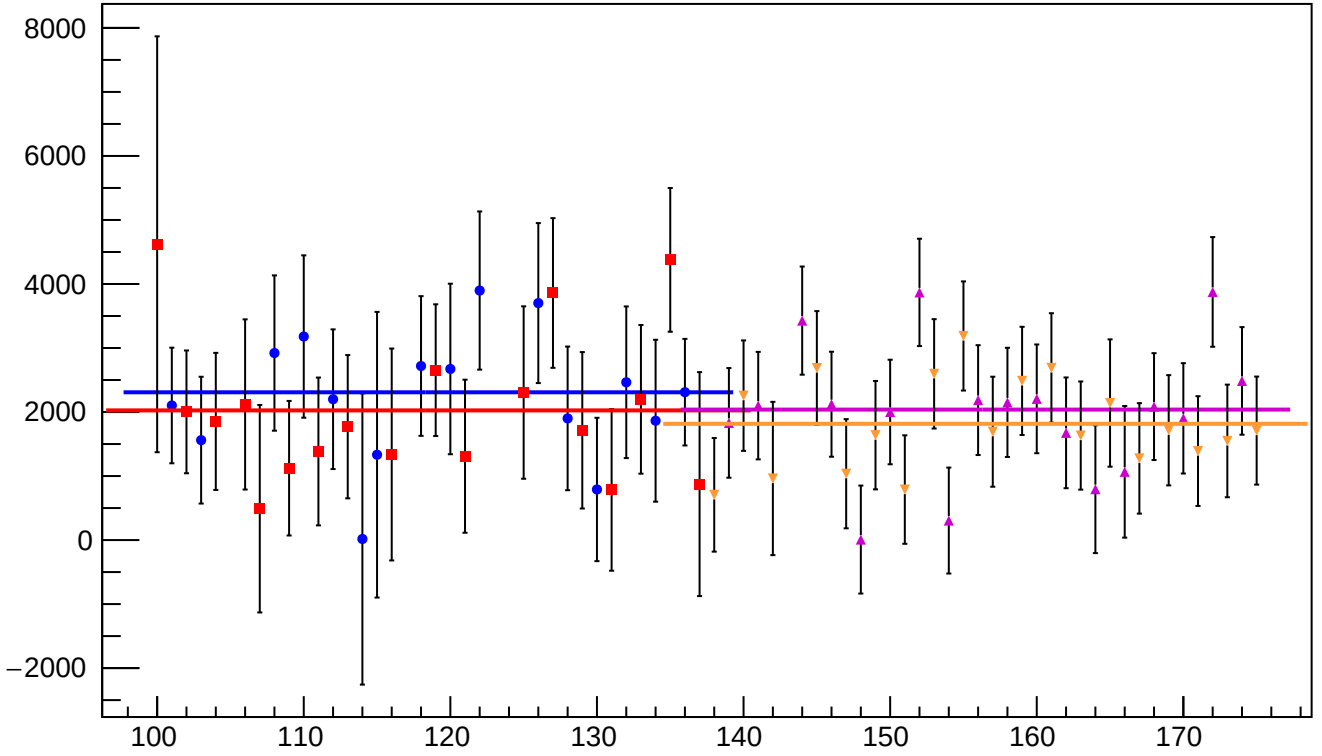
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1926.153+/-142.572 χ^2/NDF: 37.6/36

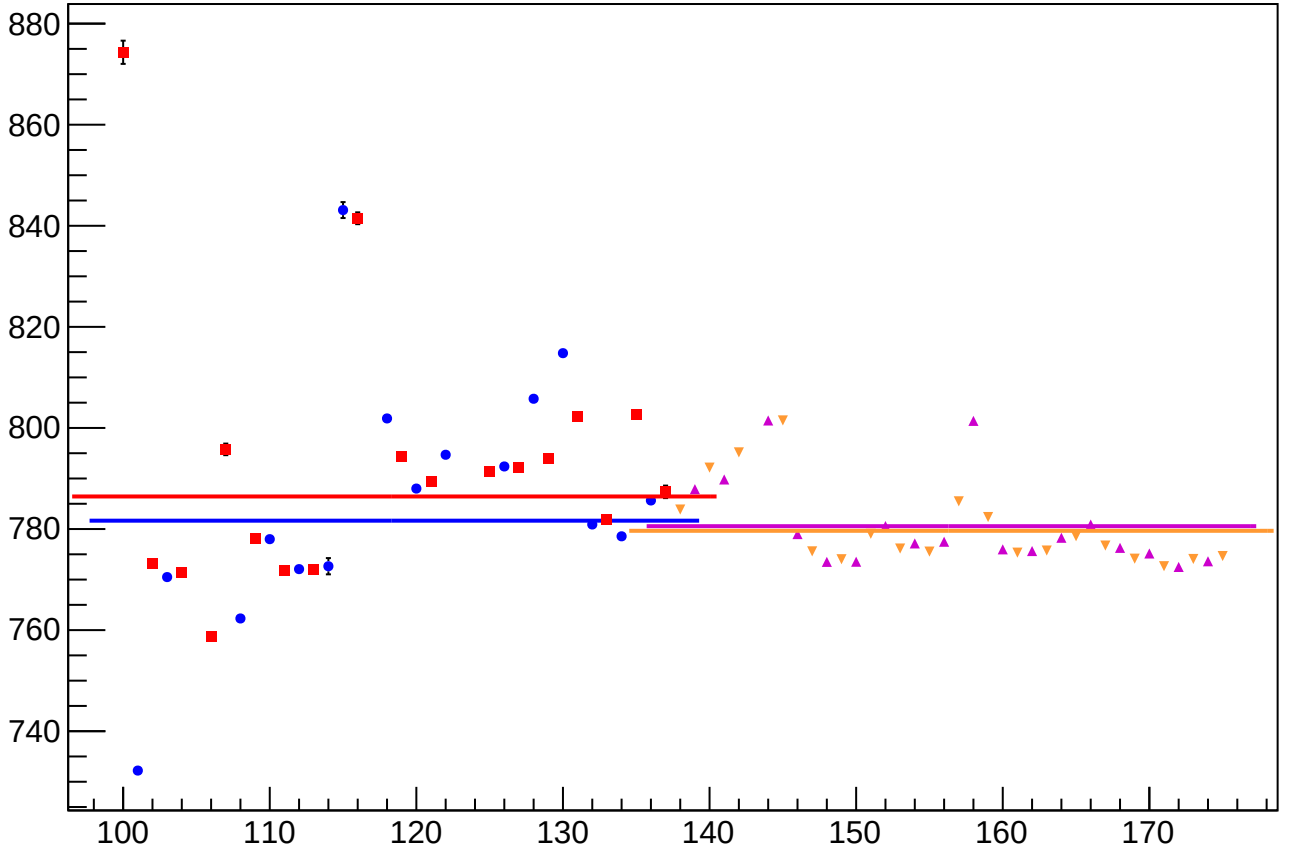
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2126.255+/-166.027 χ^2/NDF:33.7/33

Out: 1884.004+/-165.113 χ^2/NDF:24.0/36

All: 2004.461+/-117.074 χ^2/NDF: 58.8/70

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

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

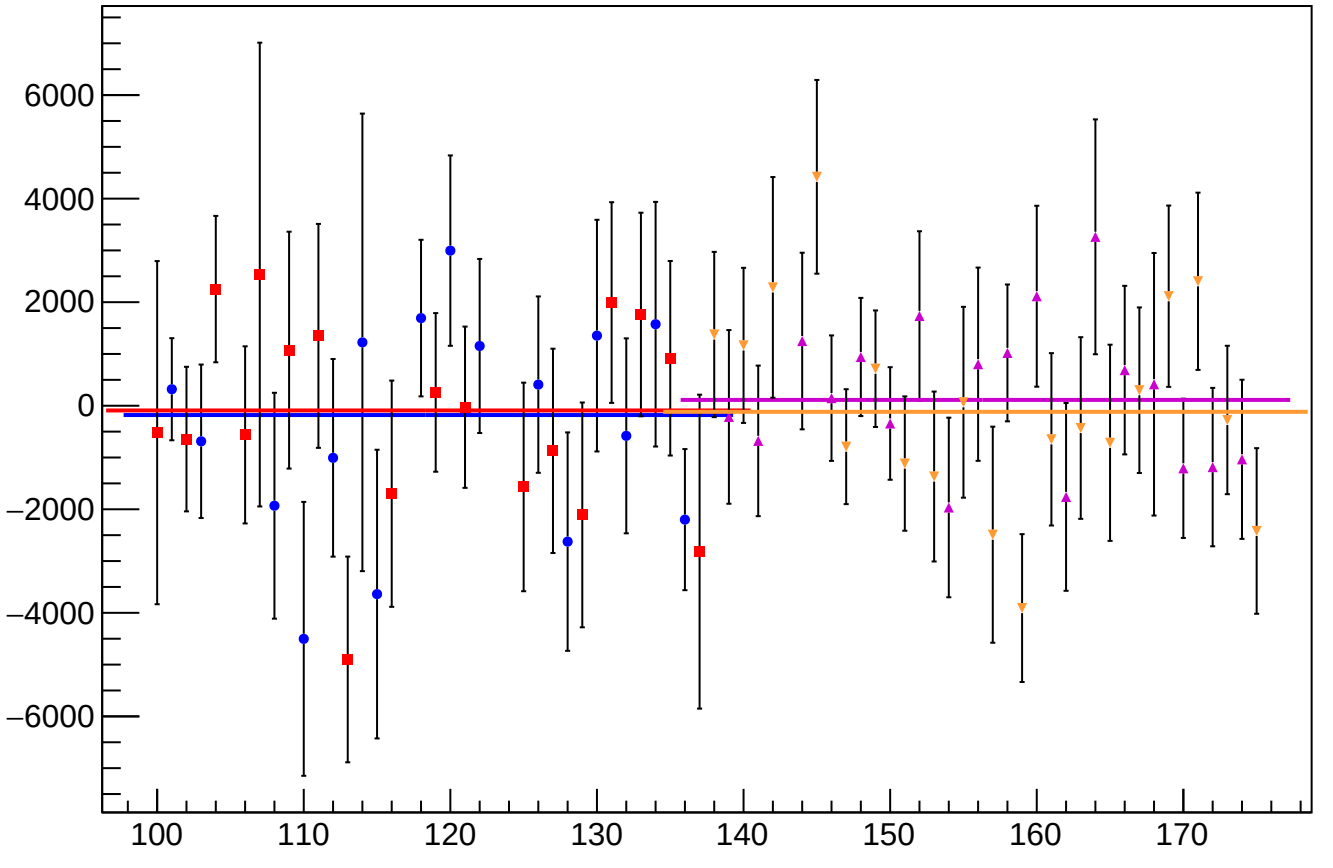
Left: 780.104+/-0.101 χ^2/NDF: 6583.2/36

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.921+/-0.117 χ^2/NDF:16080.1/33

Out: 781.855+/-0.117 χ^2/NDF:10764.3/36

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



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

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

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

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

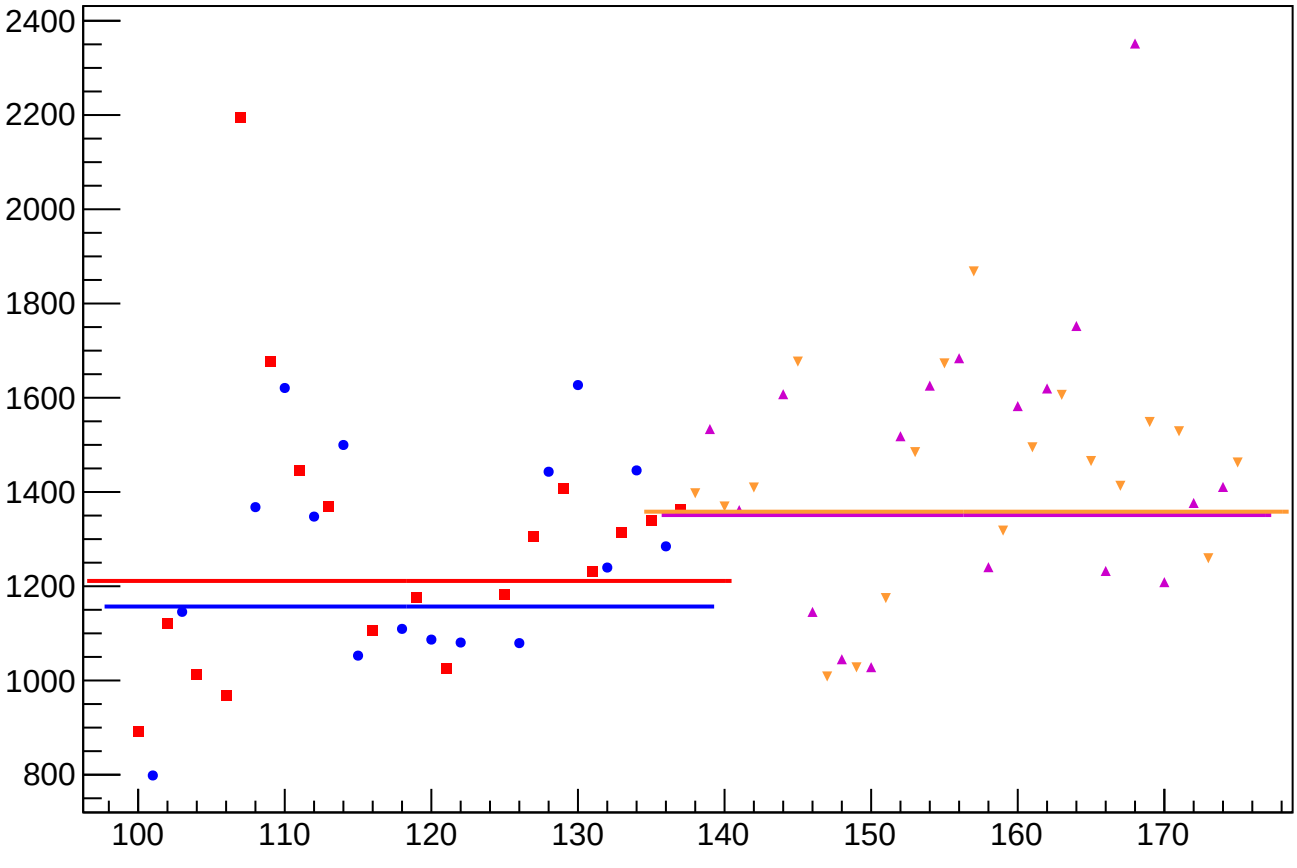
Left: -2.732+/-253.016 χ^2/NDF: 36.8/36

Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -3.891+/-277.971 χ^2/NDF:26.9/33

Out: -107.403+/-281.044 χ^2/NDF:40.6/36

All: -55.078+/-197.633 χ^2/NDF: 67.5/70



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

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

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

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

Left: 1354.662+/-0.179 χ^2/NDF: 1871486.0/36

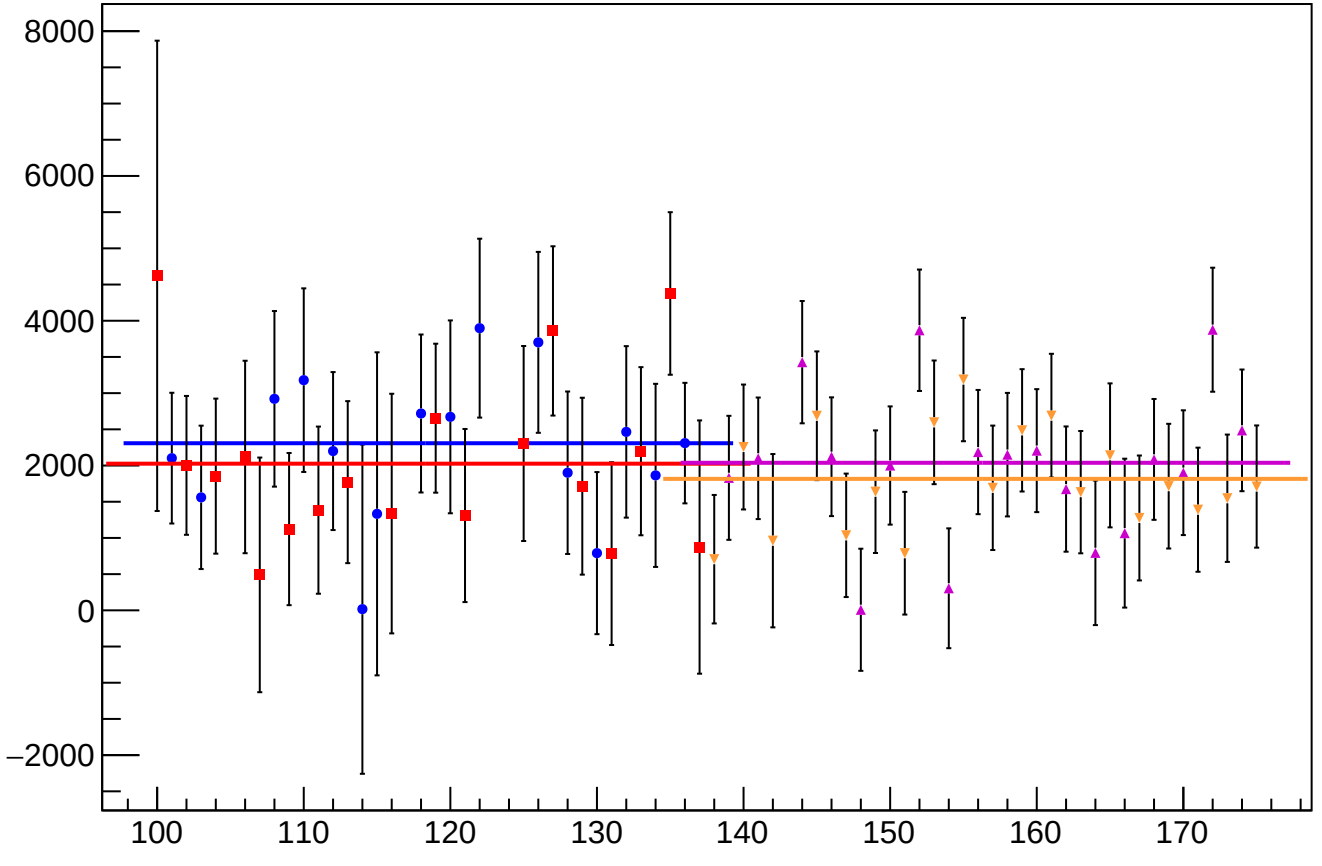
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1273.866+/-0.197 χ^2/NDF:1887649.8/33

Out: 1302.117+/-0.199 χ^2/NDF:1313023.9/36

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

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1926.153+/-142.572 χ^2/NDF: 37.6/36

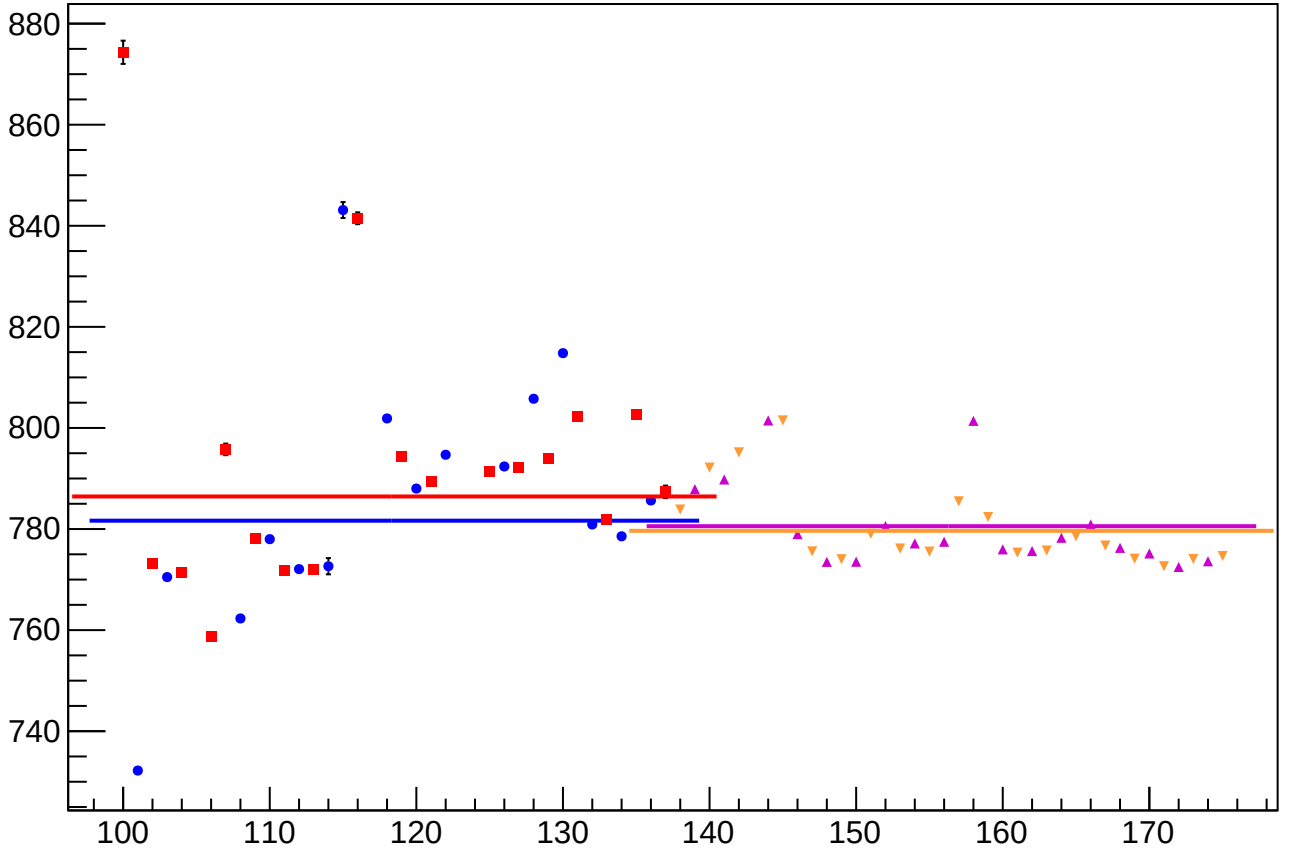
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2126.255+/-166.027 χ^2/NDF:33.7/33

Out: 1884.004+/-165.113 χ^2/NDF:24.0/36

All: 2004.461+/-117.074 χ^2/NDF: 58.8/70

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

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

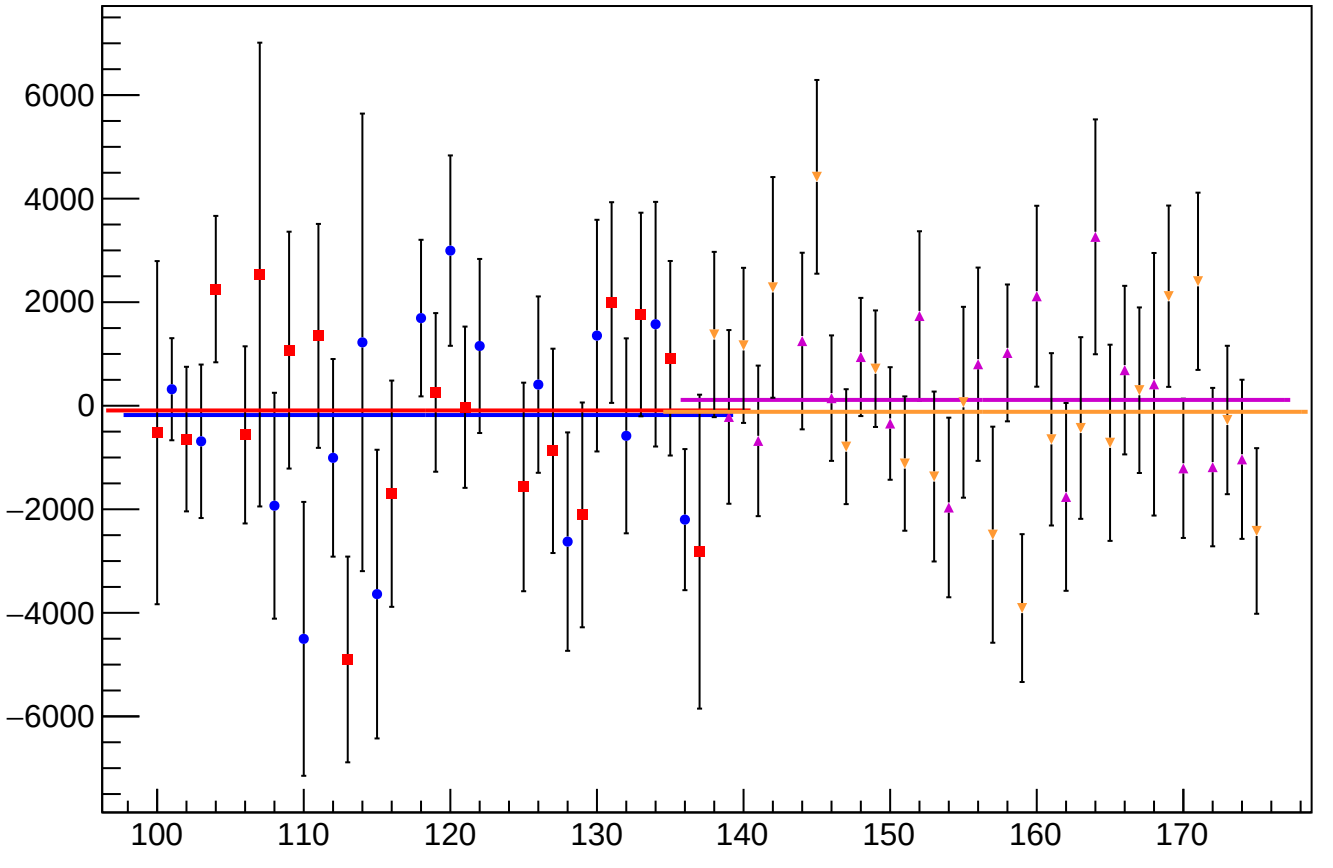
Left: 780.104+/-0.101 χ^2/NDF: 6583.2/36

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.921+/-0.117 χ^2/NDF:16080.1/33

Out: 781.855+/-0.117 χ^2/NDF:10764.3/36

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



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

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

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

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

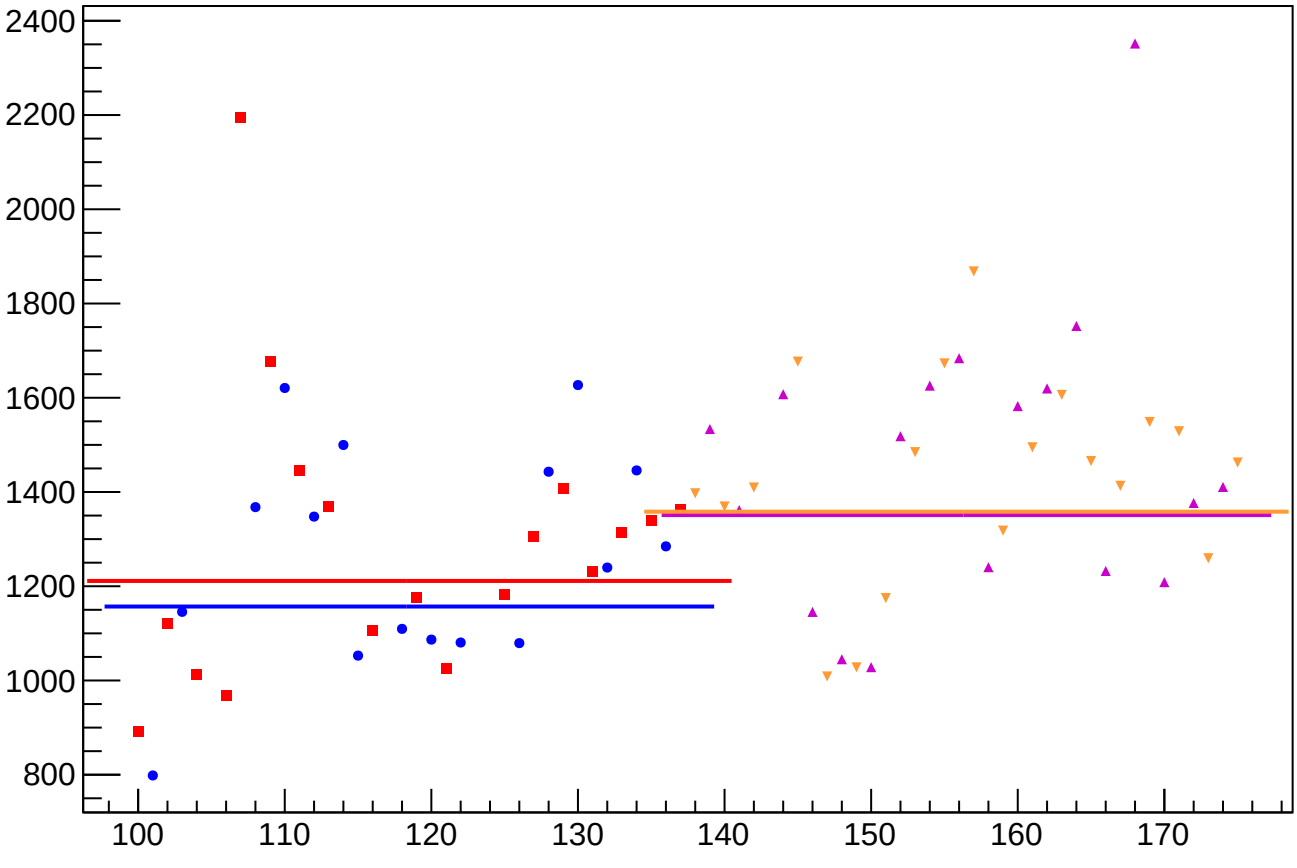
Left: -2.732+/-253.016 χ^2/NDF: 36.8/36

Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -3.891+/-277.971 χ^2/NDF:26.9/33

Out: -107.403+/-281.044 χ^2/NDF:40.6/36

All: -55.078+/-197.633 χ^2/NDF: 67.5/70



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

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

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

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

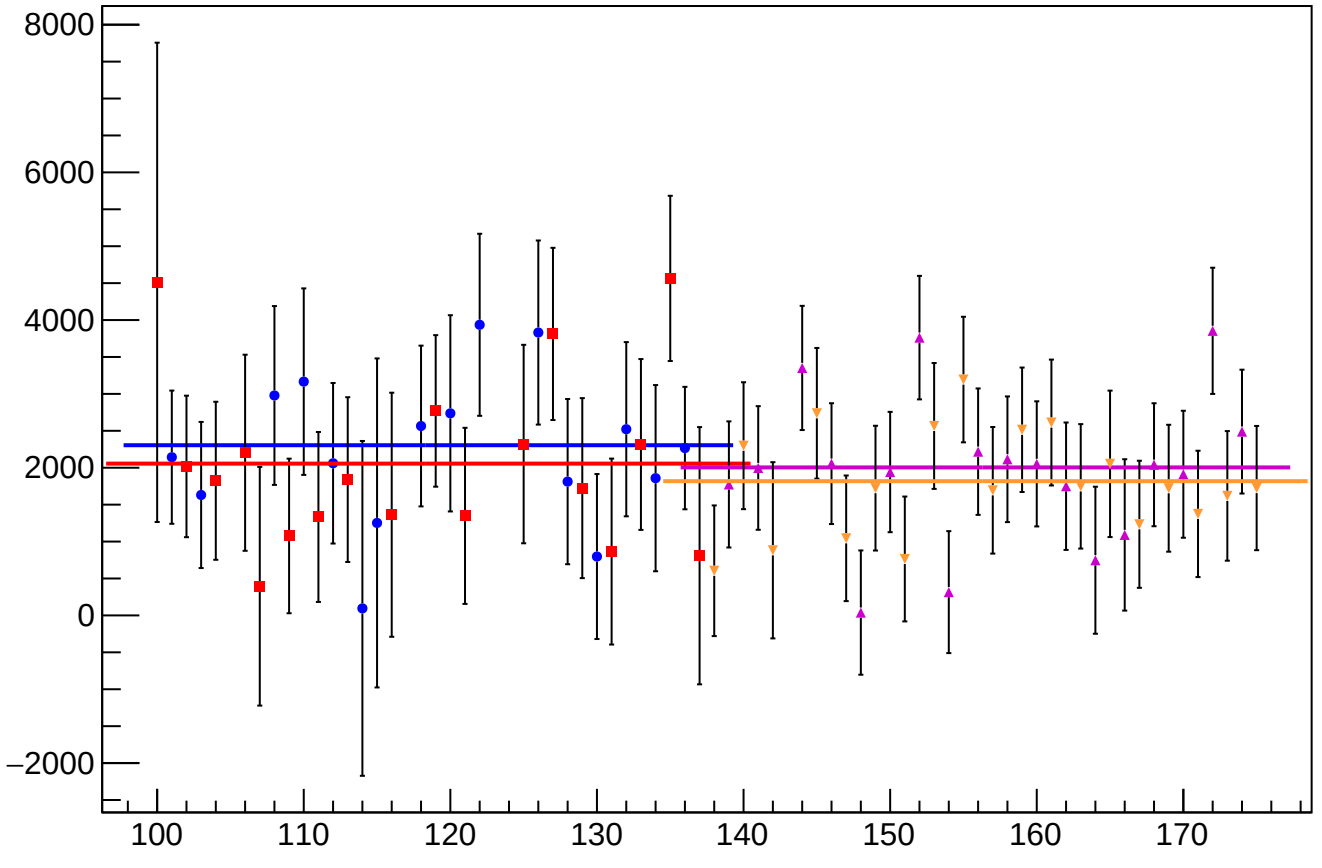
Left: 1354.662+/-0.179 χ^2/NDF: 1871486.0/36

Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1273.866+/-0.197 χ^2/NDF:1887649.8/33

Out: 1302.117+/-0.199 χ^2/NDF:1313023.9/36

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



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

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

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

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

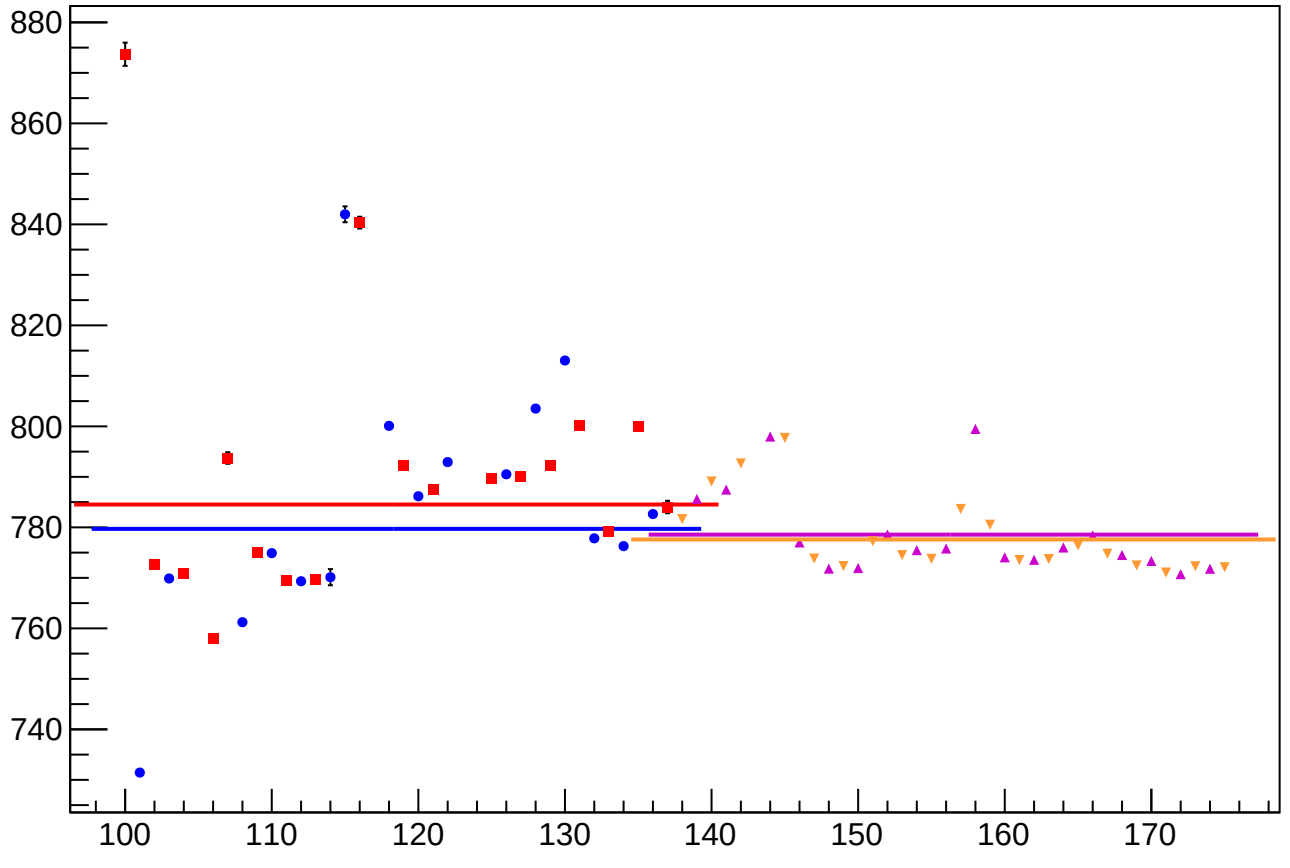
Left: 1910.528+/-142.201 χ^2/NDF: 36.8/36

Right: 2179.995+/-204.634 χ^2/NDF: 21.3/33

In: 2102.495+/-165.603 χ^2/NDF:33.1/33

Out: 1895.209+/-164.688 χ^2/NDF:25.4/36

All: 1998.278+/-116.774 χ^2/NDF: 59.3/70



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

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

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

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

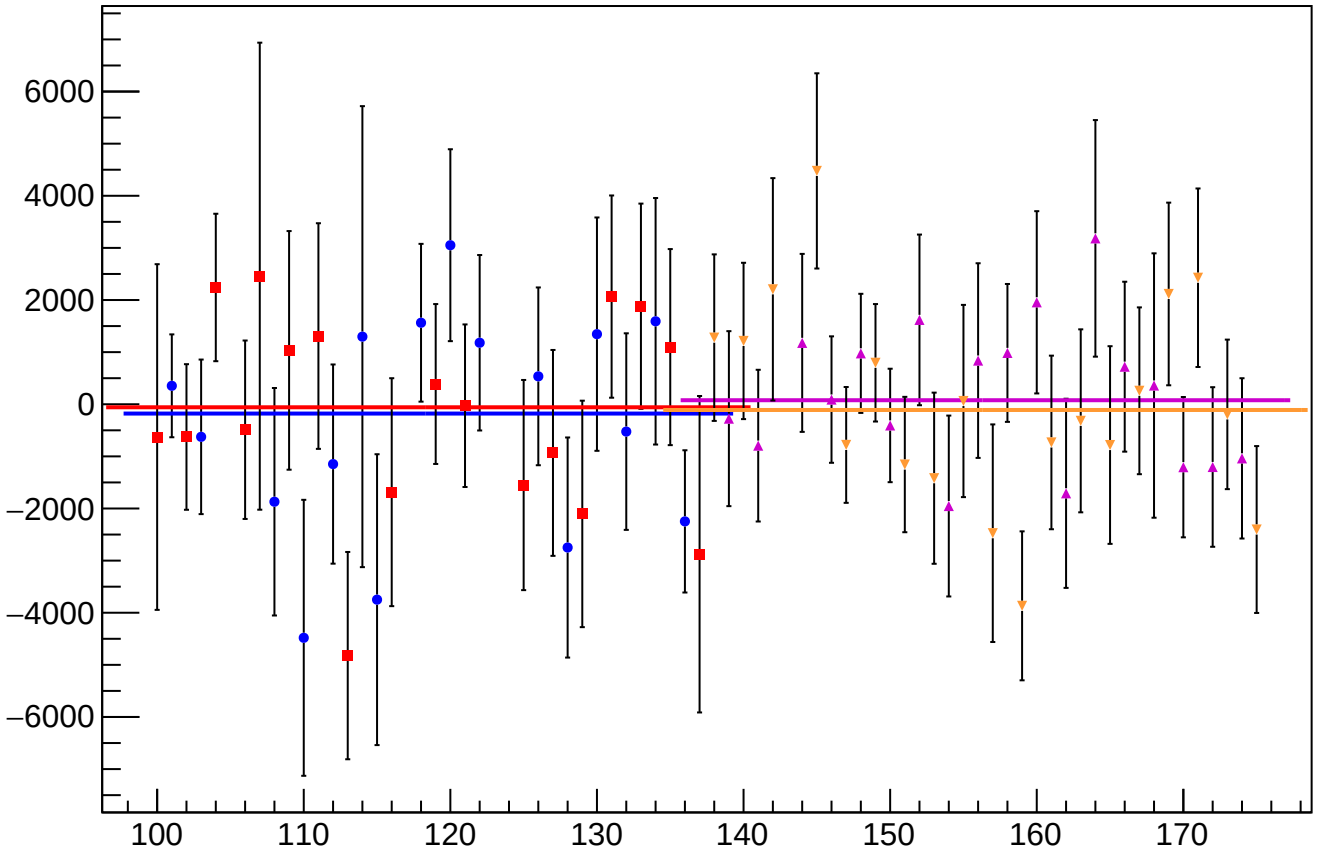
Left: 778.079+/-0.101 χ^2/NDF: 6049.2/36

Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 778.934+/-0.117 χ^2/NDF:15590.5/33

Out: 779.849+/-0.116 χ^2/NDF:10451.6/36

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



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

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

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

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

Left: -16.371+/-253.247 χ^2/NDF: 36.4/36

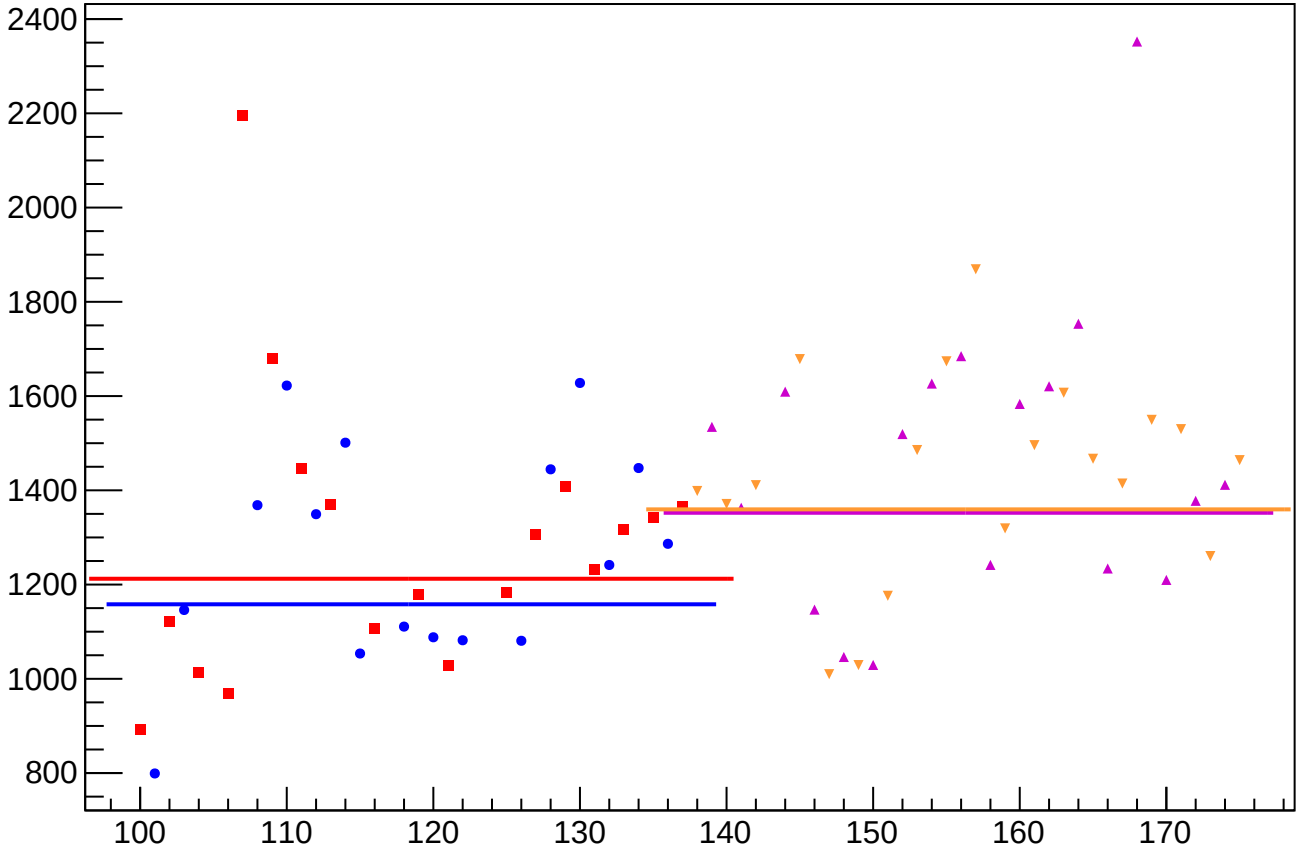
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -24.292+/-278.235 χ^2/NDF:26.7/33

Out: -90.070+/-281.300 χ^2/NDF:40.7/36

All: -56.821+/-197.817 χ^2/NDF: 67.4/70

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1359.565+/-0.253 χ^2/NDF:784069.6/18

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

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

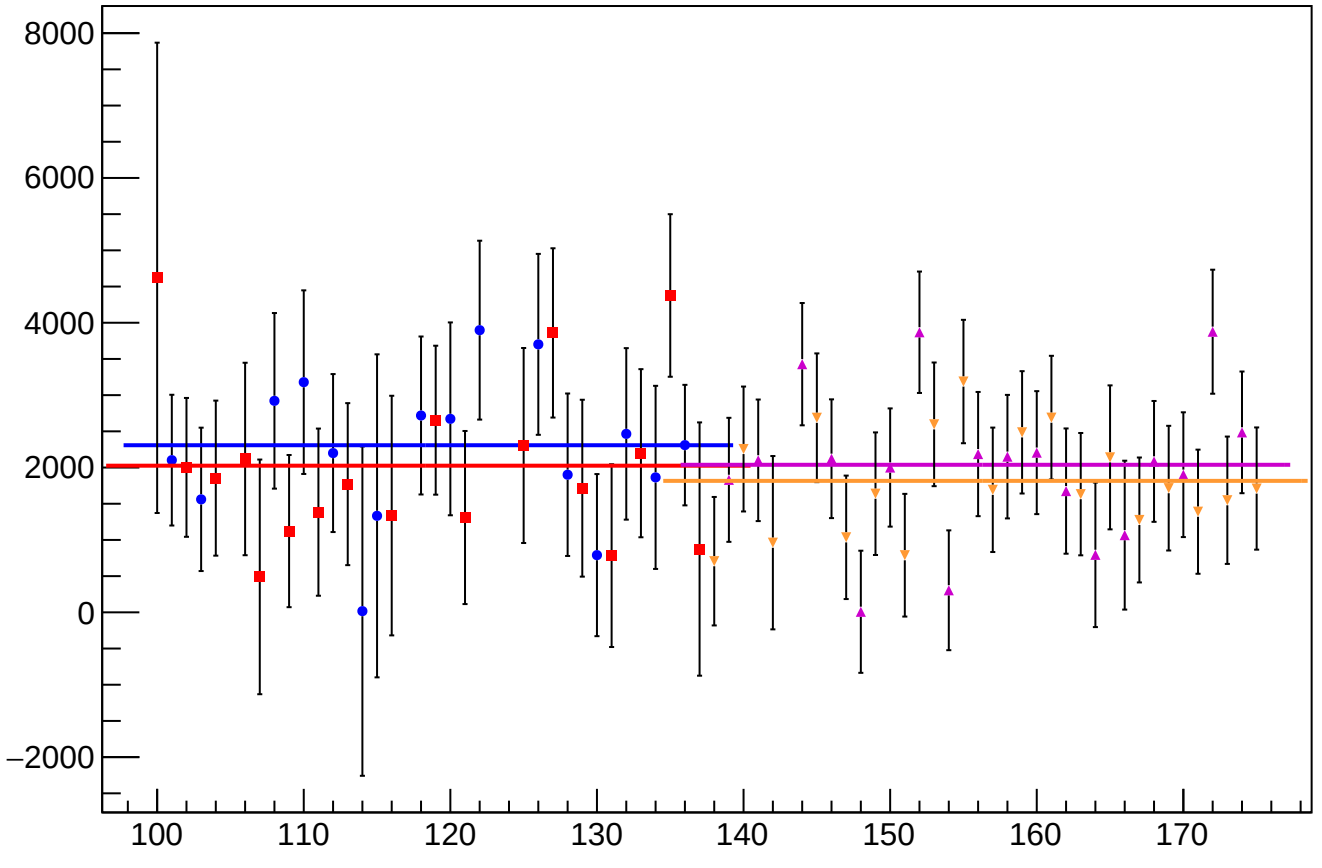
Left: 1355.971+/-0.179 χ^2/NDF: 1866901.8/36

Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1275.125+/-0.197 χ^2/NDF:1885022.5/33

Out: 1303.348+/-0.199 χ^2/NDF:1311309.4/36

All: 1289.082+/-0.140 χ^2/NDF: 3206508.4/70



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

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

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

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

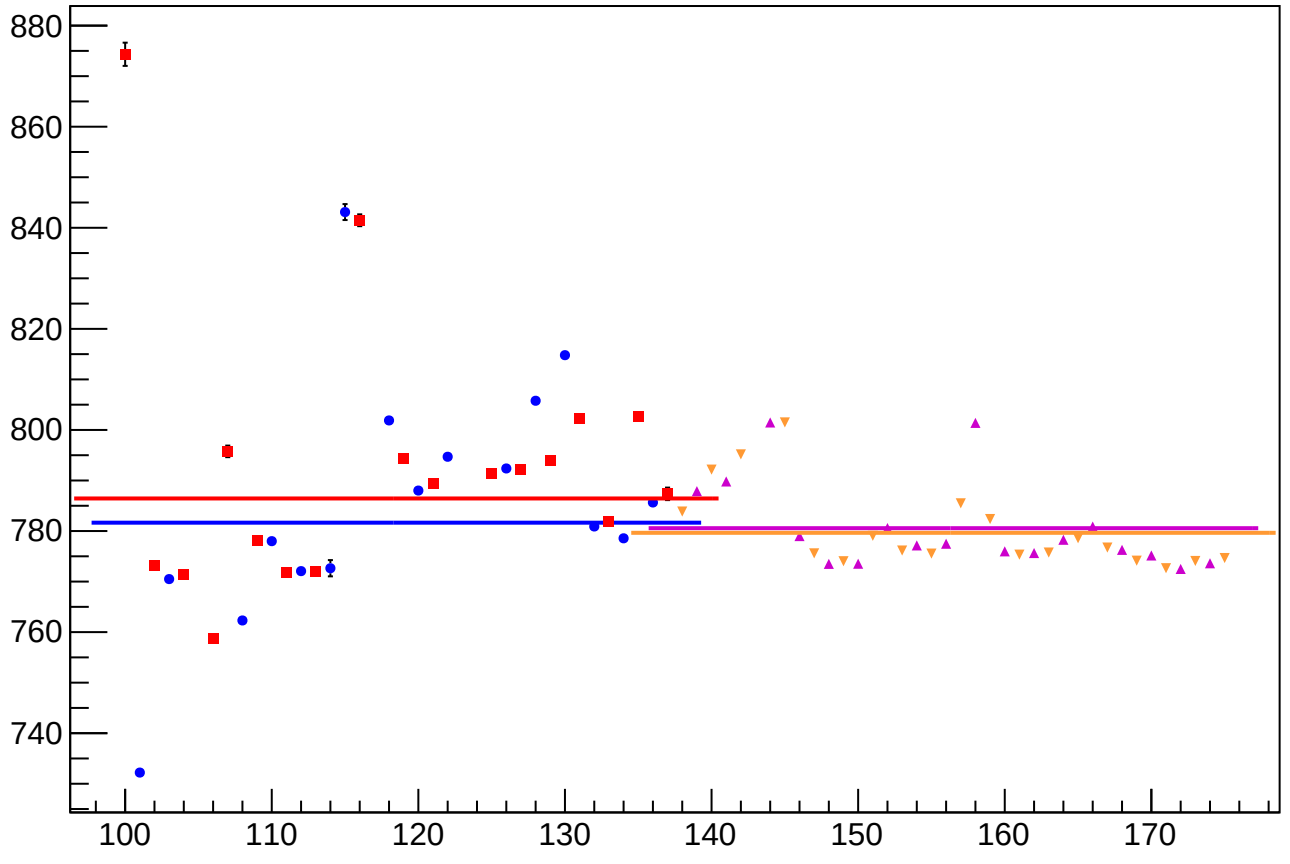
Left: 1926.153+/-142.572 χ^2/NDF: 37.6/36

Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2126.255+/-166.027 χ^2/NDF:33.7/33

Out: 1884.004+/-165.113 χ^2/NDF:24.0/36

All: 2004.461+/-117.074 χ^2/NDF: 58.8/70



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

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

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

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

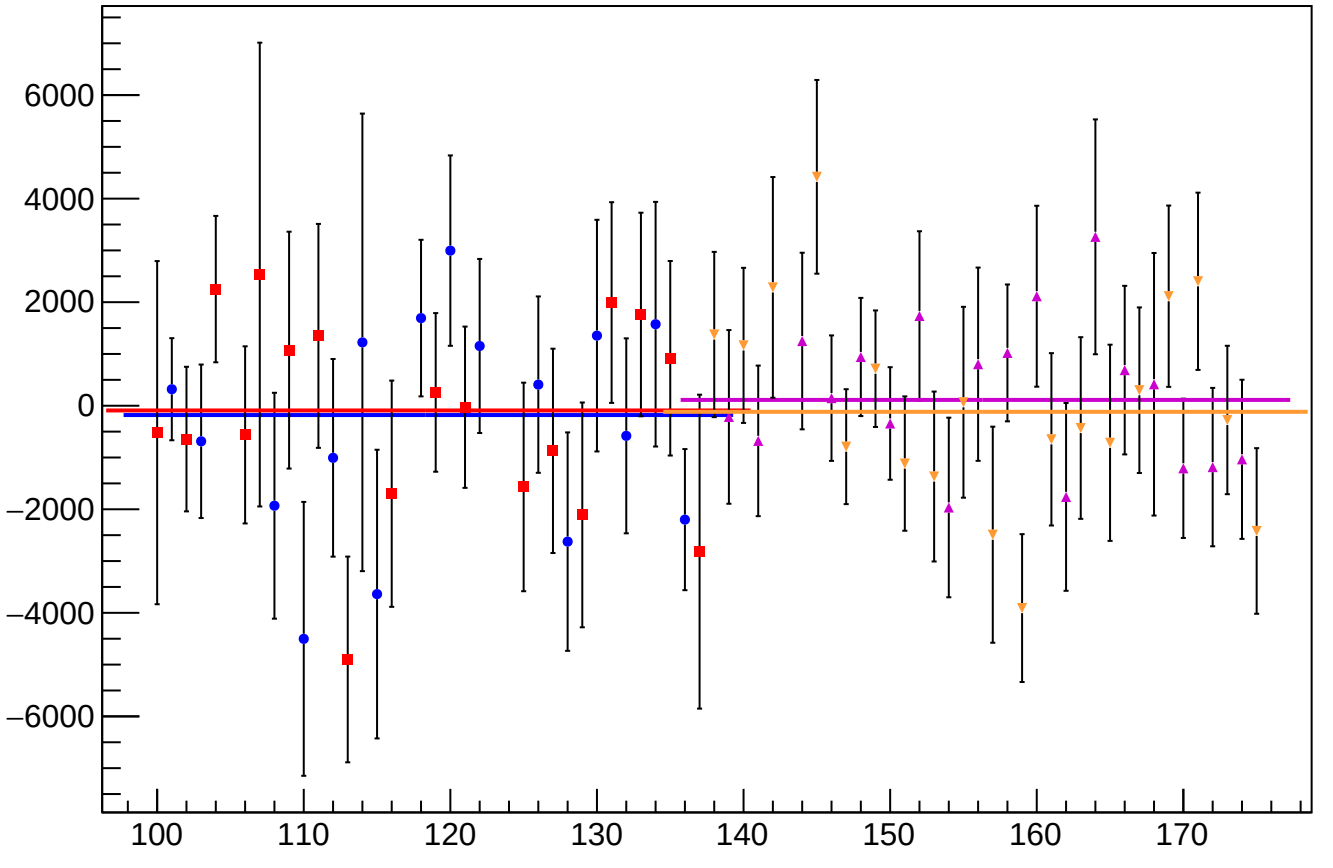
Left: 780.104+/-0.101 χ^2/NDF: 6583.2/36

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.921+/-0.117 χ^2/NDF:16080.1/33

Out: 781.855+/-0.117 χ^2/NDF:10764.3/36

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



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

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

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

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

Left: -2.732+/-253.016 χ^2/NDF: 36.8/36

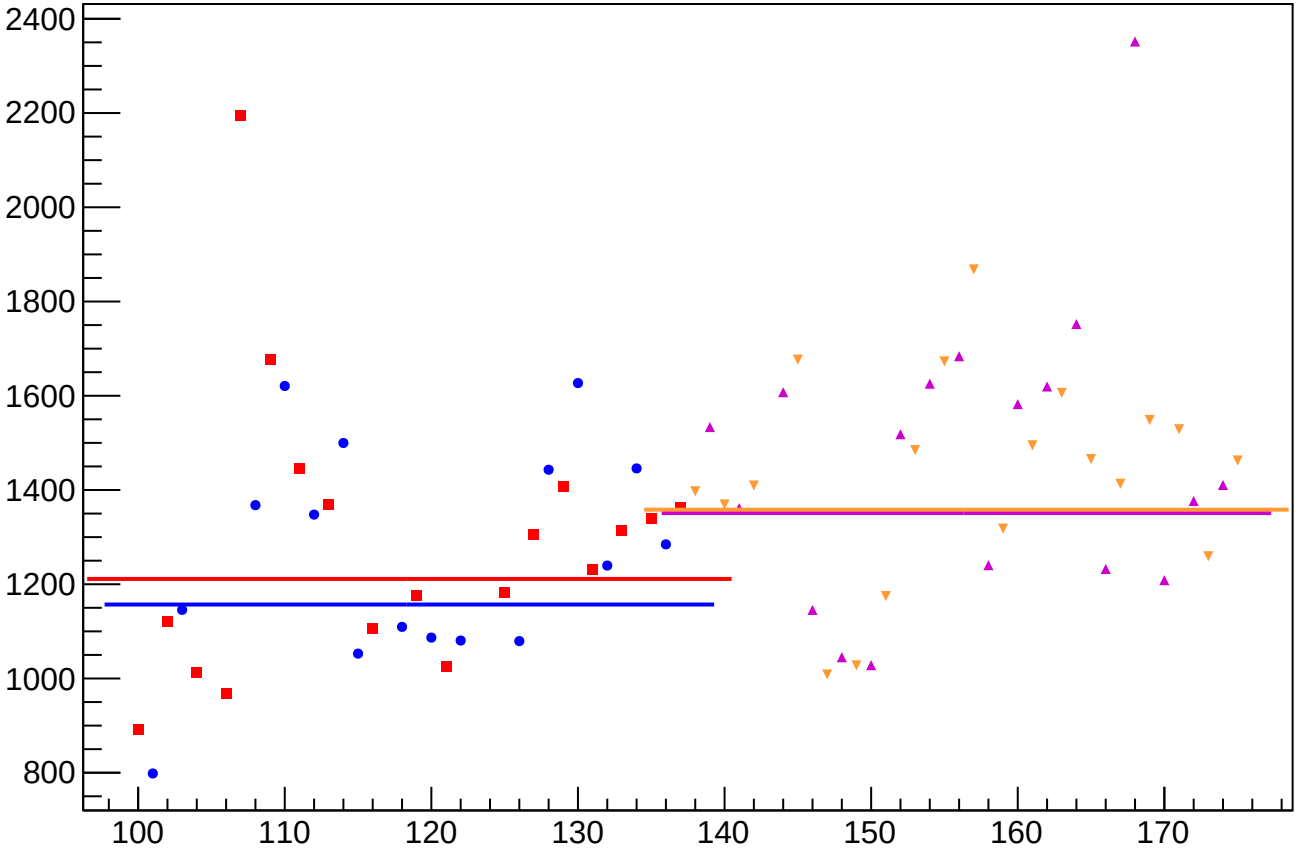
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -3.891+/-277.971 χ^2/NDF:26.9/33

Out: -107.403+/-281.044 χ^2/NDF:40.6/36

All: -55.078+/-197.633 χ^2/NDF: 67.5/70

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 1354.662+/-0.179 χ^2/NDF: 1871486.0/36

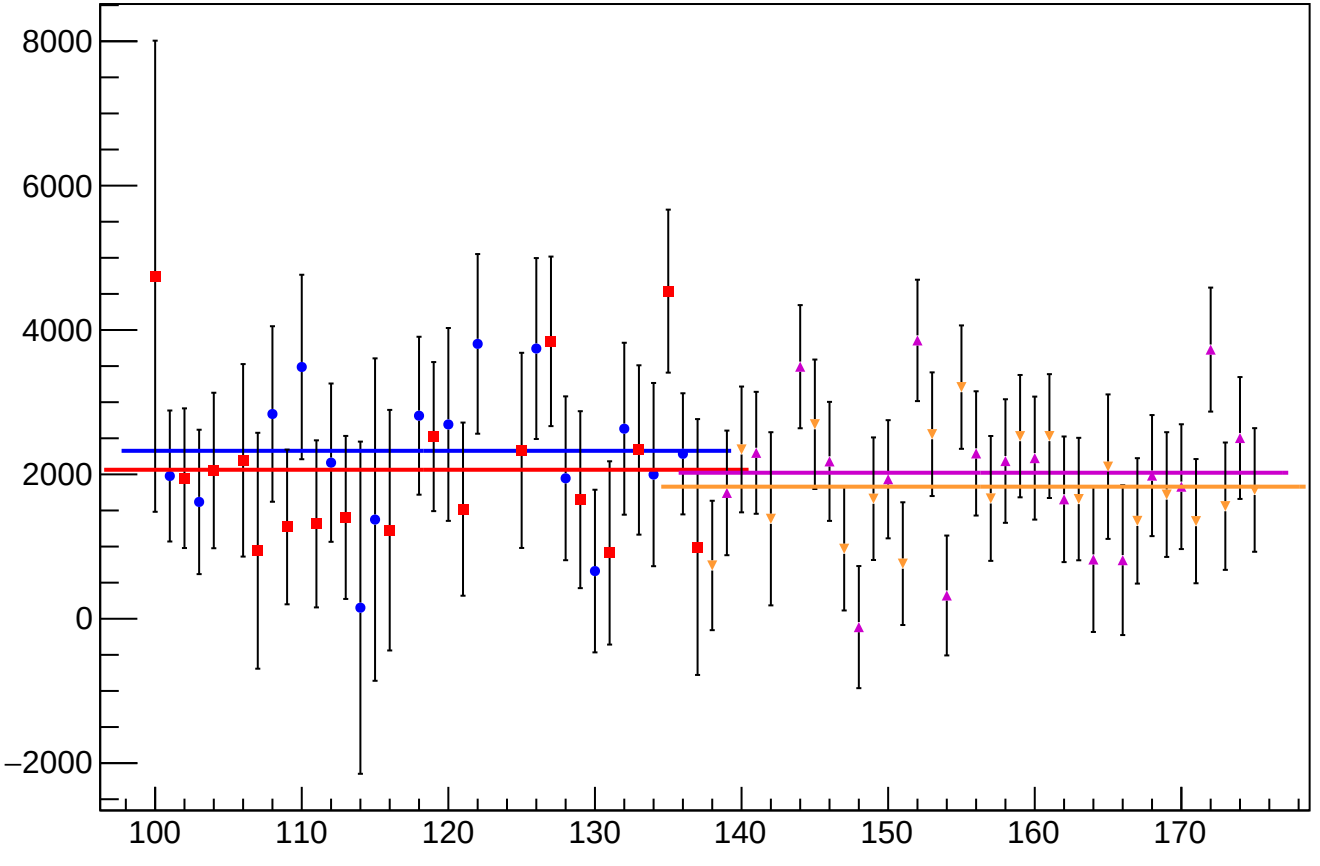
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1273.866+/-0.197 χ^2/NDF:1887649.8/33

Out: 1302.117+/-0.199 χ^2/NDF:1313023.9/36

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

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1925.531+/-143.281 χ^2/NDF: 37.6/36

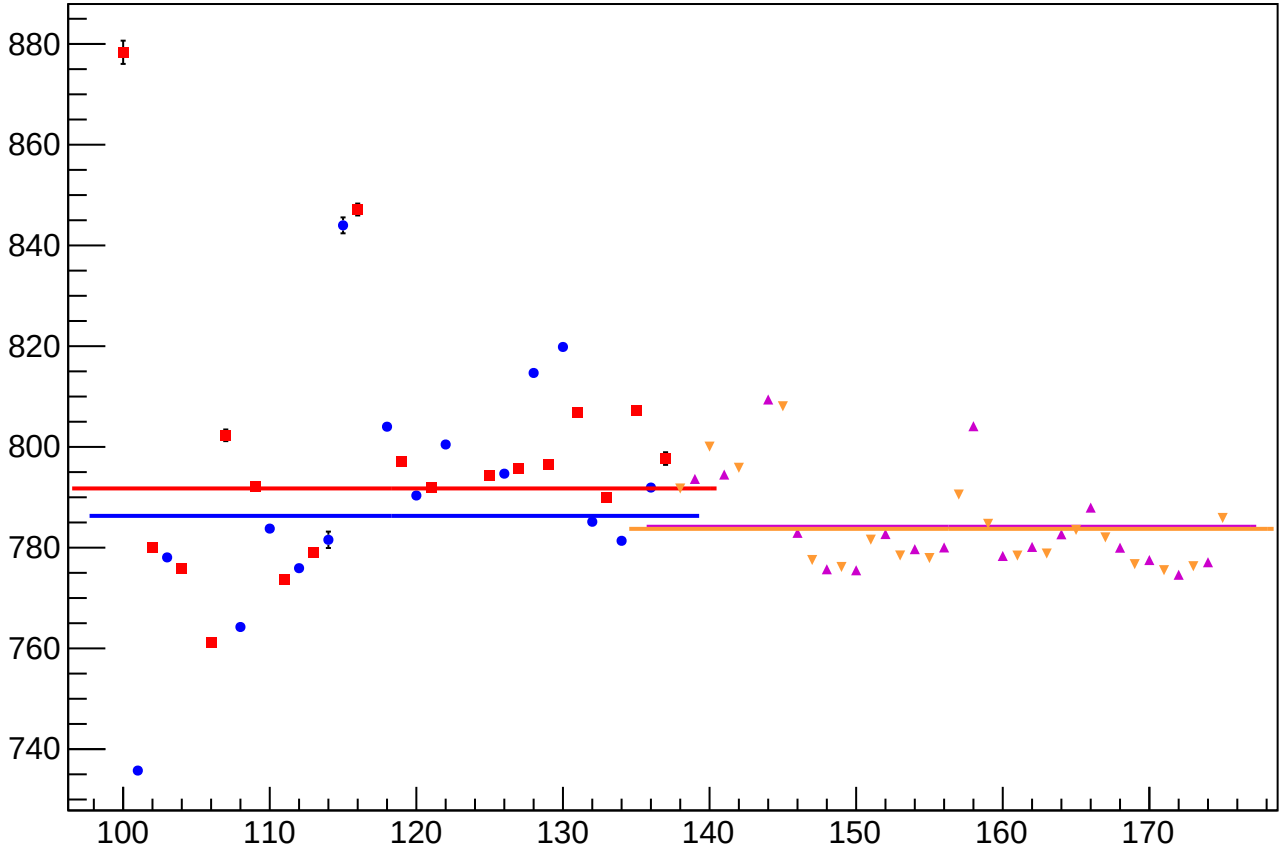
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2121.739+/-166.871 χ^2/NDF:34.9/33

Out: 1905.565+/-166.073 χ^2/NDF:23.1/36

All: 2013.134+/-117.712 χ^2/NDF: 58.9/70

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

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

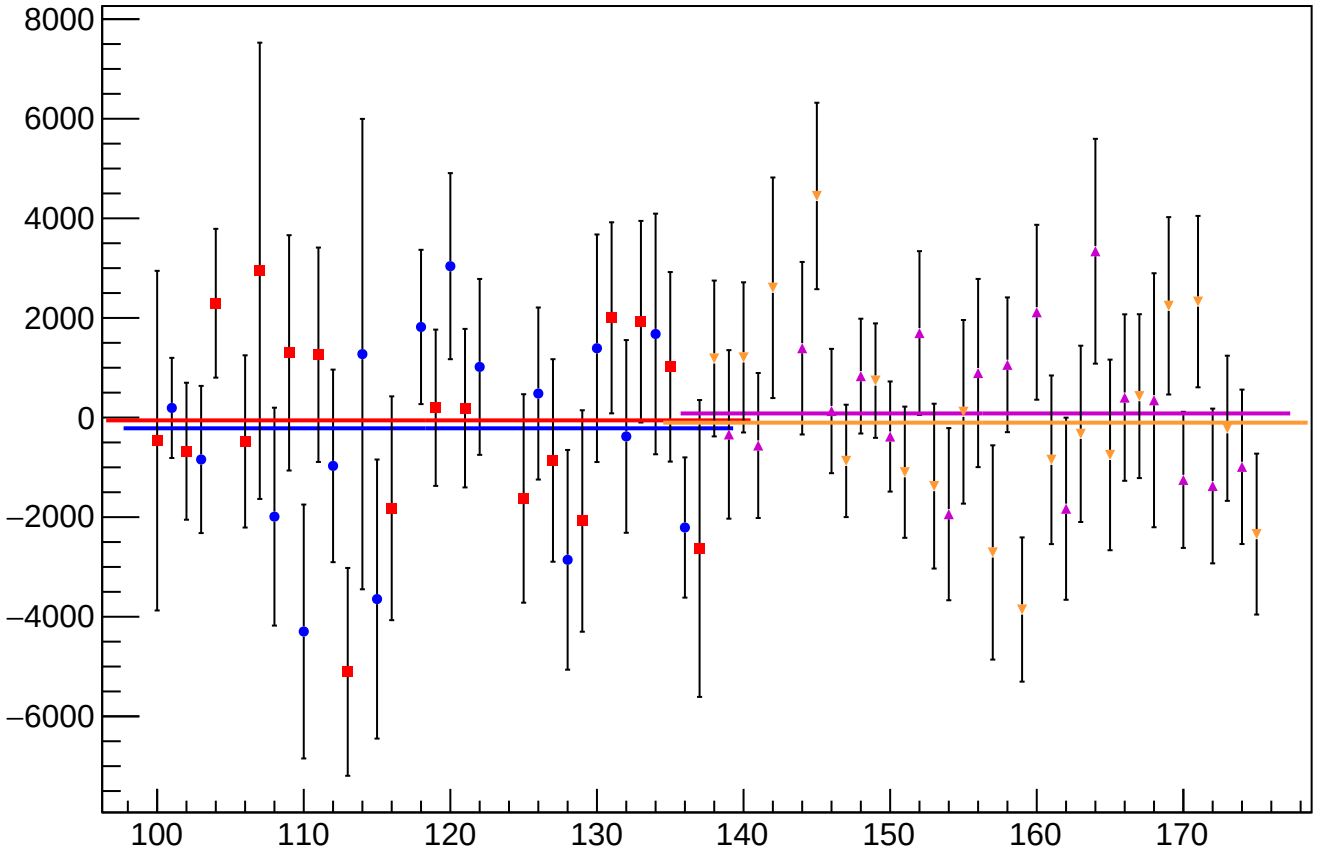
Left: 783.941+/-0.101 χ^2/NDF: 8371.7/36

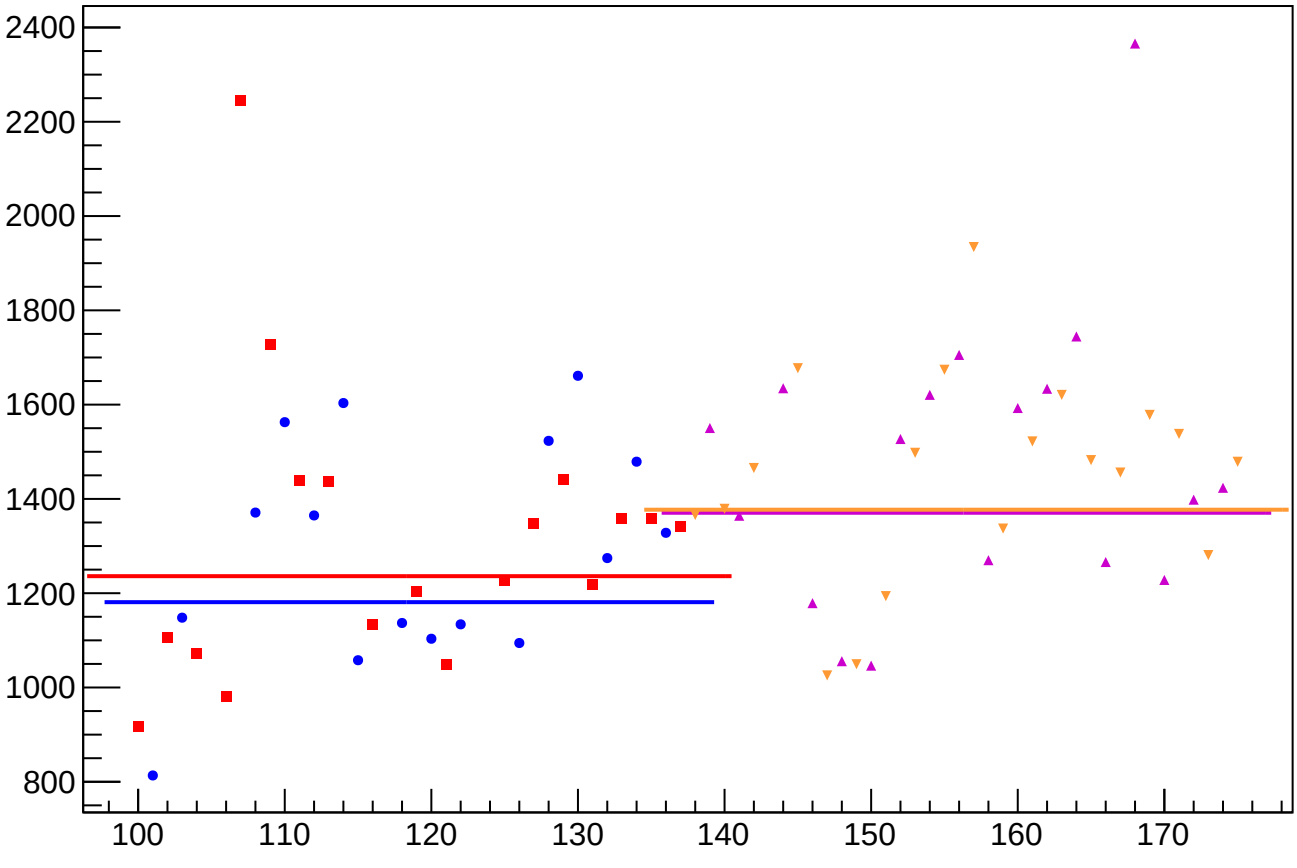
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

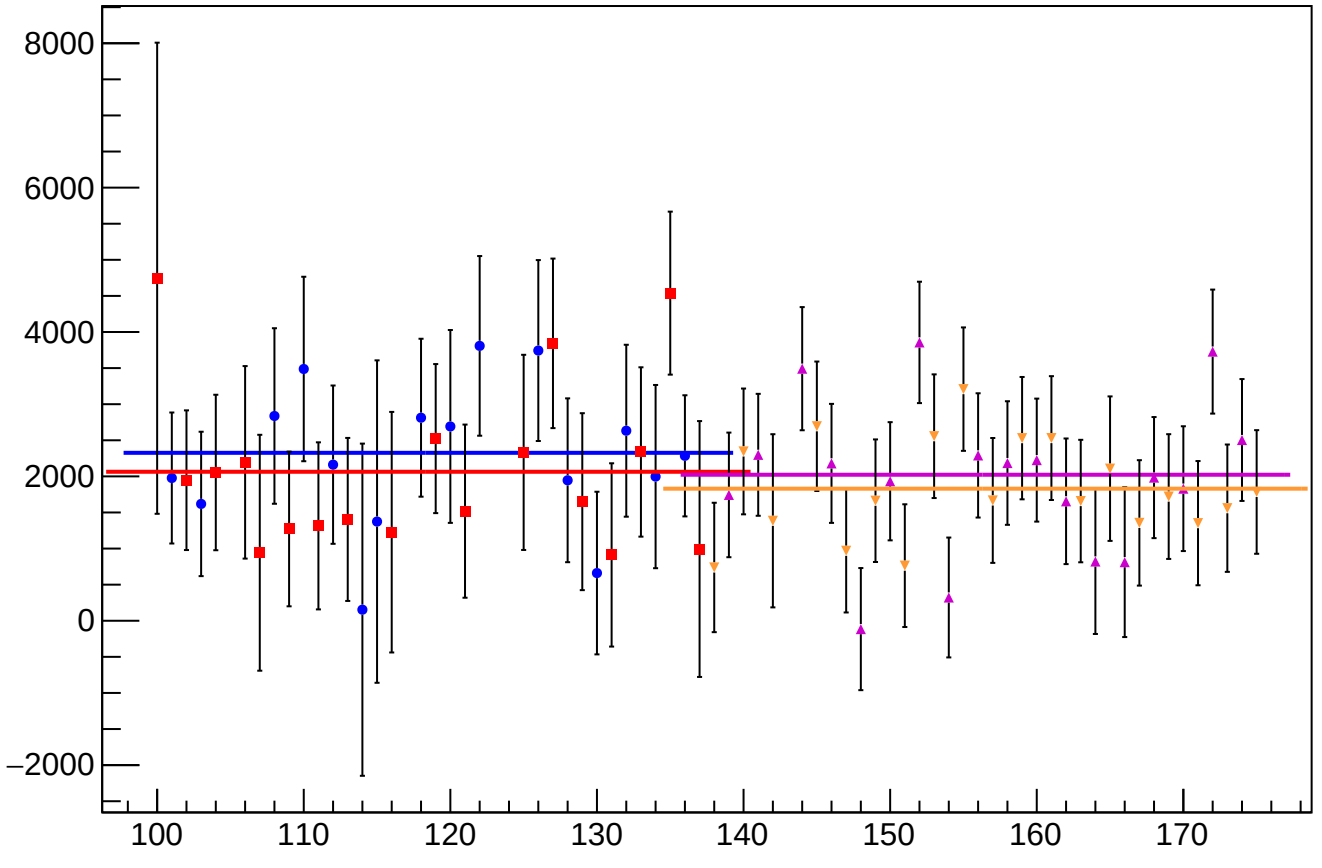
In: 784.855+/-0.118 χ^2/NDF:17282.5/33

Out: 786.333+/-0.117 χ^2/NDF:11766.7/36

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


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -102.524+/-362.115 χ²/NDF:25.3/18
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 82.325+/-362.889 χ²/NDF:11.3/17
Left: -10.297+/-256.327 χ²/NDF: 36.8/36
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -35.451+/-282.367 χ²/NDF:26.9/33
Out: -85.210+/-285.465 χ²/NDF:40.4/36
All: -60.059+/-200.750 χ²/NDF: 67.3/70


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1377.124+/-0.256 χ²/NDF:771140.3/18
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1370.659+/-0.257 χ²/NDF:1036752.9/17
Left: 1373.898+/-0.181 χ²/NDF: 1808211.3/36
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1295.829+/-0.200 χ²/NDF:1823404.3/33
Out: 1323.754+/-0.202 χ²/NDF:1283151.2/36
All: 1309.639+/-0.142 χ²/NDF: 3116229.3/70



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

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

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

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

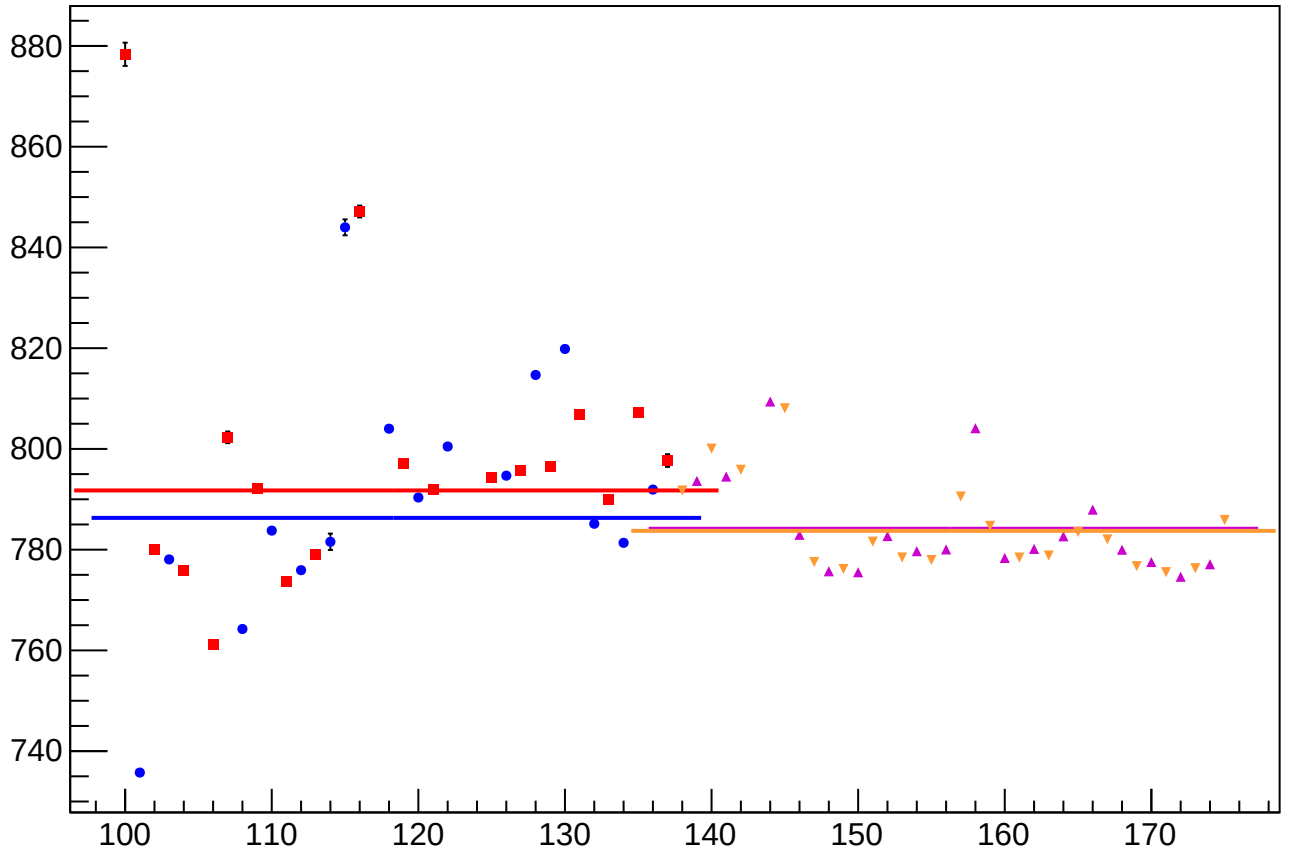
Left: 1925.530+/-143.281 χ^2/NDF: 37.6/36

Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2121.739+/-166.871 χ^2/NDF:34.9/33

Out: 1905.563+/-166.073 χ^2/NDF:23.1/36

All: 2013.133+/-117.712 χ^2/NDF: 58.9/70



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

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

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

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

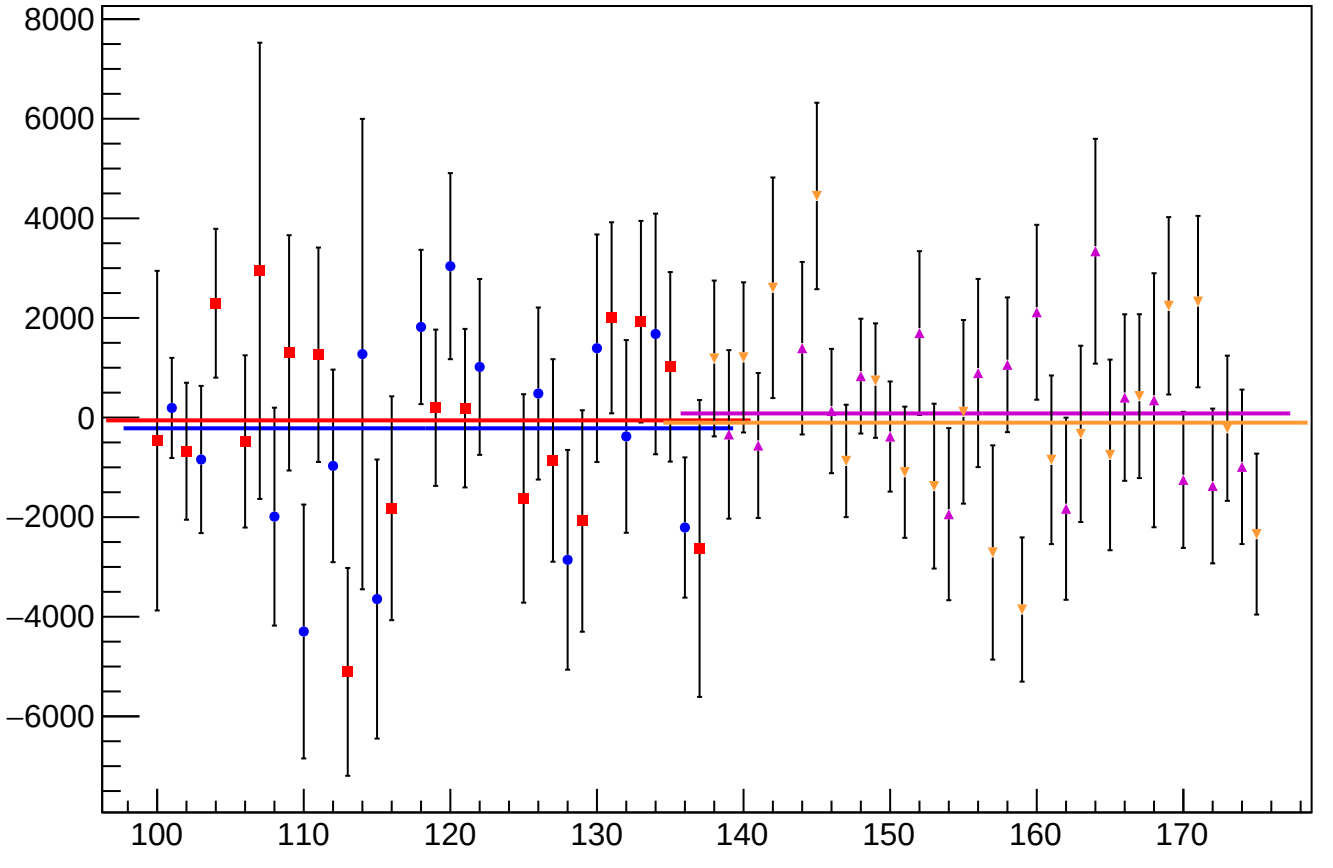
Left: 783.941+/-0.101 χ^2/NDF: 8371.7/36

Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

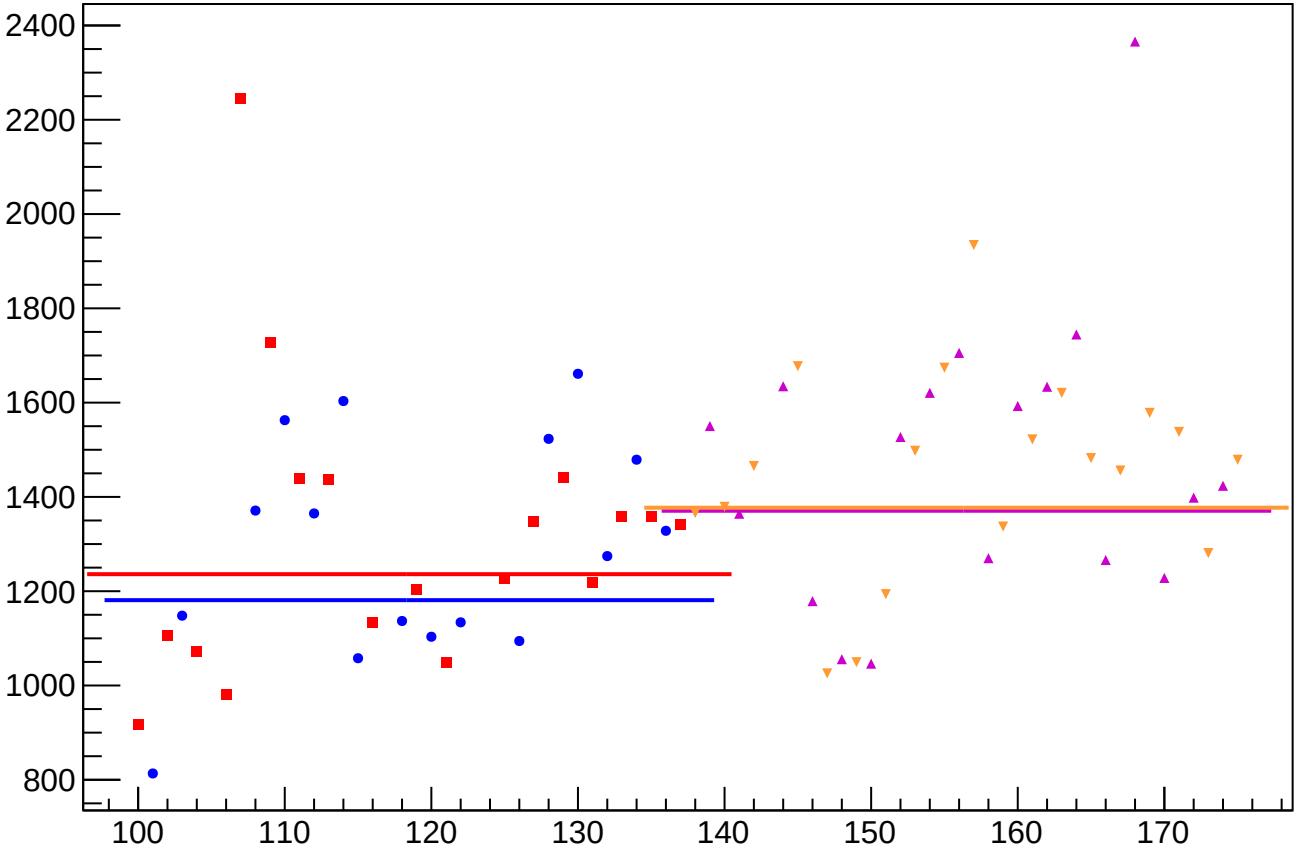
In: 784.854+/-0.118 χ^2/NDF:17282.5/33

Out: 786.333+/-0.117 χ^2/NDF:11766.7/36

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


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -216.183+/-449.536 χ²/NDF: 15.3/15
Left Out: -102.527+/-362.116 χ²/NDF:25.3/18
Right Out: -56.784+/-463.977 χ²/NDF: 15.1/17
Left In: 82.325+/-362.890 χ²/NDF:11.3/17
Left: -10.298+/-256.328 χ²/NDF: 36.8/36
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -35.451+/-282.367 χ²/NDF:26.9/33
Out: -85.211+/-285.465 χ²/NDF:40.4/36
All: -60.060+/-200.750 χ²/NDF: 67.3/70

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 1373.901+/-0.181 χ^2/NDF: 1808213.9/36

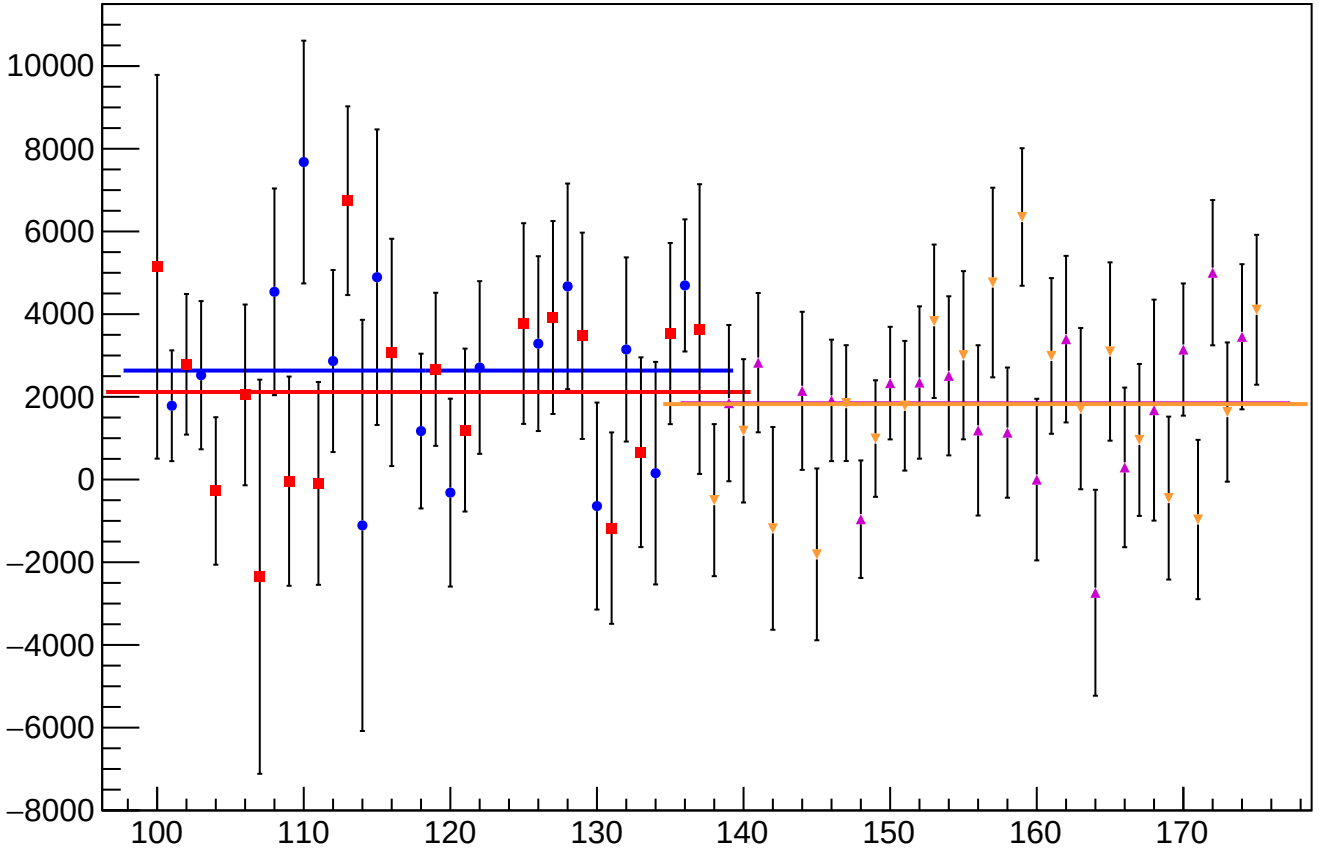
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1295.829+/-0.200 χ^2/NDF:1823416.2/33

Out: 1323.754+/-0.202 χ^2/NDF:1283161.3/36

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

asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1834.438+/-294.933 χ^2/NDF: 38.3/36

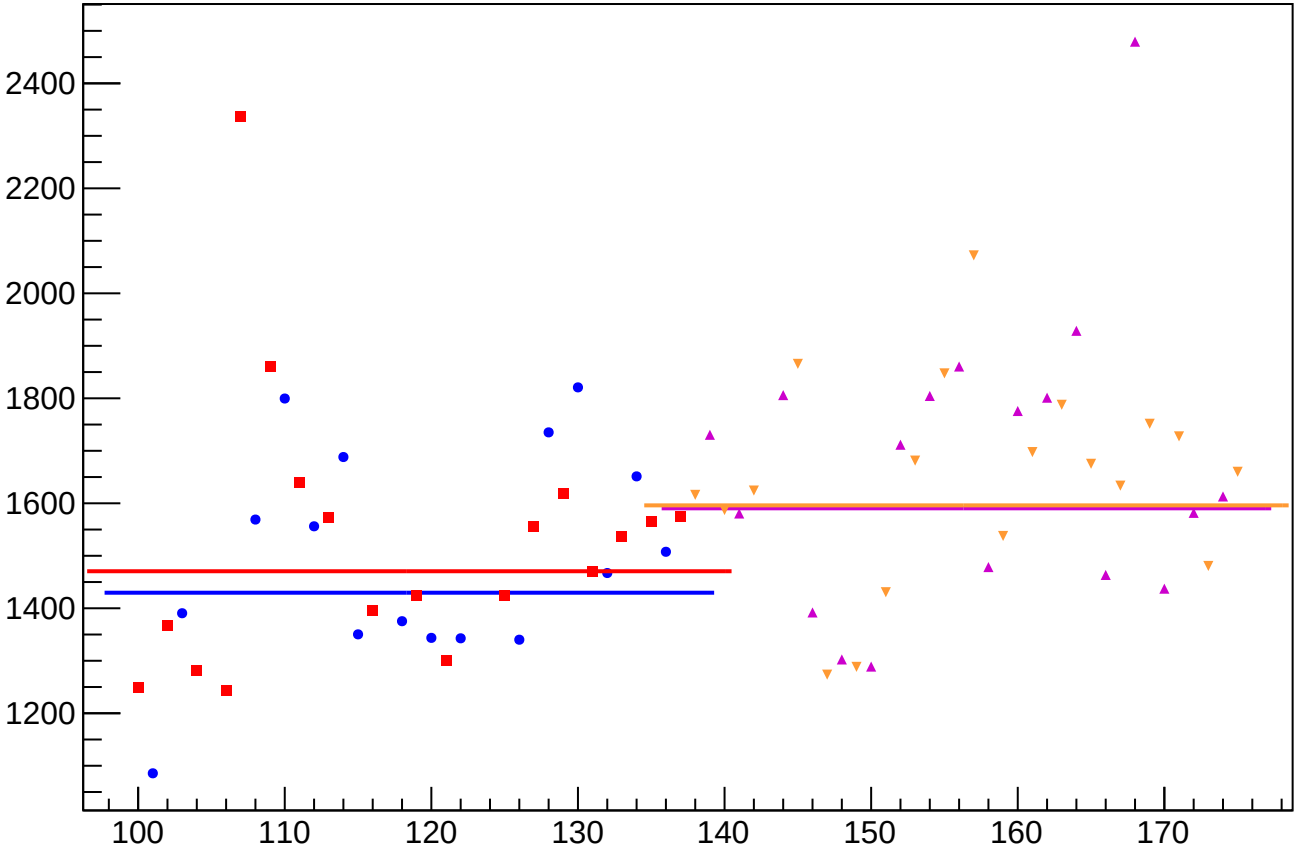
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2141.906+/-330.033 χ^2/NDF:28.8/33

Out: 1931.877+/-331.389 χ^2/NDF:37.1/36

All: 2037.322+/-233.846 χ^2/NDF: 66.0/70

asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

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

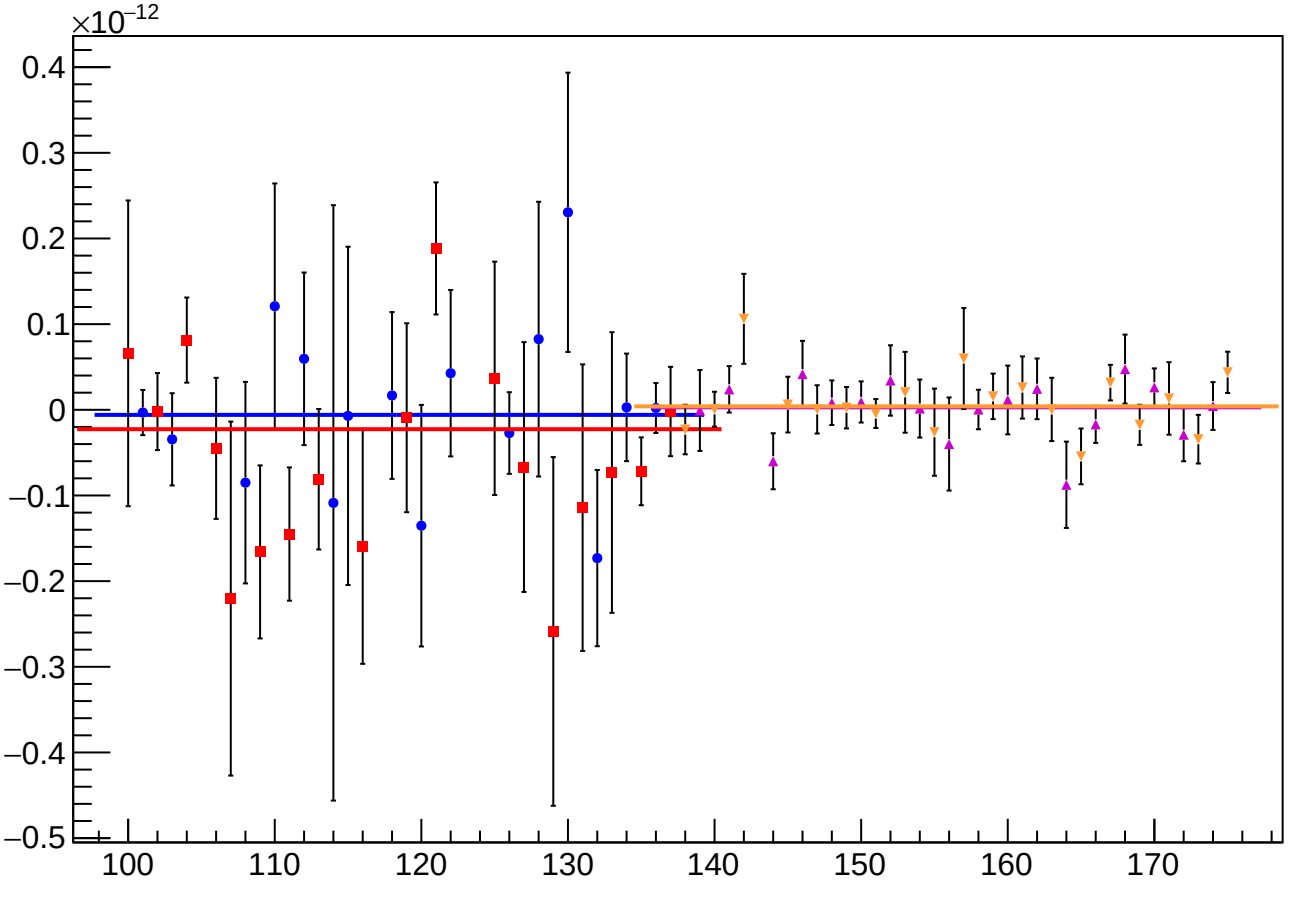
Left: 1593.250+/-0.209 χ^2/NDF: 1100308.8/36

Right: 1449.753+/-0.271 χ^2/NDF: 517137.1/33

In: 1529.931+/-0.233 χ^2/NDF:1061386.5/33

Out: 1550.078+/-0.234 χ^2/NDF:728158.0/36

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



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

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

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

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

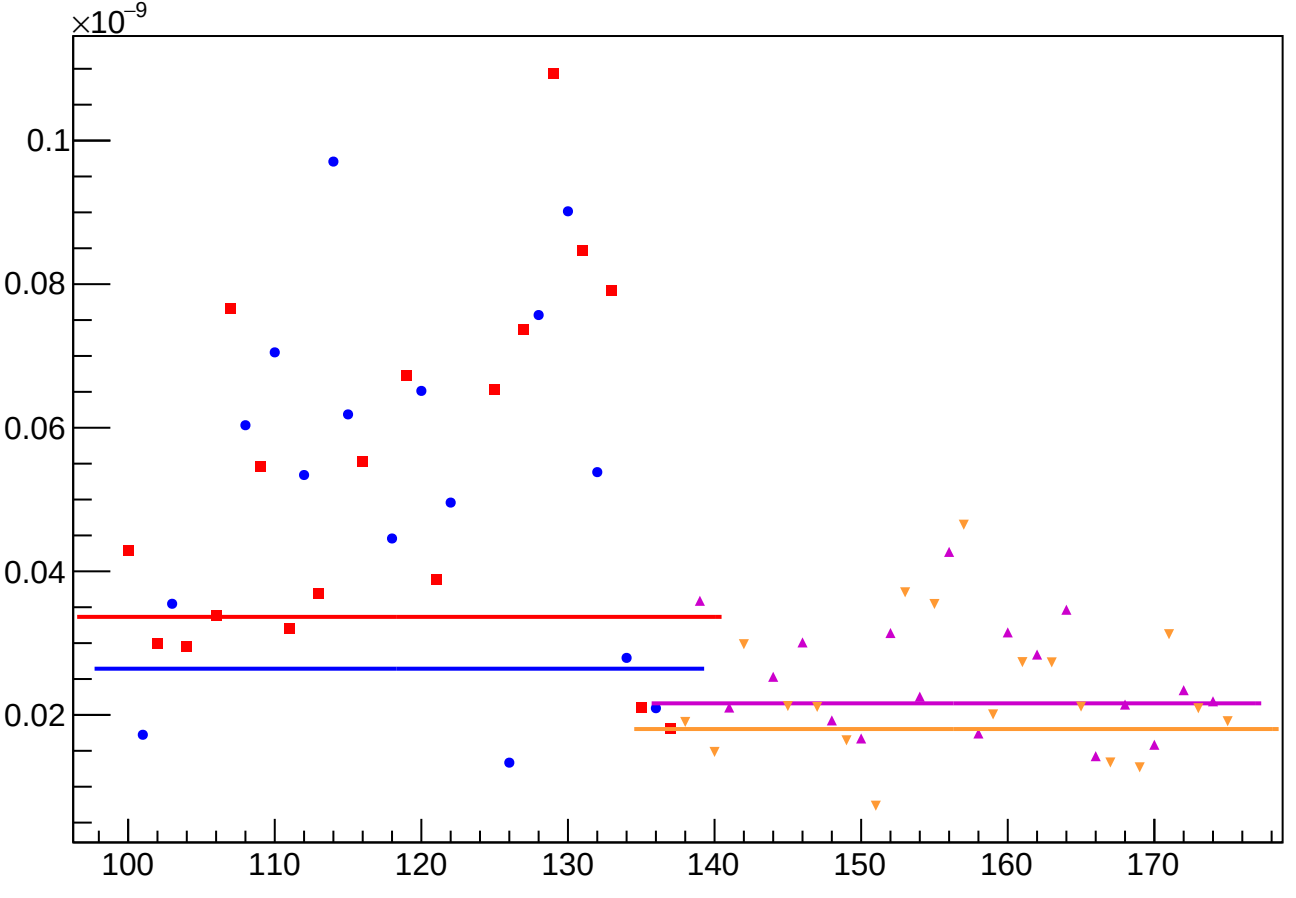
Left: 0.000+/-0.000 χ^2/NDF: 31.9/36

Right: -0.000+/-0.000 χ^2/NDF: 32.1/33

In: 0.000+/-0.000 χ^2/NDF:23.3/33

Out: 0.000+/-0.000 χ^2/NDF:42.3/36

All: 0.000+/-0.000 χ^2/NDF: 65.6/70



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:1590865.7/17

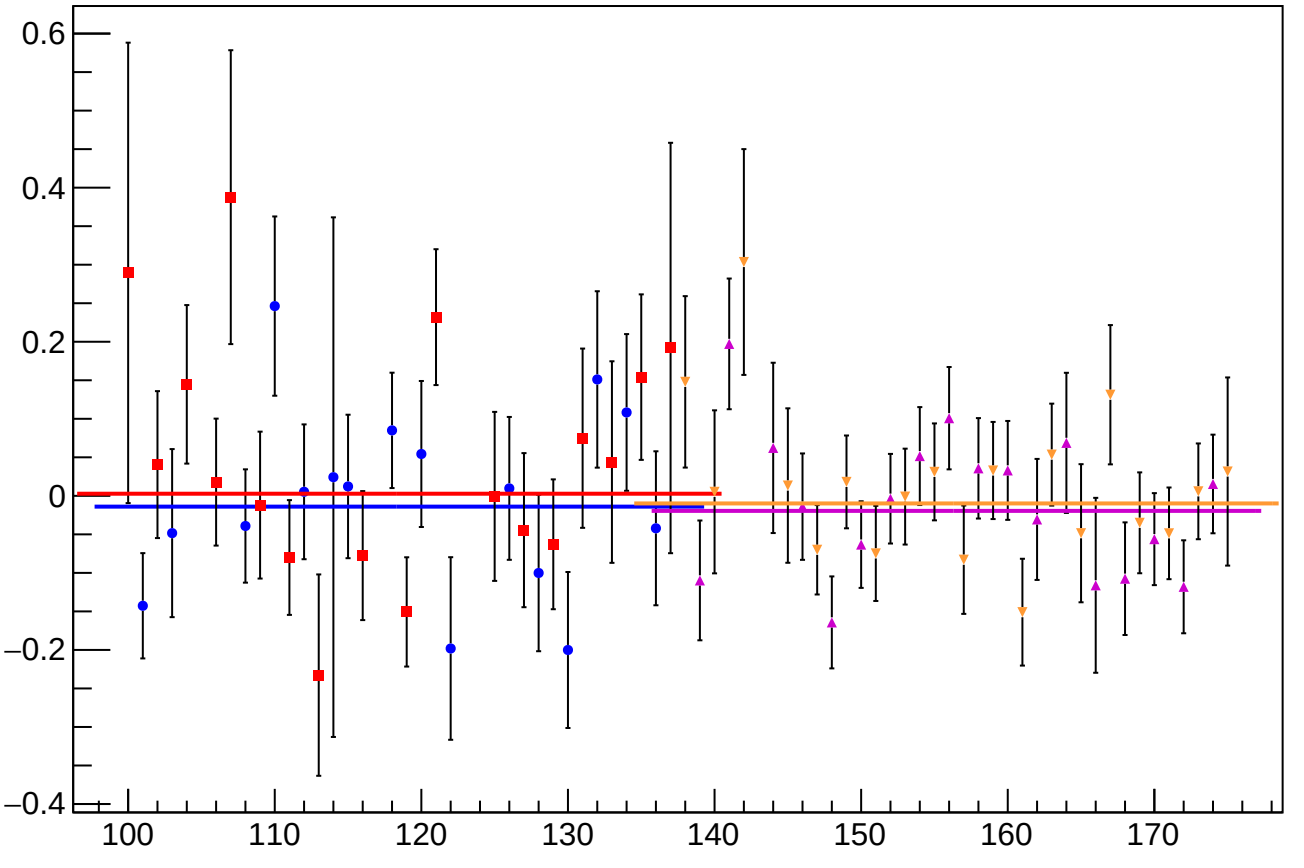
Left: 0.000+/-0.000 χ^2/NDF: 4606738.3/36

Right: 0.000+/-0.000 χ^2/NDF: 4035968.6/33

In: 0.000+/-0.000 χ^2/NDF:3894224.5/33

Out: 0.000+/-0.000 χ^2/NDF:5763961.2/36

All: 0.000+/-0.000 χ^2/NDF: 9844752.6/70



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

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

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

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

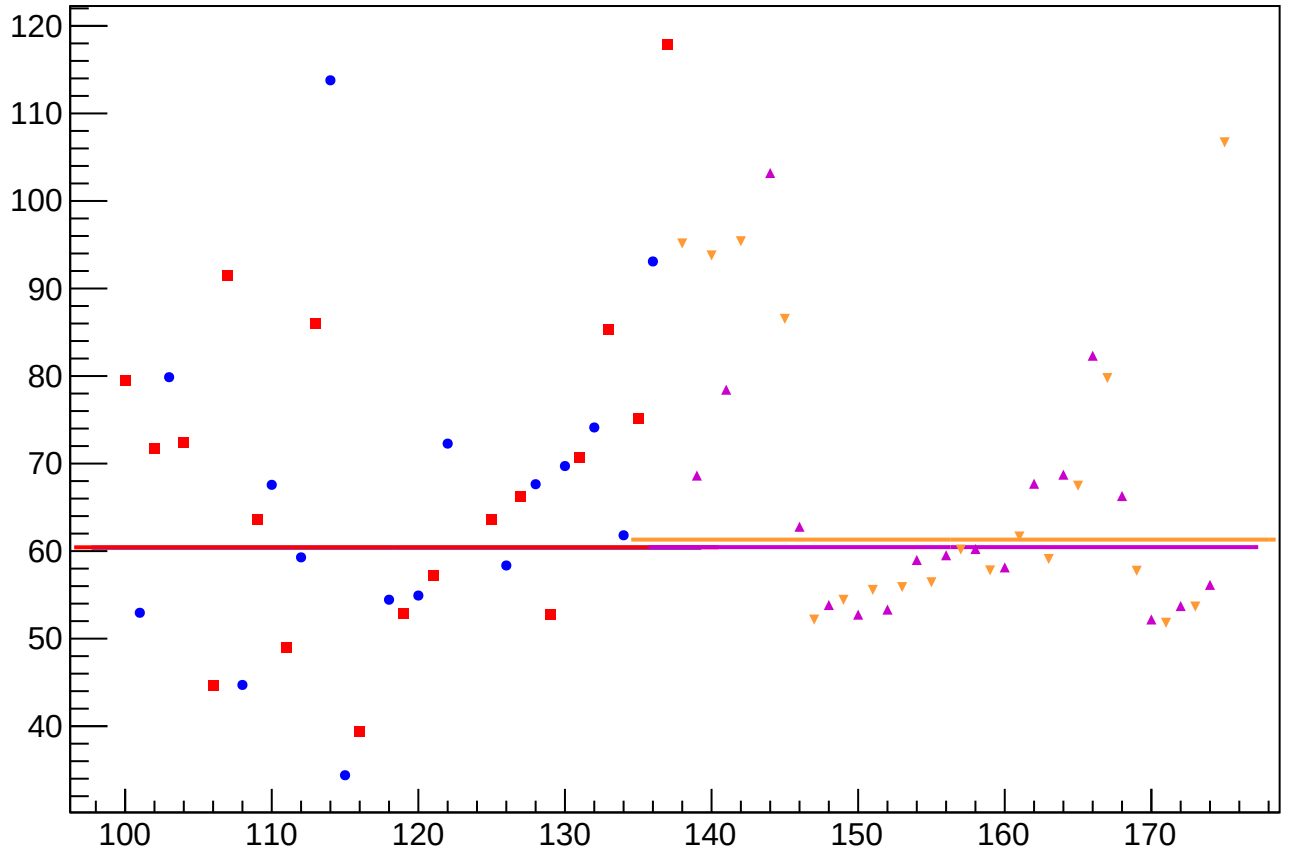
Left: -0.015+/-0.012 χ^2/NDF: 47.0/36

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.4/36

All: -0.012+/-0.010 χ^2/NDF: 96.6/70



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

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

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

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

Left: 60.875+/-0.008 χ^2/NDF: 1898894.2/36

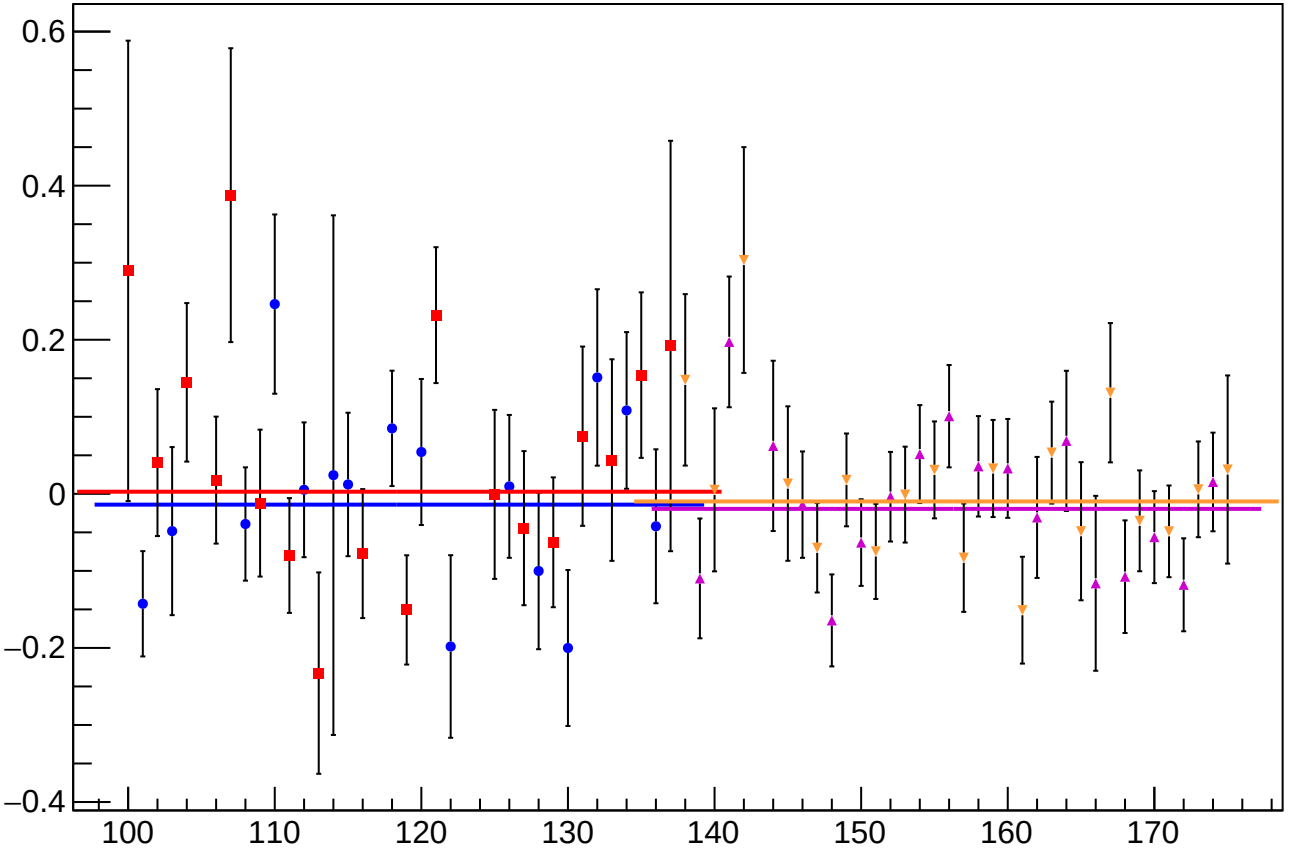
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 60.436+/-0.009 χ^2/NDF:1405703.9/33

Out: 61.026+/-0.010 χ^2/NDF:1906543.7/36

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

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

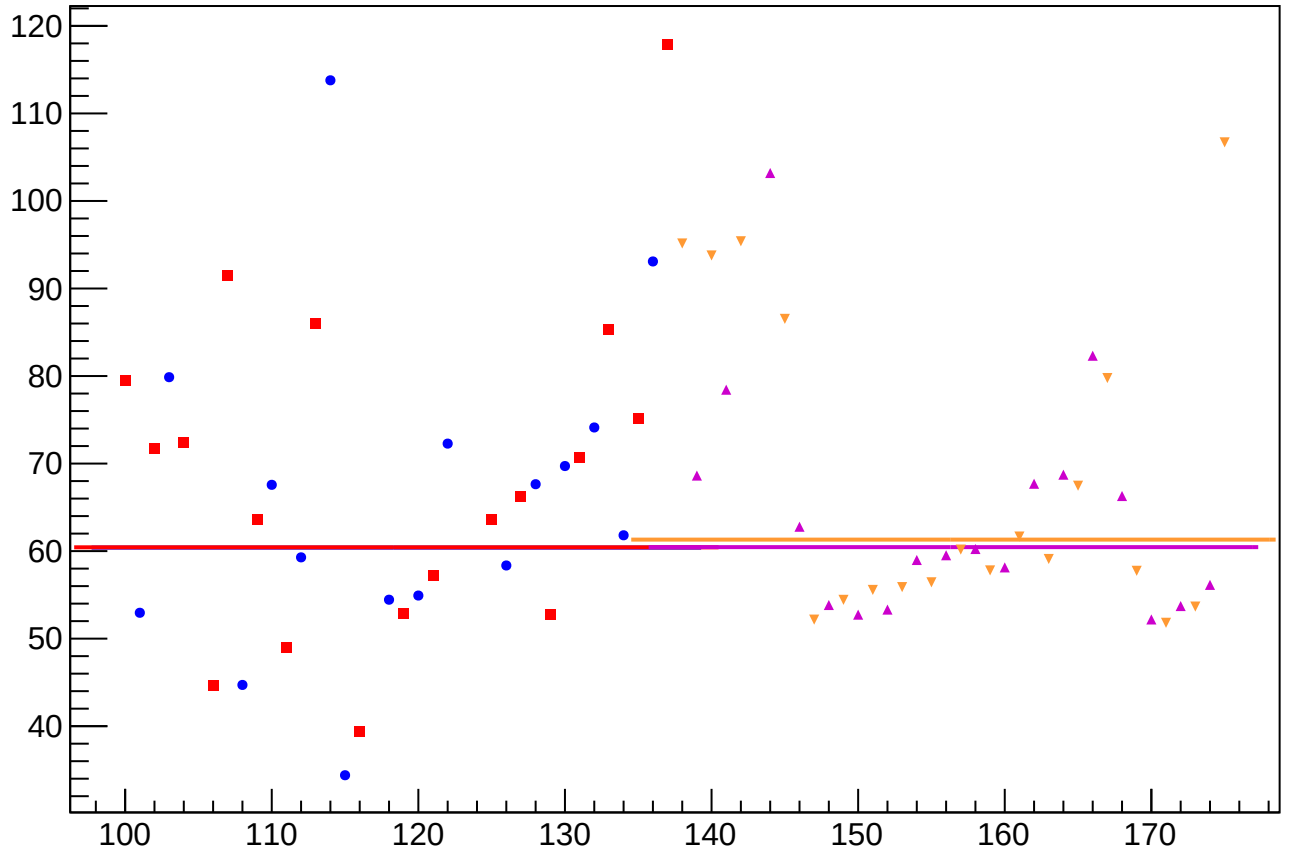
Left: -0.015+/-0.012 χ^2/NDF: 47.0/36

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.4/36

All: -0.012+/-0.010 χ^2/NDF: 96.6/70



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

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

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

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

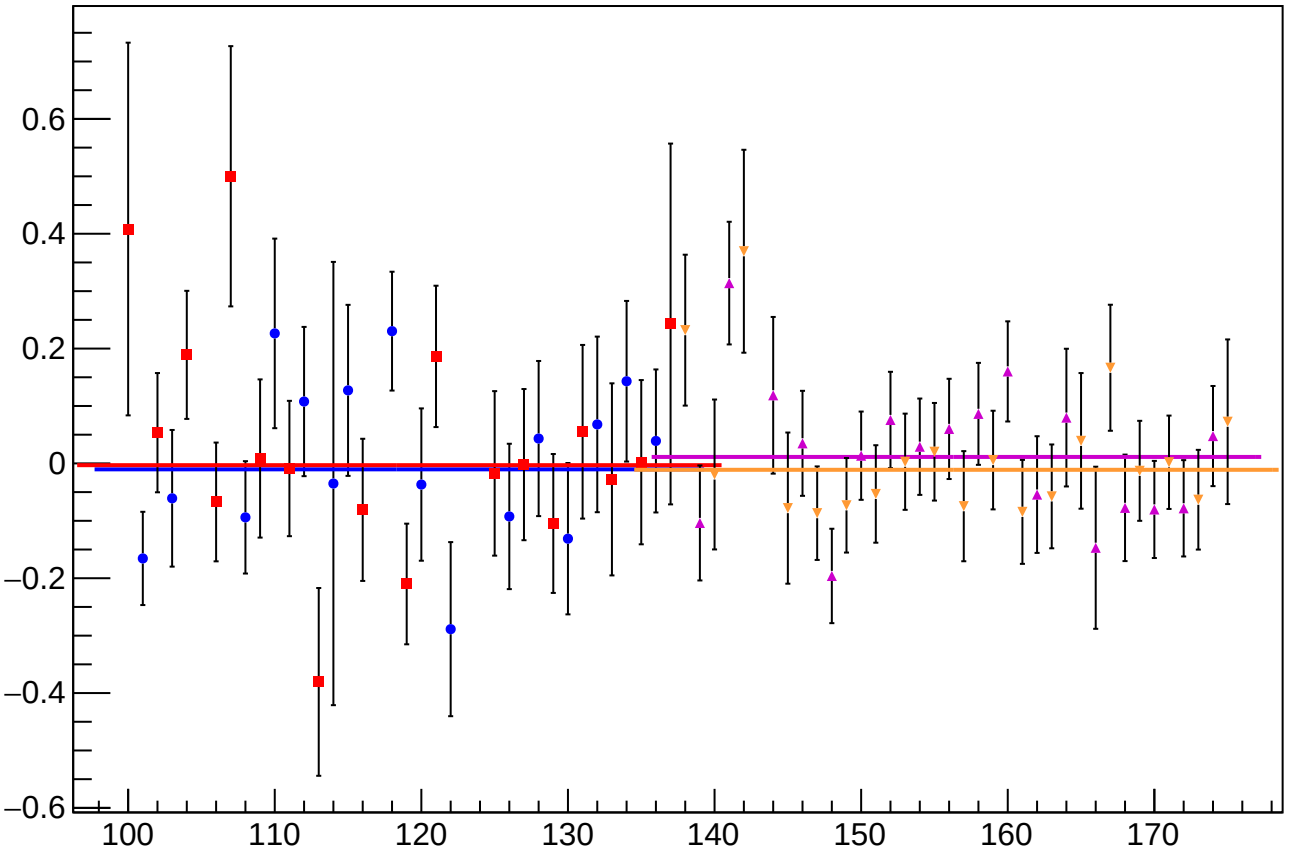
Left: 60.875+/-0.008 χ^2/NDF: 1898894.2/36

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 60.436+/-0.009 χ^2/NDF:1405703.9/33

Out: 61.026+/-0.010 χ^2/NDF:1906543.7/36

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



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

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

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

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

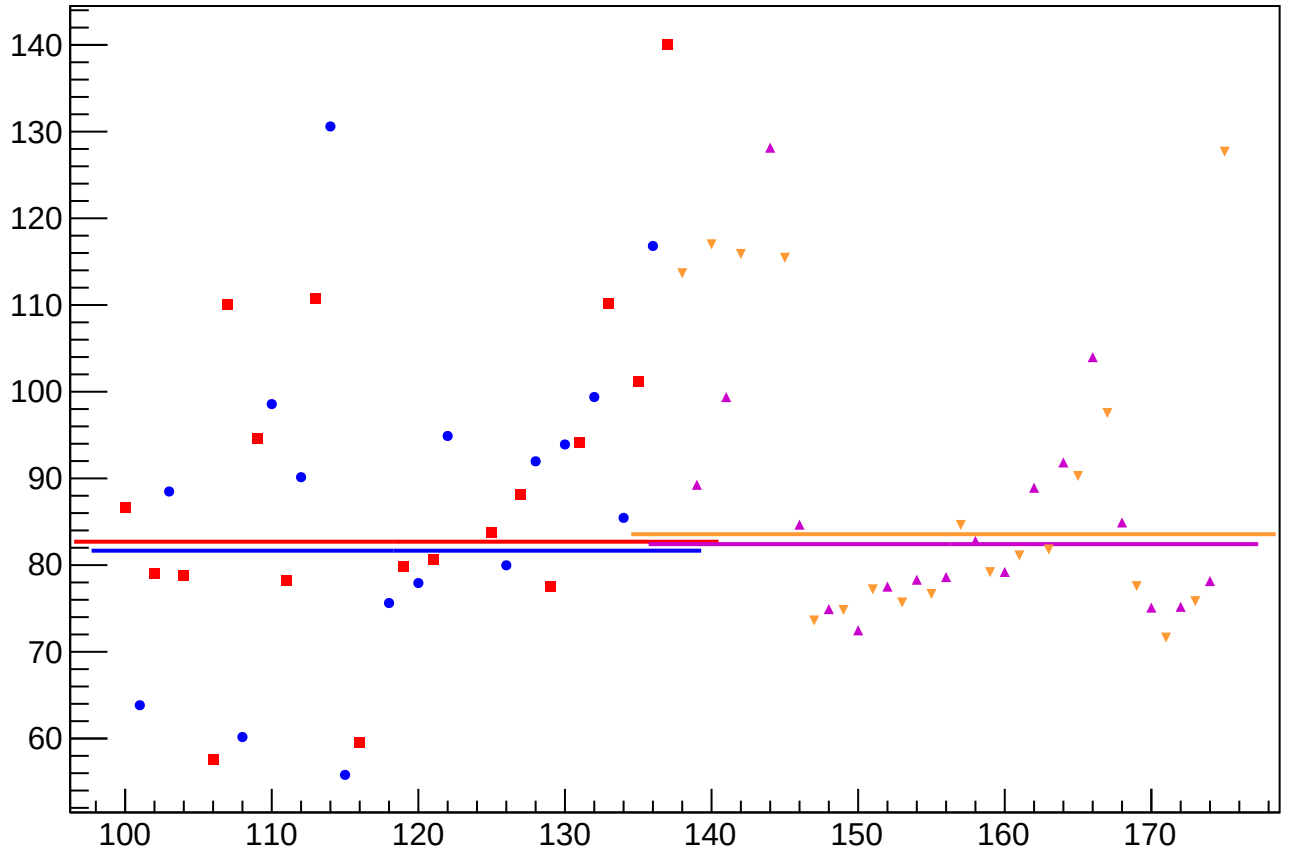
Left: 0.000+/-0.016 χ^2/NDF: 42.0/36

Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.004+/-0.018 χ^2/NDF:46.8/33

Out: -0.009+/-0.018 χ^2/NDF:38.8/36

All: -0.002+/-0.013 χ^2/NDF: 85.9/70



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

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

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

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

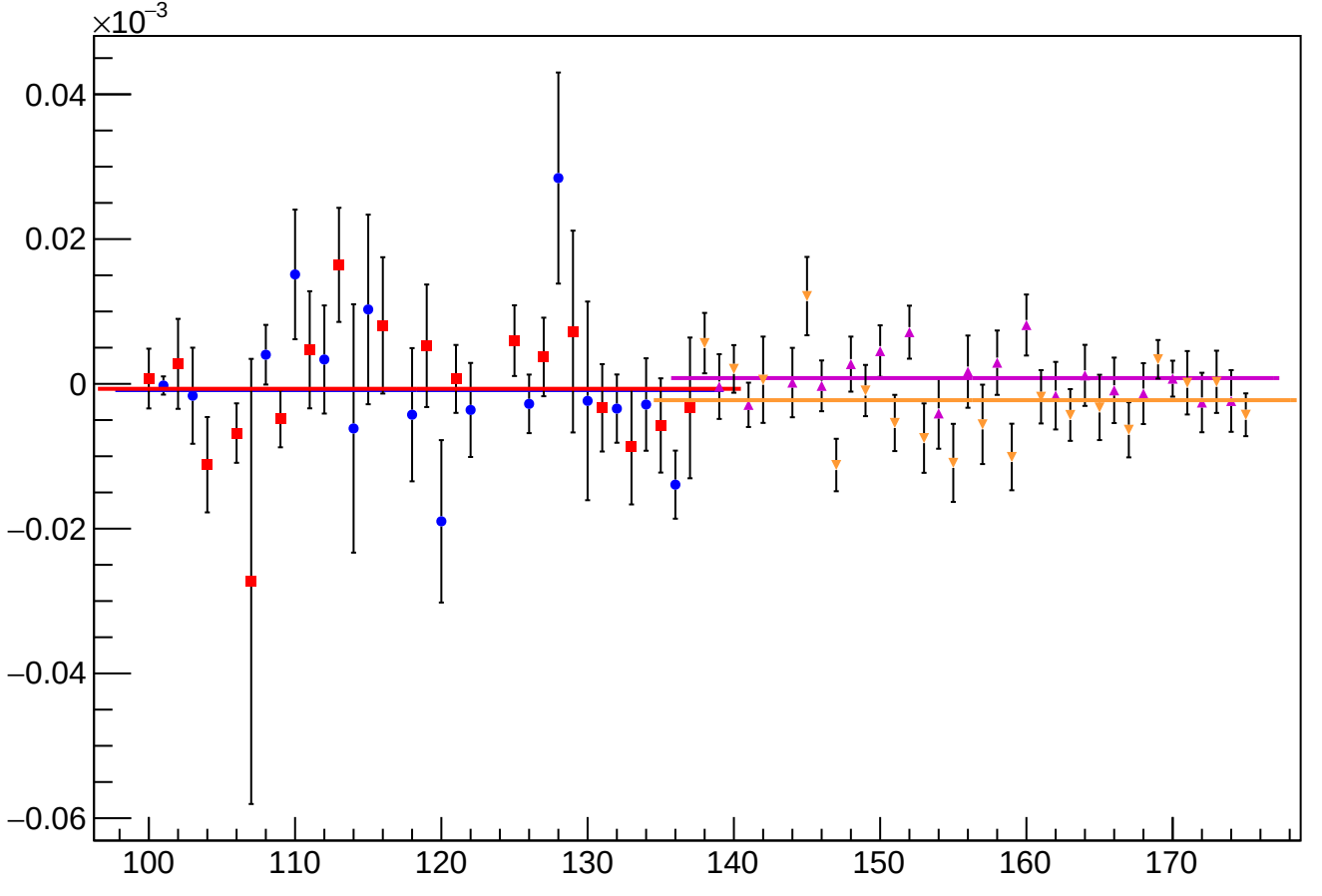
Left: 82.984+/-0.011 χ^2/NDF: 1278849.5/36

Right: 82.180+/-0.016 χ^2/NDF: 1035987.5/33

In: 82.176+/-0.013 χ^2/NDF:1019657.4/33

Out: 83.282+/-0.013 χ^2/NDF:1293169.4/36

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



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

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

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

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

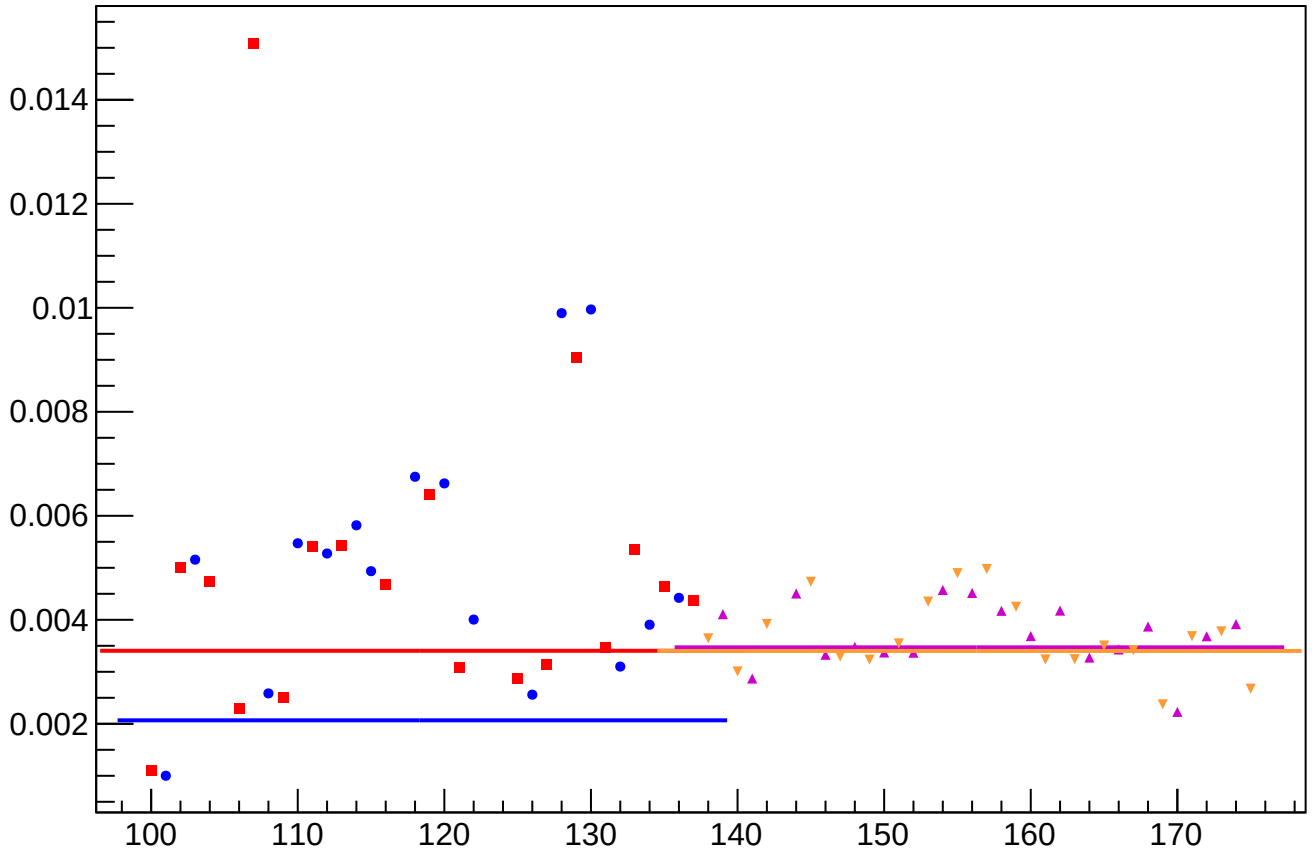
Left: -0.000+/-0.000 χ^2/NDF: 51.5/36

Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:52.9/36

All: -0.000+/-0.000 χ^2/NDF: 91.1/70



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

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

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

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

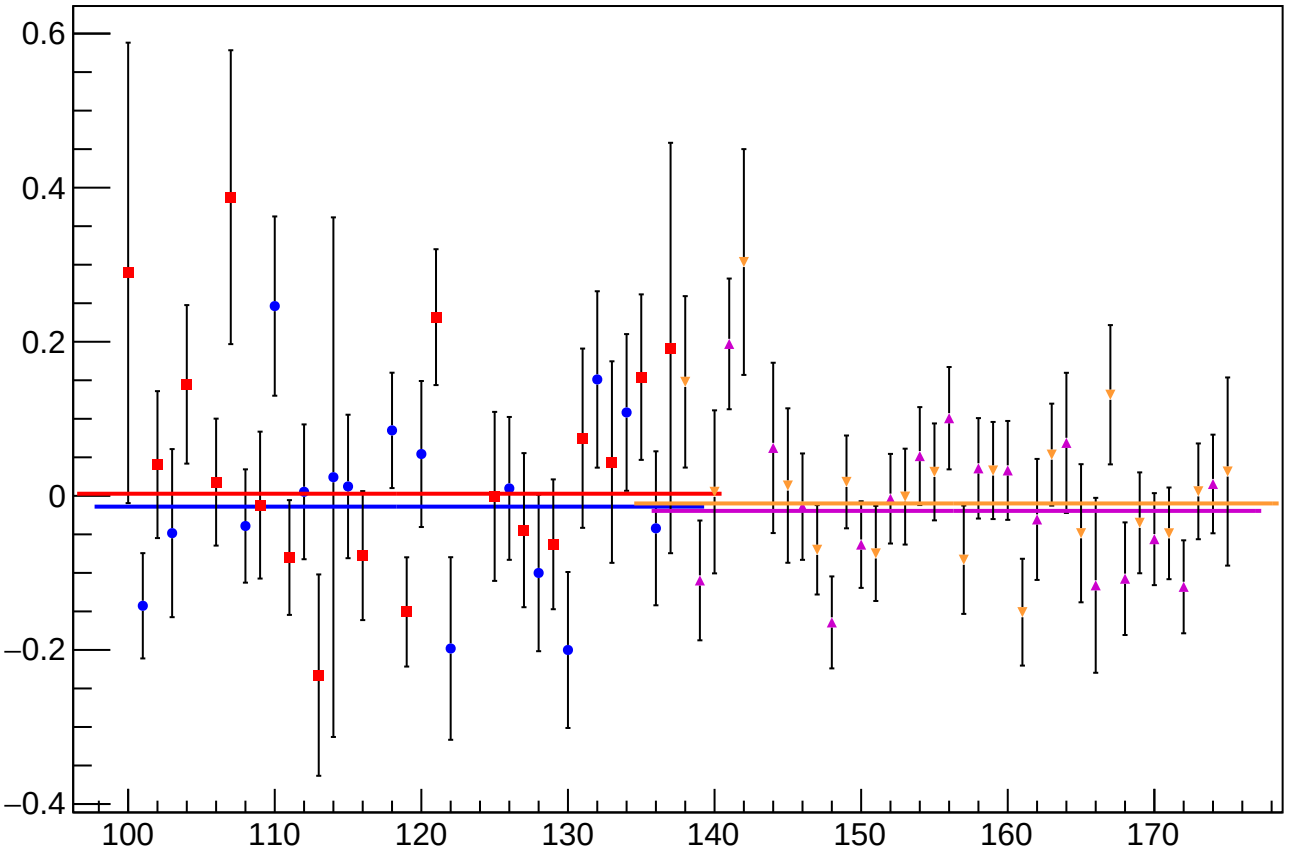
Left: 0.003+/-0.000 χ^2/NDF: 2162062.0/36

Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:8985400.4/33

Out: 0.003+/-0.000 χ^2/NDF:3588117.9/36

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



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

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

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

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

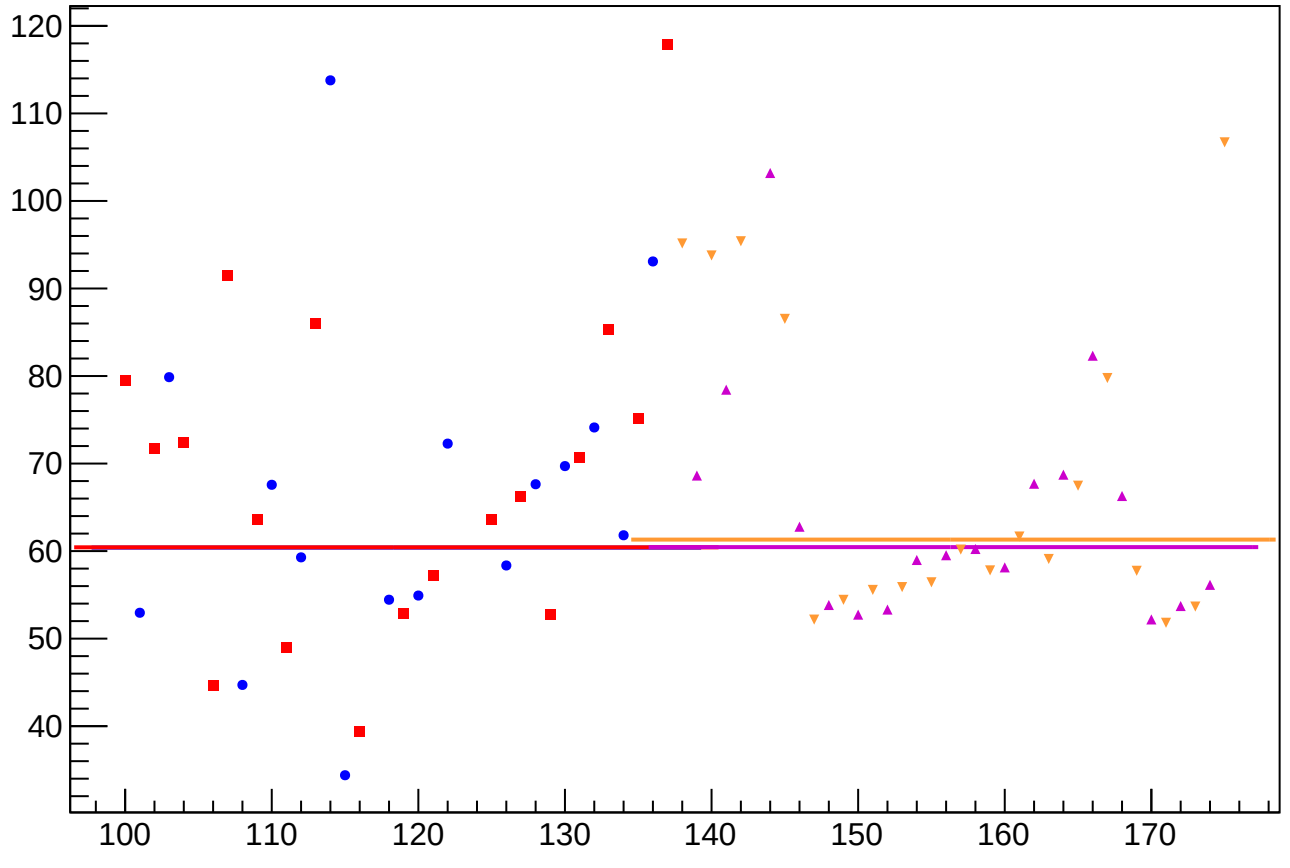
Left: -0.015+/-0.012 χ^2/NDF: 47.0/36

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.4/36

All: -0.012+/-0.010 χ^2/NDF: 96.6/70



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

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

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

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

Left: 60.875+/-0.008 χ^2/NDF: 1898872.7/36

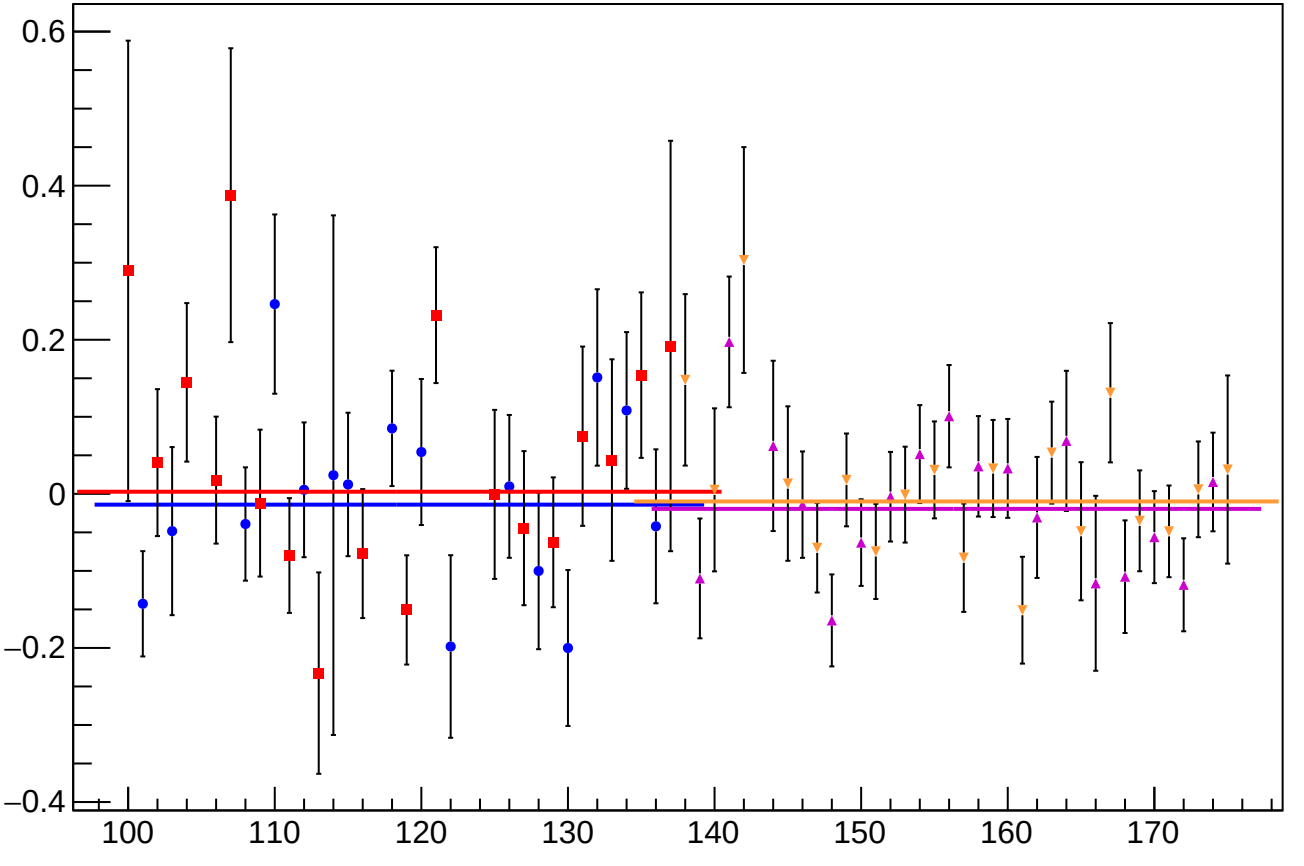
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.436+/-0.009 χ^2/NDF:1405705.1/33

Out: 61.026+/-0.010 χ^2/NDF:1906570.9/36

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

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

Left: -0.015+/-0.012 χ^2/NDF: 47.0/36

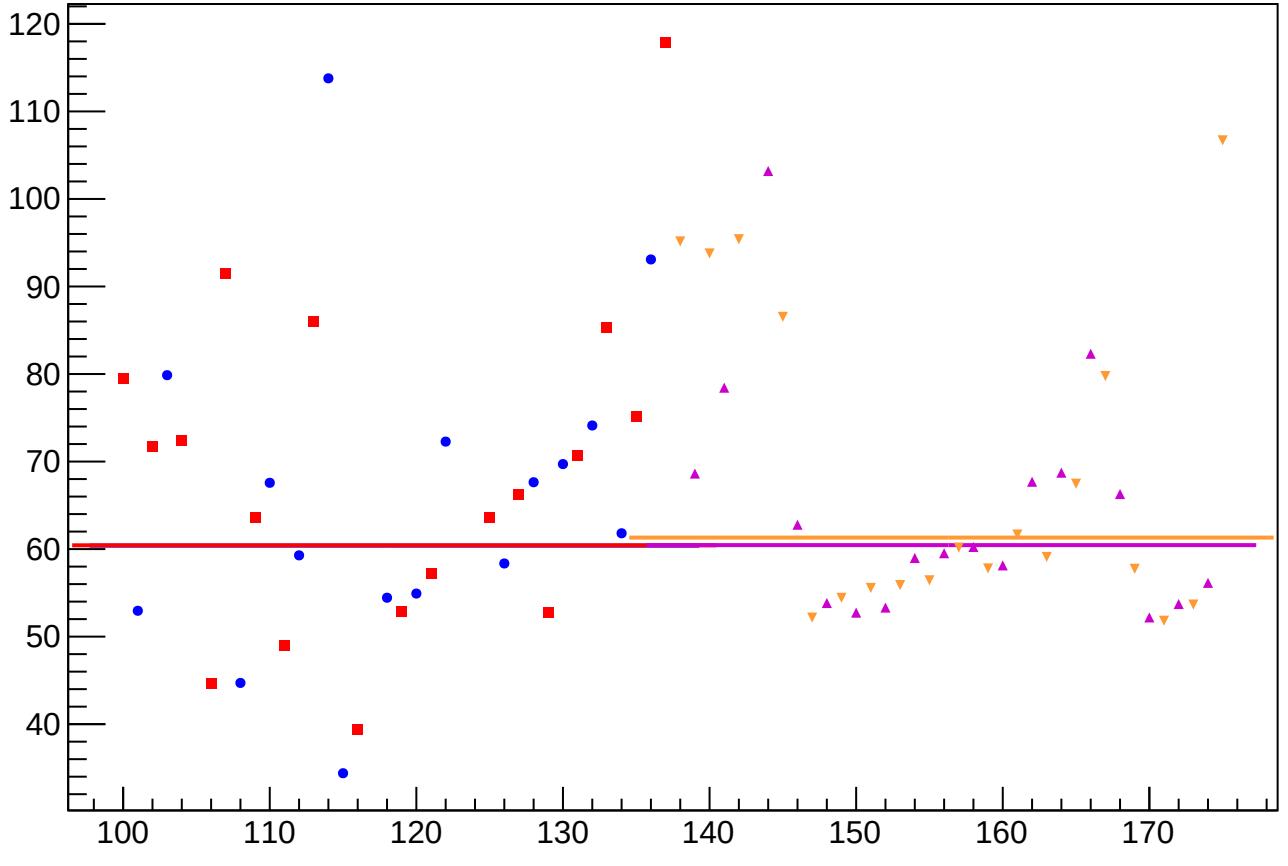
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.4/36

All: -0.012+/-0.010 χ^2/NDF: 96.6/70

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

Left: 60.875+/-0.008 χ^2/NDF: 1898872.7/36

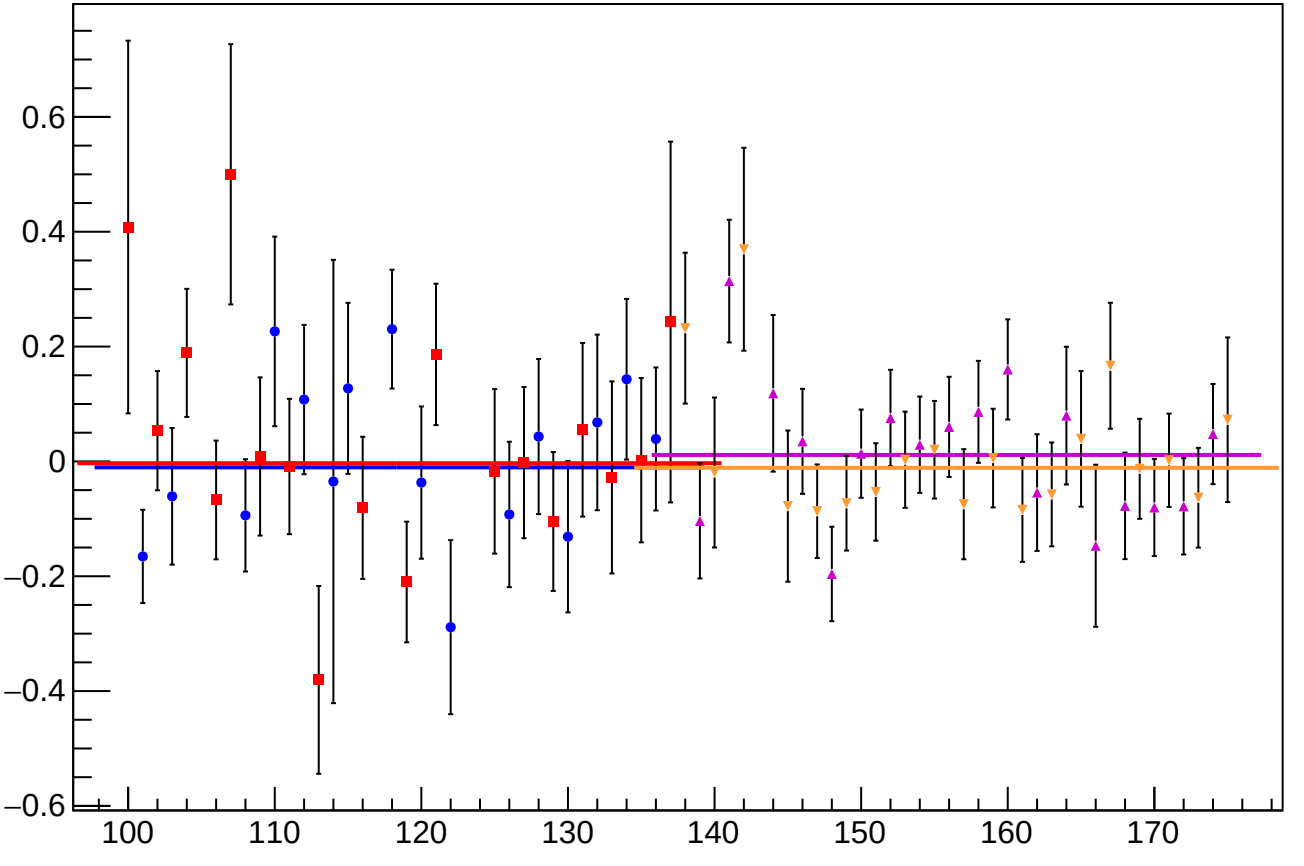
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.436+/-0.009 χ^2/NDF:1405705.1/33

Out: 61.026+/-0.010 χ^2/NDF:1906570.9/36

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

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

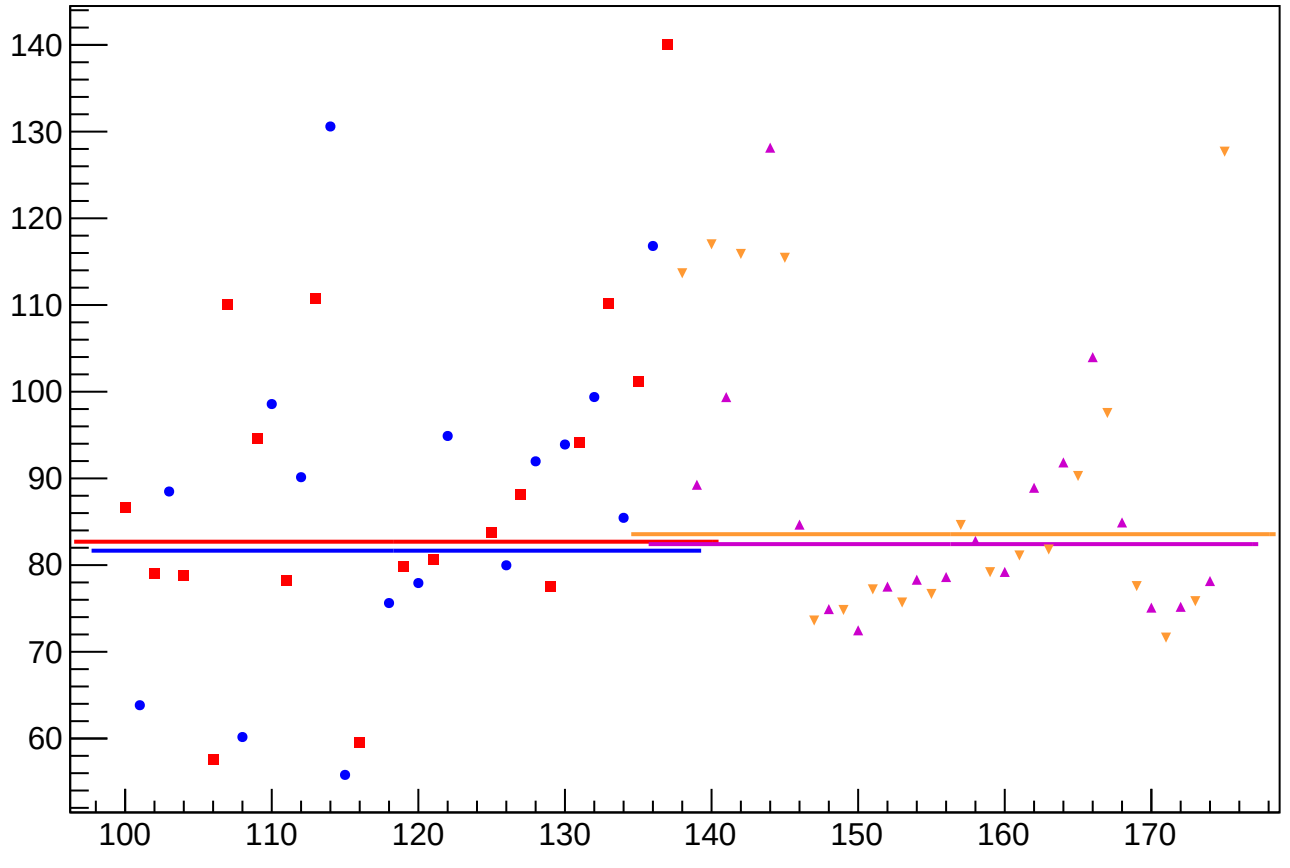
Left: 0.000+/-0.016 χ^2/NDF: 42.0/36

Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.004+/-0.018 χ^2/NDF:46.8/33

Out: -0.009+/-0.018 χ^2/NDF:38.8/36

All: -0.002+/-0.013 χ^2/NDF: 85.9/70



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

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

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

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

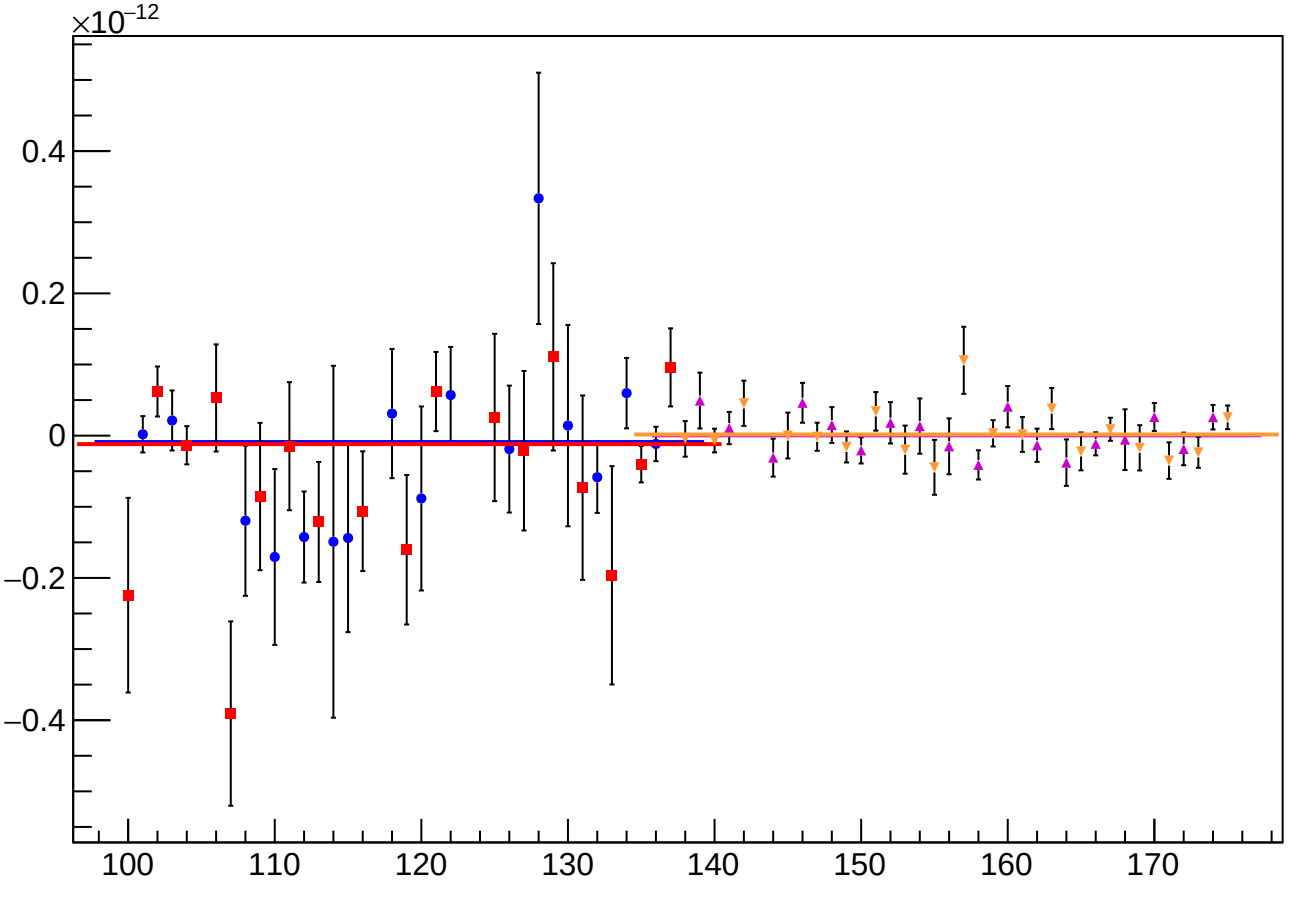
Left: 82.984+/-0.011 χ^2/NDF: 1278840.5/36

Right: 82.179+/-0.016 χ^2/NDF: 1035971.3/33

In: 82.176+/-0.013 χ^2/NDF:1019643.9/33

Out: 83.282+/-0.013 χ^2/NDF:1293163.4/36

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



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

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

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

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

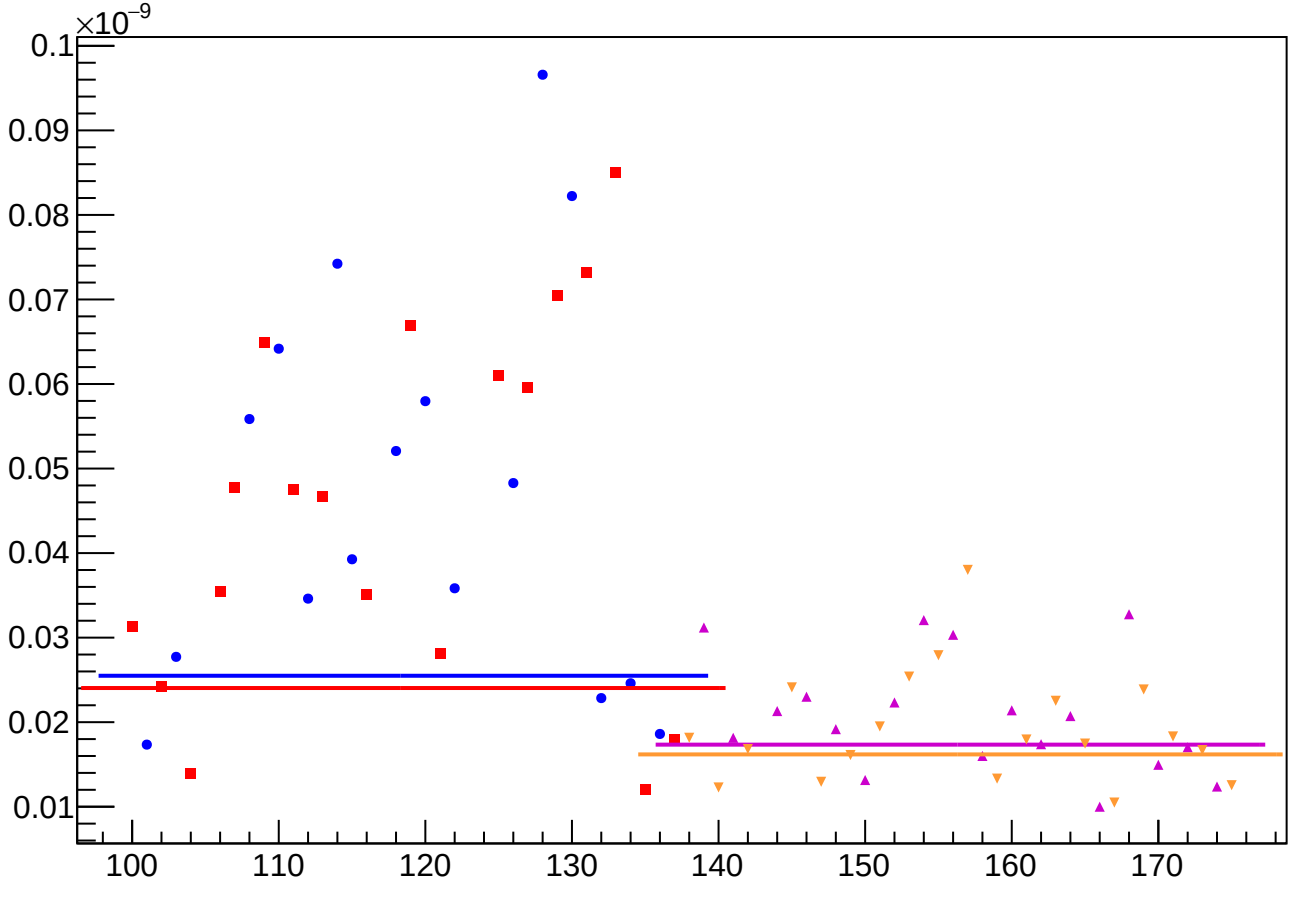
Left: 0.000+/-0.000 χ^2/NDF: 40.5/36

Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

In: -0.000+/-0.000 χ^2/NDF:38.9/33

Out: -0.000+/-0.000 χ^2/NDF:51.4/36

All: -0.000+/-0.000 χ^2/NDF: 90.3/70



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

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

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

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

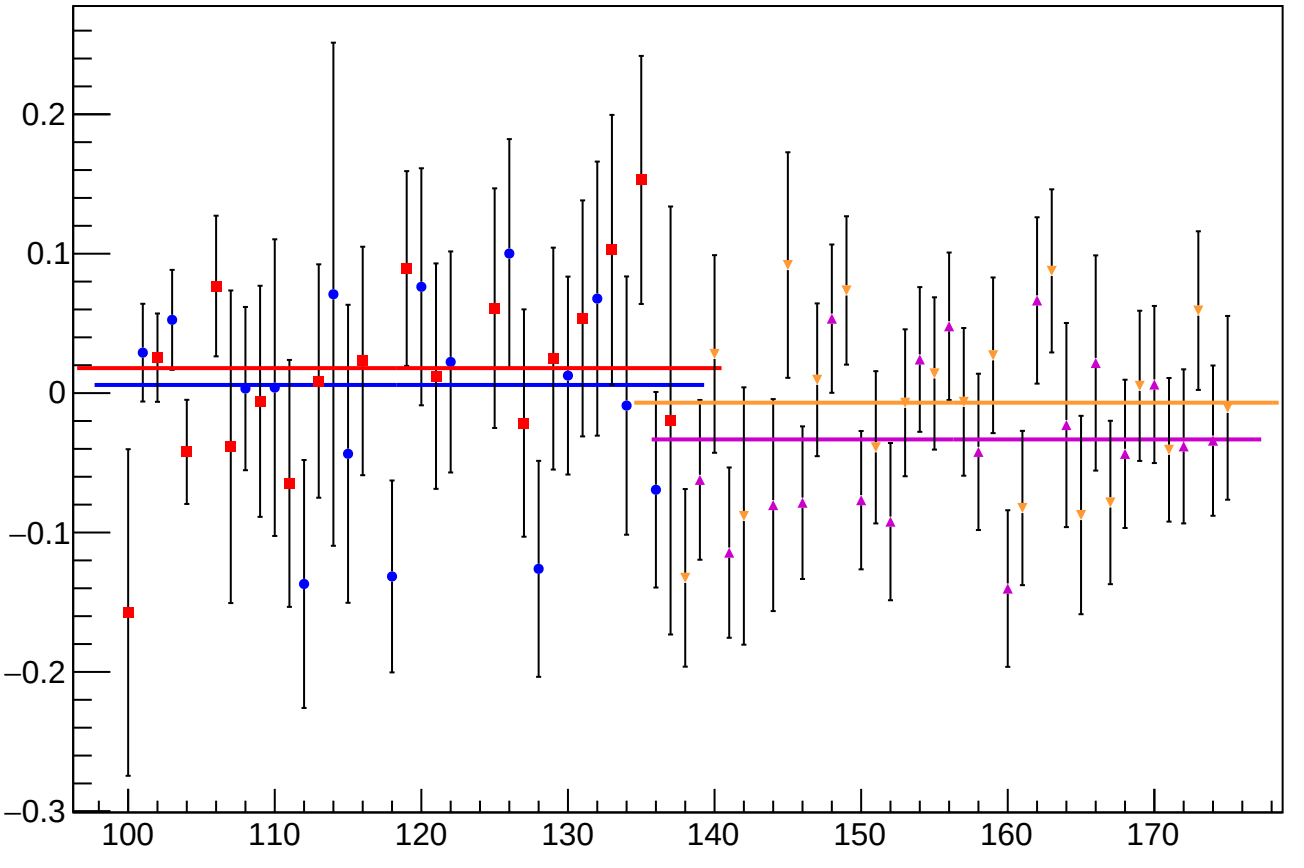
Left: 0.000+/-0.000 χ^2/NDF: 3759476.1/36

Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:4630728.8/33

Out: 0.000+/-0.000 χ^2/NDF:5399824.4/36

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



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

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

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

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

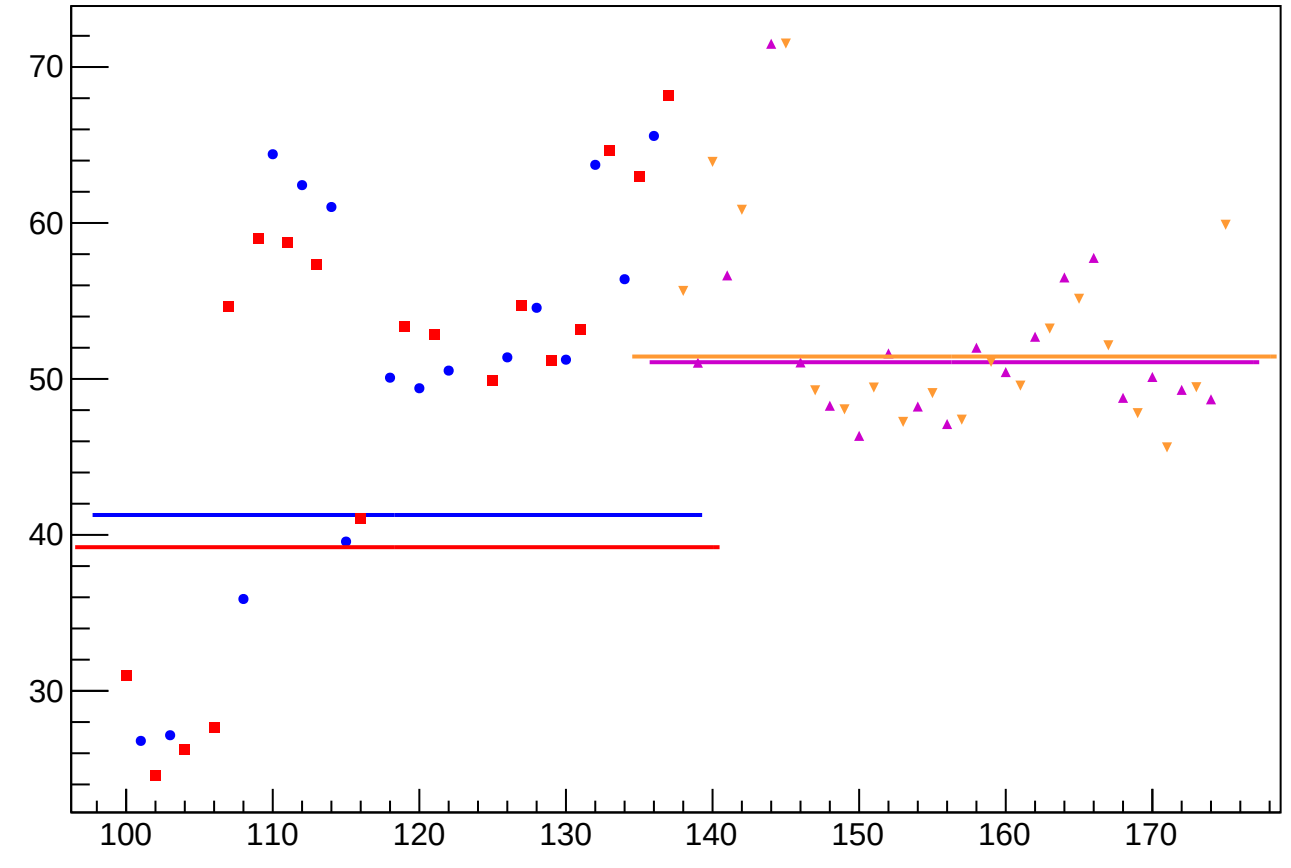
Left: -0.020+/-0.010 χ^2/NDF: 39.3/36

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.018+/-0.010 χ^2/NDF:37.6/33

Out: 0.004+/-0.010 χ^2/NDF:32.5/36

All: -0.007+/-0.007 χ^2/NDF: 72.2/70



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

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

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

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

Left: 51.255+/-0.007 χ^2/NDF: 577498.6/36

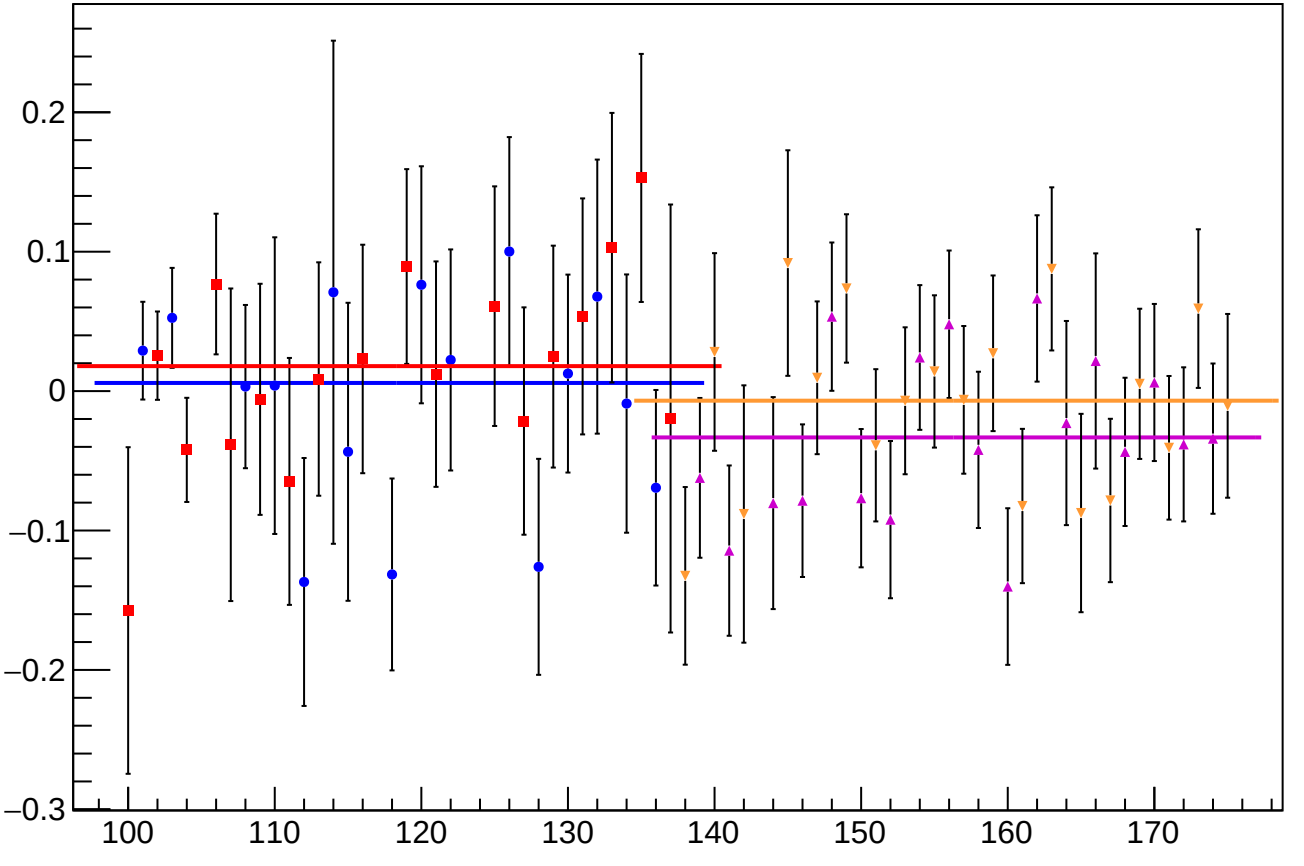
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.154+/-0.007 χ^2/NDF:2167375.9/33

Out: 46.248+/-0.007 χ^2/NDF:2851192.4/36

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

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

Left: -0.020+/-0.010 χ^2/NDF: 39.3/36

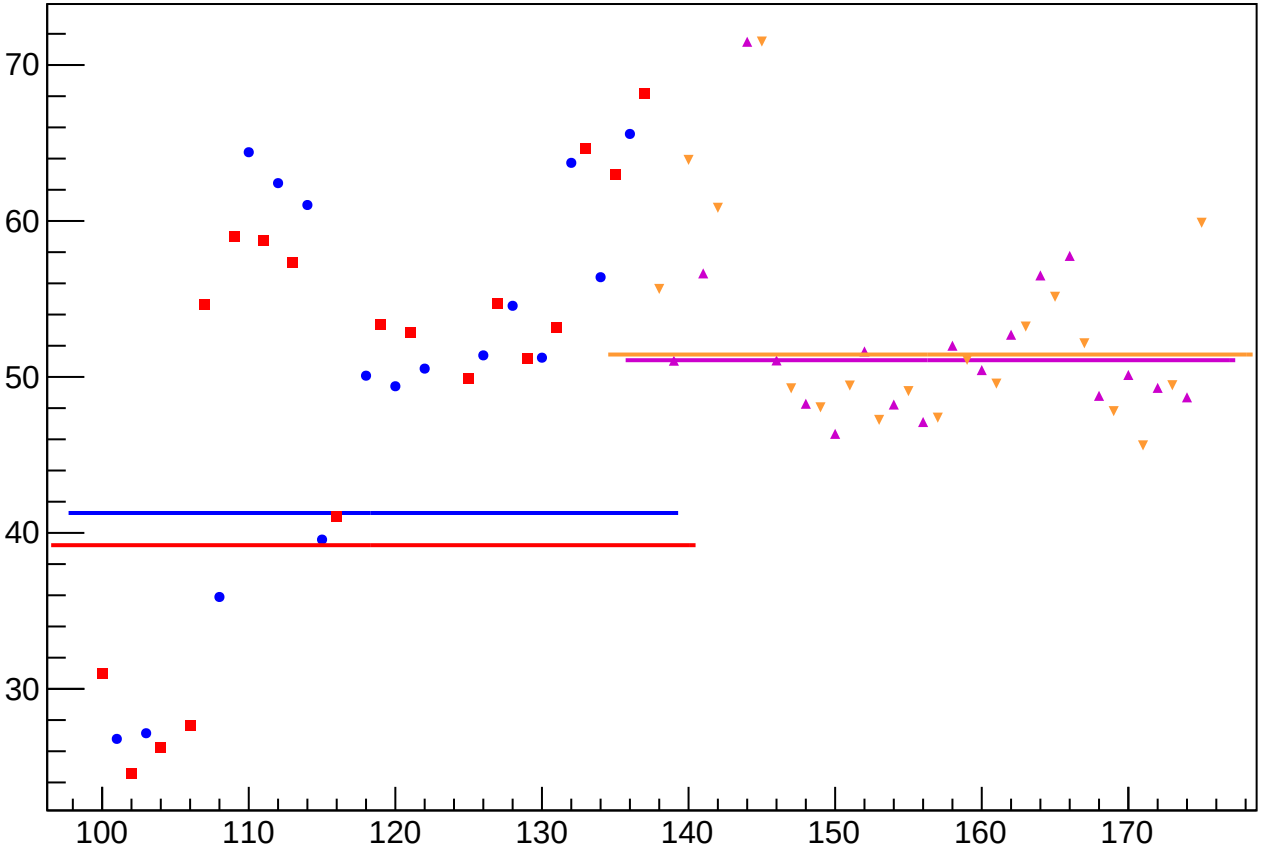
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.018+/-0.010 χ^2/NDF:37.6/33

Out: 0.004+/-0.010 χ^2/NDF:32.5/36

All: -0.007+/-0.007 χ^2/NDF: 72.2/70

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

Left: 51.255+/-0.007 χ^2/NDF: 577498.6/36

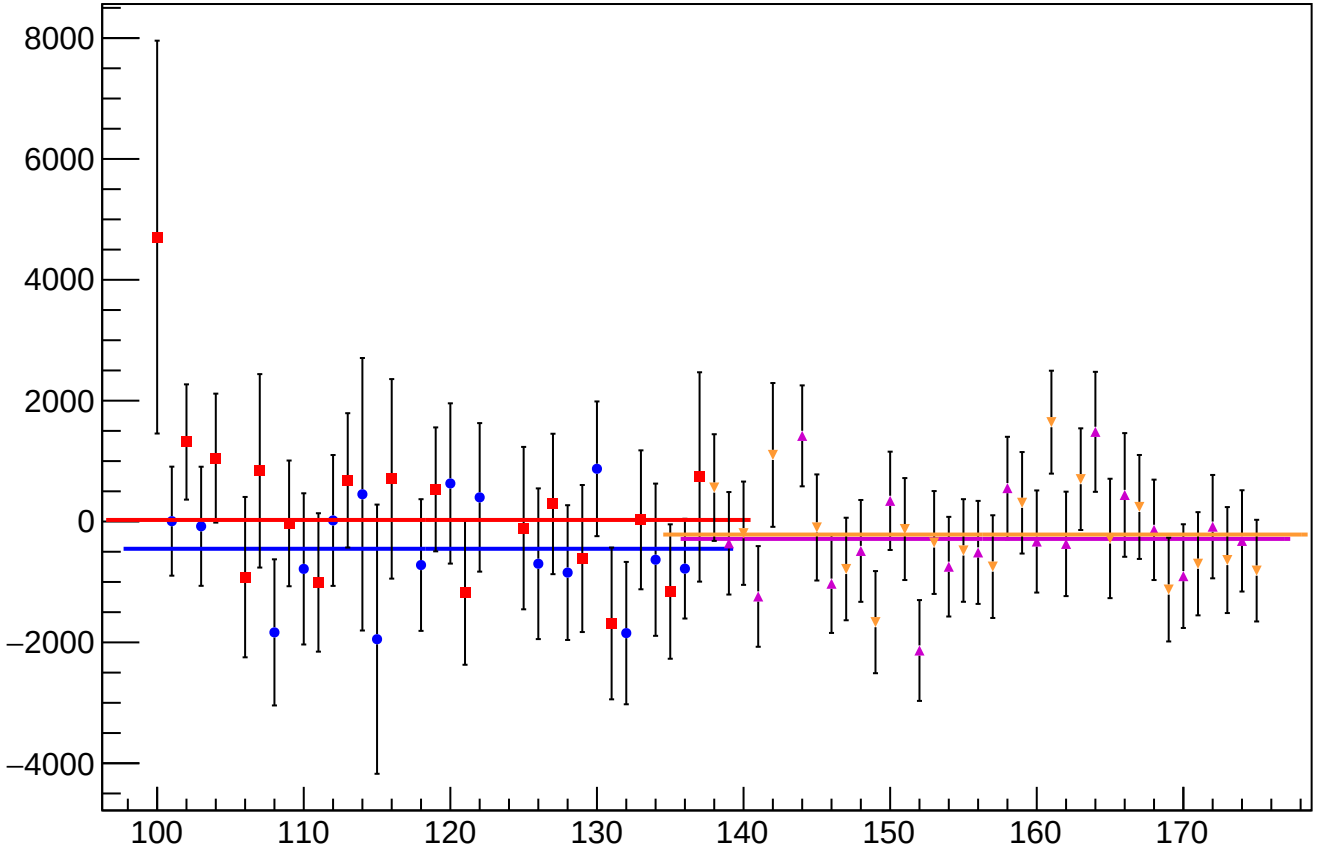
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.154+/-0.007 χ^2/NDF:2167375.9/33

Out: 46.248+/-0.007 χ^2/NDF:2851192.4/36

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: -251.363+/-141.850 χ^2/NDF: 32.3/36

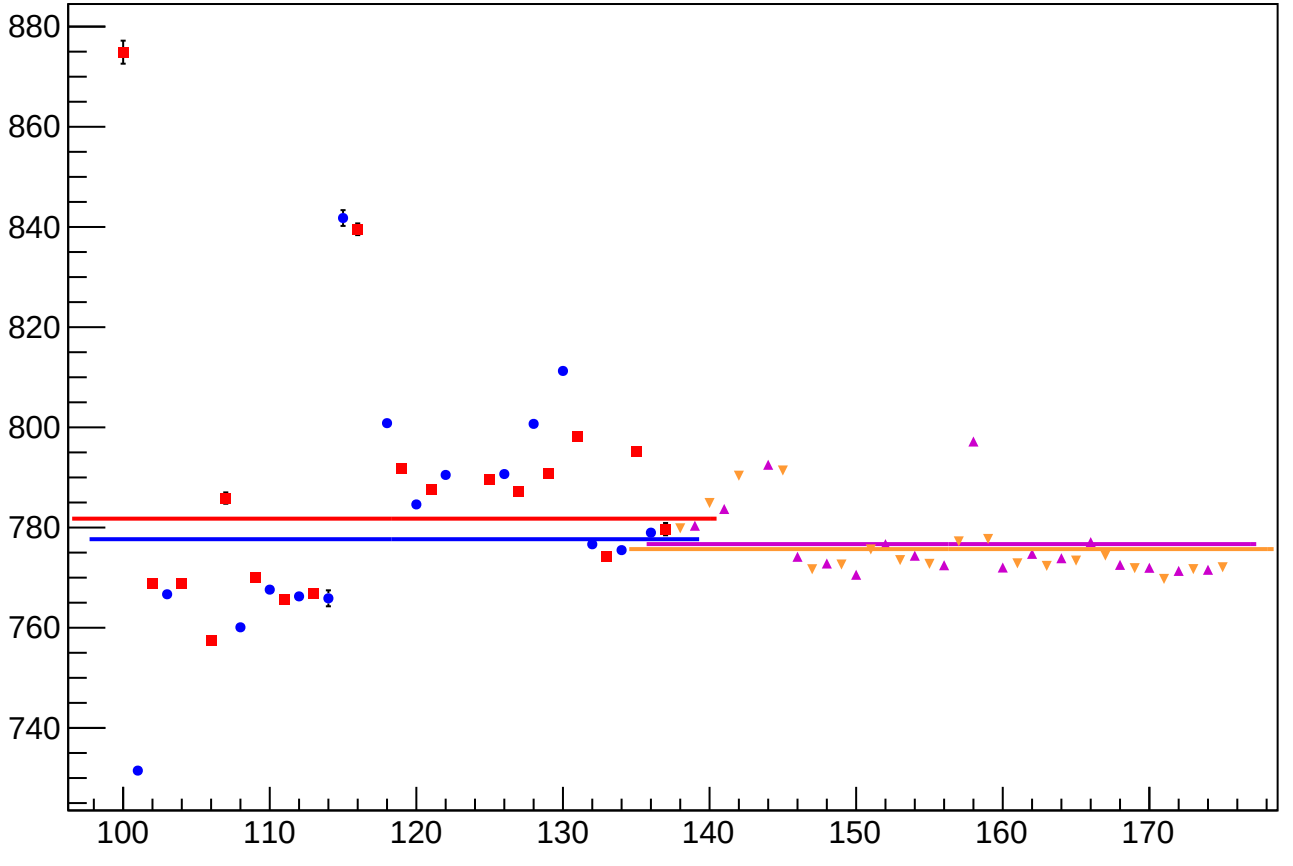
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.116+/-165.191 χ^2/NDF:24.7/33

Out: -136.962+/-164.224 χ^2/NDF:26.9/36

All: -238.439+/-116.464 χ^2/NDF: 52.4/70

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

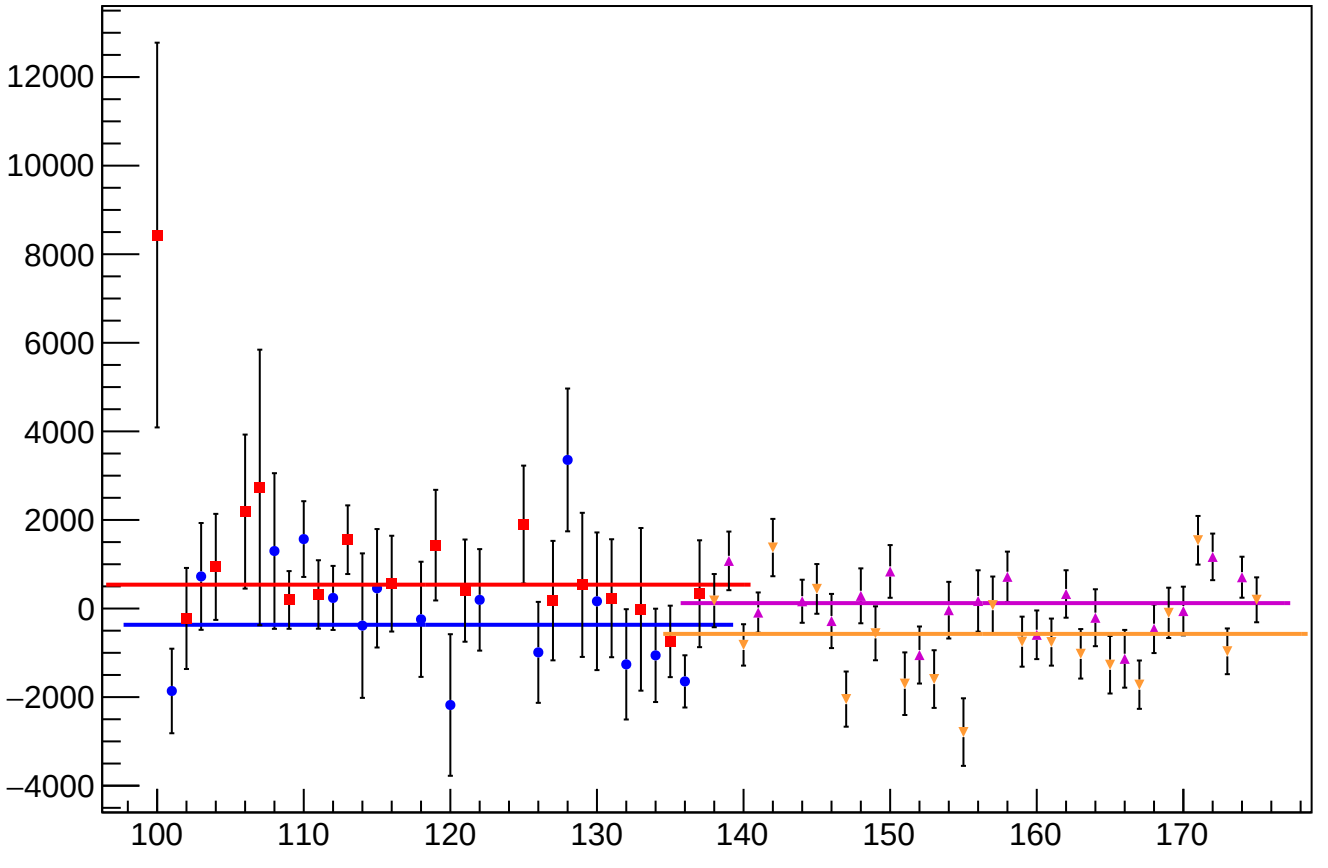
Left: 776.195+/-0.100 χ^2/NDF: 4308.4/36

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.017+/-0.117 χ^2/NDF:14724.7/33

Out: 777.675+/-0.116 χ^2/NDF:9856.9/36

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



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

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

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

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

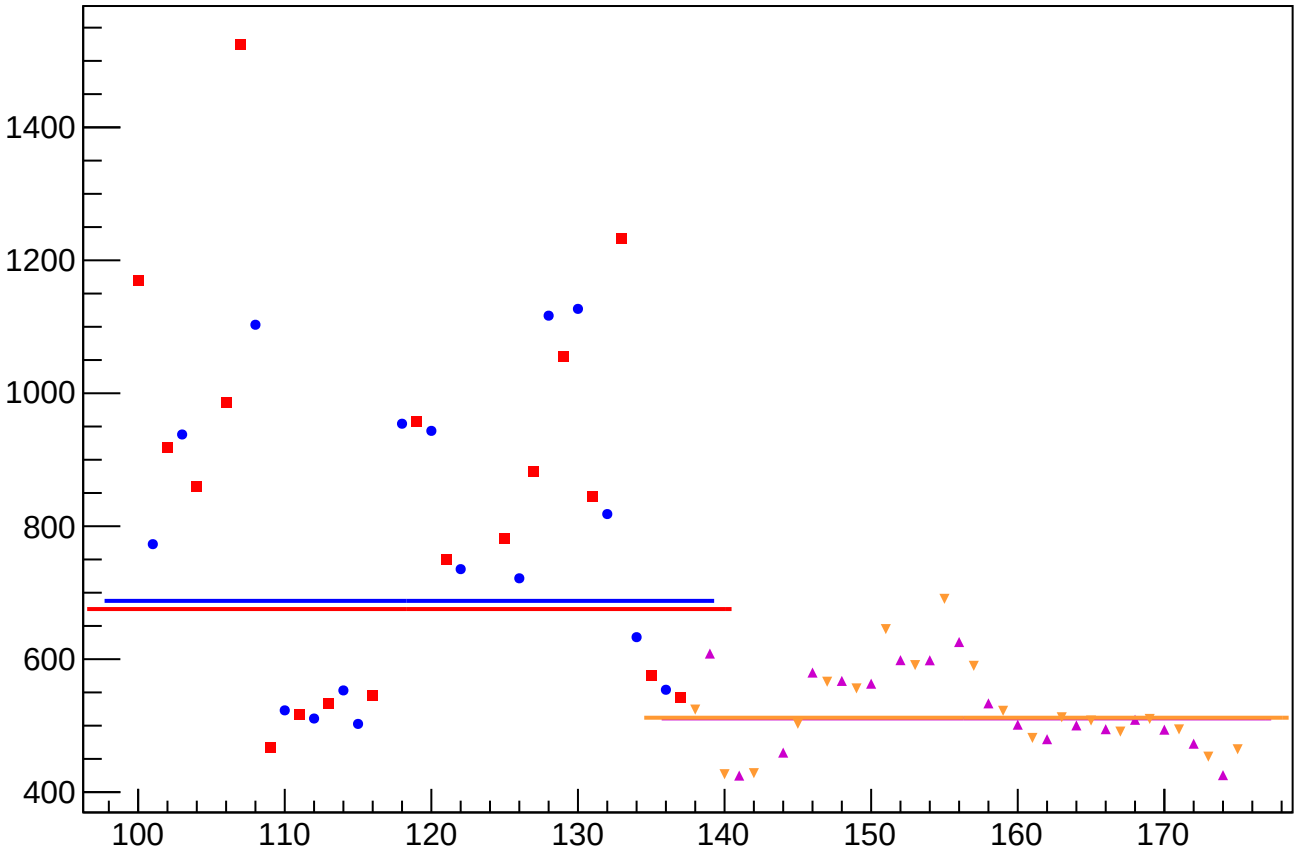
Left: -226.233+/-94.362 χ^2/NDF: 93.9/36

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 24.017+/-119.482 χ^2/NDF:47.3/33

Out: -345.454+/-118.857 χ^2/NDF:84.9/36

All: -161.687+/-84.265 χ^2/NDF: 137.0/70



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

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

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

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

Left: 511.423+/-0.067 χ^2/NDF: 838886.6/36

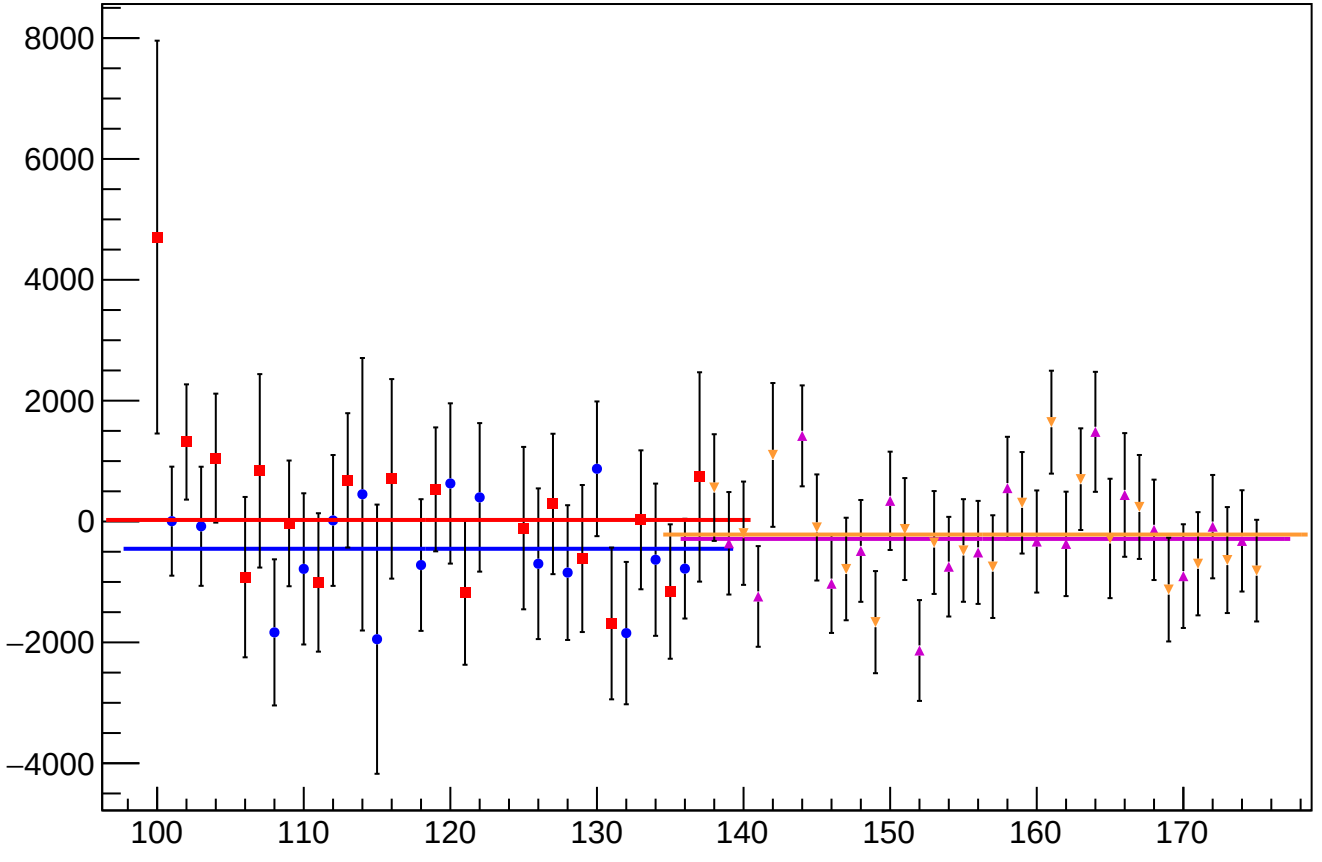
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 546.381+/-0.084 χ^2/NDF:2151833.7/33

Out: 545.360+/-0.084 χ^2/NDF:2349724.1/36

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

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: -251.363+/-141.850 χ^2/NDF: 32.3/36

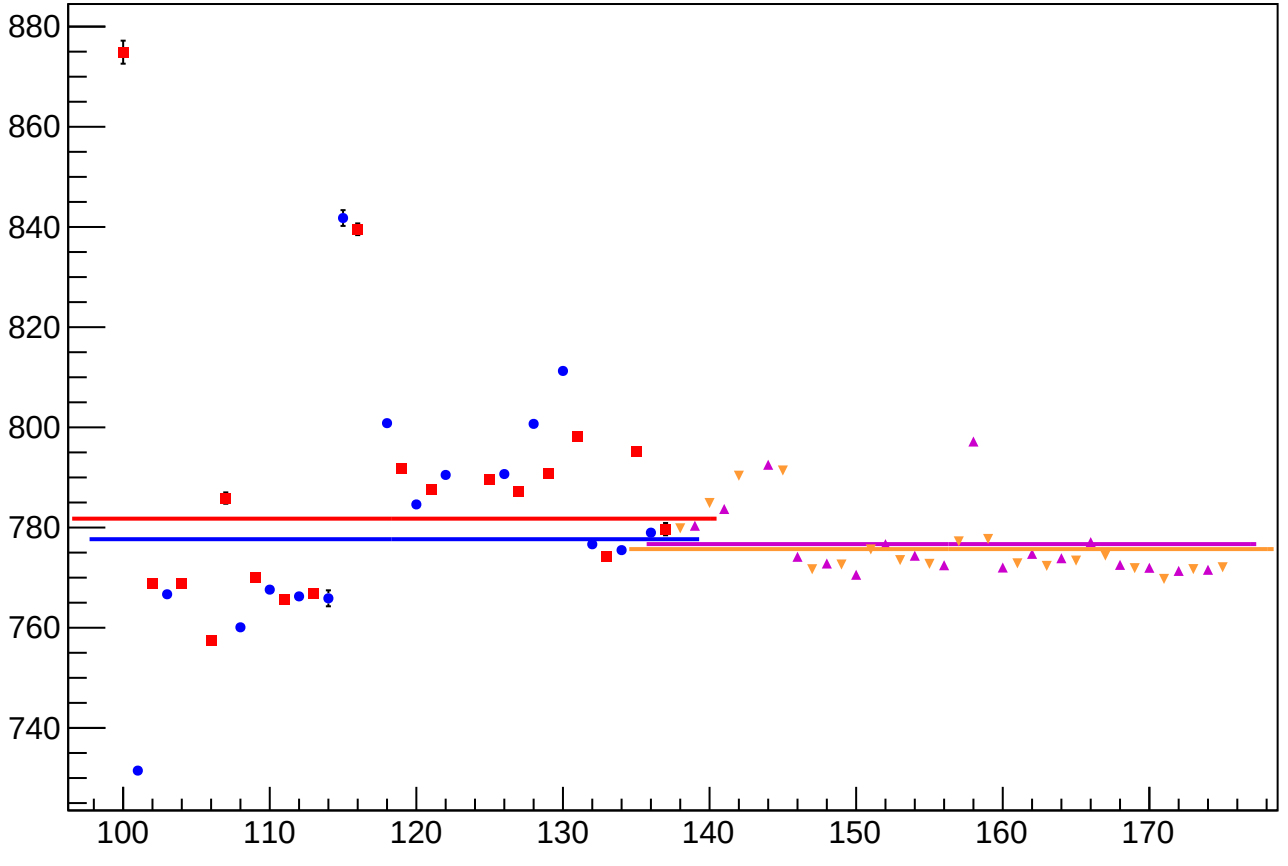
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.116+/-165.191 χ^2/NDF:24.7/33

Out: -136.962+/-164.224 χ^2/NDF:26.9/36

All: -238.439+/-116.464 χ^2/NDF: 52.4/70

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

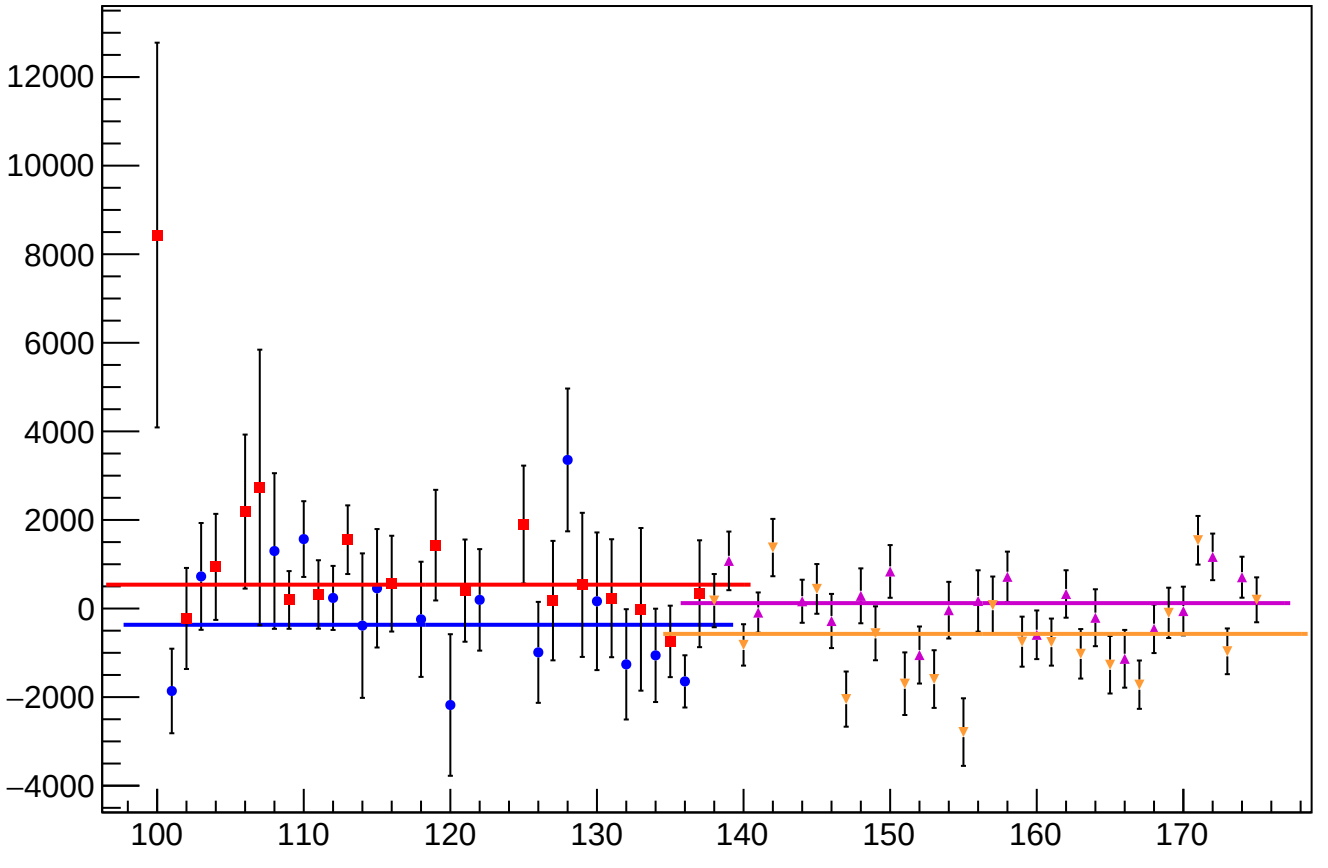
Left: 776.195+/-0.100 χ^2/NDF: 4308.4/36

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.017+/-0.117 χ^2/NDF:14724.7/33

Out: 777.675+/-0.116 χ^2/NDF:9856.9/36

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



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

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

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

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

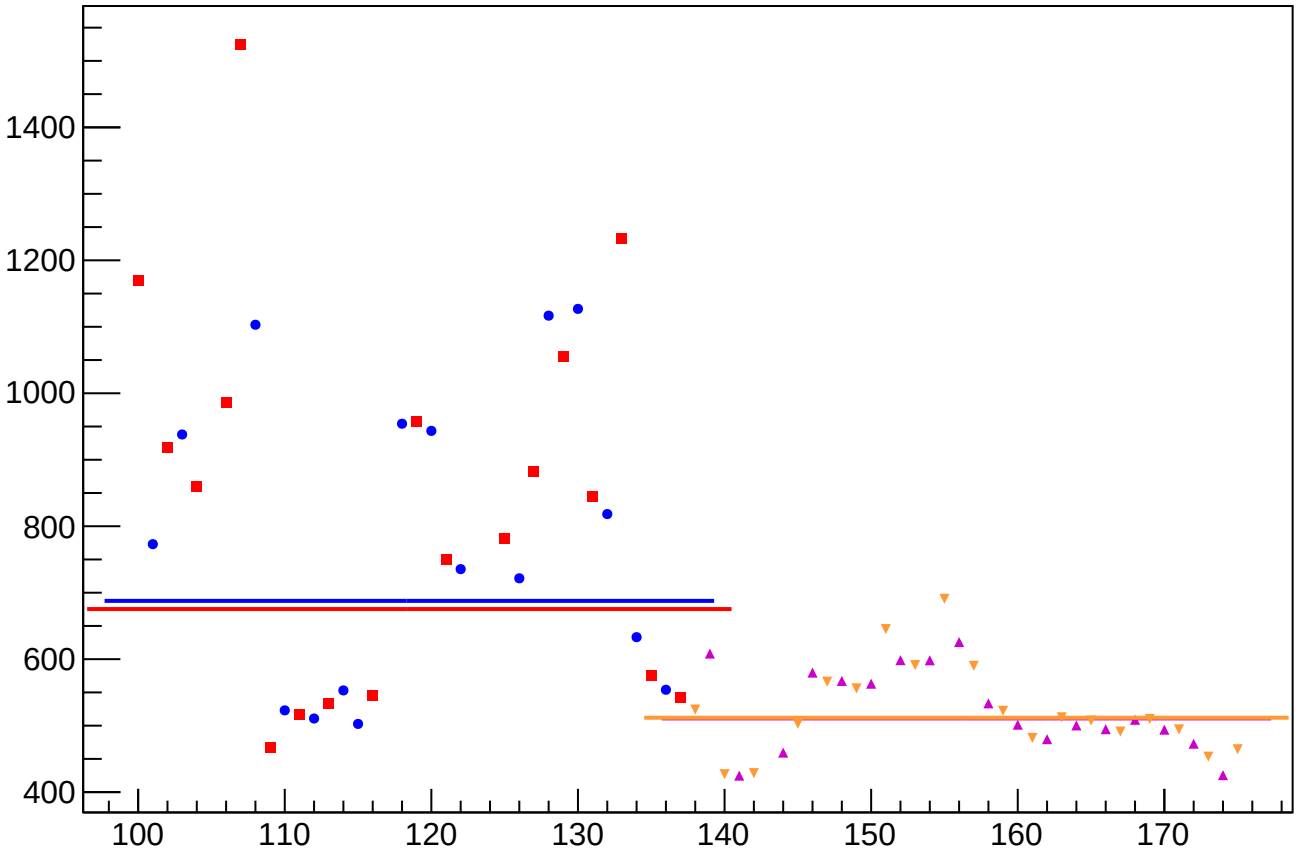
Left: -226.233+/-94.362 χ^2/NDF: 93.9/36

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 24.017+/-119.482 χ^2/NDF:47.3/33

Out: -345.454+/-118.857 χ^2/NDF:84.9/36

All: -161.687+/-84.265 χ^2/NDF: 137.0/70



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

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

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

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

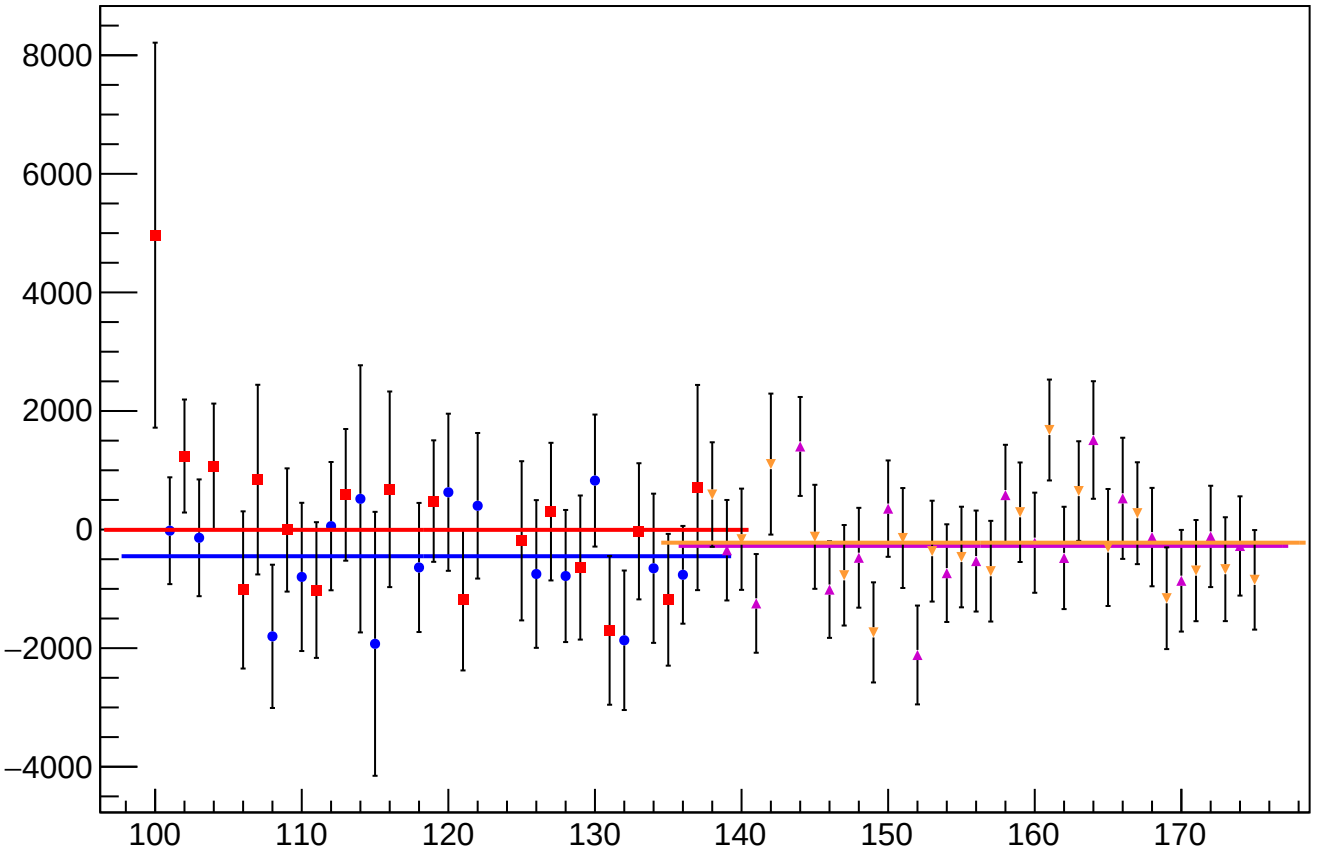
Left: 511.423+/-0.067 χ^2/NDF: 838886.6/36

Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 546.381+/-0.084 χ^2/NDF:2151833.7/33

Out: 545.360+/-0.084 χ^2/NDF:2349724.1/36

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



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

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

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

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

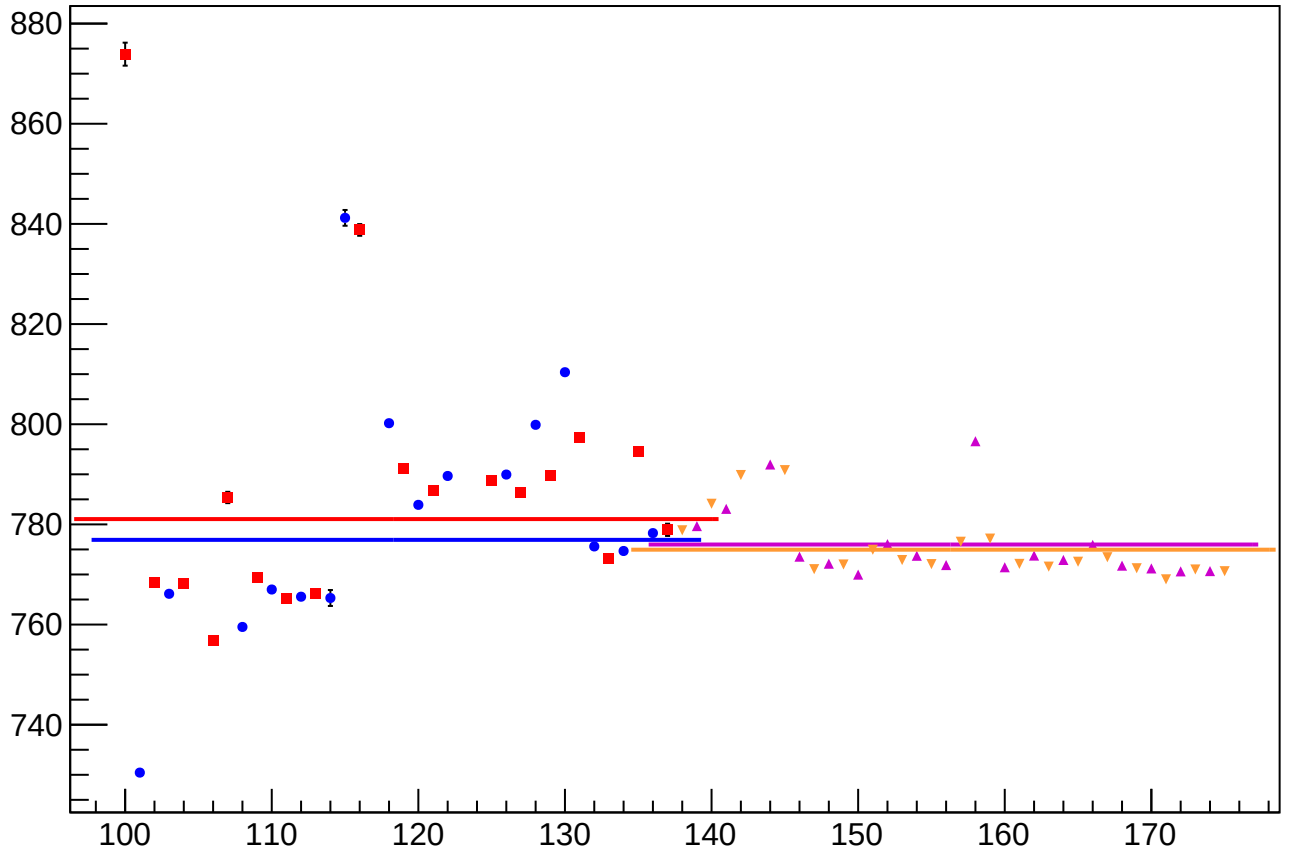
Left: -247.926+/-141.717 χ^2/NDF: 32.9/36

Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -332.129+/-165.036 χ^2/NDF:24.6/33

Out: -150.747+/-164.068 χ^2/NDF:27.5/36

All: -240.904+/-116.354 χ^2/NDF: 52.7/70



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

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

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

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

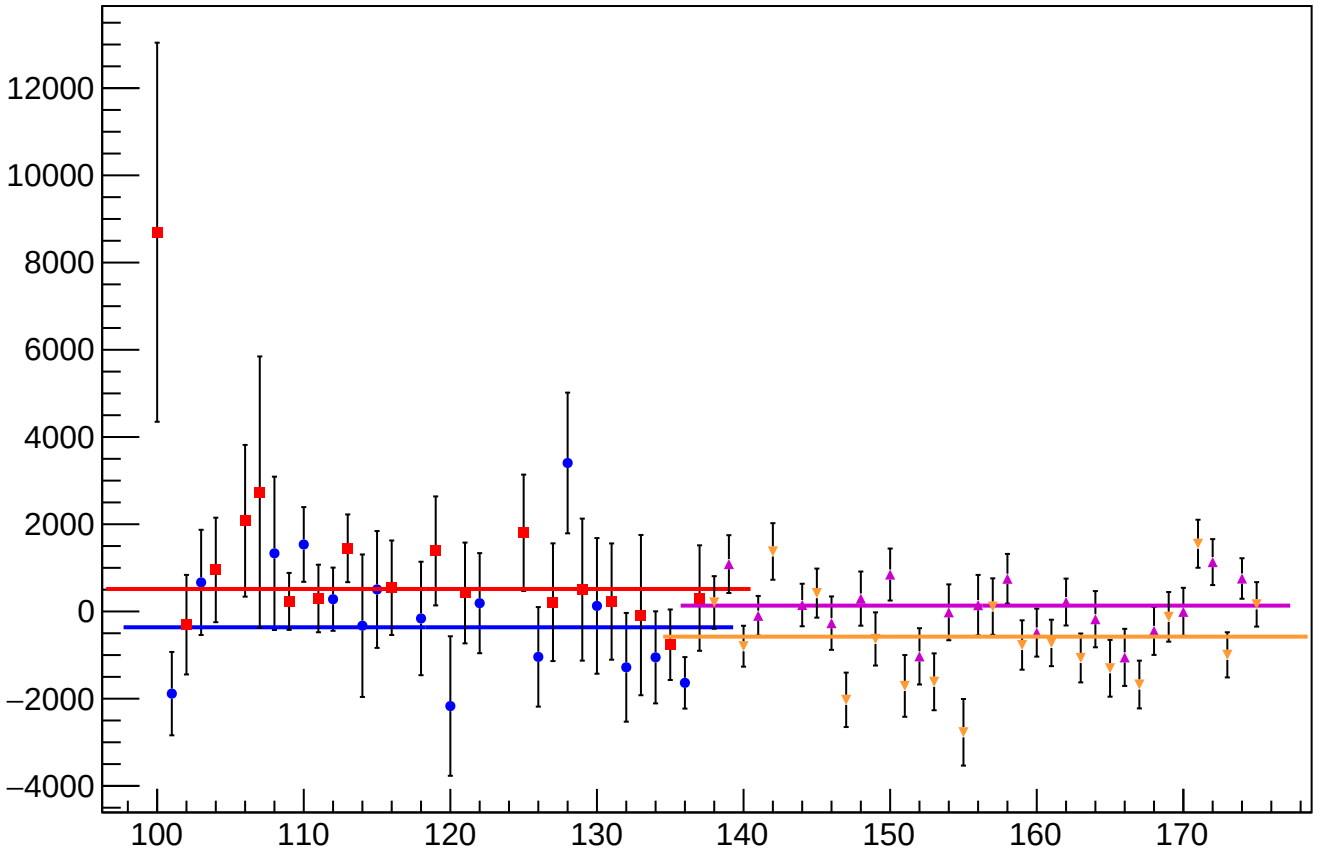
Left: 775.462+/-0.100 χ^2/NDF: 4380.7/36

Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 776.286+/-0.117 χ^2/NDF:14830.9/33

Out: 776.936+/-0.116 χ^2/NDF:9855.3/36

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



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

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

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

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

Left: -223.000+/-94.583 χ^2/NDF: 92.8/36

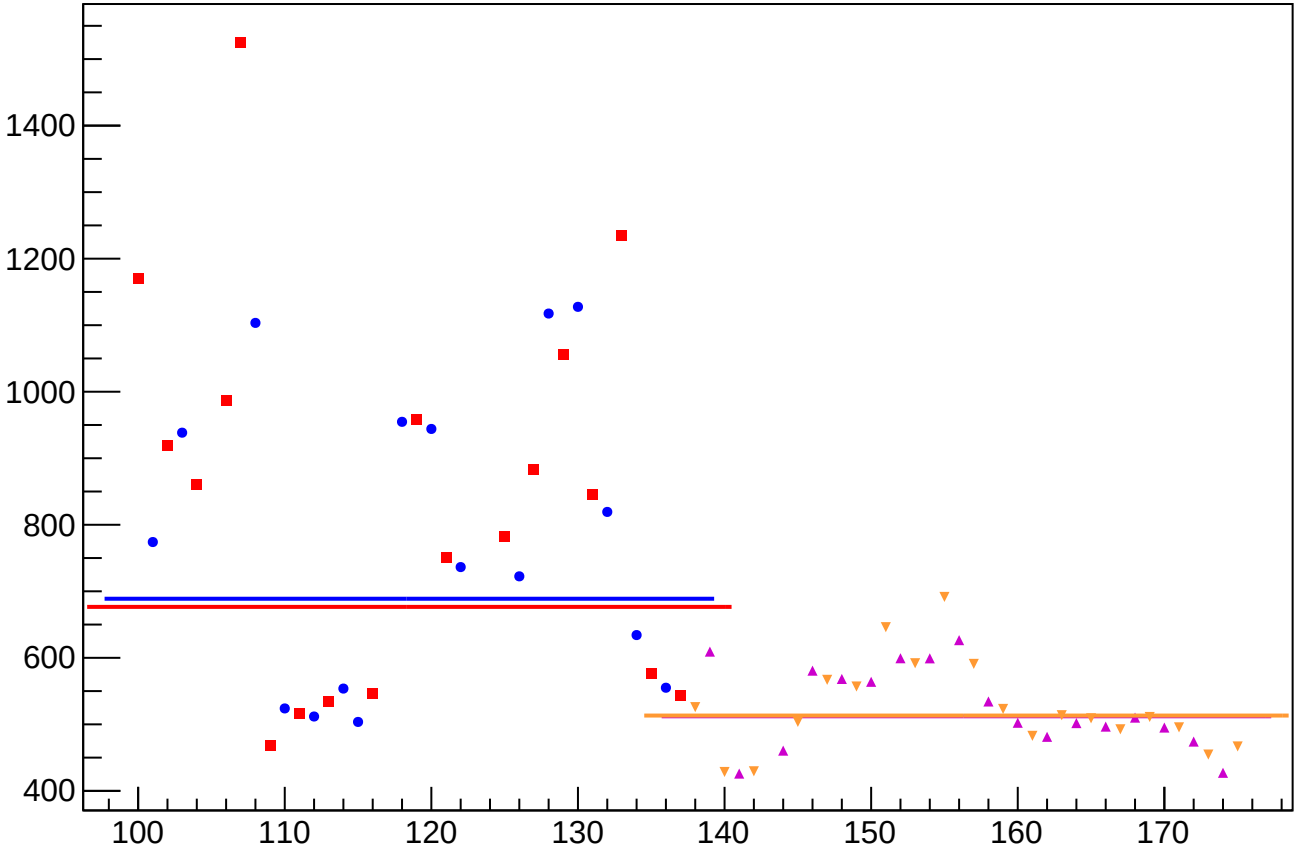
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: 34.067+/-119.736 χ^2/NDF:46.2/33

Out: -354.130+/-119.120 χ^2/NDF:83.7/36

All: -161.033+/-84.448 χ^2/NDF: 135.2/70

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 512.671+/-0.067 χ^2/NDF: 830071.9/36

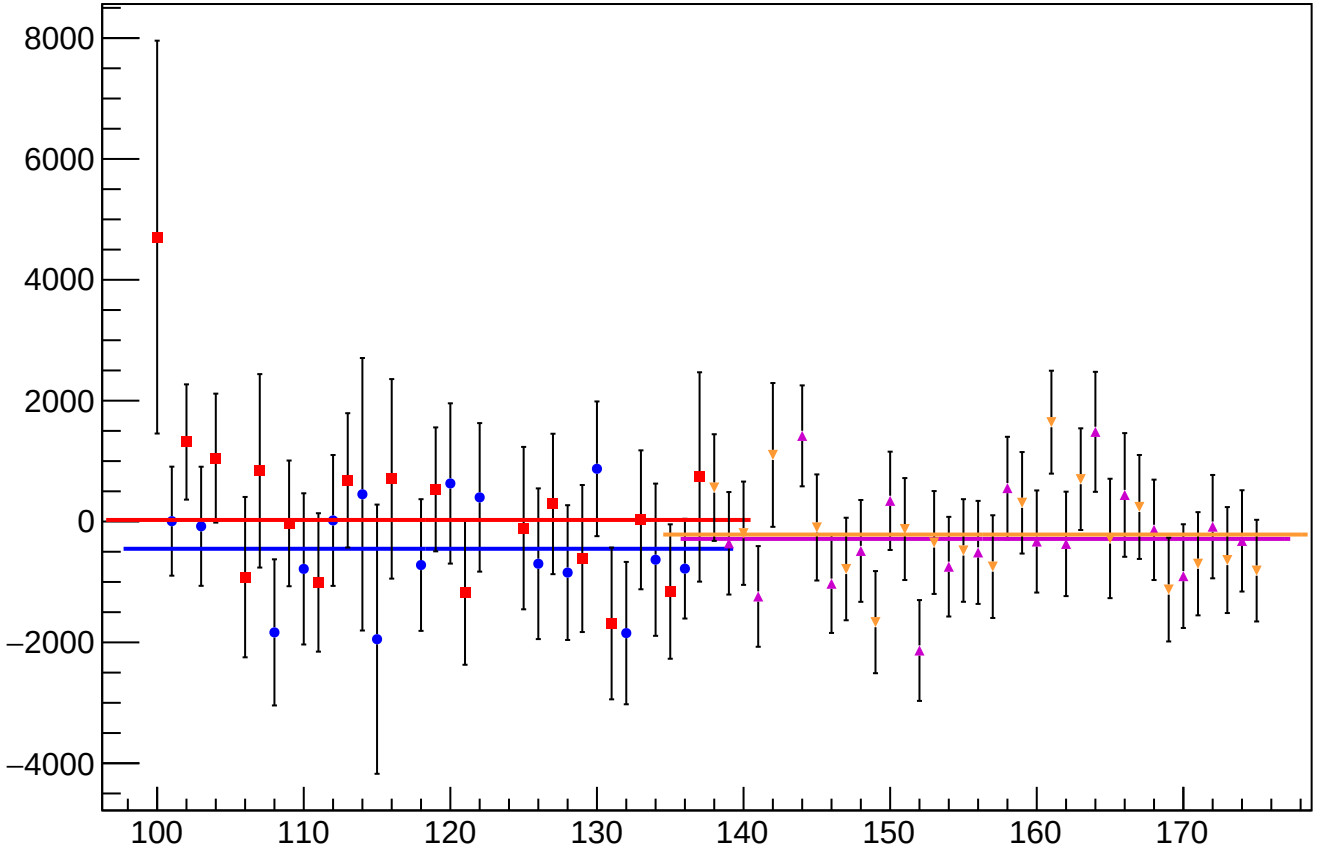
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 547.627+/-0.085 χ^2/NDF:2140531.3/33

Out: 546.661+/-0.084 χ^2/NDF:2337391.6/36

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

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

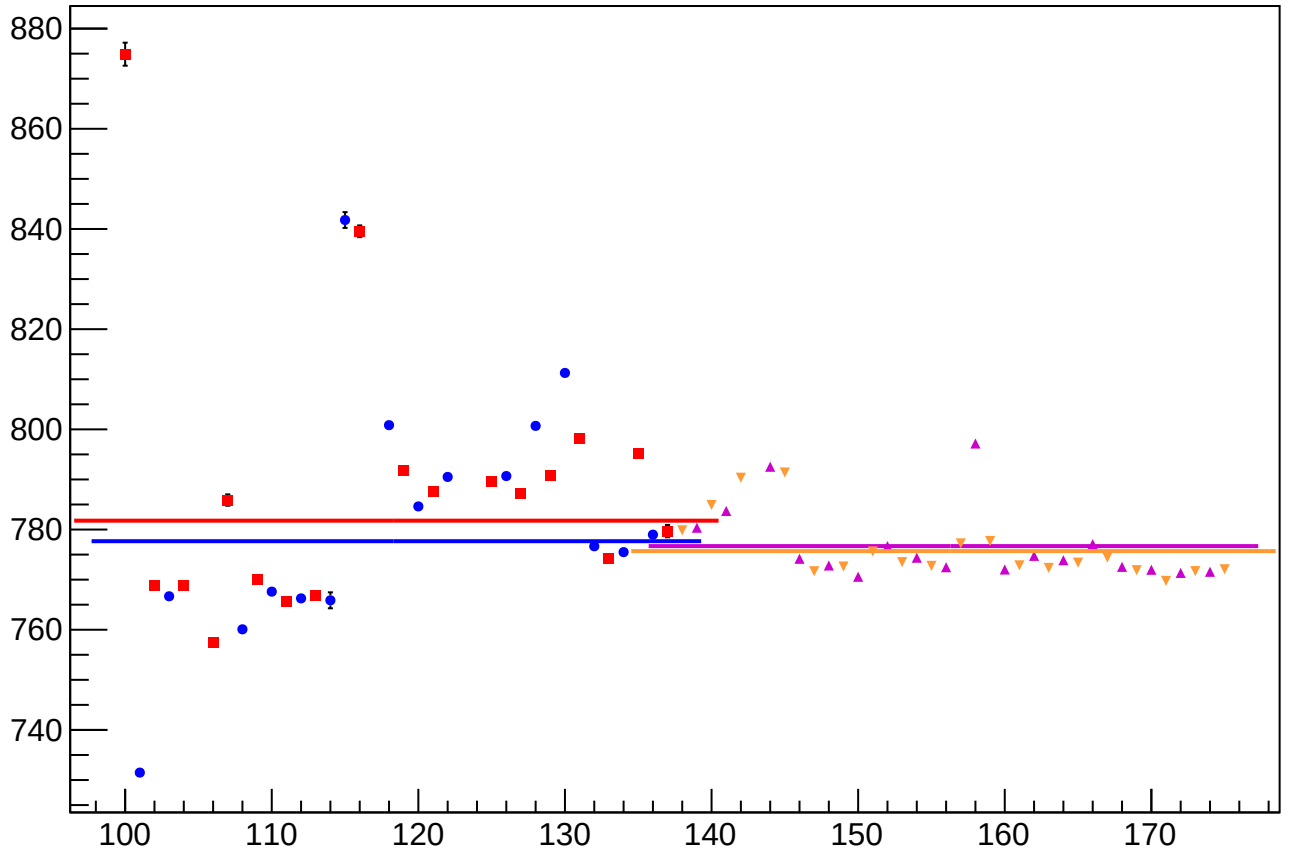
Left: -251.363+/-141.850 χ^2/NDF: 32.3/36

Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.116+/-165.191 χ^2/NDF:24.7/33

Out: -136.962+/-164.224 χ^2/NDF:26.9/36

All: -238.439+/-116.464 χ^2/NDF: 52.4/70



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

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

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

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

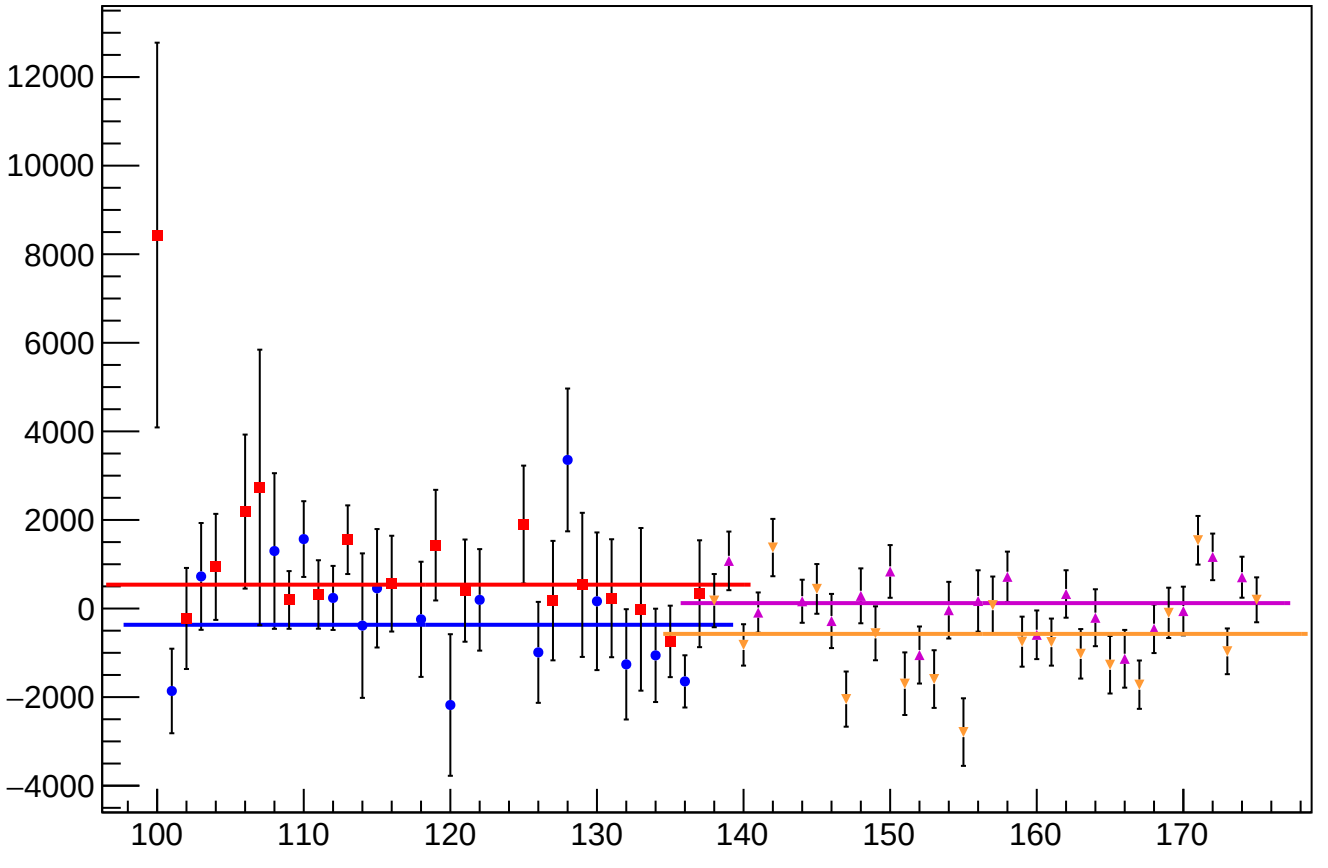
Left: 776.195+/-0.100 χ^2/NDF: 4308.4/36

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.017+/-0.117 χ^2/NDF:14724.7/33

Out: 777.675+/-0.116 χ^2/NDF:9856.9/36

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



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

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

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

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

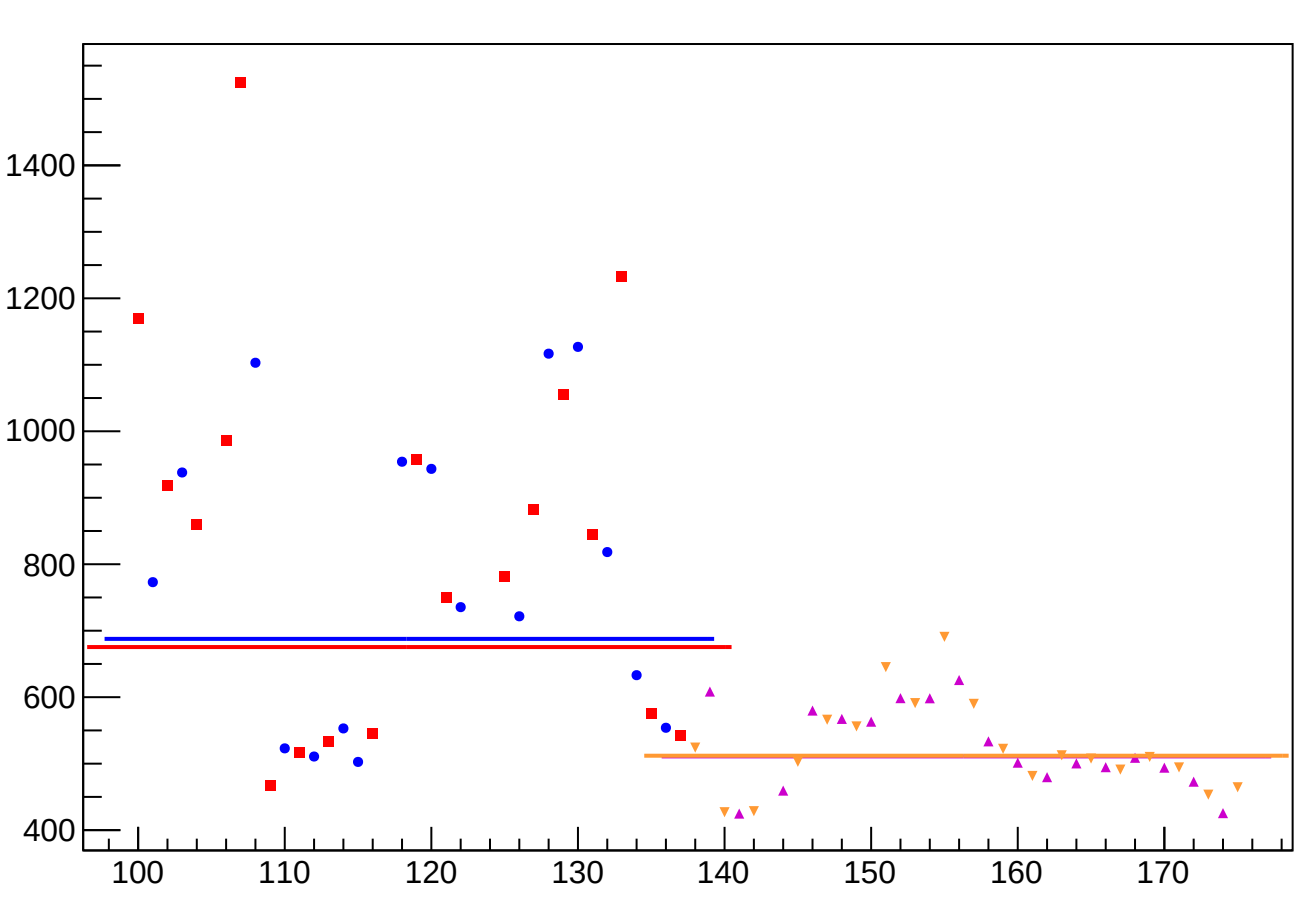
Left: -226.233+/-94.362 χ^2/NDF: 93.9/36

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 24.017+/-119.482 χ^2/NDF:47.3/33

Out: -345.454+/-118.857 χ^2/NDF:84.9/36

All: -161.687+/-84.265 χ^2/NDF: 137.0/70



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

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

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

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

Left: 511.423+/-0.067 χ^2/NDF: 838886.6/36

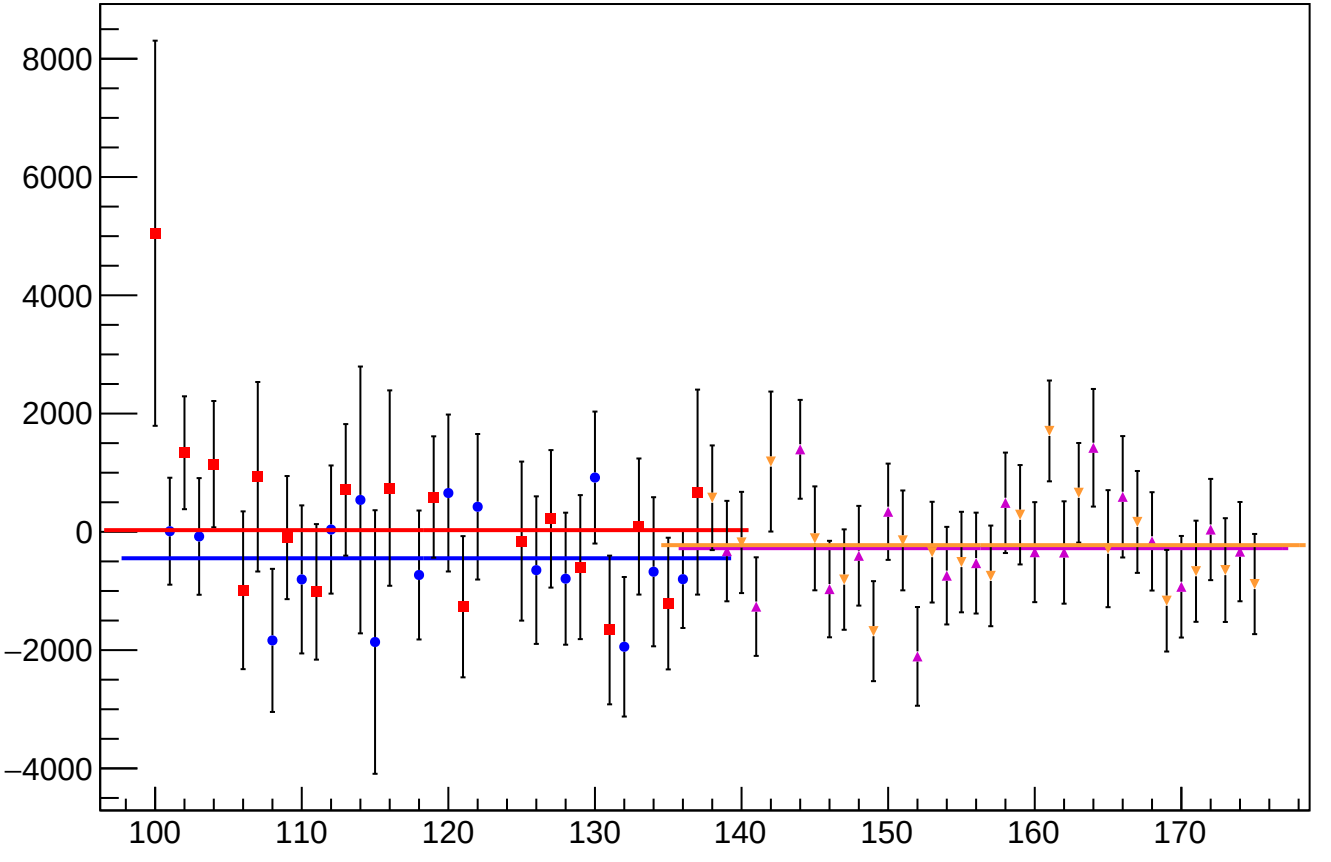
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 546.381+/-0.084 χ^2/NDF:2151833.7/33

Out: 545.360+/-0.084 χ^2/NDF:2349724.1/36

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

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: -250.336+/-142.007 χ^2/NDF: 32.5/36

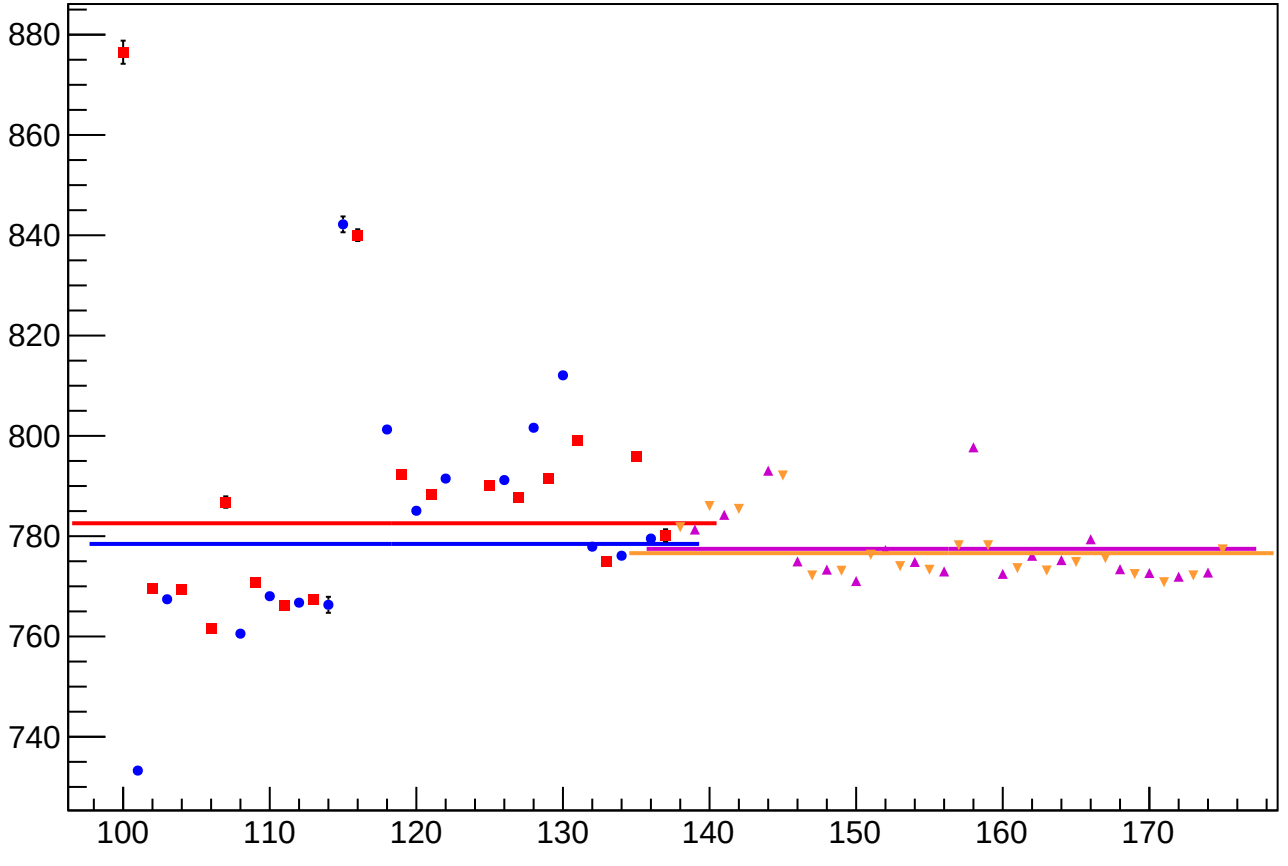
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -331.768+/-165.356 χ^2/NDF:24.7/33

Out: -142.536+/-164.411 χ^2/NDF:28.5/36

All: -236.610+/-116.589 χ^2/NDF: 53.8/70

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

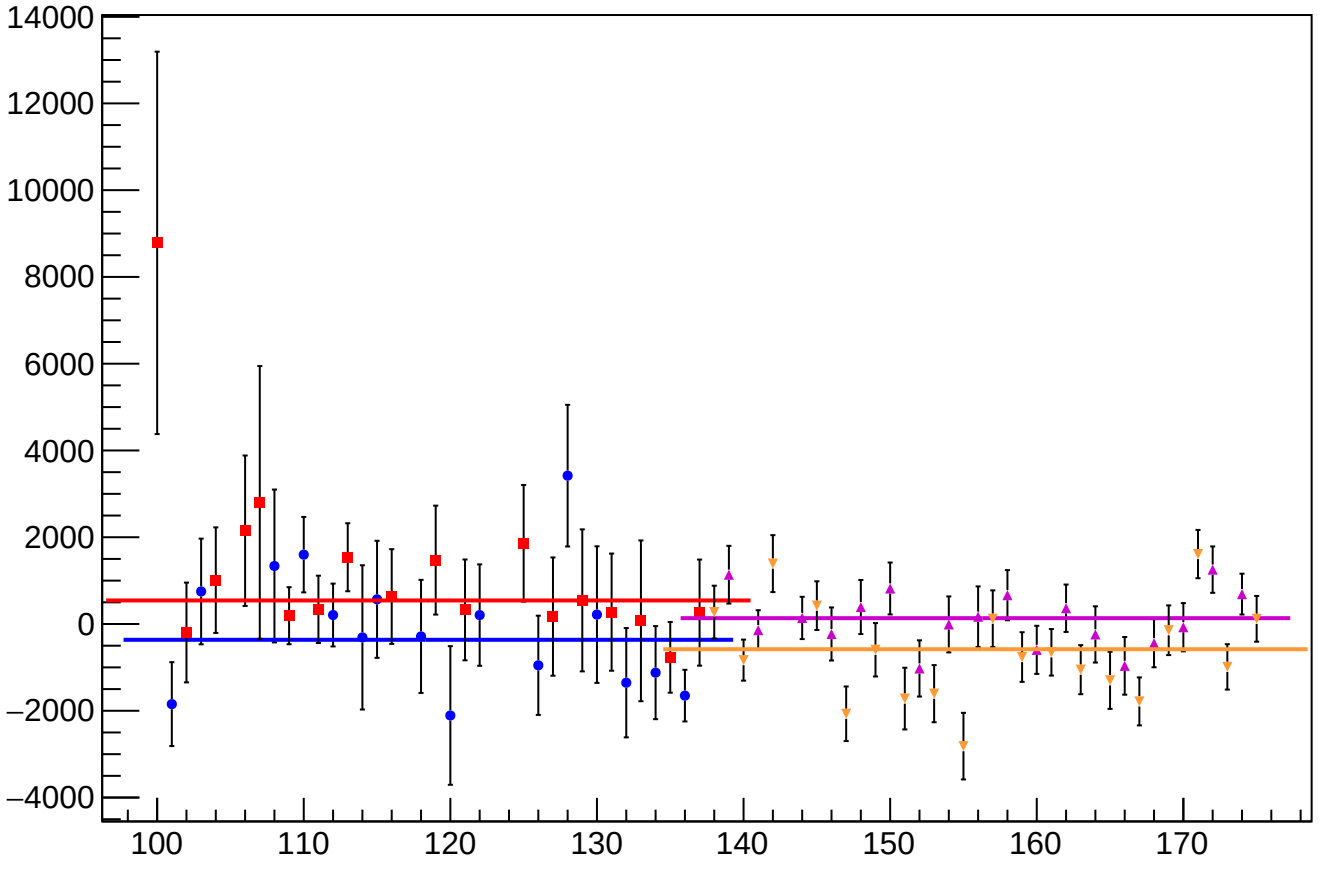
Left: 777.040+/-0.100 χ^2/NDF: 4095.5/36

Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

In: 777.794+/-0.117 χ^2/NDF:14433.7/33

Out: 778.551+/-0.116 χ^2/NDF:9512.6/36

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



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

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

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

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

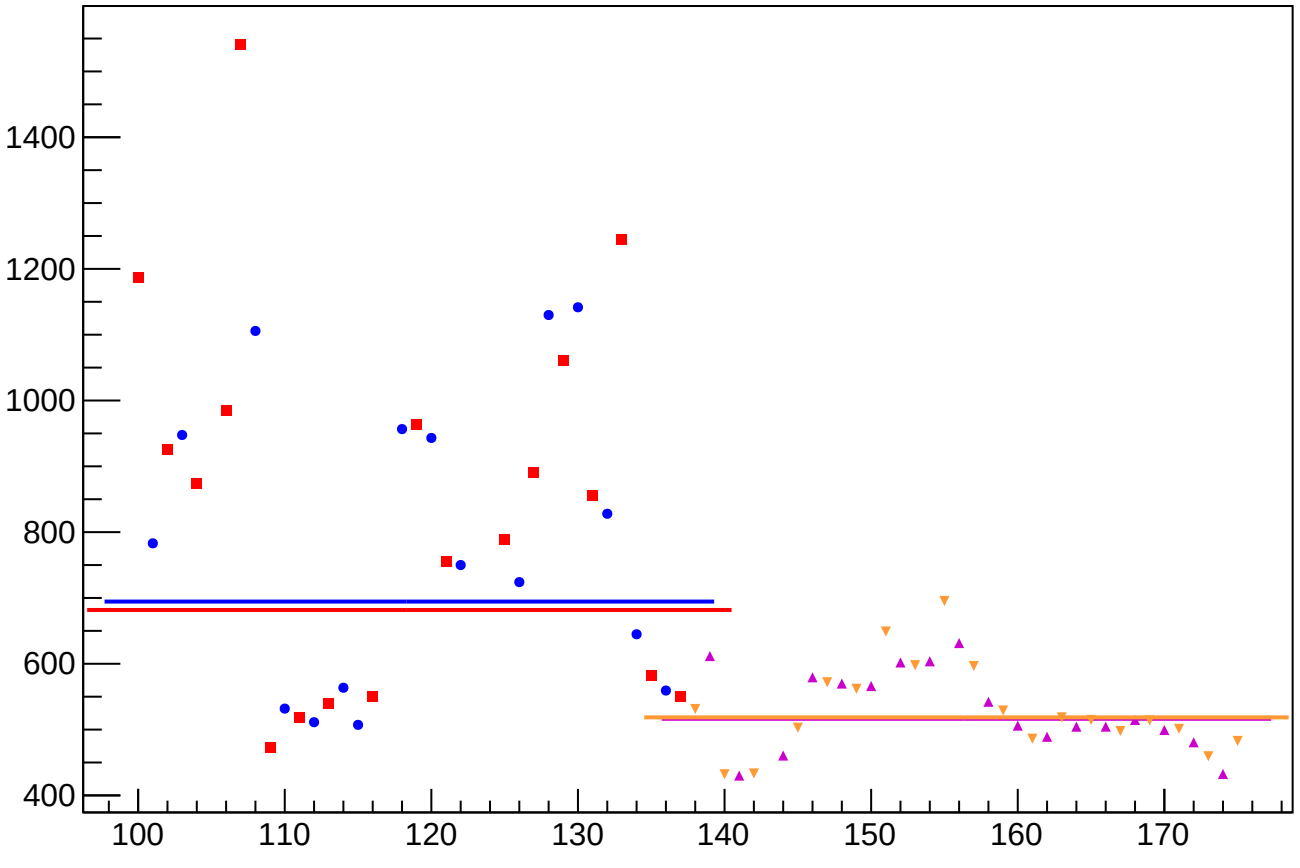
Left: -223.511+/-95.439 χ^2/NDF: 94.5/36

Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: 34.508+/-120.699 χ^2/NDF:46.6/33

Out: -350.160+/-120.262 χ^2/NDF:85.9/36

All: -158.523+/-85.192 χ^2/NDF: 137.6/70



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

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

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

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

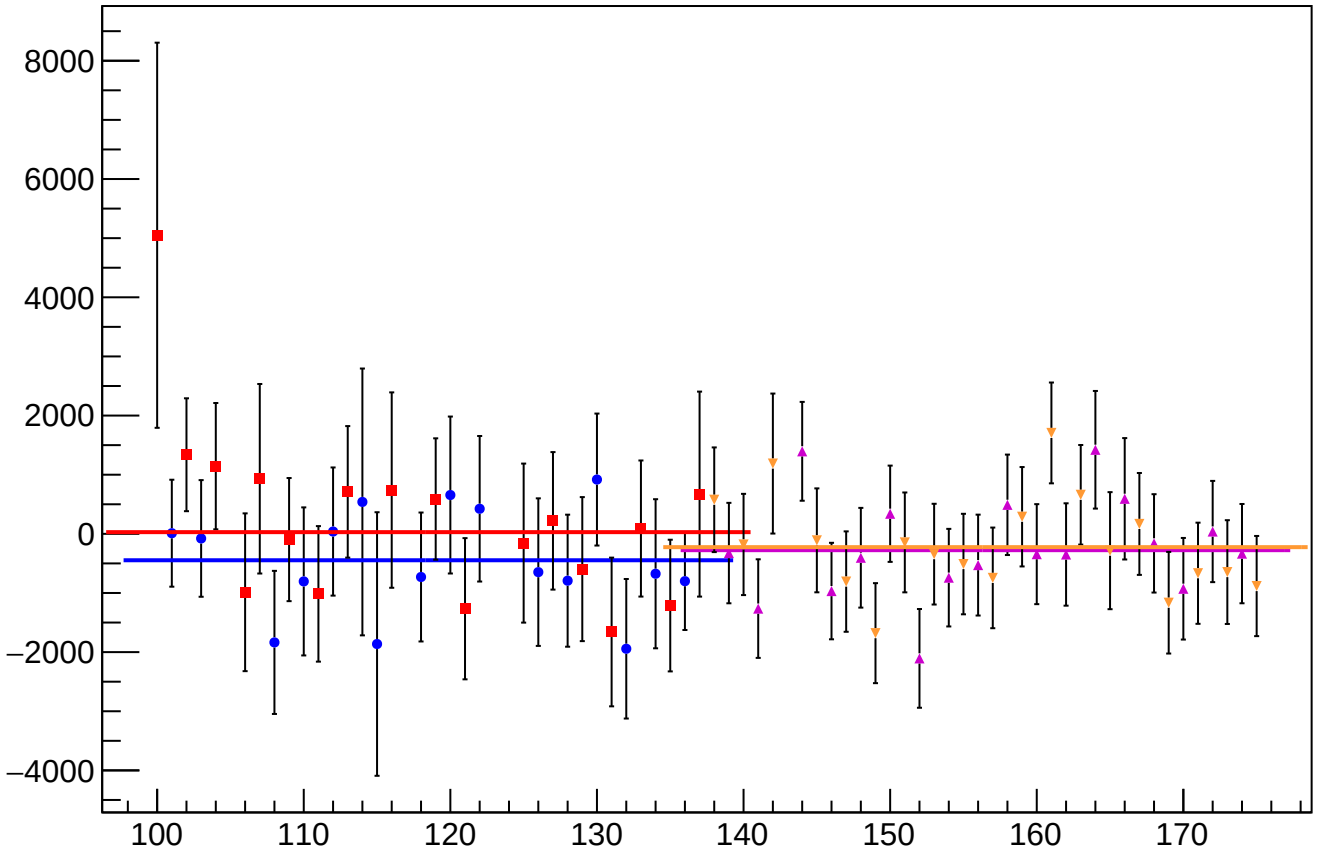
Left: 517.474+/-0.067 χ^2/NDF: 805263.0/36

Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 552.162+/-0.085 χ^2/NDF:2128250.2/33

Out: 552.103+/-0.085 χ^2/NDF:2318492.8/36

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



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

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

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

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

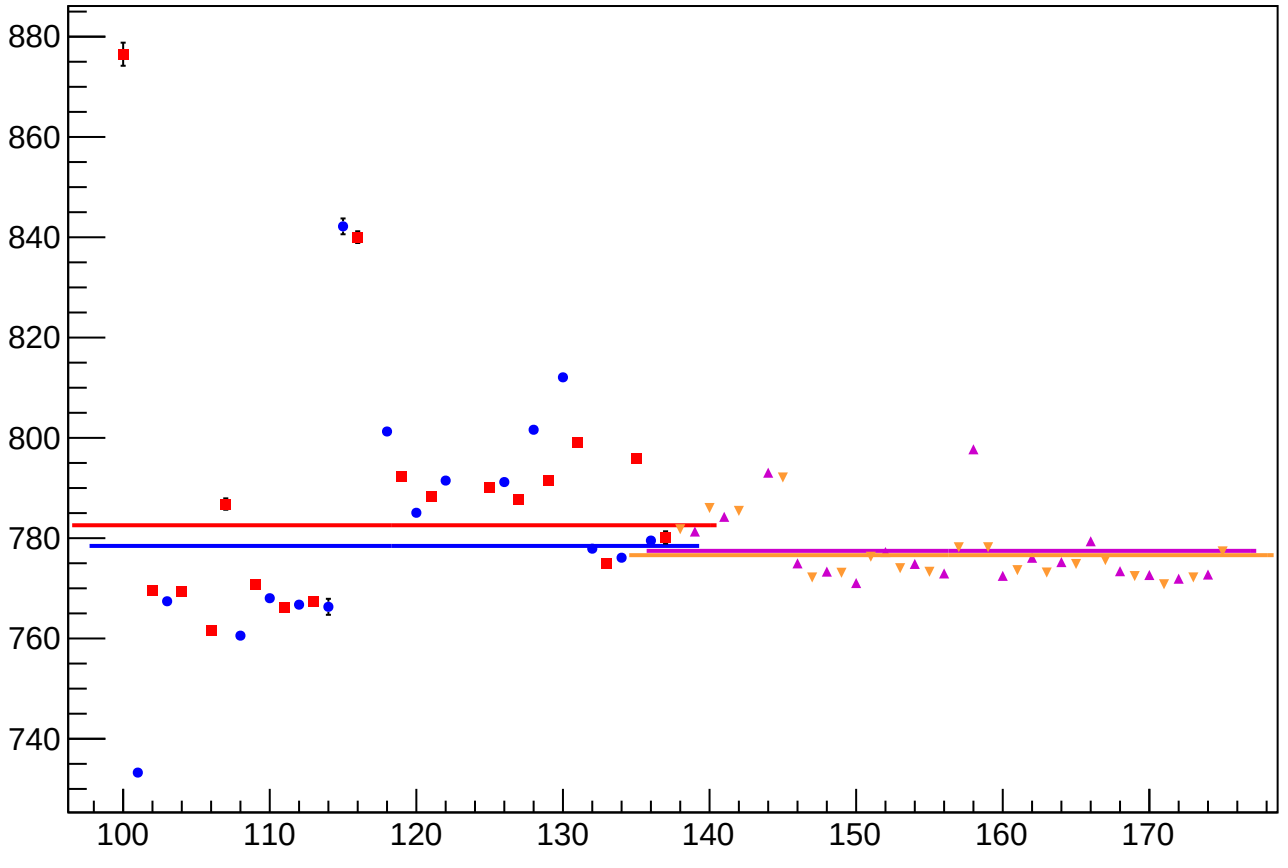
Left: -250.337+/-142.007 χ^2/NDF: 32.5/36

Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -331.768+/-165.356 χ^2/NDF:24.7/33

Out: -142.537+/-164.411 χ^2/NDF:28.5/36

All: -236.610+/-116.589 χ^2/NDF: 53.8/70



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

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

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

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

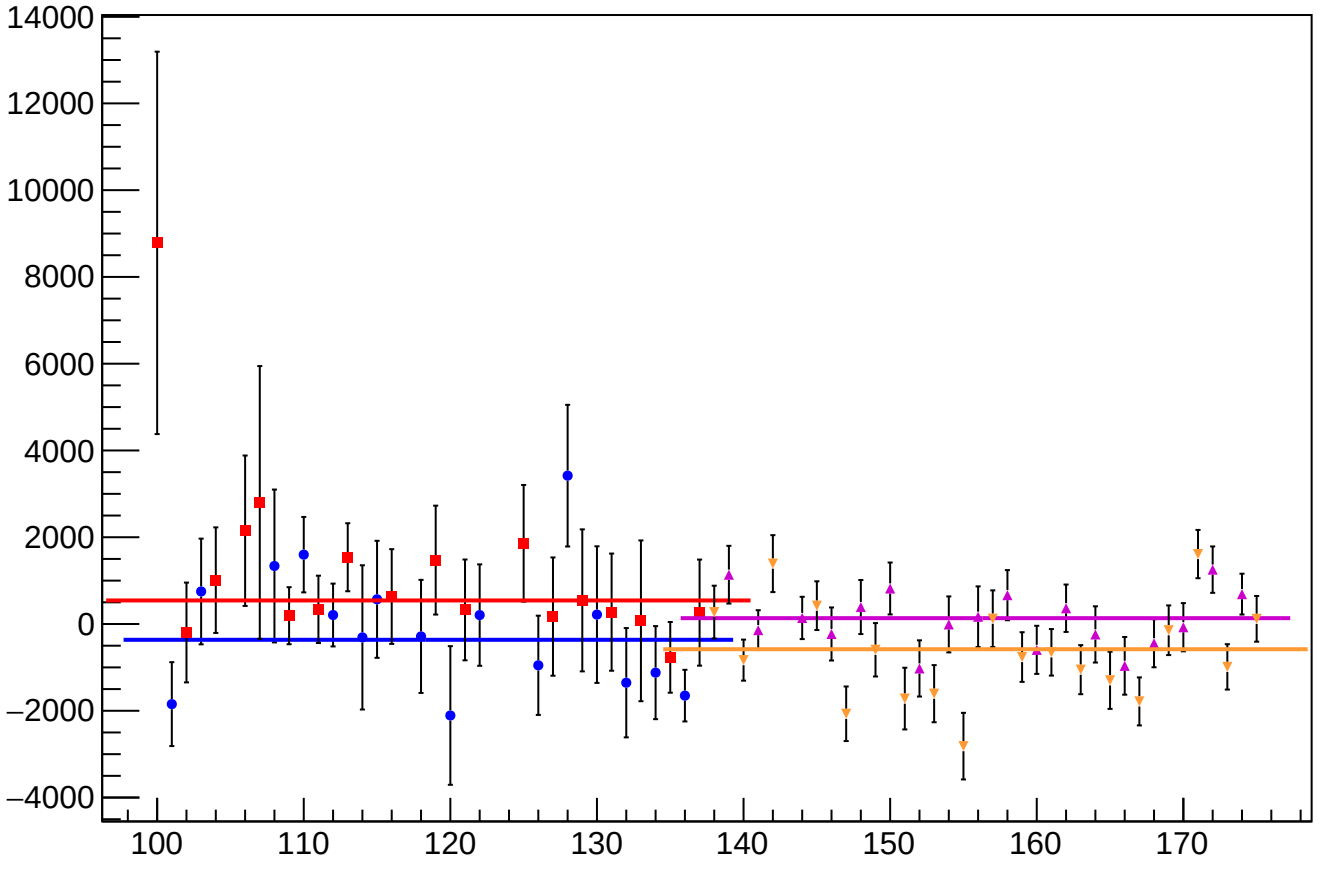
Left: 777.040+/-0.100 χ^2/NDF: 4095.5/36

Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 777.794+/-0.117 χ^2/NDF:14433.6/33

Out: 778.551+/-0.116 χ^2/NDF:9512.6/36

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



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

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

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

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

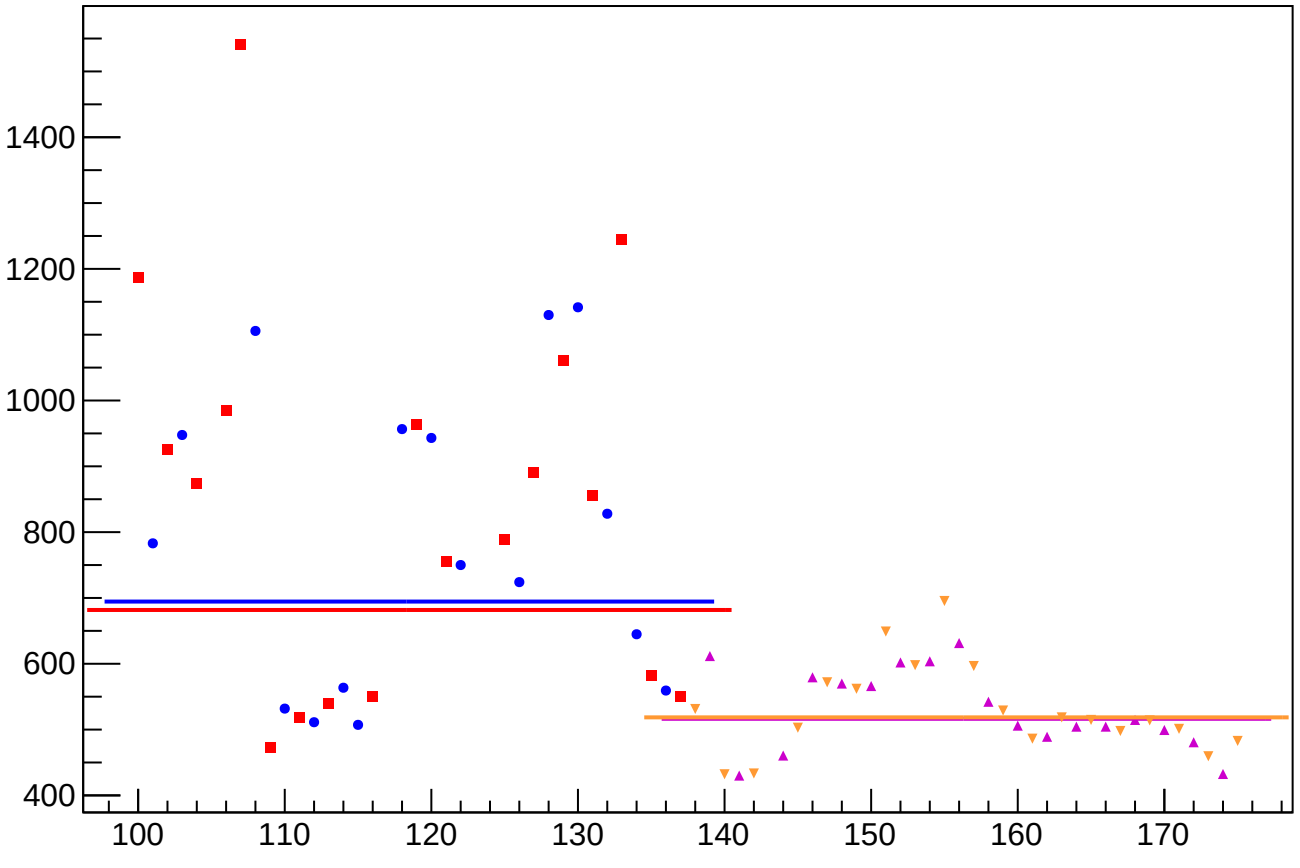
Left: -223.511+/-95.439 χ^2/NDF: 94.5/36

Right: 96.309+/-188.989 χ^2/NDF: 40.8/33

In: 34.508+/-120.699 χ^2/NDF:46.6/33

Out: -350.159+/-120.262 χ^2/NDF:85.9/36

All: -158.523+/-85.192 χ^2/NDF: 137.6/70



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

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

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

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

Left: 517.474+/-0.067 χ^2/NDF: 805287.5/36

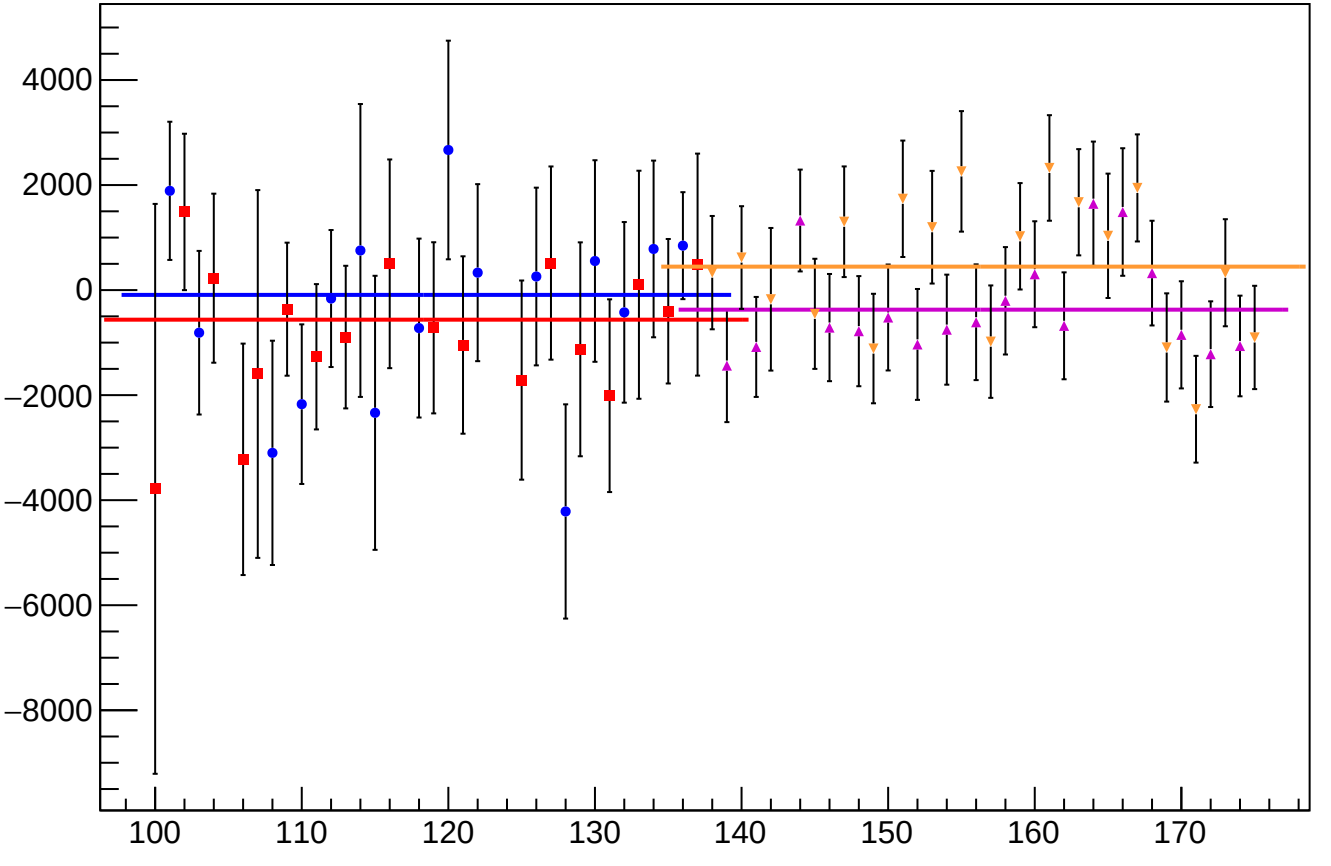
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 552.161+/-0.085 χ^2/NDF:2128251.5/33

Out: 552.103+/-0.085 χ^2/NDF:2318503.2/36

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

asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 38.936+/-171.827 χ^2/NDF: 47.9/36

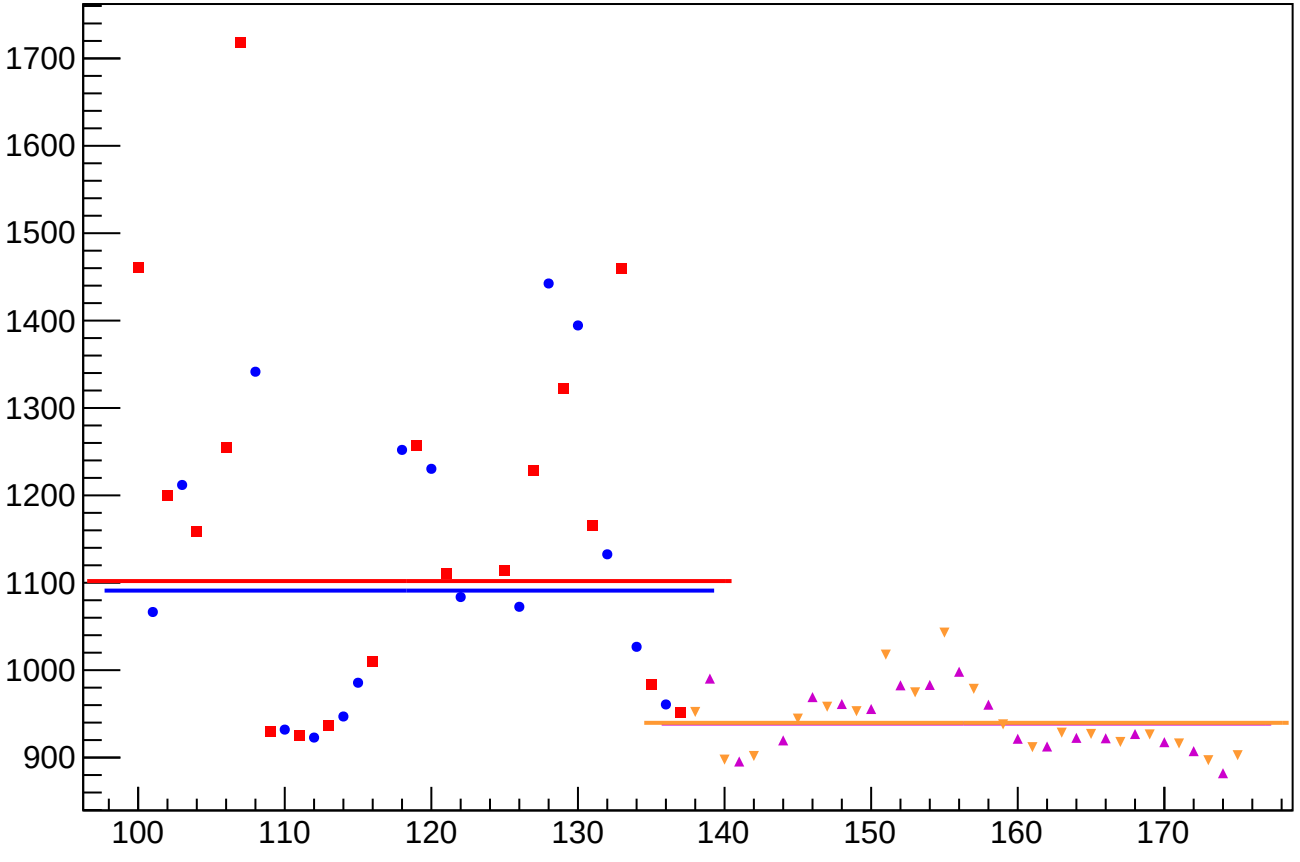
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -299.272+/-209.411 χ^2/NDF:28.1/33

Out: 186.490+/-208.875 χ^2/NDF:40.0/36

All: -55.769+/-147.886 χ^2/NDF: 70.7/70

asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

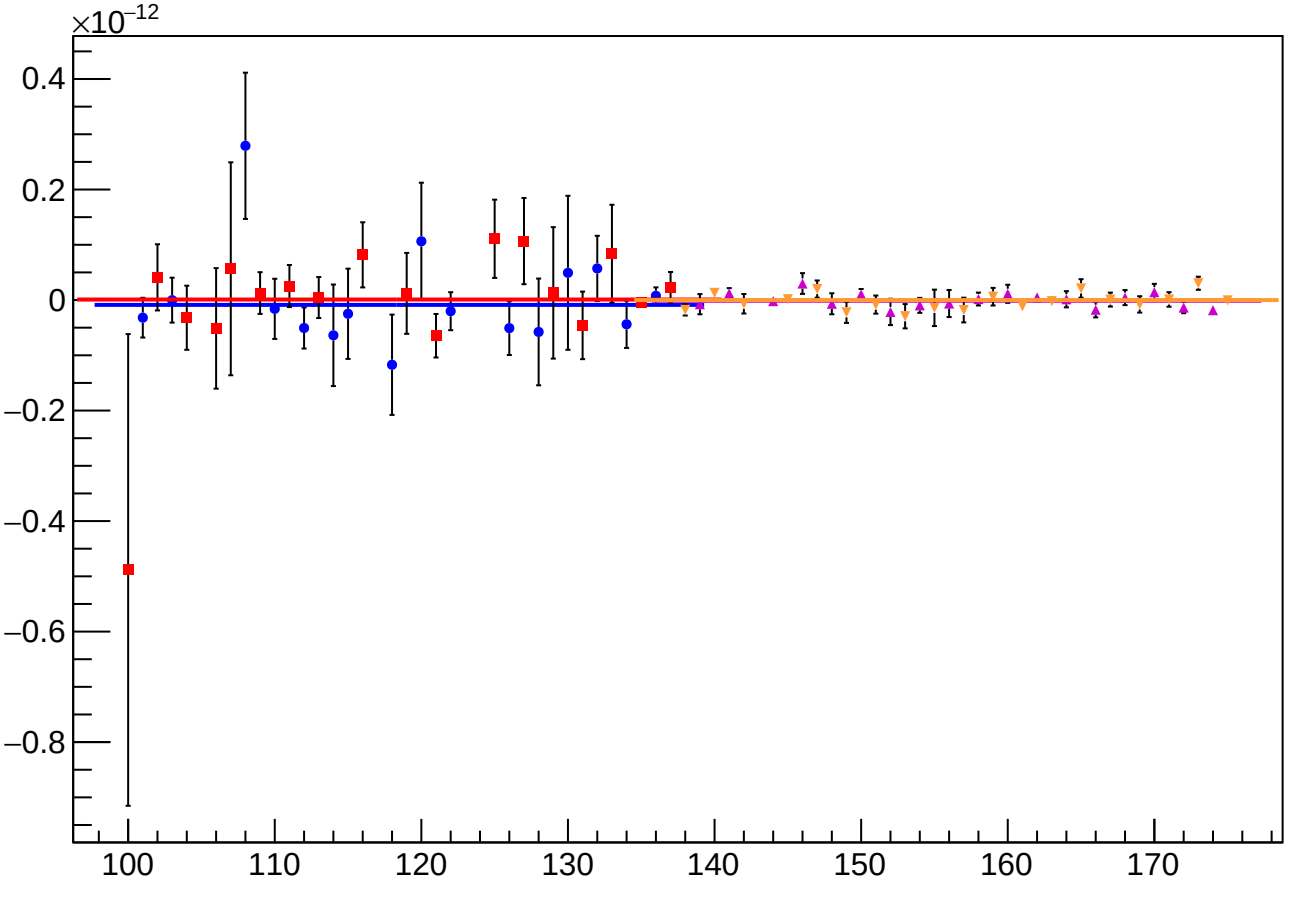
Left: 939.327+/-0.121 χ^2/NDF: 87359.3/36

Right: 1096.476+/-0.205 χ^2/NDF: 606118.2/33

In: 978.603+/-0.148 χ^2/NDF:520122.6/33

Out: 981.524+/-0.148 χ^2/NDF:606852.6/36

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



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

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

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

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

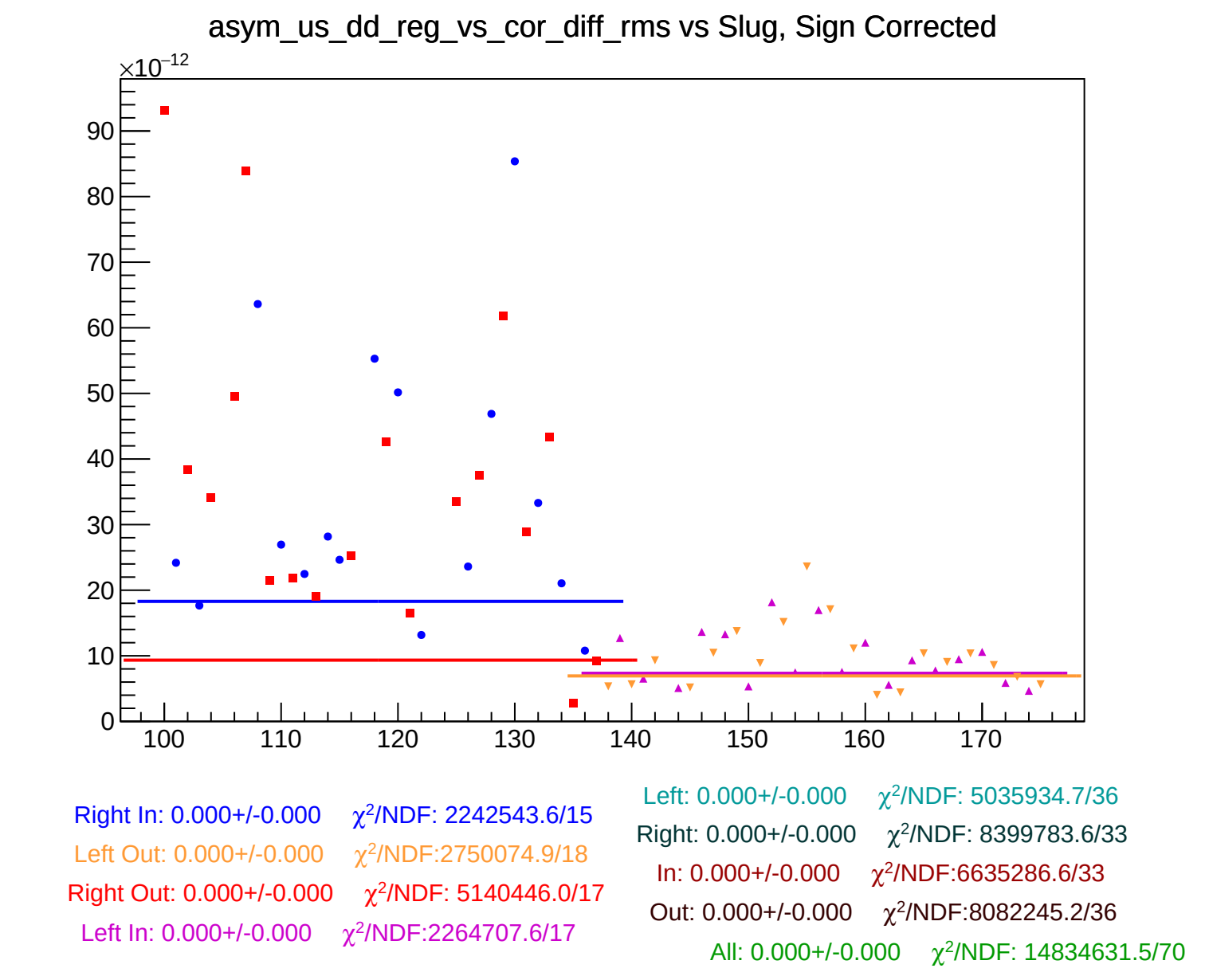
Left: -0.000+/-0.000 χ^2/NDF: 40.4/36

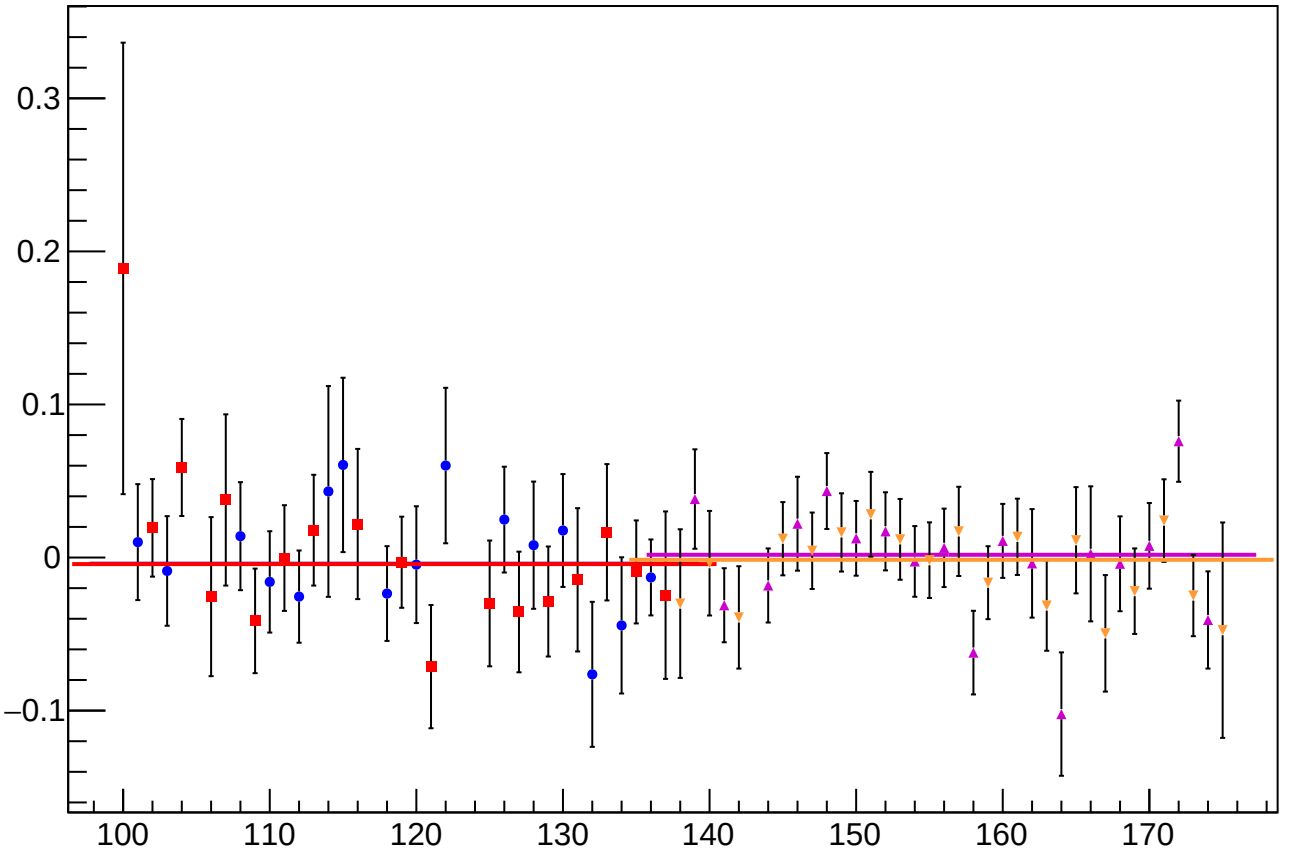
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:32.0/33

Out: 0.000+/-0.000 χ^2/NDF:36.9/36

All: -0.000+/-0.000 χ^2/NDF: 69.2/70


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2750074.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2264707.6/17
Left: 0.000+/-0.000 χ²/NDF: 5035934.7/36
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6635286.6/33
Out: 0.000+/-0.000 χ²/NDF:8082245.2/36
All: 0.000+/-0.000 χ²/NDF: 14834631.5/70



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

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

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

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

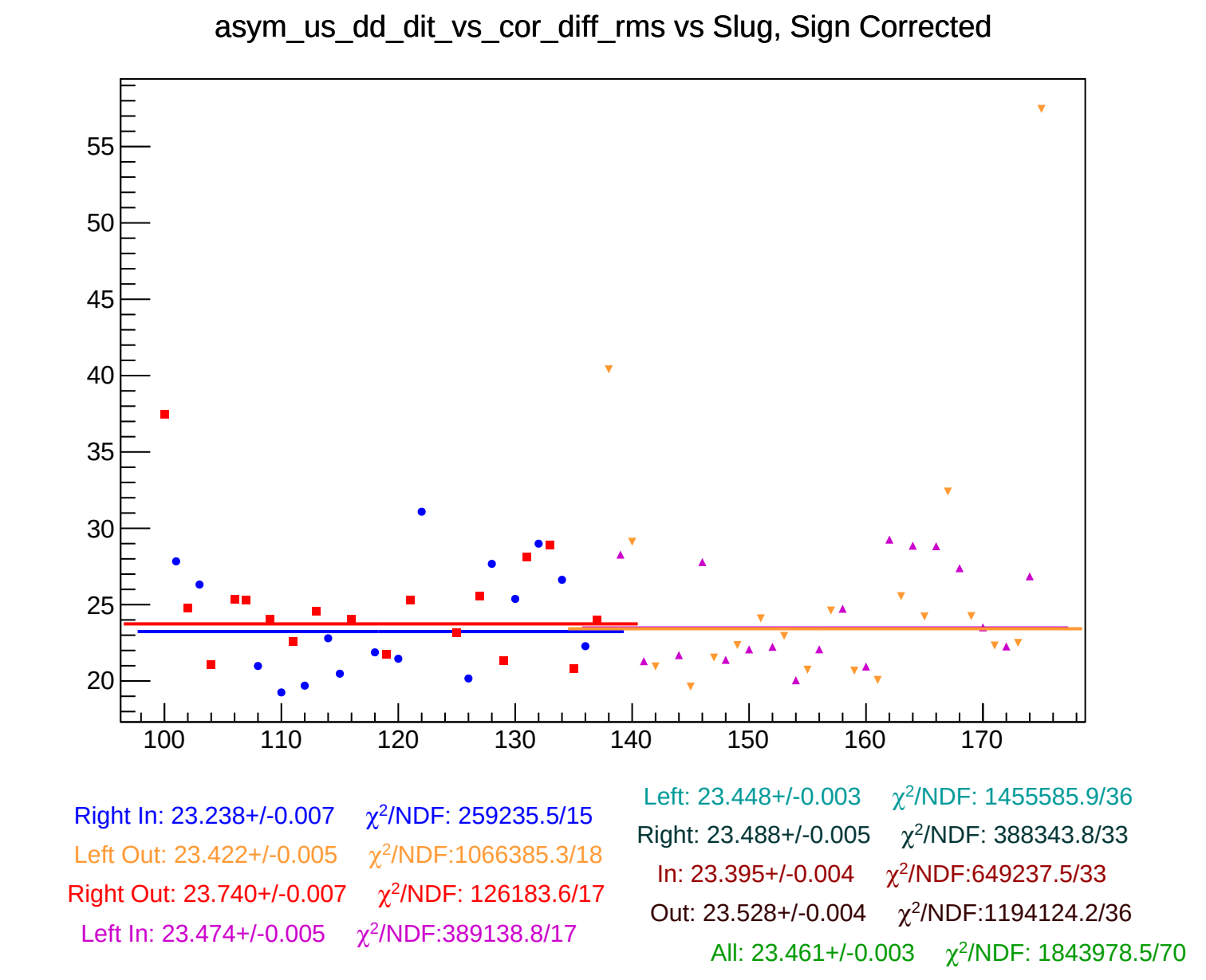
Left: 0.000+/-0.005 χ^2/NDF: 40.3/36

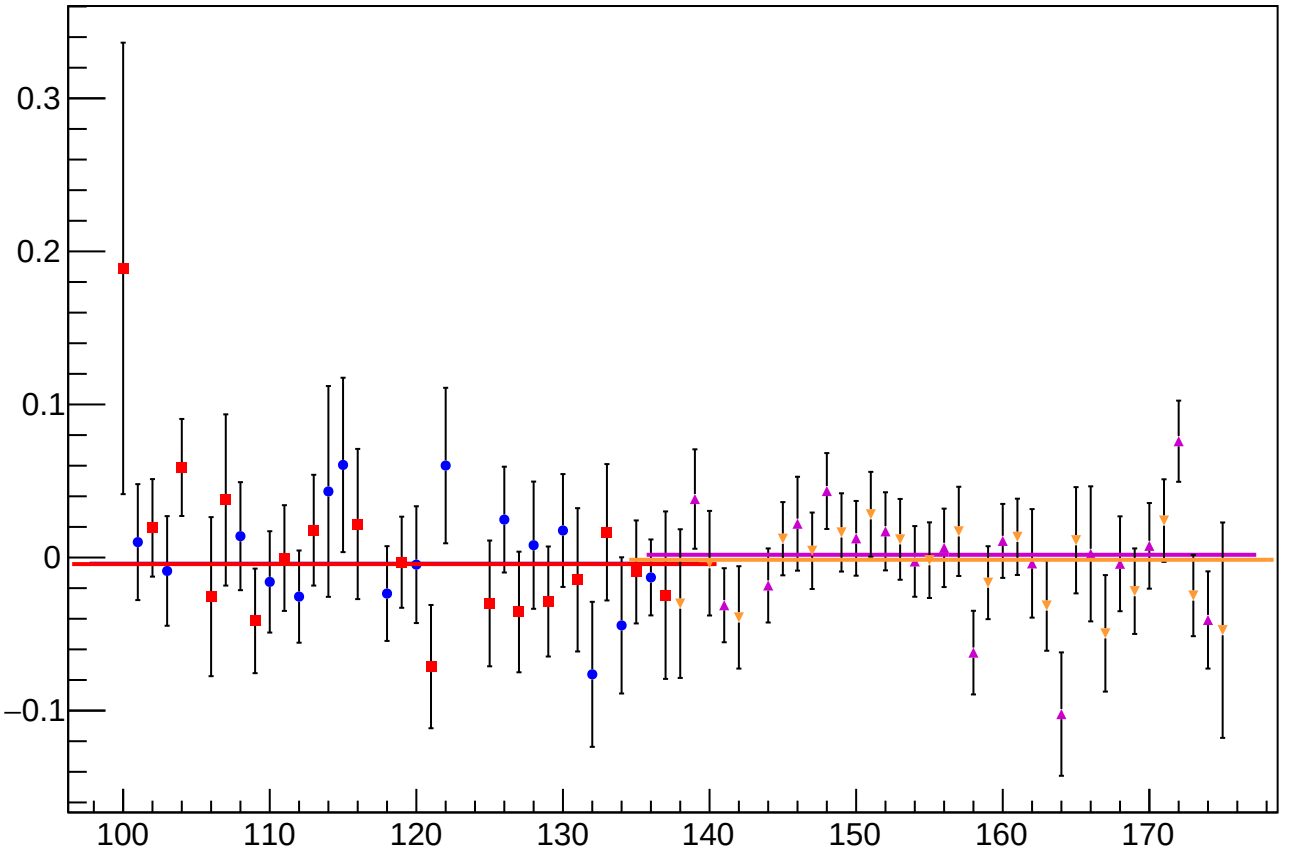
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 63.3/70


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.422+/-0.005 χ²/NDF:1066385.3/18
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.474+/-0.005 χ²/NDF:389138.8/17
Left: 23.448+/-0.003 χ²/NDF: 1455585.9/36
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.395+/-0.004 χ²/NDF:649237.5/33
Out: 23.528+/-0.004 χ²/NDF:1194124.2/36
All: 23.461+/-0.003 χ²/NDF: 1843978.5/70



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

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

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

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

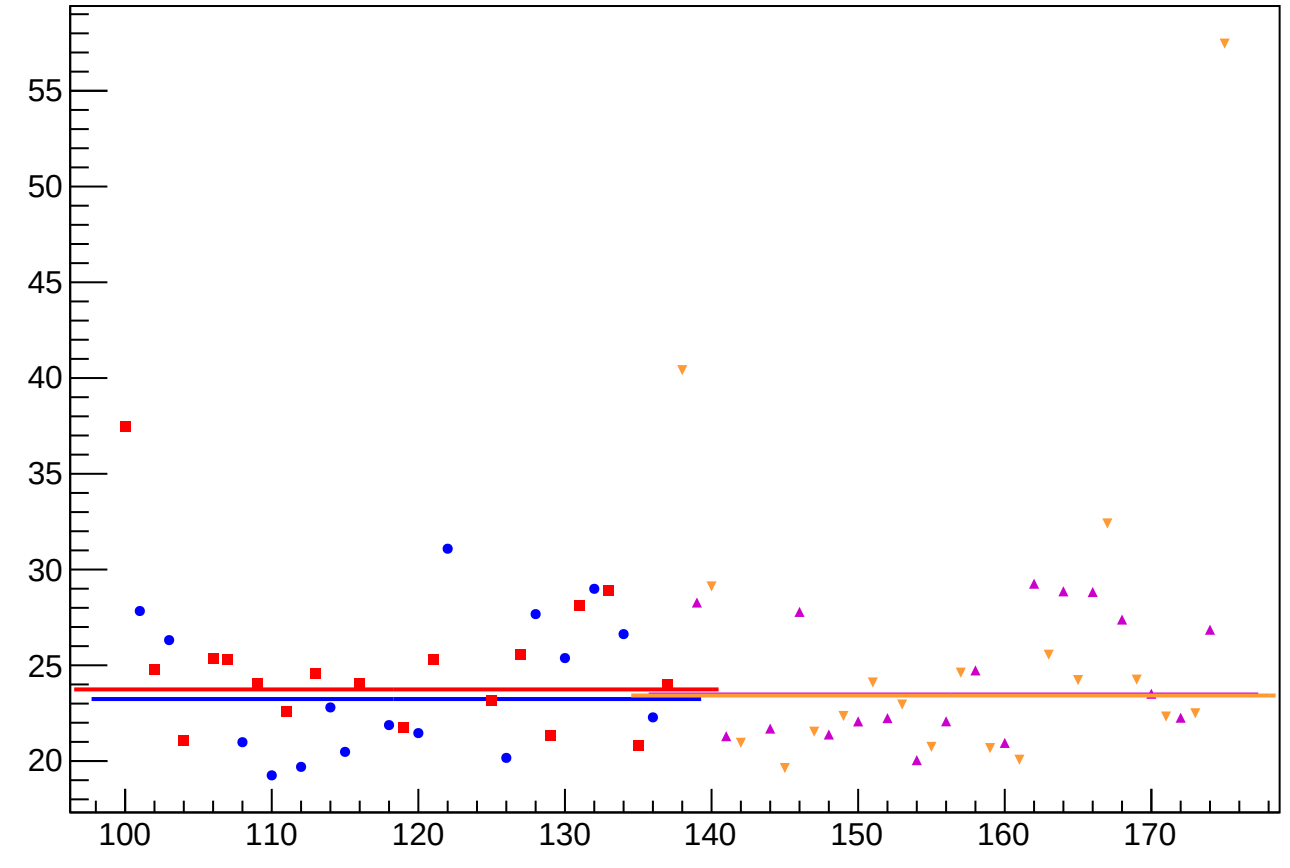
Left: 0.000+/-0.005 χ^2/NDF: 40.3/36

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 63.3/70



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

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

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

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

Left: 23.448+/-0.003 χ^2/NDF: 1455585.9/36

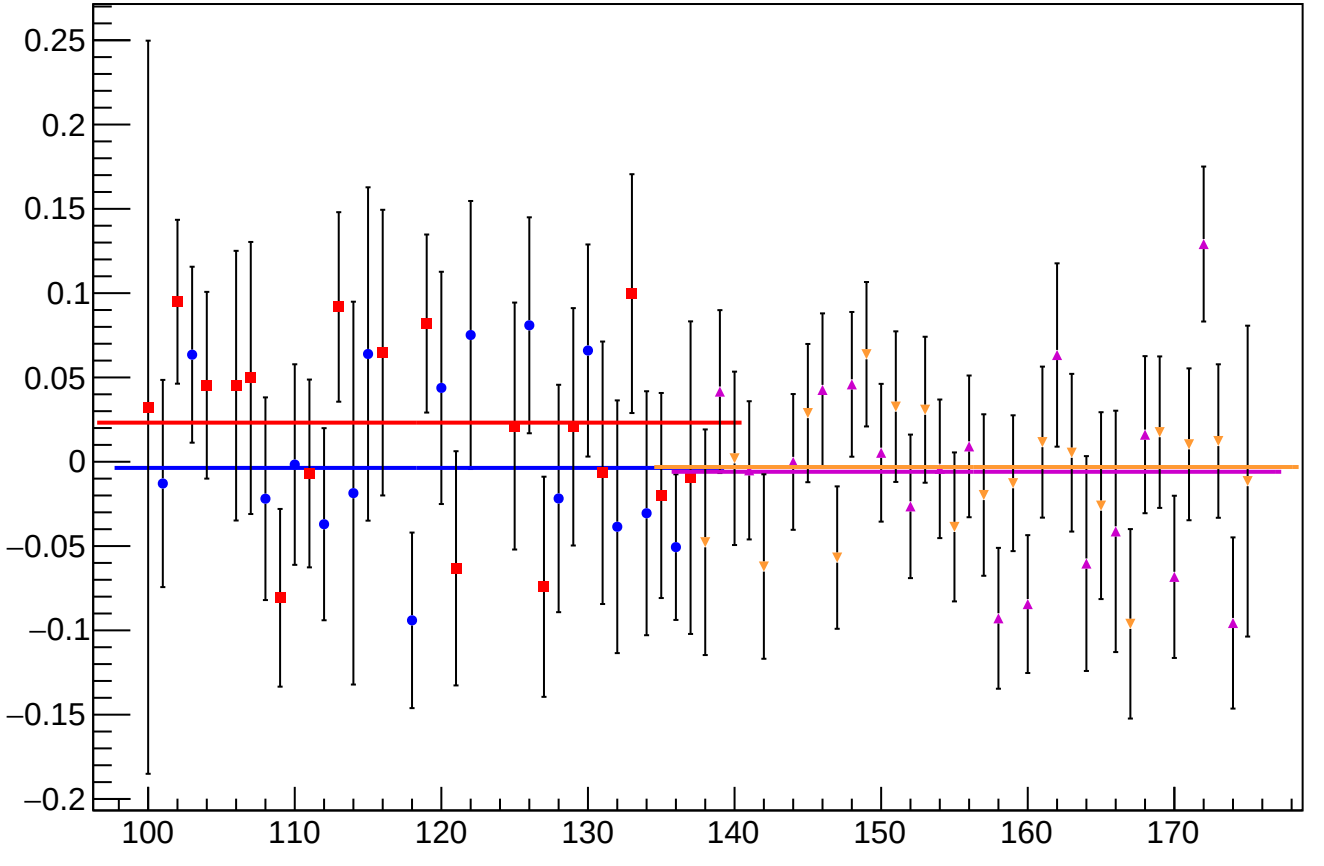
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.395+/-0.004 χ^2/NDF:649237.5/33

Out: 23.528+/-0.004 χ^2/NDF:1194124.2/36

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

Left: -0.005+/-0.008 χ^2/NDF: 40.2/36

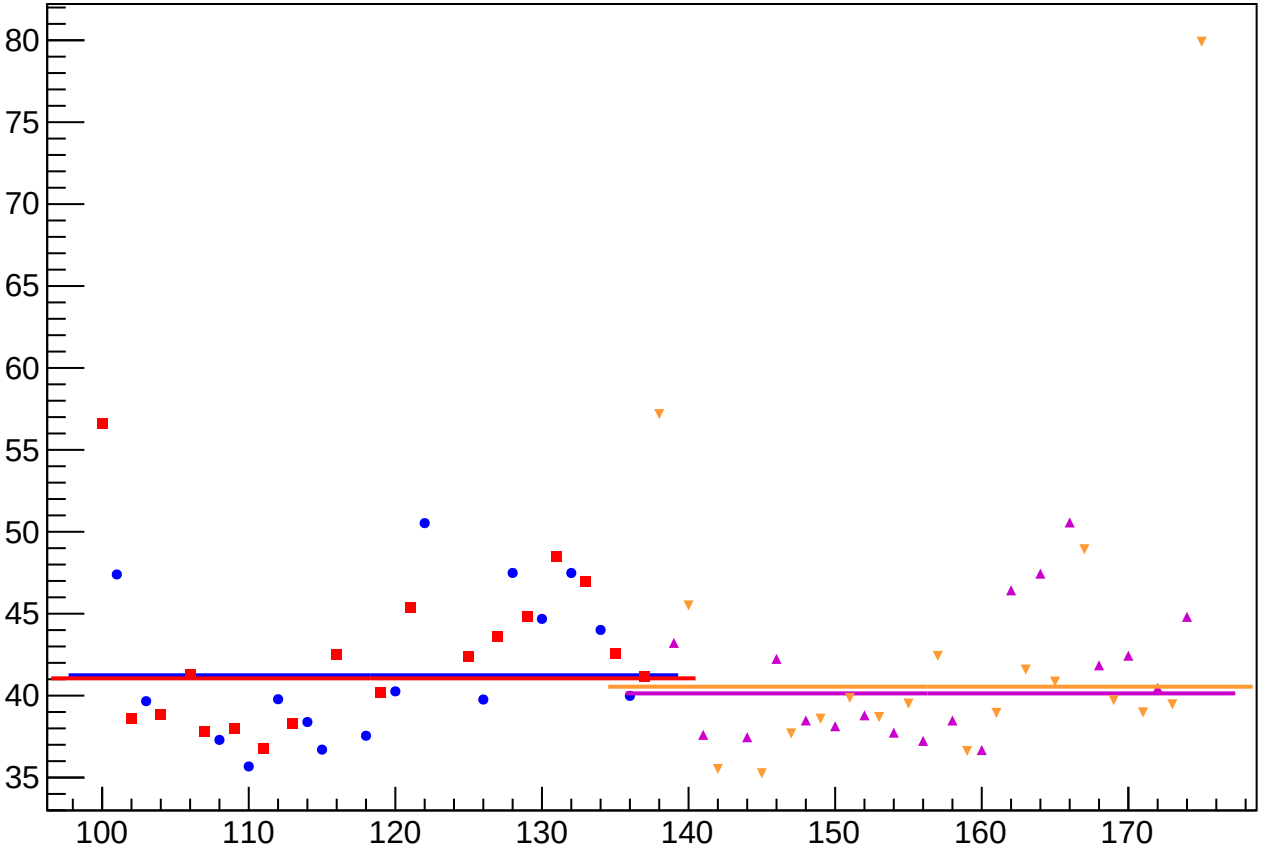
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.005+/-0.009 χ^2/NDF:40.0/33

Out: 0.006+/-0.009 χ^2/NDF:29.2/36

All: 0.000+/-0.006 χ^2/NDF: 69.9/70

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

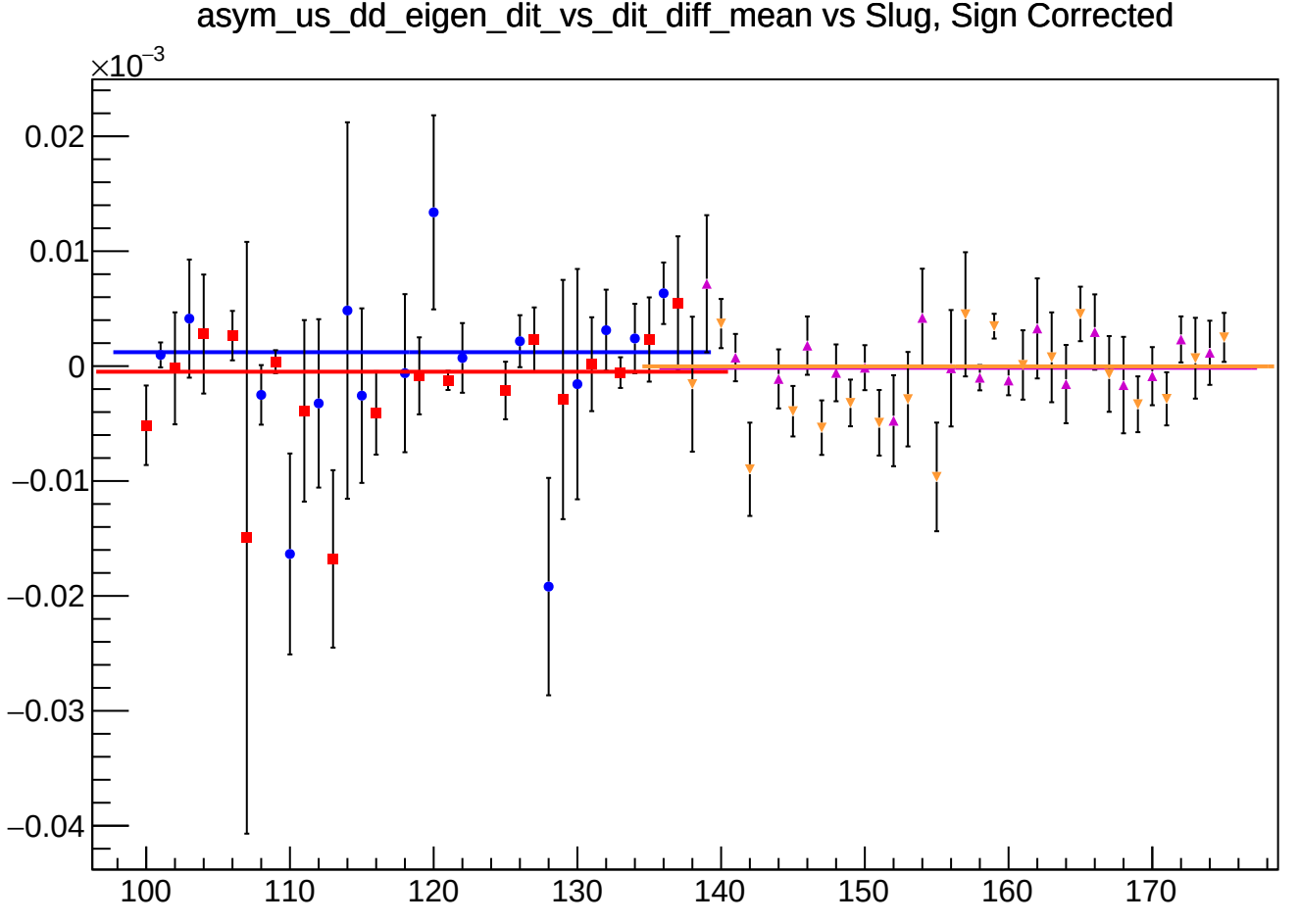
Left: 40.338+/-0.005 χ^2/NDF: 843763.8/36

Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

In: 40.487+/-0.006 χ^2/NDF:334328.8/33

Out: 40.714+/-0.006 χ^2/NDF:748019.6/36

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



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

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

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

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

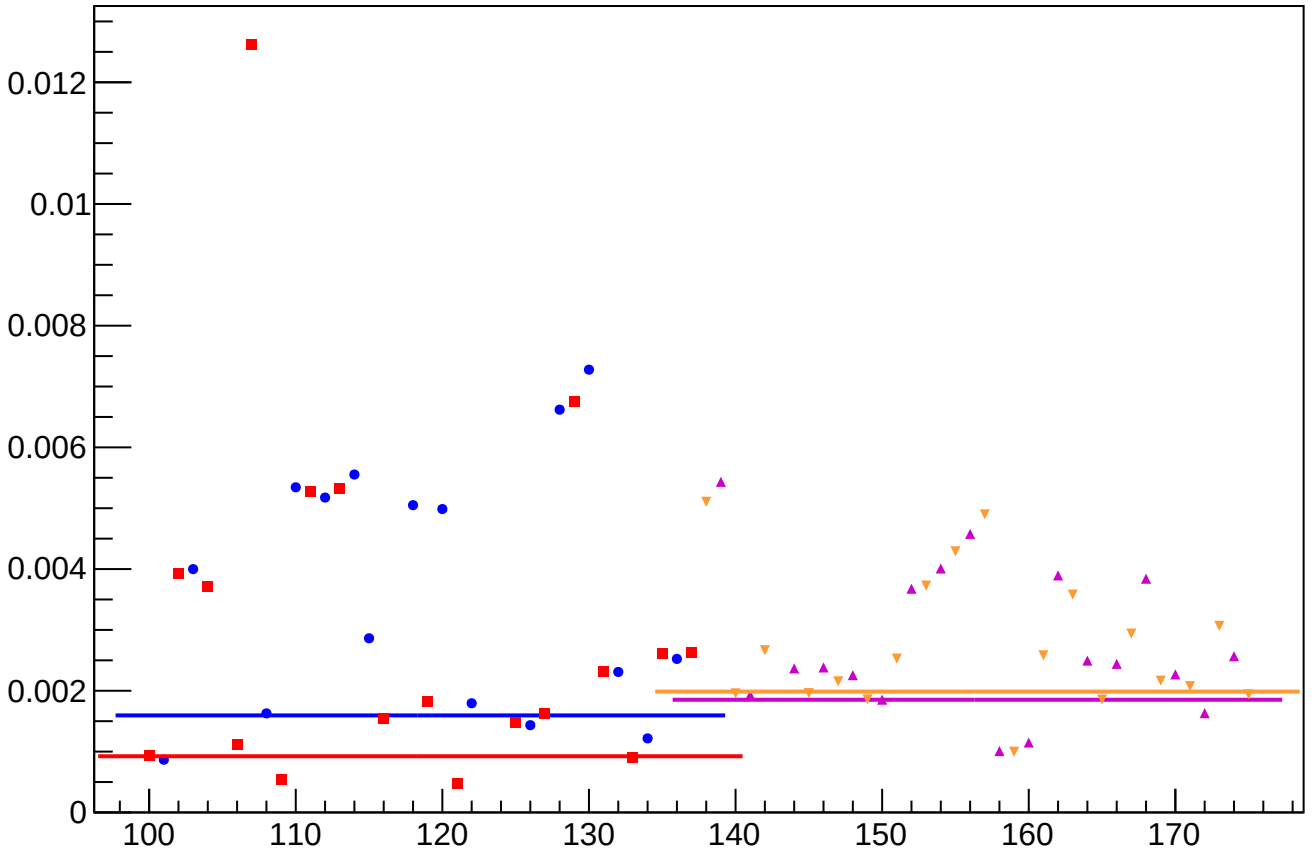
Left: -0.000+/-0.000 χ^2/NDF: 55.8/36

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:30.3/33

Out: -0.000+/-0.000 χ^2/NDF:61.4/36

All: -0.000+/-0.000 χ^2/NDF: 92.8/70



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

Left Out: 0.002+/-0.000 χ^2/NDF:4594265.8/18

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

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

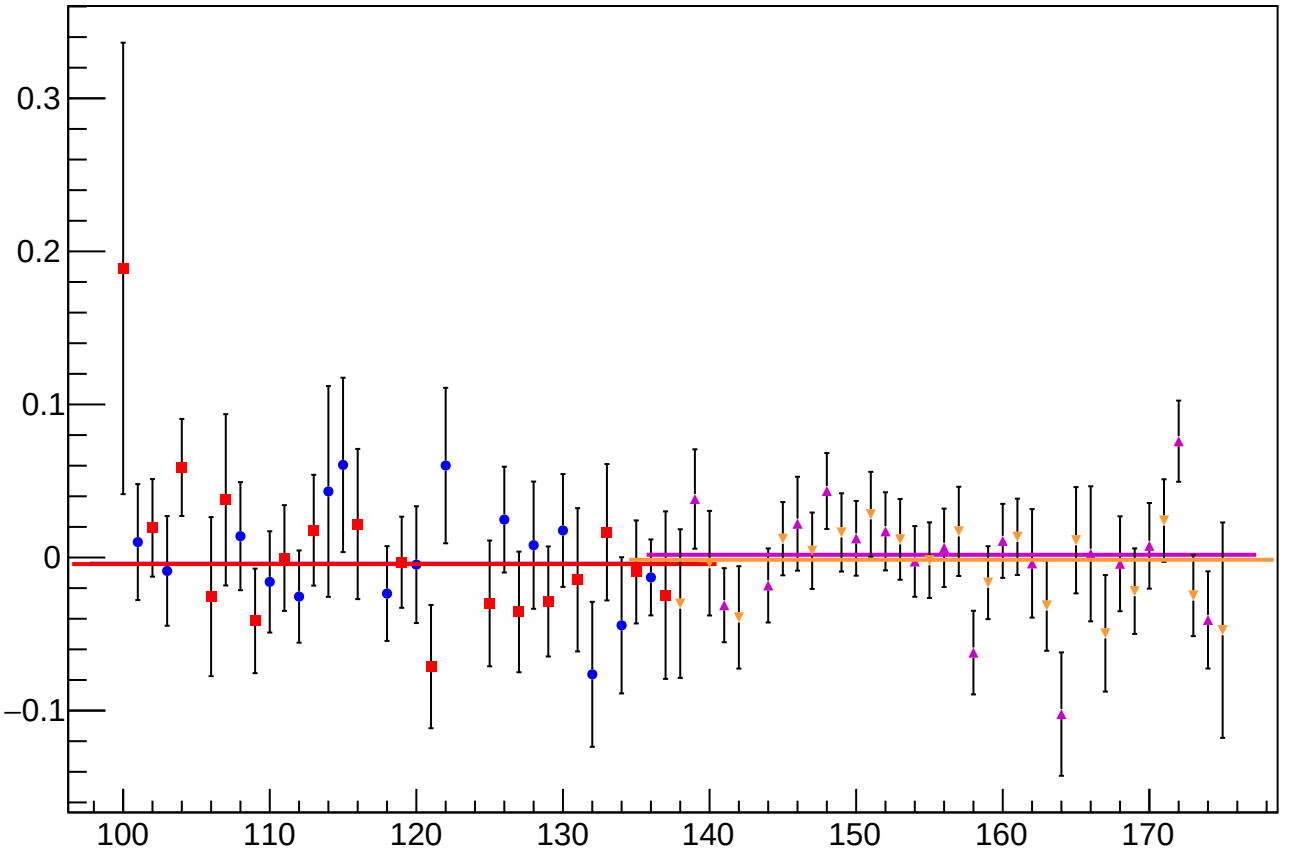
Left: 0.002+/-0.000 χ^2/NDF: 10115437.2/36

Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:10378701.4/33

Out: 0.001+/-0.000 χ^2/NDF:14380118.0/36

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



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

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

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

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

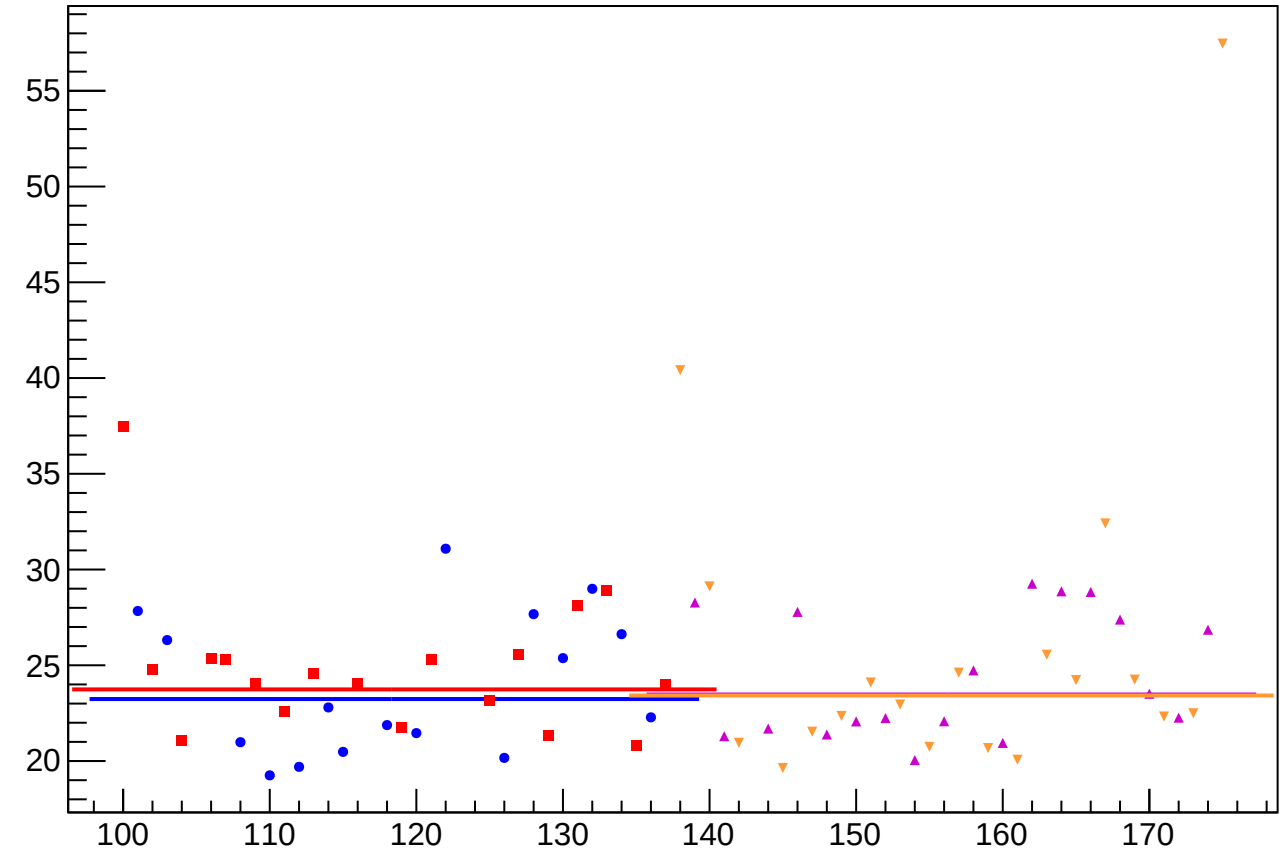
Left: 0.000+/-0.005 χ^2/NDF: 40.3/36

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 63.3/70



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

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

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

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

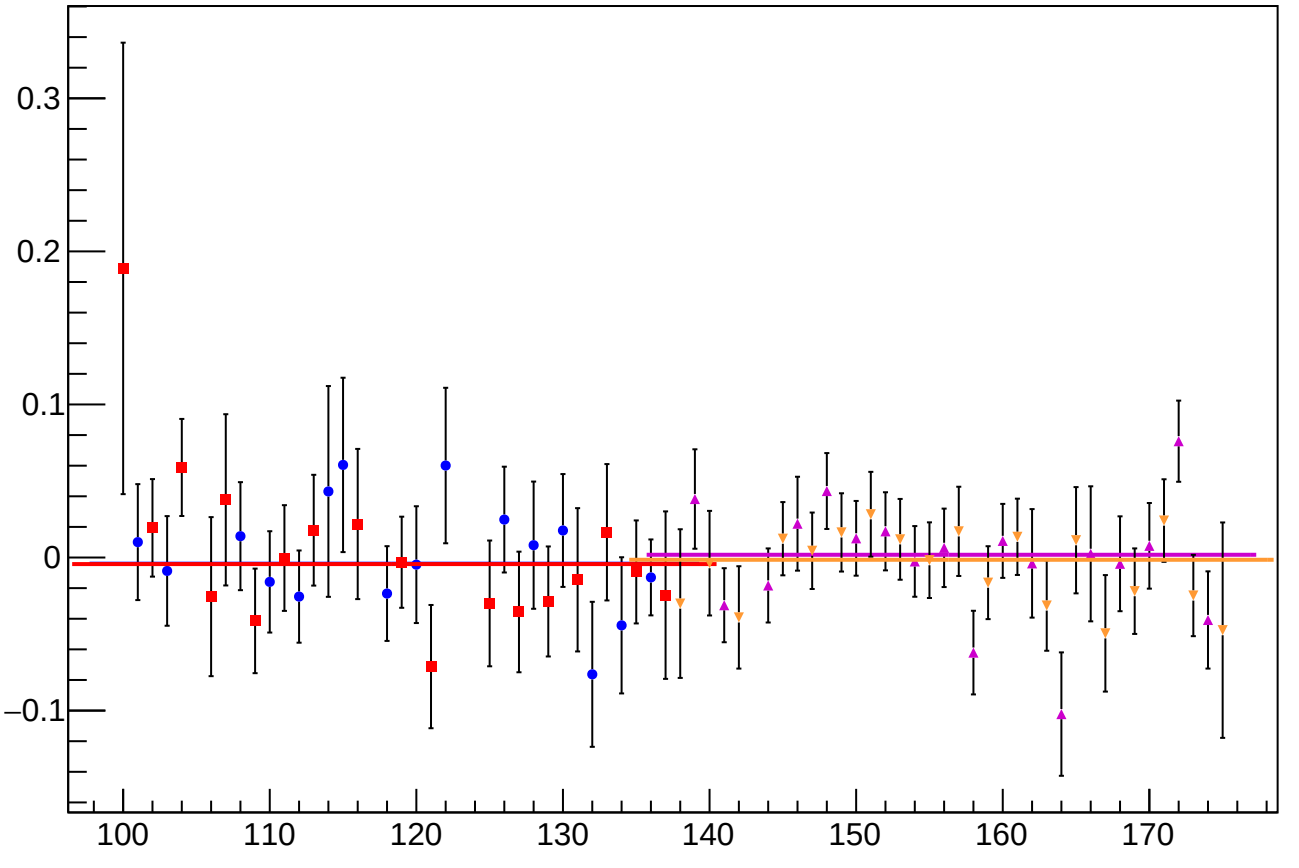
Left: 23.448+/-0.003 χ^2/NDF: 1455550.1/36

Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.395+/-0.004 χ^2/NDF:649174.1/33

Out: 23.528+/-0.004 χ^2/NDF:1194097.8/36

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



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

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

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

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

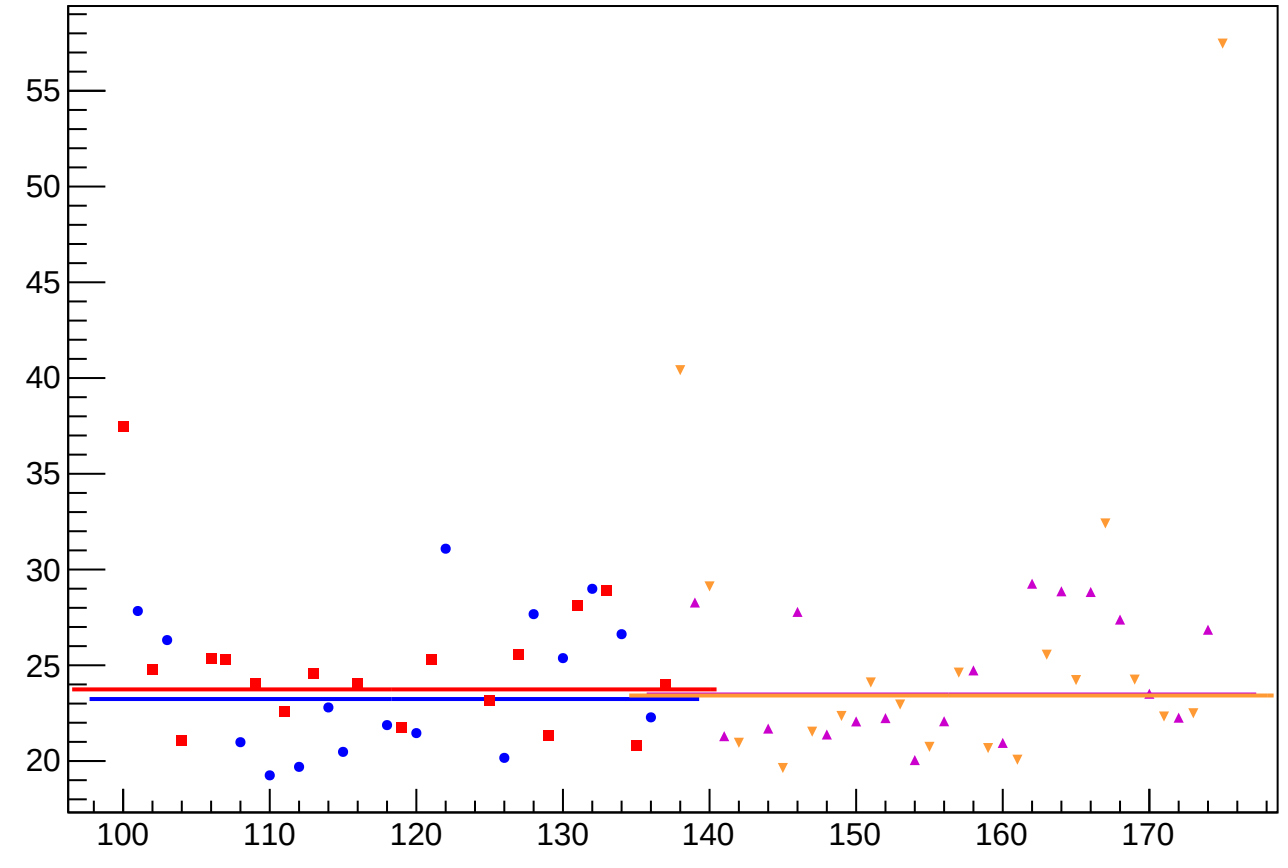
Left: 0.000+/-0.005 χ^2/NDF: 40.3/36

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 63.3/70



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

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

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

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

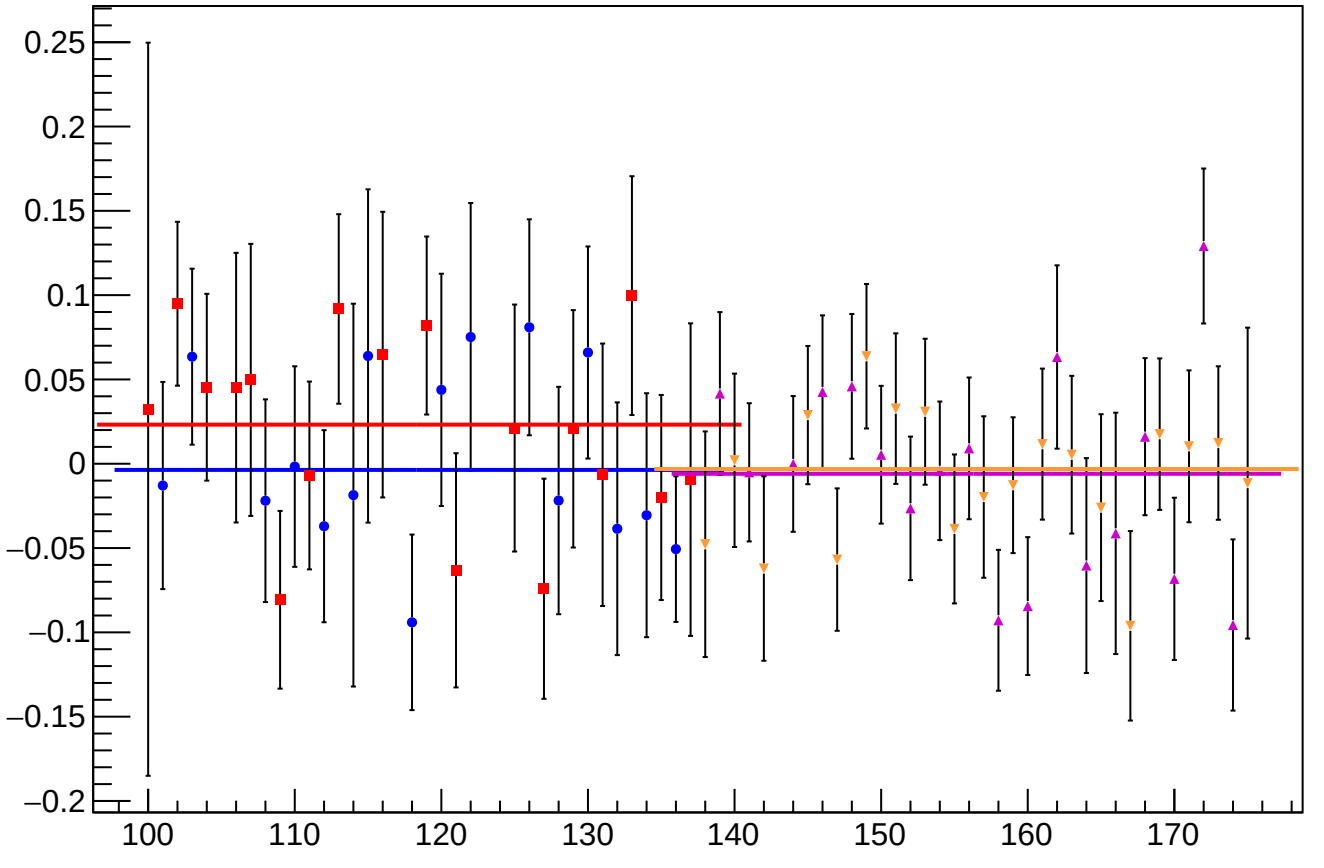
Left: 23.448+/-0.003 χ^2/NDF: 1455550.1/36

Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.395+/-0.004 χ^2/NDF:649174.1/33

Out: 23.528+/-0.004 χ^2/NDF:1194097.8/36

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



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

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

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

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

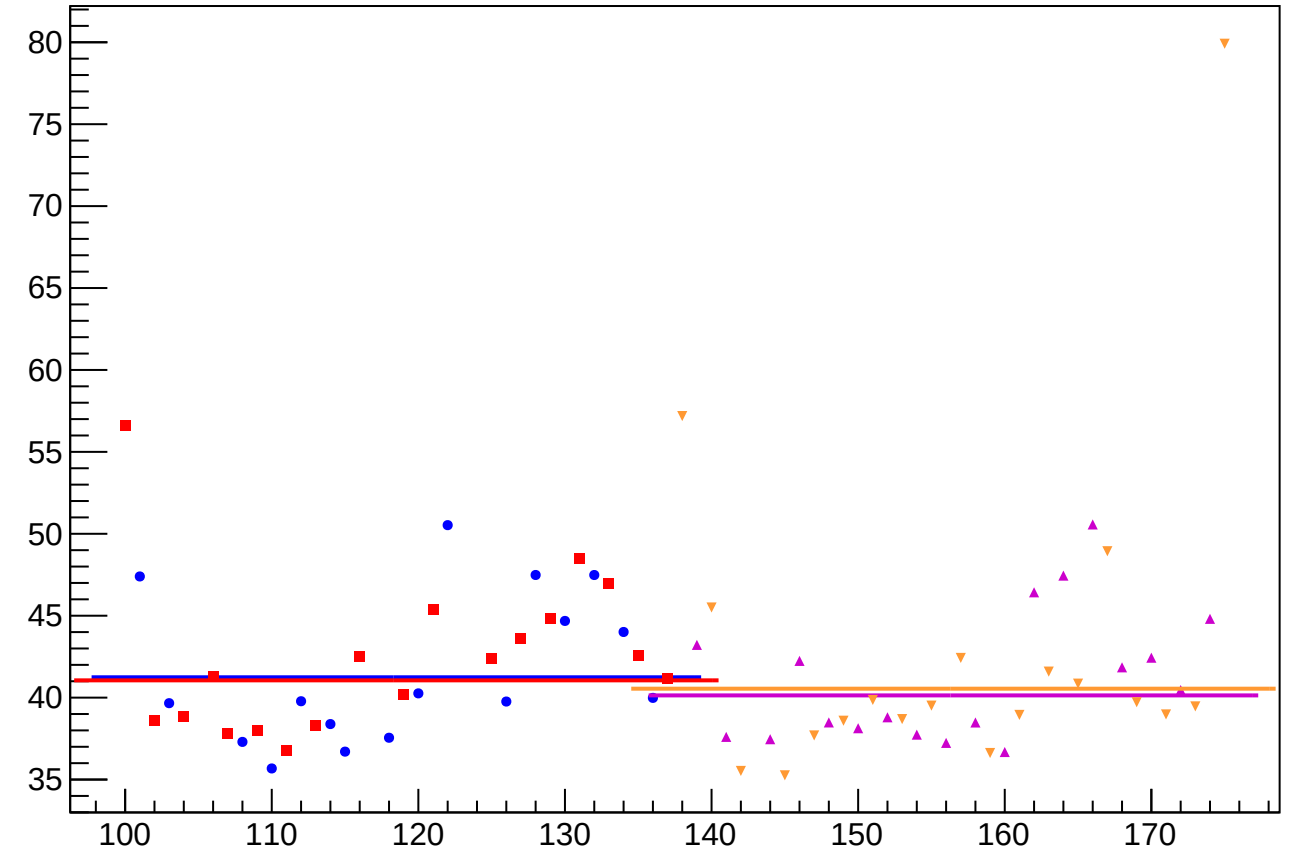
Left: -0.005+/-0.008 χ^2/NDF: 40.2/36

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.005+/-0.009 χ^2/NDF:40.0/33

Out: 0.006+/-0.009 χ^2/NDF:29.2/36

All: 0.000+/-0.006 χ^2/NDF: 69.9/70



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

Left Out: 40.546+/-0.008 χ^2/NDF:650018.7/18

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

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

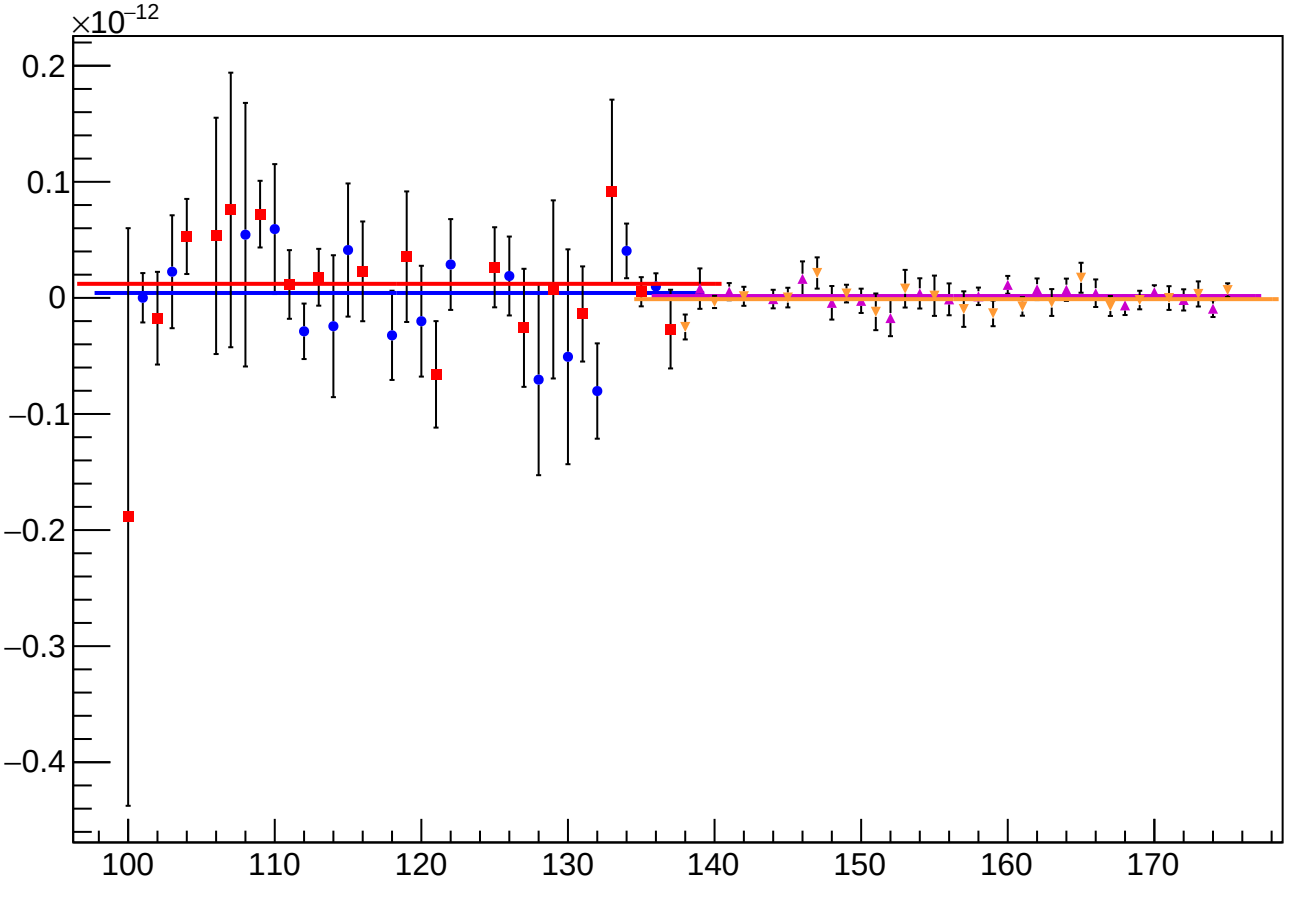
Left: 40.338+/-0.005 χ^2/NDF: 843769.5/36

Right: 41.147+/-0.008 χ^2/NDF: 231949.1/33

In: 40.487+/-0.006 χ^2/NDF:334306.4/33

Out: 40.714+/-0.006 χ^2/NDF:748009.7/36

All: 40.600+/-0.004 χ^2/NDF: 1082967.7/70



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

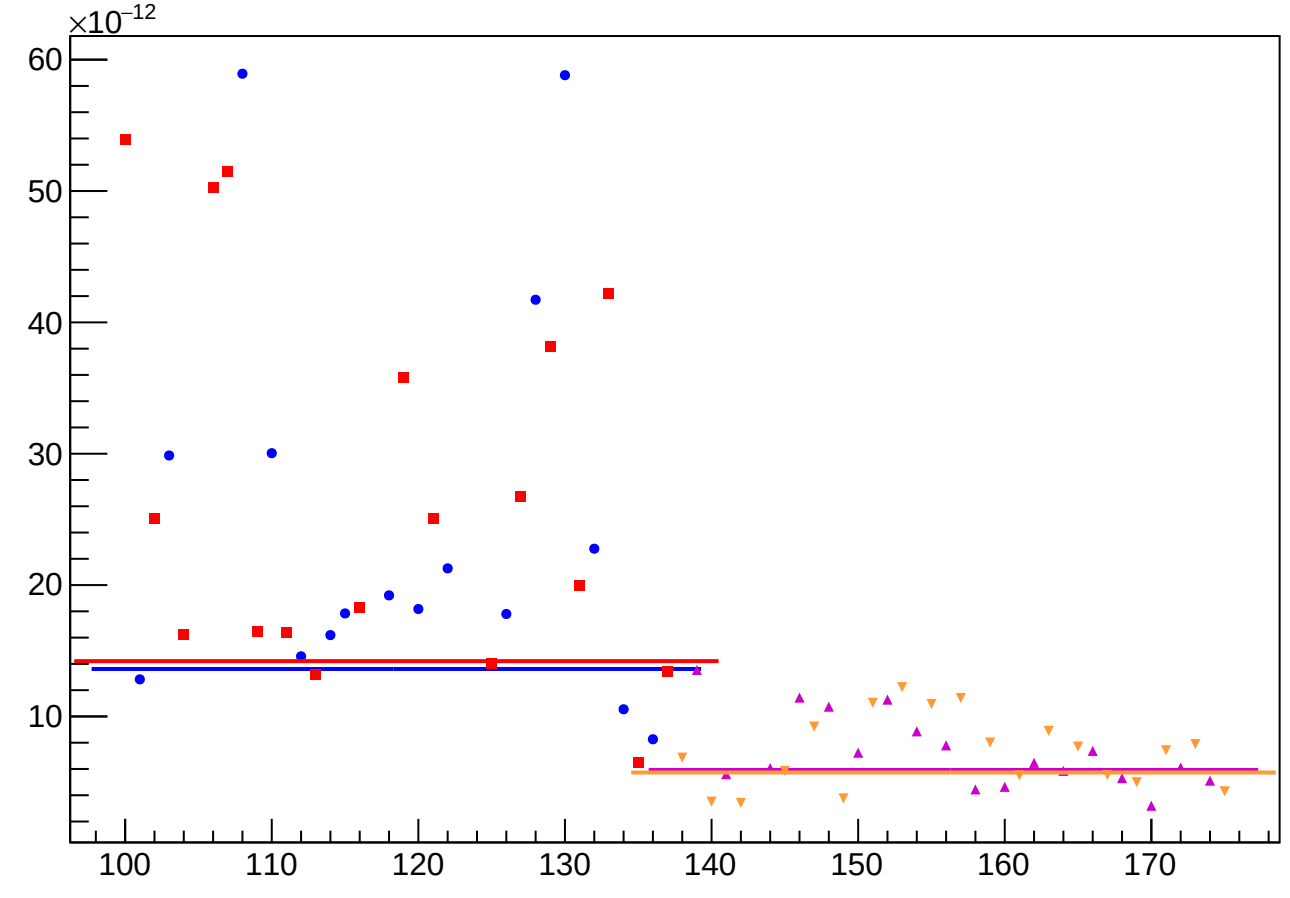
Left: 0.000+/-0.000 χ^2/NDF: 26.1/36

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:23.1/33

Out: -0.000+/-0.000 χ^2/NDF:33.2/36

All: 0.000+/-0.000 χ^2/NDF: 56.7/70



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF: 4275527.2/36

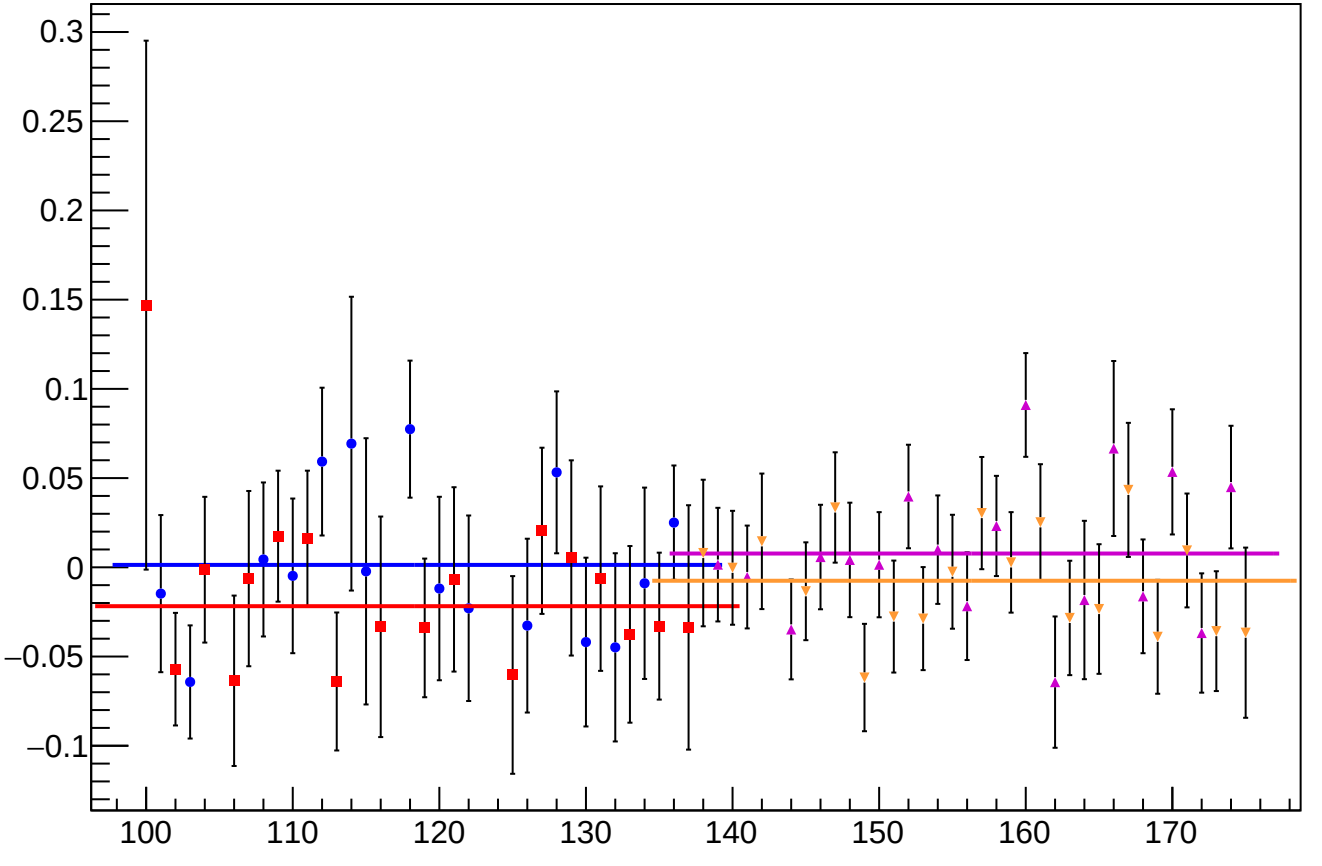
Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

In: 0.000+/-0.000 χ^2/NDF:6088650.0/33

Out: 0.000+/-0.000 χ^2/NDF:7042377.4/36

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.005 χ^2/NDF: 40.2/36

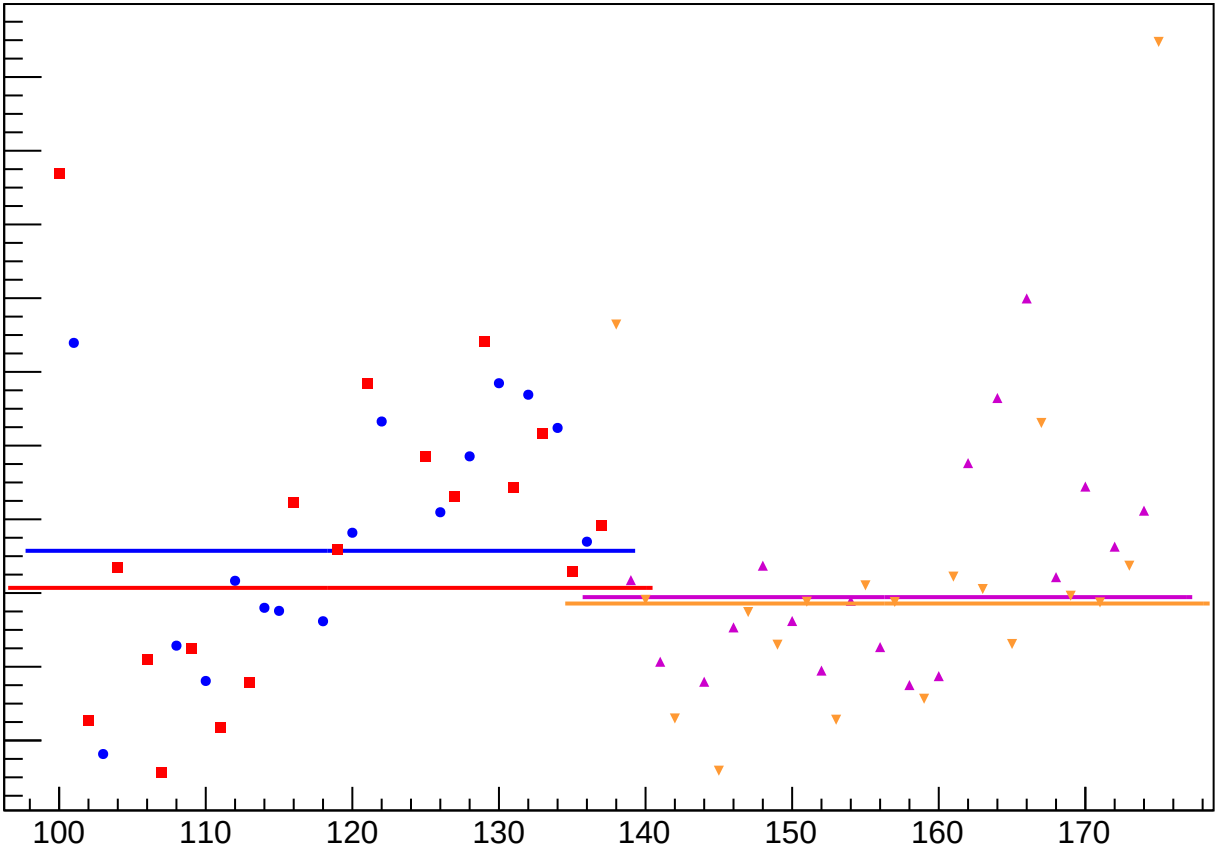
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.006+/-0.006 χ^2/NDF:39.6/33

Out: -0.012+/-0.006 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 68.0/70

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

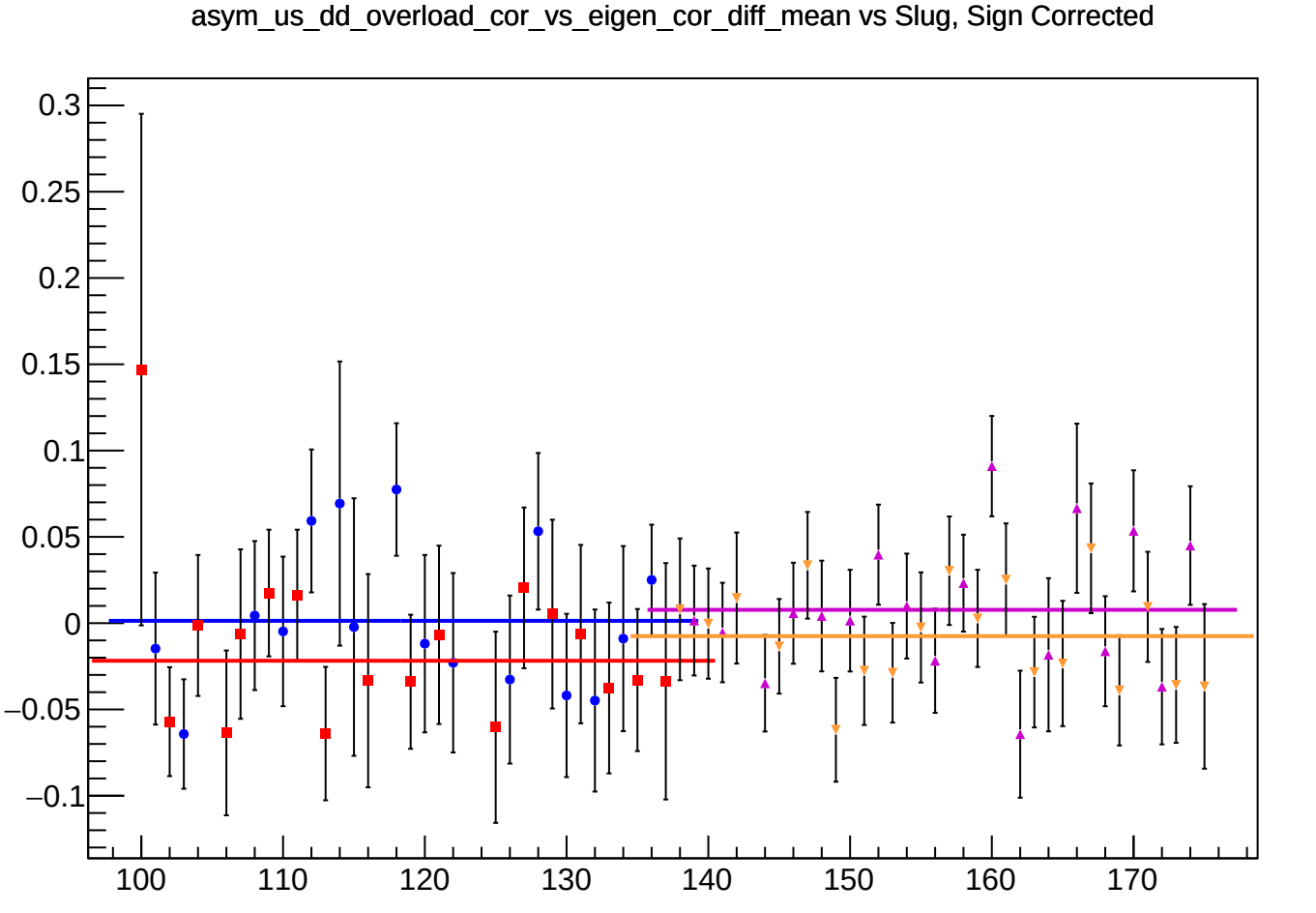
Left: 27.802+/-0.004 χ^2/NDF: 619717.9/36

Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

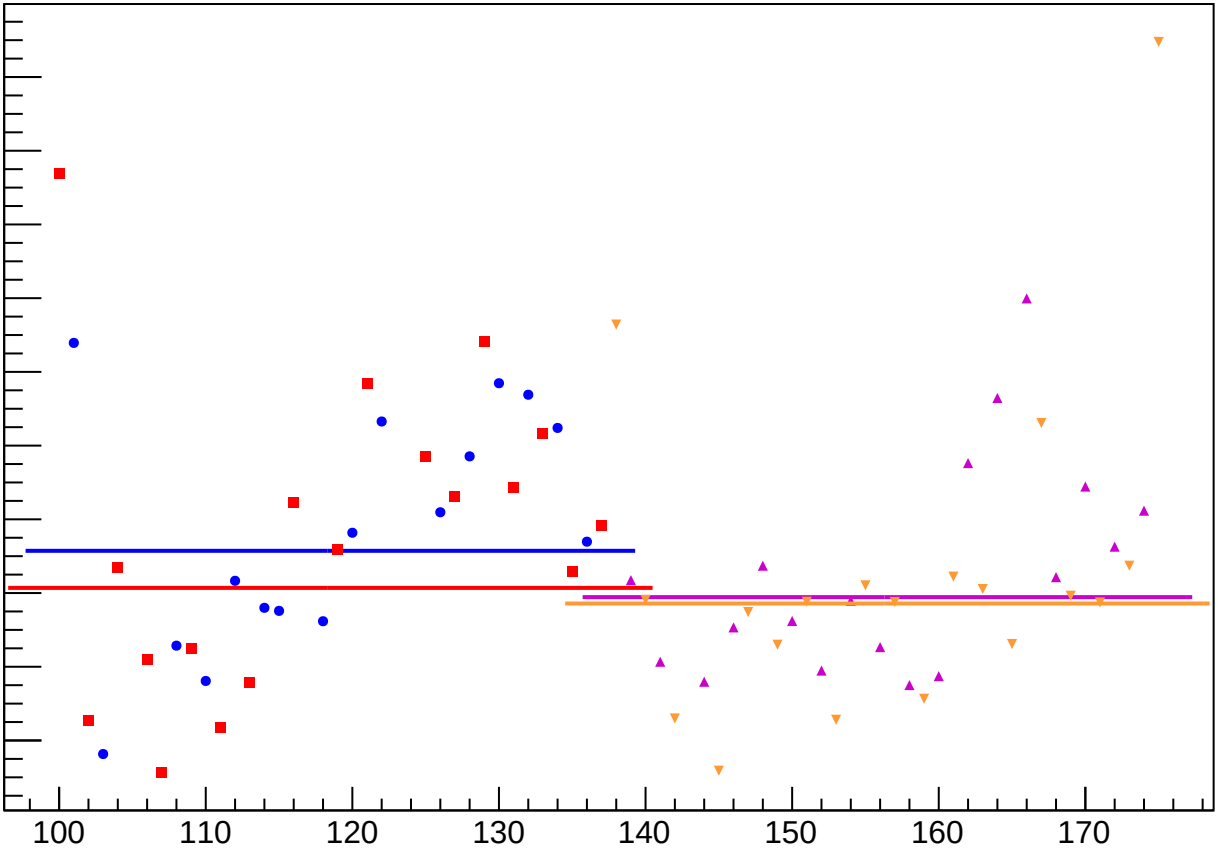
In: 28.277+/-0.004 χ^2/NDF:389970.4/33

Out: 27.853+/-0.004 χ^2/NDF:612652.8/36

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


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.008+/-0.007 χ²/NDF:13.9/18
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.008+/-0.007 χ²/NDF:24.1/17
Left: 0.000+/-0.005 χ²/NDF: 40.2/36
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.006+/-0.006 χ²/NDF:39.6/33
Out: -0.012+/-0.006 χ²/NDF:24.2/36
All: -0.003+/-0.004 χ²/NDF: 68.0/70

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

Left: 27.802+/-0.004 χ^2/NDF: 619717.9/36

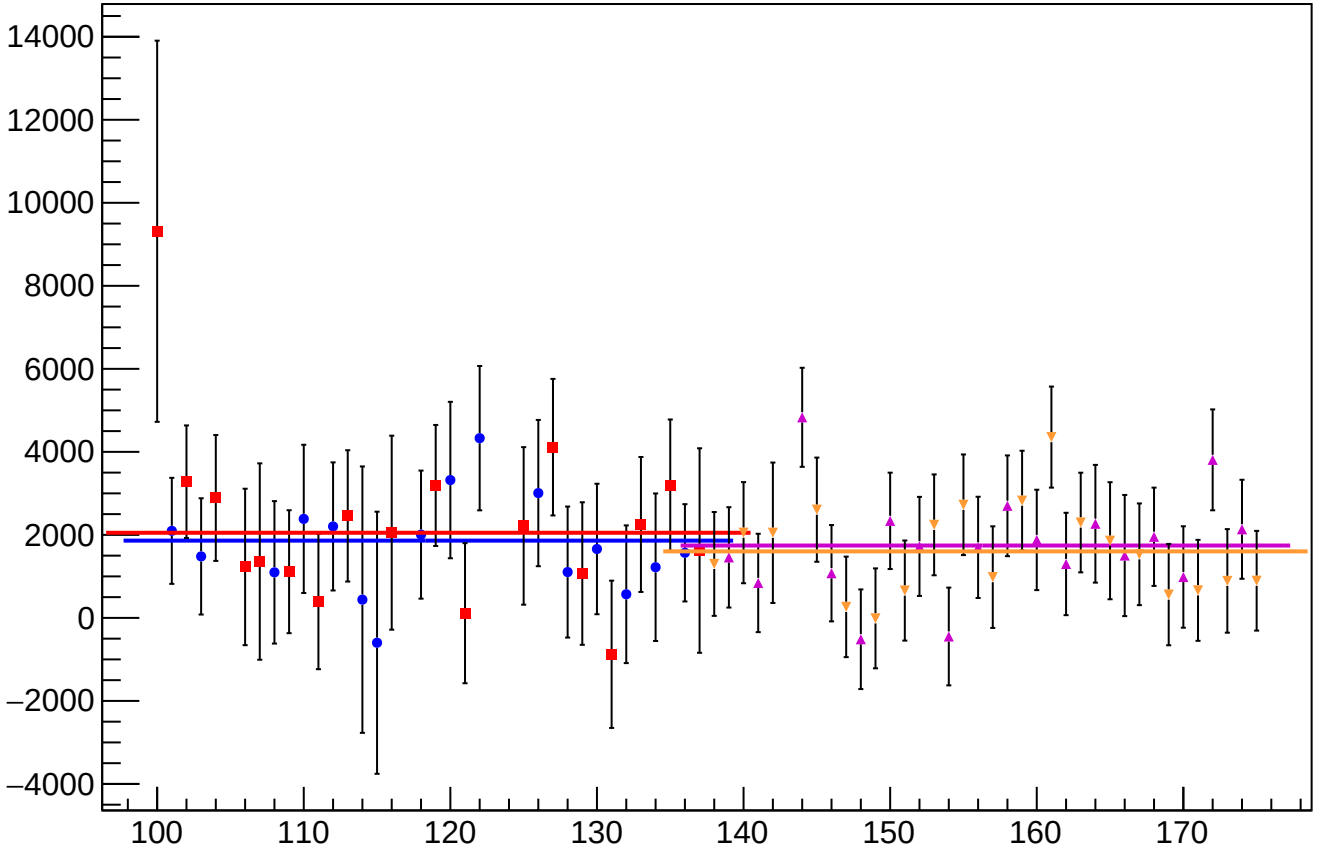
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.277+/-0.004 χ^2/NDF:389970.4/33

Out: 27.853+/-0.004 χ^2/NDF:612652.8/36

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

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1672.664+/-202.355 χ^2/NDF: 33.8/36

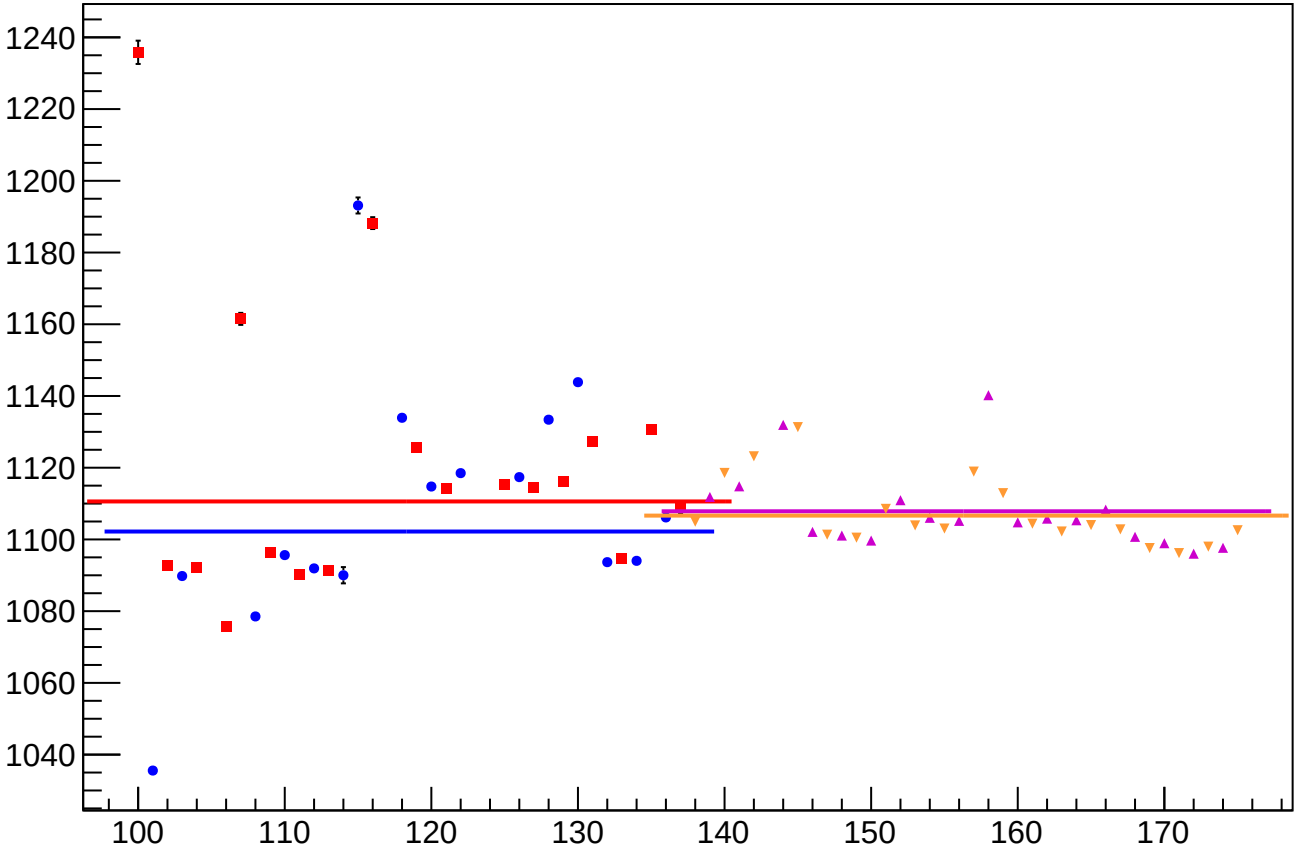
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1782.466+/-235.133 χ^2/NDF:24.7/33

Out: 1749.197+/-233.969 χ^2/NDF:27.8/36

All: 1765.749+/-165.851 χ^2/NDF: 52.5/70

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

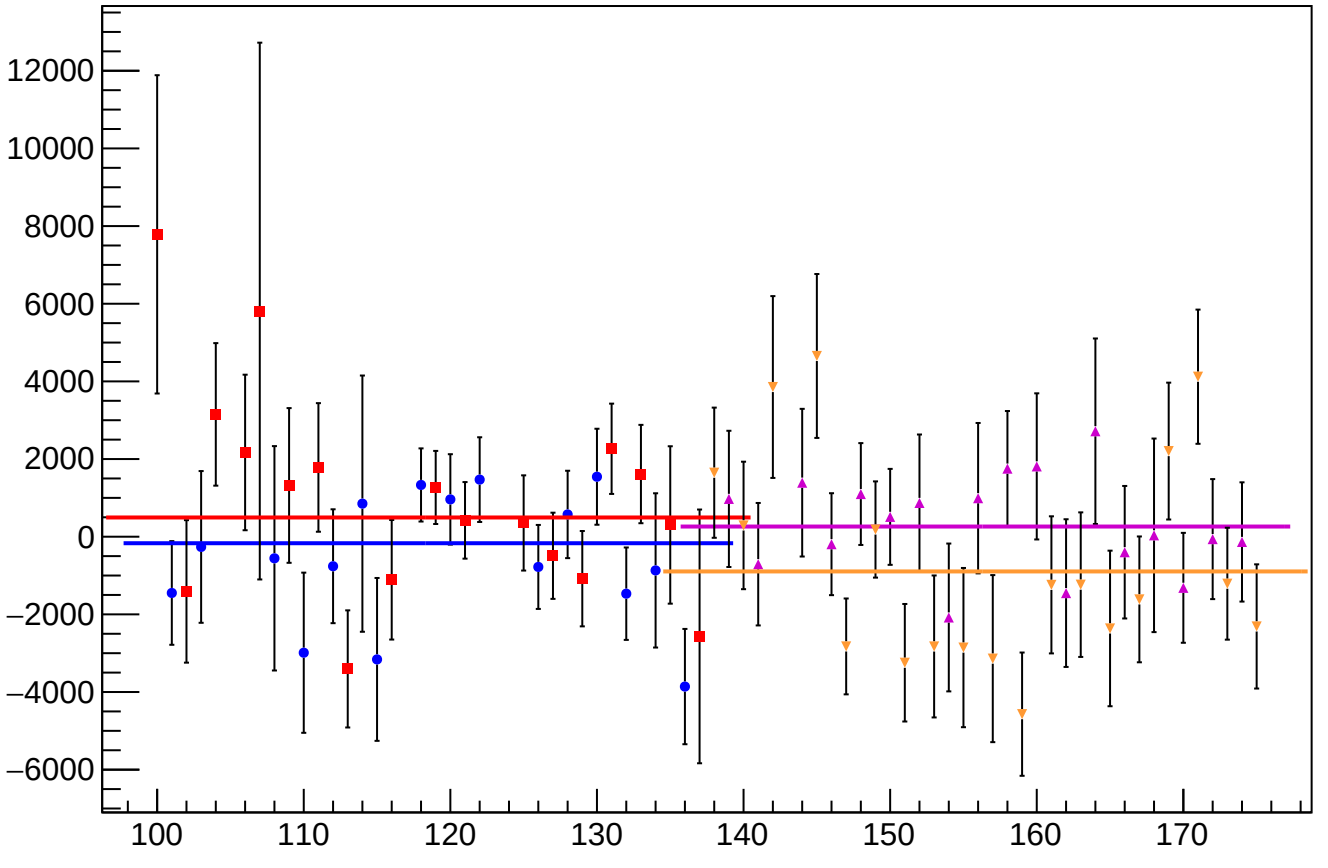
Left: 1107.242+/-0.143 χ^2/NDF: 5099.7/36

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1105.988+/-0.166 χ^2/NDF:14710.5/33

Out: 1107.935+/-0.165 χ^2/NDF:9796.2/36

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



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

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

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

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

Left: -319.596+/-272.006 χ^2/NDF: 53.9/36

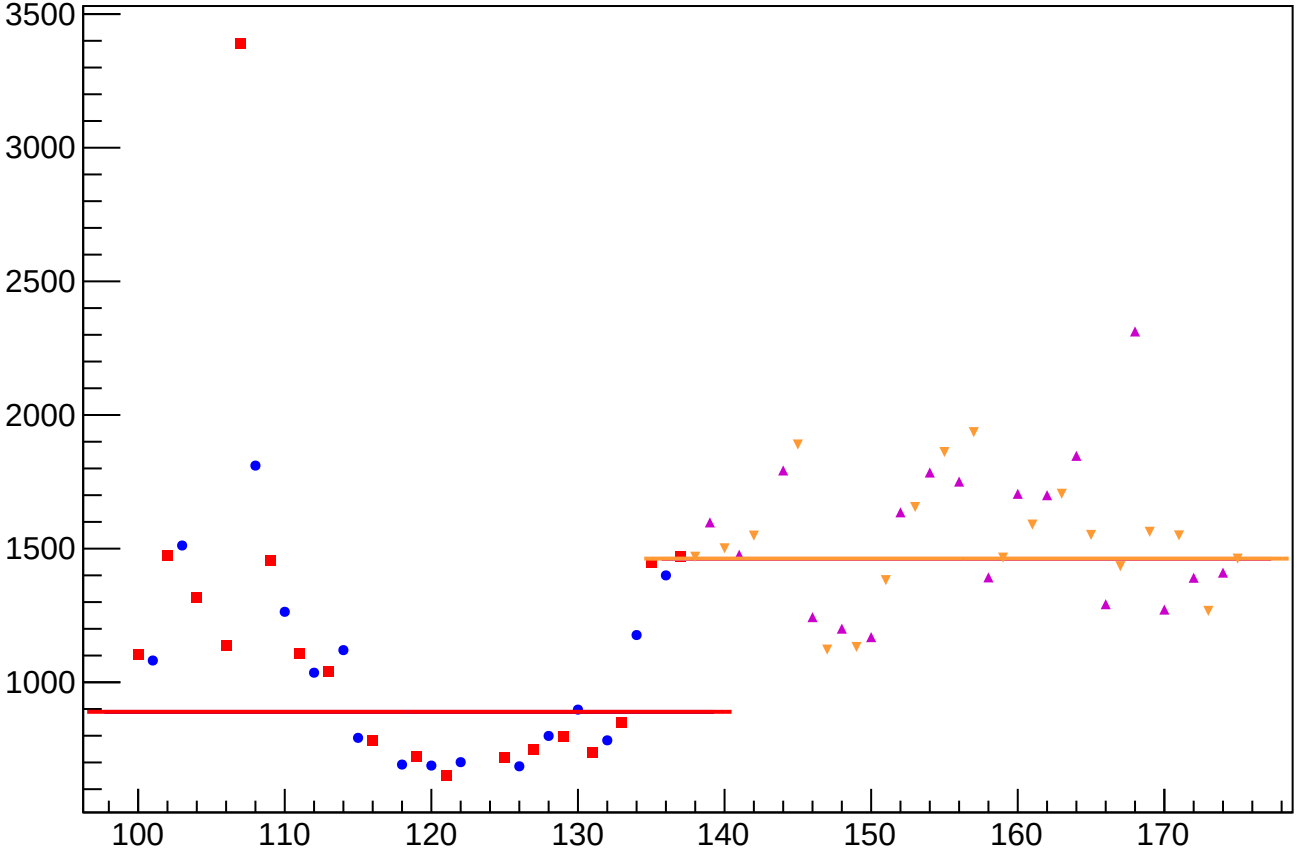
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 23.351+/-257.346 χ^2/NDF:30.0/33

Out: -126.369+/-256.534 χ^2/NDF:71.7/36

All: -51.746+/-181.683 χ^2/NDF: 101.8/70

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 1462.011+/-0.192 χ^2/NDF: 1535426.1/36

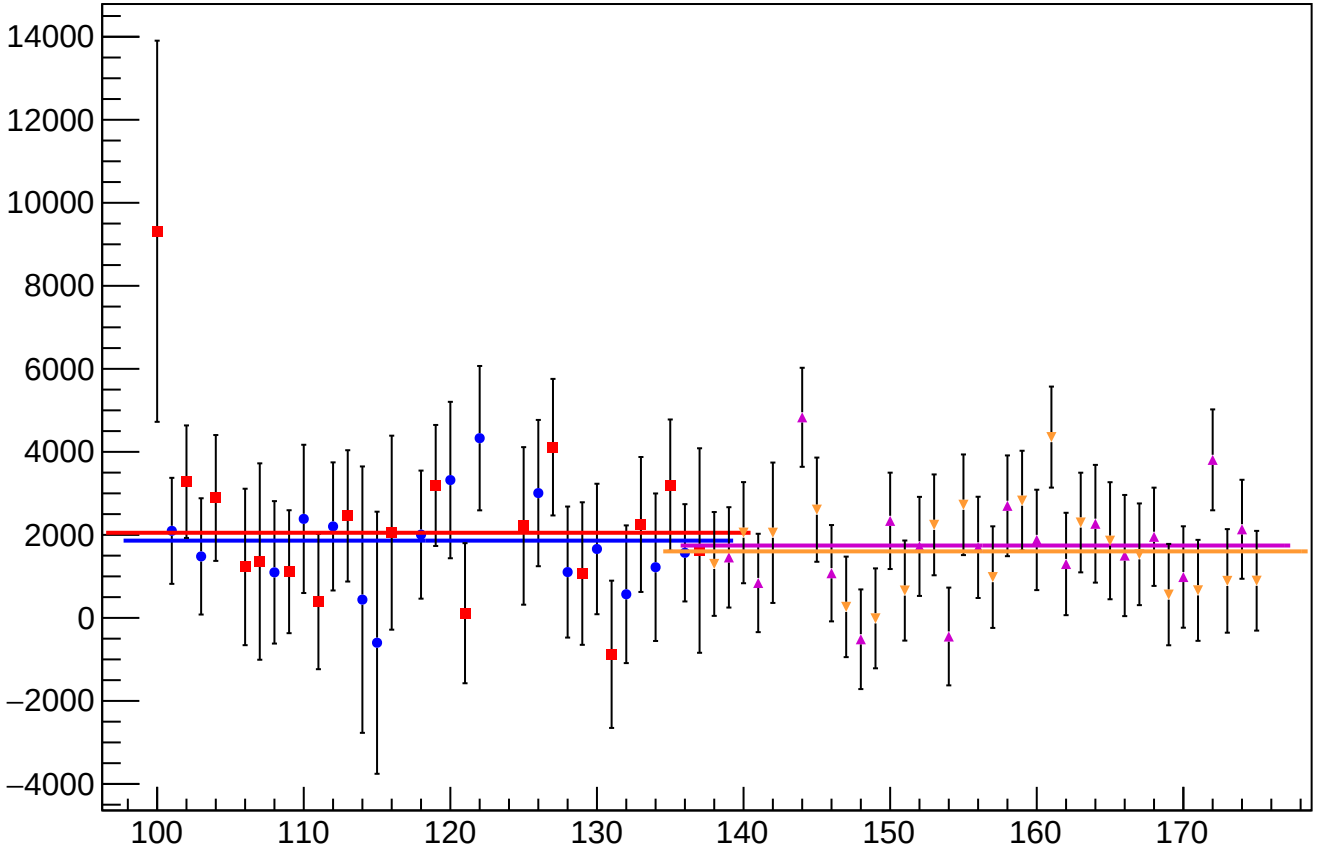
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1143.690+/-0.182 χ^2/NDF:4434450.1/33

Out: 1145.831+/-0.181 χ^2/NDF:4491526.4/36

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

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1672.664+/-202.355 χ^2/NDF: 33.8/36

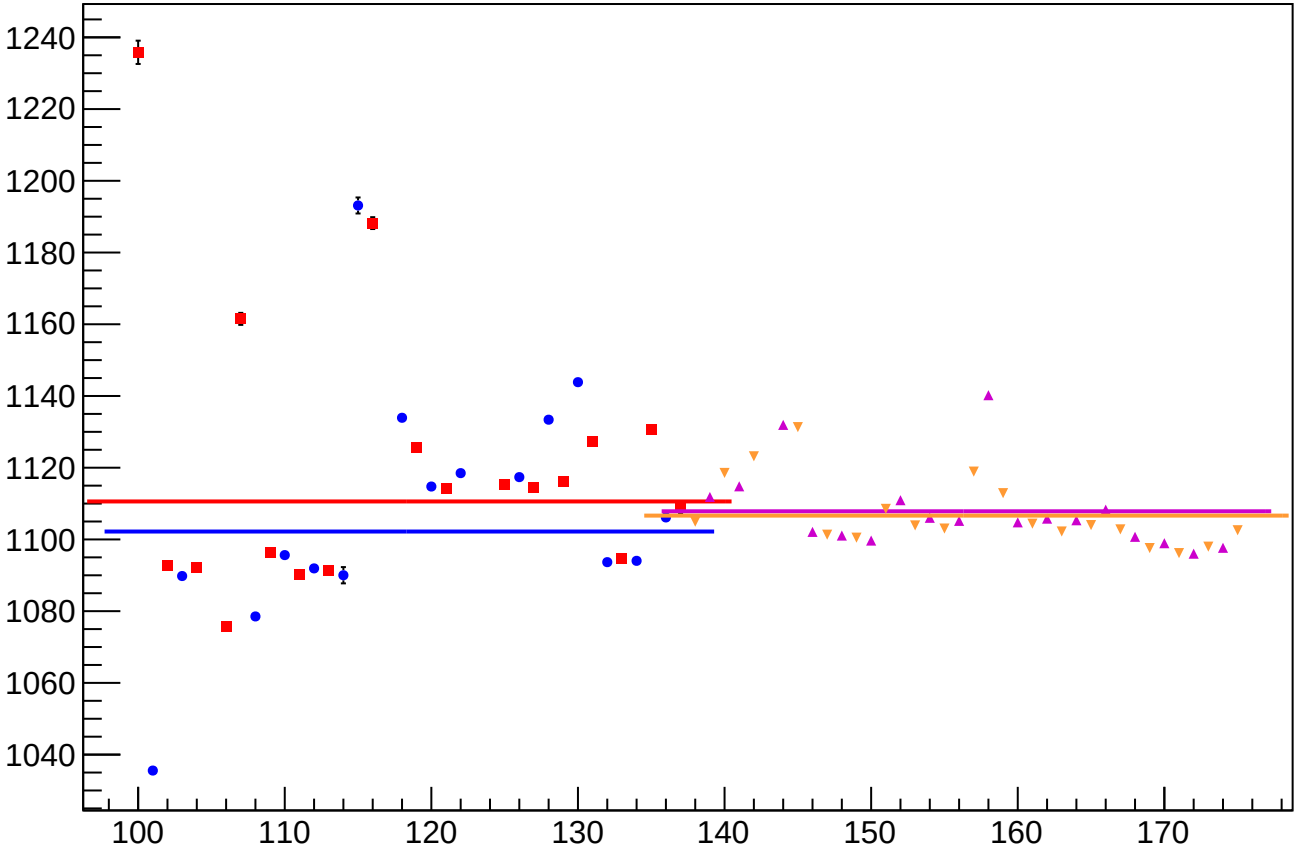
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1782.466+/-235.133 χ^2/NDF:24.7/33

Out: 1749.197+/-233.969 χ^2/NDF:27.8/36

All: 1765.749+/-165.851 χ^2/NDF: 52.5/70

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

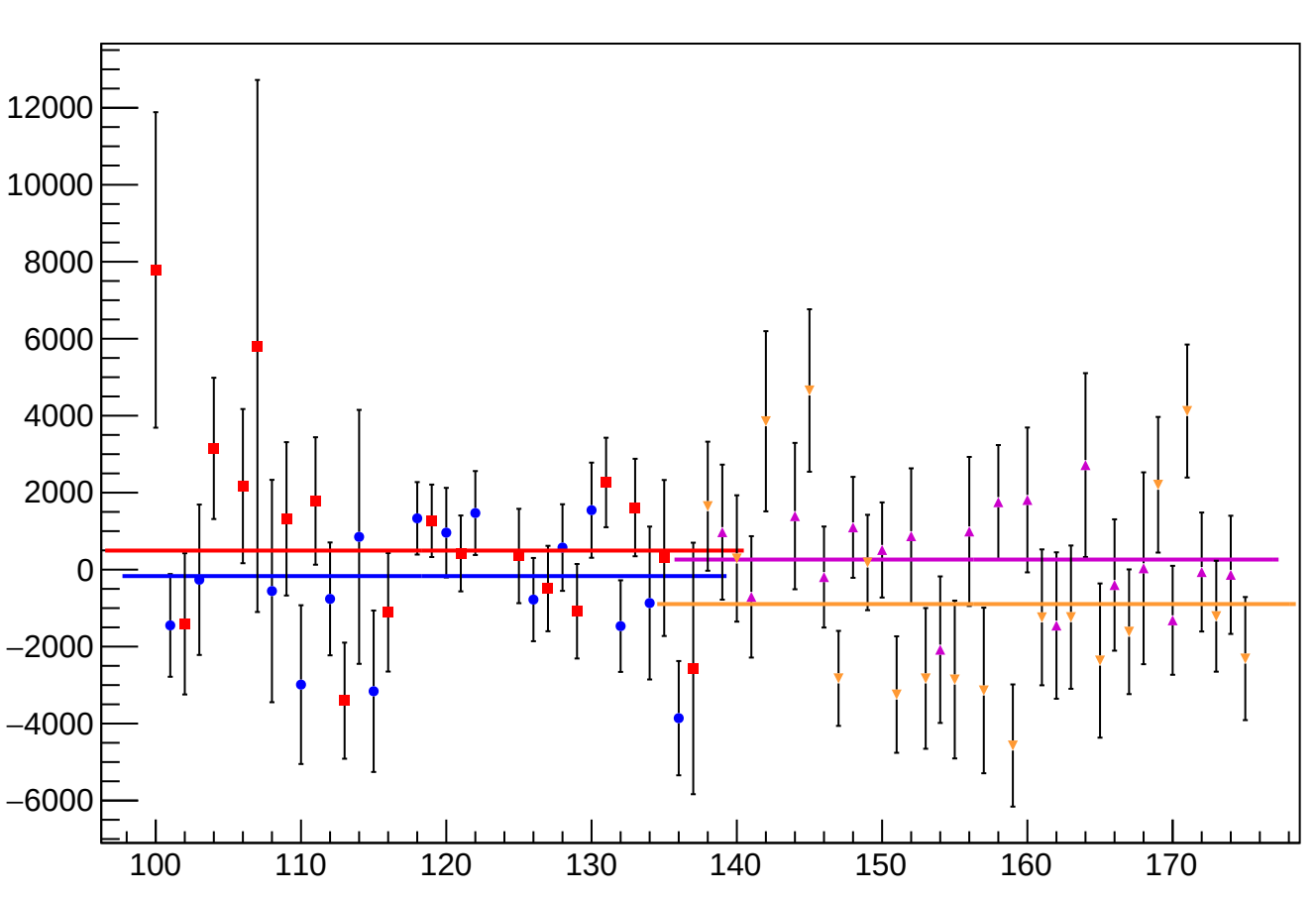
Left: 1107.242+/-0.143 χ^2/NDF: 5099.7/36

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1105.988+/-0.166 χ^2/NDF:14710.5/33

Out: 1107.935+/-0.165 χ^2/NDF:9796.2/36

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



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

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

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

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

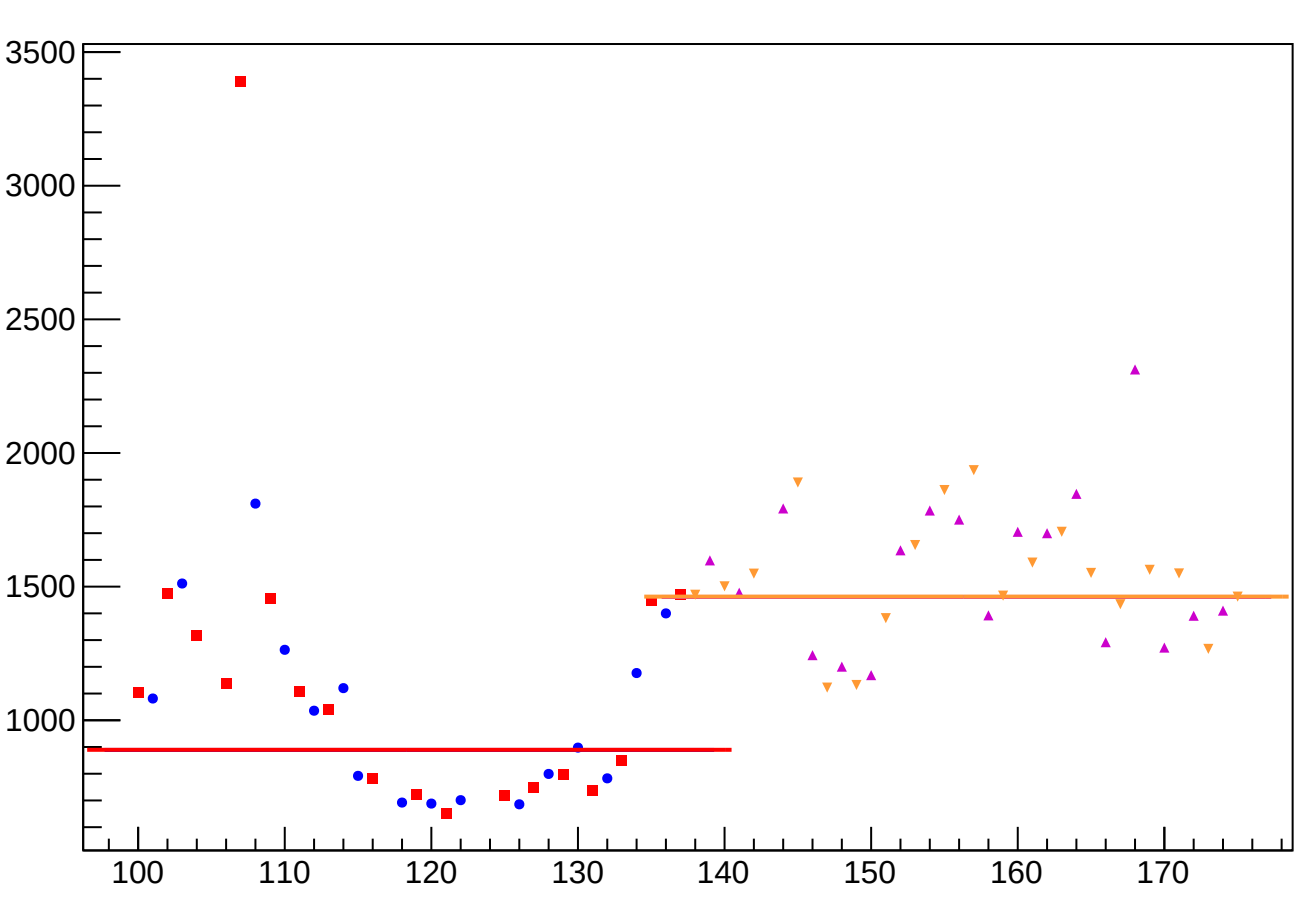
Left: -319.596+/-272.006 χ^2/NDF: 53.9/36

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 23.351+/-257.346 χ^2/NDF:30.0/33

Out: -126.369+/-256.534 χ^2/NDF:71.7/36

All: -51.746+/-181.683 χ^2/NDF: 101.8/70



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

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

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

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

Left: 1462.011+/-0.192 χ^2/NDF: 1535426.1/36

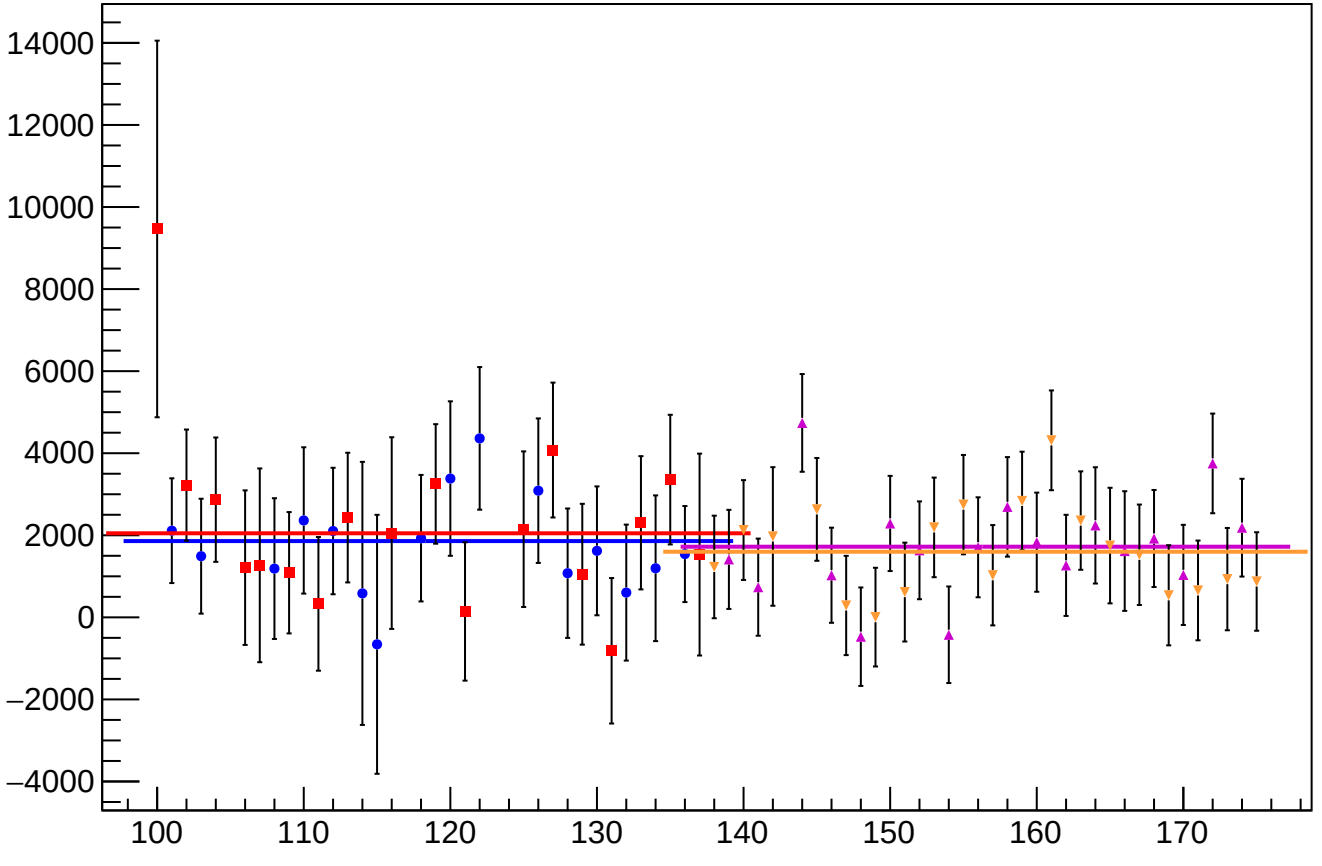
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1143.690+/-0.182 χ^2/NDF:4434450.1/33

Out: 1145.831+/-0.181 χ^2/NDF:4491526.4/36

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

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1659.934+/-202.158 χ^2/NDF: 33.2/36

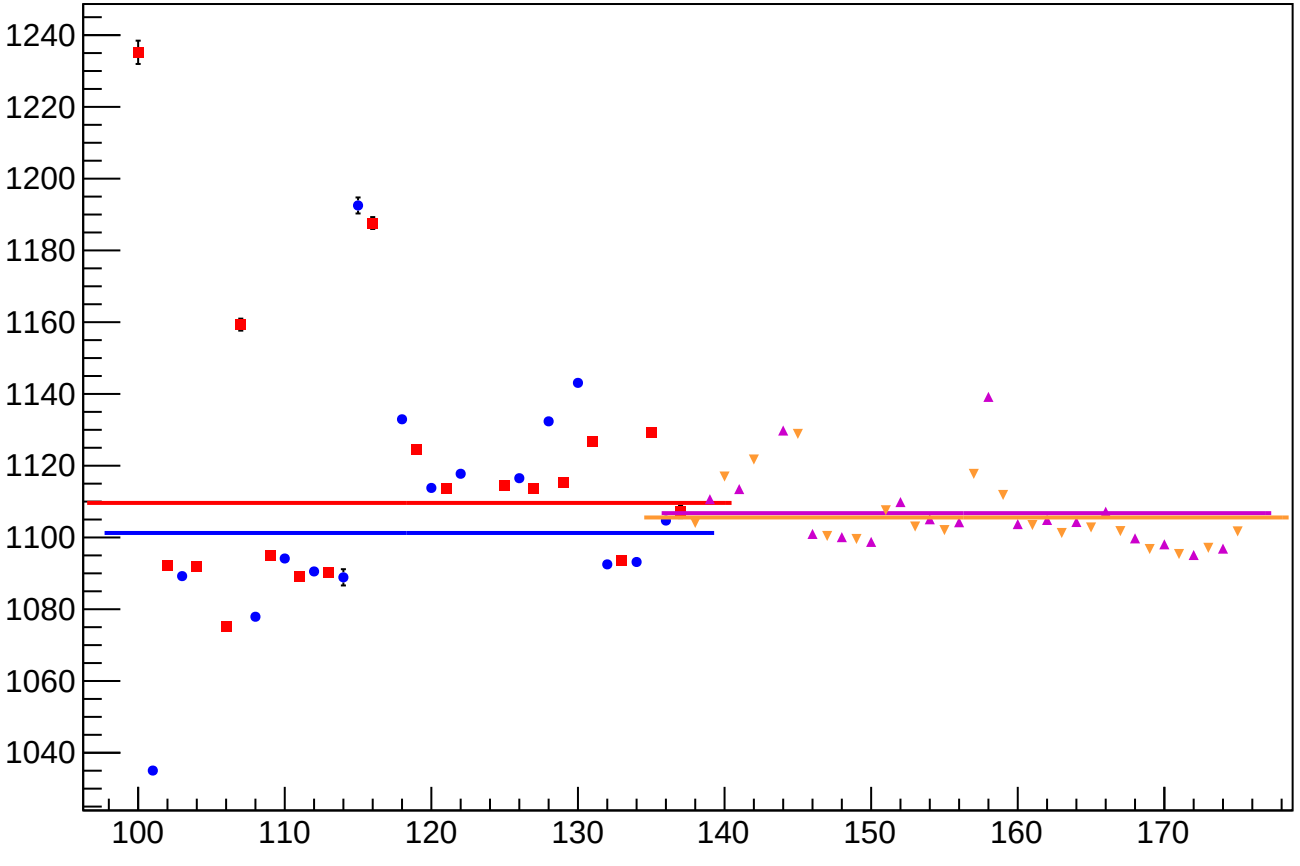
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1766.790+/-234.913 χ^2/NDF:24.2/33

Out: 1746.037+/-233.749 χ^2/NDF:28.0/36

All: 1756.362+/-165.696 χ^2/NDF: 52.2/70

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

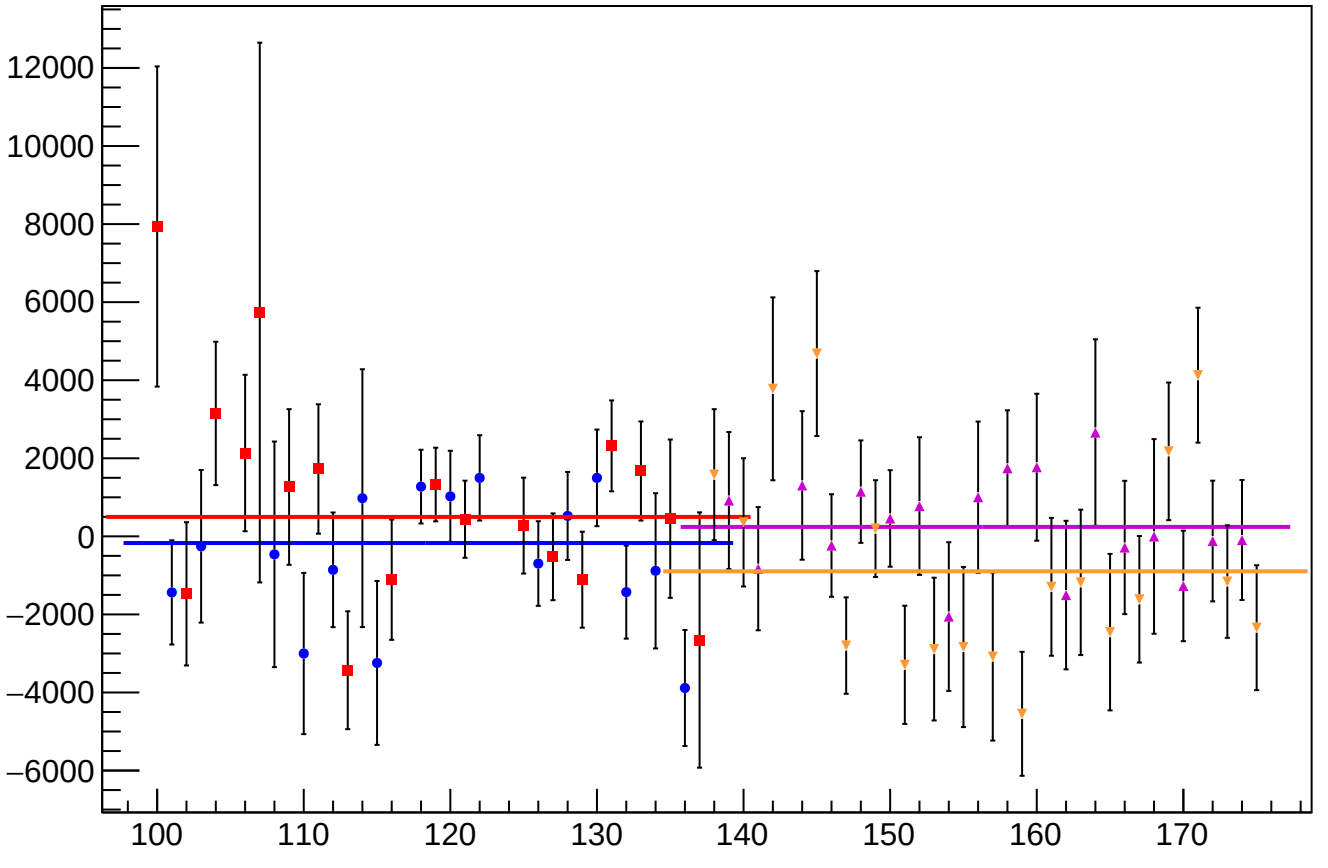
Left: 1106.171+/-0.143 χ^2/NDF: 4869.5/36

Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1104.957+/-0.166 χ^2/NDF:14565.1/33

Out: 1106.898+/-0.165 χ^2/NDF:9644.8/36

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



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

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

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

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

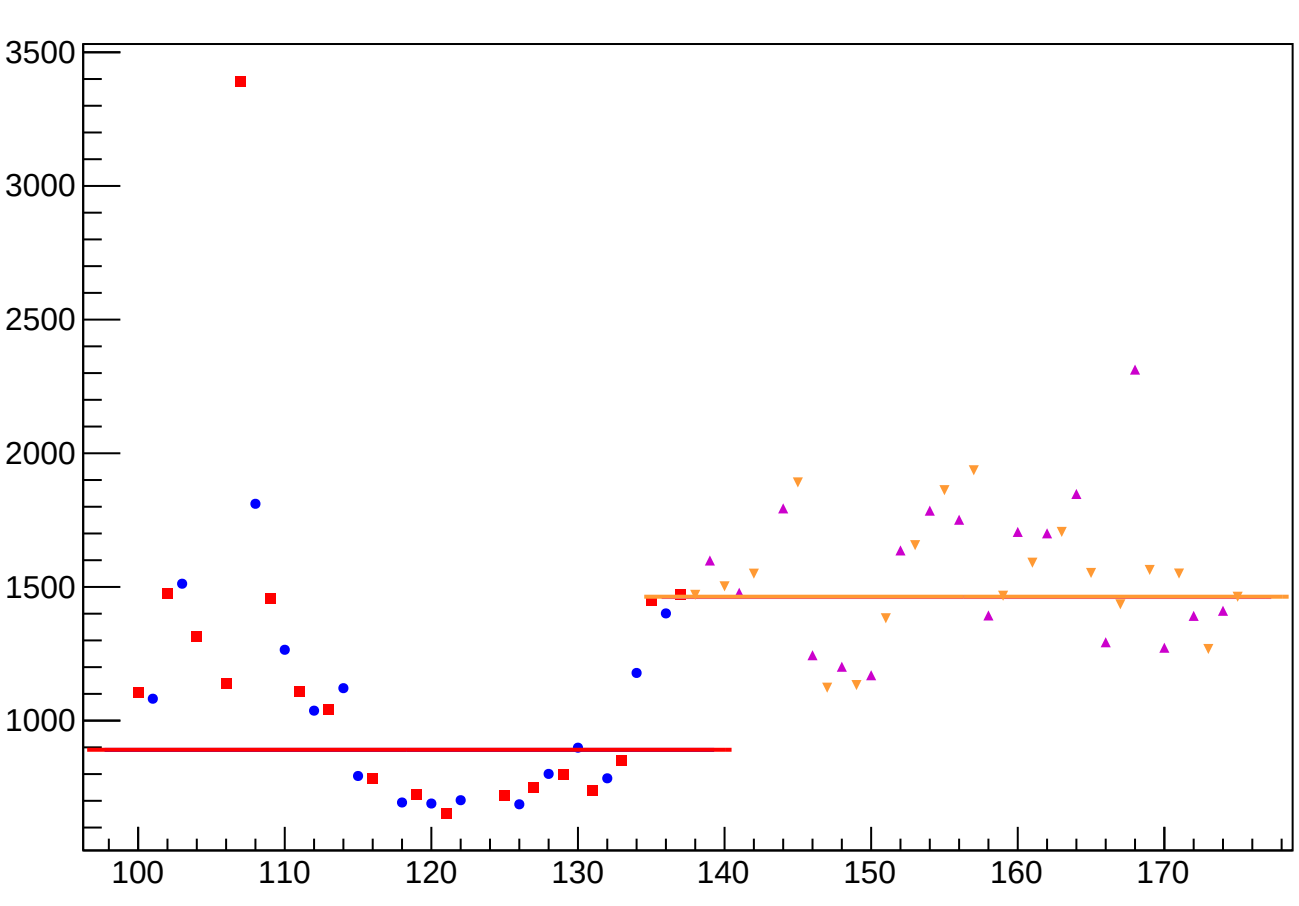
Left: -329.872+/-272.162 χ^2/NDF: 53.5/36

Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: 13.108+/-257.635 χ^2/NDF:29.7/33

Out: -125.891+/-256.809 χ^2/NDF:72.2/36

All: -56.615+/-181.883 χ^2/NDF: 102.0/70



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

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

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

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

Left: 1462.886+/-0.192 χ^2/NDF: 1533139.4/36

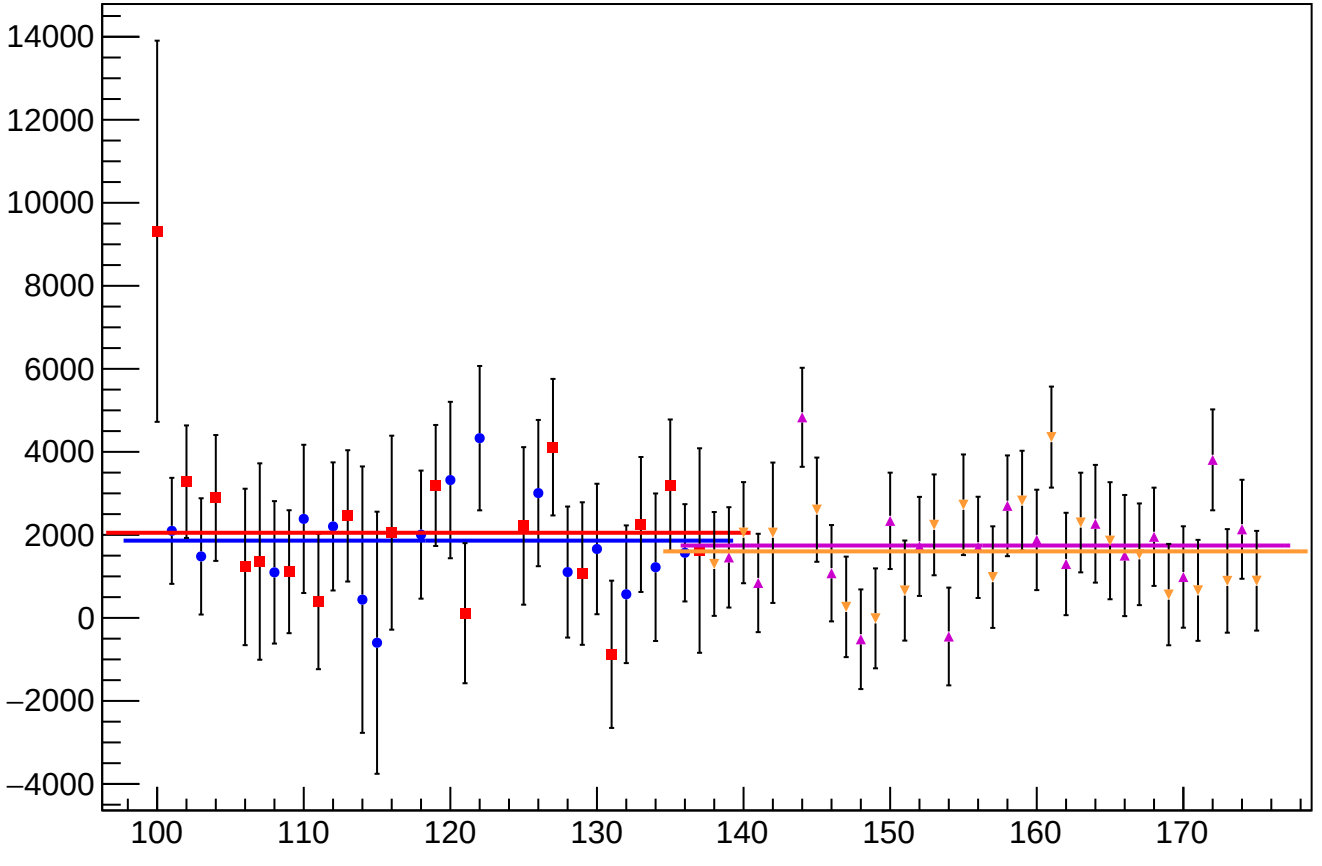
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1145.214+/-0.182 χ^2/NDF:4418610.5/33

Out: 1147.286+/-0.182 χ^2/NDF:4476668.3/36

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

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1672.664+/-202.355 χ^2/NDF: 33.8/36

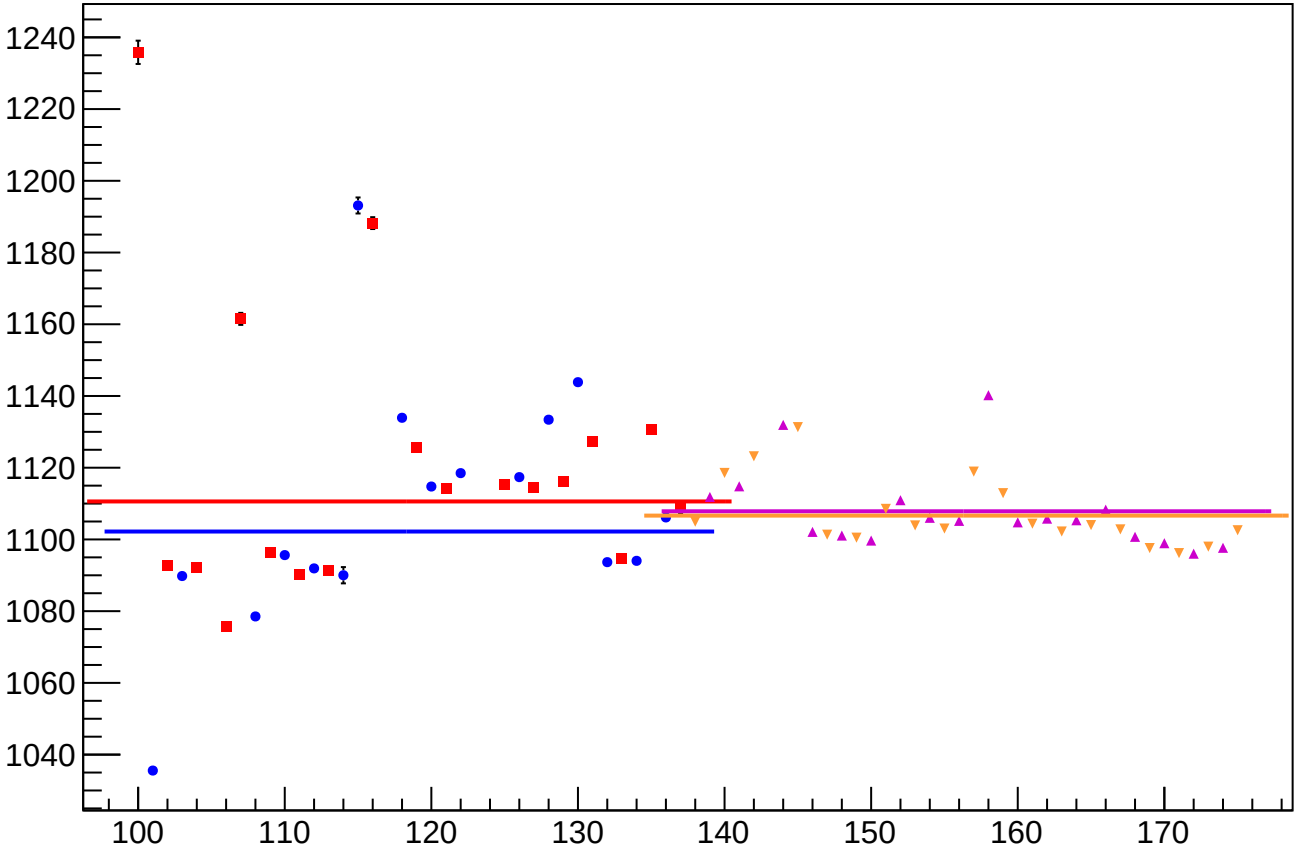
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1782.466+/-235.133 χ^2/NDF:24.7/33

Out: 1749.197+/-233.969 χ^2/NDF:27.8/36

All: 1765.749+/-165.851 χ^2/NDF: 52.5/70

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

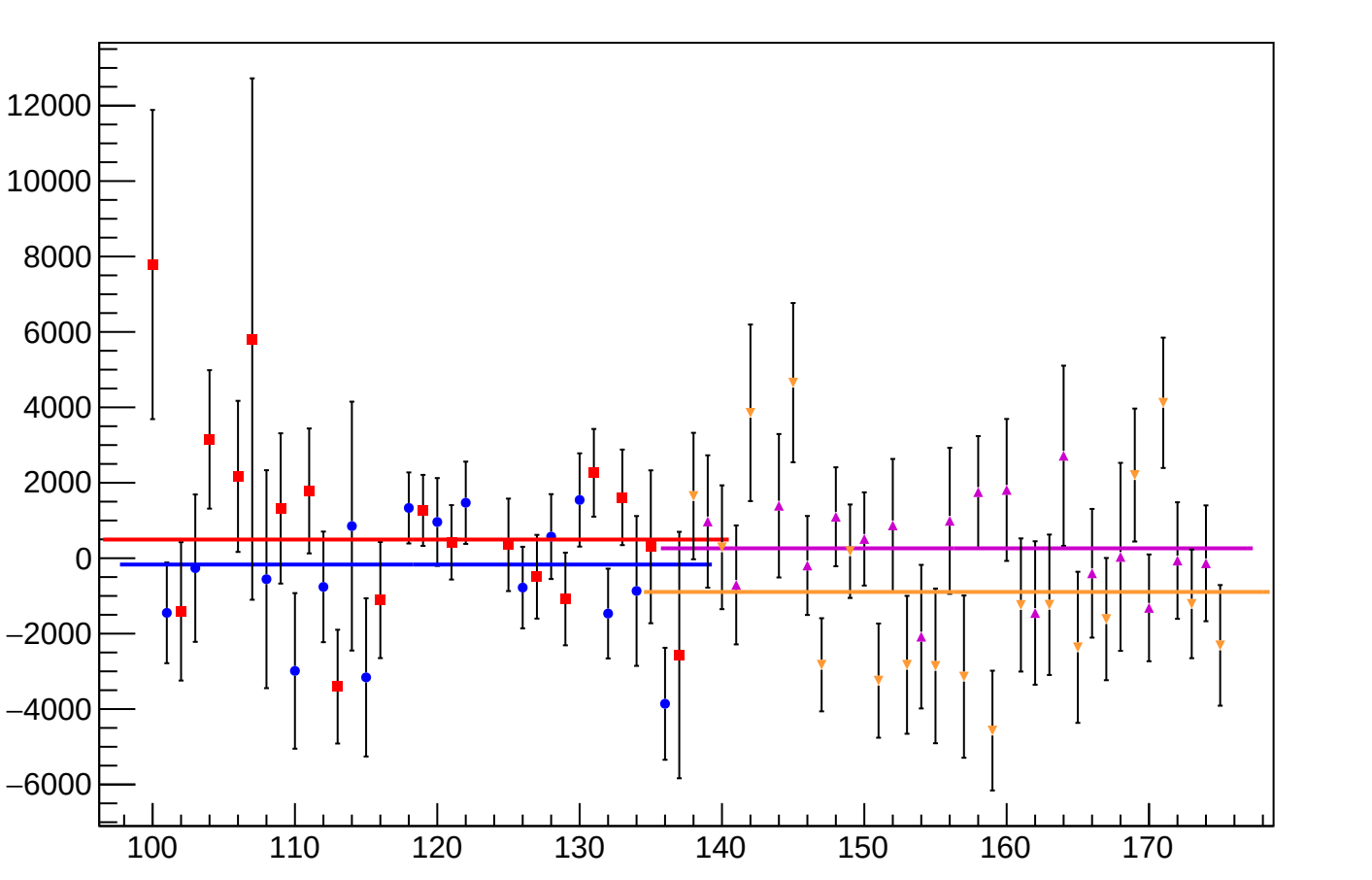
Left: 1107.242+/-0.143 χ^2/NDF: 5099.7/36

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1105.988+/-0.166 χ^2/NDF:14710.5/33

Out: 1107.935+/-0.165 χ^2/NDF:9796.2/36

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



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

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

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

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

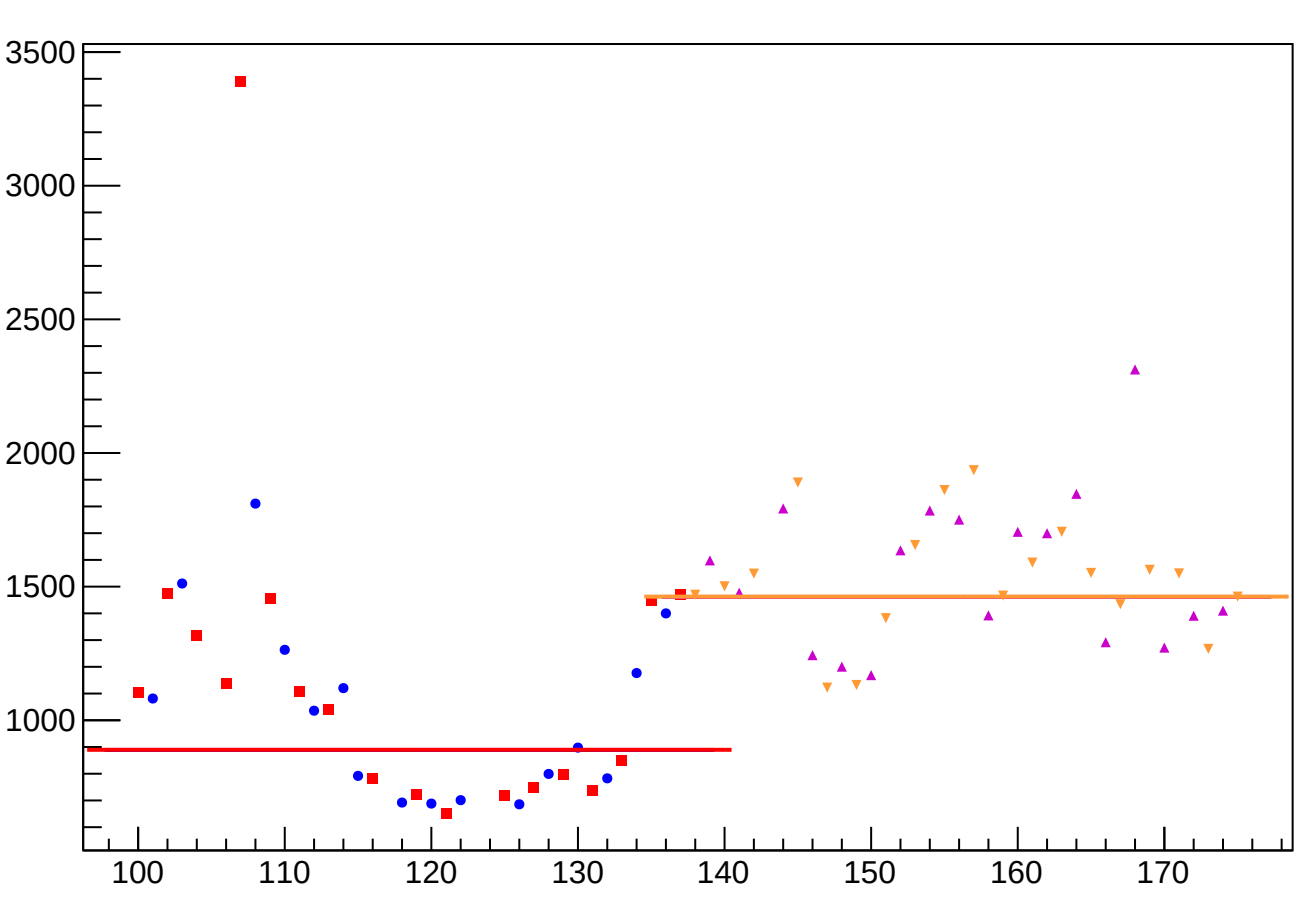
Left: -319.596+/-272.006 χ^2/NDF: 53.9/36

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 23.351+/-257.346 χ^2/NDF:30.0/33

Out: -126.369+/-256.534 χ^2/NDF:71.7/36

All: -51.746+/-181.683 χ^2/NDF: 101.8/70



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

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

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

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

Left: 1462.011+/-0.192 χ^2/NDF: 1535426.1/36

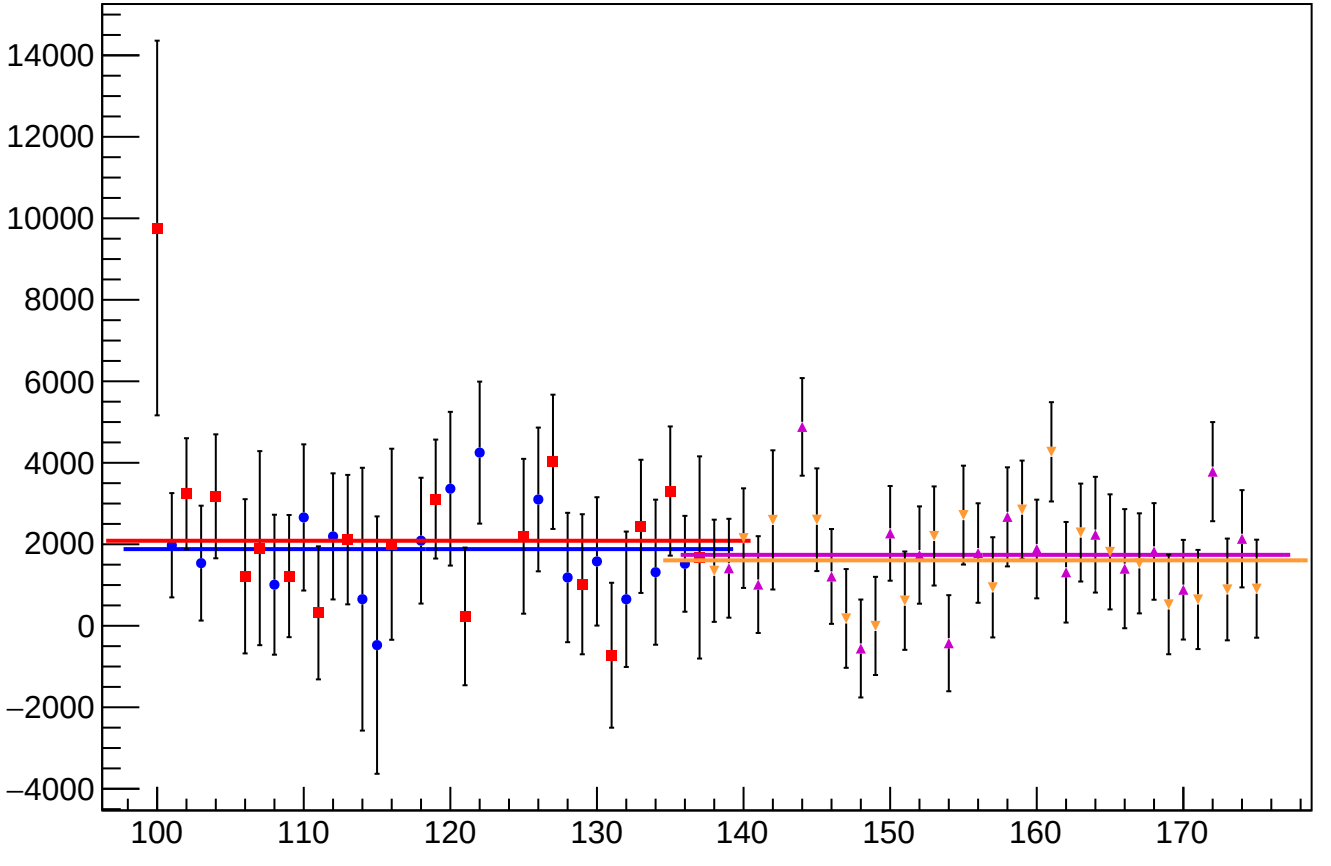
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1143.690+/-0.182 χ^2/NDF:4434450.1/33

Out: 1145.831+/-0.181 χ^2/NDF:4491526.4/36

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

dit_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1673.180+/-202.718 χ^2/NDF: 33.9/36

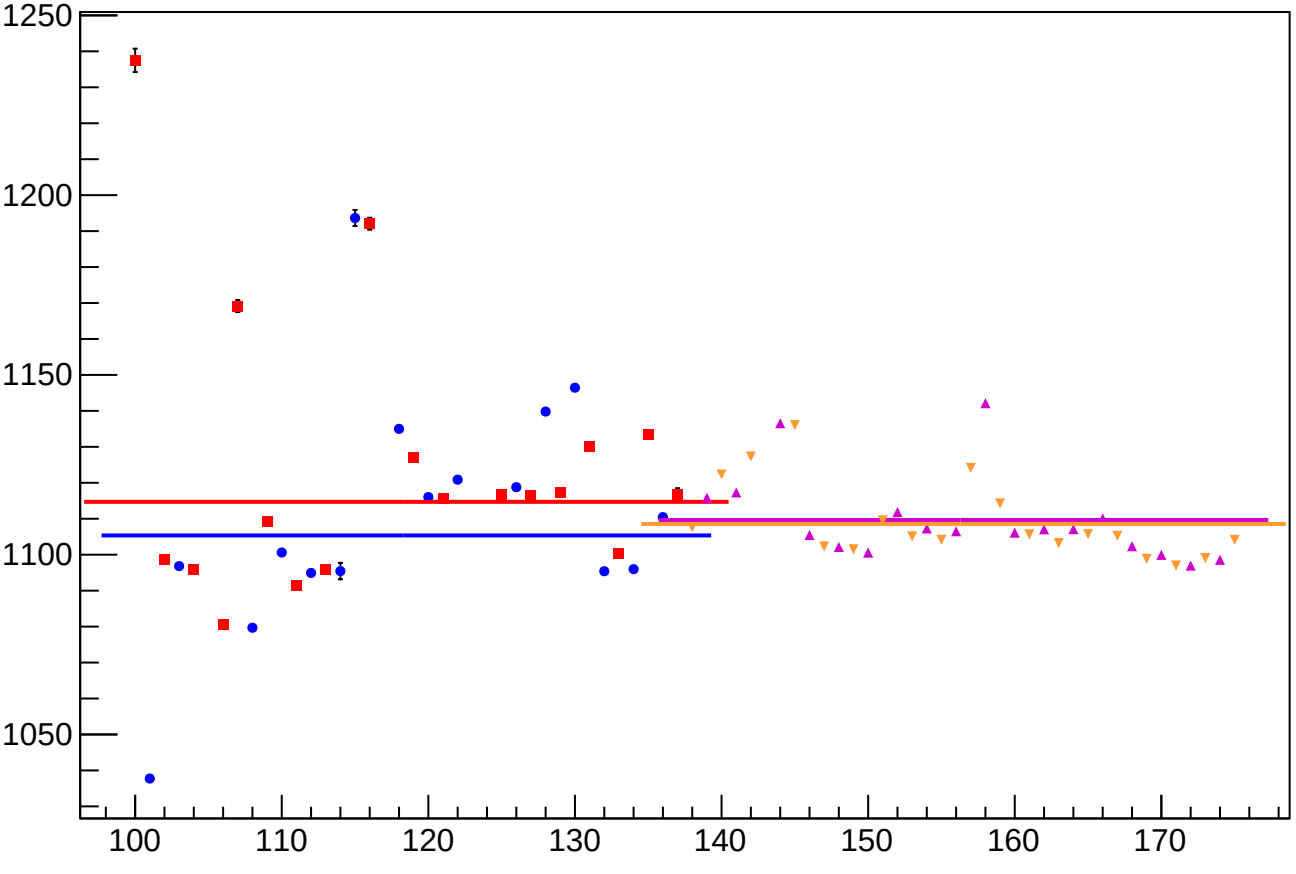
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1787.316+/-235.616 χ^2/NDF:24.4/33

Out: 1762.910+/-234.560 χ^2/NDF:28.0/36

All: 1775.058+/-166.231 χ^2/NDF: 52.3/70

dit_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

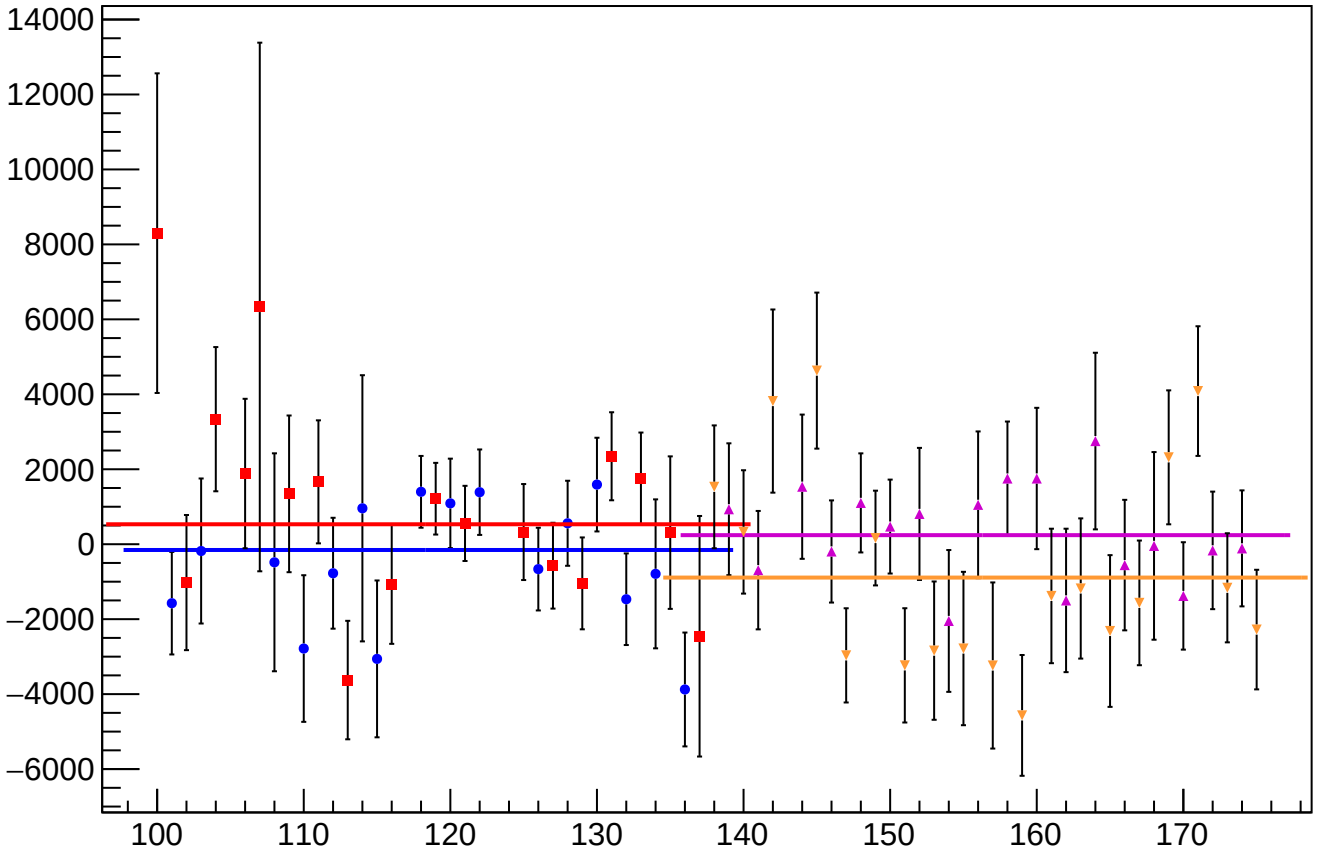
Left: 1109.105+/-0.143 χ^2/NDF: 5967.7/36

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.240+/-0.167 χ^2/NDF:14929.5/33

Out: 1110.565+/-0.166 χ^2/NDF:10133.5/36

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



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

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

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

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

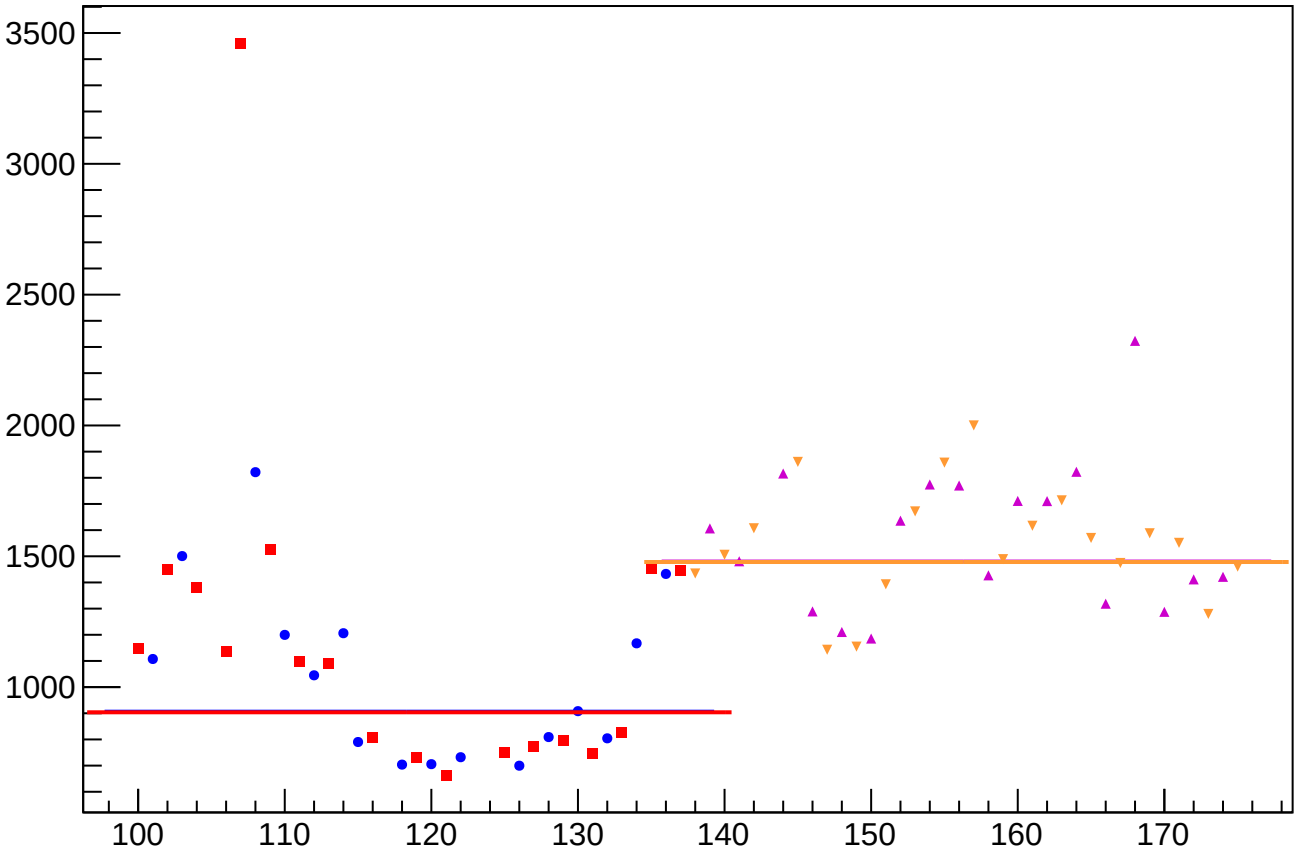
Left: -328.140+/-274.870 χ^2/NDF: 53.3/36

Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 23.232+/-261.053 χ^2/NDF:29.5/33

Out: -107.895+/-259.865 χ^2/NDF:71.3/36

All: -42.630+/-184.171 χ^2/NDF: 100.9/70



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

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

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

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

Left: 1479.006+/-0.194 χ^2/NDF: 1456065.9/36

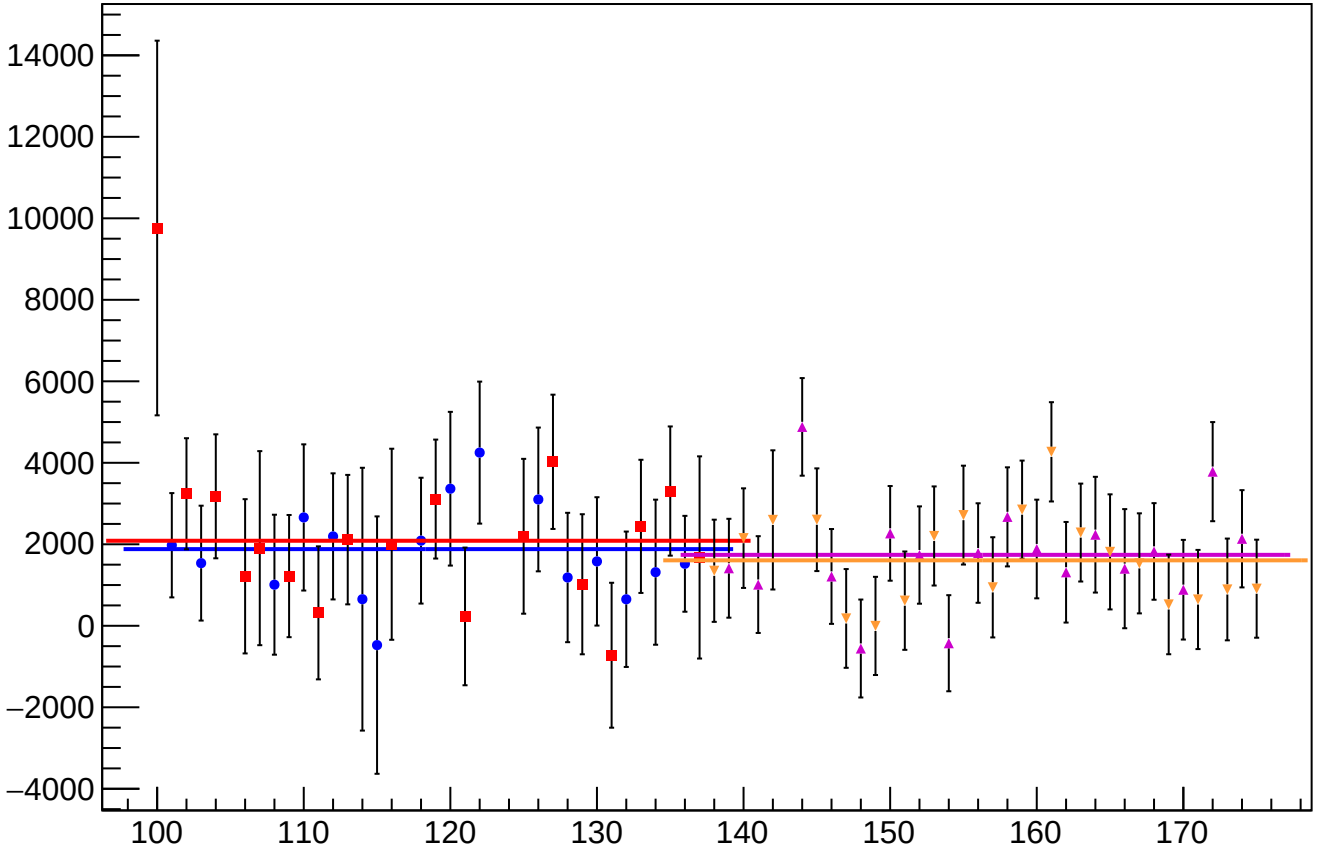
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1163.026+/-0.185 χ^2/NDF:4272055.7/33

Out: 1162.245+/-0.184 χ^2/NDF:4411555.0/36

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

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

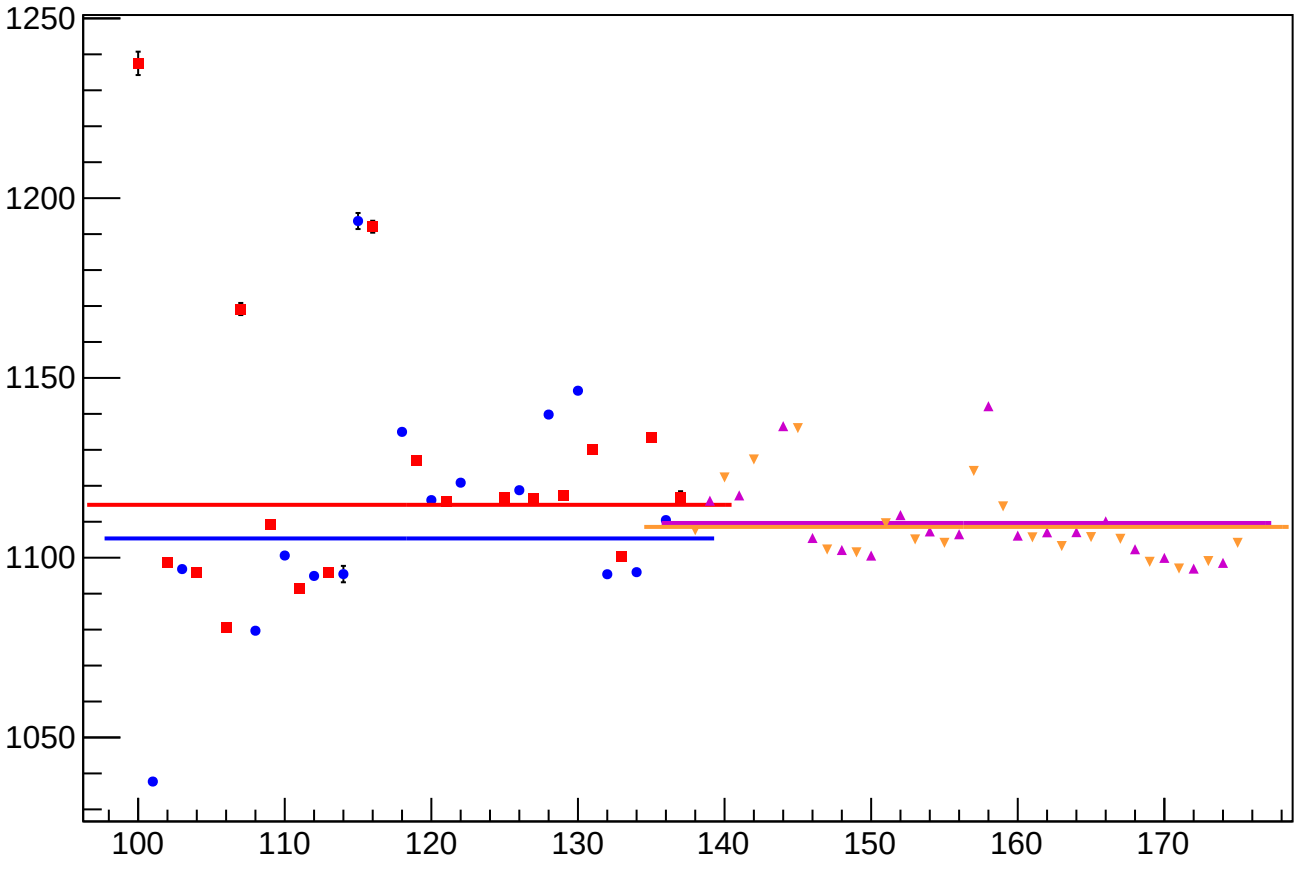
Left: 1673.179+/-202.718 χ^2/NDF: 33.9/36

Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1787.317+/-235.616 χ^2/NDF:24.4/33

Out: 1762.907+/-234.560 χ^2/NDF:28.0/36

All: 1775.057+/-166.231 χ^2/NDF: 52.3/70



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

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

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

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

Left: 1109.105+/-0.143 χ^2/NDF: 5967.7/36

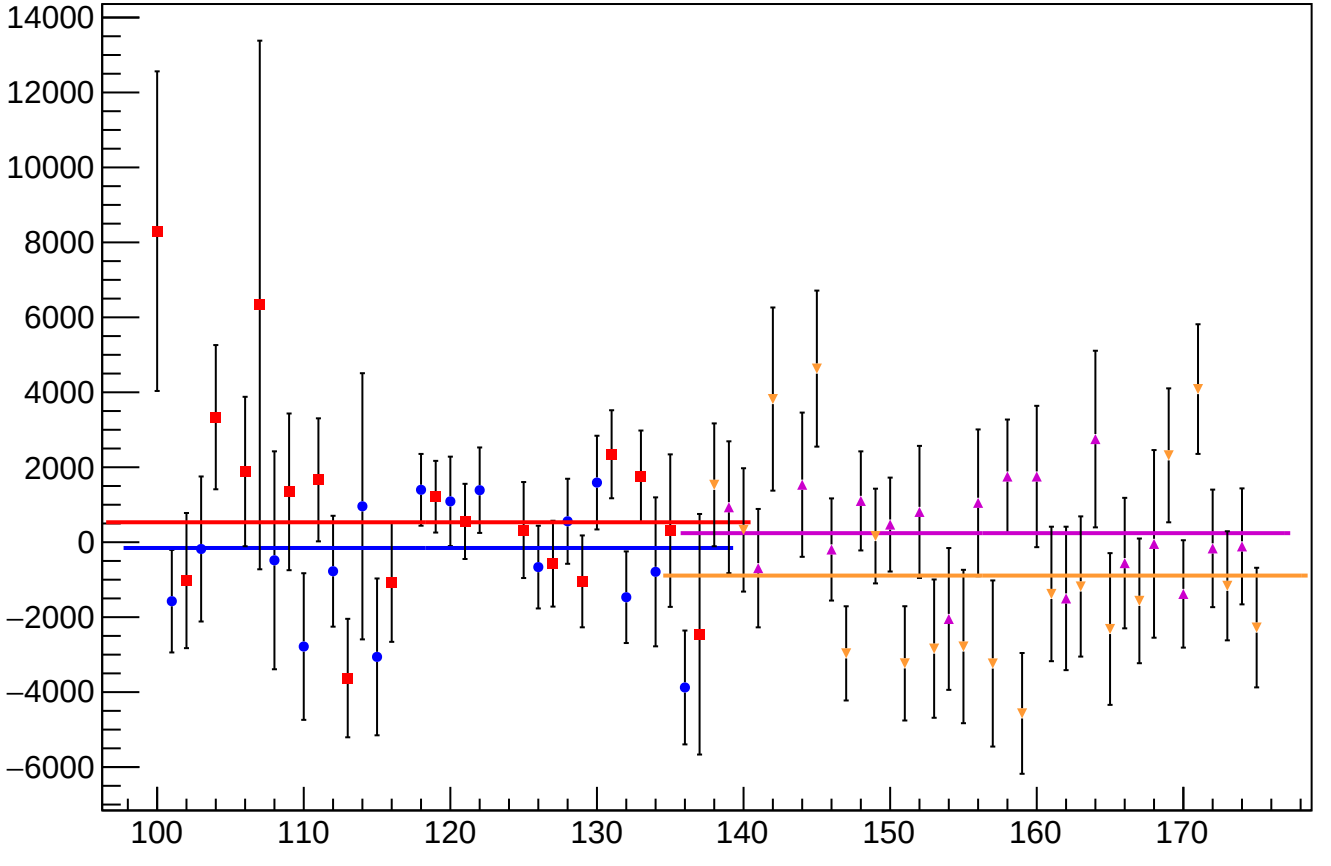
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.240+/-0.167 χ^2/NDF:14929.5/33

Out: 1110.565+/-0.166 χ^2/NDF:10133.4/36

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

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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

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

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

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

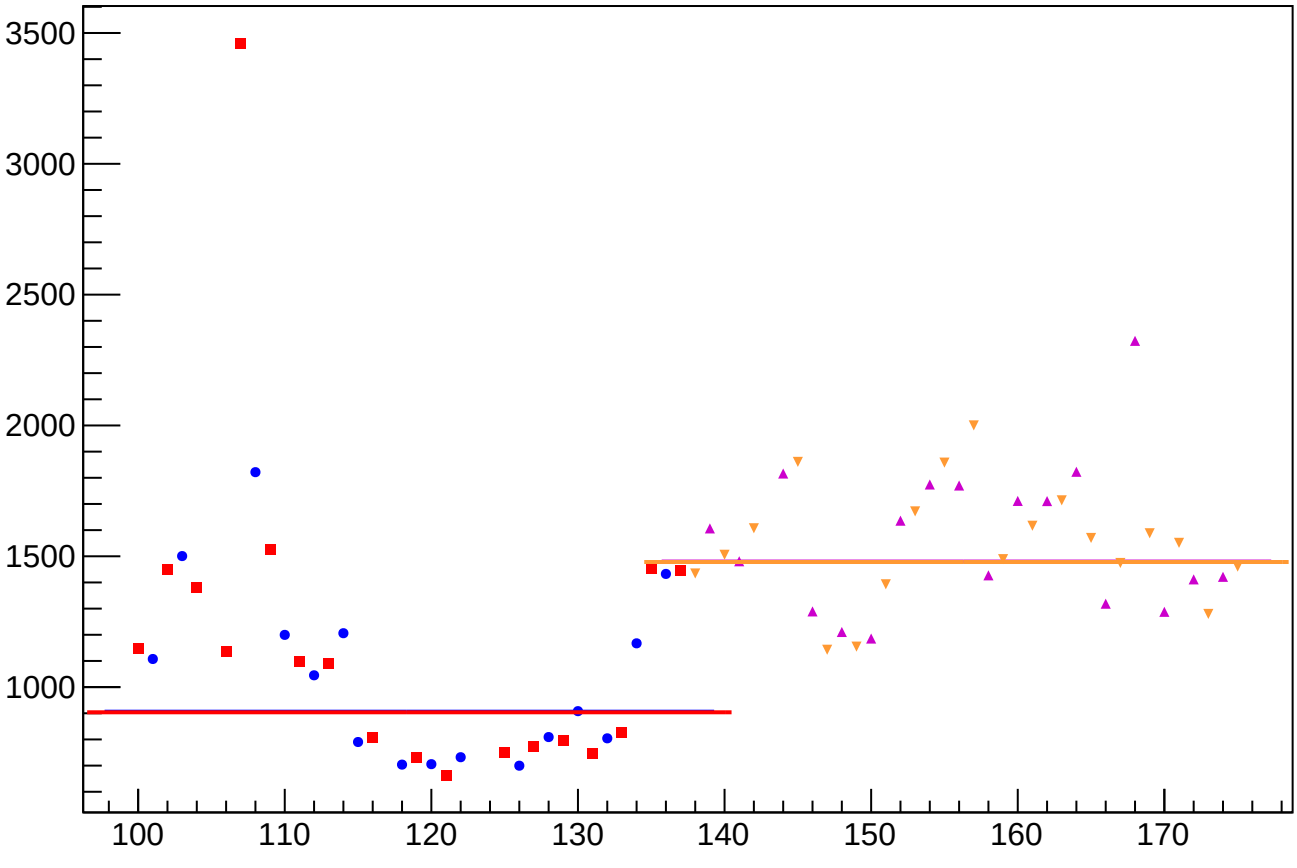
Left: -328.142+/-274.870 χ^2/NDF: 53.3/36

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 23.232+/-261.052 χ^2/NDF:29.5/33

Out: -107.895+/-259.865 χ^2/NDF:71.3/36

All: -42.630+/-184.171 χ^2/NDF: 100.9/70



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

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

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

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

Left: 1479.008+/-0.194 χ^2/NDF: 1456059.4/36

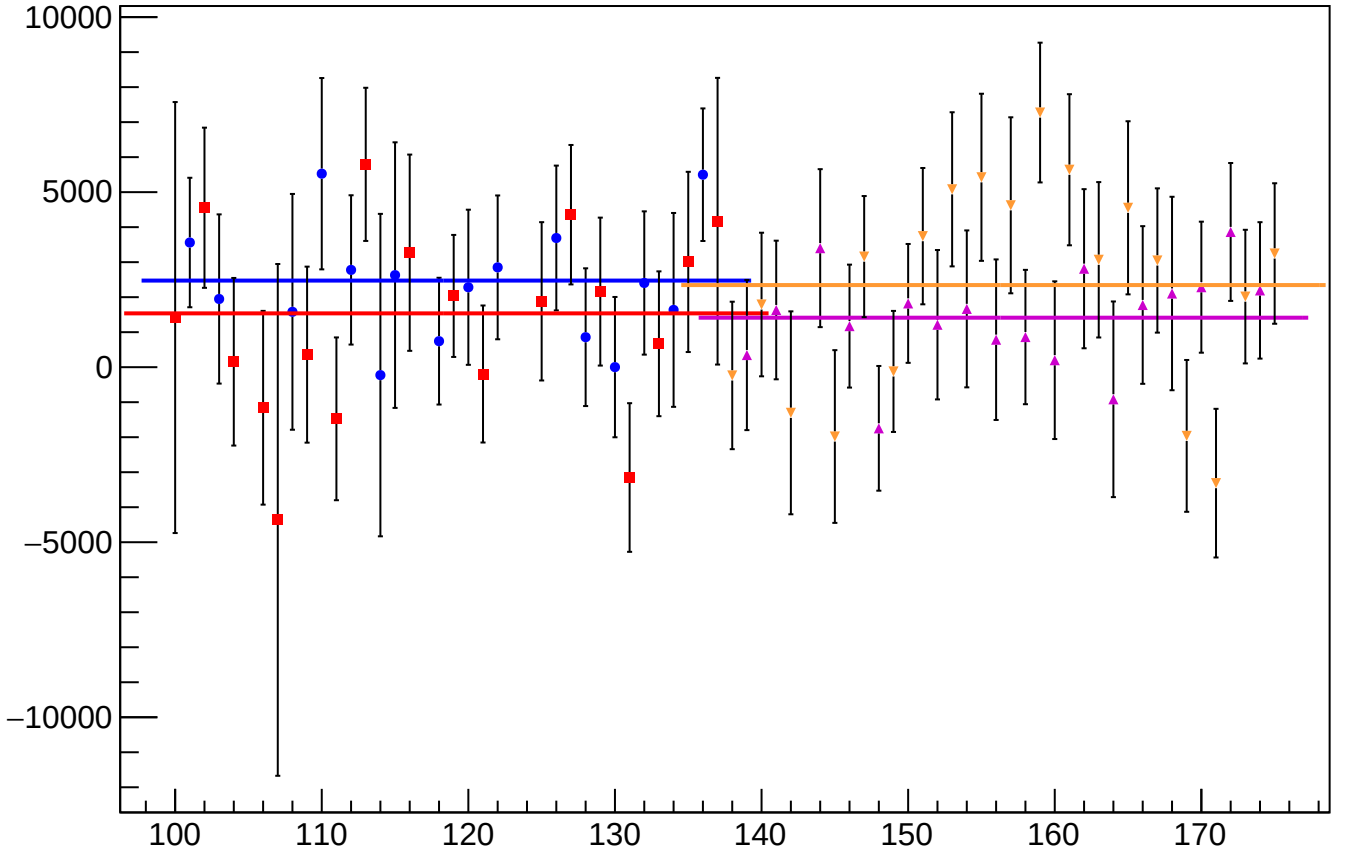
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1163.025+/-0.185 χ^2/NDF:4272088.1/33

Out: 1162.243+/-0.184 χ^2/NDF:4411588.4/36

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

asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1882.756+/-344.354 χ^2/NDF: 43.4/36

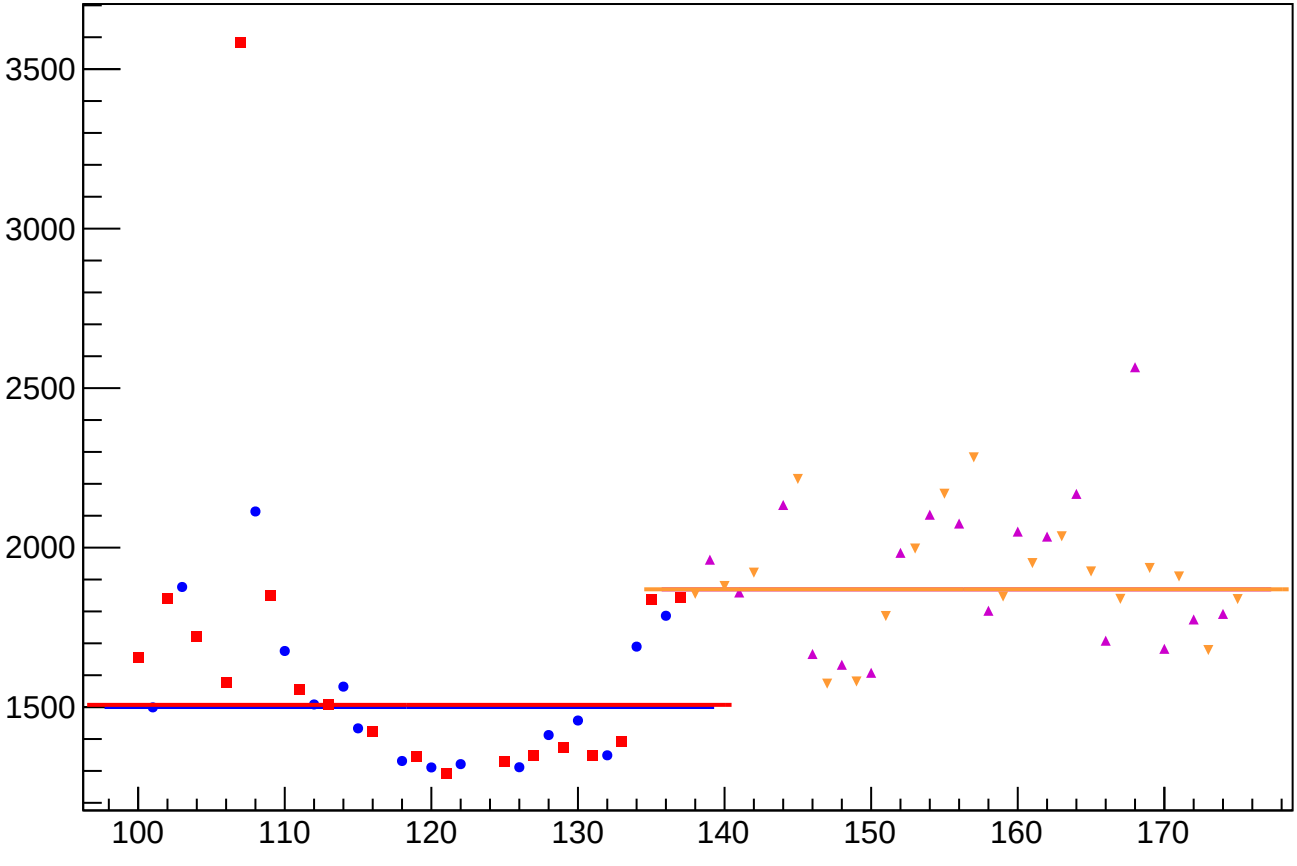
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1869.377+/-368.948 χ^2/NDF:18.1/33

Out: 2001.503+/-367.790 χ^2/NDF:53.5/36

All: 1935.648+/-260.475 χ^2/NDF: 71.6/70

asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

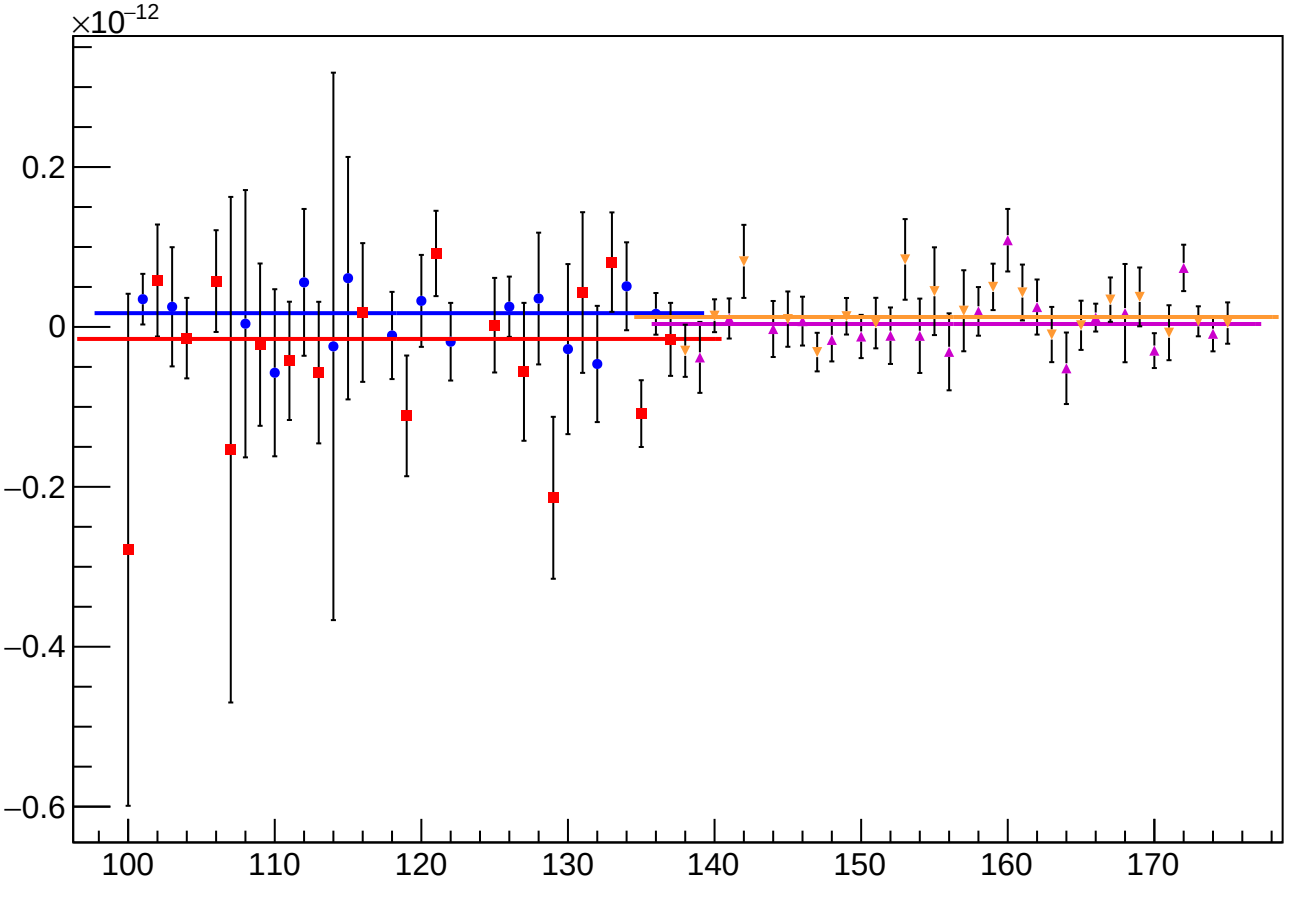
Left: 1869.212+/-0.243 χ^2/NDF: 687284.4/36

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1710.606+/-0.261 χ^2/NDF:1146176.7/33

Out: 1715.075+/-0.260 χ^2/NDF:1164996.1/36

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



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

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

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

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

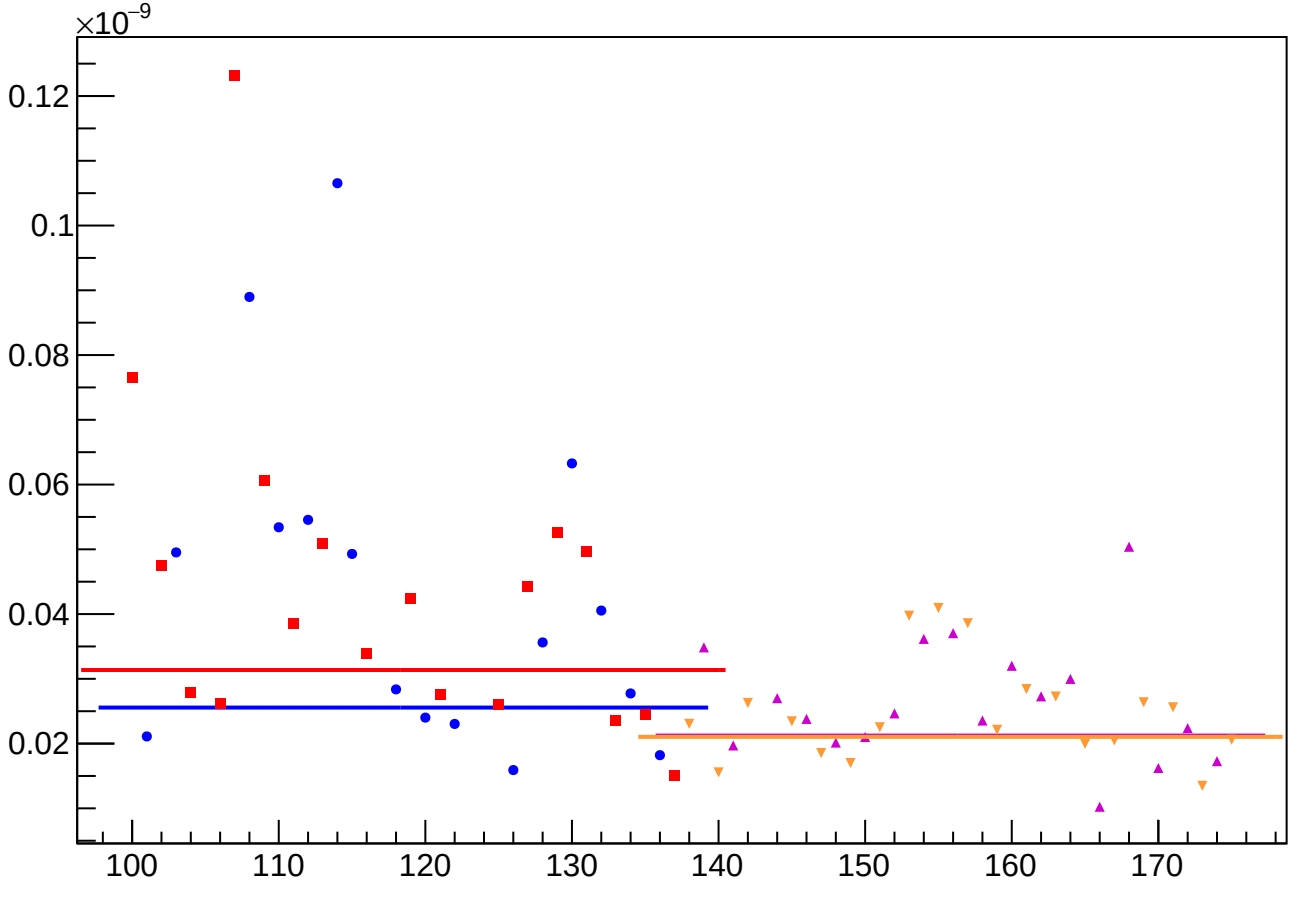
Left: 0.000+/-0.000 χ^2/NDF: 35.9/36

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:25.0/33

Out: 0.000+/-0.000 χ^2/NDF:38.1/36

All: 0.000+/-0.000 χ^2/NDF: 63.1/70



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

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

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

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

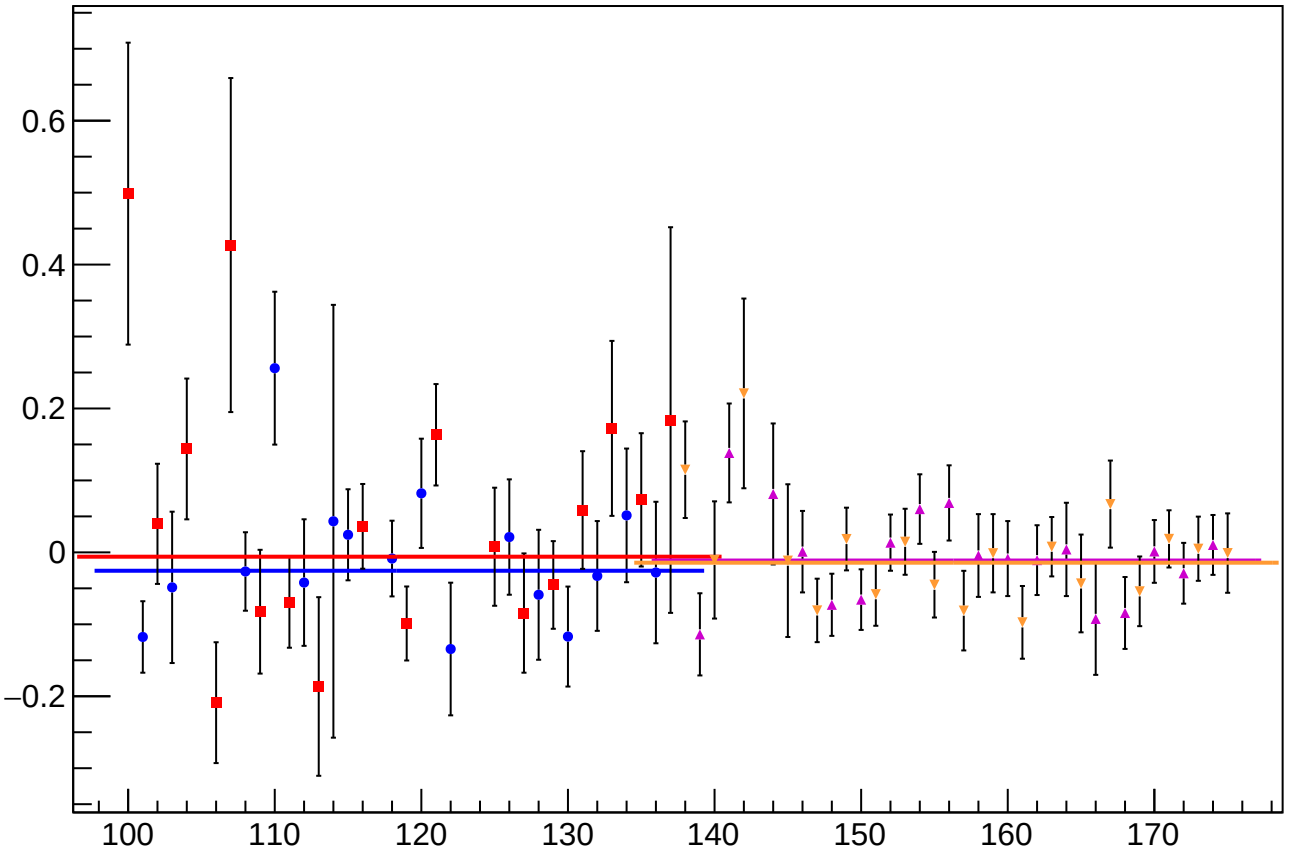
Left: 0.000+/-0.000 χ^2/NDF: 4044474.6/36

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:4297605.2/33

Out: 0.000+/-0.000 χ^2/NDF:3540873.4/36

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



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

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

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

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

Left: -0.013+/-0.008 χ^2/NDF: 41.1/36

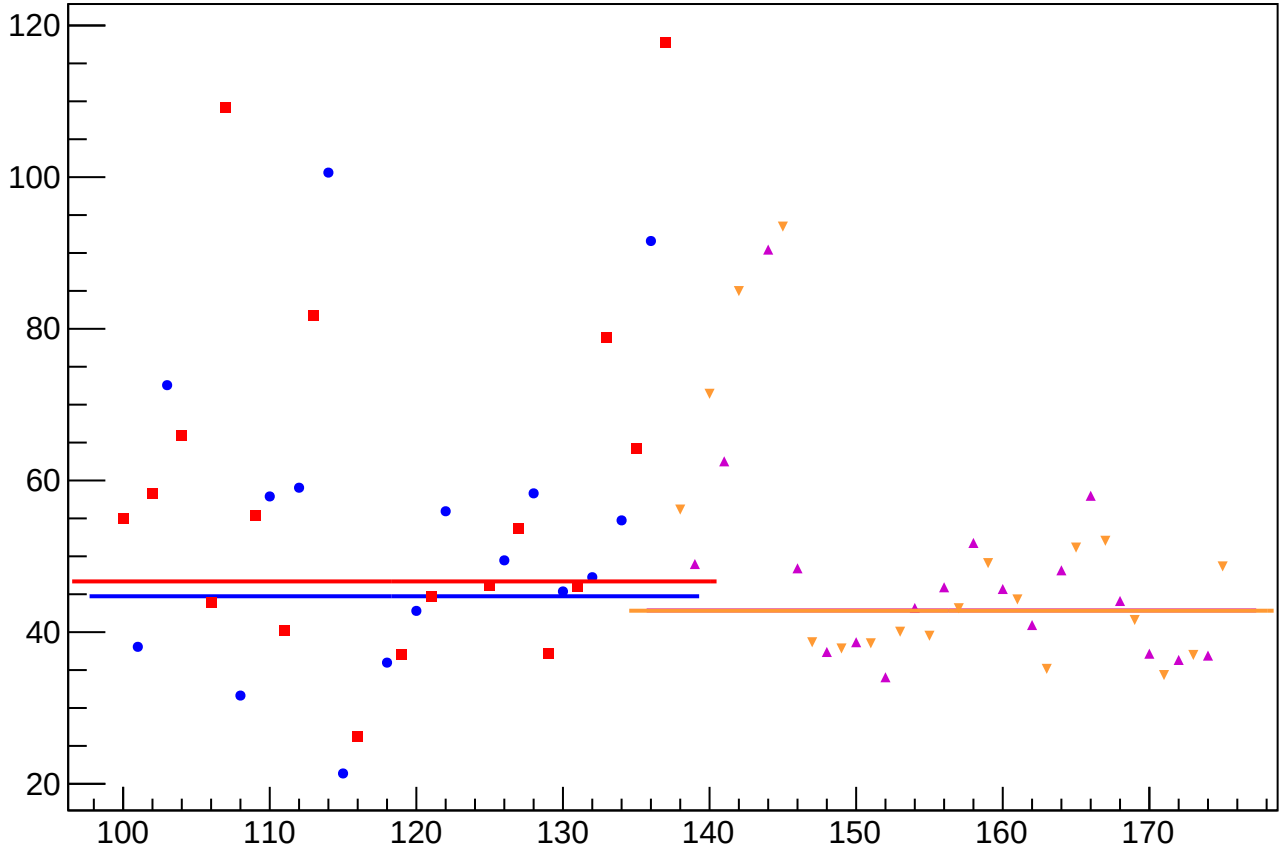
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.014+/-0.007 χ^2/NDF: 95.8/70

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

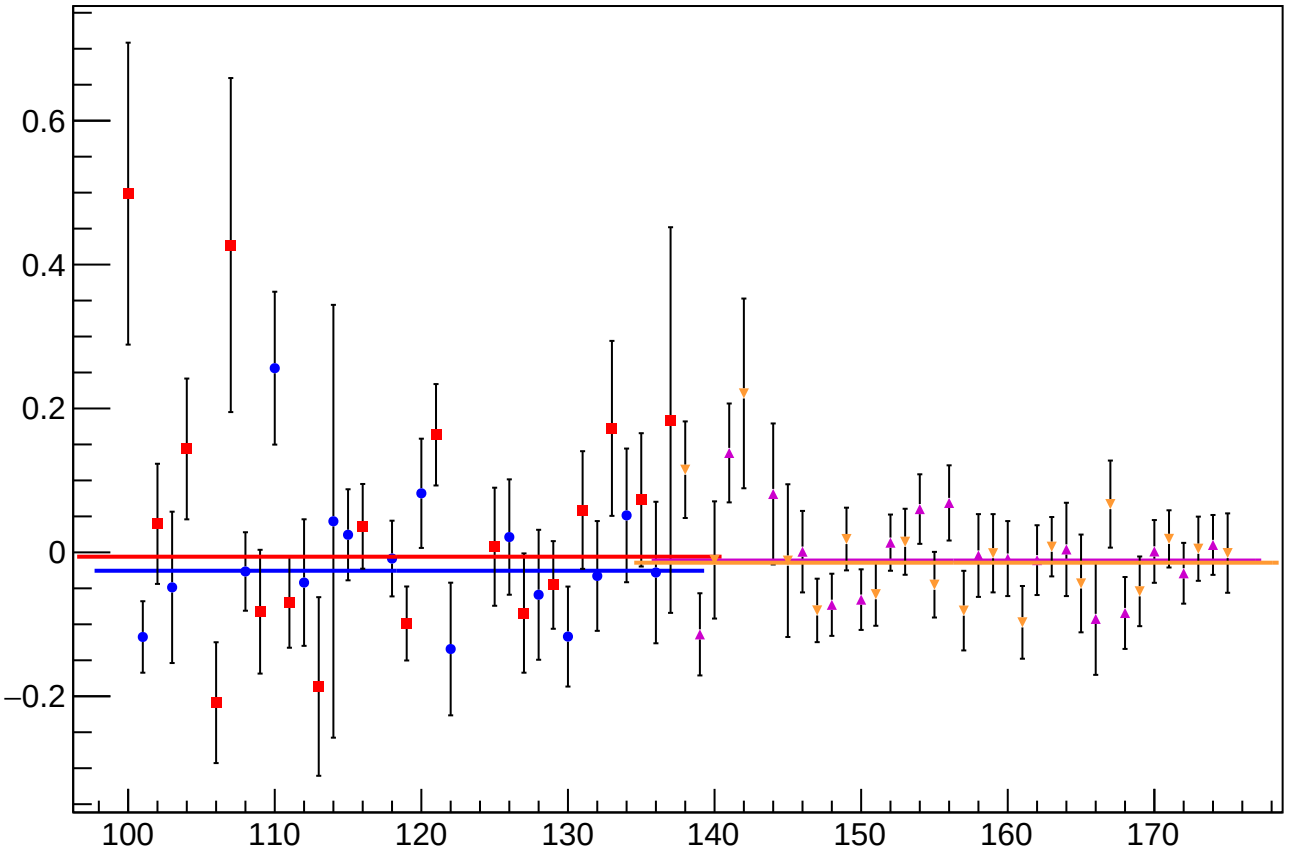
Left: 42.846+/-0.006 χ^2/NDF: 2497081.2/36

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.400+/-0.007 χ^2/NDF:2456757.4/33

Out: 43.885+/-0.007 χ^2/NDF:2642101.1/36

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



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

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

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

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

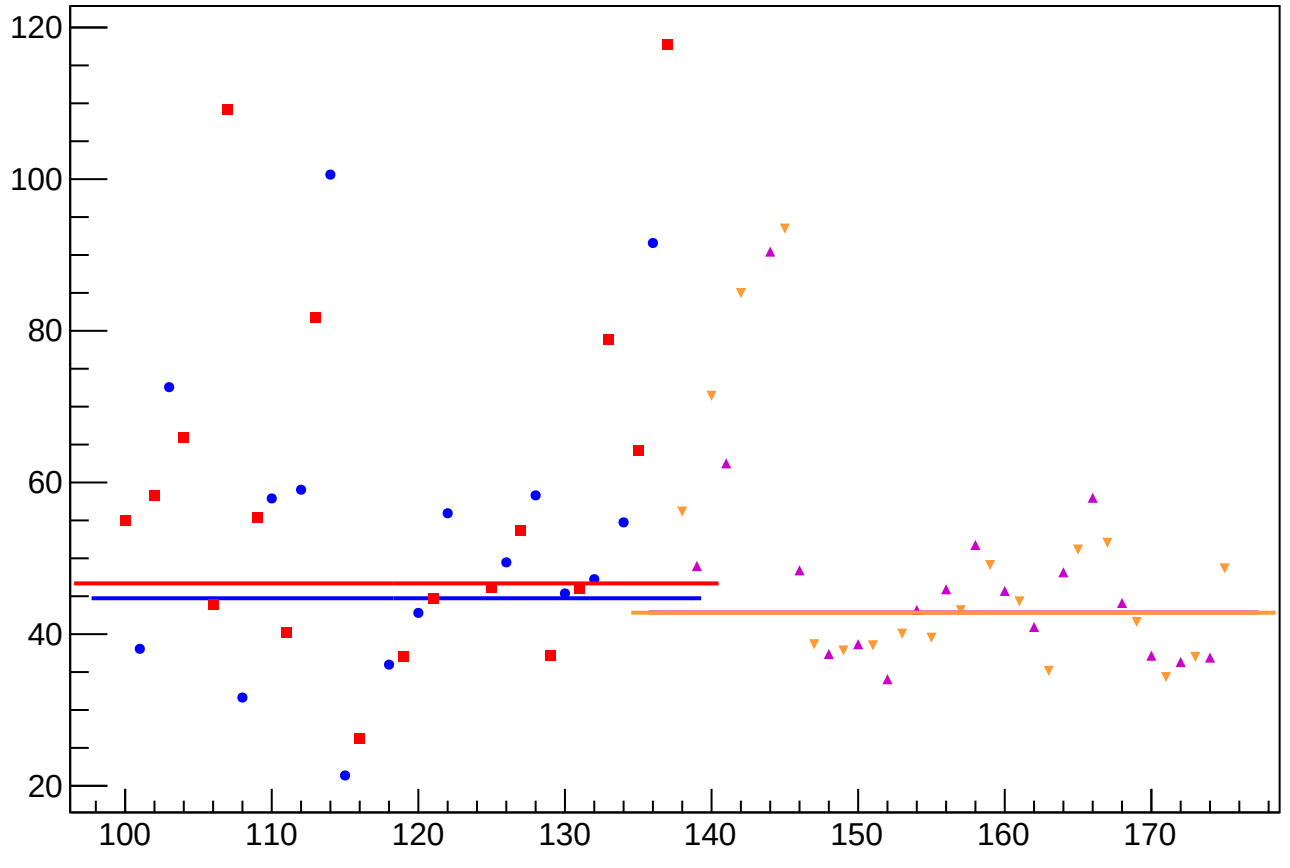
Left: -0.013+/-0.008 χ^2/NDF: 41.1/36

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.014+/-0.007 χ^2/NDF: 95.8/70



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

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

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

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

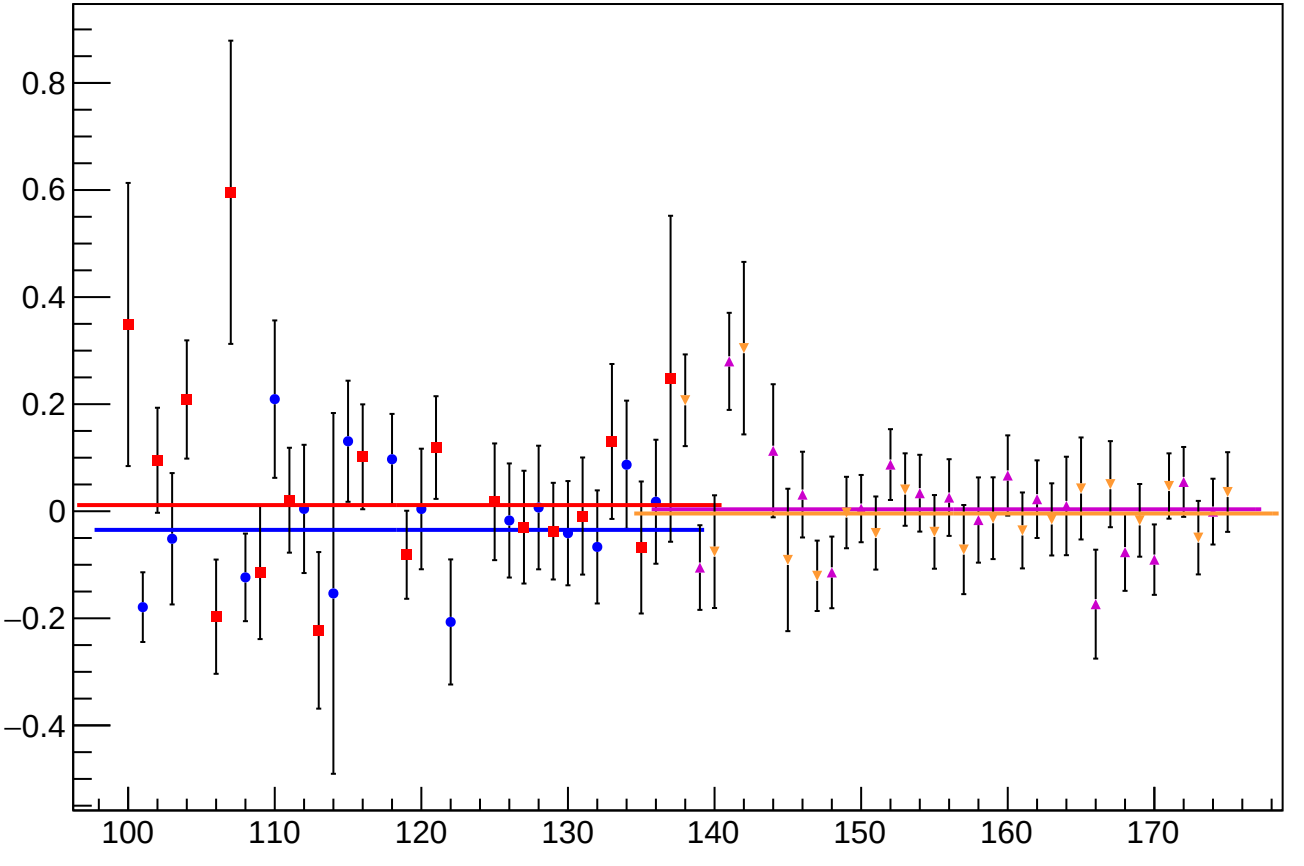
Left: 42.846+/-0.006 χ^2/NDF: 2497081.2/36

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.400+/-0.007 χ^2/NDF:2456757.4/33

Out: 43.885+/-0.007 χ^2/NDF:2642101.1/36

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



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

Left Out: -0.004+/-0.017 χ^2/NDF:17.8/18

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

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

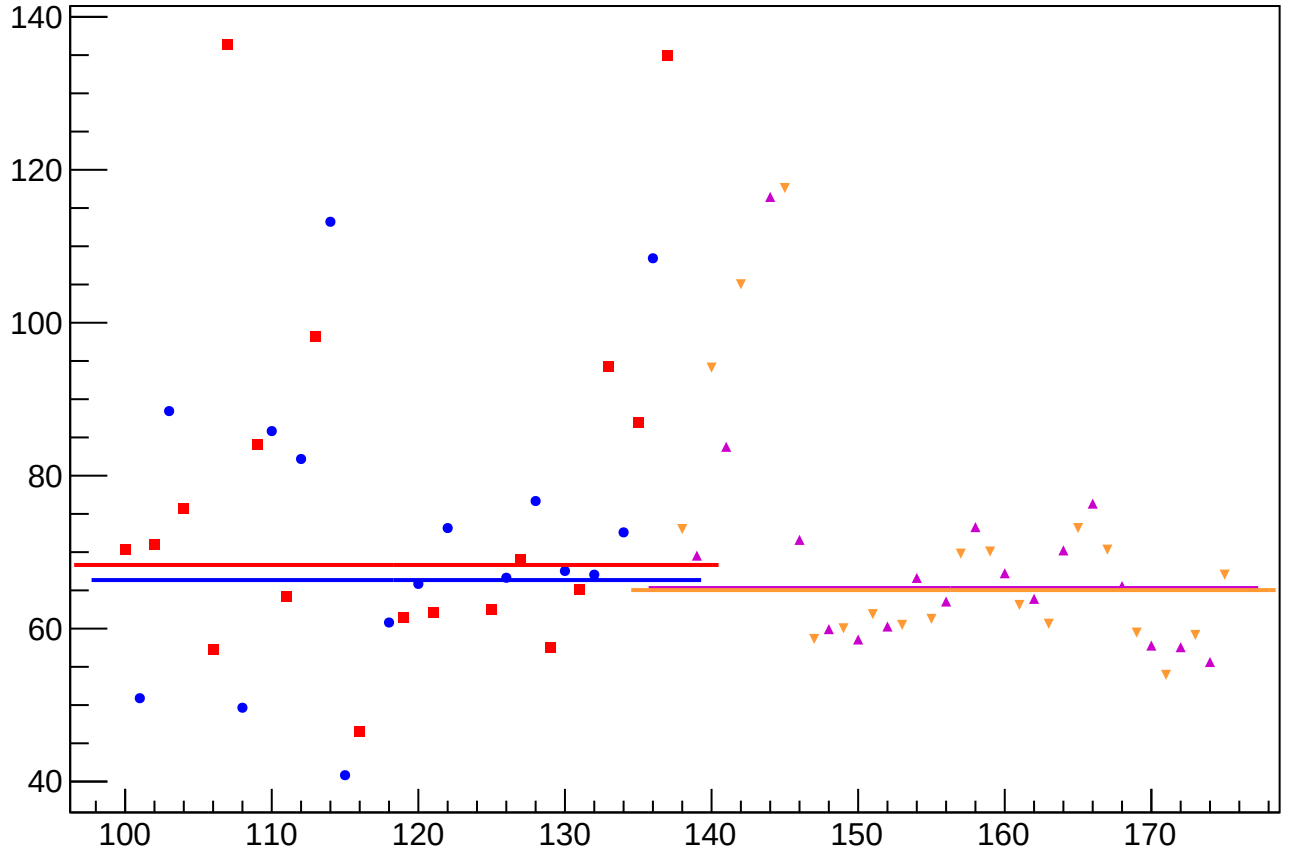
Left: -0.000+/-0.012 χ^2/NDF: 42.7/36

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.008+/-0.015 χ^2/NDF:43.7/33

Out: 0.000+/-0.015 χ^2/NDF:40.8/36

All: -0.004+/-0.010 χ^2/NDF: 84.7/70



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

Left Out: 65.038+/-0.012 χ^2/NDF:799196.9/18

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

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

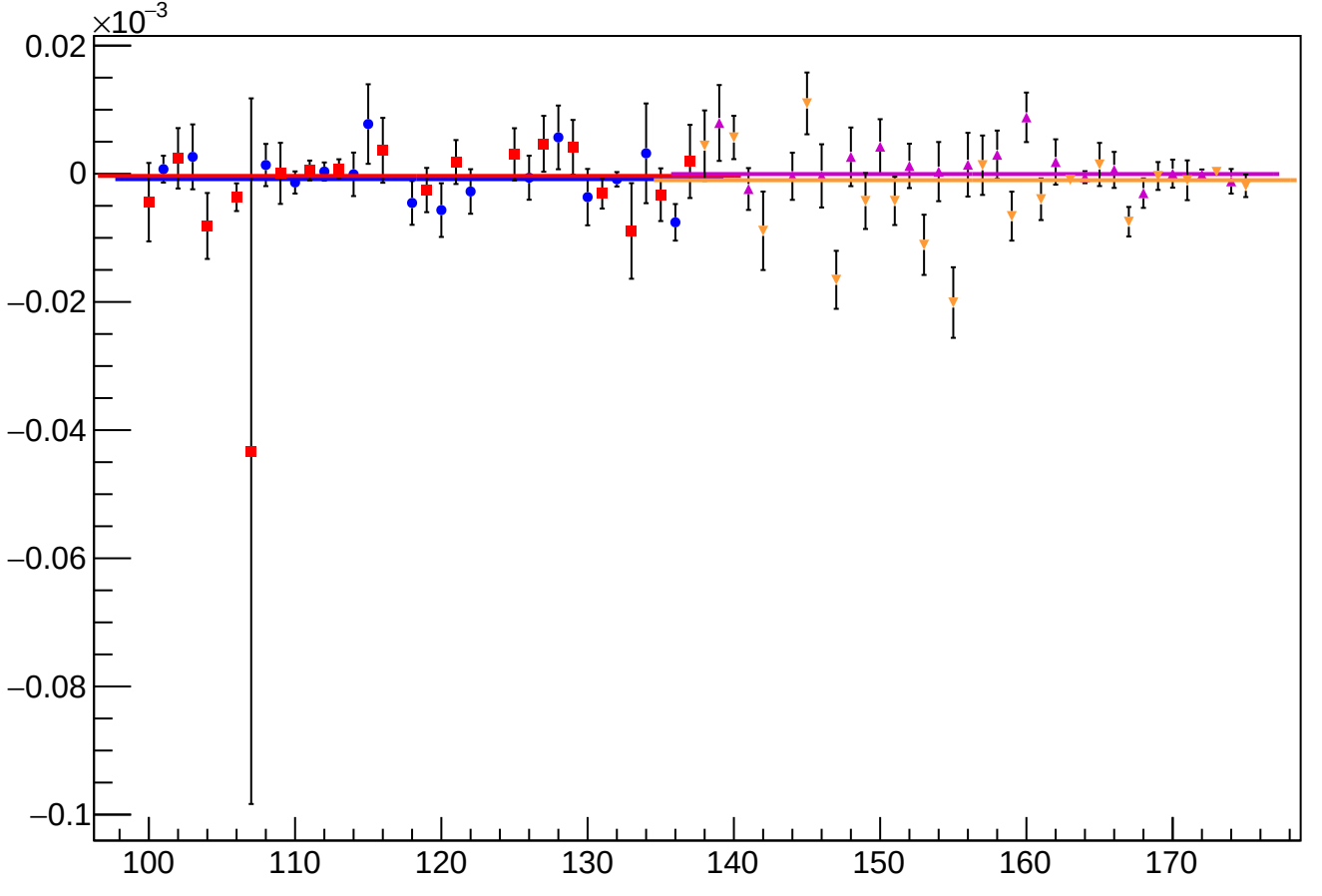
Left: 65.170+/-0.009 χ^2/NDF: 1443757.4/36

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 65.626+/-0.010 χ^2/NDF:1419166.2/33

Out: 66.007+/-0.010 χ^2/NDF:1449874.8/36

All: 65.816+/-0.007 χ^2/NDF: 2869724.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.1/18

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

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

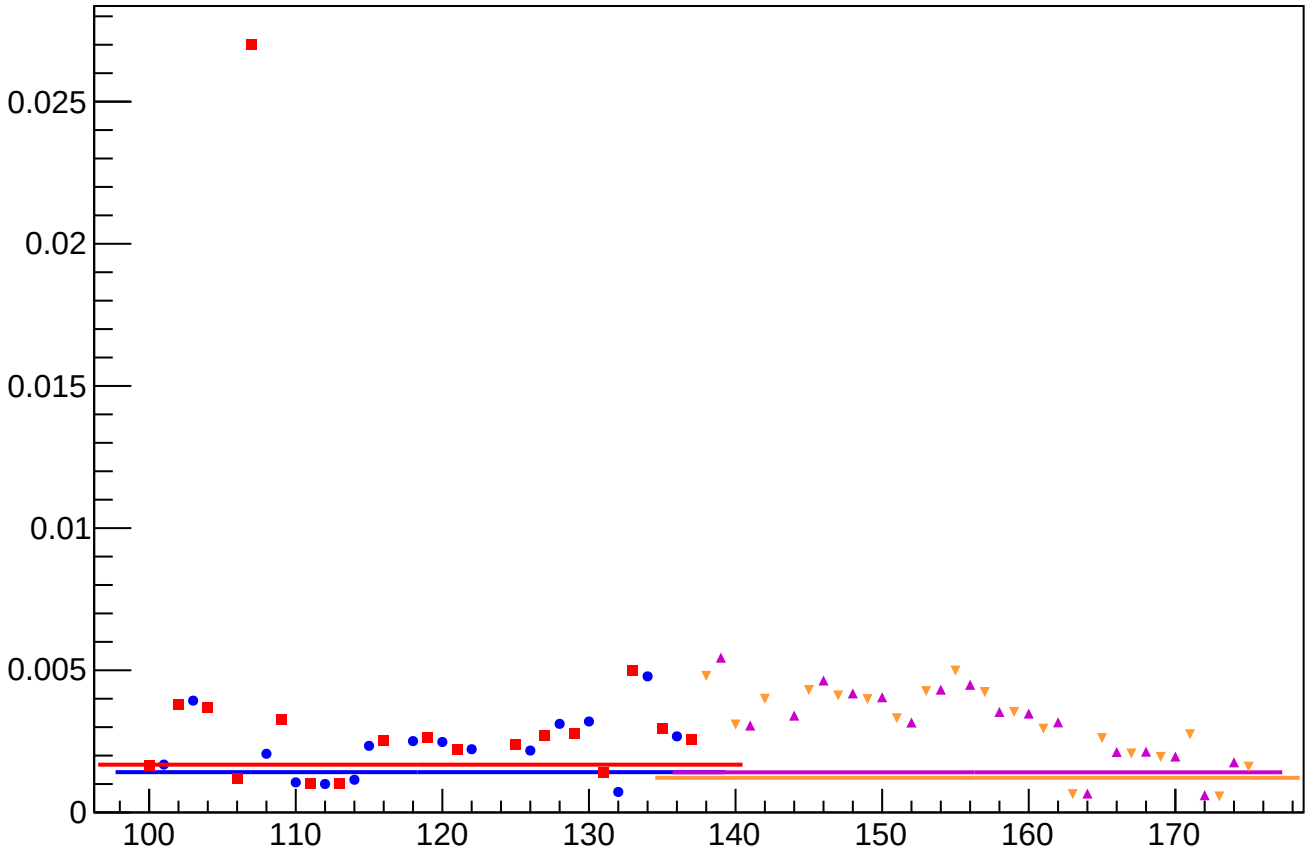
Left: -0.000+/-0.000 χ^2/NDF: 72.7/36

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:28.5/33

Out: -0.000+/-0.000 χ^2/NDF:73.5/36

All: -0.000+/-0.000 χ^2/NDF: 102.8/70



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

Left Out: 0.001+/-0.000 χ^2/NDF:13258871.5/18

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

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

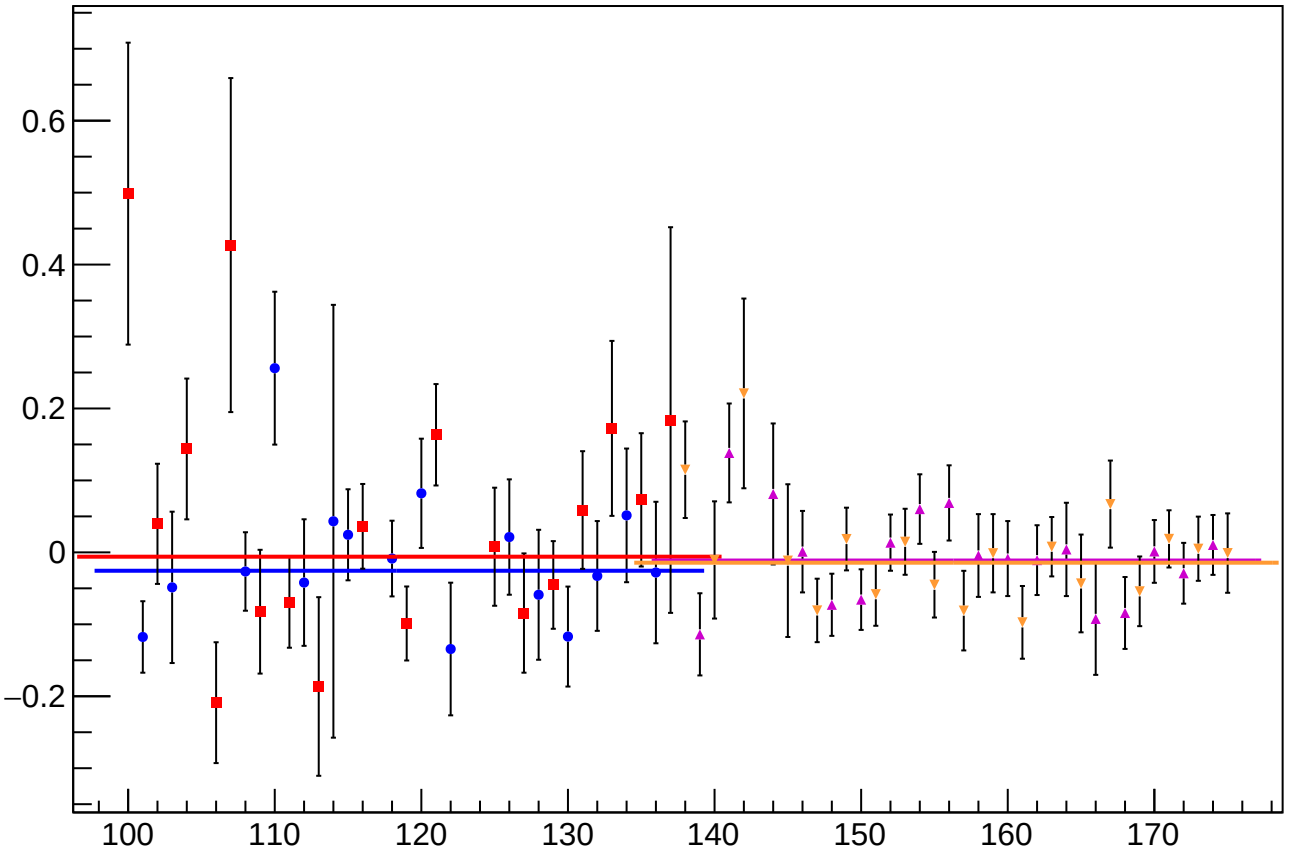
Left: 0.001+/-0.000 χ^2/NDF: 25396047.1/36

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:15507478.3/33

Out: 0.001+/-0.000 χ^2/NDF:17289675.1/36

All: 0.001+/-0.000 χ^2/NDF: 32836340.1/70



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

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

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

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

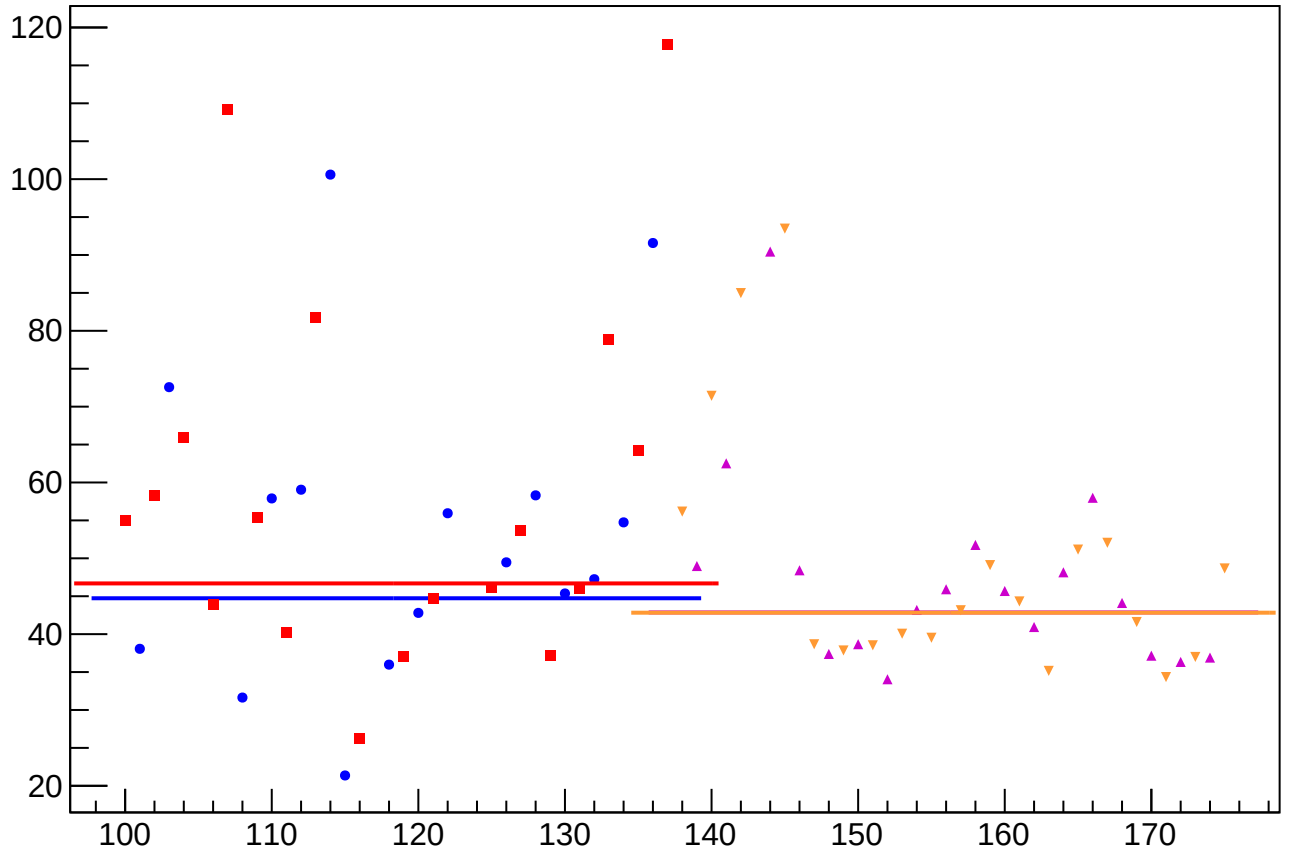
Left: -0.013+/-0.008 χ^2/NDF: 41.1/36

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.014+/-0.007 χ^2/NDF: 95.8/70



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

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

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

Left: 42.846+/-0.006 χ^2/NDF: 2497024.7/36

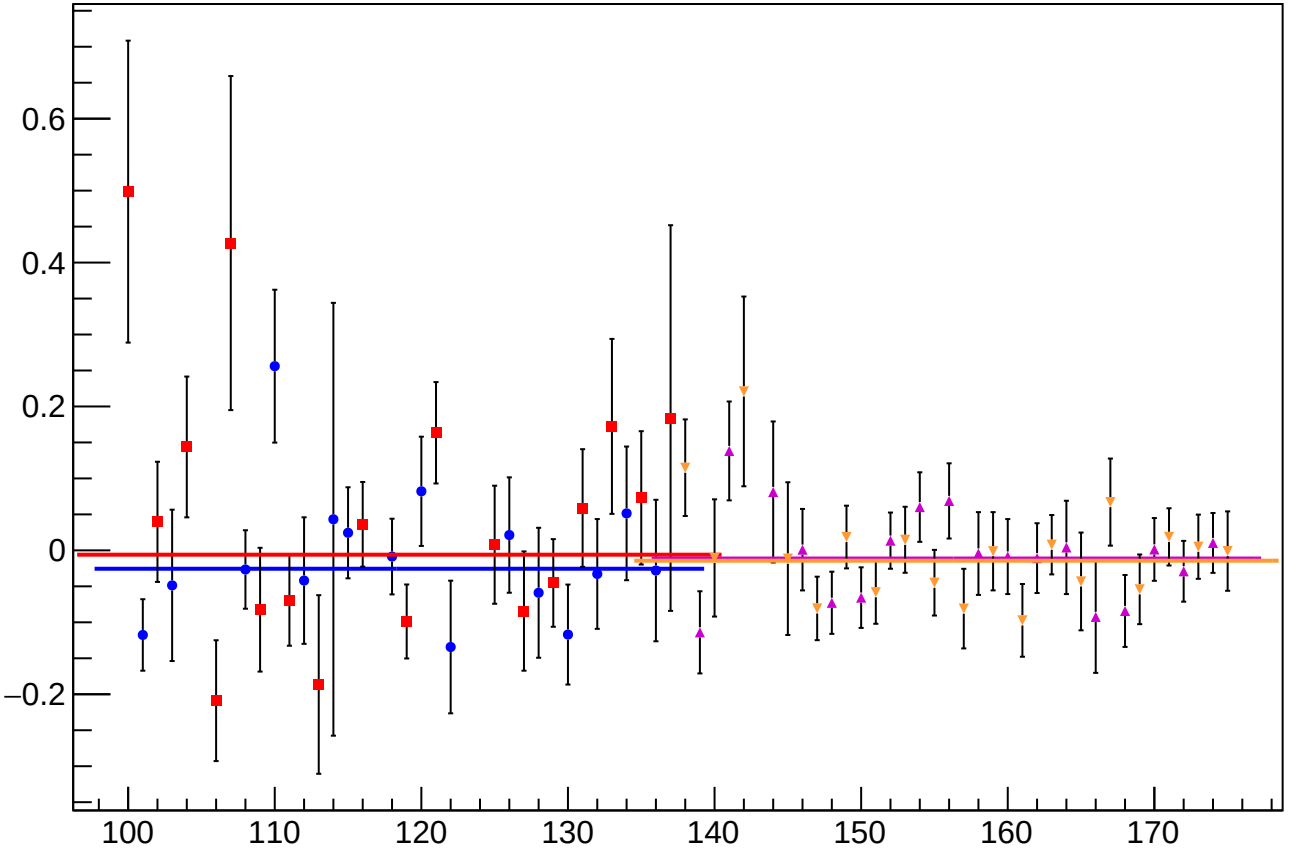
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.400+/-0.007 χ^2/NDF:2456778.1/33

Out: 43.885+/-0.007 χ^2/NDF:2642077.1/36

All: 43.641+/-0.005 χ^2/NDF: 5101160.4/70

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

Left: -0.013+/-0.008 χ^2/NDF: 41.1/36

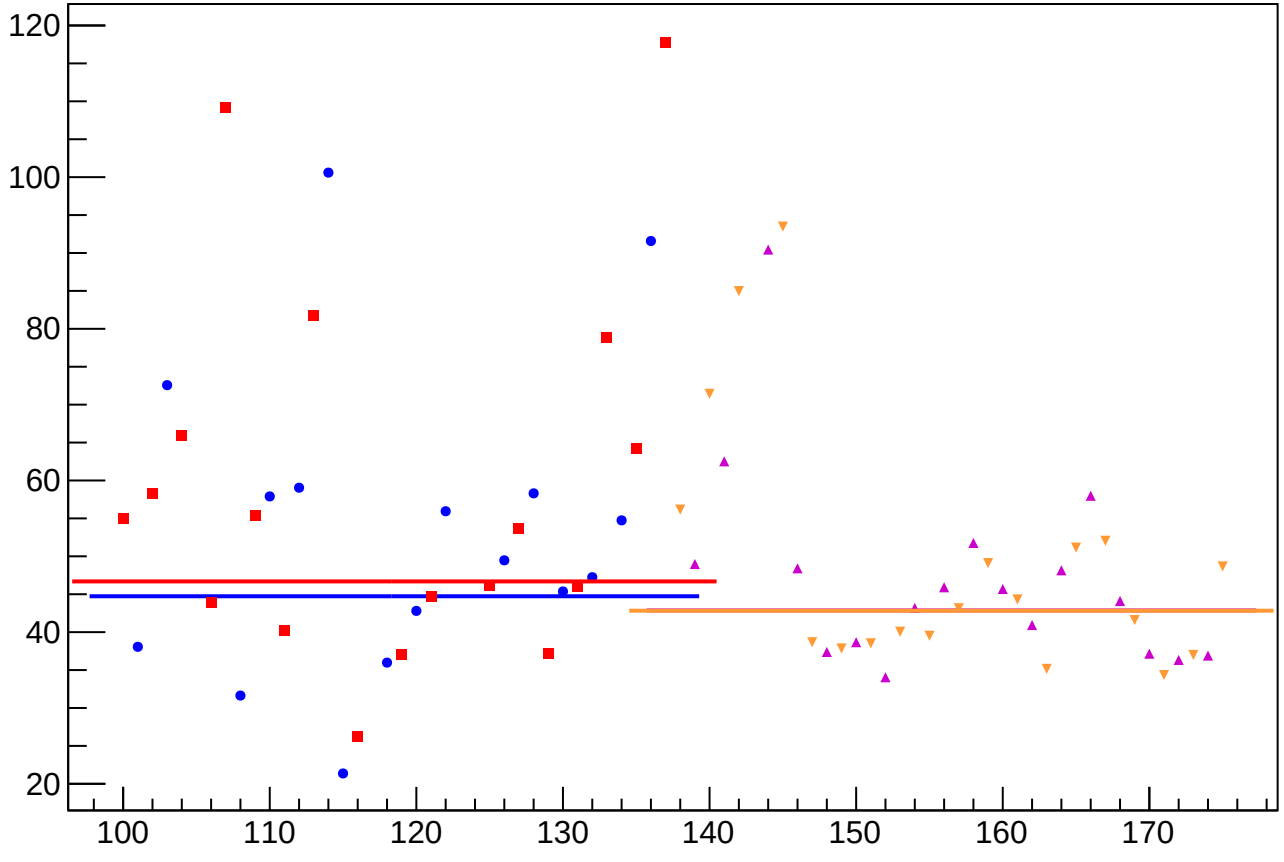
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.014+/-0.007 χ^2/NDF: 95.8/70

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

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

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

Left: 42.846+/-0.006 χ^2/NDF: 2497024.7/36

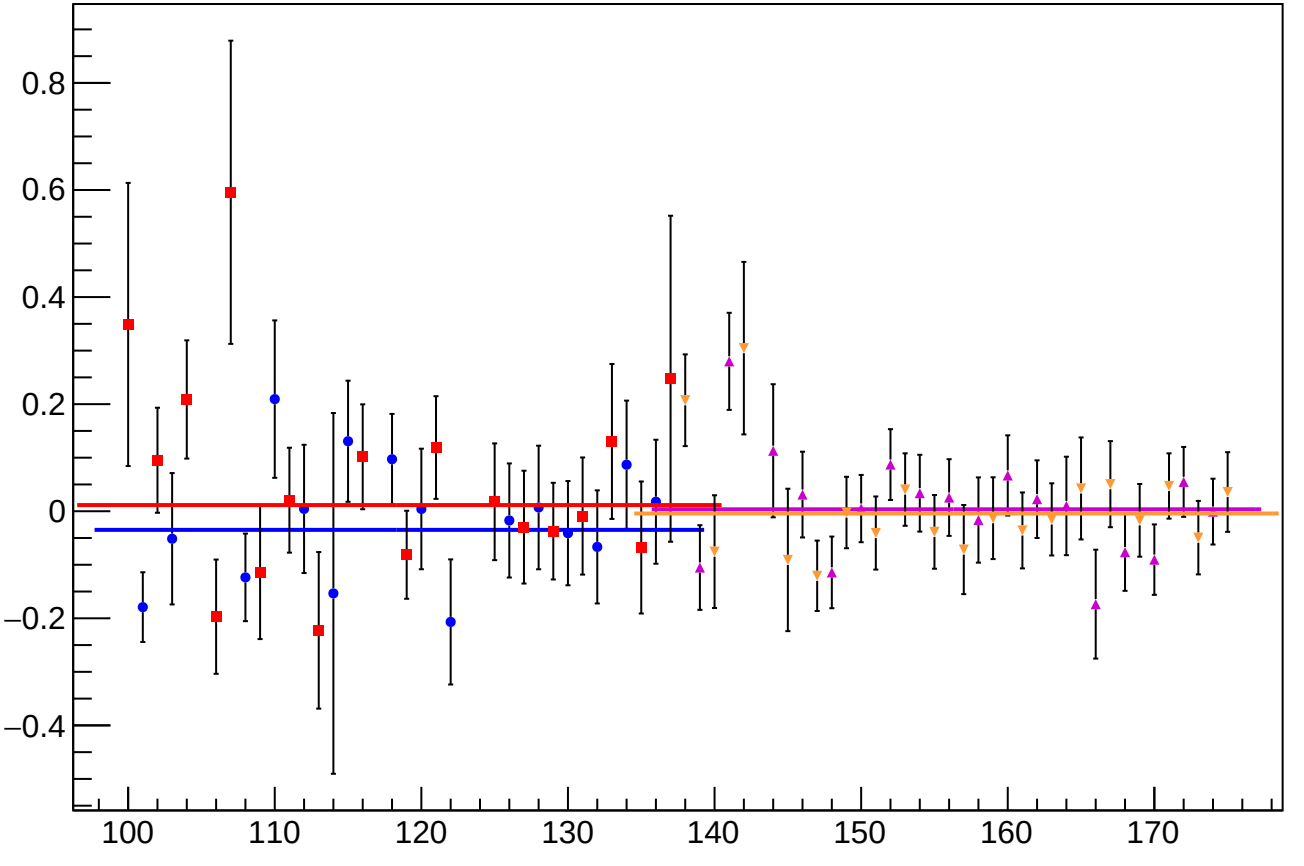
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.400+/-0.007 χ^2/NDF:2456778.1/33

Out: 43.885+/-0.007 χ^2/NDF:2642077.1/36

All: 43.641+/-0.005 χ^2/NDF: 5101160.4/70

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.017 χ^2/NDF:17.8/18

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

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

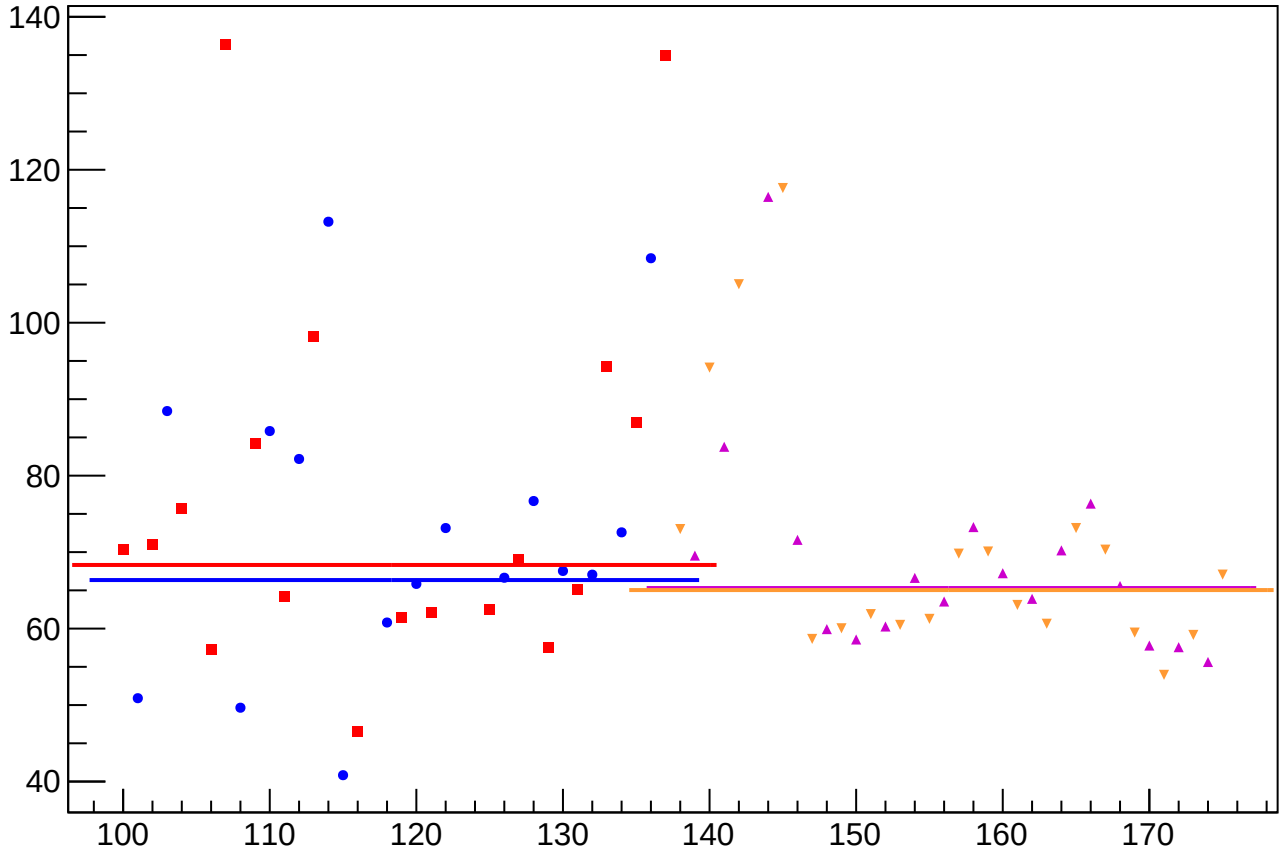
Left: -0.000+/-0.012 χ^2/NDF: 42.7/36

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.008+/-0.015 χ^2/NDF:43.7/33

Out: 0.000+/-0.015 χ^2/NDF:40.8/36

All: -0.004+/-0.010 χ^2/NDF: 84.7/70



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

Left Out: 65.038+/-0.012 χ^2/NDF:799184.3/18

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

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

Left: 65.171+/-0.009 χ^2/NDF: 1443734.3/36

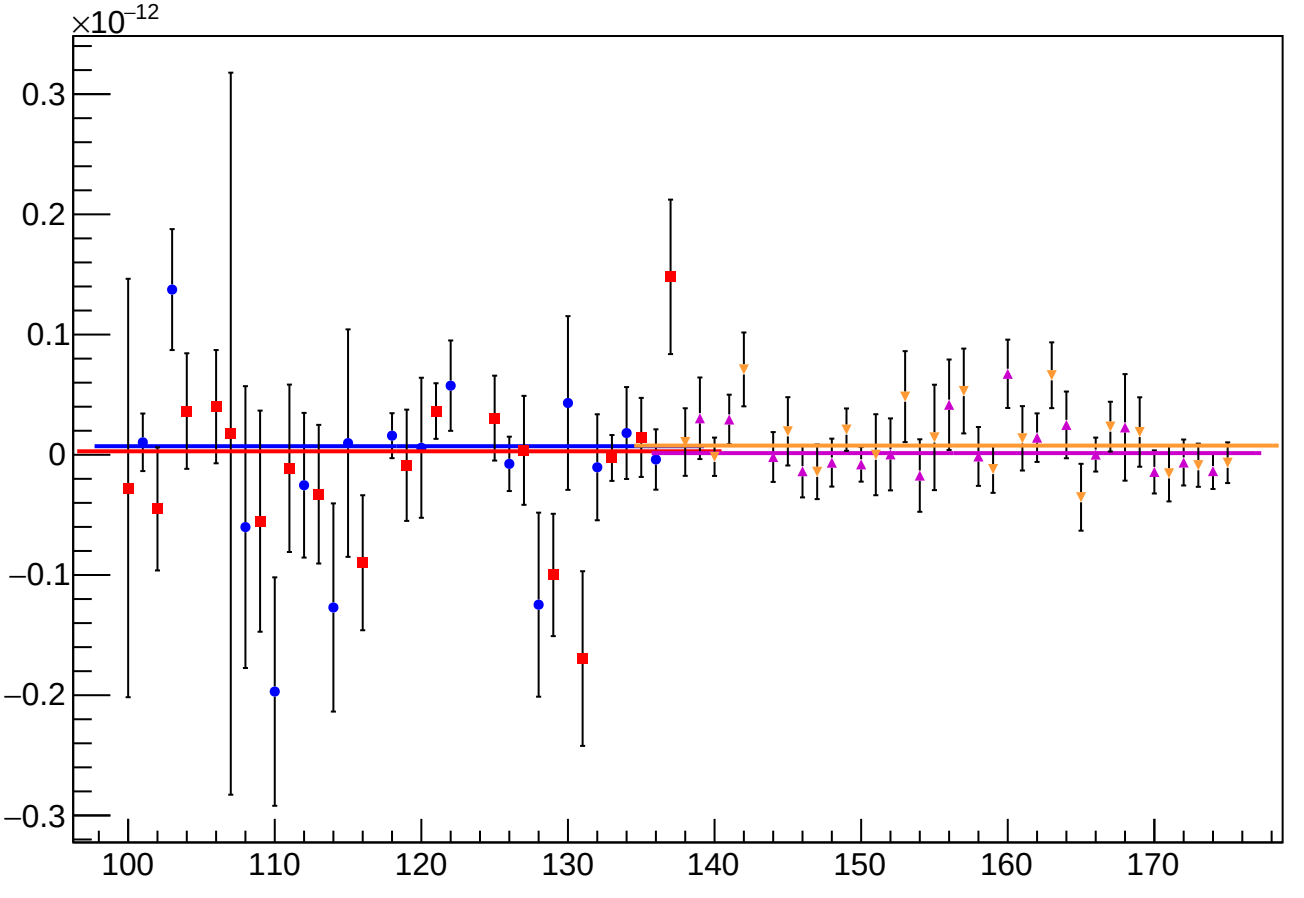
Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 65.626+/-0.010 χ^2/NDF:1419160.2/33

Out: 66.007+/-0.010 χ^2/NDF:1449848.2/36

All: 65.816+/-0.007 χ^2/NDF: 2869691.7/70

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/18

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

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

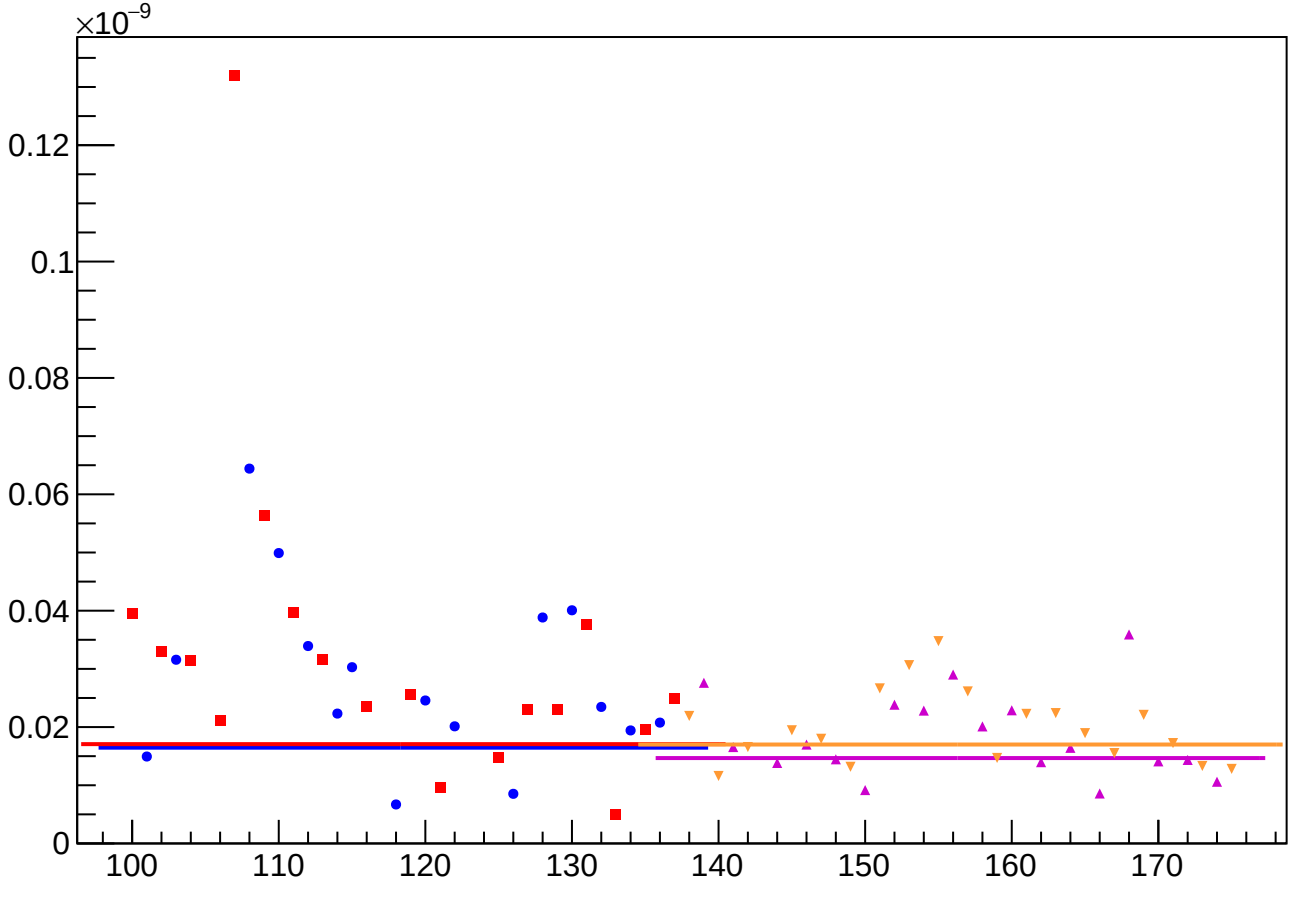
Left: 0.000+/-0.000 χ^2/NDF: 35.0/36

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:34.6/33

Out: 0.000+/-0.000 χ^2/NDF:43.9/36

All: 0.000+/-0.000 χ^2/NDF: 78.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761904.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2510244.6/17

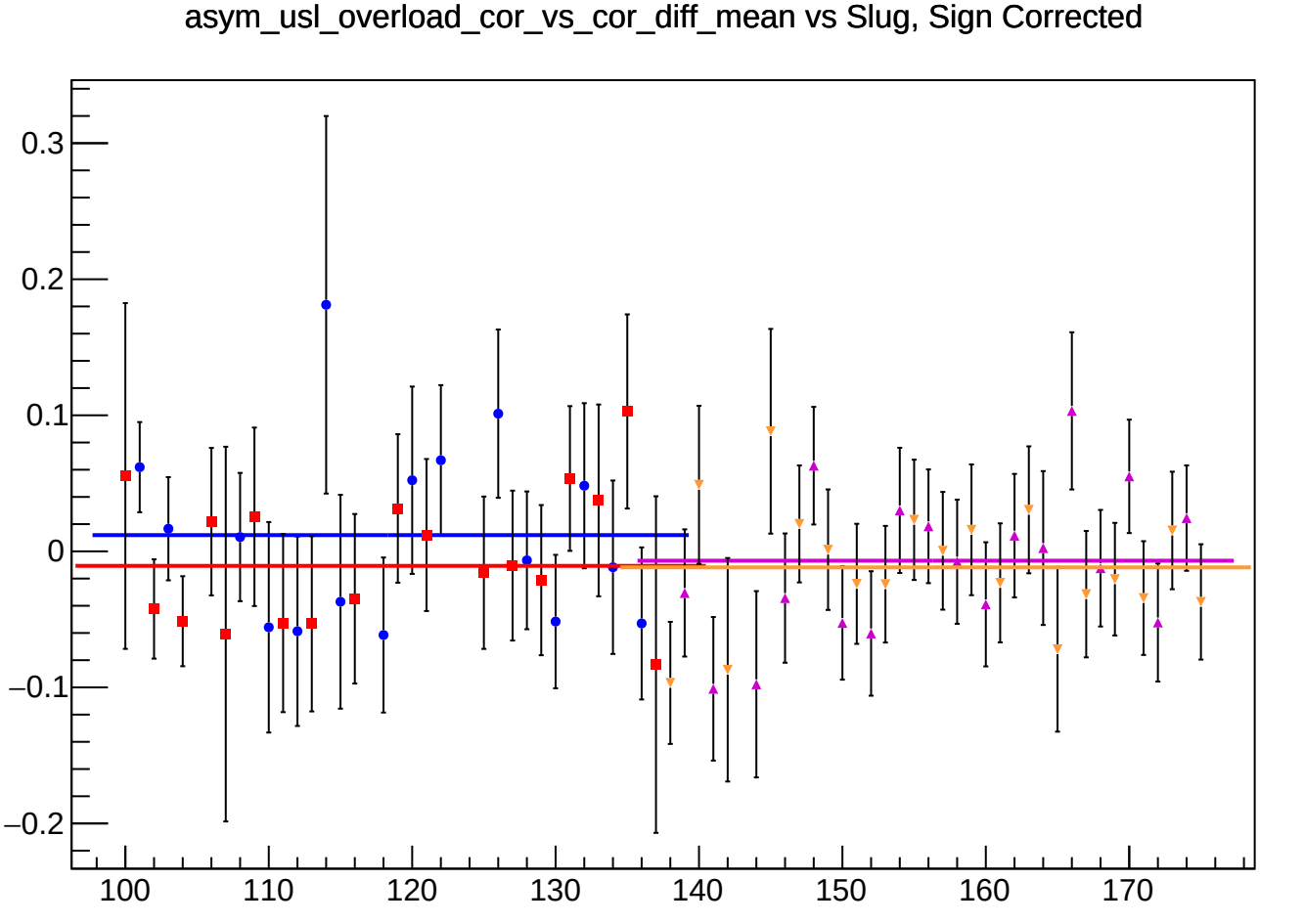
Left: 0.000+/-0.000 χ^2/NDF: 4472723.2/36

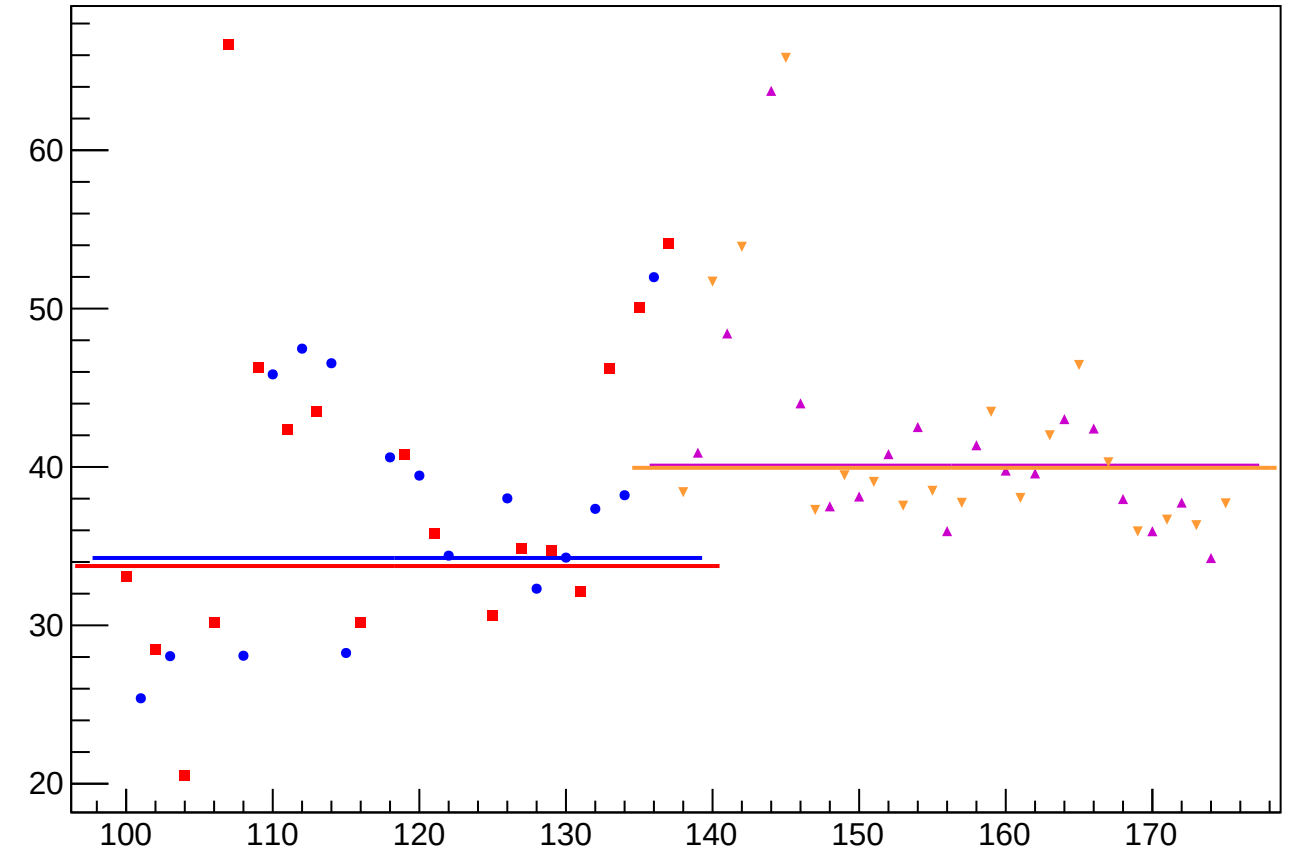
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:4914587.3/33

Out: 0.000+/-0.000 χ^2/NDF:4553329.6/36

All: 0.000+/-0.000 χ^2/NDF: 9648694.2/70


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.012+/-0.011 χ²/NDF:12.3/18
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.007+/-0.011 χ²/NDF:20.0/17
Left: -0.009+/-0.008 χ²/NDF: 32.4/36
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: 0.000+/-0.008 χ²/NDF:35.9/33
Out: -0.011+/-0.008 χ²/NDF:22.2/36
All: -0.006+/-0.006 χ²/NDF: 59.1/70



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

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

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

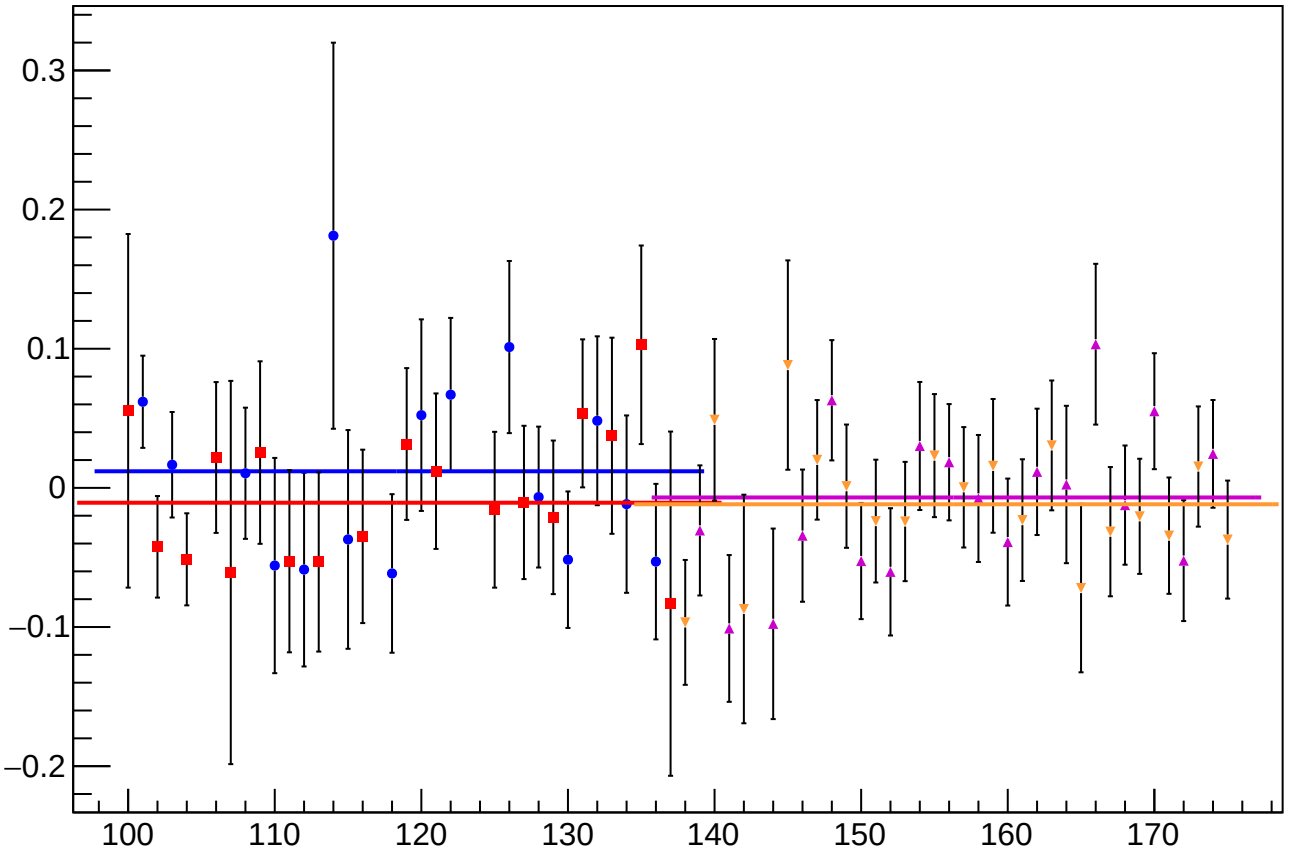
Left: 40.015+/-0.005 χ^2/NDF: 920466.3/36

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.817+/-0.006 χ^2/NDF:1286962.7/33

Out: 37.531+/-0.006 χ^2/NDF:1665258.8/36

All: 37.673+/-0.004 χ^2/NDF: 2953367.9/70



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

Left Out: -0.012+/-0.011 χ^2/NDF:12.3/18

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

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

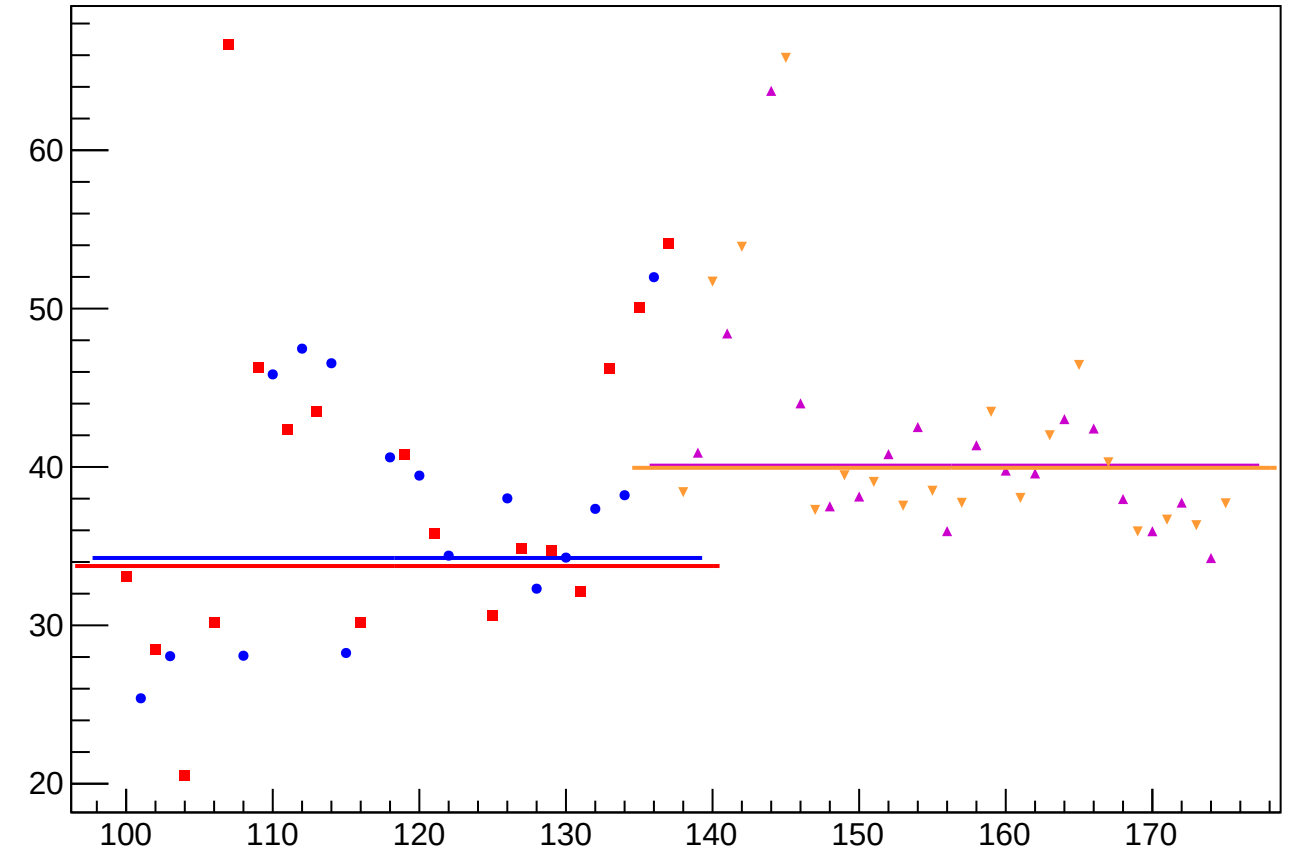
Left: -0.009+/-0.008 χ^2/NDF: 32.4/36

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.000+/-0.008 χ^2/NDF:35.9/33

Out: -0.011+/-0.008 χ^2/NDF:22.2/36

All: -0.006+/-0.006 χ^2/NDF: 59.1/70



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

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

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

Left: 40.015+/-0.005 χ^2/NDF: 920466.3/36

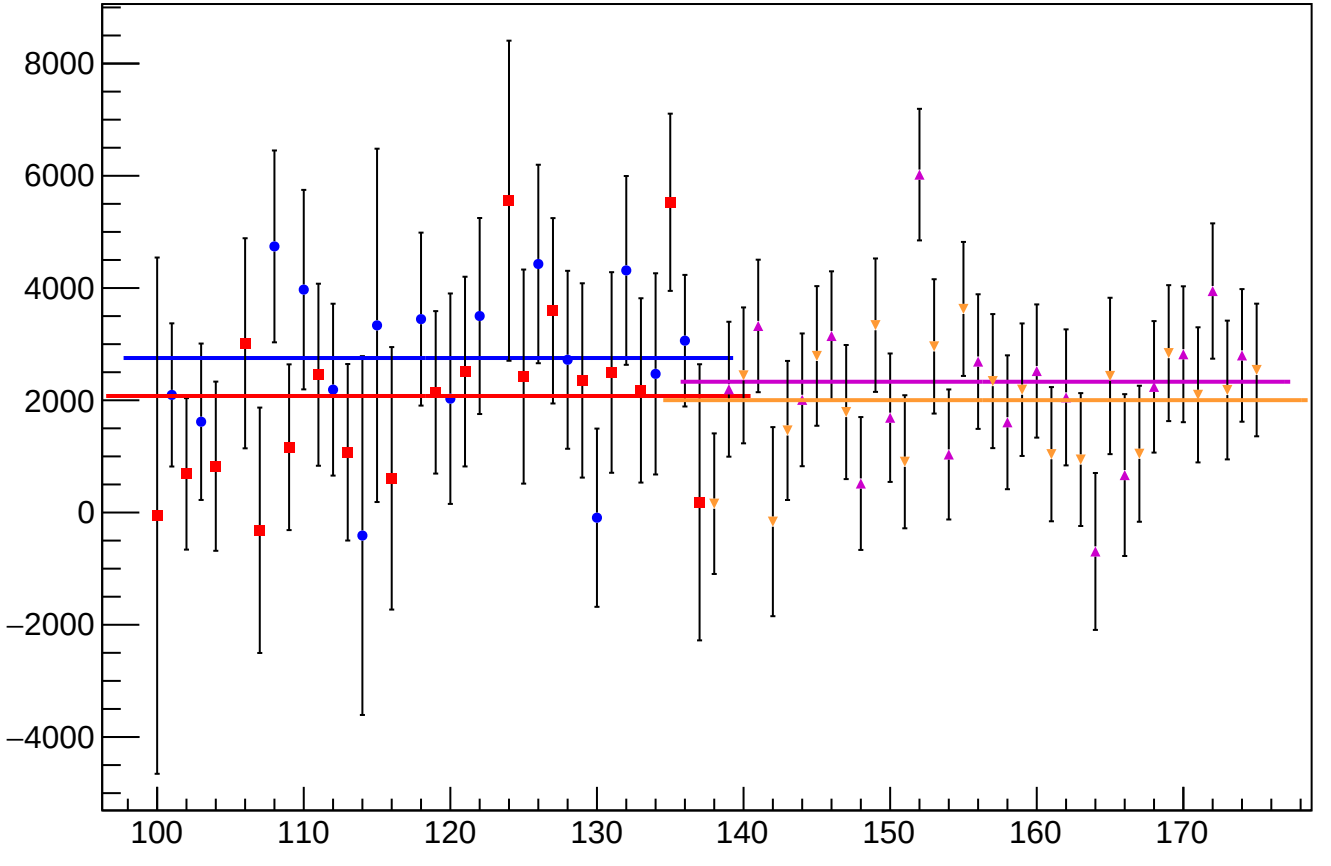
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.817+/-0.006 χ^2/NDF:1286962.7/33

Out: 37.531+/-0.006 χ^2/NDF:1665258.8/36

All: 37.673+/-0.004 χ^2/NDF: 2953367.9/70

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

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

Left: 2160.911+/-197.324 χ^2/NDF: 36.7/37

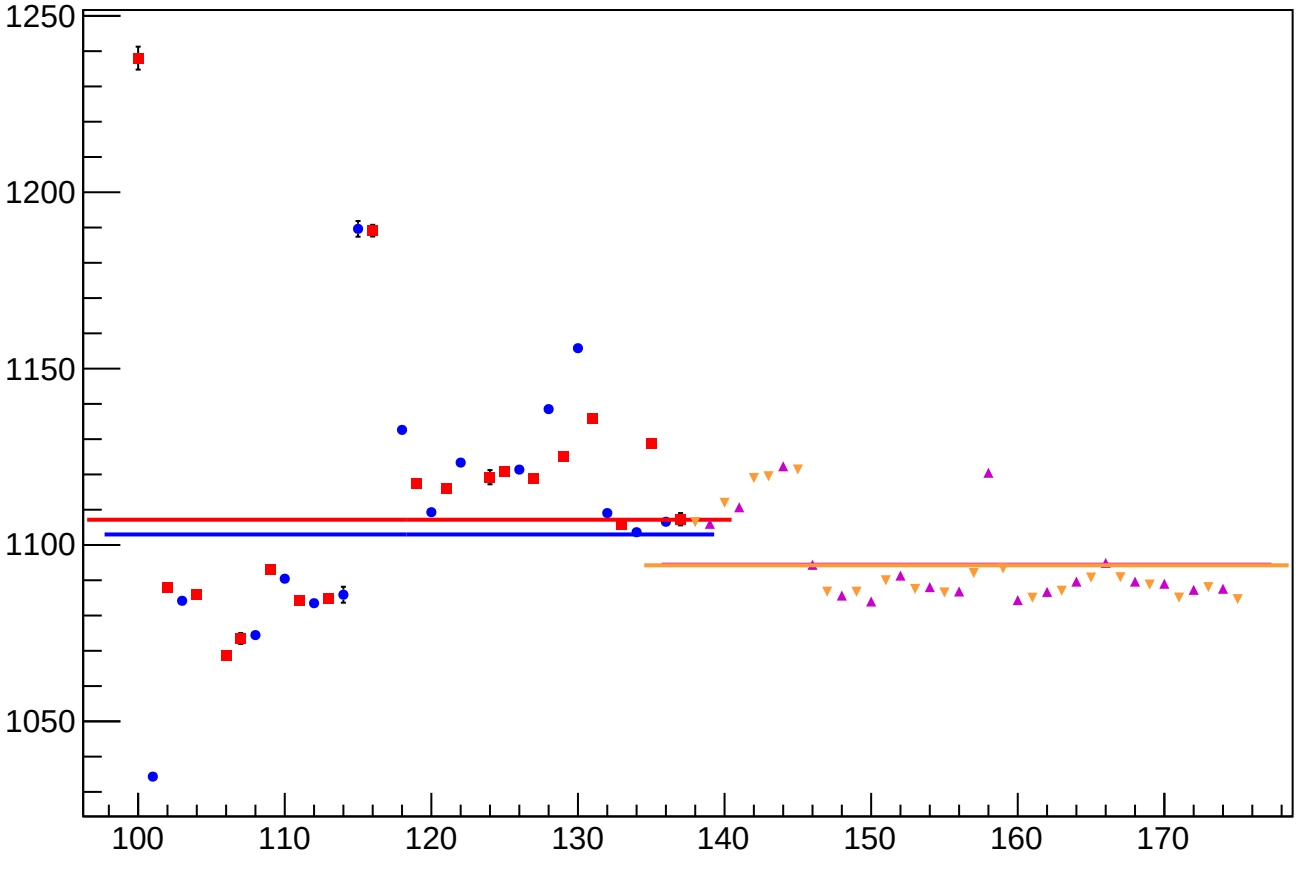
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2467.273+/-233.267 χ^2/NDF:34.0/33

Out: 2025.677+/-227.089 χ^2/NDF:24.7/38

All: 2240.550+/-162.716 χ^2/NDF: 60.6/72

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

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

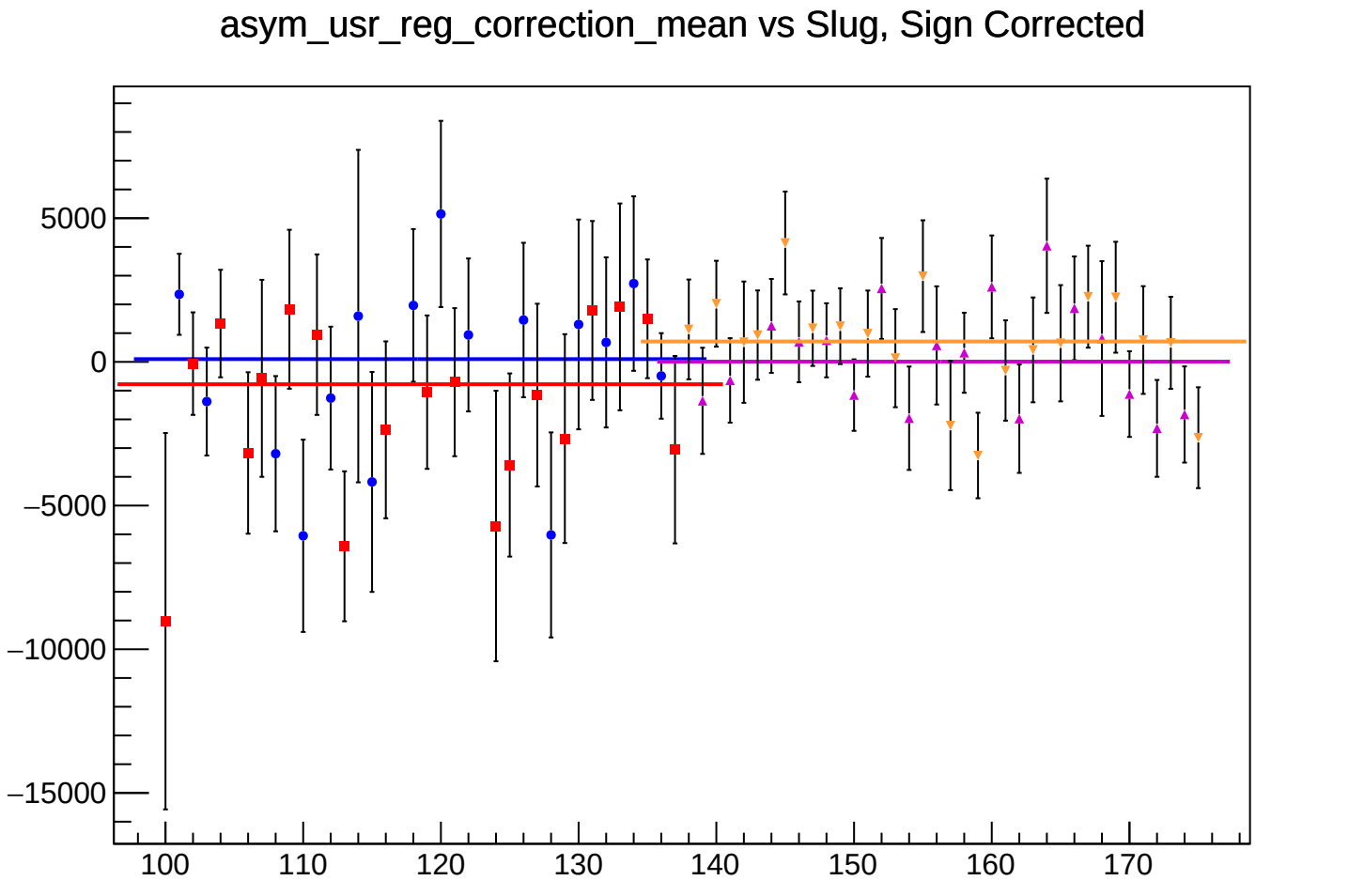
Left: 1094.327+/-0.140 χ^2/NDF: 7252.3/37

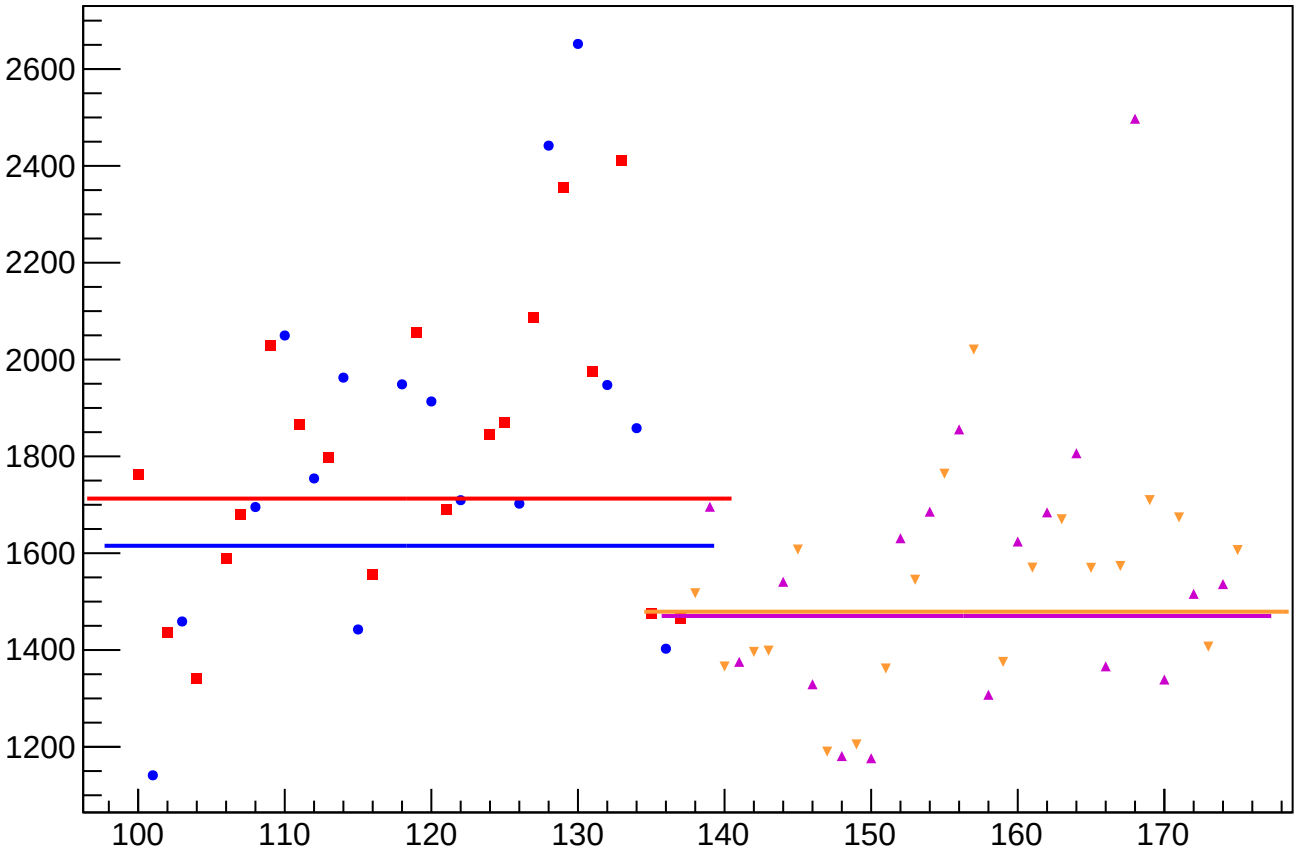
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.190+/-0.165 χ^2/NDF:17337.5/33

Out: 1098.331+/-0.161 χ^2/NDF:13812.0/38

All: 1097.776+/-0.115 χ^2/NDF: 31174.0/72


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 709.292+/-376.672 χ²/NDF:20.5/19
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 9.378+/-387.742 χ²/NDF:17.2/17
Left: 369.469+/-270.176 χ²/NDF: 39.4/37
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 33.827+/-328.462 χ²/NDF:34.2/33
Out: 324.204+/-324.224 χ²/NDF:39.6/38
All: 180.901+/-230.745 χ²/NDF: 74.2/72



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

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

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

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

Left: 1474.846+/-0.191 χ^2/NDF: 1318086.8/37

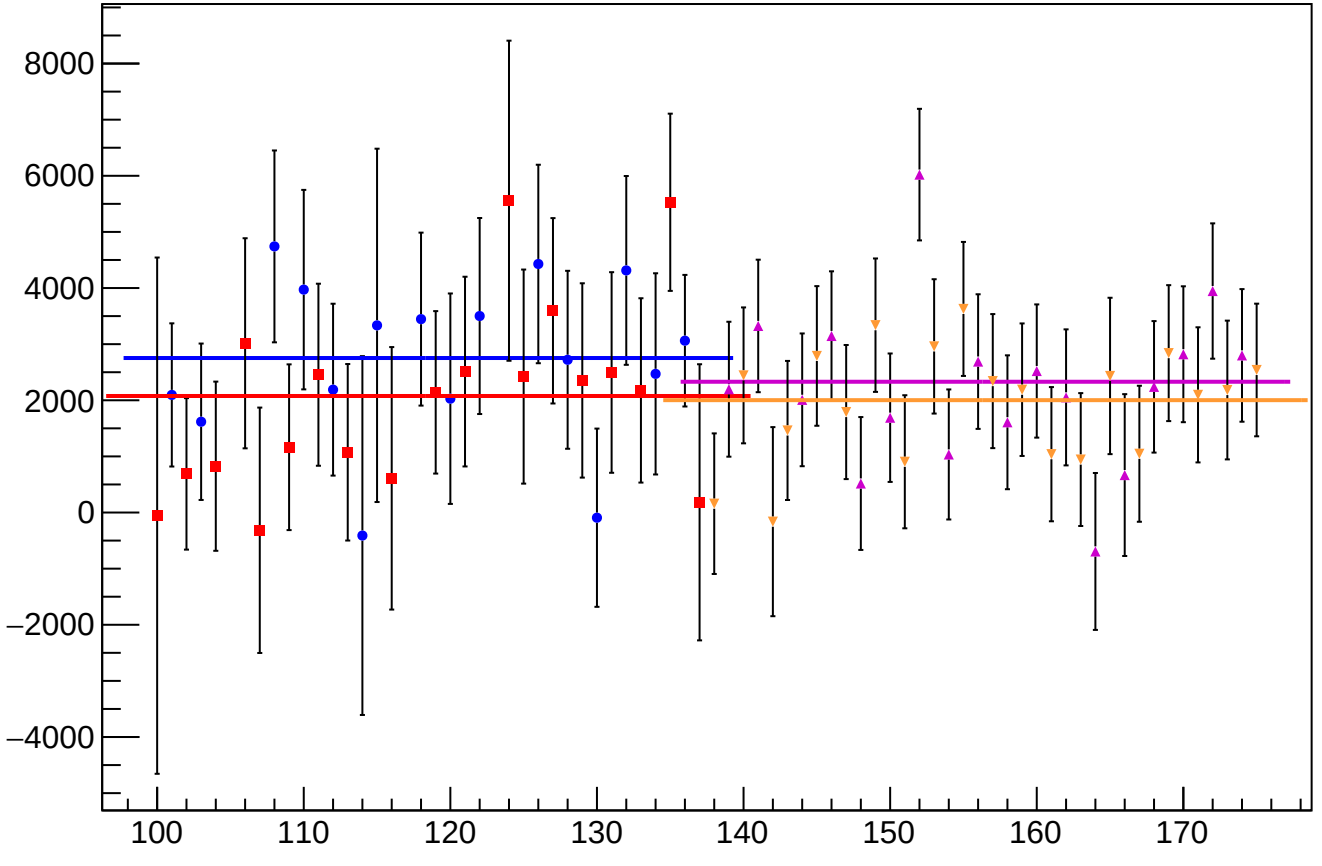
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1511.216+/-0.232 χ^2/NDF:1589550.6/33

Out: 1539.711+/-0.229 χ^2/NDF:1128065.8/38

All: 1525.649+/-0.163 χ^2/NDF: 2725240.5/72

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

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

Left: 2160.911+/-197.324 χ^2/NDF: 36.7/37

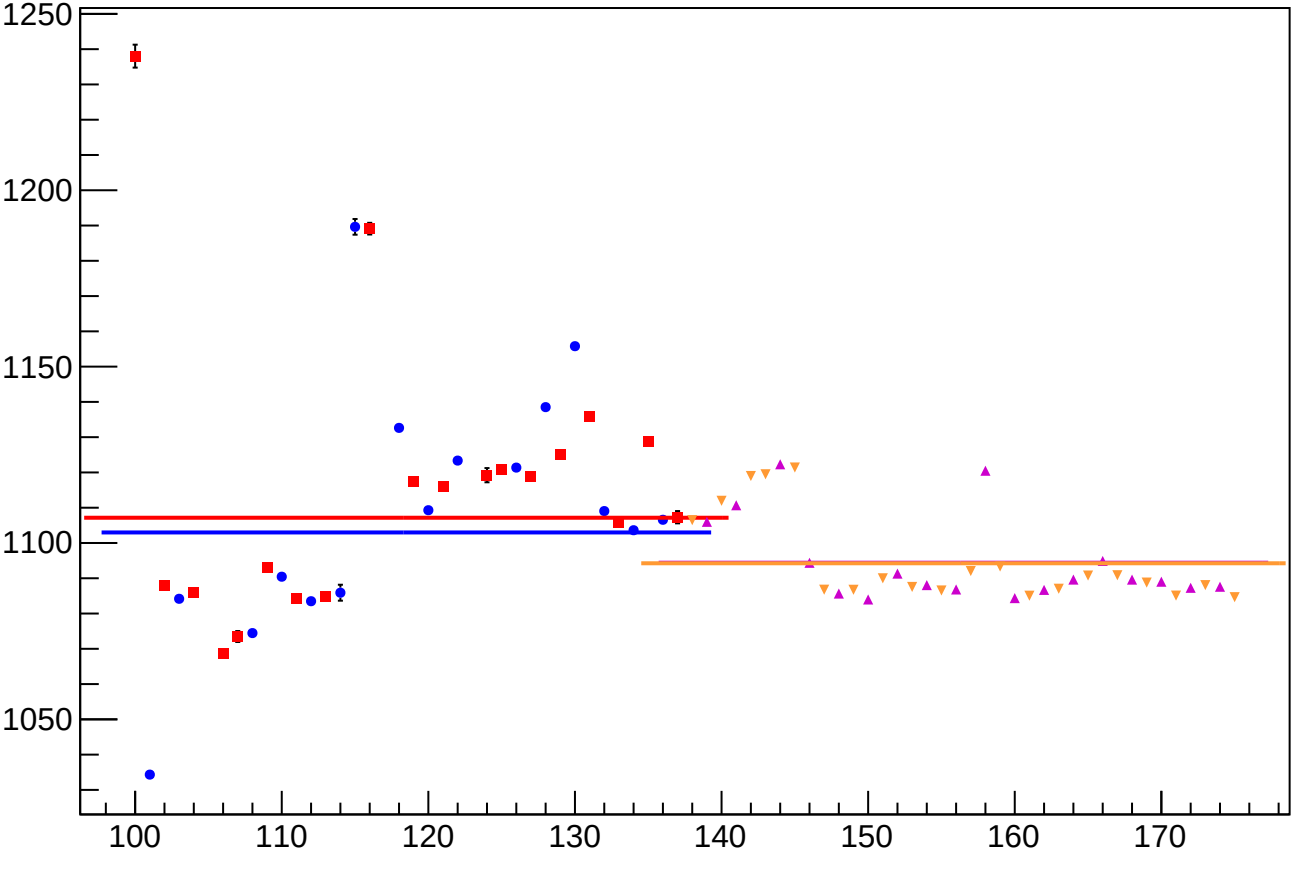
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2467.273+/-233.267 χ^2/NDF:34.0/33

Out: 2025.677+/-227.089 χ^2/NDF:24.7/38

All: 2240.550+/-162.716 χ^2/NDF: 60.6/72

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

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

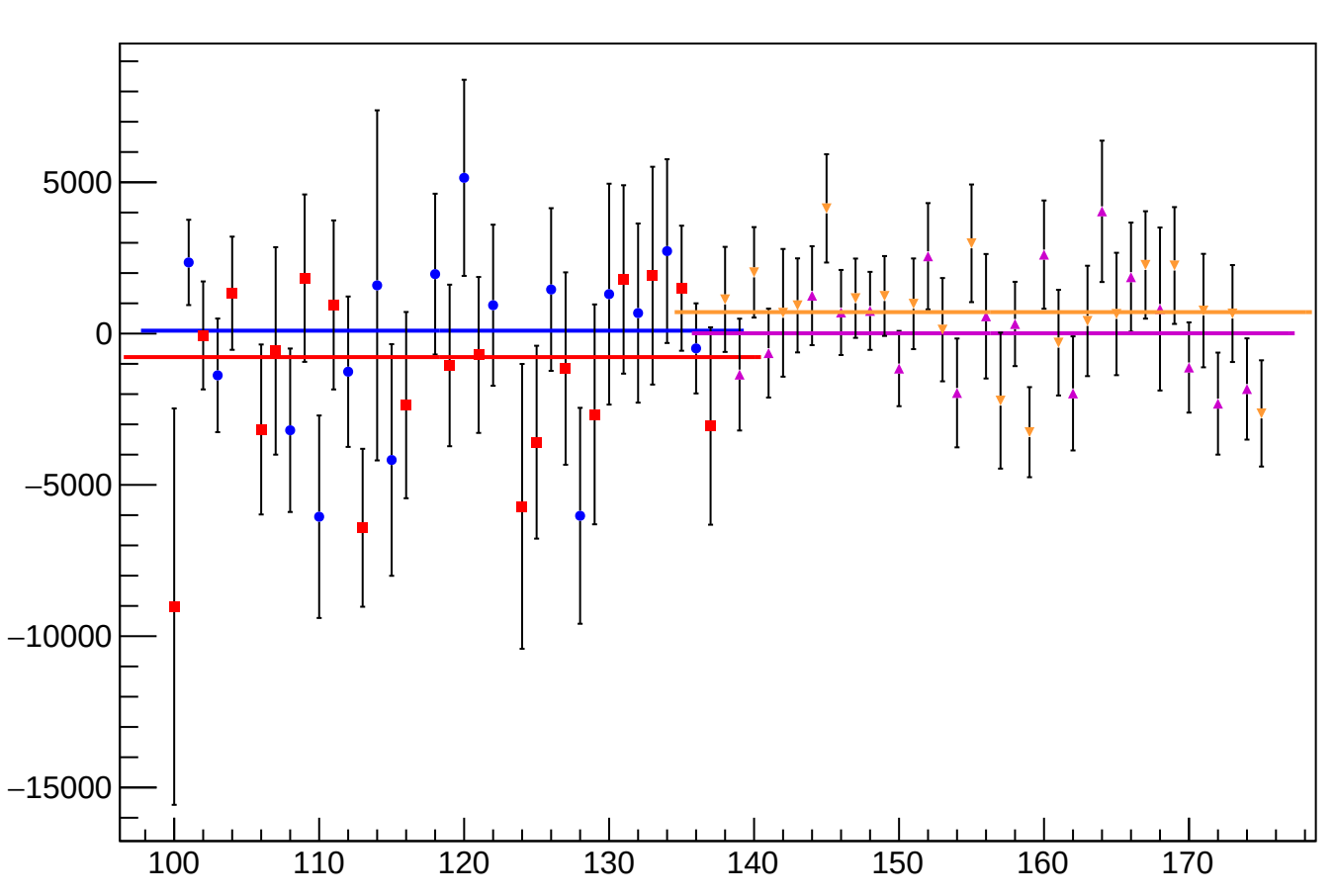
Left: 1094.327+/-0.140 χ^2/NDF: 7252.3/37

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.190+/-0.165 χ^2/NDF:17337.5/33

Out: 1098.331+/-0.161 χ^2/NDF:13812.0/38

All: 1097.776+/-0.115 χ^2/NDF: 31174.0/72



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

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

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

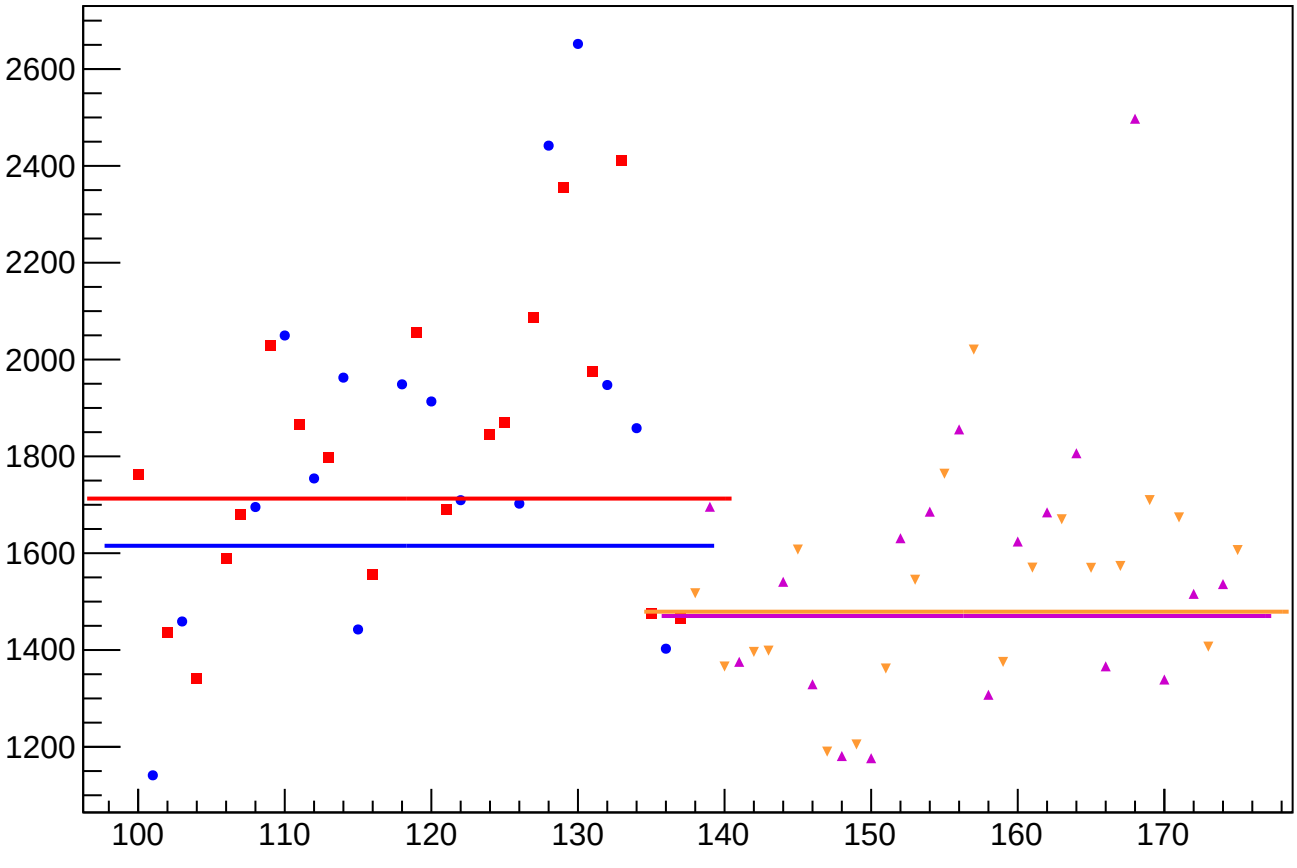
Left: 369.469+/-270.176 χ^2/NDF: 39.4/37

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 33.827+/-328.462 χ^2/NDF:34.2/33

Out: 324.204+/-324.224 χ^2/NDF:39.6/38

All: 180.901+/-230.745 χ^2/NDF: 74.2/72



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

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

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

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

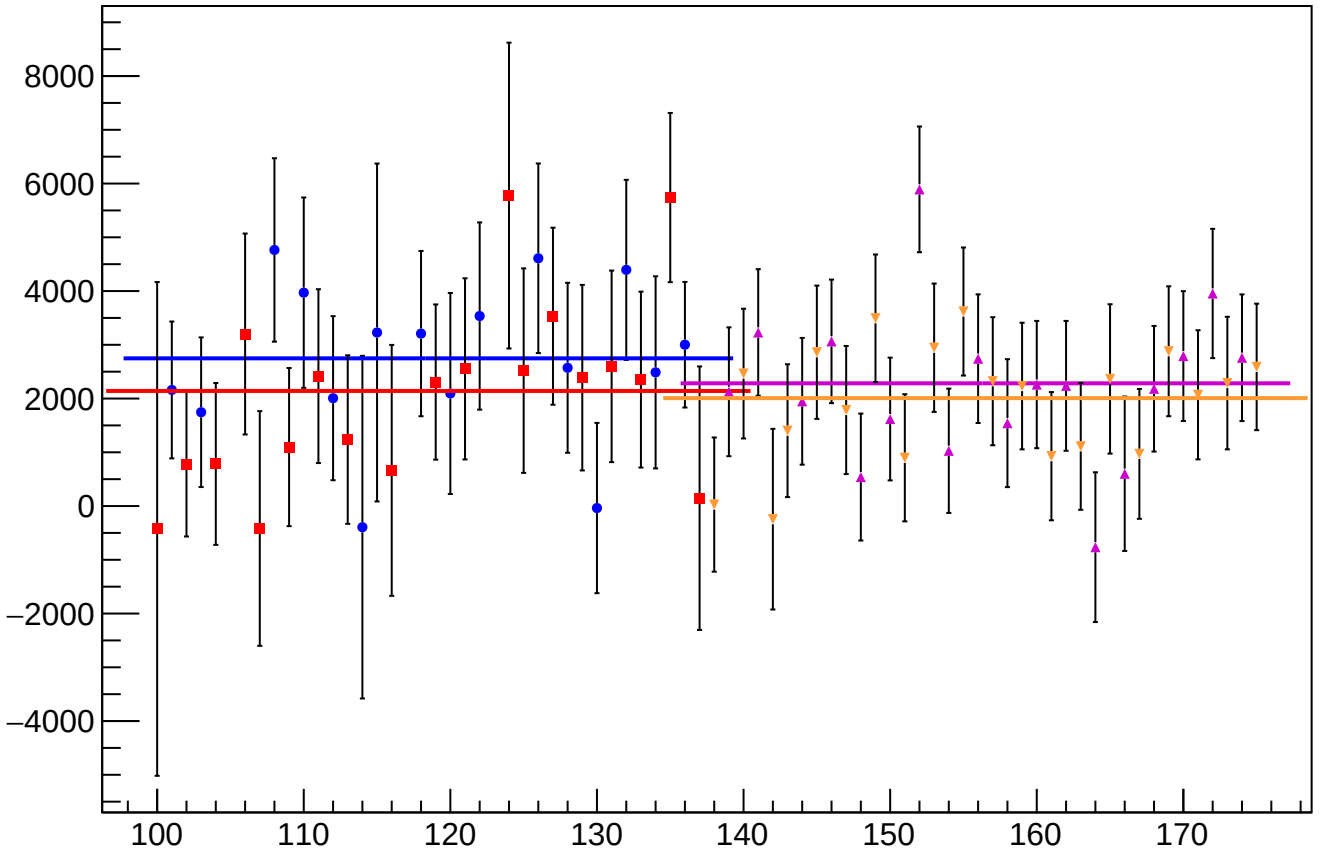
Left: 1474.846+/-0.191 χ^2/NDF: 1318086.8/37

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1511.216+/-0.232 χ^2/NDF:1589550.6/33

Out: 1539.711+/-0.229 χ^2/NDF:1128065.8/38

All: 1525.649+/-0.163 χ^2/NDF: 2725240.5/72



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2008.041+/-273.901 χ^2/NDF:13.2/19

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

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

Left: 2141.155+/-196.808 χ^2/NDF: 37.1/37

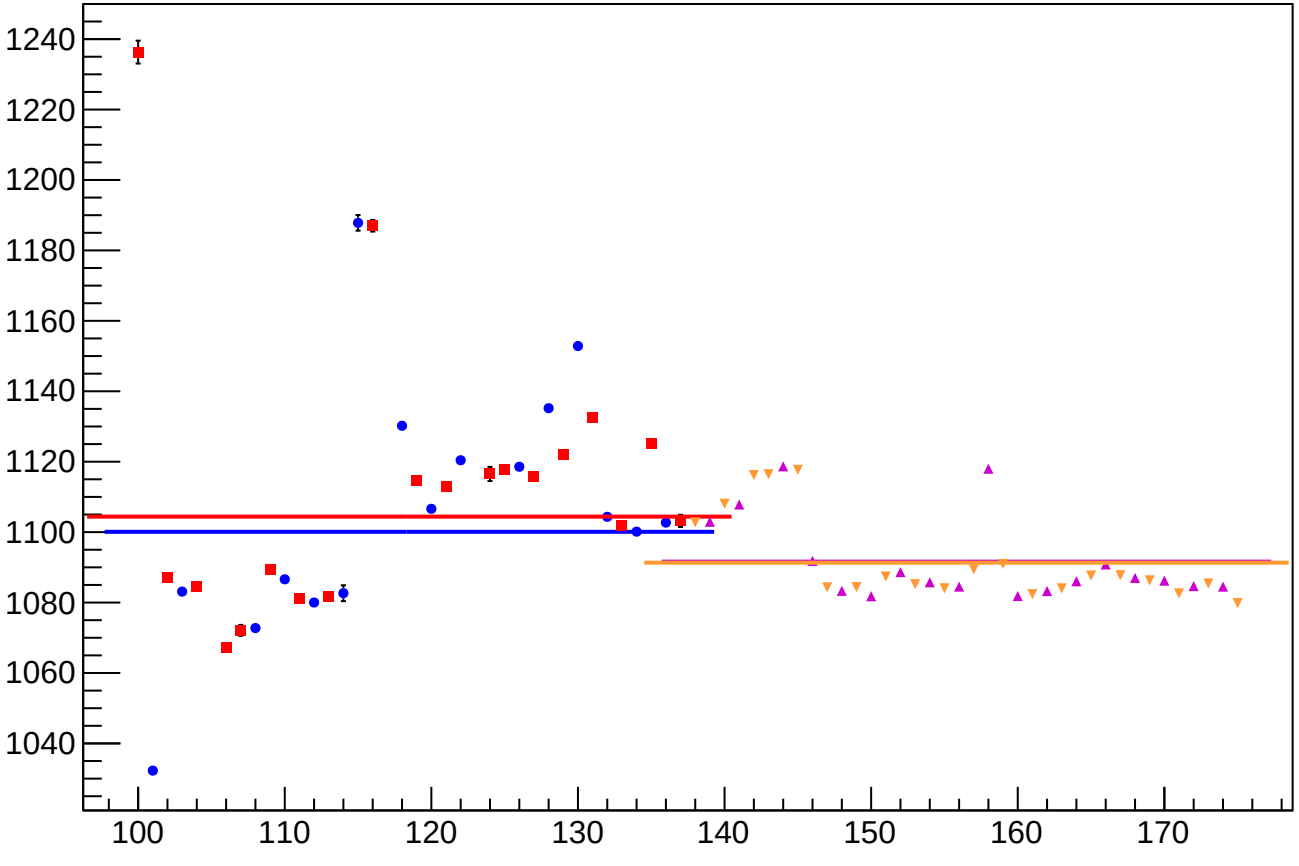
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2433.795+/-232.665 χ^2/NDF:33.8/33

Out: 2050.136+/-226.495 χ^2/NDF:26.9/38

All: 2236.811+/-162.293 χ^2/NDF: 62.0/72

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.327+/-0.194 χ^2/NDF:3609.5/19

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

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

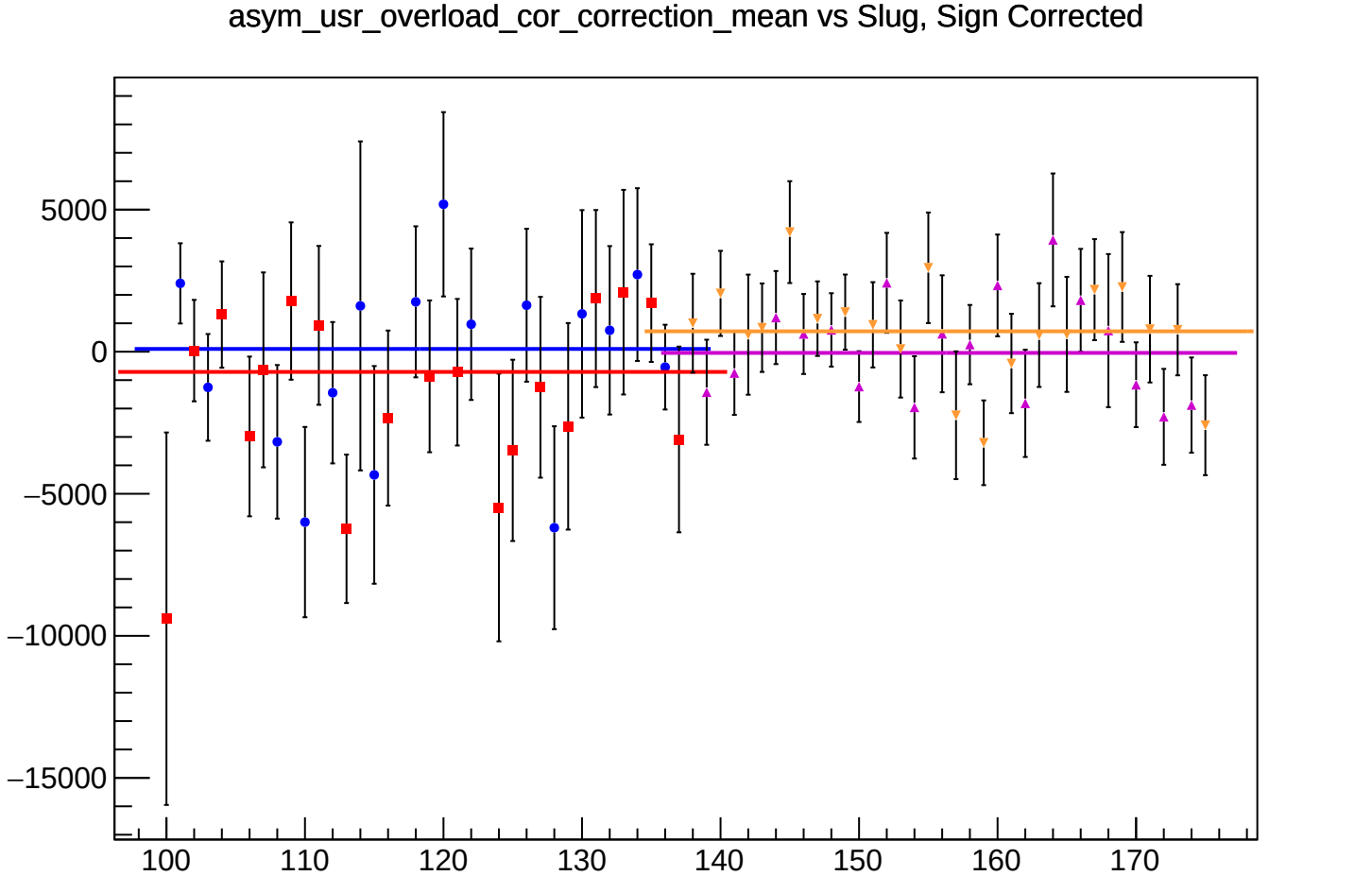
Left: 1091.467+/-0.139 χ^2/NDF: 7061.6/37

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1094.362+/-0.165 χ^2/NDF:17109.2/33

Out: 1095.461+/-0.160 χ^2/NDF:13594.4/38

All: 1094.926+/-0.115 χ^2/NDF: 30726.4/72



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 717.358+/-377.246 χ^2/NDF:20.4/19

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

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

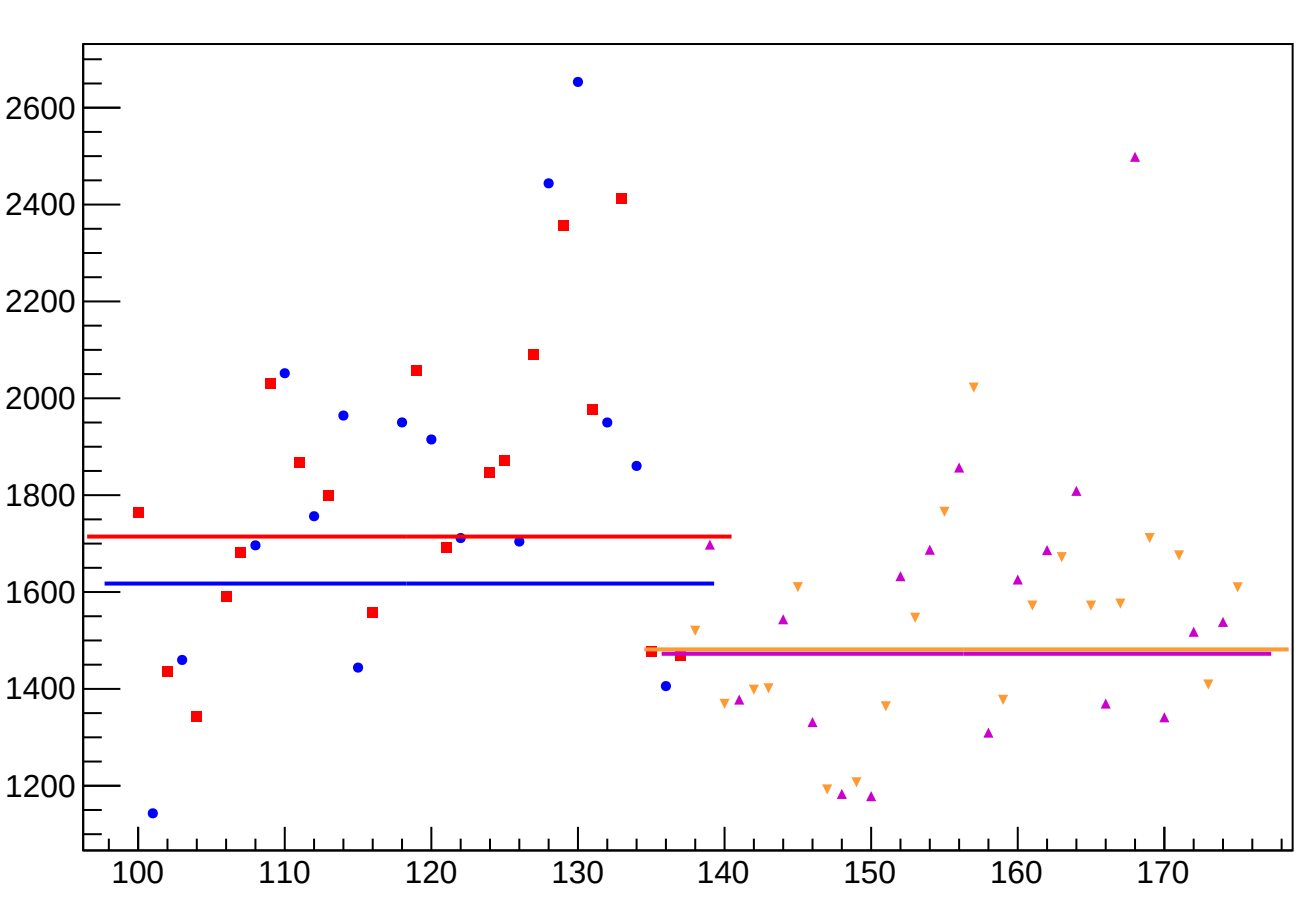
Left: 348.610+/-270.583 χ^2/NDF: 38.7/37

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -2.681+/-328.928 χ^2/NDF:33.6/33

Out: 346.903+/-324.672 χ^2/NDF:39.1/38

All: 174.388+/-231.068 χ^2/NDF: 73.3/72



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

Left Out: 1481.530+/-0.267 χ^2/NDF:498647.5/19

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

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

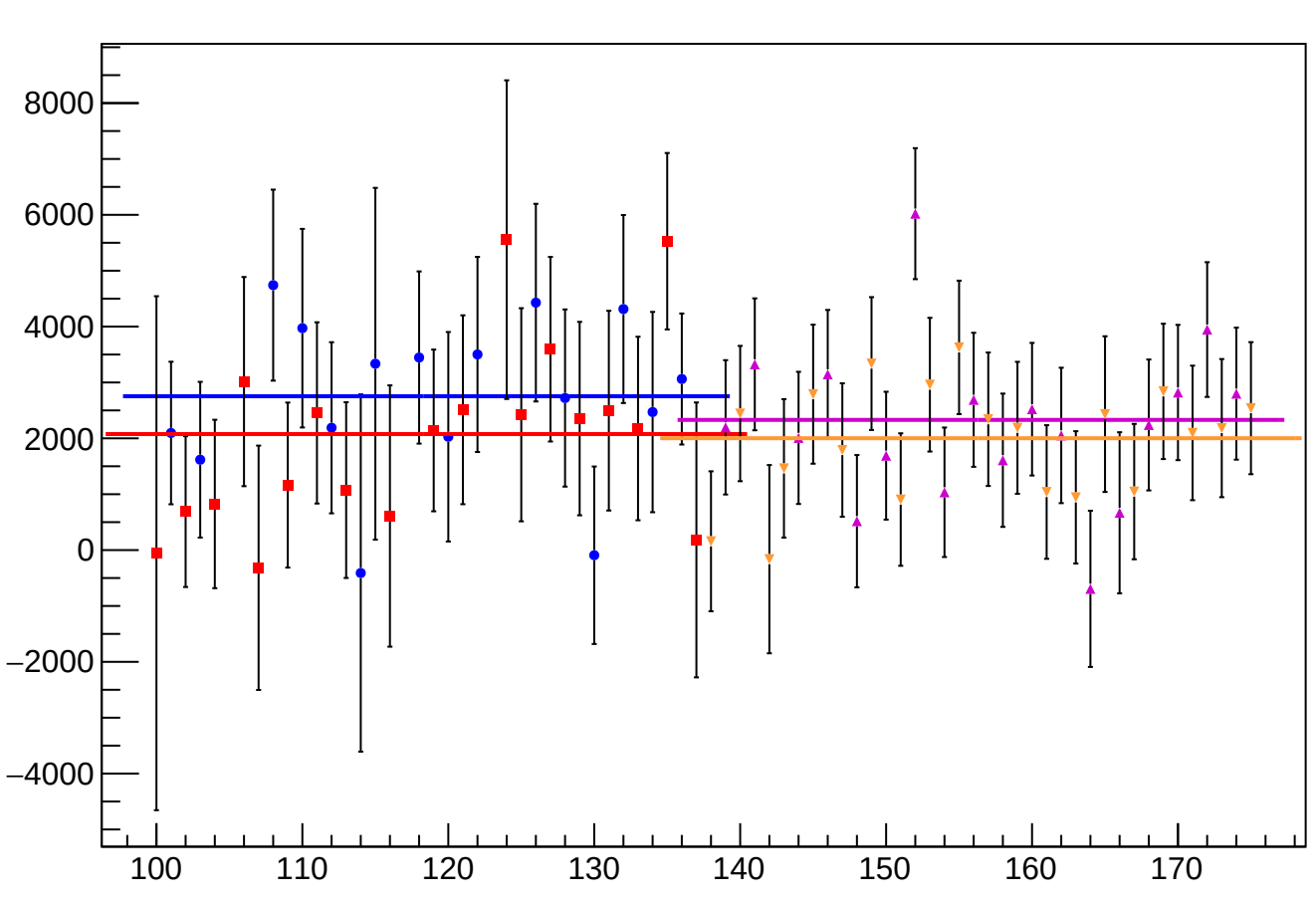
Left: 1477.158+/-0.191 χ^2/NDF: 1313123.5/37

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1513.476+/-0.233 χ^2/NDF:1584386.3/33

Out: 1541.942+/-0.230 χ^2/NDF:1124154.6/38

All: 1527.894+/-0.163 χ^2/NDF: 2716128.0/72



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

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

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

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

Left: 2160.911+/-197.324 χ^2/NDF: 36.7/37

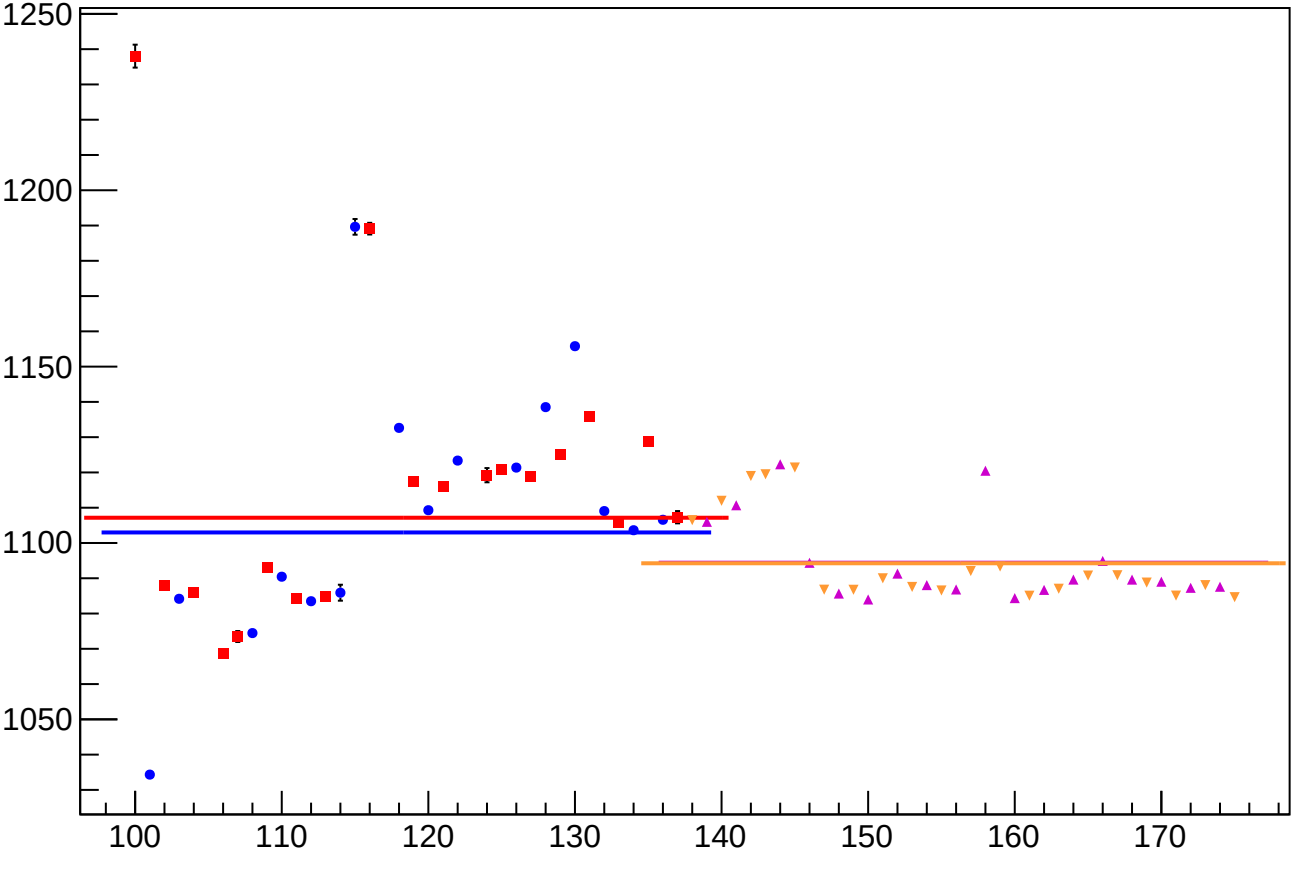
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2467.273+/-233.267 χ^2/NDF:34.0/33

Out: 2025.677+/-227.089 χ^2/NDF:24.7/38

All: 2240.550+/-162.716 χ^2/NDF: 60.6/72

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

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

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

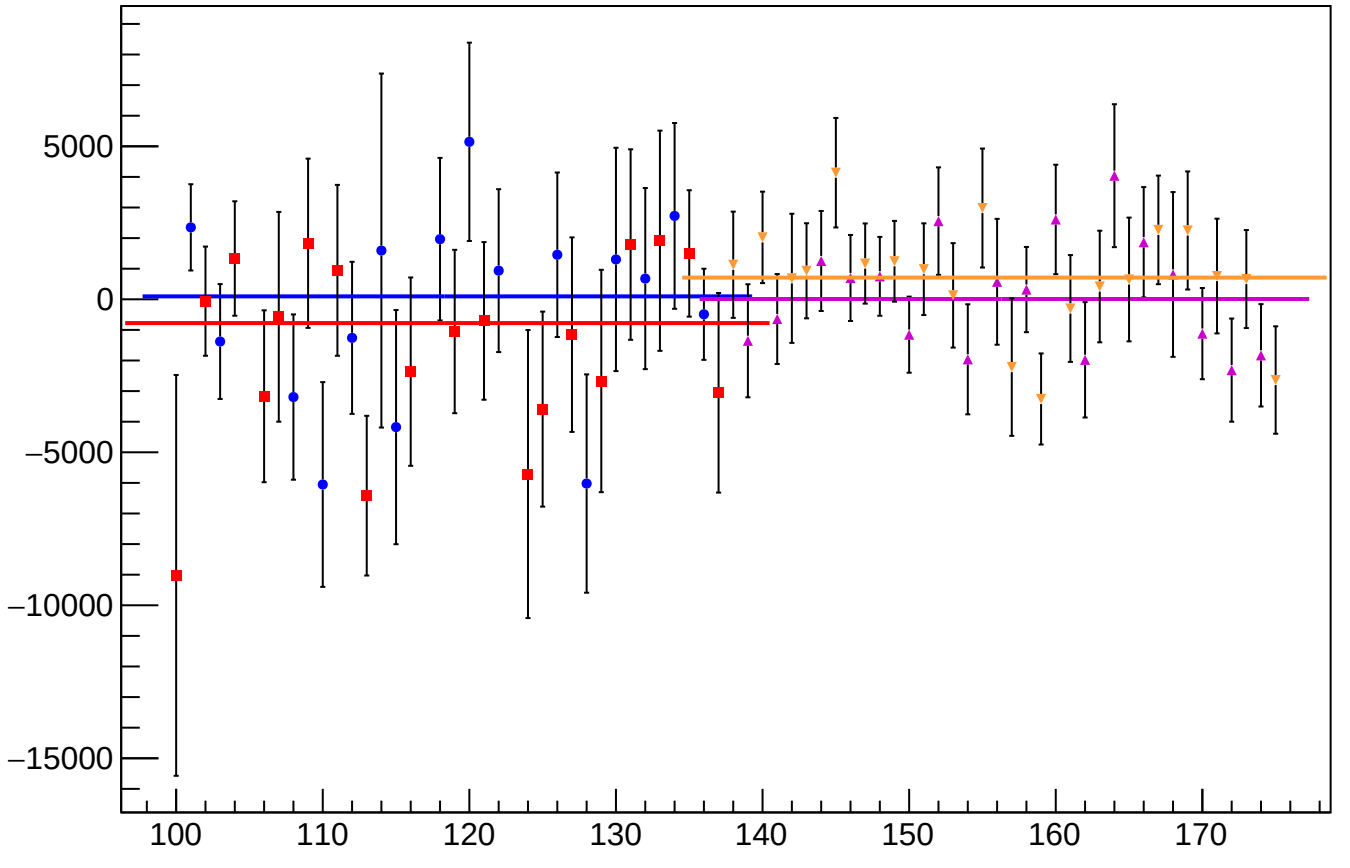
Left: 1094.327+/-0.140 χ^2/NDF: 7252.3/37

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.190+/-0.165 χ^2/NDF:17337.5/33

Out: 1098.331+/-0.161 χ^2/NDF:13812.0/38

All: 1097.776+/-0.115 χ^2/NDF: 31174.0/72



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

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

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

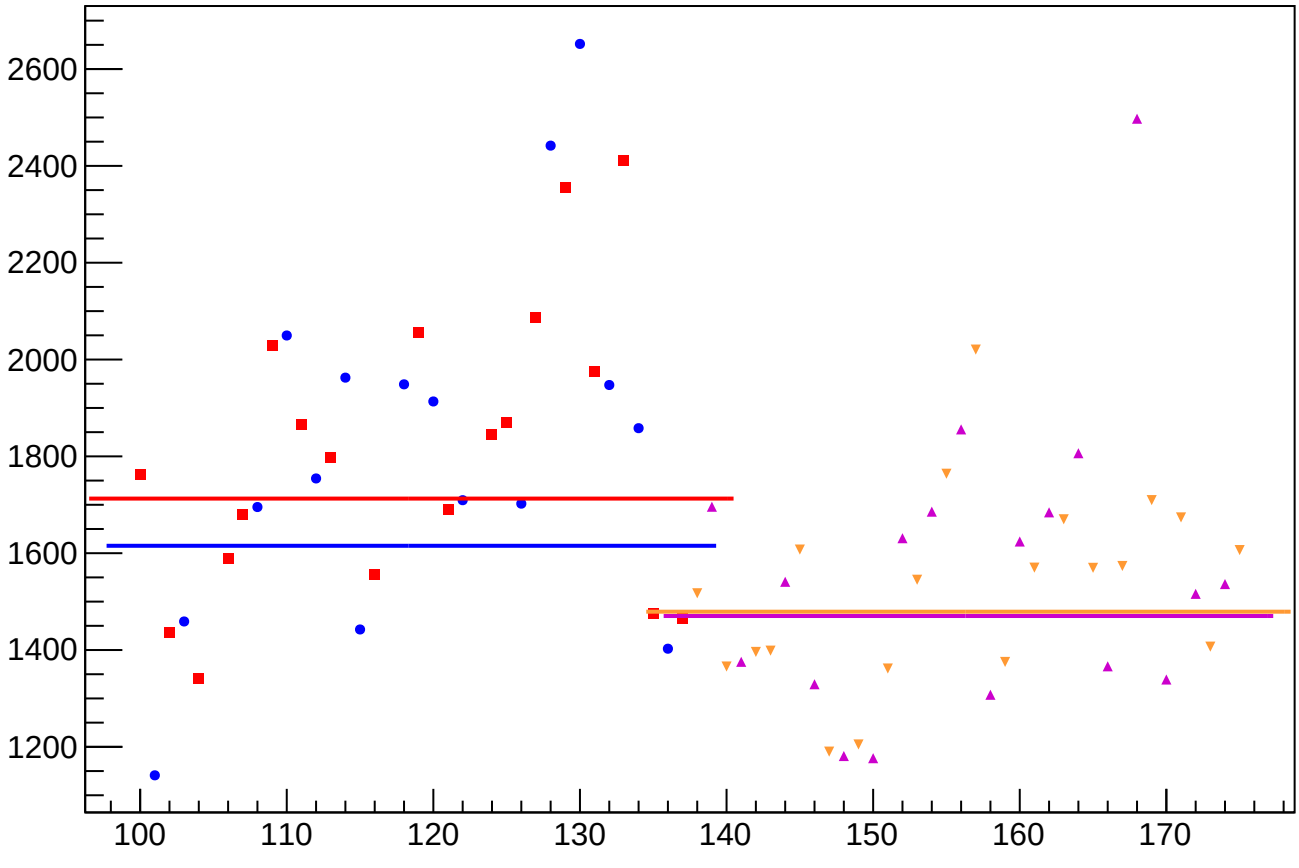
Left: 369.469+/-270.176 χ^2/NDF: 39.4/37

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 33.827+/-328.462 χ^2/NDF:34.2/33

Out: 324.204+/-324.224 χ^2/NDF:39.6/38

All: 180.901+/-230.745 χ^2/NDF: 74.2/72



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

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

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

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

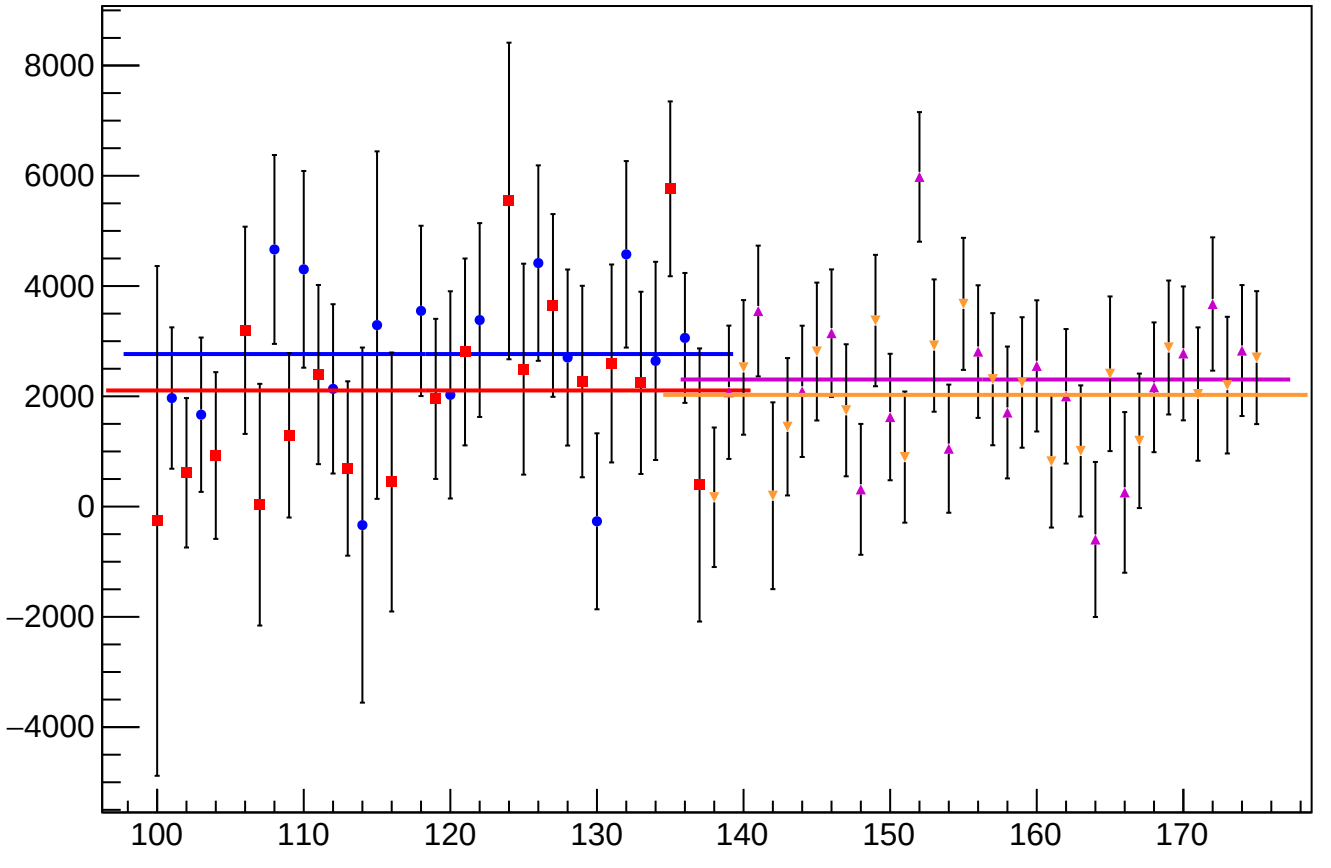
Left: 1474.846+/-0.191 χ^2/NDF: 1318086.8/37

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1511.216+/-0.232 χ^2/NDF:1589550.6/33

Out: 1539.711+/-0.229 χ^2/NDF:1128065.8/38

All: 1525.649+/-0.163 χ^2/NDF: 2725240.5/72



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

Left Out: 2026.502+/-276.060 χ^2/NDF:12.0/19

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

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

Left: 2161.348+/-198.241 χ^2/NDF: 36.7/37

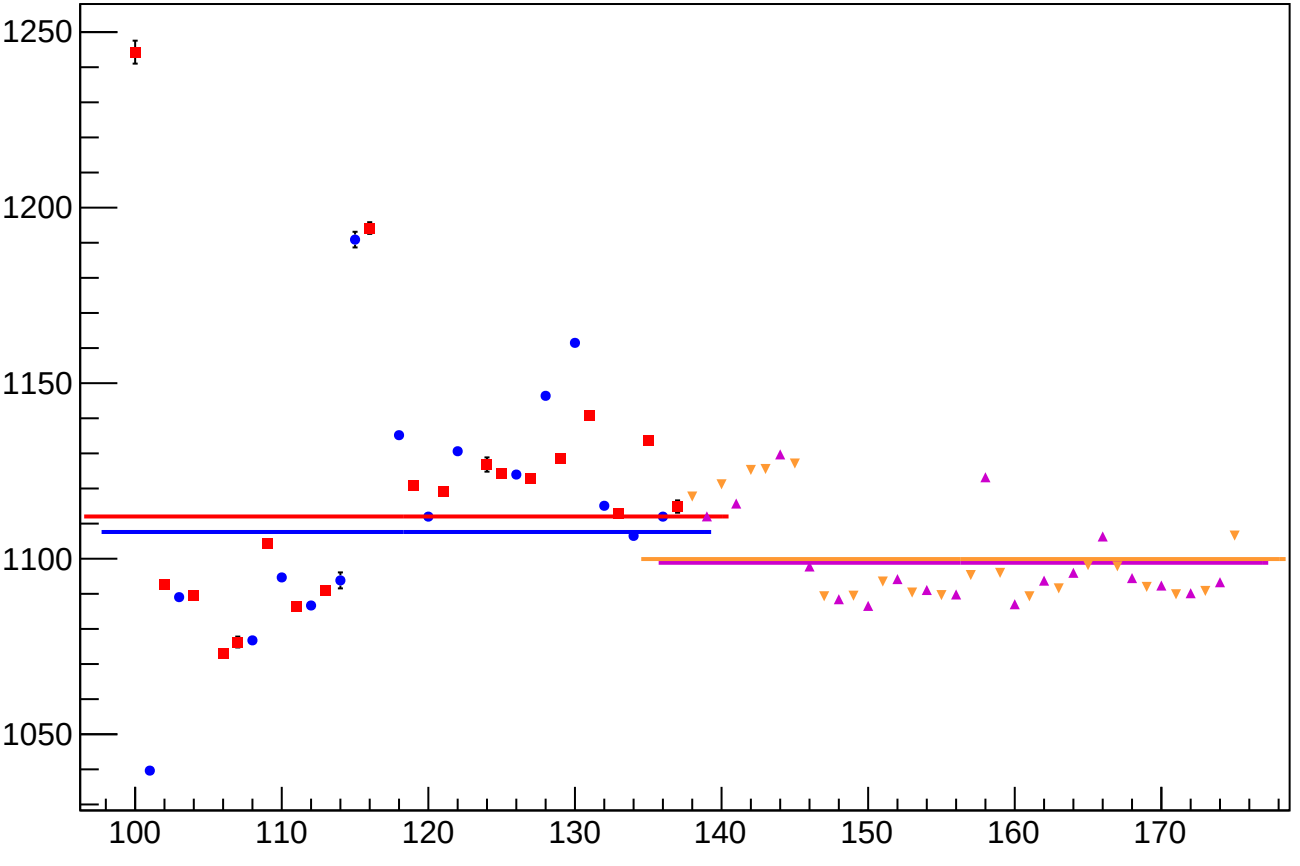
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2454.474+/-234.226 χ^2/NDF:35.4/33

Out: 2051.784+/-228.213 χ^2/NDF:25.4/38

All: 2247.894+/-163.455 χ^2/NDF: 62.3/72

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.9/19

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

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

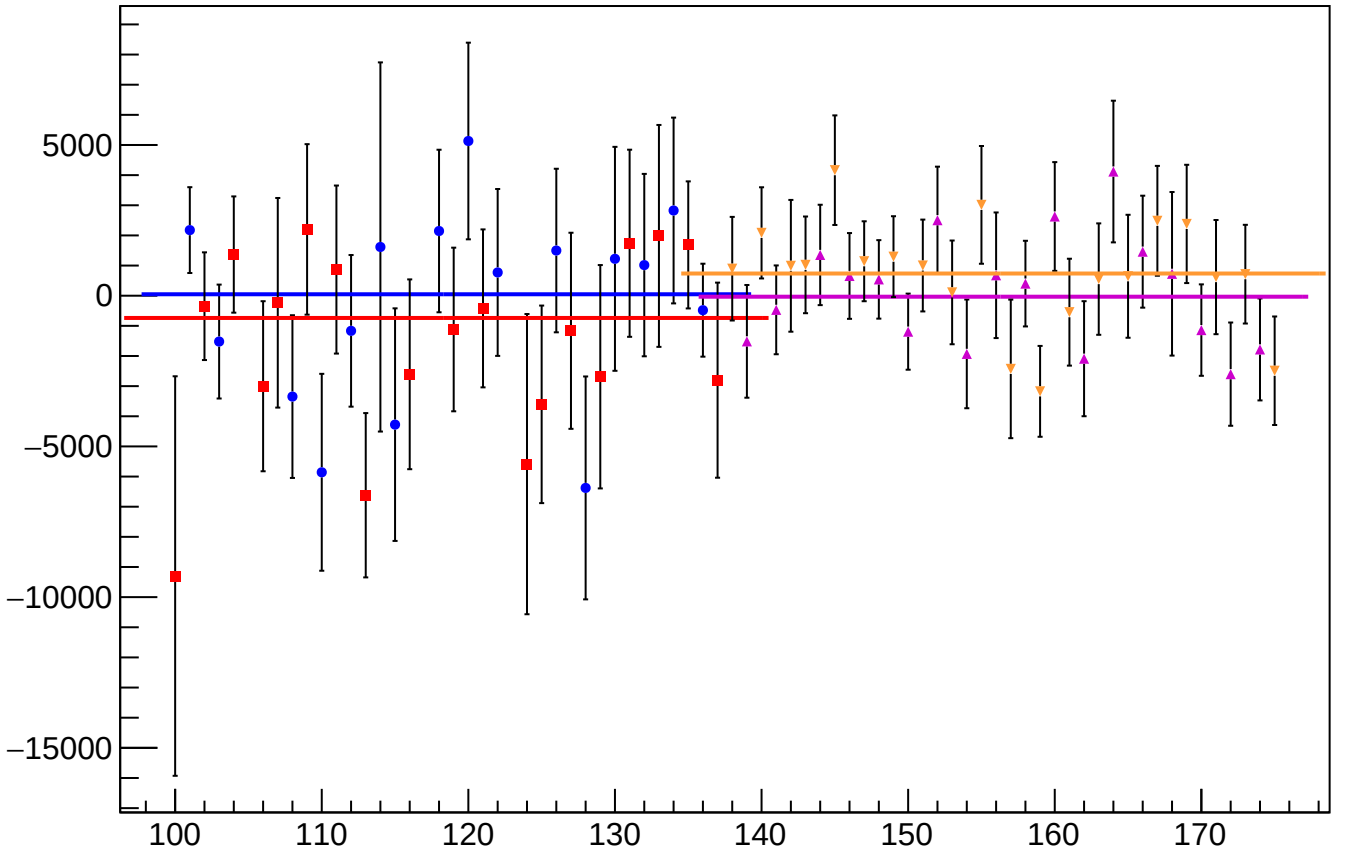
Left: 1099.388+/-0.140 χ^2/NDF: 8570.6/37

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1101.683+/-0.166 χ^2/NDF:17794.6/33

Out: 1103.741+/-0.161 χ^2/NDF:14472.4/38

All: 1102.739+/-0.116 χ^2/NDF: 32346.2/72



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 736.232+/-382.551 χ^2/NDF:20.2/19

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

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

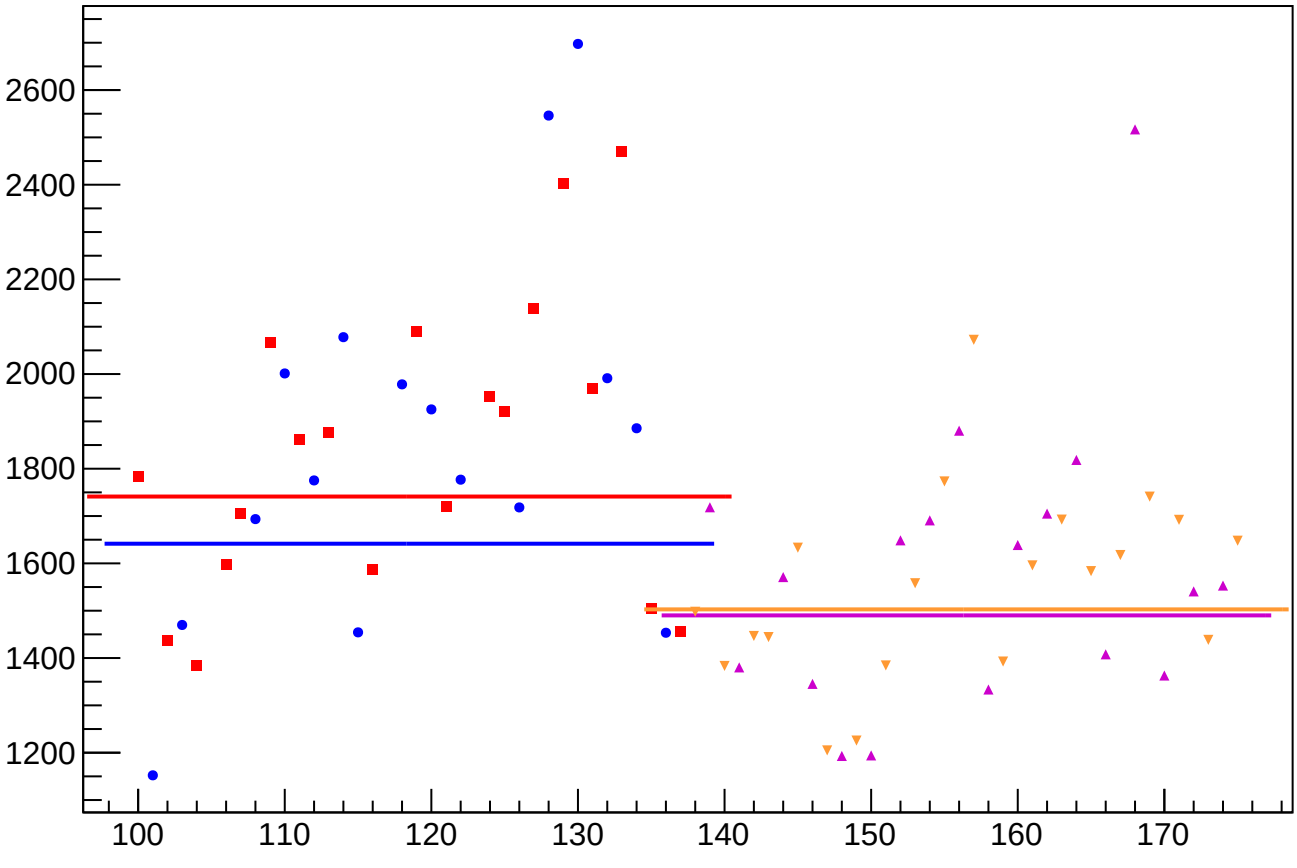
Left: 361.641+/-274.035 χ^2/NDF: 39.2/37

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -10.403+/-332.994 χ^2/NDF:34.0/33

Out: 354.996+/-329.401 χ^2/NDF:39.0/38

All: 174.278+/-234.182 χ^2/NDF: 73.6/72



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1502.790+/-0.271 χ^2/NDF:502184.6/19

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

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

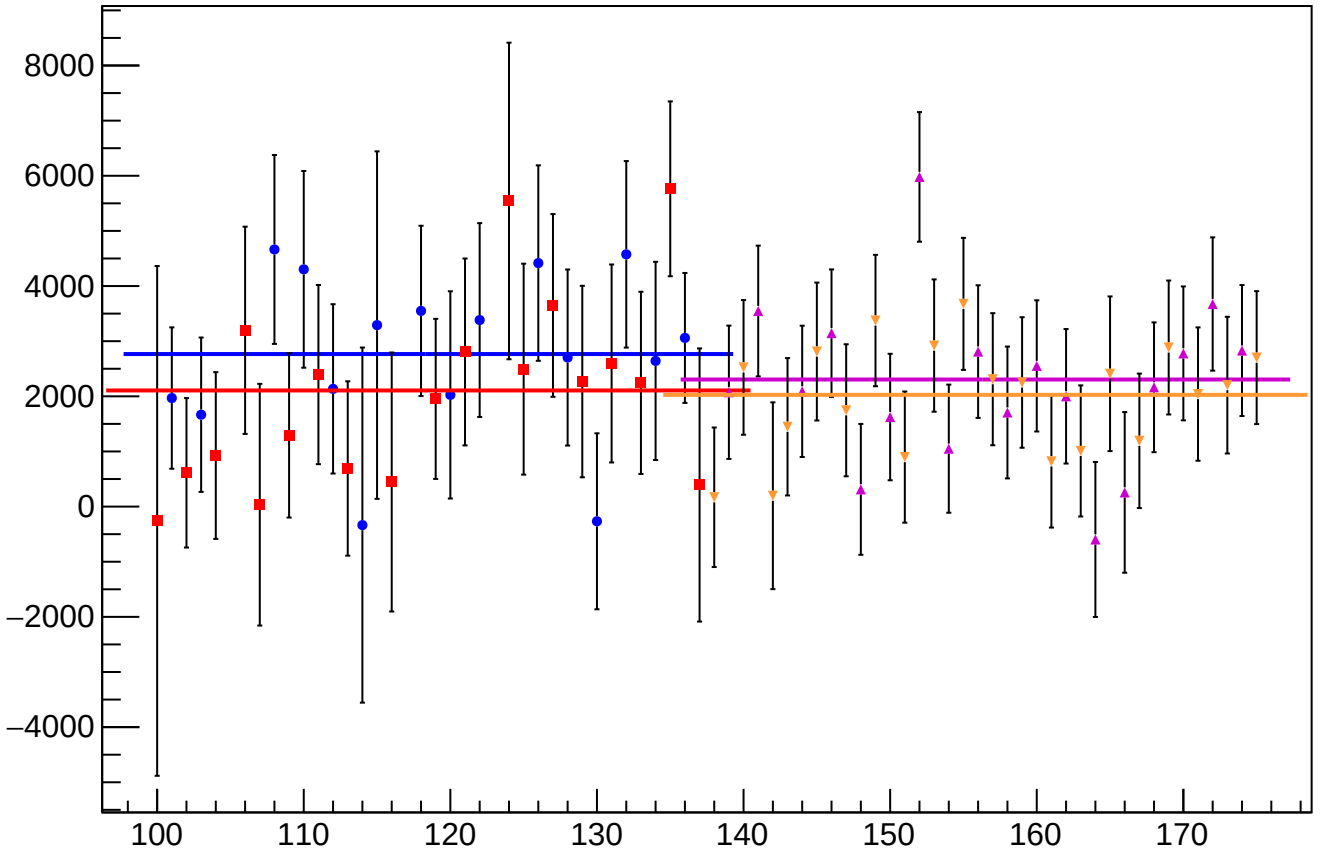
Left: 1496.605+/-0.194 χ^2/NDF: 1305695.7/37

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1532.661+/-0.235 χ^2/NDF:1587354.2/33

Out: 1564.435+/-0.233 χ^2/NDF:1141373.4/38

All: 1548.720+/-0.166 χ^2/NDF: 2737931.1/72



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2026.500+/-276.060 χ^2/NDF:12.0/19

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

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

Left: 2161.347+/-198.241 χ^2/NDF: 36.7/37

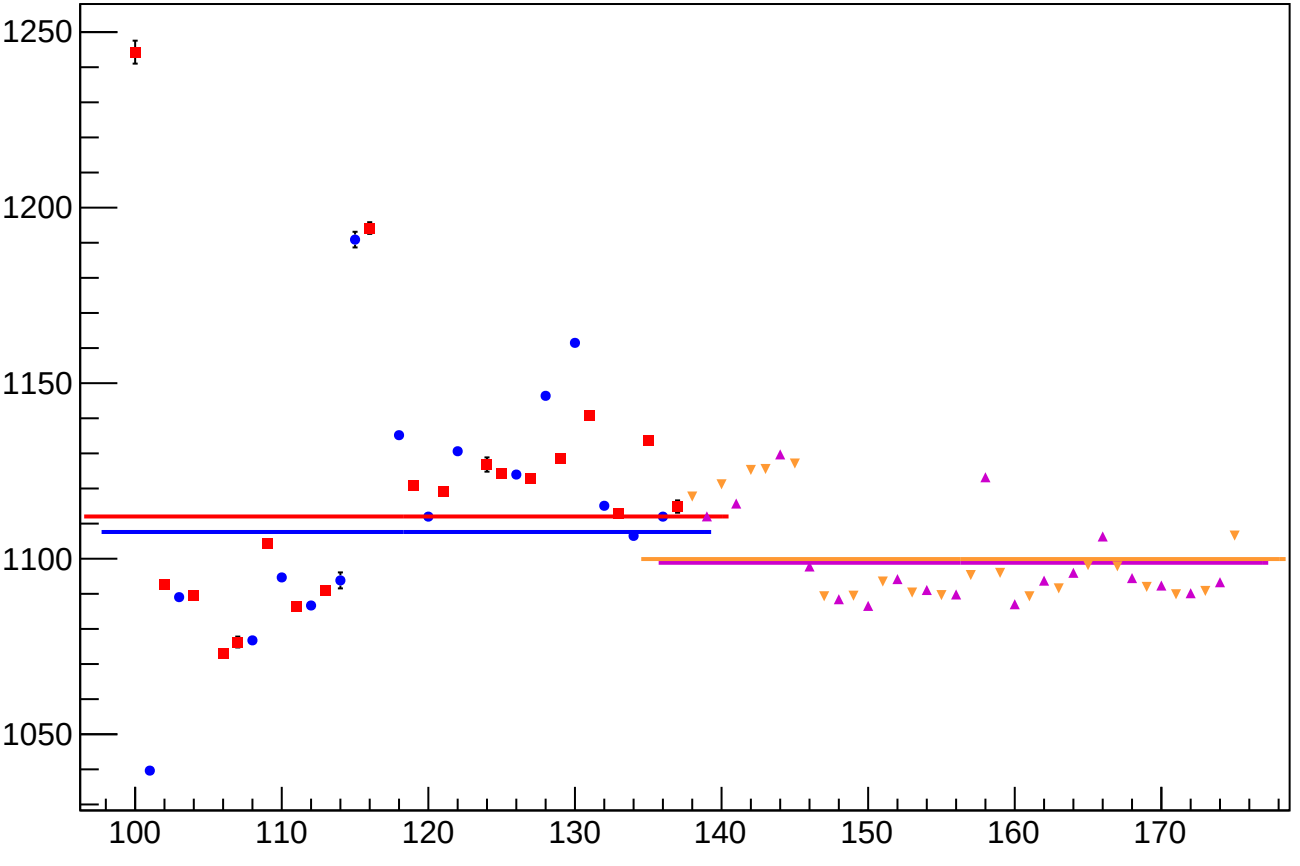
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2454.475+/-234.226 χ^2/NDF:35.4/33

Out: 2051.784+/-228.213 χ^2/NDF:25.4/38

All: 2247.894+/-163.455 χ^2/NDF: 62.3/72

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.8/19

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

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

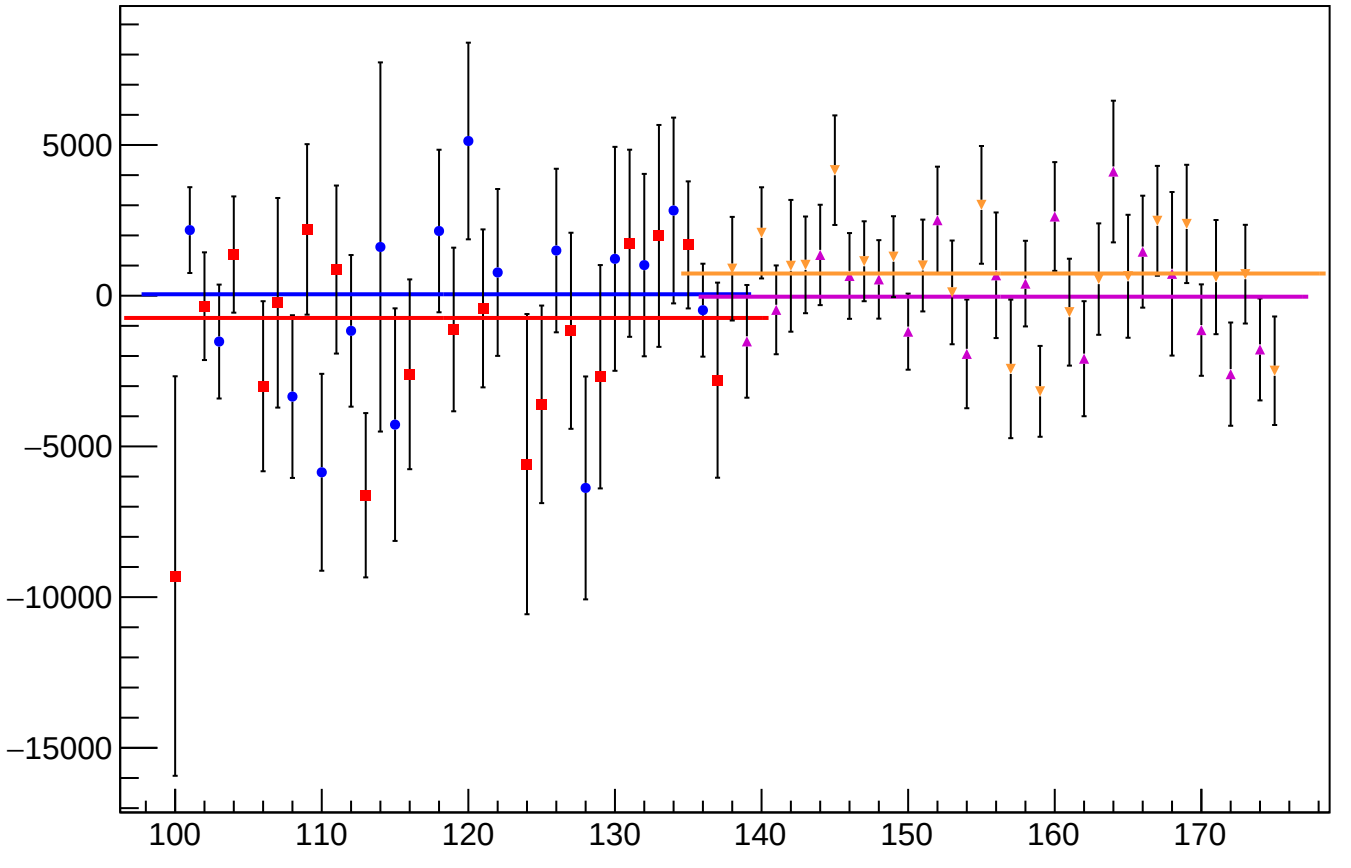
Left: 1099.388+/-0.140 χ^2/NDF: 8570.6/37

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1101.683+/-0.166 χ^2/NDF:17794.5/33

Out: 1103.741+/-0.161 χ^2/NDF:14472.3/38

All: 1102.739+/-0.116 χ^2/NDF: 32346.0/72



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 736.231+/-382.552 χ^2/NDF:20.2/19

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

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

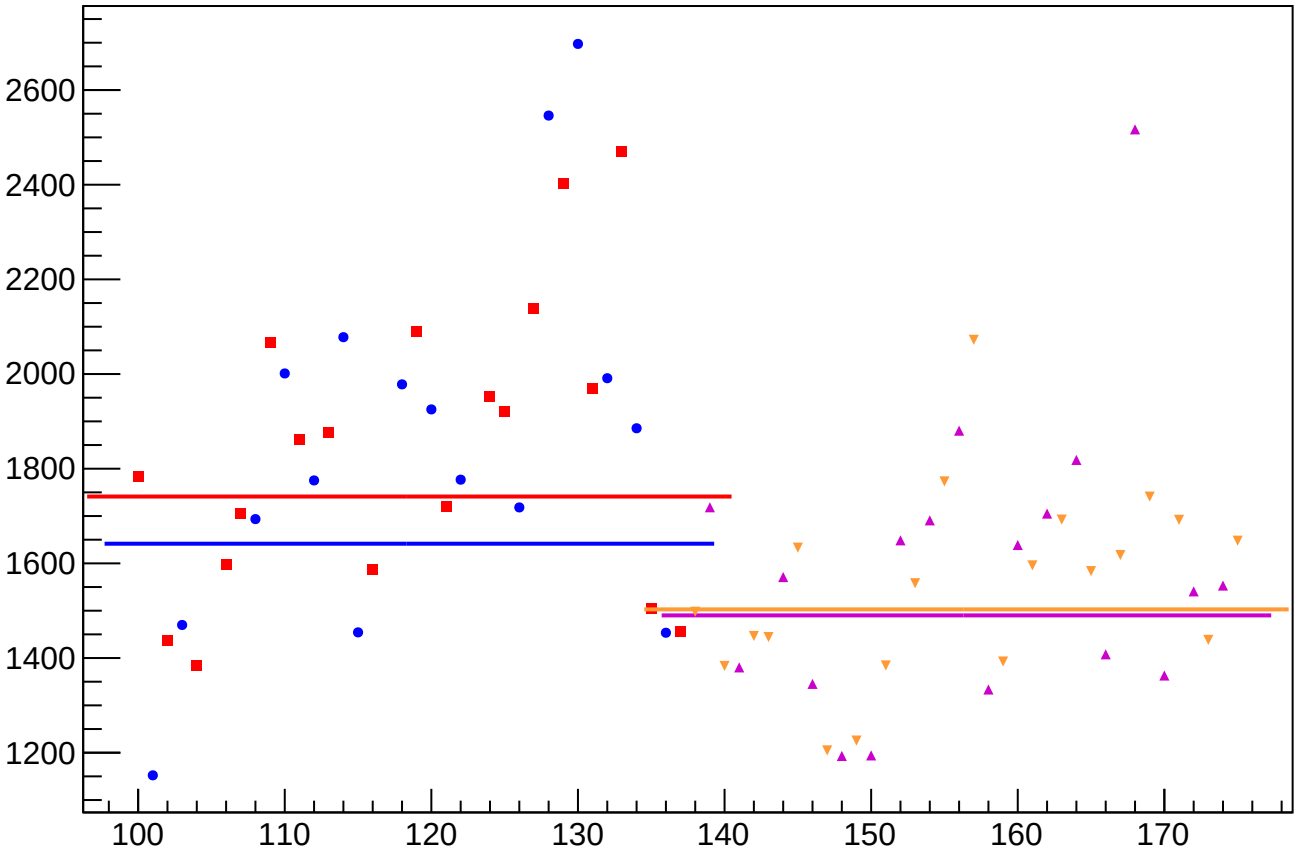
Left: 361.641+/-274.036 χ^2/NDF: 39.2/37

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -10.403+/-332.994 χ^2/NDF:34.0/33

Out: 354.992+/-329.401 χ^2/NDF:39.0/38

All: 174.276+/-234.182 χ^2/NDF: 73.6/72



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1502.793+/-0.271 χ^2/NDF:502189.0/19

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

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

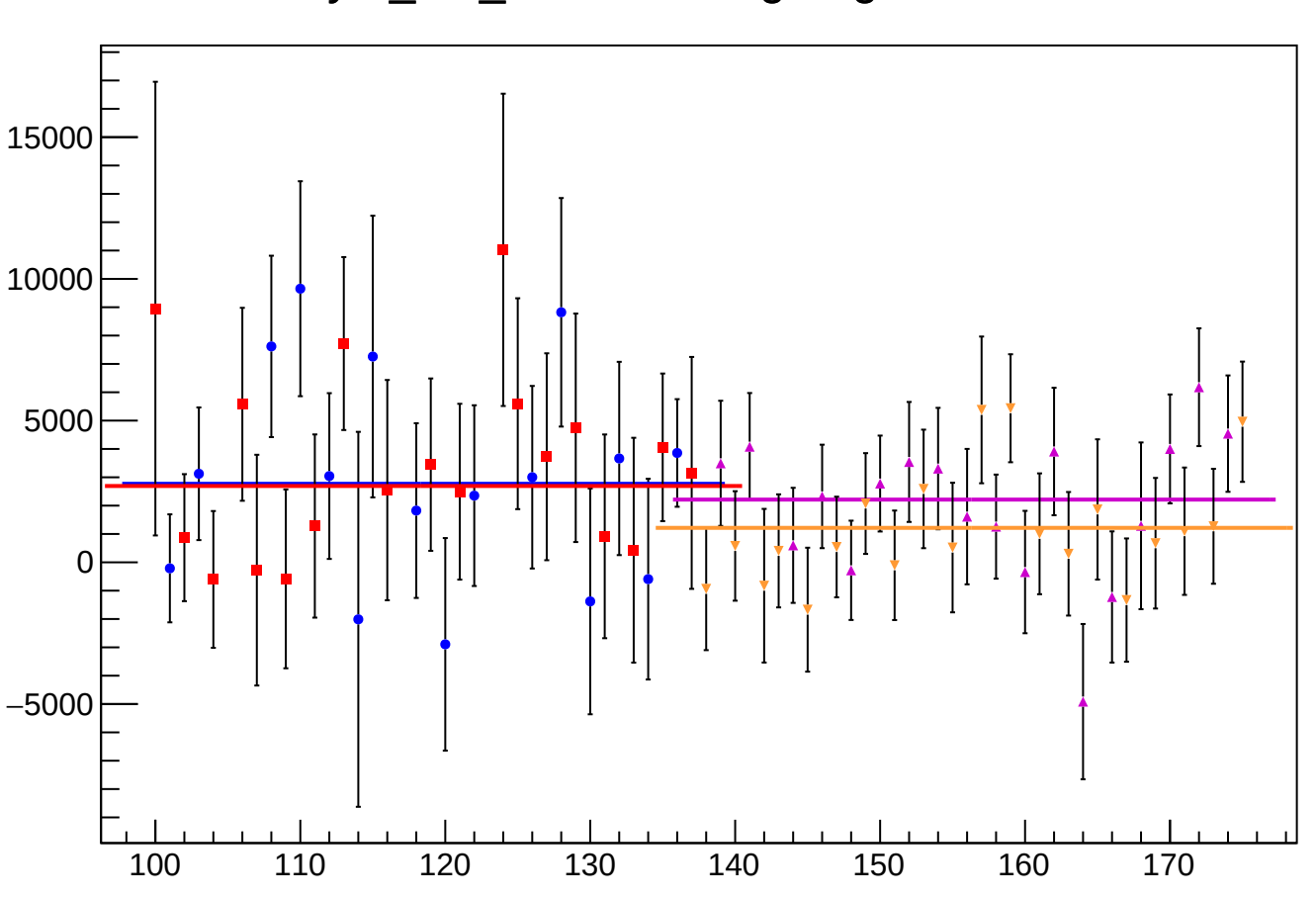
Left: 1496.609+/-0.194 χ^2/NDF: 1305706.0/37

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1532.663+/-0.235 χ^2/NDF:1587341.5/33

Out: 1564.438+/-0.233 χ^2/NDF:1141357.0/38

All: 1548.723+/-0.166 χ^2/NDF: 2737902.1/72



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1215.821+/-472.340 χ^2/NDF:17.2/19

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

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

Left: 1698.320+/-339.329 χ^2/NDF: 41.3/37

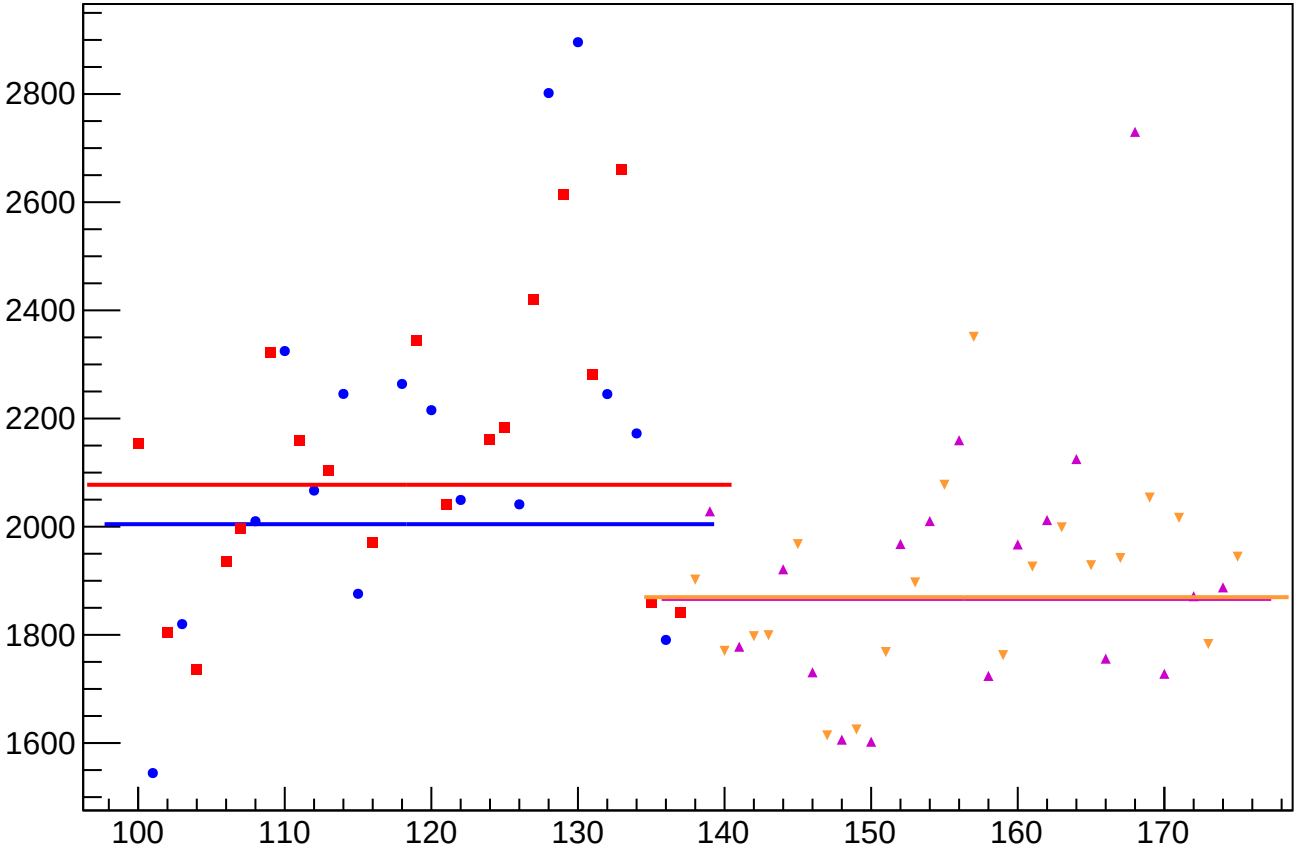
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2376.325+/-410.060 χ^2/NDF:38.7/33

Out: 1622.849+/-402.013 χ^2/NDF:32.5/38

All: 1992.121+/-287.069 χ^2/NDF: 72.9/72

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1869.646+/-0.334 χ^2/NDF:230080.5/19

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1866.525+/-0.345 χ^2/NDF:394414.4/17

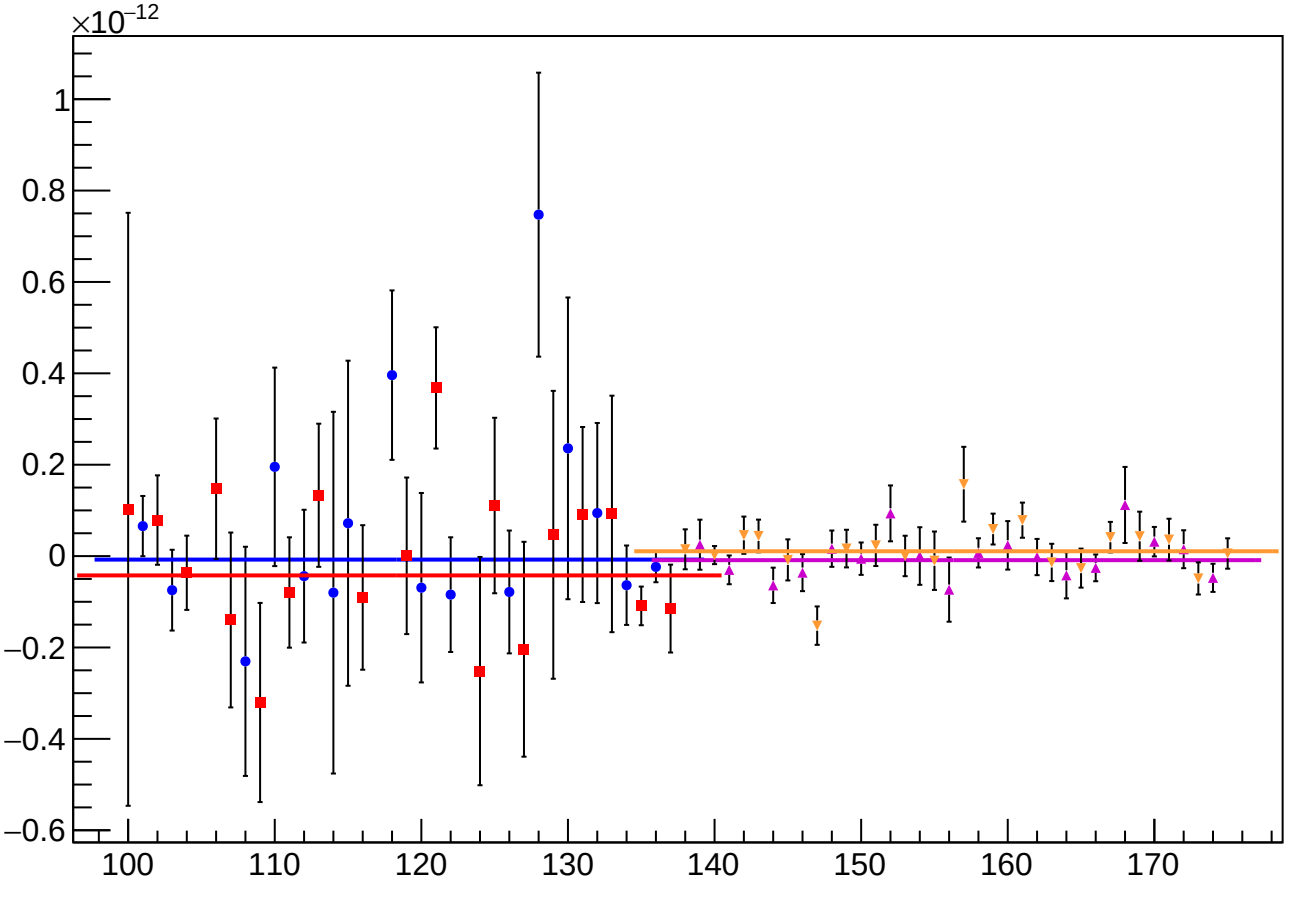
Left: 1868.136+/-0.240 χ^2/NDF: 624537.2/37

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1907.039+/-0.290 χ^2/NDF:829011.5/33

Out: 1926.934+/-0.284 χ^2/NDF:567305.6/38

All: 1917.183+/-0.203 χ^2/NDF: 1398717.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

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

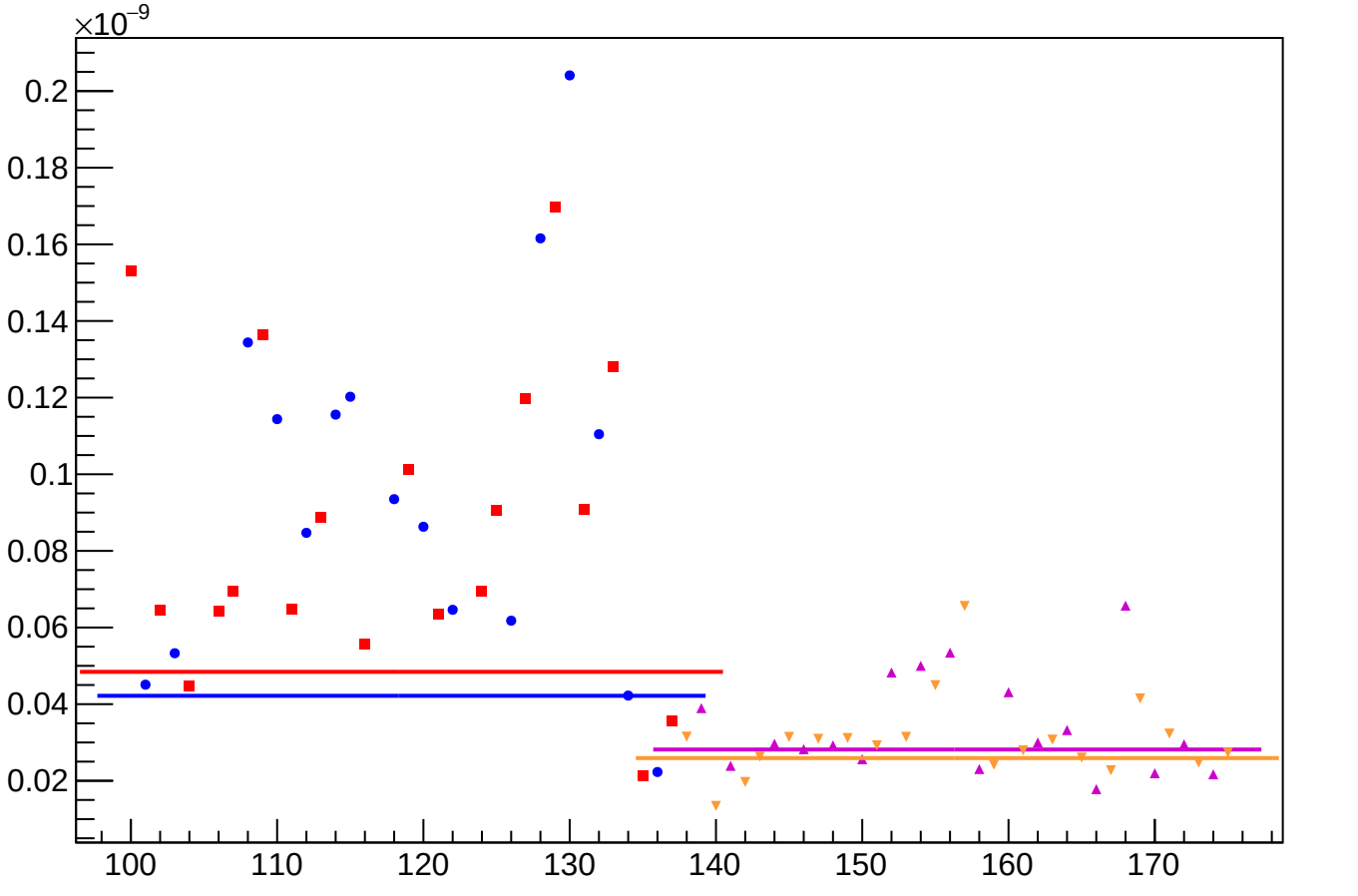
Left: 0.000+/-0.000 χ^2/NDF: 47.9/37

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:30.8/33

Out: 0.000+/-0.000 χ^2/NDF:56.4/38

All: -0.000+/-0.000 χ^2/NDF: 88.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1925654.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1898089.1/17

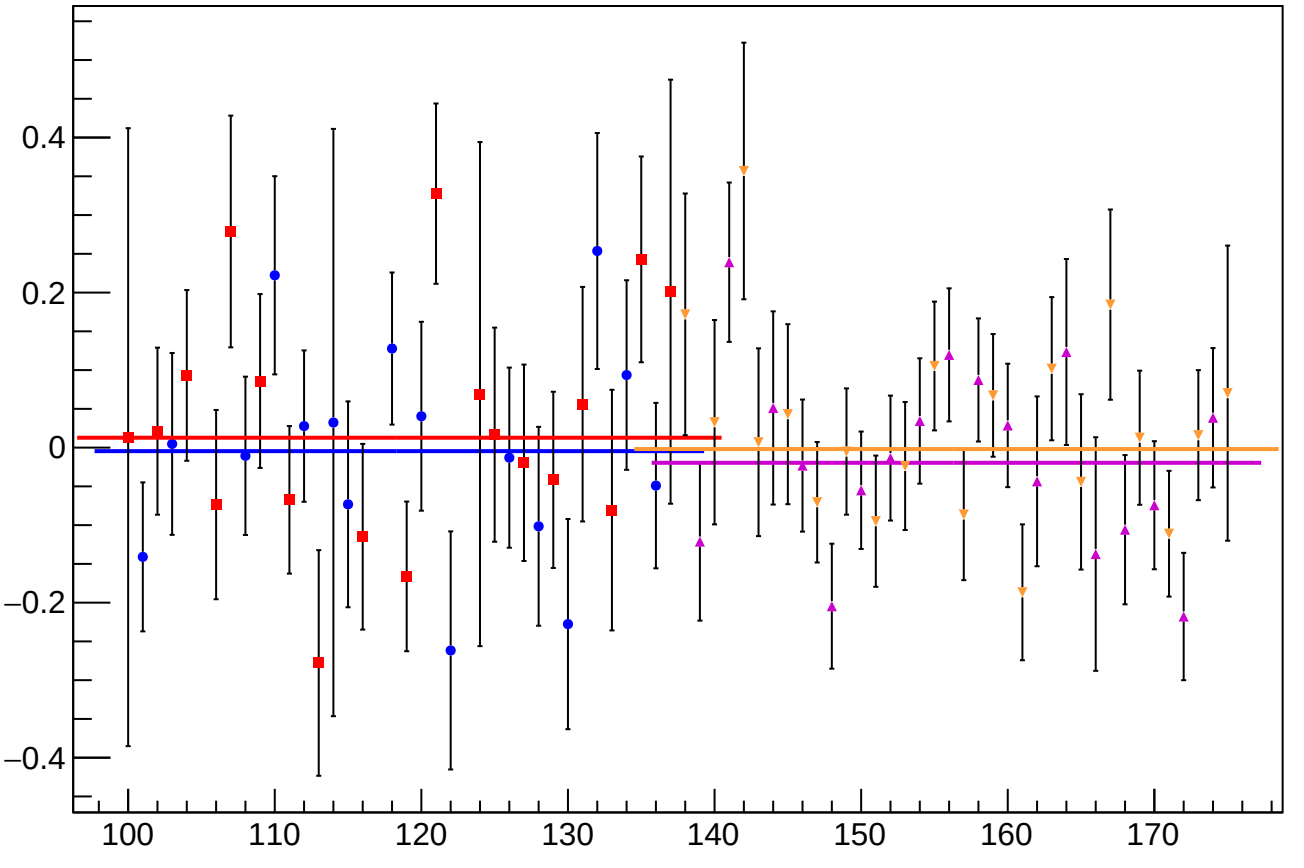
Left: 0.000+/-0.000 χ^2/NDF: 3884571.0/37

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:5409484.3/33

Out: 0.000+/-0.000 χ^2/NDF:5791640.1/38

All: 0.000+/-0.000 χ^2/NDF: 11258722.6/72



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

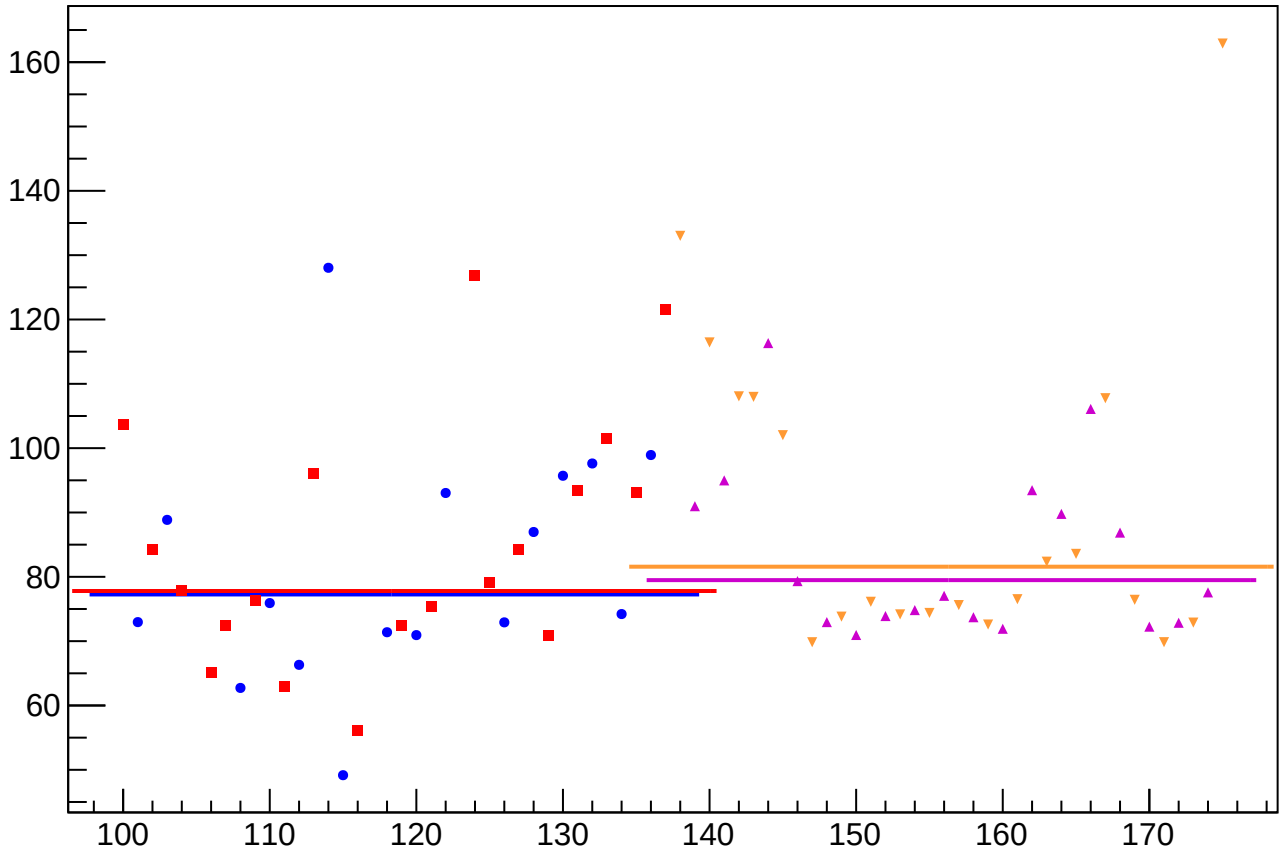
Left: -0.011+/-0.015 χ^2/NDF: 50.1/37

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.4/72



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

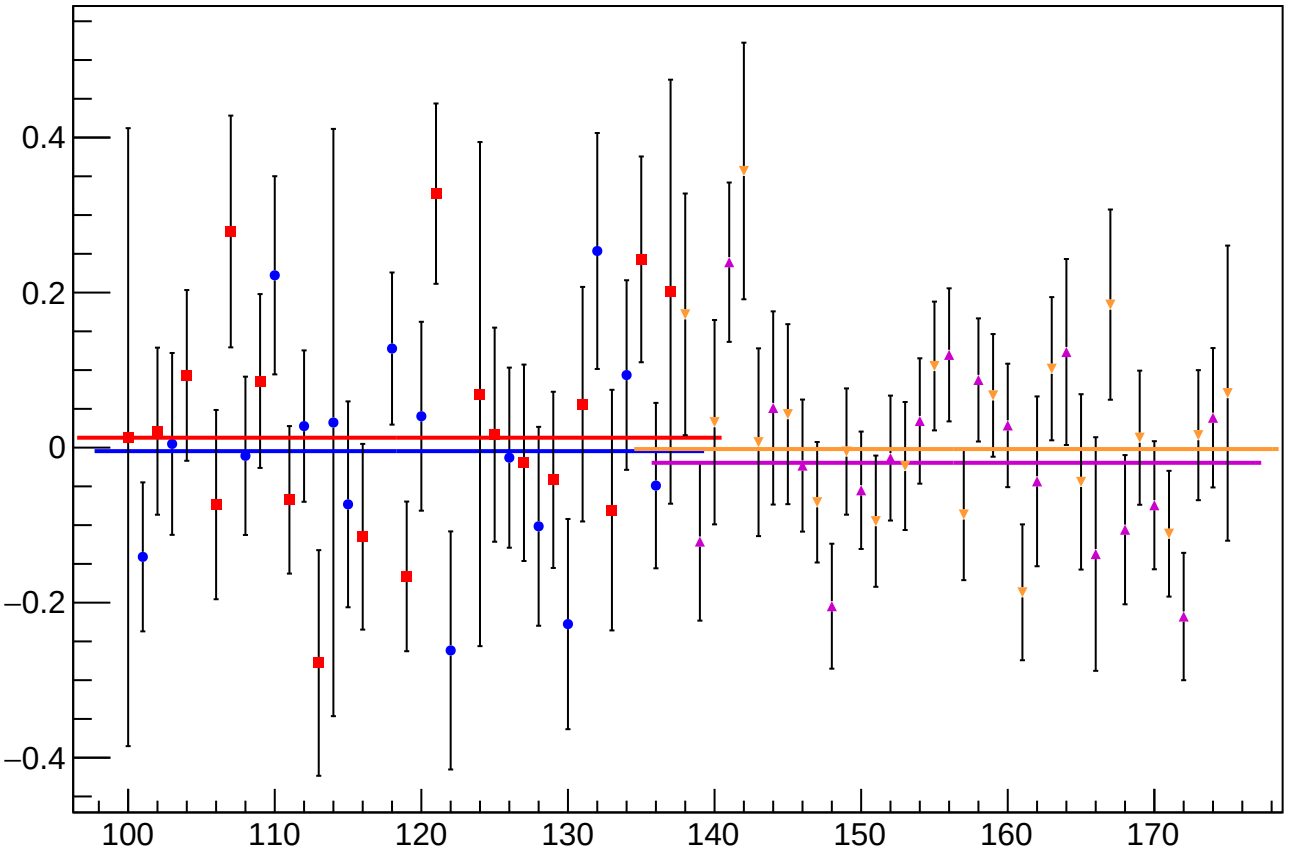
Left: 80.523+/-0.011 χ^2/NDF: 1729528.1/37

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.741+/-0.012 χ^2/NDF:907927.3/33

Out: 80.280+/-0.012 χ^2/NDF:1656387.9/38

All: 79.510+/-0.009 χ^2/NDF: 2572148.7/72



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

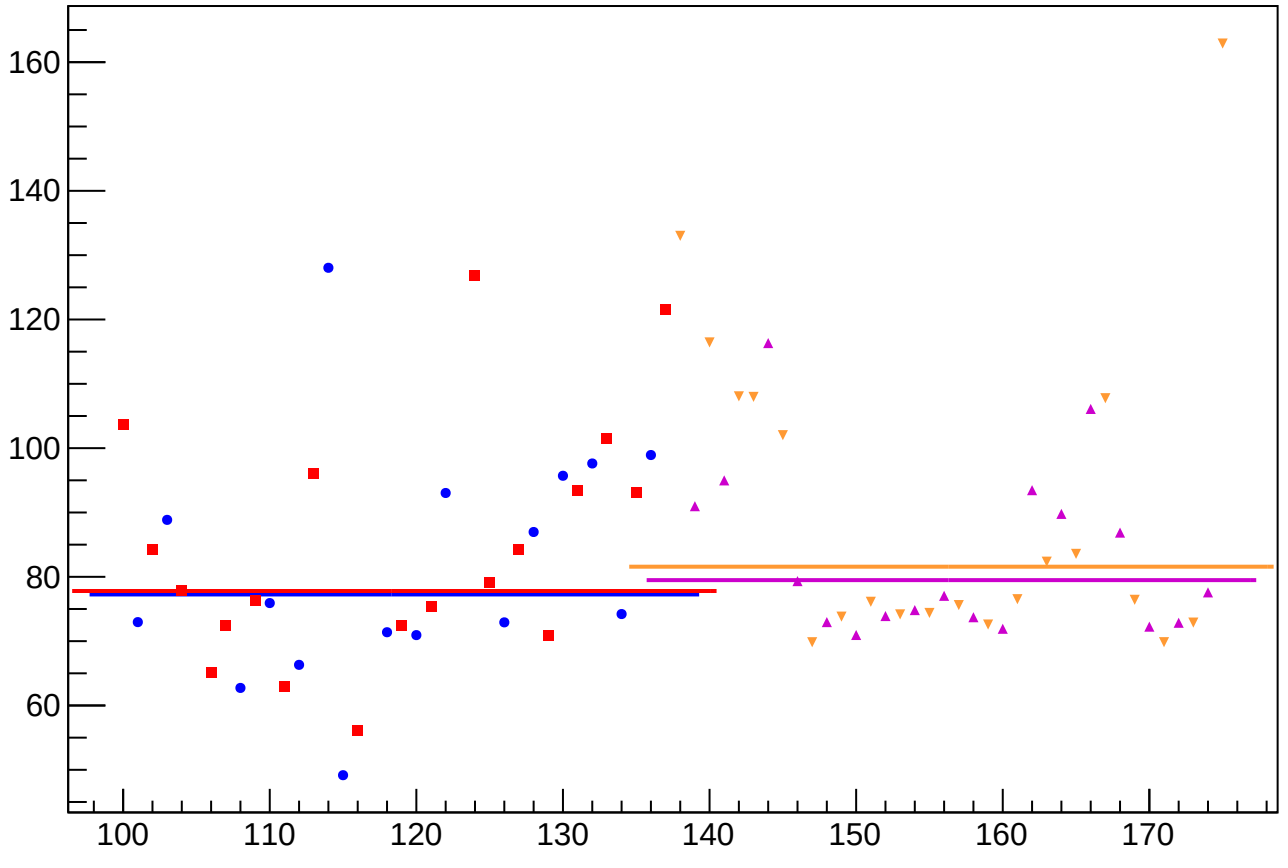
Left: -0.011+/-0.015 χ^2/NDF: 50.1/37

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.4/72



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

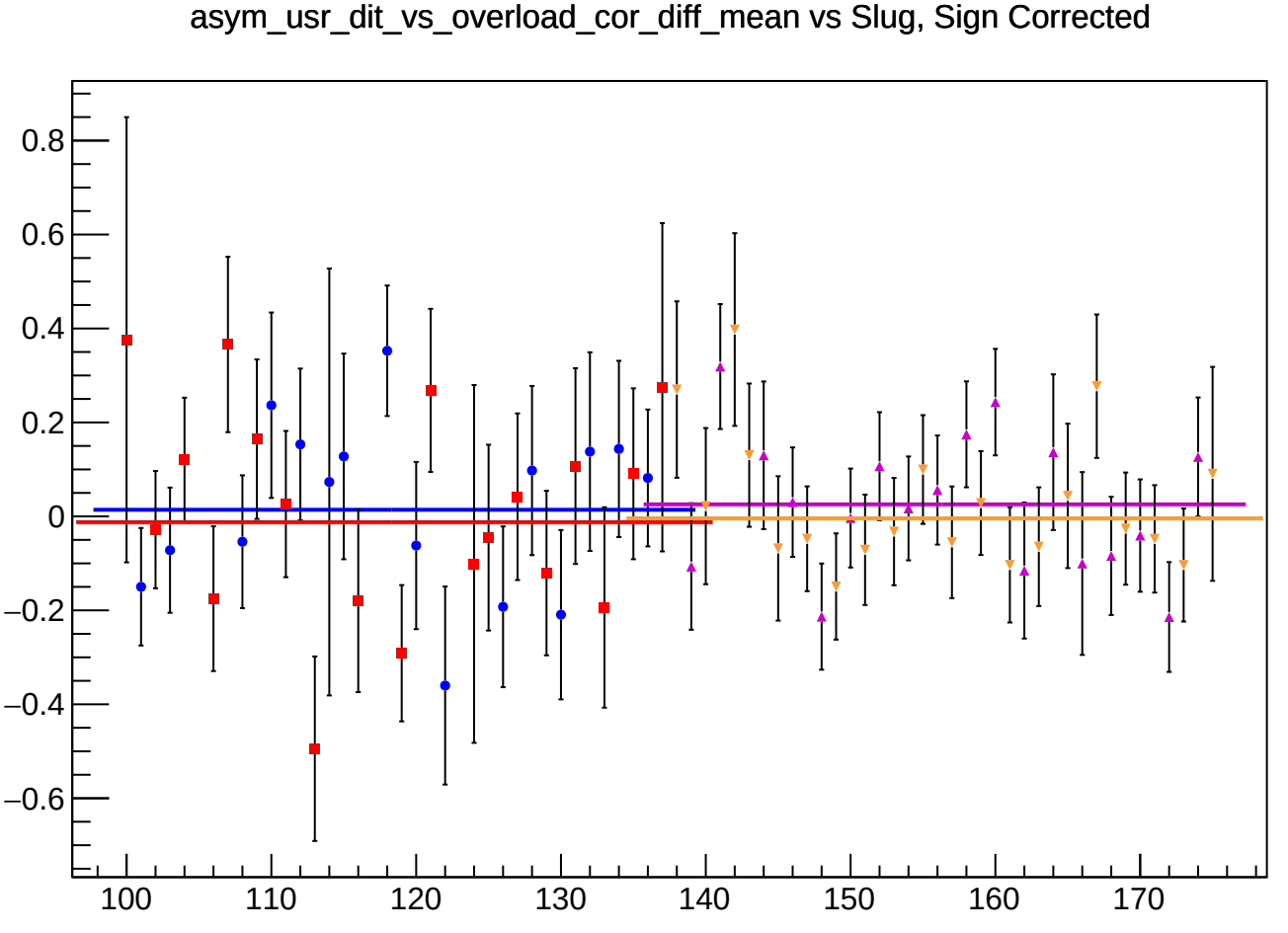
Left: 80.523+/-0.011 χ^2/NDF: 1729528.1/37

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.741+/-0.012 χ^2/NDF:907927.3/33

Out: 80.280+/-0.012 χ^2/NDF:1656387.9/38

All: 79.510+/-0.009 χ^2/NDF: 2572148.7/72



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.029 χ^2/NDF:15.6/19

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.026+/-0.029 χ^2/NDF:24.6/17

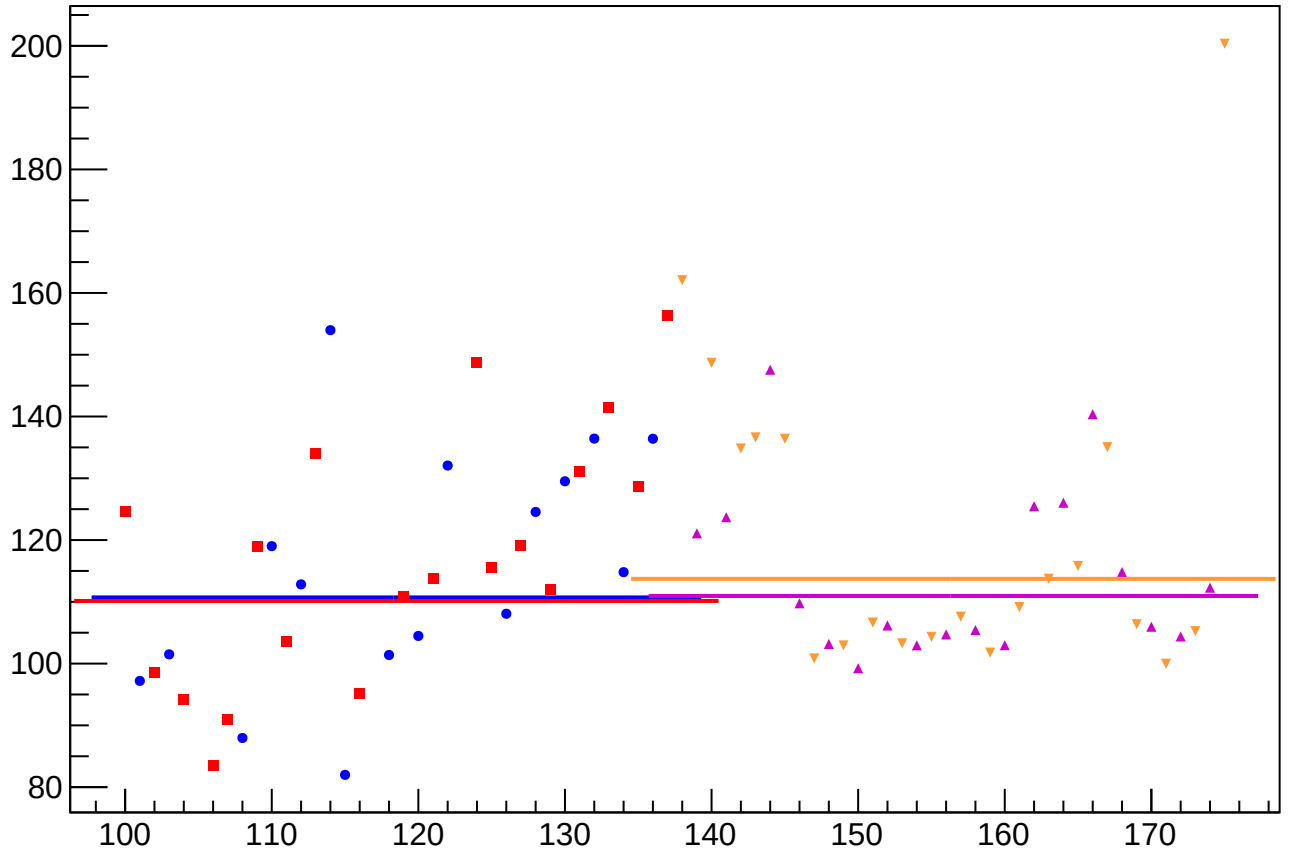
Left: 0.011+/-0.021 χ^2/NDF: 40.7/37

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.022+/-0.024 χ^2/NDF:42.8/33

Out: -0.007+/-0.024 χ^2/NDF:39.4/38

All: 0.007+/-0.017 χ^2/NDF: 82.9/72



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.720+/-0.021 χ^2/NDF:819882.0/19

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.951+/-0.021 χ^2/NDF:301262.9/17

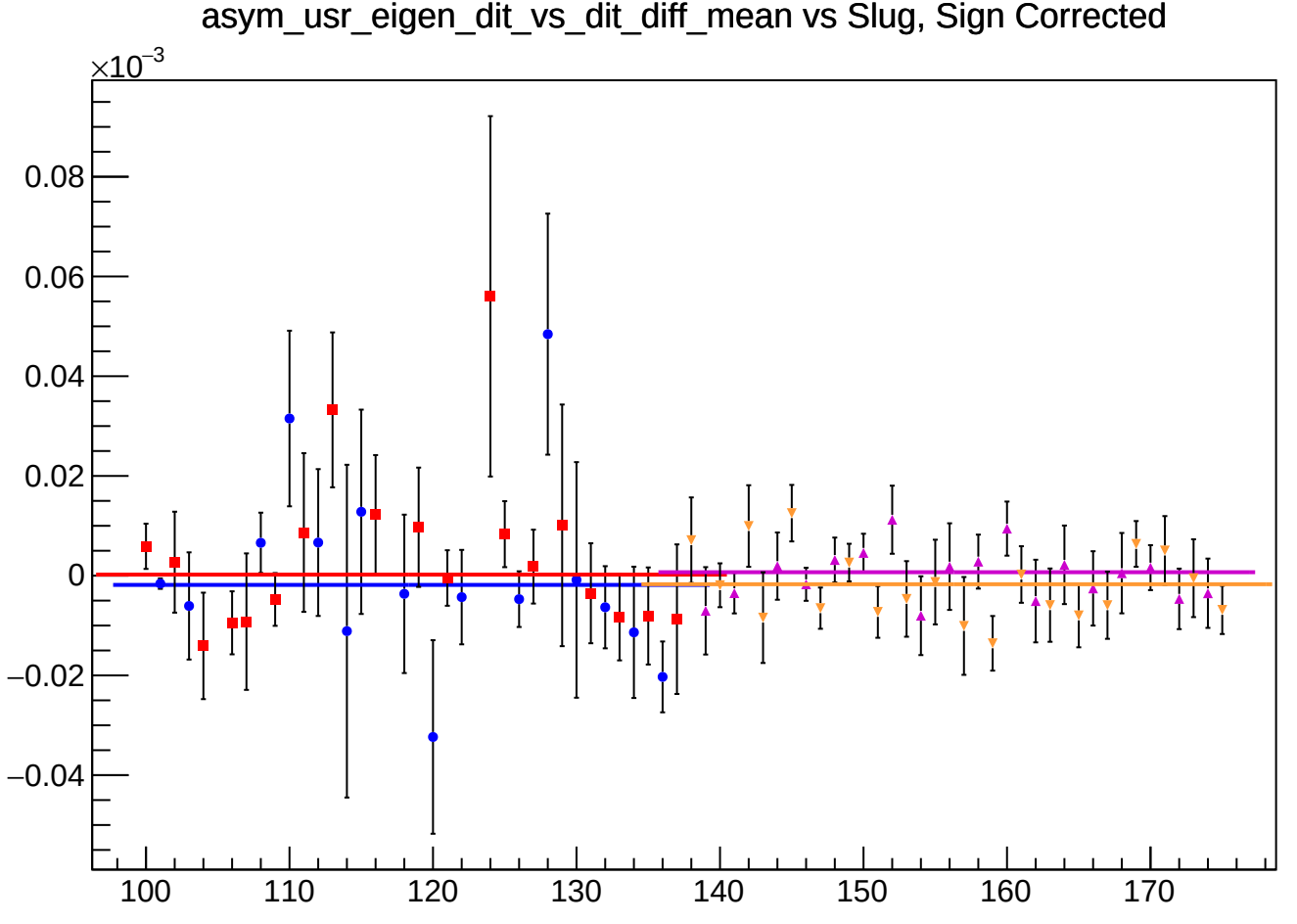
Left: 112.334+/-0.015 χ^2/NDF: 1130044.7/37

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 110.874+/-0.017 χ^2/NDF:601277.8/33

Out: 112.519+/-0.017 χ^2/NDF:1156558.6/38

All: 111.702+/-0.012 χ^2/NDF: 1762528.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/17

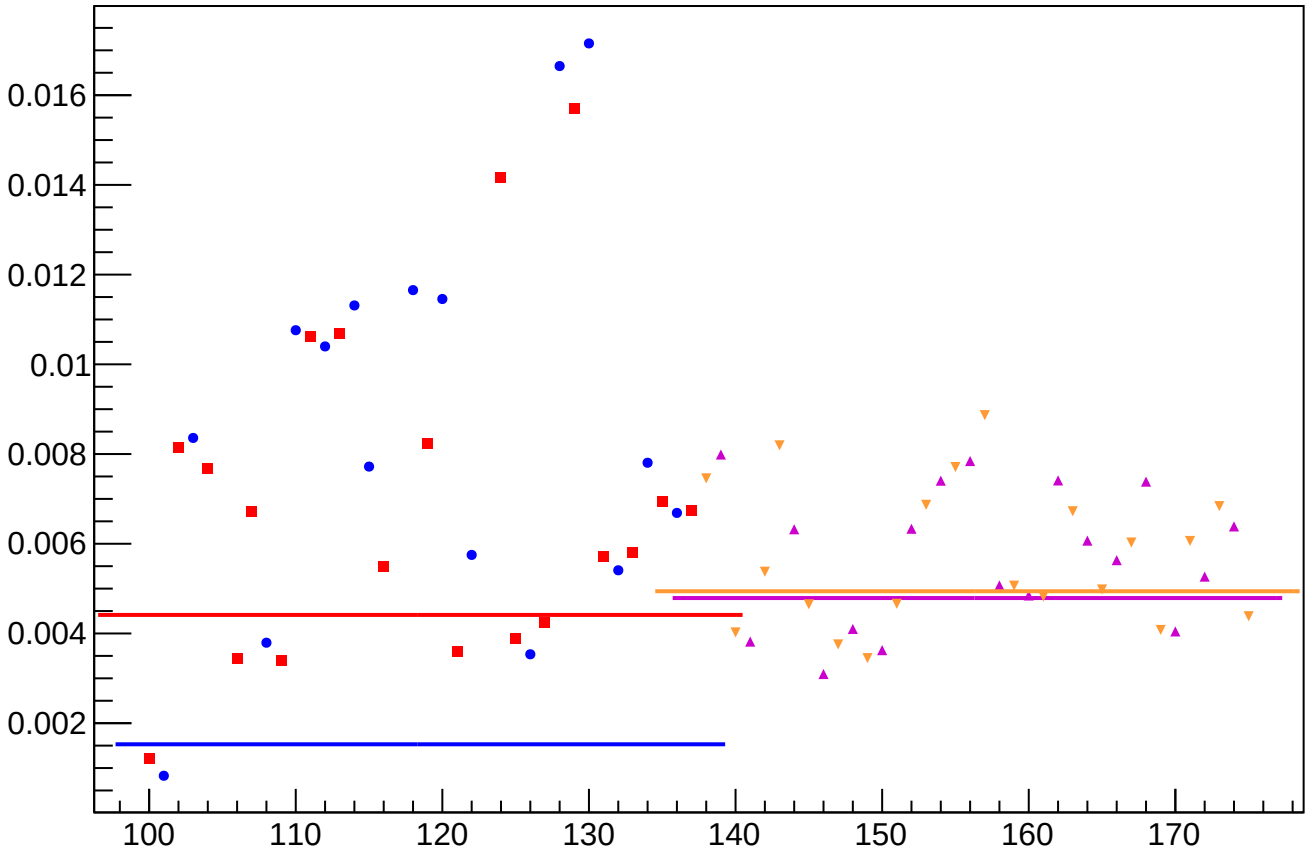
Left: -0.000+/-0.000 χ^2/NDF: 40.0/37

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:35.8/33

Out: -0.000+/-0.000 χ^2/NDF:46.9/38

All: -0.000+/-0.000 χ^2/NDF: 82.8/72



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2110145.6/19

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2471155.5/17

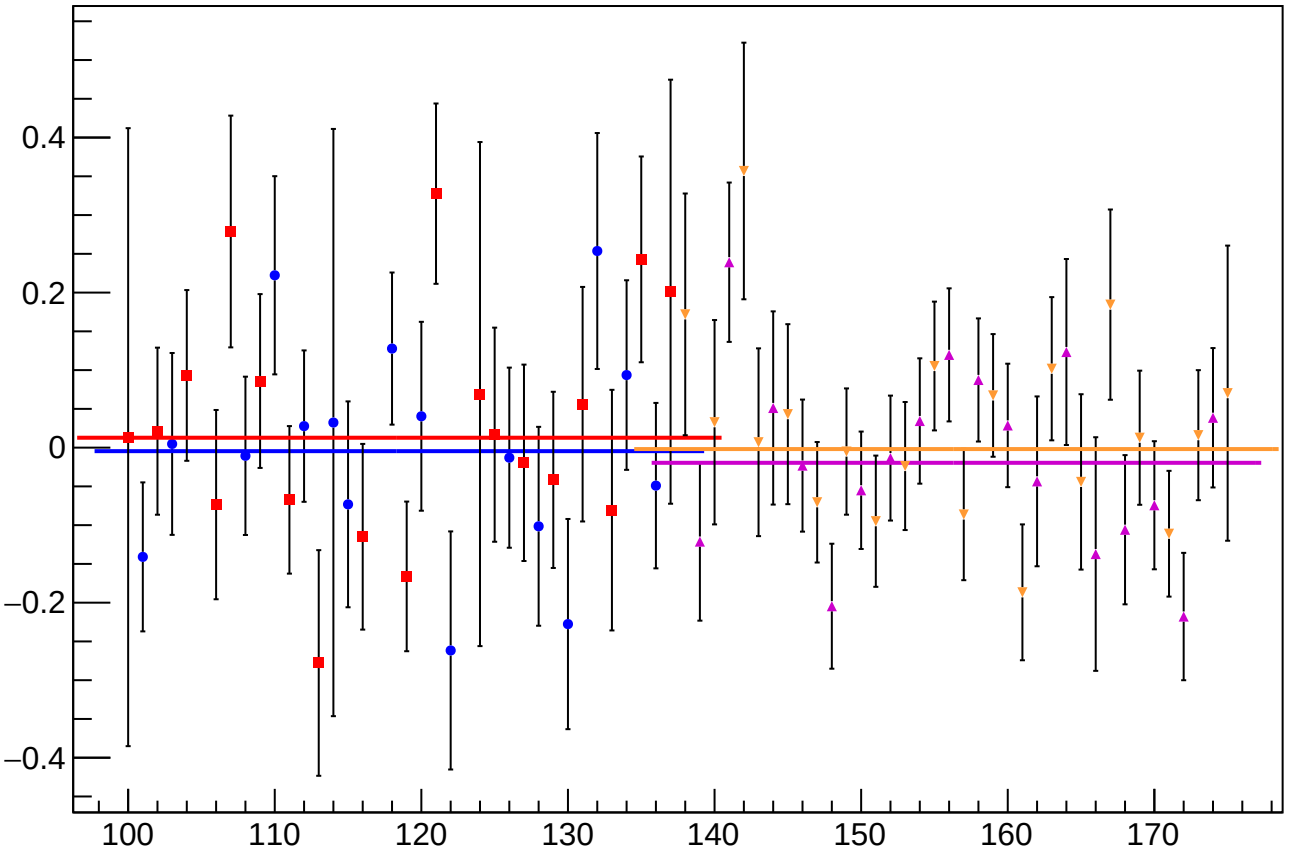
Left: 0.005+/-0.000 χ^2/NDF: 4594830.1/37

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.003+/-0.000 χ^2/NDF:19691627.3/33

Out: 0.005+/-0.000 χ^2/NDF:5601315.9/38

All: 0.003+/-0.000 χ^2/NDF: 30190823.7/72



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

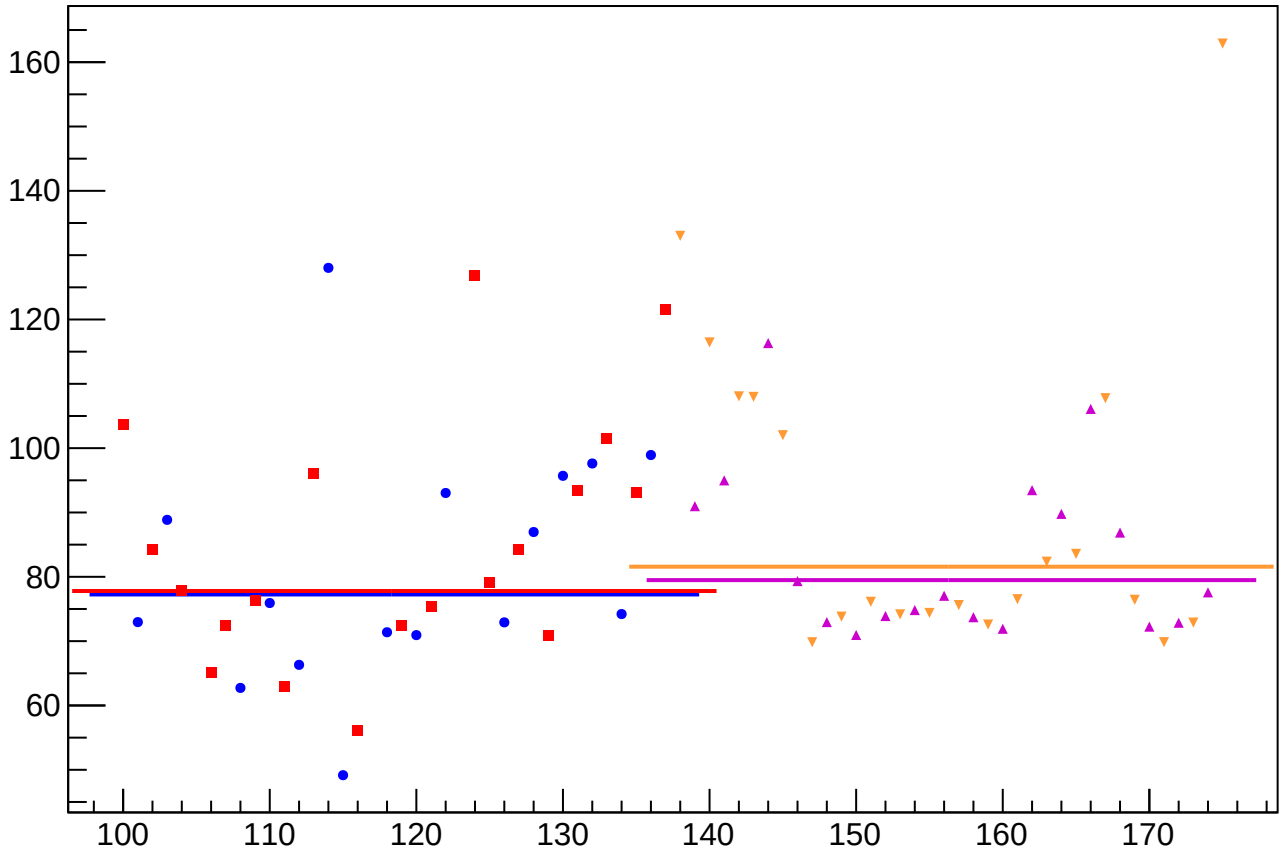
Left: -0.011+/-0.015 χ^2/NDF: 50.1/37

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.4/72



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

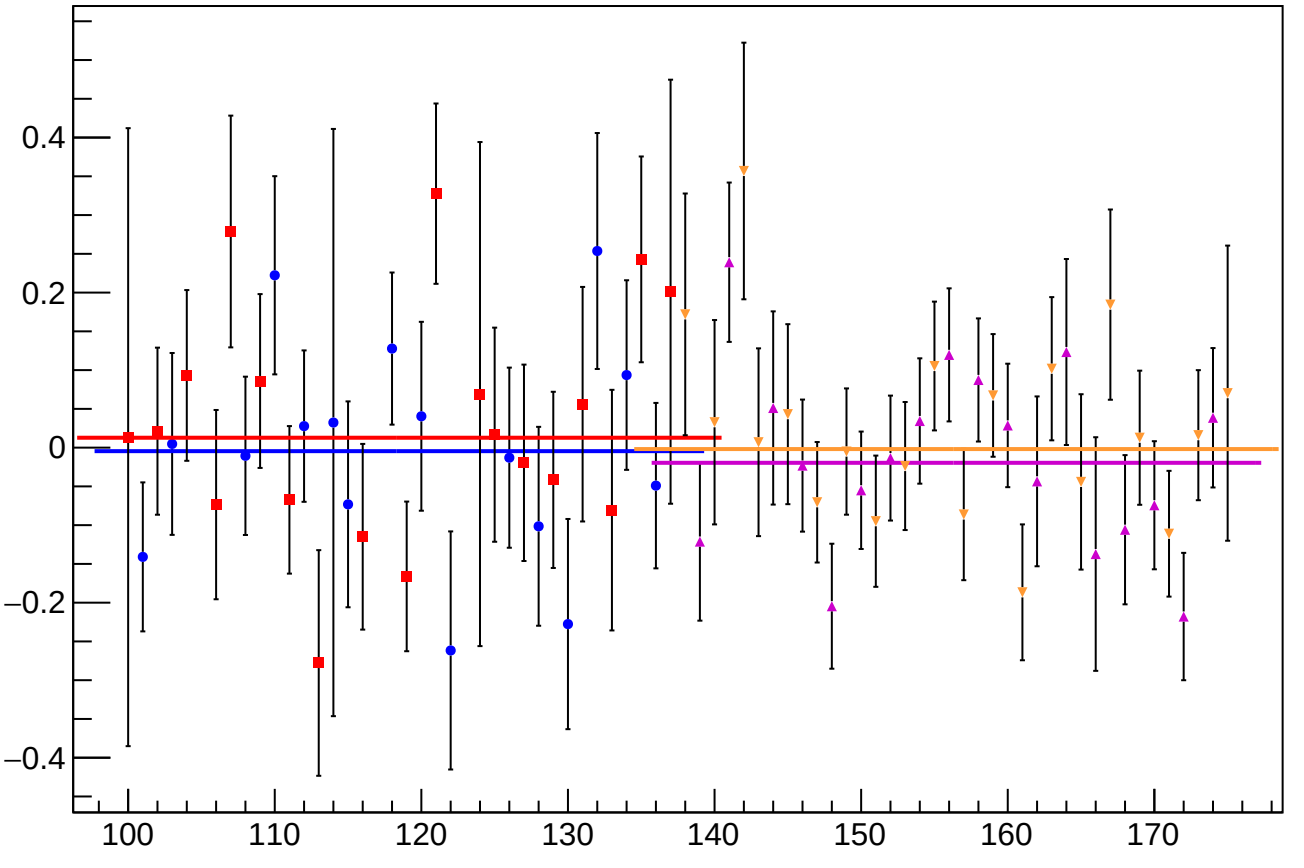
Left: 80.524+/-0.011 χ^2/NDF: 1729531.4/37

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.741+/-0.012 χ^2/NDF:907930.9/33

Out: 80.280+/-0.012 χ^2/NDF:1656408.9/38

All: 79.510+/-0.009 χ^2/NDF: 2572173.4/72



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

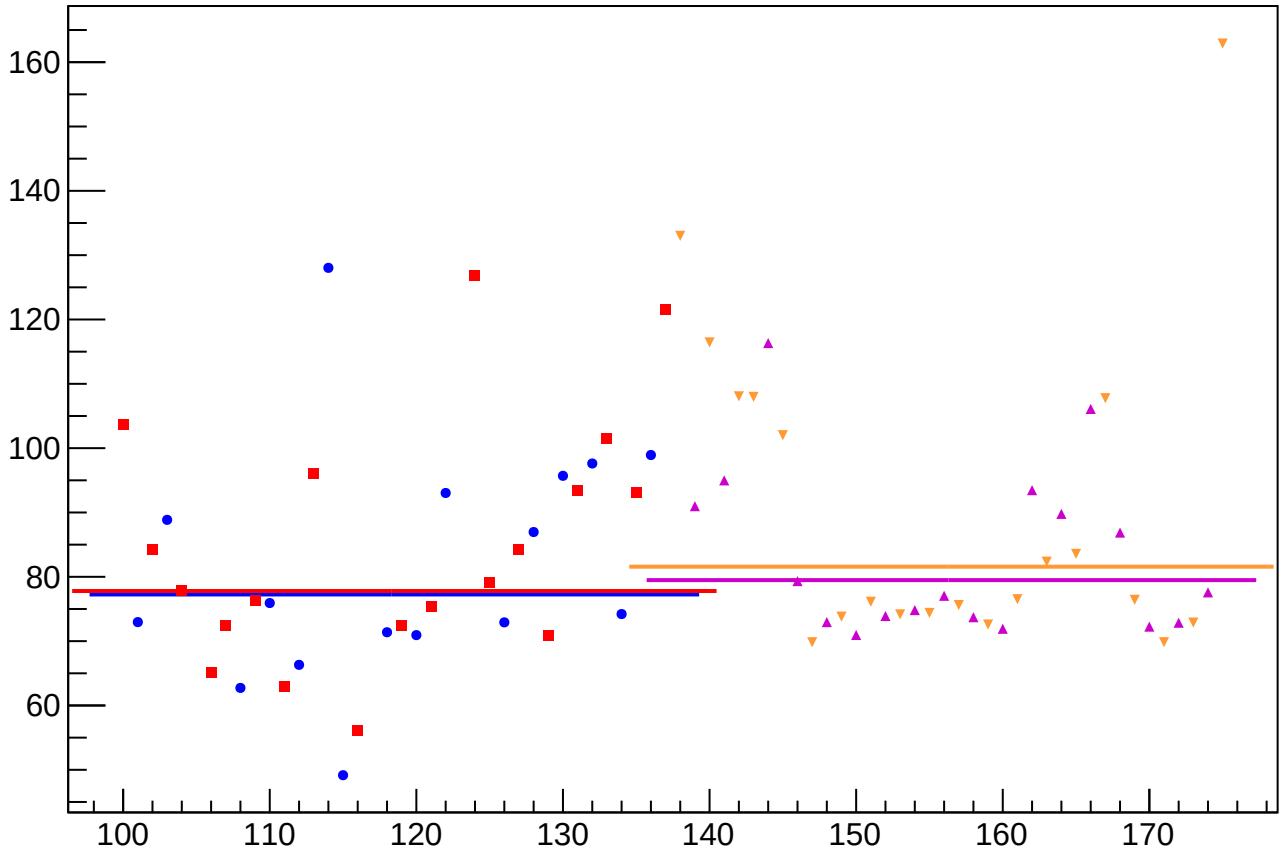
Left: -0.011+/-0.015 χ^2/NDF: 50.1/37

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.4/72



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

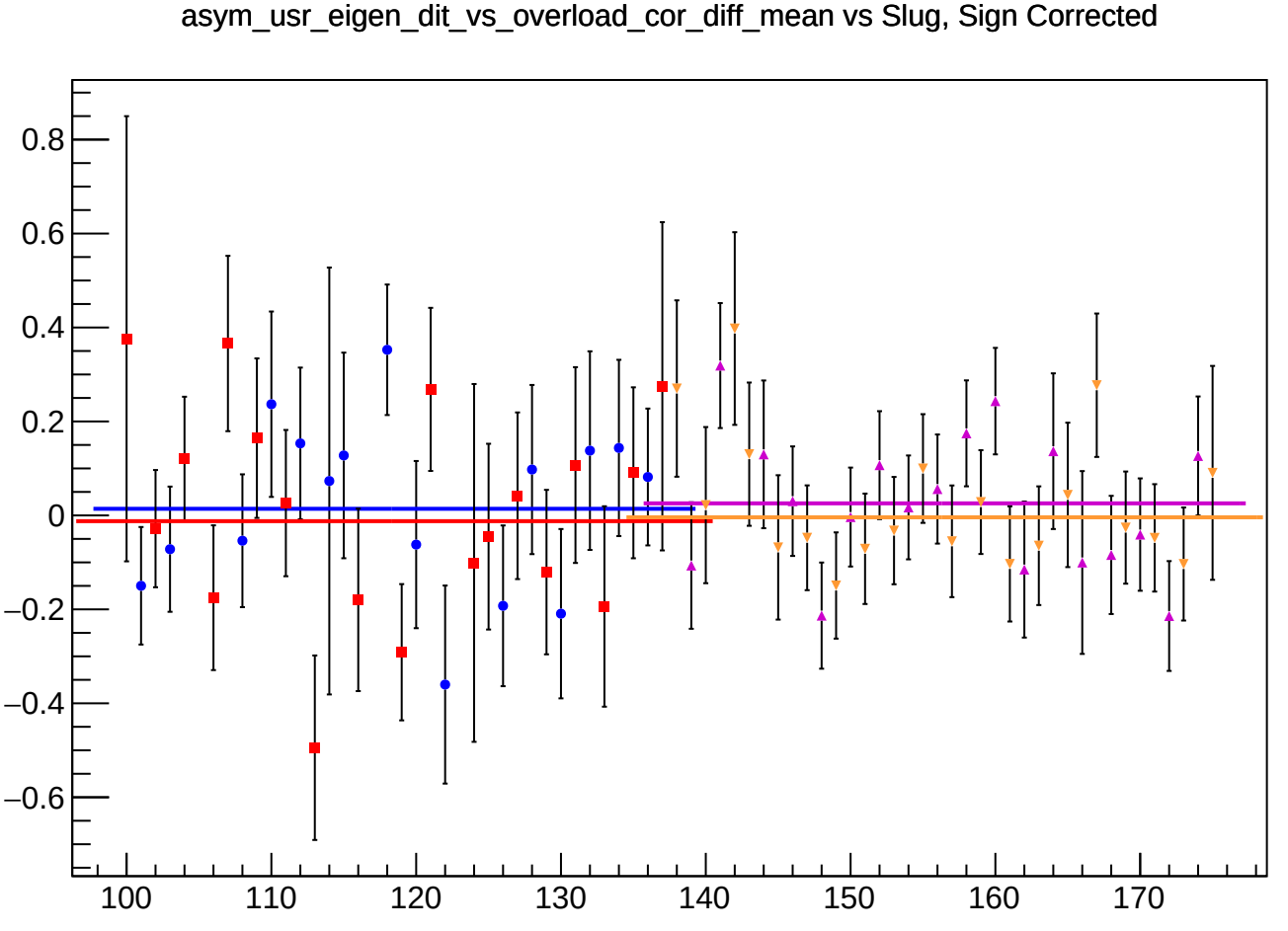
Left: 80.524+/-0.011 χ^2/NDF: 1729531.4/37

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.741+/-0.012 χ^2/NDF:907930.9/33

Out: 80.280+/-0.012 χ^2/NDF:1656408.9/38

All: 79.510+/-0.009 χ^2/NDF: 2572173.4/72



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.029 χ^2/NDF:15.6/19

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.026+/-0.029 χ^2/NDF:24.6/17

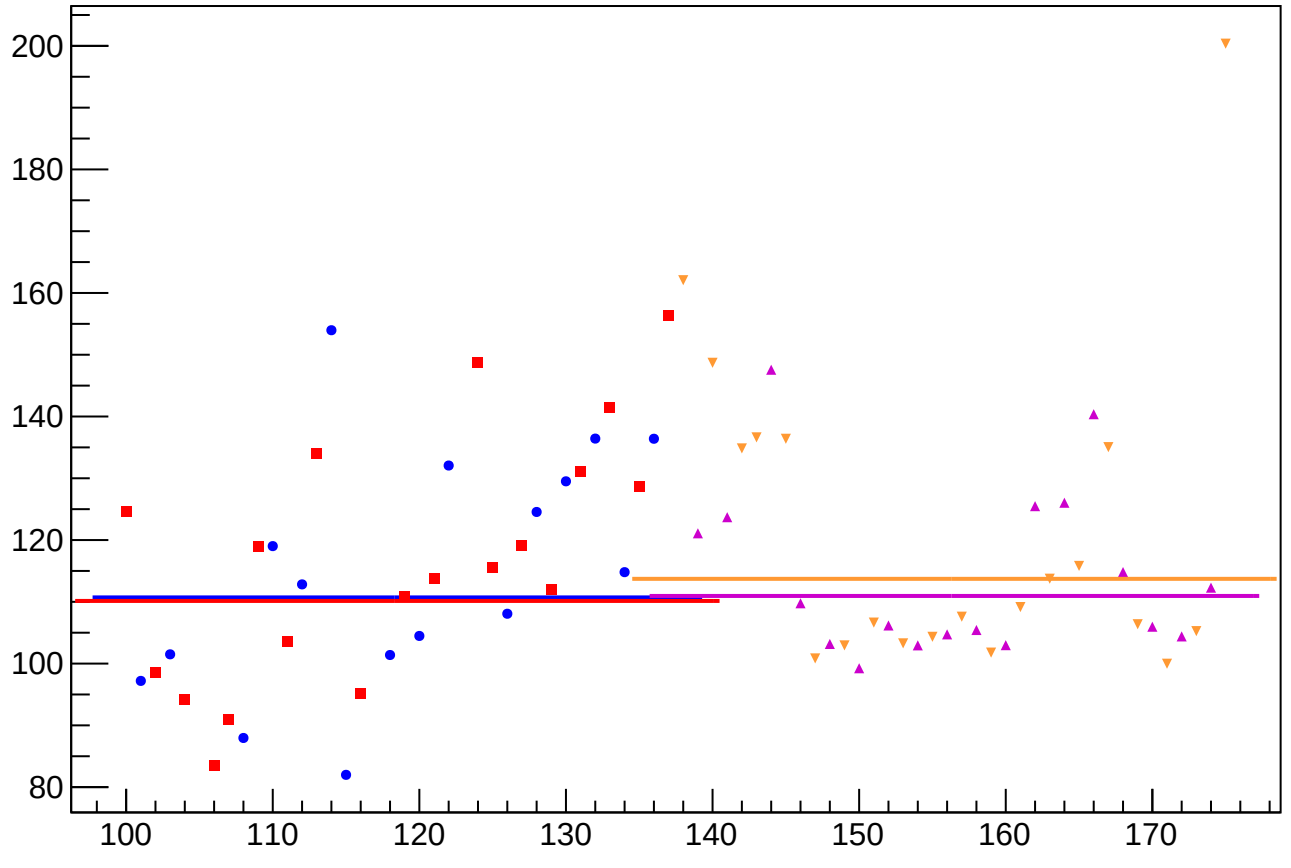
Left: 0.011+/-0.021 χ^2/NDF: 40.7/37

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.022+/-0.024 χ^2/NDF:42.8/33

Out: -0.007+/-0.024 χ^2/NDF:39.4/38

All: 0.007+/-0.017 χ^2/NDF: 82.9/72



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.721+/-0.021 χ^2/NDF:819880.5/19

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.951+/-0.021 χ^2/NDF:301266.1/17

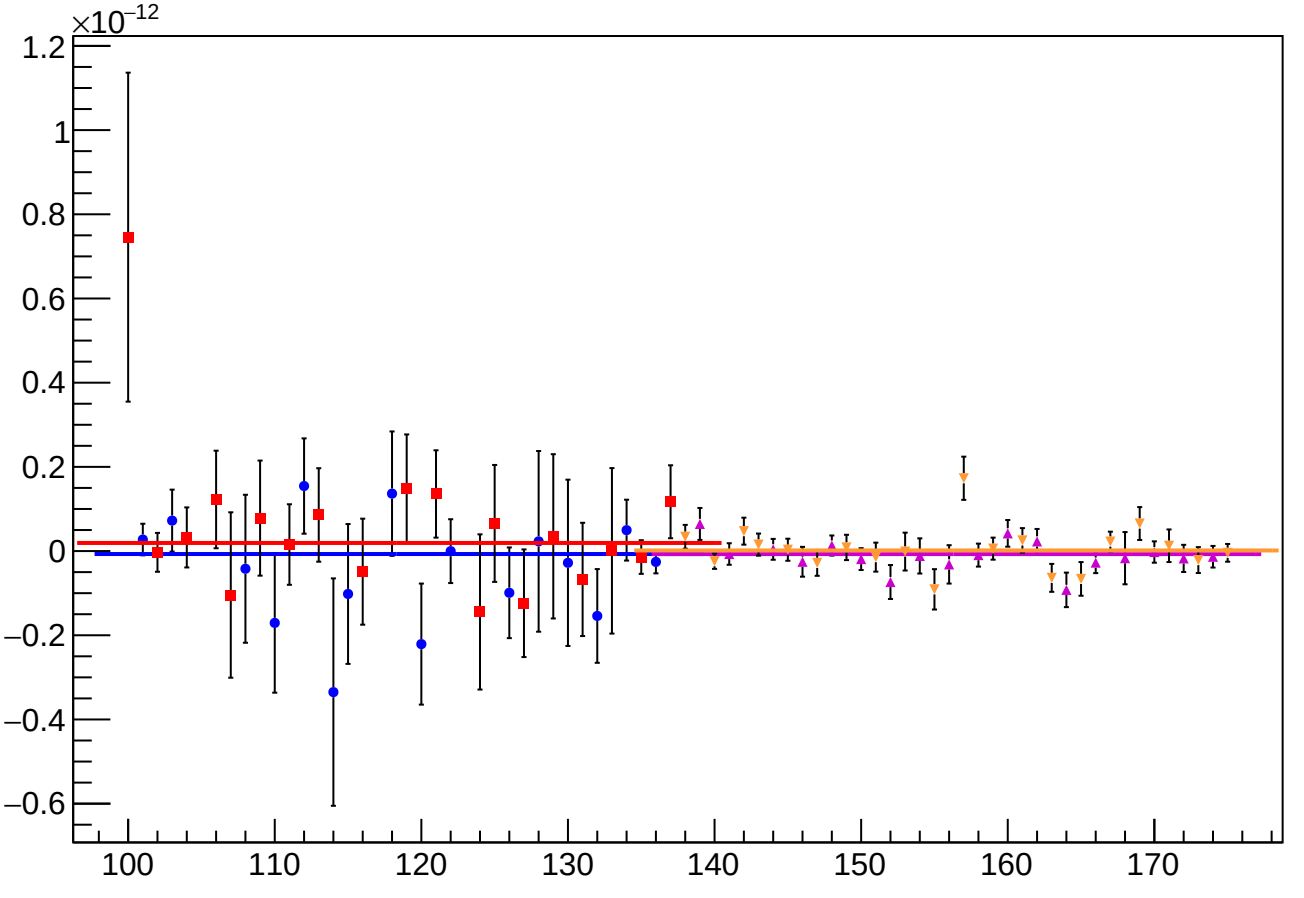
Left: 112.334+/-0.015 χ^2/NDF: 1130046.9/37

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 110.874+/-0.017 χ^2/NDF:601256.8/33

Out: 112.519+/-0.017 χ^2/NDF:1156534.1/38

All: 111.702+/-0.012 χ^2/NDF: 1762483.0/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/17

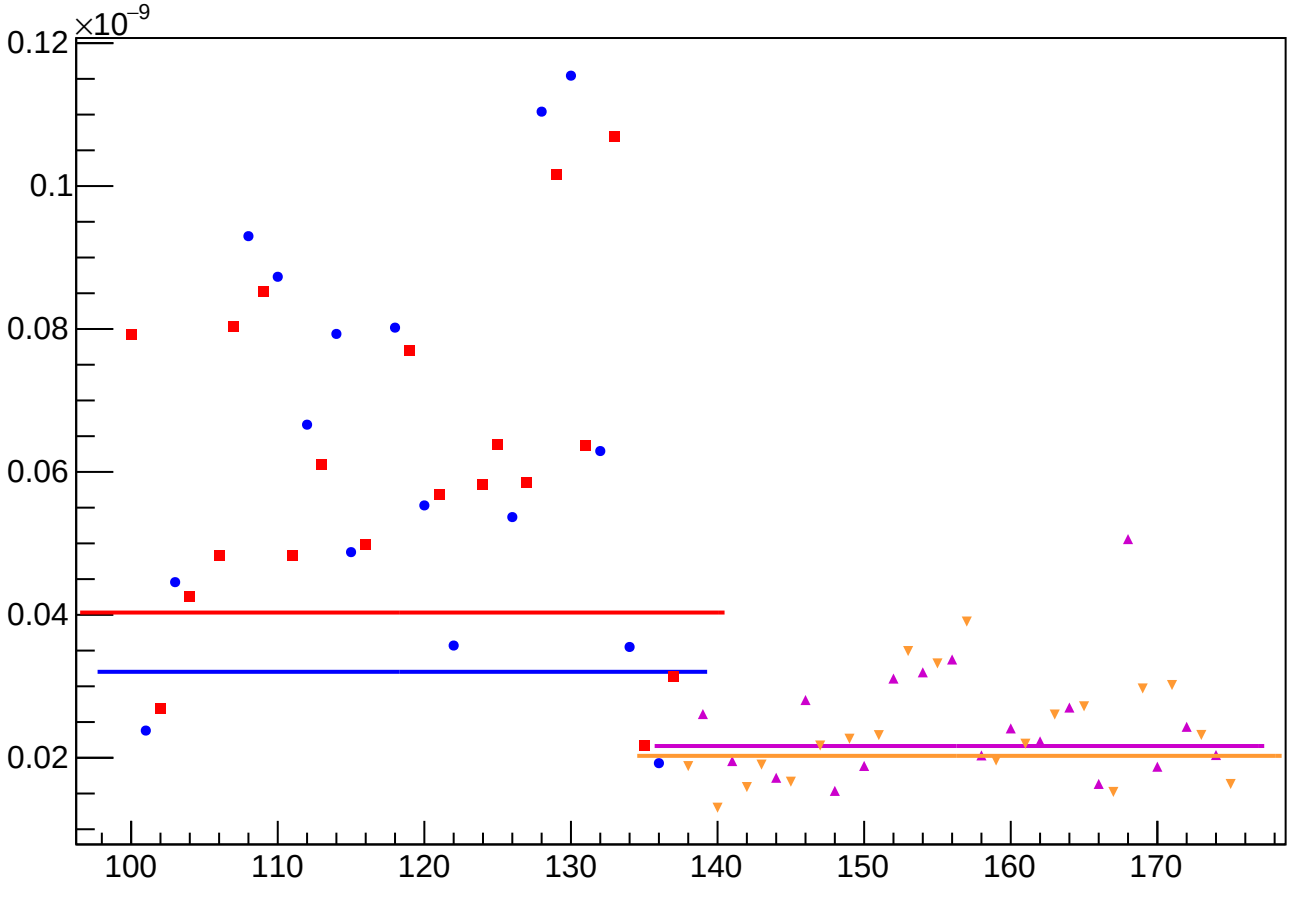
Left: -0.000+/-0.000 χ^2/NDF: 50.7/37

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.2/33

Out: 0.000+/-0.000 χ^2/NDF:46.6/38

All: -0.000+/-0.000 χ^2/NDF: 78.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1618798.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1328507.7/17

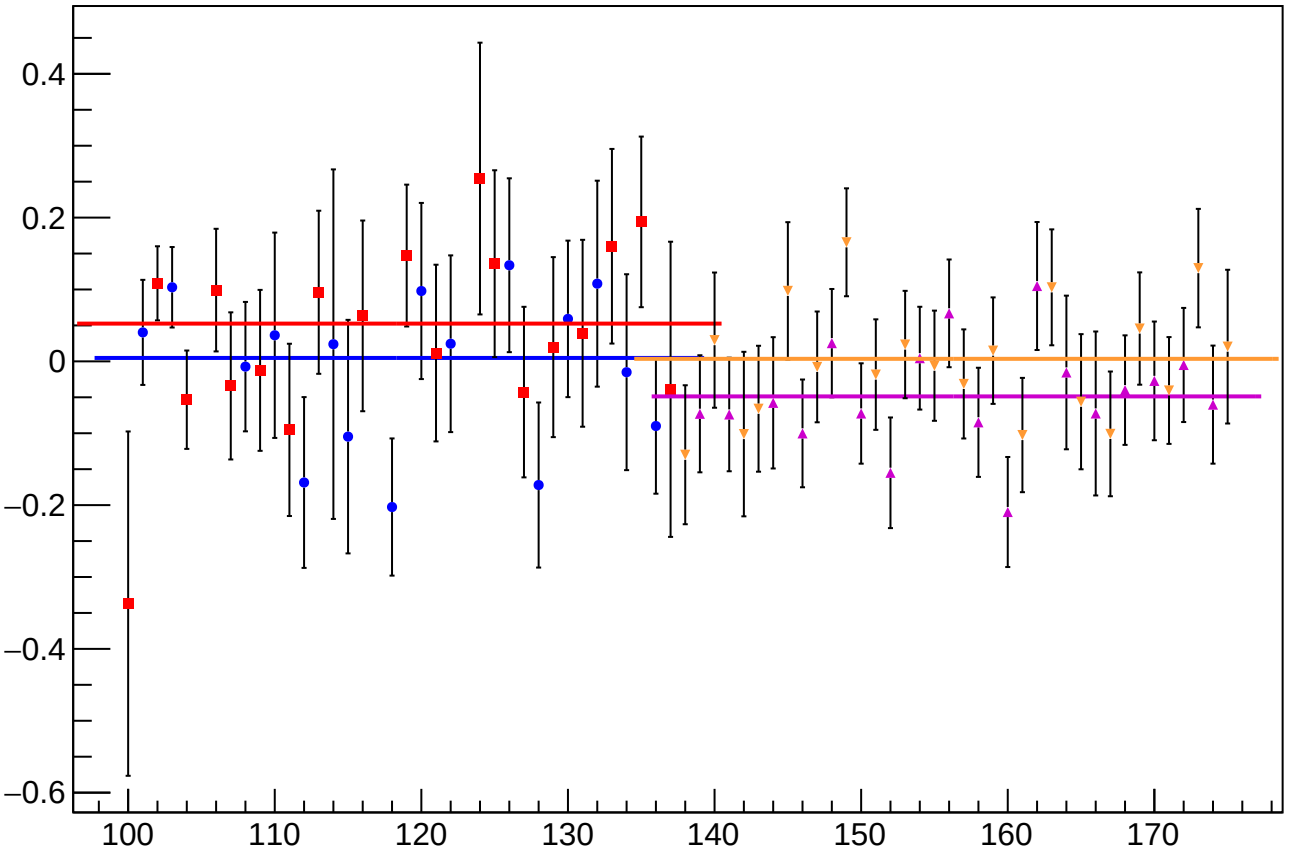
Left: 0.000+/-0.000 χ^2/NDF: 2987428.2/37

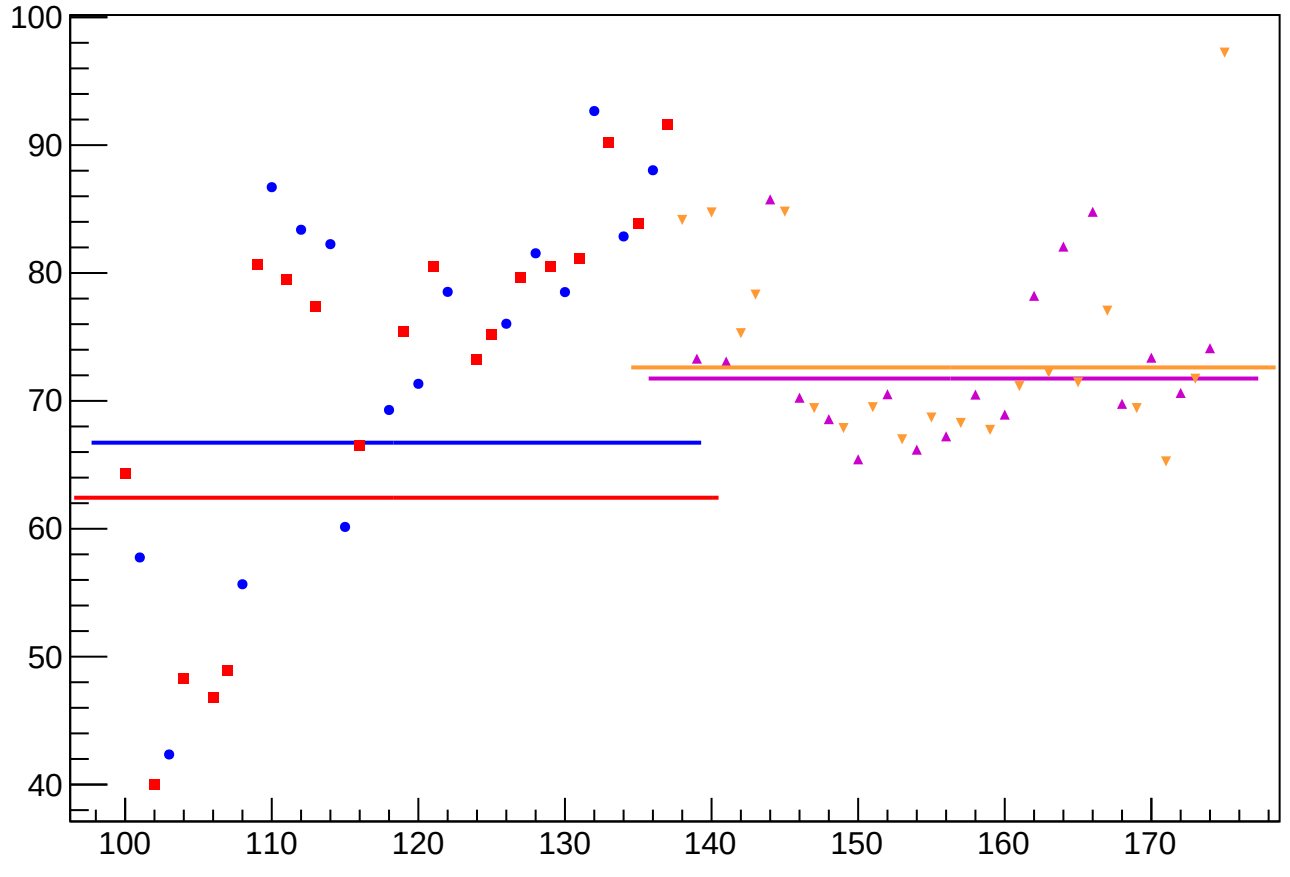
Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4367073.9/33

Out: 0.000+/-0.000 χ^2/NDF:5128541.3/38

All: 0.000+/-0.000 χ^2/NDF: 9520985.0/72


asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.004+/-0.019 χ²/NDF:17.7/19
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.049+/-0.019 χ²/NDF:14.8/17
Left: -0.022+/-0.013 χ²/NDF: 36.3/37
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.030+/-0.015 χ²/NDF:34.1/33
Out: 0.022+/-0.015 χ²/NDF:35.1/38
All: -0.003+/-0.011 χ²/NDF: 75.2/72



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

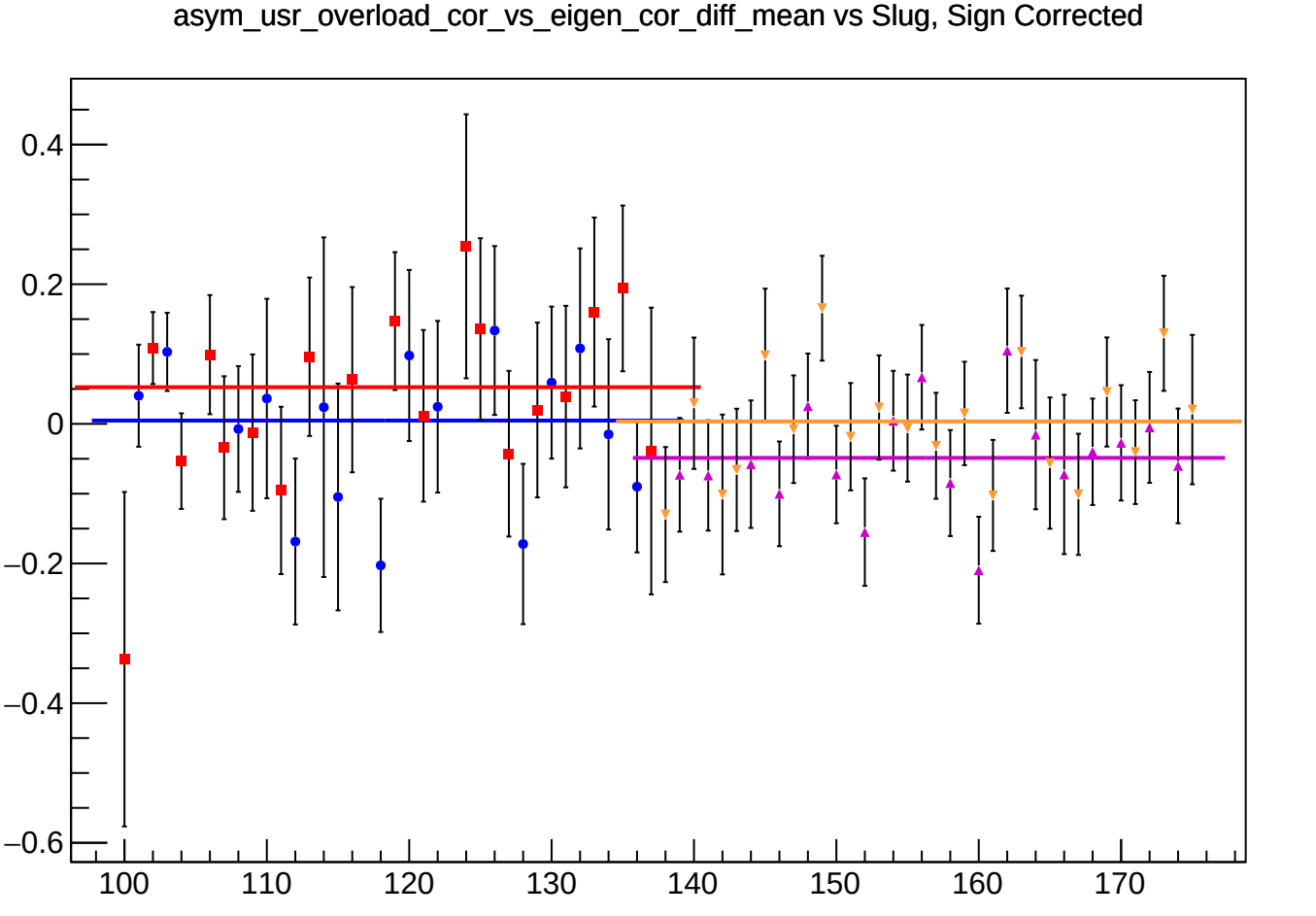
Left: 72.190+/-0.009 χ^2/NDF: 439372.1/37

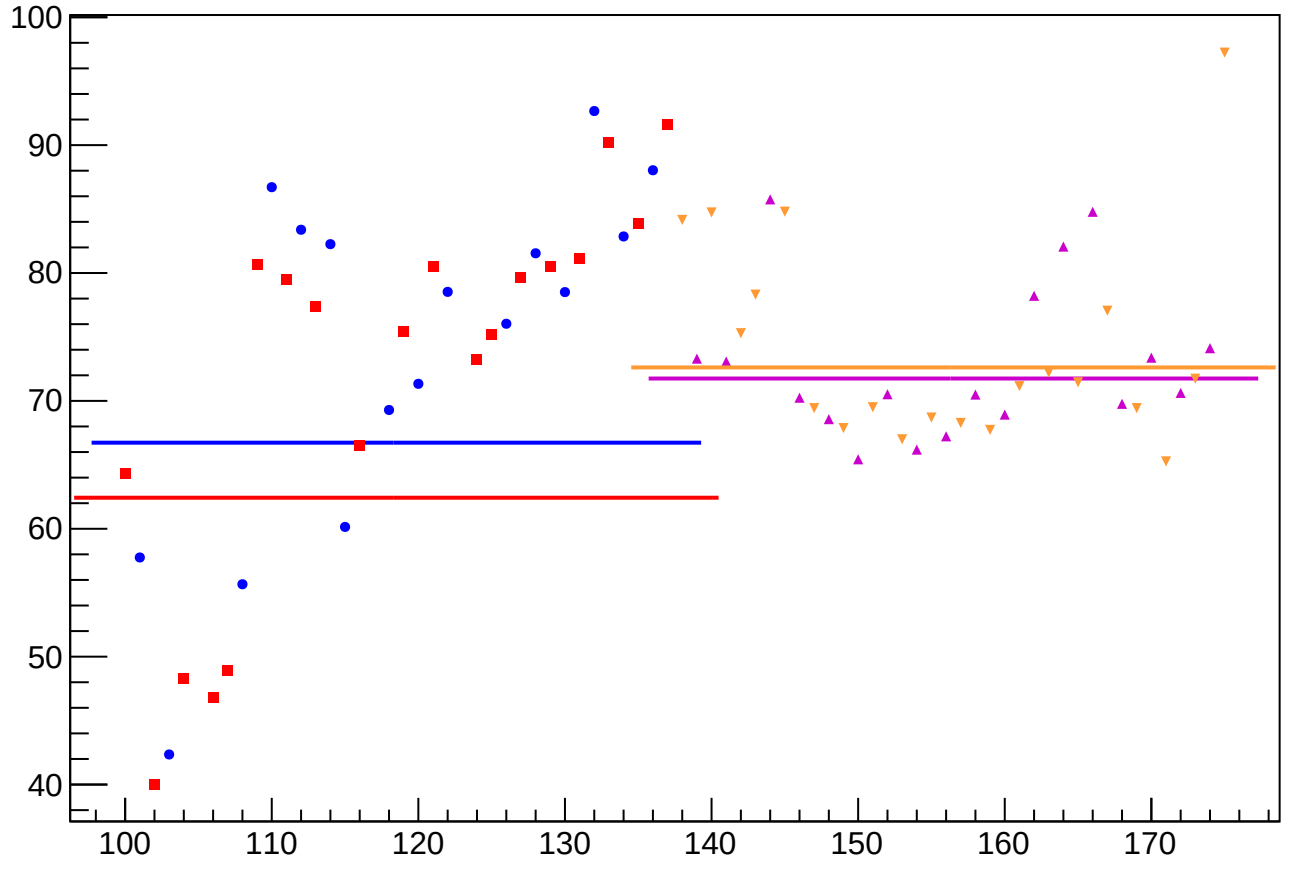
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.003+/-0.011 χ^2/NDF:1017420.5/33

Out: 68.814+/-0.010 χ^2/NDF:1623775.3/38

All: 69.386+/-0.007 χ^2/NDF: 2647480.5/72


asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.004+/-0.019 χ²/NDF:17.7/19
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.049+/-0.019 χ²/NDF:14.8/17
Left: -0.022+/-0.013 χ²/NDF: 36.3/37
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.030+/-0.015 χ²/NDF:34.1/33
Out: 0.022+/-0.015 χ²/NDF:35.1/38
All: -0.003+/-0.011 χ²/NDF: 75.2/72



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

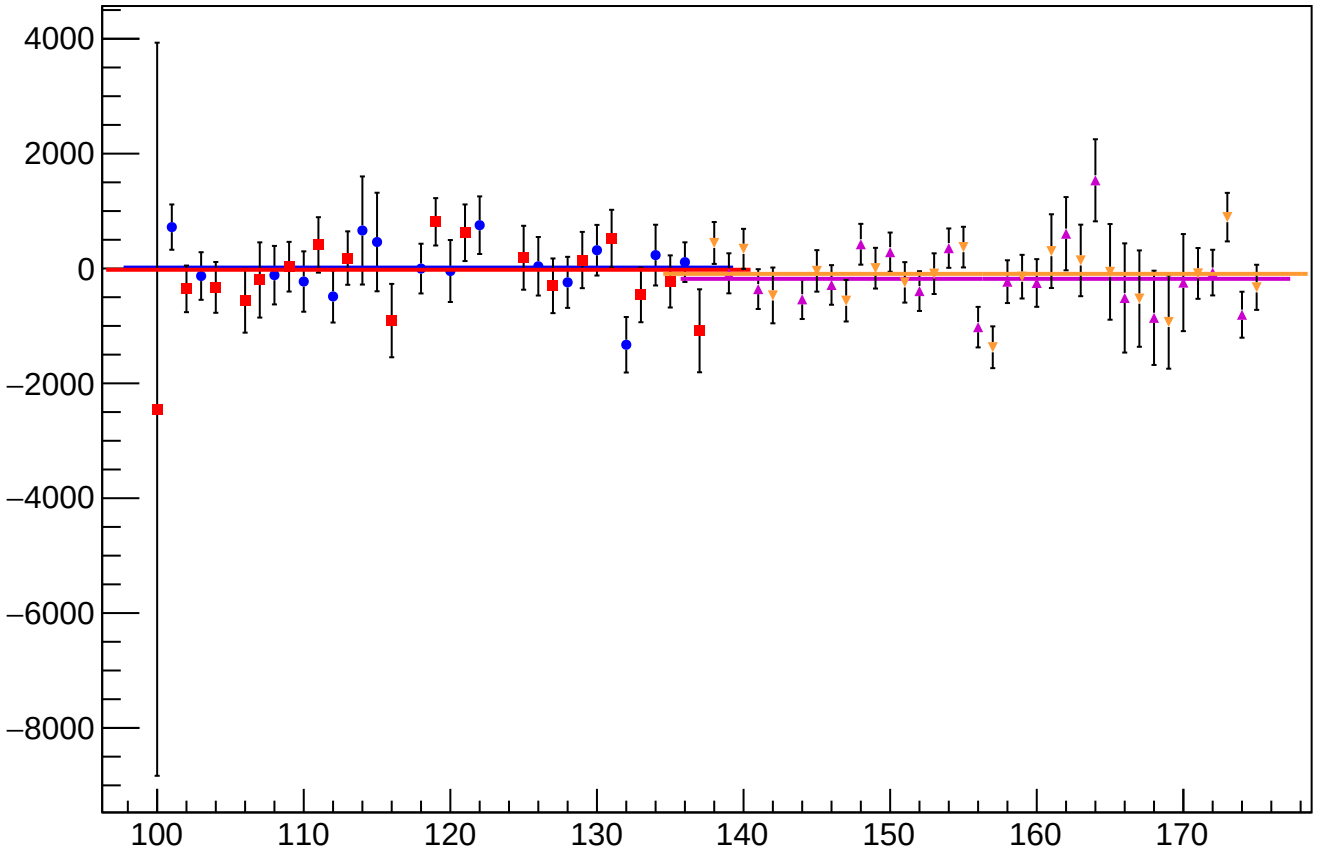
Left: 72.190+/-0.009 χ^2/NDF: 439372.1/37

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.003+/-0.011 χ^2/NDF:1017420.5/33

Out: 68.814+/-0.010 χ^2/NDF:1623775.3/38

All: 69.386+/-0.007 χ^2/NDF: 2647480.5/72



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -93.458+/-96.081 χ^2/NDF:28.0/18

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -180.122+/-95.856 χ^2/NDF:25.4/17

Left: -136.892+/-67.860 χ^2/NDF: 53.8/36

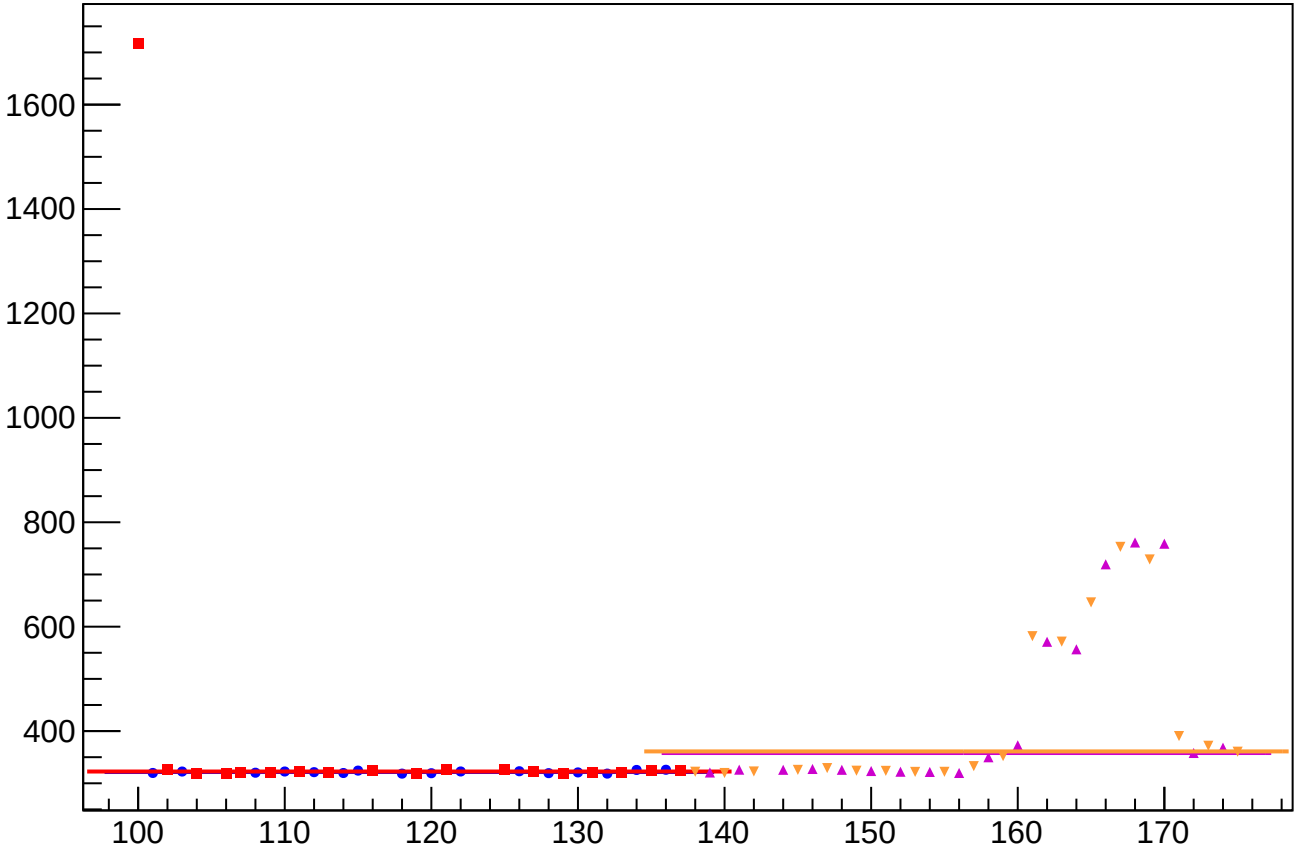
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -103.473+/-74.756 χ^2/NDF:43.6/33

Out: -65.376+/-74.808 χ^2/NDF:44.2/36

All: -84.438+/-52.879 χ^2/NDF: 87.9/70

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.075+/-0.068 χ^2/NDF:1758912.9/18

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 357.990+/-0.068 χ^2/NDF:1781846.4/17

Left: 359.529+/-0.048 χ^2/NDF: 3541793.2/36

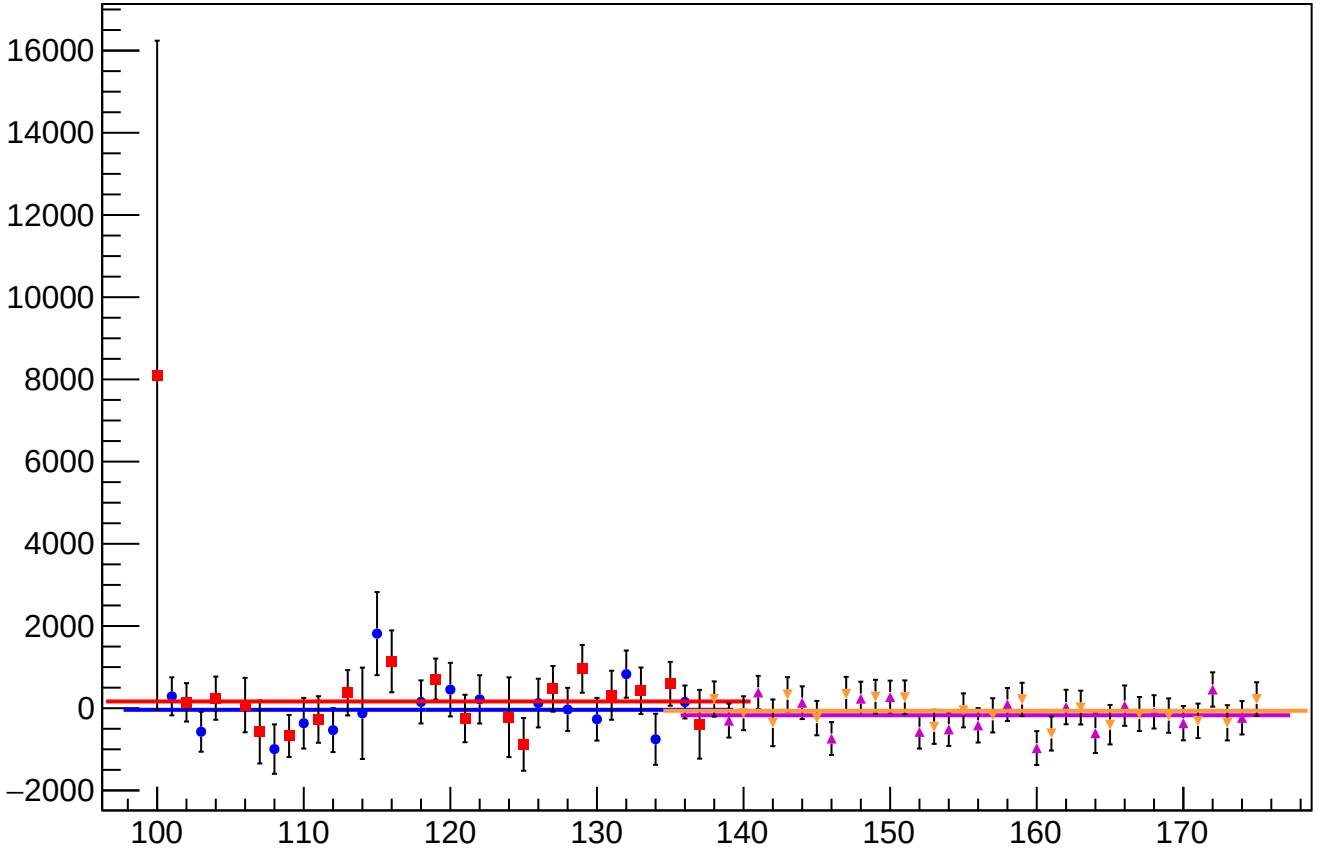
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 343.734+/-0.053 χ^2/NDF:1895573.1/33

Out: 345.906+/-0.053 χ^2/NDF:1982408.8/36

All: 344.819+/-0.037 χ^2/NDF: 3878825.1/70

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -61.502+/-94.646 χ^2/NDF:9.2/19

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -170.857+/-97.815 χ^2/NDF:16.8/17

Left: -114.380+/-68.018 χ^2/NDF: 26.7/37

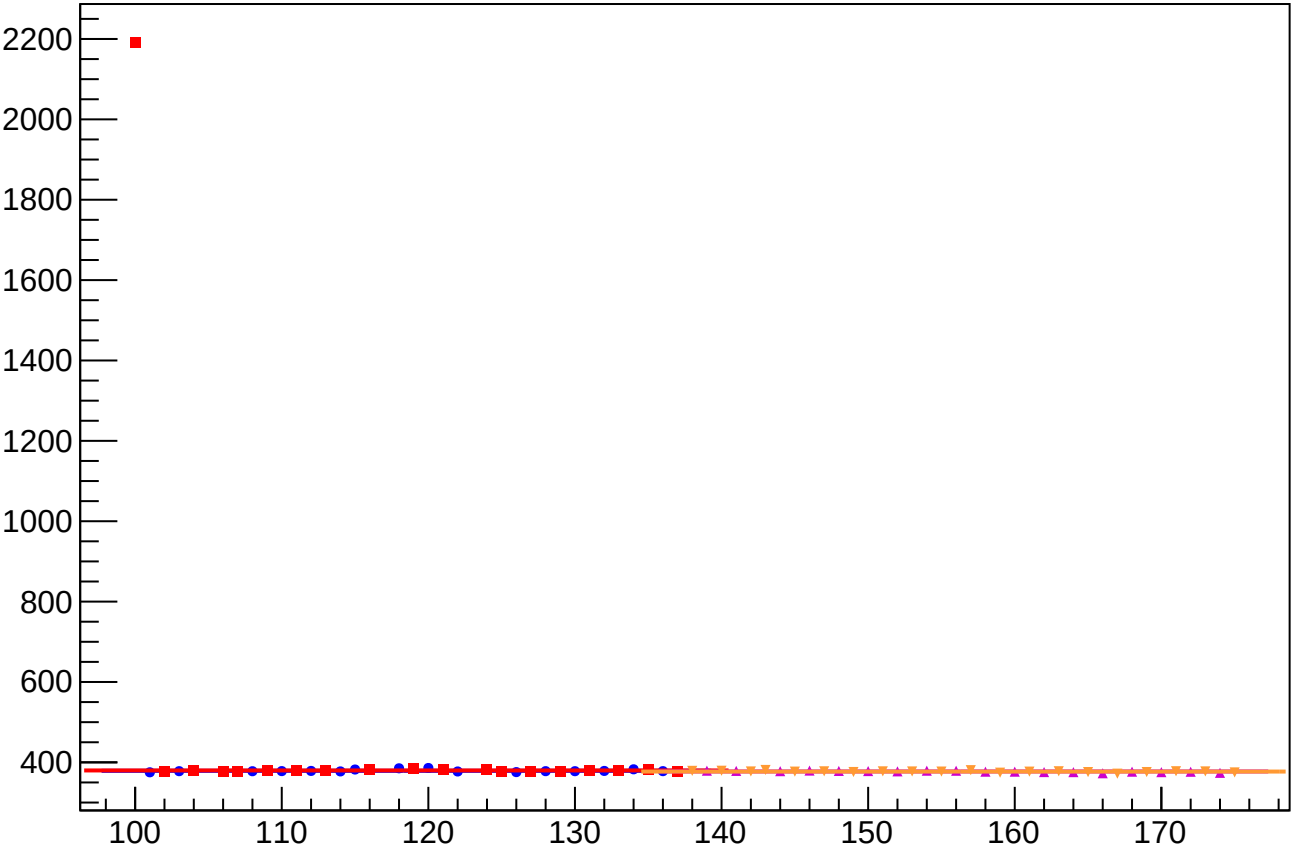
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -127.875+/-80.317 χ^2/NDF:31.1/33

Out: 10.159+/-78.226 χ^2/NDF:26.1/38

All: -57.037+/-56.039 χ^2/NDF: 58.8/72

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.109+/-0.067 χ^2/NDF:940.9/19

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.327+/-0.069 χ^2/NDF:663.6/17

Left: 377.214+/-0.048 χ^2/NDF: 1609.7/37

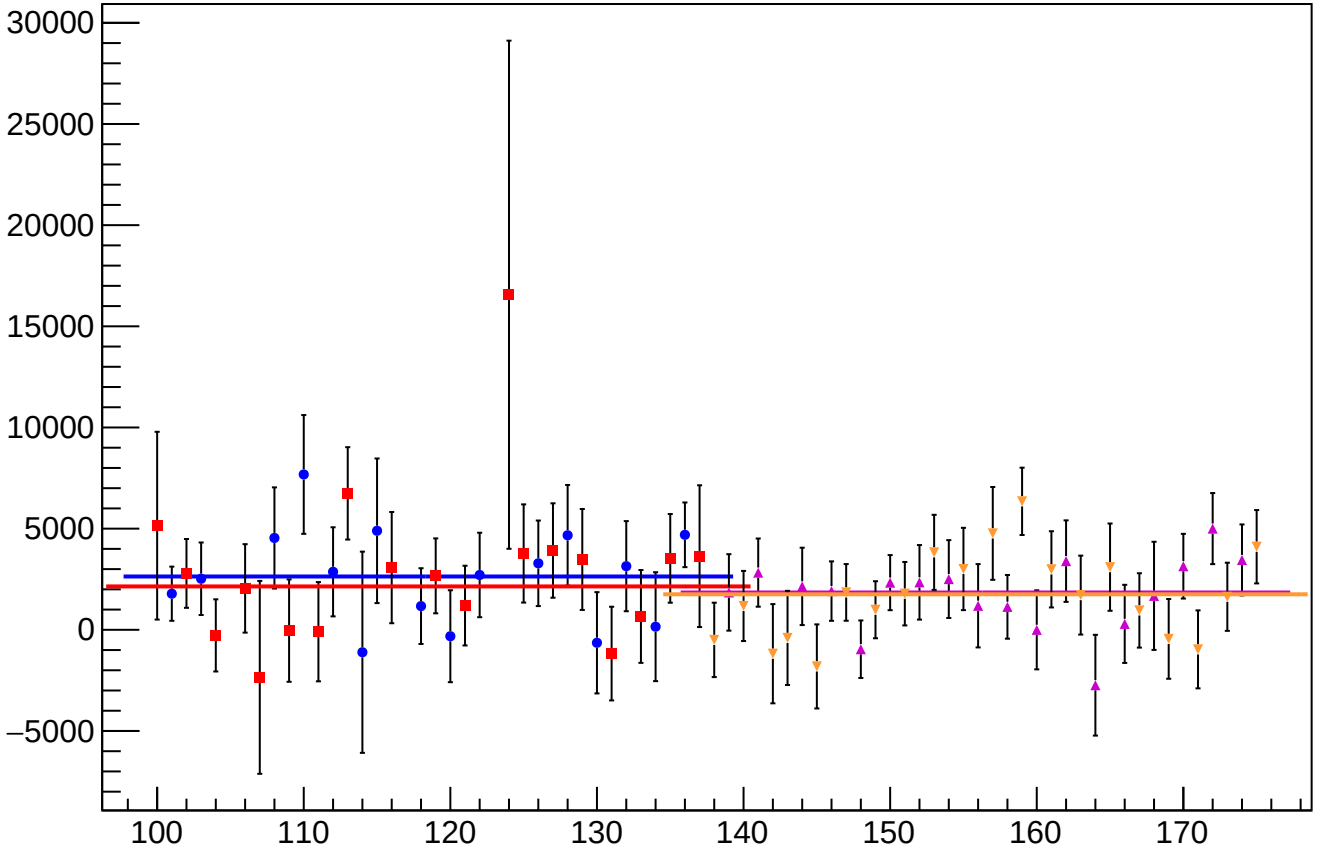
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.843+/-0.057 χ^2/NDF:1685.4/33

Out: 377.986+/-0.055 χ^2/NDF:101104.9/38

All: 377.916+/-0.040 χ^2/NDF: 102793.5/72

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1755.717+/-409.809 χ^2/NDF:24.1/19

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

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

Left: 1799.100+/-292.592 χ^2/NDF: 39.2/37

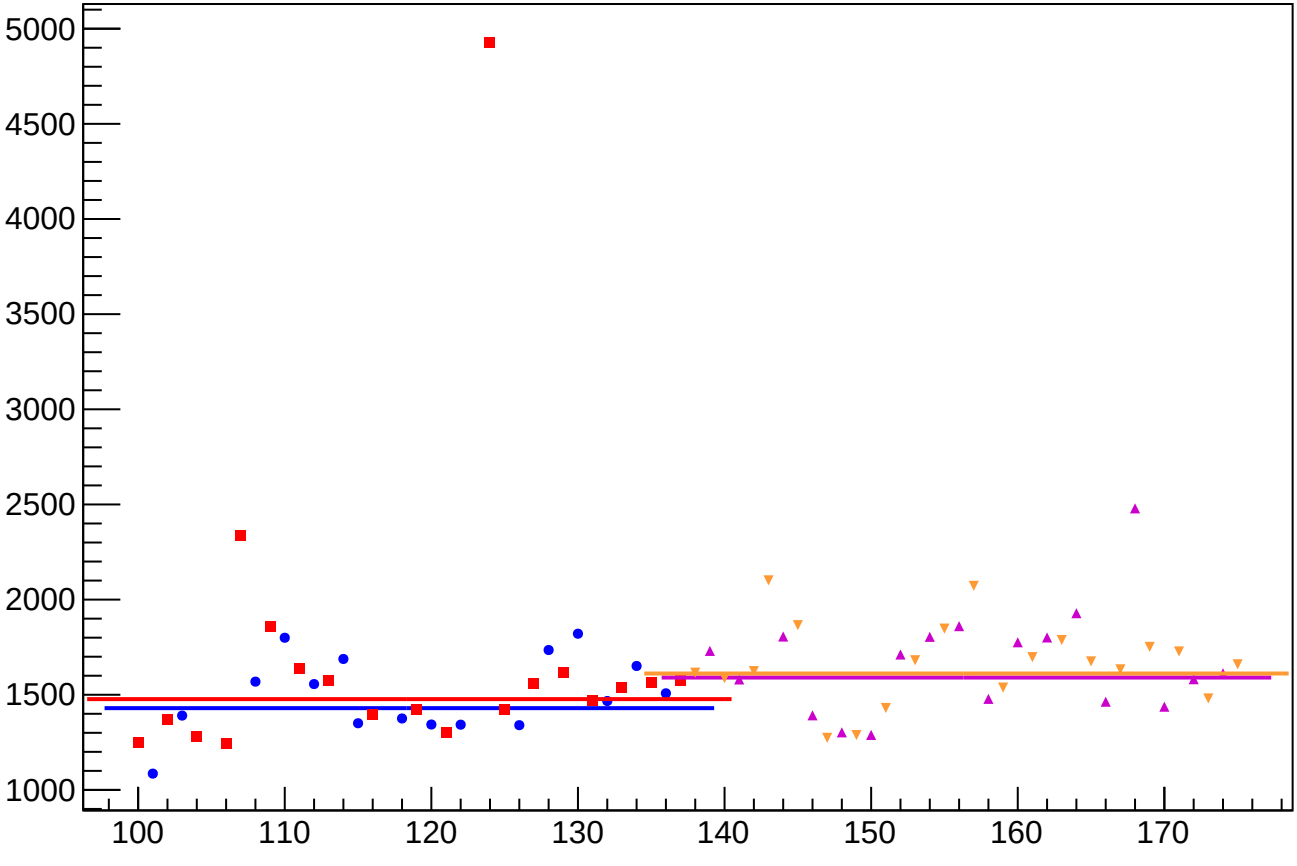
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2141.906+/-330.033 χ^2/NDF:28.8/33

Out: 1895.523+/-327.966 χ^2/NDF:39.4/38

All: 2017.941+/-232.634 χ^2/NDF: 68.5/72

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1611.725+/-0.290 χ^2/NDF:534835.8/19

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

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

Left: 1601.282+/-0.207 χ^2/NDF: 1194100.1/37

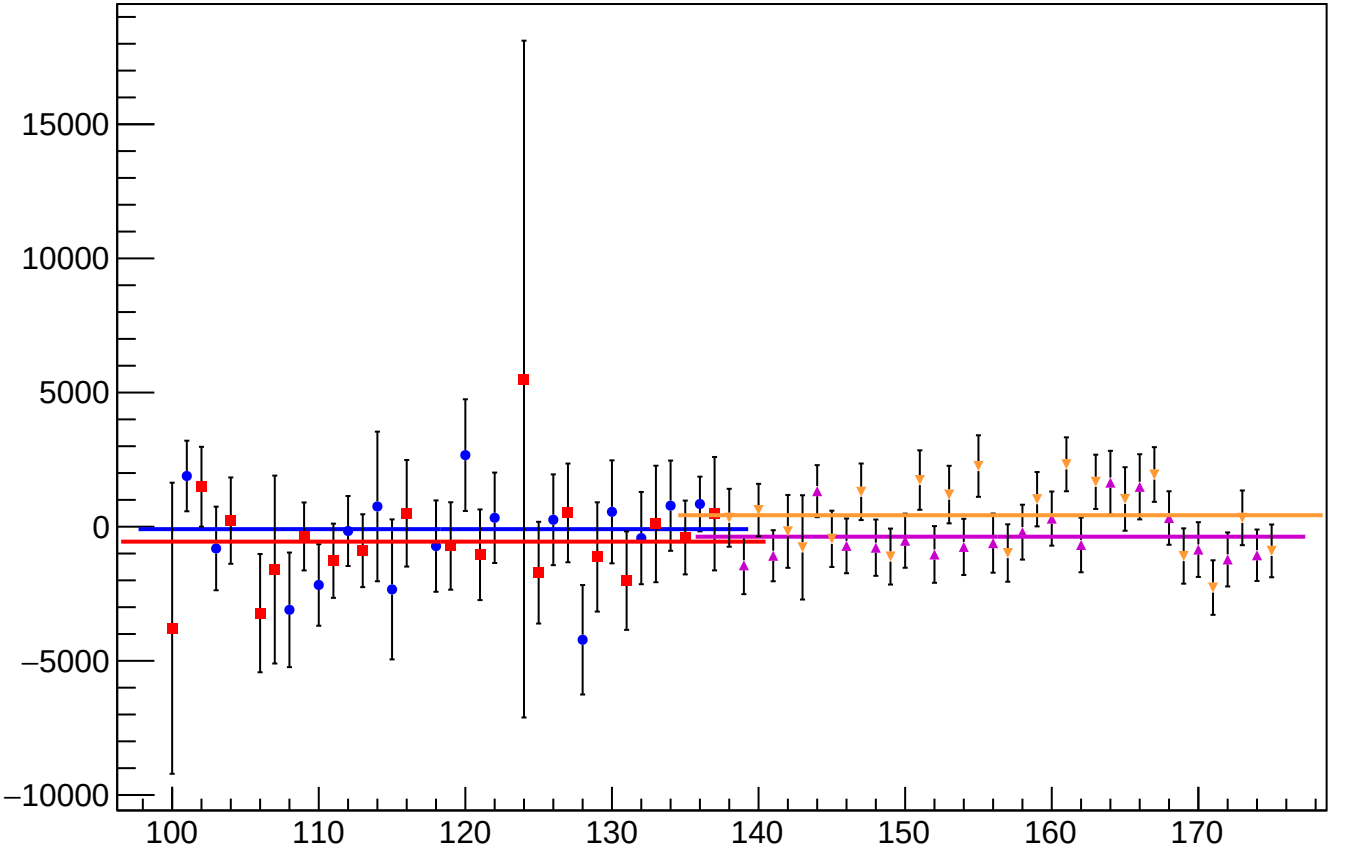
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1529.931+/-0.233 χ^2/NDF:1061386.5/33

Out: 1563.332+/-0.232 χ^2/NDF:981836.0/38

All: 1546.736+/-0.164 χ^2/NDF: 2053528.9/72

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 427.960+/-240.551 χ^2/NDF:29.4/19

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

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

Left: 32.655+/-171.159 χ^2/NDF: 48.0/37

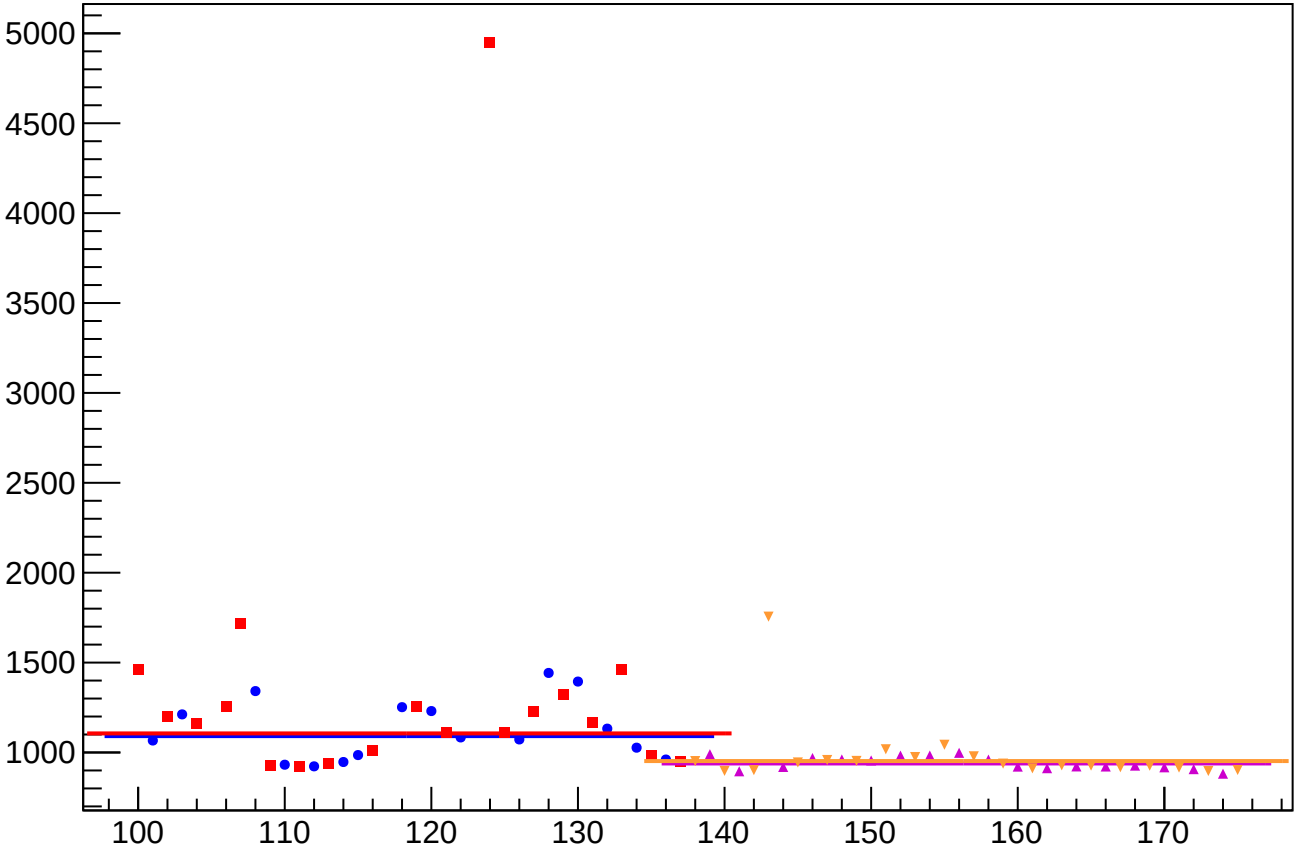
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -299.272+/-209.411 χ^2/NDF:28.1/33

Out: 177.001+/-207.651 χ^2/NDF:40.4/38

All: -59.126+/-147.450 χ^2/NDF: 71.1/72

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.245+/-0.170 χ^2/NDF:395189.2/19

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

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

Left: 945.659+/-0.121 χ^2/NDF: 437482.0/37

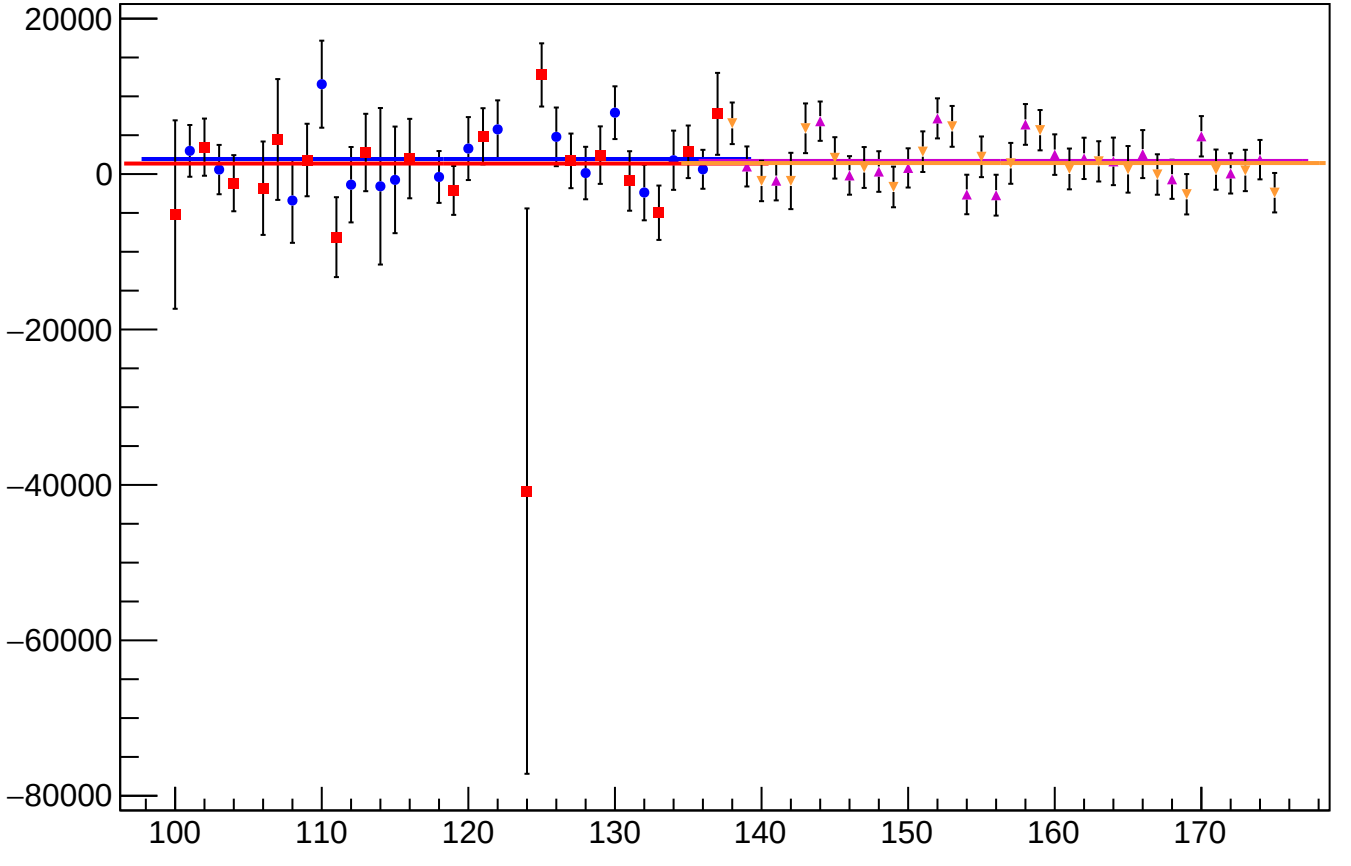
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 978.603+/-0.148 χ^2/NDF:520122.6/33

Out: 991.438+/-0.147 χ^2/NDF:1117635.6/38

All: 985.075+/-0.104 χ^2/NDF: 1641546.5/72

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.335+/-600.737 χ^2/NDF:20.0/19

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1687.276+/-616.225 χ^2/NDF:22.5/17

Left: 1548.870+/-430.157 χ^2/NDF: 42.5/37

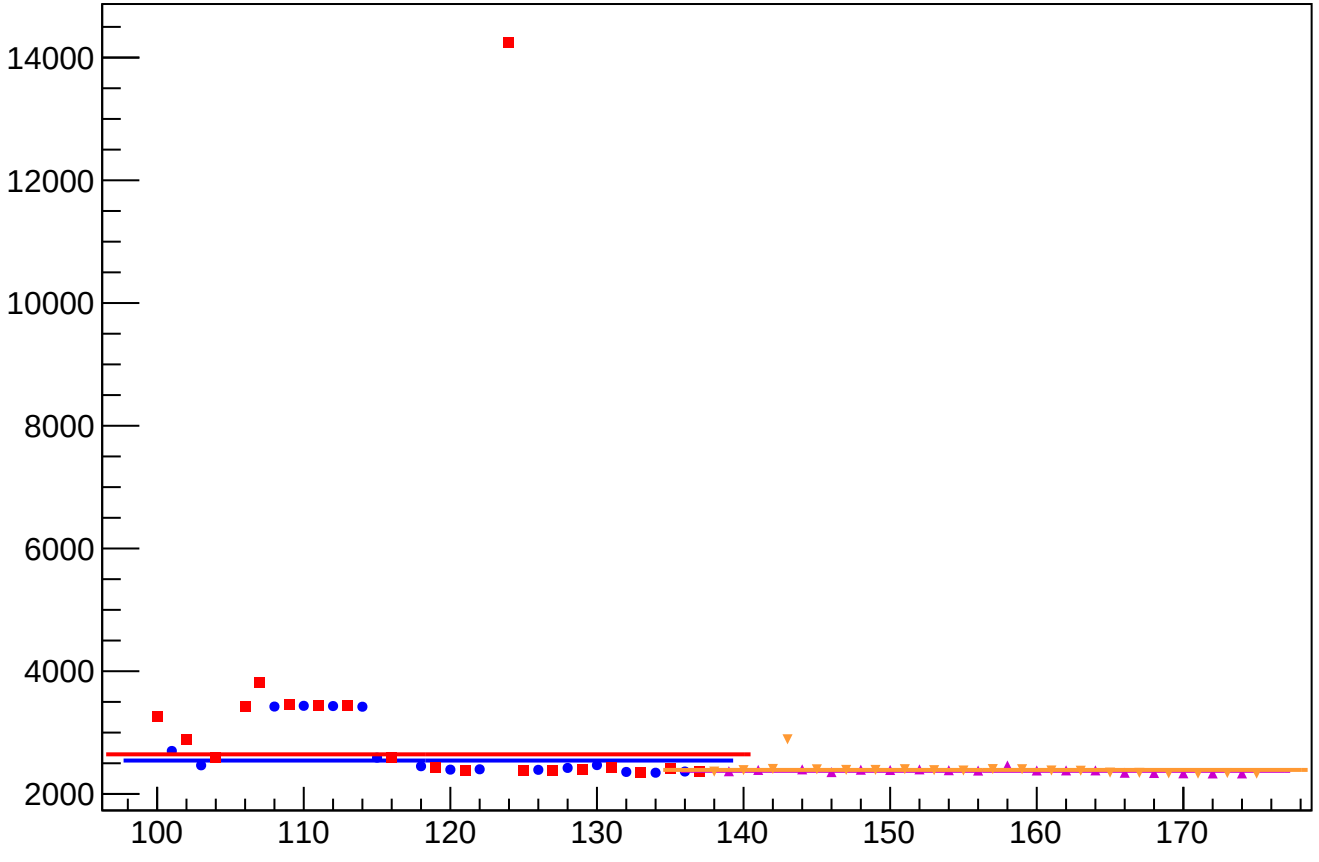
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1761.738+/-517.394 χ^2/NDF:34.8/33

Out: 1400.012+/-512.895 χ^2/NDF:41.8/38

All: 1579.295+/-364.252 χ^2/NDF: 76.8/72

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

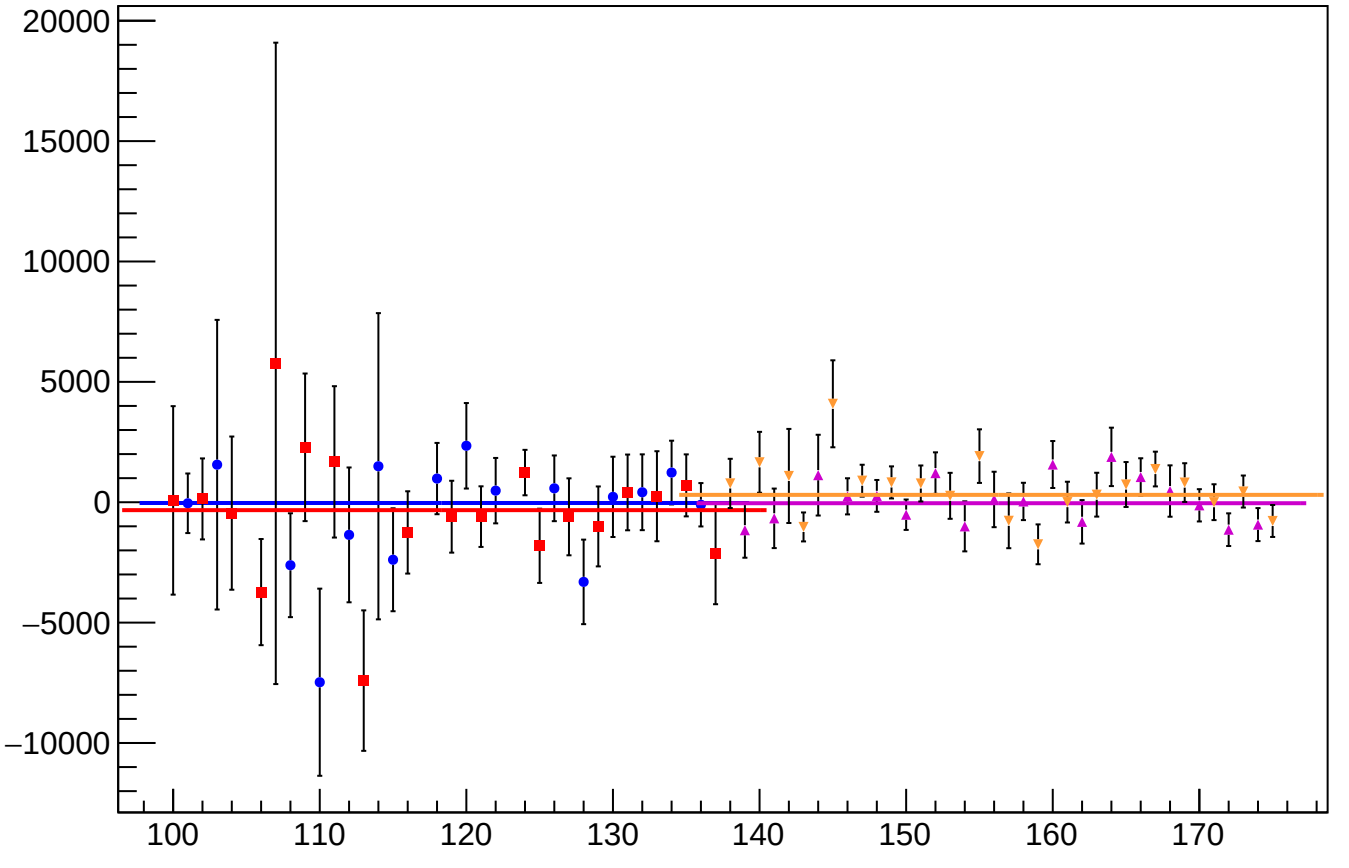
Left: 2384.557+/-0.304 χ^2/NDF: 59943.9/37

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2426.452+/-0.366 χ^2/NDF:274276.6/33

Out: 2460.509+/-0.363 χ^2/NDF:688090.7/38

All: 2443.629+/-0.258 χ^2/NDF: 966738.1/72



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 306.395+/-185.906 χ^2/NDF:27.6/19

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -40.604+/-199.832 χ^2/NDF:18.1/17

Left: 145.407+/-136.113 χ^2/NDF: 47.3/37

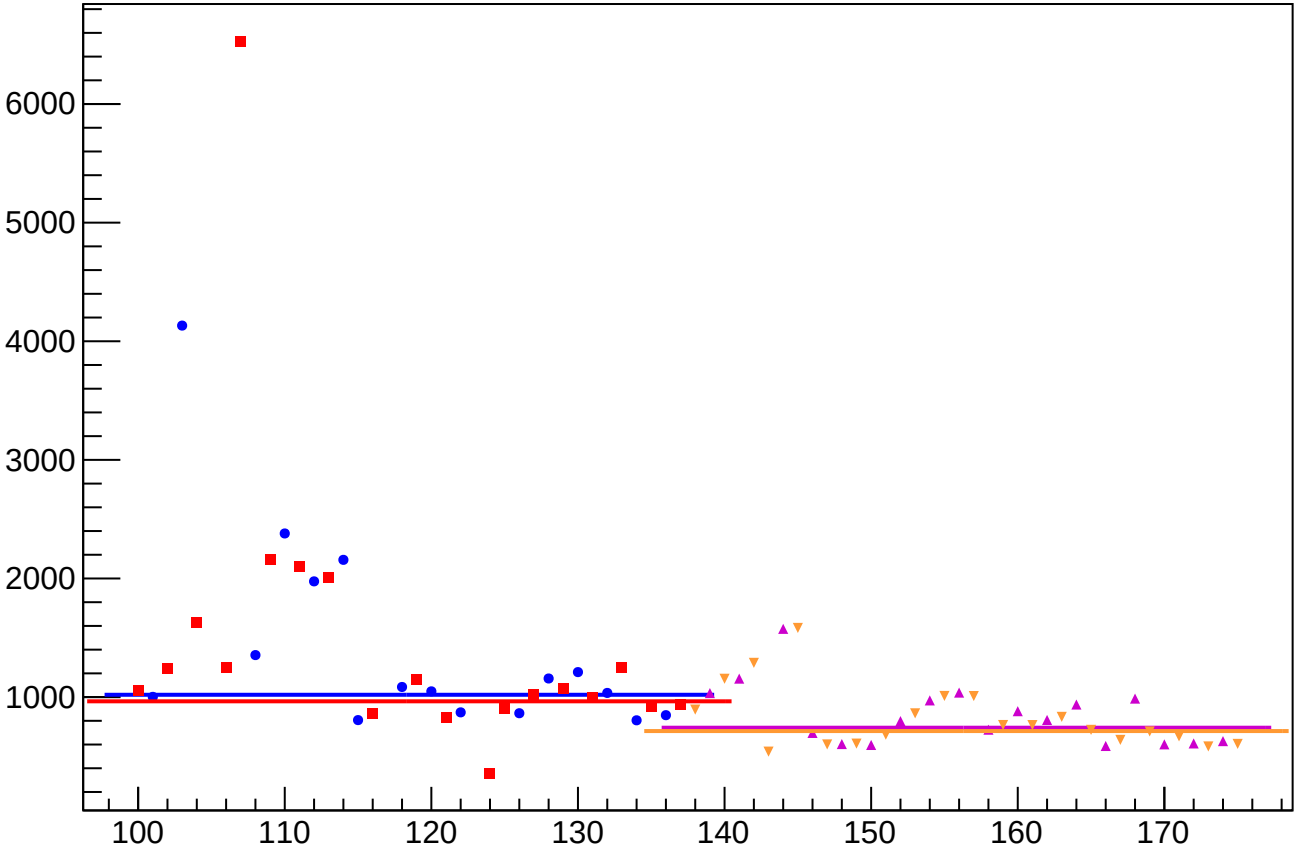
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -38.766+/-179.268 χ^2/NDF:31.9/33

Out: 192.952+/-168.480 χ^2/NDF:45.3/38

All: 84.274+/-122.770 χ^2/NDF: 78.0/72

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.605+/-0.131 χ^2/NDF:1752684.4/19

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 741.795+/-0.141 χ^2/NDF:1793510.3/17

Left: 726.684+/-0.096 χ^2/NDF: 3567530.4/37

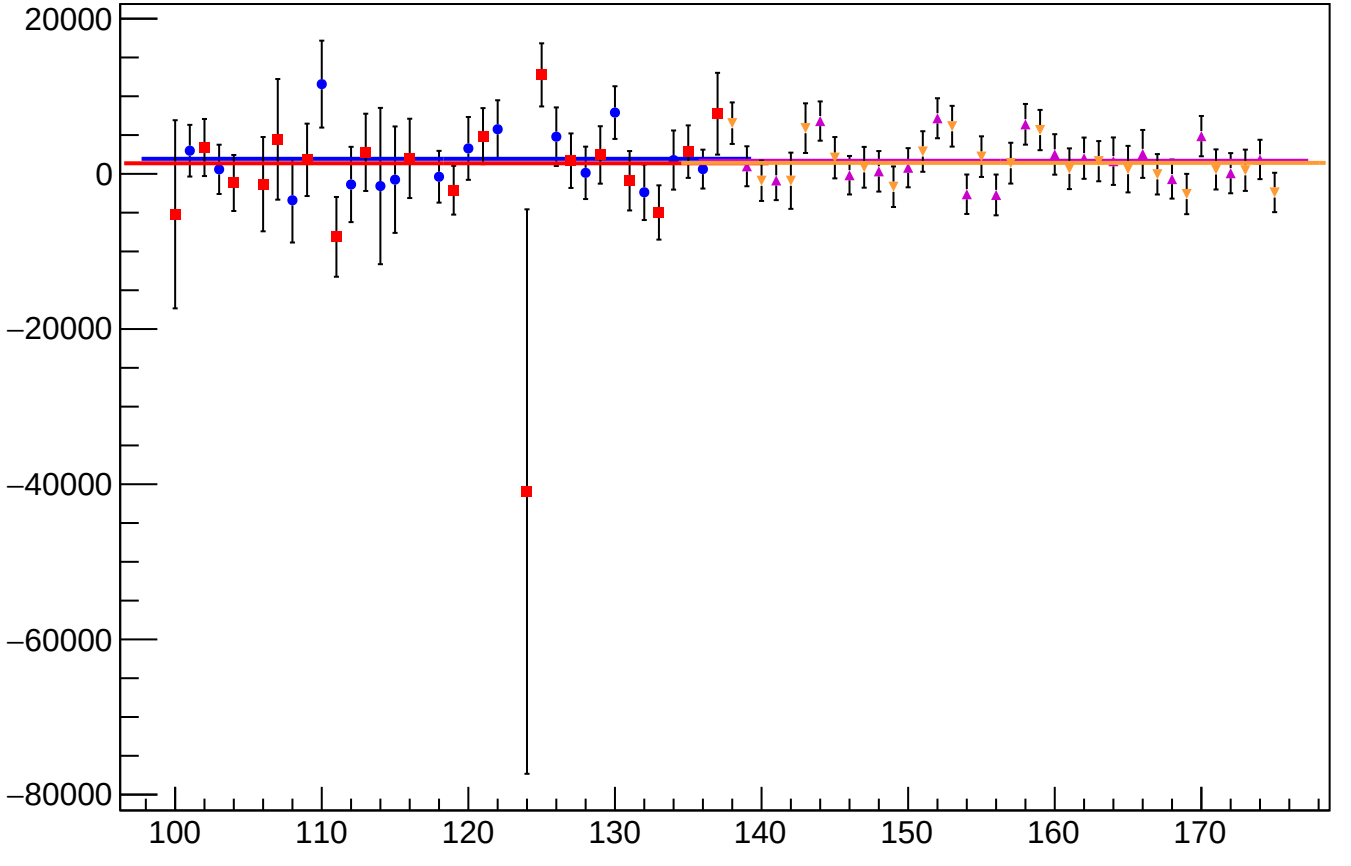
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 796.015+/-0.127 χ^2/NDF:3912436.2/33

Out: 758.415+/-0.119 χ^2/NDF:4712320.9/38

All: 776.050+/-0.087 χ^2/NDF: 8671475.4/72

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1687.354+/-616.225 χ^2/NDF:22.5/17

Left: 1548.886+/-430.157 χ^2/NDF: 42.5/37

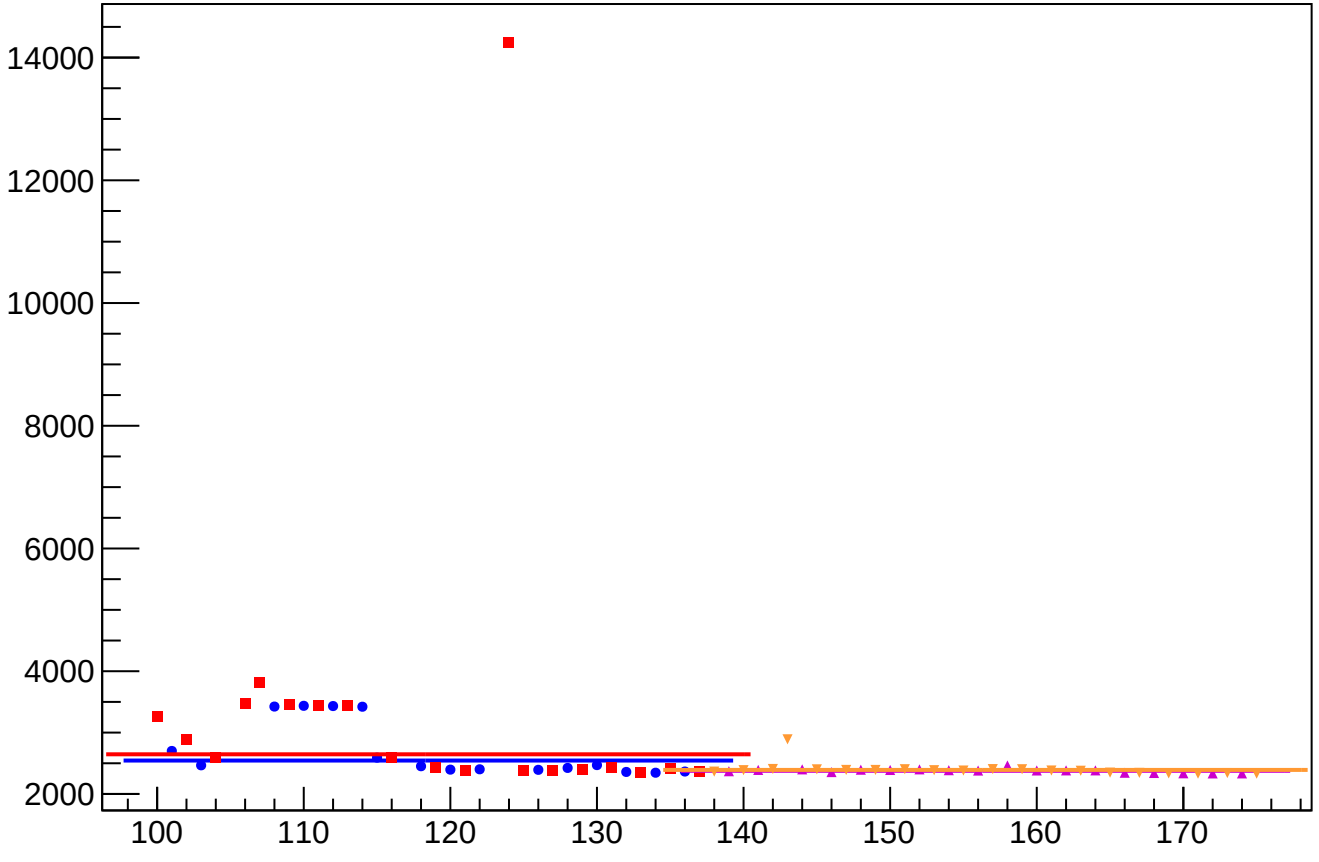
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1761.896+/-517.394 χ^2/NDF:34.8/33

Out: 1402.605+/-512.937 χ^2/NDF:41.7/38

All: 1580.696+/-364.267 χ^2/NDF: 76.7/72

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

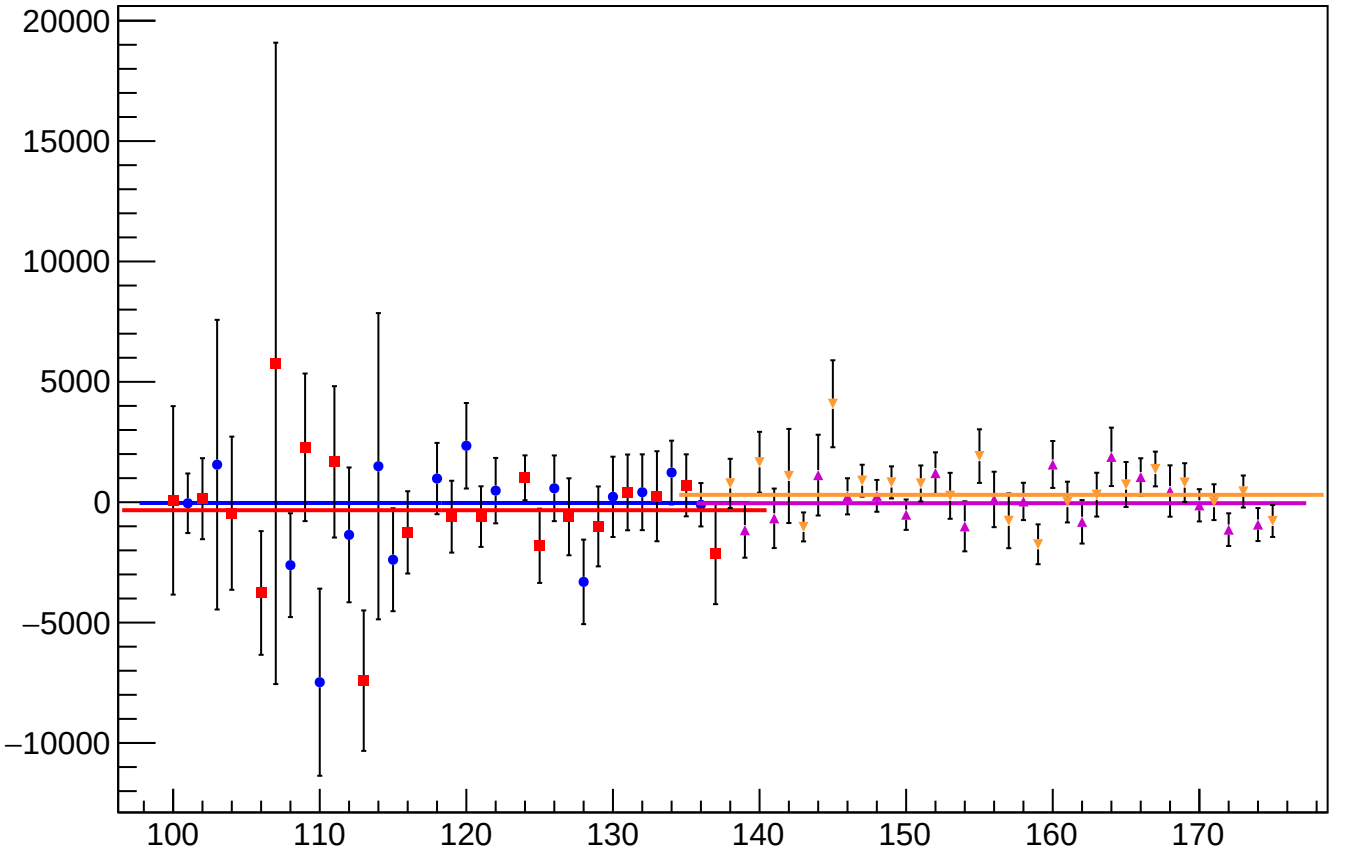
Left: 2384.557+/-0.304 χ^2/NDF: 59943.9/37

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2426.452+/-0.366 χ^2/NDF:274276.6/33

Out: 2460.629+/-0.363 χ^2/NDF:691054.0/38

All: 2443.688+/-0.258 χ^2/NDF: 969731.9/72



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -40.505+/-199.833 χ^2/NDF:18.1/17

Left: 145.444+/-136.113 χ^2/NDF: 47.3/37

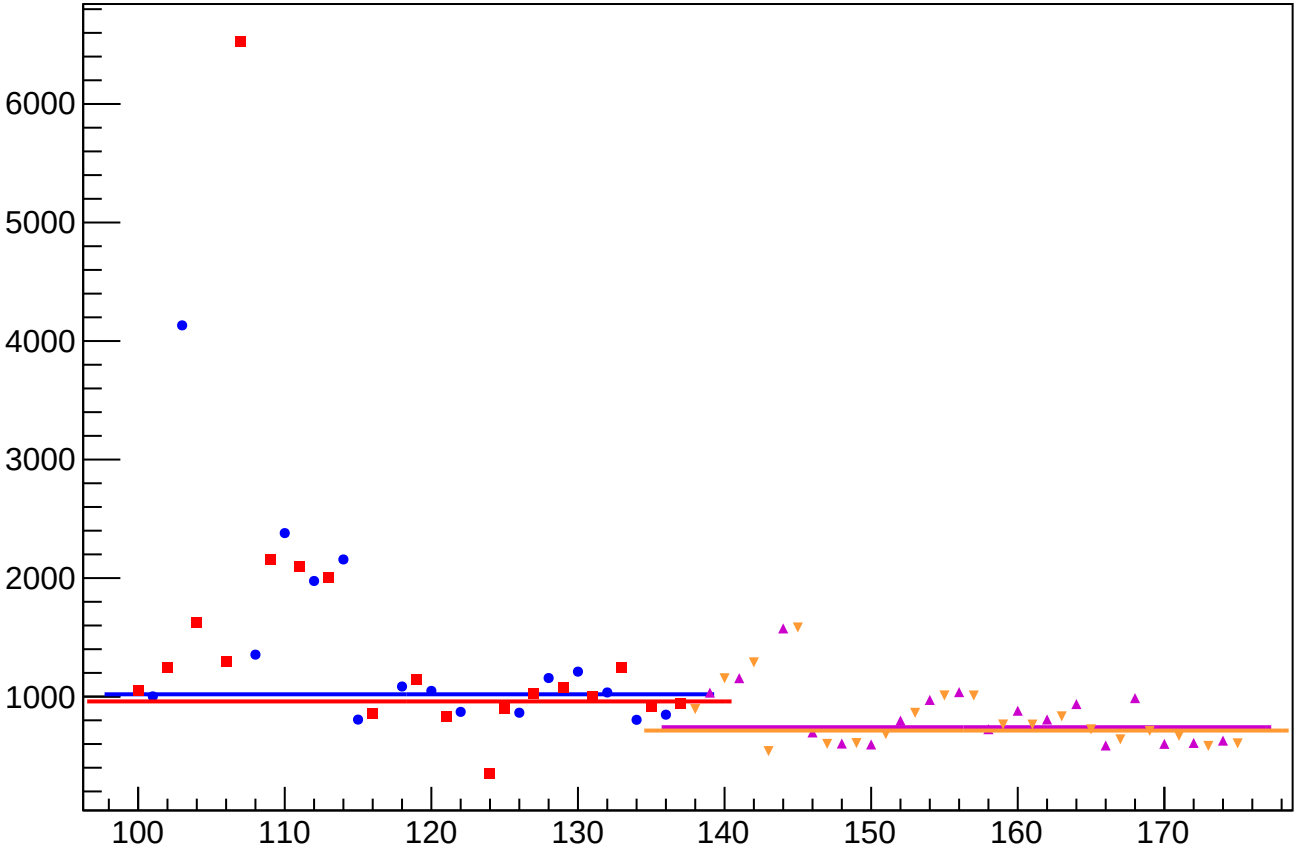
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -38.699+/-179.268 χ^2/NDF:31.9/33

Out: 192.675+/-168.538 χ^2/NDF:44.1/38

All: 84.119+/-122.793 χ^2/NDF: 76.8/72

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

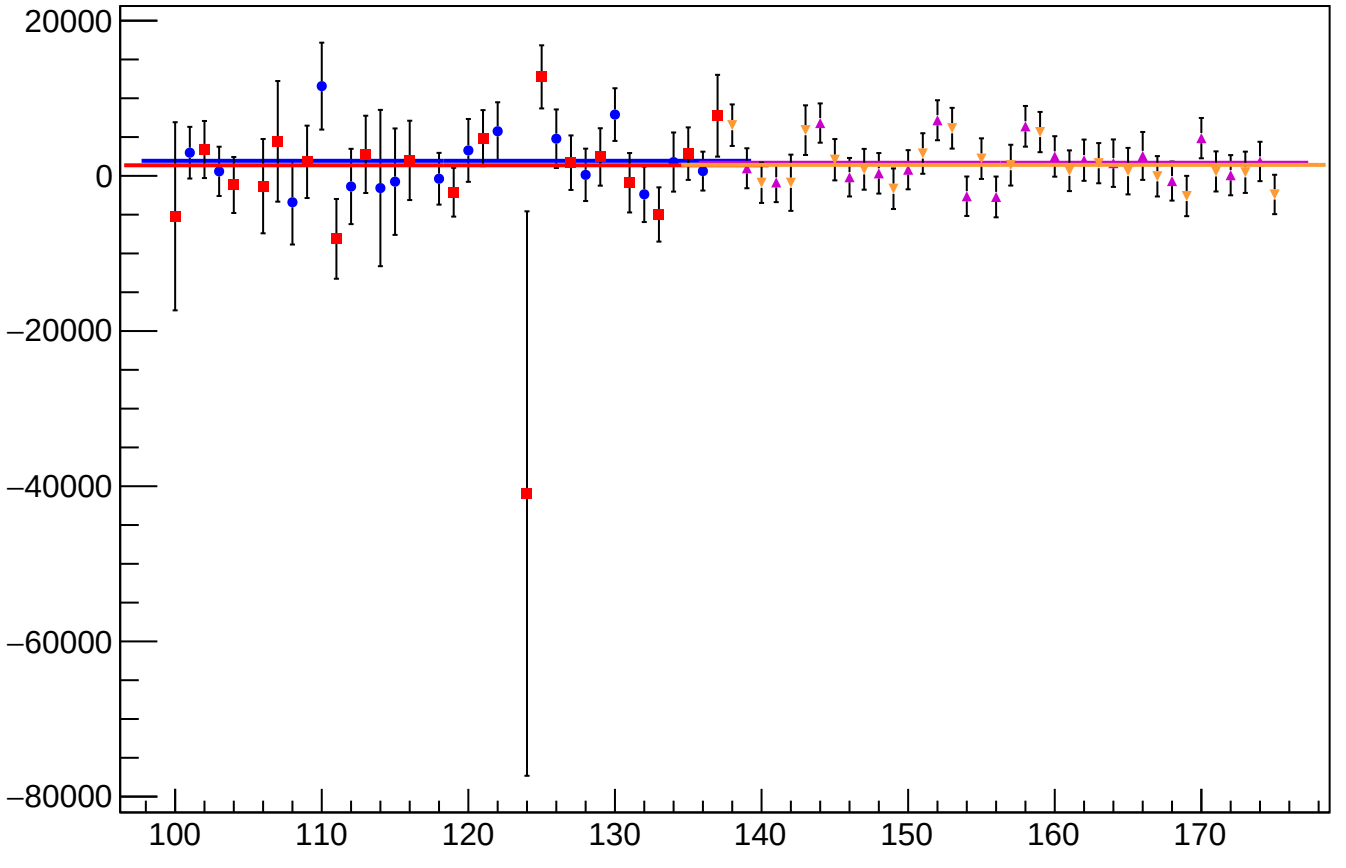
Left: 726.684+/-0.096 χ^2/NDF: 3567773.6/37

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 796.014+/-0.127 χ^2/NDF:3912552.3/33

Out: 757.378+/-0.119 χ^2/NDF:4719664.0/38

All: 775.505+/-0.087 χ^2/NDF: 8681528.0/72



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1687.354+/-616.225 χ^2/NDF:22.5/17

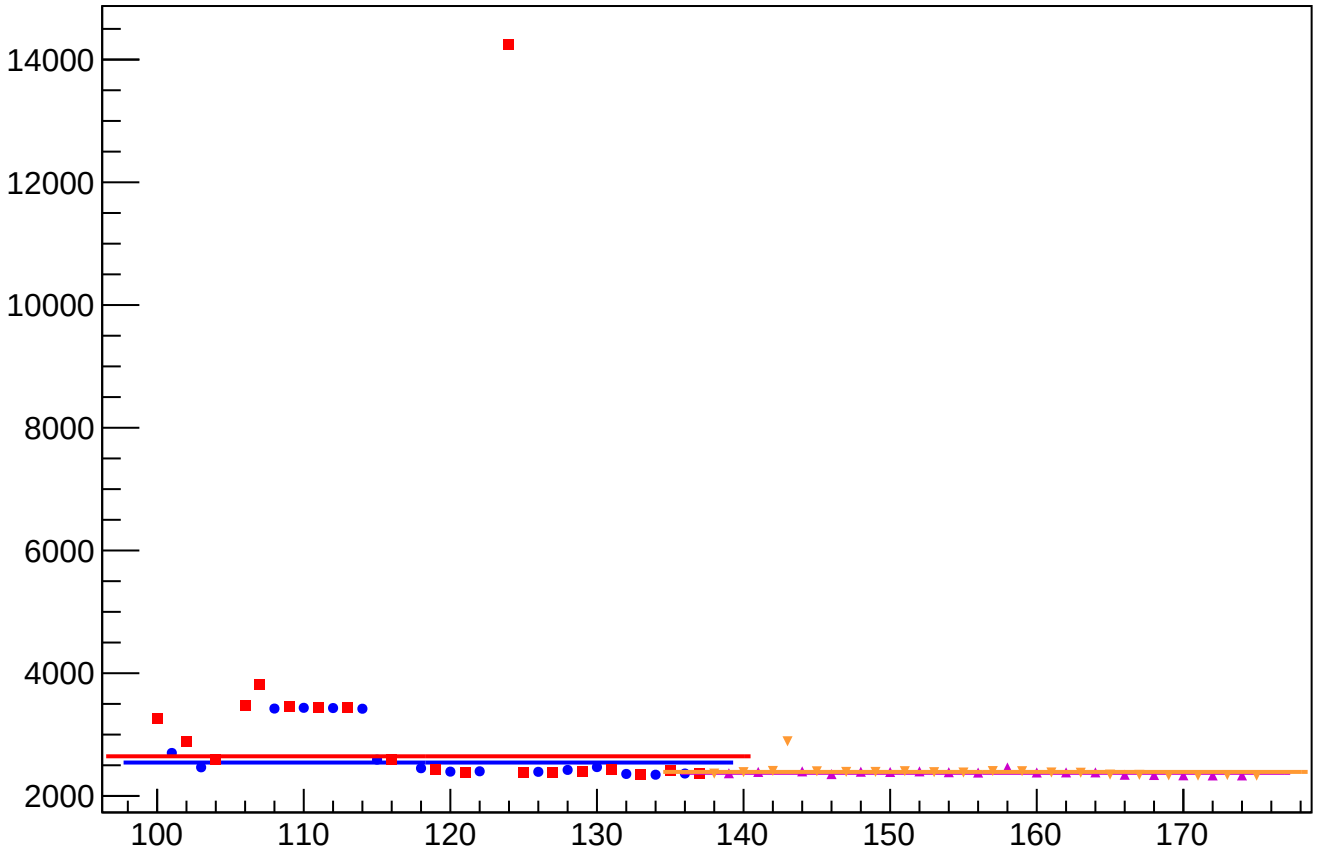
Left: 1548.886+/-430.157 χ^2/NDF: 42.5/37

Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1761.896+/-517.394 χ^2/NDF:34.8/33

Out: 1402.605+/-512.937 χ^2/NDF:41.7/38

All: 1580.696+/-364.267 χ^2/NDF: 76.7/72



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

Left: 2384.557+/-0.304 χ^2/NDF: 59943.9/37

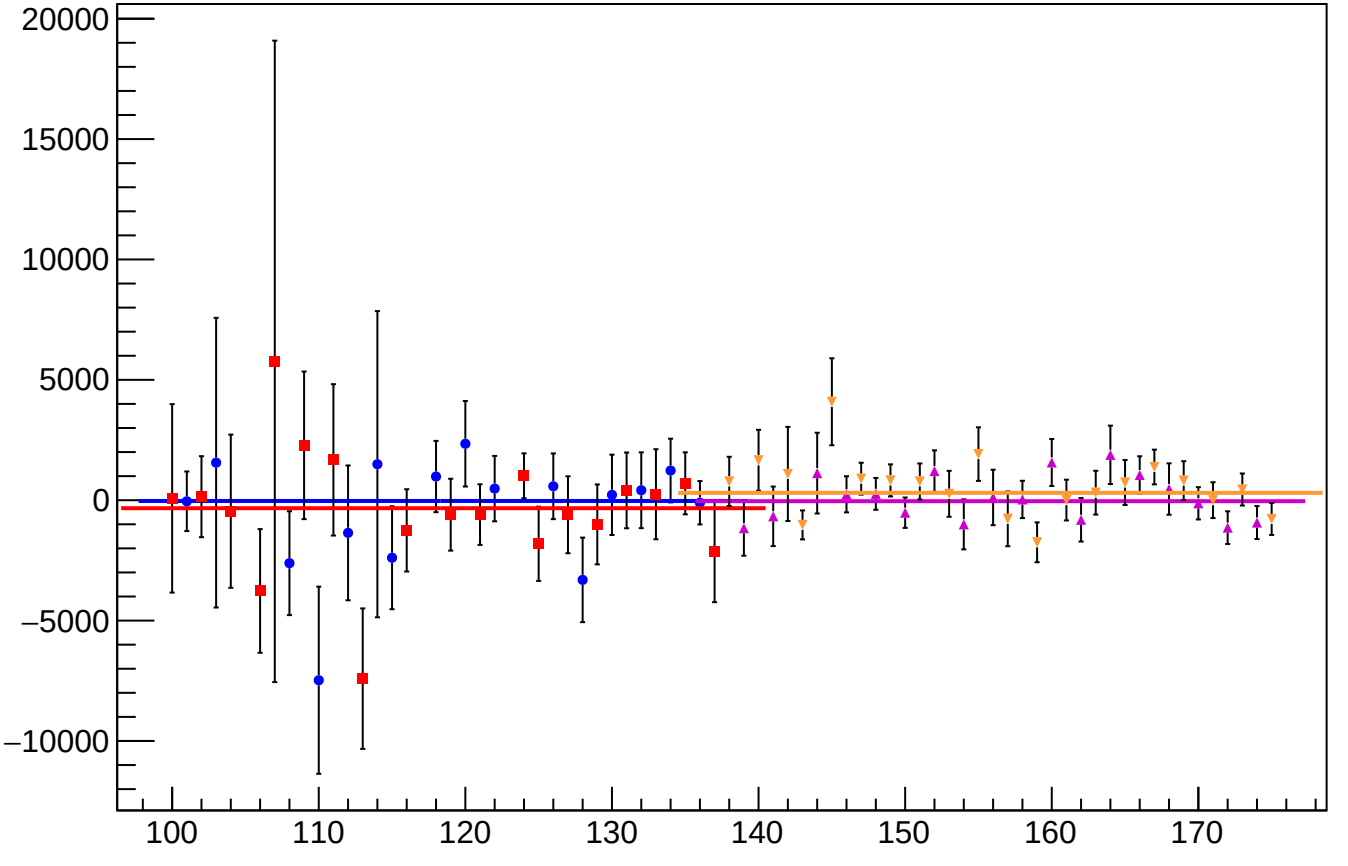
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2426.452+/-0.366 χ^2/NDF:274276.6/33

Out: 2460.629+/-0.363 χ^2/NDF:691054.0/38

All: 2443.688+/-0.258 χ^2/NDF: 969731.9/72

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -40.505+/-199.833 χ^2/NDF:18.1/17

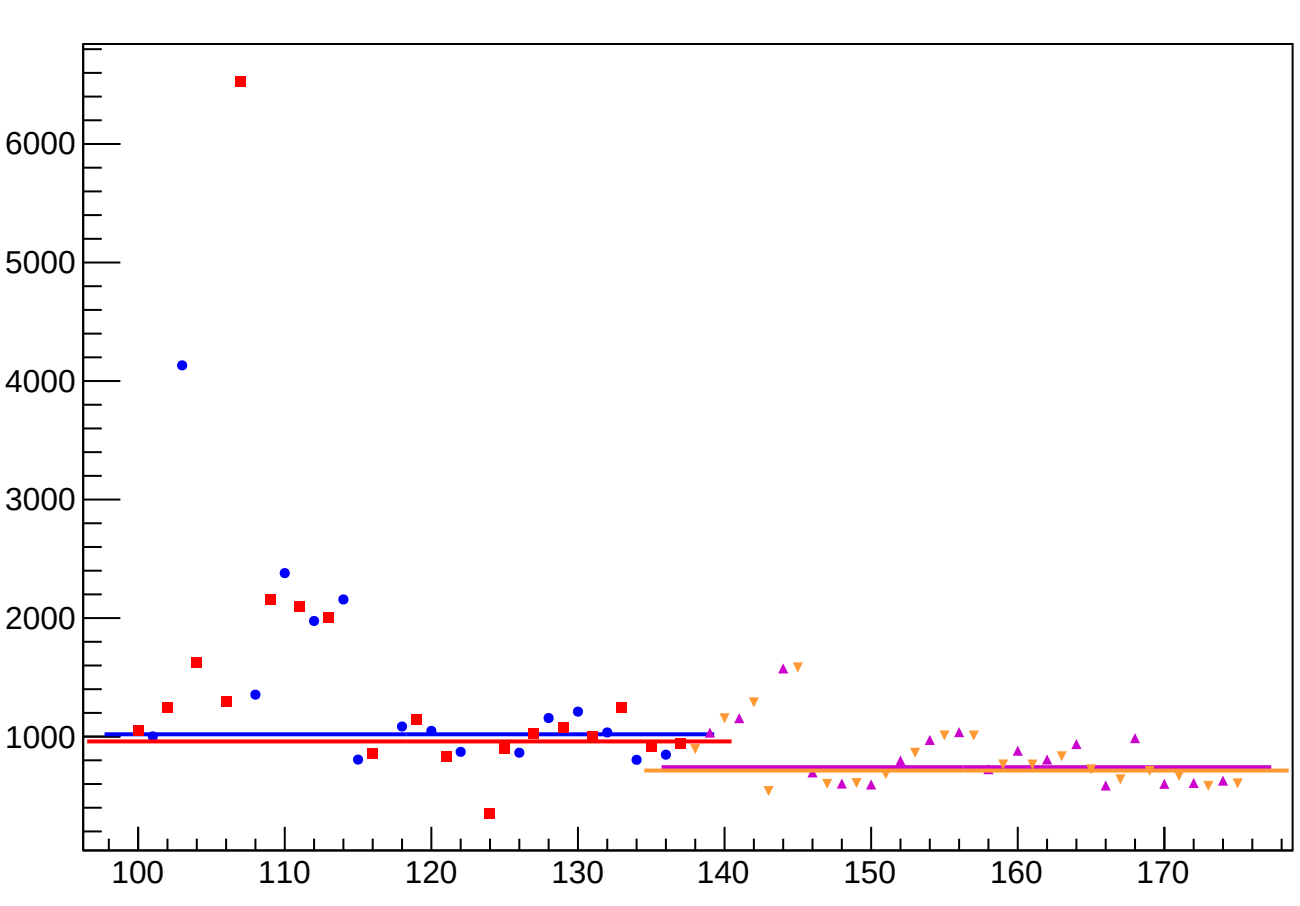
Left: 145.444+/-136.113 χ^2/NDF: 47.3/37

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -38.699+/-179.268 χ^2/NDF:31.9/33

Out: 192.675+/-168.538 χ^2/NDF:44.1/38

All: 84.119+/-122.793 χ^2/NDF: 76.8/72



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

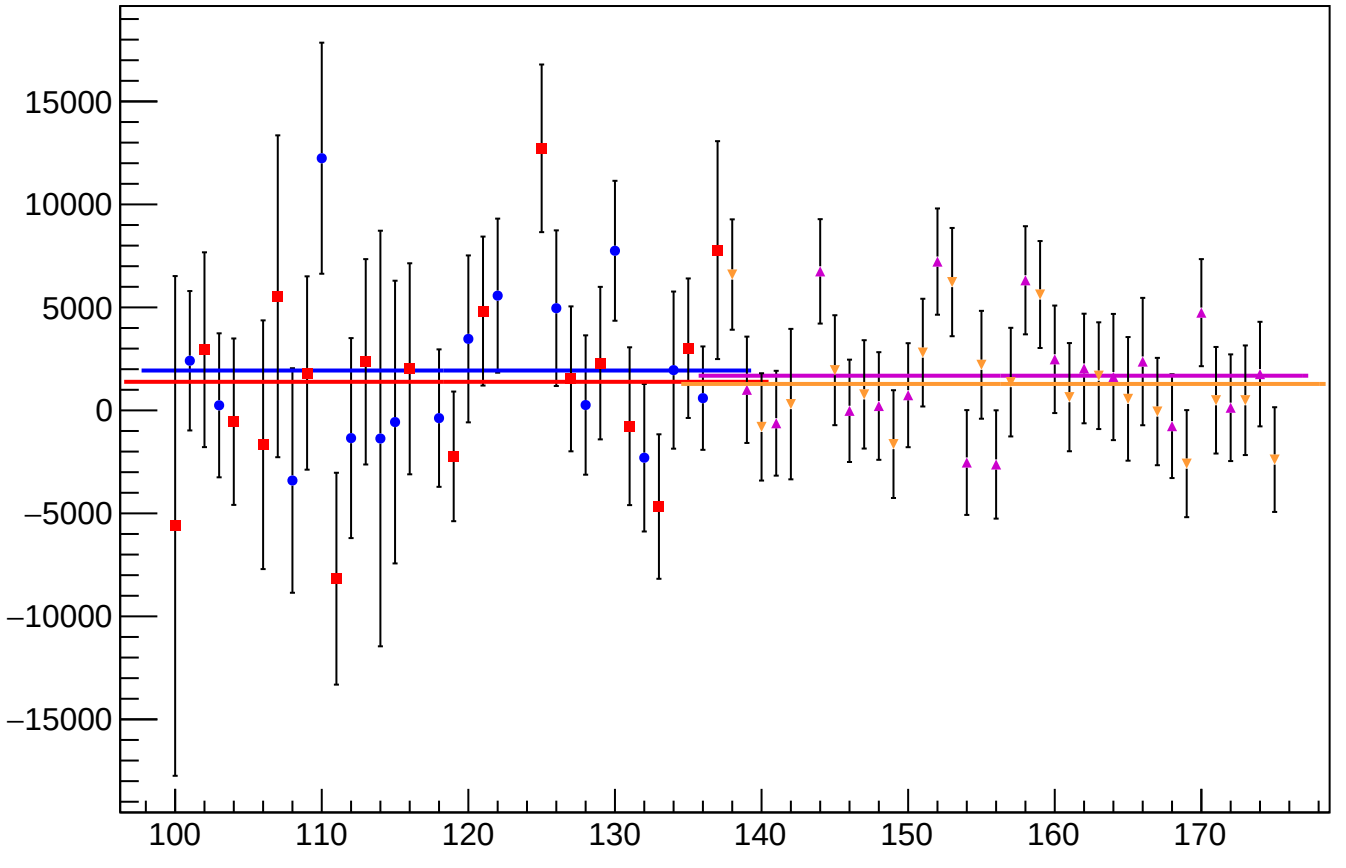
Left: 726.684+/-0.096 χ^2/NDF: 3567773.6/37

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 796.014+/-0.127 χ^2/NDF:3912552.3/33

Out: 757.378+/-0.119 χ^2/NDF:4719664.0/38

All: 775.505+/-0.087 χ^2/NDF: 8681528.0/72



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1683.726+/-616.755 χ^2/NDF:21.8/17

Left: 1482.591+/-434.531 χ^2/NDF: 39.7/36

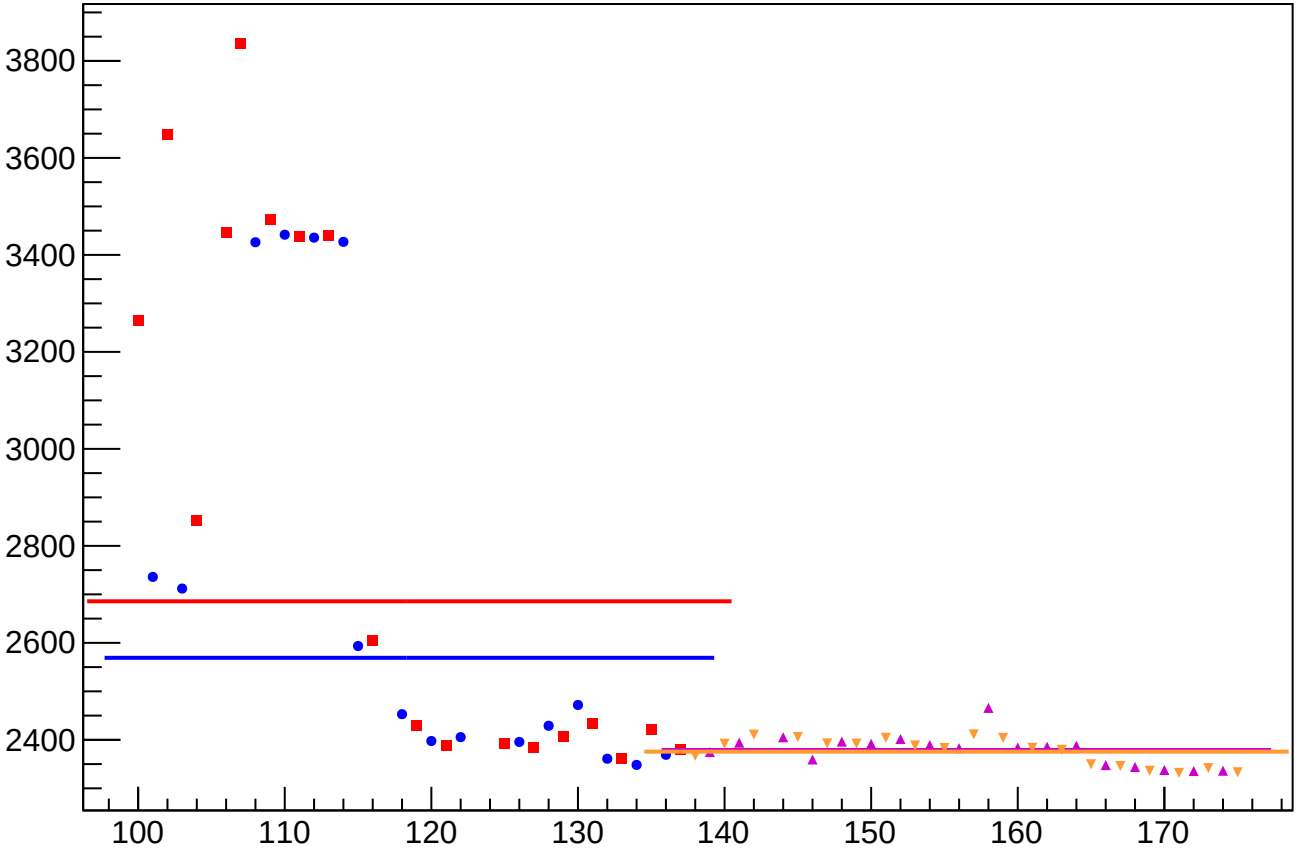
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1757.176+/-519.262 χ^2/NDF:34.2/33

Out: 1312.118+/-523.477 χ^2/NDF:37.5/36

All: 1536.446+/-368.655 χ^2/NDF: 72.0/70

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

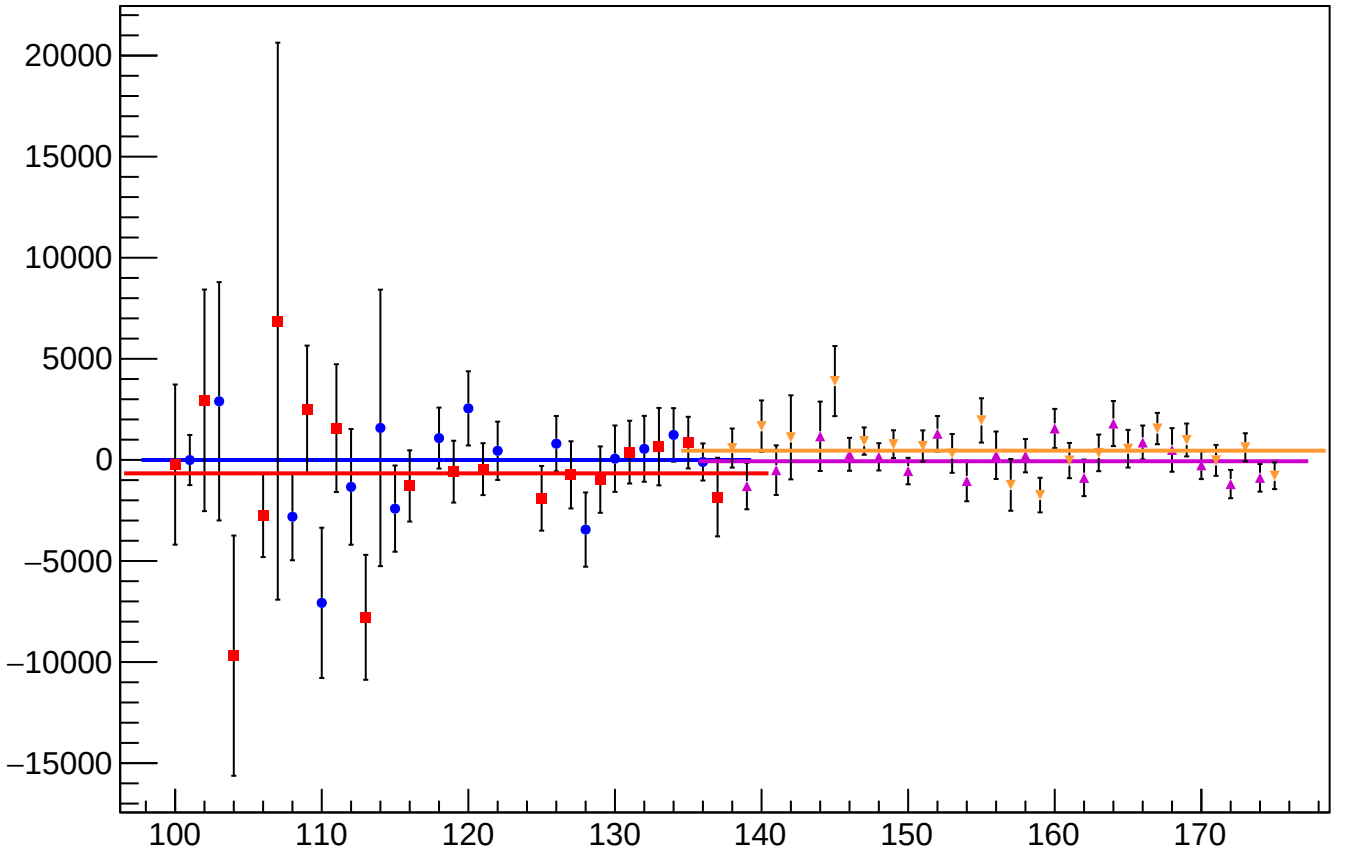
Left: 2377.379+/-0.307 χ^2/NDF: 9177.1/36

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2434.438+/-0.367 χ^2/NDF:289949.9/33

Out: 2459.093+/-0.370 χ^2/NDF:561181.3/36

All: 2446.666+/-0.261 χ^2/NDF: 853367.4/70



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -66.007+/-204.236 χ^2/NDF:18.2/17

Left: 201.159+/-142.789 χ^2/NDF: 44.2/36

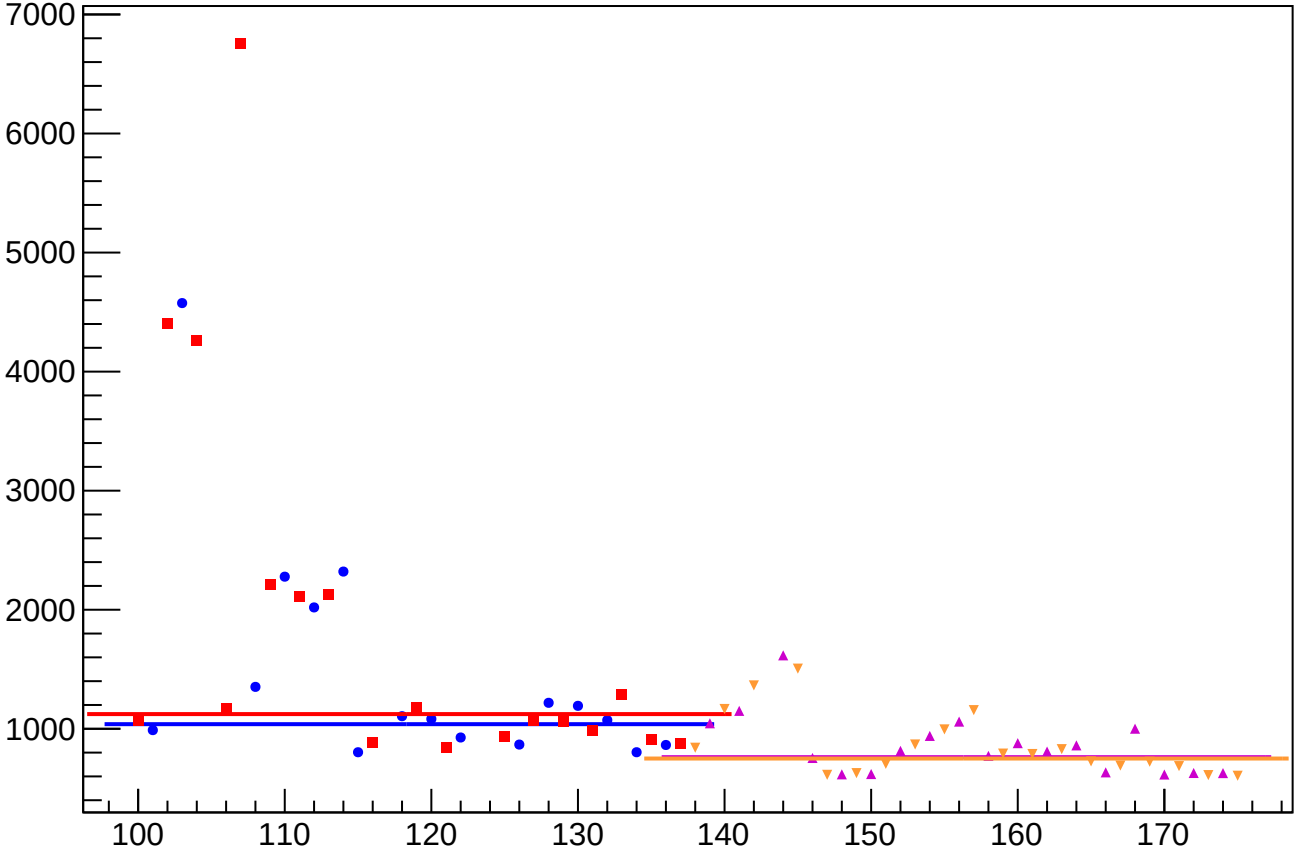
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -54.017+/-183.008 χ^2/NDF:32.7/33

Out: 278.913+/-183.221 χ^2/NDF:42.1/36

All: 112.254+/-129.482 χ^2/NDF: 76.4/70

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 750.211+/-0.141 χ^2/NDF:1497424.5/18

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 761.807+/-0.144 χ^2/NDF:1639077.2/17

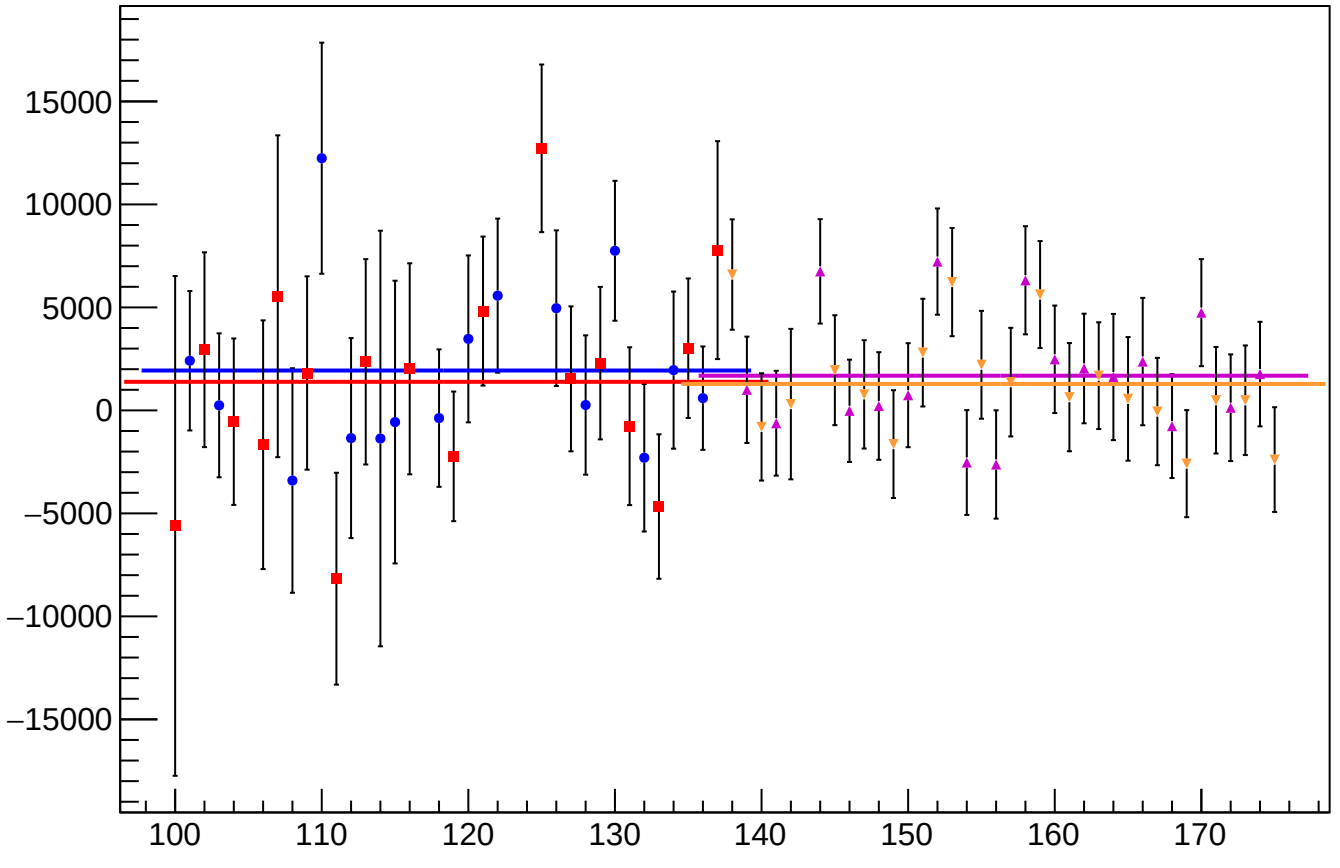
Left: 755.879+/-0.101 χ^2/NDF: 3139797.2/36

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 816.395+/-0.129 χ^2/NDF:3903807.3/33

Out: 809.297+/-0.130 χ^2/NDF:5138888.1/36

All: 812.850+/-0.092 χ^2/NDF: 9044197.9/70



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1683.727+/-616.755 χ^2/NDF:21.8/17

Left: 1482.591+/-434.531 χ^2/NDF: 39.7/36

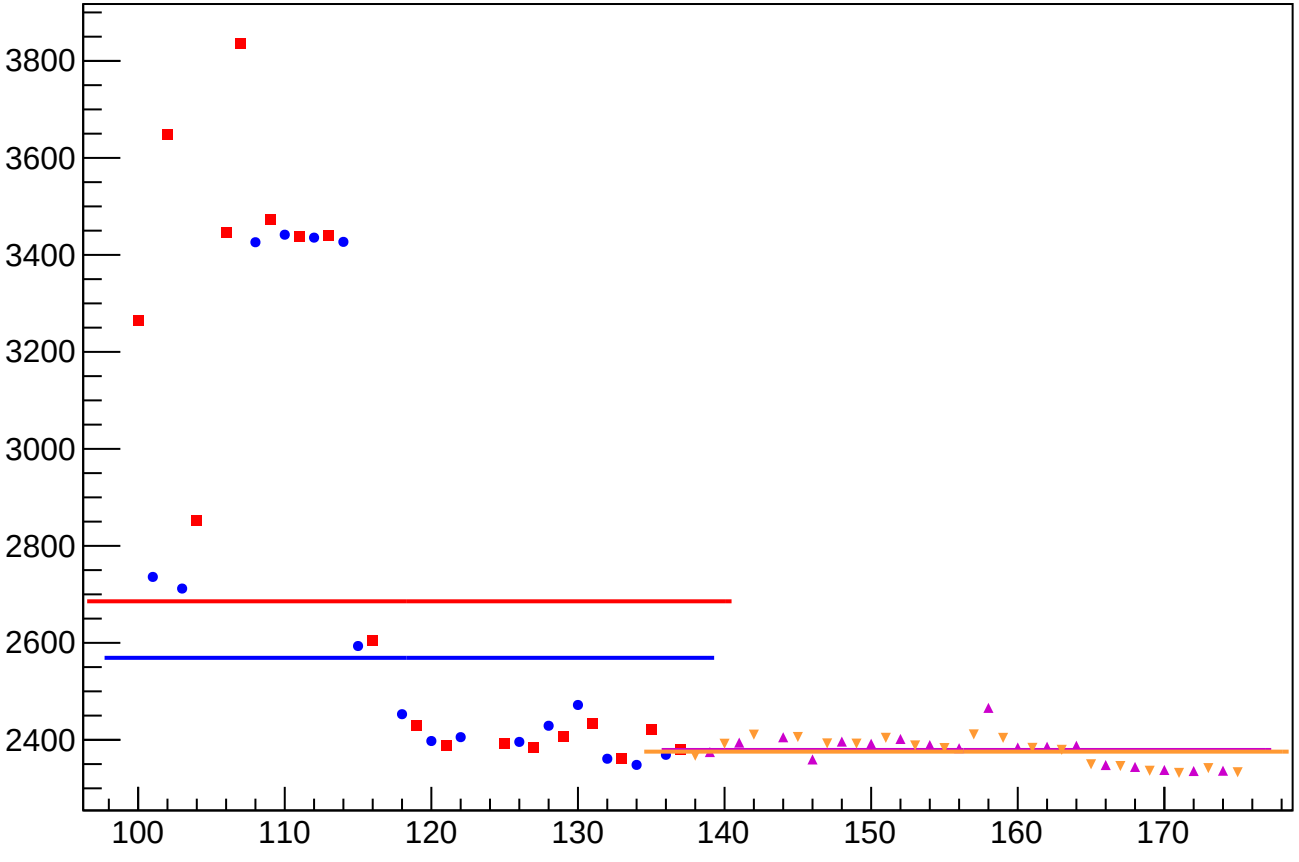
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1757.175+/-519.262 χ^2/NDF:34.2/33

Out: 1312.118+/-523.477 χ^2/NDF:37.5/36

All: 1536.445+/-368.655 χ^2/NDF: 72.0/70

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

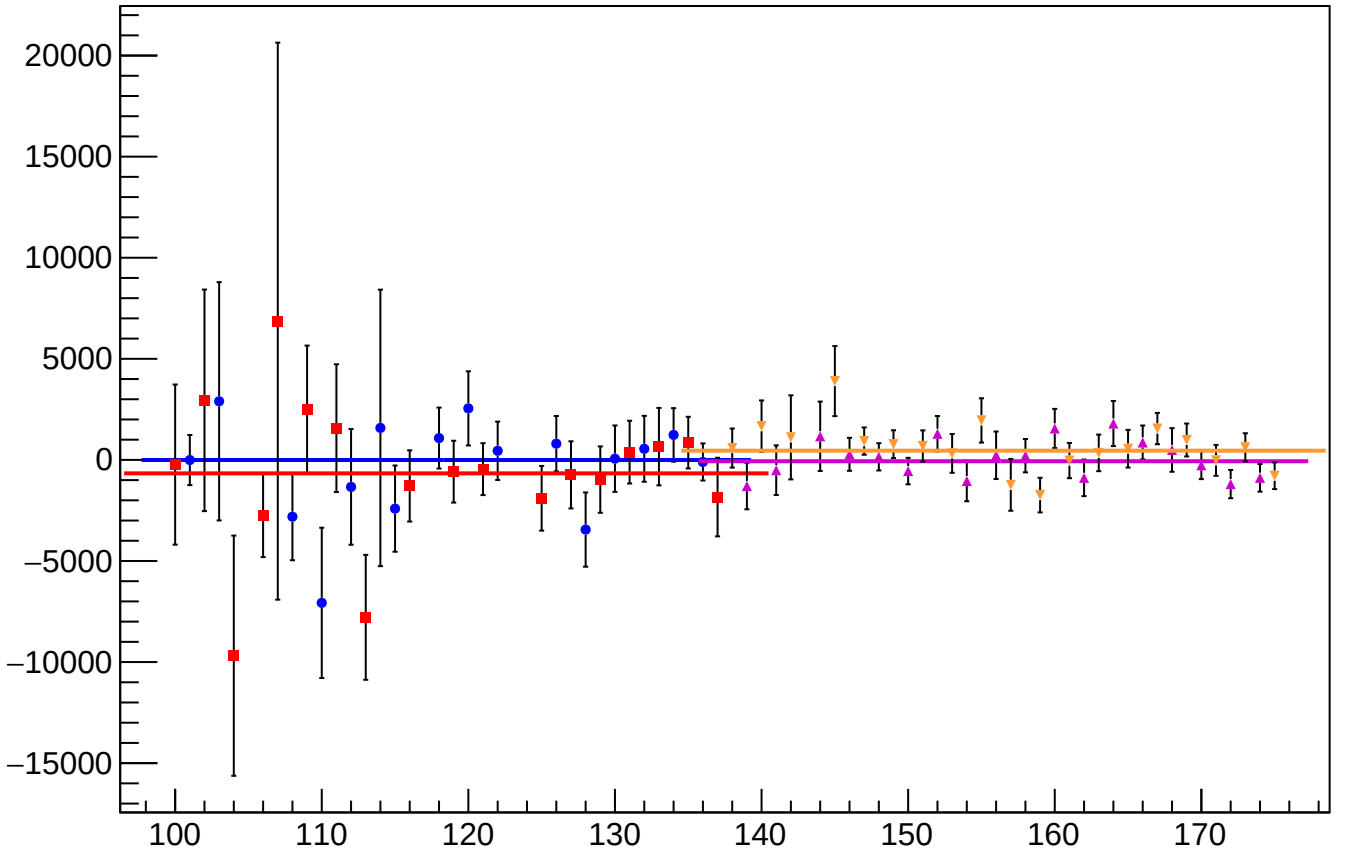
Left: 2377.379+/-0.307 χ^2/NDF: 9177.1/36

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2434.438+/-0.367 χ^2/NDF:289949.5/33

Out: 2459.093+/-0.370 χ^2/NDF:561180.3/36

All: 2446.666+/-0.261 χ^2/NDF: 853366.0/70



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -66.007+/-204.236 χ^2/NDF:18.2/17

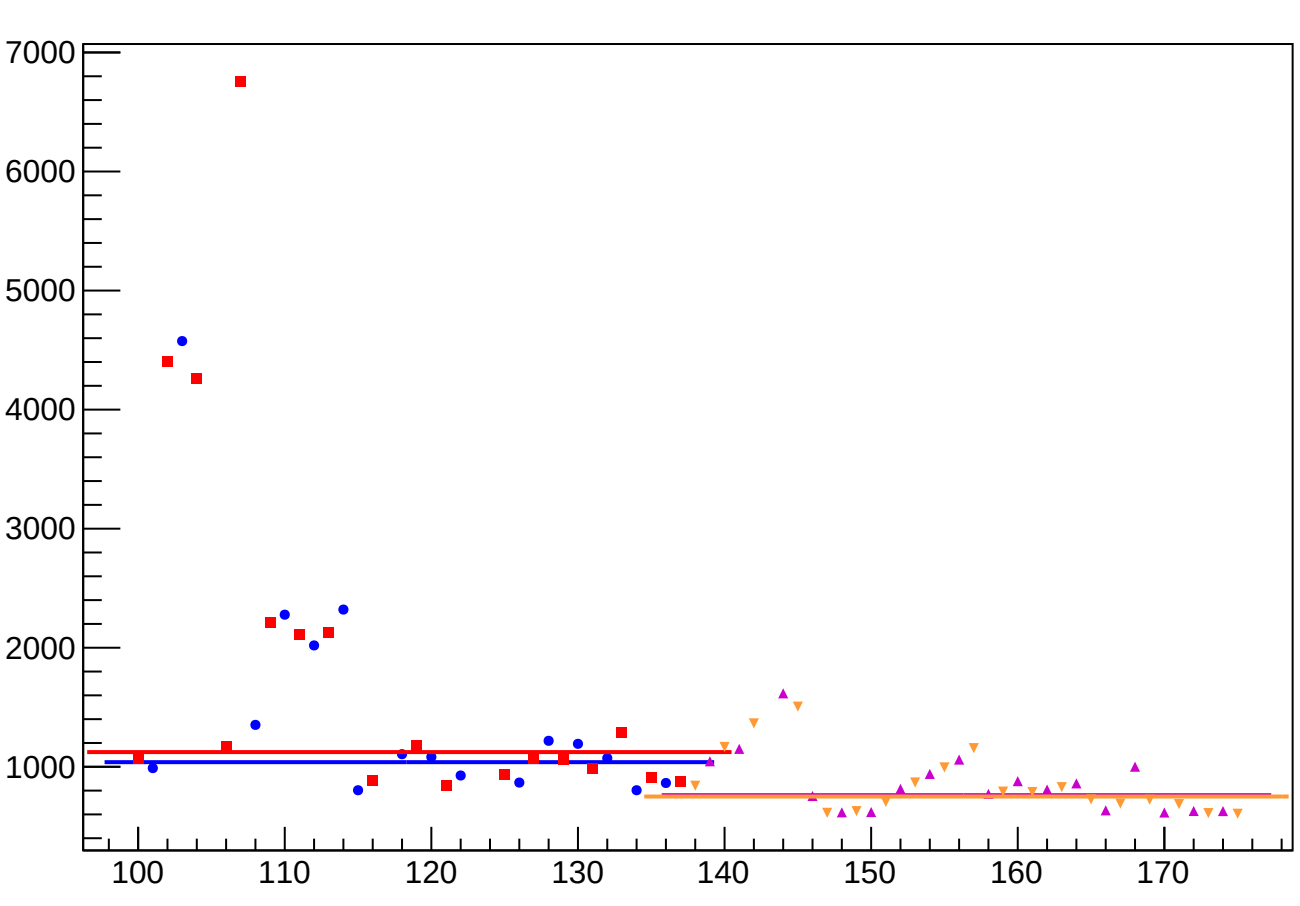
Left: 201.159+/-142.789 χ^2/NDF: 44.2/36

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -54.018+/-183.009 χ^2/NDF:32.7/33

Out: 278.912+/-183.221 χ^2/NDF:42.1/36

All: 112.254+/-129.482 χ^2/NDF: 76.4/70



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 750.213+/-0.141 χ^2/NDF:1497422.5/18

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 761.808+/-0.144 χ^2/NDF:1639074.1/17

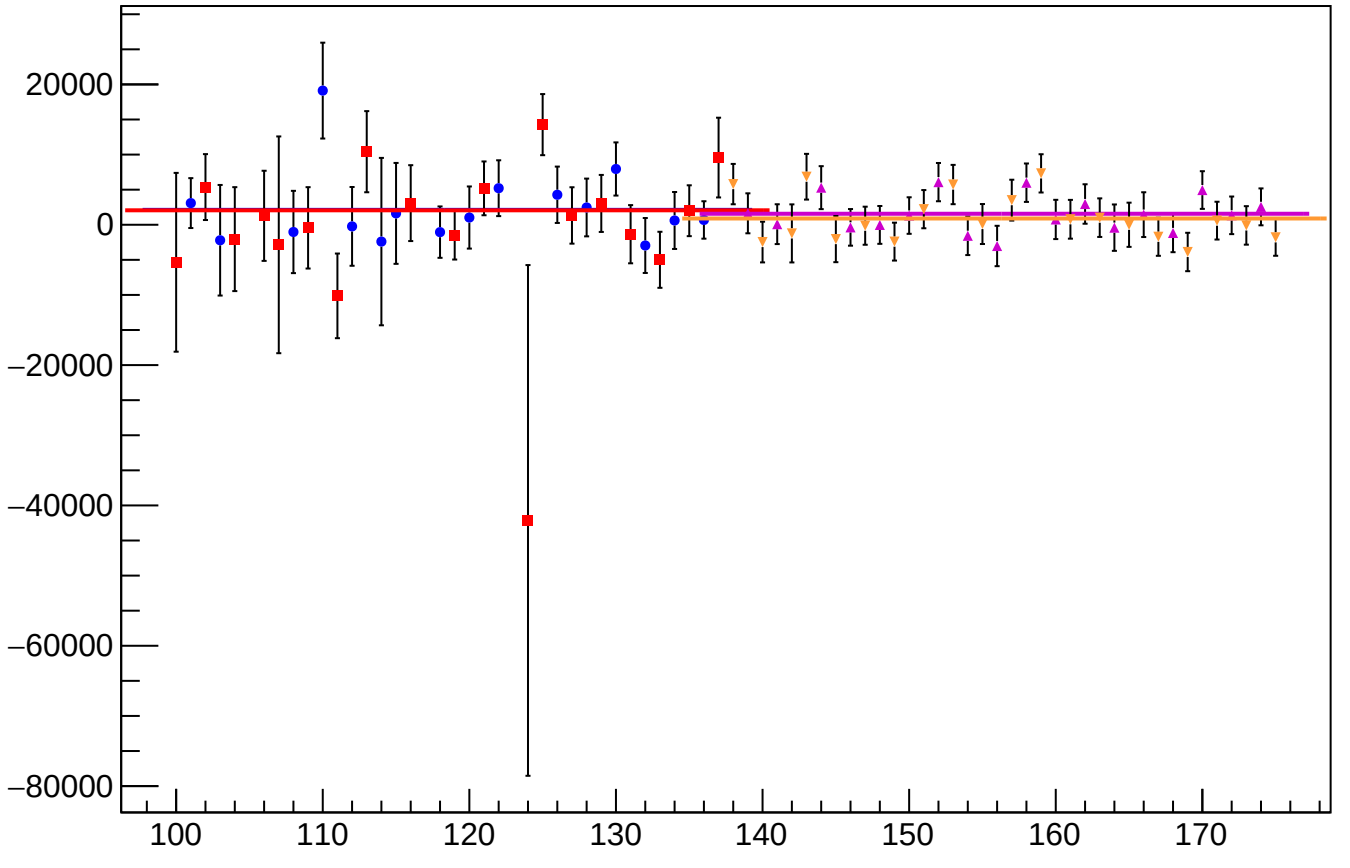
Left: 755.881+/-0.101 χ^2/NDF: 3139792.2/36

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 816.396+/-0.129 χ^2/NDF:3903792.7/33

Out: 809.298+/-0.130 χ^2/NDF:5138875.4/36

All: 812.852+/-0.092 χ^2/NDF: 9044170.6/70



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 892.347+/-639.616 χ^2/NDF:25.2/19

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1568.224+/-658.457 χ^2/NDF:15.3/17

Left: 1220.478+/-458.793 χ^2/NDF: 41.0/37

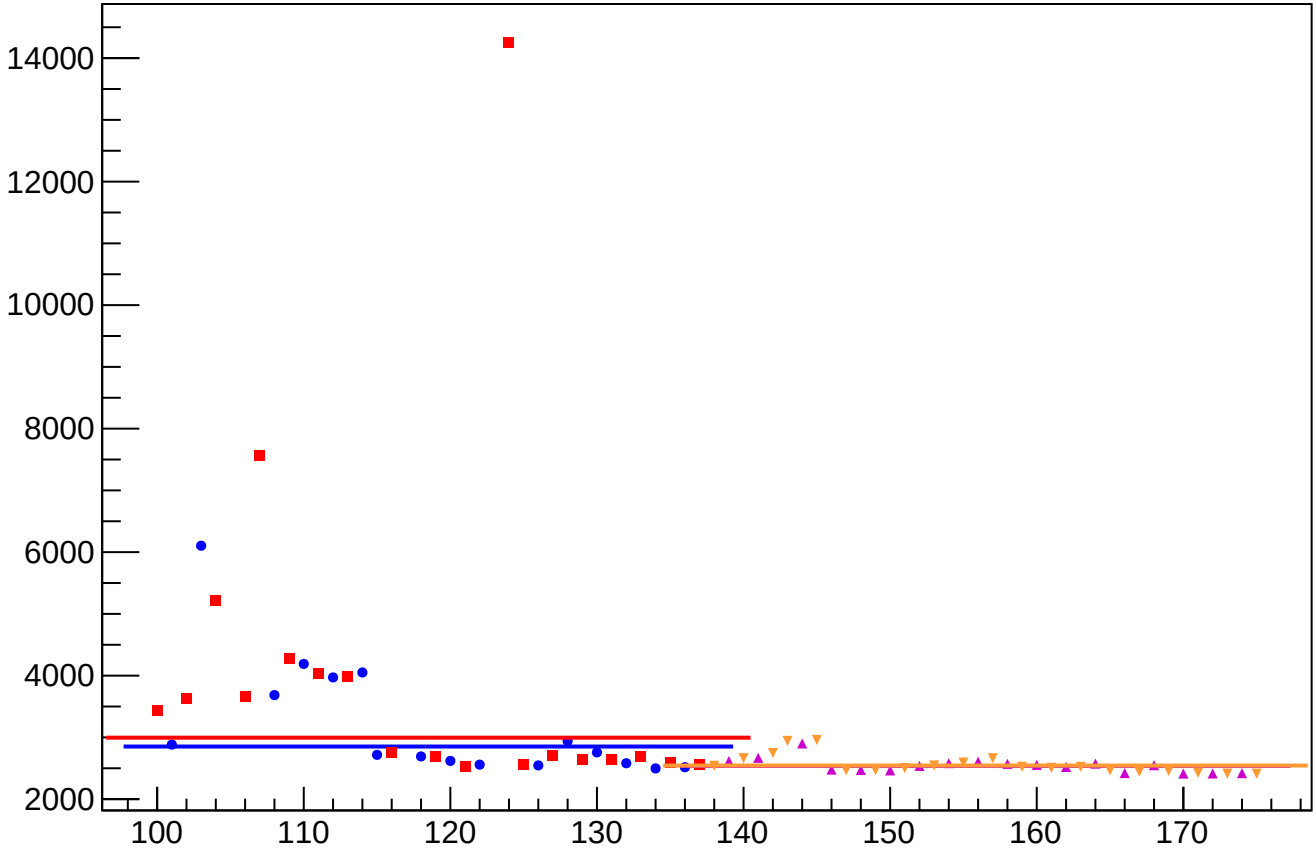
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1717.338+/-562.866 χ^2/NDF:28.8/33

Out: 1173.045+/-557.440 χ^2/NDF:50.3/38

All: 1442.555+/-396.074 χ^2/NDF: 79.6/72

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2544.105+/-0.452 χ^2/NDF:97224.4/19

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2537.319+/-0.466 χ^2/NDF:55231.2/17

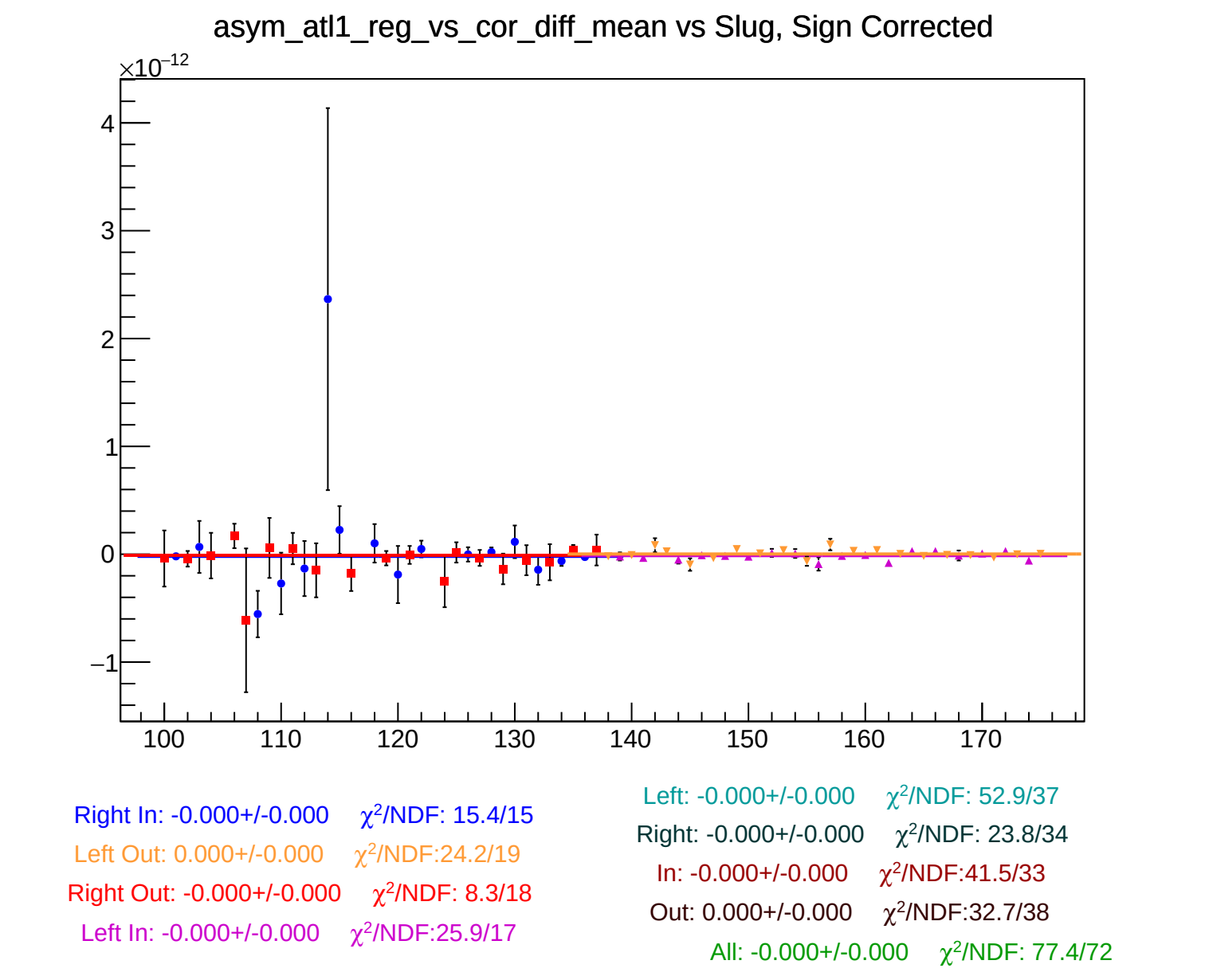
Left: 2540.810+/-0.324 χ^2/NDF: 152564.9/37

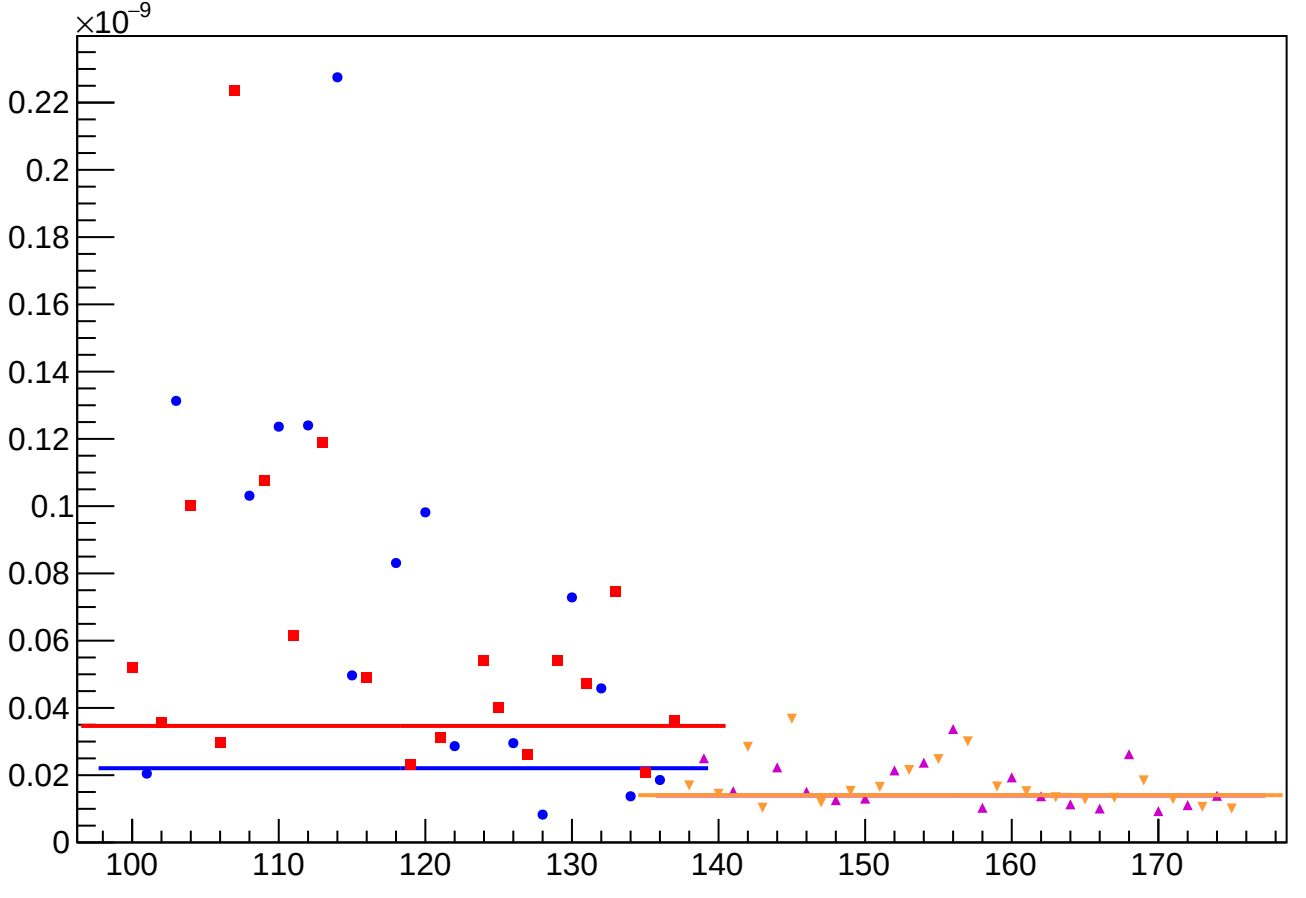
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2622.109+/-0.398 χ^2/NDF:827108.2/33

Out: 2652.648+/-0.394 χ^2/NDF:1315932.0/38

All: 2637.527+/-0.280 χ^2/NDF: 2146012.5/72


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:25.9/17
Left: -0.000+/-0.000 χ²/NDF: 52.9/37
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:41.5/33
Out: 0.000+/-0.000 χ²/NDF:32.7/38
All: -0.000+/-0.000 χ²/NDF: 77.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1199533.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1182328.5/17

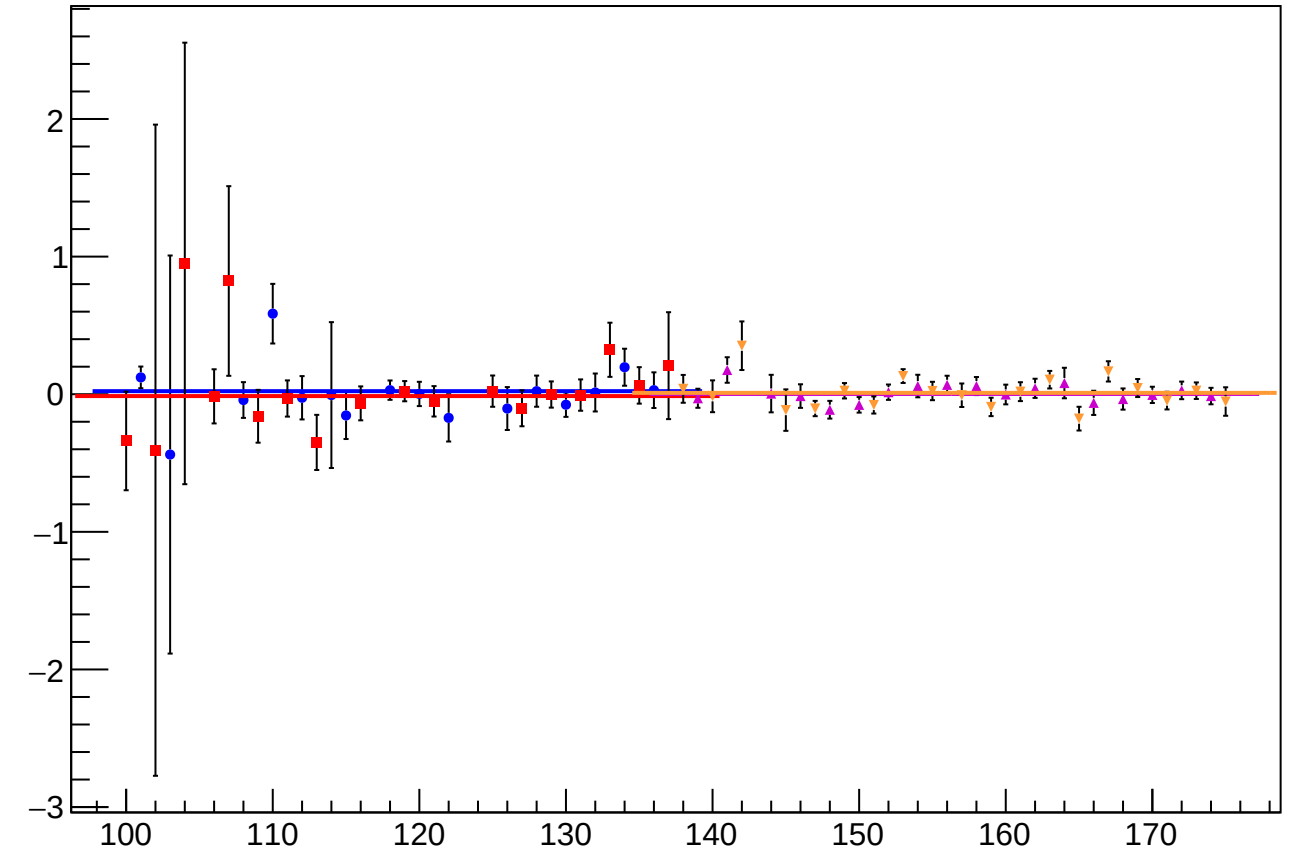
Left: 0.000+/-0.000 χ^2/NDF: 2382091.3/37

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3920356.3/33

Out: 0.000+/-0.000 χ^2/NDF:3787741.0/38

All: 0.000+/-0.000 χ^2/NDF: 7709404.9/72



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

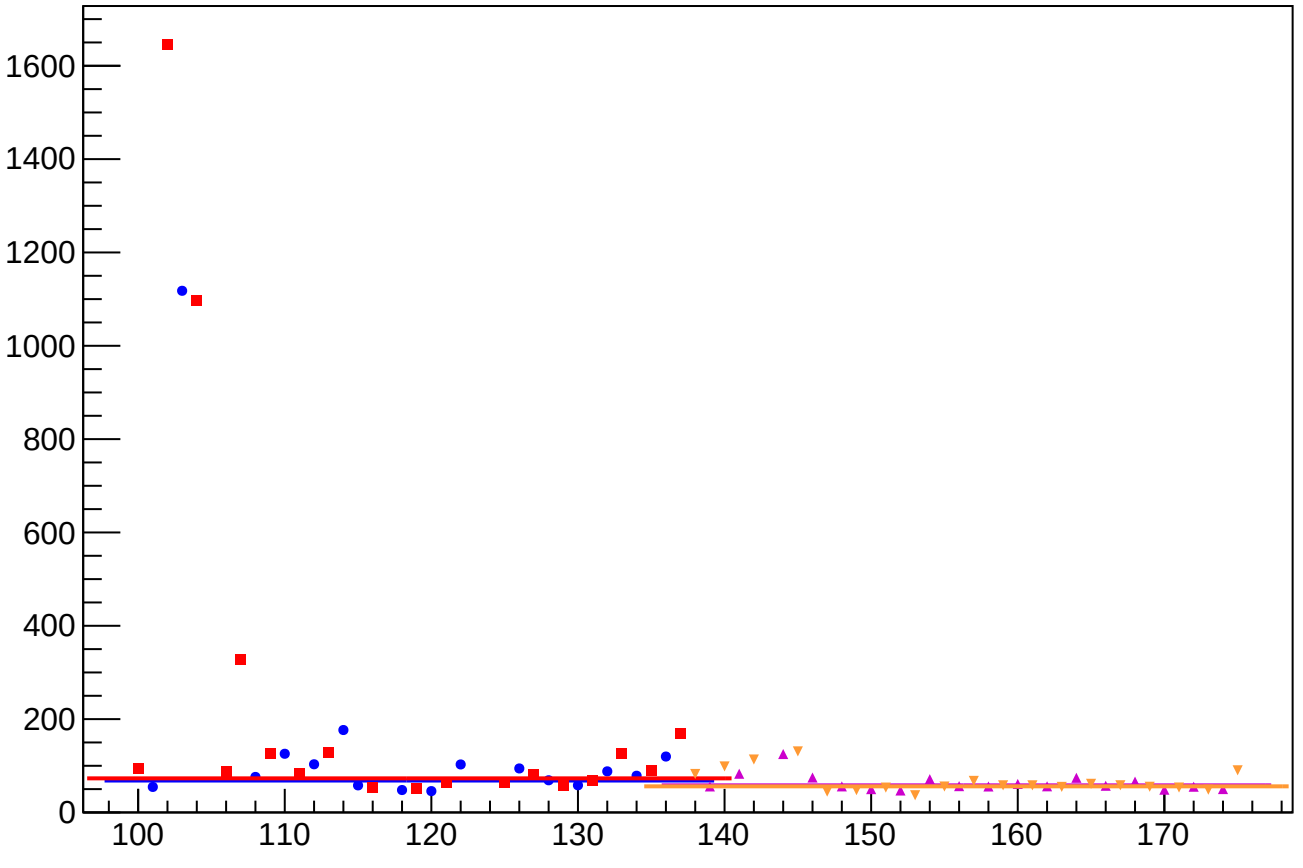
Left: 0.006+/-0.012 χ^2/NDF: 45.4/36

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.6/70



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

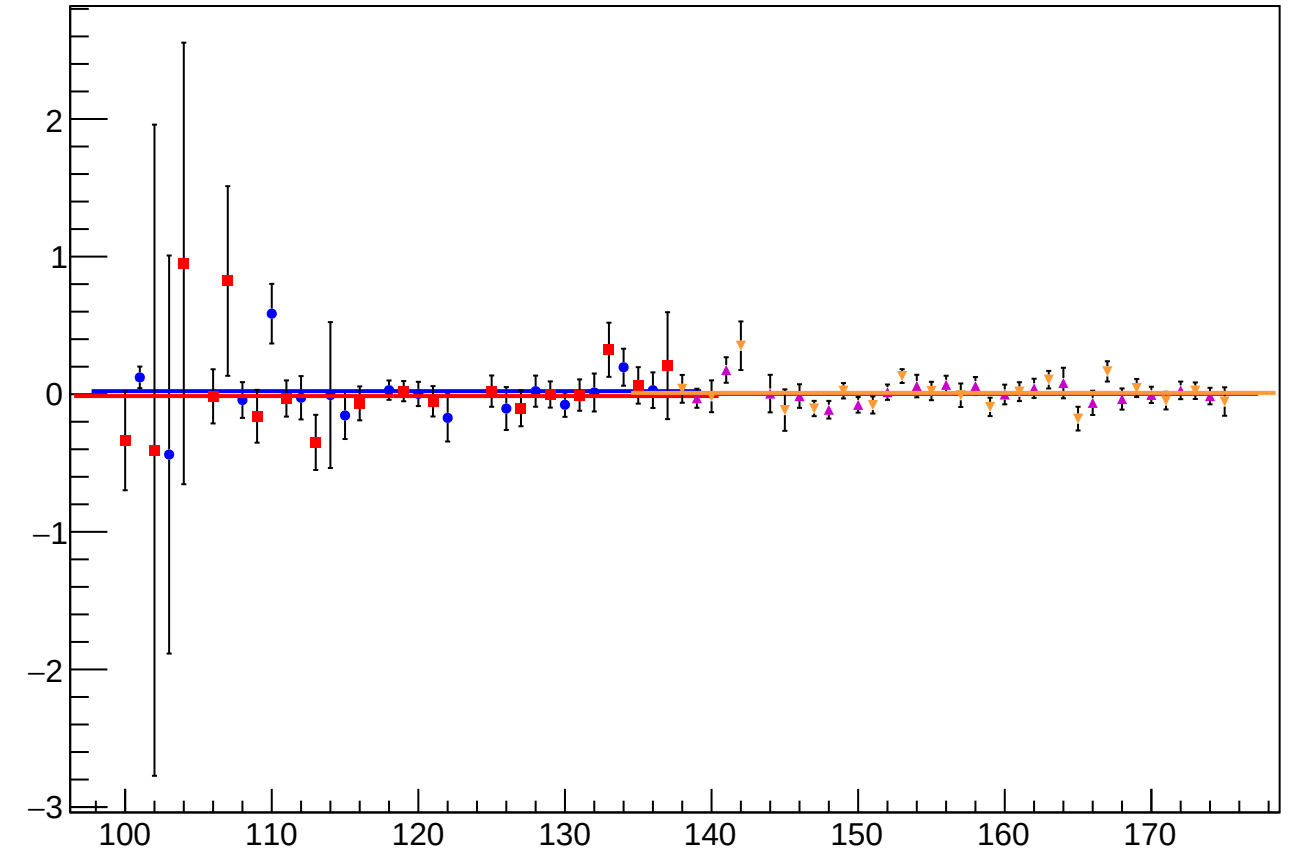
Left: 56.998+/-0.008 χ^2/NDF: 2897988.9/36

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.500+/-0.010 χ^2/NDF:3503245.2/33

Out: 59.254+/-0.010 χ^2/NDF:5172146.3/36

All: 59.880+/-0.007 χ^2/NDF: 8682649.3/70



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

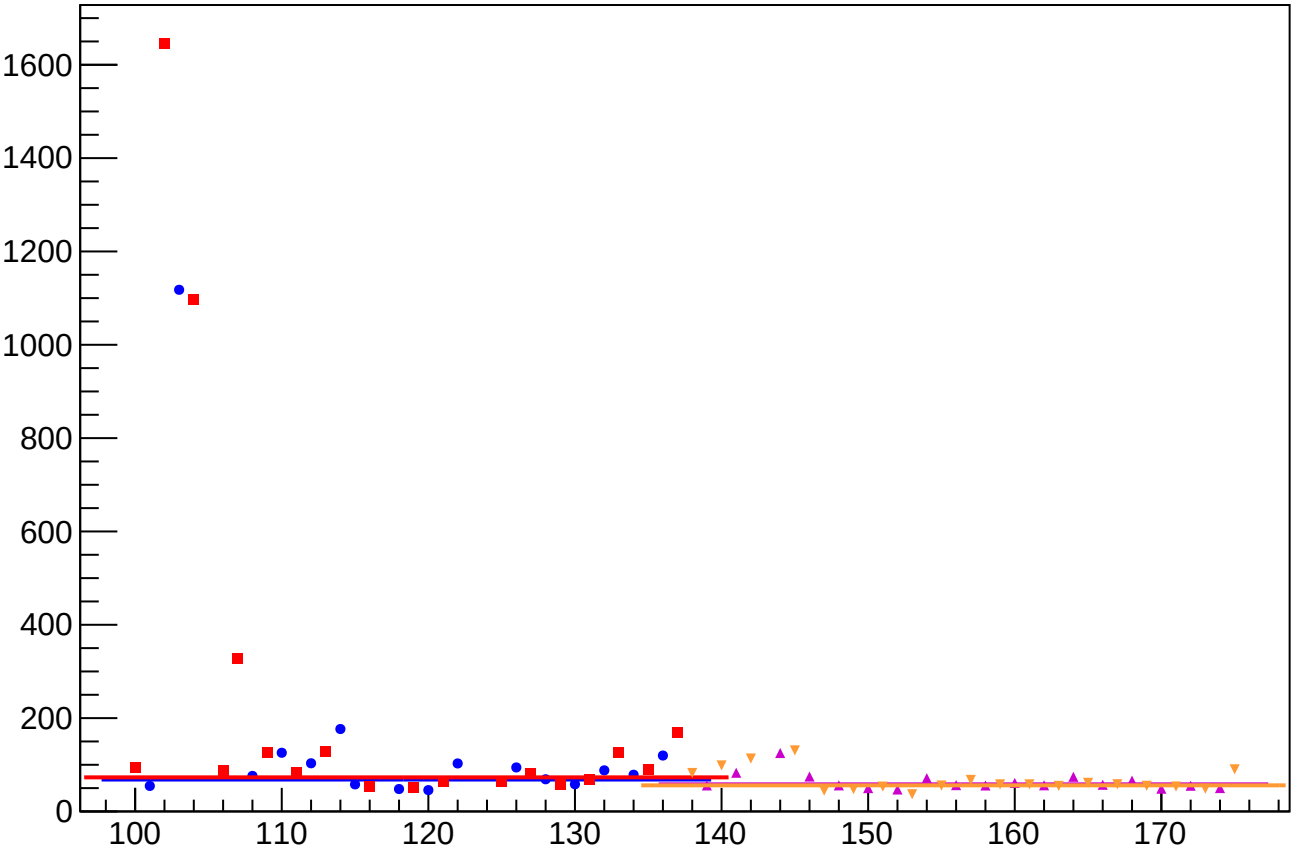
Left: 0.006+/-0.012 χ^2/NDF: 45.4/36

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.6/70



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

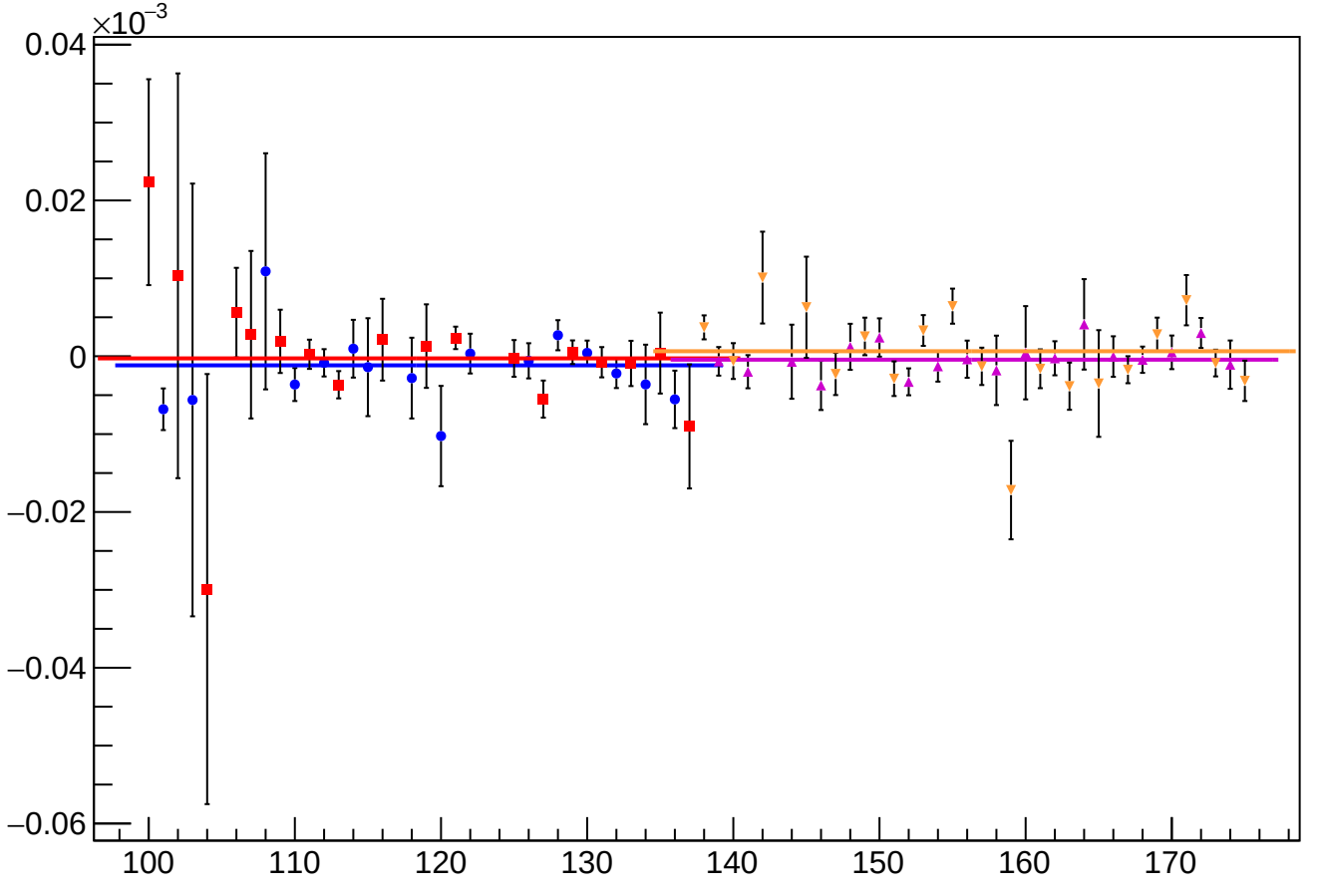
Left: 56.998+/-0.008 χ^2/NDF: 2897988.9/36

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.500+/-0.010 χ^2/NDF:3503245.2/33

Out: 59.254+/-0.010 χ^2/NDF:5172146.3/36

All: 59.880+/-0.007 χ^2/NDF: 8682649.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/17

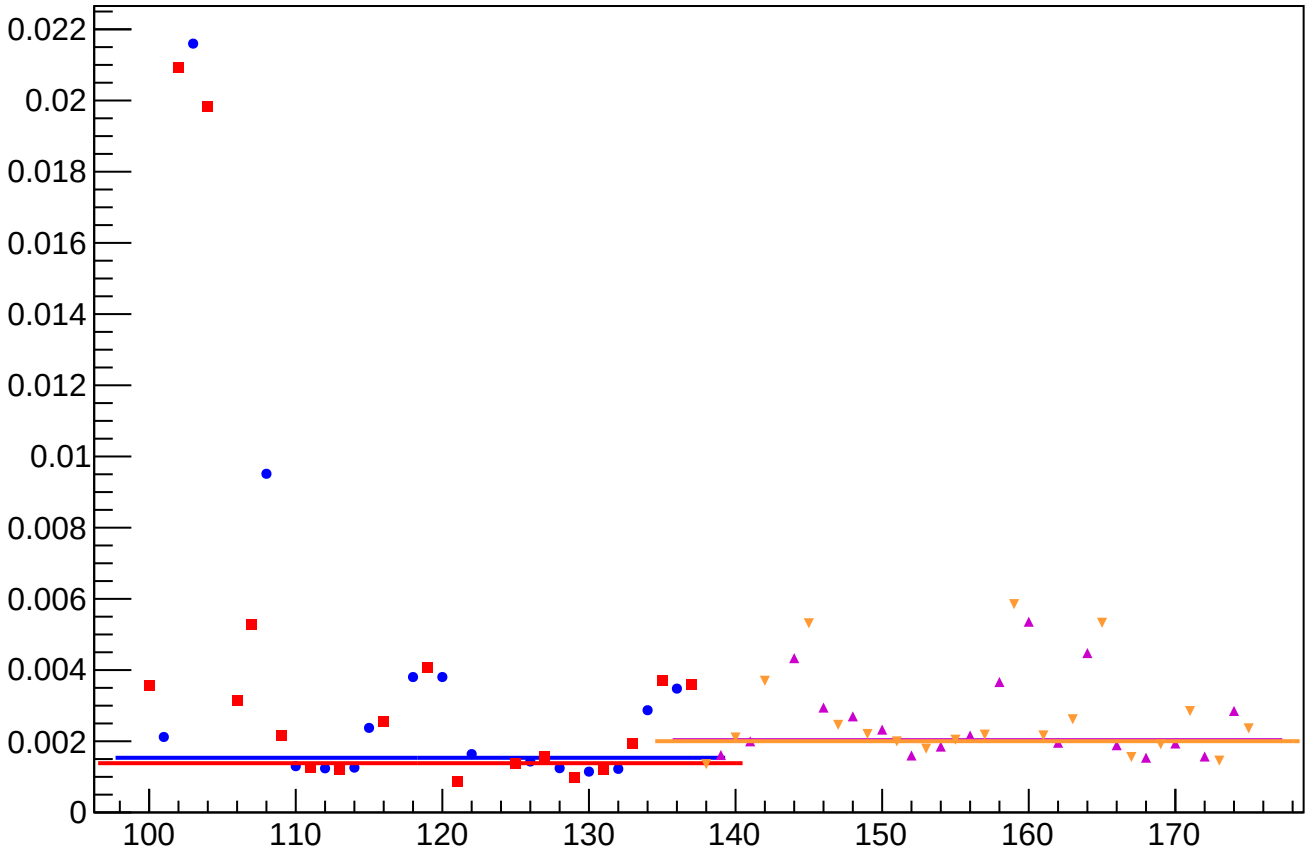
Left: 0.000+/-0.000 χ^2/NDF: 54.5/36

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:27.3/33

Out: 0.000+/-0.000 χ^2/NDF:63.0/36

All: -0.000+/-0.000 χ^2/NDF: 93.0/70



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2966452.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2695484.8/17

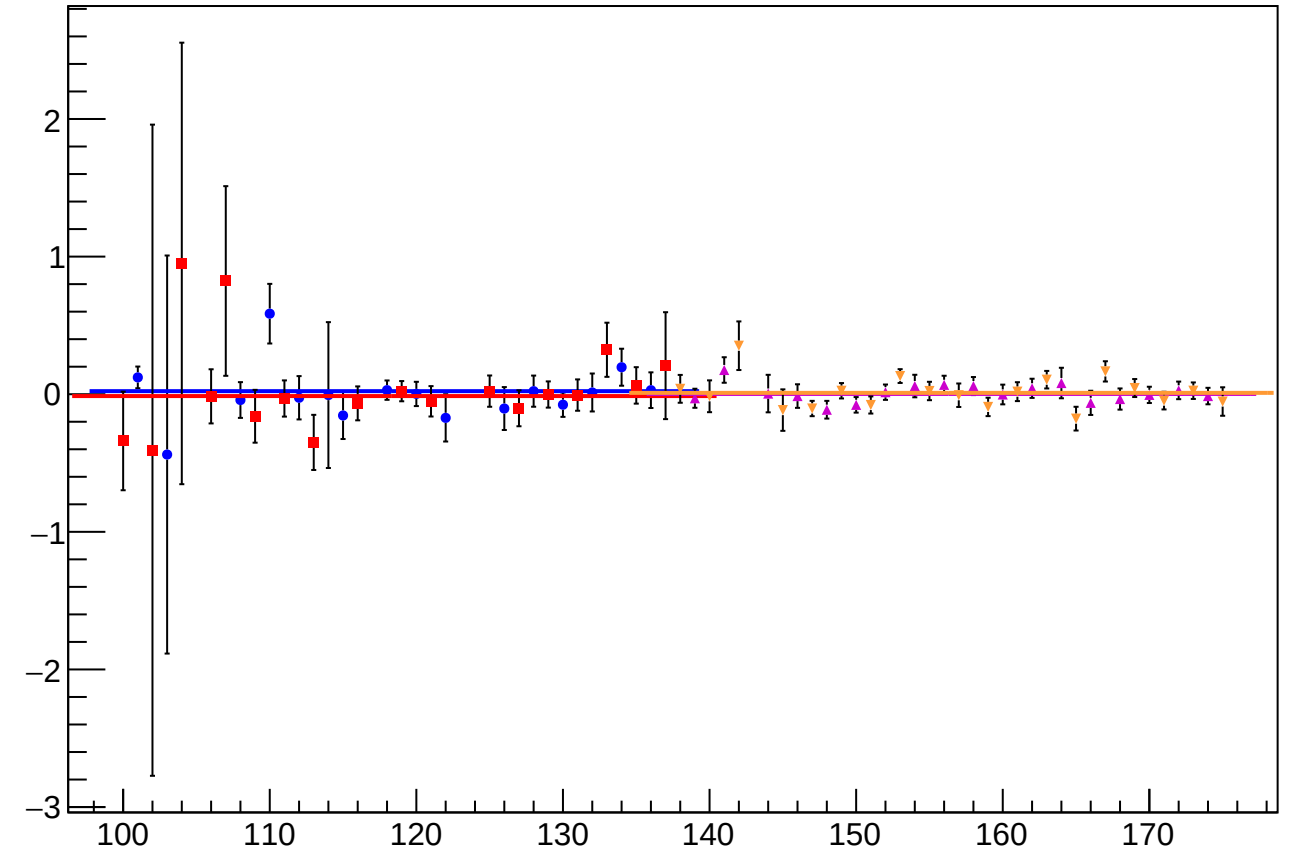
Left: 0.002+/-0.000 χ^2/NDF: 5664642.4/36

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6713562.4/33

Out: 0.002+/-0.000 χ^2/NDF:8315555.9/36

All: 0.002+/-0.000 χ^2/NDF: 15072909.0/70



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

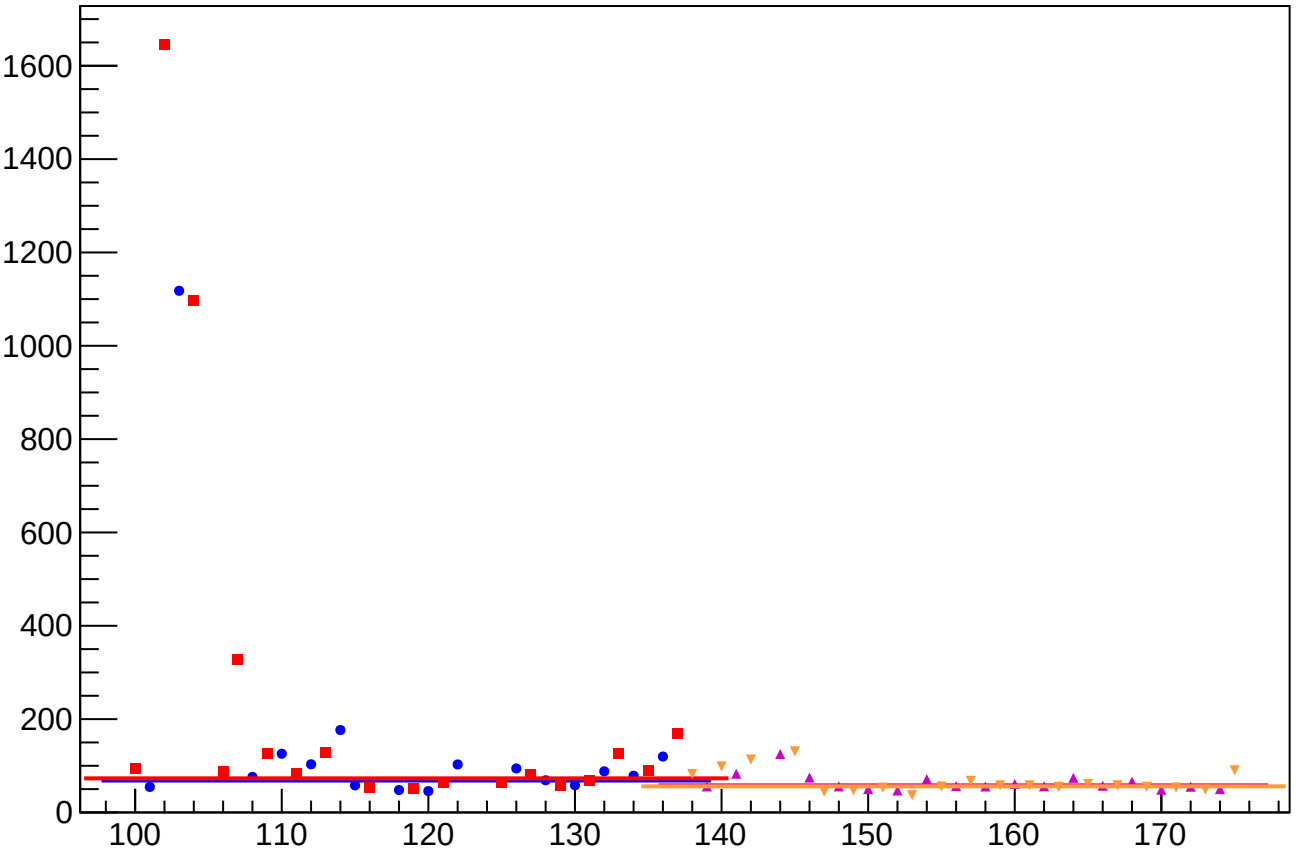
Left: 0.006+/-0.012 χ^2/NDF: 45.4/36

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.6/70



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

Left: 56.998+/-0.008 χ^2/NDF: 2898035.6/36

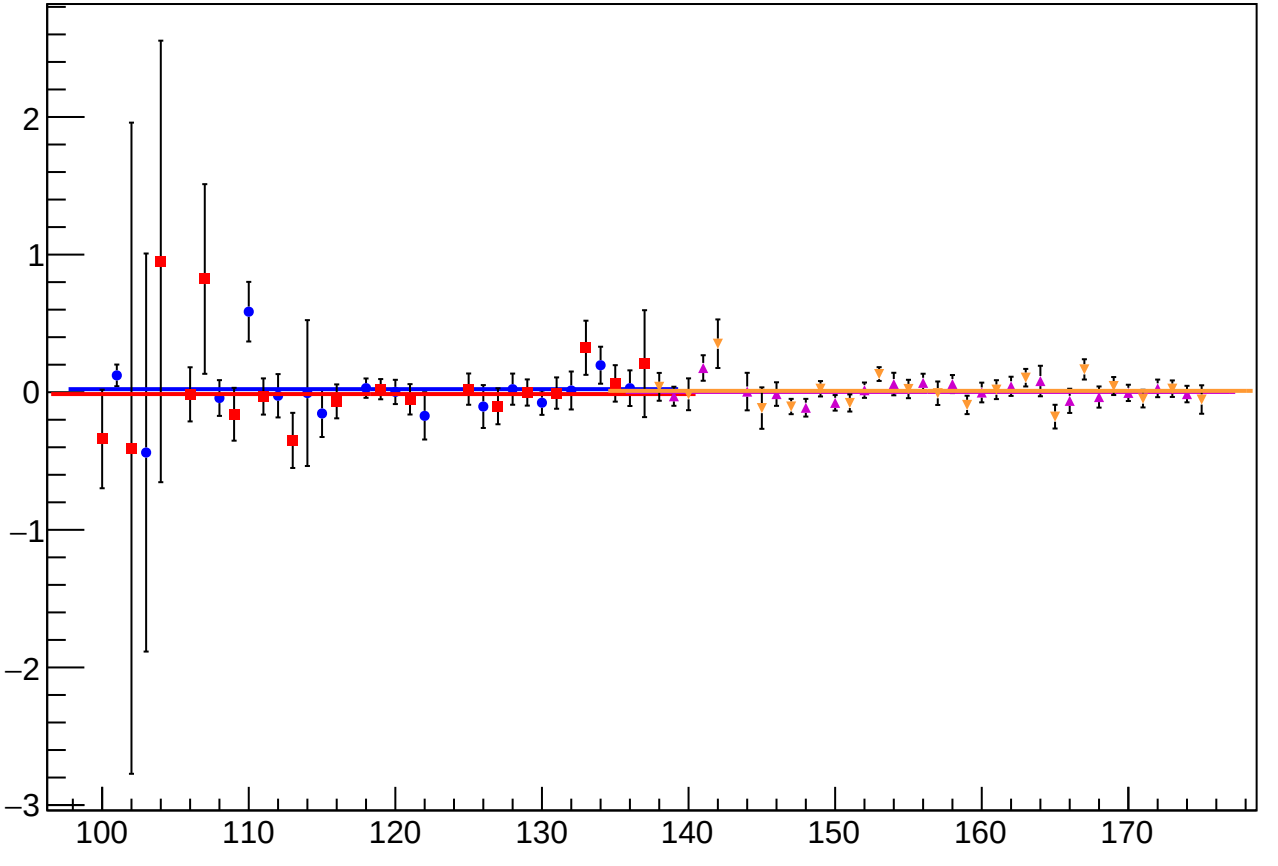
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.500+/-0.010 χ^2/NDF:3503267.7/33

Out: 59.254+/-0.010 χ^2/NDF:5172205.7/36

All: 59.880+/-0.007 χ^2/NDF: 8682731.9/70

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

Left: 0.006+/-0.012 χ^2/NDF: 45.4/36

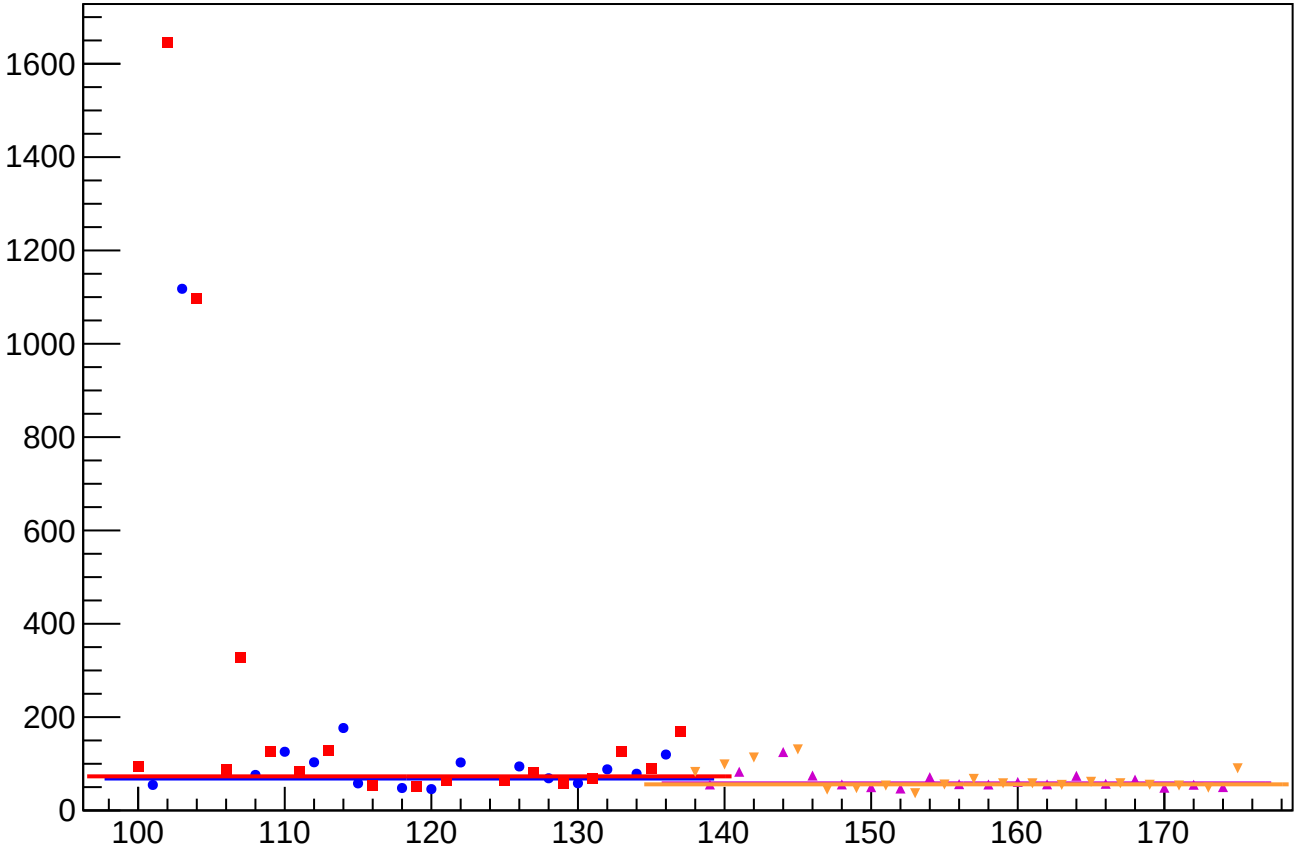
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.6/70

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

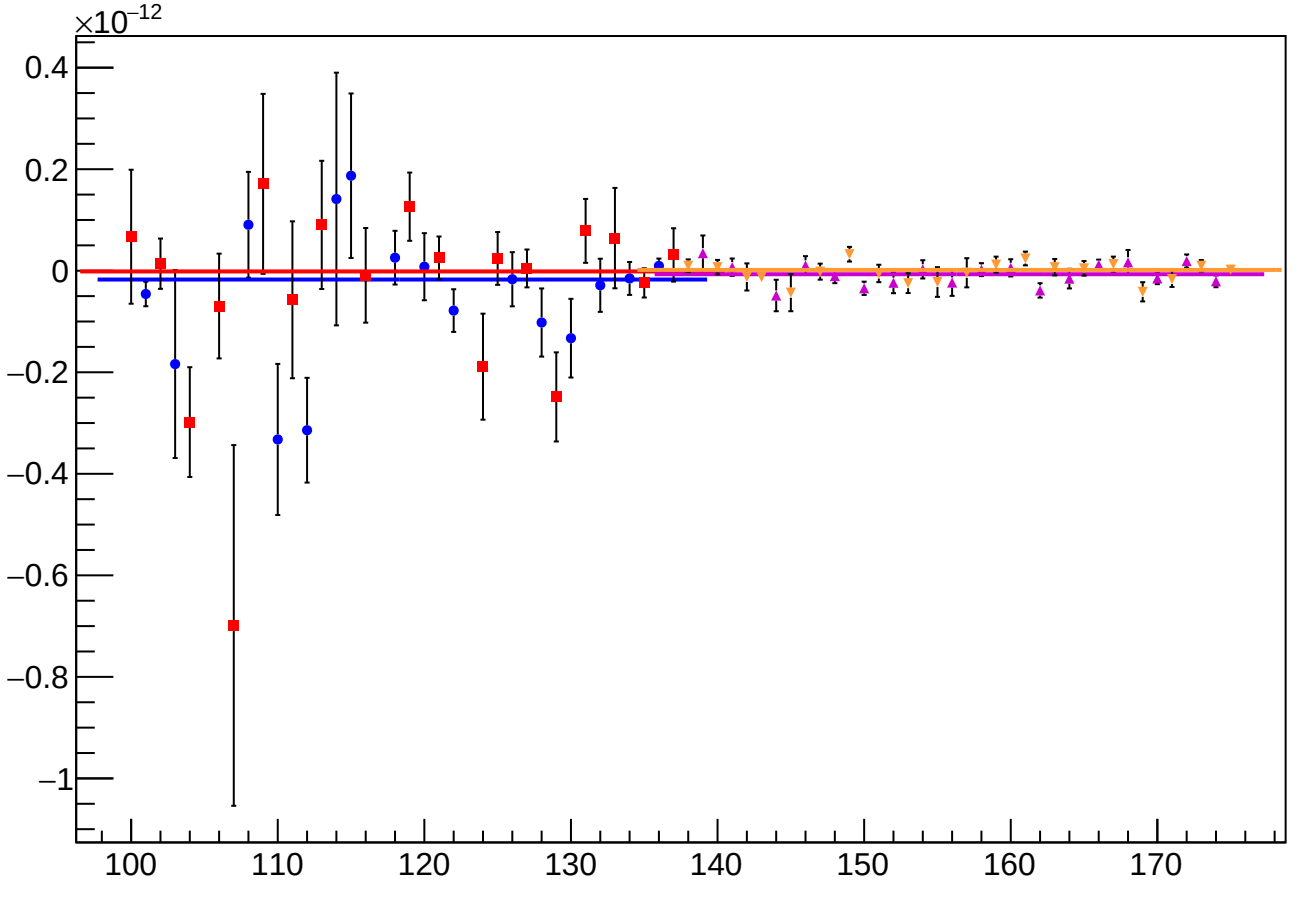
Left: 56.998+/-0.008 χ^2/NDF: 2898035.6/36

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.500+/-0.010 χ^2/NDF:3503267.7/33

Out: 59.254+/-0.010 χ^2/NDF:5172205.7/36

All: 59.880+/-0.007 χ^2/NDF: 8682731.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.2/17

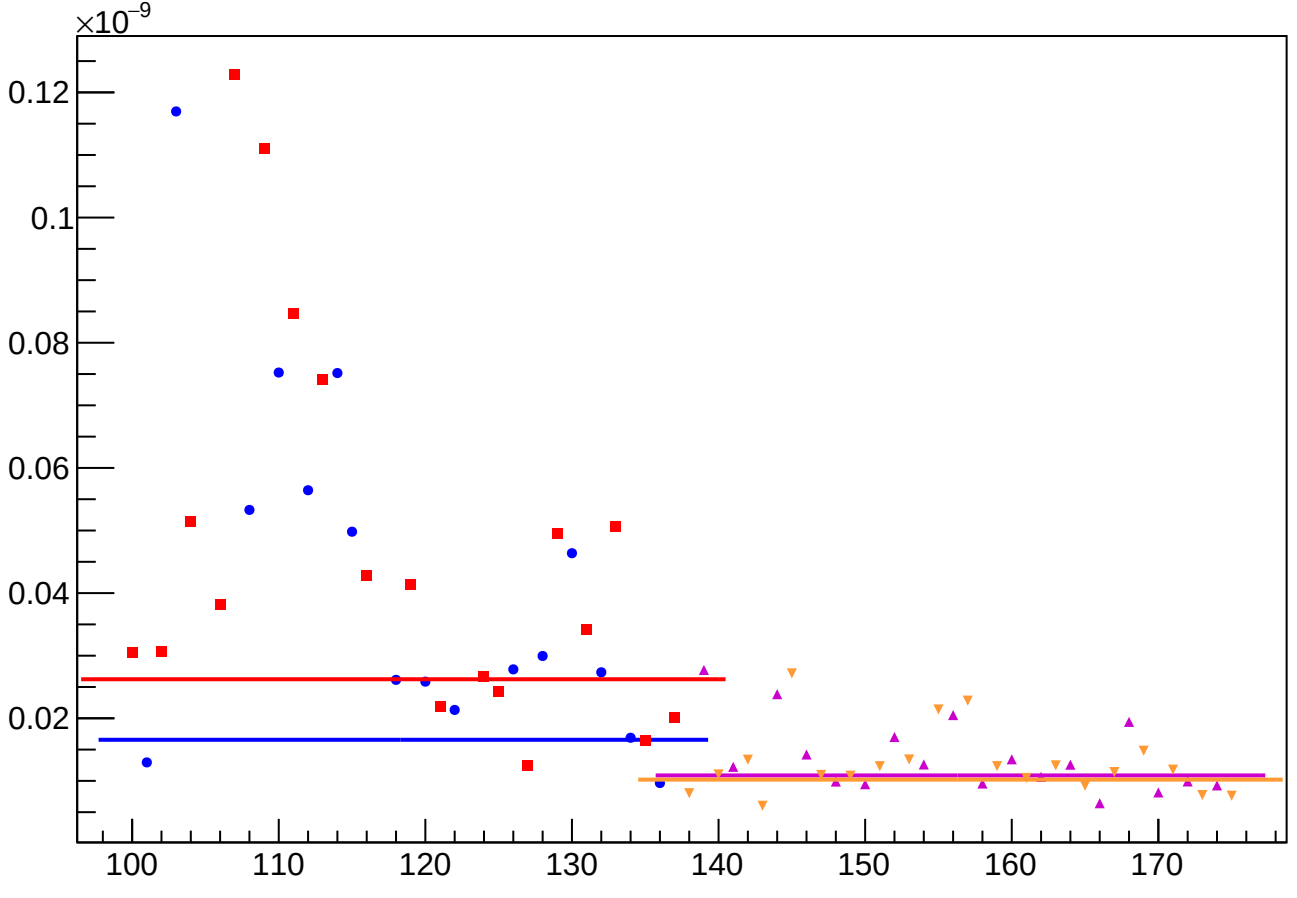
Left: -0.000+/-0.000 χ^2/NDF: 53.2/37

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:56.4/33

Out: 0.000+/-0.000 χ^2/NDF:55.3/38

All: -0.000+/-0.000 χ^2/NDF: 115.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187048.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2273484.0/17

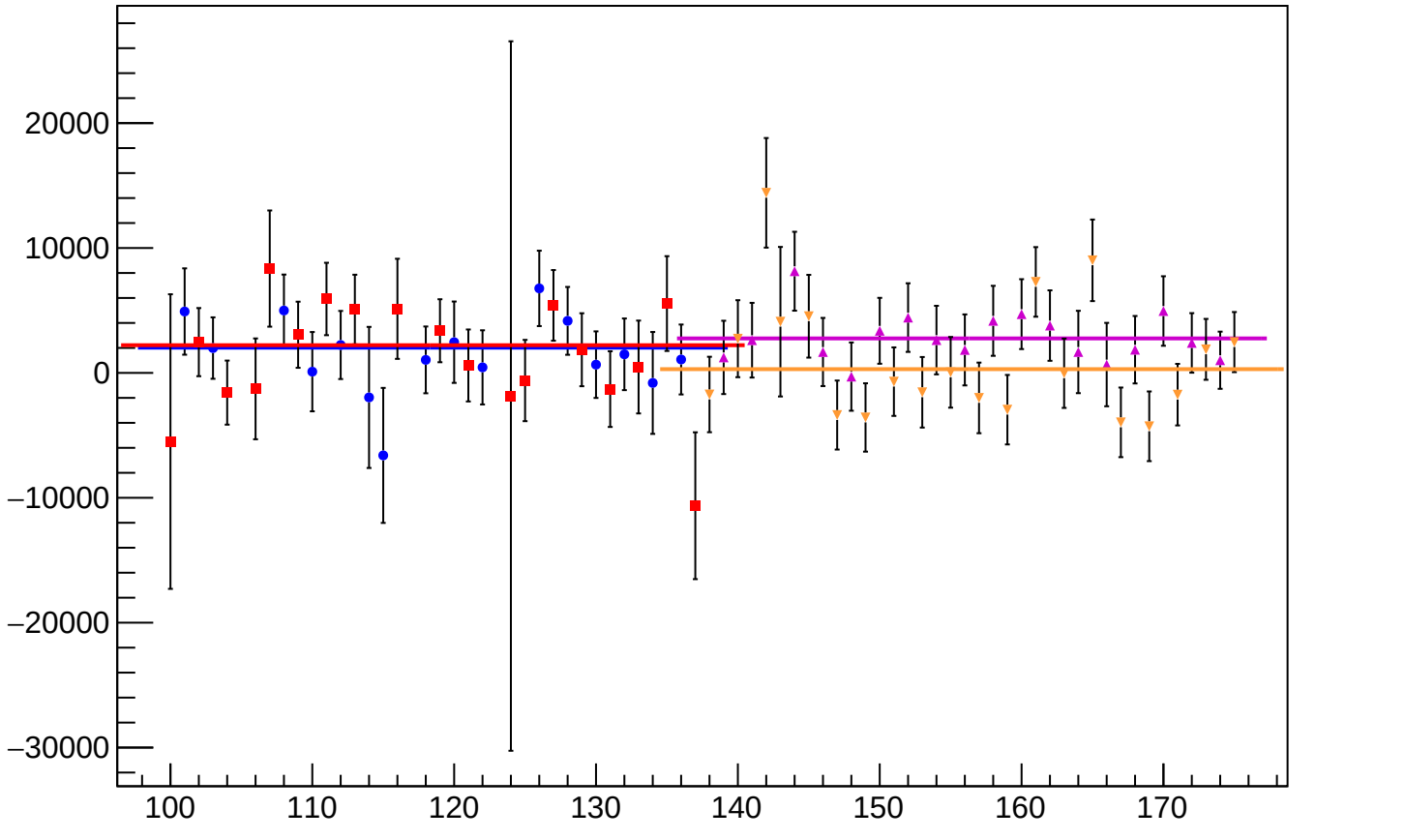
Left: 0.000+/-0.000 χ^2/NDF: 4497565.4/37

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5671816.5/33

Out: 0.000+/-0.000 χ^2/NDF:6934161.1/38

All: 0.000+/-0.000 χ^2/NDF: 12629785.0/72



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.766+/-645.075 χ^2/NDF:40.2/19

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2760.938+/-655.856 χ^2/NDF:7.8/17

Left: 1509.956+/-459.901 χ^2/NDF: 55.2/37

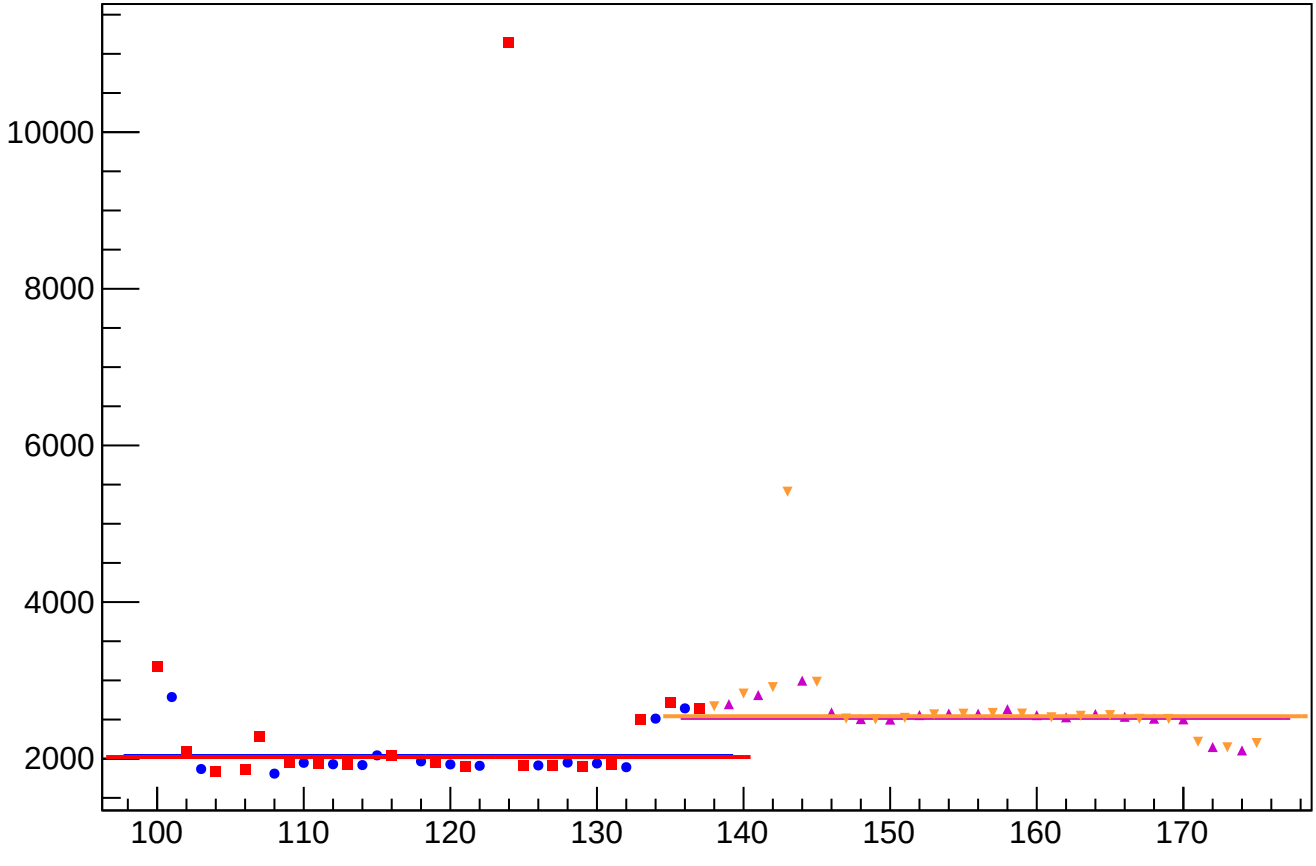
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2447.887+/-497.740 χ^2/NDF:18.0/33

Out: 1107.476+/-490.752 χ^2/NDF:62.1/38

All: 1768.206+/-349.459 χ^2/NDF: 83.7/72

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2542.432+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

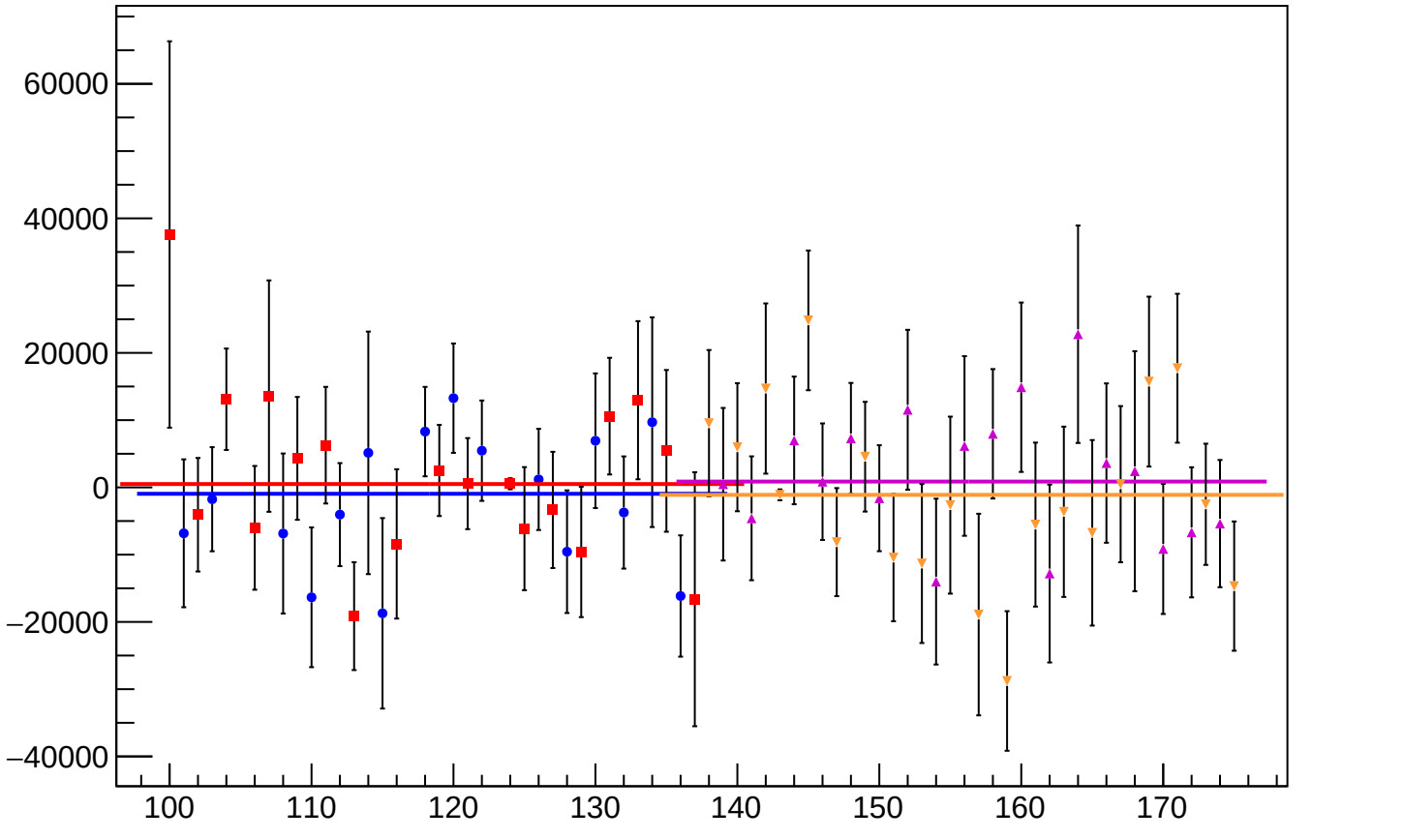
Left: 2532.183+/-0.325 χ^2/NDF: 855110.0/37

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2314.896+/-0.352 χ^2/NDF:925011.1/33

Out: 2323.018+/-0.347 χ^2/NDF:1600101.8/38

All: 2319.014+/-0.247 χ^2/NDF: 2525383.0/72



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1107.788+/-766.625 χ^2/NDF:27.9/19

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 866.826+/-2472.618 χ^2/NDF:10.8/17

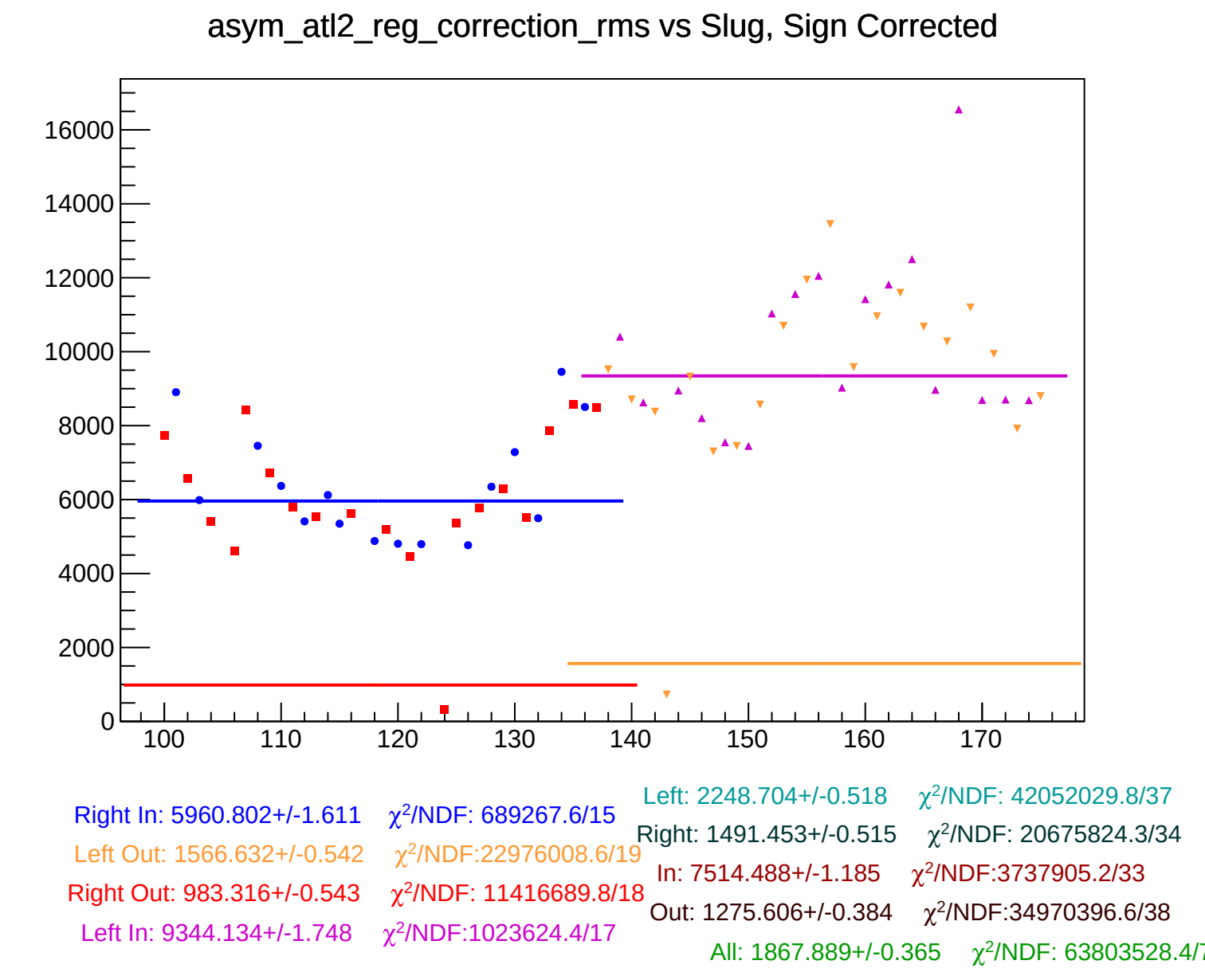
Left: -934.618+/-732.238 χ^2/NDF: 39.2/37

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

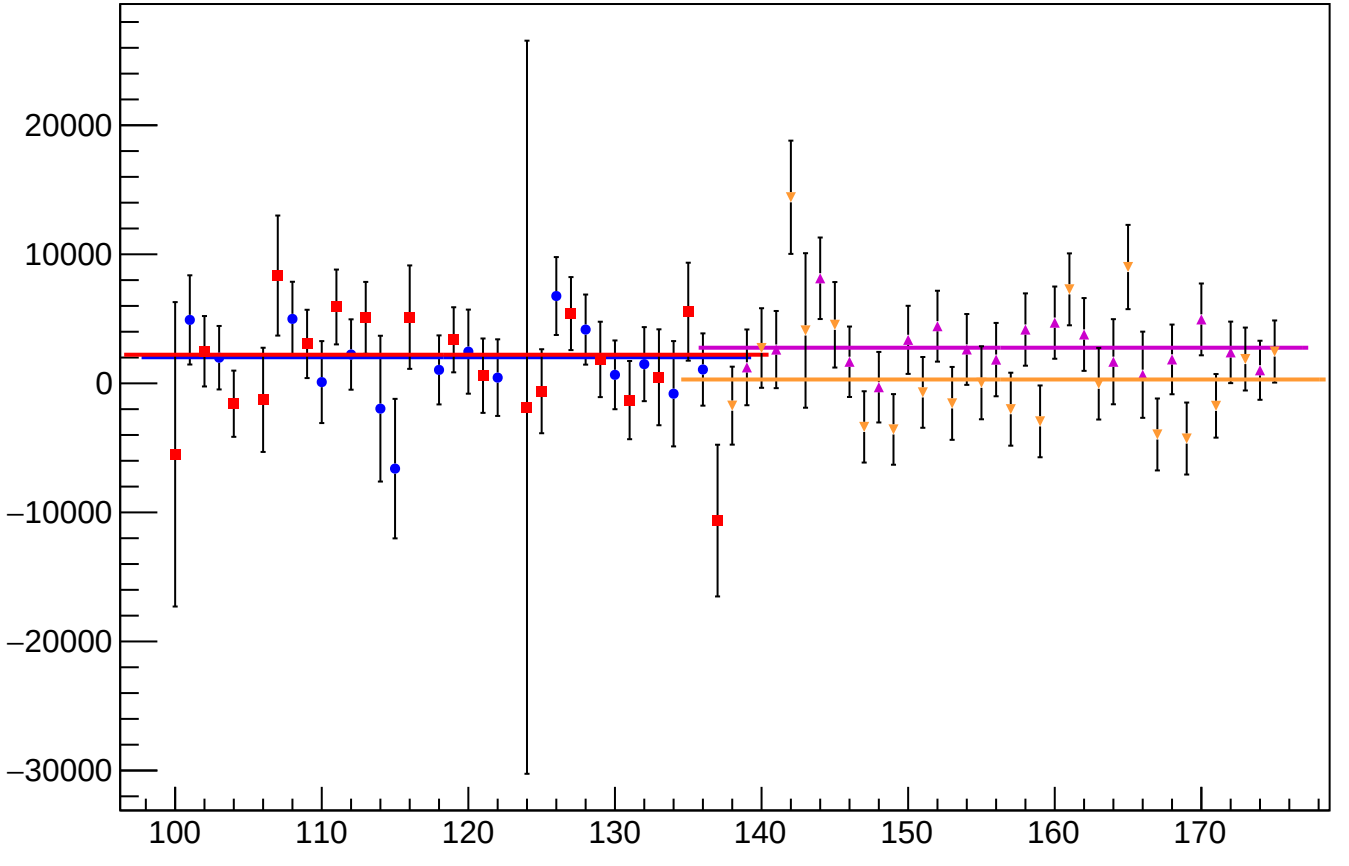
In: -115.962+/-1675.584 χ^2/NDF:26.4/33

Out: -306.959+/-542.672 χ^2/NDF:48.5/38

All: -288.827+/-516.271 χ^2/NDF: 74.9/72


asym_atl2_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
110
120
130
140
150
160
170
Right In: 5960.802+/-1.611 χ²/NDF: 689267.6/15
Left Out: 1566.632+/-0.542 χ²/NDF:22976008.6/19
Right Out: 983.316+/-0.543 χ²/NDF: 11416689.8/18
Left In: 9344.134+/-1.748 χ²/NDF:1023624.4/17
Left: 2248.704+/-0.518 χ²/NDF: 42052029.8/37
Right: 1491.453+/-0.515 χ²/NDF: 20675824.3/34
In: 7514.488+/-1.185 χ²/NDF:3737905.2/33
Out: 1275.606+/-0.384 χ²/NDF:34970396.6/38
All: 1867.889+/-0.365 χ²/NDF: 63803528.4/7

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2760.973+/-655.856 χ^2/NDF:7.8/17

Left: 1509.991+/-459.901 χ^2/NDF: 55.2/37

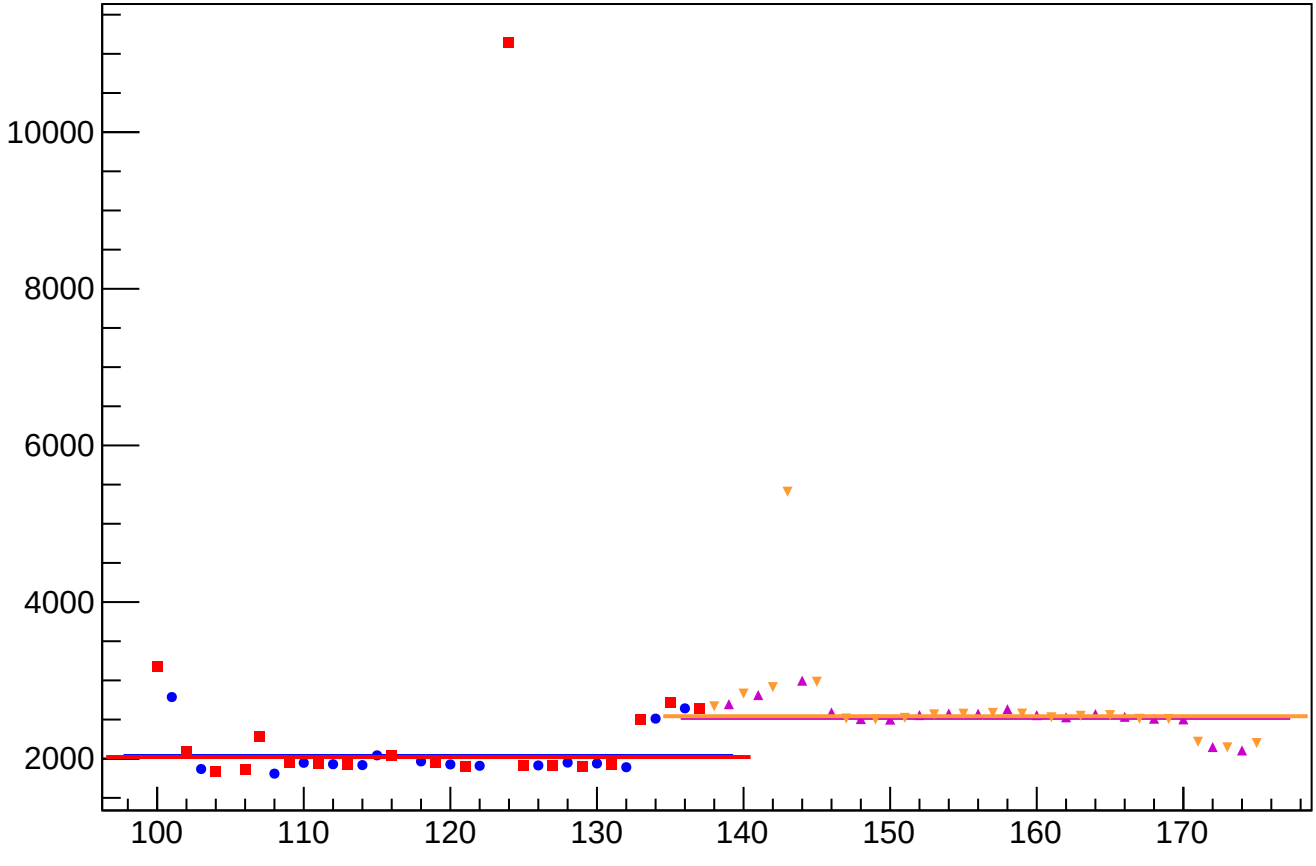
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2447.961+/-497.740 χ^2/NDF:18.0/33

Out: 1108.260+/-490.754 χ^2/NDF:62.1/38

All: 1768.644+/-349.459 χ^2/NDF: 83.7/72

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

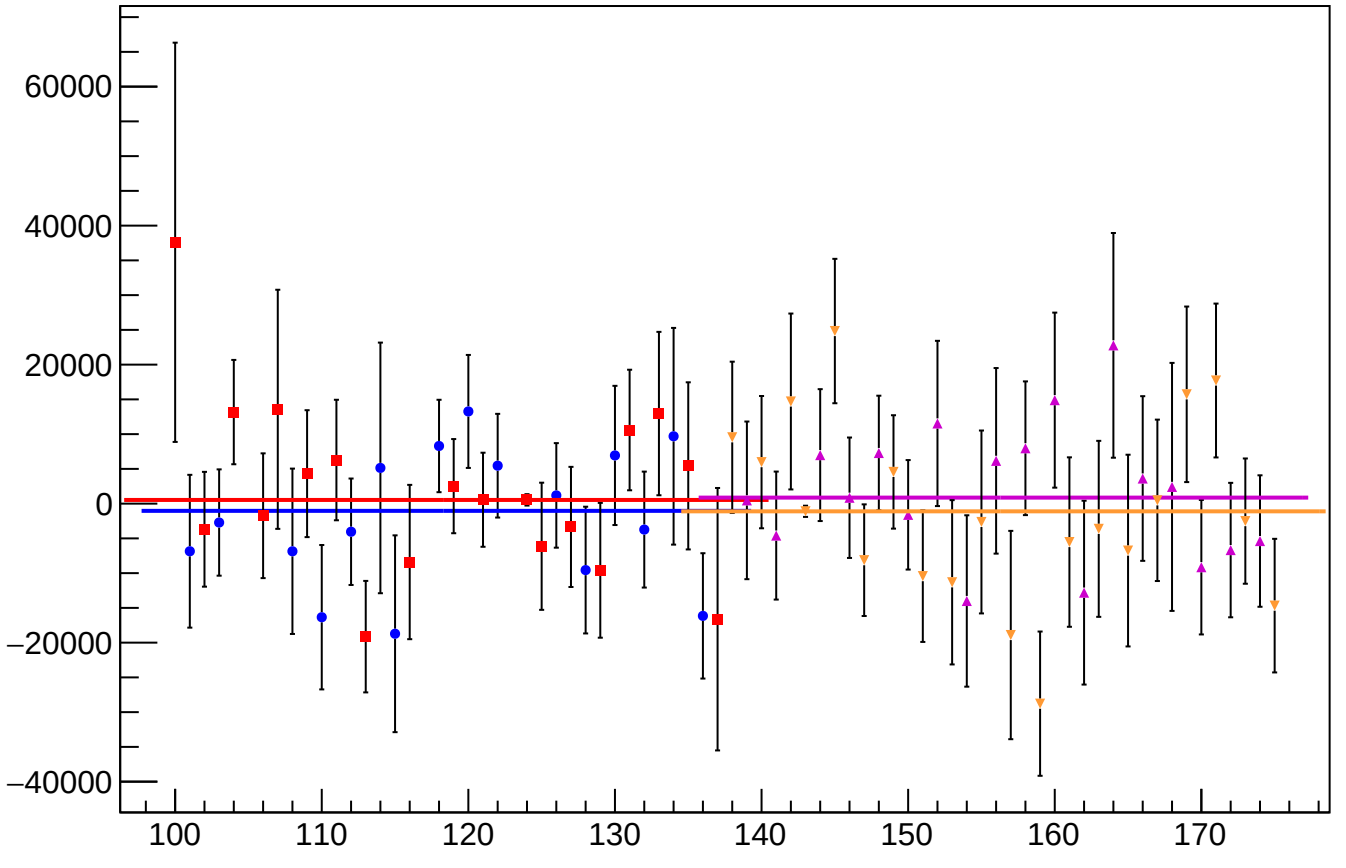
Left: 2532.183+/-0.325 χ^2/NDF: 855110.0/37

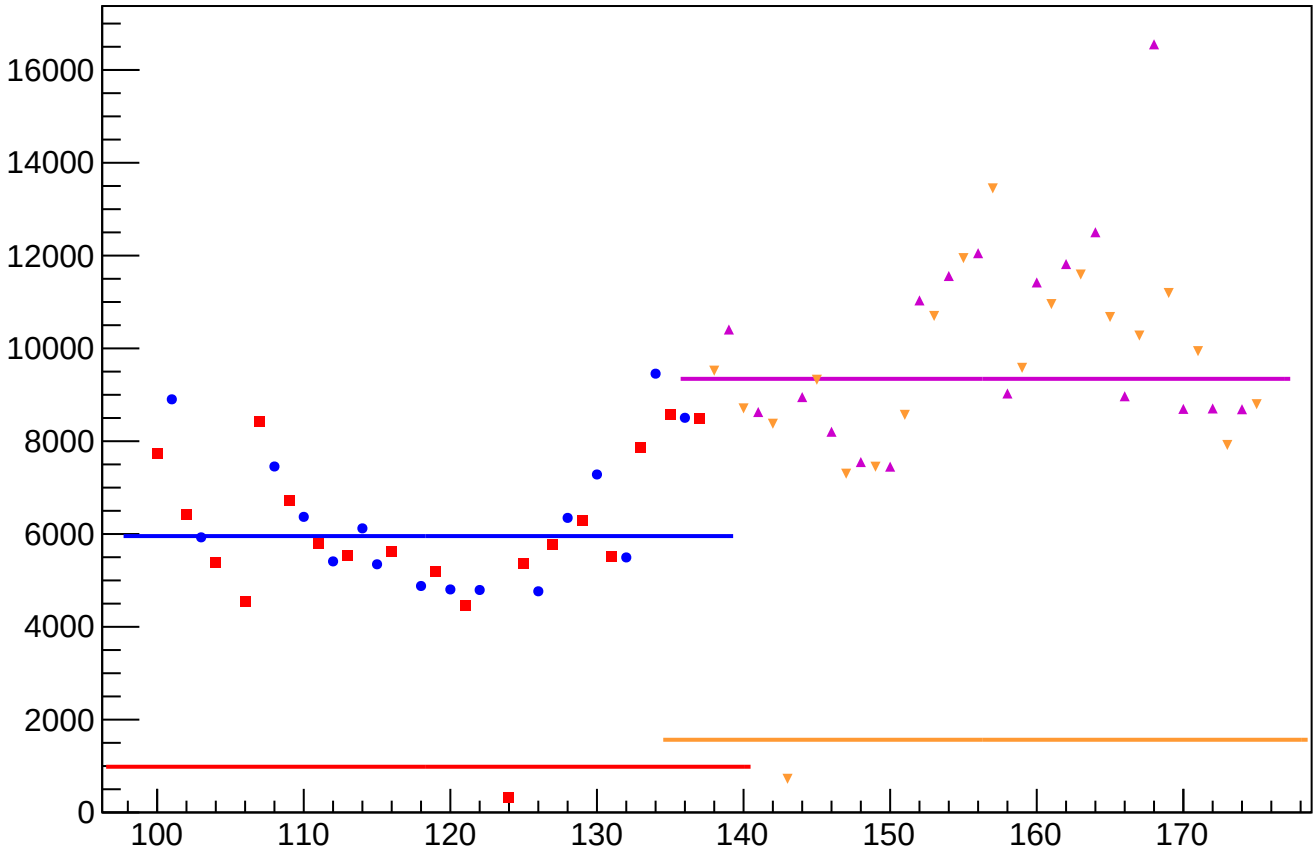
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.896+/-0.352 χ^2/NDF:925011.3/33

Out: 2323.030+/-0.347 χ^2/NDF:1600061.8/38

All: 2319.020+/-0.247 χ^2/NDF: 2525343.8/72


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1107.555+/-766.558 χ²/NDF:27.9/19
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 866.933+/-2472.616 χ²/NDF:10.8/17
Left: -934.423+/-732.179 χ²/NDF: 39.2/37
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -164.165+/-1674.648 χ²/NDF:26.5/33
Out: -289.930+/-542.529 χ²/NDF:48.2/38
All: -277.984+/-516.120 χ²/NDF: 74.6/72



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

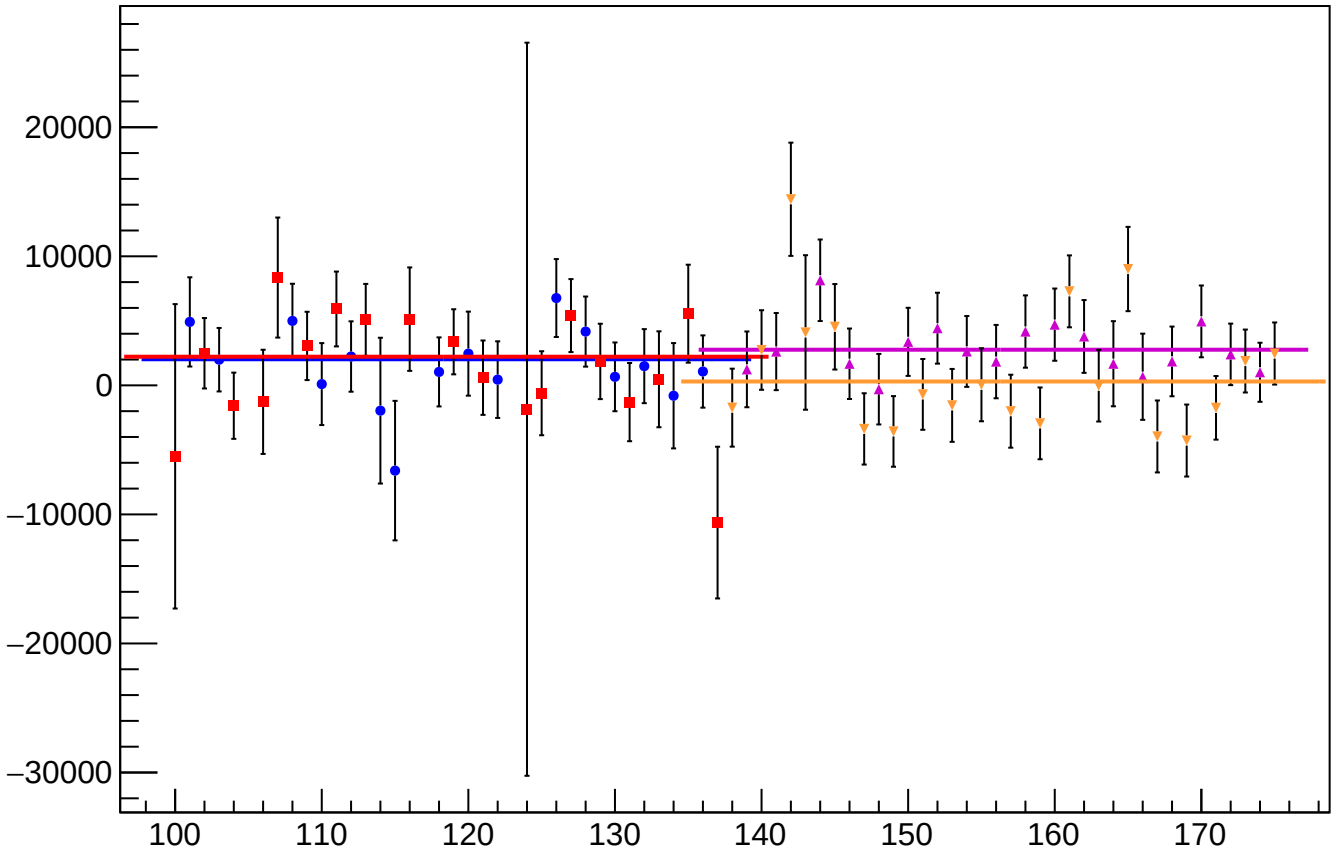
Left: 2248.405+/-0.518 χ^2/NDF: 42054049.0/37

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7509.956+/-1.184 χ^2/NDF:3745888.6/33

Out: 1276.260+/-0.384 χ^2/NDF:34963800.0/38

All: 1868.367+/-0.365 χ^2/NDF: 63789828.3/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2760.973+/-655.856 χ^2/NDF:7.8/17

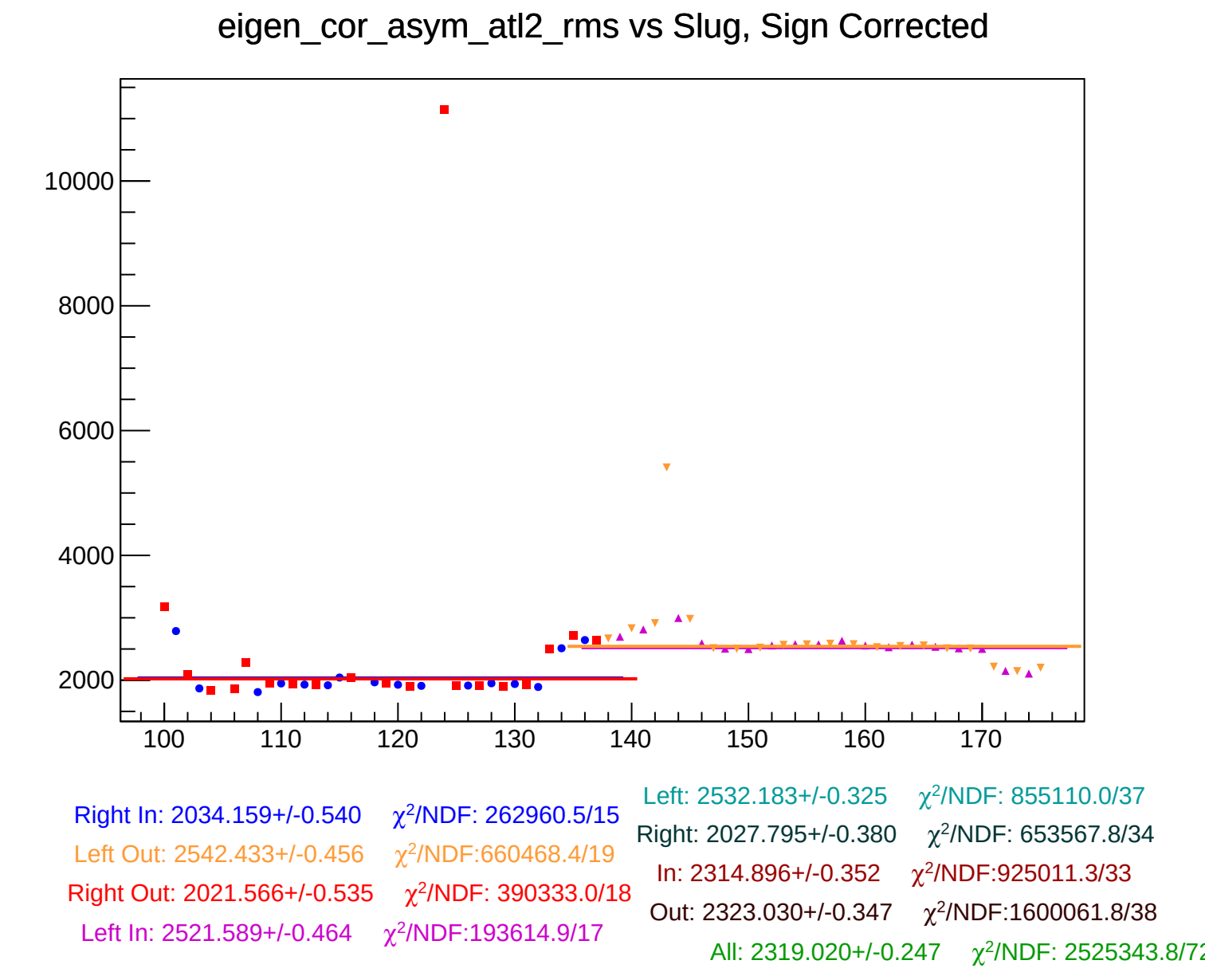
Left: 1509.991+/-459.901 χ^2/NDF: 55.2/37

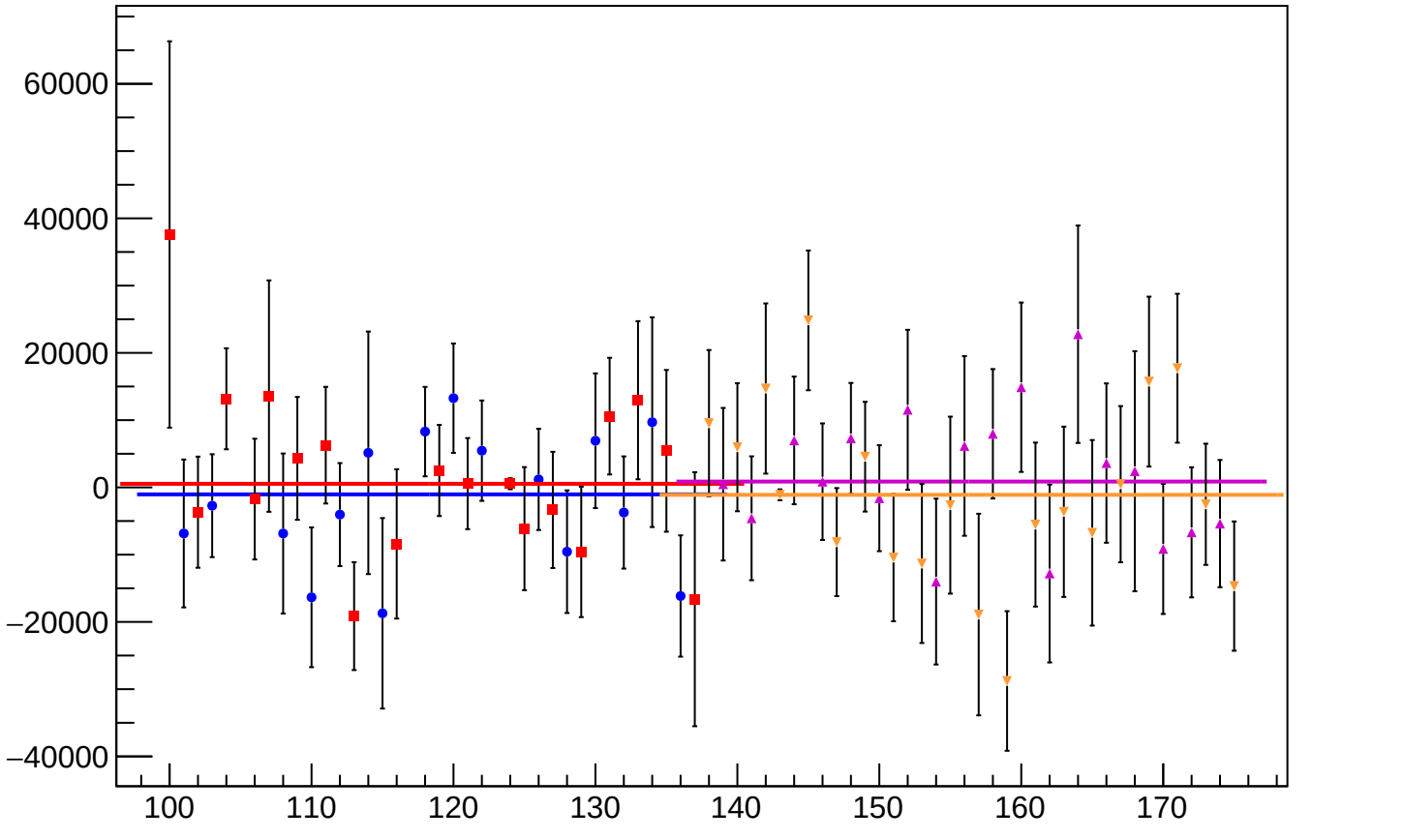
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

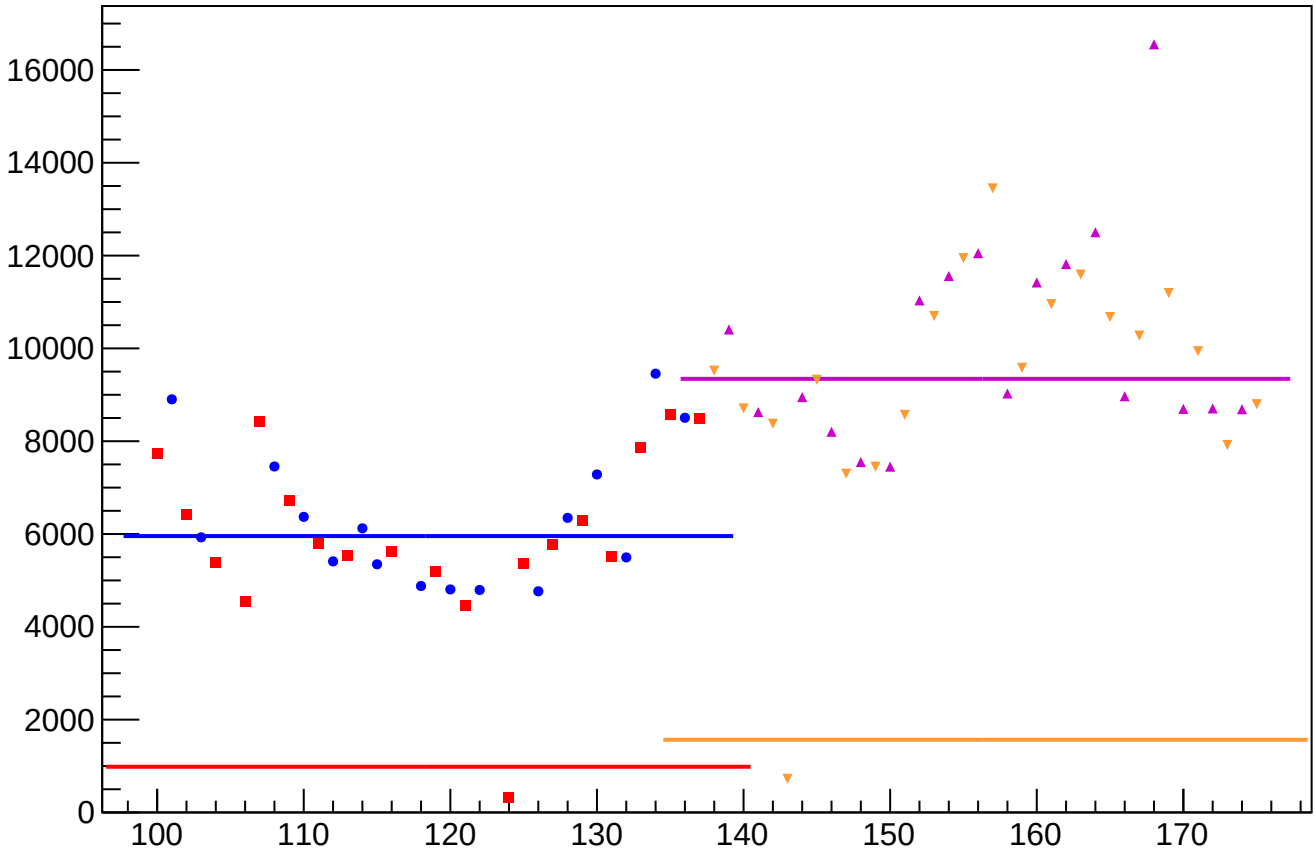
In: 2447.961+/-497.740 χ^2/NDF:18.0/33

Out: 1108.260+/-490.754 χ^2/NDF:62.1/38

All: 1768.644+/-349.459 χ^2/NDF: 83.7/72


eigen_cor_asym_atl2_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 2034.159+/-0.540 χ²/NDF: 262960.5/15
Left Out: 2542.433+/-0.456 χ²/NDF:660468.4/19
Right Out: 2021.566+/-0.535 χ²/NDF: 390333.0/18
Left In: 2521.589+/-0.464 χ²/NDF:193614.9/17
Left: 2532.183+/-0.325 χ²/NDF: 855110.0/37
Right: 2027.795+/-0.380 χ²/NDF: 653567.8/34
In: 2314.896+/-0.352 χ²/NDF:925011.3/33
Out: 2323.030+/-0.347 χ²/NDF:1600061.8/38
All: 2319.020+/-0.247 χ²/NDF: 2525343.8/72


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1107.555+/-766.558 χ²/NDF:27.9/19
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 866.933+/-2472.616 χ²/NDF:10.8/17
Left: -934.423+/-732.179 χ²/NDF: 39.2/37
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -164.165+/-1674.648 χ²/NDF:26.5/33
Out: -289.930+/-542.529 χ²/NDF:48.2/38
All: -277.984+/-516.120 χ²/NDF: 74.6/72



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

Left: 2248.405+/-0.518 χ^2/NDF: 42054049.0/37

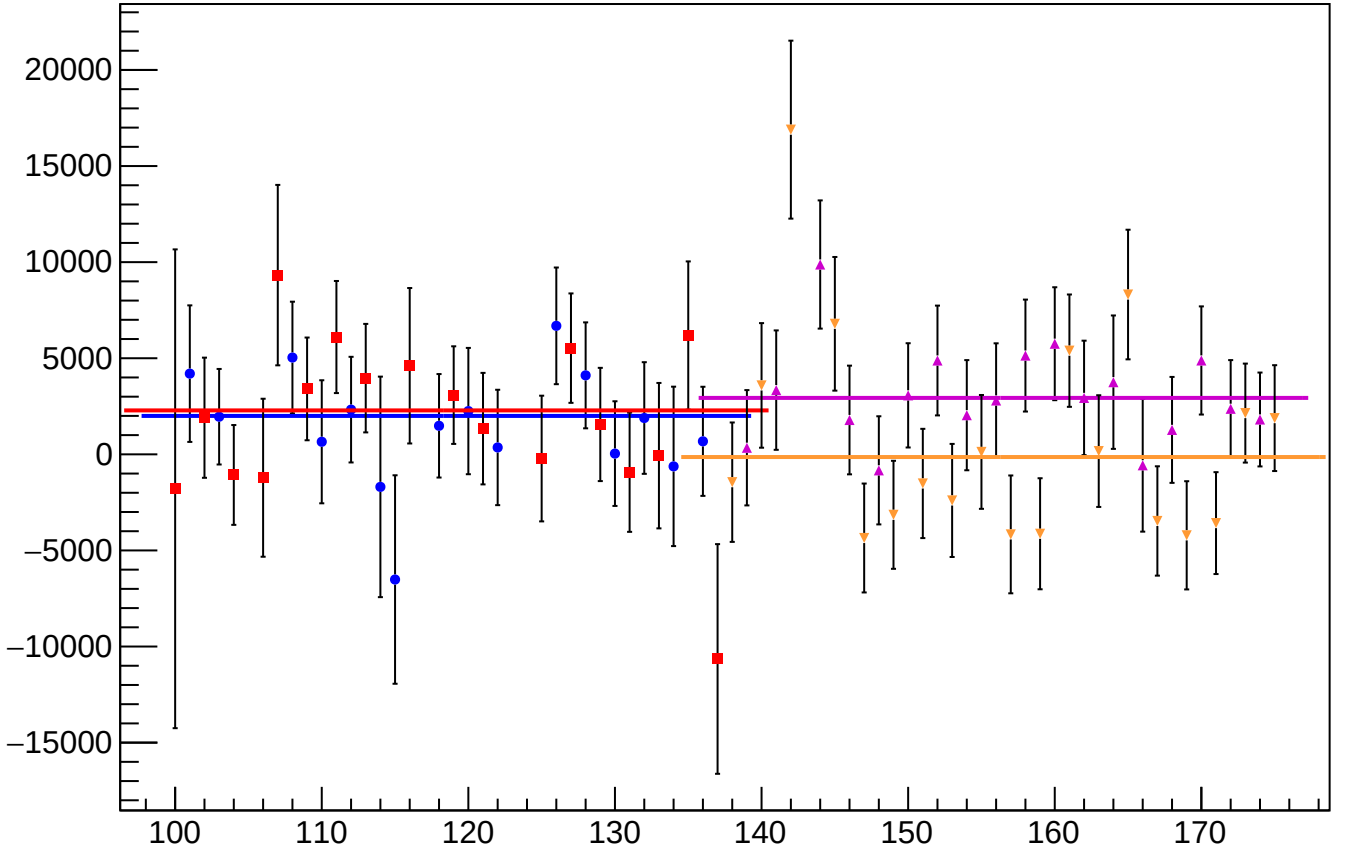
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7509.956+/-1.184 χ^2/NDF:3745888.6/33

Out: 1276.260+/-0.384 χ^2/NDF:34963800.0/38

All: 1868.367+/-0.365 χ^2/NDF: 63789828.3/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.468+/-680.886 χ^2/NDF:43.2/18

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2936.298+/-682.919 χ^2/NDF:11.3/17

Left: 1393.330+/-482.176 χ^2/NDF: 64.7/36

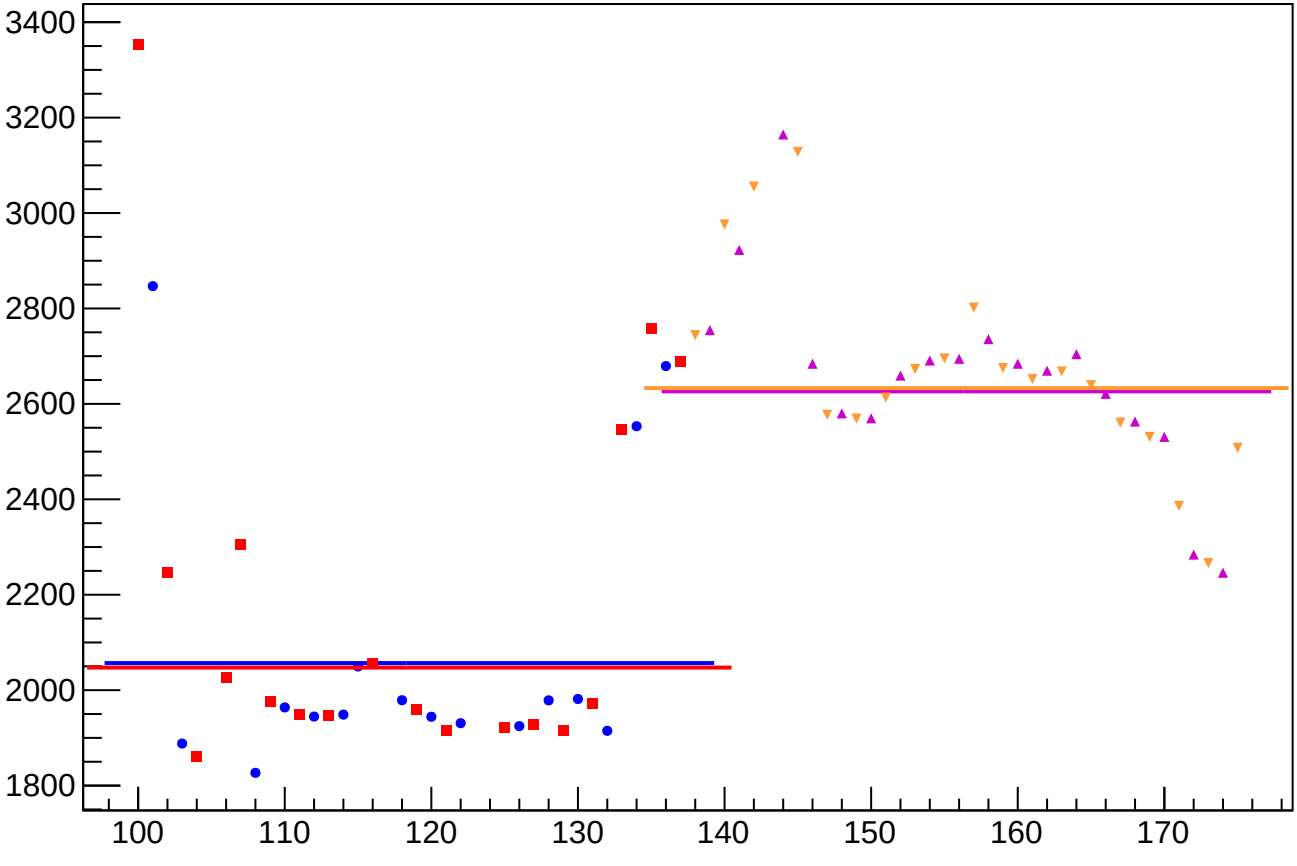
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2525.836+/-511.952 χ^2/NDF:21.1/33

Out: 922.234+/-510.446 χ^2/NDF:65.4/36

All: 1721.674+/-361.471 χ^2/NDF: 91.5/70

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.105+/-0.481 χ^2/NDF:158151.6/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2626.241+/-0.483 χ^2/NDF:171883.5/17

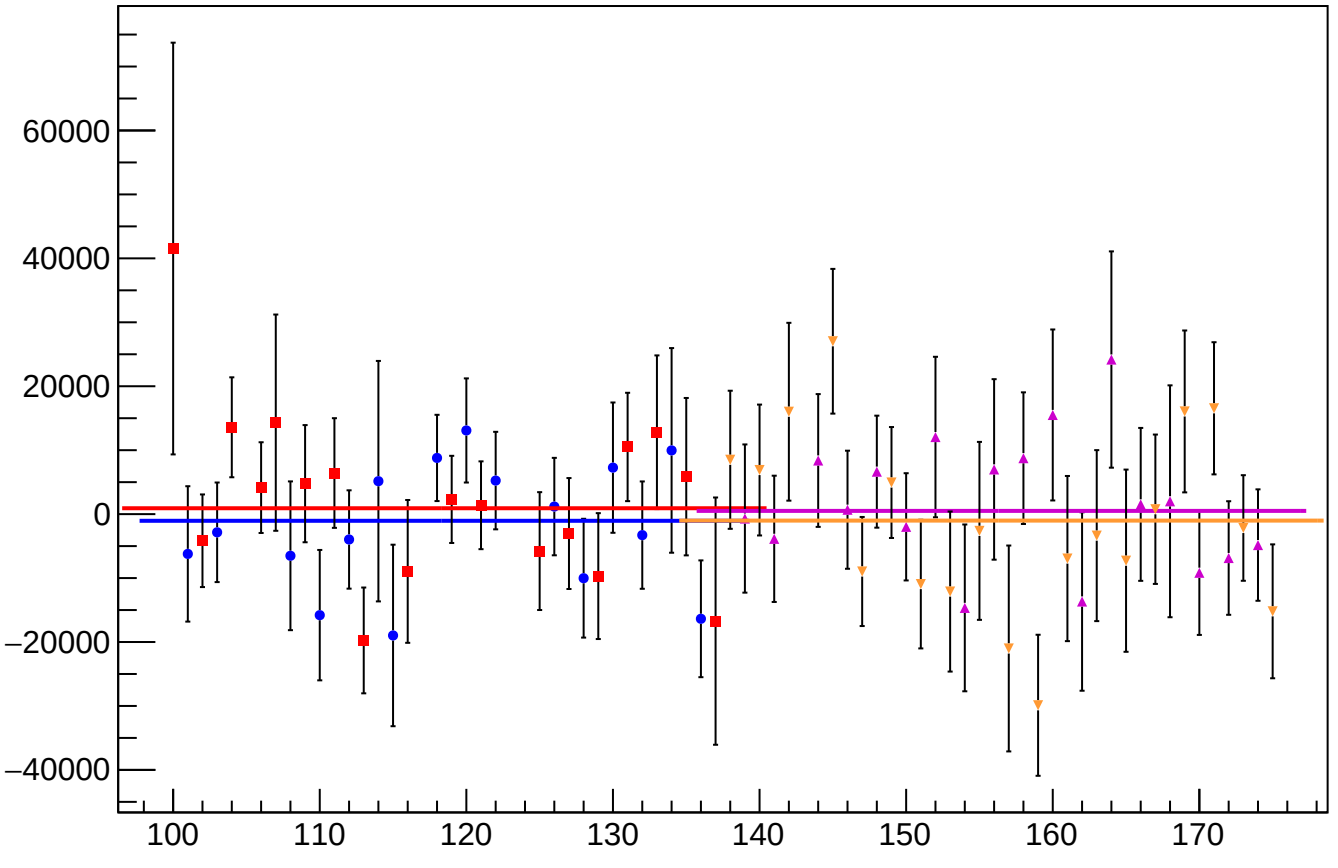
Left: 2629.684+/-0.341 χ^2/NDF: 330136.5/36

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2376.812+/-0.362 χ^2/NDF:1051442.7/33

Out: 2376.142+/-0.361 χ^2/NDF:1003953.6/36

All: 2376.476+/-0.256 χ^2/NDF: 2055398.0/70



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1011.273+/-2540.991 χ^2/NDF:27.6/18

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 505.442+/-2553.810 χ^2/NDF:10.7/17

Left: -256.732+/-1801.267 χ^2/NDF: 38.5/36

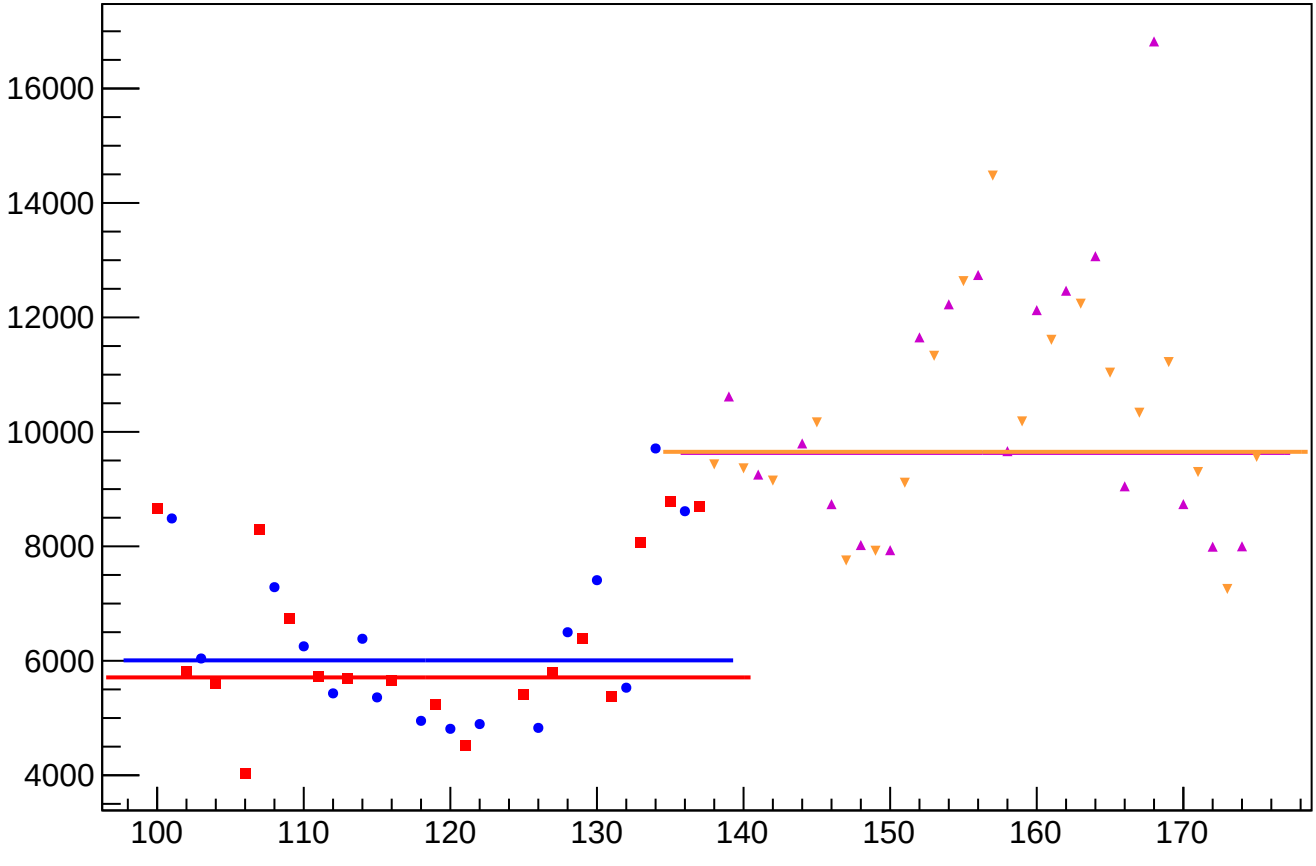
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -351.057+/-1706.838 χ^2/NDF:26.3/33

Out: 113.636+/-1641.701 χ^2/NDF:46.2/36

All: -109.674+/-1183.215 χ^2/NDF: 72.5/70

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9651.567+/-1.797 χ^2/NDF:853885.2/18

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9632.290+/-1.806 χ^2/NDF:1123642.6/17

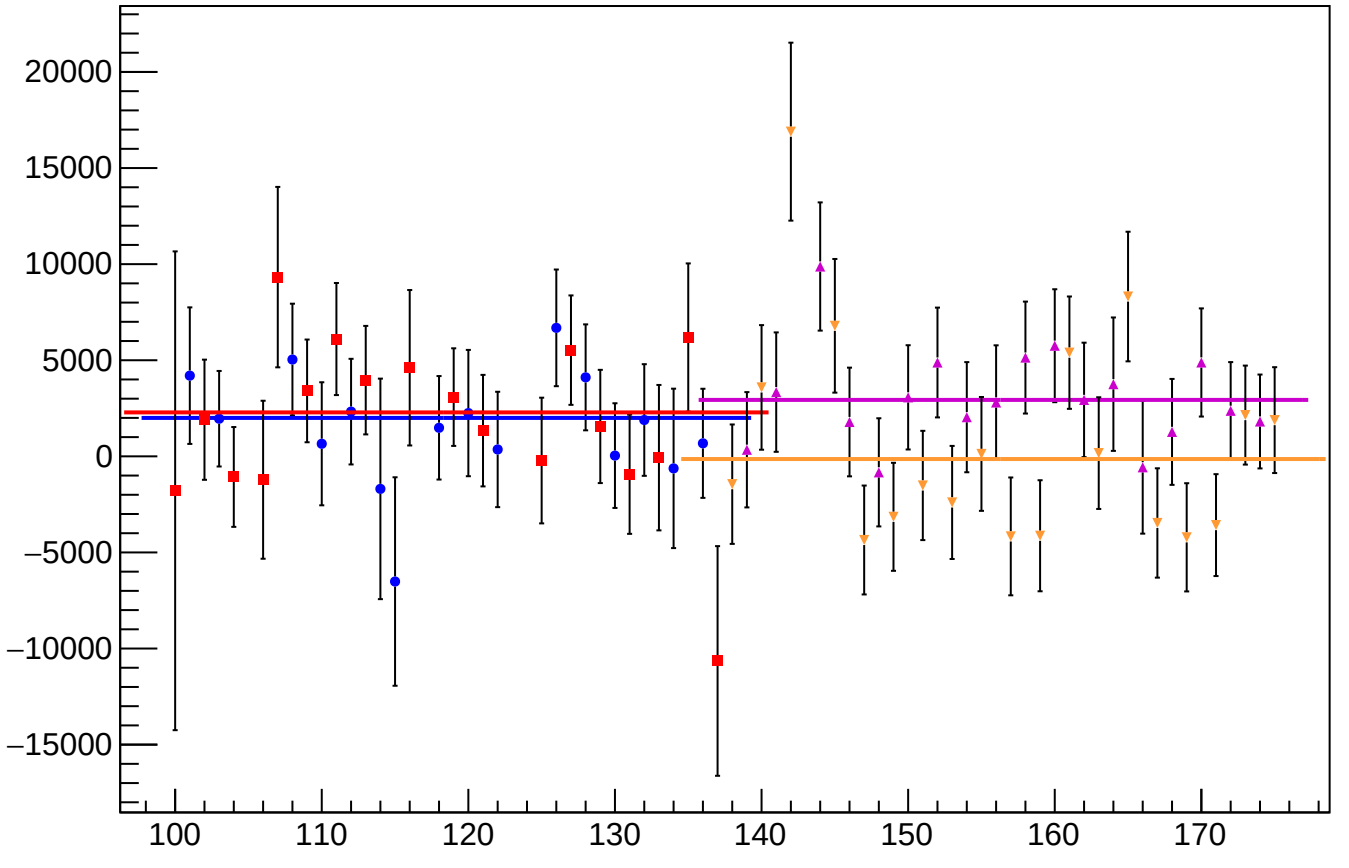
Left: 9641.977+/-1.274 χ^2/NDF: 1977585.1/36

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

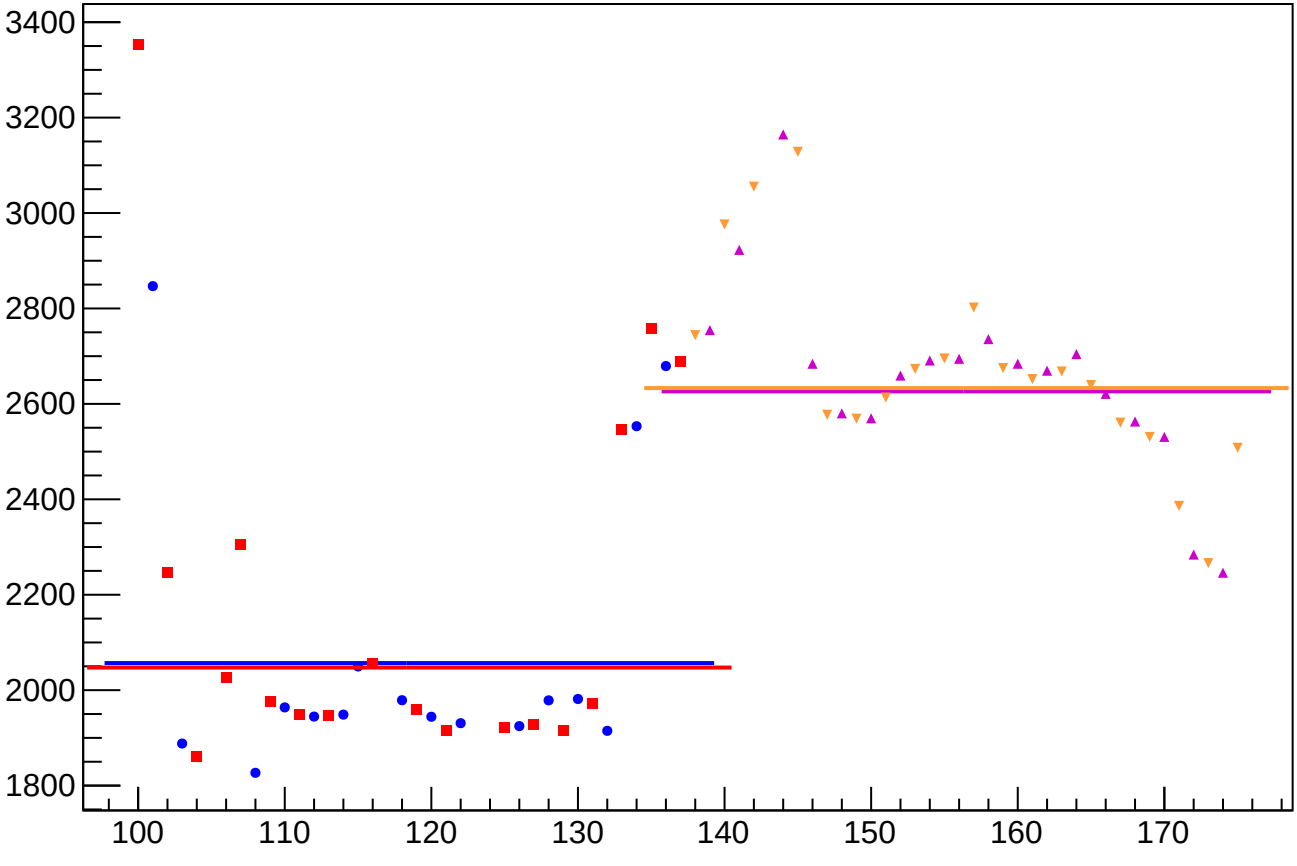
In: 7626.619+/-1.207 χ^2/NDF:4007122.2/33

Out: 7355.263+/-1.161 χ^2/NDF:4193517.1/36

All: 7485.665+/-0.837 χ^2/NDF: 8226897.4/70


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: -140.475+/-680.886 χ²/NDF:43.2/18
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 2936.297+/-682.919 χ²/NDF:11.3/17
Left: 1393.326+/-482.176 χ²/NDF: 64.7/36
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2525.837+/-511.952 χ²/NDF:21.1/33
Out: 922.232+/-510.446 χ²/NDF:65.4/36
All: 1721.673+/-361.471 χ²/NDF: 91.5/70

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.106+/-0.481 χ^2/NDF:158158.2/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2626.242+/-0.483 χ^2/NDF:171890.1/17

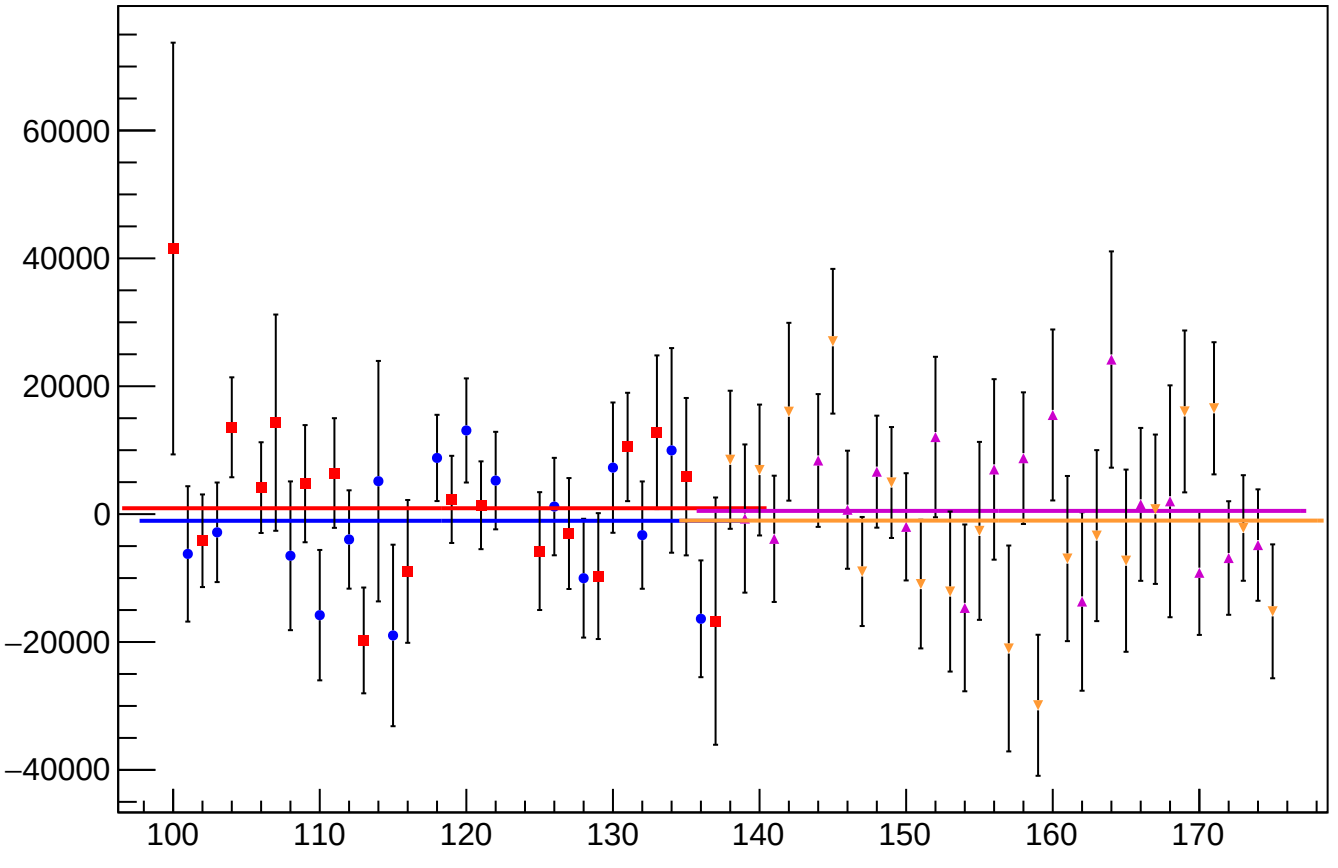
Left: 2629.684+/-0.341 χ^2/NDF: 330149.6/36

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2376.812+/-0.362 χ^2/NDF:1051449.9/33

Out: 2376.142+/-0.361 χ^2/NDF:1003961.7/36

All: 2376.476+/-0.256 χ^2/NDF: 2055413.3/70



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1011.282+/-2540.996 χ^2/NDF:27.6/18

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 505.442+/-2553.814 χ^2/NDF:10.7/17

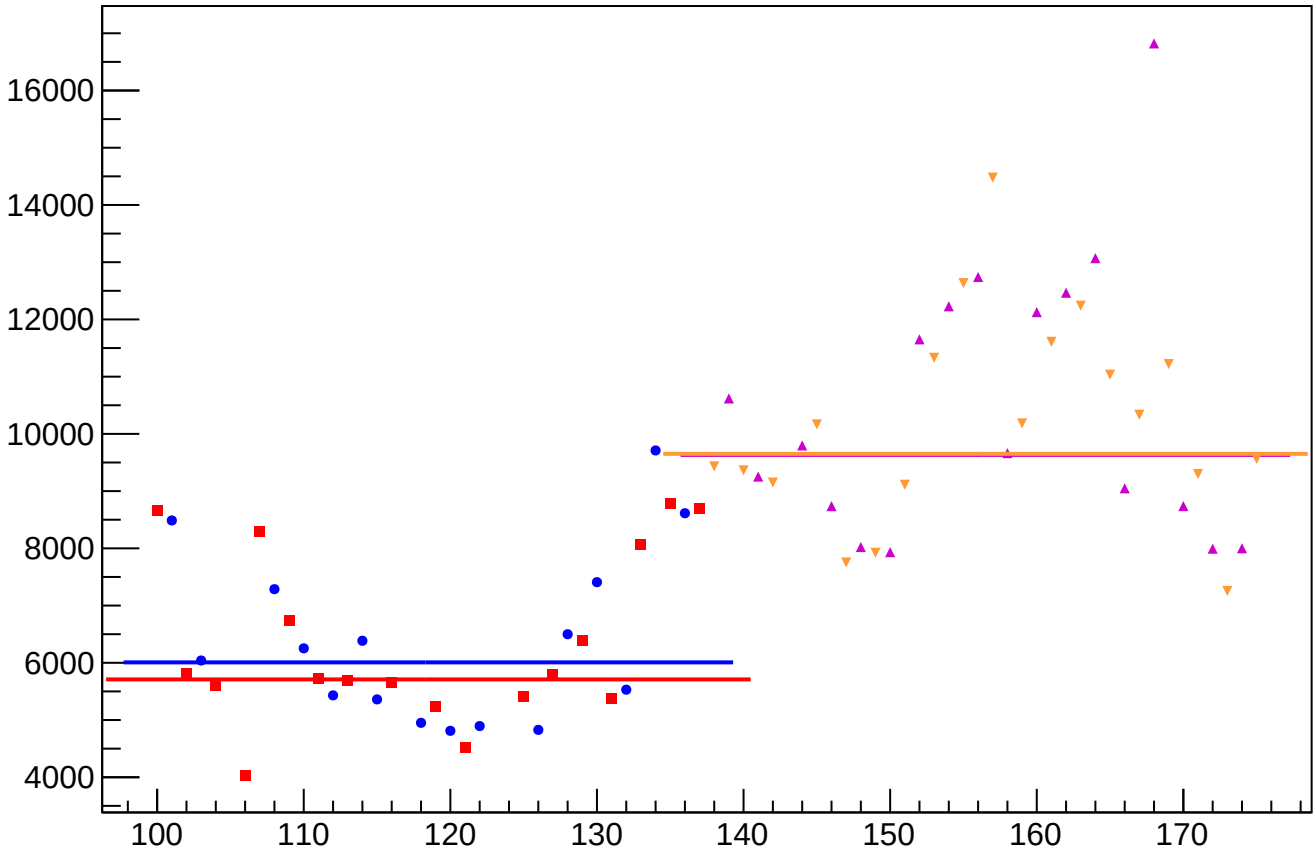
Left: -256.736+/-1801.270 χ^2/NDF: 38.5/36

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -351.053+/-1706.836 χ^2/NDF:26.3/33

Out: 113.639+/-1641.699 χ^2/NDF:46.2/36

All: -109.671+/-1183.214 χ^2/NDF: 72.5/70



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9651.584+/-1.797 χ^2/NDF:853884.7/18

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9632.305+/-1.806 χ^2/NDF:1123642.9/17

Left: 9641.993+/-1.274 χ^2/NDF: 1977584.9/36

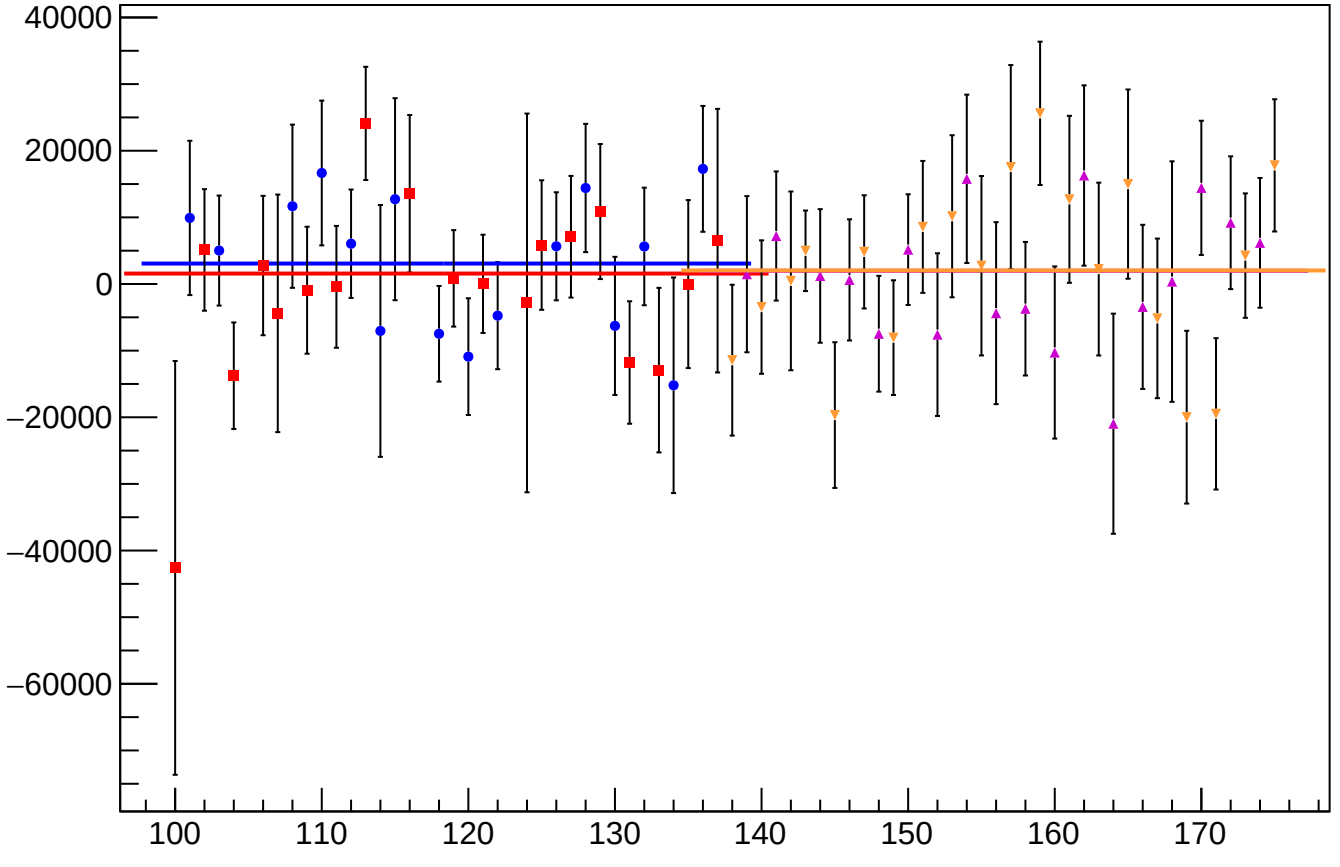
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7626.606+/-1.207 χ^2/NDF:4007175.9/33

Out: 7355.252+/-1.161 χ^2/NDF:4193569.9/36

All: 7485.652+/-0.837 χ^2/NDF: 8227003.7/70

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2033.881+/-2348.001 χ^2/NDF:25.1/19

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1978.276+/-2571.344 χ^2/NDF:10.4/17

Left: 2008.598+/-1733.880 χ^2/NDF: 35.5/37

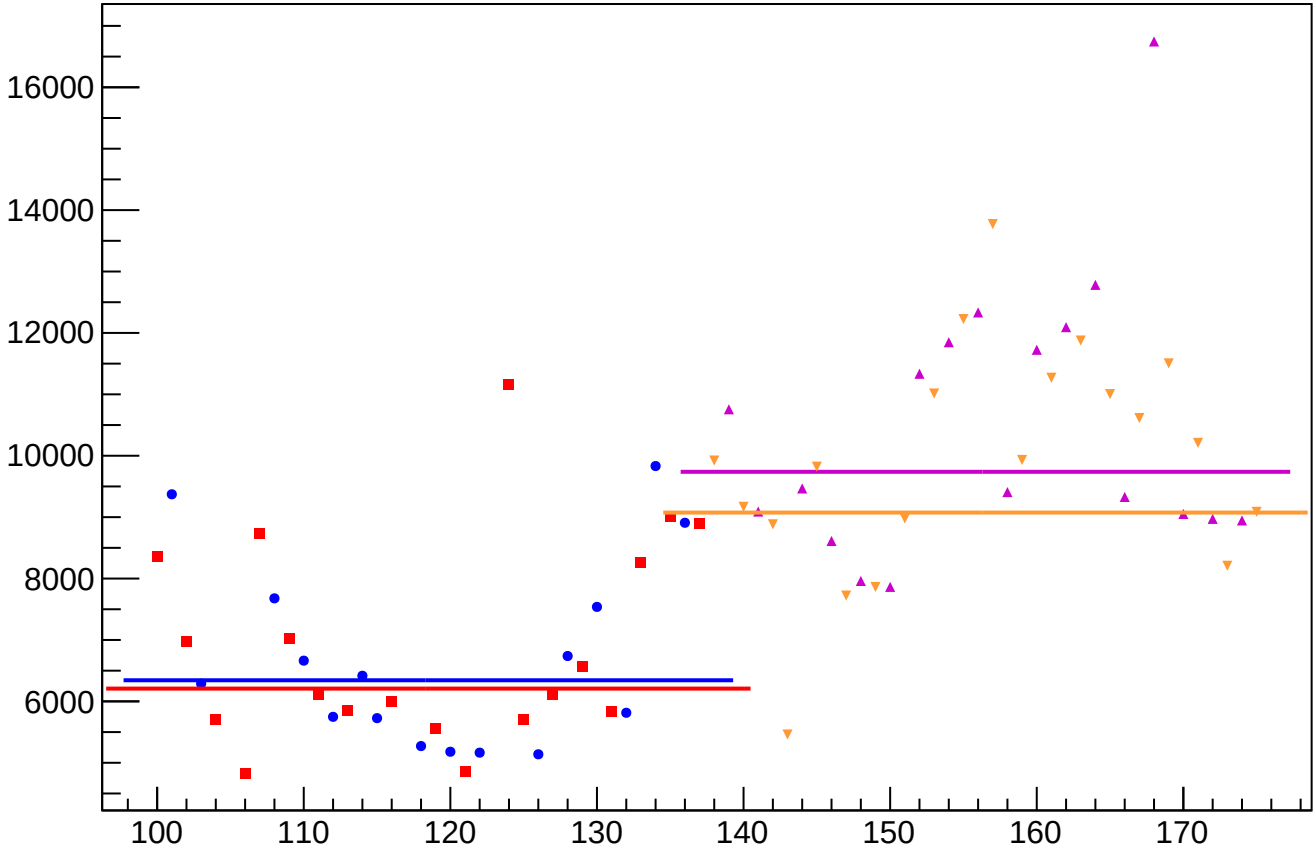
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2557.204+/-1762.553 χ^2/NDF:25.3/33

Out: 1799.277+/-1655.987 χ^2/NDF:44.3/38

All: 2154.636+/-1206.875 χ^2/NDF: 69.8/72

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9074.749+/-1.660 χ^2/NDF:1520126.8/19

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9738.503+/-1.818 χ^2/NDF:919851.3/17

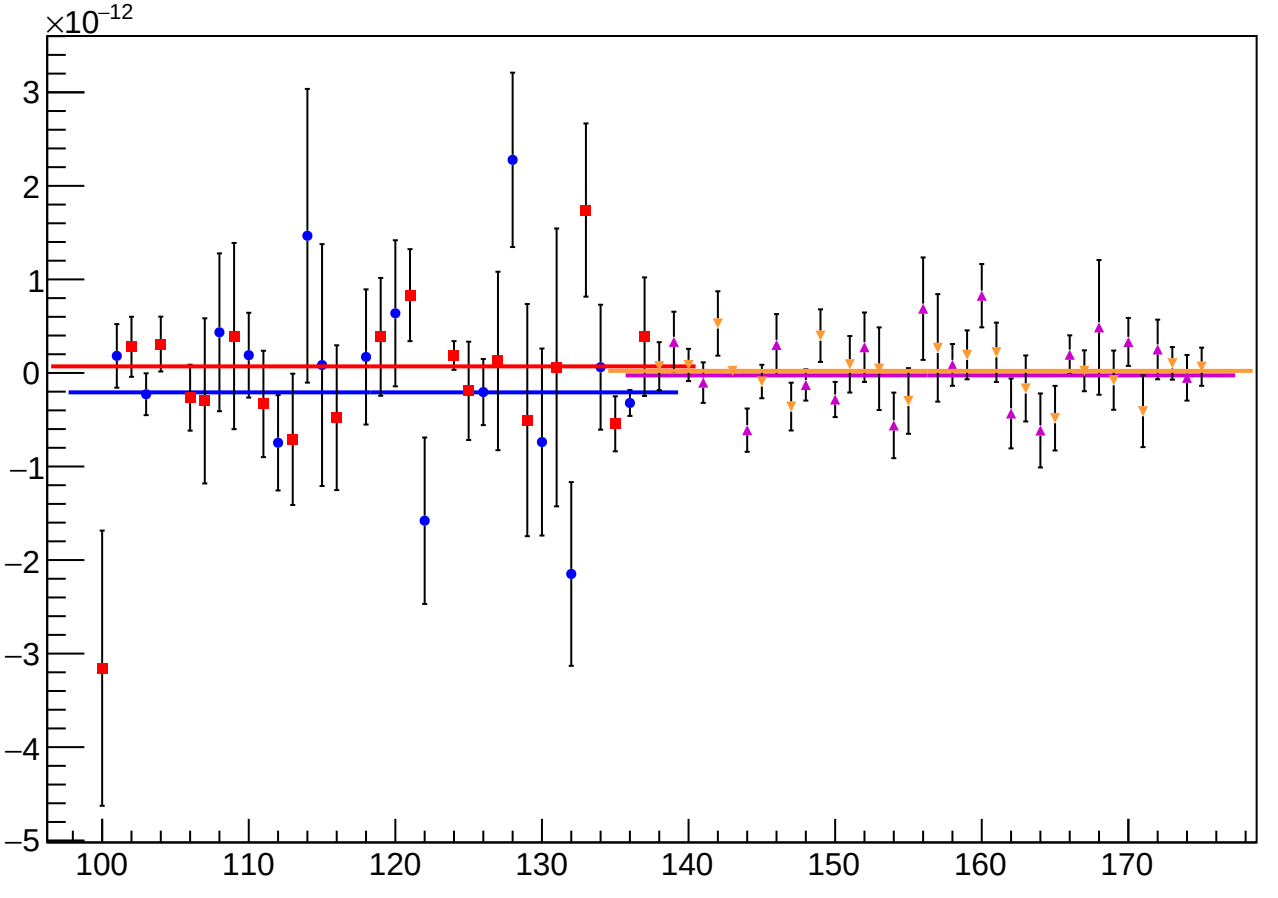
Left: 9376.553+/-1.226 χ^2/NDF: 2512649.9/37

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7938.813+/-1.246 χ^2/NDF:3389123.8/33

Out: 7634.004+/-1.171 χ^2/NDF:3490254.6/38

All: 7776.916+/-0.853 χ^2/NDF: 6911148.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/17

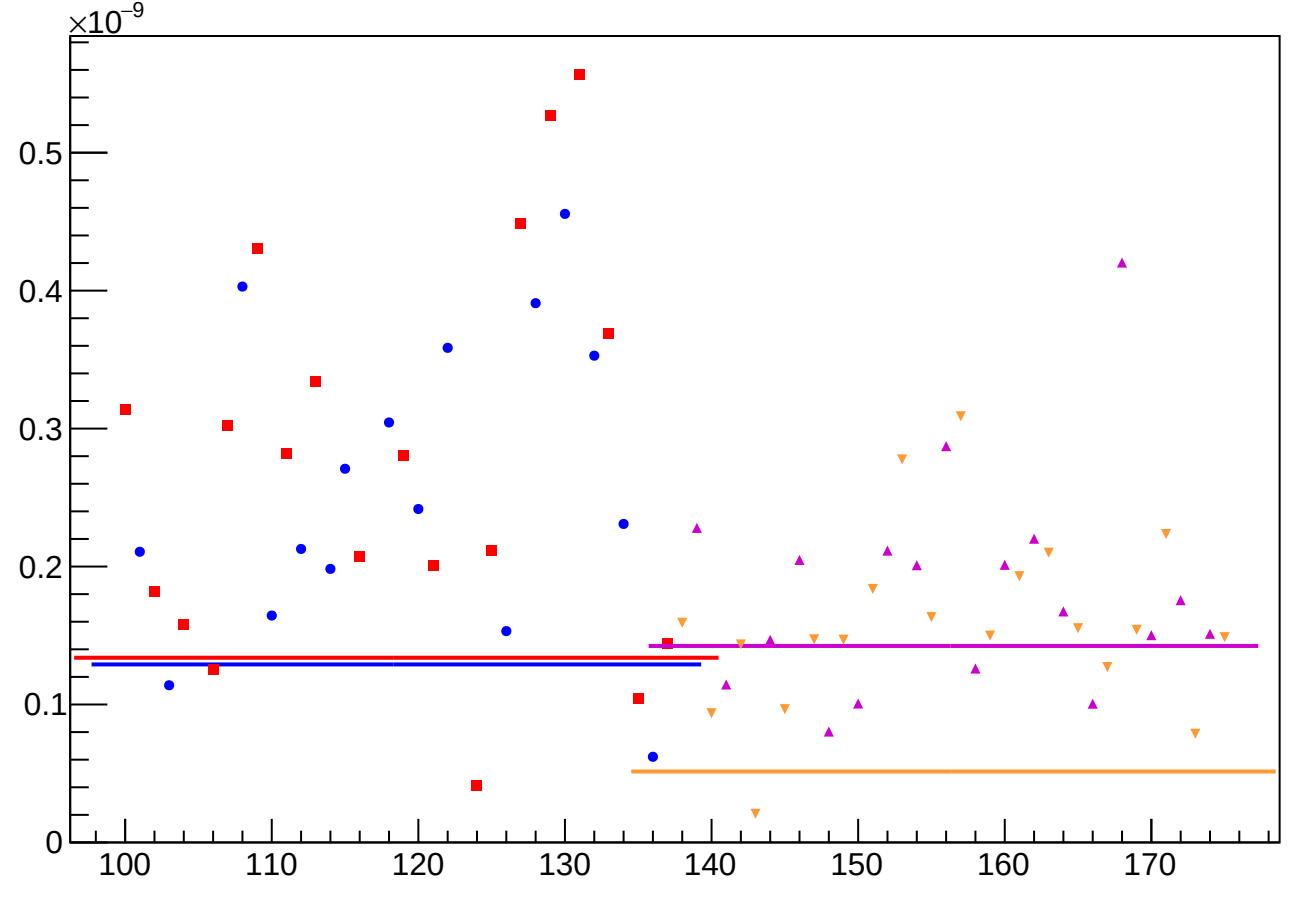
Left: 0.000+/-0.000 χ^2/NDF: 43.2/37

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:53.5/33

Out: 0.000+/-0.000 χ^2/NDF:33.8/38

All: 0.000+/-0.000 χ^2/NDF: 90.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6884107.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1457504.8/17

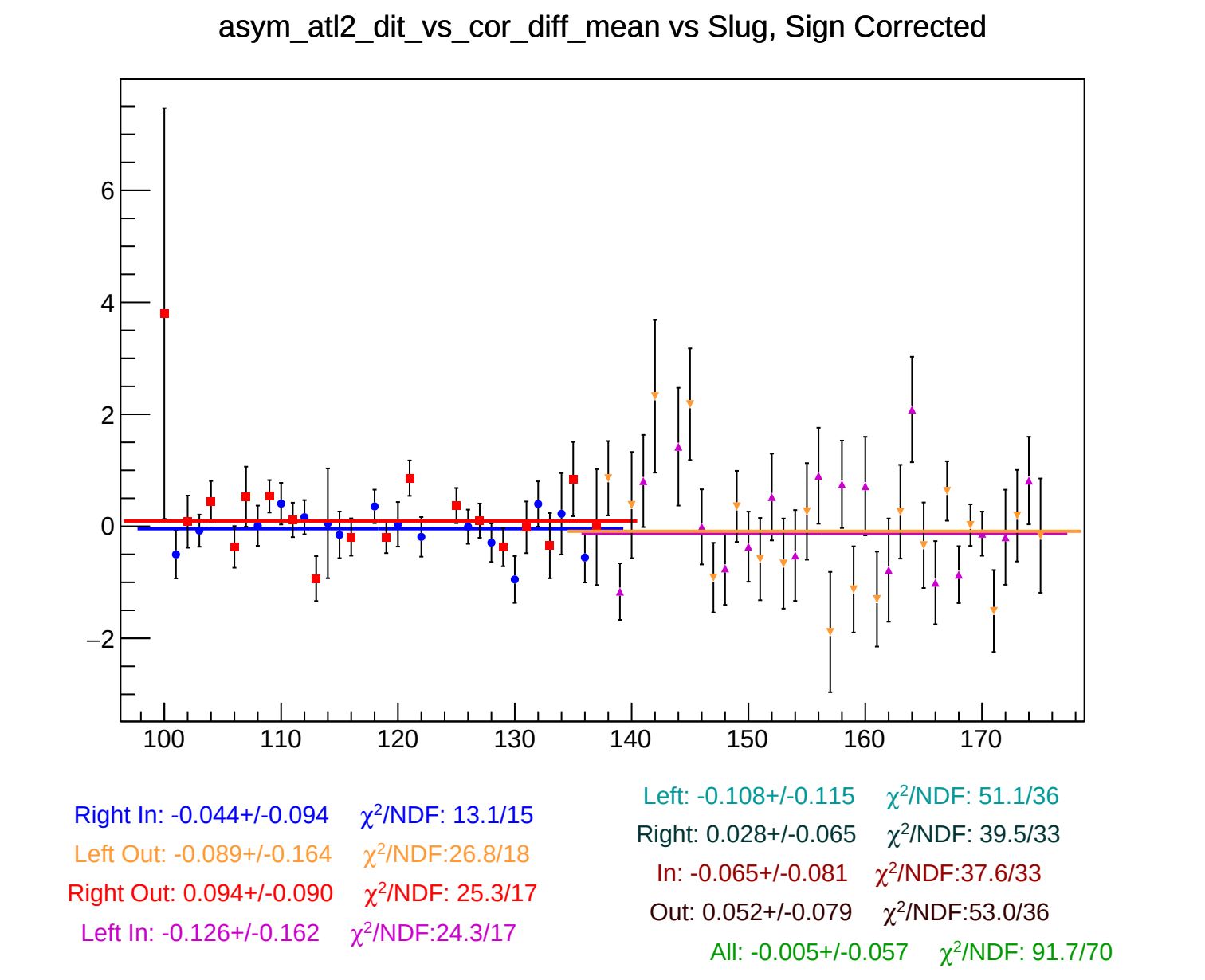
Left: 0.000+/-0.000 χ^2/NDF: 11710517.2/37

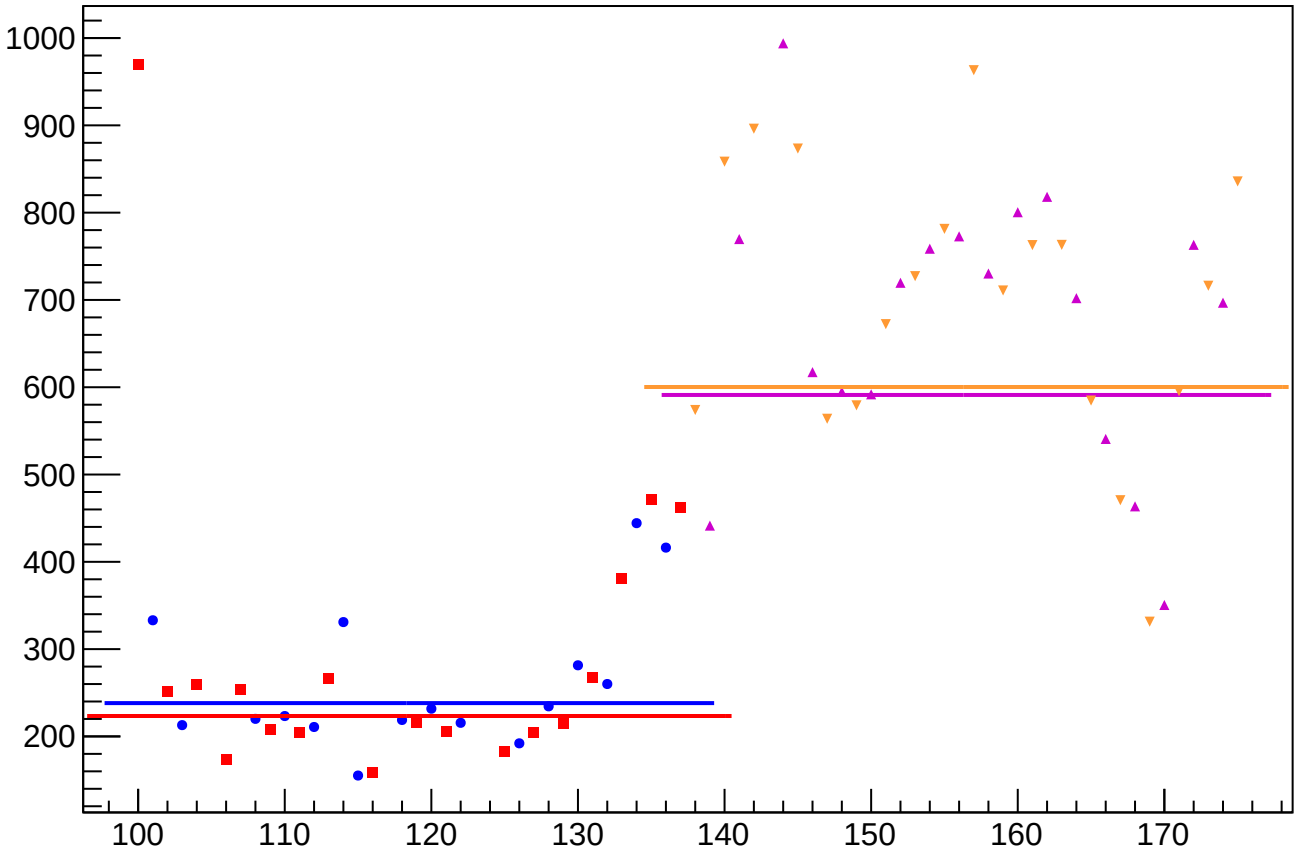
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3205337.6/33

Out: 0.000+/-0.000 χ^2/NDF:10535106.7/38

All: 0.000+/-0.000 χ^2/NDF: 17217966.6/72


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.089+/-0.164 χ²/NDF:26.8/18
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.126+/-0.162 χ²/NDF:24.3/17
Left: -0.108+/-0.115 χ²/NDF: 51.1/36
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.065+/-0.081 χ²/NDF:37.6/33
Out: 0.052+/-0.079 χ²/NDF:53.0/36
All: -0.005+/-0.057 χ²/NDF: 91.7/70



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

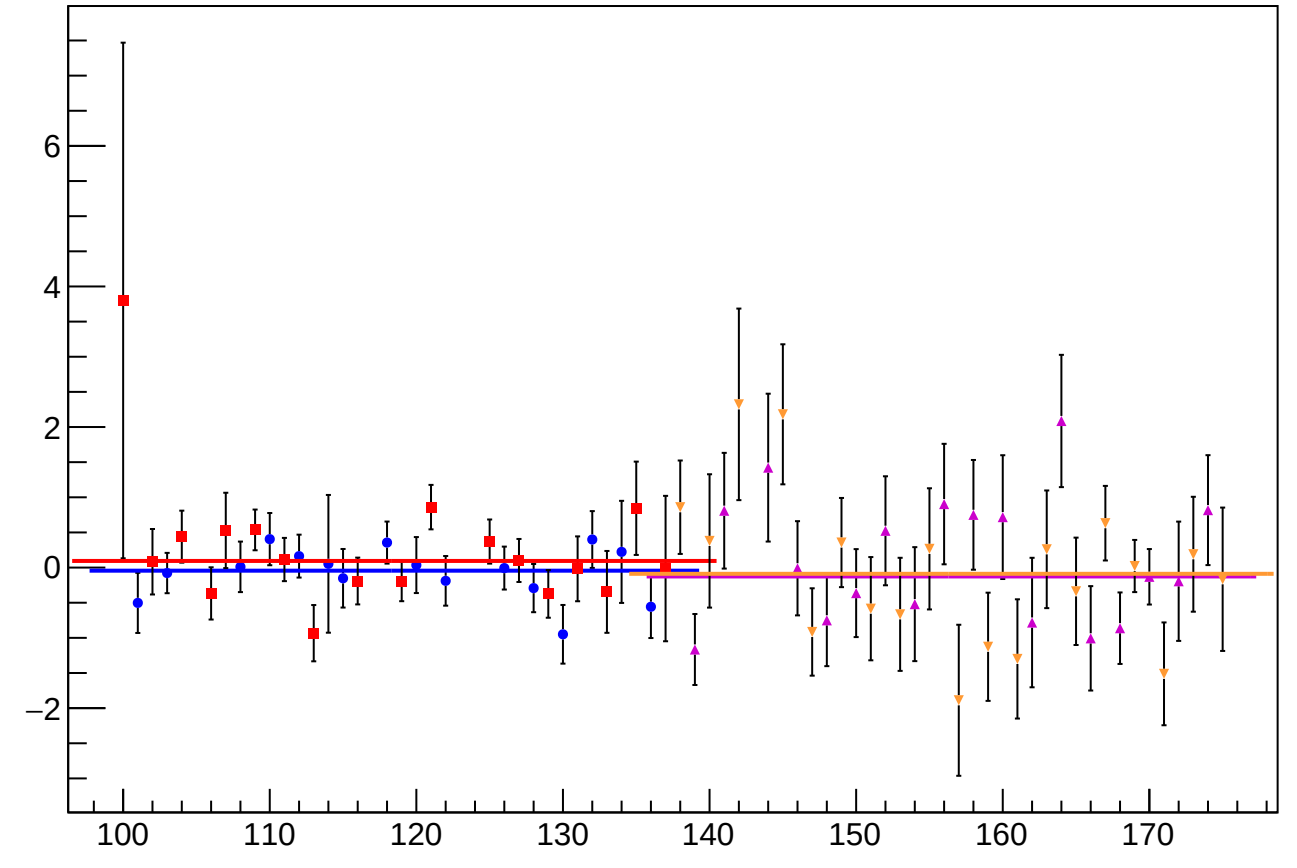
Left: 595.623+/-0.081 χ^2/NDF: 4418509.0/36

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 327.183+/-0.057 χ^2/NDF:10068326.3/33

Out: 310.264+/-0.056 χ^2/NDF:11237577.1/36

All: 318.498+/-0.040 χ^2/NDF: 21350573.8/70



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.126+/-0.162 χ^2/NDF:24.3/17

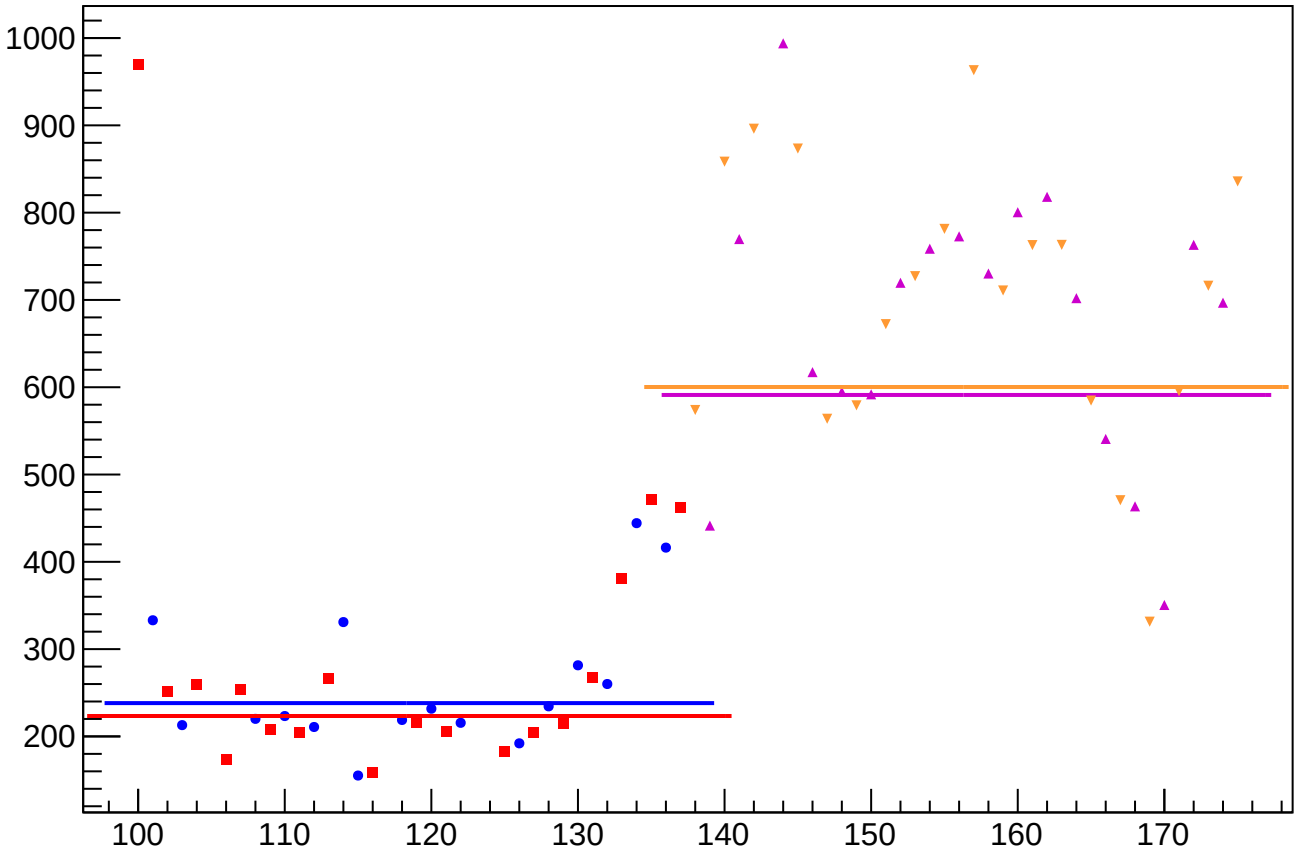
Left: -0.108+/-0.115 χ^2/NDF: 51.1/36

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.065+/-0.081 χ^2/NDF:37.6/33

Out: 0.052+/-0.079 χ^2/NDF:53.0/36

All: -0.005+/-0.057 χ^2/NDF: 91.7/70



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

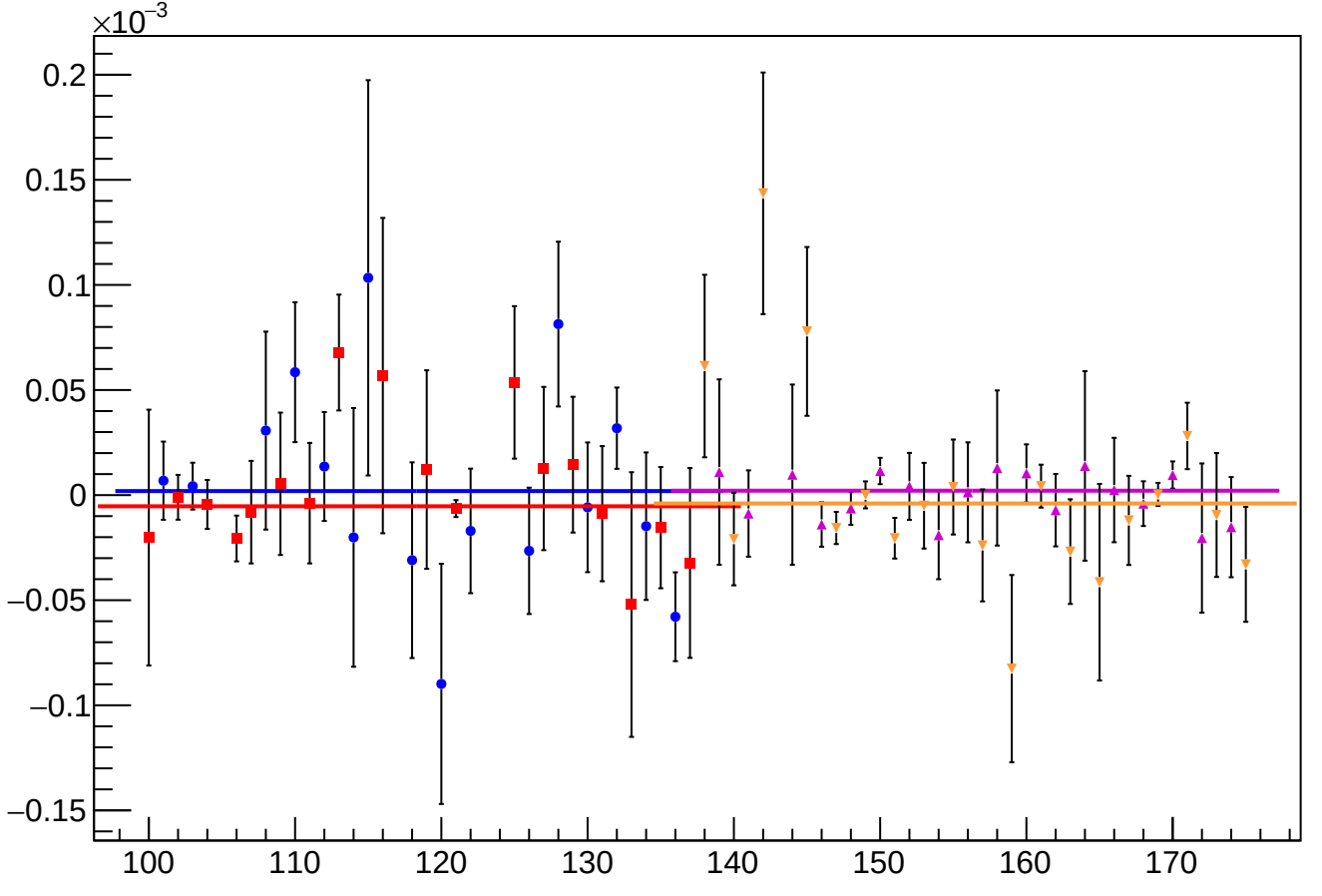
Left: 595.623+/-0.081 χ^2/NDF: 4418509.0/36

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 327.183+/-0.057 χ^2/NDF:10068326.3/33

Out: 310.264+/-0.056 χ^2/NDF:11237577.1/36

All: 318.498+/-0.040 χ^2/NDF: 21350573.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/18

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

Left In: 0.000+/-0.000 χ^2/NDF:10.5/17

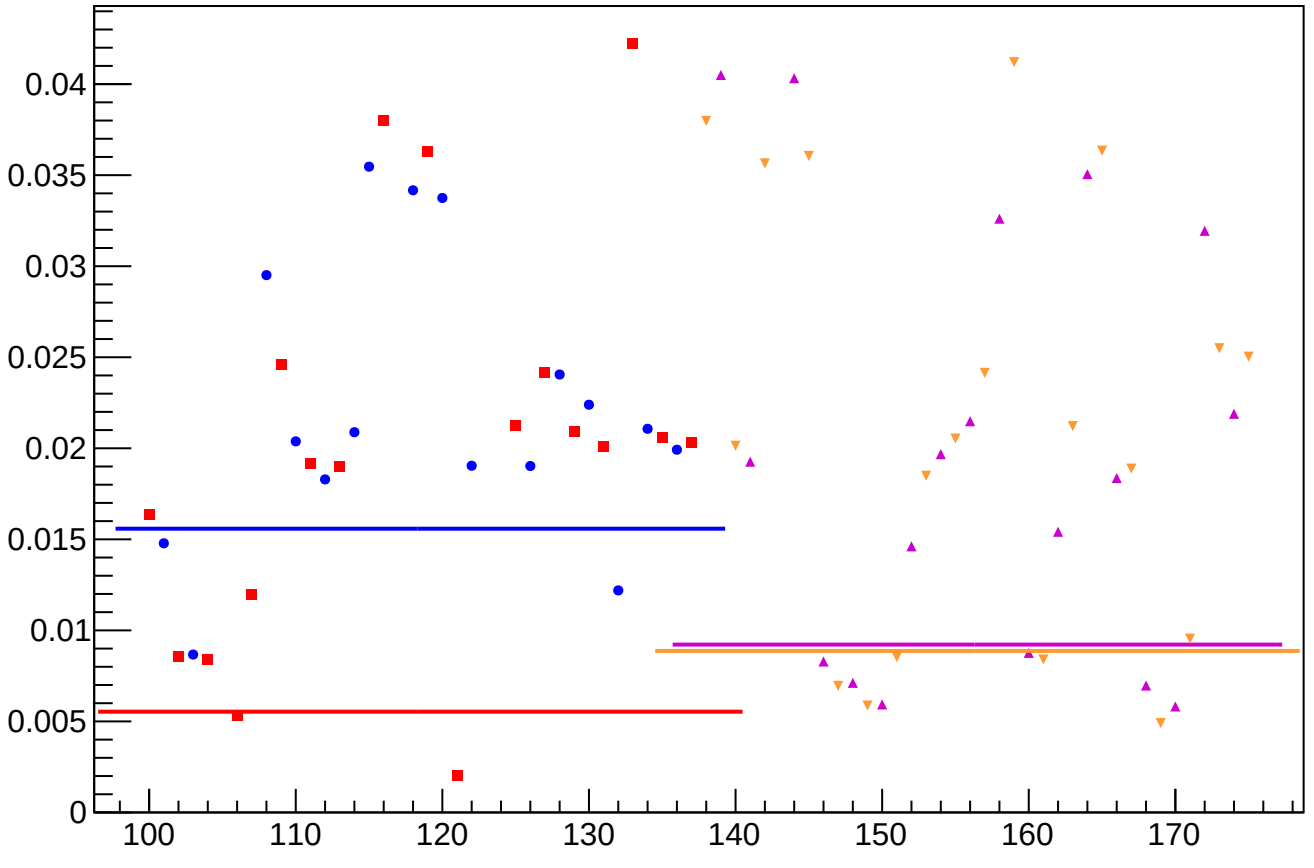
Left: -0.000+/-0.000 χ^2/NDF: 43.8/36

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:34.5/33

Out: -0.000+/-0.000 χ^2/NDF:45.9/36

All: -0.000+/-0.000 χ^2/NDF: 84.0/70



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10043243.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:8522557.5/17

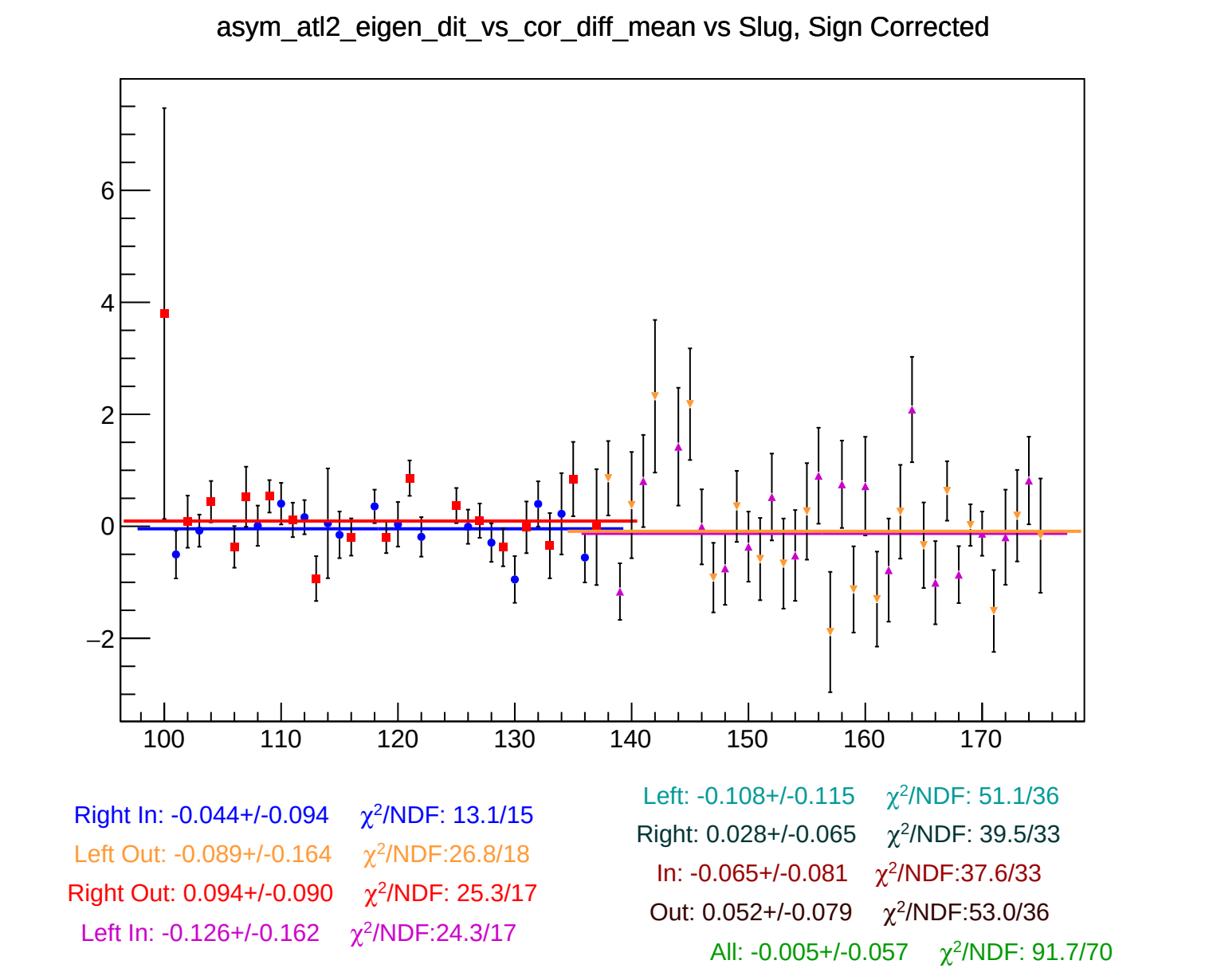
Left: 0.009+/-0.000 χ^2/NDF: 18579443.5/36

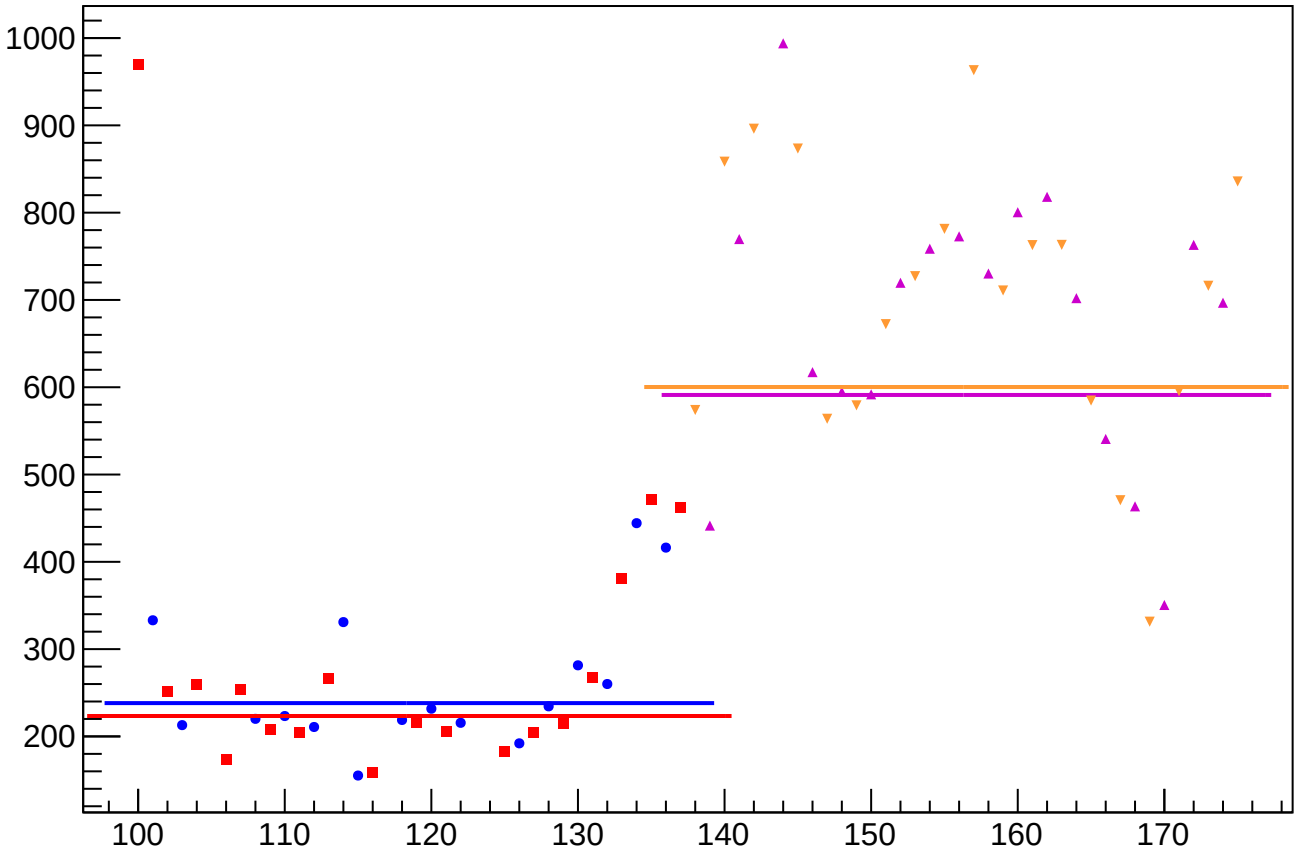
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.010+/-0.000 χ^2/NDF:12223384.2/33

Out: 0.007+/-0.000 χ^2/NDF:19176273.3/36

All: 0.009+/-0.000 χ^2/NDF: 32927904.7/70


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.089+/-0.164 χ²/NDF:26.8/18
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.126+/-0.162 χ²/NDF:24.3/17
Left: -0.108+/-0.115 χ²/NDF: 51.1/36
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.065+/-0.081 χ²/NDF:37.6/33
Out: 0.052+/-0.079 χ²/NDF:53.0/36
All: -0.005+/-0.057 χ²/NDF: 91.7/70



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 600.265+/-0.116 χ^2/NDF:2297155.5/18

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

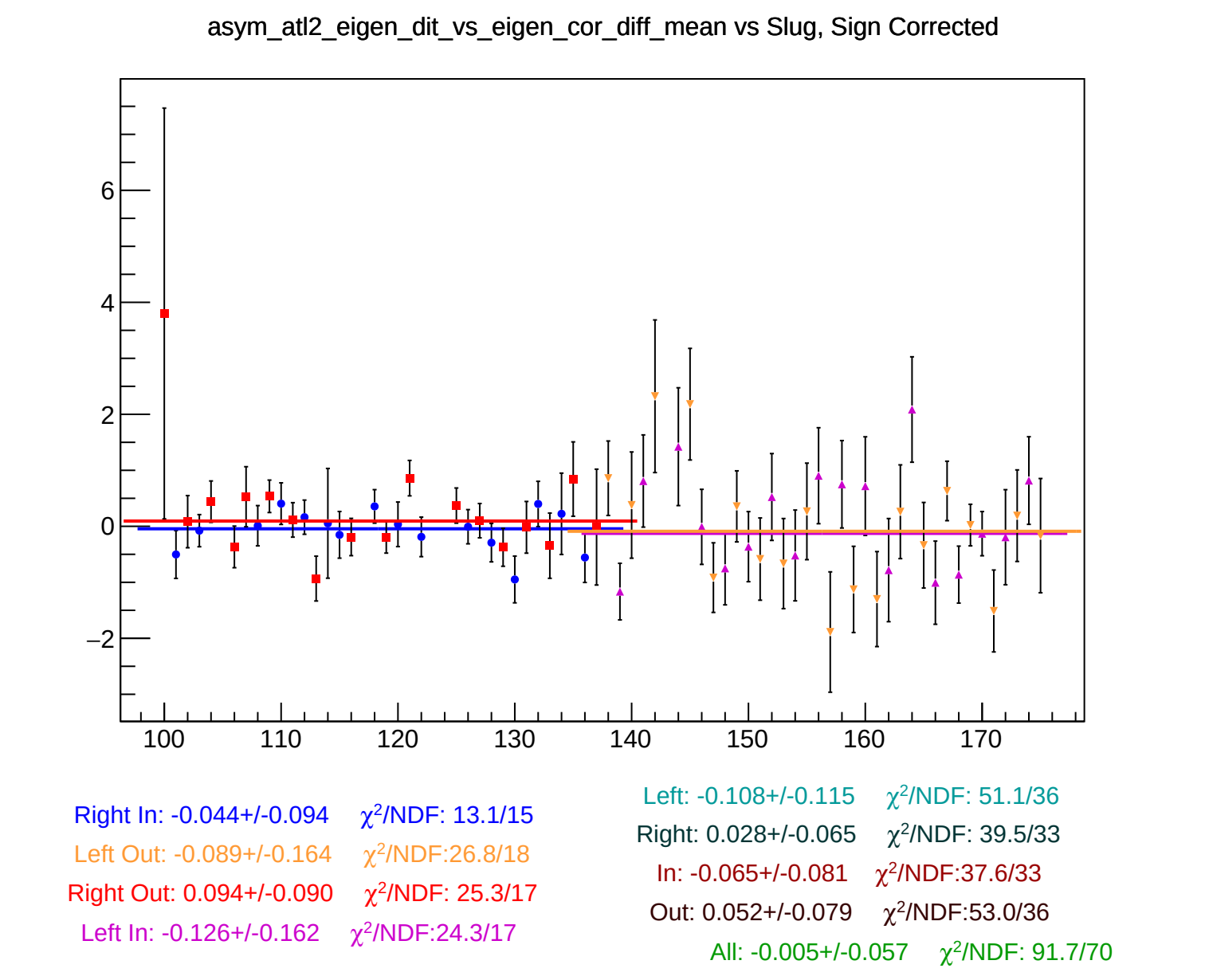
Left: 595.628+/-0.081 χ^2/NDF: 4418530.0/36

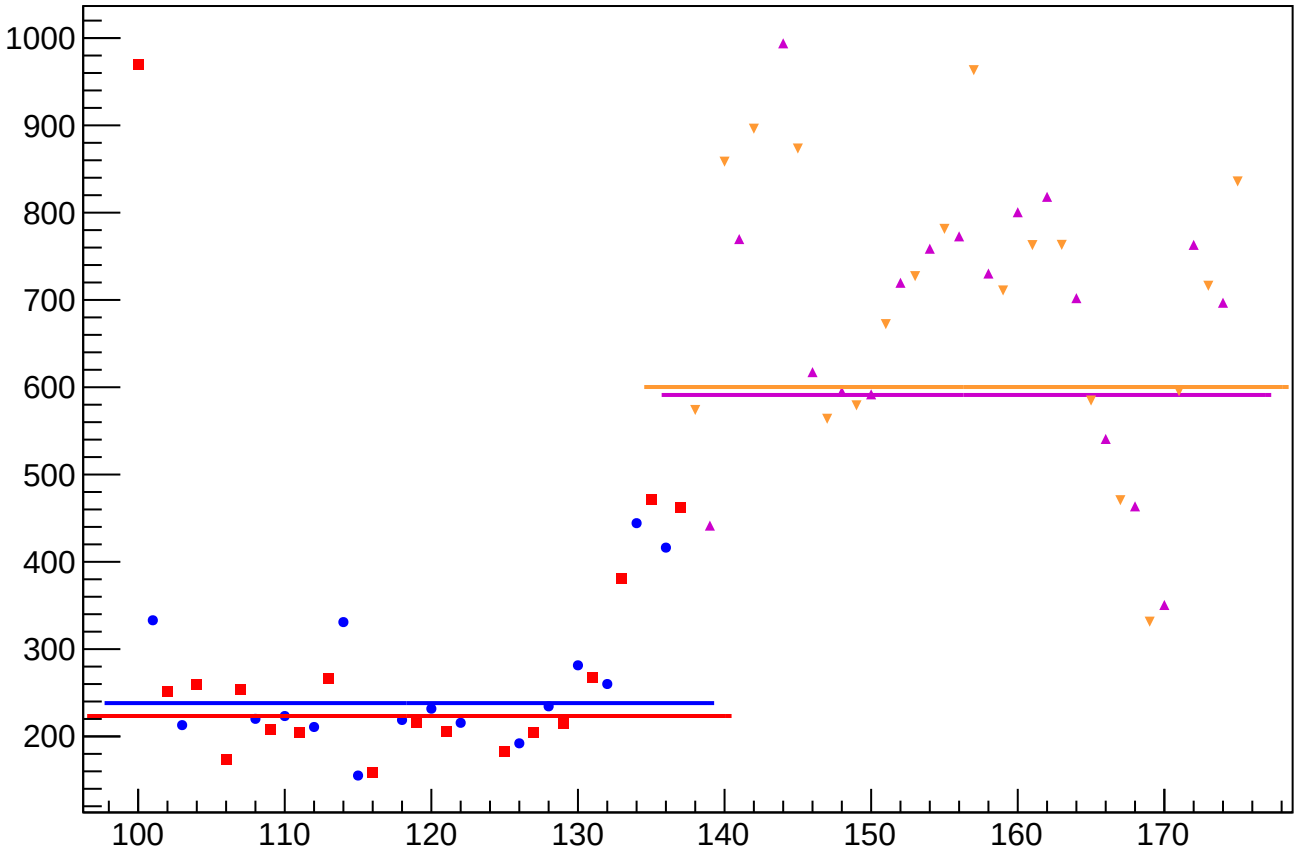
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 327.184+/-0.057 χ^2/NDF:10068366.8/33

Out: 310.265+/-0.056 χ^2/NDF:11237556.4/36

All: 318.499+/-0.040 χ^2/NDF: 21350589.9/70


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.089+/-0.164 χ²/NDF:26.8/18
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.126+/-0.162 χ²/NDF:24.3/17
Left: -0.108+/-0.115 χ²/NDF: 51.1/36
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.065+/-0.081 χ²/NDF:37.6/33
Out: 0.052+/-0.079 χ²/NDF:53.0/36
All: -0.005+/-0.057 χ²/NDF: 91.7/70



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 600.265+/-0.116 χ^2/NDF:2297155.5/18

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

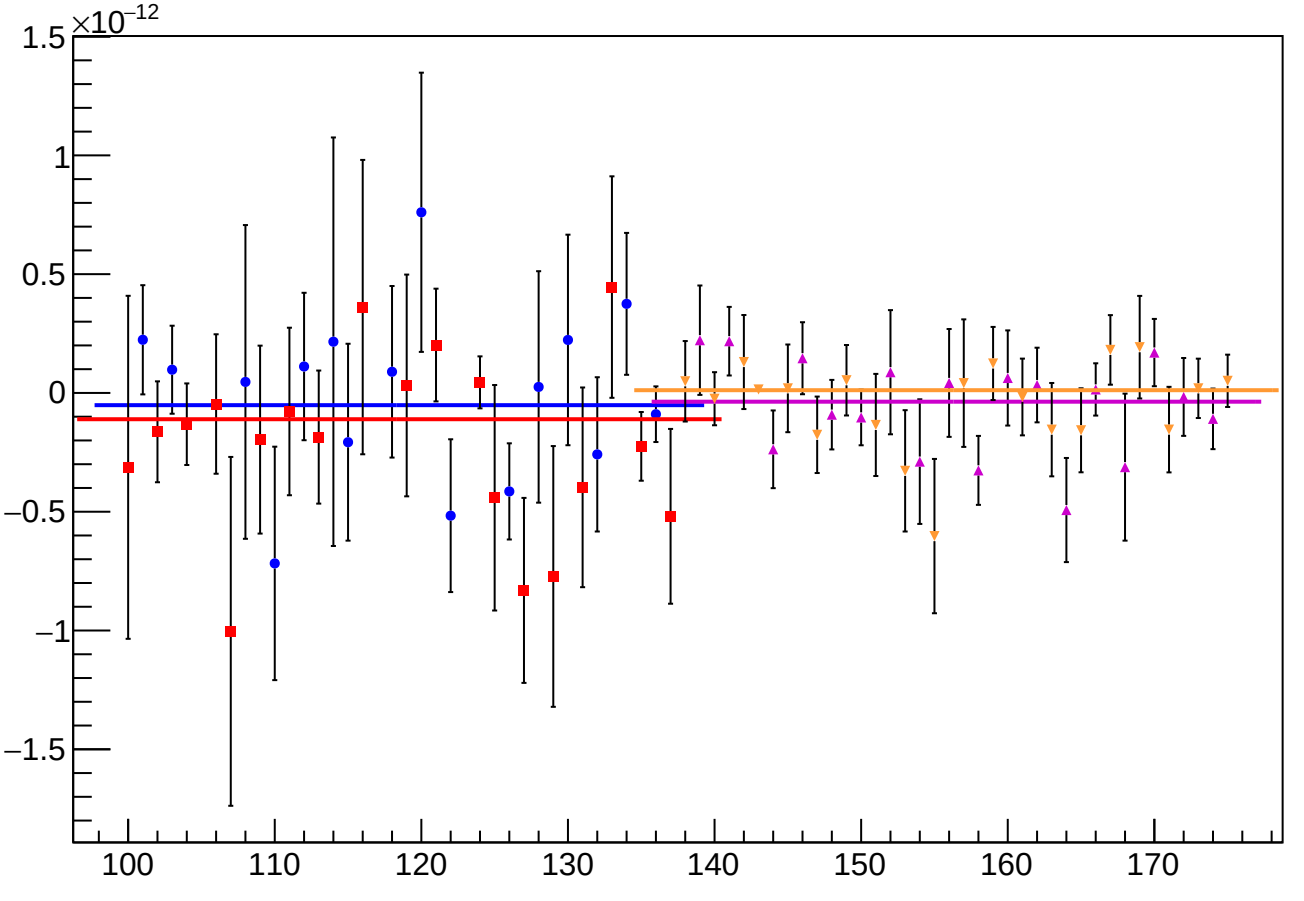
Left: 595.628+/-0.081 χ^2/NDF: 4418530.0/36

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 327.184+/-0.057 χ^2/NDF:10068366.8/33

Out: 310.265+/-0.056 χ^2/NDF:11237556.4/36

All: 318.499+/-0.040 χ^2/NDF: 21350589.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/17

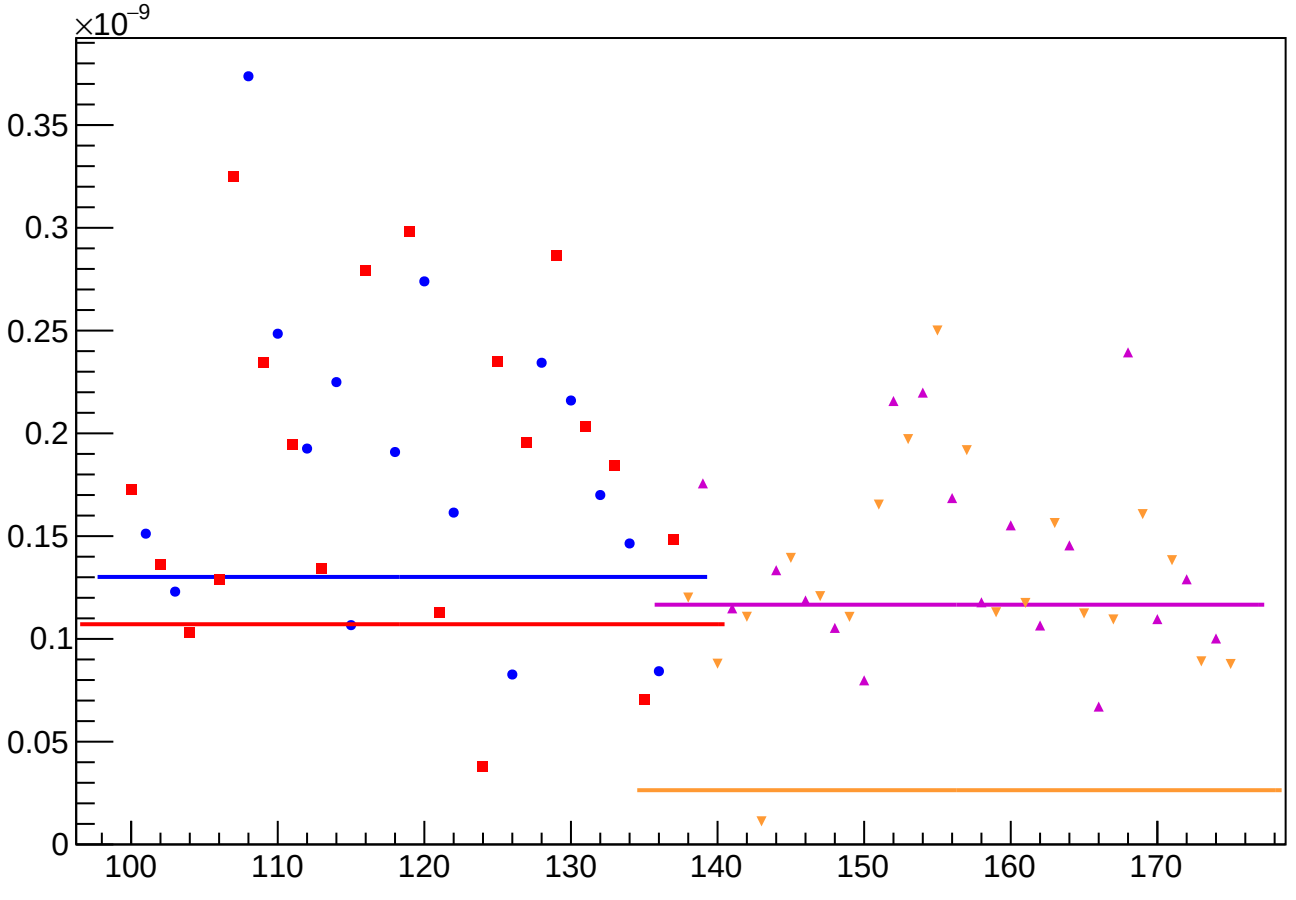
Left: 0.000+/-0.000 χ^2/NDF: 35.7/37

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:36.1/33

Out: 0.000+/-0.000 χ^2/NDF:32.4/38

All: -0.000+/-0.000 χ^2/NDF: 70.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14970732.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1951440.2/17

Left: 0.000+/-0.000 χ^2/NDF: 26789911.8/37

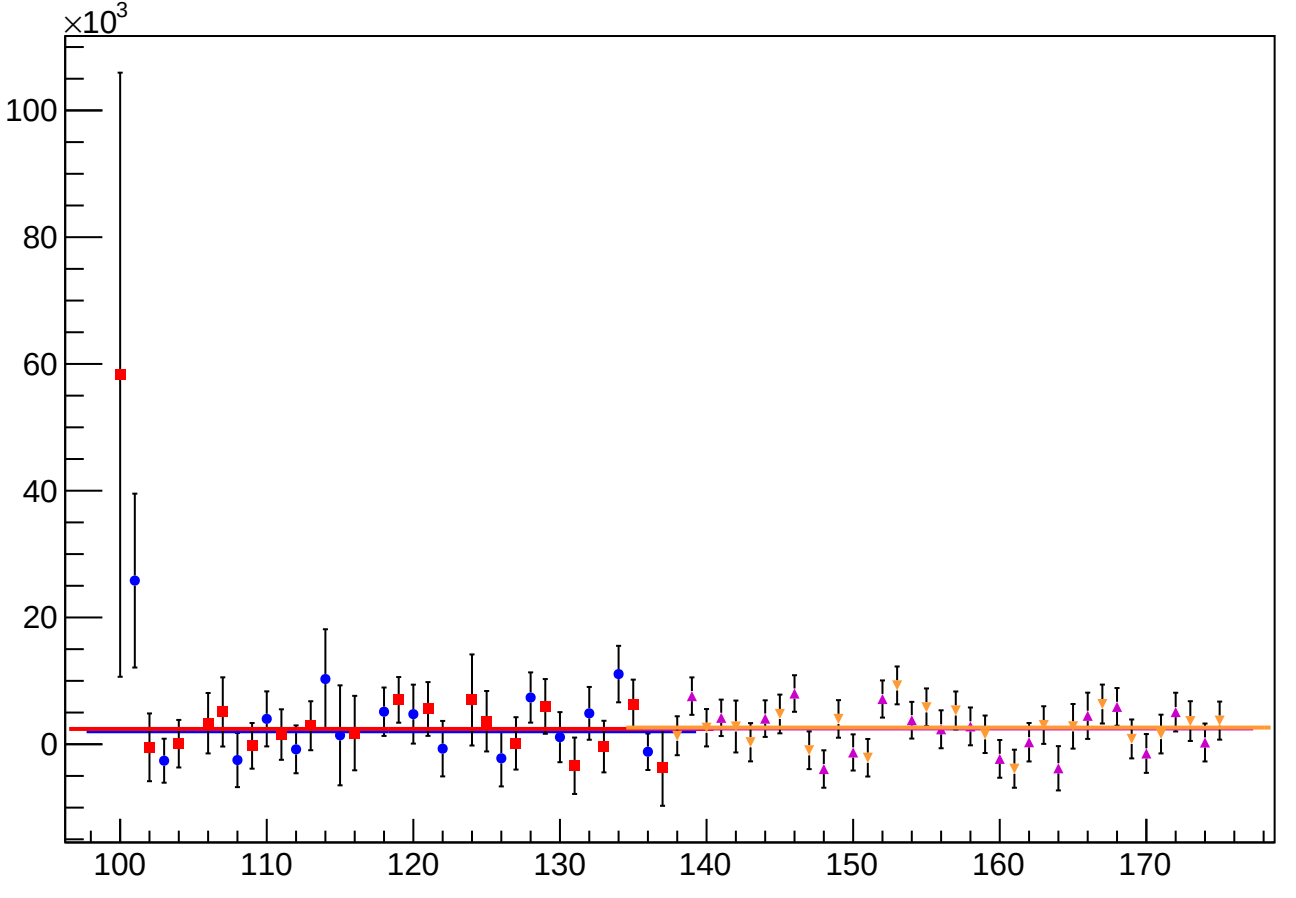
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3346526.3/33

Out: 0.000+/-0.000 χ^2/NDF:21162676.1/38

All: 0.000+/-0.000 χ^2/NDF: 36795233.1/72

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.596+/-685.824 χ^2/NDF:19.4/19

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2493.353+/-708.941 χ^2/NDF:27.3/17

Left: 2563.732+/-492.920 χ^2/NDF: 46.8/37

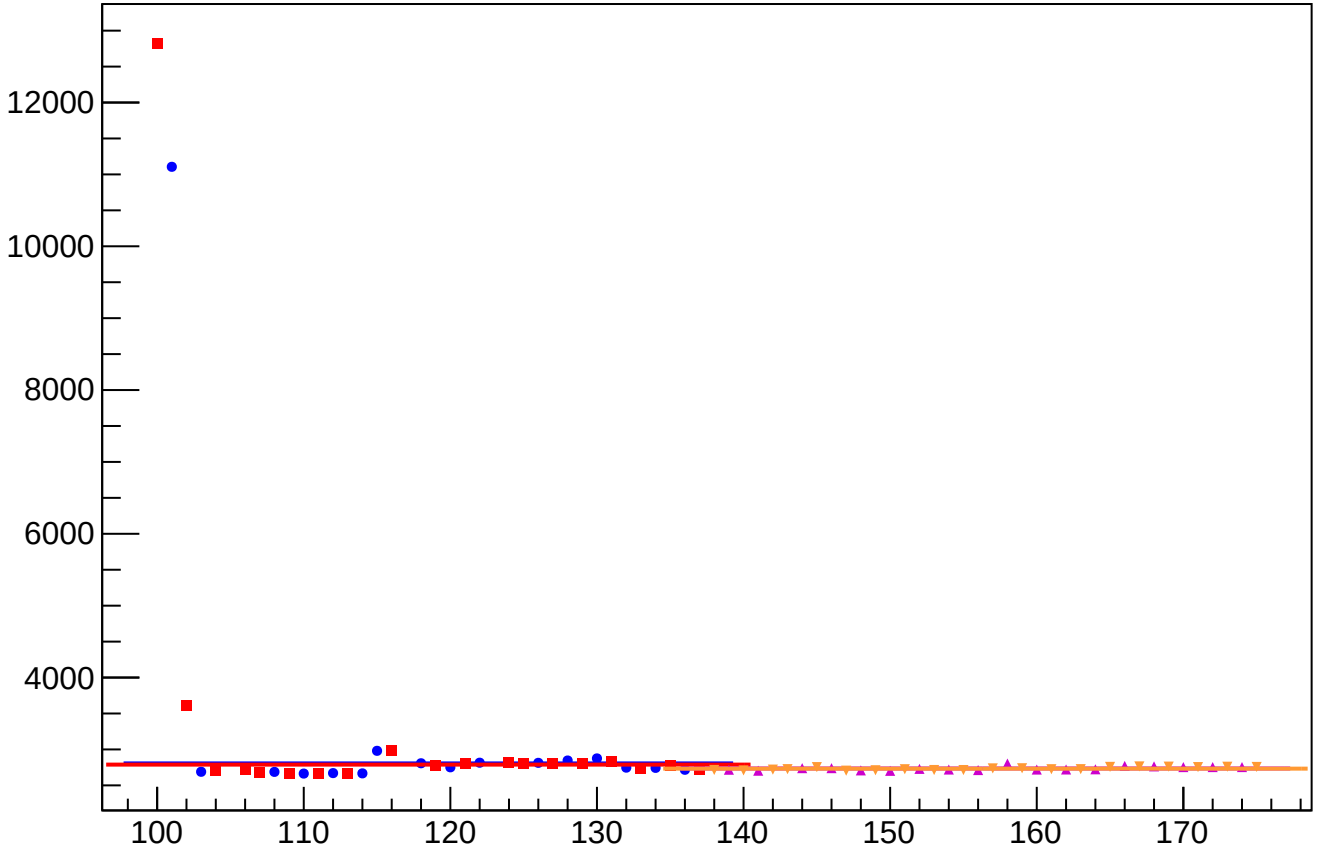
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2358.016+/-591.058 χ^2/NDF:45.2/33

Out: 2563.204+/-571.782 χ^2/NDF:30.2/38

All: 2464.010+/-410.957 χ^2/NDF: 75.5/72

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

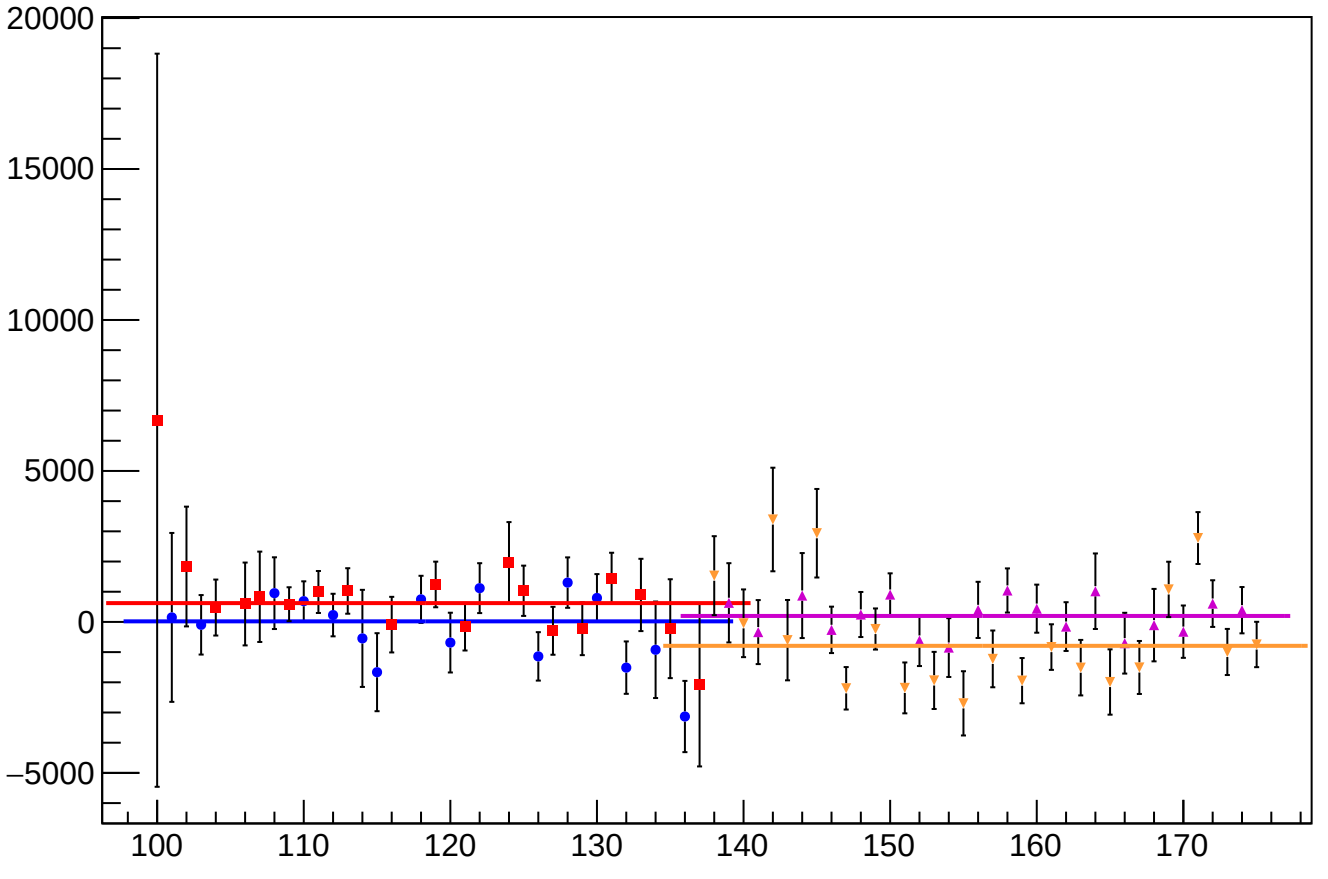
Left: 2733.742+/-0.349 χ^2/NDF: 4385.5/37

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.382+/-0.418 χ^2/NDF:754984.1/33

Out: 2749.809+/-0.404 χ^2/NDF:152760.3/38

All: 2752.986+/-0.291 χ^2/NDF: 907872.1/72



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -791.625+/-202.538 χ^2/NDF:54.7/19

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 197.921+/-208.039 χ^2/NDF:7.7/17

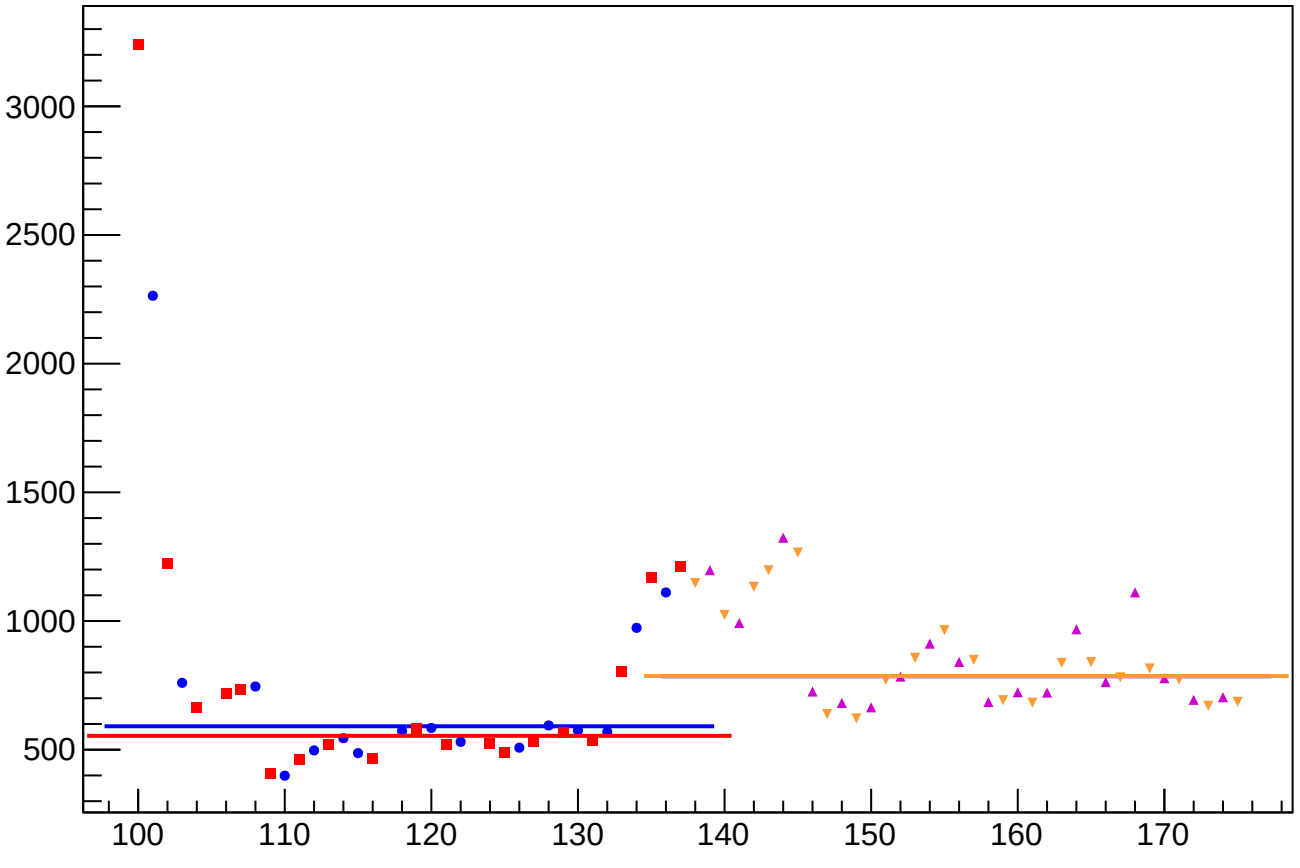
Left: -310.107+/-145.122 χ^2/NDF: 74.0/37

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 118.729+/-155.325 χ^2/NDF:30.8/33

Out: -129.545+/-147.730 χ^2/NDF:86.8/38

All: -11.627+/-107.045 χ^2/NDF: 119.0/72



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.146+/-0.143 χ^2/NDF:1175404.0/19

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 785.340+/-0.147 χ^2/NDF:1020635.0/17

Left: 785.754+/-0.103 χ^2/NDF: 2196054.3/37

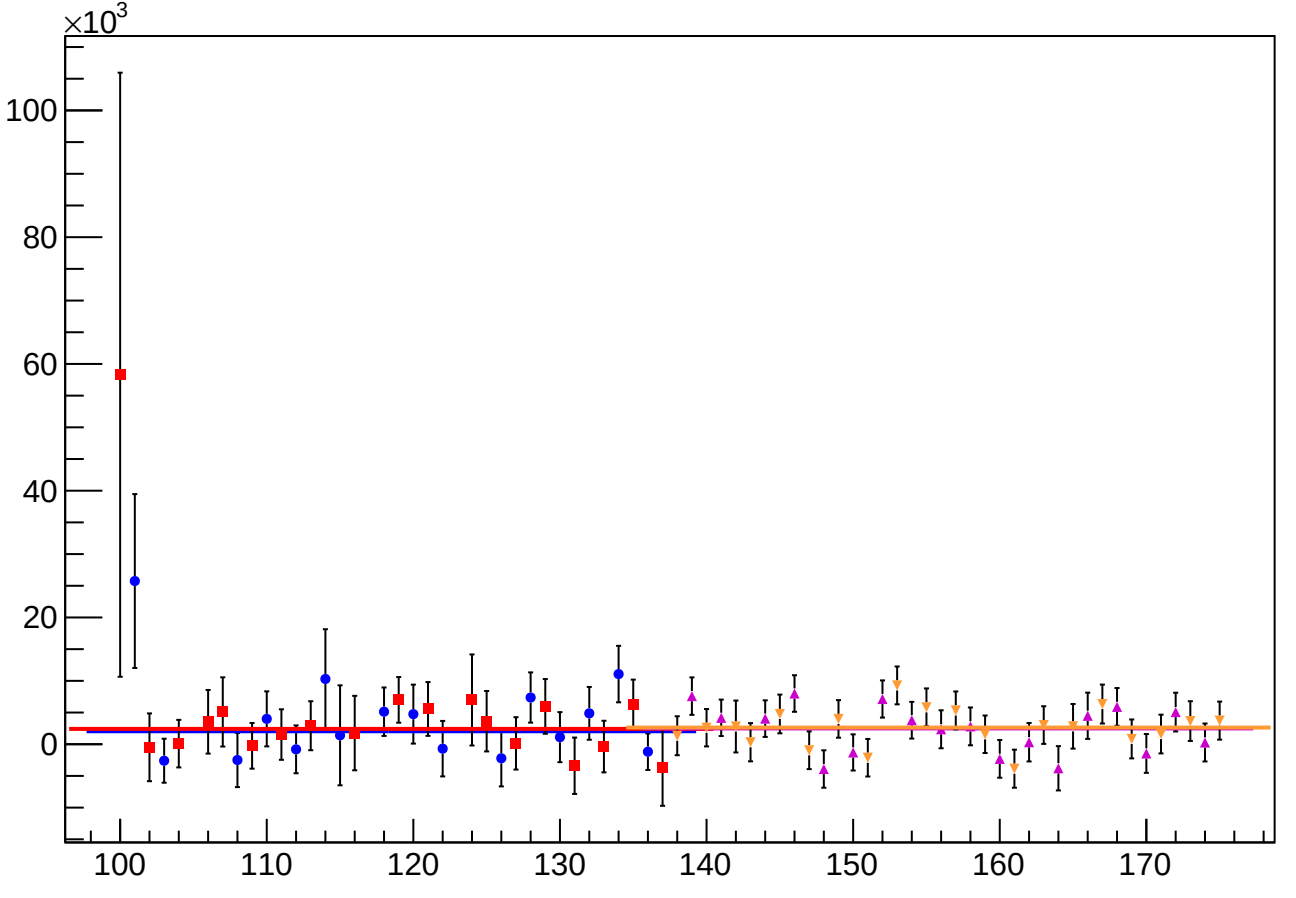
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.351+/-0.110 χ^2/NDF:3360372.7/33

Out: 677.495+/-0.104 χ^2/NDF:3522137.4/38

All: 687.876+/-0.076 χ^2/NDF: 6903300.7/72

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2493.419+/-708.941 χ^2/NDF:27.3/17

Left: 2563.769+/-492.920 χ^2/NDF: 46.8/37

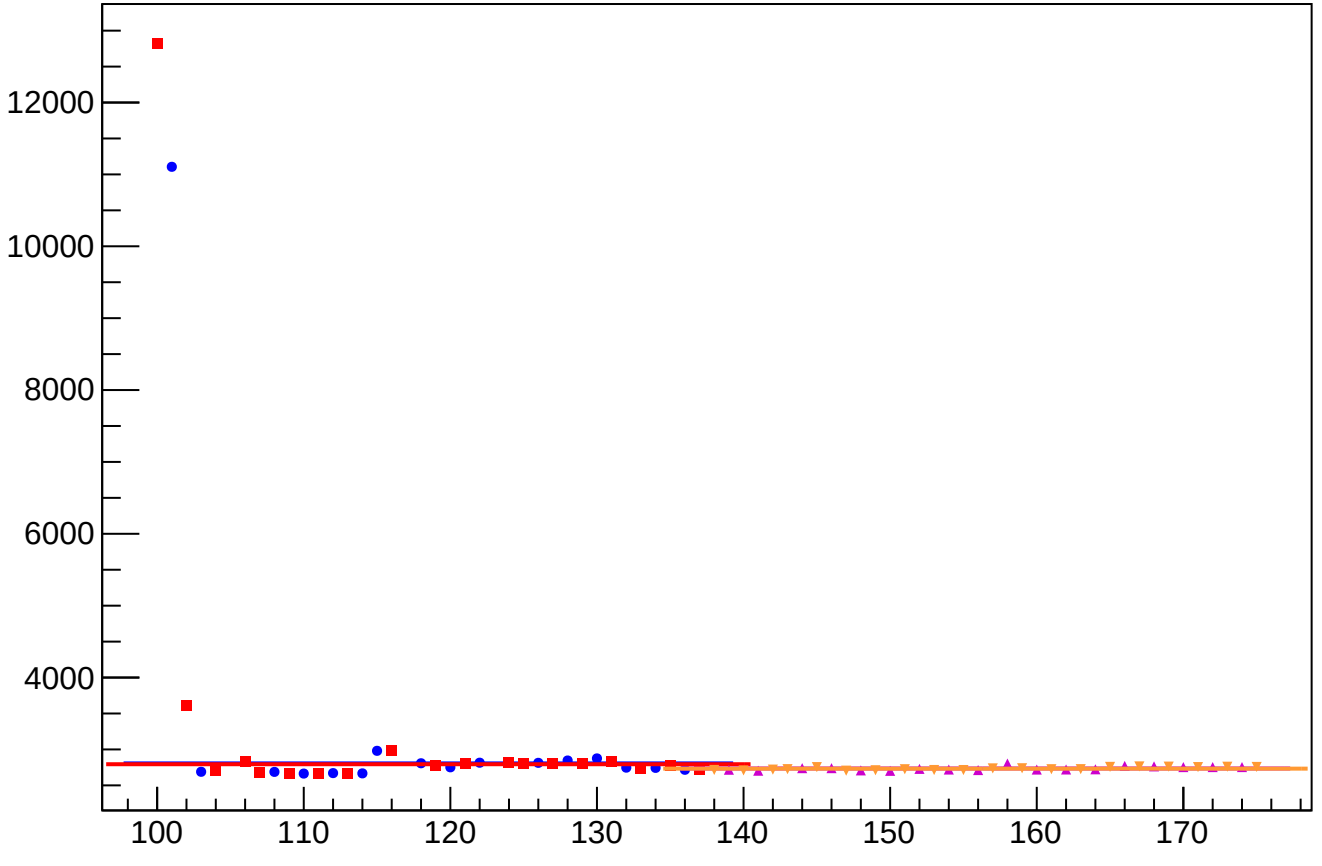
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2357.816+/-591.058 χ^2/NDF:45.2/33

Out: 2565.261+/-572.182 χ^2/NDF:30.2/38

All: 2464.904+/-411.105 χ^2/NDF: 75.5/72

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

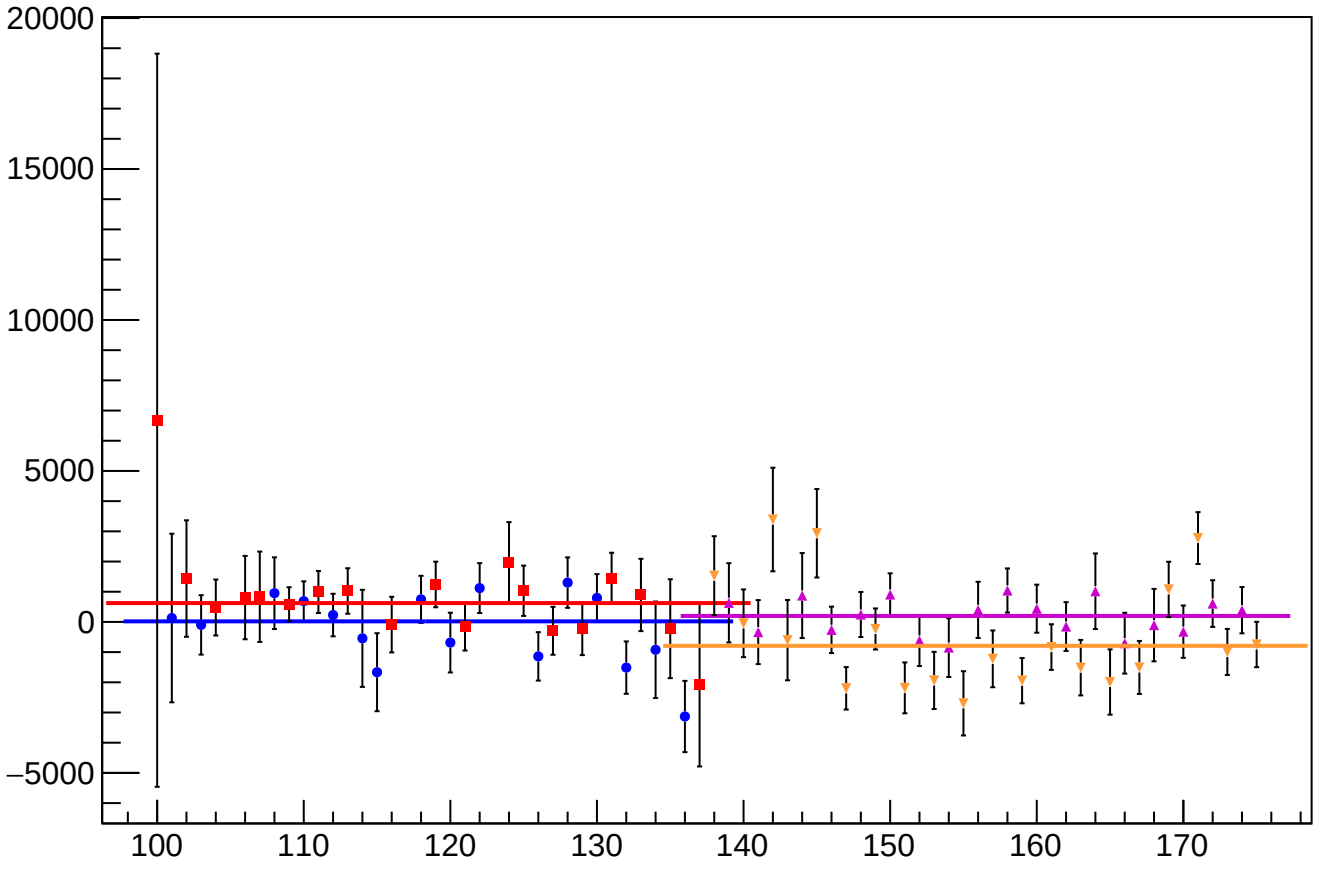
Left: 2733.742+/-0.349 χ^2/NDF: 4385.5/37

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.382+/-0.418 χ^2/NDF:754983.2/33

Out: 2751.376+/-0.405 χ^2/NDF:153304.2/38

All: 2753.798+/-0.291 χ^2/NDF: 908361.5/72



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 198.033+/-208.040 χ^2/NDF:7.7/17

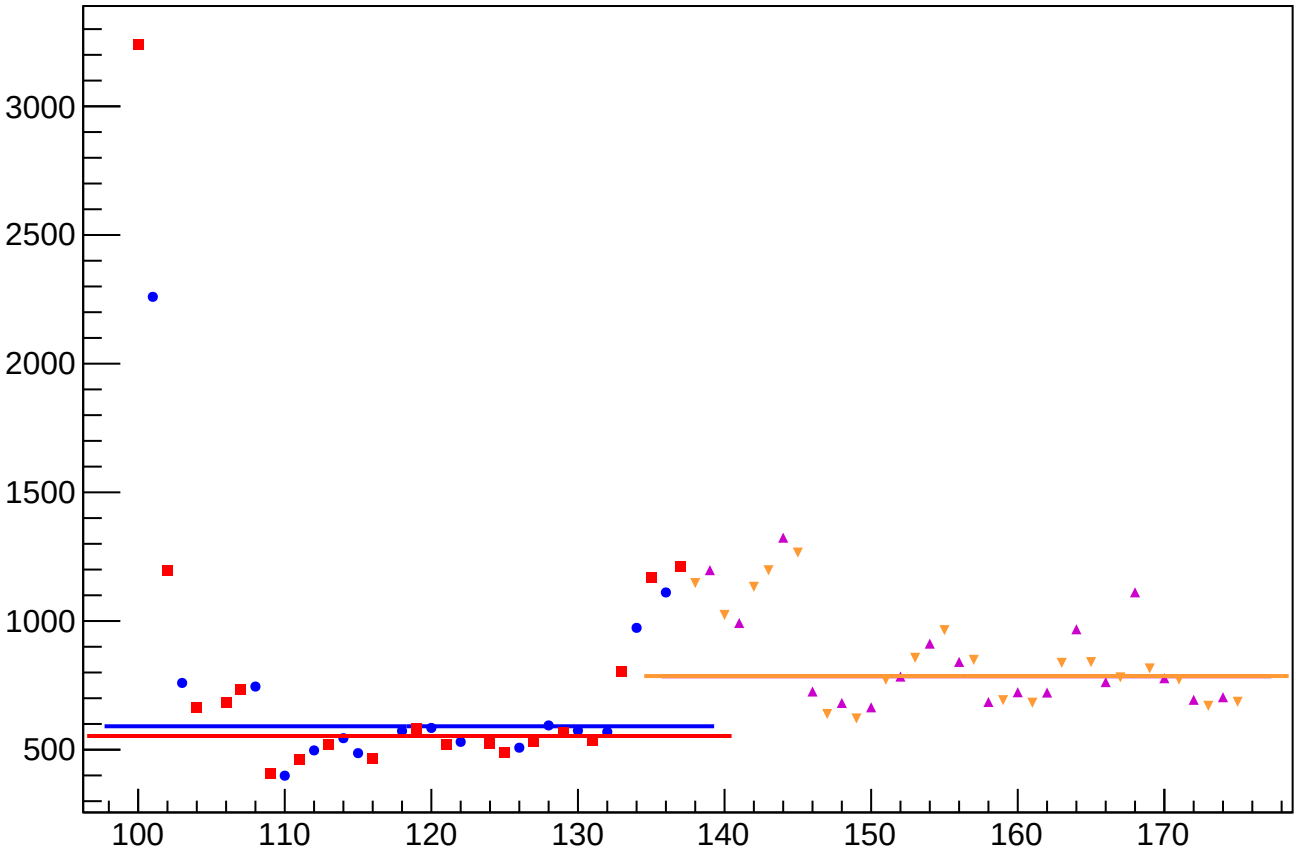
Left: -310.038+/-145.122 χ^2/NDF: 74.0/37

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 118.768+/-155.322 χ^2/NDF:30.8/33

Out: -128.858+/-147.714 χ^2/NDF:86.7/38

All: -11.258+/-107.038 χ^2/NDF: 118.8/72



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

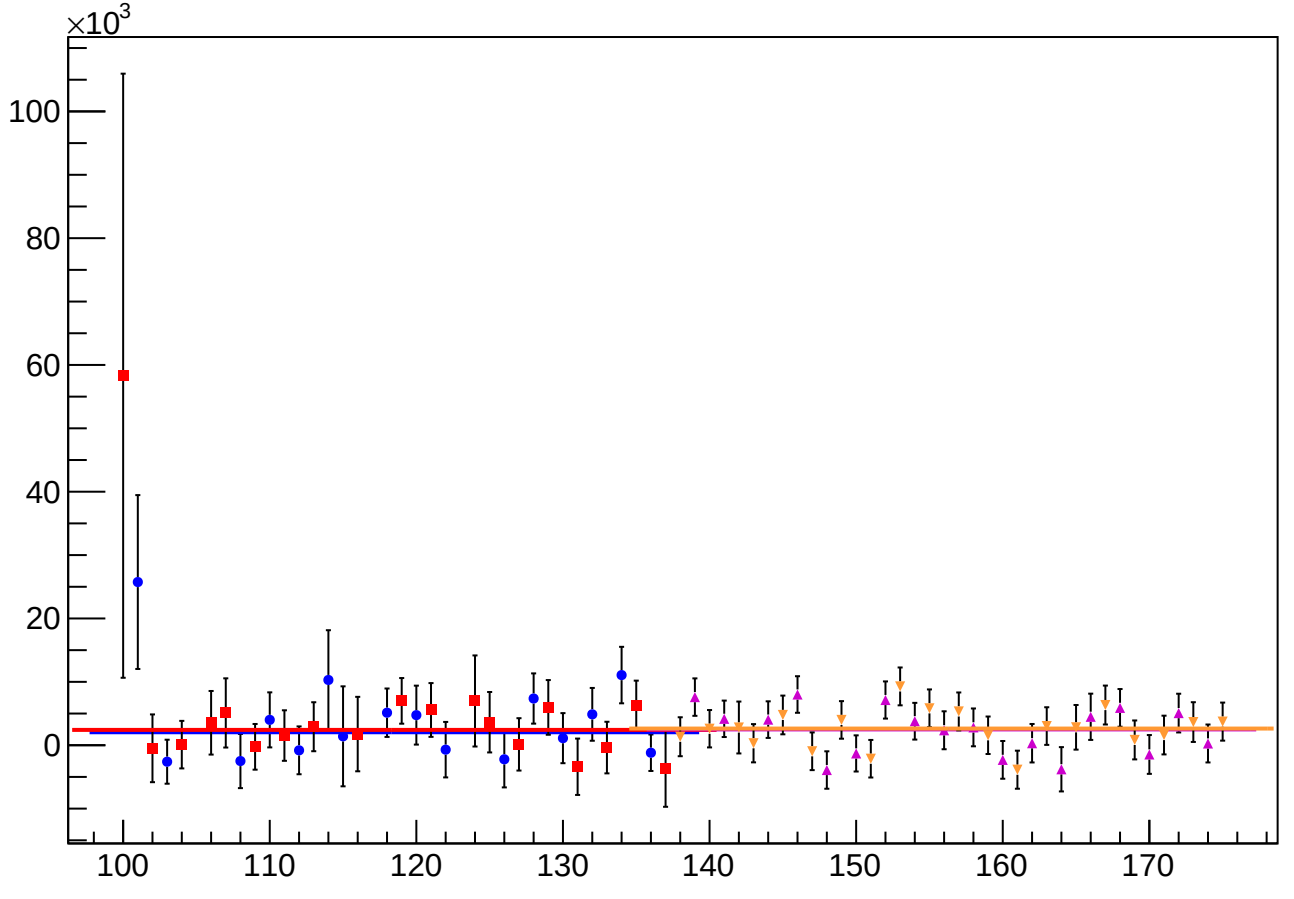
Left: 785.753+/-0.103 χ^2/NDF: 2195990.7/37

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.347+/-0.110 χ^2/NDF:3359353.3/33

Out: 677.118+/-0.104 χ^2/NDF:3515062.2/38

All: 687.675+/-0.076 χ^2/NDF: 6895926.5/72



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2493.419+/-708.941 χ^2/NDF:27.3/17

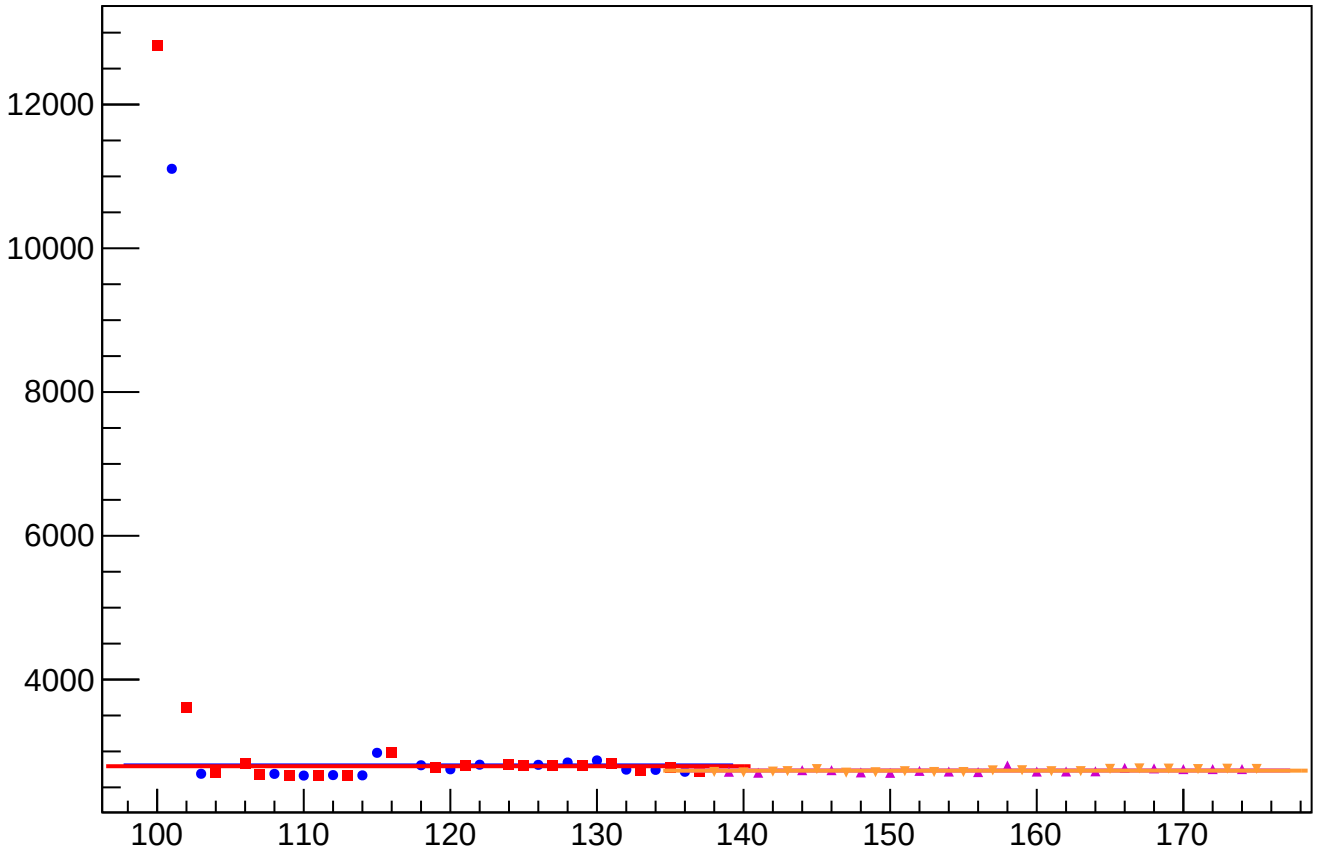
Left: 2563.769+/-492.920 χ^2/NDF: 46.8/37

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2357.816+/-591.058 χ^2/NDF:45.2/33

Out: 2565.261+/-572.182 χ^2/NDF:30.2/38

All: 2464.904+/-411.105 χ^2/NDF: 75.5/72



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

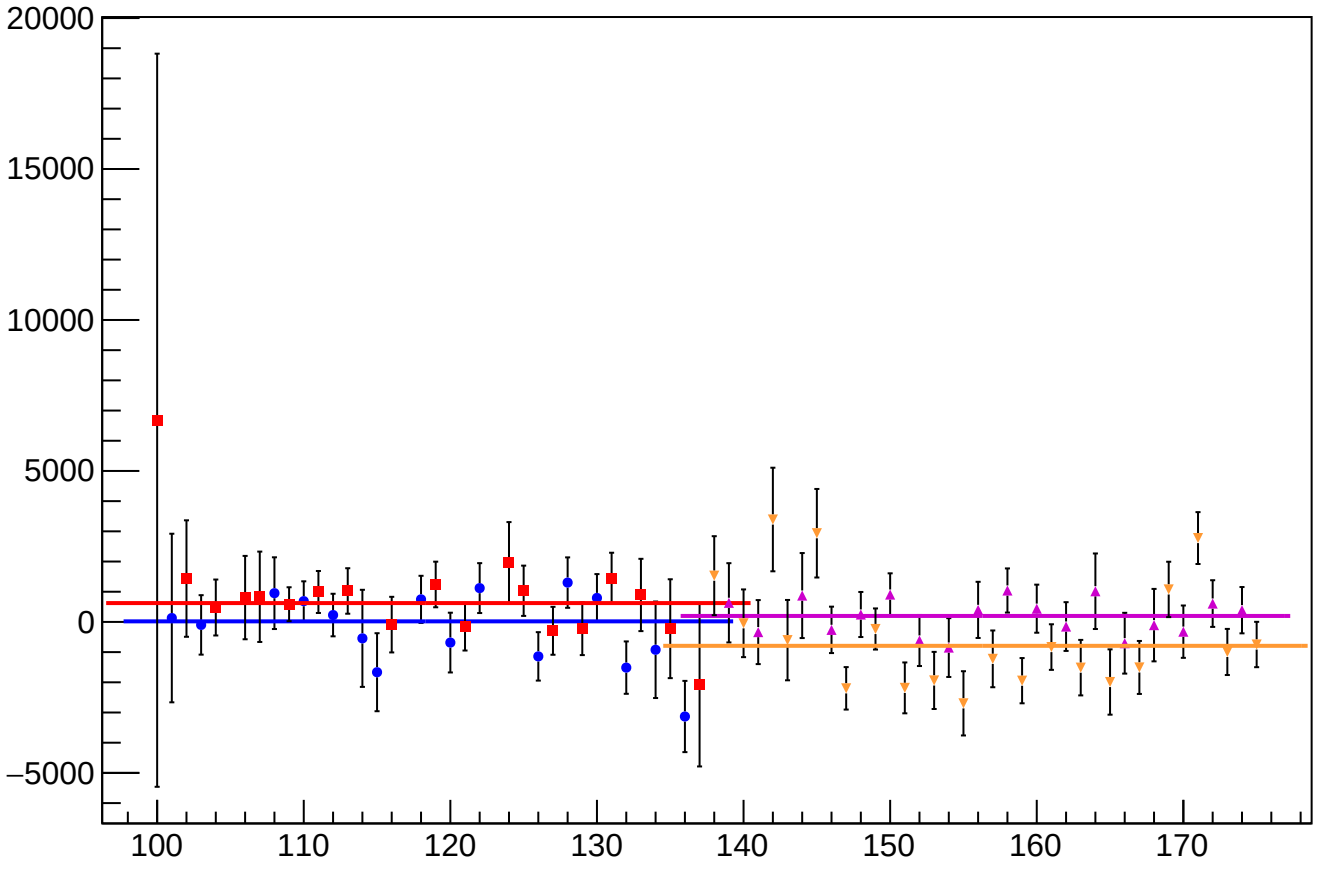
Left: 2733.742+/-0.349 χ^2/NDF: 4385.5/37

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.382+/-0.418 χ^2/NDF:754983.2/33

Out: 2751.376+/-0.405 χ^2/NDF:153304.2/38

All: 2753.798+/-0.291 χ^2/NDF: 908361.5/72



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 198.033+/-208.040 χ^2/NDF:7.7/17

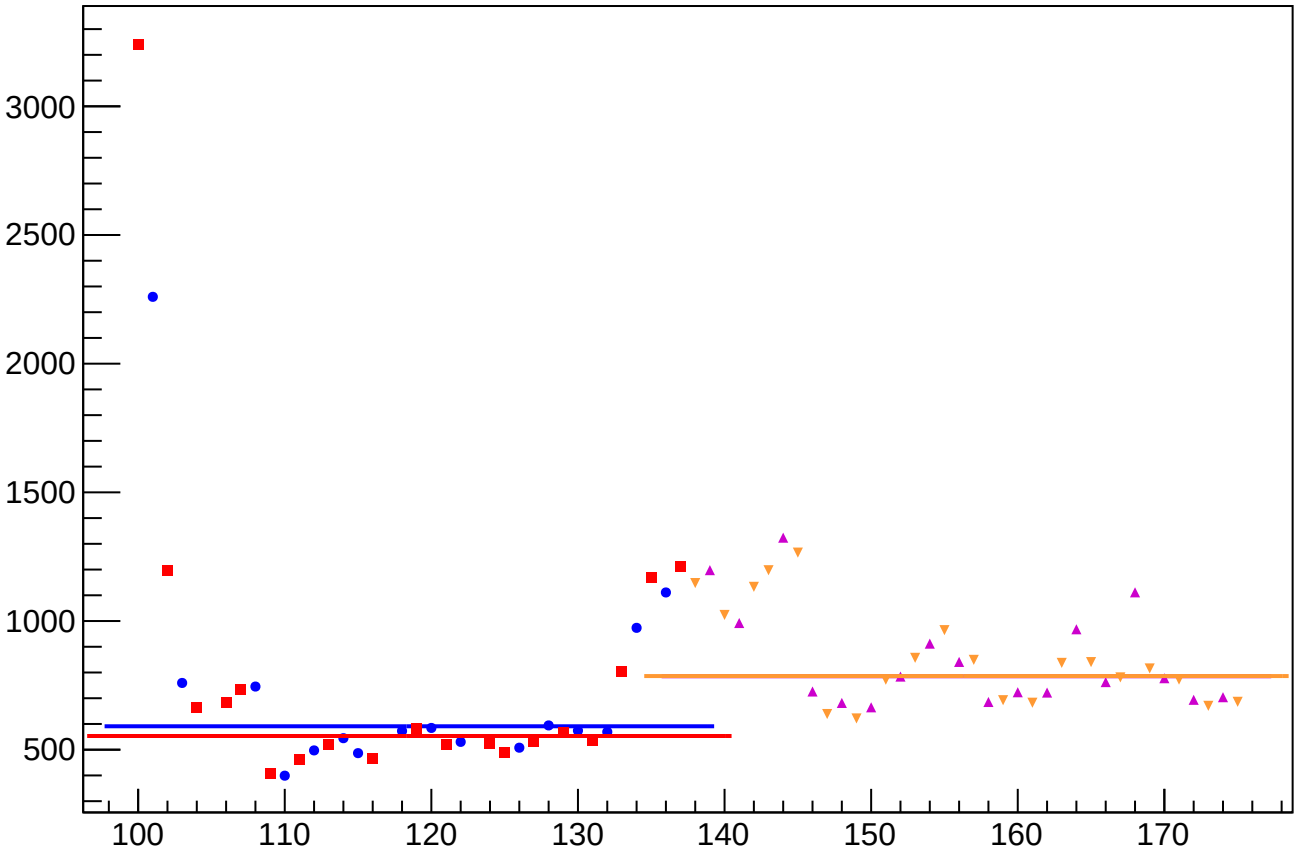
Left: -310.038+/-145.122 χ^2/NDF: 74.0/37

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 118.768+/-155.322 χ^2/NDF:30.8/33

Out: -128.858+/-147.714 χ^2/NDF:86.7/38

All: -11.258+/-107.038 χ^2/NDF: 118.8/72



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

Left: 785.753+/-0.103 χ^2/NDF: 2195990.7/37

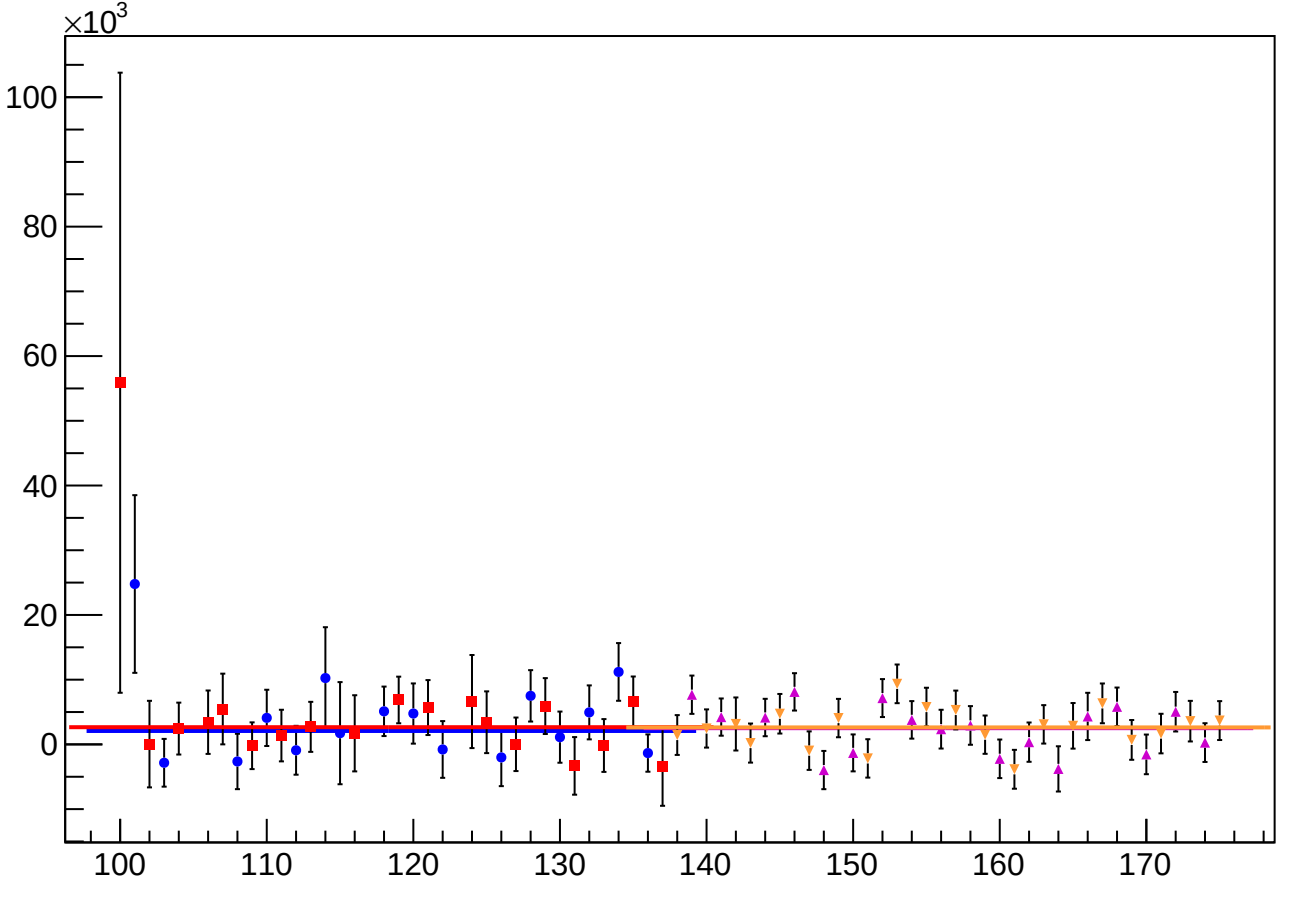
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.347+/-0.110 χ^2/NDF:3359353.3/33

Out: 677.118+/-0.104 χ^2/NDF:3515062.2/38

All: 687.675+/-0.076 χ^2/NDF: 6895926.5/72

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.849+/-686.275 χ^2/NDF:19.6/19

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2506.741+/-709.344 χ^2/NDF:27.6/17

Left: 2567.230+/-493.224 χ^2/NDF: 47.2/37

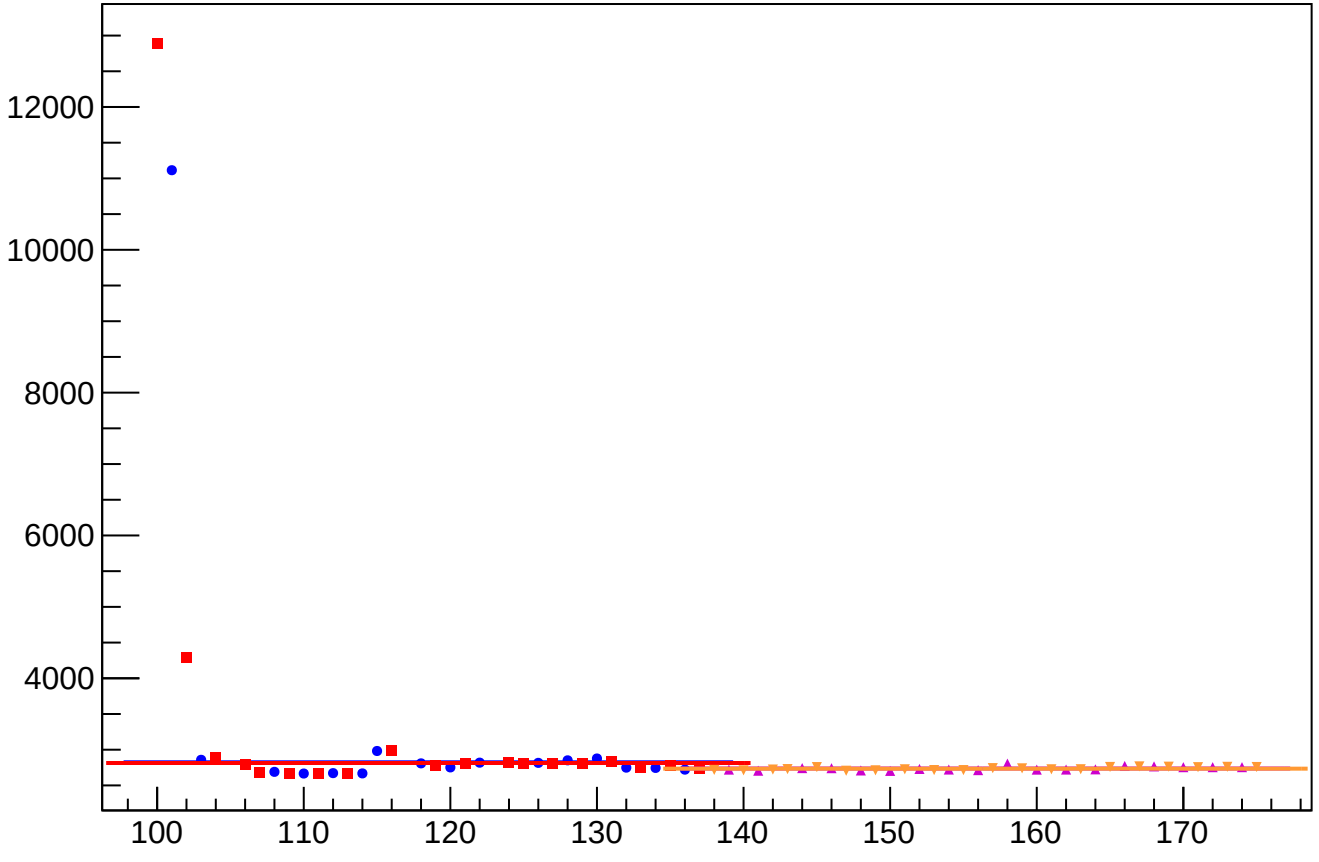
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2376.078+/-592.429 χ^2/NDF:45.6/33

Out: 2633.864+/-574.436 χ^2/NDF:29.5/38

All: 2508.945+/-412.402 χ^2/NDF: 75.2/72

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

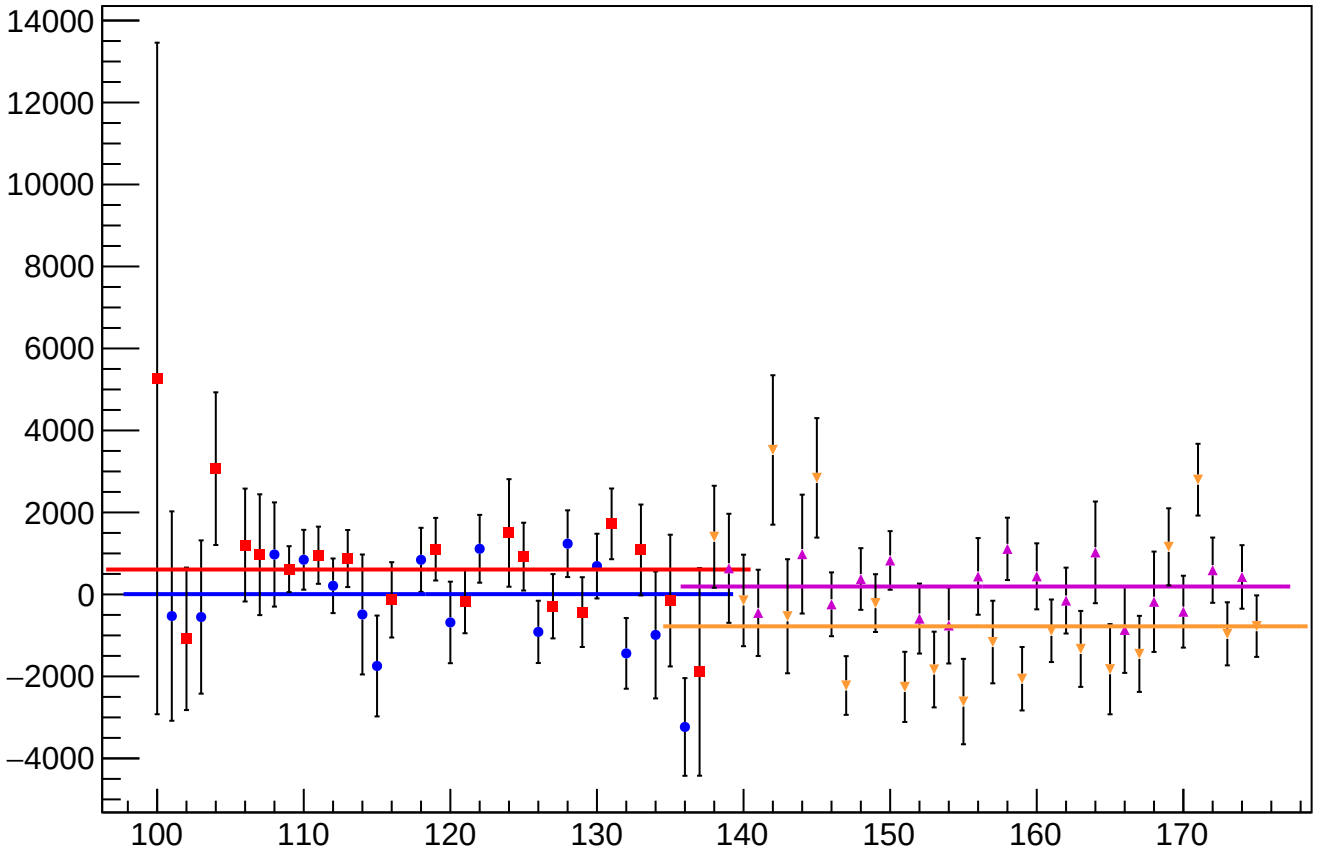
Left: 2735.417+/-0.349 χ^2/NDF: 4394.8/37

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2762.736+/-0.419 χ^2/NDF:755727.4/33

Out: 2758.239+/-0.406 χ^2/NDF:210197.1/38

All: 2760.418+/-0.292 χ^2/NDF: 965983.9/72



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.381+/-205.920 χ^2/NDF:53.0/19

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 192.652+/-210.426 χ^2/NDF:8.0/17

Left: -303.373+/-147.175 χ^2/NDF: 71.9/37

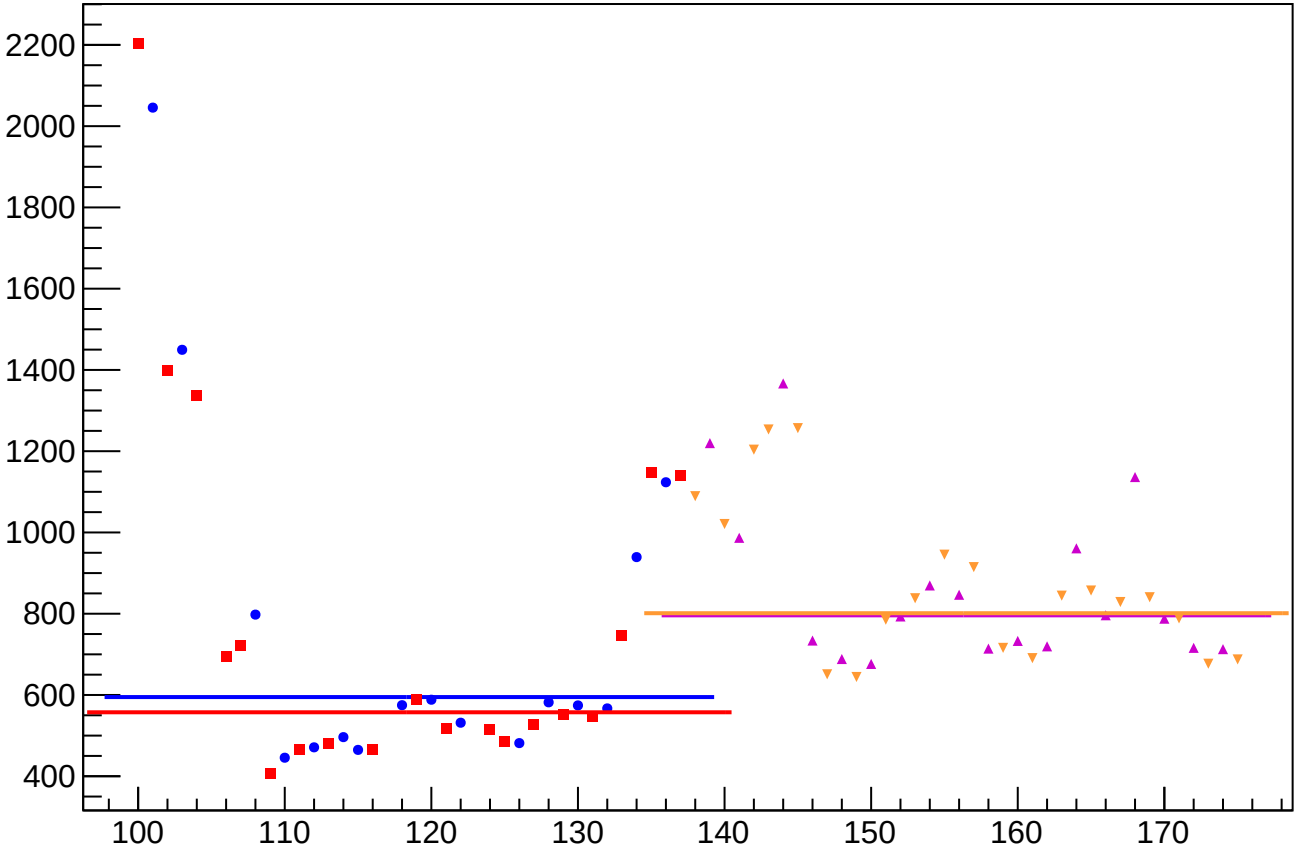
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 111.010+/-157.487 χ^2/NDF:31.2/33

Out: -121.952+/-149.401 χ^2/NDF:86.6/38

All: -11.604+/-108.388 χ^2/NDF: 118.9/72

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123132.9/19

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 795.990+/-0.149 χ^2/NDF:993649.3/17

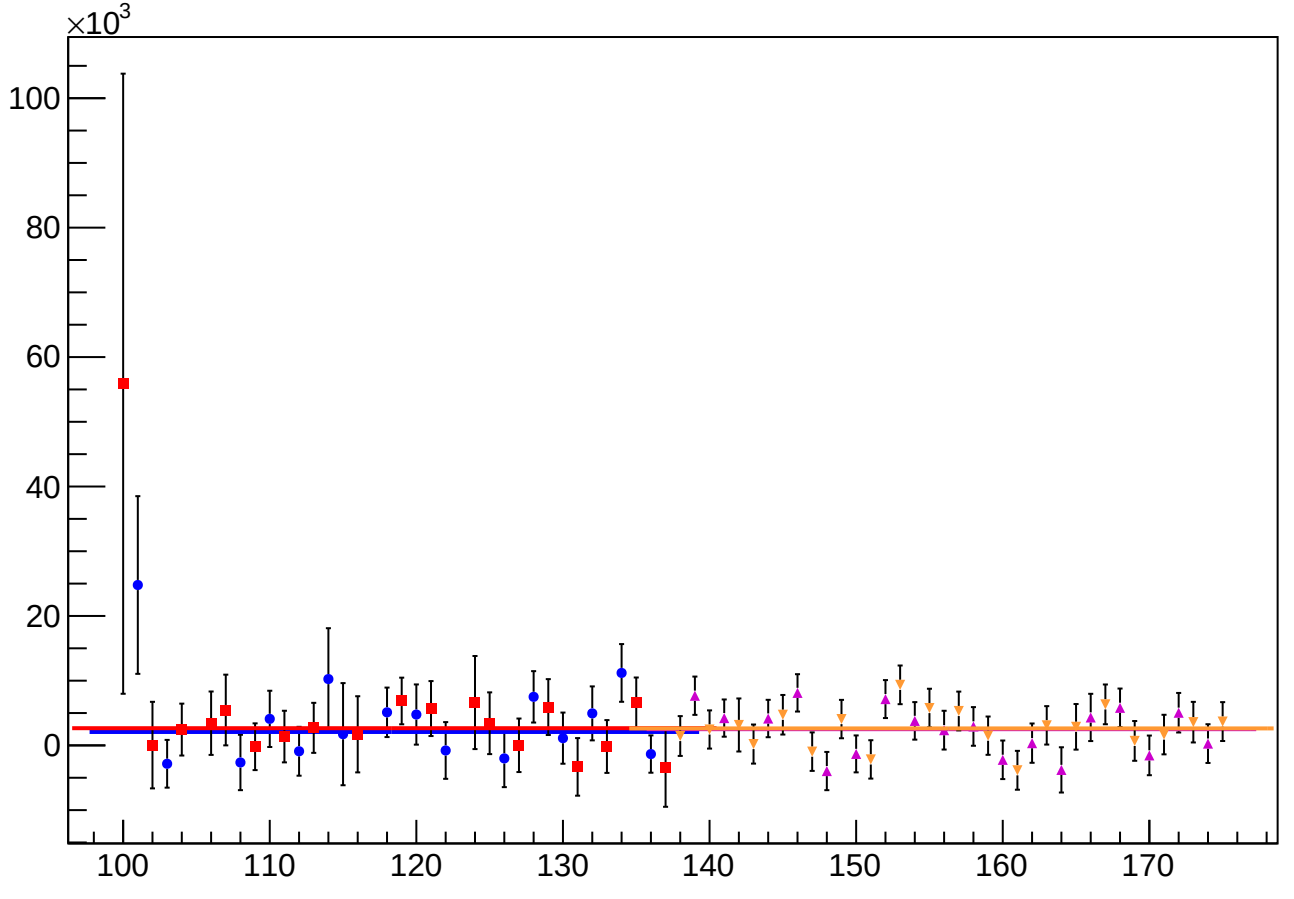
Left: 798.679+/-0.104 χ^2/NDF: 2117421.3/37

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 707.518+/-0.111 χ^2/NDF:3650052.1/33

Out: 685.762+/-0.106 χ^2/NDF:4082803.4/38

All: 696.067+/-0.077 χ^2/NDF: 7752944.4/72



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.850+/-686.275 χ^2/NDF:19.6/19

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2506.741+/-709.344 χ^2/NDF:27.6/17

Left: 2567.231+/-493.224 χ^2/NDF: 47.2/37

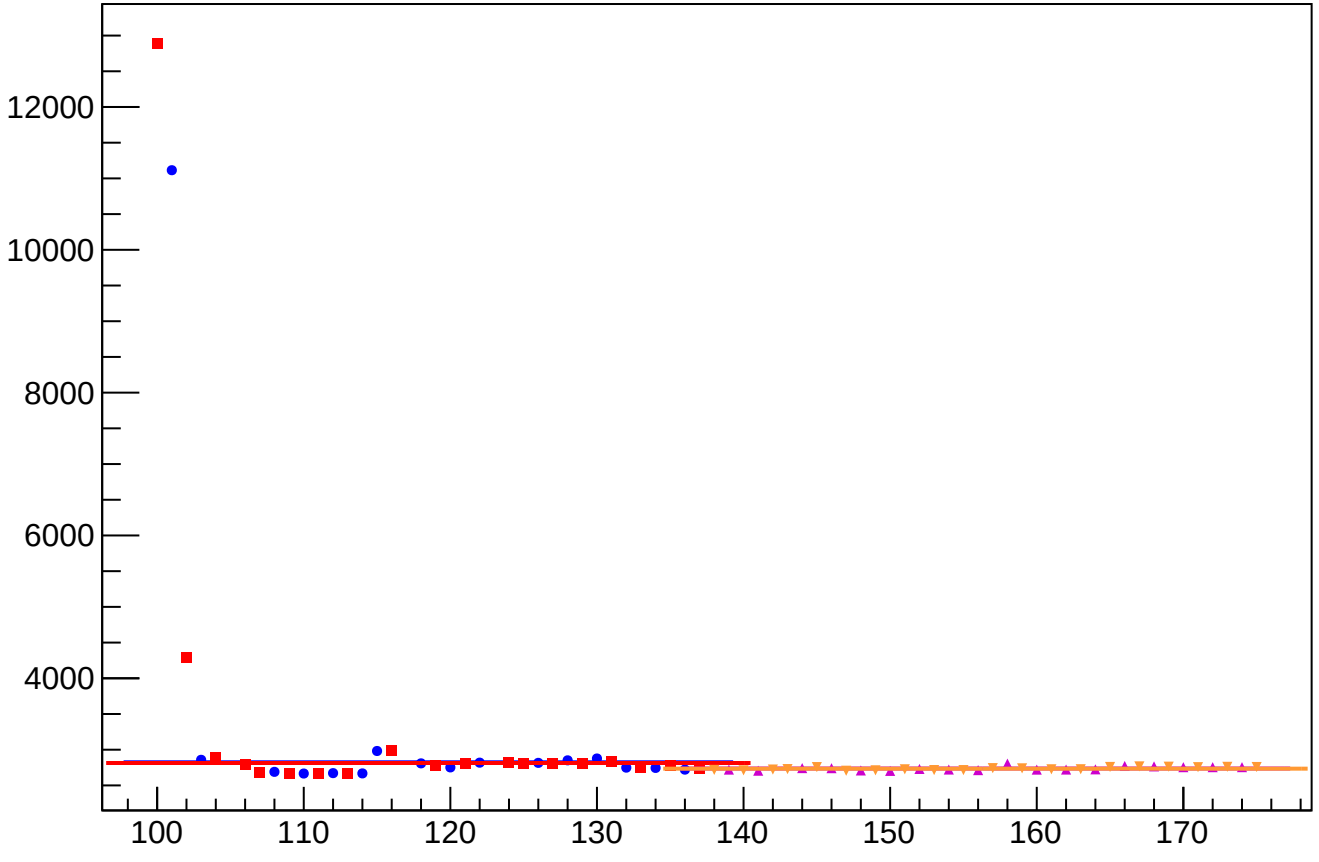
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2376.078+/-592.429 χ^2/NDF:45.6/33

Out: 2633.864+/-574.436 χ^2/NDF:29.5/38

All: 2508.945+/-412.402 χ^2/NDF: 75.2/72

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

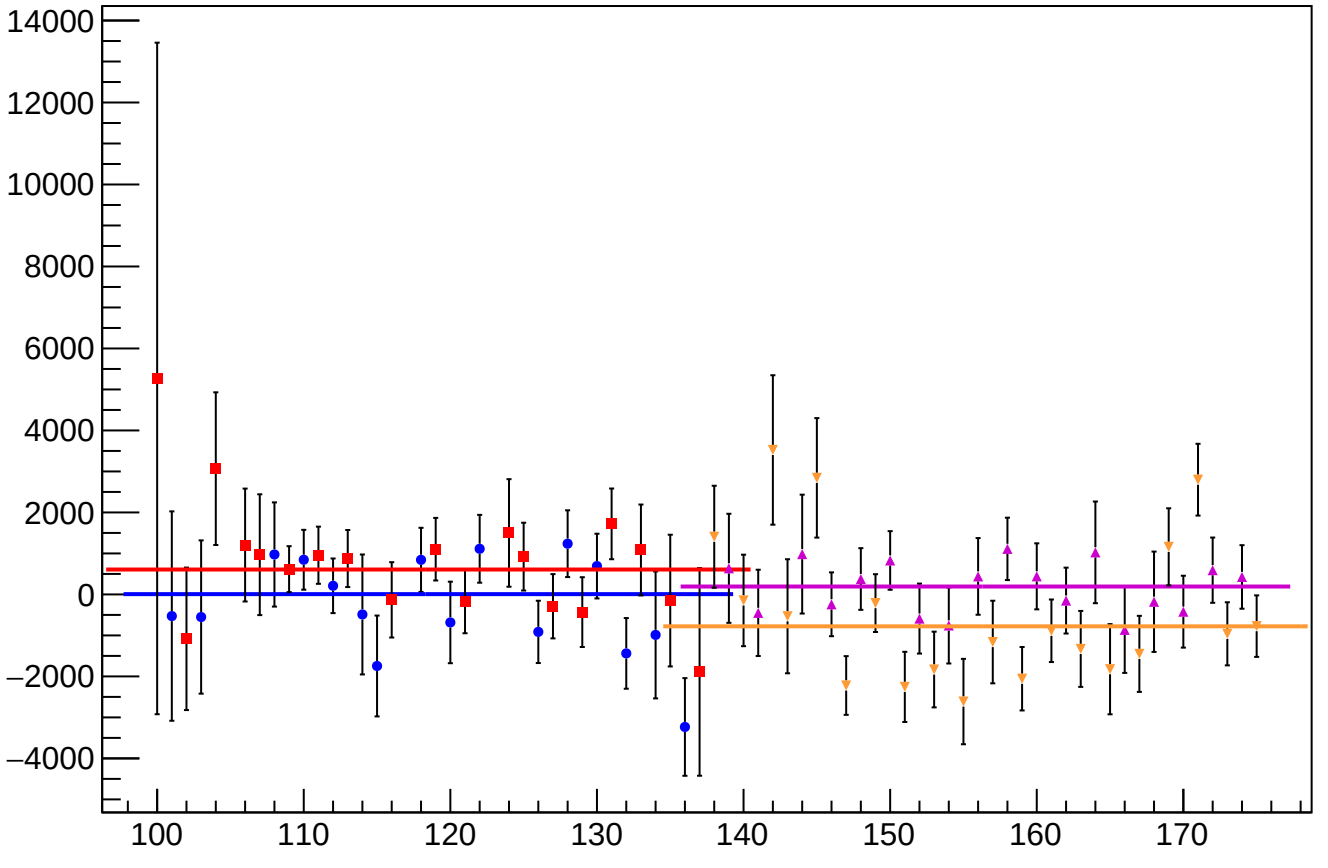
Left: 2735.417+/-0.349 χ^2/NDF: 4394.8/37

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.736+/-0.419 χ^2/NDF:755727.4/33

Out: 2758.239+/-0.406 χ^2/NDF:210196.8/38

All: 2760.418+/-0.292 χ^2/NDF: 965983.6/72



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.382+/-205.920 χ^2/NDF:53.0/19

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 192.653+/-210.426 χ^2/NDF:8.0/17

Left: -303.374+/-147.175 χ^2/NDF: 71.9/37

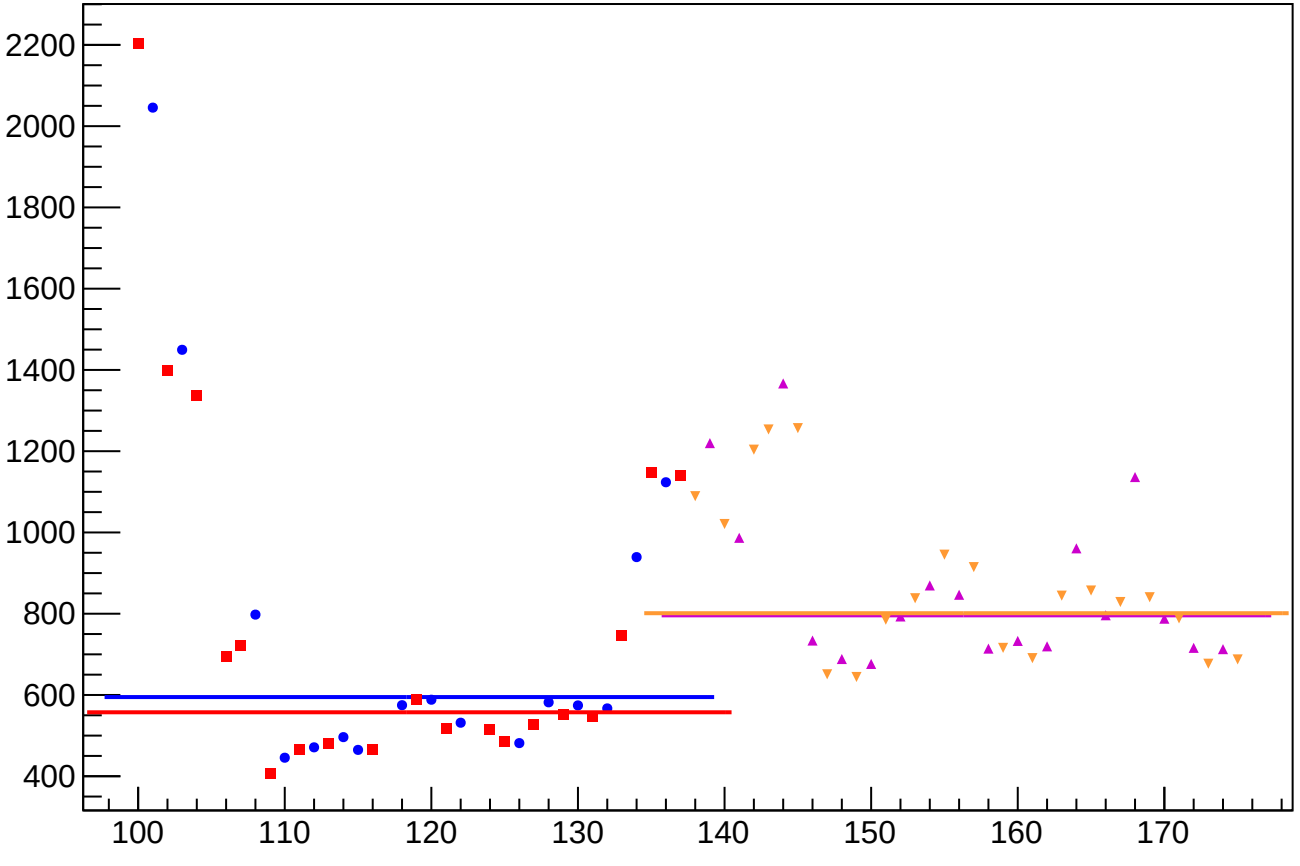
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 111.011+/-157.487 χ^2/NDF:31.2/33

Out: -121.953+/-149.401 χ^2/NDF:86.6/38

All: -11.604+/-108.388 χ^2/NDF: 118.9/72

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123135.7/19

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 795.990+/-0.149 χ^2/NDF:993653.0/17

Left: 798.679+/-0.104 χ^2/NDF: 2117427.8/37

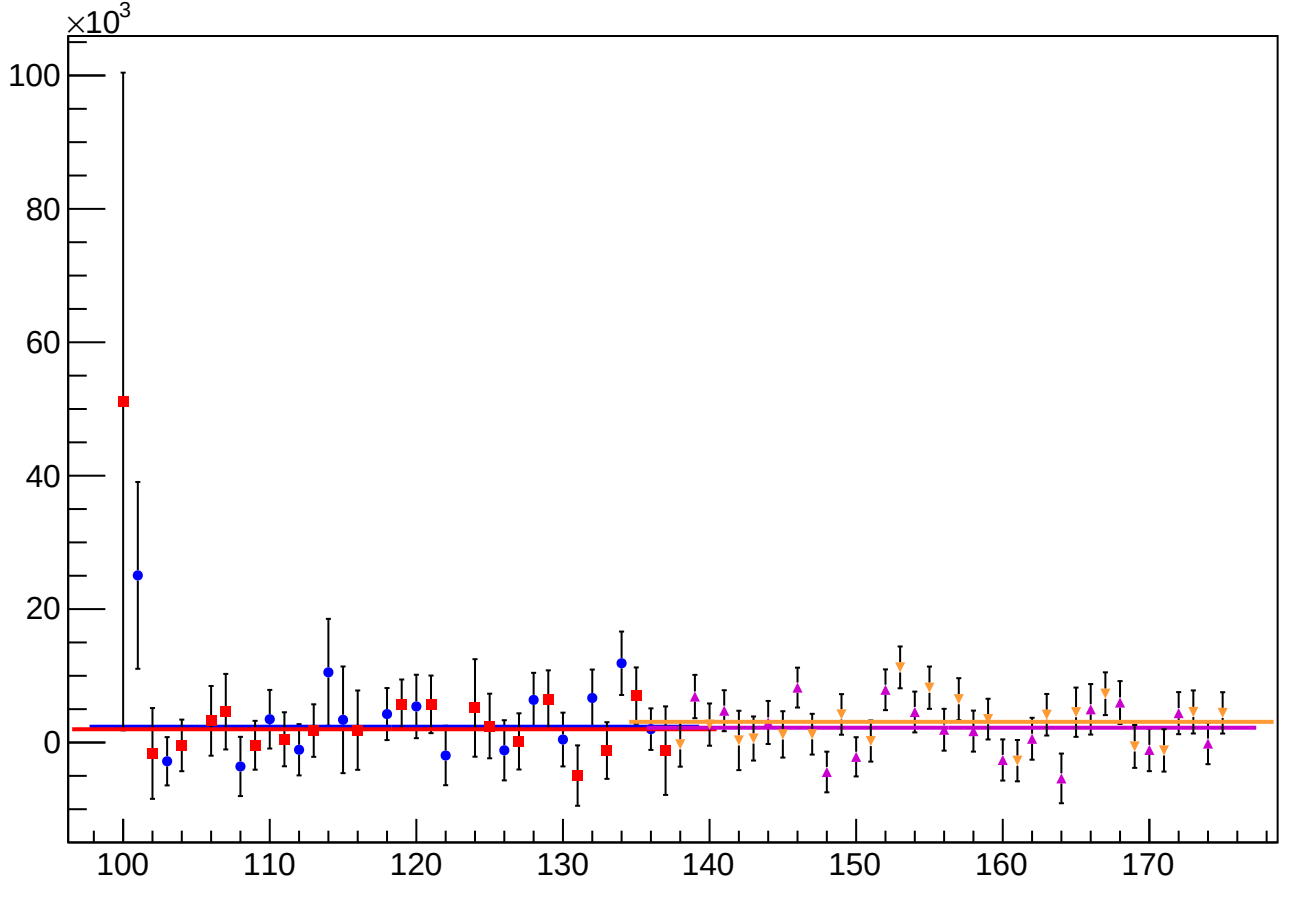
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 707.518+/-0.111 χ^2/NDF:3650045.9/33

Out: 685.762+/-0.106 χ^2/NDF:4082802.7/38

All: 696.067+/-0.077 χ^2/NDF: 7752937.7/72

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3098.244+/-722.221 χ^2/NDF:23.3/19

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2216.083+/-744.886 χ^2/NDF:28.9/17

Left: 2670.788+/-518.515 χ^2/NDF: 52.9/37

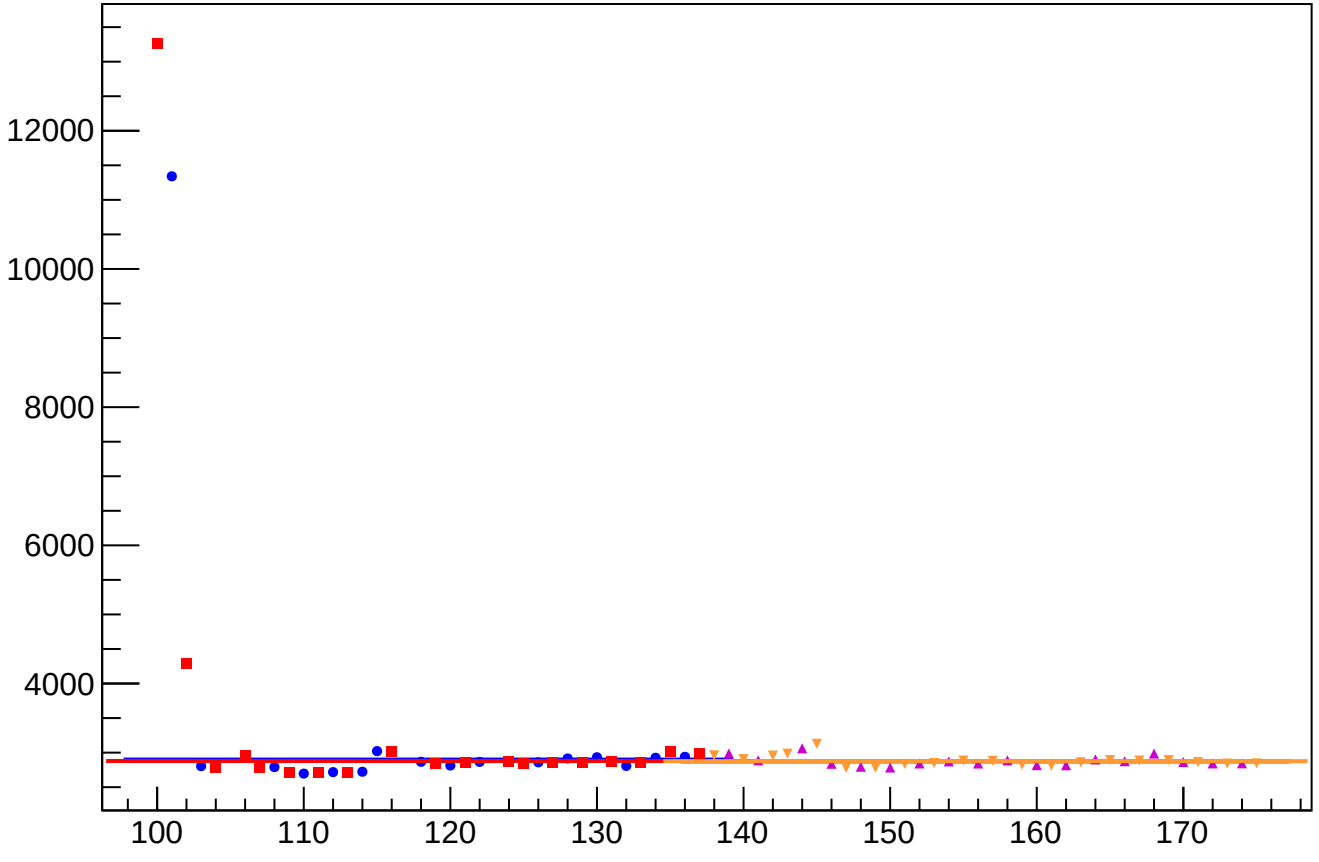
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2263.219+/-617.864 χ^2/NDF:45.7/33

Out: 2752.807+/-599.544 χ^2/NDF:34.3/38

All: 2515.378+/-430.273 χ^2/NDF: 80.4/72

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.431+/-0.511 χ^2/NDF:21128.1/19

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2872.586+/-0.527 χ^2/NDF:17337.2/17

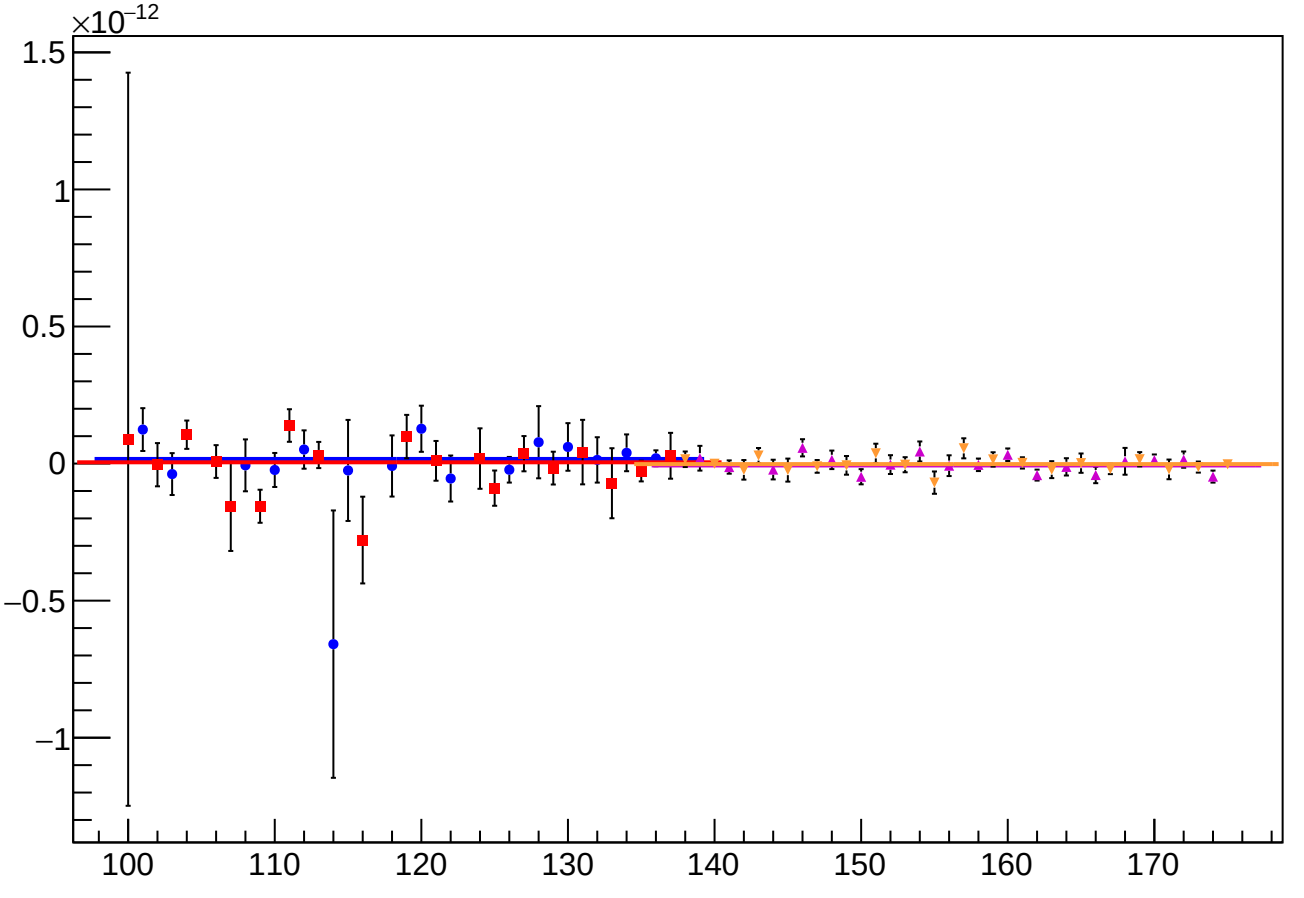
Left: 2874.568+/-0.367 χ^2/NDF: 38492.7/37

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2881.084+/-0.437 χ^2/NDF:759989.8/33

Out: 2877.216+/-0.424 χ^2/NDF:214418.2/38

All: 2879.092+/-0.304 χ^2/NDF: 974448.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/17

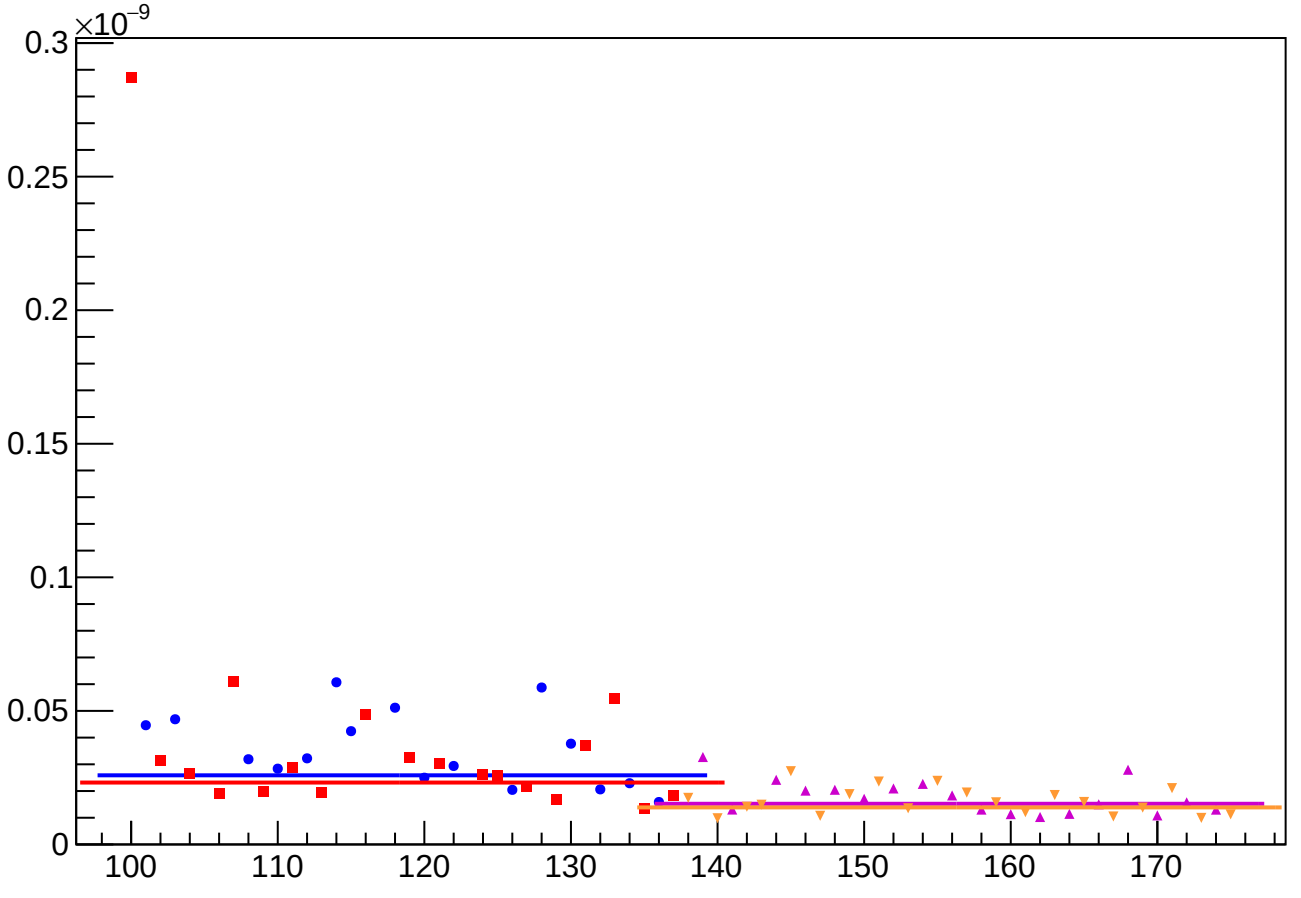
Left: -0.000+/-0.000 χ^2/NDF: 33.7/37

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:32.3/33

Out: -0.000+/-0.000 χ^2/NDF:37.6/38

All: -0.000+/-0.000 χ^2/NDF: 70.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1083191.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1172313.8/17

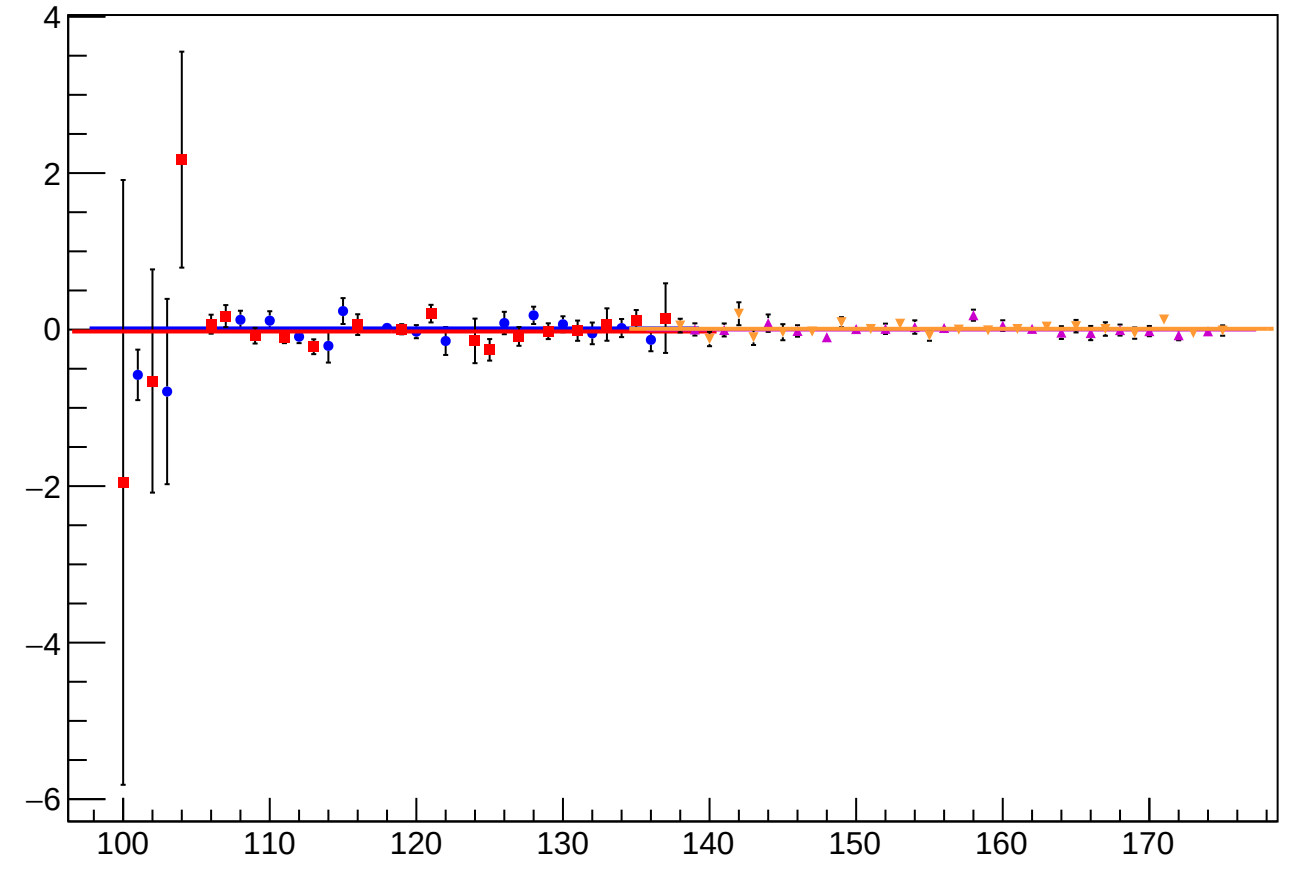
Left: 0.000+/-0.000 χ^2/NDF: 2303329.5/37

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2729494.9/33

Out: 0.000+/-0.000 χ^2/NDF:2391539.6/38

All: 0.000+/-0.000 χ^2/NDF: 5202750.2/72



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

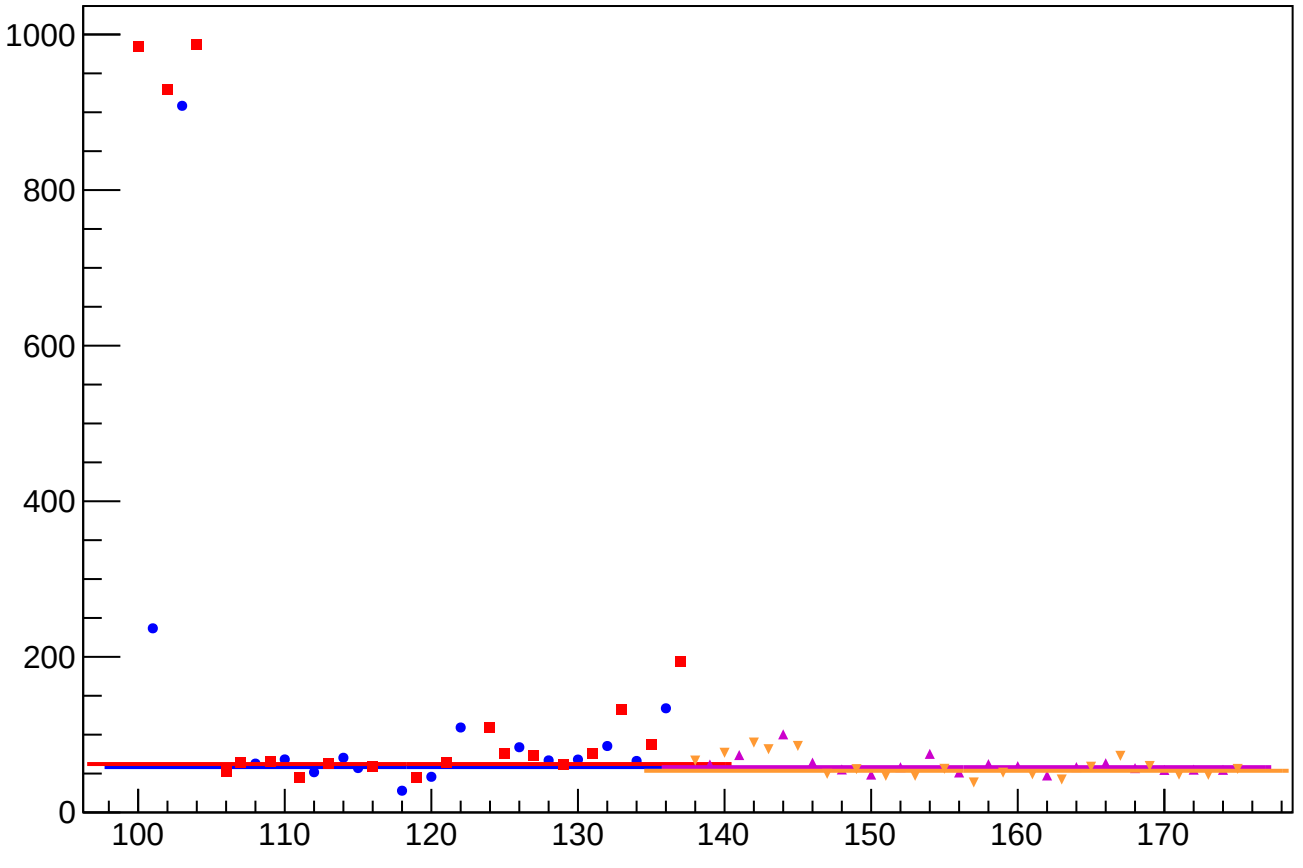
Left: 0.006+/-0.011 χ^2/NDF: 28.8/37

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.004+/-0.010 χ^2/NDF: 65.8/72



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

Left: 55.712+/-0.008 χ^2/NDF: 1814639.8/37

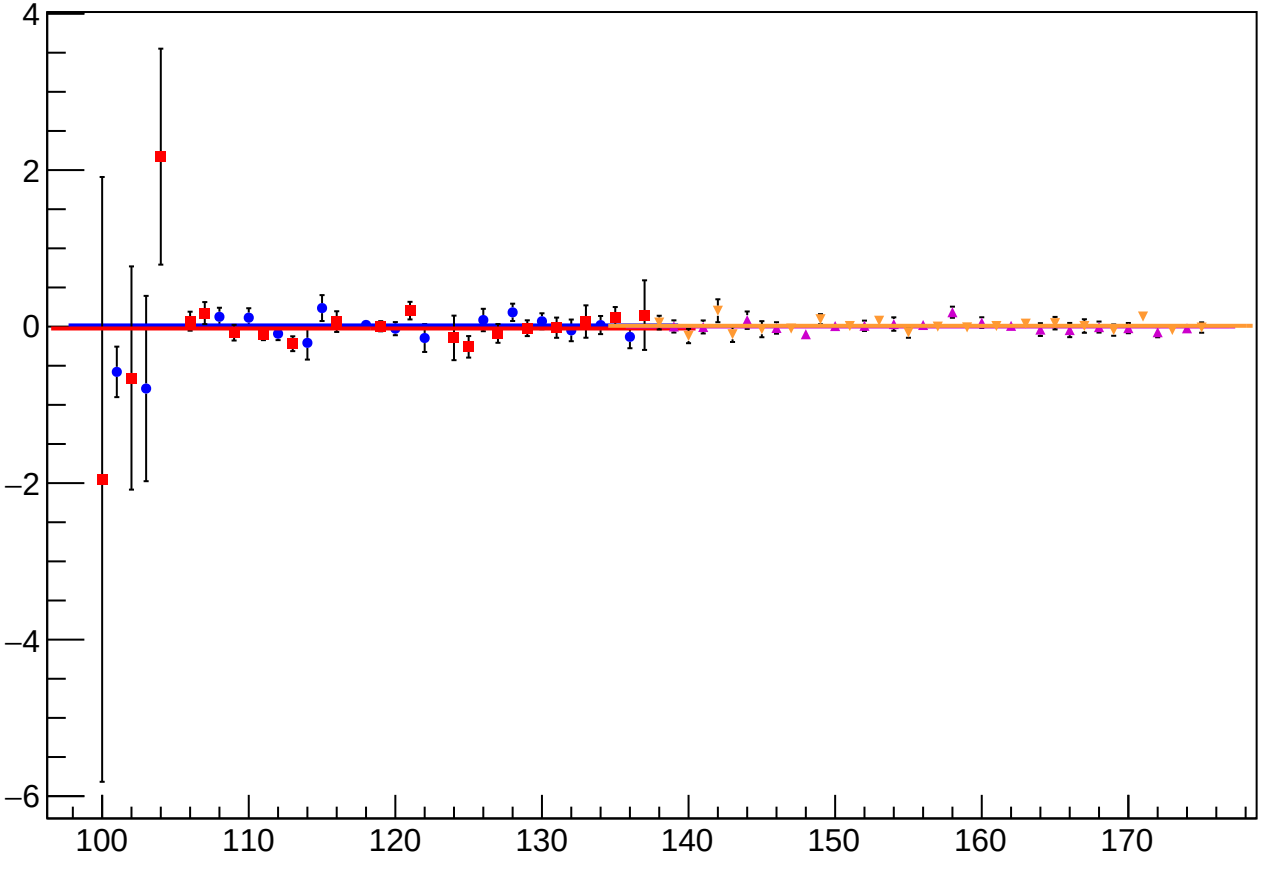
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.245+/-0.010 χ^2/NDF:3897020.0/33

Out: 55.550+/-0.009 χ^2/NDF:3866939.4/38

All: 56.819+/-0.007 χ^2/NDF: 7802063.3/72

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

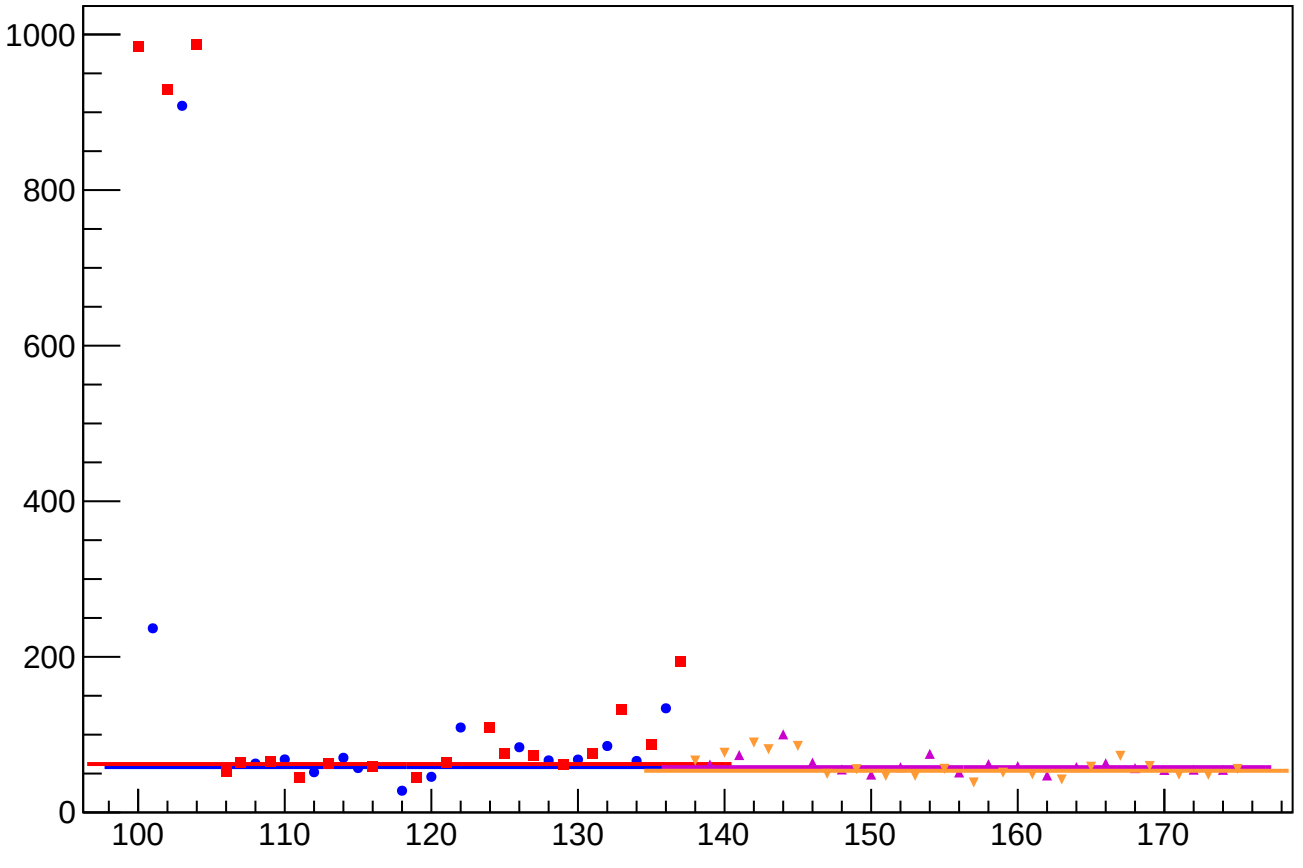
Left: 0.006+/-0.011 χ^2/NDF: 28.8/37

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.004+/-0.010 χ^2/NDF: 65.8/72



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

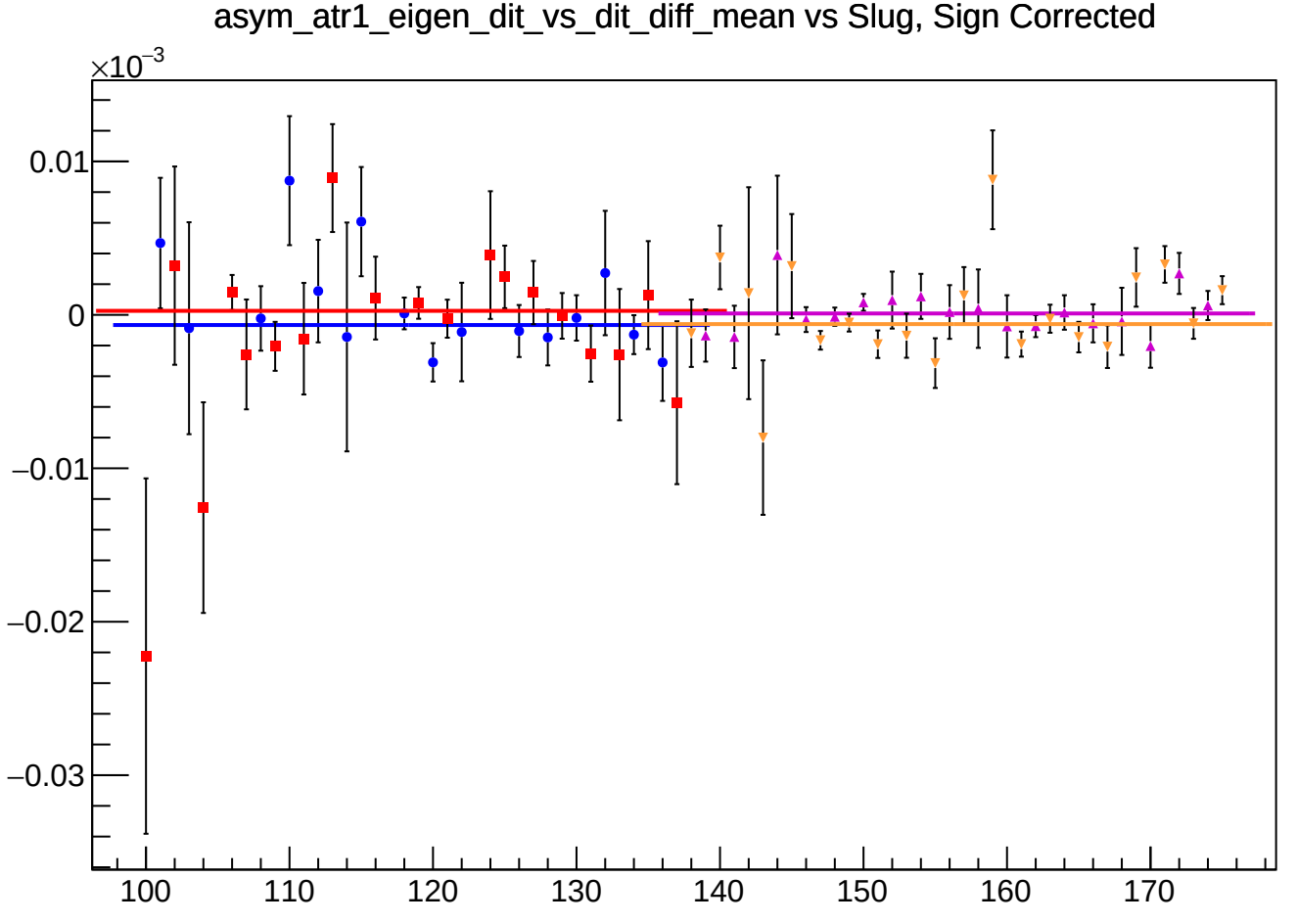
Left: 55.712+/-0.008 χ^2/NDF: 1814639.8/37

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.245+/-0.010 χ^2/NDF:3897020.0/33

Out: 55.550+/-0.009 χ^2/NDF:3866939.4/38

All: 56.819+/-0.007 χ^2/NDF: 7802063.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/17

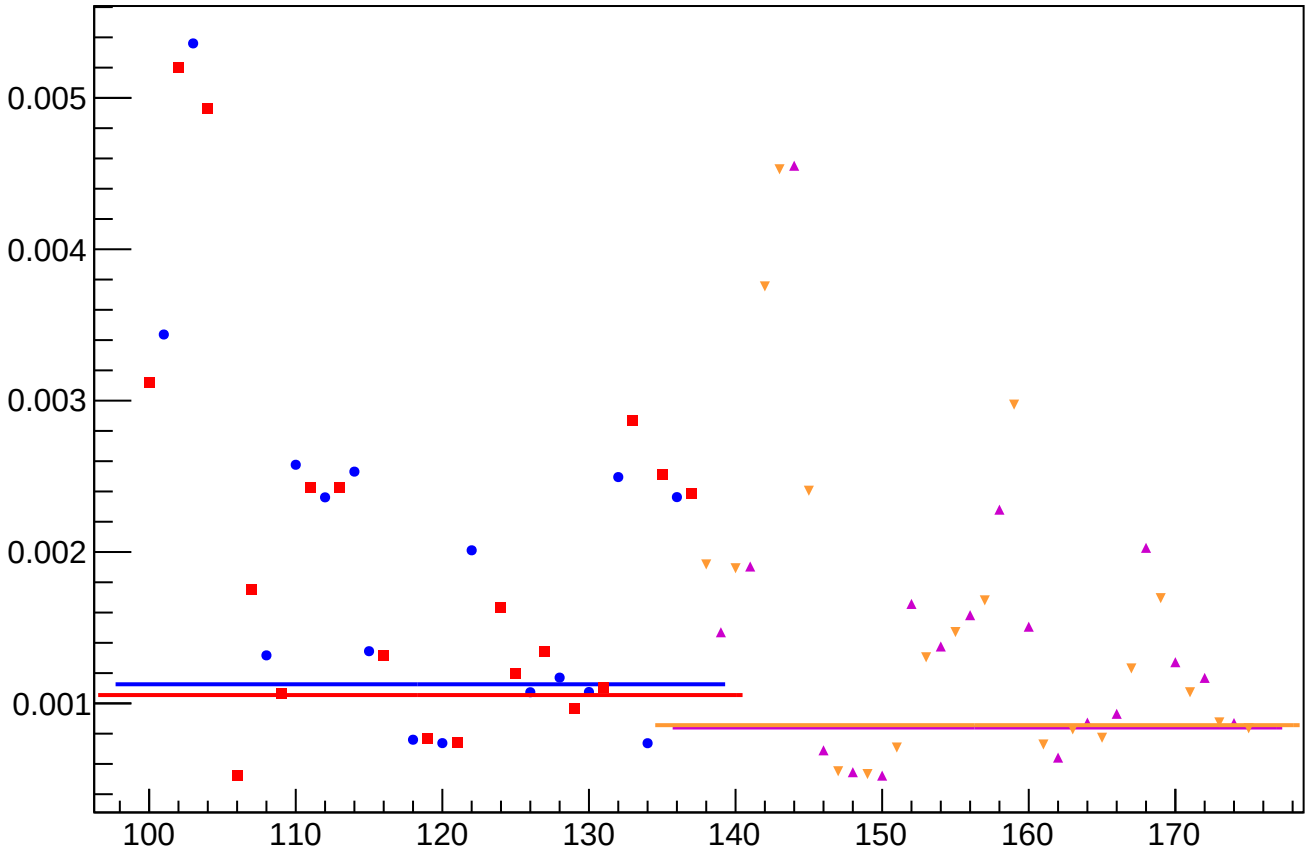
Left: -0.000+/-0.000 χ^2/NDF: 65.7/37

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:32.0/33

Out: -0.000+/-0.000 χ^2/NDF:76.3/38

All: -0.000+/-0.000 χ^2/NDF: 109.4/72



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6385047.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5997072.0/17

Left: 0.001+/-0.000 χ^2/NDF: 12385961.5/37

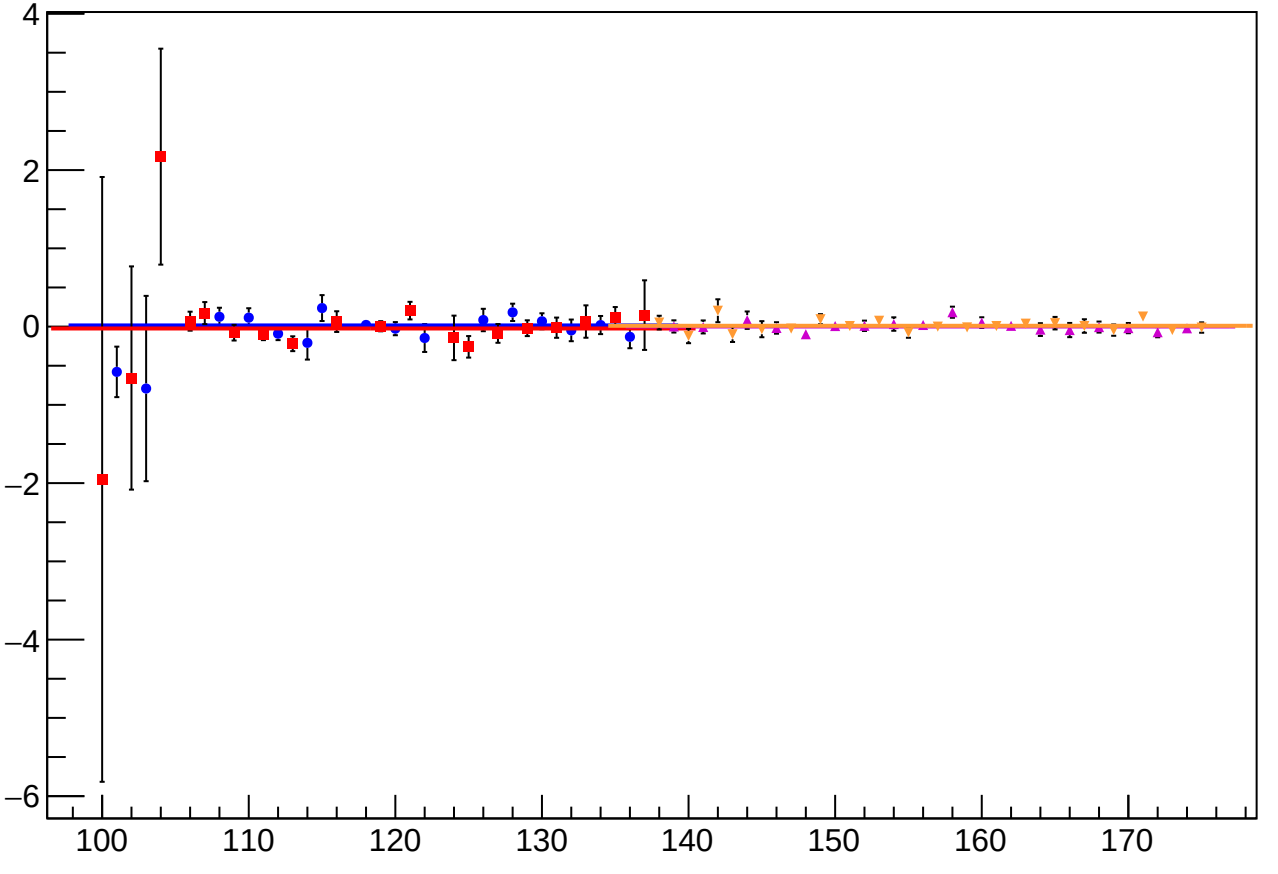
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9985854.1/33

Out: 0.001+/-0.000 χ^2/NDF:10518141.4/38

All: 0.001+/-0.000 χ^2/NDF: 20504003.2/72

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

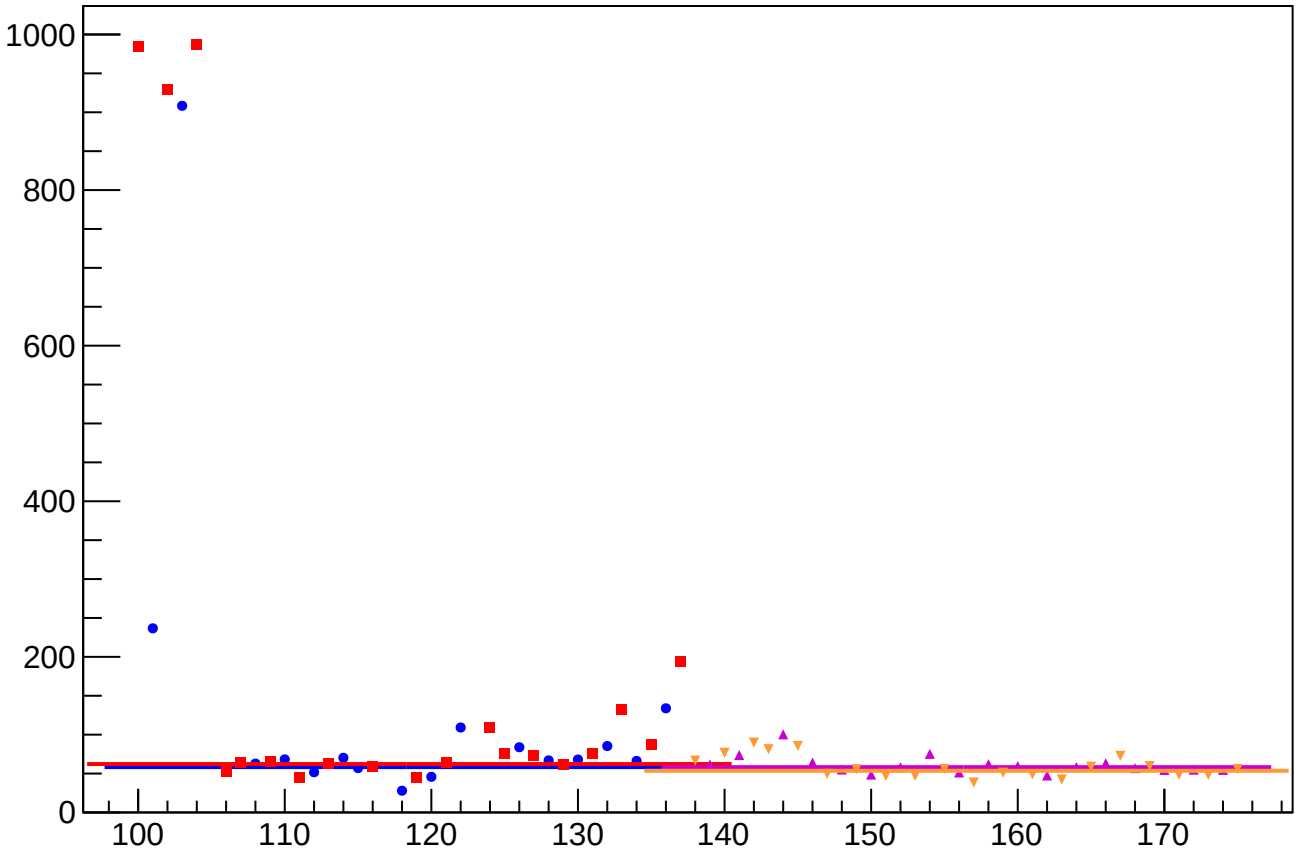
Left: 0.006+/-0.011 χ^2/NDF: 28.8/37

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.004+/-0.010 χ^2/NDF: 65.8/72



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

Left: 55.711+/-0.008 χ^2/NDF: 1814747.7/37

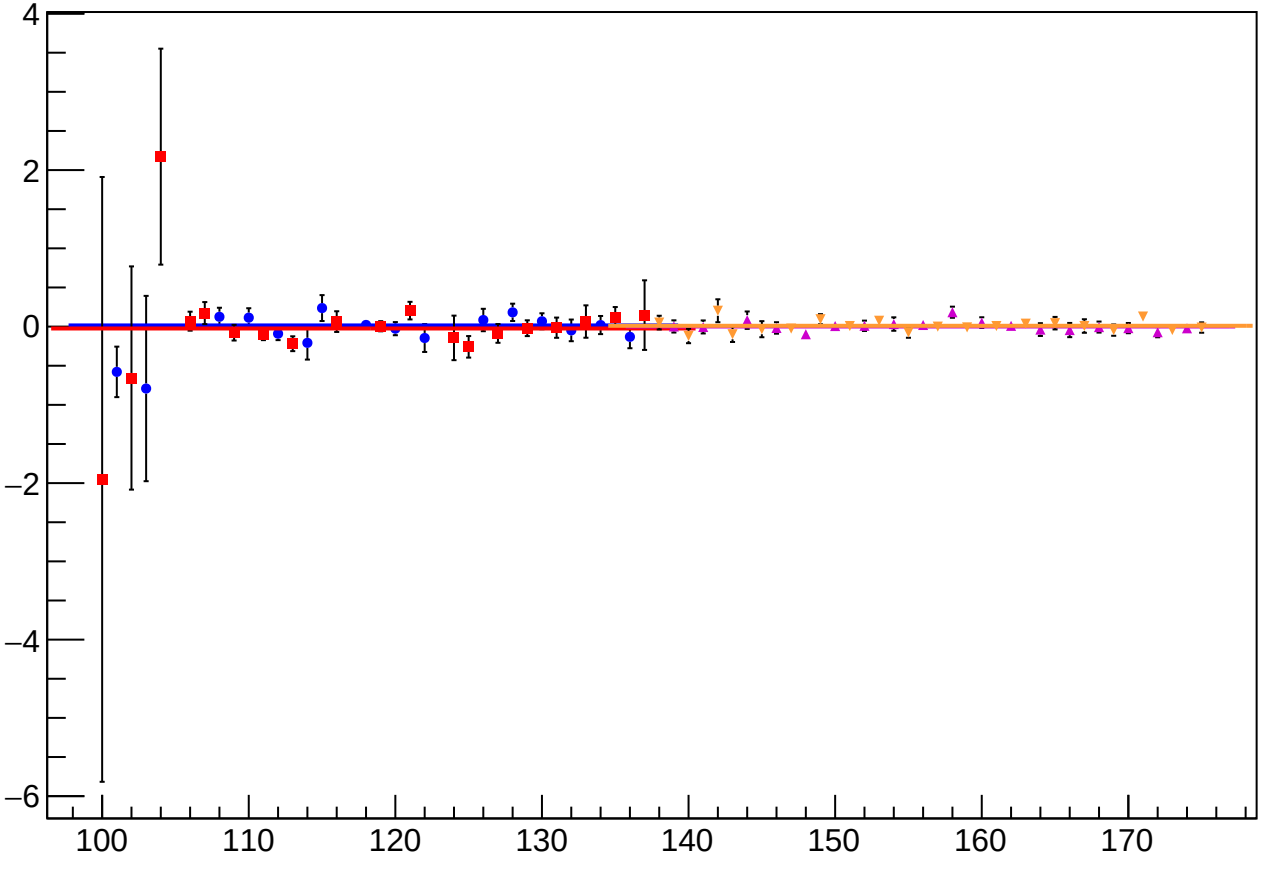
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.245+/-0.010 χ^2/NDF:3897122.4/33

Out: 55.550+/-0.009 χ^2/NDF:3867008.5/38

All: 56.819+/-0.007 χ^2/NDF: 7802241.5/72

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

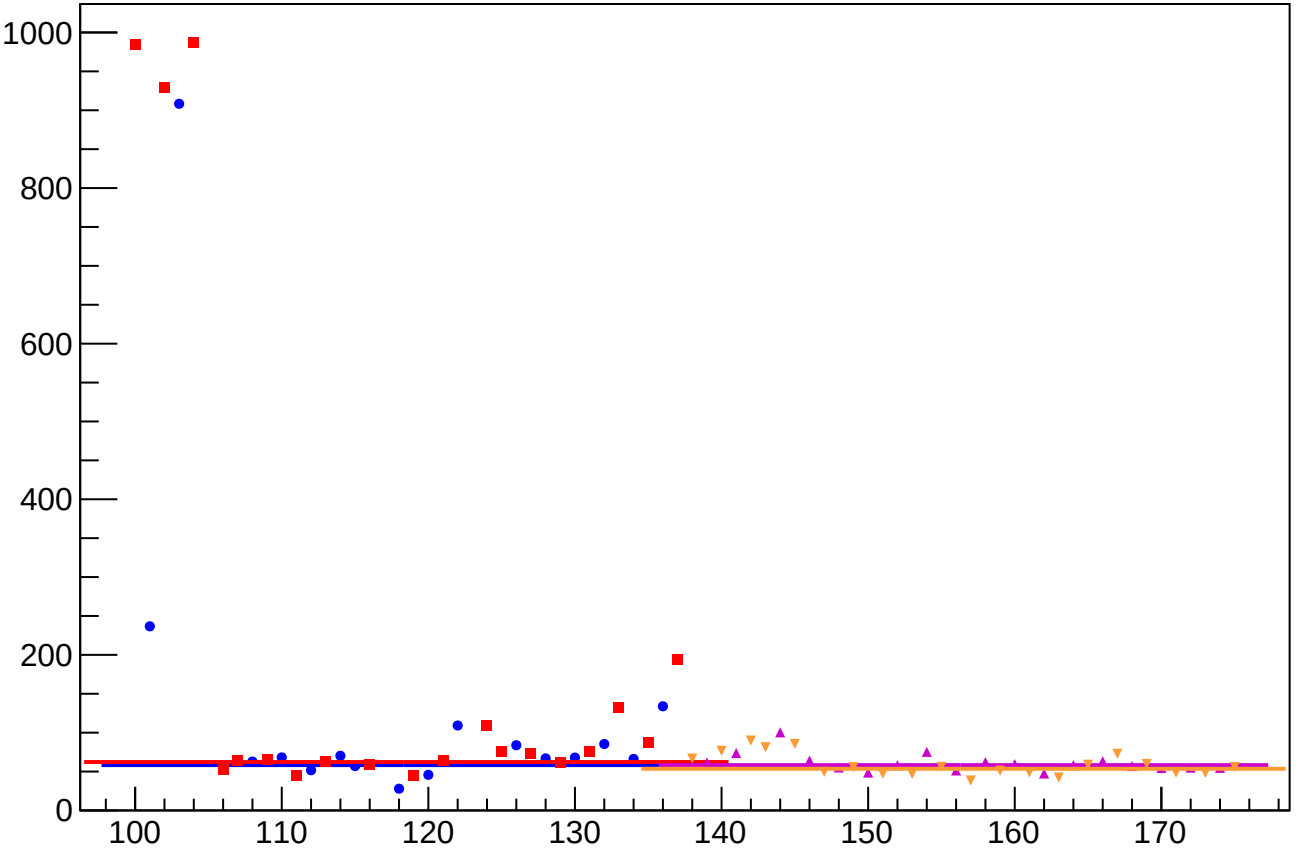
Left: 0.006+/-0.011 χ^2/NDF: 28.8/37

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.004+/-0.010 χ^2/NDF: 65.8/72



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

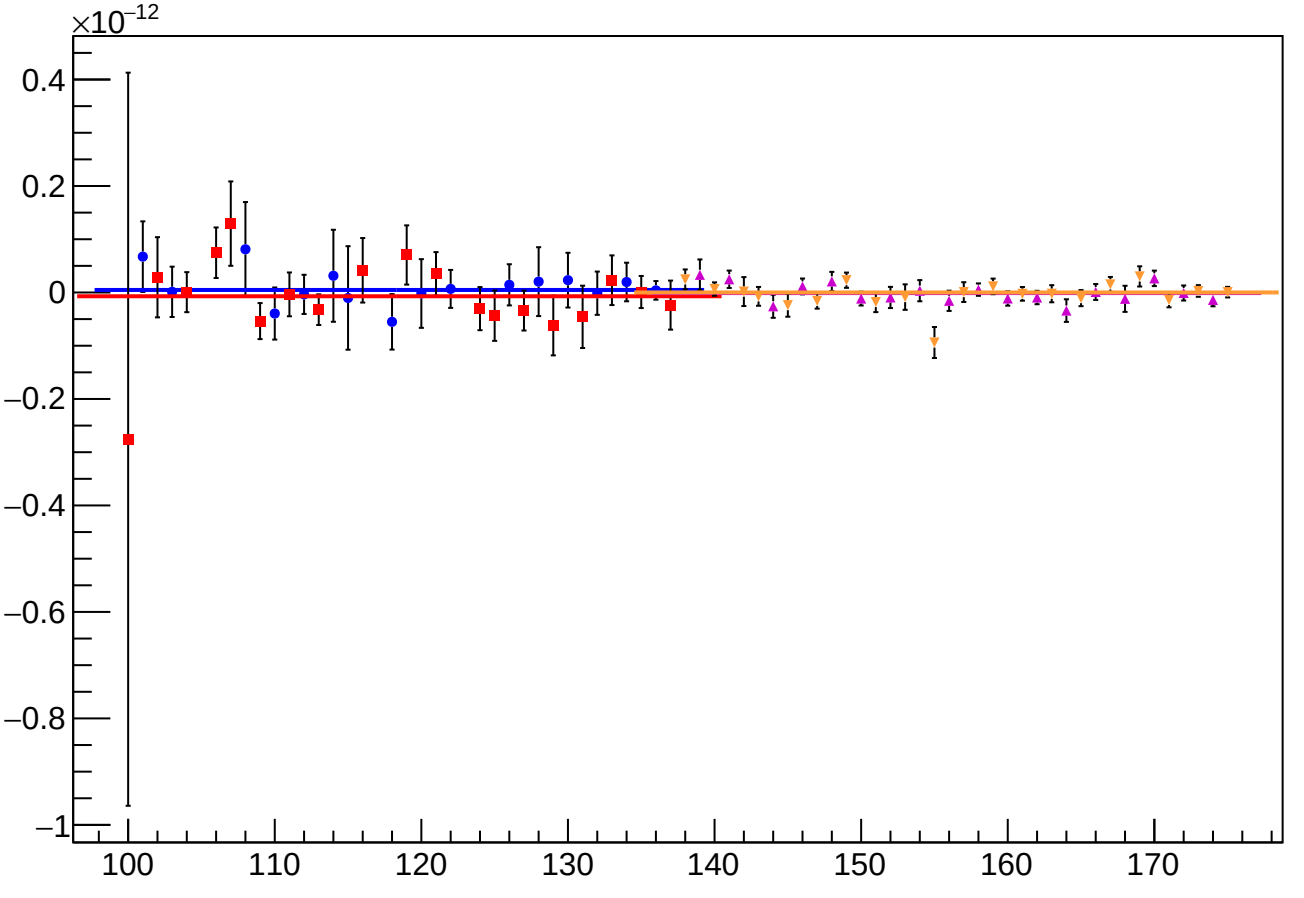
Left: 55.711+/-0.008 χ^2/NDF: 1814747.7/37

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.245+/-0.010 χ^2/NDF:3897122.4/33

Out: 55.550+/-0.009 χ^2/NDF:3867008.5/38

All: 56.819+/-0.007 χ^2/NDF: 7802241.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

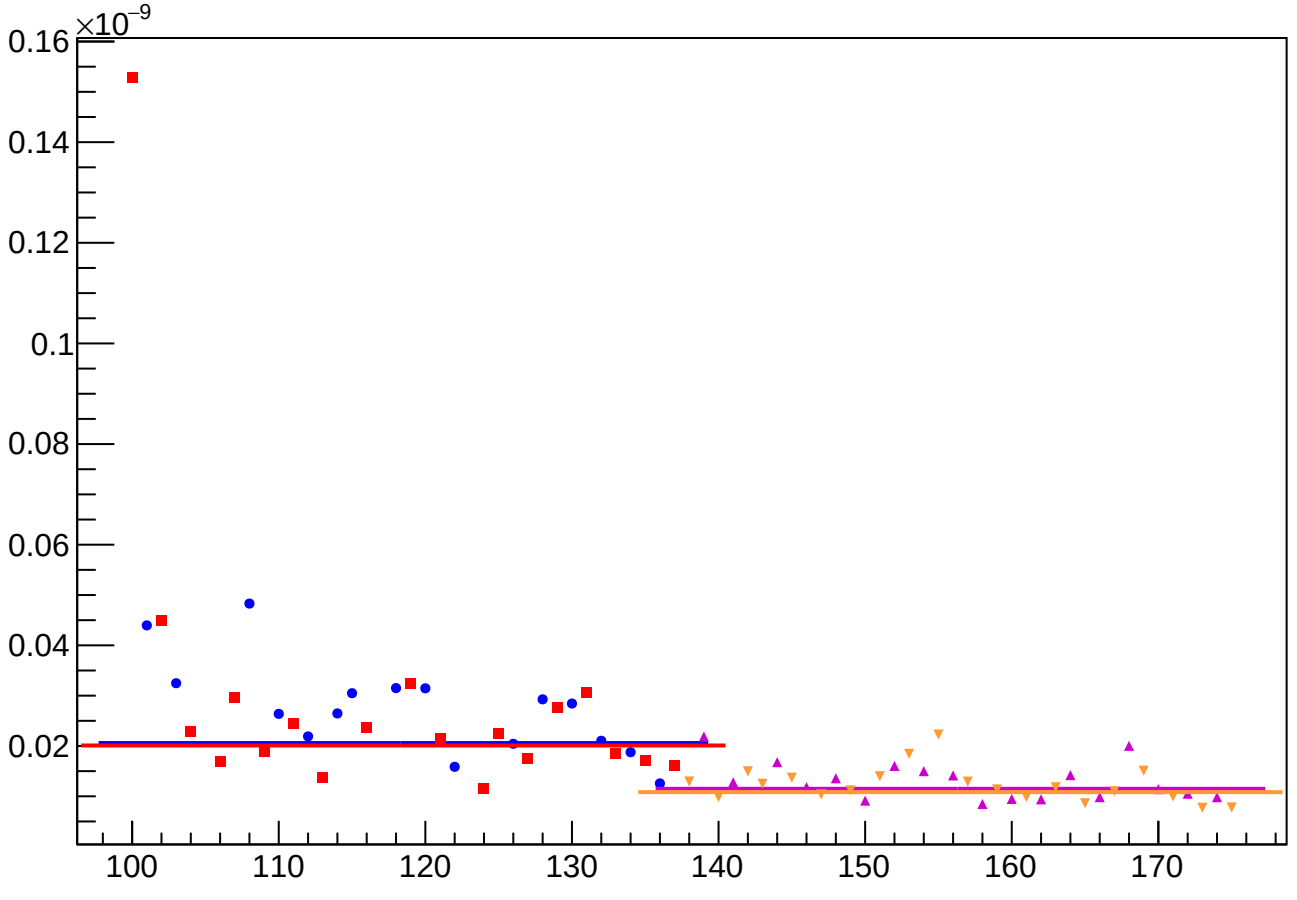
Left: -0.000+/-0.000 χ^2/NDF: 42.2/37

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:22.2/33

Out: -0.000+/-0.000 χ^2/NDF:41.1/38

All: -0.000+/-0.000 χ^2/NDF: 63.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1254722.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1270306.5/17

Left: 0.000+/-0.000 χ^2/NDF: 2559320.6/37

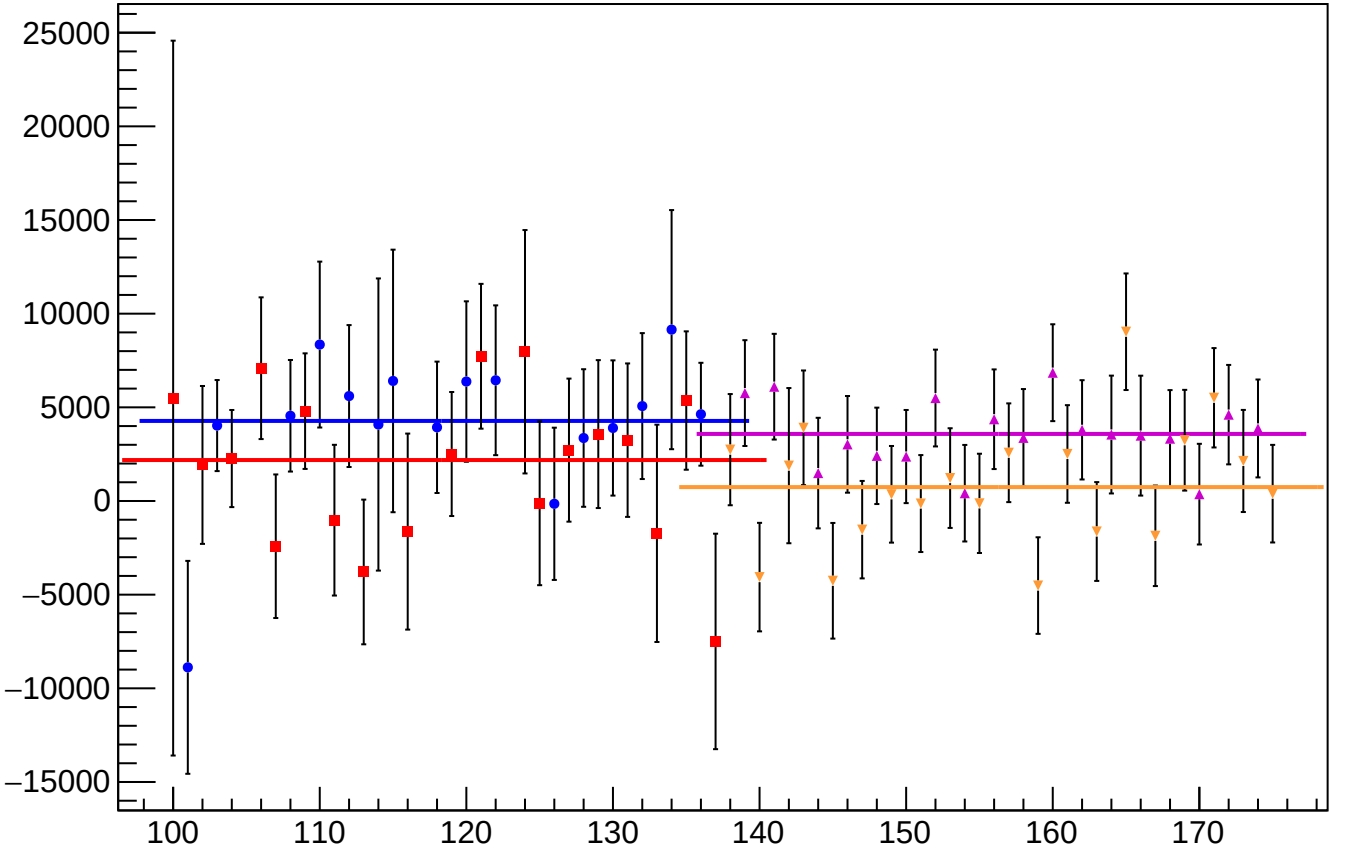
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3979908.1/33

Out: 0.000+/-0.000 χ^2/NDF:3572339.2/38

All: 0.000+/-0.000 χ^2/NDF: 7602523.5/72

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.465+/-617.351 χ^2/NDF:26.3/19

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3580.019+/-634.454 χ^2/NDF:7.7/17

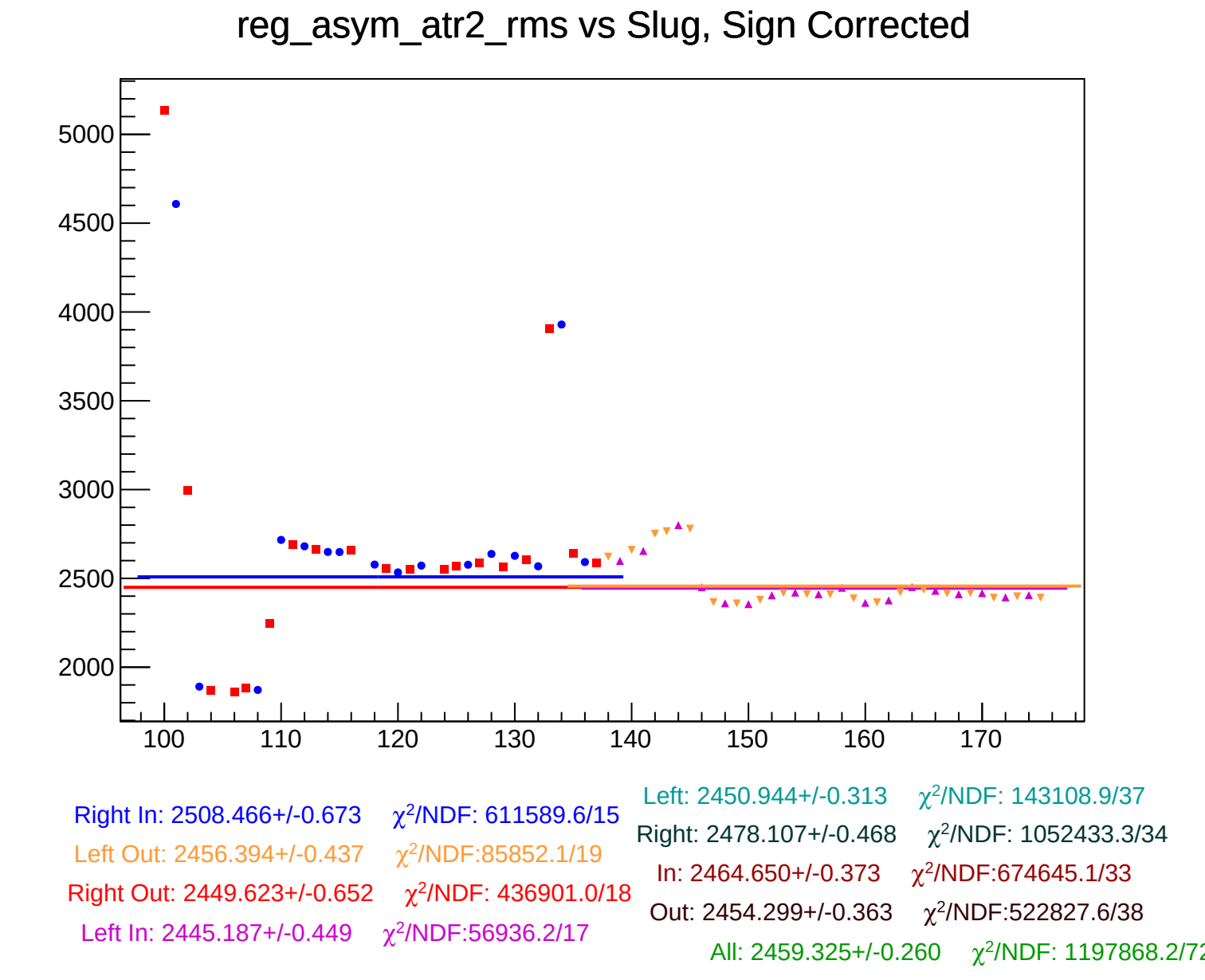
Left: 2122.481+/-442.456 χ^2/NDF: 44.4/37

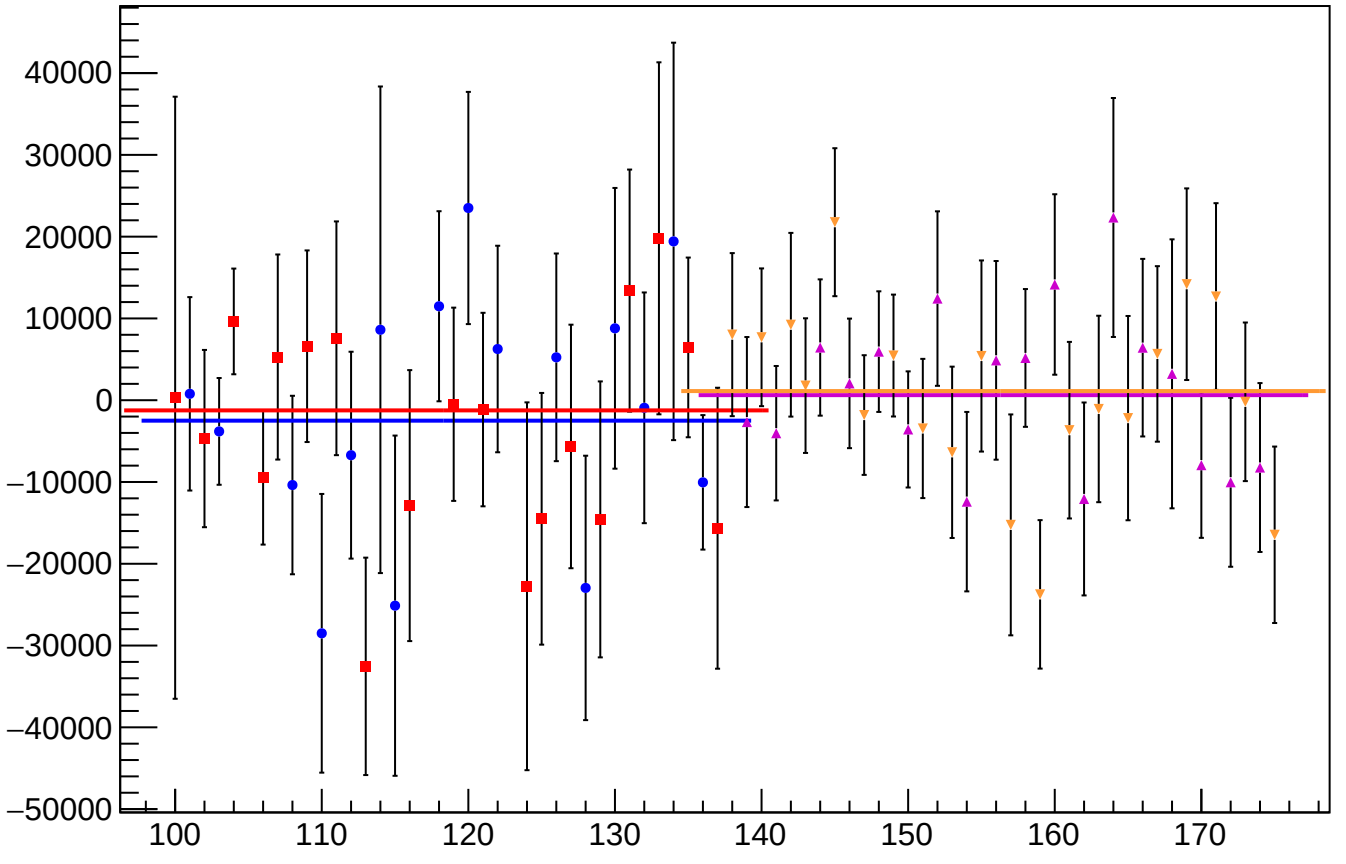
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3793.587+/-527.945 χ^2/NDF:17.0/33

Out: 1189.327+/-512.995 χ^2/NDF:42.8/38

All: 2454.063+/-367.914 χ^2/NDF: 72.4/72


reg_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 2508.466+/-0.673 χ²/NDF: 611589.6/15
Left Out: 2456.394+/-0.437 χ²/NDF:85852.1/19
Right Out: 2449.623+/-0.652 χ²/NDF: 436901.0/18
Left In: 2445.187+/-0.449 χ²/NDF:56936.2/17
Left: 2450.944+/-0.313 χ²/NDF: 143108.9/37
Right: 2478.107+/-0.468 χ²/NDF: 1052433.3/34
In: 2464.650+/-0.373 χ²/NDF:674645.1/33
Out: 2454.299+/-0.363 χ²/NDF:522827.6/38
All: 2459.325+/-0.260 χ²/NDF: 1197868.2/72



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1117.777+/-2186.646 χ^2/NDF:22.7/19

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 620.320+/-2269.026 χ^2/NDF:12.8/17

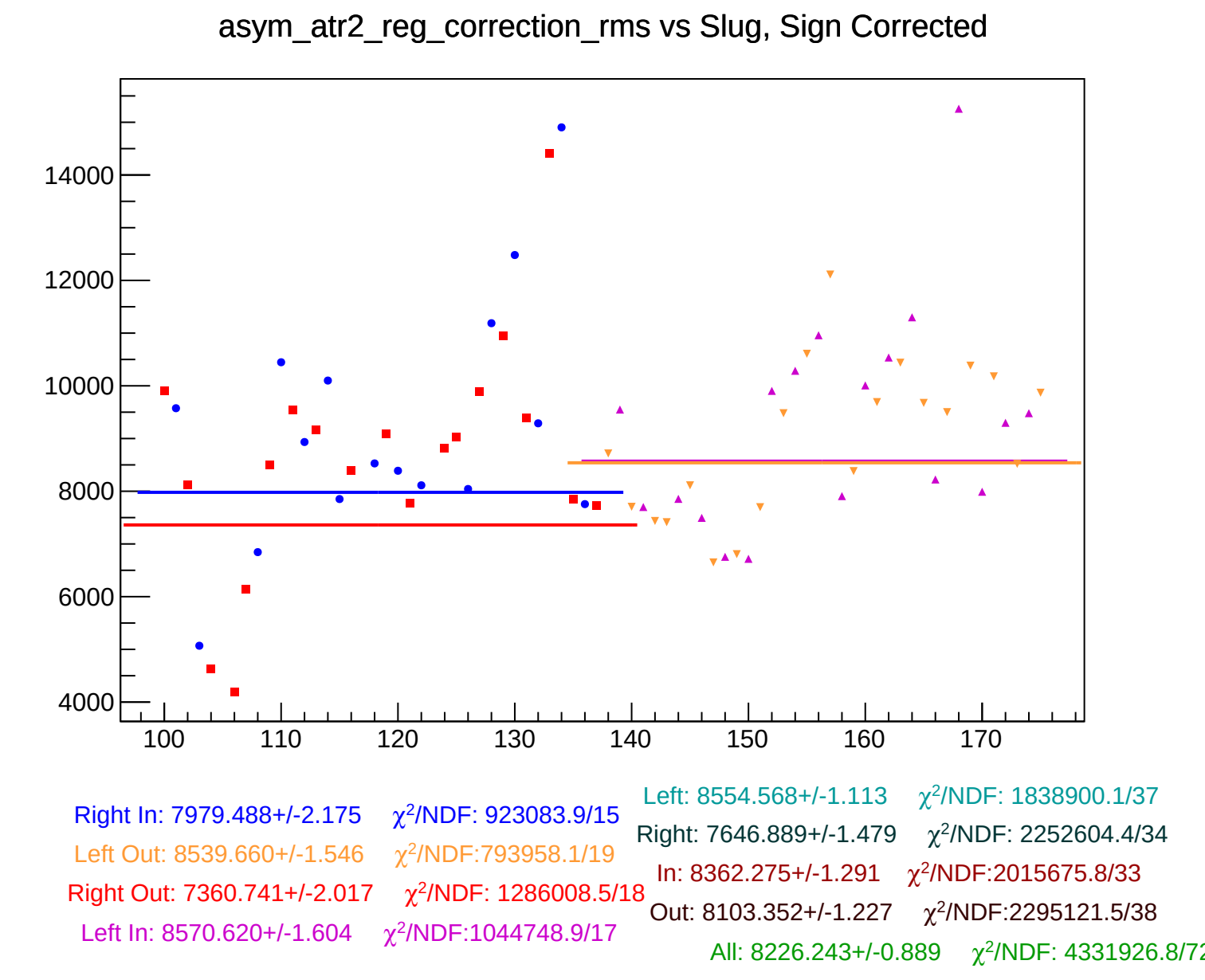
Left: 878.243+/-1574.510 χ^2/NDF: 35.4/37

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

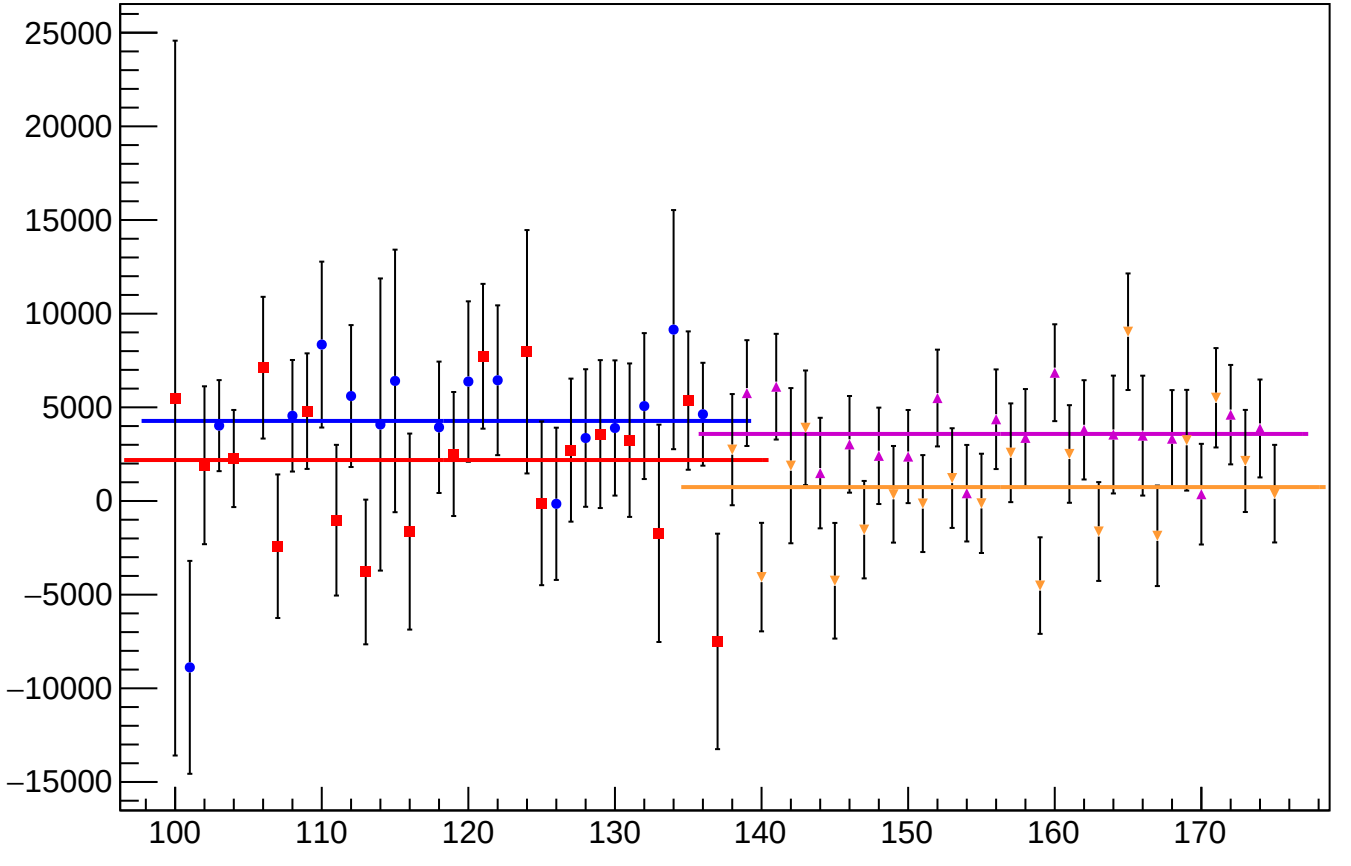
In: -479.650+/-1825.896 χ^2/NDF:27.2/33

Out: 243.571+/-1735.469 χ^2/NDF:39.7/38

All: -99.688+/-1257.916 χ^2/NDF: 66.9/72


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8539.660+/-1.546 χ²/NDF:793958.1/19
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8570.620+/-1.604 χ²/NDF:1044748.9/17
Left: 8554.568+/-1.113 χ²/NDF: 1838900.1/37
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8362.275+/-1.291 χ²/NDF:2015675.8/33
Out: 8103.352+/-1.227 χ²/NDF:2295121.5/38
All: 8226.243+/-0.889 χ²/NDF: 4331926.8/72

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3579.884+/-634.454 χ^2/NDF:7.7/17

Left: 2122.328+/-442.456 χ^2/NDF: 44.4/37

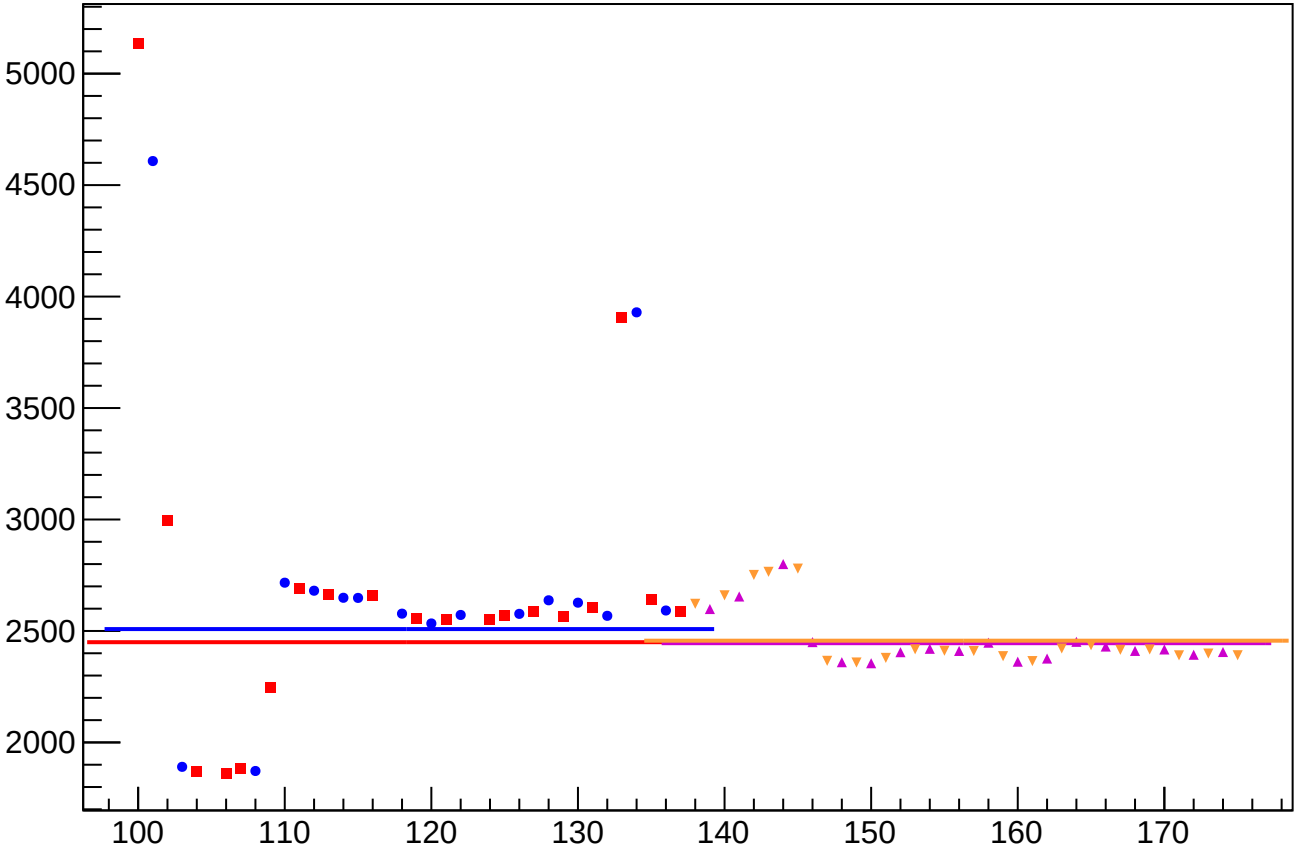
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3793.343+/-527.945 χ^2/NDF:17.0/33

Out: 1189.397+/-512.996 χ^2/NDF:42.9/38

All: 2453.983+/-367.914 χ^2/NDF: 72.4/72

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

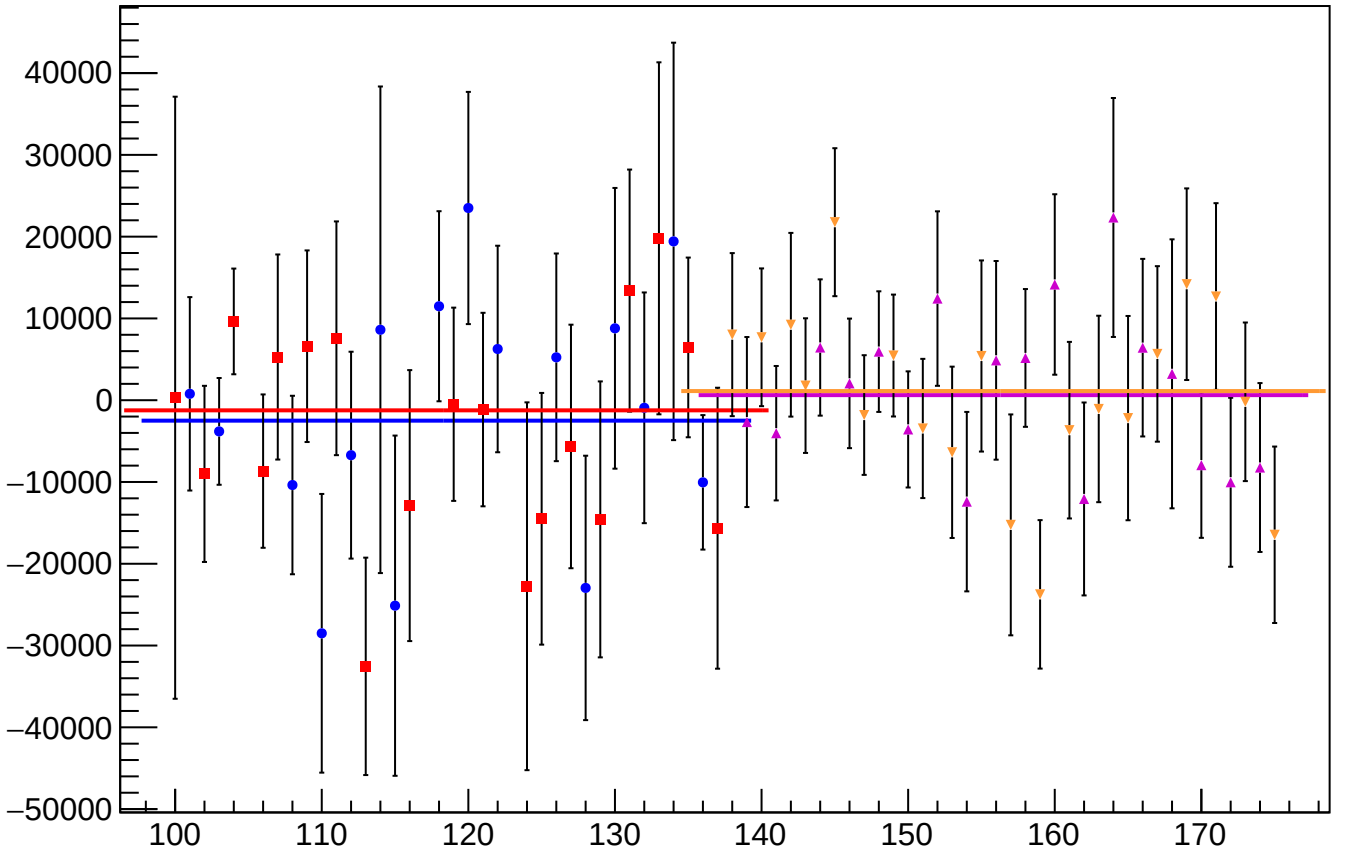
Left: 2450.944+/-0.313 χ^2/NDF: 143108.9/37

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2464.650+/-0.373 χ^2/NDF:674643.1/33

Out: 2454.306+/-0.363 χ^2/NDF:522772.7/38

All: 2459.330+/-0.260 χ^2/NDF: 1197810.7/72



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 620.341+/-2269.026 χ^2/NDF:12.8/17

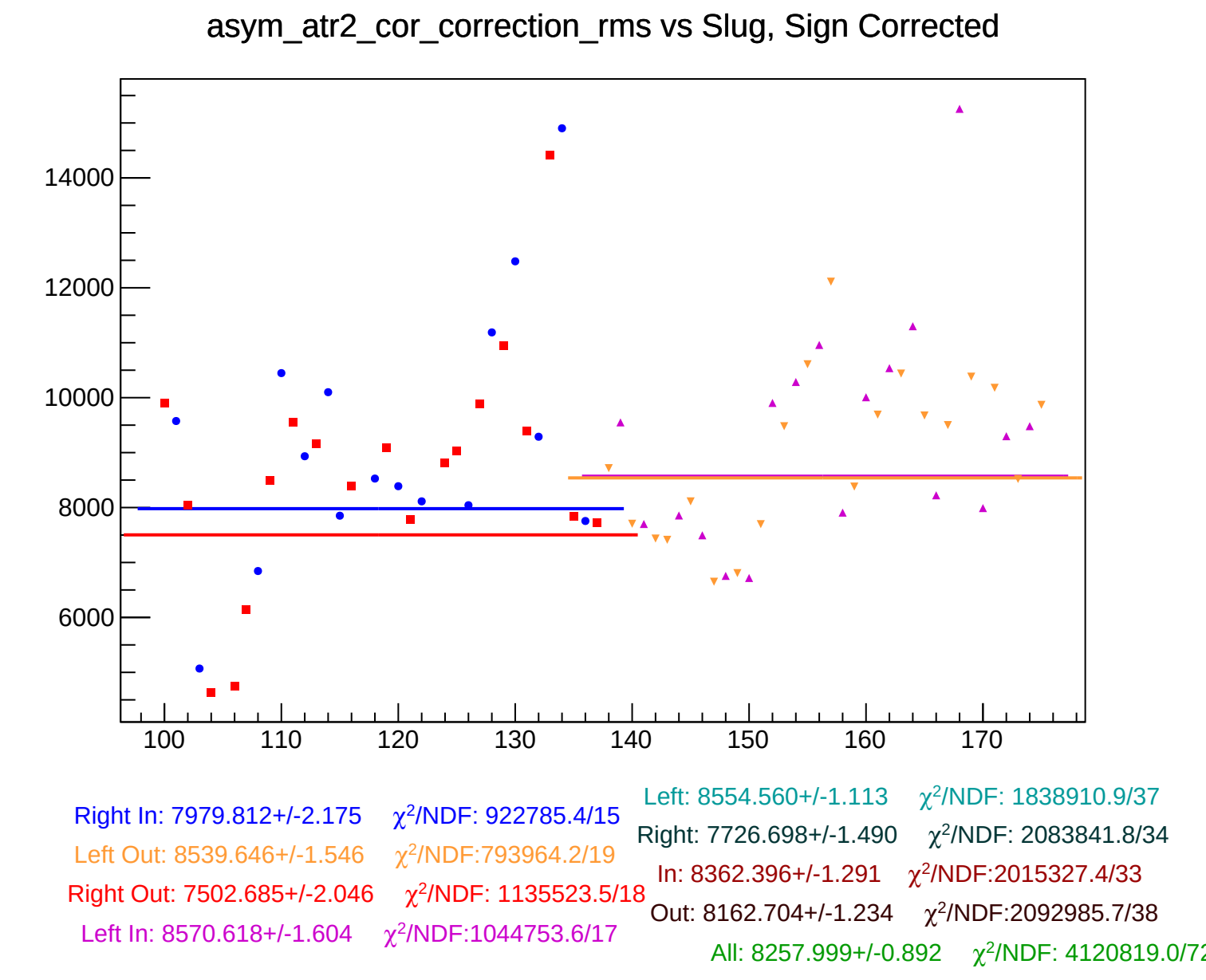
Left: 878.249+/-1574.509 χ^2/NDF: 35.4/37

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

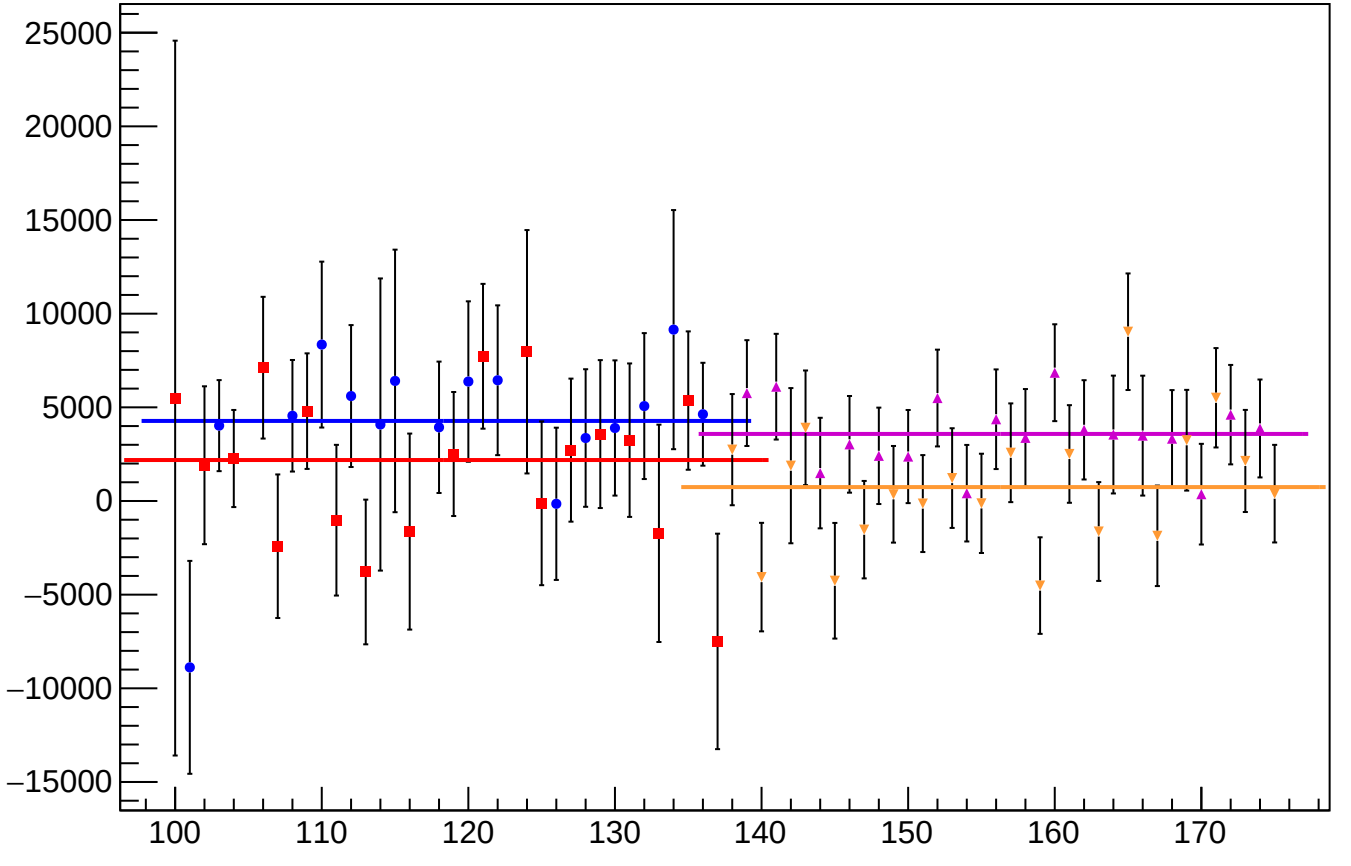
In: -479.517+/-1825.914 χ^2/NDF:27.2/33

Out: 260.741+/-1744.514 χ^2/NDF:39.7/38

All: -92.520+/-1261.353 χ^2/NDF: 67.0/72


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8539.646+/-1.546 χ²/NDF:793964.2/19
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8570.618+/-1.604 χ²/NDF:1044753.6/17
Left: 8554.560+/-1.113 χ²/NDF: 1838910.9/37
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8362.396+/-1.291 χ²/NDF:2015327.4/33
Out: 8162.704+/-1.234 χ²/NDF:2092985.7/38
All: 8257.999+/-0.892 χ²/NDF: 4120819.0/72

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3579.884+/-634.454 χ^2/NDF:7.7/17

Left: 2122.328+/-442.456 χ^2/NDF: 44.4/37

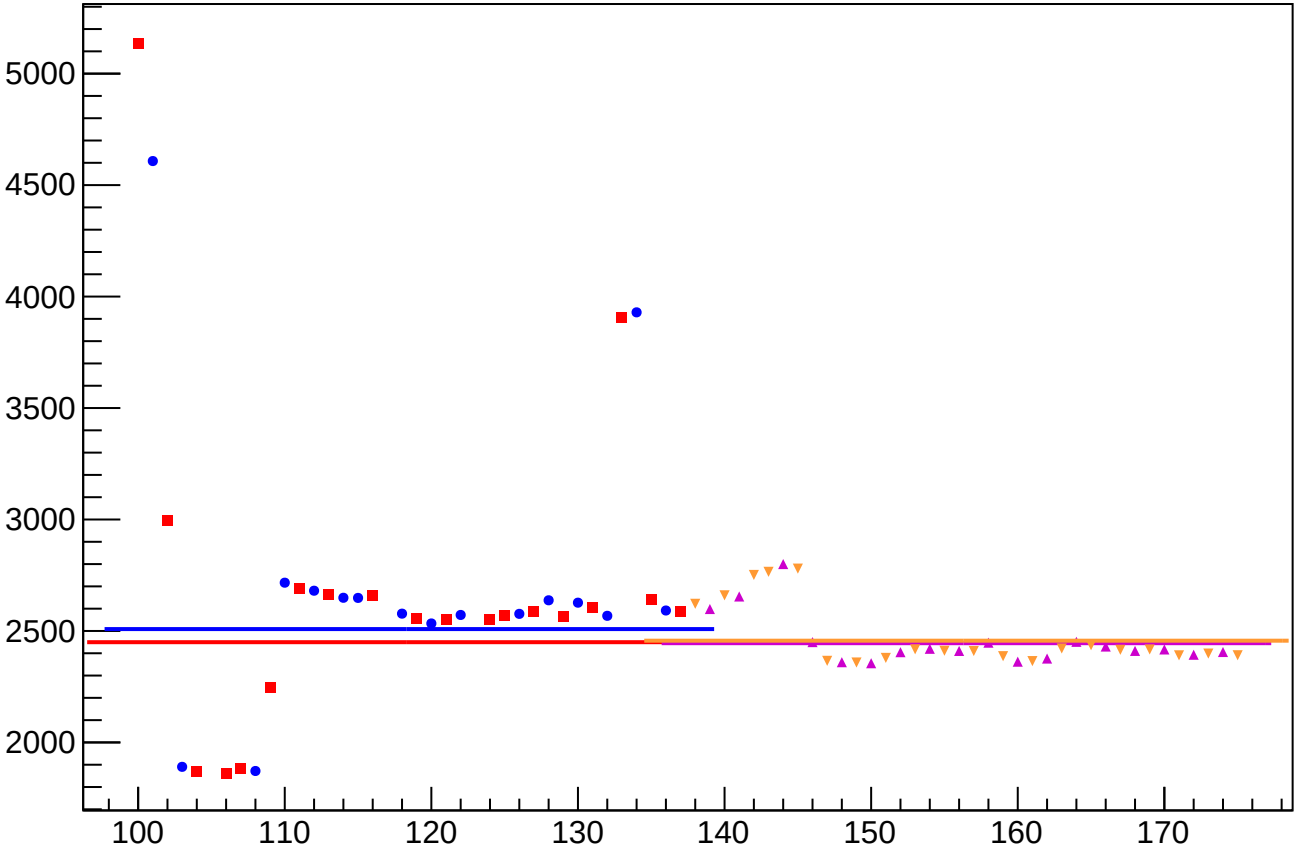
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3793.343+/-527.945 χ^2/NDF:17.0/33

Out: 1189.397+/-512.996 χ^2/NDF:42.9/38

All: 2453.983+/-367.914 χ^2/NDF: 72.4/72

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

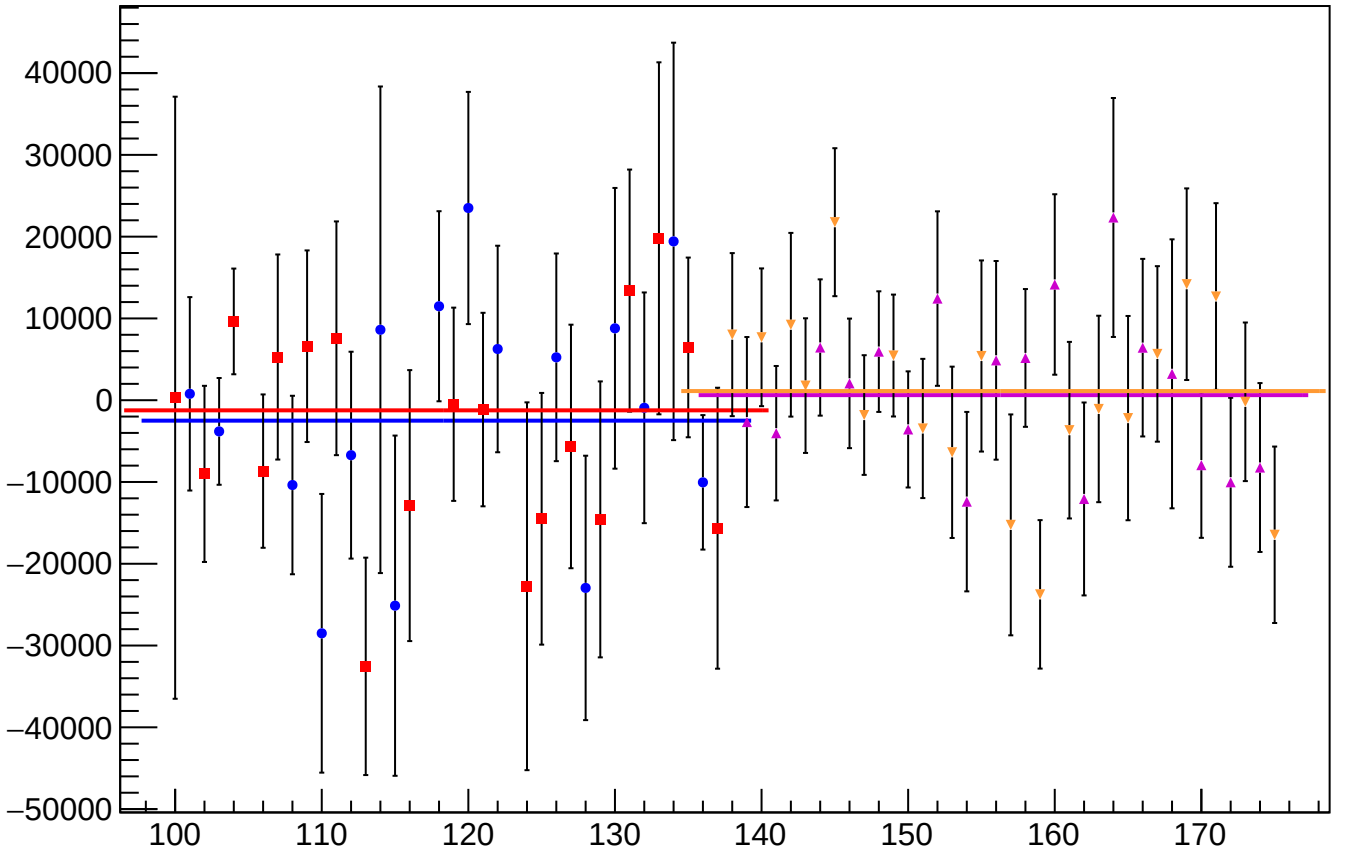
Left: 2450.944+/-0.313 χ^2/NDF: 143108.9/37

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2464.650+/-0.373 χ^2/NDF:674643.1/33

Out: 2454.306+/-0.363 χ^2/NDF:522772.7/38

All: 2459.330+/-0.260 χ^2/NDF: 1197810.7/72



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 620.341+/-2269.026 χ^2/NDF:12.8/17

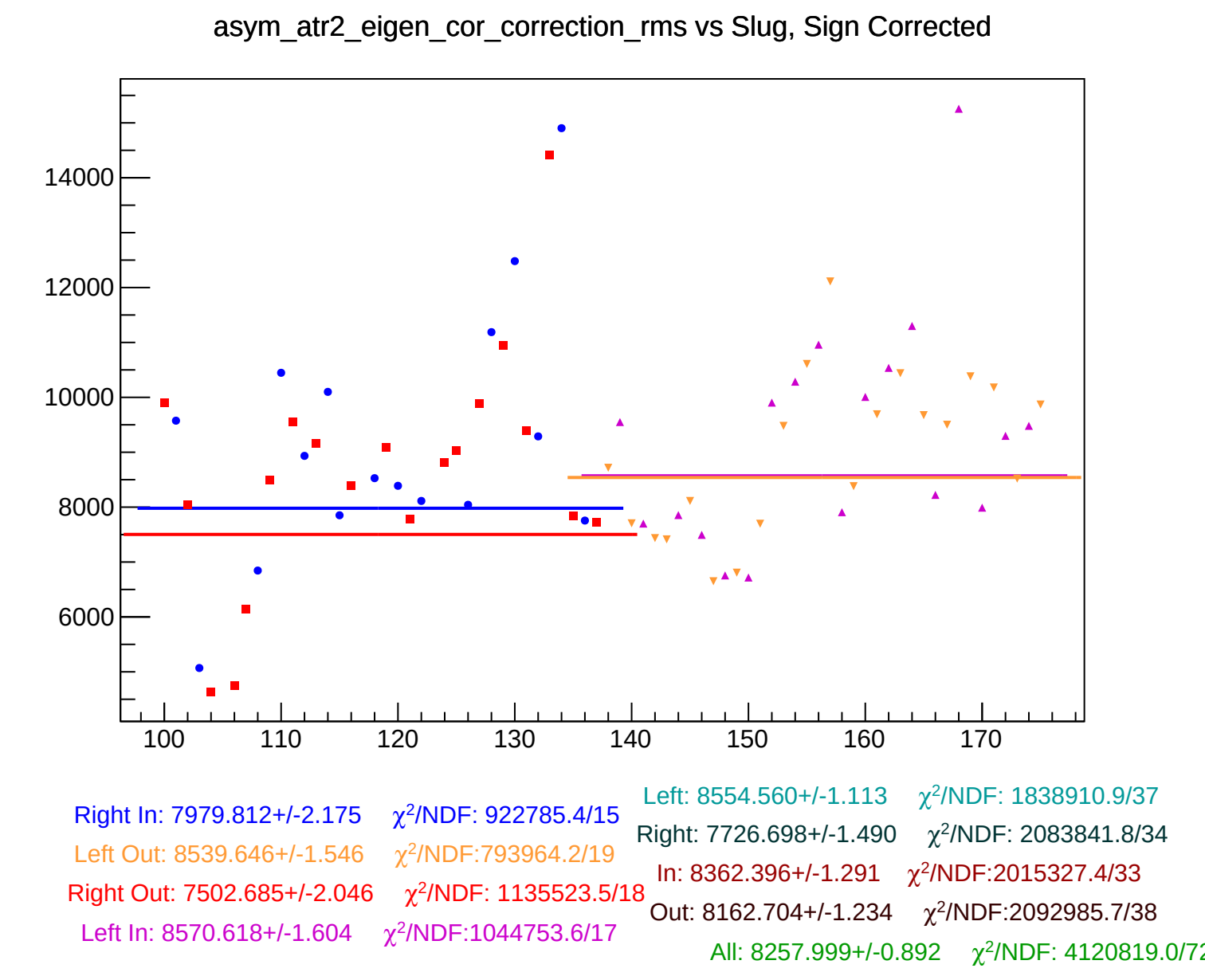
Left: 878.249+/-1574.509 χ^2/NDF: 35.4/37

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

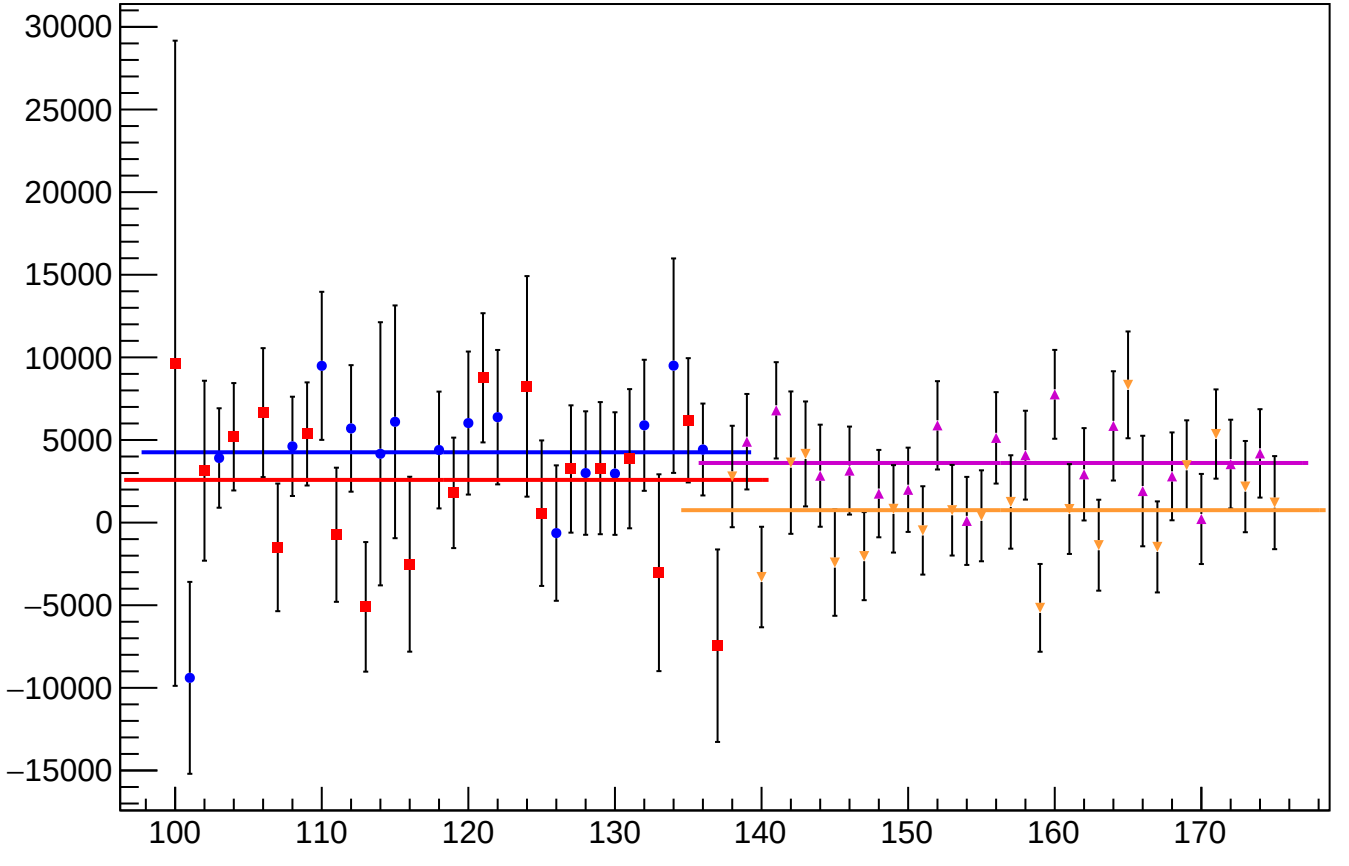
In: -479.517+/-1825.914 χ^2/NDF:27.2/33

Out: 260.741+/-1744.514 χ^2/NDF:39.7/38

All: -92.520+/-1261.353 χ^2/NDF: 67.0/72


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8539.646+/-1.546 χ²/NDF:793964.2/19
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8570.618+/-1.604 χ²/NDF:1044753.6/17
Left: 8554.560+/-1.113 χ²/NDF: 1838910.9/37
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8362.396+/-1.291 χ²/NDF:2015327.4/33
Out: 8162.704+/-1.234 χ²/NDF:2092985.7/38
All: 8257.999+/-0.892 χ²/NDF: 4120819.0/72

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 752.651+/-639.755 χ^2/NDF:22.0/19

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3608.976+/-654.935 χ^2/NDF:10.0/17

Left: 2147.327+/-457.648 χ^2/NDF: 41.8/37

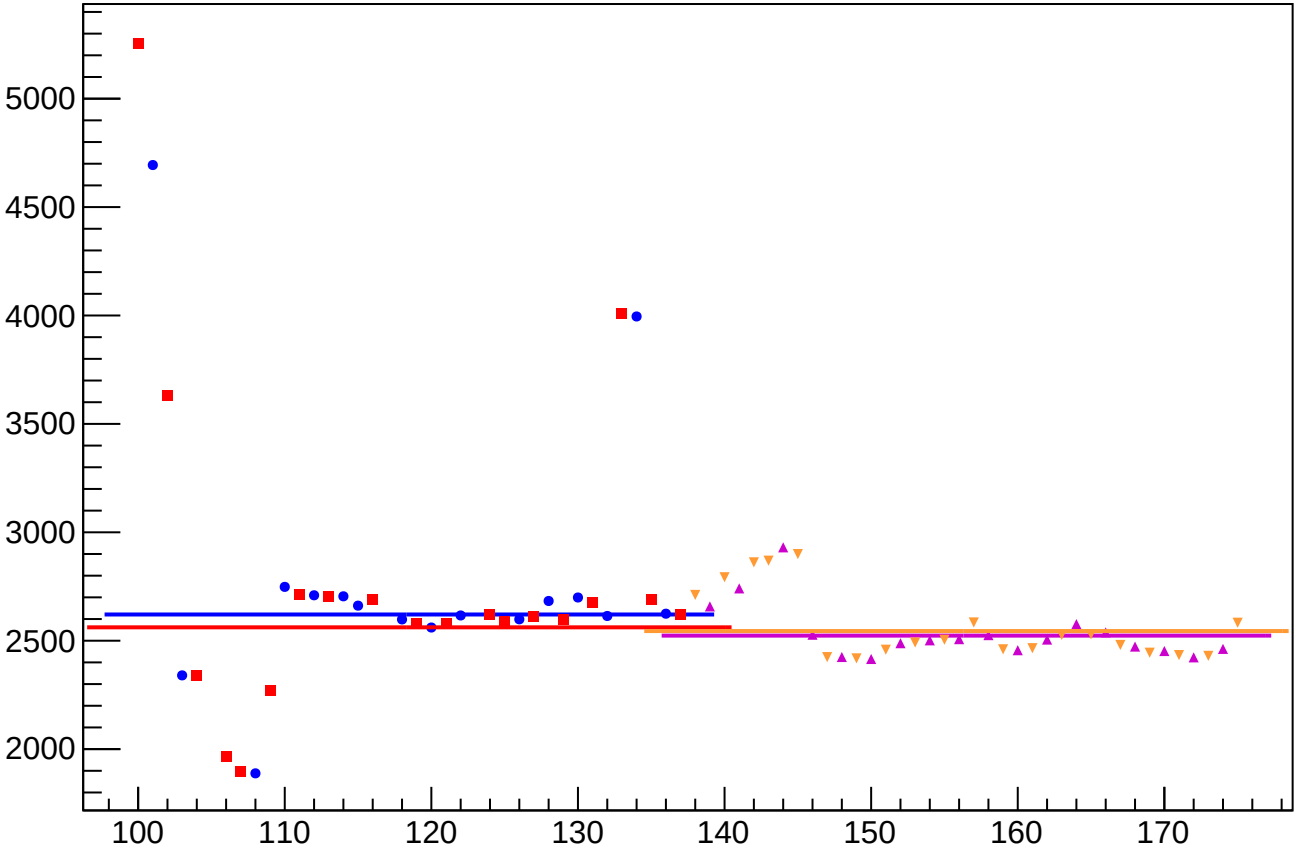
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3806.090+/-546.316 χ^2/NDF:20.4/33

Out: 1311.167+/-533.396 χ^2/NDF:42.2/38

All: 2528.777+/-381.654 χ^2/NDF: 73.2/72

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2544.541+/-0.452 χ^2/NDF:102223.5/19

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2523.531+/-0.463 χ^2/NDF:64982.5/17

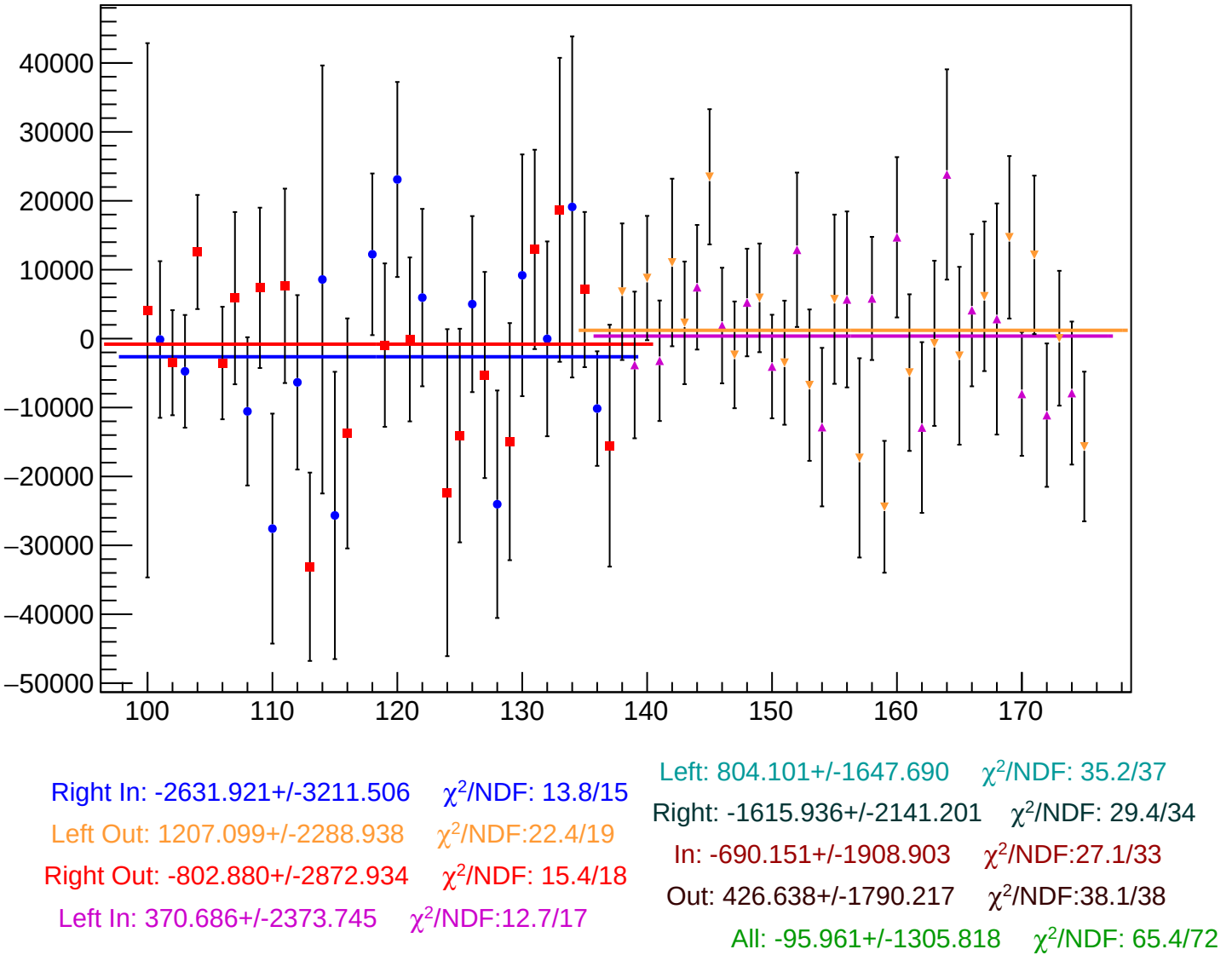
Left: 2534.283+/-0.324 χ^2/NDF: 168259.2/37

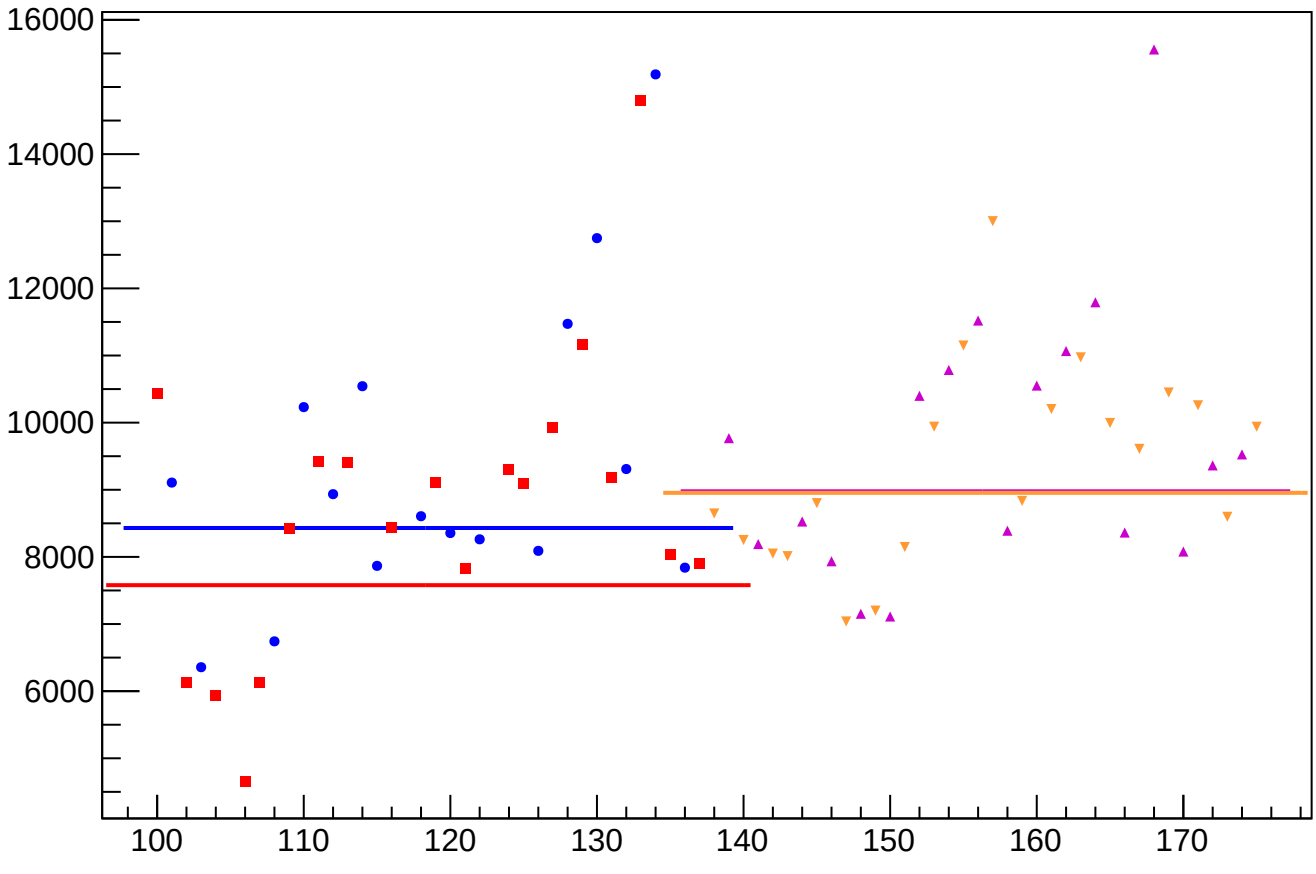
Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2553.169+/-0.386 χ^2/NDF:564360.8/33

Out: 2549.782+/-0.377 χ^2/NDF:480922.9/38

All: 2551.435+/-0.270 χ^2/NDF: 1045323.1/72


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2631.921+/-3211.506 χ²/NDF: 13.8/15
Left Out: 1207.099+/-2288.938 χ²/NDF:22.4/19
Right Out: -802.880+/-2872.934 χ²/NDF: 15.4/18
Left In: 370.686+/-2373.745 χ²/NDF:12.7/17
Left: 804.101+/-1647.690 χ²/NDF: 35.2/37
Right: -1615.936+/-2141.201 χ²/NDF: 29.4/34
In: -690.151+/-1908.903 χ²/NDF:27.1/33
Out: 426.638+/-1790.217 χ²/NDF:38.1/38
All: -95.961+/-1305.818 χ²/NDF: 65.4/72



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8954.437+/-1.619 χ^2/NDF:700671.1/19

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8977.321+/-1.678 χ^2/NDF:969013.1/17

Left: 8965.463+/-1.165 χ^2/NDF: 1669780.5/37

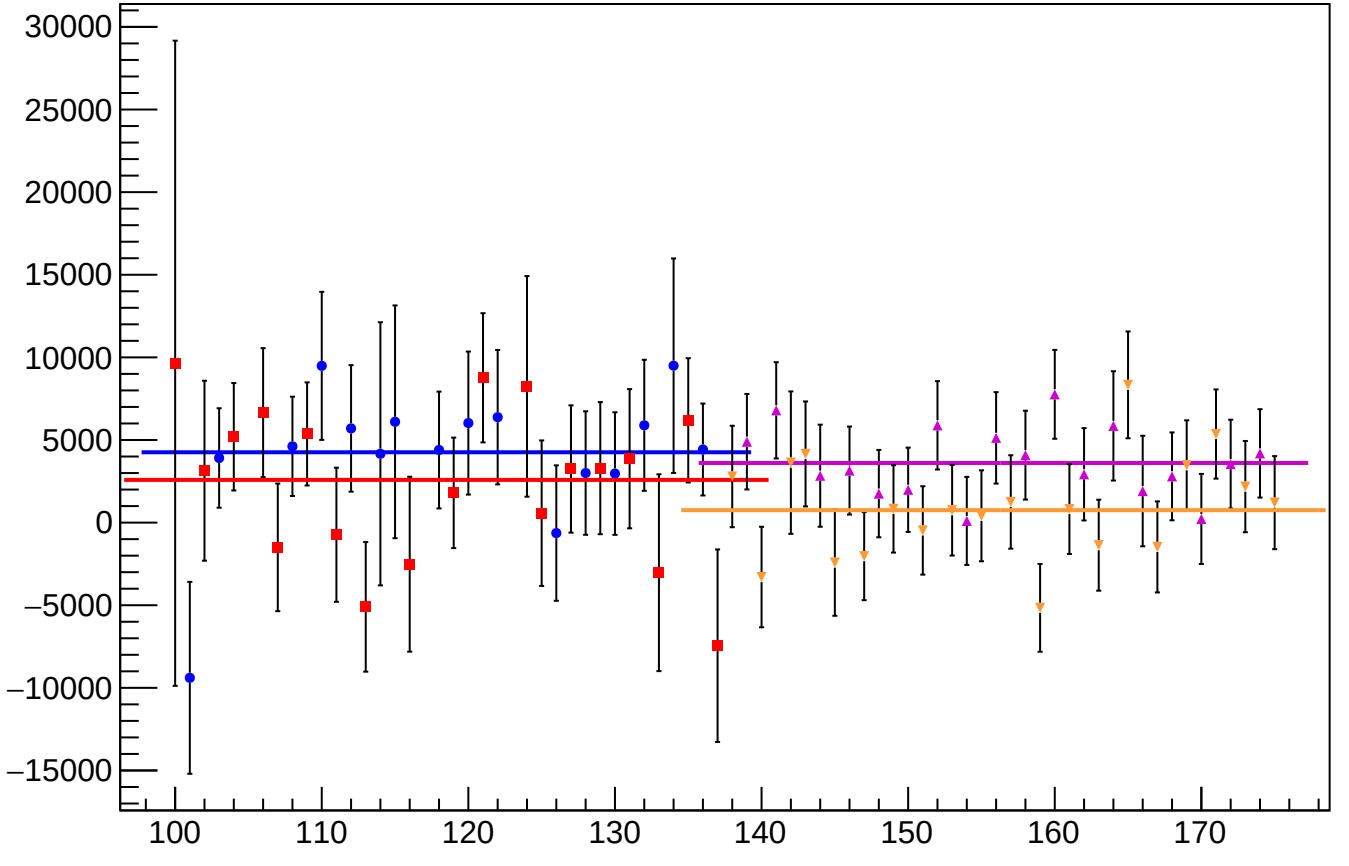
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8784.221+/-1.350 χ^2/NDF:1586768.9/33

Out: 8420.408+/-1.266 χ^2/NDF:1955168.7/38

All: 8590.653+/-0.923 χ^2/NDF: 3580589.7/72

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 752.638+/-639.755 χ^2/NDF:22.0/19

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3608.980+/-654.936 χ^2/NDF:10.0/17

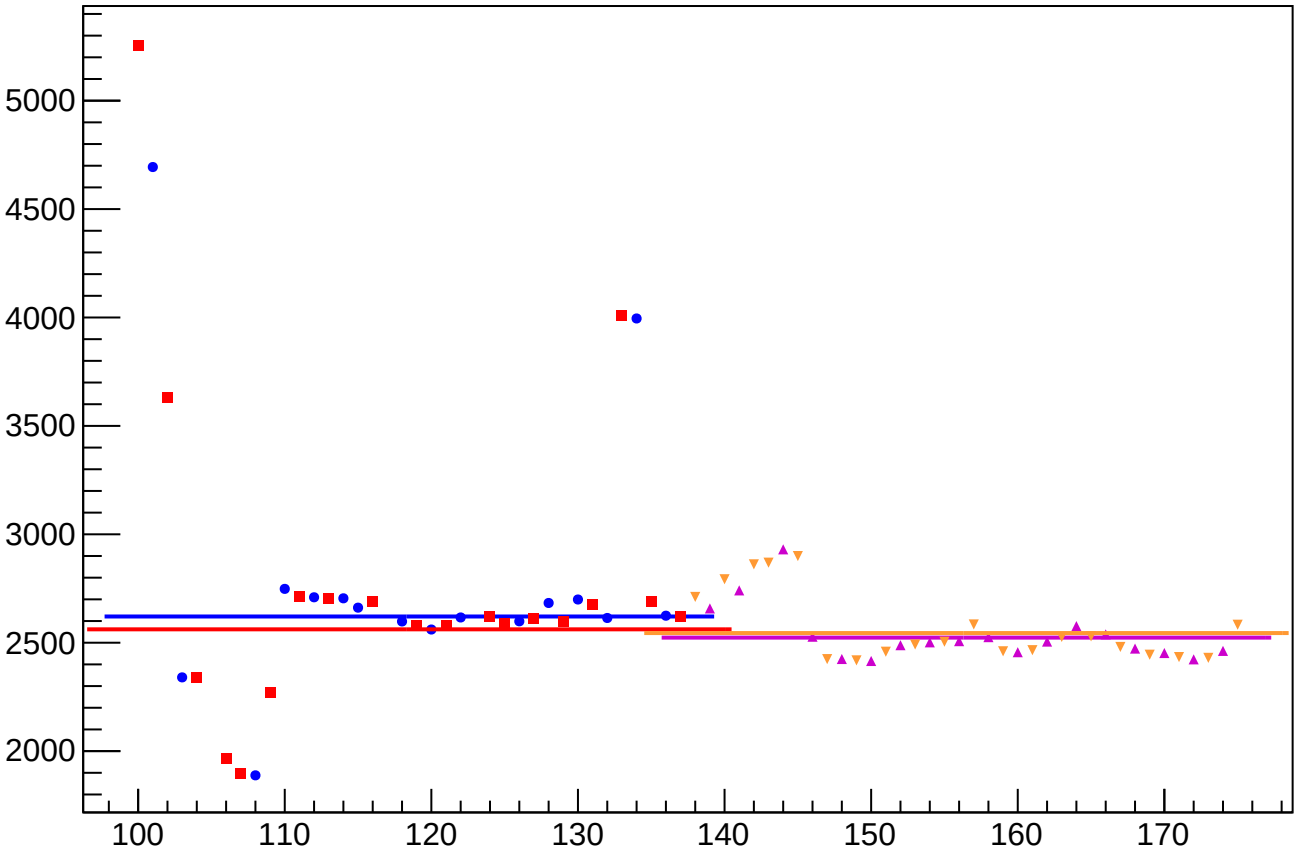
Left: 2147.322+/-457.648 χ^2/NDF: 41.8/37

Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3806.096+/-546.317 χ^2/NDF:20.4/33

Out: 1311.162+/-533.396 χ^2/NDF:42.2/38

All: 2528.777+/-381.654 χ^2/NDF: 73.2/72



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2544.543+/-0.452 χ^2/NDF:102223.7/19

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2523.534+/-0.463 χ^2/NDF:64982.4/17

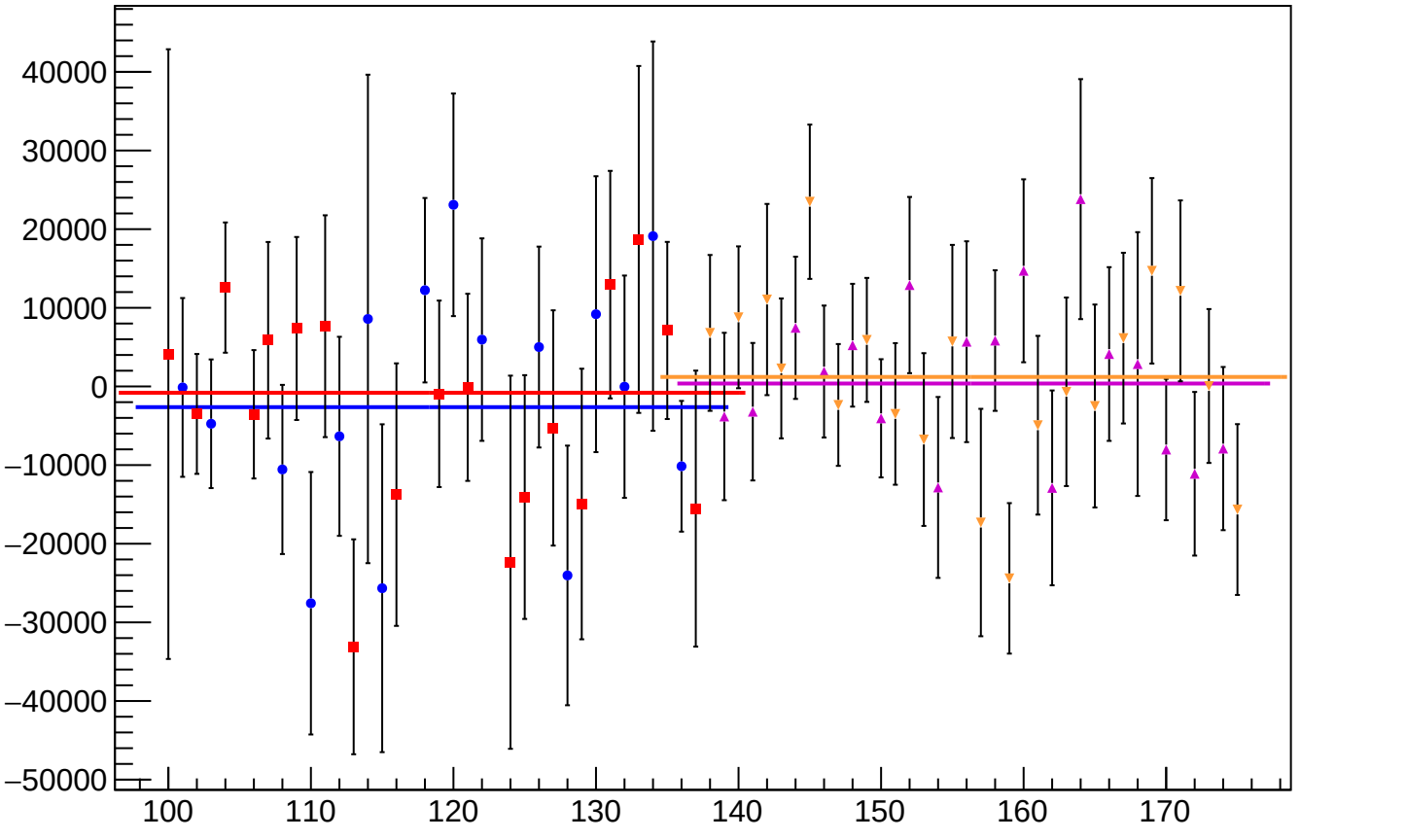
Left: 2534.285+/-0.324 χ^2/NDF: 168259.3/37

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2553.170+/-0.386 χ^2/NDF:564360.2/33

Out: 2549.783+/-0.377 χ^2/NDF:480922.4/38

All: 2551.436+/-0.270 χ^2/NDF: 1045322.0/72



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1207.096+/-2288.942 χ^2/NDF:22.4/19

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 370.682+/-2373.749 χ^2/NDF:12.7/17

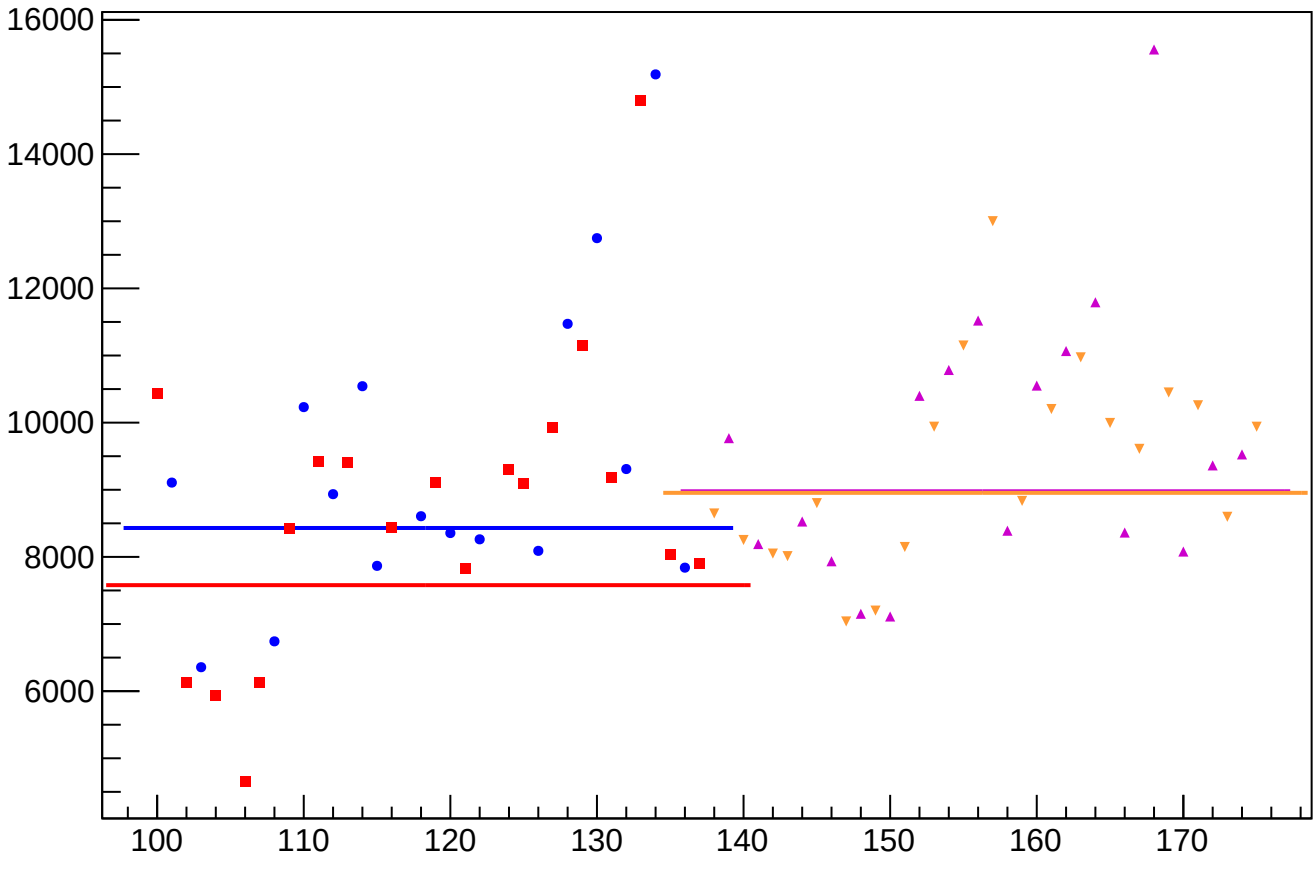
Left: 804.097+/-1647.692 χ^2/NDF: 35.2/37

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -690.146+/-1908.904 χ^2/NDF:27.1/33

Out: 426.634+/-1790.218 χ^2/NDF:38.1/38

All: -95.961+/-1305.819 χ^2/NDF: 65.4/72



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8954.451+/-1.619 χ^2/NDF:700671.0/19

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8977.334+/-1.678 χ^2/NDF:969014.2/17

Left: 8965.477+/-1.165 χ^2/NDF: 1669781.5/37

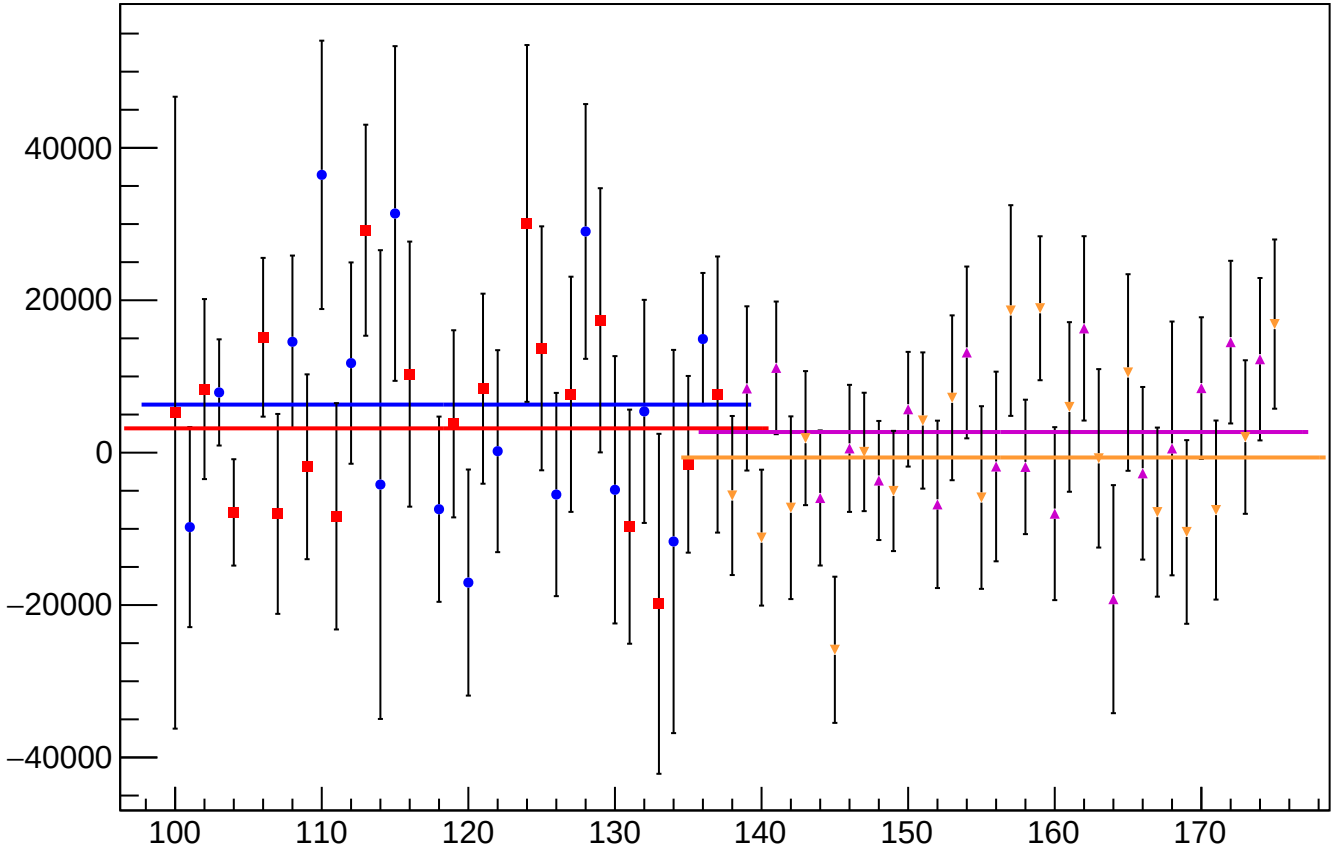
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8784.225+/-1.350 χ^2/NDF:1586767.5/33

Out: 8420.410+/-1.266 χ^2/NDF:1955175.7/38

All: 8590.656+/-0.923 χ^2/NDF: 3580595.7/72

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -632.412+/-2287.102 χ^2/NDF:21.6/19

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2707.898+/-2370.023 χ^2/NDF:12.0/17

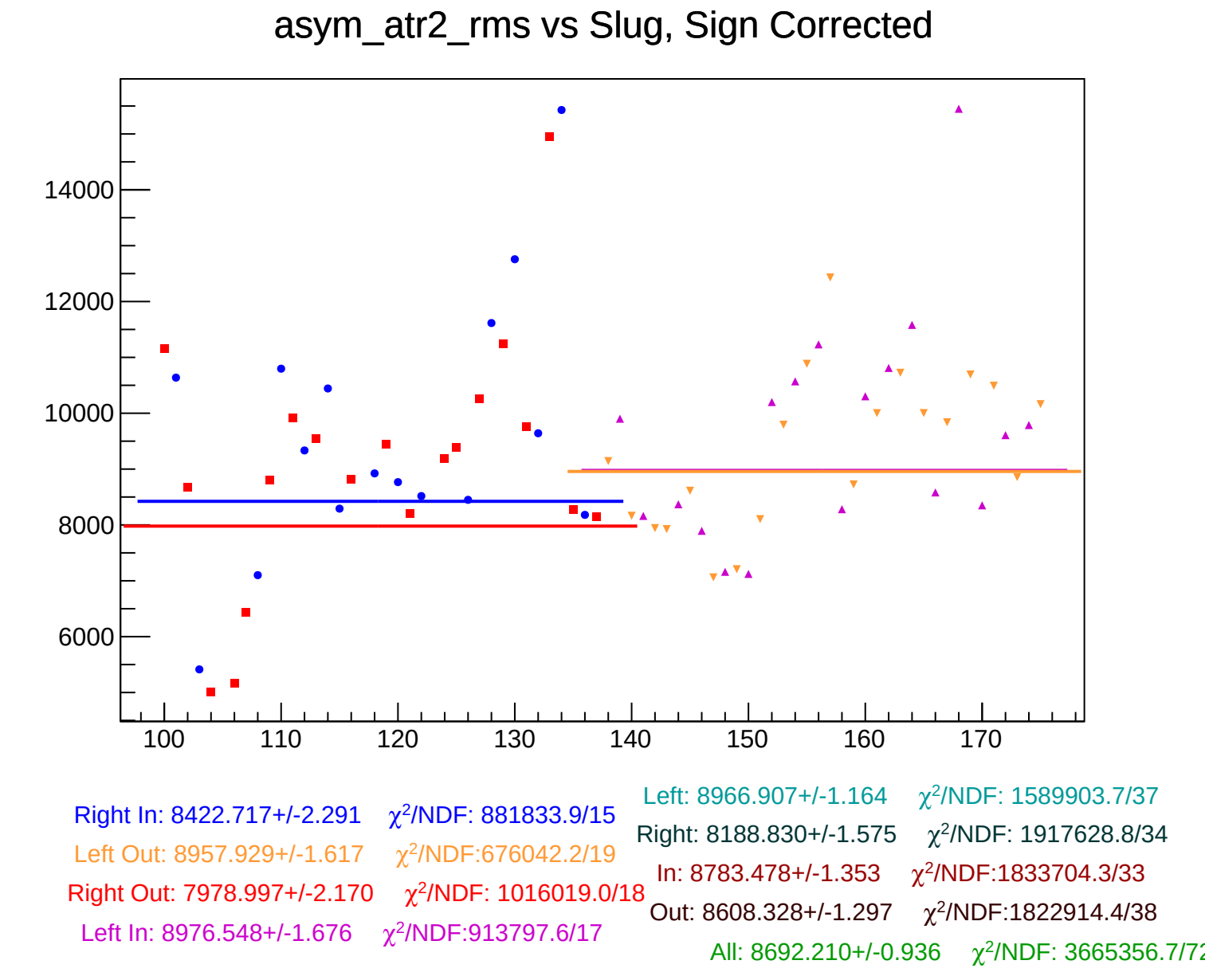
Left: 978.287+/-1645.760 χ^2/NDF: 34.6/37

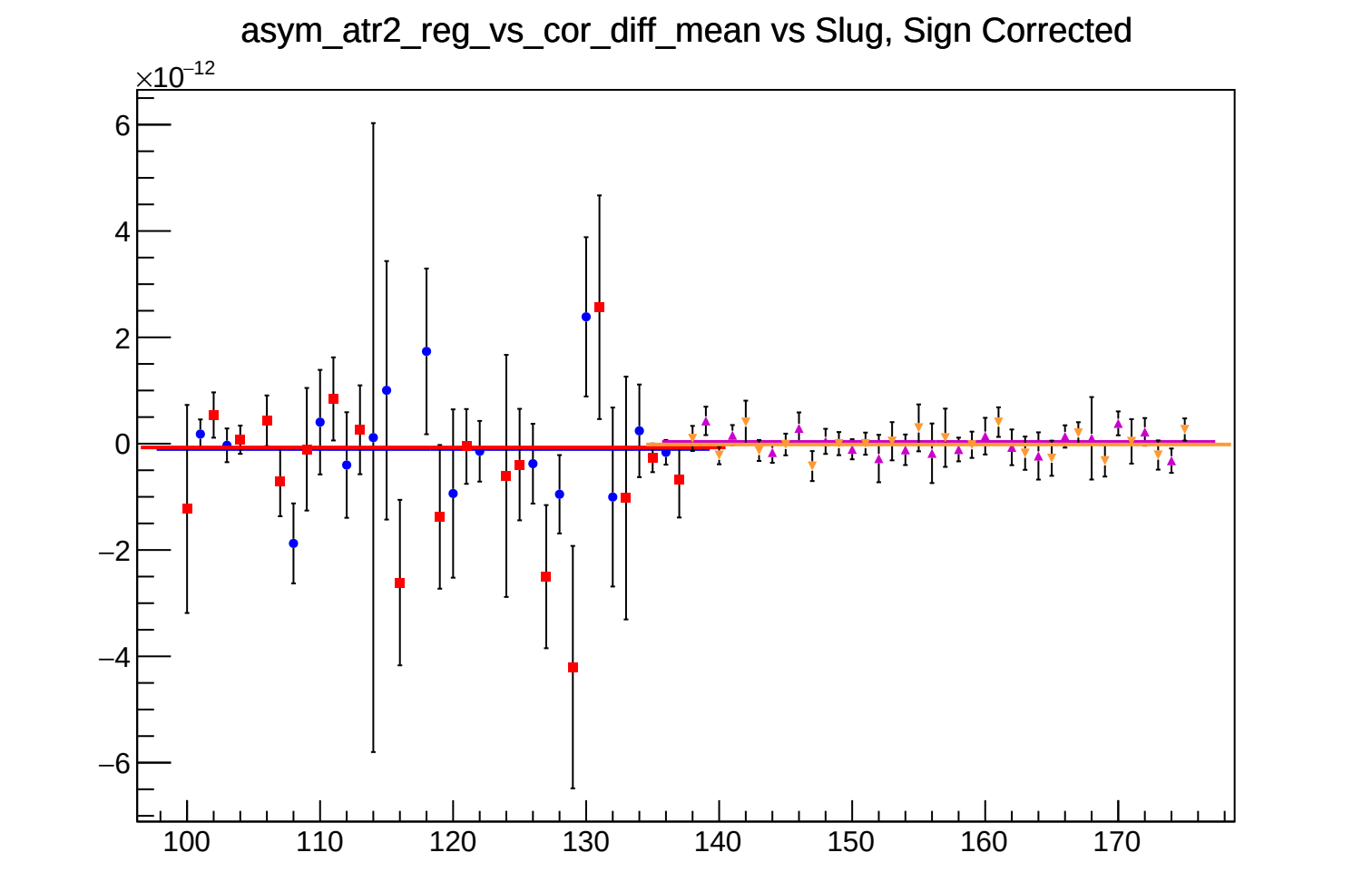
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3962.585+/-1912.819 χ^2/NDF:27.9/33

Out: 732.405+/-1833.799 χ^2/NDF:36.5/38

All: 2279.398+/-1323.746 χ^2/NDF: 65.9/72


asym_atr2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8422.717+/-2.291 χ²/NDF: 881833.9/15
Left Out: 8957.929+/-1.617 χ²/NDF:676042.2/19
Right Out: 7978.997+/-2.170 χ²/NDF: 1016019.0/18
Left In: 8976.548+/-1.676 χ²/NDF:913797.6/17
Left: 8966.907+/-1.164 χ²/NDF: 1589903.7/37
Right: 8188.830+/-1.575 χ²/NDF: 1917628.8/34
In: 8783.478+/-1.353 χ²/NDF:1833704.3/33
Out: 8608.328+/-1.297 χ²/NDF:1822914.4/38
All: 8692.210+/-0.936 χ²/NDF: 3665356.7/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.3/17

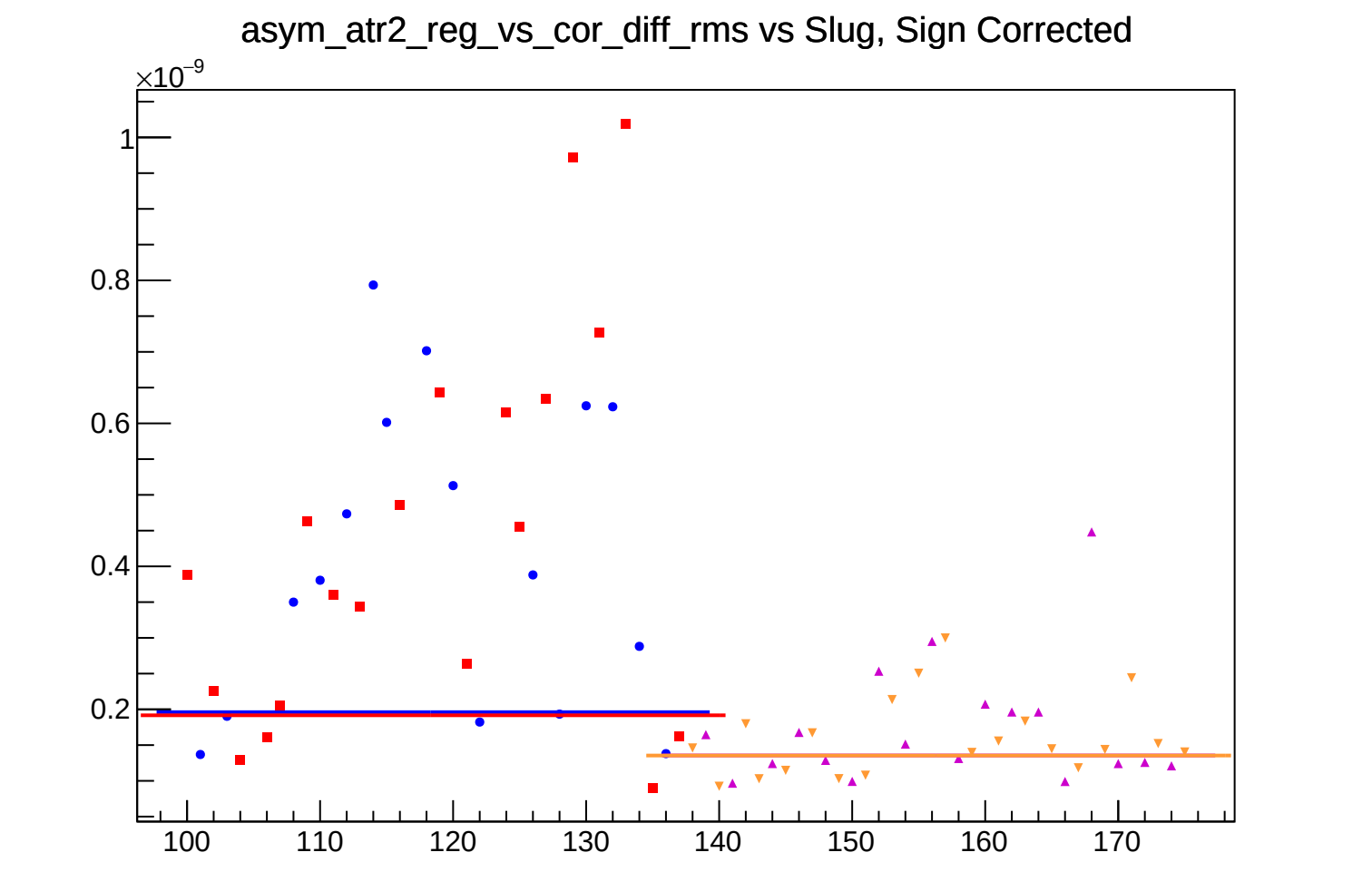
Left: 0.000+/-0.000 χ^2/NDF: 26.1/37

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:26.8/33

Out: -0.000+/-0.000 χ^2/NDF:33.2/38

All: -0.000+/-0.000 χ^2/NDF: 60.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:967308.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1109806.3/17

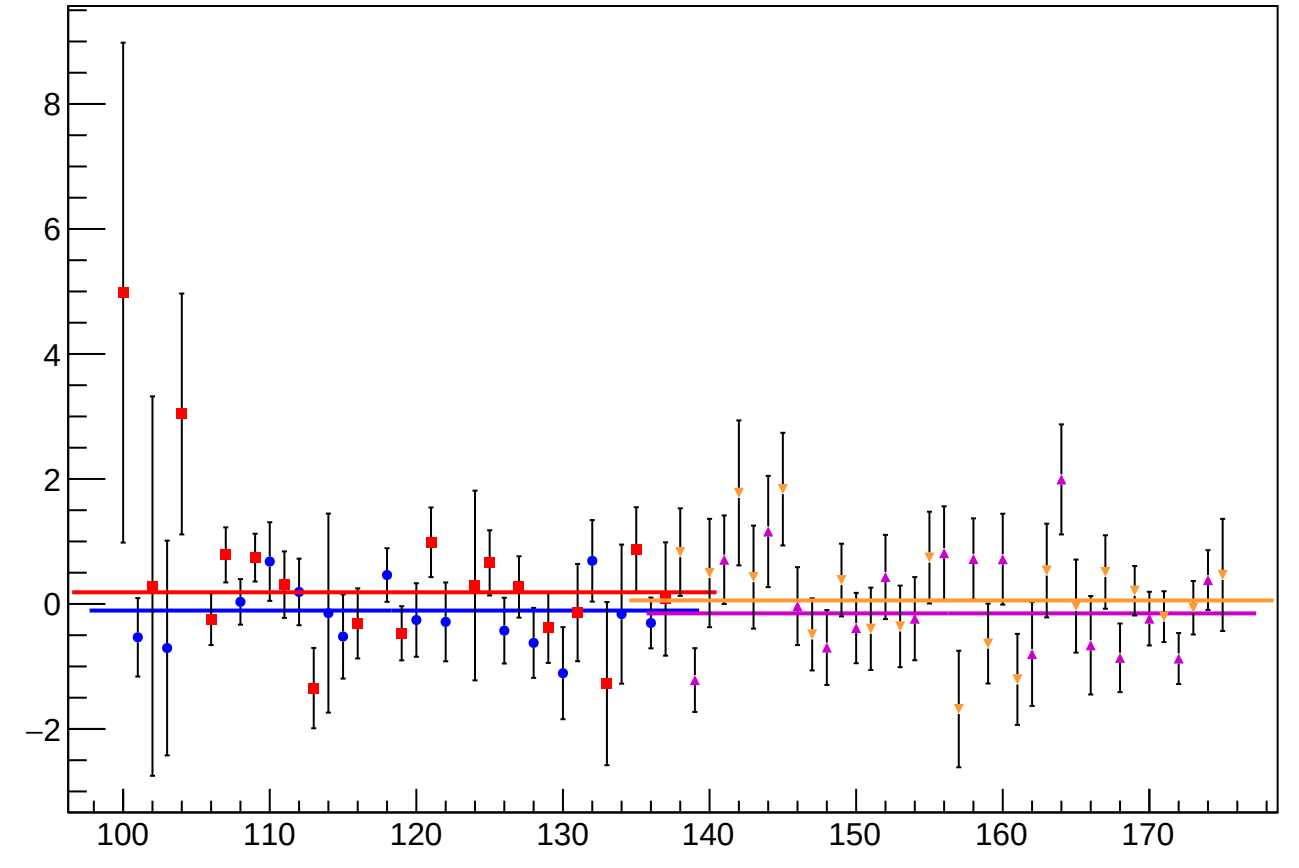
Left: 0.000+/-0.000 χ^2/NDF: 2077116.7/37

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2788770.9/33

Out: 0.000+/-0.000 χ^2/NDF:3313167.3/38

All: 0.000+/-0.000 χ^2/NDF: 6104012.5/72



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

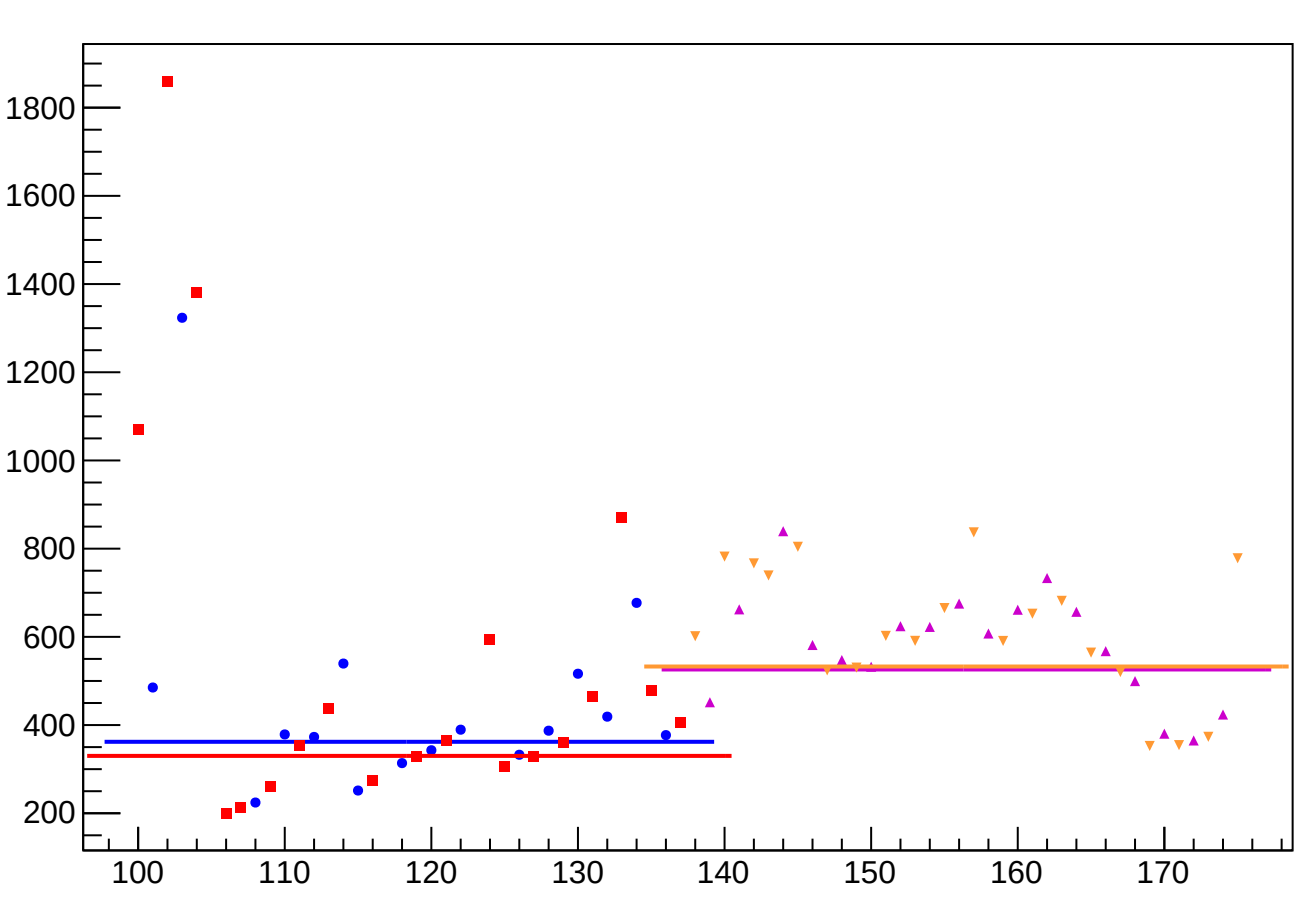
Left: -0.047+/-0.100 χ^2/NDF: 49.1/37

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: 0.001+/-0.071 χ^2/NDF: 85.2/72



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

Left: 529.411+/-0.071 χ^2/NDF: 3732277.4/37

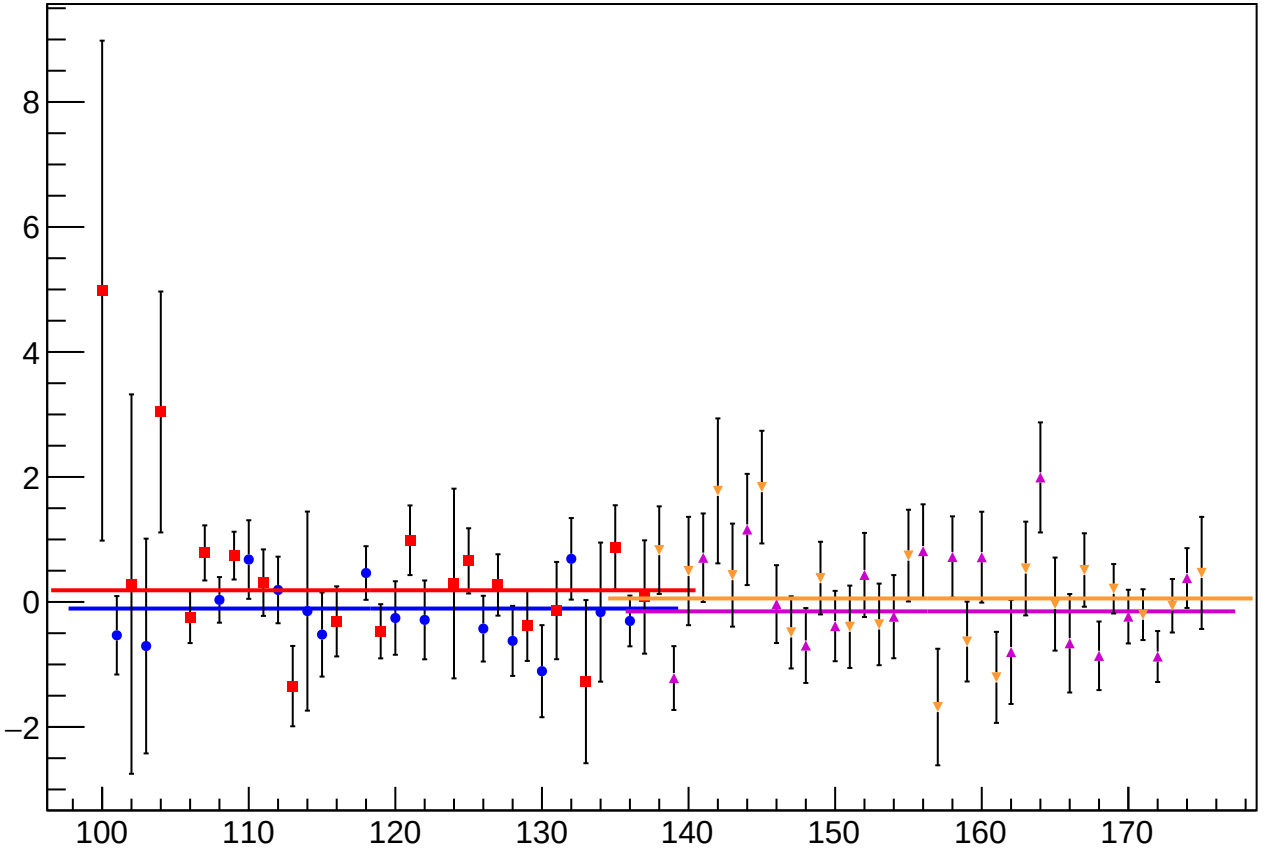
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 445.571+/-0.072 χ^2/NDF:4146301.9/33

Out: 428.899+/-0.070 χ^2/NDF:6637489.2/38

All: 436.987+/-0.050 χ^2/NDF: 10811664.8/72

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

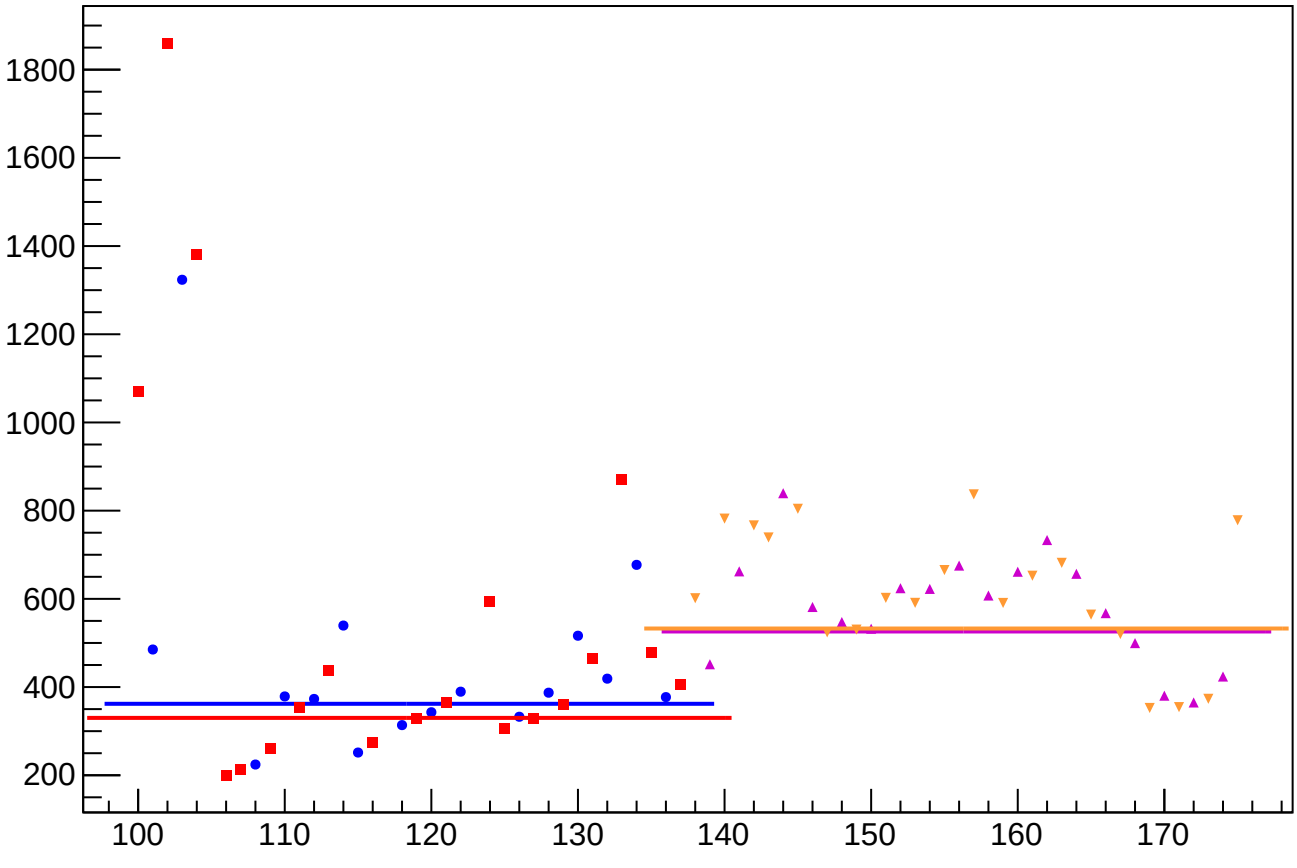
Left: -0.047+/-0.100 χ^2/NDF: 49.1/37

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: 0.001+/-0.071 χ^2/NDF: 85.2/72



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

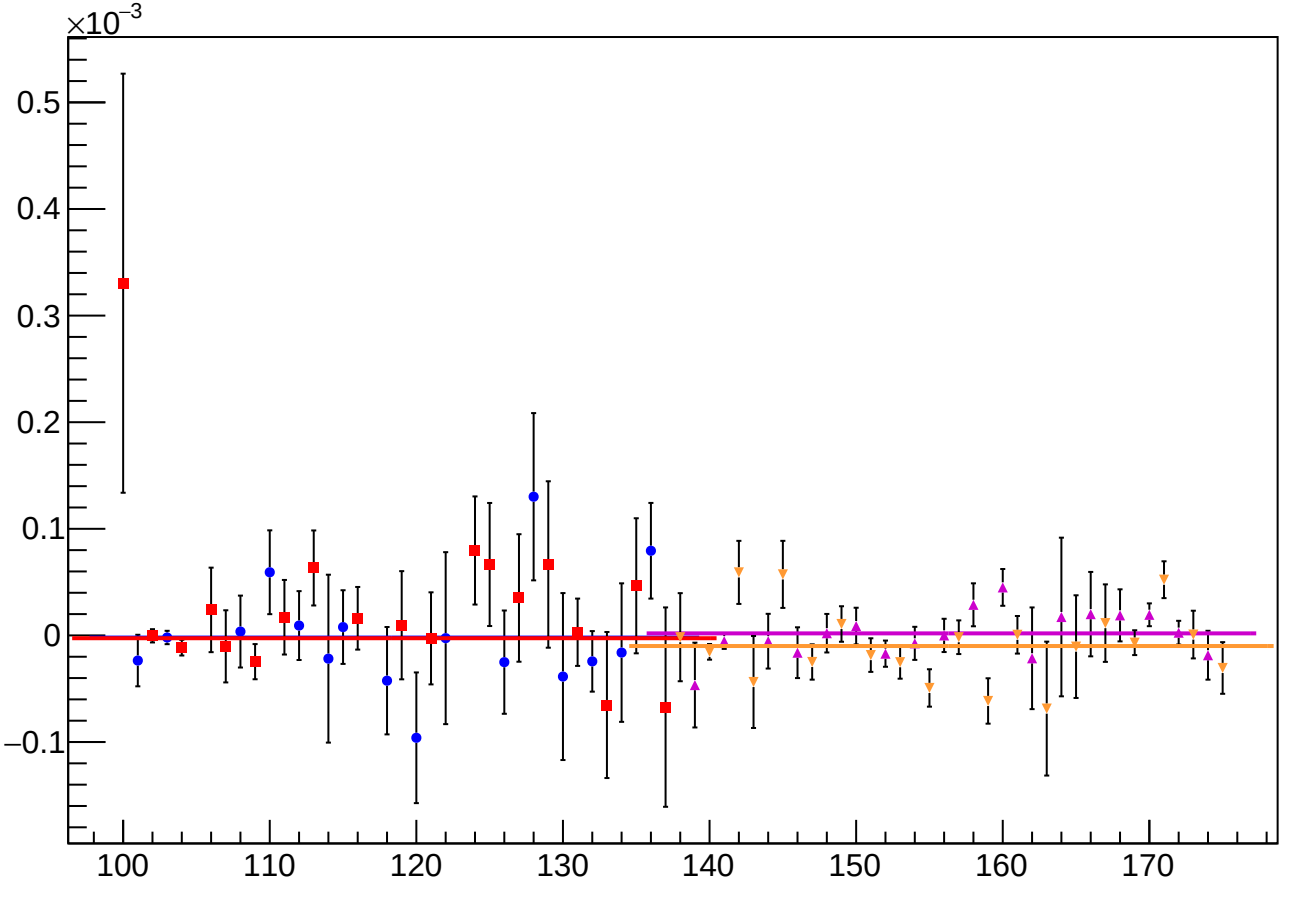
Left: 529.411+/-0.071 χ^2/NDF: 3732277.4/37

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 445.571+/-0.072 χ^2/NDF:4146301.9/33

Out: 428.899+/-0.070 χ^2/NDF:6637489.2/38

All: 436.987+/-0.050 χ^2/NDF: 10811664.8/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/17

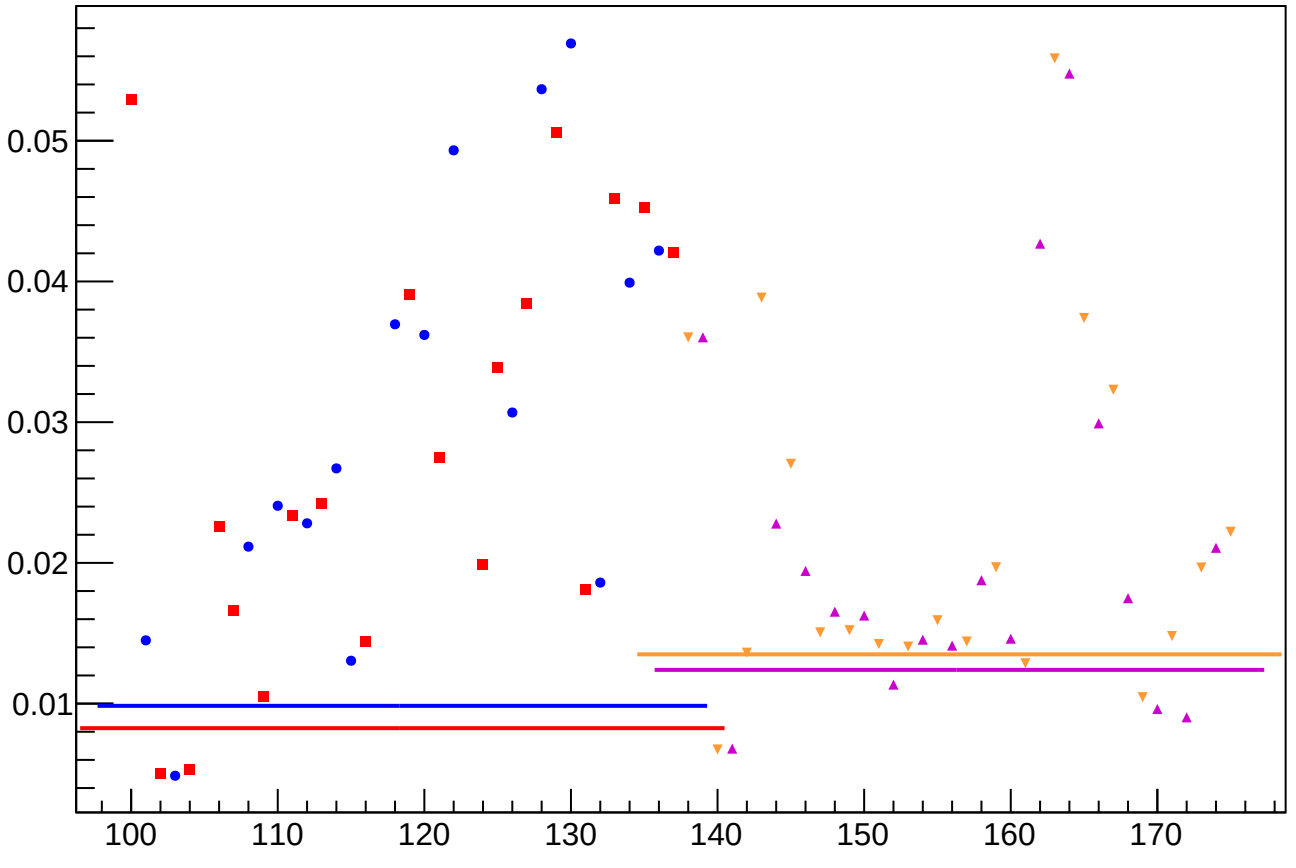
Left: -0.000+/-0.000 χ^2/NDF: 65.0/37

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:32.7/33

Out: -0.000+/-0.000 χ^2/NDF:61.4/38

All: -0.000+/-0.000 χ^2/NDF: 97.0/72



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:6107274.9/19

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:5457520.3/17

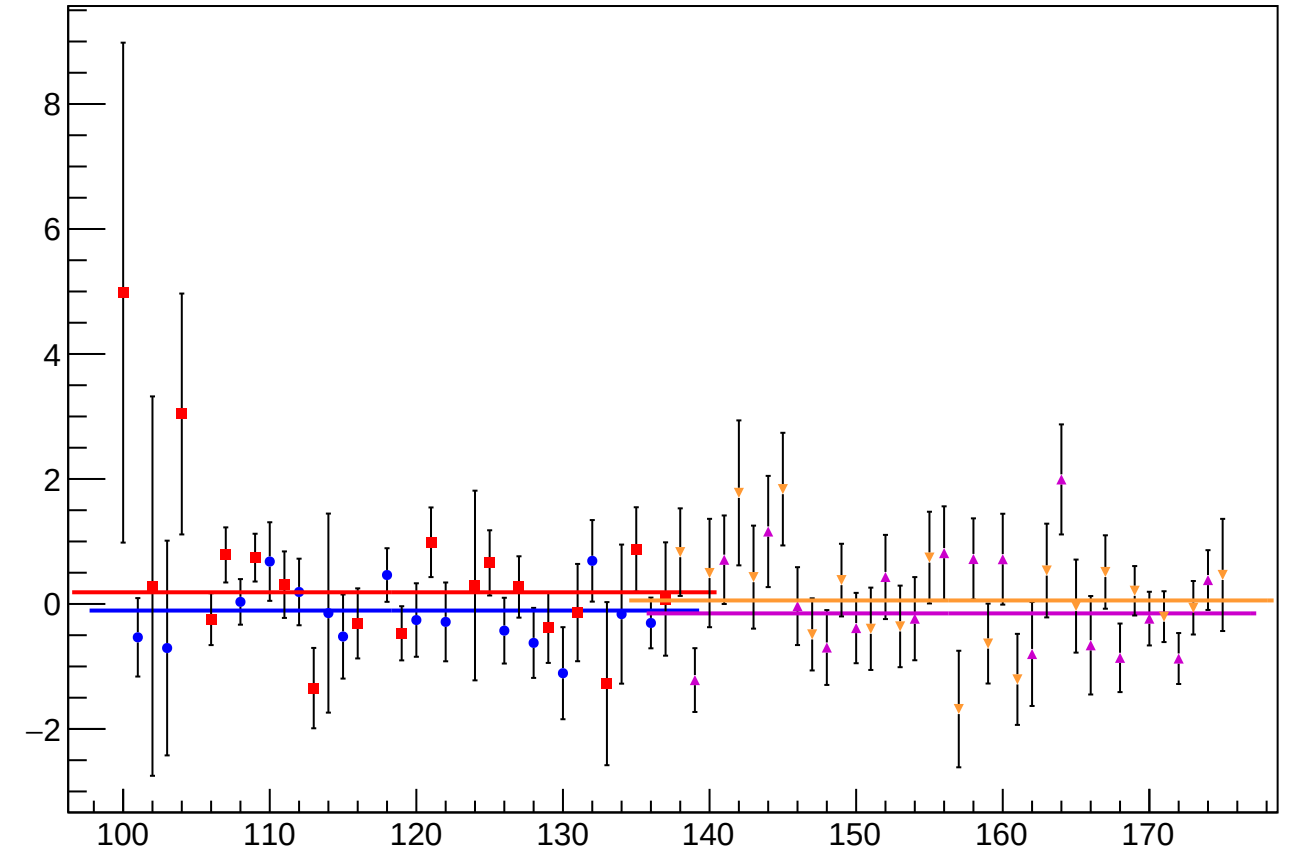
Left: 0.013+/-0.000 χ^2/NDF: 11648359.8/37

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12812576.6/33

Out: 0.011+/-0.000 χ^2/NDF:14513136.8/38

All: 0.011+/-0.000 χ^2/NDF: 27352250.7/72



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

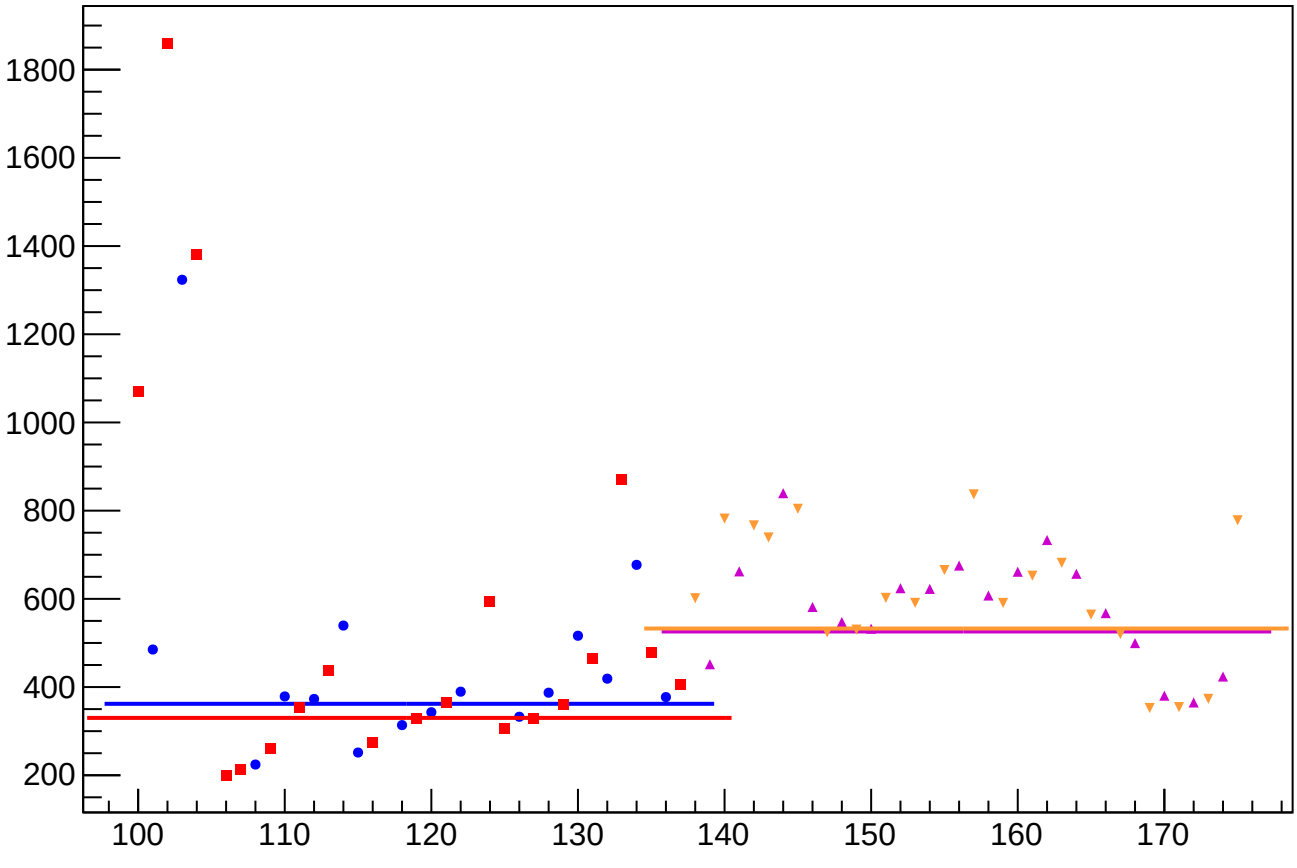
Left: -0.047+/-0.100 χ^2/NDF: 49.1/37

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: 0.001+/-0.071 χ^2/NDF: 85.2/72



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

Left: 529.416+/-0.071 χ^2/NDF: 3732434.4/37

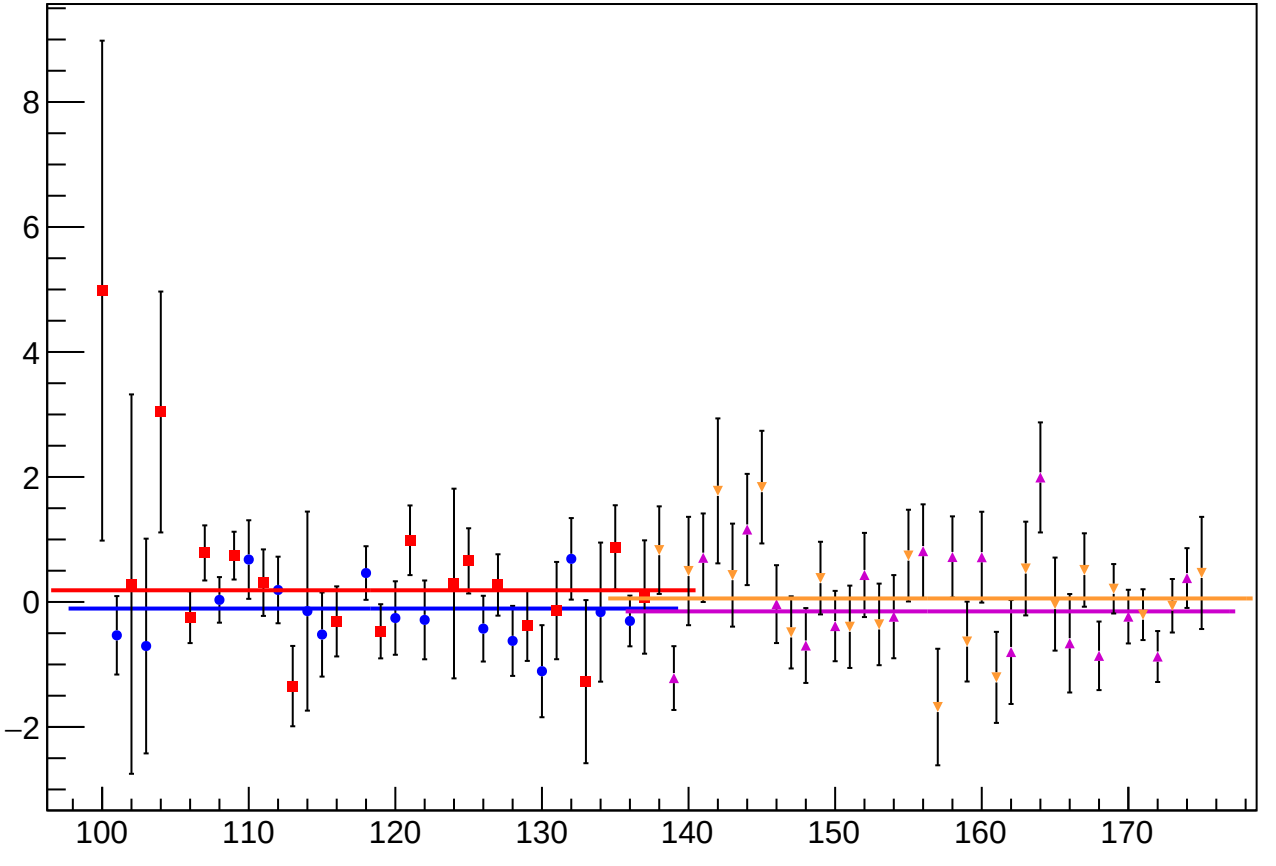
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 445.571+/-0.072 χ^2/NDF:4146481.8/33

Out: 428.899+/-0.070 χ^2/NDF:6637686.7/38

All: 436.987+/-0.050 χ^2/NDF: 10812042.7/72

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

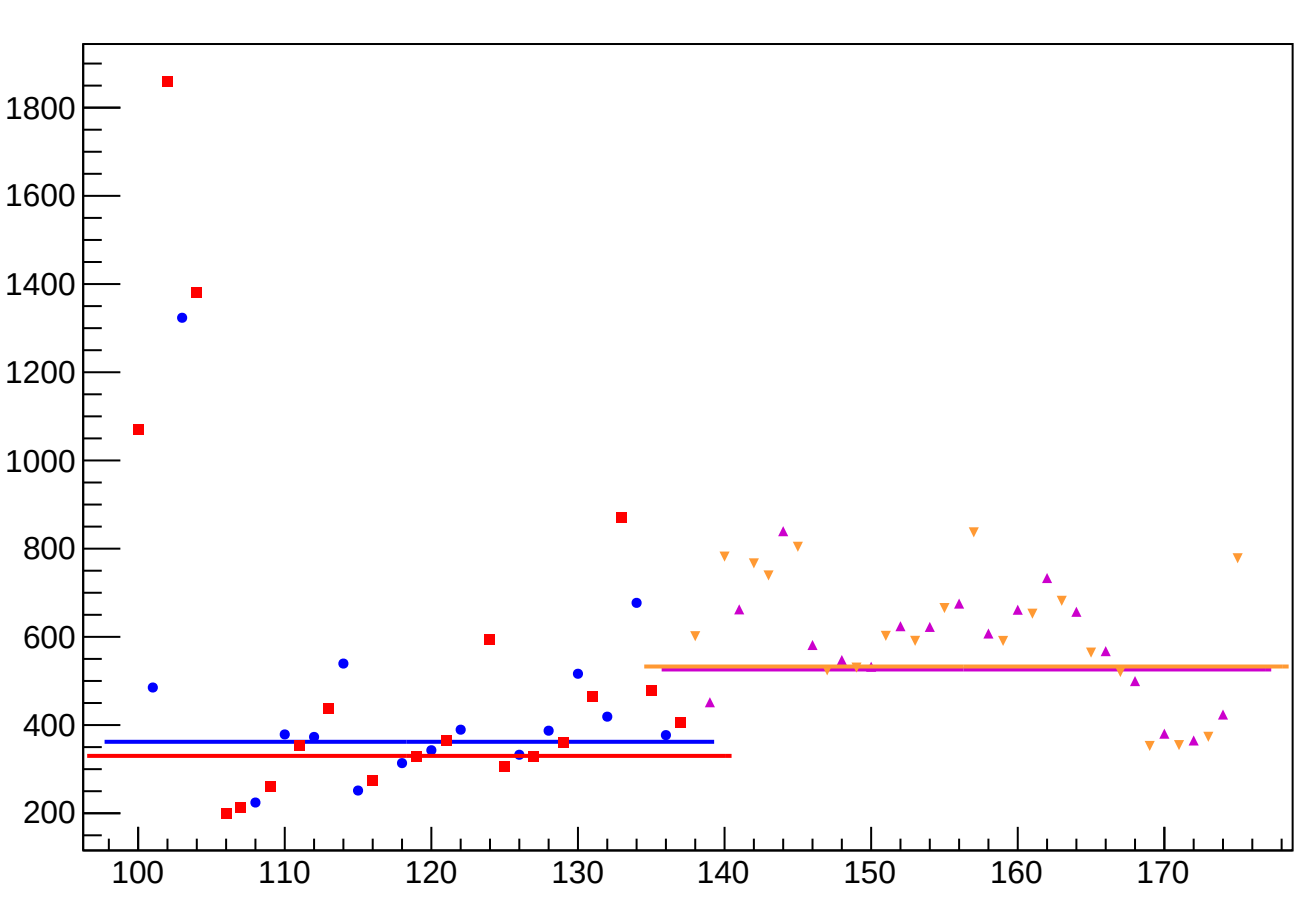
Left: -0.047+/-0.100 χ^2/NDF: 49.1/37

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: 0.001+/-0.071 χ^2/NDF: 85.2/72



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

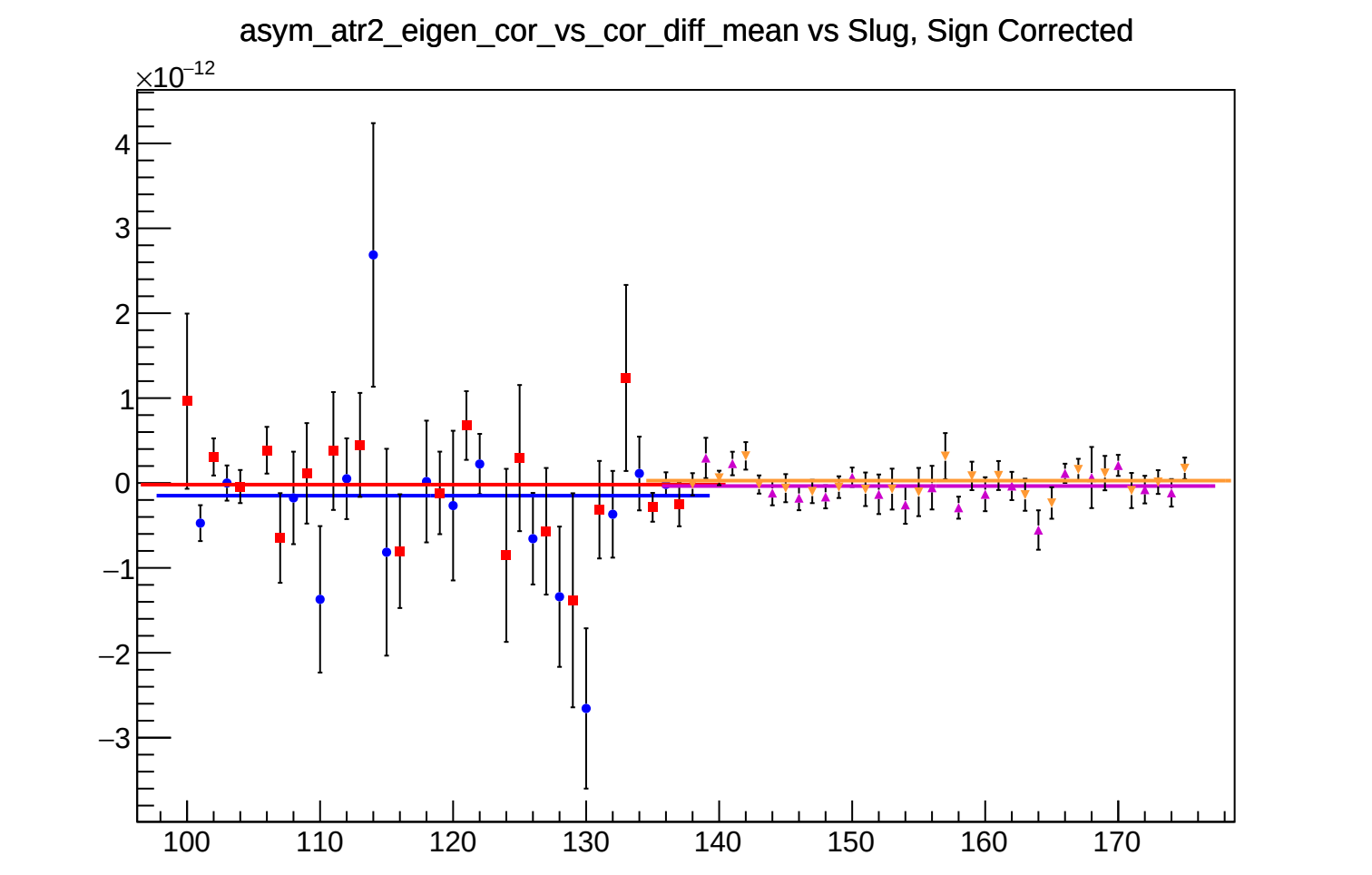
Left: 529.416+/-0.071 χ^2/NDF: 3732434.4/37

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 445.571+/-0.072 χ^2/NDF:4146481.8/33

Out: 428.899+/-0.070 χ^2/NDF:6637686.7/38

All: 436.987+/-0.050 χ^2/NDF: 10812042.7/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.8/17

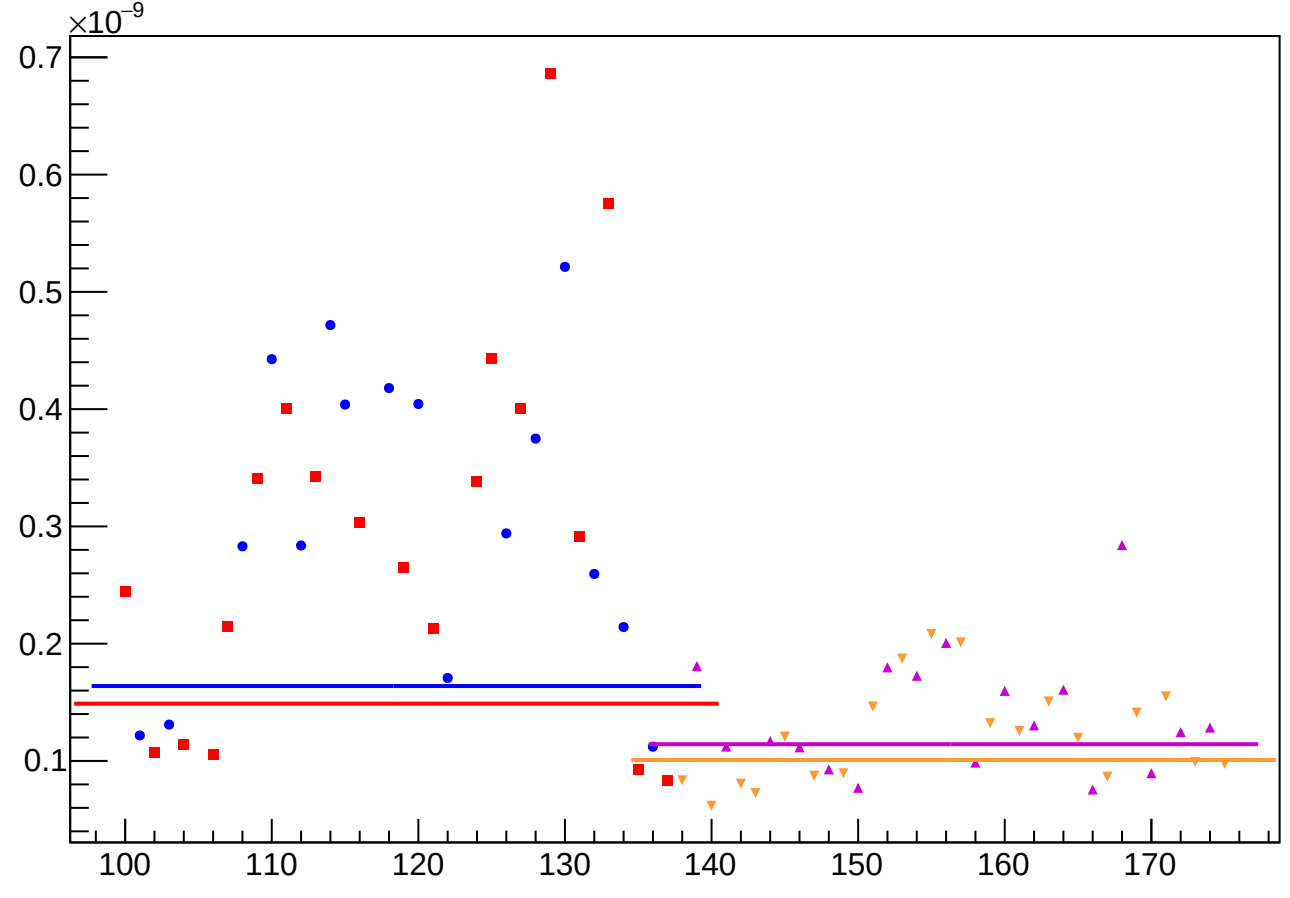
Left: -0.000+/-0.000 χ^2/NDF: 39.3/37

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:47.5/33

Out: 0.000+/-0.000 χ^2/NDF:32.6/38

All: -0.000+/-0.000 χ^2/NDF: 82.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2126872.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1953805.7/17

Left: 0.000+/-0.000 χ^2/NDF: 4225253.5/37

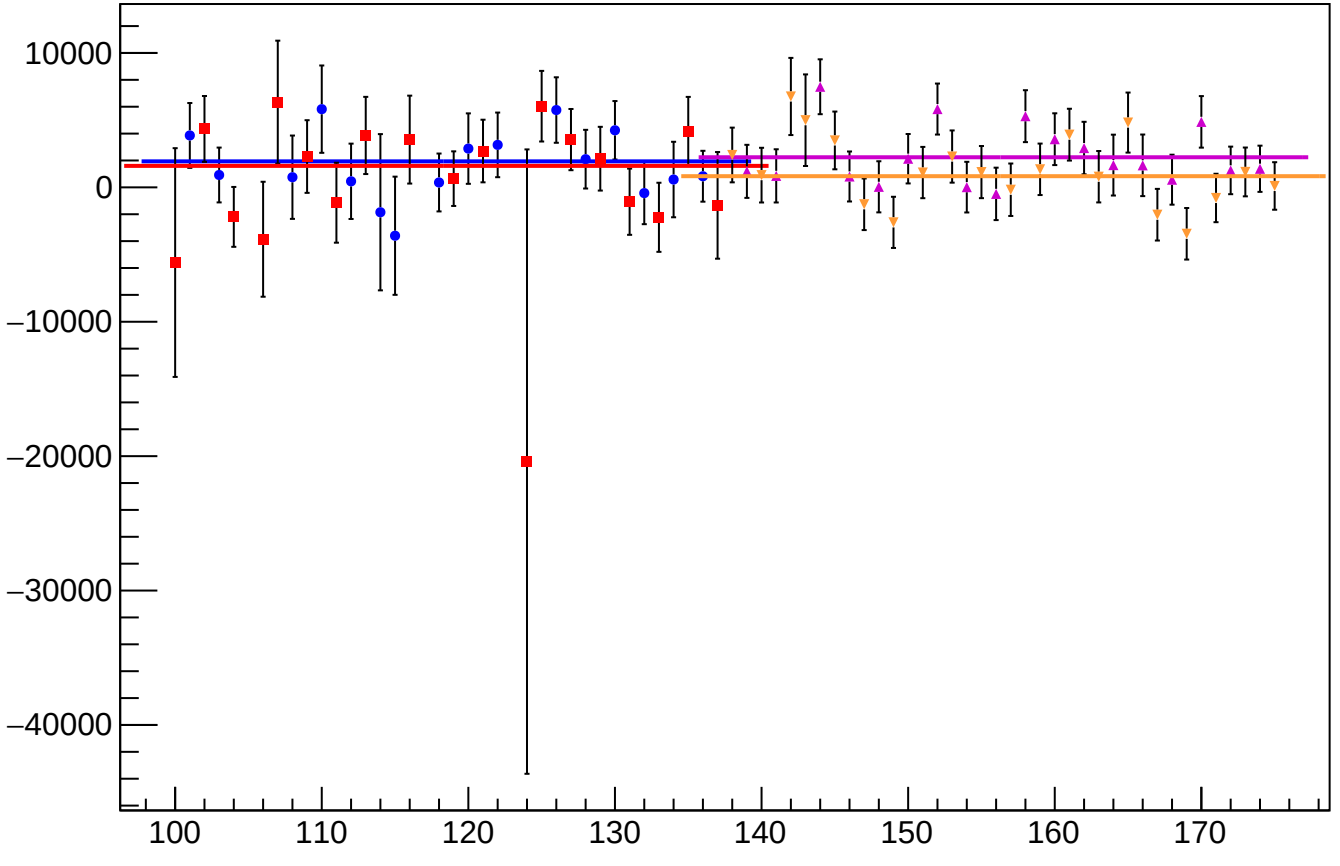
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4510386.3/33

Out: 0.000+/-0.000 χ^2/NDF:5543298.1/38

All: 0.000+/-0.000 χ^2/NDF: 10250249.7/72

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.207+/-446.659 χ^2/NDF:27.3/19

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2239.143+/-454.547 χ^2/NDF:22.7/17

Left: 1522.853+/-318.587 χ^2/NDF: 54.9/37

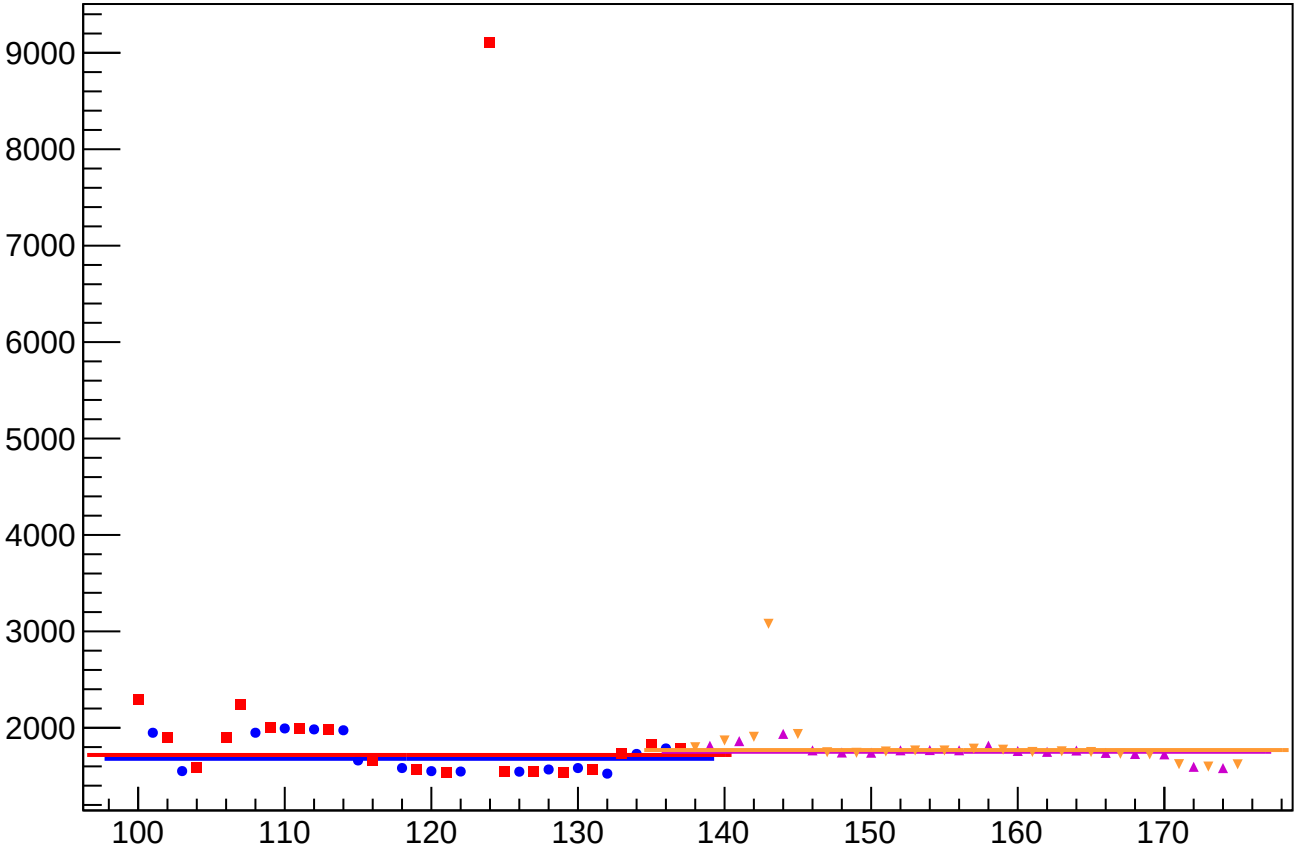
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2134.472+/-368.190 χ^2/NDF:33.8/33

Out: 1081.186+/-366.689 χ^2/NDF:47.6/38

All: 1605.678+/-259.818 χ^2/NDF: 85.5/72

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.8/19

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

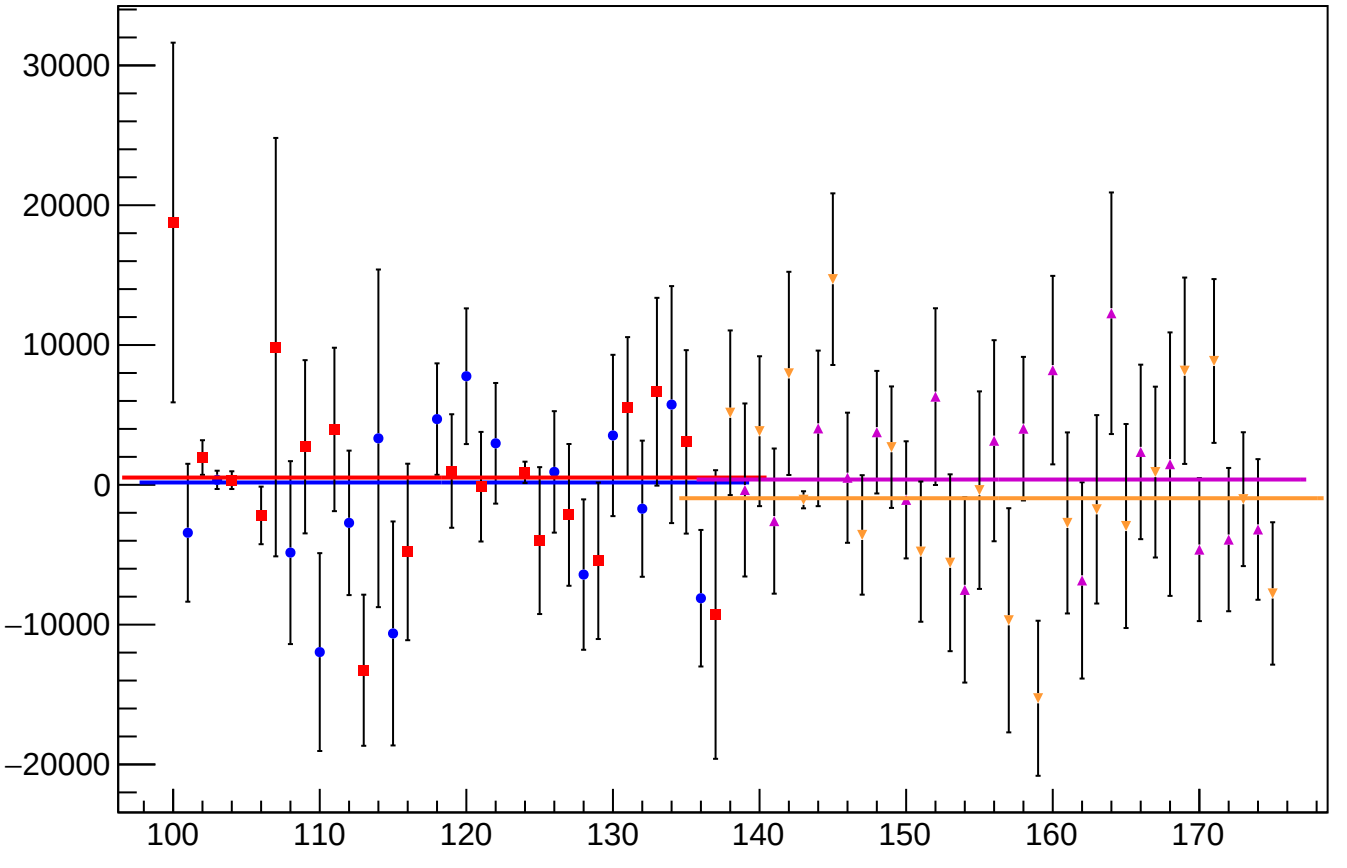
Left: 1760.551+/-0.225 χ^2/NDF: 430327.2/37

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1726.449+/-0.260 χ^2/NDF:222530.2/33

Out: 1752.527+/-0.259 χ^2/NDF:757194.5/38

All: 1739.561+/-0.184 χ^2/NDF: 984769.5/72



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -957.999+/-553.933 χ^2/NDF:26.7/19

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 379.679+/-1331.354 χ^2/NDF:11.0/17

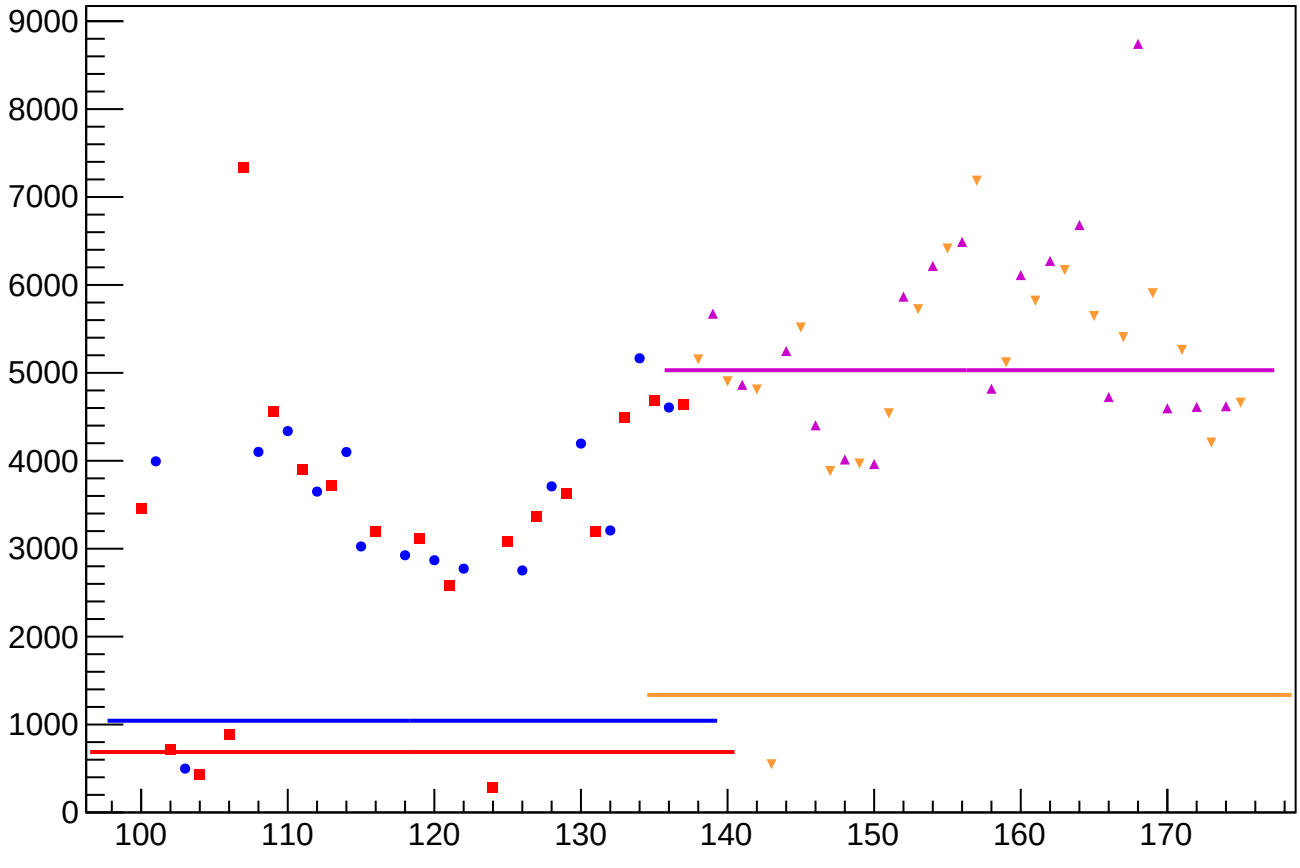
Left: -760.602+/-511.431 χ^2/NDF: 38.6/37

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 203.142+/-540.633 χ^2/NDF:26.9/33

Out: -26.622+/-337.081 χ^2/NDF:49.7/38

All: 37.694+/-286.037 χ^2/NDF: 76.7/72



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1336.697+/-0.392 χ^2/NDF:19678104.4/19

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5029.830+/-0.941 χ^2/NDF:1028083.7/17

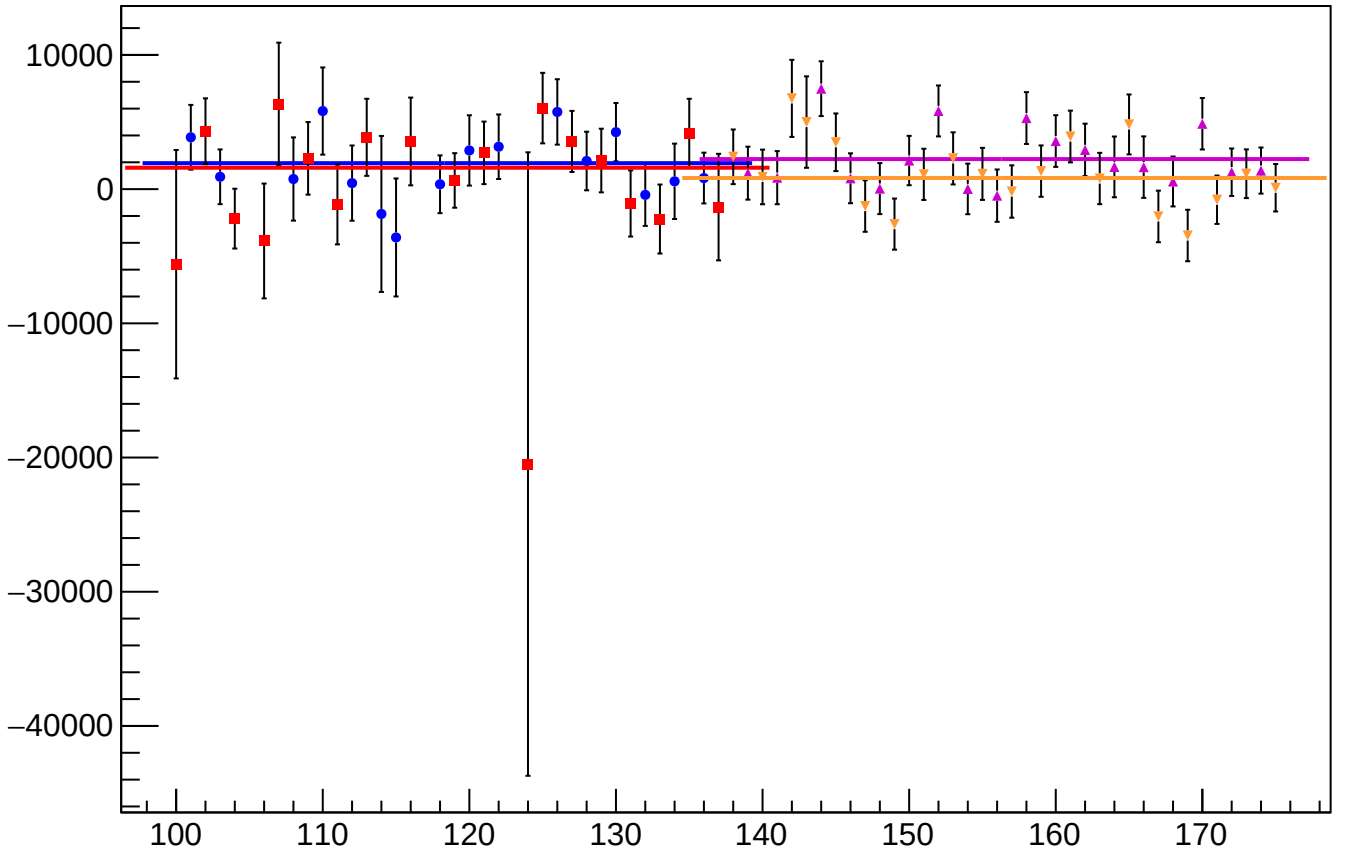
Left: 1881.679+/-0.362 χ^2/NDF: 33824956.6/37

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1700.522+/-0.382 χ^2/NDF:24116526.2/33

Out: 927.790+/-0.238 χ^2/NDF:30040373.8/38

All: 1144.096+/-0.202 χ^2/NDF: 57099019.2/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2239.210+/-454.547 χ^2/NDF:22.7/17

Left: 1522.882+/-318.588 χ^2/NDF: 54.9/37

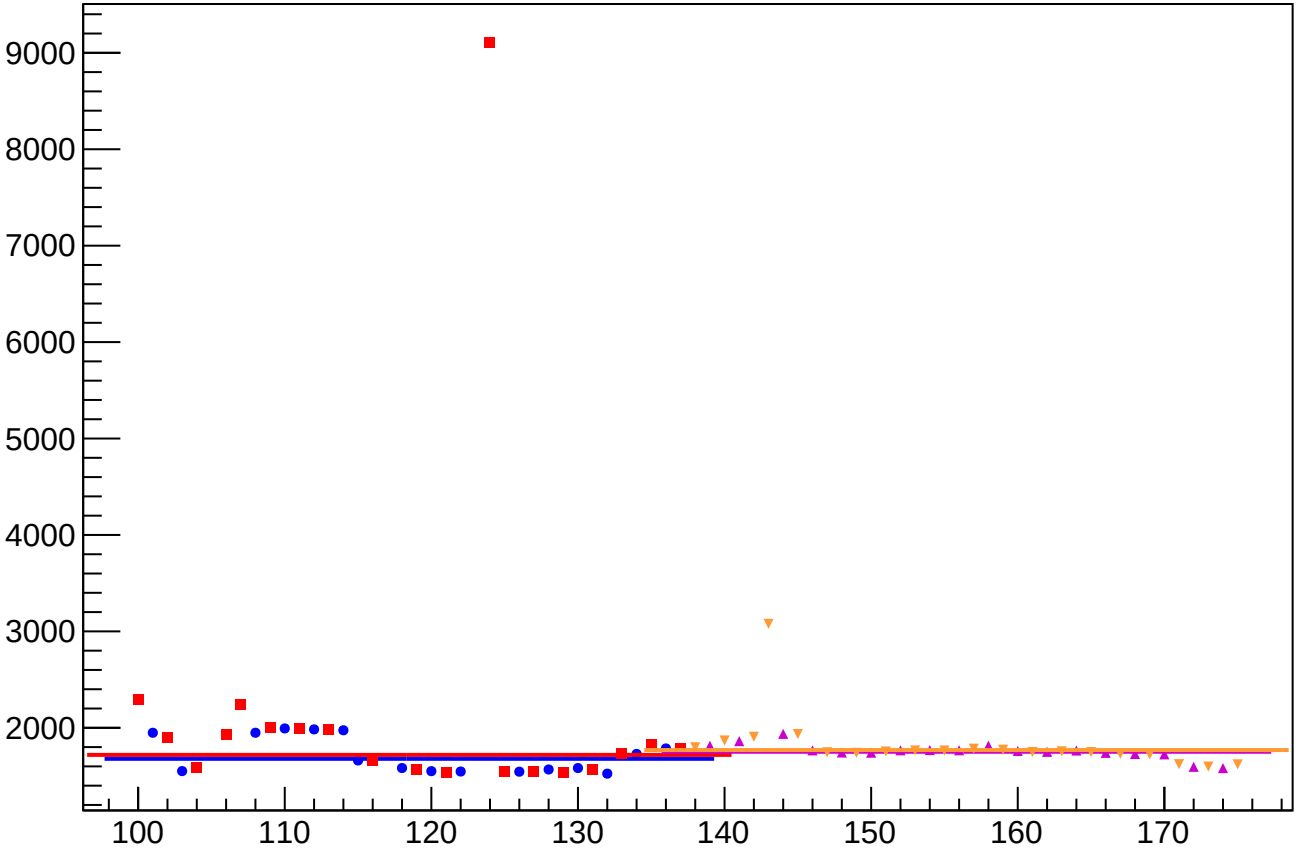
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2134.556+/-368.190 χ^2/NDF:33.8/33

Out: 1080.383+/-366.690 χ^2/NDF:47.6/38

All: 1605.318+/-259.818 χ^2/NDF: 85.5/72

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

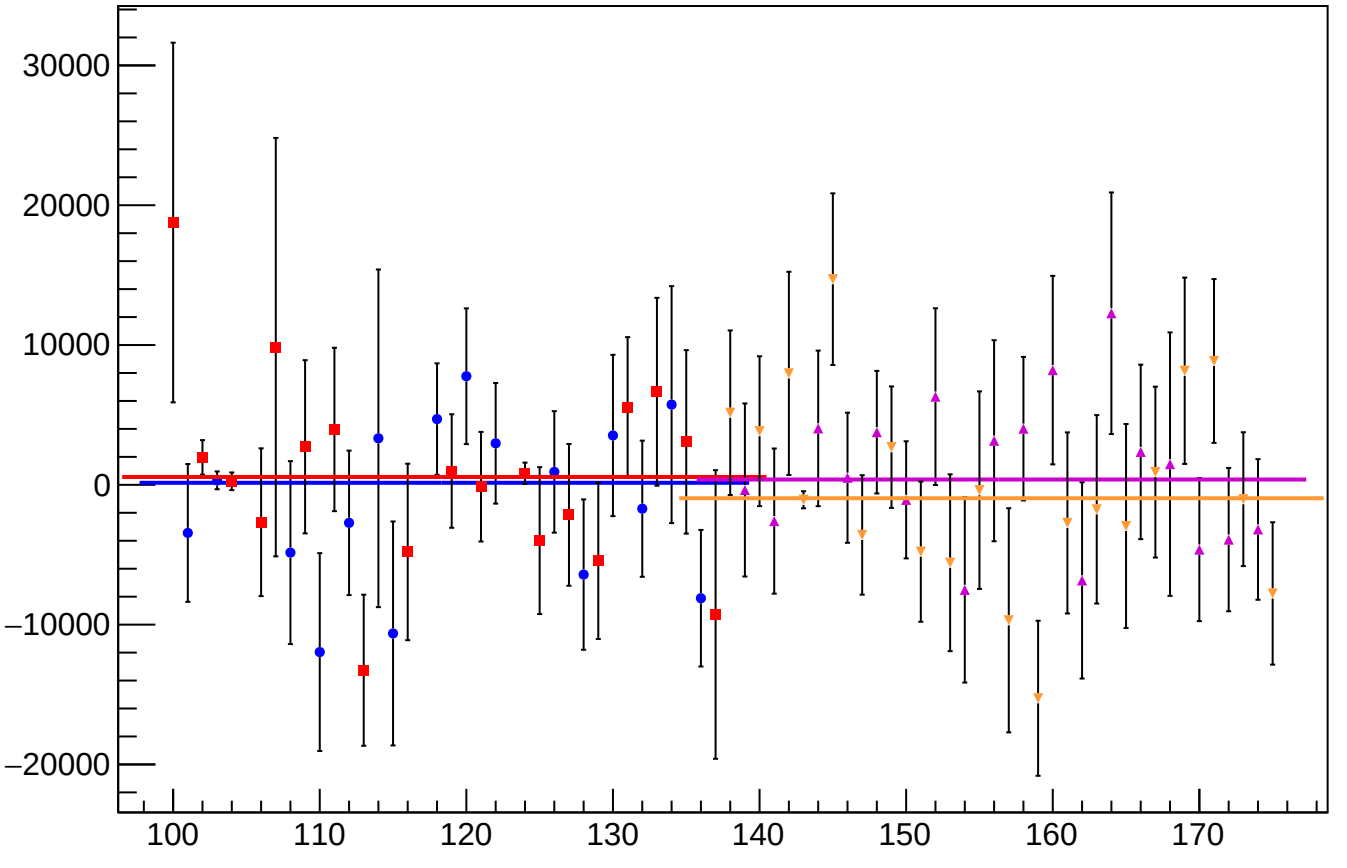
Left: 1760.551+/-0.225 χ^2/NDF: 430327.2/37

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1726.449+/-0.260 χ^2/NDF:222530.4/33

Out: 1752.812+/-0.259 χ^2/NDF:758654.9/38

All: 1739.702+/-0.184 χ^2/NDF: 986339.9/72



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 379.785+/-1331.354 χ^2/NDF:11.0/17

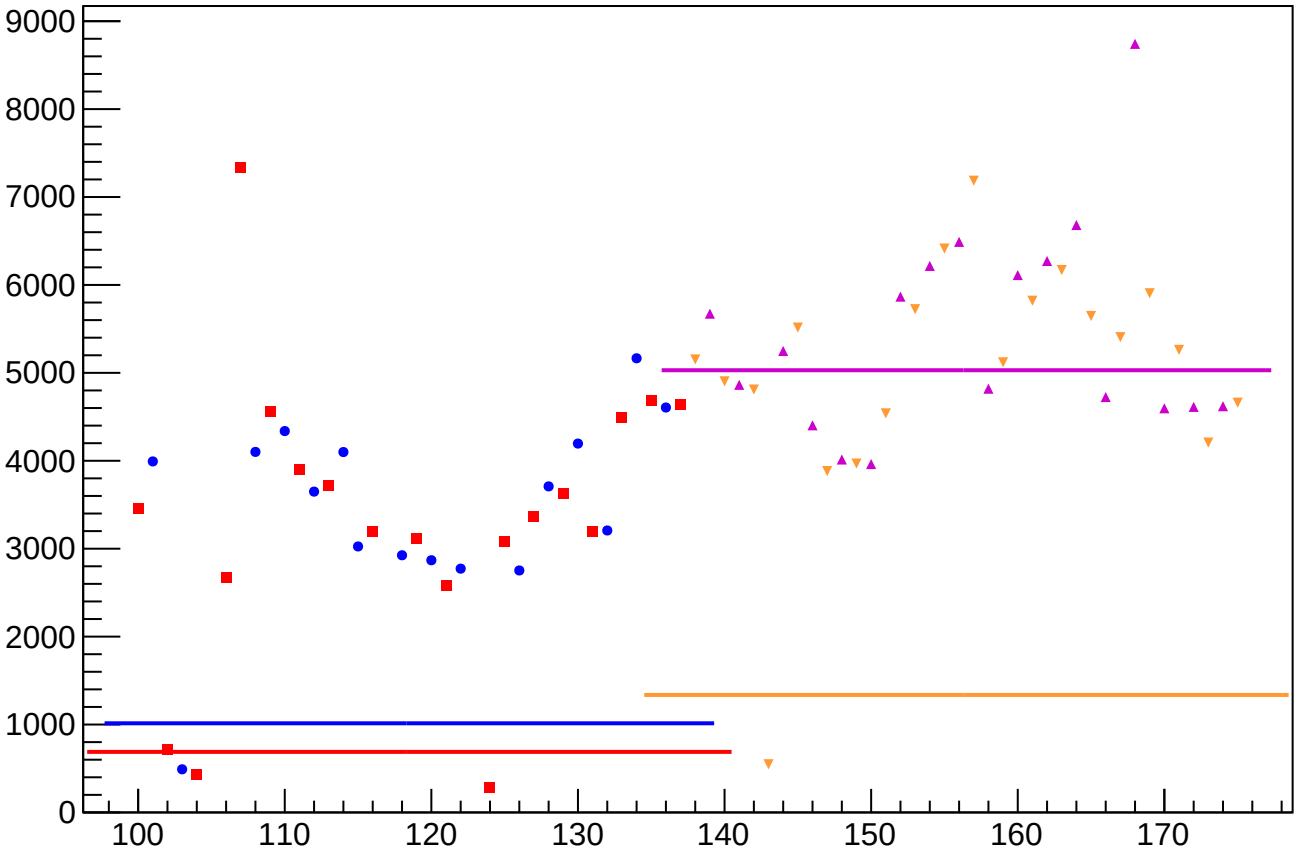
Left: -760.317+/-511.416 χ^2/NDF: 38.6/37

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 183.683+/-531.236 χ^2/NDF:26.9/33

Out: -10.806+/-339.972 χ^2/NDF:48.6/38

All: 45.704+/-286.353 χ^2/NDF: 75.6/72



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

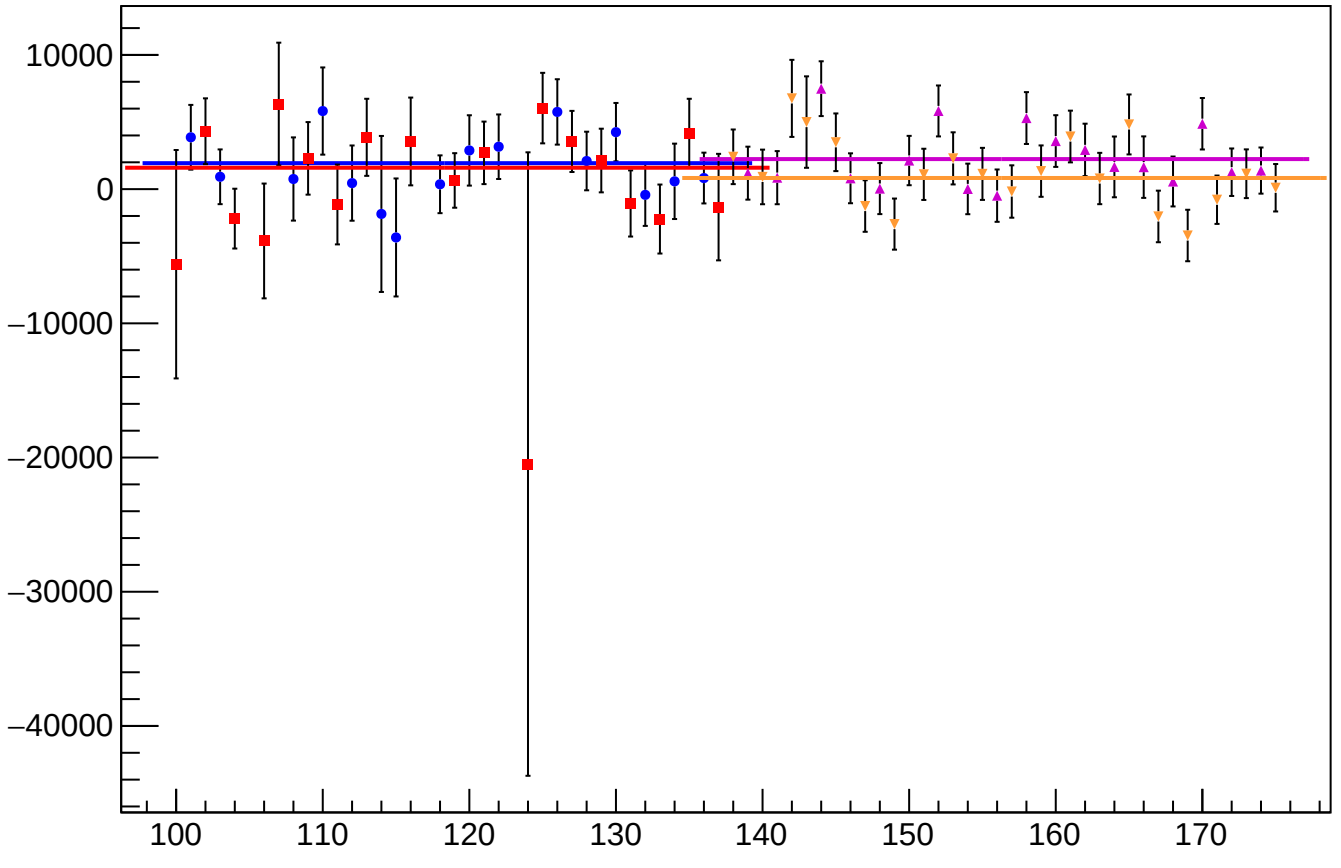
Left: 1881.586+/-0.362 χ^2/NDF: 33826072.7/37

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1653.466+/-0.376 χ^2/NDF:24549890.6/33

Out: 932.997+/-0.240 χ^2/NDF:30292725.0/38

All: 1142.333+/-0.202 χ^2/NDF: 57452391.2/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2239.210+/-454.547 χ^2/NDF:22.7/17

Left: 1522.882+/-318.588 χ^2/NDF: 54.9/37

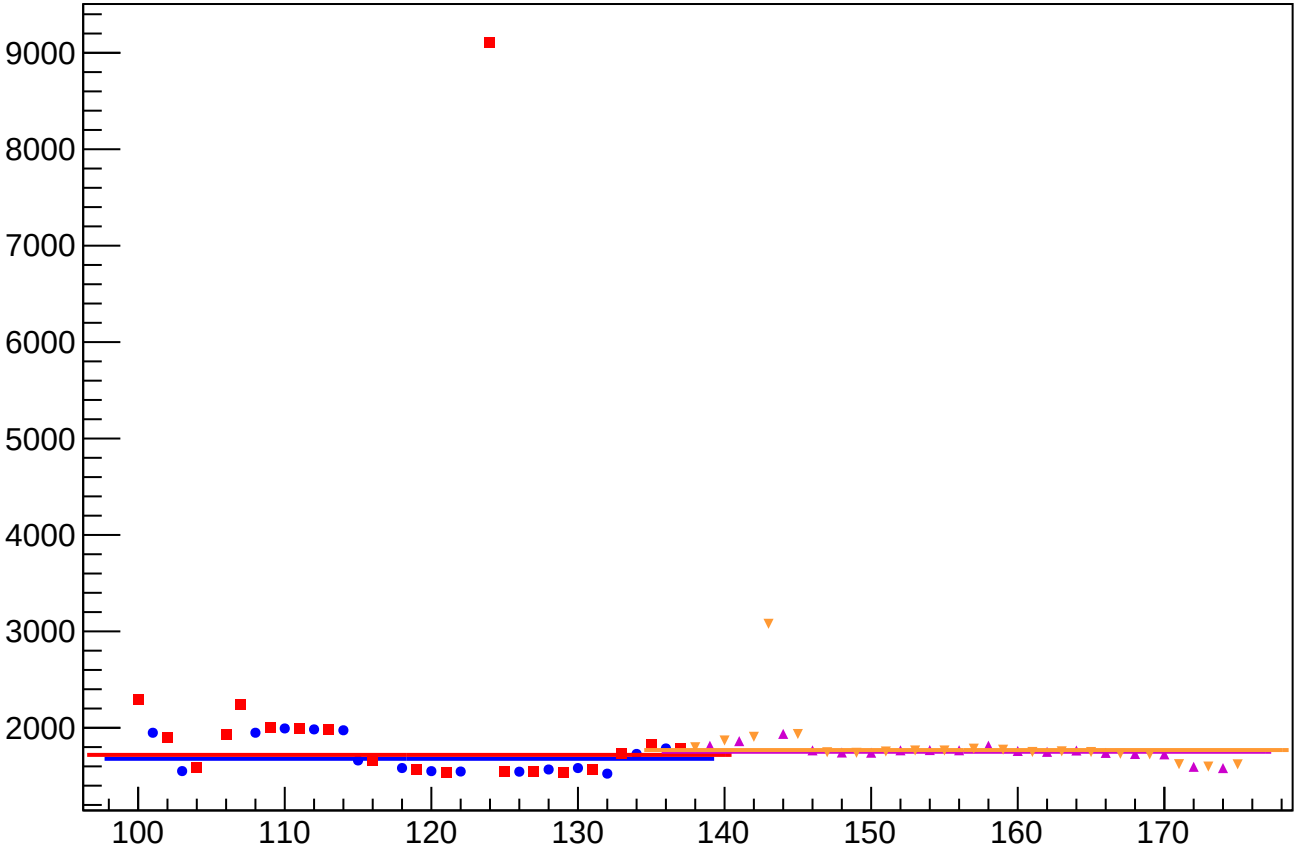
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2134.556+/-368.190 χ^2/NDF:33.8/33

Out: 1080.383+/-366.690 χ^2/NDF:47.6/38

All: 1605.318+/-259.818 χ^2/NDF: 85.5/72

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

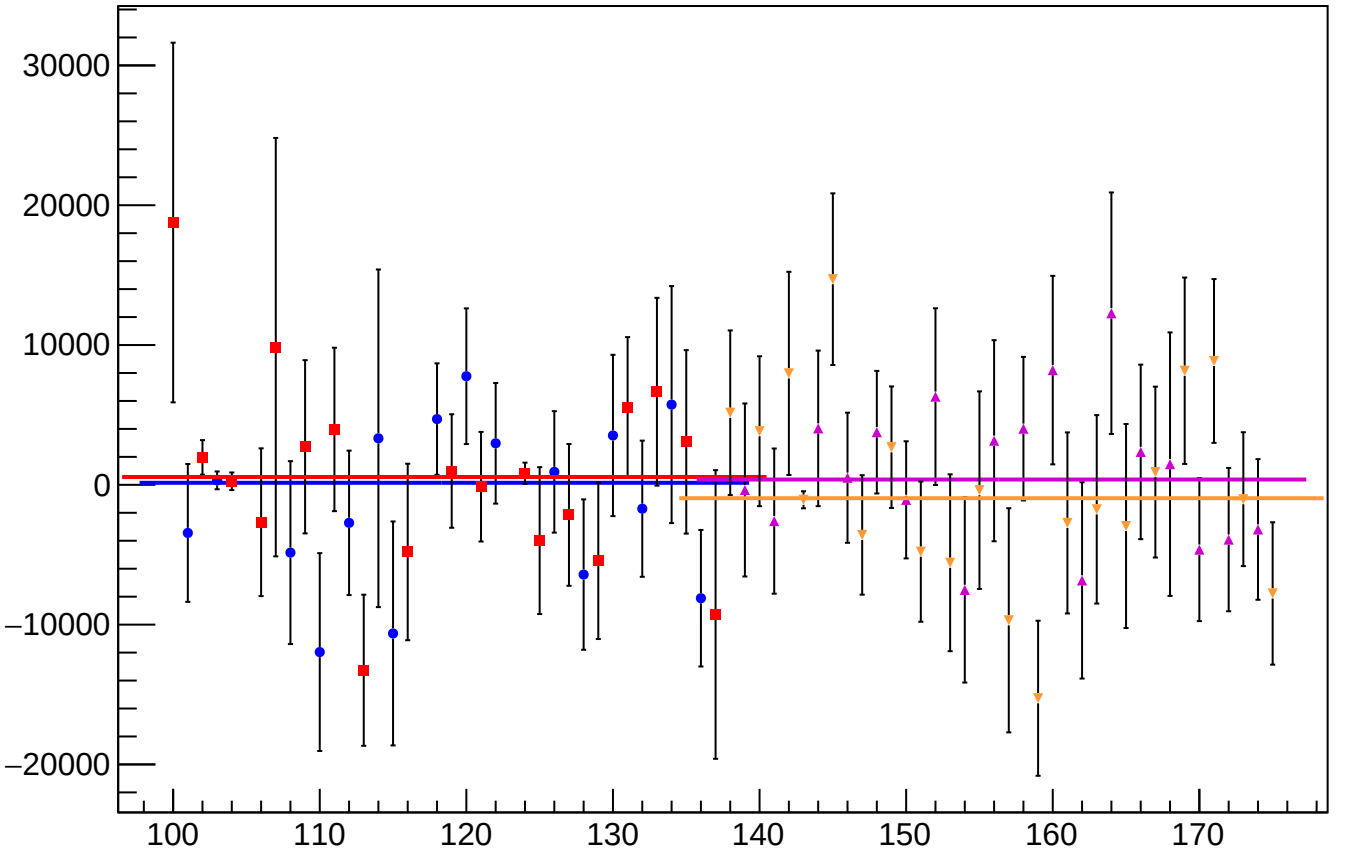
Left: 1760.551+/-0.225 χ^2/NDF: 430327.2/37

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1726.449+/-0.260 χ^2/NDF:222530.4/33

Out: 1752.812+/-0.259 χ^2/NDF:758654.9/38

All: 1739.702+/-0.184 χ^2/NDF: 986339.9/72



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 379.785+/-1331.354 χ^2/NDF:11.0/17

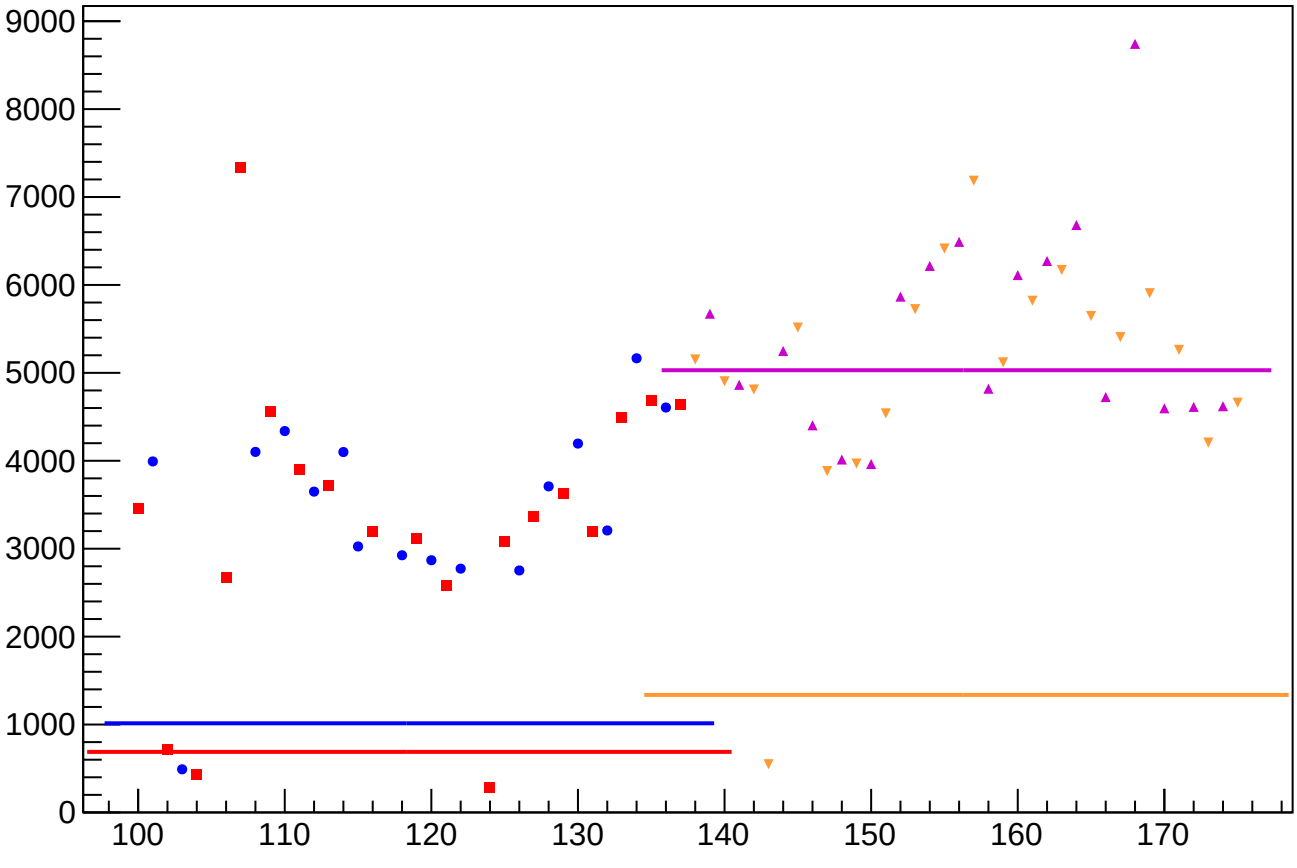
Left: -760.317+/-511.416 χ^2/NDF: 38.6/37

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 183.683+/-531.236 χ^2/NDF:26.9/33

Out: -10.806+/-339.972 χ^2/NDF:48.6/38

All: 45.704+/-286.353 χ^2/NDF: 75.6/72



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

Left: 1881.586+/-0.362 χ^2/NDF: 33826072.7/37

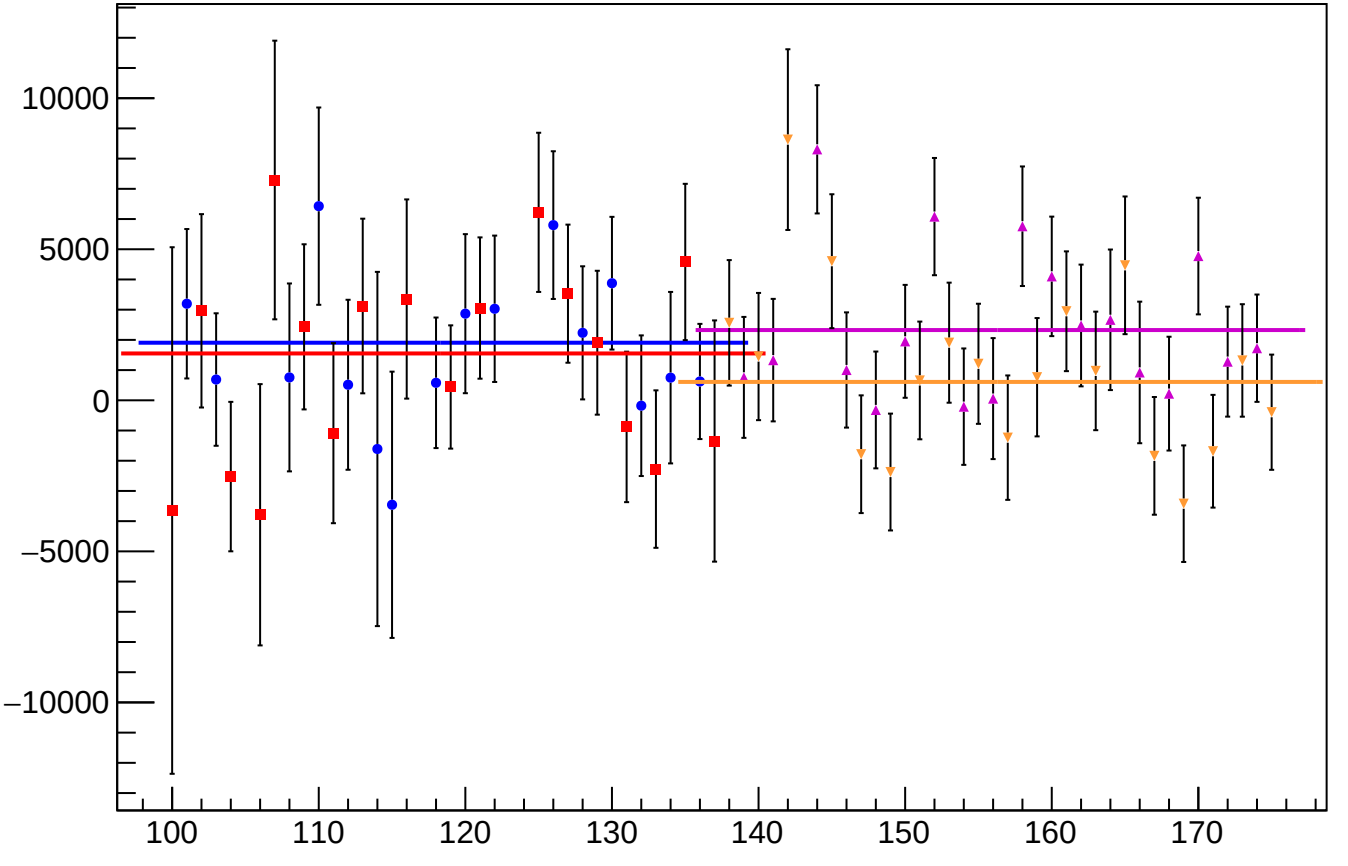
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1653.466+/-0.376 χ^2/NDF:24549890.6/33

Out: 932.997+/-0.240 χ^2/NDF:30292725.0/38

All: 1142.333+/-0.202 χ^2/NDF: 57452391.2/7

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.653+/-463.256 χ^2/NDF:28.9/18

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2325.473+/-465.185 χ^2/NDF:25.5/17

Left: 1463.497+/-328.251 χ^2/NDF: 61.2/36

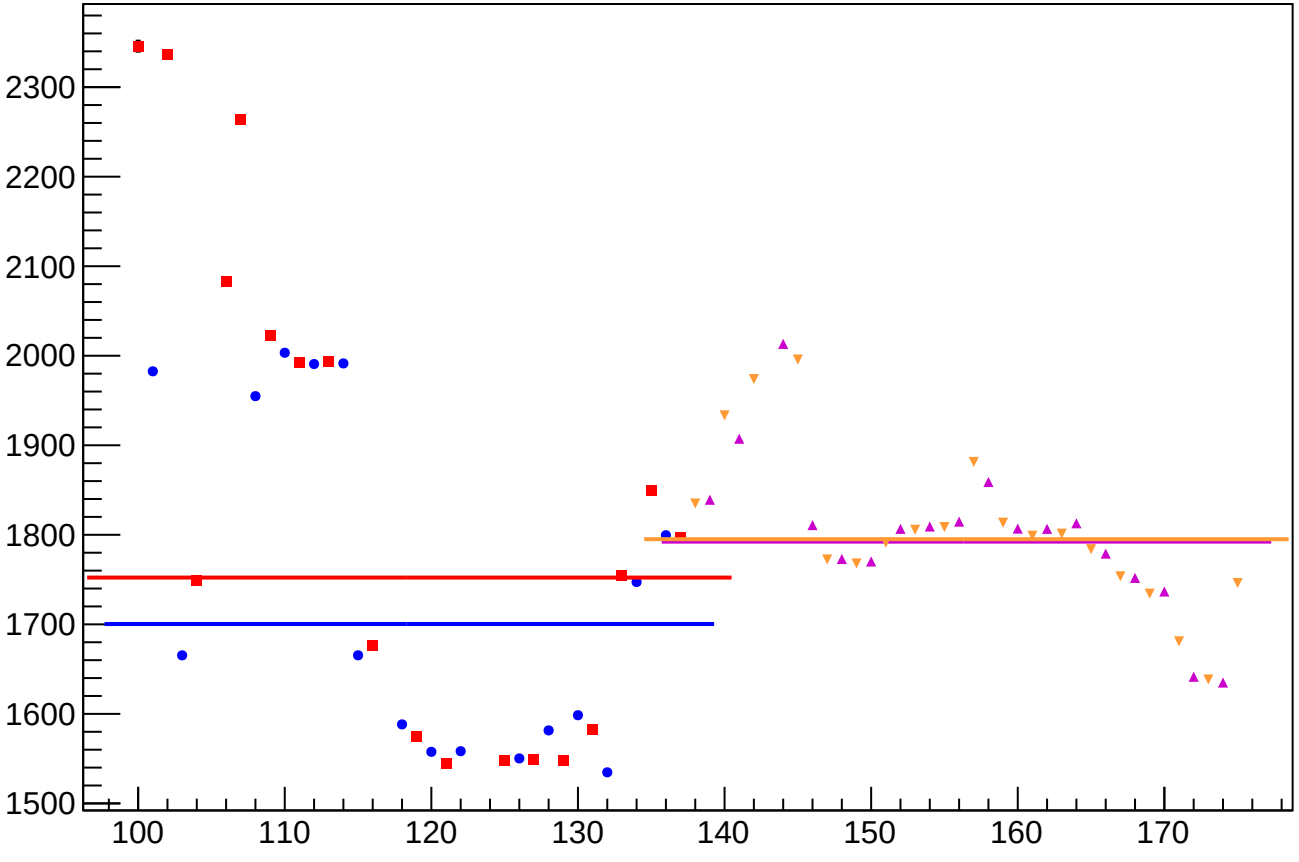
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2179.477+/-375.558 χ^2/NDF:36.0/33

Out: 919.013+/-379.374 χ^2/NDF:47.7/36

All: 1555.617+/-266.899 χ^2/NDF: 89.2/70

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63352.6/18

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1792.384+/-0.329 χ^2/NDF:65108.3/17

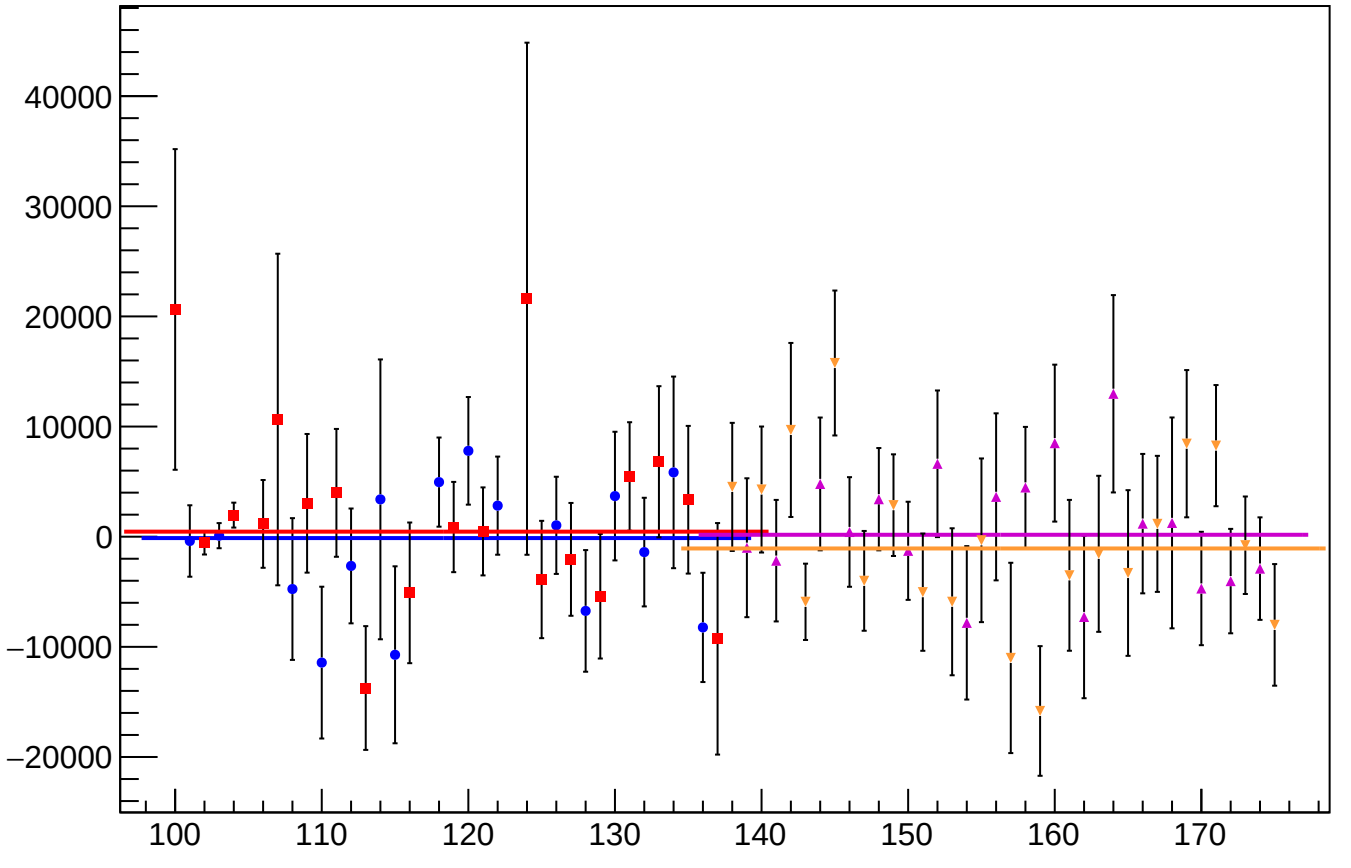
Left: 1793.750+/-0.232 χ^2/NDF: 128495.3/36

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1760.338+/-0.266 χ^2/NDF:227783.0/33

Out: 1780.944+/-0.268 χ^2/NDF:316962.9/36

All: 1770.545+/-0.189 χ^2/NDF: 547728.2/70



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1068.135+/-1269.134 χ^2/NDF:28.8/19

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 174.381+/-1372.091 χ^2/NDF:11.1/17

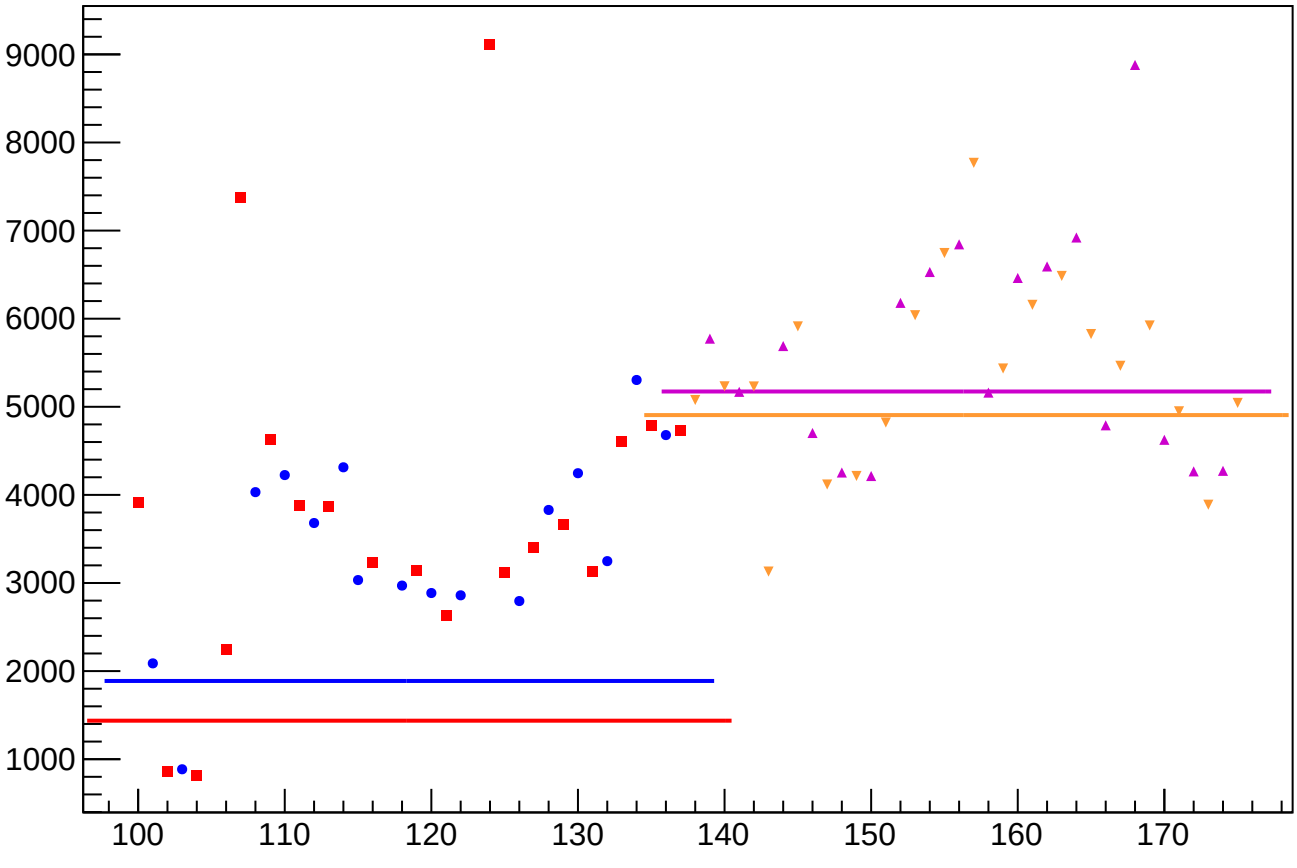
Left: -495.238+/-931.688 χ^2/NDF: 40.3/37

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -39.817+/-733.328 χ^2/NDF:26.2/33

Out: 119.368+/-598.808 χ^2/NDF:48.5/38

All: 55.688+/-463.820 χ^2/NDF: 74.7/72



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4905.846+/-0.897 χ^2/NDF:1472106.4/19

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5173.564+/-0.970 χ^2/NDF:1134000.6/17

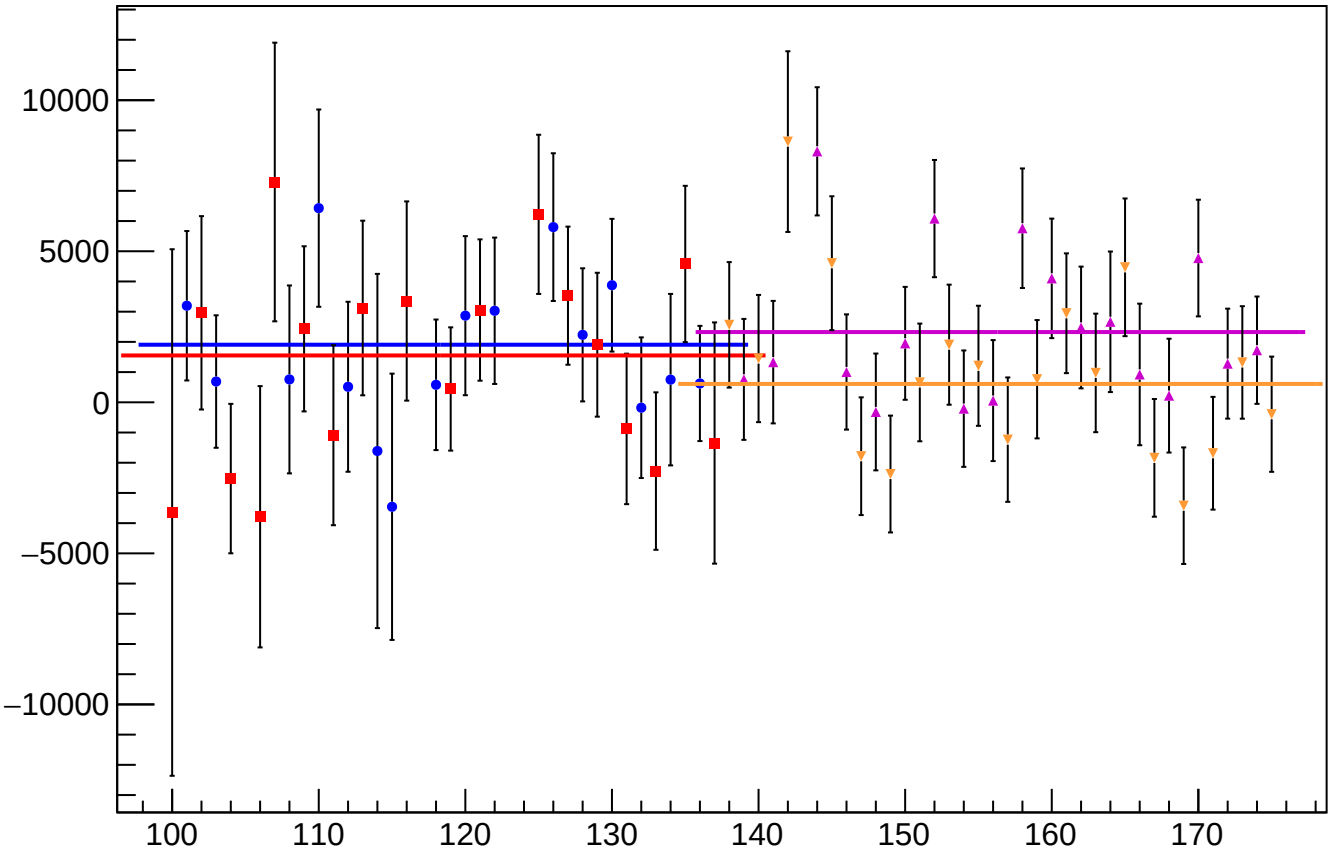
Left: 5029.285+/-0.659 χ^2/NDF: 2647141.3/37

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2826.513+/-0.519 χ^2/NDF:13751819.3/33

Out: 2209.310+/-0.423 χ^2/NDF:19050583.5/38

All: 2456.215+/-0.328 χ^2/NDF: 33652389.2/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.649+/-463.256 χ^2/NDF:28.9/18

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2325.473+/-465.185 χ^2/NDF:25.5/17

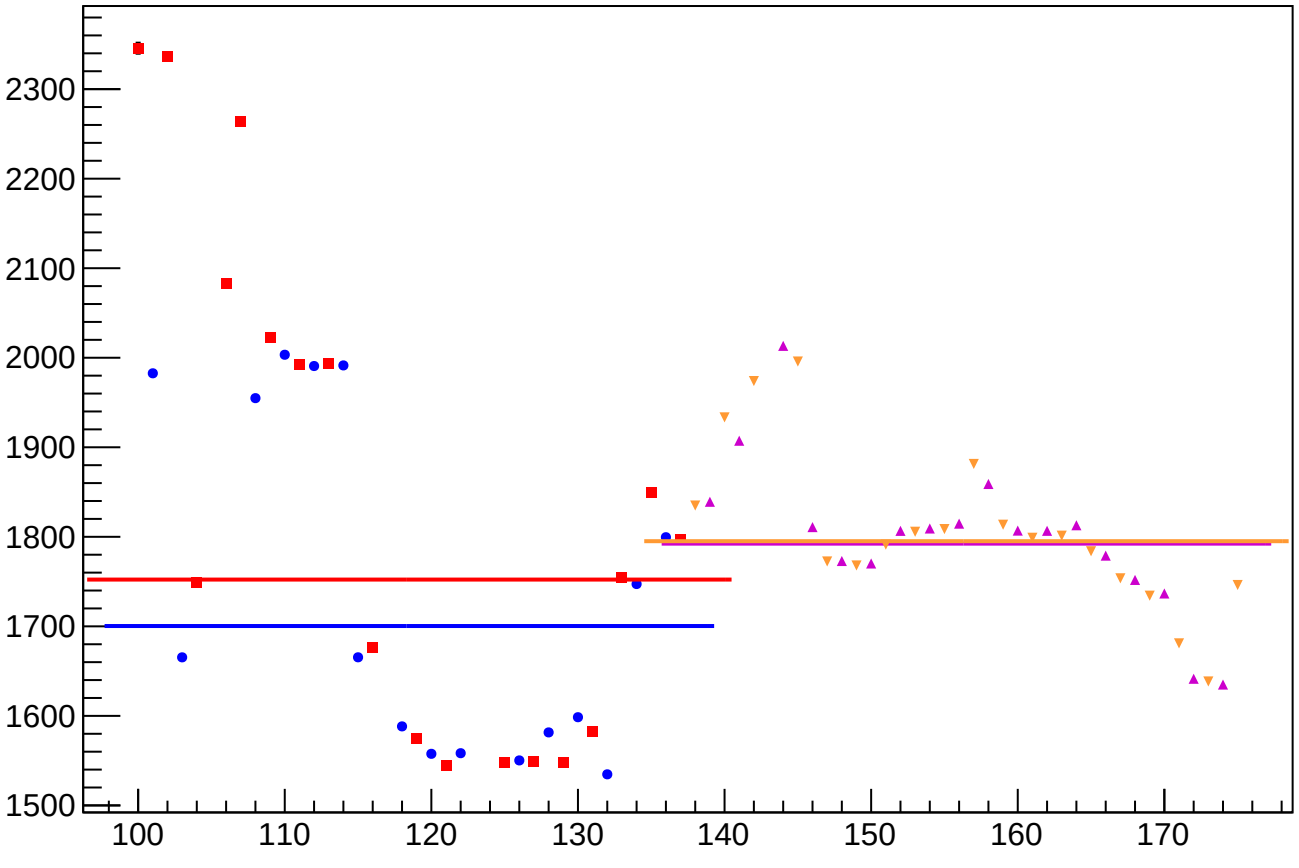
Left: 1463.495+/-328.251 χ^2/NDF: 61.2/36

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2179.476+/-375.558 χ^2/NDF:36.0/33

Out: 919.010+/-379.374 χ^2/NDF:47.7/36

All: 1555.615+/-266.899 χ^2/NDF: 89.2/70



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63354.8/18

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1792.384+/-0.329 χ^2/NDF:65110.5/17

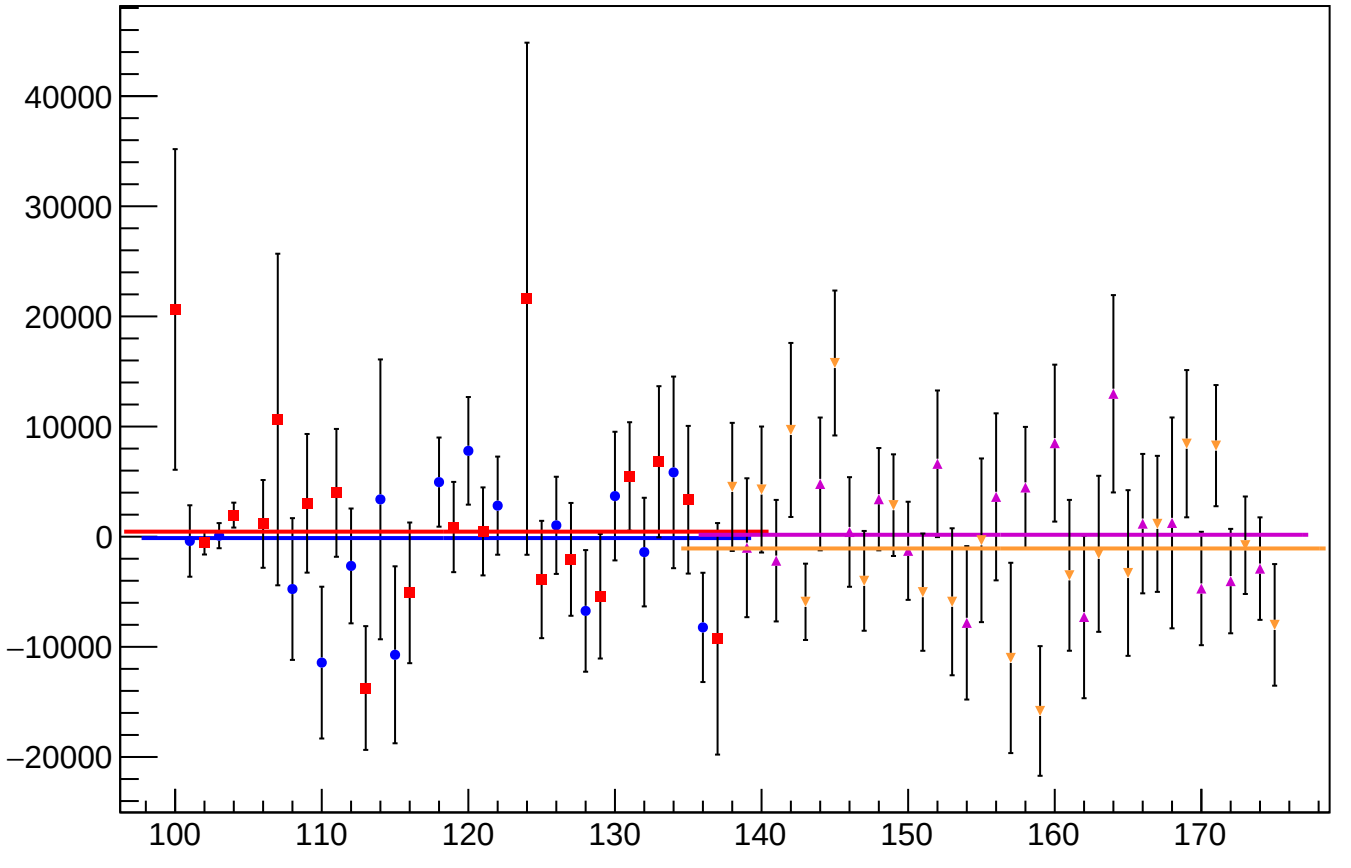
Left: 1793.751+/-0.232 χ^2/NDF: 128499.7/36

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1760.339+/-0.266 χ^2/NDF:227785.9/33

Out: 1780.944+/-0.268 χ^2/NDF:316965.0/36

All: 1770.545+/-0.189 χ^2/NDF: 547733.1/70



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1068.141+/-1269.136 χ^2/NDF:28.8/19

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 174.381+/-1372.094 χ^2/NDF:11.1/17

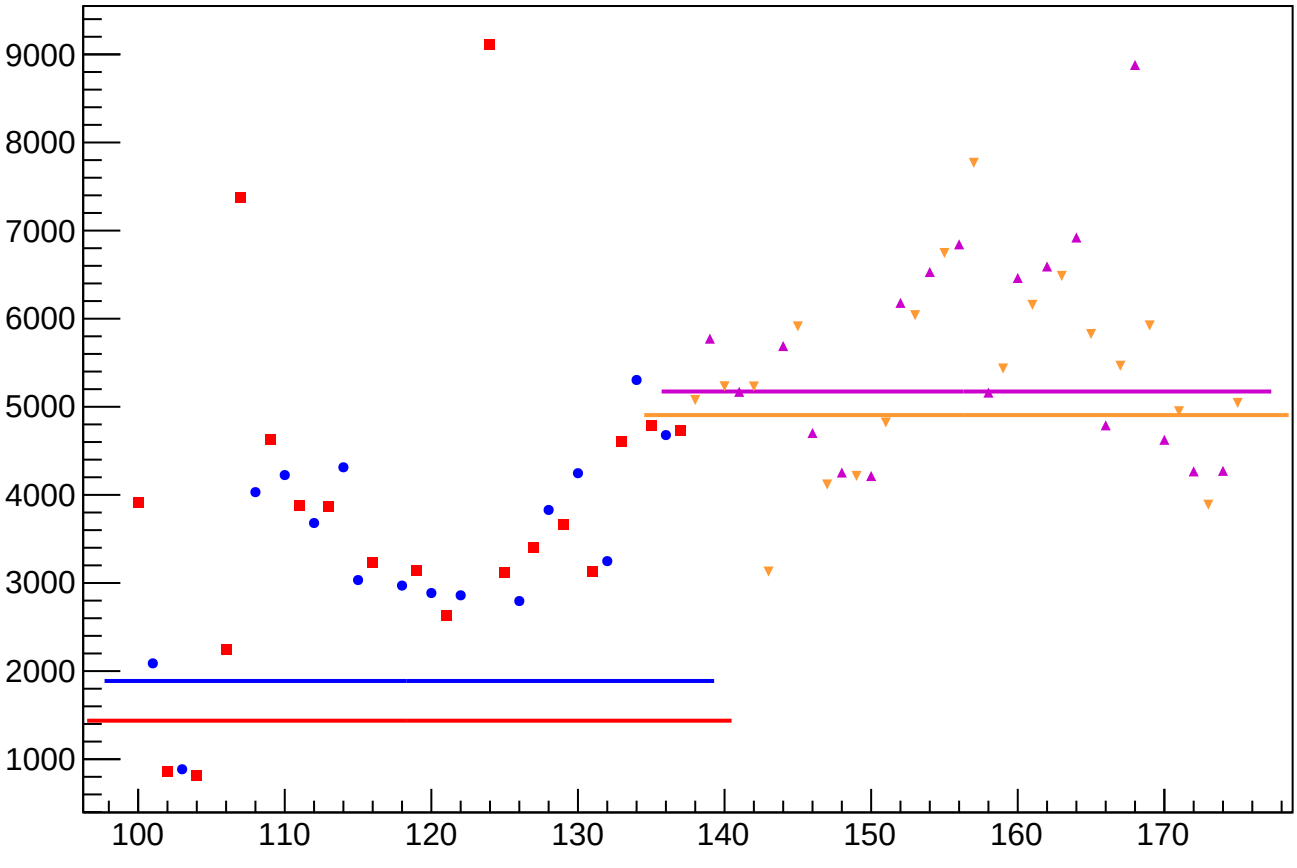
Left: -495.241+/-931.689 χ^2/NDF: 40.3/37

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -39.815+/-733.325 χ^2/NDF:26.2/33

Out: 119.370+/-598.804 χ^2/NDF:48.5/38

All: 55.690+/-463.817 χ^2/NDF: 74.7/72



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4905.853+/-0.897 χ^2/NDF:1472111.7/19

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5173.573+/-0.970 χ^2/NDF:1134001.0/17

Left: 5029.293+/-0.659 χ^2/NDF: 2647147.2/37

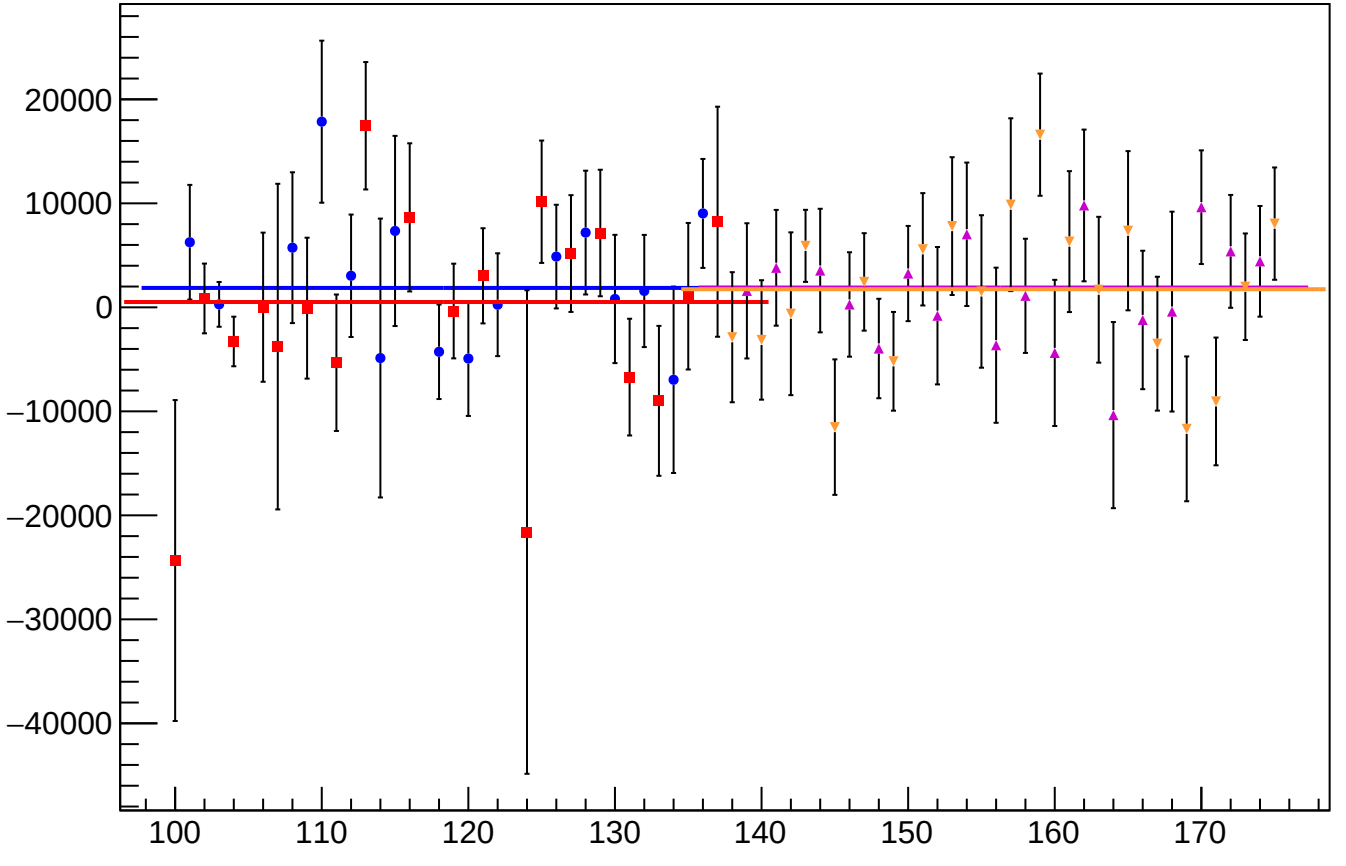
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2826.492+/-0.519 χ^2/NDF:13751992.0/33

Out: 2209.291+/-0.423 χ^2/NDF:19050772.6/38

All: 2456.195+/-0.328 χ^2/NDF: 33652757.5/7

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1741.633+/-1300.748 χ^2/NDF:27.6/19

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1905.382+/-1416.737 χ^2/NDF:9.9/17

Left: 1816.531+/-958.154 χ^2/NDF: 37.6/37

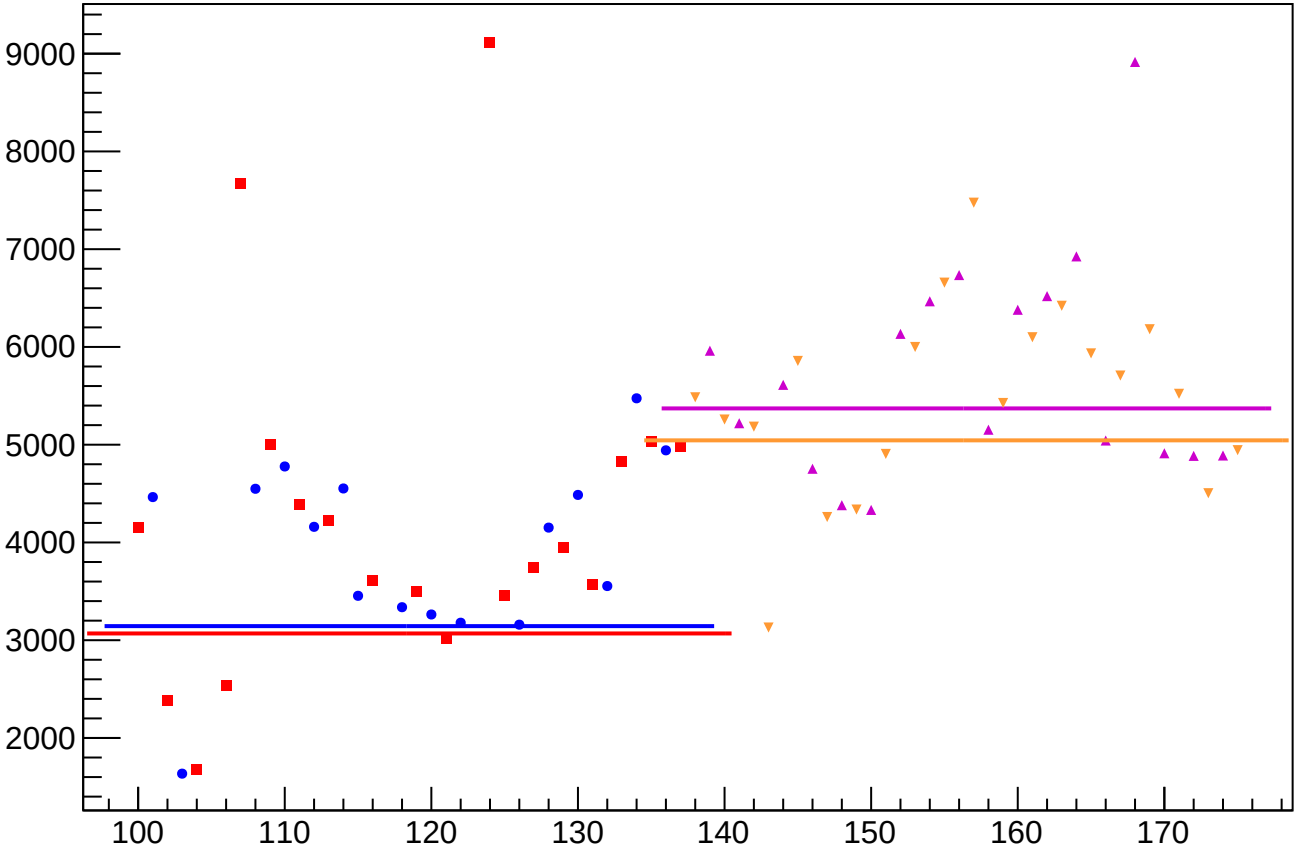
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1883.726+/-941.173 χ^2/NDF:23.7/33

Out: 1098.458+/-898.094 χ^2/NDF:52.8/38

All: 1472.709+/-649.744 χ^2/NDF: 76.9/72

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5044.444+/-0.920 χ^2/NDF:1337452.7/19

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5371.126+/-1.002 χ^2/NDF:862011.6/17

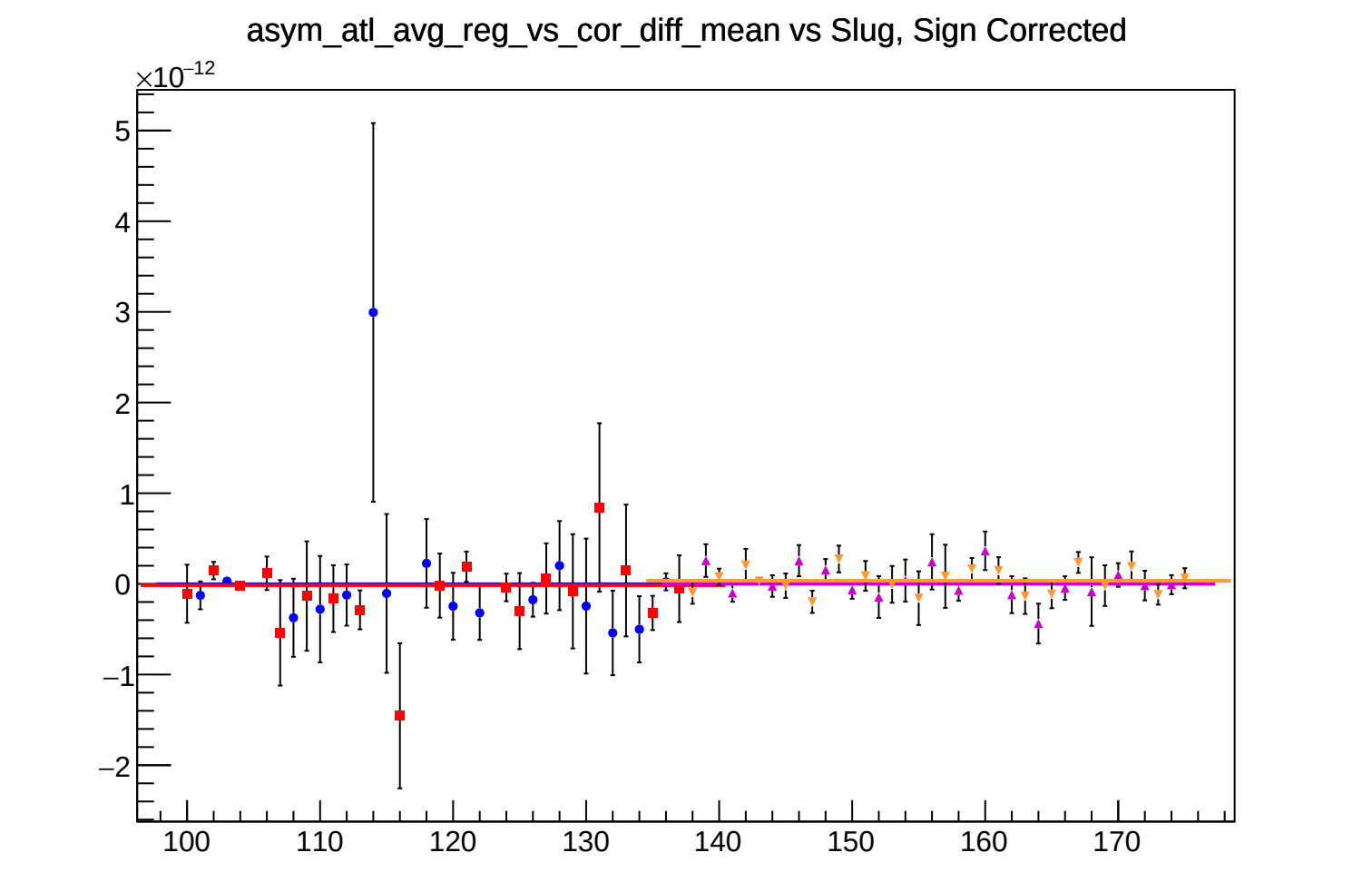
Left: 5193.866+/-0.678 χ^2/NDF: 2257165.6/37

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4126.964+/-0.666 χ^2/NDF:5506024.5/33

Out: 3995.306+/-0.630 χ^2/NDF:5668831.6/38

All: 4057.509+/-0.457 χ^2/NDF: 11195502.3/7



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/17

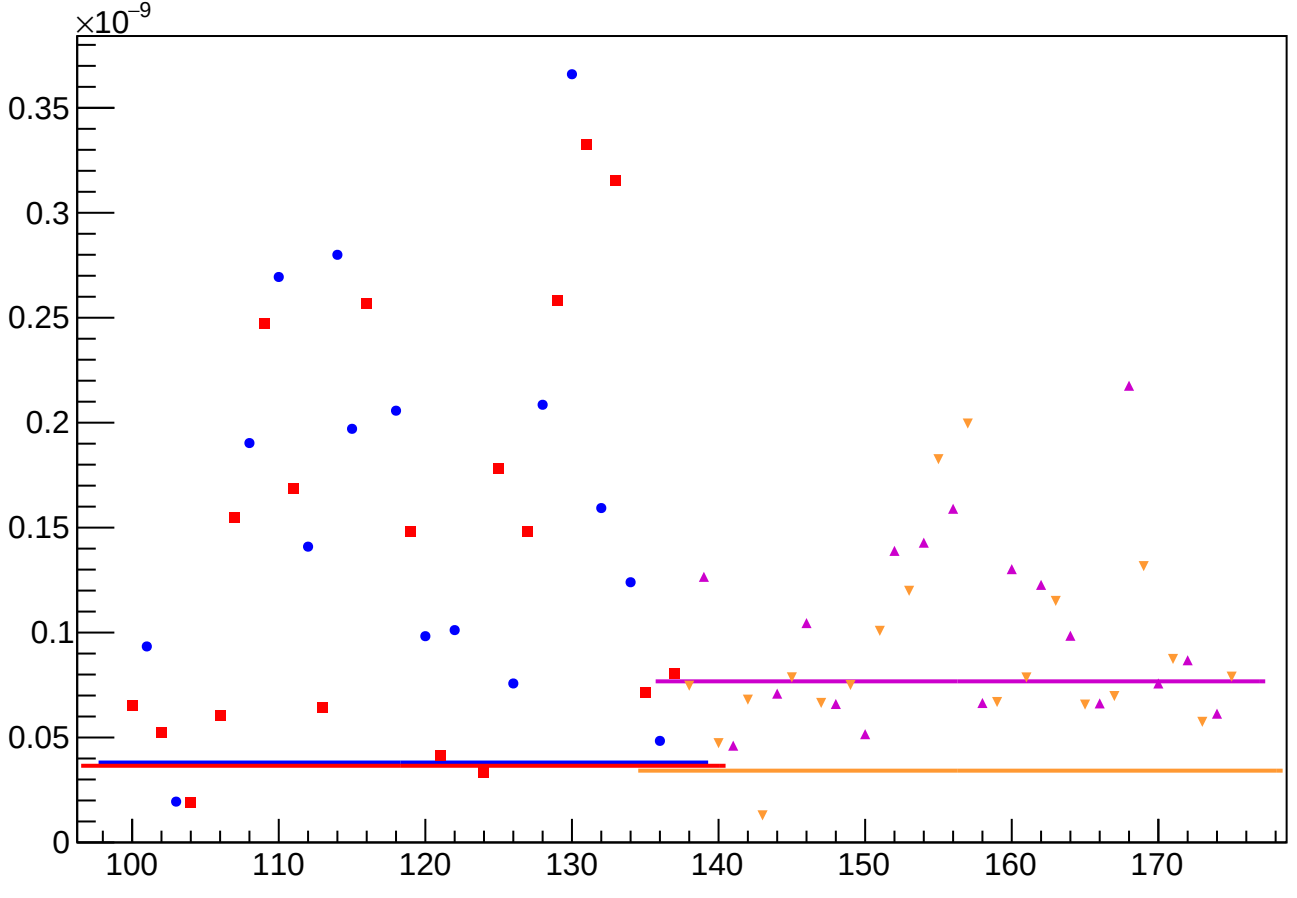
Left: 0.000+/-0.000 χ^2/NDF: 36.2/37

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:27.6/33

Out: 0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 63.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6074365.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1613139.7/17

Left: 0.000+/-0.000 χ^2/NDF: 10060605.6/37

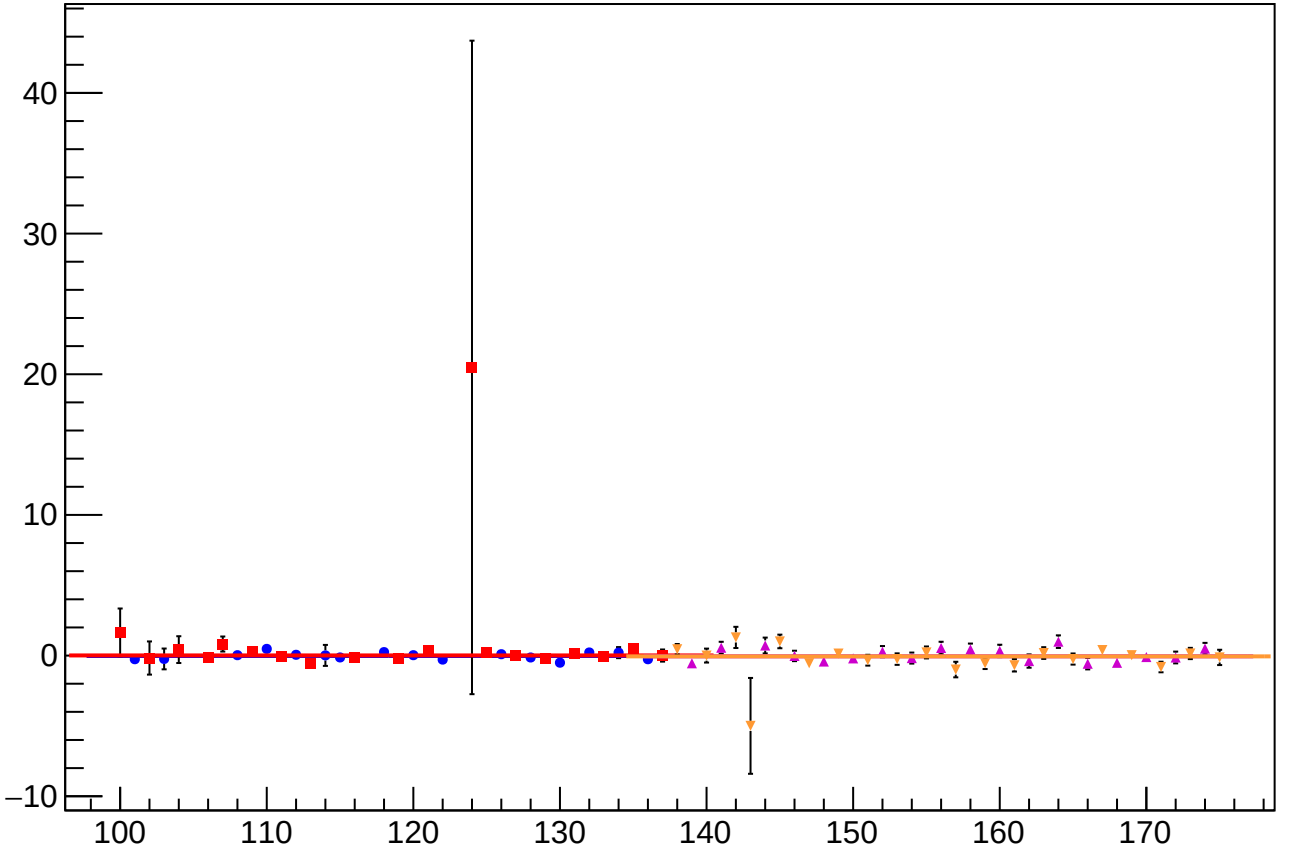
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5790745.8/33

Out: 0.000+/-0.000 χ^2/NDF:8765460.2/38

All: 0.000+/-0.000 χ^2/NDF: 15752163.0/72

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

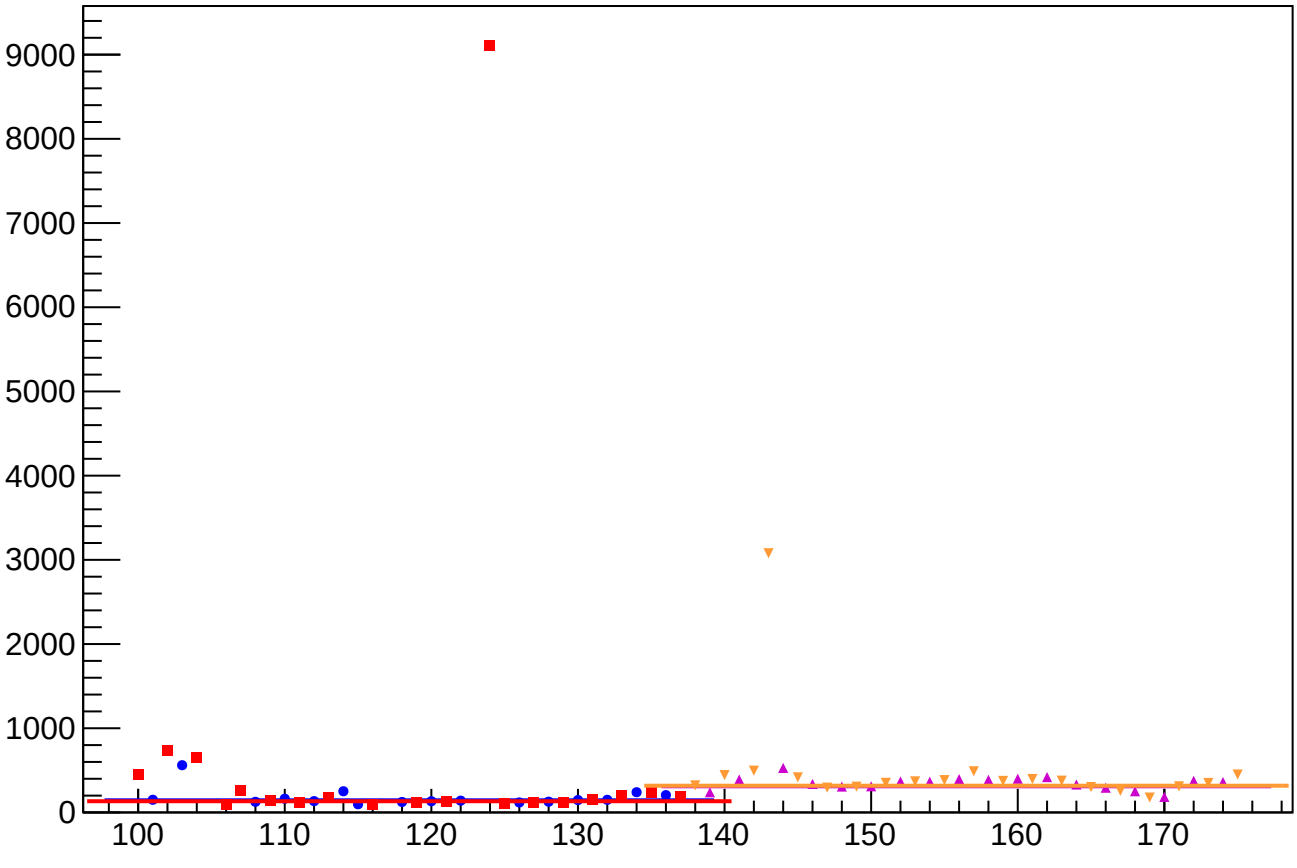
Left: -0.054+/-0.060 χ^2/NDF: 55.3/37

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.7/38

All: -0.023+/-0.034 χ^2/NDF: 94.9/72



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

Left: 314.018+/-0.043 χ^2/NDF: 5148319.9/37

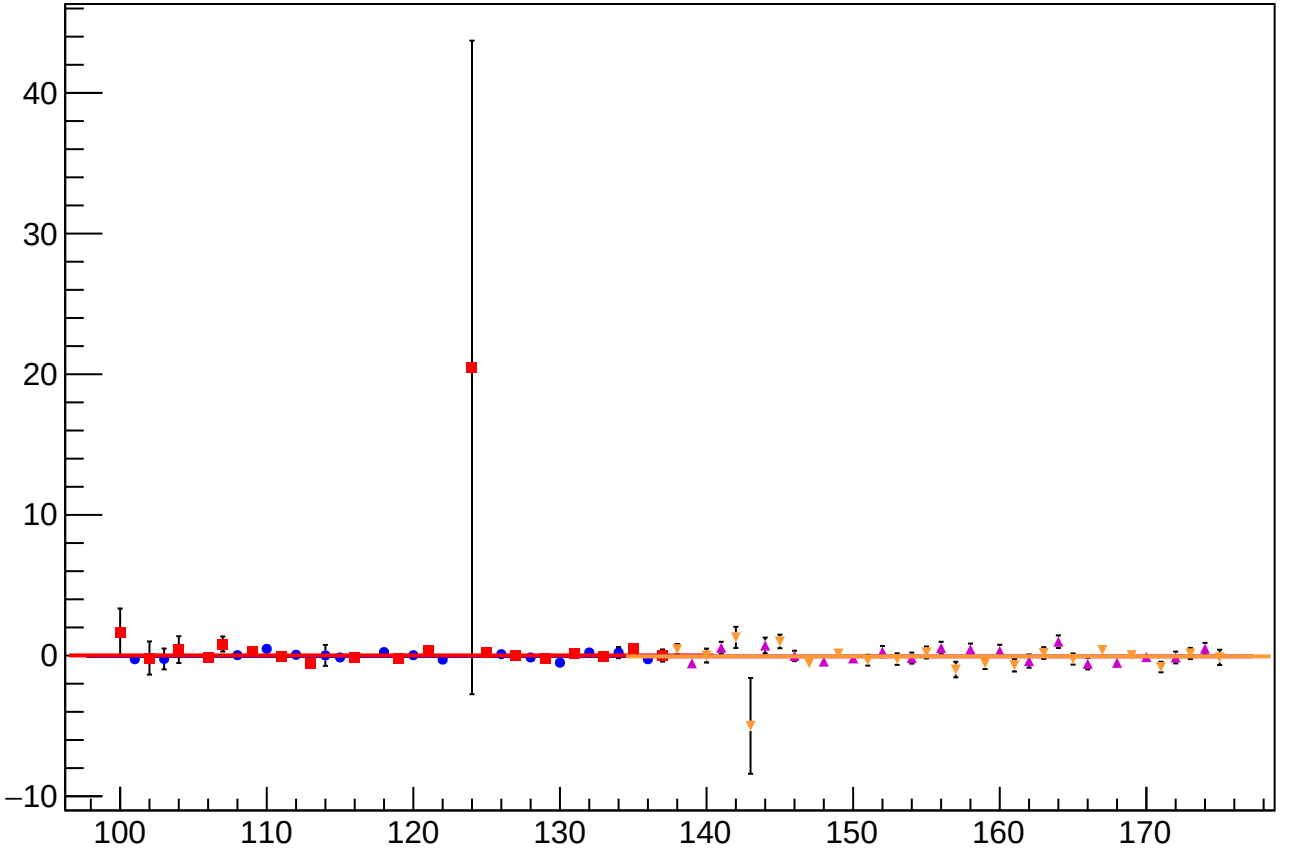
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 197.207+/-0.034 χ^2/NDF:8227614.5/33

Out: 188.562+/-0.033 χ^2/NDF:11911424.3/38

All: 192.843+/-0.024 χ^2/NDF: 20172143.8/72

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

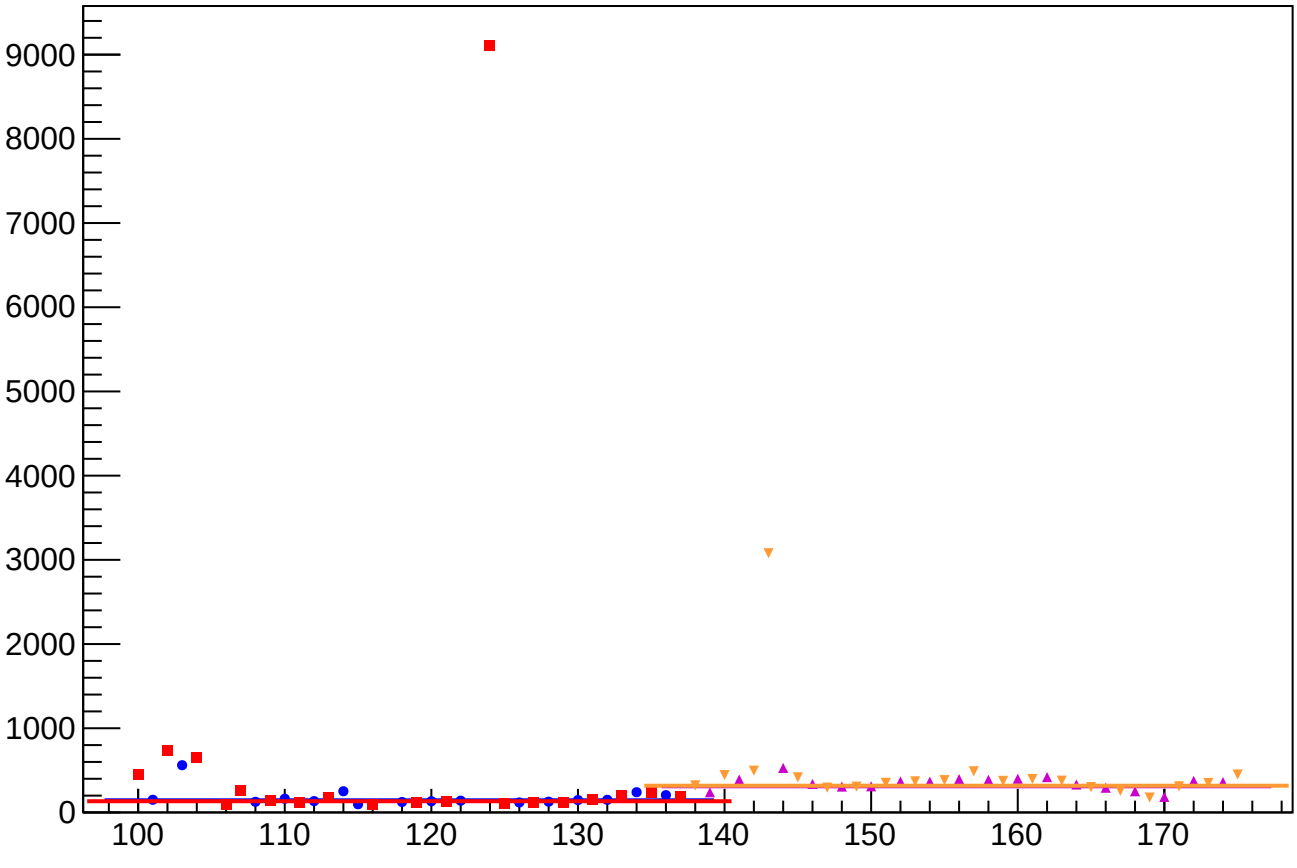
Left: -0.054+/-0.060 χ^2/NDF: 55.3/37

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.7/38

All: -0.023+/-0.034 χ^2/NDF: 94.9/72



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

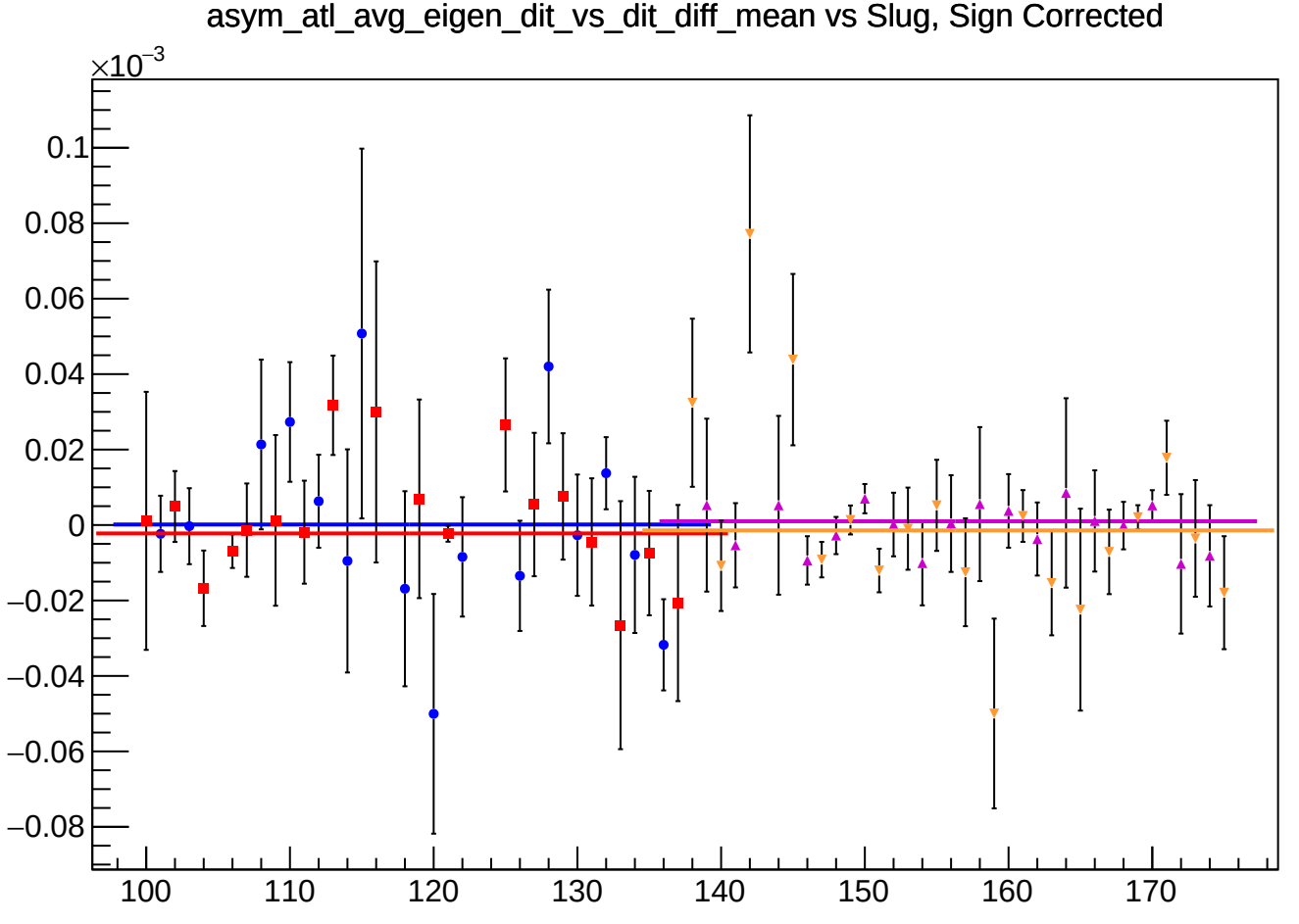
Left: 314.018+/-0.043 χ^2/NDF: 5148319.9/37

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 197.207+/-0.034 χ^2/NDF:8227614.5/33

Out: 188.562+/-0.033 χ^2/NDF:11911424.3/38

All: 192.843+/-0.024 χ^2/NDF: 20172143.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.4/17

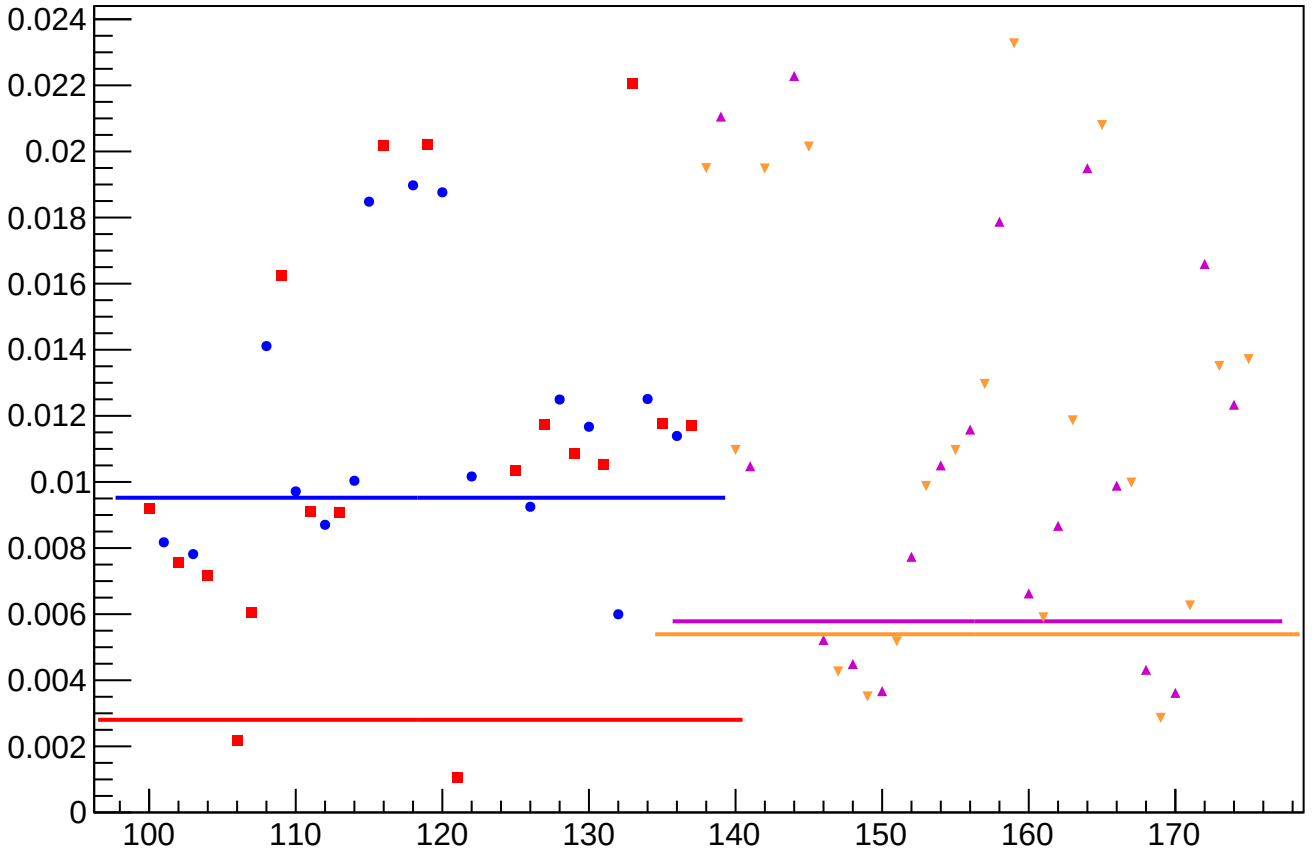
Left: -0.000+/-0.000 χ^2/NDF: 43.2/36

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:32.2/33

Out: -0.000+/-0.000 χ^2/NDF:48.6/36

All: -0.000+/-0.000 χ^2/NDF: 82.5/70



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:9307235.5/18

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:7353706.8/17

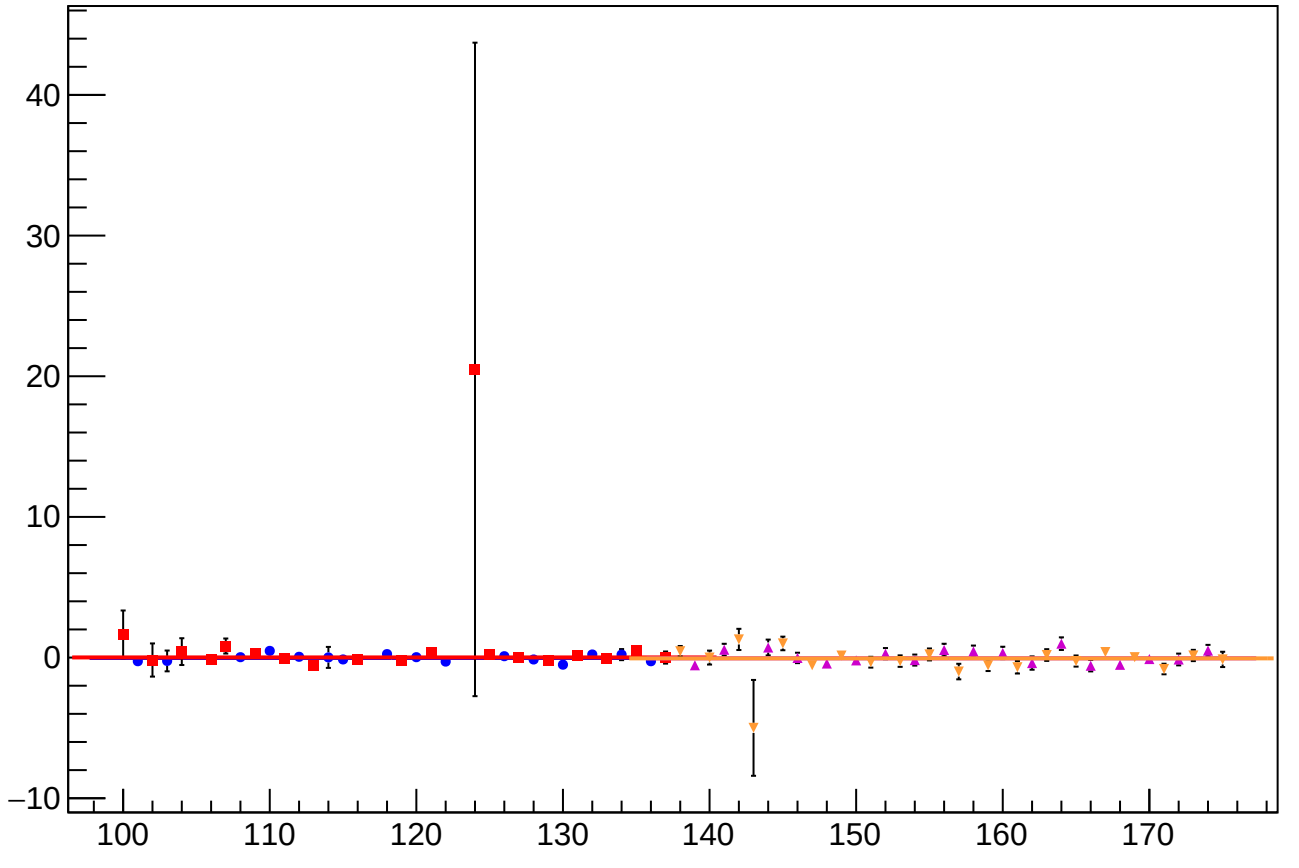
Left: 0.006+/-0.000 χ^2/NDF: 16709082.8/36

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:10095116.8/33

Out: 0.004+/-0.000 χ^2/NDF:20114099.7/36

All: 0.005+/-0.000 χ^2/NDF: 33004187.2/70



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

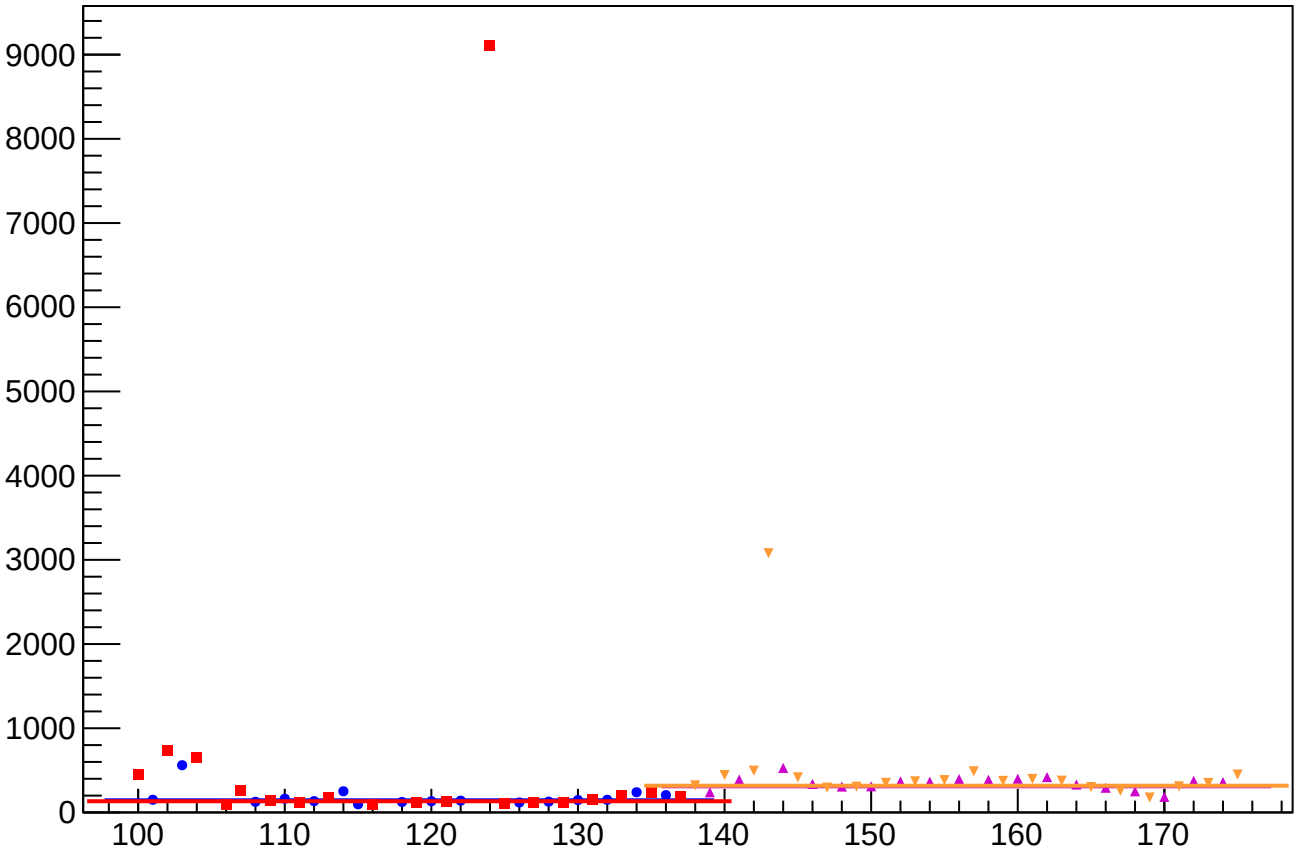
Left: -0.054+/-0.060 χ^2/NDF: 55.3/37

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.8/38

All: -0.023+/-0.034 χ^2/NDF: 94.9/72



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 317.673+/-0.061 χ^2/NDF:3303117.0/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

Left: 314.021+/-0.043 χ^2/NDF: 5148361.9/37

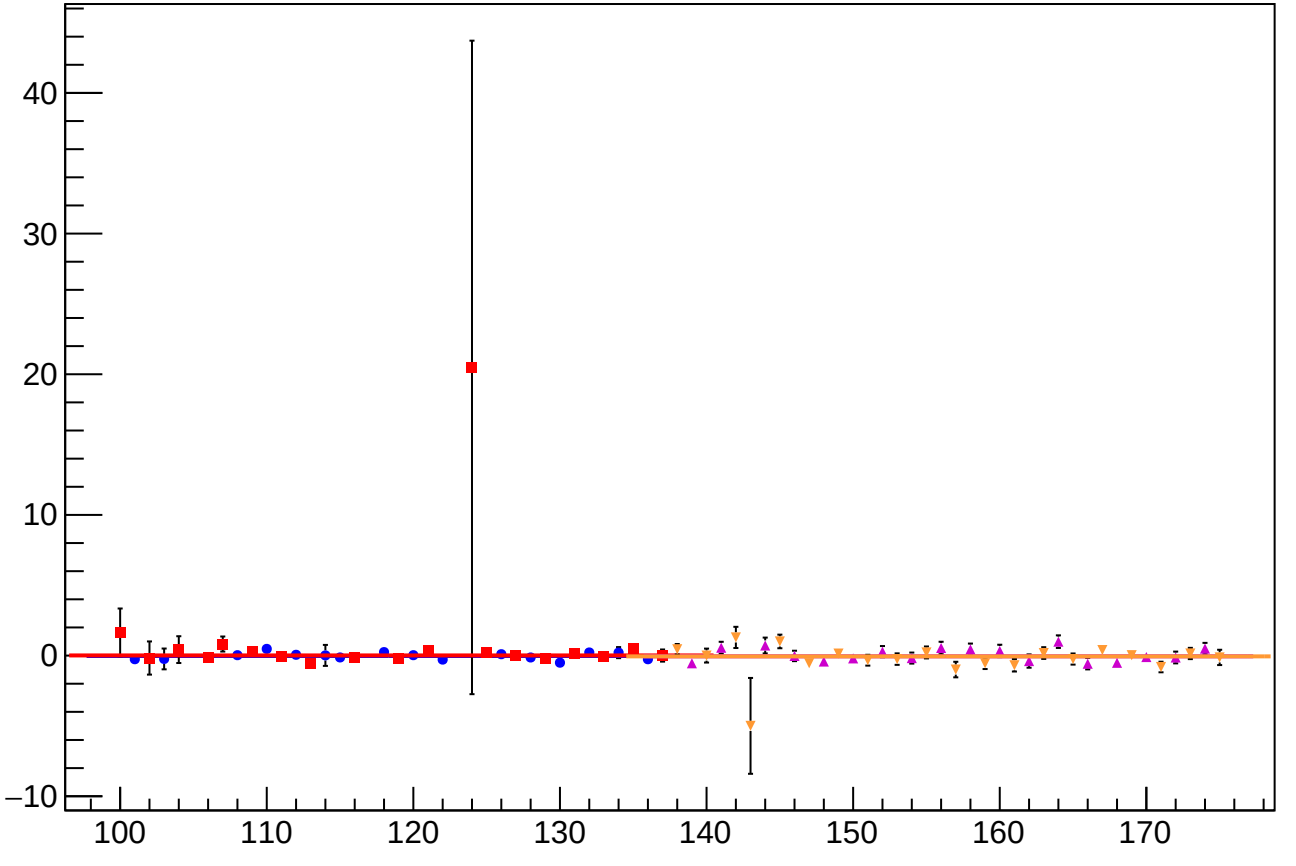
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 197.205+/-0.034 χ^2/NDF:8227864.8/33

Out: 188.561+/-0.033 χ^2/NDF:11911576.9/38

All: 192.841+/-0.024 χ^2/NDF: 20172542.8/72

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

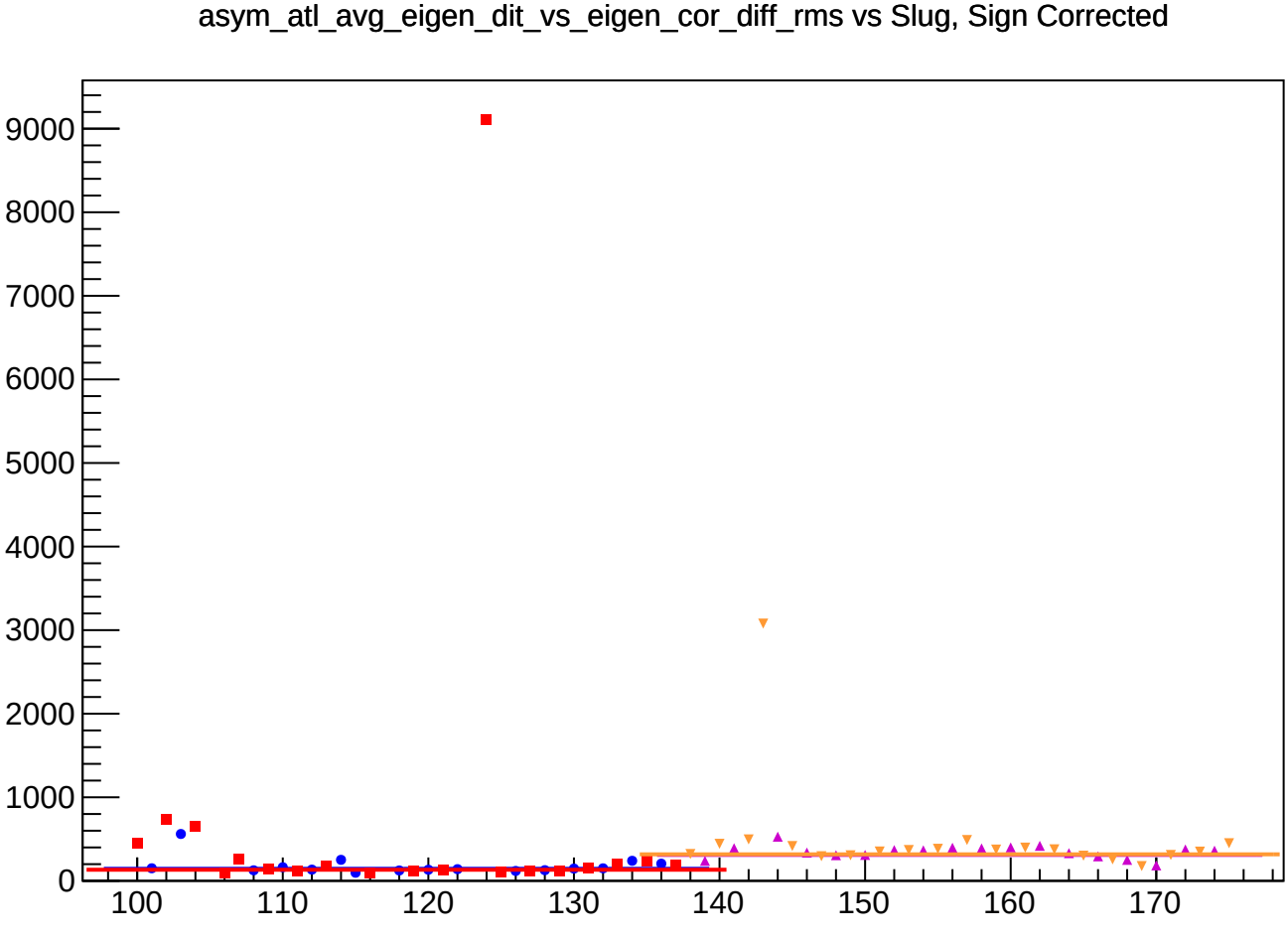
Left: -0.054+/-0.060 χ^2/NDF: 55.3/37

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.8/38

All: -0.023+/-0.034 χ^2/NDF: 94.9/72



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 317.673+/-0.061 χ^2/NDF:3303117.0/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

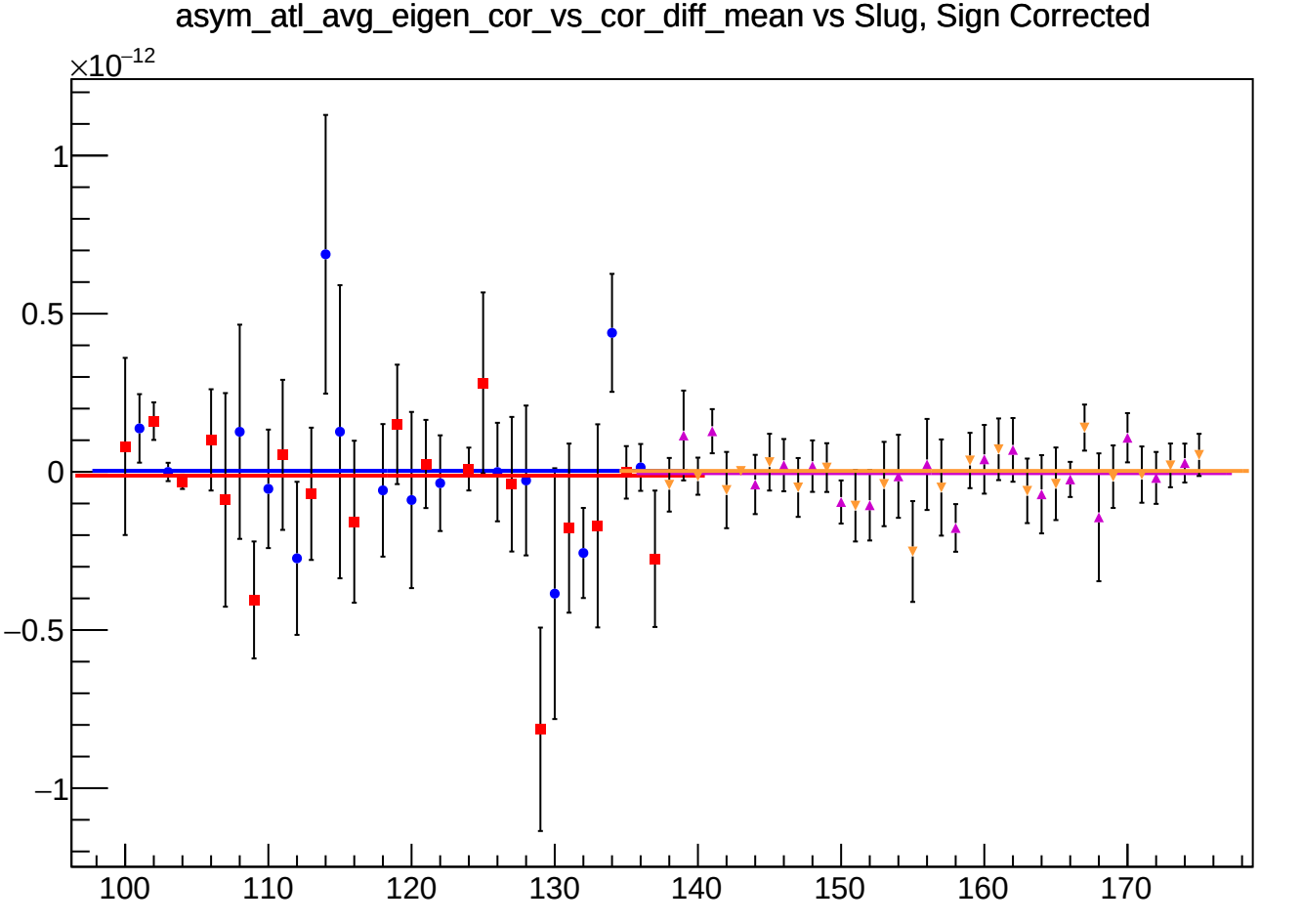
Left: 314.021+/-0.043 χ^2/NDF: 5148361.9/37

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 197.205+/-0.034 χ^2/NDF:8227864.8/33

Out: 188.561+/-0.033 χ^2/NDF:11911576.9/38

All: 192.841+/-0.024 χ^2/NDF: 20172542.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/17

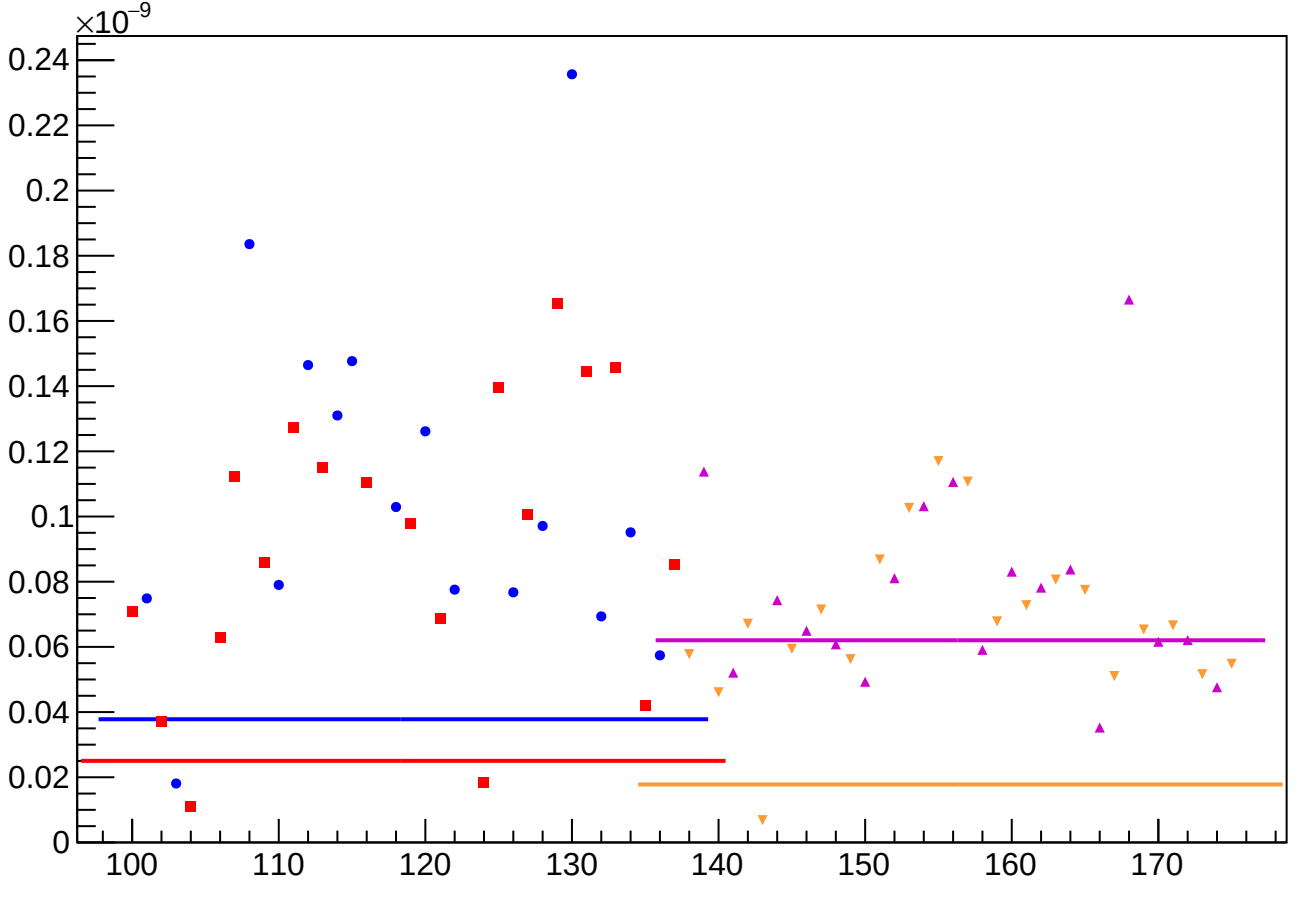
Left: 0.000+/-0.000 χ^2/NDF: 26.7/37

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:32.2/33

Out: 0.000+/-0.000 χ^2/NDF:35.7/38

All: -0.000+/-0.000 χ^2/NDF: 68.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13463477.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2197109.8/17

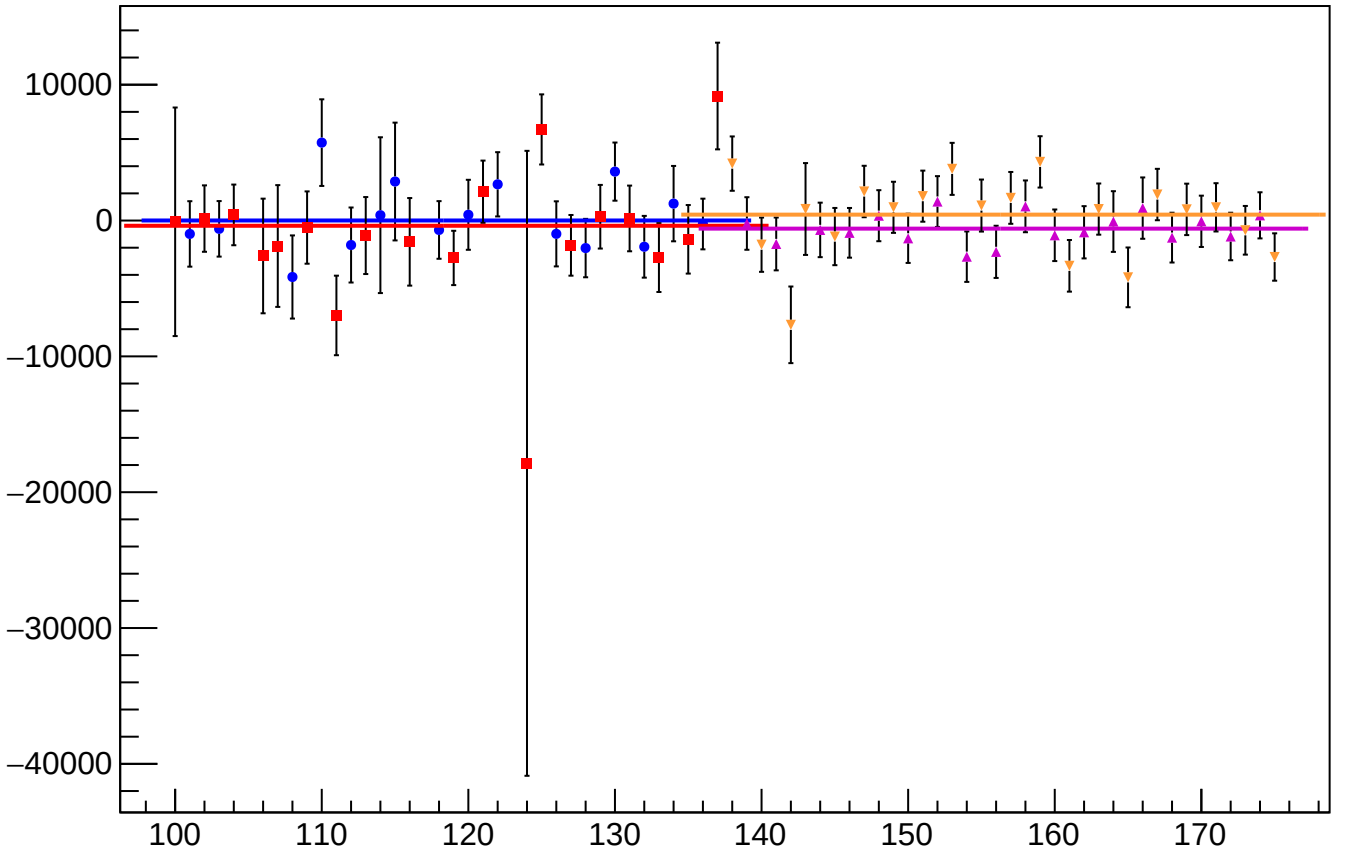
Left: 0.000+/-0.000 χ^2/NDF: 23571920.2/37

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7330674.2/33

Out: 0.000+/-0.000 χ^2/NDF:18412123.8/38

All: 0.000+/-0.000 χ^2/NDF: 32732441.6/72



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.501+/-440.084 χ^2/NDF:35.6/19

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -596.176+/-447.922 χ^2/NDF:6.0/17

Left: -71.741+/-313.921 χ^2/NDF: 44.3/37

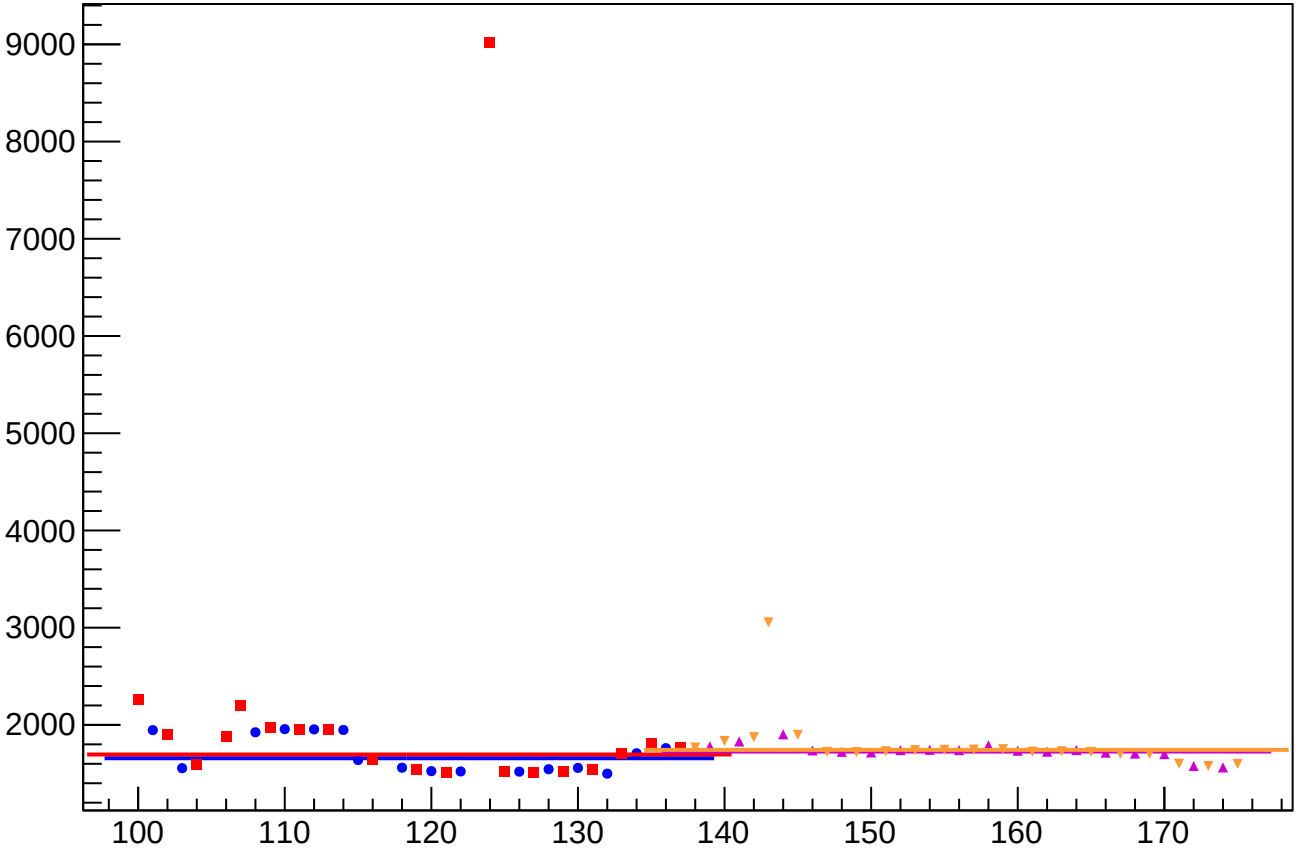
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -390.180+/-363.062 χ^2/NDF:19.0/33

Out: 167.932+/-361.464 χ^2/NDF:60.8/38

All: -109.893+/-256.157 χ^2/NDF: 81.0/72

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

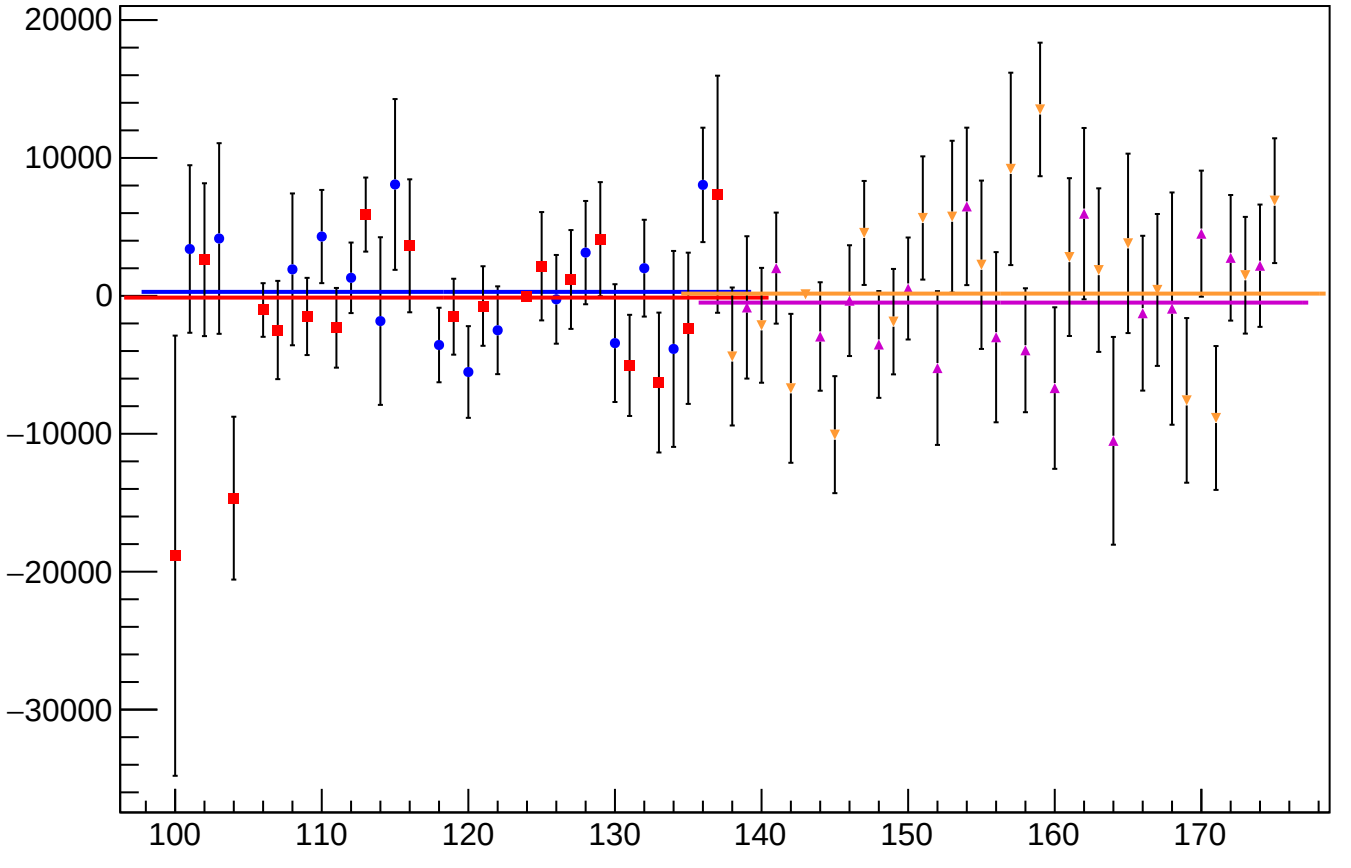
Left: 1734.860+/-0.222 χ^2/NDF: 427924.2/37

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1702.513+/-0.257 χ^2/NDF:219736.4/33

Out: 1727.635+/-0.255 χ^2/NDF:760892.7/38

All: 1715.149+/-0.181 χ^2/NDF: 985445.3/72



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 163.795+/-346.548 χ^2/NDF:29.8/19

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -489.370+/-1139.714 χ^2/NDF:10.5/17

Left: 108.517+/-331.560 χ^2/NDF: 40.6/37

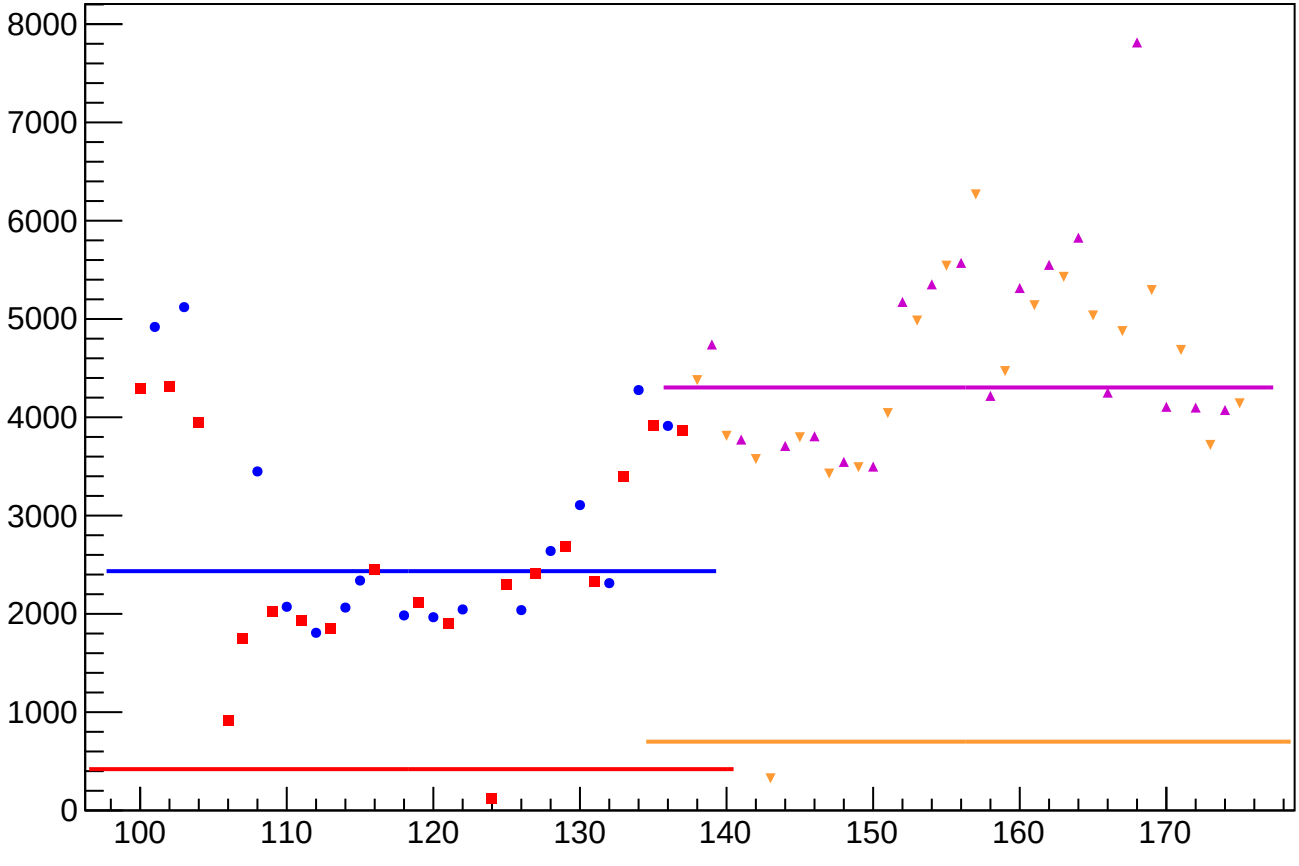
Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -34.318+/-734.717 χ^2/NDF:26.0/33

Out: 9.258+/-236.561 χ^2/NDF:51.0/38

All: 5.165+/-225.177 χ^2/NDF: 77.0/72

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 699.992+/-0.245 χ^2/NDF:23162262.0/19

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4303.408+/-0.806 χ^2/NDF:1080996.9/17

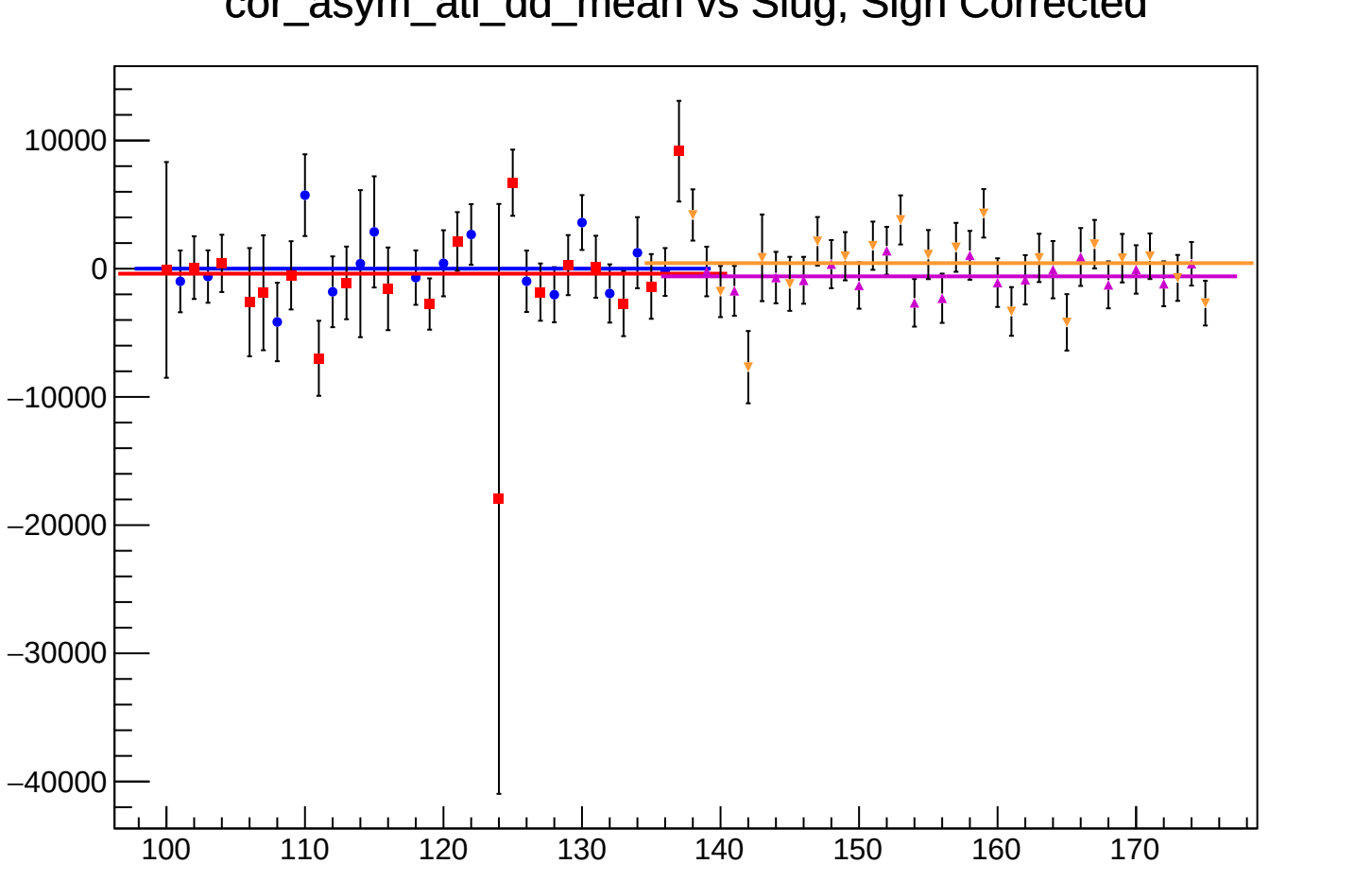
Left: 1004.954+/-0.234 χ^2/NDF: 42543777.6/37

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3211.225+/-0.520 χ^2/NDF:5681400.7/33

Out: 550.625+/-0.167 χ^2/NDF:34921979.8/38

All: 800.537+/-0.159 χ^2/NDF: 64366872.2/72



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -596.158+/-447.922 χ^2/NDF:6.0/17

Left: -71.753+/-313.921 χ^2/NDF: 44.3/37

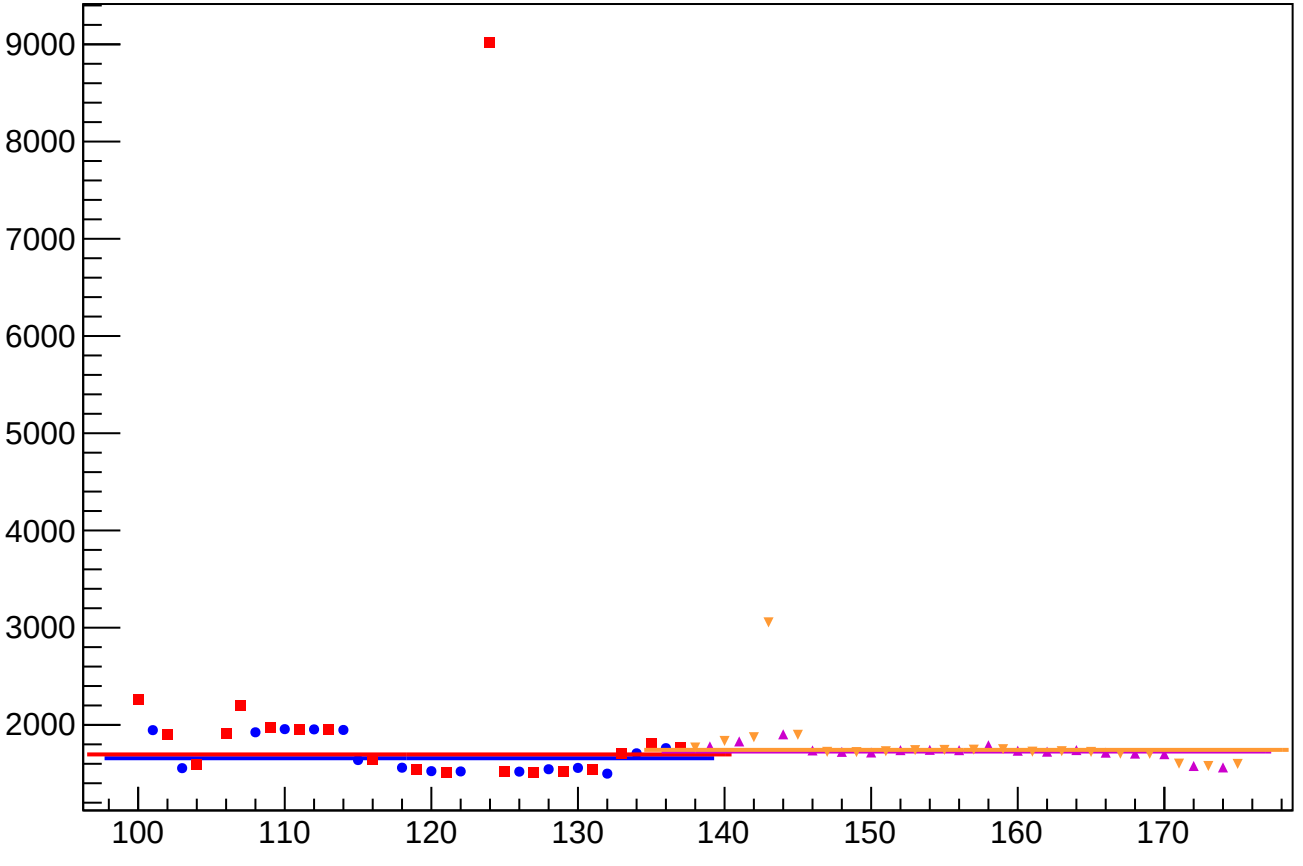
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -390.195+/-363.062 χ^2/NDF:19.0/33

Out: 166.510+/-361.466 χ^2/NDF:60.8/38

All: -110.616+/-256.157 χ^2/NDF: 81.0/72

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

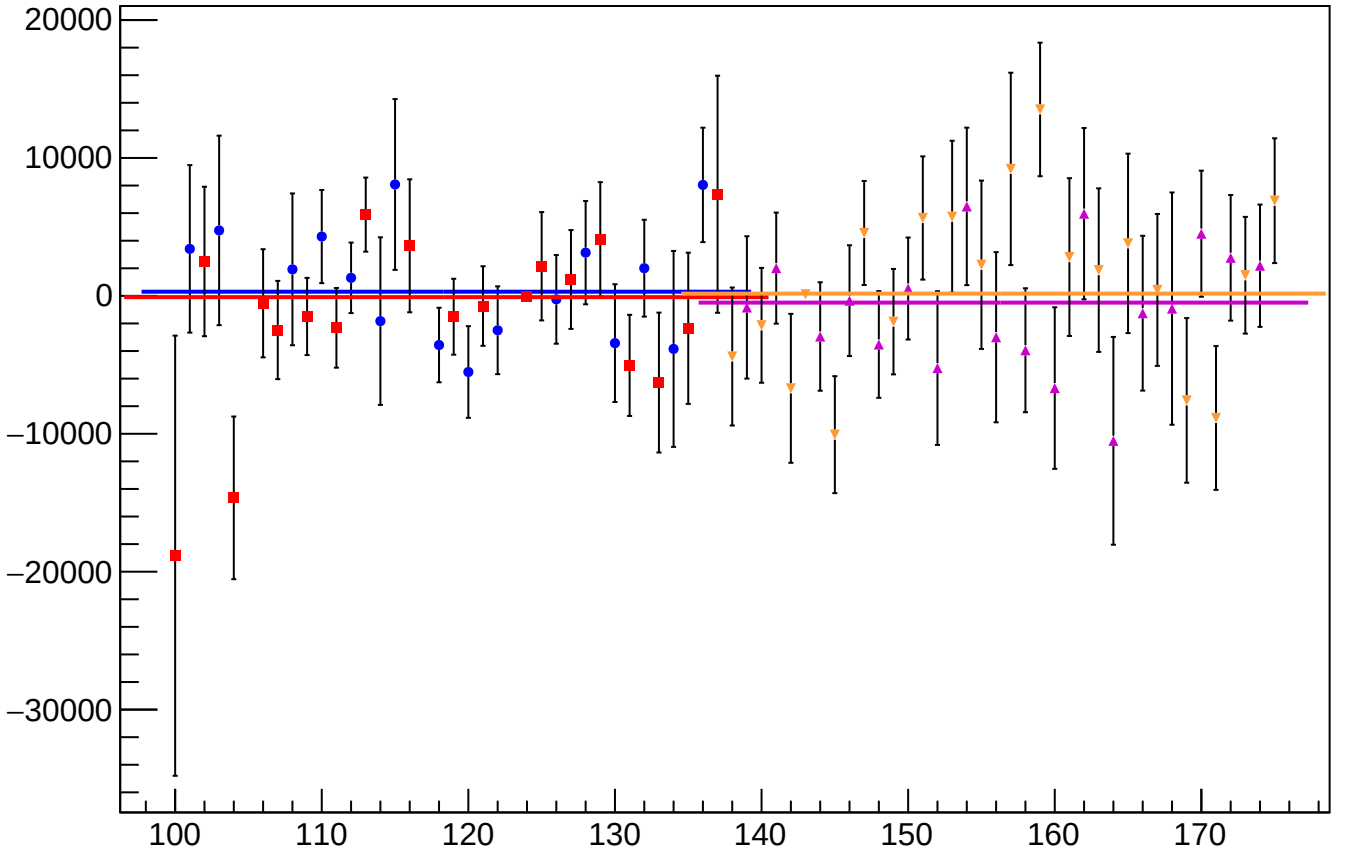
Left: 1734.860+/-0.222 χ^2/NDF: 427924.2/37

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1702.513+/-0.257 χ^2/NDF:219736.5/33

Out: 1727.905+/-0.255 χ^2/NDF:762393.1/38

All: 1715.282+/-0.181 χ^2/NDF: 987049.0/72



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -489.375+/-1139.713 χ^2/NDF:10.5/17

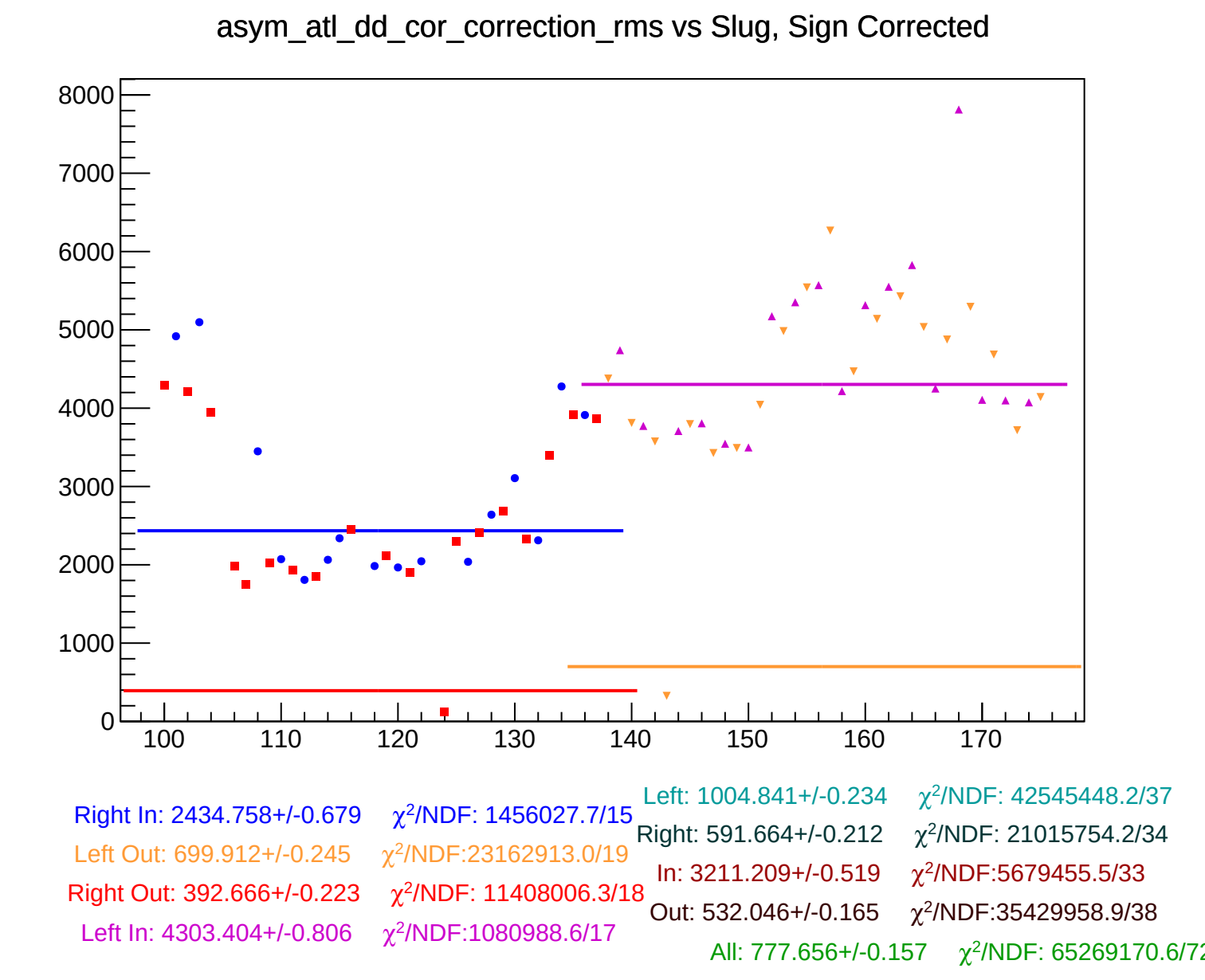
Left: 108.909+/-331.538 χ^2/NDF: 40.6/37

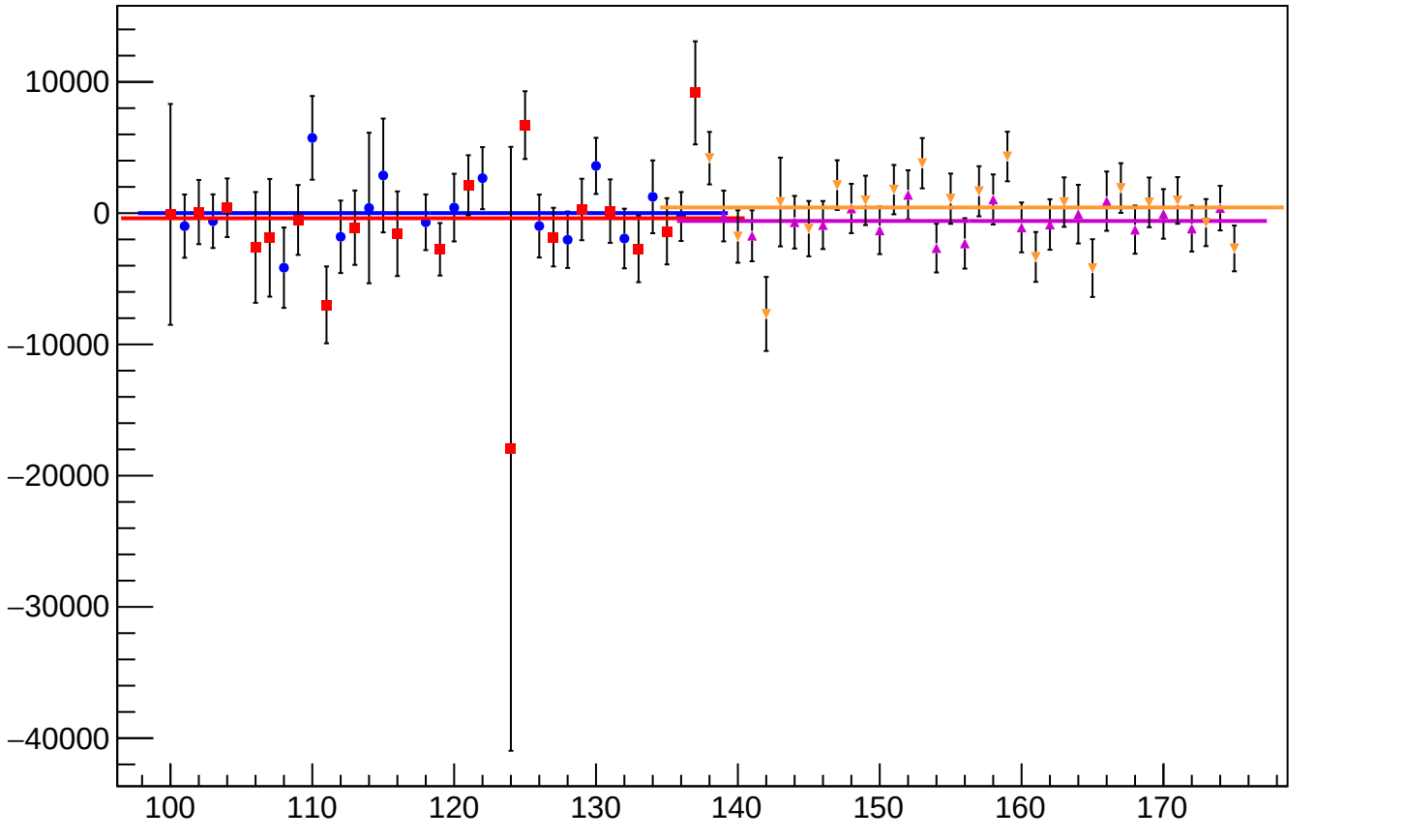
Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -26.922+/-734.664 χ^2/NDF:26.1/33

Out: 24.099+/-233.395 χ^2/NDF:50.7/38

All: 19.422+/-222.439 χ^2/NDF: 76.8/72


asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 2434.758+/-0.679 χ²/NDF: 1456027.7/15
Left Out: 699.912+/-0.245 χ²/NDF:23162913.0/19
Right Out: 392.666+/-0.223 χ²/NDF: 11408006.3/18
Left In: 4303.404+/-0.806 χ²/NDF:1080988.6/17
Left: 1004.841+/-0.234 χ²/NDF: 42545448.2/37
Right: 591.664+/-0.212 χ²/NDF: 21015754.2/34
In: 3211.209+/-0.519 χ²/NDF:5679455.5/33
Out: 532.046+/-0.165 χ²/NDF:35429958.9/38
All: 777.656+/-0.157 χ²/NDF: 65269170.6/72



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -596.158+/-447.922 χ^2/NDF:6.0/17

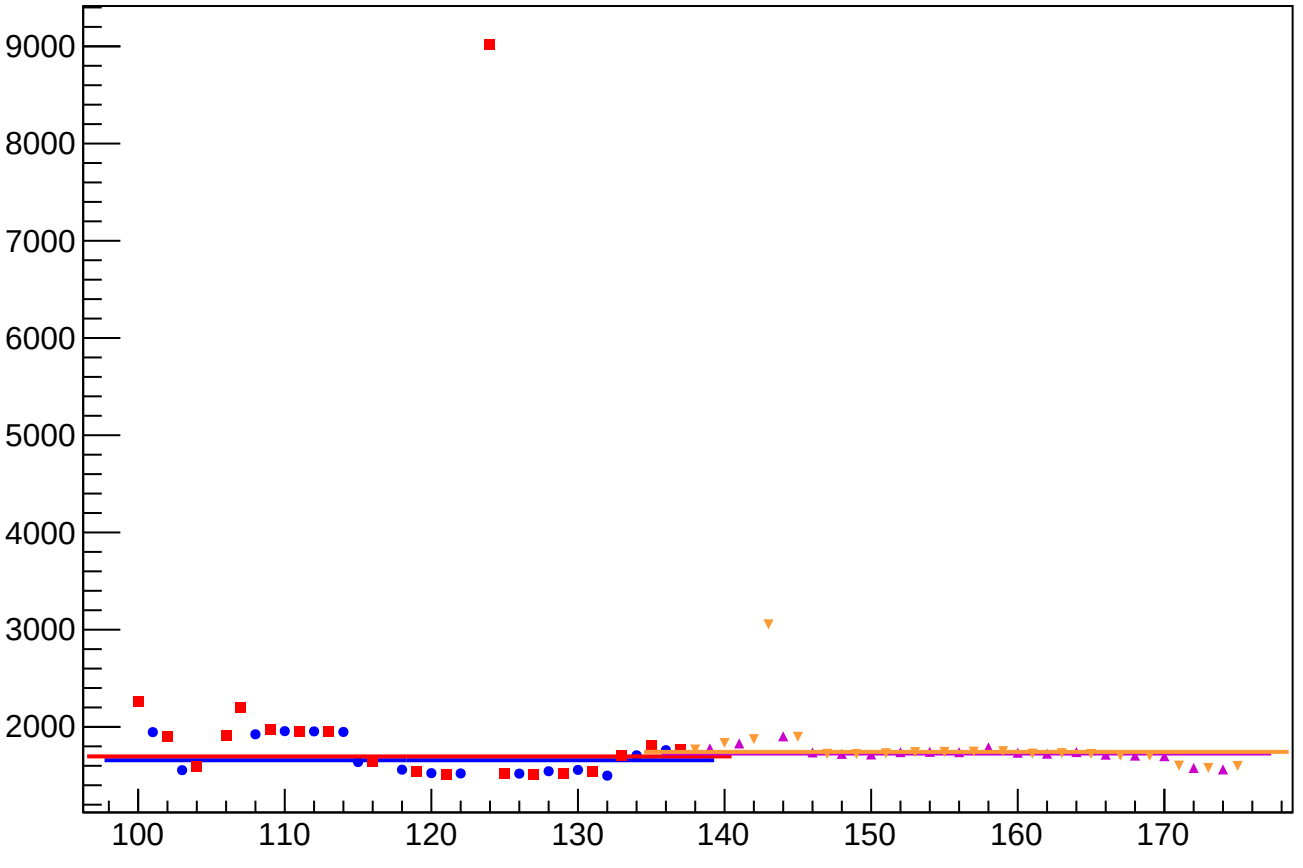
Left: -71.753+/-313.921 χ^2/NDF: 44.3/37

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -390.195+/-363.062 χ^2/NDF:19.0/33

Out: 166.510+/-361.466 χ^2/NDF:60.8/38

All: -110.616+/-256.157 χ^2/NDF: 81.0/72



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

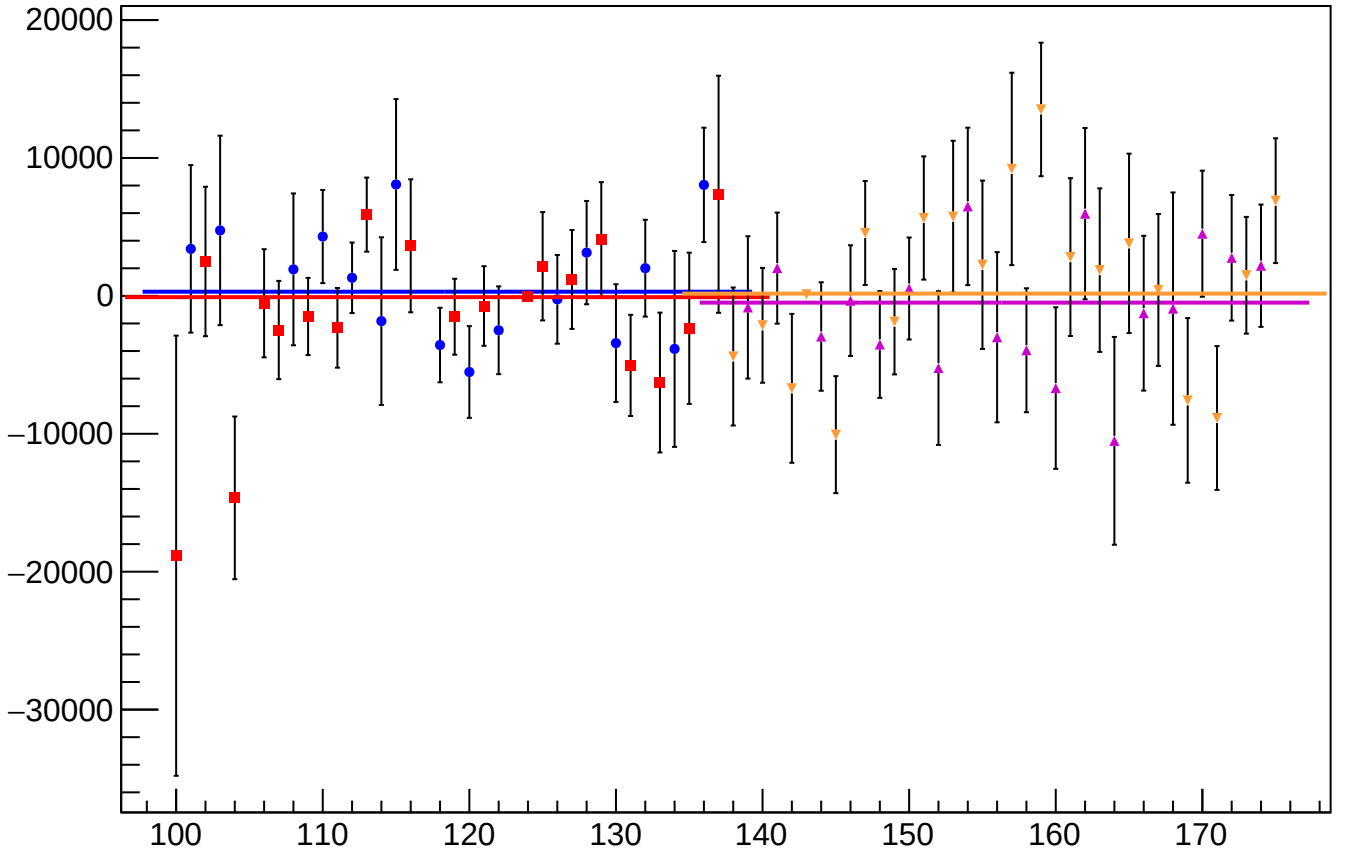
Left: 1734.860+/-0.222 χ^2/NDF: 427924.2/37

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1702.513+/-0.257 χ^2/NDF:219736.5/33

Out: 1727.905+/-0.255 χ^2/NDF:762393.1/38

All: 1715.282+/-0.181 χ^2/NDF: 987049.0/72



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -489.375+/-1139.713 χ^2/NDF:10.5/17

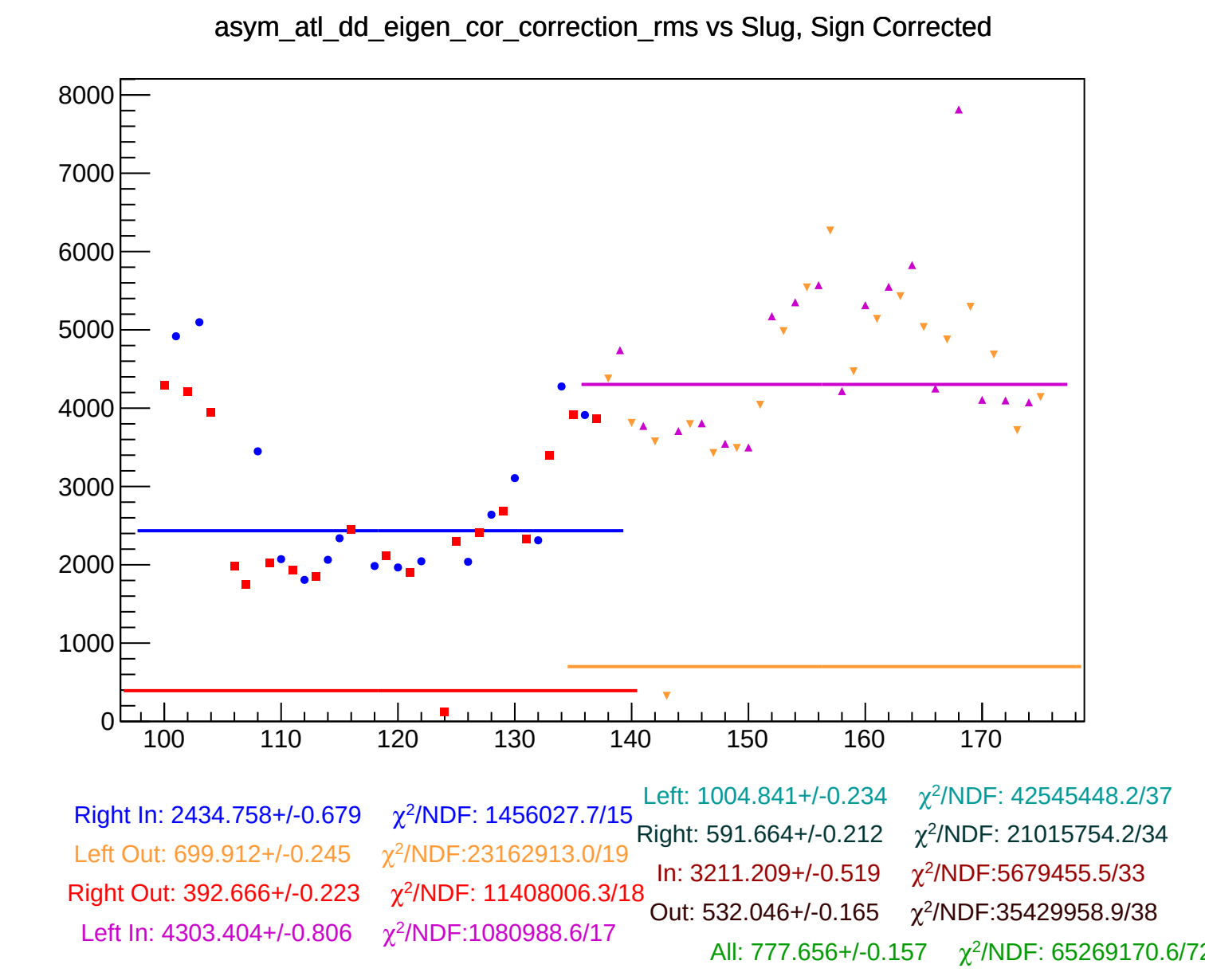
Left: 108.909+/-331.538 χ^2/NDF: 40.6/37

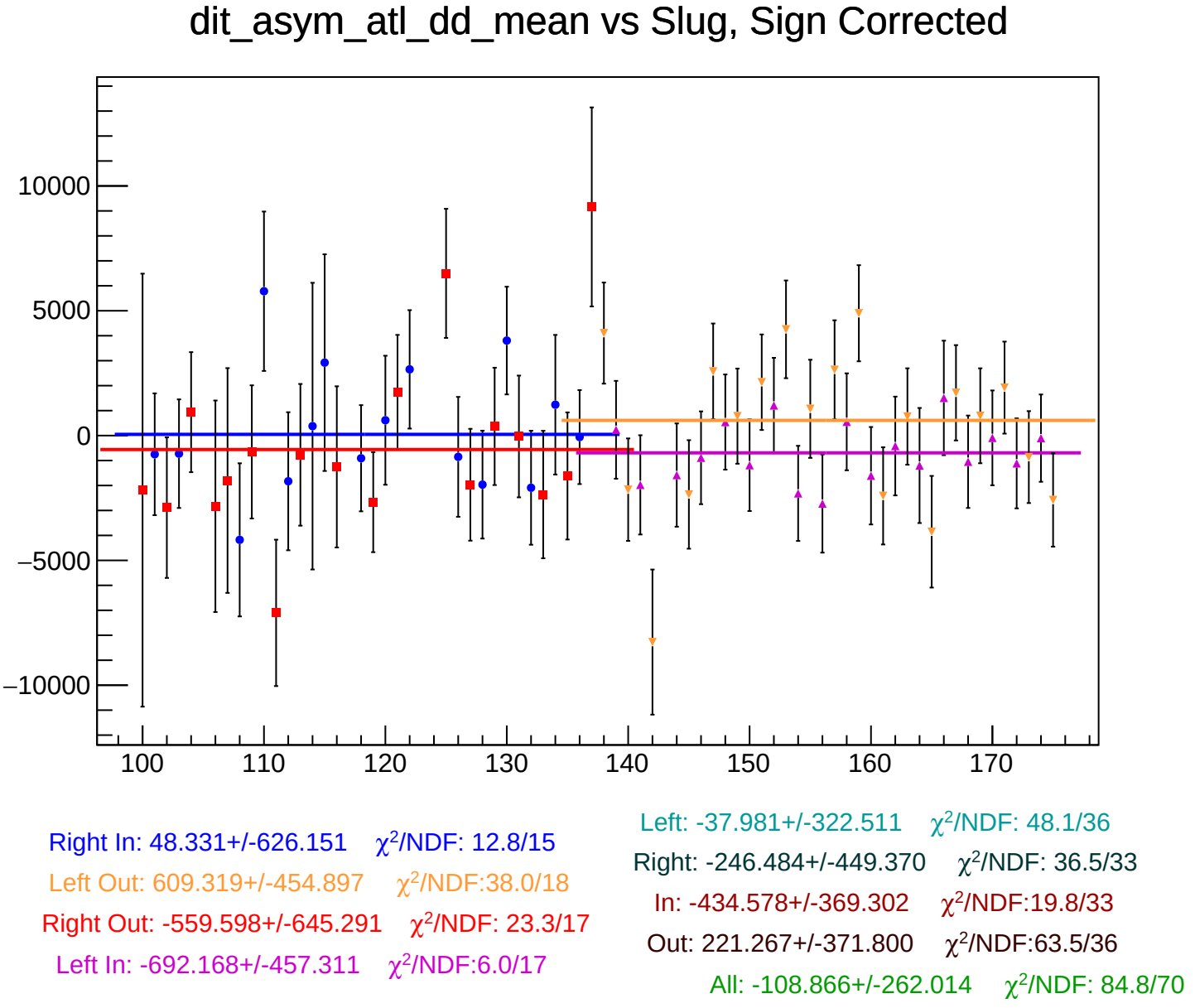
Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -26.922+/-734.664 χ^2/NDF:26.1/33

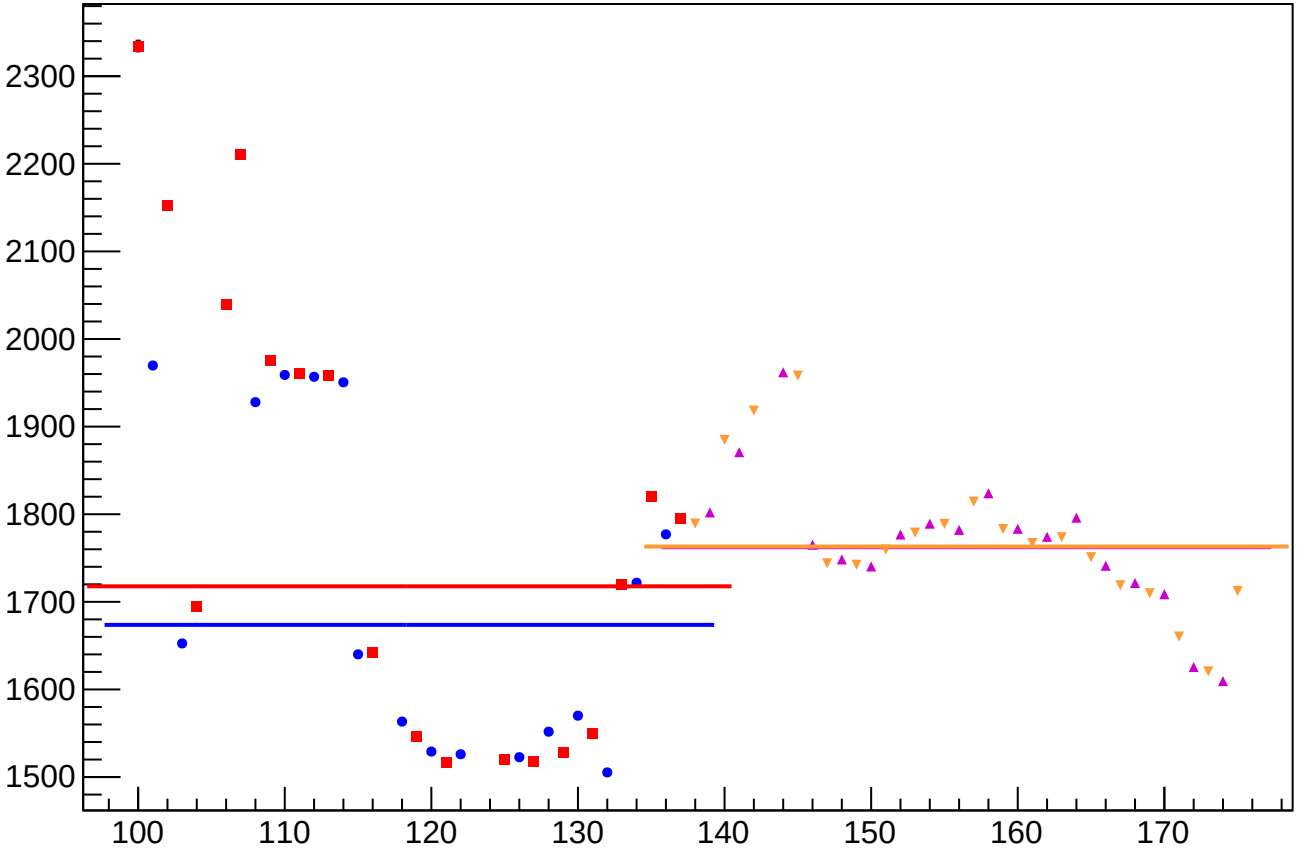
Out: 24.099+/-233.395 χ^2/NDF:50.7/38

All: 19.422+/-222.439 χ^2/NDF: 76.8/72


asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 2434.758+/-0.679 χ²/NDF: 1456027.7/15
Left Out: 699.912+/-0.245 χ²/NDF:23162913.0/19
Right Out: 392.666+/-0.223 χ²/NDF: 11408006.3/18
Left In: 4303.404+/-0.806 χ²/NDF:1080988.6/17
Left: 1004.841+/-0.234 χ²/NDF: 42545448.2/37
Right: 591.664+/-0.212 χ²/NDF: 21015754.2/34
In: 3211.209+/-0.519 χ²/NDF:5679455.5/33
Out: 532.046+/-0.165 χ²/NDF:35429958.9/38
All: 777.656+/-0.157 χ²/NDF: 65269170.6/72


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 609.319+/-454.897 χ²/NDF:38.0/18
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -692.168+/-457.311 χ²/NDF:6.0/17
Left: -37.981+/-322.511 χ²/NDF: 48.1/36
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -434.578+/-369.302 χ²/NDF:19.8/33
Out: 221.267+/-371.800 χ²/NDF:63.5/36
All: -108.866+/-262.014 χ²/NDF: 84.8/70

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54085.4/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1762.336+/-0.323 χ^2/NDF:58793.6/17

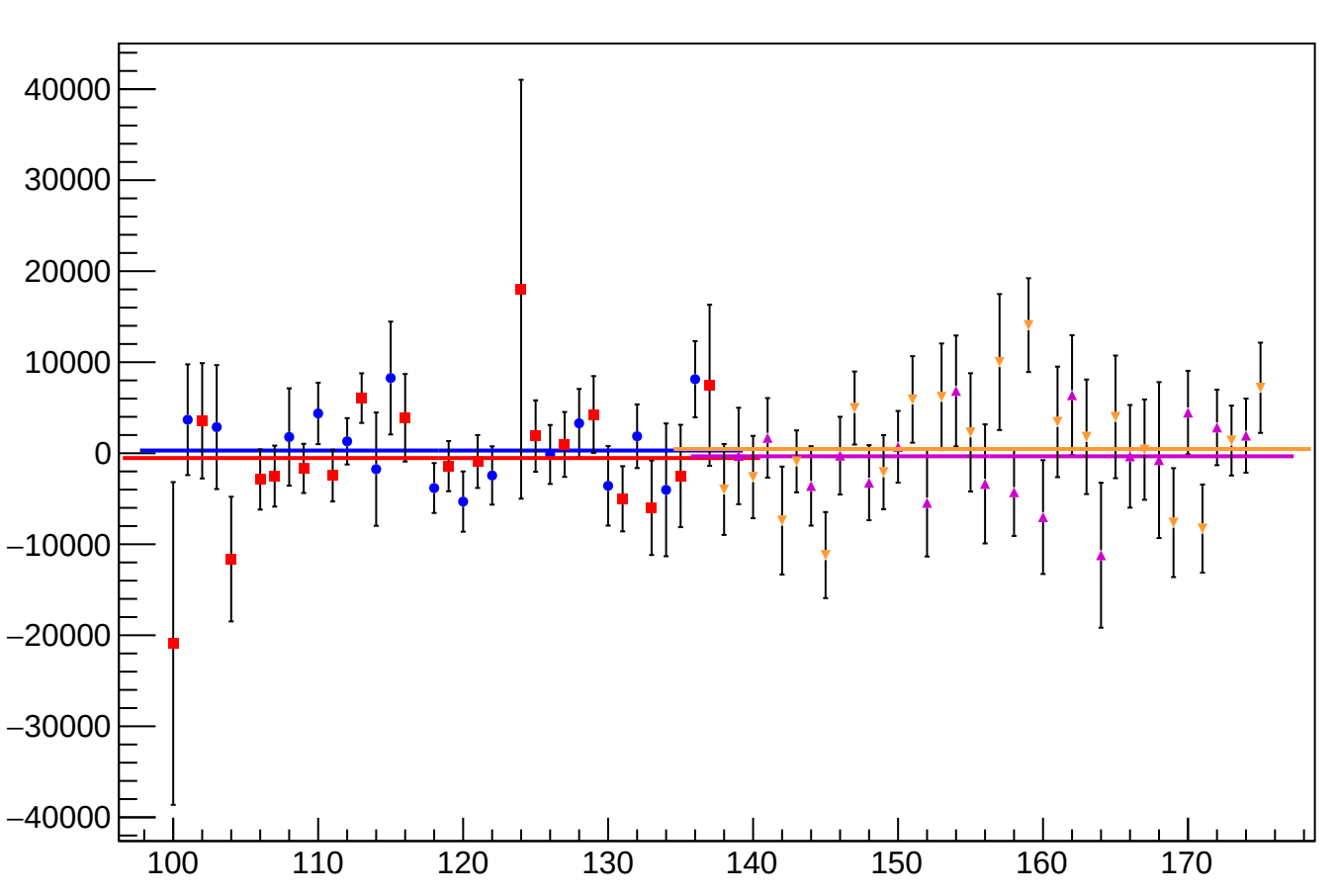
Left: 1762.734+/-0.228 χ^2/NDF: 112882.0/36

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1731.513+/-0.261 χ^2/NDF:225785.3/33

Out: 1748.005+/-0.263 χ^2/NDF:288365.7/36

All: 1739.710+/-0.185 χ^2/NDF: 516133.5/70



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 462.629+/-1110.883 χ^2/NDF:29.4/19

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -336.588+/-1181.199 χ^2/NDF:10.4/17

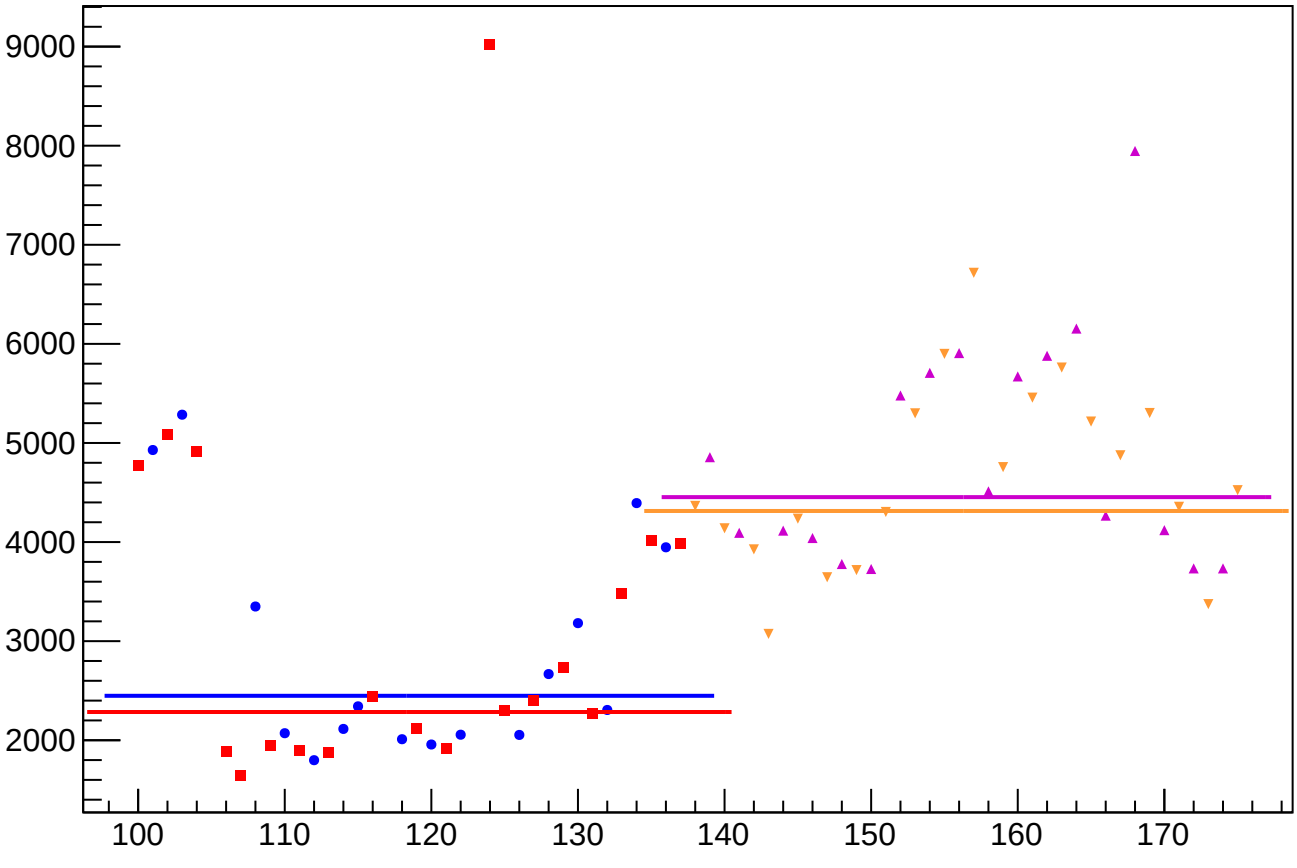
Left: 87.515+/-809.230 χ^2/NDF: 40.1/37

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 43.201+/-747.164 χ^2/NDF:25.8/33

Out: -145.771+/-691.700 χ^2/NDF:48.7/38

All: -58.558+/-507.582 χ^2/NDF: 74.6/72



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4313.696+/-0.786 χ^2/NDF:1186218.4/19

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4453.530+/-0.835 χ^2/NDF:1150734.4/17

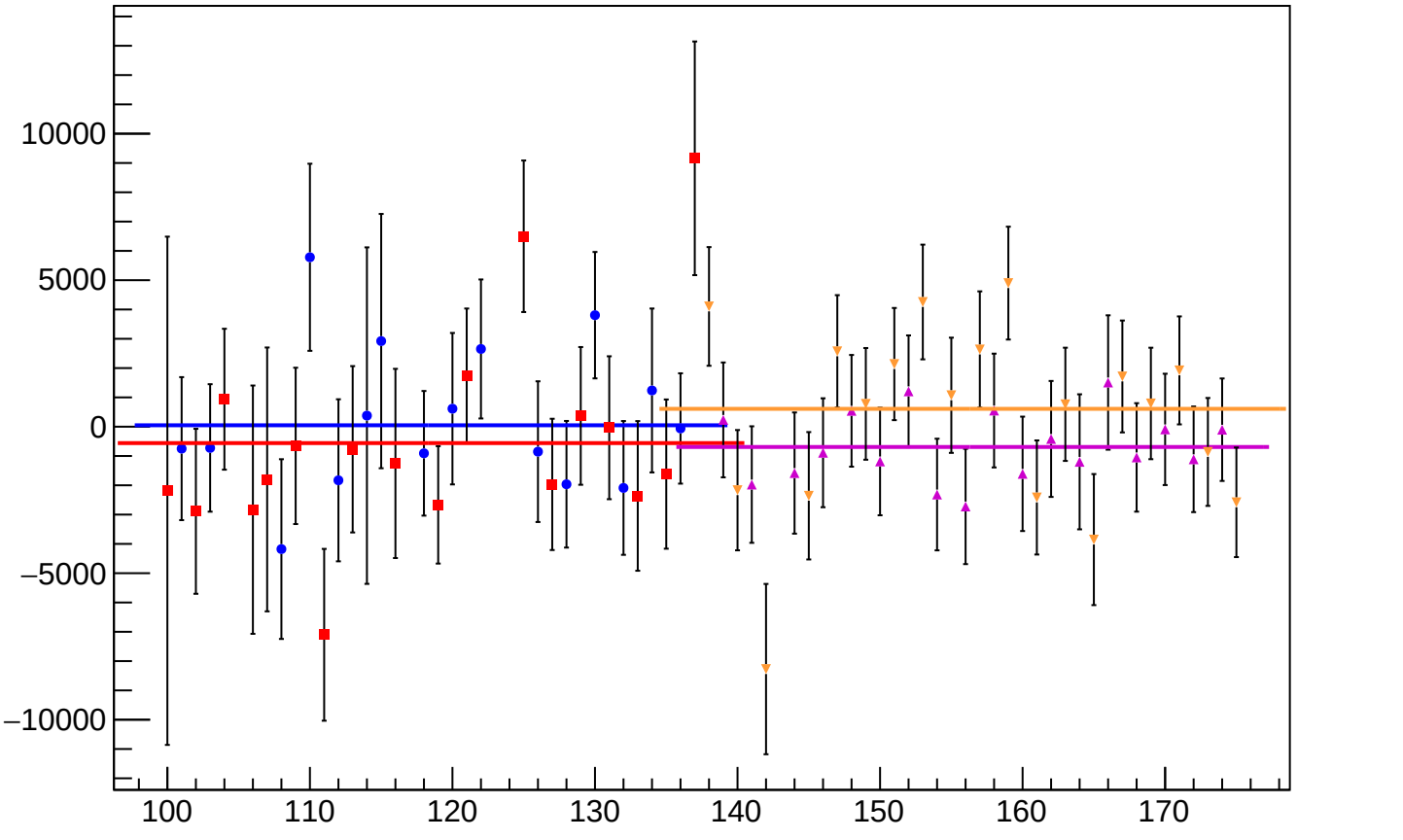
Left: 4379.327+/-0.572 χ^2/NDF: 2351826.6/37

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3250.803+/-0.528 χ^2/NDF:6124933.3/33

Out: 3071.577+/-0.489 χ^2/NDF:6818768.6/38

All: 3154.292+/-0.359 χ^2/NDF: 13005671.1/7



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 609.320+/-454.897 χ^2/NDF:38.0/18

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -692.168+/-457.311 χ^2/NDF:6.0/17

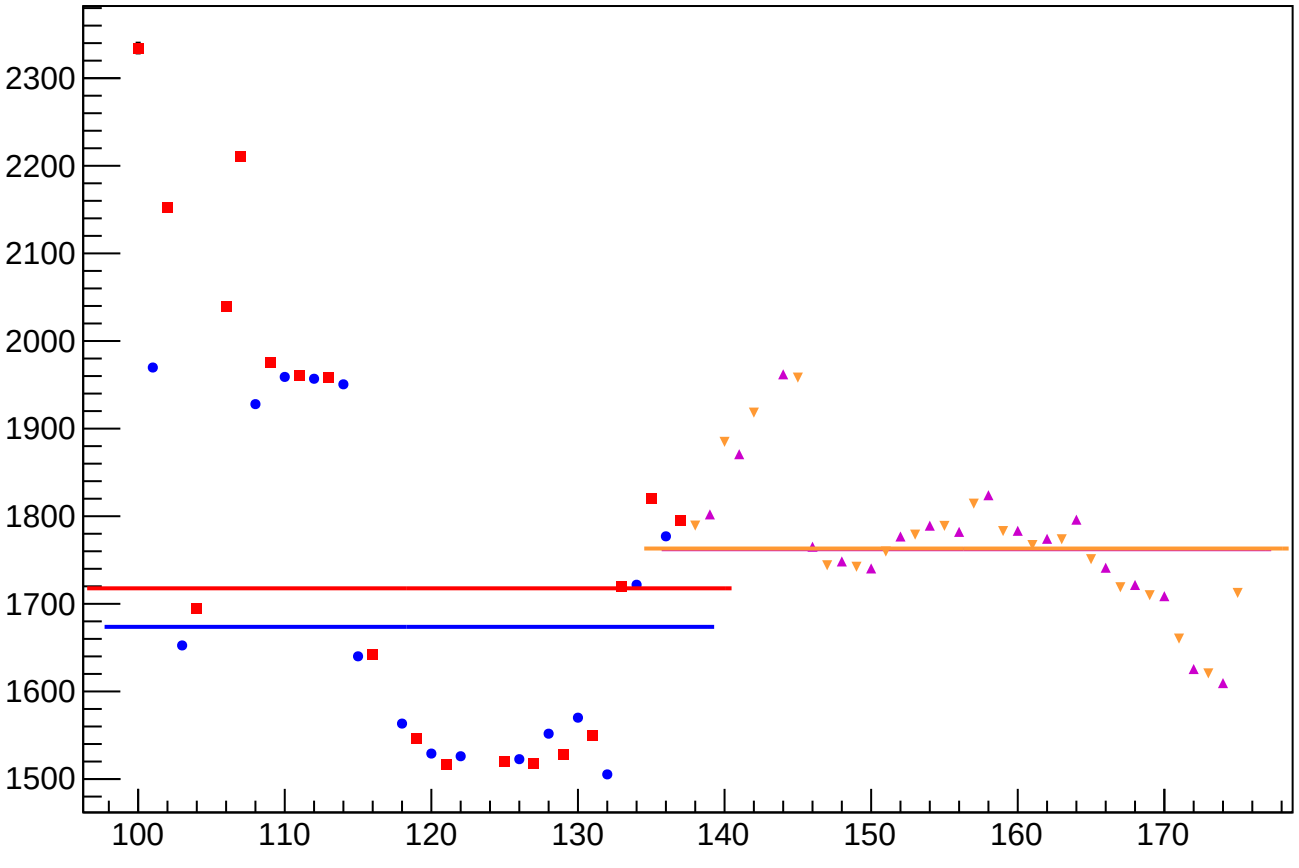
Left: -37.980+/-322.511 χ^2/NDF: 48.1/36

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -434.578+/-369.302 χ^2/NDF:19.8/33

Out: 221.267+/-371.800 χ^2/NDF:63.5/36

All: -108.866+/-262.015 χ^2/NDF: 84.8/70



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54087.2/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1762.336+/-0.323 χ^2/NDF:58795.4/17

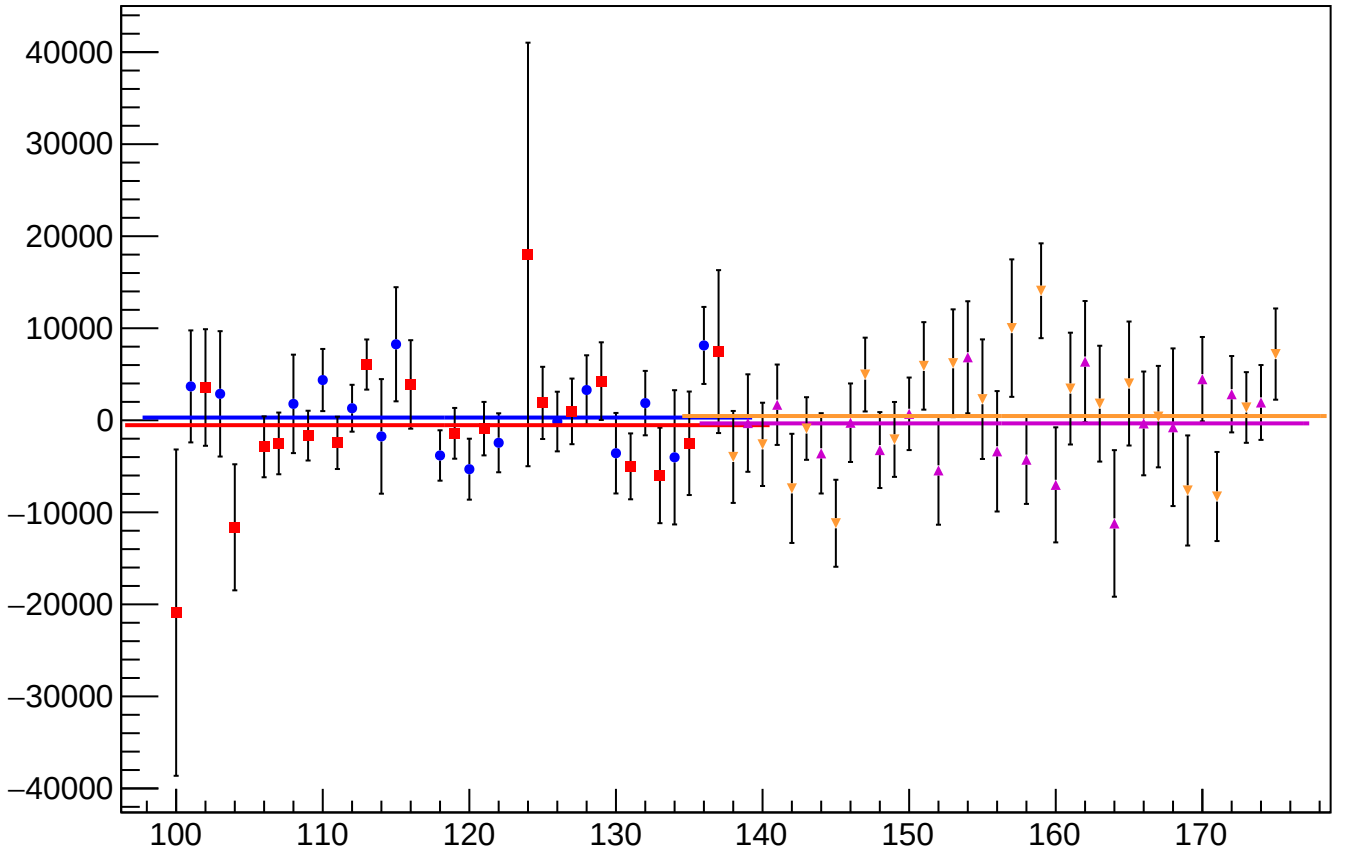
Left: 1762.735+/-0.228 χ^2/NDF: 112885.7/36

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1731.513+/-0.261 χ^2/NDF:225787.4/33

Out: 1748.005+/-0.263 χ^2/NDF:288367.0/36

All: 1739.710+/-0.185 χ^2/NDF: 516136.9/70



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 462.633+/-1110.885 χ^2/NDF:29.4/19

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -336.589+/-1181.201 χ^2/NDF:10.4/17

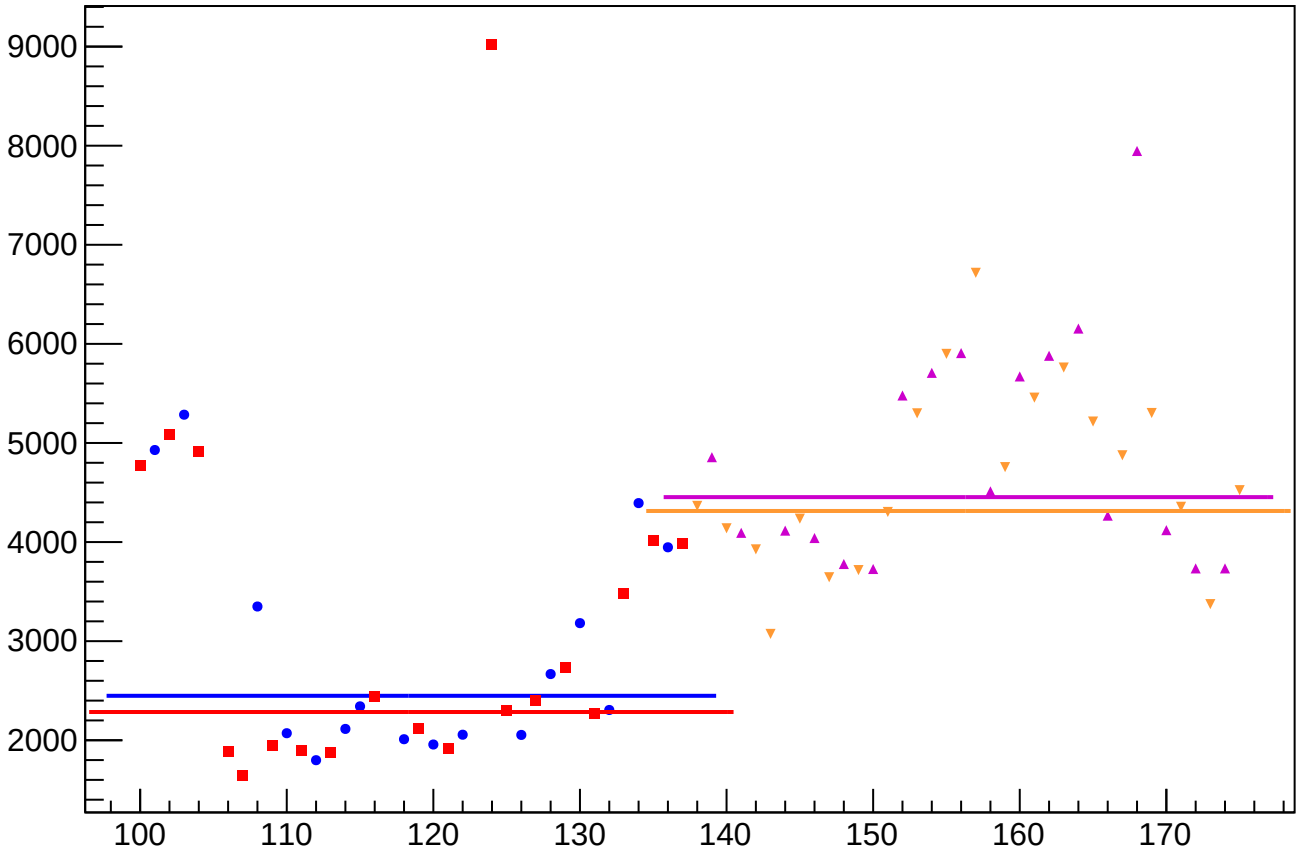
Left: 87.517+/-809.231 χ^2/NDF: 40.1/37

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 43.199+/-747.162 χ^2/NDF:25.8/33

Out: -145.773+/-691.699 χ^2/NDF:48.7/38

All: -58.560+/-507.582 χ^2/NDF: 74.6/72



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4313.702+/-0.786 χ^2/NDF:1186219.9/19

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4453.537+/-0.835 χ^2/NDF:1150734.4/17

Left: 4379.334+/-0.572 χ^2/NDF: 2351828.1/37

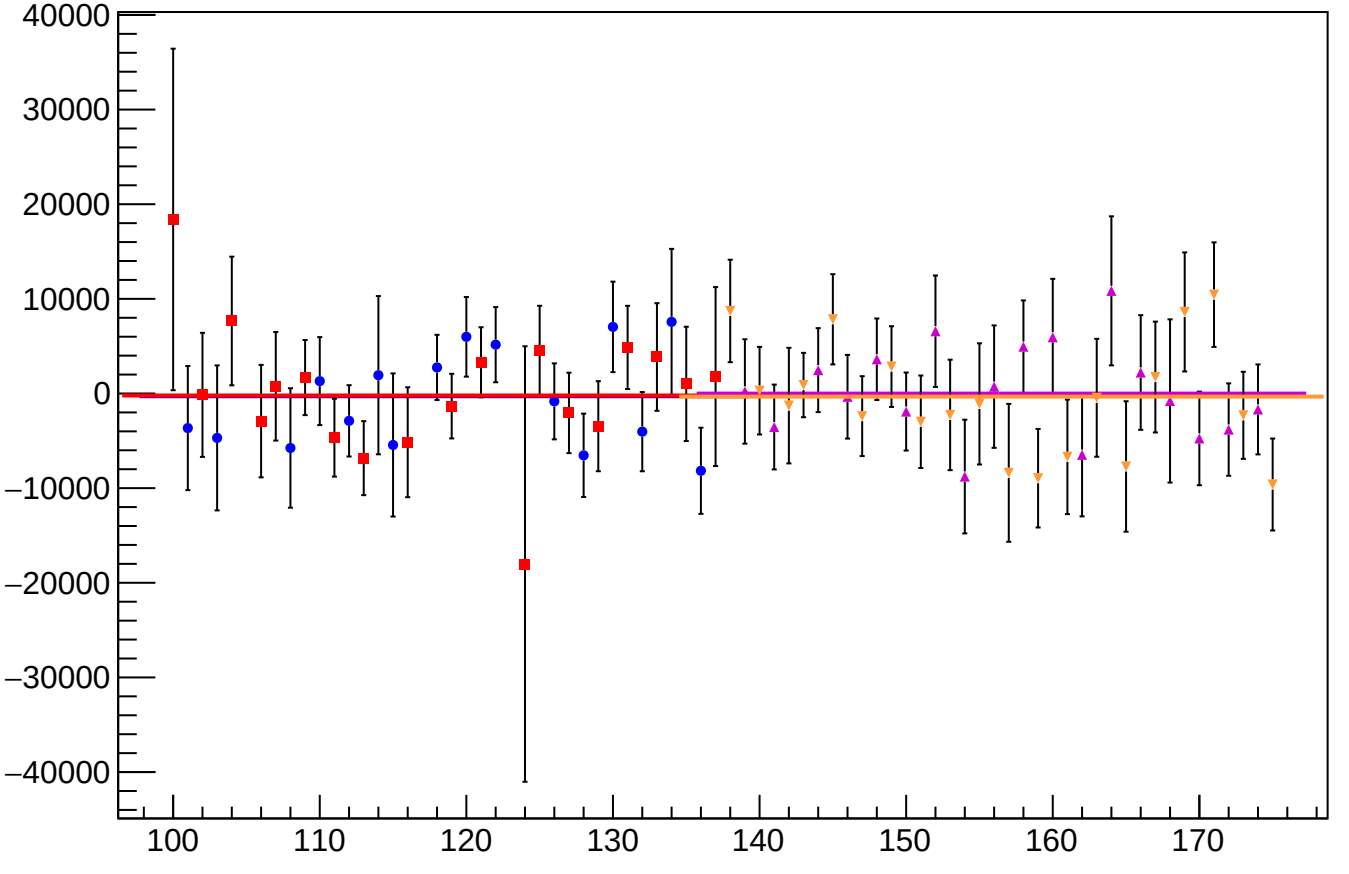
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3250.794+/-0.528 χ^2/NDF:6125011.3/33

Out: 3071.570+/-0.489 χ^2/NDF:6818843.2/38

All: 3154.283+/-0.359 χ^2/NDF: 13005822.9/7

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -329.655+/-1153.474 χ^2/NDF:23.1/19

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -11.208+/-1236.897 χ^2/NDF:11.9/17

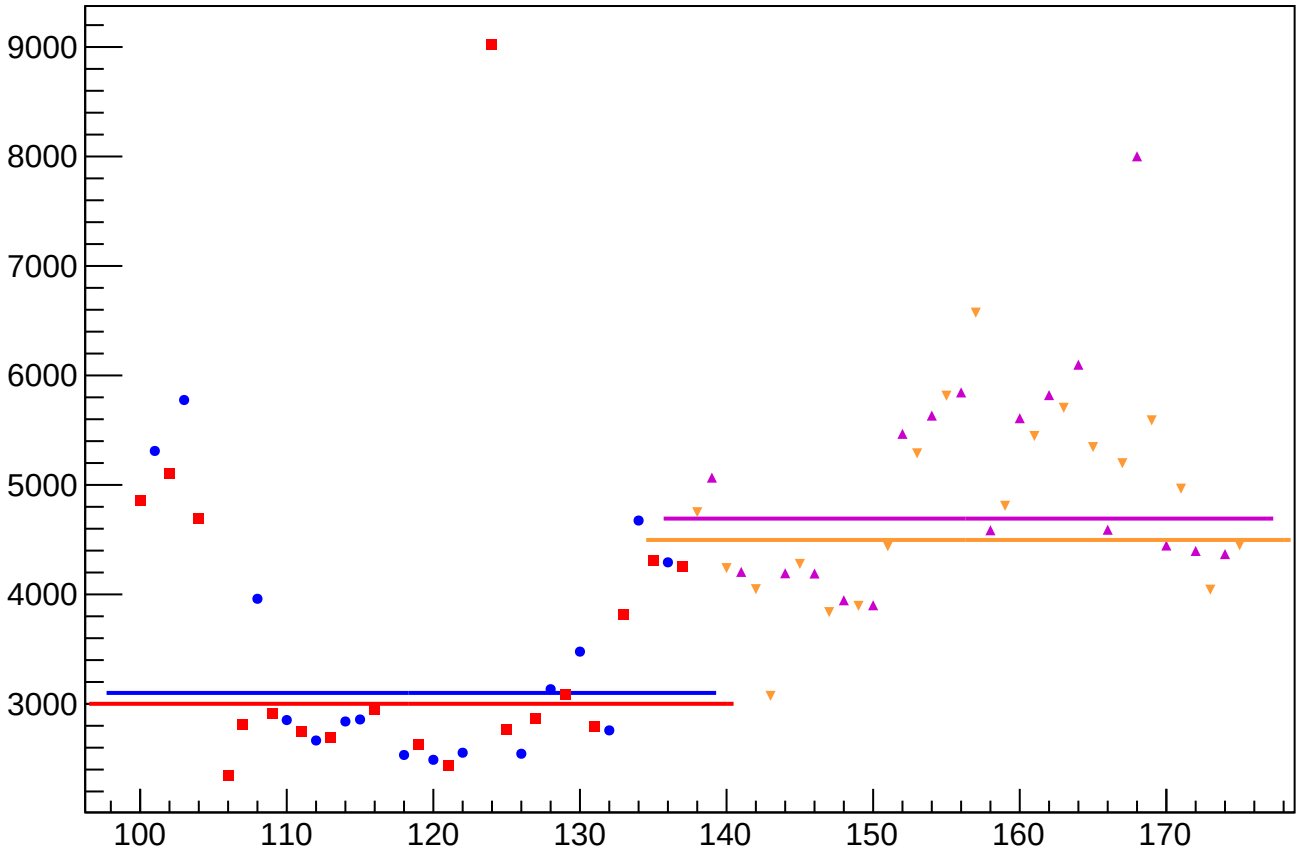
Left: -181.532+/-843.581 χ^2/NDF: 35.1/37

Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -153.727+/-860.291 χ^2/NDF:28.5/33

Out: -269.578+/-815.724 χ^2/NDF:36.0/38

All: -214.731+/-591.933 χ^2/NDF: 64.5/72



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4497.381+/-0.816 χ^2/NDF:1033854.0/19

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.536+/-0.875 χ^2/NDF:850406.8/17

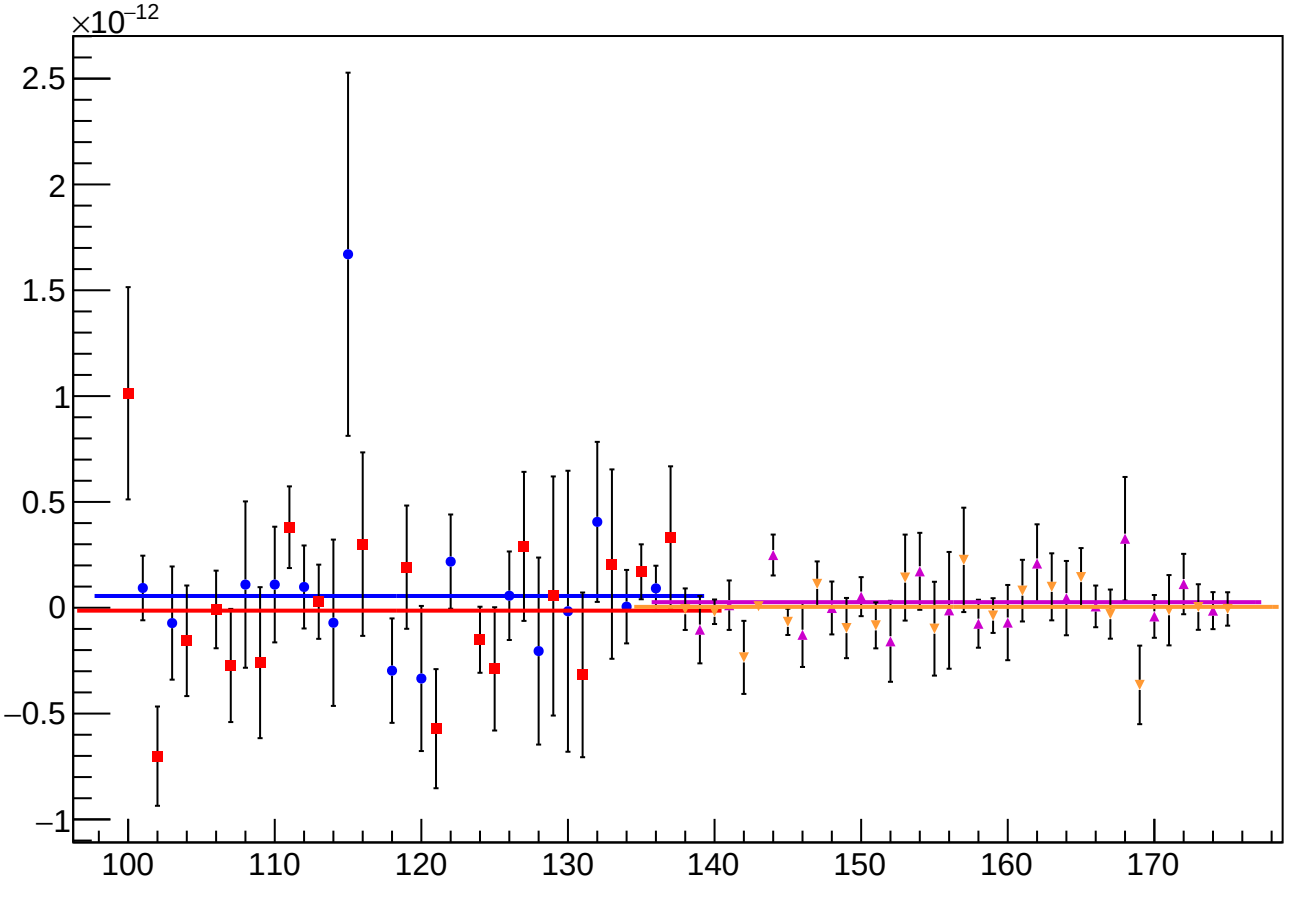
Left: 4588.156+/-0.597 χ^2/NDF: 1910890.1/37

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3870.463+/-0.608 χ^2/NDF:3525374.5/33

Out: 3739.069+/-0.573 χ^2/NDF:3546444.3/38

All: 3800.827+/-0.417 χ^2/NDF: 7096544.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/17

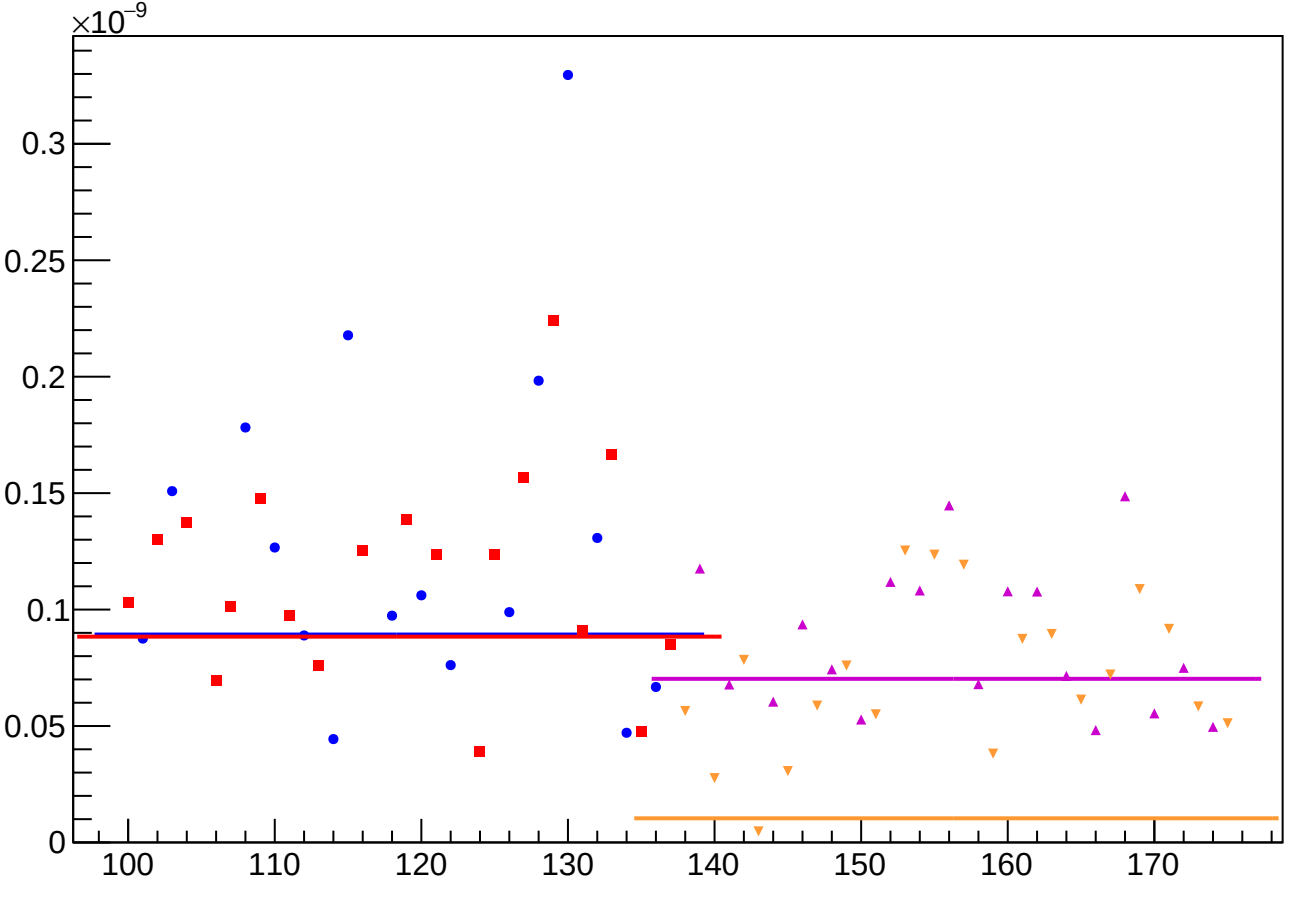
Left: 0.000+/-0.000 χ^2/NDF: 26.6/37

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:22.5/33

Out: 0.000+/-0.000 χ^2/NDF:43.3/38

All: 0.000+/-0.000 χ^2/NDF: 66.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8769452.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1219848.1/17

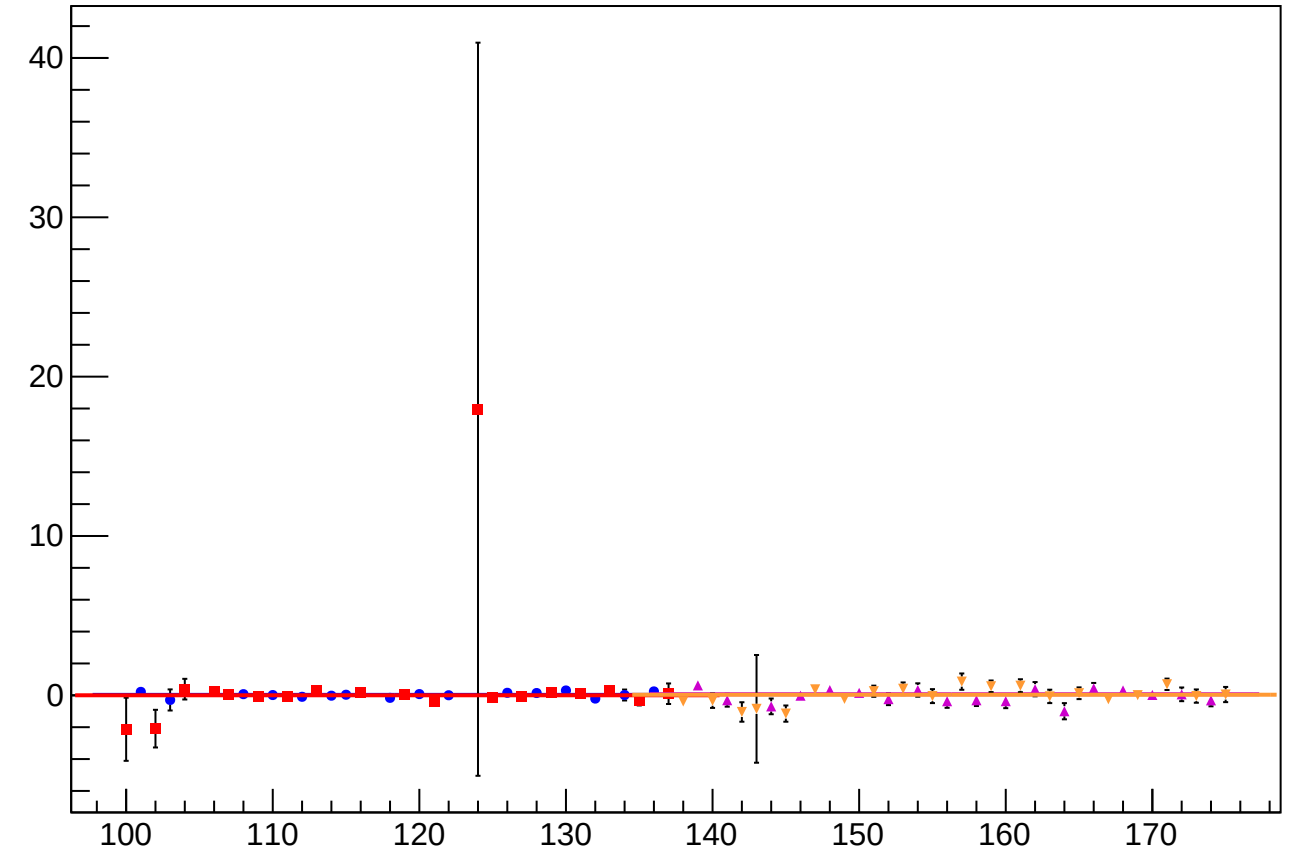
Left: 0.000+/-0.000 χ^2/NDF: 17182389.9/37

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2344926.2/33

Out: 0.000+/-0.000 χ^2/NDF:13609336.5/38

All: 0.000+/-0.000 χ^2/NDF: 25858472.2/72



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

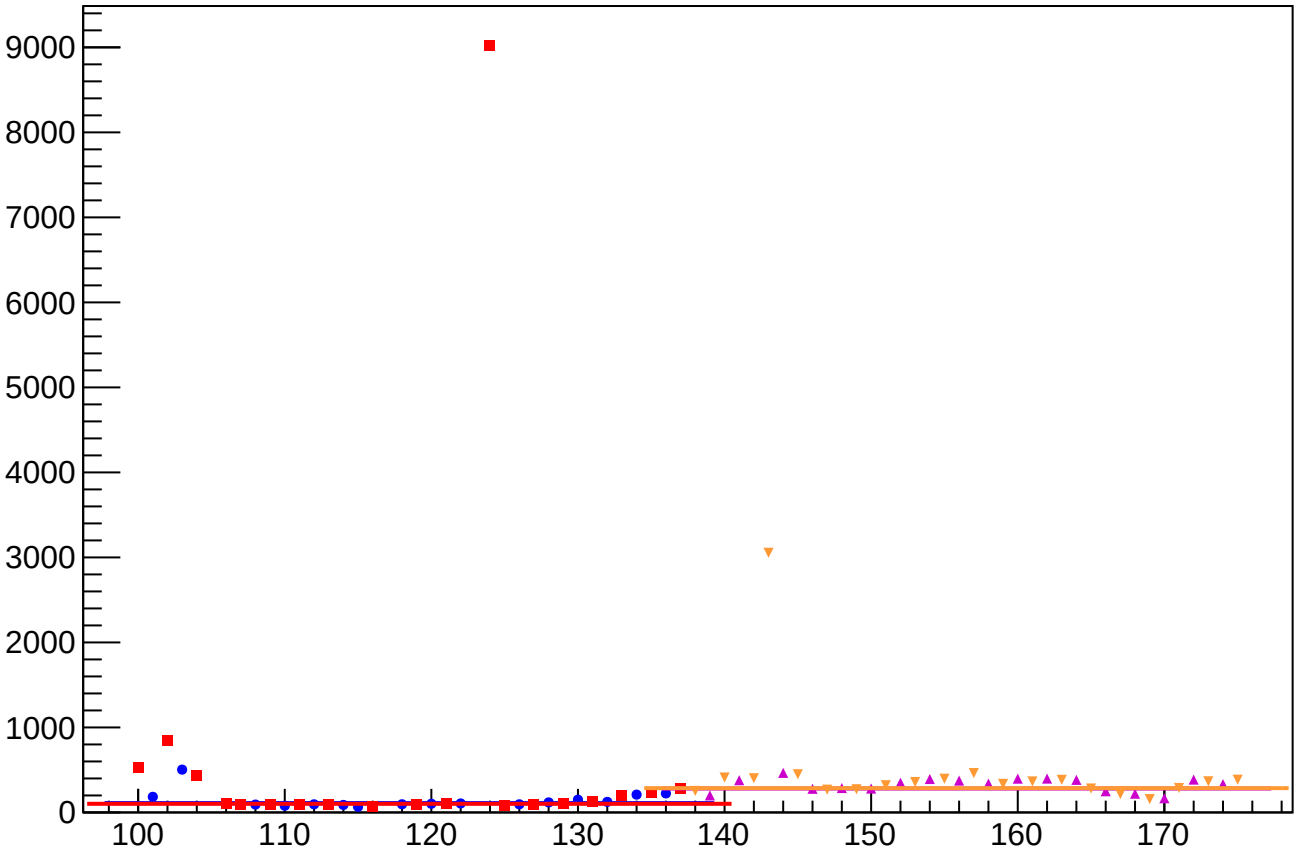
Left: 0.053+/-0.055 χ^2/NDF: 48.6/37

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.3/72



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 285.958+/-0.055 χ^2/NDF:3881924.1/19

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

Left: 283.535+/-0.039 χ^2/NDF: 6281568.6/37

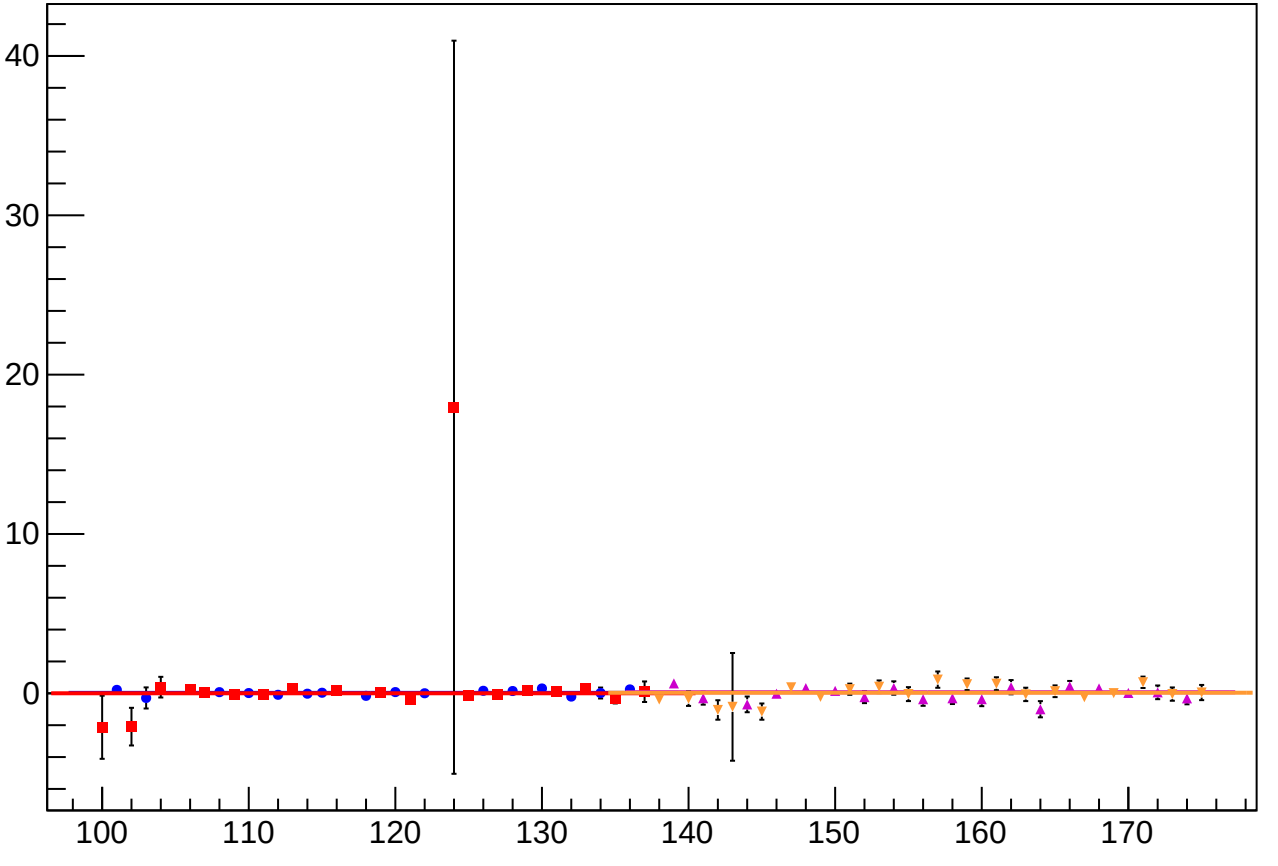
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 153.827+/-0.028 χ^2/NDF:11640485.4/33

Out: 145.089+/-0.027 χ^2/NDF:14935162.1/38

All: 149.329+/-0.019 χ^2/NDF: 26627139.4/72

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

Left: 0.053+/-0.055 χ^2/NDF: 48.6/37

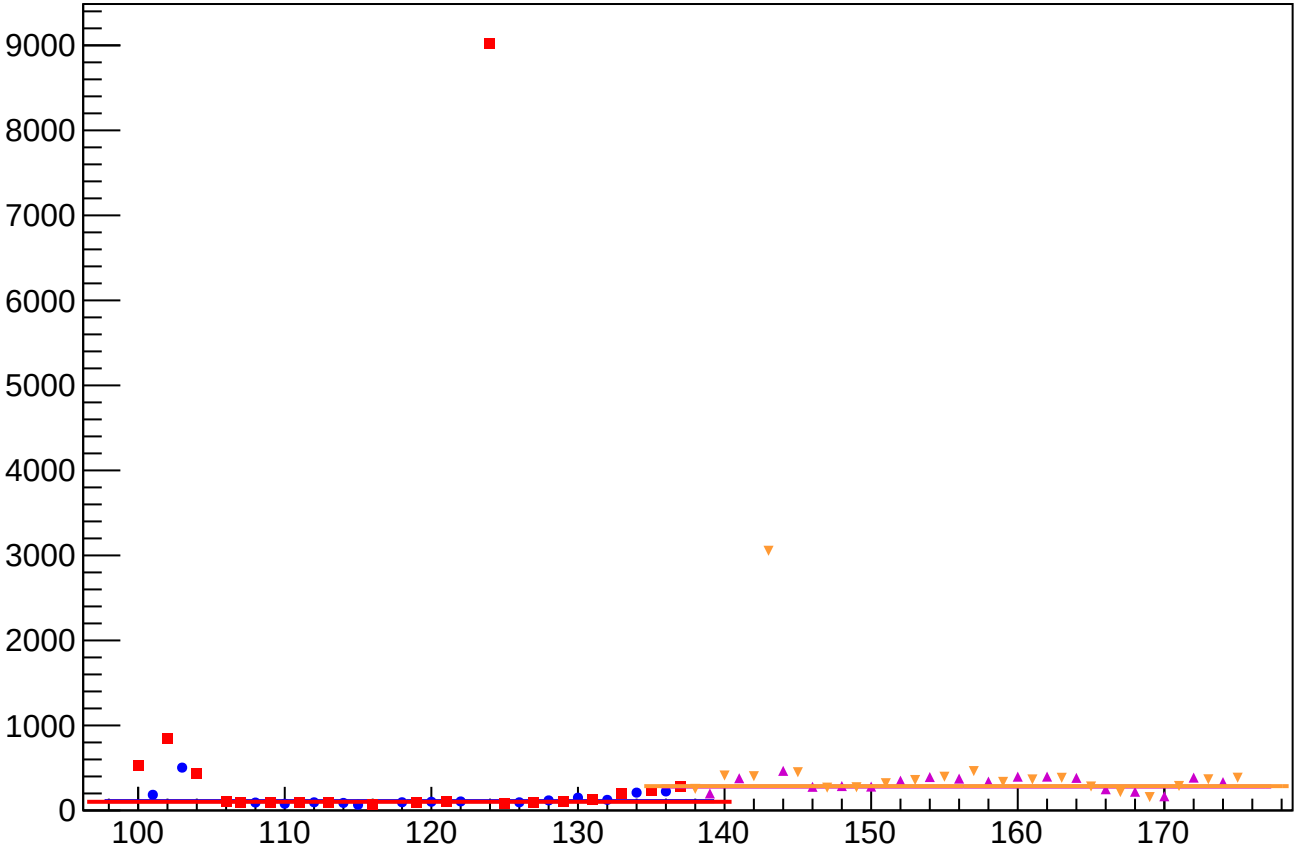
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.3/72

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 285.958+/-0.055 χ^2/NDF:3881924.1/19

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

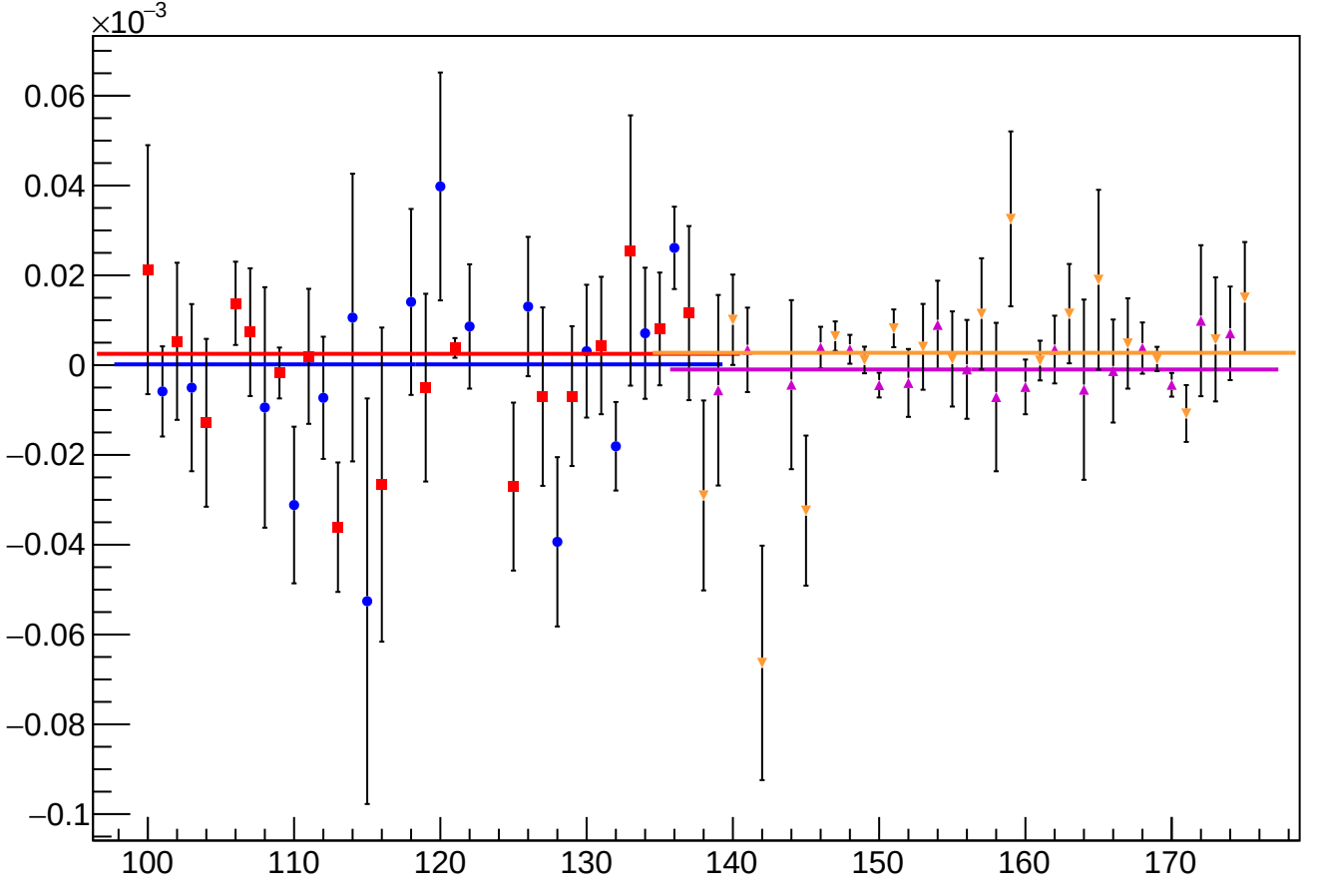
Left: 283.535+/-0.039 χ^2/NDF: 6281568.6/37

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 153.827+/-0.028 χ^2/NDF:11640485.4/33

Out: 145.089+/-0.027 χ^2/NDF:14935162.1/38

All: 149.329+/-0.019 χ^2/NDF: 26627139.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/17

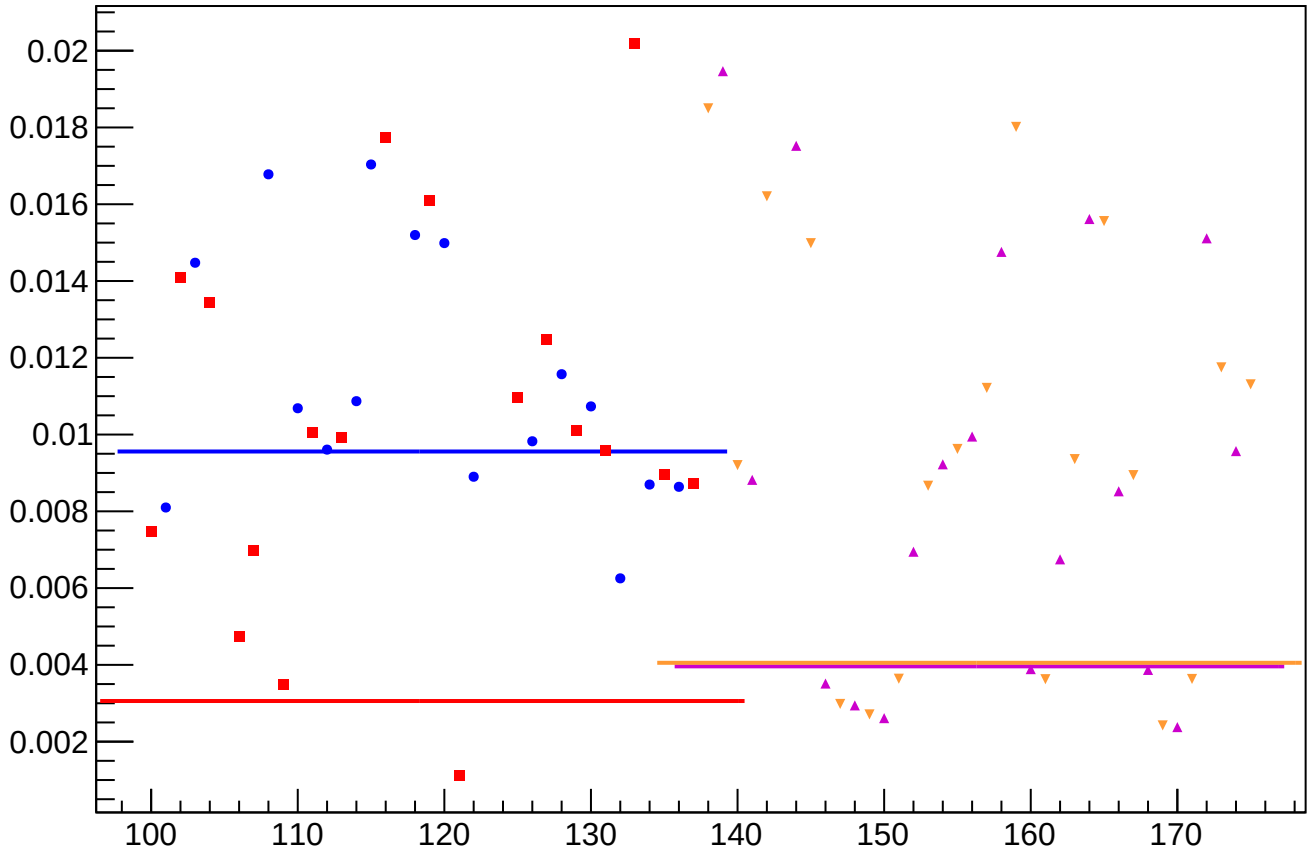
Left: 0.000+/-0.000 χ^2/NDF: 42.0/36

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:36.1/33

Out: 0.000+/-0.000 χ^2/NDF:43.5/36

All: 0.000+/-0.000 χ^2/NDF: 84.1/70



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:9764831.2/18

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:9105308.6/17

Left: 0.004+/-0.000 χ^2/NDF: 18874960.2/36

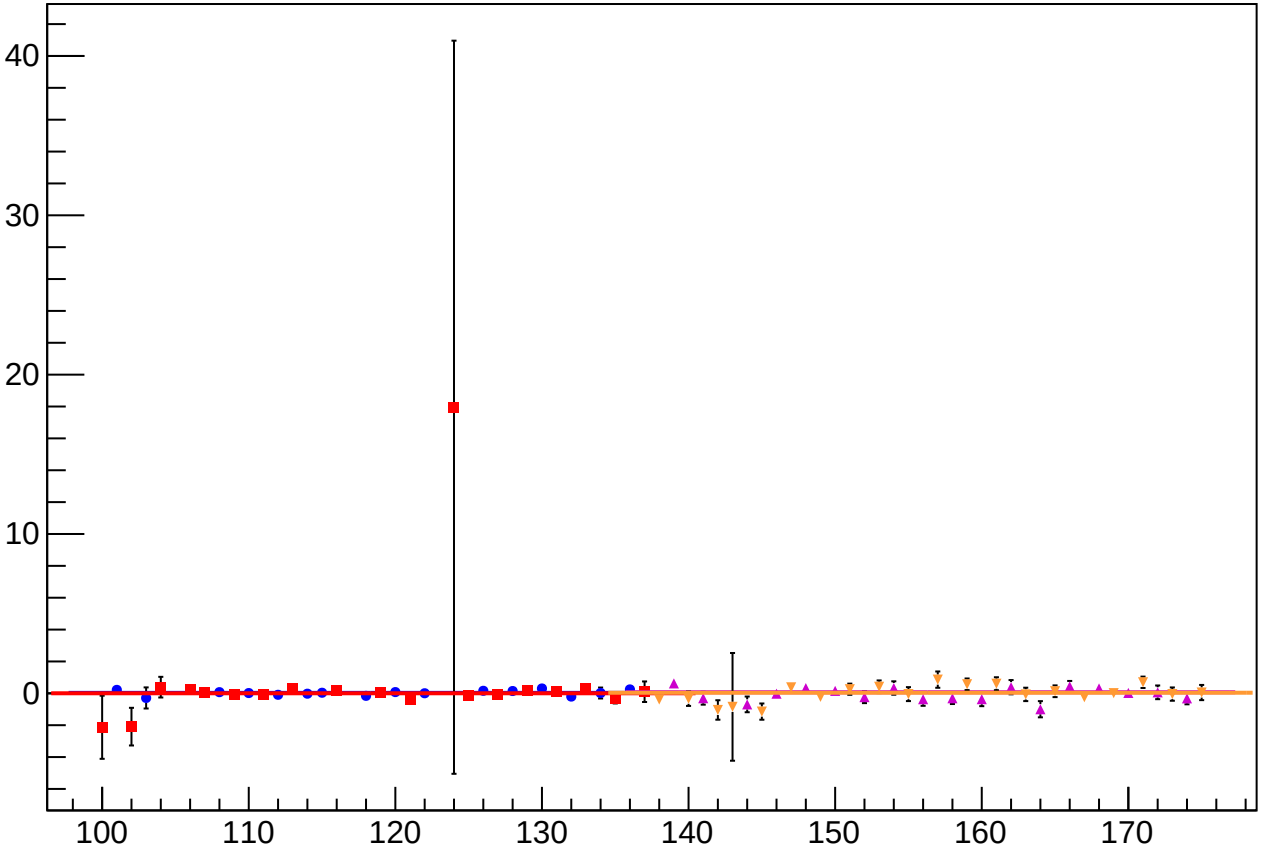
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:14031458.8/33

Out: 0.004+/-0.000 χ^2/NDF:18272365.2/36

All: 0.004+/-0.000 χ^2/NDF: 32873632.4/70

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

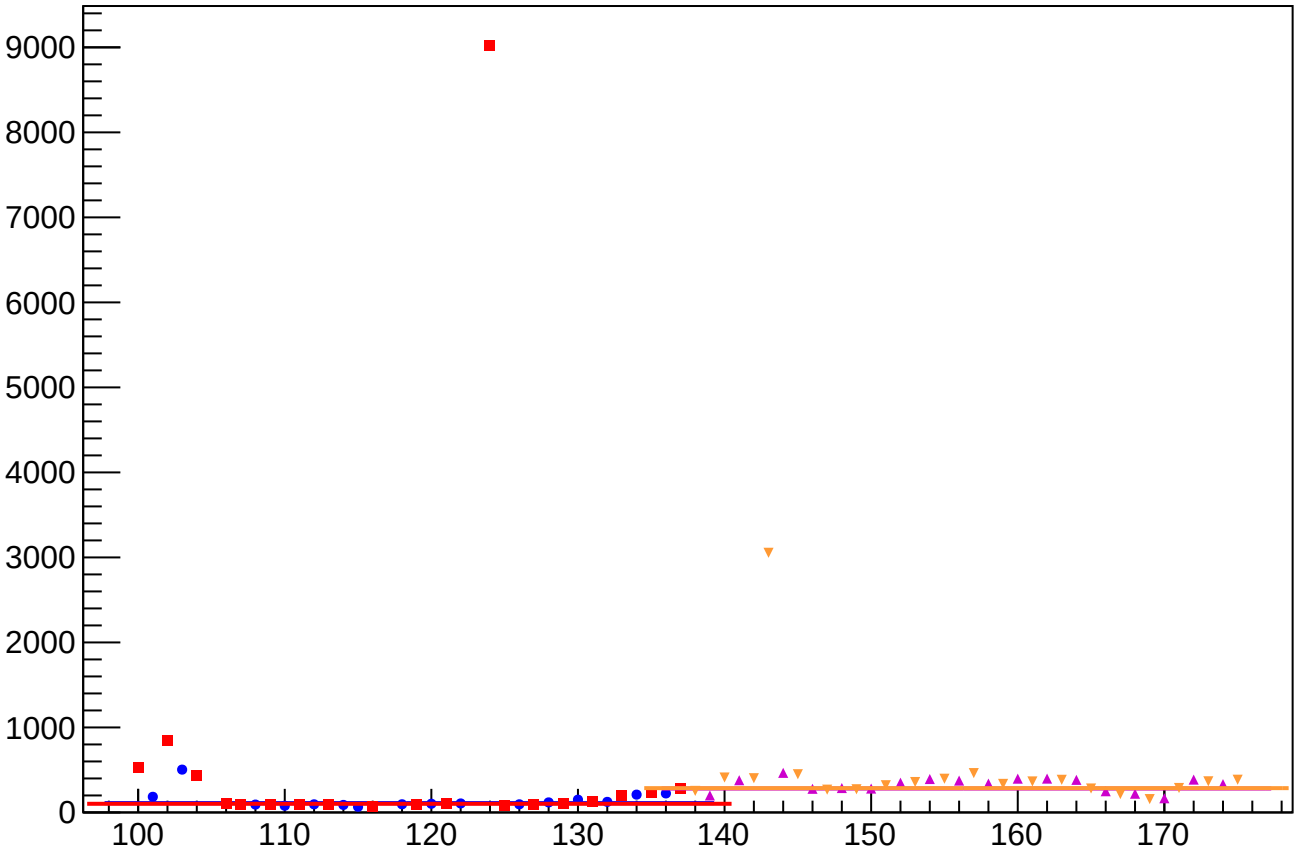
Left: 0.053+/-0.055 χ^2/NDF: 48.6/37

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.3/72



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 285.959+/-0.055 χ^2/NDF:3881965.6/19

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

Left: 283.537+/-0.039 χ^2/NDF: 6281559.5/37

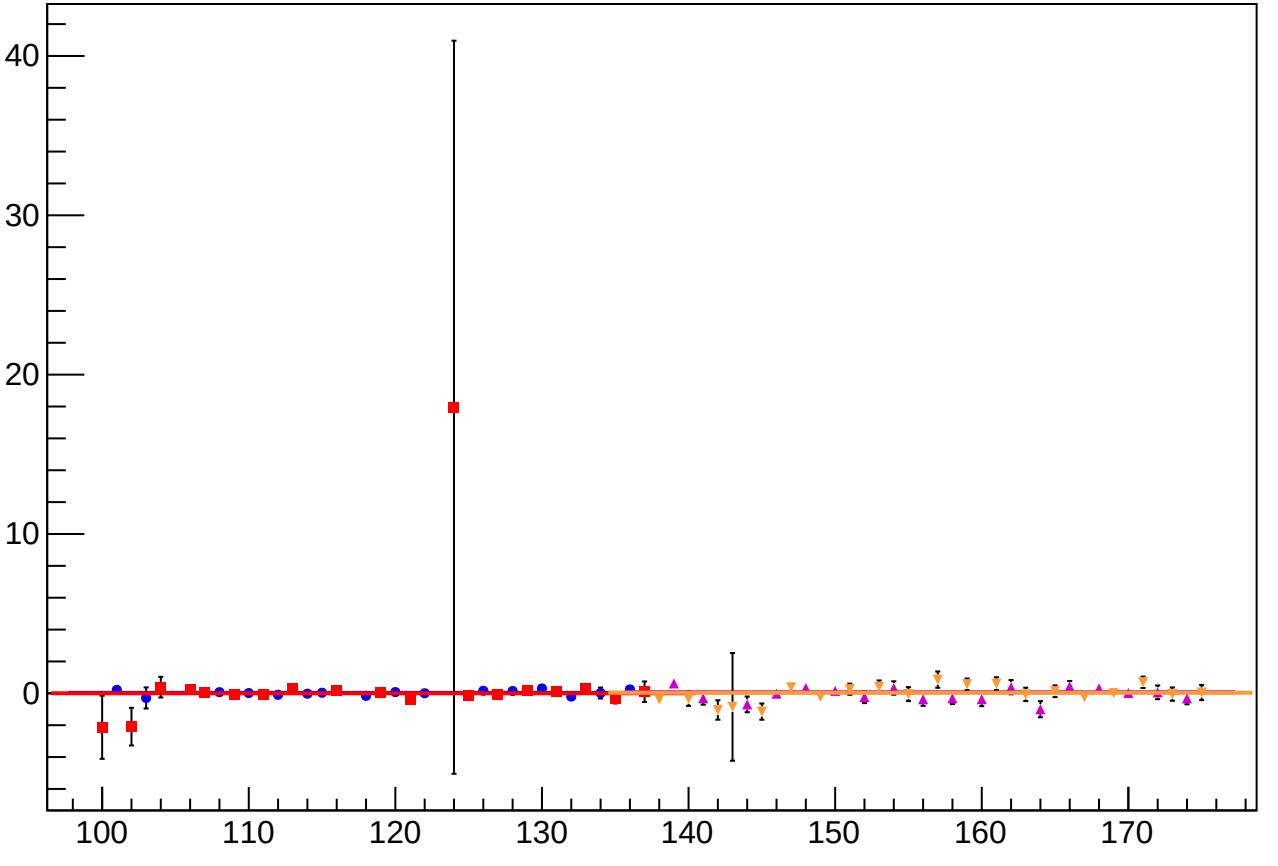
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 153.828+/-0.028 χ^2/NDF:11640419.2/33

Out: 145.090+/-0.027 χ^2/NDF:14935035.3/38

All: 149.331+/-0.019 χ^2/NDF: 26626941.8/72

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

Left: 0.053+/-0.055 χ^2/NDF: 48.6/37

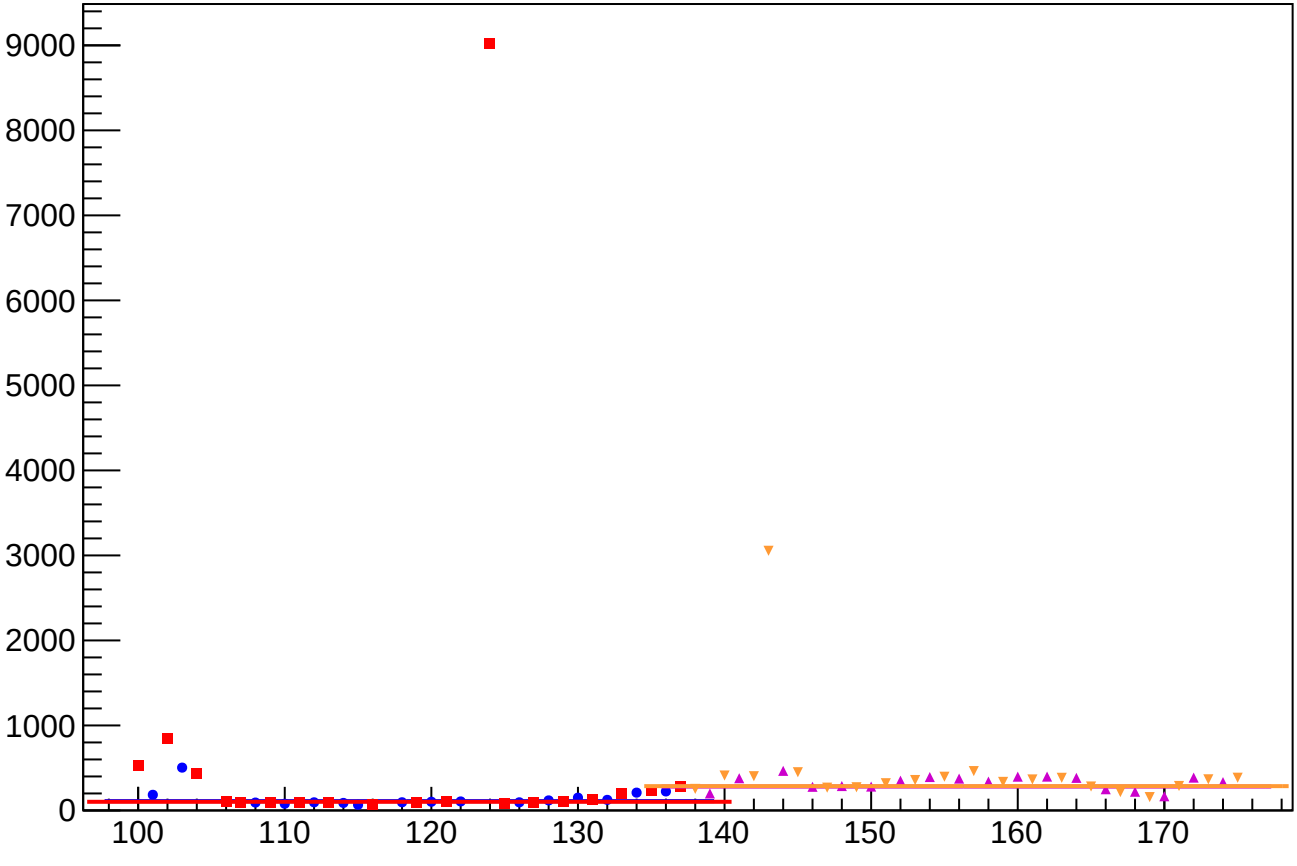
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.3/72

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 285.959+/-0.055 χ^2/NDF:3881965.6/19

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

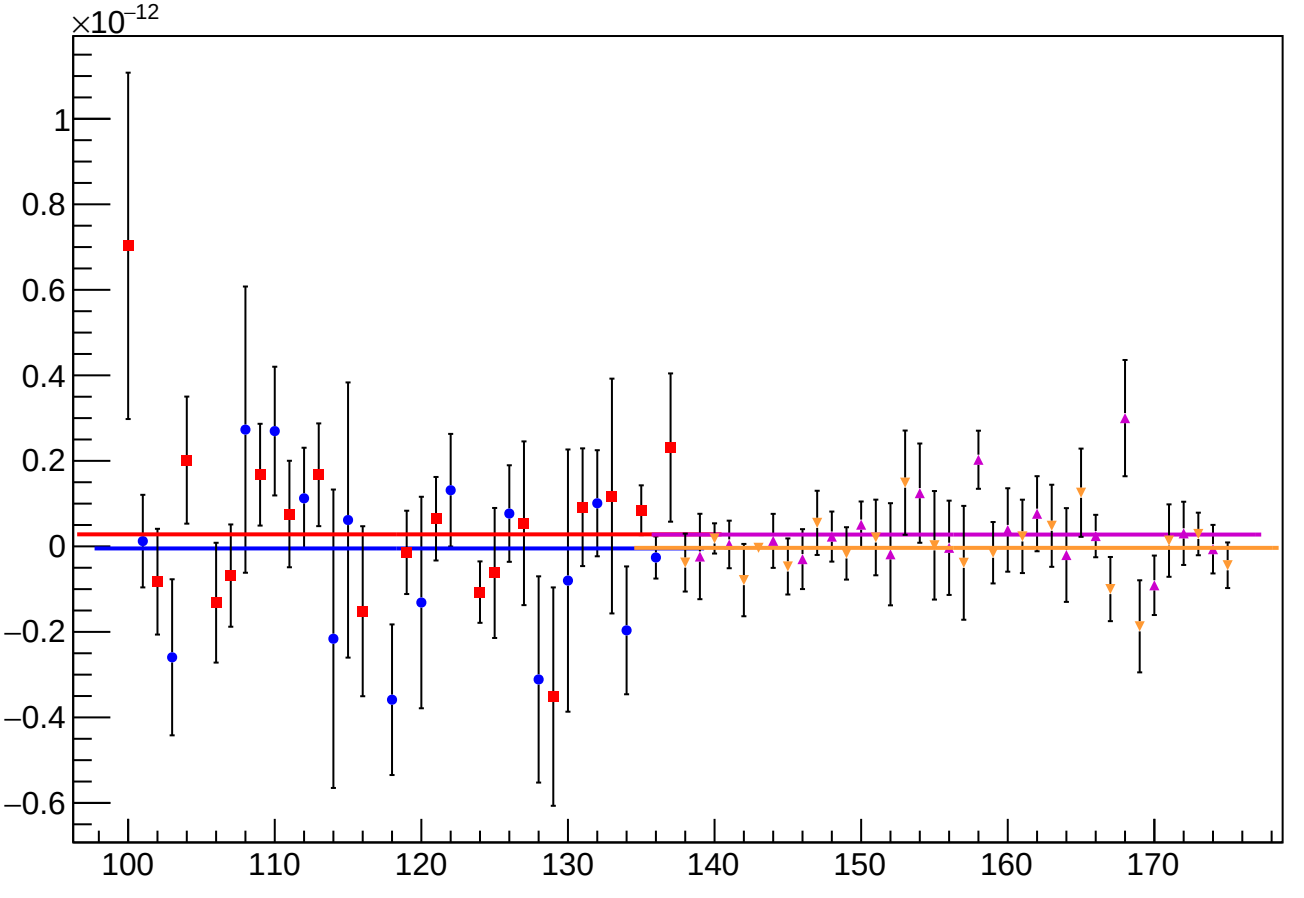
Left: 283.537+/-0.039 χ^2/NDF: 6281559.5/37

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 153.828+/-0.028 χ^2/NDF:11640419.2/33

Out: 145.090+/-0.027 χ^2/NDF:14935035.3/38

All: 149.331+/-0.019 χ^2/NDF: 26626941.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/17

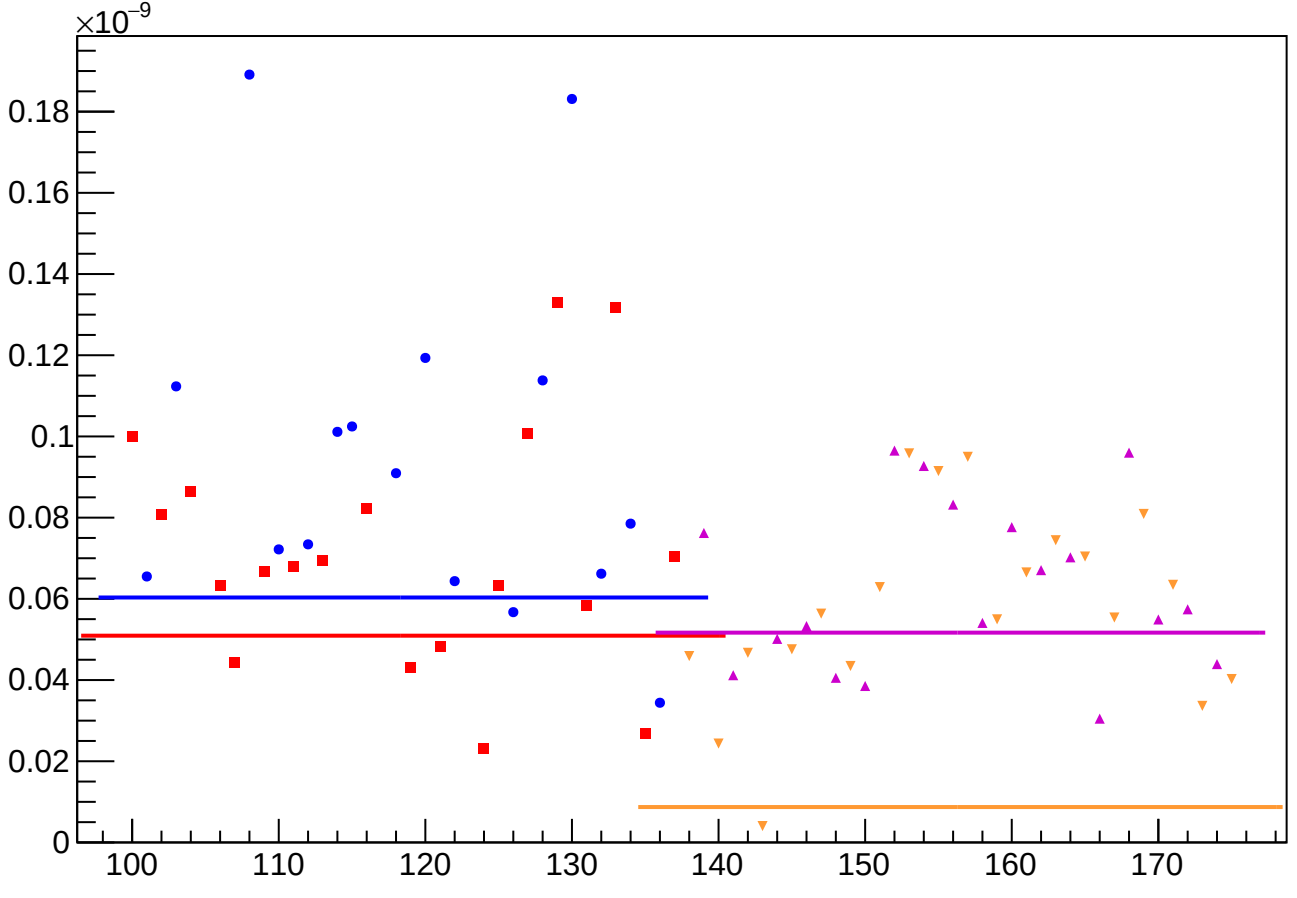
Left: -0.000+/-0.000 χ^2/NDF: 31.6/37

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:32.8/38

All: 0.000+/-0.000 χ^2/NDF: 69.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15495080.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1973518.5/17

Left: 0.000+/-0.000 χ^2/NDF: 29016879.6/37

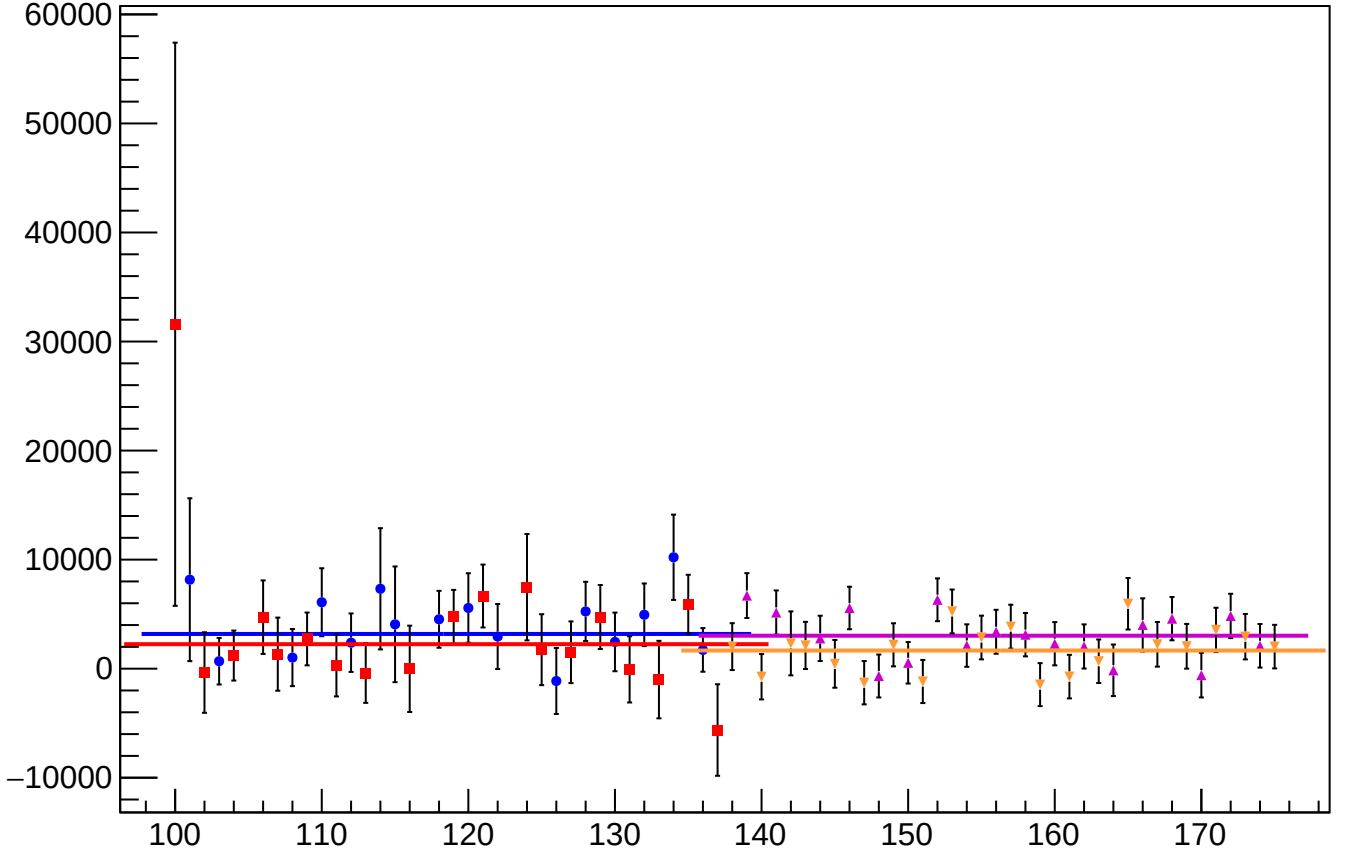
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3835012.0/33

Out: 0.000+/-0.000 χ^2/NDF:21800969.0/38

All: 0.000+/-0.000 χ^2/NDF: 40480959.1/72

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.826+/-464.633 χ^2/NDF:19.7/19

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3023.491+/-478.779 χ^2/NDF:21.4/17

Left: 2324.821+/-333.434 χ^2/NDF: 45.2/37

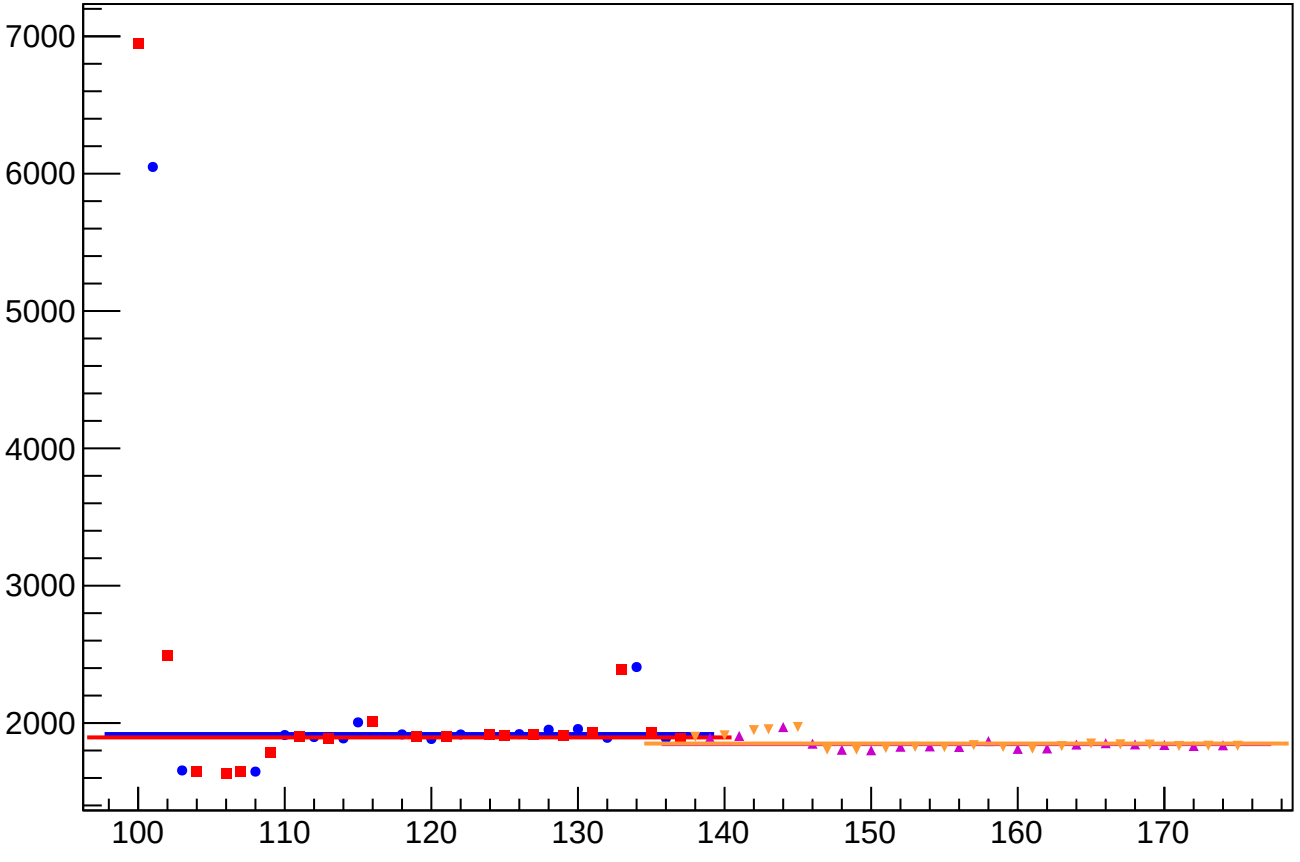
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3071.575+/-400.540 χ^2/NDF:33.1/33

Out: 1840.194+/-388.933 χ^2/NDF:36.7/38

All: 2437.783+/-279.030 χ^2/NDF: 74.7/72

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

Left: 1848.729+/-0.236 χ^2/NDF: 34448.6/37

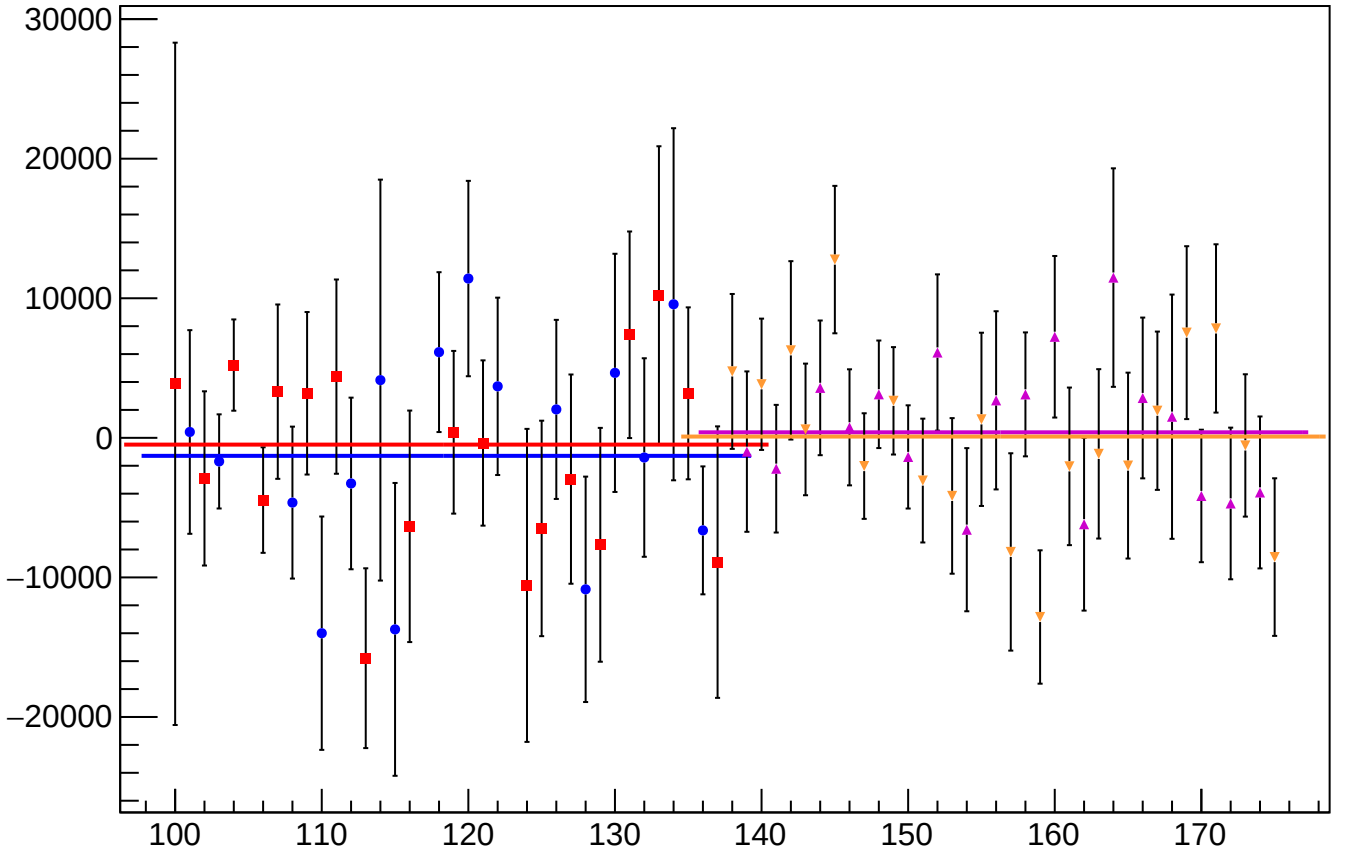
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1868.572+/-0.283 χ^2/NDF:725270.0/33

Out: 1864.161+/-0.275 χ^2/NDF:248297.9/38

All: 1866.300+/-0.197 χ^2/NDF: 973692.9/72

asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 91.065+/-1171.398 χ^2/NDF:24.5/19

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 395.036+/-1209.696 χ^2/NDF:11.7/17

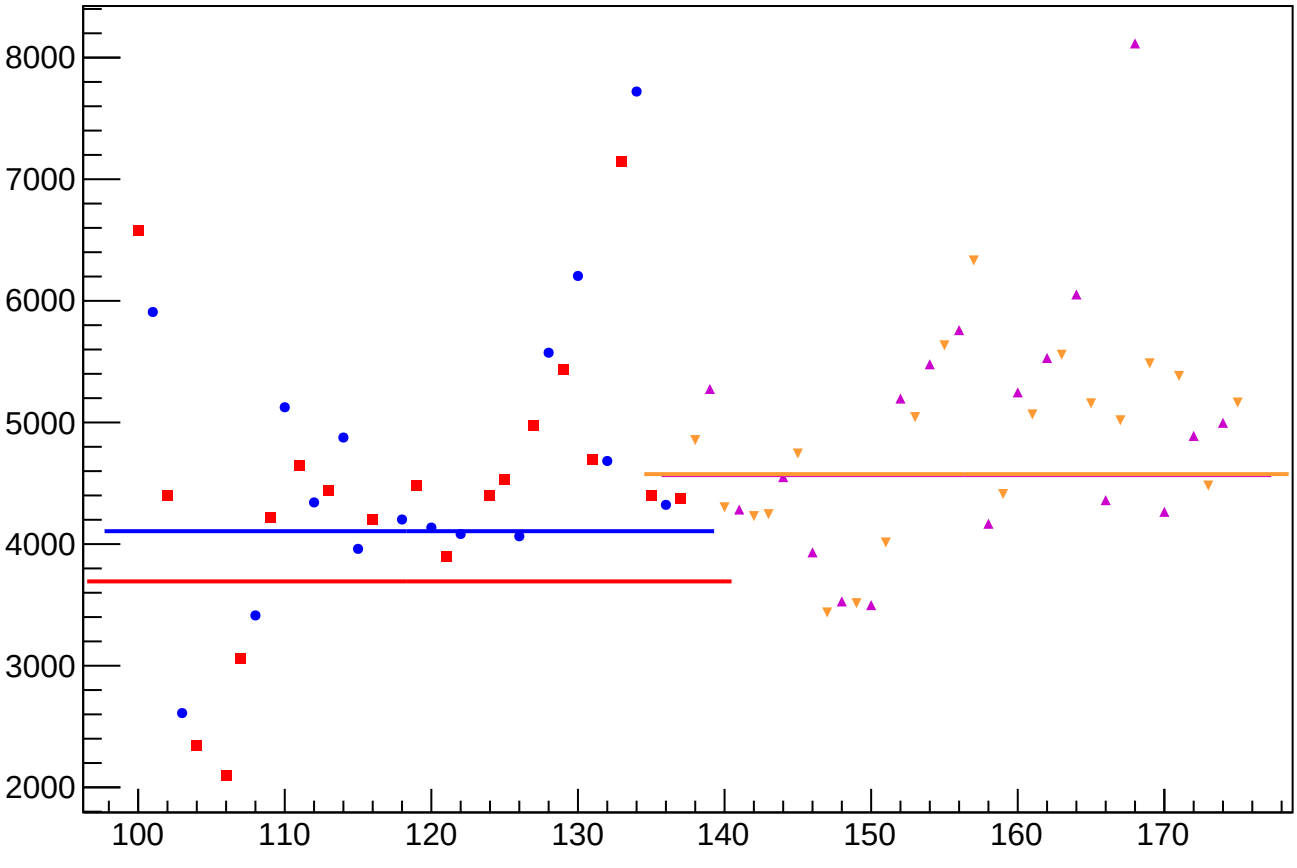
Left: 238.163+/-841.517 χ^2/NDF: 36.2/37

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -225.172+/-961.719 χ^2/NDF:26.7/33

Out: -138.908+/-908.069 χ^2/NDF:41.8/38

All: -179.567+/-660.254 χ^2/NDF: 68.5/72



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4575.394+/-0.828 χ^2/NDF:789212.5/19

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4567.309+/-0.855 χ^2/NDF:1064413.5/17

Left: 4571.481+/-0.595 χ^2/NDF: 1853672.2/37

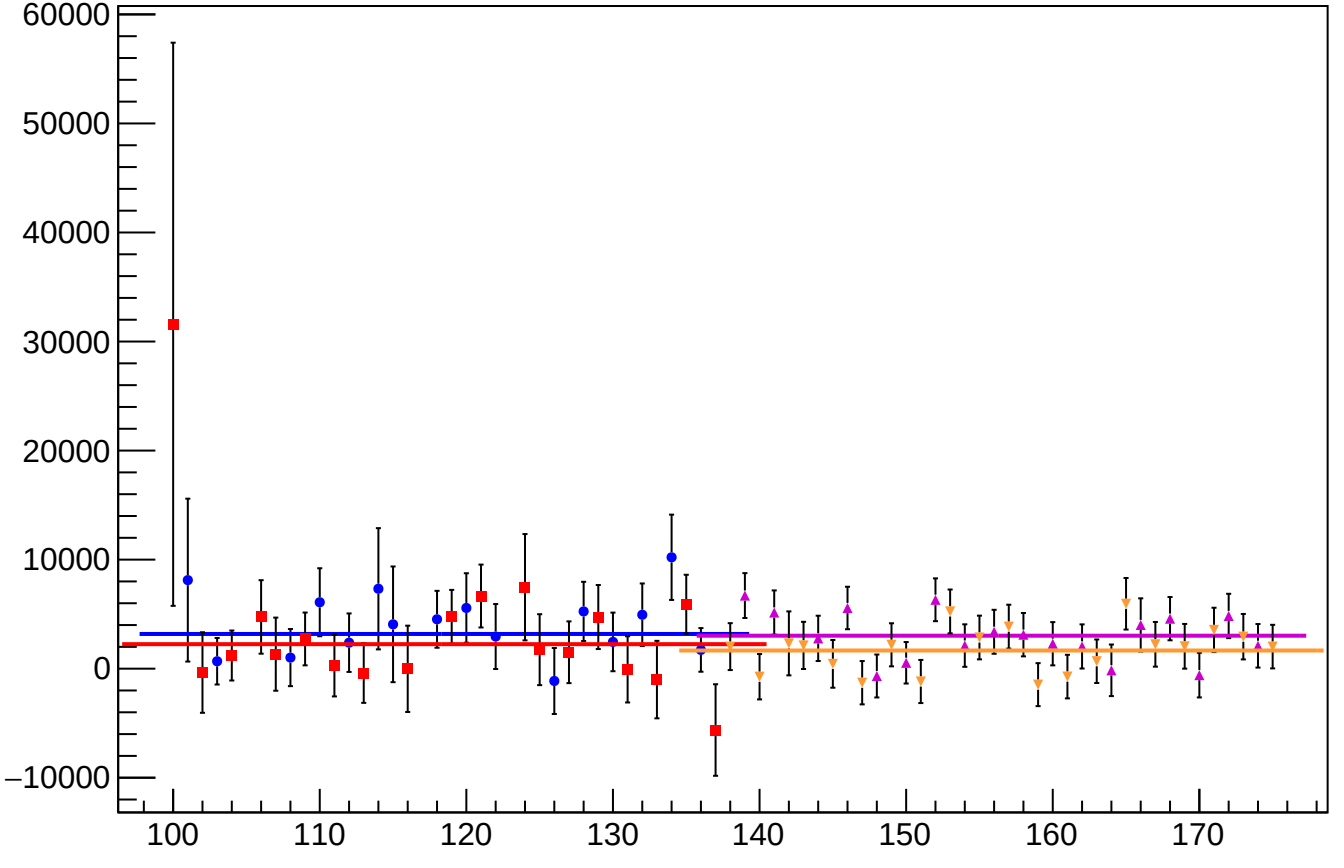
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4397.618+/-0.680 χ^2/NDF:2127497.8/33

Out: 4223.368+/-0.642 χ^2/NDF:2598467.9/38

All: 4305.497+/-0.467 χ^2/NDF: 4760676.1/72

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3023.458+/-478.779 χ^2/NDF:21.4/17

Left: 2324.761+/-333.434 χ^2/NDF: 45.2/37

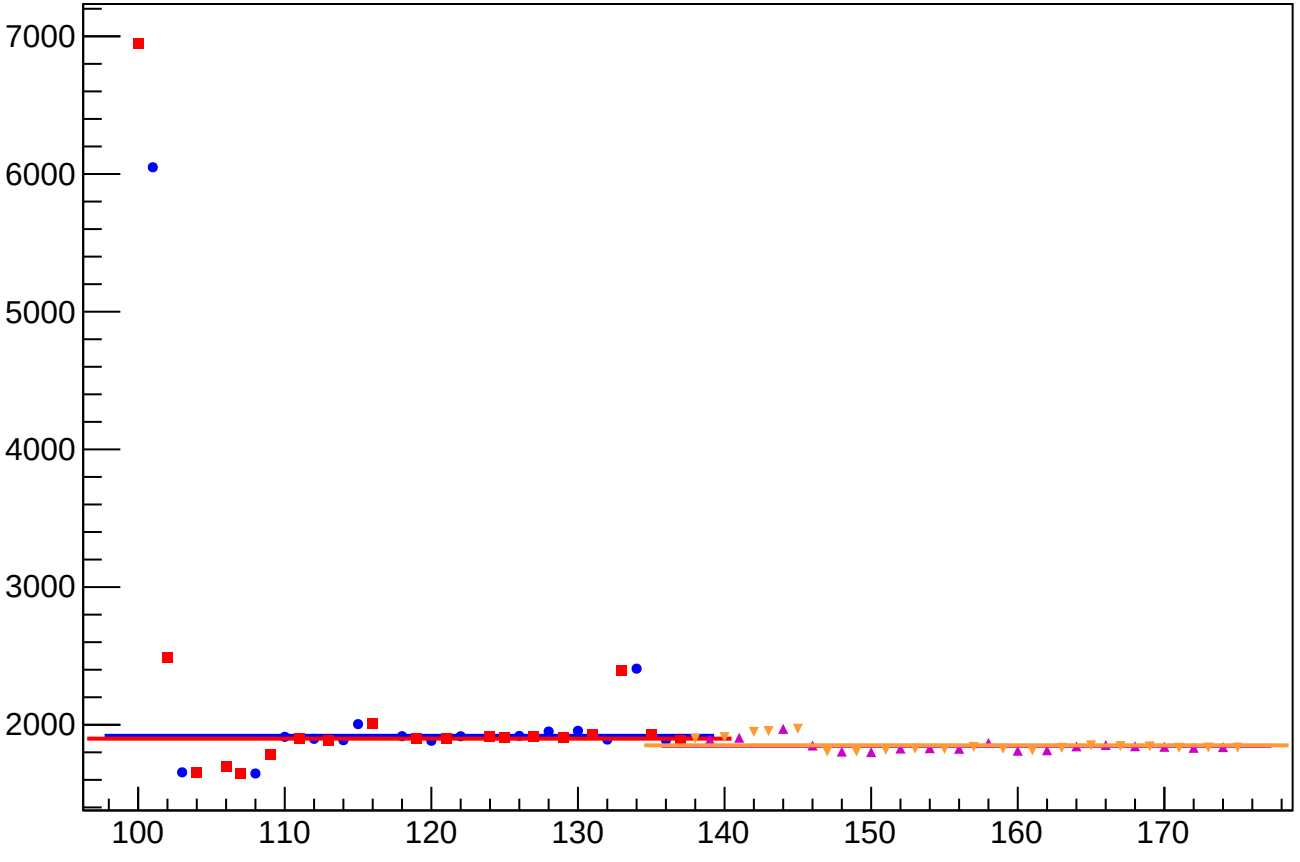
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3071.332+/-400.540 χ^2/NDF:33.1/33

Out: 1840.473+/-388.933 χ^2/NDF:36.7/38

All: 2437.810+/-279.031 χ^2/NDF: 74.7/72

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

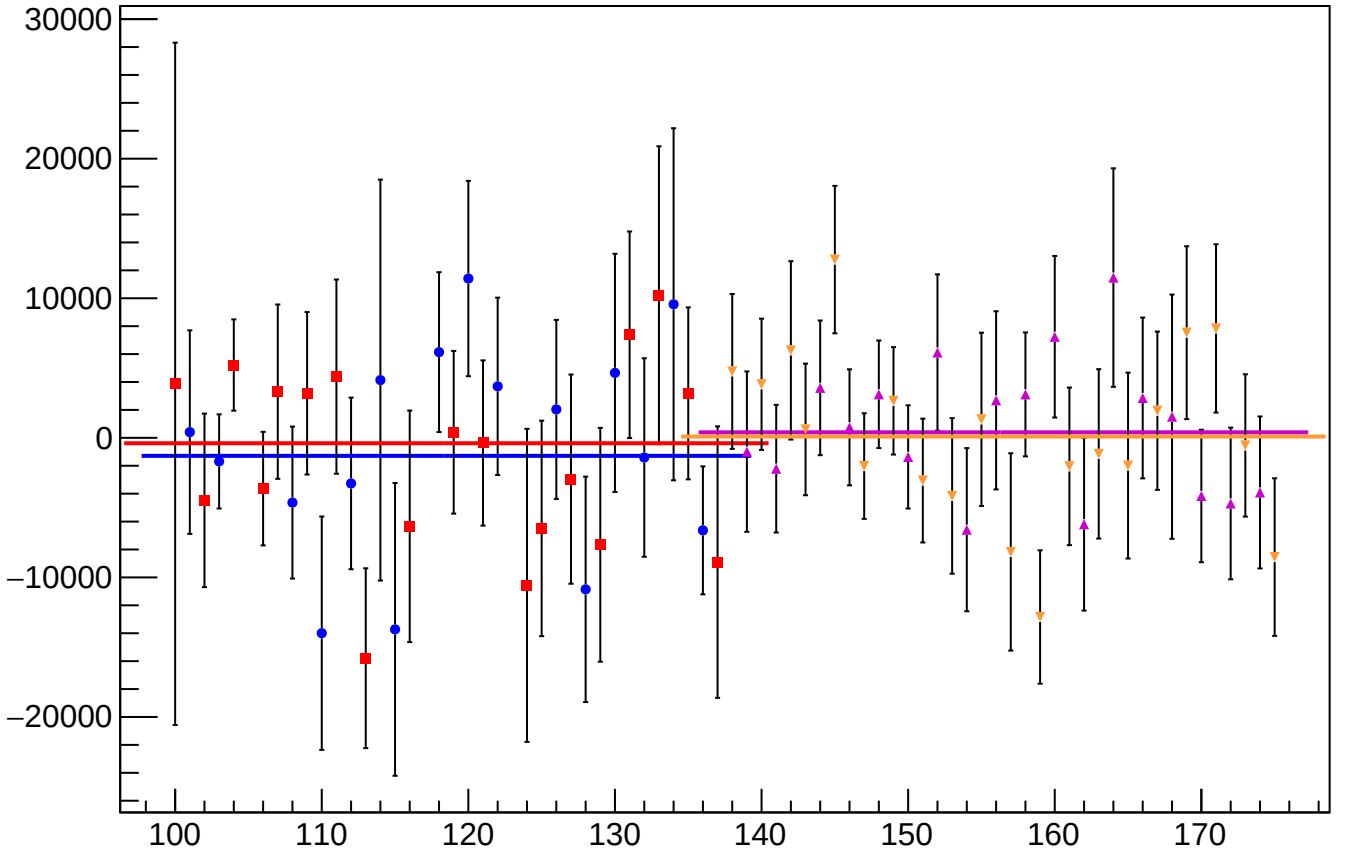
Left: 1848.729+/-0.236 χ^2/NDF: 34448.6/37

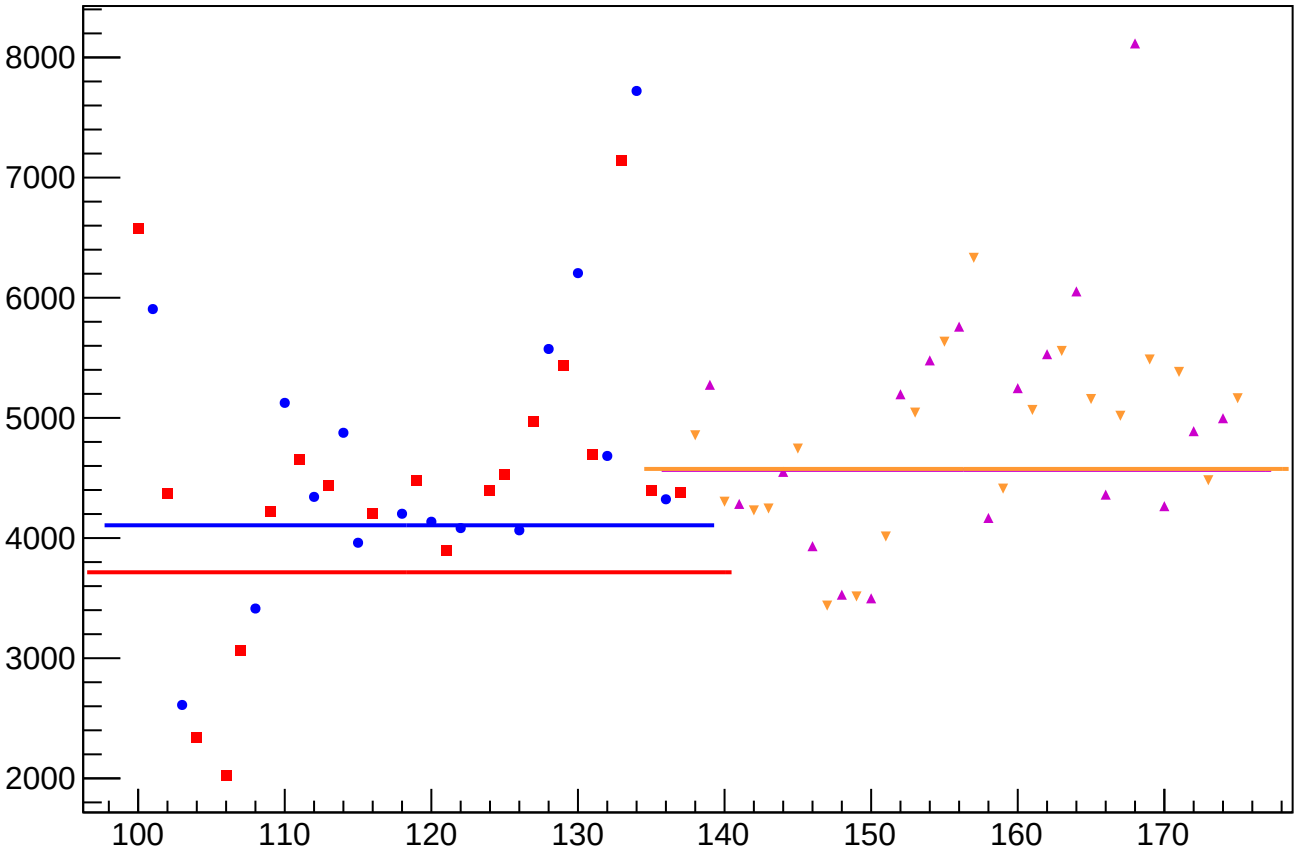
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1868.573+/-0.283 χ^2/NDF:725269.3/33

Out: 1865.326+/-0.275 χ^2/NDF:242700.5/38

All: 1866.901+/-0.197 χ^2/NDF: 968037.5/72


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 91.027+/-1171.396 χ²/NDF:24.5/19
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 395.053+/-1209.697 χ²/NDF:11.7/17
Left: 238.151+/-841.517 χ²/NDF: 36.2/37
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -225.297+/-961.720 χ²/NDF:26.7/33
Out: -97.755+/-911.582 χ²/NDF:41.5/38
All: -158.114+/-661.601 χ²/NDF: 68.2/72



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

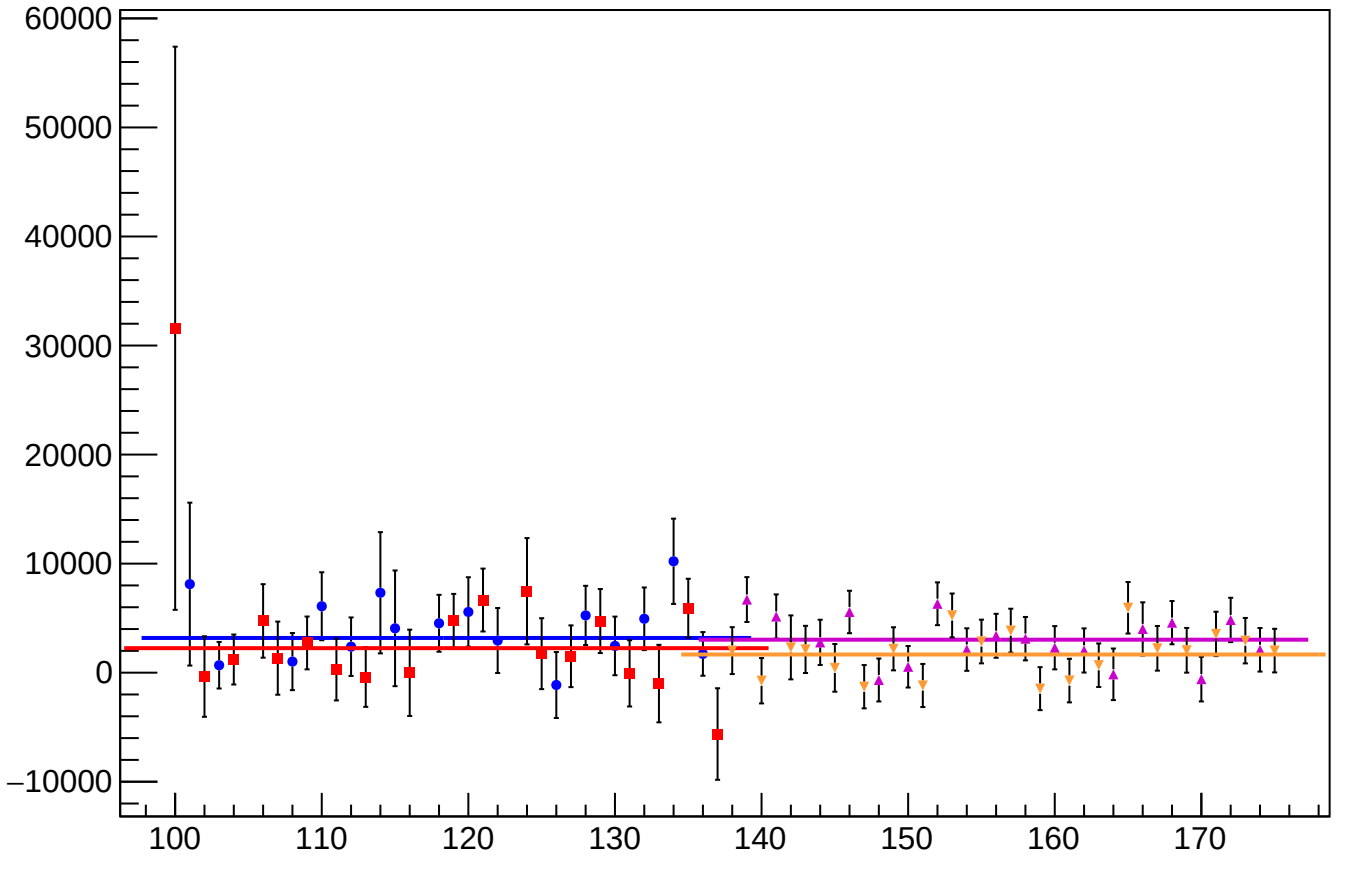
Left: 4571.478+/-0.595 χ^2/NDF: 1853686.4/37

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4397.654+/-0.680 χ^2/NDF:2126953.7/33

Out: 4236.126+/-0.645 χ^2/NDF:2549675.9/38

All: 4312.570+/-0.468 χ^2/NDF: 4706348.3/72



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3023.458+/-478.779 χ^2/NDF:21.4/17

Left: 2324.761+/-333.434 χ^2/NDF: 45.2/37

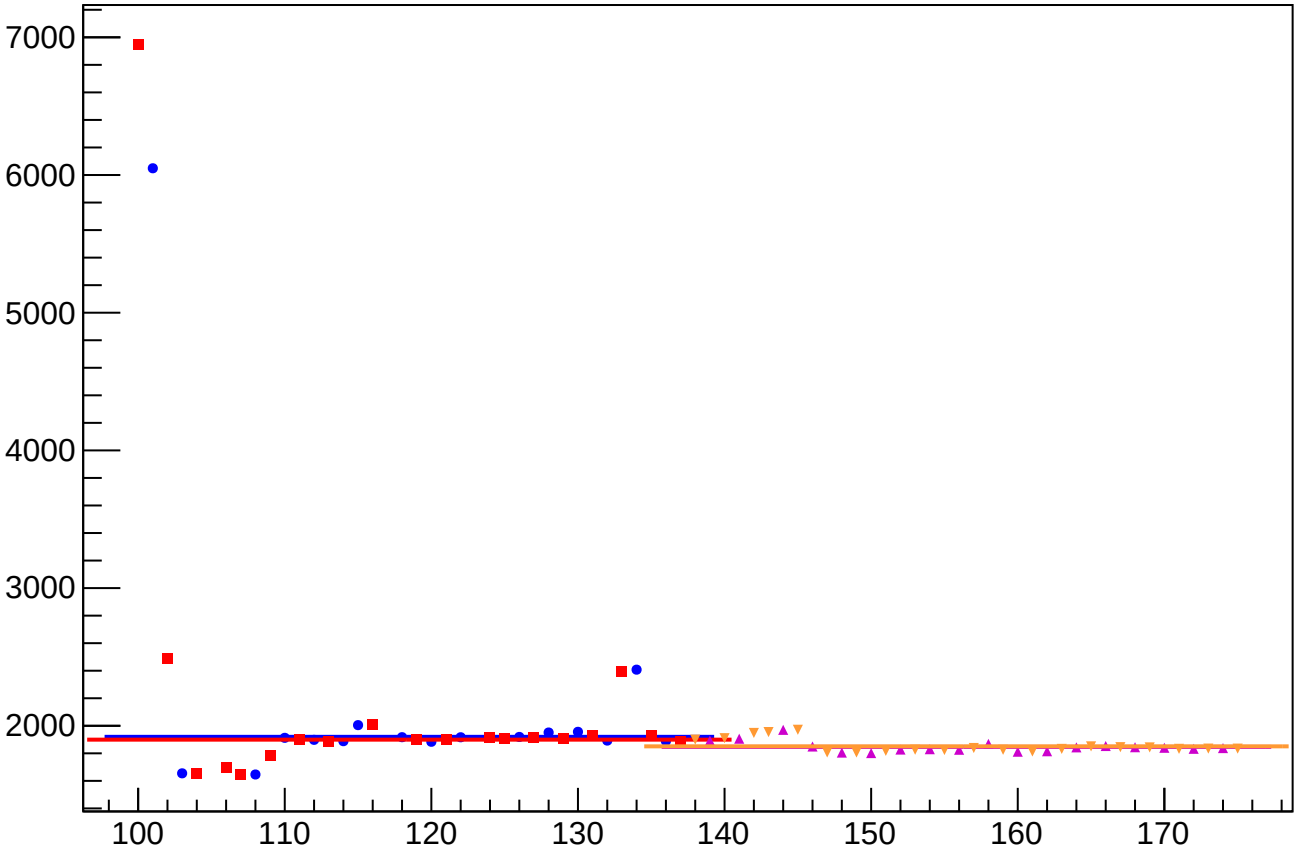
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3071.332+/-400.540 χ^2/NDF:33.1/33

Out: 1840.473+/-388.933 χ^2/NDF:36.7/38

All: 2437.810+/-279.031 χ^2/NDF: 74.7/72

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

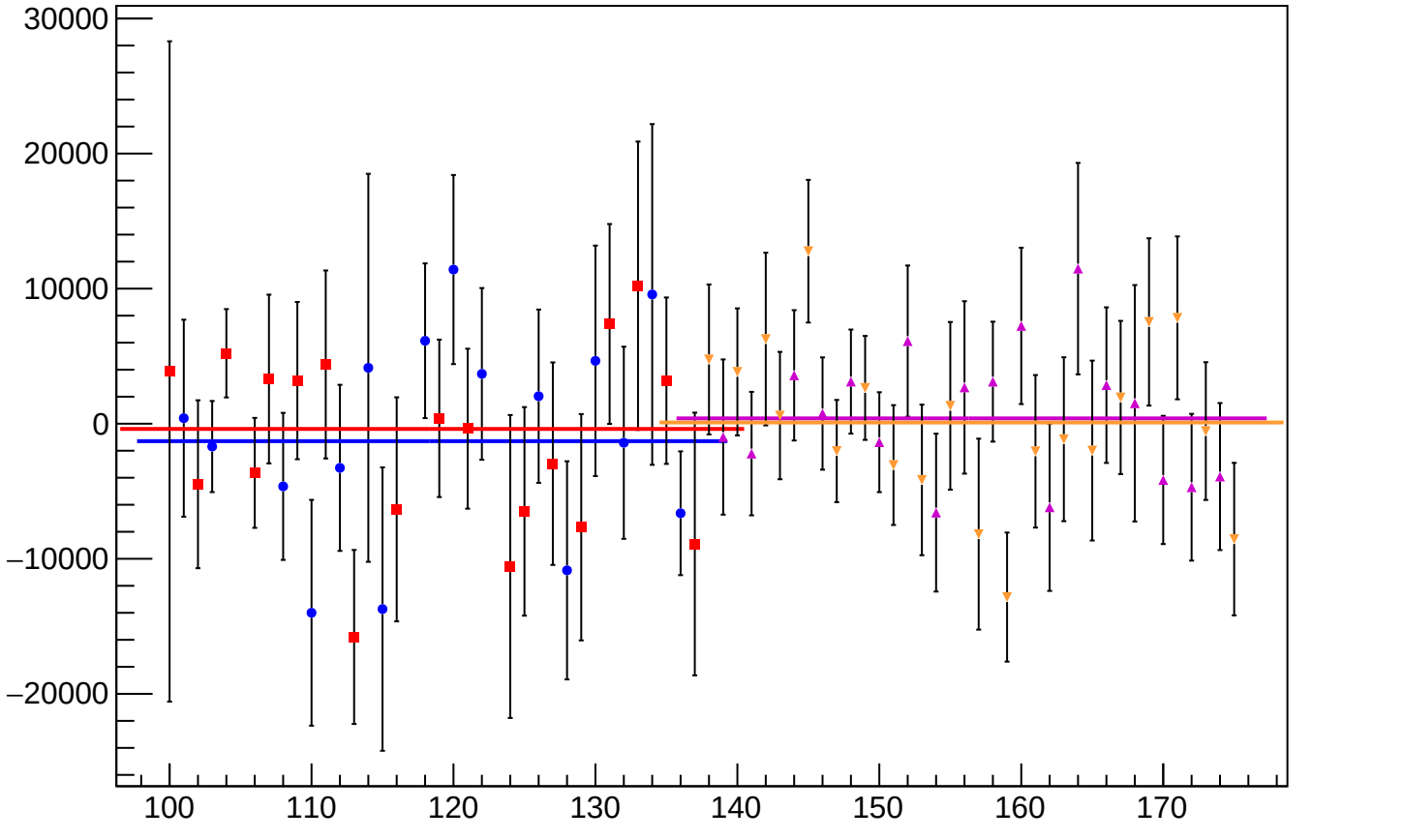
Left: 1848.729+/-0.236 χ^2/NDF: 34448.6/37

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

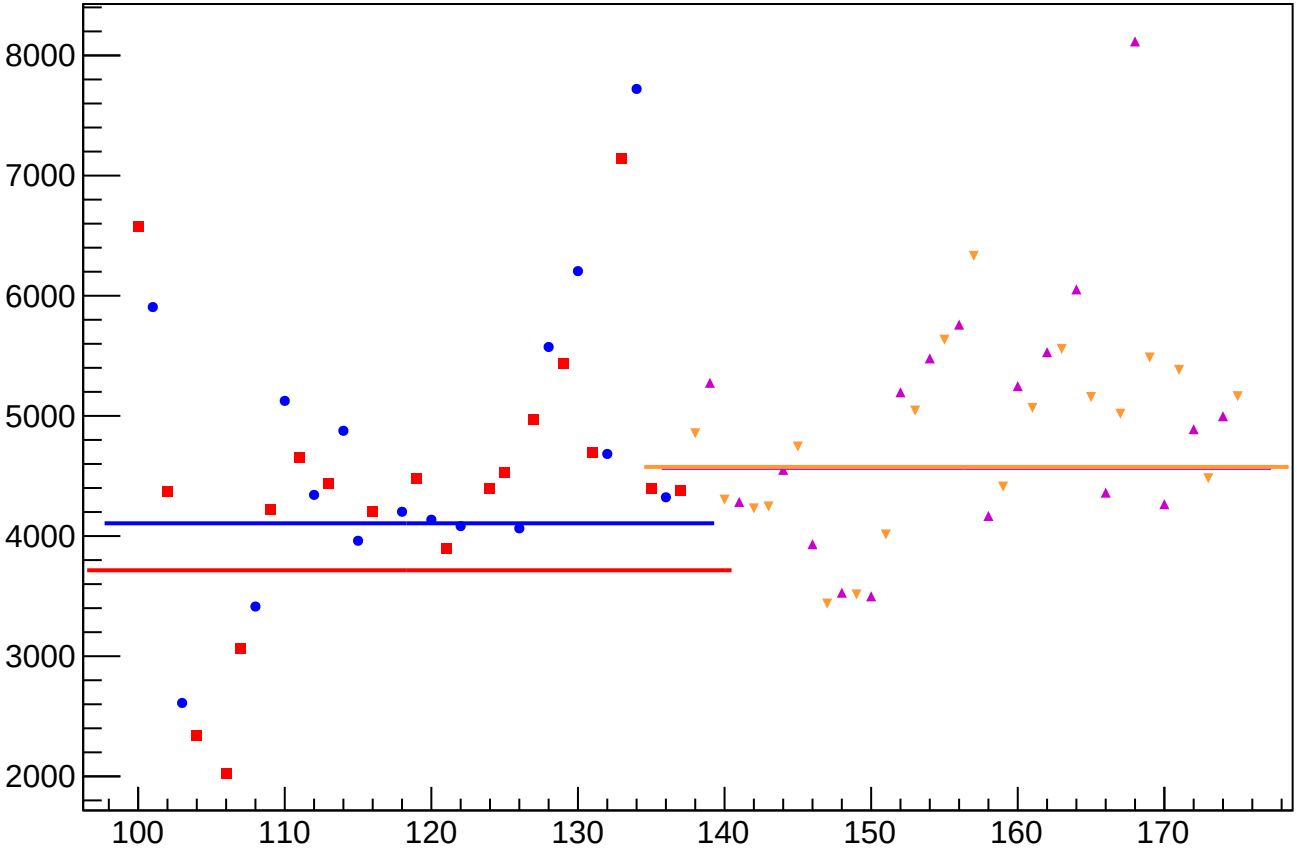
In: 1868.573+/-0.283 χ^2/NDF:725269.3/33

Out: 1865.326+/-0.275 χ^2/NDF:242700.5/38

All: 1866.901+/-0.197 χ^2/NDF: 968037.5/72


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 91.027+/-1171.396 χ²/NDF:24.5/19
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 395.053+/-1209.697 χ²/NDF:11.7/17
Left: 238.151+/-841.517 χ²/NDF: 36.2/37
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -225.297+/-961.720 χ²/NDF:26.7/33
Out: -97.755+/-911.582 χ²/NDF:41.5/38
All: -158.114+/-661.601 χ²/NDF: 68.2/72

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

Left: 4571.478+/-0.595 χ^2/NDF: 1853686.4/37

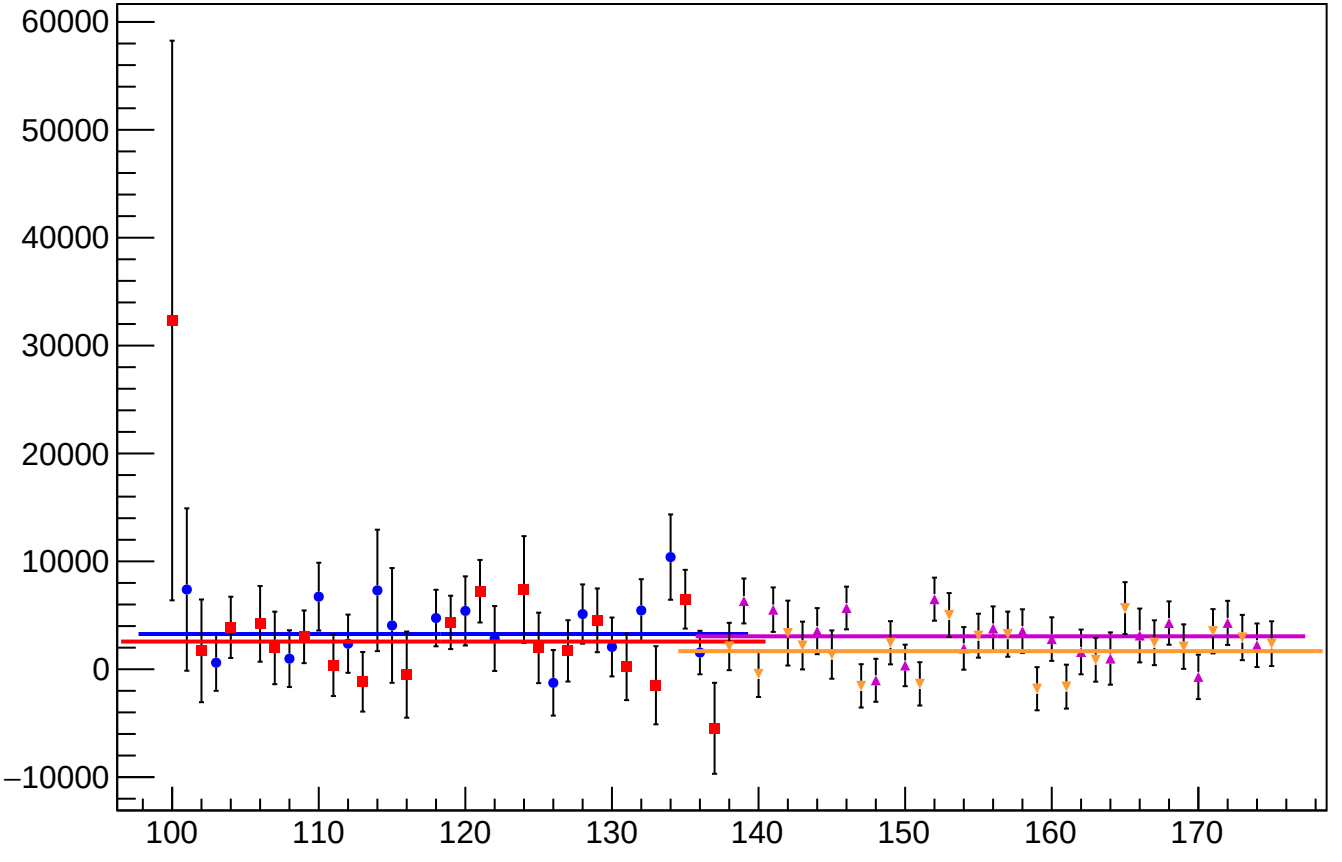
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4397.654+/-0.680 χ^2/NDF:2126953.7/33

Out: 4236.126+/-0.645 χ^2/NDF:2549675.9/38

All: 4312.570+/-0.468 χ^2/NDF: 4706348.3/72

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.076+/-473.198 χ^2/NDF:20.2/19

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3052.878+/-486.274 χ^2/NDF:20.8/17

Left: 2347.258+/-339.130 χ^2/NDF: 45.1/37

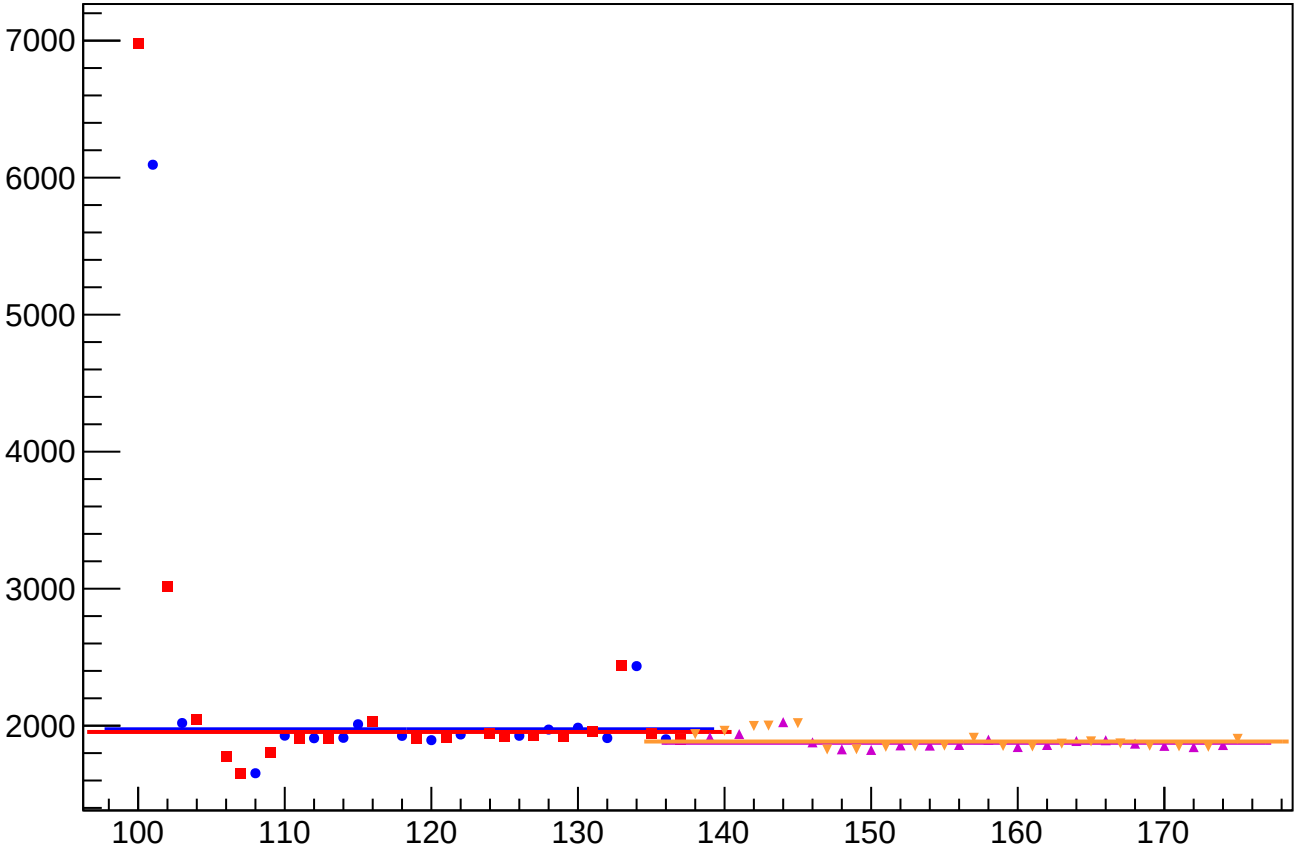
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3115.450+/-408.157 χ^2/NDF:33.0/33

Out: 1939.234+/-397.853 χ^2/NDF:38.2/38

All: 2512.307+/-284.898 χ^2/NDF: 75.5/72

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.6/19

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.0/17

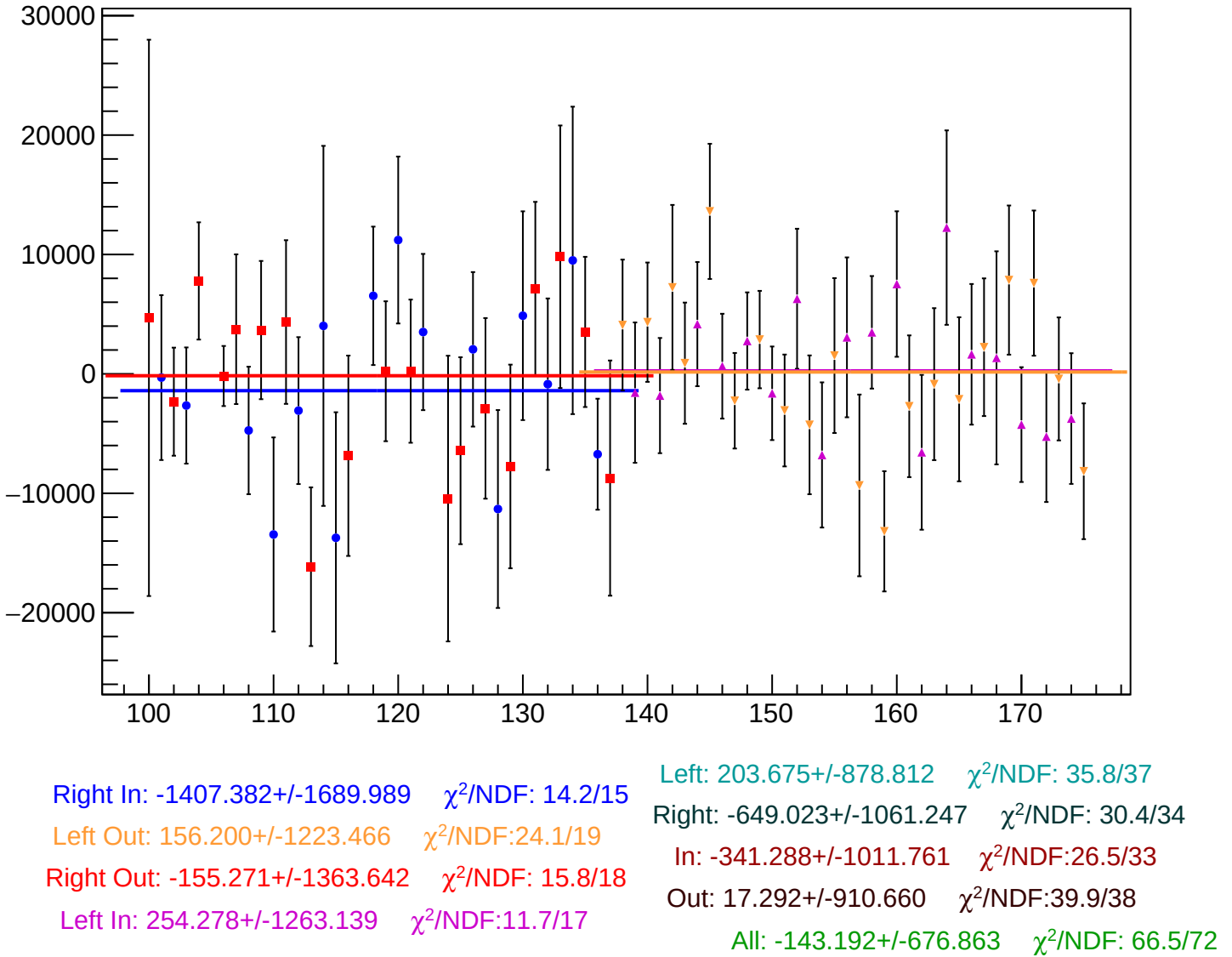
Left: 1880.060+/-0.240 χ^2/NDF: 45870.1/37

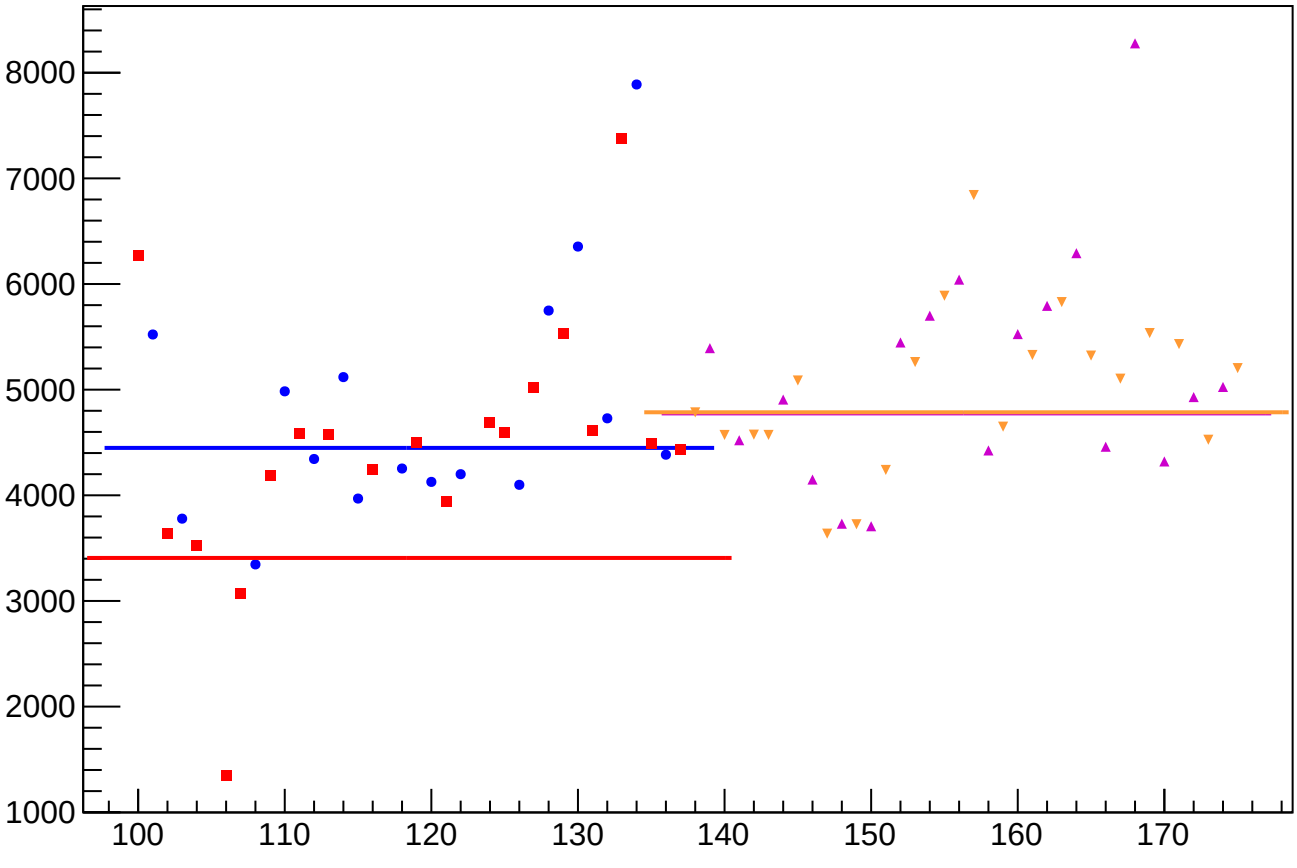
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.411+/-0.289 χ^2/NDF:706918.8/33

Out: 1905.023+/-0.281 χ^2/NDF:286896.3/38

All: 1904.725+/-0.201 χ^2/NDF: 993817.4/72


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 156.200+/-1223.466 χ²/NDF:24.1/19
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 254.278+/-1263.139 χ²/NDF:11.7/17
Left: 203.675+/-878.812 χ²/NDF: 35.8/37
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -341.288+/-1011.761 χ²/NDF:26.5/33
Out: 17.292+/-910.660 χ²/NDF:39.9/38
All: -143.192+/-676.863 χ²/NDF: 66.5/72



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4785.914+/-0.865 χ^2/NDF:716509.4/19

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4775.161+/-0.893 χ^2/NDF:991294.3/17

Left: 4780.709+/-0.621 χ^2/NDF: 1707878.5/37

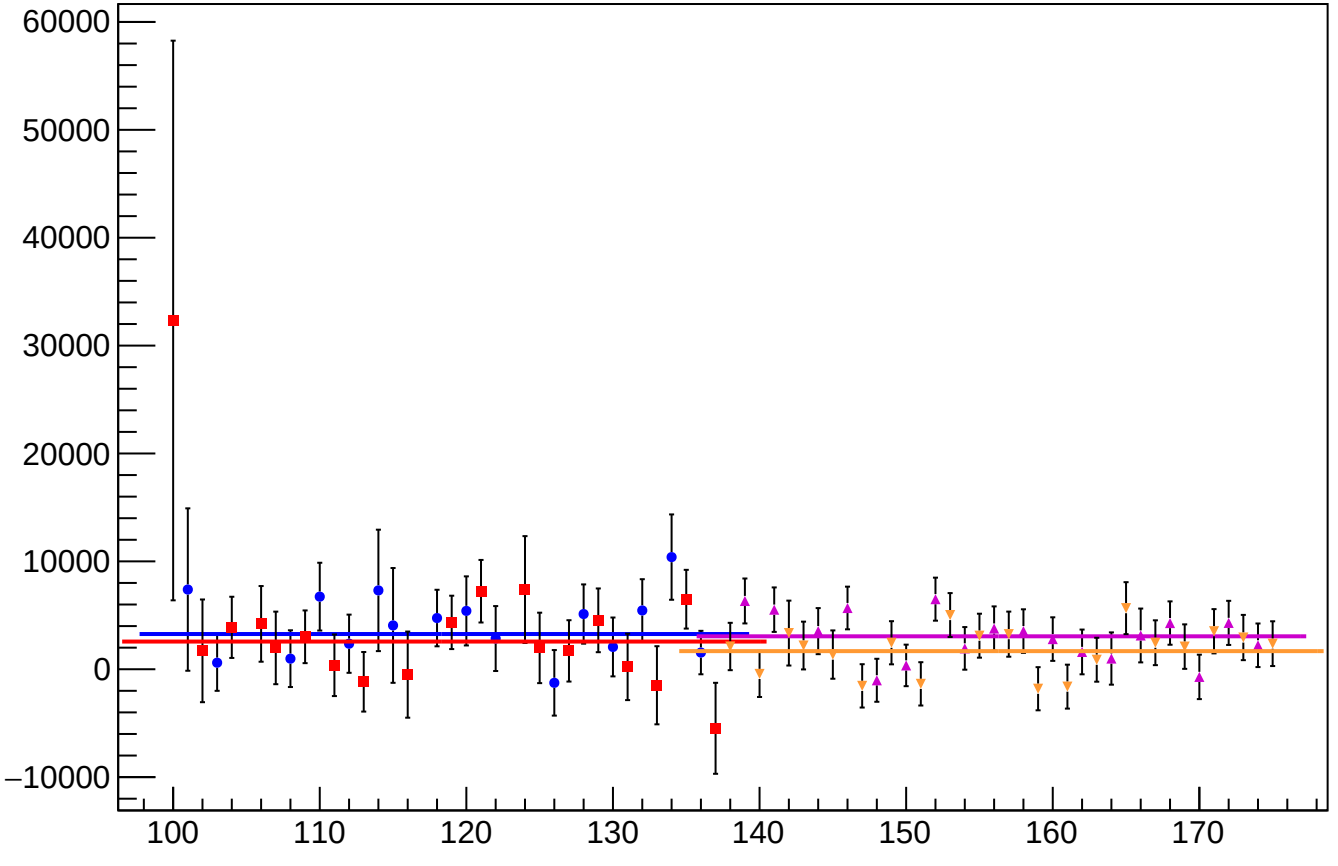
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4658.156+/-0.715 χ^2/NDF:1533787.3/33

Out: 4171.009+/-0.644 χ^2/NDF:4175365.8/38

All: 4389.034+/-0.479 χ^2/NDF: 5965297.0/72

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.070+/-473.199 χ^2/NDF:20.2/19

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3052.880+/-486.275 χ^2/NDF:20.8/17

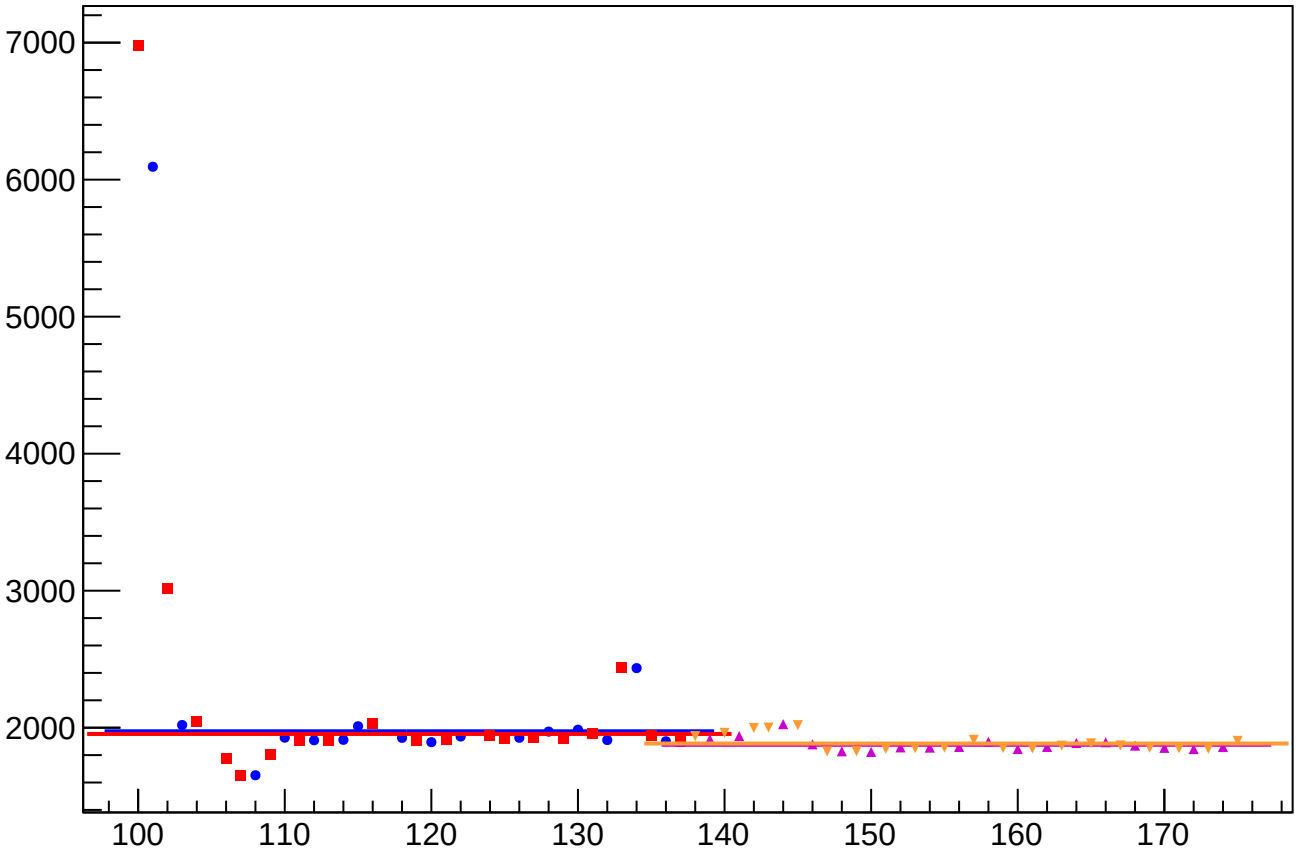
Left: 2347.256+/-339.131 χ^2/NDF: 45.1/37

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3115.452+/-408.157 χ^2/NDF:33.0/33

Out: 1939.232+/-397.853 χ^2/NDF:38.2/38

All: 2512.307+/-284.898 χ^2/NDF: 75.5/72



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.7/19

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.1/17

Left: 1880.061+/-0.240 χ^2/NDF: 45870.3/37

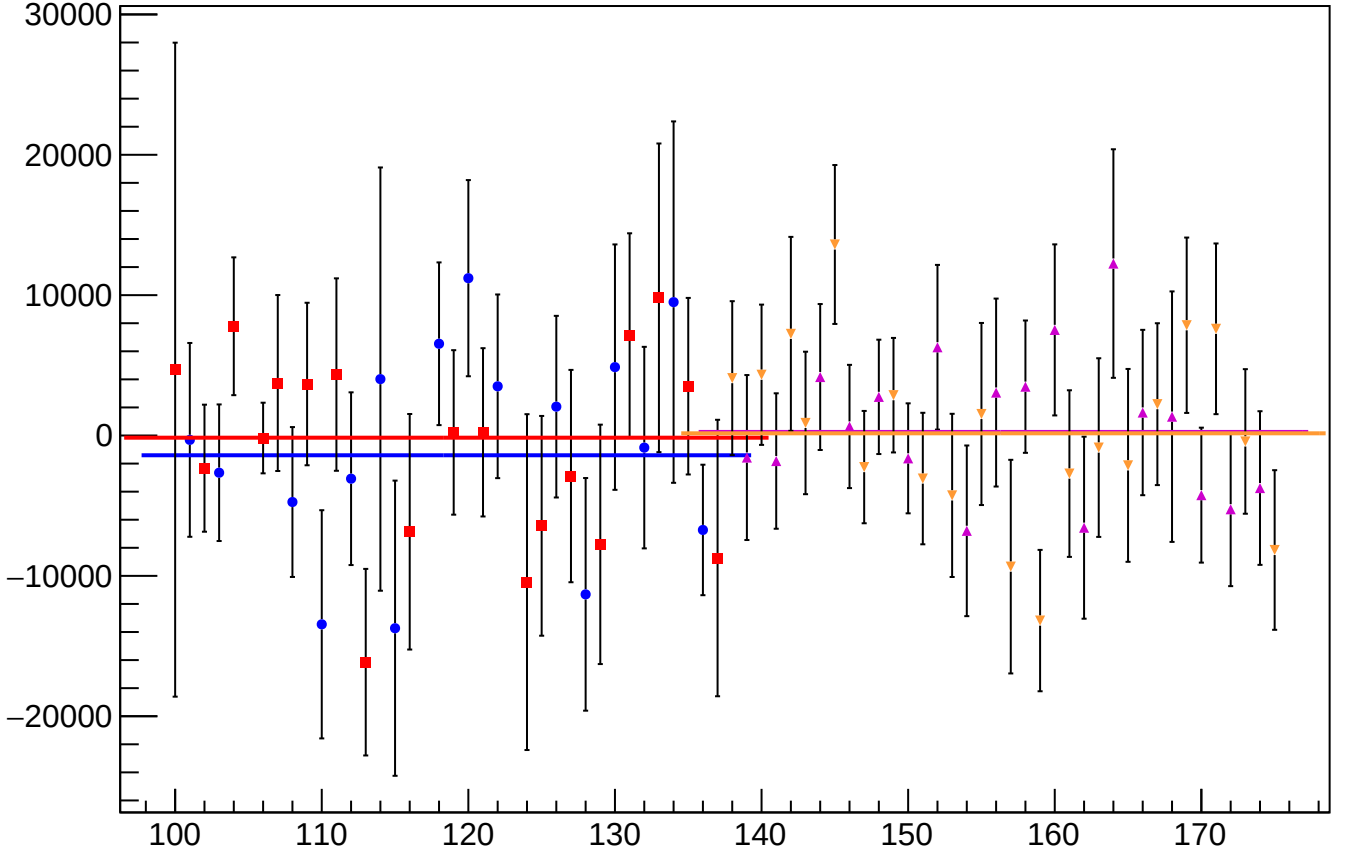
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.411+/-0.289 χ^2/NDF:706918.3/33

Out: 1905.024+/-0.281 χ^2/NDF:286895.5/38

All: 1904.725+/-0.201 χ^2/NDF: 993816.1/72

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 156.198+/-1223.468 χ^2/NDF:24.1/19

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 254.276+/-1263.141 χ^2/NDF:11.7/17

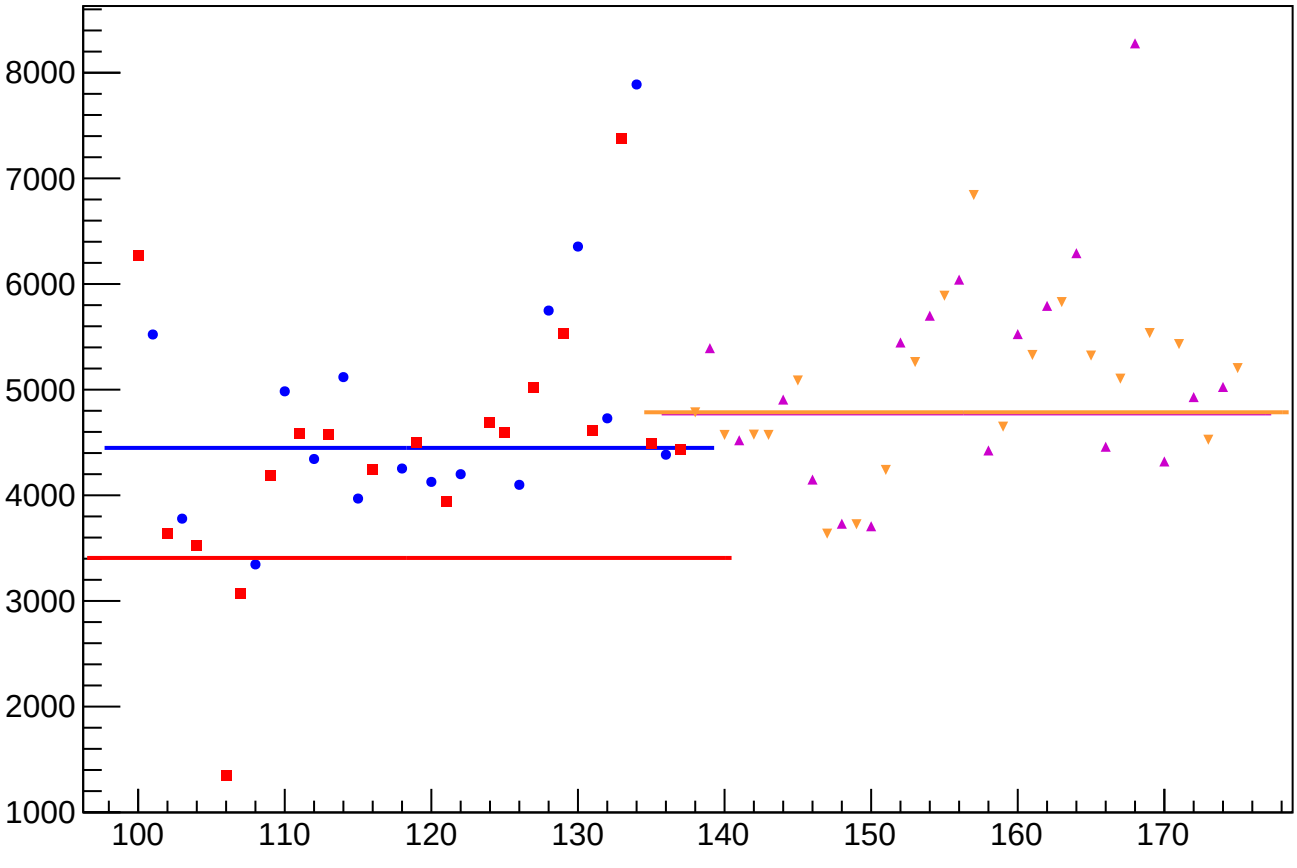
Left: 203.673+/-878.813 χ^2/NDF: 35.8/37

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -341.285+/-1011.761 χ^2/NDF:26.5/33

Out: 17.289+/-910.660 χ^2/NDF:39.9/38

All: -143.192+/-676.863 χ^2/NDF: 66.5/72



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4785.922+/-0.865 χ^2/NDF:716509.1/19

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4775.168+/-0.893 χ^2/NDF:991294.5/17

Left: 4780.716+/-0.621 χ^2/NDF: 1707878.4/37

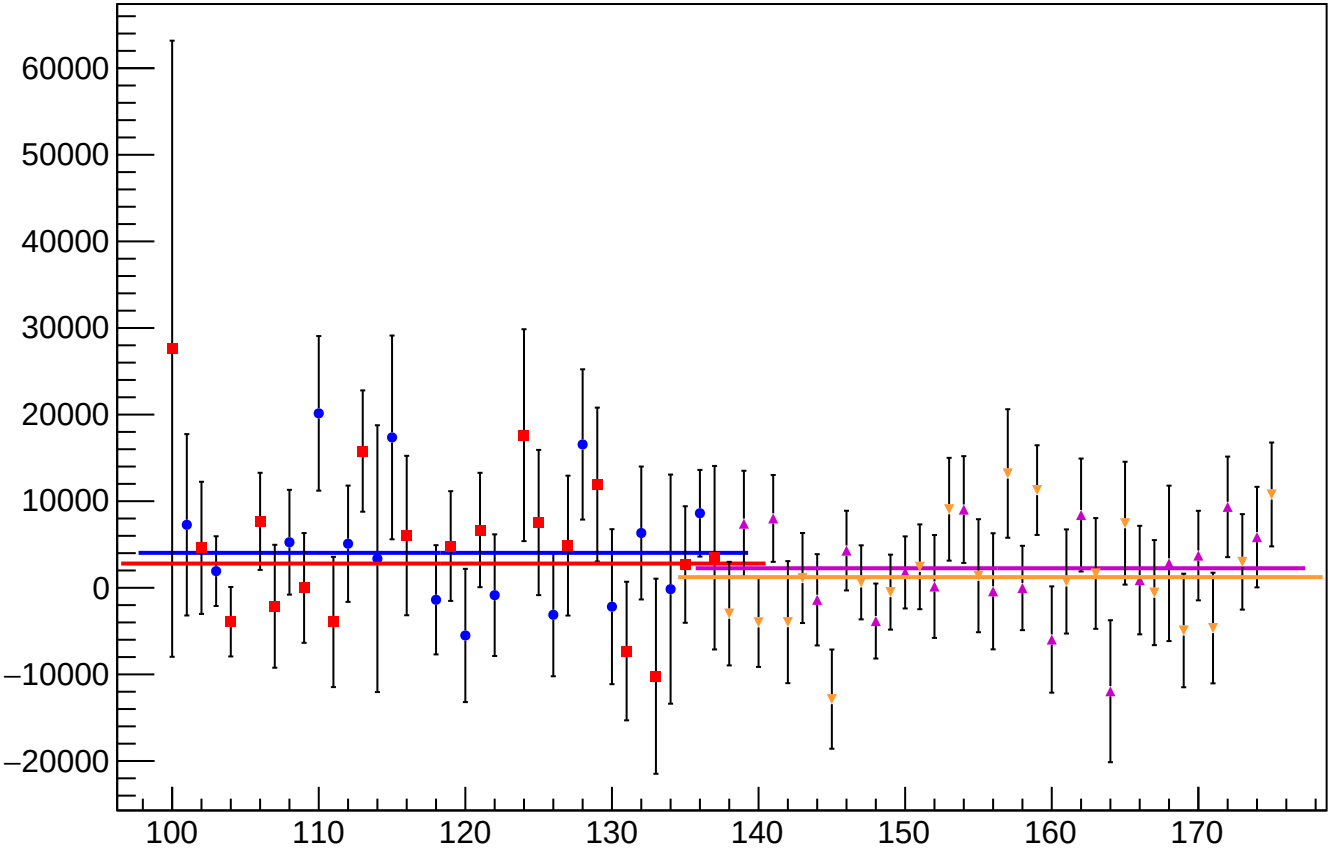
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4658.157+/-0.715 χ^2/NDF:1533788.8/33

Out: 4171.007+/-0.644 χ^2/NDF:4175396.3/38

All: 4389.033+/-0.479 χ^2/NDF: 5965332.6/72

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1229.184+/-1272.079 χ^2/NDF:21.7/19

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2258.996+/-1313.519 χ^2/NDF:14.1/17

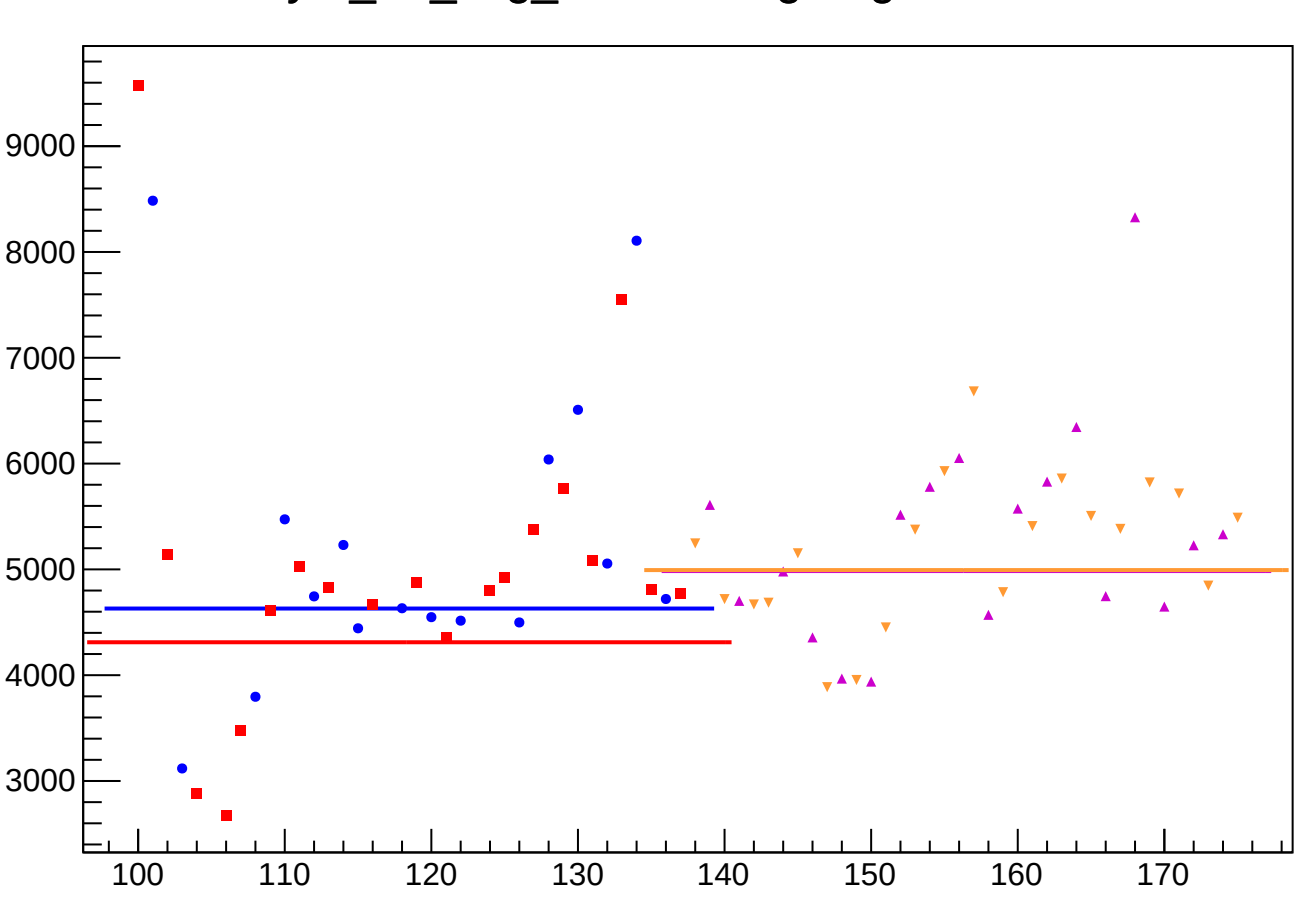
Left: 1727.590+/-913.795 χ^2/NDF: 36.1/37

Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2884.069+/-1057.330 χ^2/NDF:27.1/33

Out: 1805.334+/-1012.357 χ^2/NDF:37.7/38

All: 2321.273+/-731.227 χ^2/NDF: 65.3/72



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4993.314+/-0.899 χ^2/NDF:589408.7/19

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4984.173+/-0.929 χ^2/NDF:822380.5/17

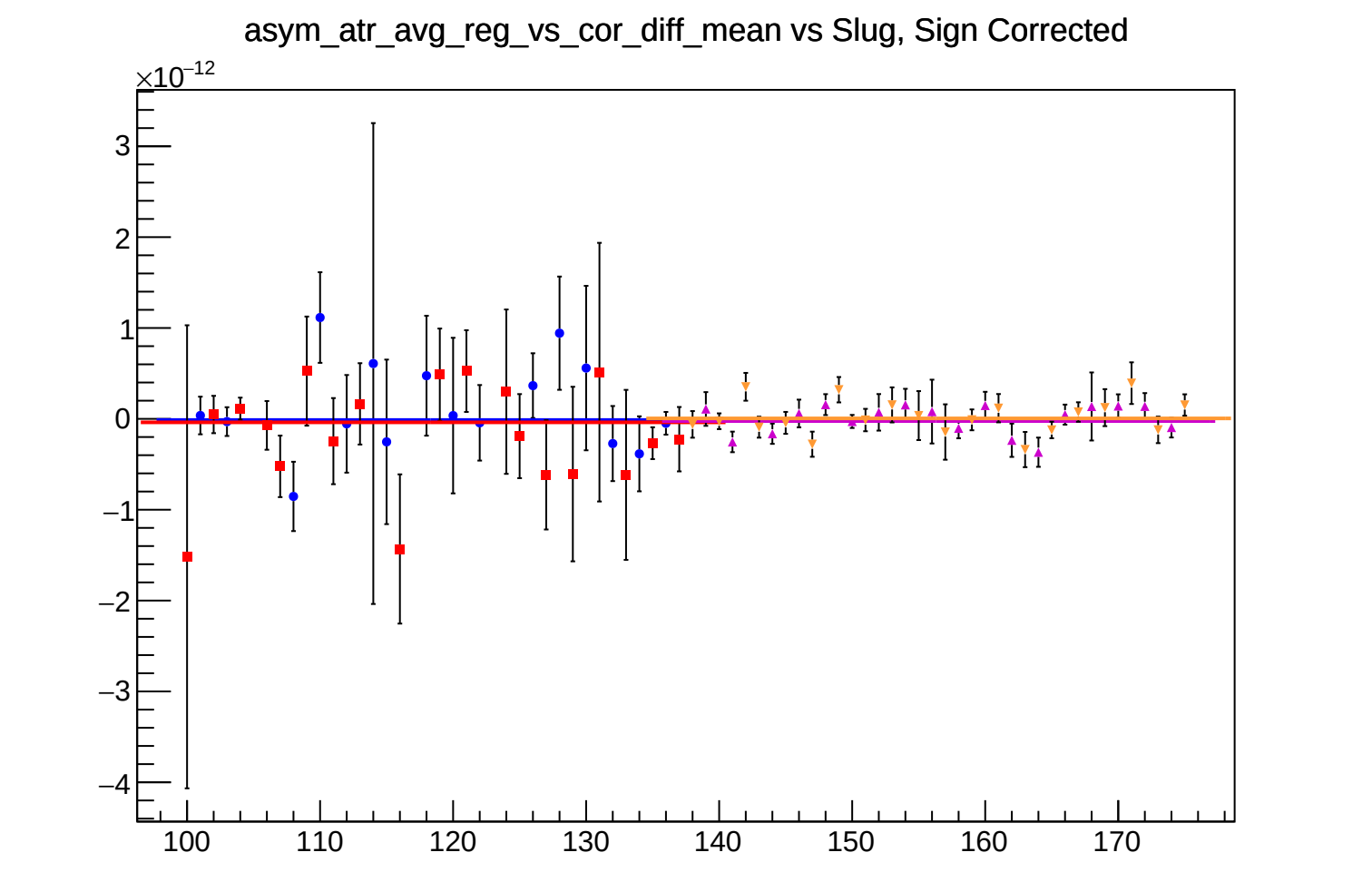
Left: 4988.890+/-0.646 χ^2/NDF: 1411839.1/37

Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4859.478+/-0.748 χ^2/NDF:1773825.5/33

Out: 4740.460+/-0.714 χ^2/NDF:1707311.3/38

All: 4797.194+/-0.516 χ^2/NDF: 3494398.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/17

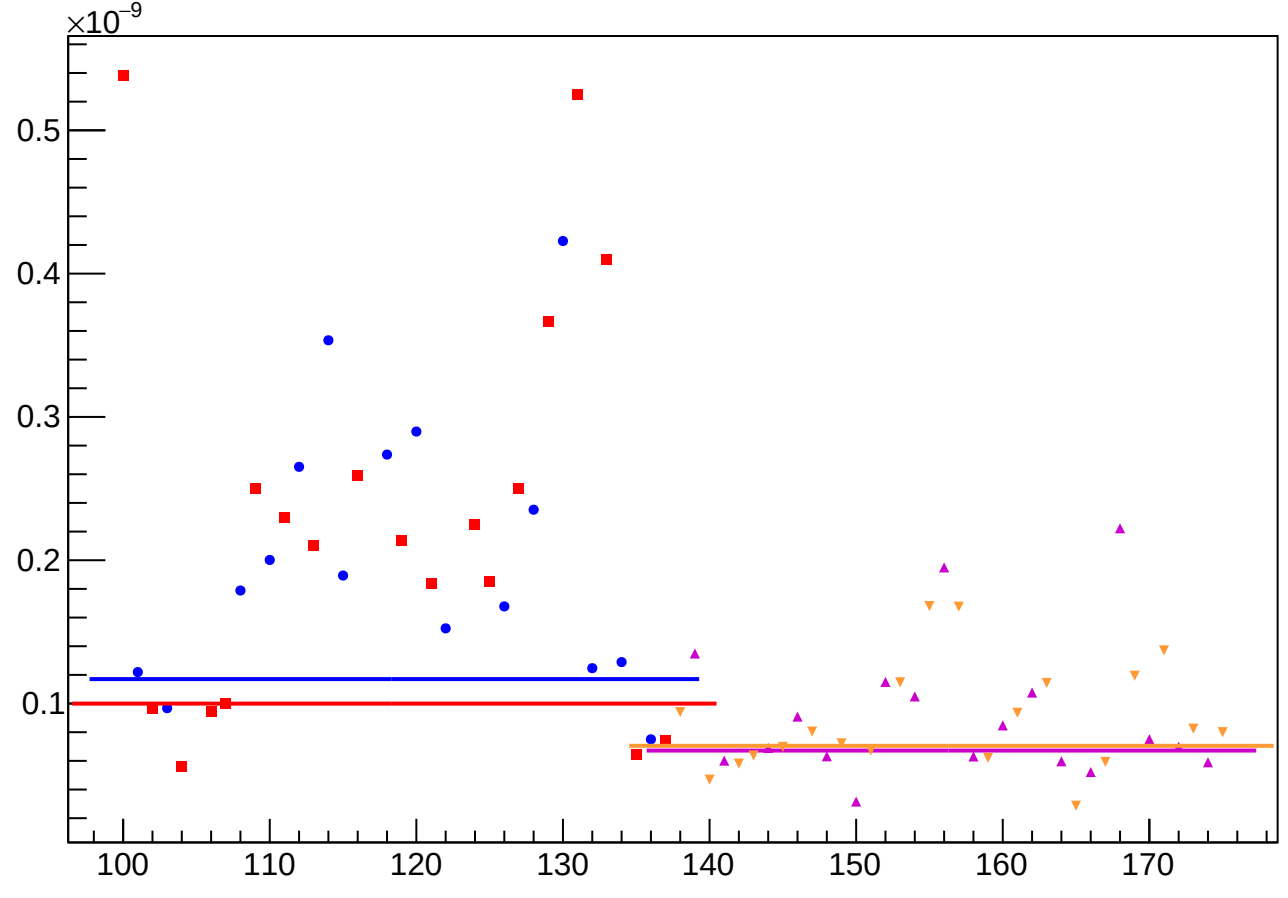
Left: -0.000+/-0.000 χ^2/NDF: 50.5/37

Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:37.8/33

Out: -0.000+/-0.000 χ^2/NDF:43.4/38

All: -0.000+/-0.000 χ^2/NDF: 81.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1713645.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1816717.5/17

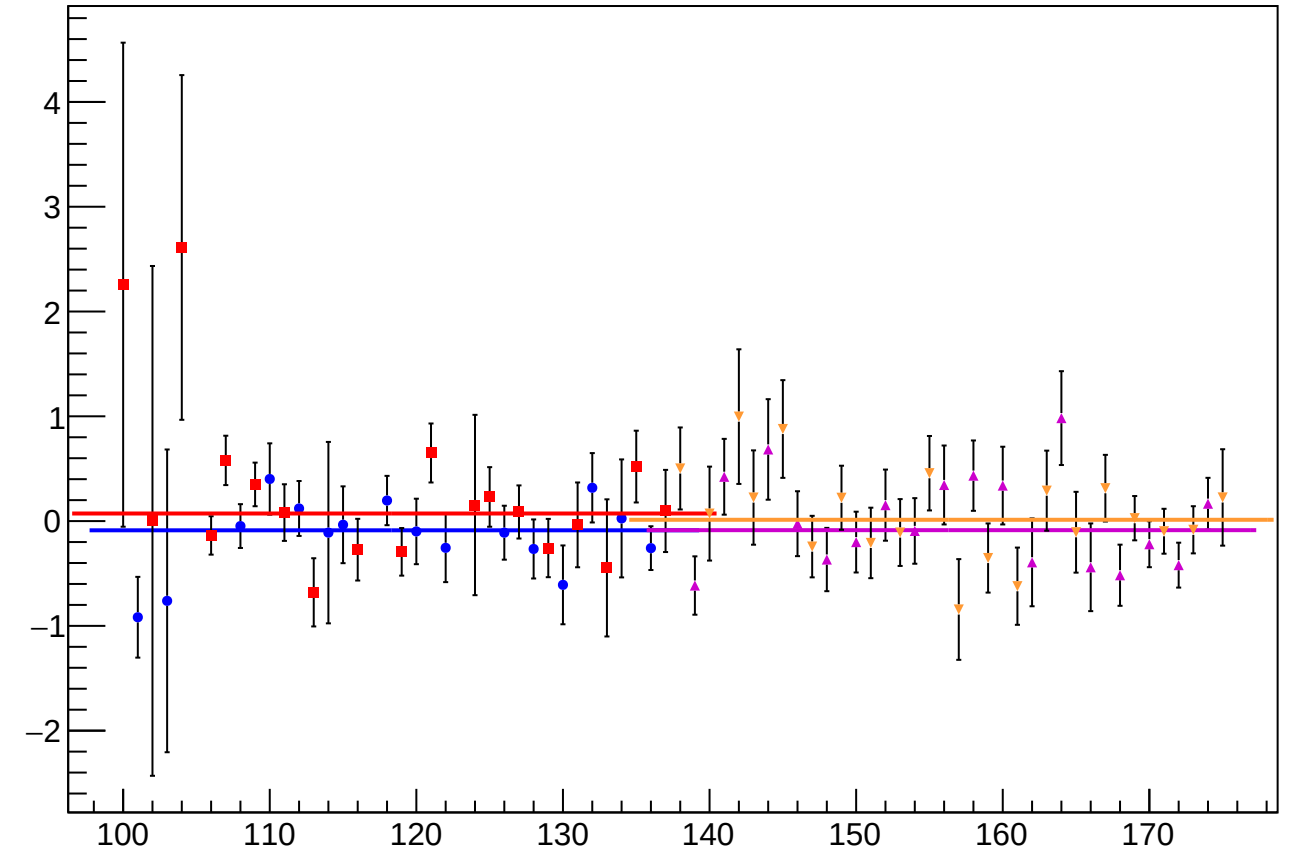
Left: 0.000+/-0.000 χ^2/NDF: 3542118.9/37

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3665089.4/33

Out: 0.000+/-0.000 χ^2/NDF:3837937.2/38

All: 0.000+/-0.000 χ^2/NDF: 7503253.1/72



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

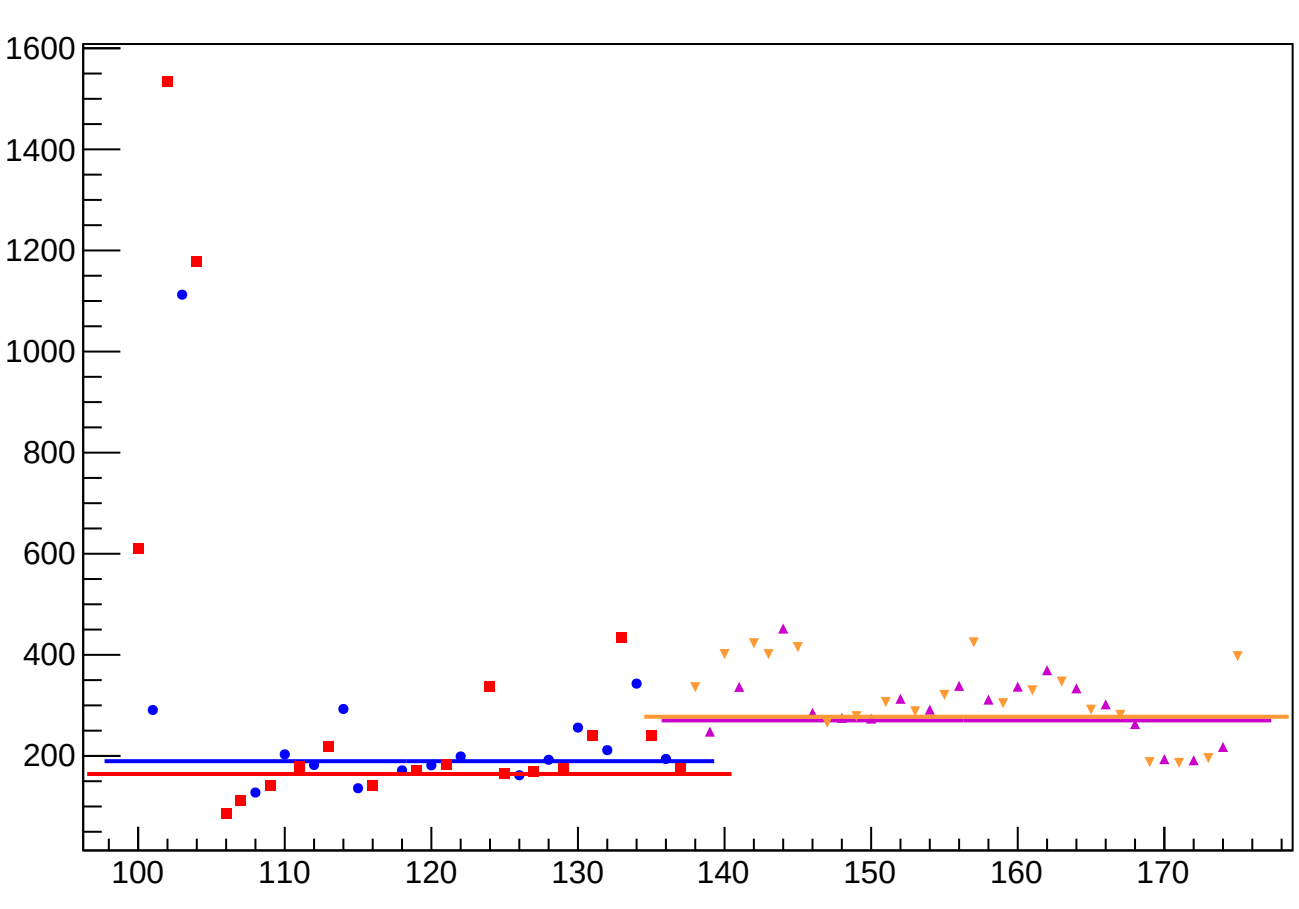
Left: -0.037+/-0.052 χ^2/NDF: 49.1/37

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.037 χ^2/NDF: 94.3/72



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 270.301+/-0.052 χ^2/NDF:1344329.3/17

Left: 273.905+/-0.037 χ^2/NDF: 3463428.9/37

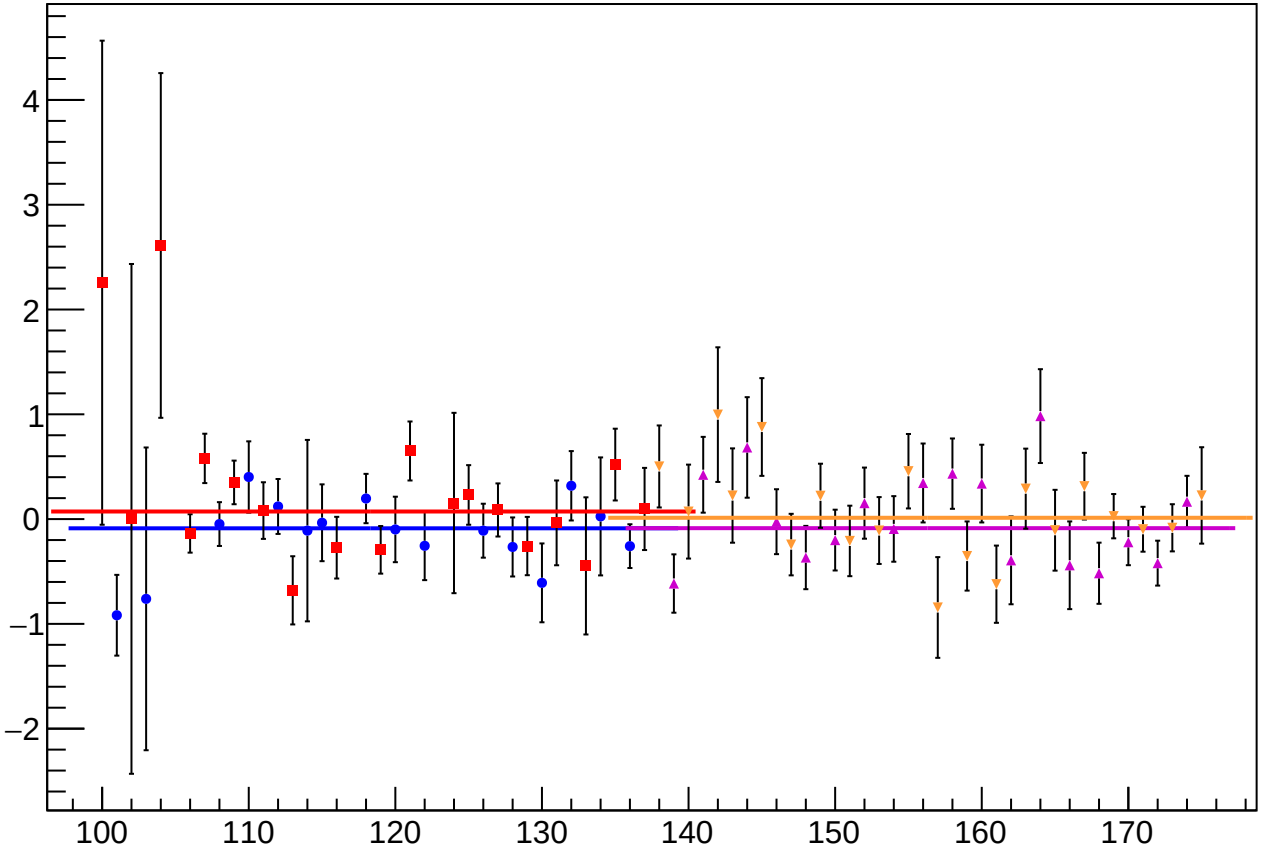
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 231.960+/-0.037 χ^2/NDF:3968727.5/33

Out: 218.199+/-0.036 χ^2/NDF:7244164.8/38

All: 224.782+/-0.026 χ^2/NDF: 11283417.2/72

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

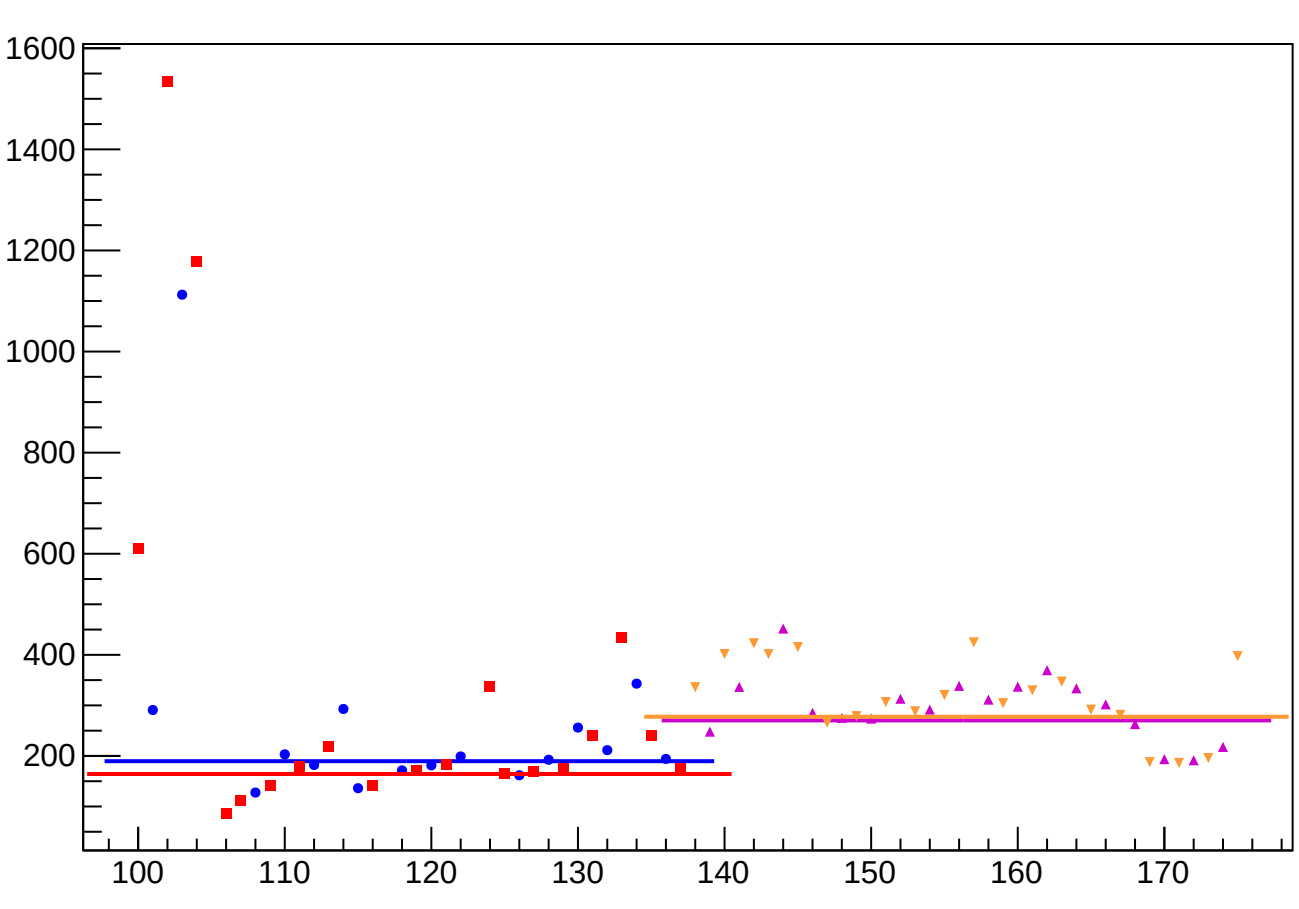
Left: -0.037+/-0.052 χ^2/NDF: 49.1/37

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.037 χ^2/NDF: 94.3/72



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 270.301+/-0.052 χ^2/NDF:1344329.3/17

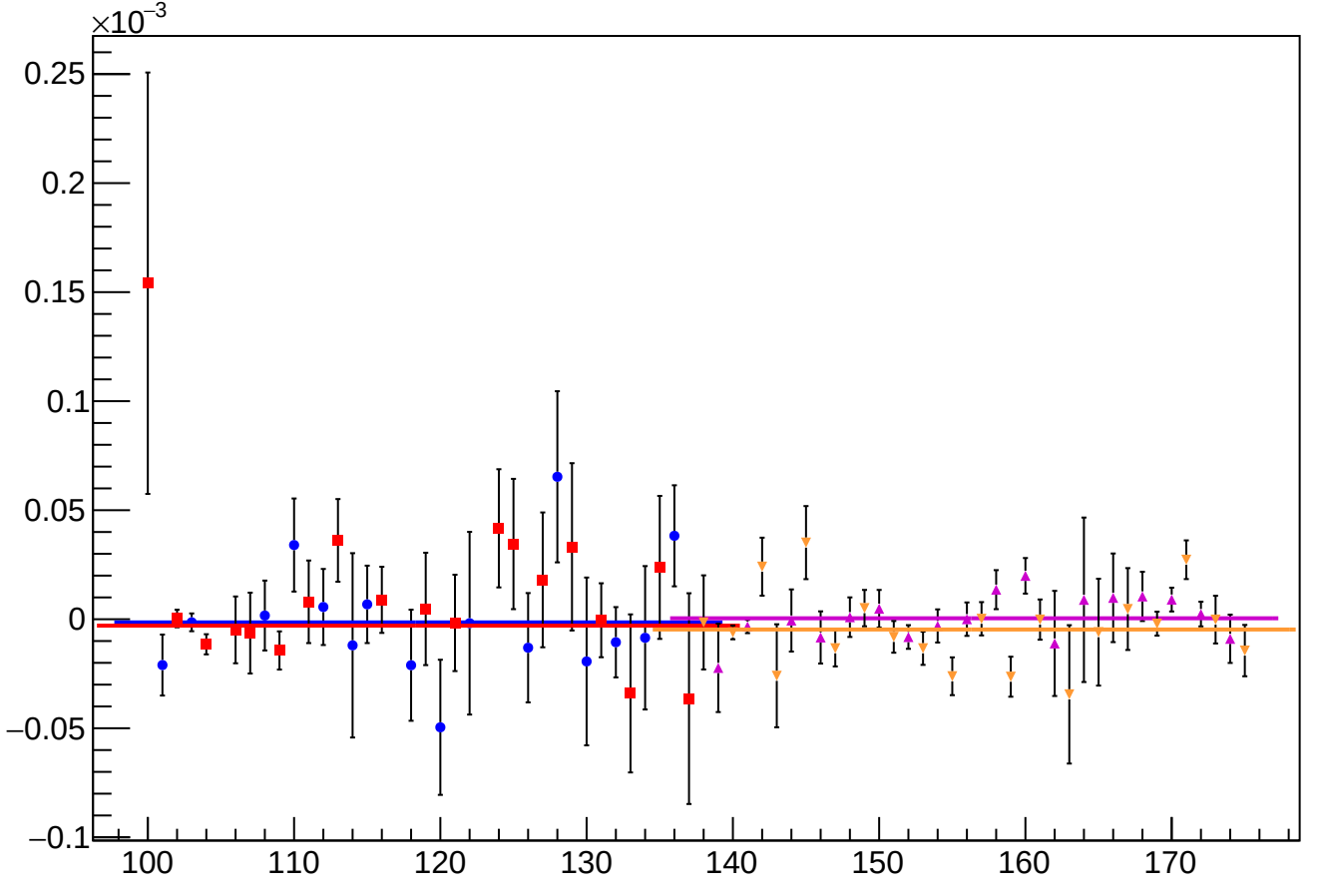
Left: 273.905+/-0.037 χ^2/NDF: 3463428.9/37

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 231.960+/-0.037 χ^2/NDF:3968727.5/33

Out: 218.199+/-0.036 χ^2/NDF:7244164.8/38

All: 224.782+/-0.026 χ^2/NDF: 11283417.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/17

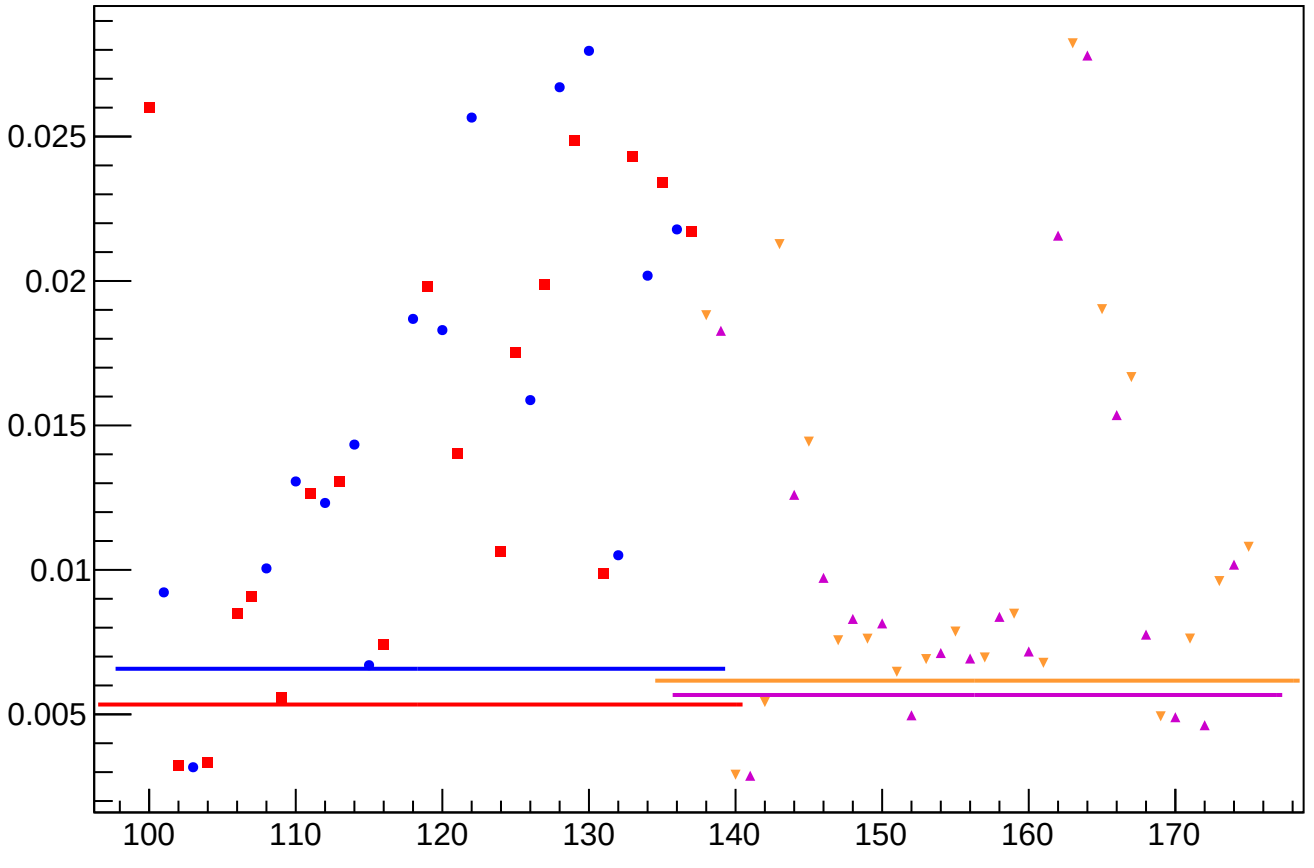
Left: -0.000+/-0.000 χ^2/NDF: 65.8/37

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:33.8/33

Out: -0.000+/-0.000 χ^2/NDF:64.5/38

All: -0.000+/-0.000 χ^2/NDF: 102.0/72



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:7288104.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6414781.0/17

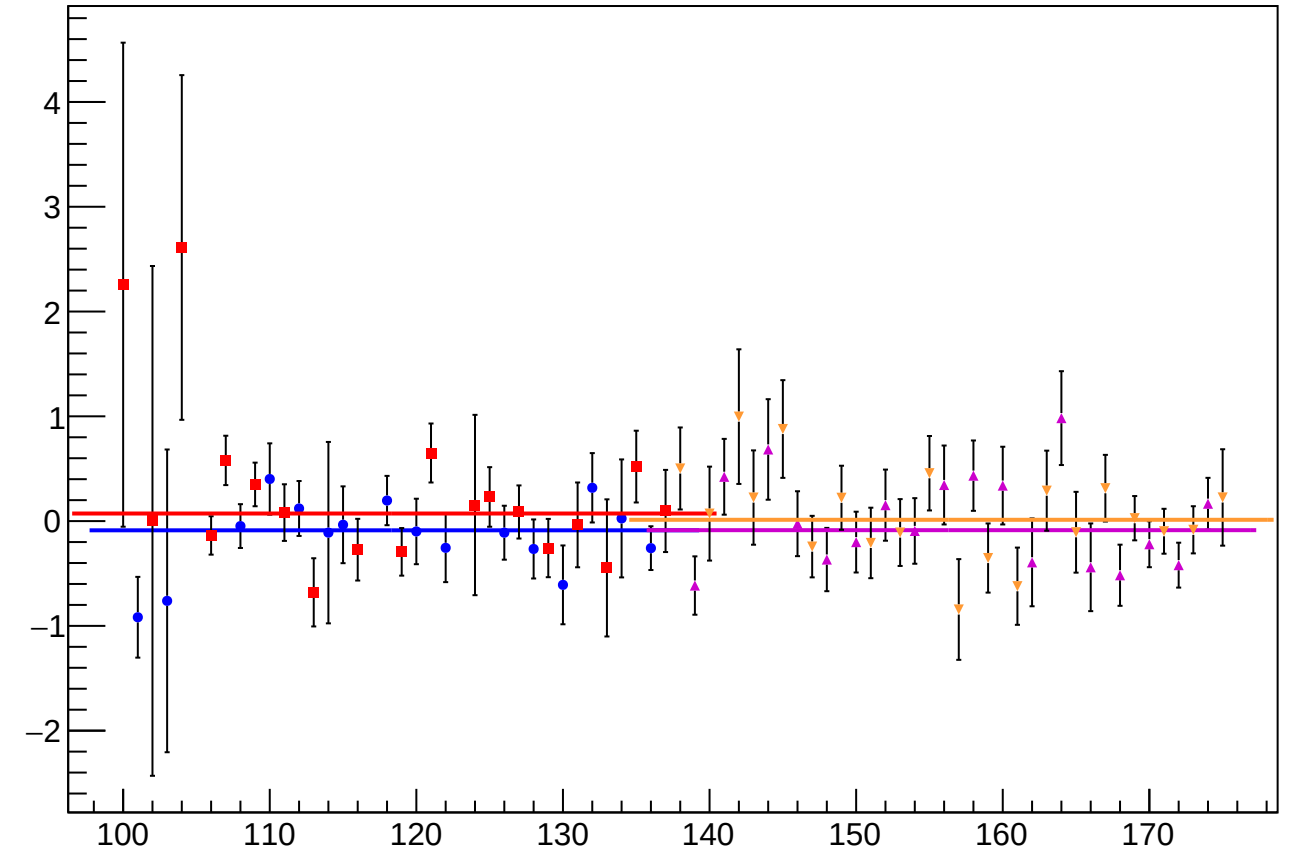
Left: 0.006+/-0.000 χ^2/NDF: 13779761.4/37

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12460164.1/33

Out: 0.006+/-0.000 χ^2/NDF:13111504.3/38

All: 0.006+/-0.000 χ^2/NDF: 25571843.2/72



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

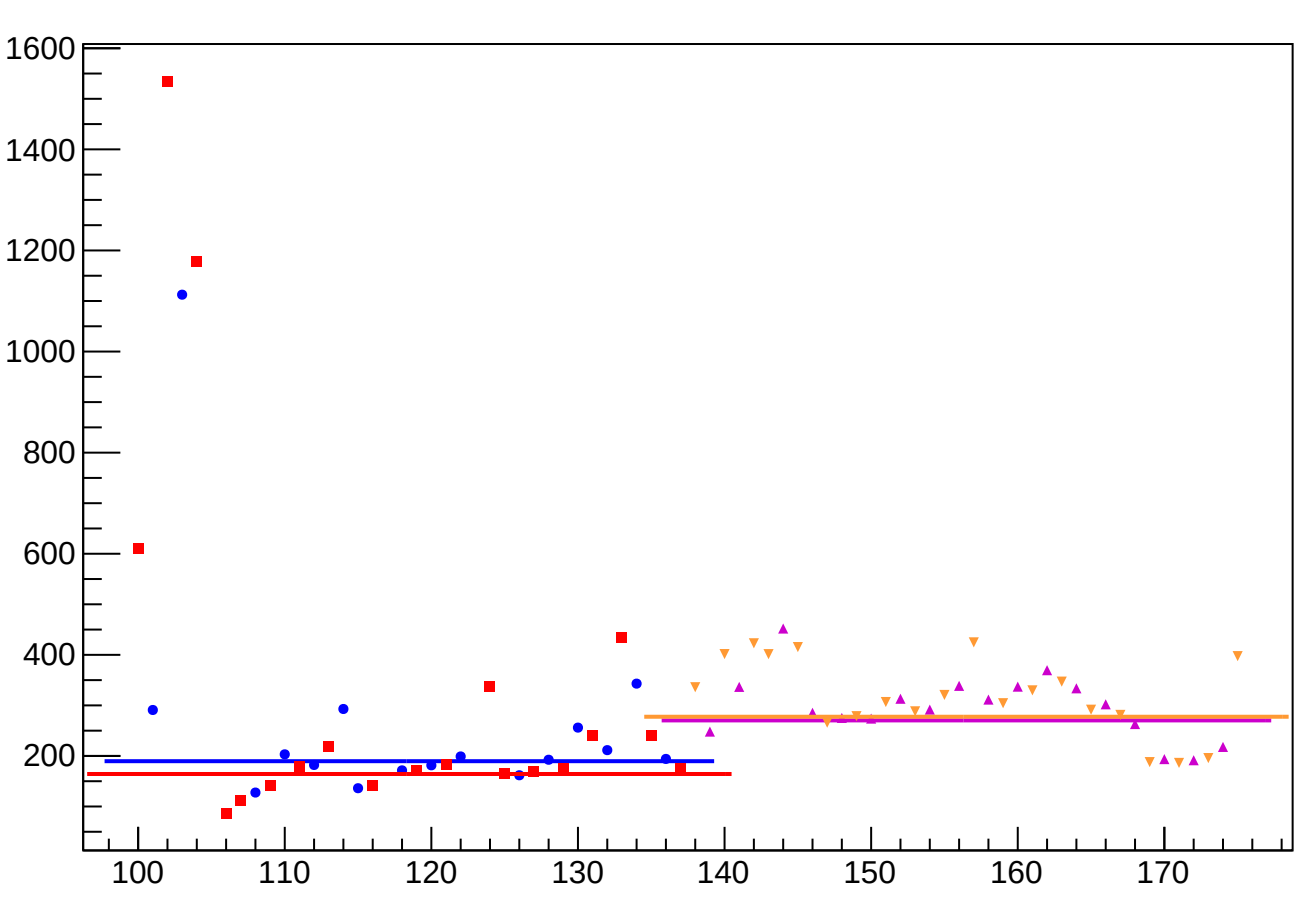
Left: -0.037+/-0.052 χ^2/NDF: 49.1/37

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.037 χ^2/NDF: 94.3/72



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.551+/-0.052 χ^2/NDF:2109399.6/19

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

Left: 273.908+/-0.037 χ^2/NDF: 3463563.7/37

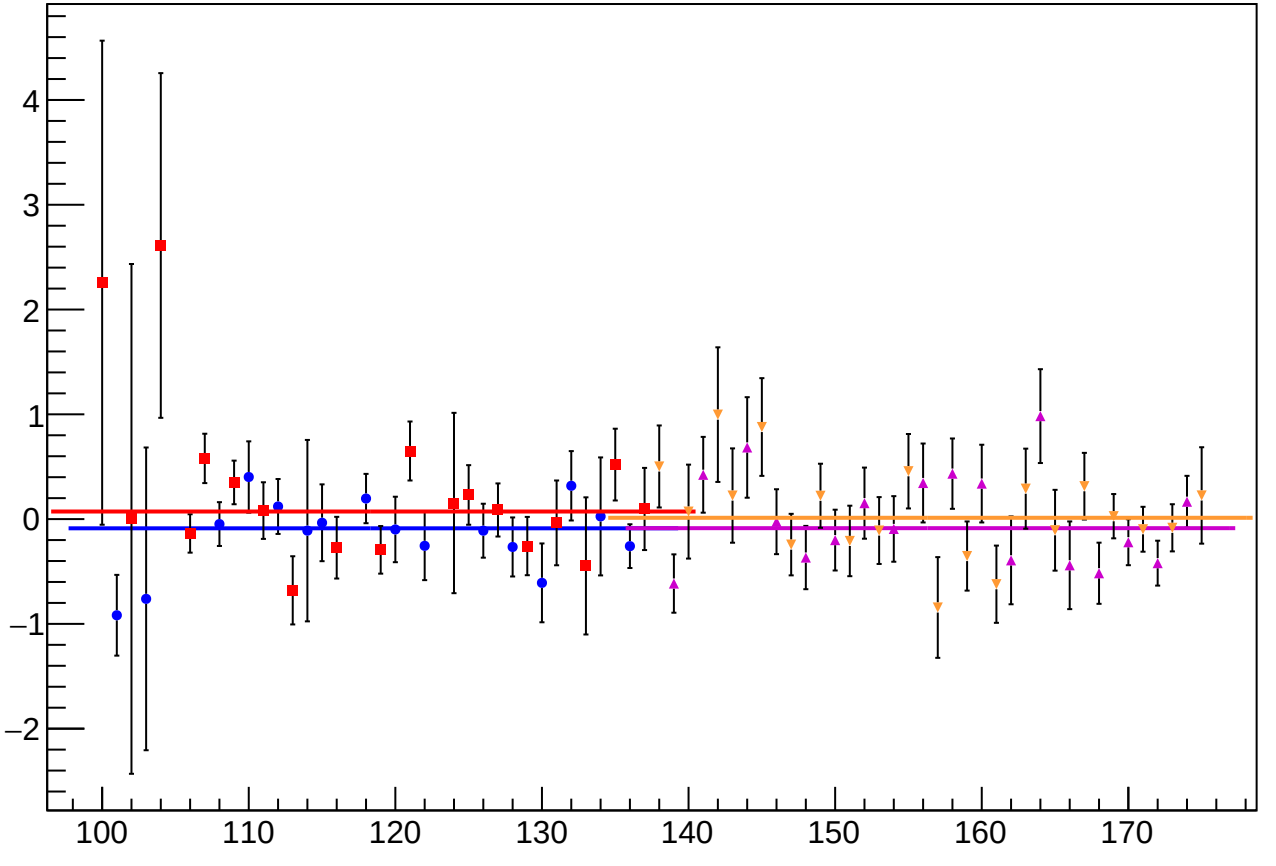
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.960+/-0.037 χ^2/NDF:3968857.3/33

Out: 218.199+/-0.036 χ^2/NDF:7244349.1/38

All: 224.782+/-0.026 χ^2/NDF: 11283737.6/72

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

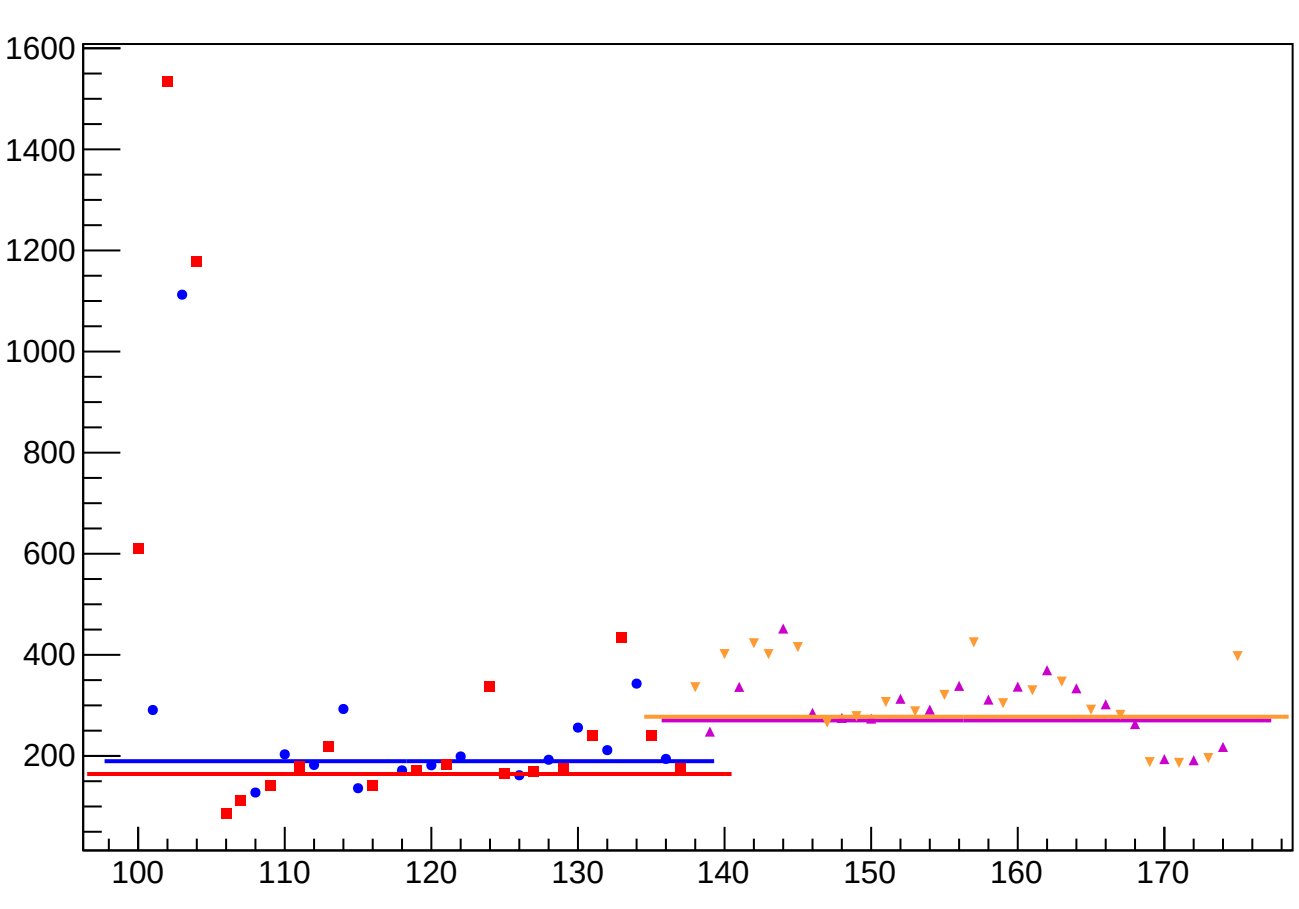
Left: -0.037+/-0.052 χ^2/NDF: 49.1/37

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.037 χ^2/NDF: 94.3/72



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.551+/-0.052 χ^2/NDF:2109399.6/19

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

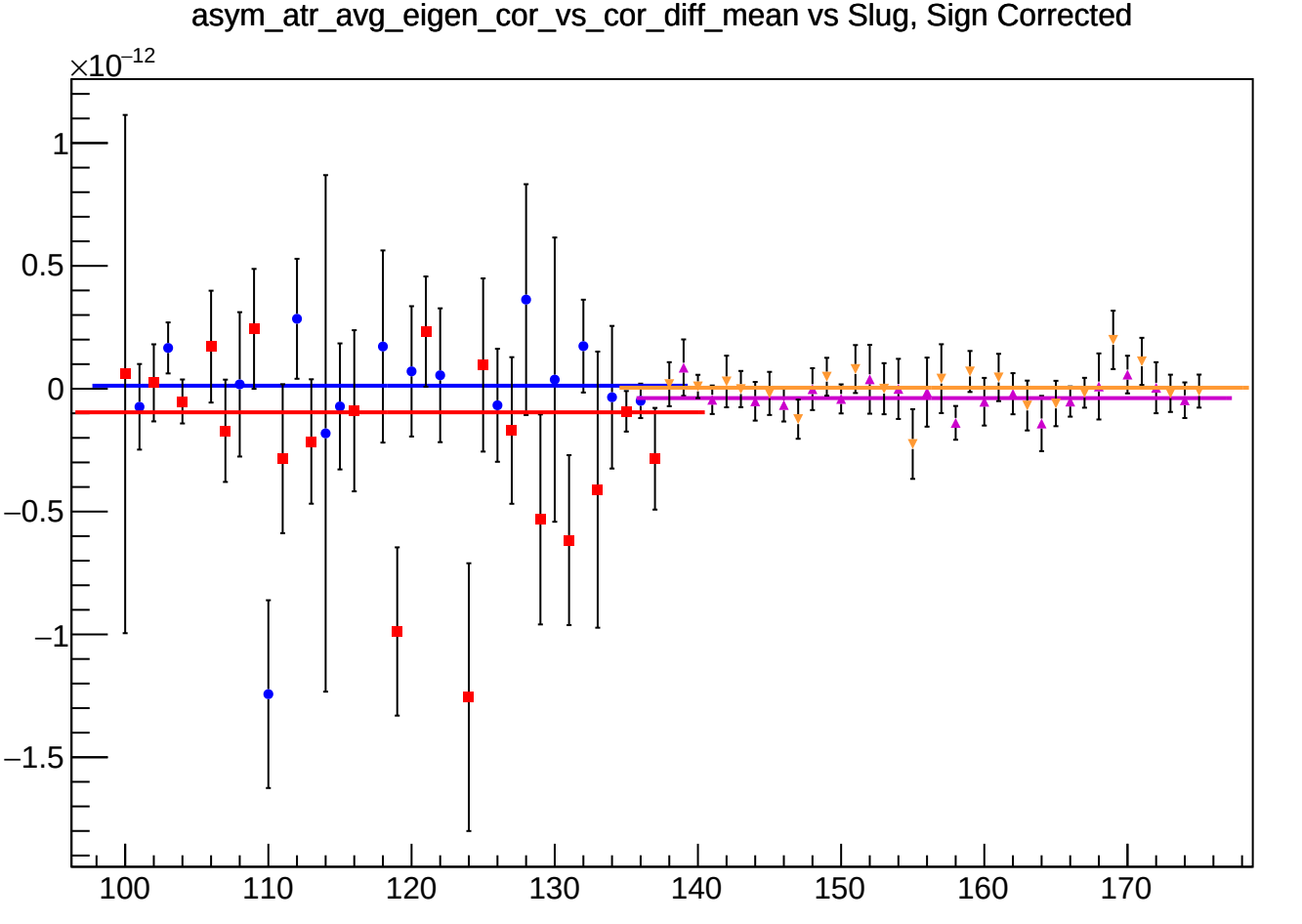
Left: 273.908+/-0.037 χ^2/NDF: 3463563.7/37

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.960+/-0.037 χ^2/NDF:3968857.3/33

Out: 218.199+/-0.036 χ^2/NDF:7244349.1/38

All: 224.782+/-0.026 χ^2/NDF: 11283737.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/17

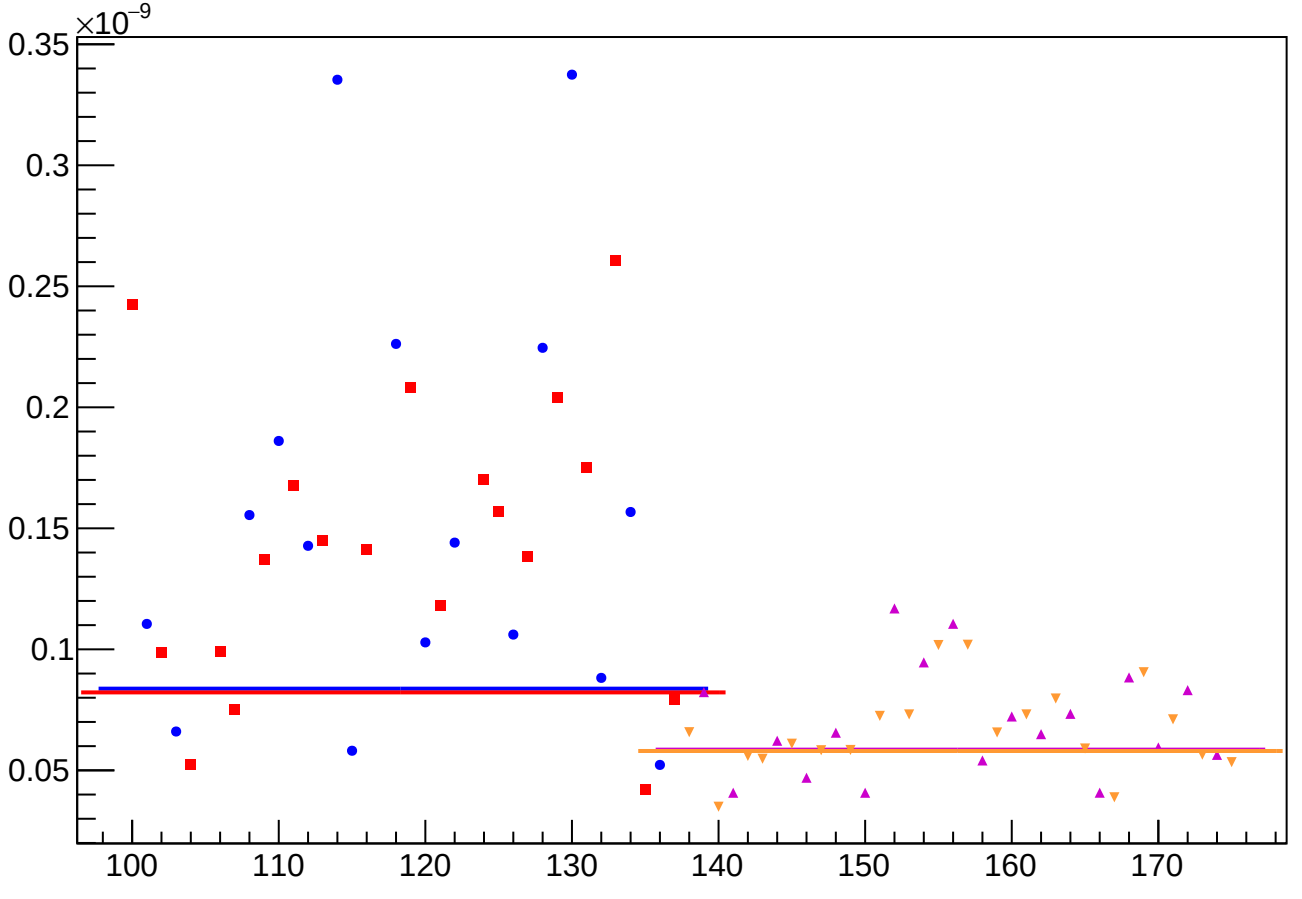
Left: -0.000+/-0.000 χ^2/NDF: 21.8/37

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:25.1/33

Out: -0.000+/-0.000 χ^2/NDF:39.8/38

All: -0.000+/-0.000 χ^2/NDF: 65.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521046.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1801153.2/17

Left: 0.000+/-0.000 χ^2/NDF: 3323049.8/37

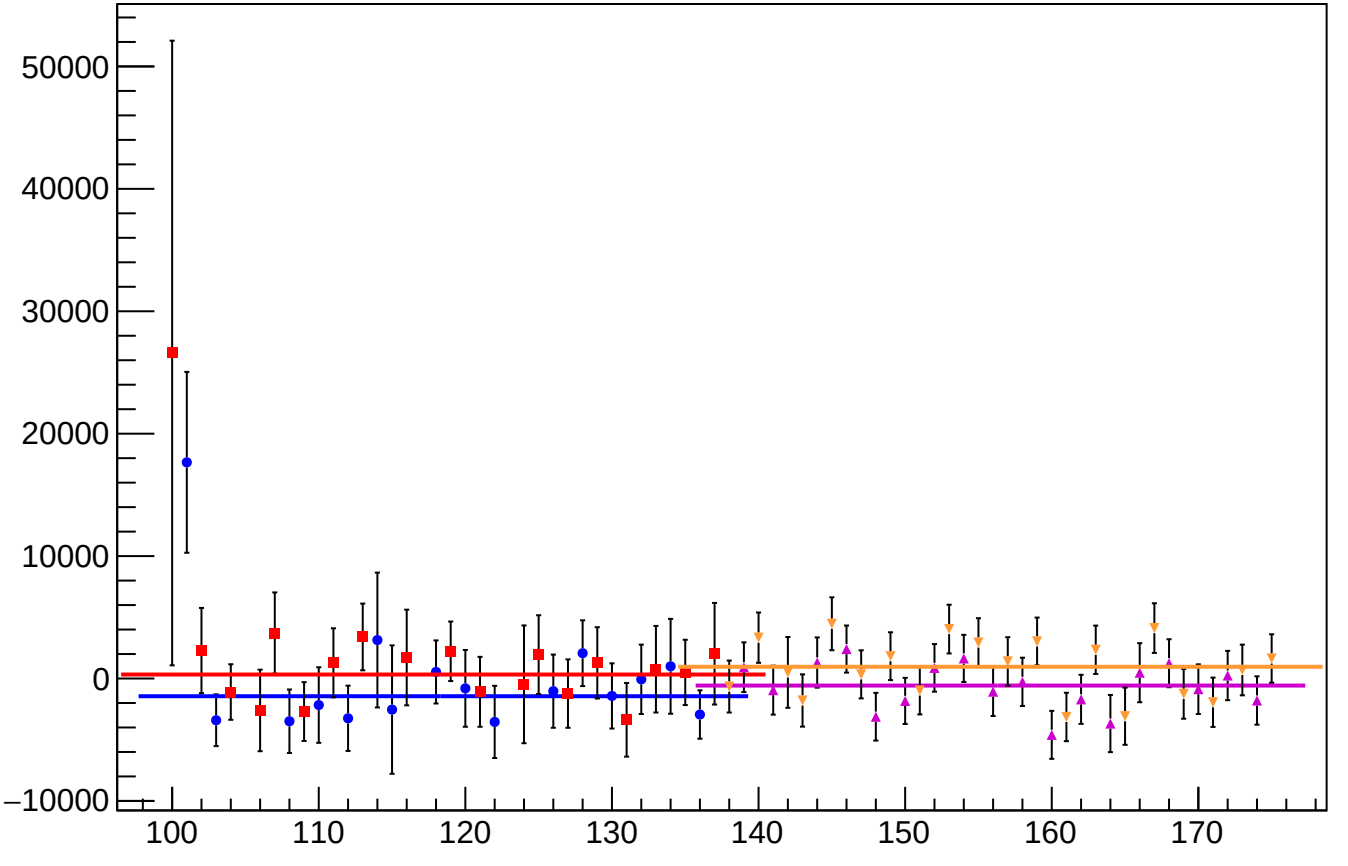
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4428039.6/33

Out: 0.000+/-0.000 χ^2/NDF:4292372.1/38

All: 0.000+/-0.000 χ^2/NDF: 8722875.2/72

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.318+/-459.461 χ^2/NDF:25.7/19

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -574.580+/-473.579 χ^2/NDF:15.9/17

Left: 214.544+/-329.766 χ^2/NDF: 46.9/37

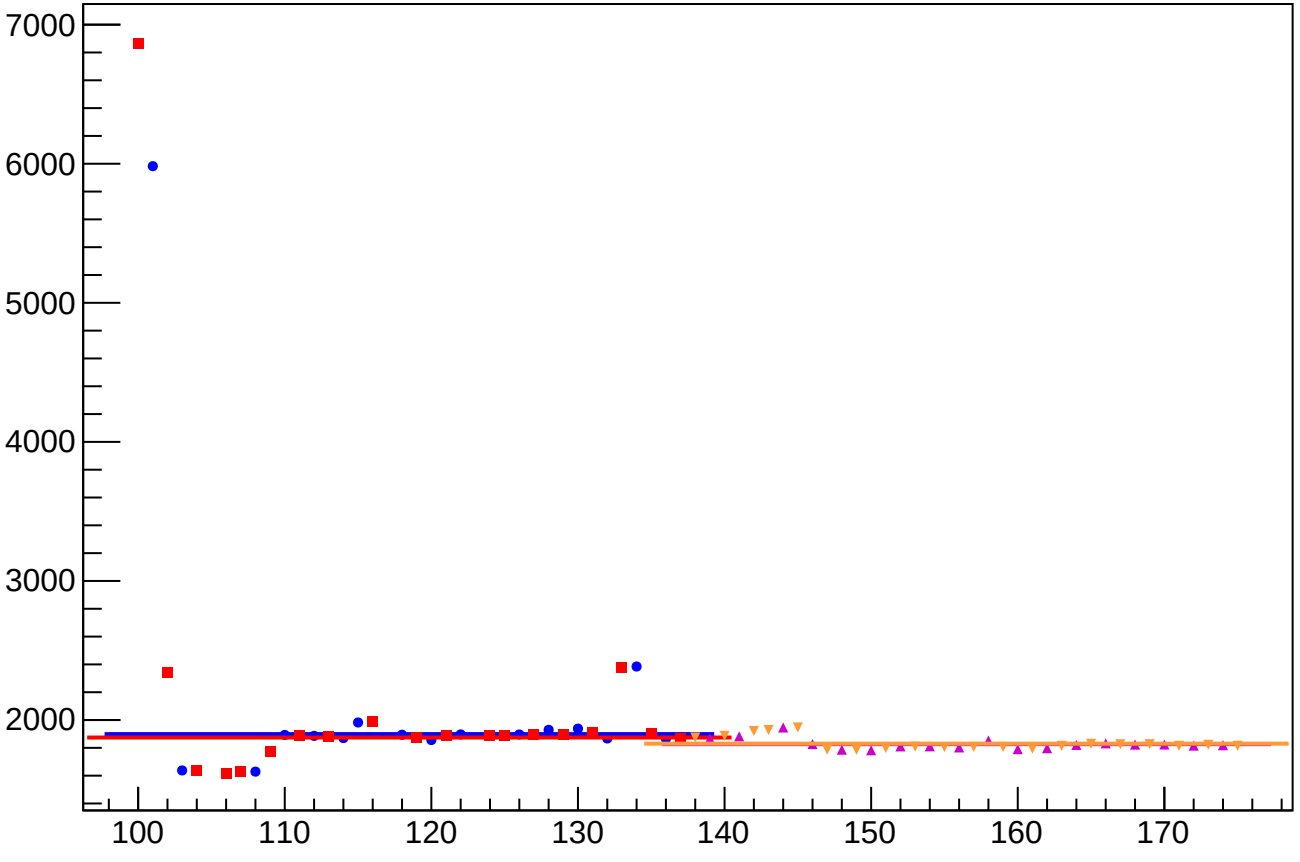
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -836.304+/-396.182 χ^2/NDF:30.4/33

Out: 768.201+/-384.546 χ^2/NDF:36.2/38

All: -10.143+/-275.937 χ^2/NDF: 75.0/72

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

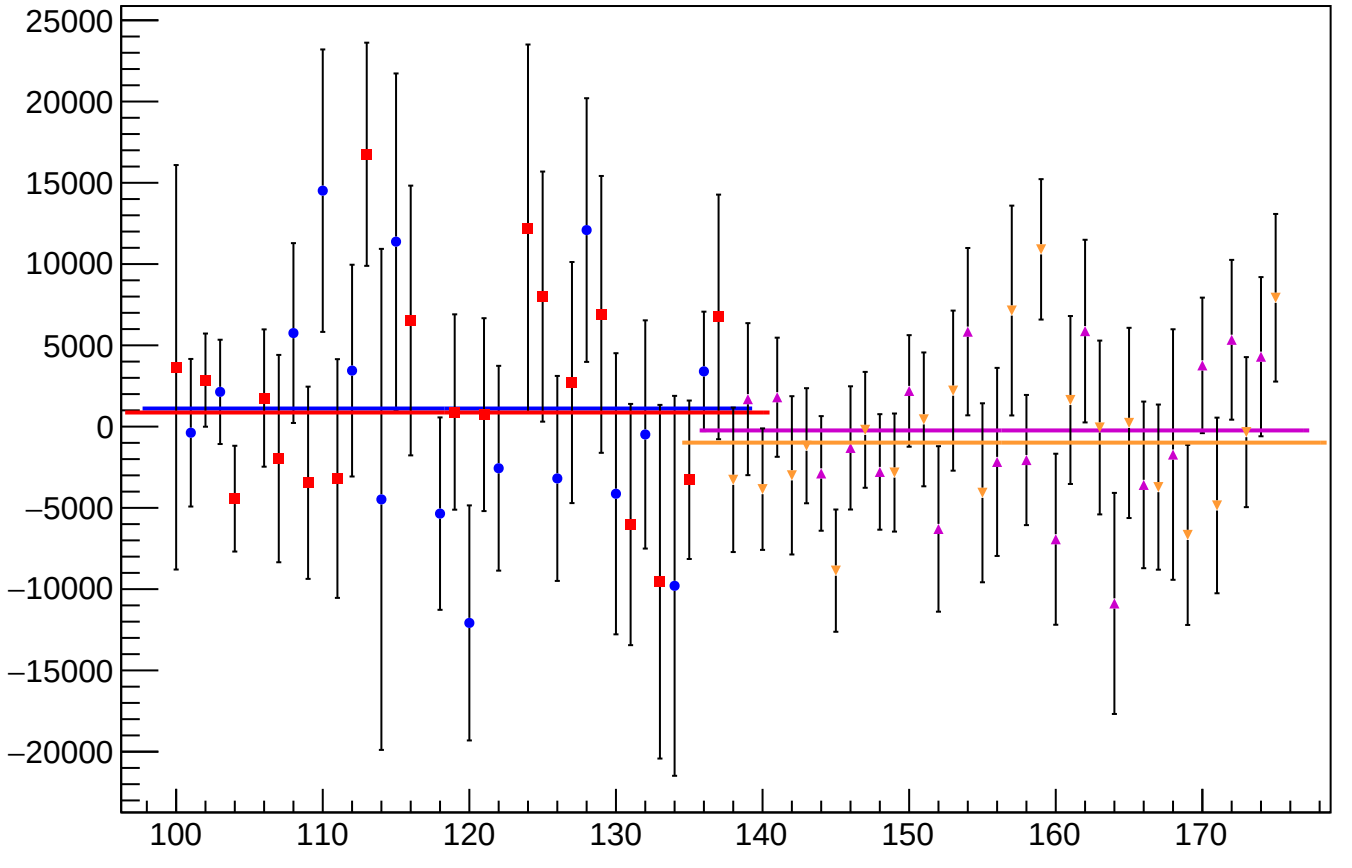
Left: 1828.454+/-0.233 χ^2/NDF: 32299.8/37

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1848.266+/-0.280 χ^2/NDF:724737.5/33

Out: 1843.468+/-0.272 χ^2/NDF:232172.2/38

All: 1845.793+/-0.195 χ^2/NDF: 957060.9/72



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -985.987+/-1014.364 χ^2/NDF:20.9/19

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -235.332+/-1061.340 χ^2/NDF:14.1/17

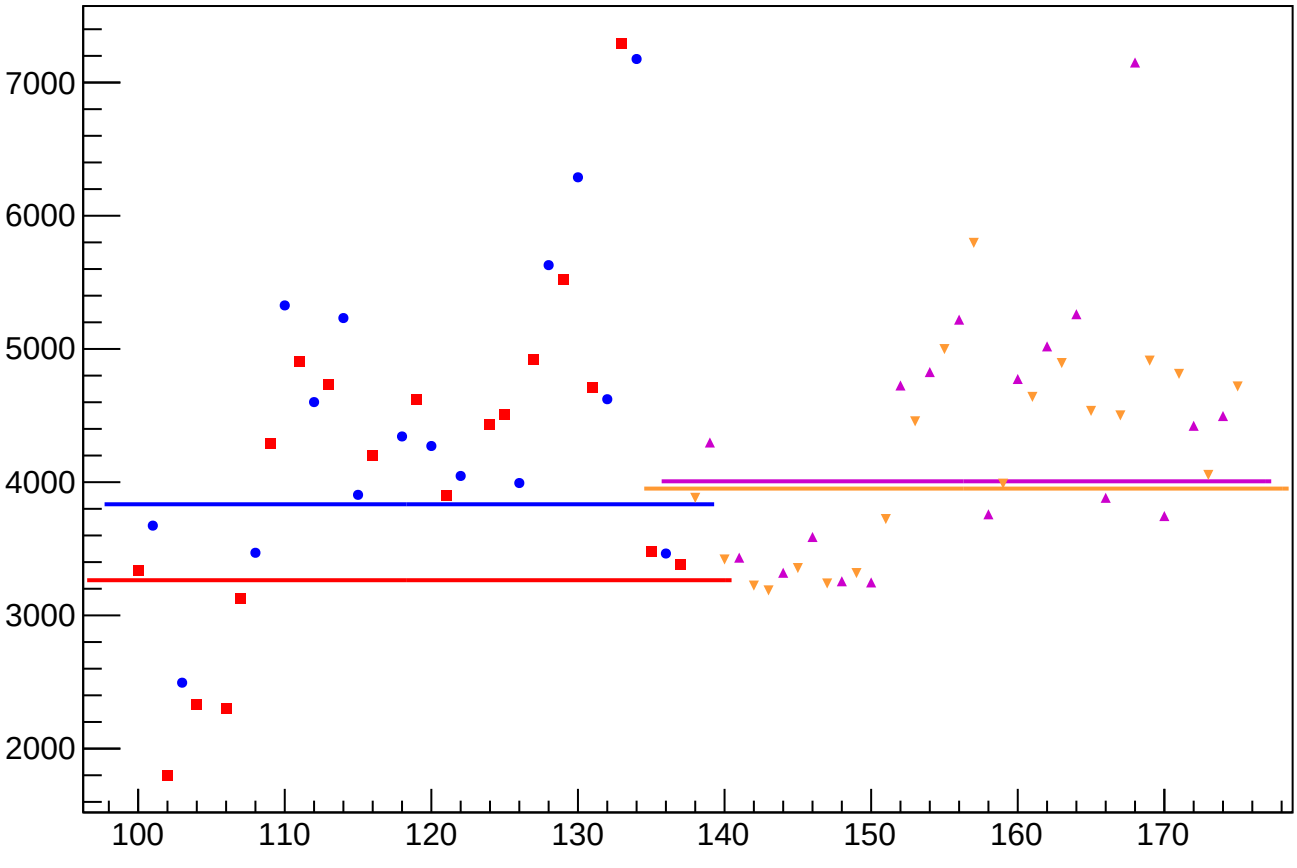
Left: -627.639+/-733.308 χ^2/NDF: 35.2/37

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 222.779+/-862.344 χ^2/NDF:28.0/33

Out: -289.589+/-801.392 χ^2/NDF:37.8/38

All: -52.150+/-587.036 χ^2/NDF: 66.0/72



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3951.885+/-0.717 χ^2/NDF:929970.2/19

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4006.475+/-0.750 χ^2/NDF:1081821.6/17

Left: 3977.945+/-0.519 χ^2/NDF: 2014557.1/37

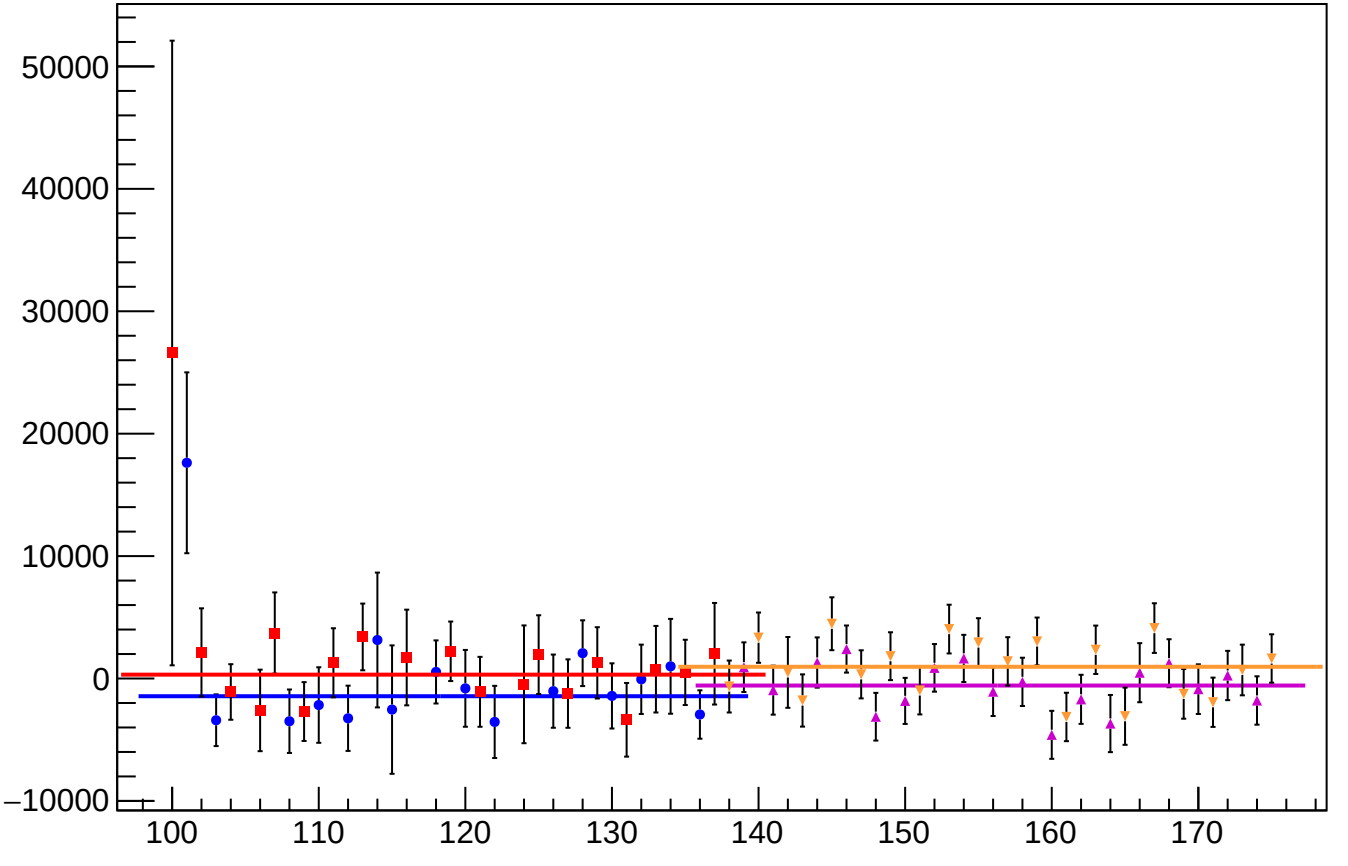
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3947.918+/-0.610 χ^2/NDF:2056512.3/33

Out: 3693.399+/-0.567 χ^2/NDF:3139774.0/38

All: 3811.347+/-0.415 χ^2/NDF: 5289772.5/72

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -574.486+/-473.579 χ^2/NDF:15.9/17

Left: 214.632+/-329.766 χ^2/NDF: 46.9/37

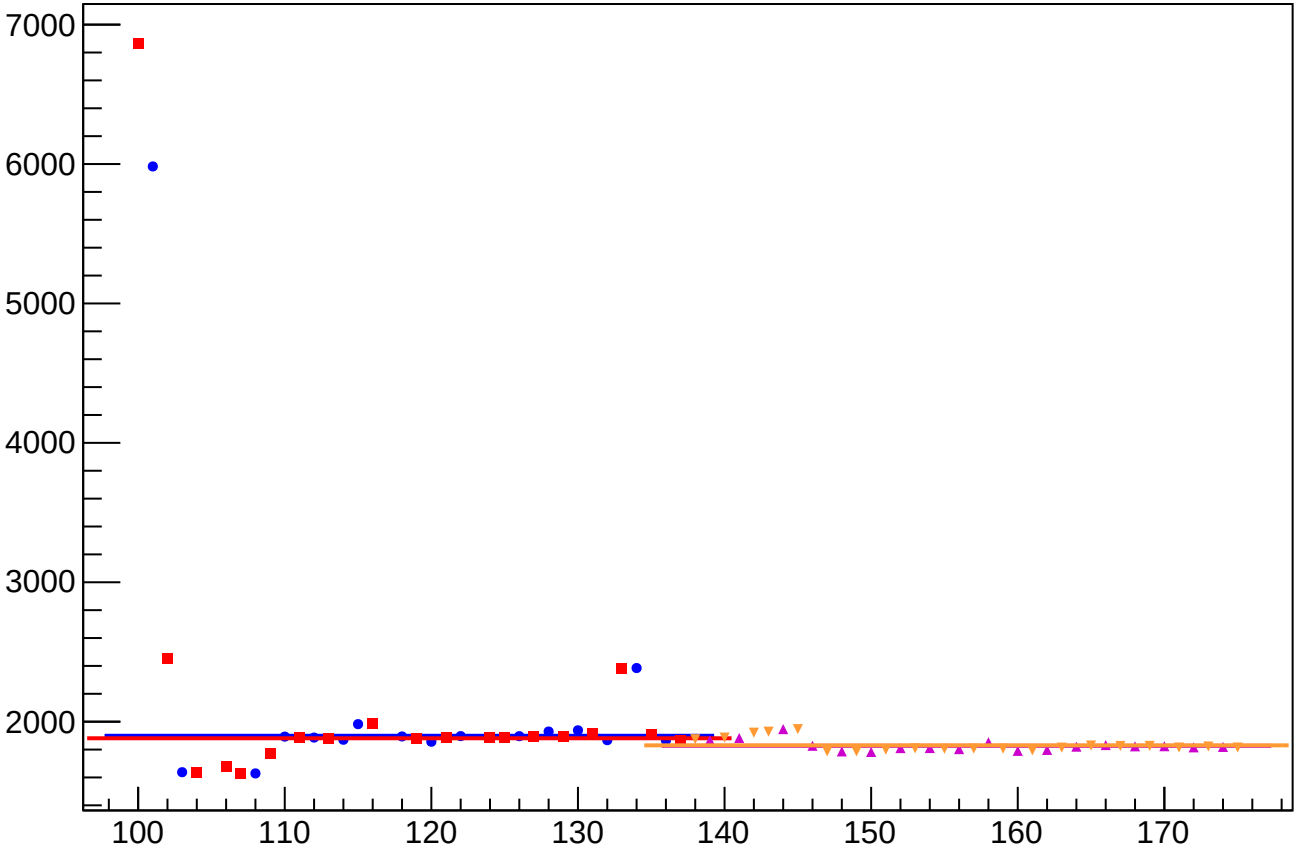
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -836.354+/-396.182 χ^2/NDF:30.3/33

Out: 765.494+/-384.701 χ^2/NDF:36.2/38

All: -11.884+/-275.994 χ^2/NDF: 74.9/72

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

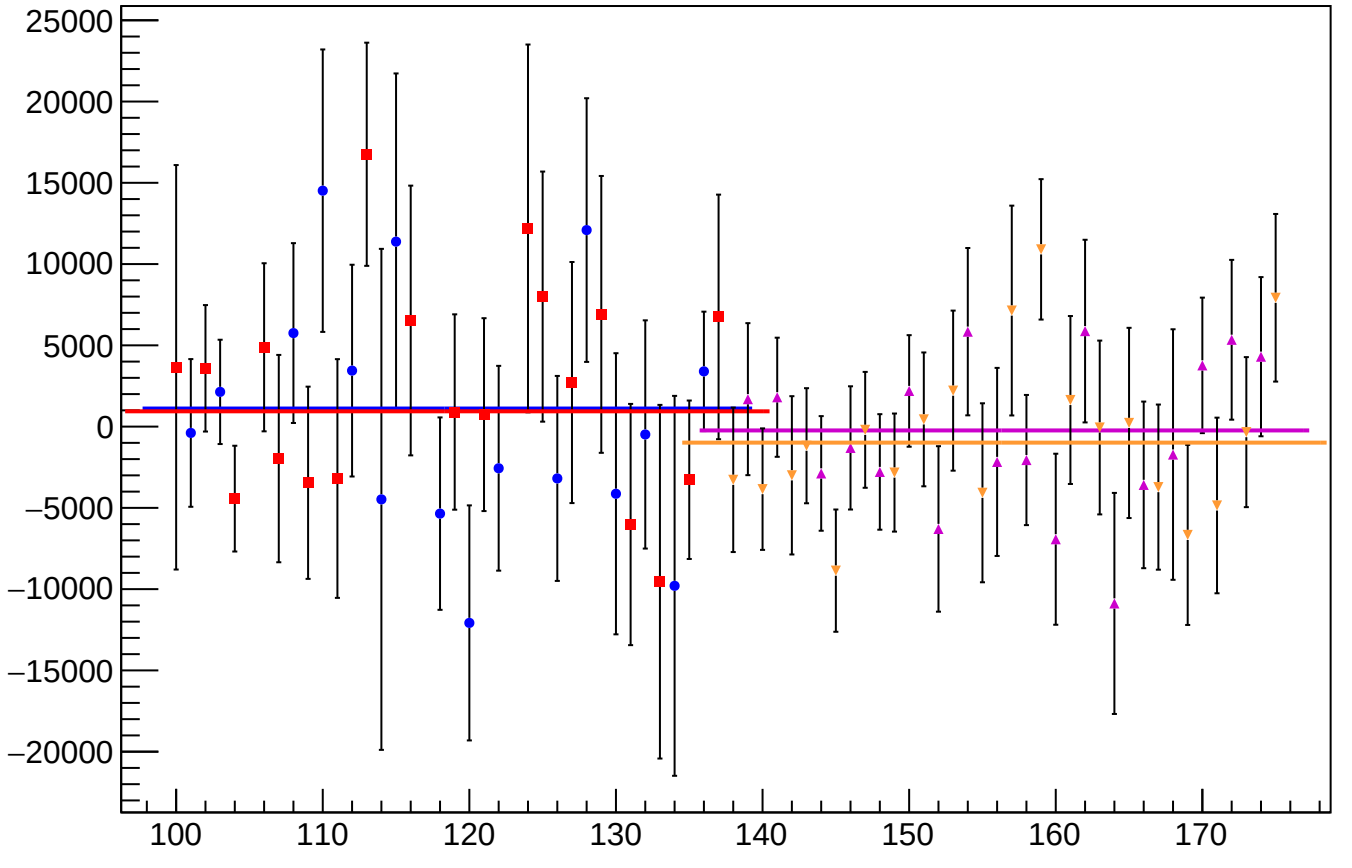
Left: 1828.454+/-0.233 χ^2/NDF: 32299.8/37

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1848.266+/-0.280 χ^2/NDF:724737.6/33

Out: 1845.433+/-0.272 χ^2/NDF:242872.5/38

All: 1846.807+/-0.195 χ^2/NDF: 967662.8/72



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -235.341+/-1061.338 χ^2/NDF:14.1/17

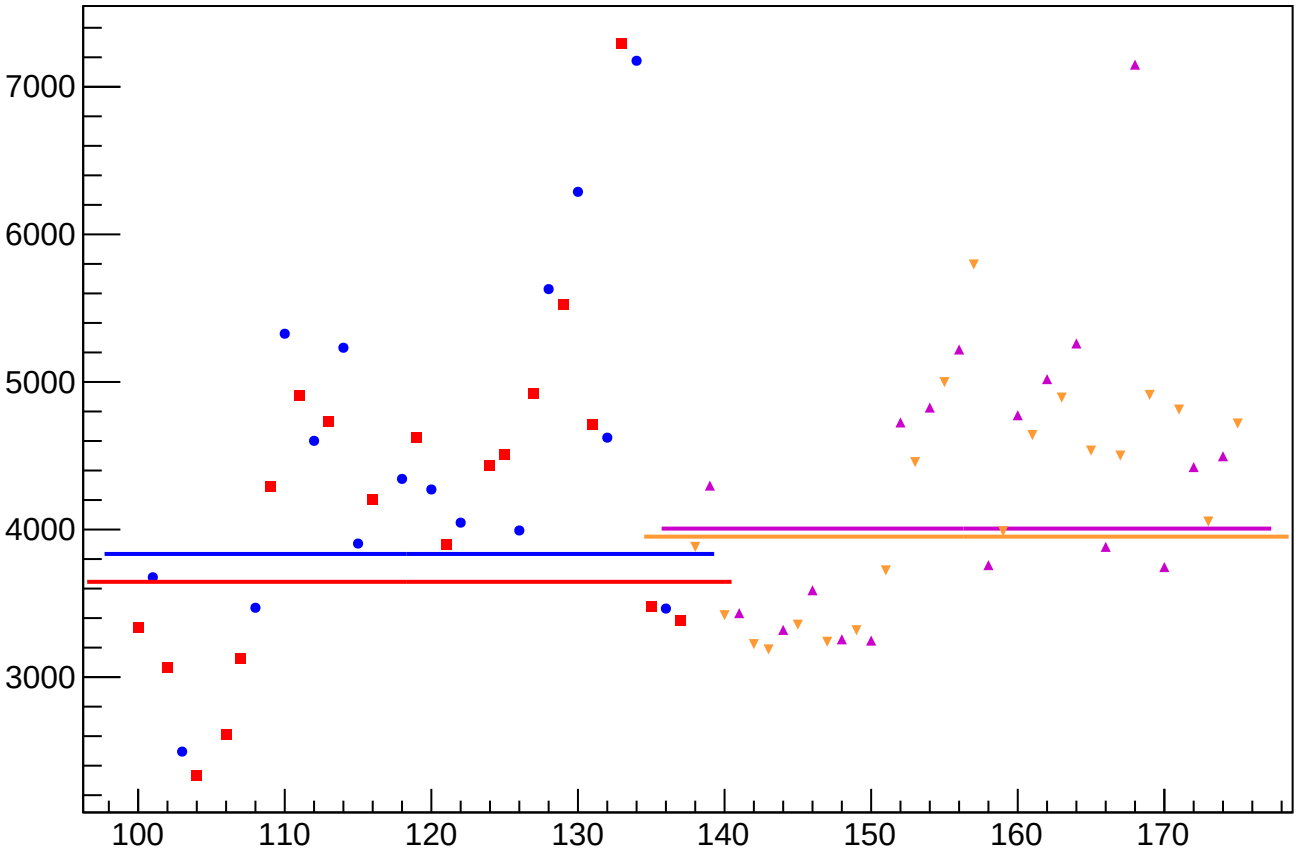
Left: -627.643+/-733.307 χ^2/NDF: 35.2/37

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 222.303+/-862.377 χ^2/NDF:28.0/33

Out: -322.099+/-821.213 χ^2/NDF:38.4/38

All: -63.201+/-594.705 χ^2/NDF: 66.5/72



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

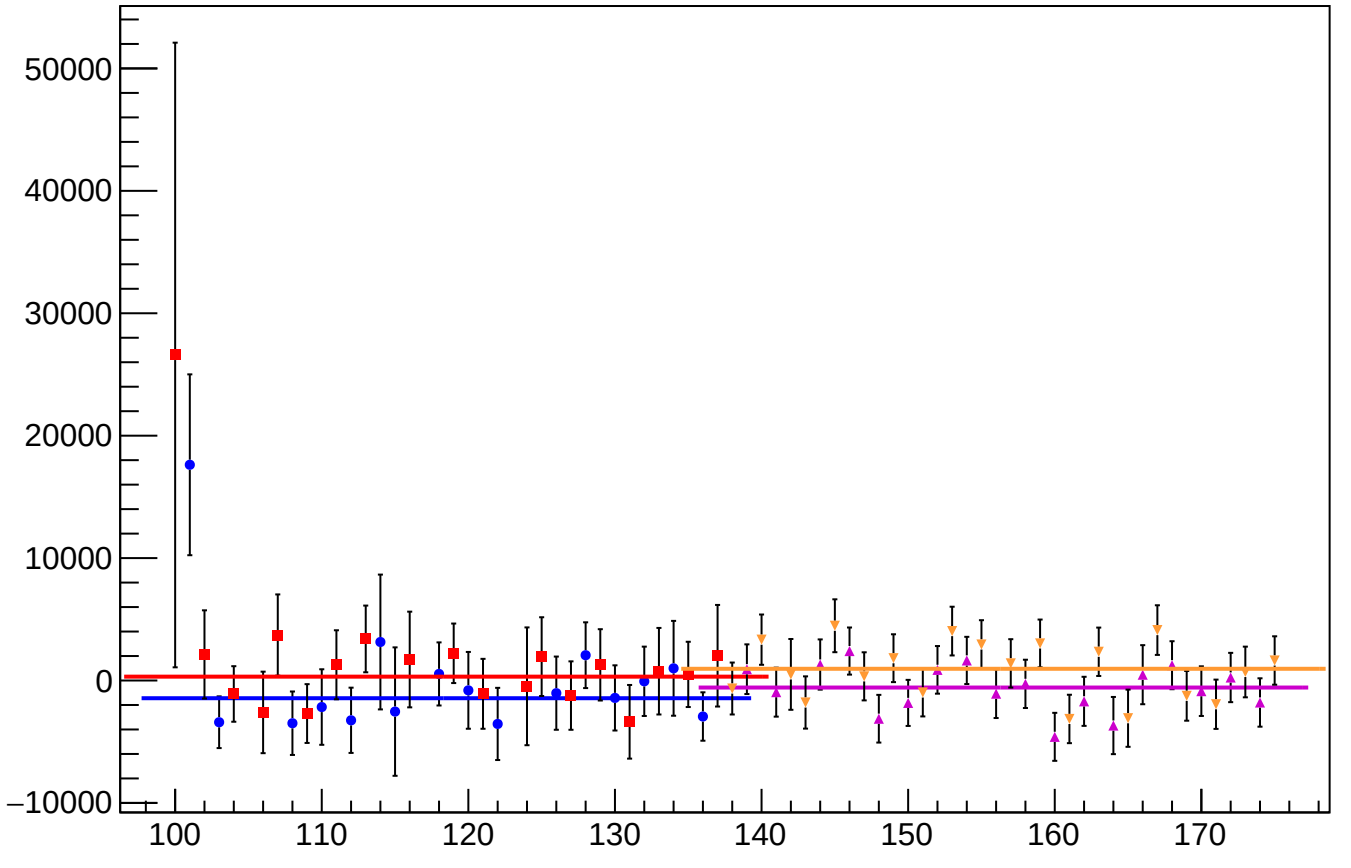
Left: 3977.940+/-0.519 χ^2/NDF: 2014565.1/37

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3948.101+/-0.610 χ^2/NDF:2055950.4/33

Out: 3846.376+/-0.581 χ^2/NDF:2117738.2/38

All: 3894.753+/-0.421 χ^2/NDF: 4188282.9/72



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -574.486+/-473.579 χ^2/NDF:15.9/17

Left: 214.632+/-329.766 χ^2/NDF: 46.9/37

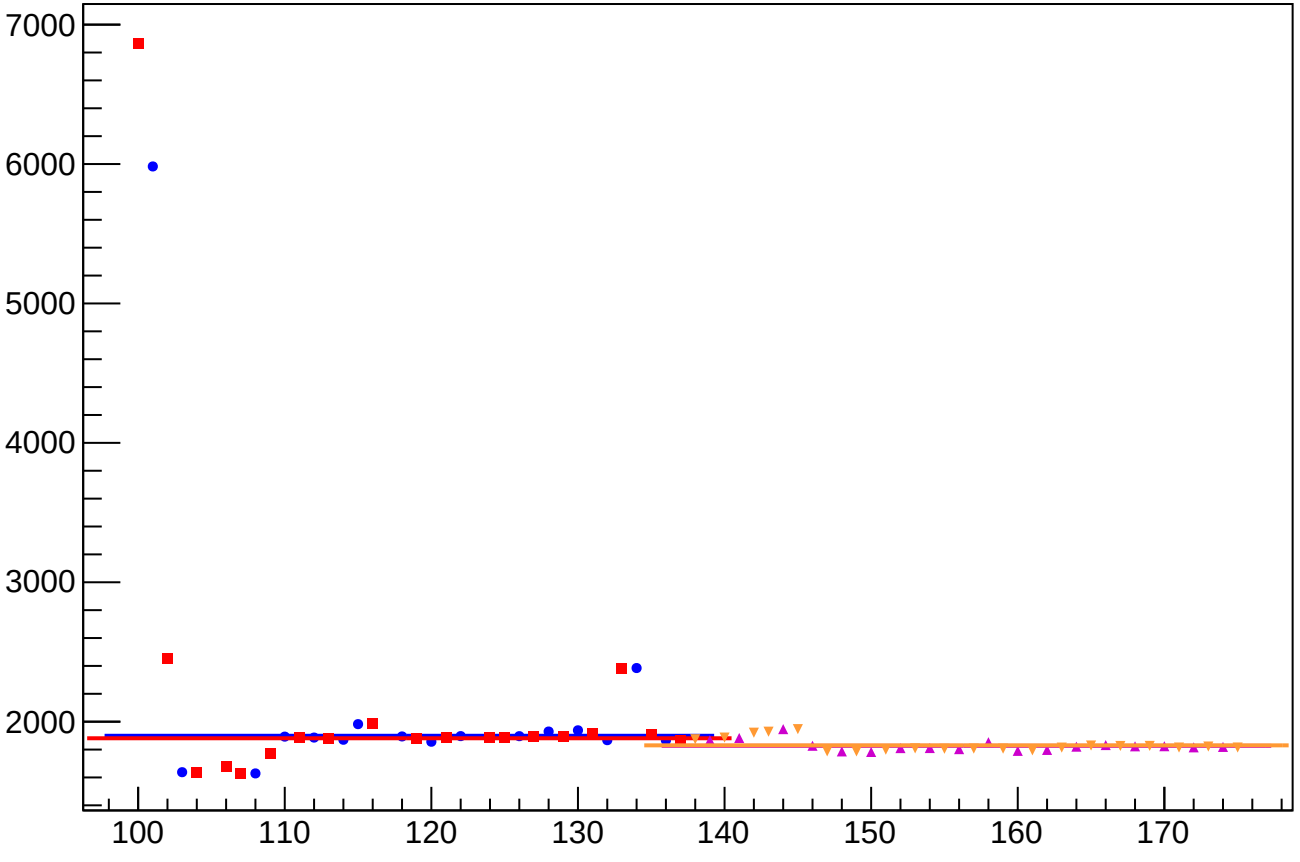
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -836.354+/-396.182 χ^2/NDF:30.3/33

Out: 765.494+/-384.701 χ^2/NDF:36.2/38

All: -11.884+/-275.994 χ^2/NDF: 74.9/72

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

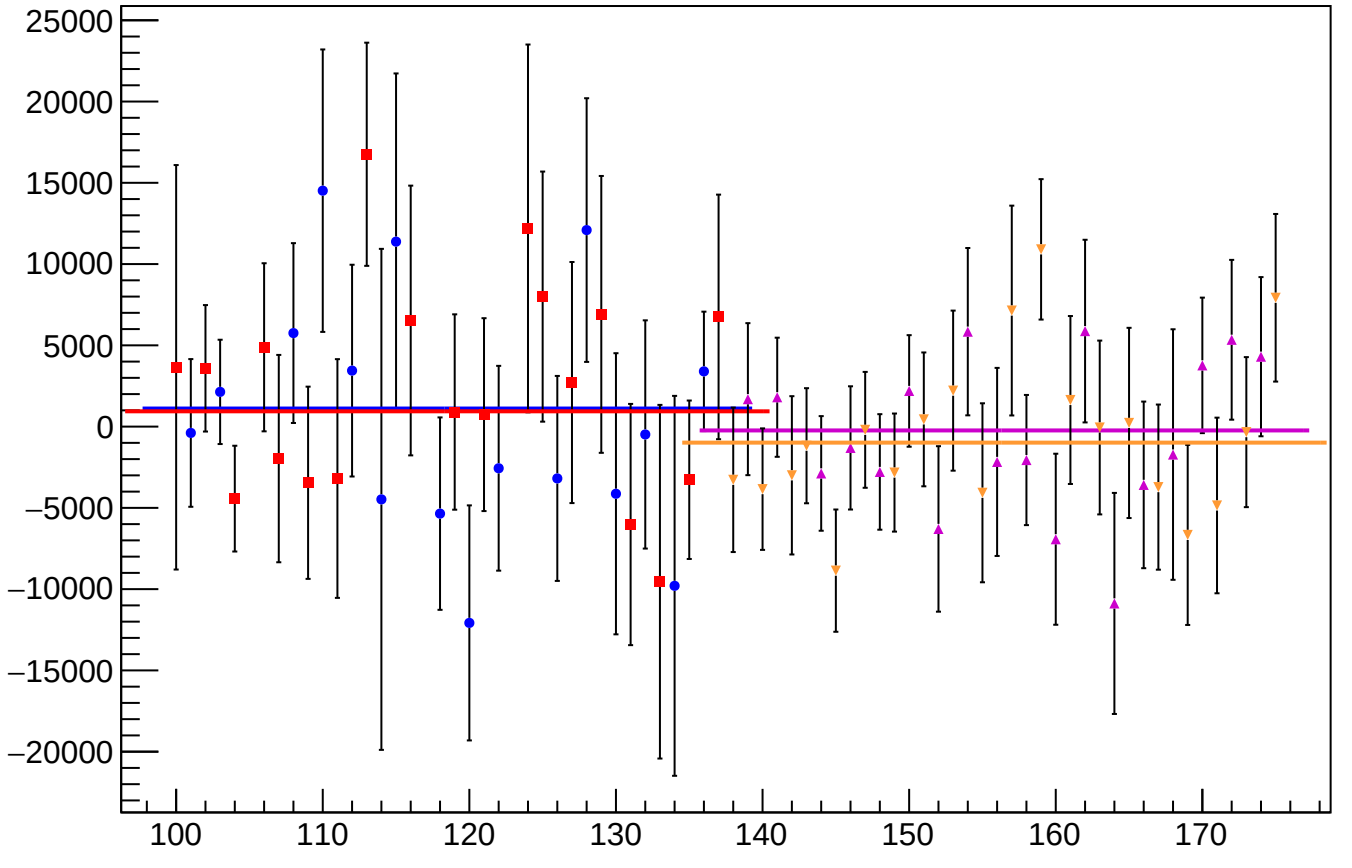
Left: 1828.454+/-0.233 χ^2/NDF: 32299.8/37

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1848.266+/-0.280 χ^2/NDF:724737.6/33

Out: 1845.433+/-0.272 χ^2/NDF:242872.5/38

All: 1846.807+/-0.195 χ^2/NDF: 967662.8/72



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -235.341+/-1061.338 χ^2/NDF:14.1/17

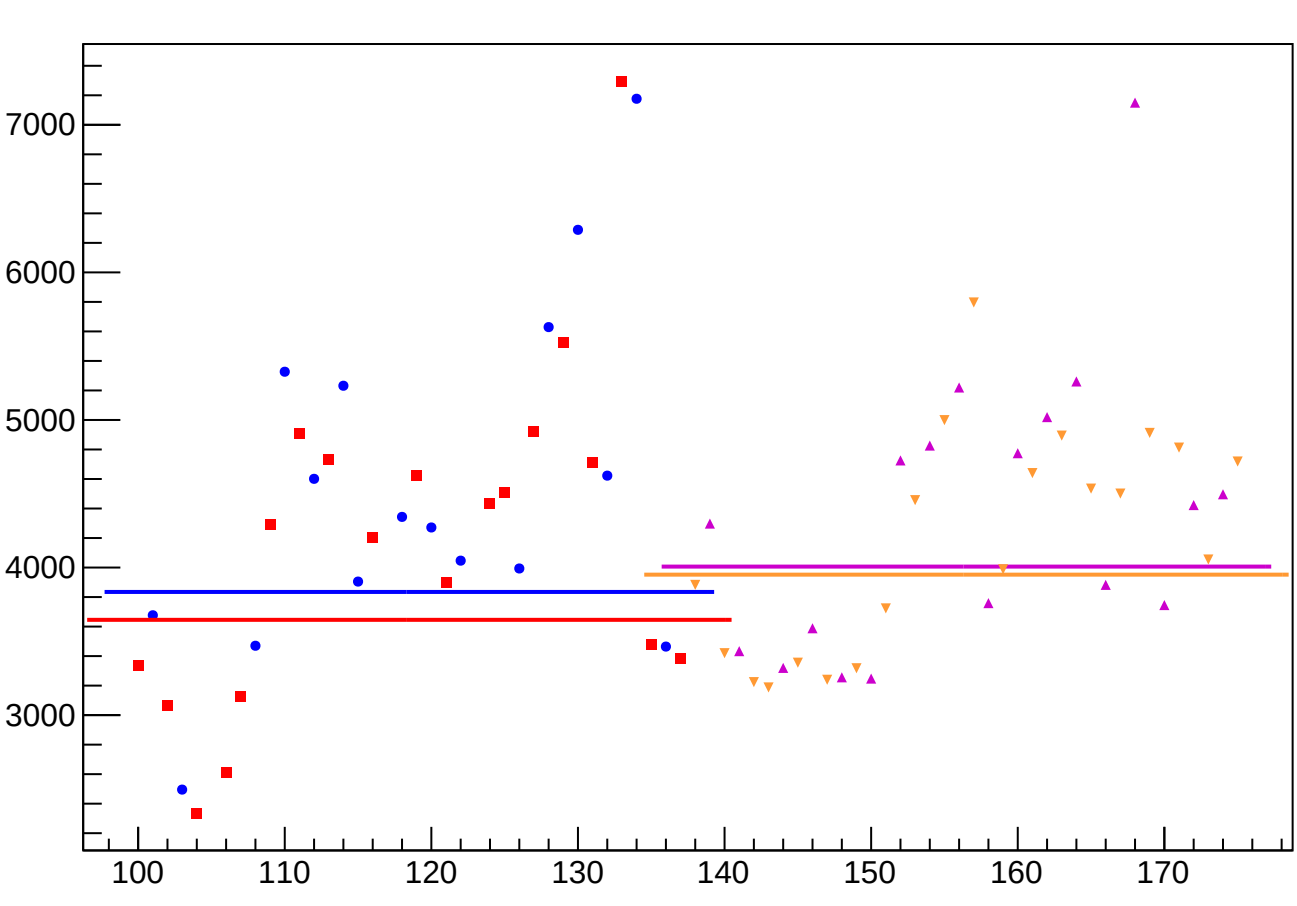
Left: -627.643+/-733.307 χ^2/NDF: 35.2/37

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 222.303+/-862.377 χ^2/NDF:28.0/33

Out: -322.099+/-821.213 χ^2/NDF:38.4/38

All: -63.201+/-594.705 χ^2/NDF: 66.5/72



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

Left: 3977.940+/-0.519 χ^2/NDF: 2014565.1/37

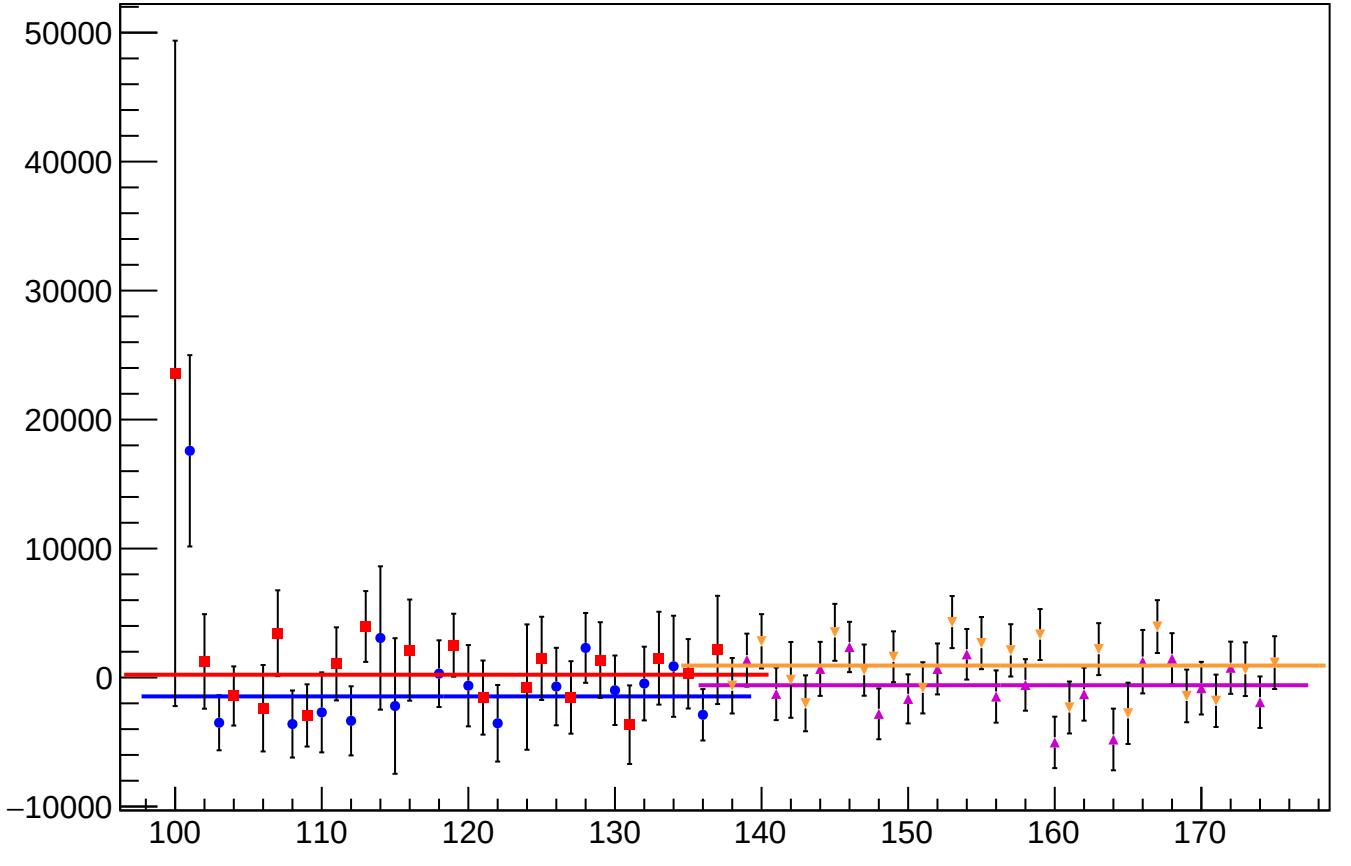
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3948.101+/-0.610 χ^2/NDF:2055950.4/33

Out: 3846.376+/-0.581 χ^2/NDF:2117738.2/38

All: 3894.753+/-0.421 χ^2/NDF: 4188282.9/72

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.098+/-466.706 χ^2/NDF:21.7/19

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -595.694+/-480.397 χ^2/NDF:18.0/17

Left: 189.254+/-334.747 χ^2/NDF: 44.9/37

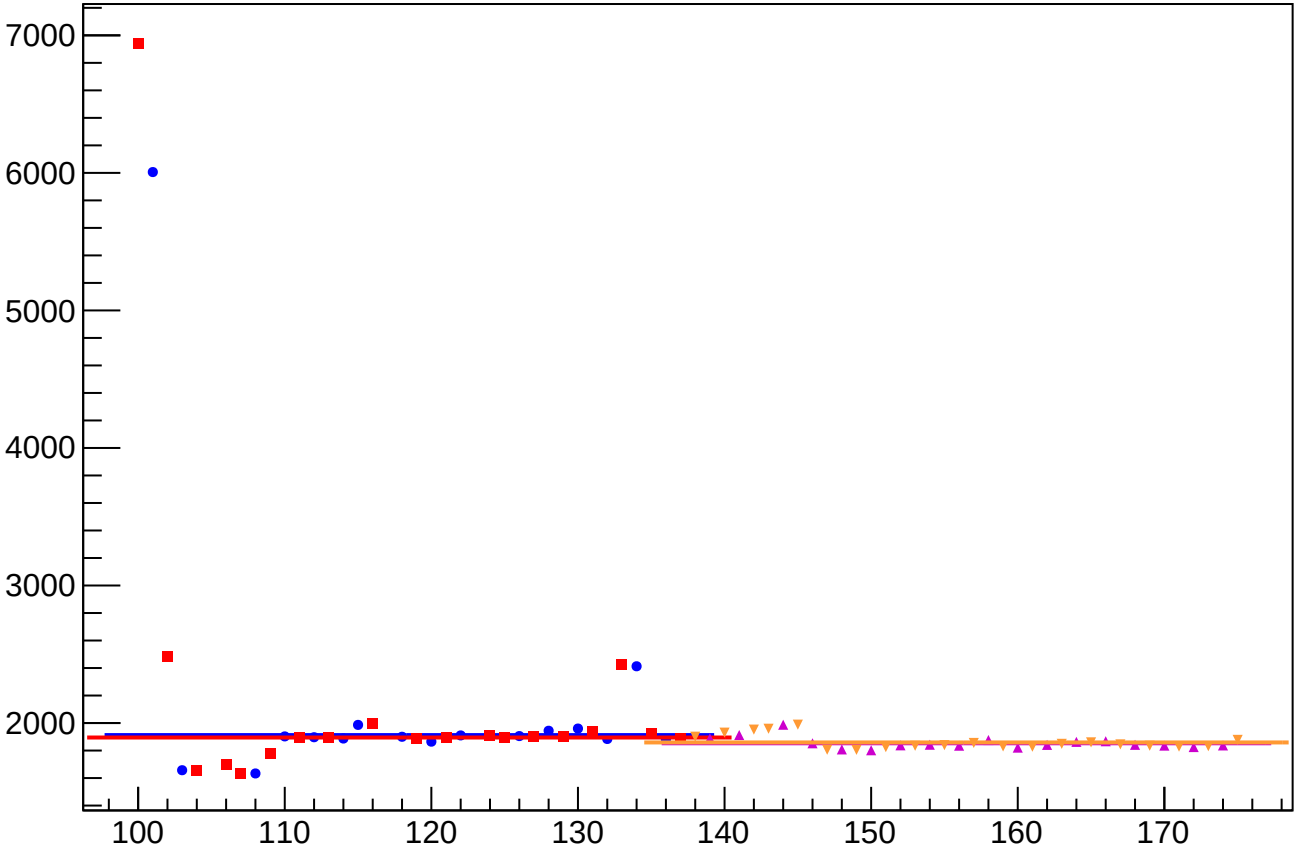
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -858.548+/-401.011 χ^2/NDF:32.6/33

Out: 715.281+/-389.804 χ^2/NDF:33.2/38

All: -49.335+/-279.511 χ^2/NDF: 73.7/72

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1852.781+/-0.340 χ^2/NDF:15058.0/17

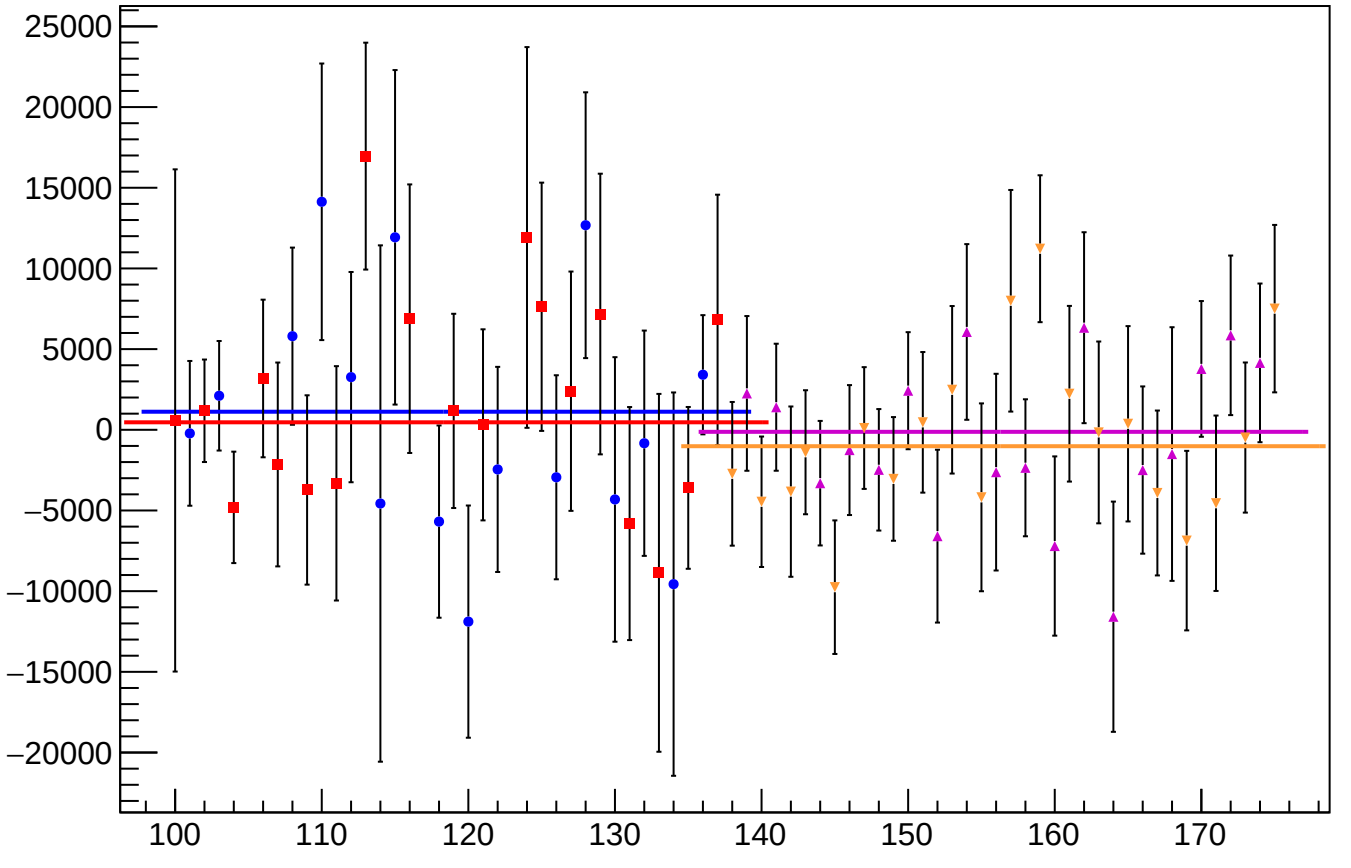
Left: 1855.941+/-0.237 χ^2/NDF: 37674.6/37

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1870.850+/-0.284 χ^2/NDF:720611.0/33

Out: 1869.778+/-0.276 χ^2/NDF:245802.0/38

All: 1870.299+/-0.198 χ^2/NDF: 966420.4/72



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1016.932+/-1065.295 χ^2/NDF:20.8/19

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -125.664+/-1112.921 χ^2/NDF:13.9/17

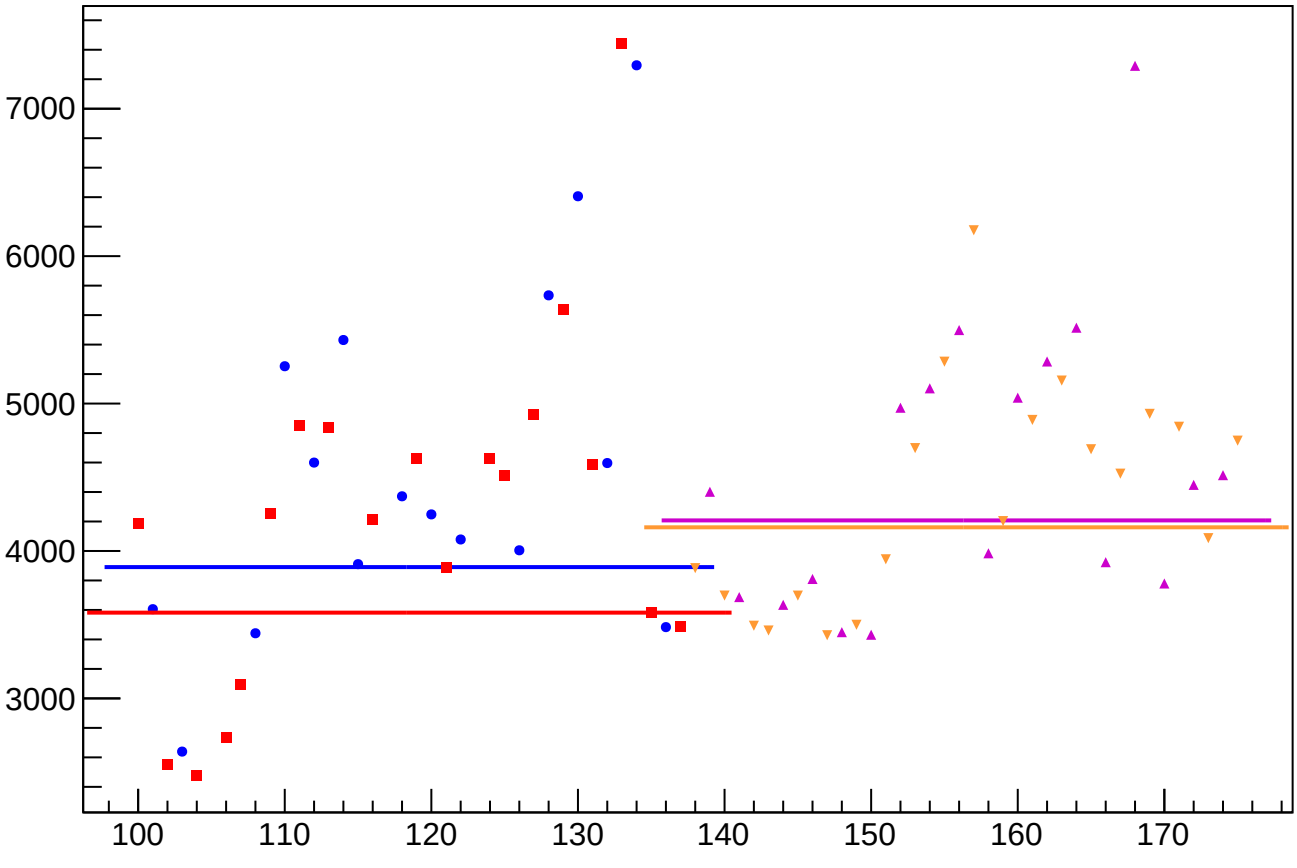
Left: -590.776+/-769.563 χ^2/NDF: 35.1/37

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 317.546+/-893.286 χ^2/NDF:27.8/33

Out: -459.181+/-841.160 χ^2/NDF:36.6/38

All: -94.140+/-612.389 χ^2/NDF: 64.8/72



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4160.530+/-0.753 χ^2/NDF:785181.2/19

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4207.401+/-0.787 χ^2/NDF:989999.7/17

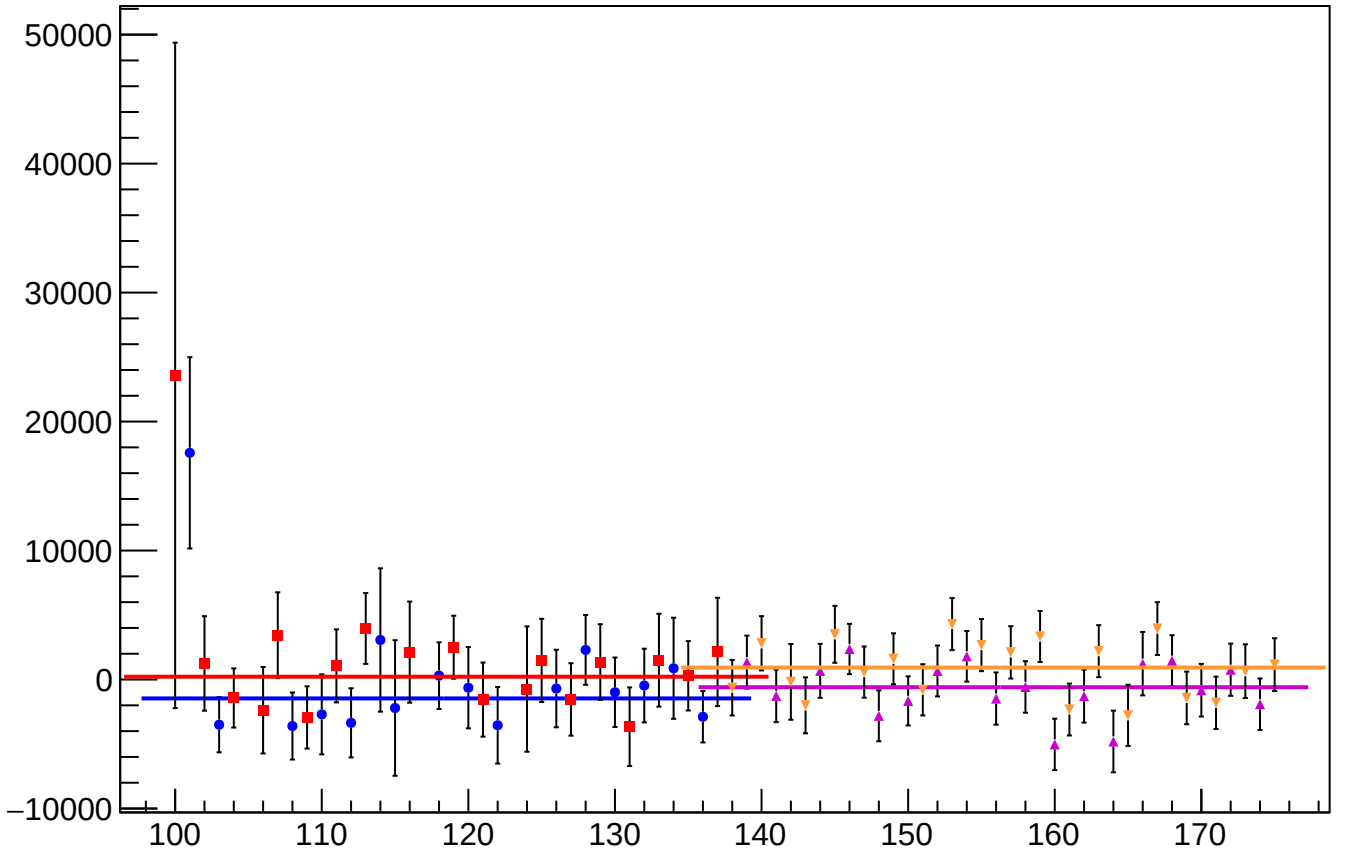
Left: 4182.941+/-0.544 χ^2/NDF: 1777032.2/37

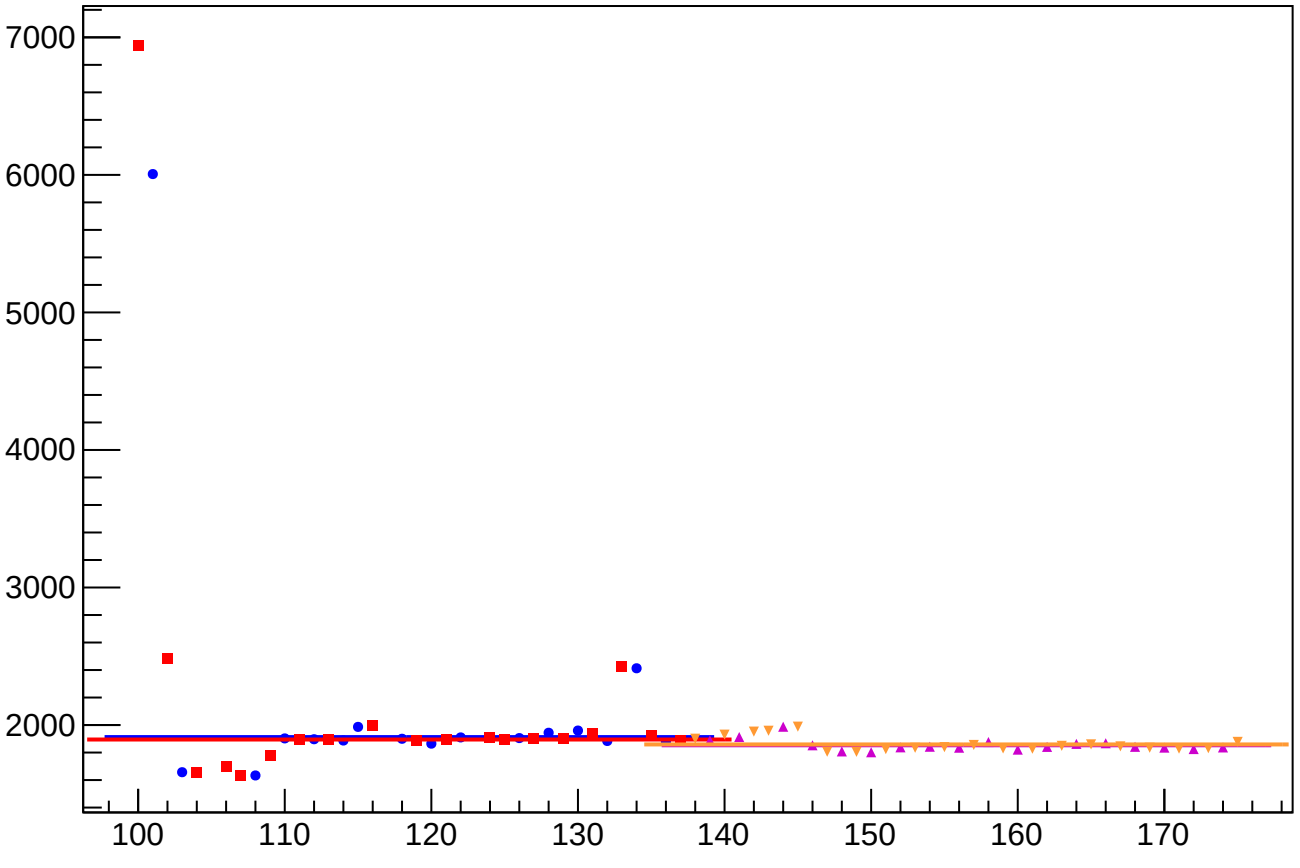
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4094.737+/-0.632 χ^2/NDF:1926031.9/33

Out: 3942.614+/-0.595 χ^2/NDF:2229300.1/38

All: 4014.108+/-0.433 χ^2/NDF: 4186074.0/72


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 930.105+/-466.706 χ²/NDF:21.7/19
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: -595.695+/-480.398 χ²/NDF:18.0/17
Left: 189.257+/-334.747 χ²/NDF: 44.9/37
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -858.551+/-401.011 χ²/NDF:32.6/33
Out: 715.284+/-389.804 χ²/NDF:33.2/38
All: -49.335+/-279.511 χ²/NDF: 73.7/72



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1852.781+/-0.340 χ^2/NDF:15057.9/17

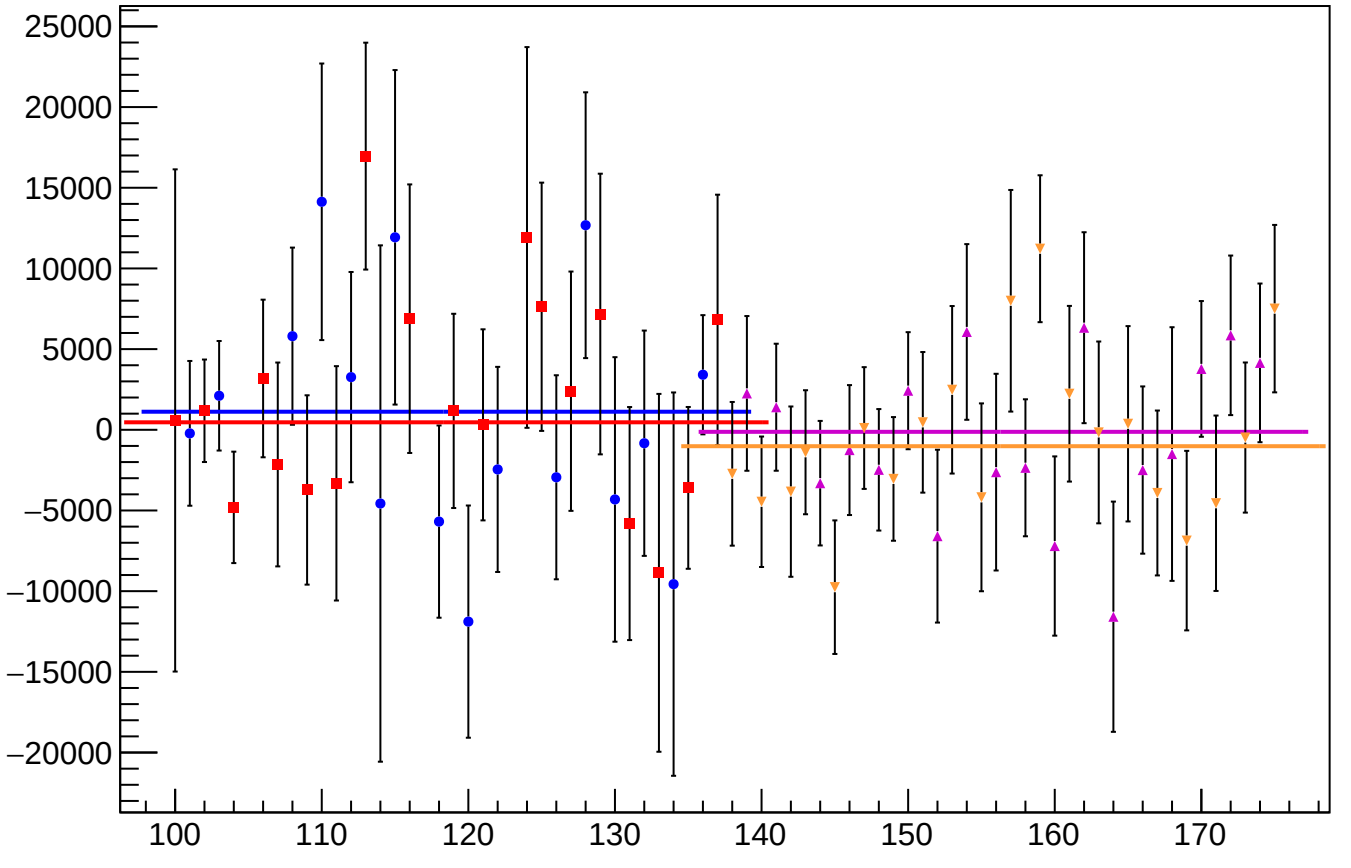
Left: 1855.942+/-0.237 χ^2/NDF: 37674.6/37

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1870.851+/-0.284 χ^2/NDF:720610.6/33

Out: 1869.779+/-0.276 χ^2/NDF:245801.9/38

All: 1870.299+/-0.198 χ^2/NDF: 966419.8/72



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1016.931+/-1065.297 χ^2/NDF:20.8/19

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -125.662+/-1112.922 χ^2/NDF:13.9/17

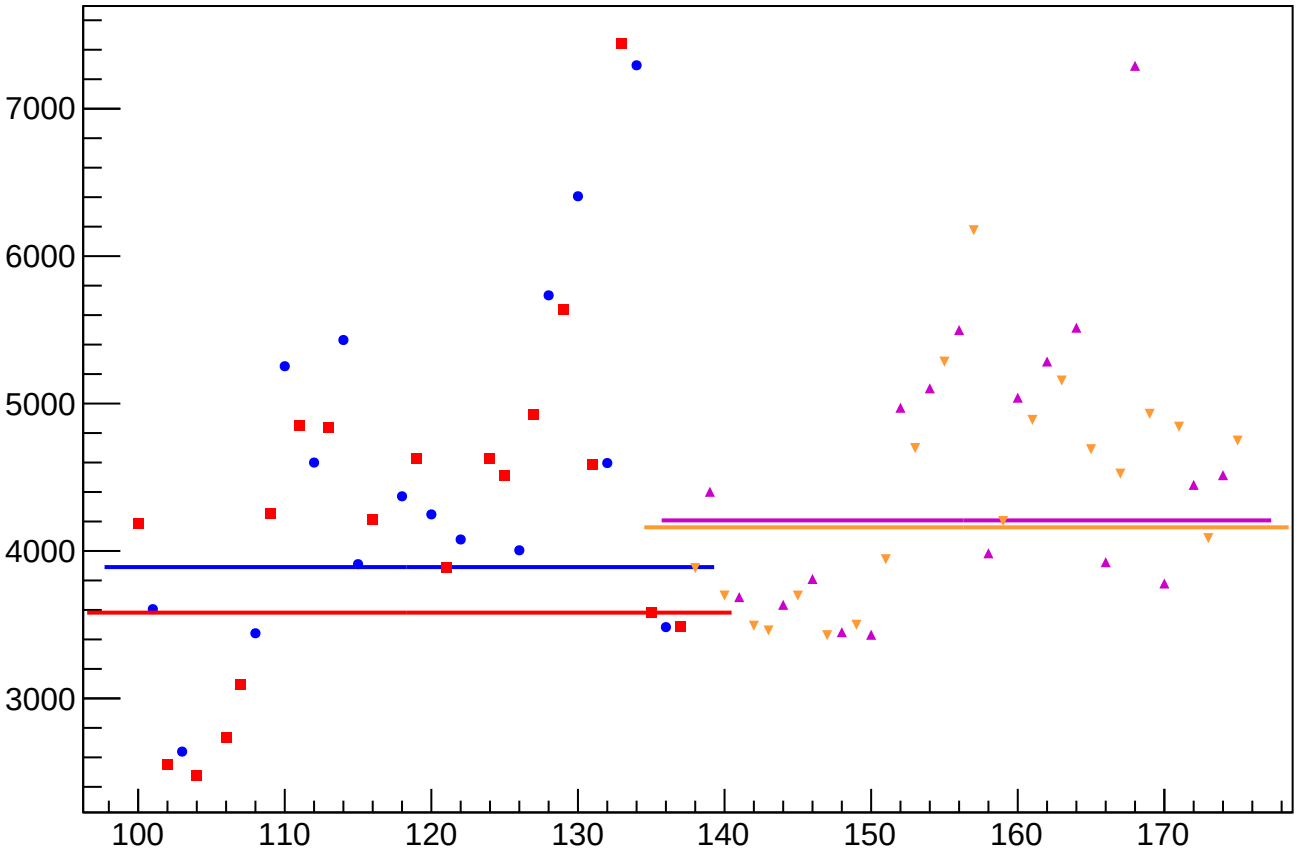
Left: -590.774+/-769.565 χ^2/NDF: 35.1/37

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 317.544+/-893.286 χ^2/NDF:27.8/33

Out: -459.179+/-841.160 χ^2/NDF:36.6/38

All: -94.140+/-612.389 χ^2/NDF: 64.8/72



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4160.536+/-0.753 χ^2/NDF:785181.6/19

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4207.407+/-0.787 χ^2/NDF:990002.3/17

Left: 4182.947+/-0.544 χ^2/NDF: 1777035.1/37

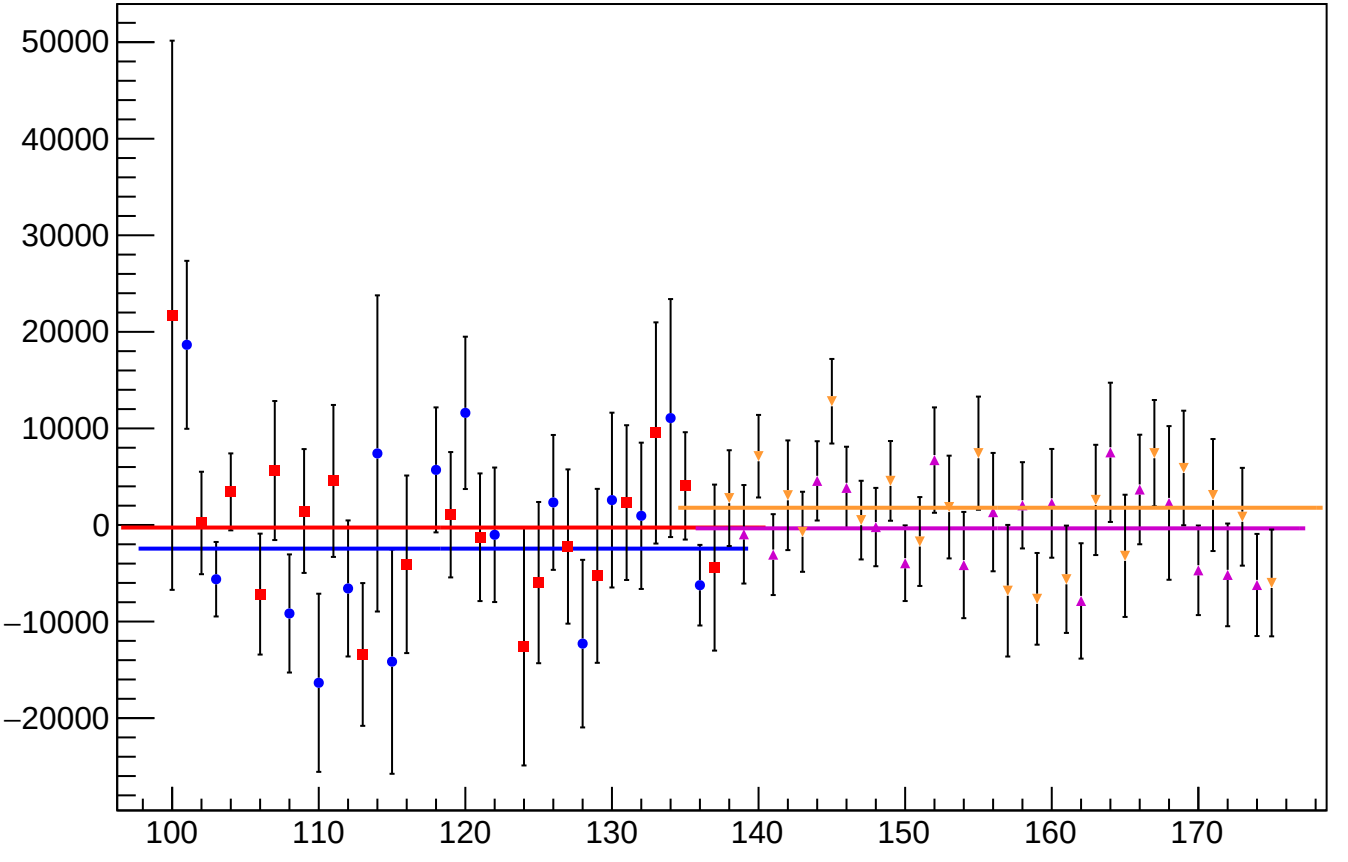
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4094.739+/-0.632 χ^2/NDF:1926028.7/33

Out: 3942.617+/-0.595 χ^2/NDF:2229299.3/38

All: 4014.110+/-0.433 χ^2/NDF: 4186070.1/72

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1784.233+/-1129.350 χ^2/NDF:22.0/19

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -348.716+/-1176.519 χ^2/NDF:12.7/17

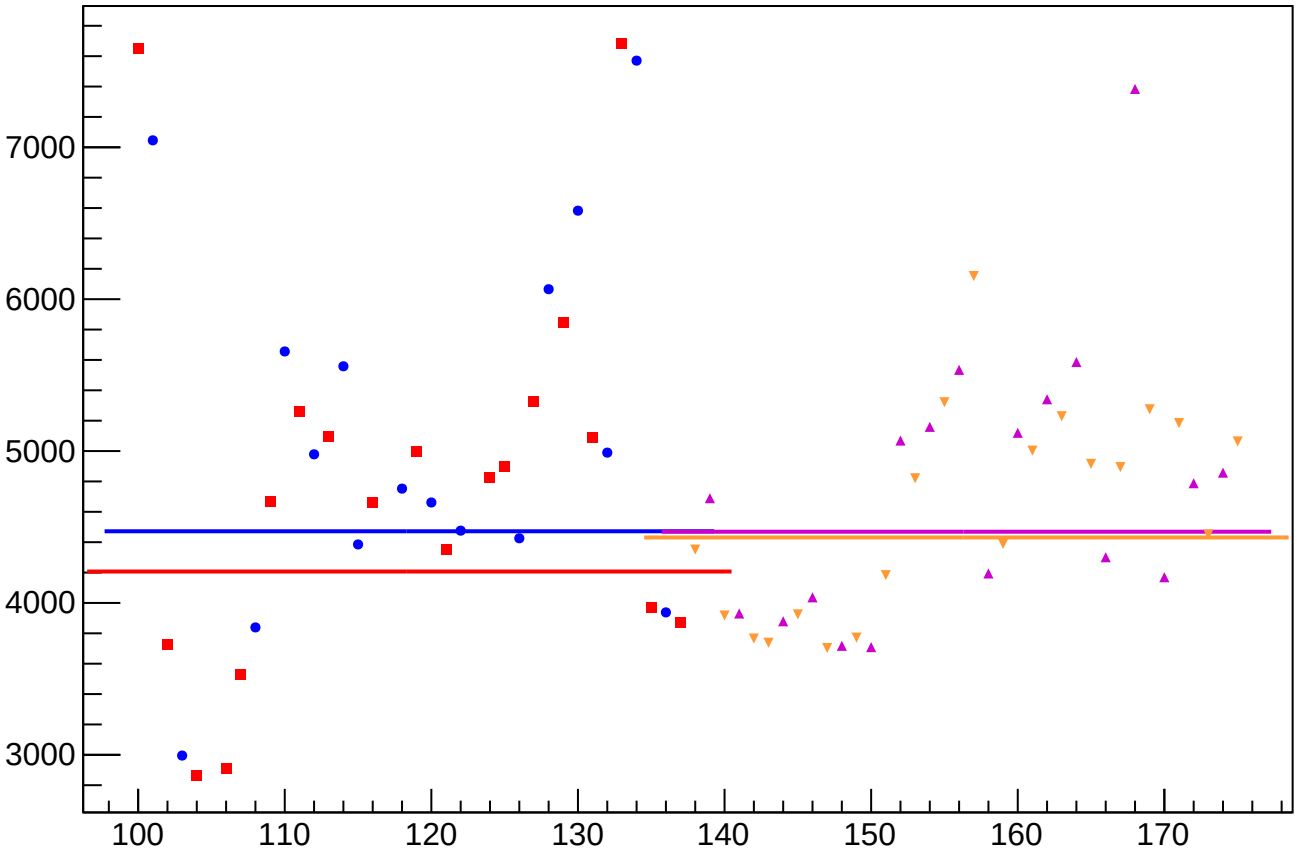
Left: 761.371+/-814.736 χ^2/NDF: 36.4/37

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1018.106+/-971.019 χ^2/NDF:34.6/33

Out: 1115.177+/-926.928 χ^2/NDF:33.8/38

All: 98.068+/-670.483 χ^2/NDF: 70.9/72



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4431.163+/-0.799 χ^2/NDF:631407.1/19

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4468.941+/-0.832 χ^2/NDF:780209.8/17

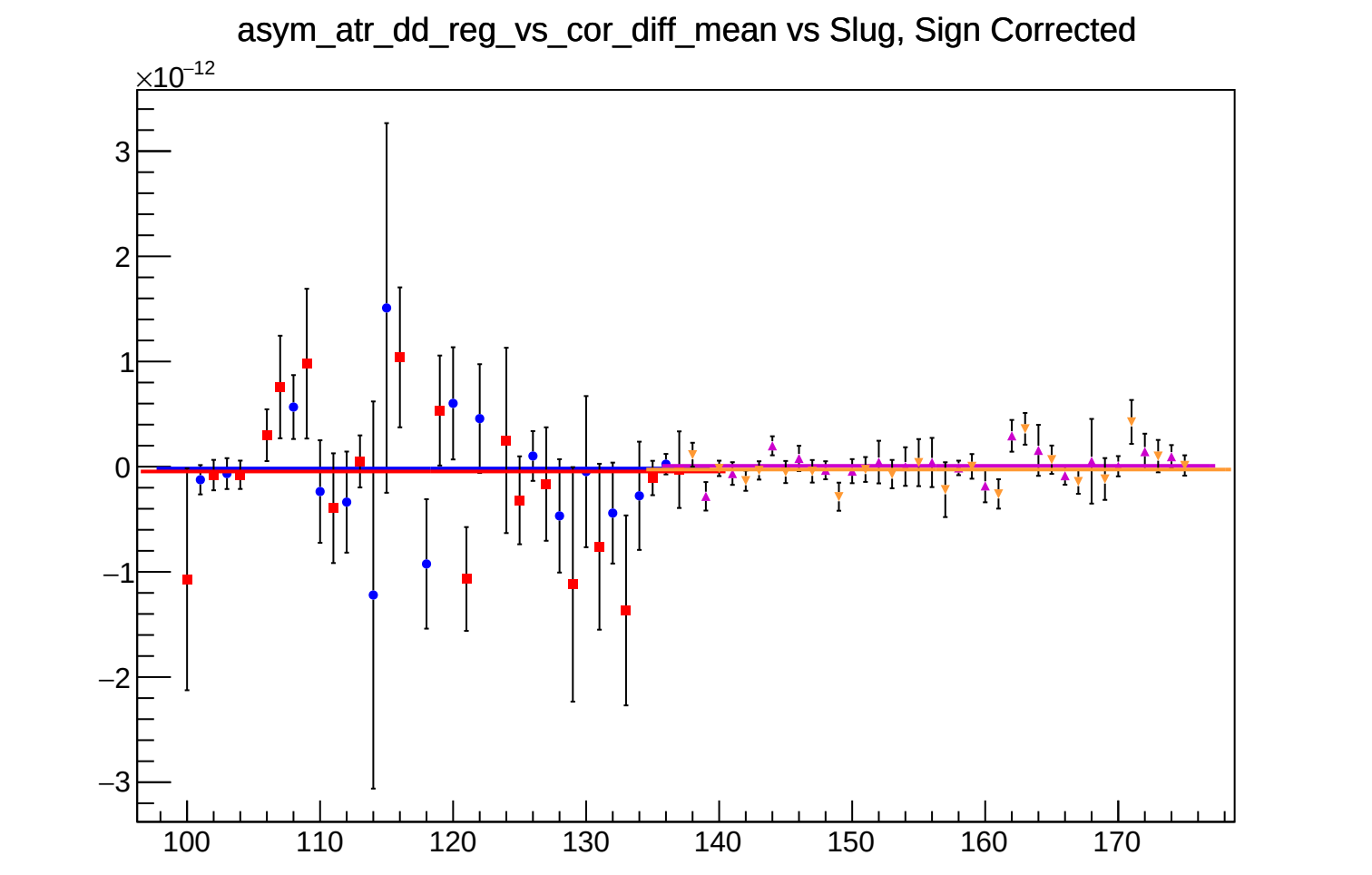
Left: 4449.280+/-0.576 χ^2/NDF: 1412690.1/37

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4469.886+/-0.687 χ^2/NDF:1671892.3/33

Out: 4357.167+/-0.654 χ^2/NDF:1503953.4/38

All: 4410.758+/-0.473 χ^2/NDF: 3189982.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/17

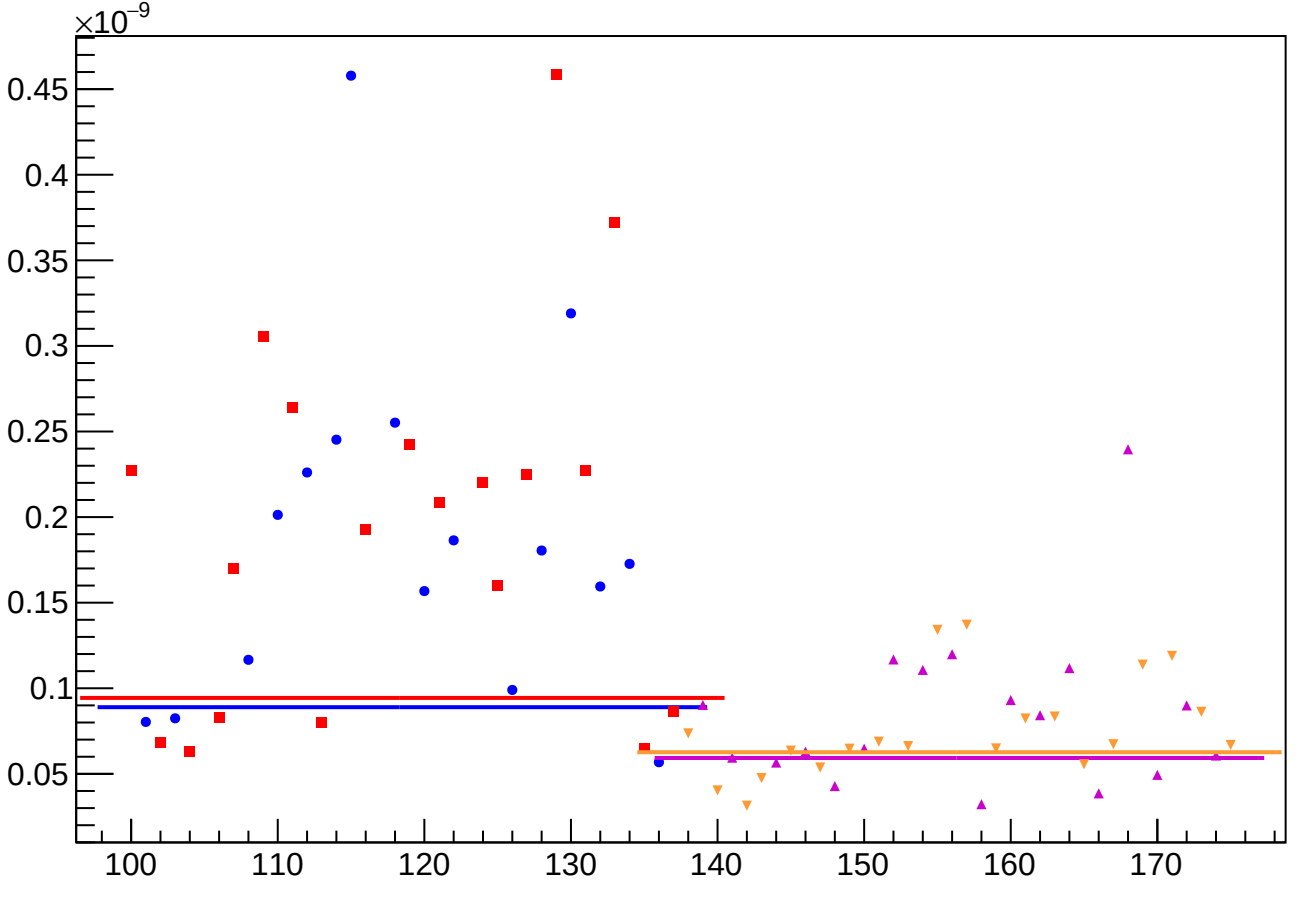
Left: -0.000+/-0.000 χ^2/NDF: 43.0/37

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.2/33

Out: -0.000+/-0.000 χ^2/NDF:45.2/38

All: -0.000+/-0.000 χ^2/NDF: 77.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1280426.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1791651.3/17

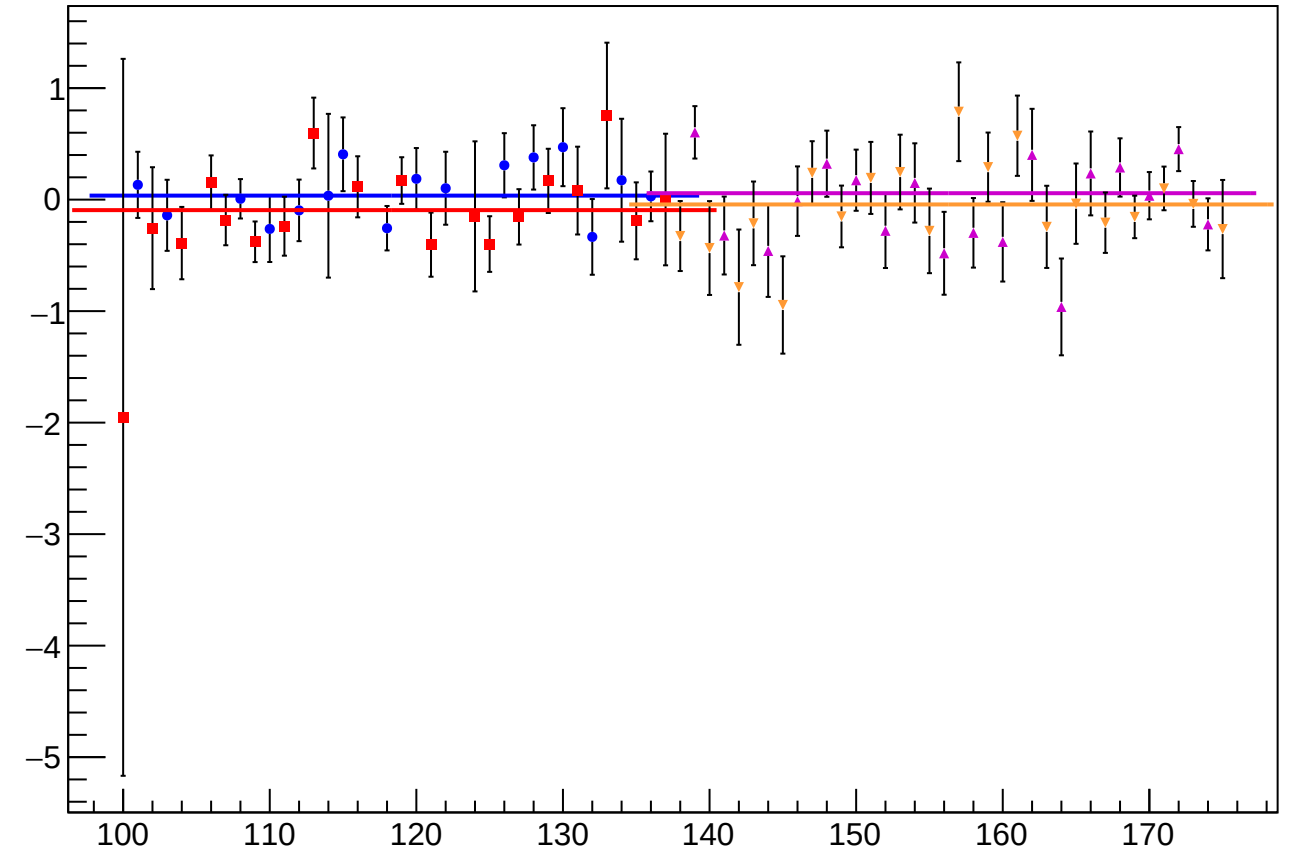
Left: 0.000+/-0.000 χ^2/NDF: 3087240.0/37

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3408970.0/33

Out: 0.000+/-0.000 χ^2/NDF:3351350.2/38

All: 0.000+/-0.000 χ^2/NDF: 6770836.0/72



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

Left: 0.006+/-0.048 χ^2/NDF: 49.4/37

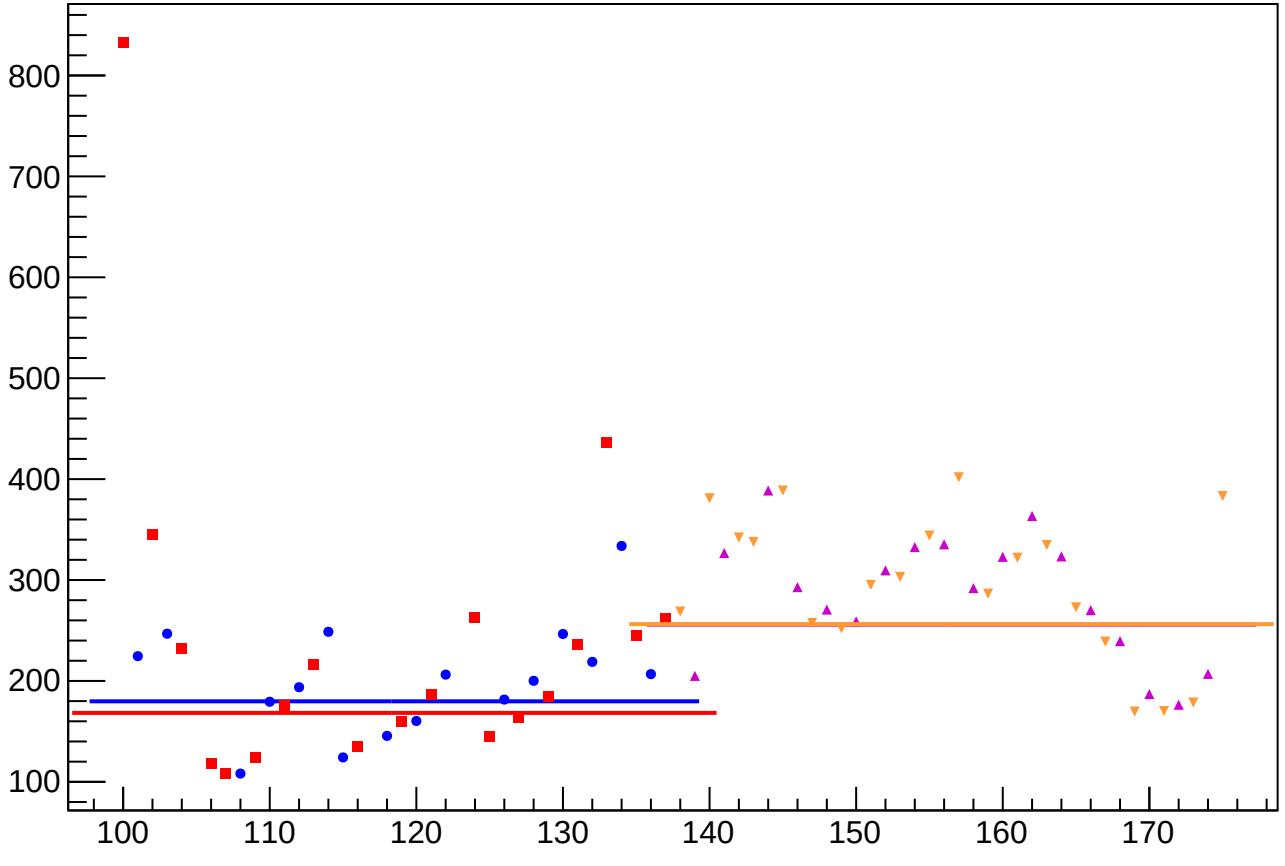
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.013+/-0.034 χ^2/NDF: 79.6/72

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

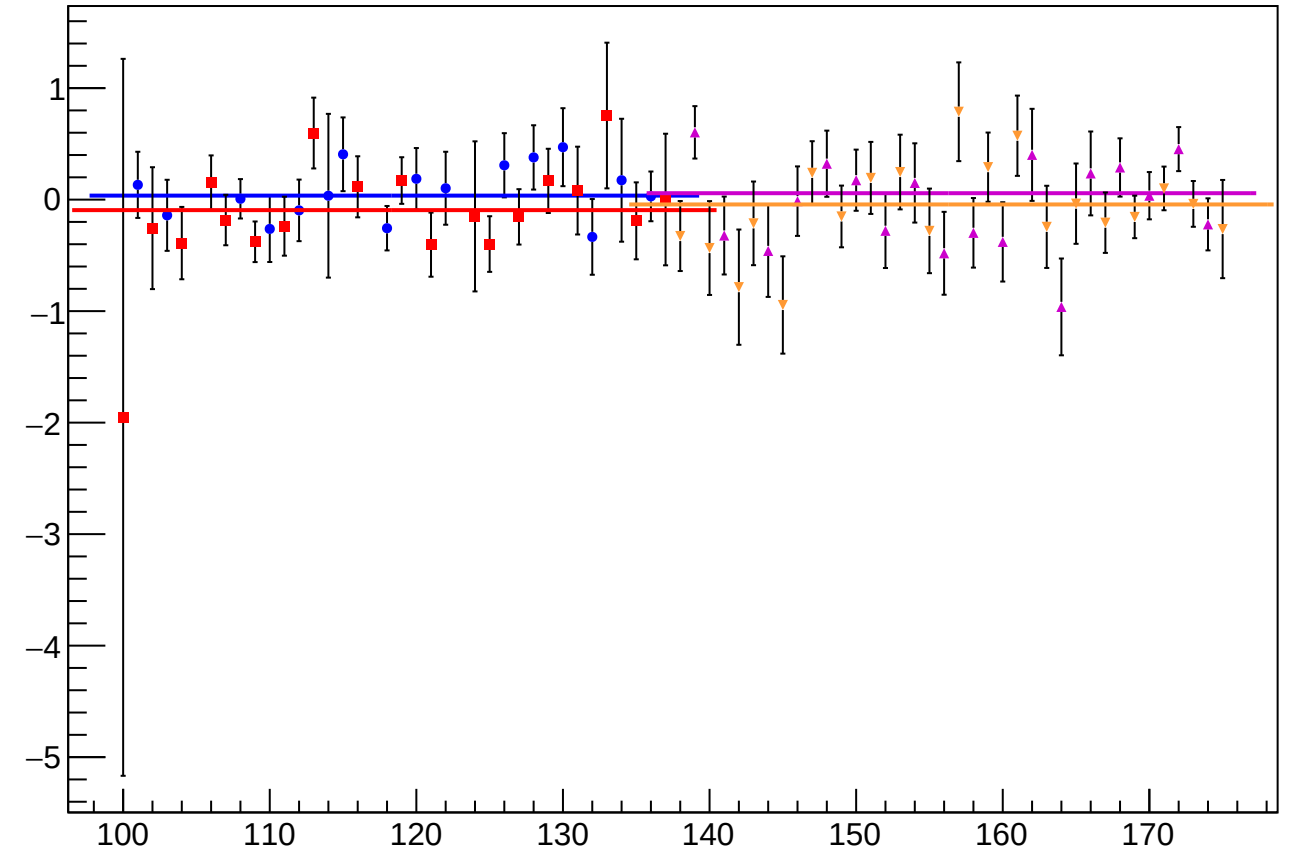
Left: 256.052+/-0.034 χ^2/NDF: 3914462.6/37

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.529+/-0.035 χ^2/NDF:3670247.4/33

Out: 212.167+/-0.034 χ^2/NDF:5439633.7/38

All: 215.248+/-0.024 χ^2/NDF: 9126969.9/72



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

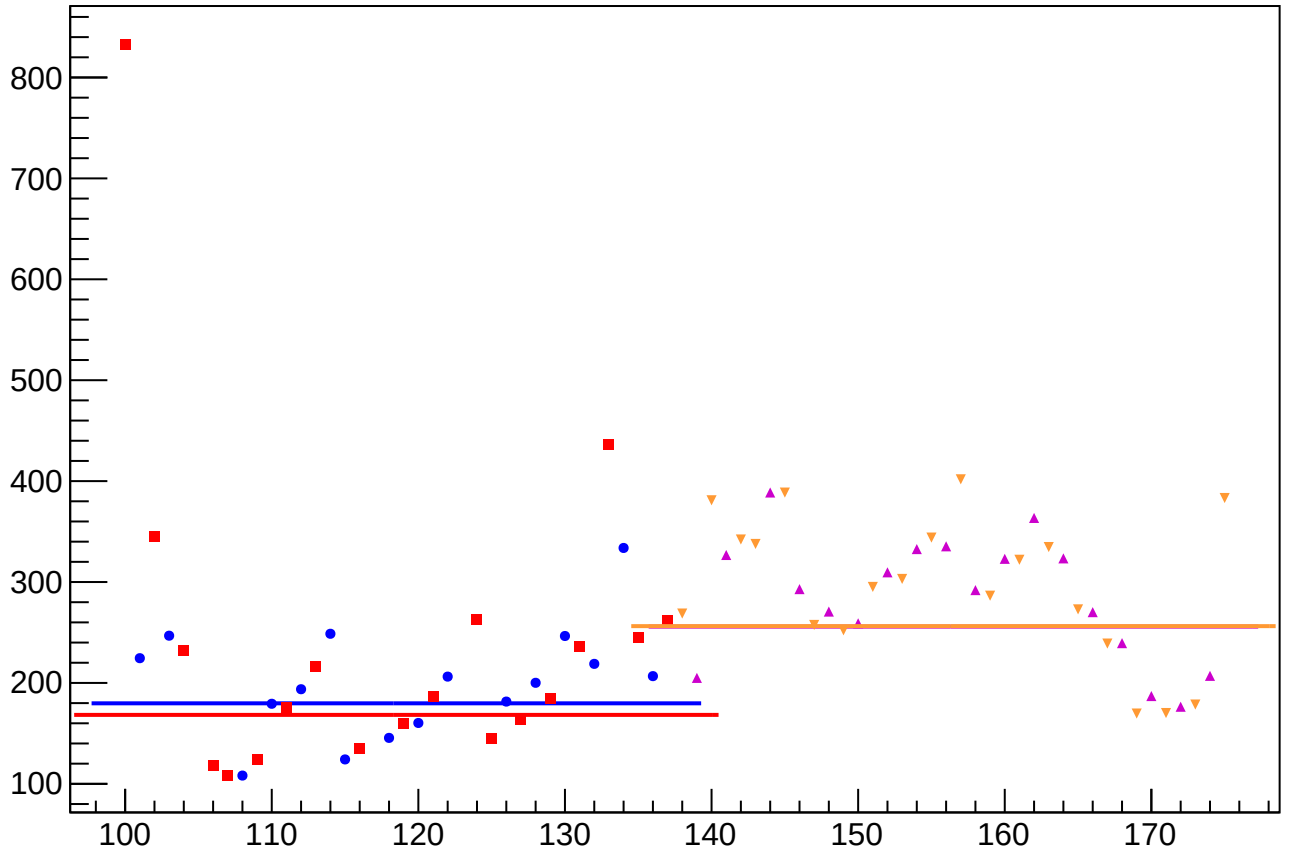
Left: 0.006+/-0.048 χ^2/NDF: 49.4/37

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.013+/-0.034 χ^2/NDF: 79.6/72



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

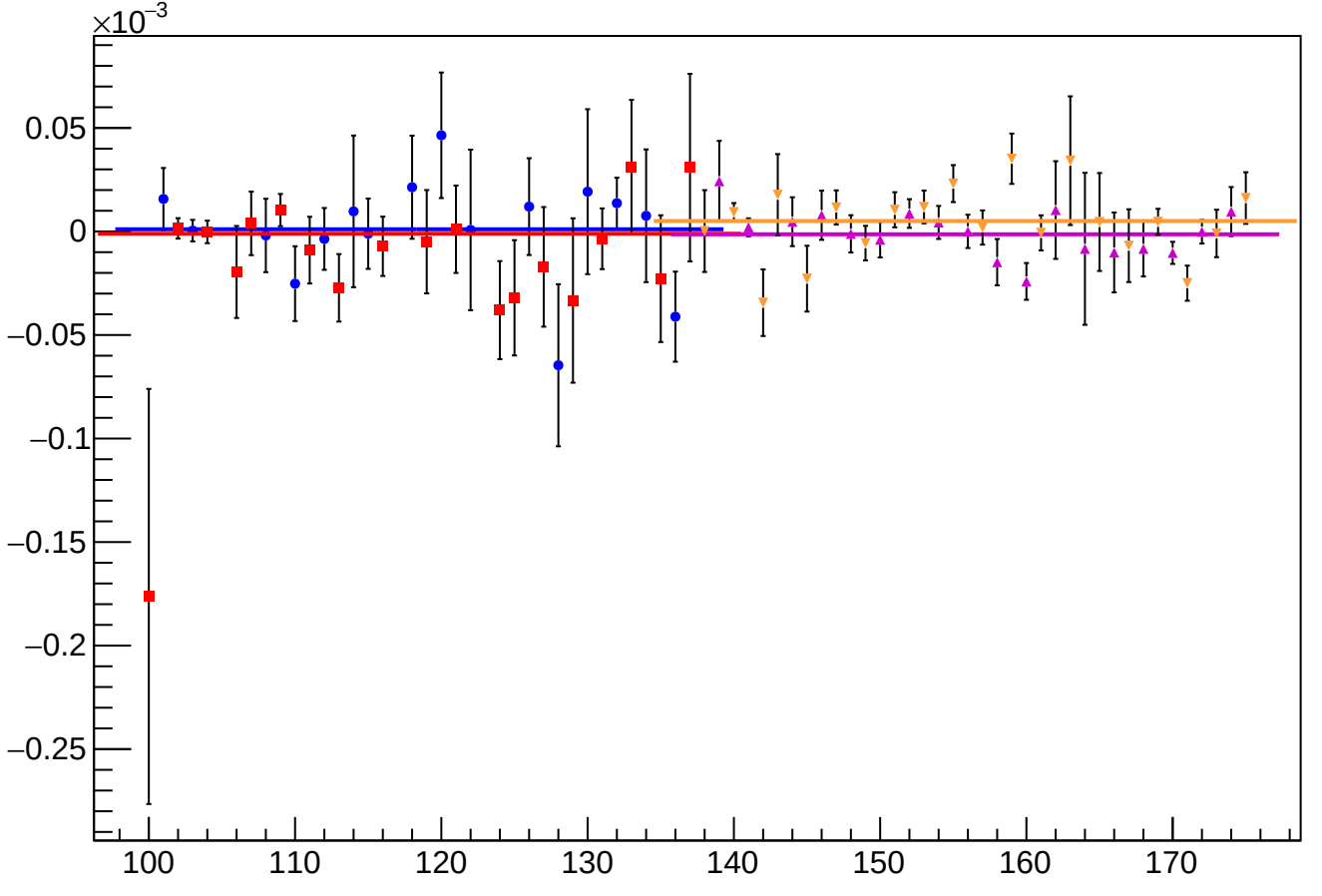
Left: 256.052+/-0.034 χ^2/NDF: 3914462.6/37

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.529+/-0.035 χ^2/NDF:3670247.4/33

Out: 212.167+/-0.034 χ^2/NDF:5439633.7/38

All: 215.248+/-0.024 χ^2/NDF: 9126969.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.7/19

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

Left In: -0.000+/-0.000 χ^2/NDF:18.5/17

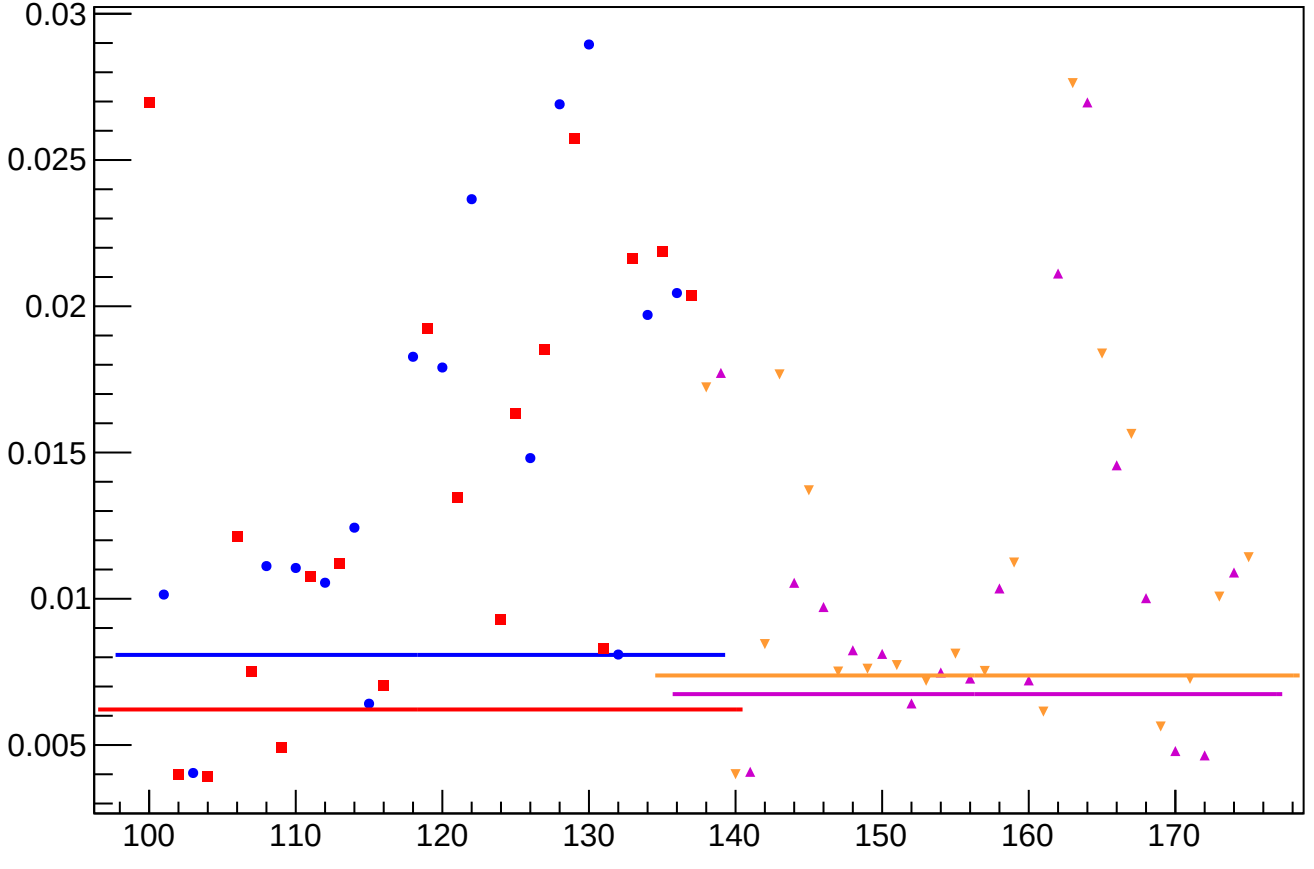
Left: 0.000+/-0.000 χ^2/NDF: 63.1/37

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:33.1/33

Out: 0.000+/-0.000 χ^2/NDF:58.8/38

All: 0.000+/-0.000 χ^2/NDF: 94.2/72



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5032434.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4646855.1/17

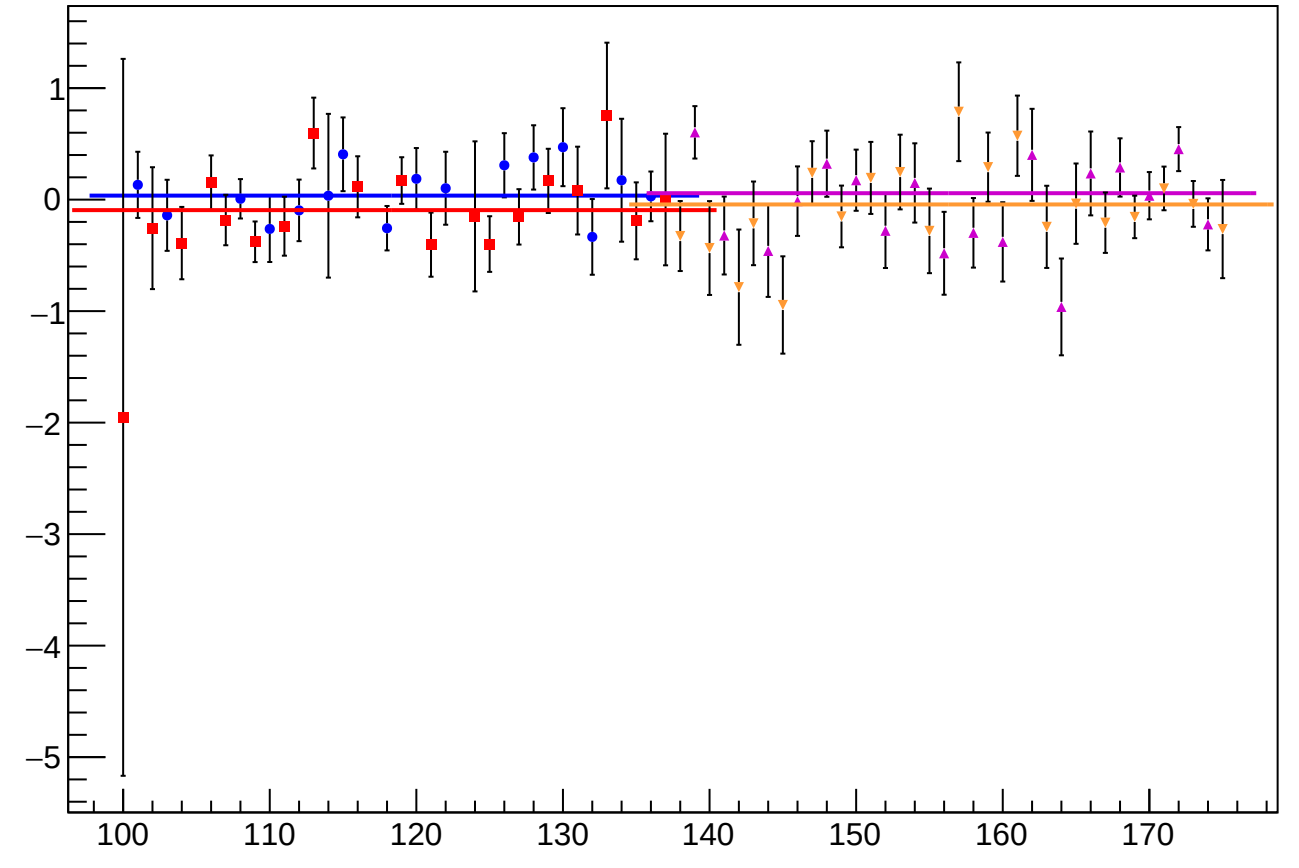
Left: 0.007+/-0.000 χ^2/NDF: 9777553.7/37

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:9262849.8/33

Out: 0.007+/-0.000 χ^2/NDF:9814279.1/38

All: 0.007+/-0.000 χ^2/NDF: 19078873.6/72



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

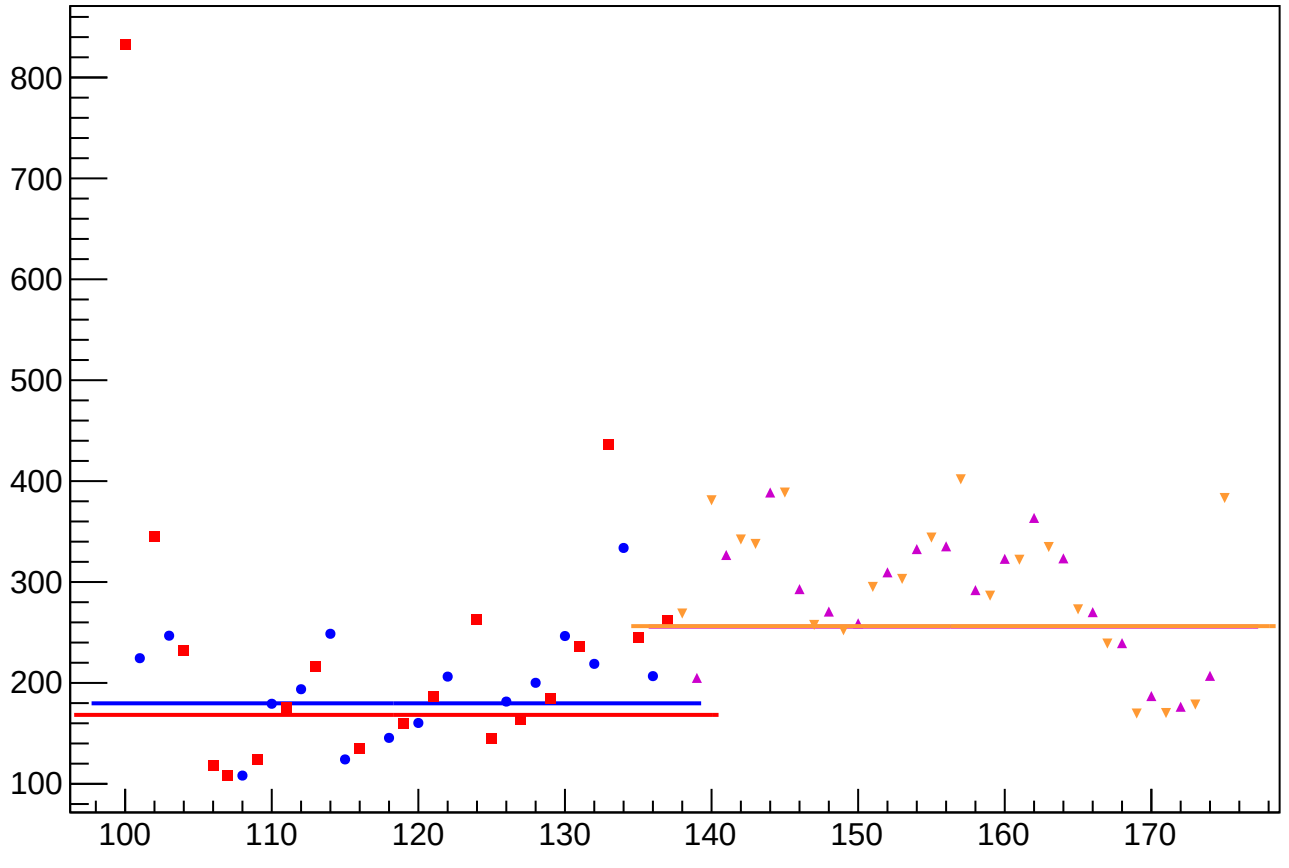
Left: 0.006+/-0.048 χ^2/NDF: 49.4/37

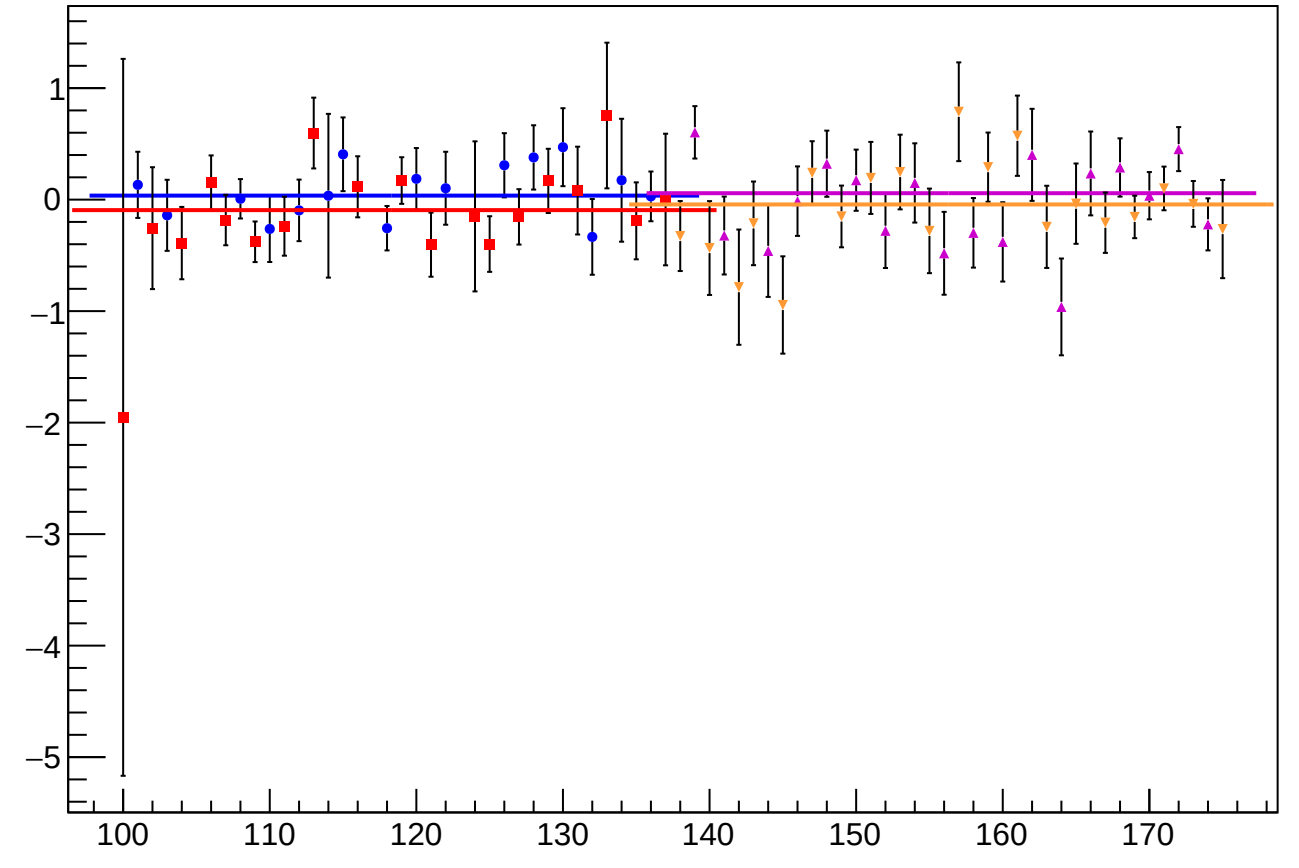
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.013+/-0.034 χ^2/NDF: 79.6/72


asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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: 256.285+/-0.048 χ²/NDF:2344962.6/19
Right Out: 168.334+/-0.048 χ²/NDF: 1409289.2/18
Left In: 255.815+/-0.049 χ²/NDF:1569628.5/17
Left: 256.055+/-0.034 χ²/NDF: 3914638.0/37
Right: 173.819+/-0.035 χ²/NDF: 2355358.4/34
In: 218.528+/-0.035 χ²/NDF:3670512.0/33
Out: 212.167+/-0.034 χ²/NDF:5439810.6/38
All: 215.248+/-0.024 χ²/NDF: 9127405.5/72



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

Left: 0.006+/-0.048 χ^2/NDF: 49.4/37

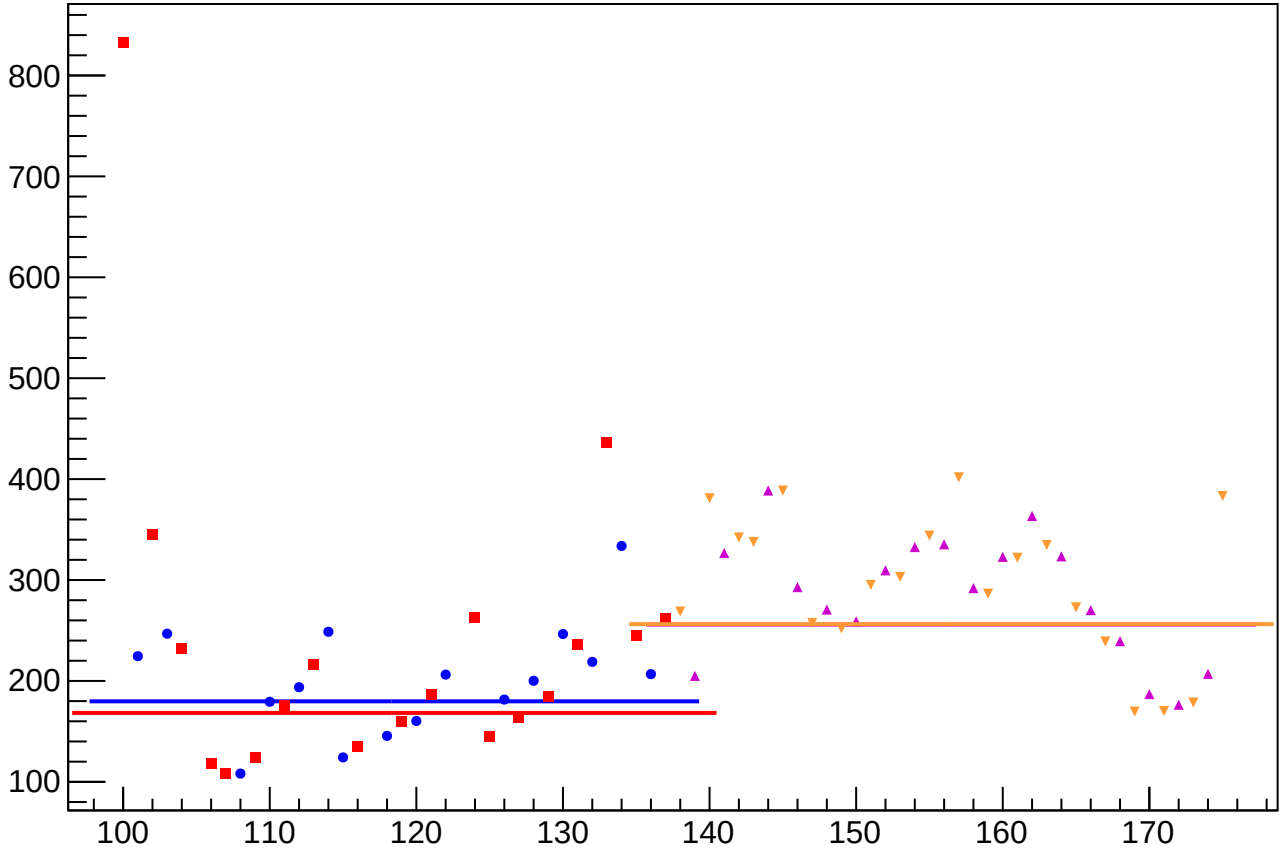
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.013+/-0.034 χ^2/NDF: 79.6/72

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 256.285+/-0.048 χ^2/NDF:2344962.6/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.815+/-0.049 χ^2/NDF:1569628.5/17

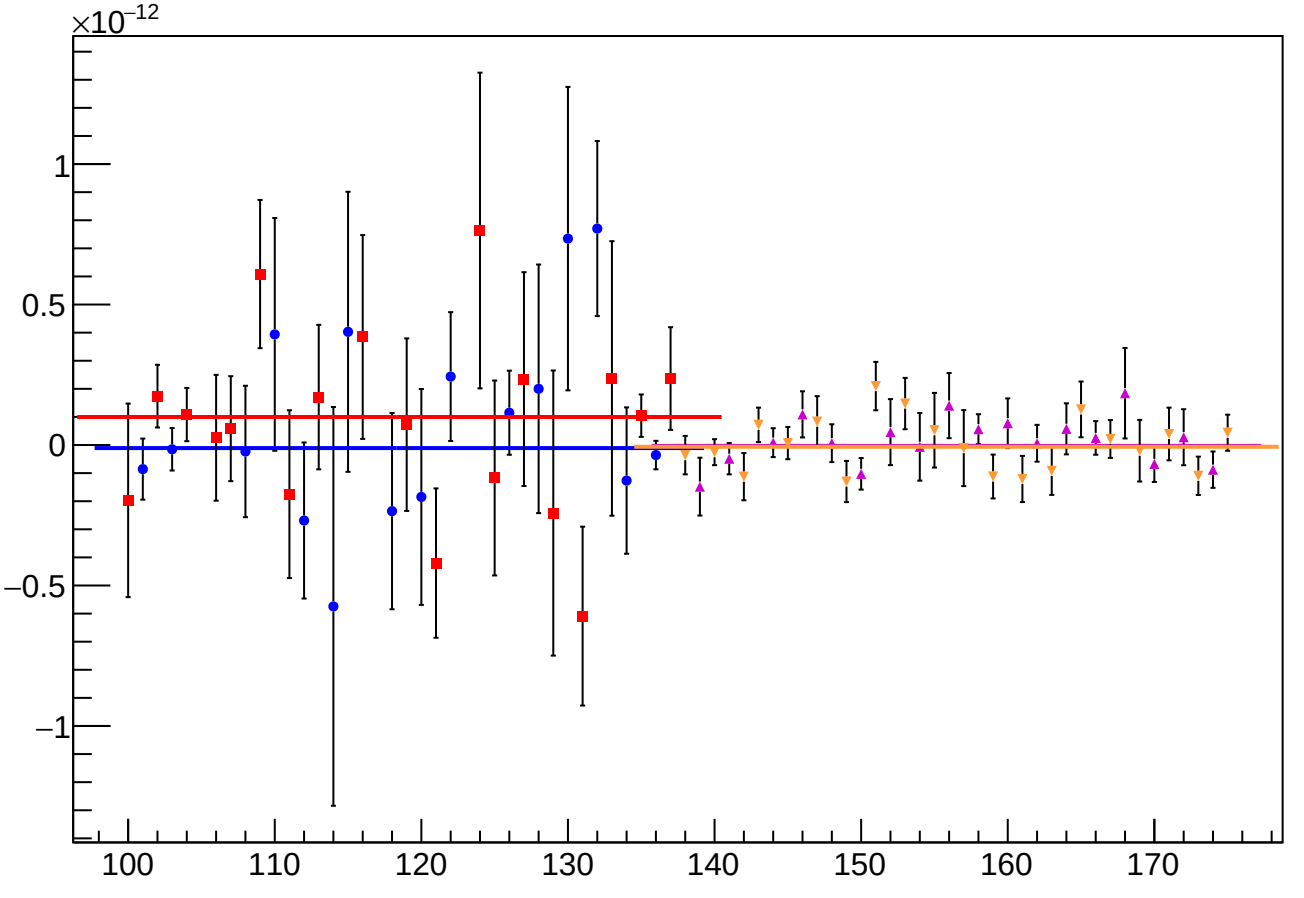
Left: 256.055+/-0.034 χ^2/NDF: 3914638.0/37

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.528+/-0.035 χ^2/NDF:3670512.0/33

Out: 212.167+/-0.034 χ^2/NDF:5439810.6/38

All: 215.248+/-0.024 χ^2/NDF: 9127405.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/17

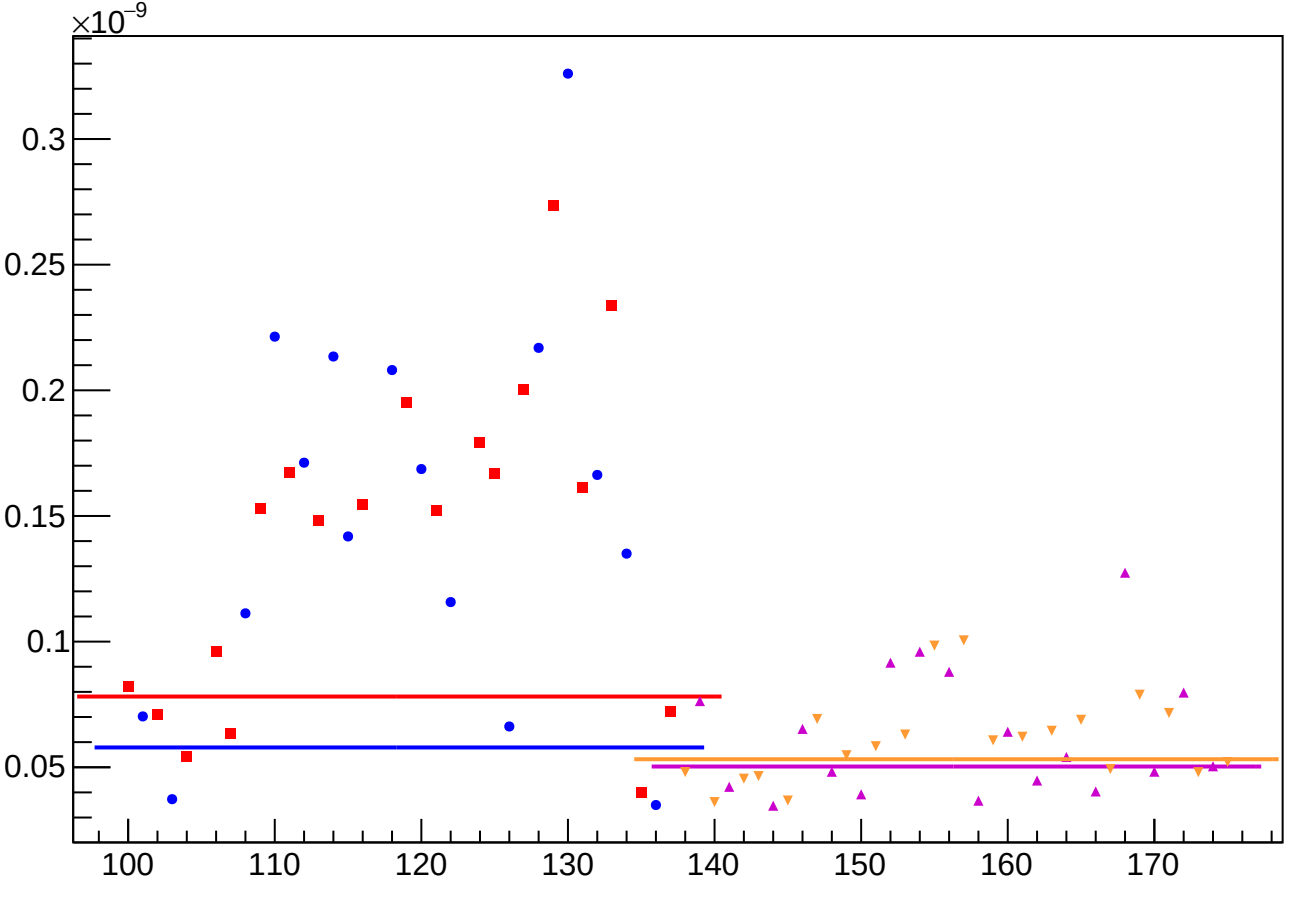
Left: -0.000+/-0.000 χ^2/NDF: 43.1/37

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:31.4/33

Out: 0.000+/-0.000 χ^2/NDF:50.5/38

All: 0.000+/-0.000 χ^2/NDF: 82.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390065.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2133309.7/17

Left: 0.000+/-0.000 χ^2/NDF: 3552648.8/37

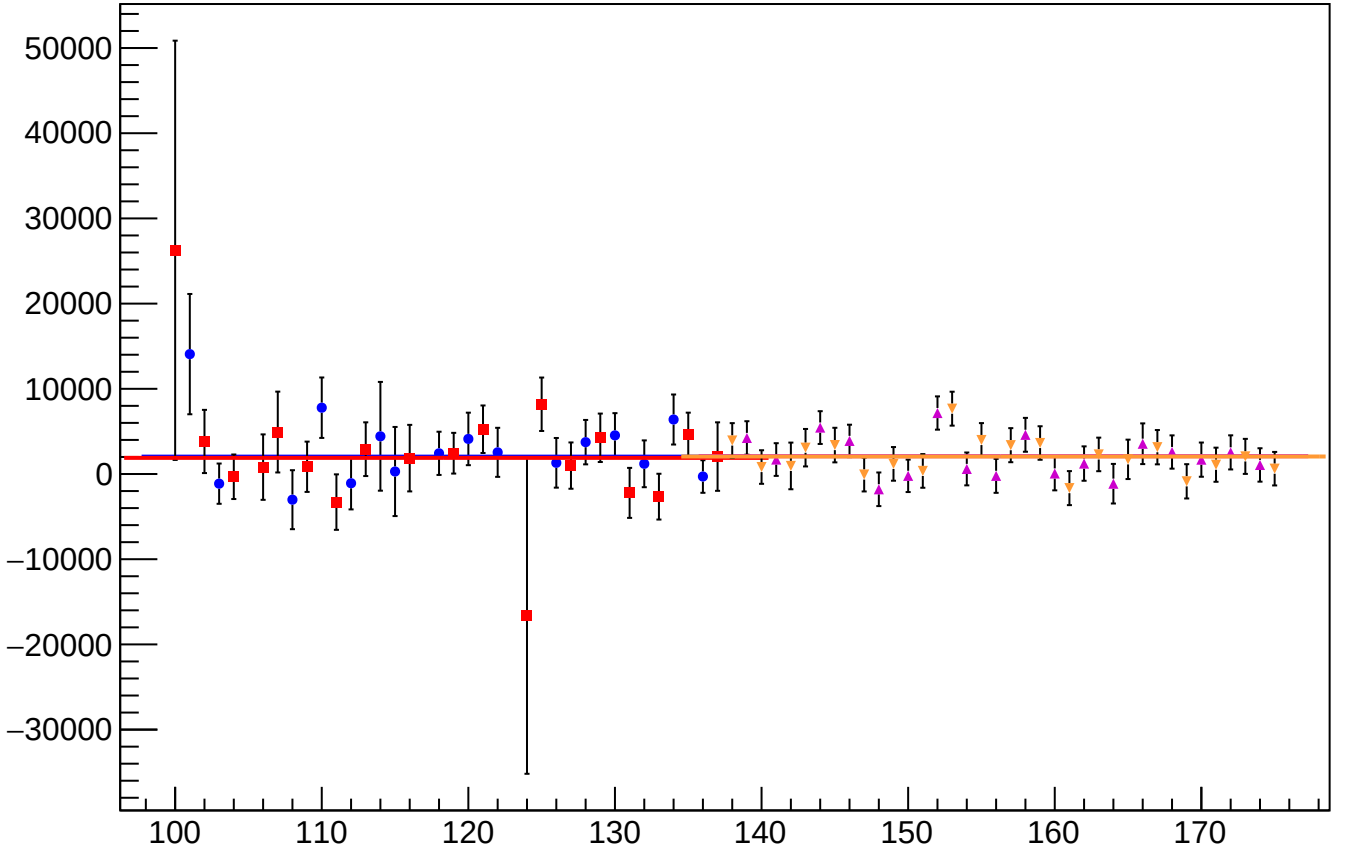
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5531321.5/33

Out: 0.000+/-0.000 χ^2/NDF:4725851.3/38

All: 0.000+/-0.000 χ^2/NDF: 10358069.9/72

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.317+/-456.701 χ^2/NDF:20.8/19

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2091.469+/-470.029 χ^2/NDF:24.7/17

Left: 2072.359+/-327.547 χ^2/NDF: 45.5/37

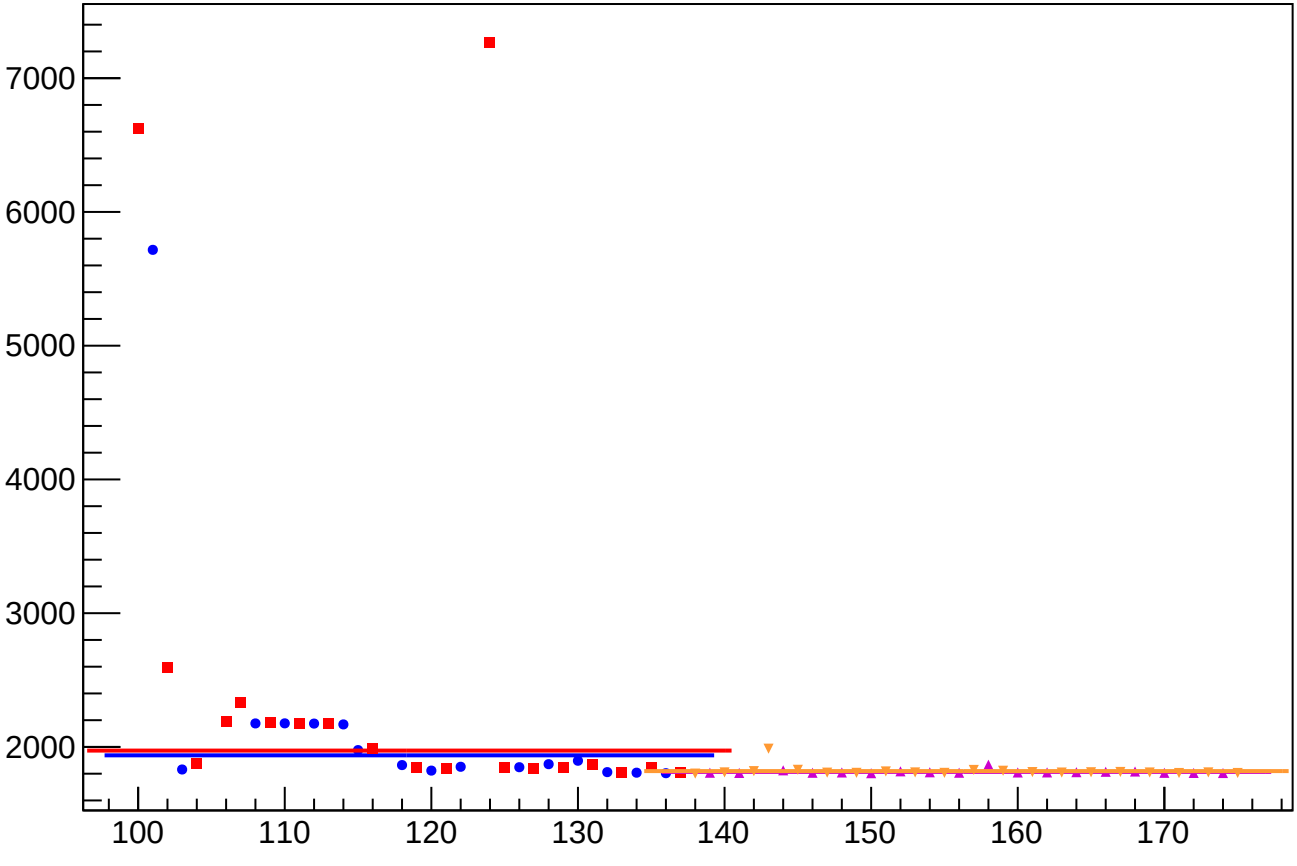
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2076.336+/-396.172 χ^2/NDF:41.2/33

Out: 2010.160+/-388.173 χ^2/NDF:39.3/38

All: 2042.573+/-277.265 χ^2/NDF: 80.5/72

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

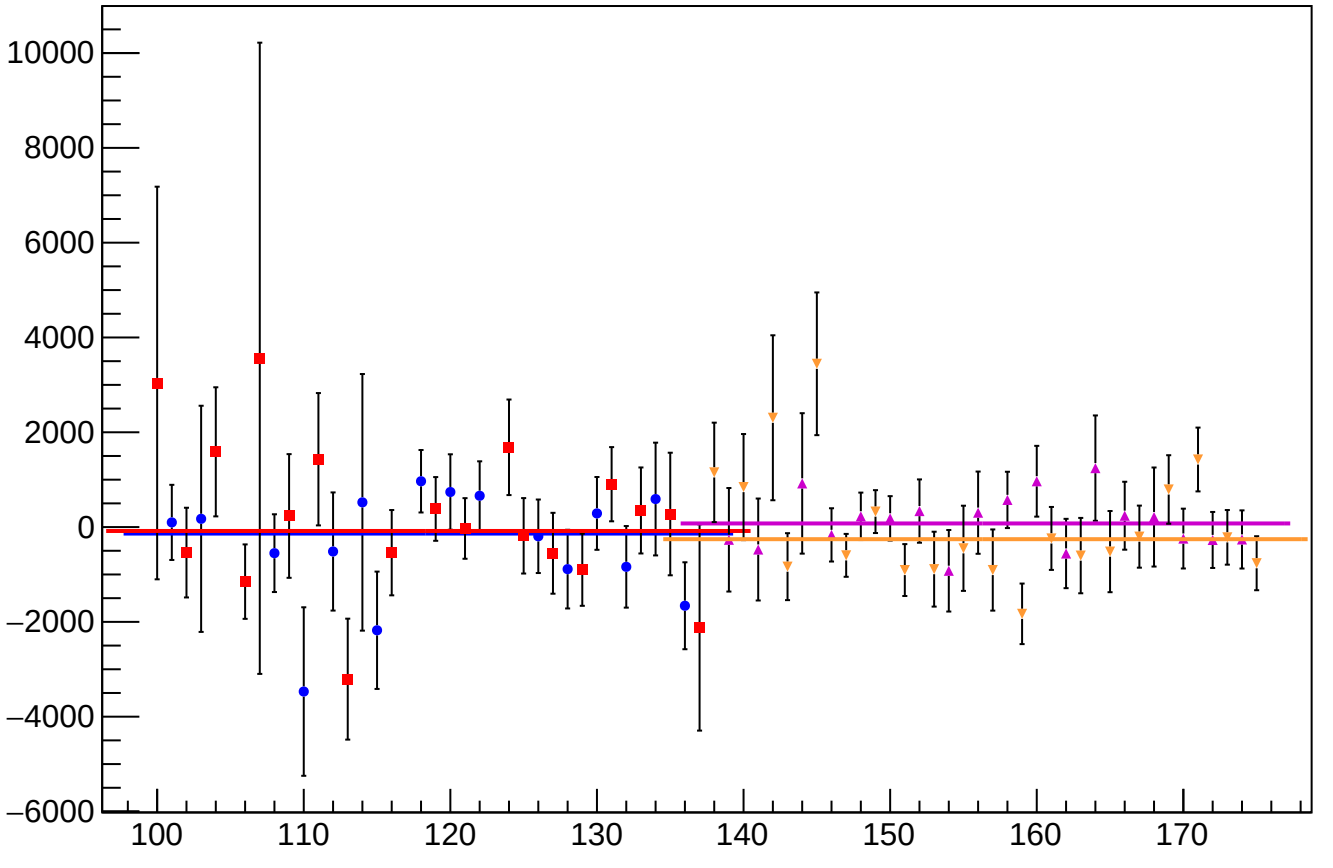
Left: 1816.405+/-0.232 χ^2/NDF: 14646.0/37

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1849.145+/-0.280 χ^2/NDF:680235.3/33

Out: 1861.971+/-0.274 χ^2/NDF:452784.7/38

All: 1855.689+/-0.196 χ^2/NDF: 1134089.4/72



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -255.326+/-154.288 χ^2/NDF:32.1/19

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 76.460+/-164.379 χ^2/NDF:7.5/17

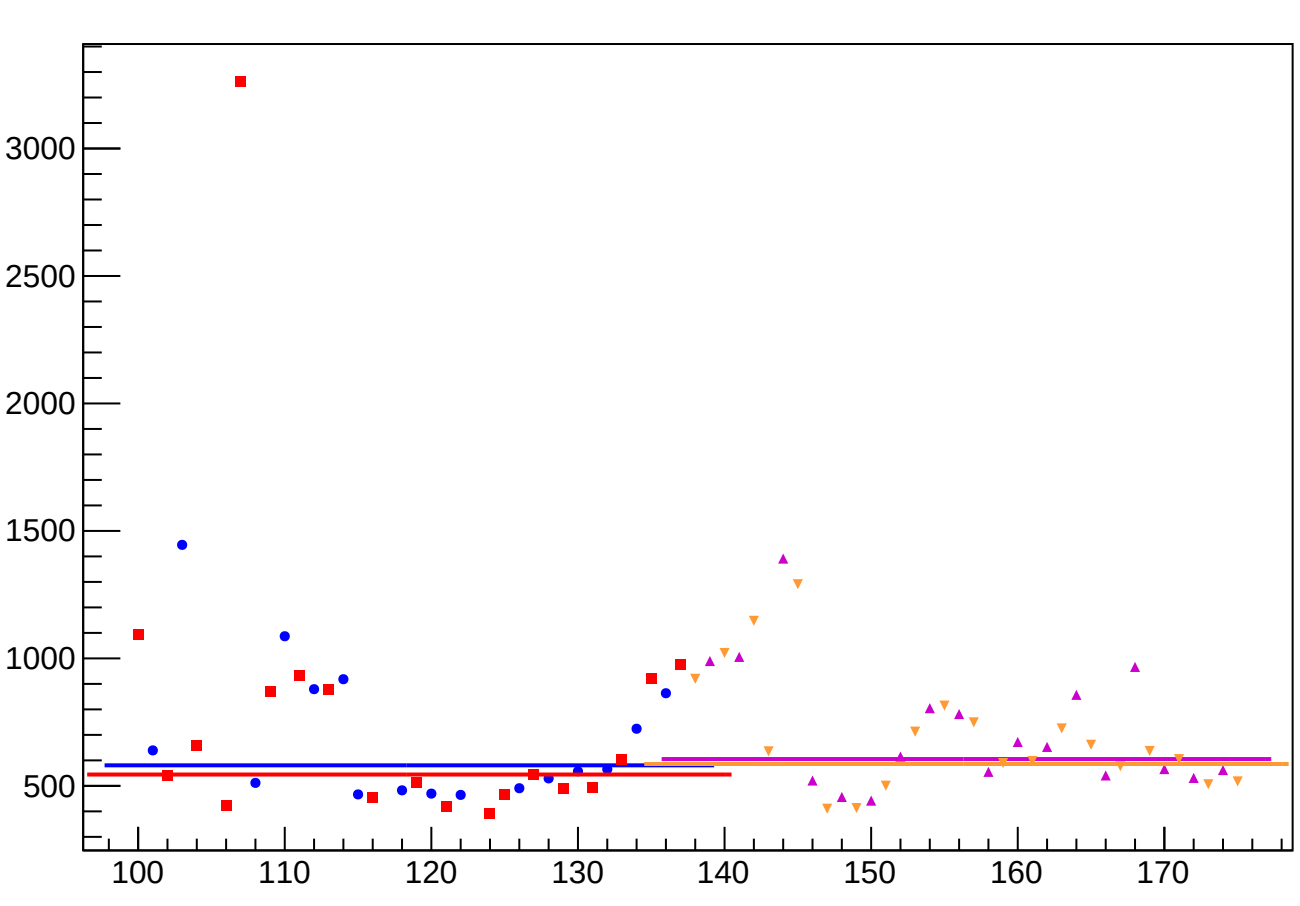
Left: -99.930+/-112.496 χ^2/NDF: 41.8/37

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 4.590+/-133.820 χ^2/NDF:25.0/33

Out: -198.977+/-126.698 χ^2/NDF:52.2/38

All: -102.754+/-92.004 χ^2/NDF: 78.4/72



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 585.802+/-0.109 χ^2/NDF:2214364.3/19

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 605.243+/-0.116 χ^2/NDF:2190378.8/17

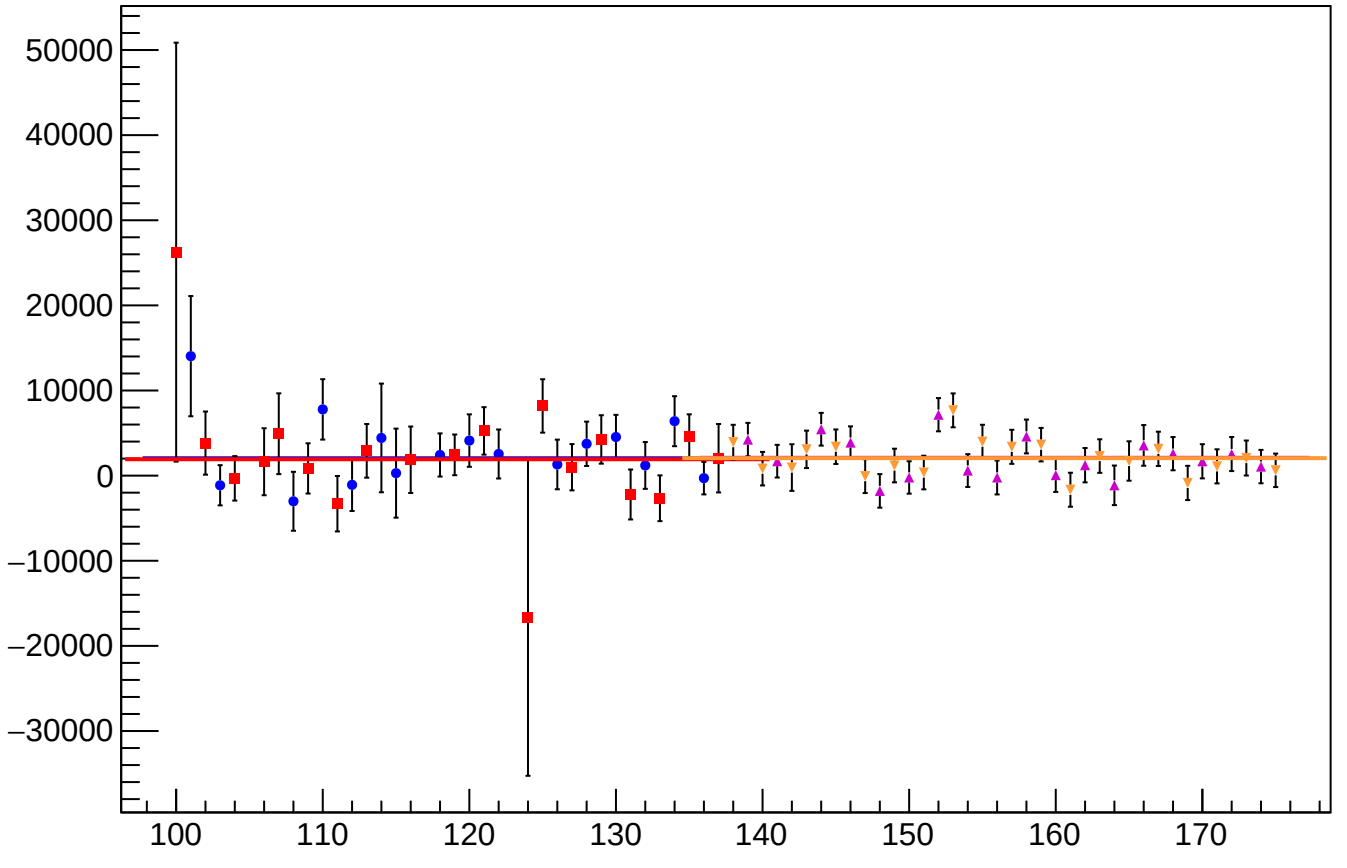
Left: 594.907+/-0.080 χ^2/NDF: 4419616.8/37

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 596.936+/-0.095 χ^2/NDF:3208936.1/33

Out: 572.361+/-0.090 χ^2/NDF:3548611.5/38

All: 583.977+/-0.065 χ^2/NDF: 6793113.2/72



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2091.543+/-470.029 χ^2/NDF:24.7/17

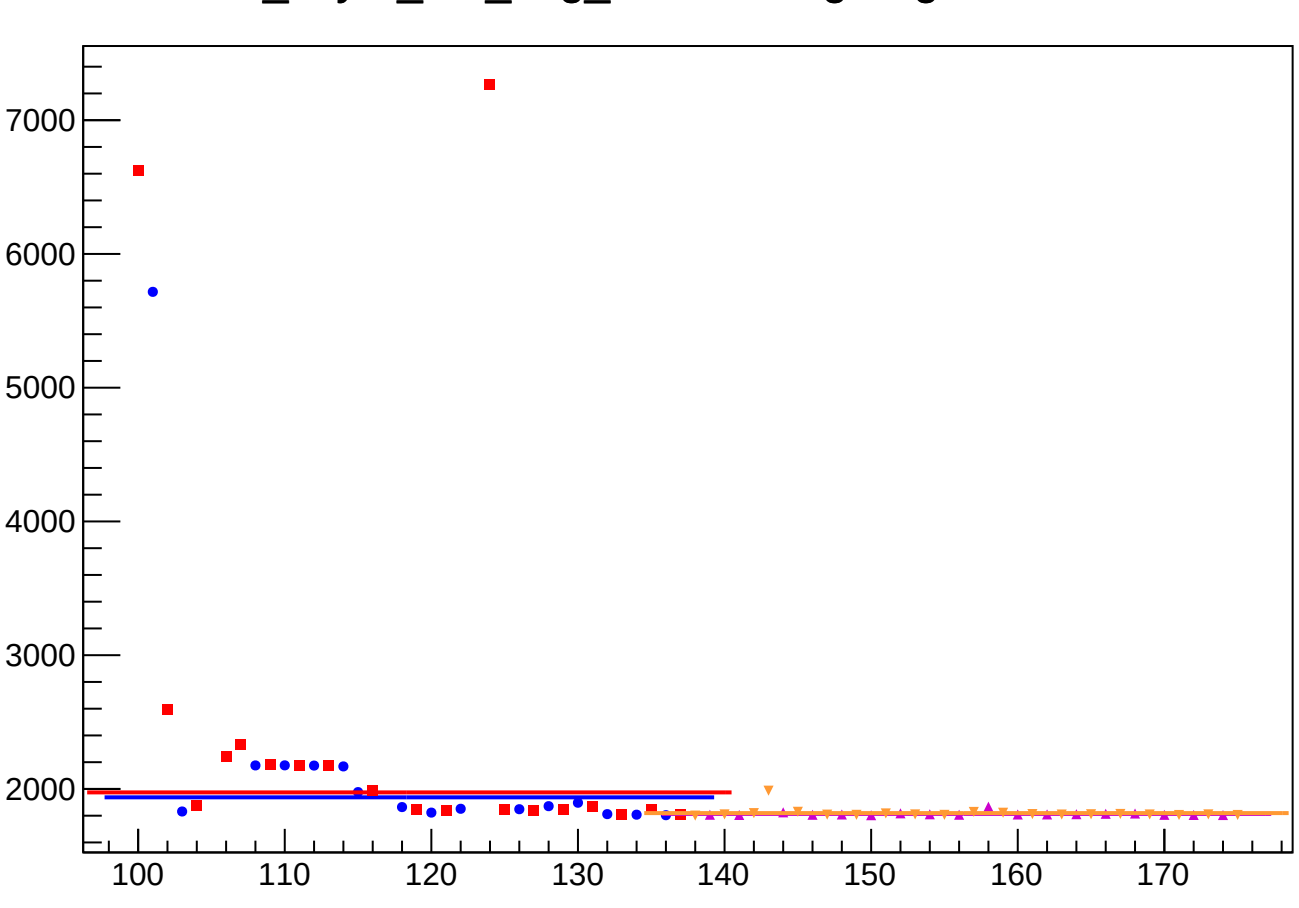
Left: 2072.383+/-327.547 χ^2/NDF: 45.5/37

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2076.282+/-396.172 χ^2/NDF:41.2/33

Out: 2018.800+/-388.268 χ^2/NDF:39.2/38

All: 2046.962+/-277.299 χ^2/NDF: 80.4/72



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

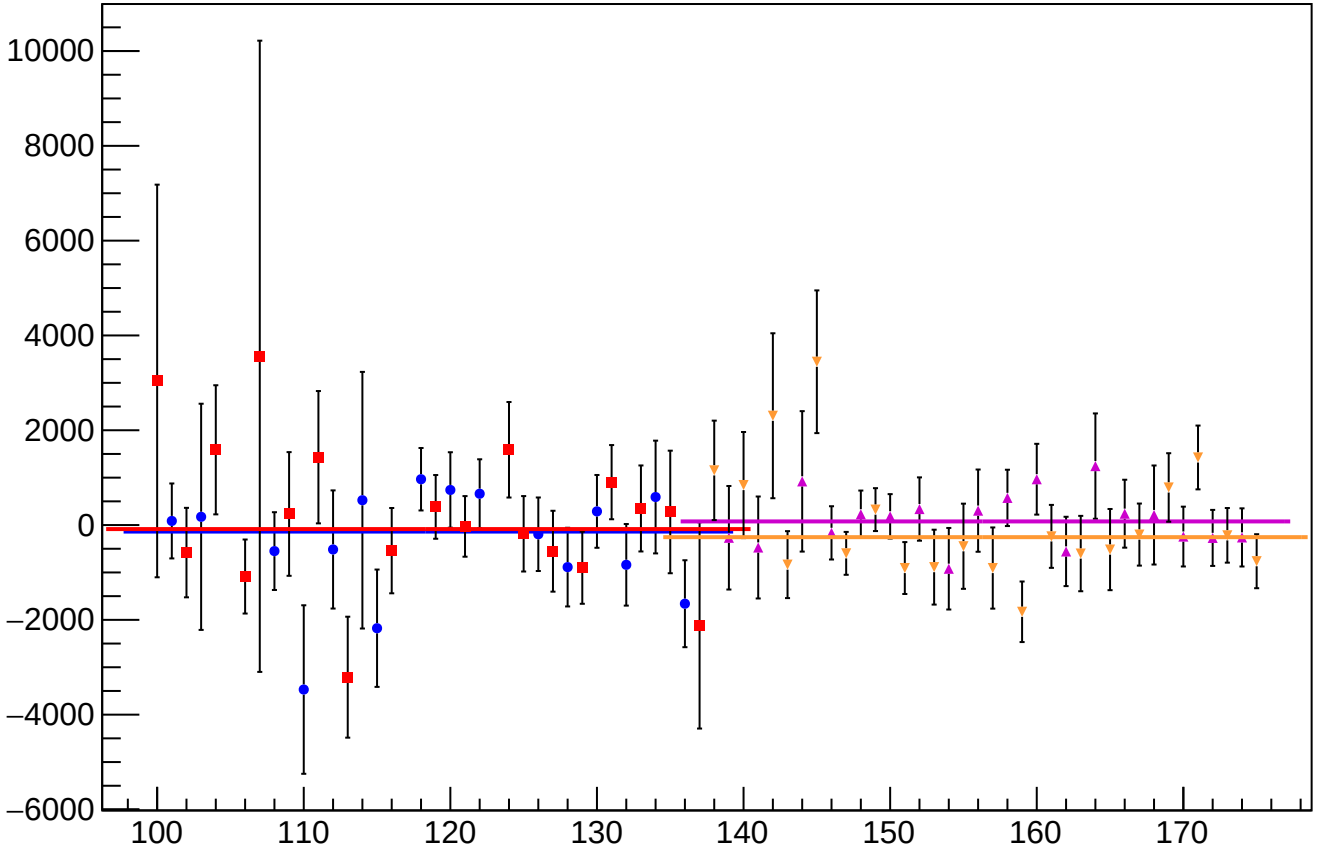
Left: 1816.405+/-0.232 χ^2/NDF: 14646.0/37

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1849.145+/-0.280 χ^2/NDF:680235.3/33

Out: 1862.303+/-0.275 χ^2/NDF:456741.0/38

All: 1855.857+/-0.196 χ^2/NDF: 1138101.6/72



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 76.510+/-164.381 χ^2/NDF:7.5/17

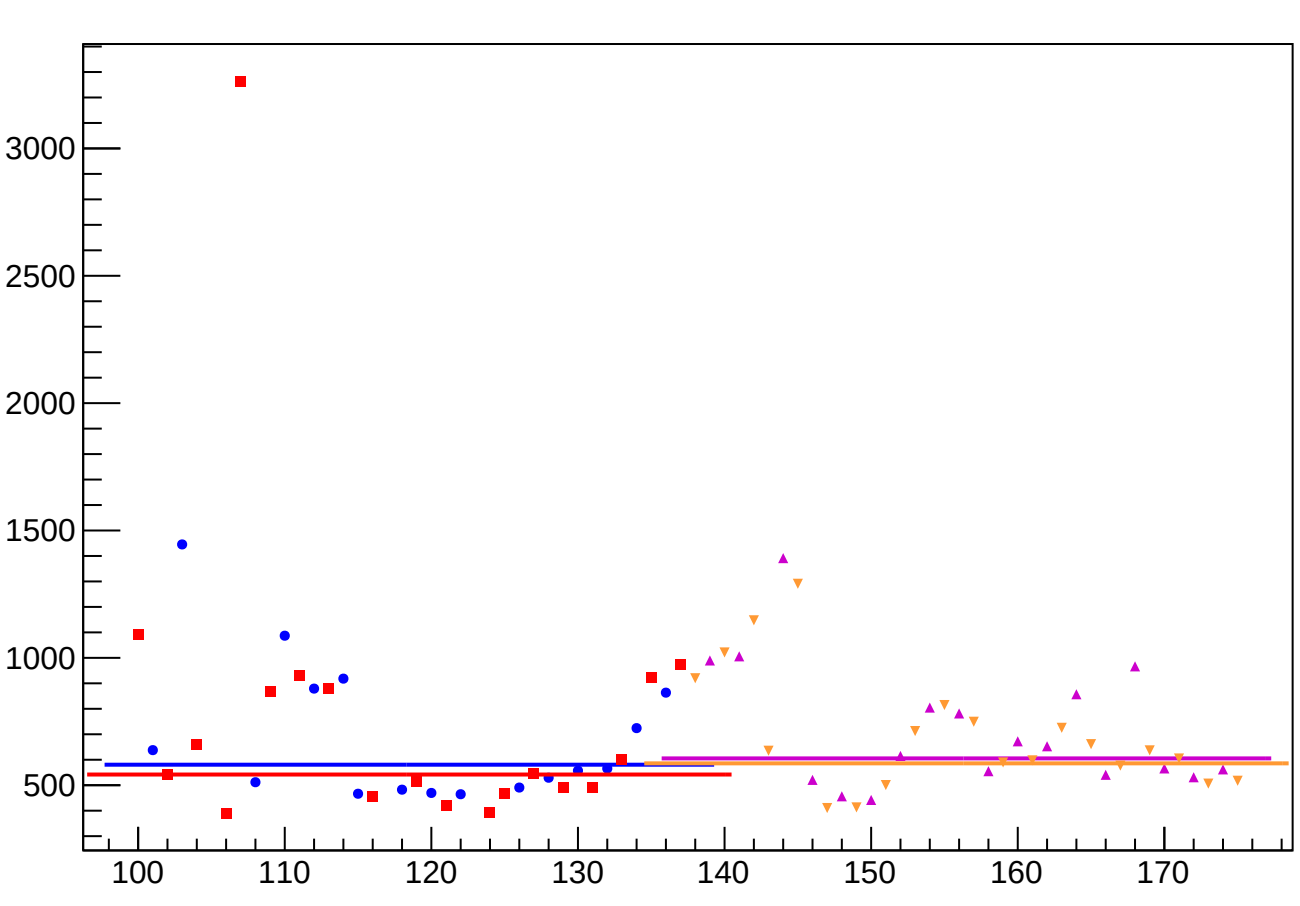
Left: -99.953+/-112.497 χ^2/NDF: 41.8/37

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 4.316+/-133.811 χ^2/NDF:25.0/33

Out: -199.851+/-126.673 χ^2/NDF:51.7/38

All: -103.359+/-91.991 χ^2/NDF: 78.0/72



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

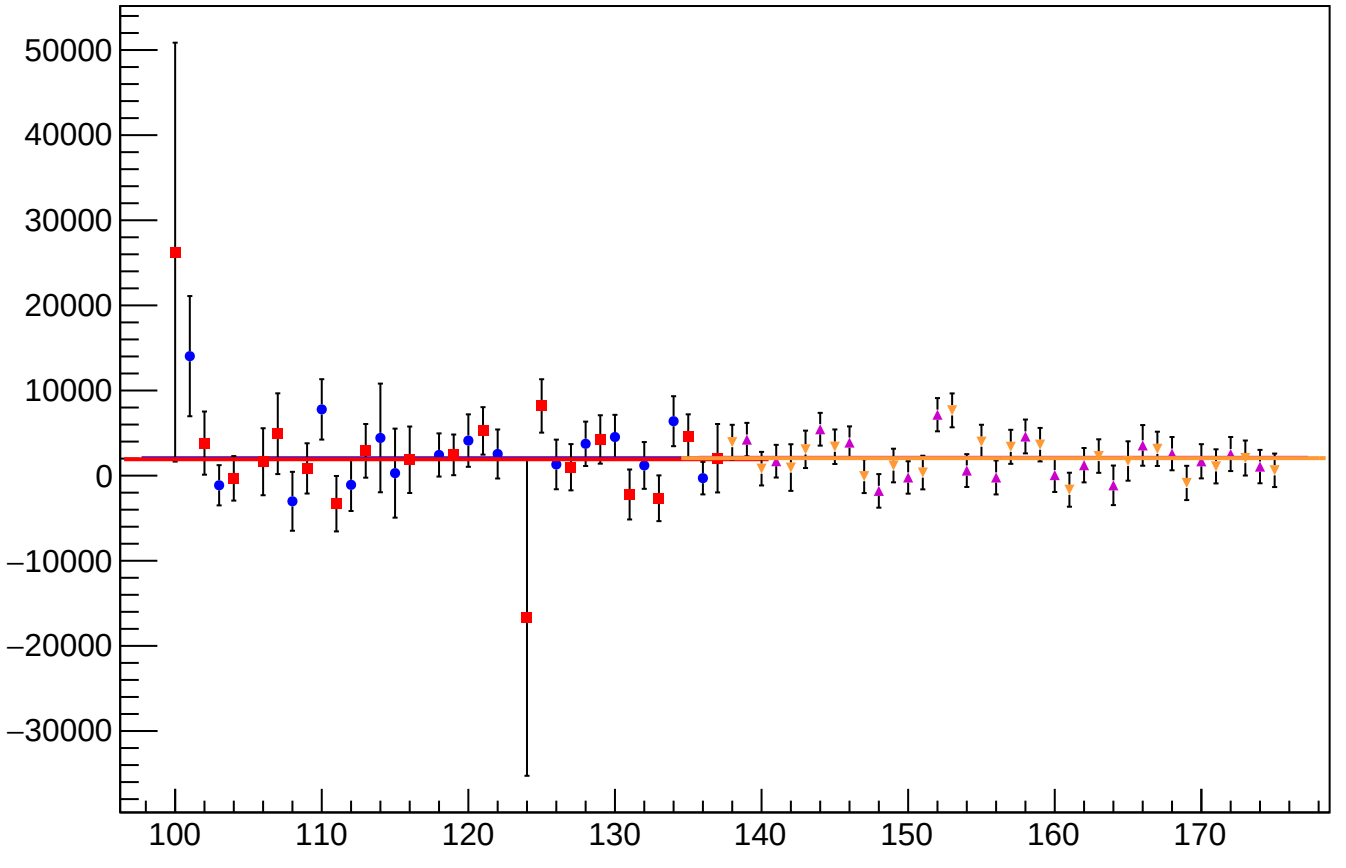
Left: 594.909+/-0.080 χ^2/NDF: 4419785.4/37

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 596.906+/-0.095 χ^2/NDF:3208585.5/33

Out: 571.504+/-0.090 χ^2/NDF:3586017.7/38

All: 583.510+/-0.065 χ^2/NDF: 6832614.5/72



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2091.543+/-470.029 χ^2/NDF:24.7/17

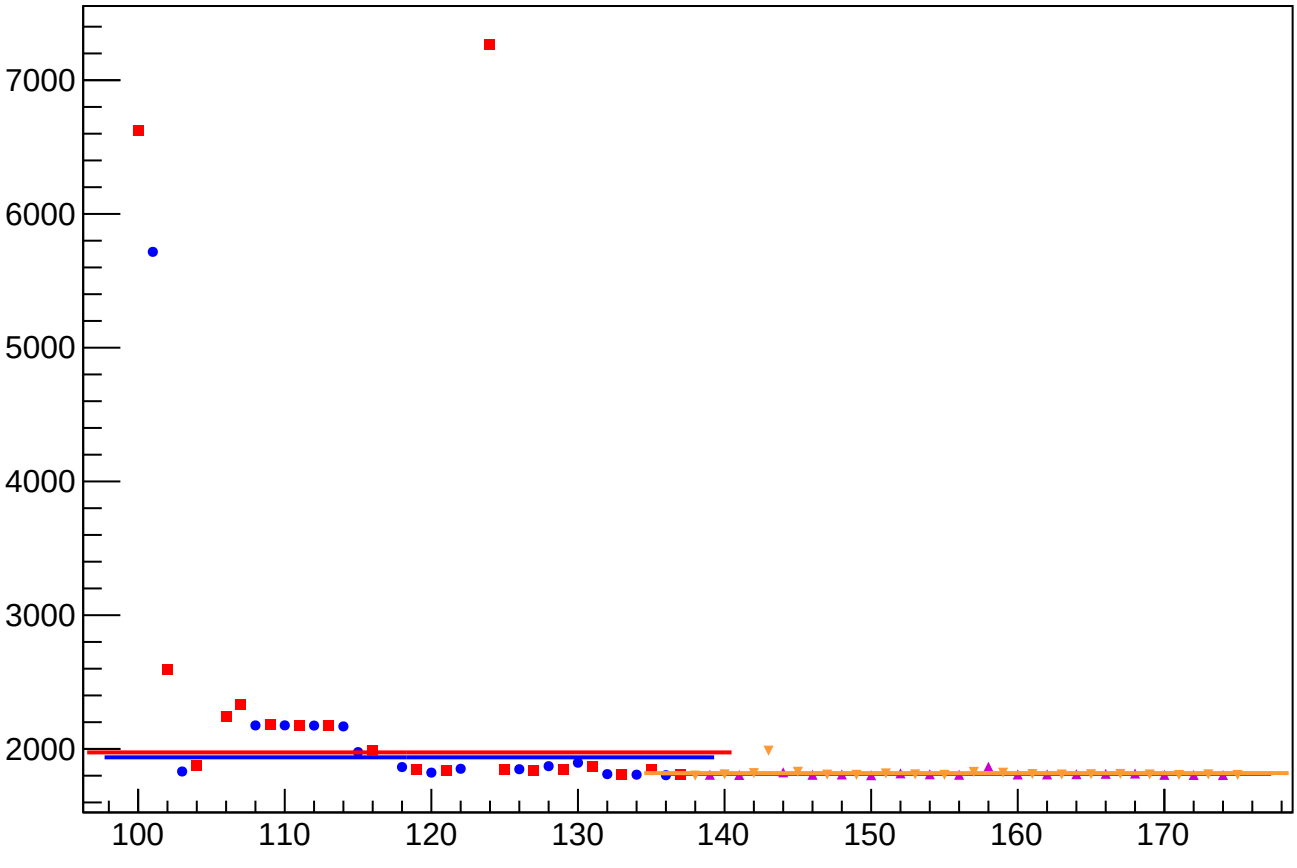
Left: 2072.383+/-327.547 χ^2/NDF: 45.5/37

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2076.282+/-396.172 χ^2/NDF:41.2/33

Out: 2018.800+/-388.268 χ^2/NDF:39.2/38

All: 2046.962+/-277.299 χ^2/NDF: 80.4/72



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

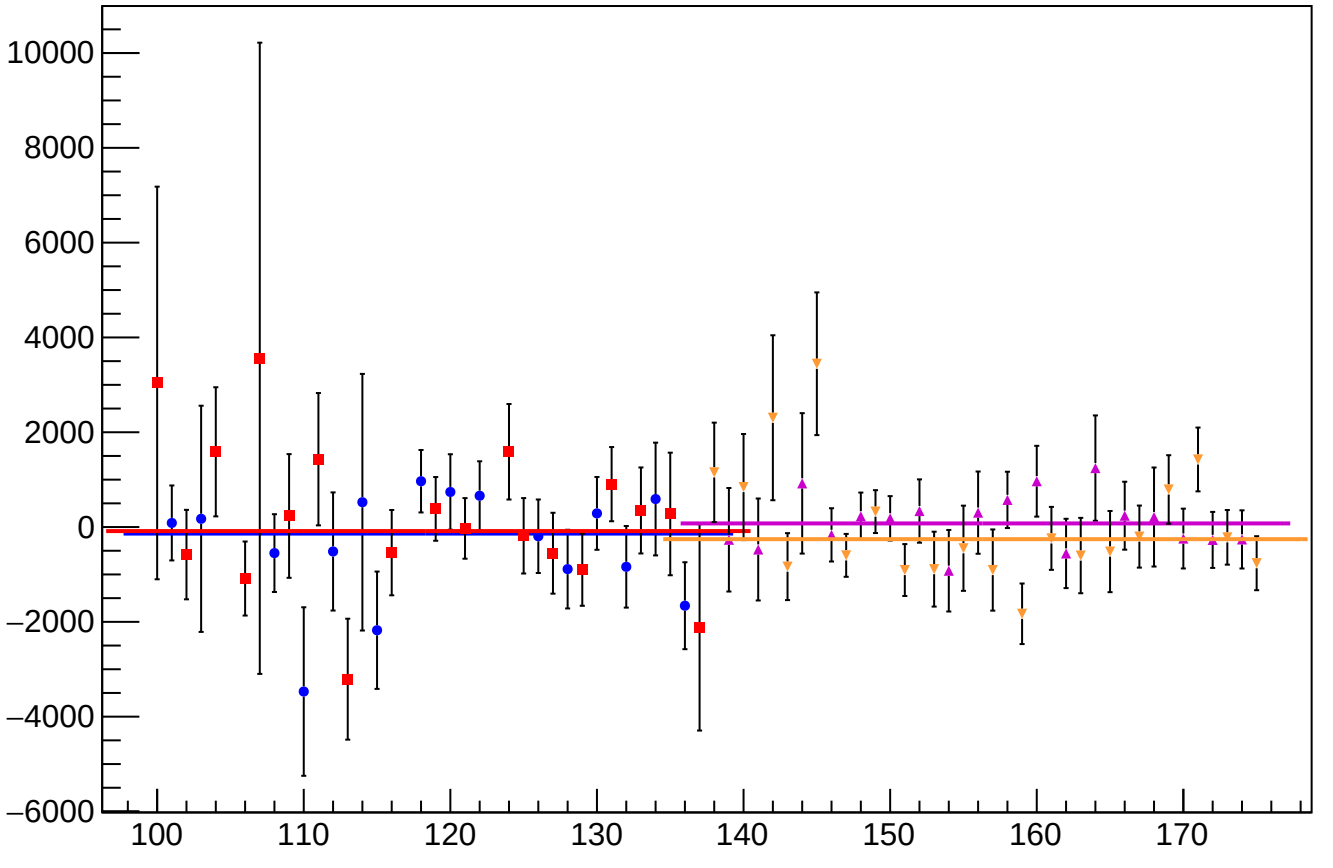
Left: 1816.405+/-0.232 χ^2/NDF: 14646.0/37

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1849.145+/-0.280 χ^2/NDF:680235.3/33

Out: 1862.303+/-0.275 χ^2/NDF:456741.0/38

All: 1855.857+/-0.196 χ^2/NDF: 1138101.6/72



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 76.510+/-164.381 χ^2/NDF:7.5/17

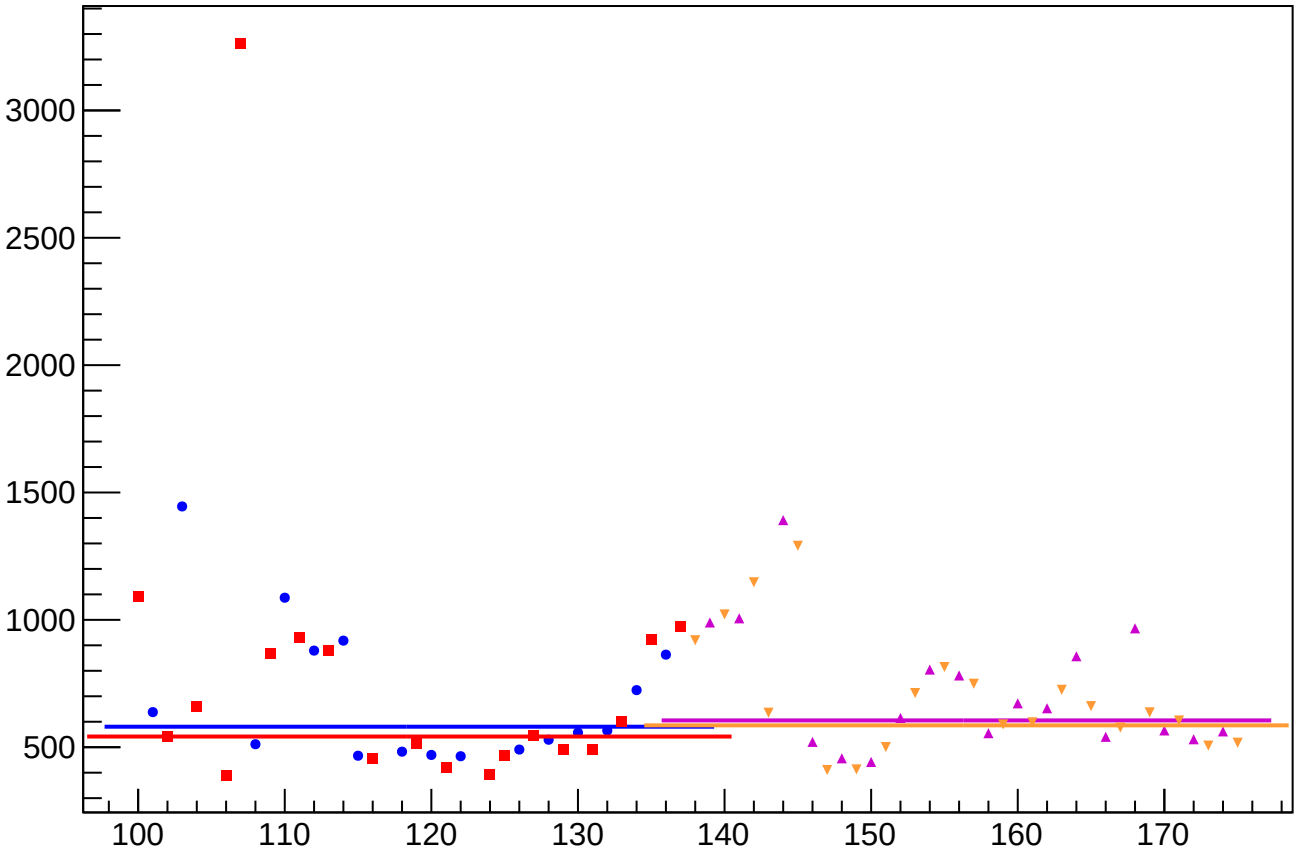
Left: -99.953+/-112.497 χ^2/NDF: 41.8/37

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 4.316+/-133.811 χ^2/NDF:25.0/33

Out: -199.851+/-126.673 χ^2/NDF:51.7/38

All: -103.359+/-91.991 χ^2/NDF: 78.0/72



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

Left: 594.909+/-0.080 χ^2/NDF: 4419785.4/37

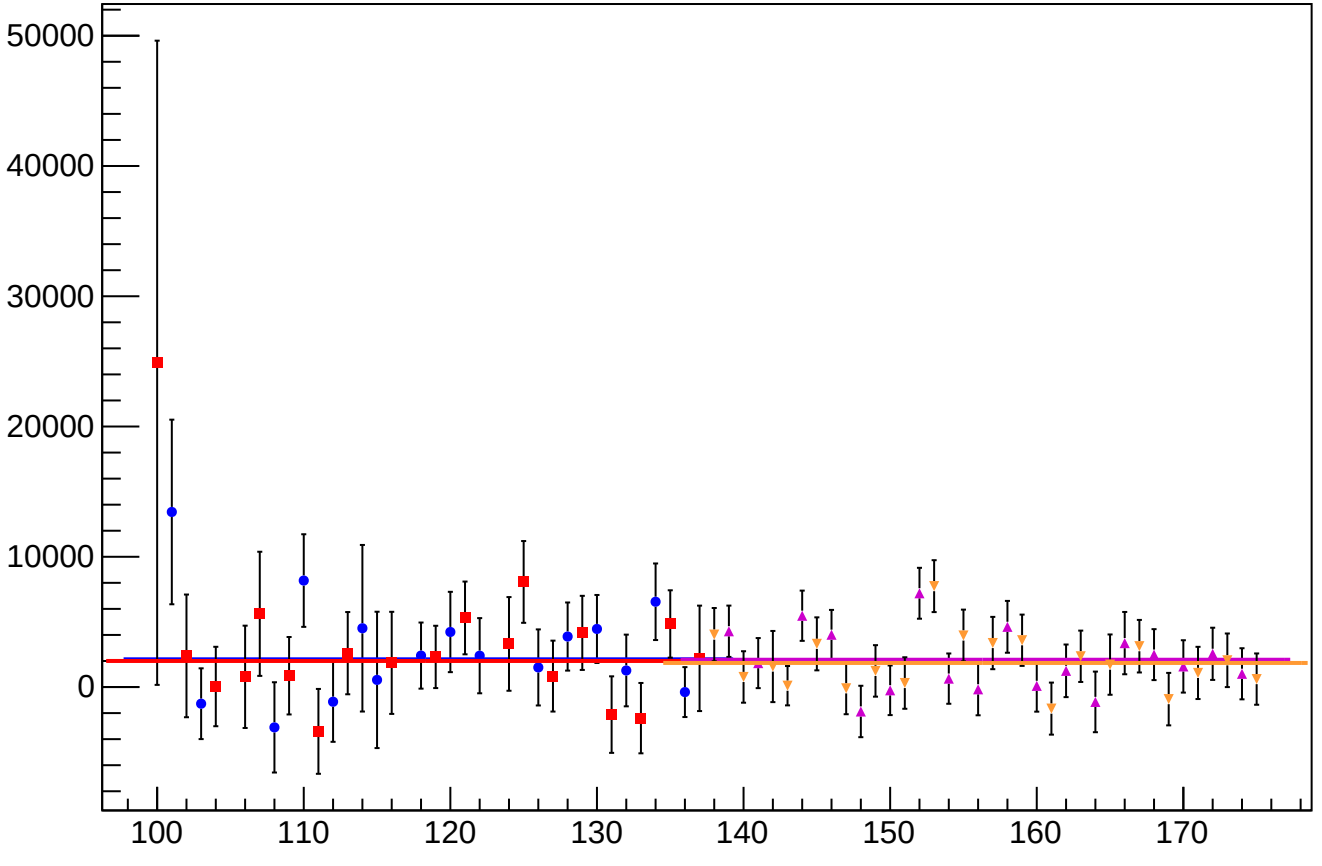
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 596.906+/-0.095 χ^2/NDF:3208585.5/33

Out: 571.504+/-0.090 χ^2/NDF:3586017.7/38

All: 583.510+/-0.065 χ^2/NDF: 6832614.5/72

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2095.556+/-470.518 χ^2/NDF:25.1/17

Left: 1966.253+/-323.873 χ^2/NDF: 47.4/37

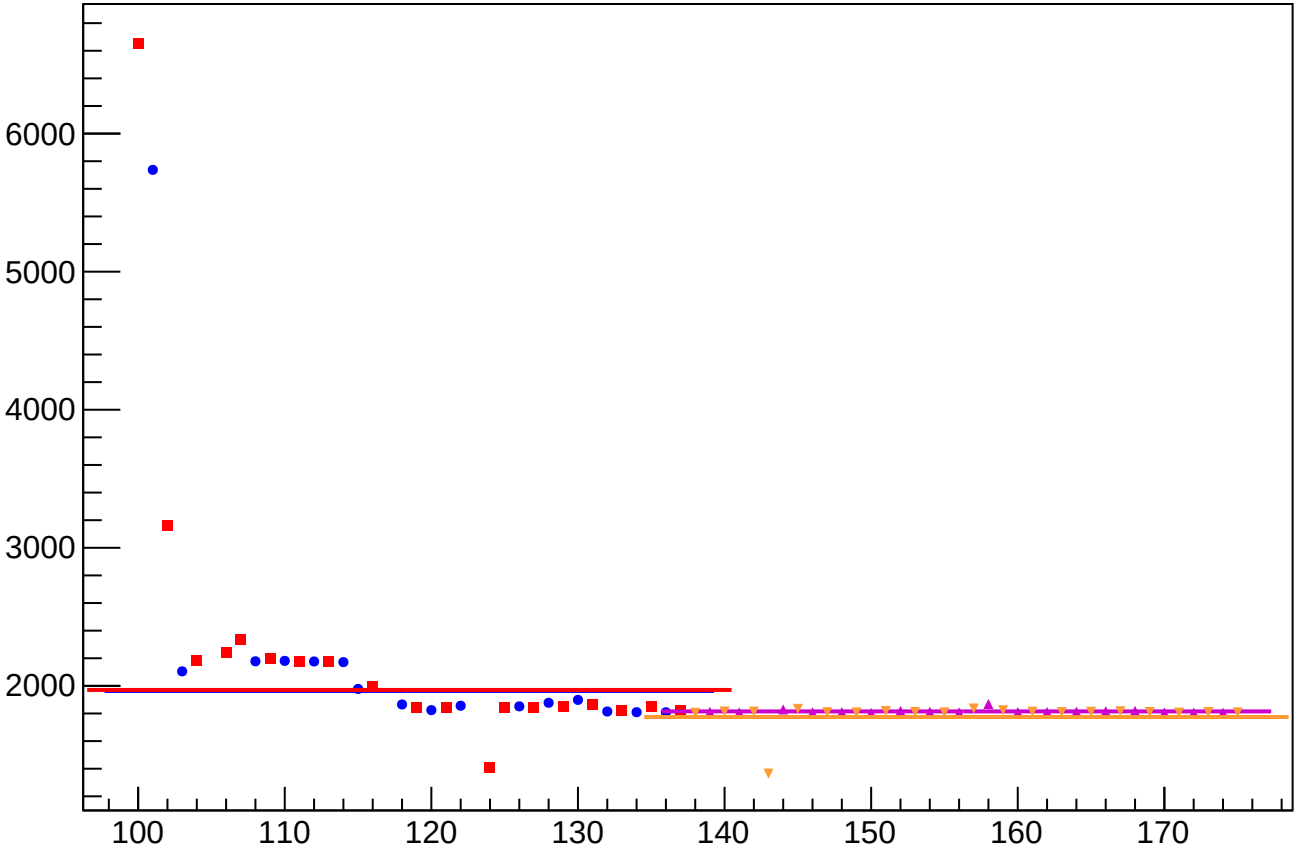
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2104.998+/-398.009 χ^2/NDF:41.6/33

Out: 1890.723+/-381.897 χ^2/NDF:39.0/38

All: 1993.436+/-275.562 χ^2/NDF: 80.7/72

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.6/19

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

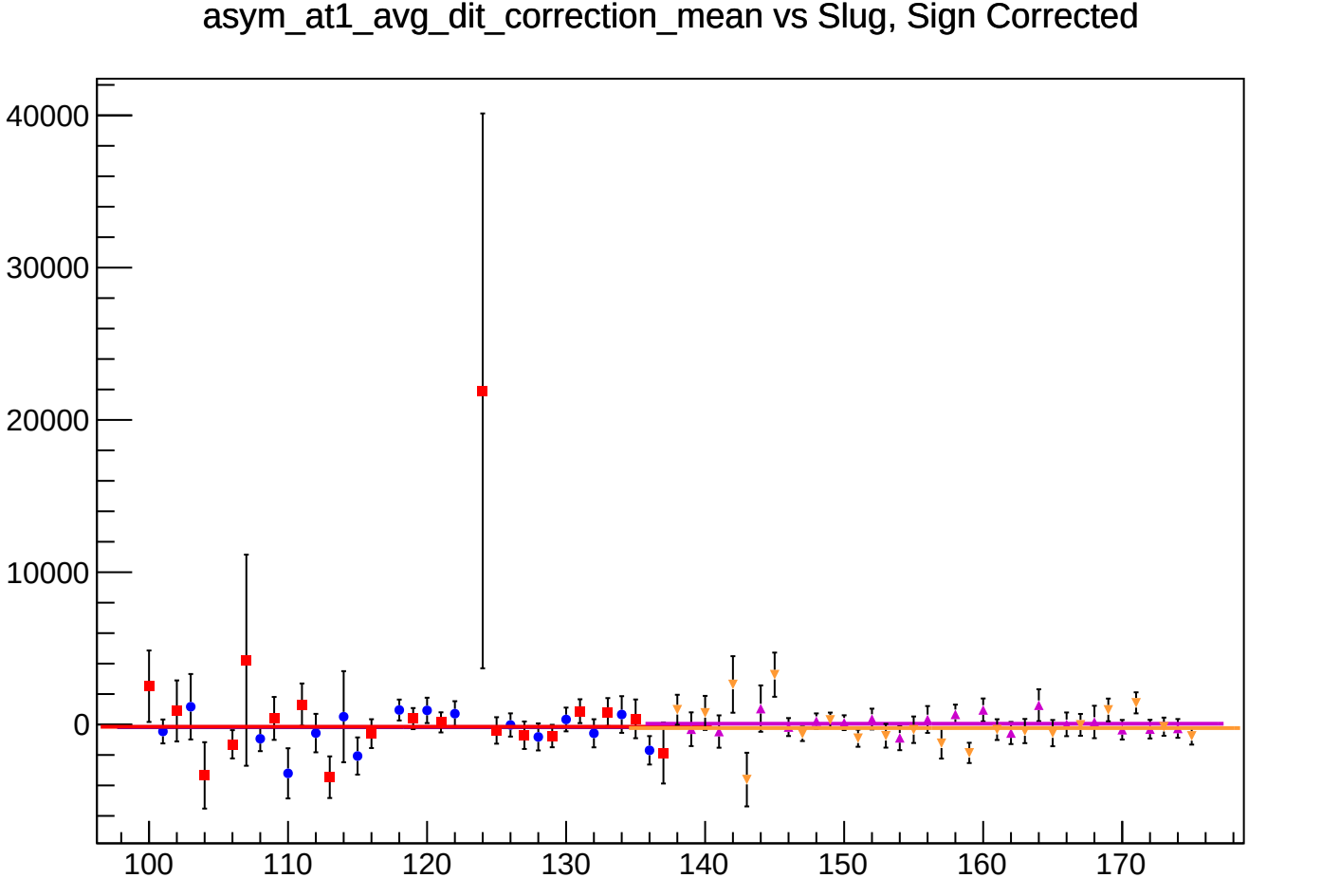
Left: 1793.696+/-0.229 χ^2/NDF: 172144.2/37

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1857.289+/-0.281 χ^2/NDF:698670.1/33

Out: 1827.034+/-0.270 χ^2/NDF:611000.0/38

All: 1841.537+/-0.195 χ^2/NDF: 1315687.1/72



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 52.027+/-168.202 χ^2/NDF:8.0/17

Left: -95.856+/-116.811 χ^2/NDF: 43.9/37

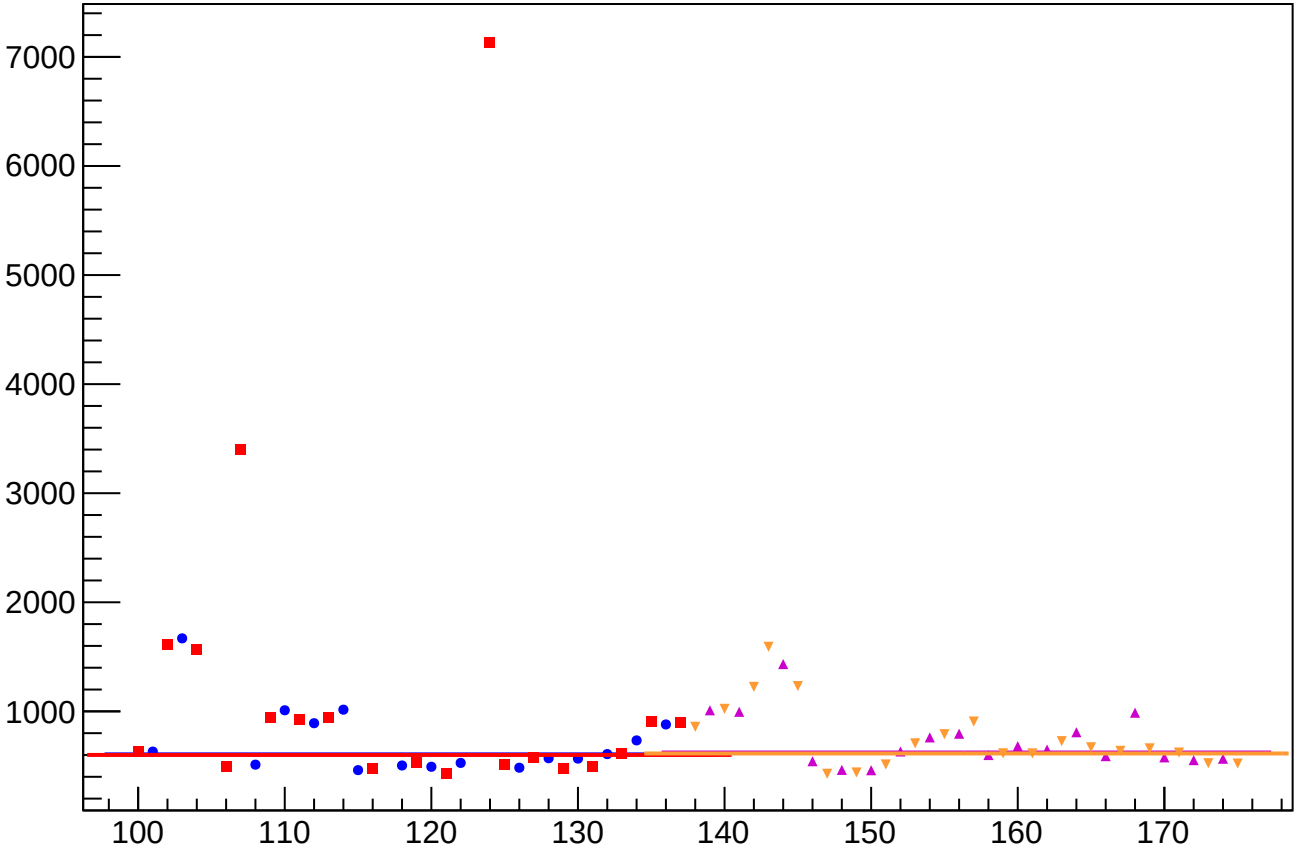
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -22.642+/-137.151 χ^2/NDF:25.9/33

Out: -207.017+/-134.965 χ^2/NDF:54.6/38

All: -116.310+/-96.198 χ^2/NDF: 81.3/72

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 613.853+/-0.115 χ^2/NDF:2662243.7/19

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 622.784+/-0.119 χ^2/NDF:2022697.5/17

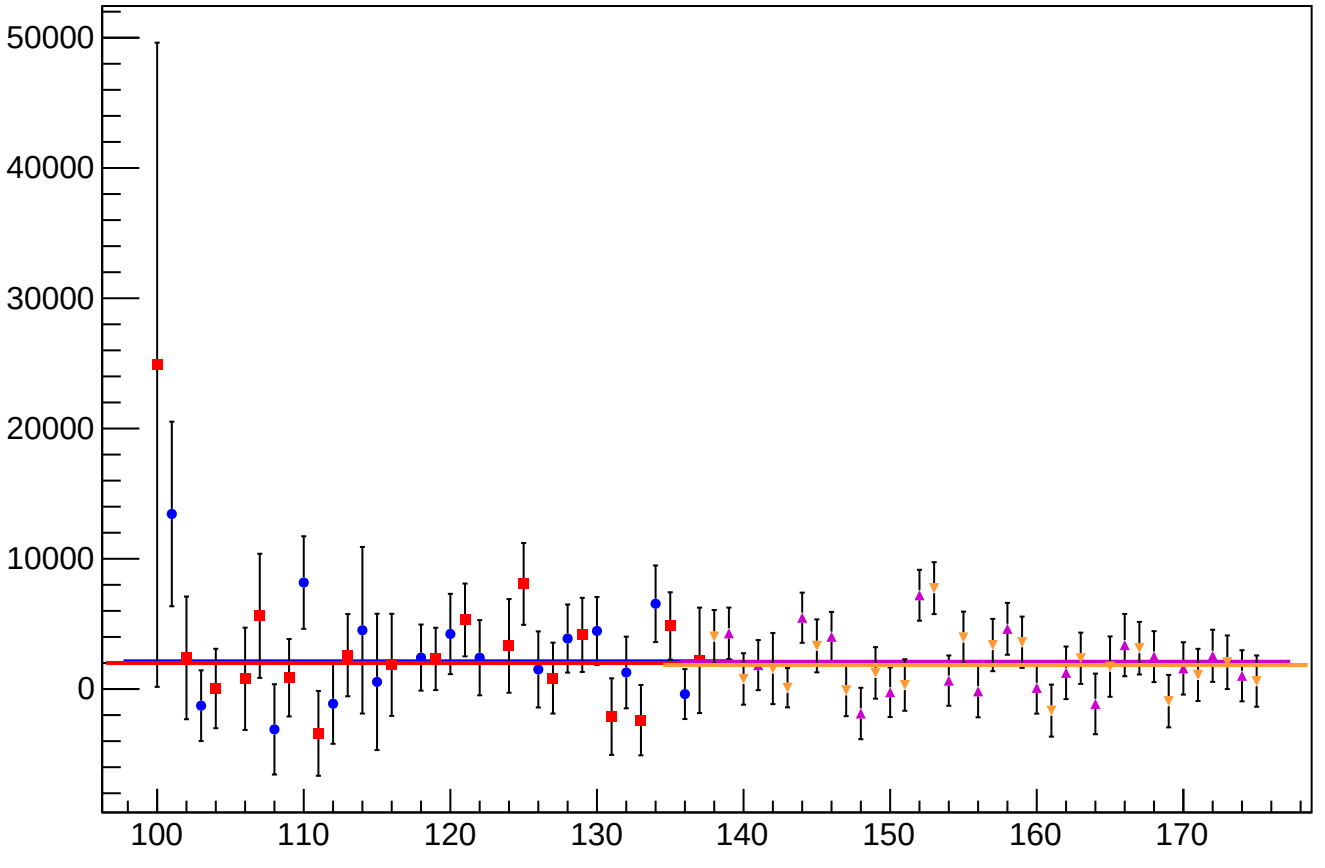
Left: 618.160+/-0.083 χ^2/NDF: 4687860.6/37

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 616.968+/-0.097 χ^2/NDF:3192287.4/33

Out: 609.712+/-0.095 χ^2/NDF:4994979.9/38

All: 613.282+/-0.068 χ^2/NDF: 8190111.2/72



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2095.556+/-470.518 χ^2/NDF:25.1/17

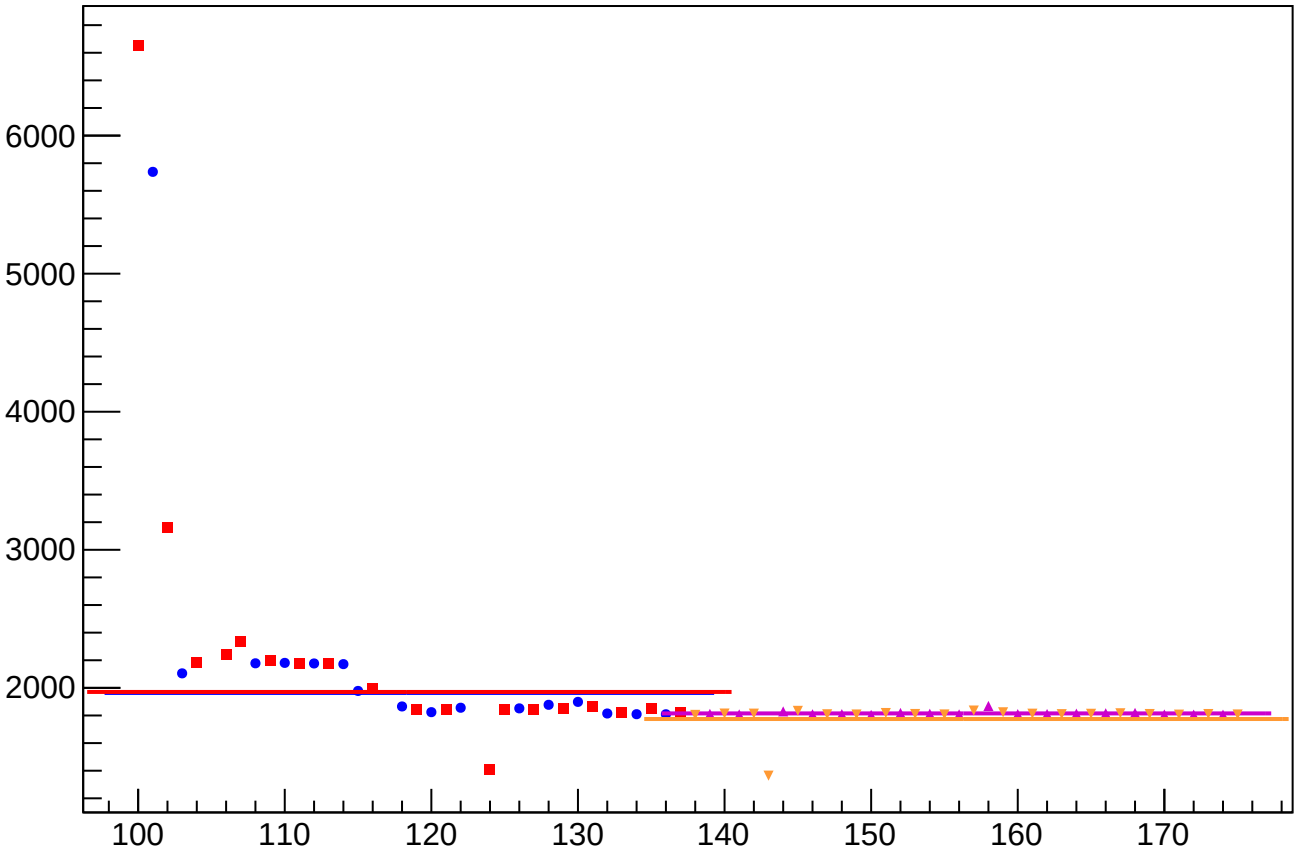
Left: 1966.253+/-323.873 χ^2/NDF: 47.4/37

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2104.997+/-398.009 χ^2/NDF:41.6/33

Out: 1890.723+/-381.897 χ^2/NDF:39.0/38

All: 1993.436+/-275.562 χ^2/NDF: 80.7/72



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.5/19

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

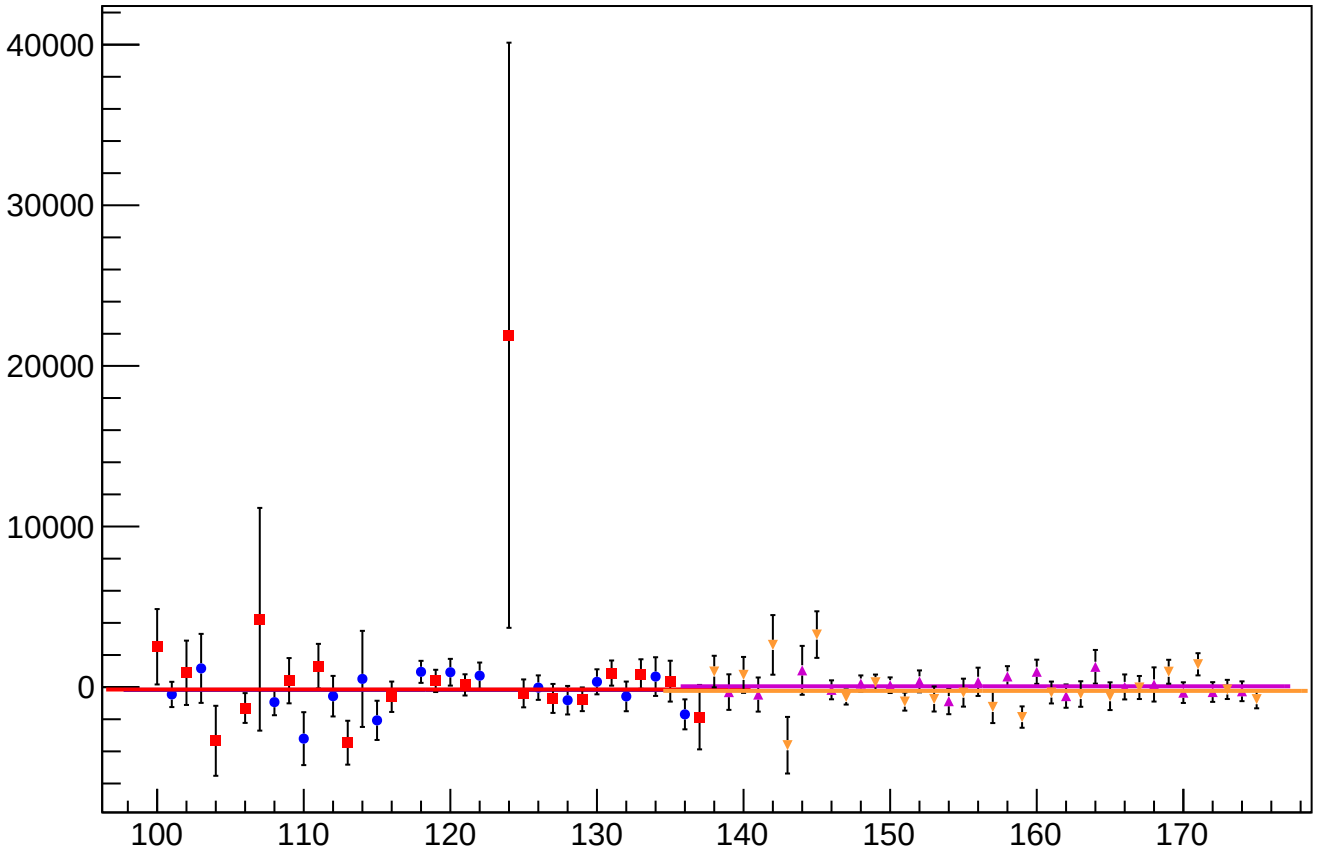
Left: 1793.696+/-0.229 χ^2/NDF: 172144.2/37

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1857.289+/-0.281 χ^2/NDF:698669.6/33

Out: 1827.034+/-0.270 χ^2/NDF:610998.4/38

All: 1841.537+/-0.195 χ^2/NDF: 1315685.0/72



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 52.027+/-168.202 χ^2/NDF:8.0/17

Left: -95.856+/-116.811 χ^2/NDF: 43.9/37

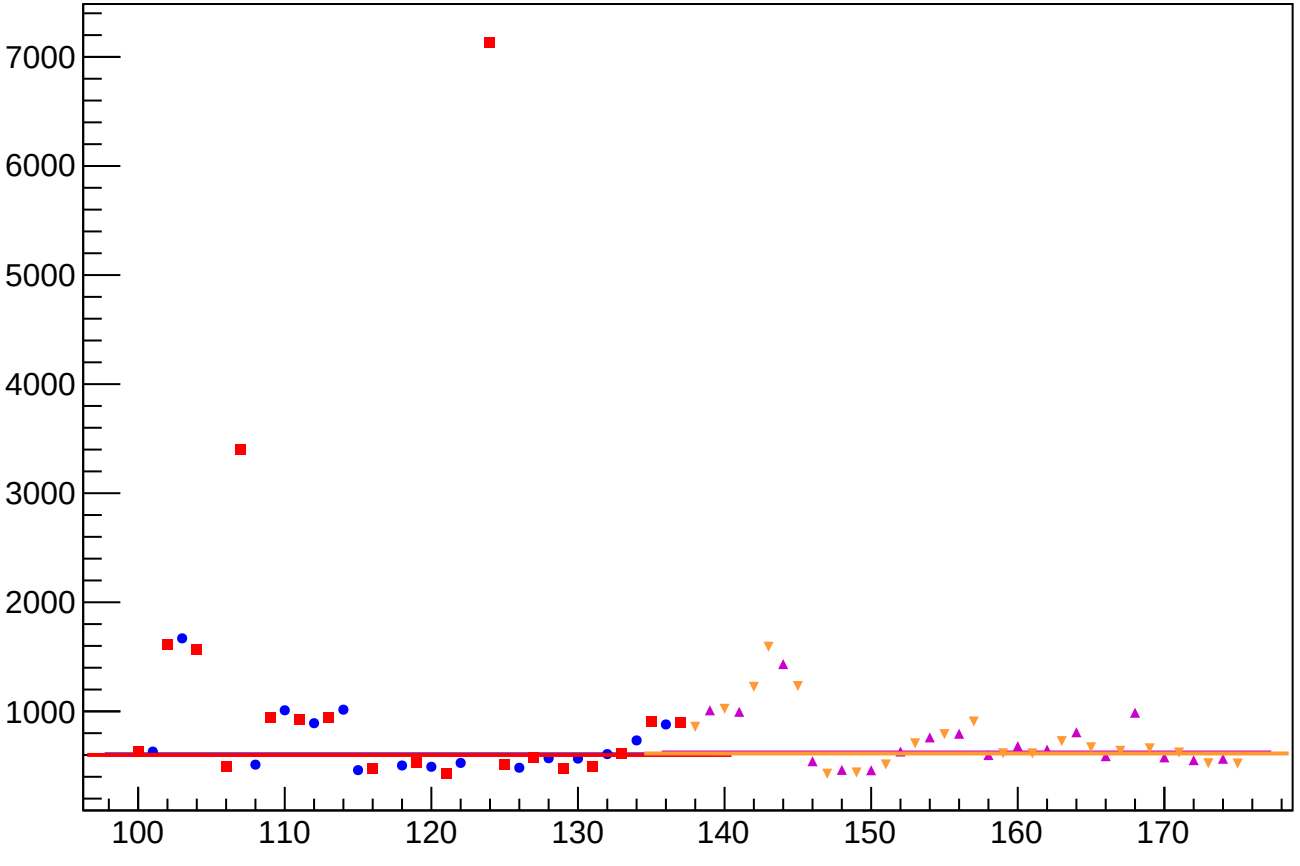
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -22.642+/-137.151 χ^2/NDF:25.9/33

Out: -207.017+/-134.965 χ^2/NDF:54.6/38

All: -116.310+/-96.198 χ^2/NDF: 81.4/72

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 613.854+/-0.115 χ^2/NDF:2662237.3/19

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 622.785+/-0.119 χ^2/NDF:2022692.9/17

Left: 618.161+/-0.083 χ^2/NDF: 4687849.6/37

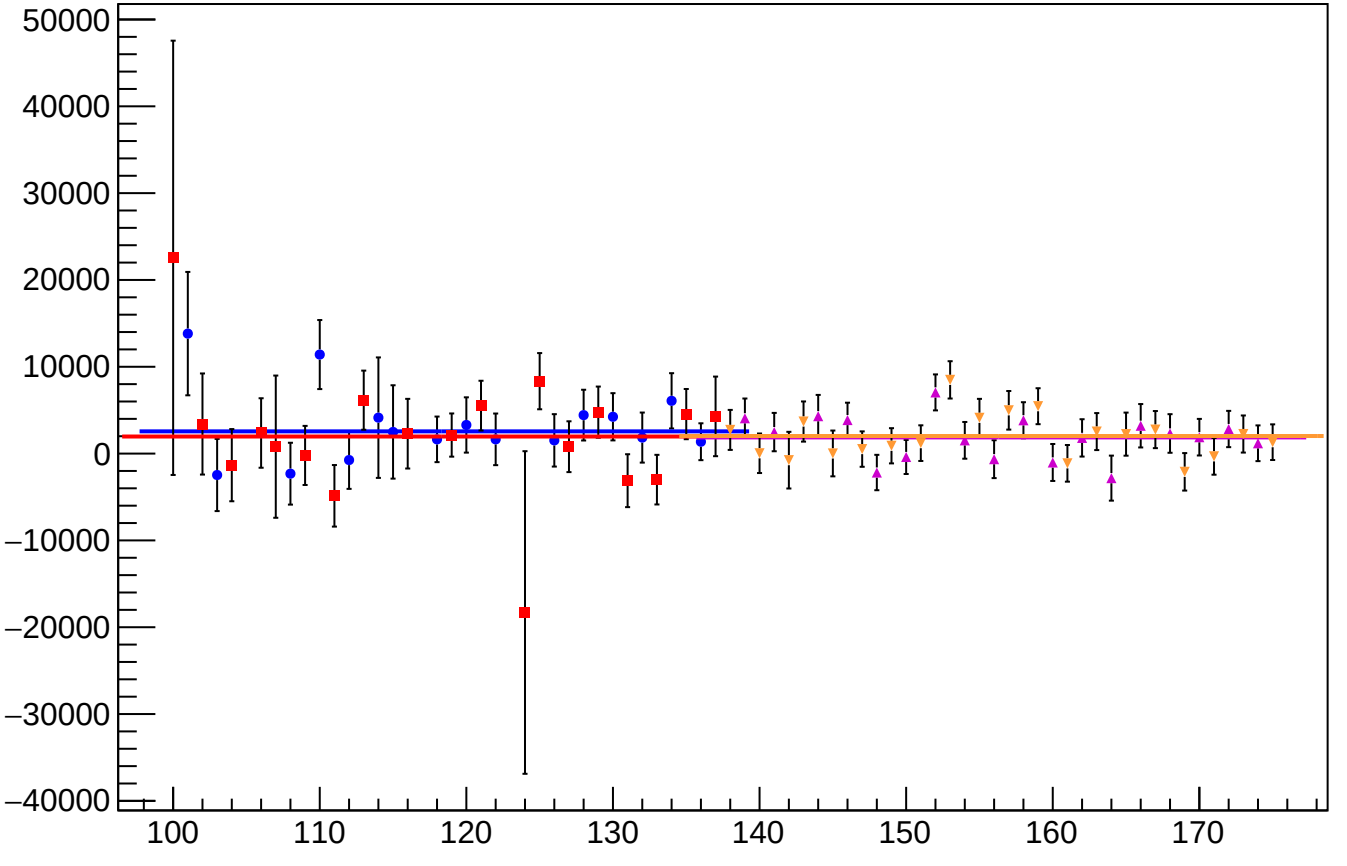
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 616.968+/-0.097 χ^2/NDF:3192292.4/33

Out: 609.713+/-0.095 χ^2/NDF:4994982.7/38

All: 613.282+/-0.068 χ^2/NDF: 8190118.9/72

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2023.524+/-493.334 χ^2/NDF:25.6/19

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1861.518+/-509.487 χ^2/NDF:22.5/17

Left: 1945.130+/-354.413 χ^2/NDF: 48.2/37

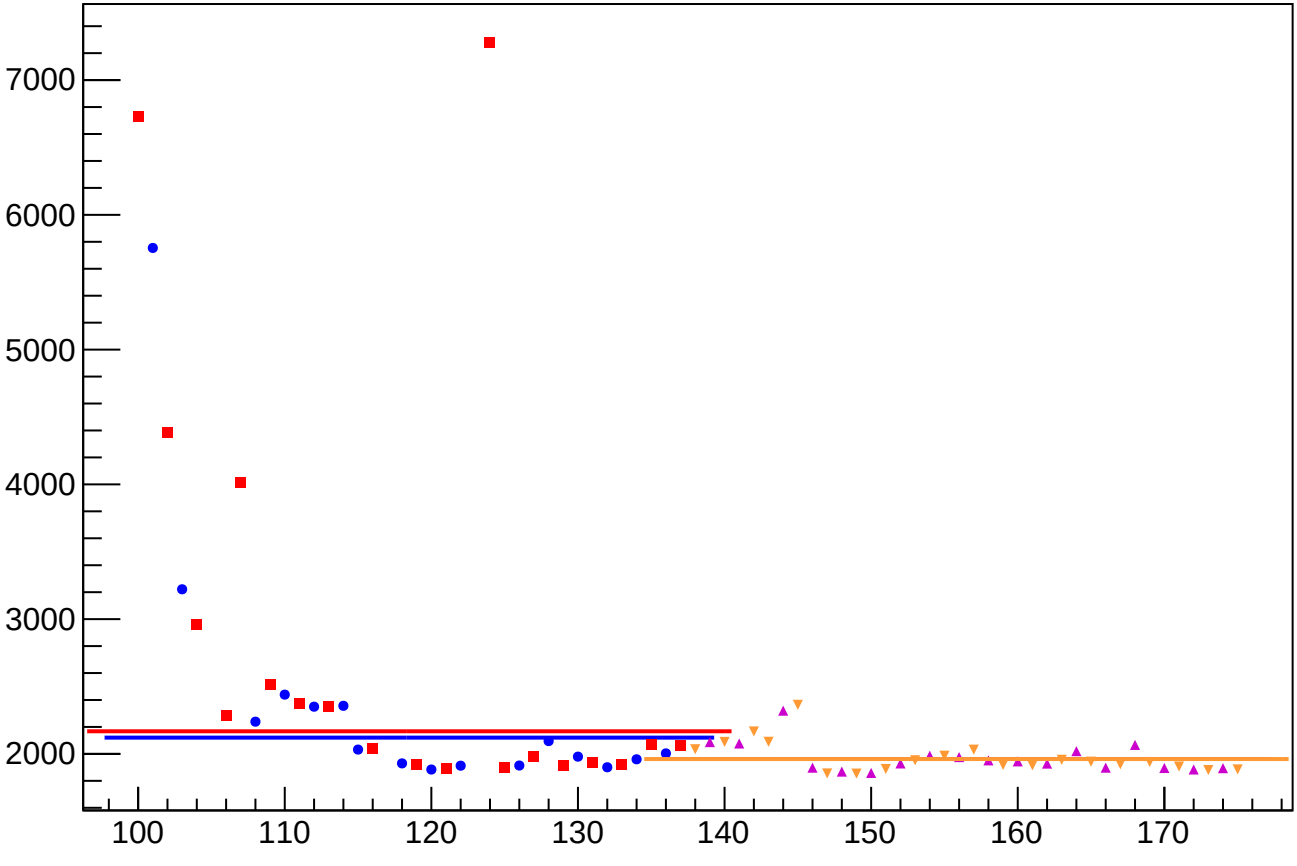
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2059.920+/-431.216 χ^2/NDF:37.7/33

Out: 2008.399+/-422.568 χ^2/NDF:47.2/38

All: 2033.638+/-301.812 χ^2/NDF: 84.9/72

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1961.797+/-0.349 χ^2/NDF:94665.0/19

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1962.171+/-0.360 χ^2/NDF:81481.2/17

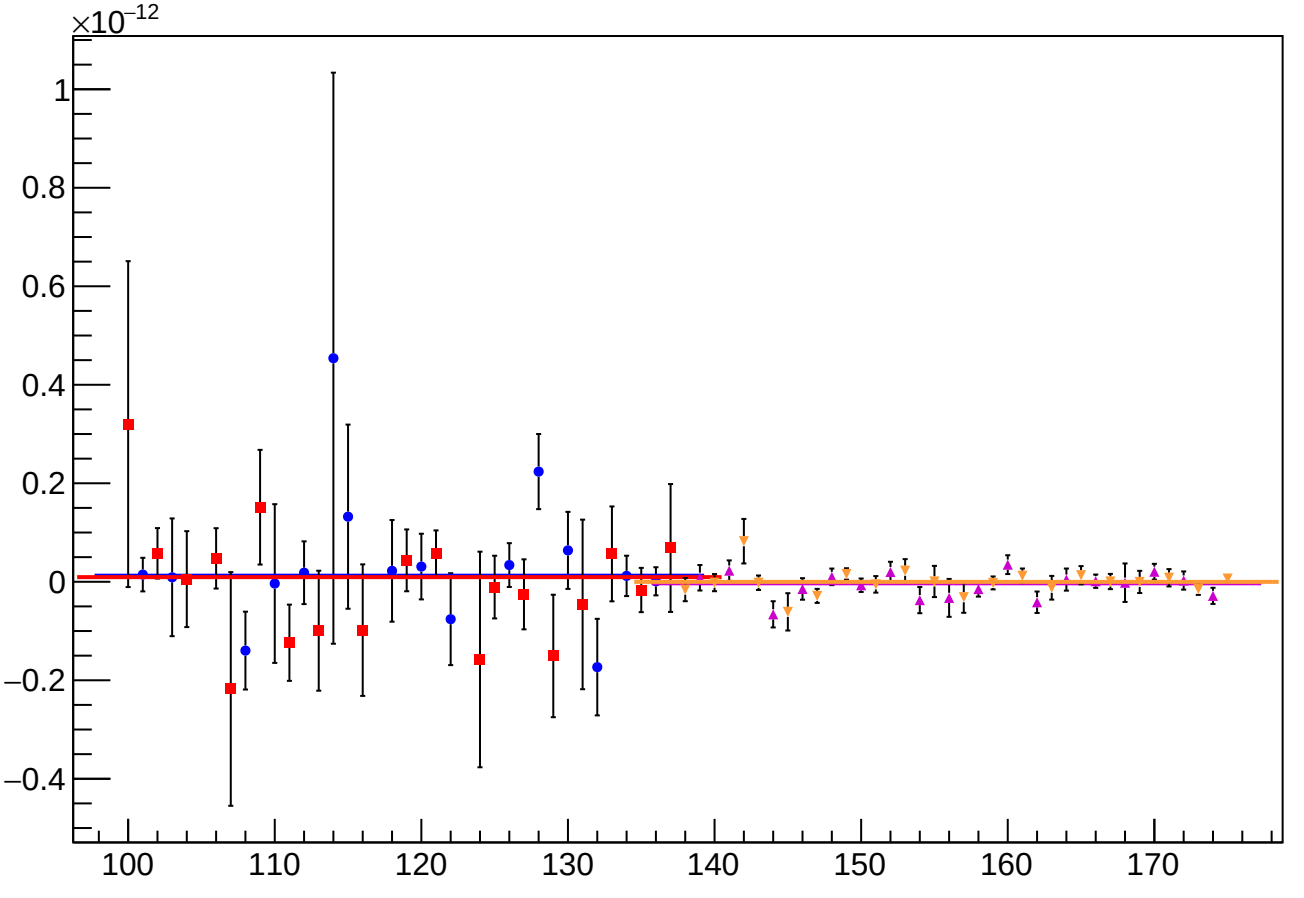
Left: 1961.978+/-0.251 χ^2/NDF: 176146.7/37

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2007.160+/-0.305 χ^2/NDF:896428.6/33

Out: 2016.669+/-0.299 χ^2/NDF:1011500.0/38

All: 2012.011+/-0.213 χ^2/NDF: 1908424.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:24.3/17

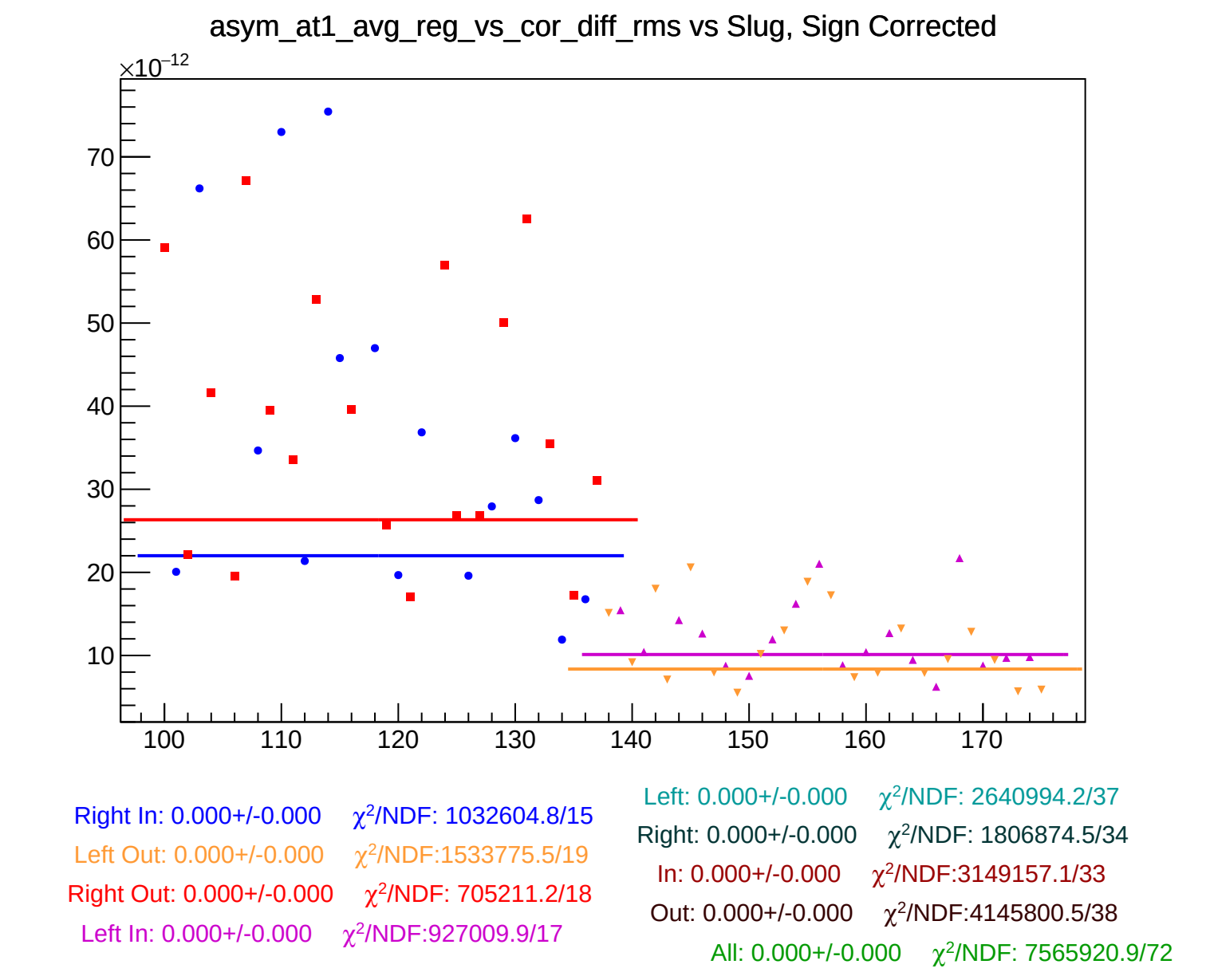
Left: -0.000+/-0.000 χ^2/NDF: 42.6/37

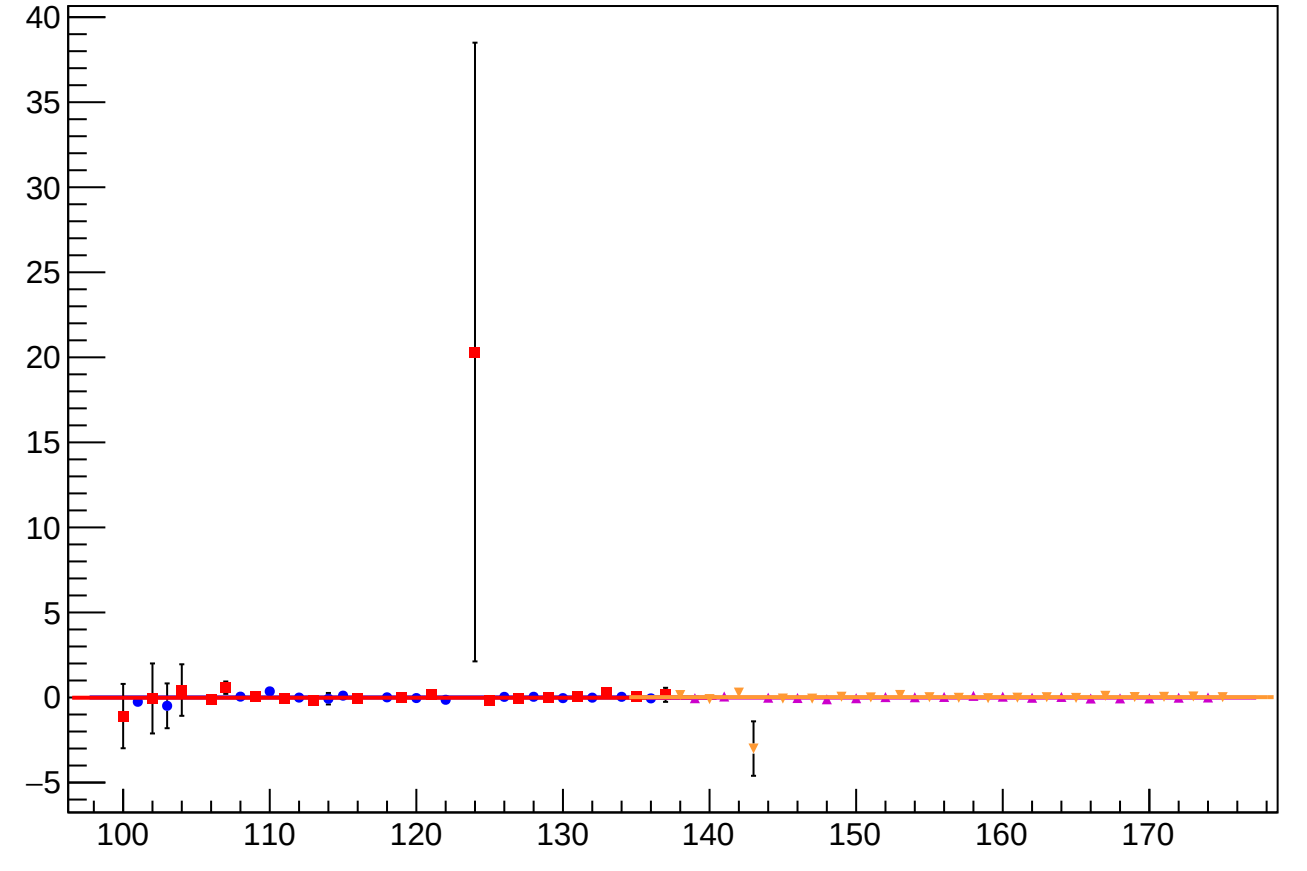
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:43.1/33

Out: 0.000+/-0.000 χ^2/NDF:32.1/38

All: -0.000+/-0.000 χ^2/NDF: 75.3/72


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1533775.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:927009.9/17
Left: 0.000+/-0.000 χ²/NDF: 2640994.2/37
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3149157.1/33
Out: 0.000+/-0.000 χ²/NDF:4145800.5/38
All: 0.000+/-0.000 χ²/NDF: 7565920.9/72



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

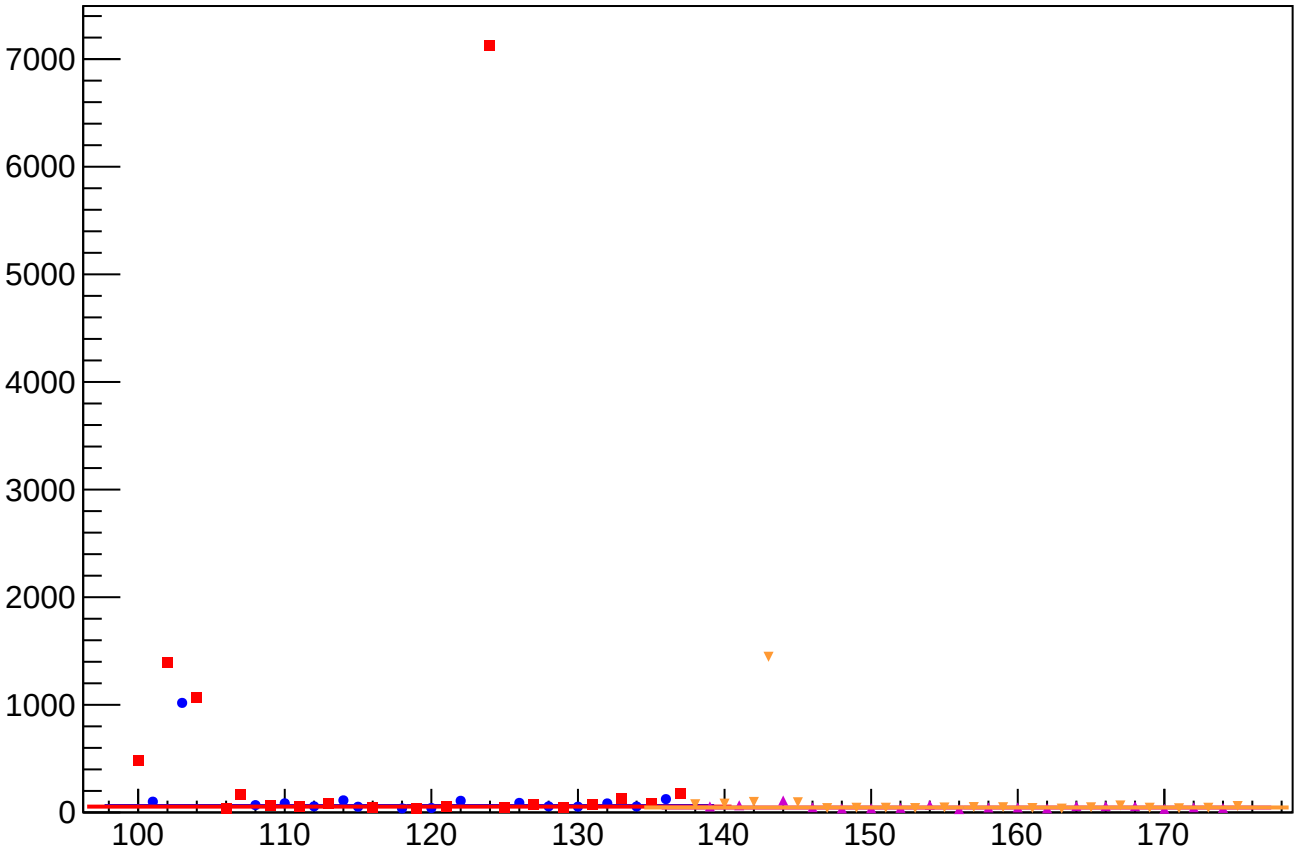
Left: 0.006+/-0.009 χ^2/NDF: 41.8/37

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.2/72



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

Left: 45.825+/-0.007 χ^2/NDF: 4758441.2/37

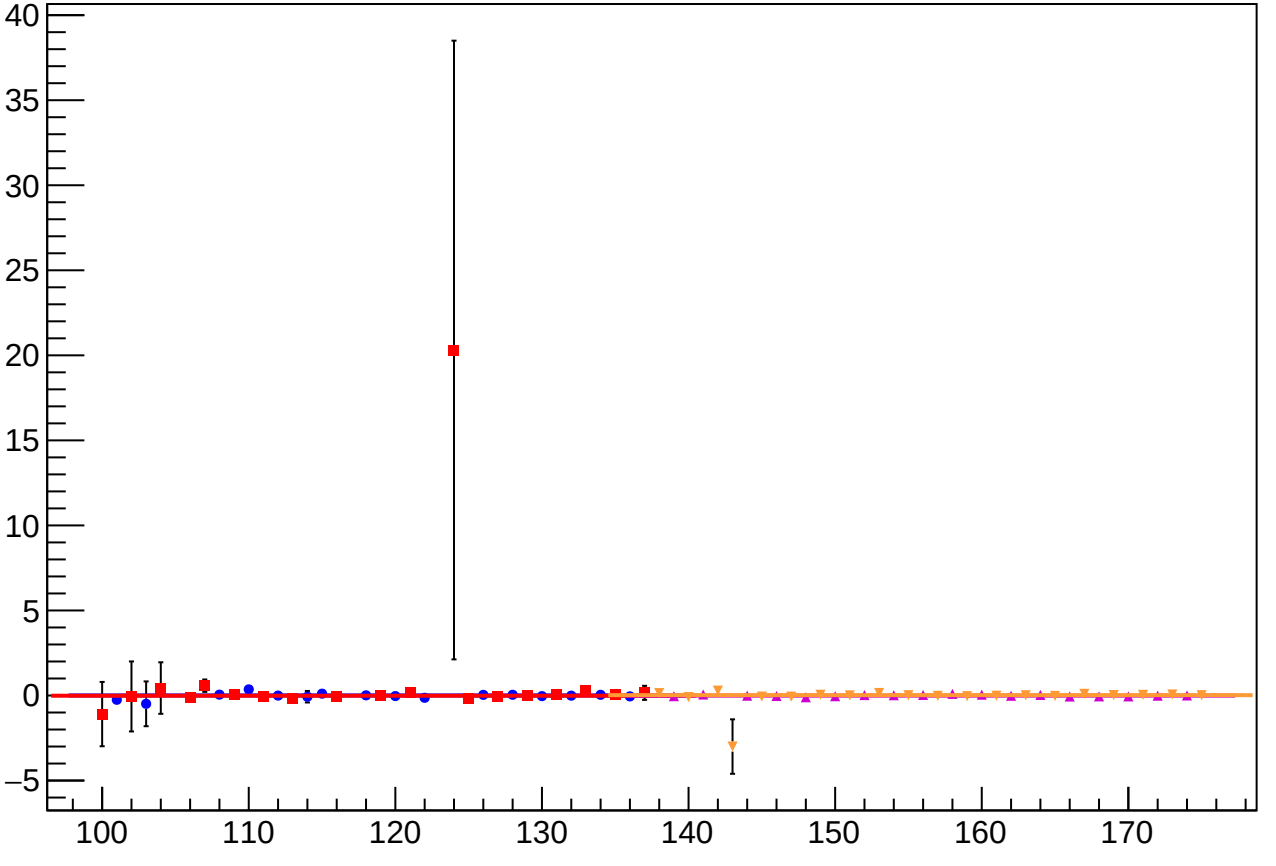
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.179+/-0.008 χ^2/NDF:4701757.4/33

Out: 48.010+/-0.008 χ^2/NDF:6733730.0/38

All: 48.095+/-0.006 χ^2/NDF: 11435691.1/72

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.8/37

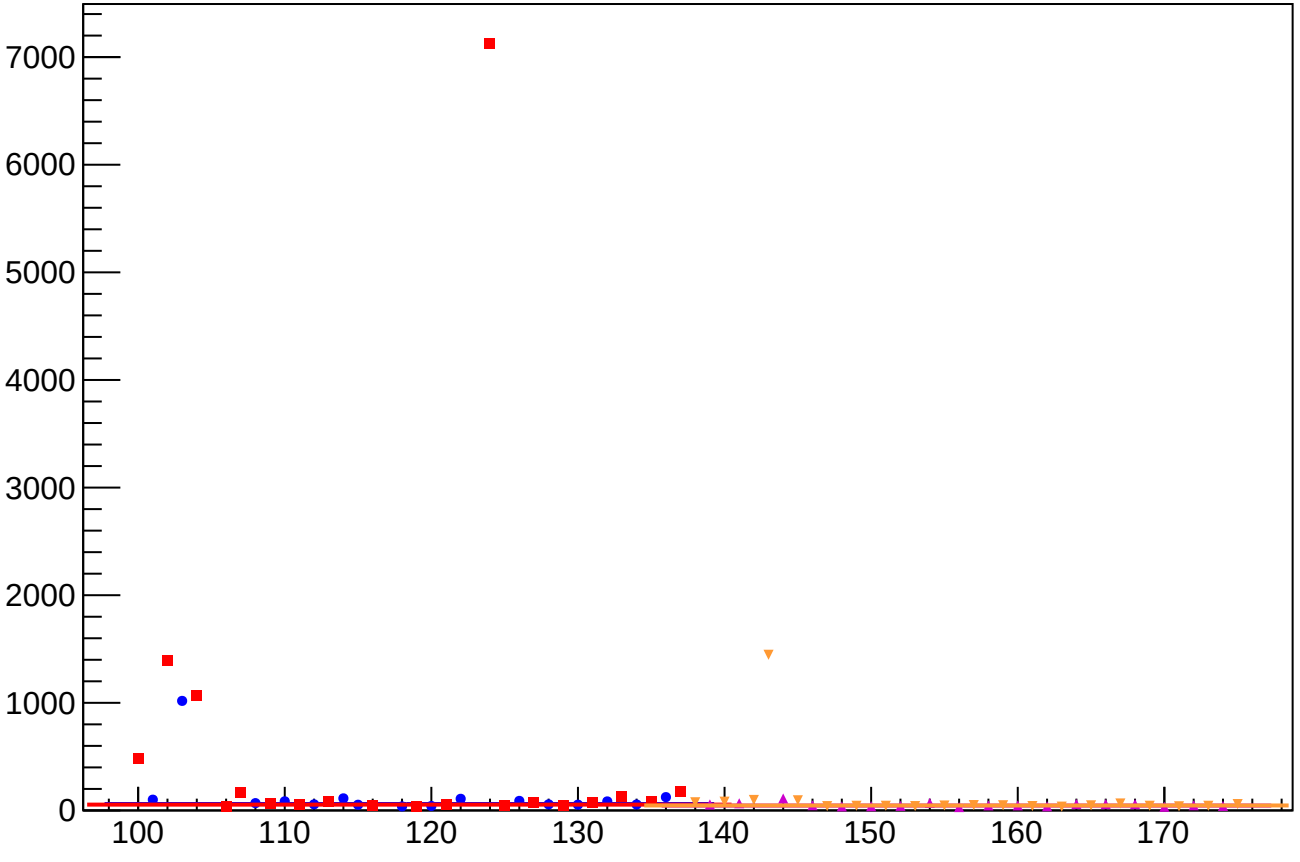
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.2/72

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

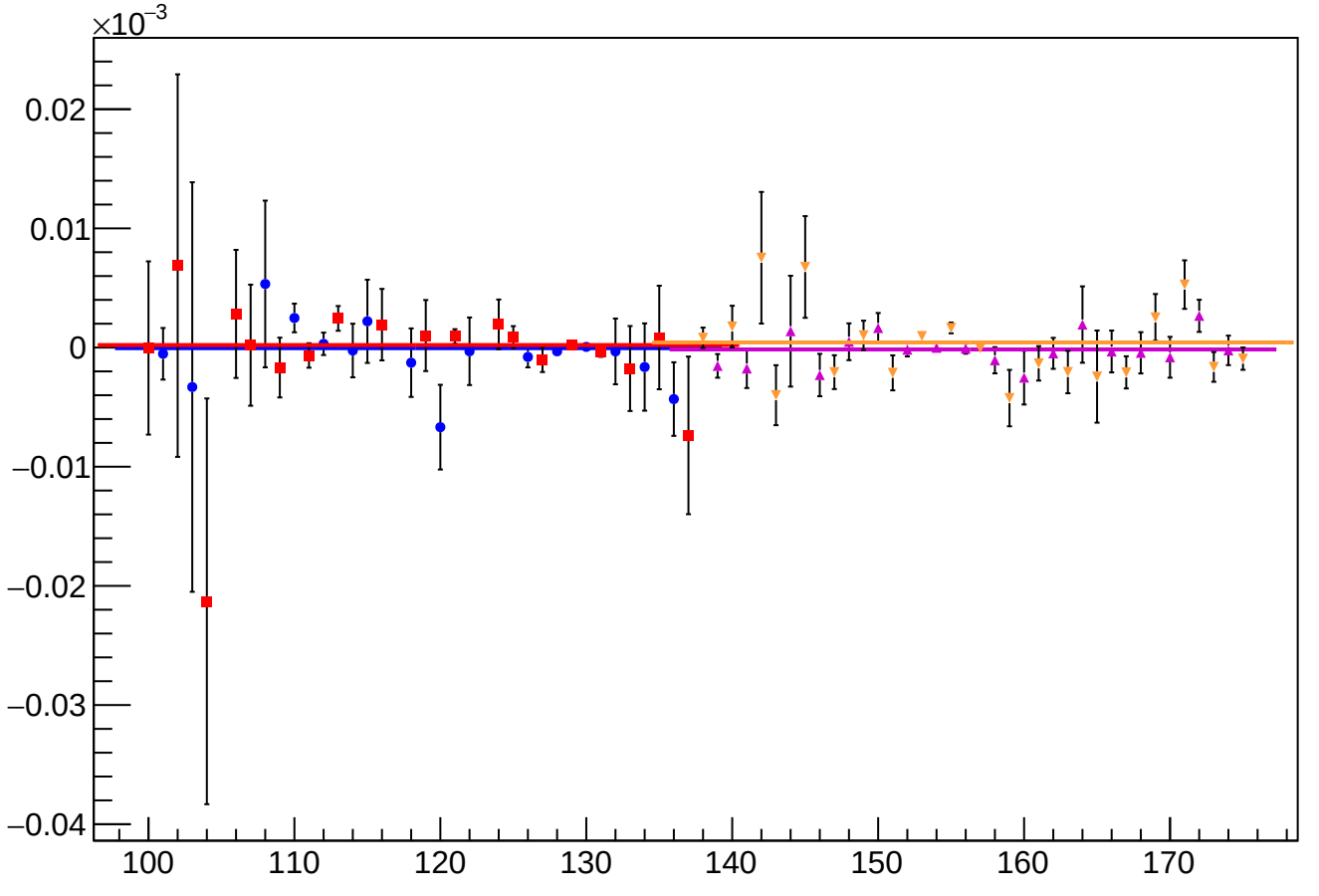
Left: 45.825+/-0.007 χ^2/NDF: 4758441.2/37

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.179+/-0.008 χ^2/NDF:4701757.4/33

Out: 48.010+/-0.008 χ^2/NDF:6733730.0/38

All: 48.095+/-0.006 χ^2/NDF: 11435691.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

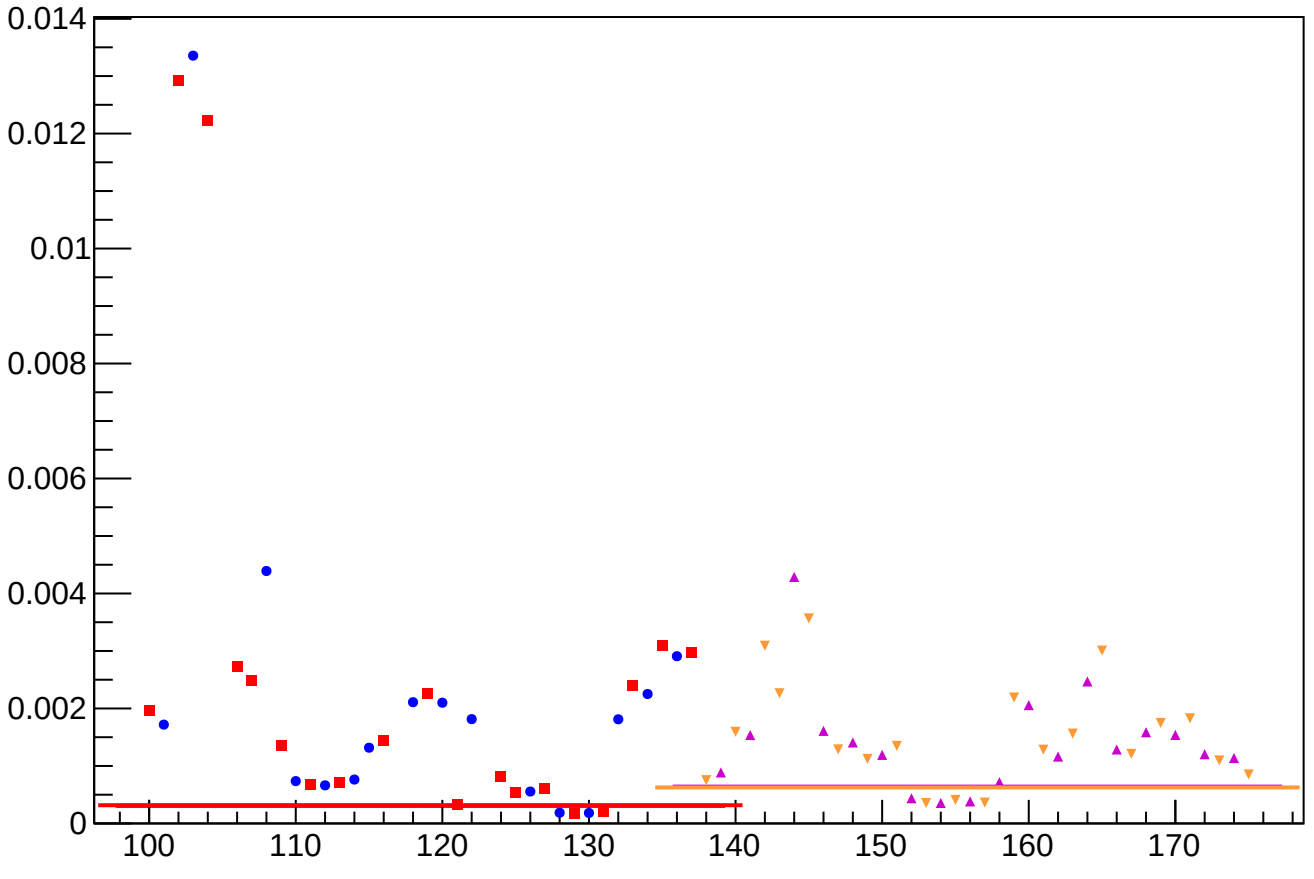
Left: 0.000+/-0.000 χ^2/NDF: 65.5/37

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:26.6/33

Out: 0.000+/-0.000 χ^2/NDF:64.0/38

All: 0.000+/-0.000 χ^2/NDF: 95.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11115223.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9393483.3/17

Left: 0.001+/-0.000 χ^2/NDF: 20513744.4/37

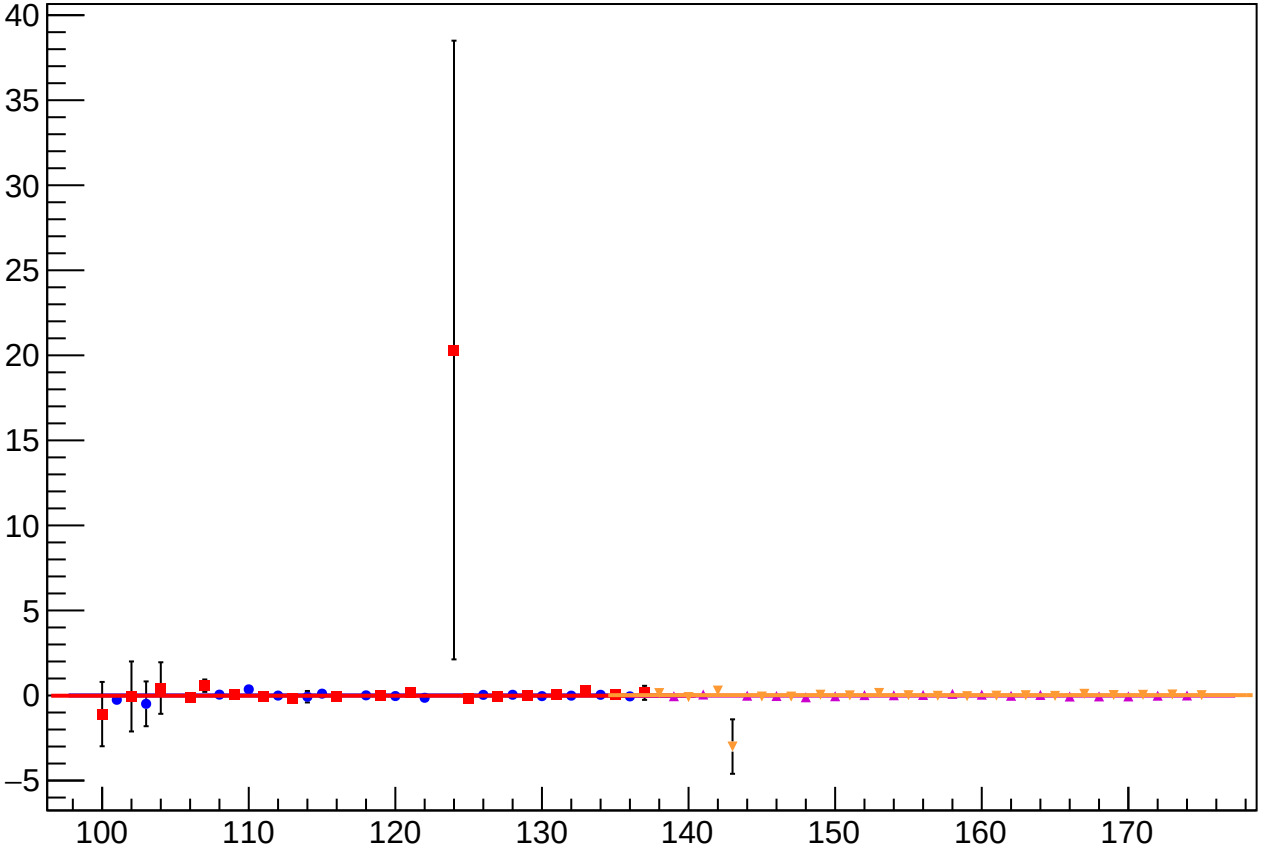
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:20835009.2/33

Out: 0.000+/-0.000 χ^2/NDF:21614554.0/38

All: 0.000+/-0.000 χ^2/NDF: 42452050.9/72

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.8/37

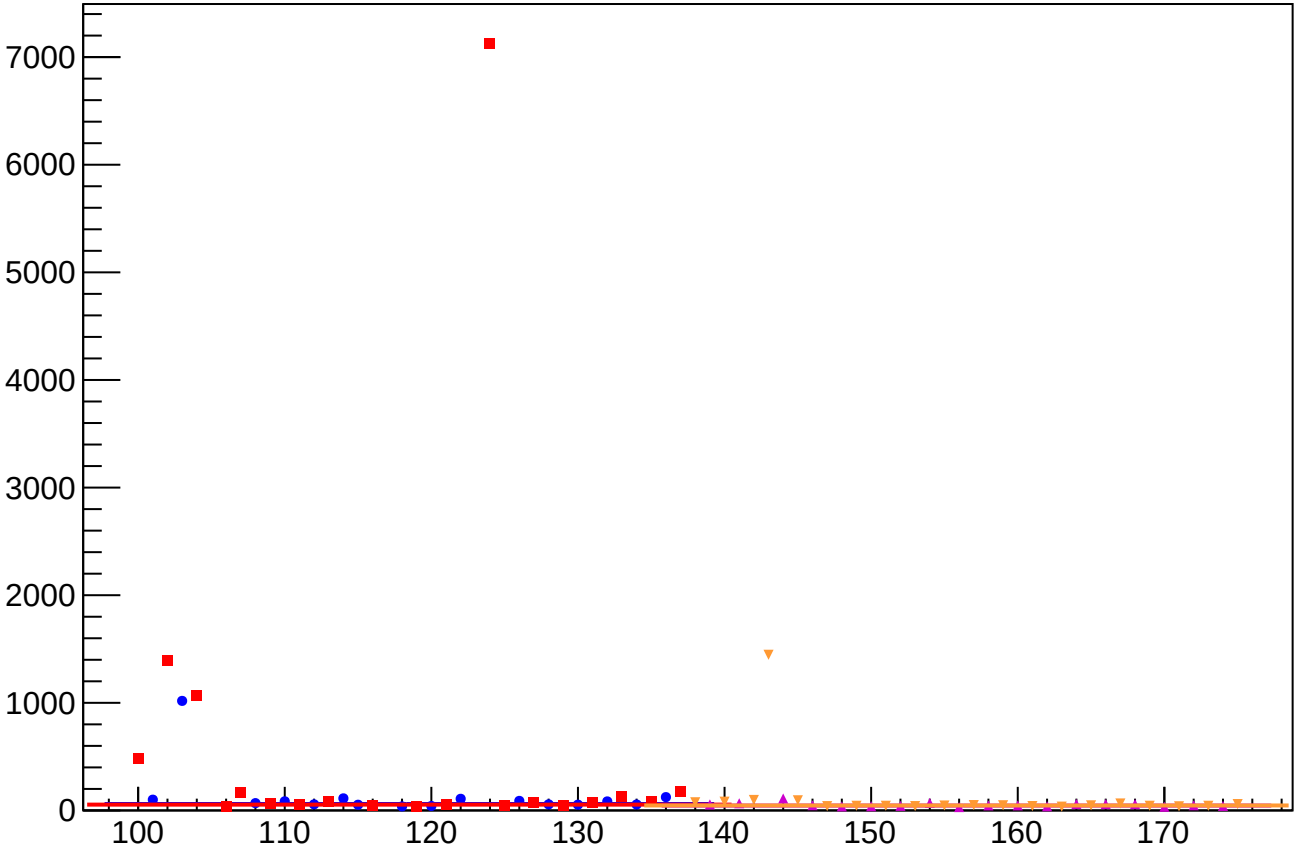
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.2/72

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.339+/-0.009 χ^2/NDF:3063972.6/19

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

Left: 45.825+/-0.007 χ^2/NDF: 4758425.5/37

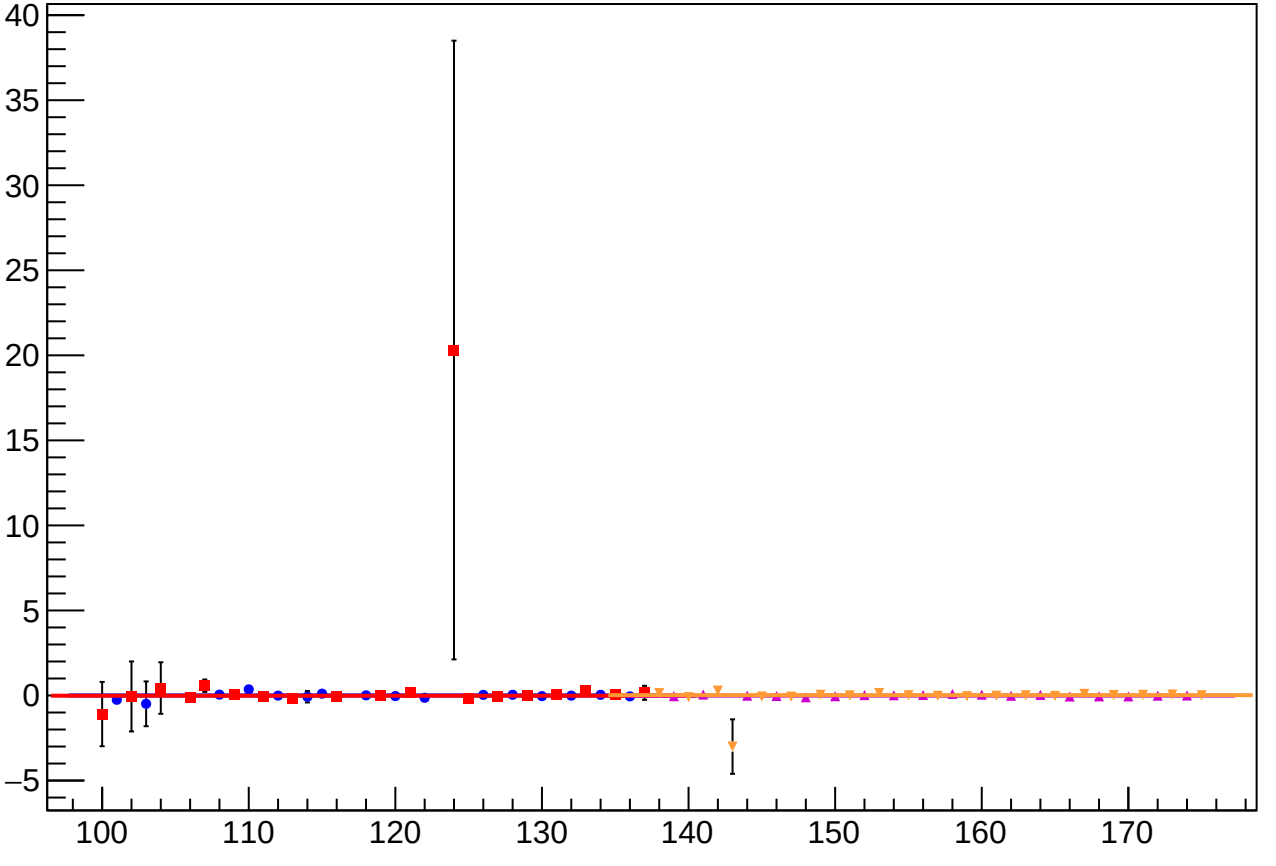
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.179+/-0.008 χ^2/NDF:4701761.9/33

Out: 48.010+/-0.008 χ^2/NDF:6733724.6/38

All: 48.095+/-0.006 χ^2/NDF: 11435690.2/72

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.8/37

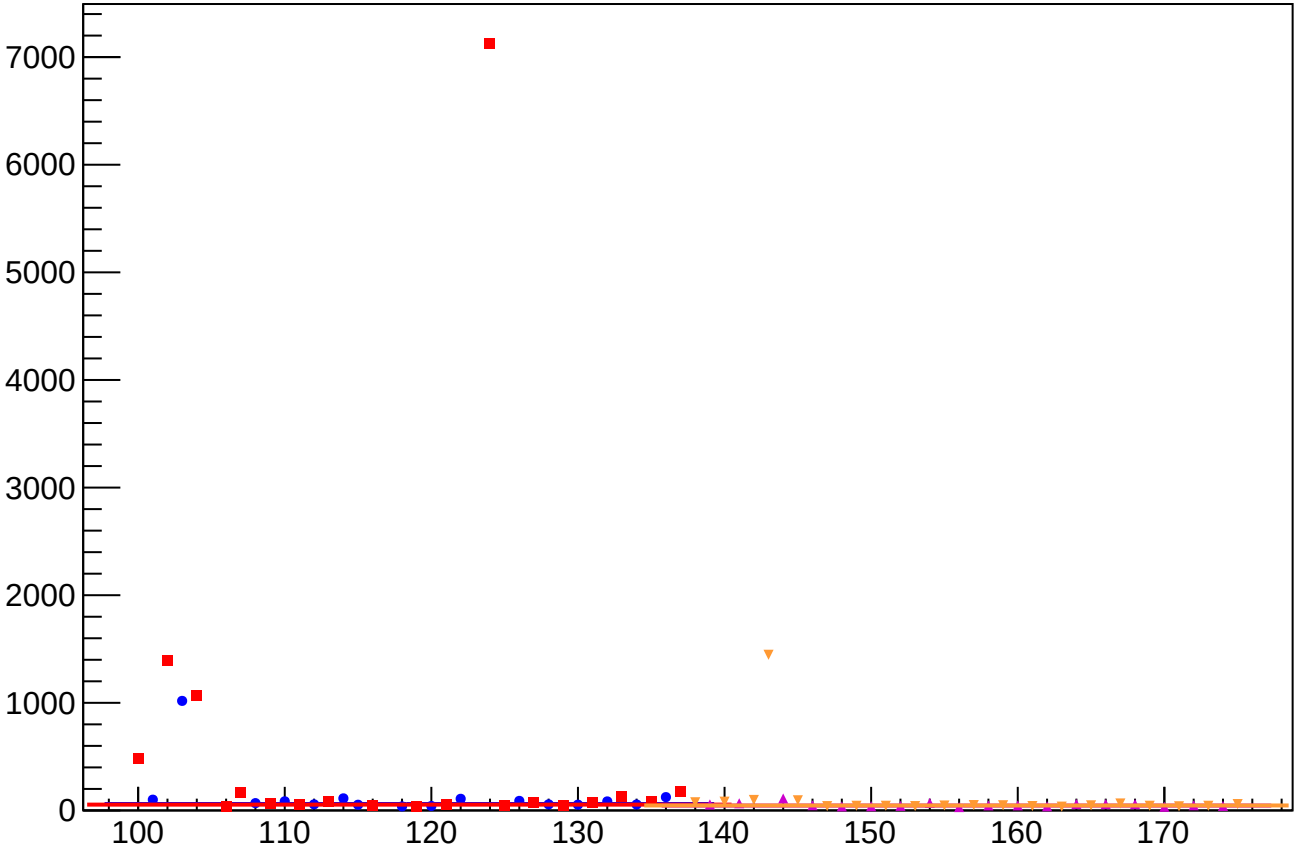
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.2/72

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.339+/-0.009 χ^2/NDF:3063972.6/19

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

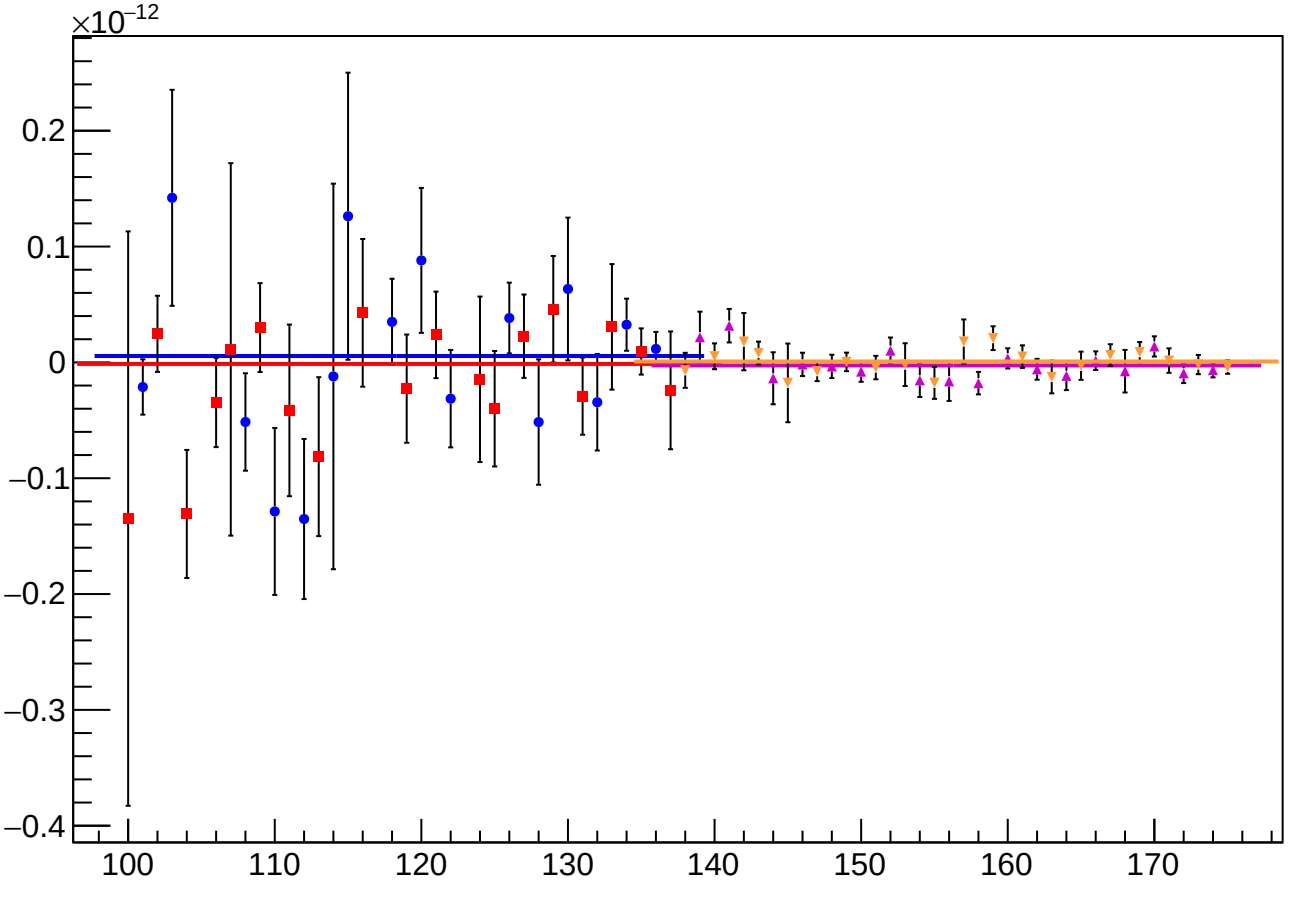
Left: 45.825+/-0.007 χ^2/NDF: 4758425.5/37

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.179+/-0.008 χ^2/NDF:4701761.9/33

Out: 48.010+/-0.008 χ^2/NDF:6733724.6/38

All: 48.095+/-0.006 χ^2/NDF: 11435690.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

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

Left In: -0.000+/-0.000 χ^2/NDF:18.8/17

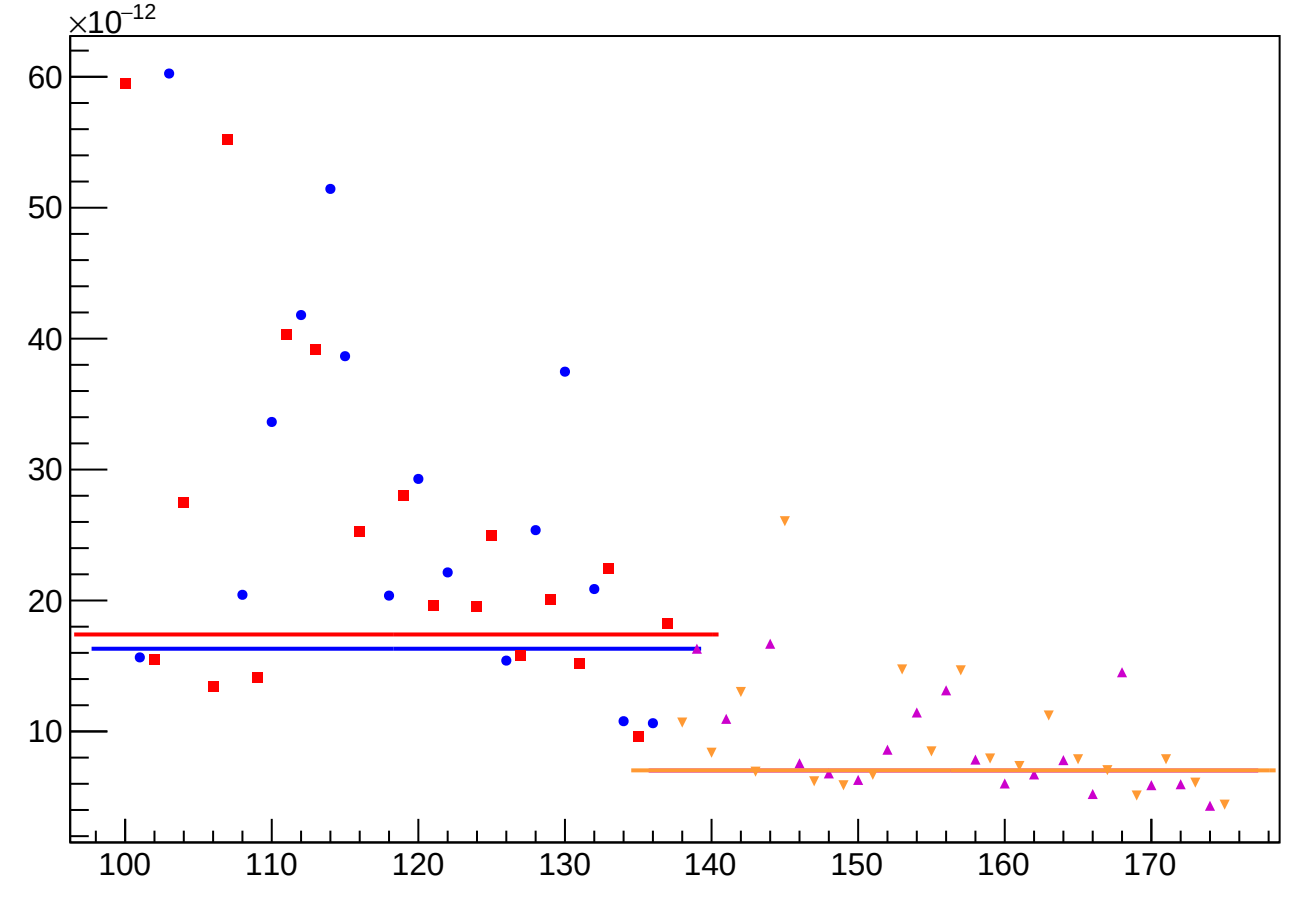
Left: -0.000+/-0.000 χ^2/NDF: 32.4/37

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:42.2/33

Out: 0.000+/-0.000 χ^2/NDF:27.0/38

All: -0.000+/-0.000 χ^2/NDF: 69.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2395307.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2307518.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4702858.2/37

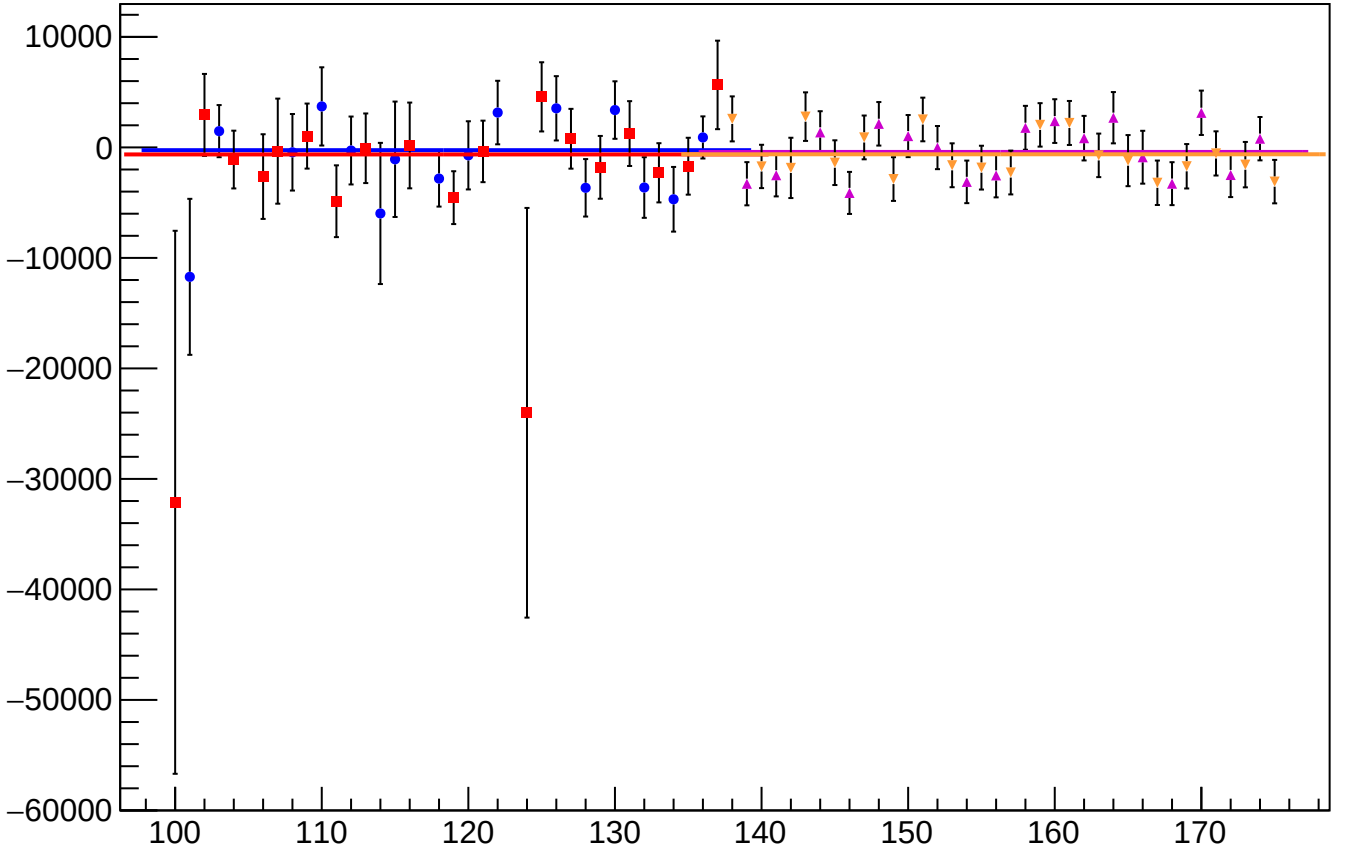
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:6350143.4/33

Out: 0.000+/-0.000 χ^2/NDF:5725950.0/38

All: 0.000+/-0.000 χ^2/NDF: 12078166.7/72

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -621.358+/-455.874 χ^2/NDF:18.9/19

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -411.000+/-469.417 χ^2/NDF:25.6/17

Left: -519.257+/-327.035 χ^2/NDF: 44.6/37

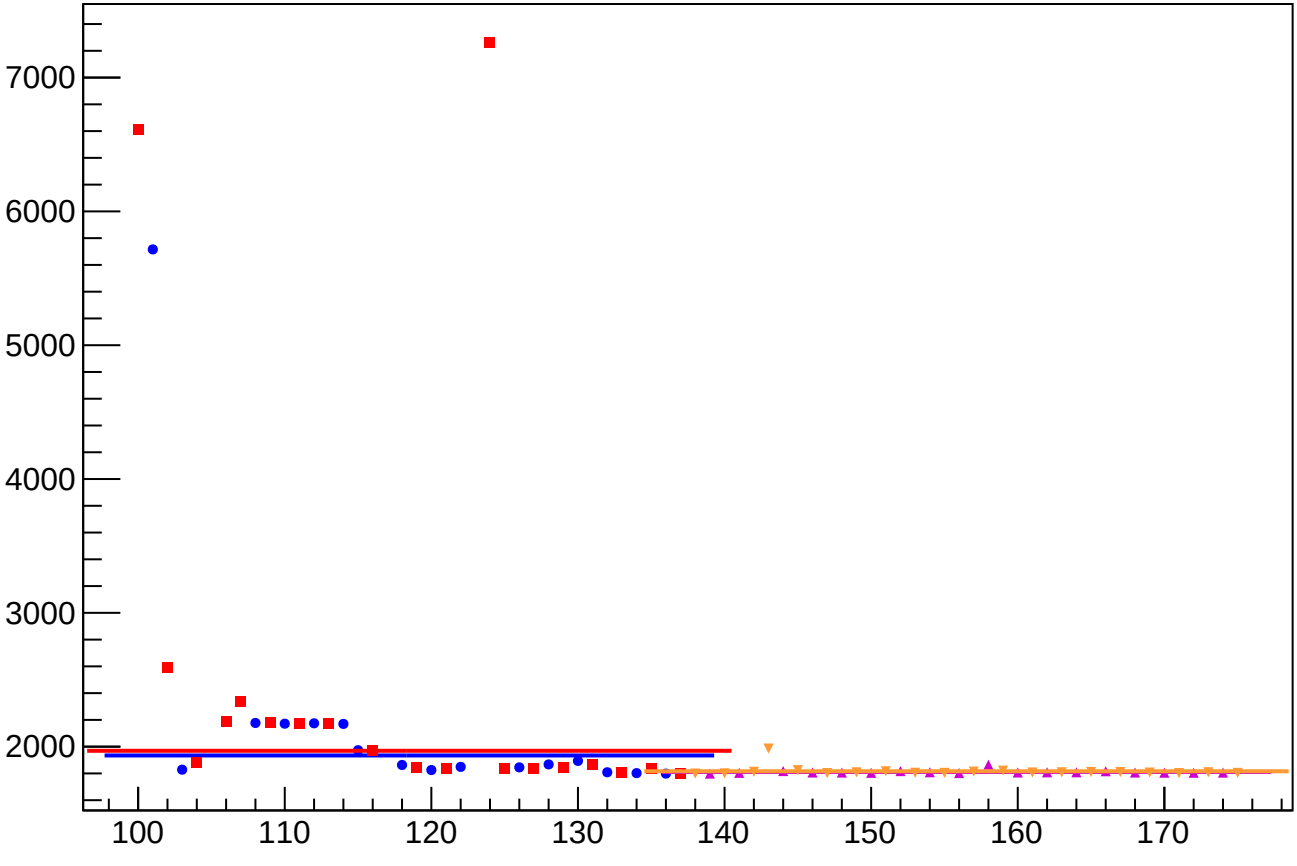
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -364.741+/-395.634 χ^2/NDF:42.9/33

Out: -625.445+/-387.478 χ^2/NDF:34.8/38

All: -497.808+/-276.827 χ^2/NDF: 77.9/72

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

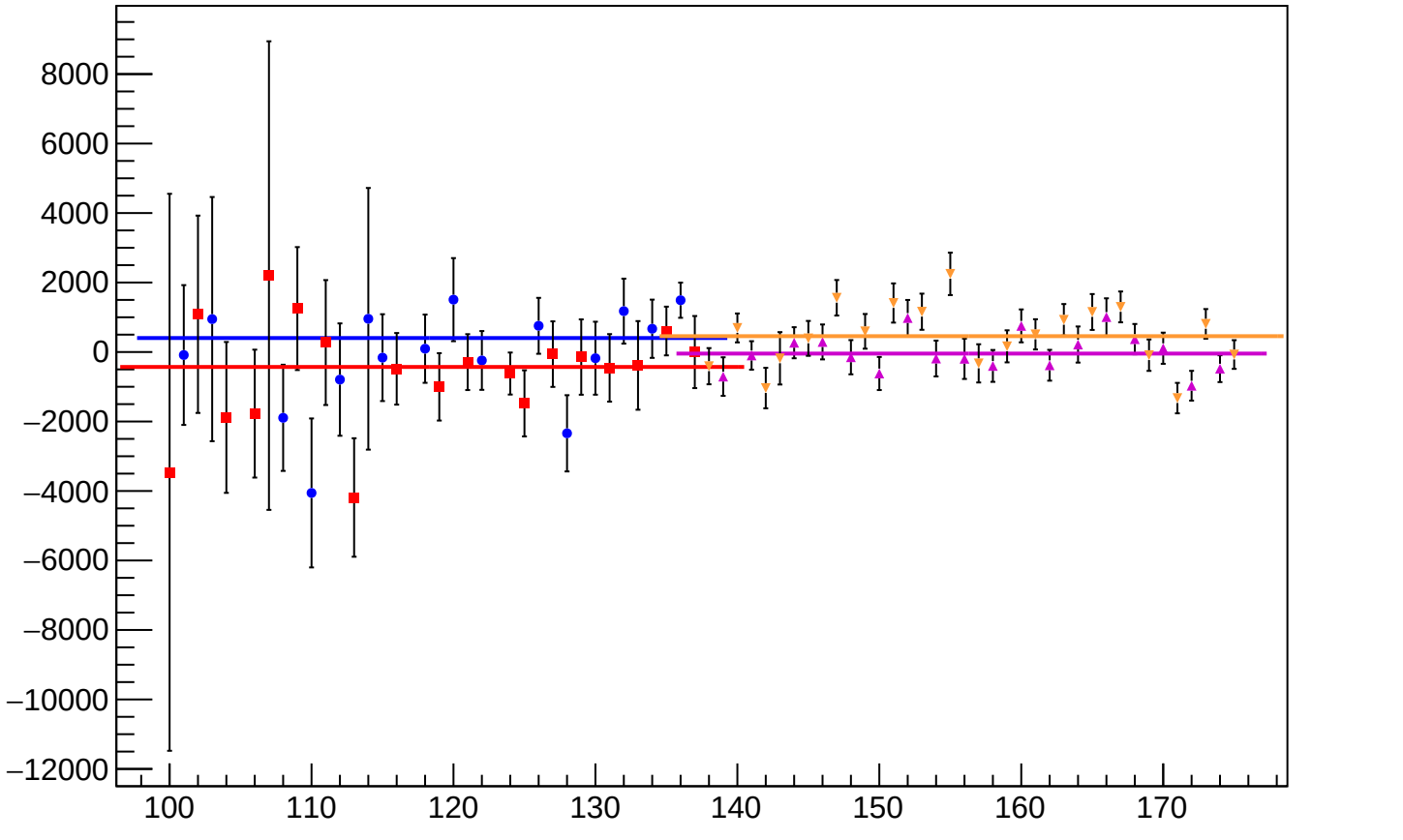
Left: 1813.592+/-0.231 χ^2/NDF: 14779.3/37

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1846.612+/-0.280 χ^2/NDF:681707.4/33

Out: 1858.625+/-0.274 χ^2/NDF:453807.9/38

All: 1852.744+/-0.196 χ^2/NDF: 1136456.6/72



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 456.129+/-109.156 χ^2/NDF:57.7/19

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -44.752+/-111.127 χ^2/NDF:22.9/17

Left: 210.169+/-77.873 χ^2/NDF: 91.0/37

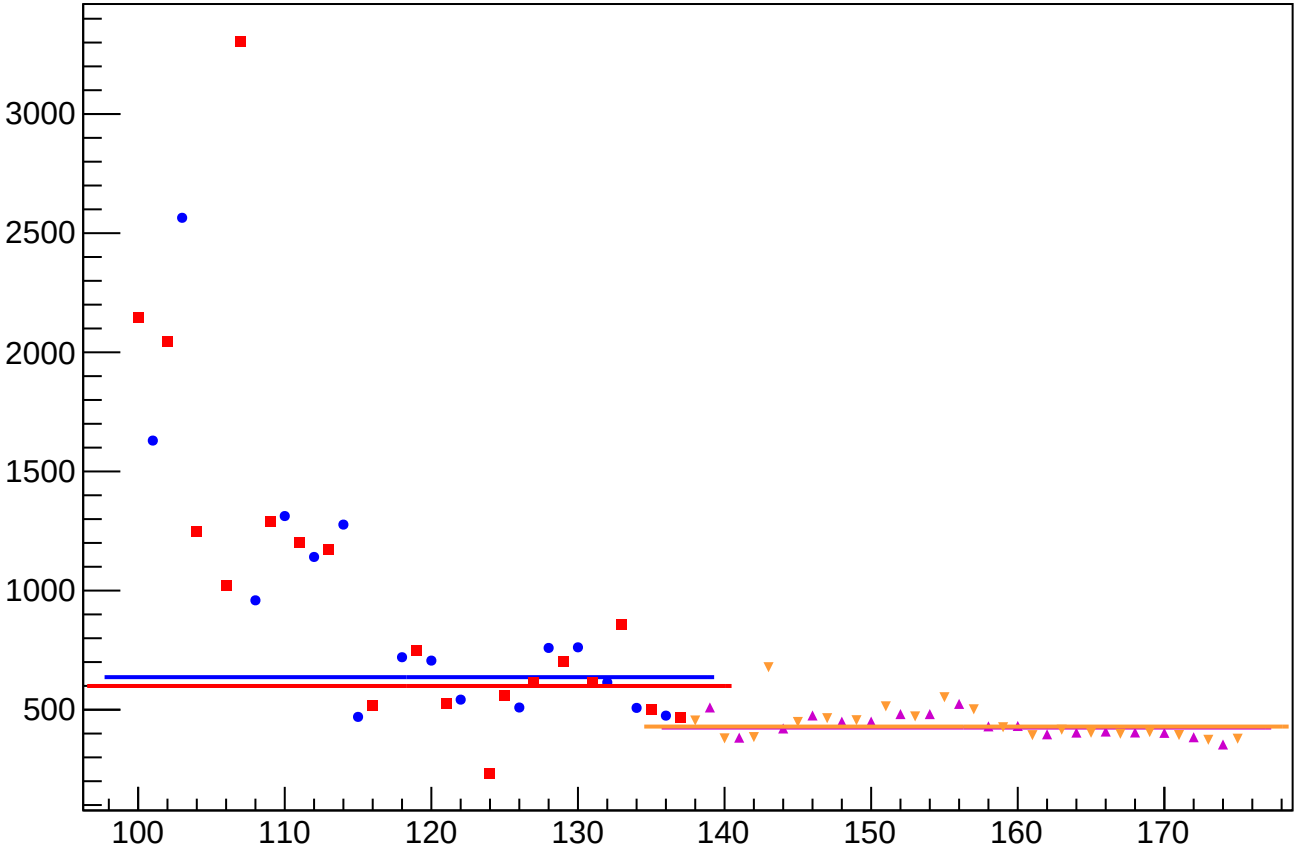
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 24.996+/-102.098 χ^2/NDF:46.6/33

Out: 316.891+/-100.215 χ^2/NDF:79.8/38

All: 173.660+/-71.519 χ^2/NDF: 130.6/72

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 429.292+/-0.077 χ^2/NDF:568546.3/19

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 425.094+/-0.079 χ^2/NDF:314402.4/17

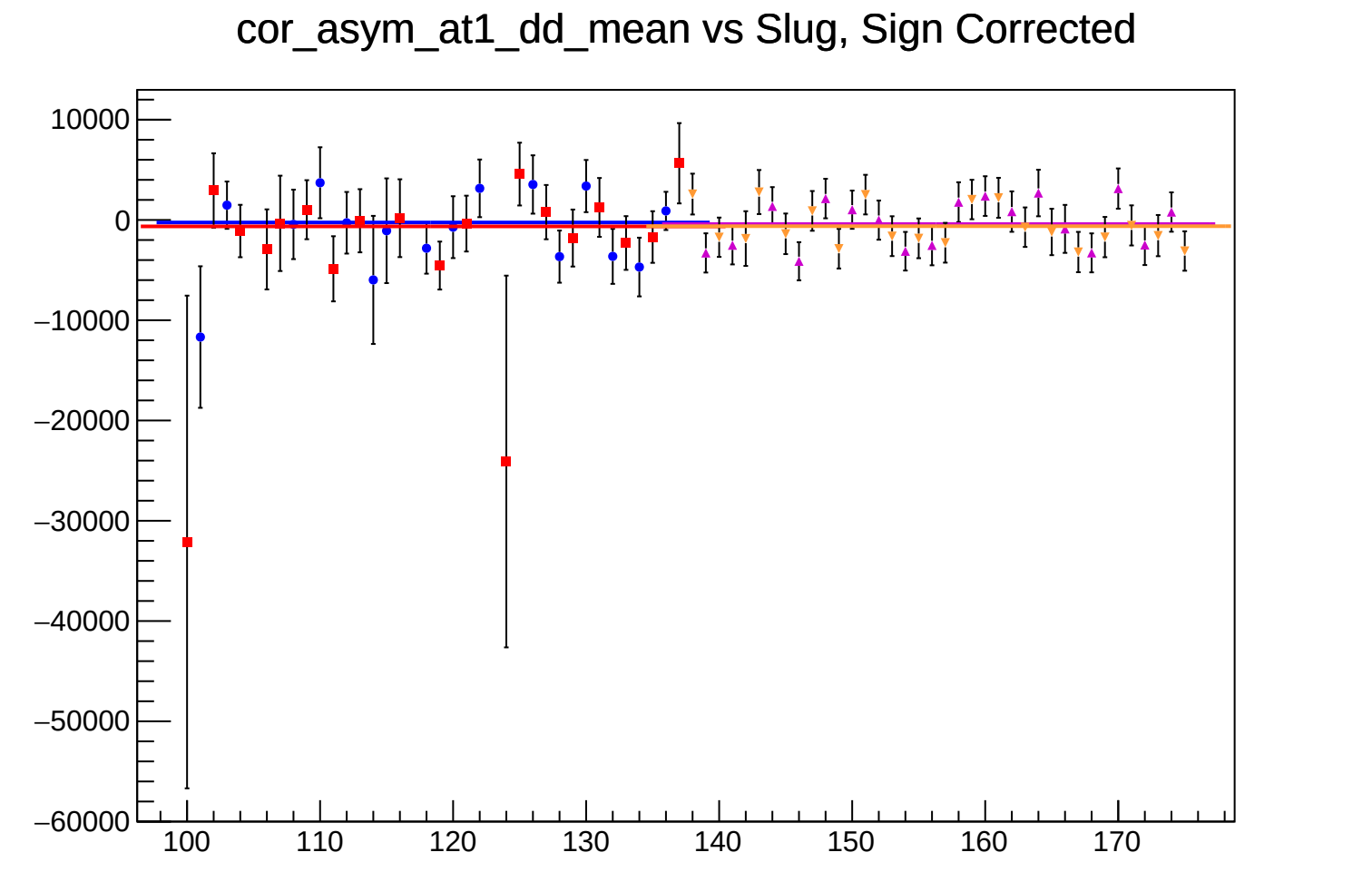
Left: 427.231+/-0.055 χ^2/NDF: 884401.2/37

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 458.085+/-0.072 χ^2/NDF:3511887.1/33

Out: 456.055+/-0.071 χ^2/NDF:4277875.5/38

All: 457.051+/-0.051 χ^2/NDF: 7790164.9/72



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -410.995+/-469.417 χ^2/NDF:25.6/17

Left: -519.268+/-327.035 χ^2/NDF: 44.6/37

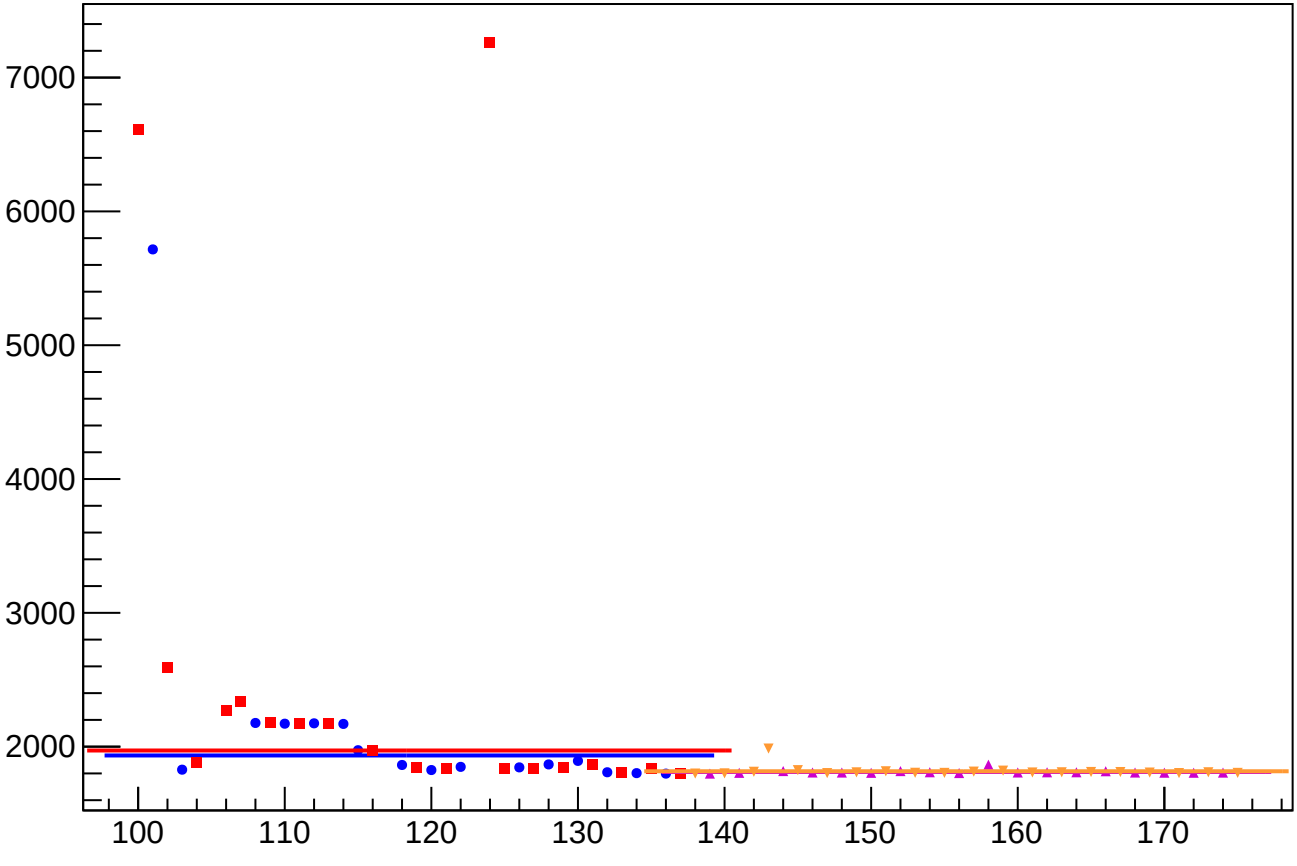
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -364.503+/-395.634 χ^2/NDF:42.9/33

Out: -626.779+/-387.634 χ^2/NDF:34.9/38

All: -498.320+/-276.884 χ^2/NDF: 78.0/72

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

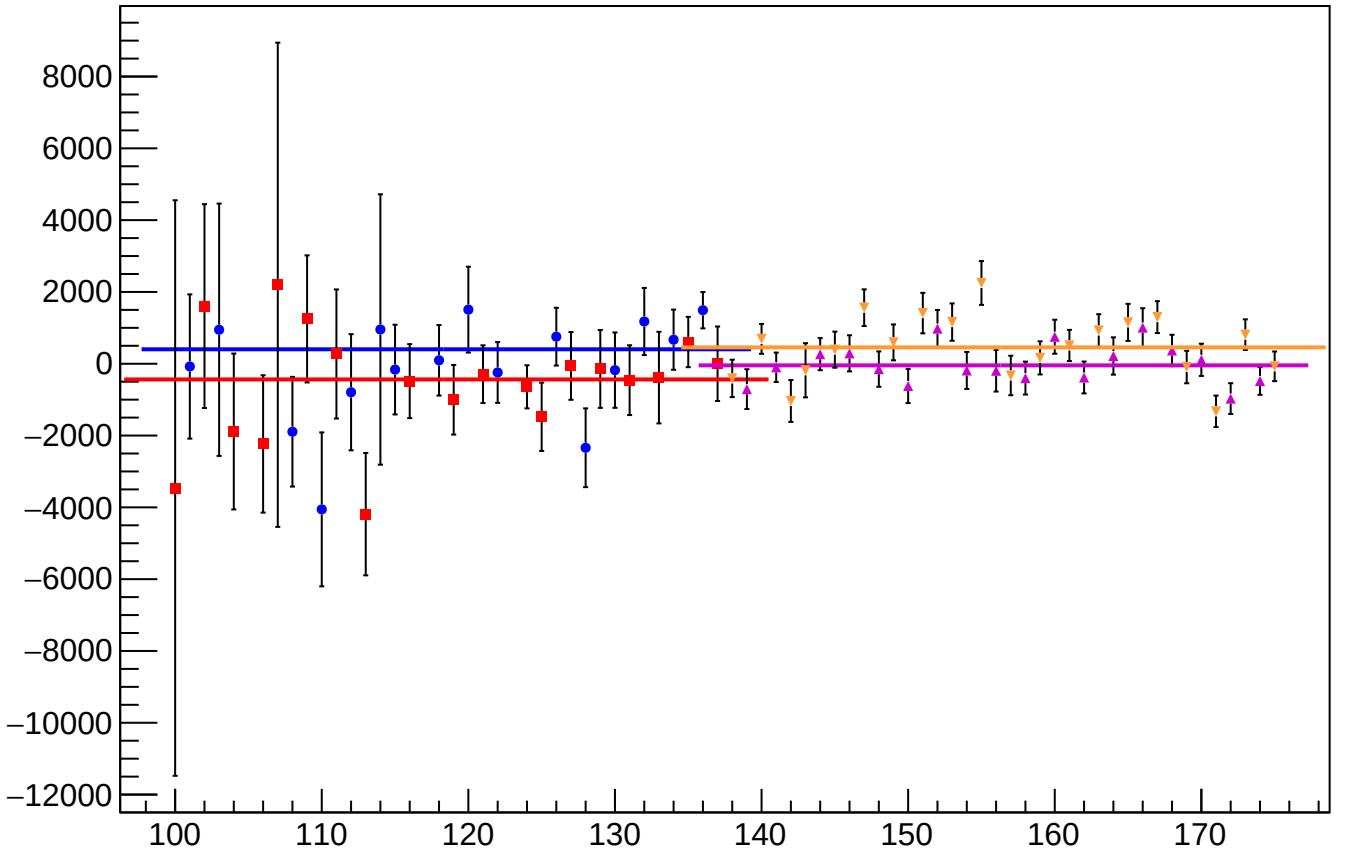
Left: 1813.592+/-0.231 χ^2/NDF: 14779.3/37

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1846.612+/-0.280 χ^2/NDF:681707.3/33

Out: 1859.132+/-0.274 χ^2/NDF:460243.1/38

All: 1853.000+/-0.196 χ^2/NDF: 1142972.3/72



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -44.735+/-111.126 χ^2/NDF:23.0/17

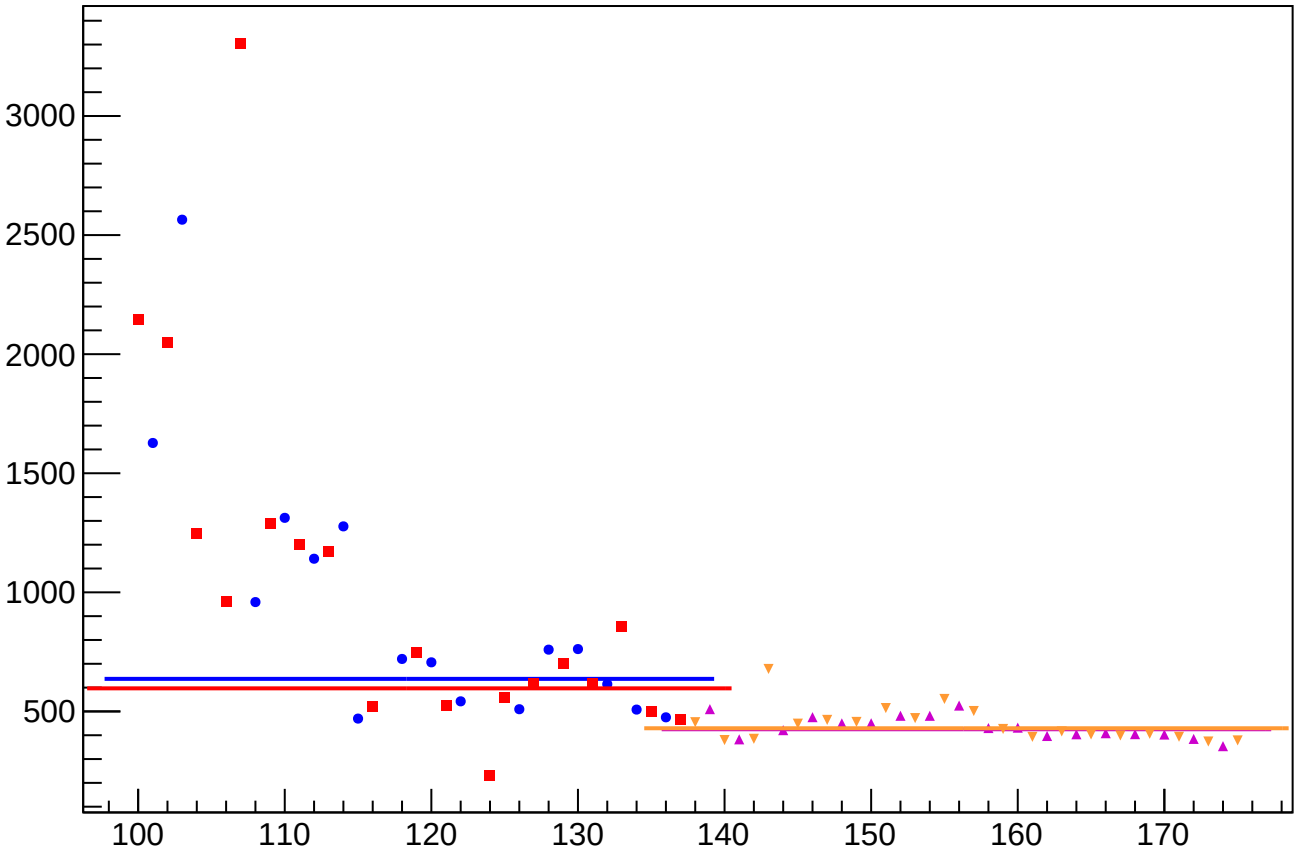
Left: 210.172+/-77.872 χ^2/NDF: 91.0/37

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 25.027+/-102.096 χ^2/NDF:46.6/33

Out: 315.701+/-100.205 χ^2/NDF:80.6/38

All: 173.081+/-71.515 χ^2/NDF: 131.3/72



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

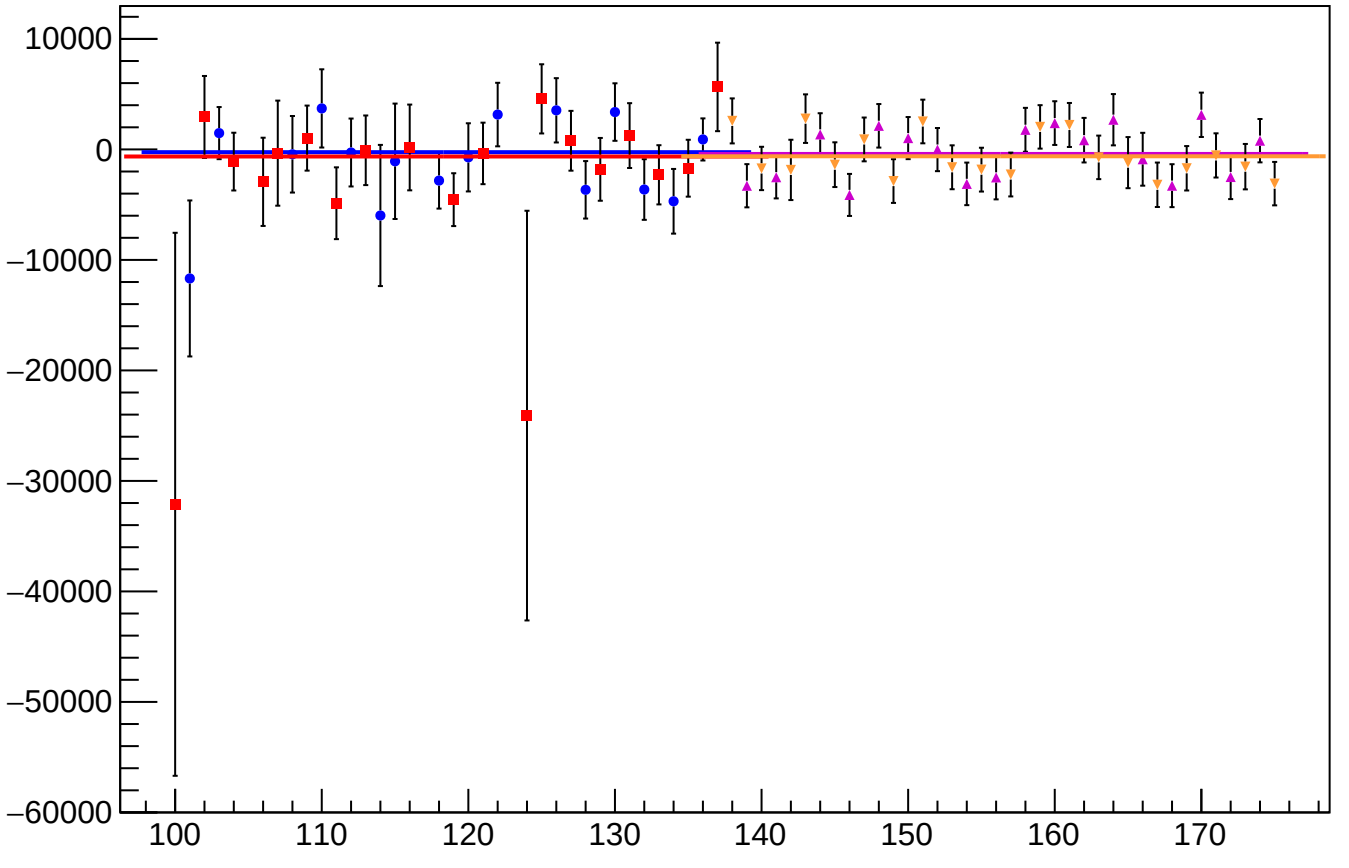
Left: 427.227+/-0.055 χ^2/NDF: 884454.5/37

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 458.083+/-0.072 χ^2/NDF:3511144.7/33

Out: 455.644+/-0.071 χ^2/NDF:4240343.2/38

All: 456.841+/-0.051 χ^2/NDF: 7752069.2/72



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -410.995+/-469.417 χ^2/NDF:25.6/17

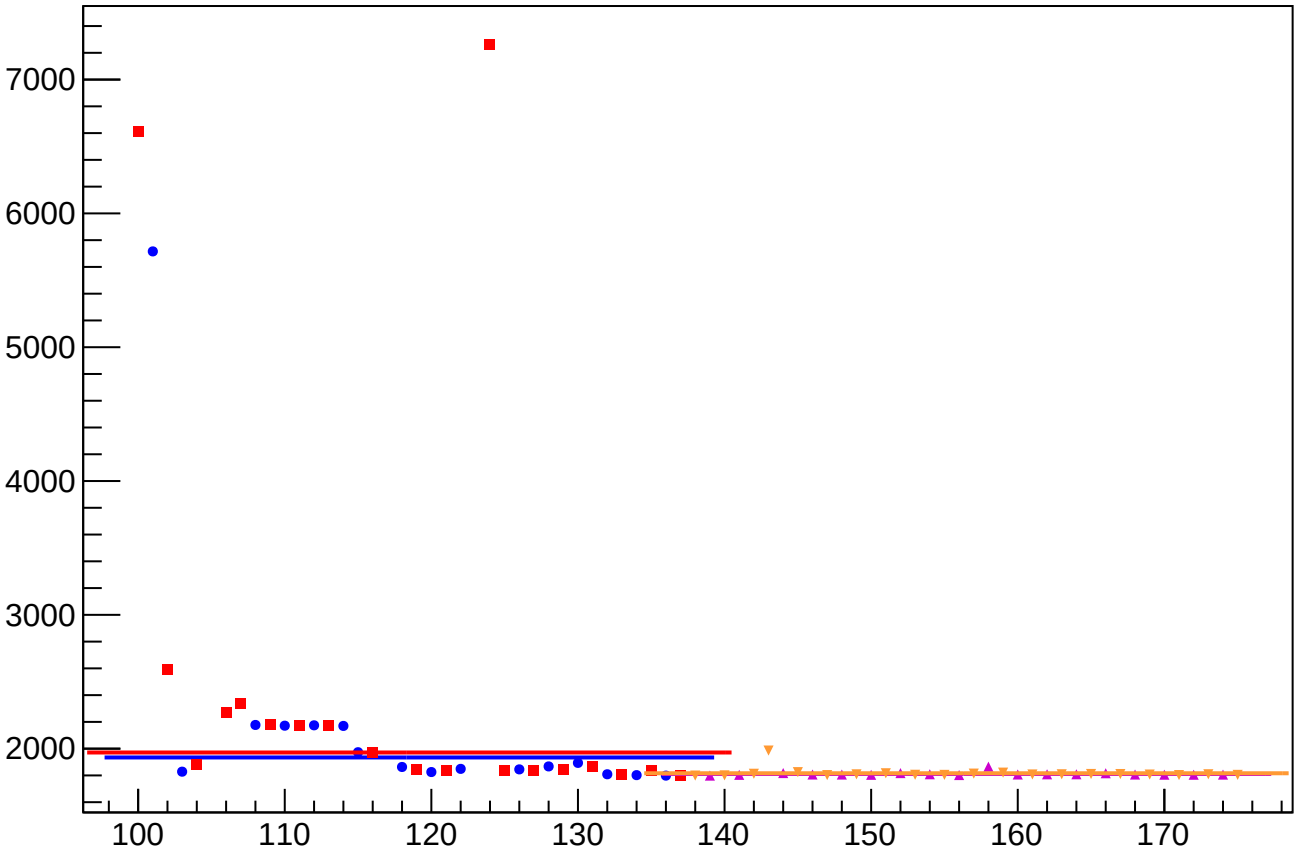
Left: -519.268+/-327.035 χ^2/NDF: 44.6/37

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -364.503+/-395.634 χ^2/NDF:42.9/33

Out: -626.779+/-387.634 χ^2/NDF:34.9/38

All: -498.320+/-276.884 χ^2/NDF: 78.0/72



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

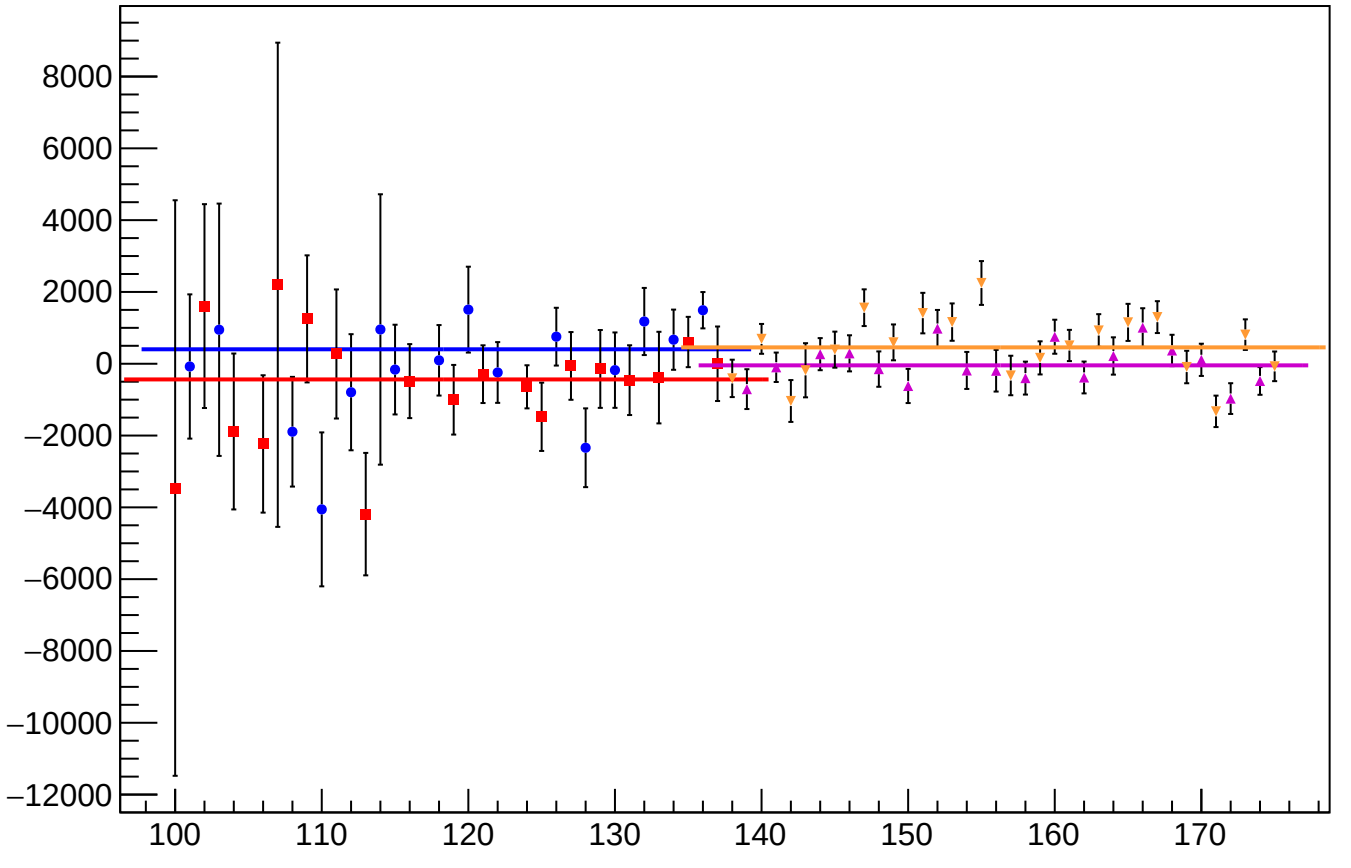
Left: 1813.592+/-0.231 χ^2/NDF: 14779.3/37

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1846.612+/-0.280 χ^2/NDF:681707.3/33

Out: 1859.132+/-0.274 χ^2/NDF:460243.1/38

All: 1853.000+/-0.196 χ^2/NDF: 1142972.3/72



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -44.735+/-111.126 χ^2/NDF:23.0/17

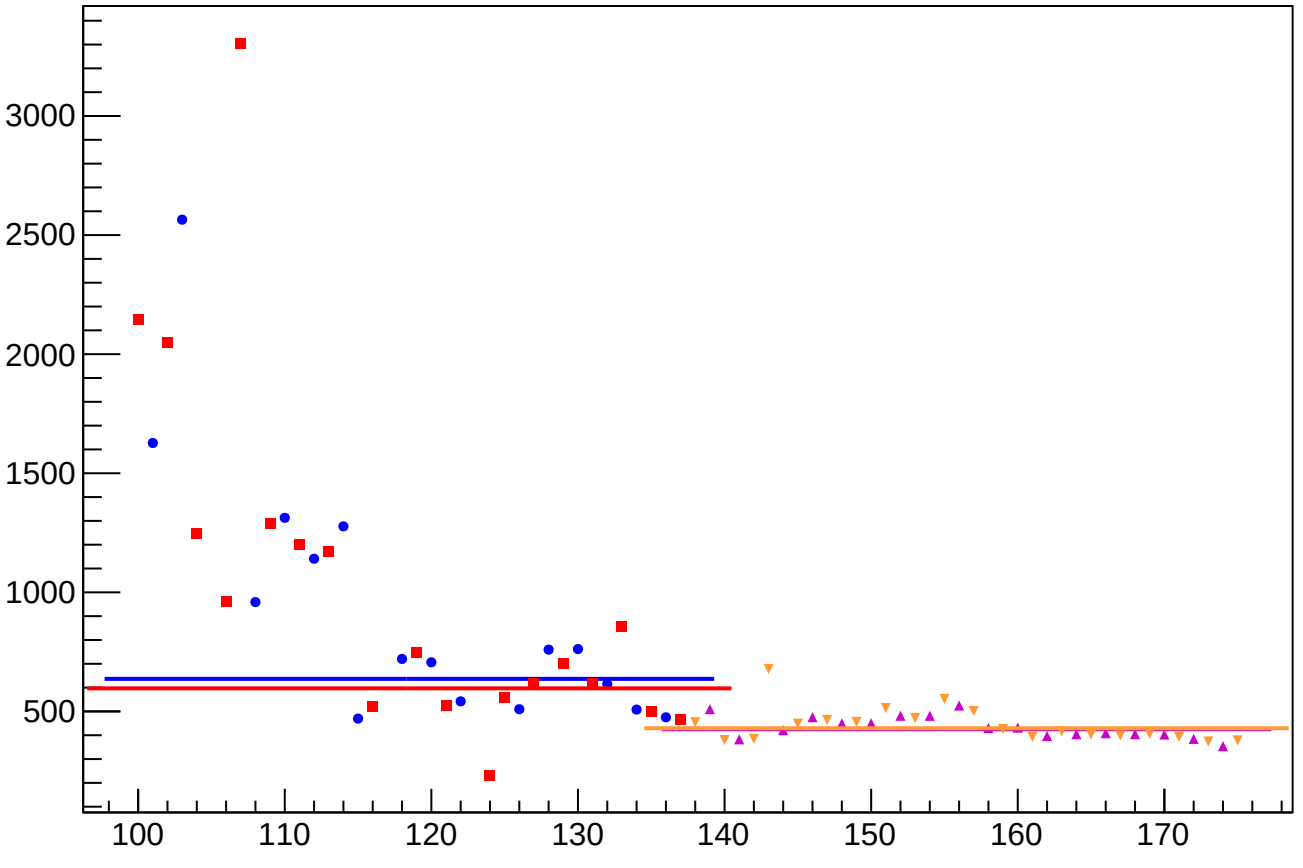
Left: 210.172+/-77.872 χ^2/NDF: 91.0/37

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 25.027+/-102.096 χ^2/NDF:46.6/33

Out: 315.701+/-100.205 χ^2/NDF:80.6/38

All: 173.081+/-71.515 χ^2/NDF: 131.3/72



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

Left: 427.227+/-0.055 χ^2/NDF: 884454.5/37

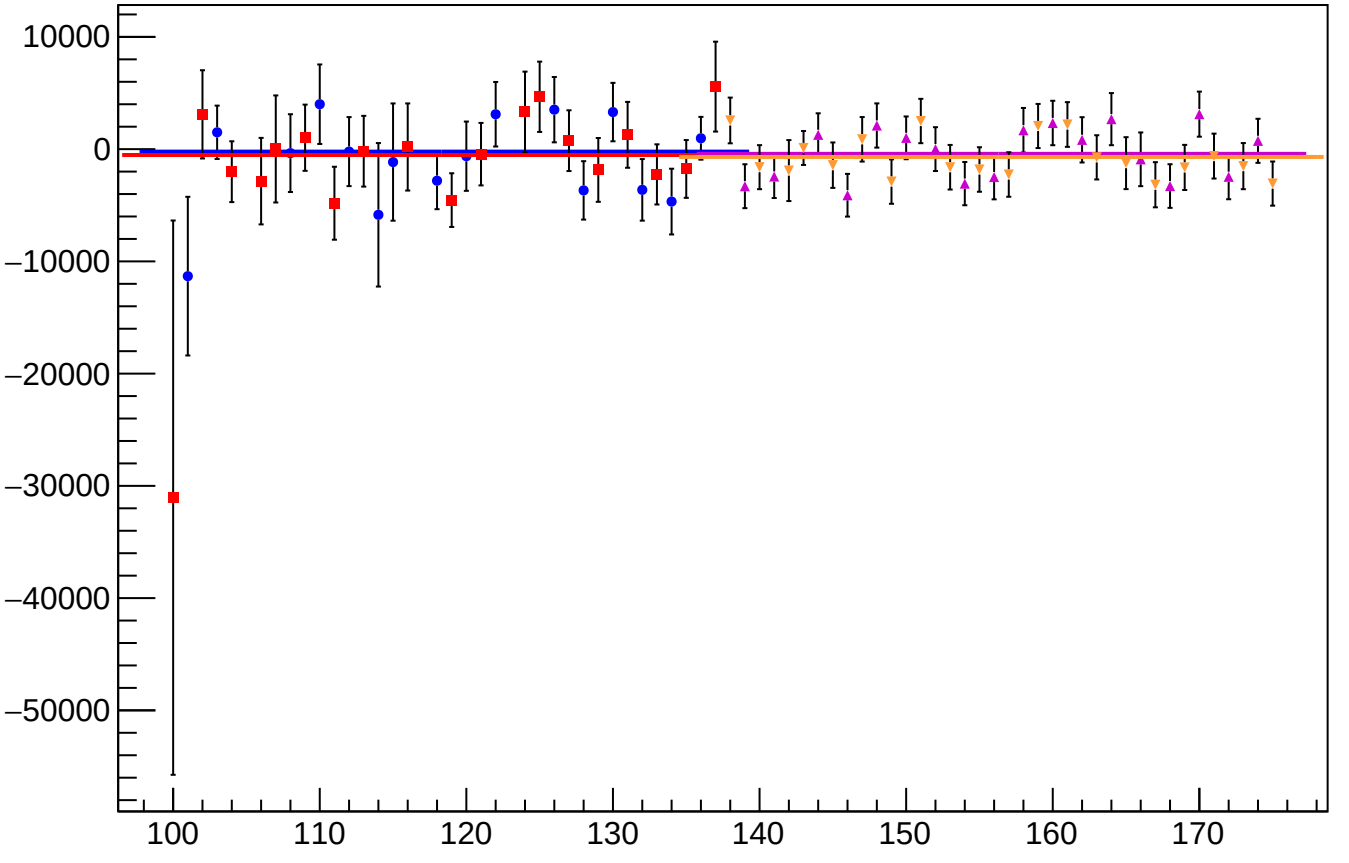
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 458.083+/-0.072 χ^2/NDF:3511144.7/33

Out: 455.644+/-0.071 χ^2/NDF:4240343.2/38

All: 456.841+/-0.051 χ^2/NDF: 7752069.2/72

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.931+/-445.360 χ^2/NDF:16.5/19

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -418.990+/-469.572 χ^2/NDF:25.0/17

Left: -564.784+/-323.138 χ^2/NDF: 41.6/37

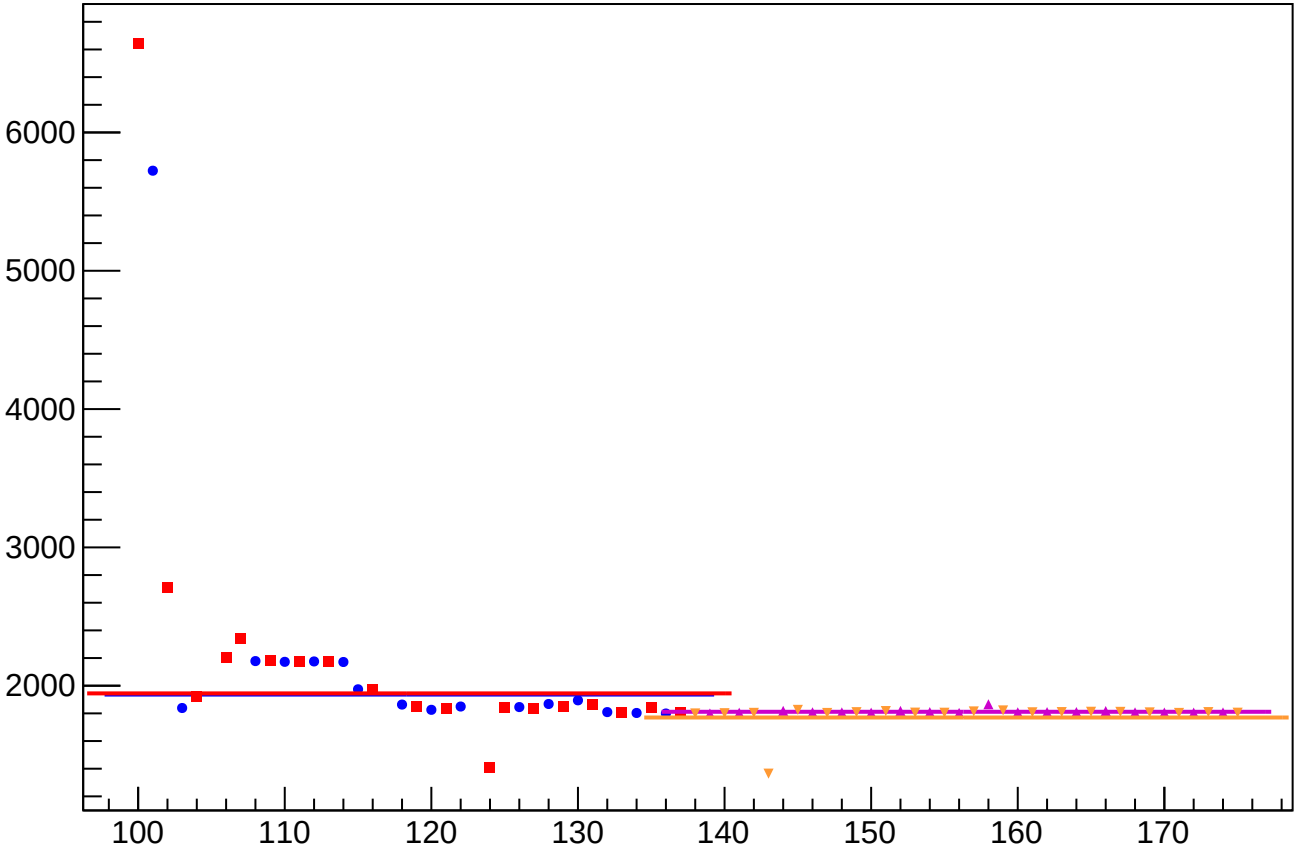
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -361.525+/-395.848 χ^2/NDF:42.1/33

Out: -647.802+/-379.477 χ^2/NDF:32.1/38

All: -510.705+/-273.936 χ^2/NDF: 74.5/72

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.5/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

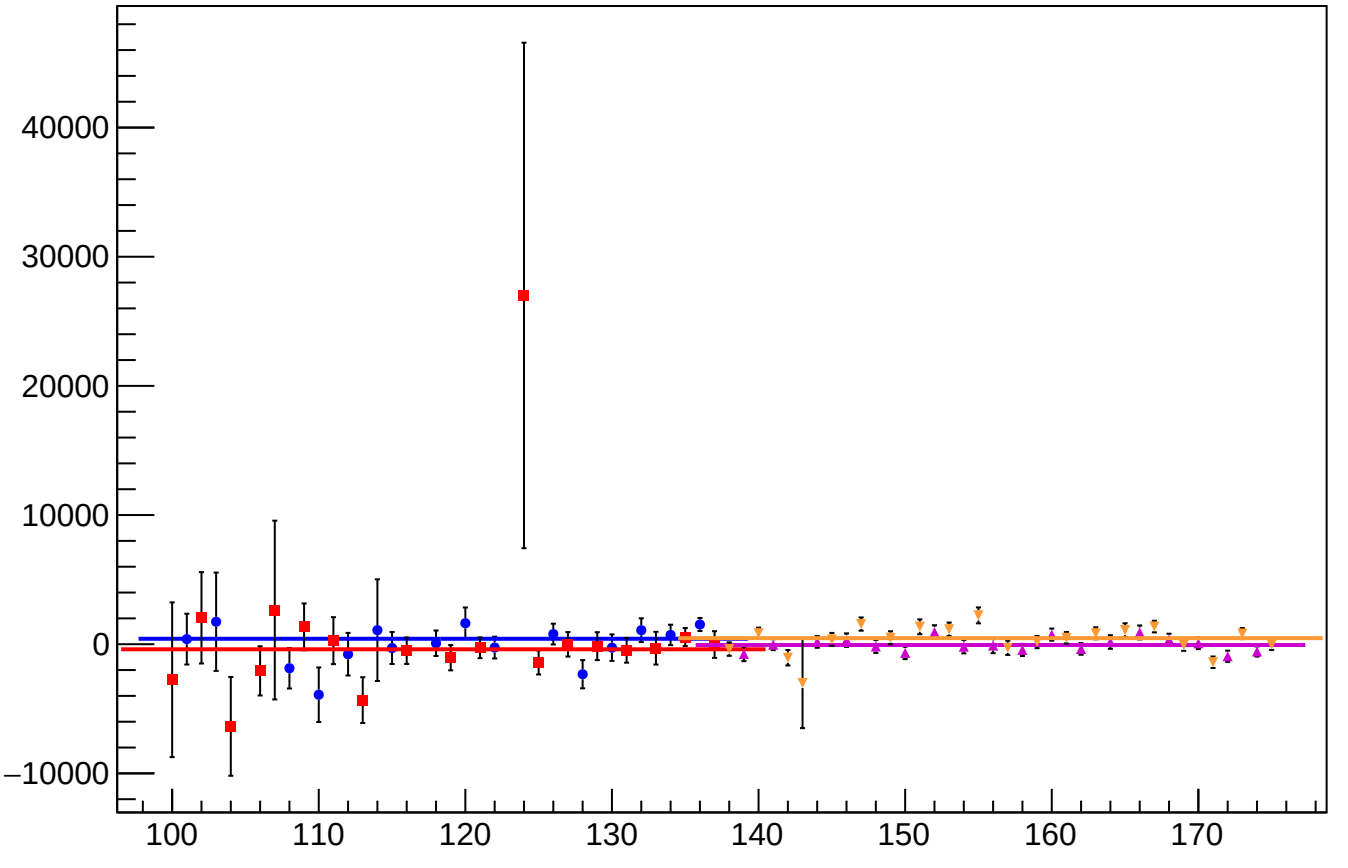
Left: 1789.723+/-0.228 χ^2/NDF: 168667.7/37

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1847.509+/-0.280 χ^2/NDF:682277.8/33

Out: 1817.913+/-0.268 χ^2/NDF:518911.2/38

All: 1832.086+/-0.194 χ^2/NDF: 1207015.3/72



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.326+/-111.693 χ^2/NDF:56.9/19

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -61.737+/-112.730 χ^2/NDF:21.9/17

Left: 206.248+/-79.343 χ^2/NDF: 90.0/37

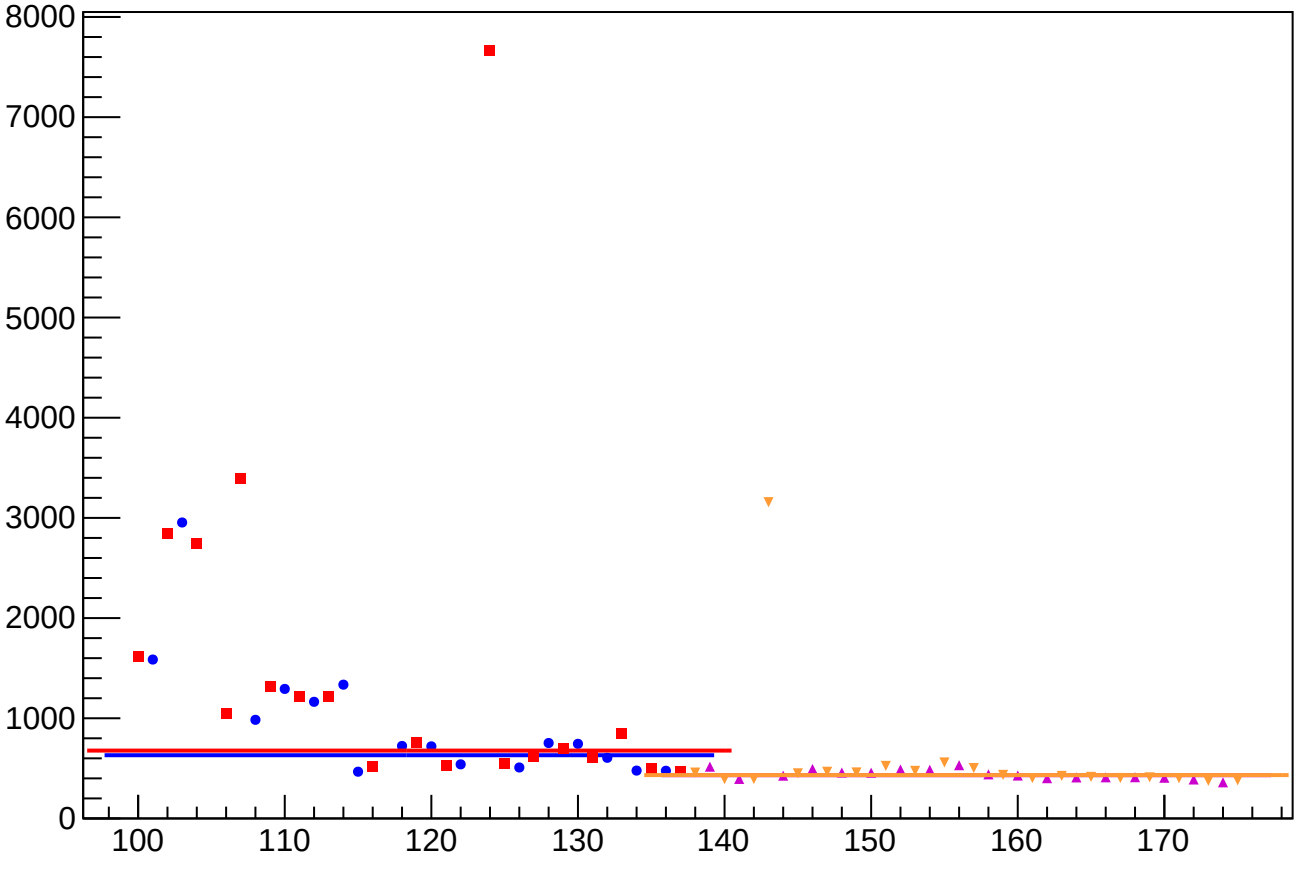
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 16.308+/-103.219 χ^2/NDF:46.3/33

Out: 350.545+/-103.721 χ^2/NDF:81.0/38

All: 182.614+/-73.164 χ^2/NDF: 132.5/72

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 432.831+/-0.079 χ^2/NDF:1545634.9/19

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 431.682+/-0.080 χ^2/NDF:315178.4/17

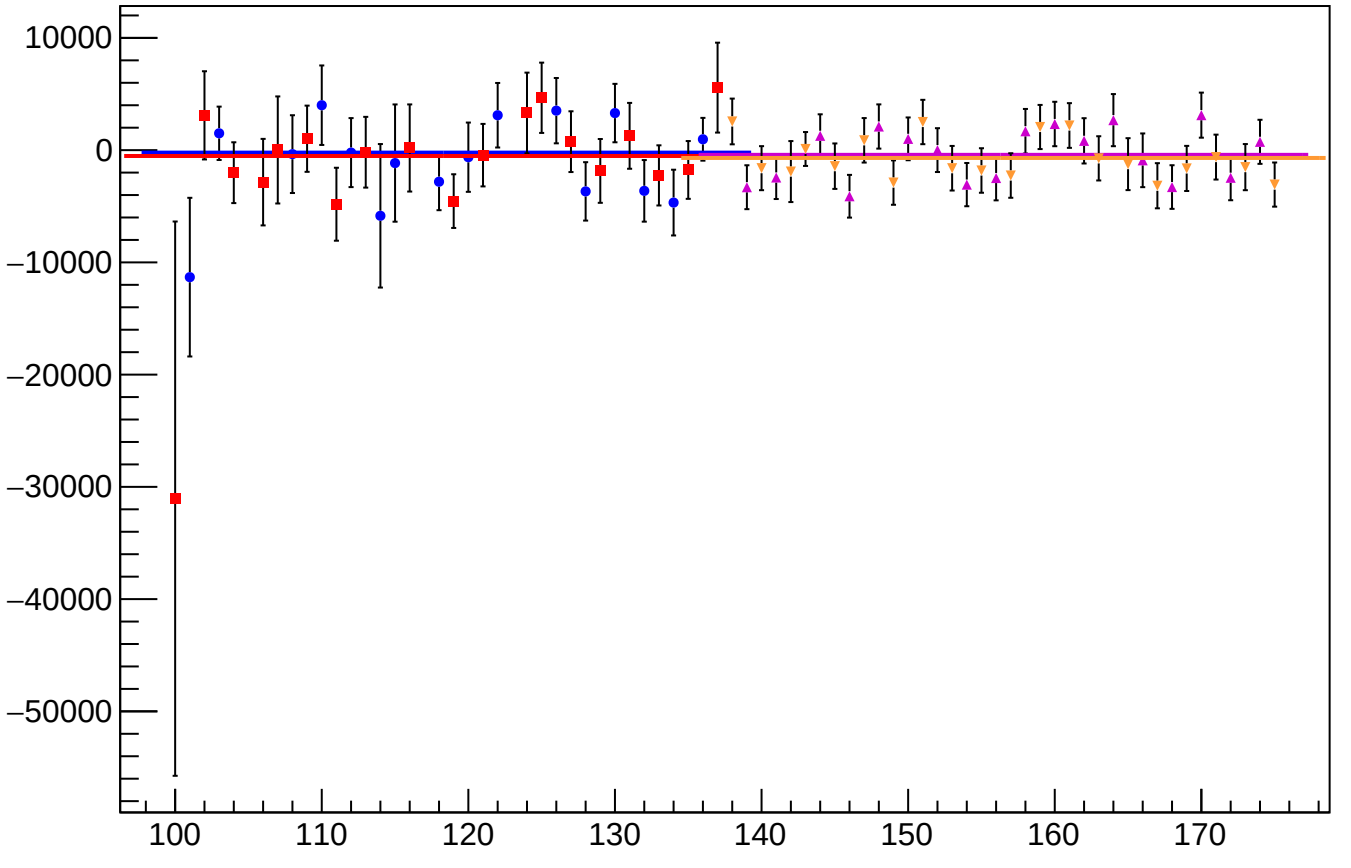
Left: 432.262+/-0.056 χ^2/NDF: 1860918.1/37

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 463.919+/-0.073 χ^2/NDF:3561595.8/33

Out: 466.501+/-0.073 χ^2/NDF:5947566.7/38

All: 465.204+/-0.052 χ^2/NDF: 9509785.4/72



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.932+/-445.360 χ^2/NDF:16.5/19

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -418.990+/-469.572 χ^2/NDF:25.0/17

Left: -564.785+/-323.138 χ^2/NDF: 41.6/37

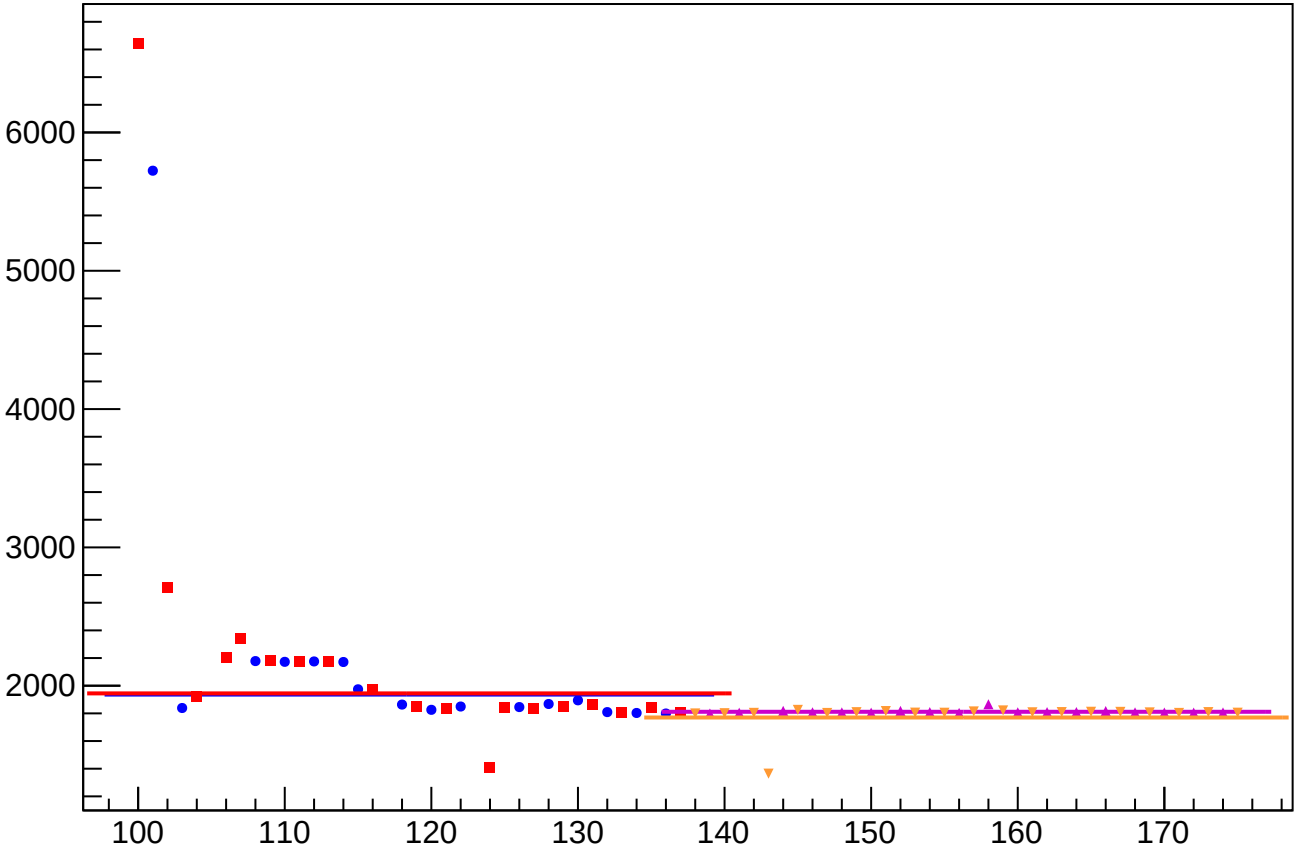
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -361.525+/-395.848 χ^2/NDF:42.1/33

Out: -647.803+/-379.477 χ^2/NDF:32.1/38

All: -510.706+/-273.936 χ^2/NDF: 74.5/72

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.4/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

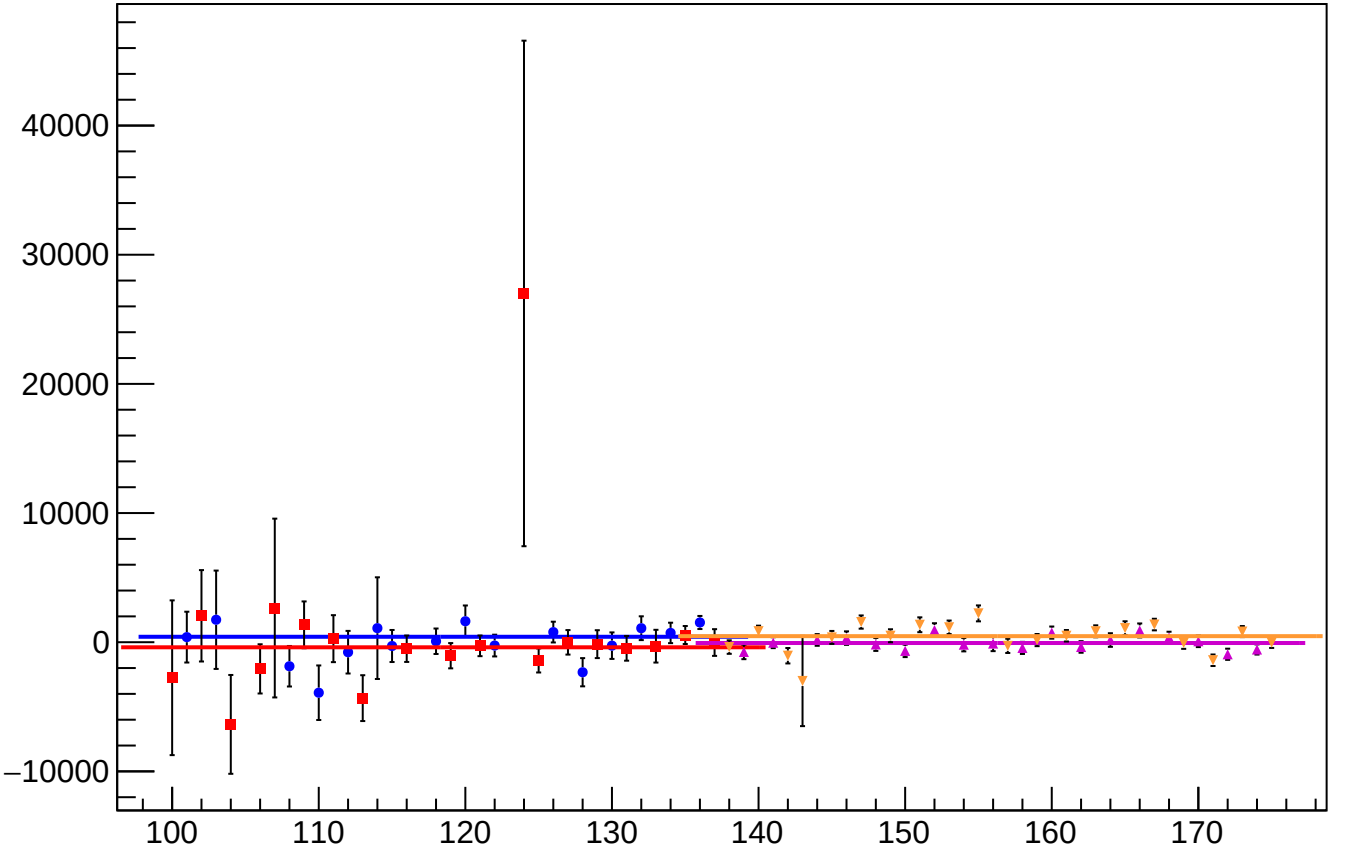
Left: 1789.723+/-0.228 χ^2/NDF: 168667.7/37

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1847.509+/-0.280 χ^2/NDF:682277.8/33

Out: 1817.913+/-0.268 χ^2/NDF:518911.0/38

All: 1832.086+/-0.194 χ^2/NDF: 1207015.0/72



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.325+/-111.693 χ^2/NDF:56.9/19

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -61.736+/-112.730 χ^2/NDF:21.9/17

Left: 206.248+/-79.343 χ^2/NDF: 90.0/37

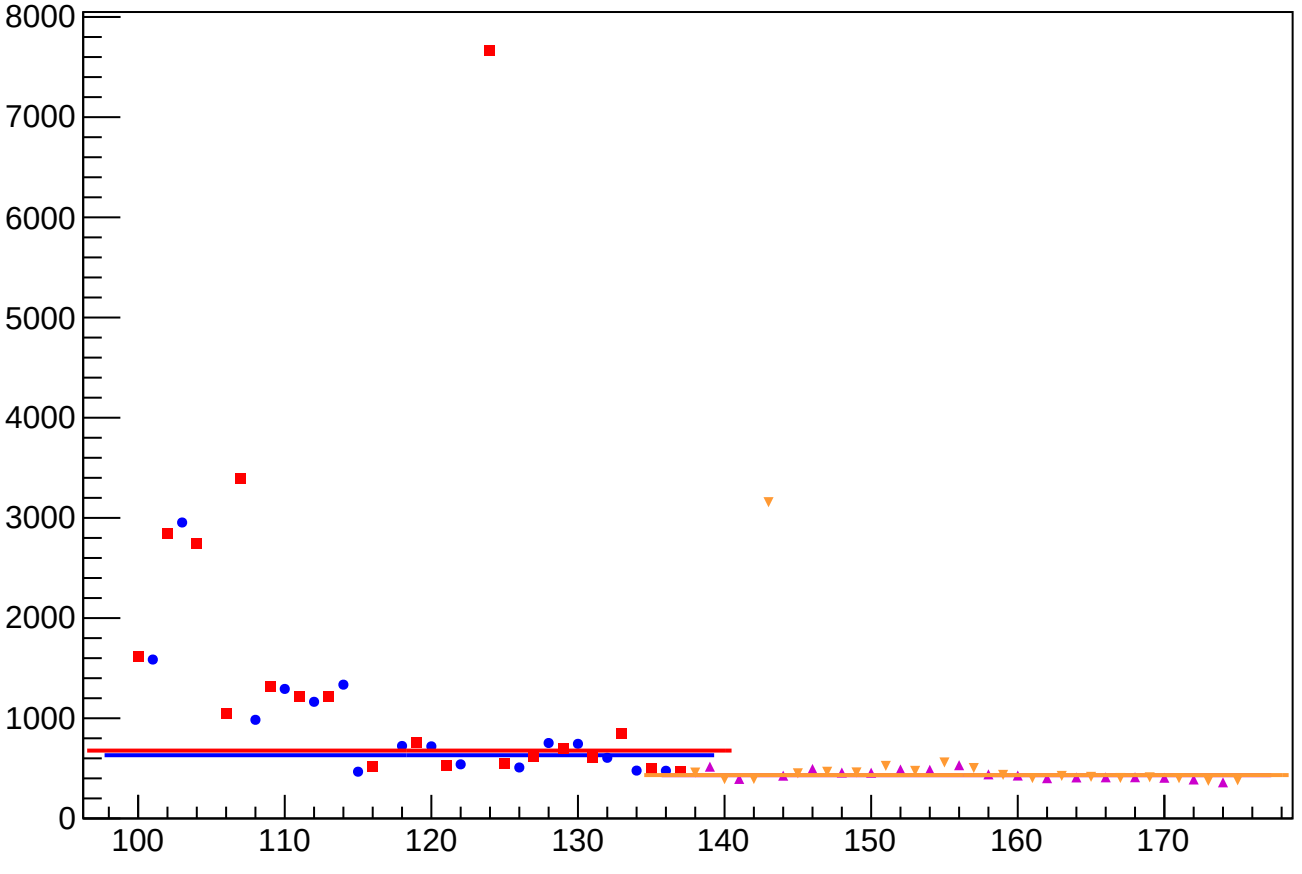
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 16.308+/-103.219 χ^2/NDF:46.3/33

Out: 350.544+/-103.721 χ^2/NDF:81.0/38

All: 182.615+/-73.164 χ^2/NDF: 132.5/72

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 432.830+/-0.079 χ^2/NDF:1545636.3/19

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 431.682+/-0.080 χ^2/NDF:315181.4/17

Left: 432.261+/-0.056 χ^2/NDF: 1860922.5/37

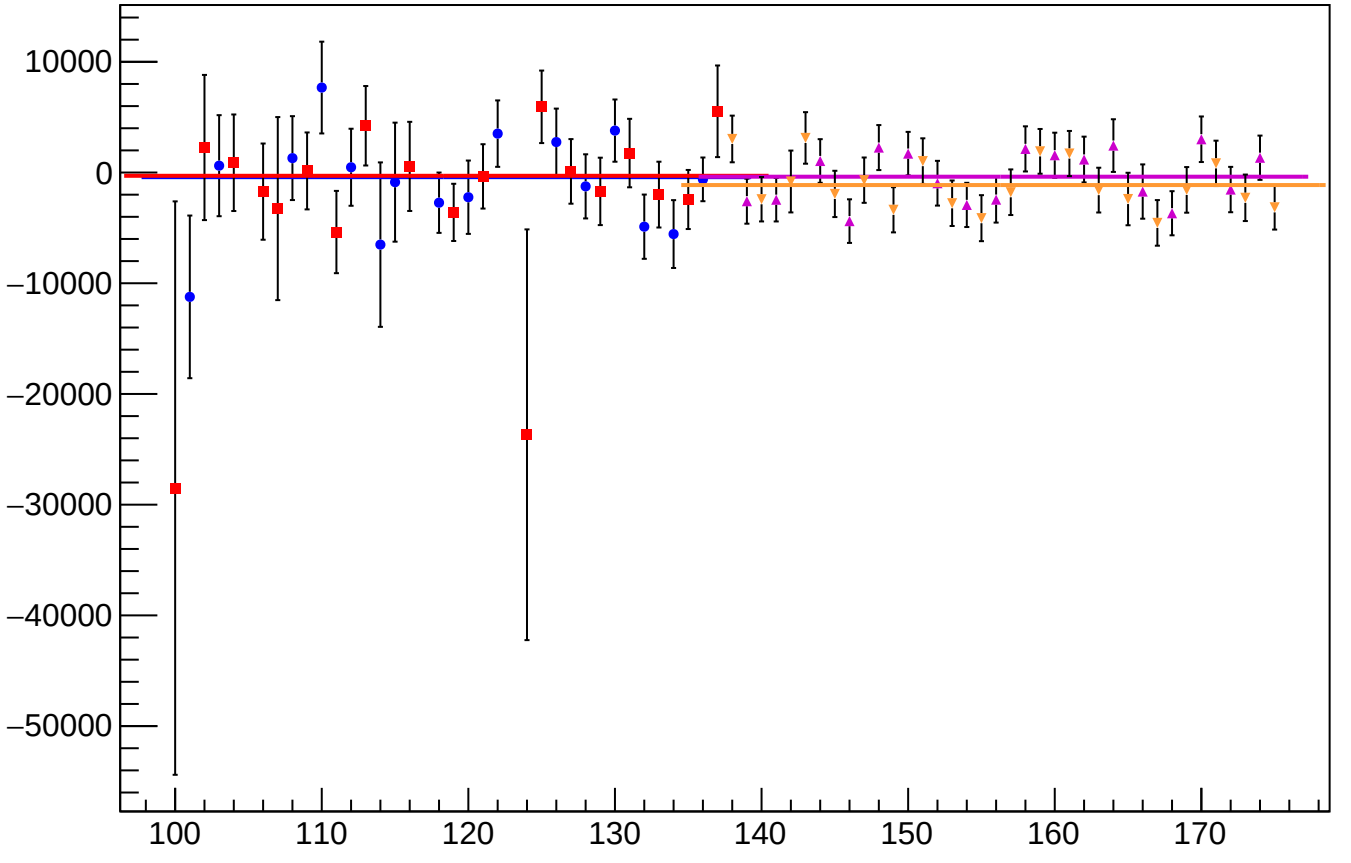
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 463.918+/-0.073 χ^2/NDF:3561598.2/33

Out: 466.501+/-0.073 χ^2/NDF:5947570.0/38

All: 465.203+/-0.052 χ^2/NDF: 9509791.2/72

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1130.907+/-470.051 χ^2/NDF:22.5/19

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -376.595+/-483.259 χ^2/NDF:23.7/17

Left: -764.200+/-336.949 χ^2/NDF: 47.5/37

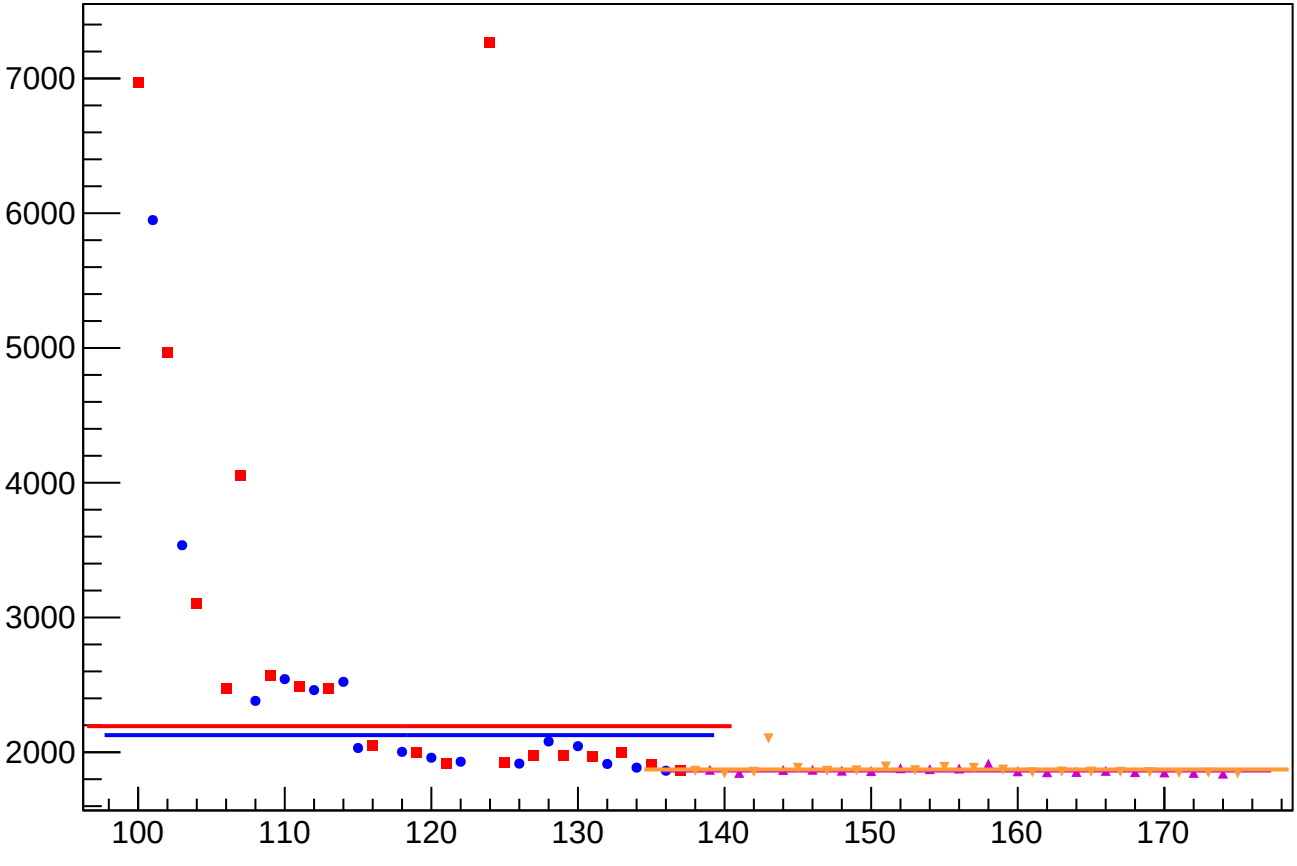
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -387.270+/-415.726 χ^2/NDF:42.0/33

Out: -928.395+/-409.207 χ^2/NDF:38.9/38

All: -662.109+/-291.630 χ^2/NDF: 81.8/72

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1872.315+/-0.332 χ^2/NDF:22531.2/19

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.252+/-0.342 χ^2/NDF:2439.5/17

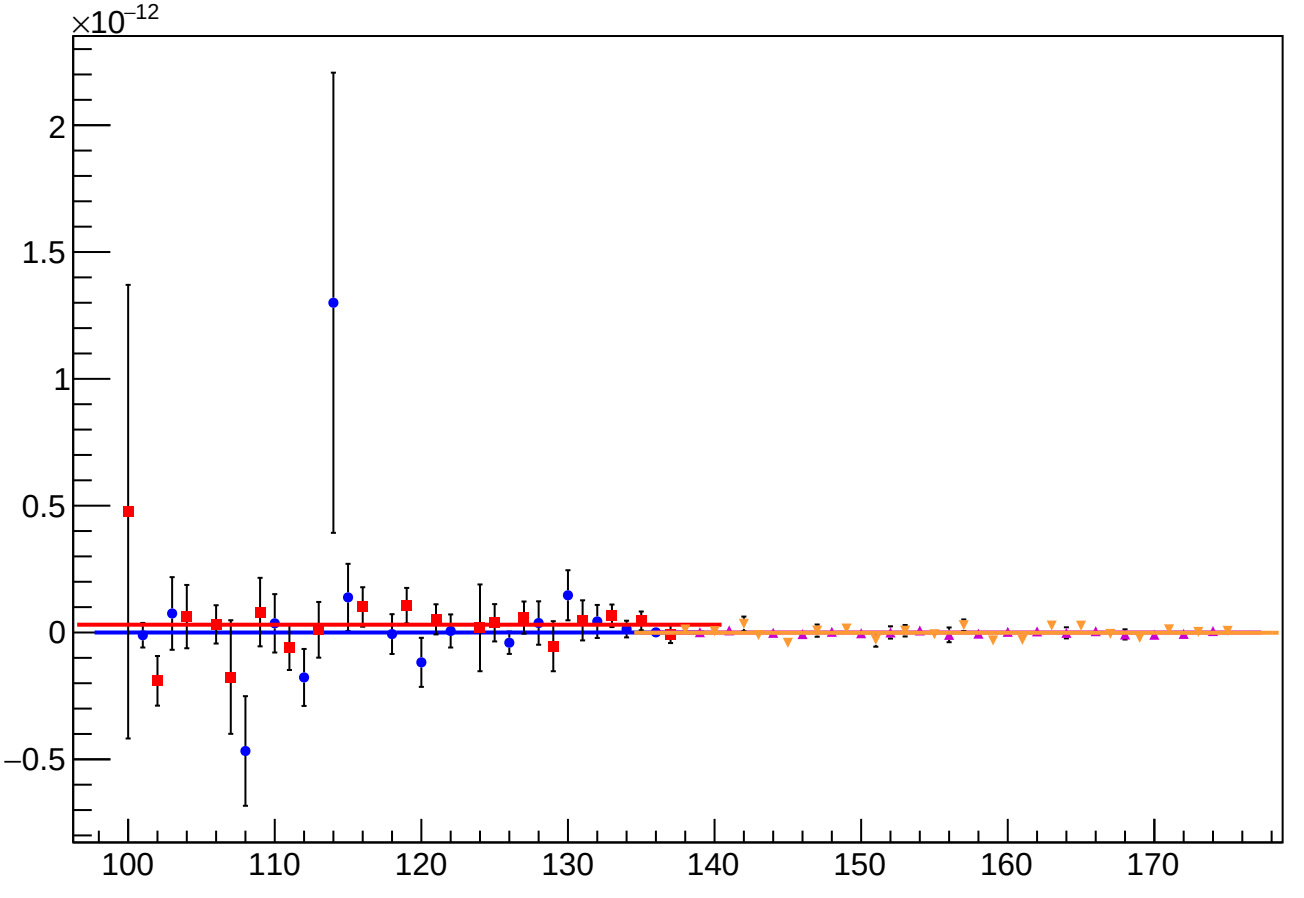
Left: 1868.395+/-0.238 χ^2/NDF: 25256.8/37

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1932.566+/-0.294 χ^2/NDF:1031259.7/33

Out: 1950.098+/-0.289 χ^2/NDF:1191295.5/38

All: 1941.471+/-0.206 χ^2/NDF: 2224361.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/17

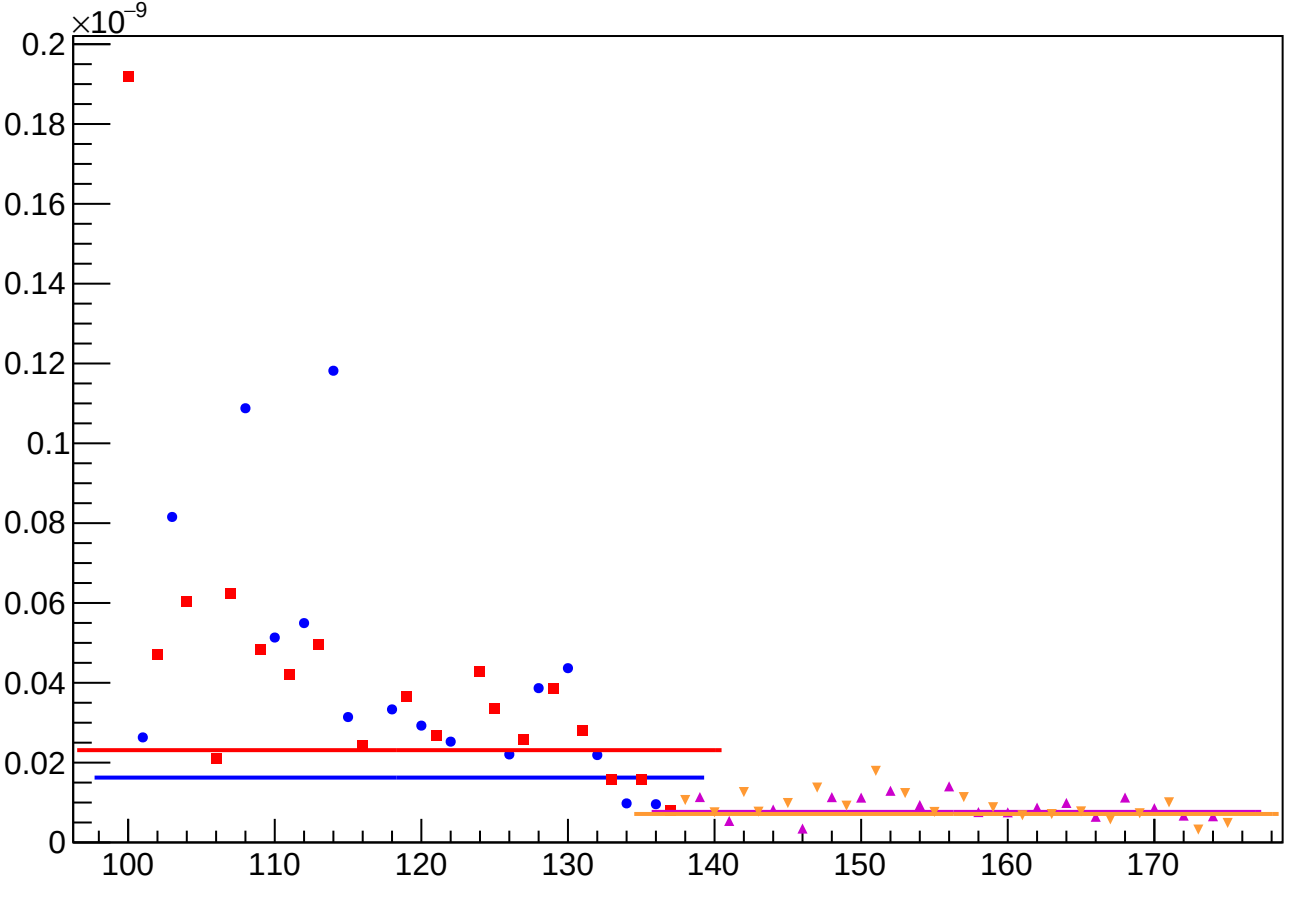
Left: -0.000+/-0.000 χ^2/NDF: 33.7/37

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:18.5/33

Out: 0.000+/-0.000 χ^2/NDF:47.6/38

All: 0.000+/-0.000 χ^2/NDF: 66.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1570533.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1012373.5/17

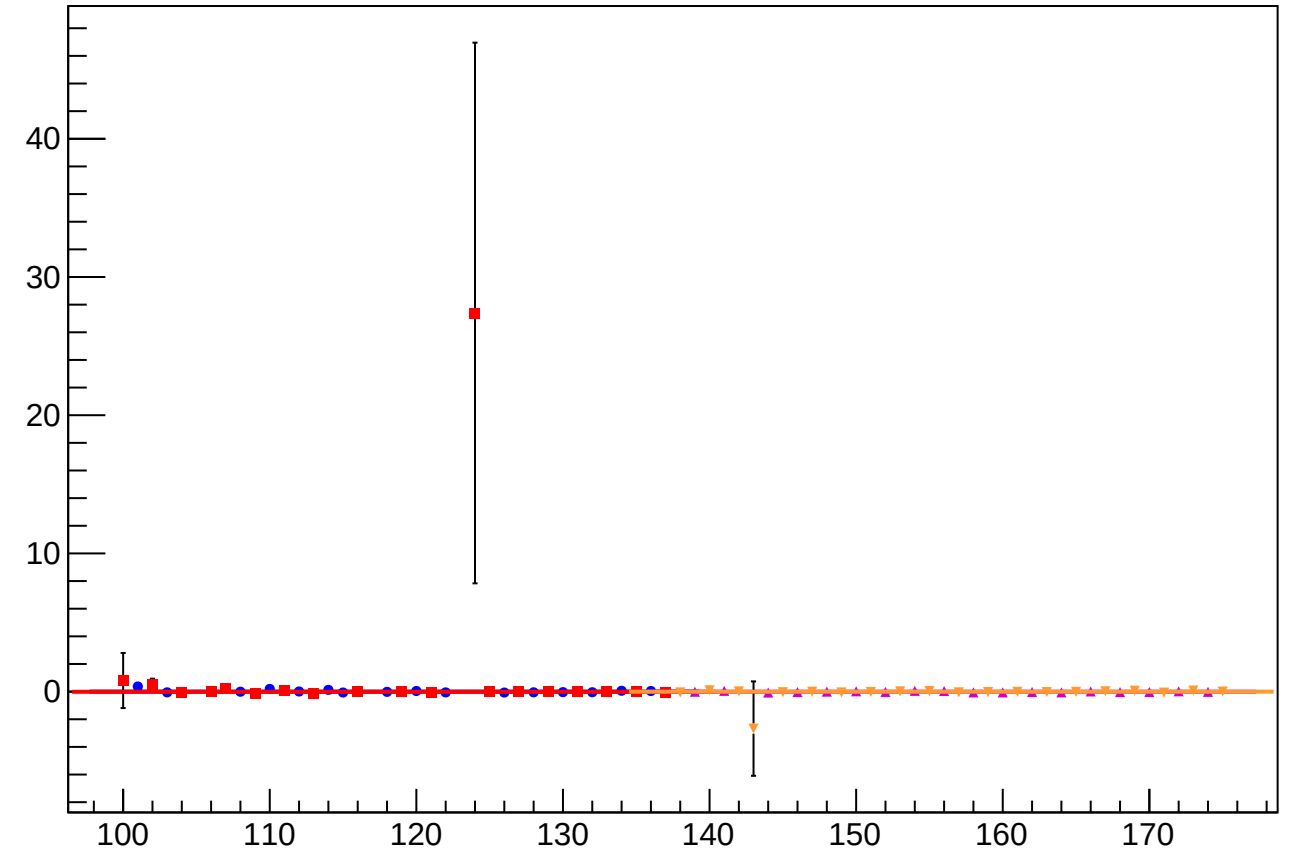
Left: 0.000+/-0.000 χ^2/NDF: 2605479.9/37

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4261153.0/33

Out: 0.000+/-0.000 χ^2/NDF:4966800.3/38

All: 0.000+/-0.000 χ^2/NDF: 9260292.0/72



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

Left: -0.005+/-0.006 χ^2/NDF: 48.7/37

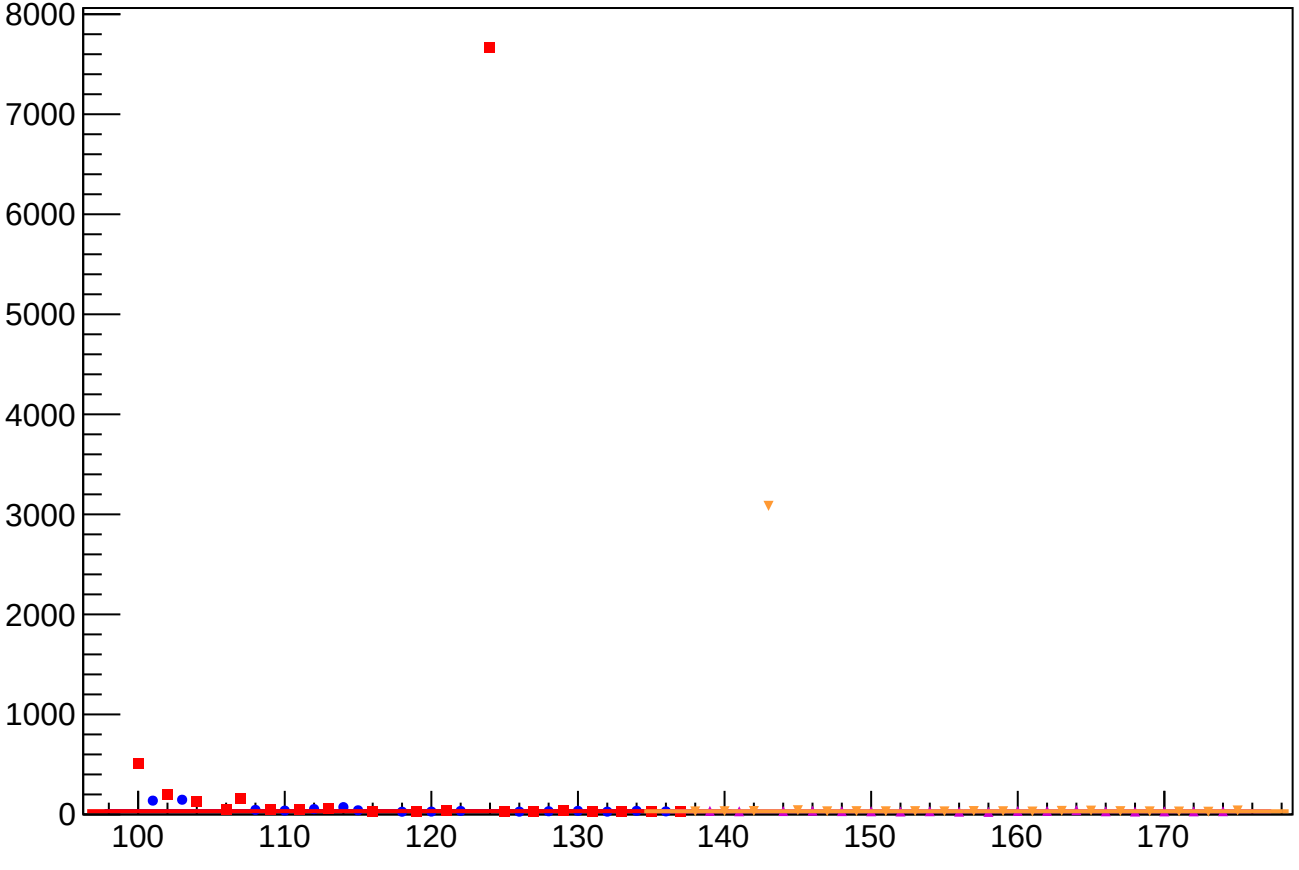
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.005+/-0.005 χ^2/NDF: 84.4/72

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870546.5/19

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

Left: 32.183+/-0.005 χ^2/NDF: 2139084.8/37

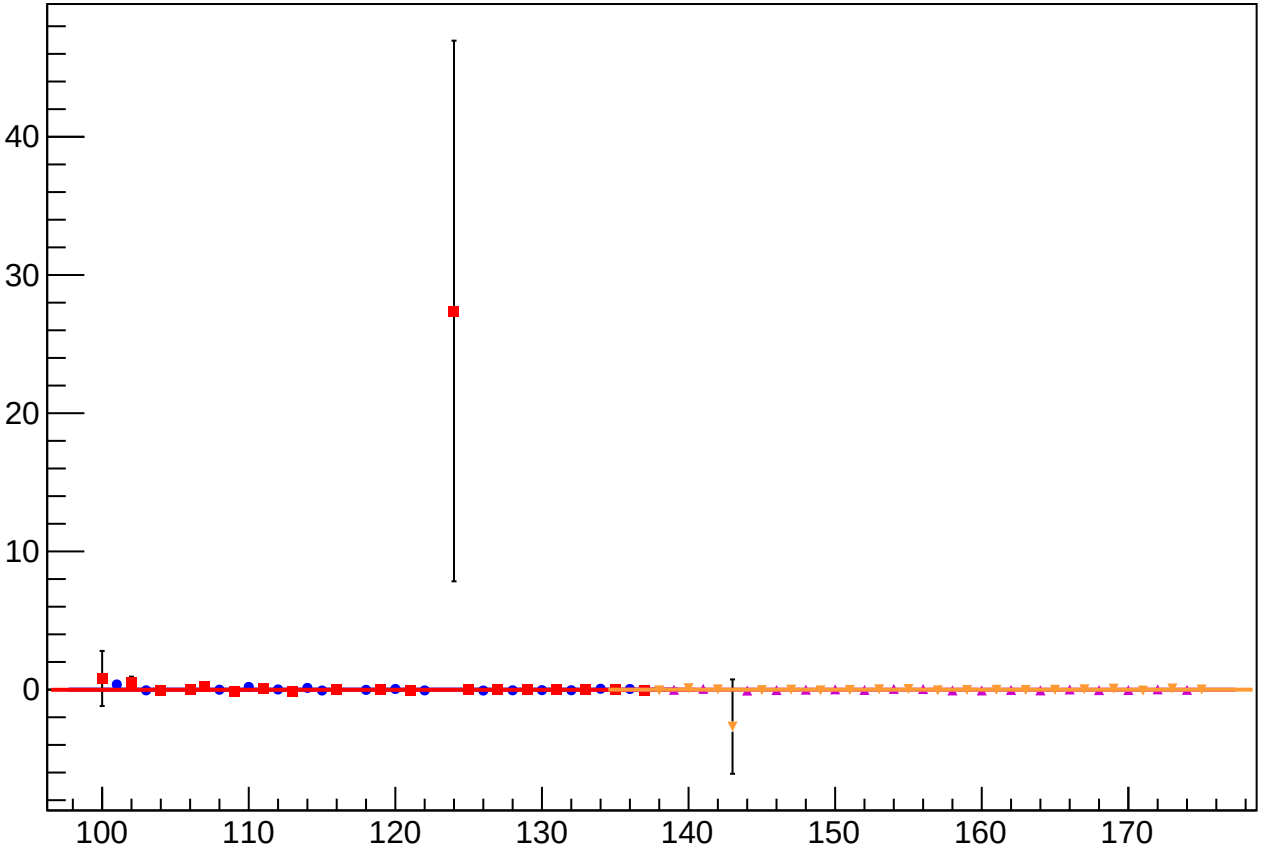
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.758+/-0.005 χ^2/NDF:2006826.4/33

Out: 32.366+/-0.005 χ^2/NDF:3952028.9/38

All: 32.561+/-0.004 χ^2/NDF: 5961435.2/72

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

Left: -0.005+/-0.006 χ^2/NDF: 48.7/37

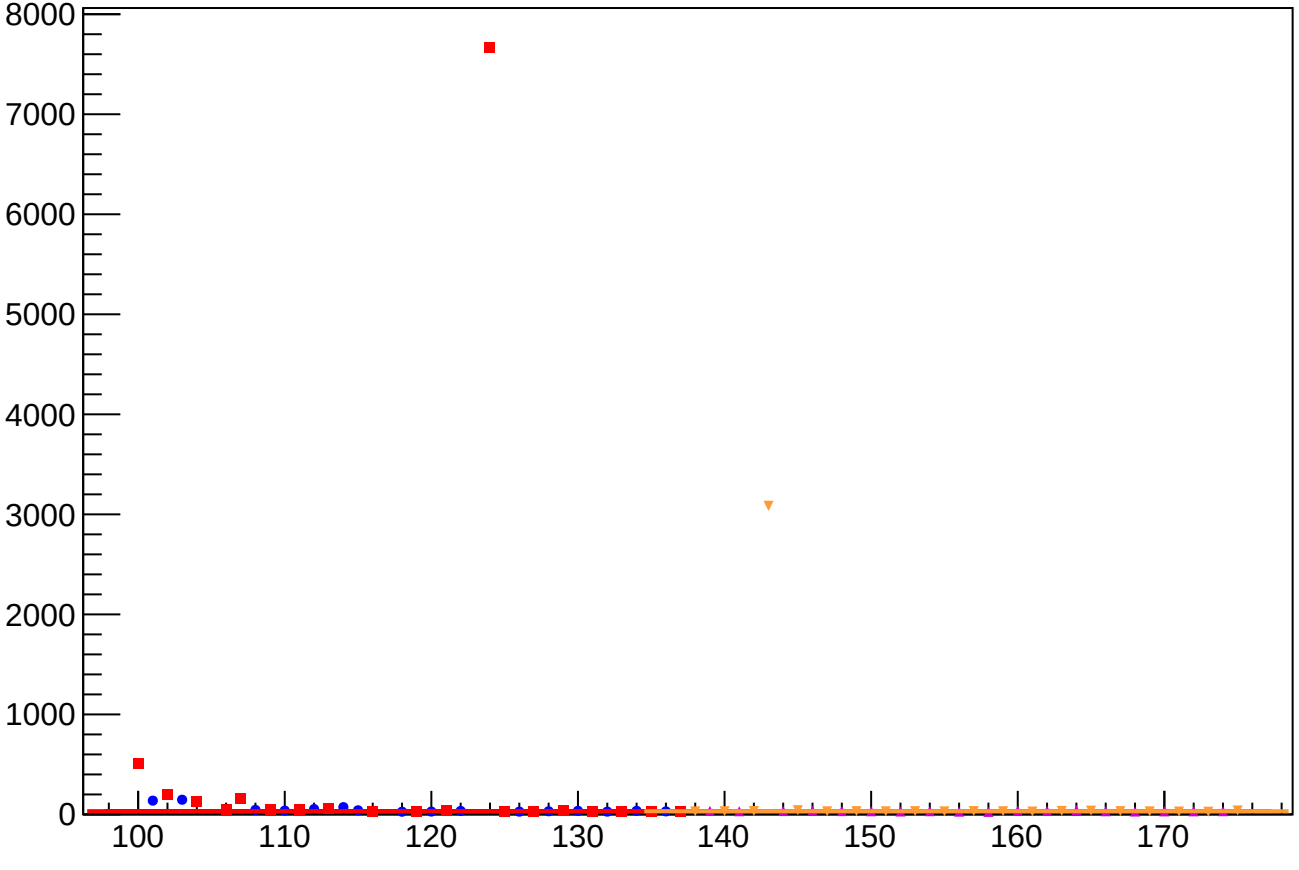
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.005+/-0.005 χ^2/NDF: 84.4/72

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870546.5/19

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

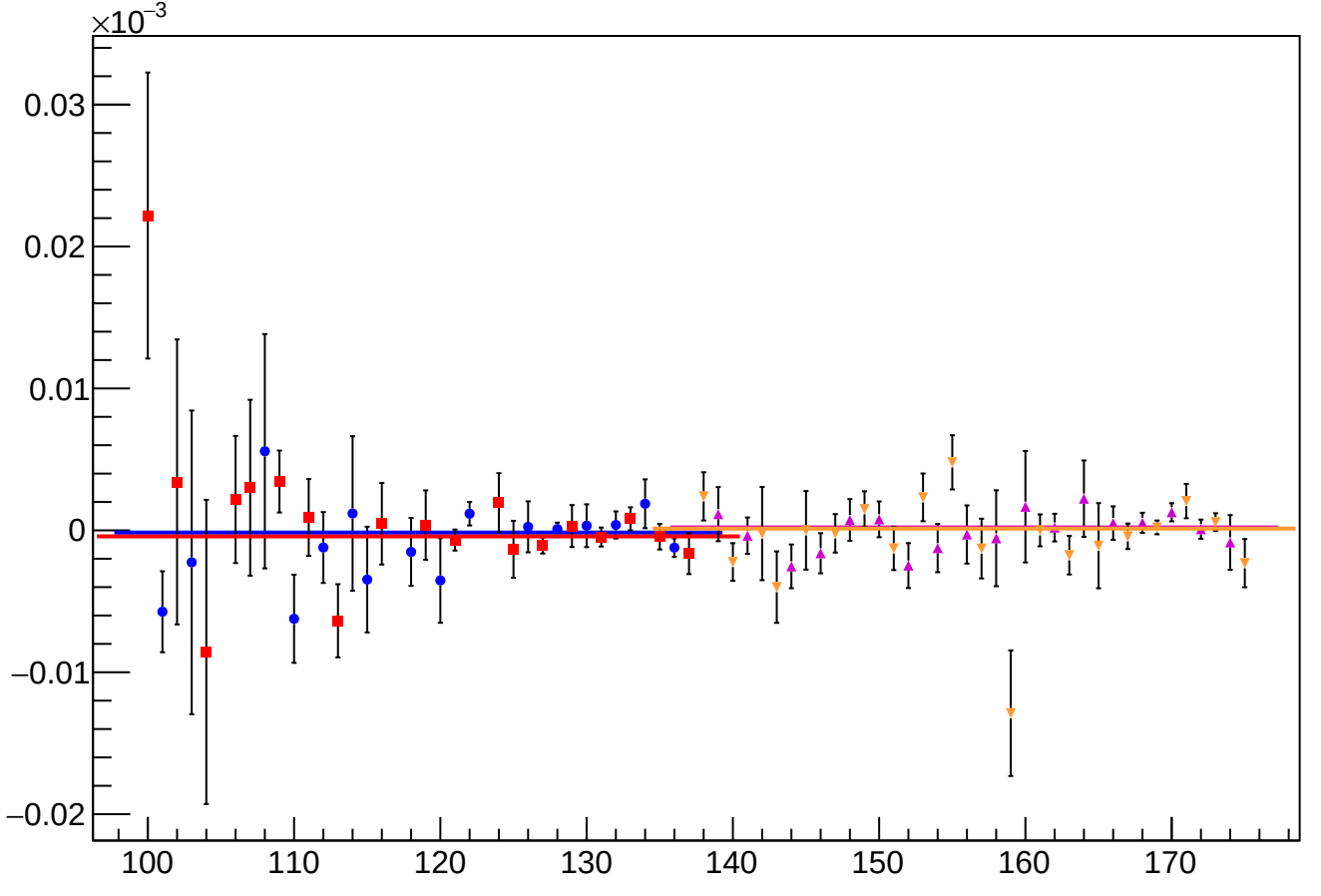
Left: 32.183+/-0.005 χ^2/NDF: 2139084.8/37

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.758+/-0.005 χ^2/NDF:2006826.4/33

Out: 32.366+/-0.005 χ^2/NDF:3952028.9/38

All: 32.561+/-0.004 χ^2/NDF: 5961435.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/17

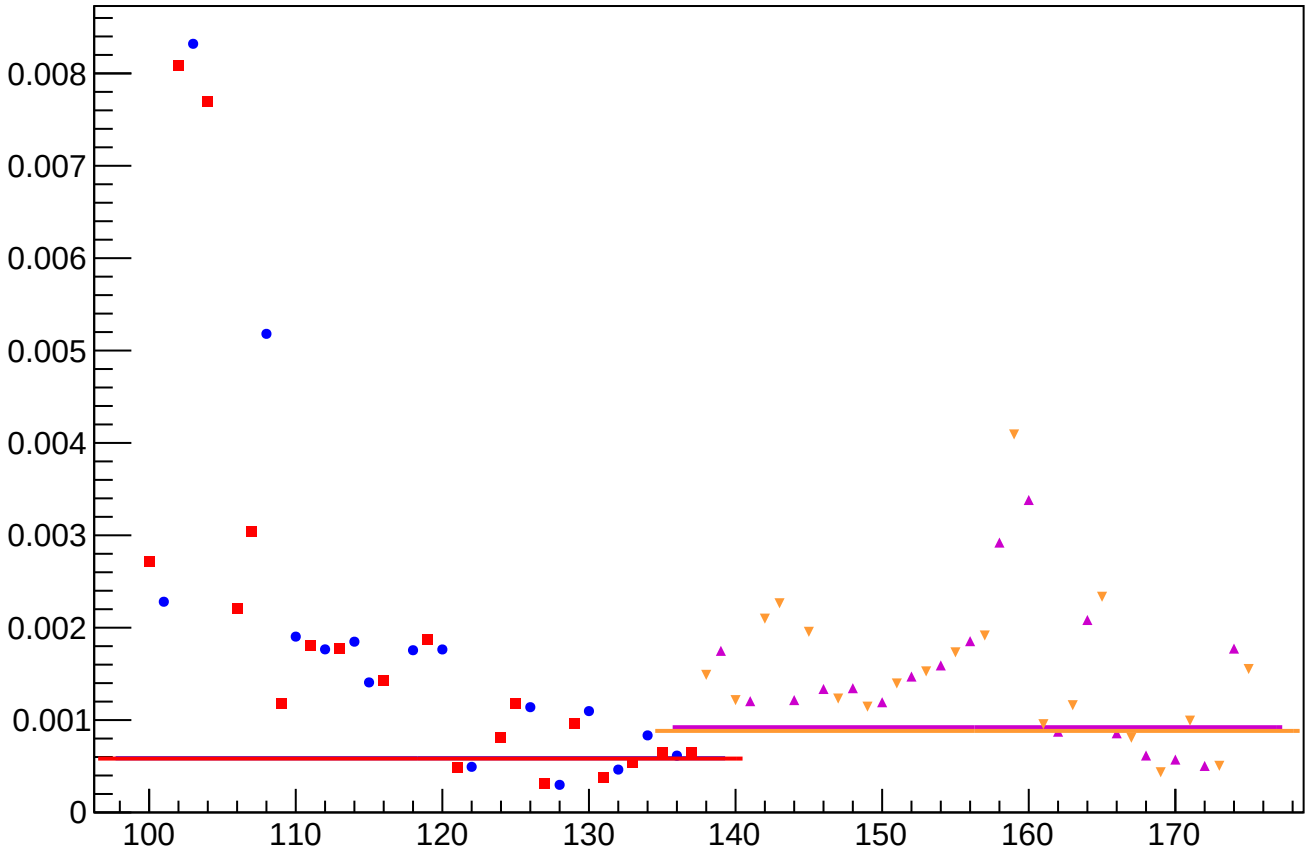
Left: 0.000+/-0.000 χ^2/NDF: 47.7/37

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.4/33

Out: -0.000+/-0.000 χ^2/NDF:57.8/38

All: -0.000+/-0.000 χ^2/NDF: 90.5/72



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7580446.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:5939679.8/17

Left: 0.001+/-0.000 χ^2/NDF: 13541880.8/37

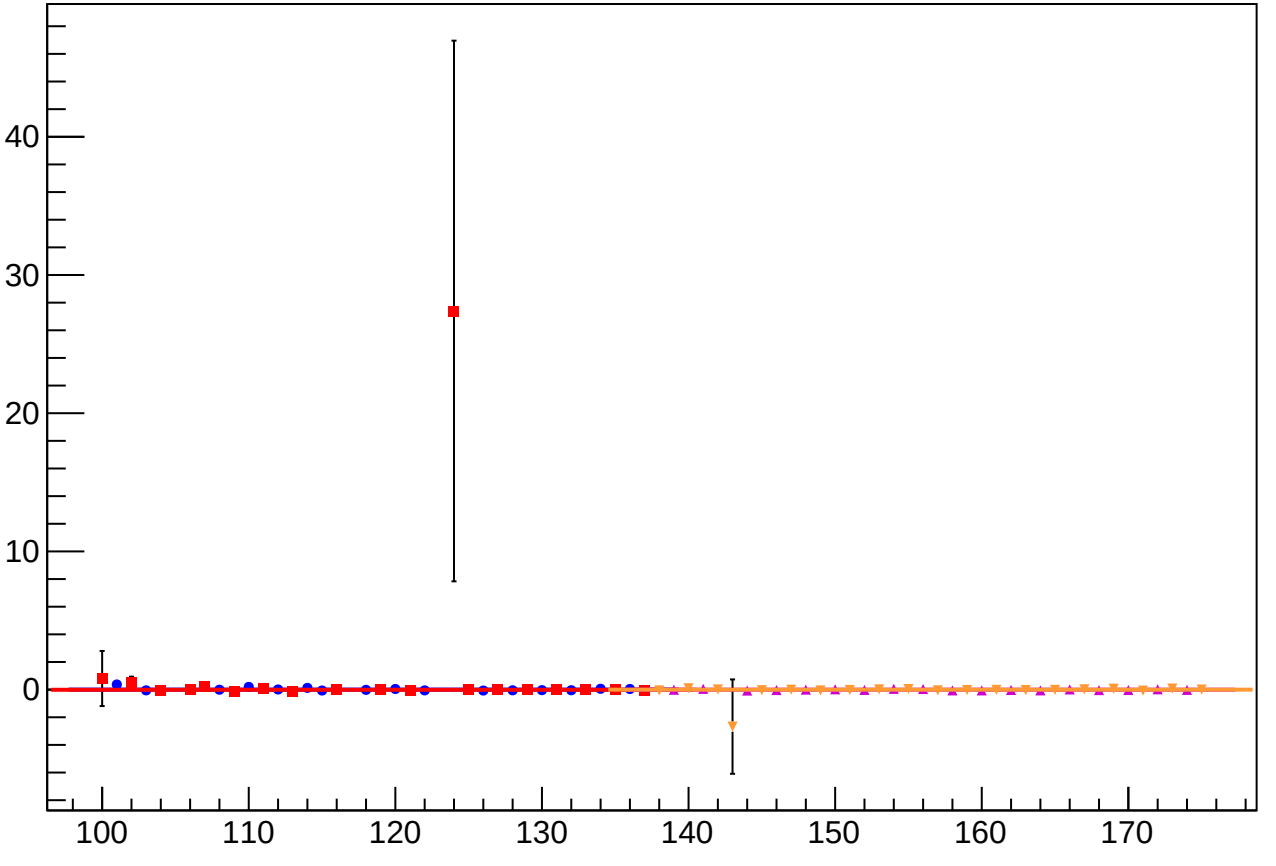
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:12803549.1/33

Out: 0.001+/-0.000 χ^2/NDF:14203855.5/38

All: 0.001+/-0.000 χ^2/NDF: 27016507.3/72

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

Left: -0.005+/-0.006 χ^2/NDF: 48.7/37

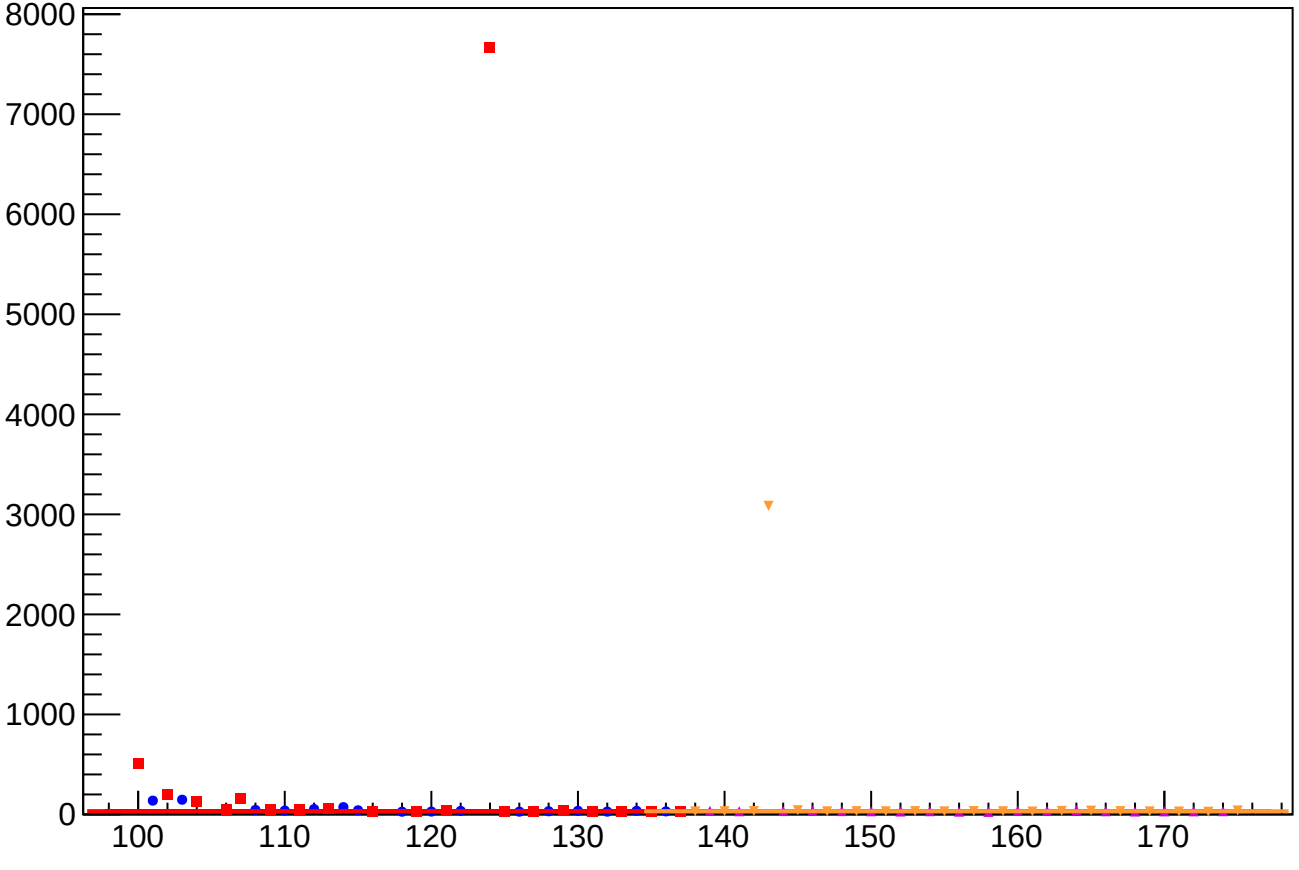
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.005+/-0.005 χ^2/NDF: 84.4/72

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870539.9/19

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

Left: 32.184+/-0.005 χ^2/NDF: 2139001.7/37

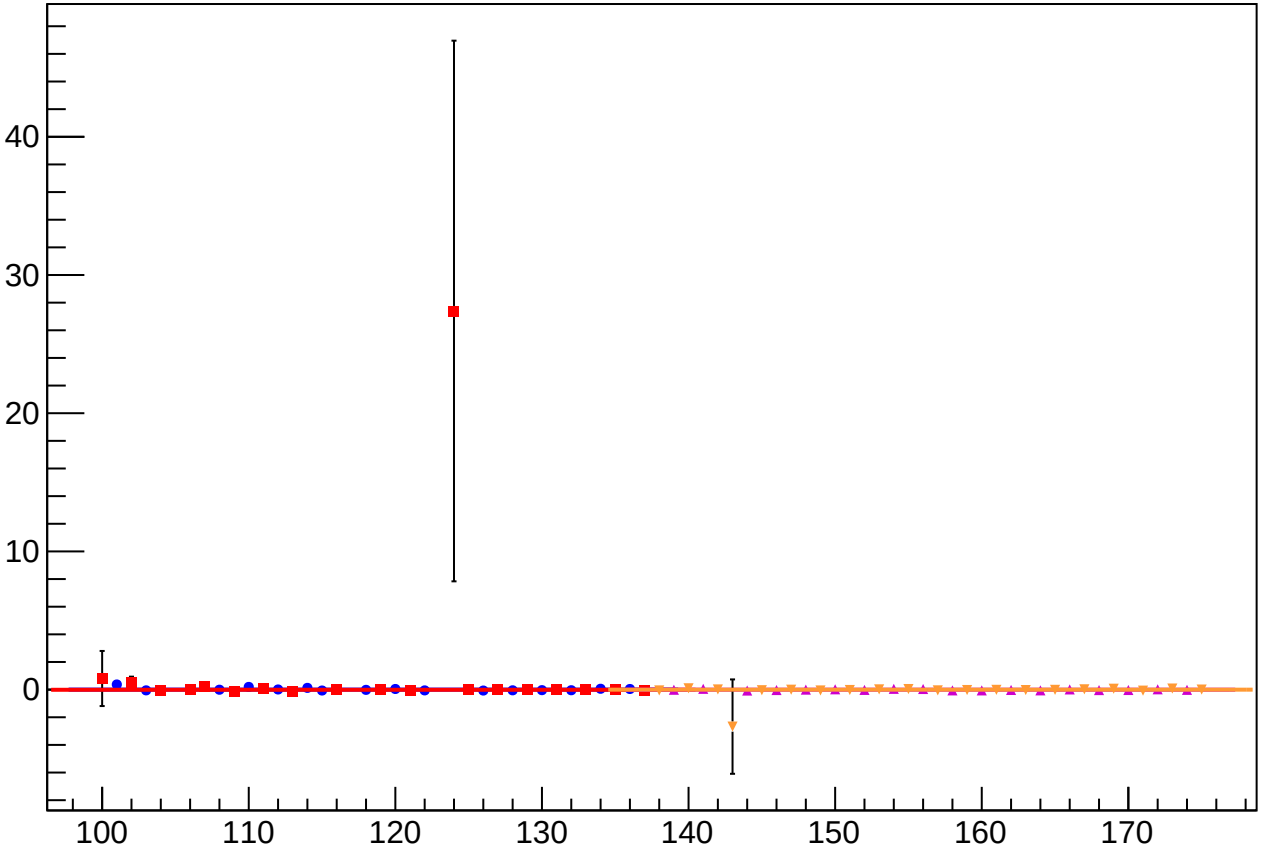
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.759+/-0.005 χ^2/NDF:2006732.7/33

Out: 32.366+/-0.005 χ^2/NDF:3952002.1/38

All: 32.561+/-0.004 χ^2/NDF: 5961317.2/72

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

Left: -0.005+/-0.006 χ^2/NDF: 48.7/37

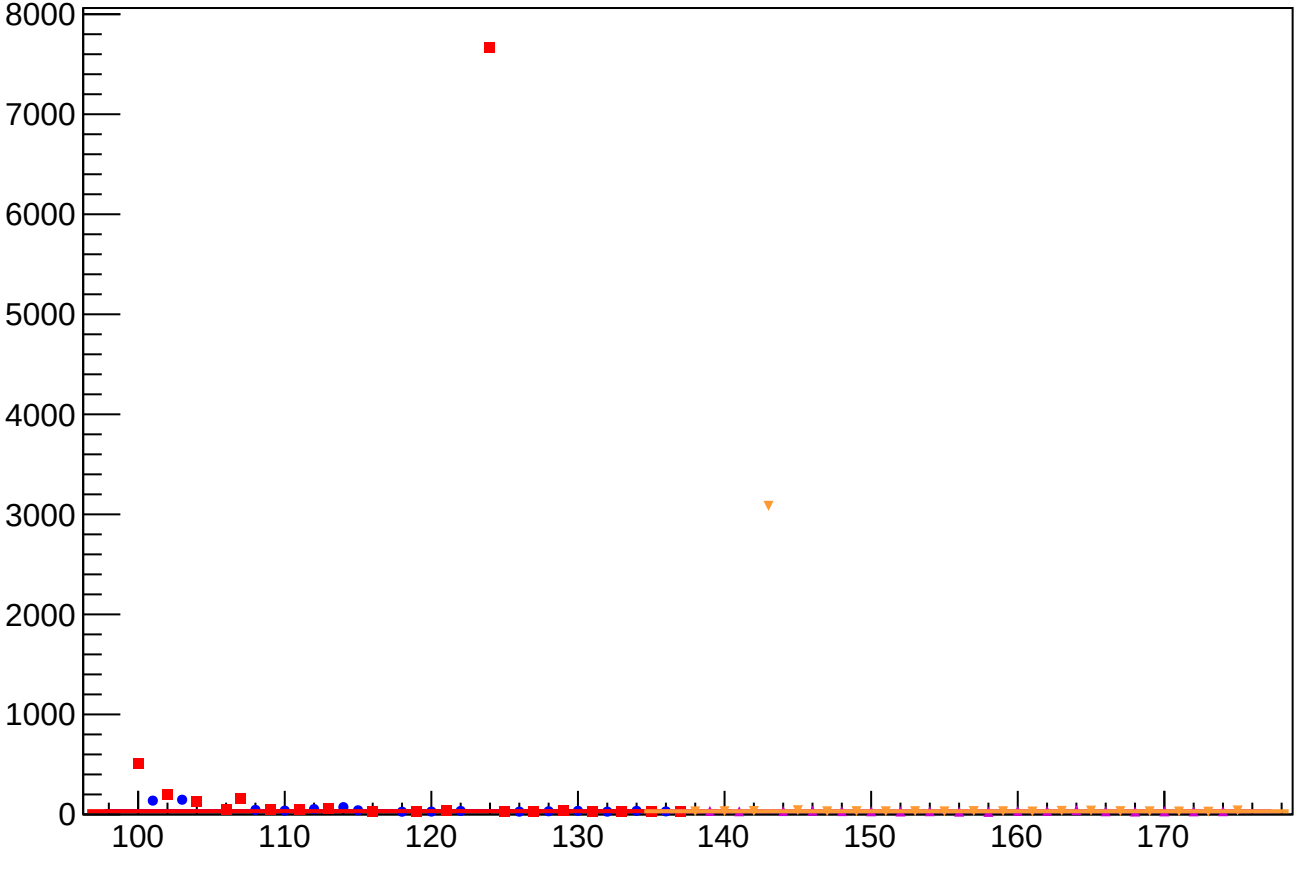
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.005+/-0.005 χ^2/NDF: 84.4/72

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870539.9/19

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

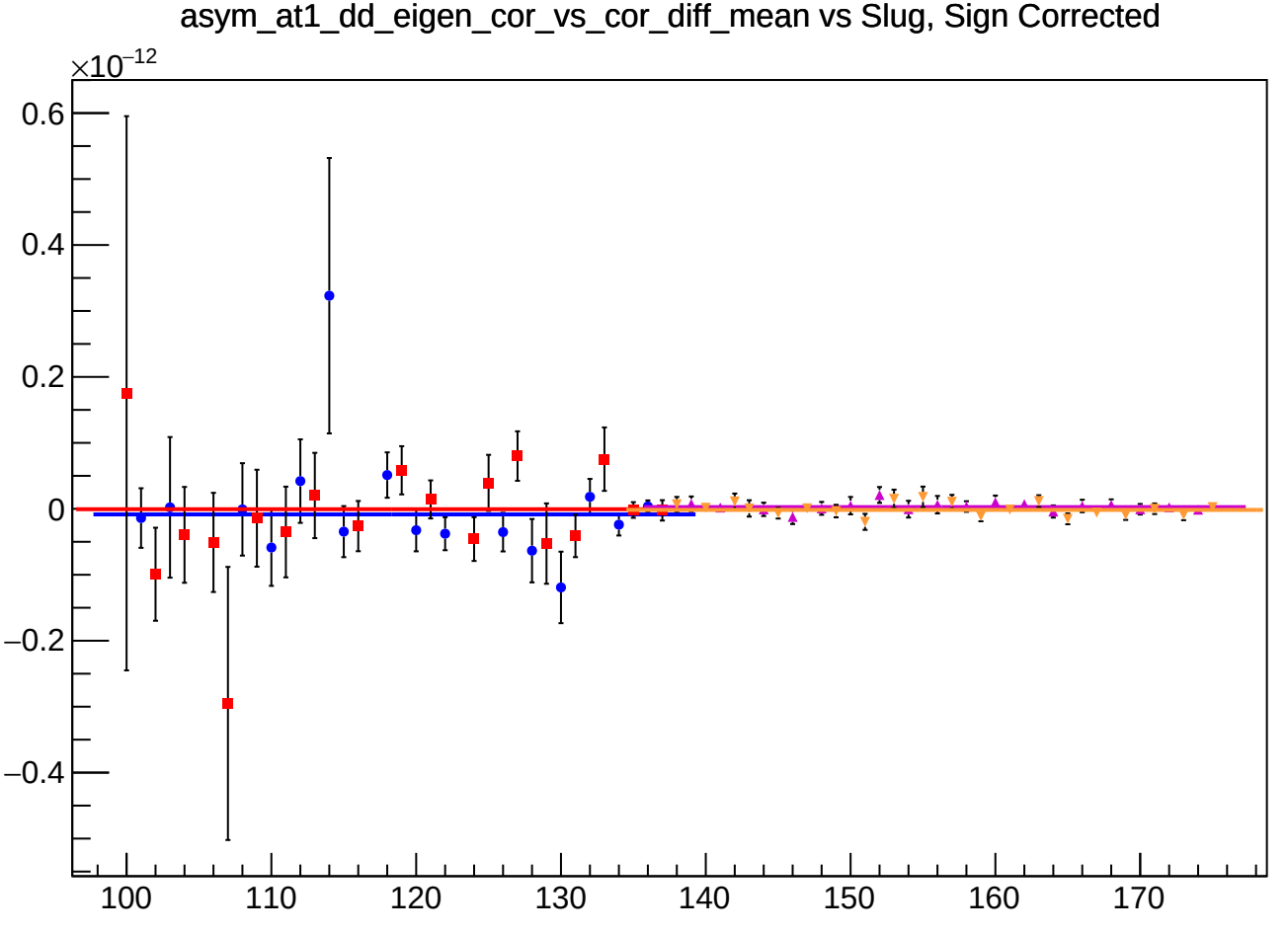
Left: 32.184+/-0.005 χ^2/NDF: 2139001.7/37

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.759+/-0.005 χ^2/NDF:2006732.7/33

Out: 32.366+/-0.005 χ^2/NDF:3952002.1/38

All: 32.561+/-0.004 χ^2/NDF: 5961317.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/17

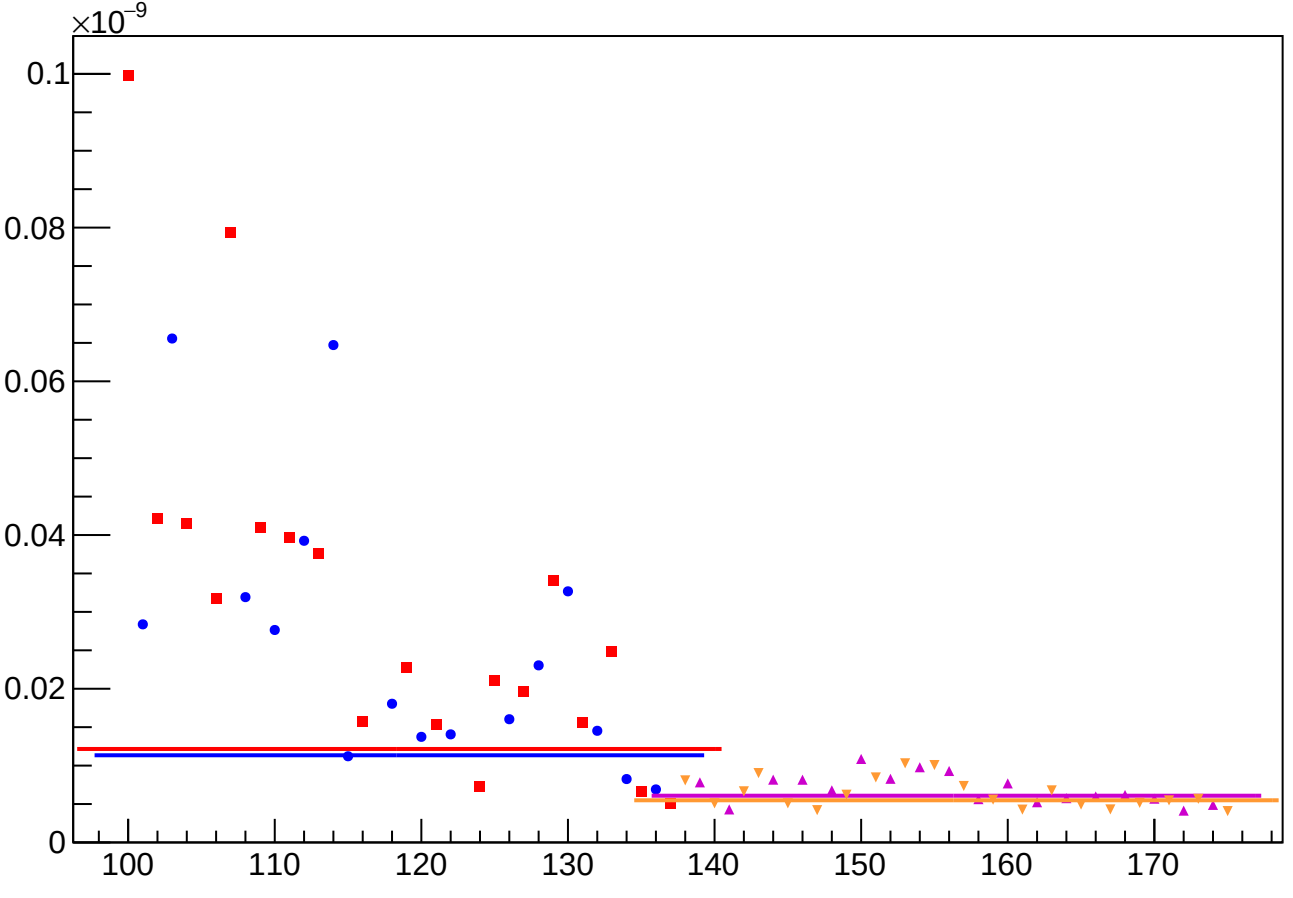
Left: 0.000+/-0.000 χ^2/NDF: 27.4/37

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.8/33

Out: -0.000+/-0.000 χ^2/NDF:39.0/38

All: -0.000+/-0.000 χ^2/NDF: 69.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1293959.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1355869.1/17

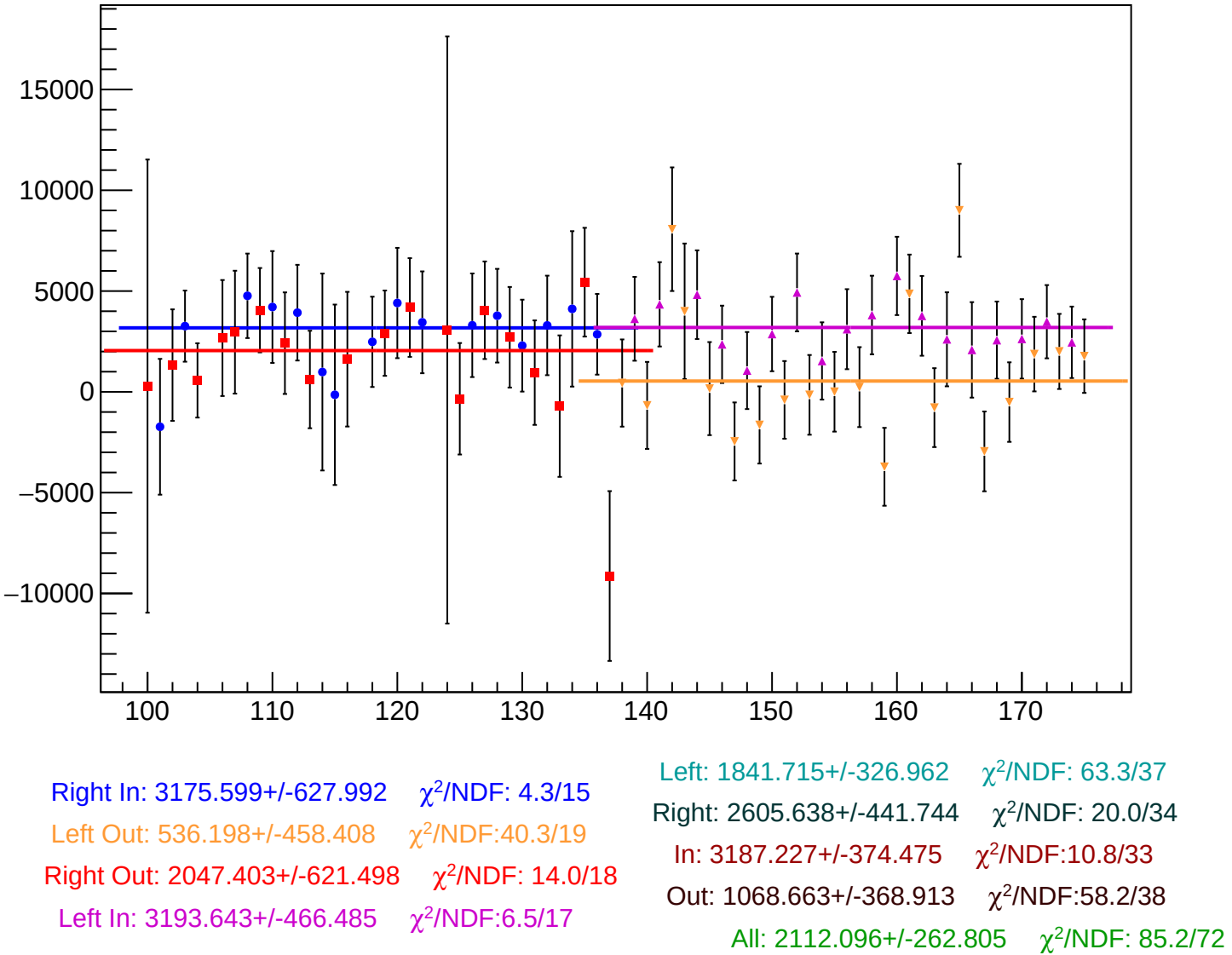
Left: 0.000+/-0.000 χ^2/NDF: 2741403.7/37

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

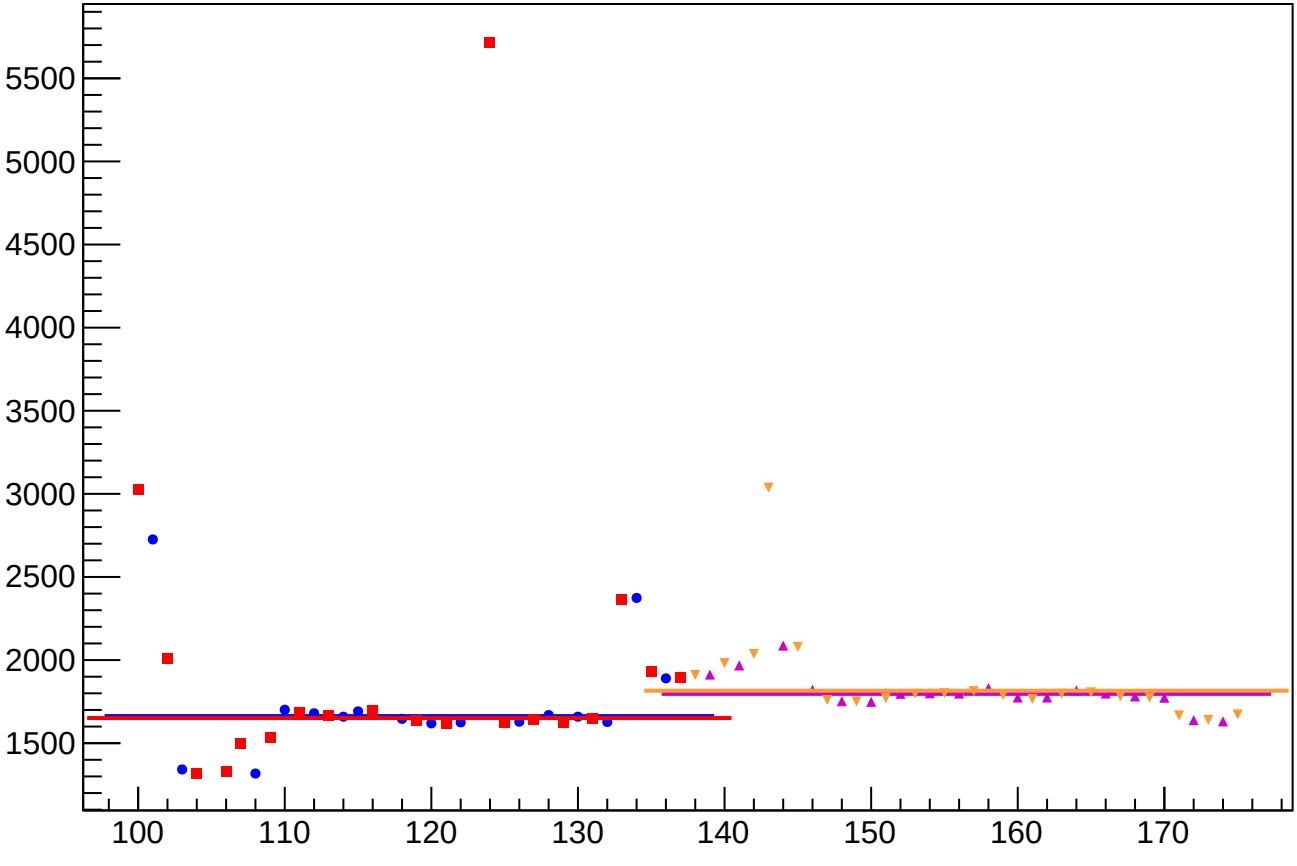
In: 0.000+/-0.000 χ^2/NDF:5393552.9/33

Out: 0.000+/-0.000 χ^2/NDF:6641996.7/38

All: 0.000+/-0.000 χ^2/NDF: 12165594.6/72


reg_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3175.599+/-627.992 χ²/NDF: 4.3/15
Left Out: 536.198+/-458.408 χ²/NDF:40.3/19
Right Out: 2047.403+/-621.498 χ²/NDF: 14.0/18
Left In: 3193.643+/-466.485 χ²/NDF:6.5/17
Left: 1841.715+/-326.962 χ²/NDF: 63.3/37
Right: 2605.638+/-441.744 χ²/NDF: 20.0/34
In: 3187.227+/-374.475 χ²/NDF:10.8/33
Out: 1068.663+/-368.913 χ²/NDF:58.2/38
All: 2112.096+/-262.805 χ²/NDF: 85.2/72

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

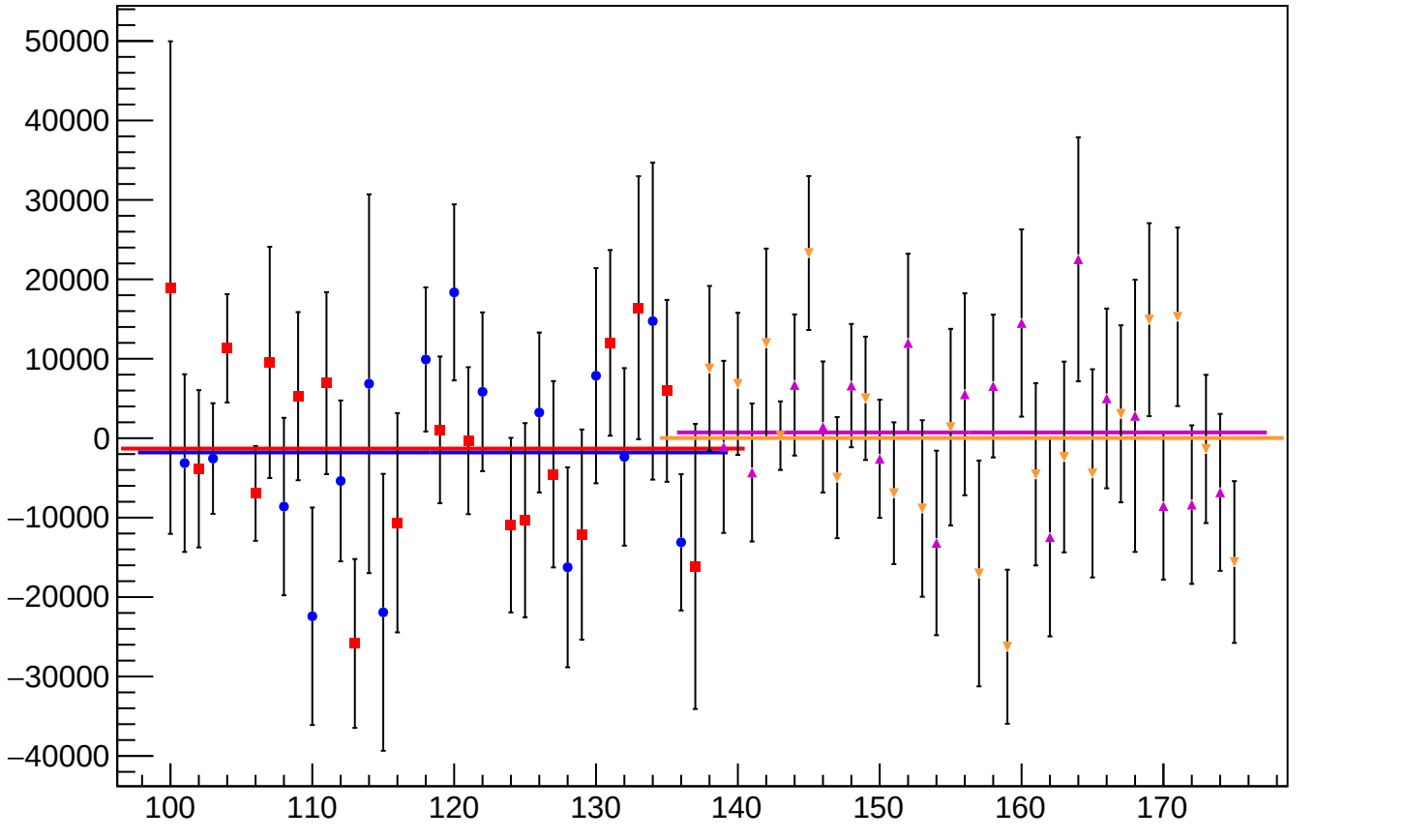
Left: 1806.325+/-0.231 χ^2/NDF: 460950.9/37

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1749.108+/-0.265 χ^2/NDF:565641.7/33

Out: 1757.745+/-0.261 χ^2/NDF:890255.5/38

All: 1753.491+/-0.186 χ^2/NDF: 1456437.2/72



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 25.376+/-2067.563 χ^2/NDF:25.1/19

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 726.278+/-2365.369 χ^2/NDF:11.7/17

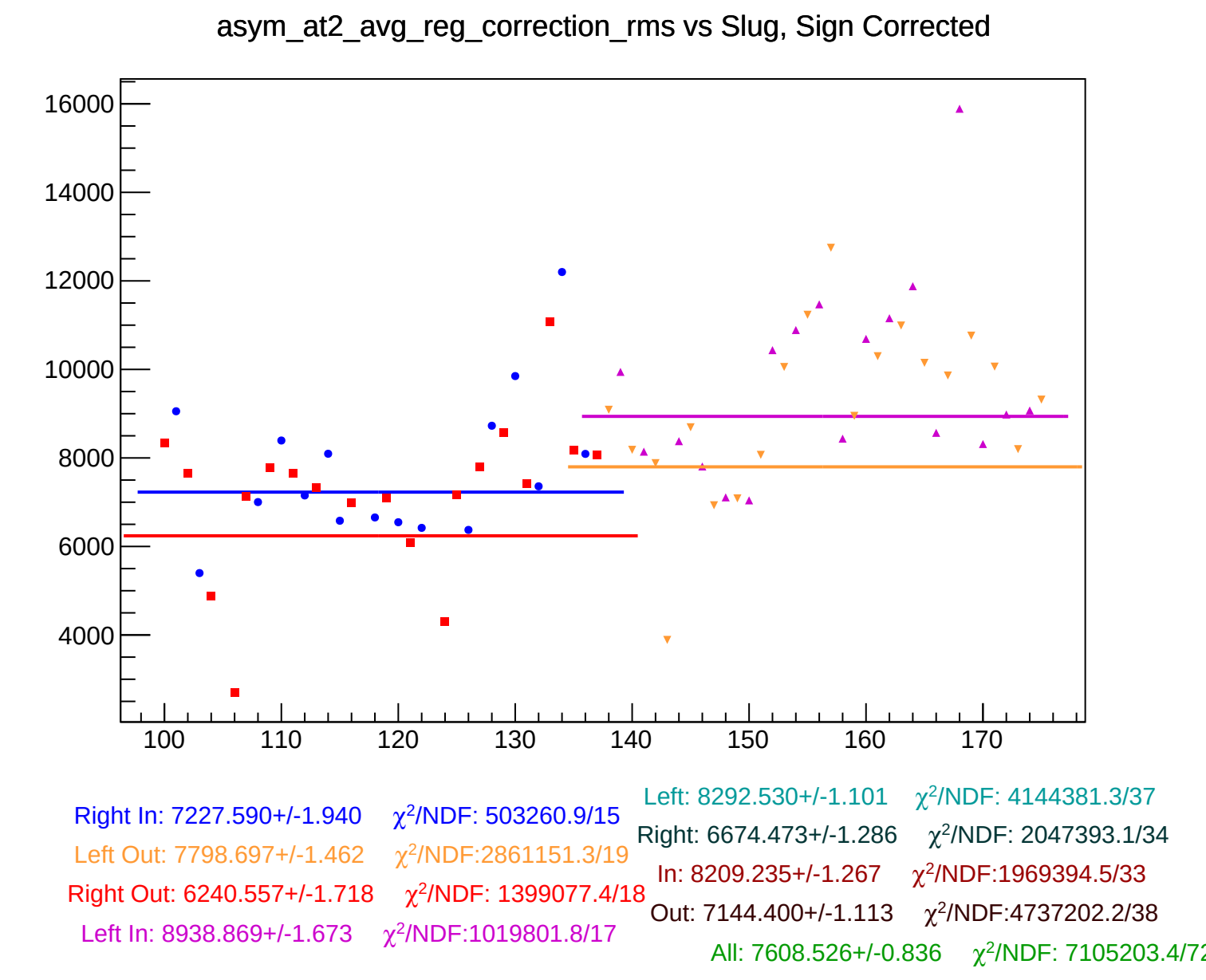
Left: 328.952+/-1556.696 χ^2/NDF: 36.8/37

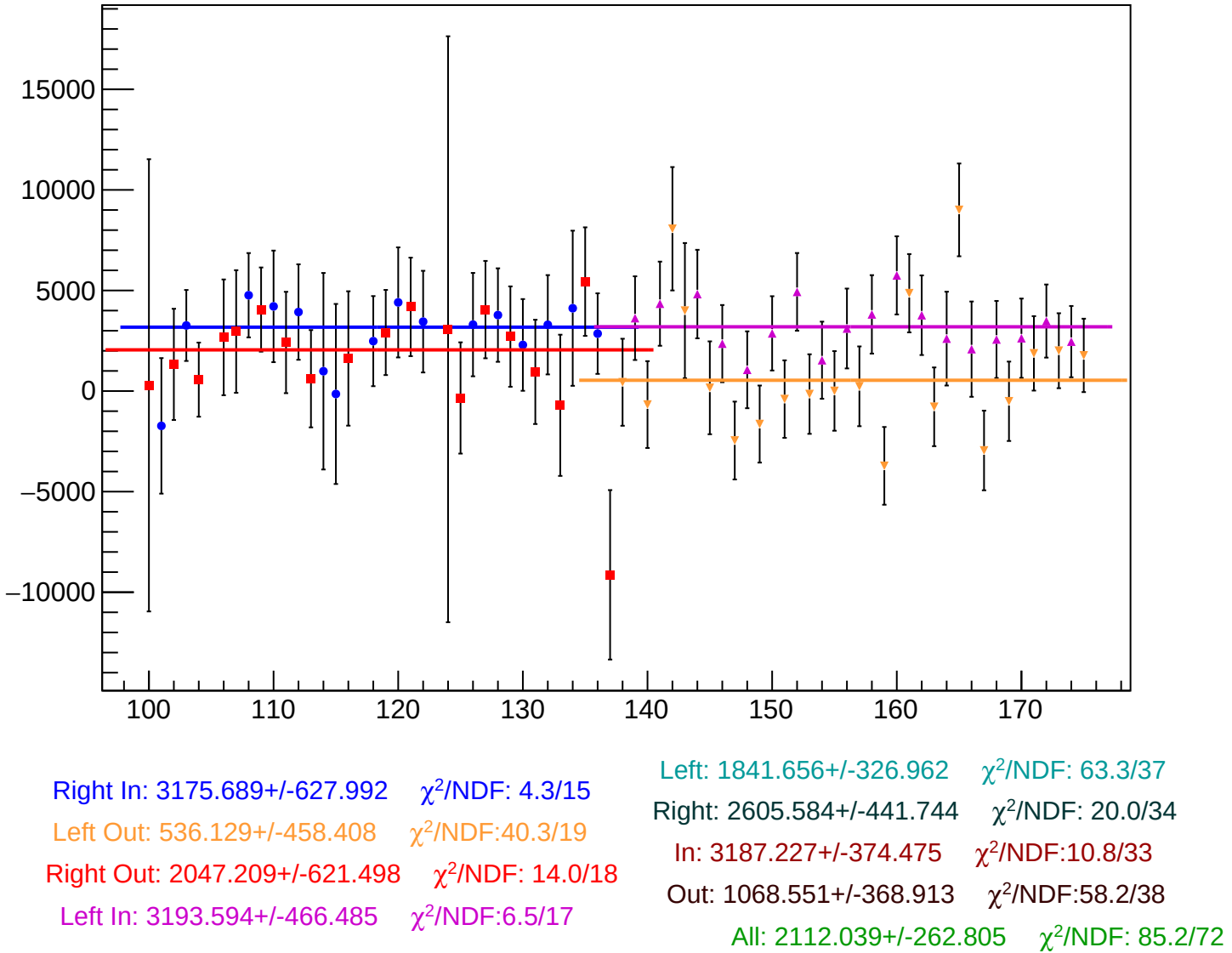
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -347.021+/-1791.496 χ^2/NDF:26.5/33

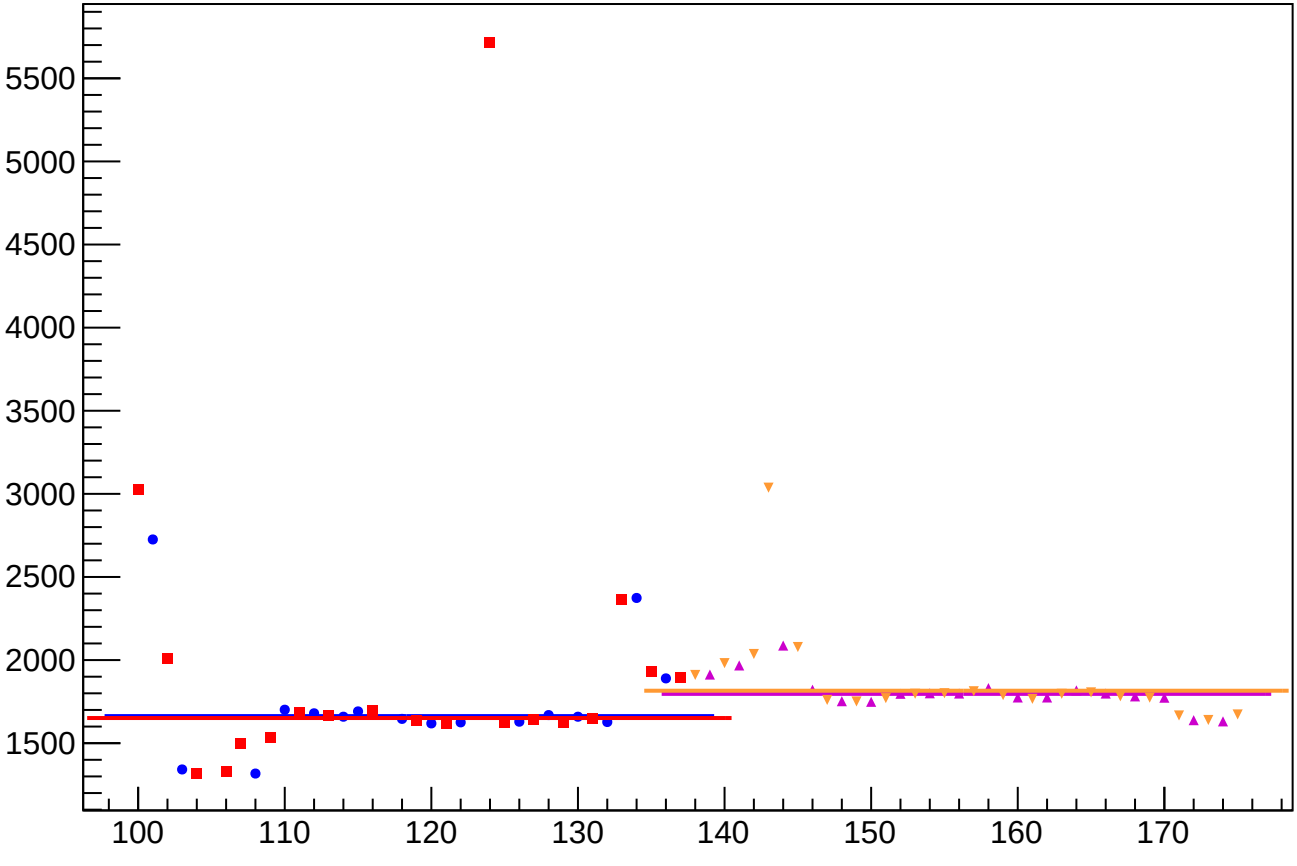
Out: -533.829+/-1574.715 χ^2/NDF:43.0/38

All: -452.405+/-1182.749 χ^2/NDF: 69.5/72


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7798.697+/-1.462 χ²/NDF:2861151.3/19
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8938.869+/-1.673 χ²/NDF:1019801.8/17
Left: 8292.530+/-1.101 χ²/NDF: 4144381.3/37
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8209.235+/-1.267 χ²/NDF:1969394.5/33
Out: 7144.400+/-1.113 χ²/NDF:4737202.2/38
All: 7608.526+/-0.836 χ²/NDF: 7105203.4/72


cor_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3175.689+/-627.992 χ²/NDF: 4.3/15
Left Out: 536.129+/-458.408 χ²/NDF:40.3/19
Right Out: 2047.209+/-621.498 χ²/NDF: 14.0/18
Left In: 3193.594+/-466.485 χ²/NDF:6.5/17
Left: 1841.656+/-326.962 χ²/NDF: 63.3/37
Right: 2605.584+/-441.744 χ²/NDF: 20.0/34
In: 3187.227+/-374.475 χ²/NDF:10.8/33
Out: 1068.551+/-368.913 χ²/NDF:58.2/38
All: 2112.039+/-262.805 χ²/NDF: 85.2/72

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

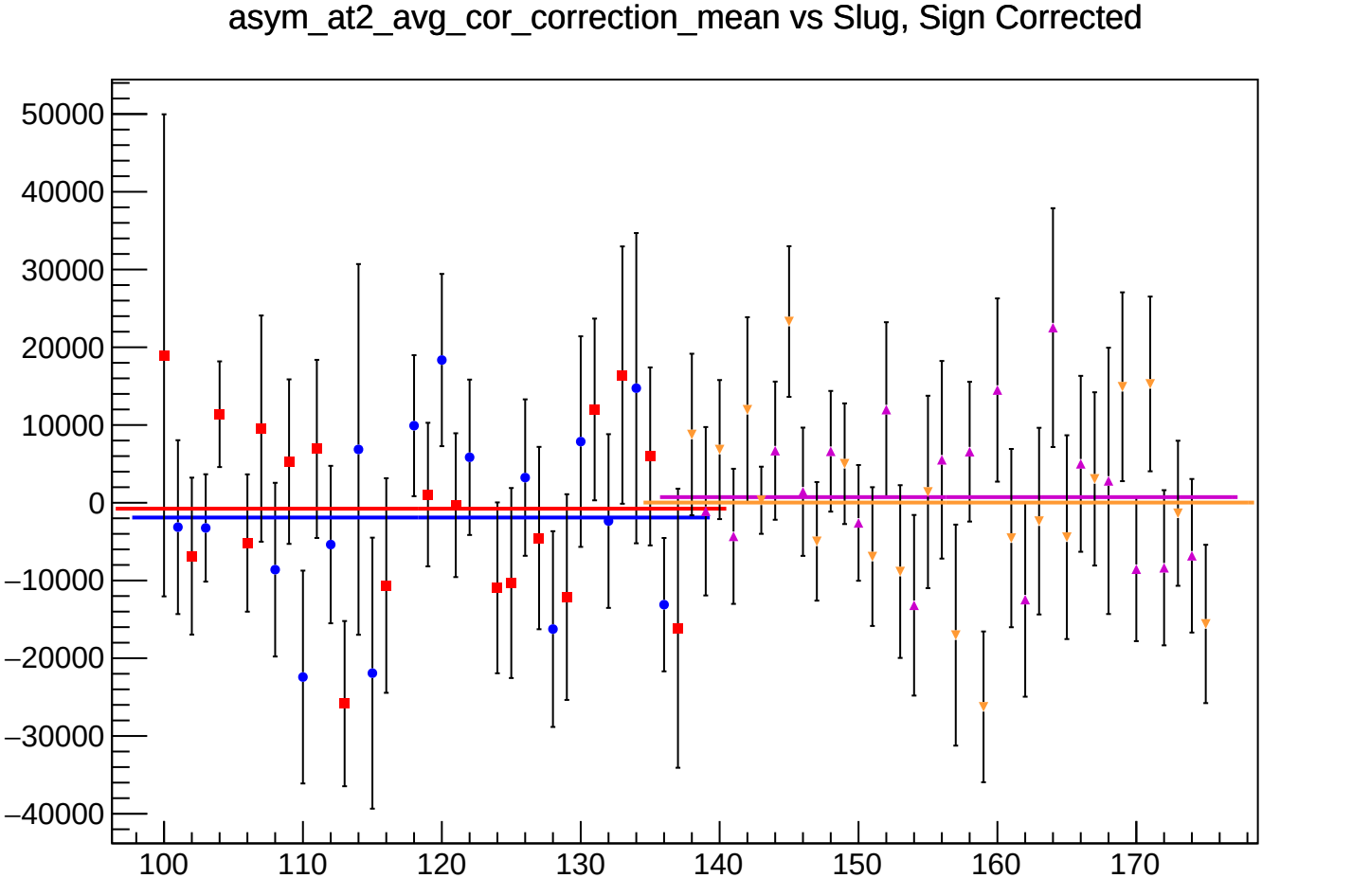
Left: 1806.325+/-0.231 χ^2/NDF: 460950.9/37

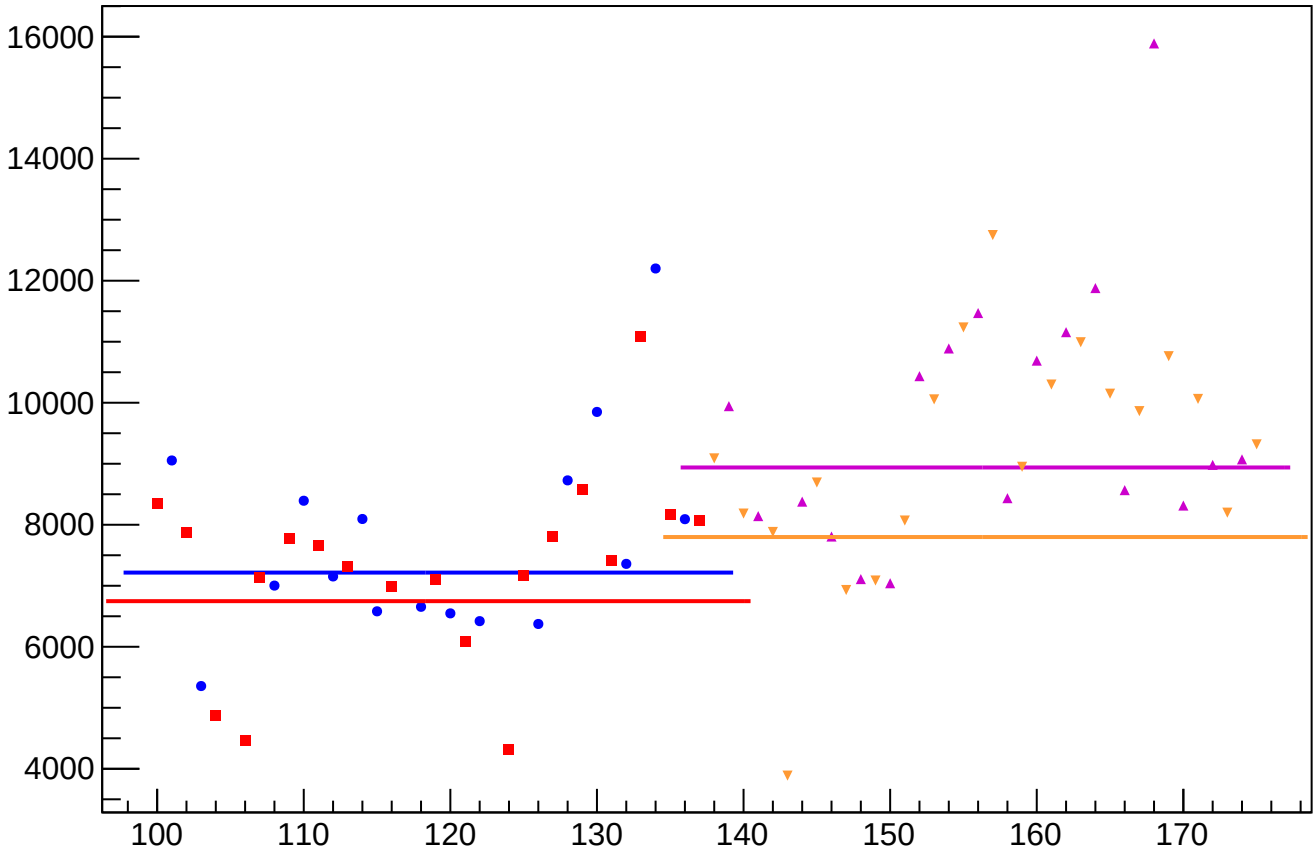
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1749.108+/-0.265 χ^2/NDF:565642.2/33

Out: 1757.745+/-0.261 χ^2/NDF:890255.8/38

All: 1753.491+/-0.186 χ^2/NDF: 1456438.0/72


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 25.306+/-2067.558 χ²/NDF:25.1/19
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 726.341+/-2365.368 χ²/NDF:11.7/17
Left: 328.939+/-1556.693 χ²/NDF: 36.8/37
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -395.216+/-1790.474 χ²/NDF:26.6/33
Out: -287.189+/-1605.976 χ²/NDF:42.4/38
All: -335.352+/-1195.521 χ²/NDF: 69.0/72



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

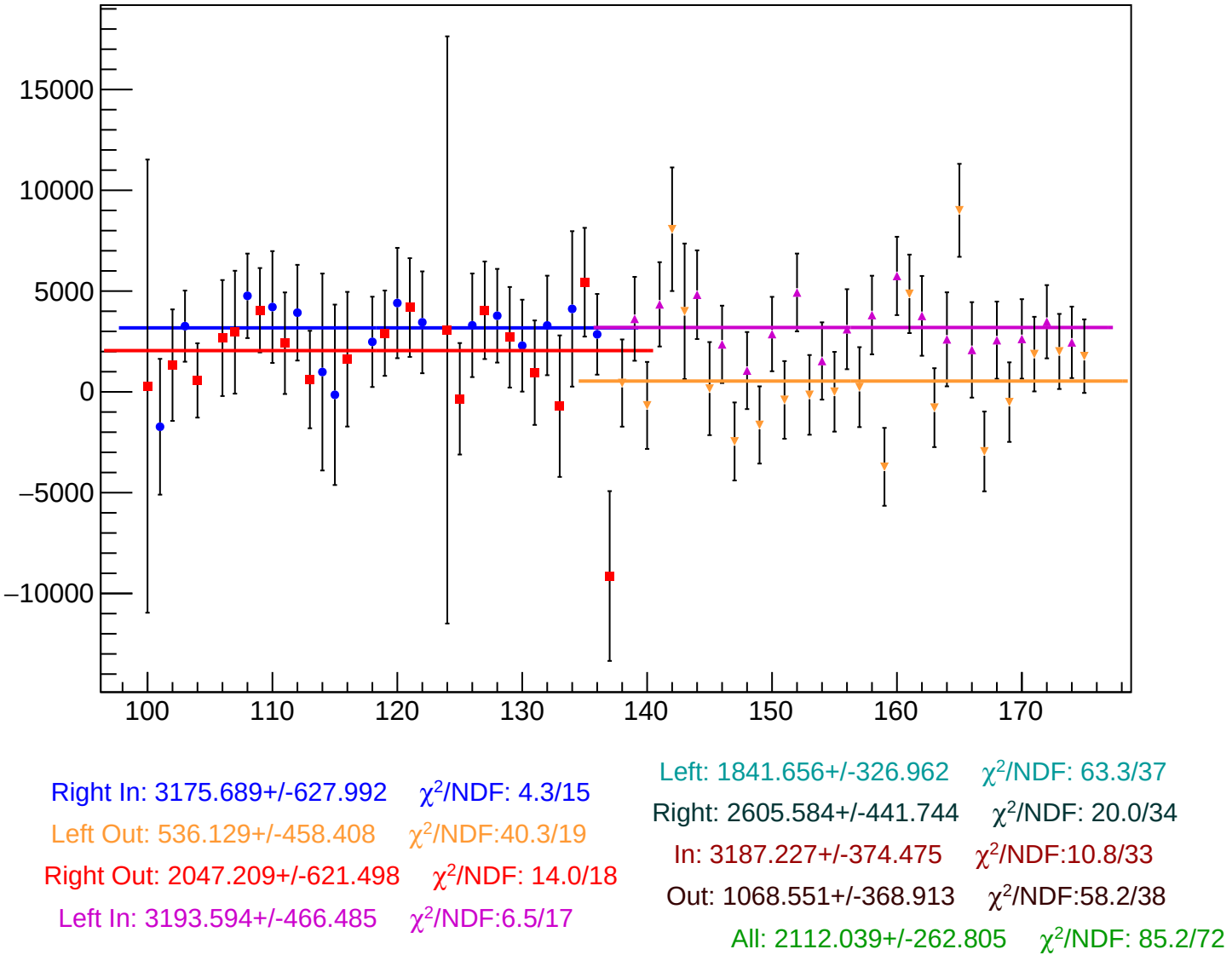
Left: 8292.509+/-1.101 χ^2/NDF: 4144466.0/37

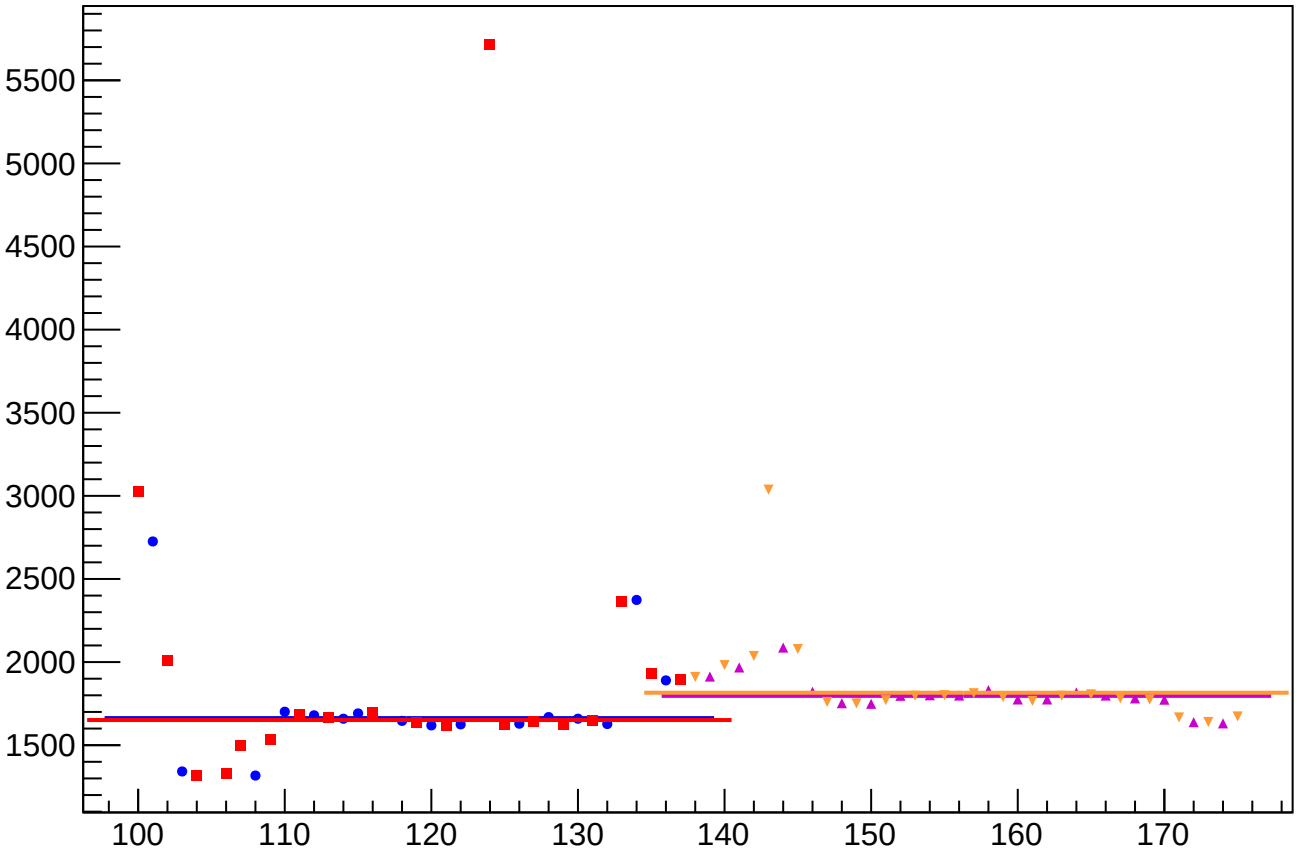
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8203.177+/-1.266 χ^2/NDF:1985007.1/33

Out: 7381.806+/-1.136 χ^2/NDF:3774976.6/38

All: 7748.005+/-0.845 χ^2/NDF: 5993226.6/72


eigen_cor_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3175.689+/-627.992 χ²/NDF: 4.3/15
Left Out: 536.129+/-458.408 χ²/NDF:40.3/19
Right Out: 2047.209+/-621.498 χ²/NDF: 14.0/18
Left In: 3193.594+/-466.485 χ²/NDF:6.5/17
Left: 1841.656+/-326.962 χ²/NDF: 63.3/37
Right: 2605.584+/-441.744 χ²/NDF: 20.0/34
In: 3187.227+/-374.475 χ²/NDF:10.8/33
Out: 1068.551+/-368.913 χ²/NDF:58.2/38
All: 2112.039+/-262.805 χ²/NDF: 85.2/72



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

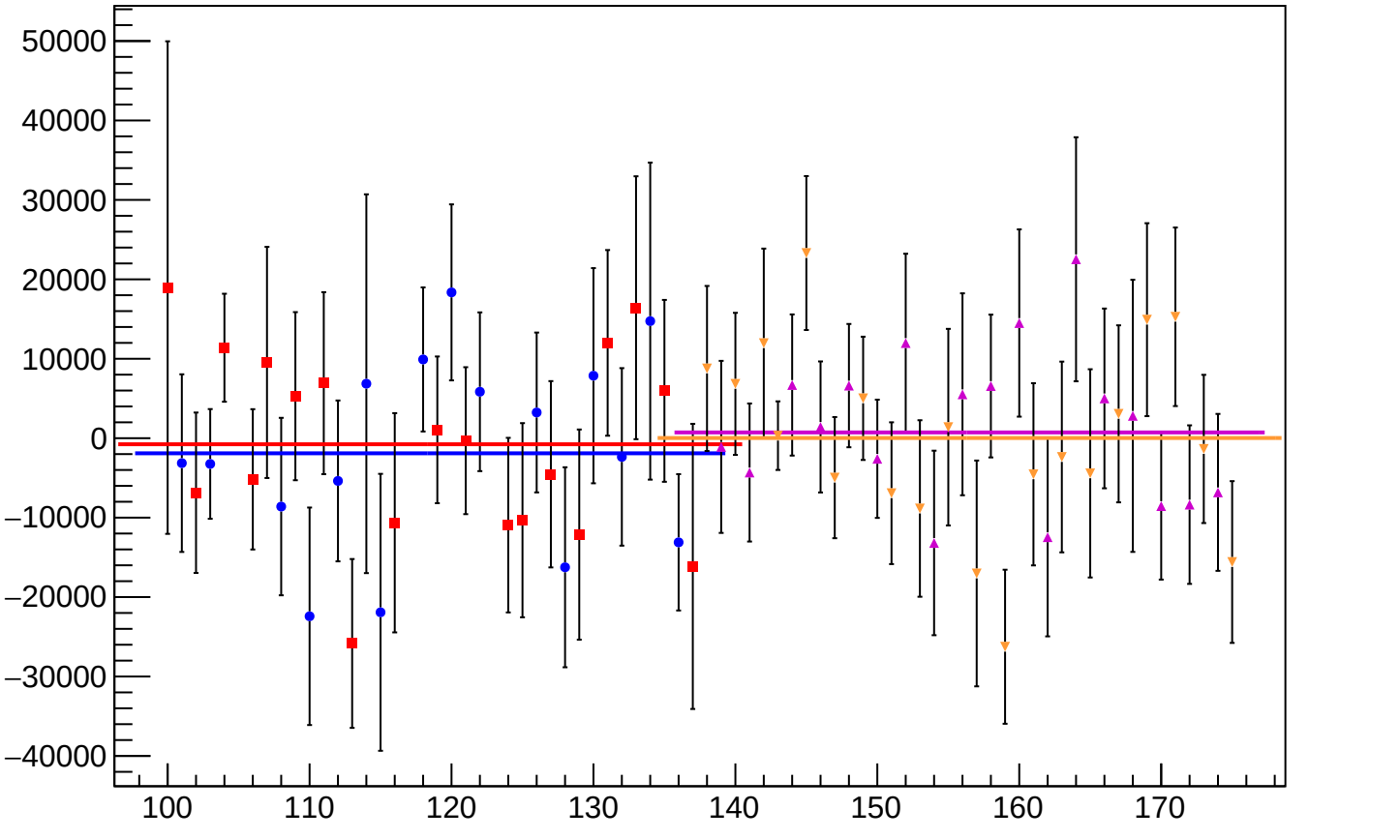
Left: 1806.325+/-0.231 χ^2/NDF: 460950.9/37

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1749.108+/-0.265 χ^2/NDF:565642.2/33

Out: 1757.745+/-0.261 χ^2/NDF:890255.8/38

All: 1753.491+/-0.186 χ^2/NDF: 1456438.0/72



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 25.306+/-2067.558 χ^2/NDF:25.1/19

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 726.341+/-2365.368 χ^2/NDF:11.7/17

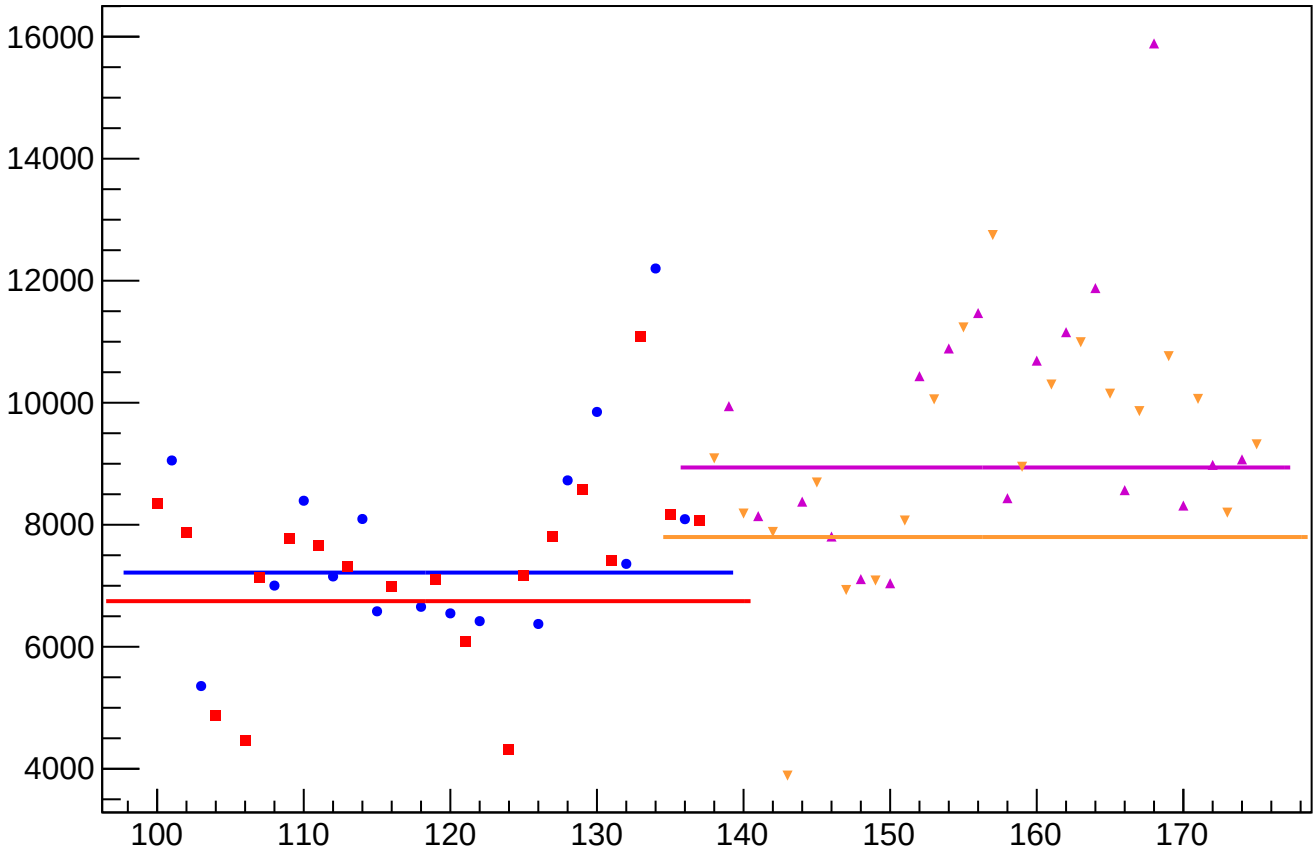
Left: 328.939+/-1556.693 χ^2/NDF: 36.8/37

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -395.216+/-1790.474 χ^2/NDF:26.6/33

Out: -287.189+/-1605.976 χ^2/NDF:42.4/38

All: -335.352+/-1195.521 χ^2/NDF: 69.0/72



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

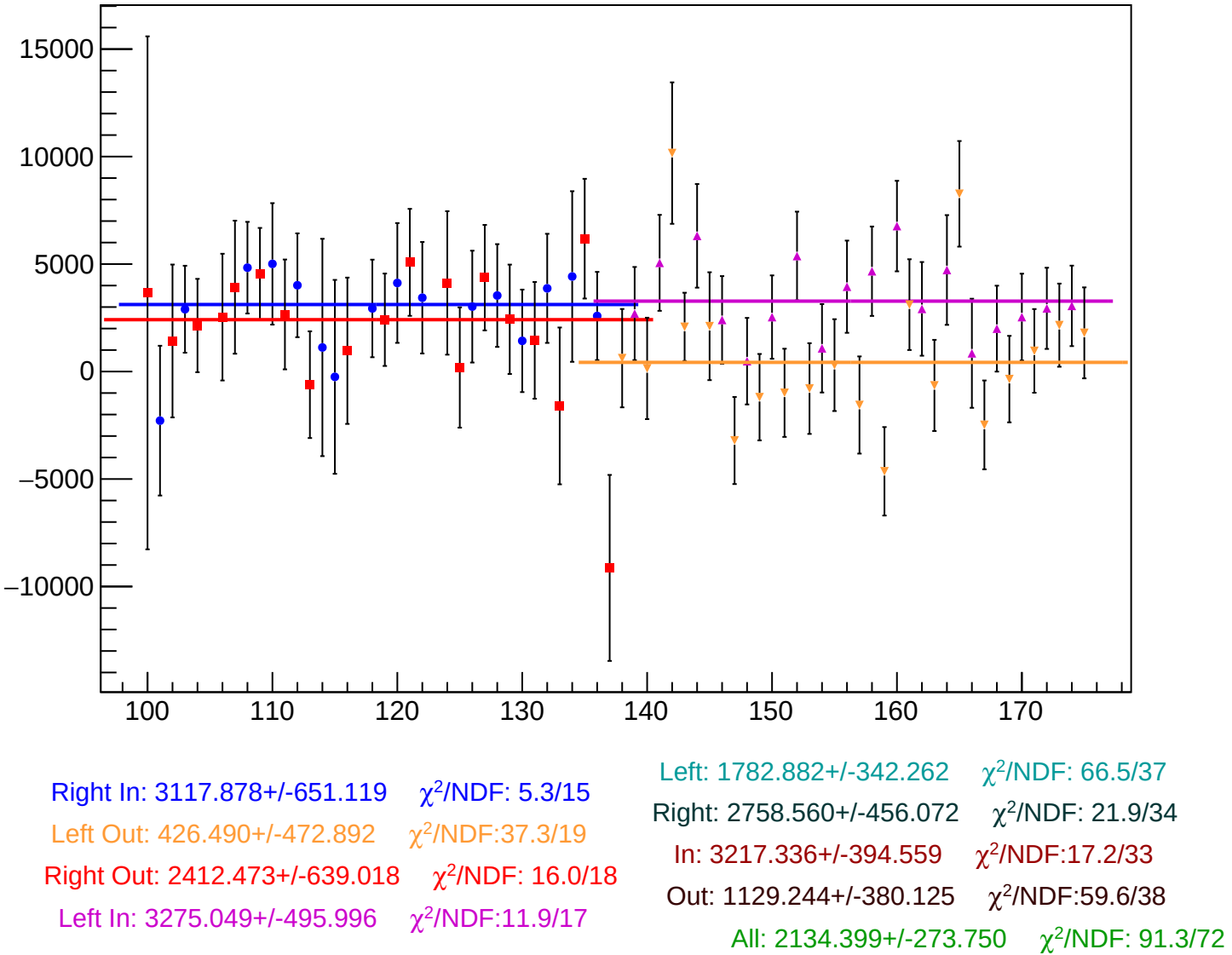
Left: 8292.509+/-1.101 χ^2/NDF: 4144466.0/37

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

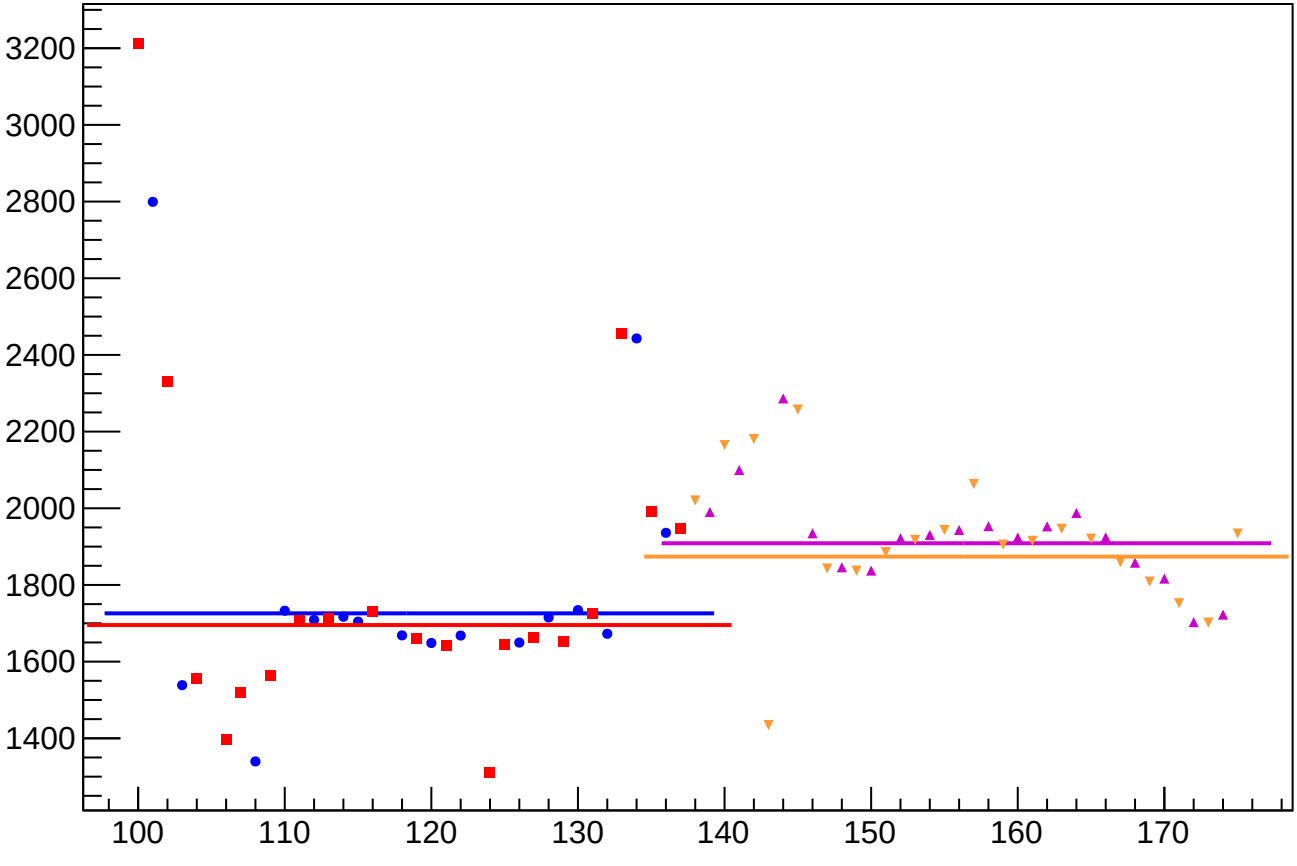
In: 8203.177+/-1.266 χ^2/NDF:1985007.1/33

Out: 7381.806+/-1.136 χ^2/NDF:3774976.6/38

All: 7748.005+/-0.845 χ^2/NDF: 5993226.6/72


dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3117.878+/-651.119 χ²/NDF: 5.3/15
Left Out: 426.490+/-472.892 χ²/NDF:37.3/19
Right Out: 2412.473+/-639.018 χ²/NDF: 16.0/18
Left In: 3275.049+/-495.996 χ²/NDF:11.9/17
Left: 1782.882+/-342.262 χ²/NDF: 66.5/37
Right: 2758.560+/-456.072 χ²/NDF: 21.9/34
In: 3217.336+/-394.559 χ²/NDF:17.2/33
Out: 1129.244+/-380.125 χ²/NDF:59.6/38
All: 2134.399+/-273.750 χ²/NDF: 91.3/72

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1873.915+/-0.334 χ^2/NDF:305842.3/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1908.722+/-0.351 χ^2/NDF:125215.6/17

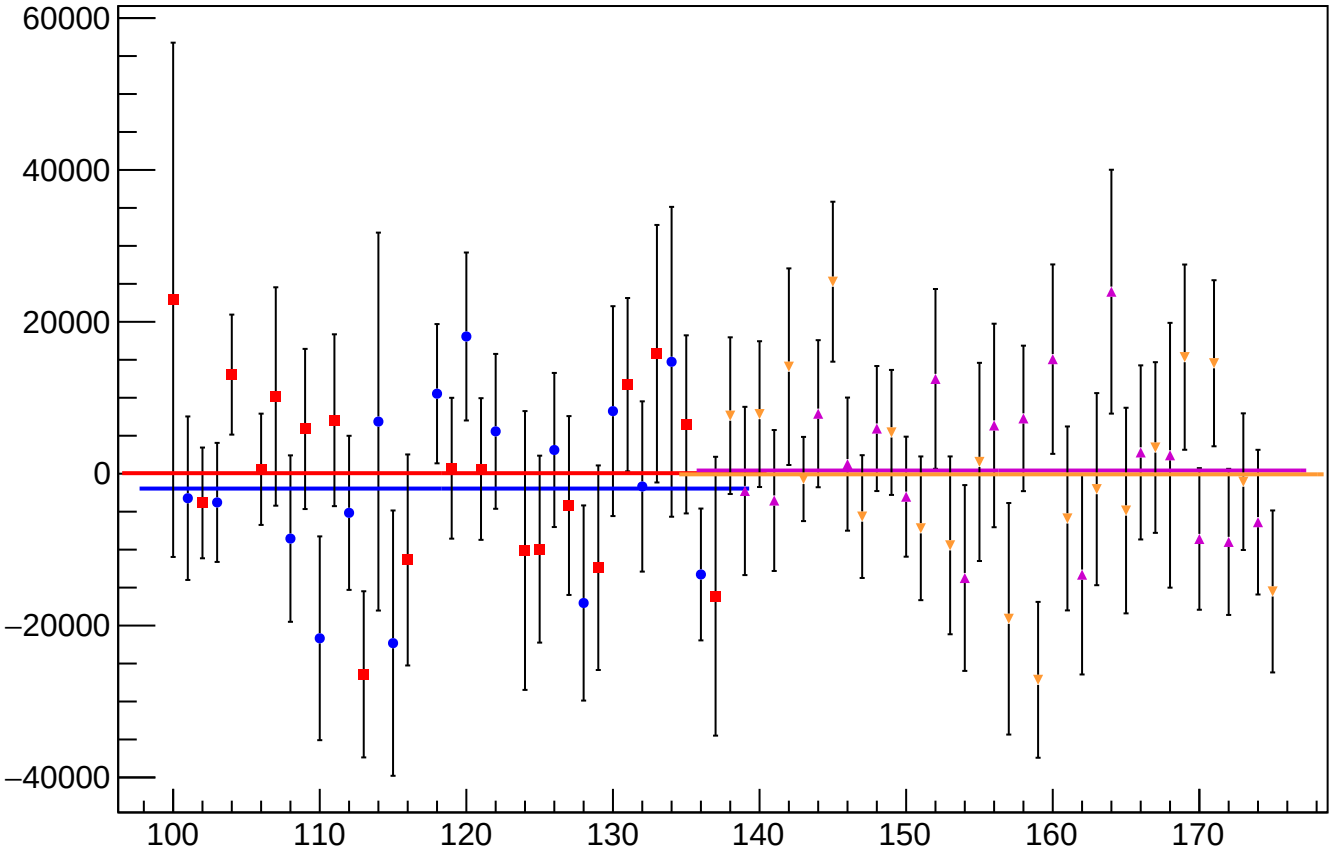
Left: 1890.489+/-0.242 χ^2/NDF: 436217.5/37

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1841.594+/-0.279 χ^2/NDF:590620.8/33

Out: 1810.711+/-0.269 χ^2/NDF:692378.5/38

All: 1825.575+/-0.194 χ^2/NDF: 1289354.6/72



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -82.951+/-2243.853 χ^2/NDF:24.9/19

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 416.002+/-2463.373 χ^2/NDF:11.6/17

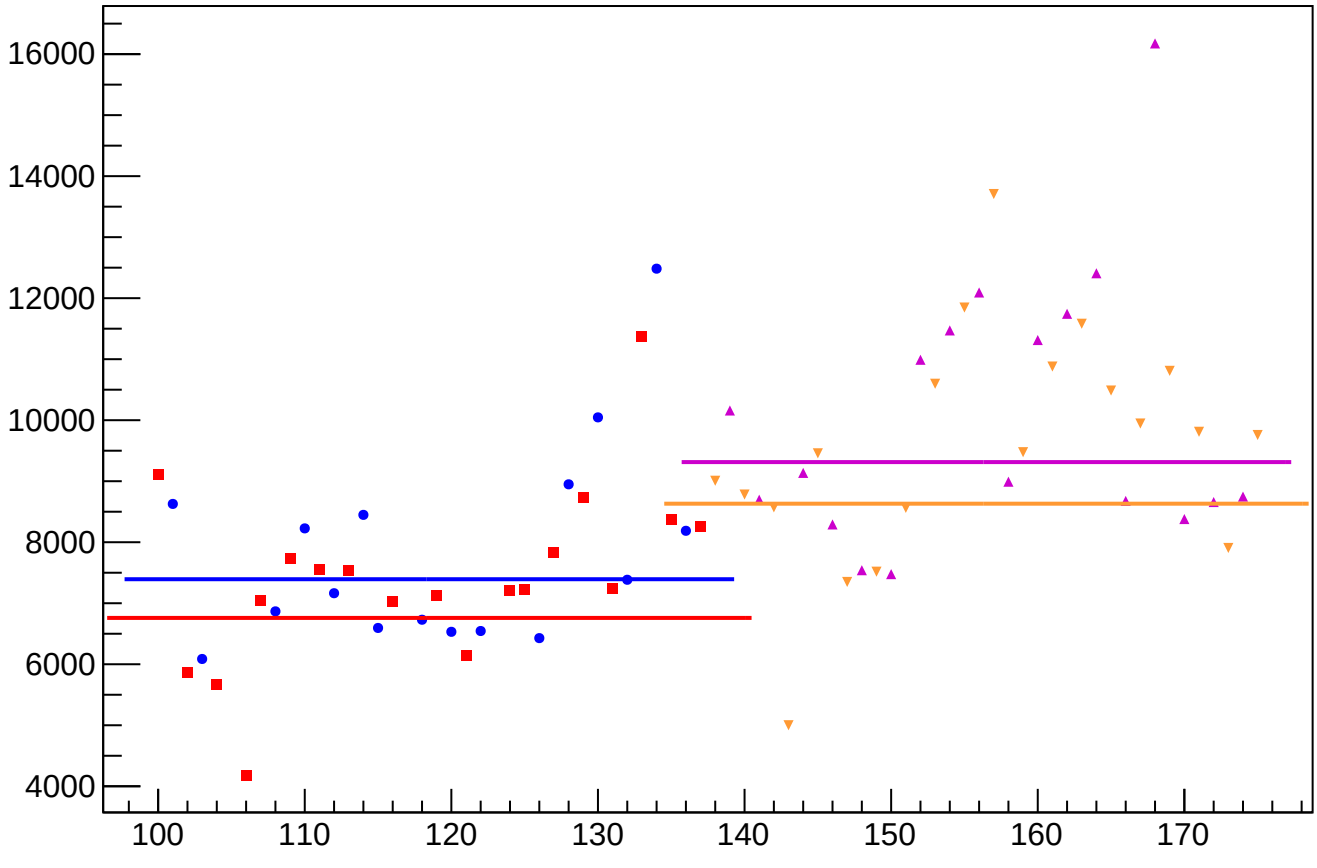
Left: 143.307+/-1658.833 χ^2/NDF: 36.5/37

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -620.734+/-1849.005 χ^2/NDF:26.4/33

Out: -16.409+/-1678.597 χ^2/NDF:41.0/38

All: -289.446+/-1242.836 χ^2/NDF: 67.5/72



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8631.660+/-1.587 χ^2/NDF:1738369.2/19

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9313.420+/-1.742 χ^2/NDF:986075.3/17

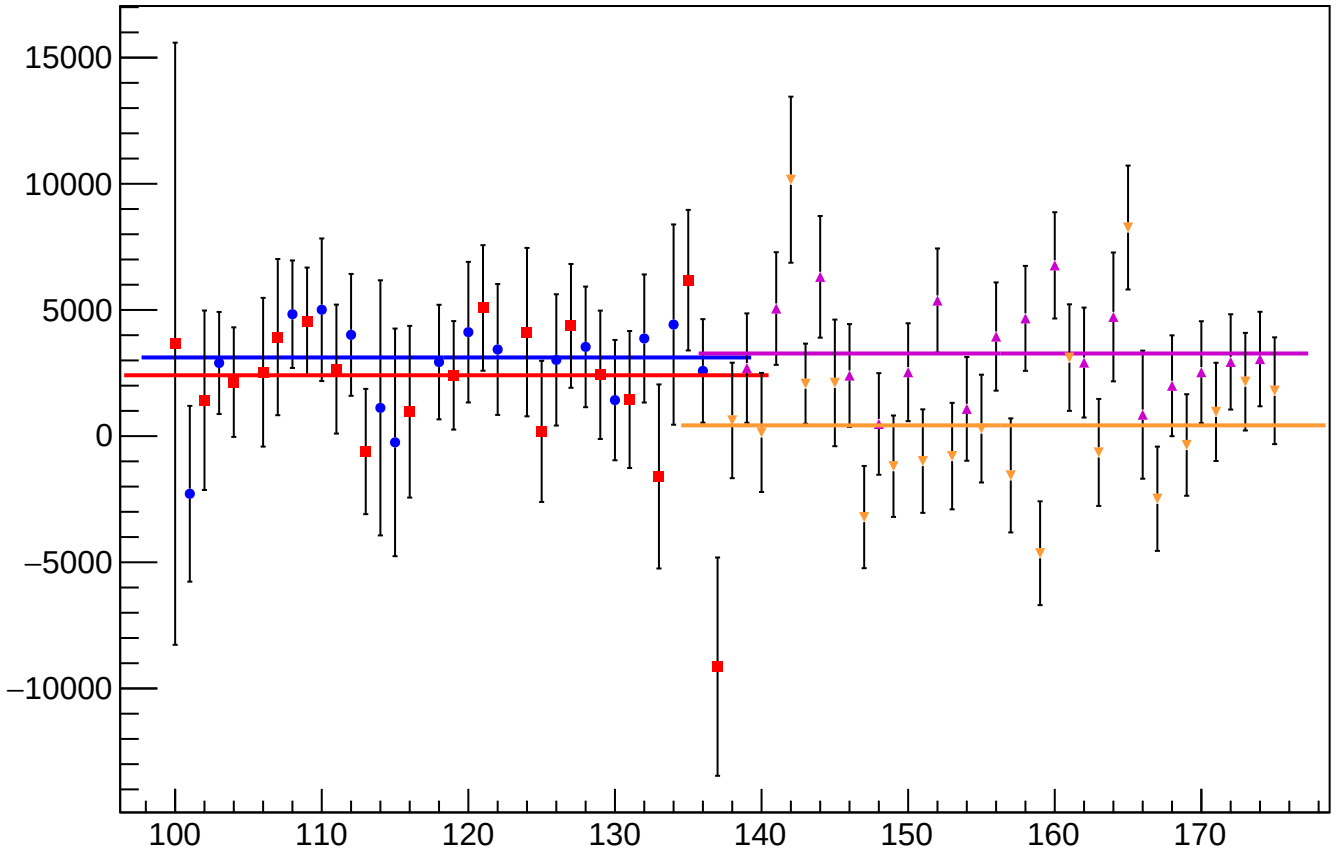
Left: 8940.815+/-1.173 χ^2/NDF: 2808168.2/37

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8475.234+/-1.307 χ^2/NDF:1918255.4/33

Out: 7807.192+/-1.187 χ^2/NDF:2995821.6/38

All: 8109.017+/-0.879 χ^2/NDF: 5057195.5/72



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 426.482+/-472.893 χ^2/NDF:37.3/19

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3275.049+/-495.997 χ^2/NDF:11.9/17

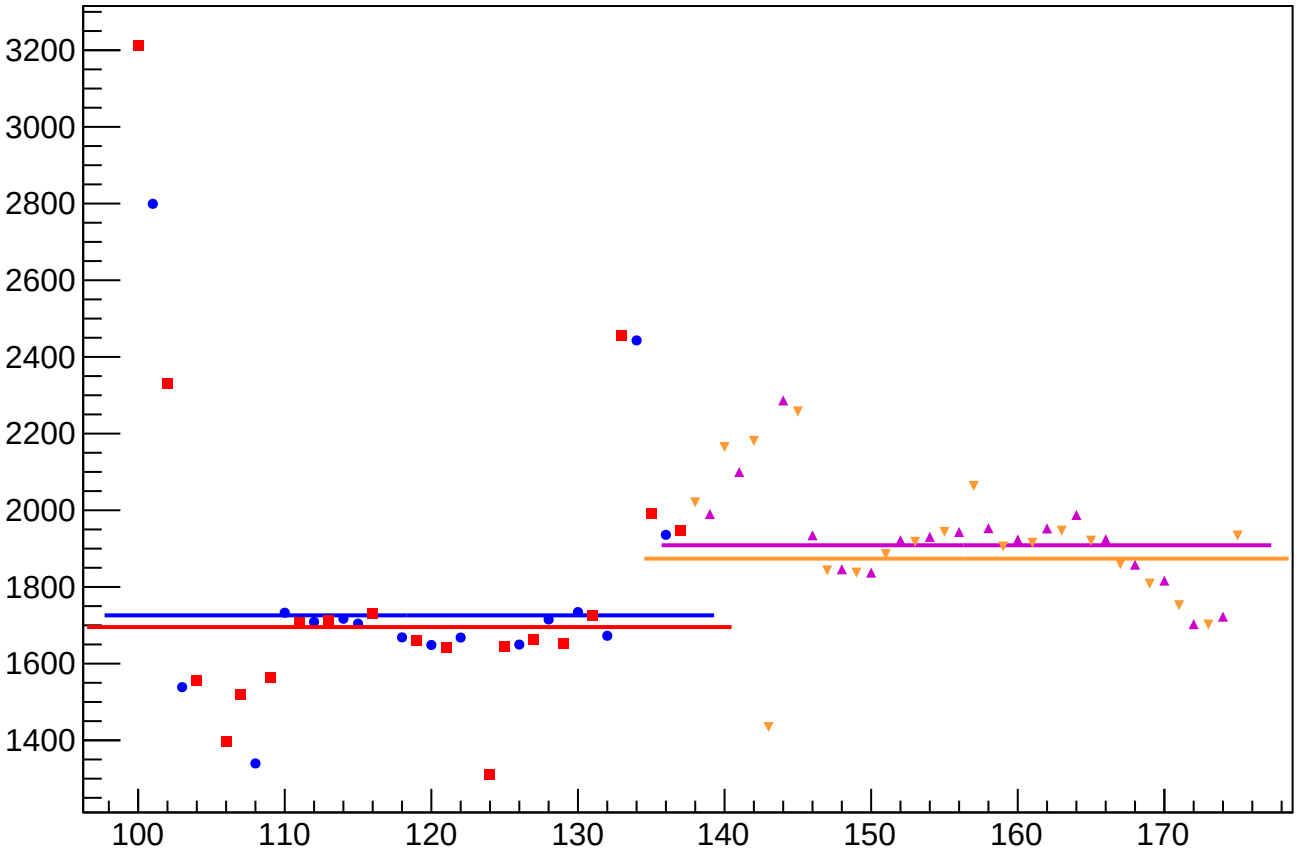
Left: 1782.878+/-342.262 χ^2/NDF: 66.5/37

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3217.337+/-394.559 χ^2/NDF:17.2/33

Out: 1129.242+/-380.126 χ^2/NDF:59.6/38

All: 2134.399+/-273.750 χ^2/NDF: 91.3/72



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1873.917+/-0.334 χ^2/NDF:305846.7/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1908.725+/-0.351 χ^2/NDF:125220.0/17

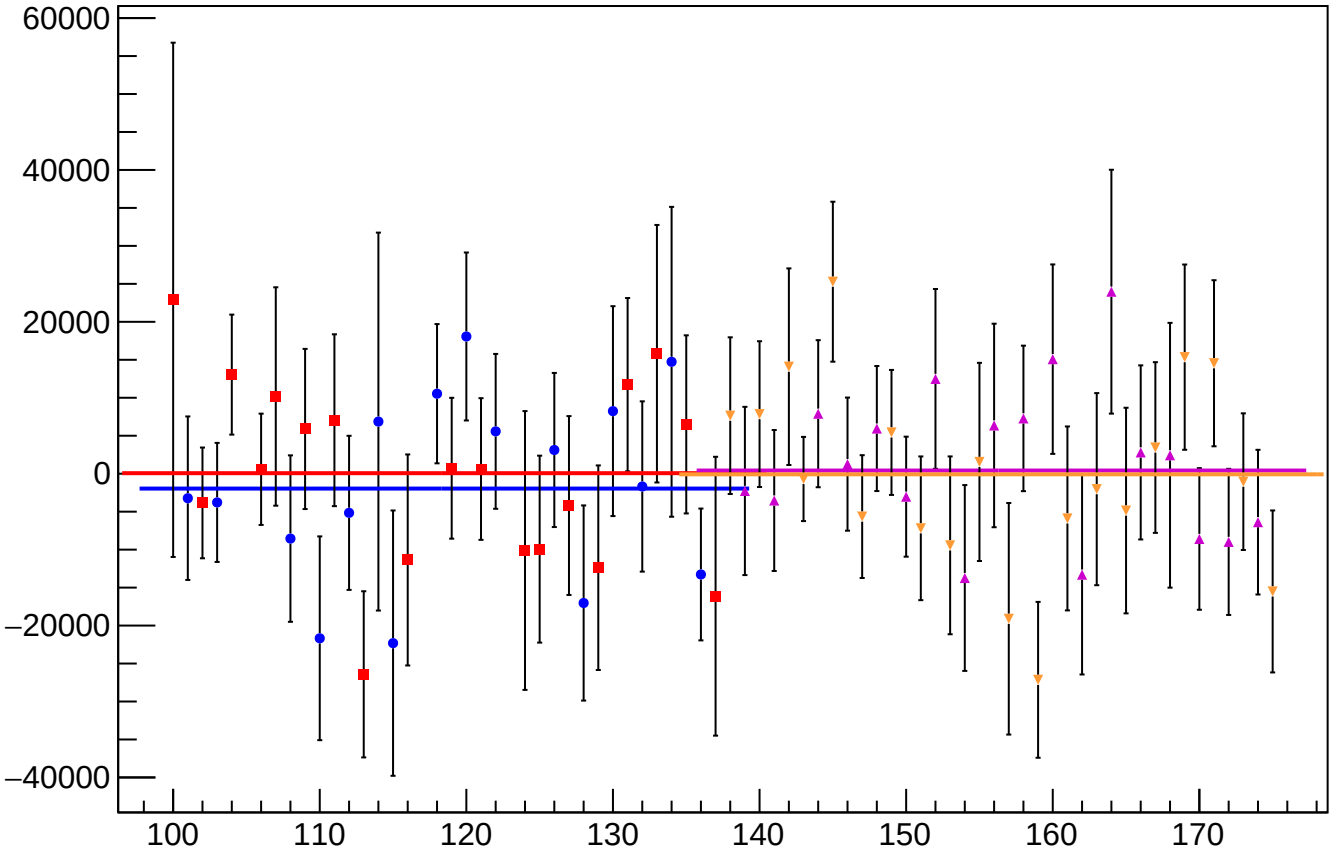
Left: 1890.491+/-0.242 χ^2/NDF: 436226.2/37

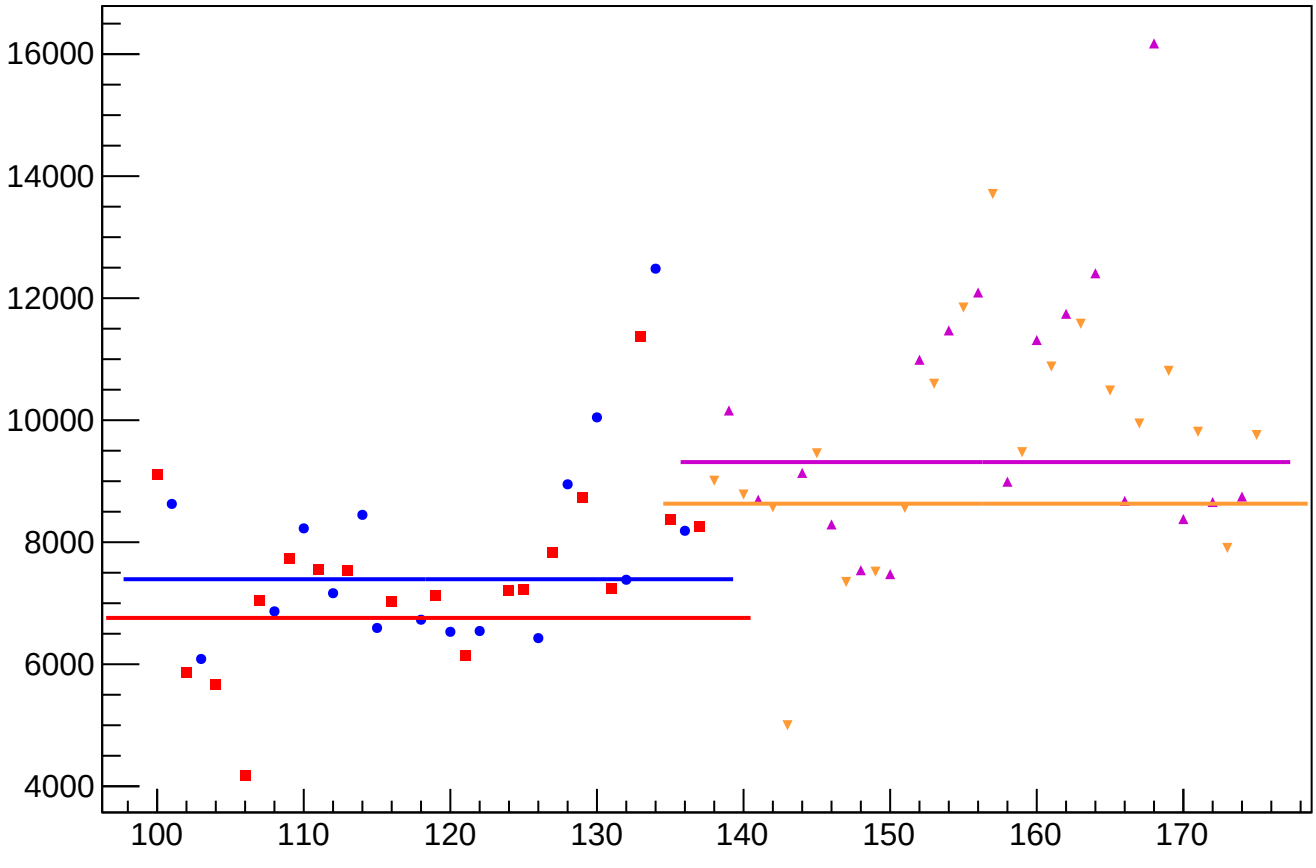
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1841.595+/-0.279 χ^2/NDF:590628.0/33

Out: 1810.712+/-0.269 χ^2/NDF:692385.6/38

All: 1825.576+/-0.194 χ^2/NDF: 1289369.0/72


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: -82.958+/-2243.857 χ²/NDF:24.9/19
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 416.000+/-2463.376 χ²/NDF:11.6/17
Left: 143.303+/-1658.836 χ²/NDF: 36.5/37
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -620.731+/-1849.005 χ²/NDF:26.4/33
Out: -16.409+/-1678.597 χ²/NDF:41.0/38
All: -289.445+/-1242.836 χ²/NDF: 67.5/72



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8631.674+/-1.587 χ^2/NDF:1738369.3/19

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9313.433+/-1.742 χ^2/NDF:986077.1/17

Left: 8940.829+/-1.173 χ^2/NDF: 2808169.7/37

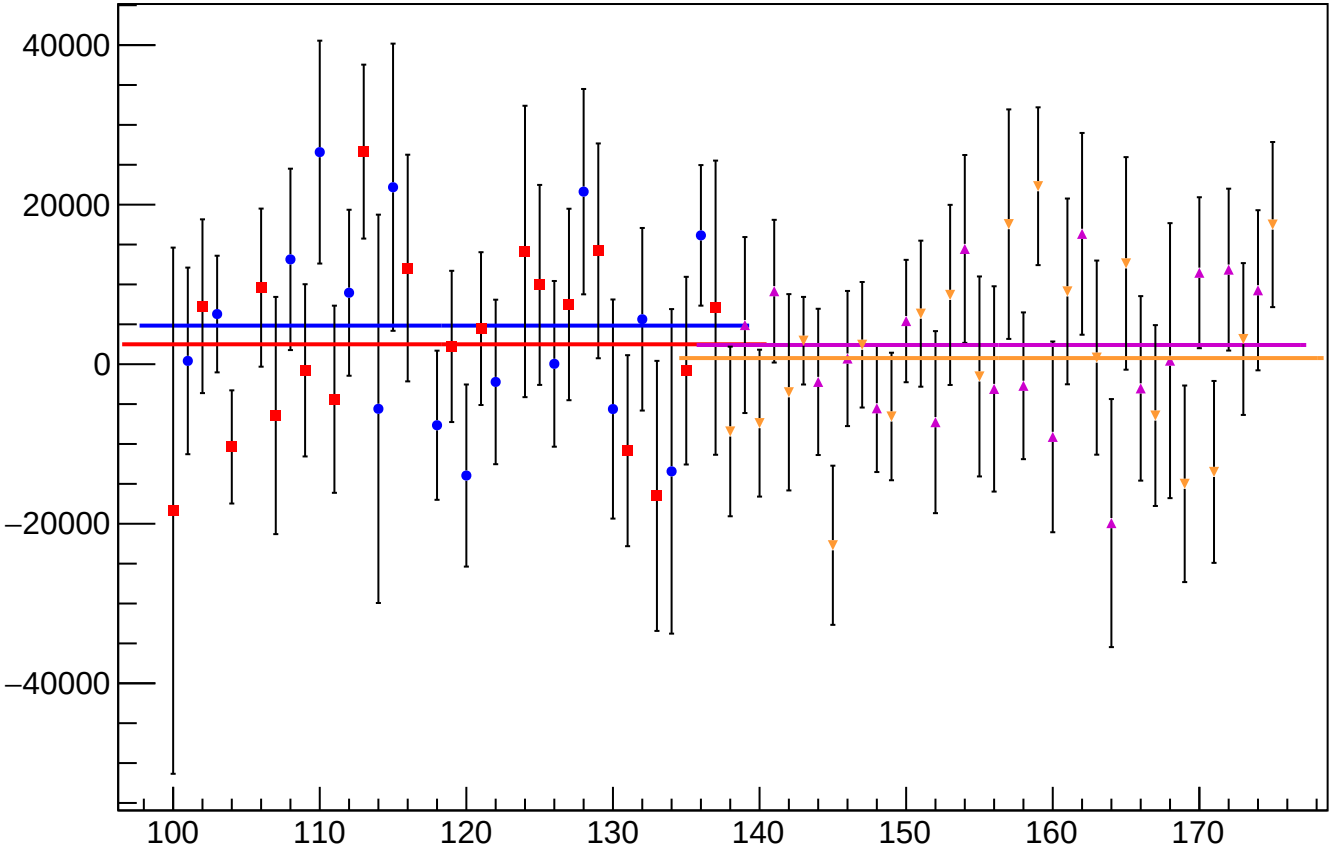
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8475.230+/-1.307 χ^2/NDF:1918277.3/33

Out: 7807.190+/-1.187 χ^2/NDF:2995839.7/38

All: 8109.014+/-0.879 χ^2/NDF: 5057234.9/72

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 767.385+/-2205.008 χ^2/NDF:22.8/19

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2408.180+/-2418.373 χ^2/NDF:11.0/17

Left: 1512.222+/-1629.397 χ^2/NDF: 34.1/37

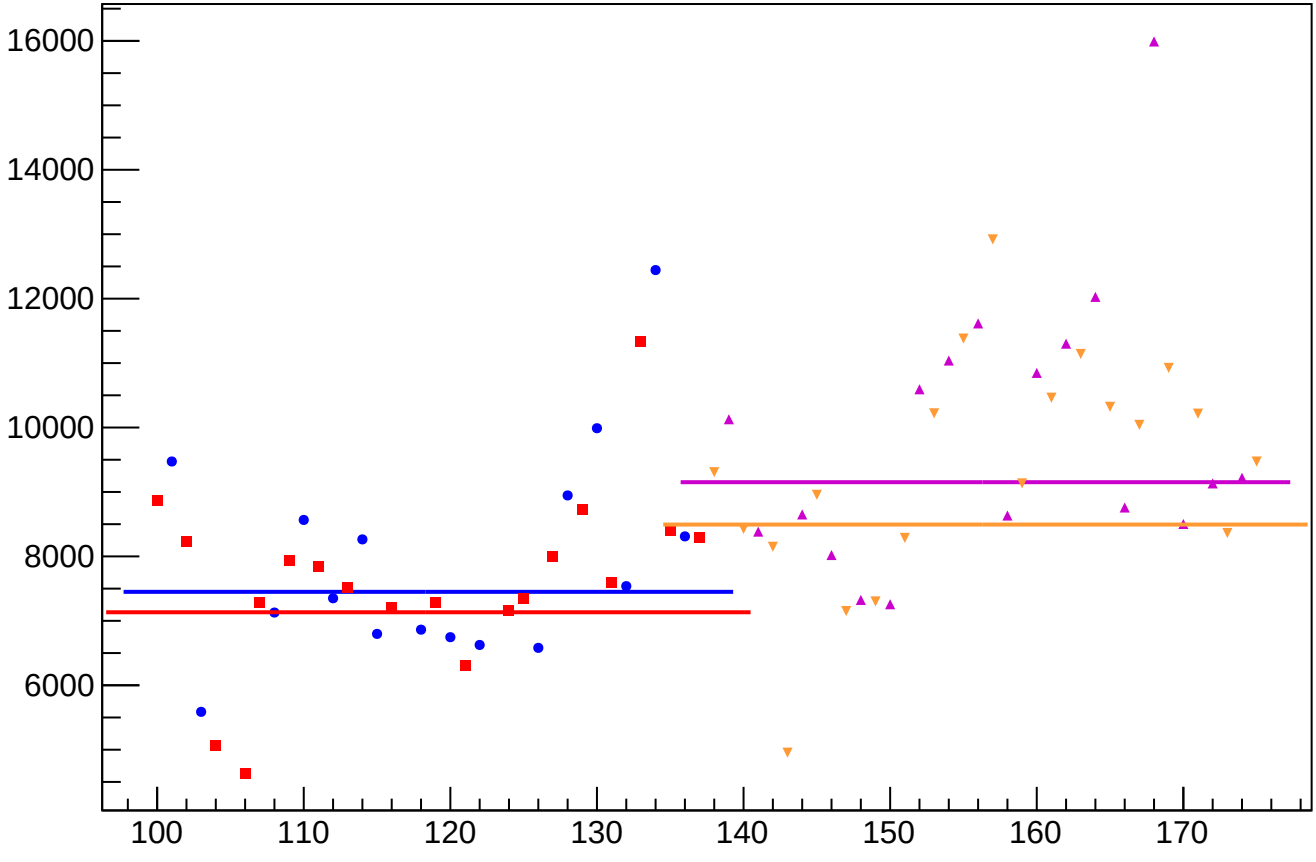
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3434.063+/-1838.223 χ^2/NDF:25.8/33

Out: 1460.320+/-1706.714 χ^2/NDF:38.0/38

All: 2374.071+/-1250.739 χ^2/NDF: 64.4/72

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8494.247+/-1.559 χ^2/NDF:1671633.4/19

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9151.641+/-1.710 χ^2/NDF:954546.5/17

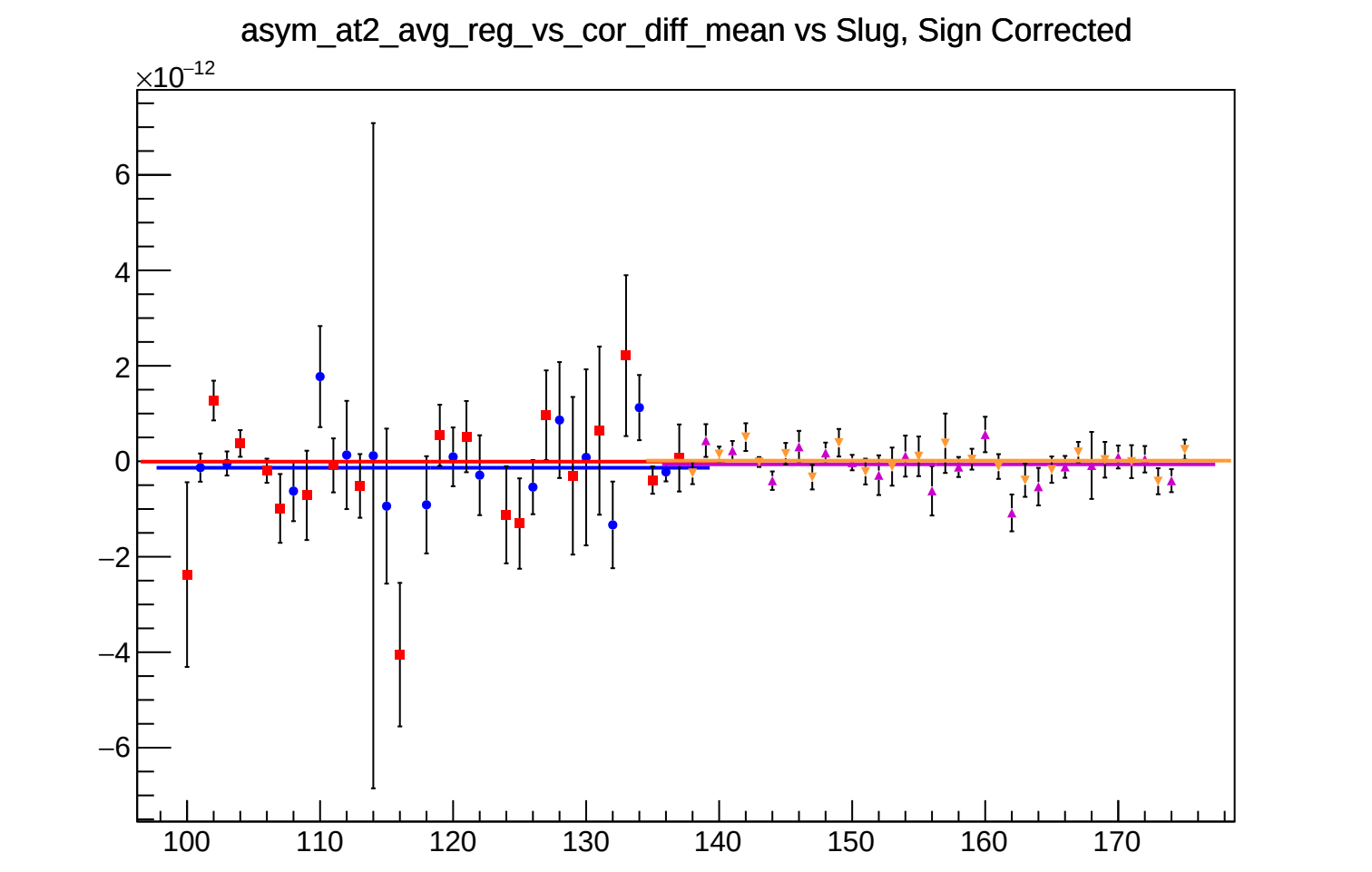
Left: 8792.670+/-1.152 χ^2/NDF: 2706878.8/37

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8433.132+/-1.300 χ^2/NDF:1859080.7/33

Out: 7948.527+/-1.207 χ^2/NDF:2534174.9/38

All: 8172.871+/-0.884 χ^2/NDF: 4467906.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/17

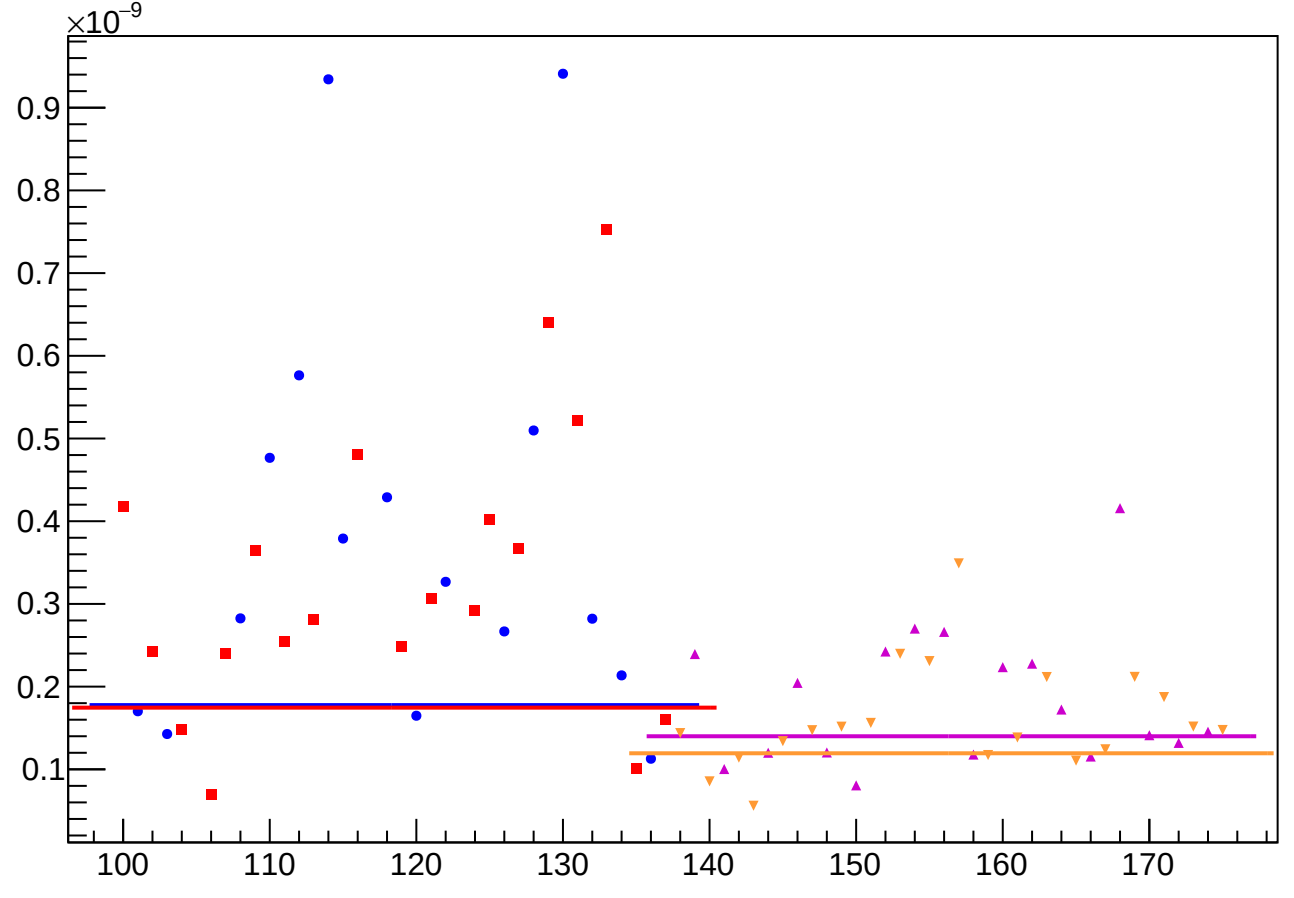
Left: -0.000+/-0.000 χ^2/NDF: 42.8/37

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:37.2/33

Out: 0.000+/-0.000 χ^2/NDF:49.3/38

All: -0.000+/-0.000 χ^2/NDF: 88.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1976531.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1625973.5/17

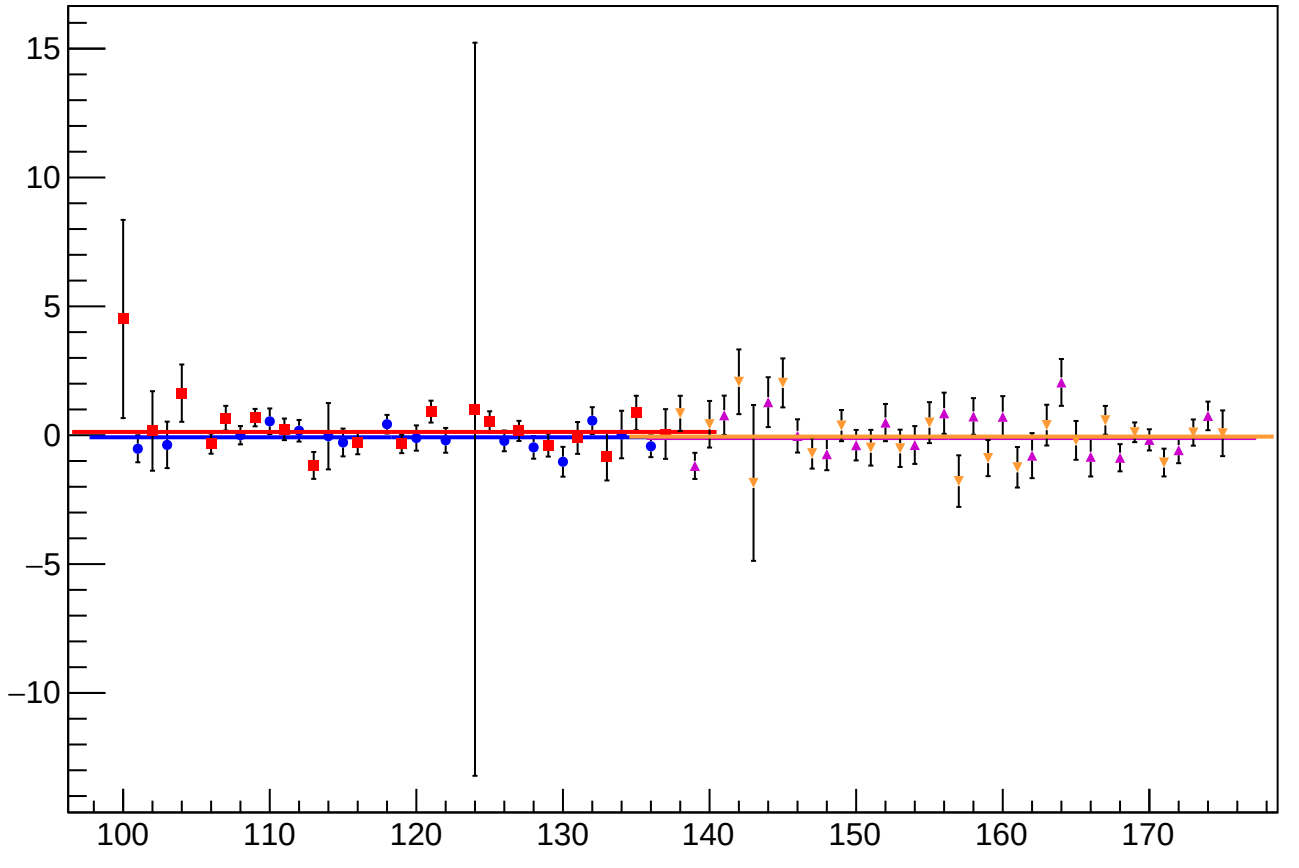
Left: 0.000+/-0.000 χ^2/NDF: 3730412.6/37

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3311299.9/33

Out: 0.000+/-0.000 χ^2/NDF:3959271.7/38

All: 0.000+/-0.000 χ^2/NDF: 7423677.5/72



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

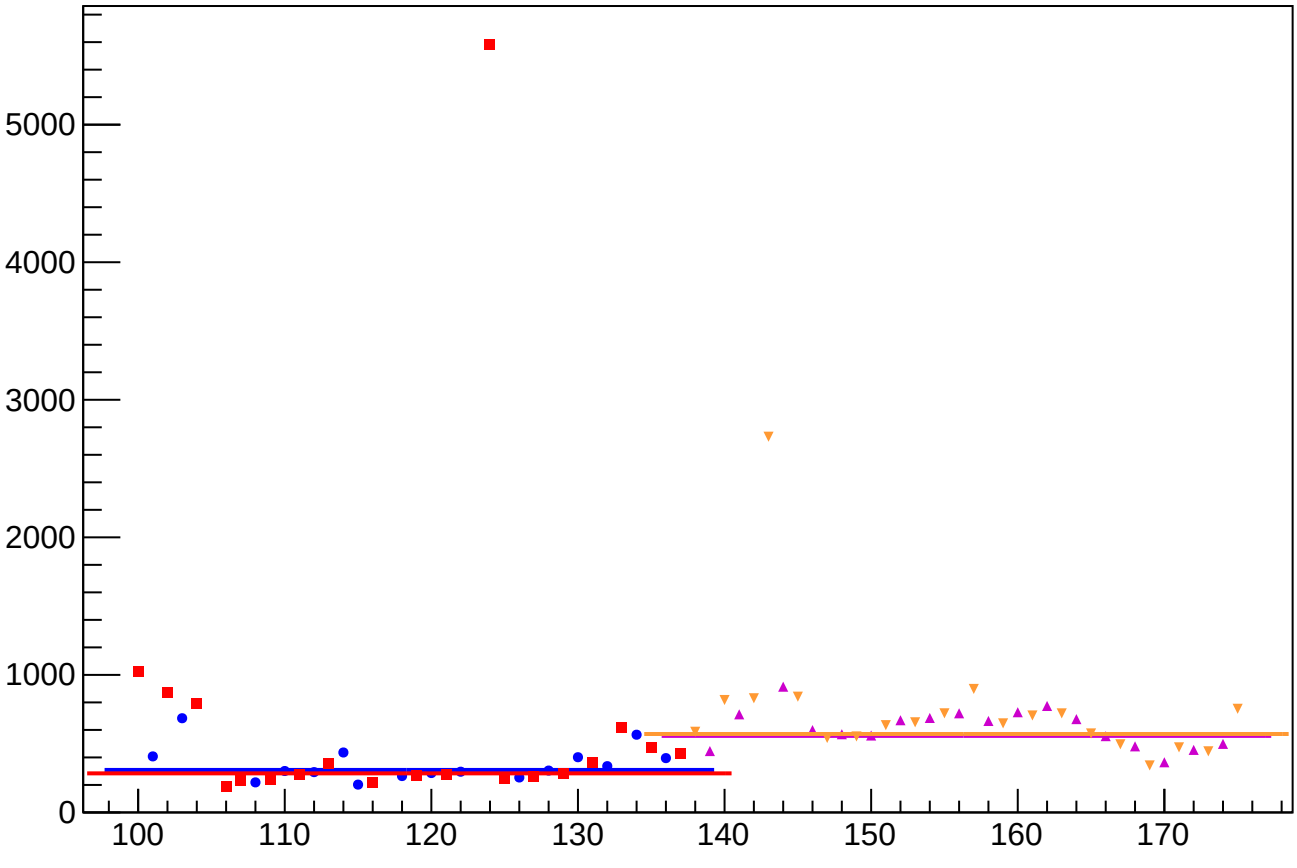
Left: -0.082+/-0.107 χ^2/NDF: 51.6/37

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.014+/-0.066 χ^2/NDF: 89.8/72



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

Left: 563.389+/-0.076 χ^2/NDF: 4480882.0/37

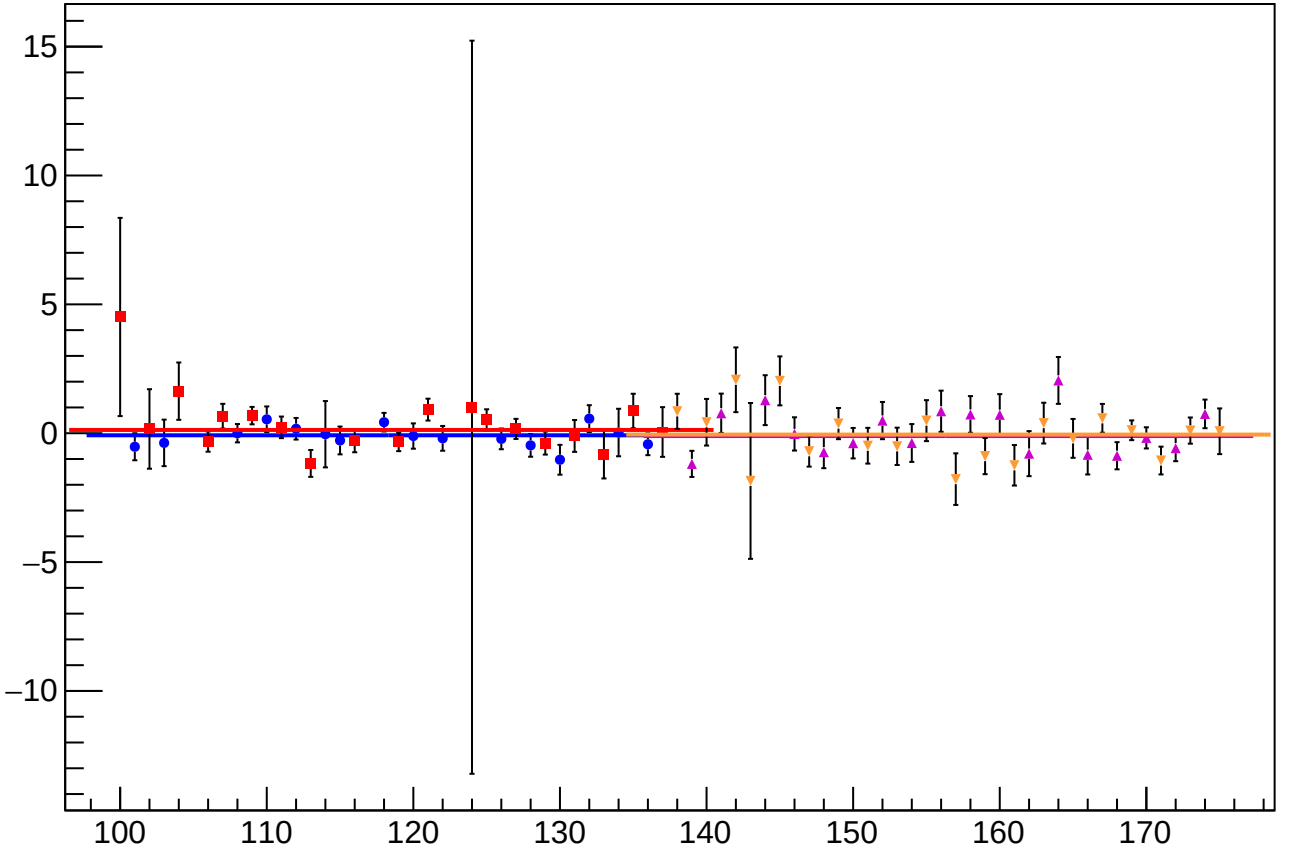
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 407.291+/-0.067 χ^2/NDF:5825299.7/33

Out: 390.107+/-0.066 χ^2/NDF:9226976.6/38

All: 398.528+/-0.047 χ^2/NDF: 15085895.1/72

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

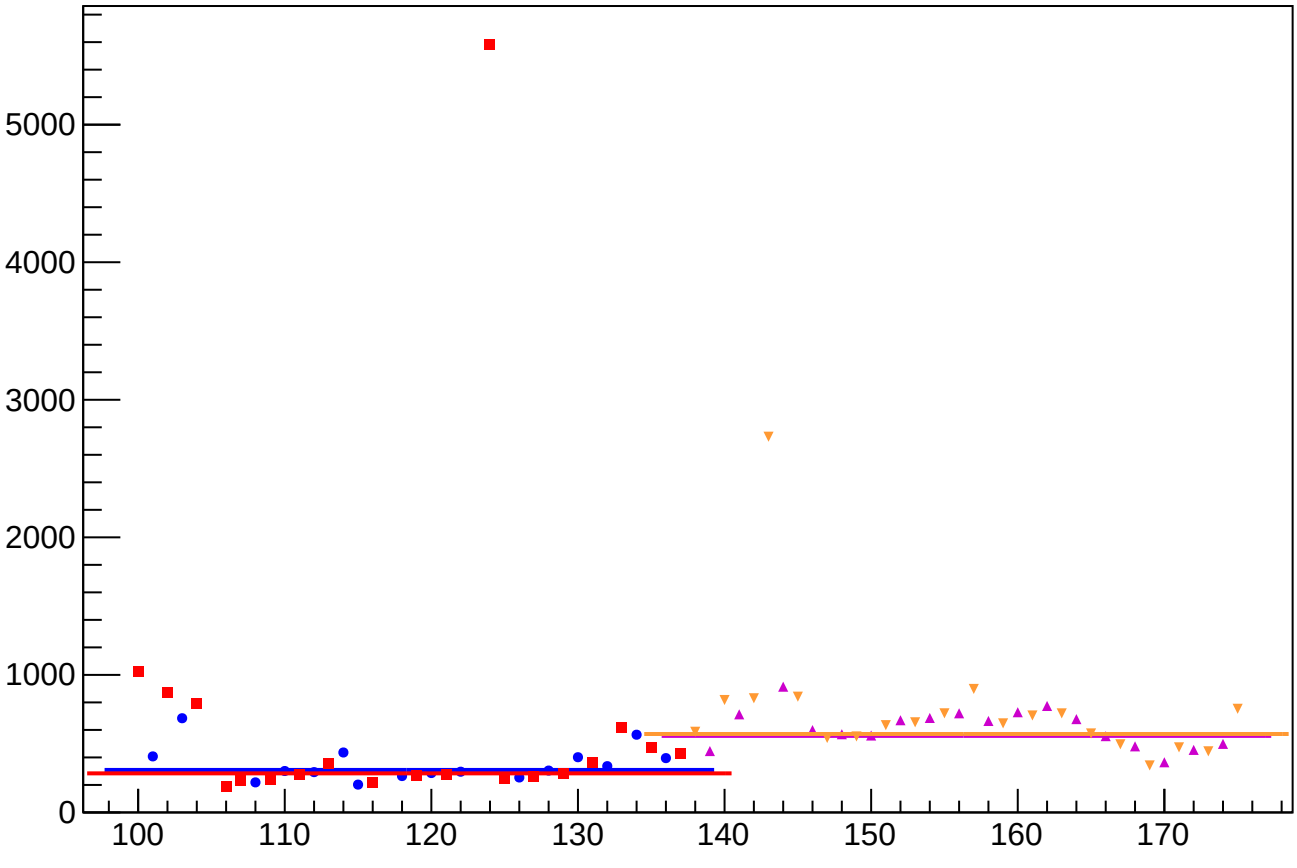
Left: -0.082+/-0.107 χ^2/NDF: 51.6/37

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.014+/-0.066 χ^2/NDF: 89.8/72



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

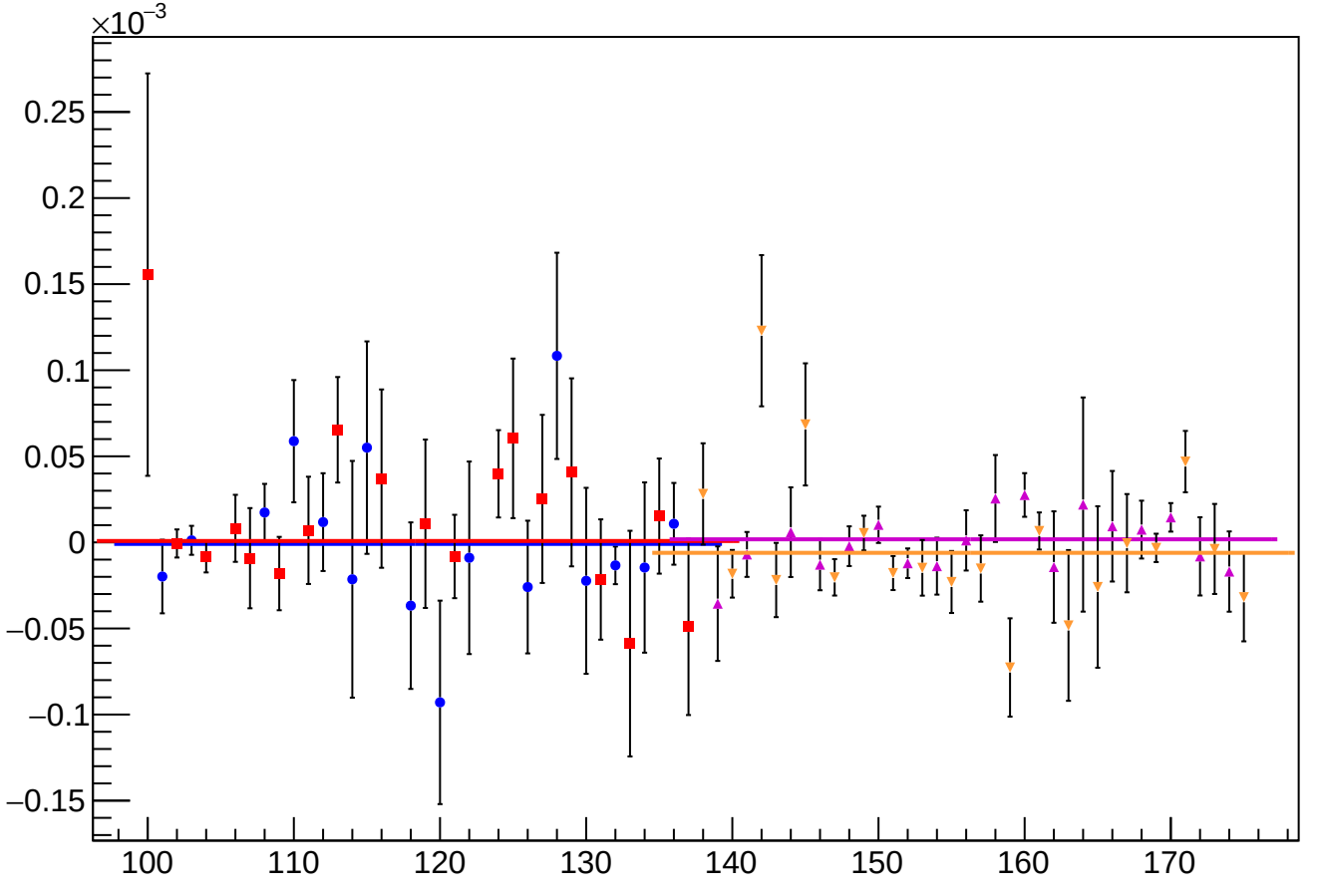
Left: 563.389+/-0.076 χ^2/NDF: 4480882.0/37

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 407.291+/-0.067 χ^2/NDF:5825299.7/33

Out: 390.107+/-0.066 χ^2/NDF:9226976.6/38

All: 398.528+/-0.047 χ^2/NDF: 15085895.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

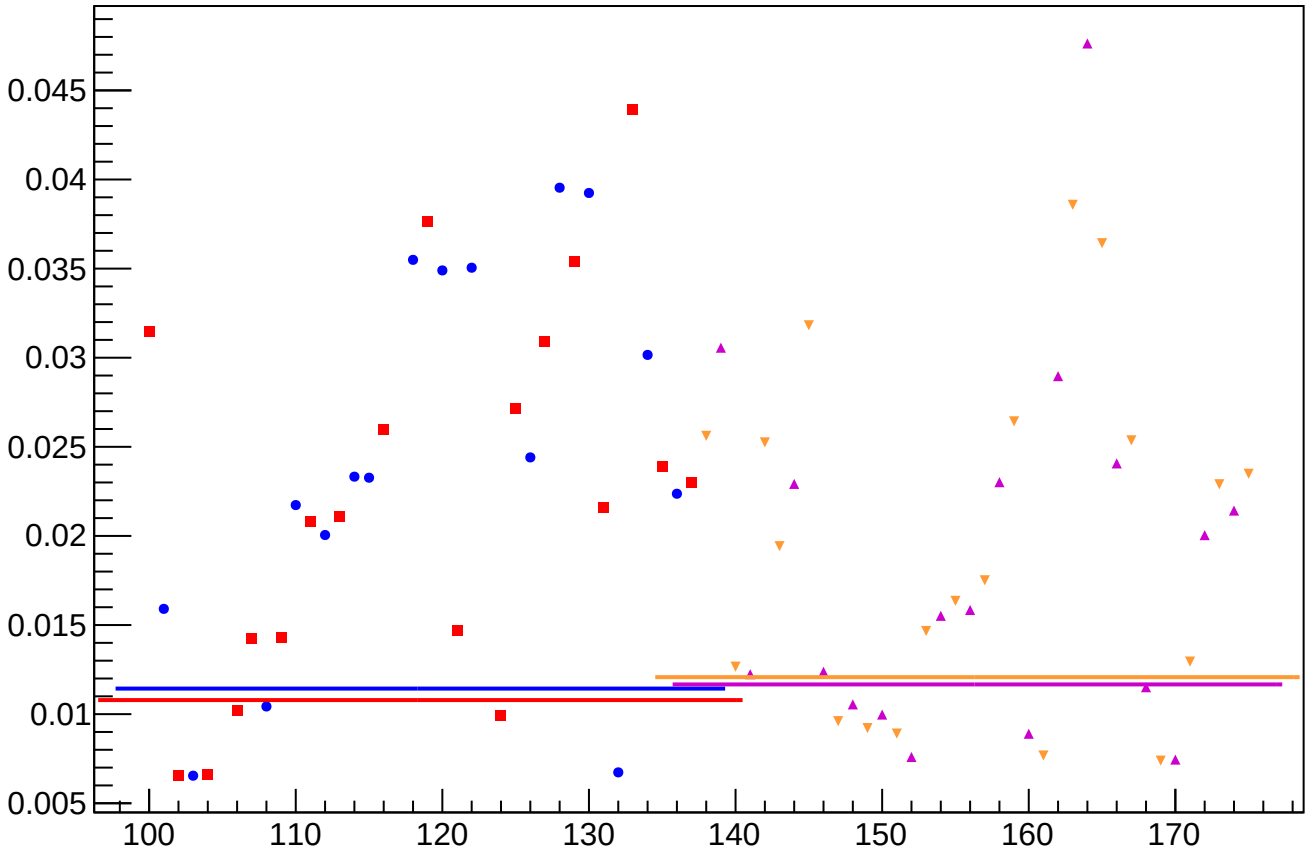
Left: -0.000+/-0.000 χ^2/NDF: 57.8/37

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:30.4/33

Out: -0.000+/-0.000 χ^2/NDF:57.0/38

All: -0.000+/-0.000 χ^2/NDF: 88.8/72



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6193558.3/19

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:4945315.8/17

Left: 0.012+/-0.000 χ^2/NDF: 11152389.8/37

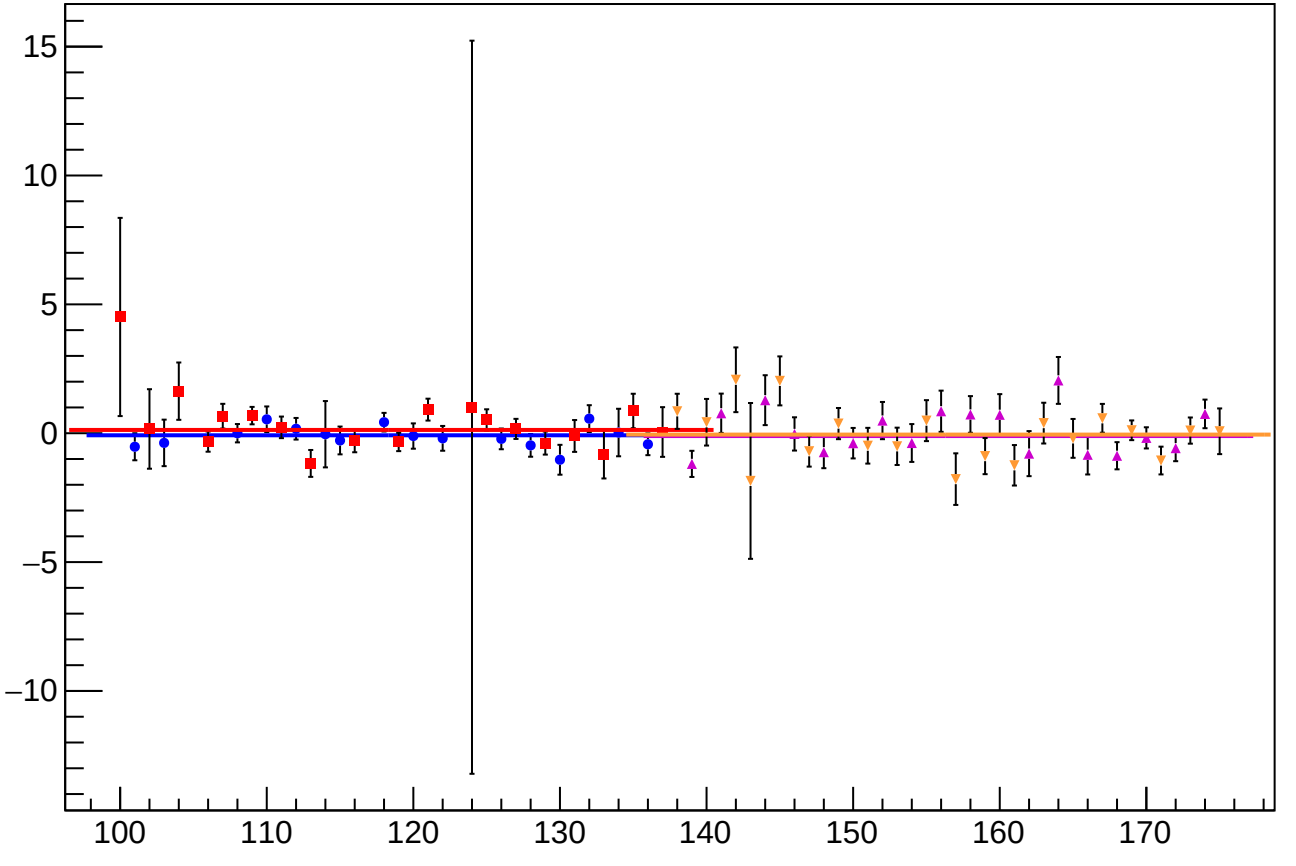
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:9647948.0/33

Out: 0.012+/-0.000 χ^2/NDF:10759882.1/38

All: 0.012+/-0.000 χ^2/NDF: 20407983.2/72

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

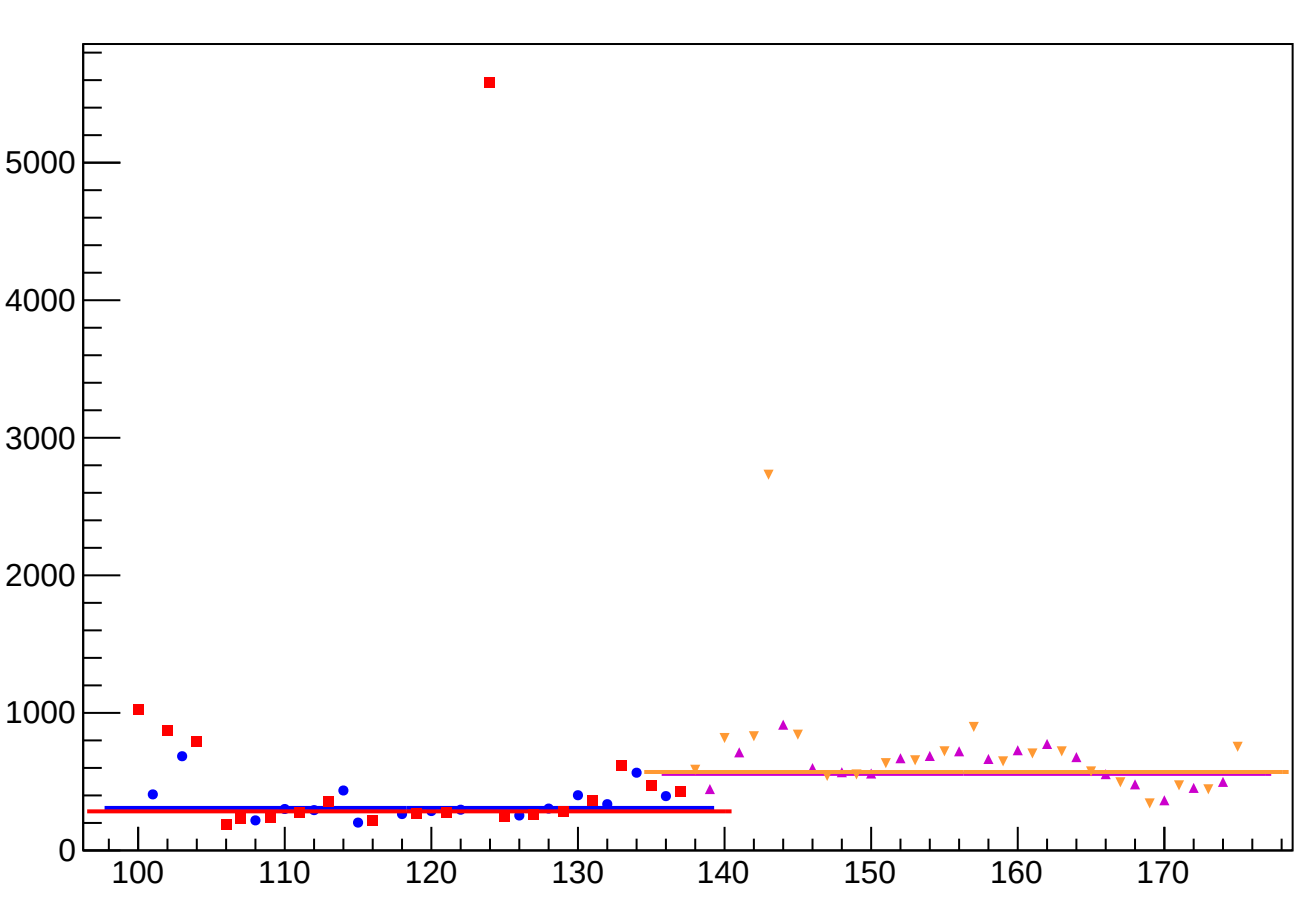
Left: -0.082+/-0.107 χ^2/NDF: 51.6/37

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.014+/-0.066 χ^2/NDF: 89.8/72



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

Left: 563.390+/-0.076 χ^2/NDF: 4481113.9/37

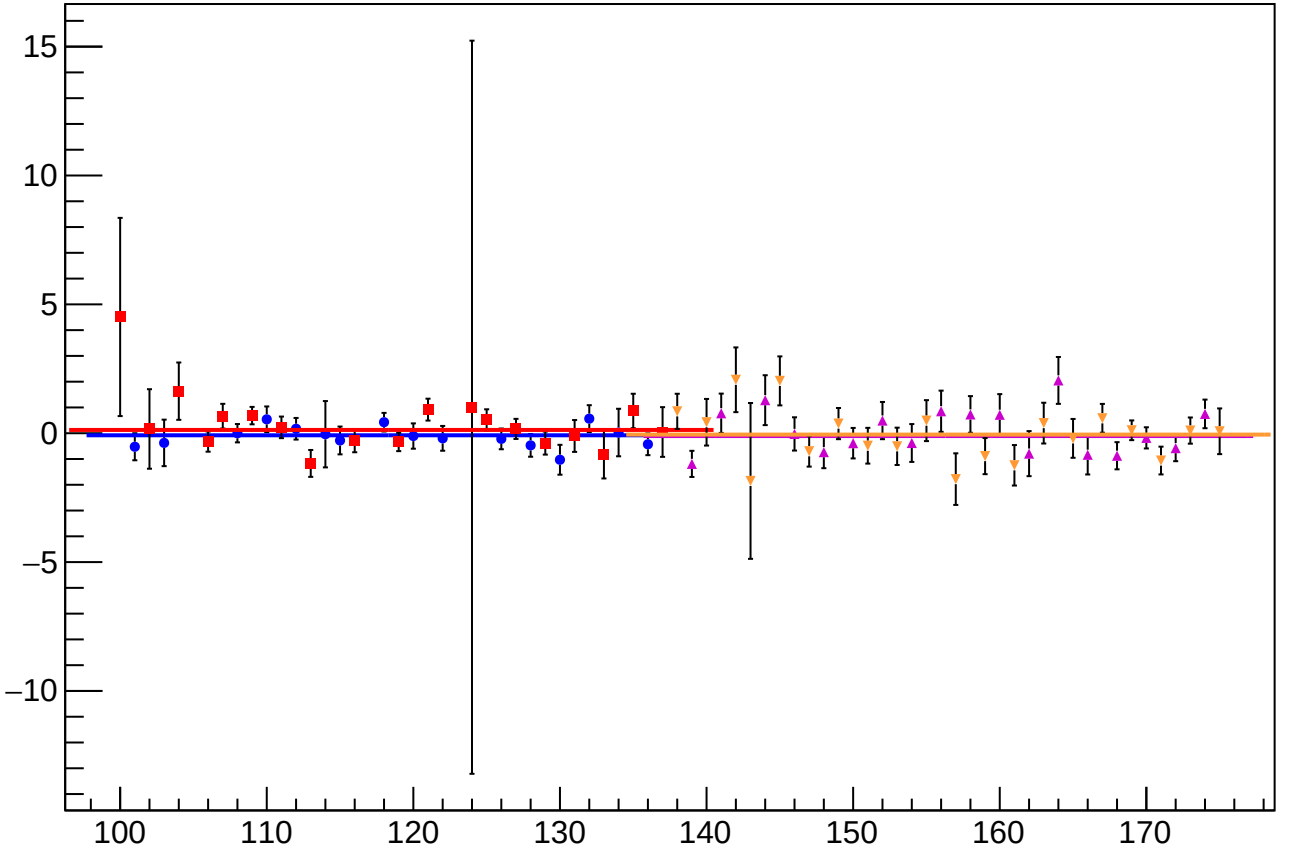
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 407.291+/-0.067 χ^2/NDF:5825423.7/33

Out: 390.105+/-0.066 χ^2/NDF:9227120.2/38

All: 398.527+/-0.047 χ^2/NDF: 15086165.0/72

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

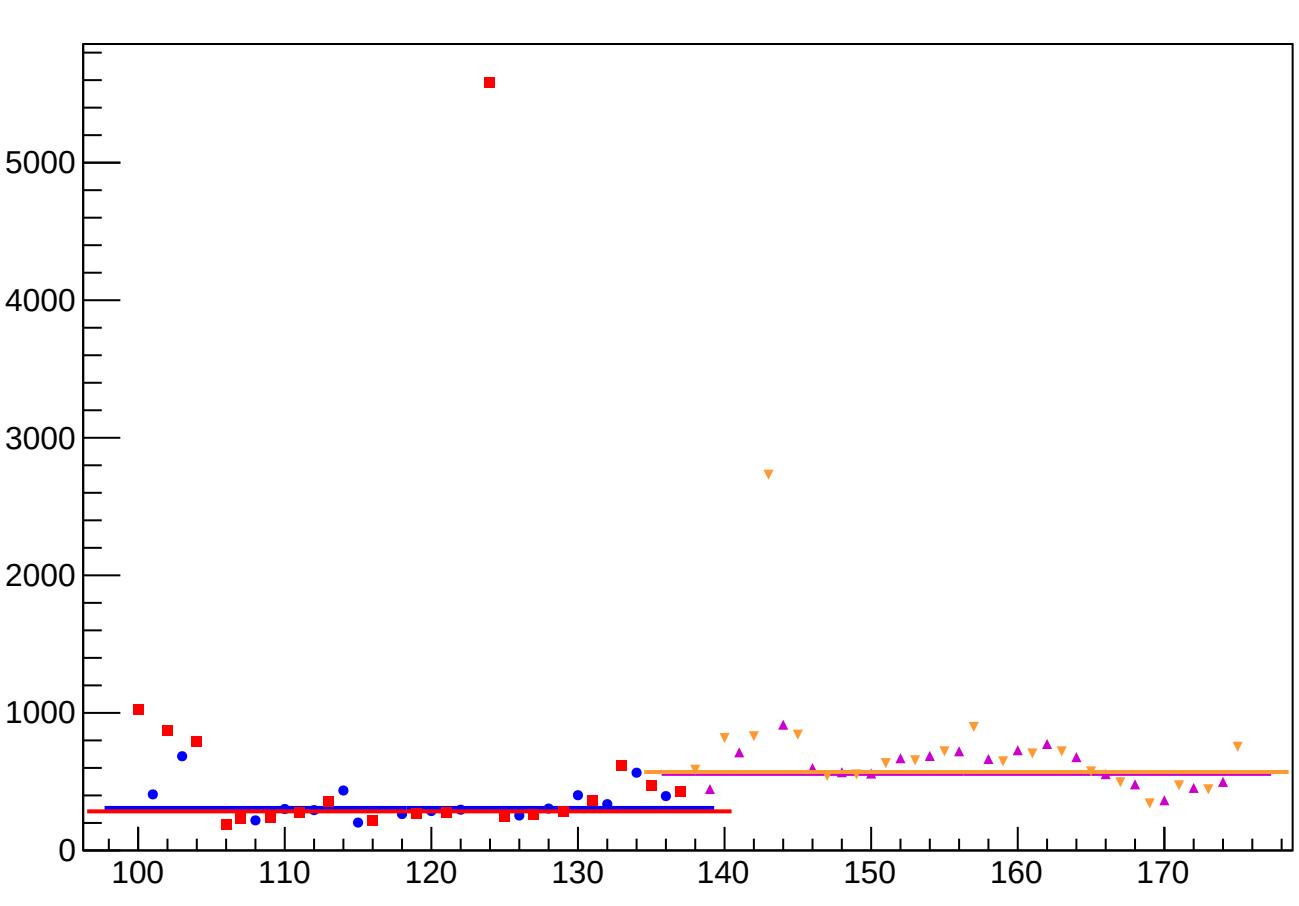
Left: -0.082+/-0.107 χ^2/NDF: 51.6/37

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.014+/-0.066 χ^2/NDF: 89.8/72



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

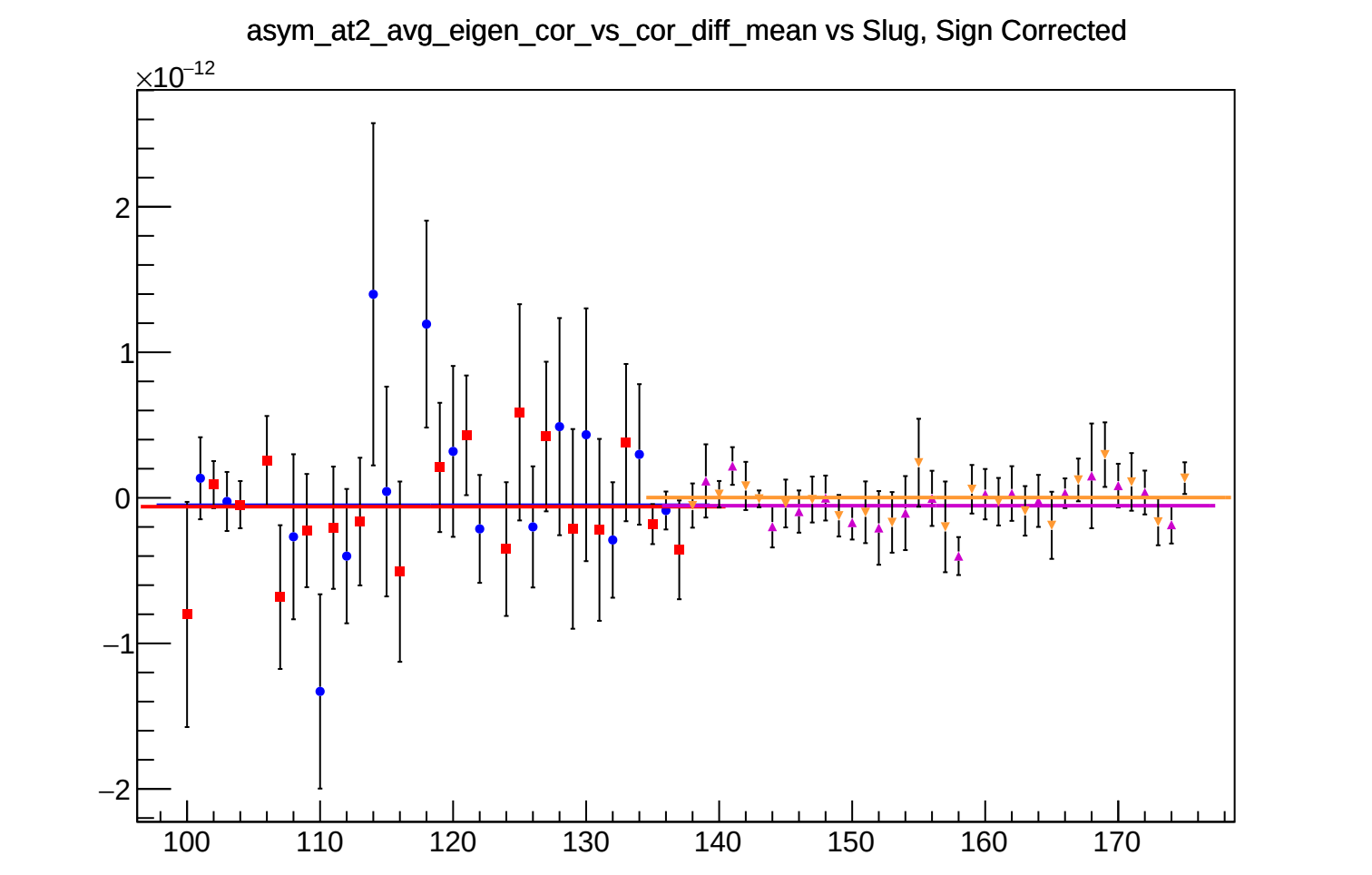
Left: 563.390+/-0.076 χ^2/NDF: 4481113.9/37

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 407.291+/-0.067 χ^2/NDF:5825423.7/33

Out: 390.105+/-0.066 χ^2/NDF:9227120.2/38

All: 398.527+/-0.047 χ^2/NDF: 15086165.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/17

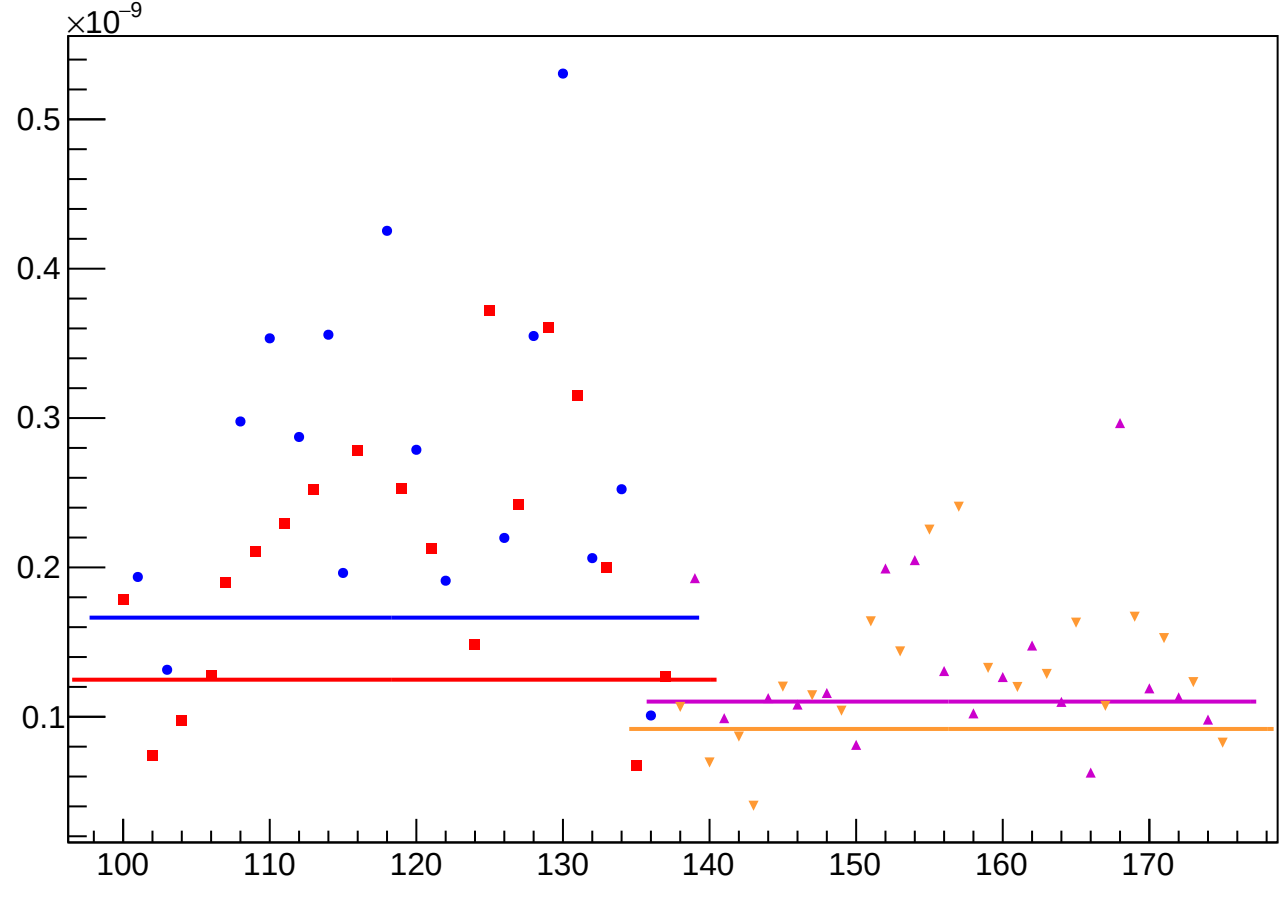
Left: -0.000+/-0.000 χ^2/NDF: 29.3/37

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.3/33

Out: -0.000+/-0.000 χ^2/NDF:21.8/38

All: -0.000+/-0.000 χ^2/NDF: 53.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4041357.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2010523.2/17

Left: 0.000+/-0.000 χ^2/NDF: 6343858.0/37

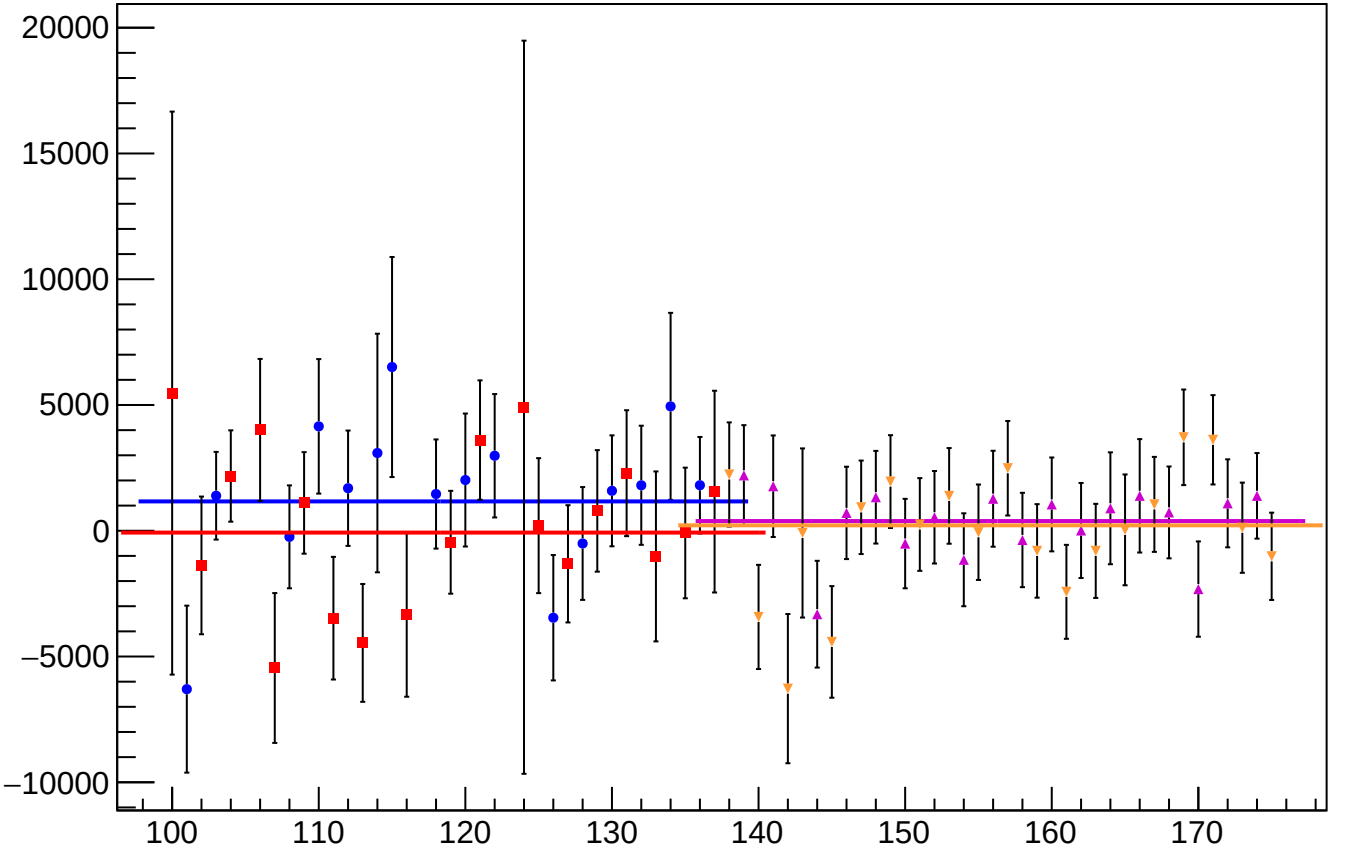
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4741106.4/33

Out: 0.000+/-0.000 χ^2/NDF:6621533.9/38

All: 0.000+/-0.000 χ^2/NDF: 11852446.8/72

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.477+/-439.717 χ^2/NDF:26.5/19

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 386.054+/-447.644 χ^2/NDF:9.0/17

Left: 299.242+/-313.692 χ^2/NDF: 35.5/37

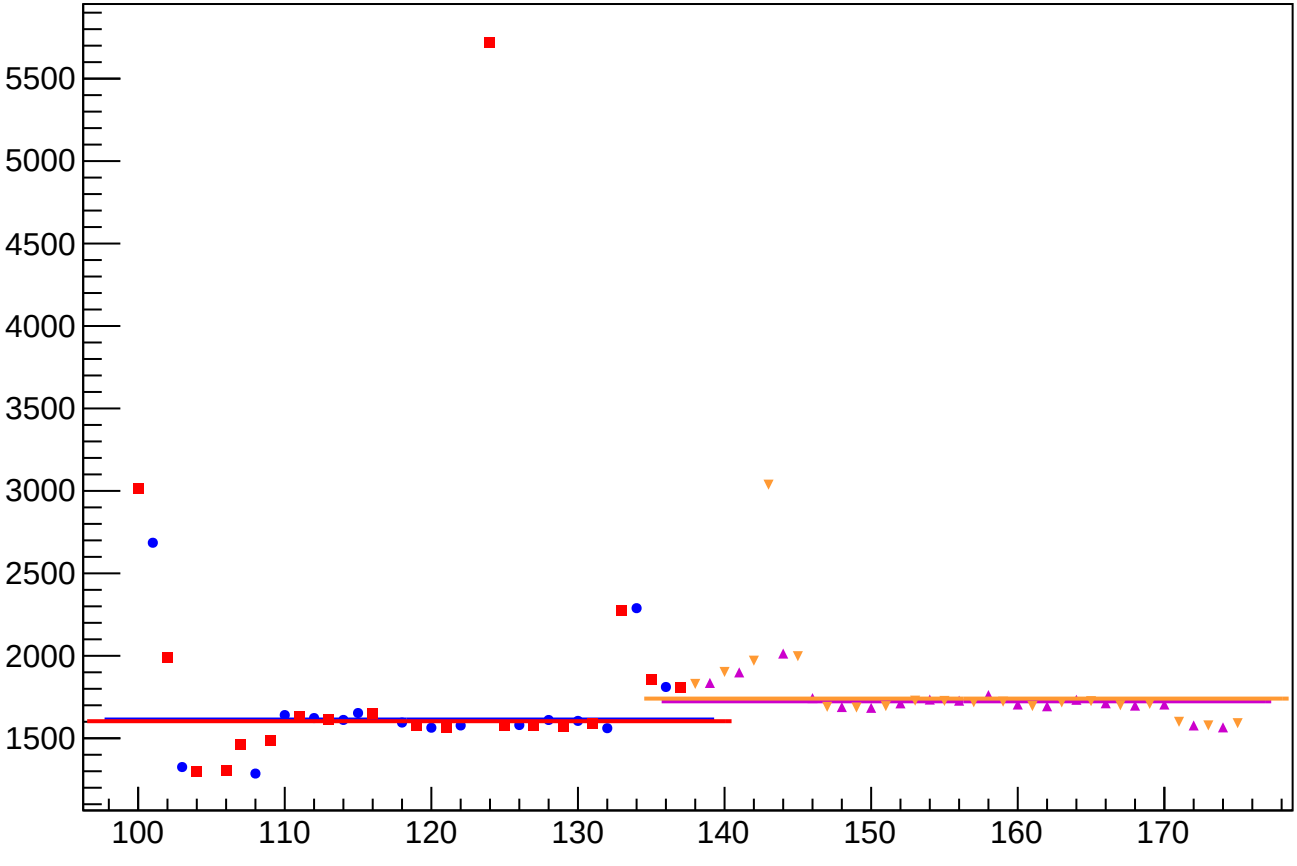
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 659.841+/-360.723 χ^2/NDF:24.5/33

Out: 115.694+/-355.360 χ^2/NDF:44.9/38

All: 383.692+/-253.152 χ^2/NDF: 70.5/72

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.7/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

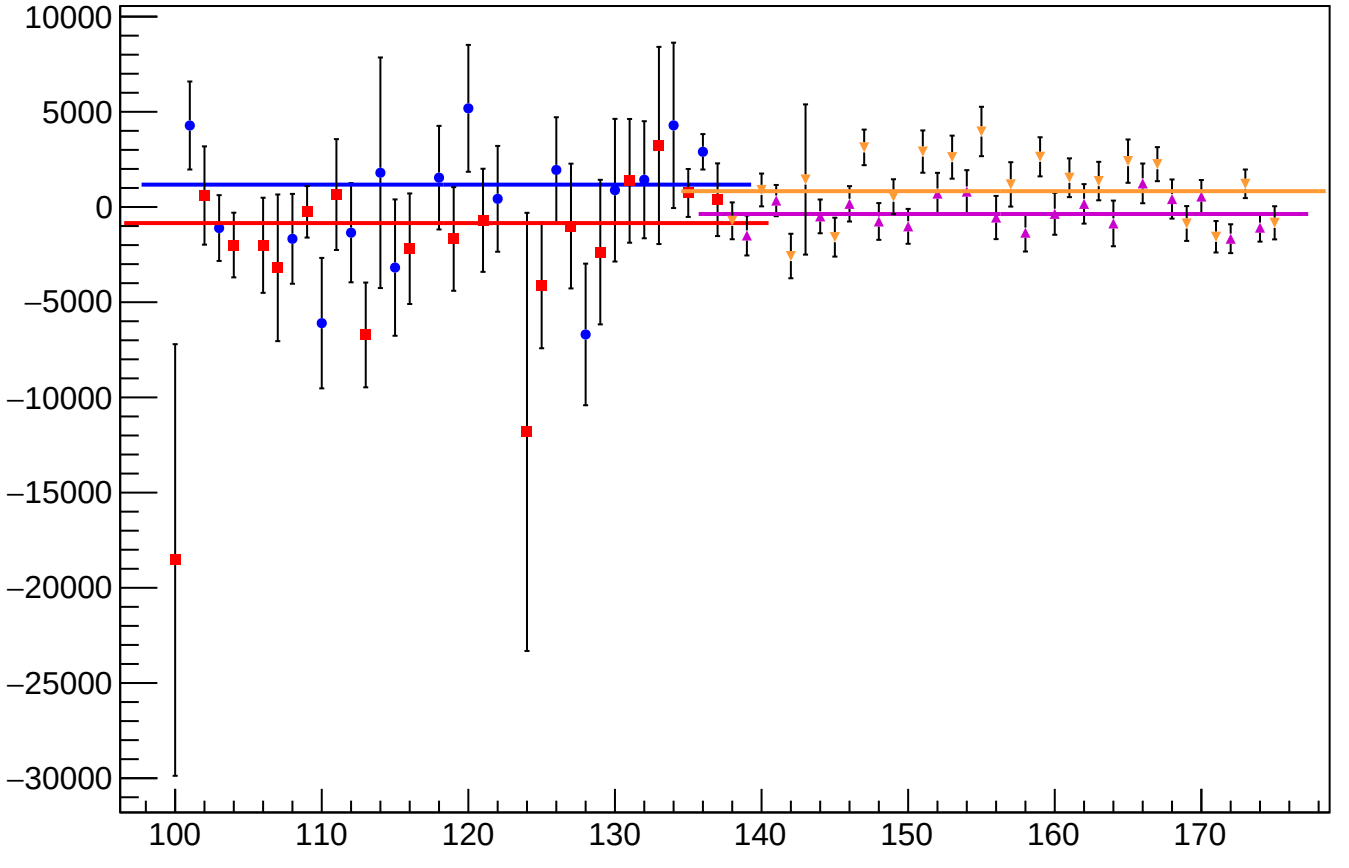
Left: 1732.503+/-0.222 χ^2/NDF: 499859.3/37

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1685.376+/-0.255 χ^2/NDF:541483.6/33

Out: 1693.041+/-0.251 χ^2/NDF:897637.8/38

All: 1689.266+/-0.179 χ^2/NDF: 1439579.7/72



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 831.762+/-223.062 χ^2/NDF:58.9/19

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -367.249+/-224.962 χ^2/NDF:14.4/17

Left: 237.342+/-158.396 χ^2/NDF: 87.5/37

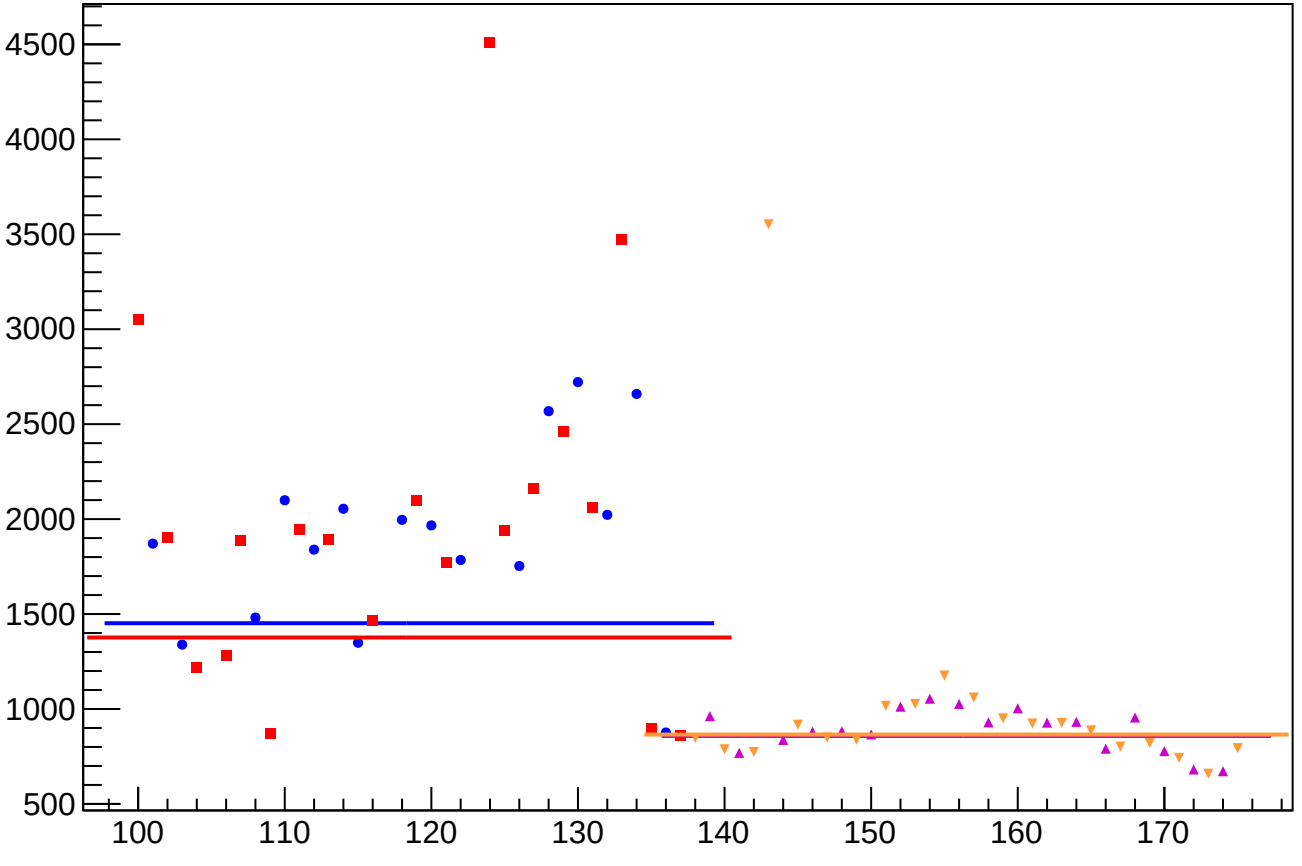
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -164.943+/-209.694 χ^2/NDF:42.5/33

Out: 600.488+/-207.097 χ^2/NDF:80.9/38

All: 222.542+/-147.349 χ^2/NDF: 130.2/72

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 865.270+/-0.158 χ^2/NDF:1464288.6/19

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 857.926+/-0.159 χ^2/NDF:533624.3/17

Left: 861.629+/-0.112 χ^2/NDF: 1998987.5/37

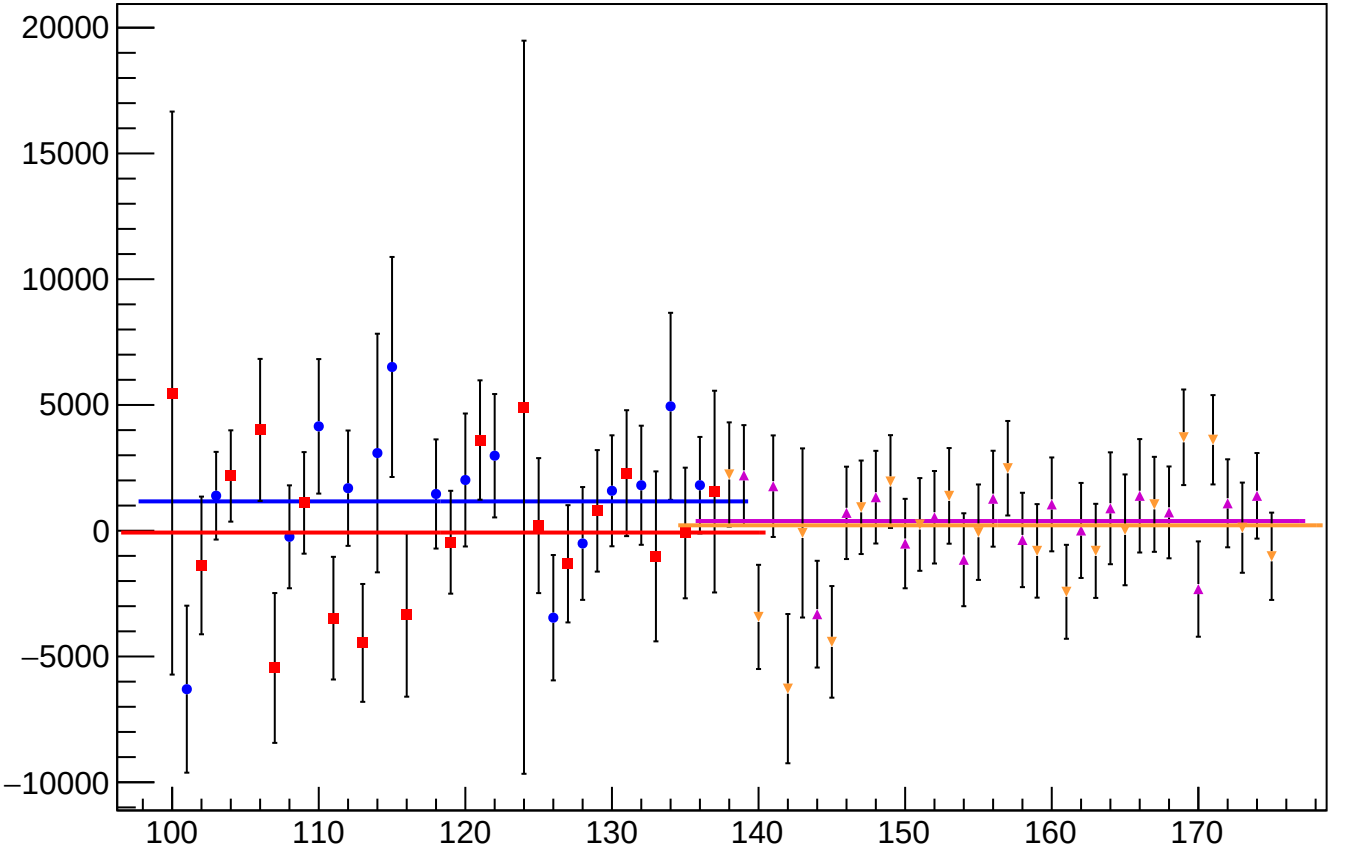
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 935.782+/-0.148 χ^2/NDF:4151186.6/33

Out: 935.827+/-0.146 χ^2/NDF:5046158.9/38

All: 935.805+/-0.104 χ^2/NDF: 9197345.6/72

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.379+/-439.717 χ^2/NDF:26.5/19

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 385.958+/-447.644 χ^2/NDF:9.0/17

Left: 299.145+/-313.692 χ^2/NDF: 35.5/37

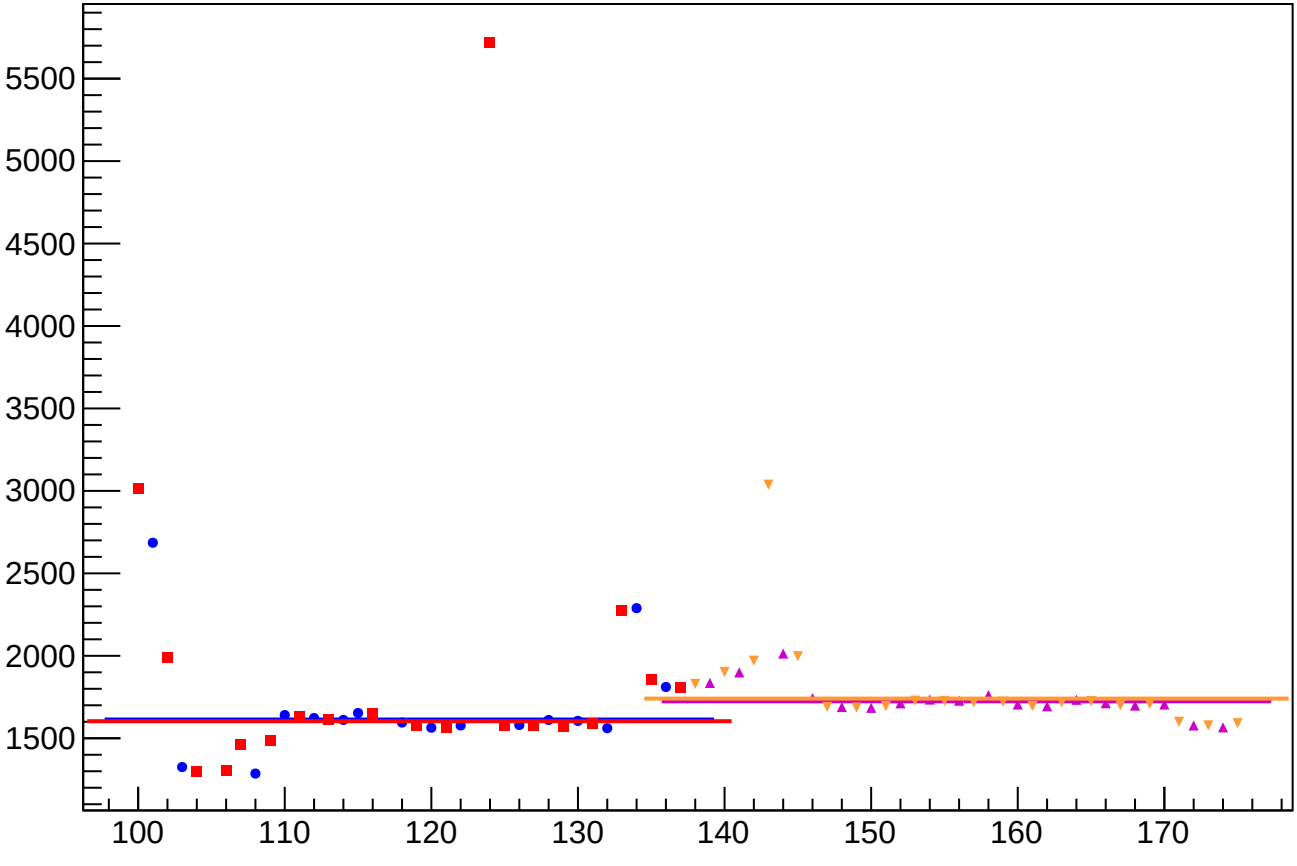
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 659.747+/-360.723 χ^2/NDF:24.5/33

Out: 115.519+/-355.360 χ^2/NDF:44.9/38

All: 383.557+/-253.152 χ^2/NDF: 70.5/72

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

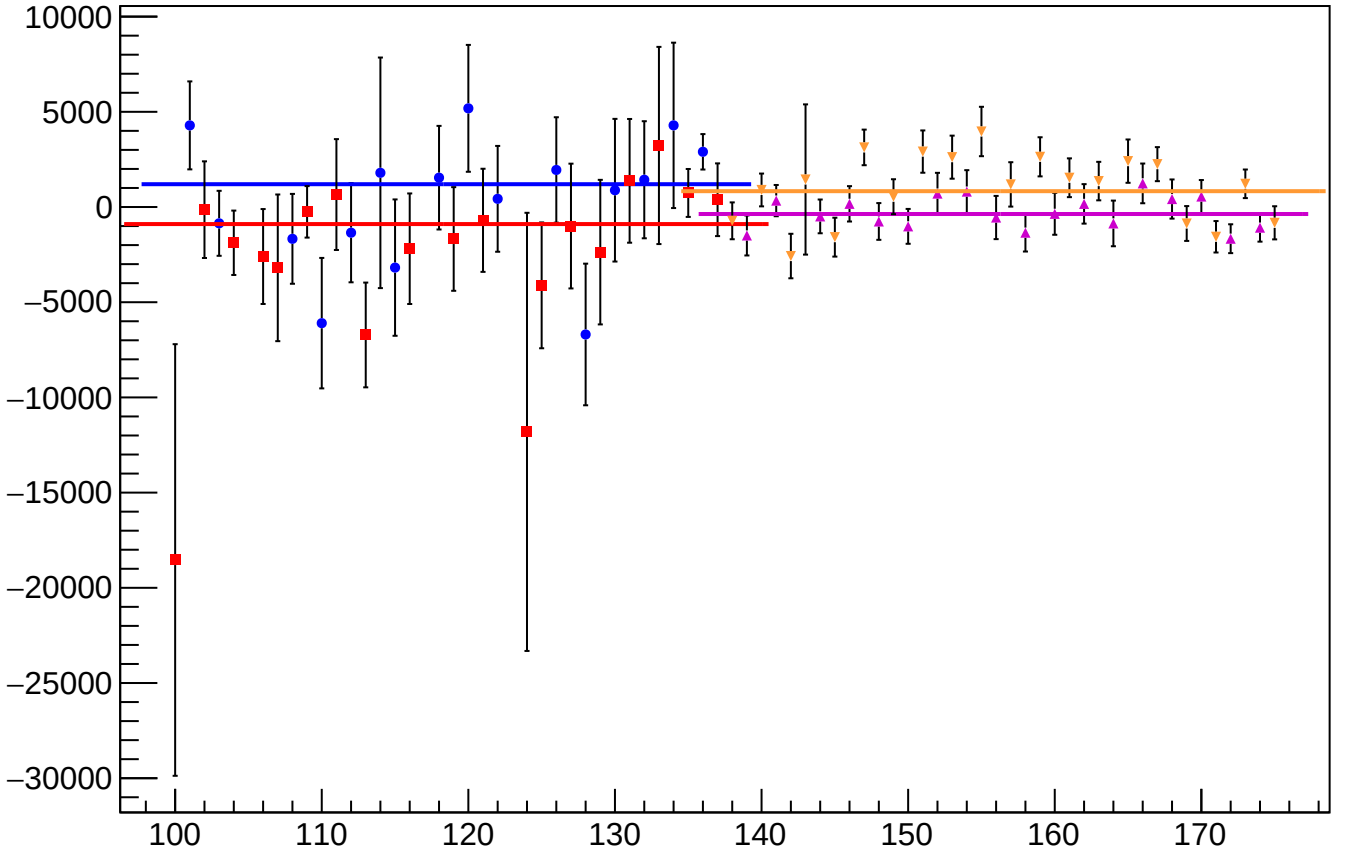
Left: 1732.503+/-0.222 χ^2/NDF: 499859.3/37

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1685.376+/-0.255 χ^2/NDF:541483.9/33

Out: 1693.041+/-0.251 χ^2/NDF:897638.0/38

All: 1689.266+/-0.179 χ^2/NDF: 1439580.2/72



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -367.235+/-224.962 χ^2/NDF:14.4/17

Left: 237.370+/-158.397 χ^2/NDF: 87.5/37

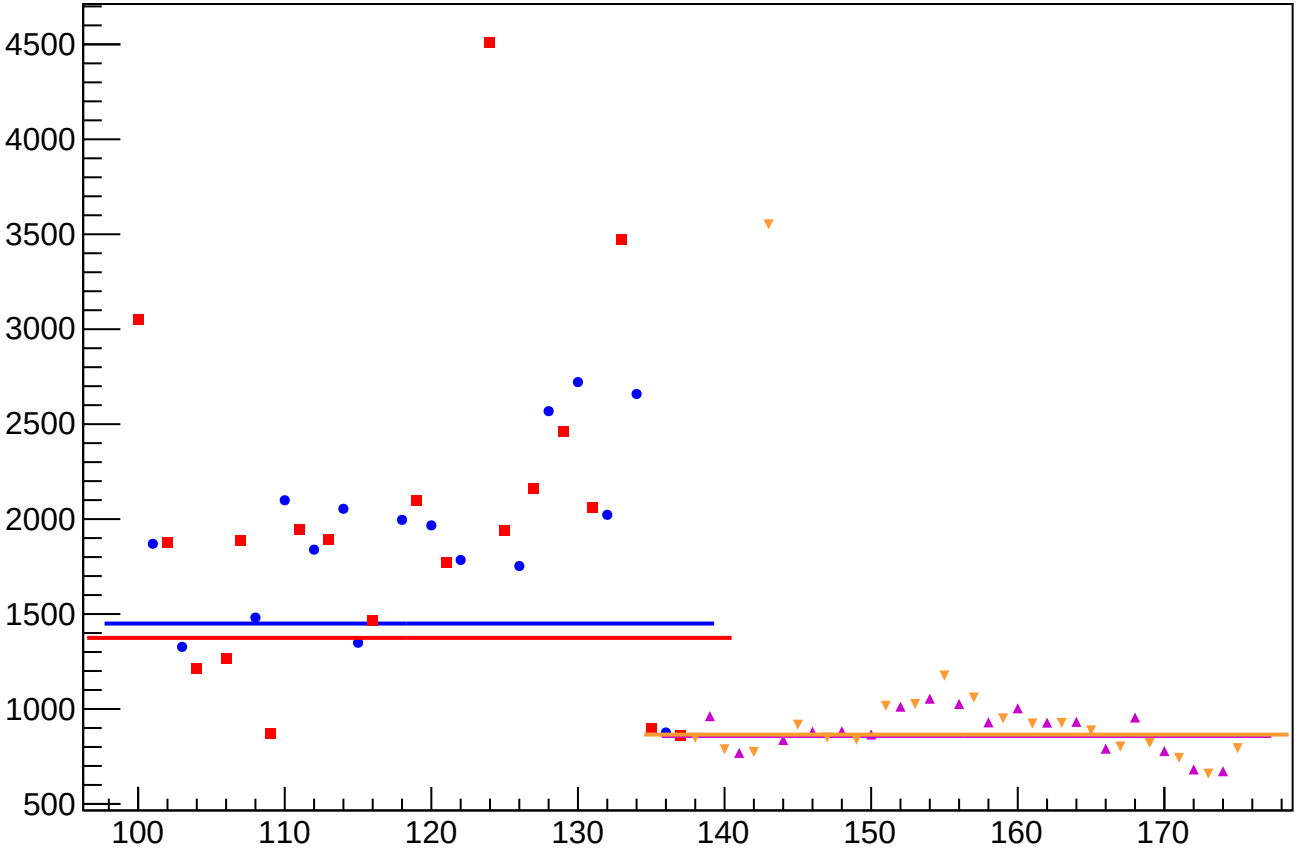
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -161.426+/-209.655 χ^2/NDF:42.4/33

Out: 592.837+/-207.059 χ^2/NDF:81.4/38

All: 220.404+/-147.322 χ^2/NDF: 130.3/72

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

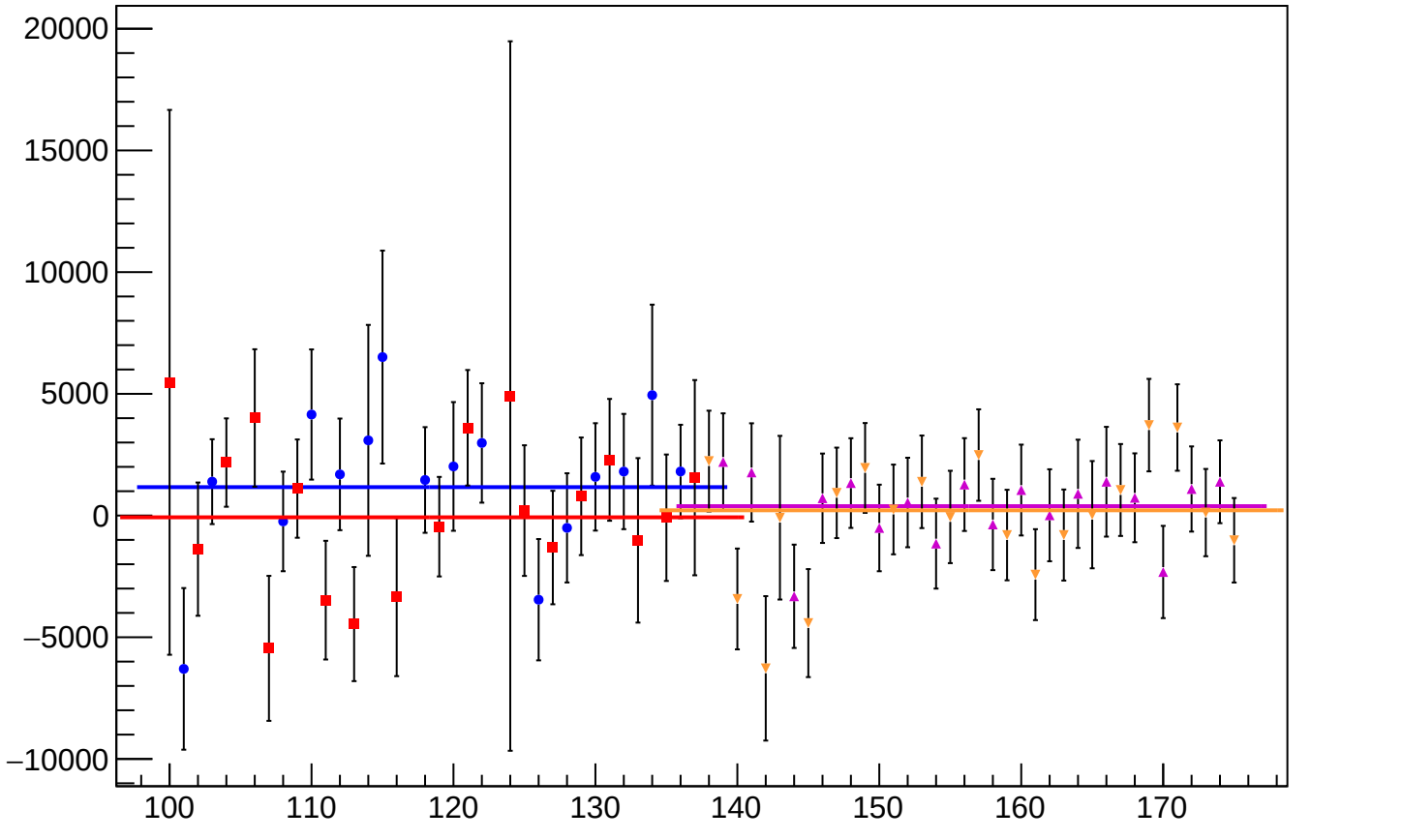
Left: 861.635+/-0.112 χ^2/NDF: 1998932.9/37

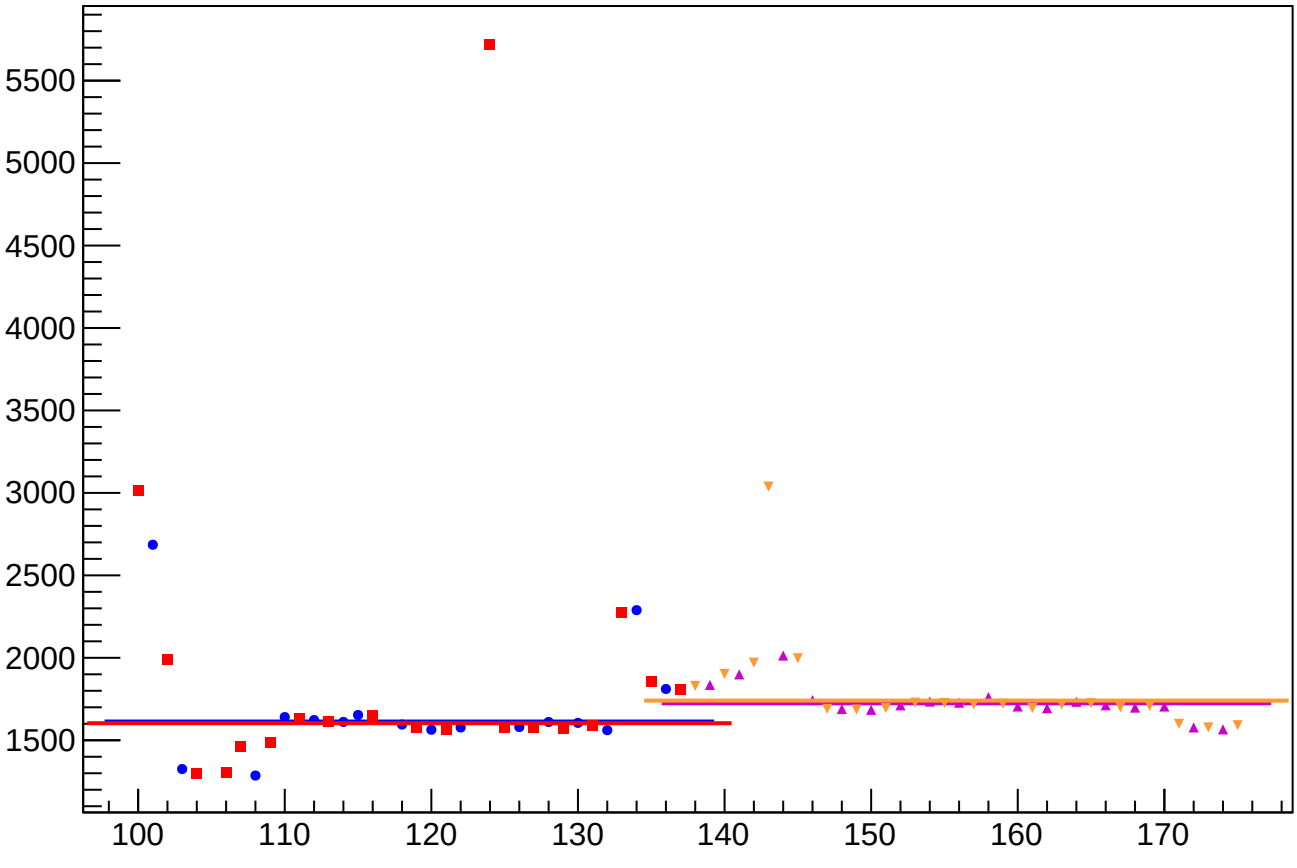
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 935.752+/-0.148 χ^2/NDF:4147117.5/33

Out: 935.725+/-0.146 χ^2/NDF:5033605.7/38

All: 935.738+/-0.104 χ^2/NDF: 9180723.2/72


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: 215.379+/-439.717 χ²/NDF:26.5/19
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 385.958+/-447.644 χ²/NDF:9.0/17
Left: 299.145+/-313.692 χ²/NDF: 35.5/37
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 659.747+/-360.723 χ²/NDF:24.5/33
Out: 115.519+/-355.360 χ²/NDF:44.9/38
All: 383.557+/-253.152 χ²/NDF: 70.5/72



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

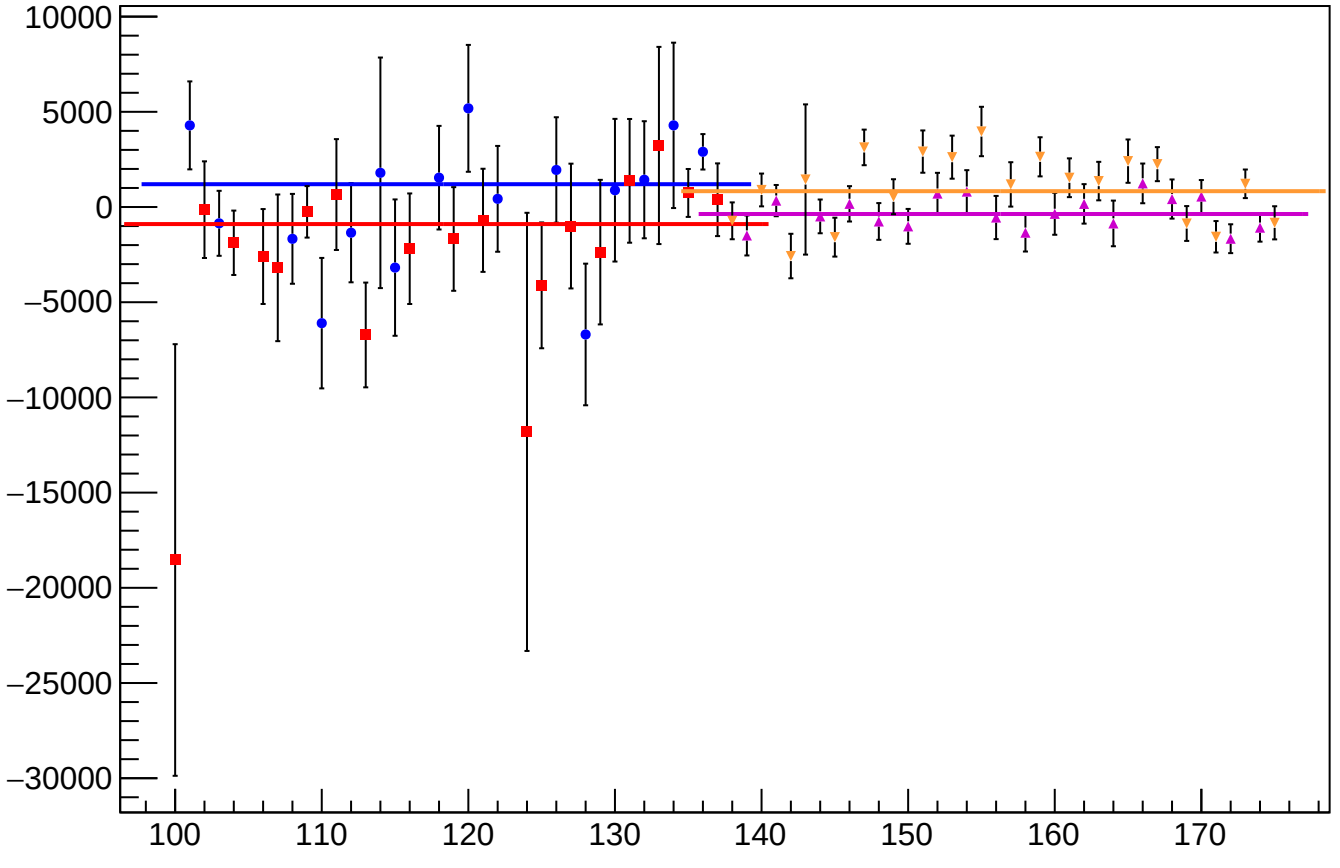
Left: 1732.503+/-0.222 χ^2/NDF: 499859.3/37

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1685.376+/-0.255 χ^2/NDF:541483.9/33

Out: 1693.041+/-0.251 χ^2/NDF:897638.0/38

All: 1689.266+/-0.179 χ^2/NDF: 1439580.2/72



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -367.235+/-224.962 χ^2/NDF:14.4/17

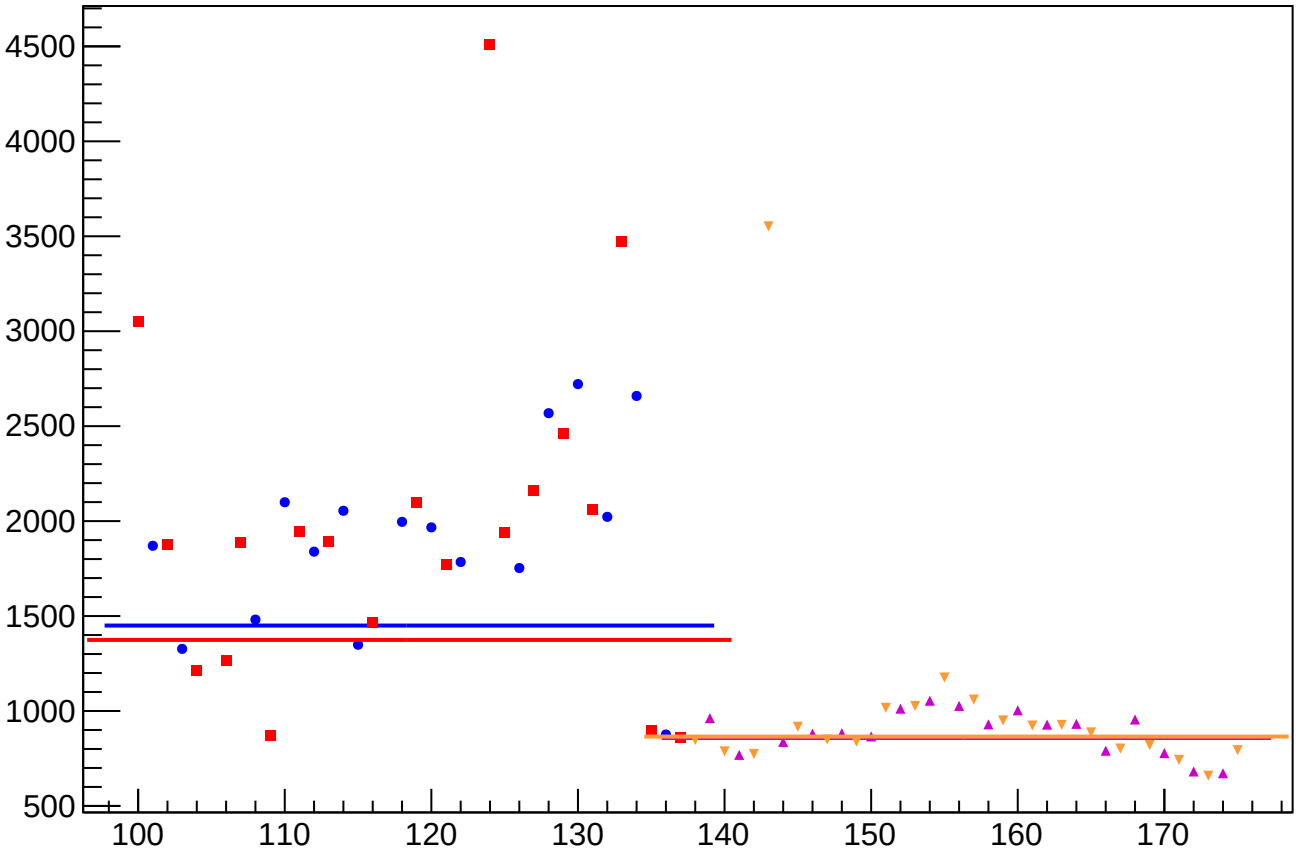
Left: 237.370+/-158.397 χ^2/NDF: 87.5/37

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -161.426+/-209.655 χ^2/NDF:42.4/33

Out: 592.837+/-207.059 χ^2/NDF:81.4/38

All: 220.404+/-147.322 χ^2/NDF: 130.3/72



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

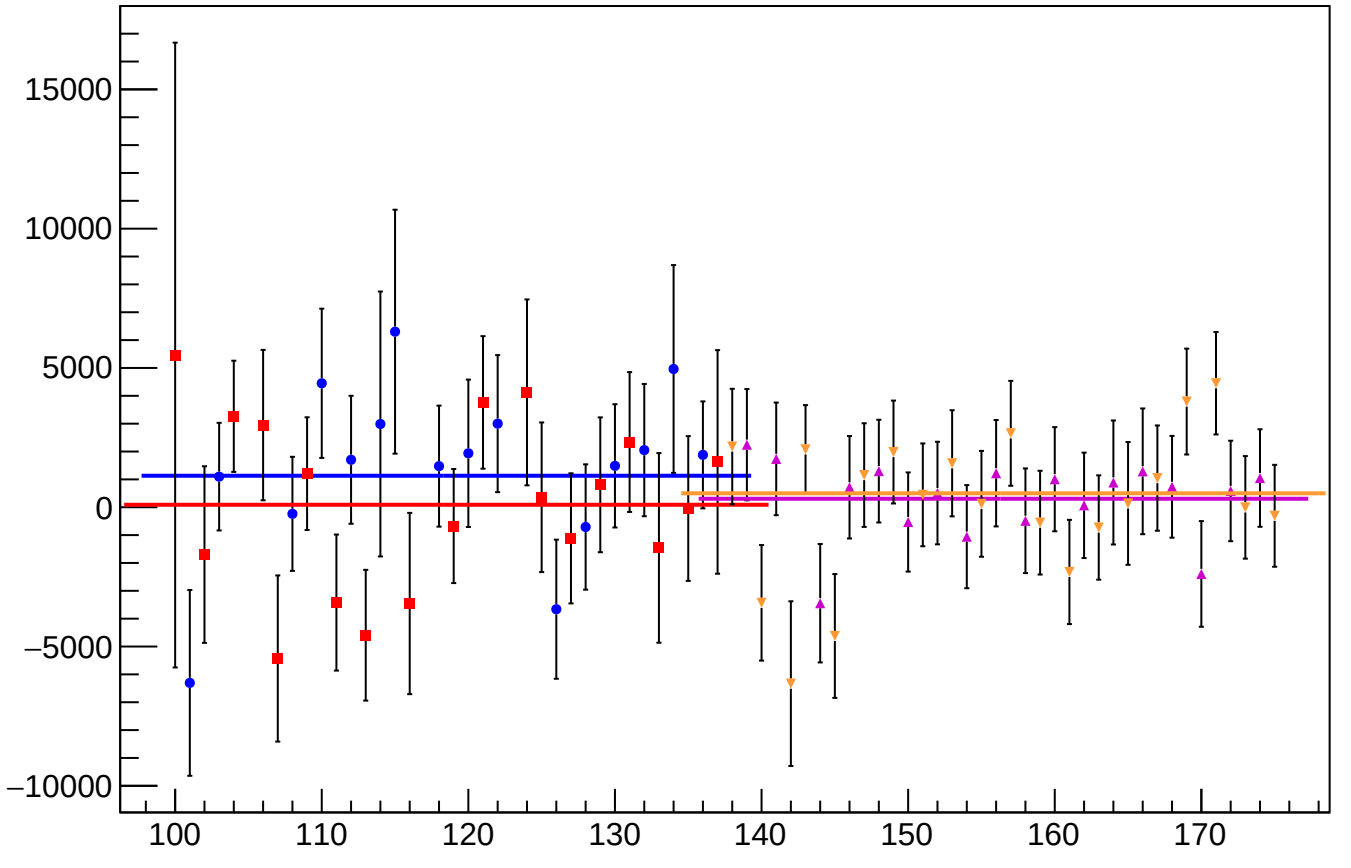
Left: 861.635+/-0.112 χ^2/NDF: 1998932.9/37

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 935.752+/-0.148 χ^2/NDF:4147117.5/33

Out: 935.725+/-0.146 χ^2/NDF:5033605.7/38

All: 935.738+/-0.104 χ^2/NDF: 9180723.2/72



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.078+/-430.298 χ^2/NDF:29.4/19

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 304.774+/-449.843 χ^2/NDF:8.8/17

Left: 406.761+/-310.947 χ^2/NDF: 38.2/37

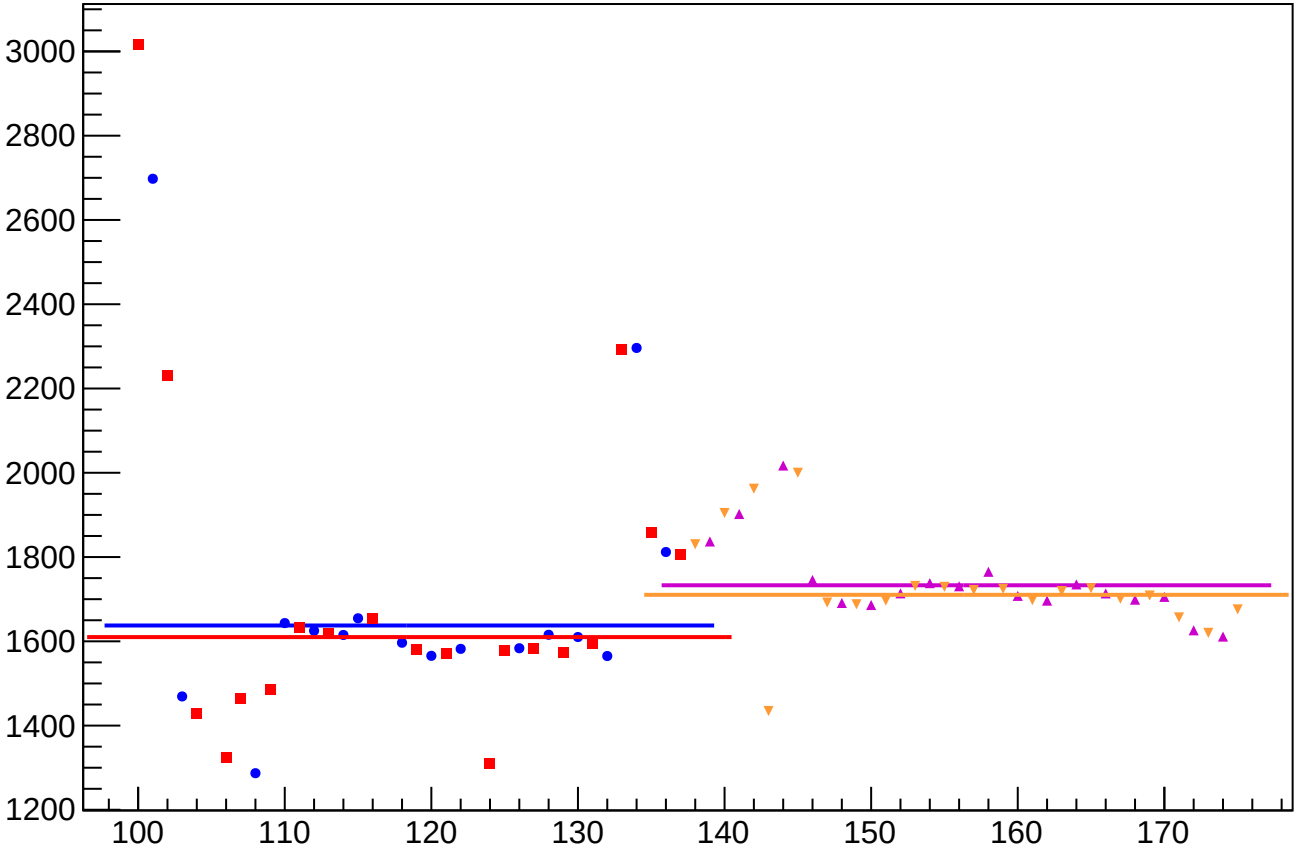
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 591.294+/-363.539 χ^2/NDF:24.9/33

Out: 361.474+/-350.276 χ^2/NDF:50.3/38

All: 472.116+/-252.241 χ^2/NDF: 75.5/72

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141795.4/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1733.020+/-0.318 χ^2/NDF:77552.5/17

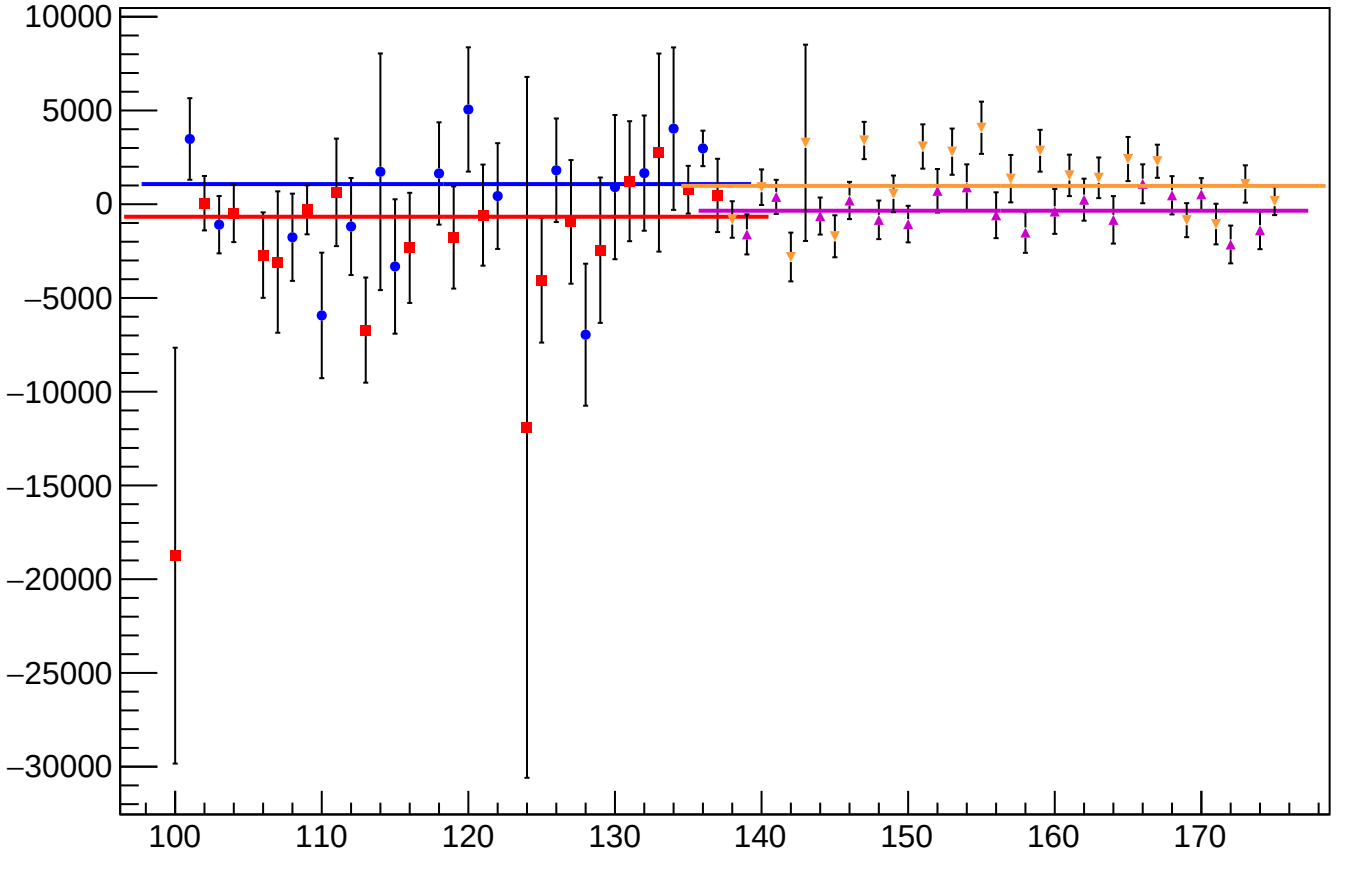
Left: 1721.187+/-0.220 χ^2/NDF: 221998.3/37

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1699.910+/-0.257 χ^2/NDF:470203.7/33

Out: 1676.517+/-0.248 χ^2/NDF:459278.2/38

All: 1687.779+/-0.178 χ^2/NDF: 933776.5/72



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 978.529+/-239.003 χ^2/NDF:50.1/19

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -347.314+/-247.133 χ^2/NDF:14.5/17

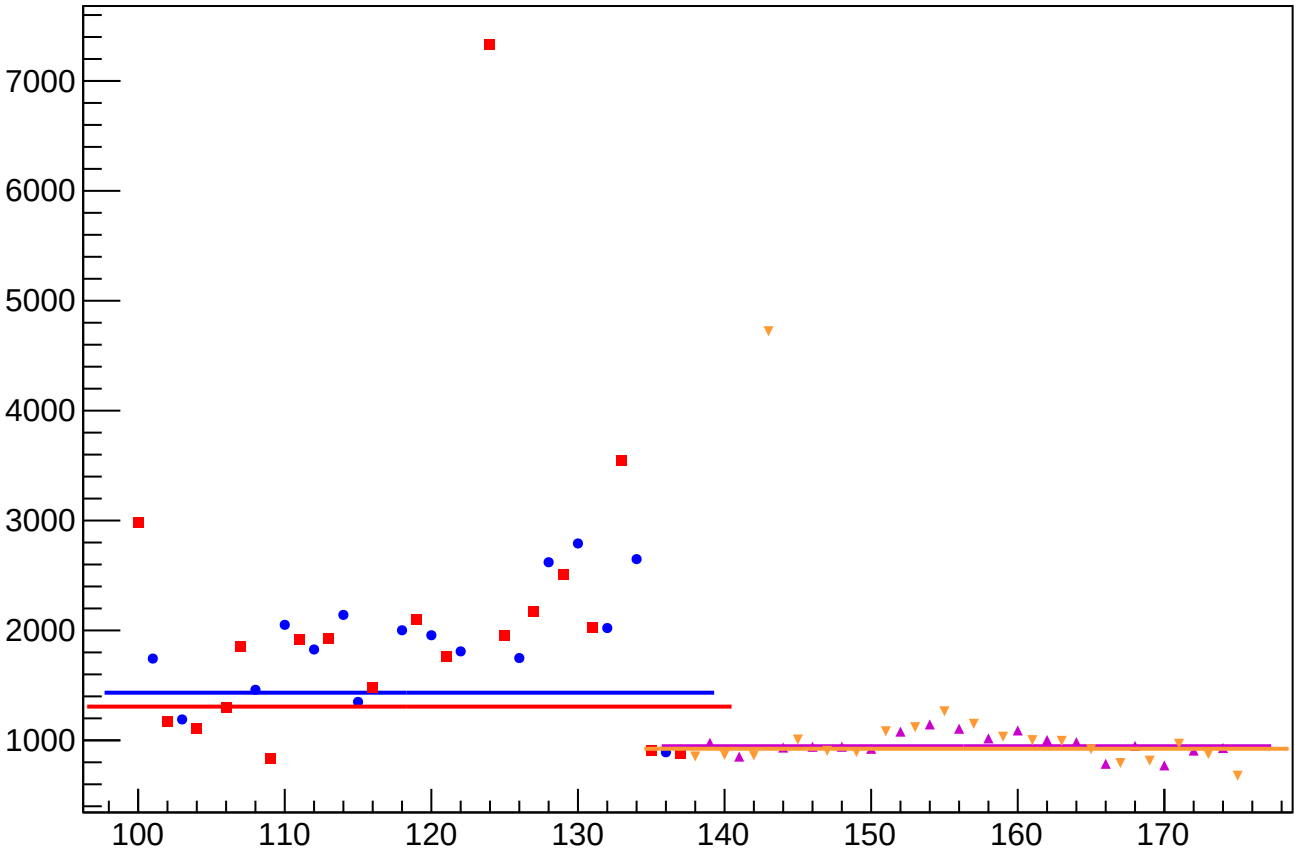
Left: 337.776+/-171.803 χ^2/NDF: 79.5/37

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -123.540+/-226.840 χ^2/NDF:41.8/33

Out: 694.547+/-217.414 χ^2/NDF:71.8/38

All: 302.853+/-156.962 χ^2/NDF: 120.4/72



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 923.402+/-0.169 χ^2/NDF:1694329.3/19

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 946.295+/-0.175 χ^2/NDF:315372.4/17

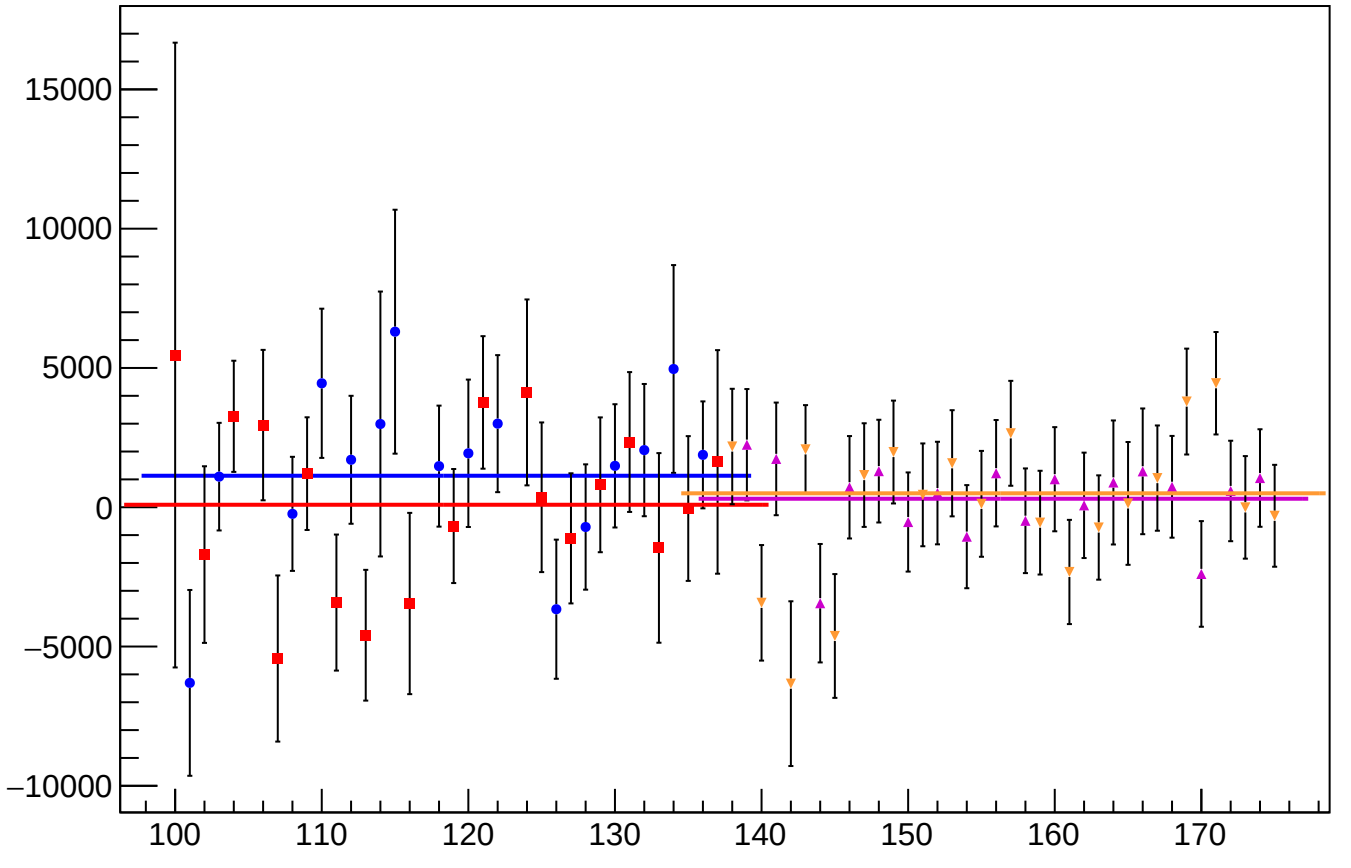
Left: 934.466+/-0.121 χ^2/NDF: 2018570.0/37

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1023.019+/-0.160 χ^2/NDF:3302893.0/33

Out: 989.548+/-0.154 χ^2/NDF:4766322.3/38

All: 1005.574+/-0.111 χ^2/NDF: 8091911.1/72



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.073+/-430.298 χ^2/NDF:29.4/19

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 304.775+/-449.843 χ^2/NDF:8.8/17

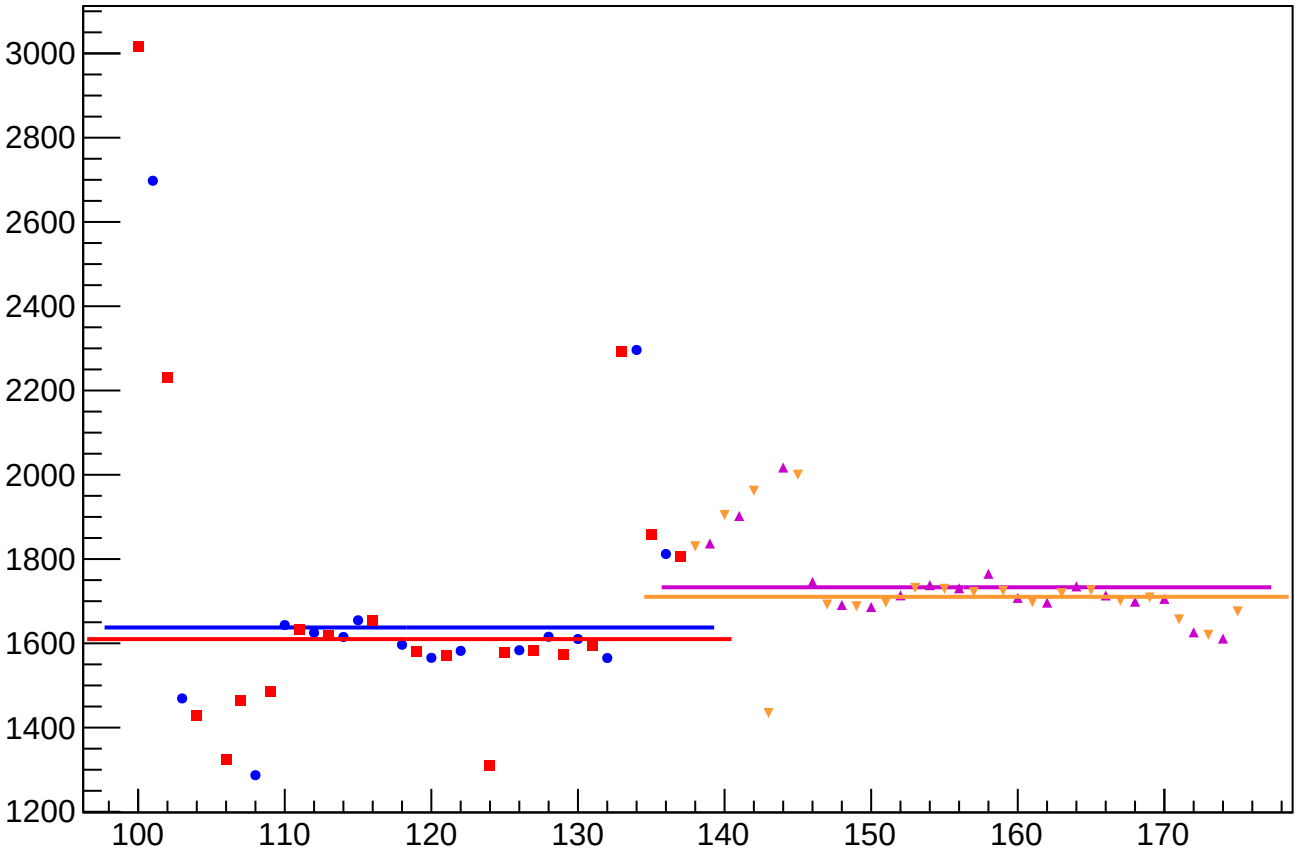
Left: 406.759+/-310.947 χ^2/NDF: 38.2/37

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 591.296+/-363.539 χ^2/NDF:24.9/33

Out: 361.473+/-350.276 χ^2/NDF:50.3/38

All: 472.115+/-252.241 χ^2/NDF: 75.5/72



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141794.7/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1733.020+/-0.318 χ^2/NDF:77553.0/17

Left: 1721.187+/-0.220 χ^2/NDF: 221998.1/37

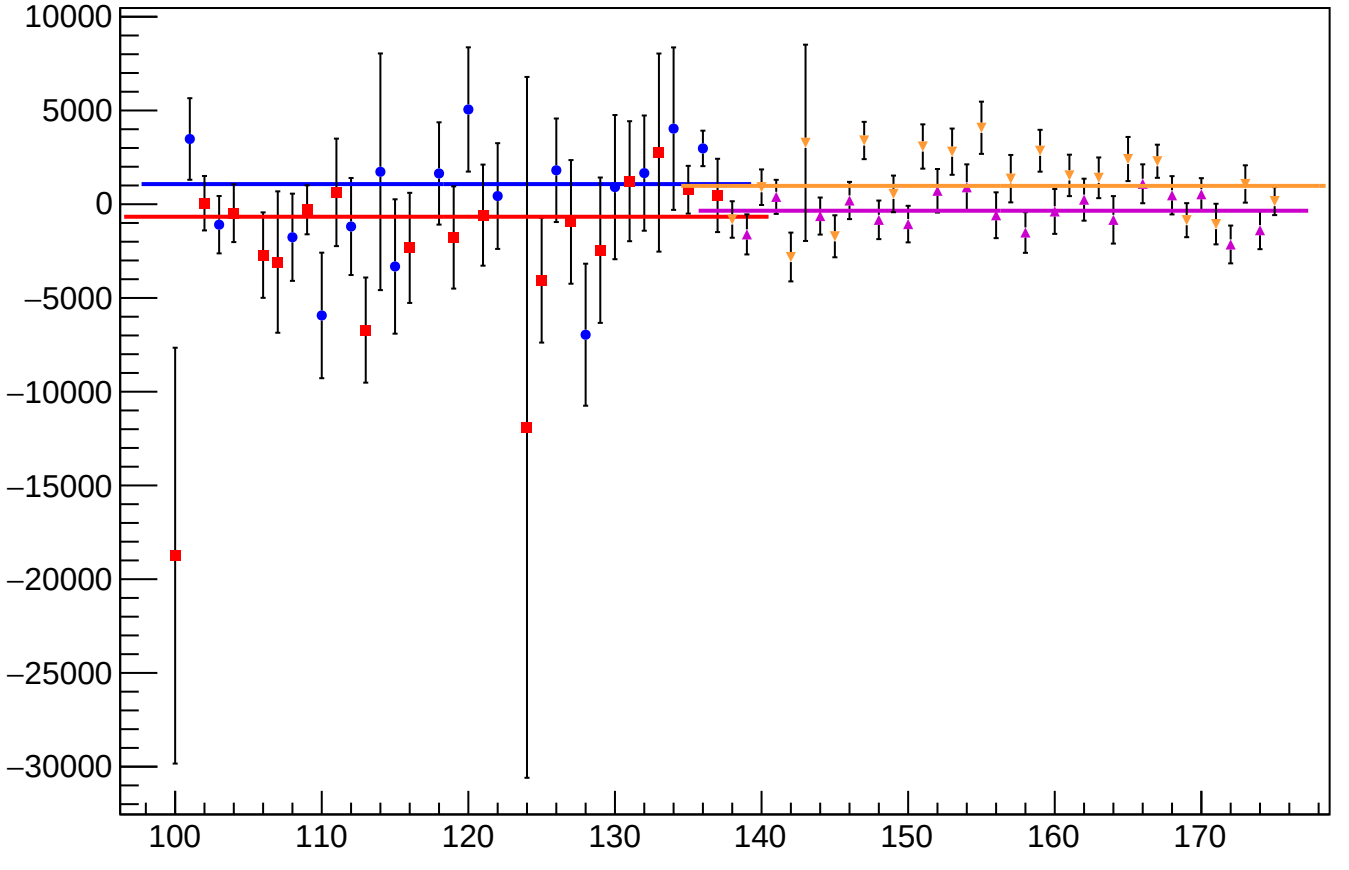
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1699.910+/-0.257 χ^2/NDF:470203.9/33

Out: 1676.517+/-0.248 χ^2/NDF:459277.8/38

All: 1687.779+/-0.178 χ^2/NDF: 933776.2/72

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 978.534+/-239.003 χ^2/NDF:50.1/19

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -347.311+/-247.133 χ^2/NDF:14.5/17

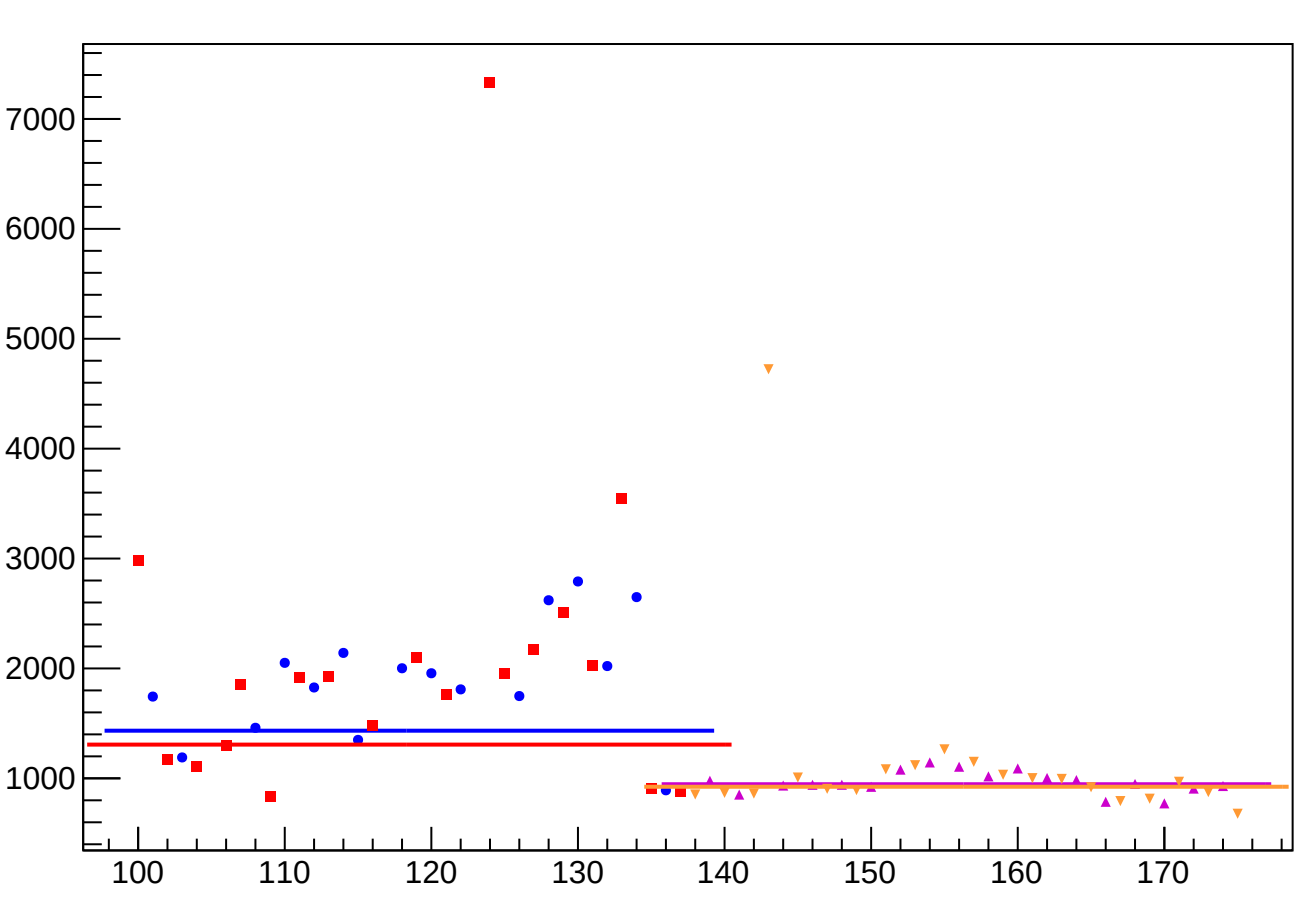
Left: 337.779+/-171.803 χ^2/NDF: 79.5/37

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -123.543+/-226.840 χ^2/NDF:41.8/33

Out: 694.552+/-217.415 χ^2/NDF:71.8/38

All: 302.854+/-156.962 χ^2/NDF: 120.4/72



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 923.403+/-0.169 χ^2/NDF:1694317.0/19

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 946.294+/-0.175 χ^2/NDF:315376.8/17

Left: 934.466+/-0.121 χ^2/NDF: 2018560.8/37

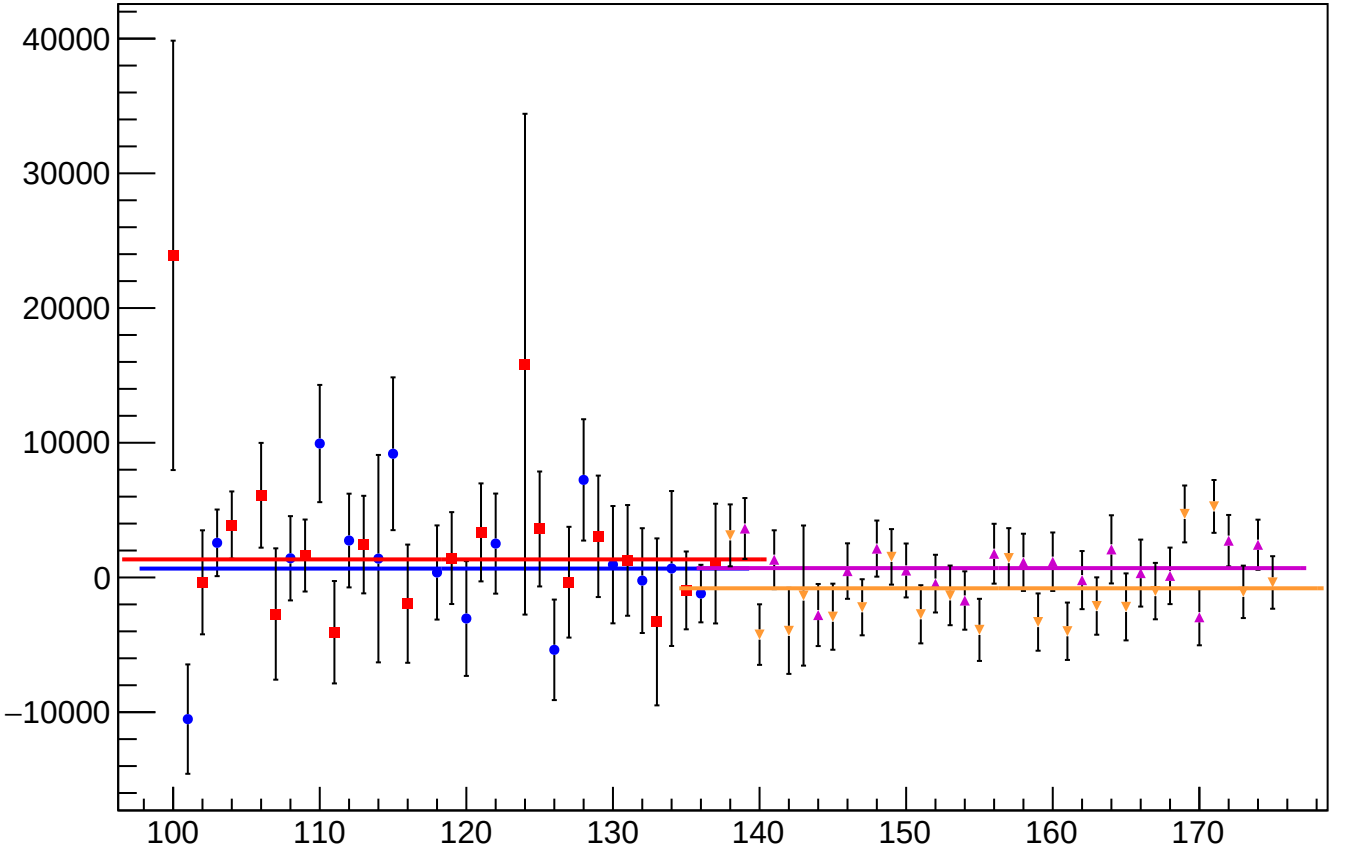
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1023.020+/-0.160 χ^2/NDF:3302870.0/33

Out: 989.550+/-0.154 χ^2/NDF:4766285.3/38

All: 1005.575+/-0.111 χ^2/NDF: 8091849.0/72

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -803.248+/-498.326 χ^2/NDF:33.2/19

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 693.460+/-504.442 χ^2/NDF:12.0/17

Left: -64.022+/-354.512 χ^2/NDF: 49.7/37

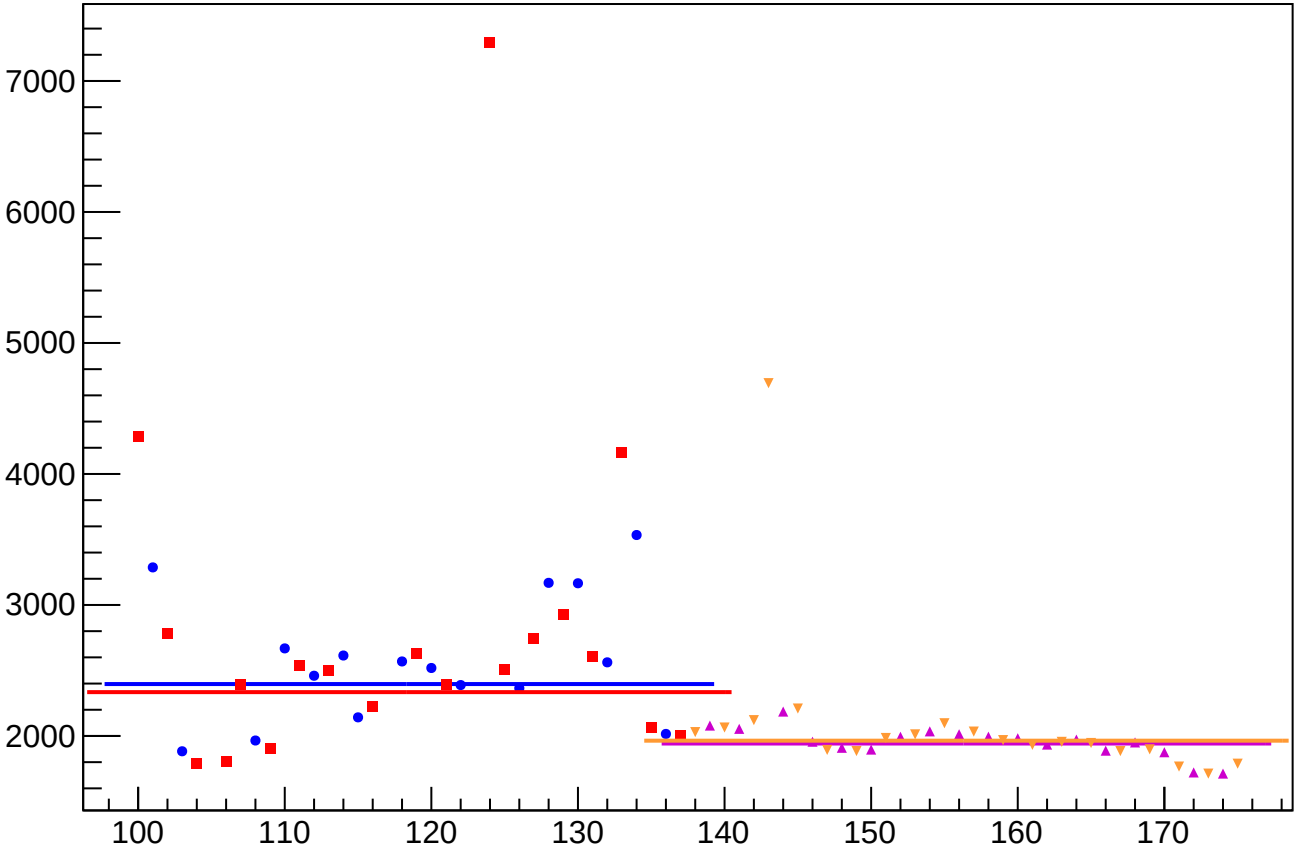
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 685.462+/-441.142 χ^2/NDF:34.0/33

Out: -291.726+/-434.875 χ^2/NDF:48.5/38

All: 189.878+/-309.695 χ^2/NDF: 85.0/72

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1963.979+/-0.352 χ^2/NDF:671526.1/19

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1942.304+/-0.357 χ^2/NDF:105915.1/17

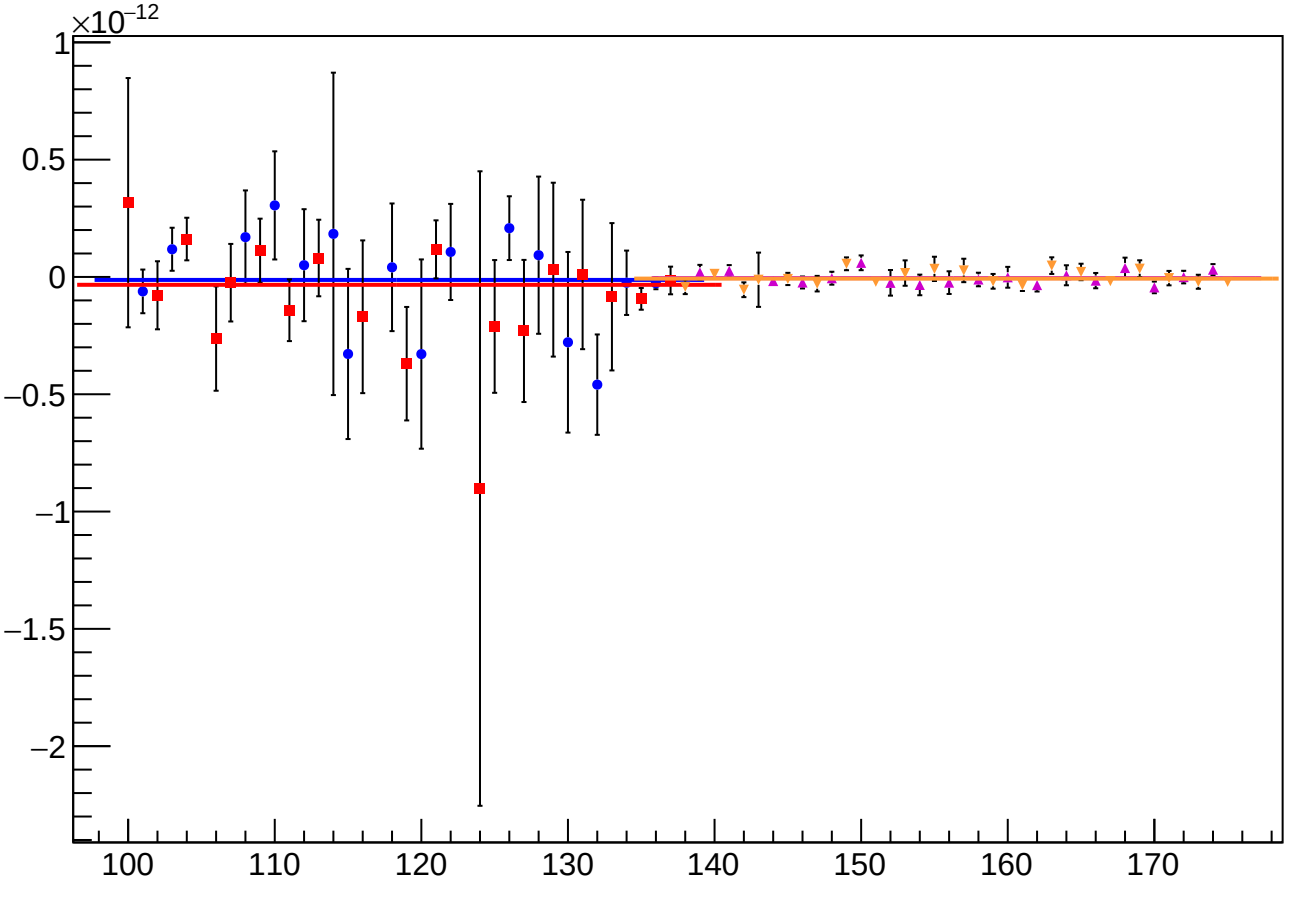
Left: 1953.274+/-0.251 χ^2/NDF: 779310.1/37

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2049.090+/-0.312 χ^2/NDF:994834.6/33

Out: 2052.351+/-0.308 χ^2/NDF:1616871.4/38

All: 2050.744+/-0.219 χ^2/NDF: 2611761.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

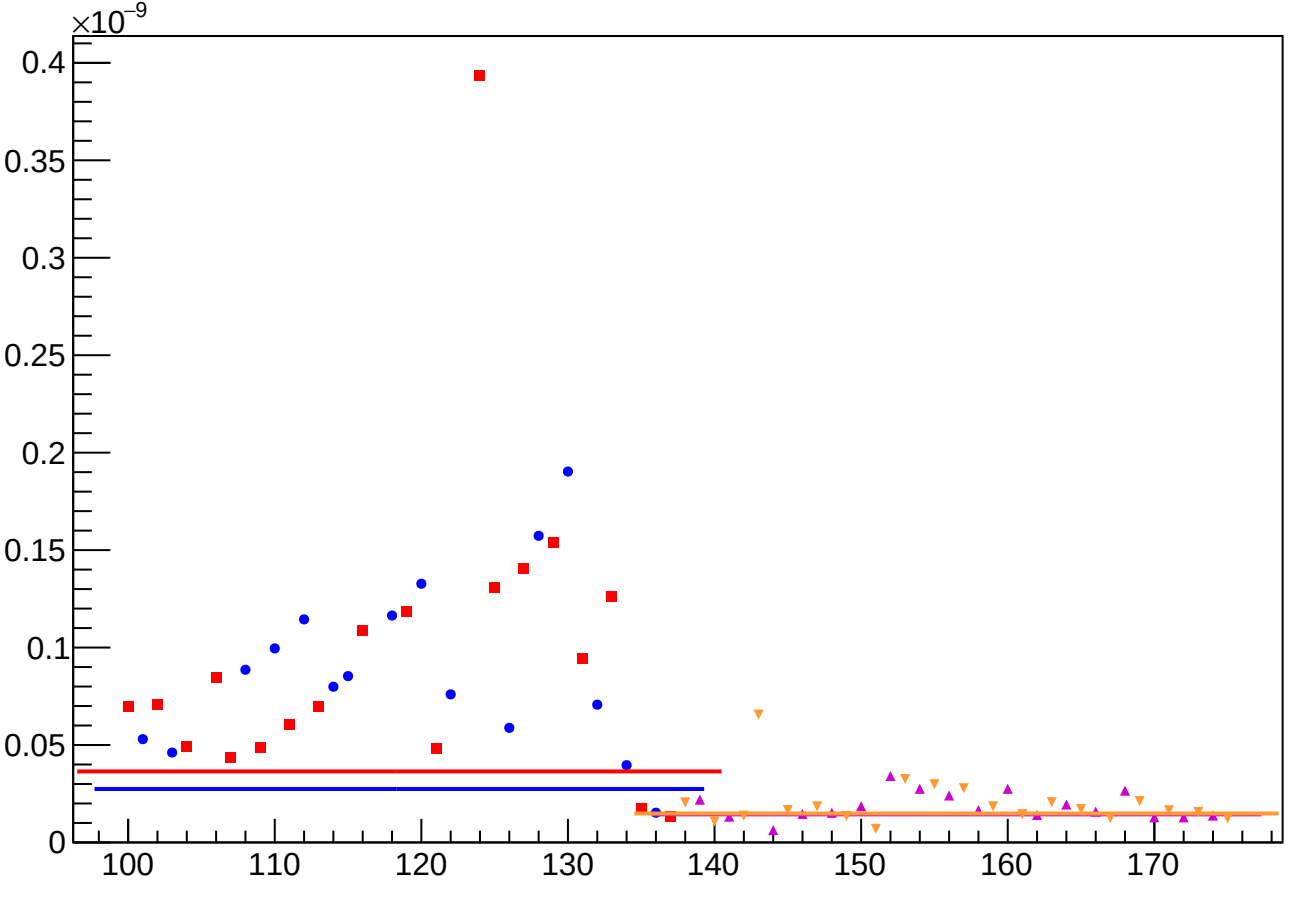
Left: -0.000+/-0.000 χ^2/NDF: 35.0/37

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:30.8/33

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: -0.000+/-0.000 χ^2/NDF: 66.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1683125.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1738616.3/17

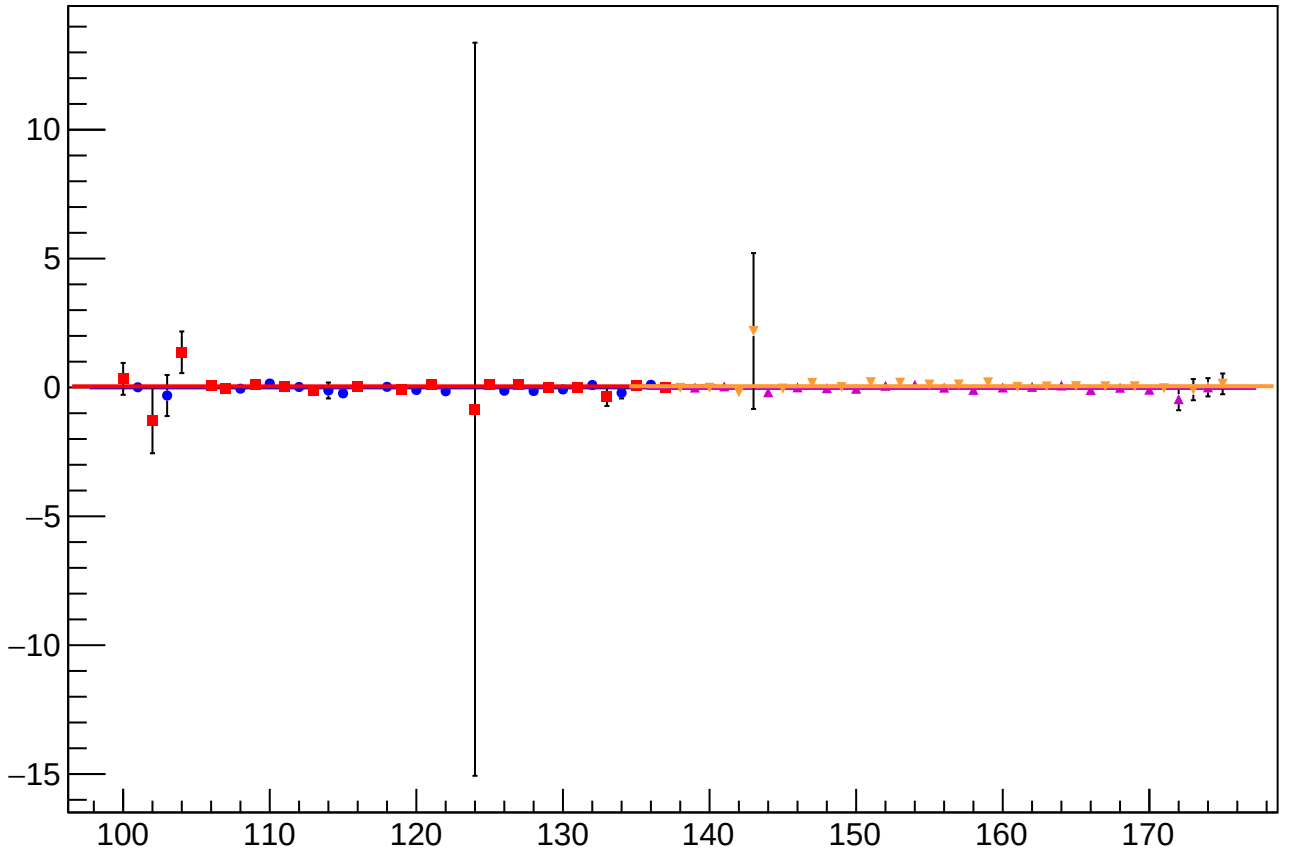
Left: 0.000+/-0.000 χ^2/NDF: 3426454.6/37

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5099449.9/33

Out: 0.000+/-0.000 χ^2/NDF:5256259.4/38

All: 0.000+/-0.000 χ^2/NDF: 10360595.1/72



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

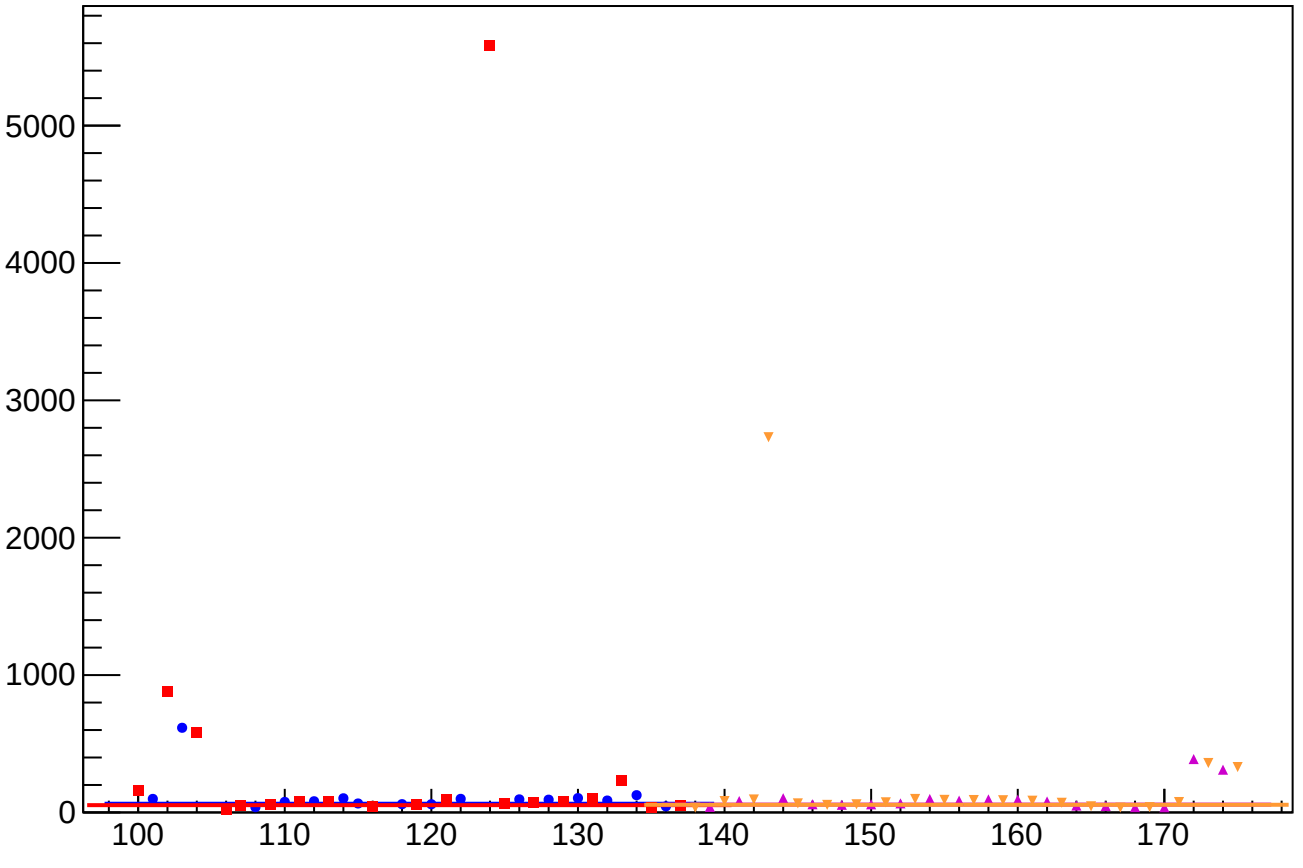
Left: 0.015+/-0.012 χ^2/NDF: 40.8/37

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/72



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

Left: 56.477+/-0.009 χ^2/NDF: 11450180.5/37

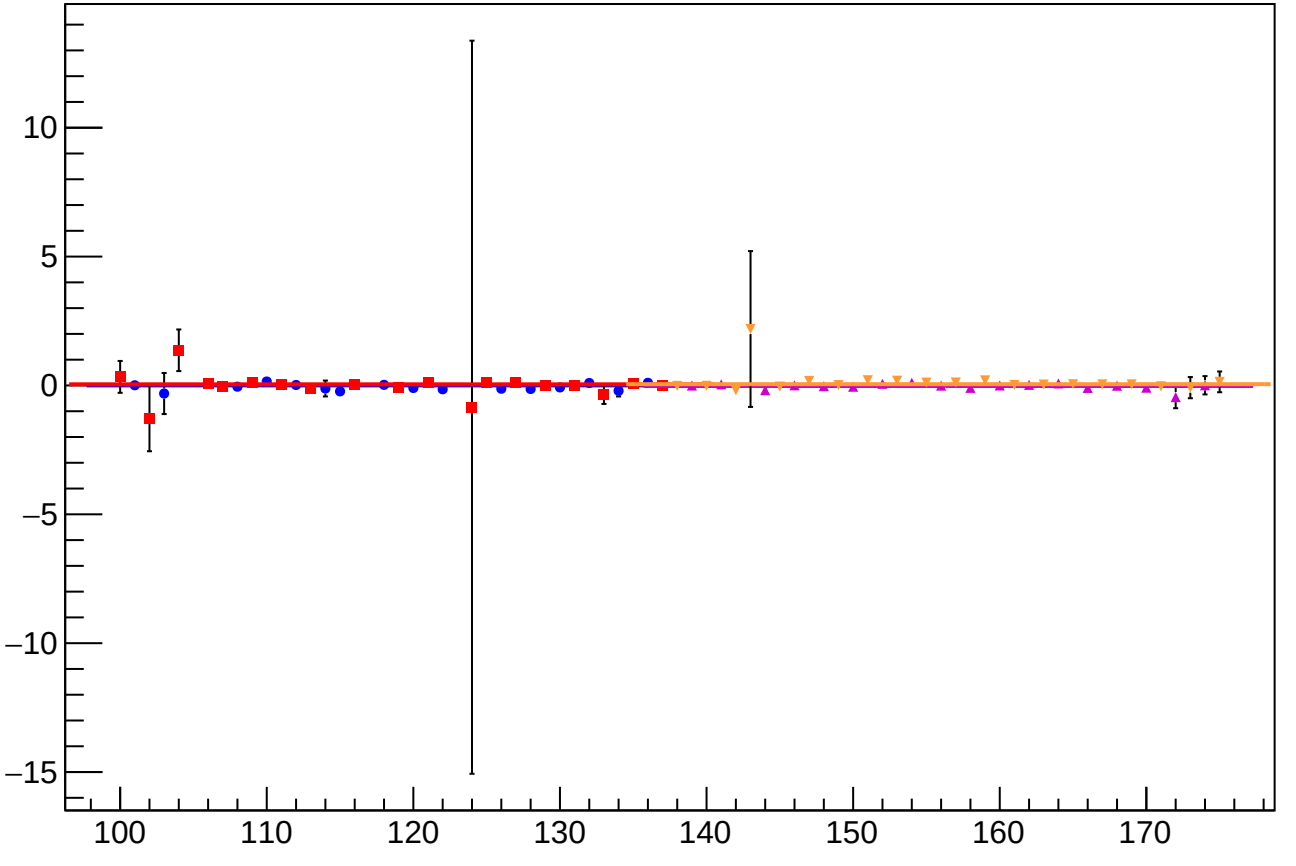
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.903+/-0.010 χ^2/NDF:7387638.4/33

Out: 55.015+/-0.010 χ^2/NDF:10542182.0/38

All: 56.897+/-0.007 χ^2/NDF: 18003902.4/72

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

Left: 0.015+/-0.012 χ^2/NDF: 40.8/37

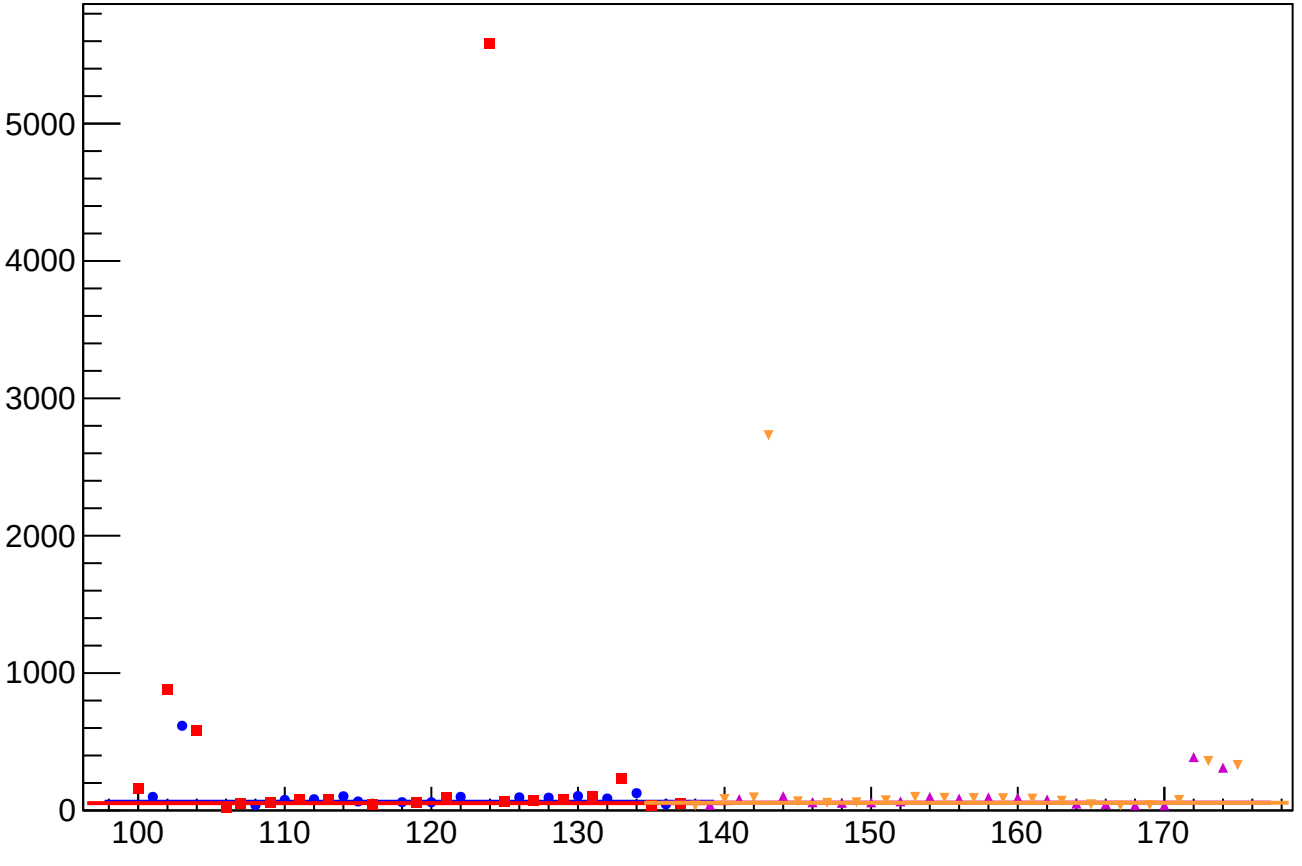
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/72

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

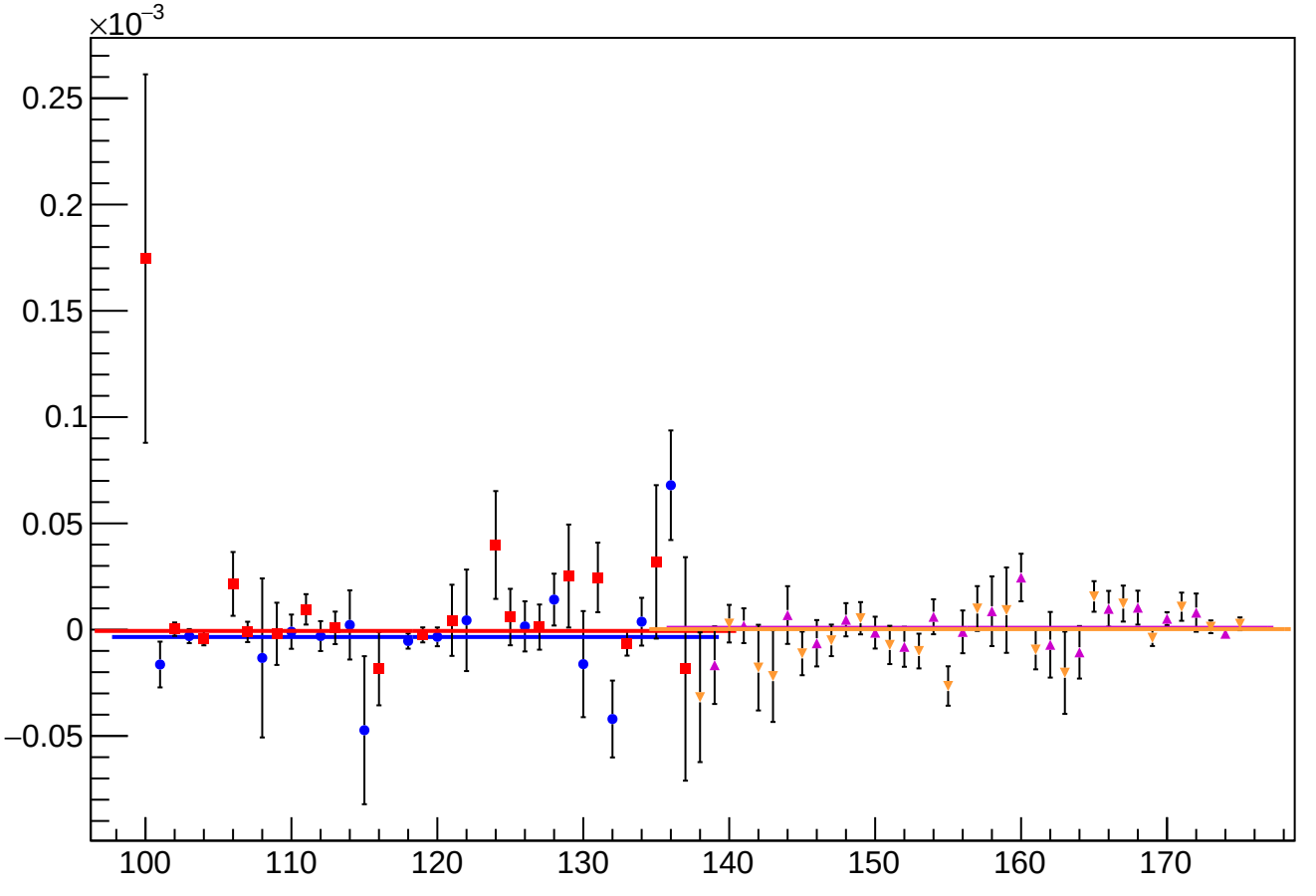
Left: 56.477+/-0.009 χ^2/NDF: 11450180.5/37

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.903+/-0.010 χ^2/NDF:7387638.4/33

Out: 55.015+/-0.010 χ^2/NDF:10542182.0/38

All: 56.897+/-0.007 χ^2/NDF: 18003902.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/17

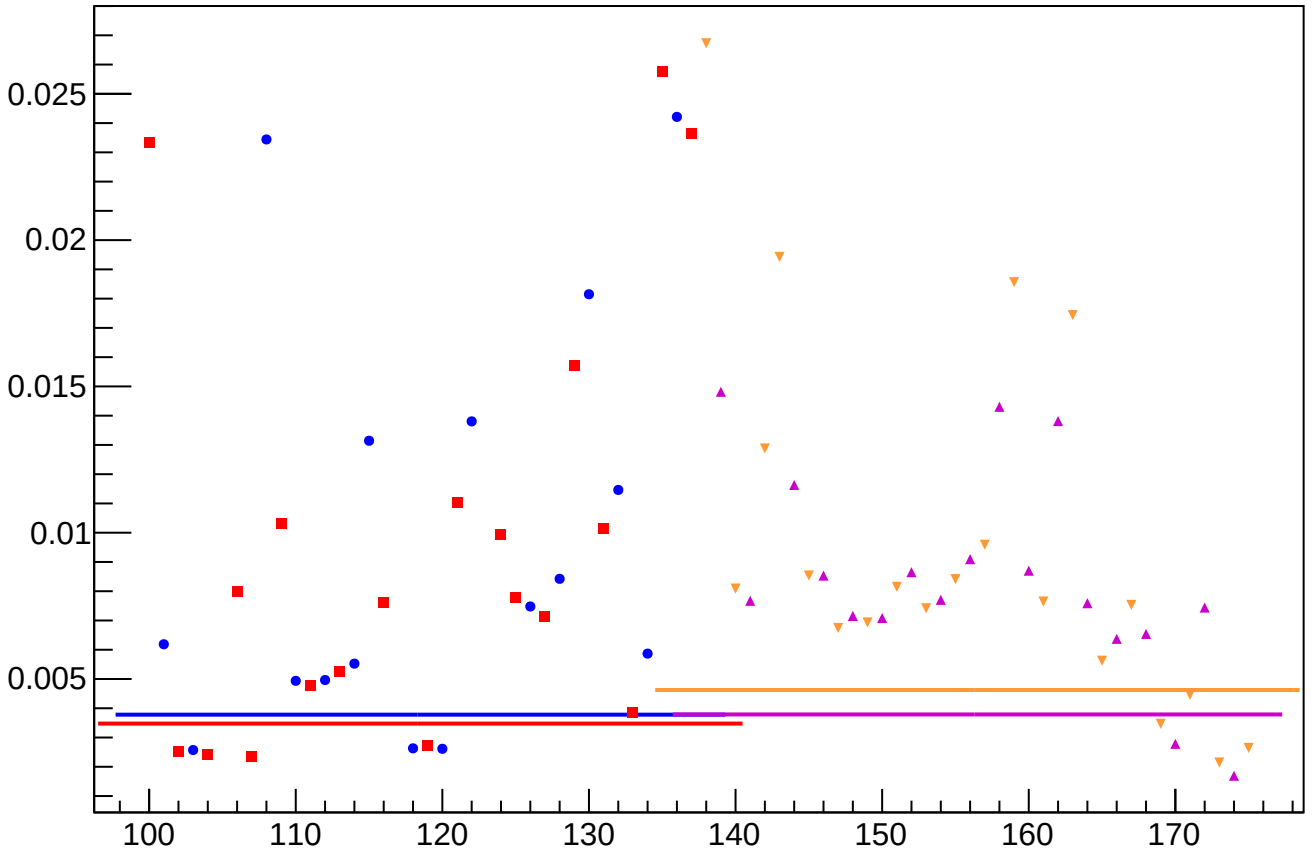
Left: 0.000+/-0.000 χ^2/NDF: 46.7/37

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:39.0/33

Out: -0.000+/-0.000 χ^2/NDF:49.5/38

All: -0.000+/-0.000 χ^2/NDF: 88.5/72



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:9322785.0/19

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:10330843.4/17

Left: 0.004+/-0.000 χ^2/NDF: 20012758.7/37

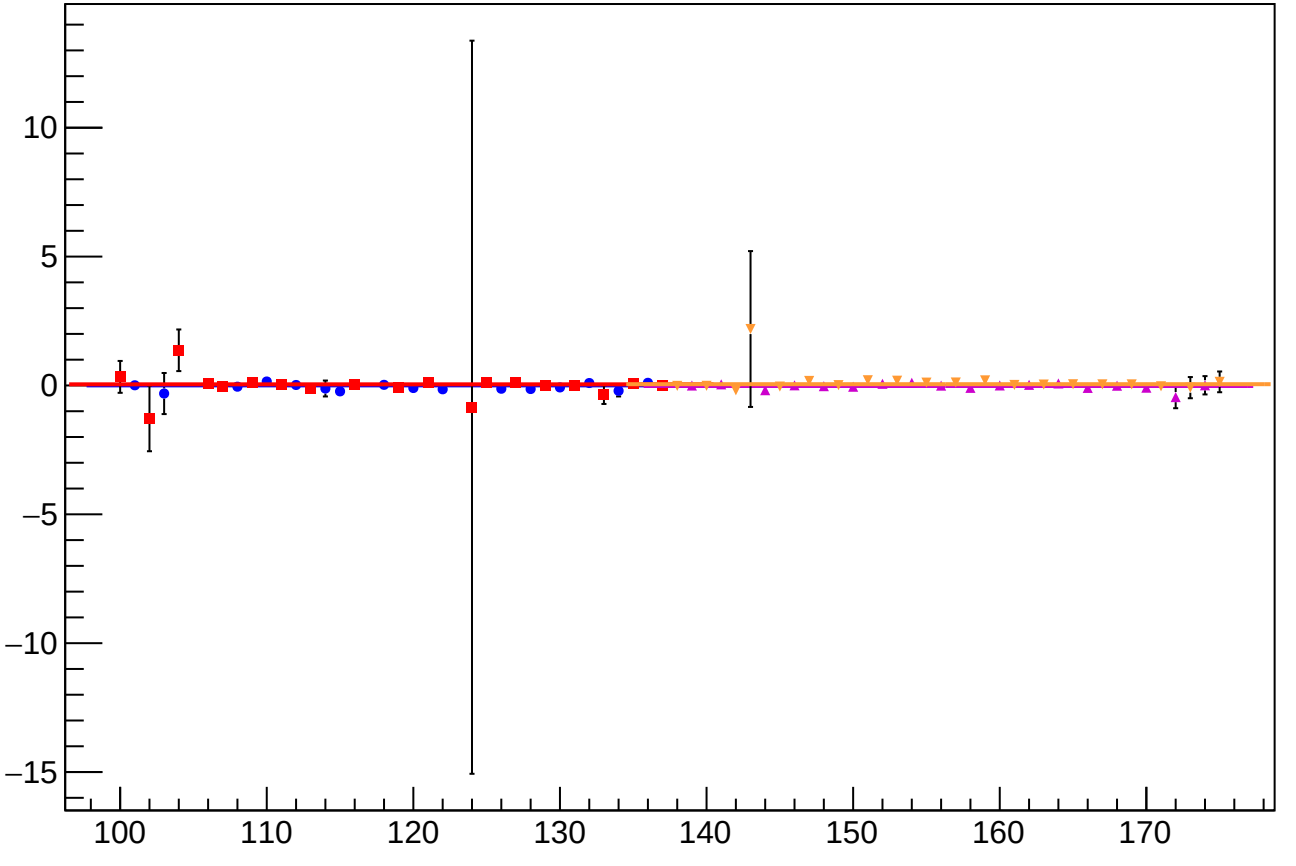
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15050402.0/33

Out: 0.004+/-0.000 χ^2/NDF:14403429.9/38

All: 0.004+/-0.000 χ^2/NDF: 29531767.8/72

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

Left: 0.015+/-0.012 χ^2/NDF: 40.8/37

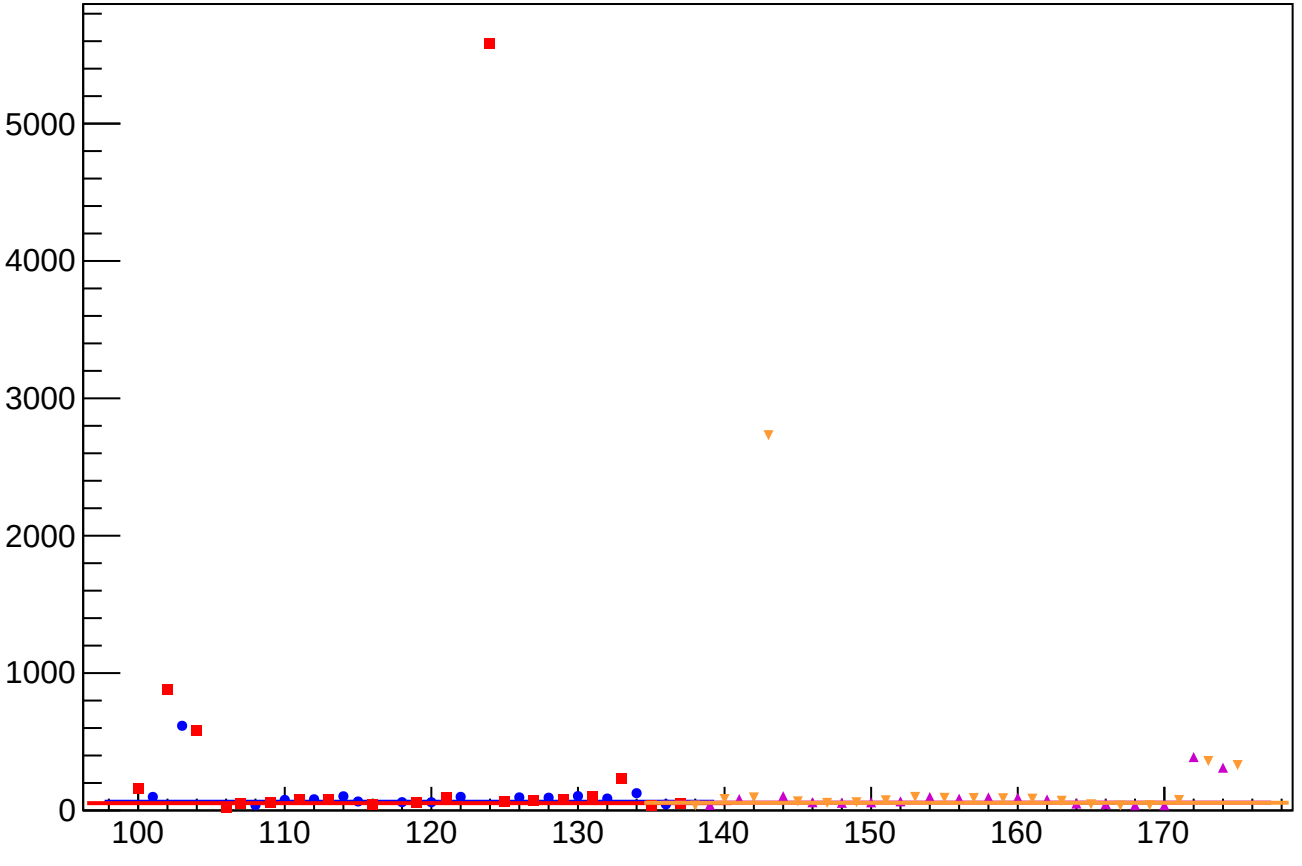
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/72

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.866+/-0.012 χ^2/NDF:6580526.8/19

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

Left: 56.478+/-0.009 χ^2/NDF: 11449473.1/37

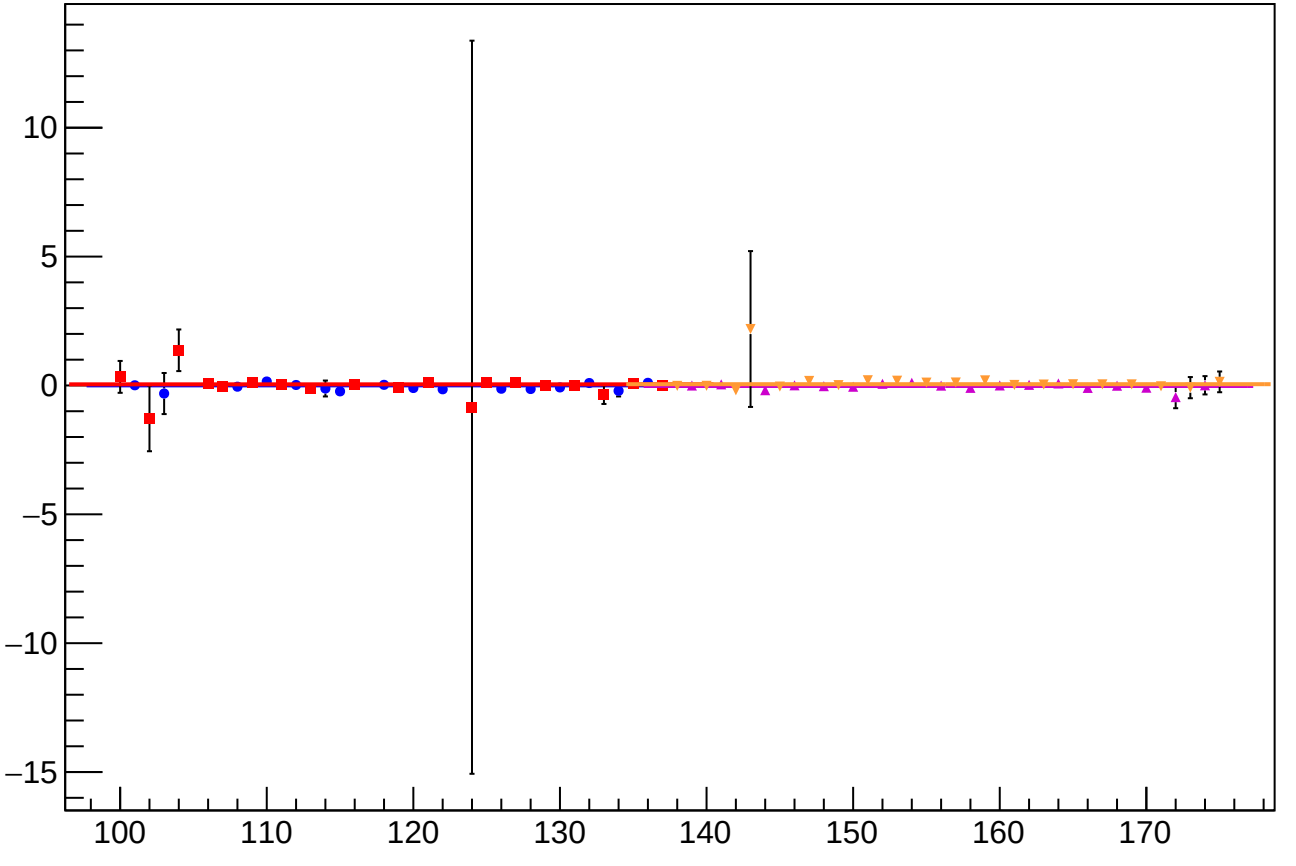
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.907+/-0.010 χ^2/NDF:7386430.2/33

Out: 55.012+/-0.010 χ^2/NDF:10542504.3/38

All: 56.898+/-0.007 χ^2/NDF: 18003260.5/72

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

Left: 0.015+/-0.012 χ^2/NDF: 40.8/37

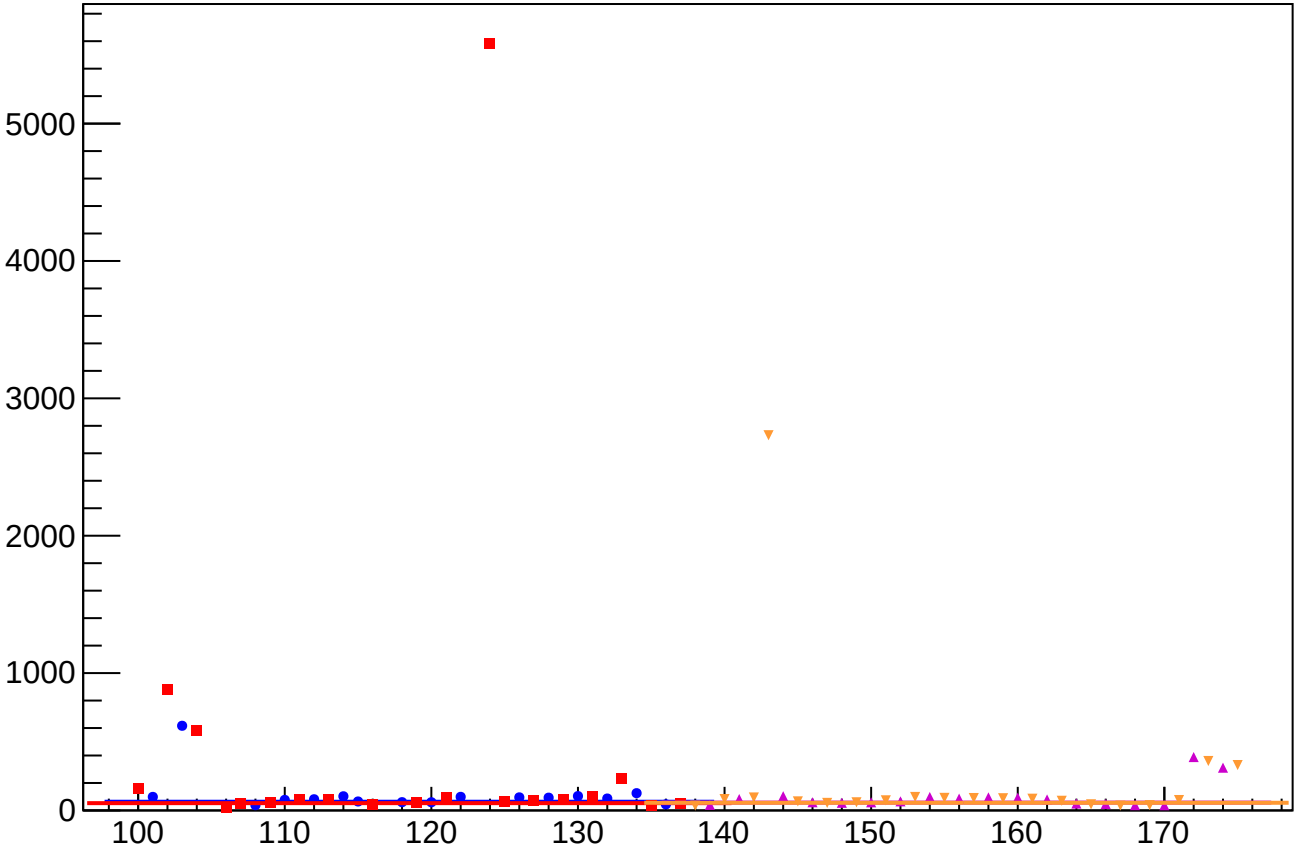
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/72

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.866+/-0.012 χ^2/NDF:6580526.8/19

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

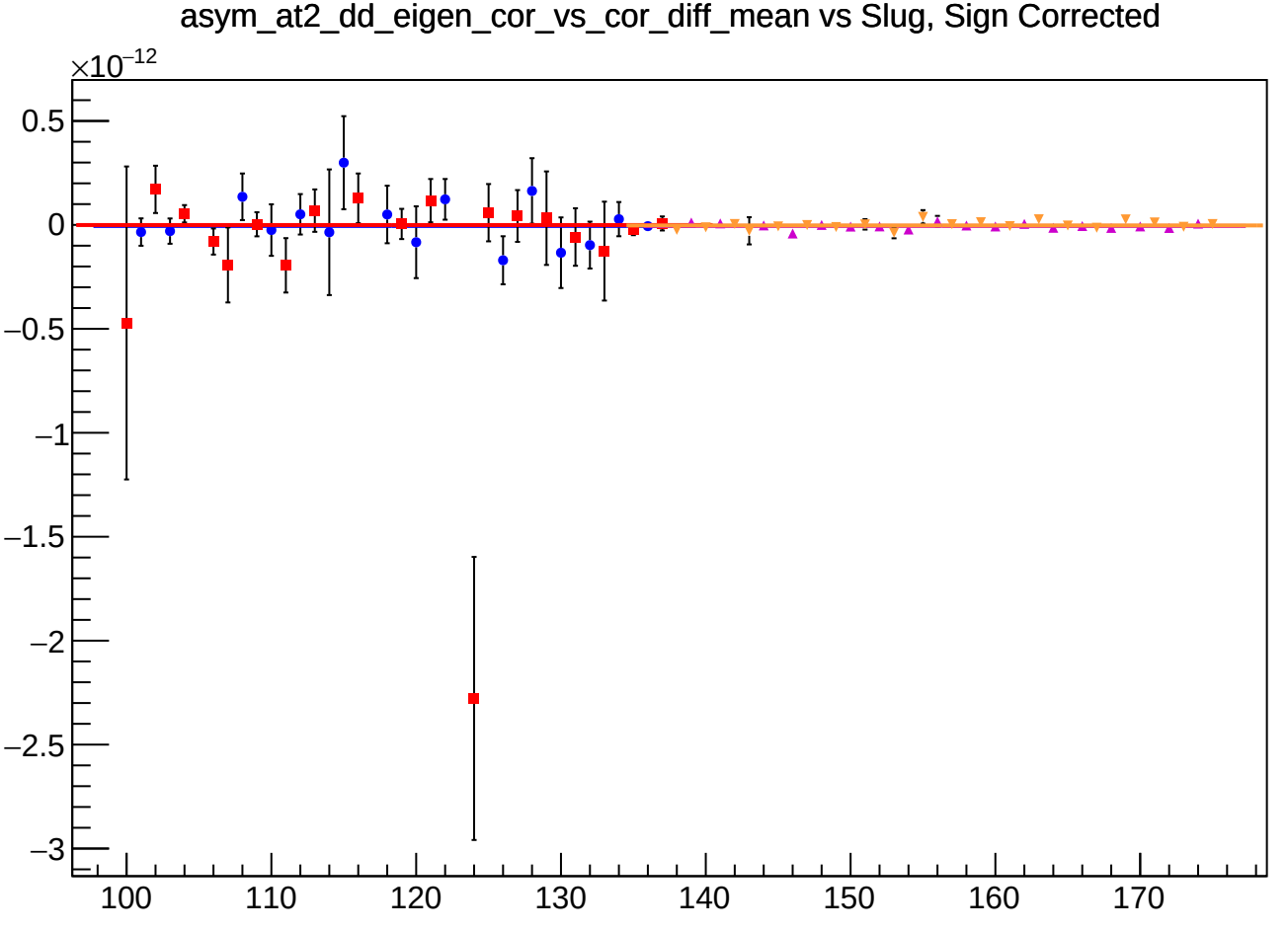
Left: 56.478+/-0.009 χ^2/NDF: 11449473.1/37

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.907+/-0.010 χ^2/NDF:7386430.2/33

Out: 55.012+/-0.010 χ^2/NDF:10542504.3/38

All: 56.898+/-0.007 χ^2/NDF: 18003260.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/17

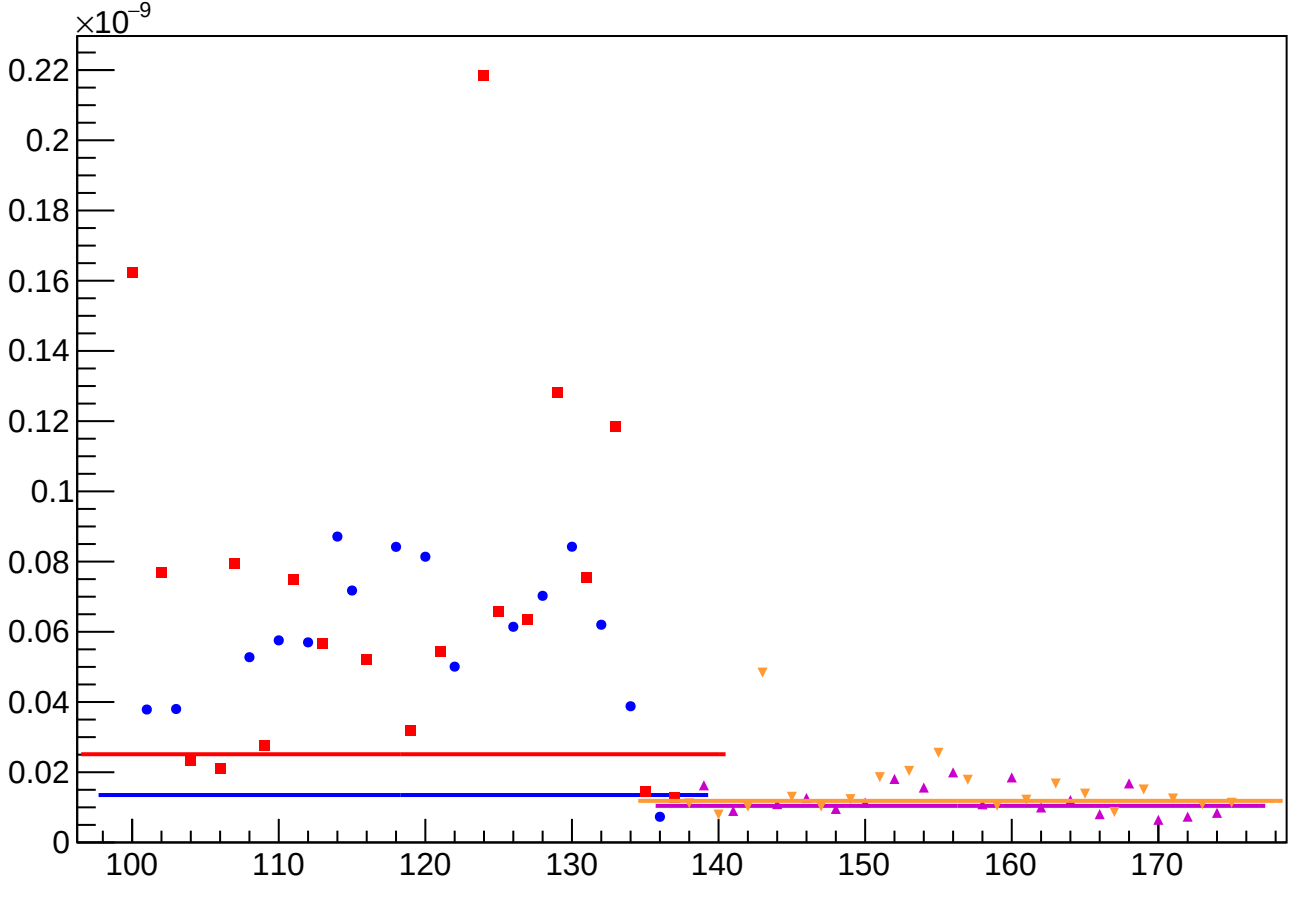
Left: -0.000+/-0.000 χ^2/NDF: 25.0/37

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:21.7/33

Out: -0.000+/-0.000 χ^2/NDF:39.0/38

All: -0.000+/-0.000 χ^2/NDF: 61.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2148064.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1844263.8/17

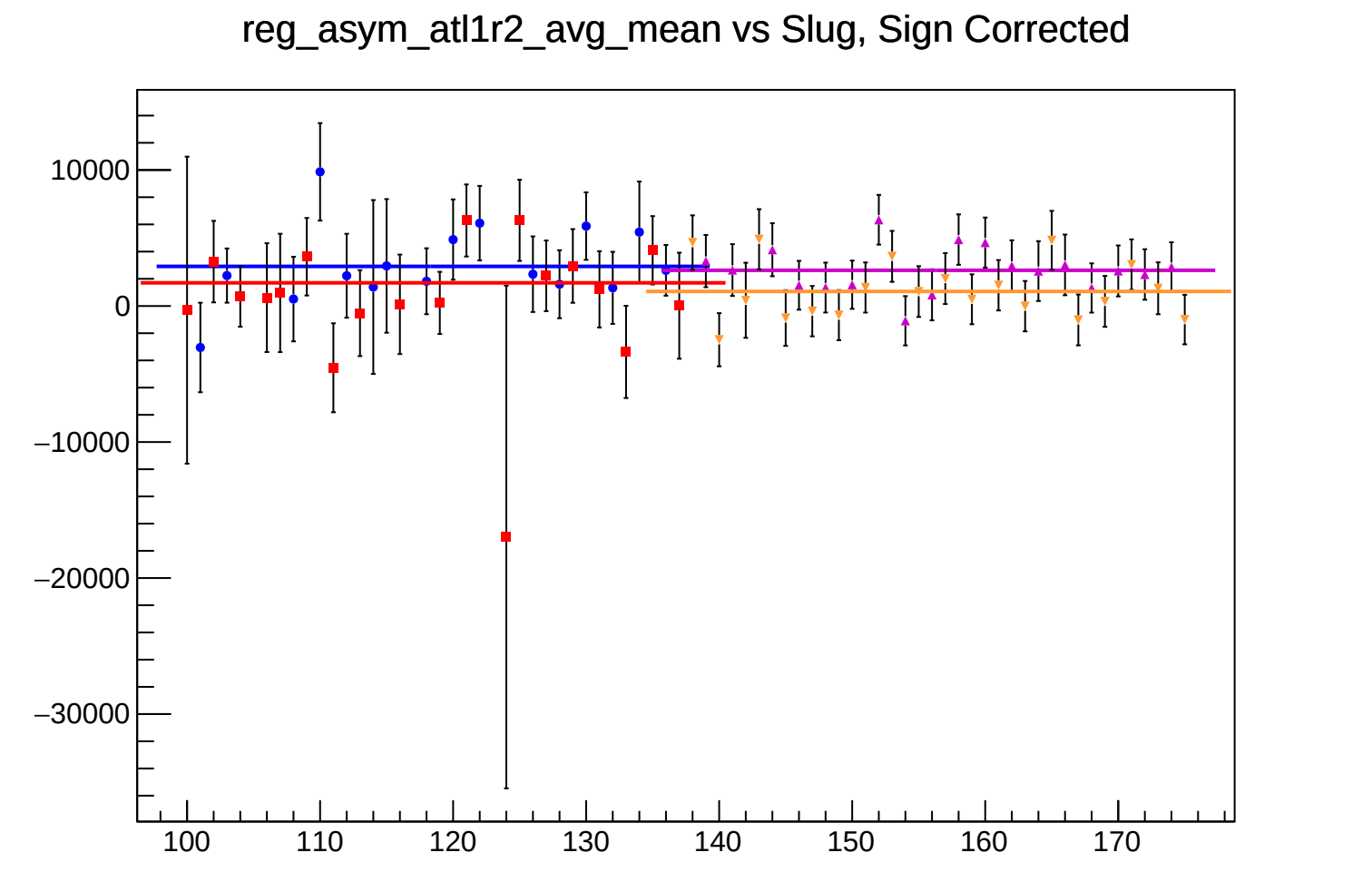
Left: 0.000+/-0.000 χ^2/NDF: 4144693.4/37

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6999329.0/33

Out: 0.000+/-0.000 χ^2/NDF:7191022.1/38

All: 0.000+/-0.000 χ^2/NDF: 14479582.3/72



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.420+/-431.994 χ^2/NDF:21.5/19

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2624.653+/-443.557 χ^2/NDF:14.5/17

Left: 1828.041+/-309.473 χ^2/NDF: 42.3/37

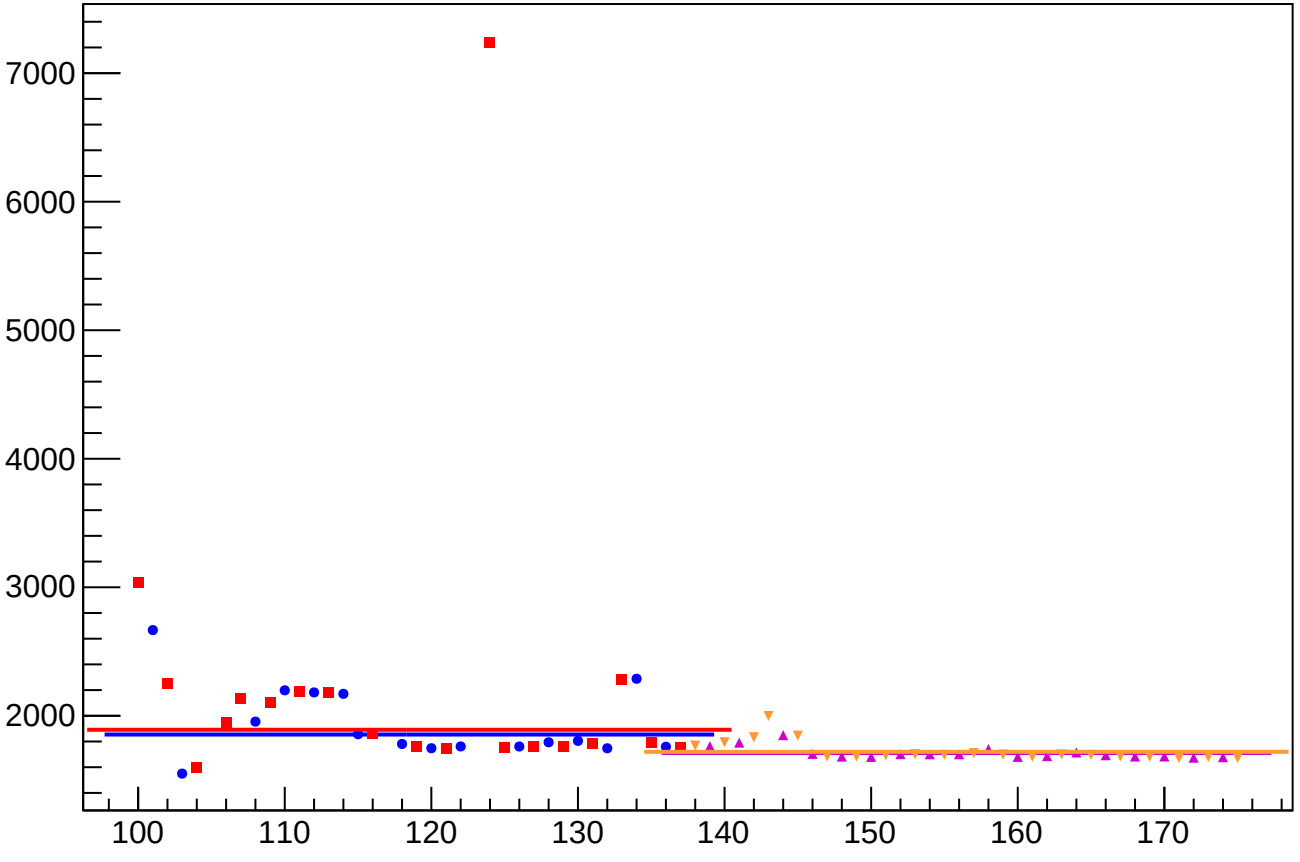
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2708.095+/-373.909 χ^2/NDF:27.1/33

Out: 1244.418+/-368.605 χ^2/NDF:37.9/38

All: 1965.803+/-262.498 χ^2/NDF: 72.8/72

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

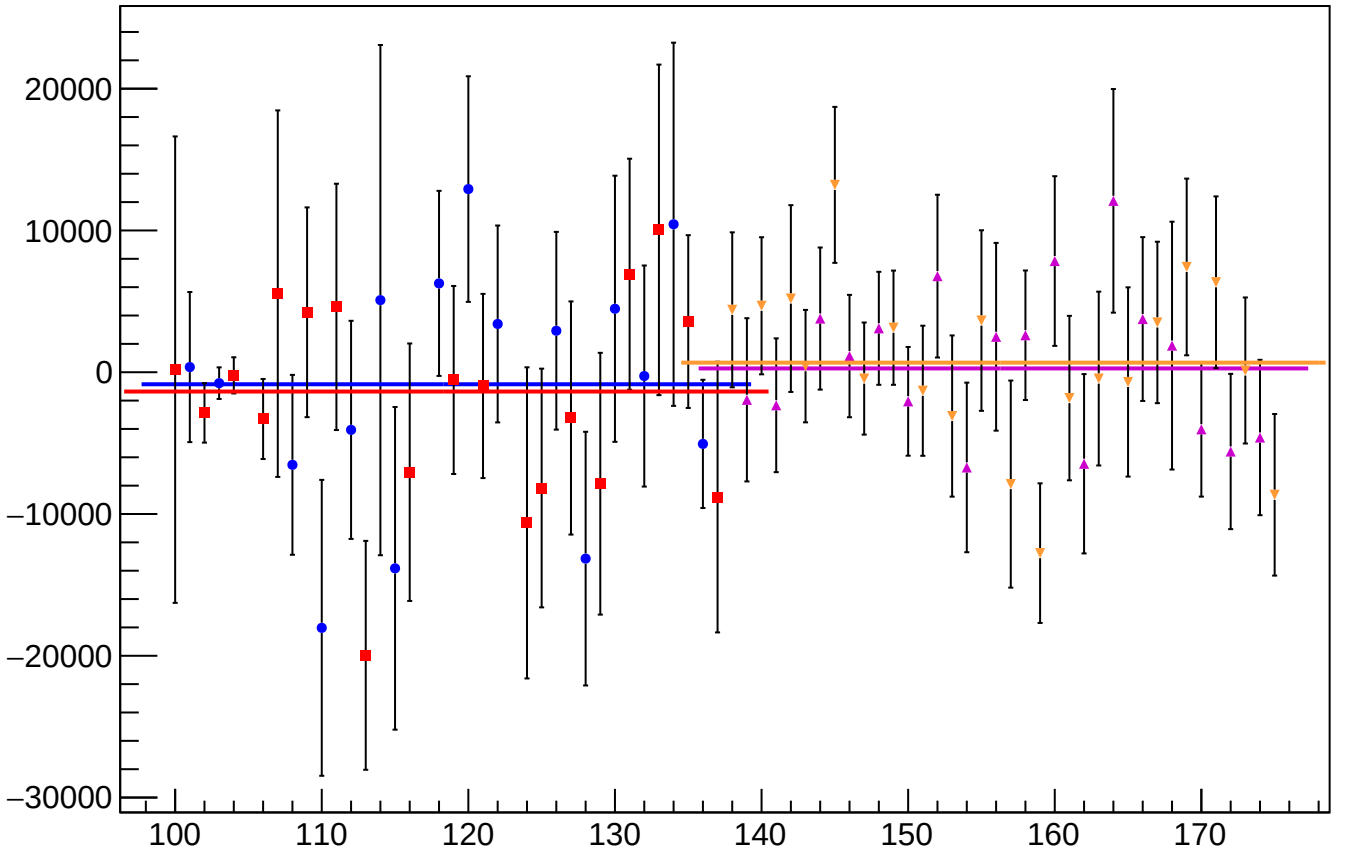
Left: 1715.274+/-0.219 χ^2/NDF: 76731.7/37

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1752.161+/-0.264 χ^2/NDF:344345.2/33

Out: 1766.602+/-0.260 χ^2/NDF:506345.5/38

All: 1759.489+/-0.186 χ^2/NDF: 852204.5/72



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 676.644+/-1181.970 χ^2/NDF:22.2/19

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 268.102+/-1238.772 χ^2/NDF:13.0/17

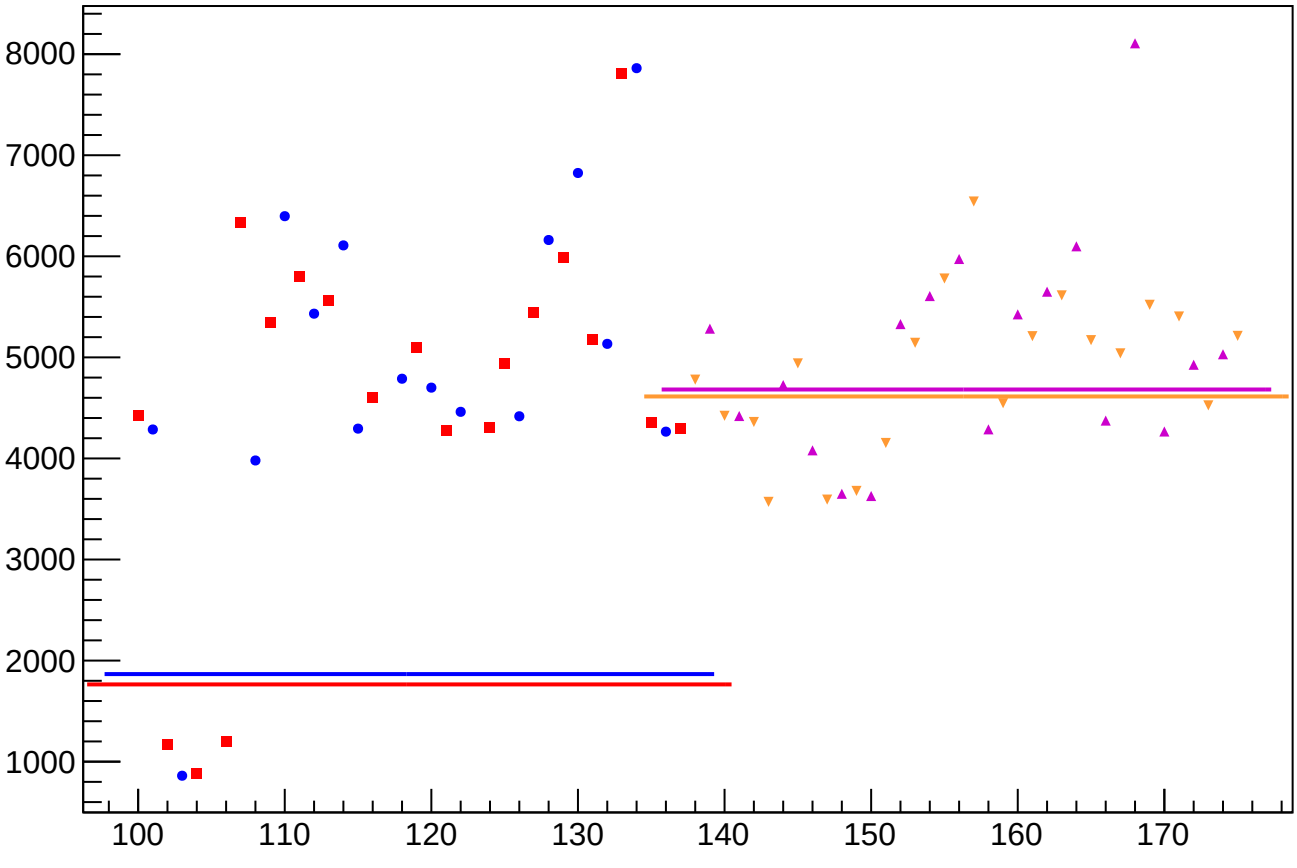
Left: 481.954+/-855.155 χ^2/NDF: 35.3/37

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -427.611+/-760.252 χ^2/NDF:27.4/33

Out: -596.819+/-723.991 χ^2/NDF:38.1/38

All: -516.347+/-524.290 χ^2/NDF: 65.5/72



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4613.306+/-0.836 χ^2/NDF:837642.8/19

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4682.158+/-0.876 χ^2/NDF:998862.9/17

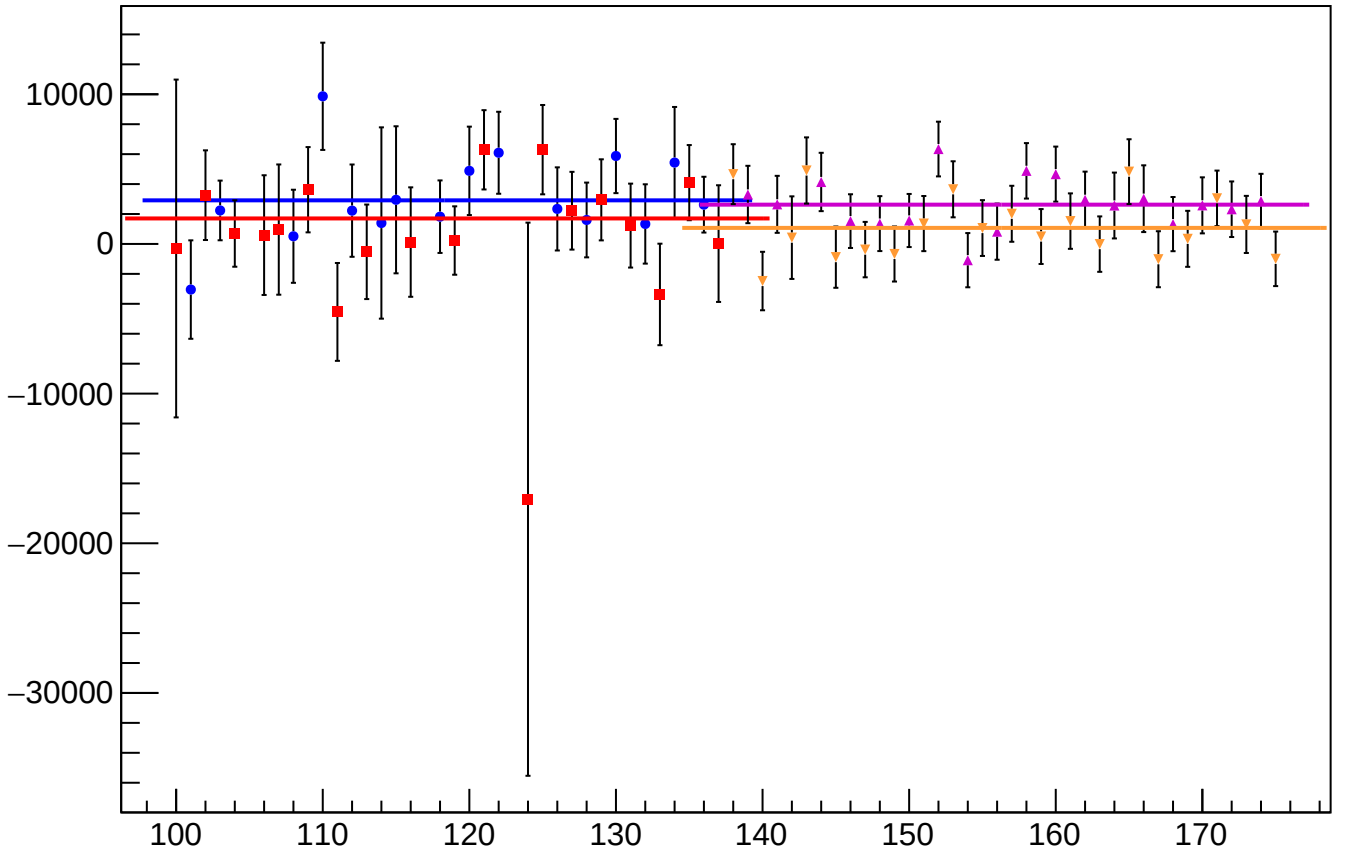
Left: 4646.117+/-0.605 χ^2/NDF: 1839739.8/37

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2926.945+/-0.538 χ^2/NDF:14289769.2/33

Out: 2833.212+/-0.512 χ^2/NDF:14532776.2/38

All: 2877.790+/-0.371 χ^2/NDF: 28838488.5/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2624.628+/-443.557 χ^2/NDF:14.5/17

Left: 1827.973+/-309.473 χ^2/NDF: 42.3/37

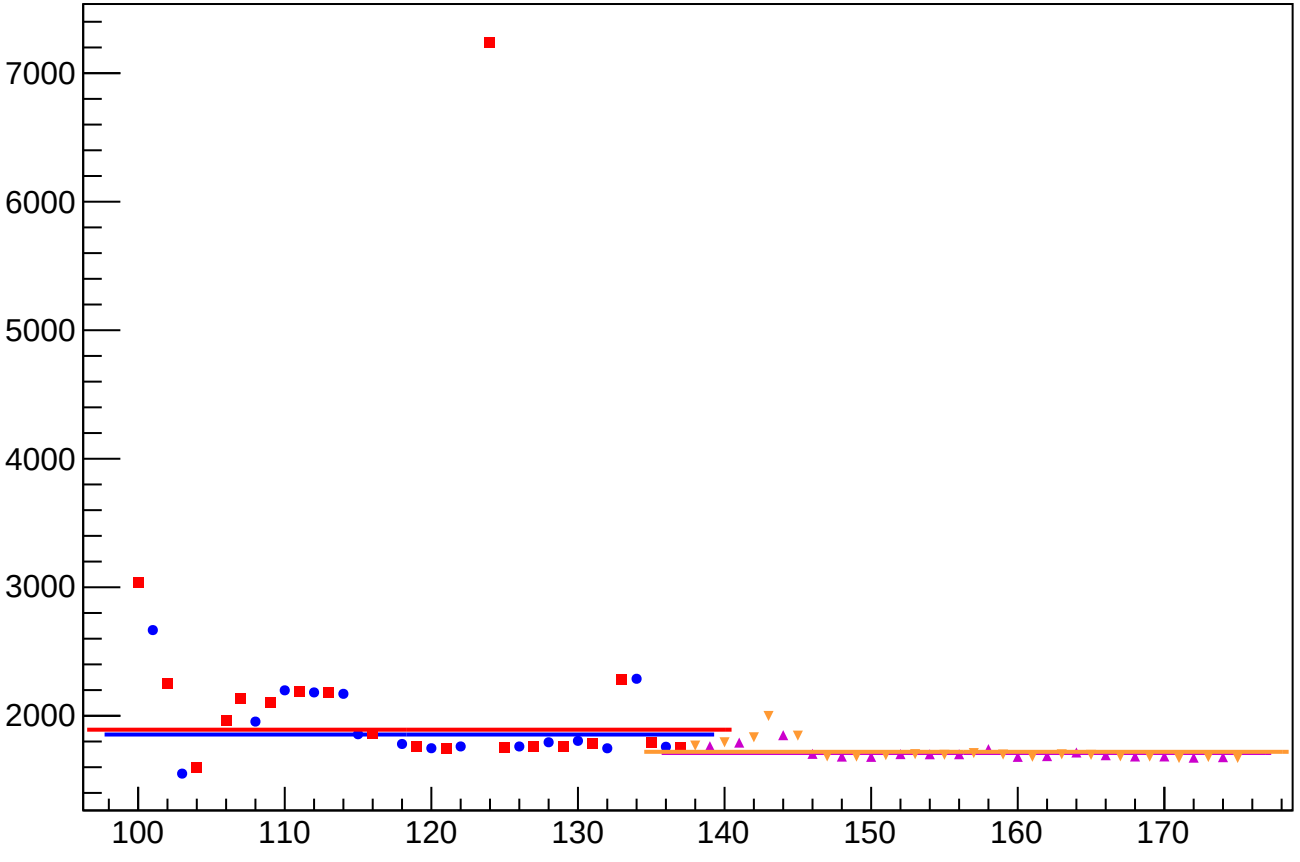
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2708.107+/-373.909 χ^2/NDF:27.1/33

Out: 1243.963+/-368.606 χ^2/NDF:37.9/38

All: 1965.579+/-262.498 χ^2/NDF: 72.8/72

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

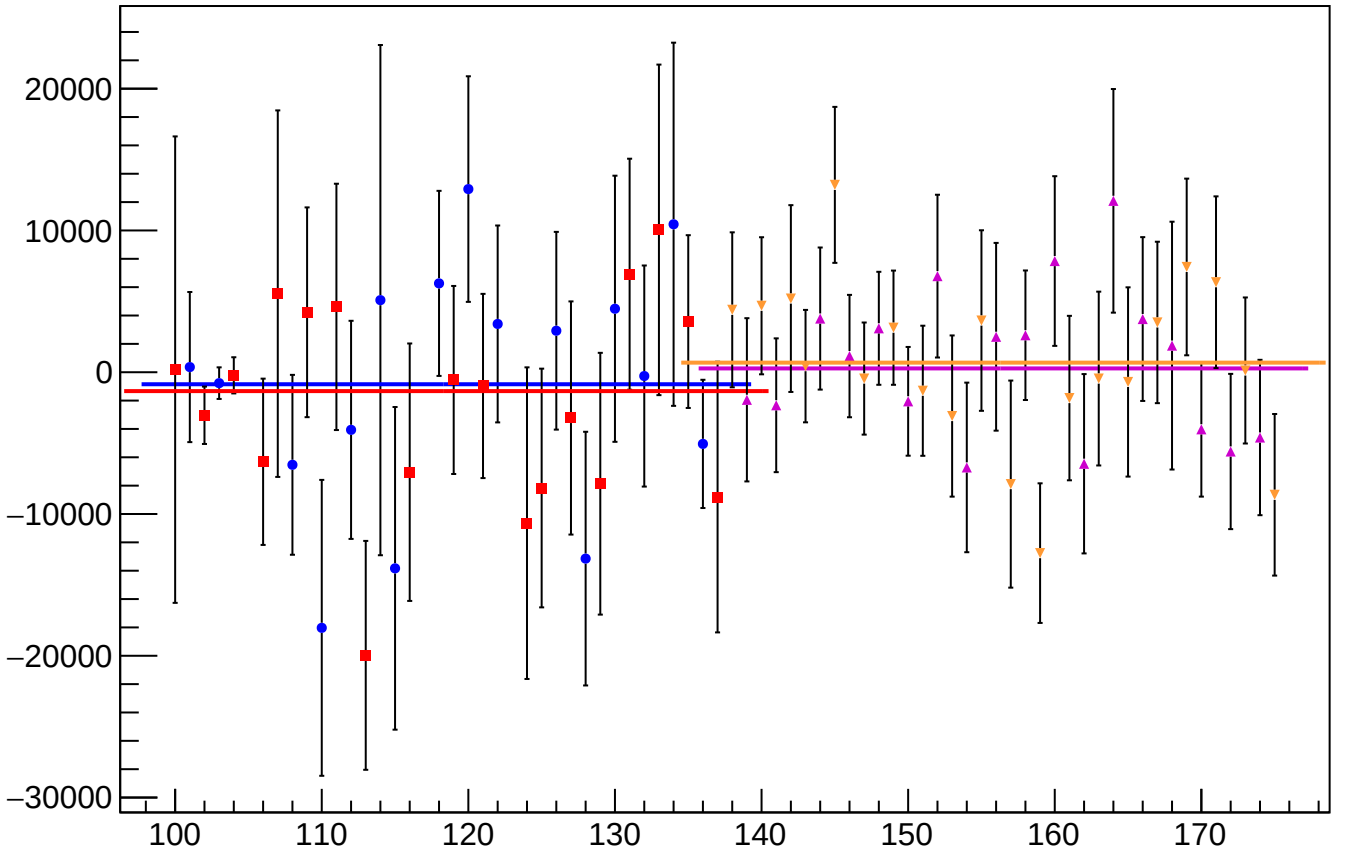
Left: 1715.274+/-0.219 χ^2/NDF: 76731.7/37

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1752.161+/-0.264 χ^2/NDF:344345.1/33

Out: 1766.711+/-0.260 χ^2/NDF:507019.4/38

All: 1759.544+/-0.186 χ^2/NDF: 852901.3/72



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 268.156+/-1238.772 χ^2/NDF:13.0/17

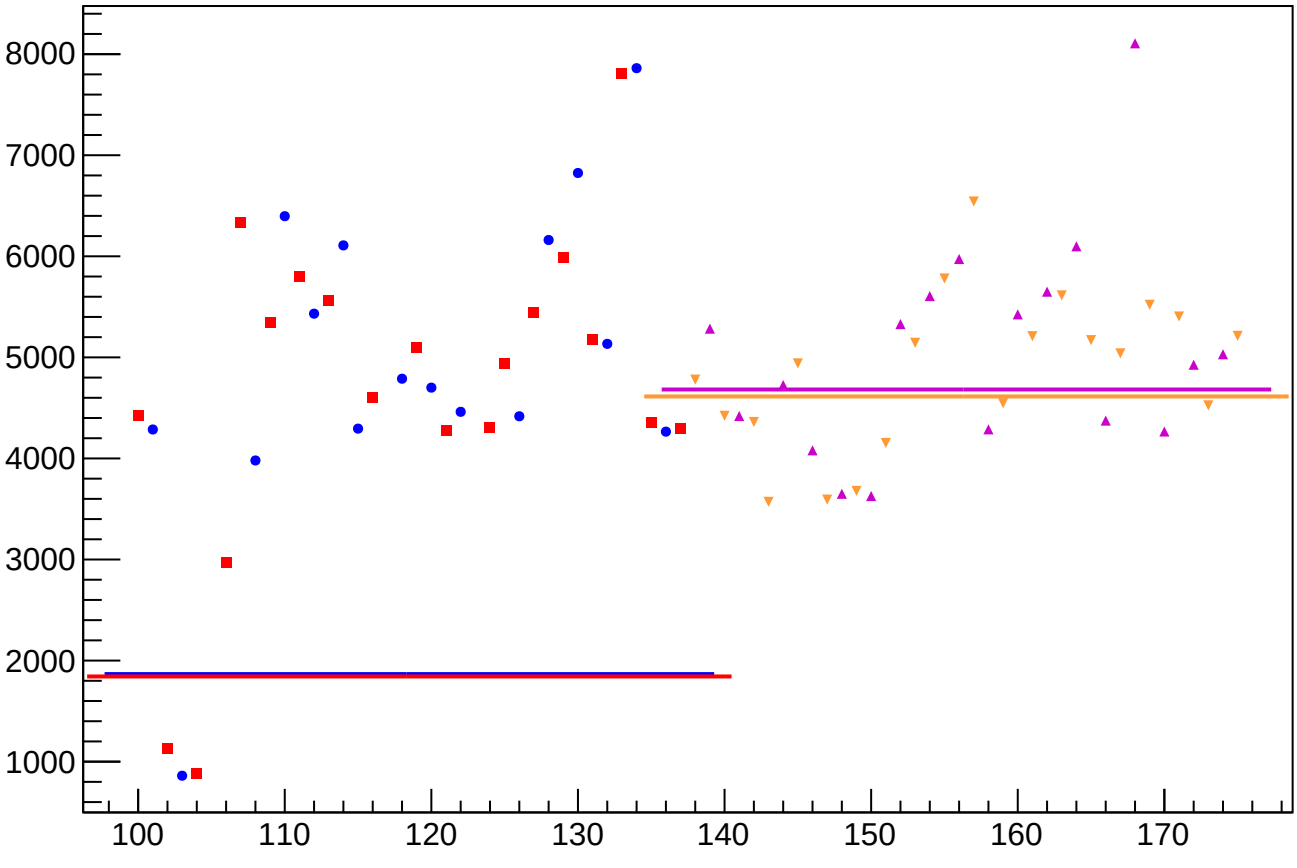
Left: 481.972+/-855.154 χ^2/NDF: 35.3/37

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -427.325+/-760.226 χ^2/NDF:27.4/33

Out: -545.148+/-739.600 χ^2/NDF:38.4/38

All: -487.856+/-530.118 χ^2/NDF: 65.8/72



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

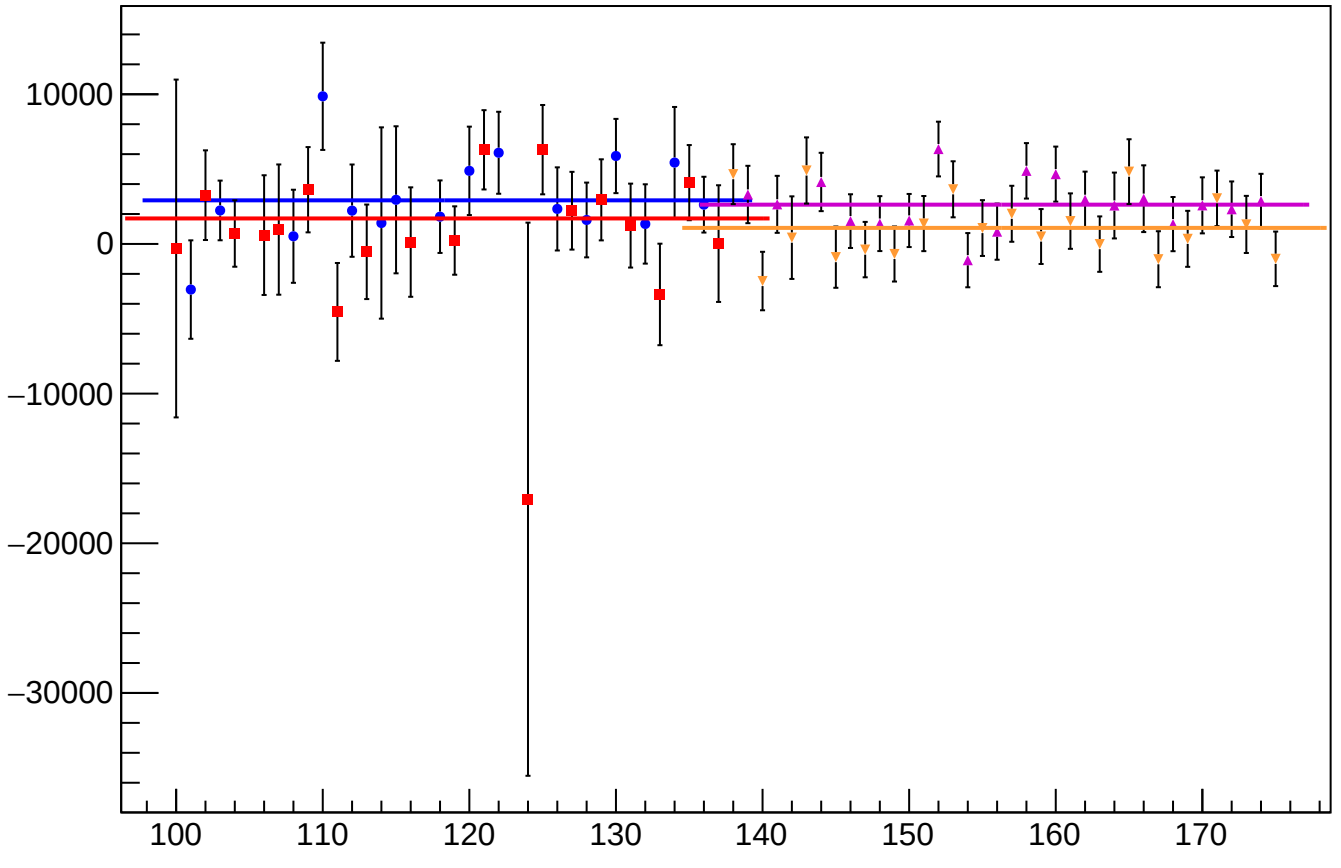
Left: 4646.113+/-0.605 χ^2/NDF: 1839769.6/37

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2926.775+/-0.538 χ^2/NDF:14291174.3/33

Out: 2927.627+/-0.523 χ^2/NDF:13981654.7/38

All: 2927.213+/-0.375 χ^2/NDF: 28272830.3/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2624.628+/-443.557 χ^2/NDF:14.5/17

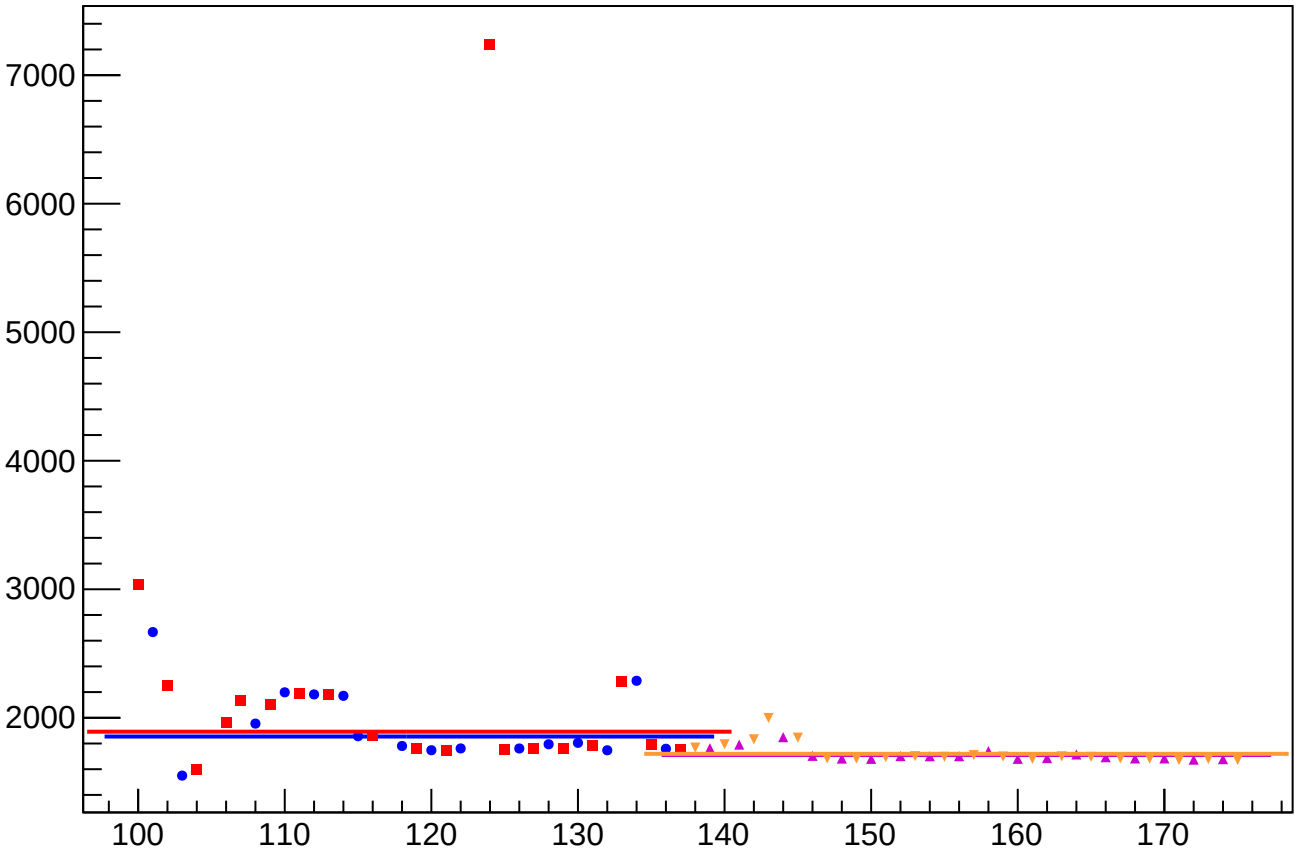
Left: 1827.973+/-309.473 χ^2/NDF: 42.3/37

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2708.107+/-373.909 χ^2/NDF:27.1/33

Out: 1243.963+/-368.606 χ^2/NDF:37.9/38

All: 1965.579+/-262.498 χ^2/NDF: 72.8/72



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

Left: 1715.274+/-0.219 χ^2/NDF: 76731.7/37

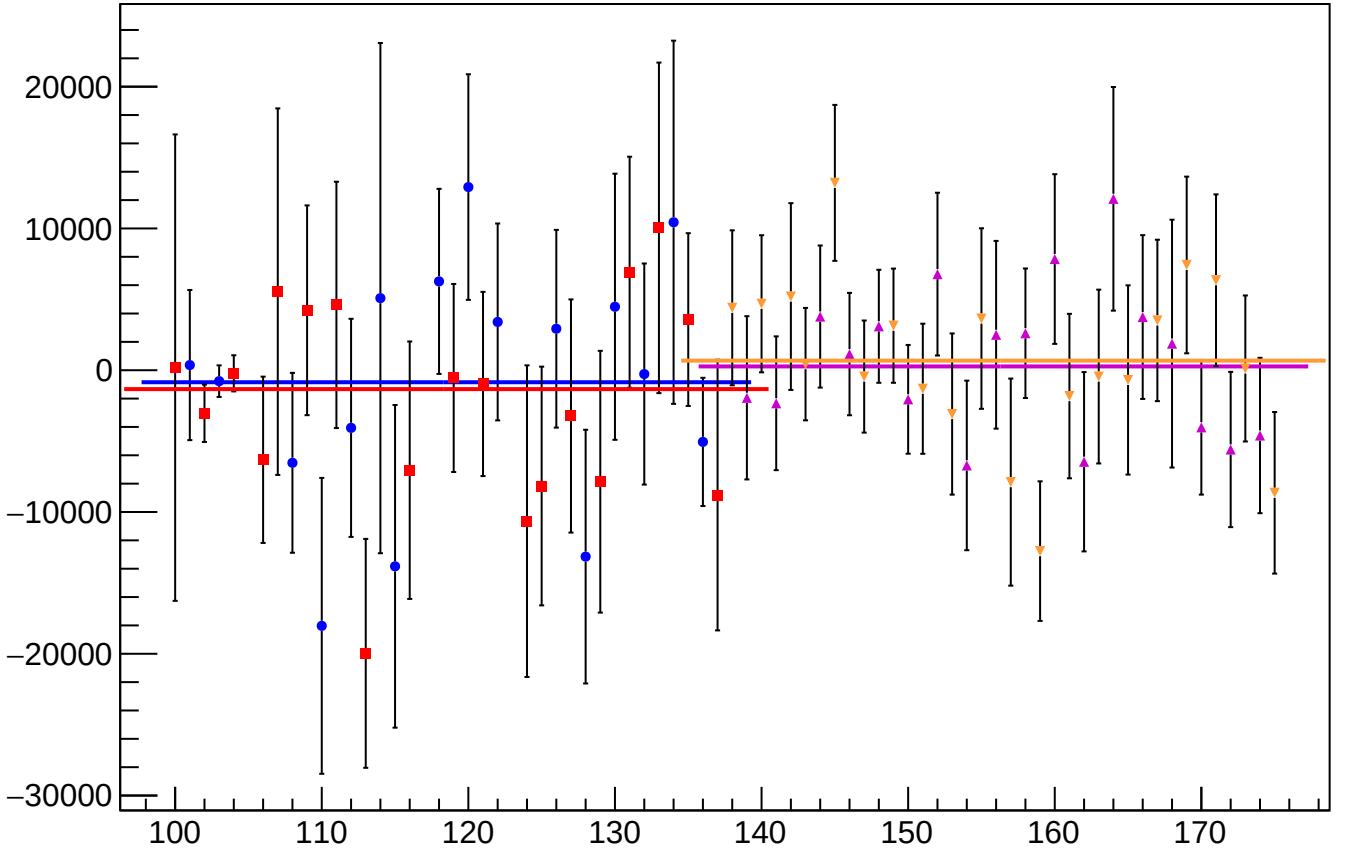
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1752.161+/-0.264 χ^2/NDF:344345.1/33

Out: 1766.711+/-0.260 χ^2/NDF:507019.4/38

All: 1759.544+/-0.186 χ^2/NDF: 852901.3/72

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 268.156+/-1238.772 χ^2/NDF:13.0/17

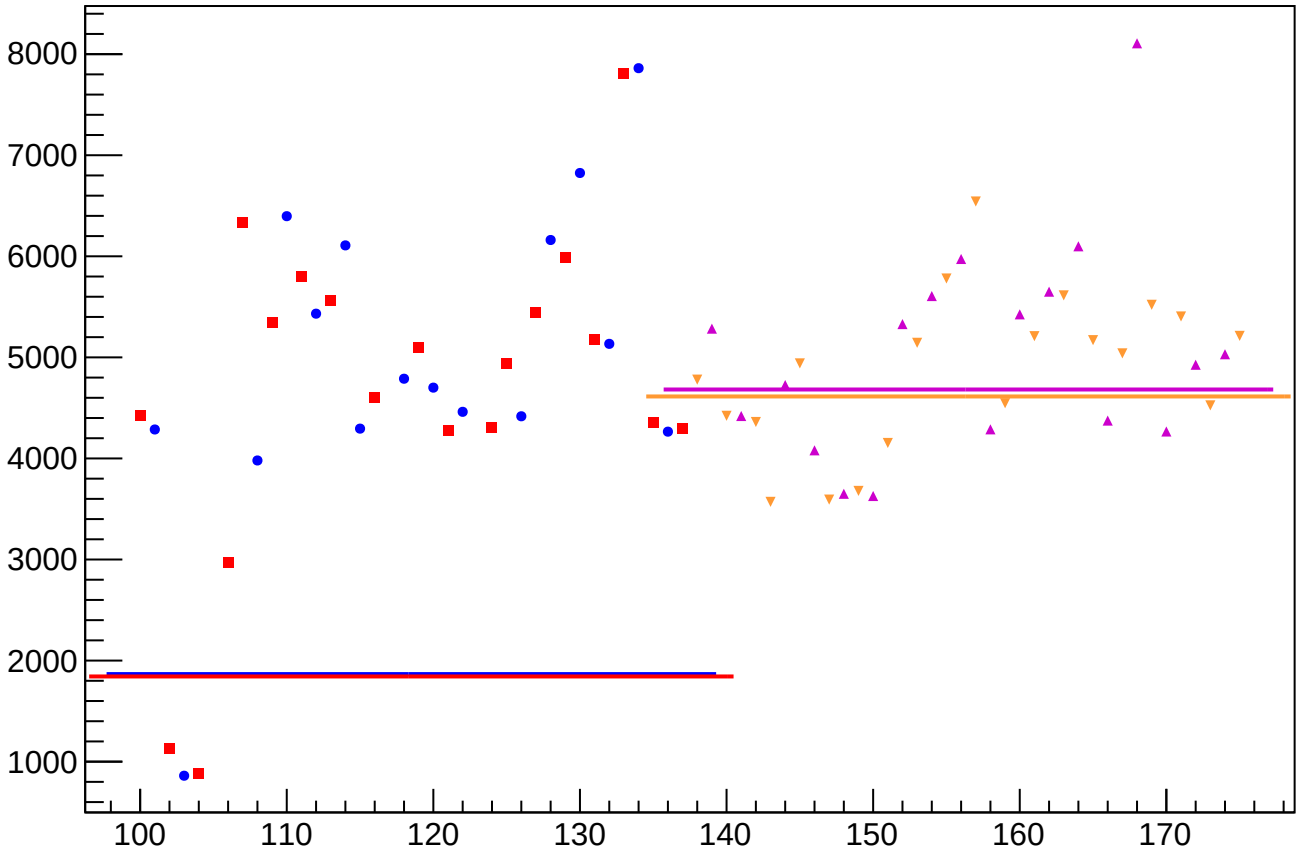
Left: 481.972+/-855.154 χ^2/NDF: 35.3/37

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -427.325+/-760.226 χ^2/NDF:27.4/33

Out: -545.148+/-739.600 χ^2/NDF:38.4/38

All: -487.856+/-530.118 χ^2/NDF: 65.8/72



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

Left: 4646.113+/-0.605 χ^2/NDF: 1839769.6/37

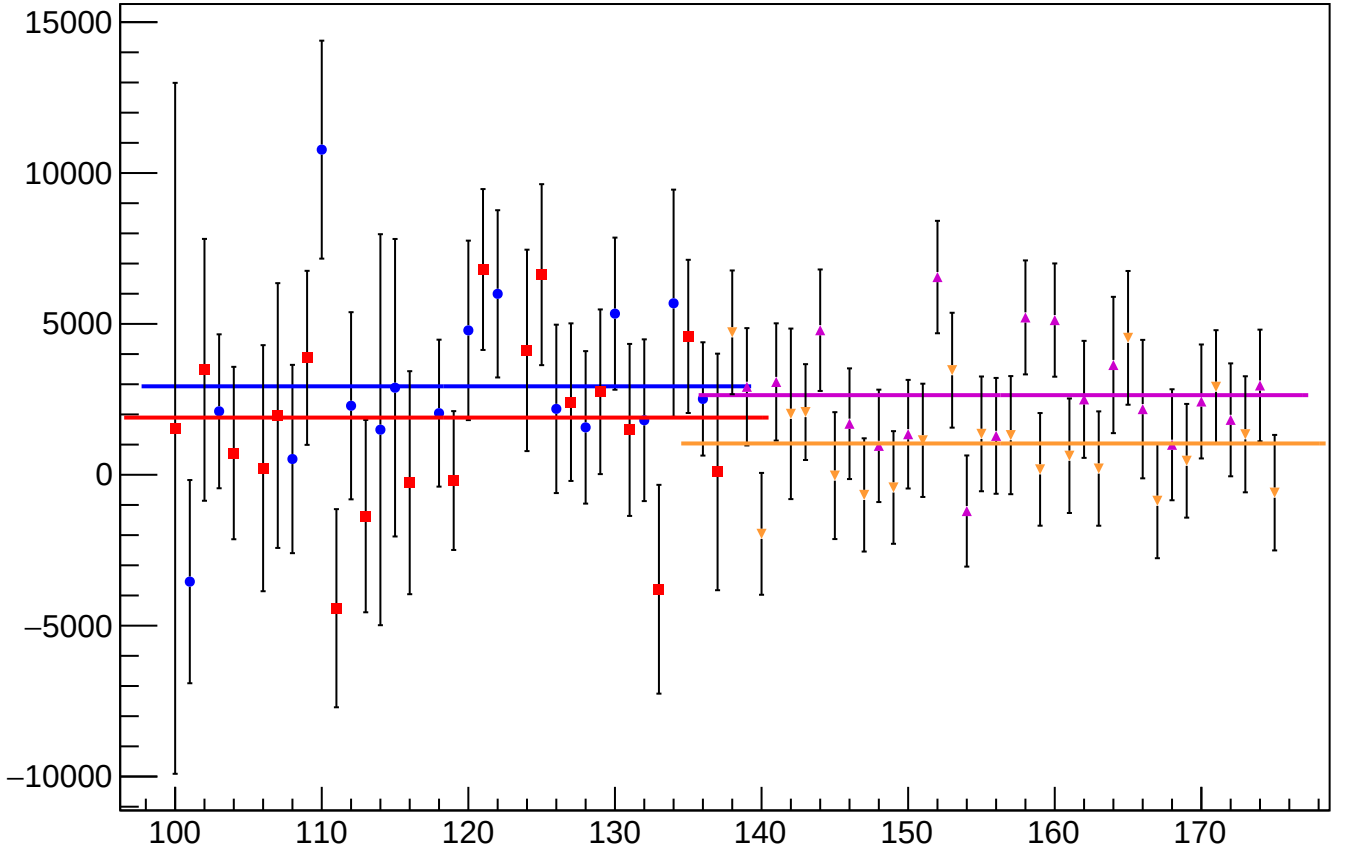
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2926.775+/-0.538 χ^2/NDF:14291174.3/33

Out: 2927.627+/-0.523 χ^2/NDF:13981654.7/38

All: 2927.213+/-0.375 χ^2/NDF: 28272830.3/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.536+/-433.085 χ^2/NDF:15.1/19

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2638.739+/-451.986 χ^2/NDF:17.0/17

Left: 1803.958+/-312.706 χ^2/NDF: 38.6/37

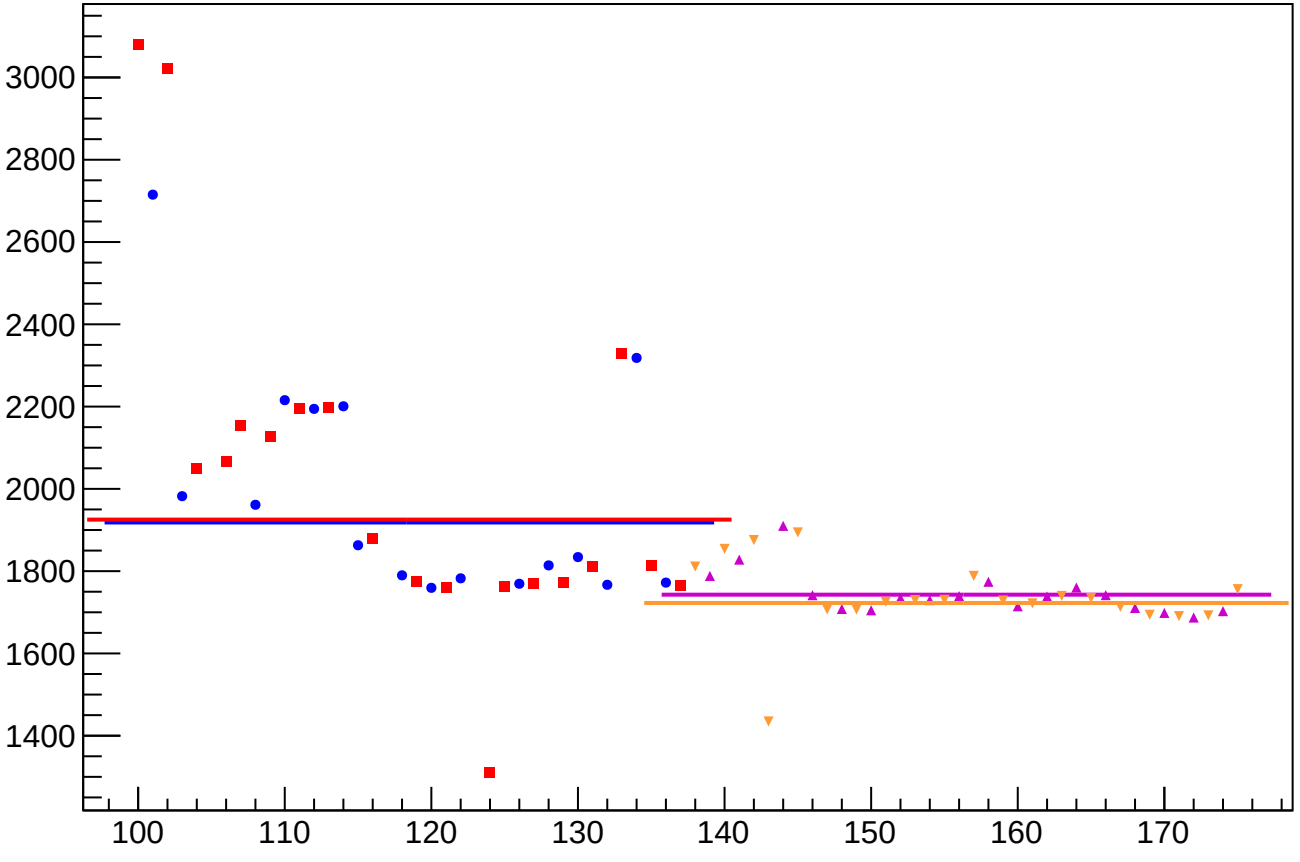
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2721.831+/-382.553 χ^2/NDF:30.1/33

Out: 1264.578+/-371.387 χ^2/NDF:33.6/38

All: 1971.627+/-266.470 χ^2/NDF: 71.1/72

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.662+/-0.306 χ^2/NDF:102246.3/19

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1742.804+/-0.320 χ^2/NDF:26026.0/17

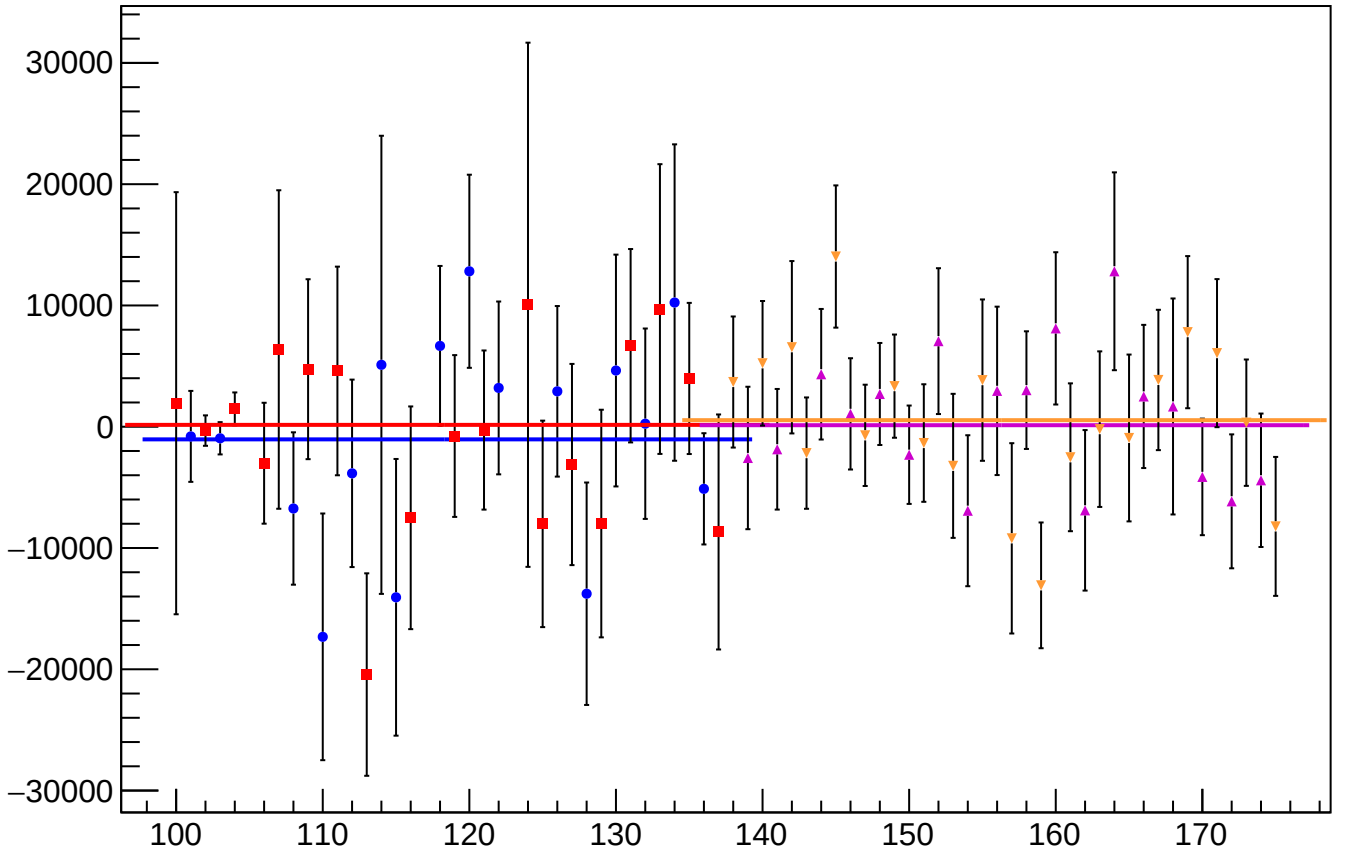
Left: 1732.303+/-0.221 χ^2/NDF: 130342.9/37

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1792.600+/-0.271 χ^2/NDF:327206.5/33

Out: 1776.340+/-0.263 χ^2/NDF:557302.4/38

All: 1784.228+/-0.188 χ^2/NDF: 886369.5/72



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 540.623+/-1240.542 χ^2/NDF:22.4/19

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 125.992+/-1291.938 χ^2/NDF:13.0/17

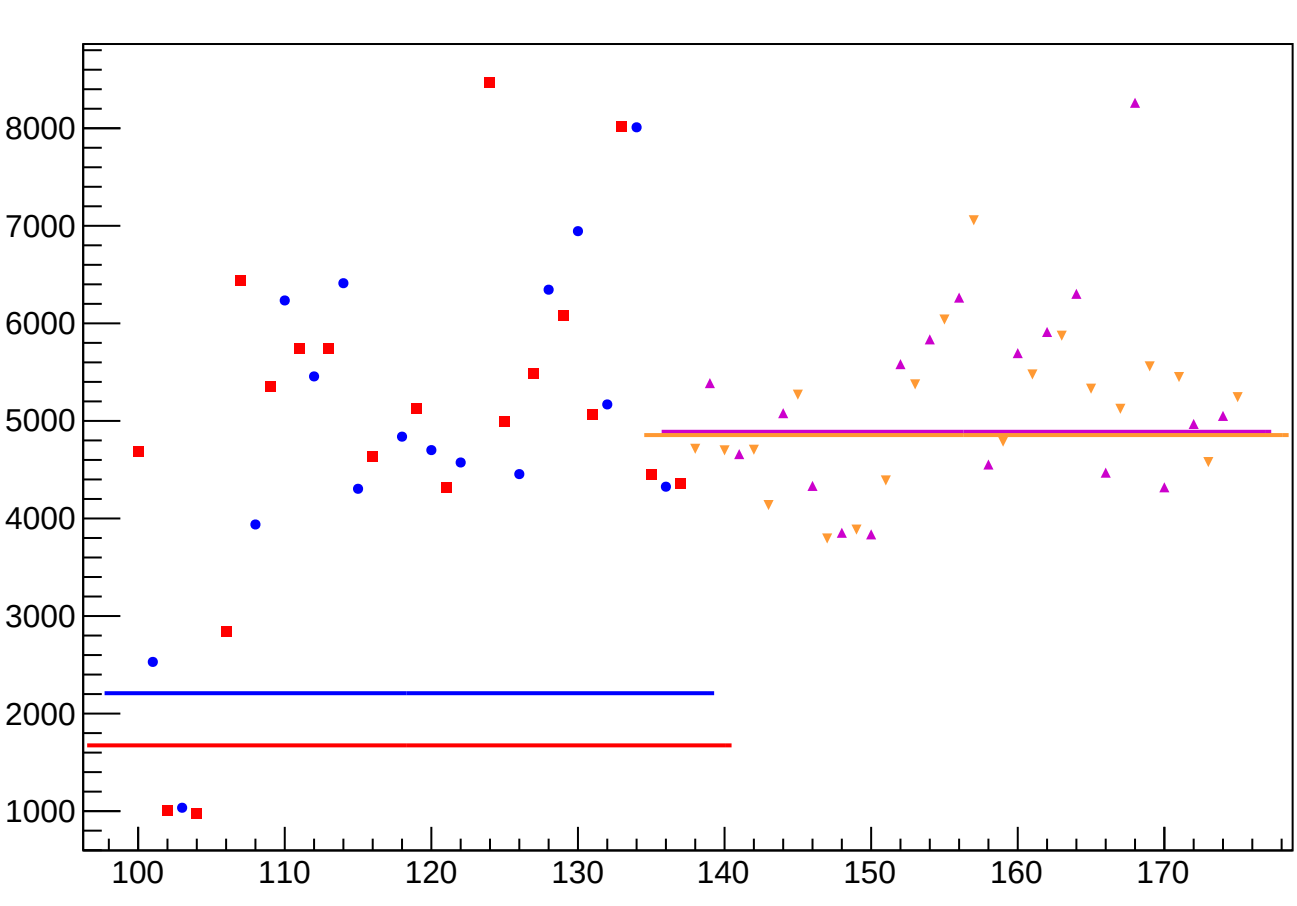
Left: 341.719+/-894.814 χ^2/NDF: 35.5/37

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -565.472+/-825.166 χ^2/NDF:27.3/33

Out: 274.415+/-693.075 χ^2/NDF:36.2/38

All: -73.005+/-530.711 χ^2/NDF: 64.2/72



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4854.869+/-0.877 χ^2/NDF:694584.8/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4888.523+/-0.914 χ^2/NDF:934981.8/17

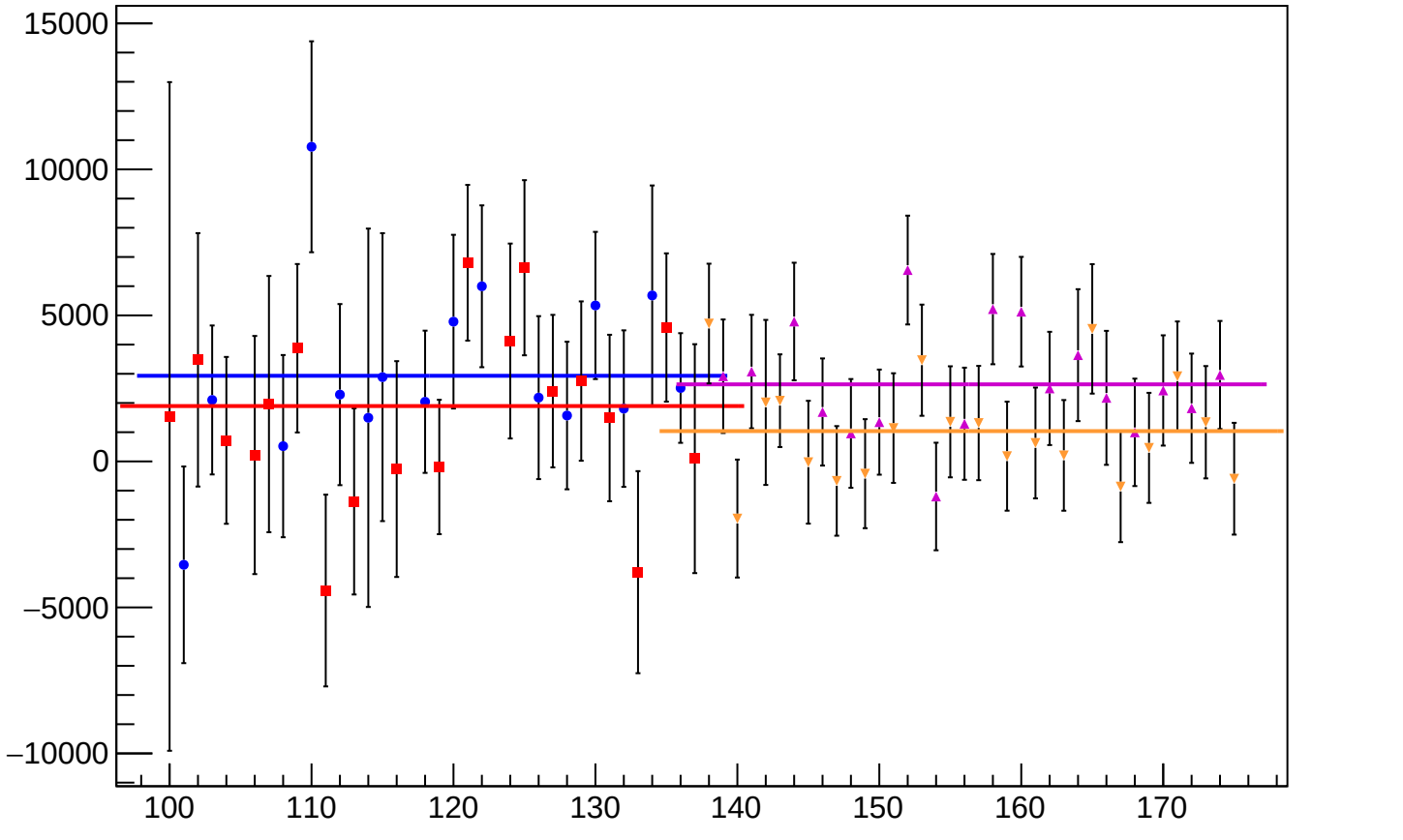
Left: 4871.013+/-0.633 χ^2/NDF: 1630272.7/37

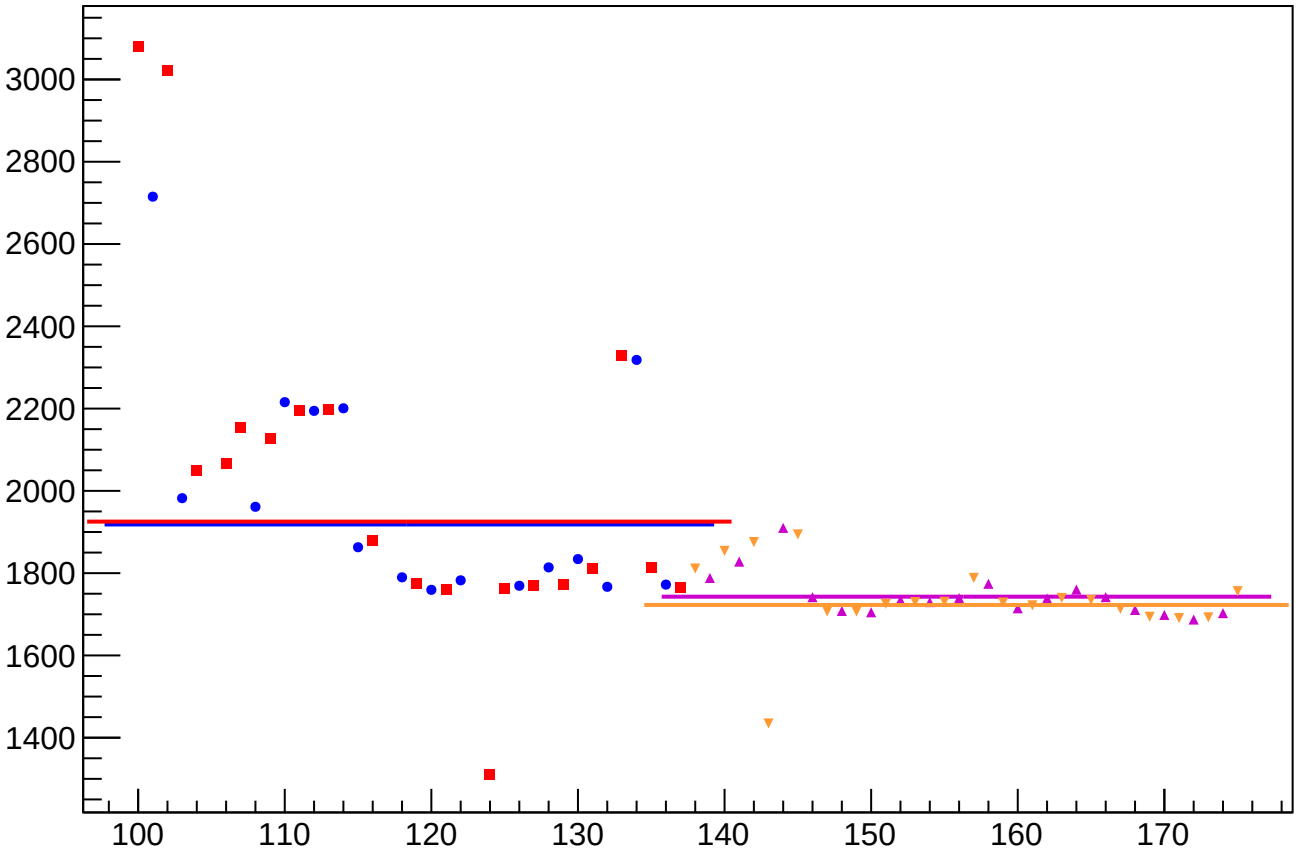
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3302.039+/-0.583 χ^2/NDF:11527933.7/33

Out: 2666.960+/-0.490 χ^2/NDF:16591787.3/38

All: 2929.661+/-0.375 χ^2/NDF: 28814360.2/7


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 1037.529+/-433.085 χ²/NDF:15.1/19
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2638.742+/-451.987 χ²/NDF:17.0/17
Left: 1803.956+/-312.706 χ²/NDF: 38.6/37
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2721.834+/-382.553 χ²/NDF:30.1/33
Out: 1264.574+/-371.387 χ²/NDF:33.6/38
All: 1971.627+/-266.470 χ²/NDF: 71.1/72



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.663+/-0.306 χ^2/NDF:102245.5/19

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1742.805+/-0.320 χ^2/NDF:26026.0/17

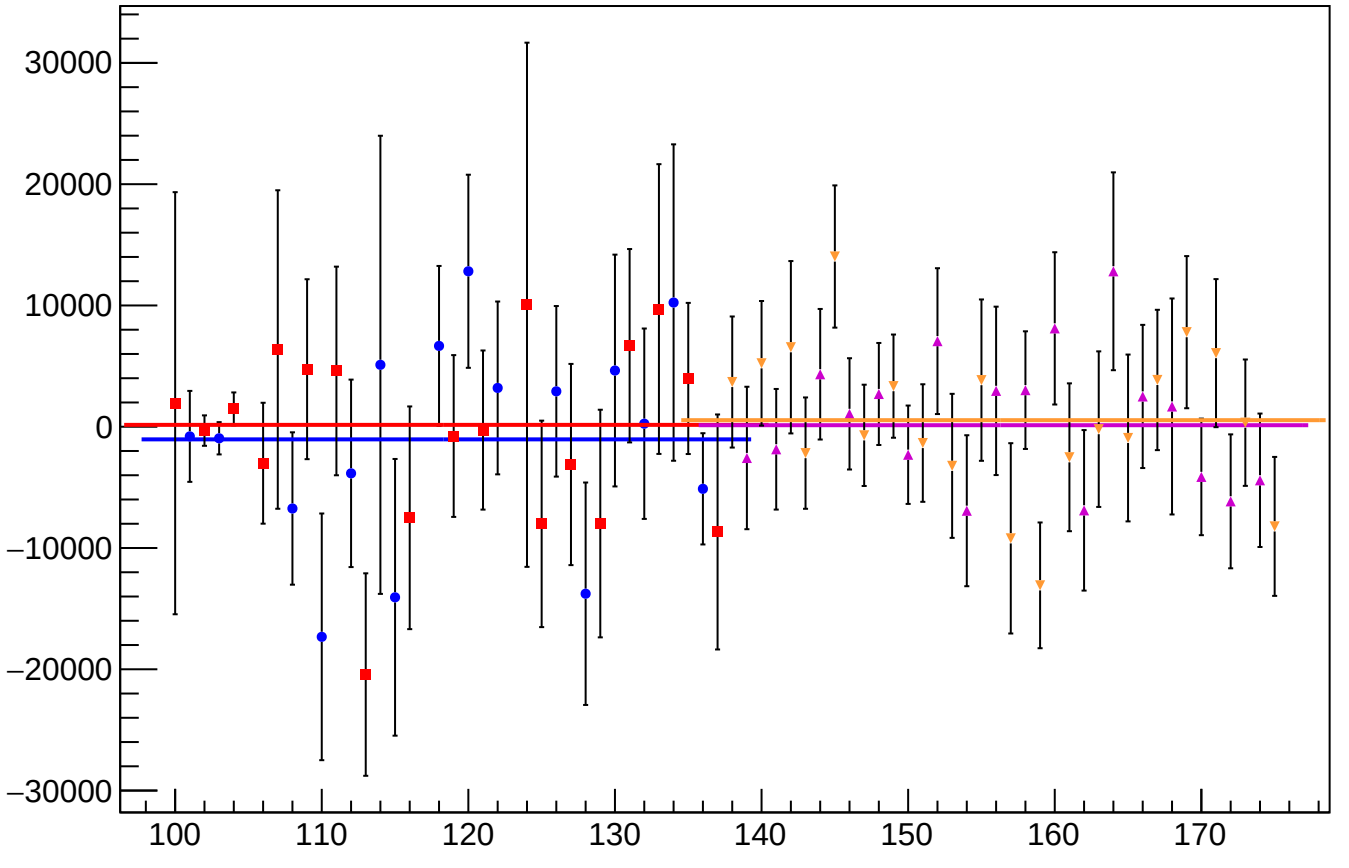
Left: 1732.304+/-0.221 χ^2/NDF: 130342.1/37

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1792.601+/-0.271 χ^2/NDF:327205.1/33

Out: 1776.340+/-0.263 χ^2/NDF:557298.9/38

All: 1784.228+/-0.188 χ^2/NDF: 886364.5/72



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 540.621+/-1240.544 χ^2/NDF:22.4/19

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 125.990+/-1291.940 χ^2/NDF:13.0/17

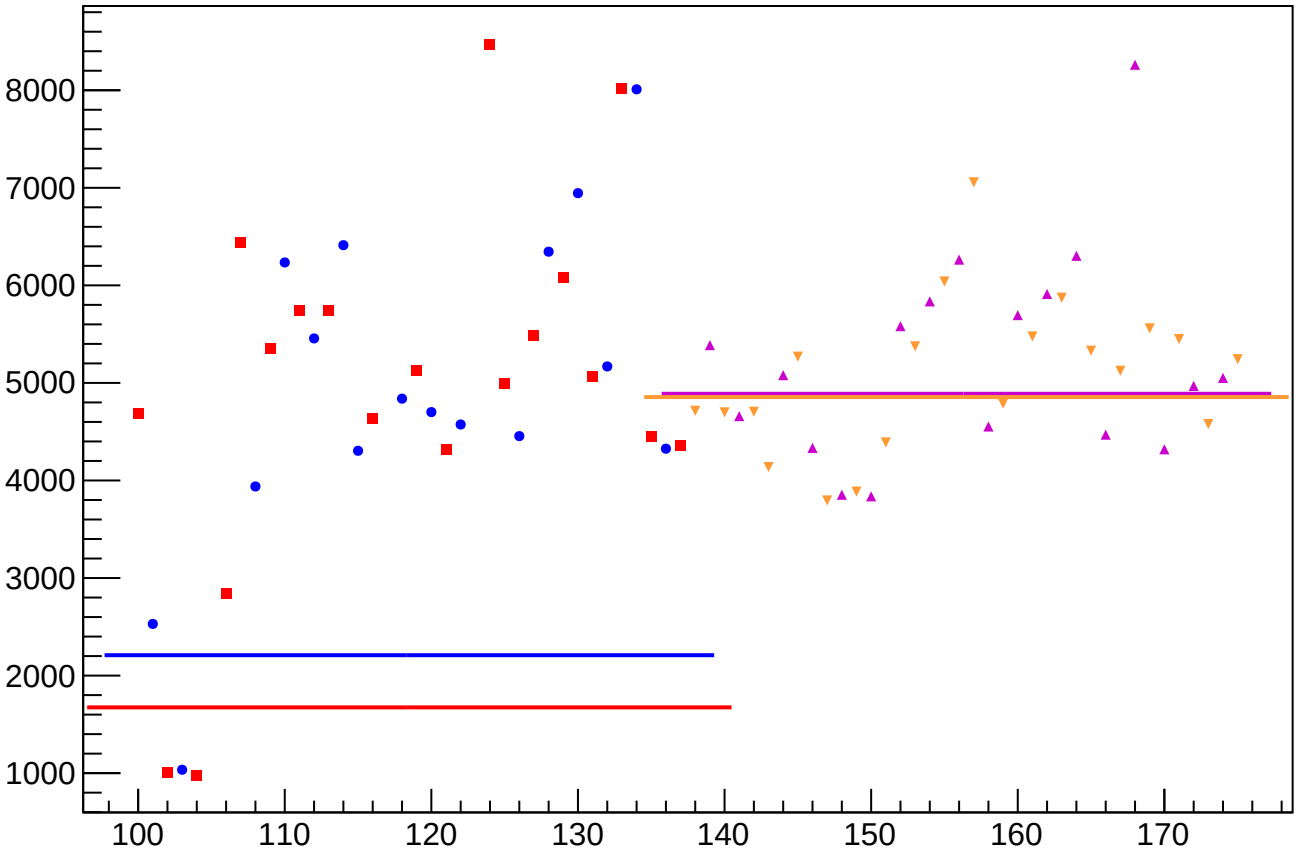
Left: 341.717+/-894.815 χ^2/NDF: 35.5/37

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -565.473+/-825.166 χ^2/NDF:27.3/33

Out: 274.411+/-693.075 χ^2/NDF:36.2/38

All: -73.008+/-530.711 χ^2/NDF: 64.2/72



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4854.877+/-0.877 χ^2/NDF:694584.2/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4888.531+/-0.914 χ^2/NDF:934982.3/17

Left: 4871.021+/-0.633 χ^2/NDF: 1630272.5/37

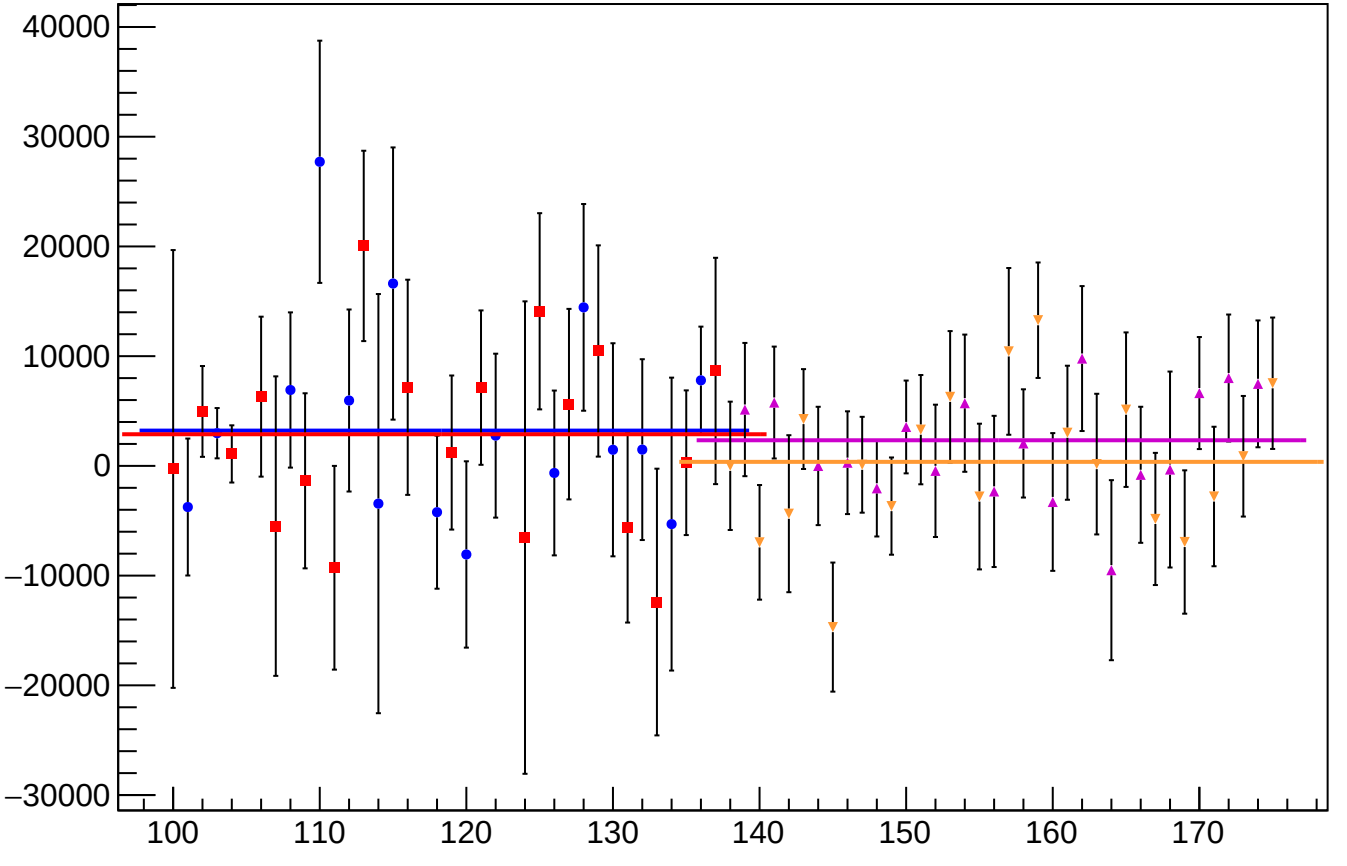
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3302.039+/-0.583 χ^2/NDF:11527952.3/33

Out: 2666.959+/-0.490 χ^2/NDF:16591808.8/38

All: 2929.660+/-0.375 χ^2/NDF: 28814400.8/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 367.810+/-1271.809 χ^2/NDF:24.2/19

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2335.035+/-1326.304 χ^2/NDF:10.1/17

Left: 1310.178+/-917.966 χ^2/NDF: 35.4/37

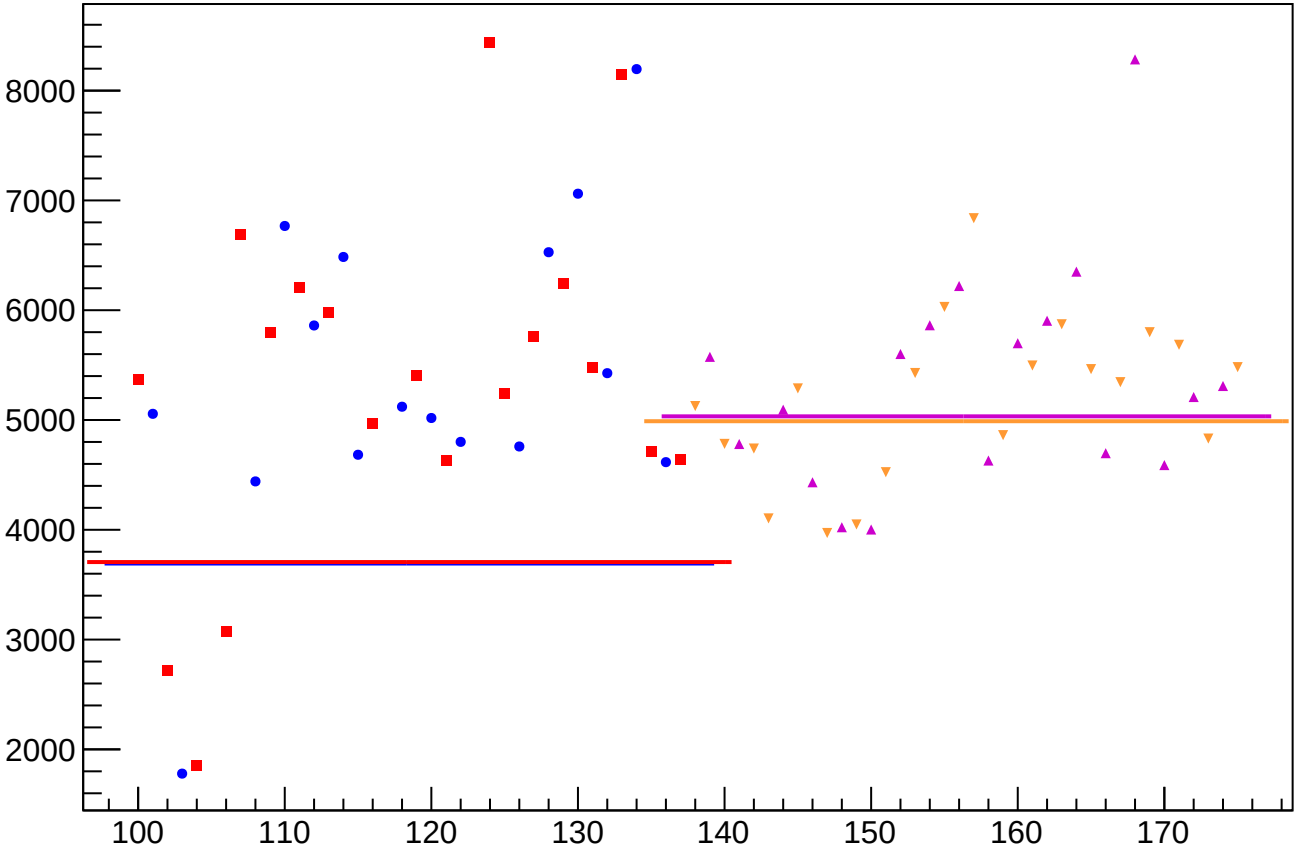
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2710.277+/-1004.764 χ^2/NDF:24.1/33

Out: 1378.341+/-983.738 χ^2/NDF:39.2/38

All: 2030.227+/-702.924 χ^2/NDF: 64.1/72

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4988.903+/-0.899 χ^2/NDF:620788.0/19

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5033.288+/-0.938 χ^2/NDF:805702.3/17

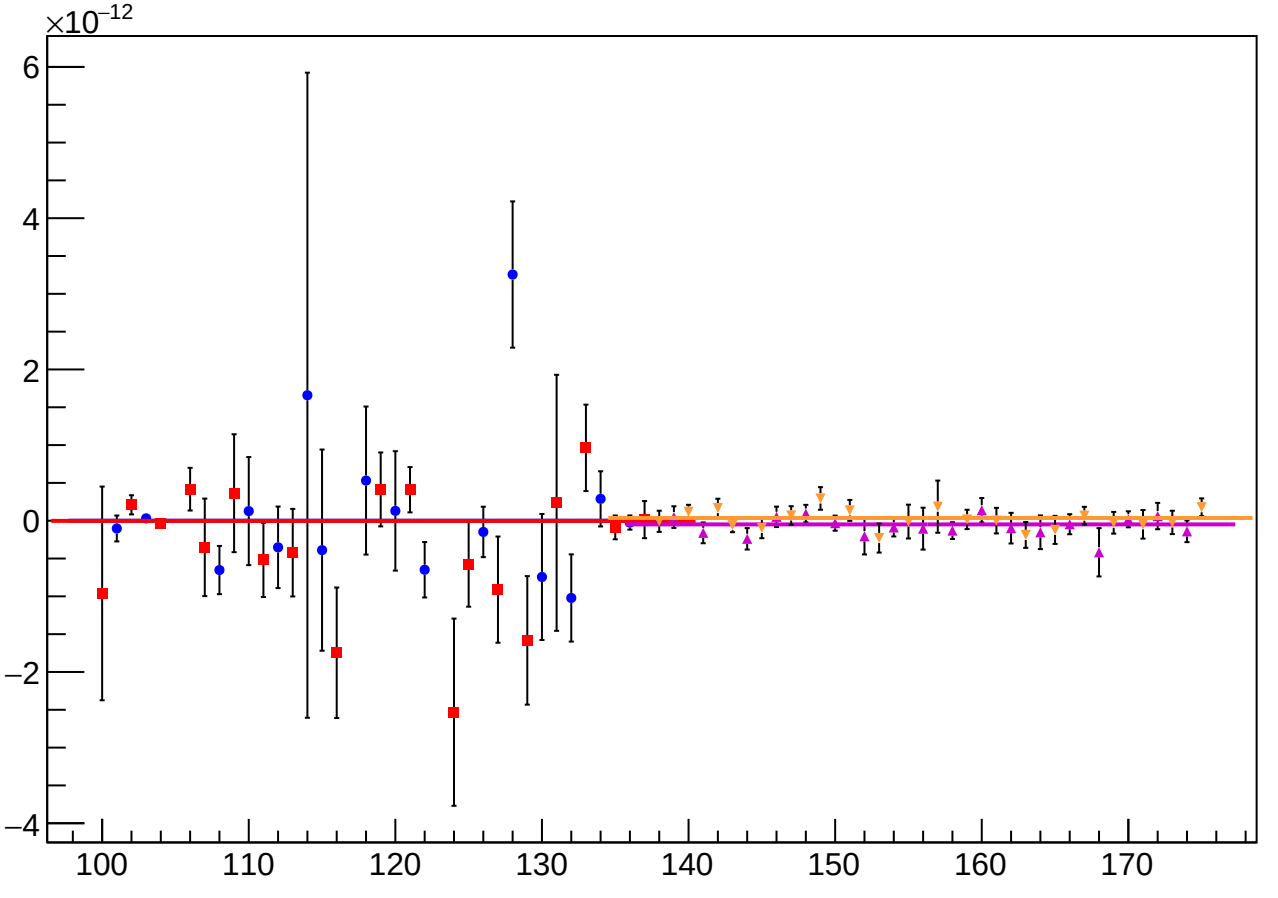
Left: 5010.165+/-0.649 χ^2/NDF: 1427657.1/37

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4462.123+/-0.710 χ^2/NDF:4561849.5/33

Out: 4467.388+/-0.693 χ^2/NDF:4132533.2/38

All: 4464.822+/-0.496 χ^2/NDF: 8694410.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/17

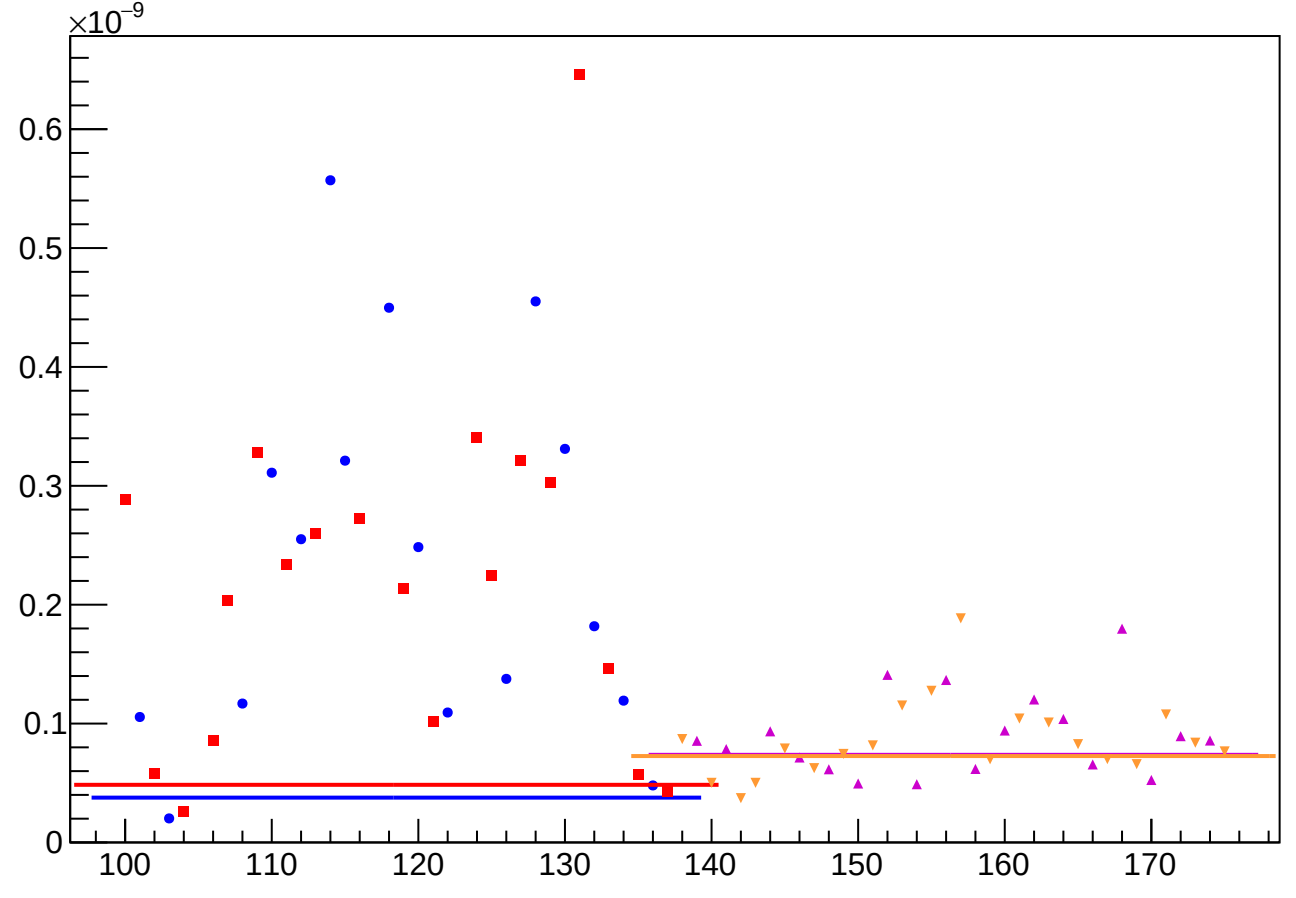
Left: -0.000+/-0.000 χ^2/NDF: 28.1/37

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.7/33

Out: 0.000+/-0.000 χ^2/NDF:43.0/38

All: -0.000+/-0.000 χ^2/NDF: 81.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1110253.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1075058.0/17

Left: 0.000+/-0.000 χ^2/NDF: 2186314.6/37

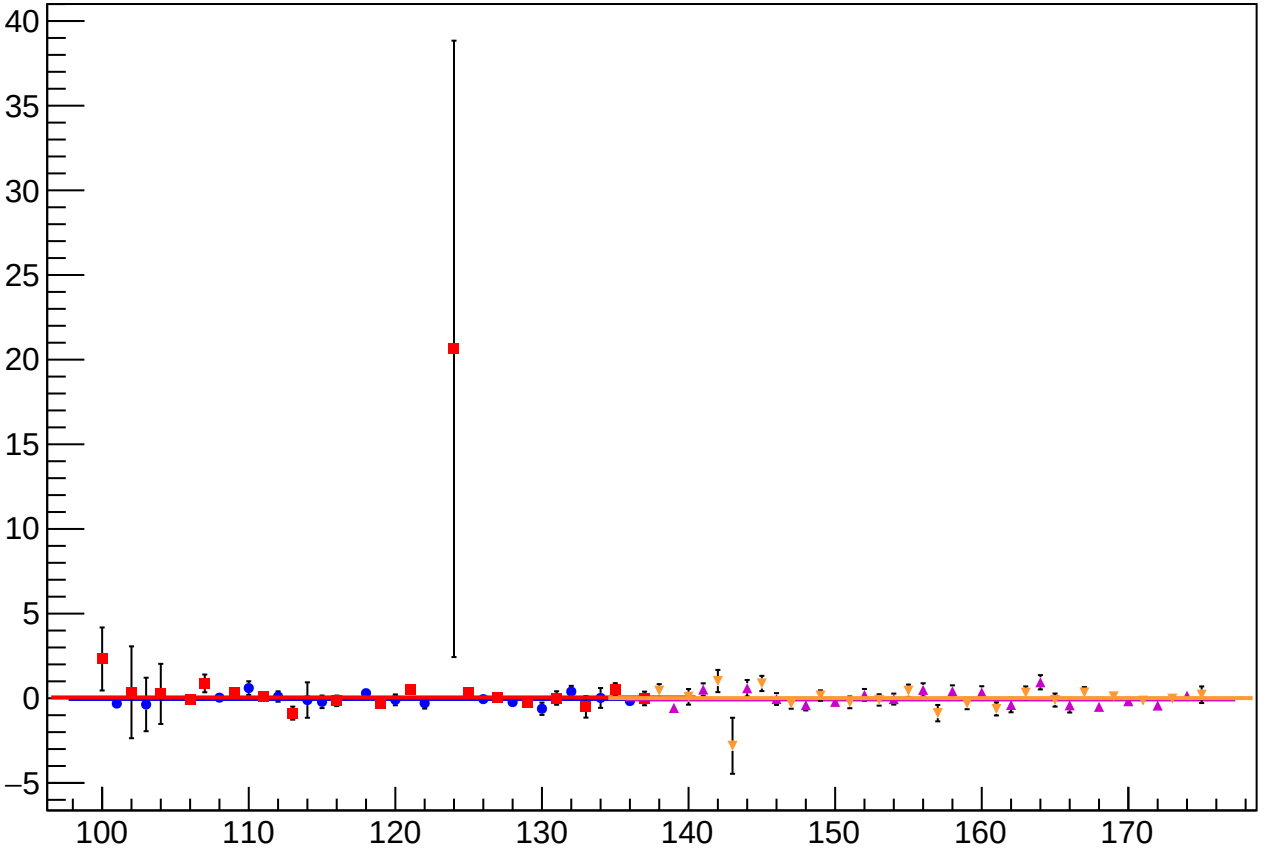
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5273152.6/33

Out: 0.000+/-0.000 χ^2/NDF:4400252.4/38

All: 0.000+/-0.000 χ^2/NDF: 9770316.4/72

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

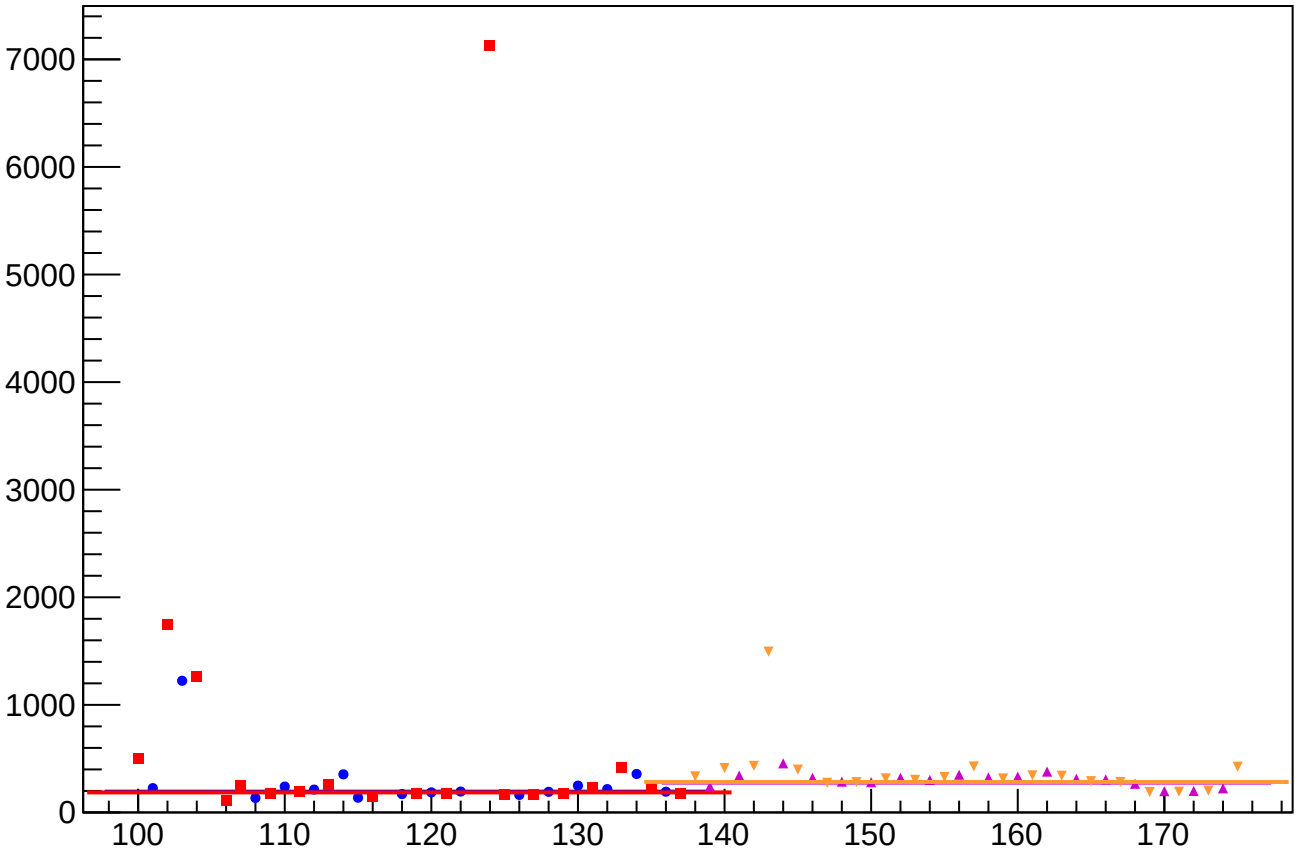
Left: -0.031+/-0.053 χ^2/NDF: 51.6/37

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.014+/-0.038 χ^2/NDF: 87.2/72



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 283.470+/-0.054 χ^2/NDF:2963202.7/19

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

Left: 280.370+/-0.038 χ^2/NDF: 4293178.4/37

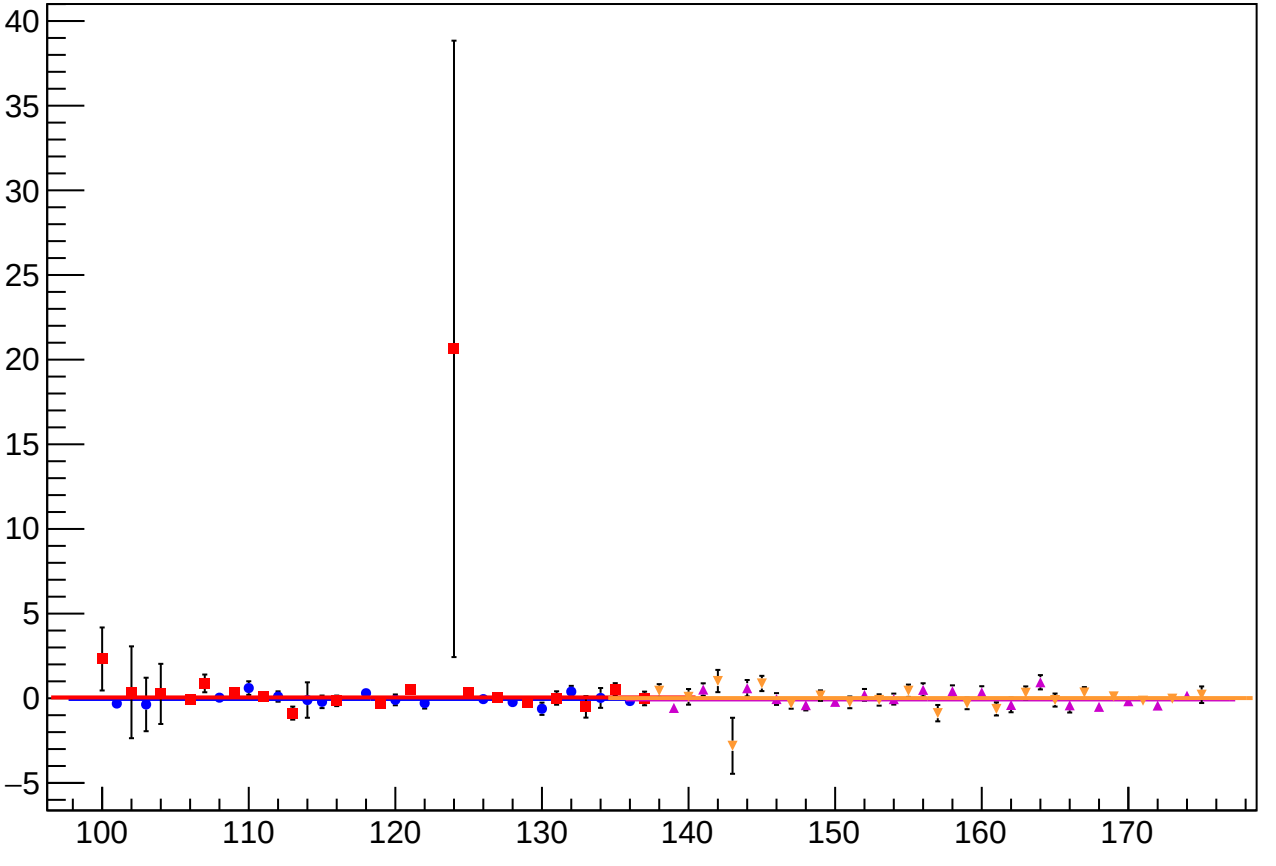
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.860+/-0.038 χ^2/NDF:3945484.2/33

Out: 236.577+/-0.039 χ^2/NDF:7012457.1/38

All: 236.721+/-0.027 χ^2/NDF: 10957968.4/72

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

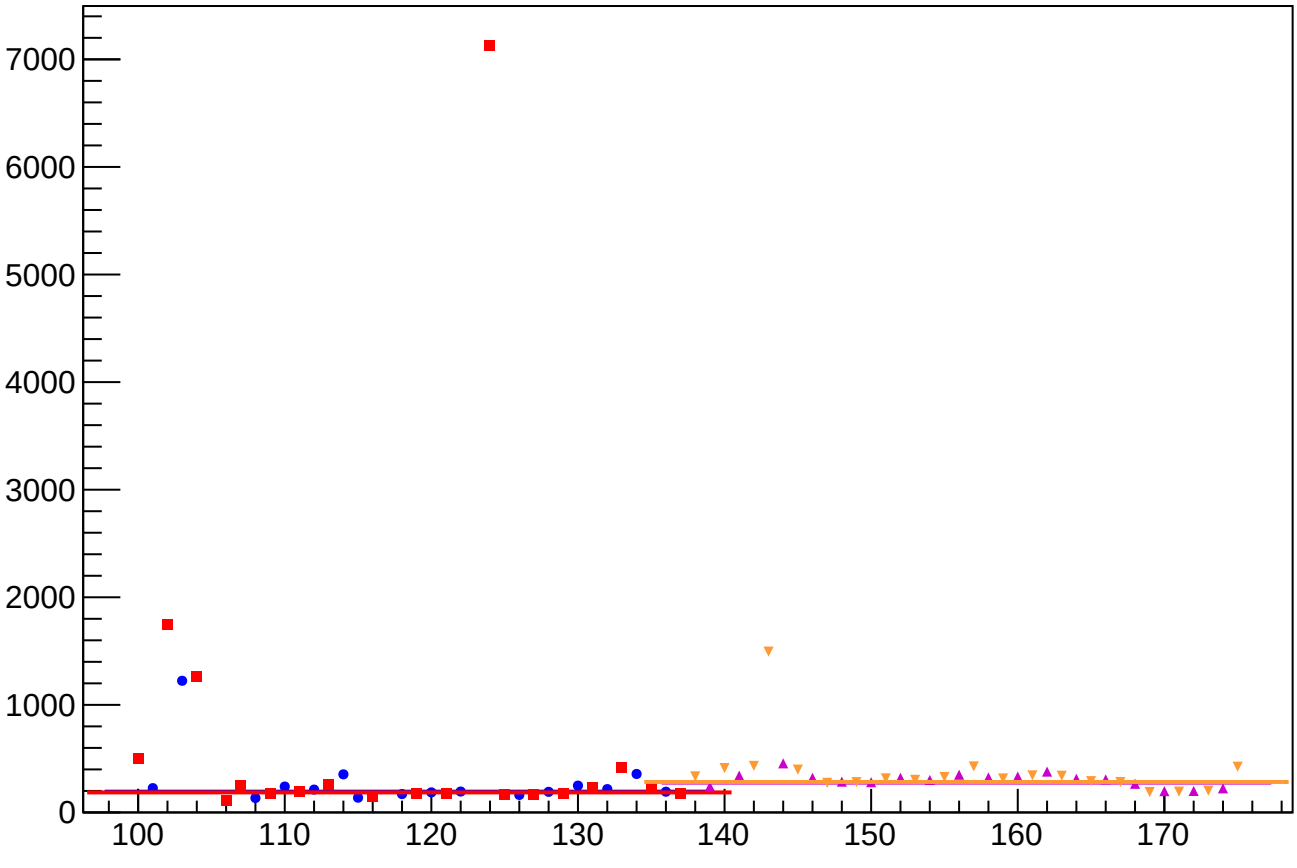
Left: -0.031+/-0.053 χ^2/NDF: 51.6/37

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.014+/-0.038 χ^2/NDF: 87.2/72



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 283.470+/-0.054 χ^2/NDF:2963202.7/19

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

Left: 280.370+/-0.038 χ^2/NDF: 4293178.4/37

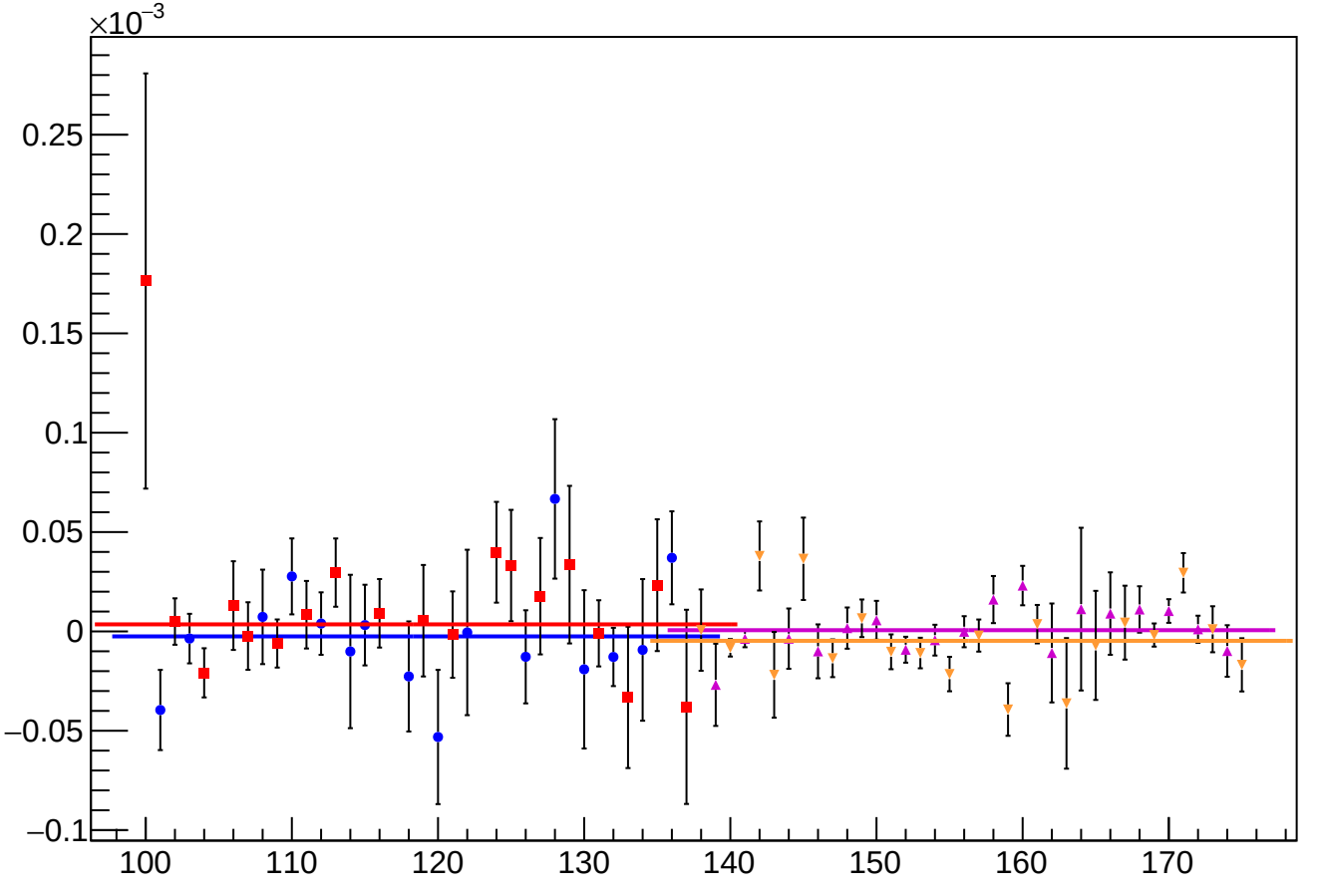
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.860+/-0.038 χ^2/NDF:3945484.2/33

Out: 236.577+/-0.039 χ^2/NDF:7012457.1/38

All: 236.721+/-0.027 χ^2/NDF: 10957968.4/72

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/17

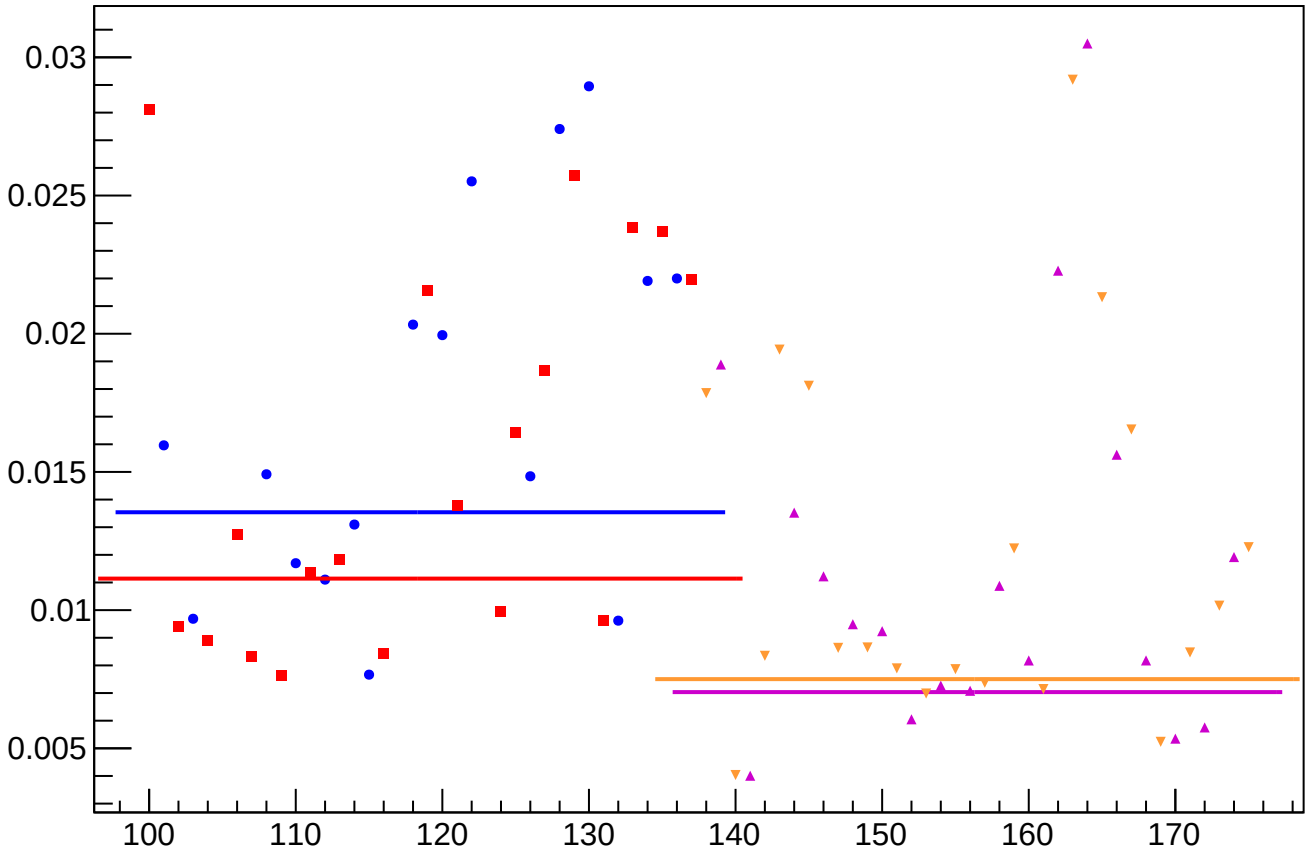
Left: -0.000+/-0.000 χ^2/NDF: 61.5/37

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:33.9/33

Out: -0.000+/-0.000 χ^2/NDF:59.6/38

All: -0.000+/-0.000 χ^2/NDF: 95.0/72



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:5761233.2/19

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5001205.0/17

Left: 0.007+/-0.000 χ^2/NDF: 10811454.1/37

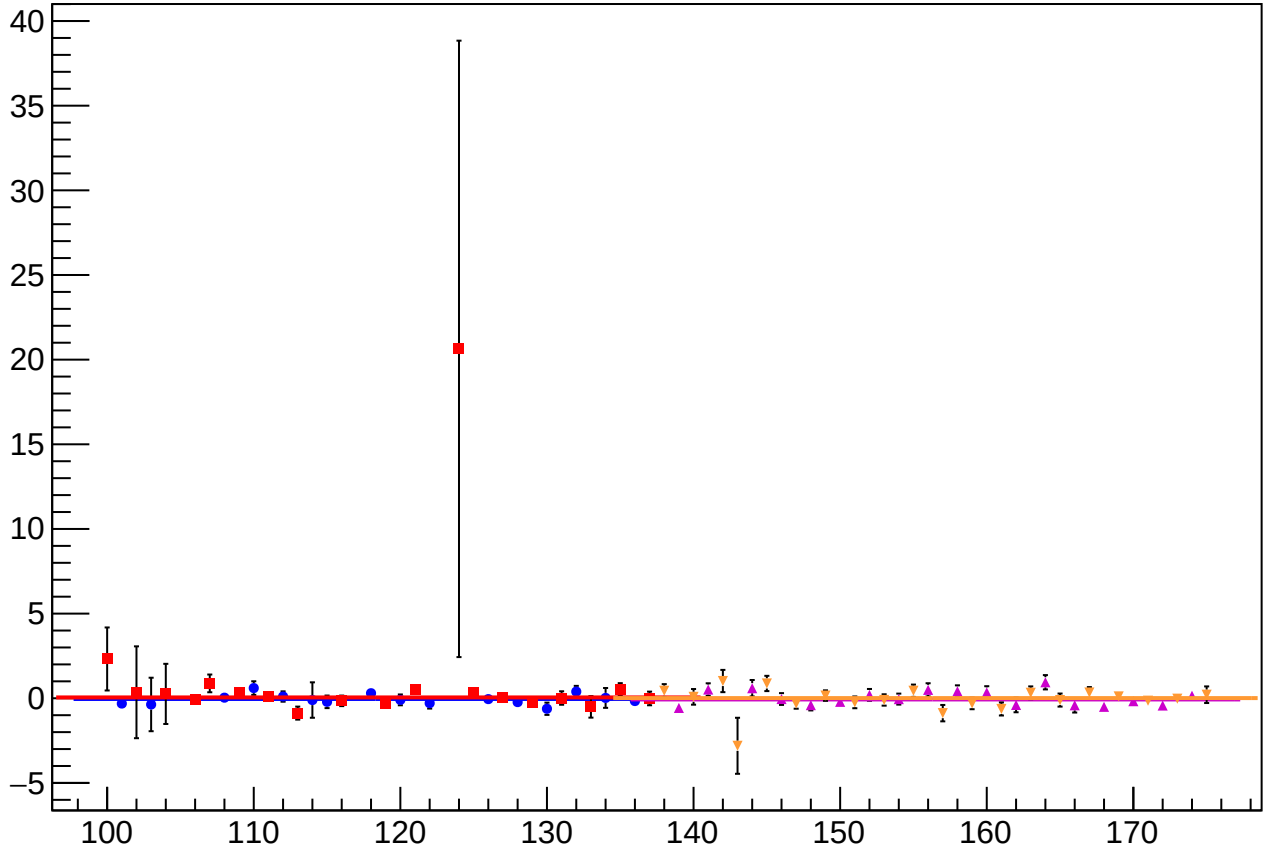
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:9360900.7/33

Out: 0.008+/-0.000 χ^2/NDF:8727320.4/38

All: 0.008+/-0.000 χ^2/NDF: 18114795.1/72

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

Left: -0.031+/-0.053 χ^2/NDF: 51.6/37

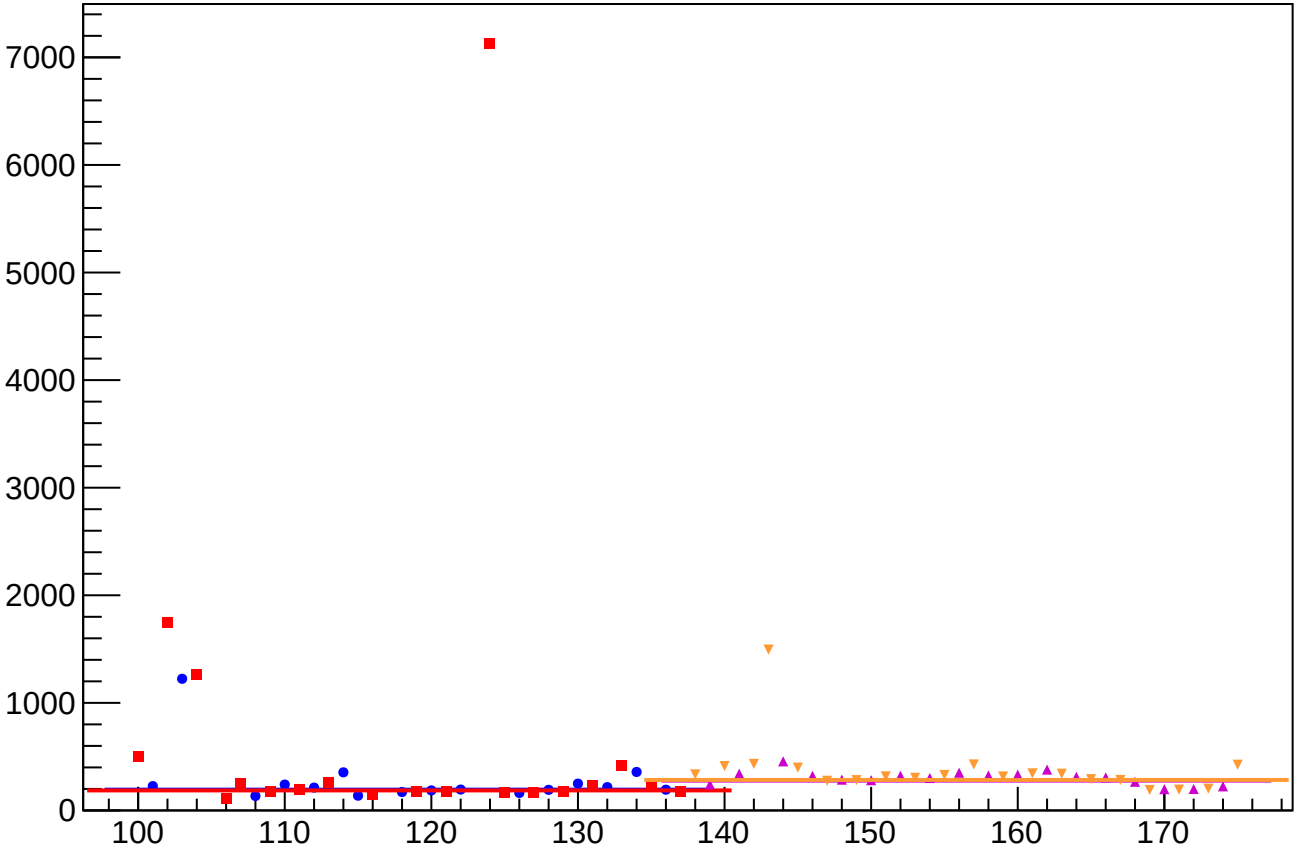
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.014+/-0.038 χ^2/NDF: 87.2/72

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 283.472+/-0.054 χ^2/NDF:2963269.9/19

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

Left: 280.373+/-0.038 χ^2/NDF: 4293295.3/37

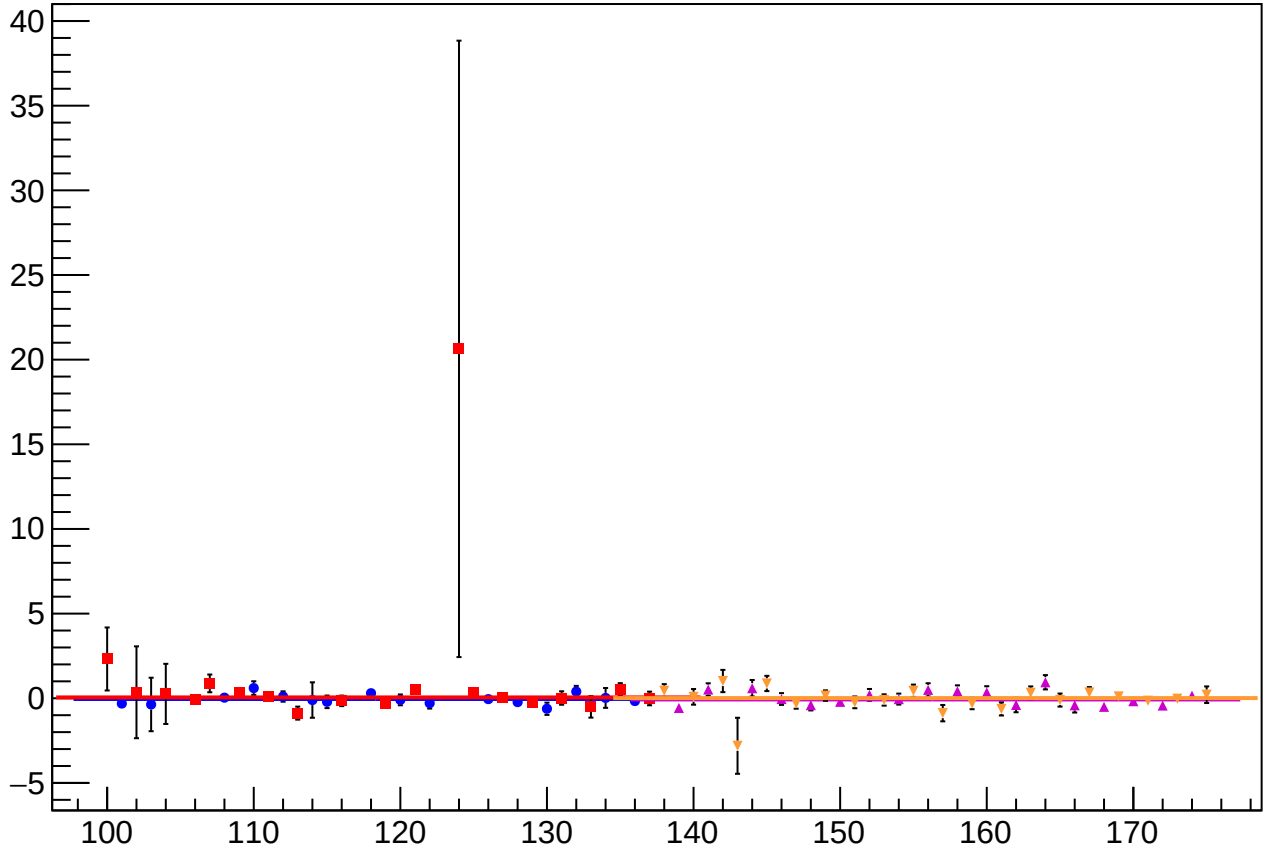
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.860+/-0.038 χ^2/NDF:3945650.5/33

Out: 236.576+/-0.039 χ^2/NDF:7012703.8/38

All: 236.720+/-0.027 χ^2/NDF: 10958381.6/72

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

Left: -0.031+/-0.053 χ^2/NDF: 51.6/37

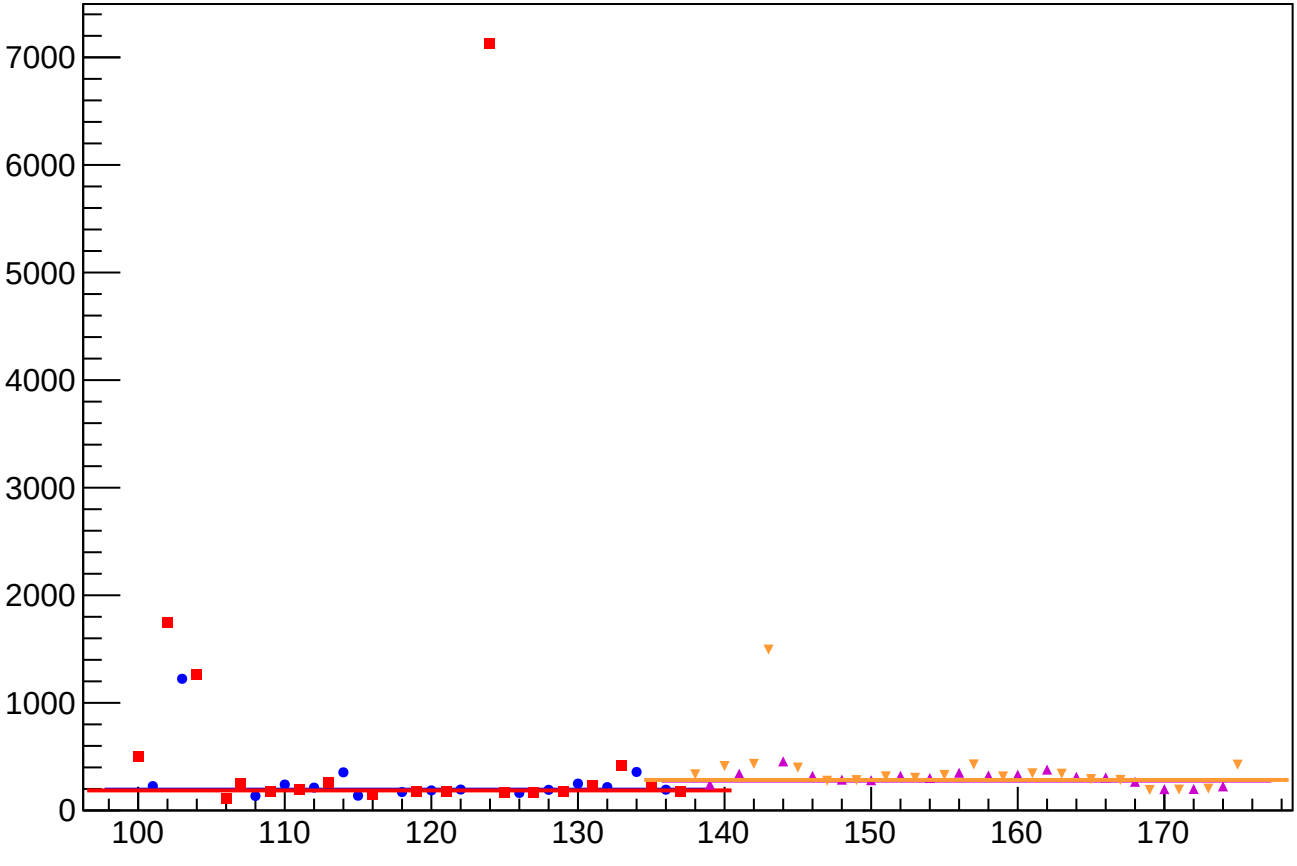
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.014+/-0.038 χ^2/NDF: 87.2/72

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 283.472+/-0.054 χ^2/NDF:2963269.9/19

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

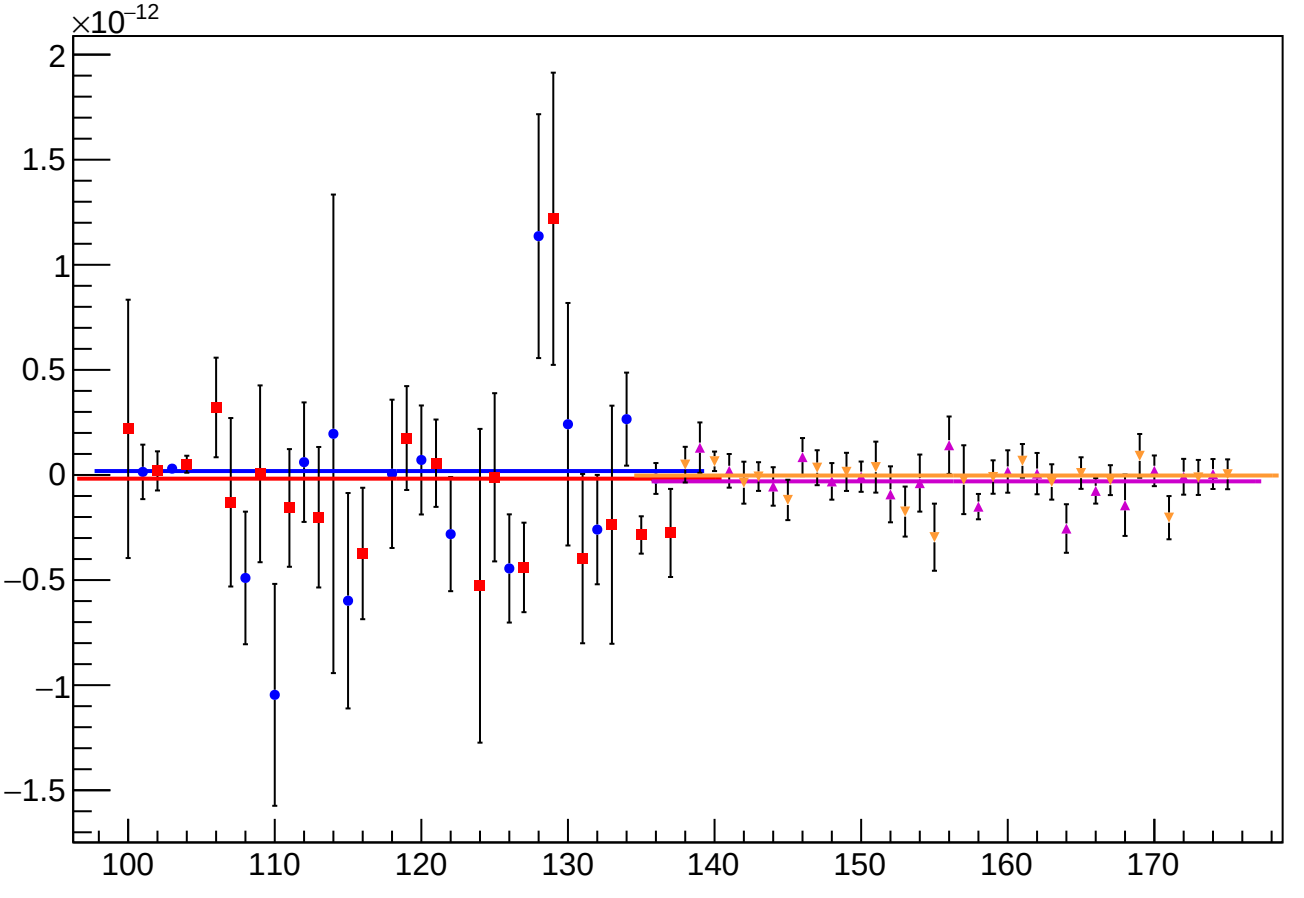
Left: 280.373+/-0.038 χ^2/NDF: 4293295.3/37

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.860+/-0.038 χ^2/NDF:3945650.5/33

Out: 236.576+/-0.039 χ^2/NDF:7012703.8/38

All: 236.720+/-0.027 χ^2/NDF: 10958381.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

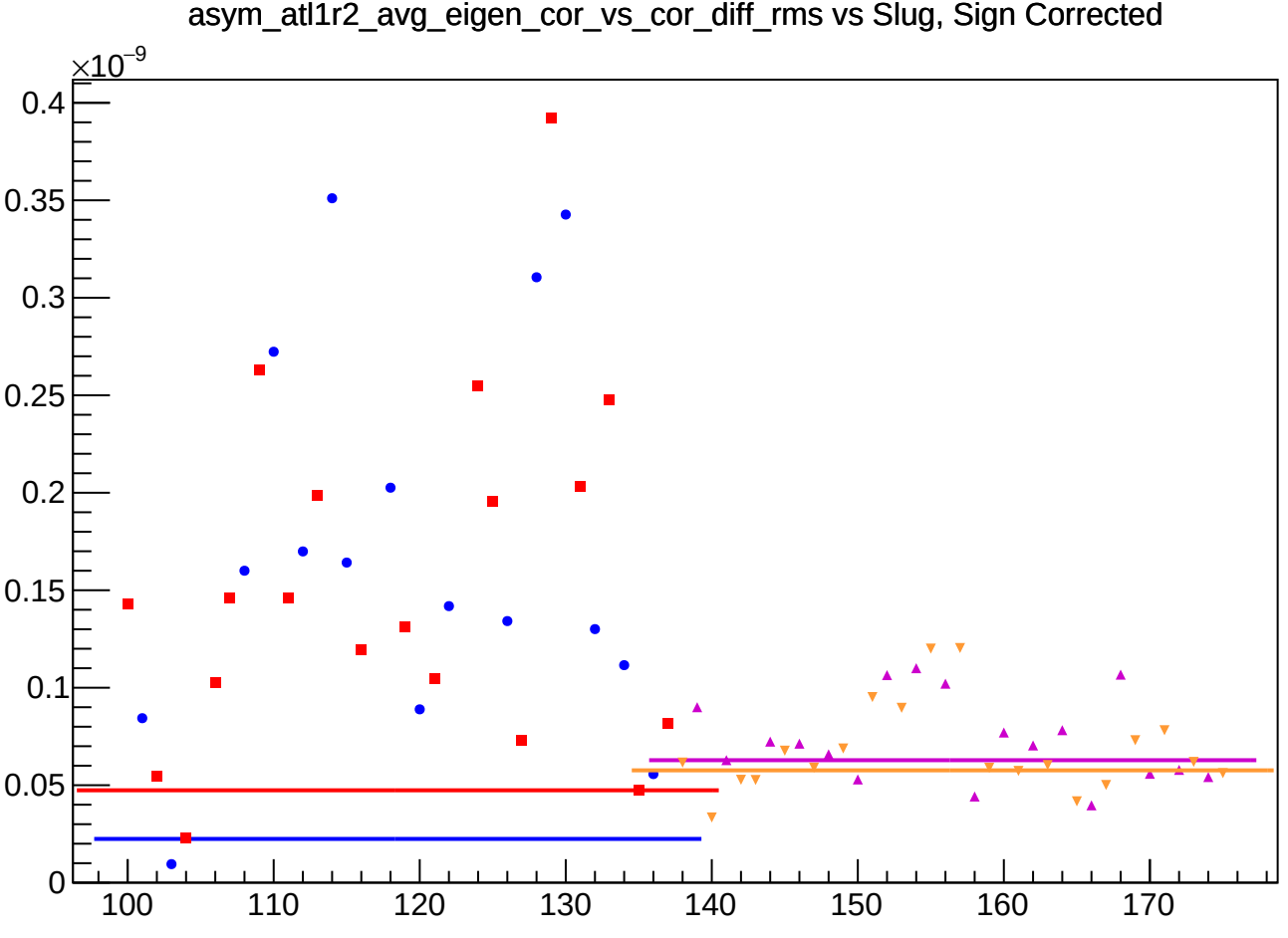
Left: -0.000+/-0.000 χ^2/NDF: 32.4/37

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:38.1/33

Out: -0.000+/-0.000 χ^2/NDF:42.9/38

All: -0.000+/-0.000 χ^2/NDF: 80.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1796783.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1607212.3/17

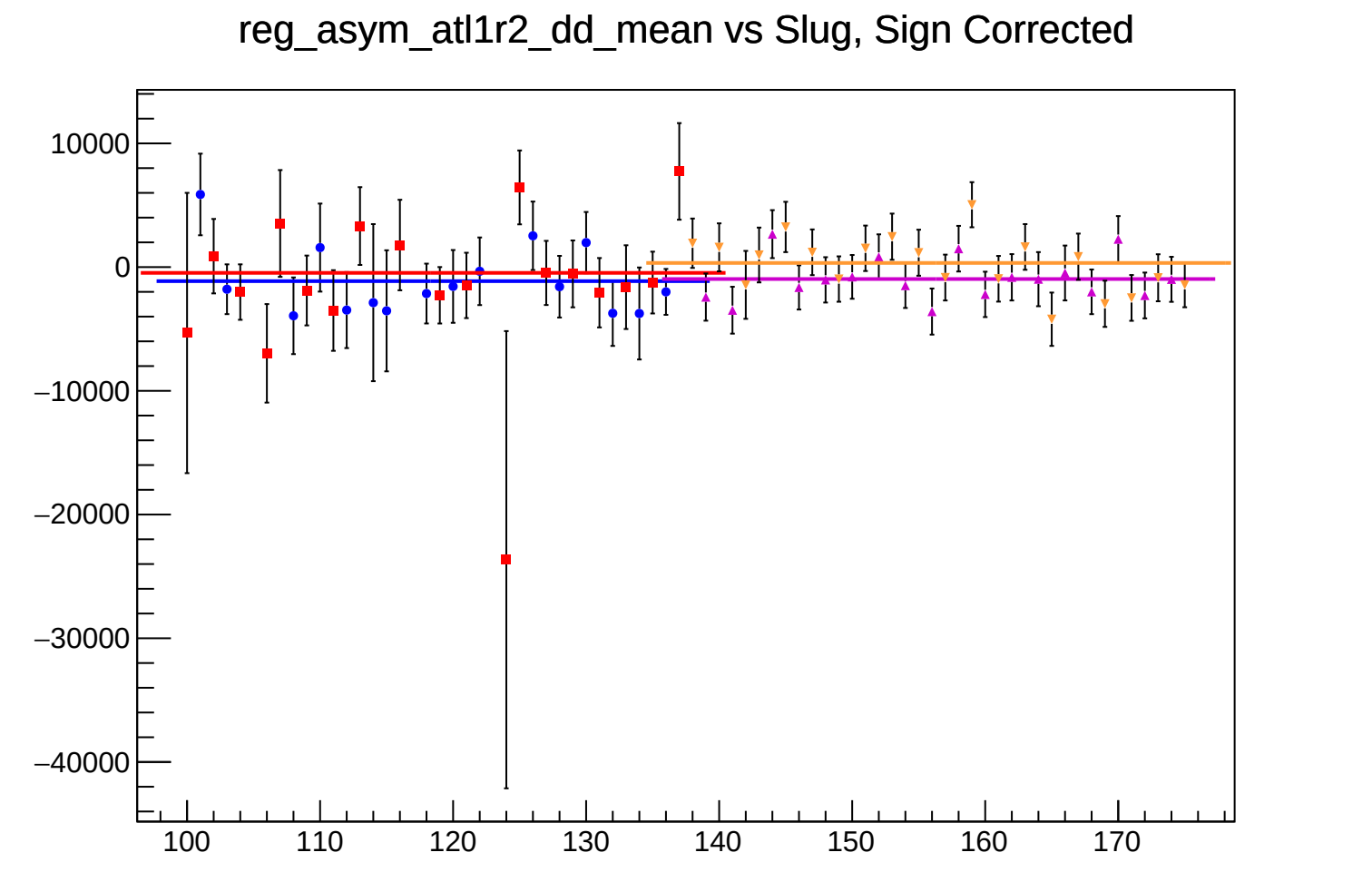
Left: 0.000+/-0.000 χ^2/NDF: 3473878.1/37

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11852263.9/33

Out: 0.000+/-0.000 χ^2/NDF:6191124.5/38

All: 0.000+/-0.000 χ^2/NDF: 18690880.9/72



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.508+/-430.370 χ^2/NDF:25.6/19

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -962.820+/-441.756 χ^2/NDF:15.2/17

Left: -296.196+/-308.264 χ^2/NDF: 45.2/37

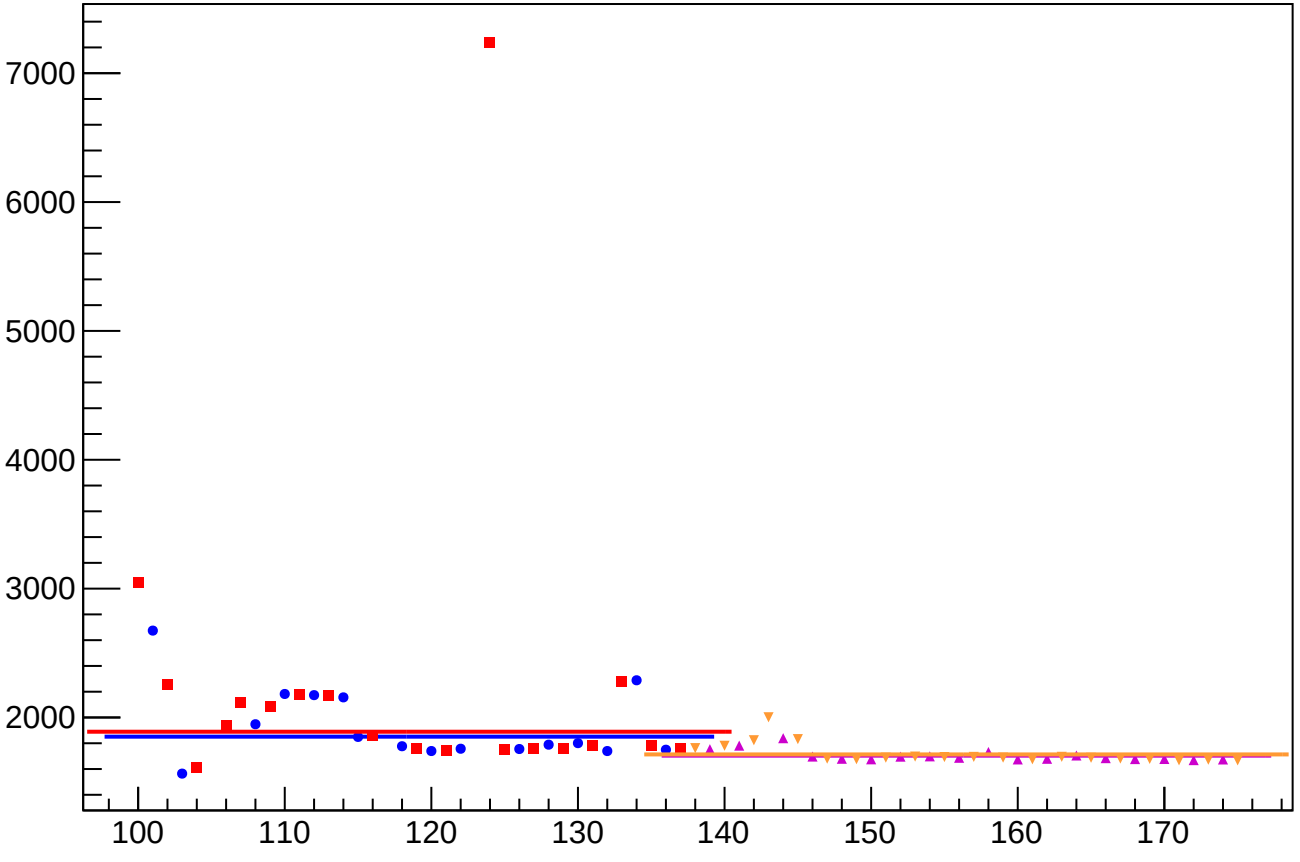
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1012.383+/-372.629 χ^2/NDF:27.5/33

Out: 119.187+/-367.465 χ^2/NDF:46.5/38

All: -438.702+/-261.644 χ^2/NDF: 78.7/72

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

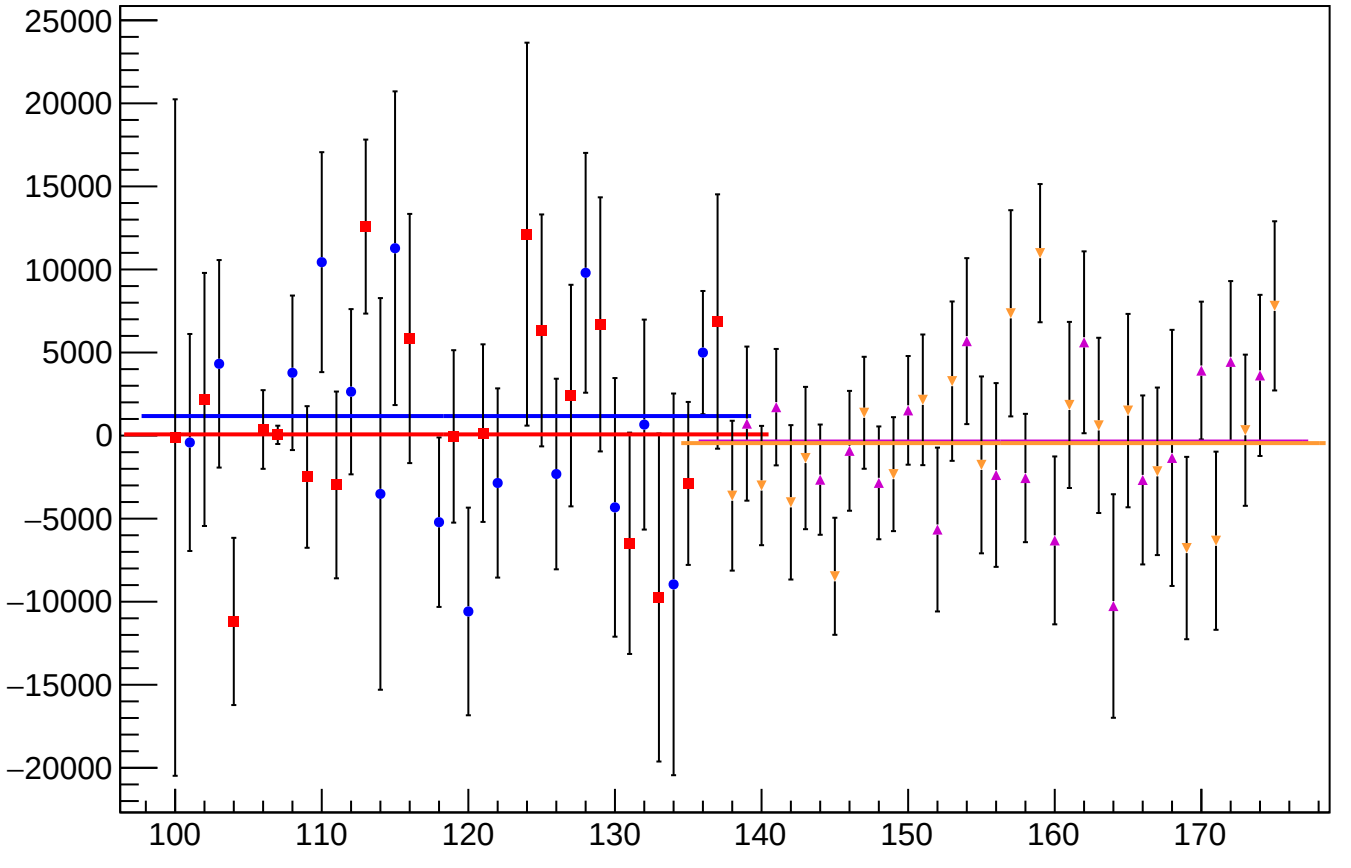
Left: 1708.611+/-0.218 χ^2/NDF: 76000.6/37

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1746.204+/-0.263 χ^2/NDF:343407.7/33

Out: 1761.218+/-0.260 χ^2/NDF:506448.7/38

All: 1753.821+/-0.185 χ^2/NDF: 851503.5/72



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -453.100+/-996.103 χ^2/NDF:23.3/19

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -357.410+/-1026.175 χ^2/NDF:12.5/17

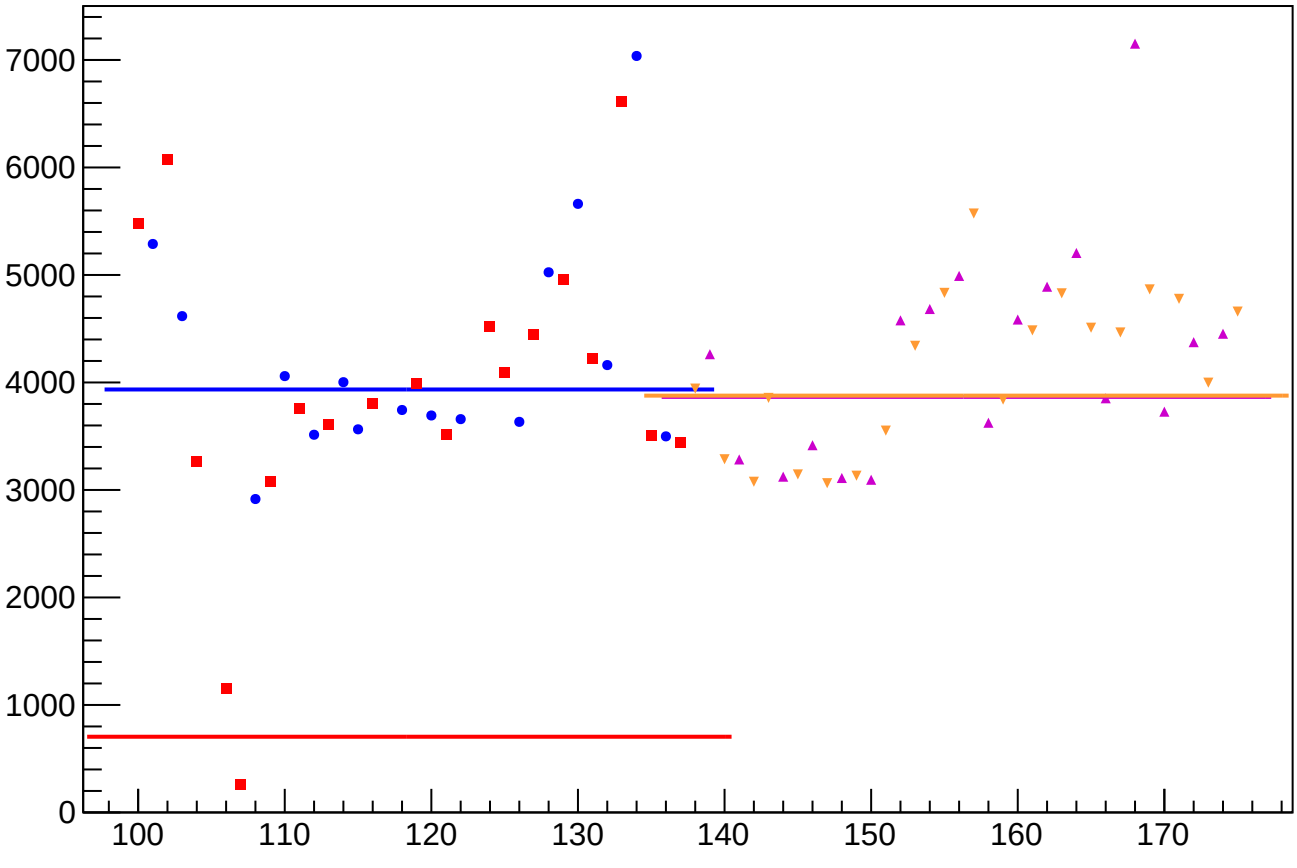
Left: -406.678+/-714.746 χ^2/NDF: 35.8/37

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 130.328+/-847.329 χ^2/NDF:27.0/33

Out: -35.060+/-450.914 χ^2/NDF:41.5/38

All: 1.440+/-398.059 χ^2/NDF: 68.4/72



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3877.545+/-0.704 χ^2/NDF:973045.0/19

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3865.559+/-0.726 χ^2/NDF:1203172.0/17

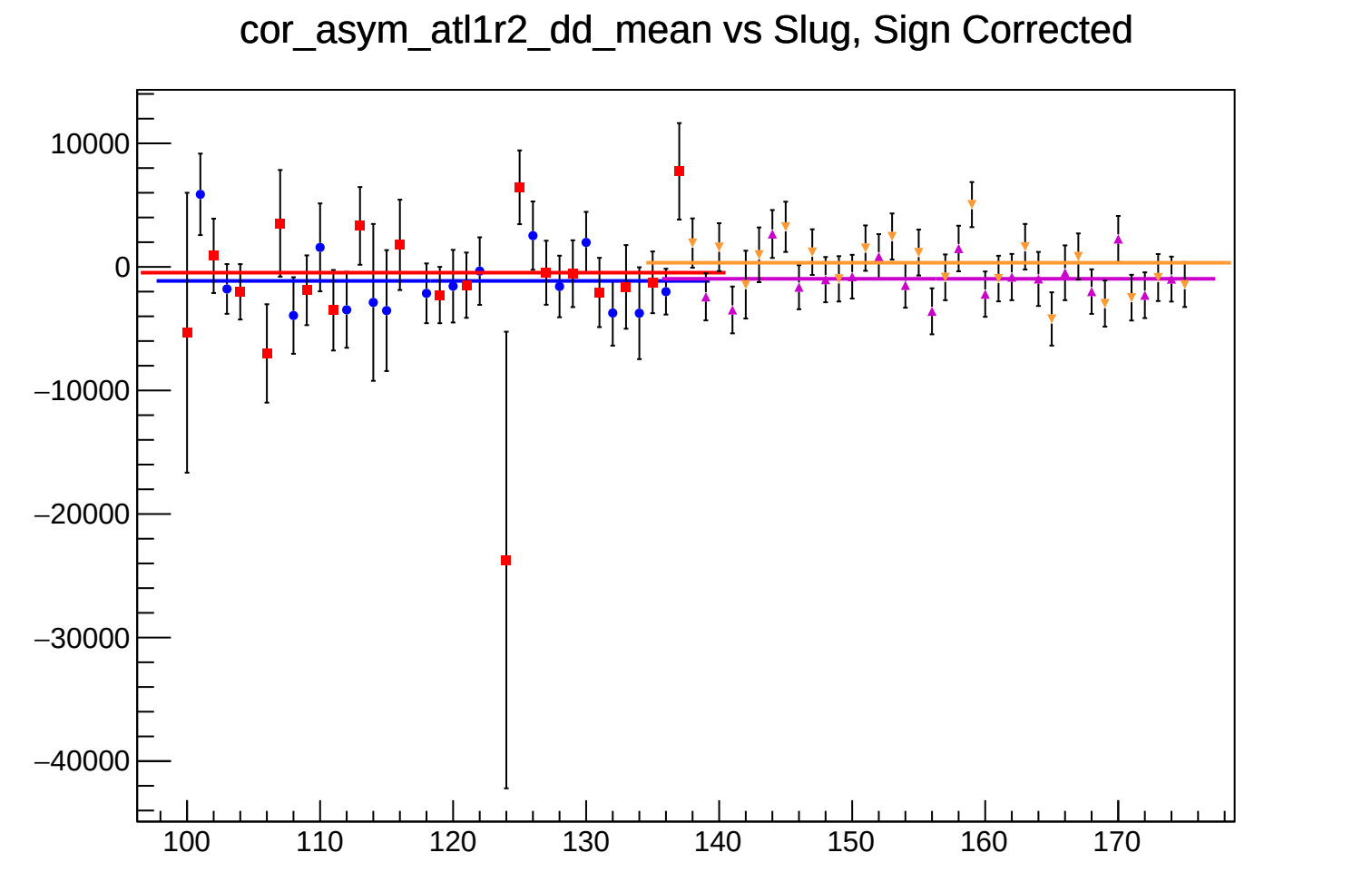
Left: 3871.730+/-0.505 χ^2/NDF: 2176357.4/37

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

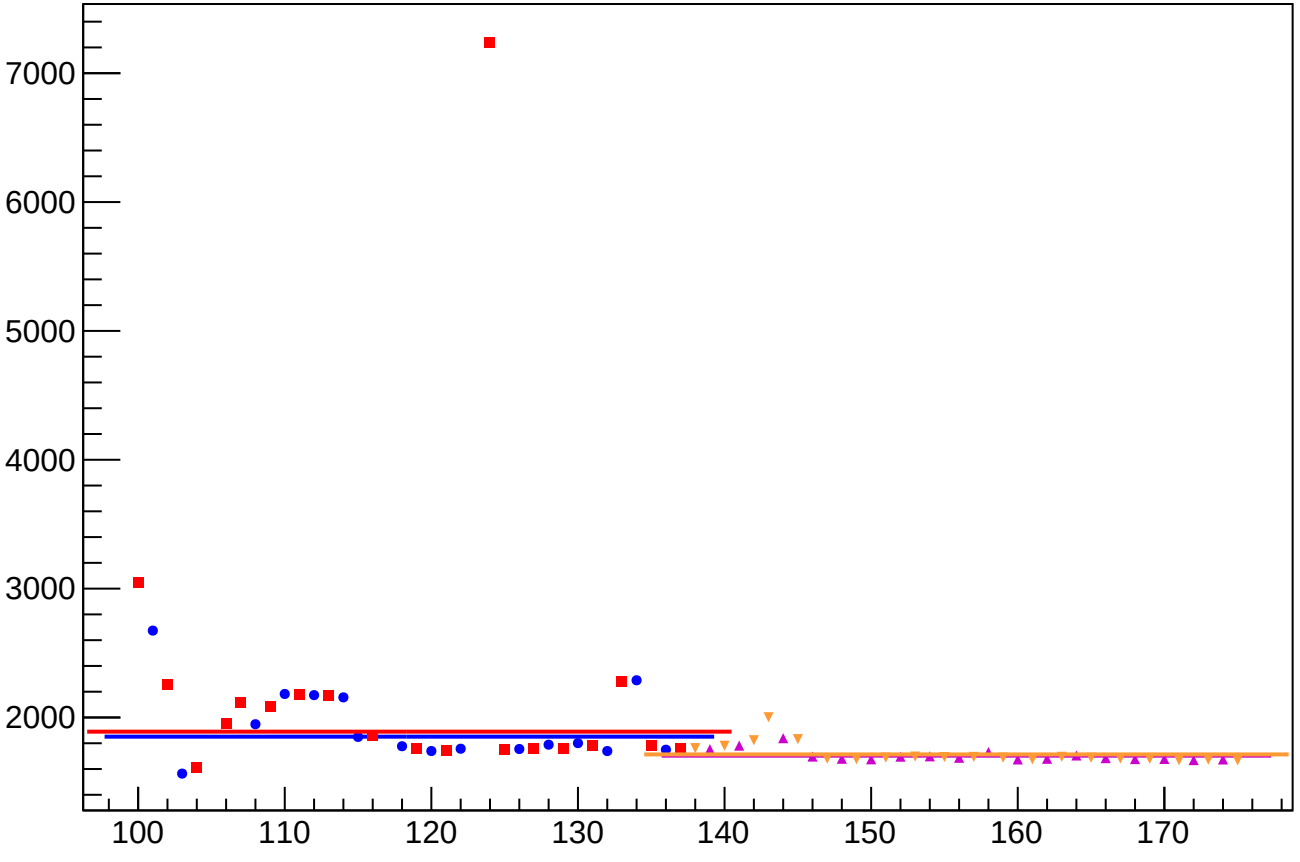
In: 3887.565+/-0.599 χ^2/NDF:1766188.1/33

Out: 1354.620+/-0.319 χ^2/NDF:27728504.7/38

All: 1913.625+/-0.281 χ^2/NDF: 43422578.1/7


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 336.568+/-430.370 χ²/NDF:25.6/19
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -962.716+/-441.756 χ²/NDF:15.2/17
Left: -296.114+/-308.264 χ²/NDF: 45.2/37
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1012.185+/-372.629 χ²/NDF:27.5/33
Out: 119.129+/-367.465 χ²/NDF:46.6/38
All: -438.634+/-261.644 χ²/NDF: 78.7/72

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

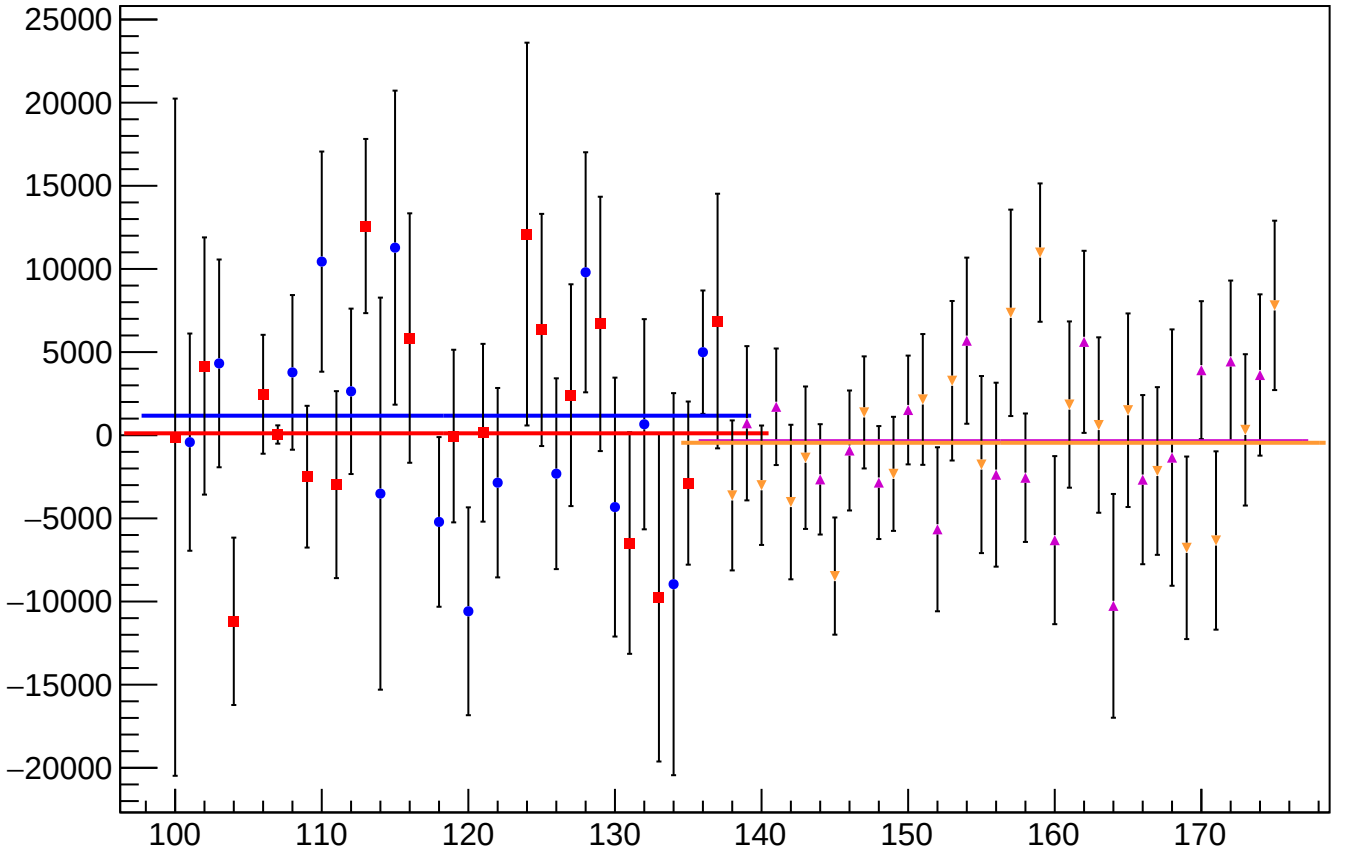
Left: 1708.611+/-0.218 χ^2/NDF: 76000.6/37

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1746.204+/-0.263 χ^2/NDF:343407.2/33

Out: 1761.327+/-0.260 χ^2/NDF:507112.9/38

All: 1753.875+/-0.185 χ^2/NDF: 852191.0/72



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -357.378+/-1026.175 χ^2/NDF:12.5/17

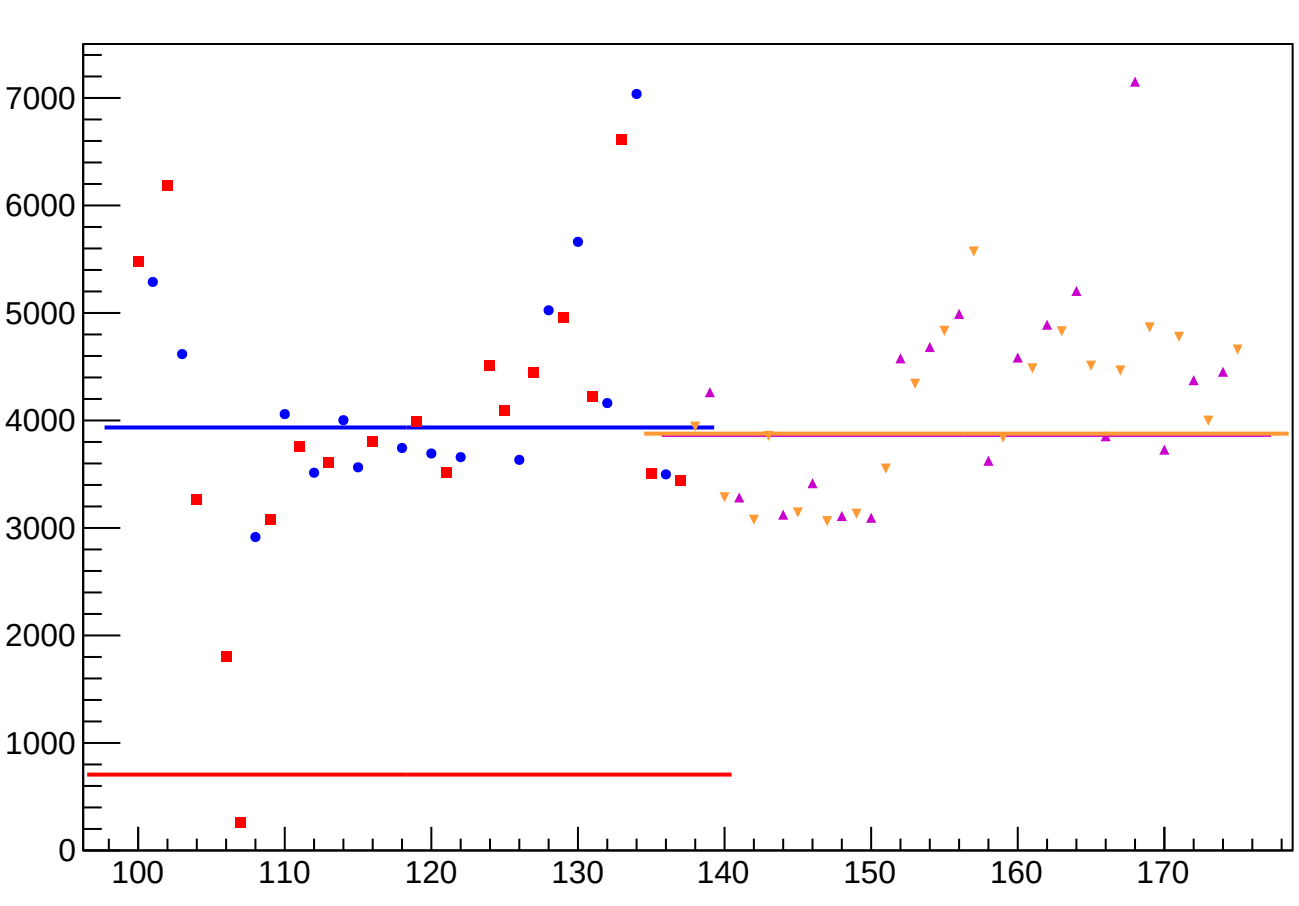
Left: -406.663+/-714.745 χ^2/NDF: 35.8/37

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 130.341+/-847.330 χ^2/NDF:27.0/33

Out: -3.107+/-455.571 χ^2/NDF:42.1/38

All: 26.819+/-401.252 χ^2/NDF: 69.1/72



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

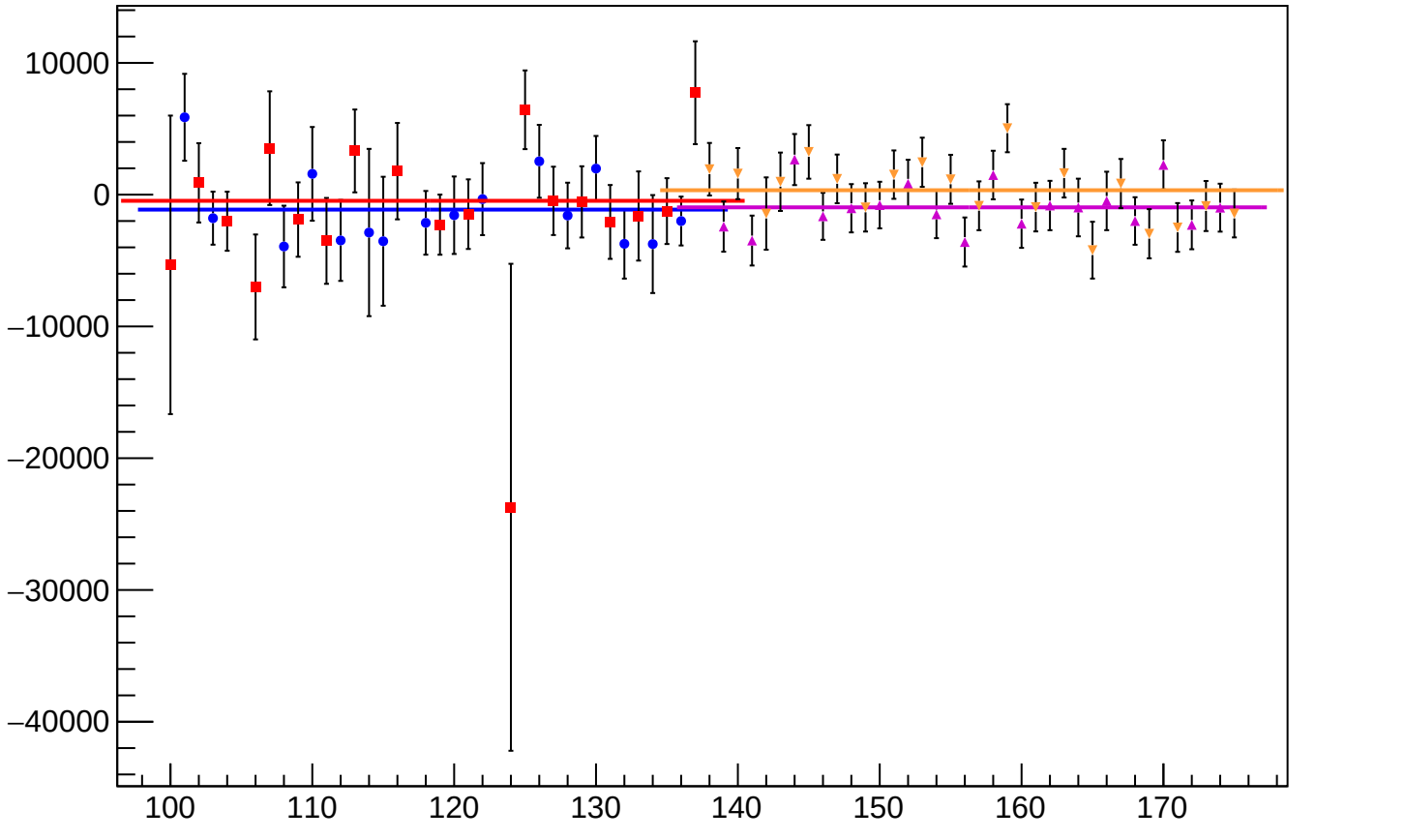
Left: 3871.725+/-0.505 χ^2/NDF: 2176355.1/37

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3887.567+/-0.599 χ^2/NDF:1766201.1/33

Out: 1369.098+/-0.322 χ^2/NDF:27758188.5/38

All: 1933.861+/-0.284 χ^2/NDF: 43230698.8/7



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -962.716+/-441.756 χ^2/NDF:15.2/17

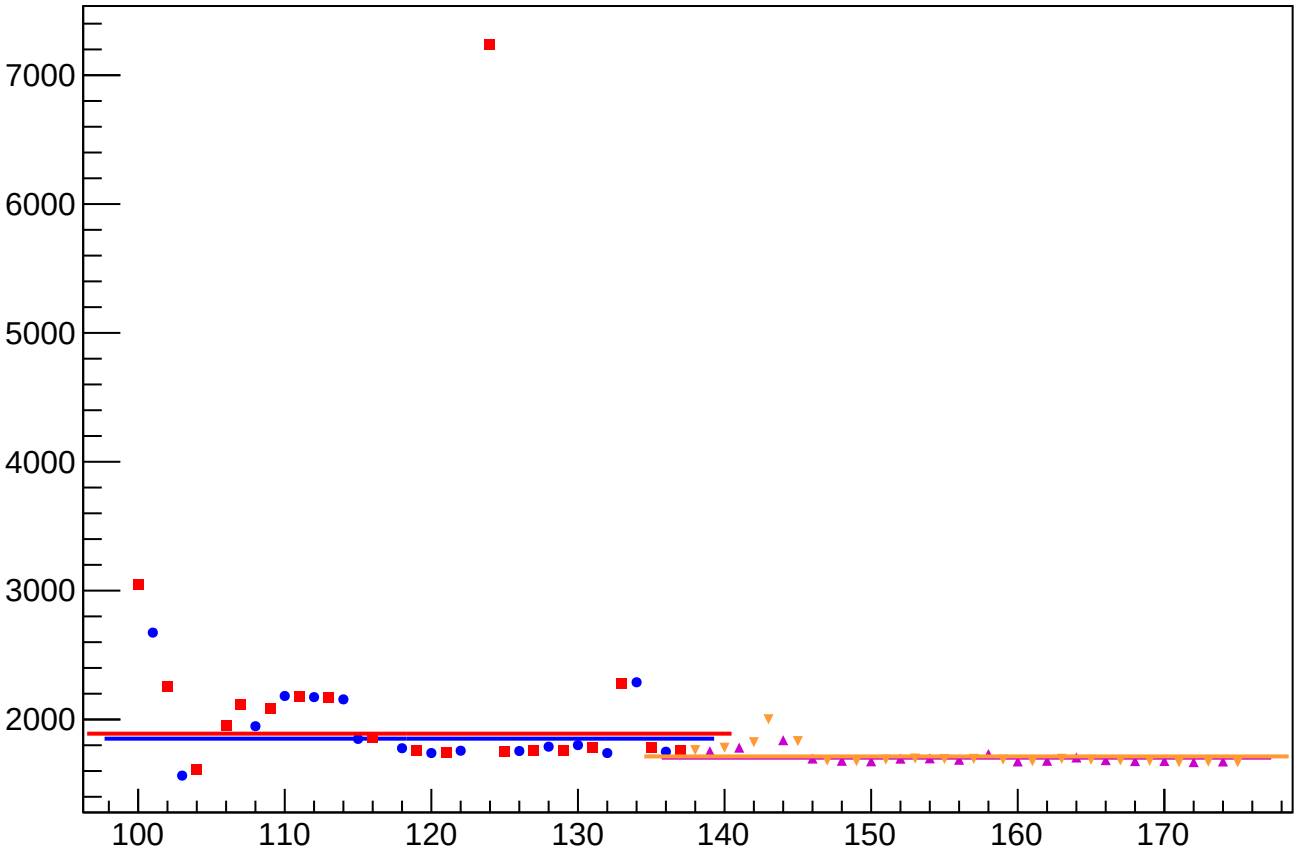
Left: -296.114+/-308.264 χ^2/NDF: 45.2/37

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1012.185+/-372.629 χ^2/NDF:27.5/33

Out: 119.129+/-367.465 χ^2/NDF:46.6/38

All: -438.634+/-261.644 χ^2/NDF: 78.7/72



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

Left: 1708.611+/-0.218 χ^2/NDF: 76000.6/37

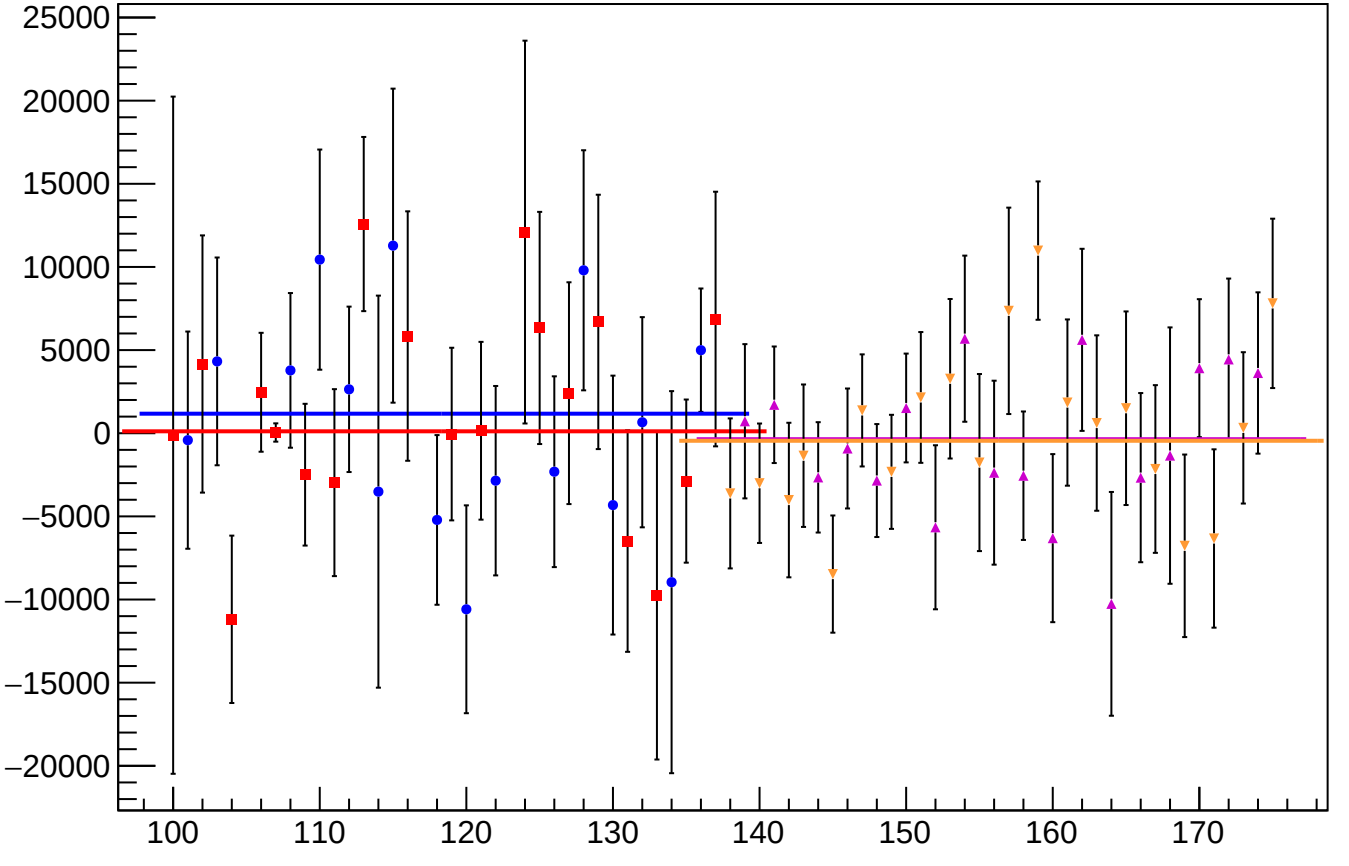
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1746.204+/-0.263 χ^2/NDF:343407.2/33

Out: 1761.327+/-0.260 χ^2/NDF:507112.9/38

All: 1753.875+/-0.185 χ^2/NDF: 852191.0/72

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -357.378+/-1026.175 χ^2/NDF:12.5/17

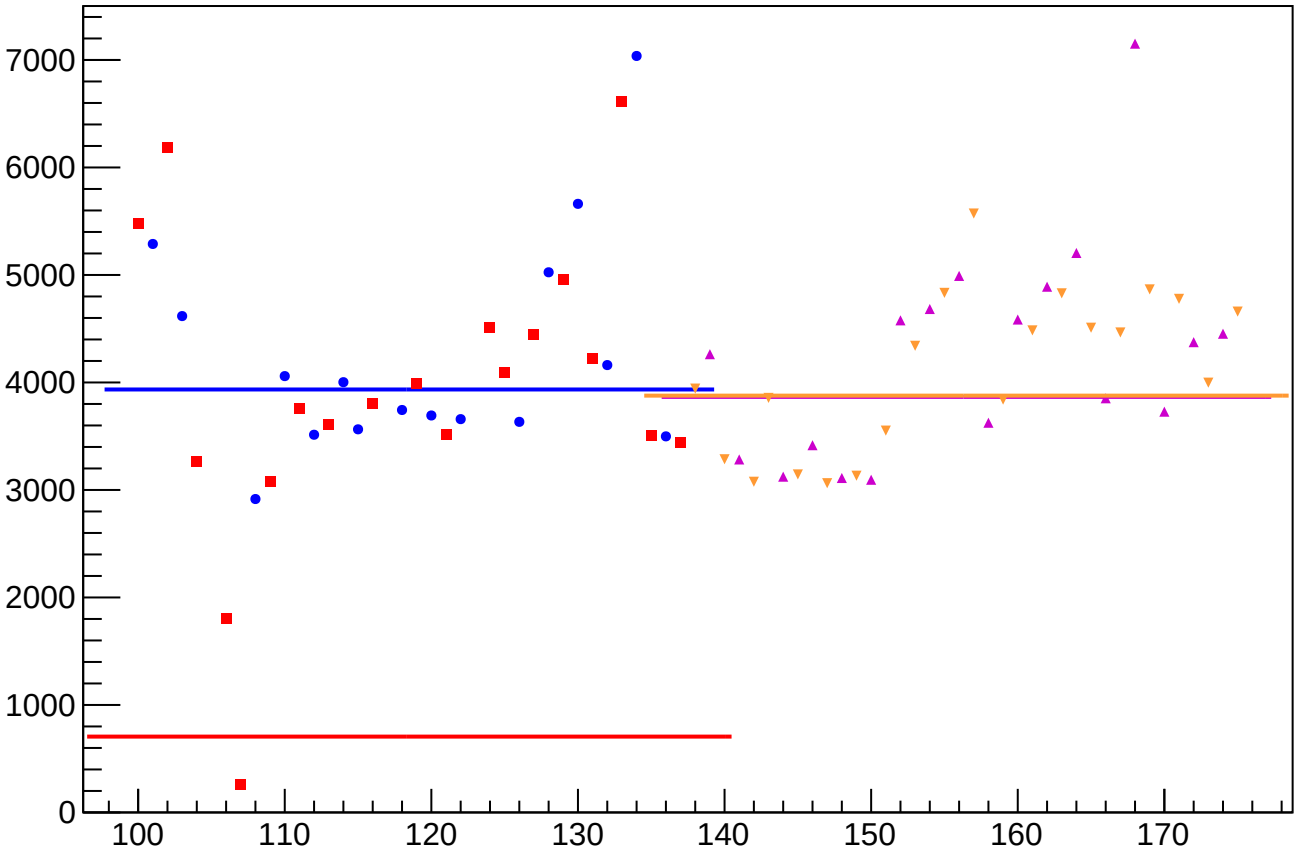
Left: -406.663+/-714.745 χ^2/NDF: 35.8/37

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 130.341+/-847.330 χ^2/NDF:27.0/33

Out: -3.107+/-455.571 χ^2/NDF:42.1/38

All: 26.819+/-401.252 χ^2/NDF: 69.1/72



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

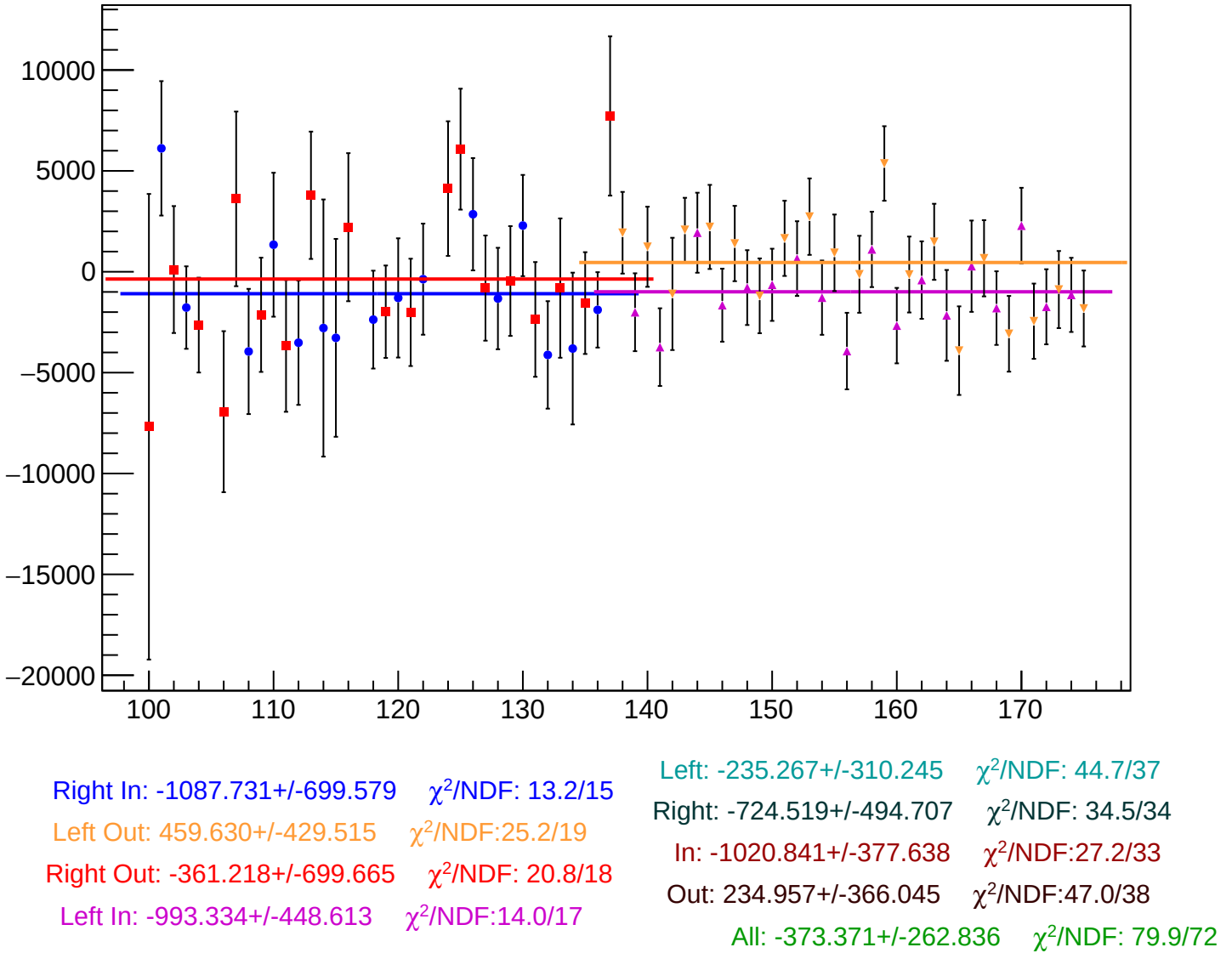
Left: 3871.725+/-0.505 χ^2/NDF: 2176355.1/37

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

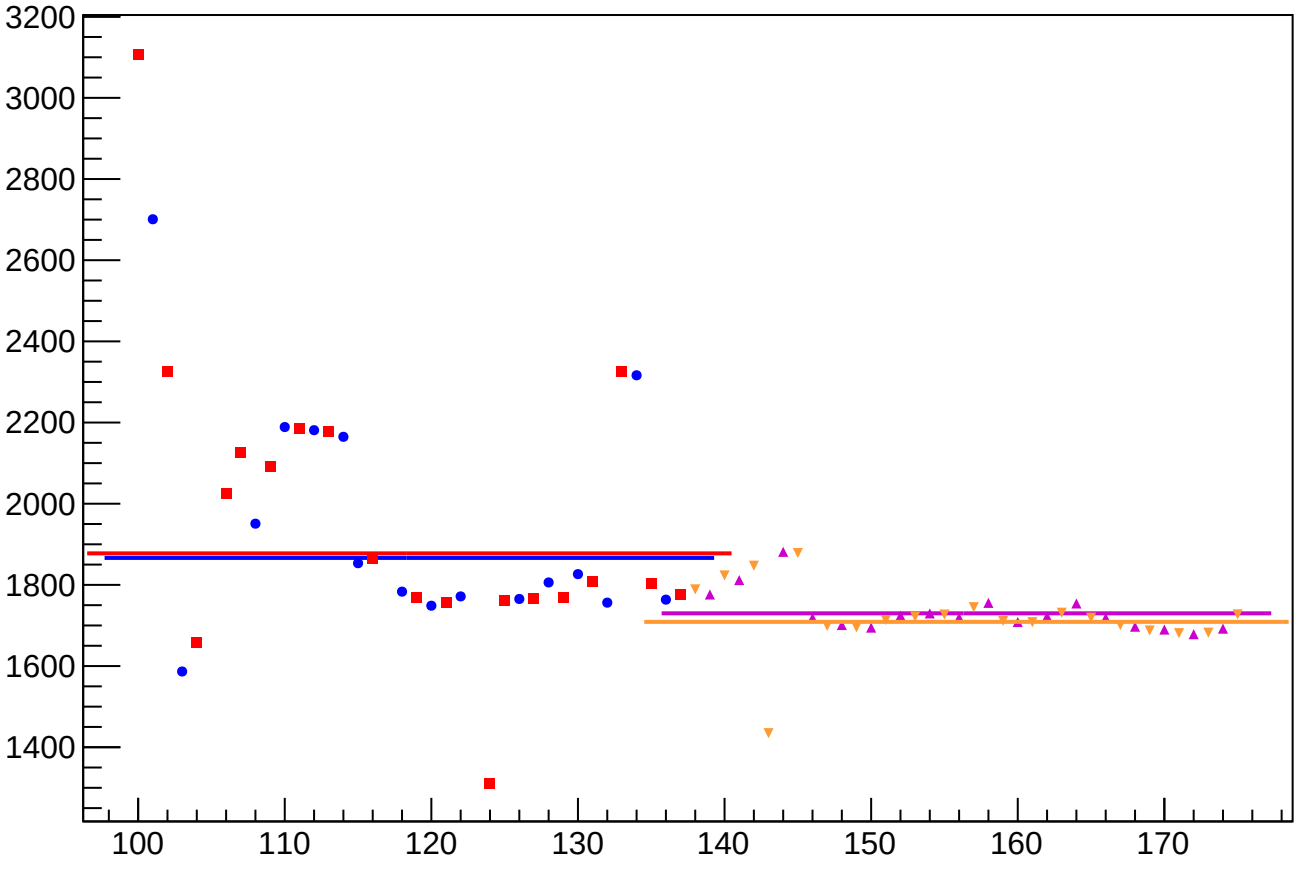
In: 3887.567+/-0.599 χ^2/NDF:1766201.1/33

Out: 1369.098+/-0.322 χ^2/NDF:27758188.5/38

All: 1933.861+/-0.284 χ^2/NDF: 43230698.8/7


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 459.630+/-429.515 χ²/NDF:25.2/19
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -993.334+/-448.613 χ²/NDF:14.0/17
Left: -235.267+/-310.245 χ²/NDF: 44.7/37
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1020.841+/-377.638 χ²/NDF:27.2/33
Out: 234.957+/-366.045 χ²/NDF:47.0/38
All: -373.371+/-262.836 χ²/NDF: 79.9/72

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.918+/-0.304 χ^2/NDF:90424.8/19

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1729.965+/-0.317 χ^2/NDF:22749.1/17

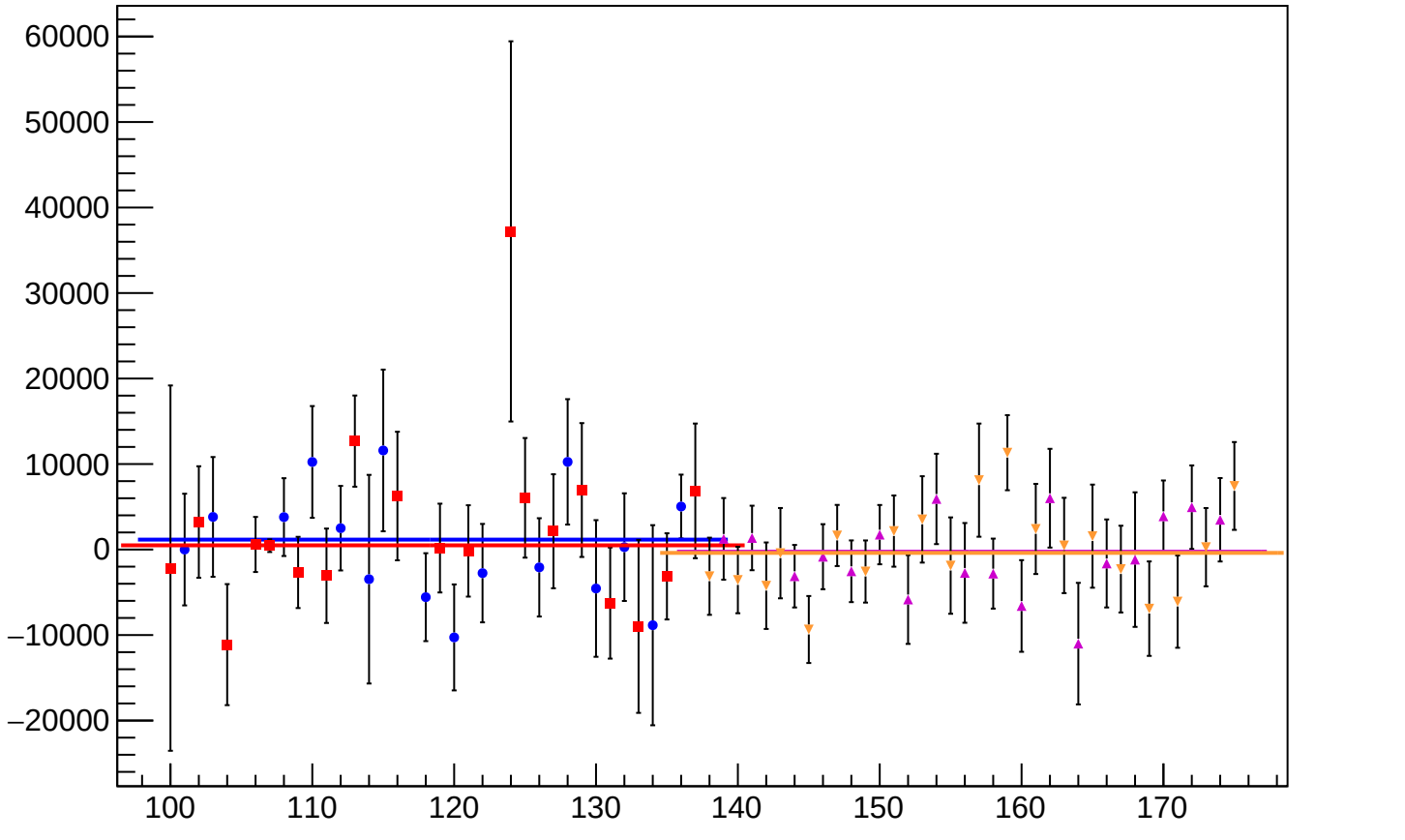
Left: 1718.984+/-0.219 χ^2/NDF: 115470.6/37

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1769.737+/-0.267 χ^2/NDF:332958.7/33

Out: 1755.160+/-0.259 χ^2/NDF:426865.7/38

All: 1762.220+/-0.186 χ^2/NDF: 761361.2/72



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.312 χ^2/NDF:22.8/19

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -251.955+/-1078.706 χ^2/NDF:12.4/17

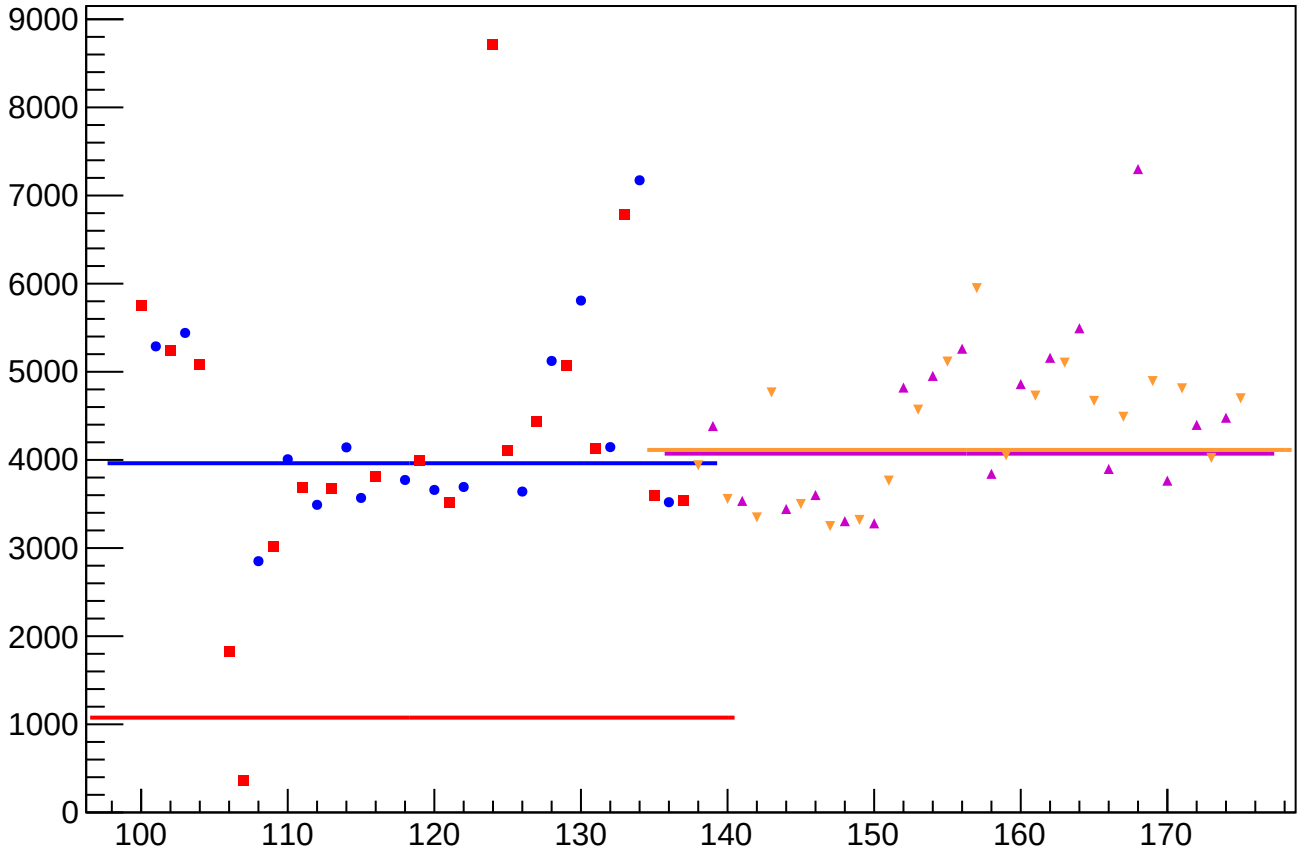
Left: -323.163+/-753.988 χ^2/NDF: 35.2/37

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 224.585+/-878.178 χ^2/NDF:26.6/33

Out: 244.801+/-558.519 χ^2/NDF:40.2/38

All: 238.979+/-471.279 χ^2/NDF: 66.8/72



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4113.322+/-0.746 χ^2/NDF:848436.4/19

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4071.270+/-0.763 χ^2/NDF:1086828.1/17

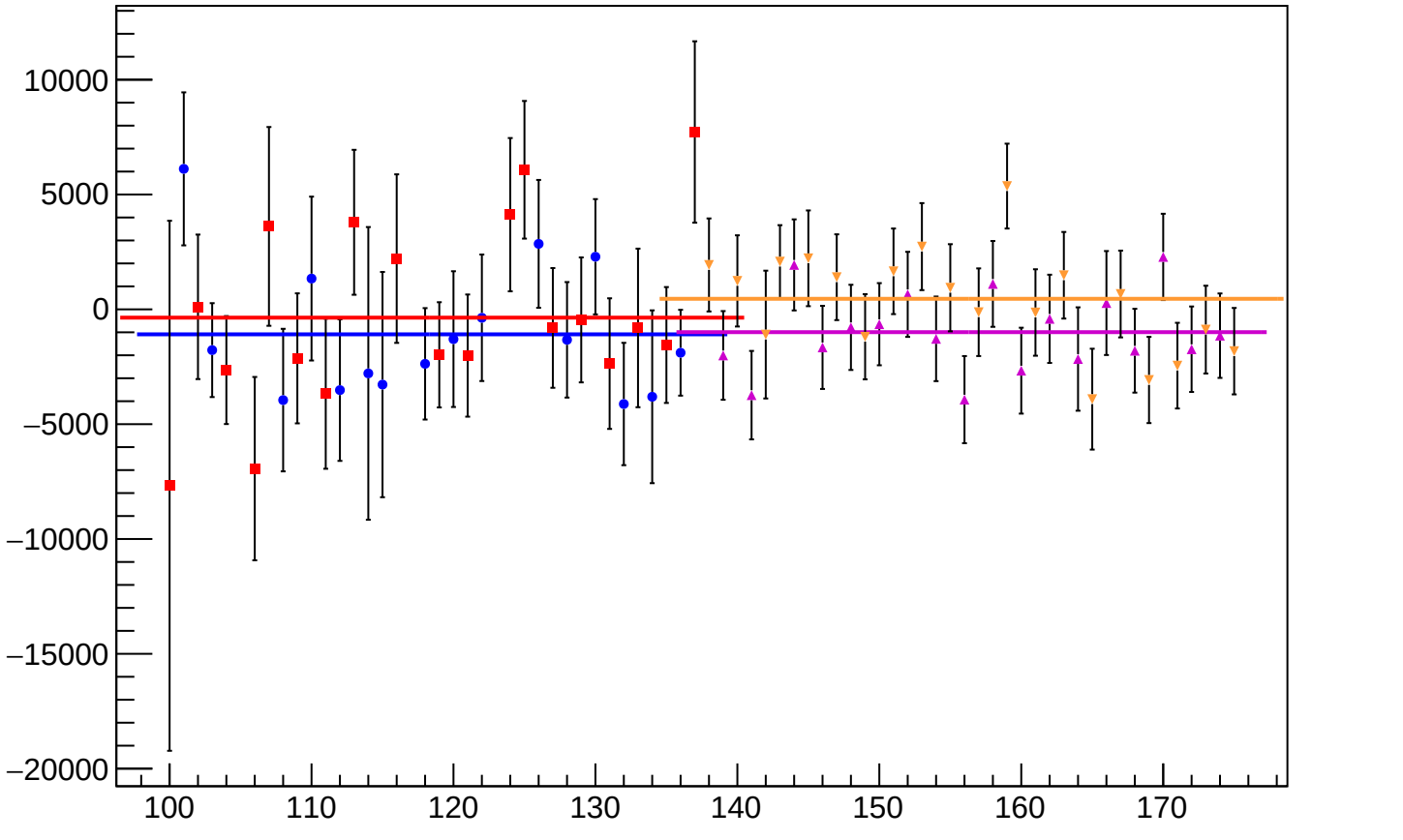
Left: 4092.777+/-0.533 χ^2/NDF: 1936819.0/37

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4034.544+/-0.621 χ^2/NDF:1762042.0/33

Out: 1928.340+/-0.395 χ^2/NDF:22347688.1/38

All: 2534.925+/-0.333 χ^2/NDF: 32300903.6/7



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.634+/-429.516 χ^2/NDF:25.2/19

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -993.335+/-448.613 χ^2/NDF:14.0/17

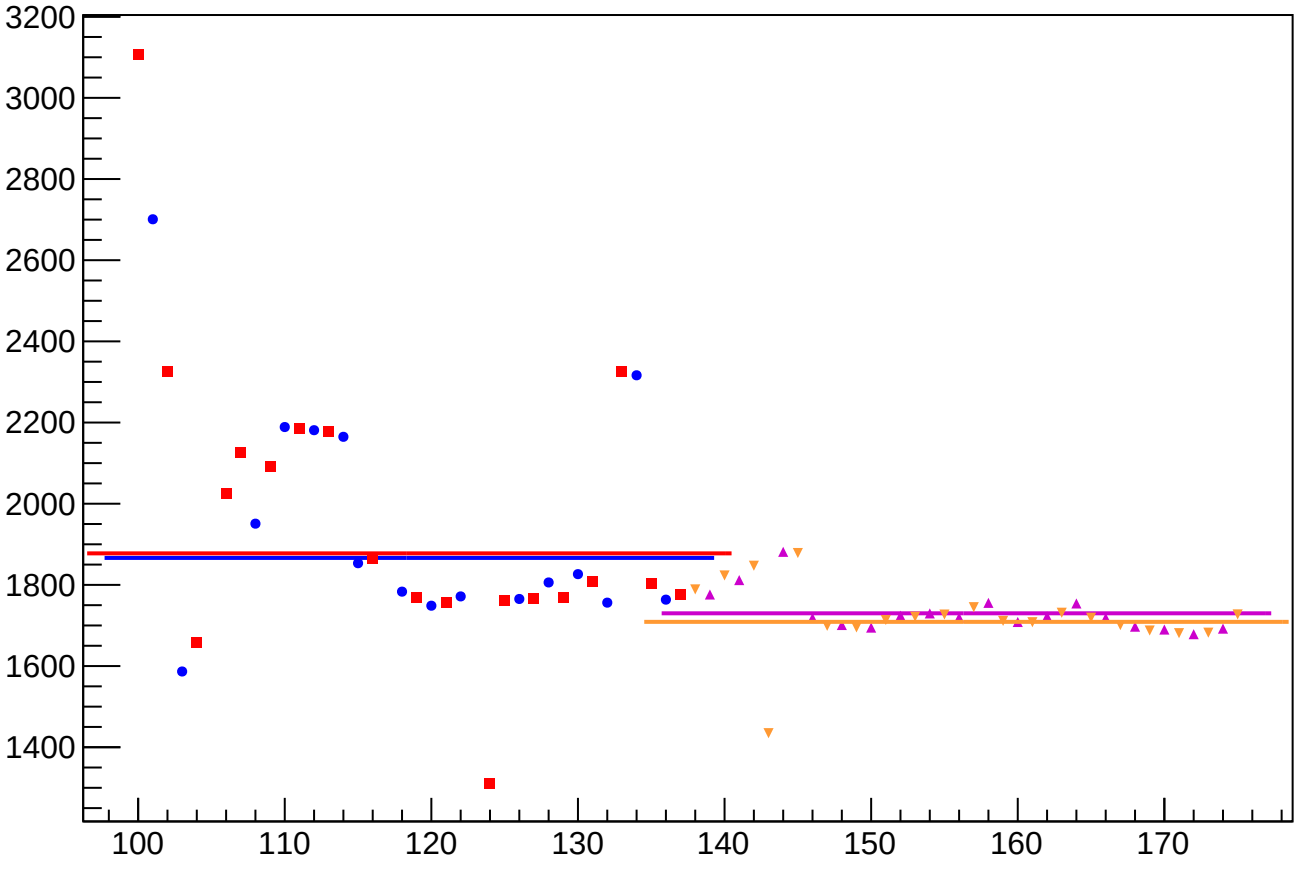
Left: -235.266+/-310.245 χ^2/NDF: 44.7/37

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1020.843+/-377.638 χ^2/NDF:27.2/33

Out: 234.958+/-366.045 χ^2/NDF:47.0/38

All: -373.371+/-262.836 χ^2/NDF: 79.9/72



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.919+/-0.304 χ^2/NDF:90424.0/19

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.966+/-0.317 χ^2/NDF:22749.1/17

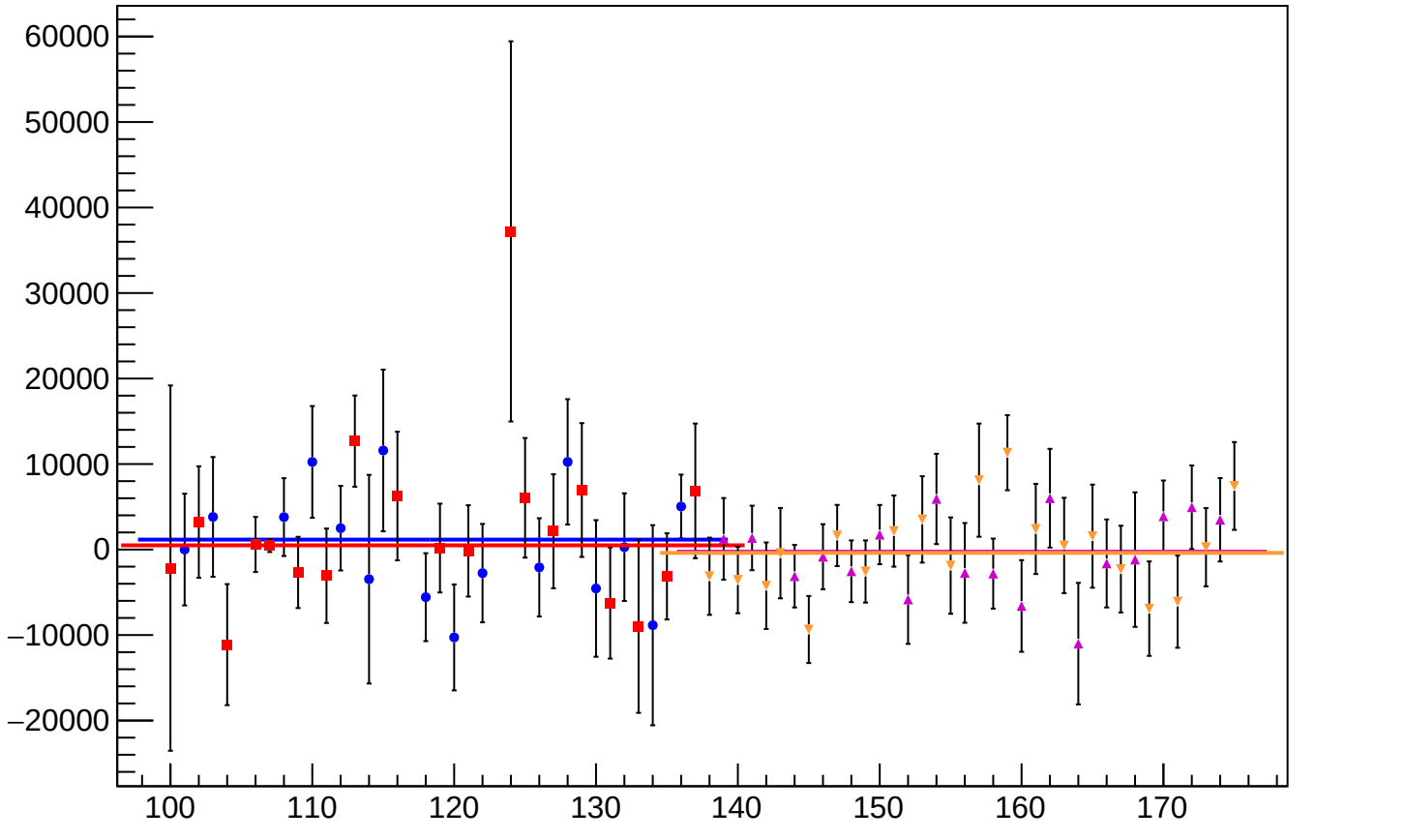
Left: 1718.985+/-0.219 χ^2/NDF: 115469.8/37

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1769.738+/-0.267 χ^2/NDF:332957.8/33

Out: 1755.160+/-0.259 χ^2/NDF:426864.4/38

All: 1762.220+/-0.186 χ^2/NDF: 761359.1/72



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.314 χ^2/NDF:22.8/19

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -251.953+/-1078.707 χ^2/NDF:12.4/17

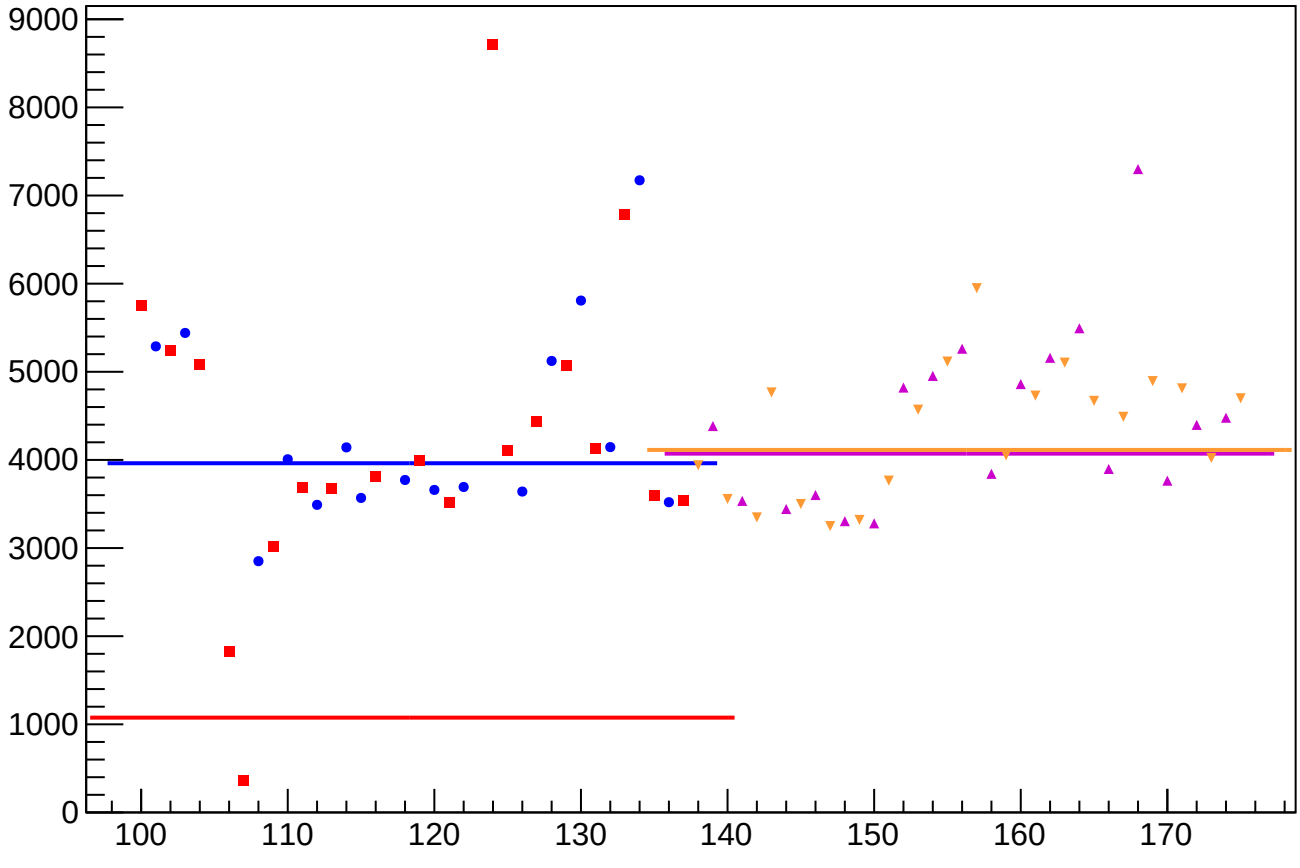
Left: -323.163+/-753.989 χ^2/NDF: 35.2/37

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 224.581+/-878.179 χ^2/NDF:26.6/33

Out: 244.801+/-558.526 χ^2/NDF:40.2/38

All: 238.978+/-471.283 χ^2/NDF: 66.8/72



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4113.327+/-0.746 χ^2/NDF:848436.2/19

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4071.276+/-0.763 χ^2/NDF:1086830.2/17

Left: 4092.782+/-0.533 χ^2/NDF: 1936820.9/37

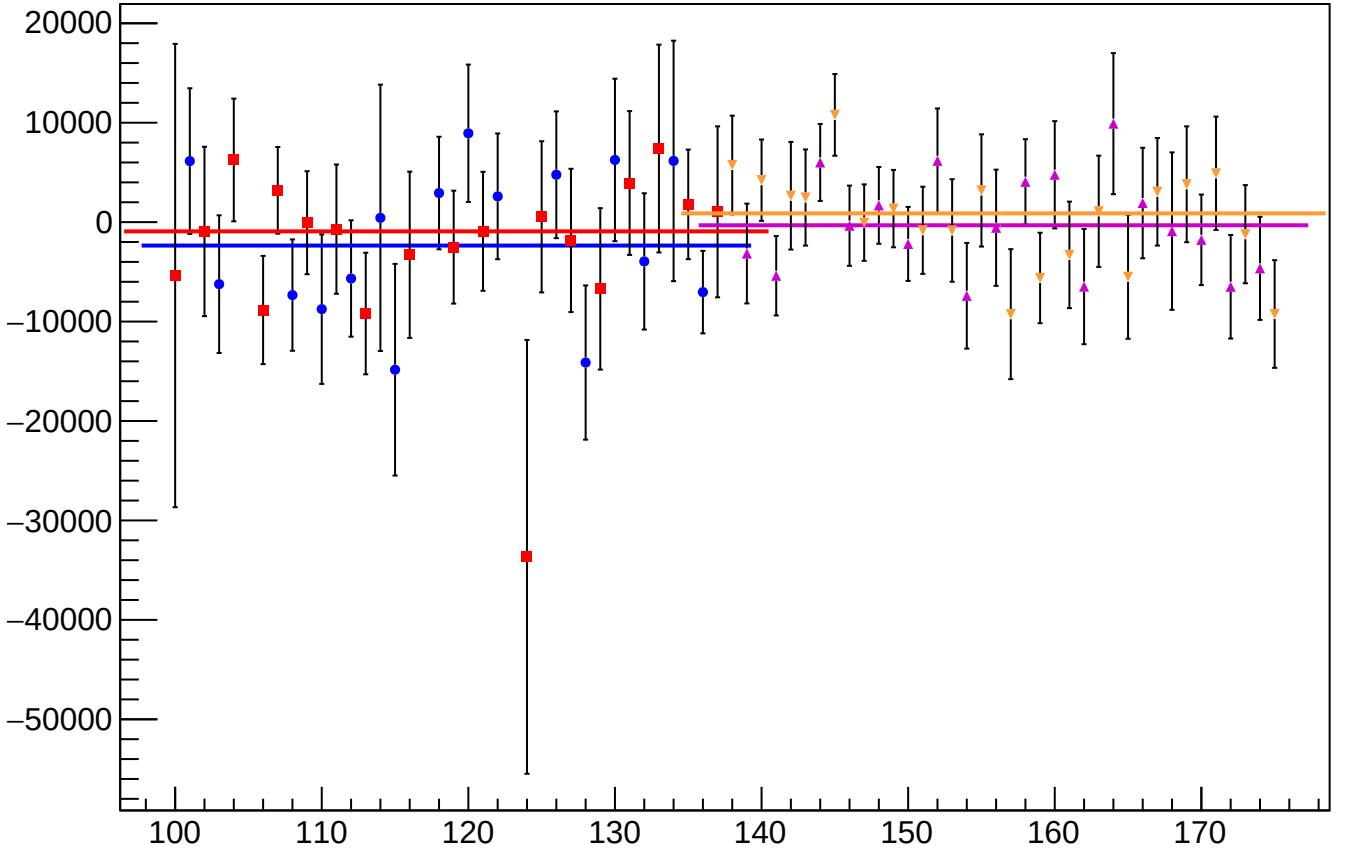
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4034.546+/-0.621 χ^2/NDF:1762041.9/33

Out: 1928.382+/-0.395 χ^2/NDF:22347226.9/38

All: 2534.966+/-0.333 χ^2/NDF: 32300063.8/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 881.816+/-1100.944 χ^2/NDF:18.8/19

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -316.382+/-1132.324 χ^2/NDF:15.9/17

Left: 299.550+/-789.346 χ^2/NDF: 35.4/37

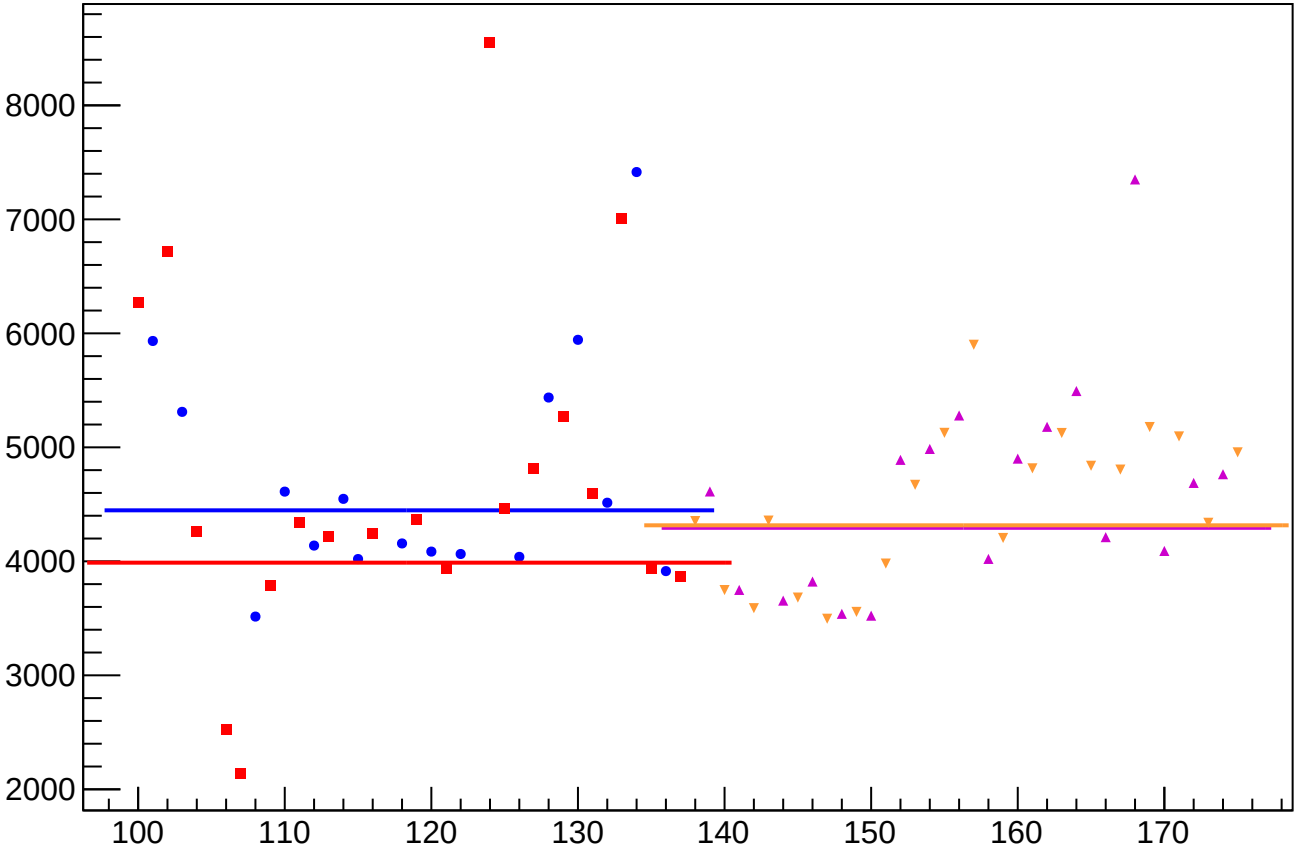
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -950.660+/-939.792 χ^2/NDF:32.5/33

Out: 274.352+/-896.964 χ^2/NDF:30.4/38

All: -309.606+/-648.862 χ^2/NDF: 63.7/72

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4315.997+/-0.778 χ^2/NDF:669532.5/19

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4294.051+/-0.801 χ^2/NDF:873104.8/17

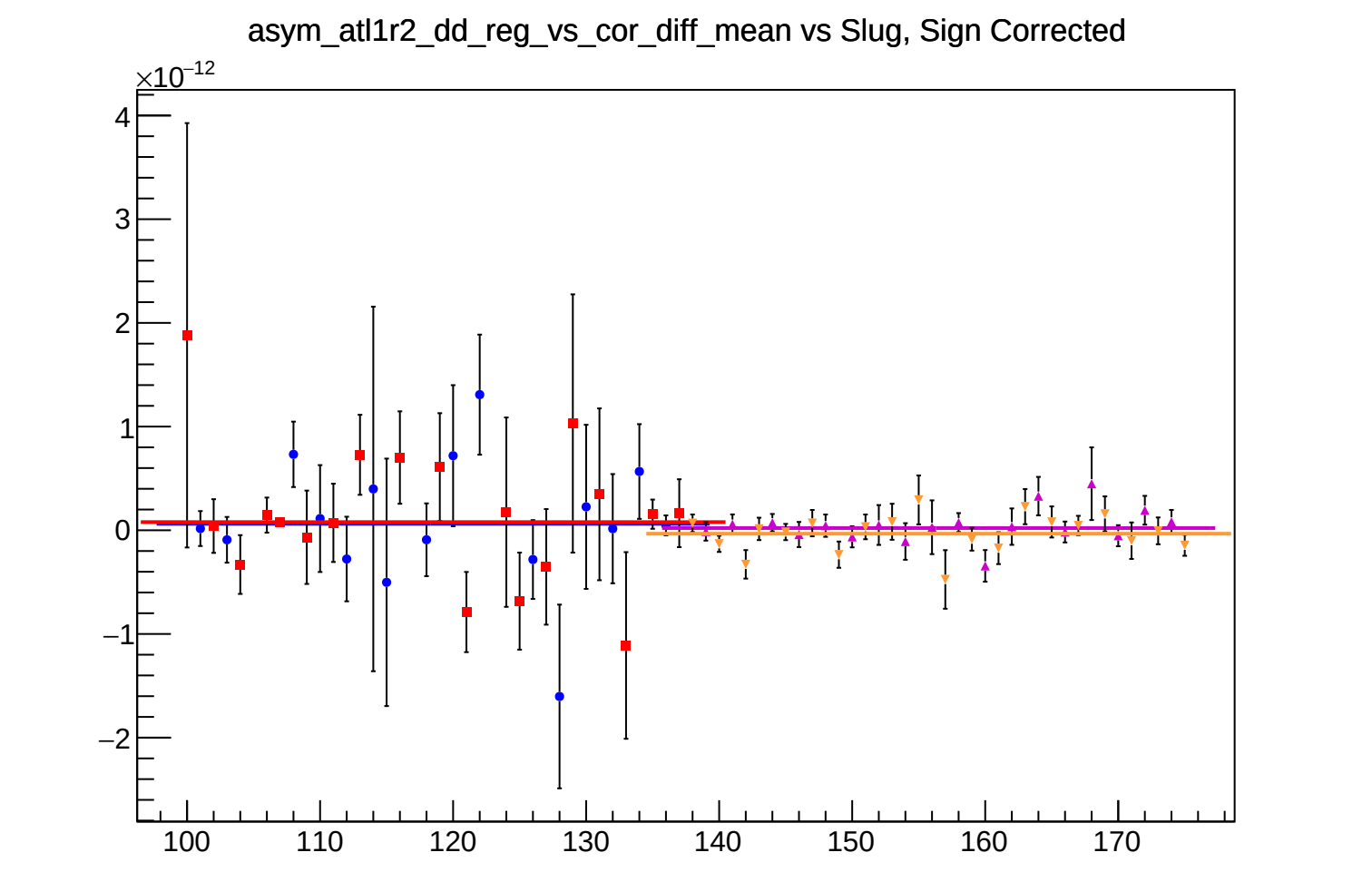
Left: 4305.332+/-0.558 χ^2/NDF: 1543023.5/37

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4341.773+/-0.665 χ^2/NDF:1342773.2/33

Out: 4204.337+/-0.632 χ^2/NDF:1873851.1/38

All: 4269.621+/-0.458 χ^2/NDF: 3239079.7/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

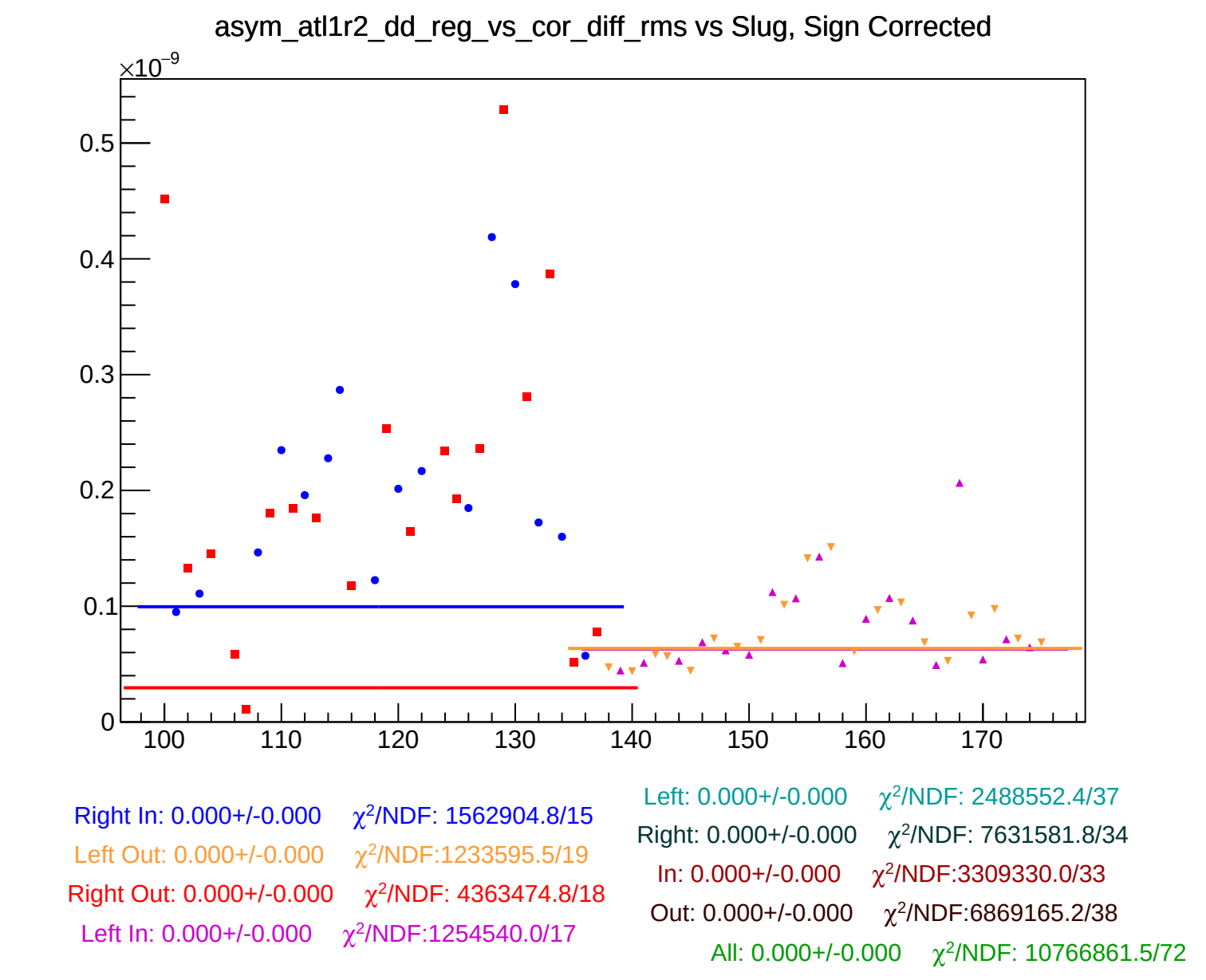
Left: -0.000+/-0.000 χ^2/NDF: 40.5/37

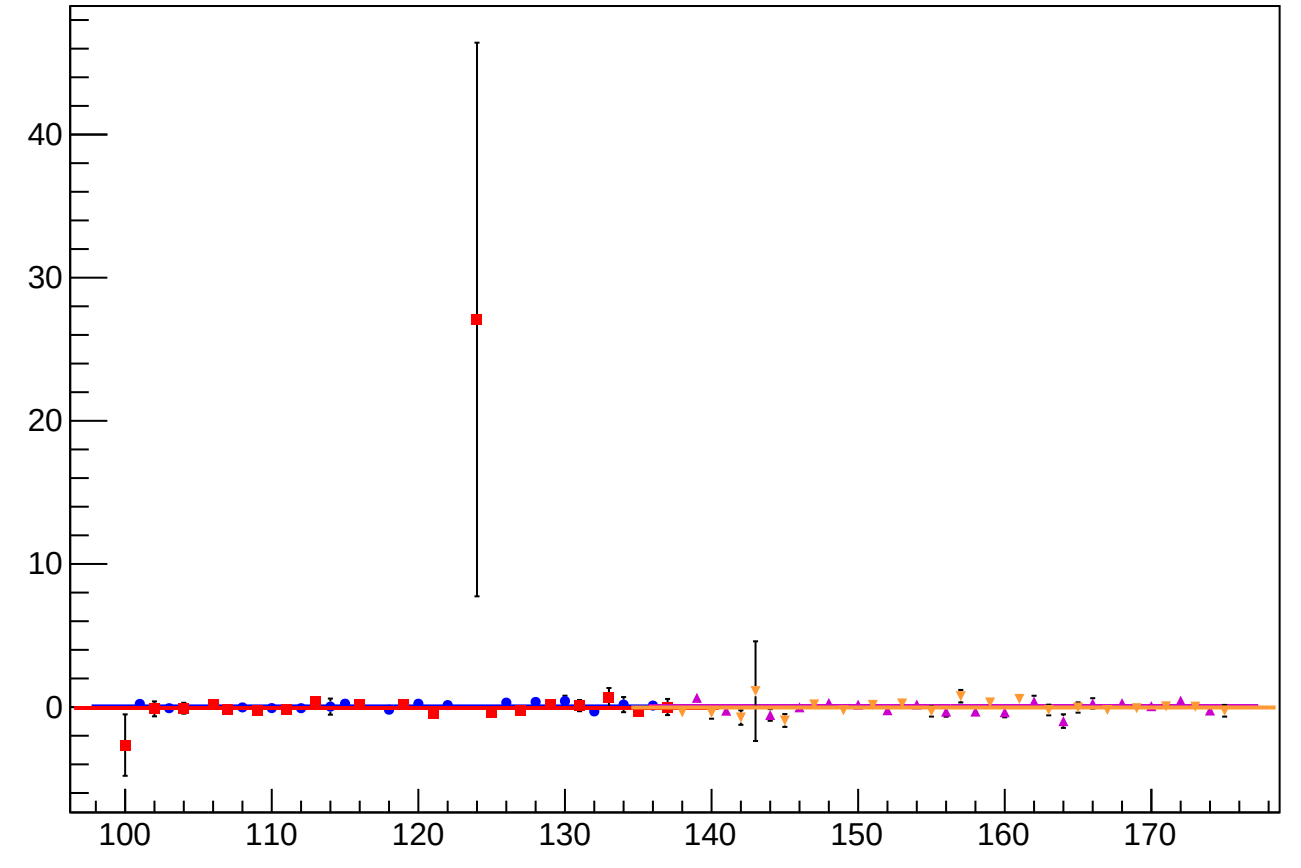
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:32.8/33

Out: 0.000+/-0.000 χ^2/NDF:50.5/38

All: 0.000+/-0.000 χ^2/NDF: 83.5/72


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1562904.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1233595.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 4363474.8/18
Left In: 0.000+/-0.000 χ²/NDF:1254540.0/17
Left: 0.000+/-0.000 χ²/NDF: 2488552.4/37
Right: 0.000+/-0.000 χ²/NDF: 7631581.8/34
In: 0.000+/-0.000 χ²/NDF:3309330.0/33
Out: 0.000+/-0.000 χ²/NDF:6869165.2/38
All: 0.000+/-0.000 χ²/NDF: 10766861.5/72



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

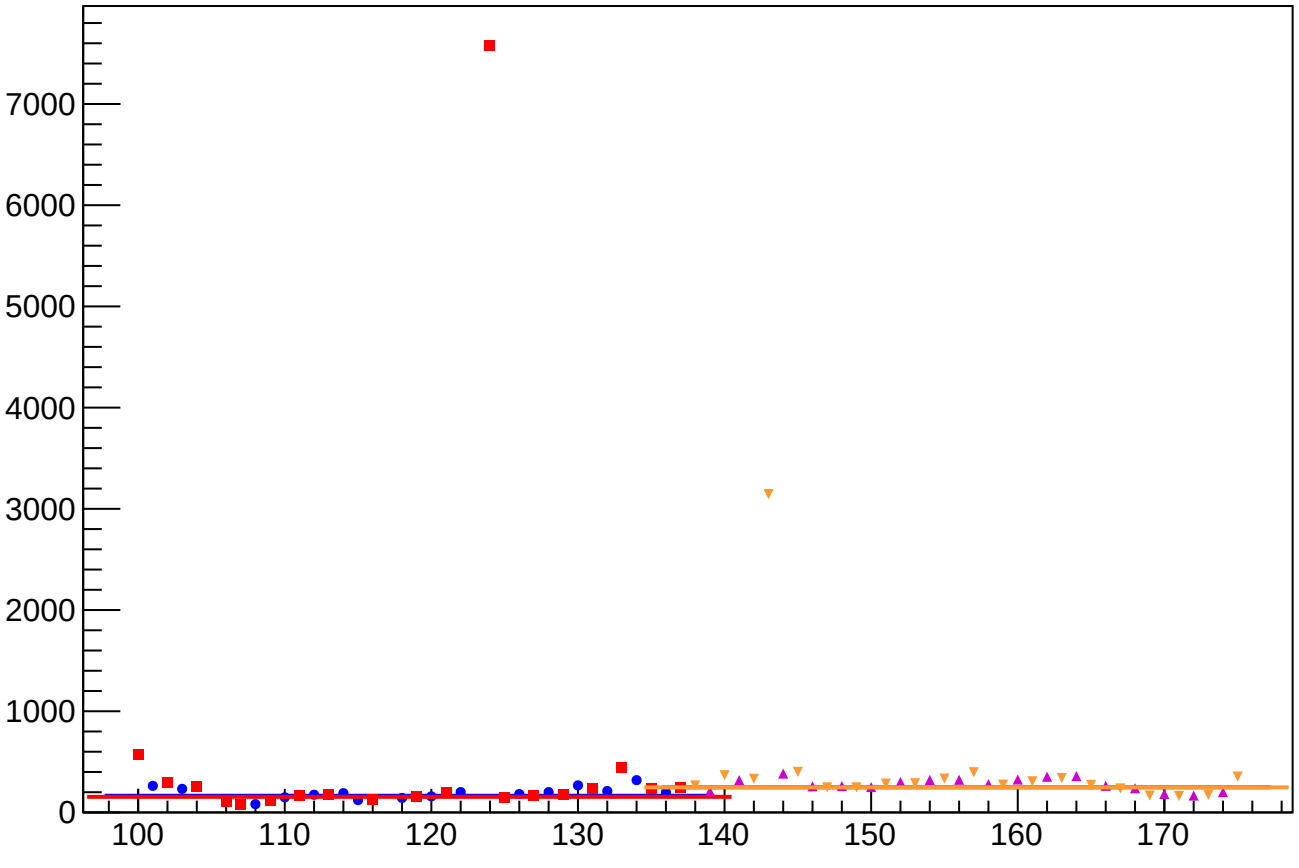
Left: 0.024+/-0.048 χ^2/NDF: 48.3/37

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/72



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

Left: 248.297+/-0.034 χ^2/NDF: 5310879.8/37

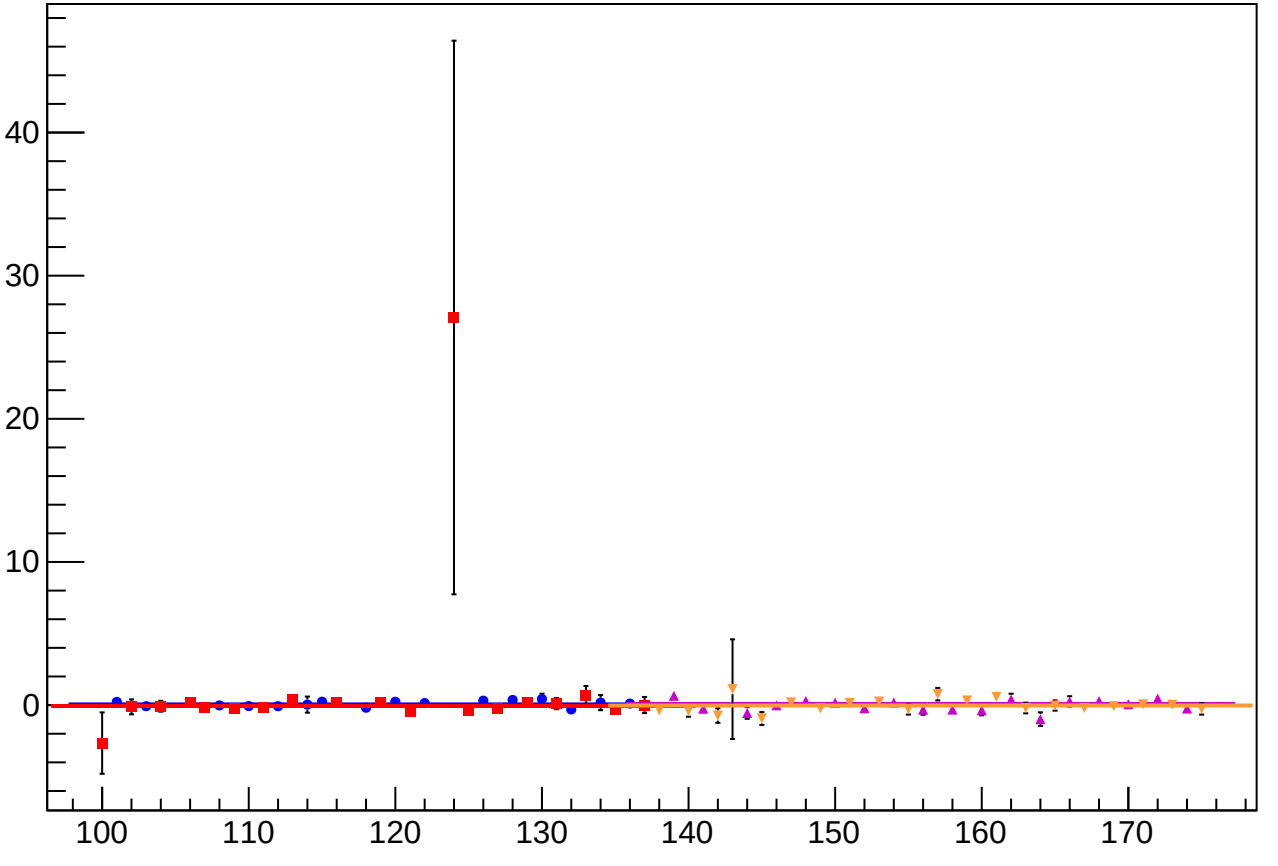
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.266+/-0.033 χ^2/NDF:4678482.6/33

Out: 199.126+/-0.033 χ^2/NDF:7619242.2/38

All: 202.635+/-0.023 χ^2/NDF: 12320917.4/72

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

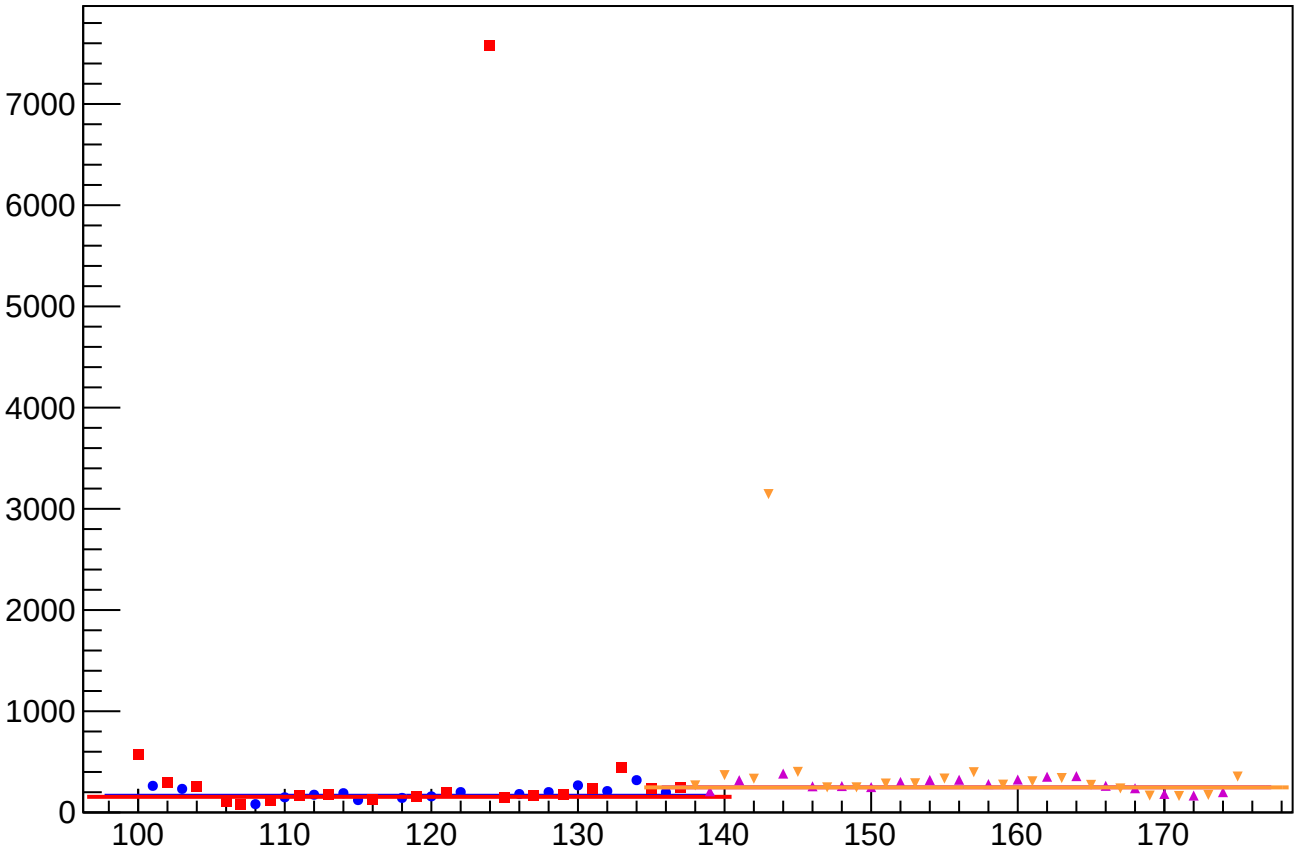
Left: 0.024+/-0.048 χ^2/NDF: 48.3/37

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/72



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

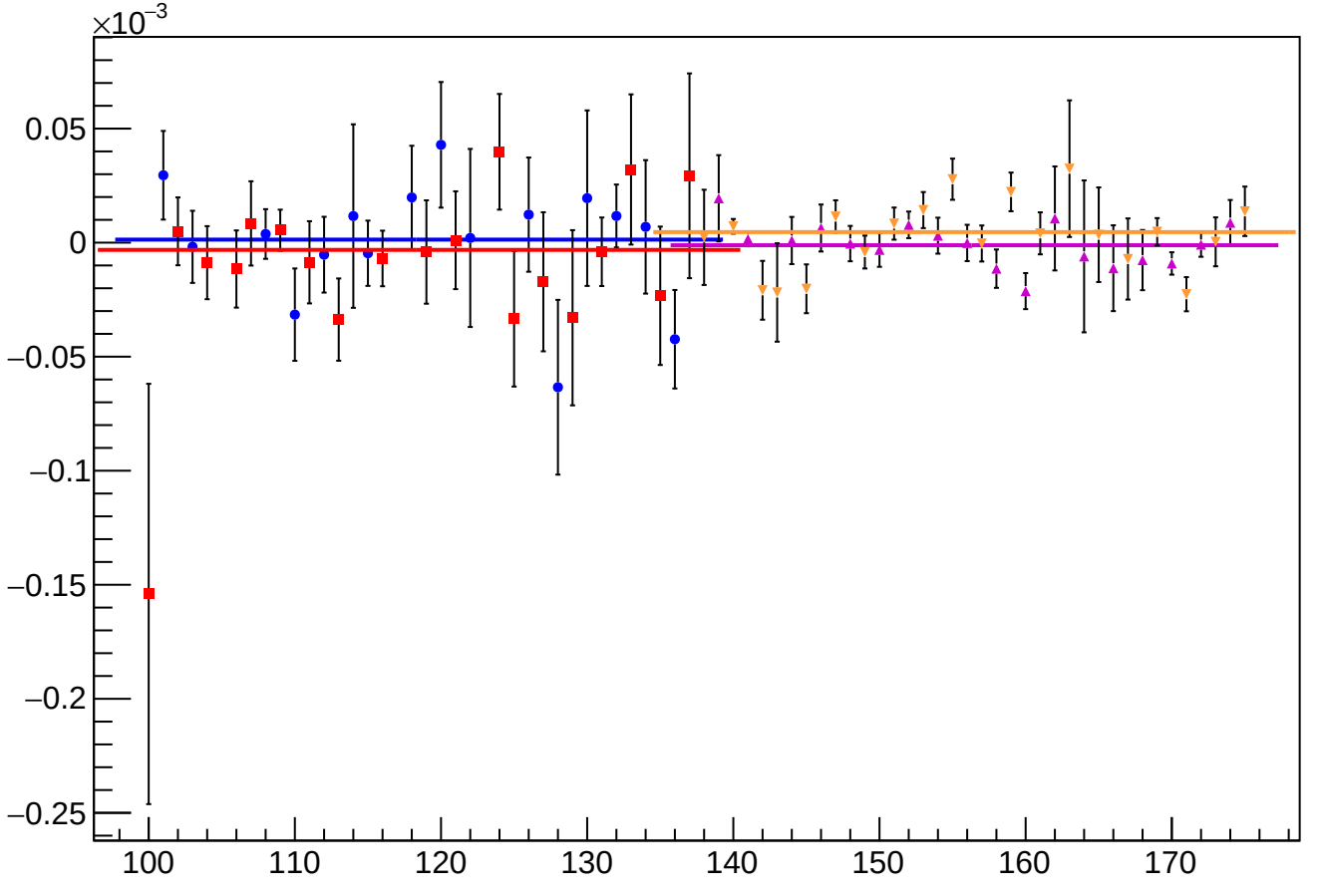
Left: 248.297+/-0.034 χ^2/NDF: 5310879.8/37

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.266+/-0.033 χ^2/NDF:4678482.6/33

Out: 199.126+/-0.033 χ^2/NDF:7619242.2/38

All: 202.635+/-0.023 χ^2/NDF: 12320917.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

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

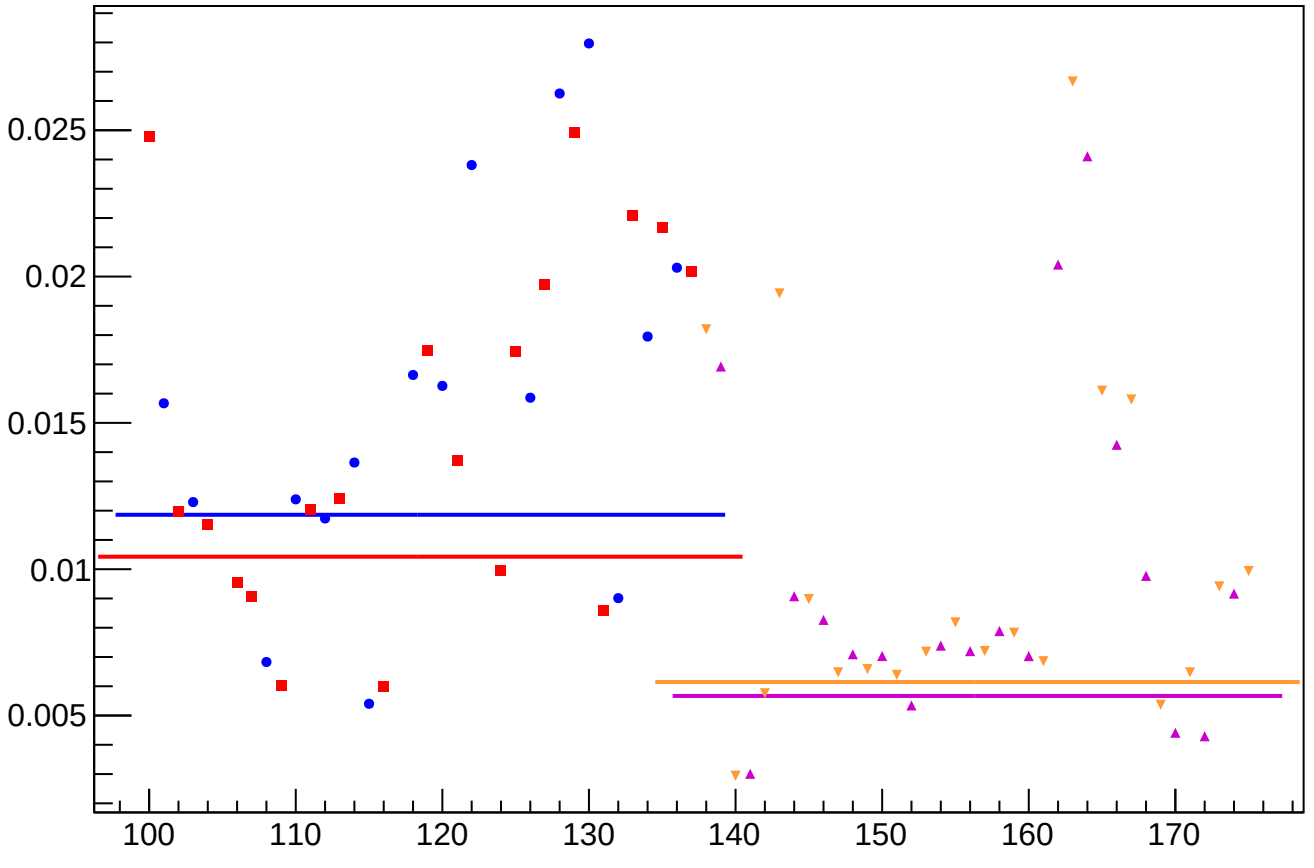
Left: 0.000+/-0.000 χ^2/NDF: 65.5/37

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:34.0/33

Out: 0.000+/-0.000 χ^2/NDF:59.8/38

All: 0.000+/-0.000 χ^2/NDF: 97.4/72



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:6290640.2/19

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:5509744.4/17

Left: 0.006+/-0.000 χ^2/NDF: 11874936.8/37

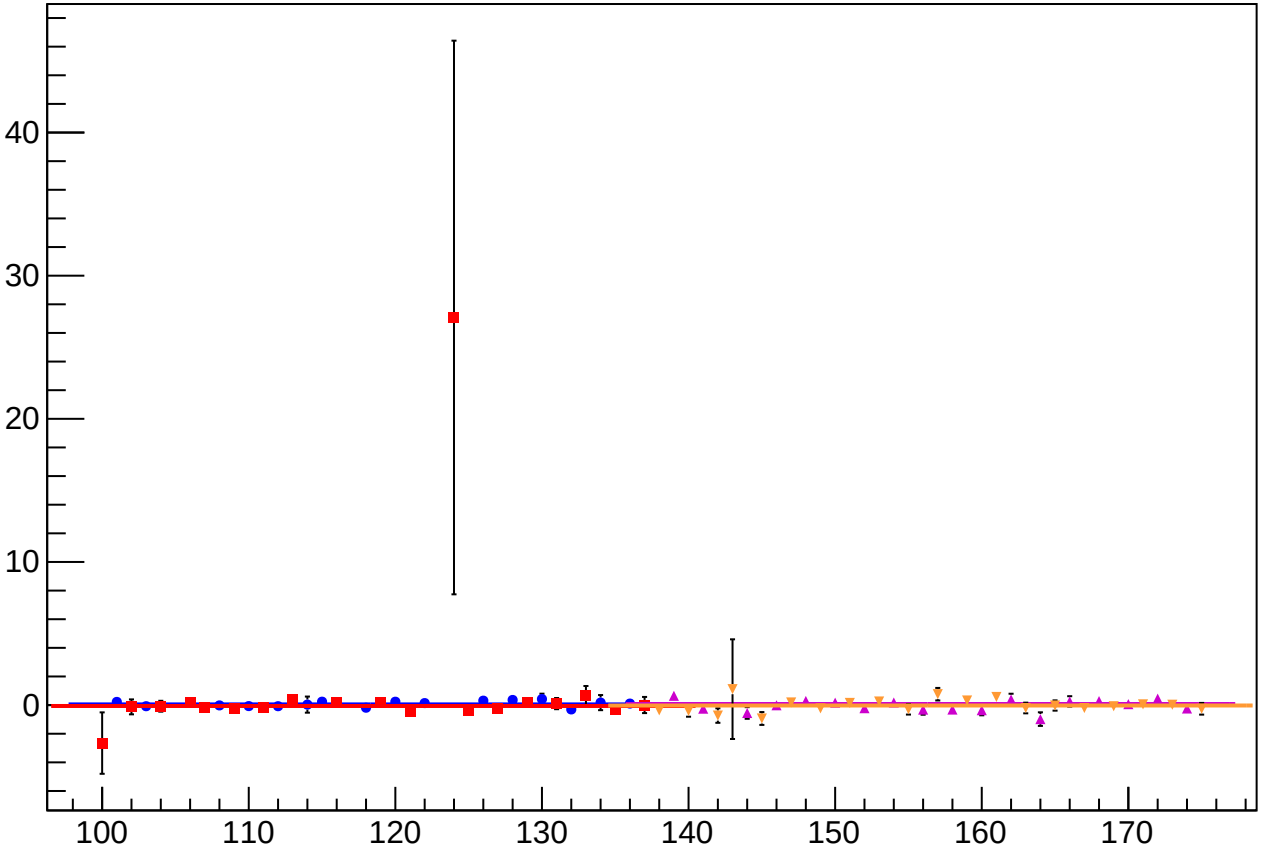
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:10791056.0/33

Out: 0.007+/-0.000 χ^2/NDF:10380043.7/38

All: 0.007+/-0.000 χ^2/NDF: 21245378.6/72

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

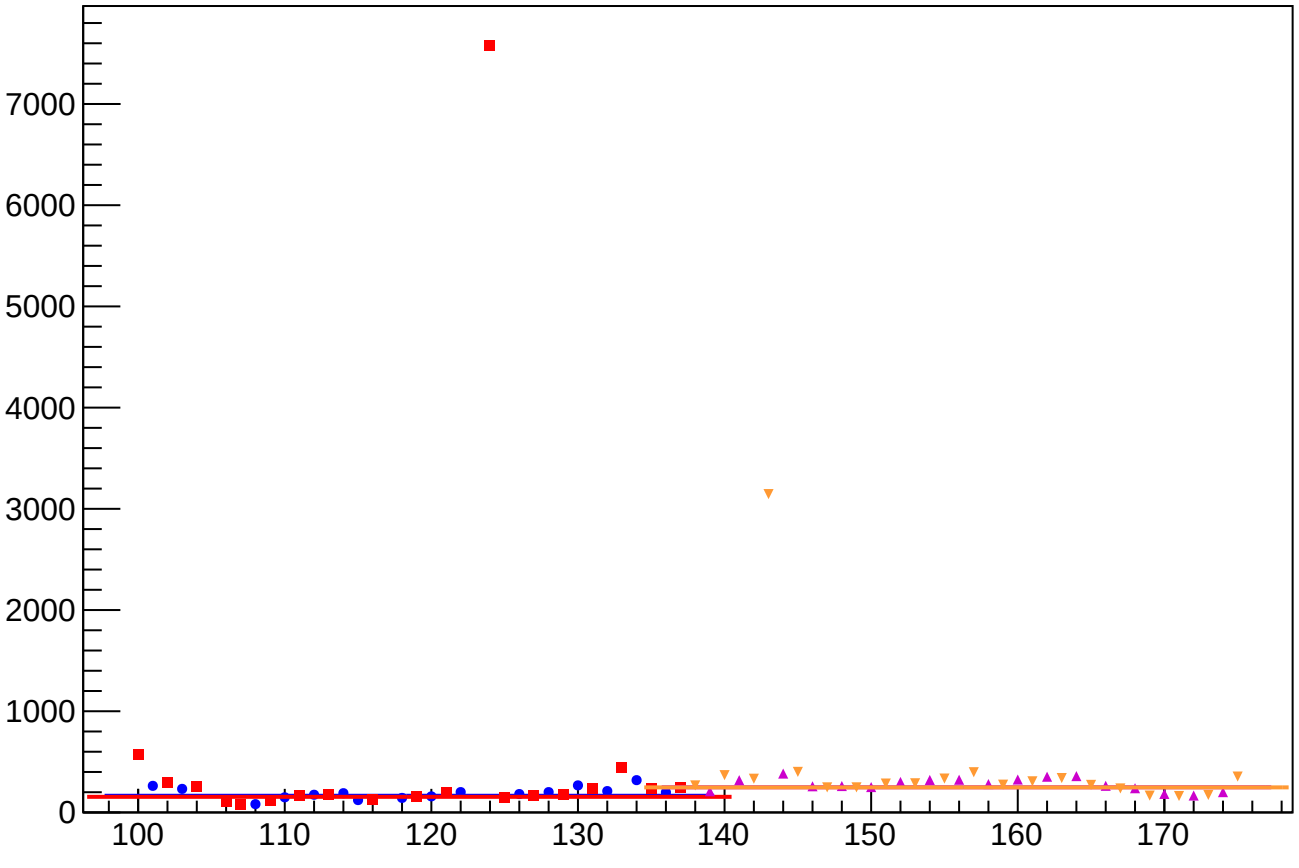
Left: 0.024+/-0.048 χ^2/NDF: 48.3/37

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/72



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 247.754+/-0.047 χ^2/NDF:3683975.1/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

Left: 248.298+/-0.034 χ^2/NDF: 5311043.1/37

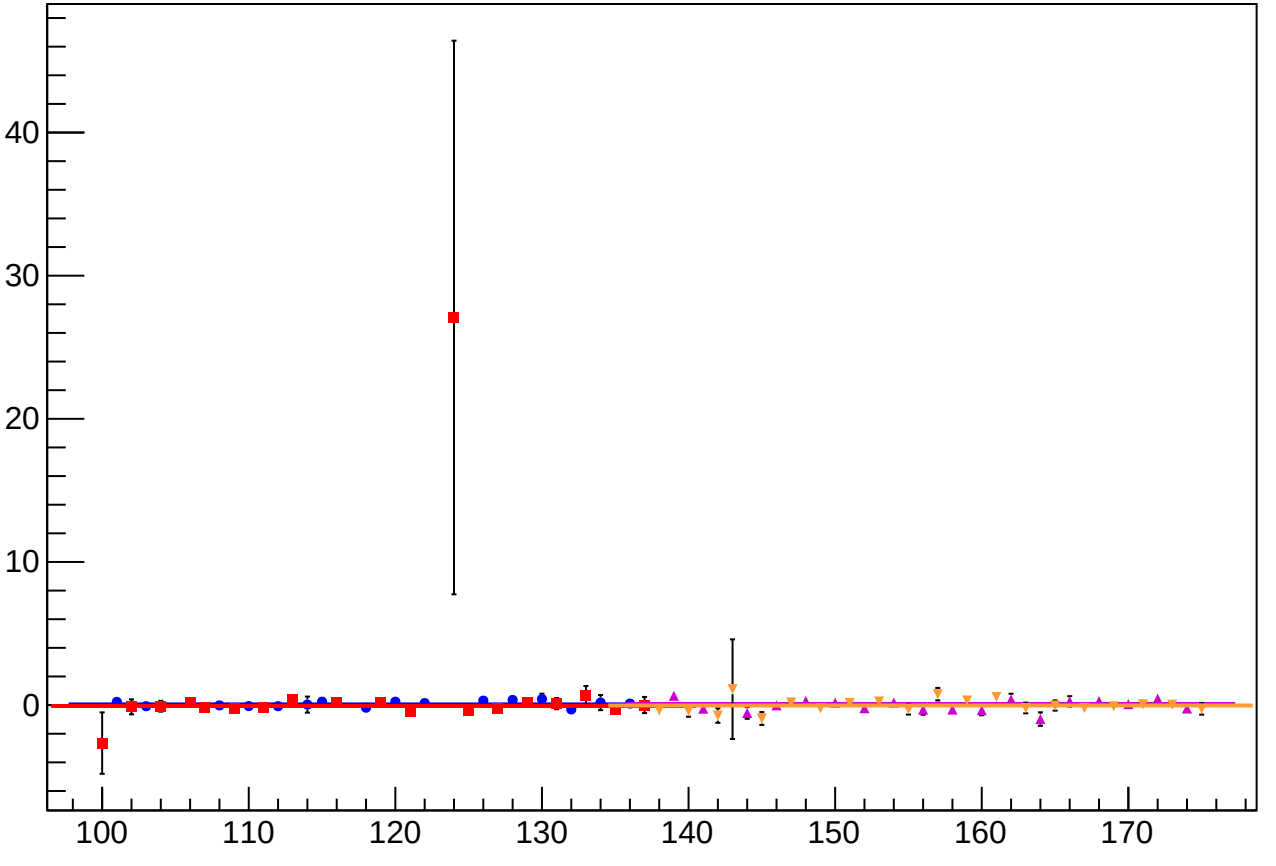
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.266+/-0.033 χ^2/NDF:4678592.0/33

Out: 199.126+/-0.033 χ^2/NDF:7619434.8/38

All: 202.635+/-0.023 χ^2/NDF: 12321222.5/72

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

Left: 0.024+/-0.048 χ^2/NDF: 48.3/37

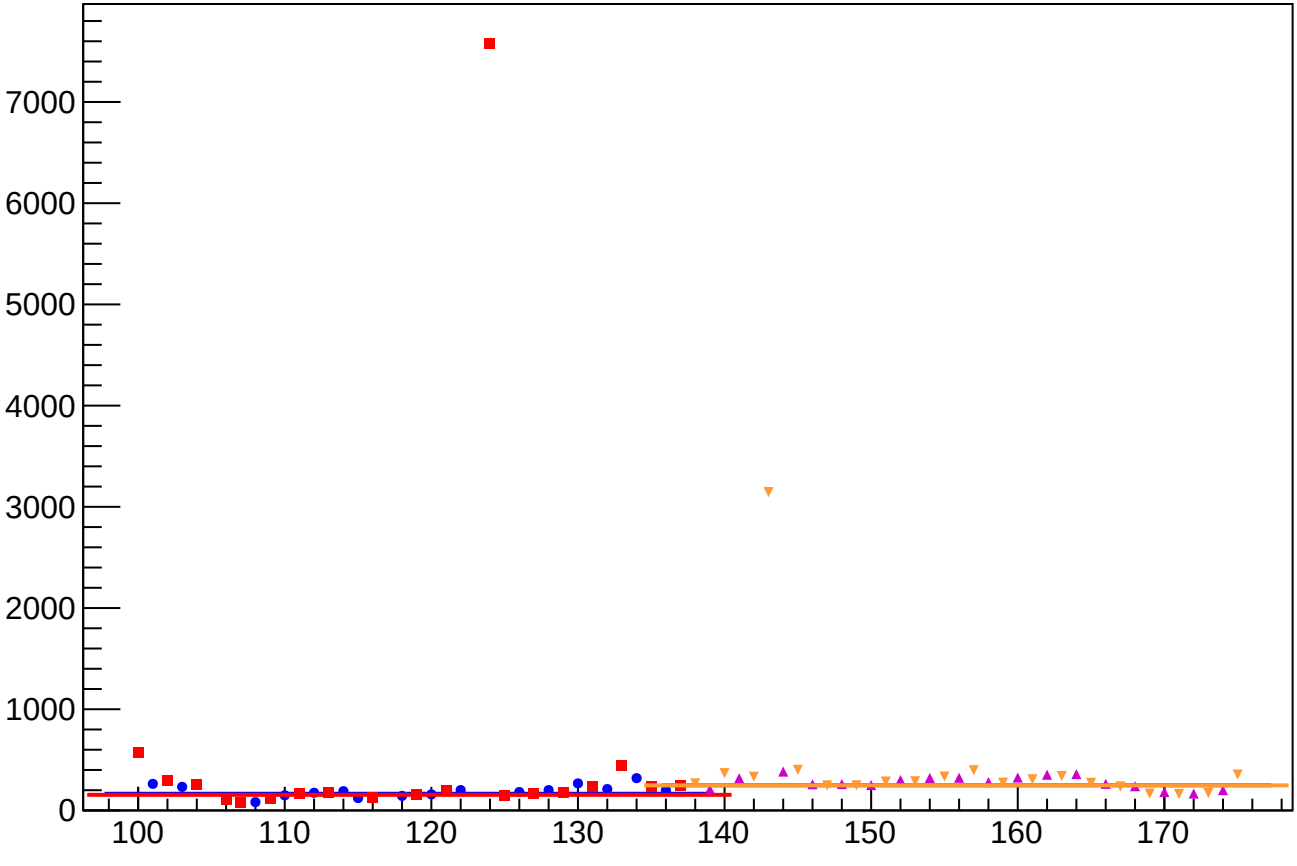
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/72

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 247.754+/-0.047 χ^2/NDF:3683975.1/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

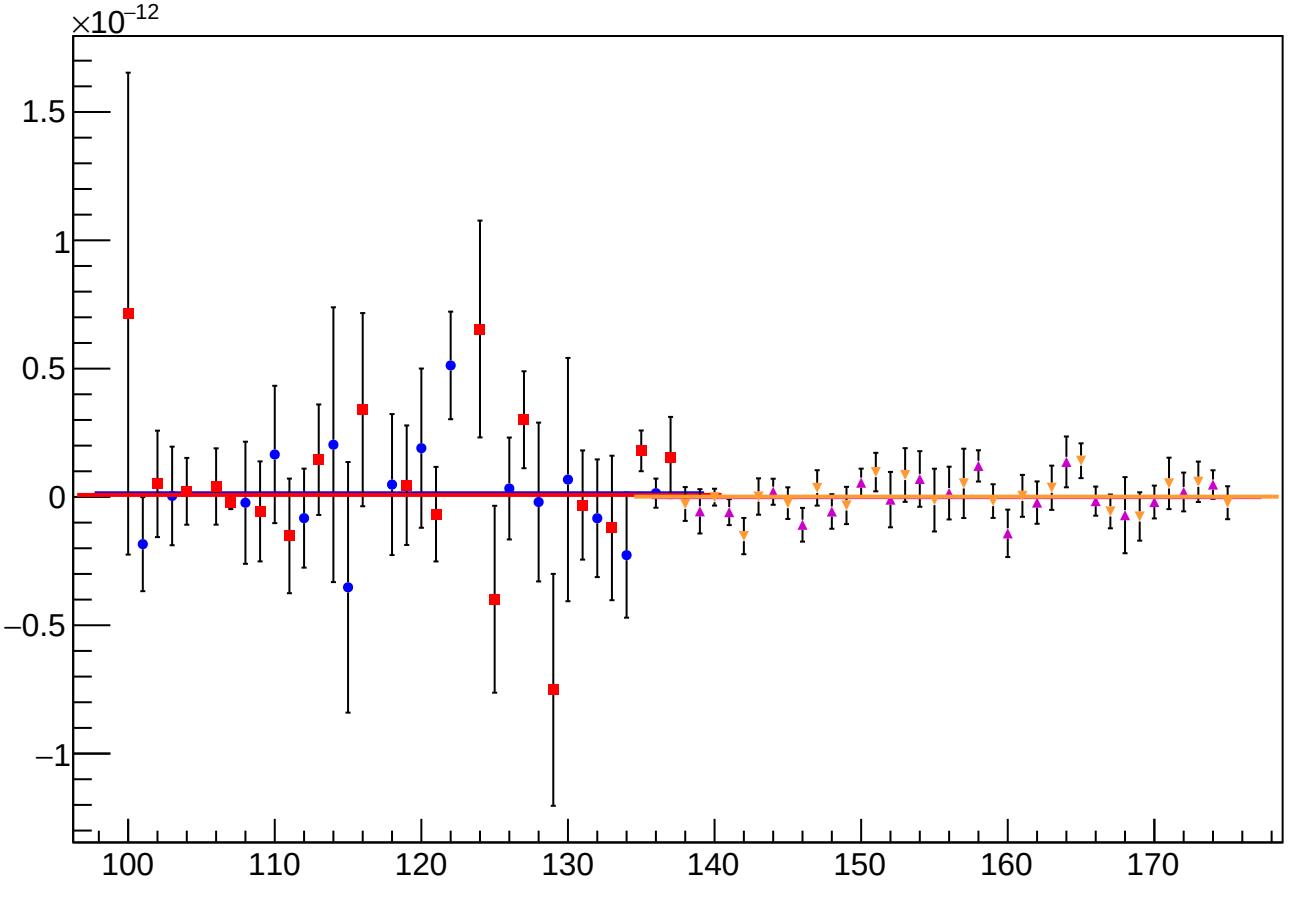
Left: 248.298+/-0.034 χ^2/NDF: 5311043.1/37

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.266+/-0.033 χ^2/NDF:4678592.0/33

Out: 199.126+/-0.033 χ^2/NDF:7619434.8/38

All: 202.635+/-0.023 χ^2/NDF: 12321222.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/17

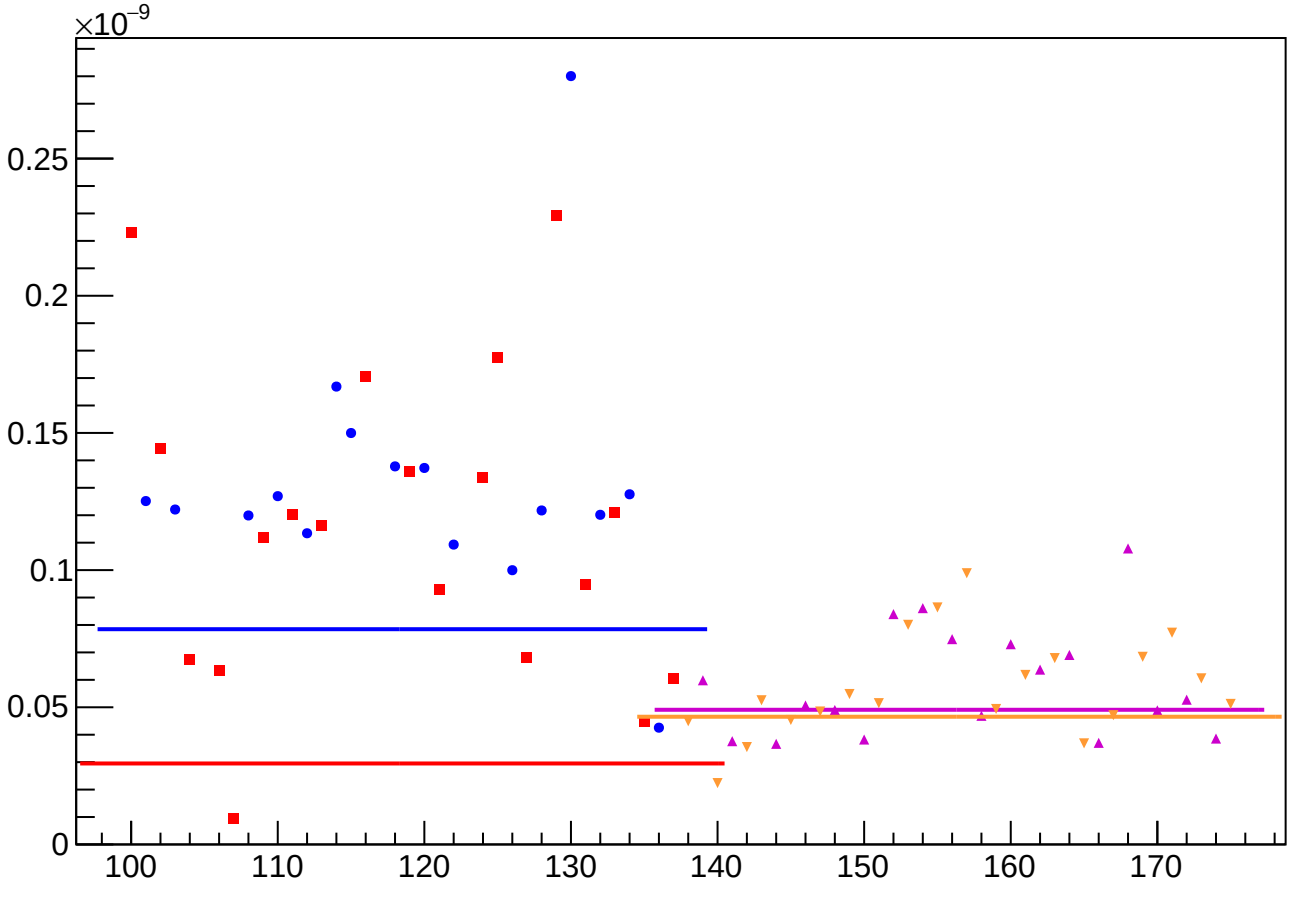
Left: 0.000+/-0.000 χ^2/NDF: 31.2/37

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:26.1/33

Out: 0.000+/-0.000 χ^2/NDF:33.3/38

All: 0.000+/-0.000 χ^2/NDF: 59.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2511105.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1662065.1/17

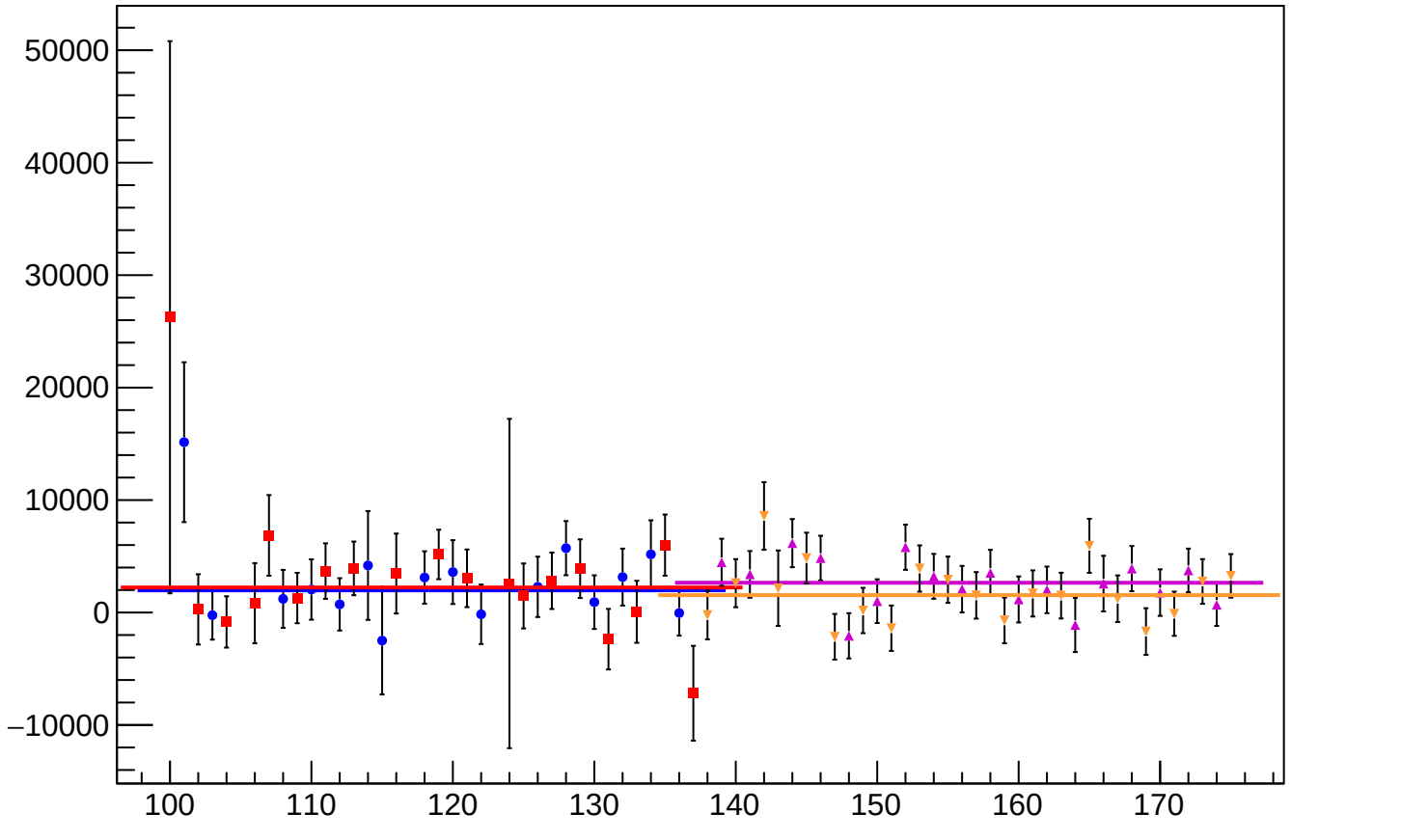
Left: 0.000+/-0.000 χ^2/NDF: 4198460.0/37

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4599120.2/33

Out: 0.000+/-0.000 χ^2/NDF:8757455.4/38

All: 0.000+/-0.000 χ^2/NDF: 14041136.5/72



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.103+/-476.248 χ^2/NDF:25.1/19

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2648.112+/-484.994 χ^2/NDF:18.9/17

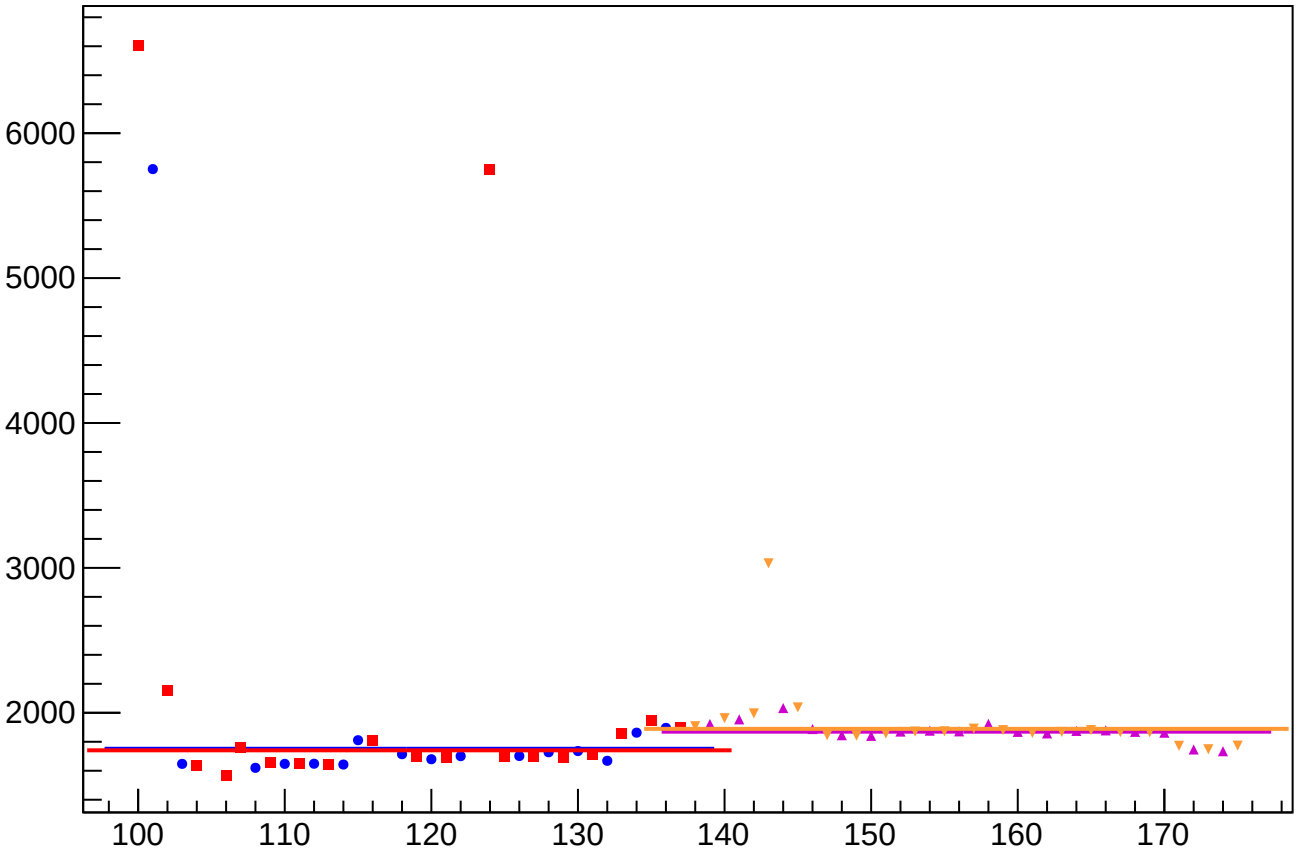
Left: 2088.608+/-339.808 χ^2/NDF: 46.6/37

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2416.085+/-392.403 χ^2/NDF:31.6/33

Out: 1782.656+/-385.452 χ^2/NDF:44.8/38

All: 2093.710+/-274.981 χ^2/NDF: 77.8/72



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

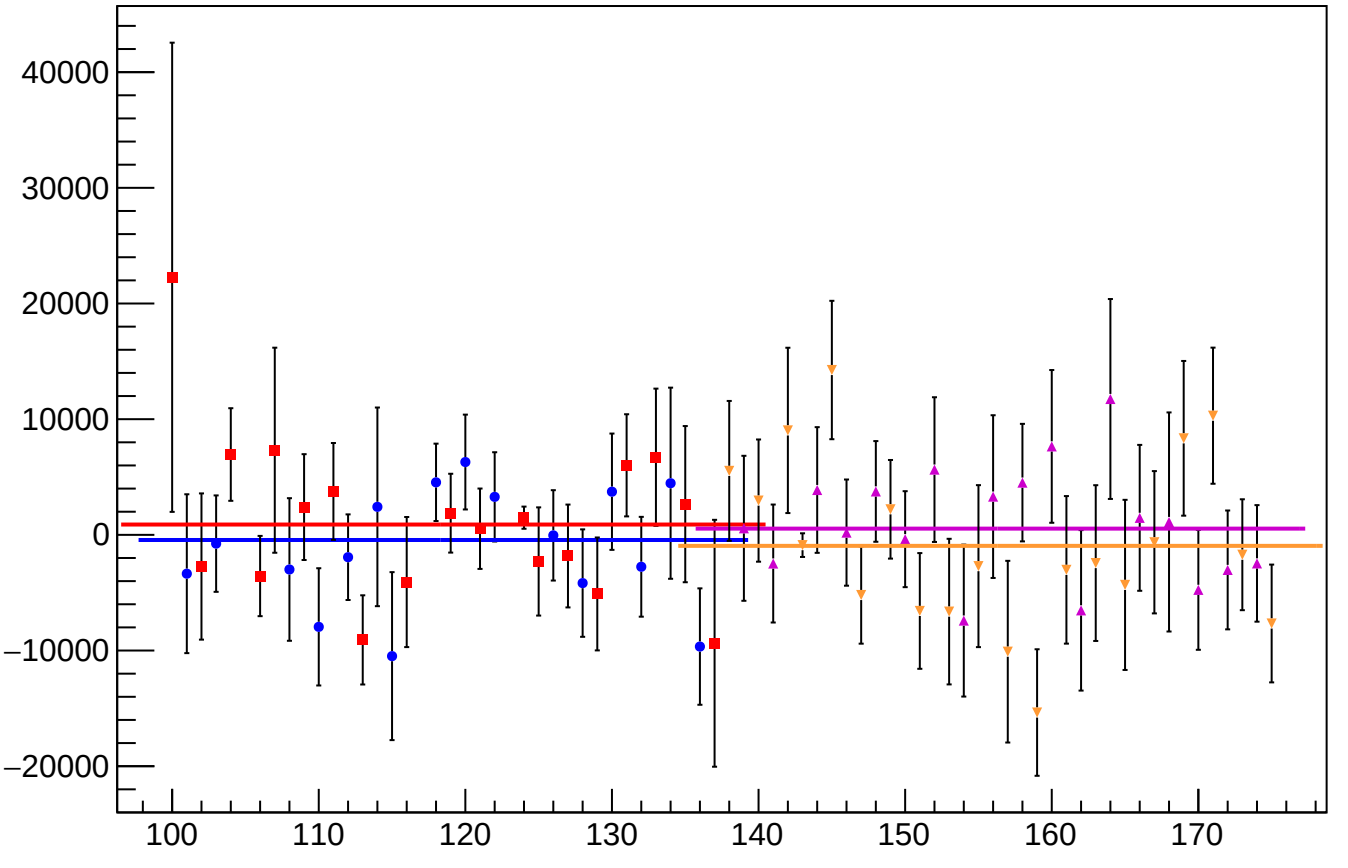
Left: 1879.699+/-0.240 χ^2/NDF: 312307.3/37

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1828.955+/-0.277 χ^2/NDF:748614.2/33

Out: 1837.654+/-0.272 χ^2/NDF:645827.7/38

All: 1833.393+/-0.194 χ^2/NDF: 1394943.4/72



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -951.158+/-806.074 χ^2/NDF:29.8/19

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 538.530+/-1322.480 χ^2/NDF:10.0/17

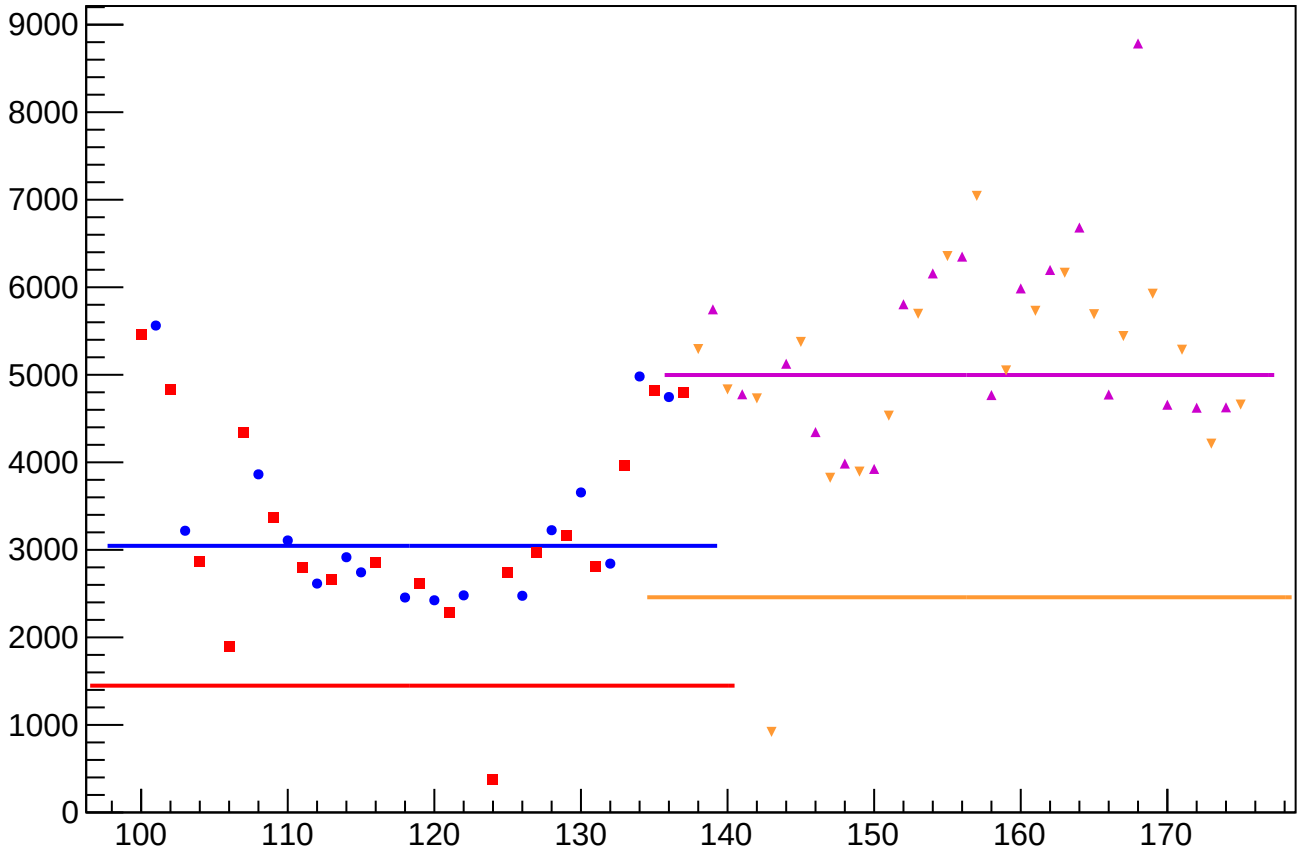
Left: -547.635+/-688.296 χ^2/NDF: 40.8/37

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -10.934+/-878.153 χ^2/NDF:26.3/33

Out: 66.953+/-539.346 χ^2/NDF:52.8/38

All: 45.620+/-459.585 χ^2/NDF: 79.1/72



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2458.347+/-0.570 χ^2/NDF:12741237.5/19

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022660.2/17

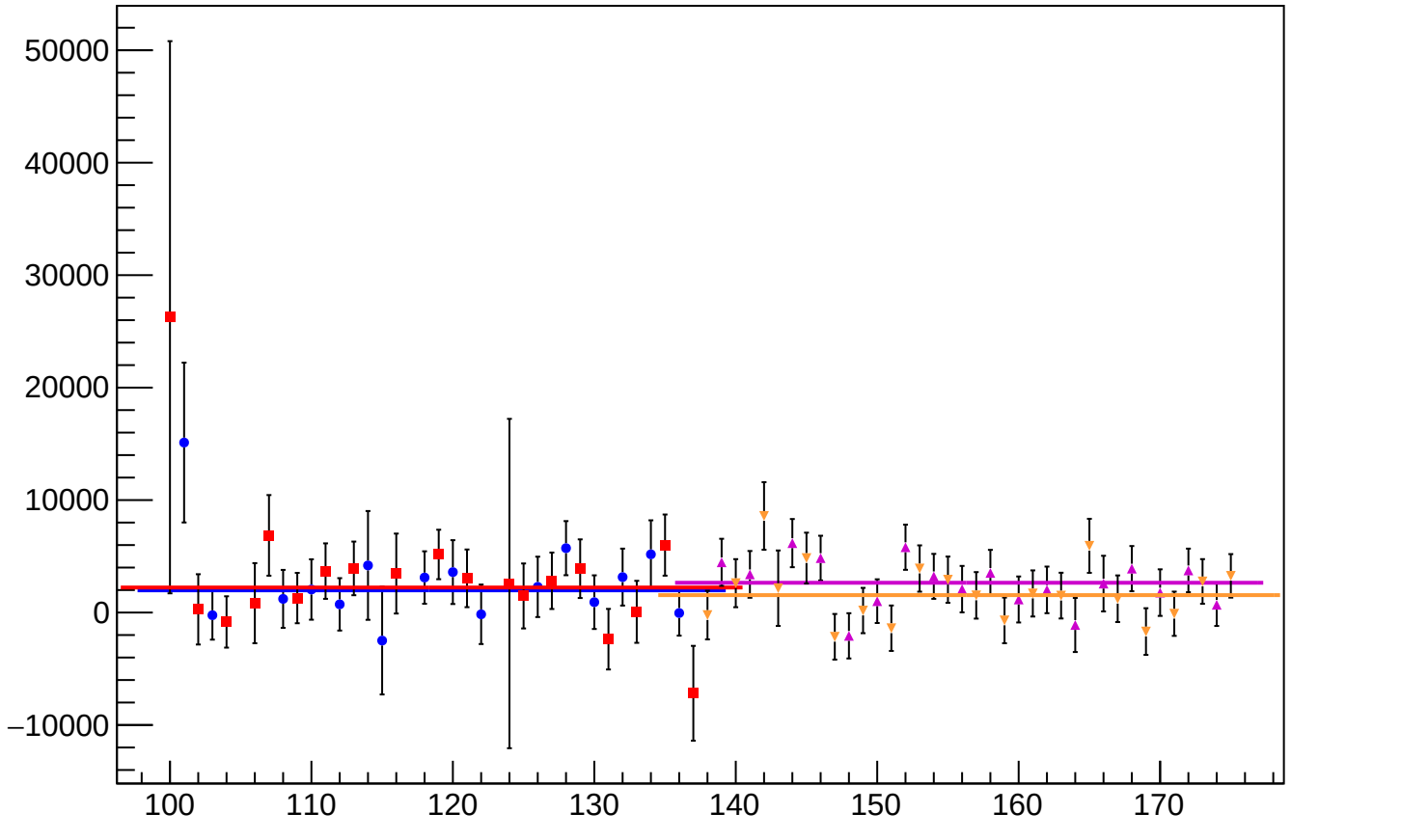
Left: 3146.154+/-0.487 χ^2/NDF: 19139668.8/37

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3906.427+/-0.621 χ^2/NDF:4365116.8/33

Out: 1900.617+/-0.381 χ^2/NDF:21261771.4/38

All: 2450.008+/-0.325 χ^2/NDF: 33203342.0/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2648.169+/-484.994 χ^2/NDF:18.9/17

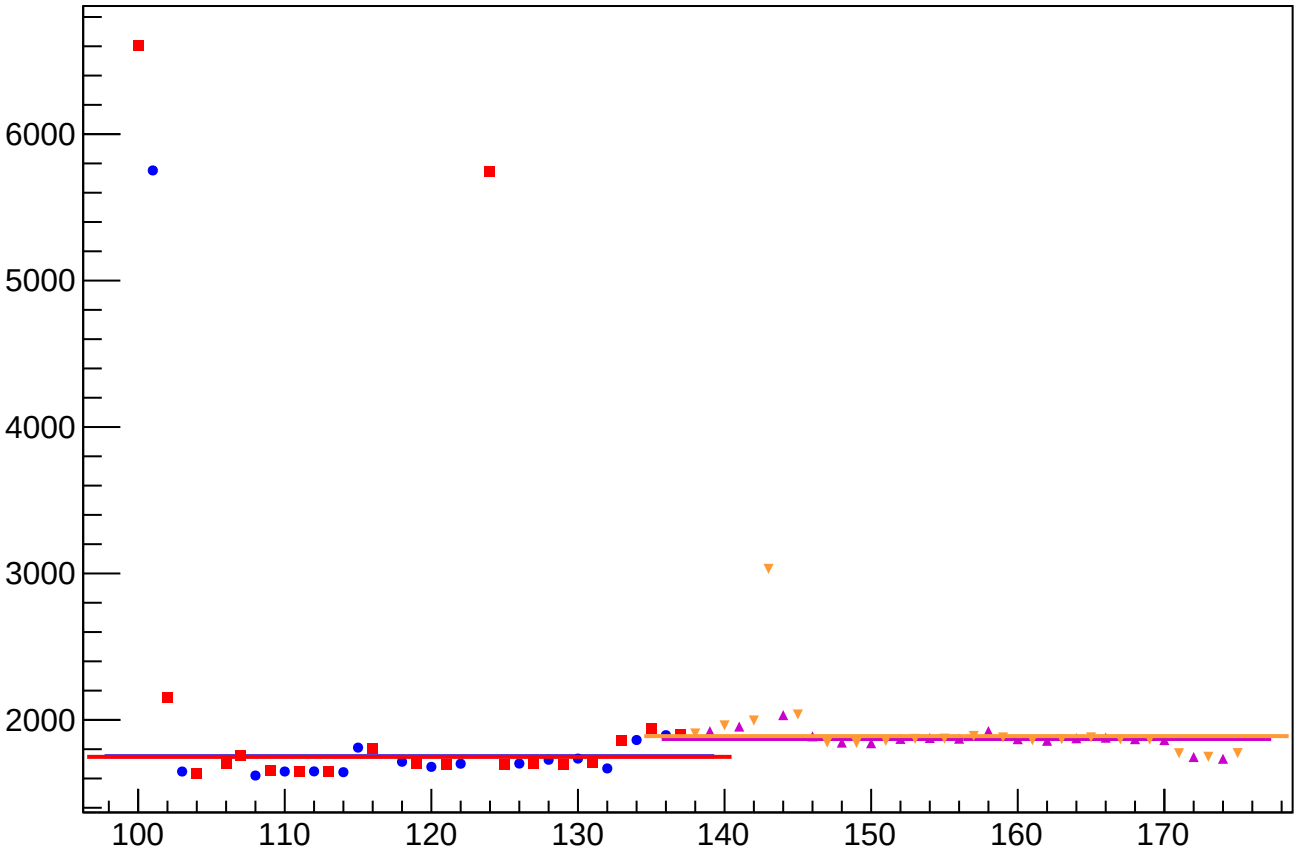
Left: 2088.638+/-339.808 χ^2/NDF: 46.6/37

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2416.000+/-392.403 χ^2/NDF:31.6/33

Out: 1782.693+/-385.452 χ^2/NDF:44.8/38

All: 2093.687+/-274.981 χ^2/NDF: 77.8/72



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

Left: 1879.699+/-0.240 χ^2/NDF: 312307.2/37

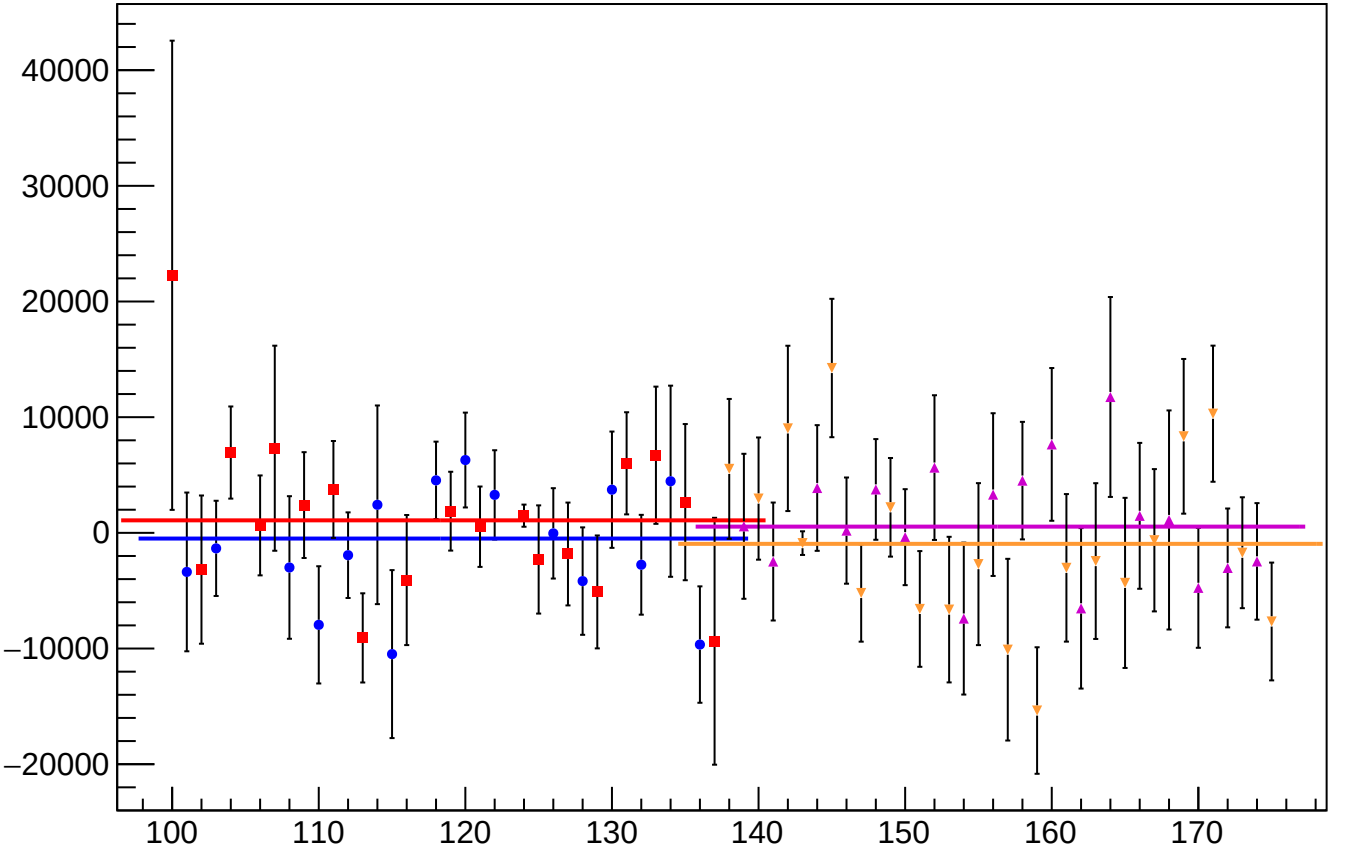
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.955+/-0.277 χ^2/NDF:748614.7/33

Out: 1840.232+/-0.272 χ^2/NDF:632807.6/38

All: 1834.701+/-0.194 χ^2/NDF: 1382264.1/72

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 538.606+/-1322.480 χ^2/NDF:10.0/17

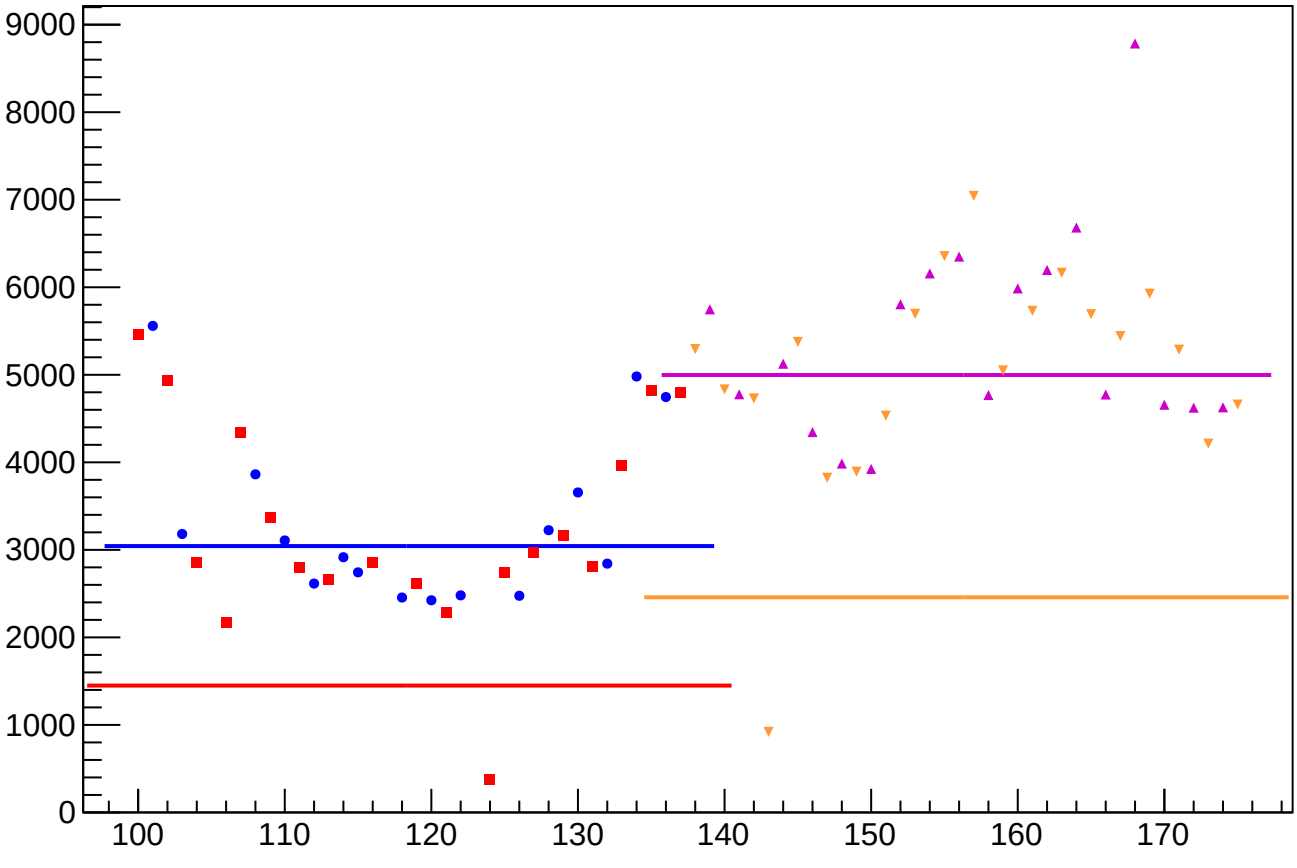
Left: -547.517+/-688.283 χ^2/NDF: 40.8/37

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -38.619+/-877.647 χ^2/NDF:26.3/33

Out: 163.312+/-541.676 χ^2/NDF:51.8/38

All: 107.610+/-460.951 χ^2/NDF: 78.2/72



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

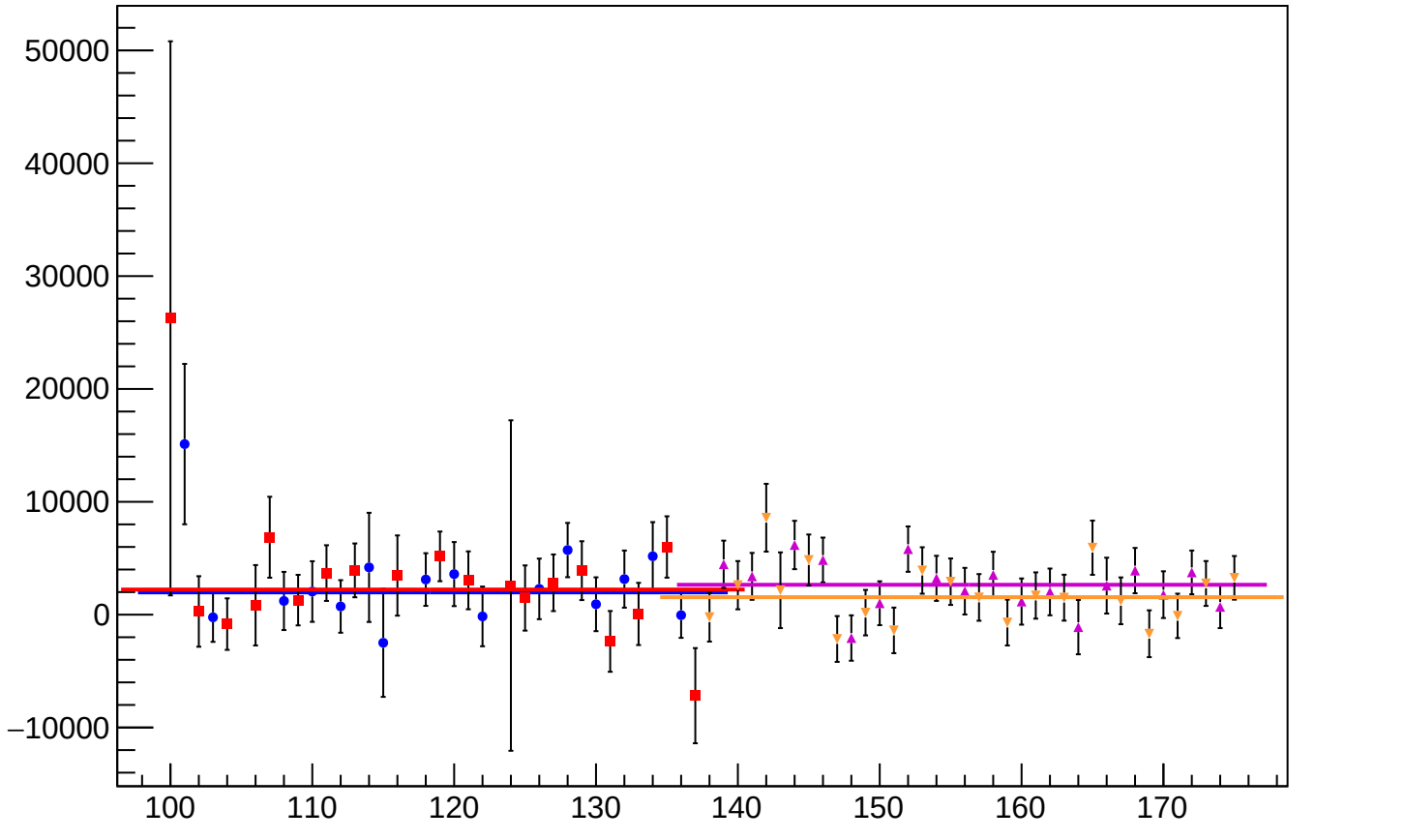
Left: 3146.054+/-0.487 χ^2/NDF: 19140766.2/37

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3903.954+/-0.621 χ^2/NDF:4372218.2/33

Out: 1905.055+/-0.383 χ^2/NDF:21285262.1/38

All: 2456.446+/-0.326 χ^2/NDF: 33170289.1/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2648.169+/-484.994 χ^2/NDF:18.9/17

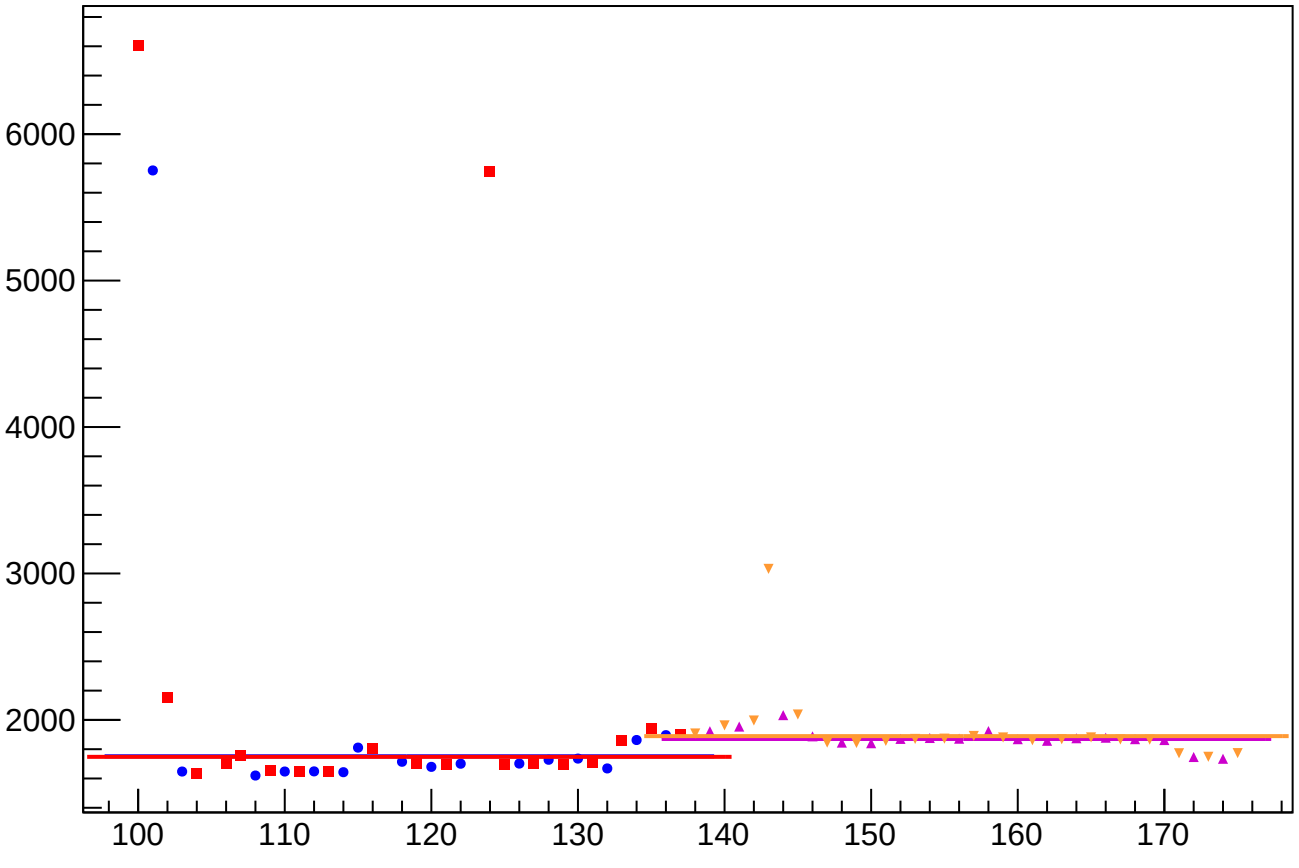
Left: 2088.638+/-339.808 χ^2/NDF: 46.6/37

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2416.000+/-392.403 χ^2/NDF:31.6/33

Out: 1782.693+/-385.452 χ^2/NDF:44.8/38

All: 2093.687+/-274.981 χ^2/NDF: 77.8/72



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

Left: 1879.699+/-0.240 χ^2/NDF: 312307.2/37

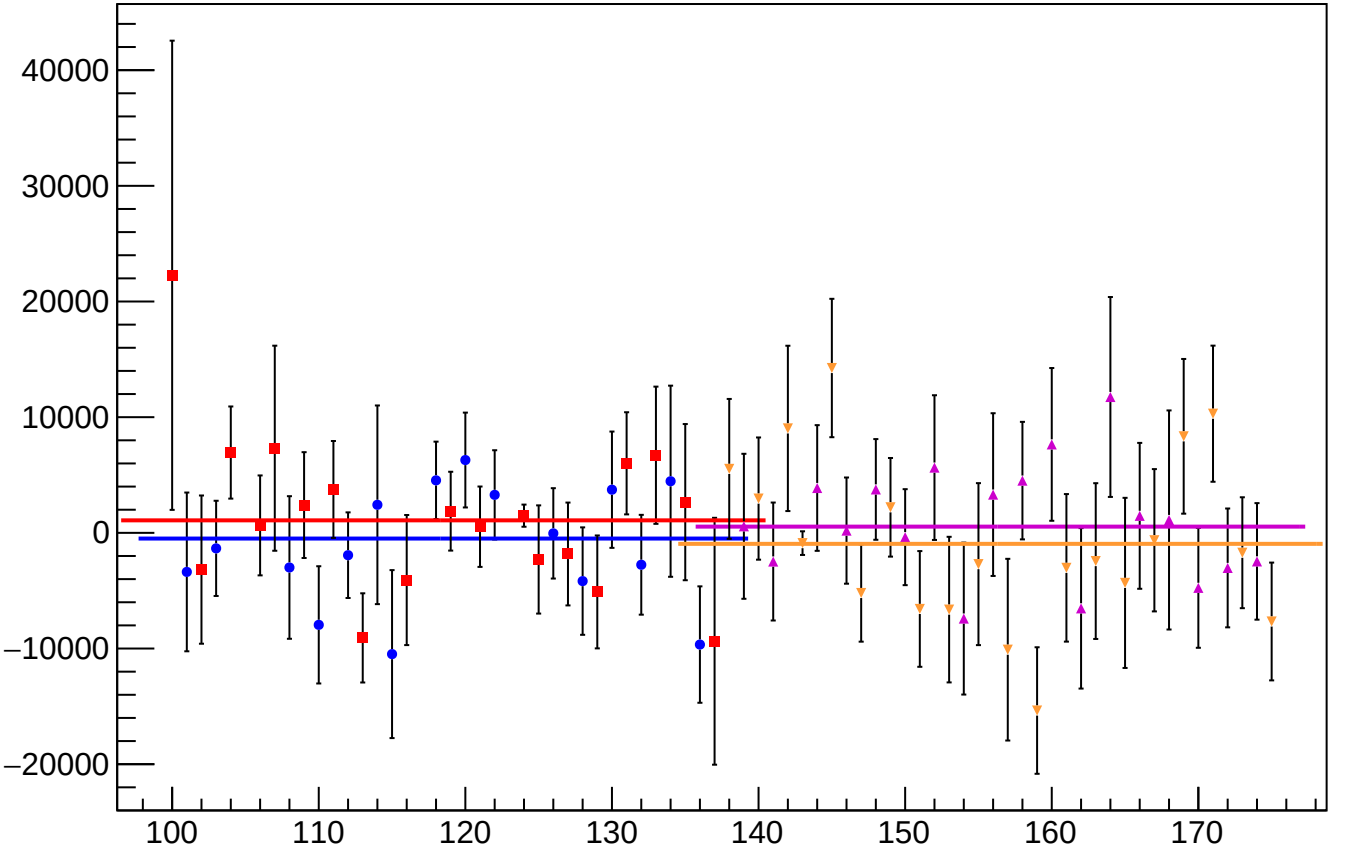
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.955+/-0.277 χ^2/NDF:748614.7/33

Out: 1840.232+/-0.272 χ^2/NDF:632807.6/38

All: 1834.701+/-0.194 χ^2/NDF: 1382264.1/72

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 538.606+/-1322.480 χ^2/NDF:10.0/17

Left: -547.517+/-688.283 χ^2/NDF: 40.8/37

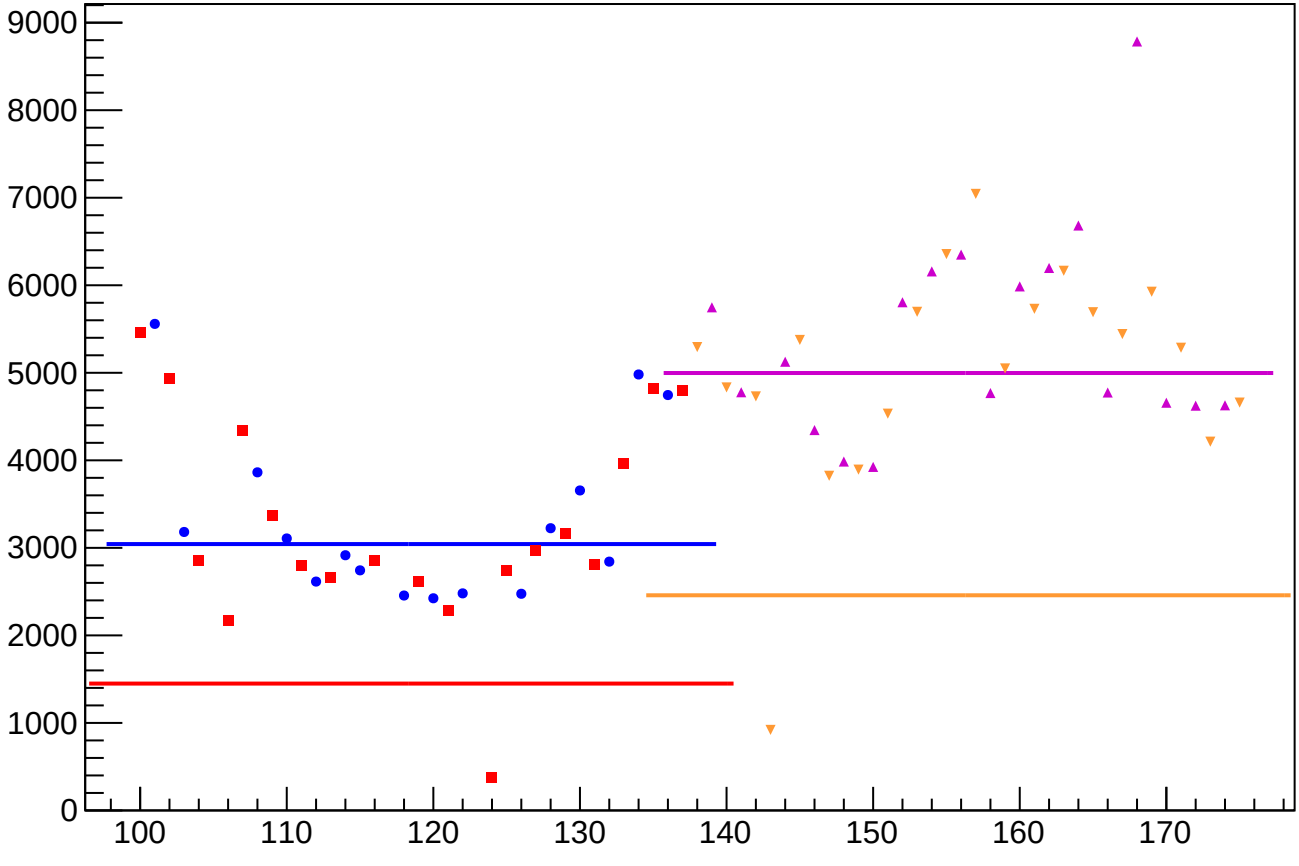
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -38.619+/-877.647 χ^2/NDF:26.3/33

Out: 163.312+/-541.676 χ^2/NDF:51.8/38

All: 107.610+/-460.951 χ^2/NDF: 78.2/72

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

Left: 3146.054+/-0.487 χ^2/NDF: 19140766.2/37

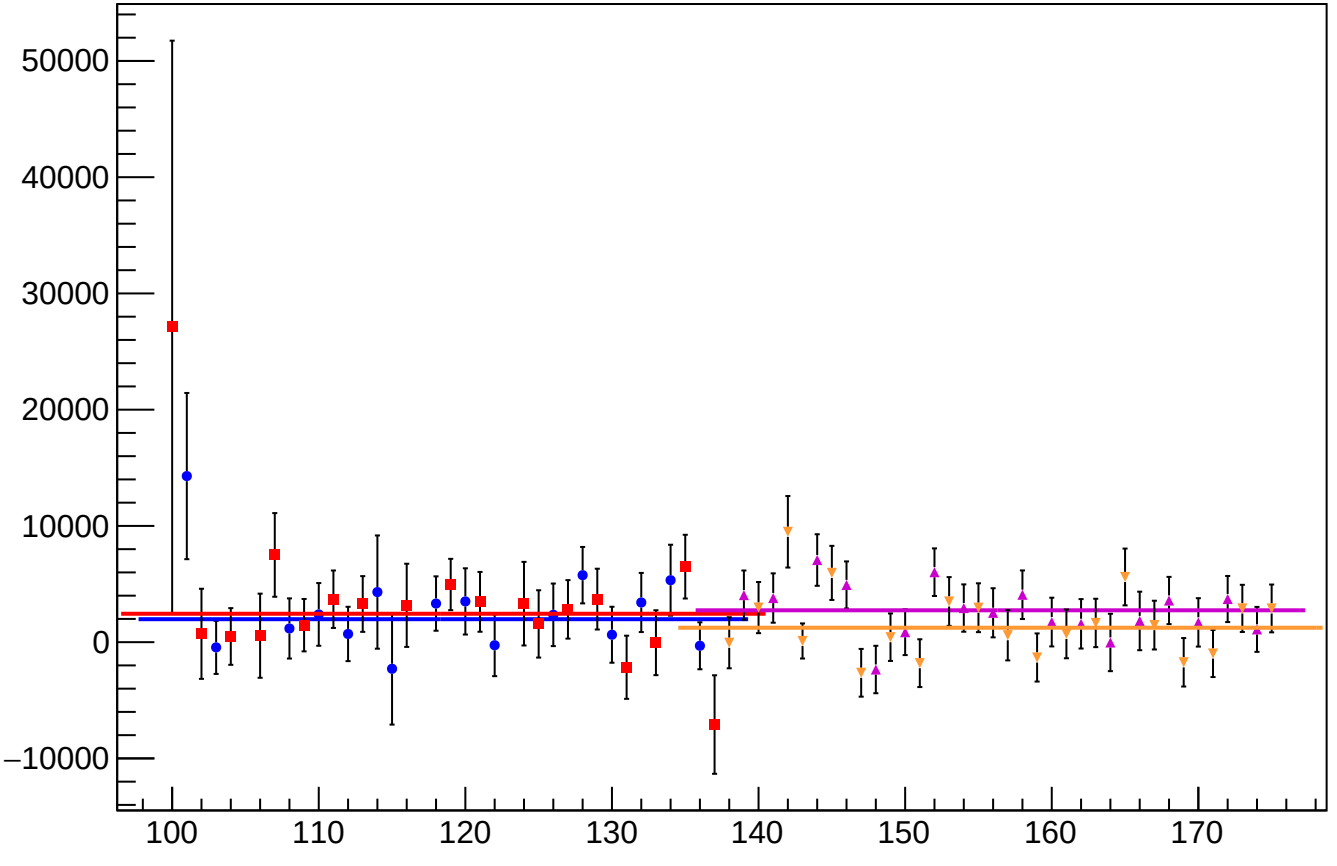
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3903.954+/-0.621 χ^2/NDF:4372218.2/33

Out: 1905.055+/-0.383 χ^2/NDF:21285262.1/38

All: 2456.446+/-0.326 χ^2/NDF: 33170289.1/7

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.281+/-468.245 χ^2/NDF:30.1/19

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2741.217+/-494.655 χ^2/NDF:19.0/17

Left: 1950.141+/-340.052 χ^2/NDF: 54.0/37

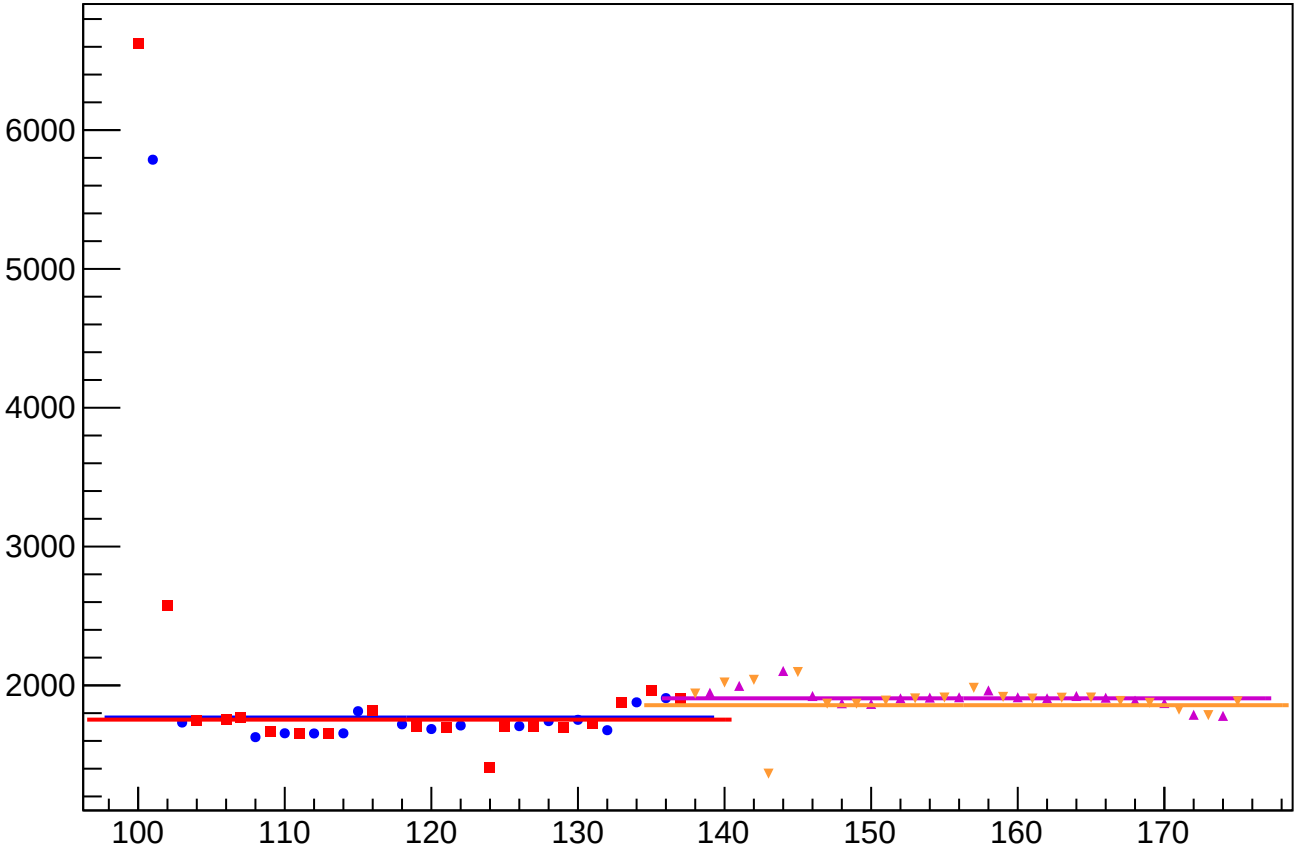
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2473.315+/-398.800 χ^2/NDF:32.3/33

Out: 1645.921+/-381.445 χ^2/NDF:49.8/38

All: 2041.223+/-275.654 χ^2/NDF: 84.3/72

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274008.9/19

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1906.844+/-0.350 χ^2/NDF:39636.0/17

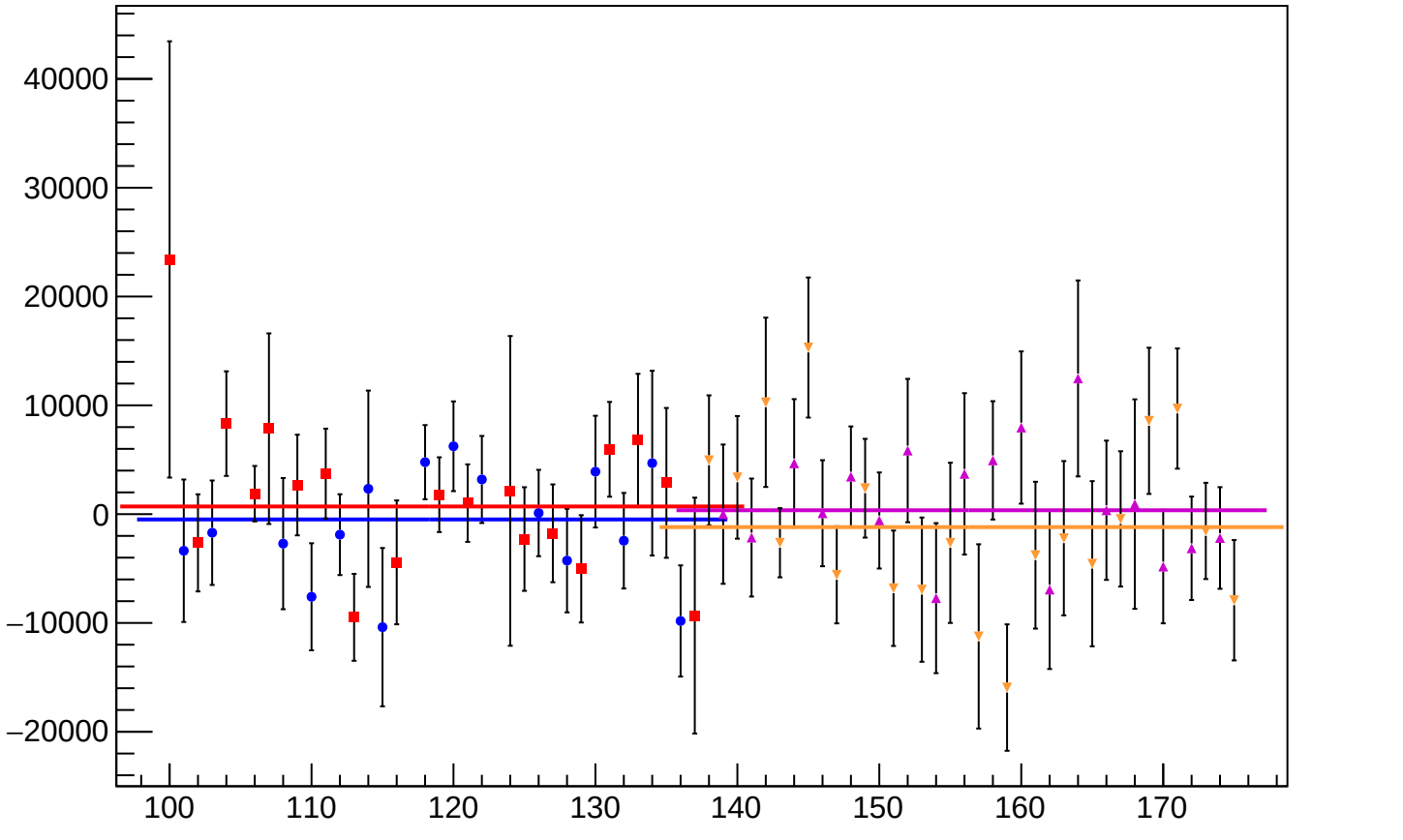
Left: 1880.700+/-0.240 χ^2/NDF: 324238.3/37

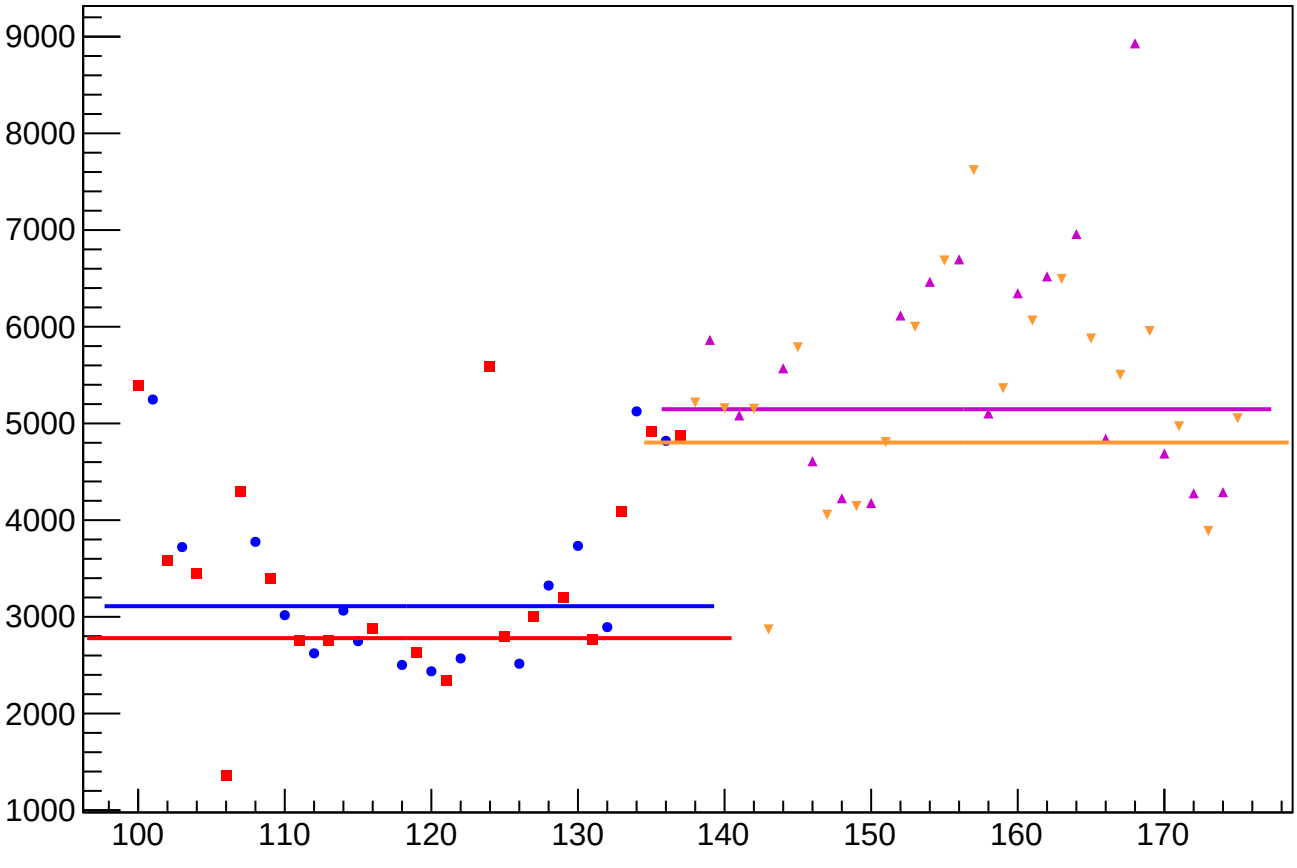
Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1858.415+/-0.282 χ^2/NDF:761774.6/33

Out: 1822.202+/-0.269 χ^2/NDF:526108.1/38

All: 1839.488+/-0.195 χ^2/NDF: 1296502.1/72


asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -488.104+/-1198.506 χ²/NDF: 15.8/15
Left Out: -1192.672+/-1247.848 χ²/NDF:29.9/19
Right Out: 703.324+/-1069.467 χ²/NDF: 18.8/18
Left In: 355.576+/-1364.393 χ²/NDF:10.0/17
Left: -487.486+/-920.812 χ²/NDF: 40.6/37
Right: 175.178+/-797.963 χ²/NDF: 35.1/34
In: -120.645+/-900.441 χ²/NDF:26.0/33
Out: -99.586+/-812.037 χ²/NDF:50.1/38
All: -109.031+/-603.036 χ²/NDF: 76.1/72



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4802.498+/-0.882 χ^2/NDF:1742428.8/19

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5147.147+/-0.965 χ^2/NDF:1113927.7/17

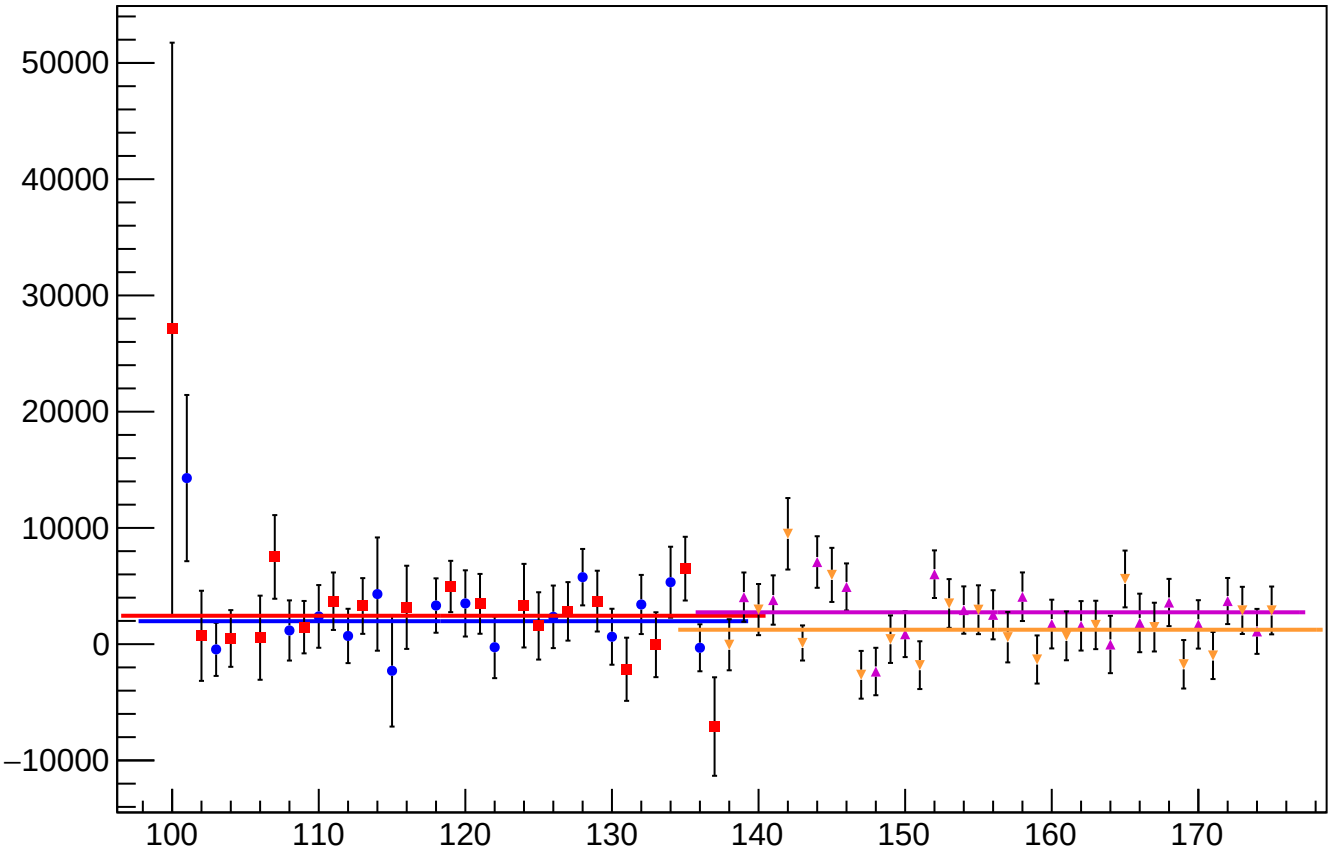
Left: 4959.476+/-0.651 χ^2/NDF: 2925847.1/37

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3997.341+/-0.637 χ^2/NDF:4513531.5/33

Out: 3636.266+/-0.574 χ^2/NDF:6120684.5/38

All: 3798.213+/-0.426 χ^2/NDF: 10811572.5/7



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.279+/-468.245 χ^2/NDF:30.1/19

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2741.217+/-494.655 χ^2/NDF:19.0/17

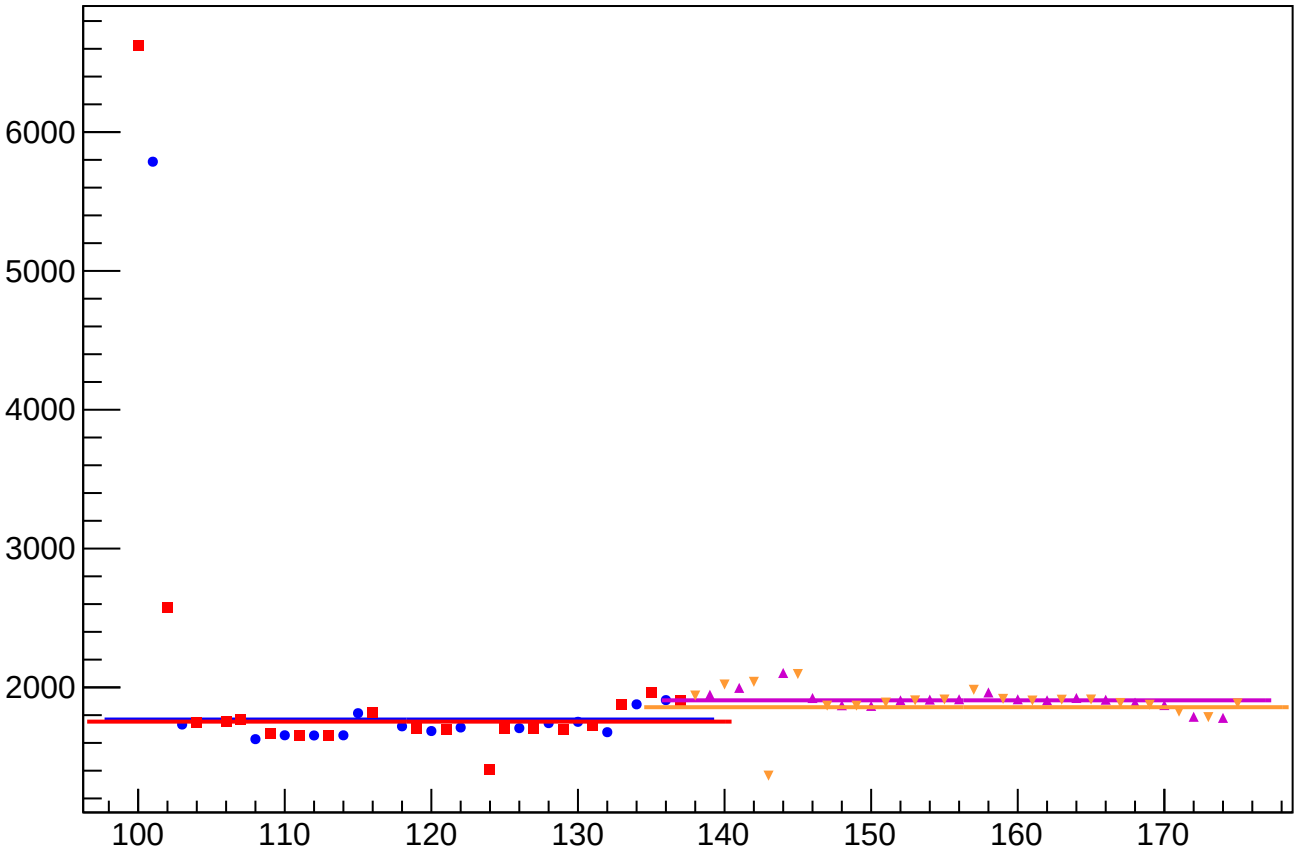
Left: 1950.140+/-340.053 χ^2/NDF: 54.0/37

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2473.315+/-398.800 χ^2/NDF:32.3/33

Out: 1645.919+/-381.445 χ^2/NDF:49.8/38

All: 2041.223+/-275.654 χ^2/NDF: 84.3/72



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274010.7/19

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1906.845+/-0.350 χ^2/NDF:39637.2/17

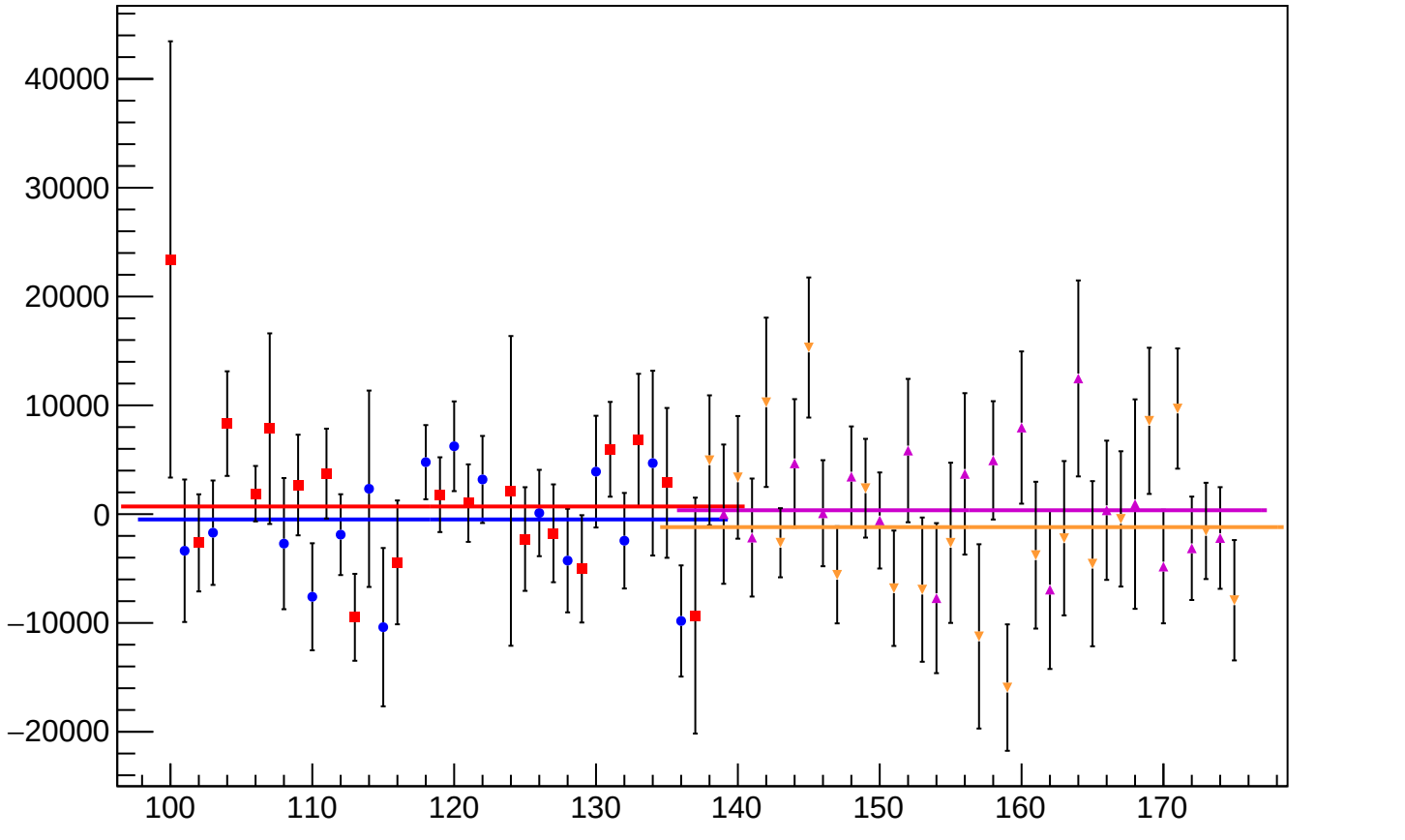
Left: 1880.700+/-0.240 χ^2/NDF: 324241.4/37

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1858.416+/-0.282 χ^2/NDF:761776.3/33

Out: 1822.203+/-0.269 χ^2/NDF:526110.3/38

All: 1839.488+/-0.195 χ^2/NDF: 1296506.0/72



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1192.678+/-1247.849 χ^2/NDF:29.9/19

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 355.577+/-1364.395 χ^2/NDF:10.0/17

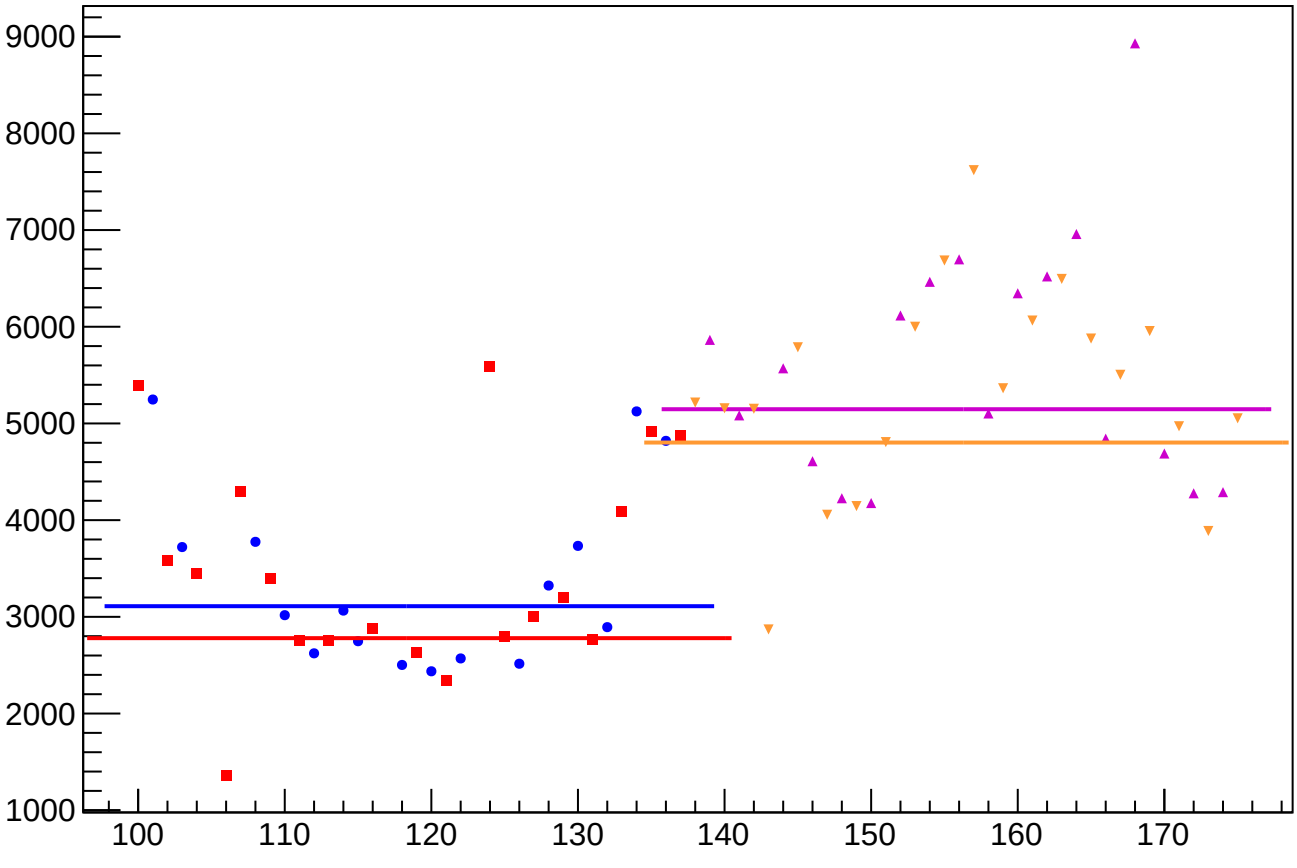
Left: -487.489+/-920.814 χ^2/NDF: 40.6/37

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -120.643+/-900.440 χ^2/NDF:26.0/33

Out: -99.582+/-812.036 χ^2/NDF:50.1/38

All: -109.028+/-603.035 χ^2/NDF: 76.1/72



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4802.504+/-0.882 χ^2/NDF:1742434.9/19

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5147.155+/-0.965 χ^2/NDF:1113928.7/17

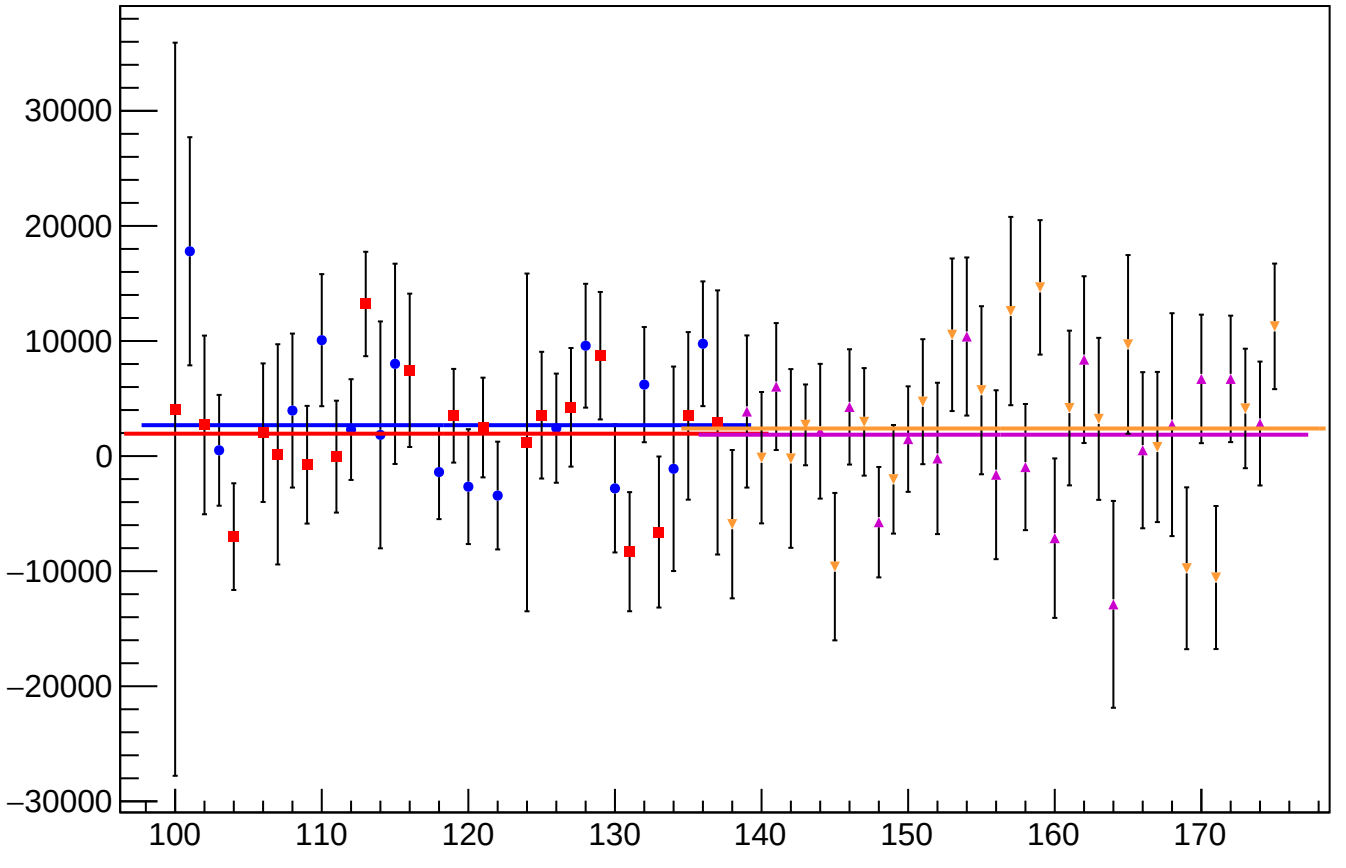
Left: 4959.483+/-0.651 χ^2/NDF: 2925854.4/37

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3997.333+/-0.637 χ^2/NDF:4513591.2/33

Out: 3636.256+/-0.574 χ^2/NDF:6120771.9/38

All: 3798.204+/-0.426 χ^2/NDF: 10811722.4/7



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2396.871+/-1305.948 χ^2/NDF:25.4/19

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1857.001+/-1419.532 χ^2/NDF:12.3/17

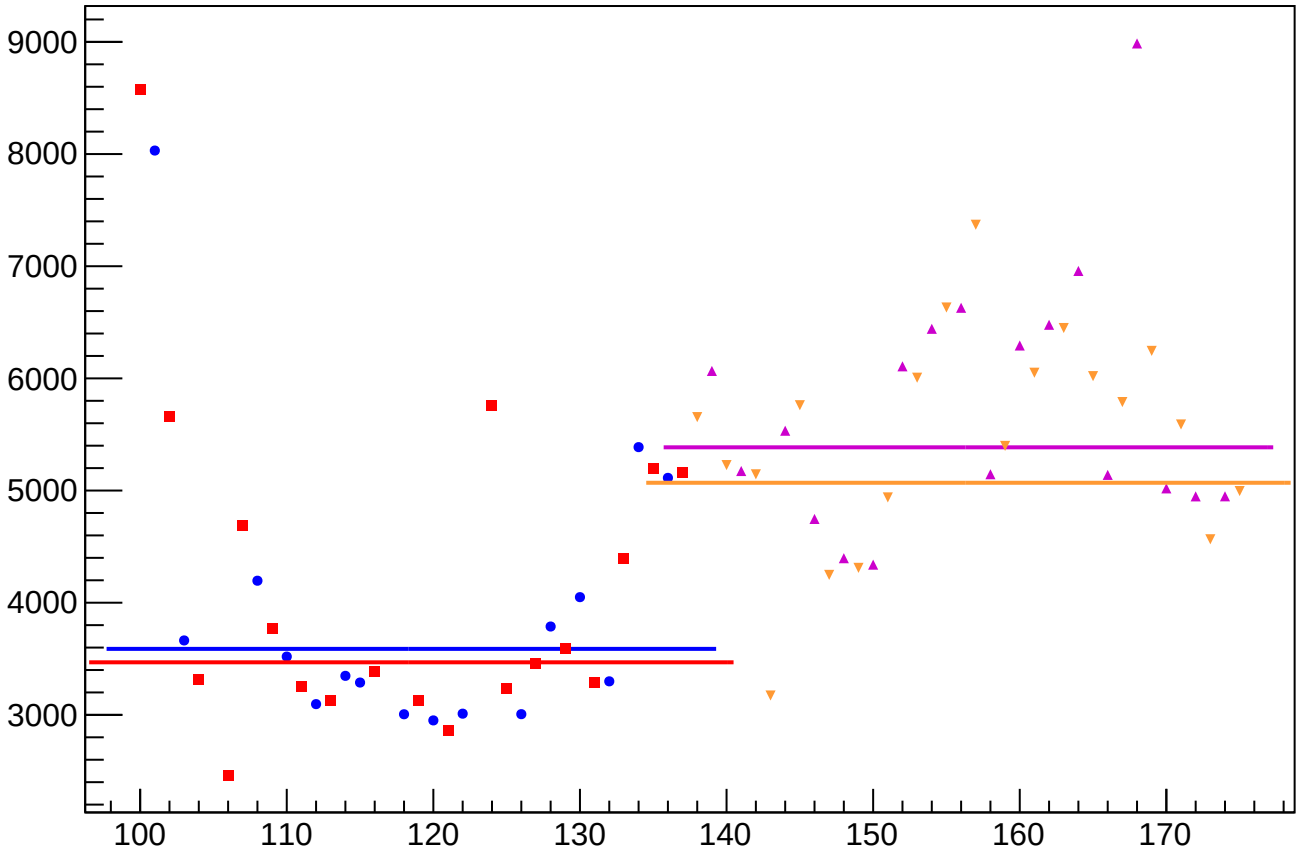
Left: 2149.396+/-961.095 χ^2/NDF: 37.8/37

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2282.931+/-989.454 χ^2/NDF:26.0/33

Out: 2175.901+/-932.857 χ^2/NDF:44.1/38

All: 2226.267+/-678.756 χ^2/NDF: 70.1/72



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5069.359+/-0.923 χ^2/NDF:1298225.9/19

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5385.379+/-1.004 χ^2/NDF:834211.1/17

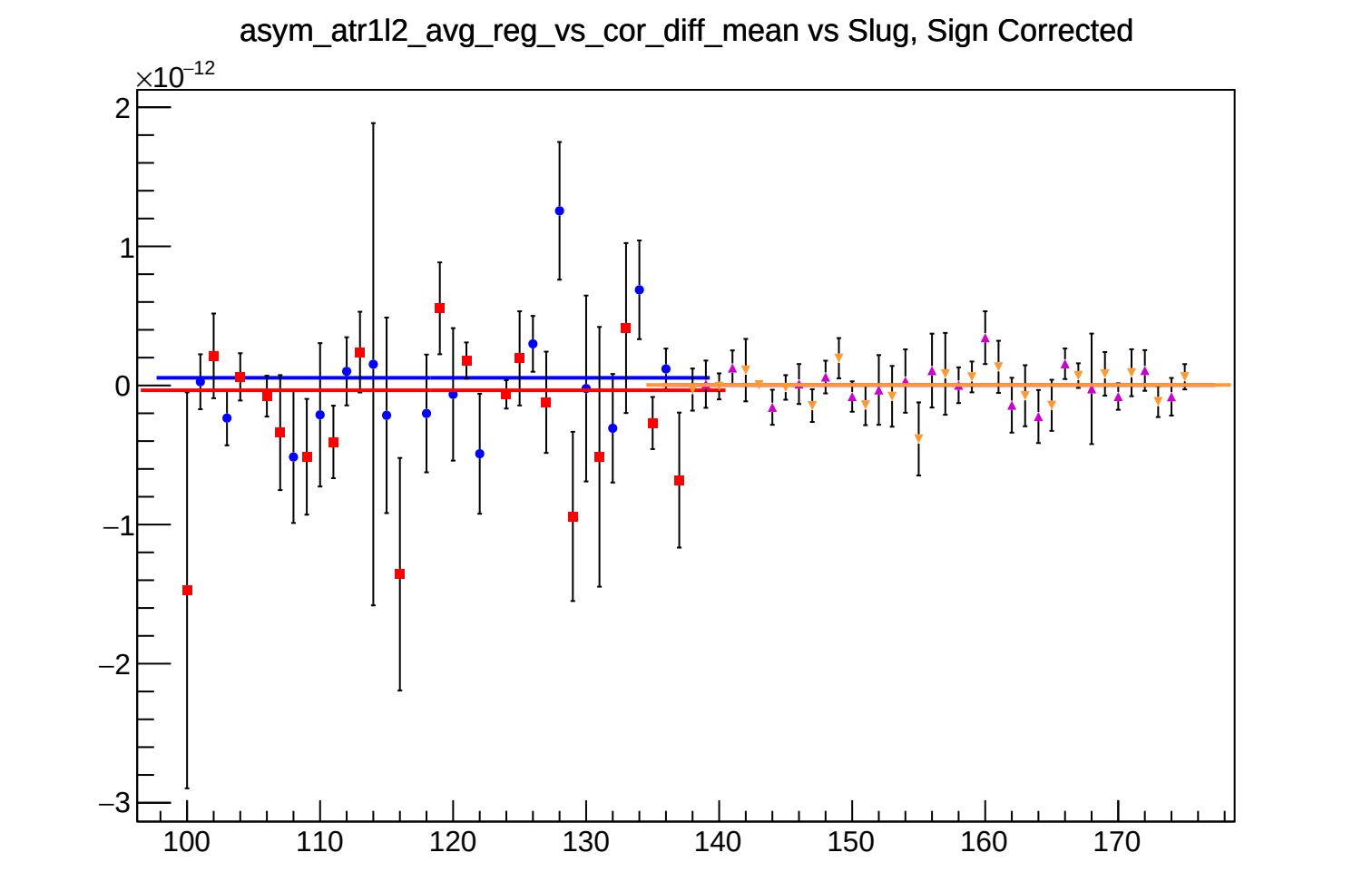
Left: 5214.222+/-0.680 χ^2/NDF: 2186121.8/37

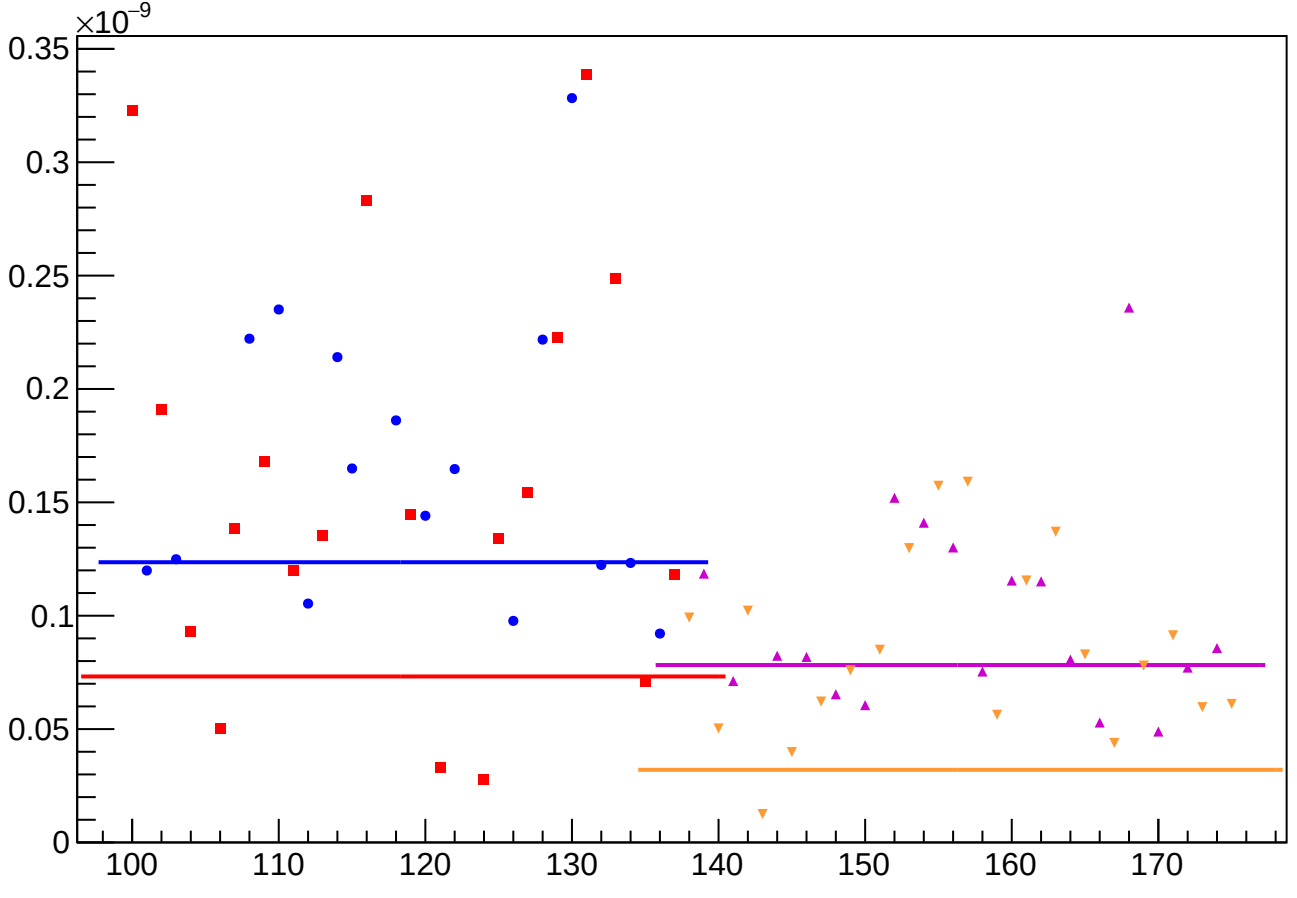
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4461.473+/-0.700 χ^2/NDF:3327225.4/33

Out: 4273.145+/-0.655 χ^2/NDF:3459375.8/38

All: 4361.061+/-0.478 χ^2/NDF: 6825232.6/72


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:11.3/19
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:12.3/17
Left: 0.000+/-0.000 χ²/NDF: 23.6/37
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:30.5/33
Out: -0.000+/-0.000 χ²/NDF:34.0/38
All: 0.000+/-0.000 χ²/NDF: 64.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5887247.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1366664.7/17

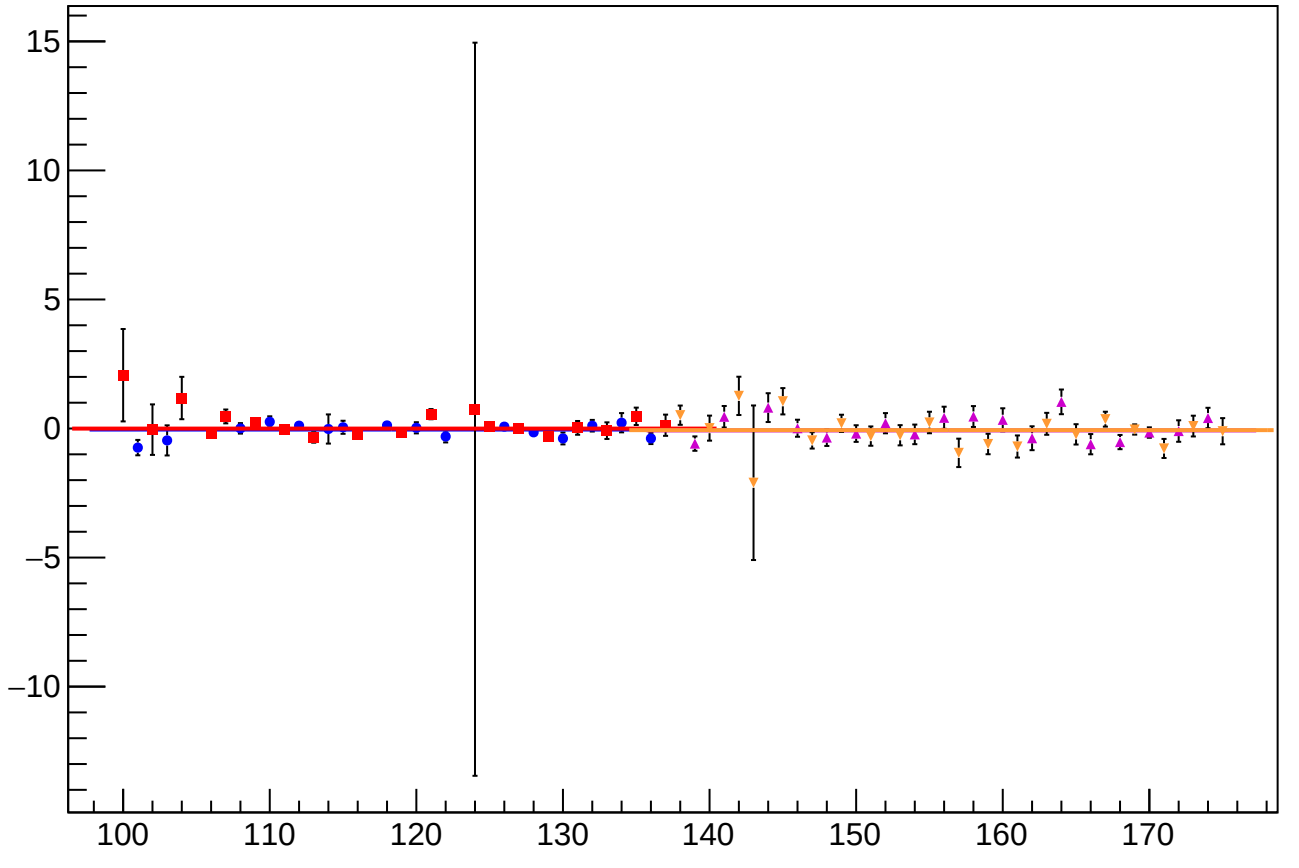
Left: 0.000+/-0.000 χ^2/NDF: 10114121.3/37

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2659606.1/33

Out: 0.000+/-0.000 χ^2/NDF:9148338.6/38

All: 0.000+/-0.000 χ^2/NDF: 15819938.0/72



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

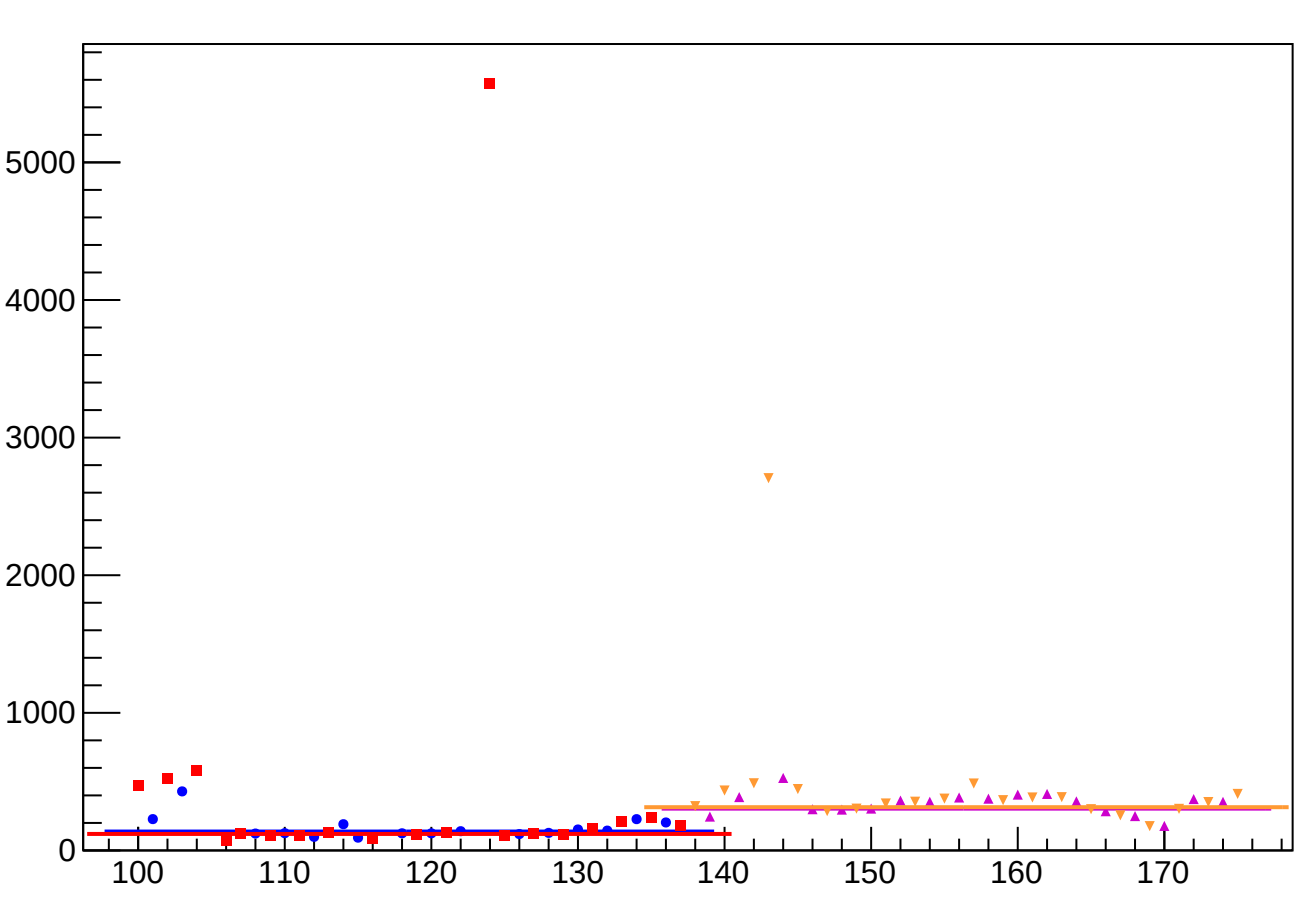
Left: -0.068+/-0.059 χ^2/NDF: 52.3/37

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 99.7/72



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

Left: 309.002+/-0.042 χ^2/NDF: 5116020.6/37

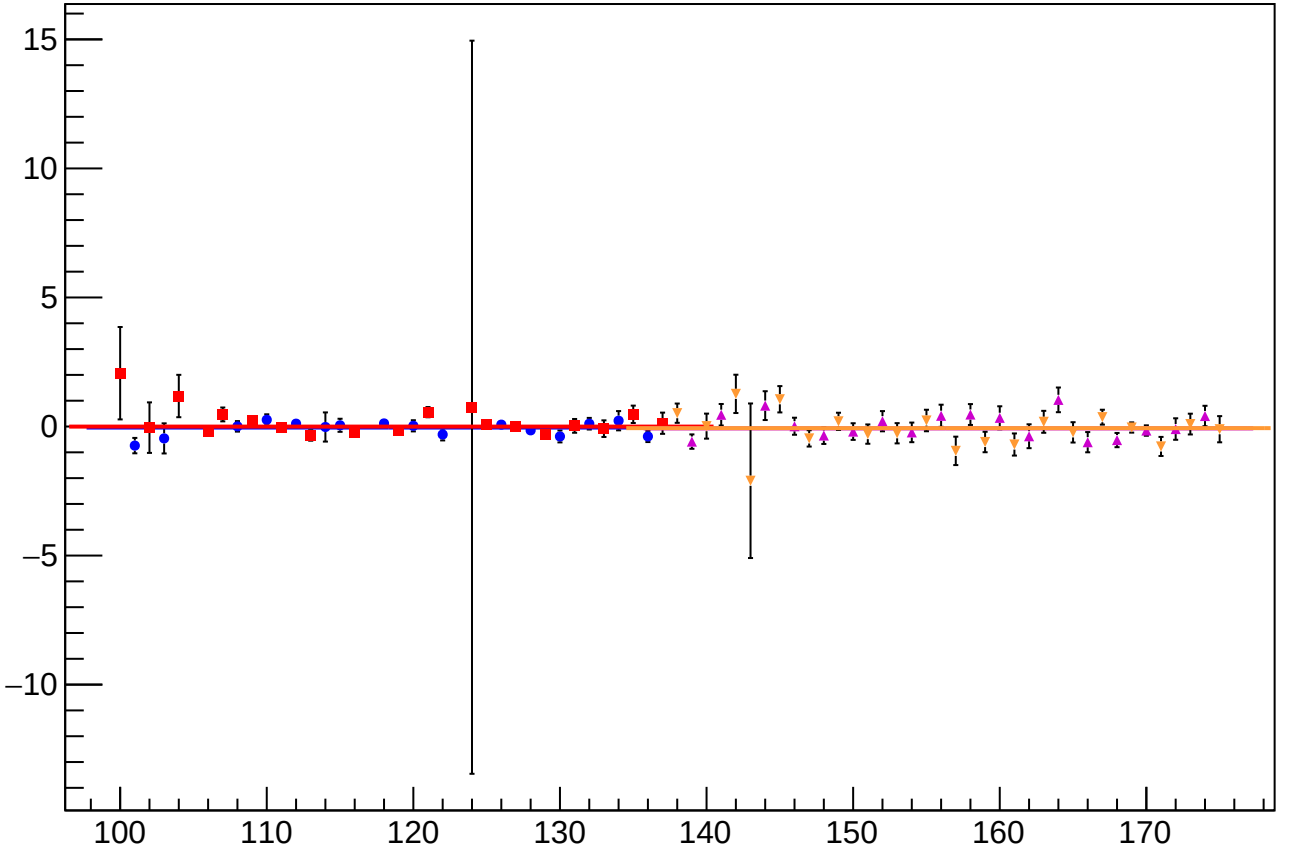
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 189.346+/-0.033 χ^2/NDF:8703473.4/33

Out: 171.064+/-0.031 χ^2/NDF:13010655.3/38

All: 179.682+/-0.022 χ^2/NDF: 21878914.4/72

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

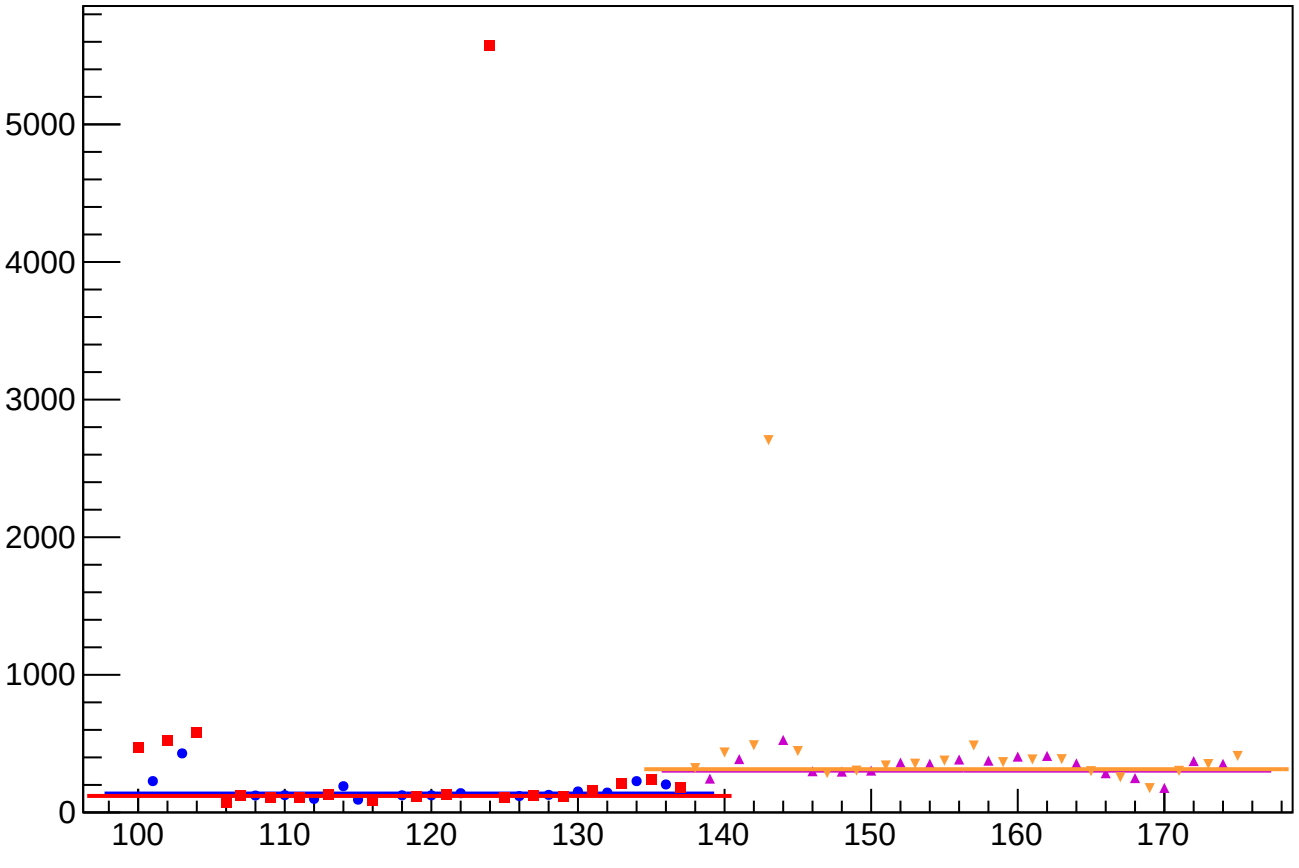
Left: -0.068+/-0.059 χ^2/NDF: 52.3/37

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 99.7/72



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

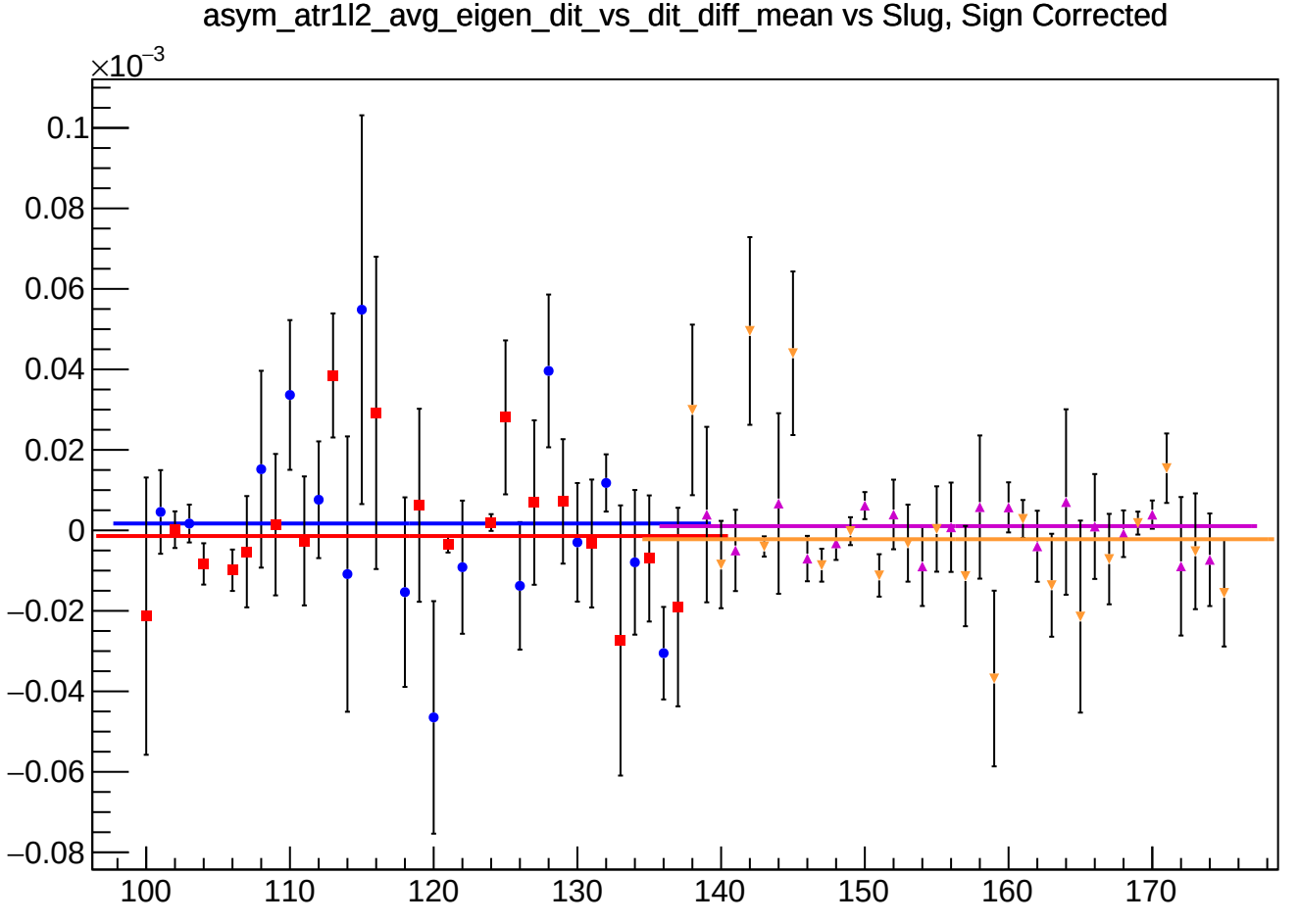
Left: 309.002+/-0.042 χ^2/NDF: 5116020.6/37

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 189.346+/-0.033 χ^2/NDF:8703473.4/33

Out: 171.064+/-0.031 χ^2/NDF:13010655.3/38

All: 179.682+/-0.022 χ^2/NDF: 21878914.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/17

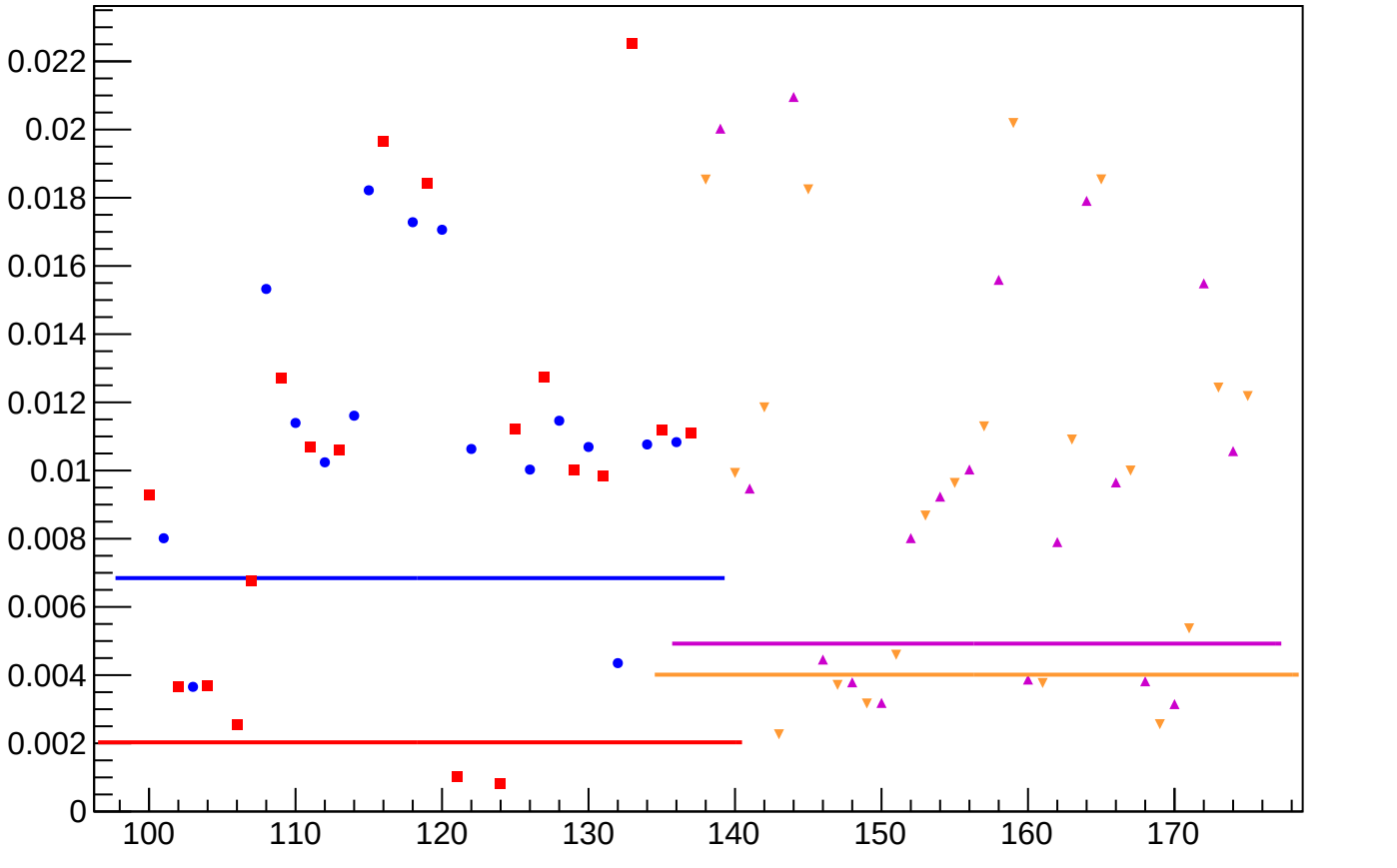
Left: -0.000+/-0.000 χ^2/NDF: 44.2/37

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:33.4/33

Out: -0.000+/-0.000 χ^2/NDF:52.5/38

All: -0.000+/-0.000 χ^2/NDF: 89.2/72



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:10580528.6/19

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7868994.6/17

Left: 0.004+/-0.000 χ^2/NDF: 18841544.2/37

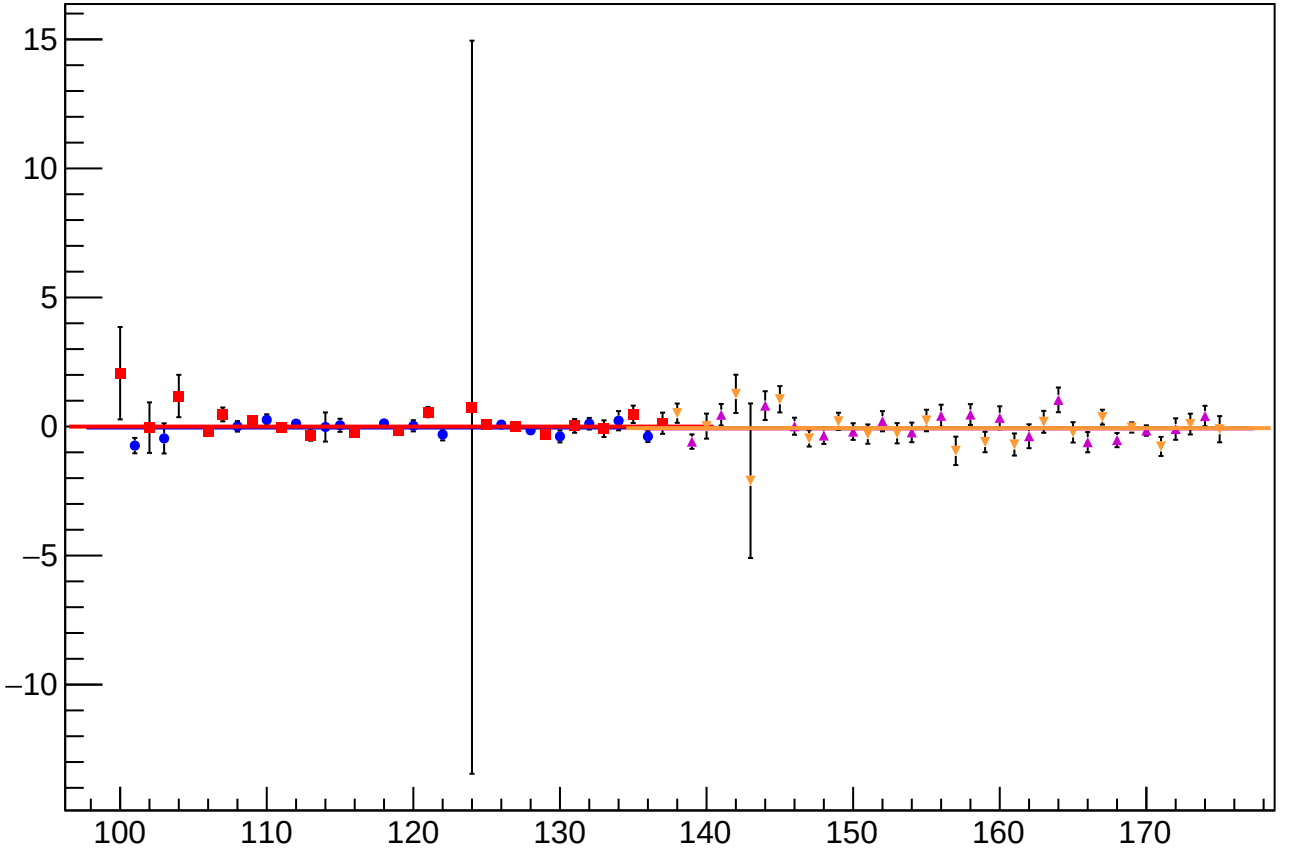
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:11750913.8/33

Out: 0.003+/-0.000 χ^2/NDF:21989315.4/38

All: 0.004+/-0.000 χ^2/NDF: 37770988.9/72

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

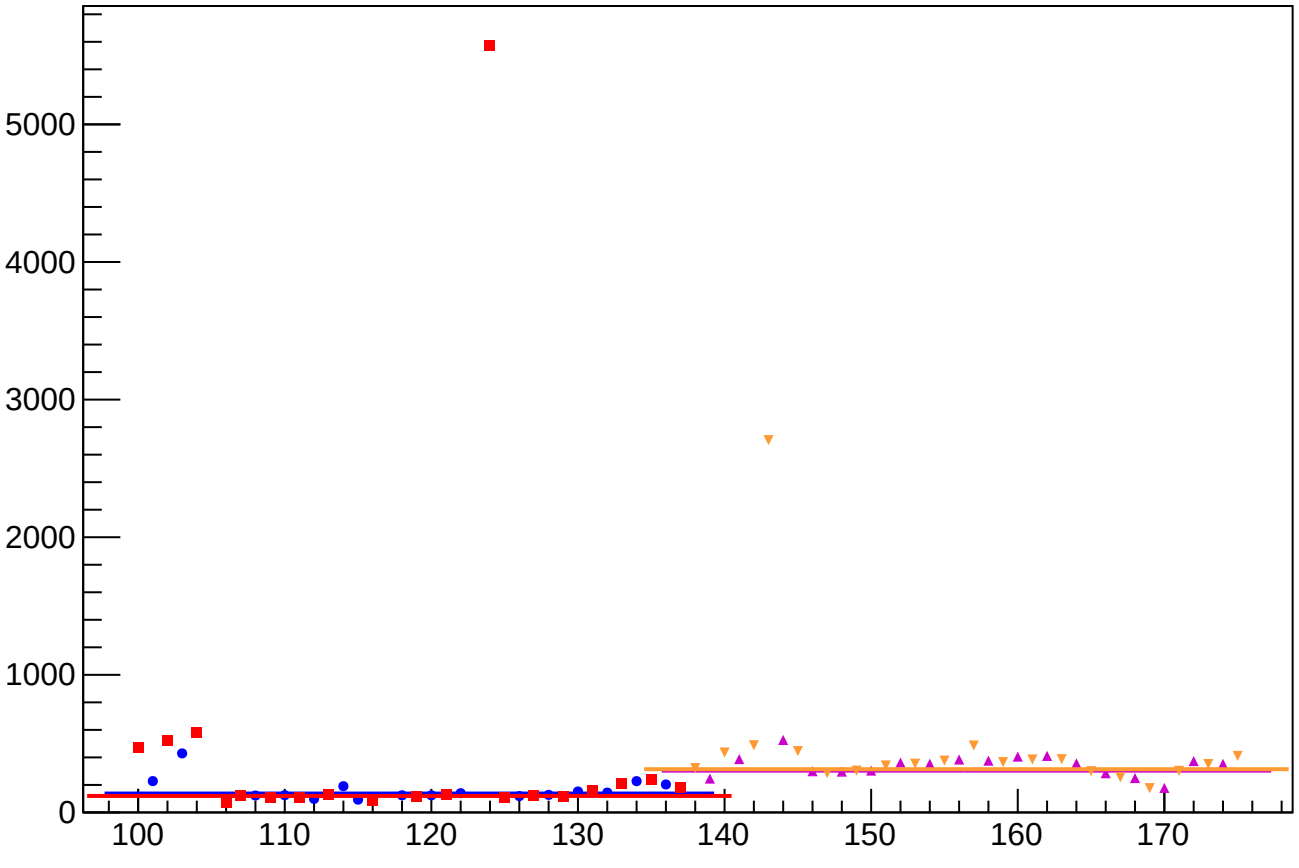
Left: -0.068+/-0.059 χ^2/NDF: 52.3/37

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 99.7/72



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

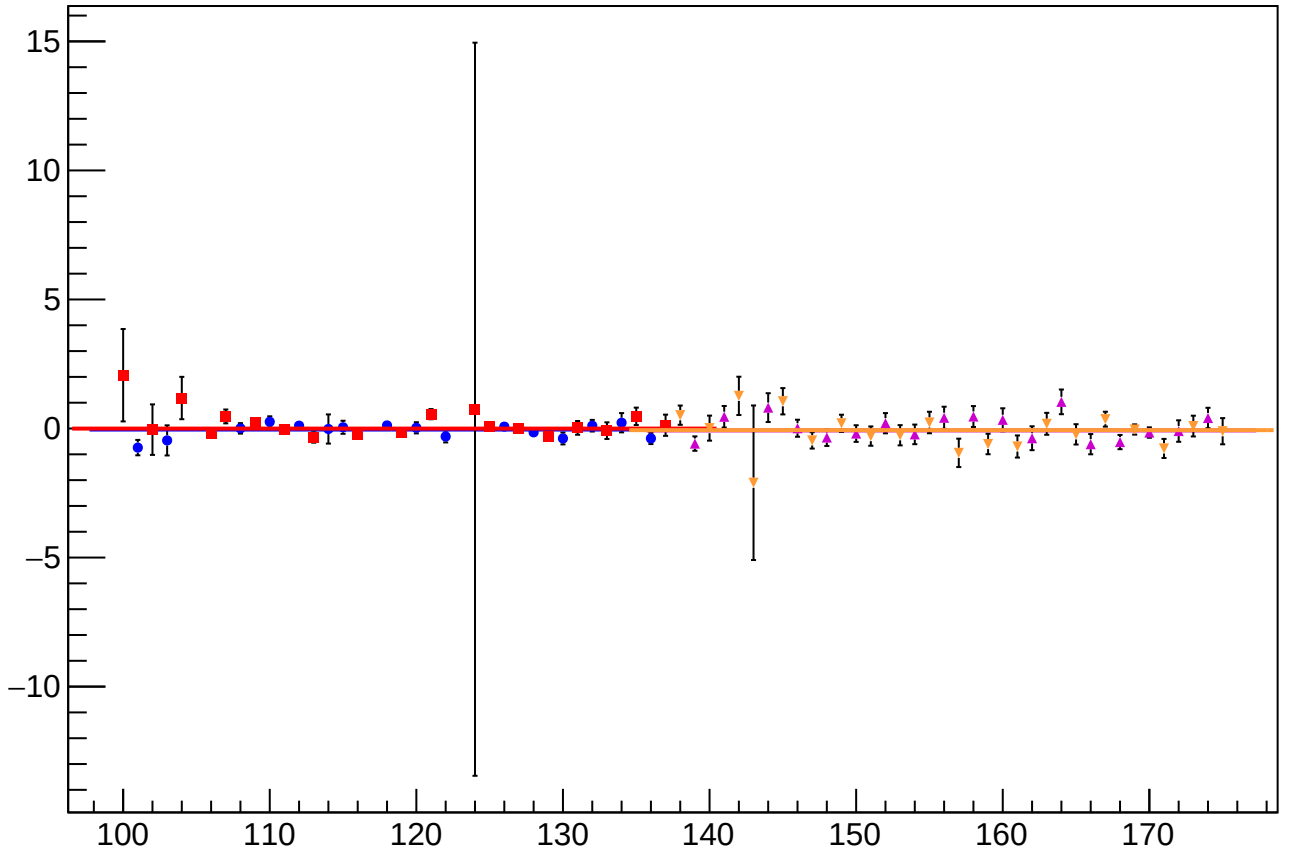
Left: 309.004+/-0.042 χ^2/NDF: 5116048.0/37

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 189.347+/-0.033 χ^2/NDF:8703437.3/33

Out: 171.064+/-0.031 χ^2/NDF:13010698.1/38

All: 179.682+/-0.022 χ^2/NDF: 21878943.5/72



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

Left: -0.068+/-0.059 χ^2/NDF: 52.3/37

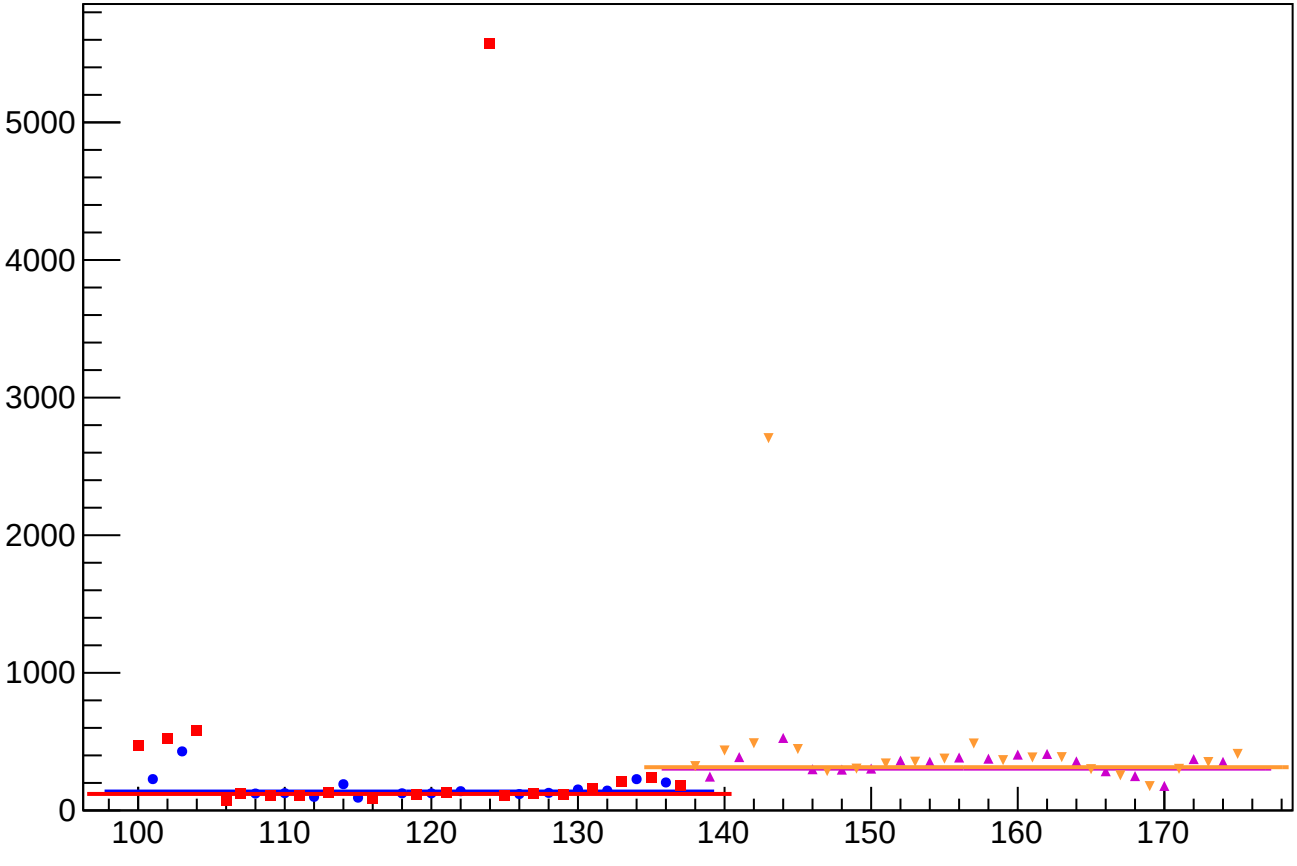
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 99.7/72

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

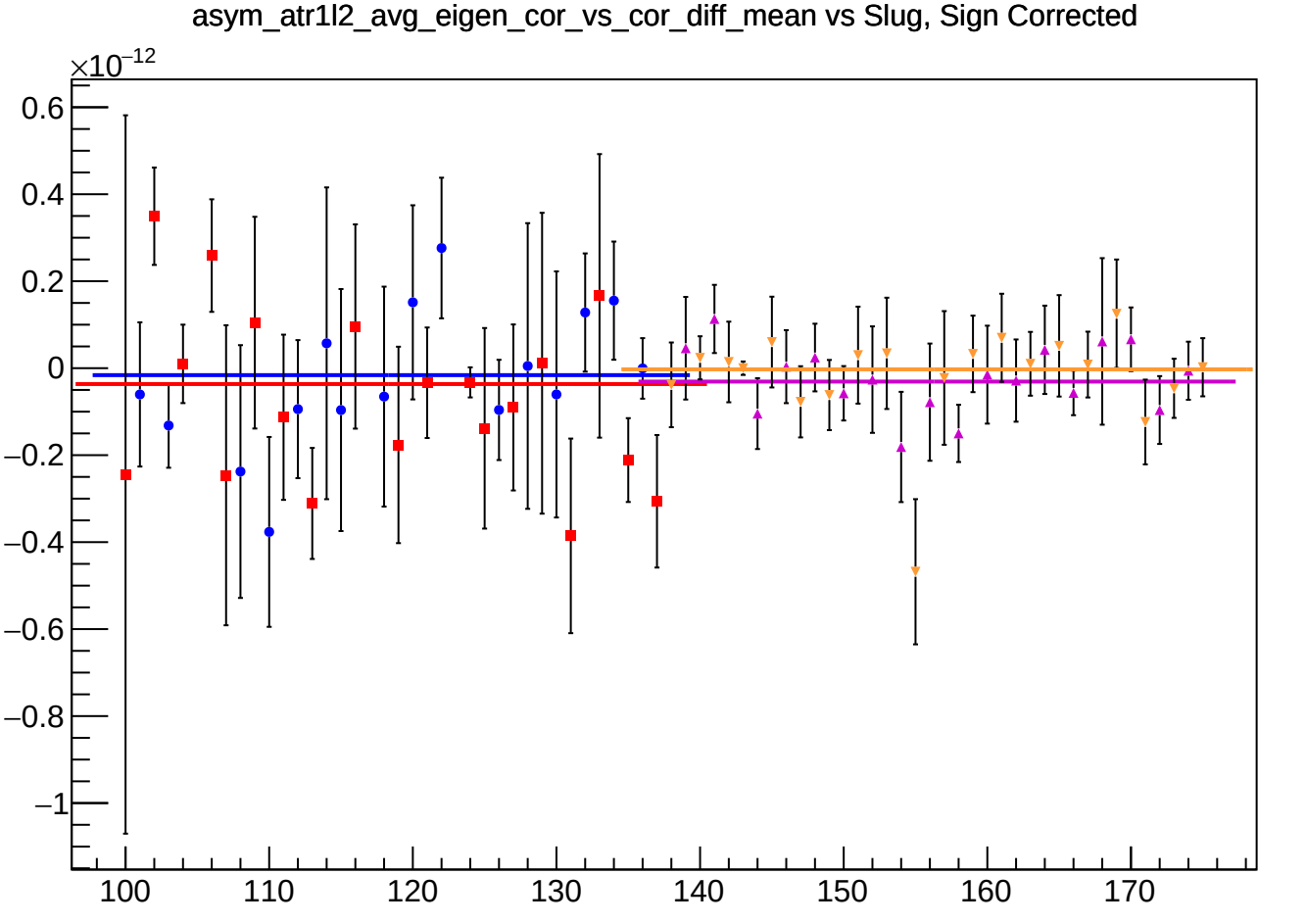
Left: 309.004+/-0.042 χ^2/NDF: 5116048.0/37

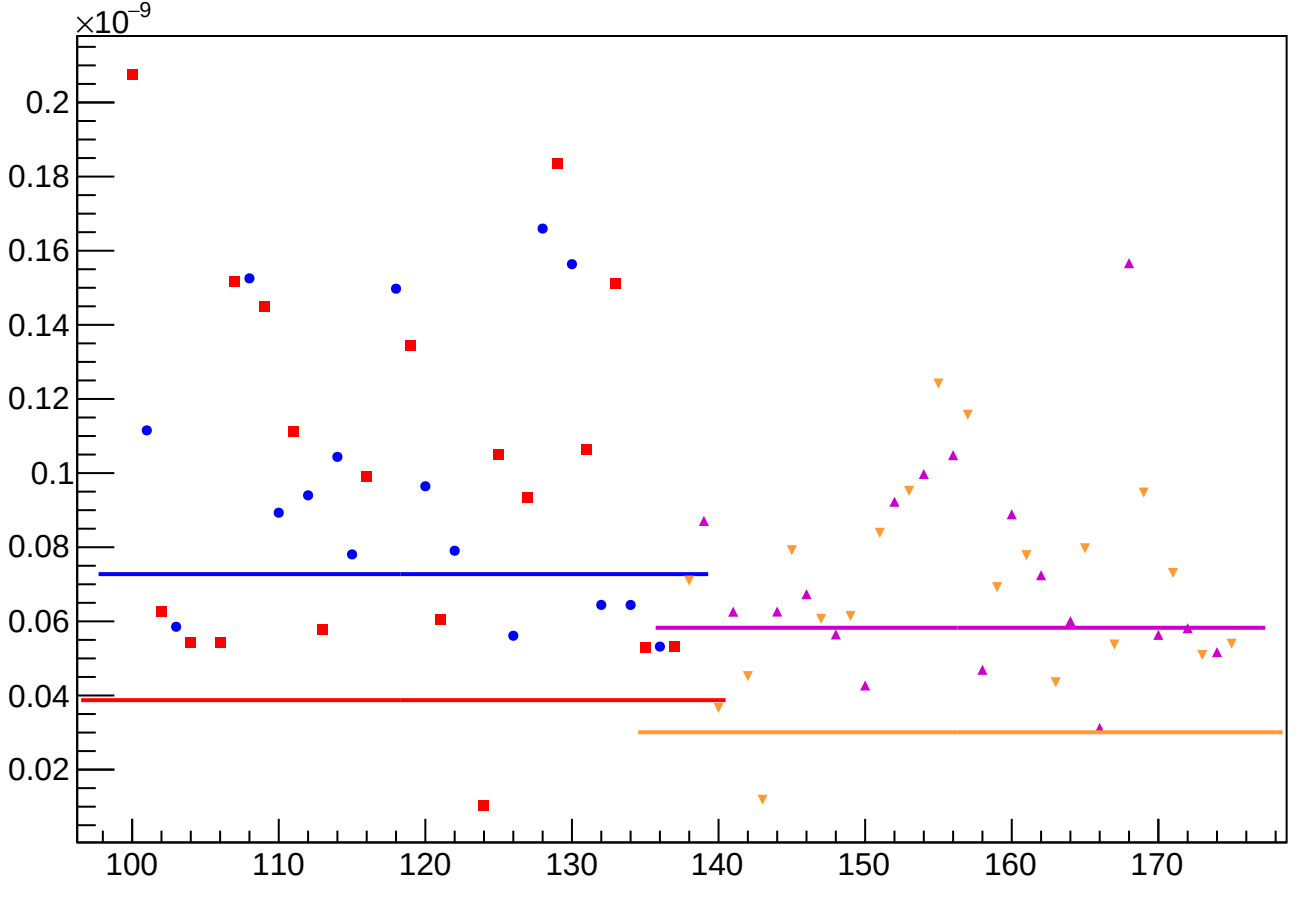
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 189.347+/-0.033 χ^2/NDF:8703437.3/33

Out: 171.064+/-0.031 χ^2/NDF:13010698.1/38

All: 179.682+/-0.022 χ^2/NDF: 21878943.5/72


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:14.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:13.9/17
Left: -0.000+/-0.000 χ²/NDF: 29.5/37
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:26.4/33
Out: -0.000+/-0.000 χ²/NDF:48.7/38
All: -0.000+/-0.000 χ²/NDF: 75.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9329550.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2244028.4/17

Left: 0.000+/-0.000 χ^2/NDF: 14580583.4/37

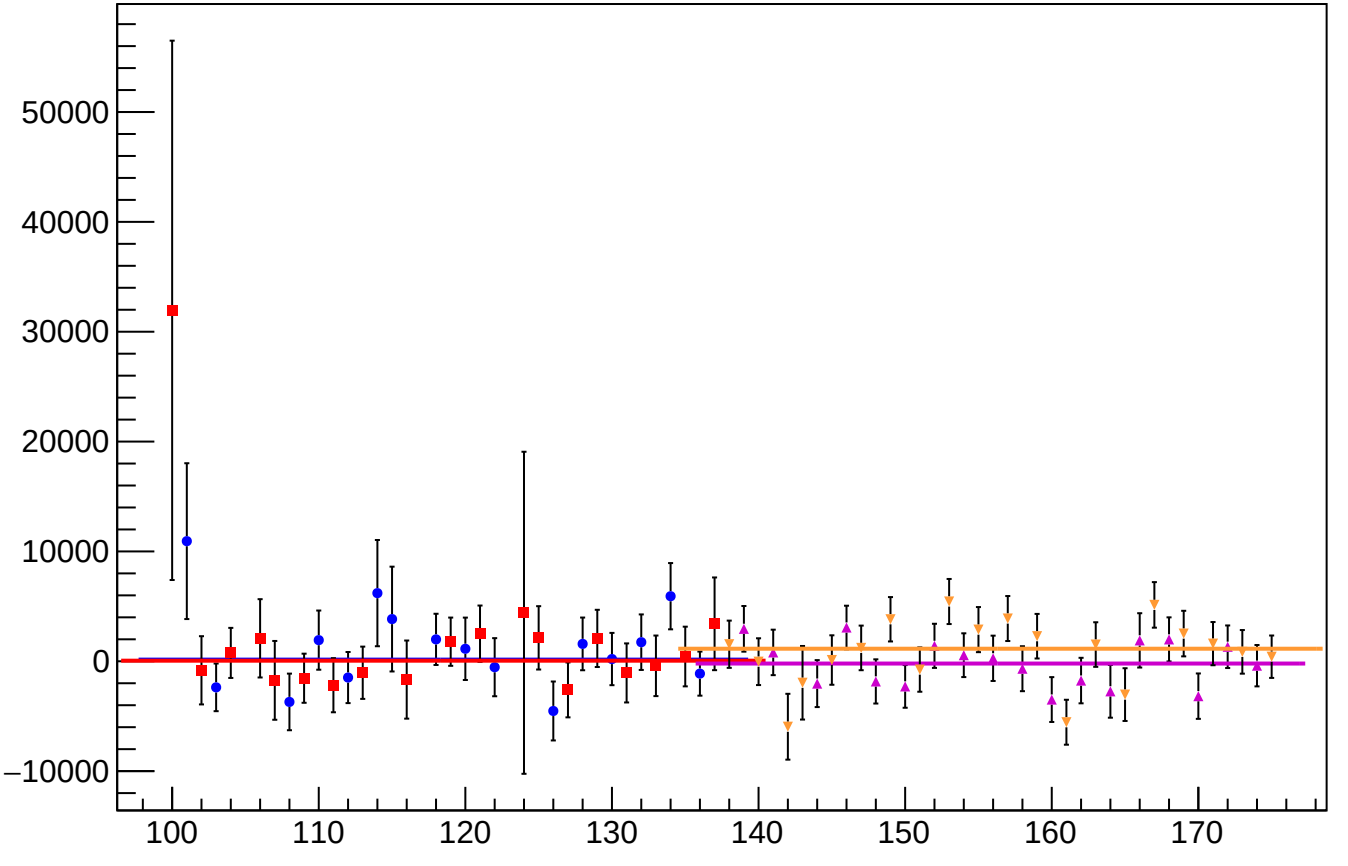
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3609365.4/33

Out: 0.000+/-0.000 χ^2/NDF:13784439.6/38

All: 0.000+/-0.000 χ^2/NDF: 21597711.9/72

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1143.226+/-475.358 χ^2/NDF:35.0/19

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -206.576+/-484.233 χ^2/NDF:17.6/17

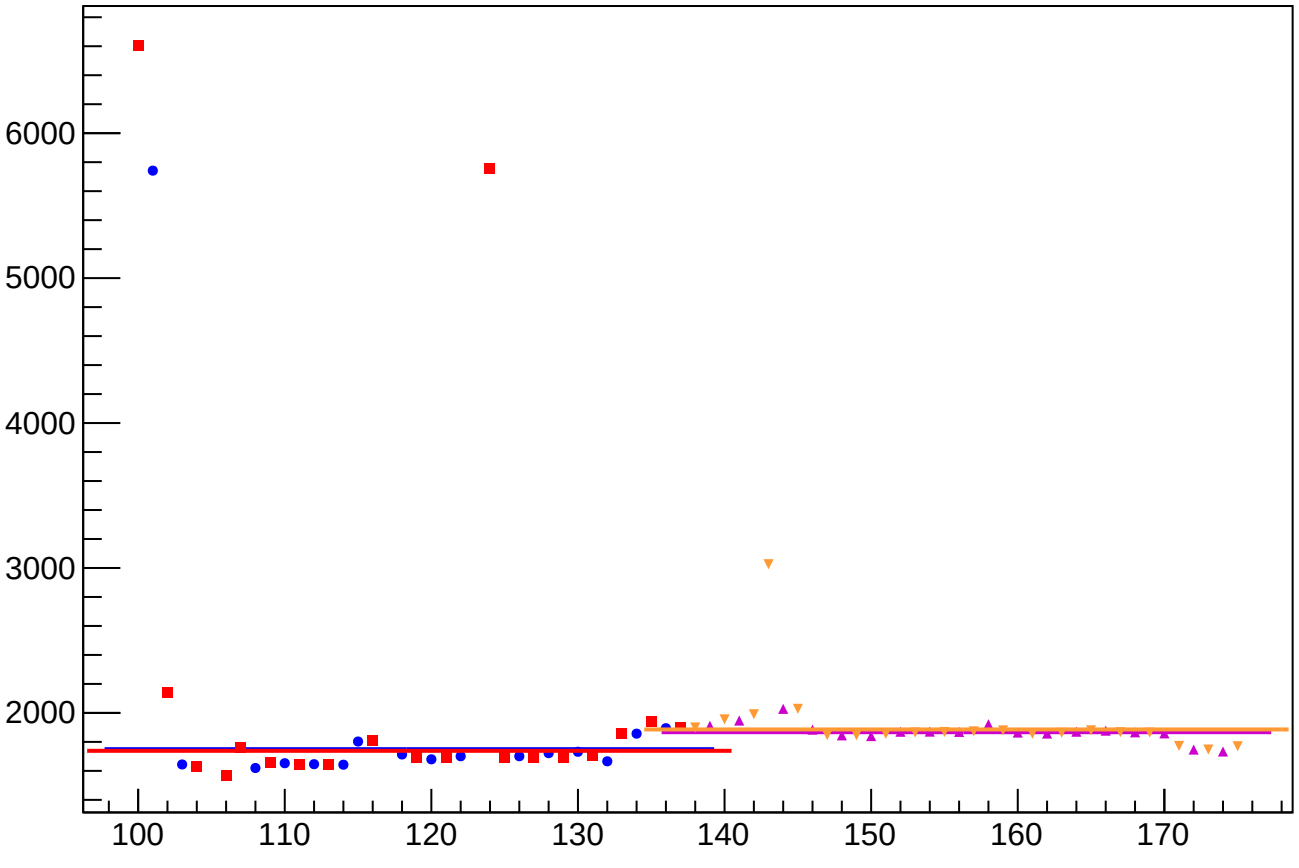
Left: 480.809+/-339.223 χ^2/NDF: 56.6/37

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -83.263+/-391.862 χ^2/NDF:35.4/33

Out: 767.691+/-384.774 χ^2/NDF:45.8/38

All: 349.980+/-274.548 χ^2/NDF: 83.6/72



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

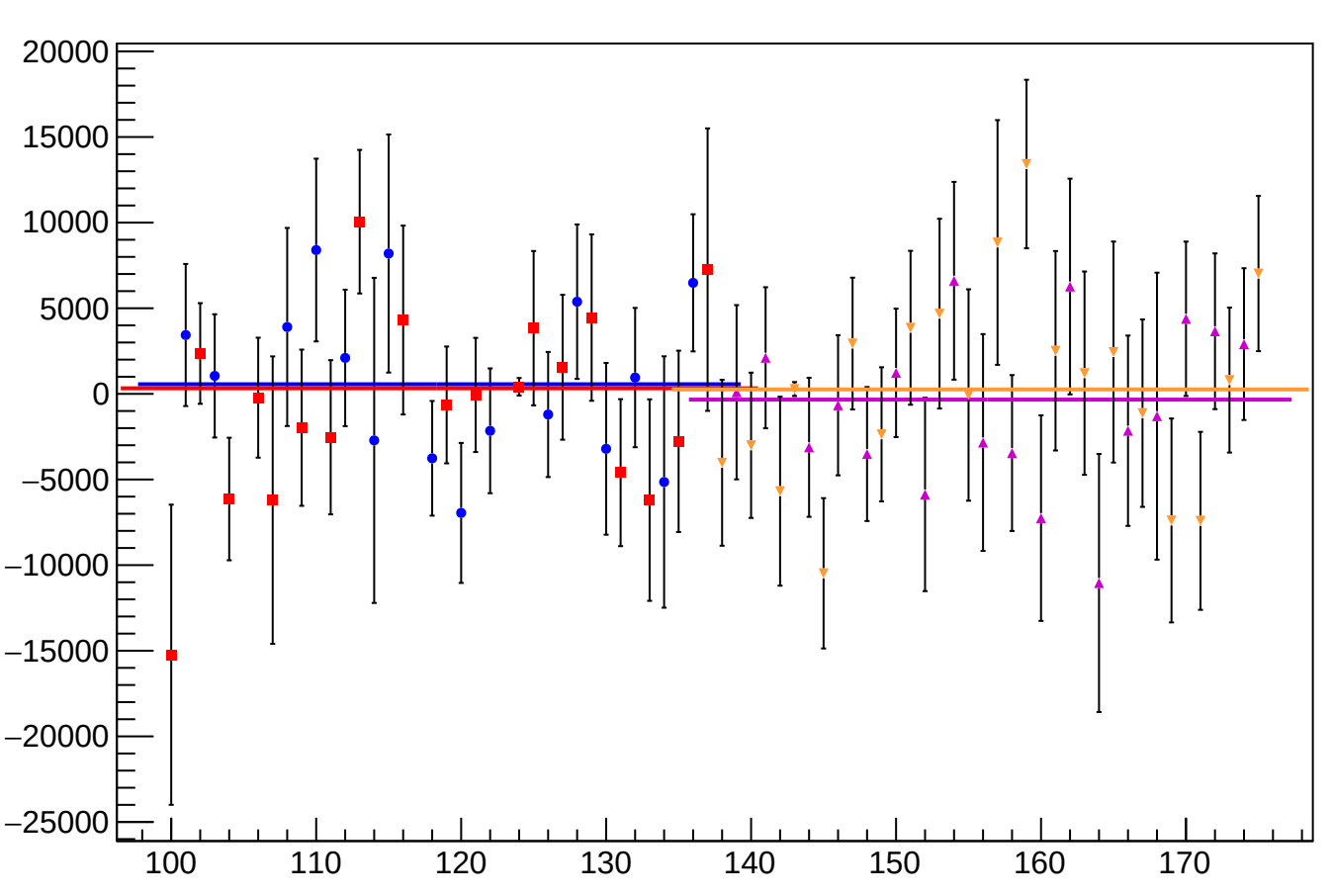
Left: 1876.563+/-0.240 χ^2/NDF: 308421.5/37

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1826.518+/-0.277 χ^2/NDF:745230.5/33

Out: 1834.556+/-0.271 χ^2/NDF:642951.7/38

All: 1830.621+/-0.194 χ^2/NDF: 1388611.8/72



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 260.670+/-385.041 χ^2/NDF:25.8/19

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -334.436+/-1151.189 χ^2/NDF:11.7/17

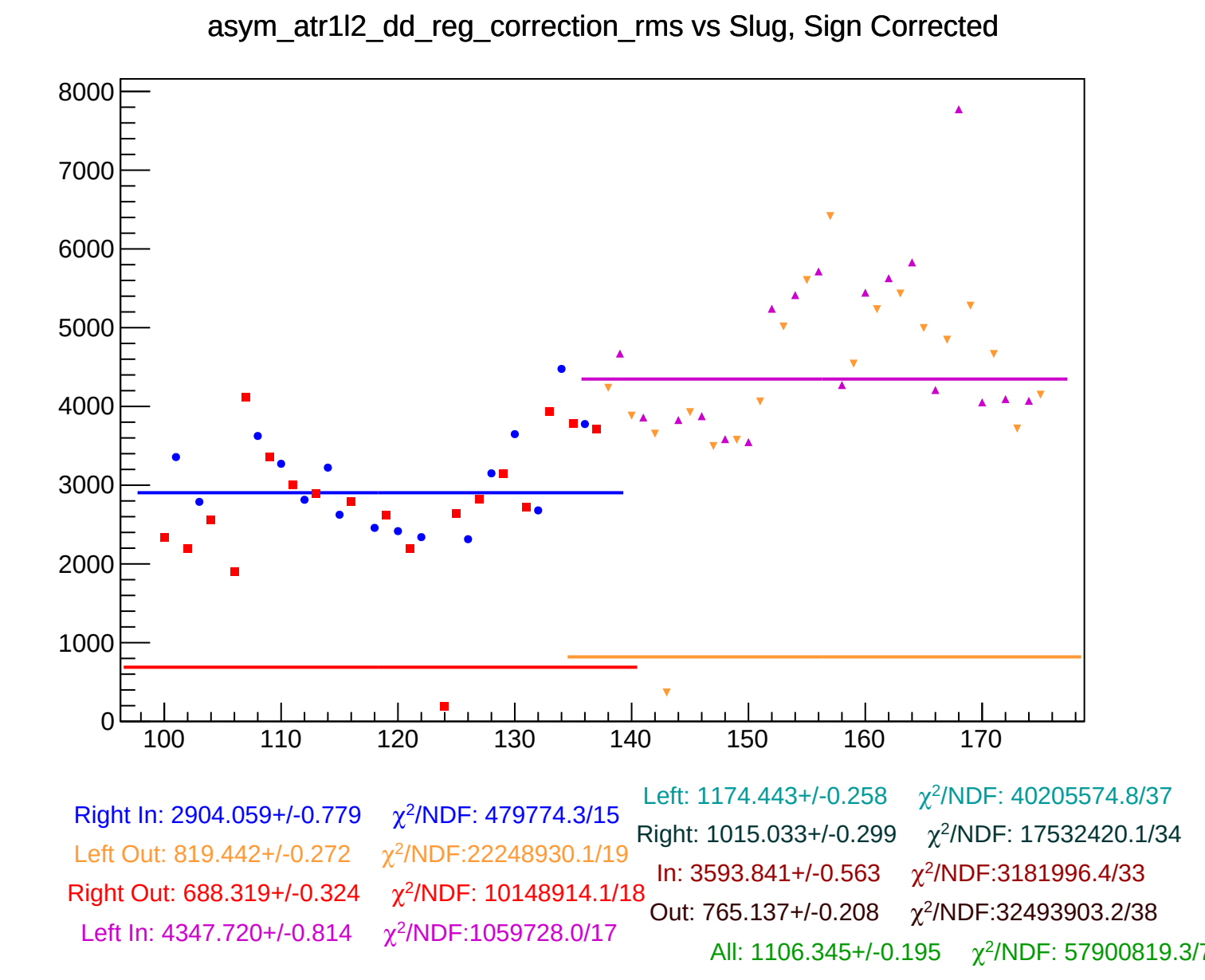
Left: 200.793+/-365.157 χ^2/NDF: 37.7/37

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

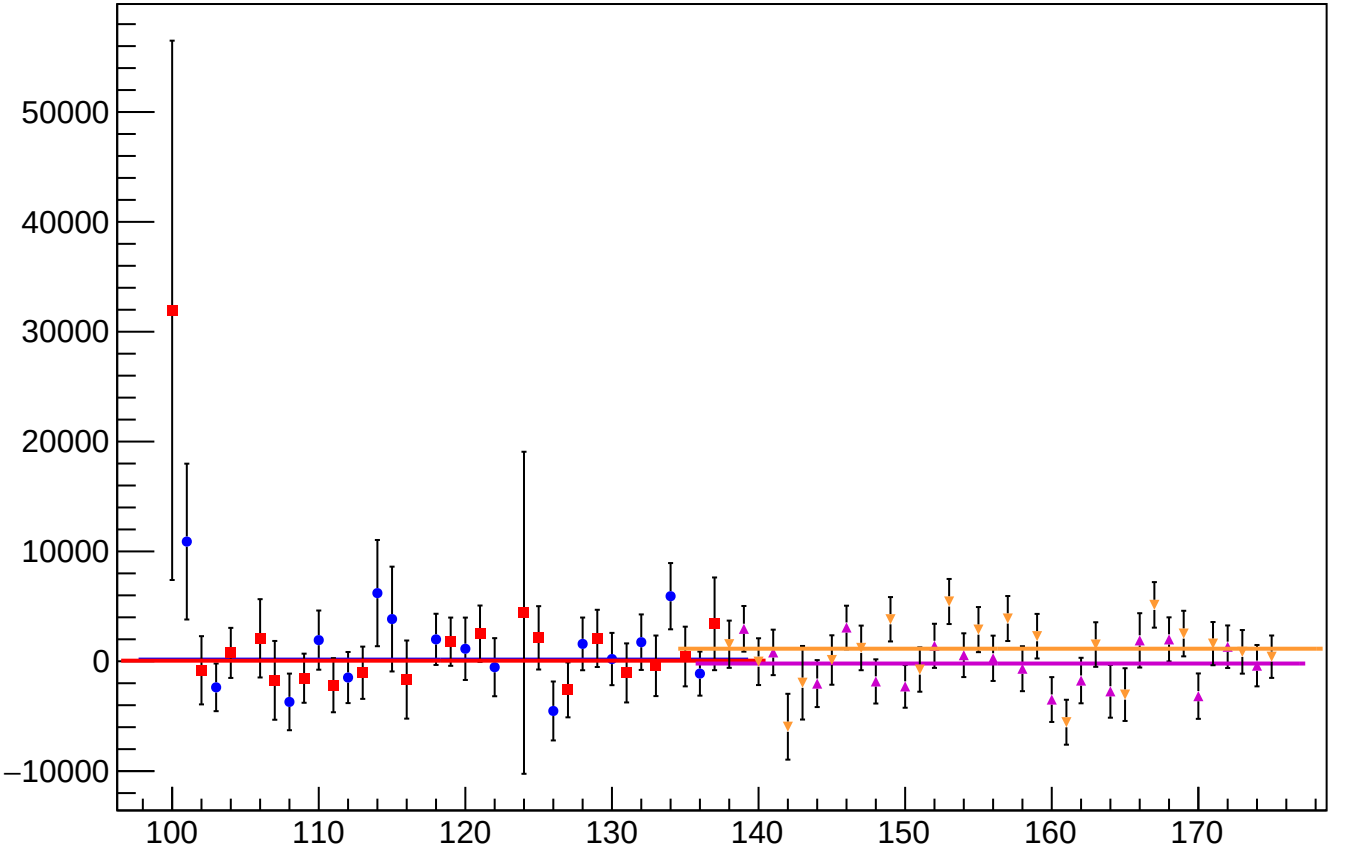
In: 133.860+/-795.738 χ^2/NDF:26.8/33

Out: 287.547+/-294.712 χ^2/NDF:45.0/38

All: 269.009+/-276.367 χ^2/NDF: 71.8/72


asym_atr1l2_dd_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 2904.059+/-0.779 χ²/NDF: 479774.3/15
Left Out: 819.442+/-0.272 χ²/NDF:22248930.1/19
Right Out: 688.319+/-0.324 χ²/NDF: 10148914.1/18
Left In: 4347.720+/-0.814 χ²/NDF:1059728.0/17
Left: 1174.443+/-0.258 χ²/NDF: 40205574.8/37
Right: 1015.033+/-0.299 χ²/NDF: 17532420.1/34
In: 3593.841+/-0.563 χ²/NDF:3181996.4/33
Out: 765.137+/-0.208 χ²/NDF:32493903.2/38
All: 1106.345+/-0.195 χ²/NDF: 57900819.3/7

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -206.569+/-484.233 χ^2/NDF:17.6/17

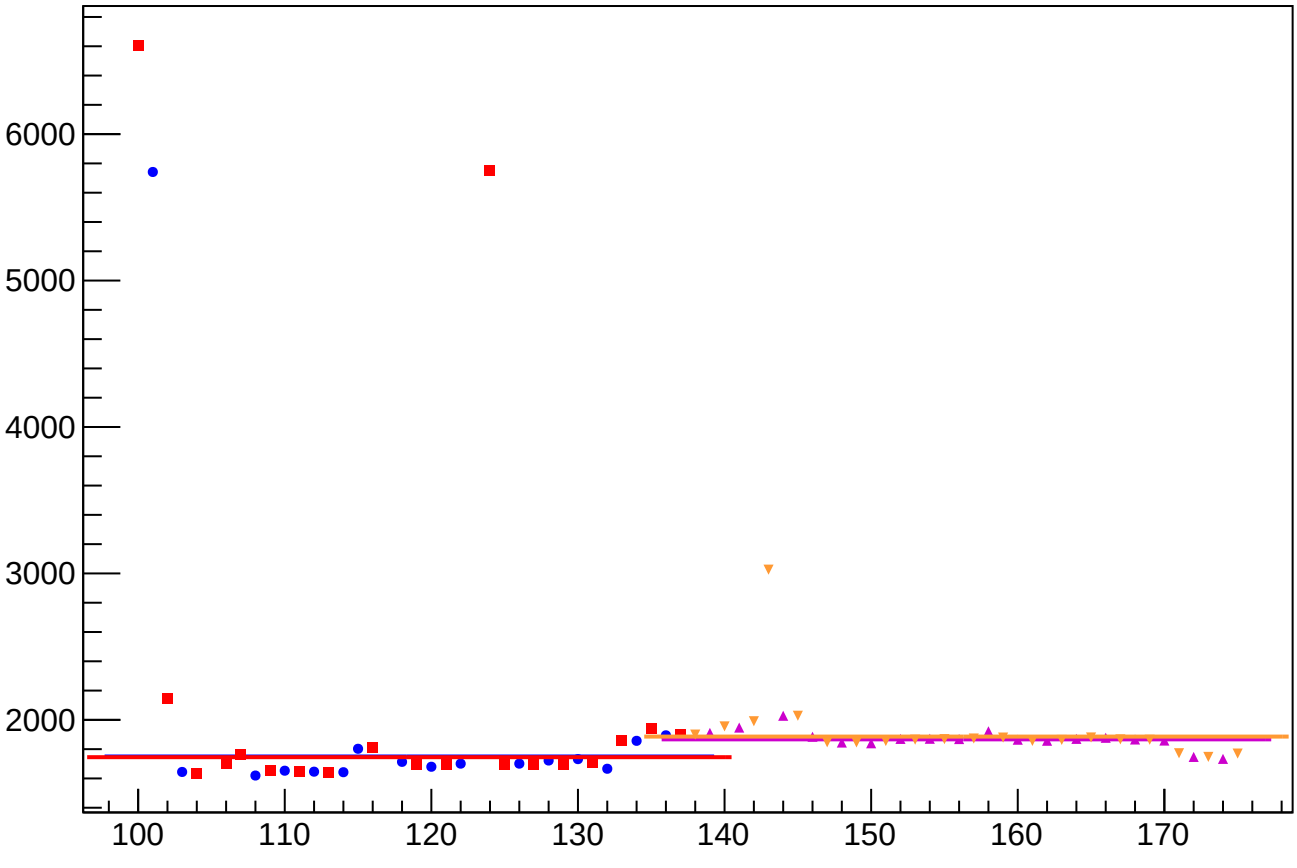
Left: 480.800+/-339.223 χ^2/NDF: 56.6/37

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -83.420+/-391.862 χ^2/NDF:35.4/33

Out: 767.692+/-384.774 χ^2/NDF:45.8/38

All: 349.904+/-274.548 χ^2/NDF: 83.6/72



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

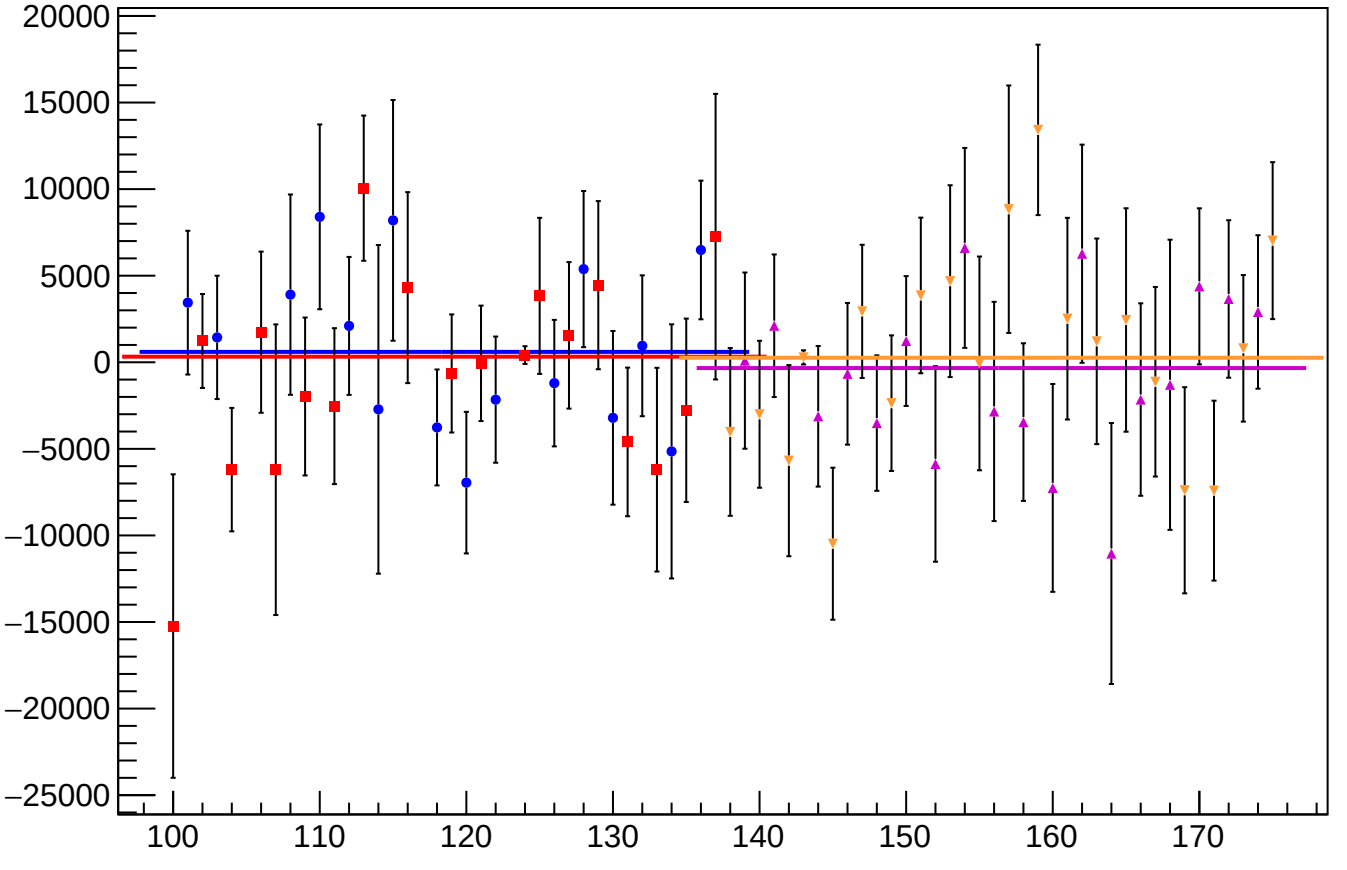
Left: 1876.563+/-0.240 χ^2/NDF: 308421.5/37

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1826.518+/-0.277 χ^2/NDF:745230.9/33

Out: 1837.118+/-0.272 χ^2/NDF:630208.1/38

All: 1831.921+/-0.194 χ^2/NDF: 1376185.0/72



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -334.470+/-1151.187 χ^2/NDF:11.7/17

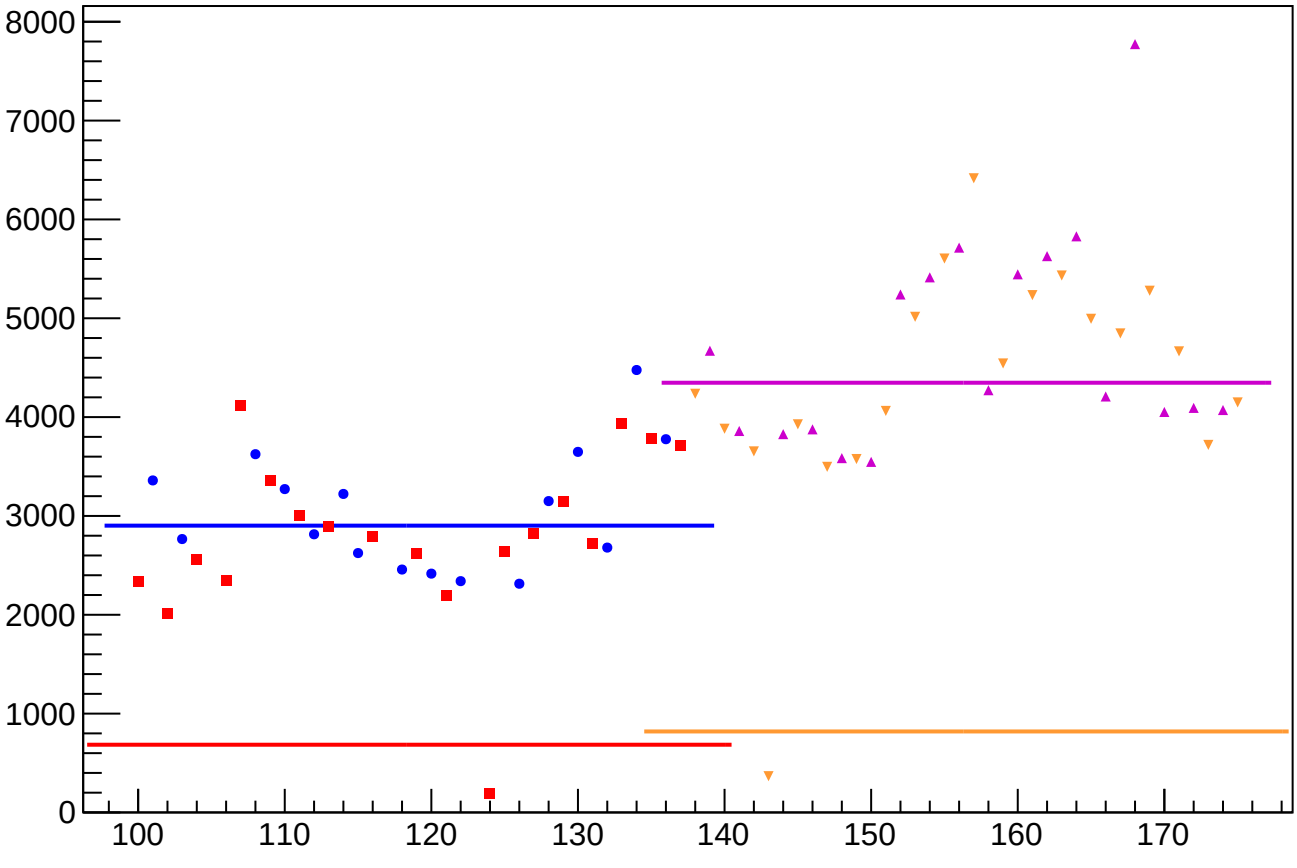
Left: 201.611+/-365.183 χ^2/NDF: 37.7/37

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 154.054+/-795.345 χ^2/NDF:26.9/33

Out: 287.036+/-294.969 χ^2/NDF:44.8/38

All: 270.957+/-276.562 χ^2/NDF: 71.7/72



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

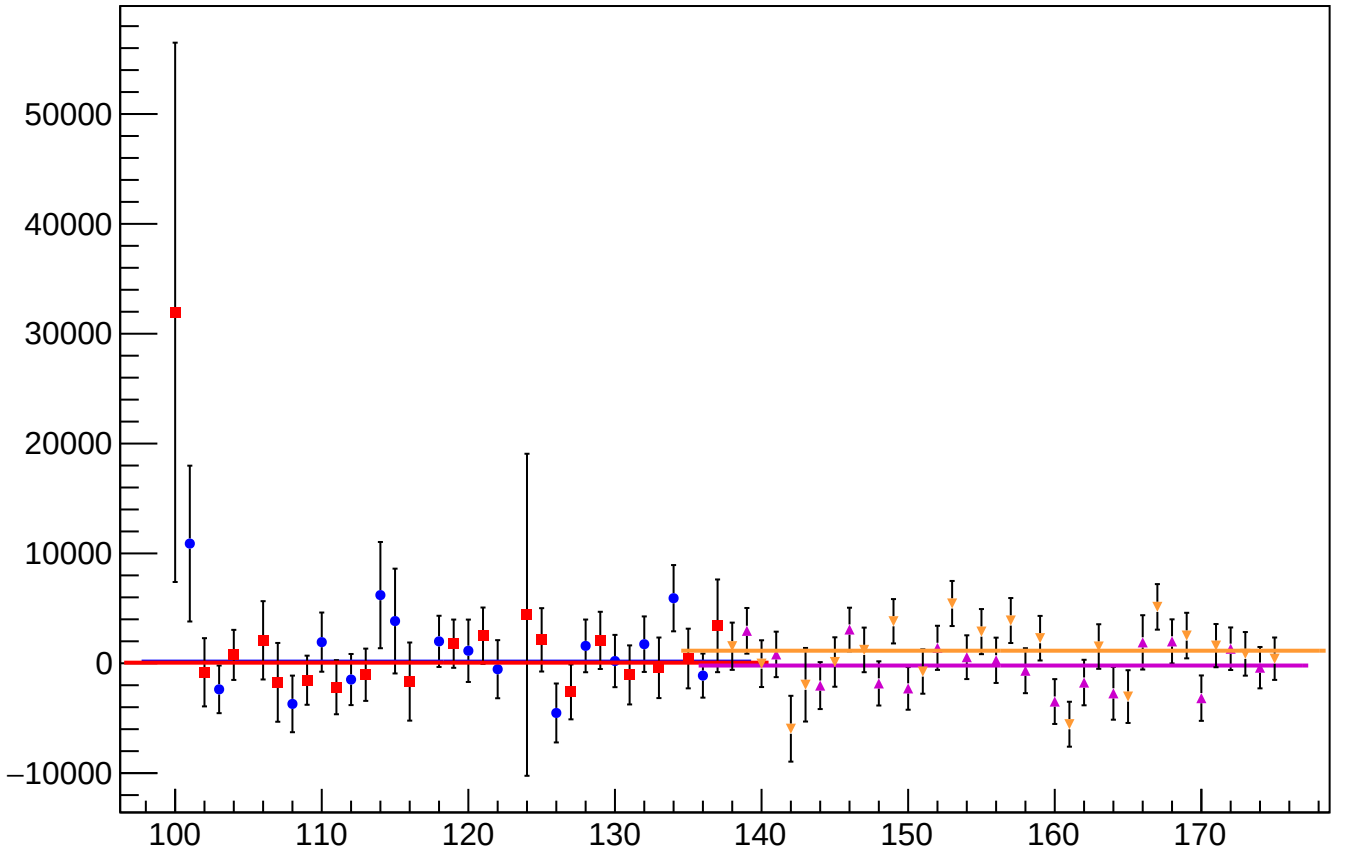
Left: 1174.590+/-0.258 χ^2/NDF: 40203386.8/37

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3592.010+/-0.562 χ^2/NDF:3189643.4/33

Out: 764.056+/-0.209 χ^2/NDF:32454369.8/38

All: 1105.993+/-0.196 χ^2/NDF: 57871741.1/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -206.569+/-484.233 χ^2/NDF:17.6/17

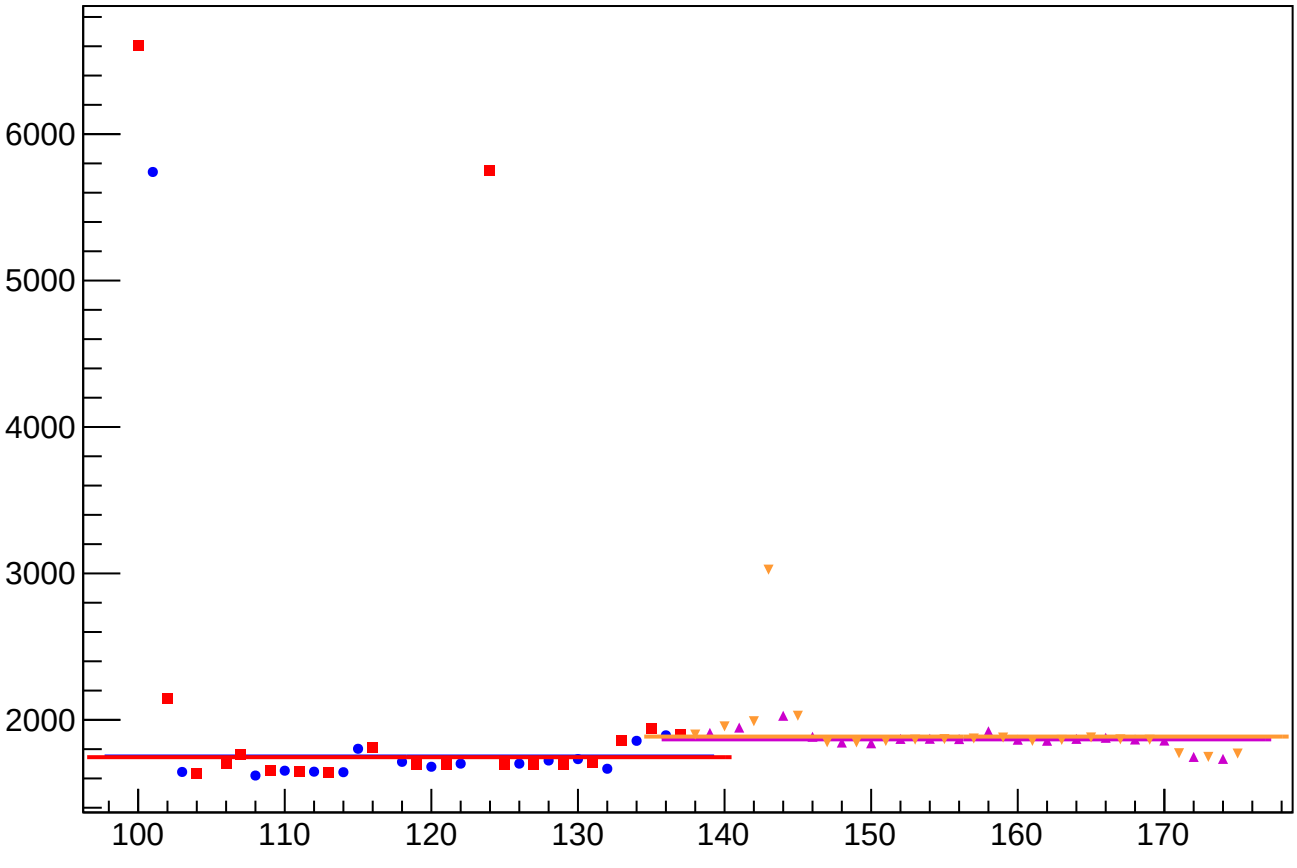
Left: 480.800+/-339.223 χ^2/NDF: 56.6/37

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -83.420+/-391.862 χ^2/NDF:35.4/33

Out: 767.692+/-384.774 χ^2/NDF:45.8/38

All: 349.904+/-274.548 χ^2/NDF: 83.6/72



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

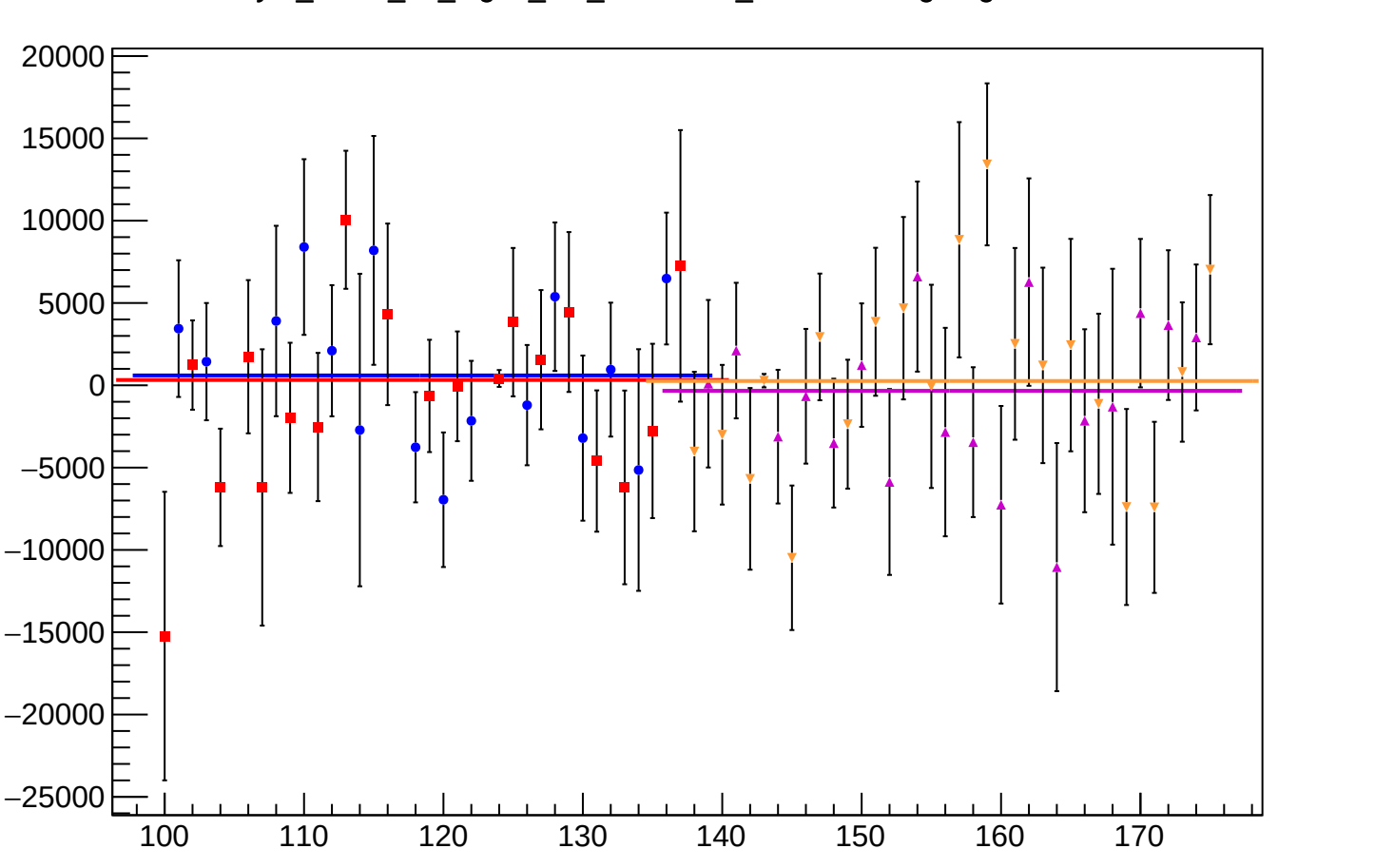
Left: 1876.563+/-0.240 χ^2/NDF: 308421.5/37

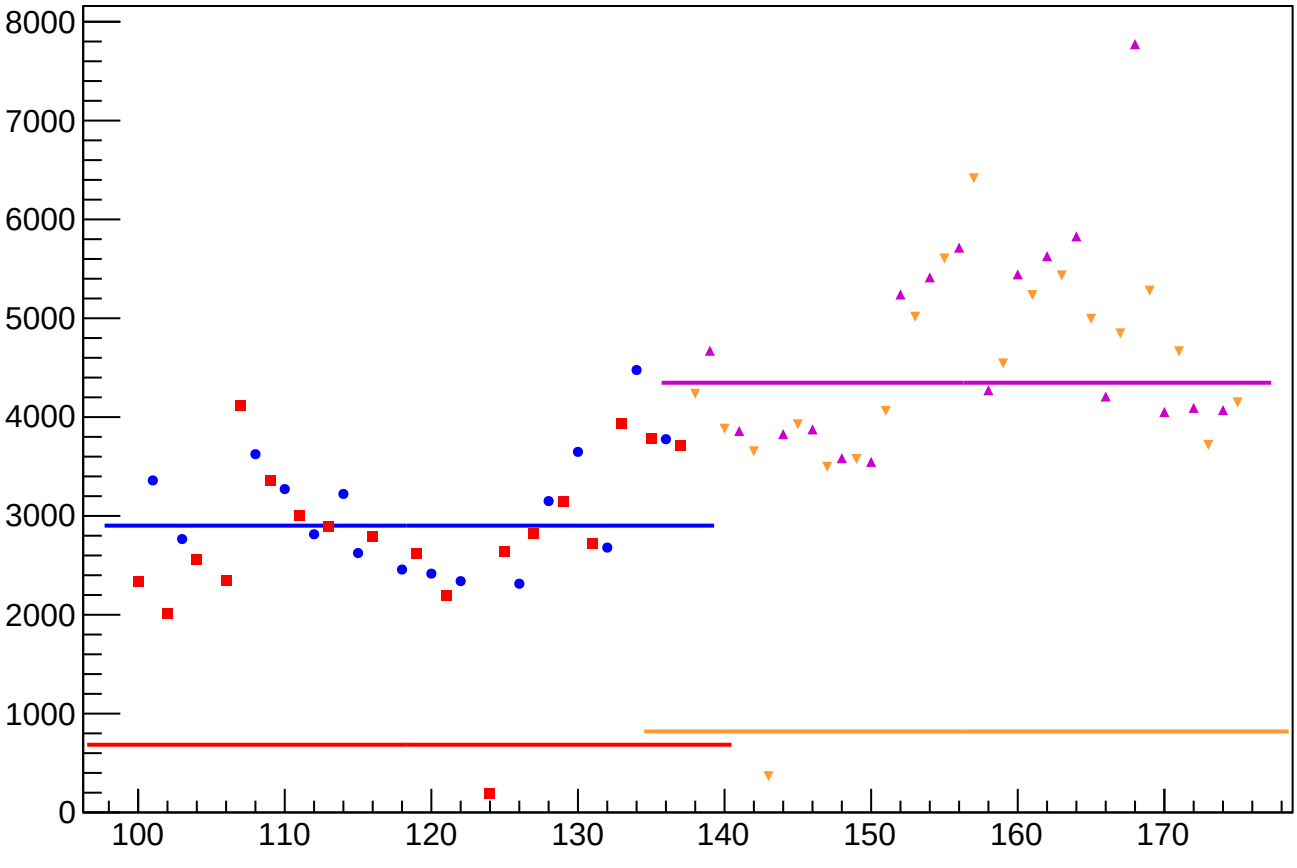
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1826.518+/-0.277 χ^2/NDF:745230.9/33

Out: 1837.118+/-0.272 χ^2/NDF:630208.1/38

All: 1831.921+/-0.194 χ^2/NDF: 1376185.0/72


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 600.202+/-1100.125 χ²/NDF: 14.9/15
Left Out: 261.593+/-385.071 χ²/NDF:25.8/19
Right Out: 323.164+/-458.862 χ²/NDF: 19.0/18
Left In: -334.470+/-1151.187 χ²/NDF:11.7/17
Left: 201.611+/-365.183 χ²/NDF: 37.7/37
Right: 364.218+/-423.500 χ²/NDF: 33.9/34
In: 154.054+/-795.345 χ²/NDF:26.9/33
Out: 287.036+/-294.969 χ²/NDF:44.8/38
All: 270.957+/-276.562 χ²/NDF: 71.7/72



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

Left: 1174.590+/-0.258 χ^2/NDF: 40203386.8/37

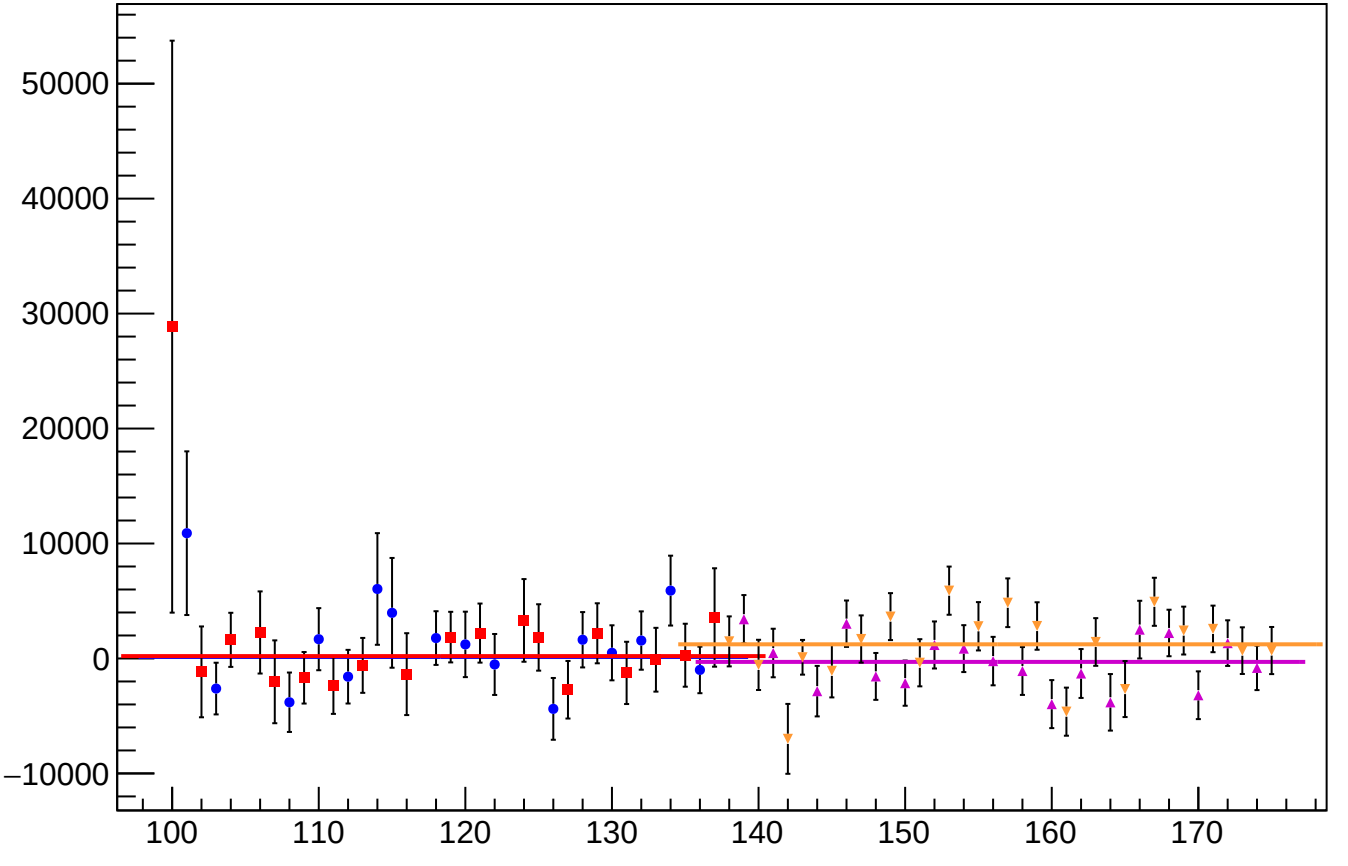
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3592.010+/-0.562 χ^2/NDF:3189643.4/33

Out: 764.056+/-0.209 χ^2/NDF:32454369.8/38

All: 1105.993+/-0.196 χ^2/NDF: 57871741.1/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.218+/-466.516 χ^2/NDF:35.1/19

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -298.014+/-493.282 χ^2/NDF:20.4/17

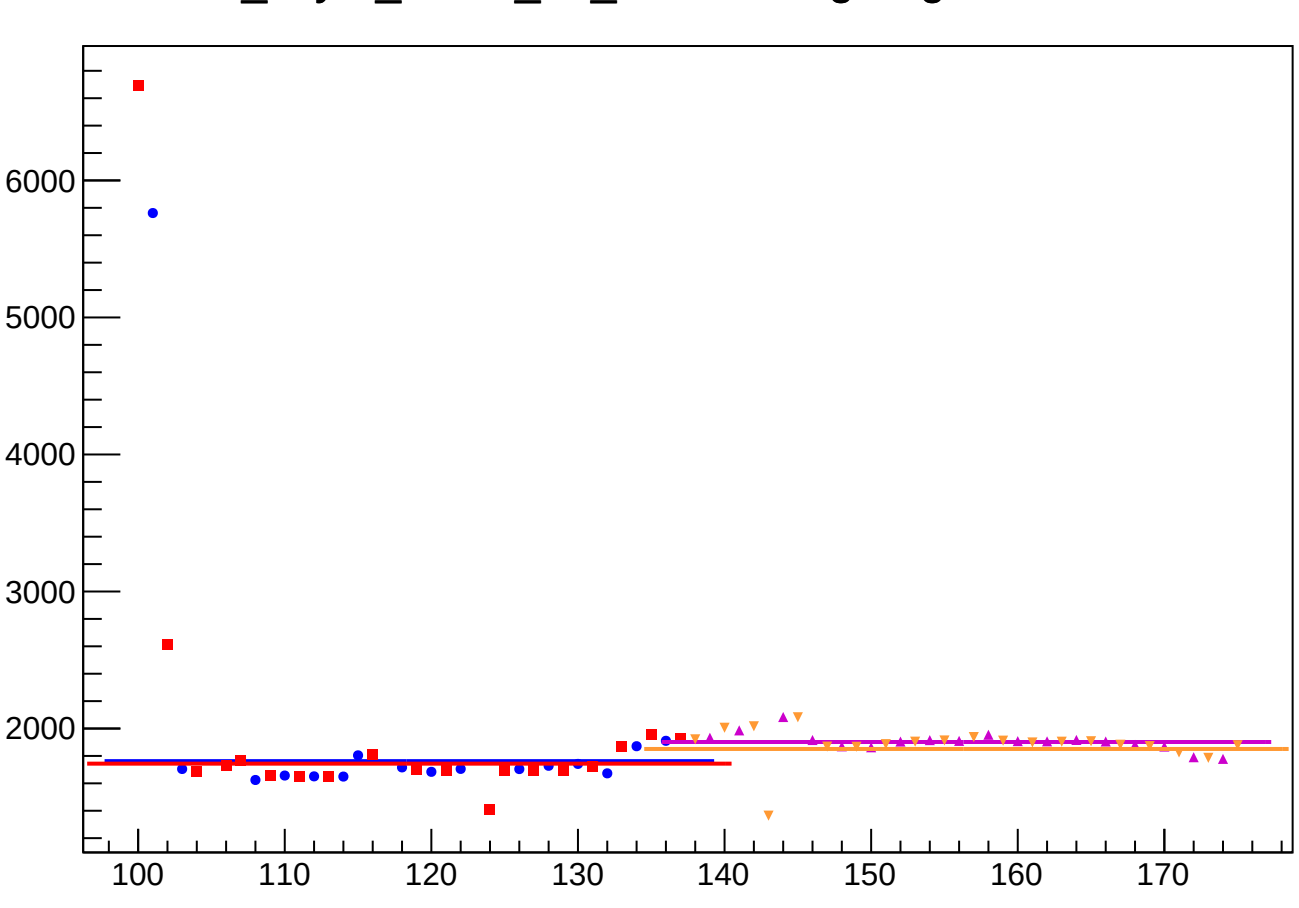
Left: 509.743+/-338.944 χ^2/NDF: 60.6/37

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -146.688+/-397.570 χ^2/NDF:38.0/33

Out: 886.257+/-379.879 χ^2/NDF:46.4/38

All: 393.278+/-274.656 χ^2/NDF: 87.9/72



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.889+/-0.330 χ^2/NDF:261510.6/19

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.729+/-0.349 χ^2/NDF:35410.3/17

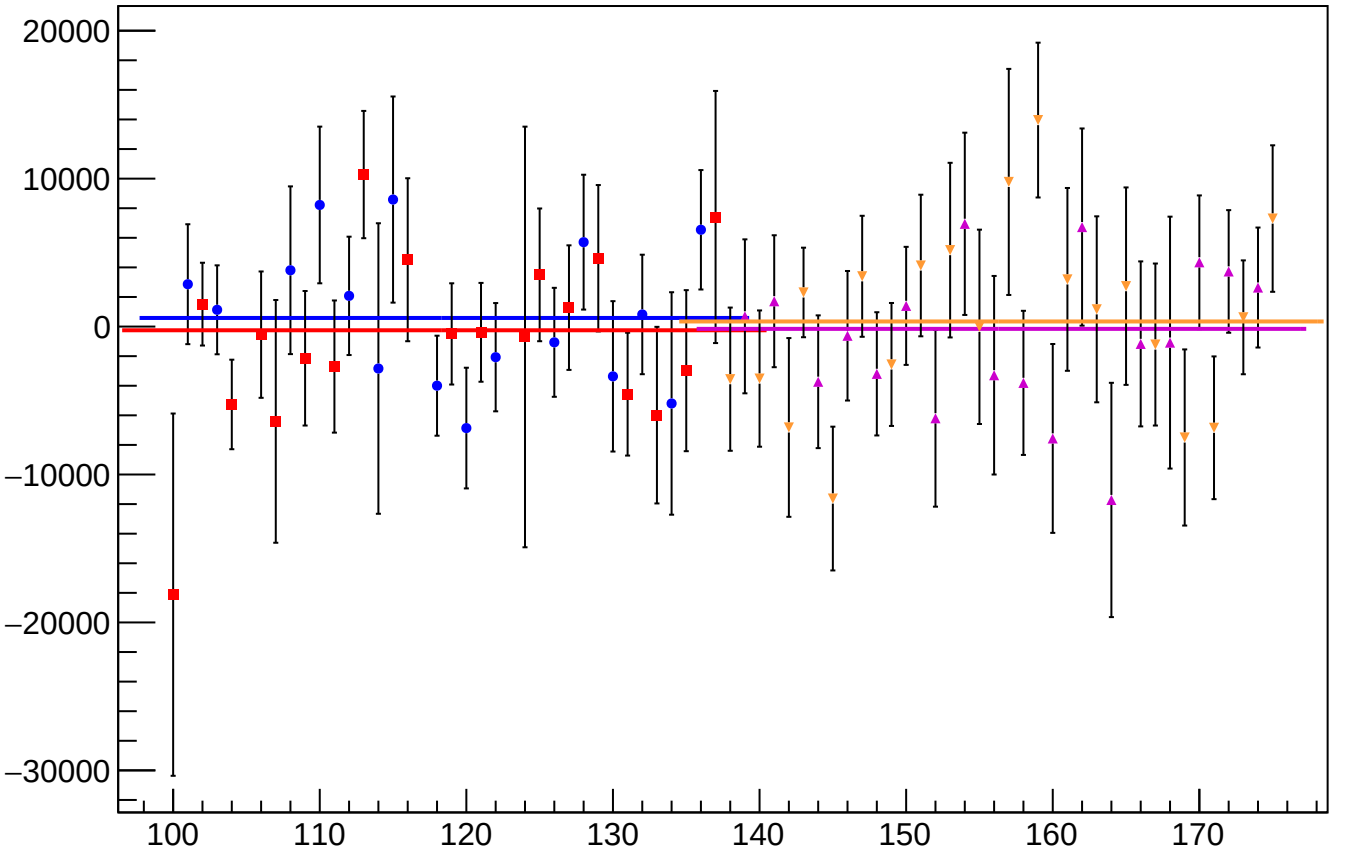
Left: 1874.893+/-0.240 χ^2/NDF: 308135.1/37

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1852.784+/-0.281 χ^2/NDF:759298.5/33

Out: 1814.643+/-0.268 χ^2/NDF:524968.4/38

All: 1832.828+/-0.194 χ^2/NDF: 1293898.1/72



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 345.320+/-1102.746 χ^2/NDF:26.3/19

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -155.442+/-1190.904 χ^2/NDF:11.6/17

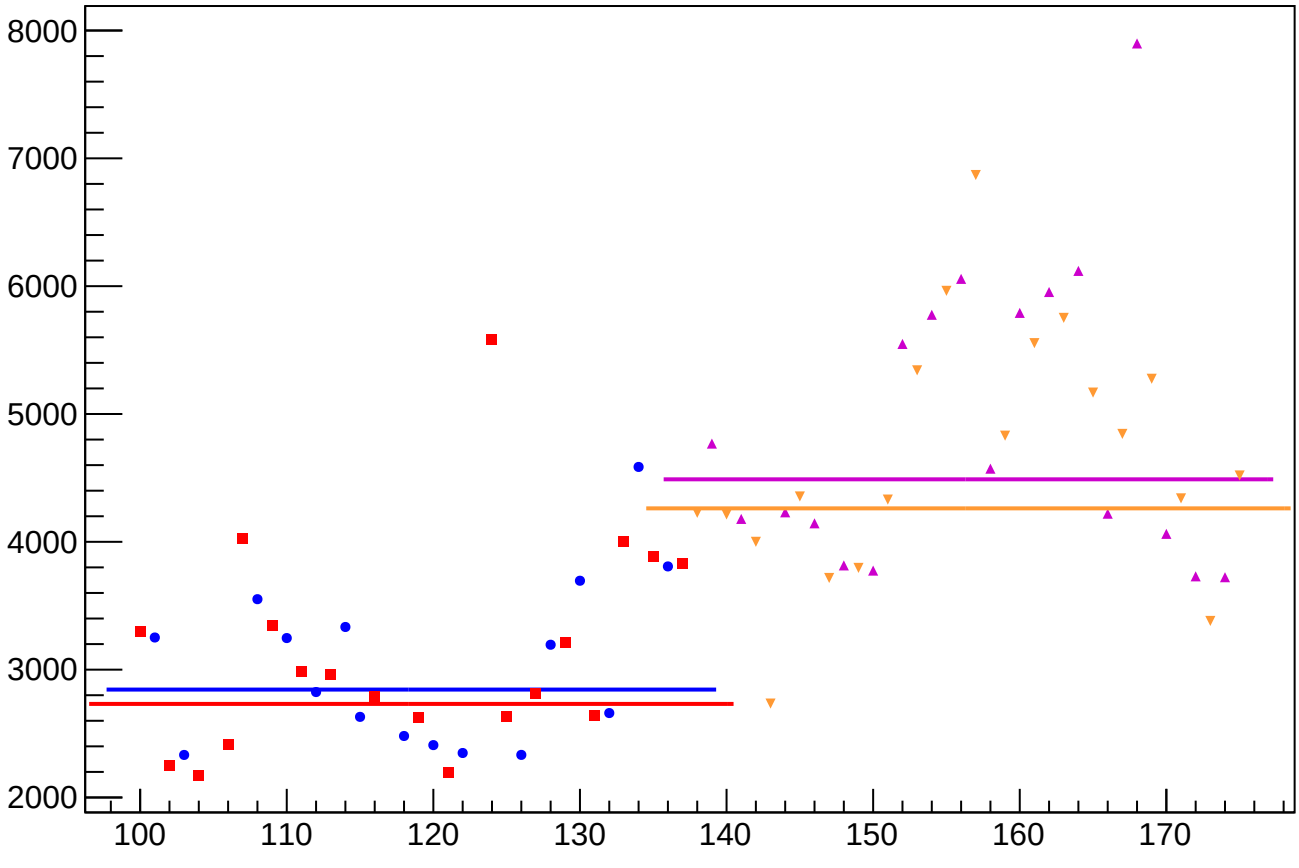
Left: 114.158+/-809.132 χ^2/NDF: 37.9/37

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 248.830+/-800.619 χ^2/NDF:26.7/33

Out: 24.662+/-749.195 χ^2/NDF:44.3/38

All: 129.316+/-547.038 χ^2/NDF: 71.0/72



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4261.780+/-0.780 χ^2/NDF:1460633.4/19

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4488.918+/-0.842 χ^2/NDF:1156925.9/17

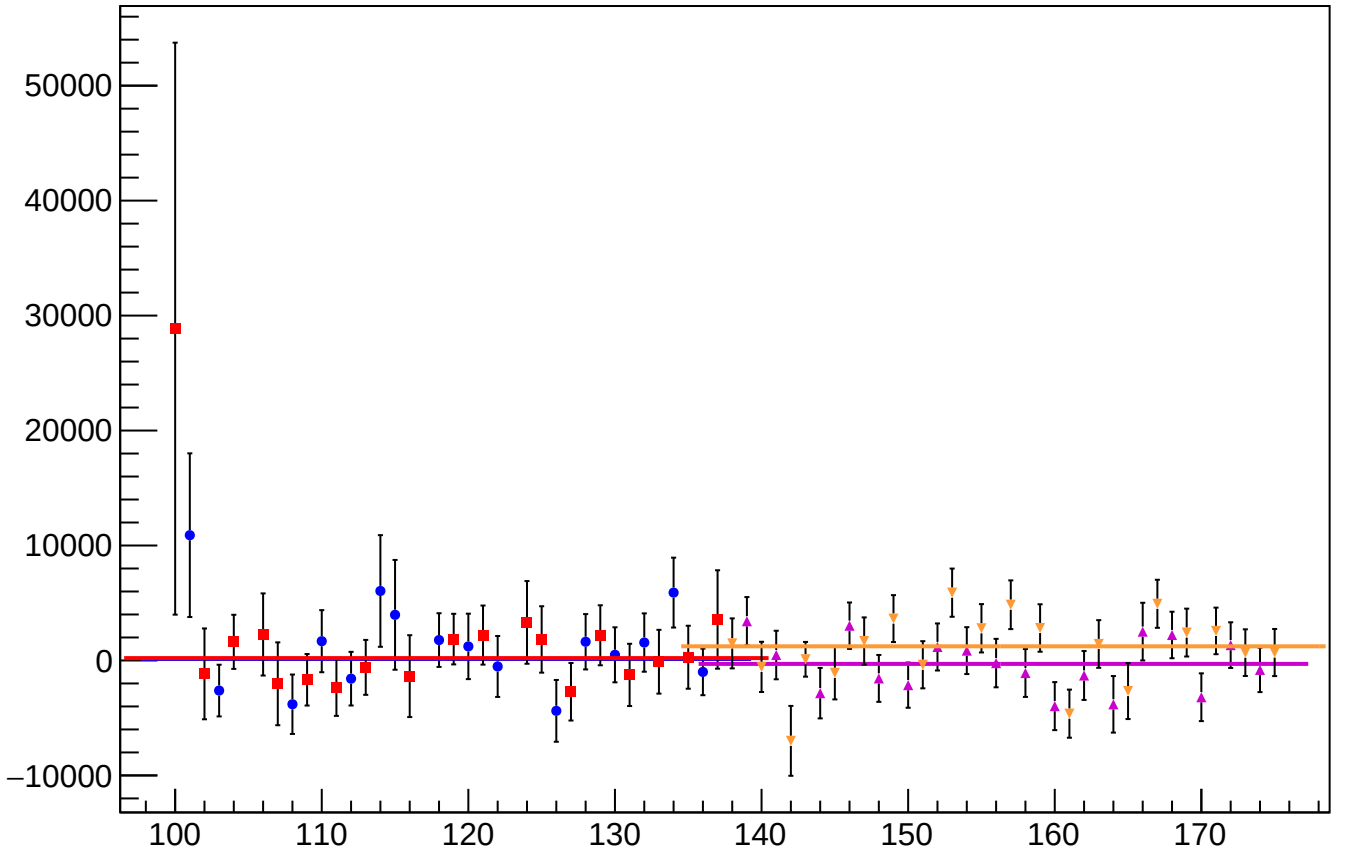
Left: 4366.631+/-0.572 χ^2/NDF: 2656728.4/37

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3587.518+/-0.566 χ^2/NDF:3789689.5/33

Out: 3438.091+/-0.530 χ^2/NDF:4144327.4/38

All: 3507.852+/-0.387 χ^2/NDF: 7971160.2/72



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.219+/-466.516 χ^2/NDF:35.1/19

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -298.015+/-493.282 χ^2/NDF:20.4/17

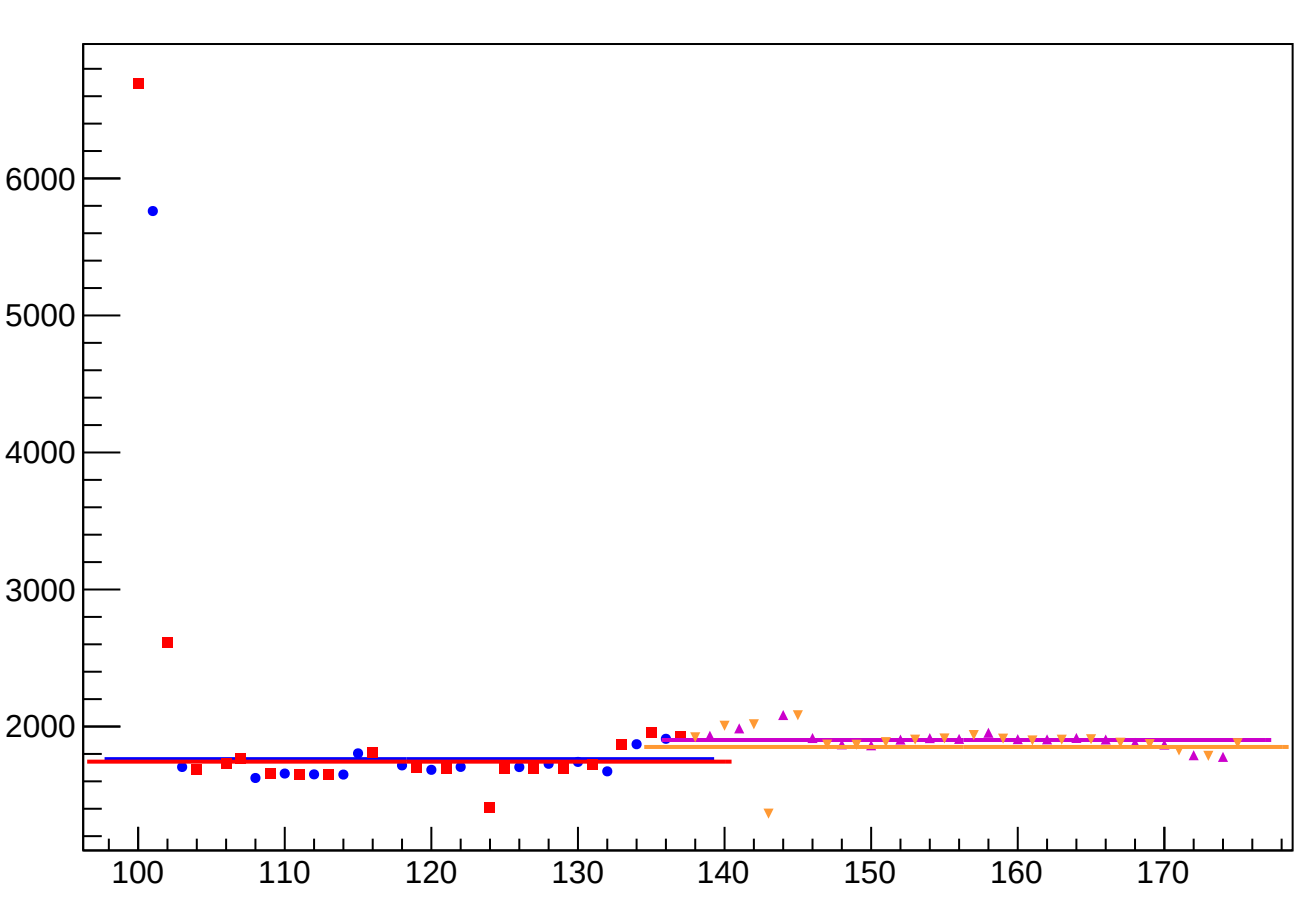
Left: 509.743+/-338.944 χ^2/NDF: 60.6/37

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -146.689+/-397.570 χ^2/NDF:38.0/33

Out: 886.257+/-379.879 χ^2/NDF:46.4/38

All: 393.278+/-274.656 χ^2/NDF: 87.9/72



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.890+/-0.330 χ^2/NDF:261512.2/19

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.730+/-0.349 χ^2/NDF:35411.4/17

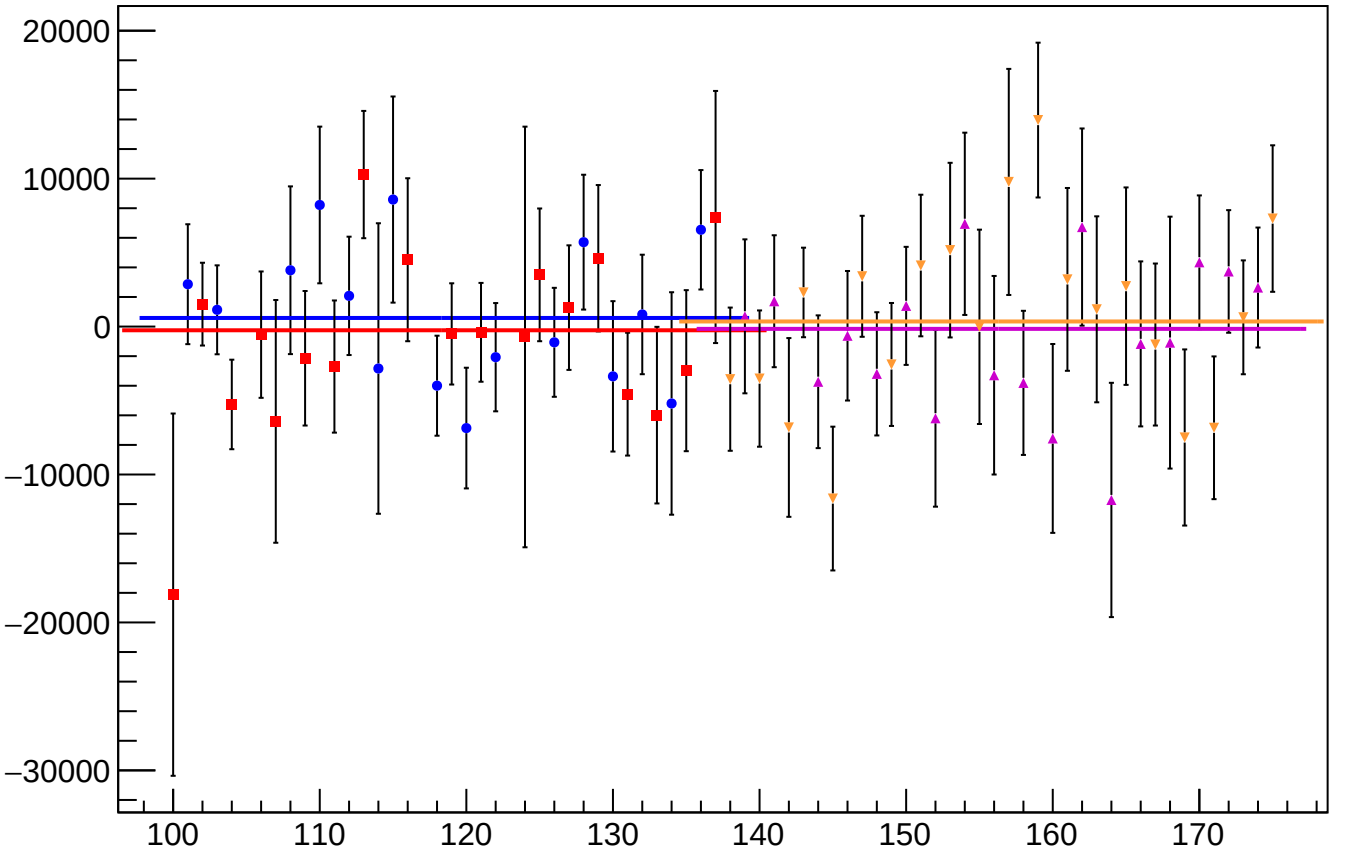
Left: 1874.893+/-0.240 χ^2/NDF: 308138.0/37

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1852.785+/-0.281 χ^2/NDF:759300.0/33

Out: 1814.643+/-0.268 χ^2/NDF:524970.3/38

All: 1832.828+/-0.194 χ^2/NDF: 1293901.6/72



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 345.324+/-1102.748 χ^2/NDF:26.3/19

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -155.442+/-1190.906 χ^2/NDF:11.6/17

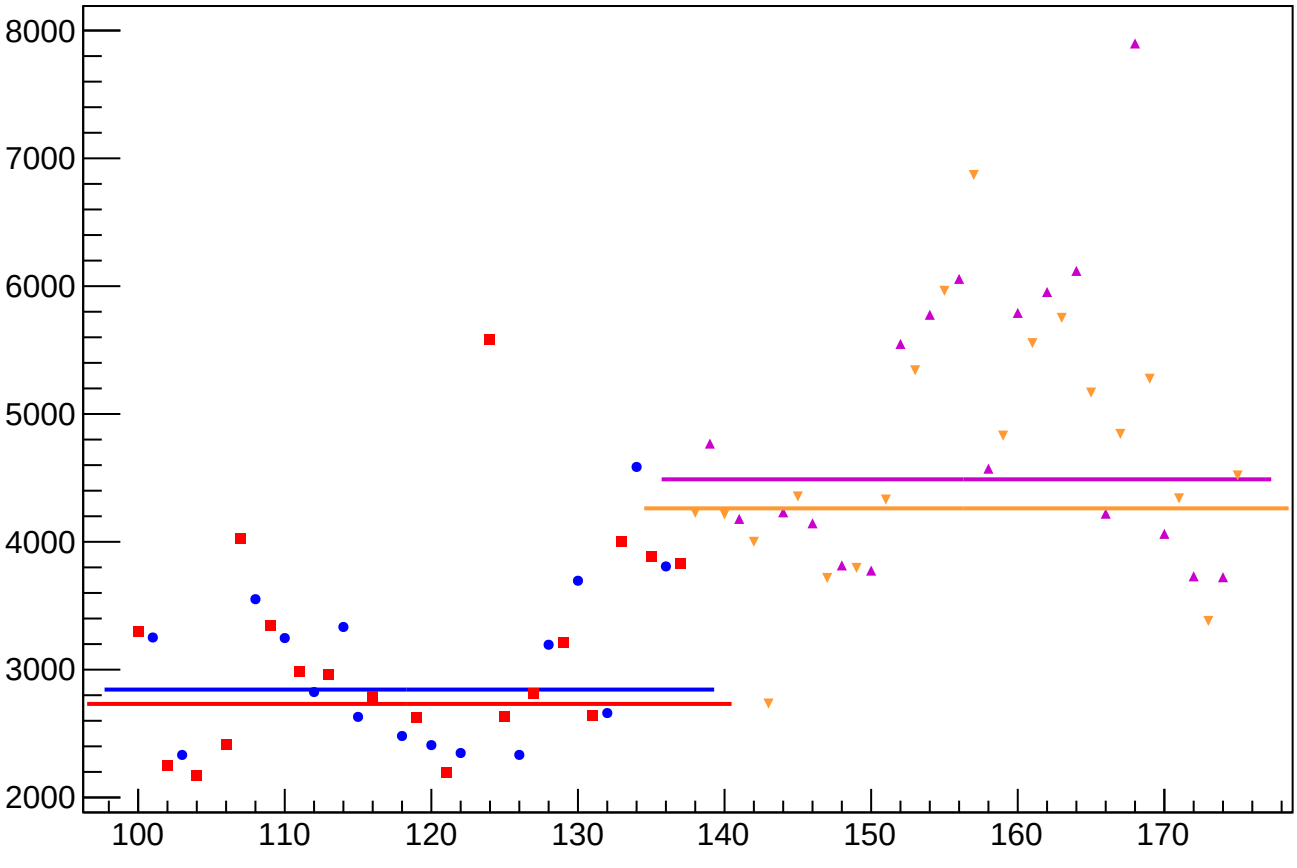
Left: 114.159+/-809.134 χ^2/NDF: 37.9/37

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 248.828+/-800.618 χ^2/NDF:26.7/33

Out: 24.662+/-749.195 χ^2/NDF:44.3/38

All: 129.315+/-547.037 χ^2/NDF: 71.0/72



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4261.787+/-0.780 χ^2/NDF:1460636.8/19

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4488.925+/-0.842 χ^2/NDF:1156925.3/17

Left: 4366.639+/-0.572 χ^2/NDF: 2656731.3/37

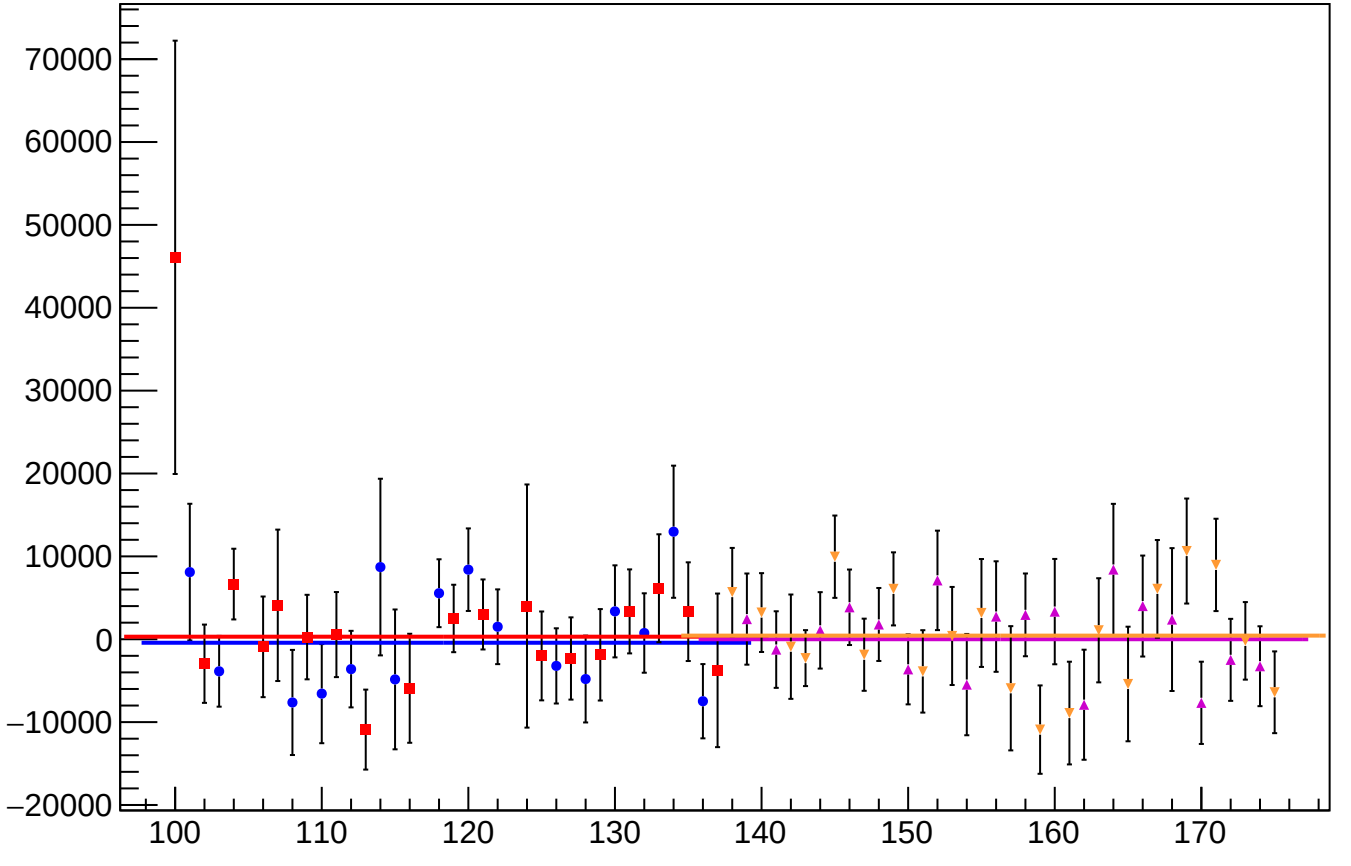
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3587.513+/-0.566 χ^2/NDF:3789732.5/33

Out: 3438.088+/-0.530 χ^2/NDF:4144362.1/38

All: 3507.848+/-0.387 χ^2/NDF: 7971237.2/72

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 437.481+/-1172.274 χ^2/NDF:24.6/19

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1.704+/-1261.887 χ^2/NDF:11.1/17

Left: 235.614+/-858.857 χ^2/NDF: 35.7/37

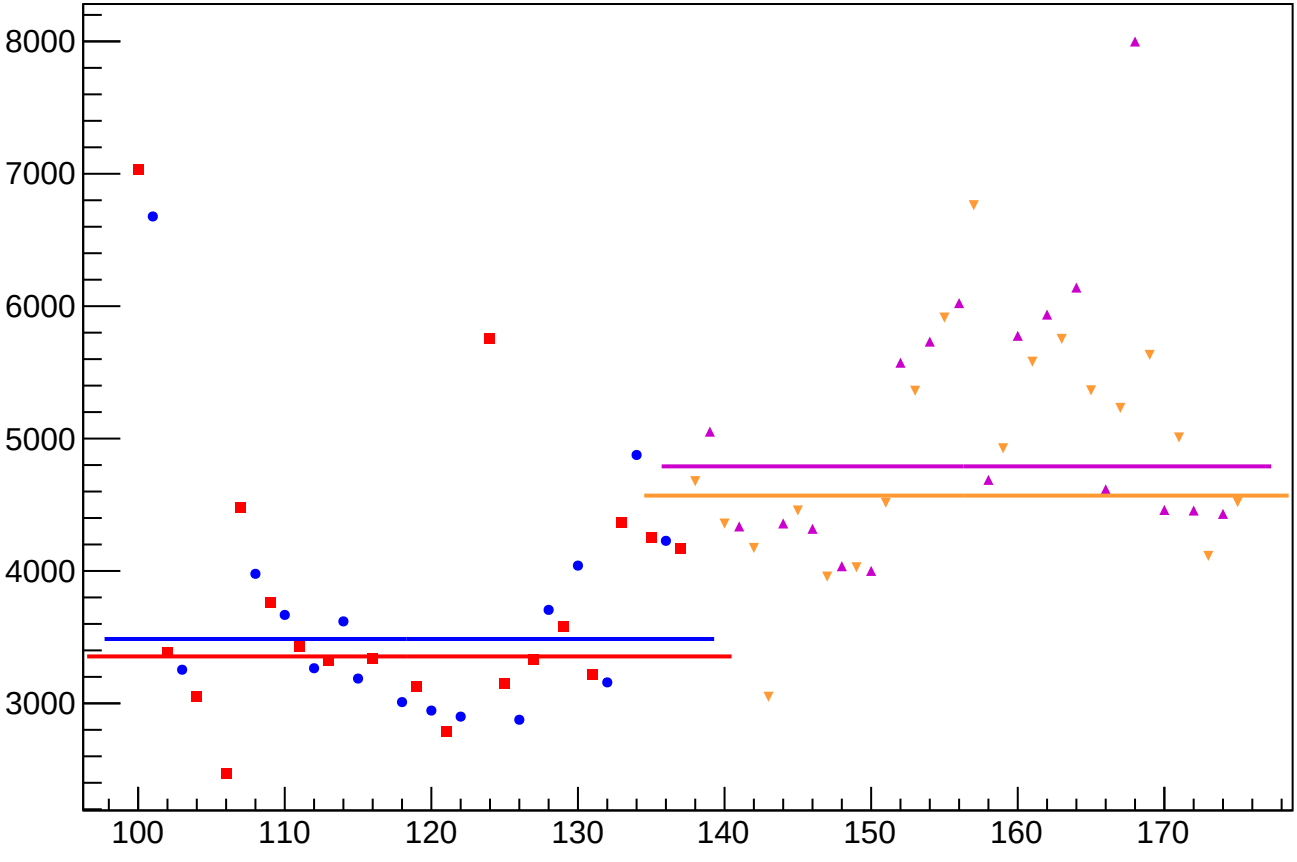
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -199.994+/-914.526 χ^2/NDF:29.0/33

Out: 378.121+/-863.180 χ^2/NDF:39.8/38

All: 105.748+/-627.728 χ^2/NDF: 69.1/72

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4569.268+/-0.829 χ^2/NDF:1053934.4/19

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4790.041+/-0.892 χ^2/NDF:815674.6/17

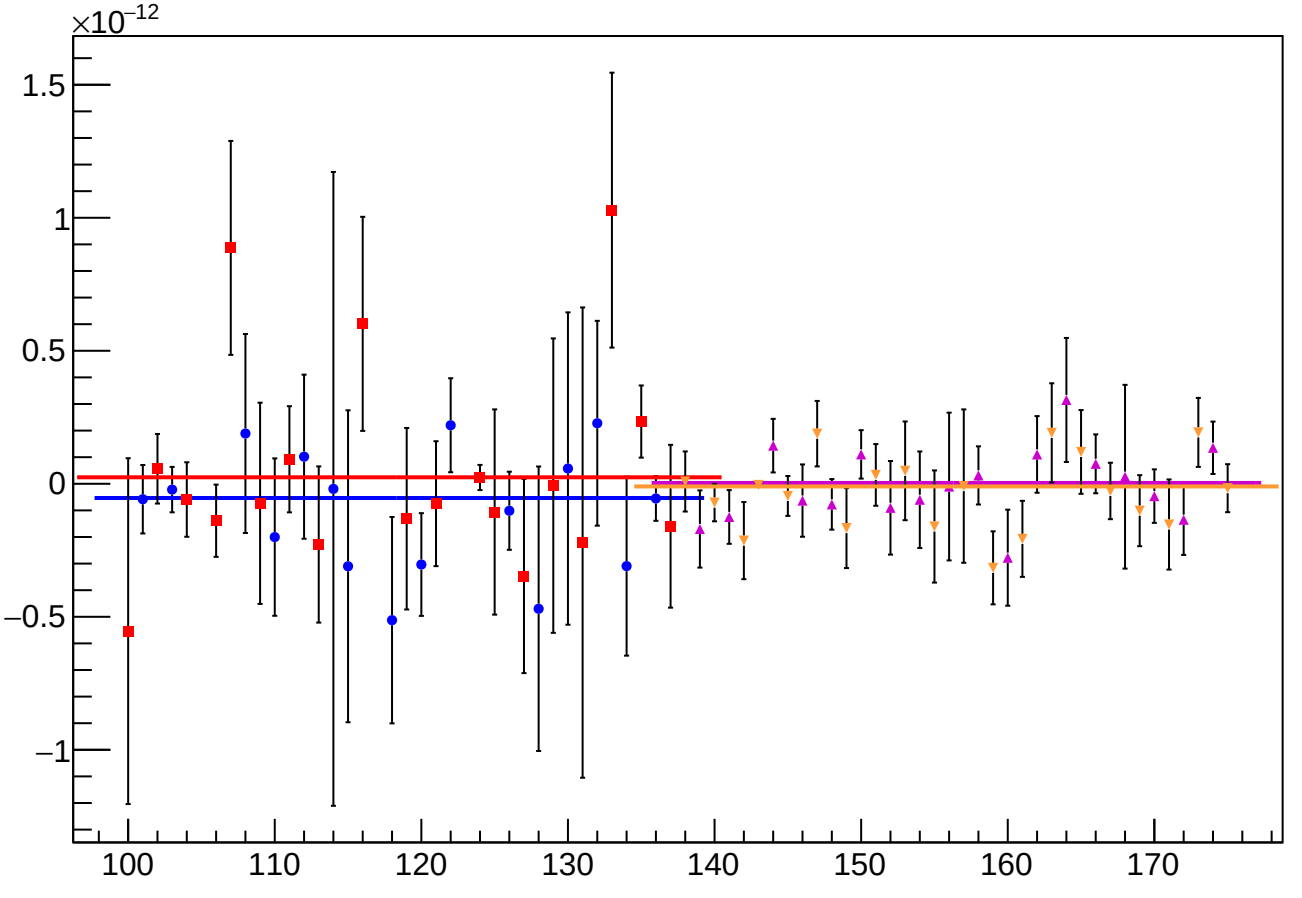
Left: 4671.538+/-0.607 χ^2/NDF: 1902468.6/37

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4171.002+/-0.647 χ^2/NDF:2425242.2/33

Out: 4004.615+/-0.606 χ^2/NDF:2428689.7/38

All: 4082.470+/-0.442 χ^2/NDF: 4889157.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/17

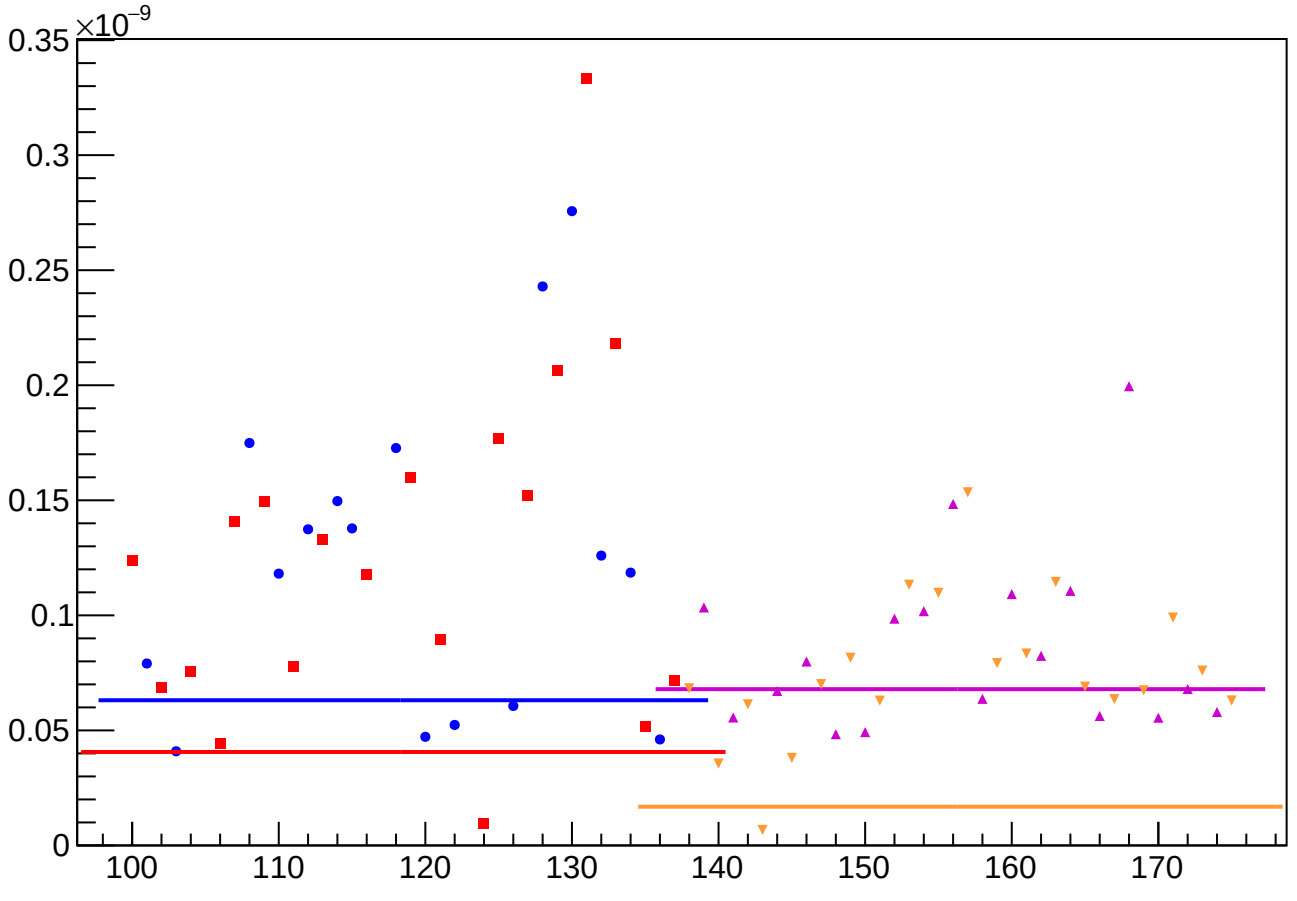
Left: -0.000+/-0.000 χ^2/NDF: 36.3/37

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:25.8/33

Out: -0.000+/-0.000 χ^2/NDF:39.2/38

All: -0.000+/-0.000 χ^2/NDF: 65.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8271773.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1191350.4/17

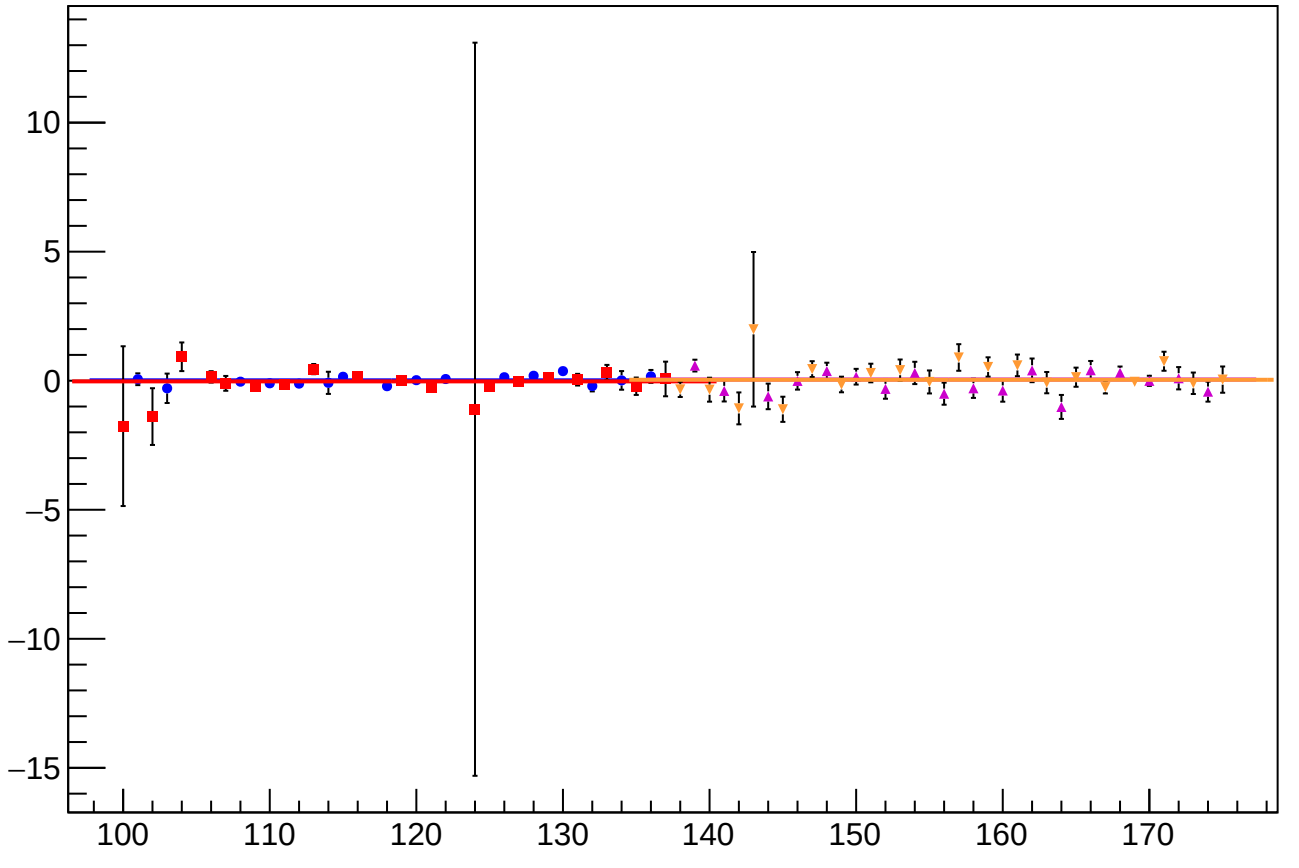
Left: 0.000+/-0.000 χ^2/NDF: 14589153.6/37

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2639657.5/33

Out: 0.000+/-0.000 χ^2/NDF:12244019.2/38

All: 0.000+/-0.000 χ^2/NDF: 20982483.6/72



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

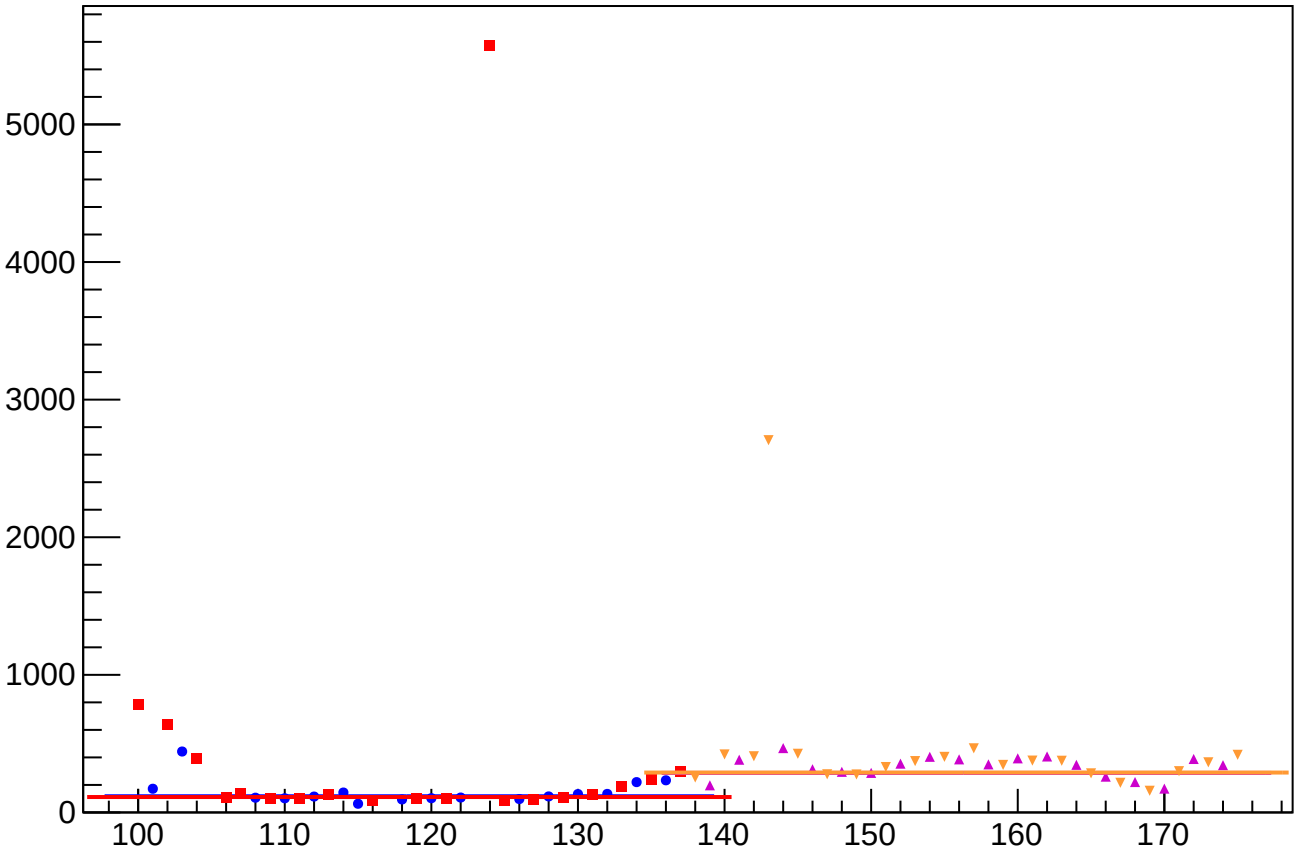
Left: 0.041+/-0.056 χ^2/NDF: 50.9/37

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.007+/-0.029 χ^2/NDF: 85.6/72



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

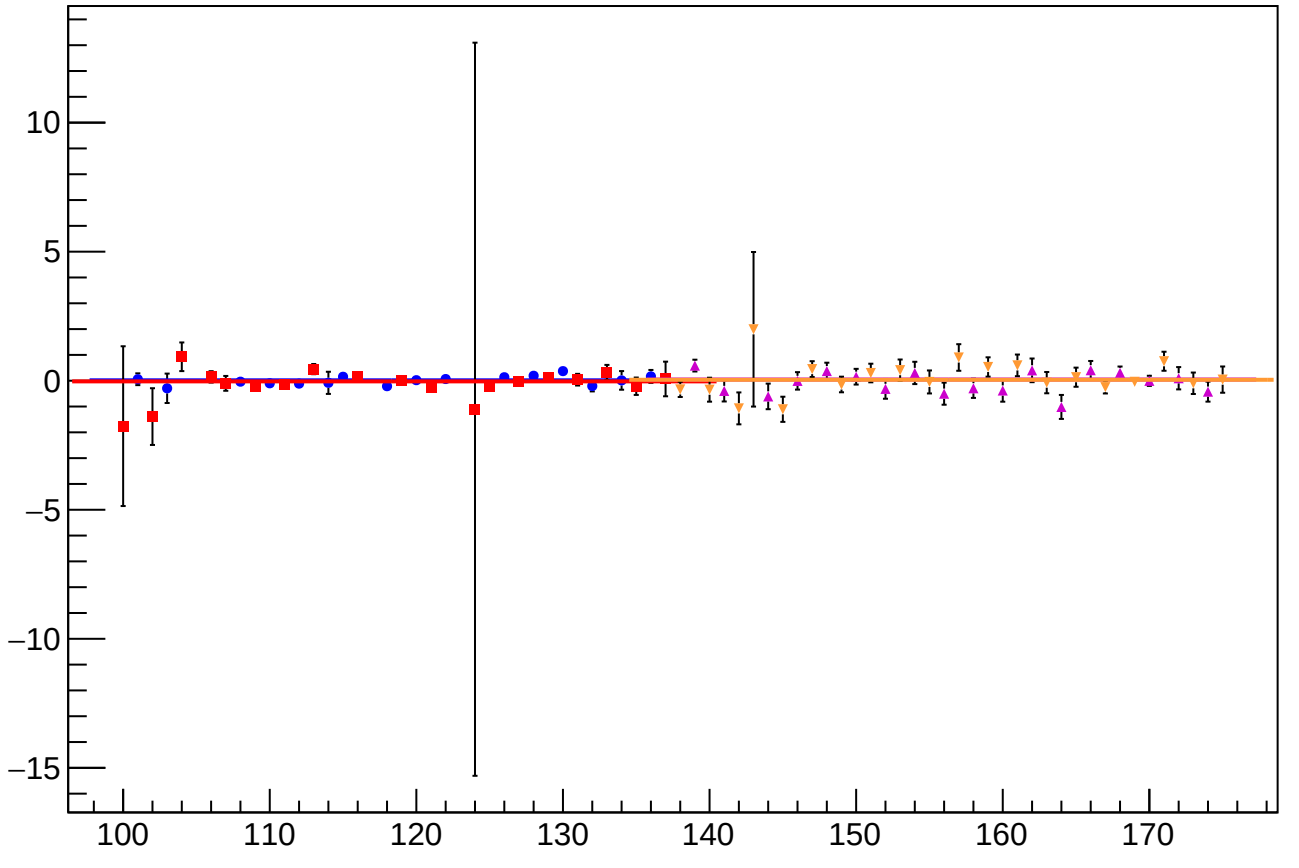
Left: 288.592+/-0.040 χ^2/NDF: 6258770.8/37

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 163.340+/-0.029 χ^2/NDF:10826436.3/33

Out: 158.029+/-0.029 χ^2/NDF:13537391.8/38

All: 160.646+/-0.020 χ^2/NDF: 24380900.5/72



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

Left: 0.041+/-0.056 χ^2/NDF: 50.9/37

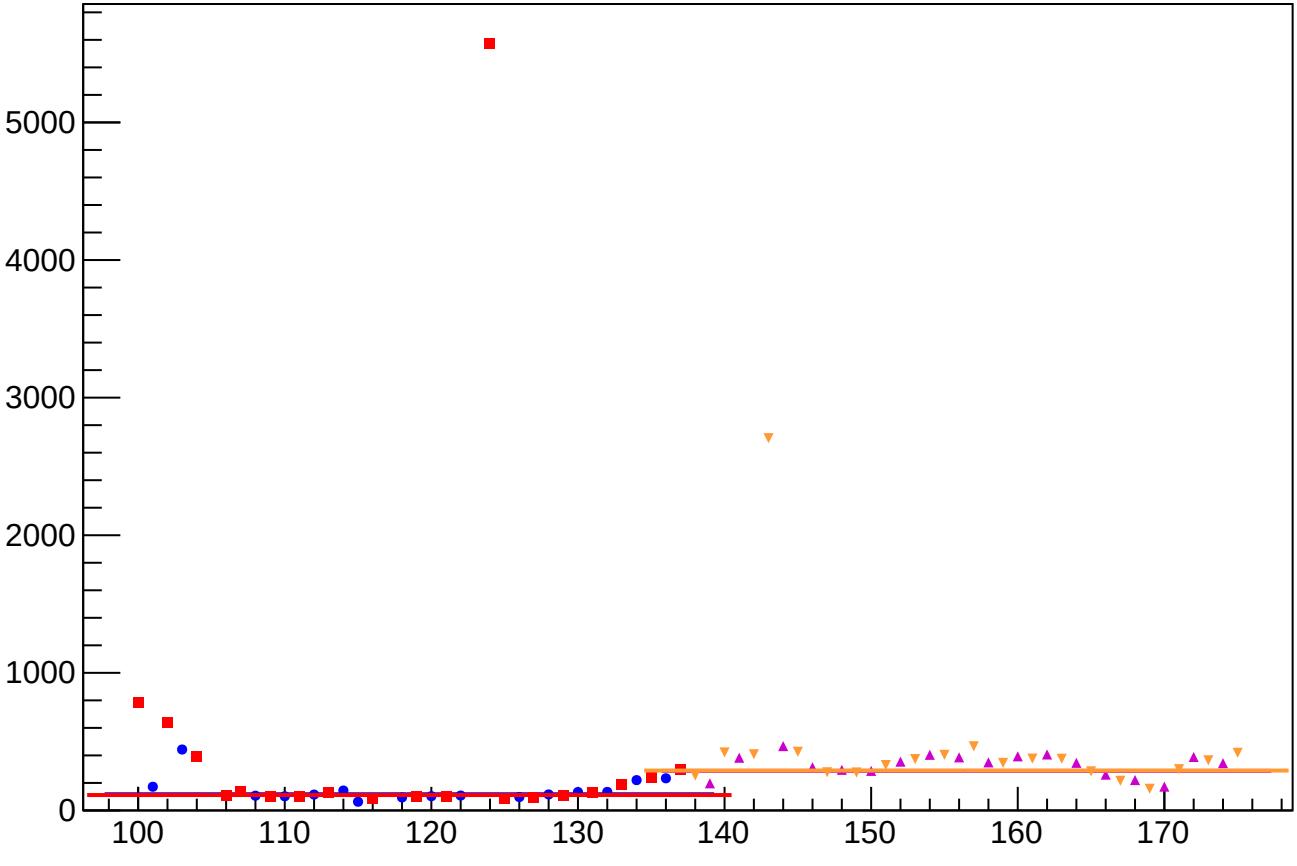
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.007+/-0.029 χ^2/NDF: 85.6/72

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

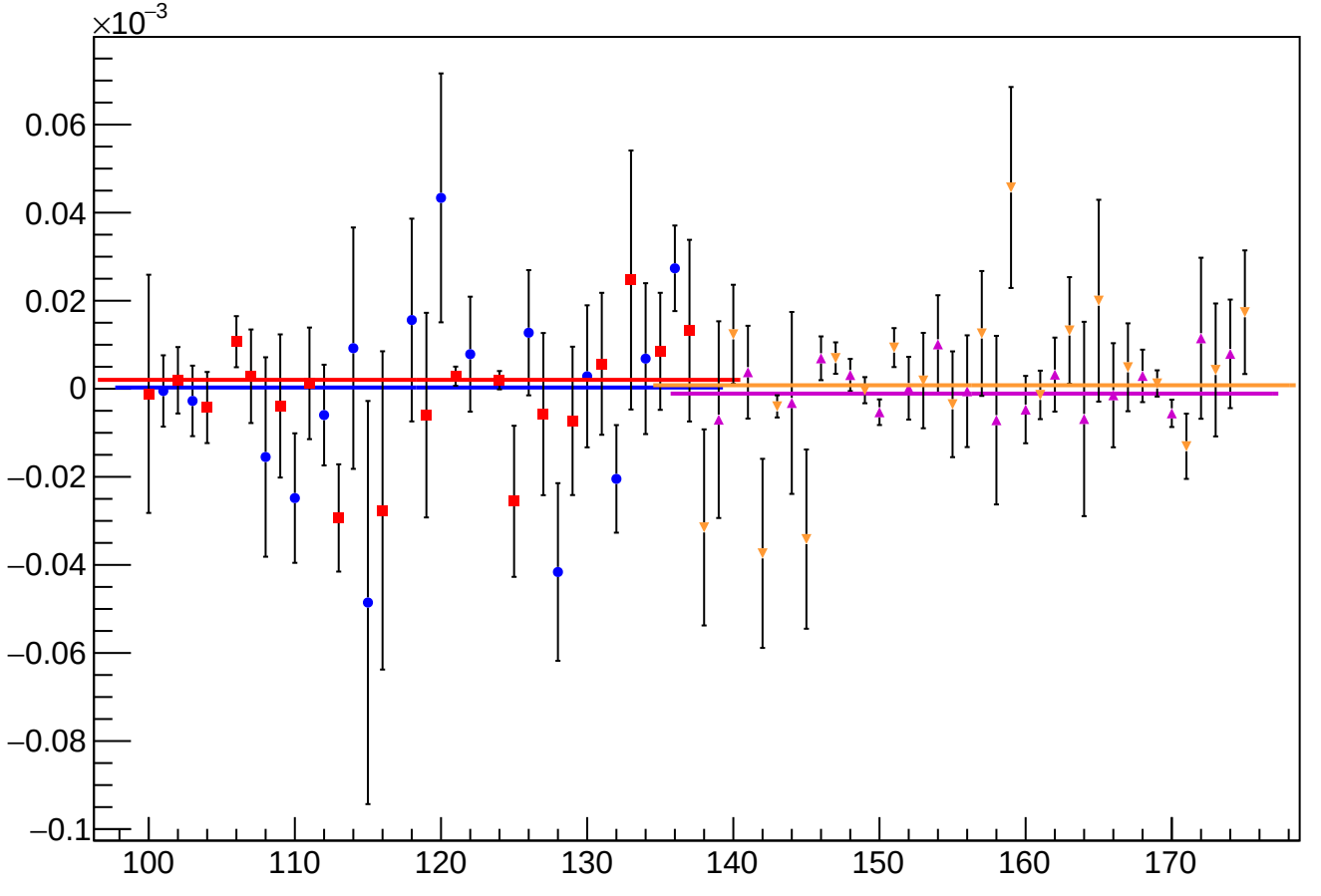
Left: 288.592+/-0.040 χ^2/NDF: 6258770.8/37

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 163.340+/-0.029 χ^2/NDF:10826436.3/33

Out: 158.029+/-0.029 χ^2/NDF:13537391.8/38

All: 160.646+/-0.020 χ^2/NDF: 24380900.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/17

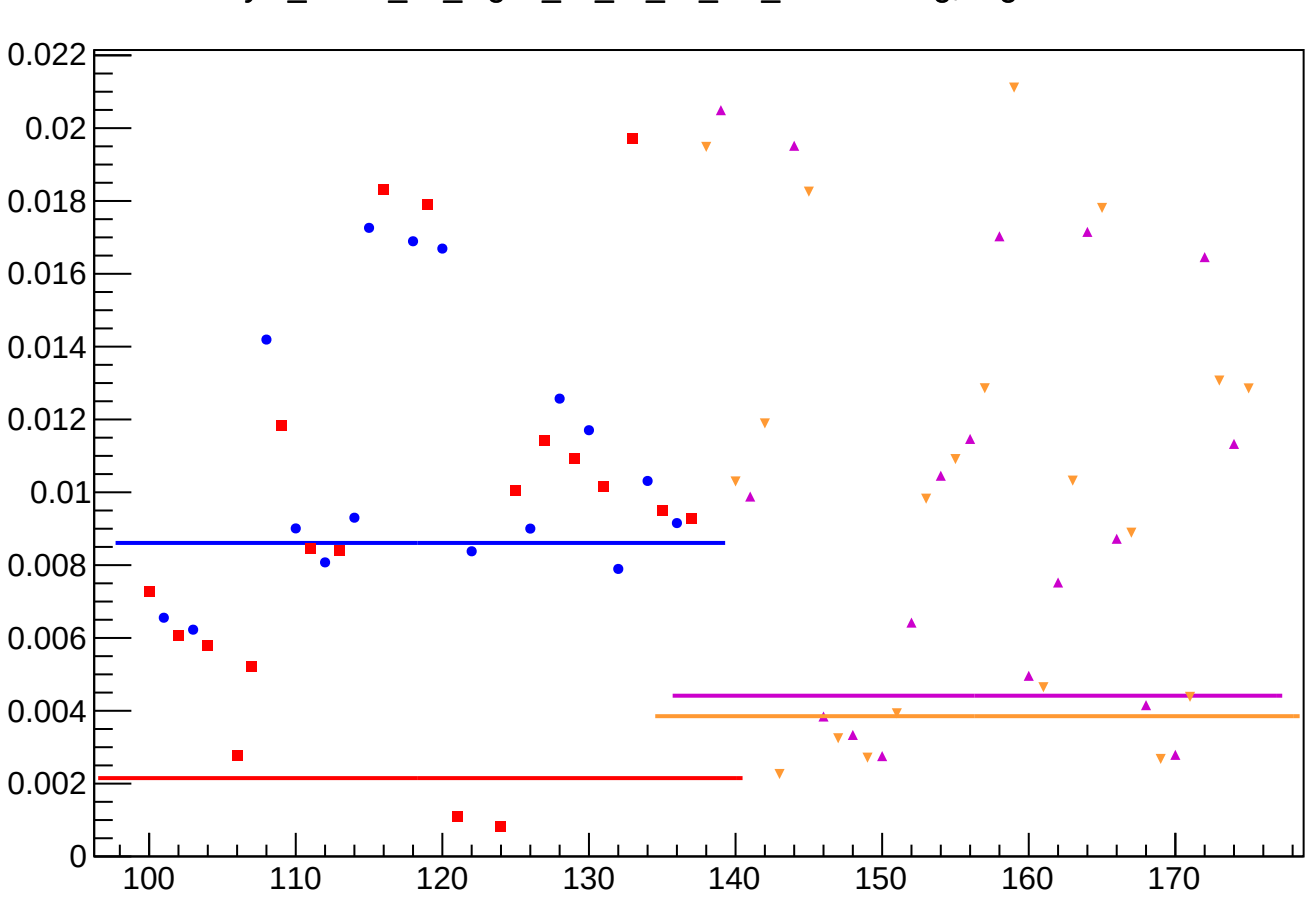
Left: -0.000+/-0.000 χ^2/NDF: 44.1/37

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:35.8/33

Out: 0.000+/-0.000 χ^2/NDF:46.8/38

All: 0.000+/-0.000 χ^2/NDF: 84.5/72



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:11072566.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:8988696.6/17

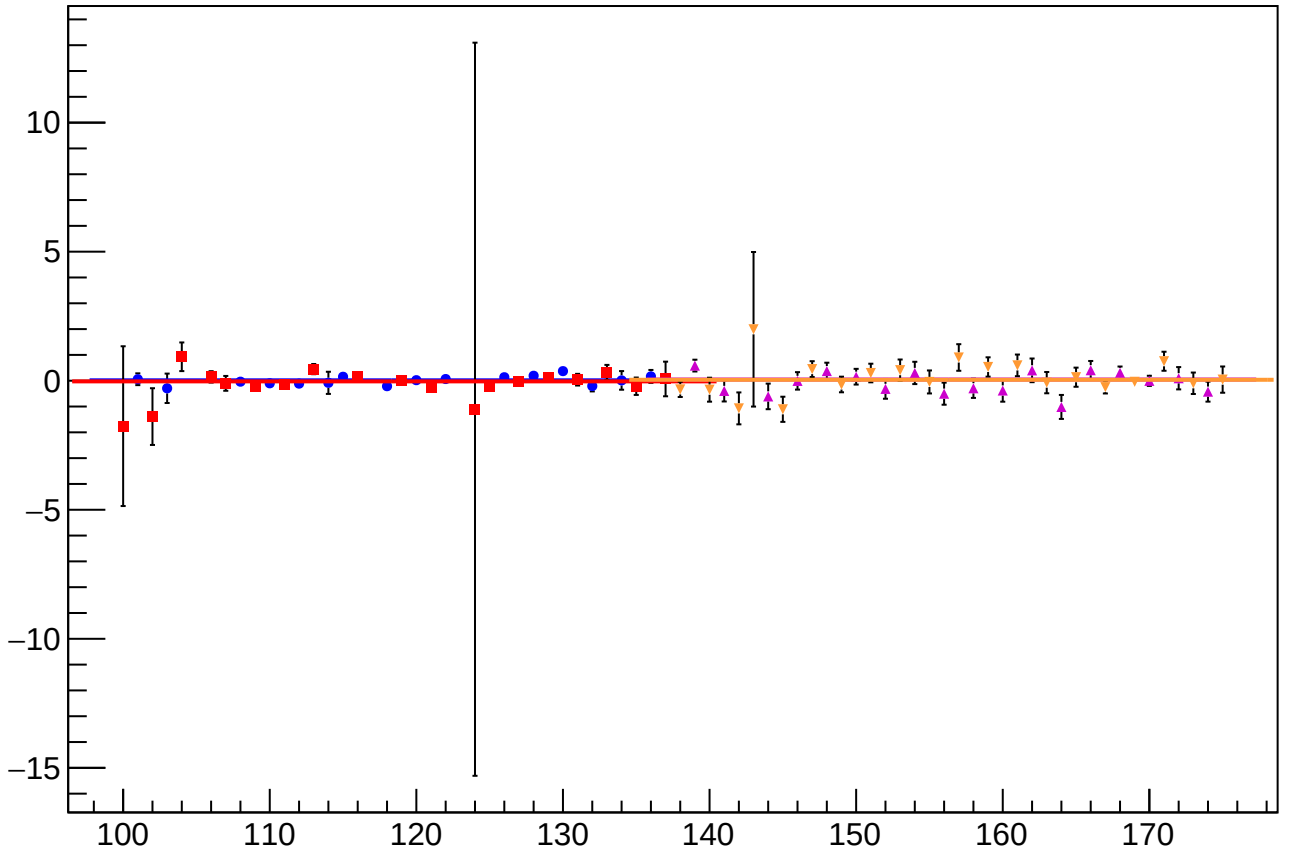
Left: 0.004+/-0.000 χ^2/NDF: 20230464.5/37

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:12703714.6/33

Out: 0.003+/-0.000 χ^2/NDF:21872521.1/38

All: 0.004+/-0.000 χ^2/NDF: 37682852.0/72



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

Left: 0.041+/-0.056 χ^2/NDF: 50.9/37

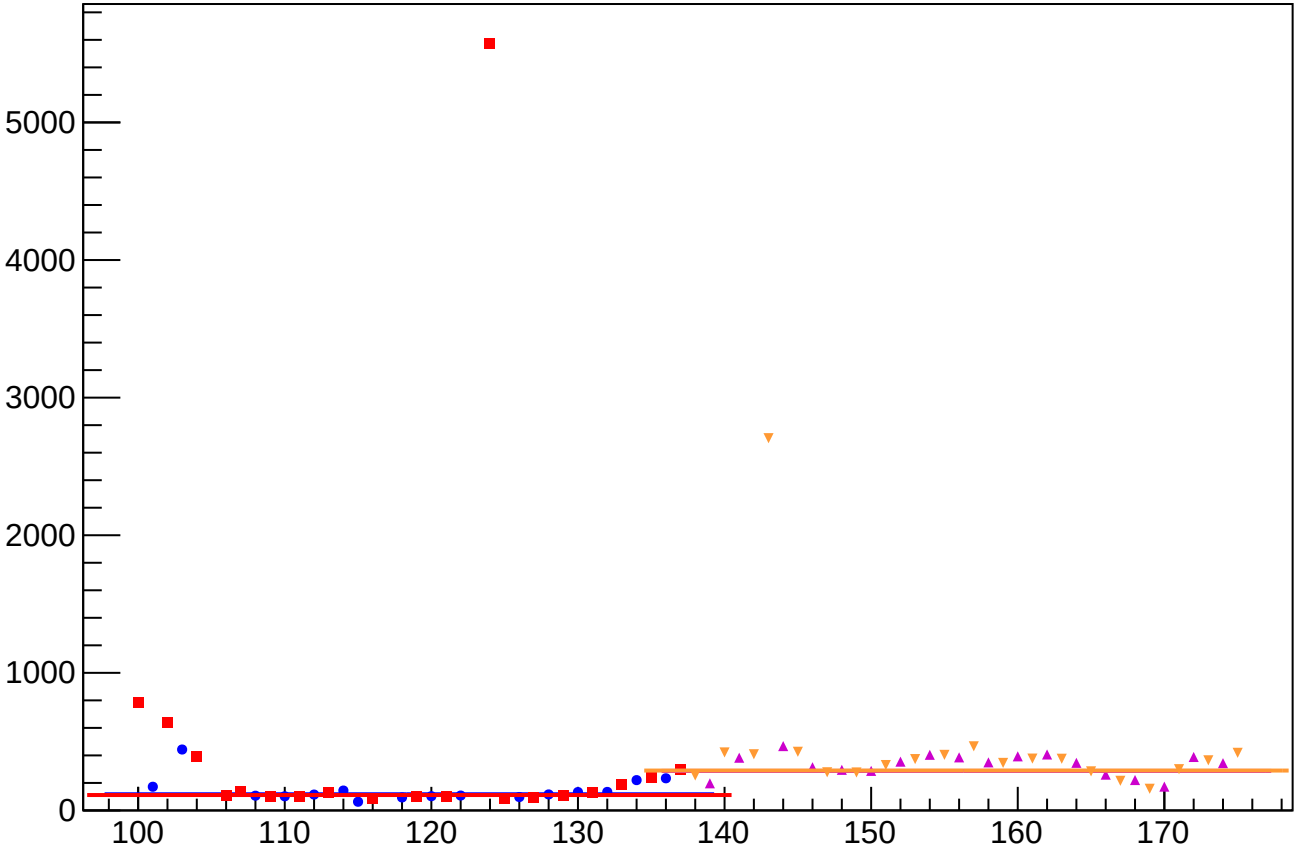
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.007+/-0.029 χ^2/NDF: 85.6/72

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 289.976+/-0.056 χ^2/NDF:3909442.7/19

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

Left: 288.594+/-0.040 χ^2/NDF: 6258795.8/37

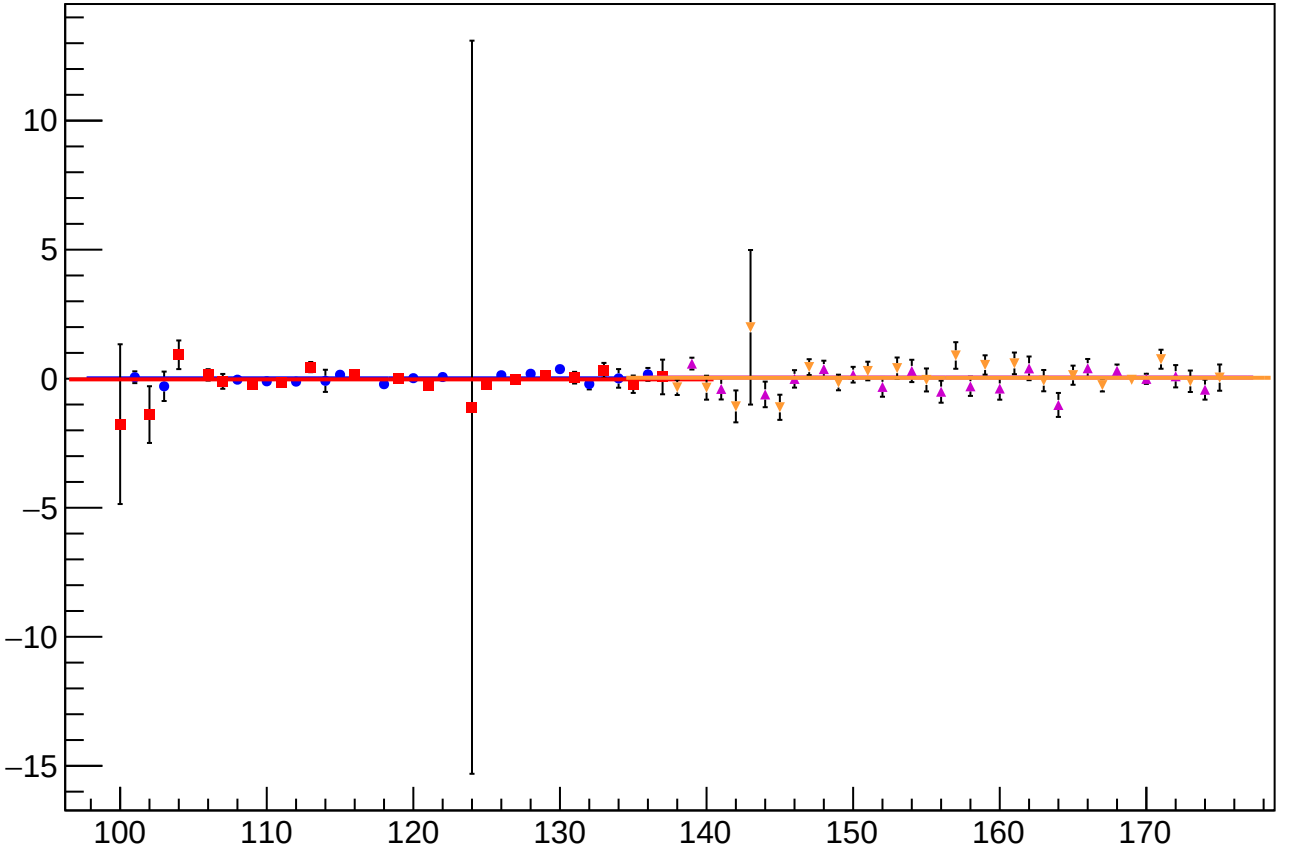
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 163.340+/-0.029 χ^2/NDF:10826504.3/33

Out: 158.031+/-0.029 χ^2/NDF:13537261.3/38

All: 160.647+/-0.020 χ^2/NDF: 24380826.2/72

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

Left: 0.041+/-0.056 χ^2/NDF: 50.9/37

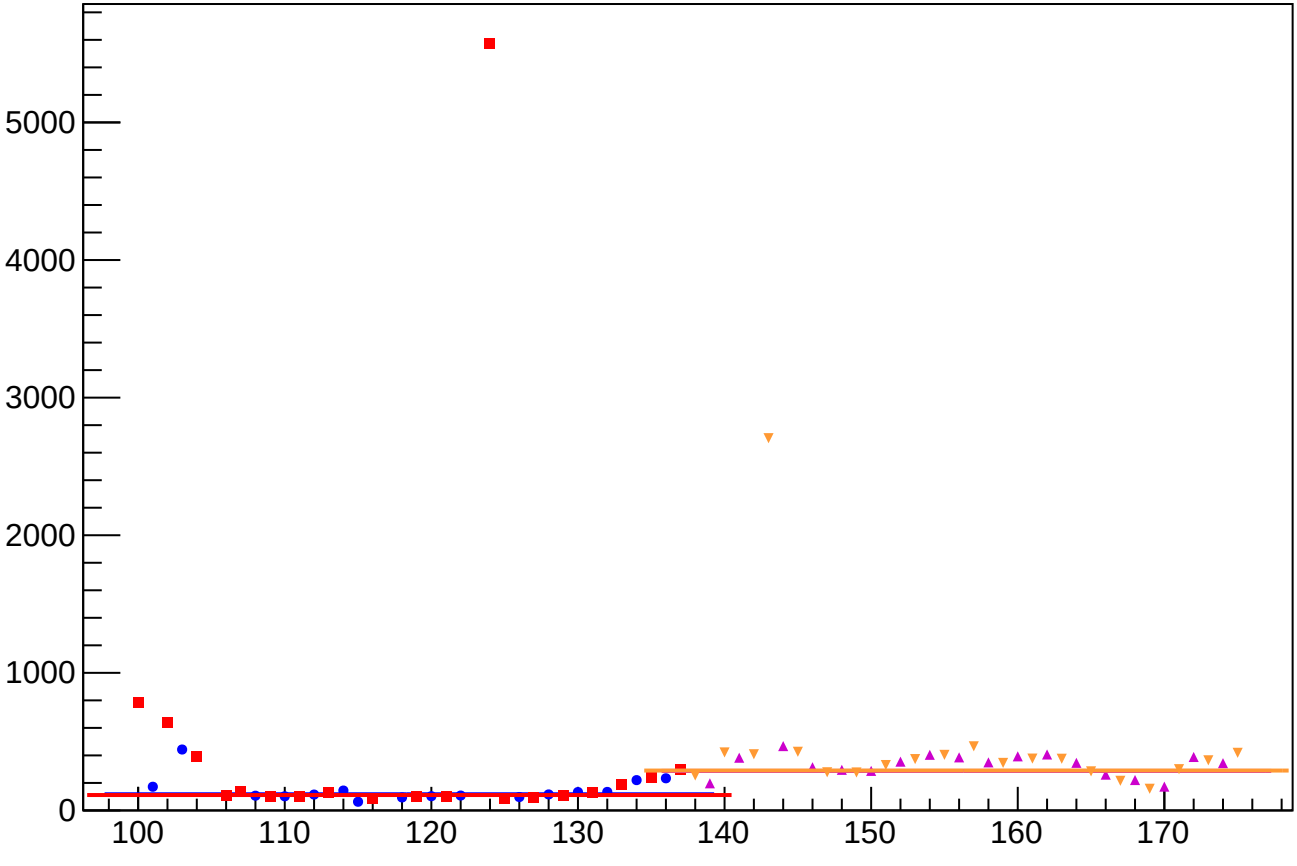
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.007+/-0.029 χ^2/NDF: 85.6/72

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 289.976+/-0.056 χ^2/NDF:3909442.7/19

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

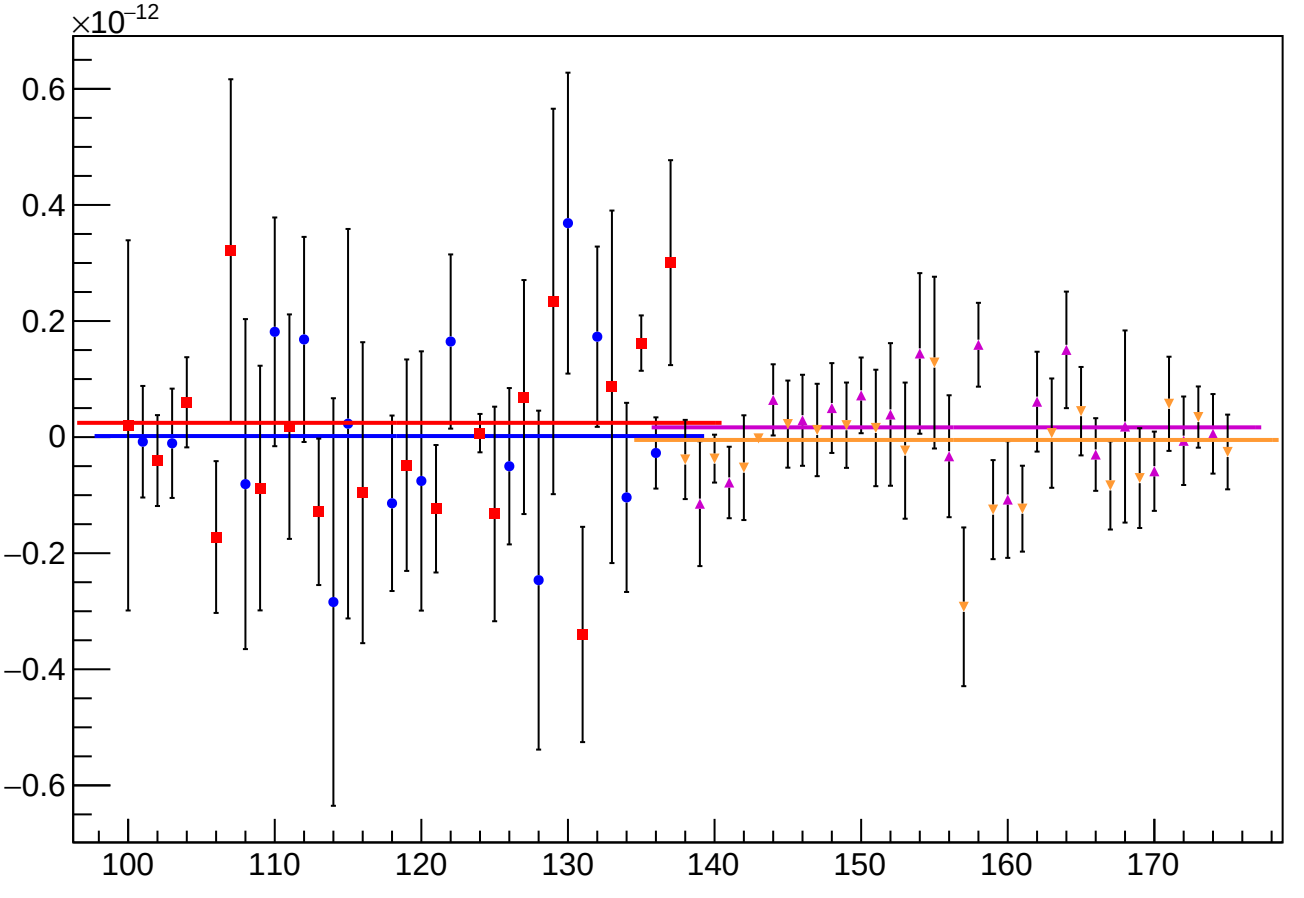
Left: 288.594+/-0.040 χ^2/NDF: 6258795.8/37

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 163.340+/-0.029 χ^2/NDF:10826504.3/33

Out: 158.031+/-0.029 χ^2/NDF:13537261.3/38

All: 160.647+/-0.020 χ^2/NDF: 24380826.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

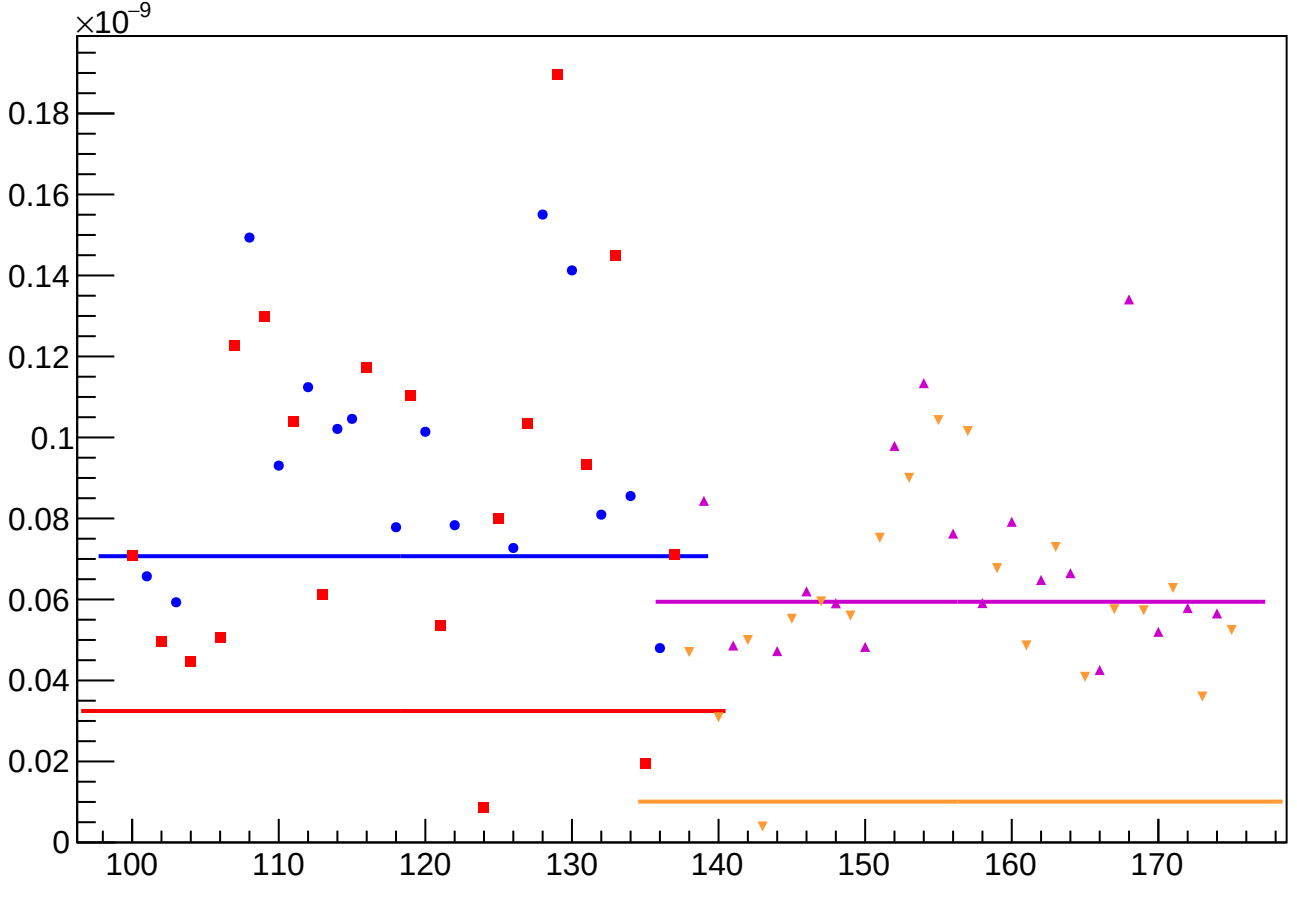
Left: -0.000+/-0.000 χ^2/NDF: 31.8/37

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.1/33

Out: -0.000+/-0.000 χ^2/NDF:40.7/38

All: -0.000+/-0.000 χ^2/NDF: 66.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15221473.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1535539.5/17

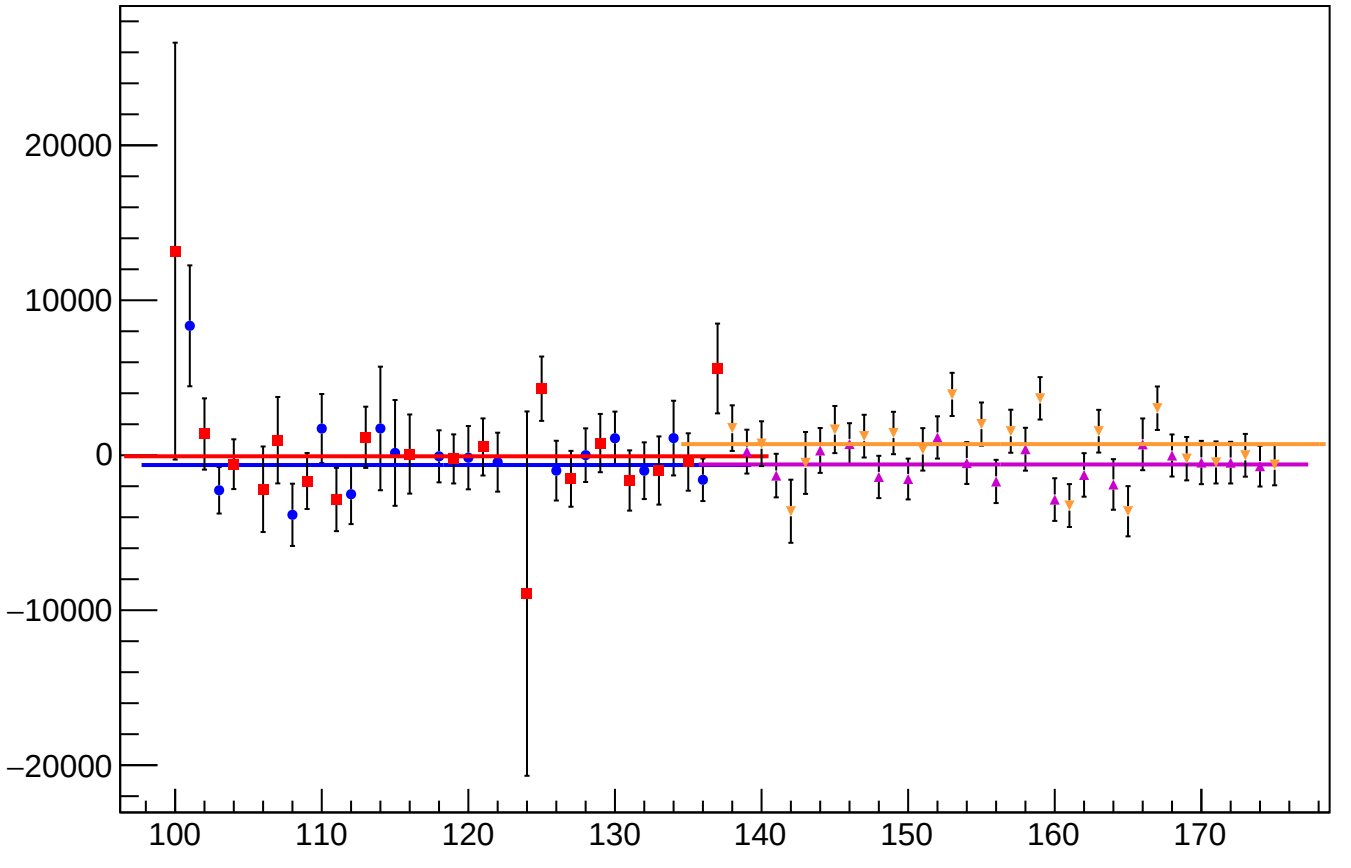
Left: 0.000+/-0.000 χ^2/NDF: 29099023.7/37

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2723493.7/33

Out: 0.000+/-0.000 χ^2/NDF:21650171.8/38

All: 0.000+/-0.000 χ^2/NDF: 40701808.8/72



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.396+/-329.096 χ^2/NDF:10.0/17

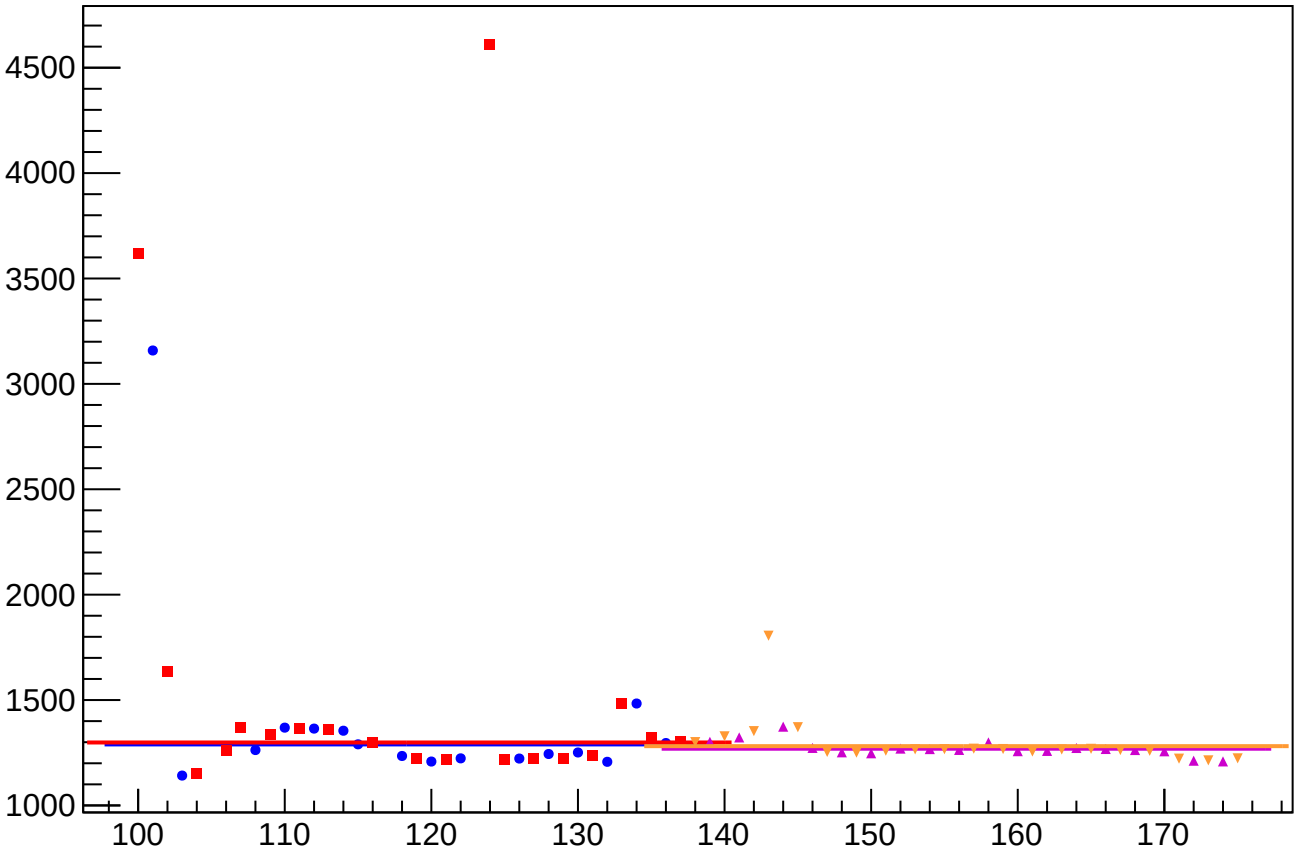
Left: 75.182+/-230.304 χ^2/NDF: 56.4/37

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -605.830+/-272.965 χ^2/NDF:23.9/33

Out: 478.985+/-268.960 χ^2/NDF:56.0/38

All: -55.405+/-191.584 χ^2/NDF: 87.9/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

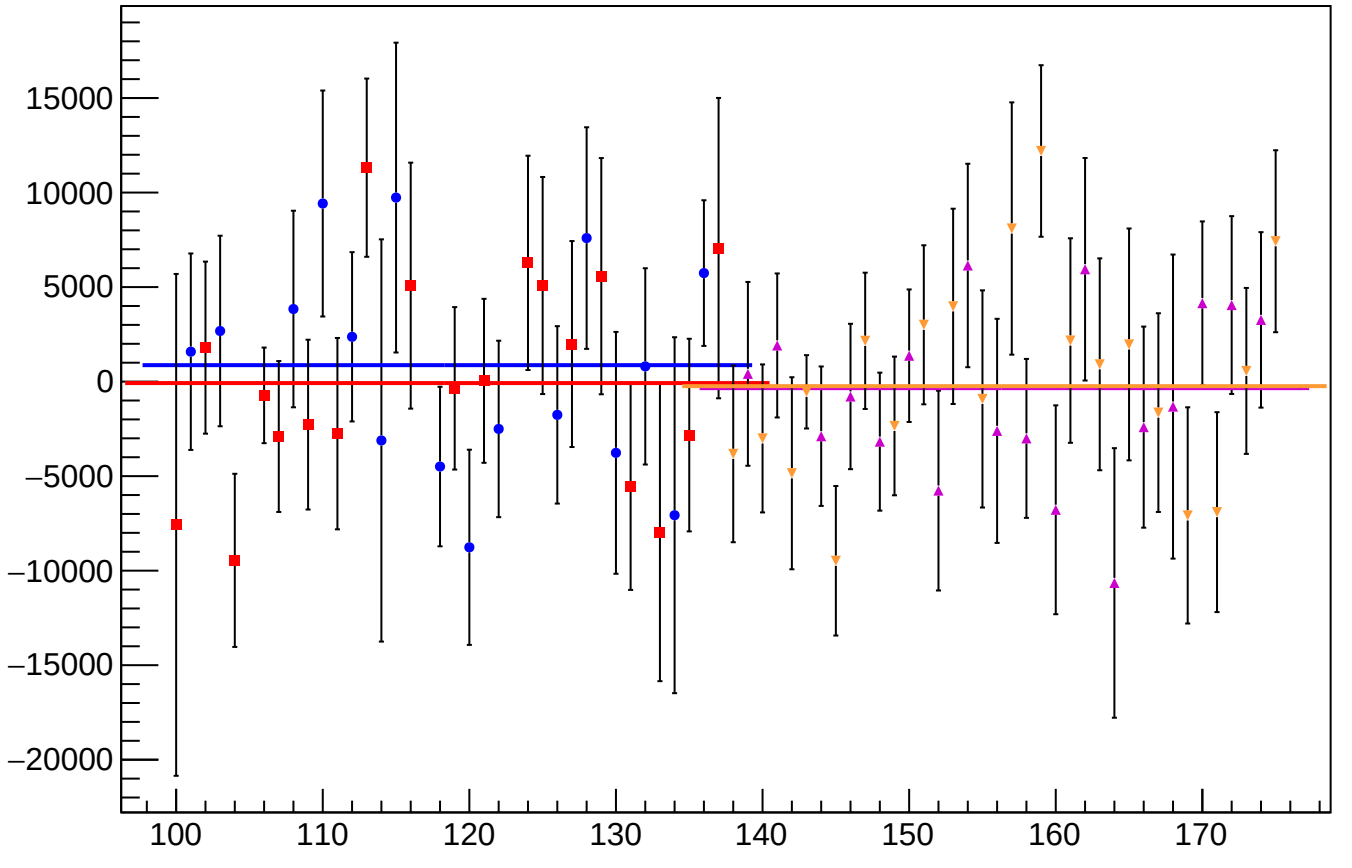
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1275.424+/-0.193 χ^2/NDF:541587.2/33

Out: 1286.556+/-0.190 χ^2/NDF:487923.4/38

All: 1281.076+/-0.135 χ^2/NDF: 1031199.6/72



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -345.521+/-1090.150 χ^2/NDF:12.1/17

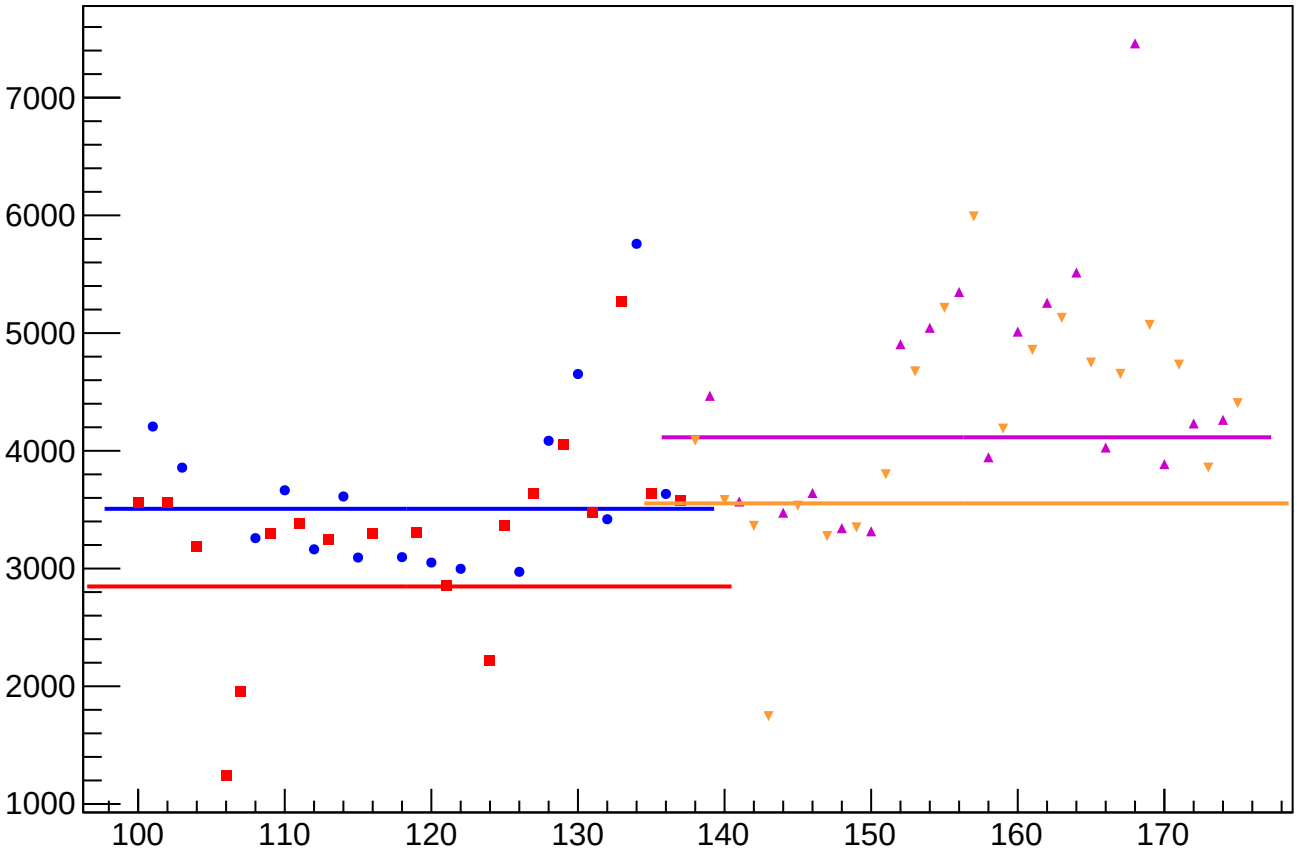
Left: -285.469+/-714.666 χ^2/NDF: 36.6/37

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 145.145+/-841.911 χ^2/NDF:26.6/33

Out: -171.720+/-720.465 χ^2/NDF:42.9/38

All: -37.770+/-547.395 χ^2/NDF: 69.6/72



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

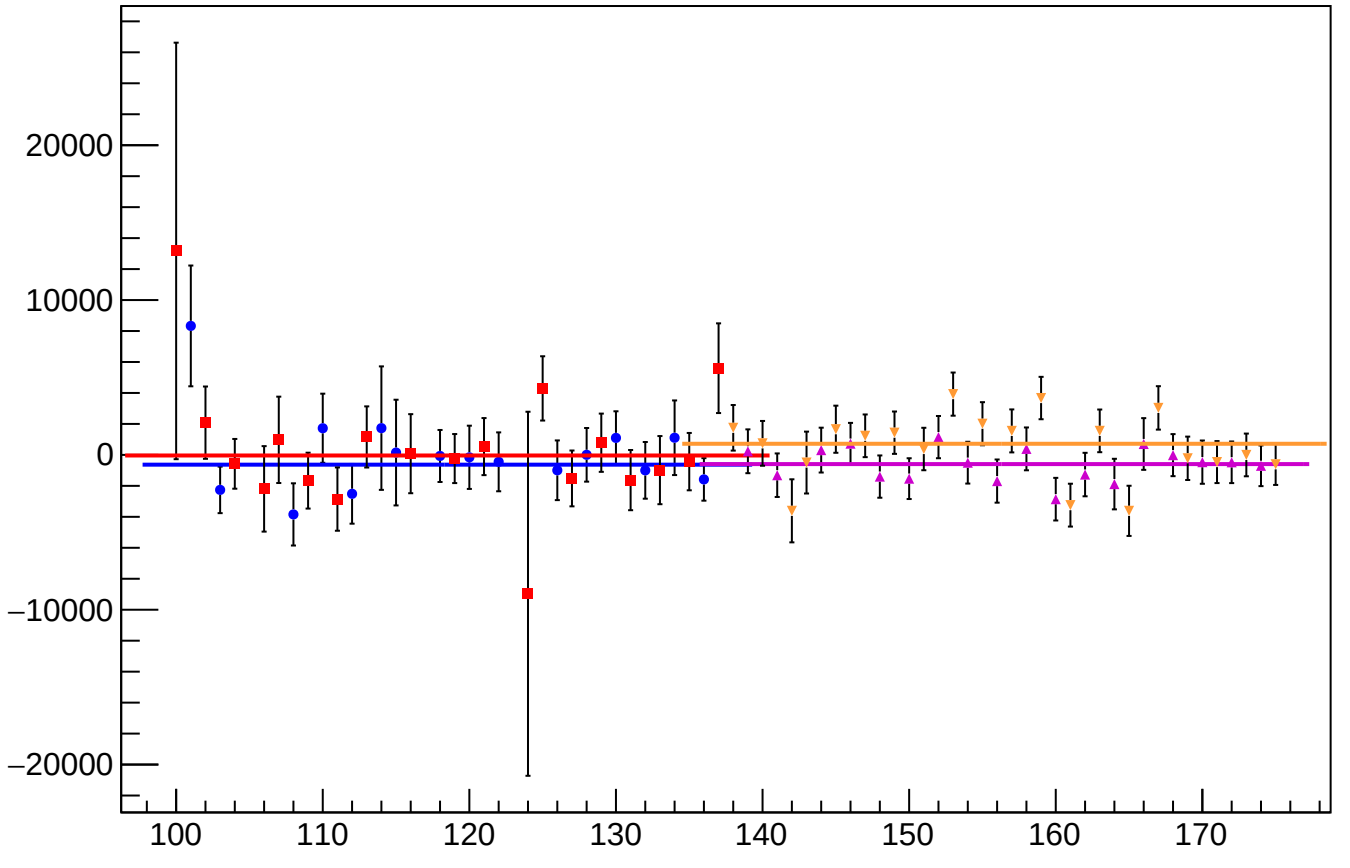
Left: 3794.728+/-0.505 χ^2/NDF: 4501530.5/37

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3869.740+/-0.595 χ^2/NDF:1695353.6/33

Out: 3256.733+/-0.509 χ^2/NDF:5075051.5/38

All: 3515.873+/-0.387 χ^2/NDF: 7382478.3/72



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

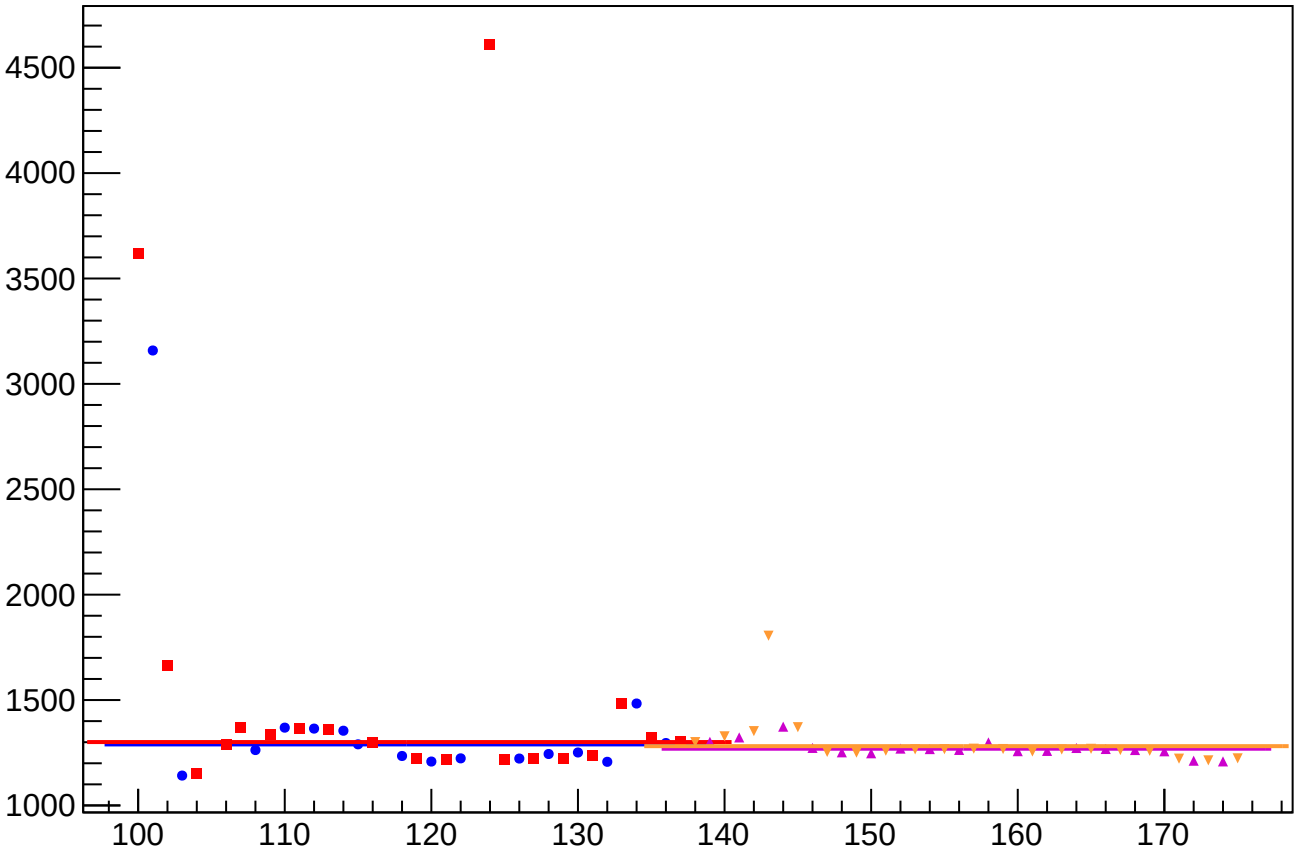
Left: 75.219+/-230.304 χ^2/NDF: 56.4/37

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -50.965+/-191.604 χ^2/NDF: 88.3/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

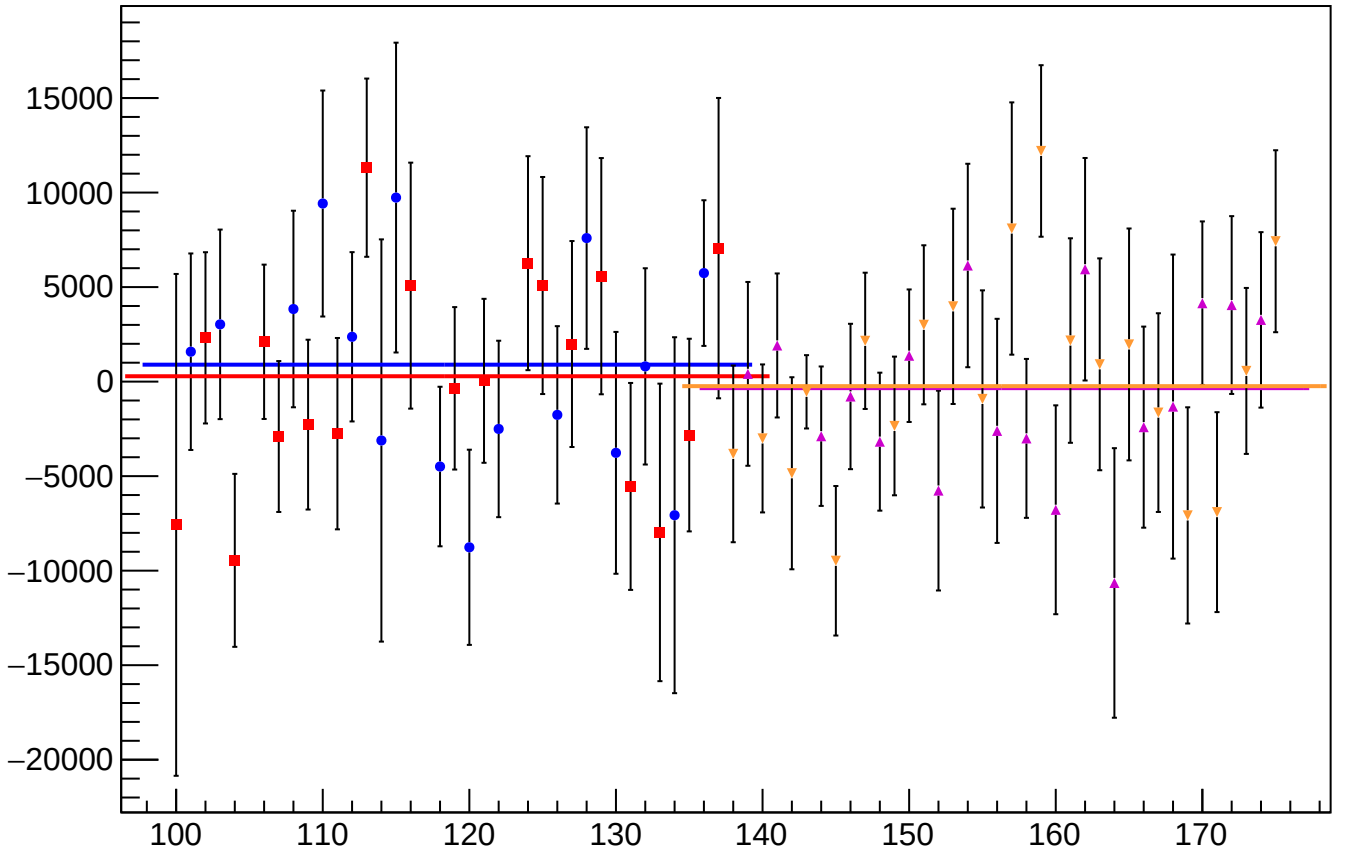
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

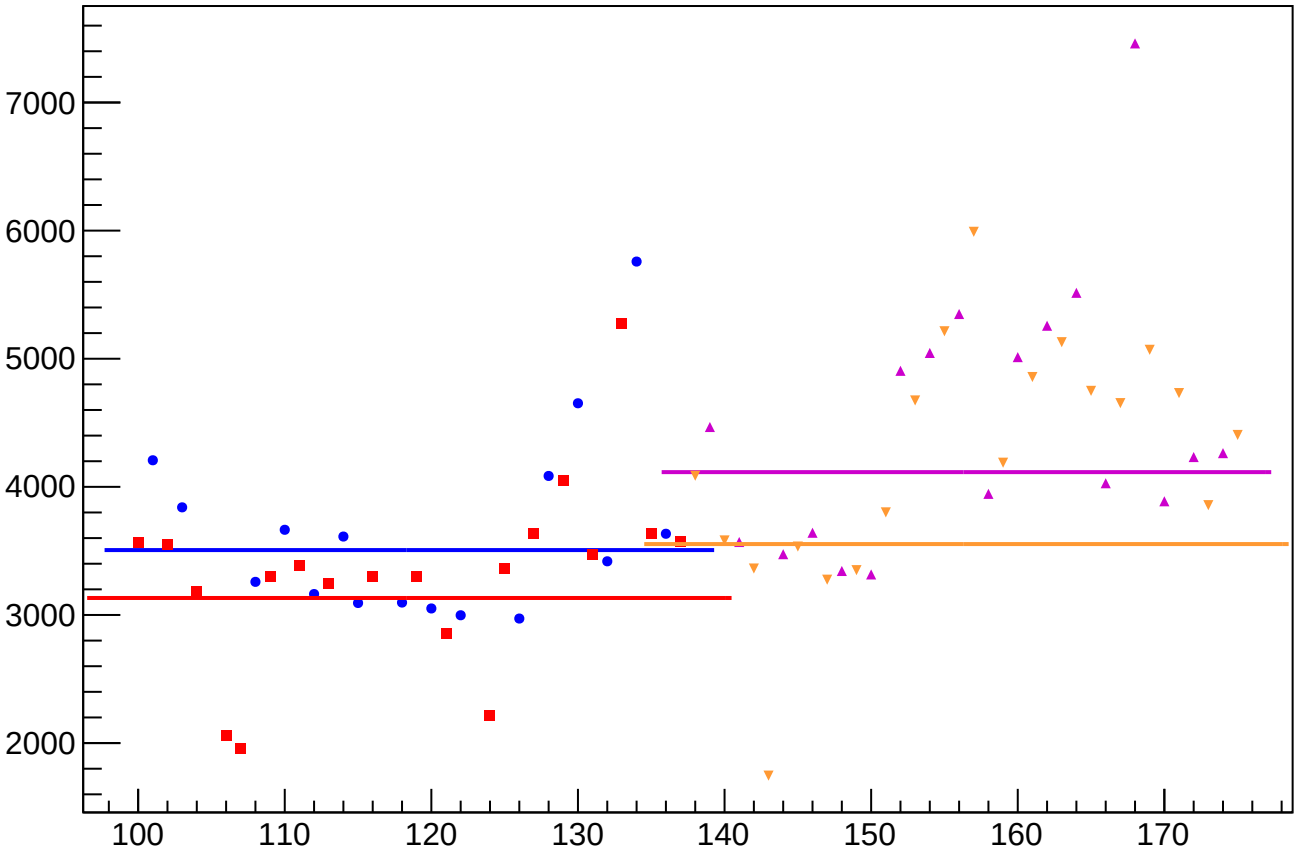
Left: -285.432+/-714.665 χ^2/NDF: 36.6/37

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 47.655+/-555.383 χ^2/NDF: 70.0/72



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

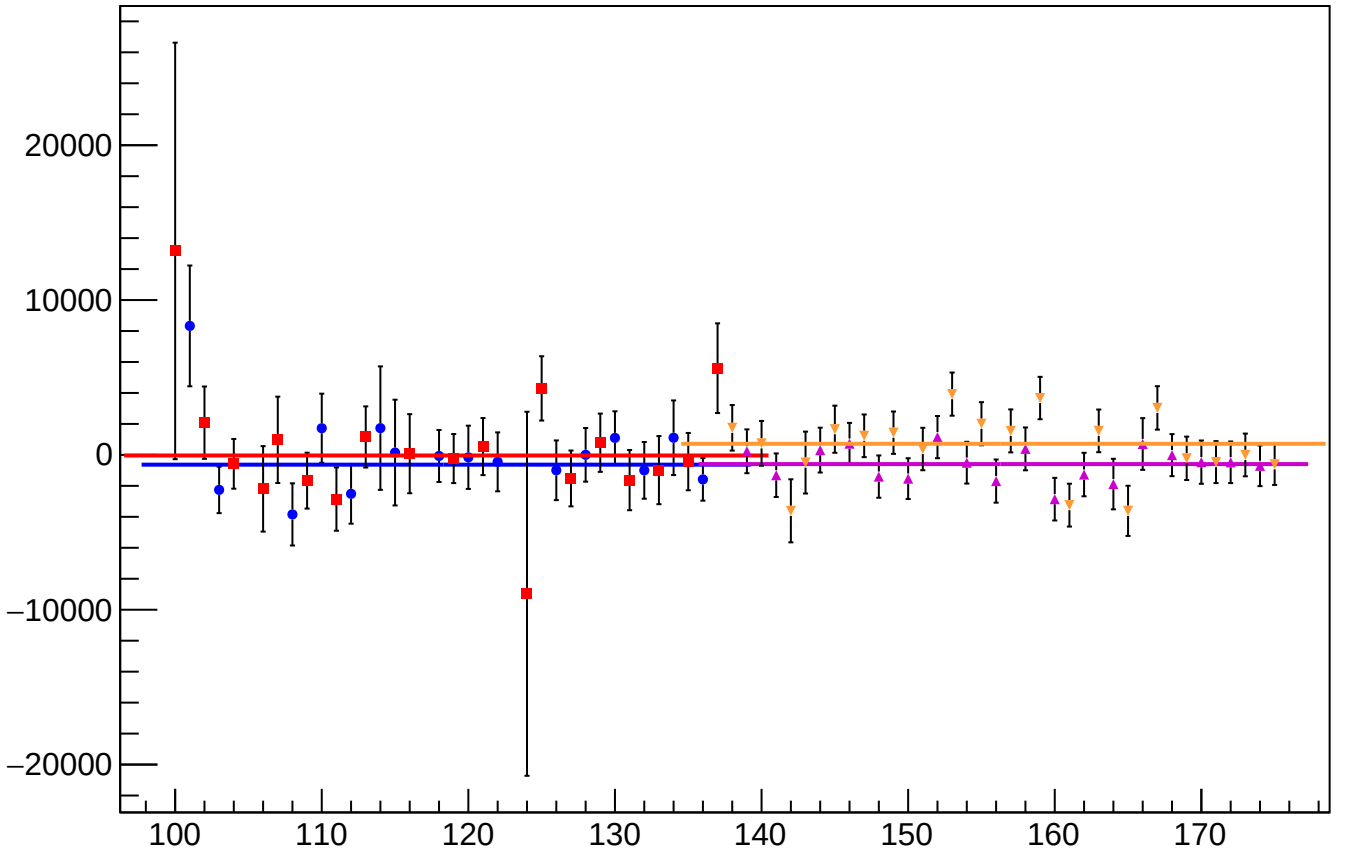
Left: 3794.721+/-0.505 χ^2/NDF: 4501570.2/37

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

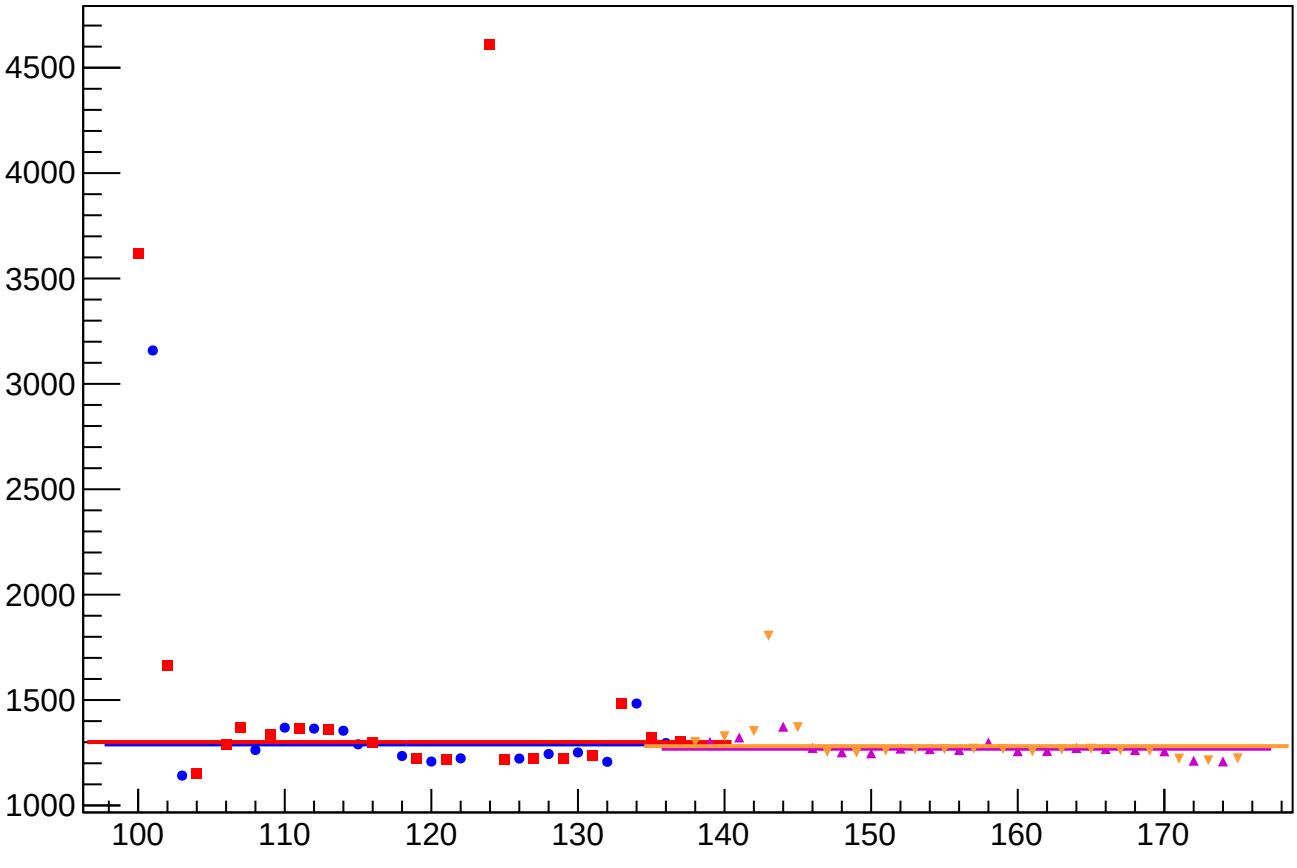
Left: 75.219+/-230.304 χ^2/NDF: 56.4/37

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -50.965+/-191.604 χ^2/NDF: 88.3/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

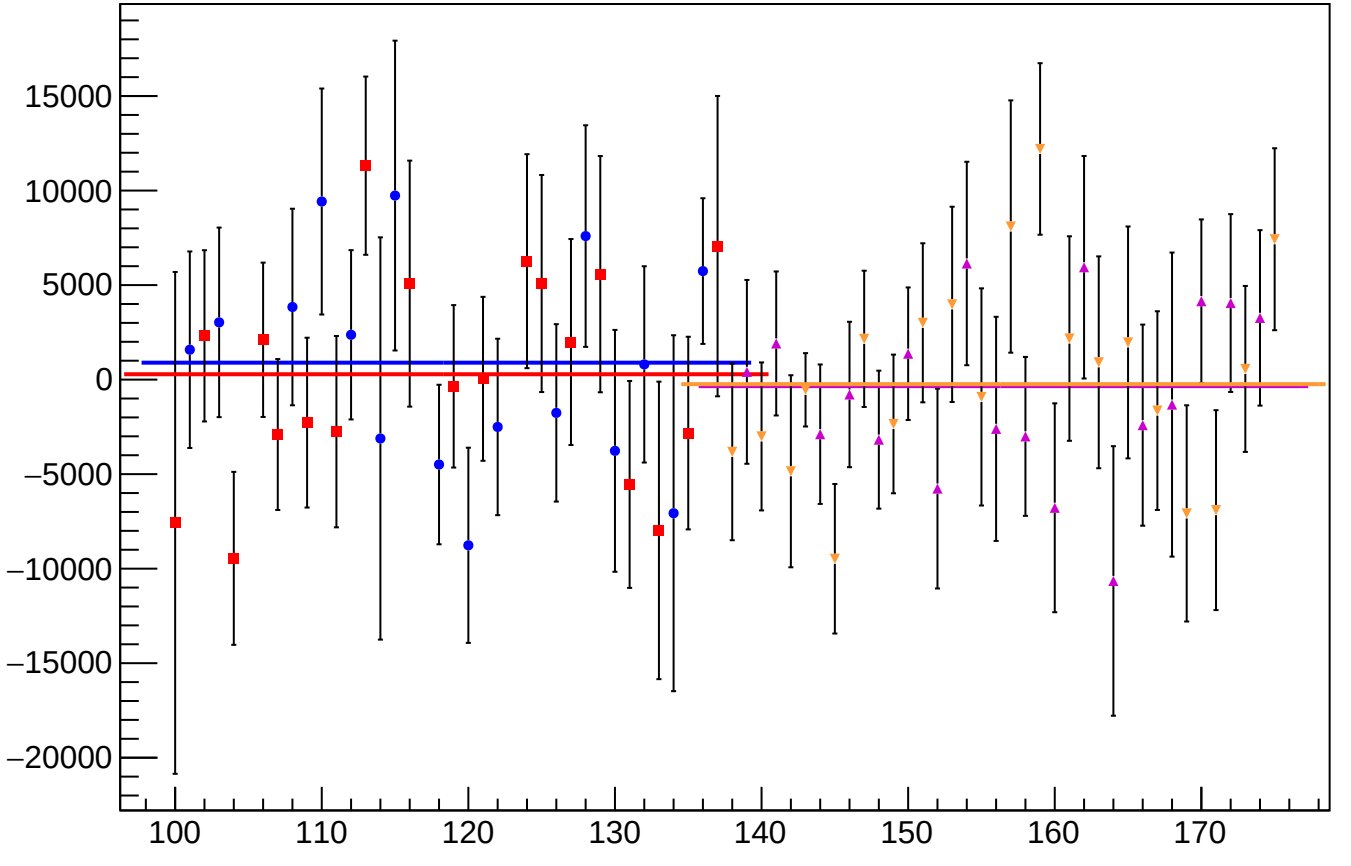
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

Left: -285.432+/-714.665 χ^2/NDF: 36.6/37

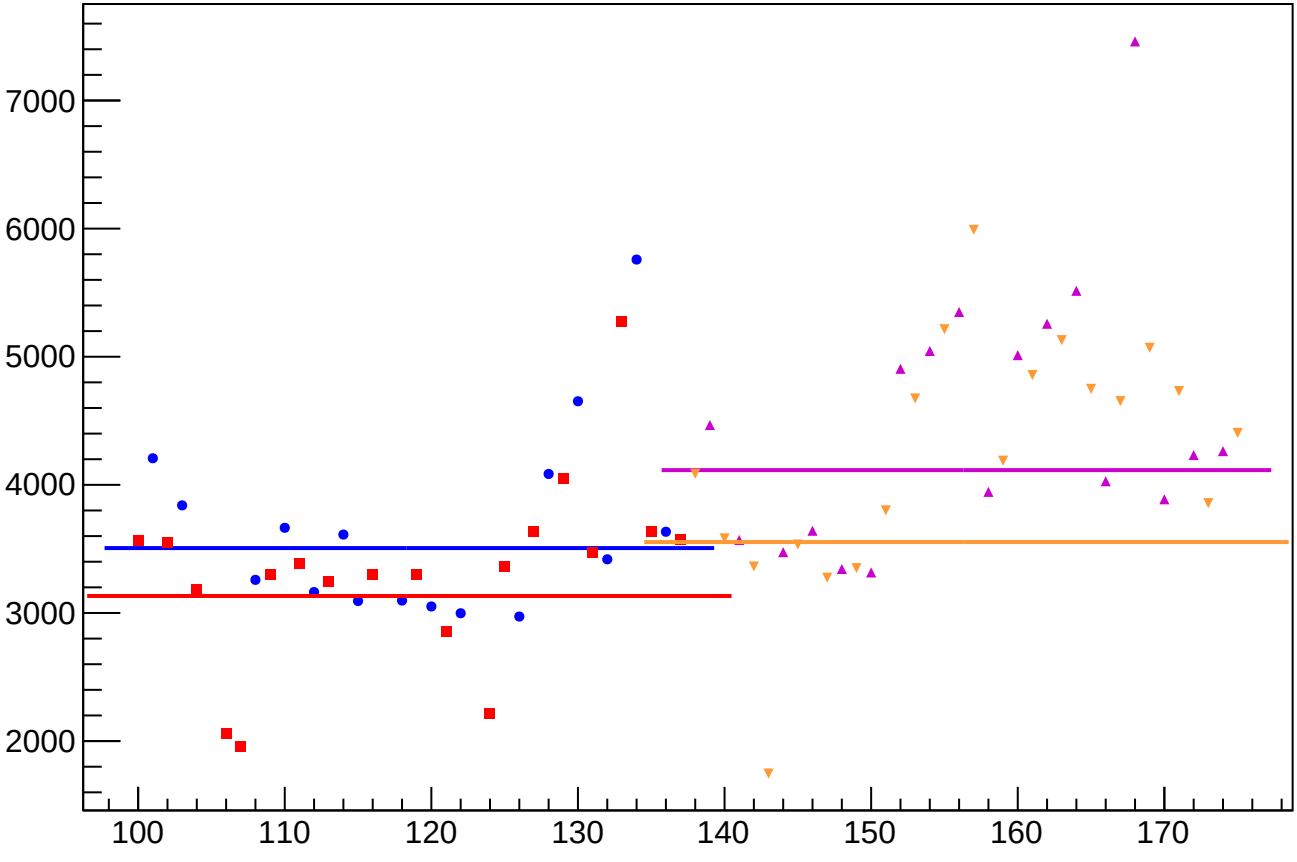
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 47.655+/-555.383 χ^2/NDF: 70.0/72

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

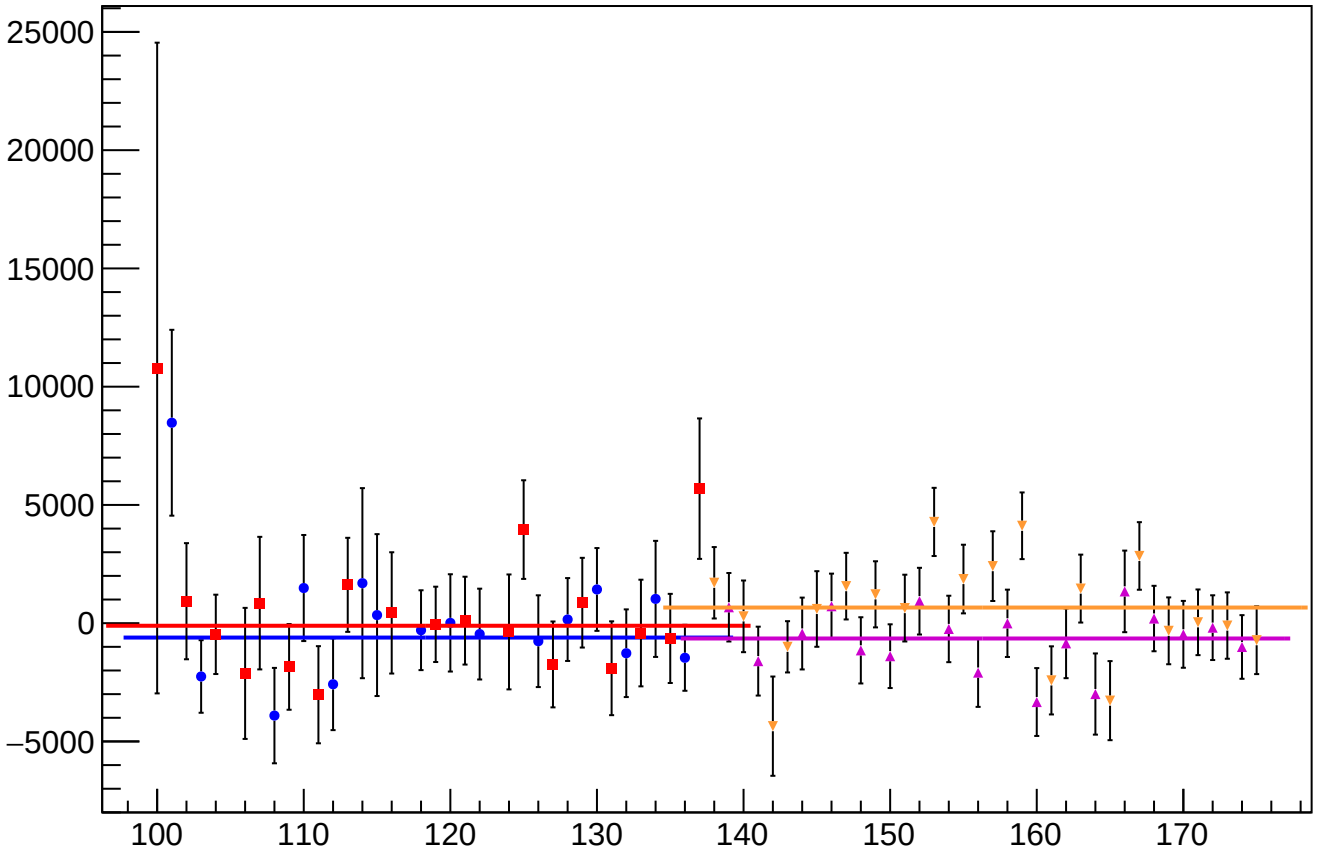
Left: 3794.721+/-0.505 χ^2/NDF: 4501570.2/37

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -647.406+/-339.439 χ^2/NDF:12.5/17

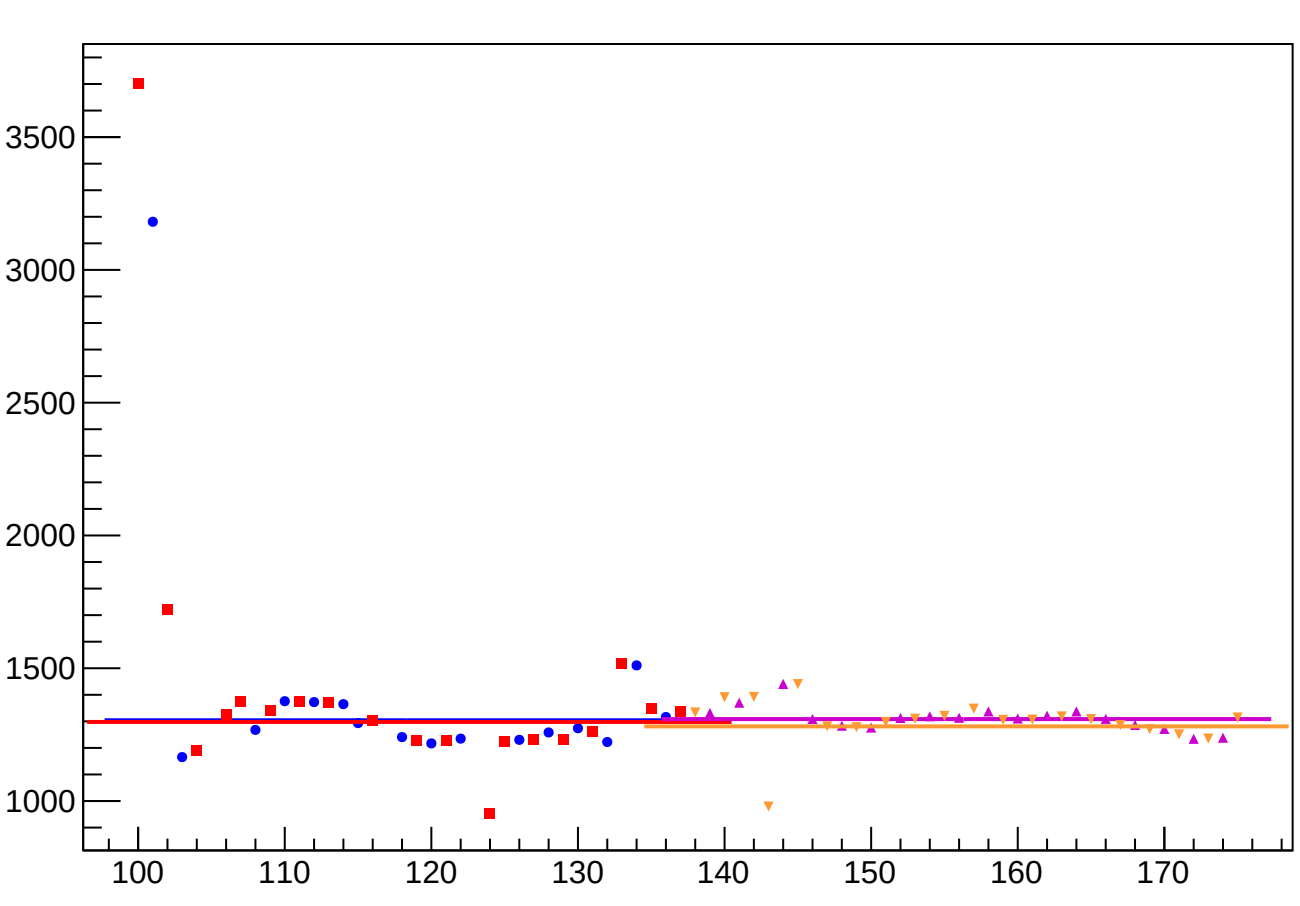
Left: 40.283+/-233.837 χ^2/NDF: 58.6/37

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -634.720+/-279.794 χ^2/NDF:26.6/33

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -83.115+/-193.802 χ^2/NDF: 89.0/72



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

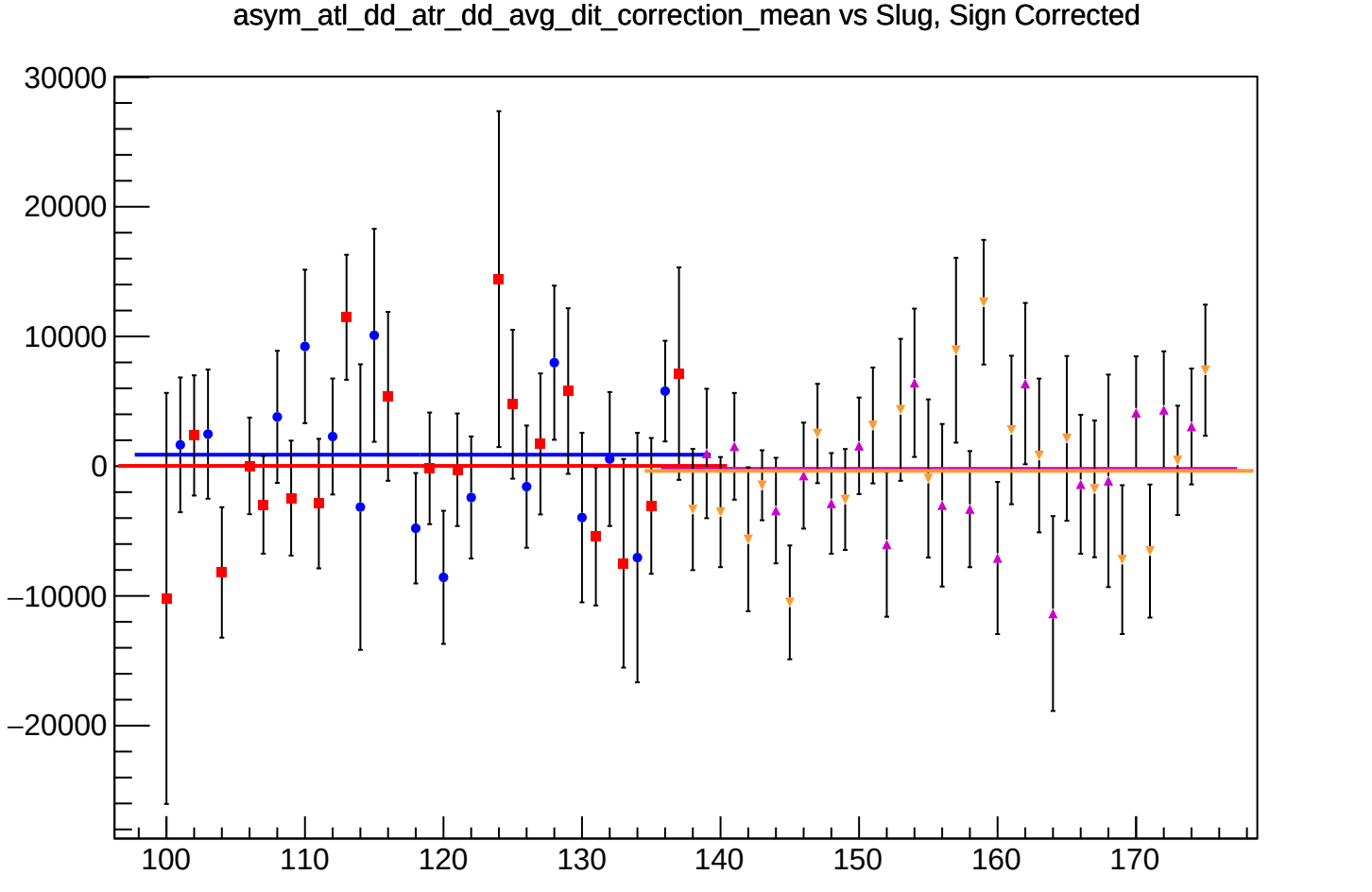
Left: 1294.077+/-0.165 χ^2/NDF: 250423.2/37

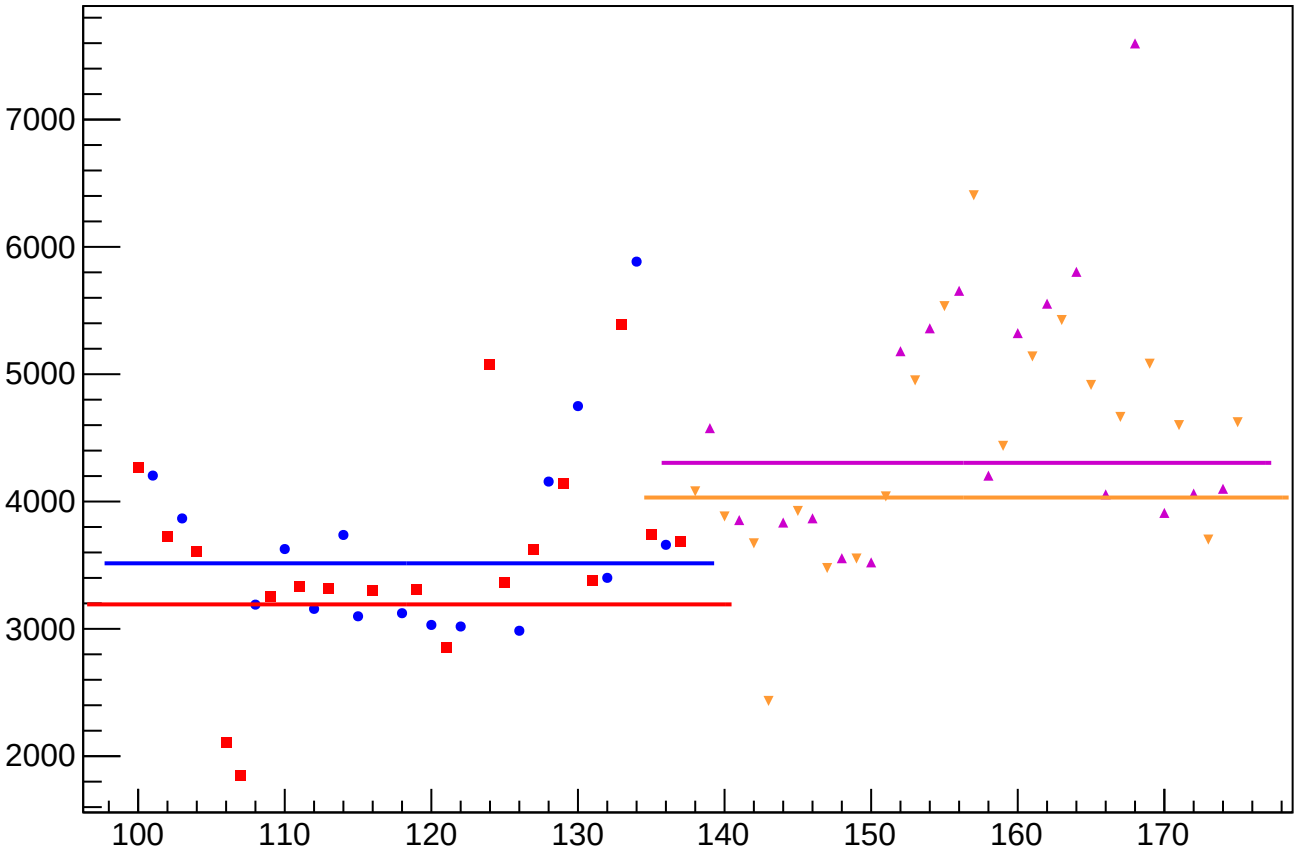
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.147+/-0.198 χ^2/NDF:546670.8/33

Out: 1286.131+/-0.190 χ^2/NDF:422265.2/38

All: 1296.212+/-0.137 χ^2/NDF: 974807.4/72


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -361.243+/-1045.588 χ²/NDF:24.5/19
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -206.543+/-1139.188 χ²/NDF:12.0/17
Left: -290.509+/-770.310 χ²/NDF: 36.5/37
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 256.021+/-864.480 χ²/NDF:26.5/33
Out: -196.422+/-788.324 χ²/NDF:41.4/38
All: 8.997+/-582.496 χ²/NDF: 68.0/72



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

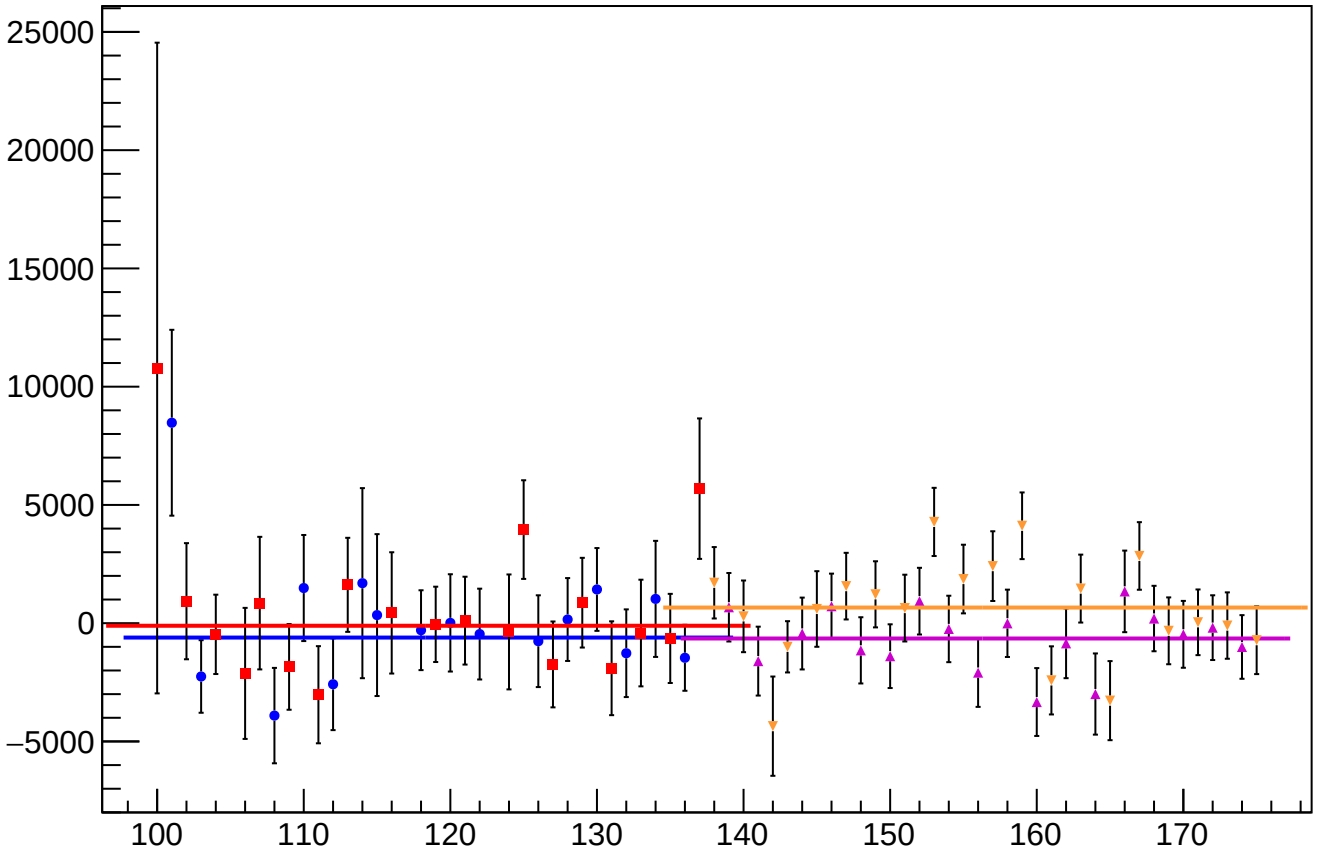
Left: 4156.000+/-0.545 χ^2/NDF: 2675433.6/37

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3969.166+/-0.611 χ^2/NDF:1810578.4/33

Out: 3669.264+/-0.557 χ^2/NDF:2913433.9/38

All: 3805.426+/-0.412 χ^2/NDF: 4855430.0/72



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -647.407+/-339.439 χ^2/NDF:12.5/17

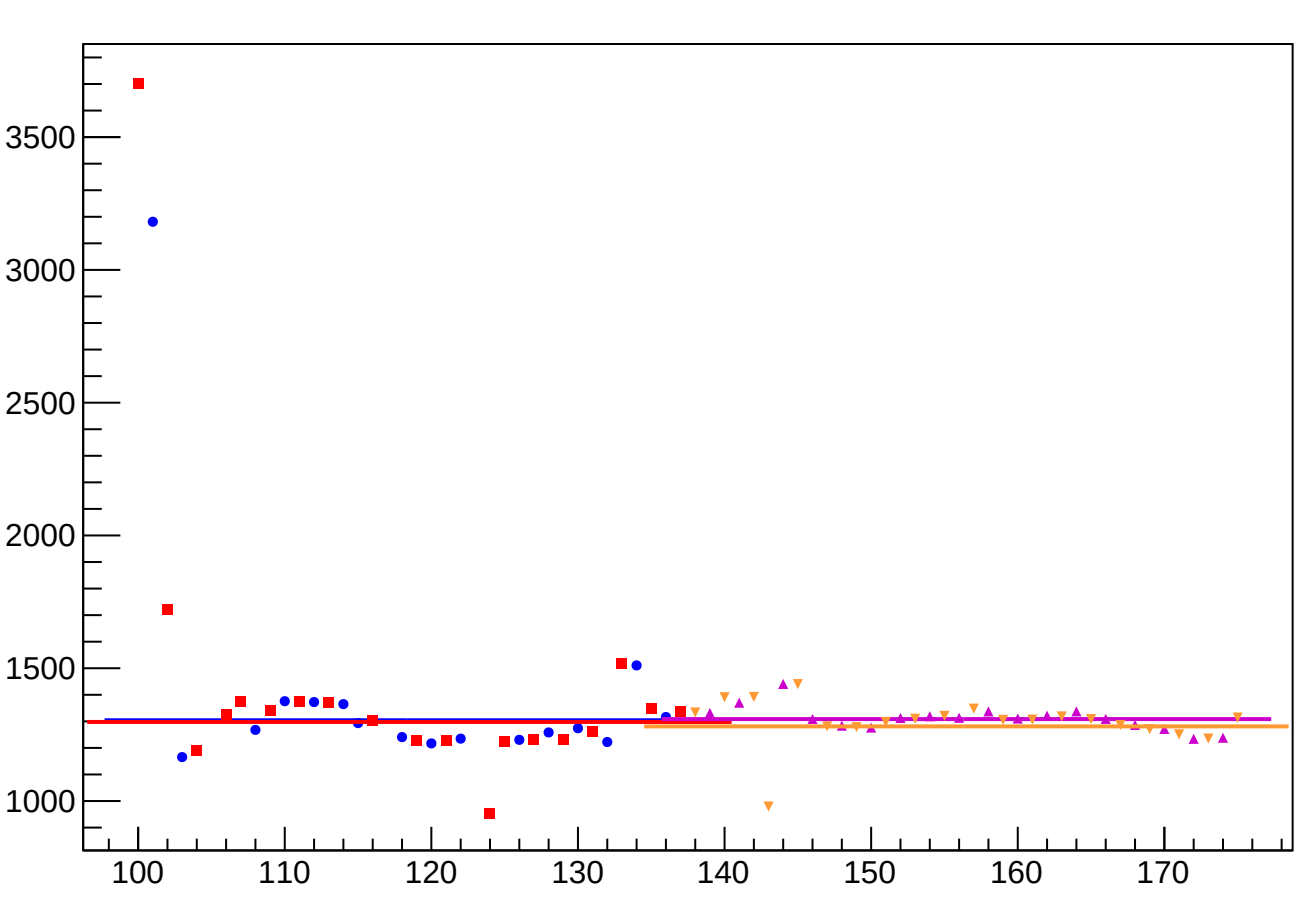
Left: 40.284+/-233.838 χ^2/NDF: 58.6/37

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -634.721+/-279.794 χ^2/NDF:26.6/33

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -83.115+/-193.802 χ^2/NDF: 89.0/72



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

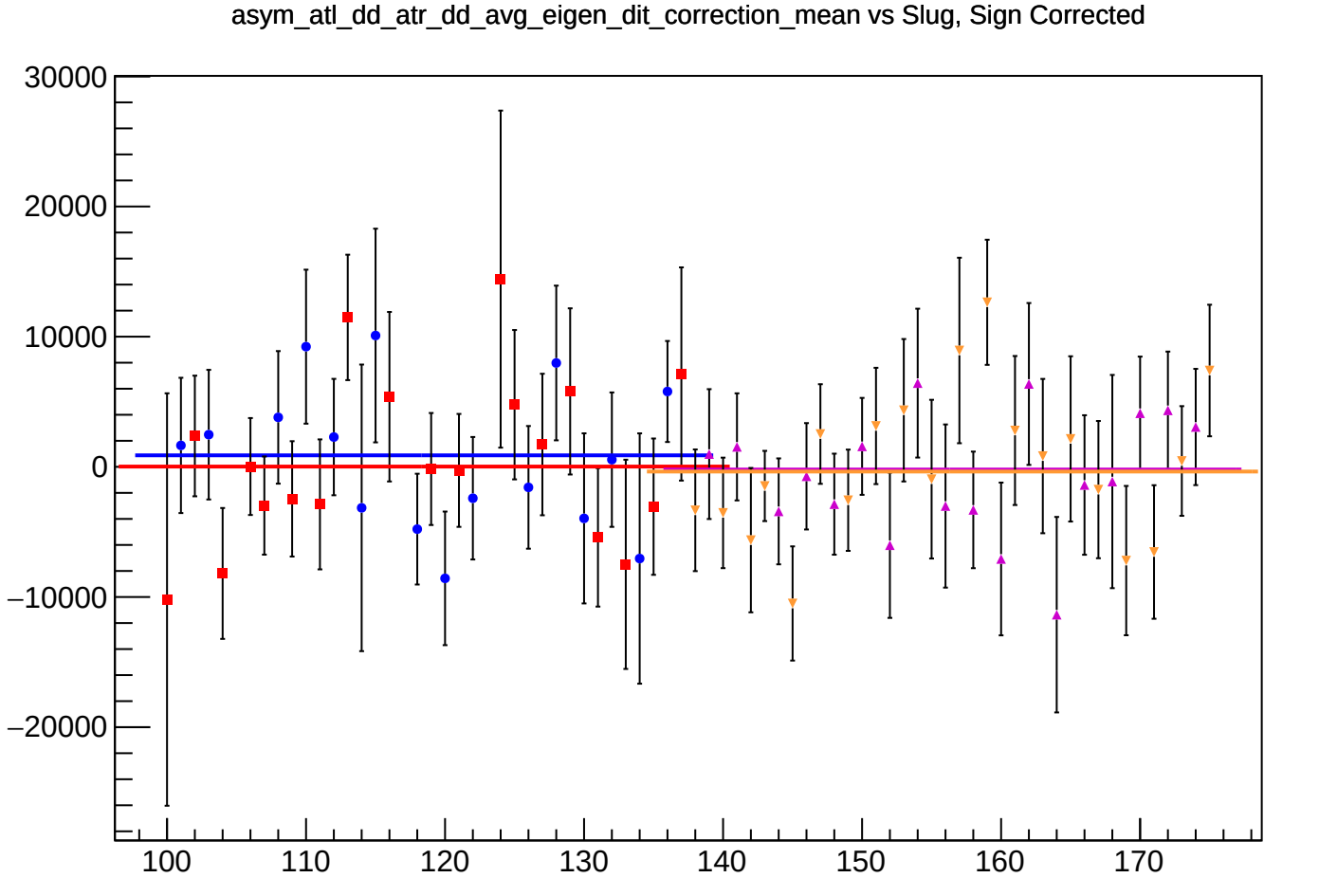
Left: 1294.078+/-0.165 χ^2/NDF: 250425.5/37

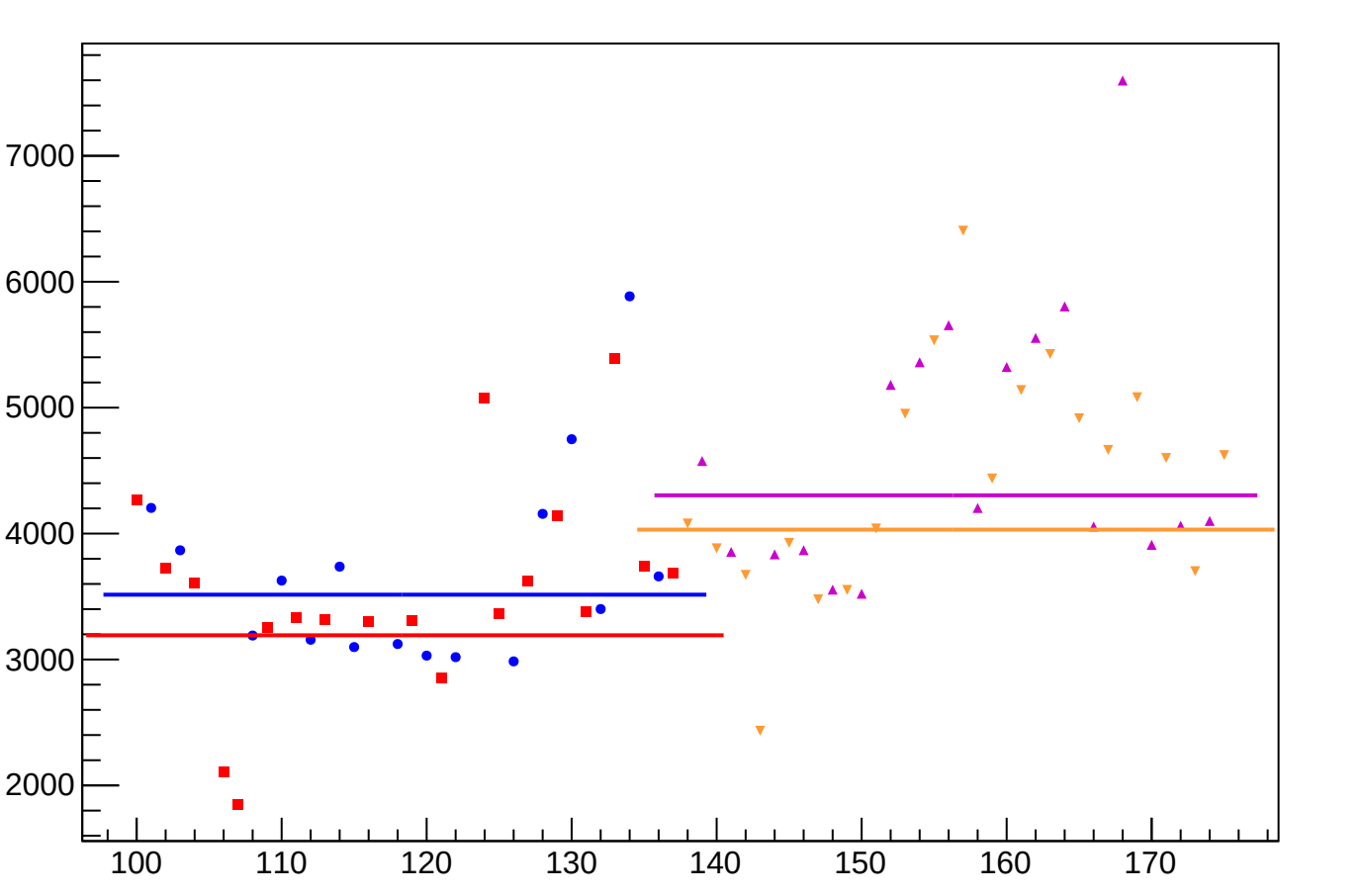
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.148+/-0.198 χ^2/NDF:546672.1/33

Out: 1286.132+/-0.190 χ^2/NDF:422266.4/38

All: 1296.212+/-0.137 χ^2/NDF: 974809.8/72


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -361.241+/-1045.589 χ²/NDF:24.5/19
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -206.542+/-1139.189 χ²/NDF:12.0/17
Left: -290.507+/-770.312 χ²/NDF: 36.5/37
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 256.019+/-864.479 χ²/NDF:26.5/33
Out: -196.421+/-788.324 χ²/NDF:41.4/38
All: 8.996+/-582.496 χ²/NDF: 68.0/72



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

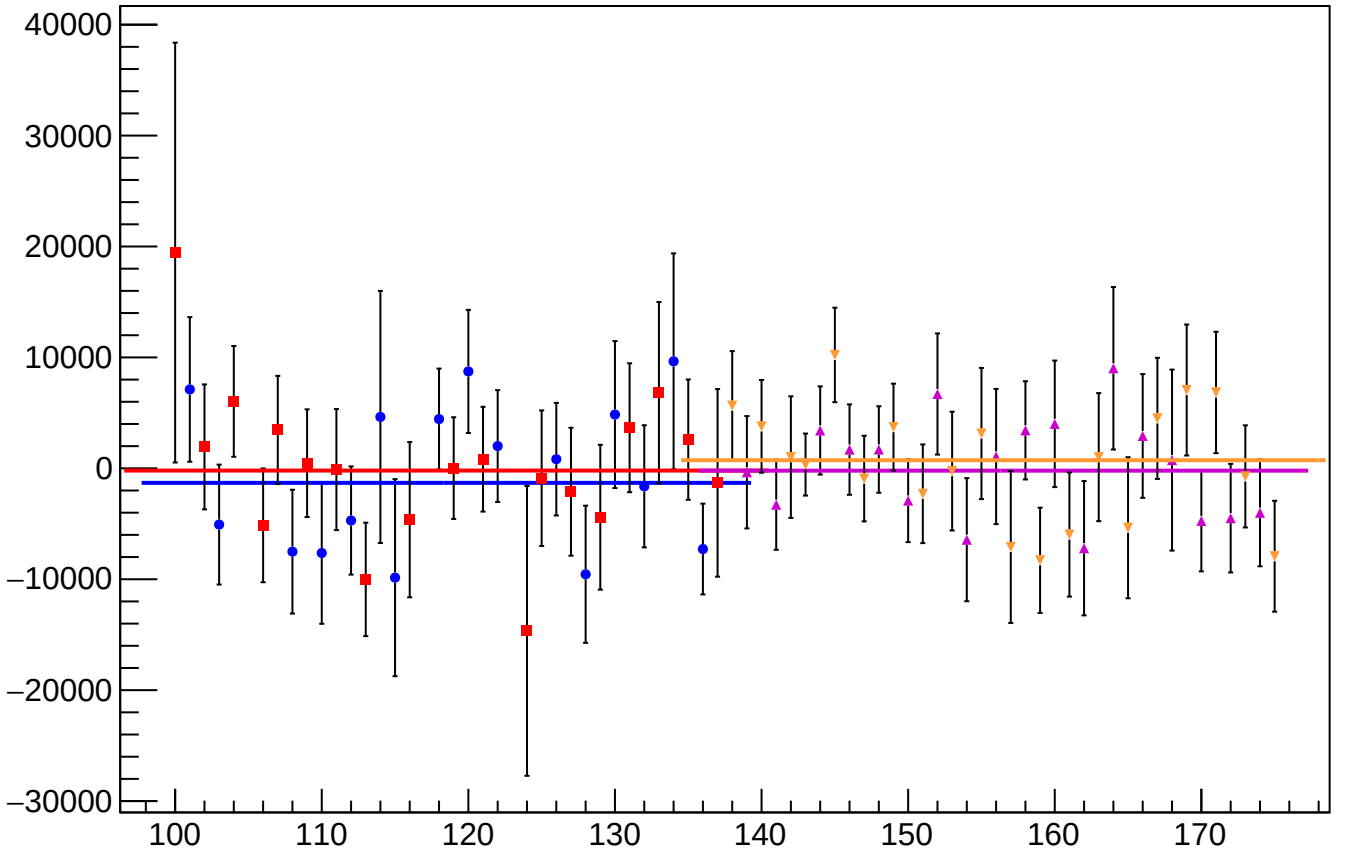
Left: 4156.006+/-0.545 χ^2/NDF: 2675436.5/37

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3969.164+/-0.611 χ^2/NDF:1810601.1/33

Out: 3669.263+/-0.557 χ^2/NDF:2913456.8/38

All: 3805.424+/-0.412 χ^2/NDF: 4855475.3/72



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -210.269+/-1146.548 χ^2/NDF:12.1/17

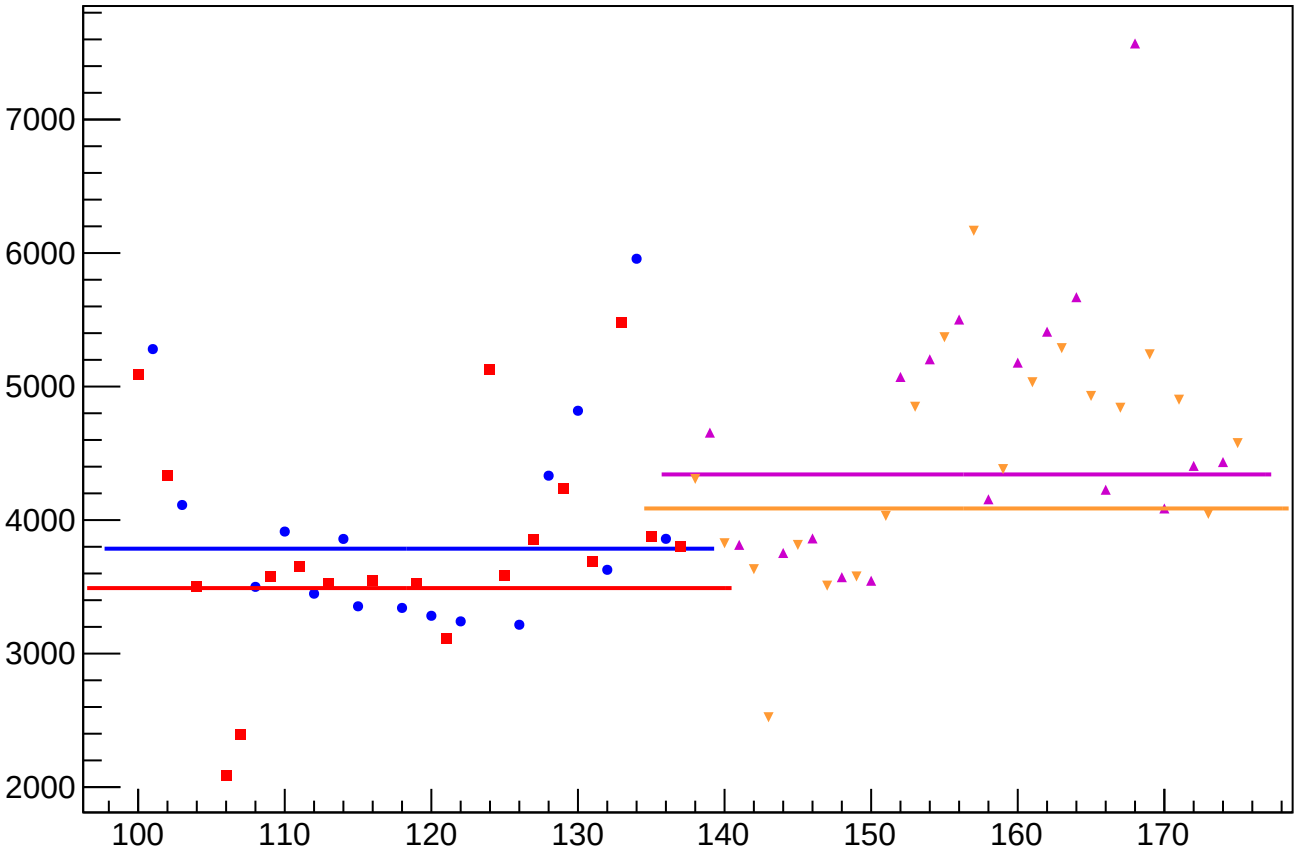
Left: 298.824+/-776.774 χ^2/NDF: 33.7/37

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -639.748+/-894.923 χ^2/NDF:30.1/33

Out: 372.224+/-828.503 χ^2/NDF:33.1/38

All: -94.819+/-607.967 χ^2/NDF: 63.9/72



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

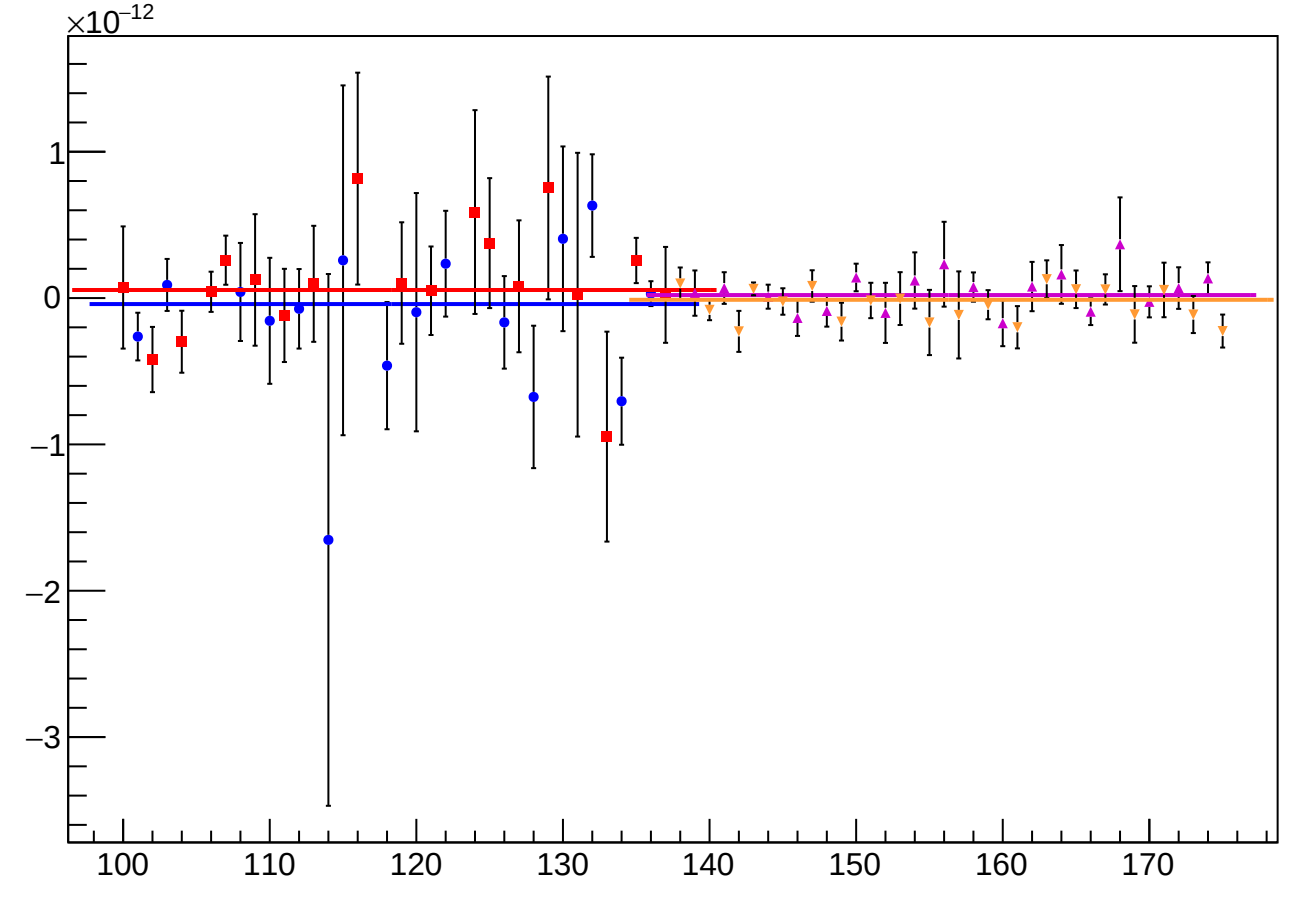
Left: 4203.961+/-0.549 χ^2/NDF: 2409477.7/37

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4124.557+/-0.633 χ^2/NDF:1500307.3/33

Out: 3853.764+/-0.583 χ^2/NDF:2258643.6/38

All: 3978.024+/-0.429 χ^2/NDF: 3858041.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/17

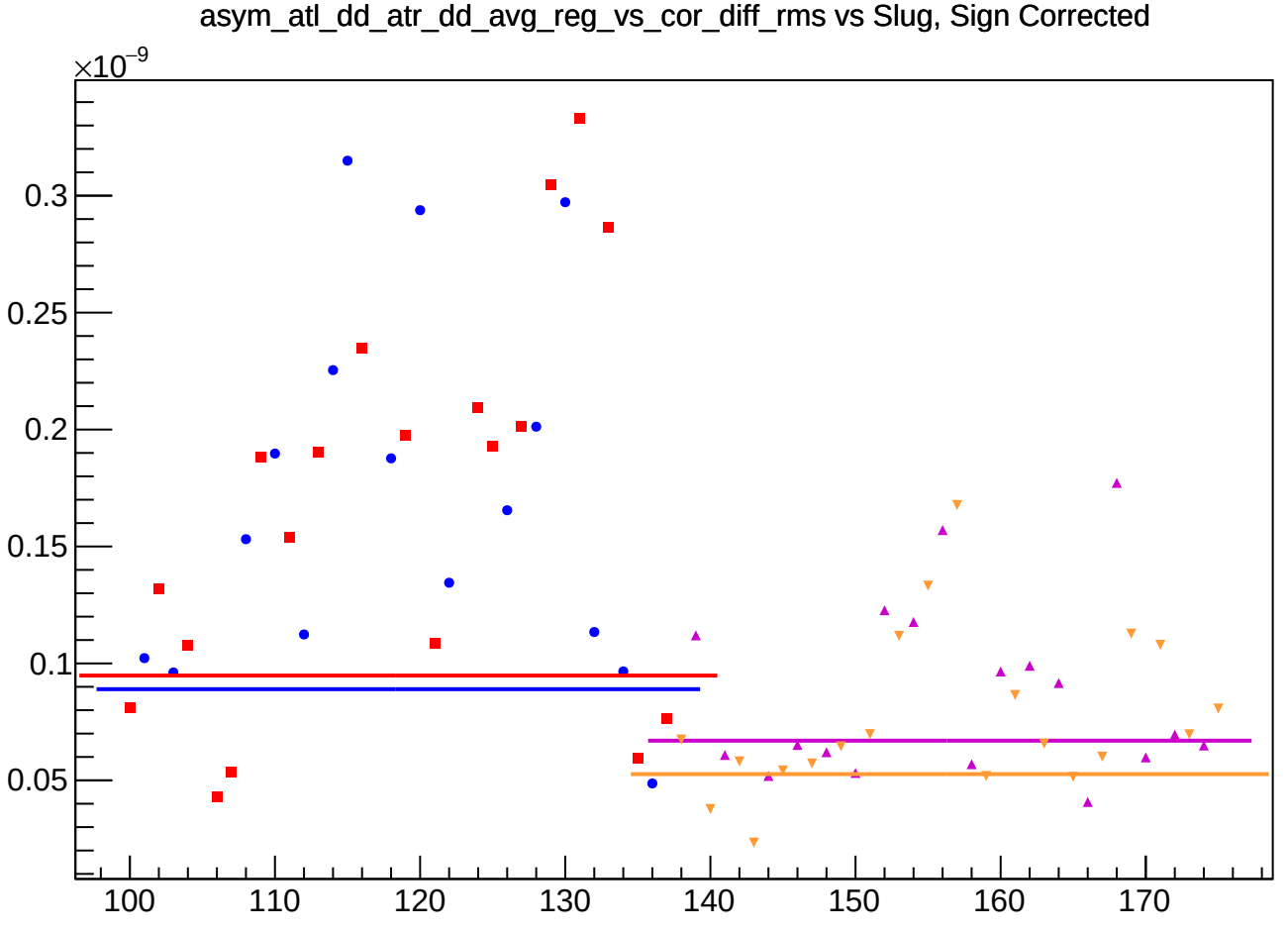
Left: 0.000+/-0.000 χ^2/NDF: 31.2/37

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/33

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 65.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4186061.2/37

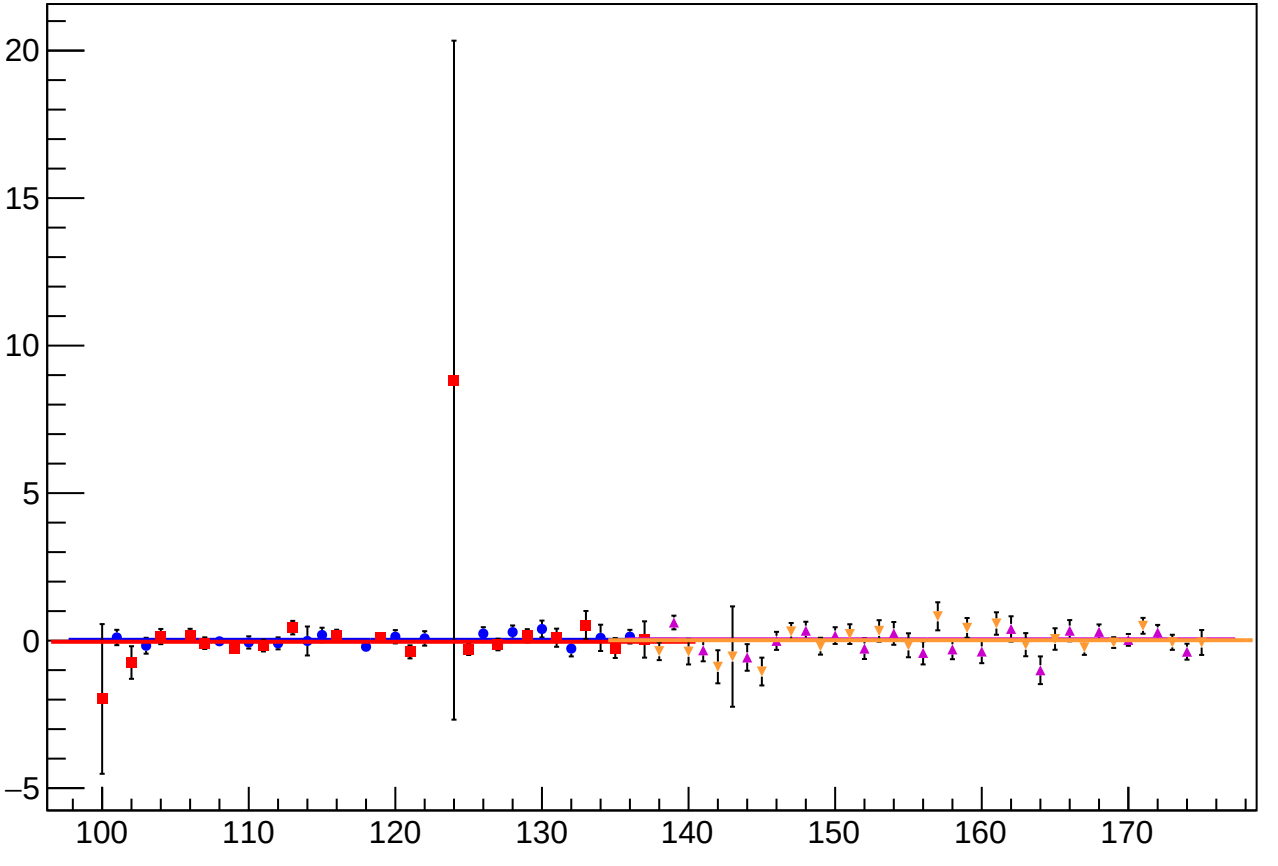
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3059842.5/33

Out: 0.000+/-0.000 χ^2/NDF:5021382.3/38

All: 0.000+/-0.000 χ^2/NDF: 8397999.2/72

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

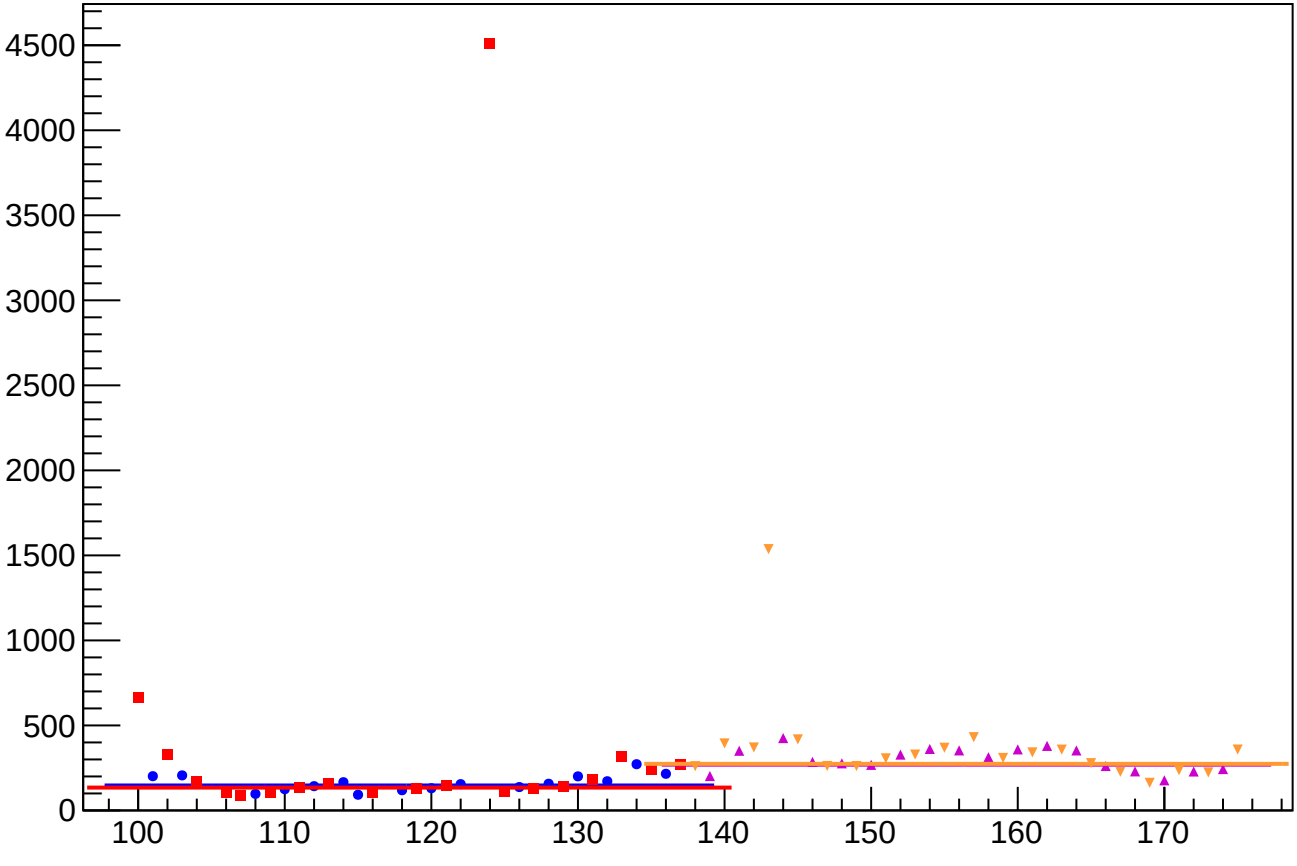
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 271.621+/-0.037 χ^2/NDF: 4743543.0/37

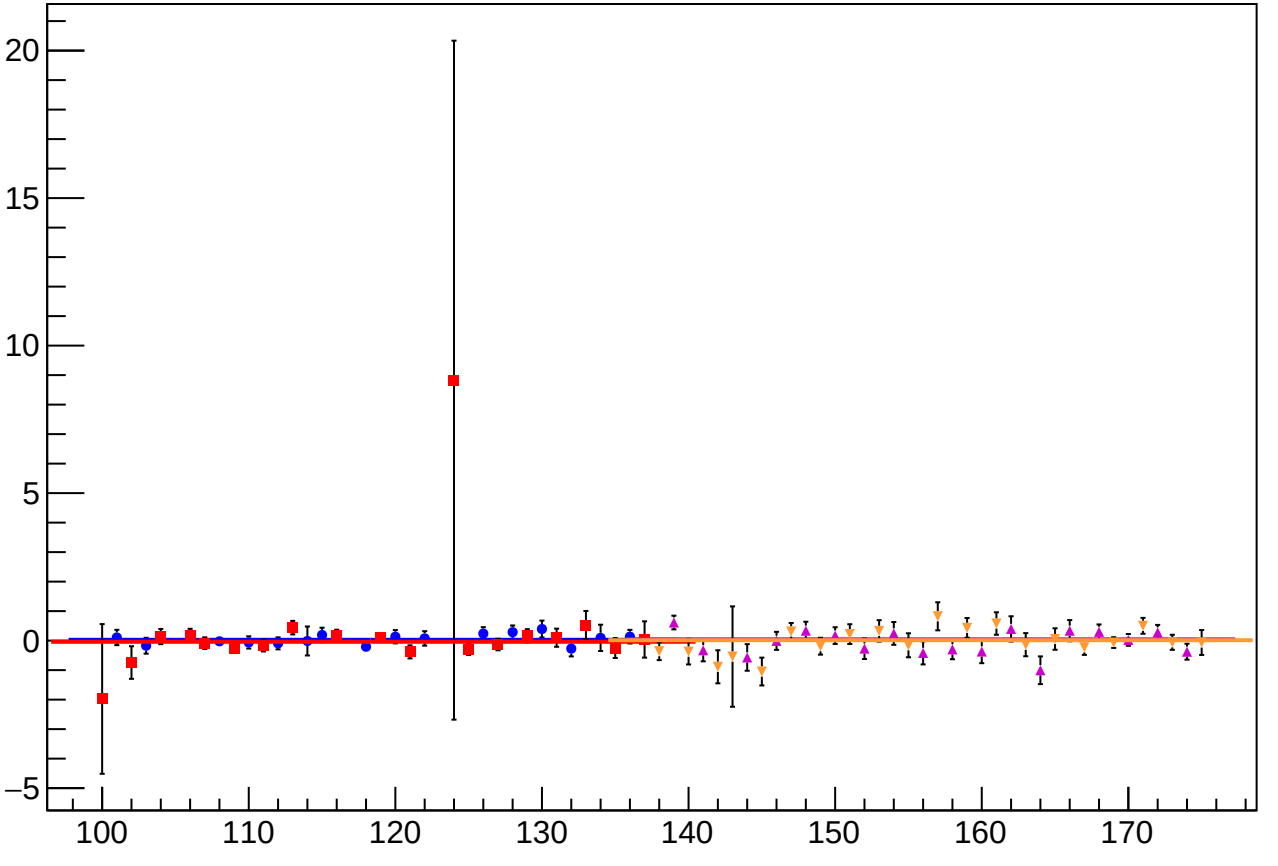
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

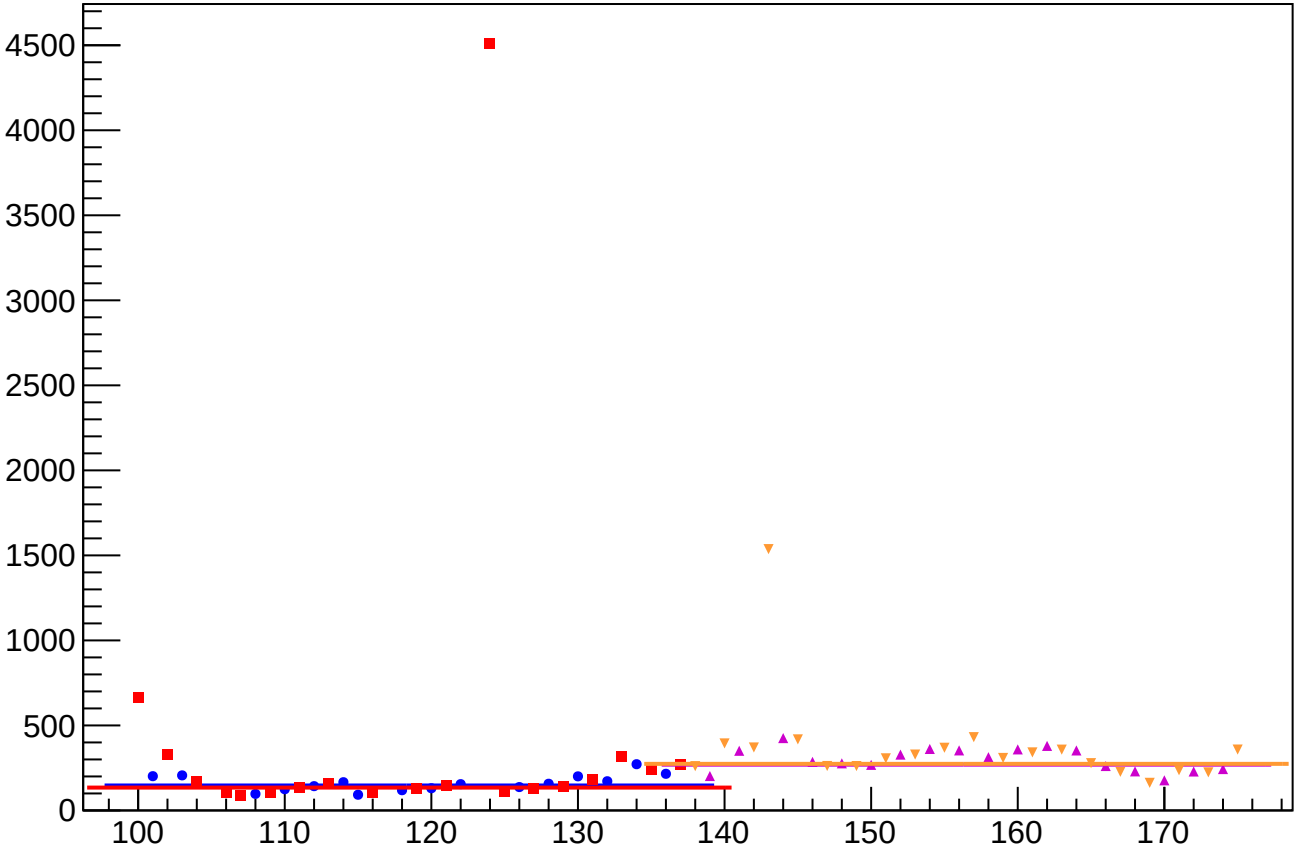
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

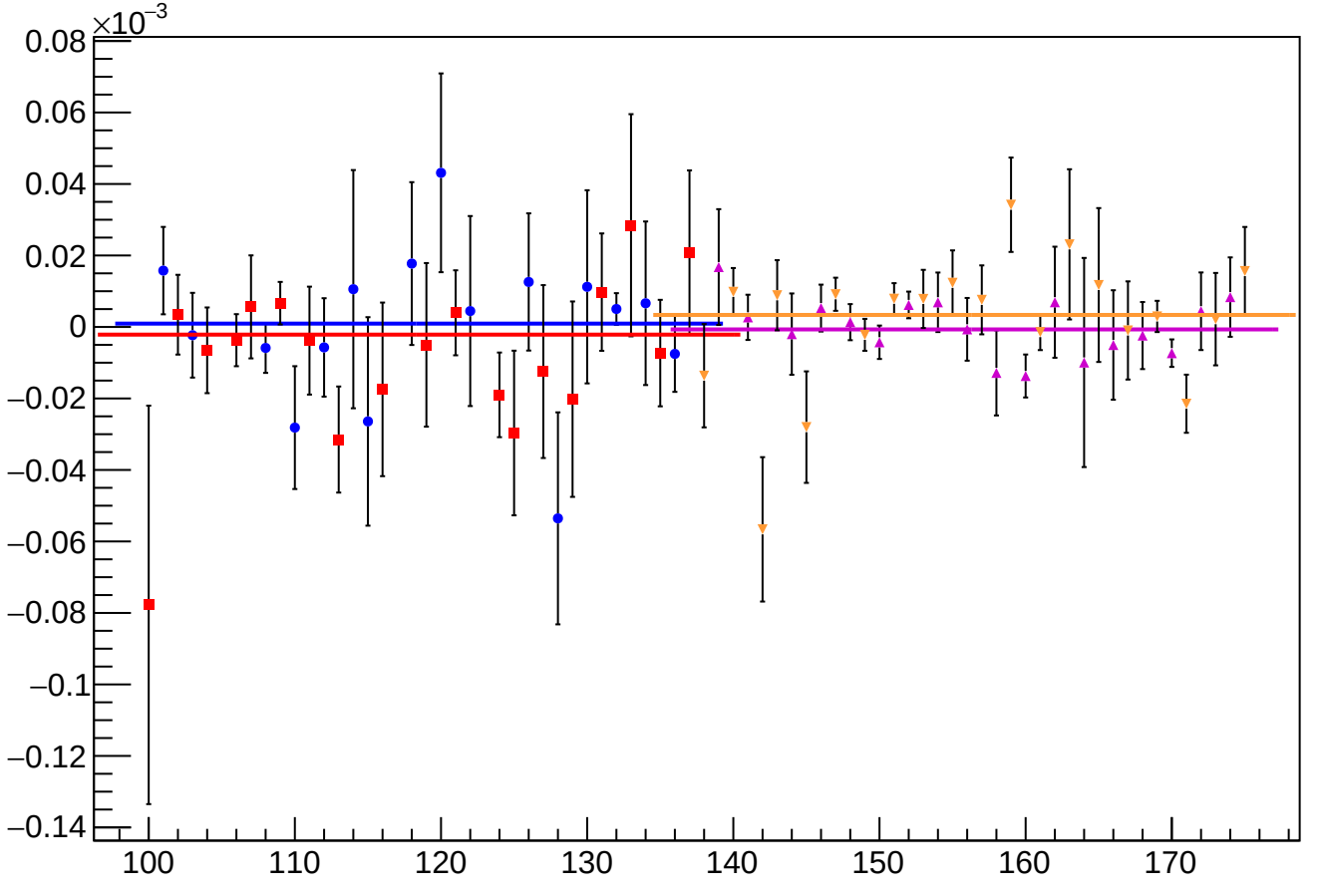
Left: 271.621+/-0.037 χ^2/NDF: 4743543.0/37

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

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

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

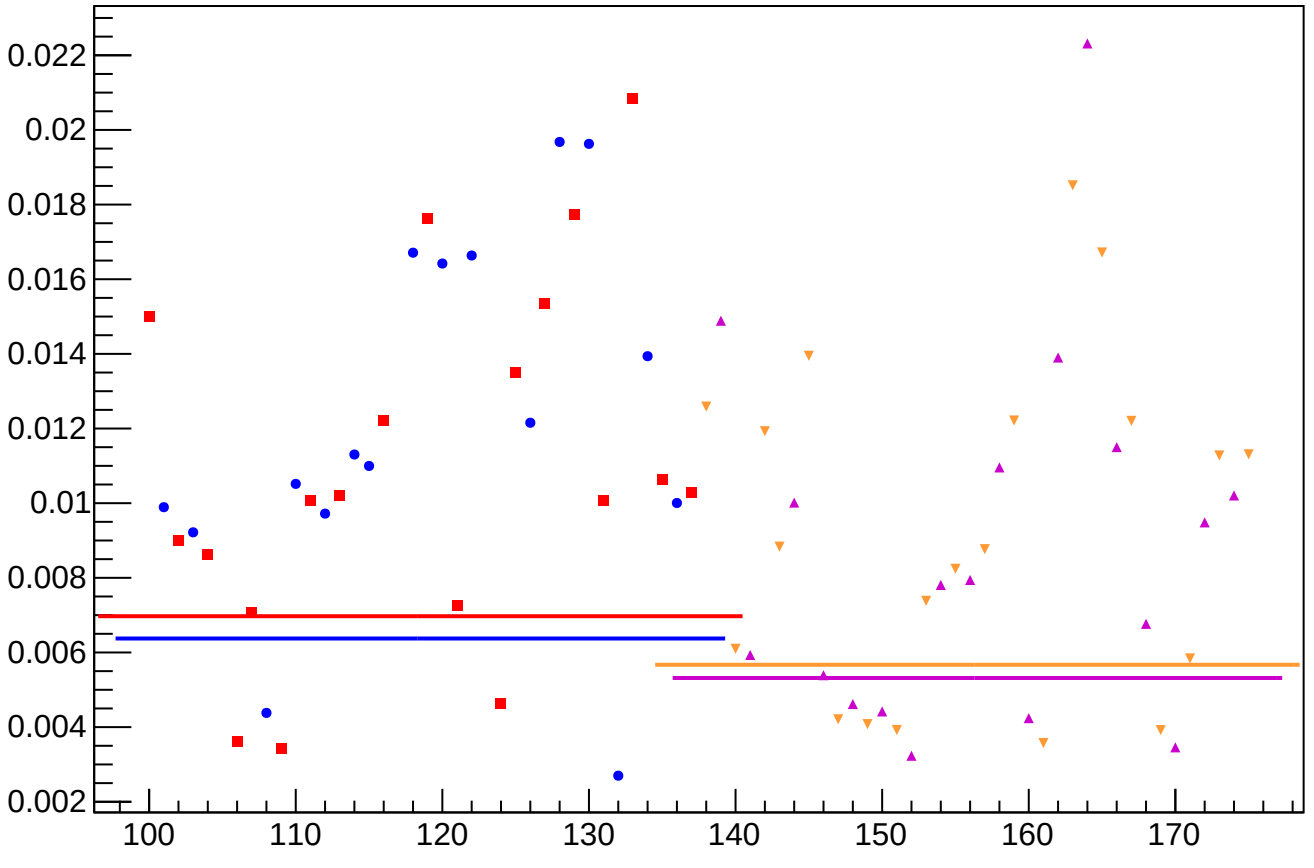
Left: 0.000+/-0.000 χ^2/NDF: 59.4/37

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.4/33

Out: 0.000+/-0.000 χ^2/NDF:57.6/38

All: 0.000+/-0.000 χ^2/NDF: 91.4/72



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

Left: 0.005+/-0.000 χ^2/NDF: 11860298.1/37

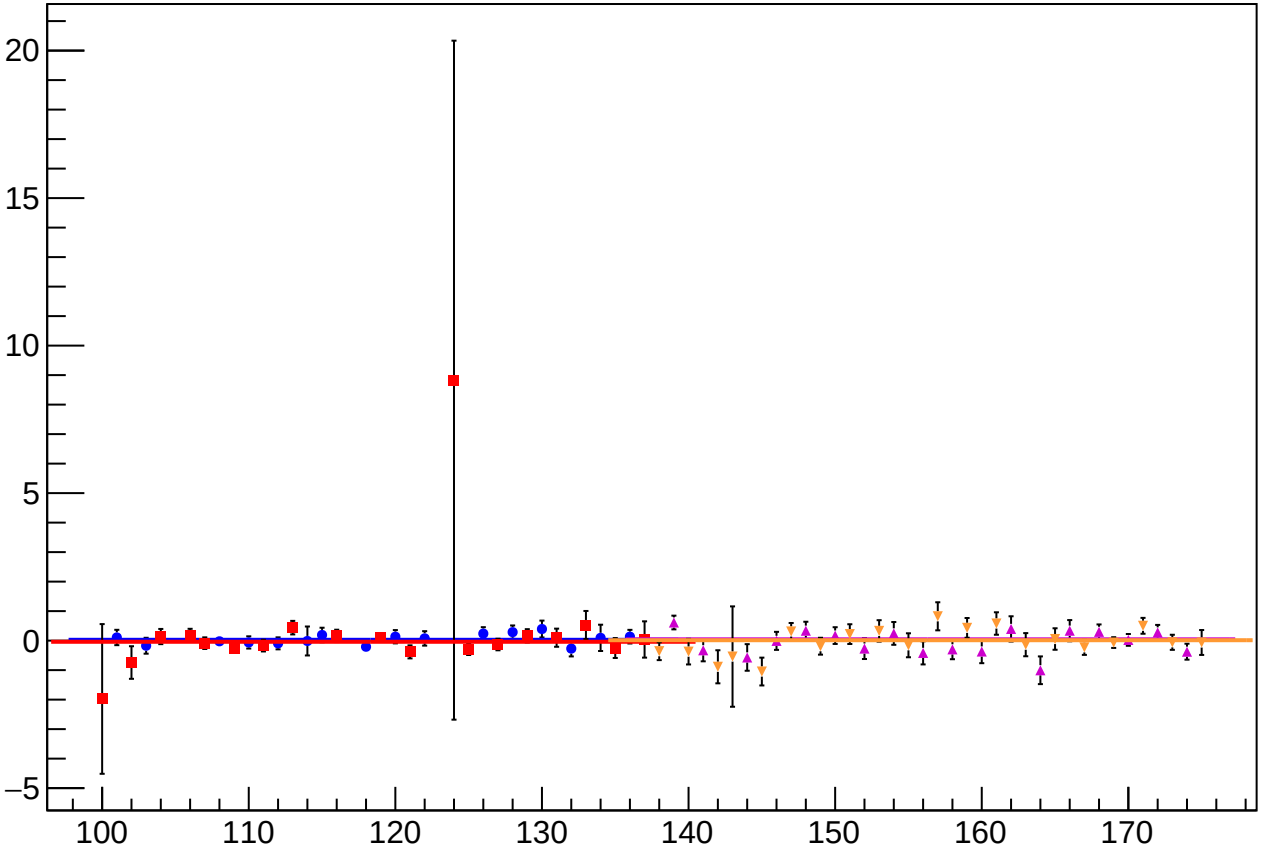
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10314569.2/33

Out: 0.006+/-0.000 χ^2/NDF:10035464.8/38

All: 0.006+/-0.000 χ^2/NDF: 20431261.5/72

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

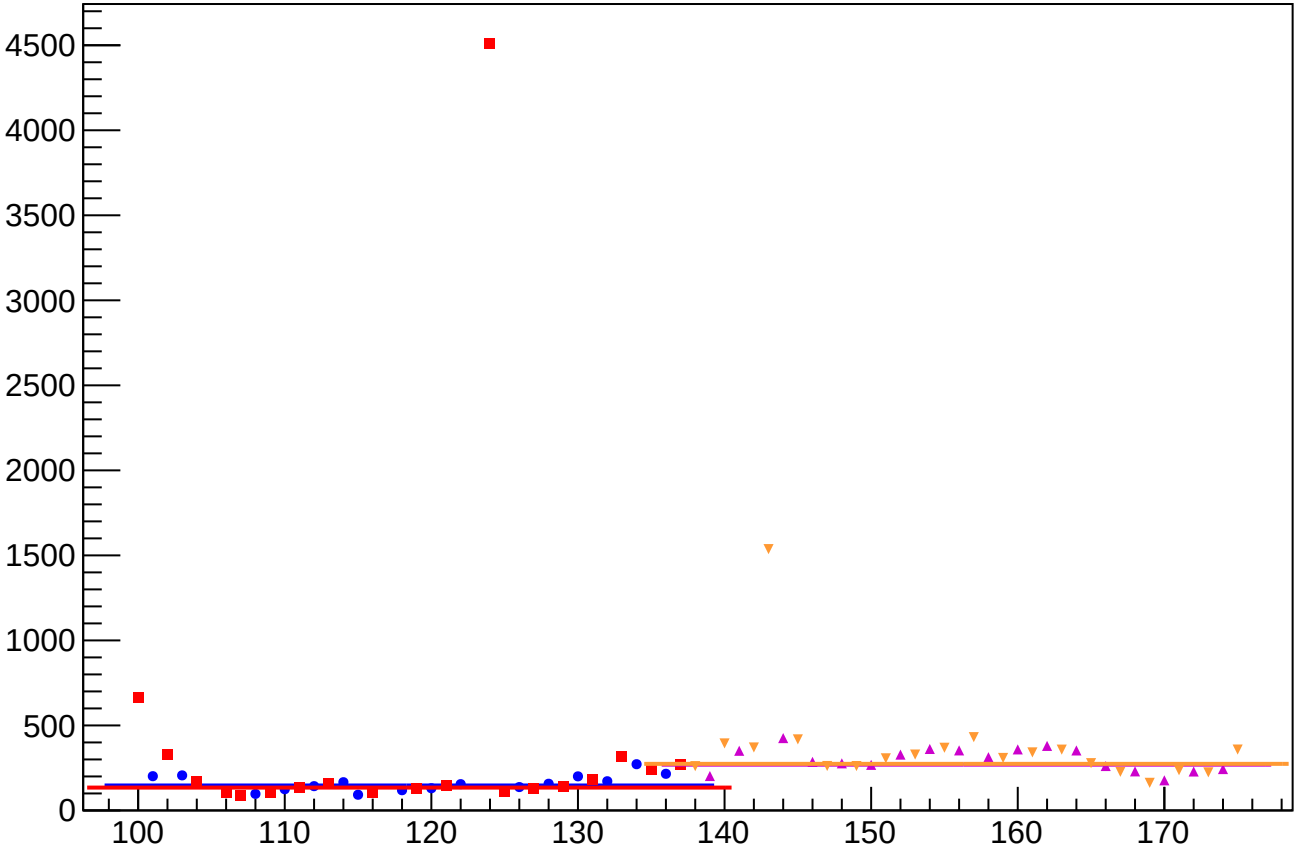
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

Left: 271.622+/-0.037 χ^2/NDF: 4743742.3/37

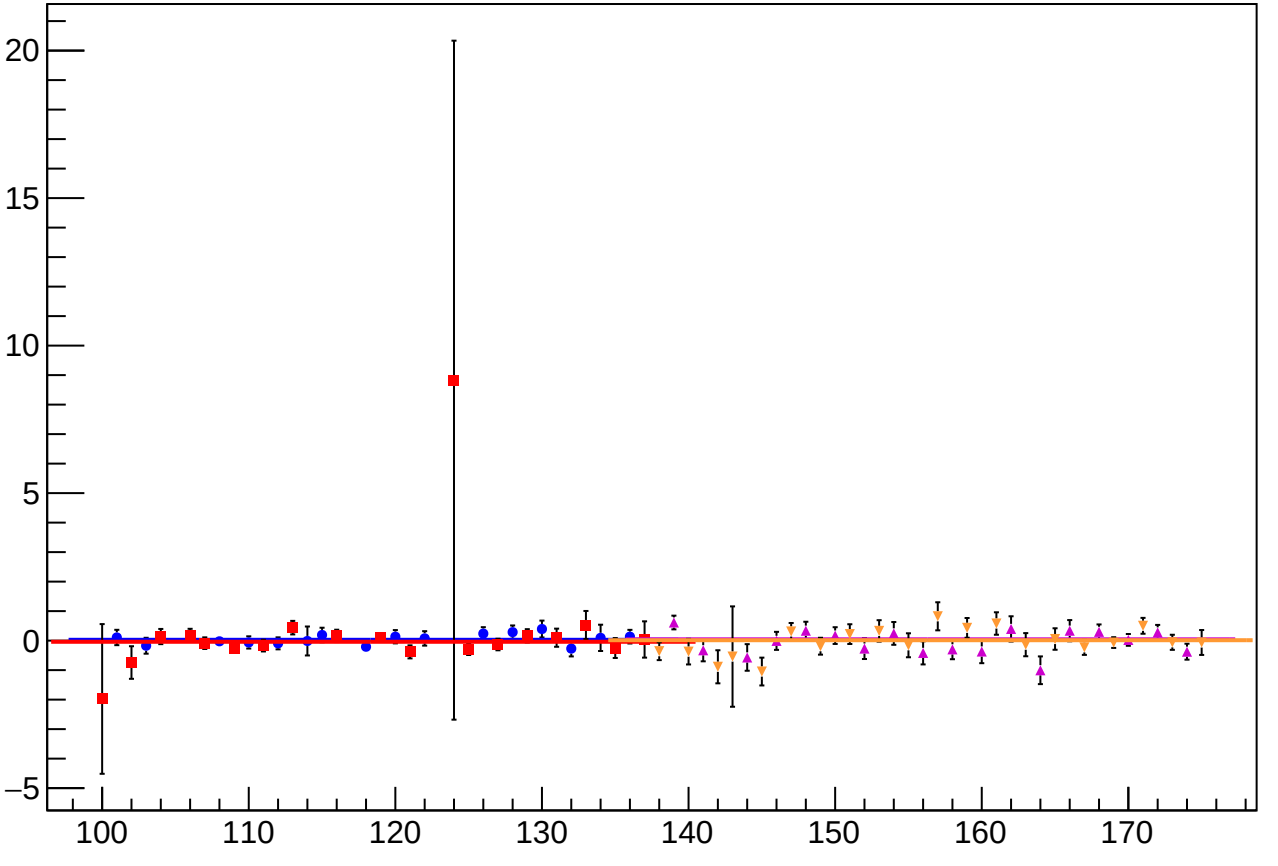
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

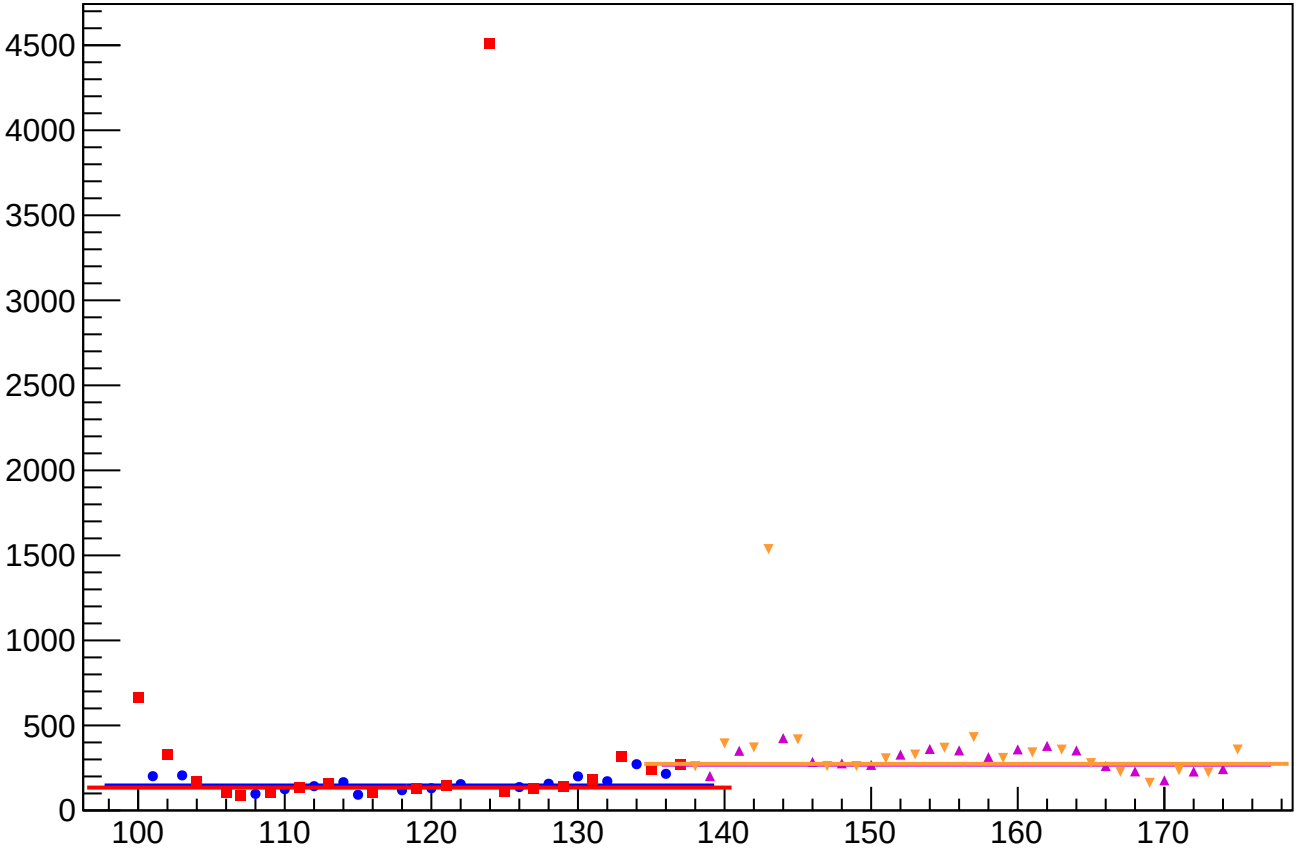
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

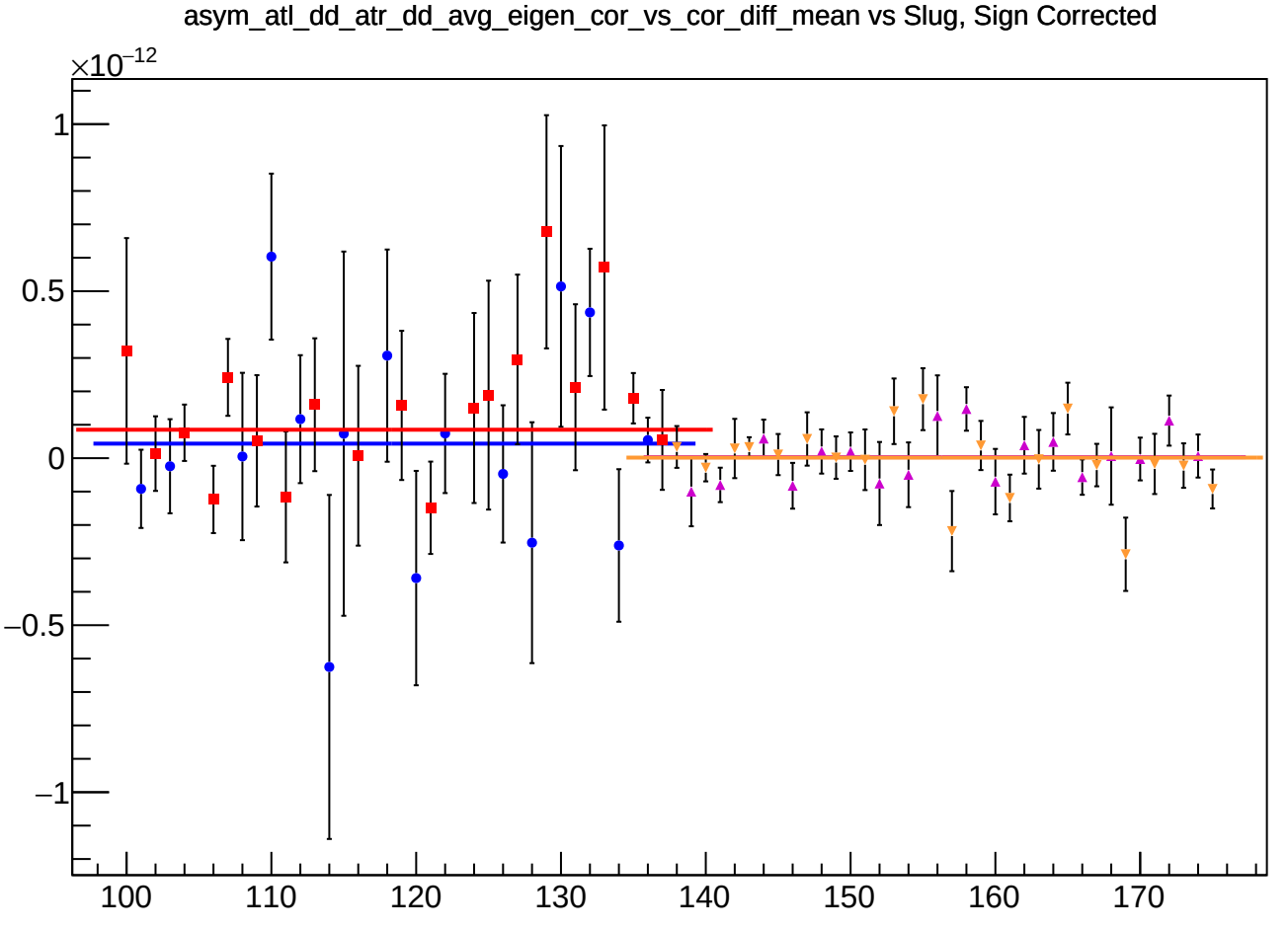
Left: 271.622+/-0.037 χ^2/NDF: 4743742.3/37

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

Left: 0.000+/-0.000 χ^2/NDF: 45.5/37

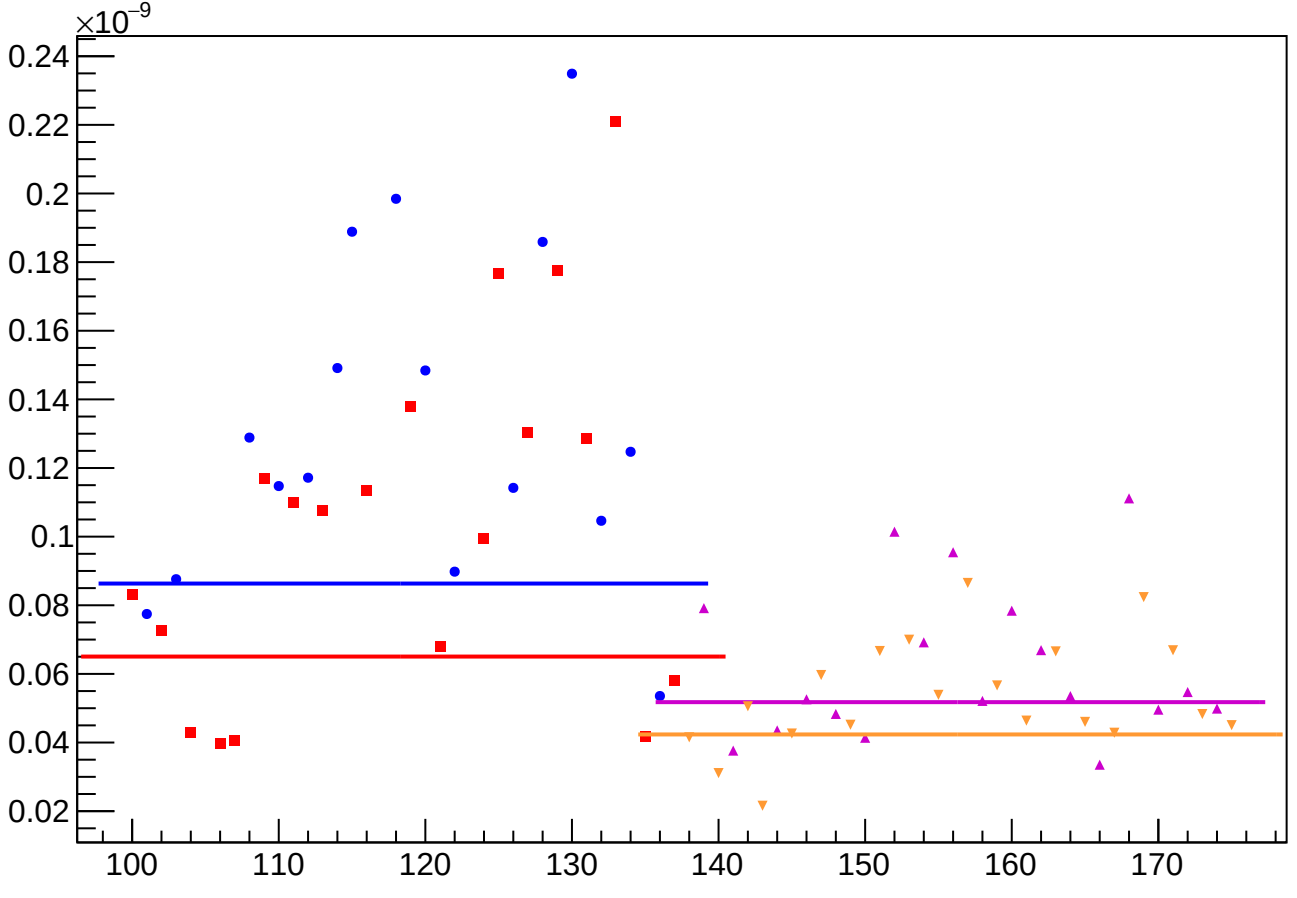
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/33

Out: 0.000+/-0.000 χ^2/NDF:51.4/38

All: 0.000+/-0.000 χ^2/NDF: 88.6/72

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

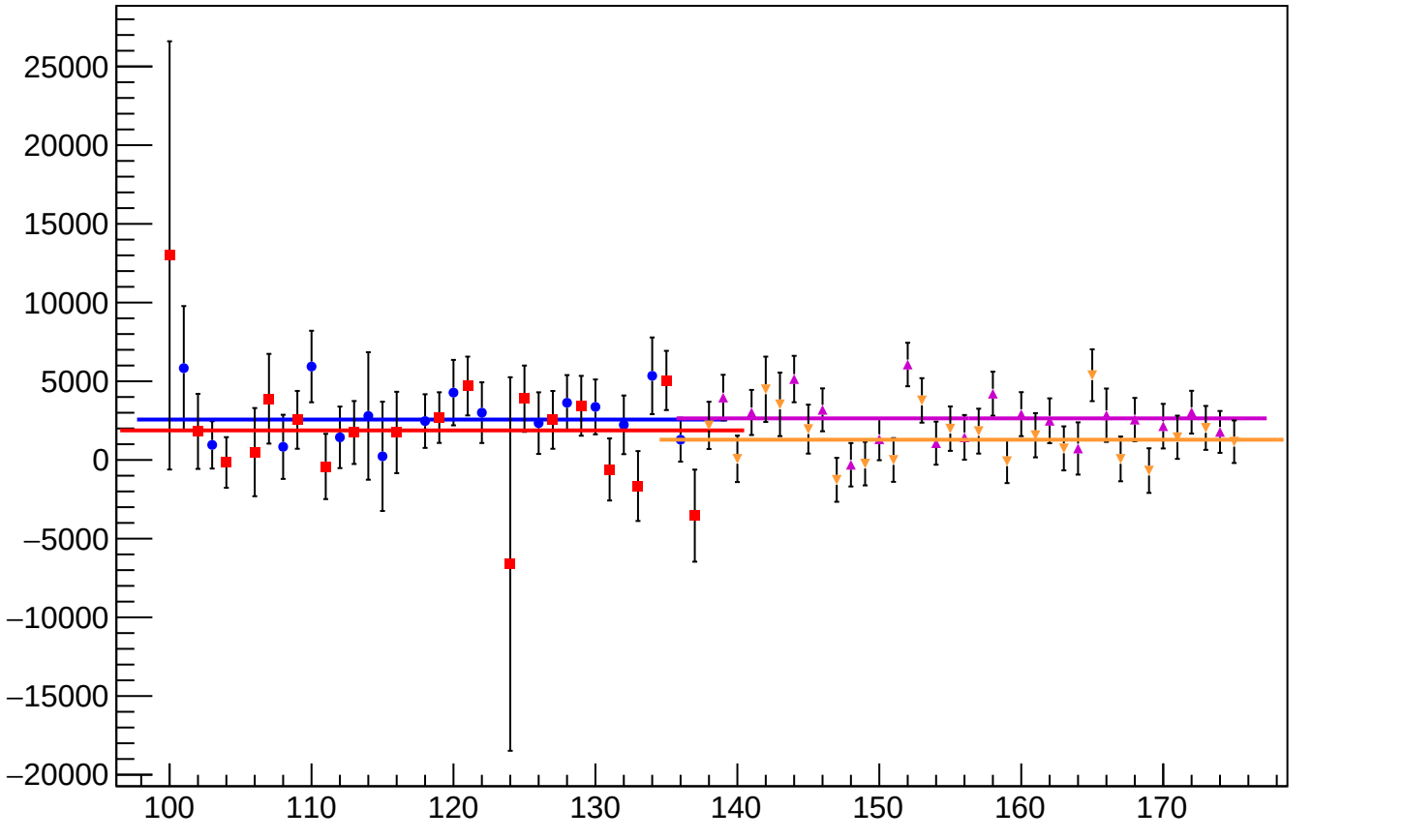
Left: 0.000+/-0.000 χ^2/NDF: 4716549.7/37

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4528513.2/33

Out: 0.000+/-0.000 χ^2/NDF:5432059.3/38

All: 0.000+/-0.000 χ^2/NDF: 10504649.2/72



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.257+/-327.327 χ^2/NDF:24.1/19

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2641.873+/-334.098 χ^2/NDF:20.9/17

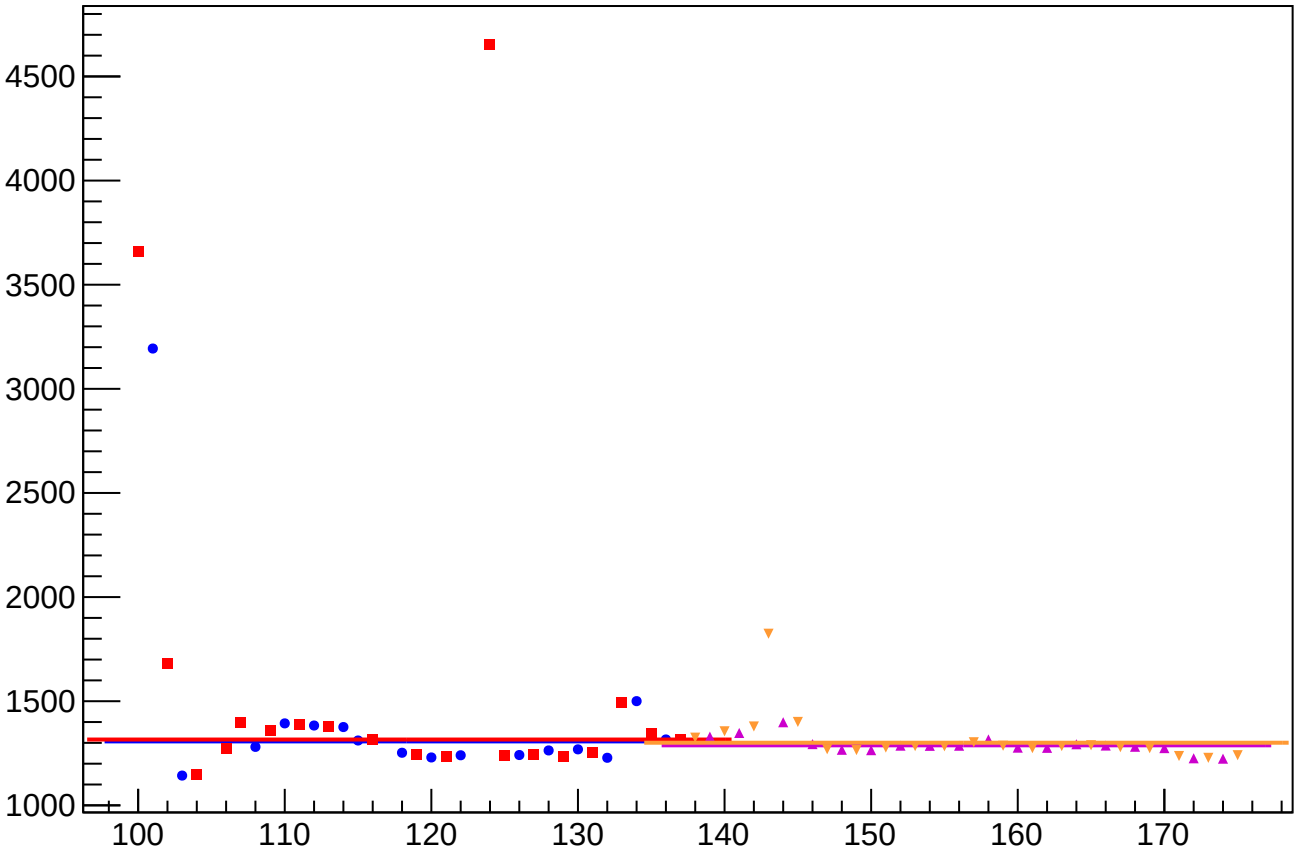
Left: 1950.700+/-233.813 χ^2/NDF: 53.4/37

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2618.607+/-276.988 χ^2/NDF:30.0/33

Out: 1467.135+/-272.984 χ^2/NDF:44.6/38

All: 2034.490+/-194.429 χ^2/NDF: 83.4/72



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

Left: 1294.579+/-0.165 χ^2/NDF: 197422.2/37

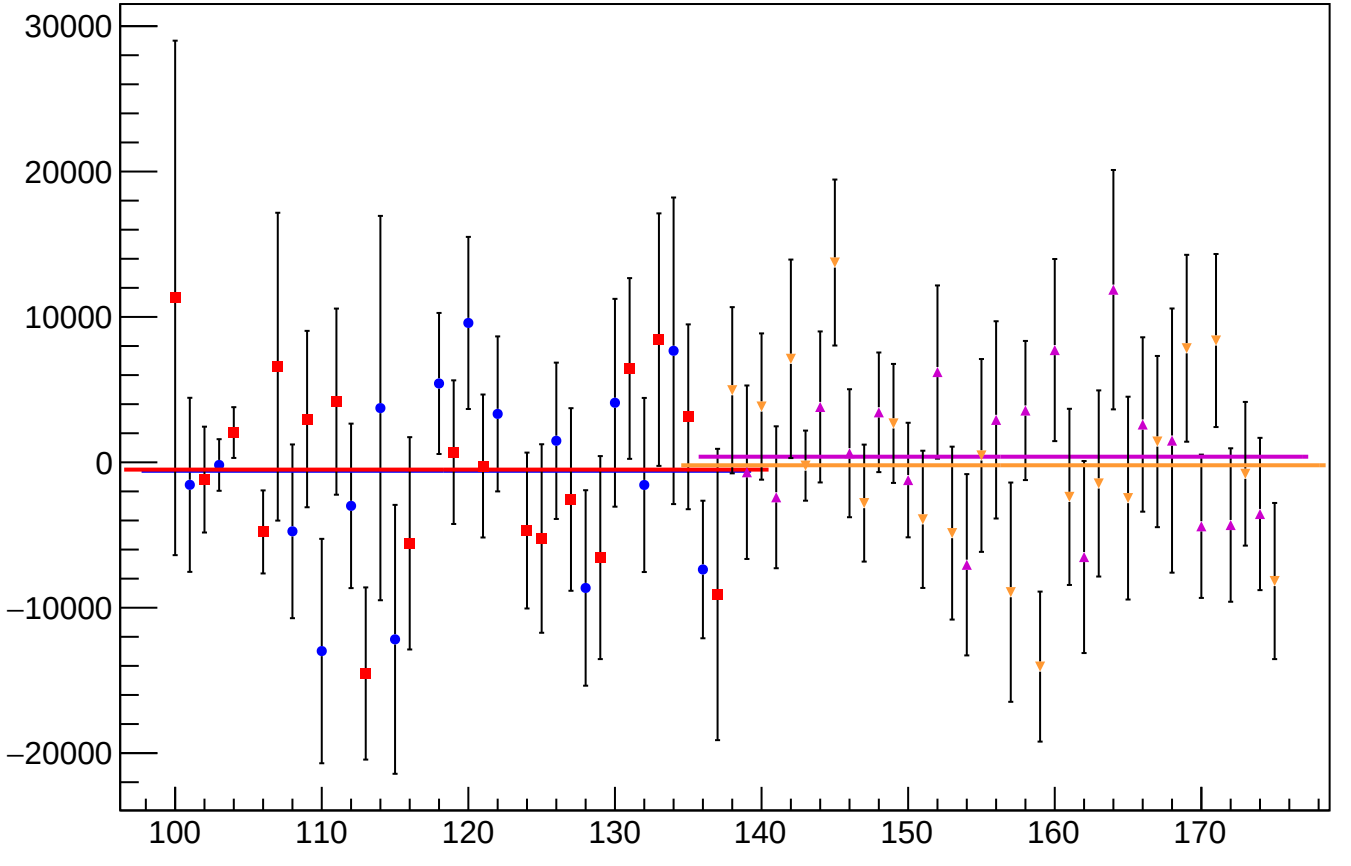
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1294.107+/-0.196 χ^2/NDF:545942.4/33

Out: 1305.370+/-0.193 χ^2/NDF:496053.8/38

All: 1299.825+/-0.137 χ^2/NDF: 1043674.8/72

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -202.369+/-1120.824 χ^2/NDF:25.5/19

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 386.685+/-1271.793 χ^2/NDF:11.3/17

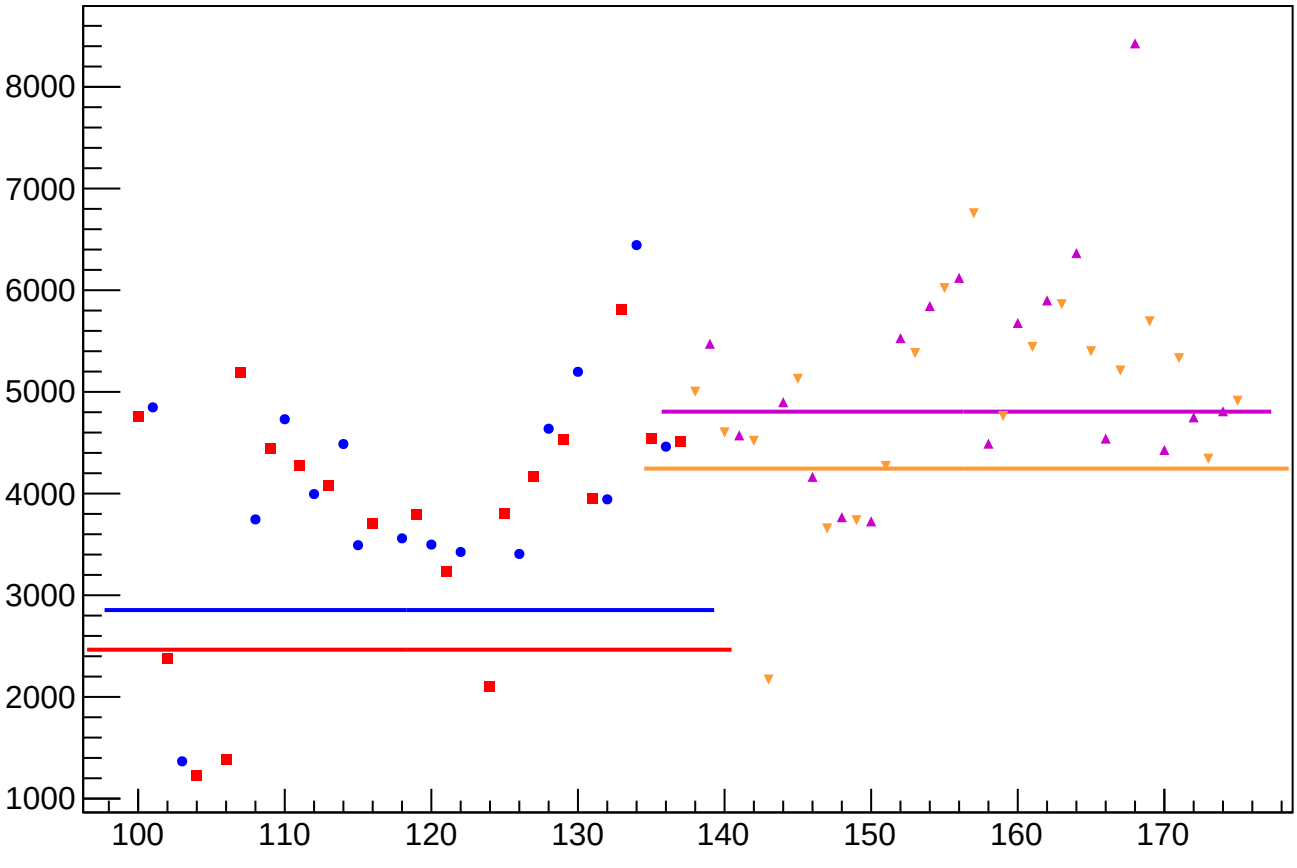
Left: 55.137+/-840.877 χ^2/NDF: 36.9/37

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -128.536+/-870.047 χ^2/NDF:26.4/33

Out: -360.171+/-768.382 χ^2/NDF:43.2/38

All: -258.672+/-575.934 χ^2/NDF: 69.6/72



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4245.569+/-0.793 χ^2/NDF:2622986.4/19

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4805.694+/-0.899 χ^2/NDF:1018175.9/17

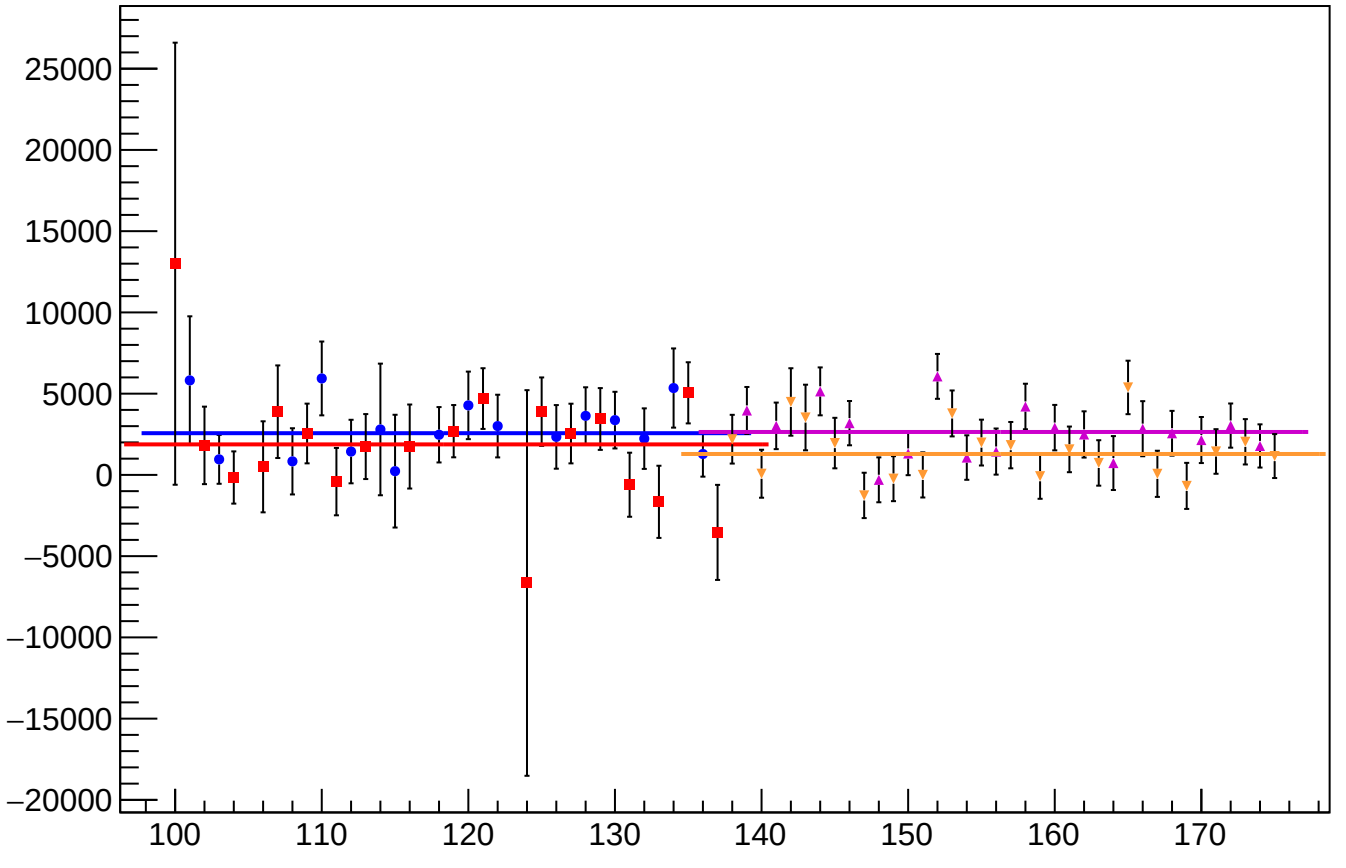
Left: 4490.429+/-0.595 χ^2/NDF: 3859514.8/37

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3767.567+/-0.615 χ^2/NDF:6427911.4/33

Out: 3301.616+/-0.543 χ^2/NDF:8655410.6/38

All: 3505.790+/-0.407 χ^2/NDF: 15405589.1/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2641.889+/-334.098 χ^2/NDF:20.9/17

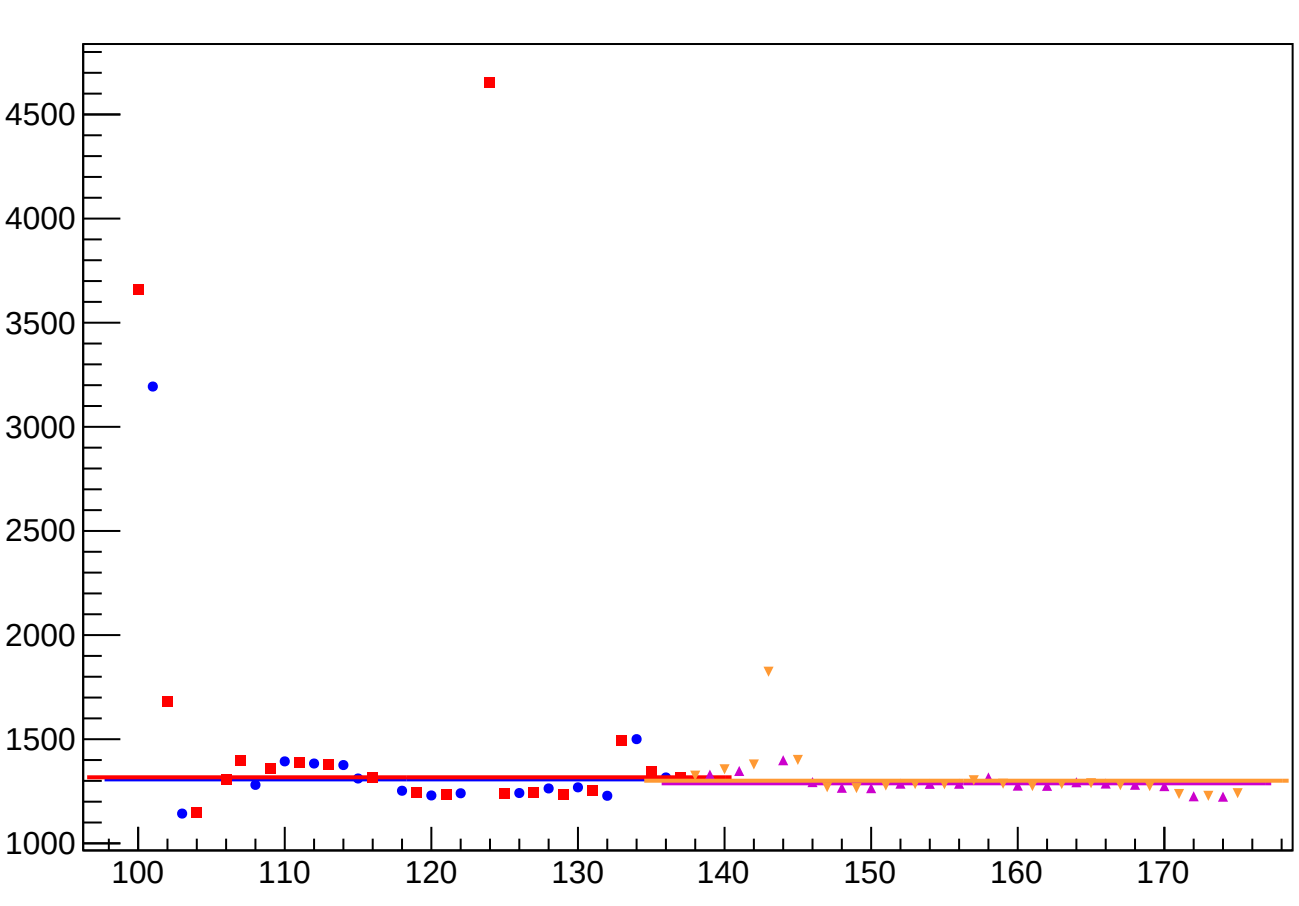
Left: 1950.681+/-233.813 χ^2/NDF: 53.4/37

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2618.531+/-276.988 χ^2/NDF:30.0/33

Out: 1467.021+/-272.984 χ^2/NDF:44.6/38

All: 2034.394+/-194.429 χ^2/NDF: 83.4/72



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

Left: 1294.579+/-0.165 χ^2/NDF: 197422.2/37

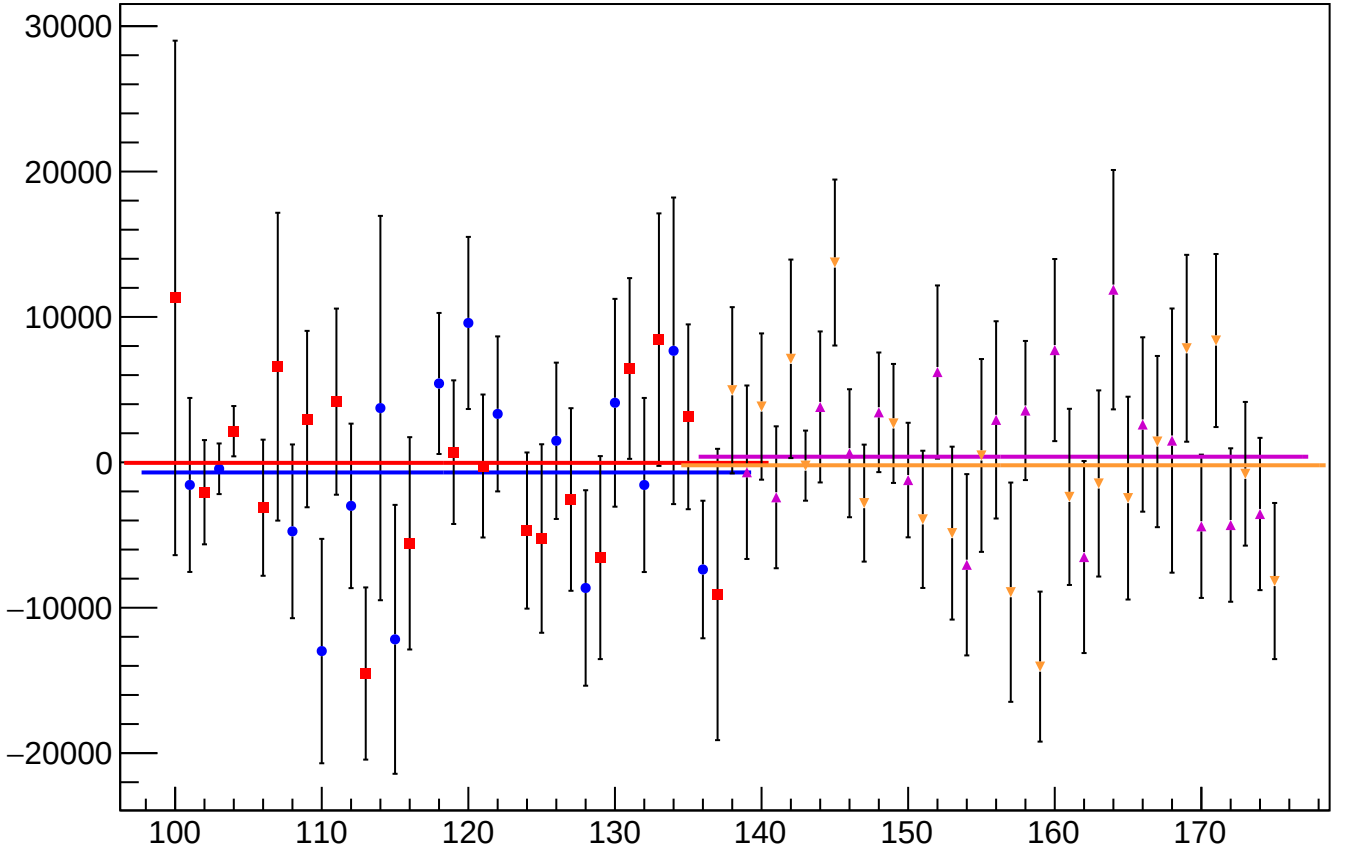
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1294.107+/-0.196 χ^2/NDF:545943.8/33

Out: 1305.709+/-0.193 χ^2/NDF:495763.4/38

All: 1299.996+/-0.137 χ^2/NDF: 1043488.2/72

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 386.746+/-1271.793 χ^2/NDF:11.3/17

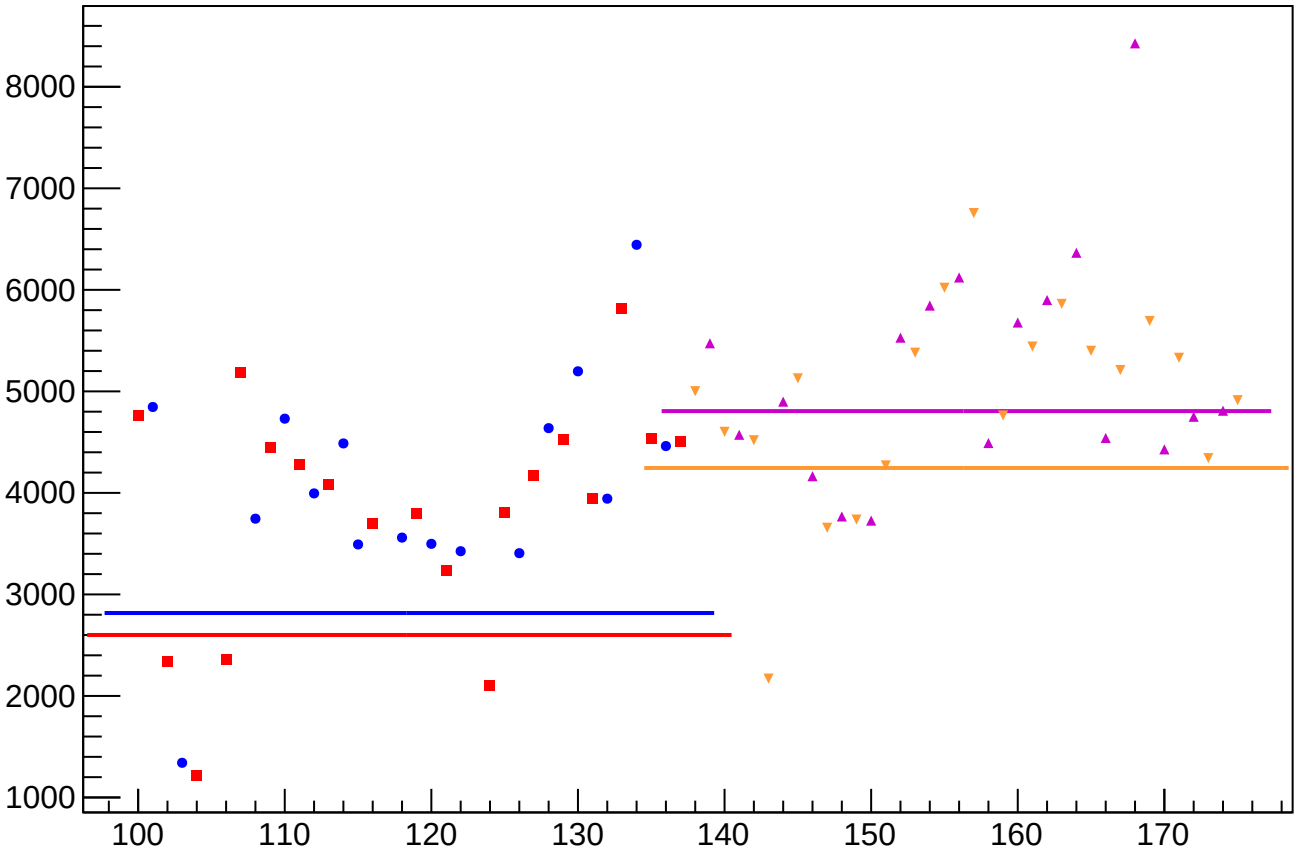
Left: 55.151+/-840.876 χ^2/NDF: 36.9/37

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -193.596+/-865.976 χ^2/NDF:26.4/33

Out: -117.558+/-784.422 χ^2/NDF:41.4/38

All: -151.829+/-581.370 χ^2/NDF: 67.9/72



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

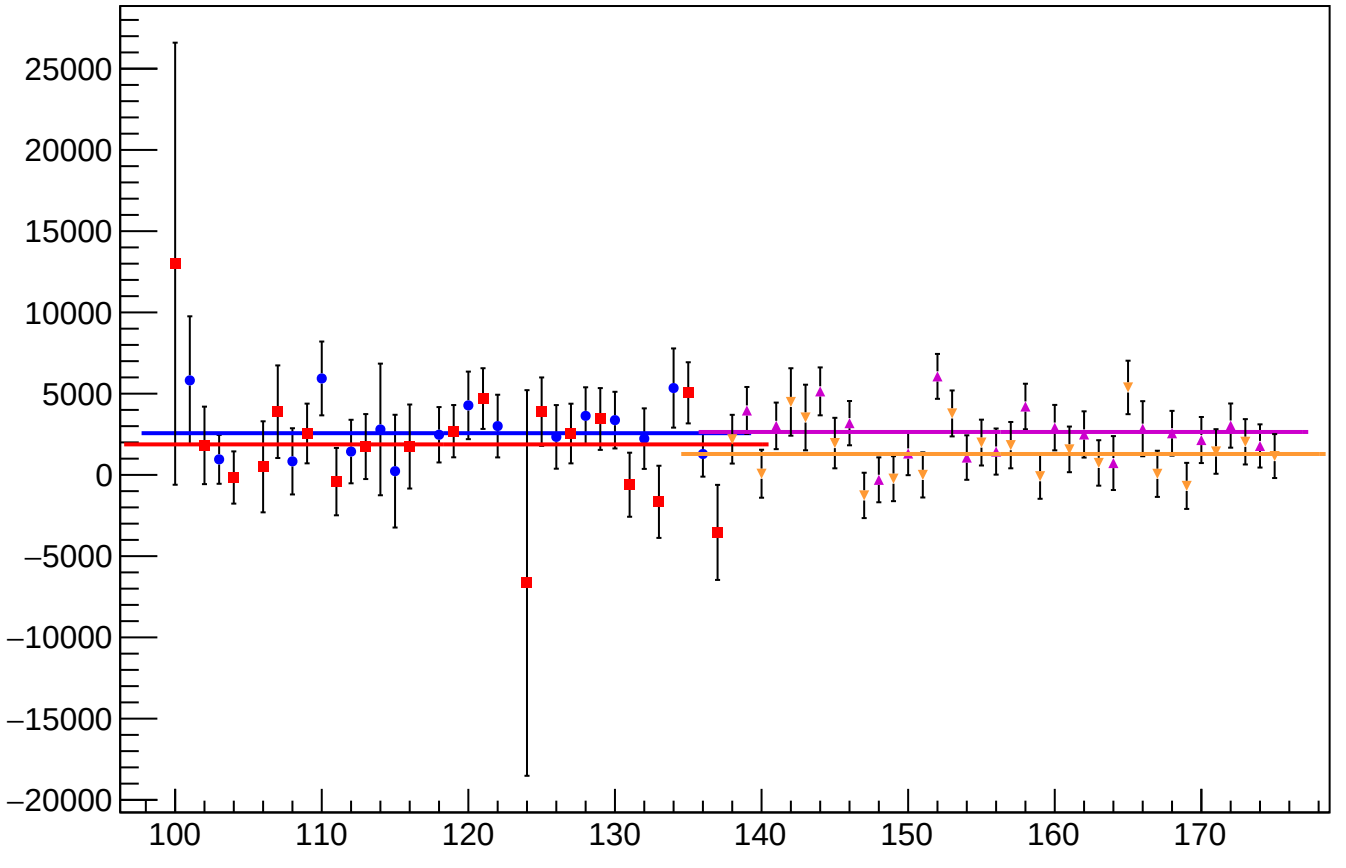
Left: 4490.417+/-0.595 χ^2/NDF: 3859620.6/37

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3738.917+/-0.612 χ^2/NDF:6649282.7/33

Out: 3406.275+/-0.555 χ^2/NDF:7901877.3/38

All: 3556.199+/-0.411 χ^2/NDF: 14713258.3/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2641.889+/-334.098 χ^2/NDF:20.9/17

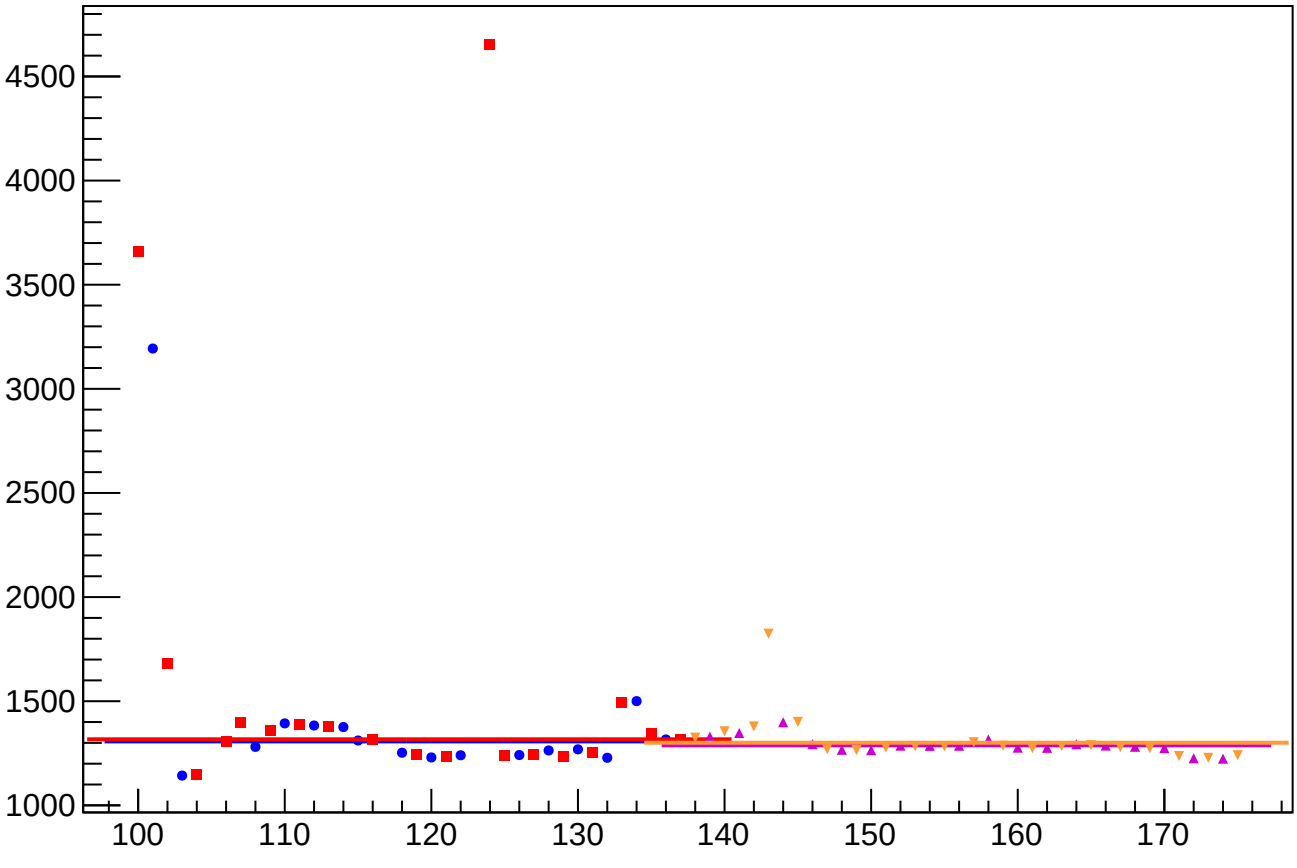
Left: 1950.681+/-233.813 χ^2/NDF: 53.4/37

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2618.531+/-276.988 χ^2/NDF:30.0/33

Out: 1467.021+/-272.984 χ^2/NDF:44.6/38

All: 2034.394+/-194.429 χ^2/NDF: 83.4/72



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

Left: 1294.579+/-0.165 χ^2/NDF: 197422.2/37

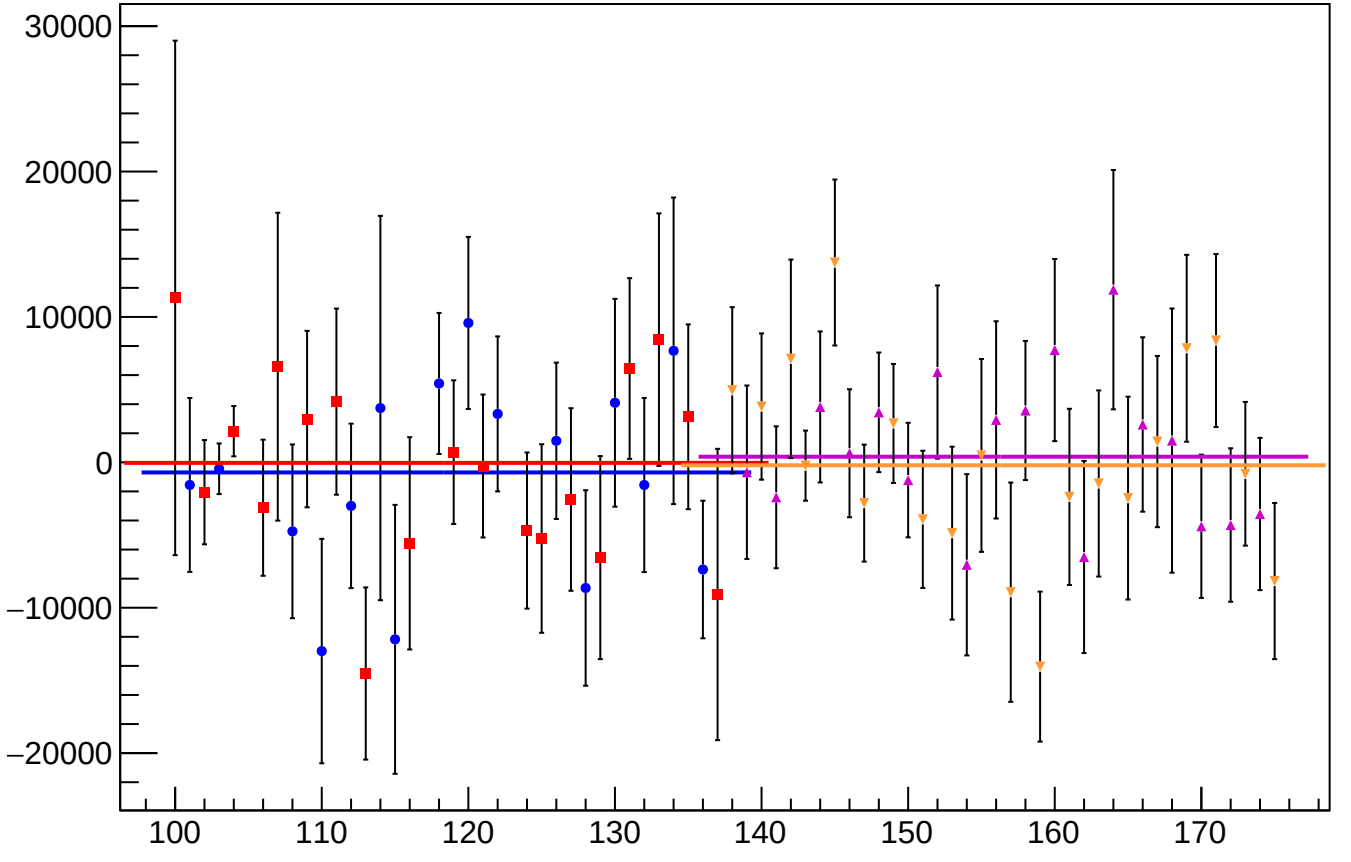
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1294.107+/-0.196 χ^2/NDF:545943.8/33

Out: 1305.709+/-0.193 χ^2/NDF:495763.4/38

All: 1299.996+/-0.137 χ^2/NDF: 1043488.2/72

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 386.746+/-1271.793 χ^2/NDF:11.3/17

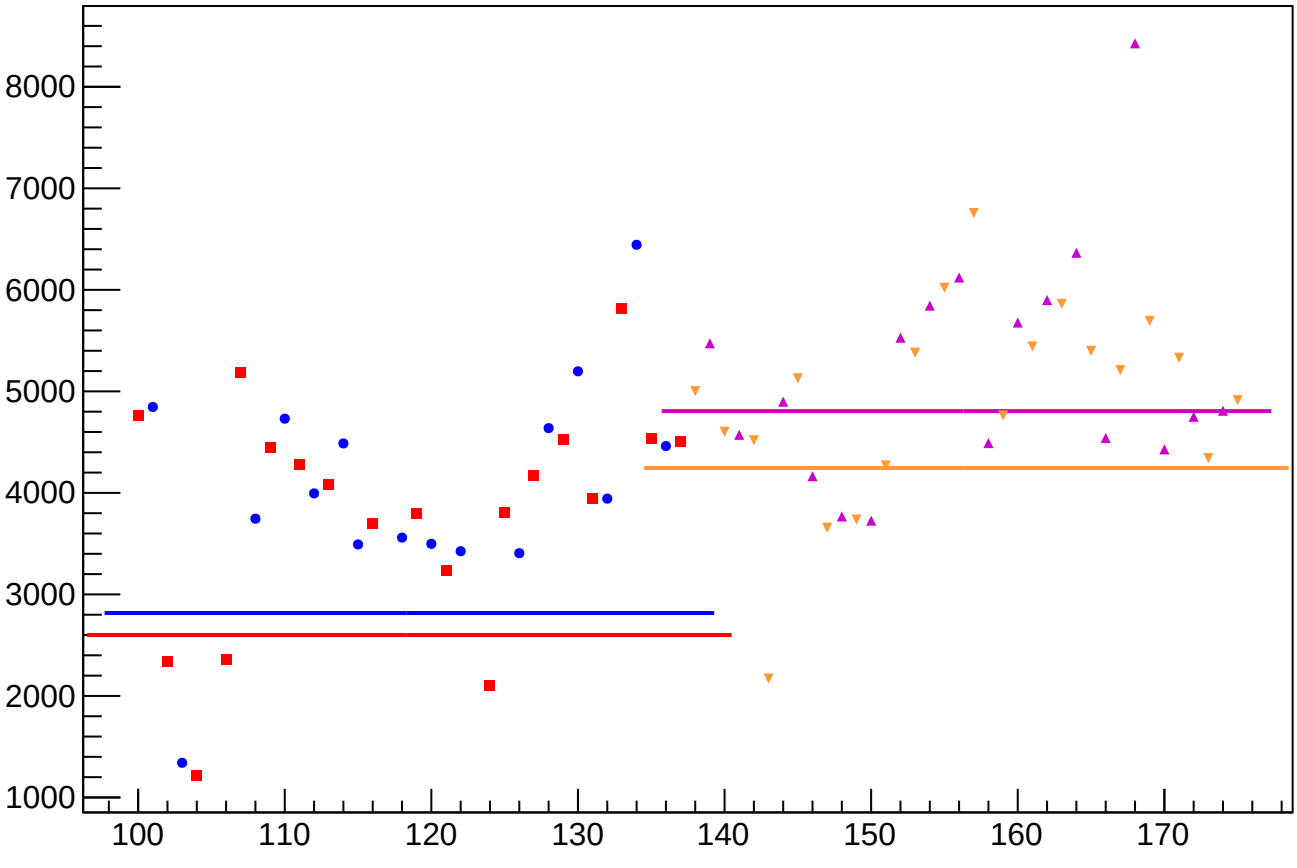
Left: 55.151+/-840.876 χ^2/NDF: 36.9/37

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -193.596+/-865.976 χ^2/NDF:26.4/33

Out: -117.558+/-784.422 χ^2/NDF:41.4/38

All: -151.829+/-581.370 χ^2/NDF: 67.9/72



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

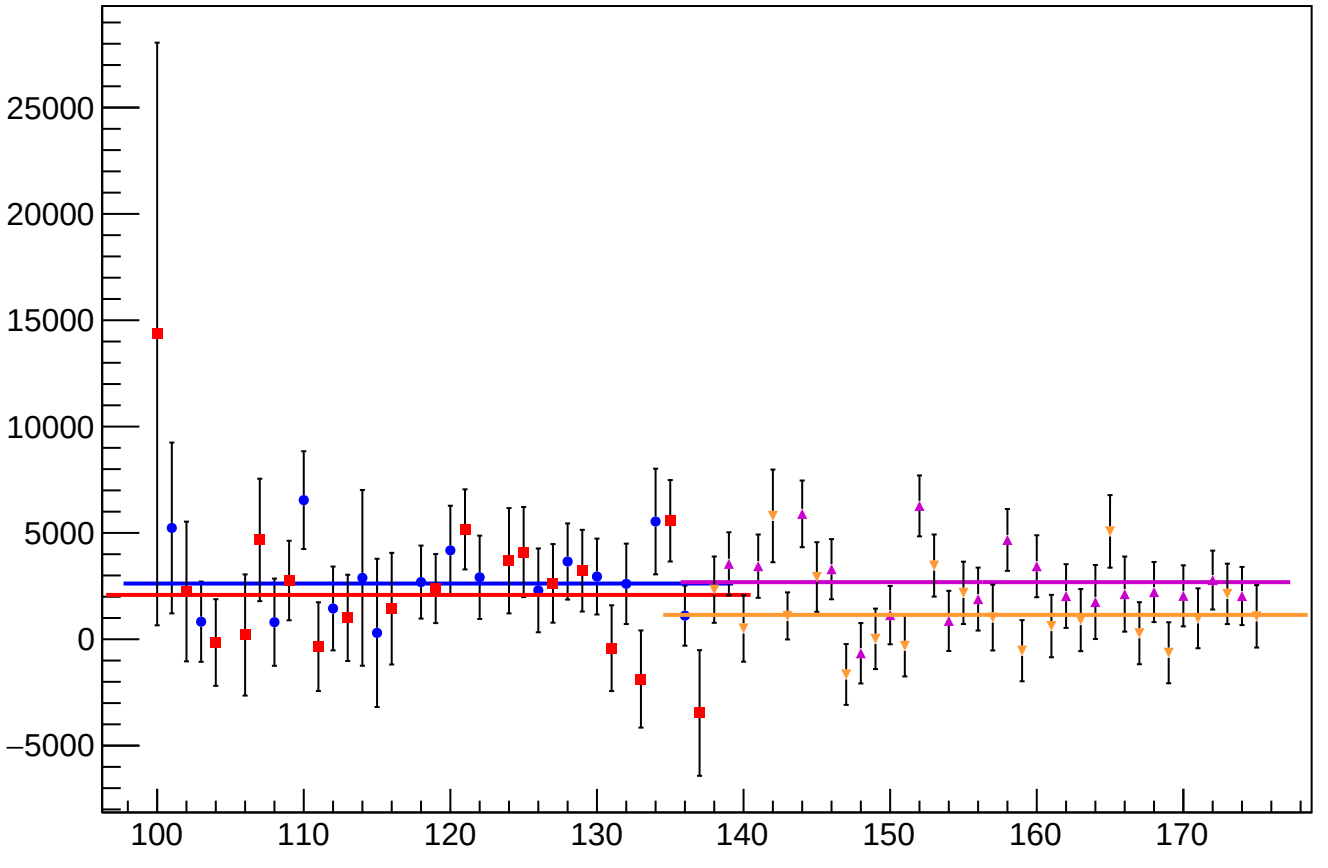
Left: 4490.417+/-0.595 χ^2/NDF: 3859620.6/37

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3738.917+/-0.612 χ^2/NDF:6649282.7/33

Out: 3406.275+/-0.555 χ^2/NDF:7901877.3/38

All: 3556.199+/-0.411 χ^2/NDF: 14713258.3/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.647+/-329.268 χ^2/NDF:24.2/19

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2685.941+/-345.718 χ^2/NDF:23.3/17

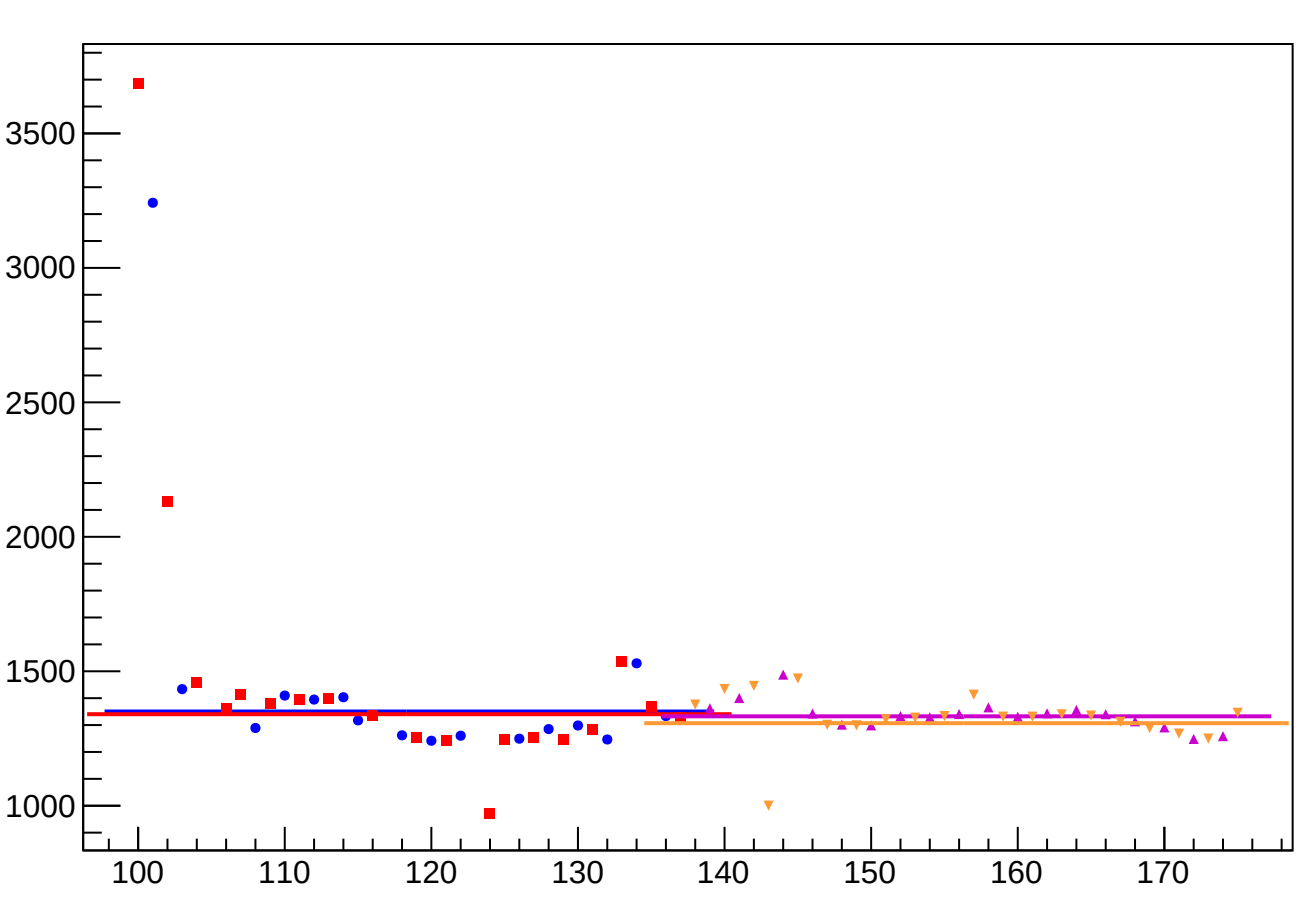
Left: 1878.803+/-238.431 χ^2/NDF: 57.9/37

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2665.432+/-286.431 χ^2/NDF:32.6/33

Out: 1426.844+/-275.798 χ^2/NDF:47.6/38

All: 2022.720+/-198.671 χ^2/NDF: 89.9/72



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219373.0/19

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1332.494+/-0.244 χ^2/NDF:43635.4/17

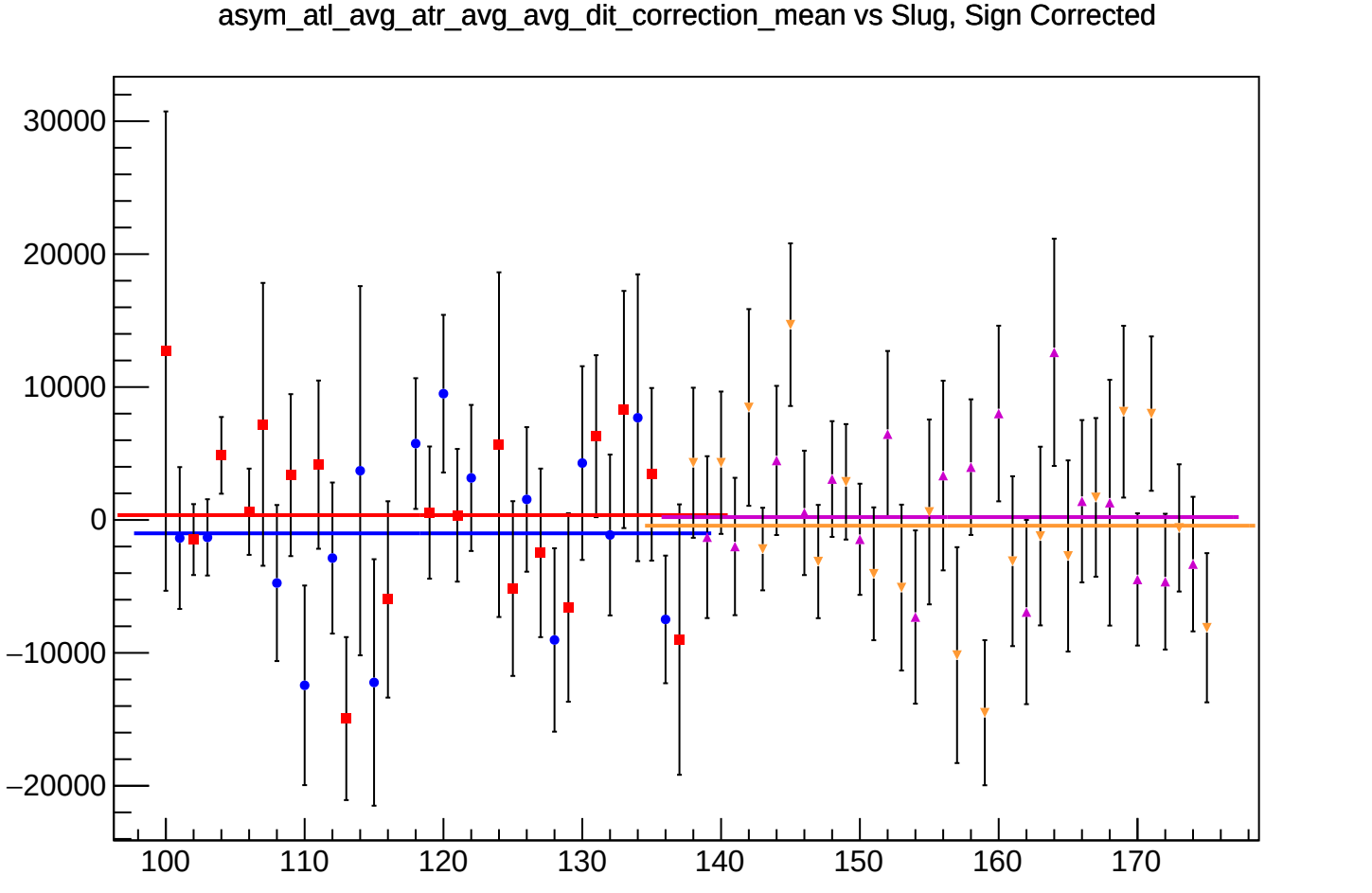
Left: 1319.132+/-0.169 χ^2/NDF: 268705.9/37

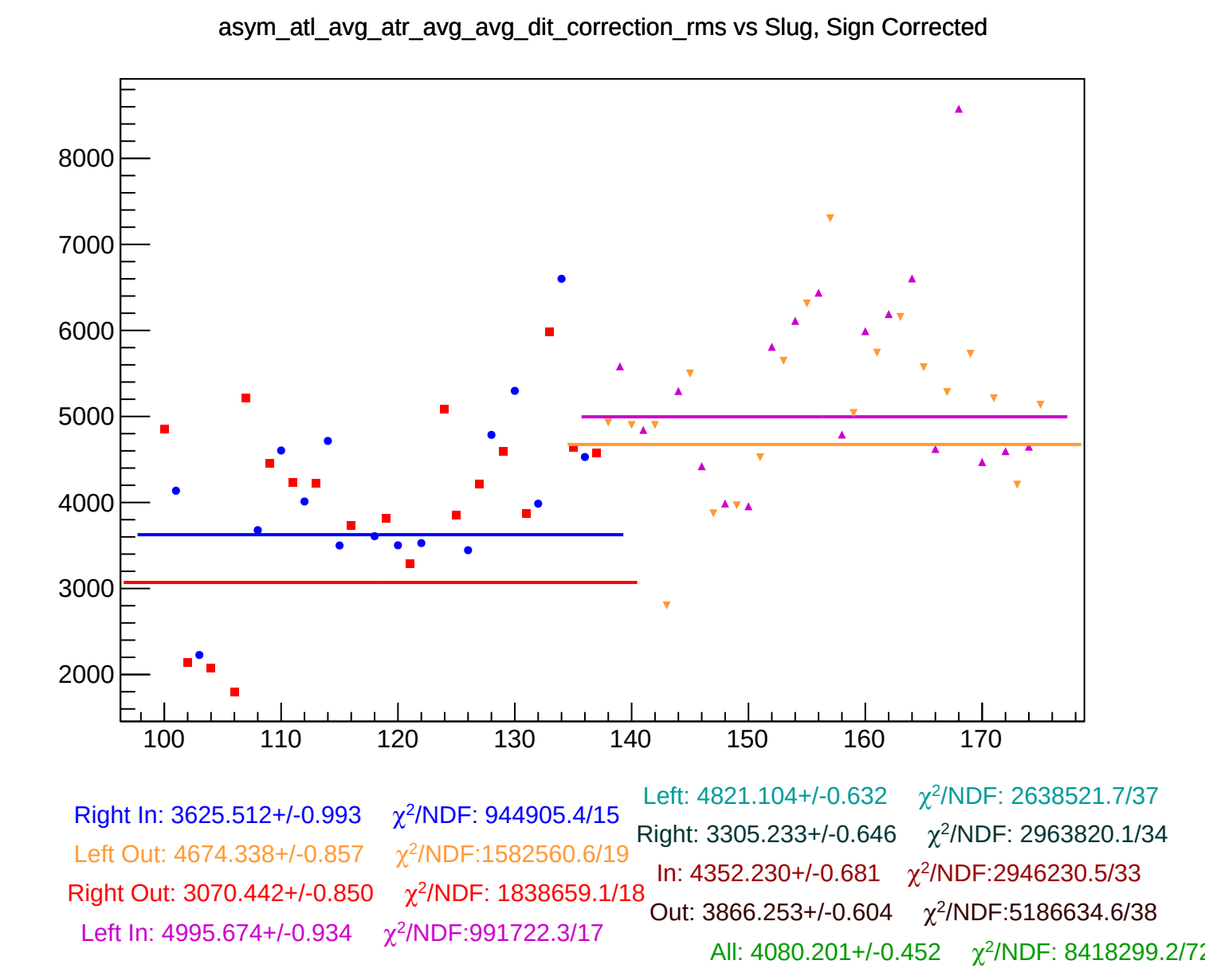
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

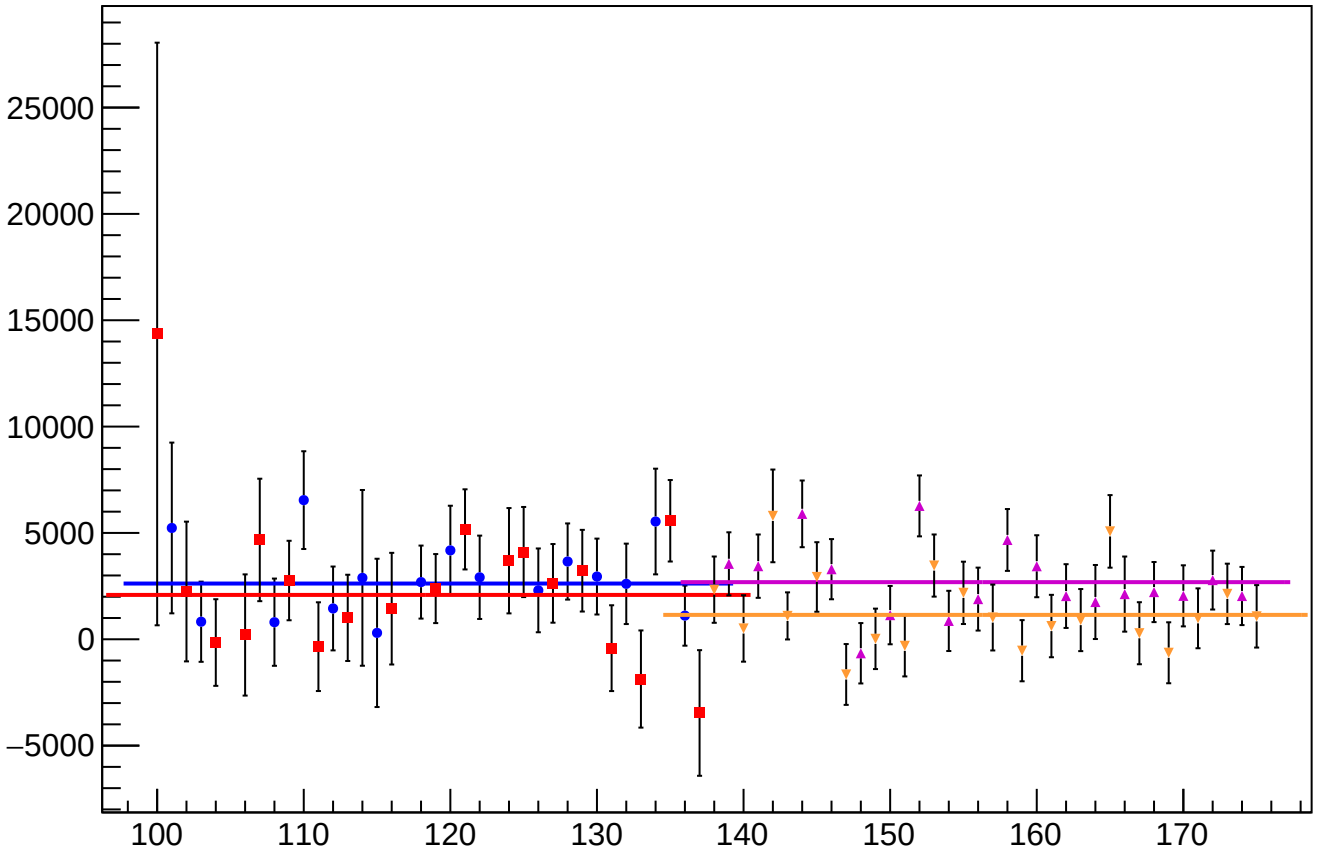
In: 1338.099+/-0.203 χ^2/NDF:539363.1/33

Out: 1316.992+/-0.195 χ^2/NDF:497709.2/38

All: 1327.145+/-0.140 χ^2/NDF: 1042708.6/72


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -432.880+/-1211.737 χ²/NDF:25.7/19
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 216.224+/-1321.542 χ²/NDF:11.4/17
Left: -136.411+/-893.128 χ²/NDF: 37.2/37
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -358.099+/-962.450 χ²/NDF:26.4/33
Out: -31.142+/-853.542 χ²/NDF:42.1/38
All: -175.083+/-638.594 χ²/NDF: 68.6/72


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4674.338+/-0.857 χ²/NDF:1582560.6/19
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 4995.674+/-0.934 χ²/NDF:991722.3/17
Left: 4821.104+/-0.632 χ²/NDF: 2638521.7/37
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4352.230+/-0.681 χ²/NDF:2946230.5/33
Out: 3866.253+/-0.604 χ²/NDF:5186634.6/38
All: 4080.201+/-0.452 χ²/NDF: 8418299.2/72



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.642+/-329.268 χ^2/NDF:24.2/19

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2685.942+/-345.718 χ^2/NDF:23.3/17

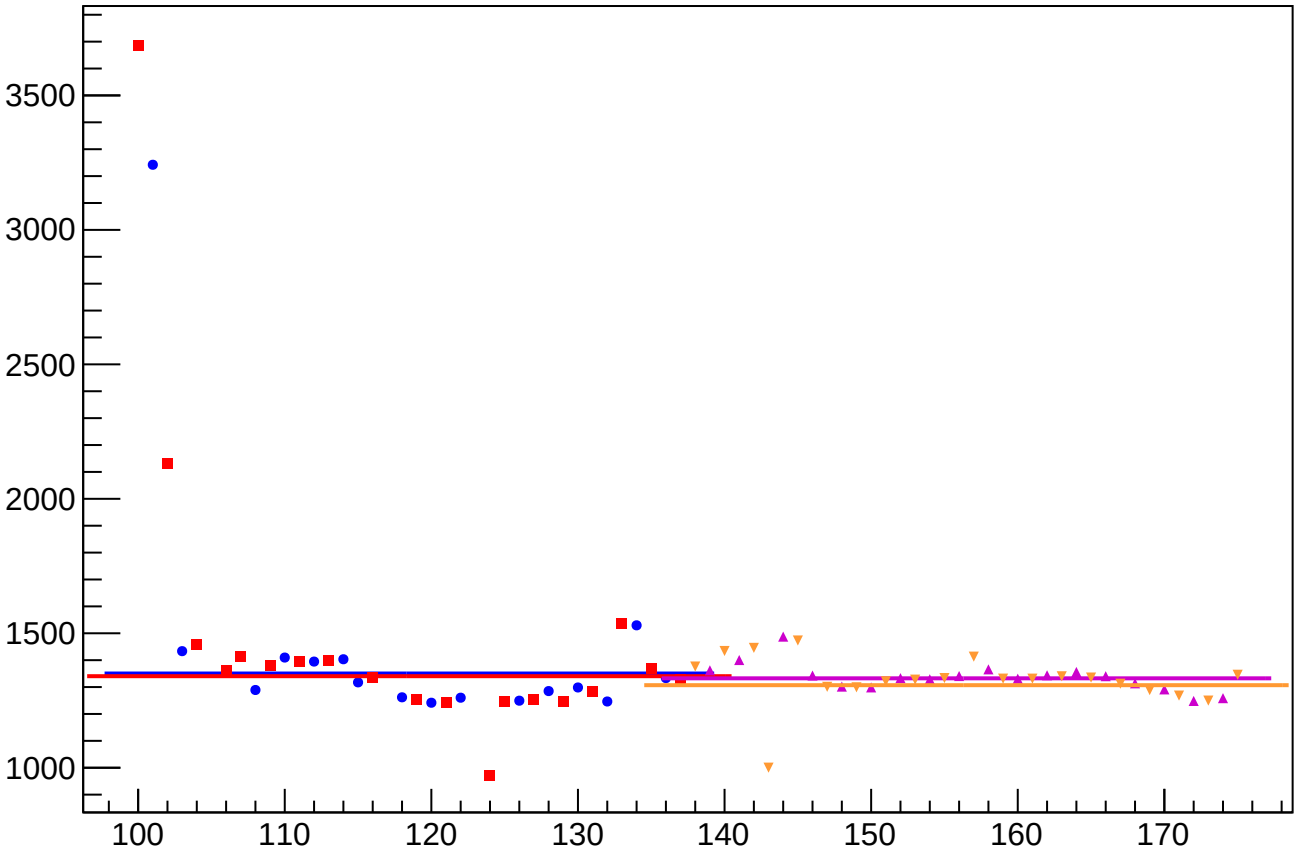
Left: 1878.801+/-238.431 χ^2/NDF: 57.9/37

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2665.432+/-286.431 χ^2/NDF:32.6/33

Out: 1426.842+/-275.798 χ^2/NDF:47.6/38

All: 2022.720+/-198.671 χ^2/NDF: 89.9/72



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219374.3/19

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1332.495+/-0.244 χ^2/NDF:43636.8/17

Left: 1319.133+/-0.169 χ^2/NDF: 268708.6/37

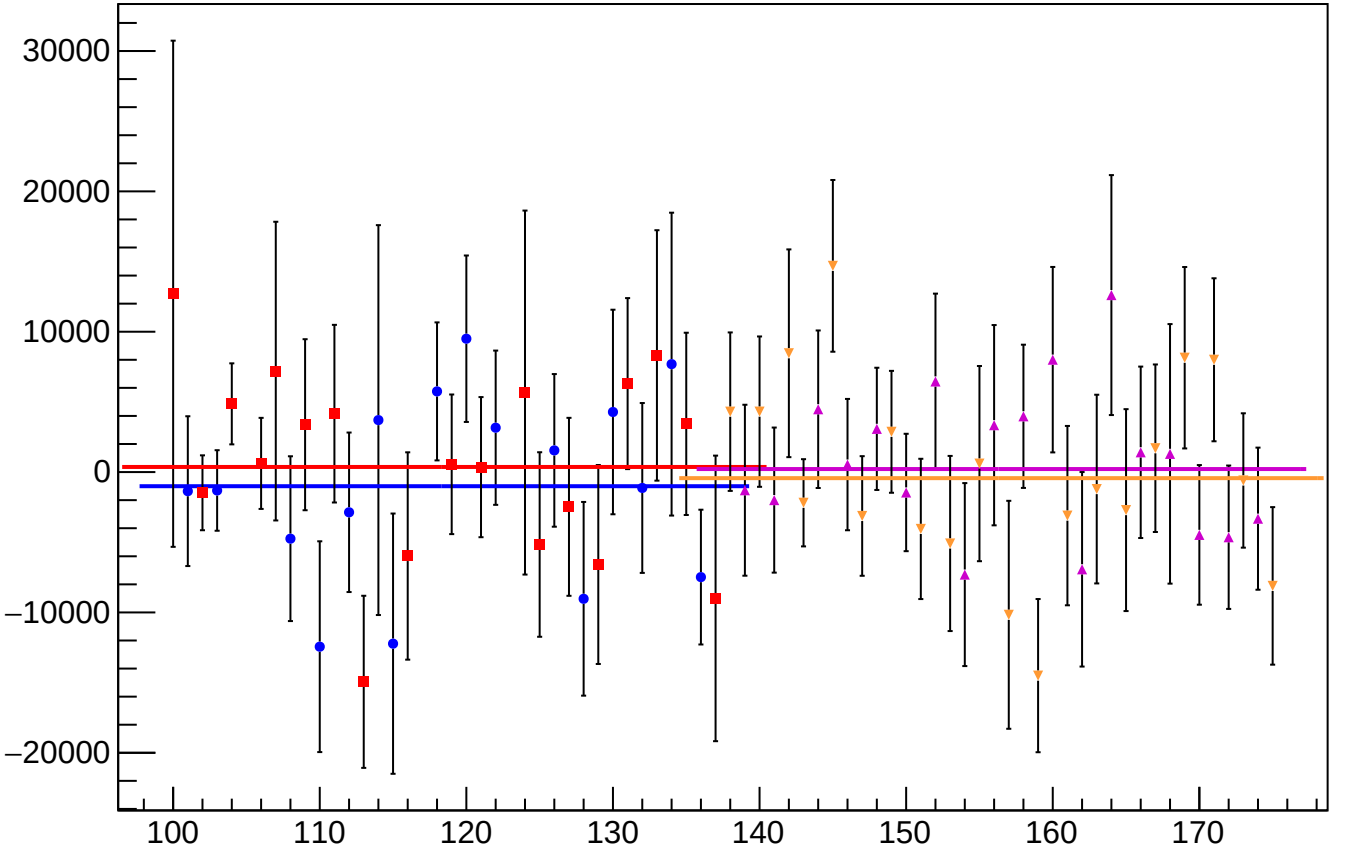
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1338.099+/-0.203 χ^2/NDF:539364.3/33

Out: 1316.993+/-0.195 χ^2/NDF:497709.0/38

All: 1327.145+/-0.140 χ^2/NDF: 1042709.6/72

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -432.883+/-1211.739 χ^2/NDF:25.7/19

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 216.223+/-1321.544 χ^2/NDF:11.4/17

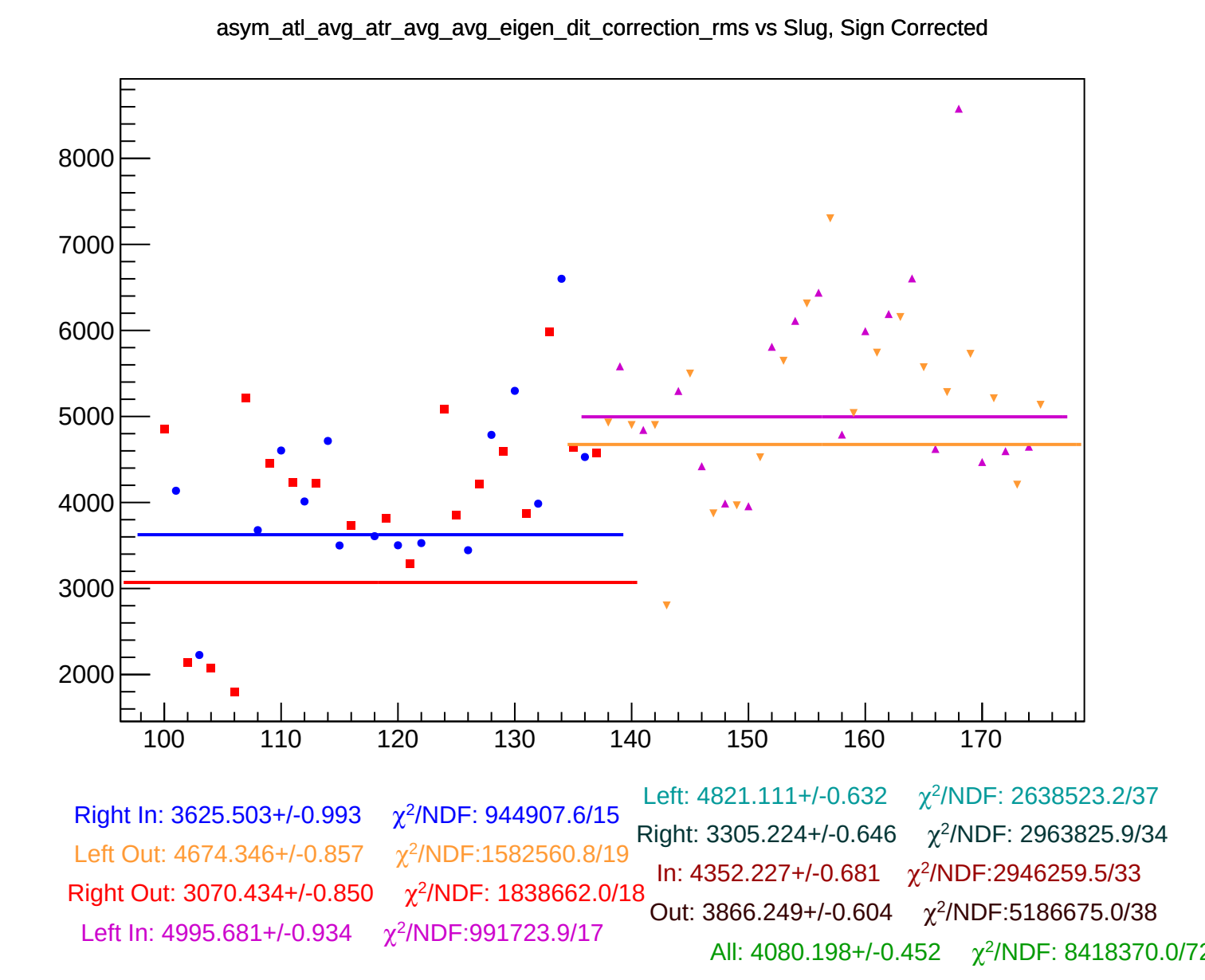
Left: -136.413+/-893.129 χ^2/NDF: 37.2/37

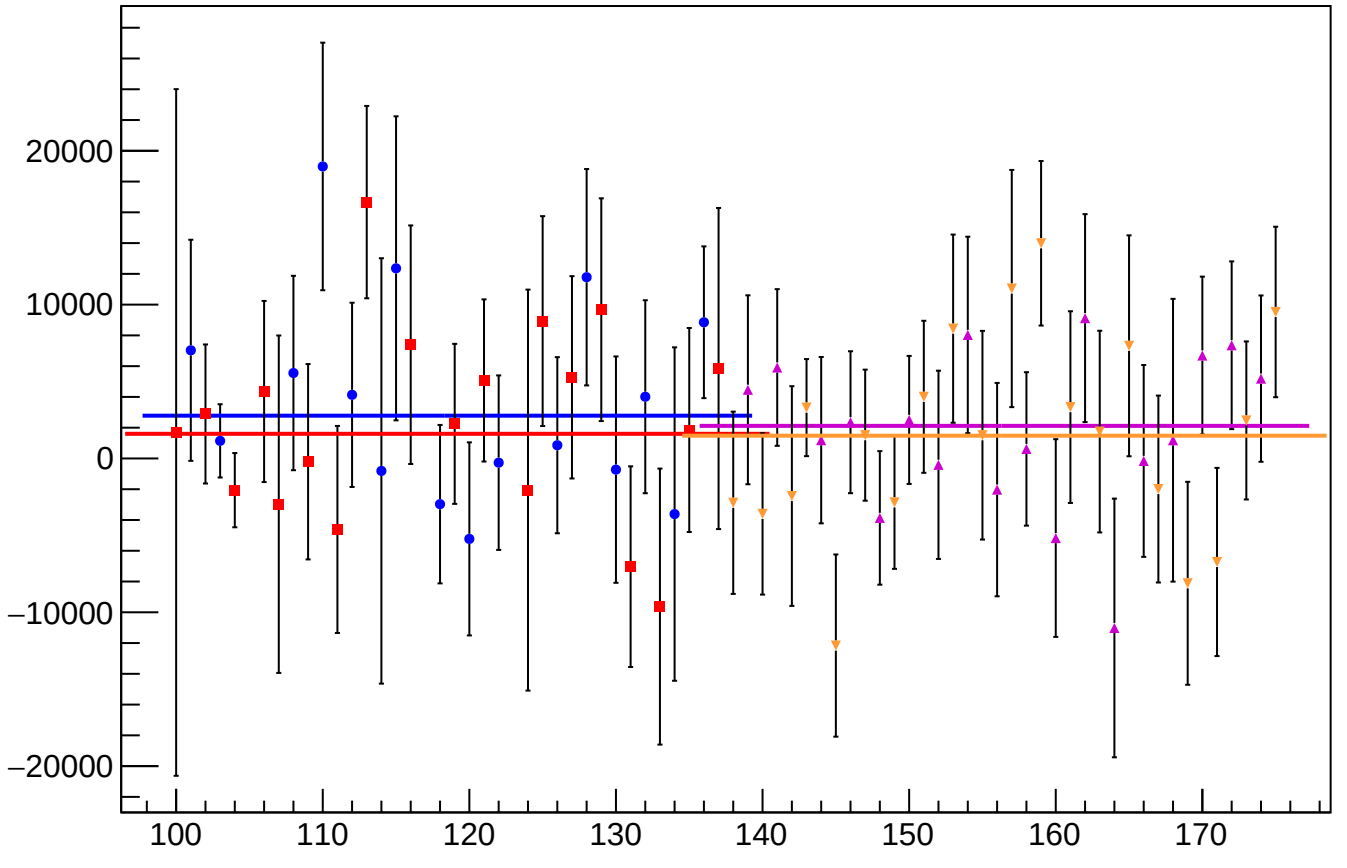
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -358.098+/-962.449 χ^2/NDF:26.4/33

Out: -31.141+/-853.542 χ^2/NDF:42.1/38

All: -175.082+/-638.593 χ^2/NDF: 68.6/72


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 4674.346+/-0.857 χ²/NDF:1582560.8/19
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 4995.681+/-0.934 χ²/NDF:991723.9/17
Left: 4821.111+/-0.632 χ²/NDF: 2638523.2/37
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 4352.227+/-0.681 χ²/NDF:2946259.5/33
Out: 3866.249+/-0.604 χ²/NDF:5186675.0/38
All: 4080.198+/-0.452 χ²/NDF: 8418370.0/72



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1480.062+/-1213.645 χ^2/NDF:24.1/19

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2118.765+/-1321.105 χ^2/NDF:11.1/17

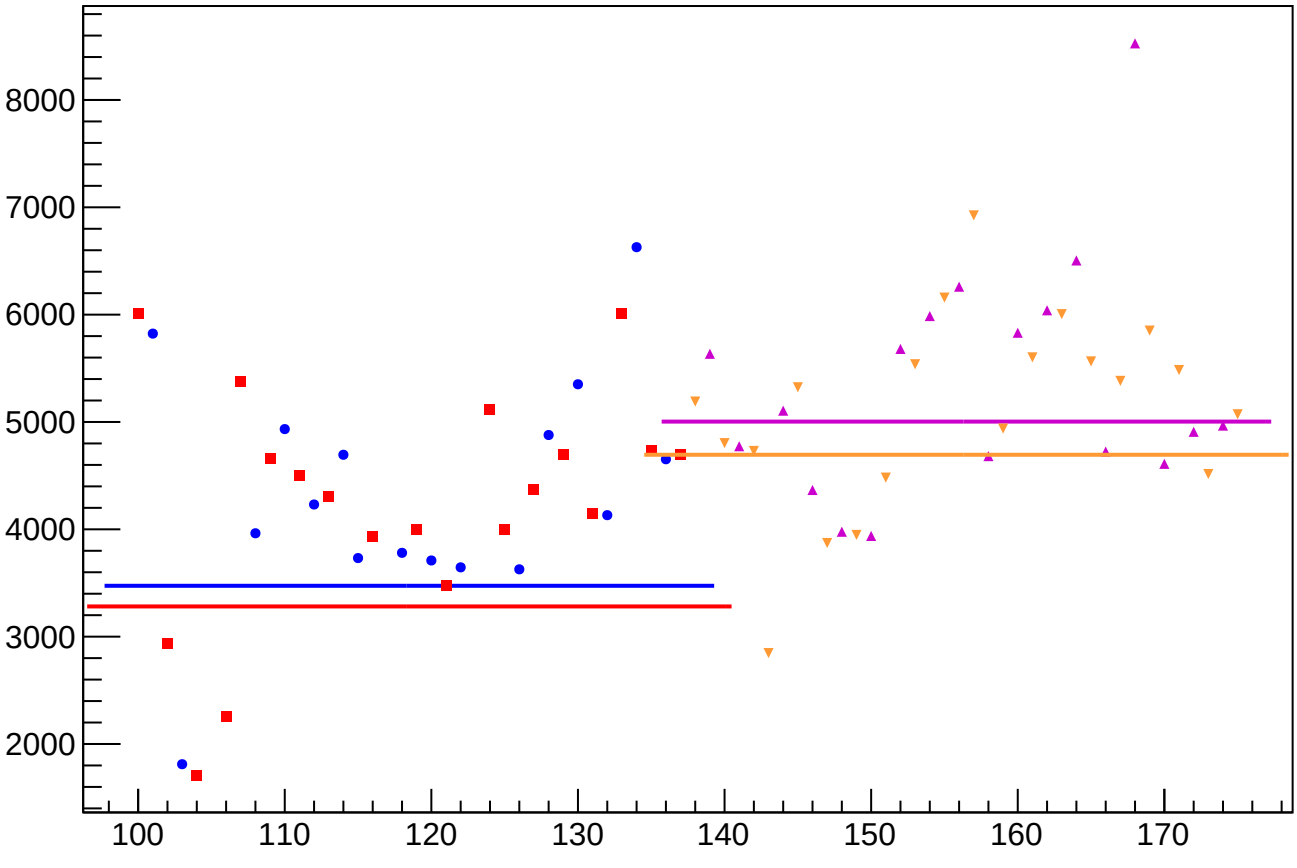
Left: 1772.385+/-893.756 χ^2/NDF: 35.4/37

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2433.140+/-957.409 χ^2/NDF:24.4/33

Out: 1535.430+/-898.635 χ^2/NDF:40.9/38

All: 1955.886+/-655.224 χ^2/NDF: 65.8/72



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4694.612+/-0.858 χ^2/NDF:1447996.2/19

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5003.589+/-0.934 χ^2/NDF:907278.8/17

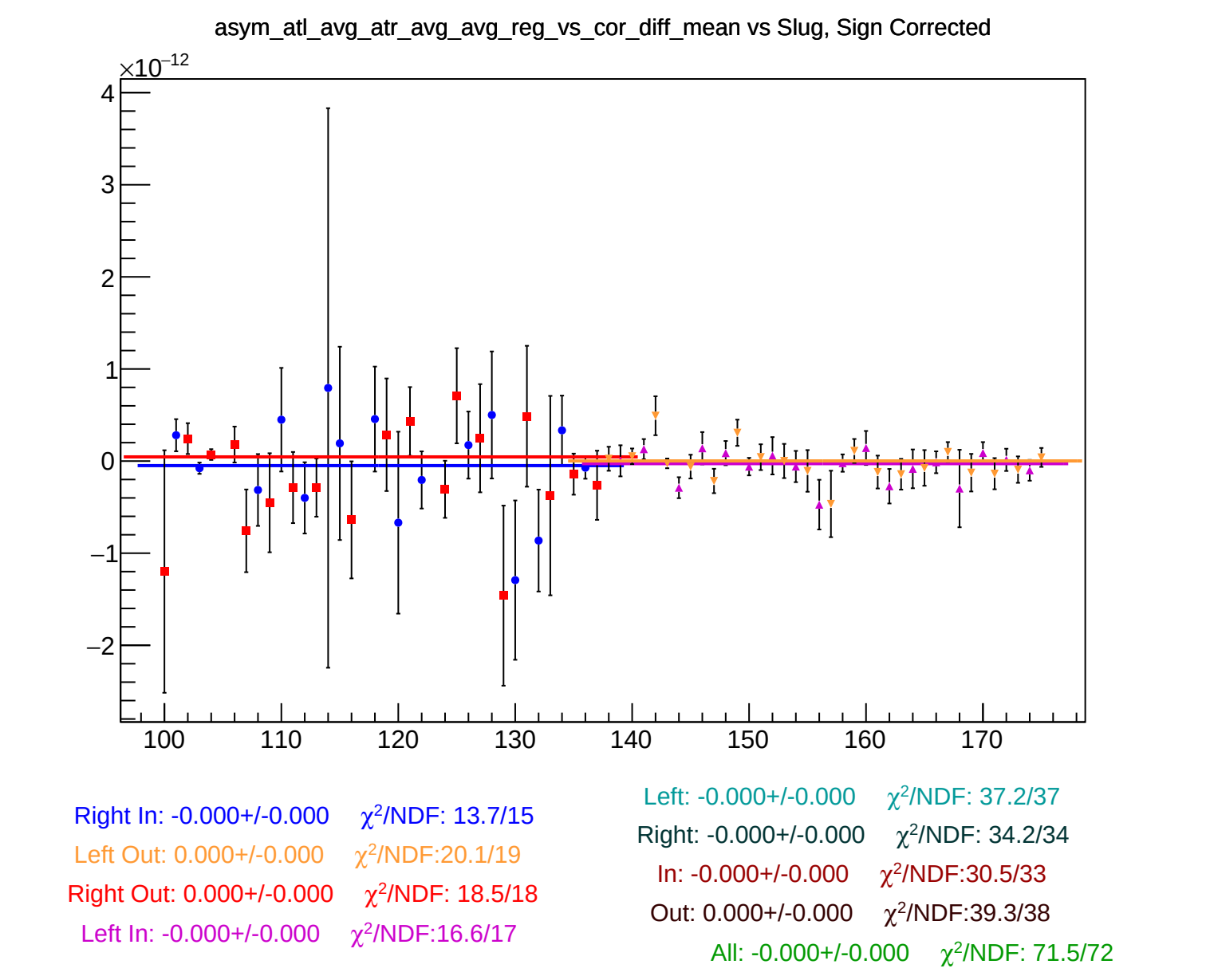
Left: 4836.025+/-0.632 χ^2/NDF: 2414603.2/37

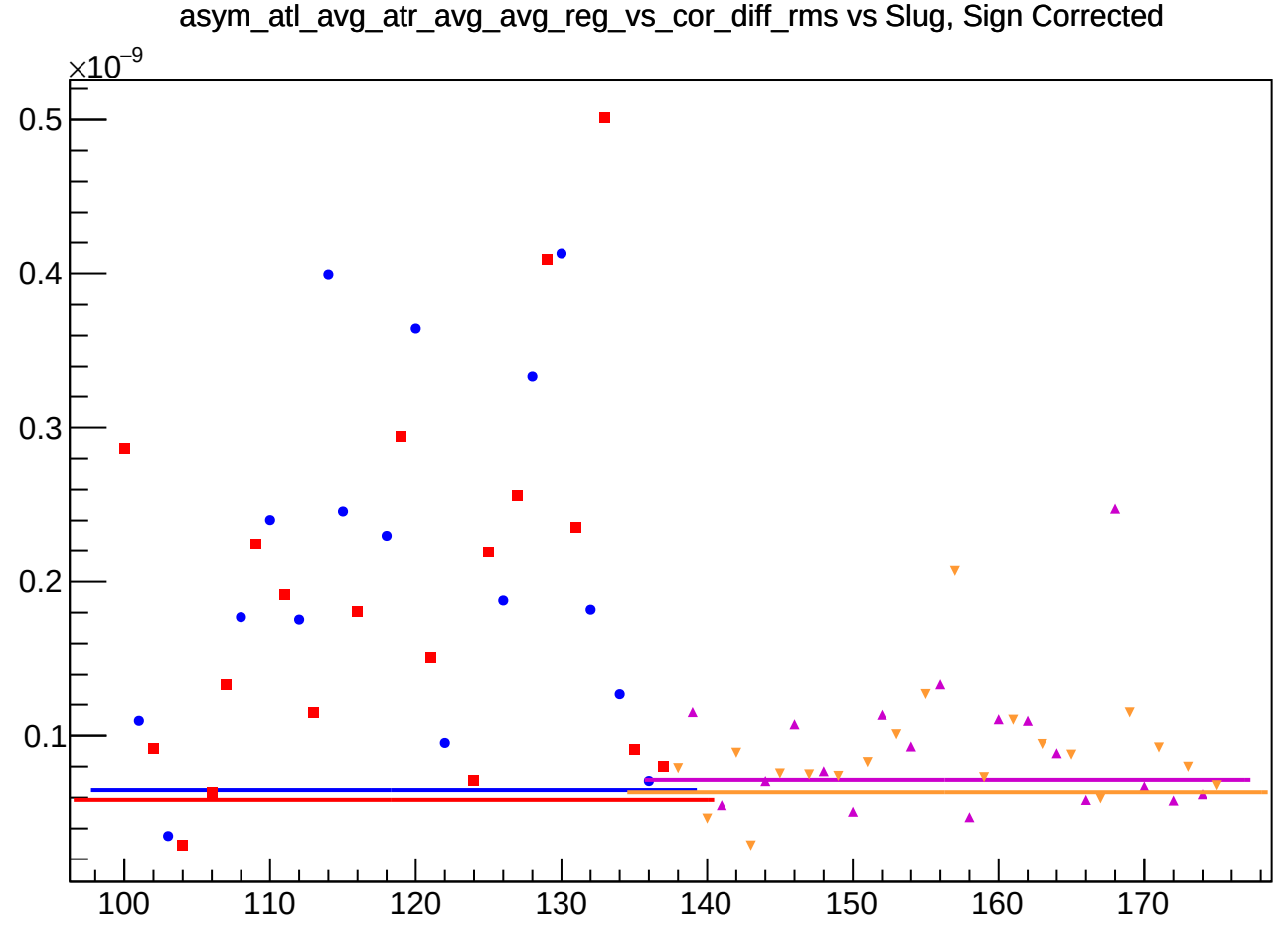
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4277.277+/-0.677 χ^2/NDF:4024400.9/33

Out: 4046.593+/-0.631 χ^2/NDF:4566910.2/38

All: 4153.919+/-0.462 χ^2/NDF: 8653401.8/72


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:20.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:16.6/17
Left: -0.000+/-0.000 χ²/NDF: 37.2/37
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:30.5/33
Out: 0.000+/-0.000 χ²/NDF:39.3/38
All: -0.000+/-0.000 χ²/NDF: 71.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2097566.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1316931.2/17

Left: 0.000+/-0.000 χ^2/NDF: 3483989.2/37

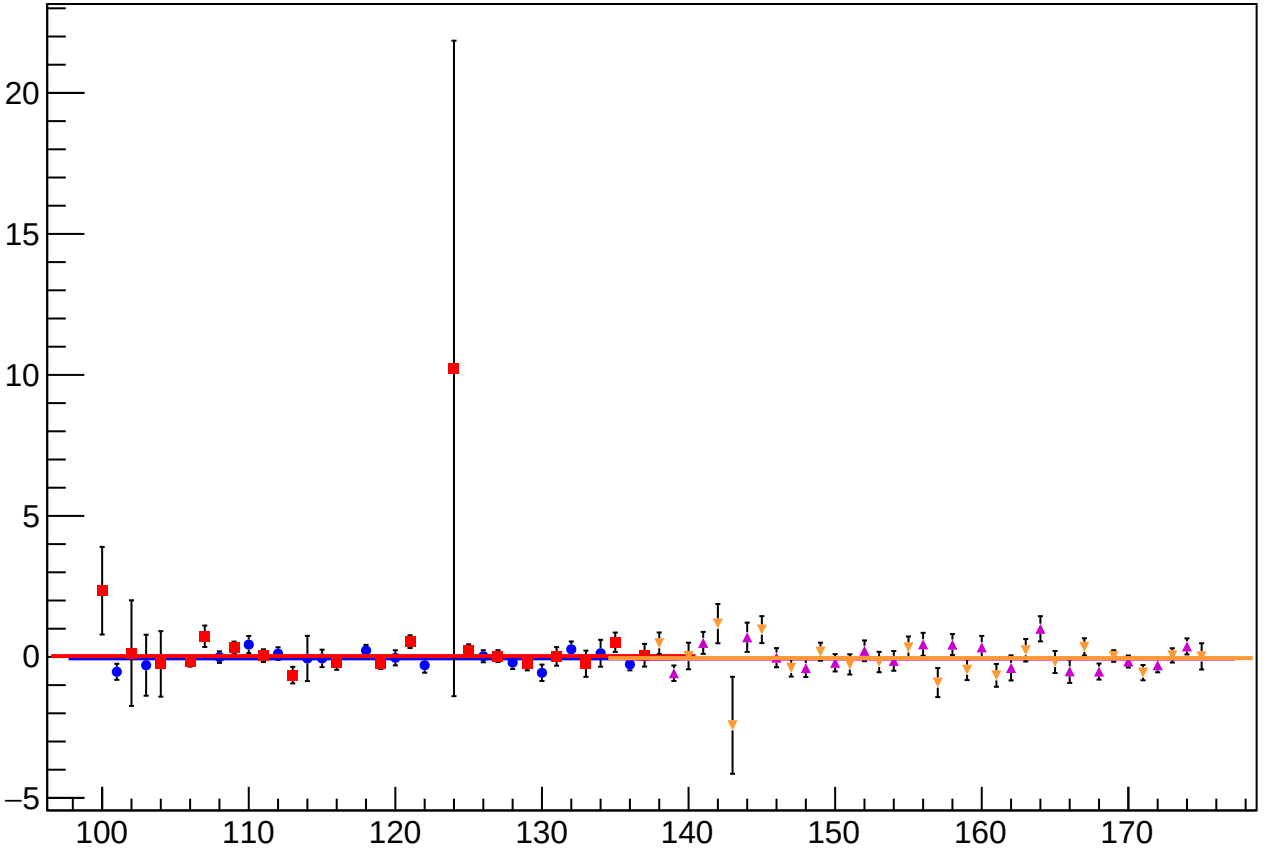
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3935148.7/33

Out: 0.000+/-0.000 χ^2/NDF:4968700.2/38

All: 0.000+/-0.000 χ^2/NDF: 8983344.3/72

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.051+/-0.055 χ^2/NDF: 54.6/37

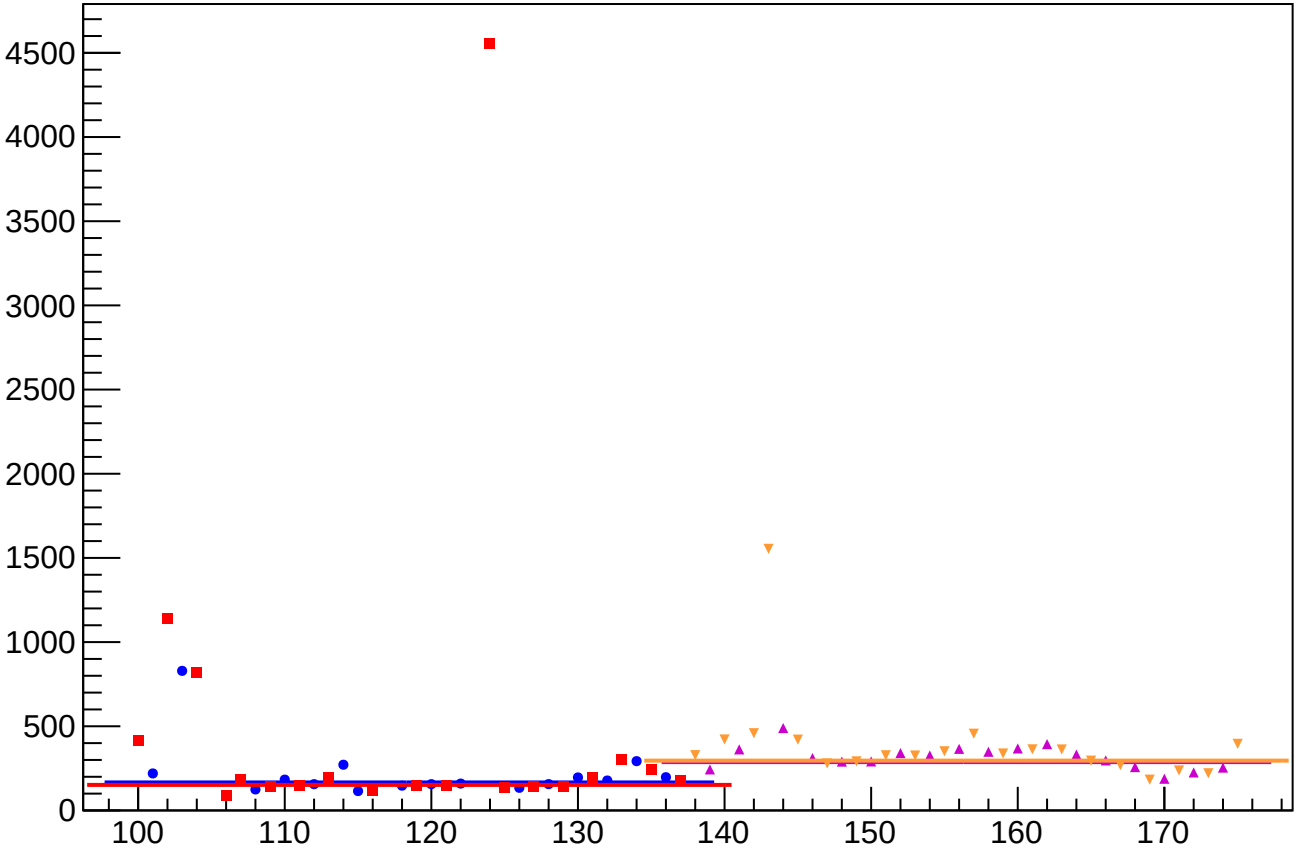
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.026+/-0.036 χ^2/NDF: 98.1/72

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 295.930+/-0.056 χ^2/NDF:2860859.9/19

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

Left: 291.453+/-0.039 χ^2/NDF: 4322904.3/37

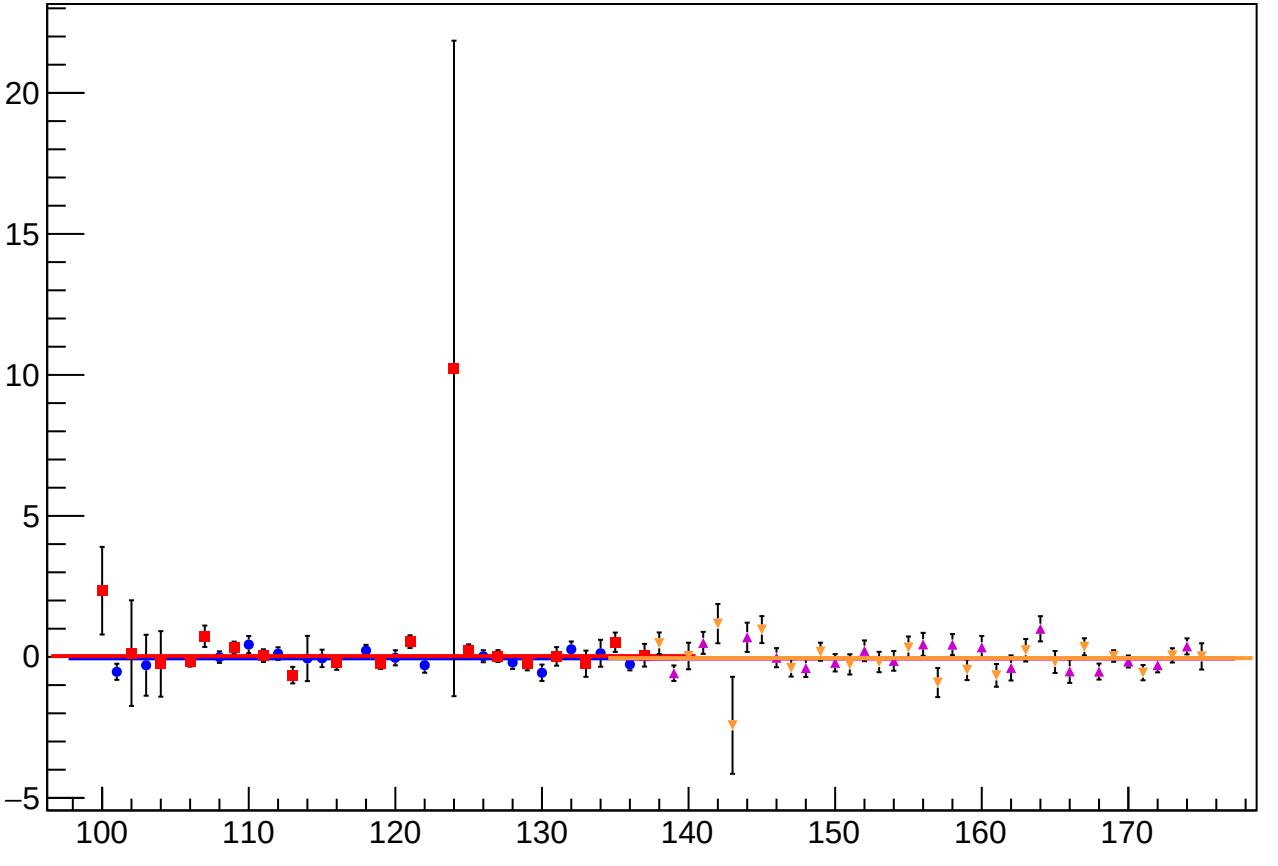
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 217.683+/-0.036 χ^2/NDF:5517147.8/33

Out: 208.664+/-0.035 χ^2/NDF:9176445.3/38

All: 213.103+/-0.025 χ^2/NDF: 14725853.3/72

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.051+/-0.055 χ^2/NDF: 54.6/37

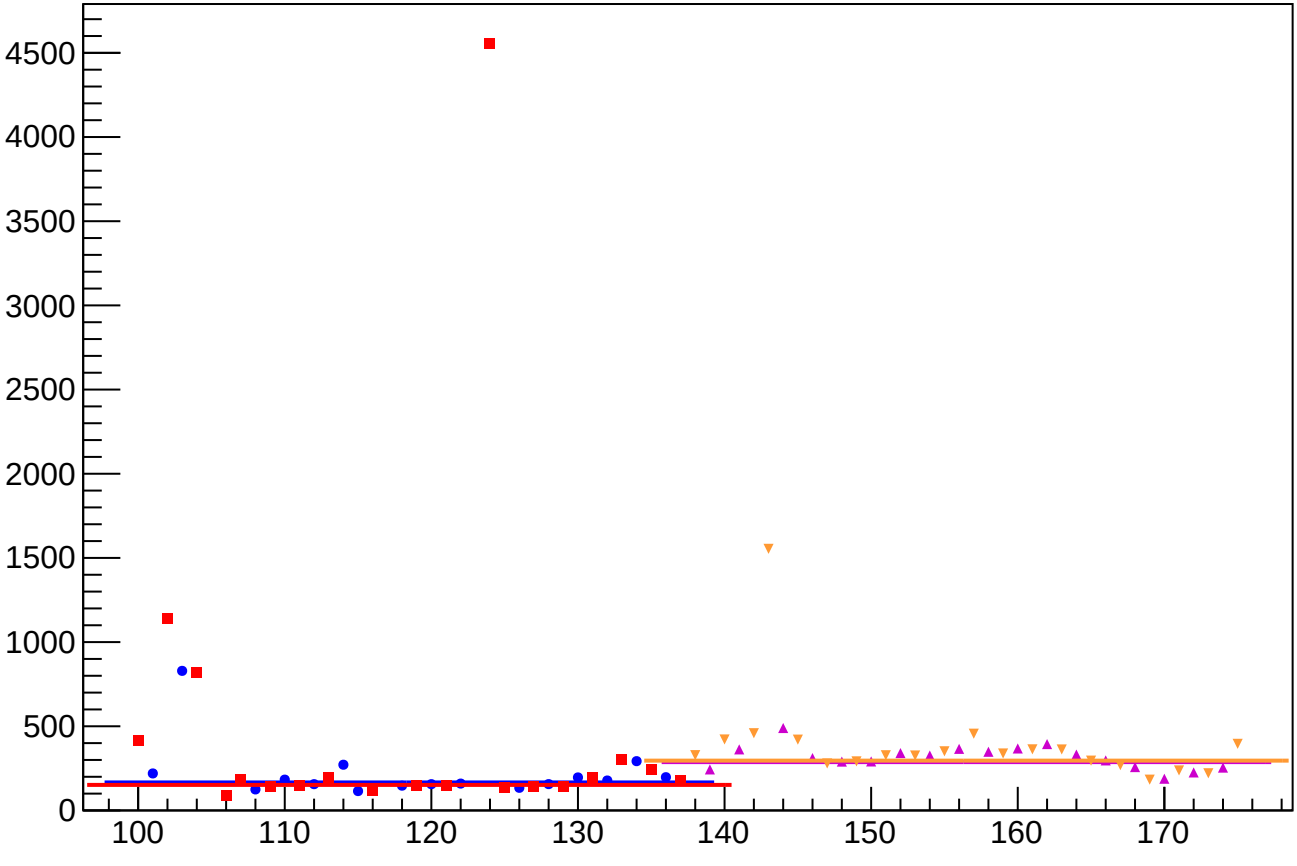
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.026+/-0.036 χ^2/NDF: 98.1/72

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 295.930+/-0.056 χ^2/NDF:2860859.9/19

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

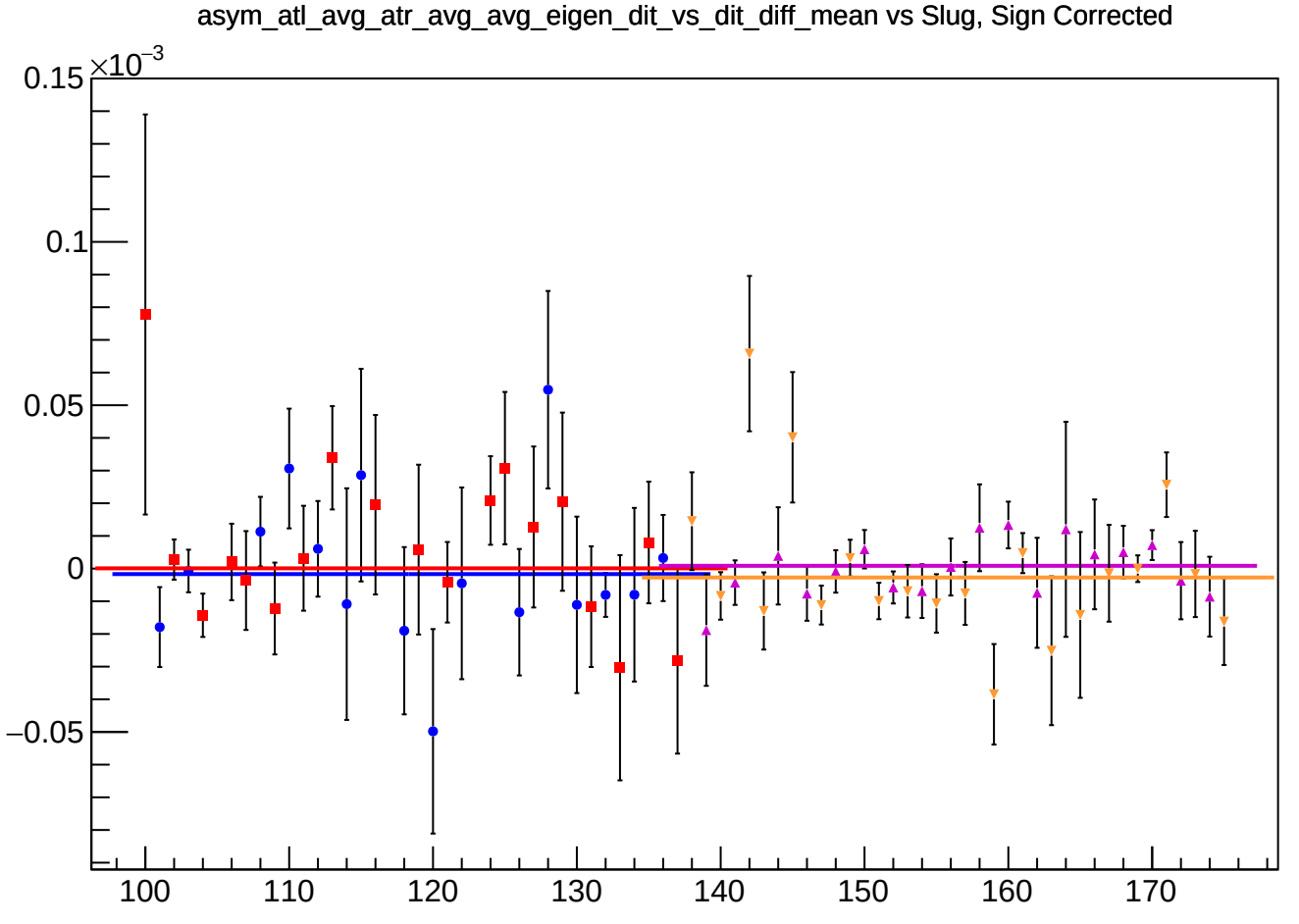
Left: 291.453+/-0.039 χ^2/NDF: 4322904.3/37

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 217.683+/-0.036 χ^2/NDF:5517147.8/33

Out: 208.664+/-0.035 χ^2/NDF:9176445.3/38

All: 213.103+/-0.025 χ^2/NDF: 14725853.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/17

Left: -0.000+/-0.000 χ^2/NDF: 55.0/37

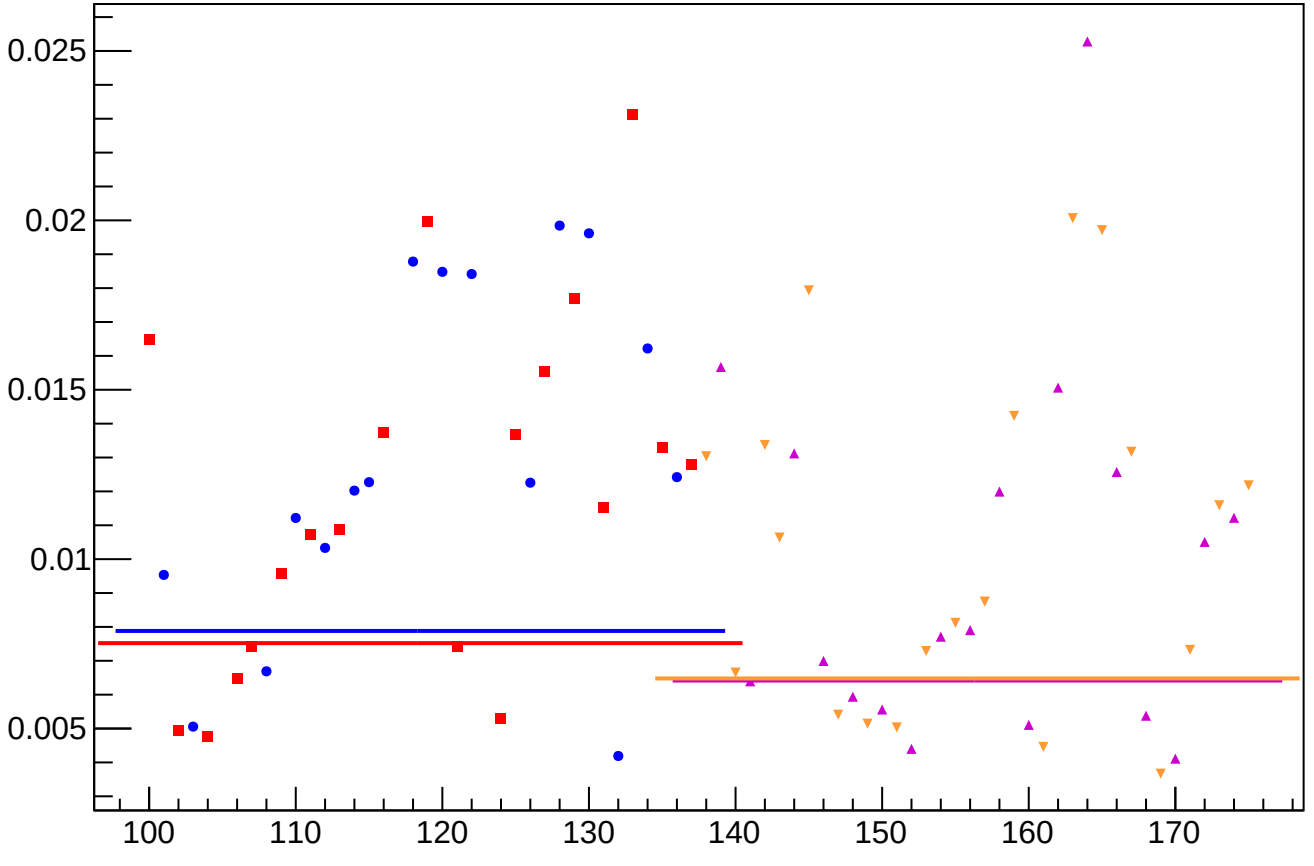
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.6/33

Out: -0.000+/-0.000 χ^2/NDF:60.0/38

All: -0.000+/-0.000 χ^2/NDF: 90.5/72

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5989767.1/19

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:4466135.6/17

Left: 0.006+/-0.000 χ^2/NDF: 10456973.7/37

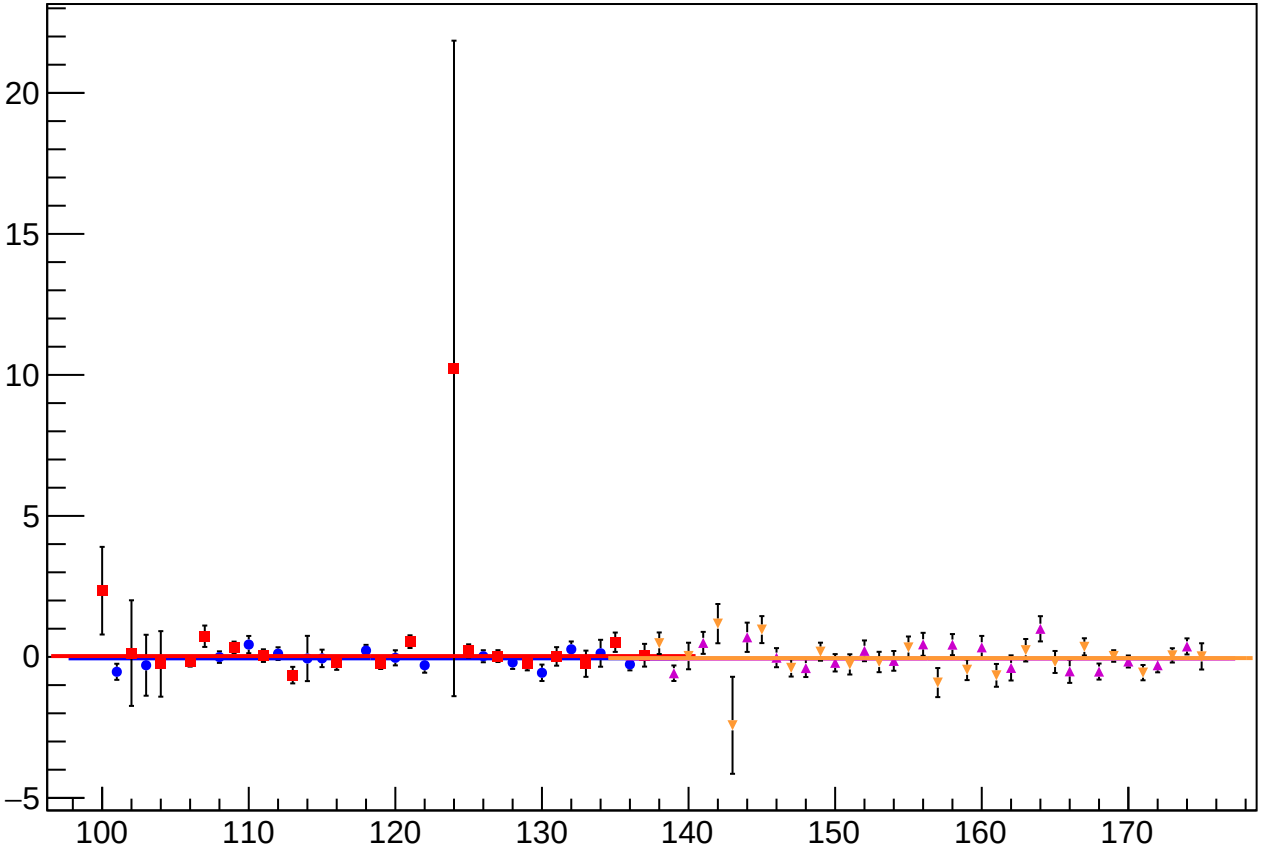
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:8050428.1/33

Out: 0.007+/-0.000 χ^2/NDF:9128247.6/38

All: 0.007+/-0.000 χ^2/NDF: 17178748.9/72

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.051+/-0.055 χ^2/NDF: 54.6/37

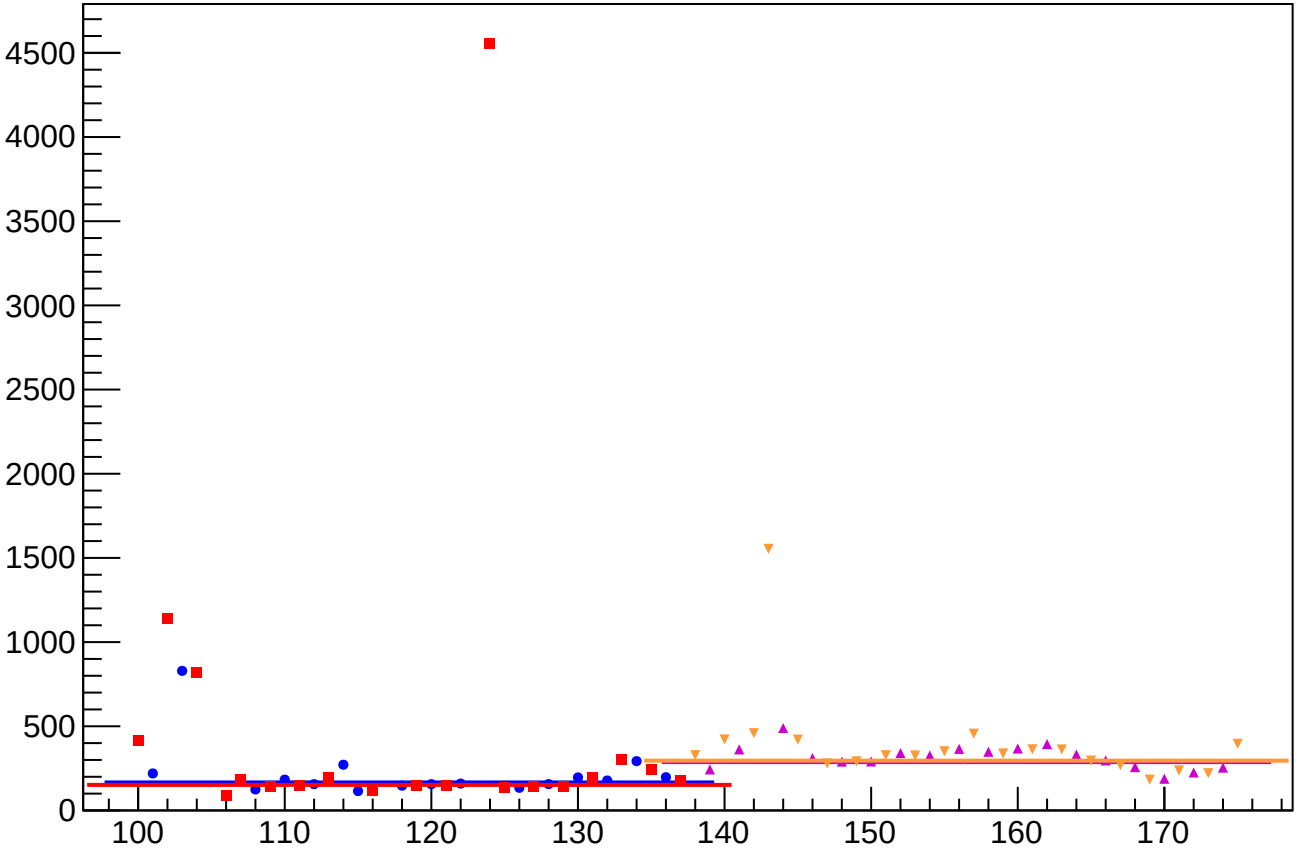
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.026+/-0.036 χ^2/NDF: 98.1/72

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 295.930+/-0.056 χ^2/NDF:2861017.4/19

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 287.163+/-0.055 χ^2/NDF:1449666.8/17

Left: 291.454+/-0.039 χ^2/NDF: 4323163.1/37

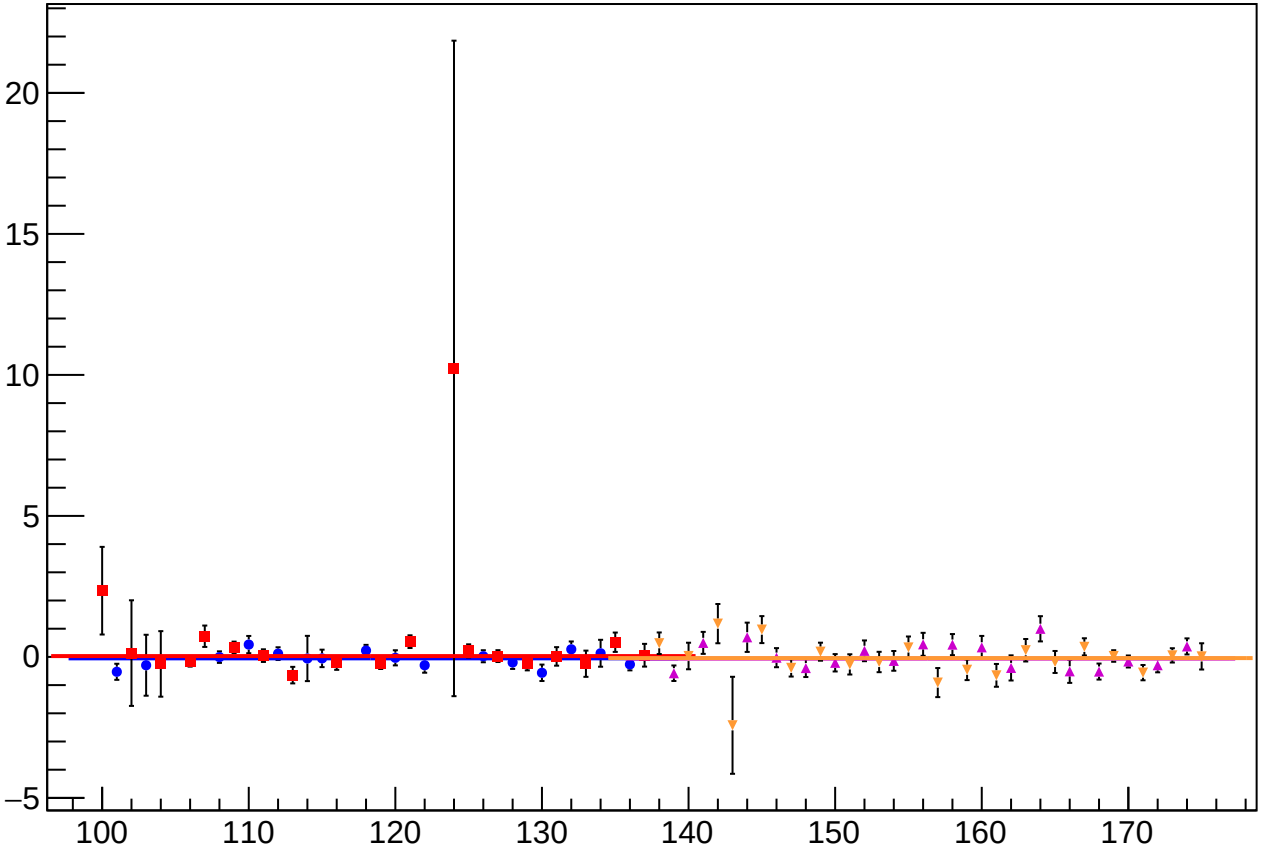
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 217.682+/-0.036 χ^2/NDF:5517322.5/33

Out: 208.663+/-0.035 χ^2/NDF:9176685.7/38

All: 213.102+/-0.025 χ^2/NDF: 14726275.5/72

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.051+/-0.055 χ^2/NDF: 54.6/37

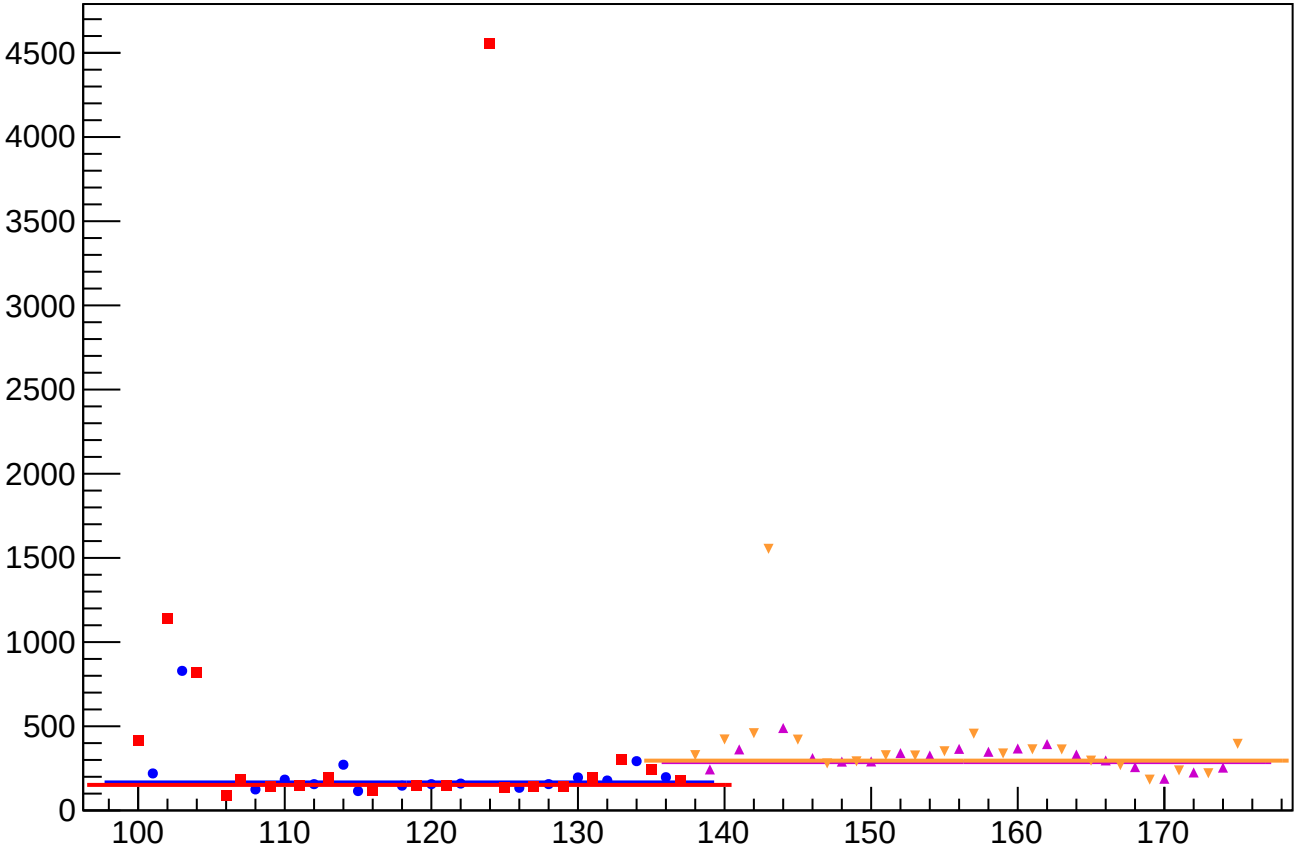
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.026+/-0.036 χ^2/NDF: 98.1/72

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 295.930+/-0.056 χ^2/NDF:2861017.4/19

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 287.163+/-0.055 χ^2/NDF:1449666.8/17

Left: 291.454+/-0.039 χ^2/NDF: 4323163.1/37

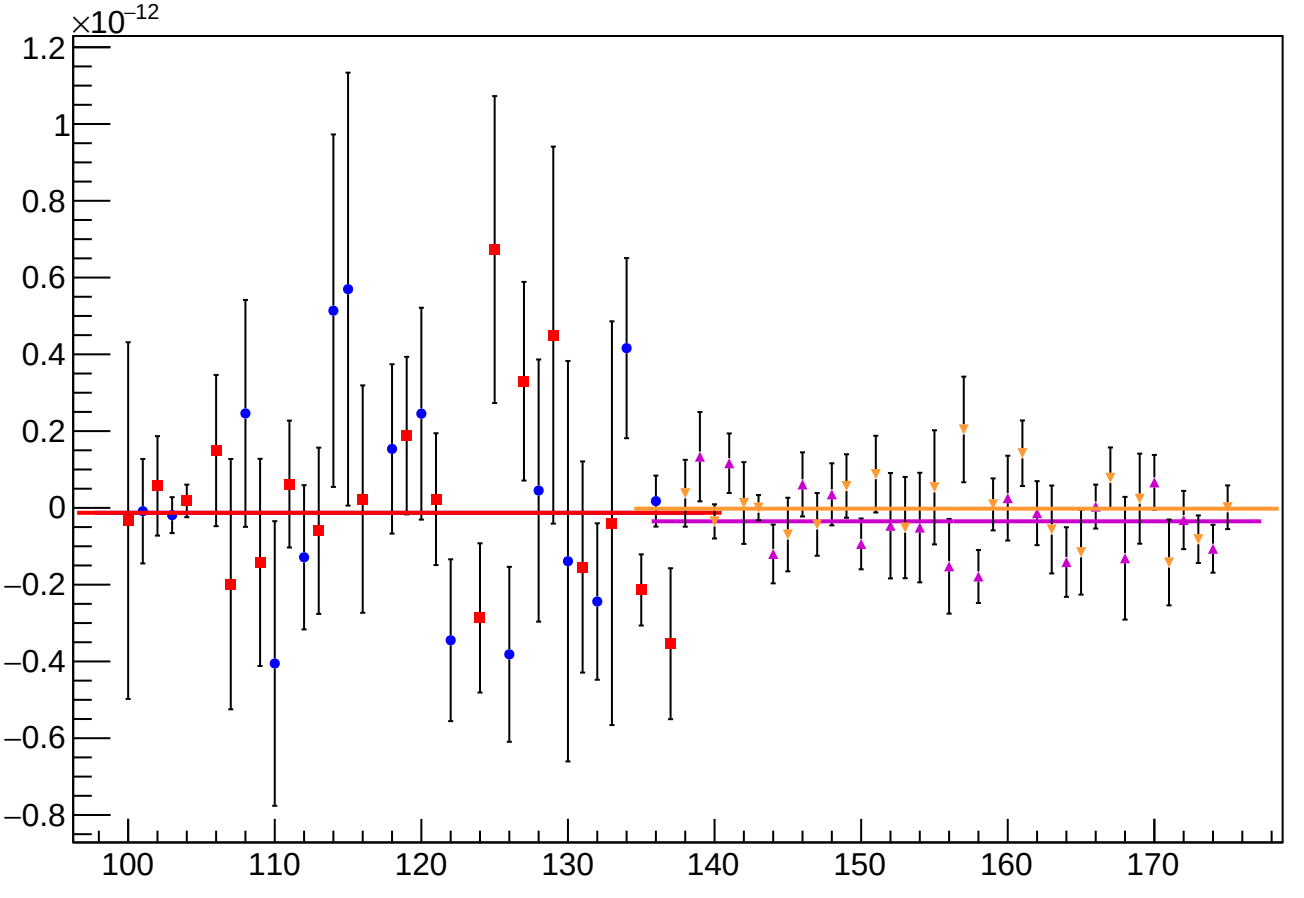
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 217.682+/-0.036 χ^2/NDF:5517322.5/33

Out: 208.663+/-0.035 χ^2/NDF:9176685.7/38

All: 213.102+/-0.025 χ^2/NDF: 14726275.5/72

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/17

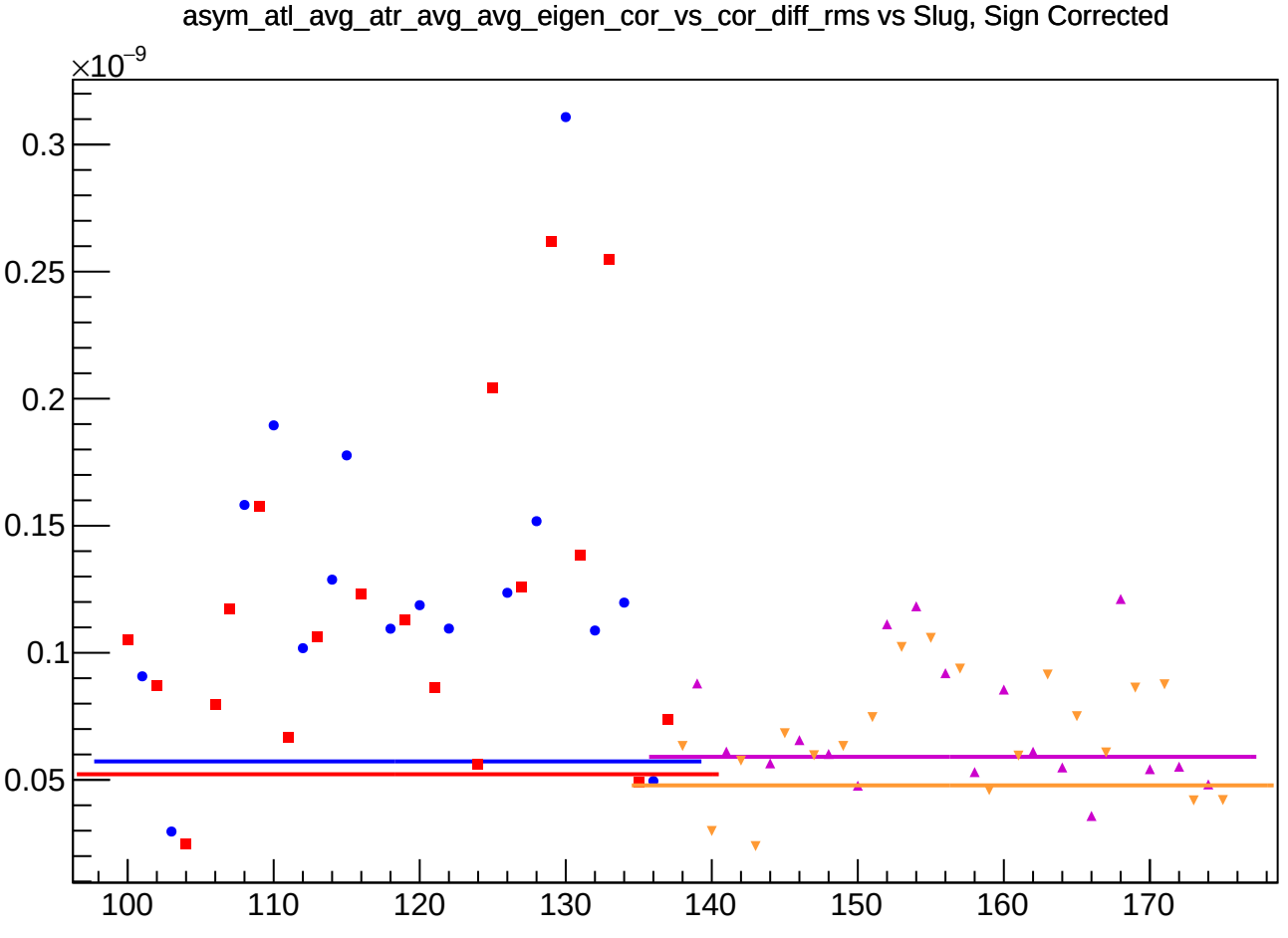
Left: -0.000+/-0.000 χ^2/NDF: 36.6/37

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:37.6/33

Out: -0.000+/-0.000 χ^2/NDF:32.8/38

All: -0.000+/-0.000 χ^2/NDF: 71.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3706776.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1817489.5/17

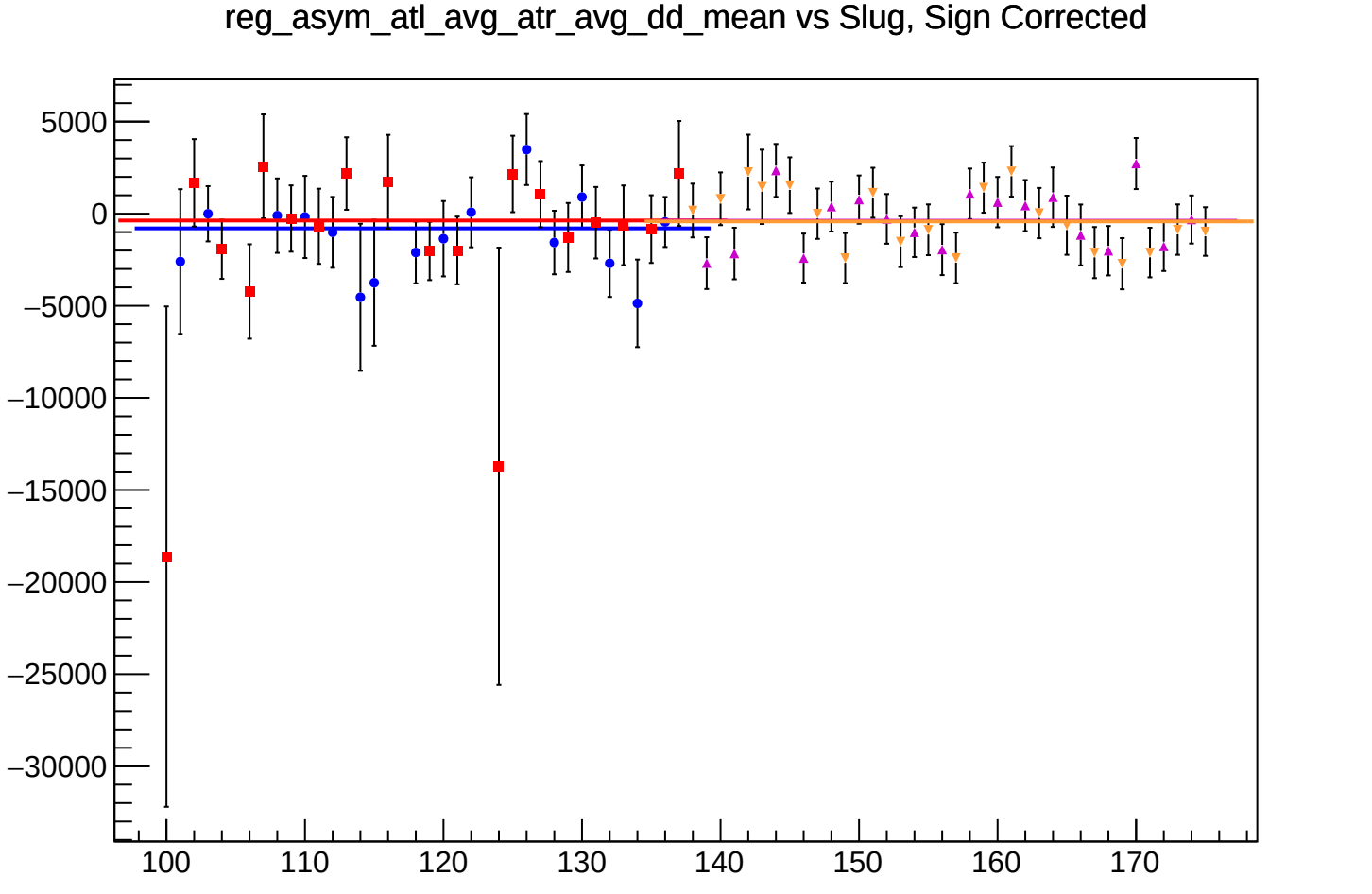
Left: 0.000+/-0.000 χ^2/NDF: 5913335.2/37

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4805092.2/33

Out: 0.000+/-0.000 χ^2/NDF:7024932.4/38

All: 0.000+/-0.000 χ^2/NDF: 12222297.1/72



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -382.635+/-326.503 χ^2/NDF:23.3/17

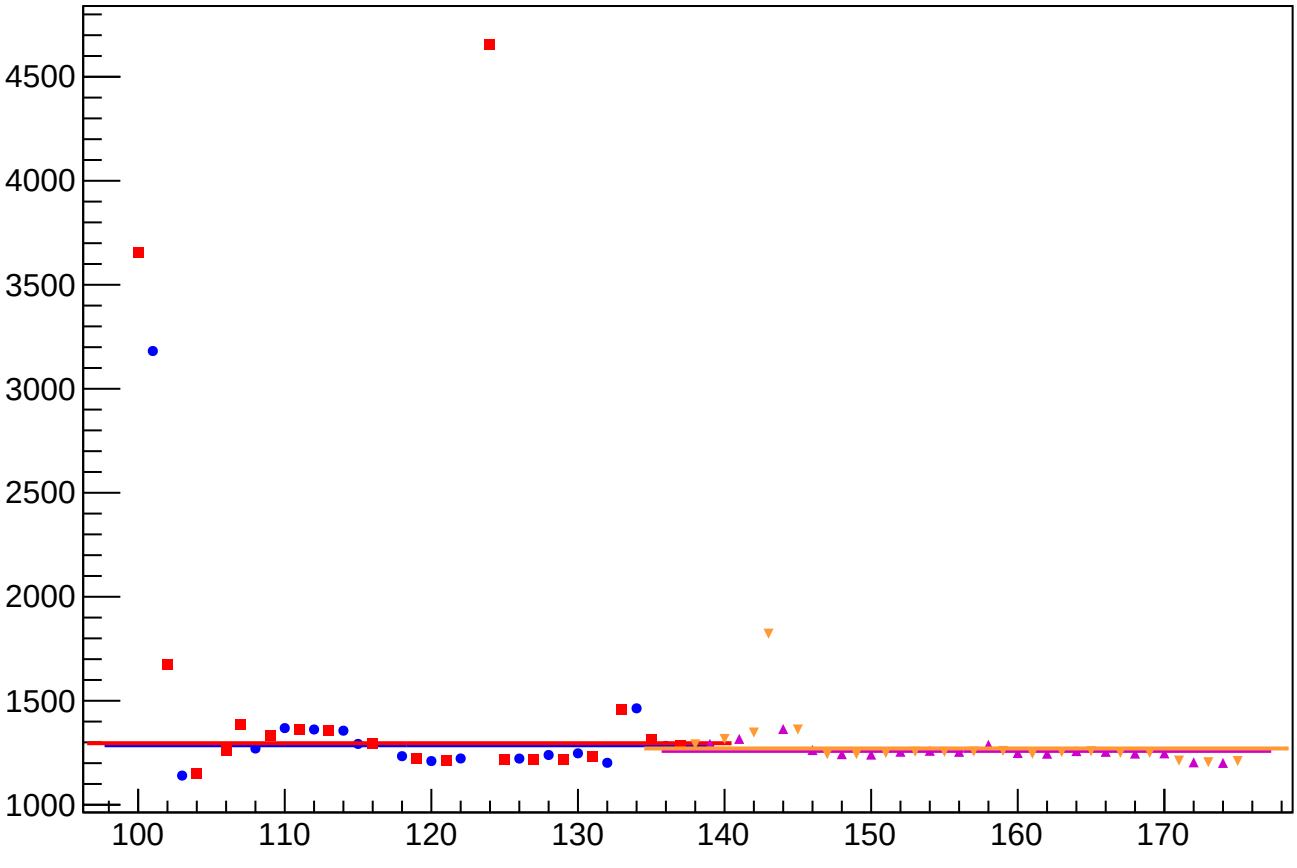
Left: -400.323+/-228.469 χ^2/NDF: 46.8/37

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -511.053+/-271.272 χ^2/NDF:37.2/33

Out: -402.999+/-267.127 χ^2/NDF:39.1/38

All: -456.194+/-190.336 χ^2/NDF: 76.4/72



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1264.969+/-0.162 χ^2/NDF: 206120.1/37

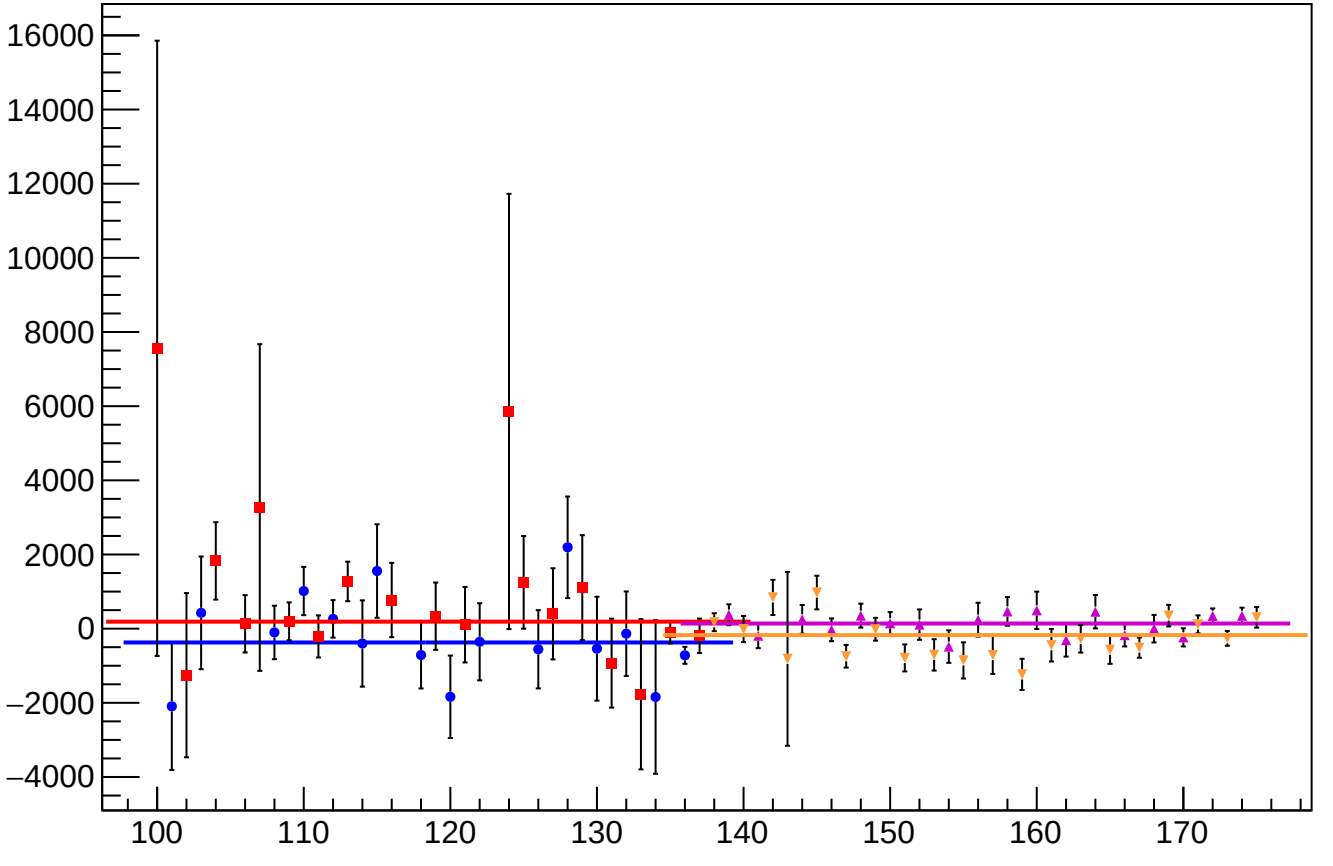
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1267.422+/-0.192 χ^2/NDF:547203.9/33

Out: 1278.299+/-0.189 χ^2/NDF:511855.8/38

All: 1272.944+/-0.135 χ^2/NDF: 1060692.4/72

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -173.360+/-74.015 χ^2/NDF:41.9/19

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 138.419+/-75.356 χ^2/NDF:12.8/17

Left: -20.269+/-52.804 χ^2/NDF: 63.4/37

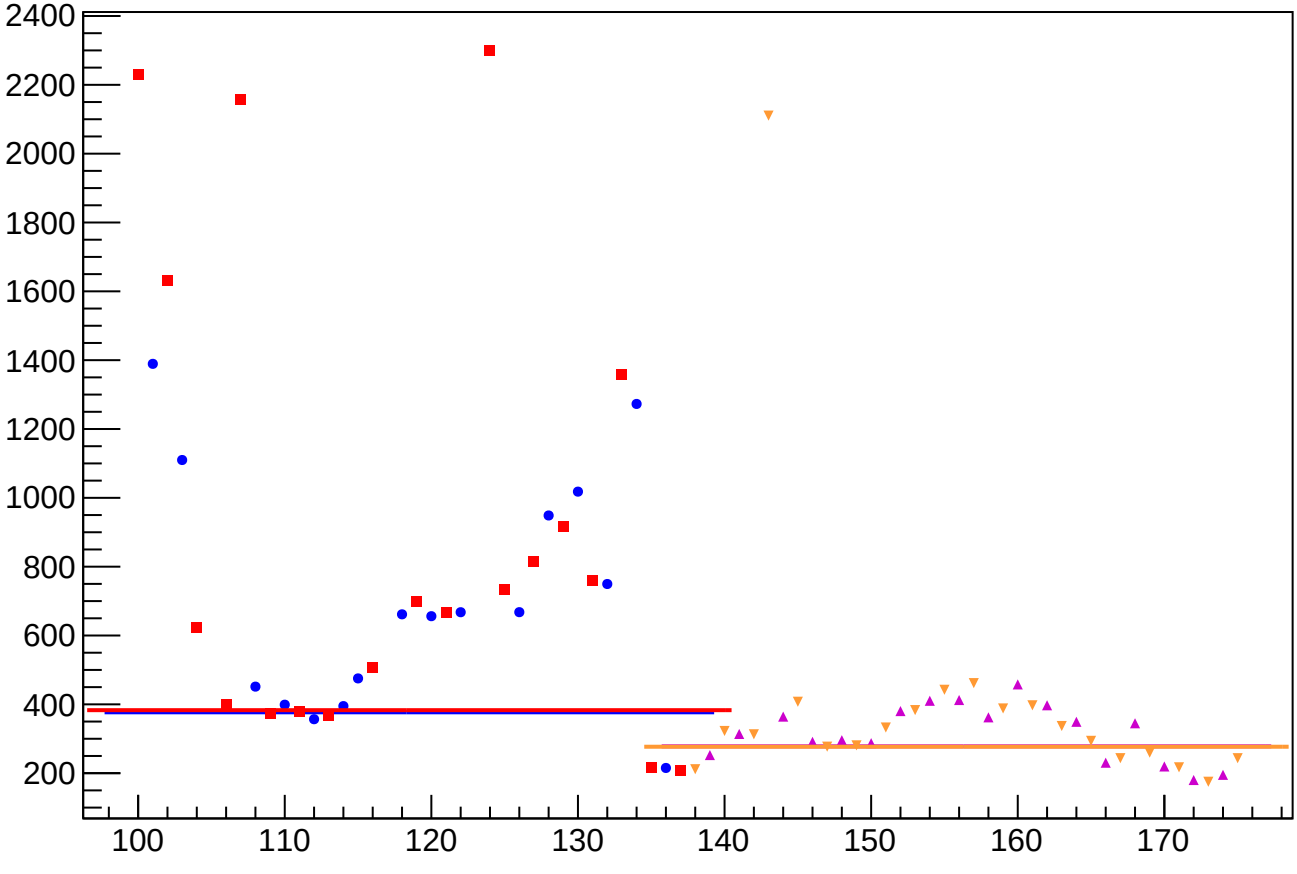
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 53.044+/-68.770 χ^2/NDF:38.6/33

Out: -115.383+/-67.835 χ^2/NDF:60.4/38

All: -32.322+/-48.294 χ^2/NDF: 102.0/72

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 276.848+/-0.052 χ^2/NDF:3300805.1/19

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

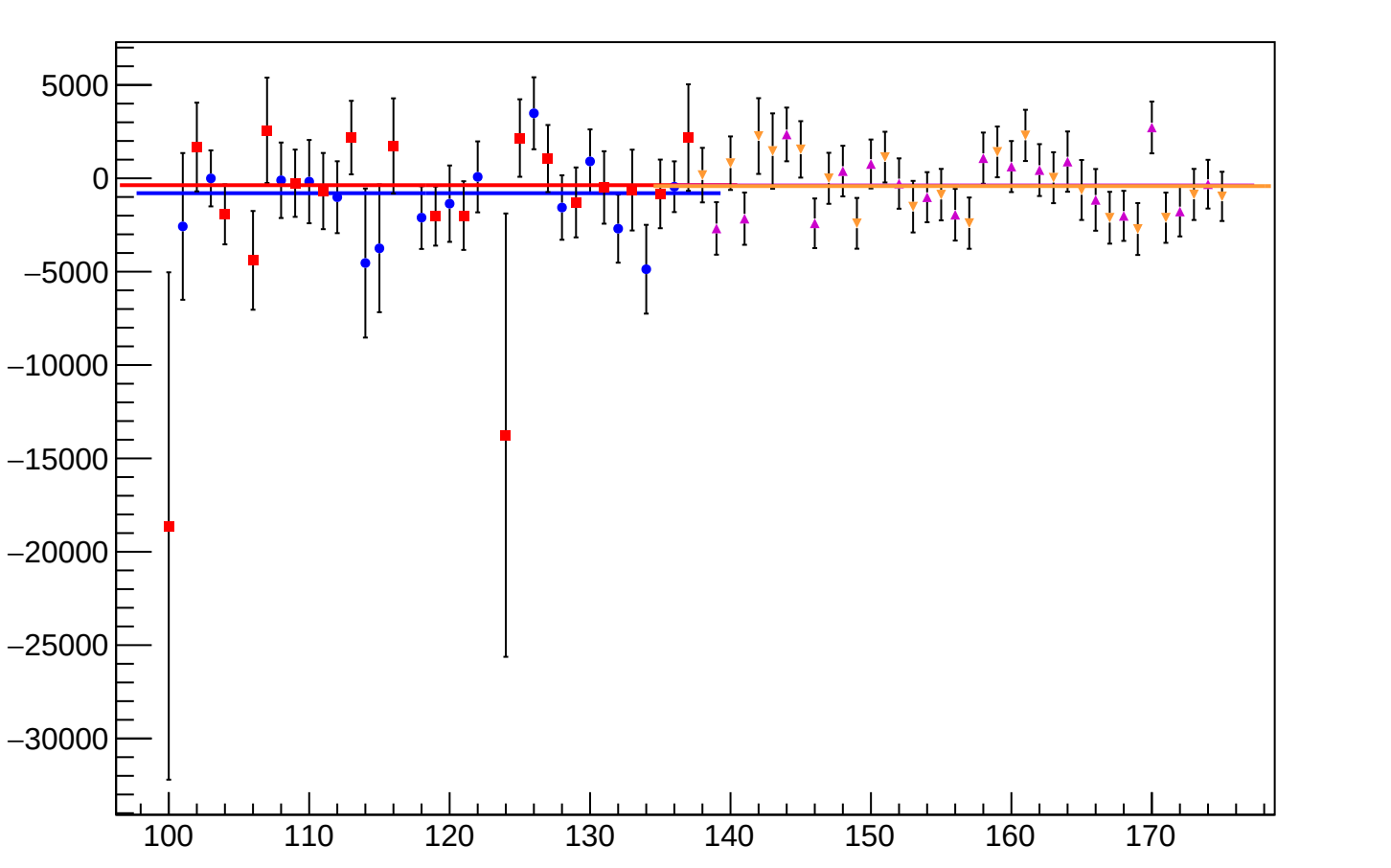
Left: 277.415+/-0.037 χ^2/NDF: 5466425.9/37

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.534+/-0.049 χ^2/NDF:6931297.0/33

Out: 293.846+/-0.048 χ^2/NDF:8014154.6/38

All: 294.185+/-0.034 χ^2/NDF: 14945553.0/72



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

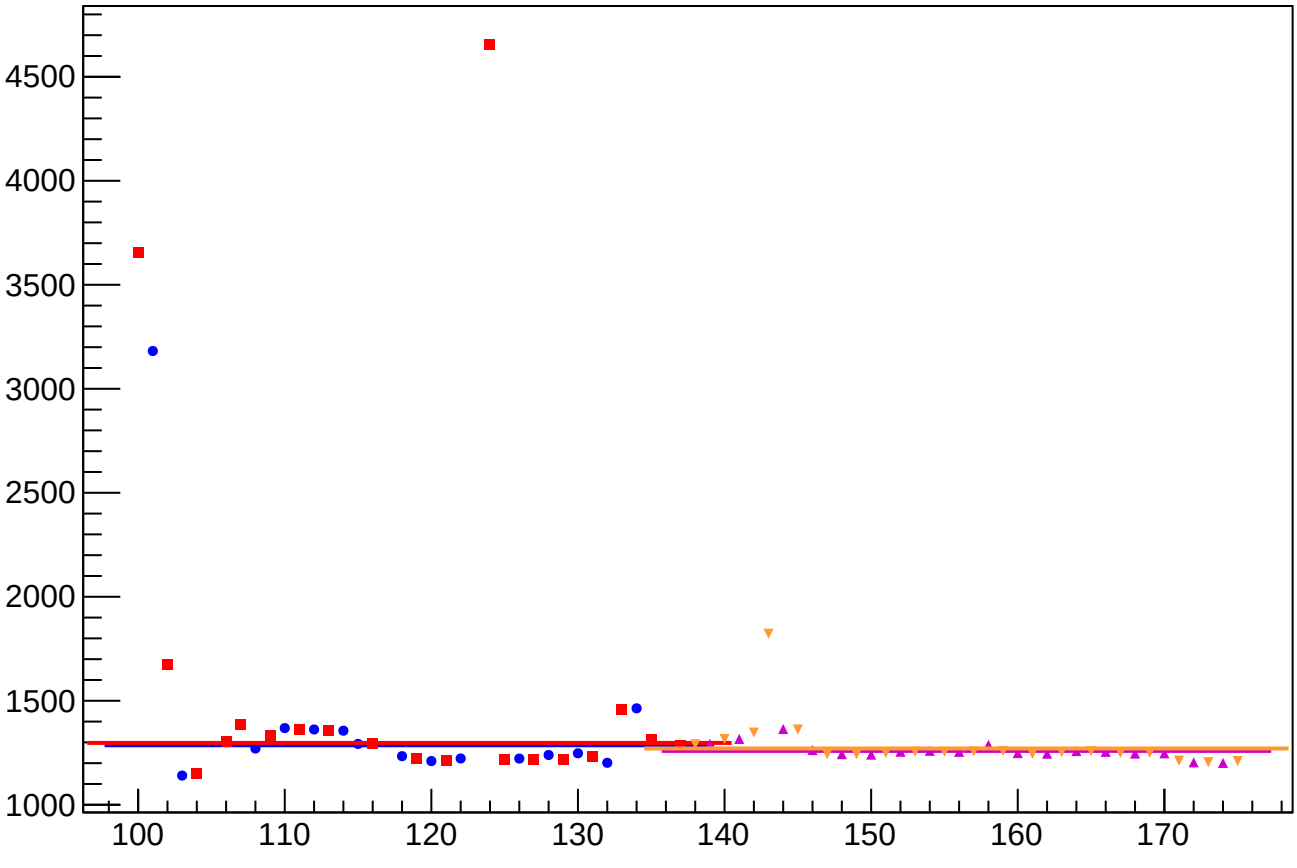
Left: -400.277+/-228.469 χ^2/NDF: 46.8/37

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -455.741+/-190.367 χ^2/NDF: 76.5/72



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1264.969+/-0.162 χ^2/NDF: 206120.1/37

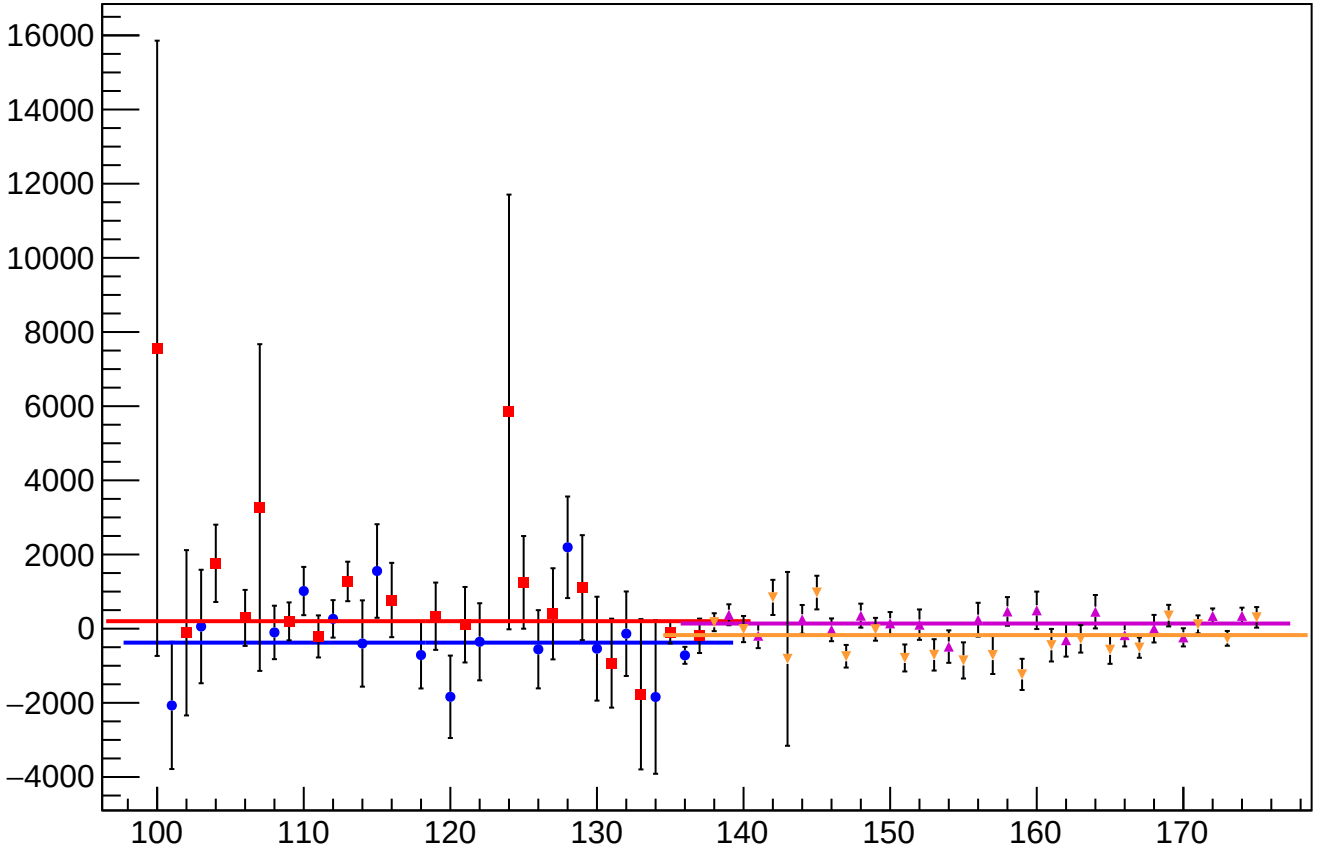
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -20.222+/-52.806 χ^2/NDF: 63.4/37

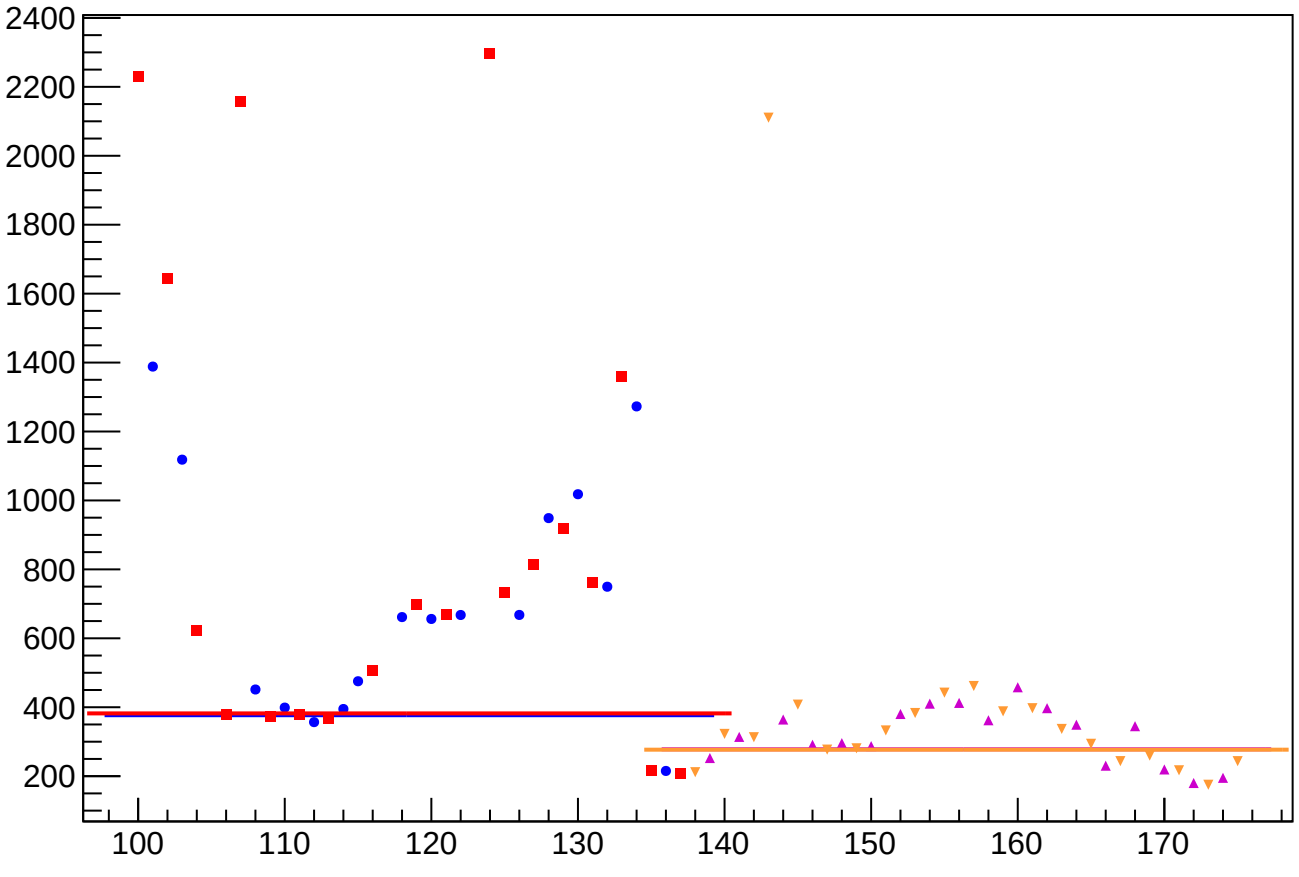
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.528+/-48.291 χ^2/NDF: 101.5/72

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

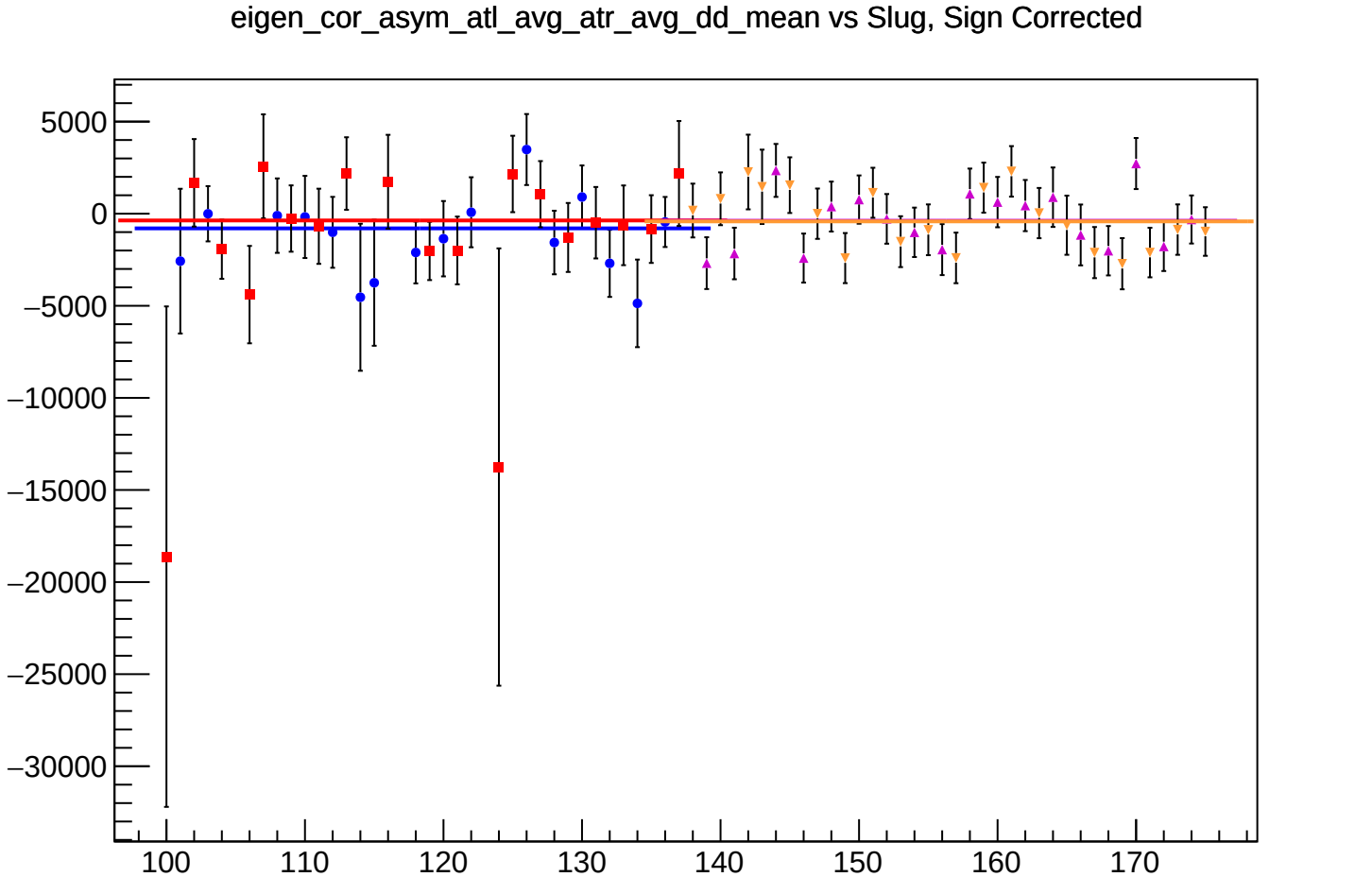
Left: 277.424+/-0.037 χ^2/NDF: 5466013.3/37

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

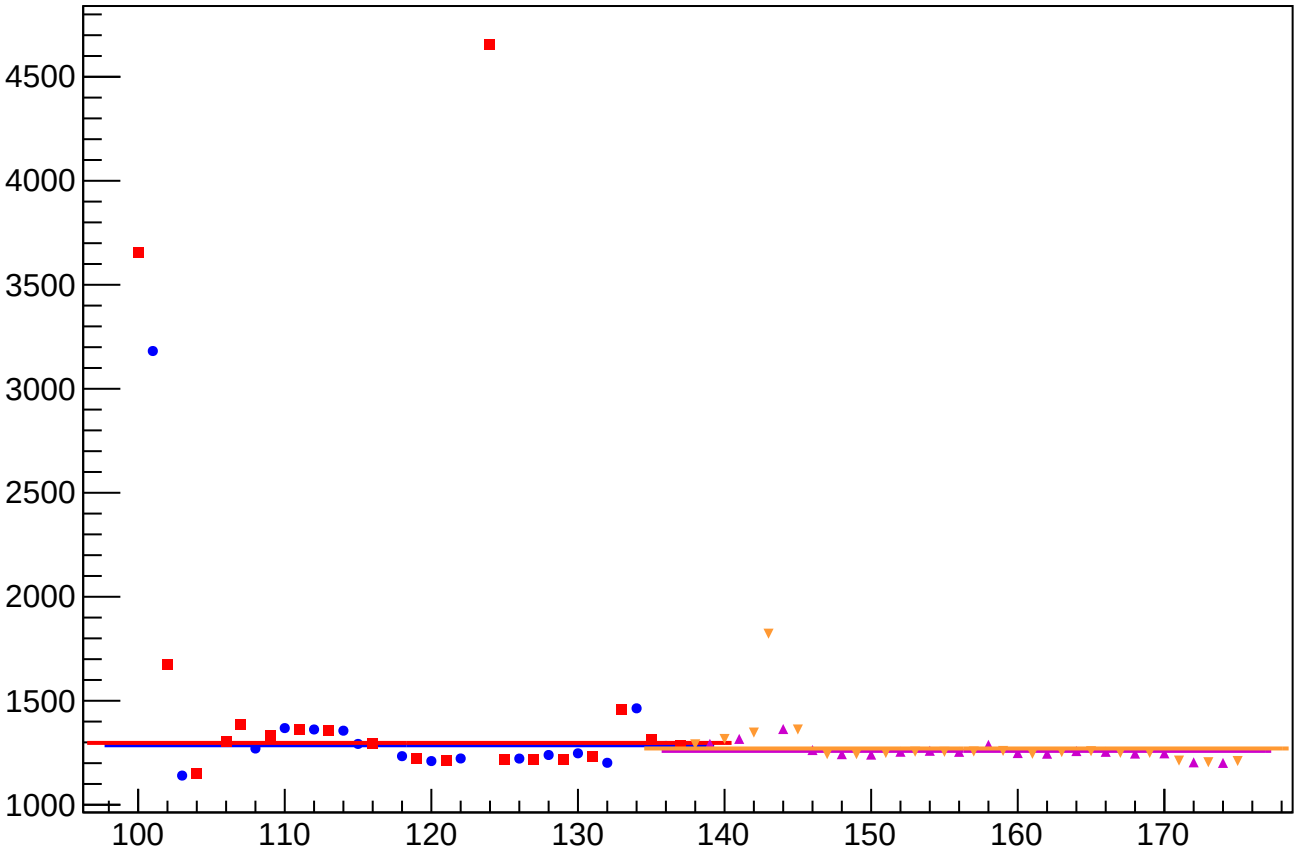
Left: -400.277+/-228.469 χ^2/NDF: 46.8/37

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -455.741+/-190.367 χ^2/NDF: 76.5/72



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1264.969+/-0.162 χ^2/NDF: 206120.1/37

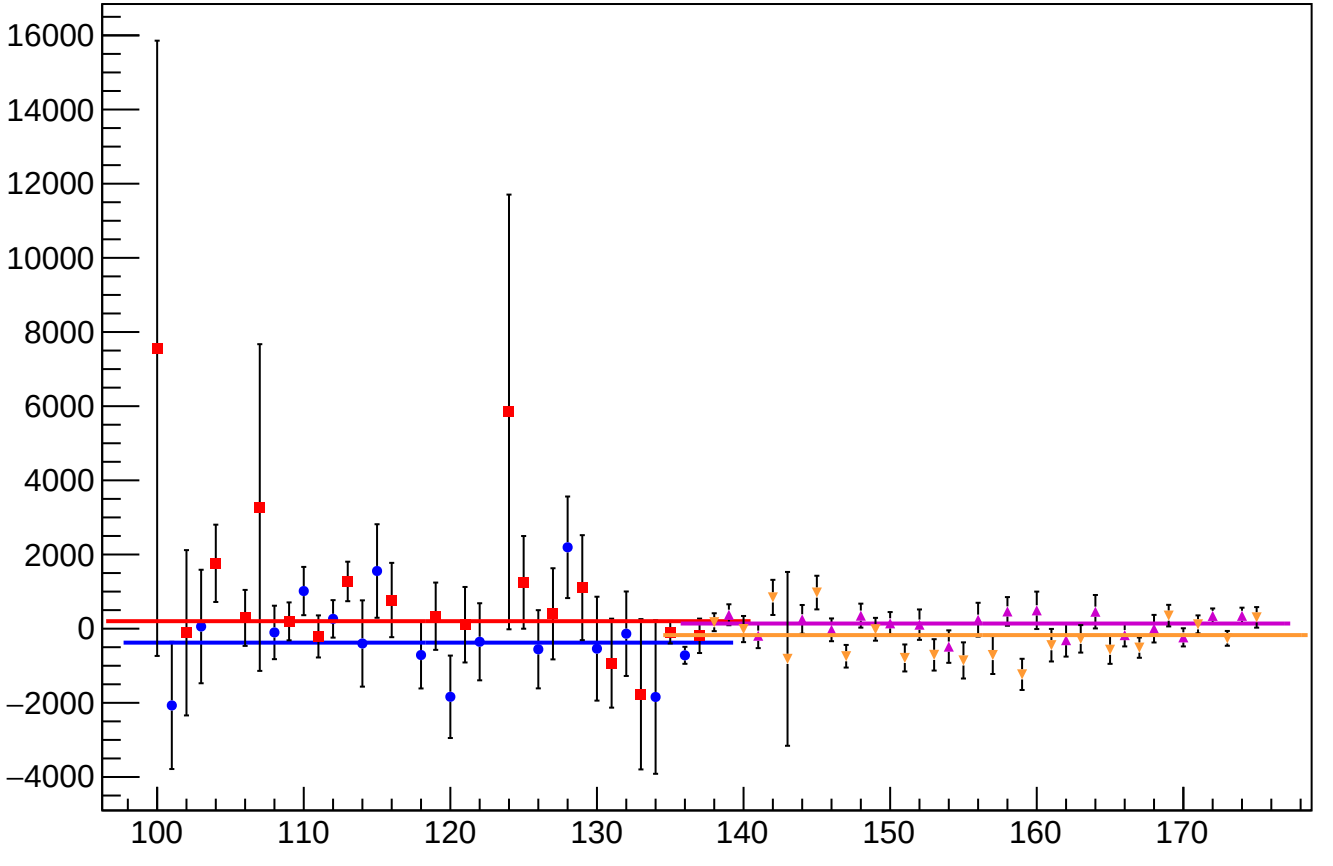
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -20.222+/-52.806 χ^2/NDF: 63.4/37

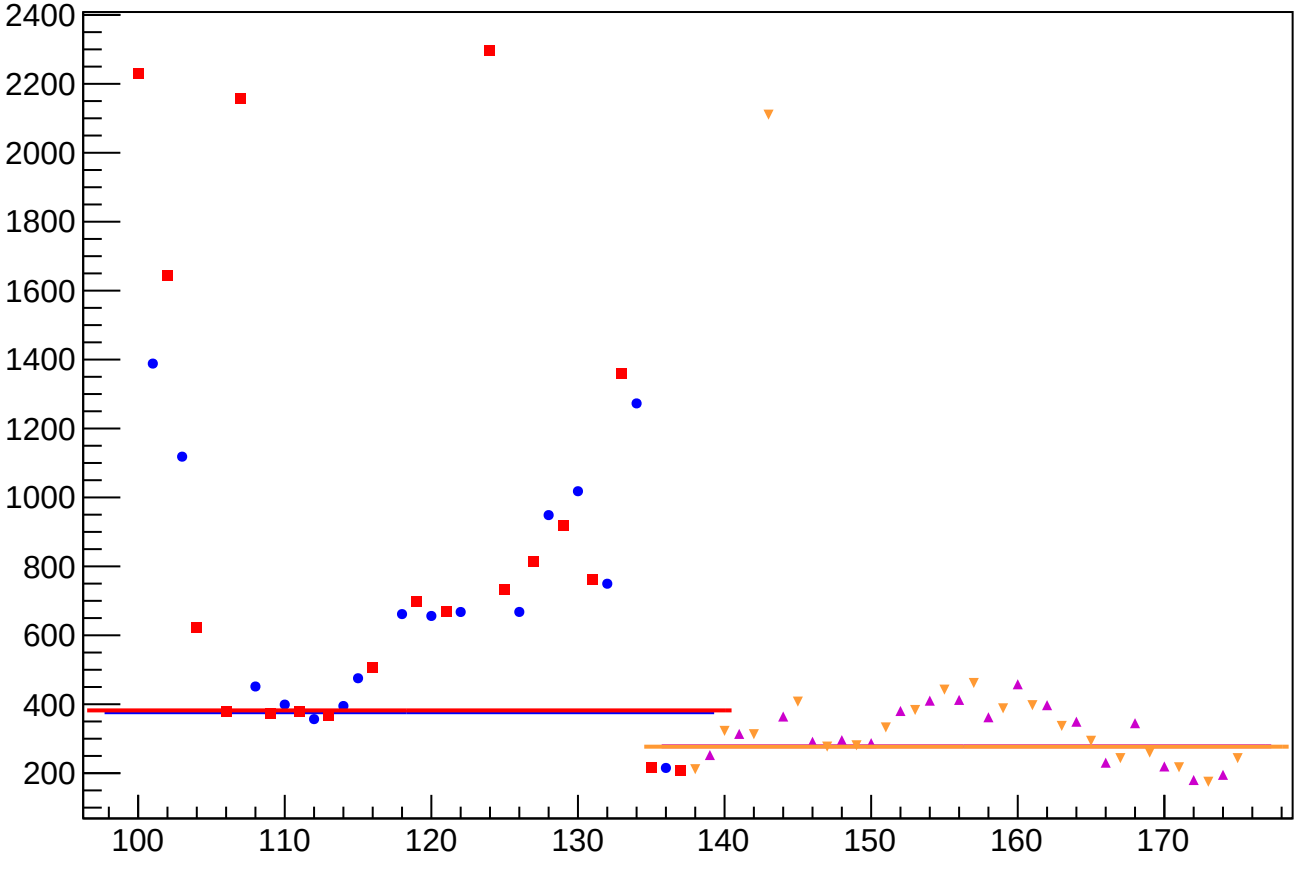
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.528+/-48.291 χ^2/NDF: 101.5/72

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

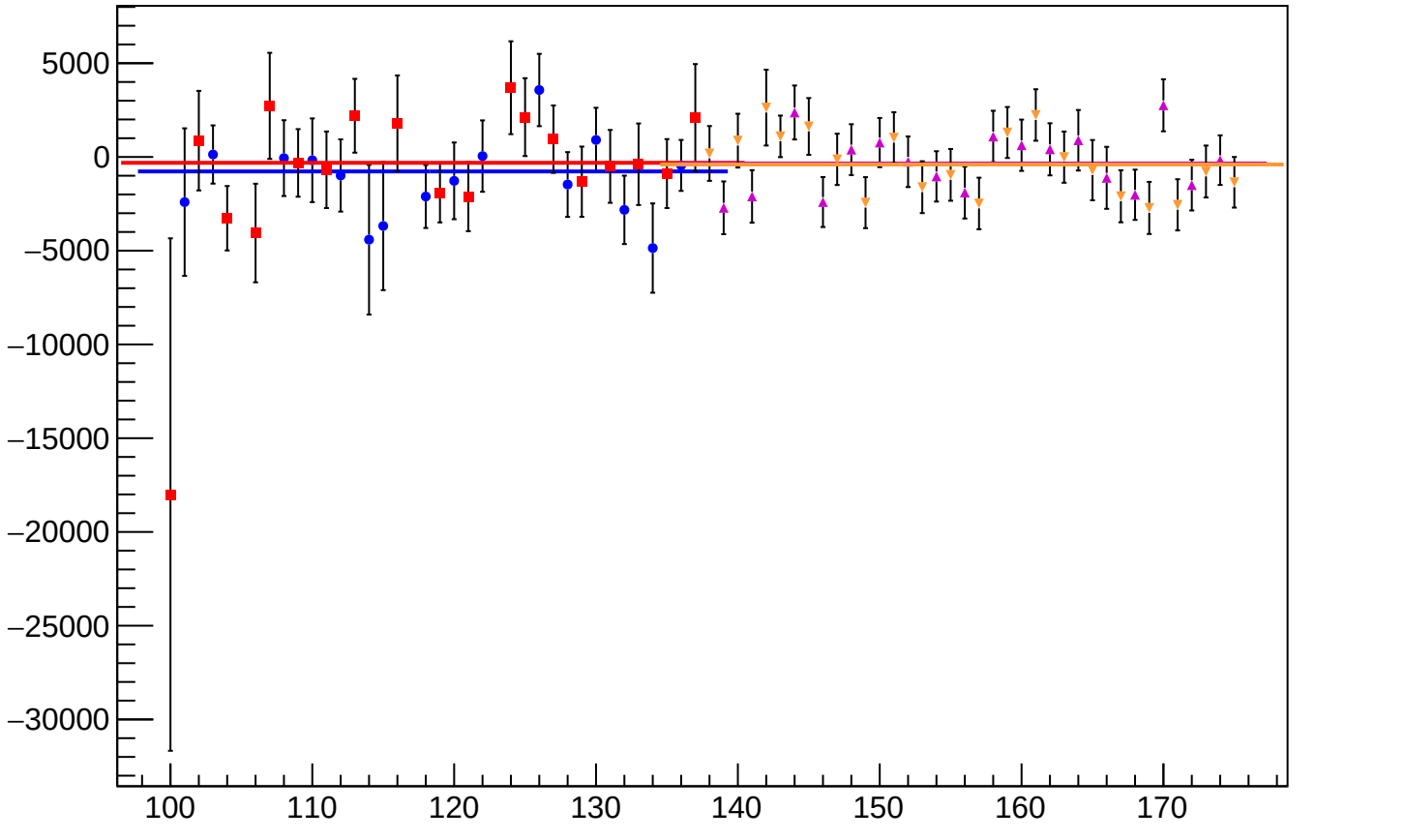
Left: 277.424+/-0.037 χ^2/NDF: 5466013.3/37

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -347.668+/-327.223 χ^2/NDF:22.9/17

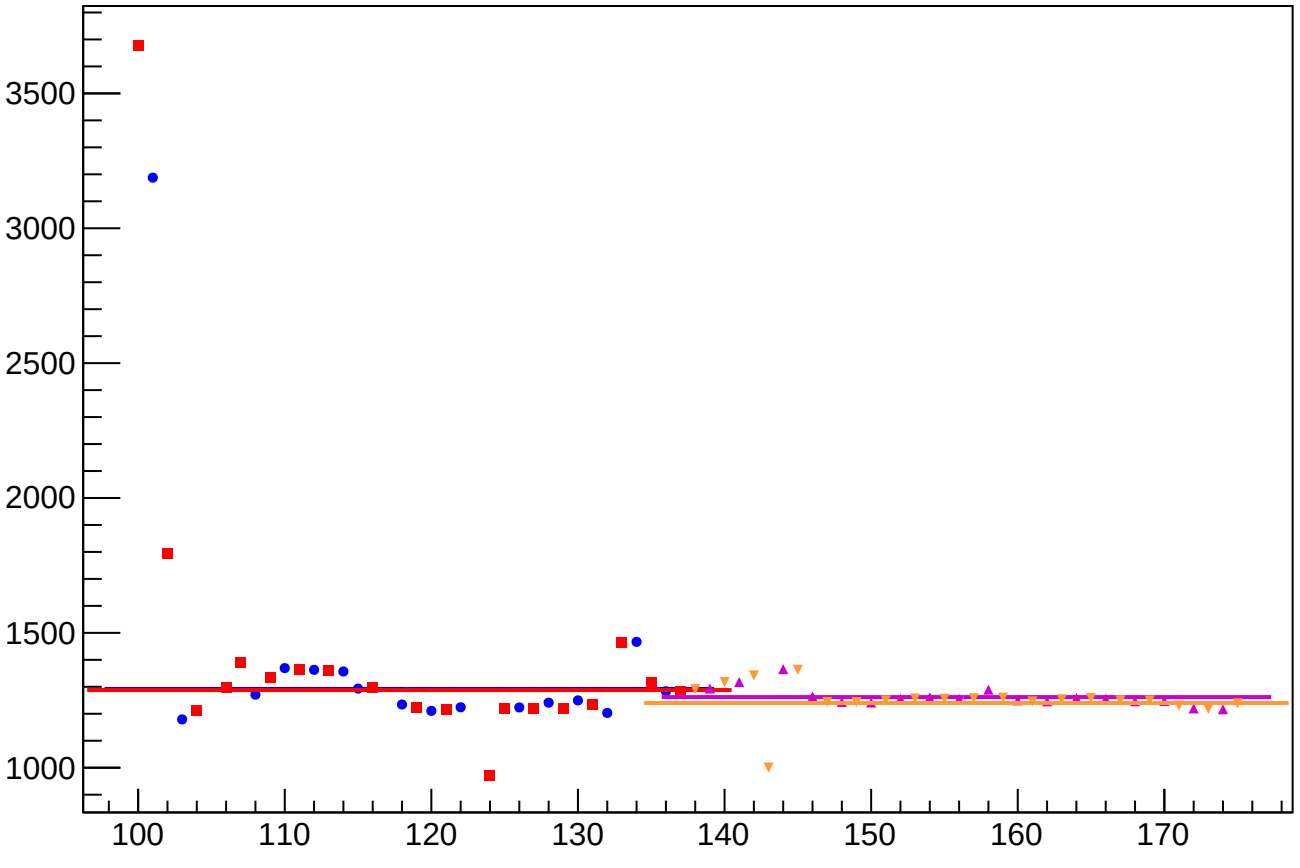
Left: -375.052+/-225.745 χ^2/NDF: 49.1/37

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -478.532+/-272.055 χ^2/NDF:37.0/33

Out: -373.857+/-261.922 χ^2/NDF:44.1/38

All: -424.209+/-188.688 χ^2/NDF: 81.2/72



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

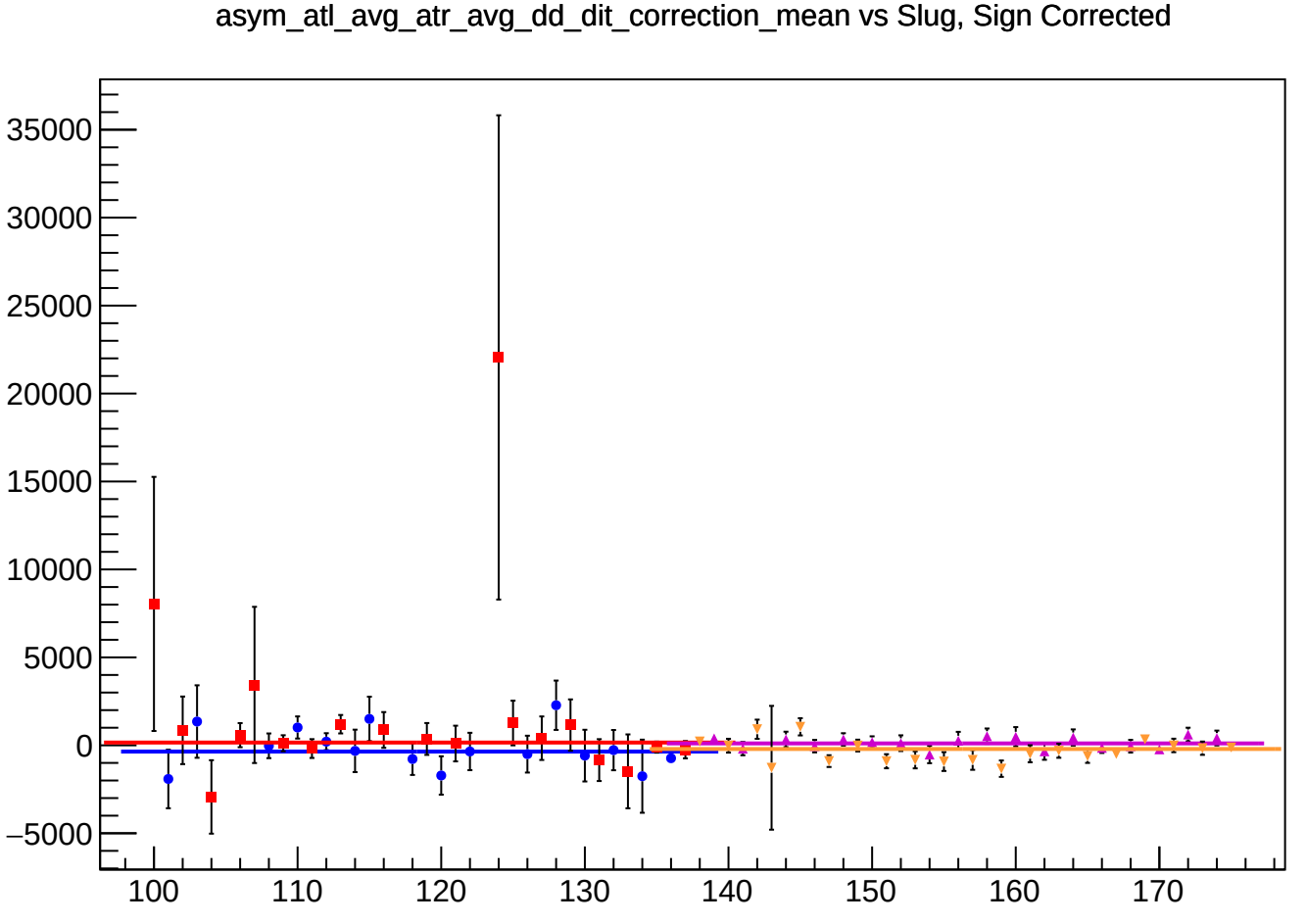
Left: 1250.450+/-0.160 χ^2/NDF: 149058.3/37

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.197+/-0.192 χ^2/NDF:536095.5/33

Out: 1254.177+/-0.185 χ^2/NDF:346070.9/38

All: 1262.364+/-0.133 χ^2/NDF: 886228.4/72



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -208.923+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 109.070+/-87.398 χ^2/NDF:12.4/17

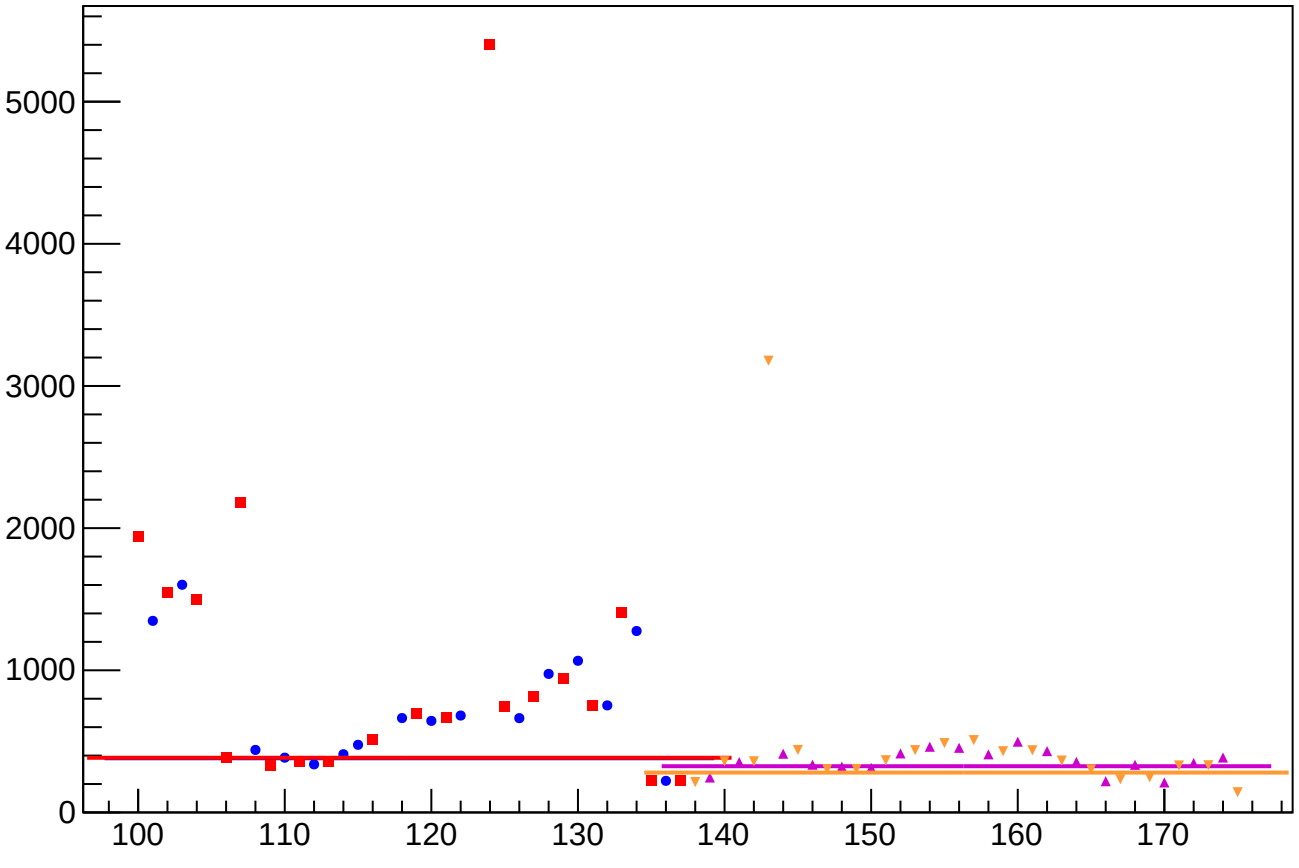
Left: -69.178+/-57.938 χ^2/NDF: 59.1/37

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 11.982+/-77.725 χ^2/NDF:36.7/33

Out: -145.749+/-70.407 χ^2/NDF:59.0/38

All: -74.656+/-52.181 χ^2/NDF: 98.0/72



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

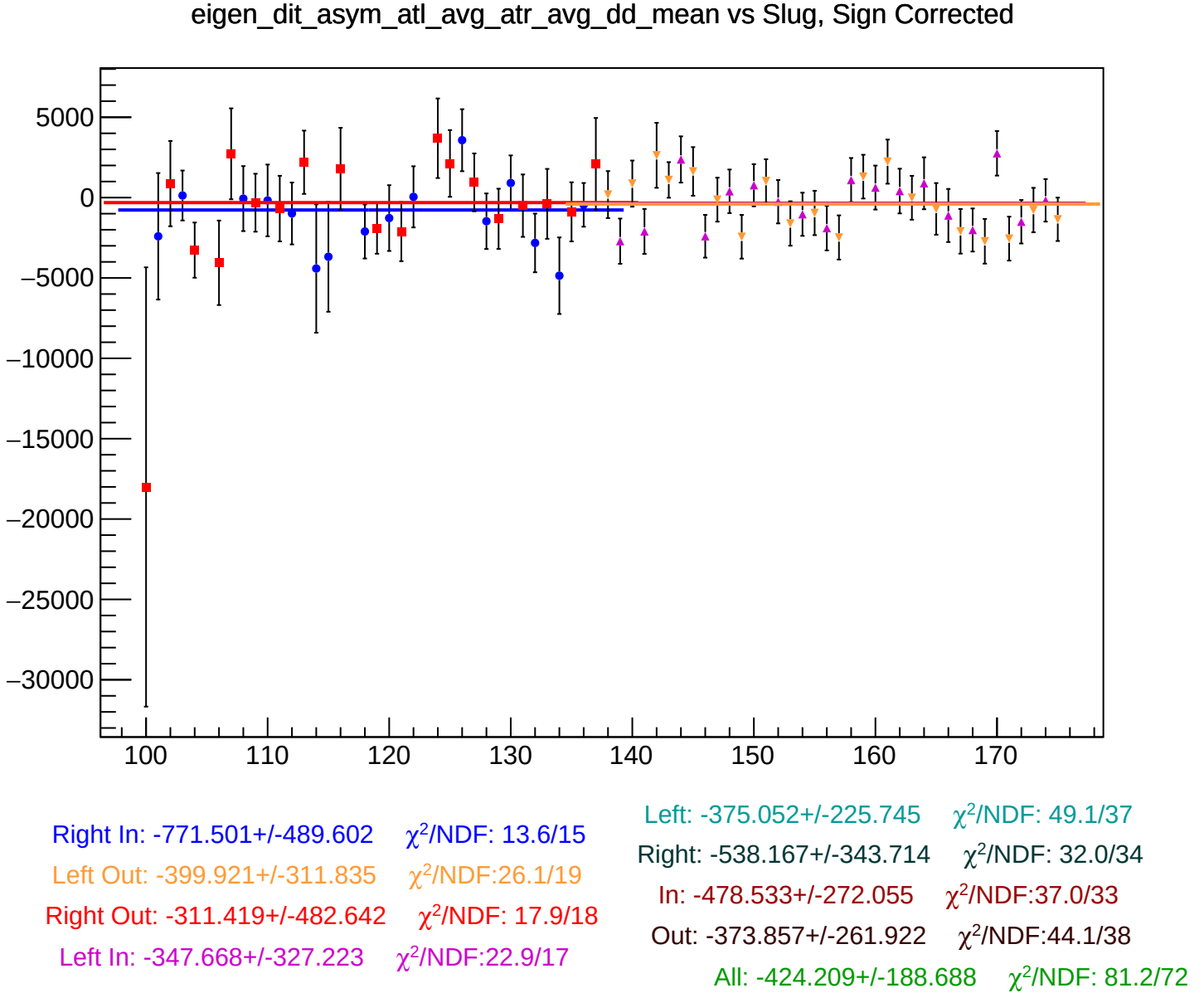
Left: 300.182+/-0.041 χ^2/NDF: 7015261.4/37

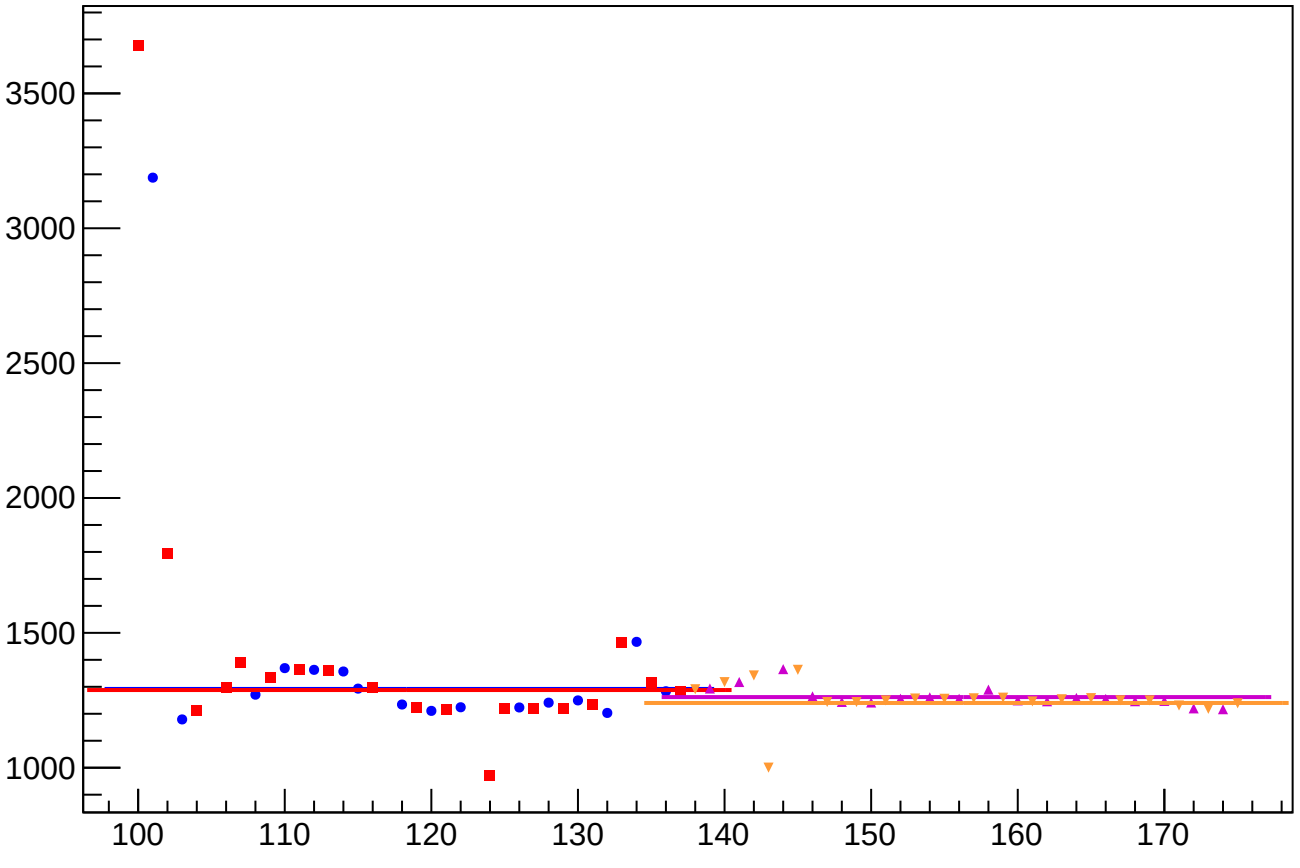
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 336.984+/-0.055 χ^2/NDF:6283565.6/33

Out: 298.457+/-0.050 χ^2/NDF:10112054.8/38

All: 315.822+/-0.037 χ^2/NDF: 16665528.5/72


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -399.921+/-311.835 χ²/NDF:26.1/19
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -347.668+/-327.223 χ²/NDF:22.9/17
Left: -375.052+/-225.745 χ²/NDF: 49.1/37
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -478.533+/-272.055 χ²/NDF:37.0/33
Out: -373.857+/-261.922 χ²/NDF:44.1/38
All: -424.209+/-188.688 χ²/NDF: 81.2/72



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

Left: 1250.450+/-0.160 χ^2/NDF: 149057.7/37

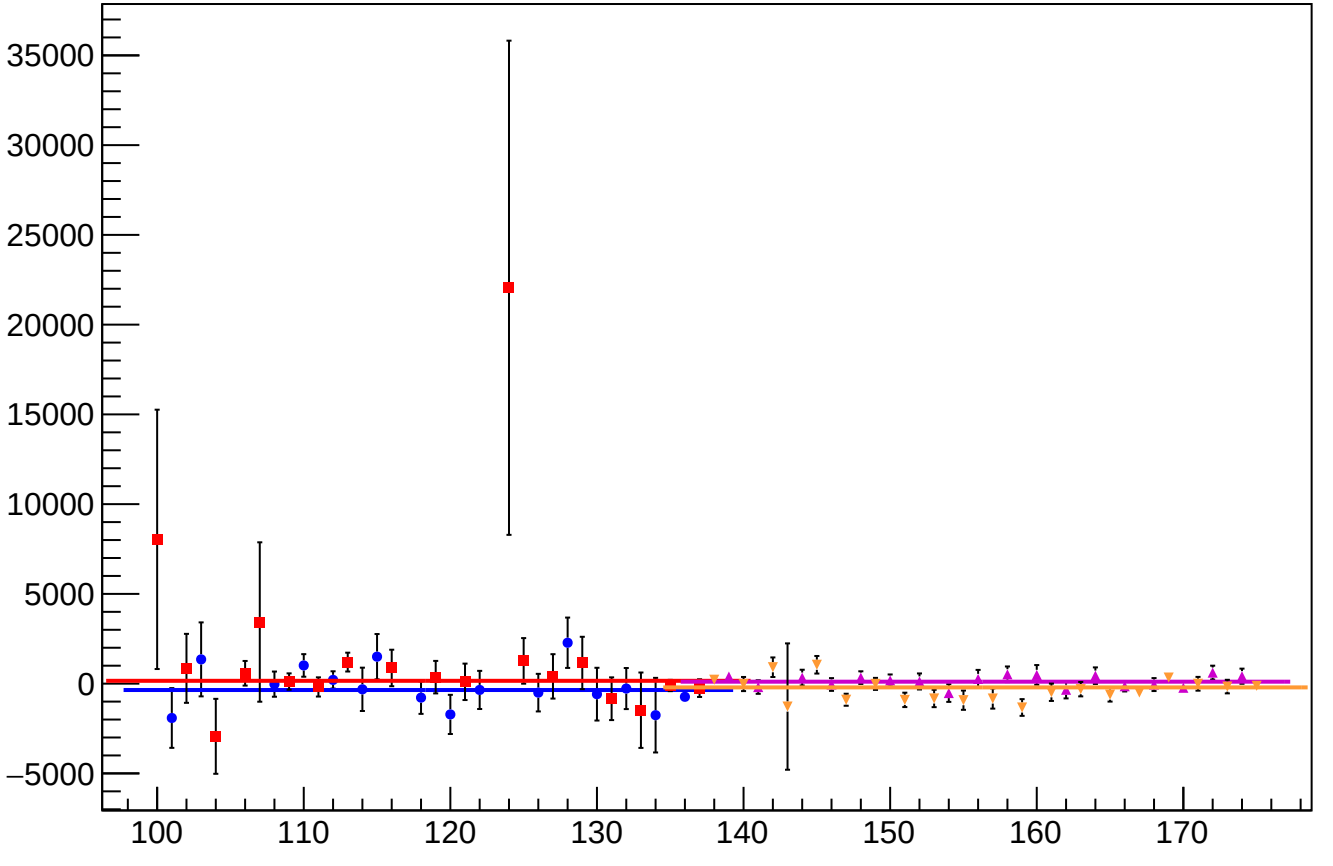
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.197+/-0.192 χ^2/NDF:536095.6/33

Out: 1254.177+/-0.185 χ^2/NDF:346070.4/38

All: 1262.364+/-0.133 χ^2/NDF: 886227.9/72

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -208.928+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 109.068+/-87.398 χ^2/NDF:12.4/17

Left: -69.181+/-57.938 χ^2/NDF: 59.1/37

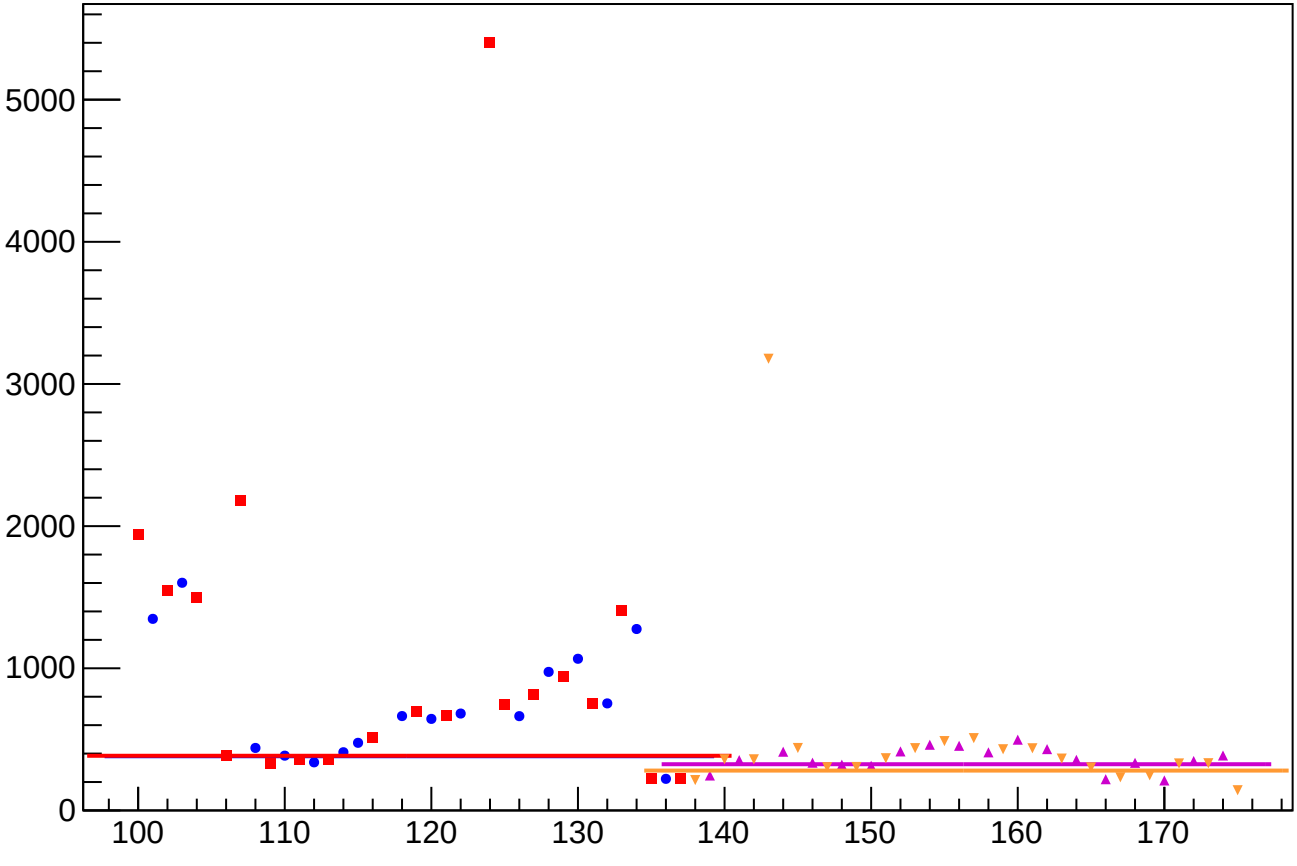
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 11.983+/-77.725 χ^2/NDF:36.7/33

Out: -145.753+/-70.408 χ^2/NDF:59.0/38

All: -74.658+/-52.182 χ^2/NDF: 98.0/72

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

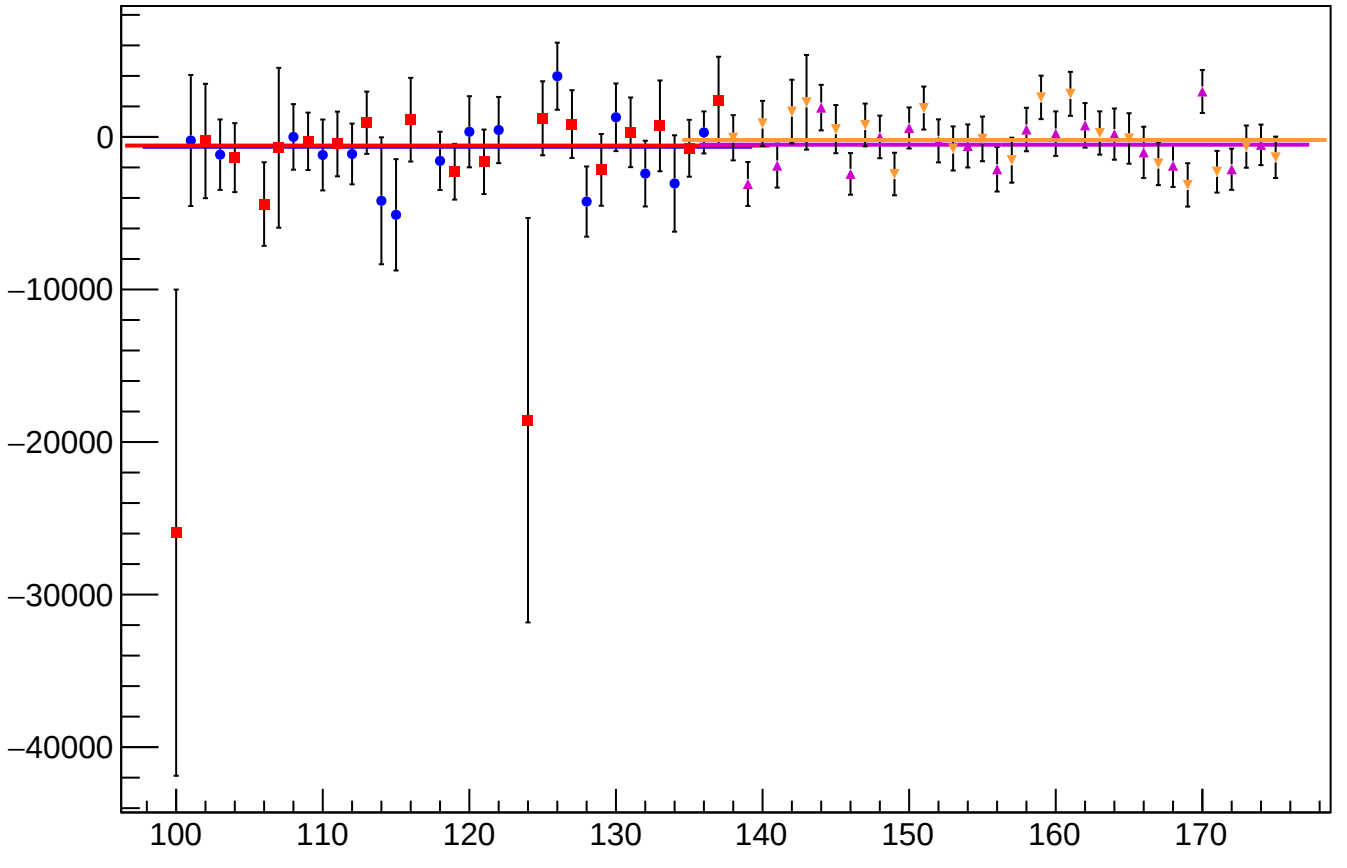
Left: 300.184+/-0.041 χ^2/NDF: 7015102.2/37

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 336.986+/-0.055 χ^2/NDF:6283363.0/33

Out: 298.460+/-0.050 χ^2/NDF:10111886.5/38

All: 315.825+/-0.037 χ^2/NDF: 16665159.2/72



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -507.426+/-337.810 χ^2/NDF:21.1/17

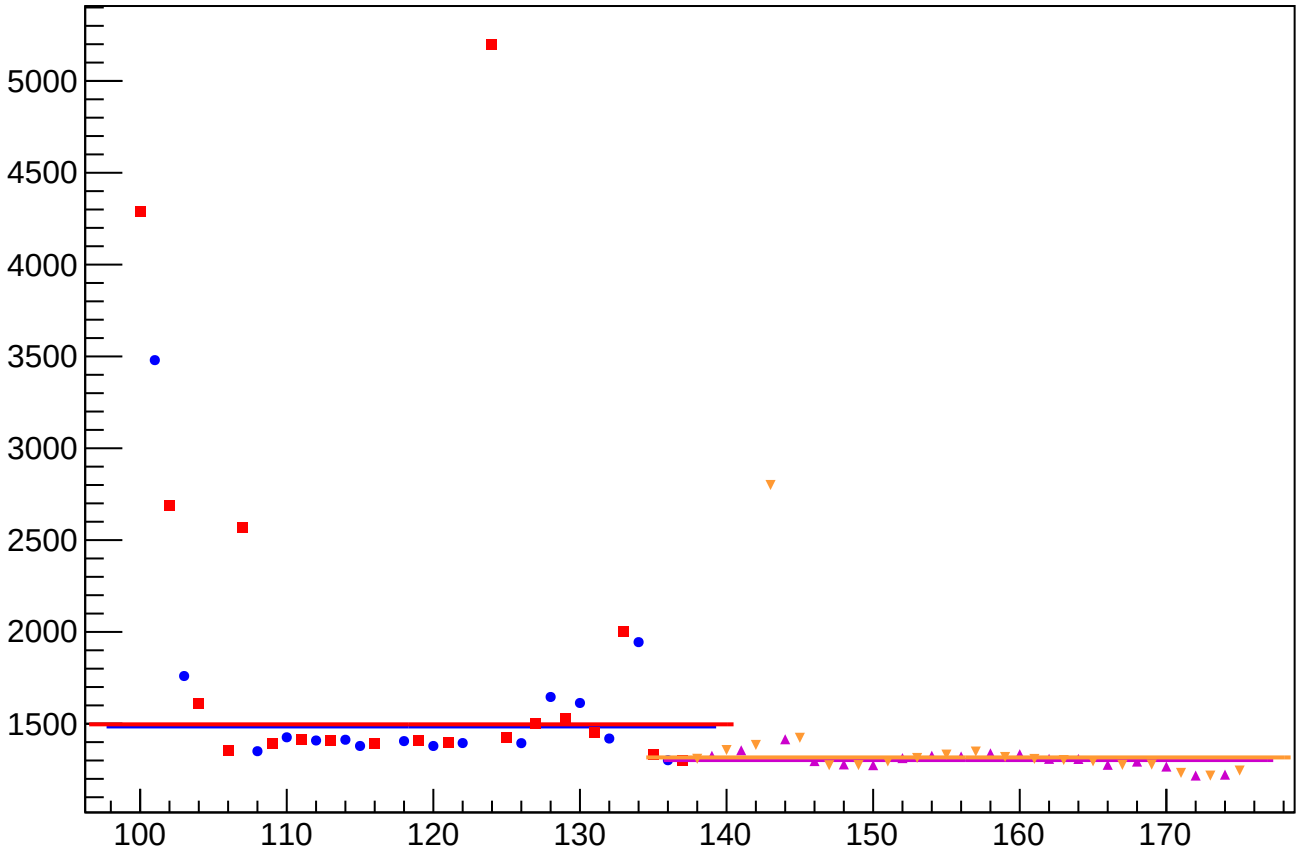
Left: -350.922+/-237.197 χ^2/NDF: 46.8/37

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -542.613+/-289.853 χ^2/NDF:33.6/33

Out: -293.349+/-287.197 χ^2/NDF:37.0/38

All: -416.834+/-204.012 χ^2/NDF: 70.9/72



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

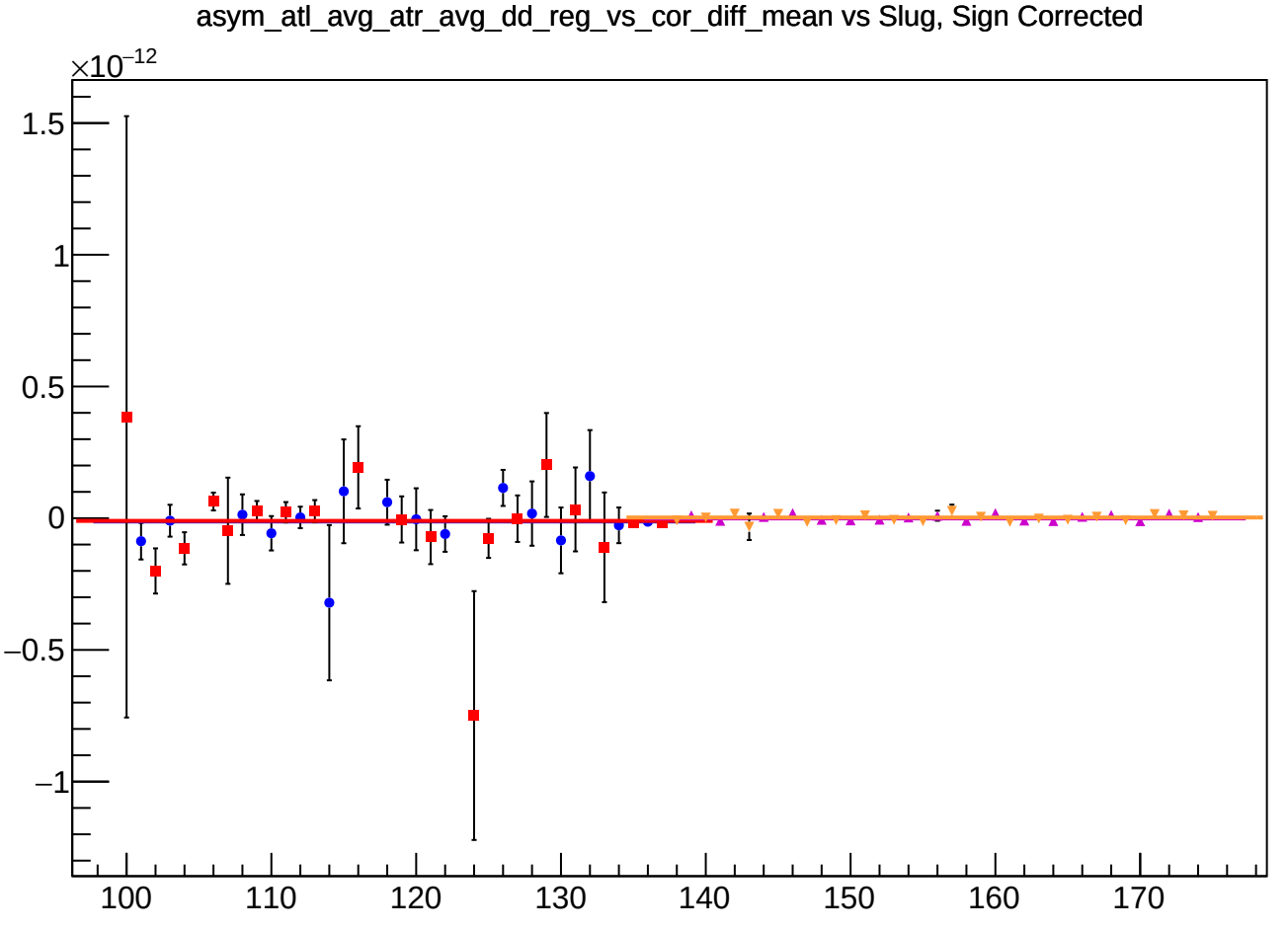
Left: 1309.643+/-0.168 χ^2/NDF: 540462.9/37

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1350.632+/-0.205 χ^2/NDF:775630.2/33

Out: 1362.981+/-0.203 χ^2/NDF:1275757.4/38

All: 1356.864+/-0.144 χ^2/NDF: 2053219.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/17

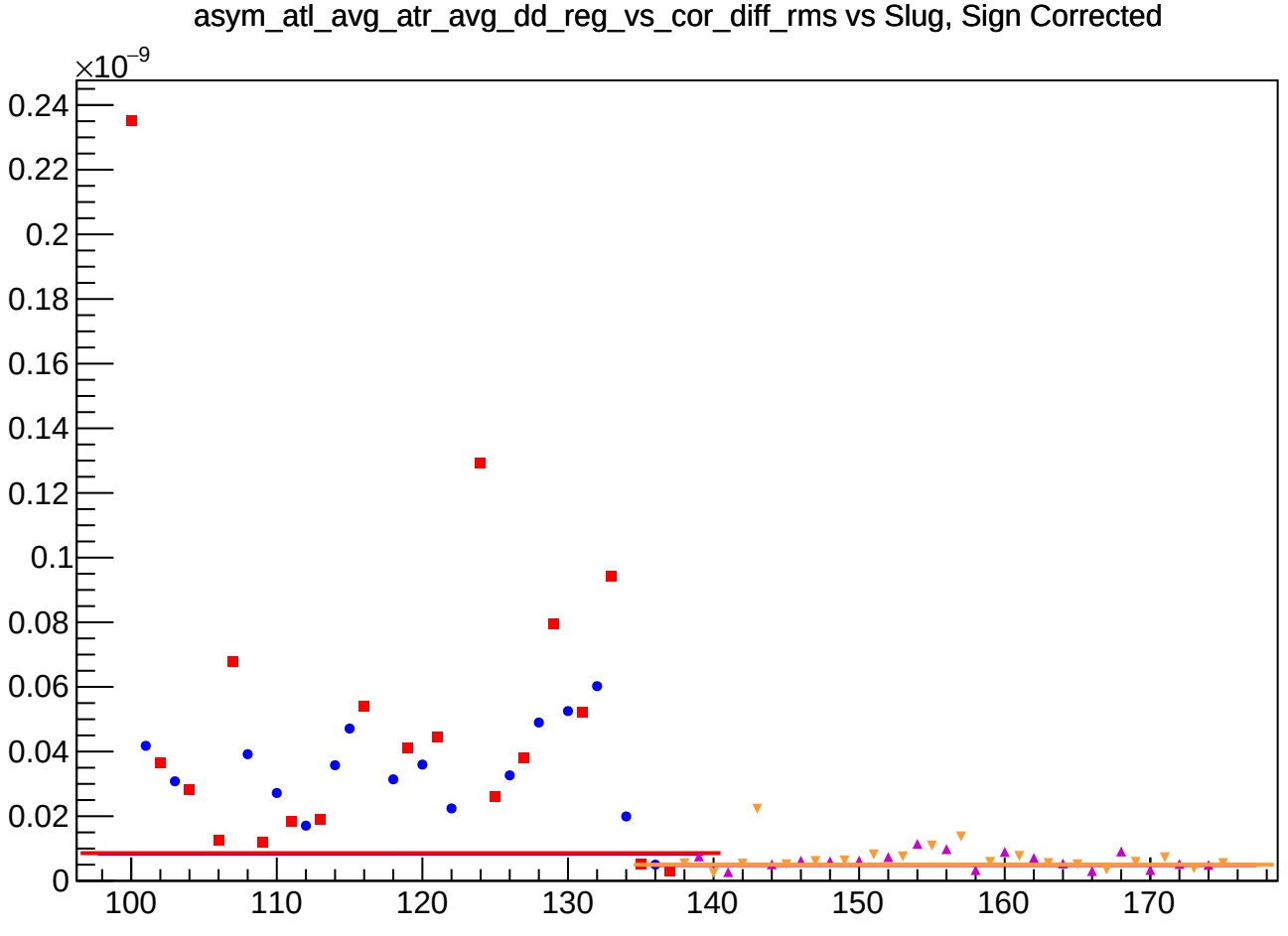
Left: 0.000+/-0.000 χ^2/NDF: 41.9/37

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.3/33

Out: 0.000+/-0.000 χ^2/NDF:43.6/38

All: 0.000+/-0.000 χ^2/NDF: 78.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

Left: 0.000+/-0.000 χ^2/NDF: 3582293.5/37

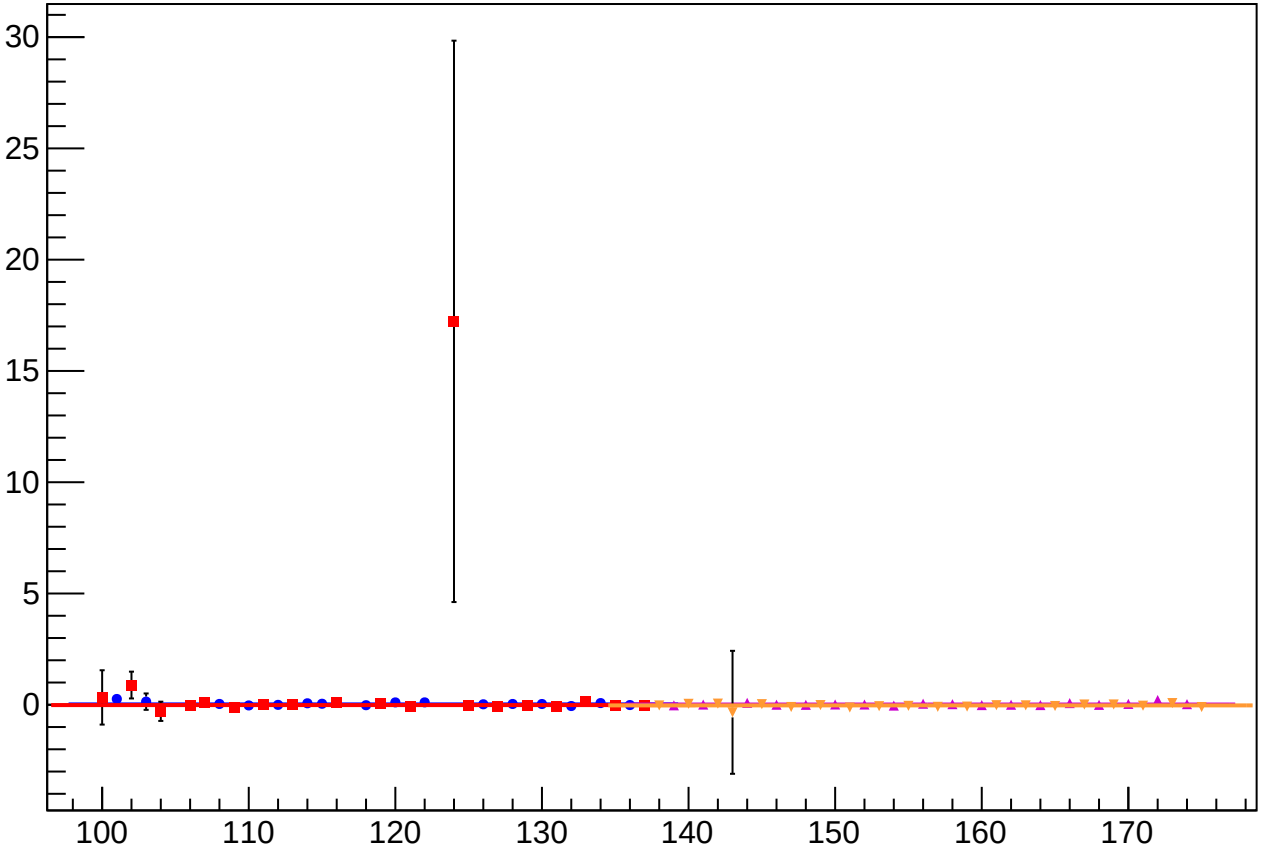
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5161149.1/33

Out: 0.000+/-0.000 χ^2/NDF:5606853.2/38

All: 0.000+/-0.000 χ^2/NDF: 10769861.1/72

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

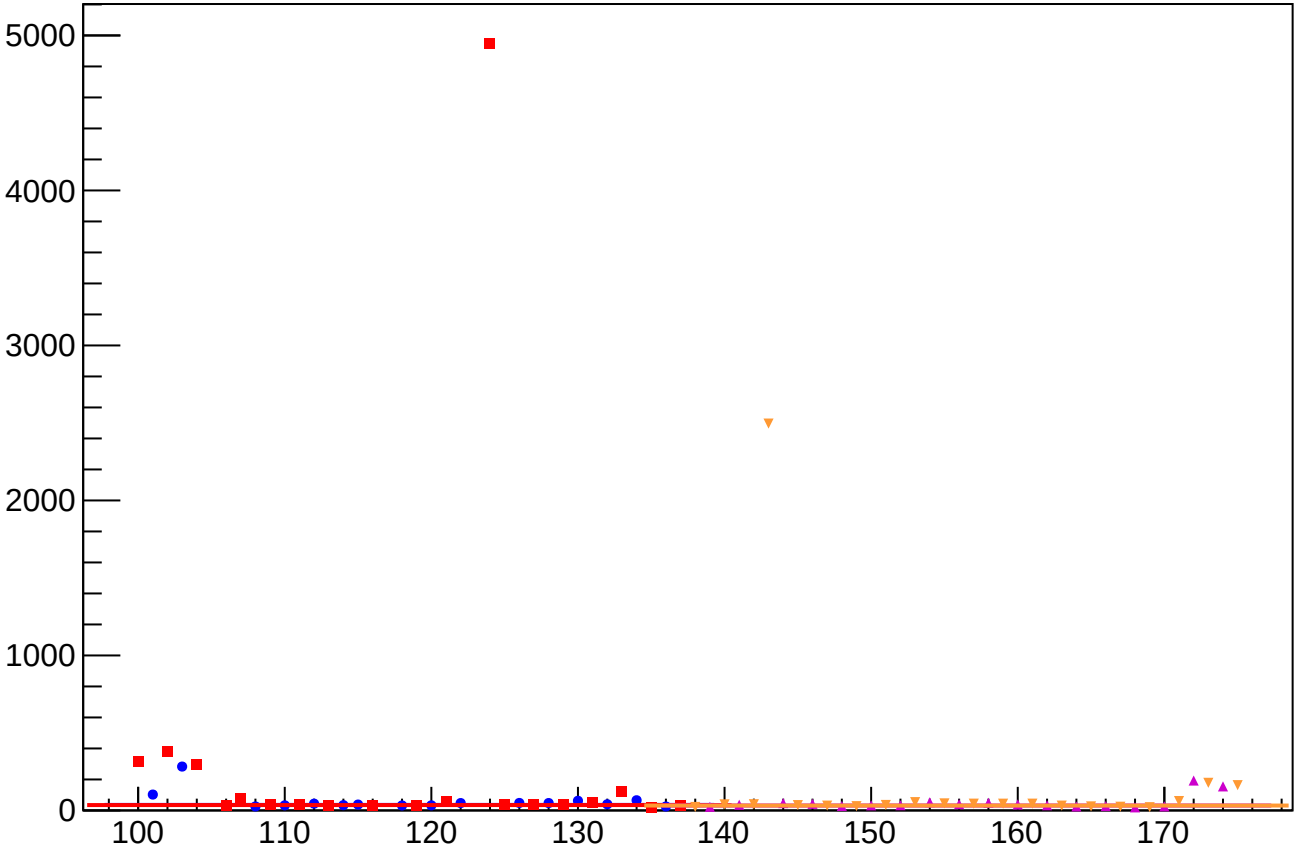
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

Left: 31.754+/-0.005 χ^2/NDF: 9080960.1/37

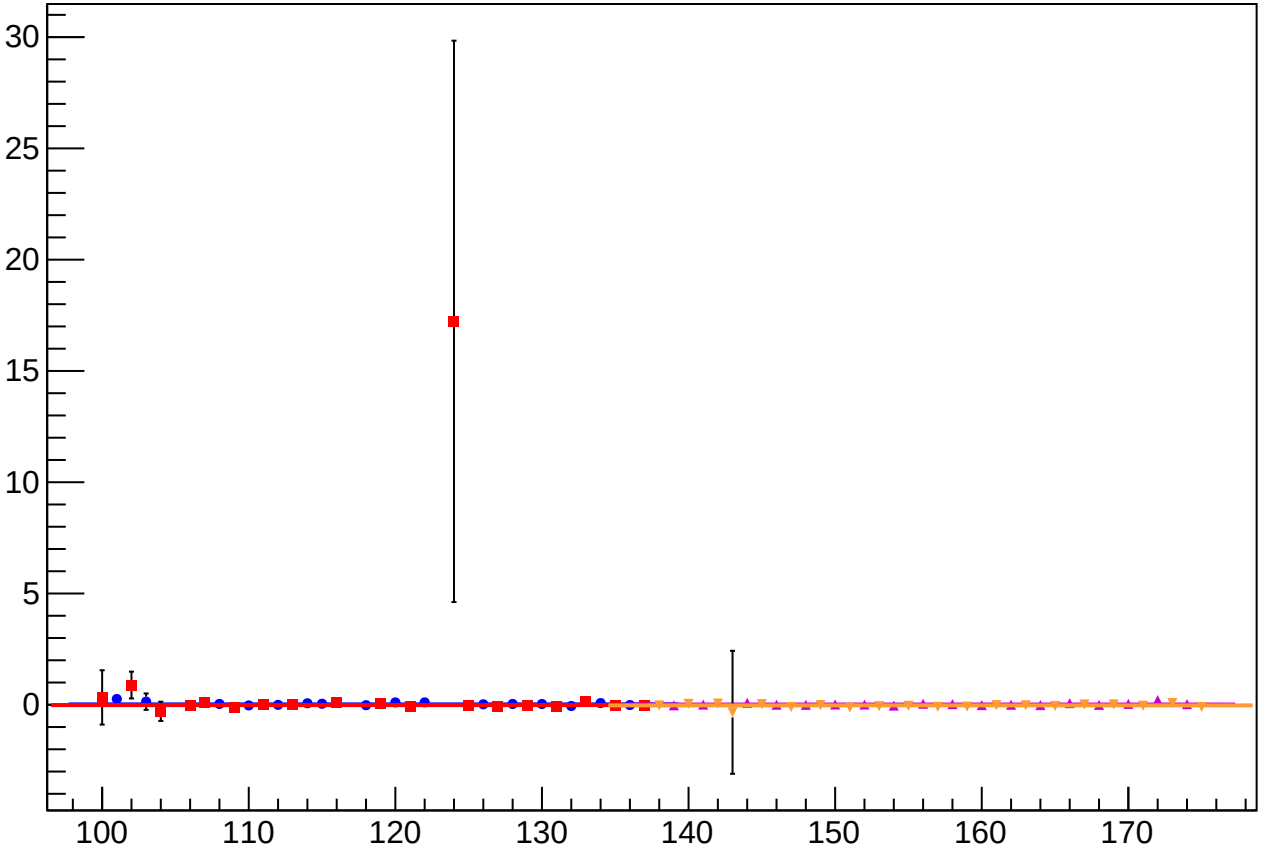
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

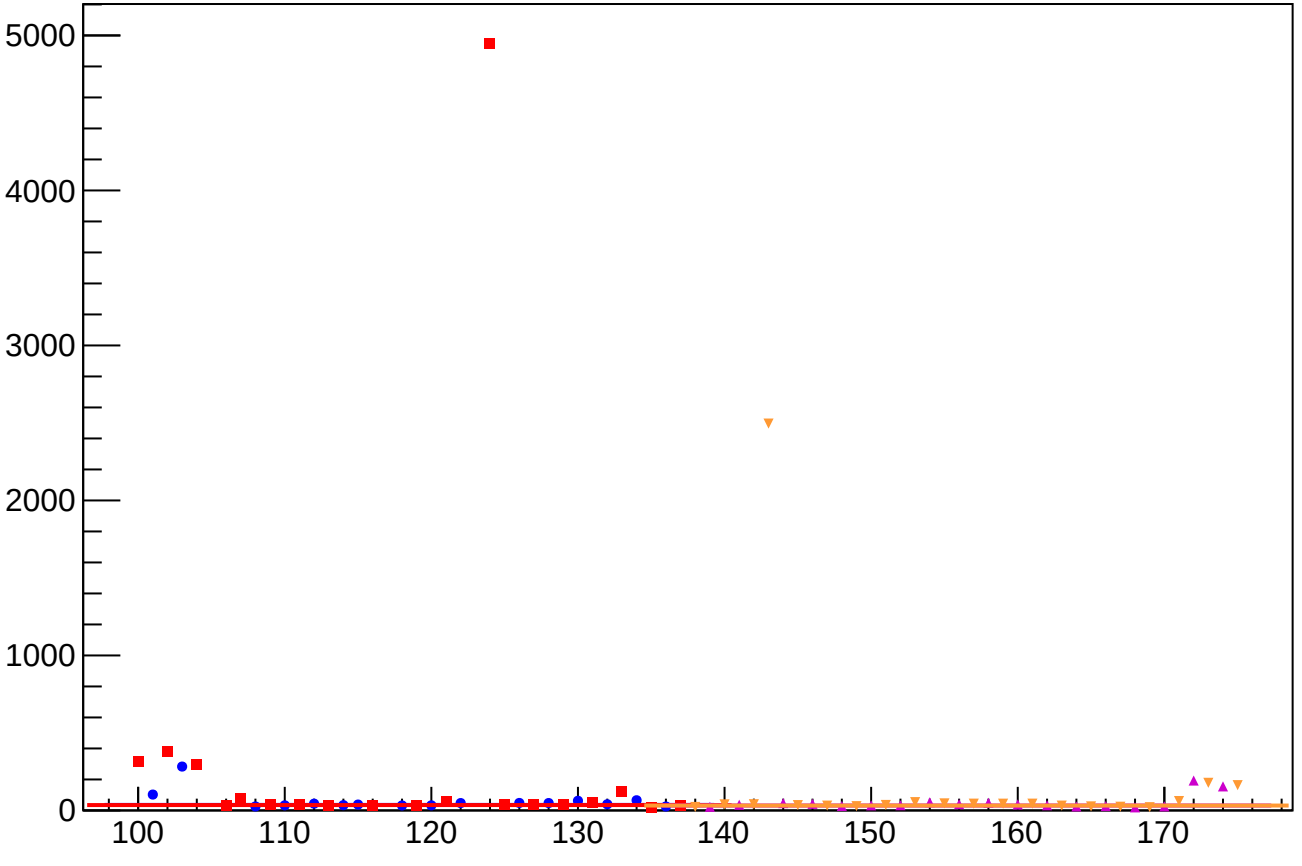
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

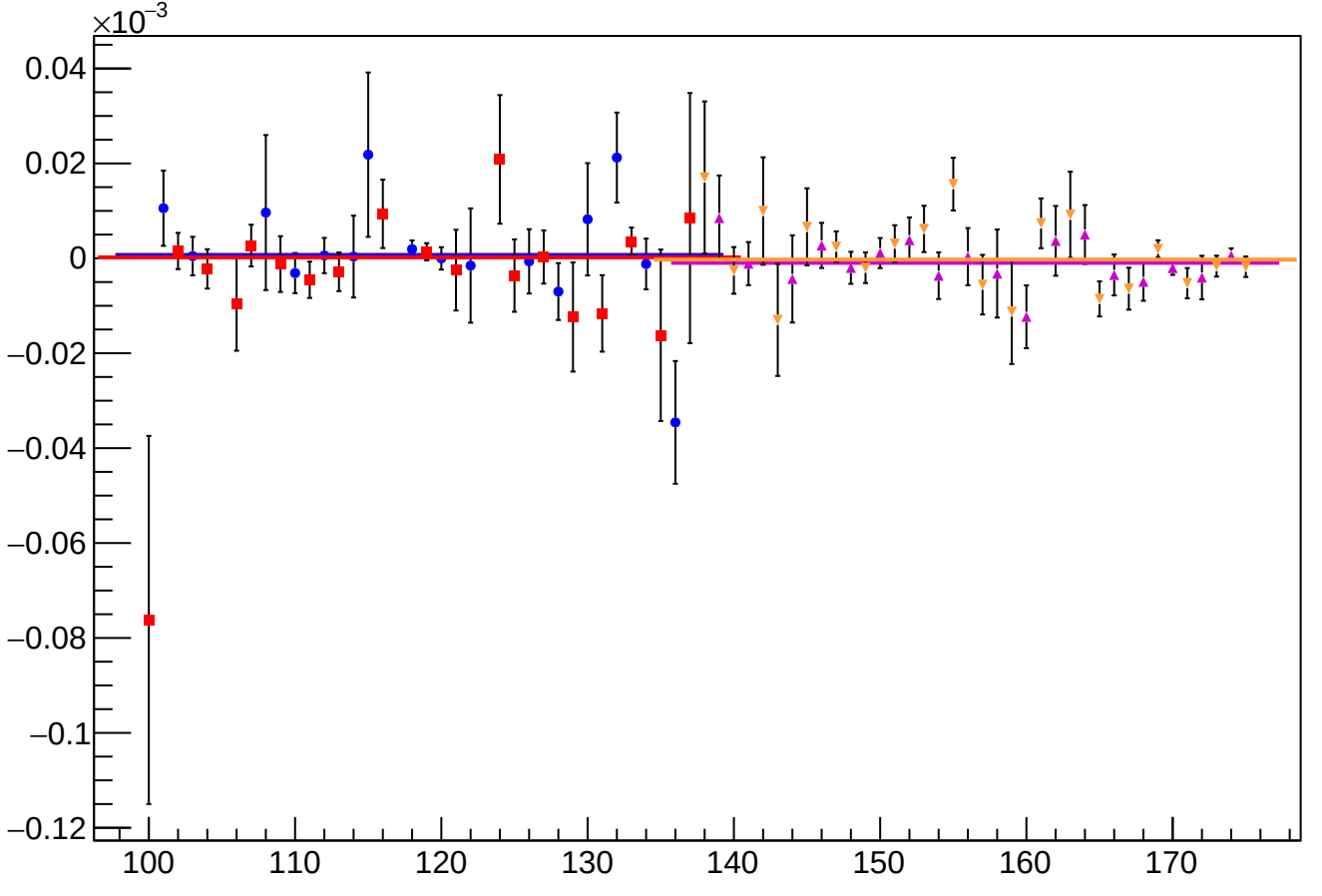
Left: 31.754+/-0.005 χ^2/NDF: 9080960.1/37

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/17

Left: -0.000+/-0.000 χ^2/NDF: 44.2/37

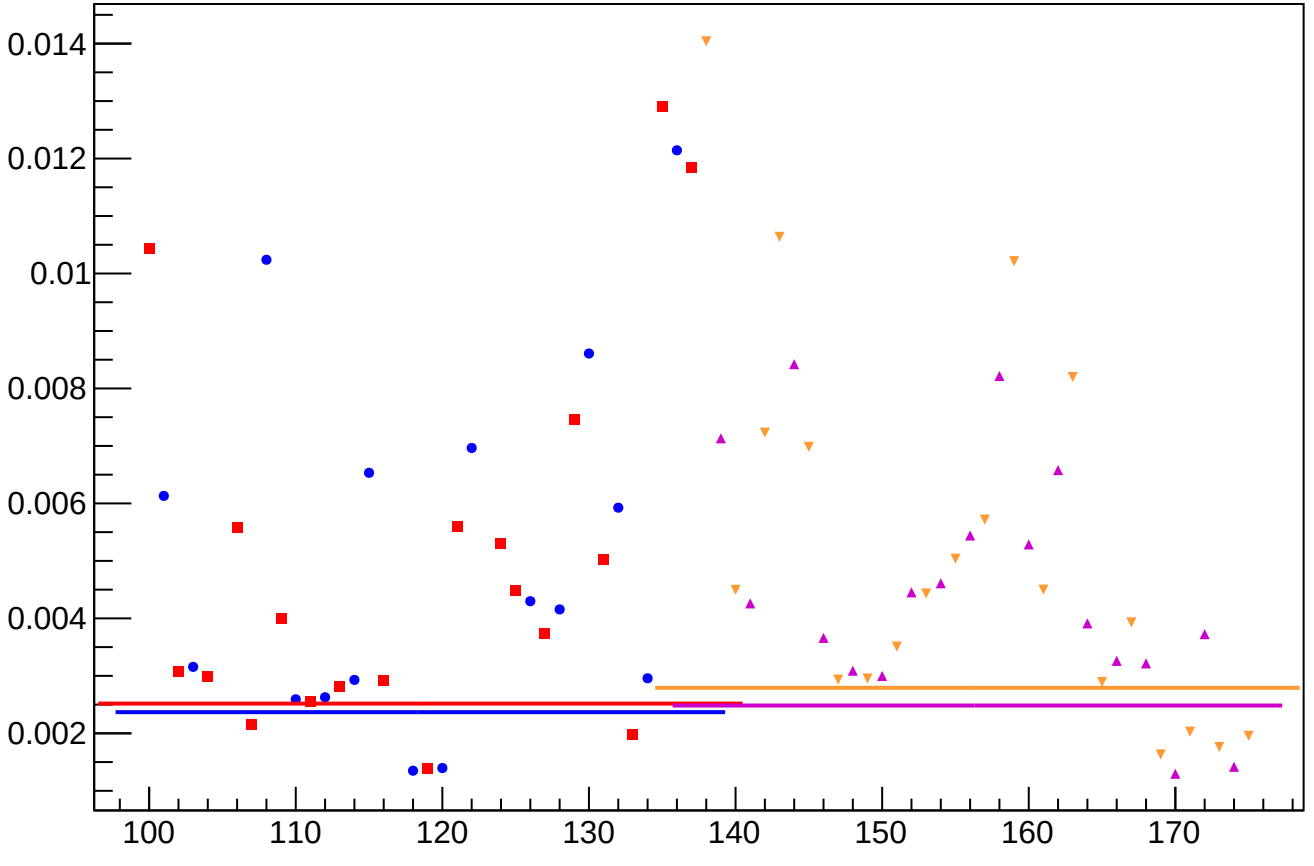
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.9/33

Out: -0.000+/-0.000 χ^2/NDF:50.6/38

All: -0.000+/-0.000 χ^2/NDF: 82.7/72

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7628338.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7542382.4/17

Left: 0.003+/-0.000 χ^2/NDF: 15312742.7/37

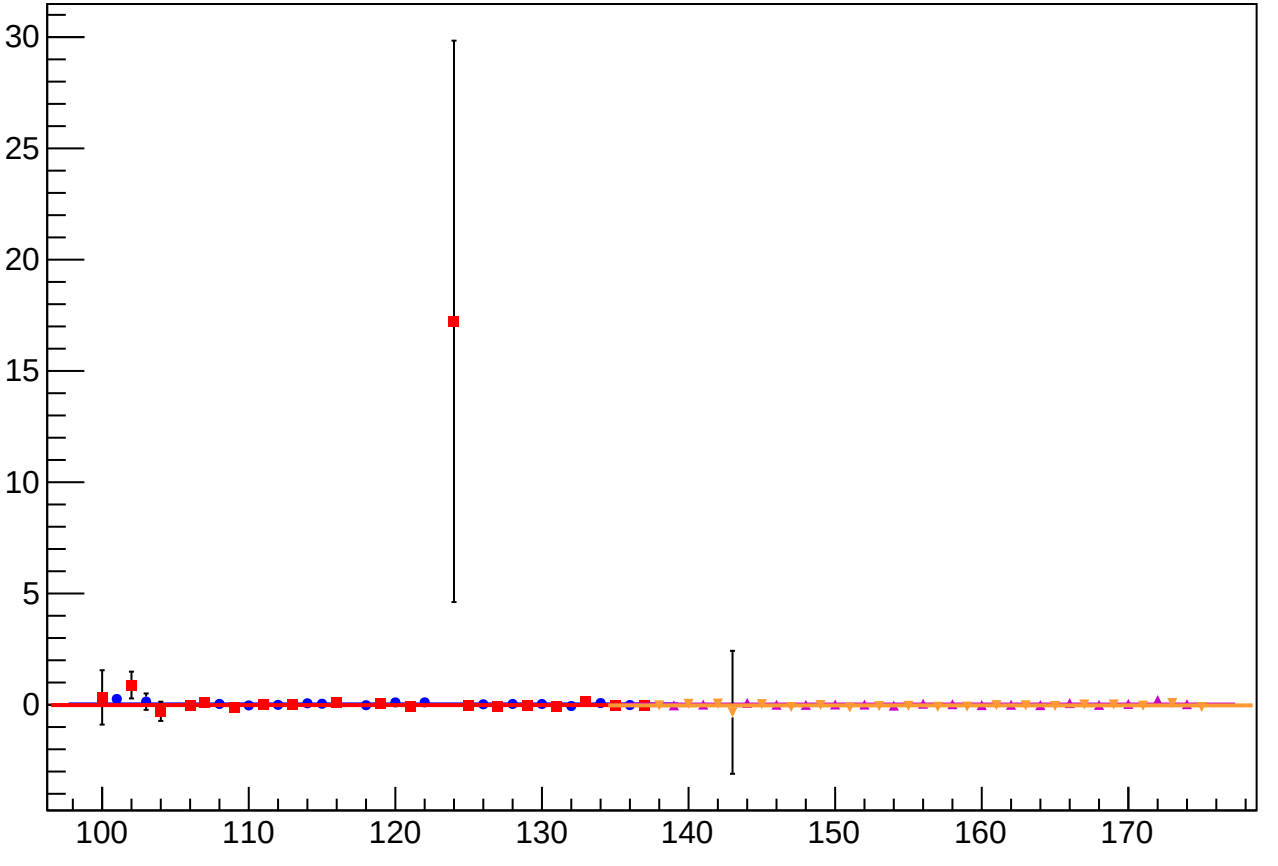
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12278271.0/33

Out: 0.003+/-0.000 χ^2/NDF:11108280.0/38

All: 0.003+/-0.000 χ^2/NDF: 23525503.9/72

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

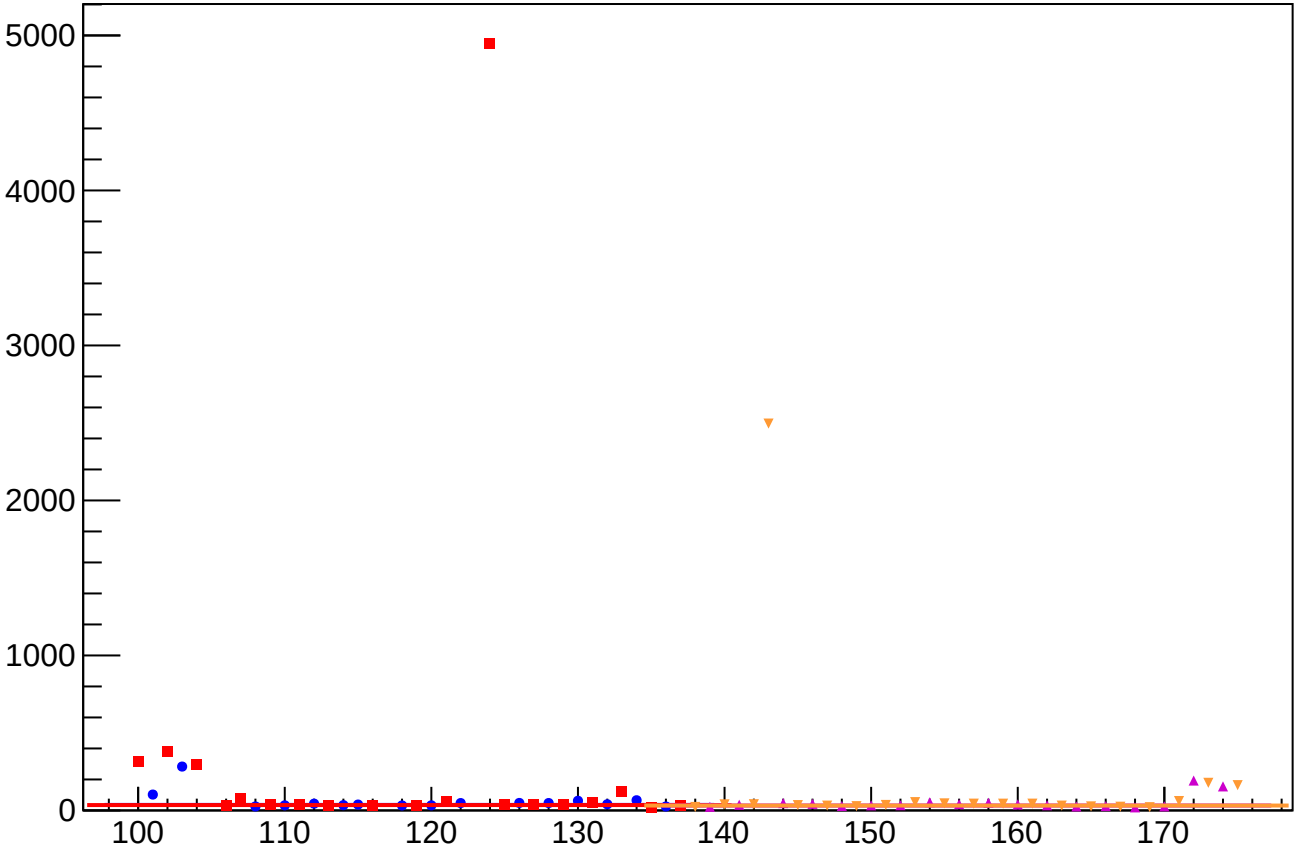
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

Left: 31.753+/-0.005 χ^2/NDF: 9081788.3/37

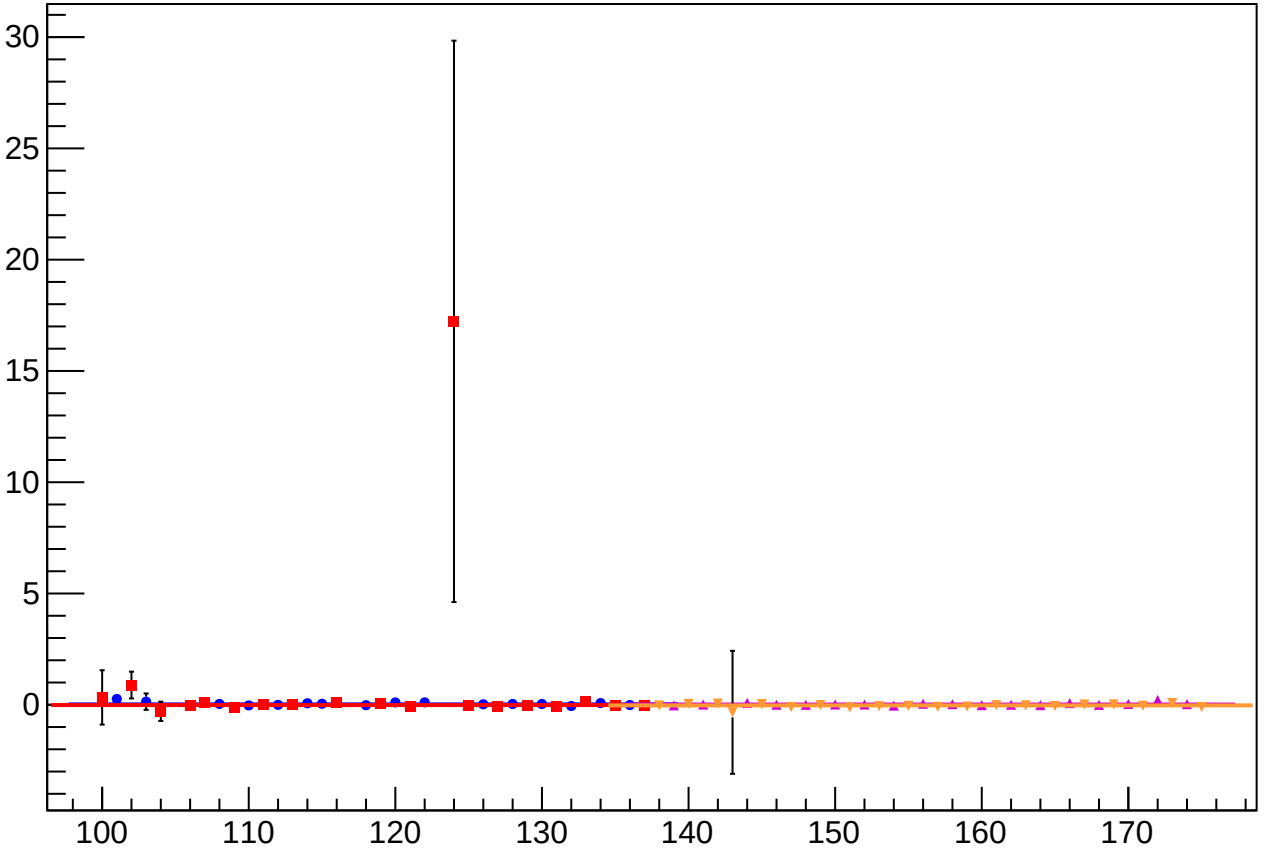
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

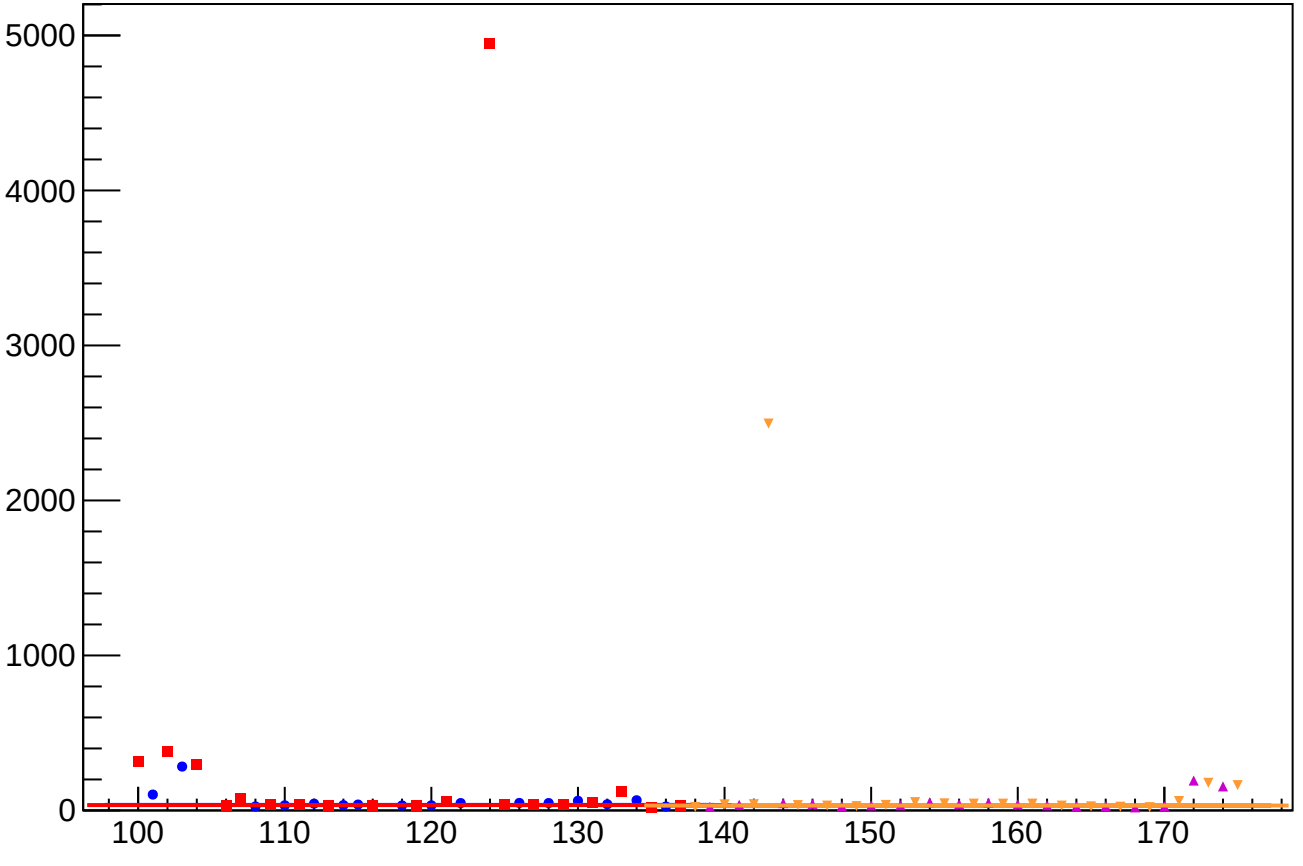
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

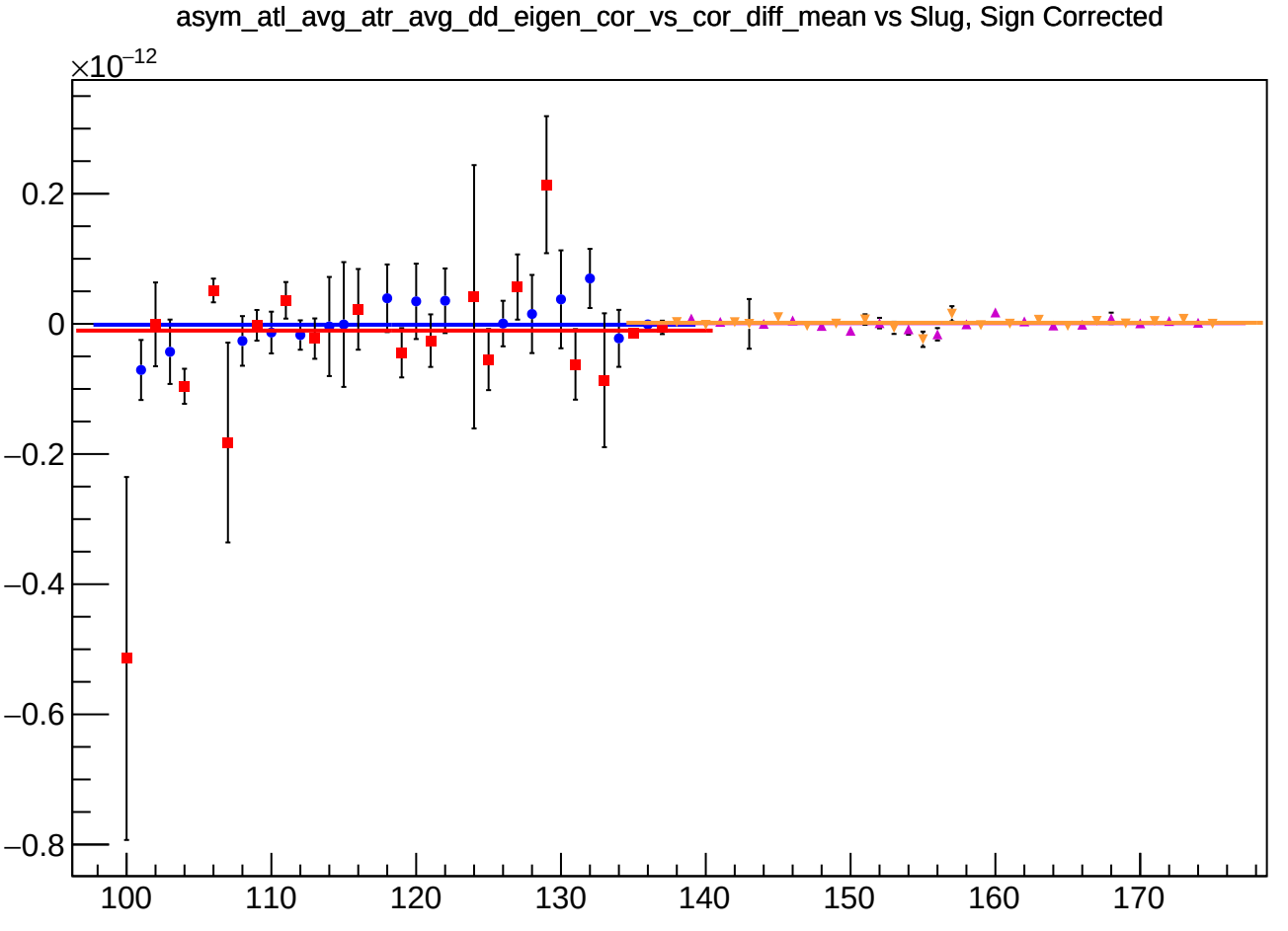
Left: 31.753+/-0.005 χ^2/NDF: 9081788.3/37

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/17

Left: 0.000+/-0.000 χ^2/NDF: 34.0/37

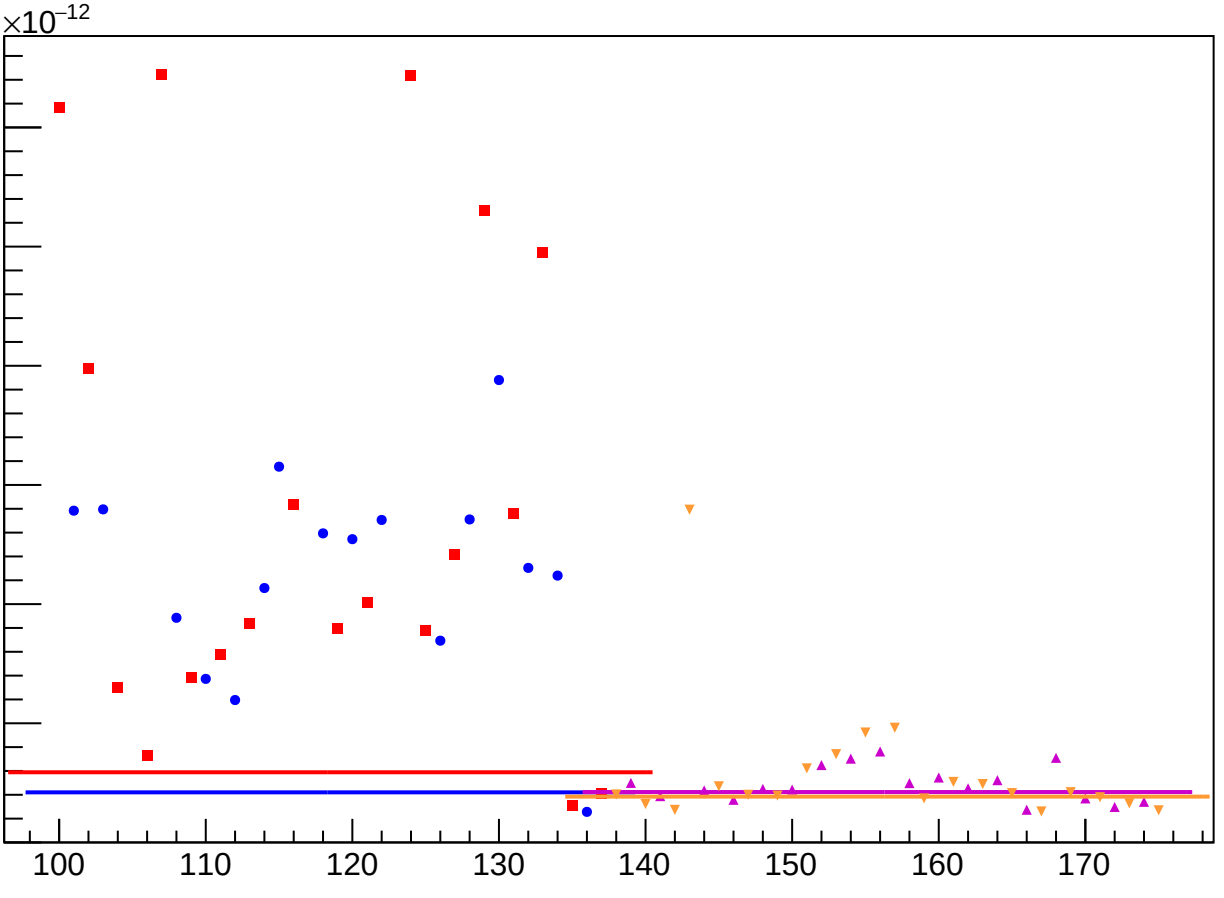
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:28.0/33

Out: 0.000+/-0.000 χ^2/NDF:62.4/38

All: 0.000+/-0.000 χ^2/NDF: 90.4/72

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

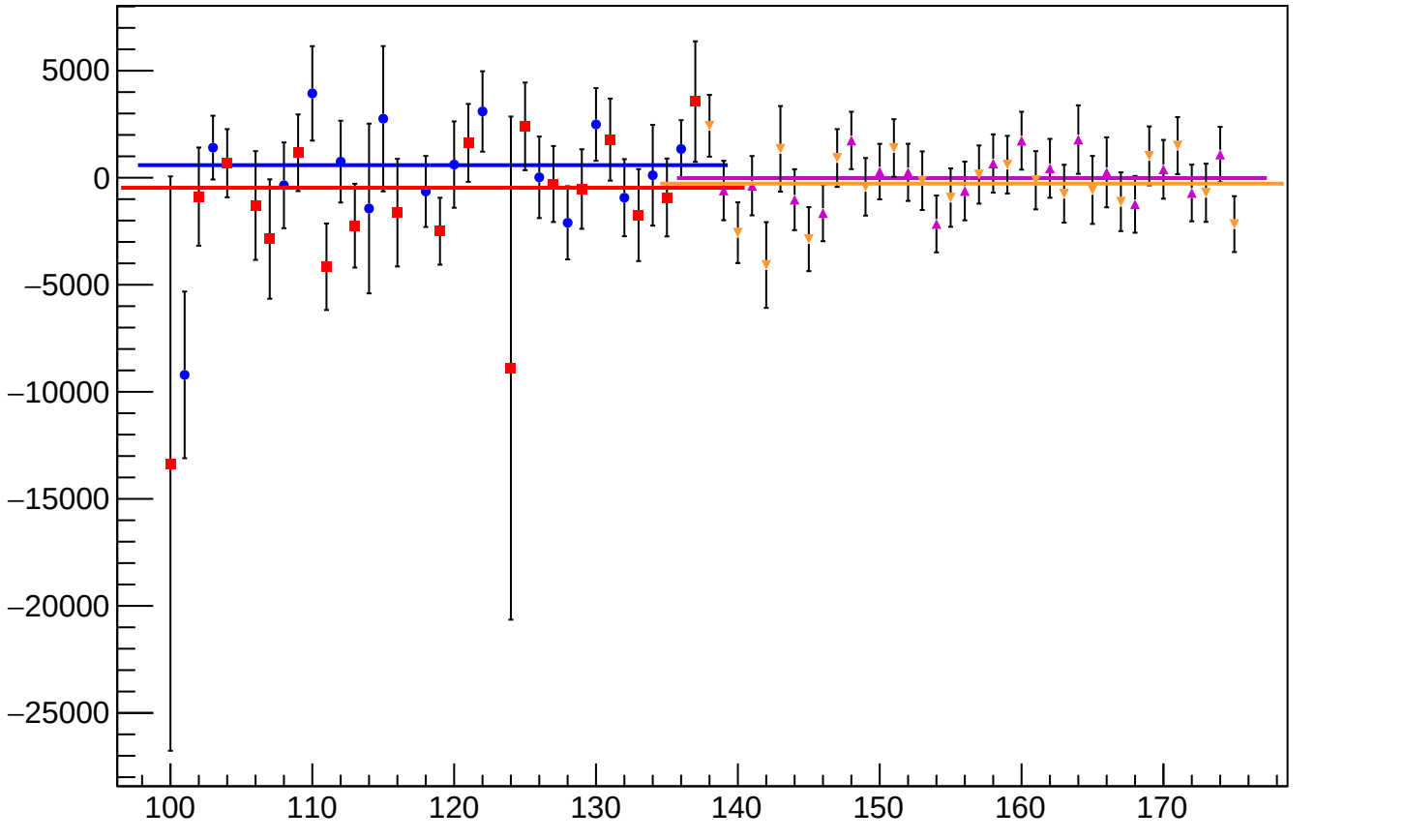
Left: 0.000+/-0.000 χ^2/NDF: 4576168.6/37

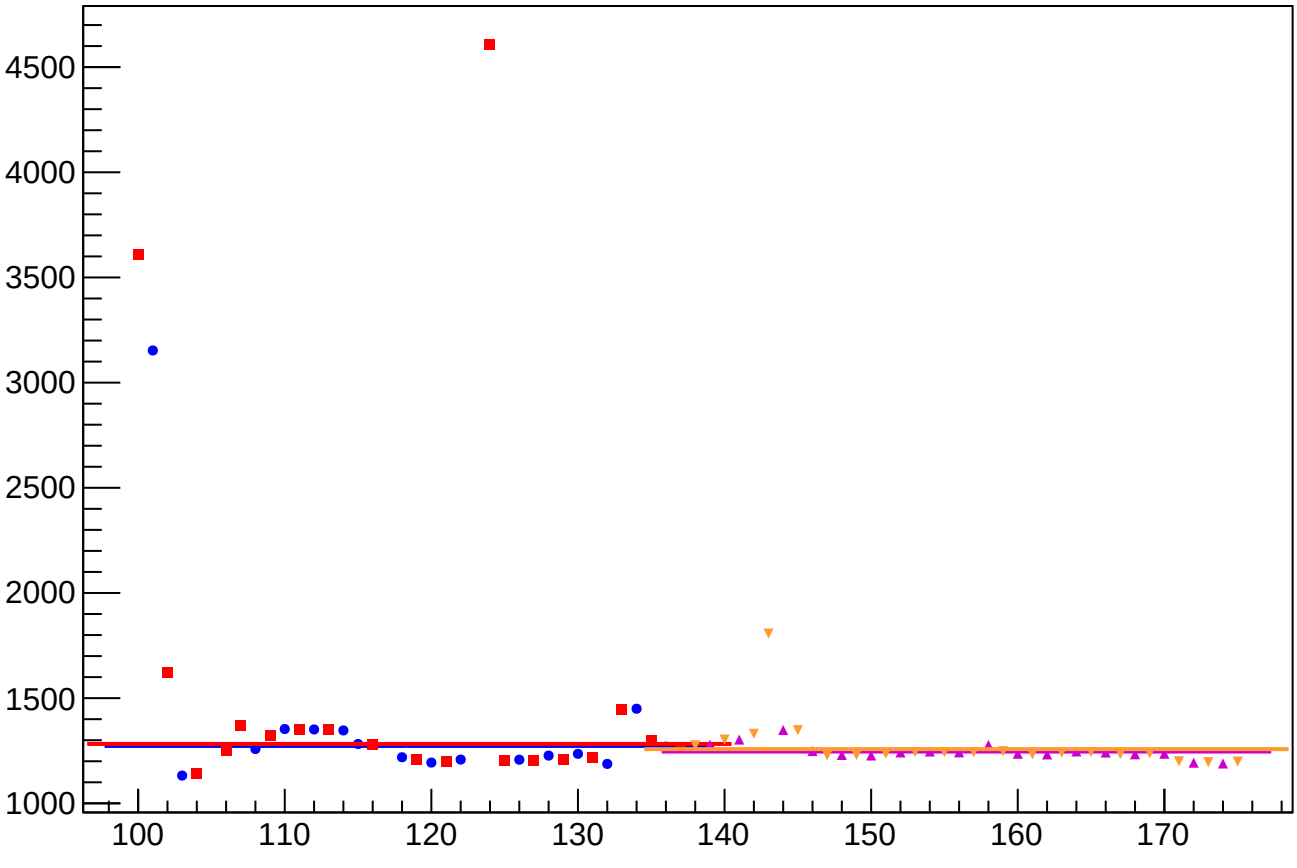
Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6640563.8/33

Out: 0.000+/-0.000 χ^2/NDF:8228986.5/38

All: 0.000+/-0.000 χ^2/NDF: 14899195.8/72


reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -275.039+/-316.543 χ²/NDF:21.9/19
Right Out: -469.012+/-480.516 χ²/NDF: 16.9/18
Left In: -17.176+/-323.174 χ²/NDF:12.2/17
Left: -148.780+/-226.138 χ²/NDF: 34.4/37
Right: 56.858+/-340.452 χ²/NDF: 36.3/34
In: 169.945+/-268.498 χ²/NDF:30.3/33
Out: -333.742+/-264.341 χ²/NDF:38.9/38
All: -85.828+/-188.370 χ²/NDF: 71.0/72



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

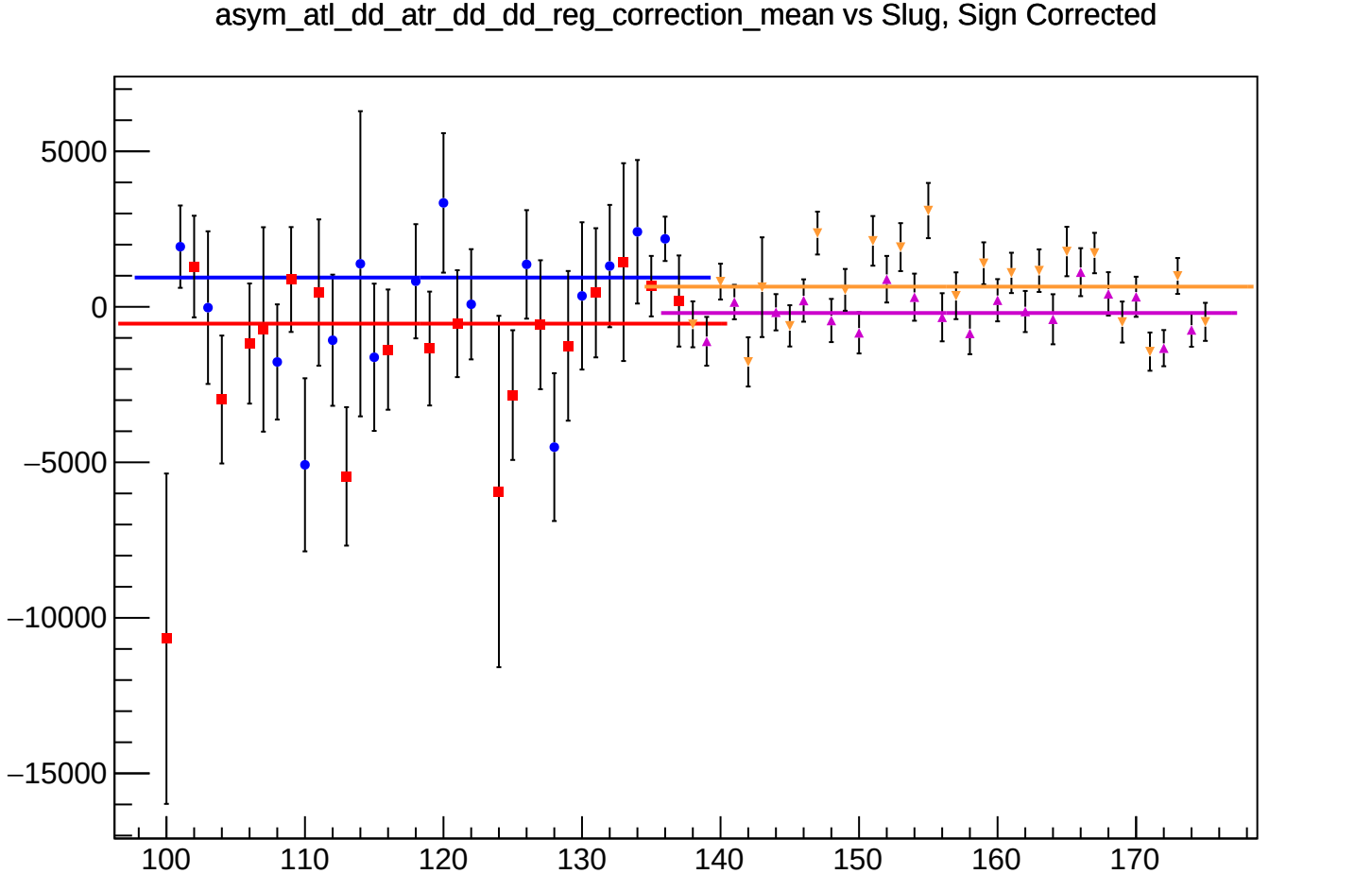
Left: 1252.068+/-0.160 χ^2/NDF: 206122.0/37

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1254.460+/-0.190 χ^2/NDF:547851.3/33

Out: 1265.144+/-0.187 χ^2/NDF:506240.9/38

All: 1259.885+/-0.133 χ^2/NDF: 1055700.3/72



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -198.518+/-157.548 χ^2/NDF:16.2/17

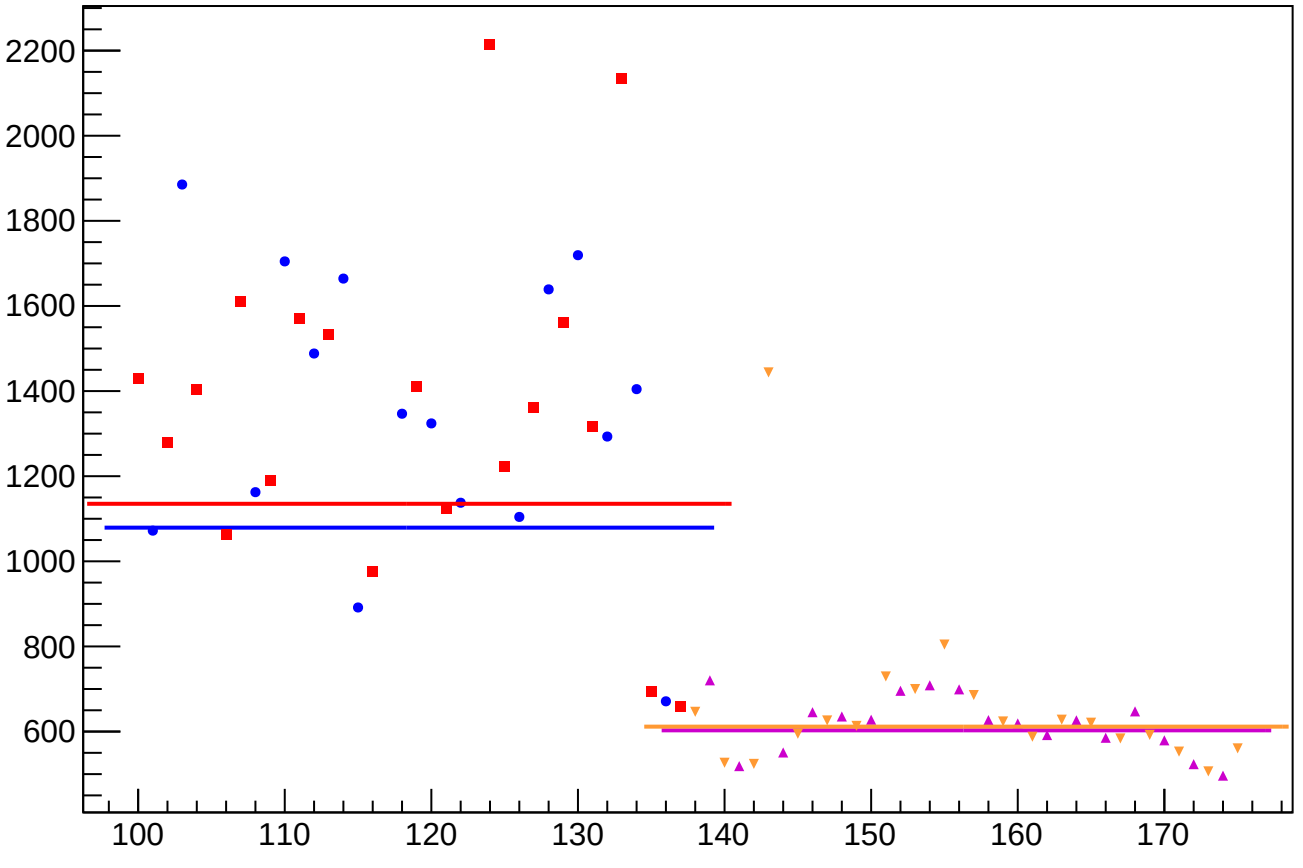
Left: 228.715+/-110.916 χ^2/NDF: 92.0/37

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -61.228+/-147.760 χ^2/NDF:42.5/33

Out: 515.438+/-147.178 χ^2/NDF:84.9/38

All: 228.243+/-104.276 χ^2/NDF: 135.0/72



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

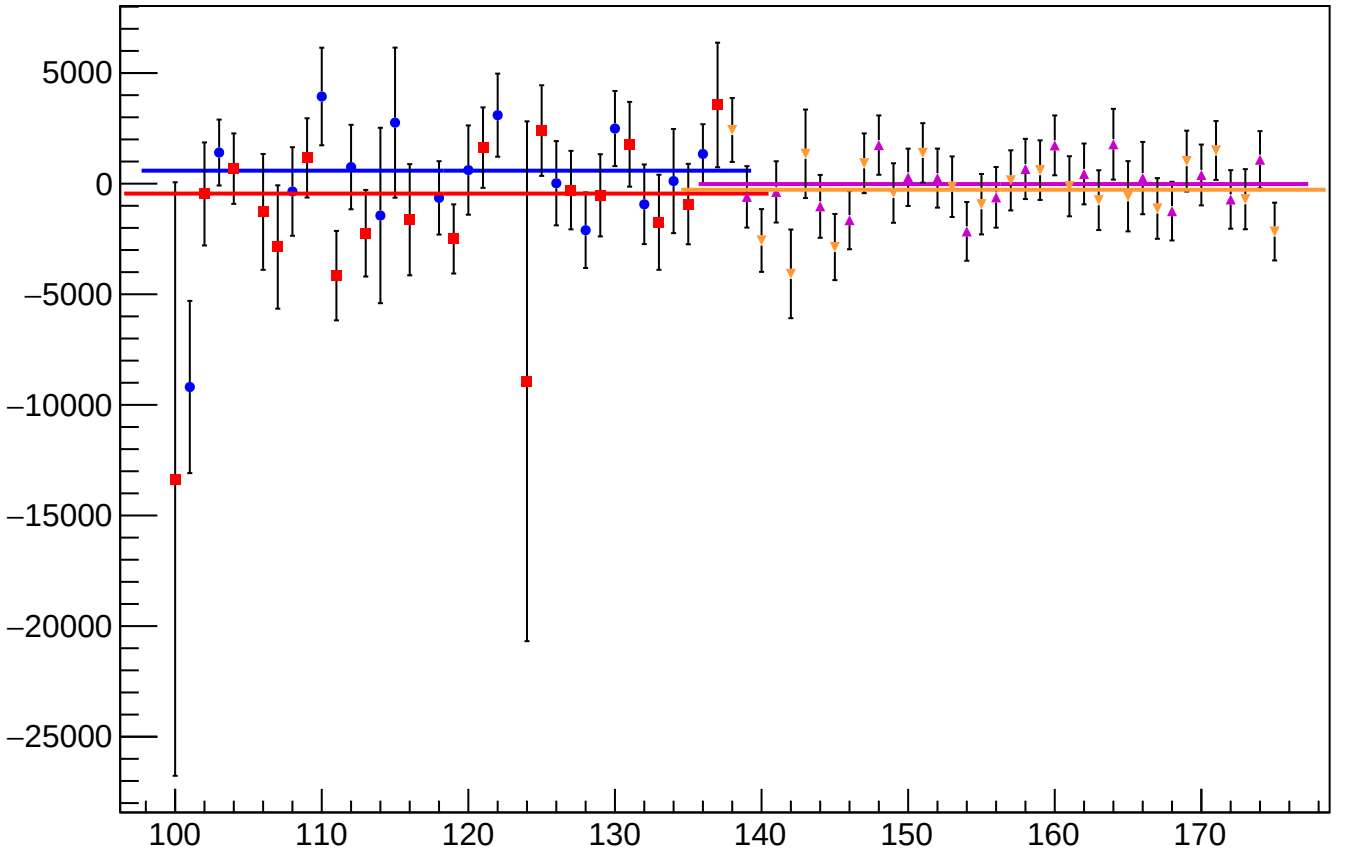
Left: 607.244+/-0.078 χ^2/NDF: 1264302.0/37

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 660.197+/-0.104 χ^2/NDF:4038237.3/33

Out: 670.166+/-0.104 χ^2/NDF:4715132.6/38

All: 665.201+/-0.074 χ^2/NDF: 8757940.0/72



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

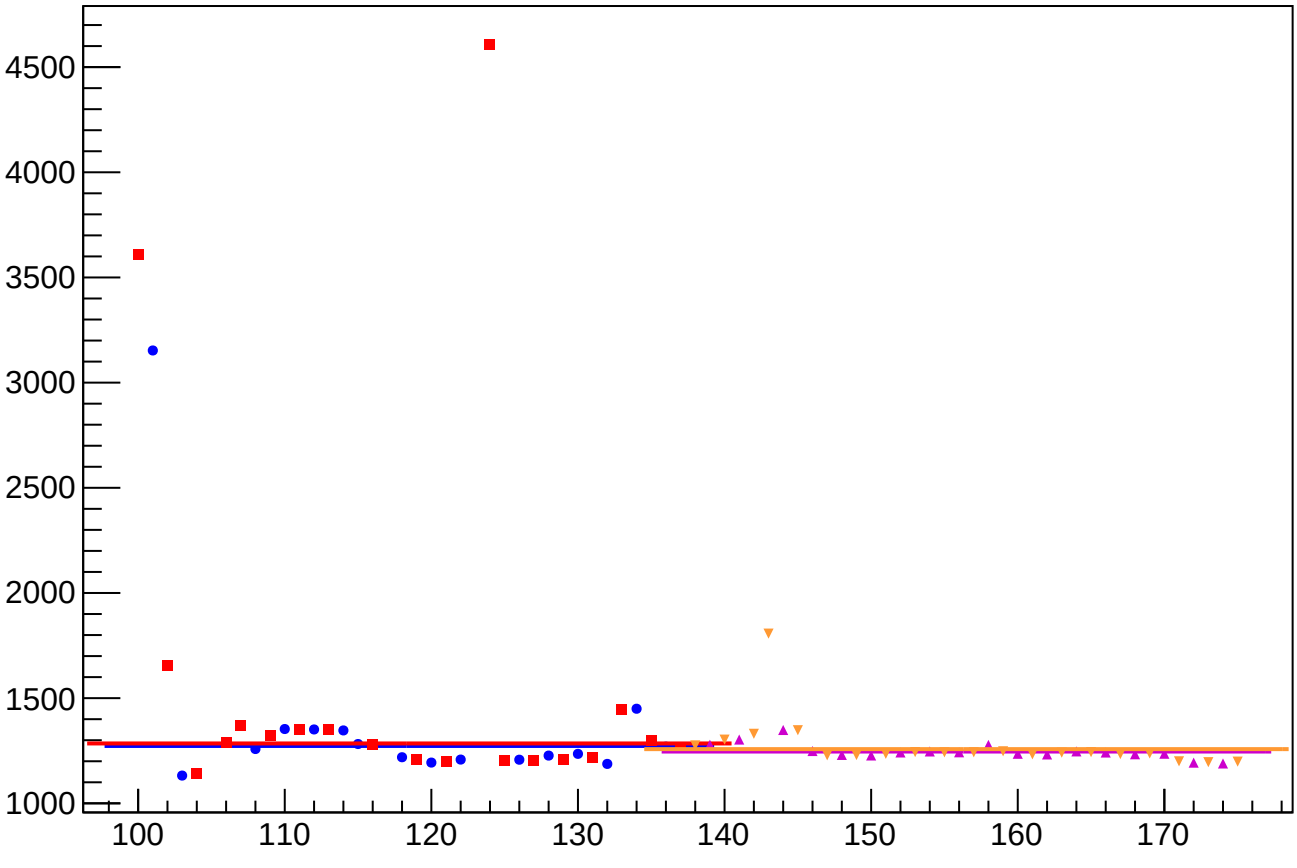
Left: -148.830+/-226.138 χ^2/NDF: 34.4/37

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -82.457+/-188.419 χ^2/NDF: 70.8/72



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

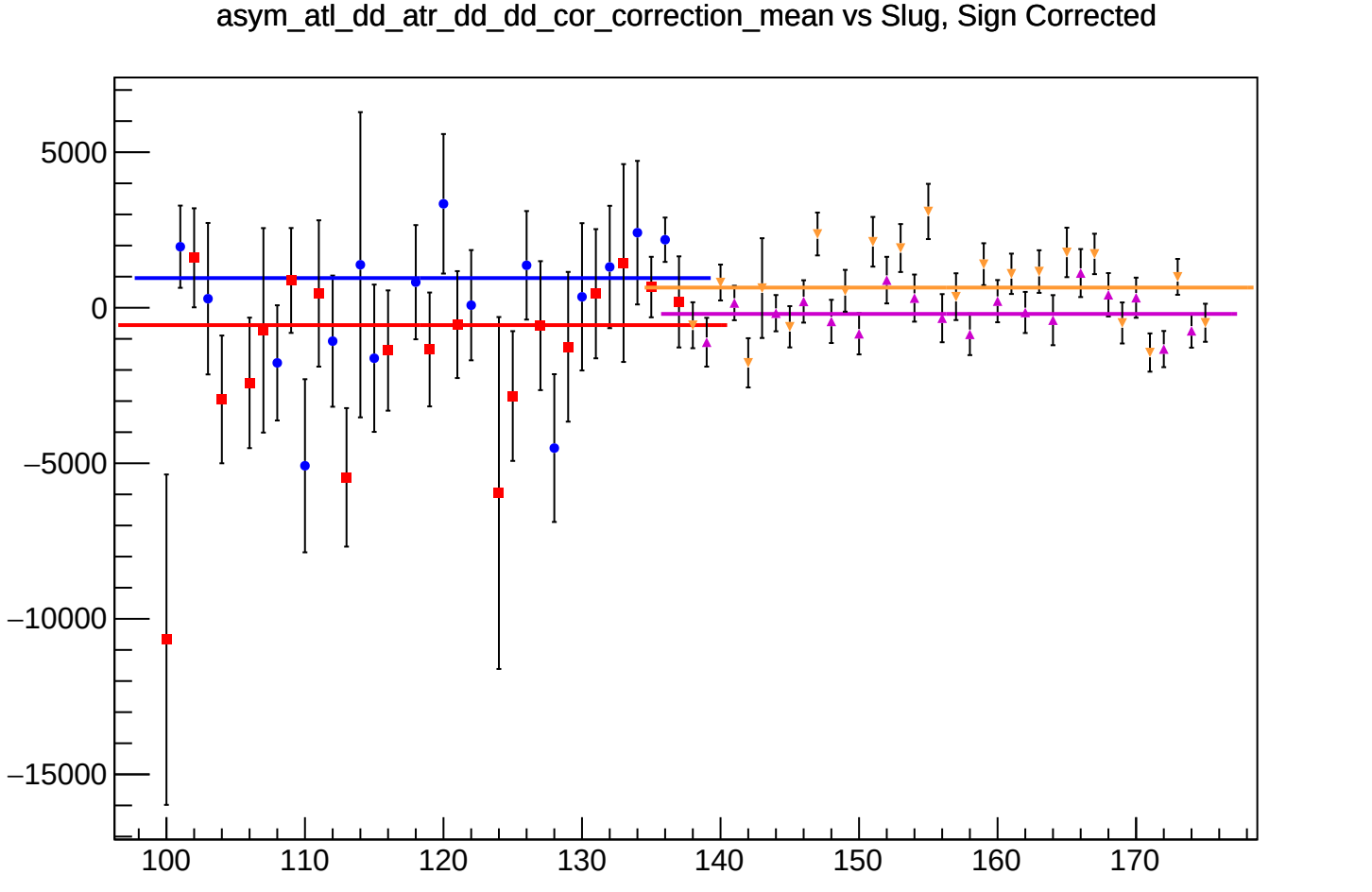
Left: 1252.068+/-0.160 χ^2/NDF: 206122.0/37

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 228.728+/-110.916 χ^2/NDF: 92.0/37

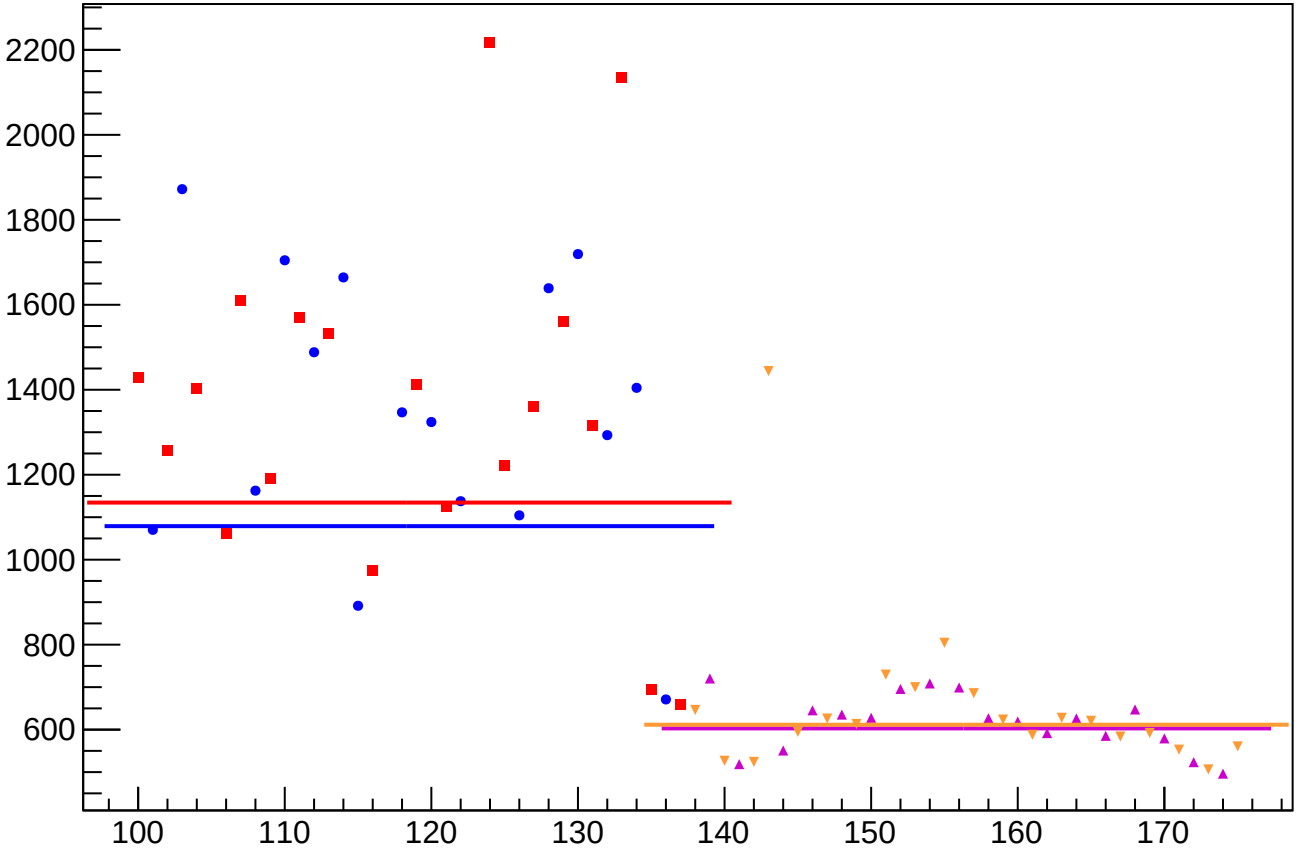
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 513.980+/-147.210 χ^2/NDF:86.3/38

All: 228.231+/-104.284 χ^2/NDF: 136.4/72

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

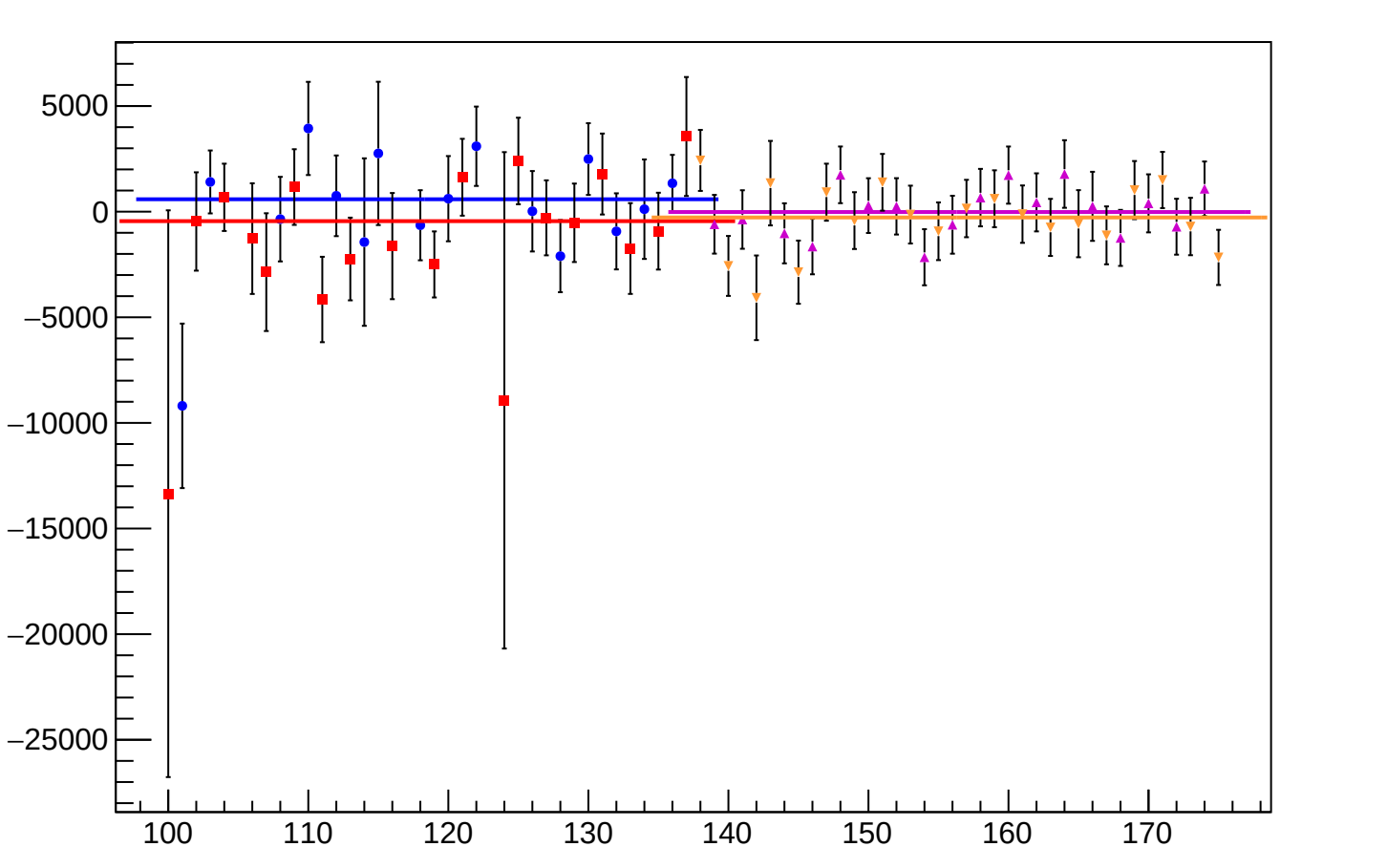
Left: 607.243+/-0.078 χ^2/NDF: 1264278.1/37

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

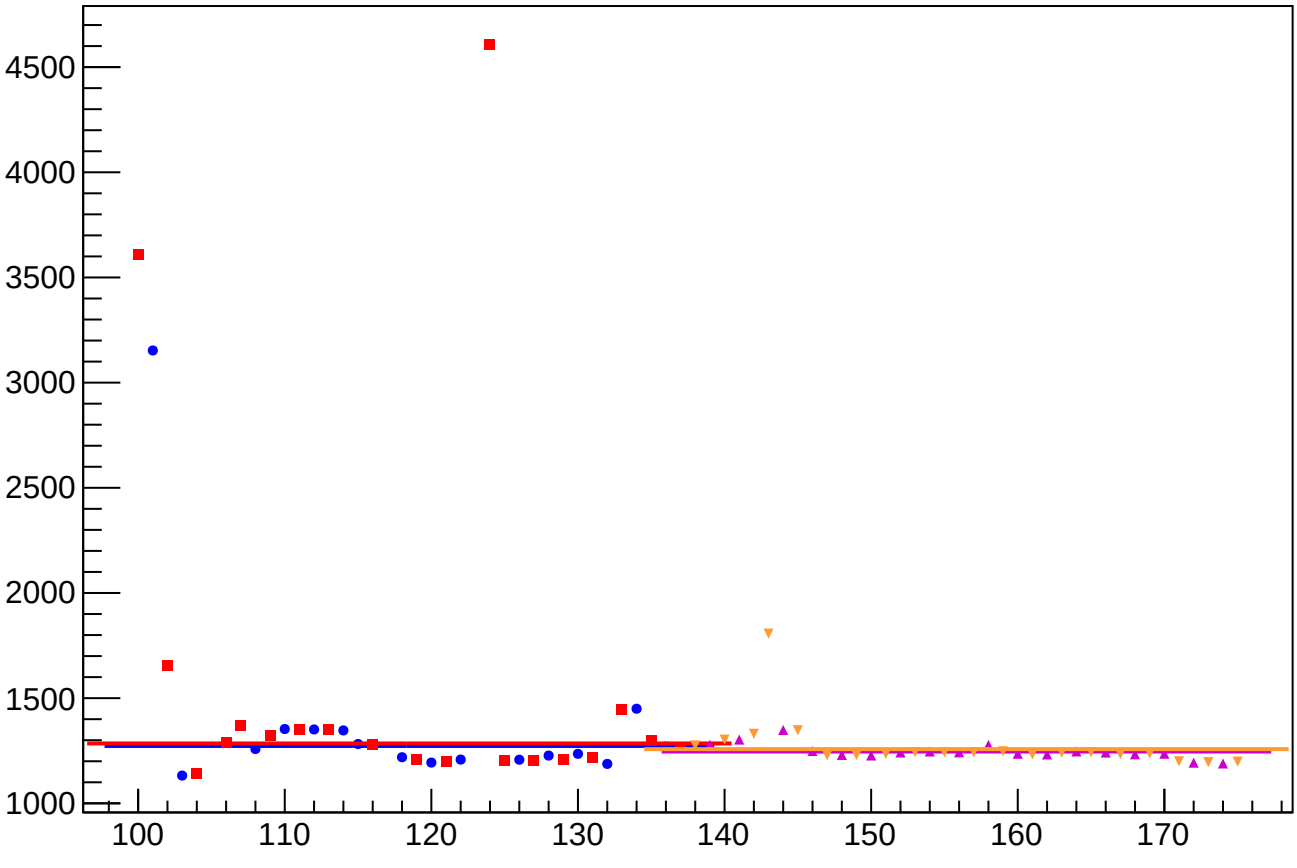
Left: -148.830+/-226.138 χ^2/NDF: 34.4/37

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -82.457+/-188.419 χ^2/NDF: 70.8/72



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

Left: 1252.068+/-0.160 χ^2/NDF: 206122.0/37

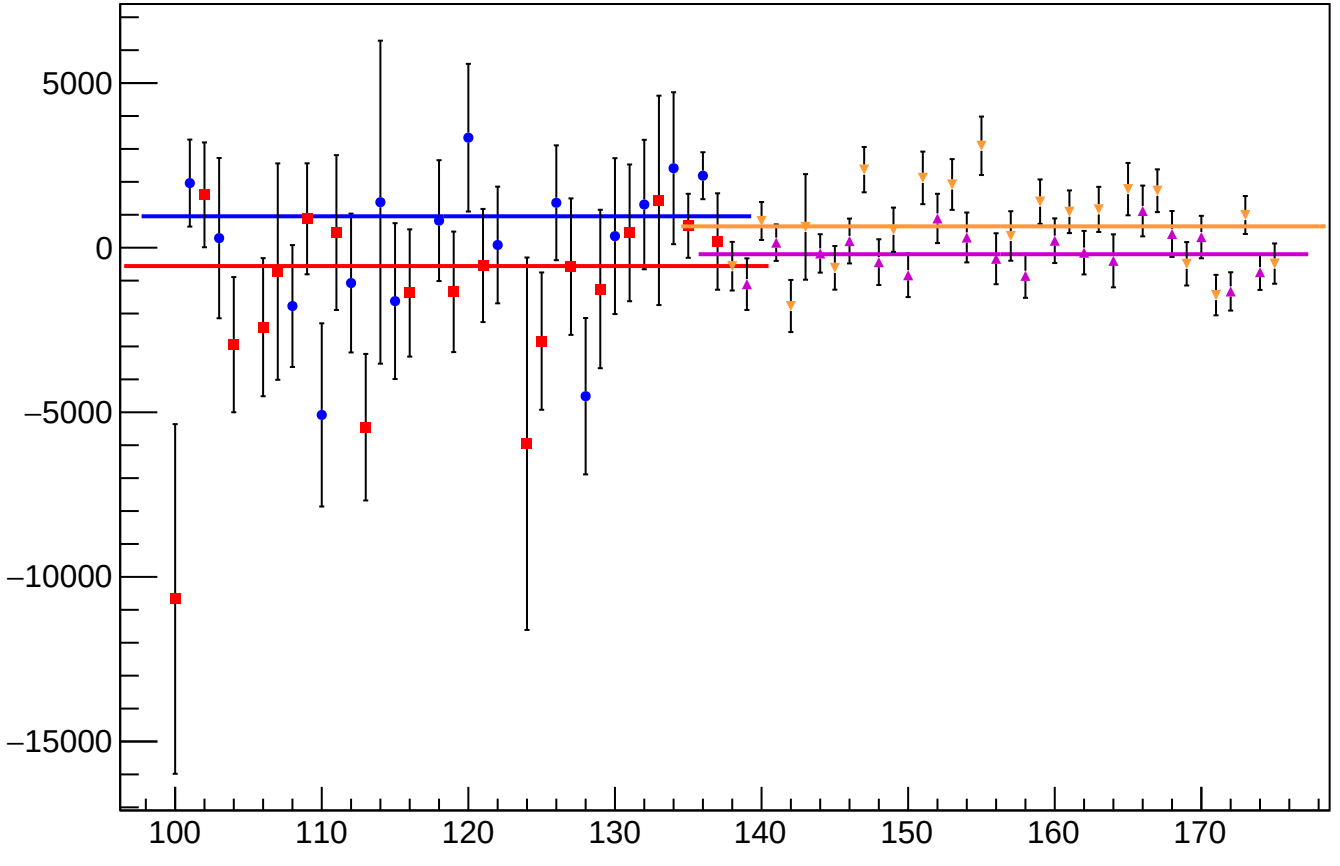
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 228.728+/-110.916 χ^2/NDF: 92.0/37

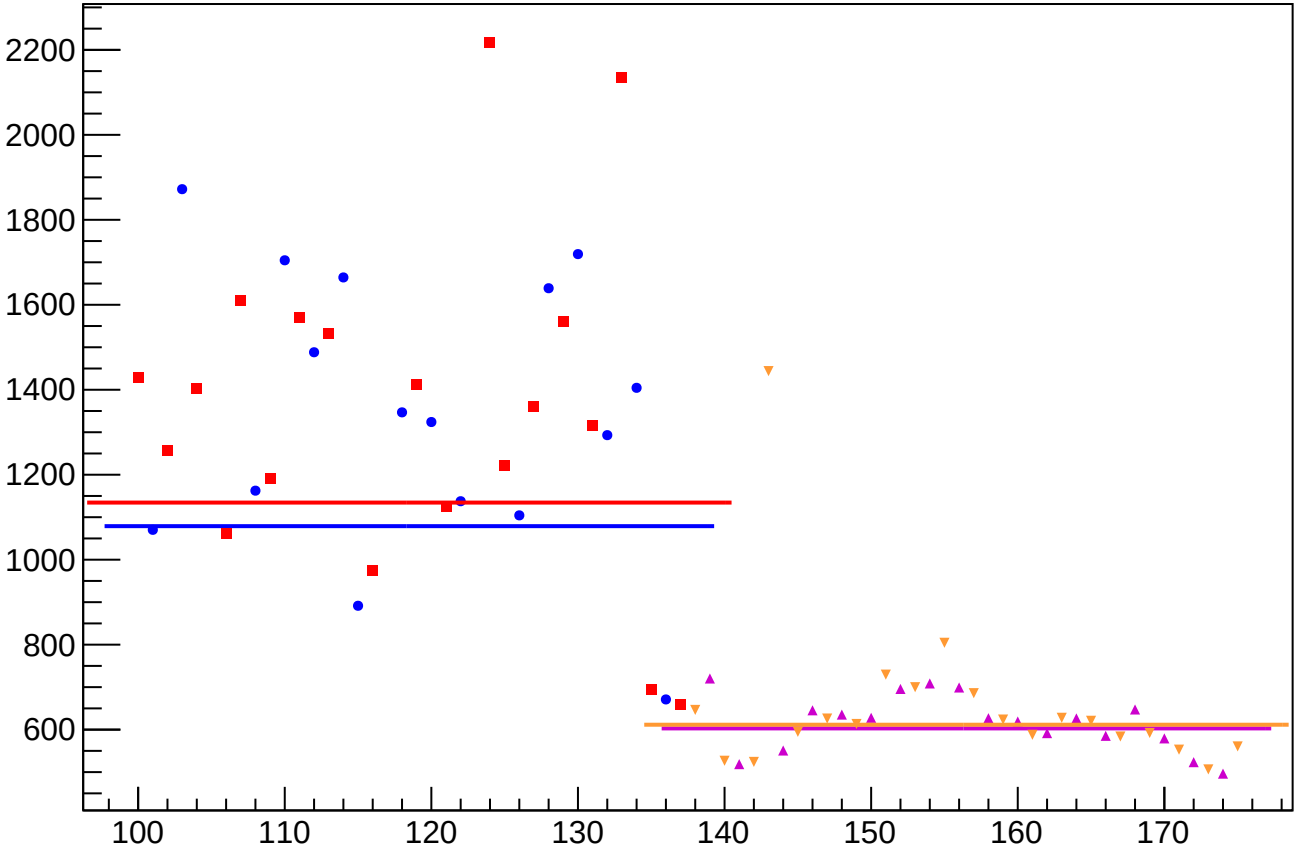
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 513.980+/-147.210 χ^2/NDF:86.3/38

All: 228.231+/-104.284 χ^2/NDF: 136.4/72

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

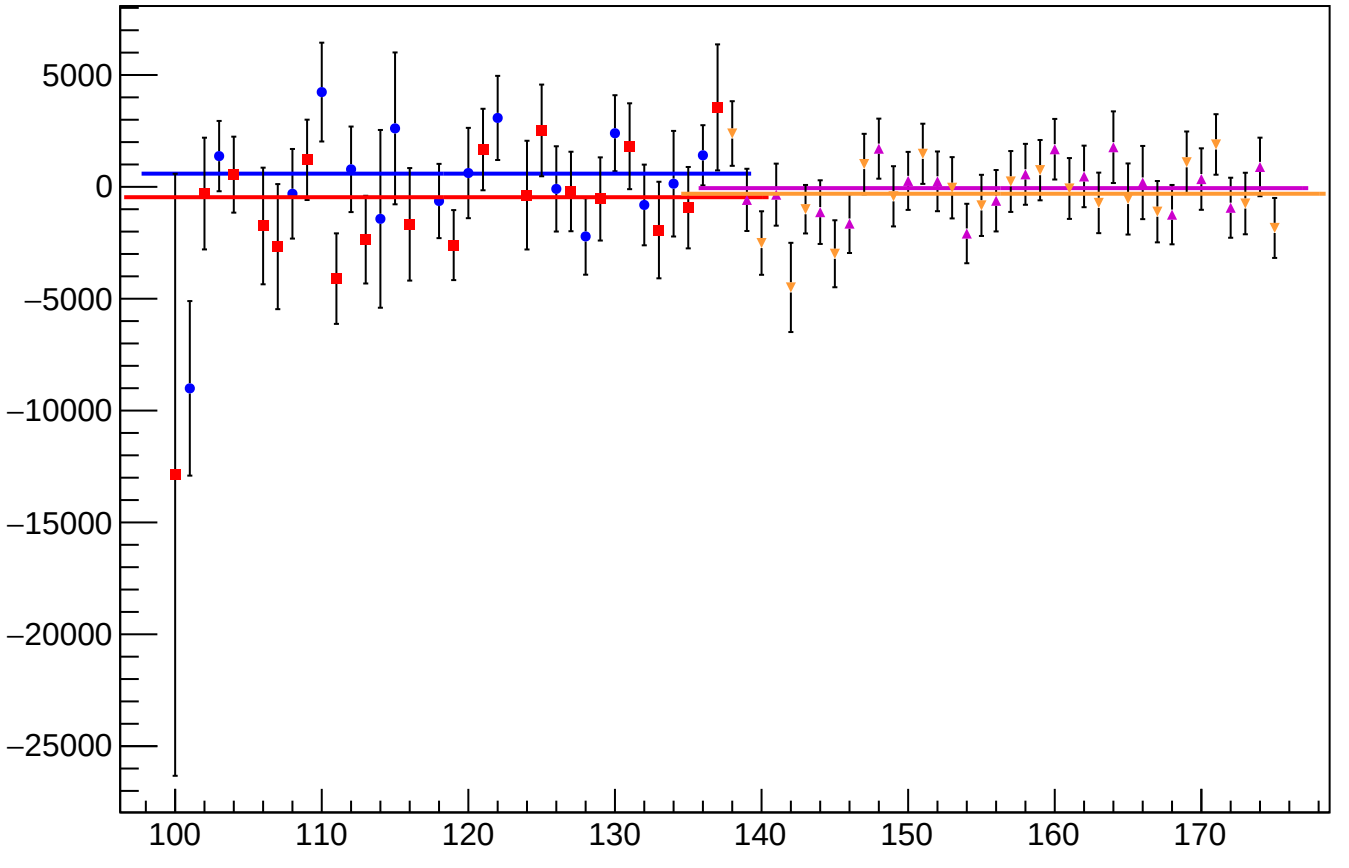
Left: 607.243+/-0.078 χ^2/NDF: 1264278.1/37

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.172+/-323.922 χ^2/NDF:11.7/17

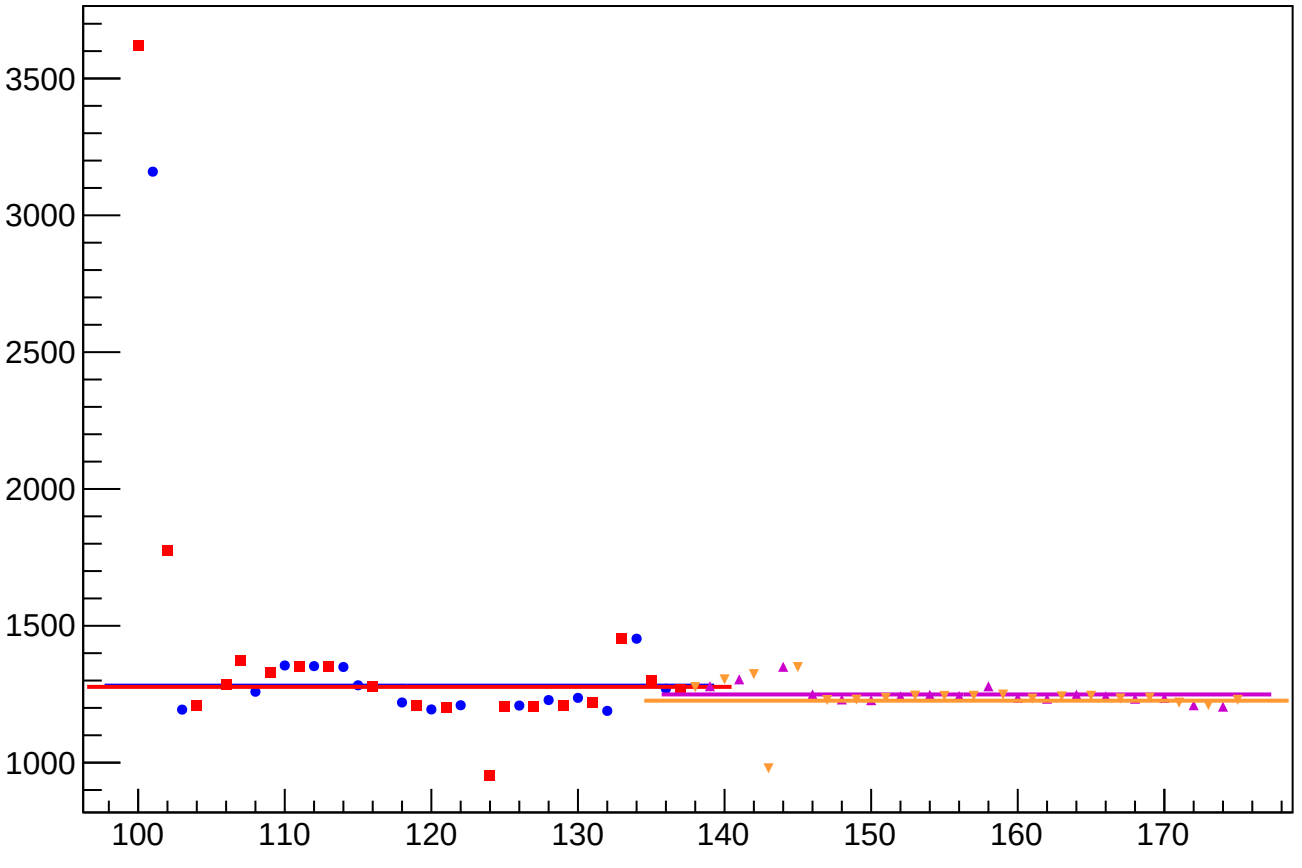
Left: -188.710+/-223.377 χ^2/NDF: 35.2/37

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 142.284+/-269.451 χ^2/NDF:30.0/33

Out: -353.603+/-258.983 χ^2/NDF:40.0/38

All: -115.479+/-186.719 χ^2/NDF: 71.8/72



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

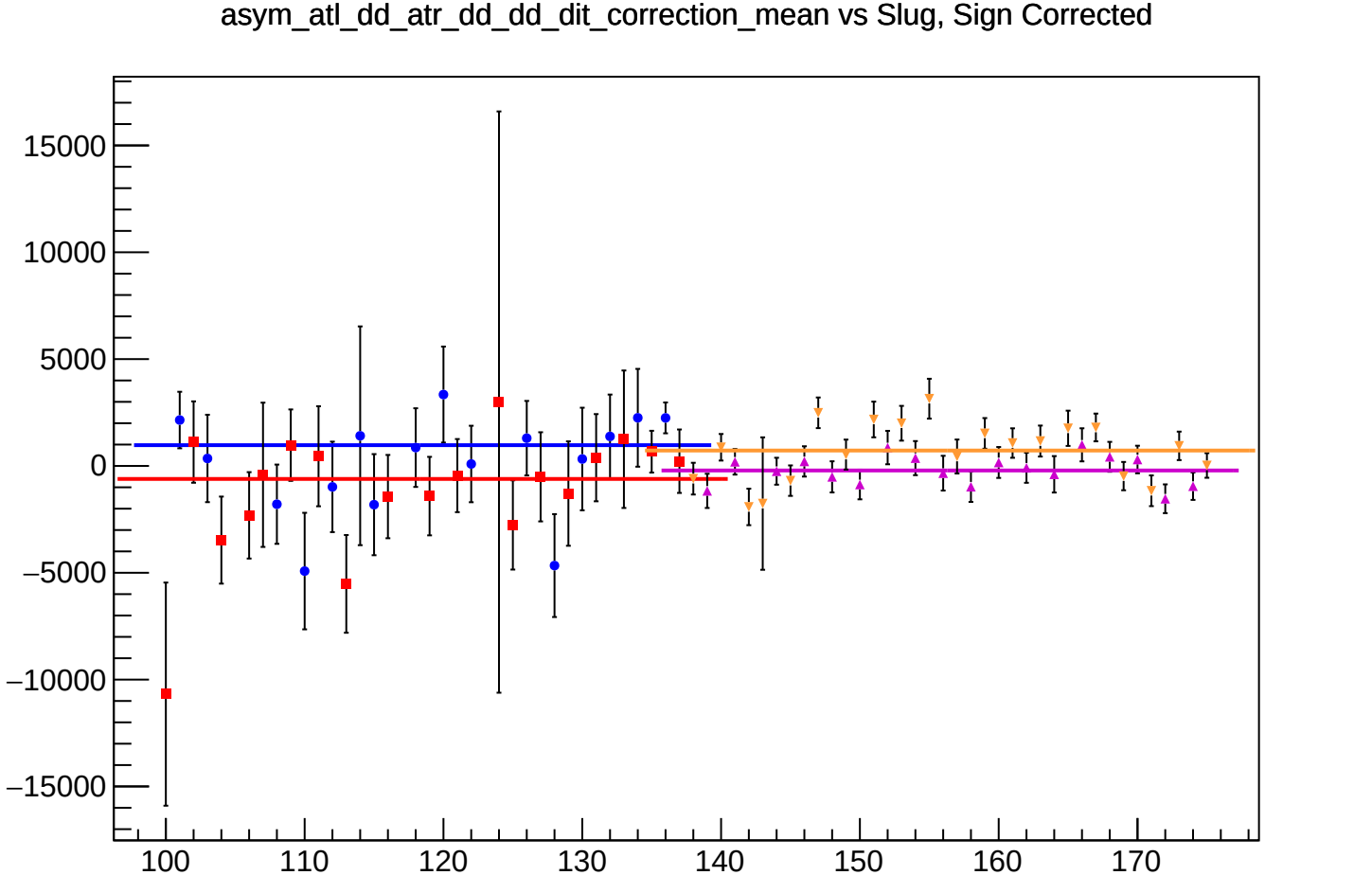
Left: 1237.229+/-0.158 χ^2/NDF: 159518.3/37

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

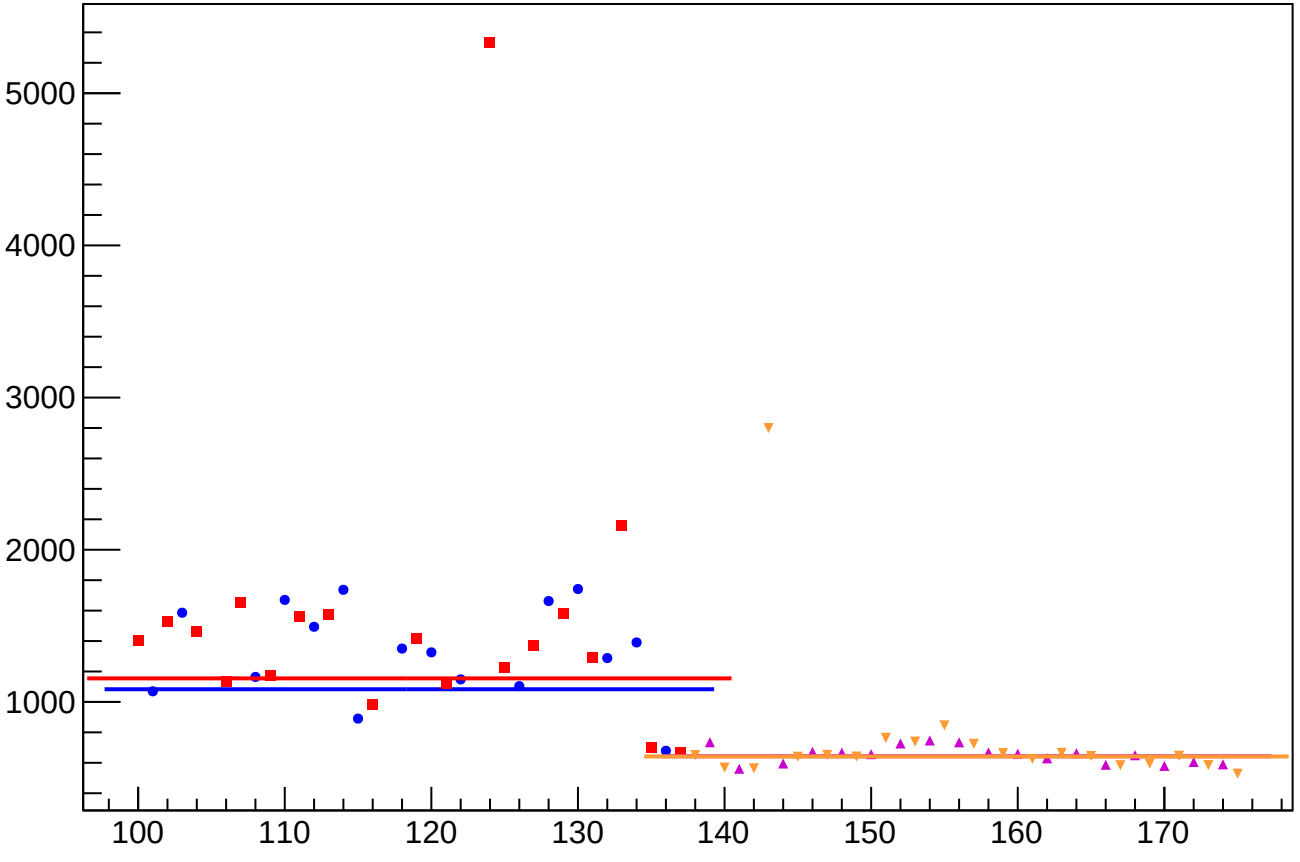
In: 1259.093+/-0.191 χ^2/NDF:534224.5/33

Out: 1241.285+/-0.183 χ^2/NDF:369577.2/38

All: 1249.836+/-0.132 χ^2/NDF: 908342.9/72


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
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: 721.544+/-164.925 χ²/NDF:53.8/19
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -212.114+/-167.661 χ²/NDF:16.3/17
Left: 262.395+/-117.575 χ²/NDF: 85.8/37
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: -52.753+/-155.974 χ²/NDF:43.4/33
Out: 562.646+/-154.760 χ²/NDF:78.7/38
All: 257.352+/-109.859 χ²/NDF: 129.9/72

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326091.2/19

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

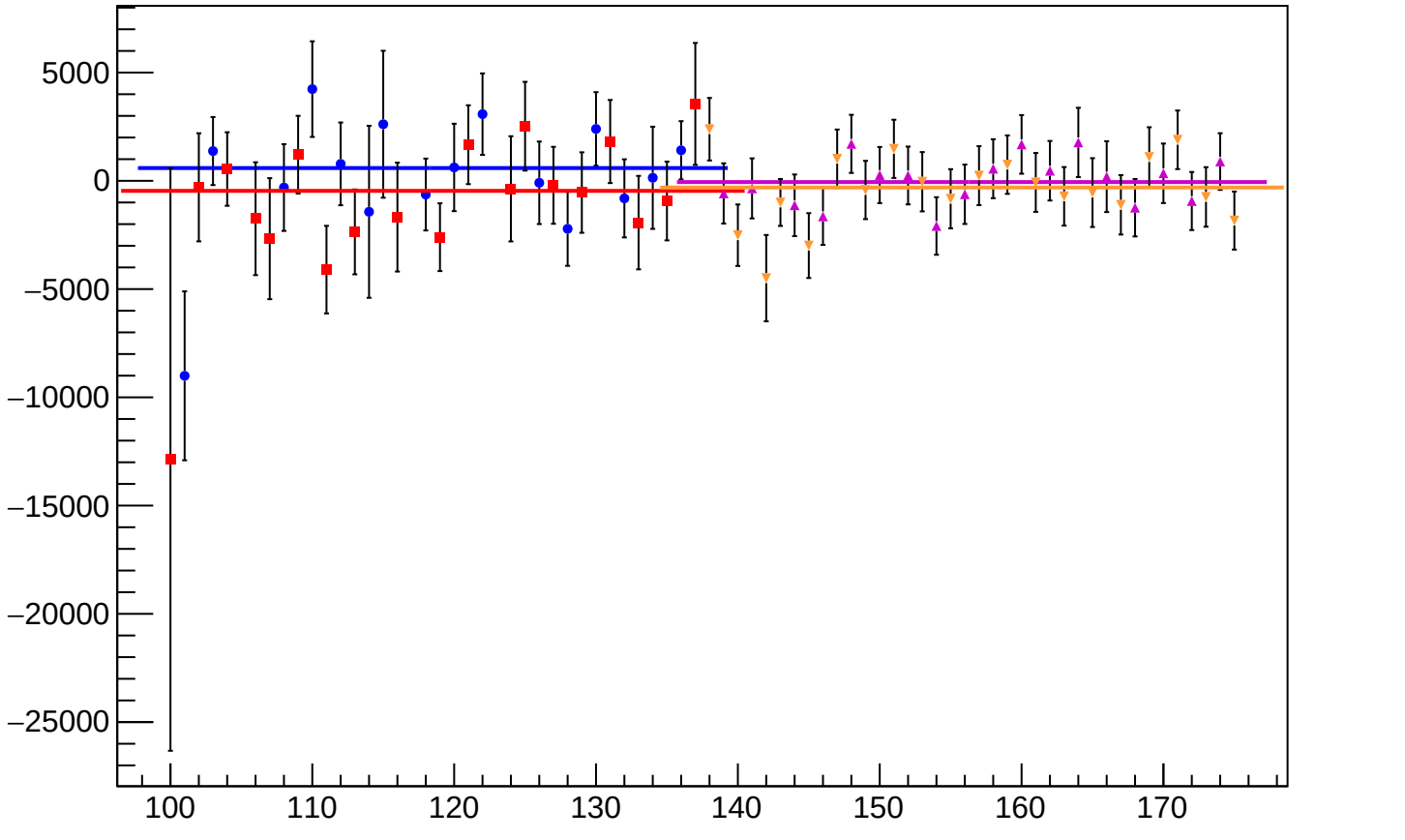
Left: 642.405+/-0.083 χ^2/NDF: 1545629.0/37

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 702.446+/-0.110 χ^2/NDF:3433804.9/33

Out: 702.911+/-0.109 χ^2/NDF:5127341.7/38

All: 702.680+/-0.078 χ^2/NDF: 8561155.6/72



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.171+/-323.922 χ^2/NDF:11.7/17

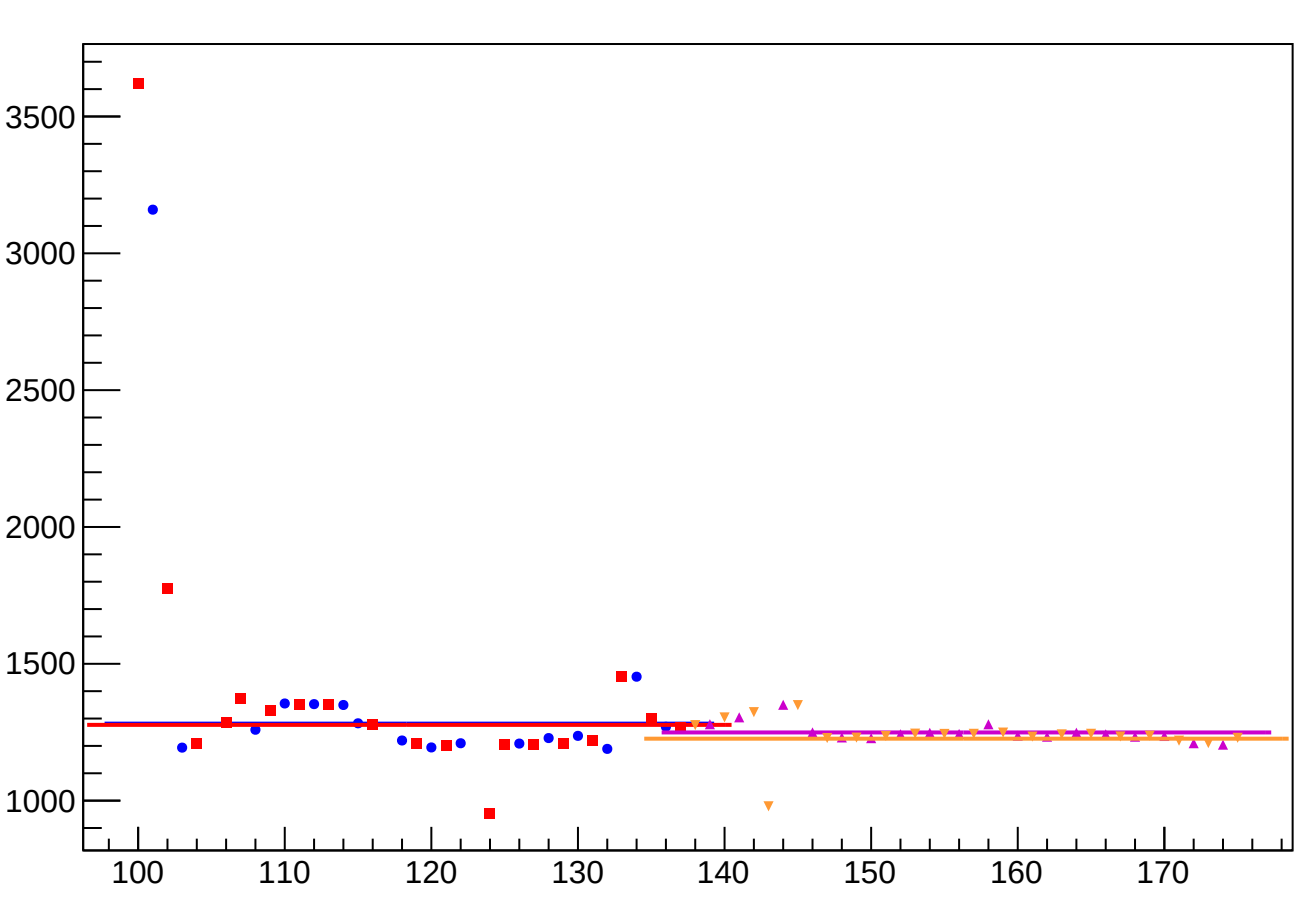
Left: -188.710+/-223.377 χ^2/NDF: 35.2/37

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 142.285+/-269.451 χ^2/NDF:30.0/33

Out: -353.604+/-258.983 χ^2/NDF:40.0/38

All: -115.479+/-186.719 χ^2/NDF: 71.8/72



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133268.3/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

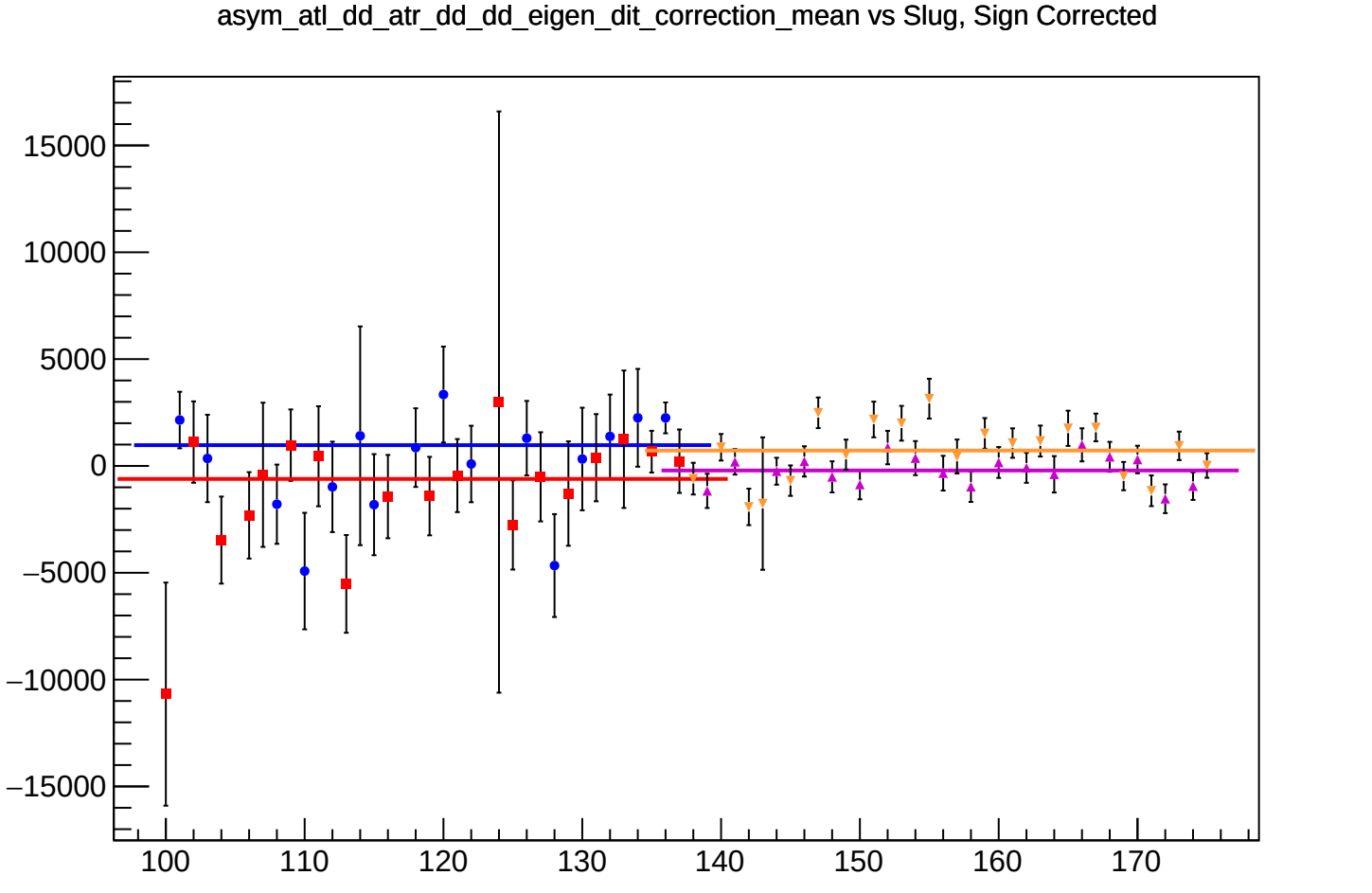
Left: 1237.229+/-0.158 χ^2/NDF: 159517.6/37

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

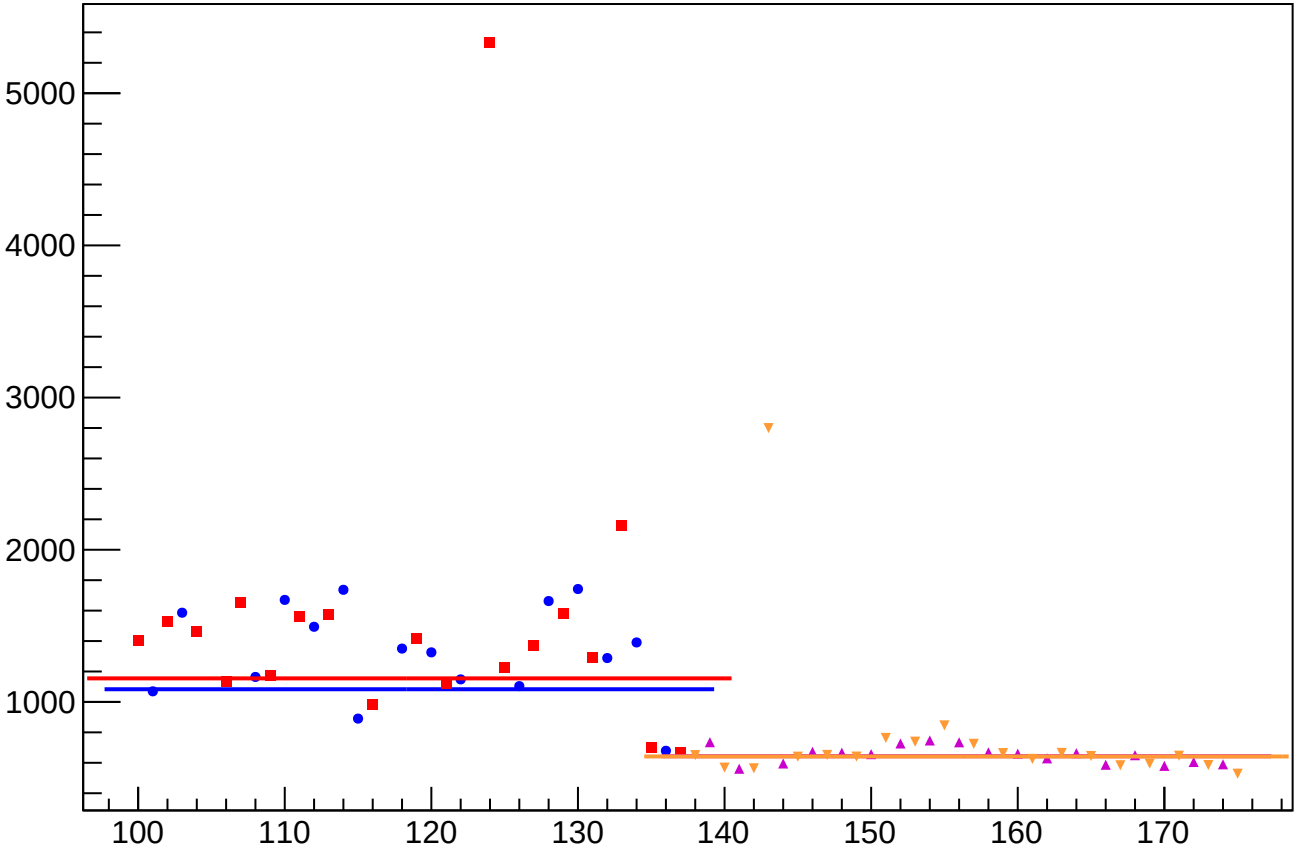
In: 1259.093+/-0.191 χ^2/NDF:534224.7/33

Out: 1241.285+/-0.183 χ^2/NDF:369576.2/38

All: 1249.836+/-0.132 χ^2/NDF: 908342.2/72


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 721.545+/-164.925 χ²/NDF:53.8/19
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -212.112+/-167.661 χ²/NDF:16.3/17
Left: 262.395+/-117.575 χ²/NDF: 85.8/37
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: -52.754+/-155.974 χ²/NDF:43.4/33
Out: 562.646+/-154.760 χ²/NDF:78.7/38
All: 257.351+/-109.859 χ²/NDF: 129.9/72

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326088.0/19

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

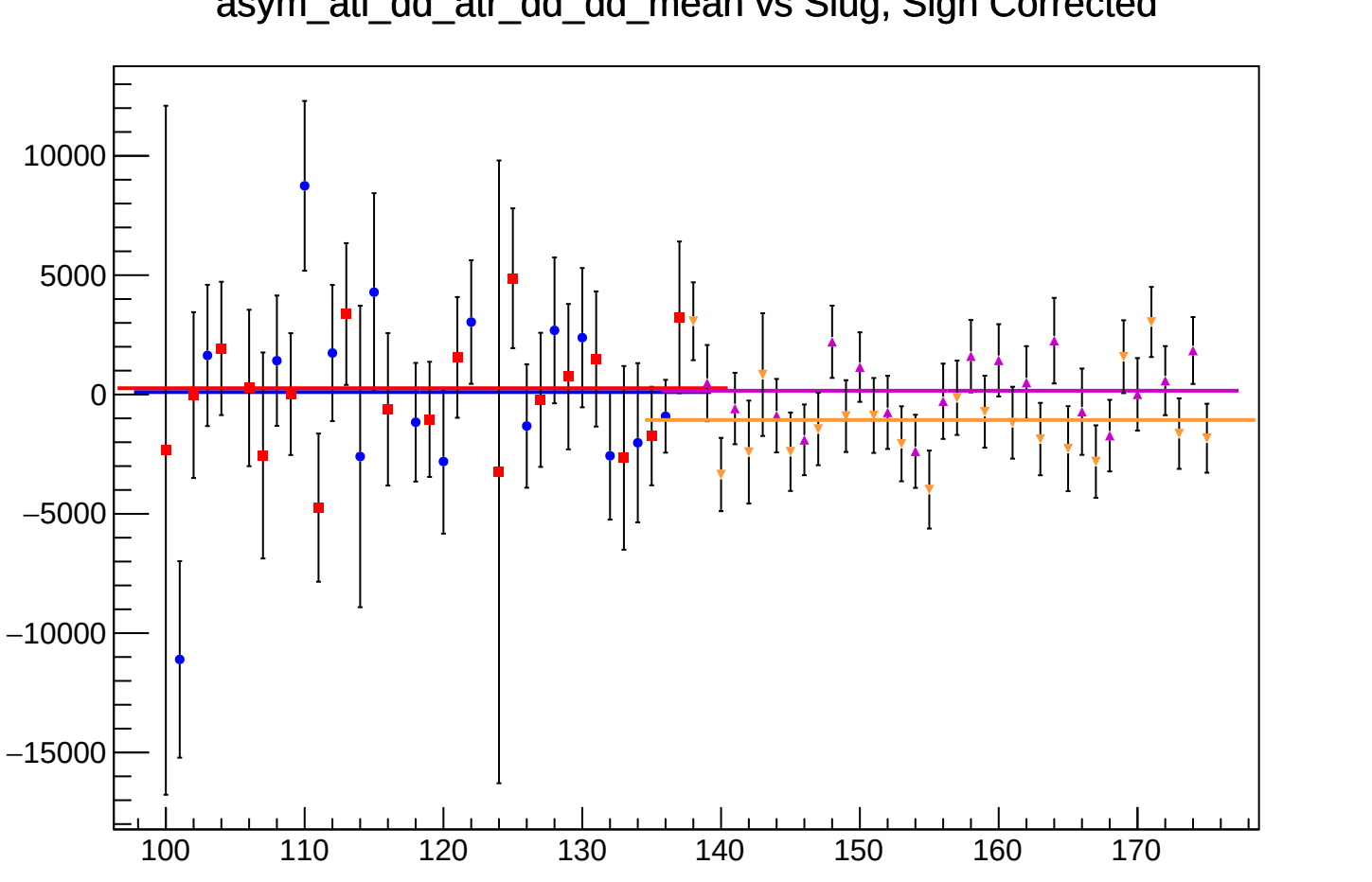
Left: 642.405+/-0.083 χ^2/NDF: 1545629.5/37

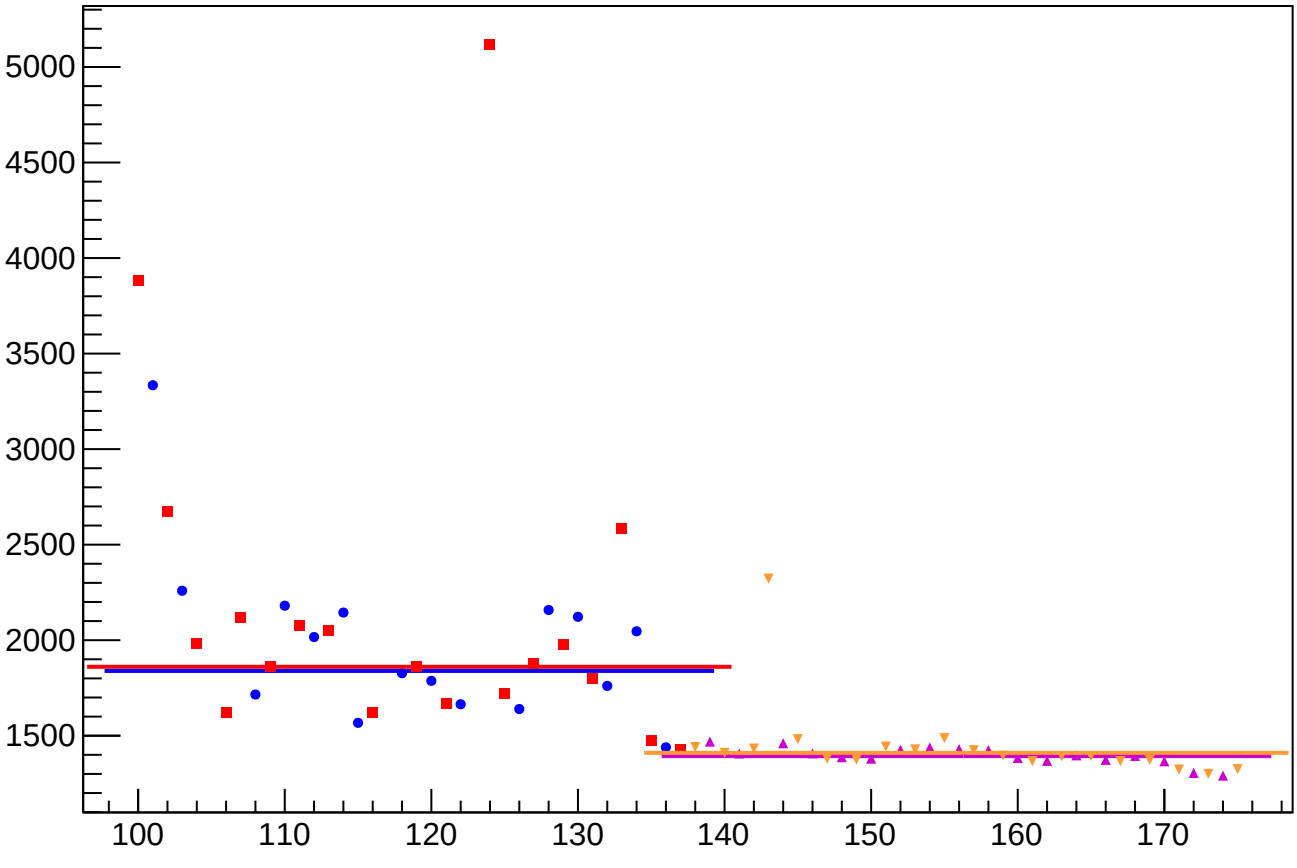
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 702.446+/-0.110 χ^2/NDF:3433799.0/33

Out: 702.912+/-0.109 χ^2/NDF:5127334.3/38

All: 702.681+/-0.078 χ^2/NDF: 8561142.3/72


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1068.069+/-355.670 χ²/NDF:27.6/19
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 158.419+/-361.362 χ²/NDF:14.5/17
Left: -464.562+/-253.485 χ²/NDF: 48.0/37
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 146.193+/-321.002 χ²/NDF:35.8/33
Out: -794.829+/-317.061 χ²/NDF:40.9/38
All: -330.130+/-225.577 χ²/NDF: 81.0/72



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

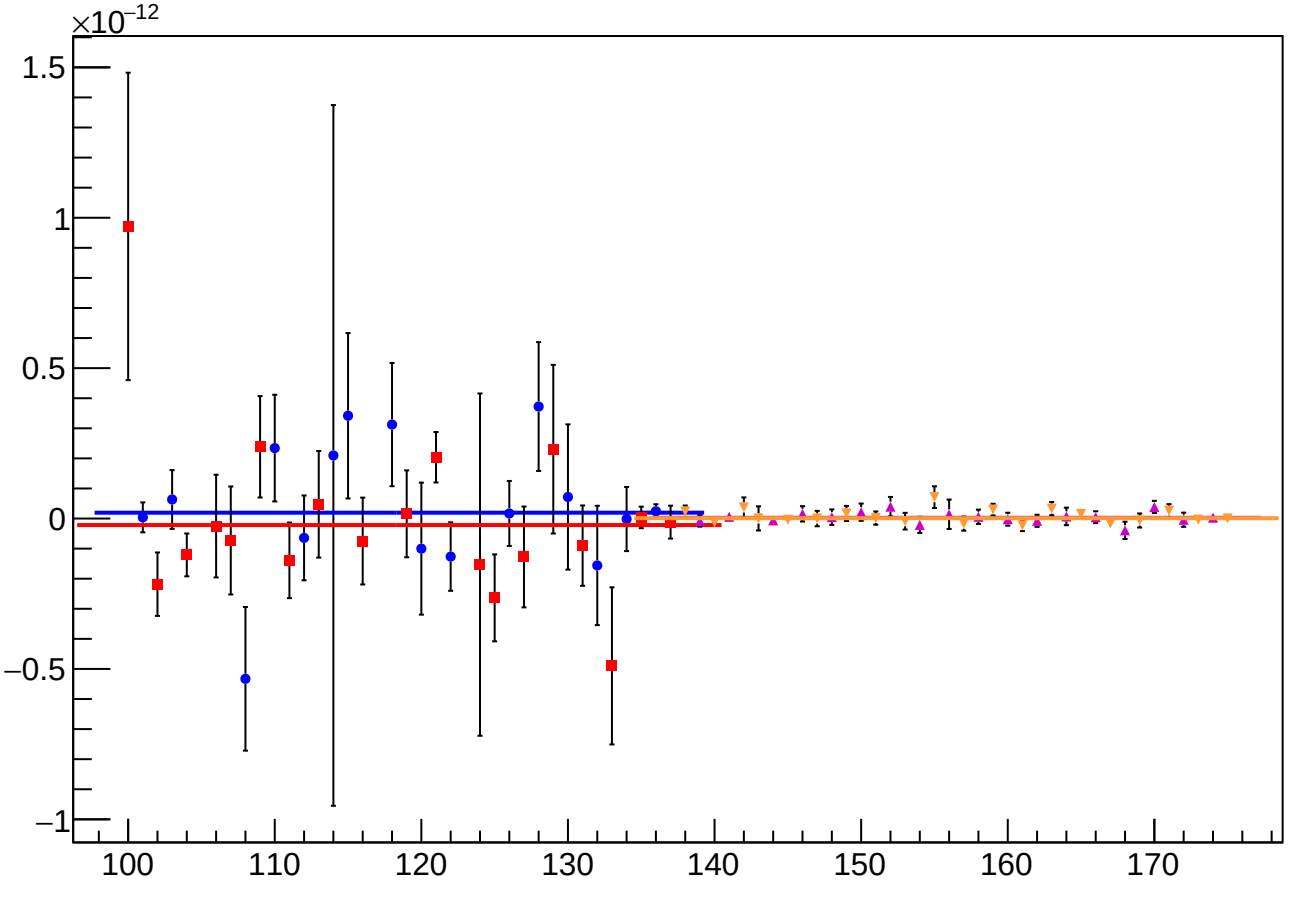
Left: 1401.940+/-0.179 χ^2/NDF: 329414.4/37

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1487.230+/-0.227 χ^2/NDF:1232049.6/33

Out: 1502.889+/-0.224 χ^2/NDF:1474547.5/38

All: 1495.156+/-0.160 χ^2/NDF: 2709006.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

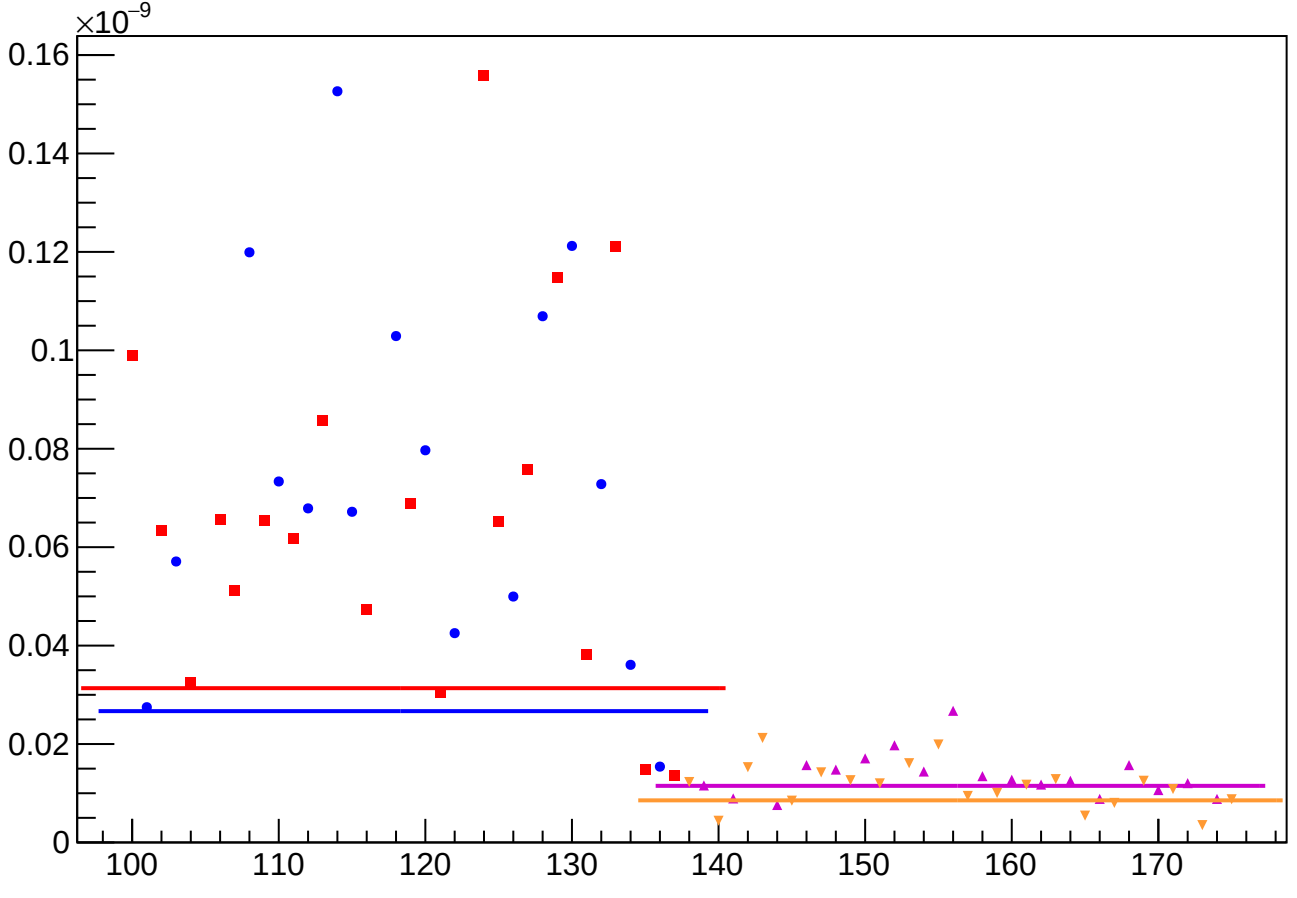
Left: 0.000+/-0.000 χ^2/NDF: 28.0/37

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.6/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/38

All: 0.000+/-0.000 χ^2/NDF: 74.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

Left: 0.000+/-0.000 χ^2/NDF: 3303340.3/37

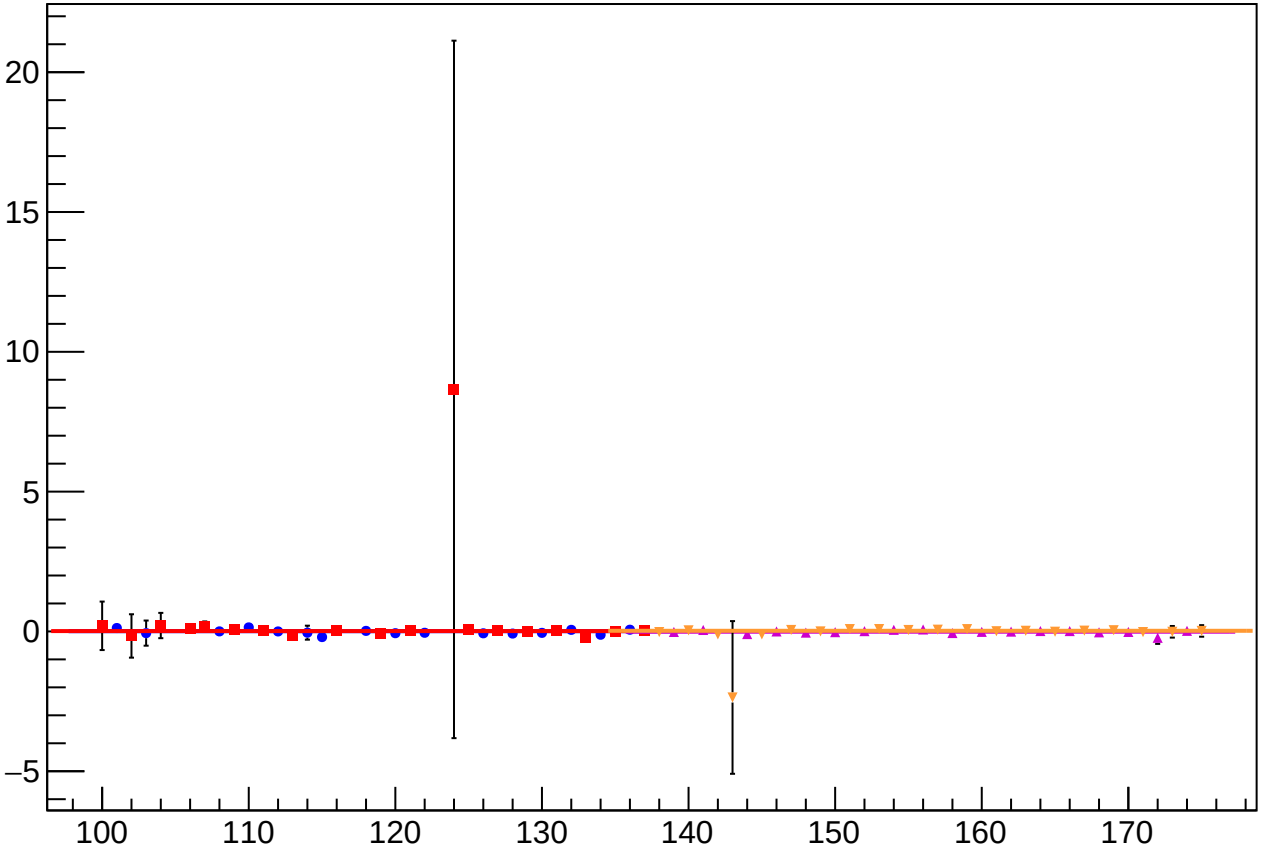
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4688338.9/33

Out: 0.000+/-0.000 χ^2/NDF:6297085.6/38

All: 0.000+/-0.000 χ^2/NDF: 11516519.0/72

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

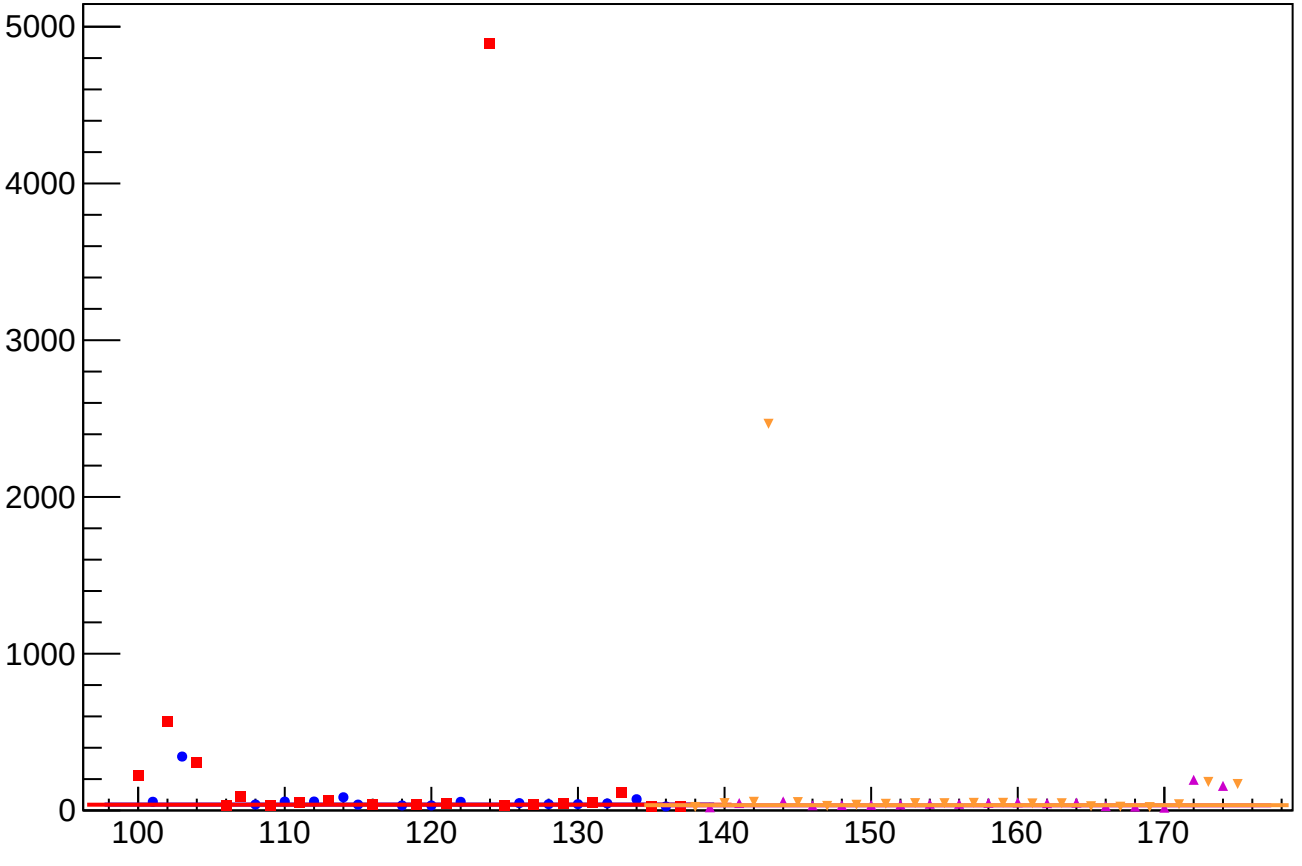
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

Left: 33.129+/-0.005 χ^2/NDF: 10676967.5/37

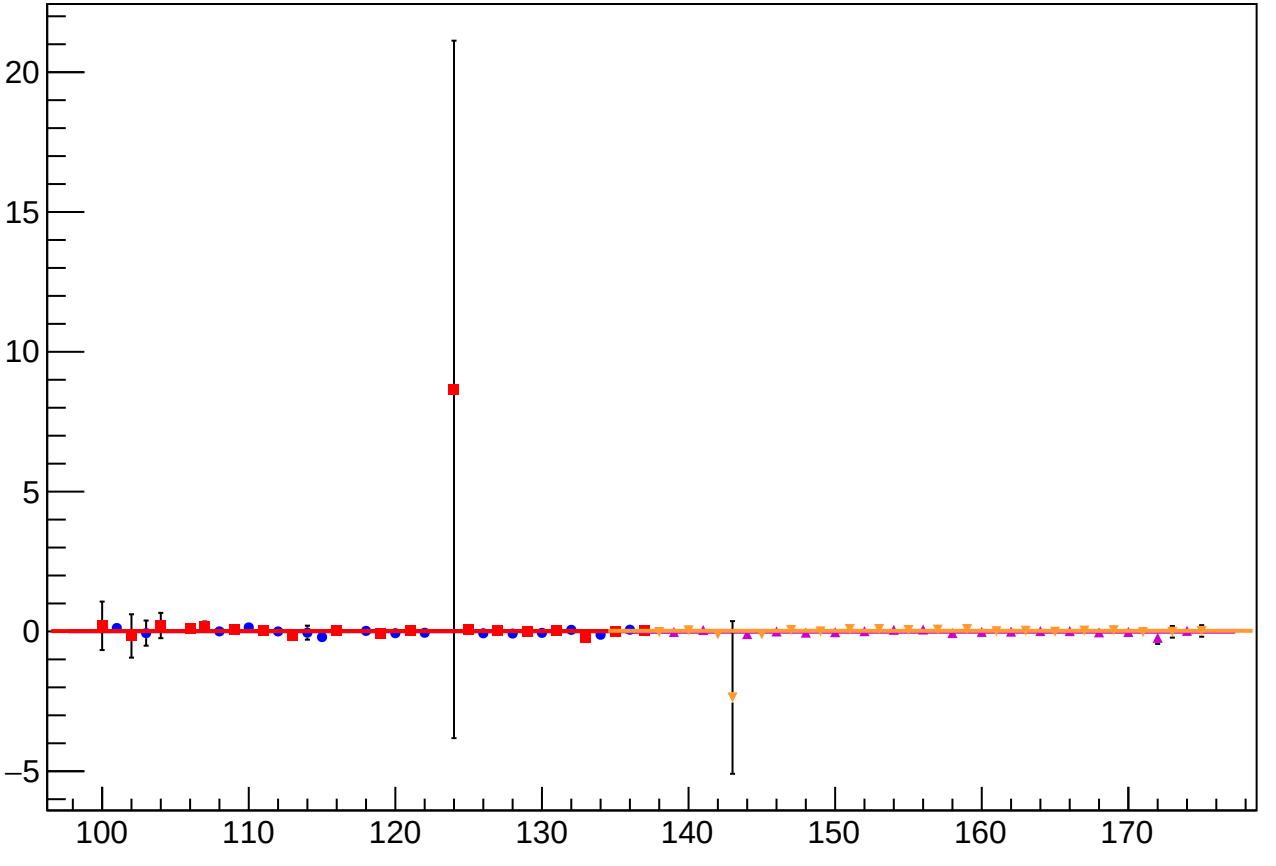
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

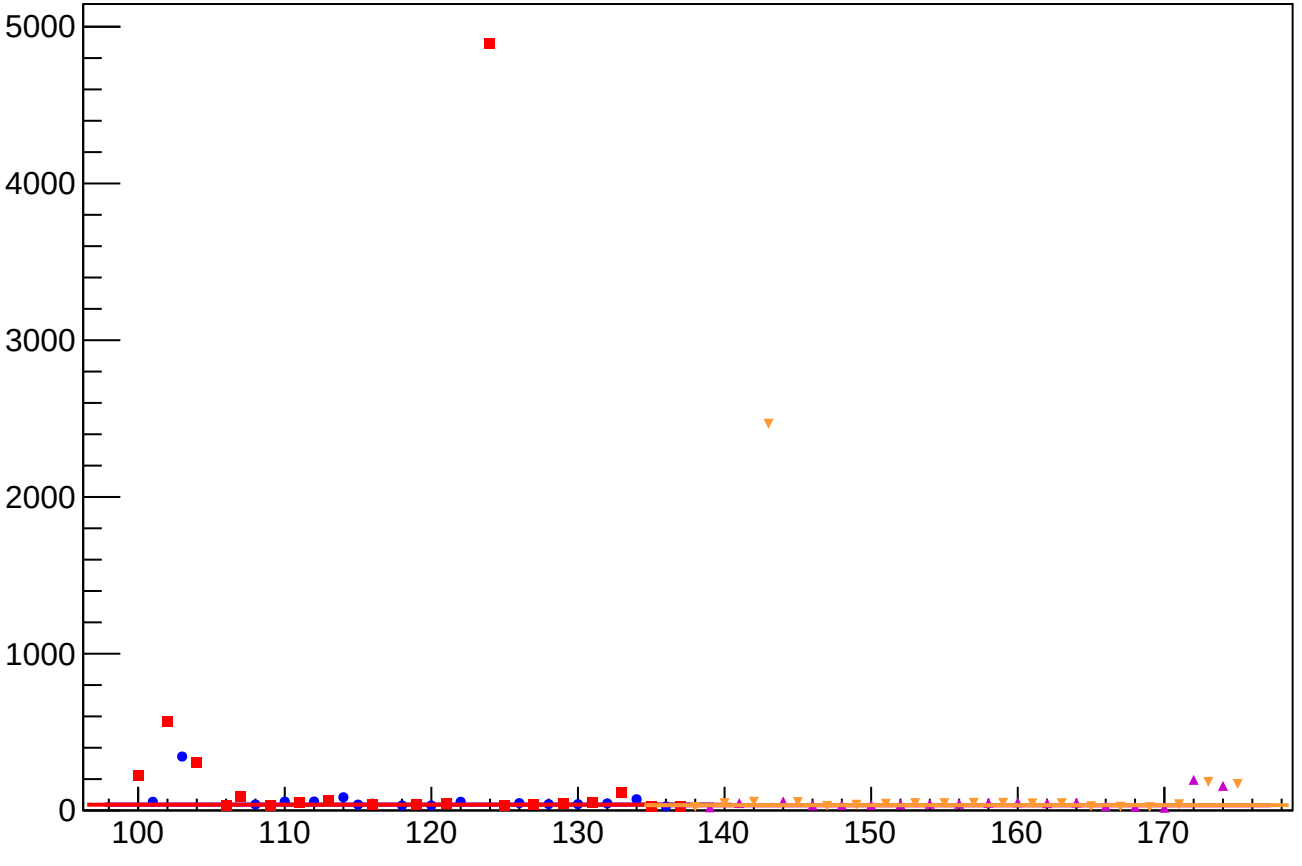
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

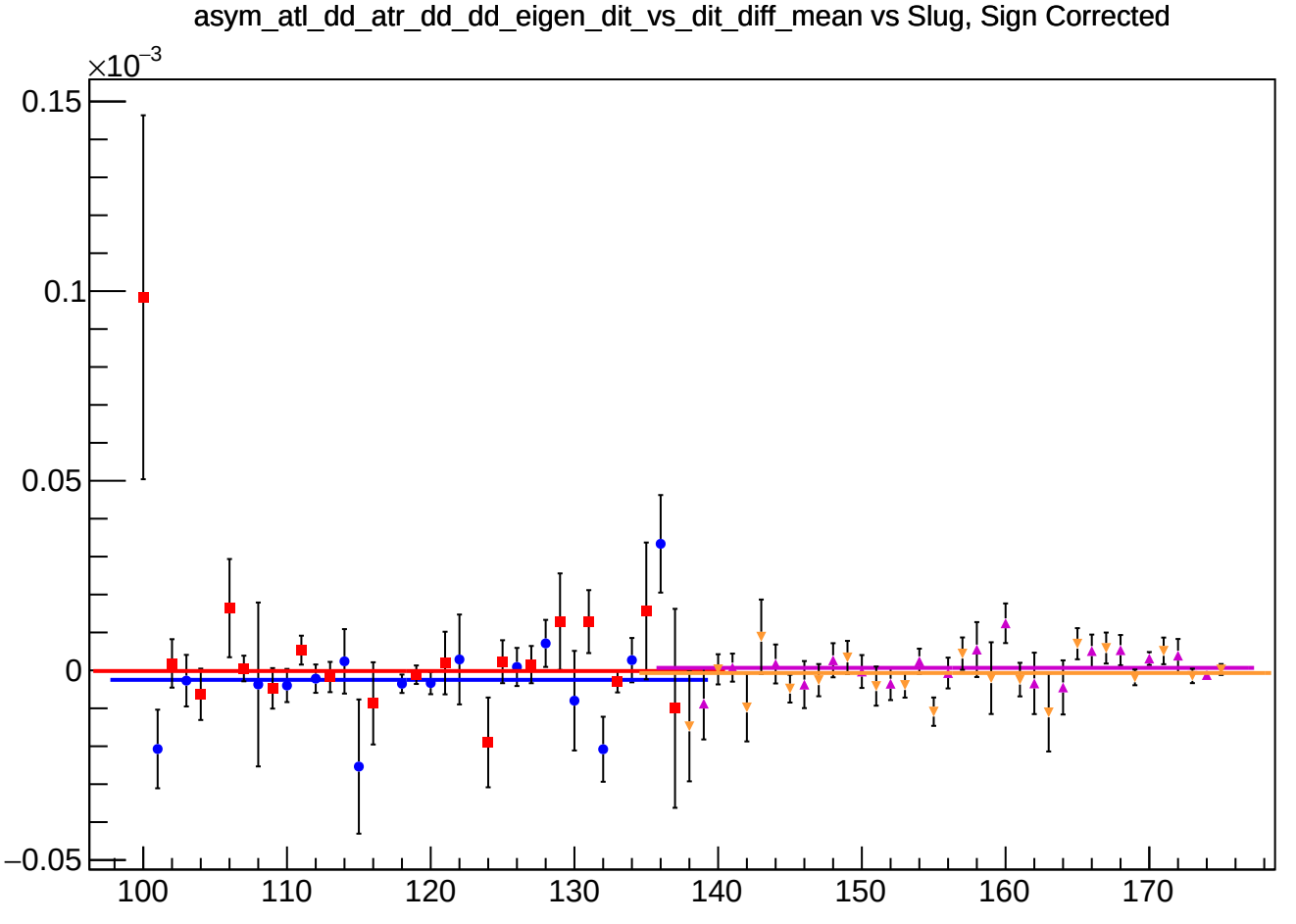
Left: 33.129+/-0.005 χ^2/NDF: 10676967.5/37

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

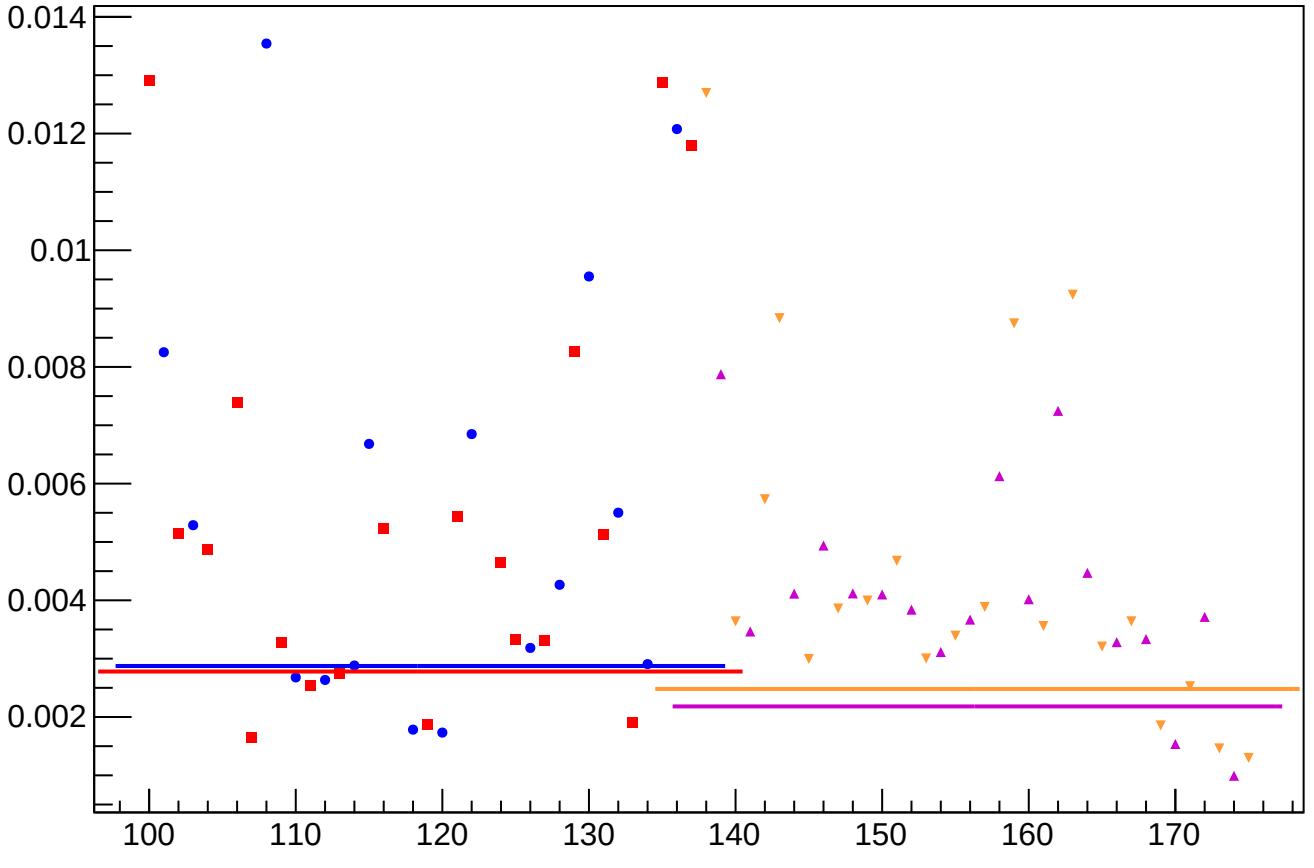
Left: 0.000+/-0.000 χ^2/NDF: 45.7/37

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:43.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.5/38

All: -0.000+/-0.000 χ^2/NDF: 89.6/72



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:7693908.4/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8209974.0/17

Left: 0.002+/-0.000 χ^2/NDF: 16070150.5/37

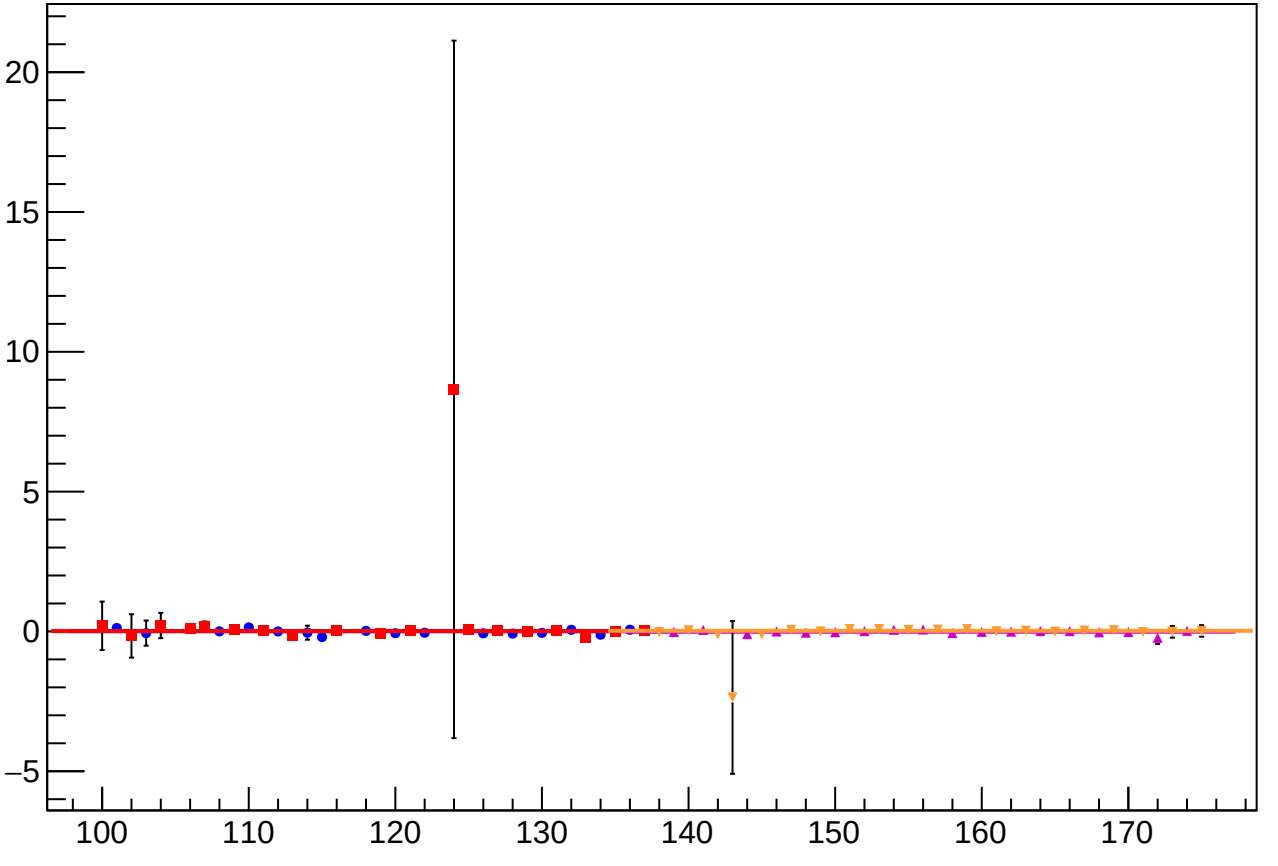
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:12793951.6/33

Out: 0.003+/-0.000 χ^2/NDF:11097233.2/38

All: 0.002+/-0.000 χ^2/NDF: 24015967.6/72

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

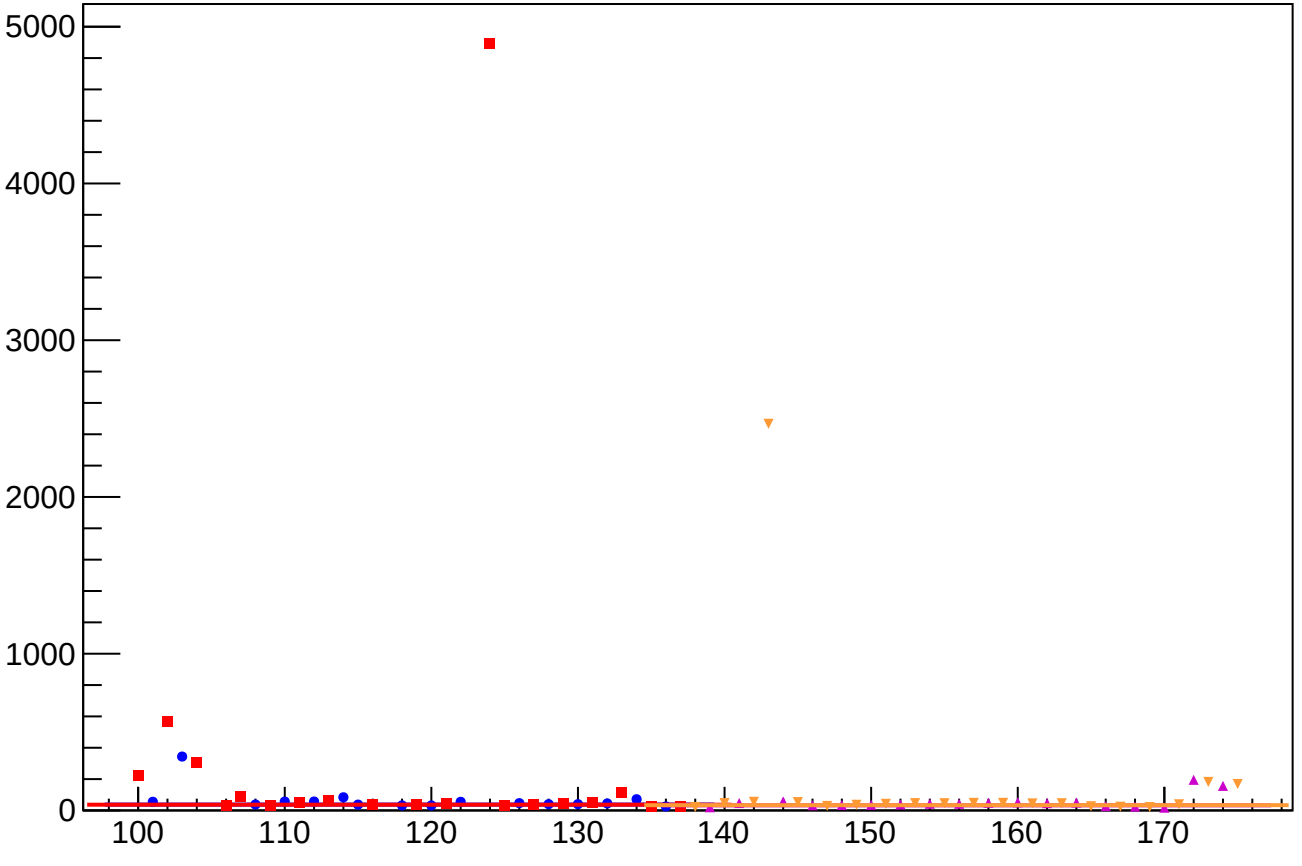
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

Left: 33.130+/-0.005 χ^2/NDF: 10675803.0/37

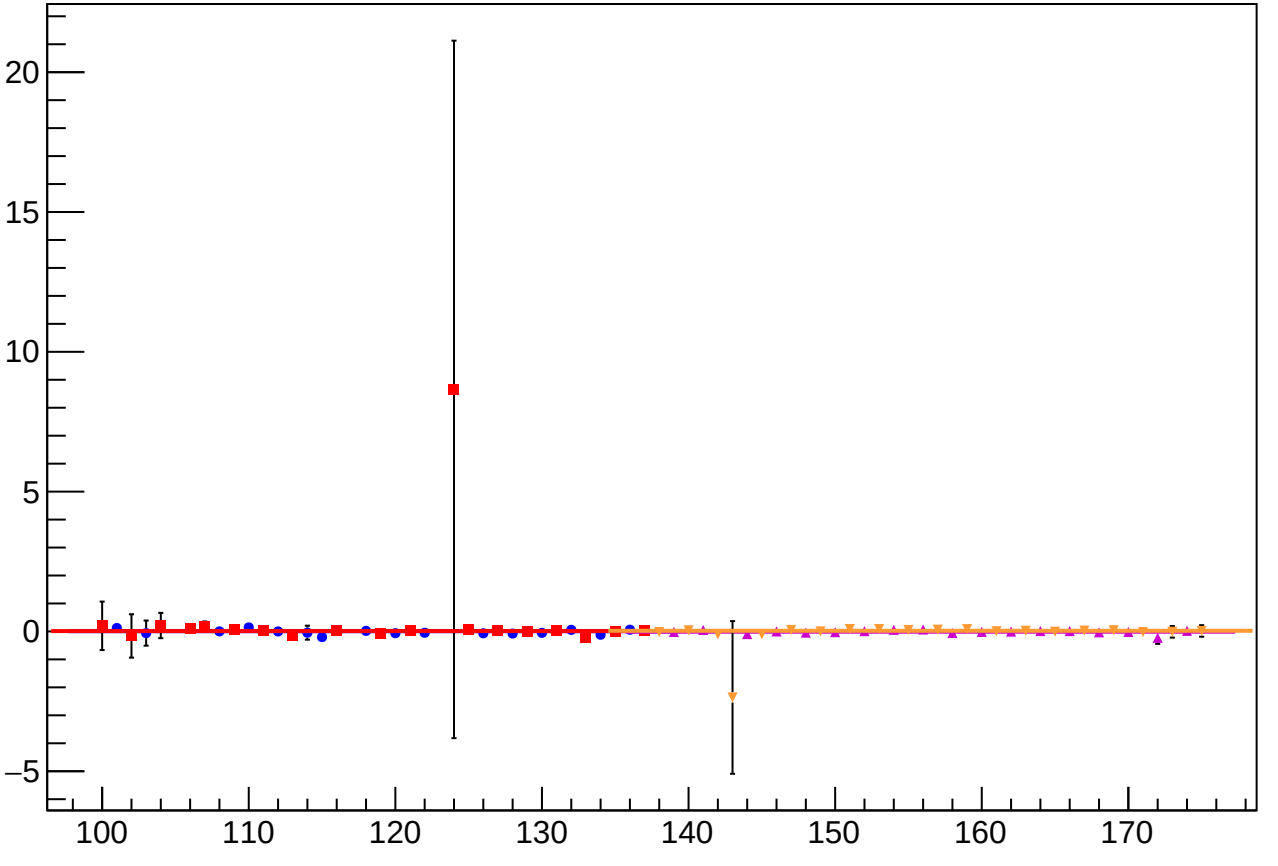
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

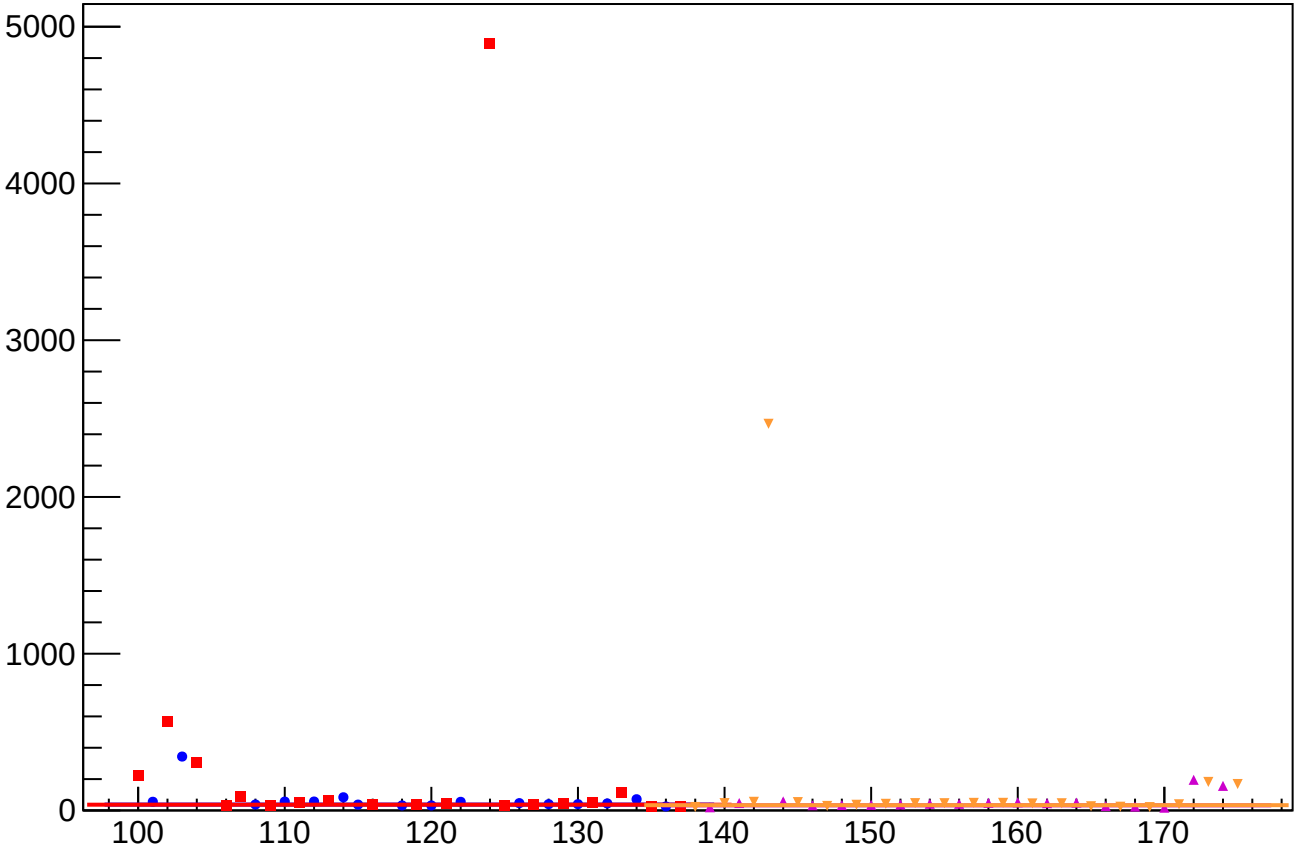
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

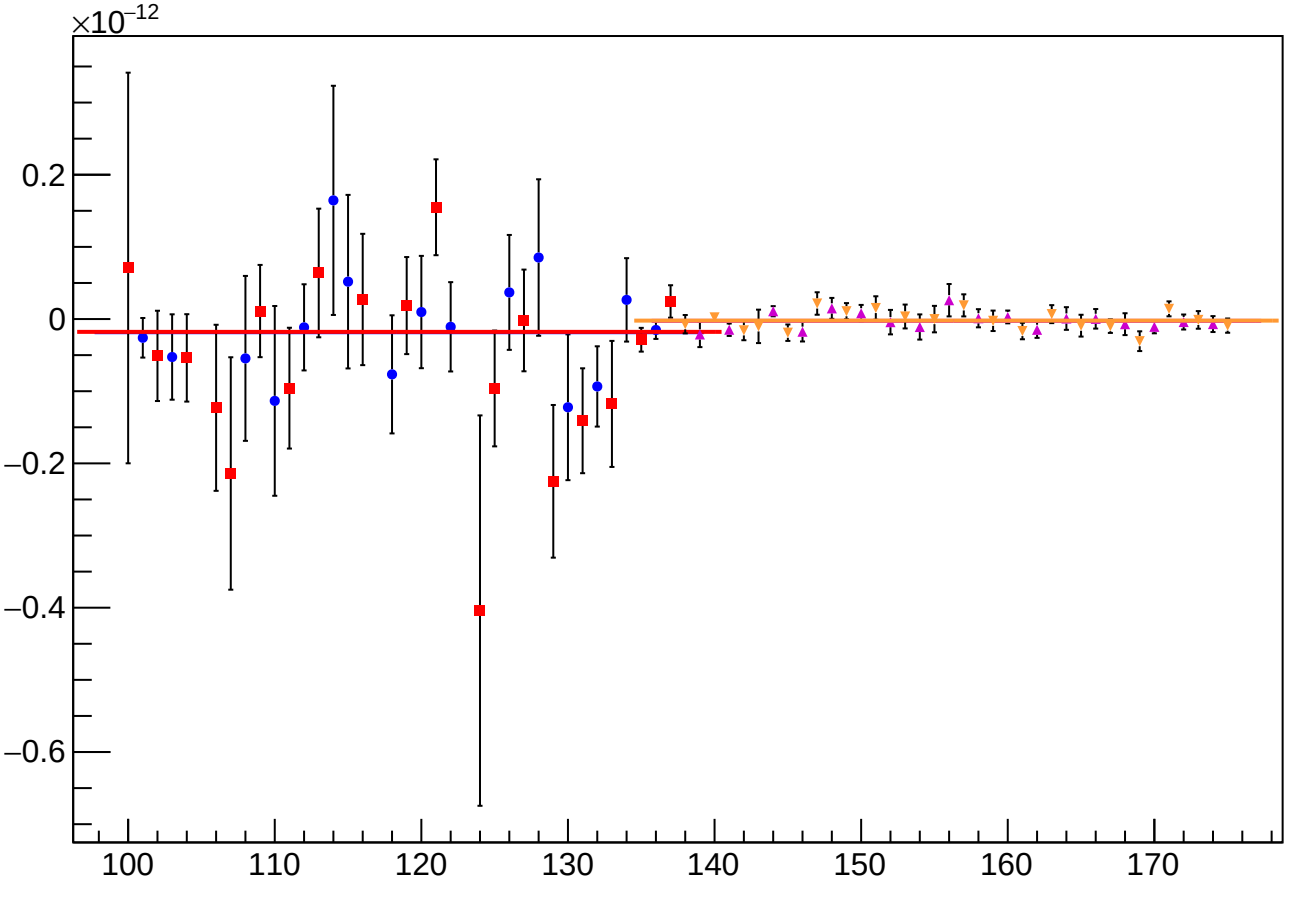
Left: 33.130+/-0.005 χ^2/NDF: 10675803.0/37

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

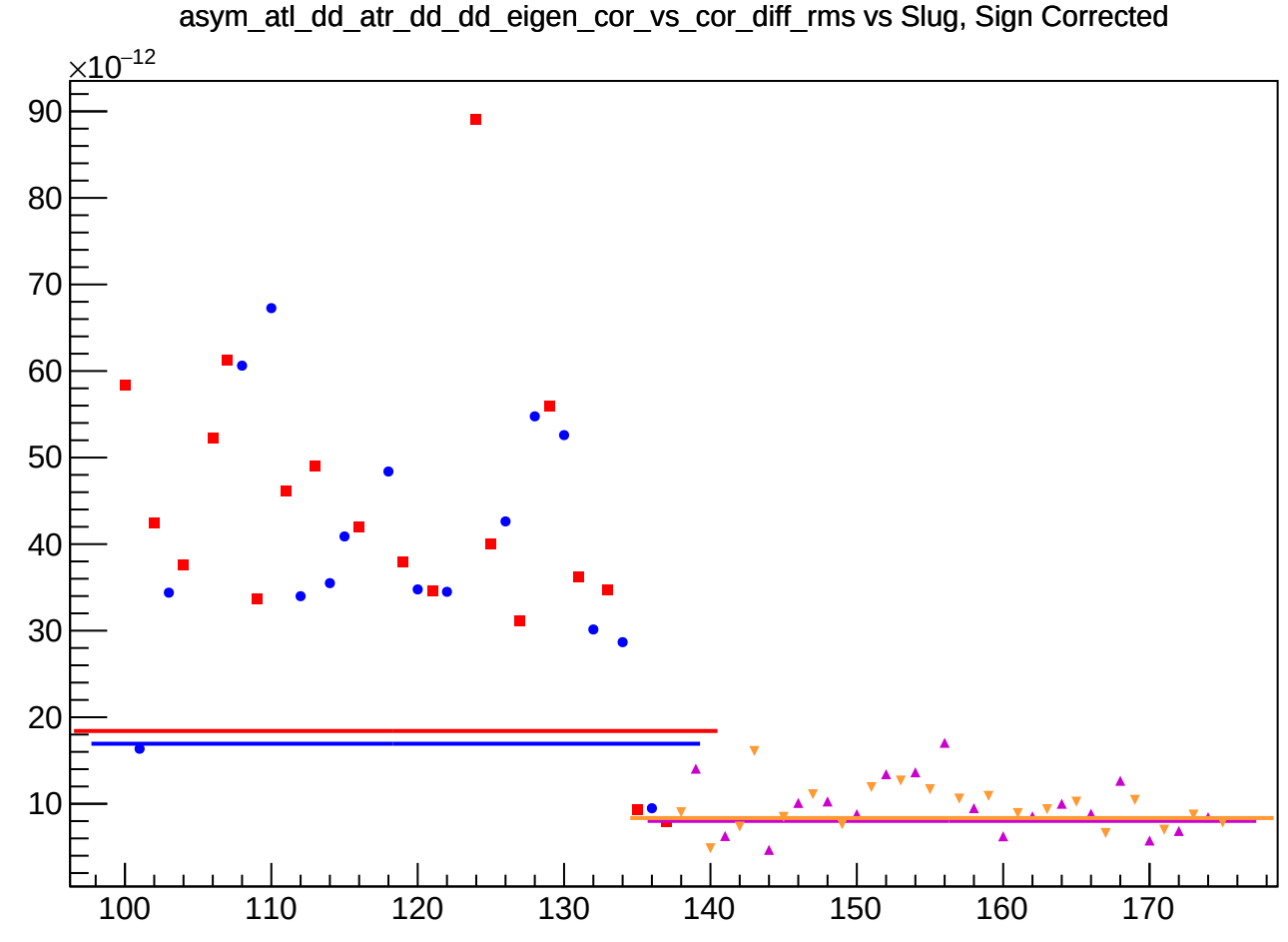
Left: -0.000+/-0.000 χ^2/NDF: 36.0/37

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/33

Out: -0.000+/-0.000 χ^2/NDF:50.2/38

All: -0.000+/-0.000 χ^2/NDF: 75.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459012.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2102767.1/17

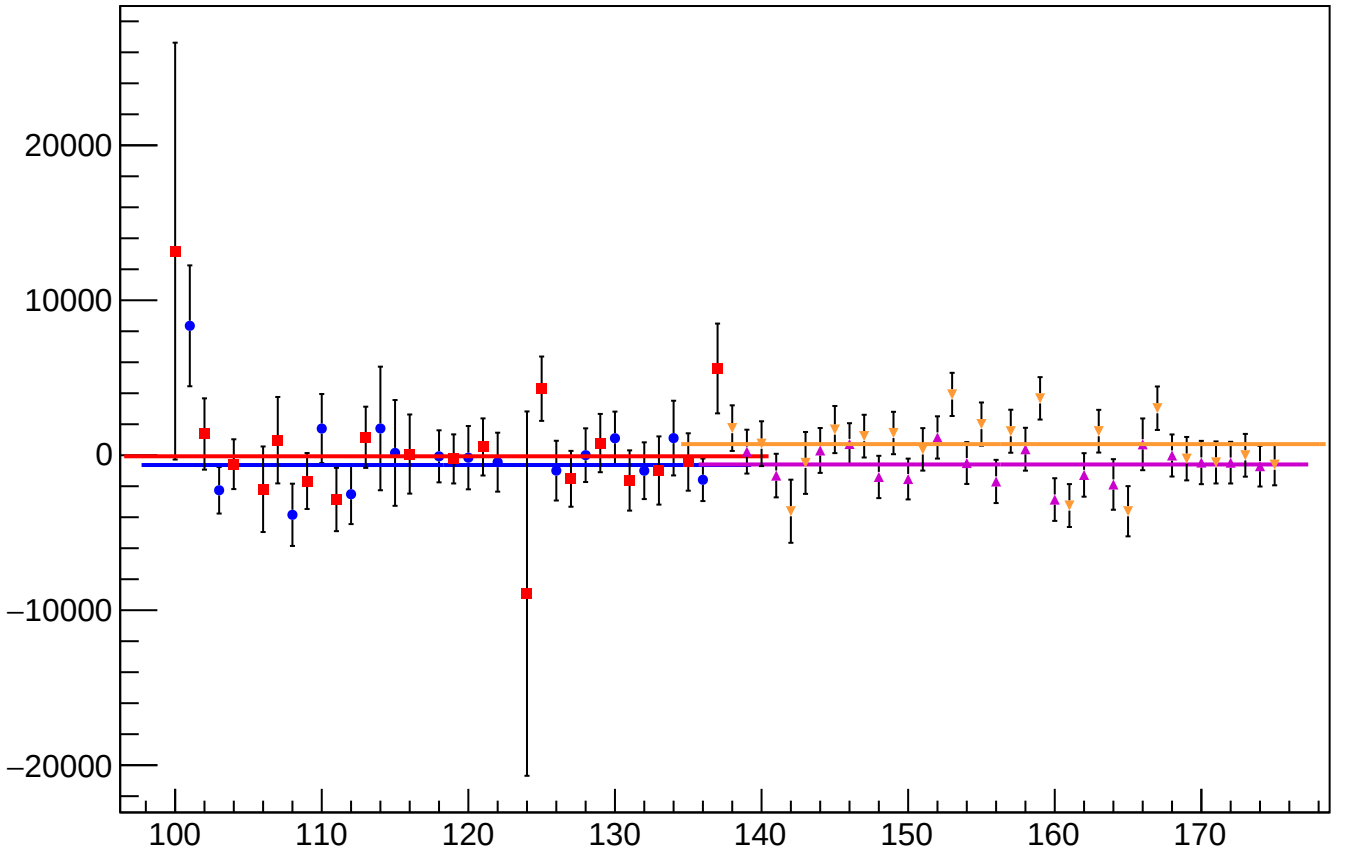
Left: 0.000+/-0.000 χ^2/NDF: 3576403.5/37

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6812973.5/33

Out: 0.000+/-0.000 χ^2/NDF:6695711.1/38

All: 0.000+/-0.000 χ^2/NDF: 13519251.2/72



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.396+/-329.096 χ^2/NDF:10.0/17

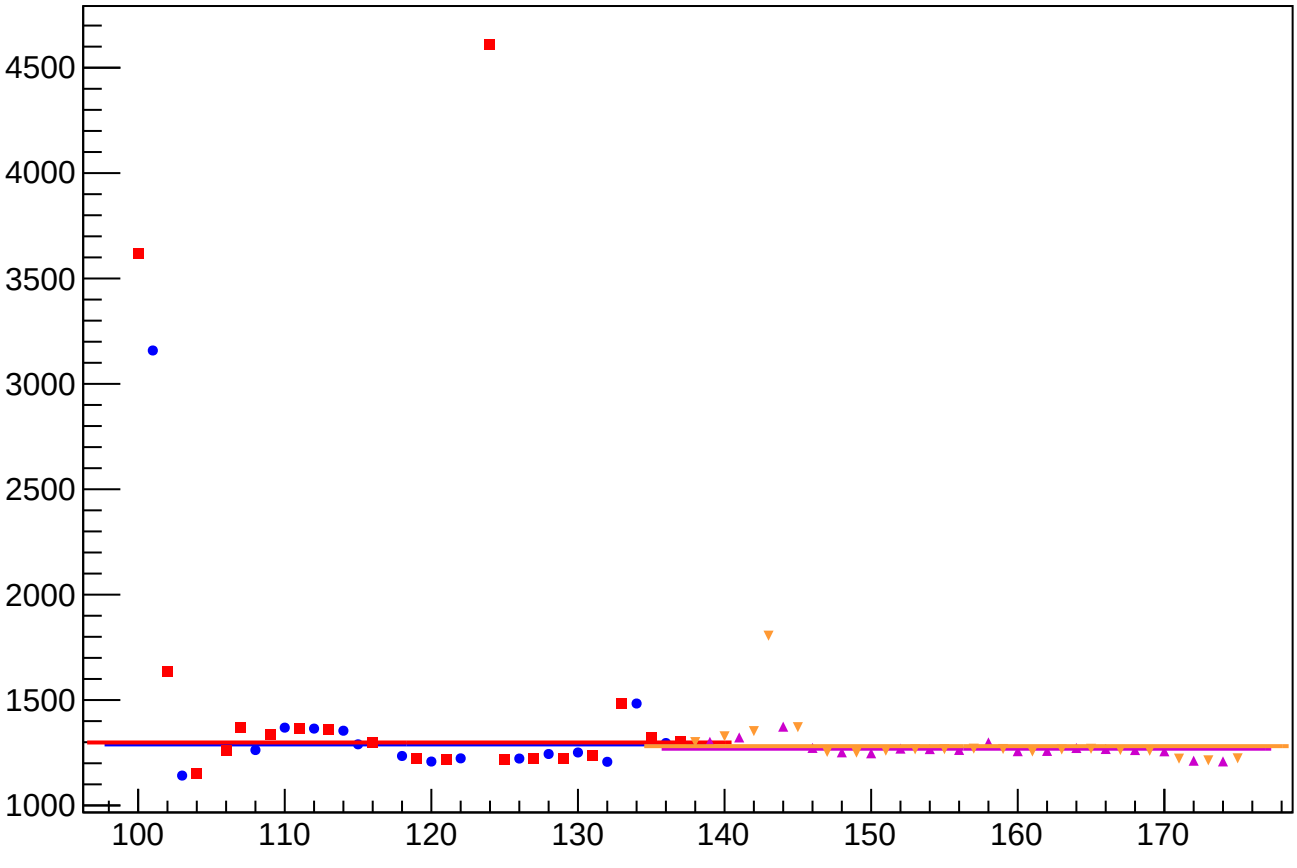
Left: 75.182+/-230.304 χ^2/NDF: 56.4/37

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -605.830+/-272.965 χ^2/NDF:23.9/33

Out: 478.985+/-268.960 χ^2/NDF:56.0/38

All: -55.405+/-191.584 χ^2/NDF: 87.9/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

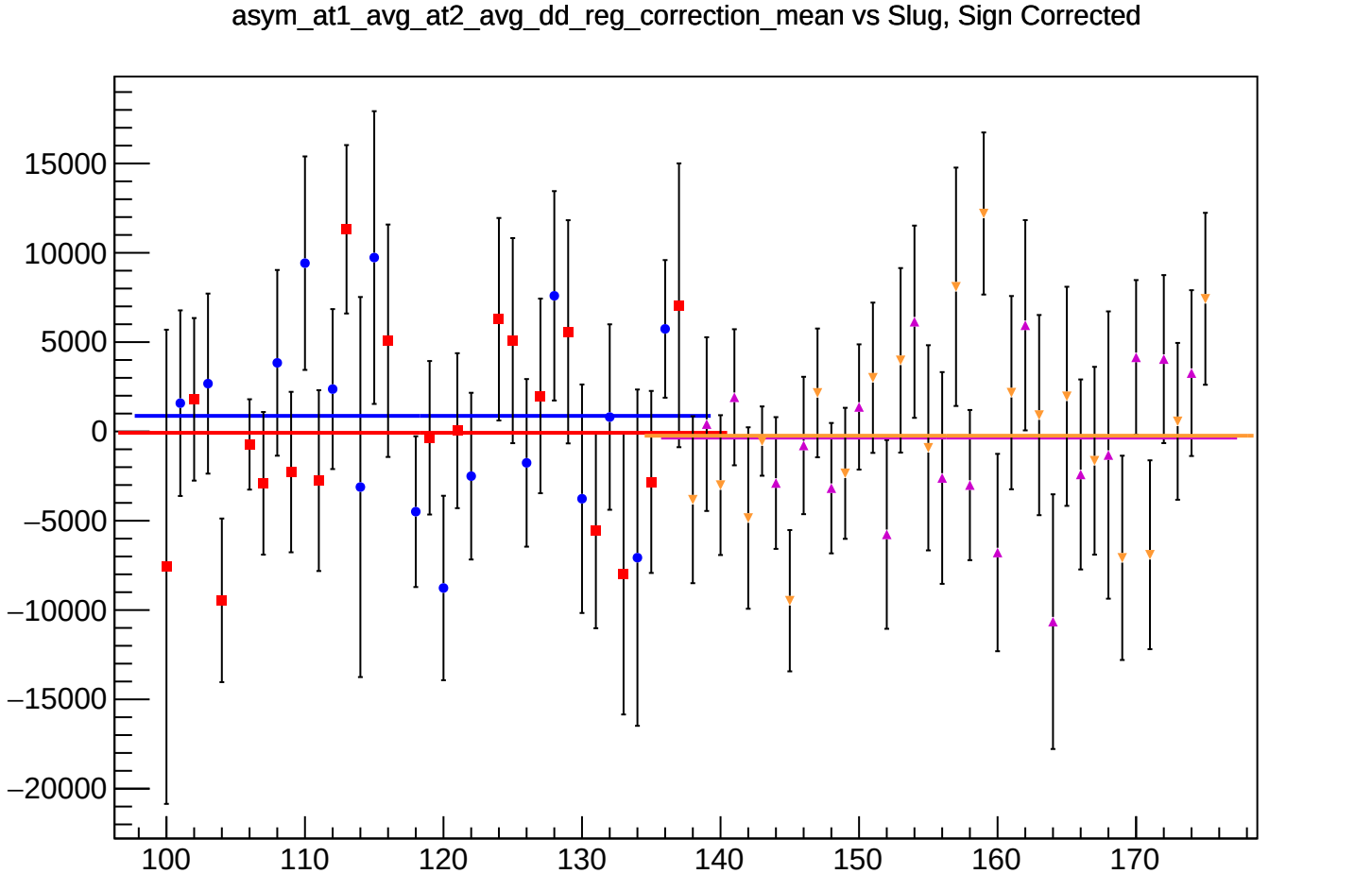
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1275.424+/-0.193 χ^2/NDF:541587.2/33

Out: 1286.556+/-0.190 χ^2/NDF:487923.4/38

All: 1281.076+/-0.135 χ^2/NDF: 1031199.6/72



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -345.521+/-1090.150 χ^2/NDF:12.1/17

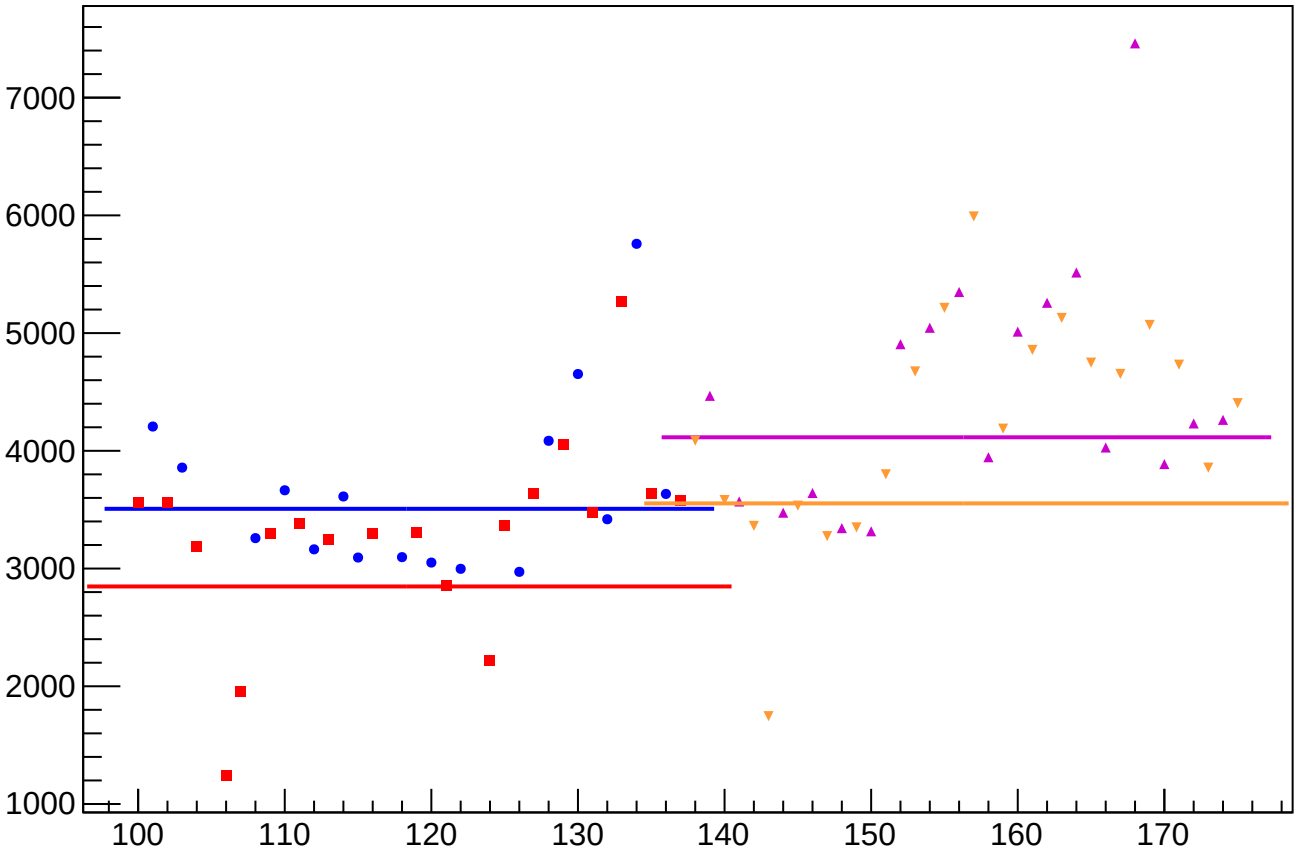
Left: -285.469+/-714.666 χ^2/NDF: 36.6/37

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 145.145+/-841.911 χ^2/NDF:26.6/33

Out: -171.720+/-720.465 χ^2/NDF:42.9/38

All: -37.770+/-547.395 χ^2/NDF: 69.6/72



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

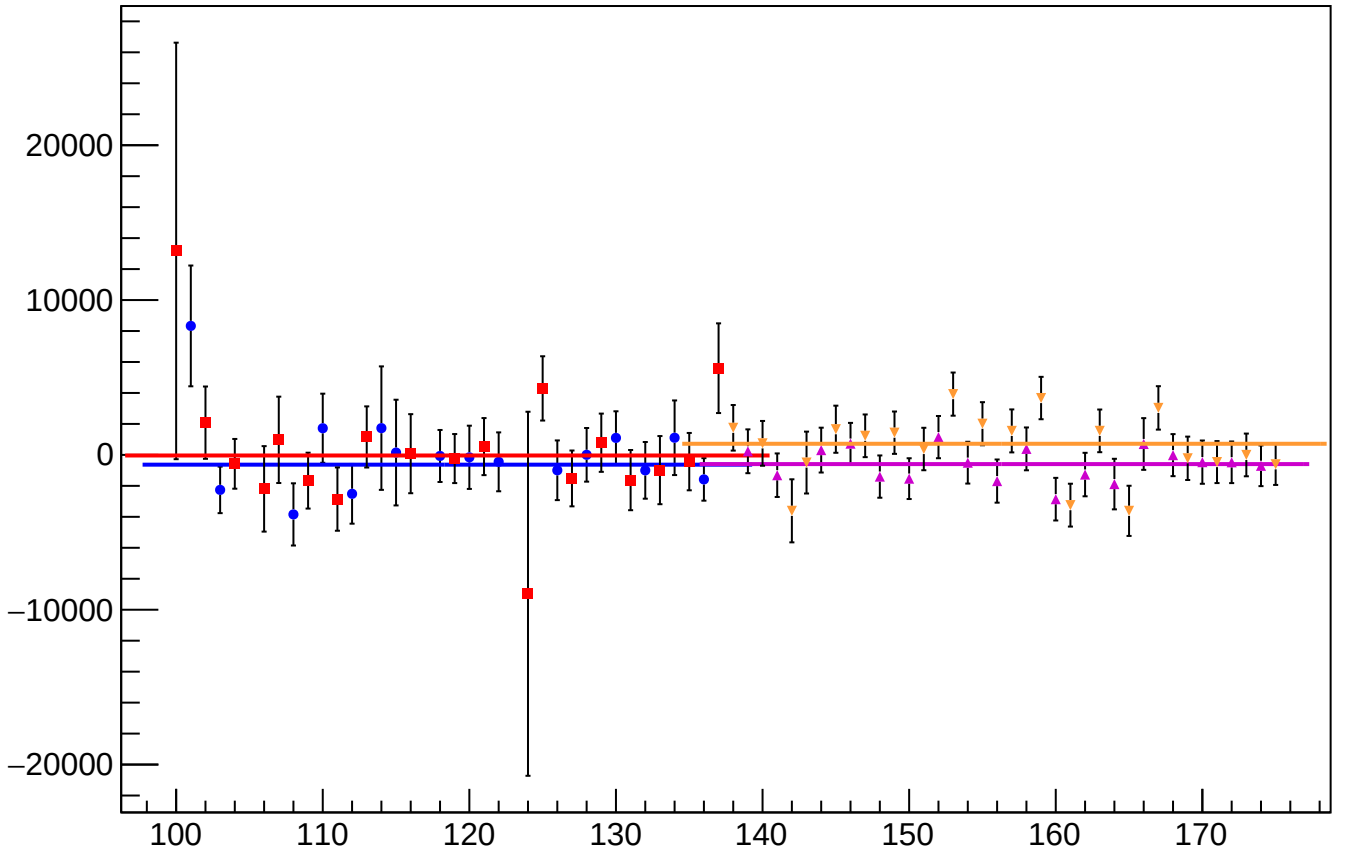
Left: 3794.728+/-0.505 χ^2/NDF: 4501530.5/37

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3869.740+/-0.595 χ^2/NDF:1695353.6/33

Out: 3256.733+/-0.509 χ^2/NDF:5075051.5/38

All: 3515.873+/-0.387 χ^2/NDF: 7382478.3/72



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

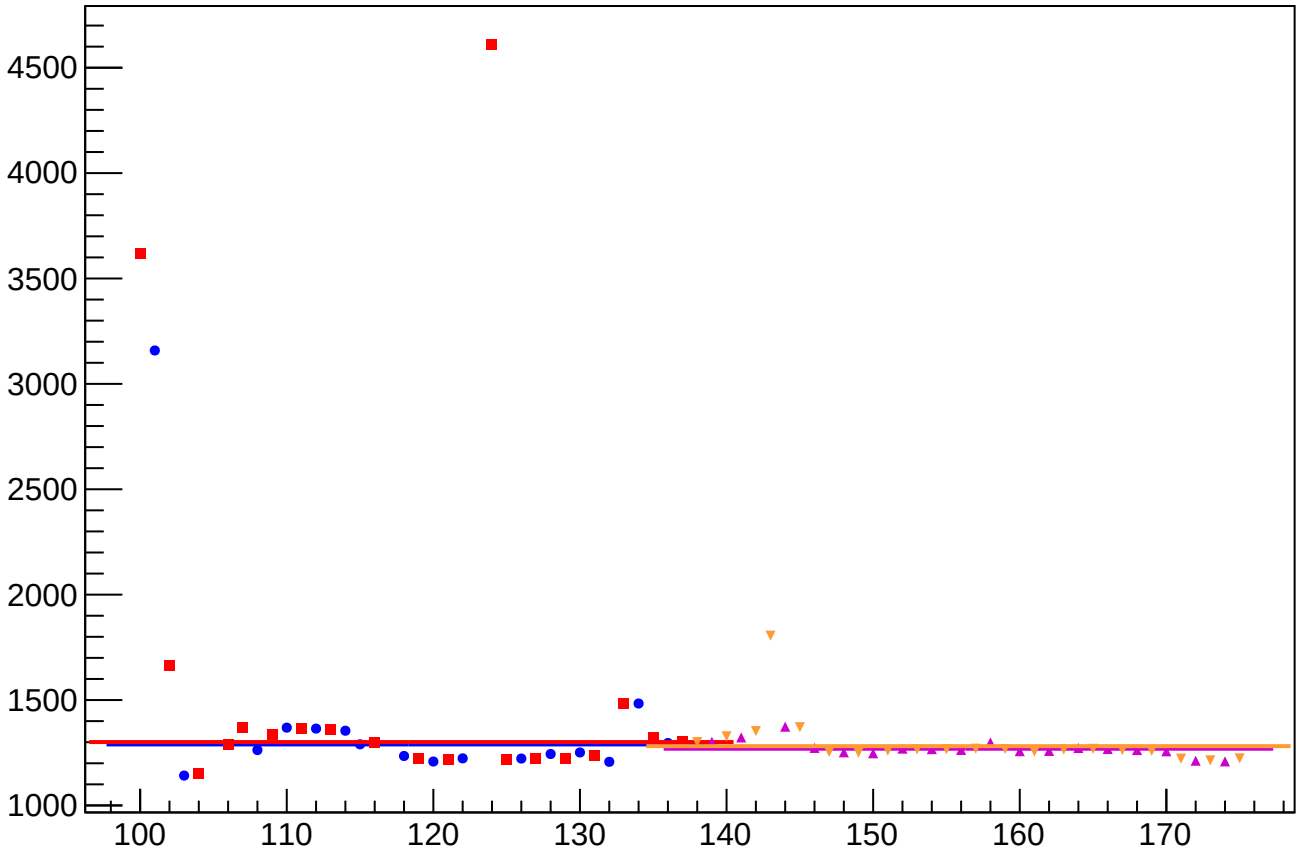
Left: 75.219+/-230.304 χ^2/NDF: 56.4/37

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -50.965+/-191.604 χ^2/NDF: 88.3/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

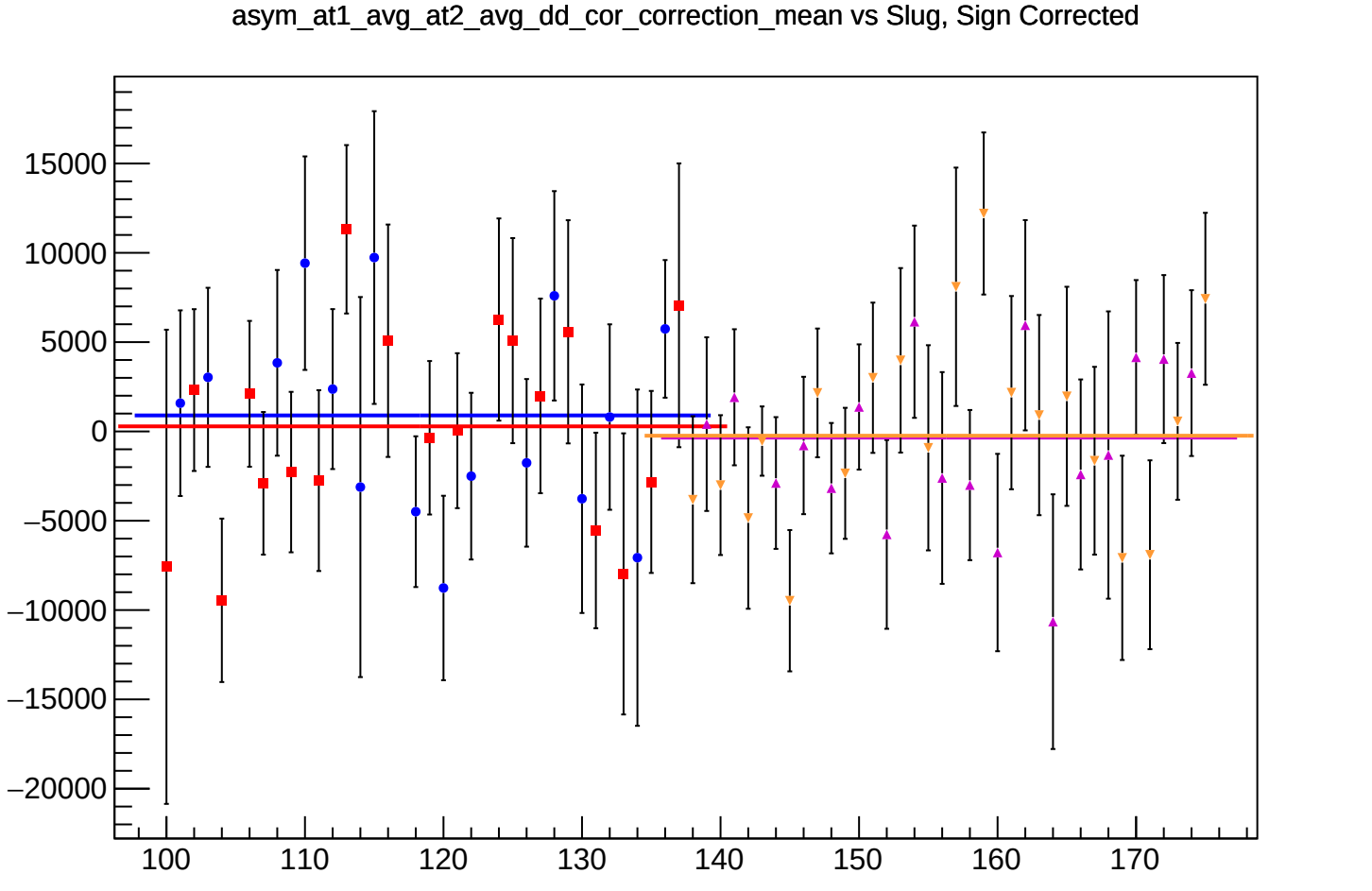
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

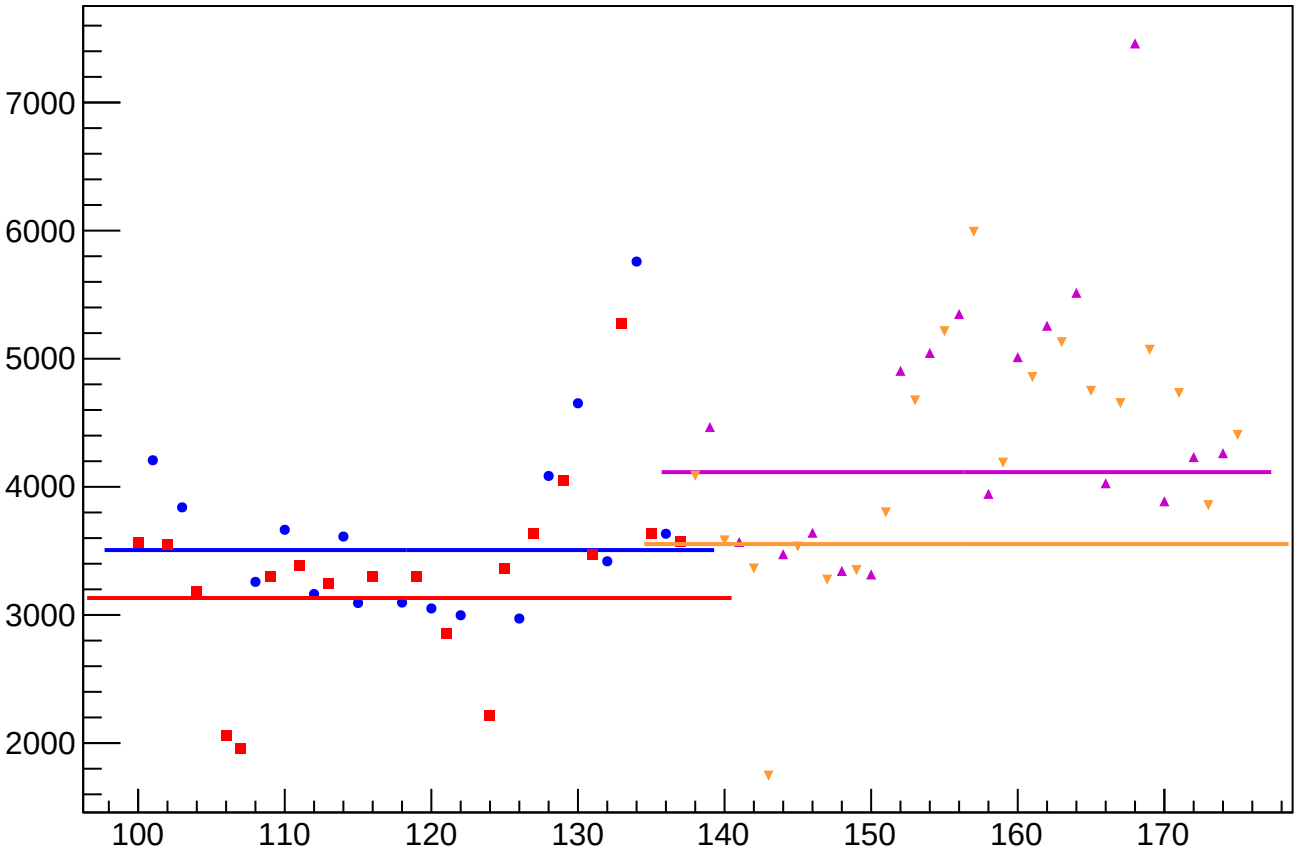
Left: -285.432+/-714.665 χ^2/NDF: 36.6/37

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 47.655+/-555.383 χ^2/NDF: 70.0/72



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

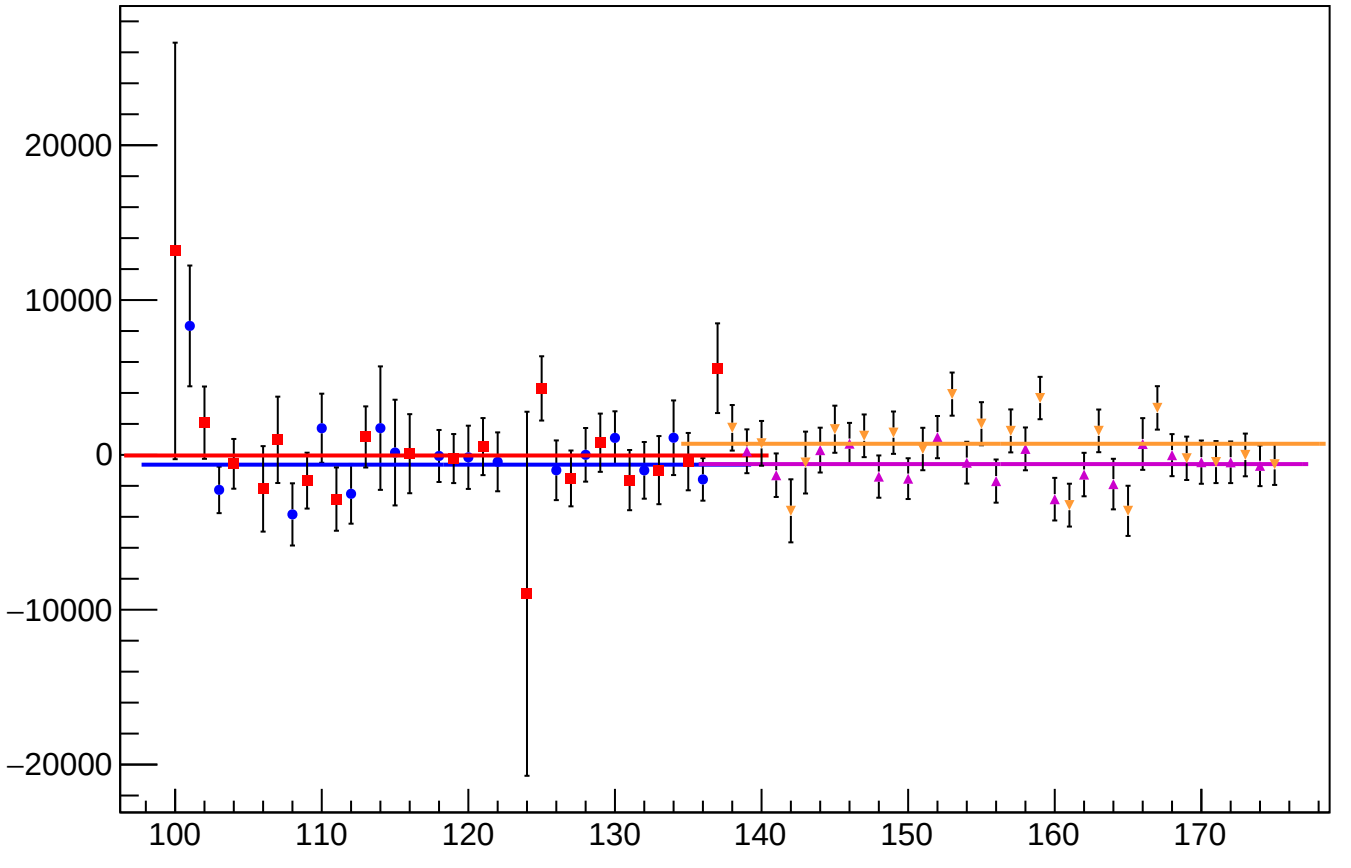
Left: 3794.721+/-0.505 χ^2/NDF: 4501570.2/37

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

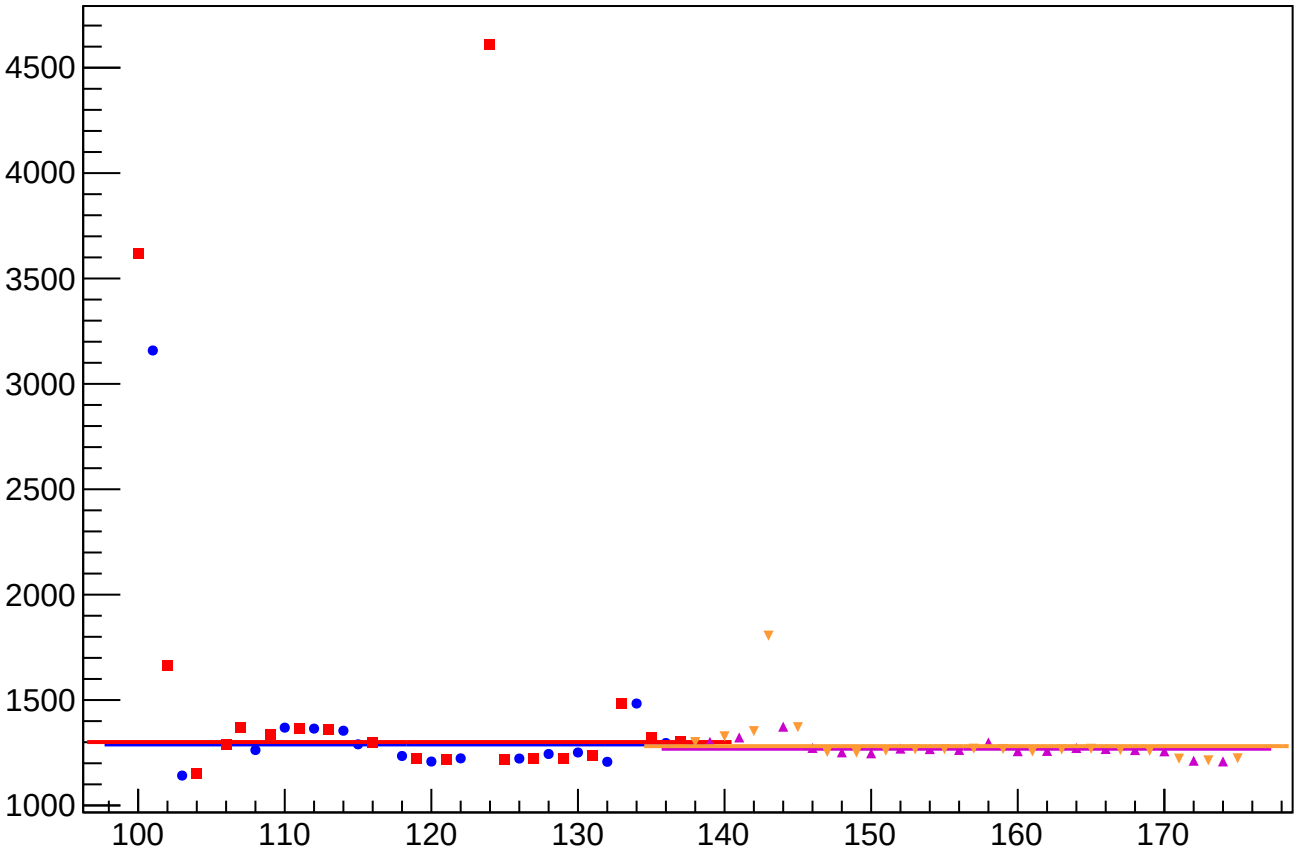
Left: 75.219+/-230.304 χ^2/NDF: 56.4/37

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -50.965+/-191.604 χ^2/NDF: 88.3/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

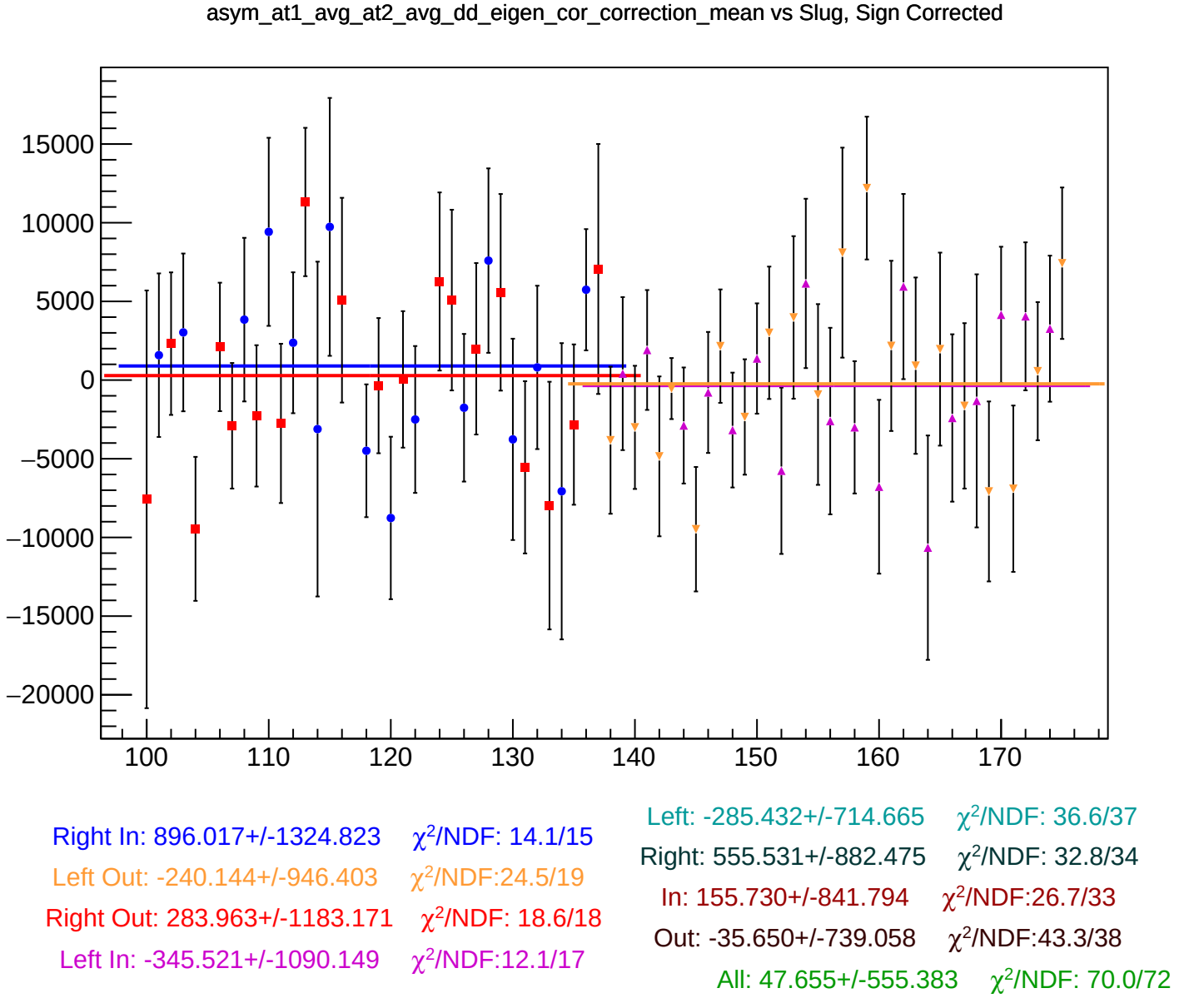
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

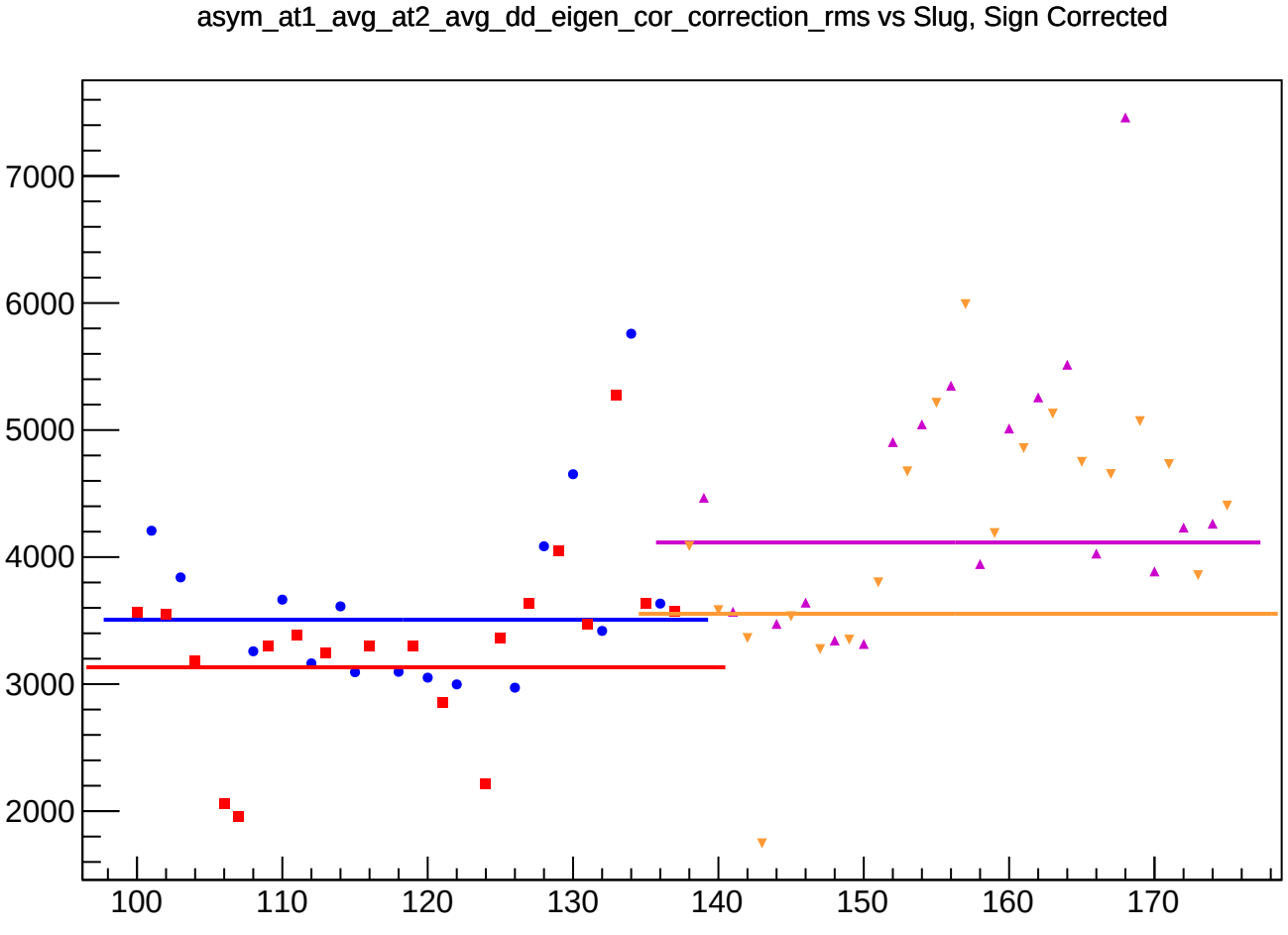
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -240.144+/-946.403 χ²/NDF:24.5/19
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -345.521+/-1090.149 χ²/NDF:12.1/17
Left: -285.432+/-714.665 χ²/NDF: 36.6/37
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 155.730+/-841.794 χ²/NDF:26.7/33
Out: -35.650+/-739.058 χ²/NDF:43.3/38
All: 47.655+/-555.383 χ²/NDF: 70.0/72



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

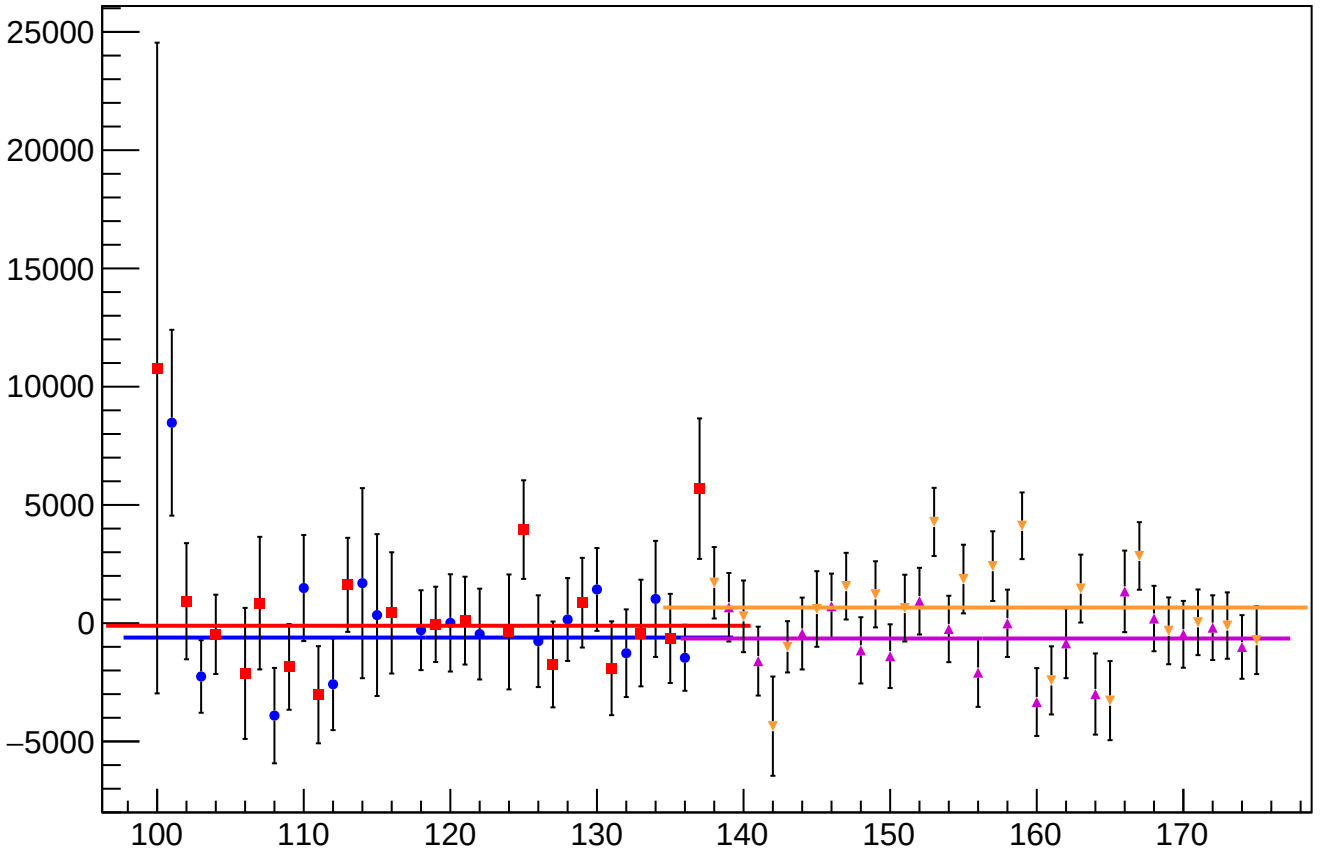
Left: 3794.721+/-0.505 χ^2/NDF: 4501570.2/37

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -647.406+/-339.439 χ^2/NDF:12.5/17

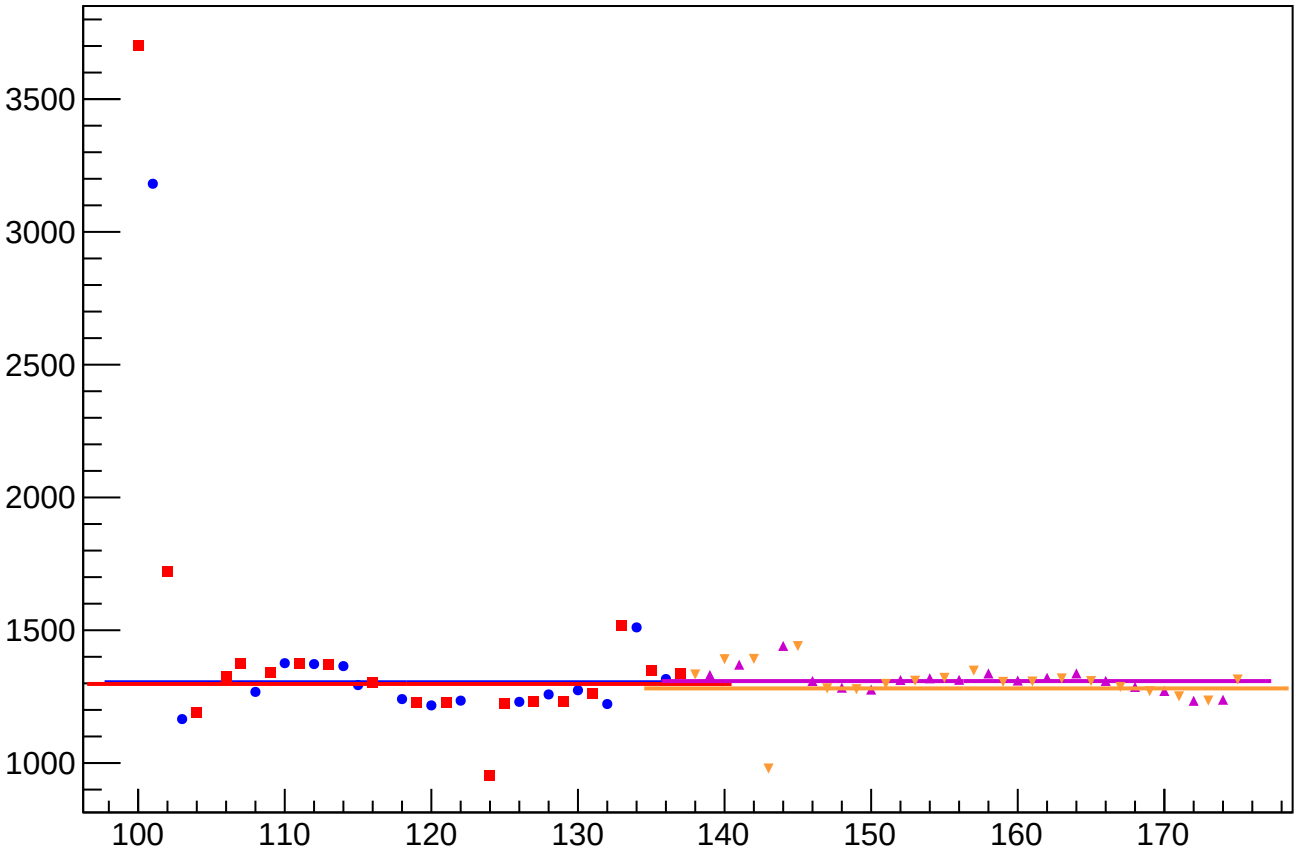
Left: 40.283+/-233.837 χ^2/NDF: 58.6/37

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -634.720+/-279.794 χ^2/NDF:26.6/33

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -83.115+/-193.802 χ^2/NDF: 89.0/72



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

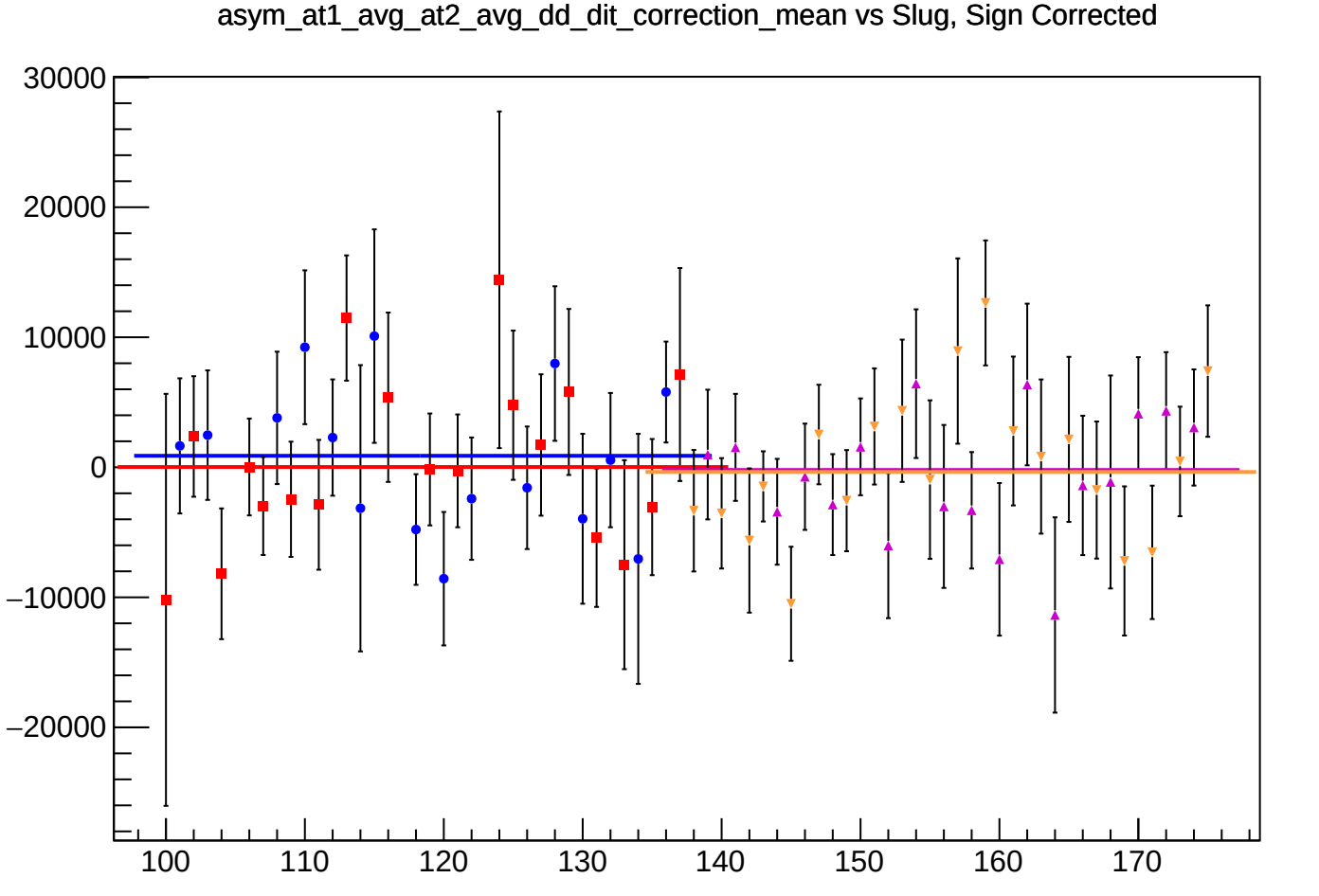
Left: 1294.077+/-0.165 χ^2/NDF: 250423.2/37

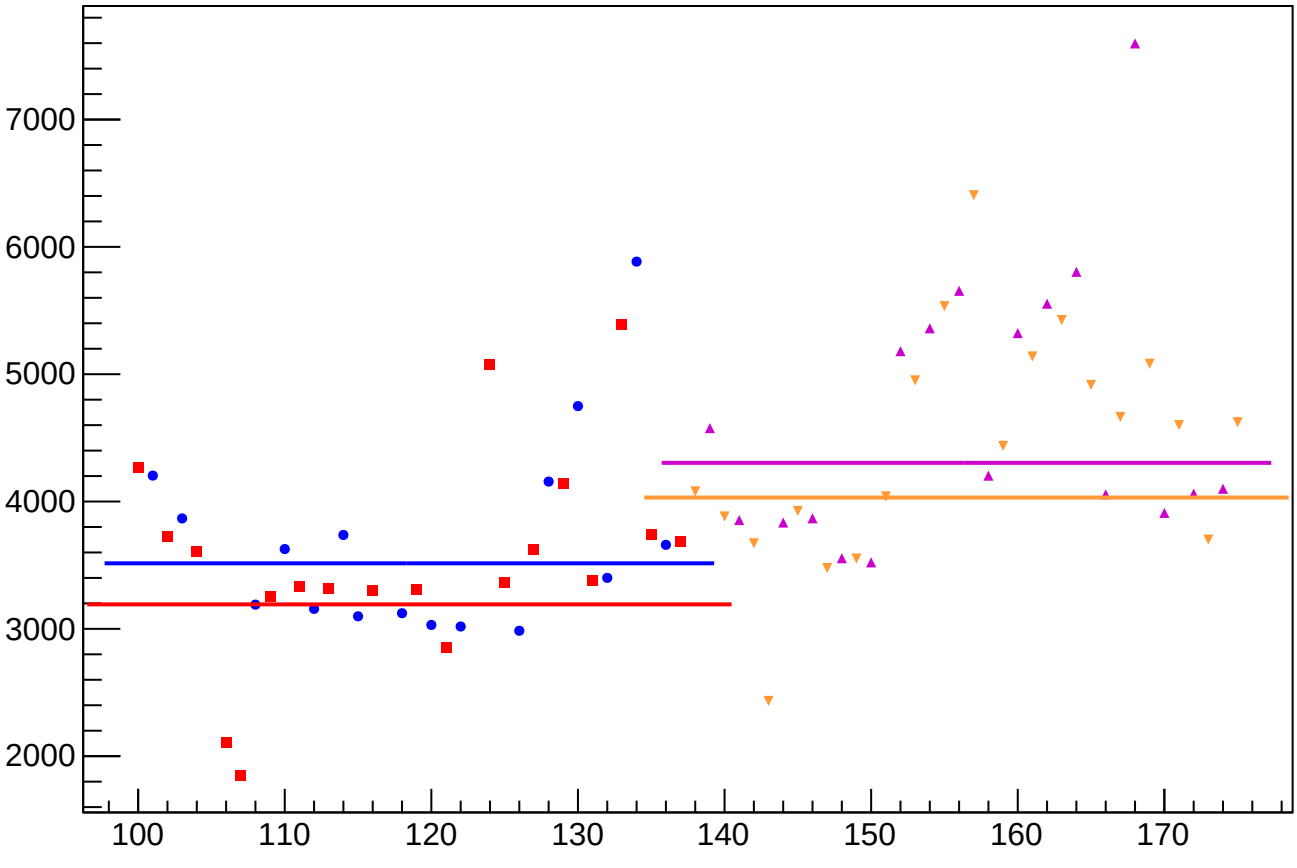
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.147+/-0.198 χ^2/NDF:546670.8/33

Out: 1286.131+/-0.190 χ^2/NDF:422265.2/38

All: 1296.212+/-0.137 χ^2/NDF: 974807.4/72


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -361.243+/-1045.588 χ²/NDF:24.5/19
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -206.543+/-1139.188 χ²/NDF:12.0/17
Left: -290.509+/-770.310 χ²/NDF: 36.5/37
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 256.021+/-864.480 χ²/NDF:26.5/33
Out: -196.422+/-788.324 χ²/NDF:41.4/38
All: 8.997+/-582.496 χ²/NDF: 68.0/72



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

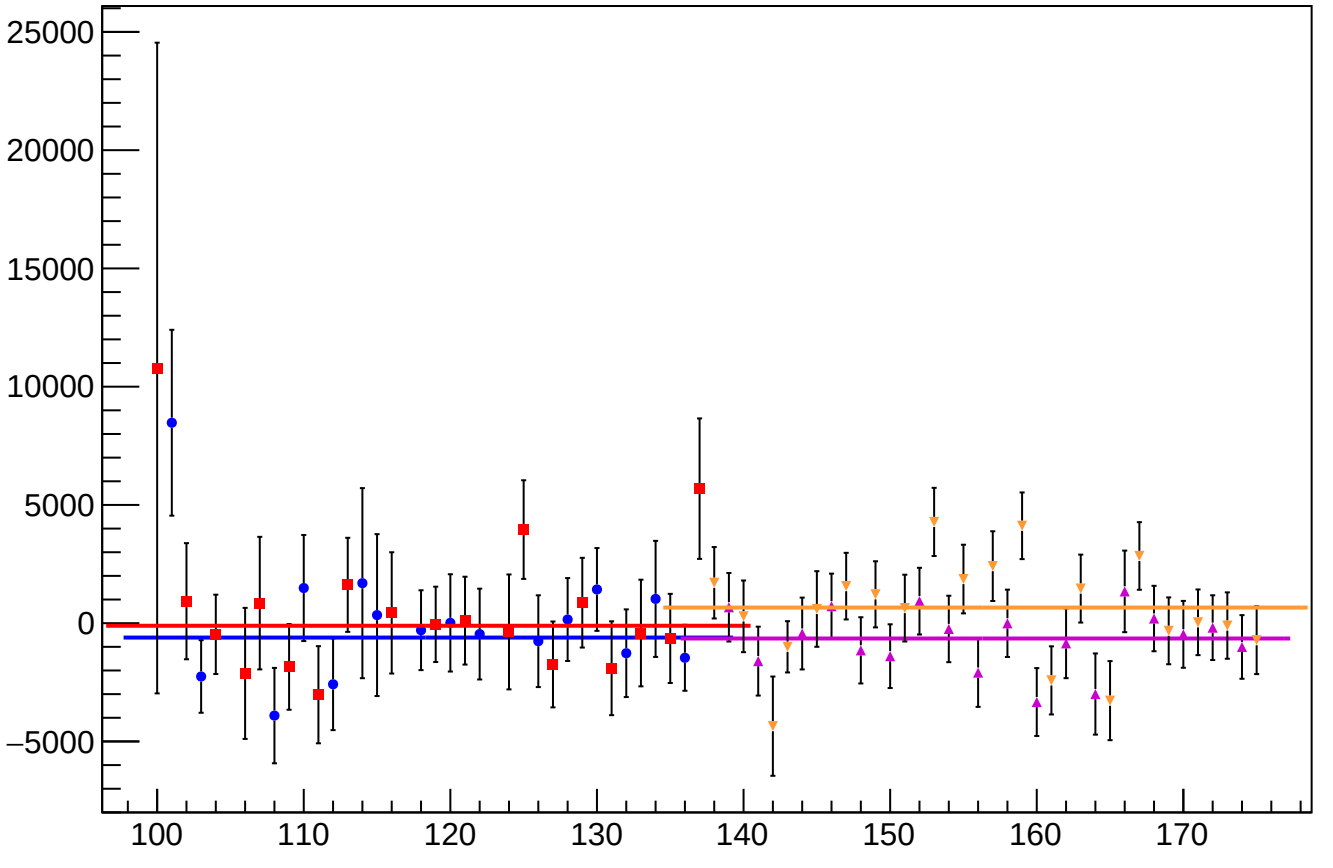
Left: 4156.000+/-0.545 χ^2/NDF: 2675433.6/37

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3969.166+/-0.611 χ^2/NDF:1810578.4/33

Out: 3669.264+/-0.557 χ^2/NDF:2913433.9/38

All: 3805.426+/-0.412 χ^2/NDF: 4855430.0/72



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -647.407+/-339.439 χ^2/NDF:12.5/17

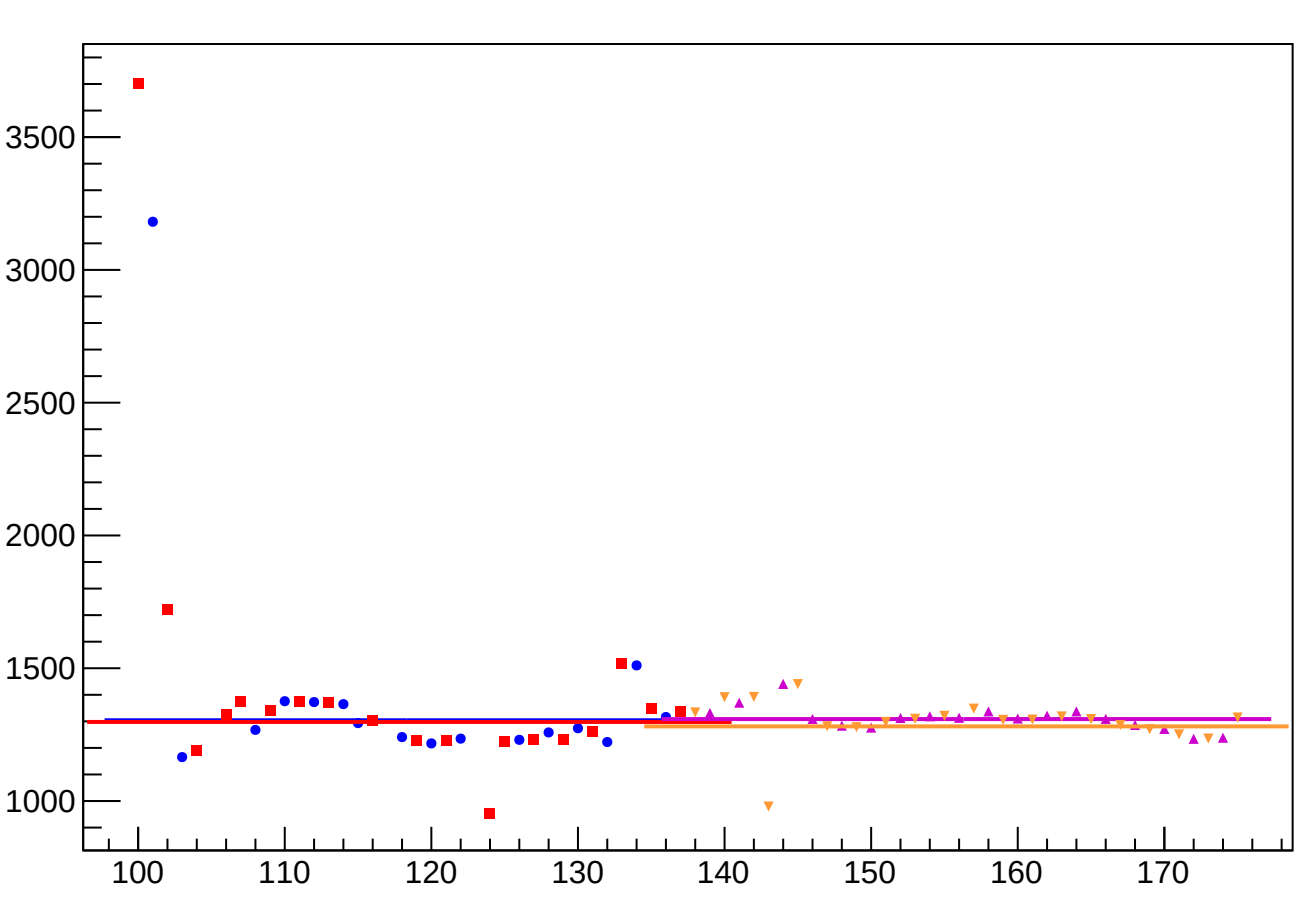
Left: 40.284+/-233.838 χ^2/NDF: 58.6/37

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -634.721+/-279.794 χ^2/NDF:26.6/33

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -83.115+/-193.802 χ^2/NDF: 89.0/72



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

Left: 1294.078+/-0.165 χ^2/NDF: 250425.5/37

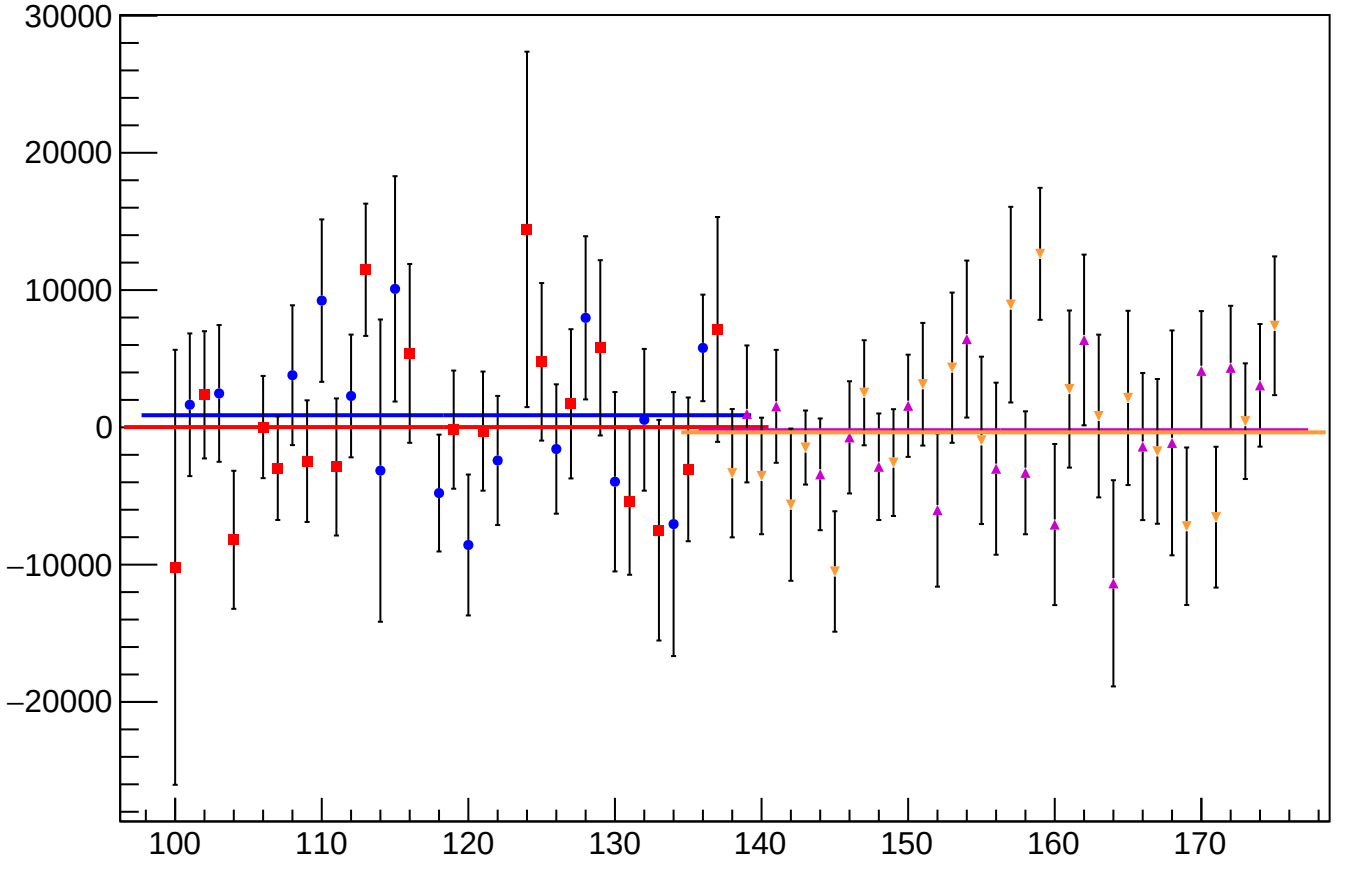
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.148+/-0.198 χ^2/NDF:546672.1/33

Out: 1286.132+/-0.190 χ^2/NDF:422266.4/38

All: 1296.212+/-0.137 χ^2/NDF: 974809.8/72

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -206.542+/-1139.189 χ^2/NDF:12.0/17

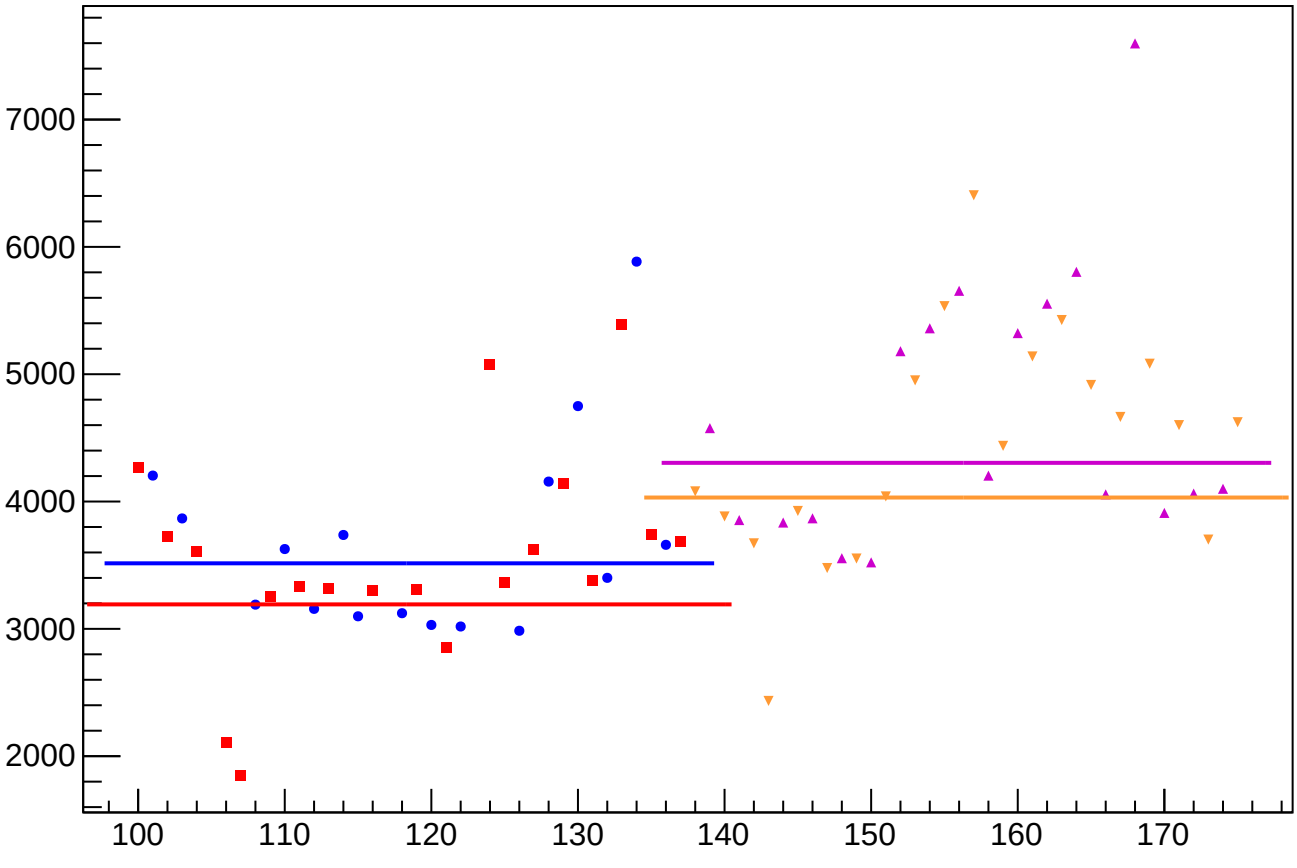
Left: -290.507+/-770.312 χ^2/NDF: 36.5/37

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 256.019+/-864.479 χ^2/NDF:26.5/33

Out: -196.421+/-788.324 χ^2/NDF:41.4/38

All: 8.996+/-582.496 χ^2/NDF: 68.0/72



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

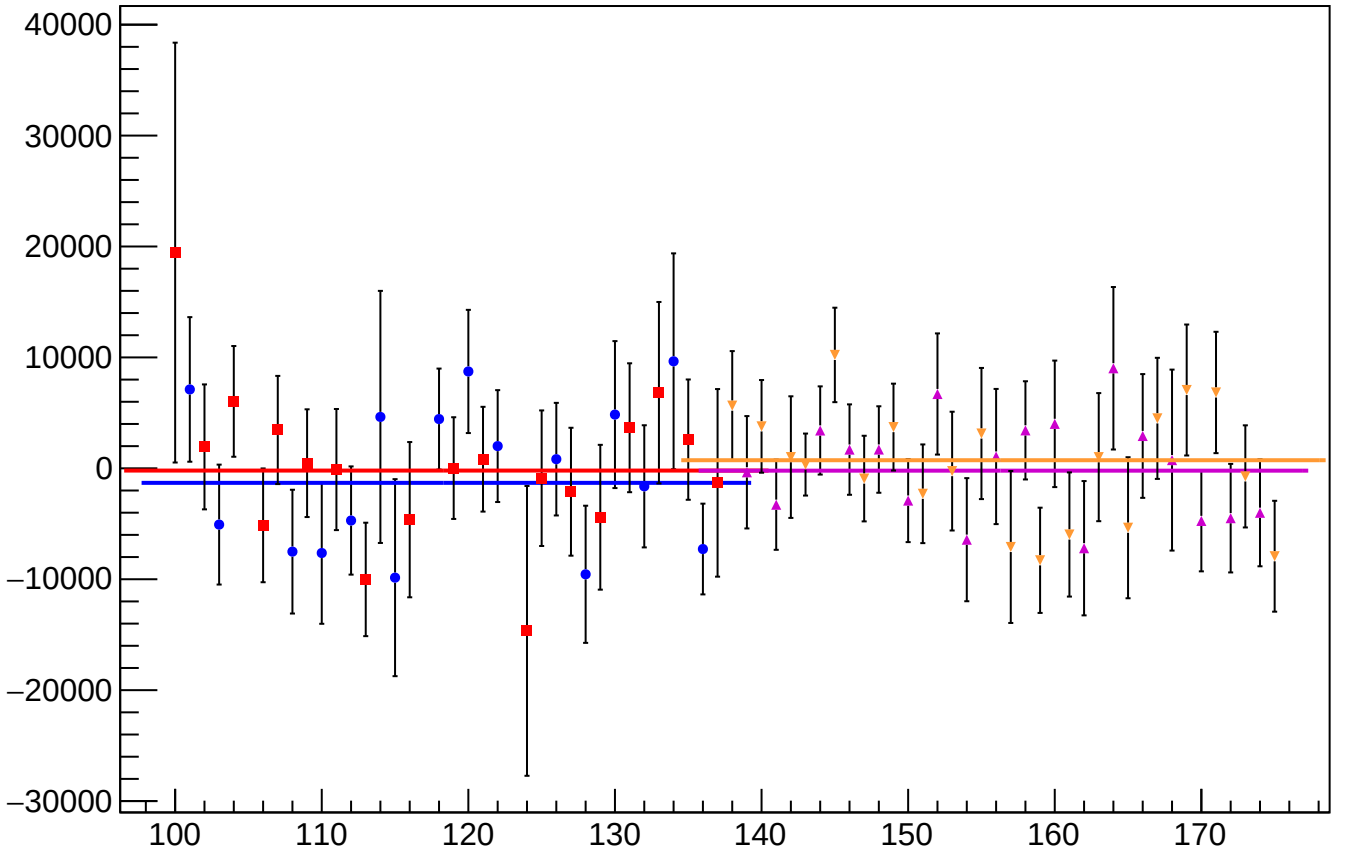
Left: 4156.006+/-0.545 χ^2/NDF: 2675436.5/37

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3969.164+/-0.611 χ^2/NDF:1810601.1/33

Out: 3669.263+/-0.557 χ^2/NDF:2913456.8/38

All: 3805.424+/-0.412 χ^2/NDF: 4855475.3/72



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -210.269+/-1146.548 χ^2/NDF:12.1/17

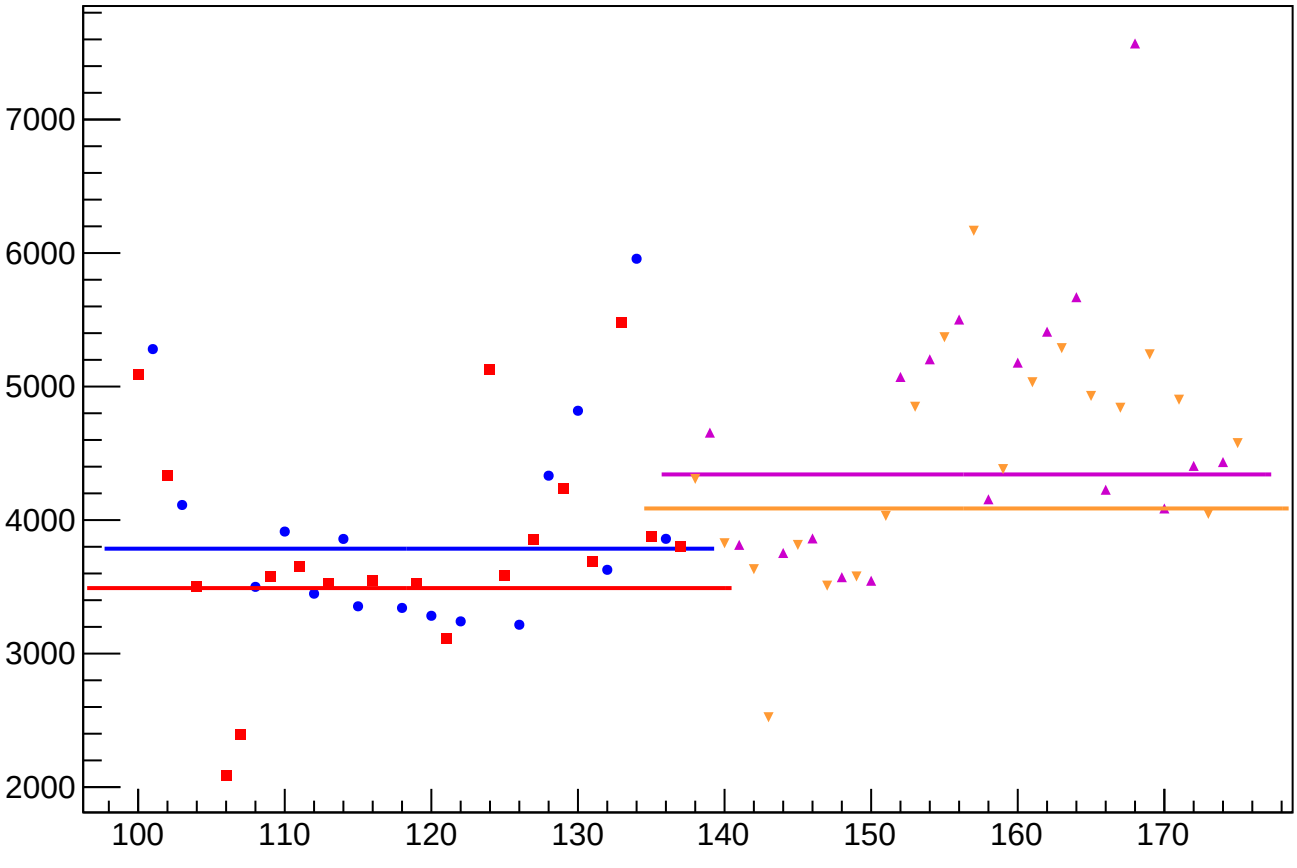
Left: 298.824+/-776.774 χ^2/NDF: 33.7/37

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -639.748+/-894.923 χ^2/NDF:30.1/33

Out: 372.224+/-828.503 χ^2/NDF:33.1/38

All: -94.819+/-607.967 χ^2/NDF: 63.9/72



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

Left: 4203.961+/-0.549 χ^2/NDF: 2409477.7/37

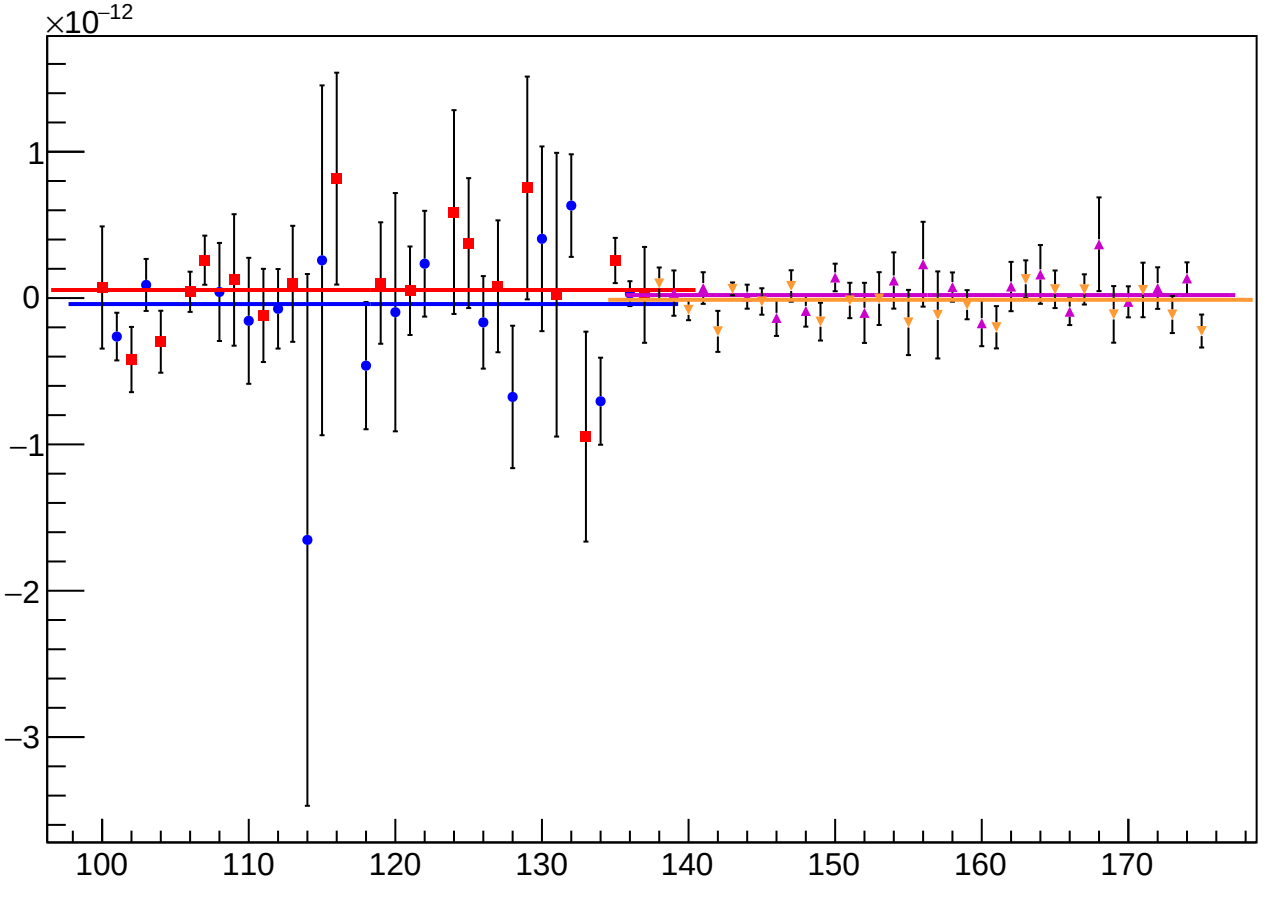
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4124.557+/-0.633 χ^2/NDF:1500307.3/33

Out: 3853.764+/-0.583 χ^2/NDF:2258643.6/38

All: 3978.024+/-0.429 χ^2/NDF: 3858041.8/72

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/17

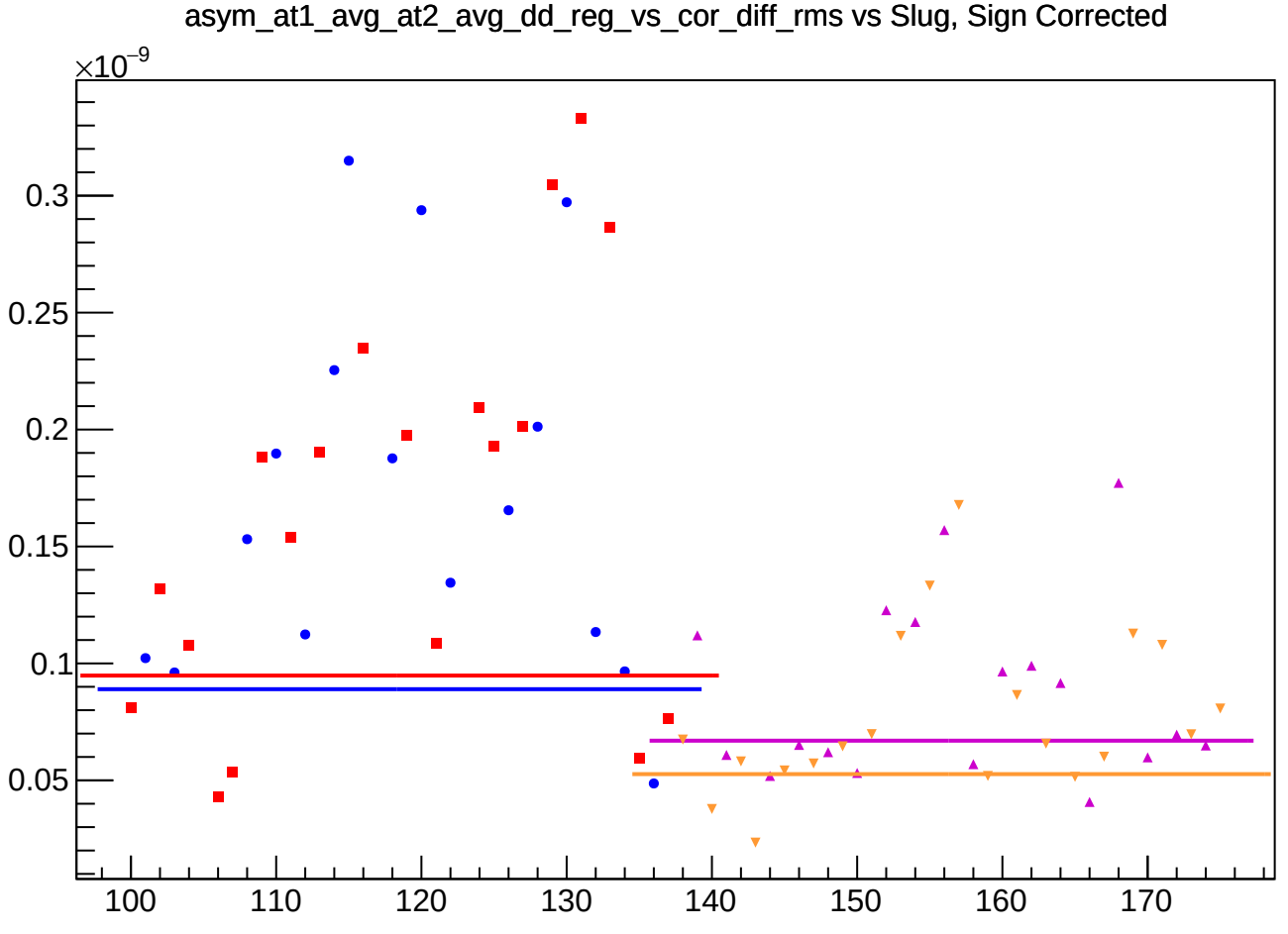
Left: 0.000+/-0.000 χ^2/NDF: 31.2/37

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/33

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 65.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4186061.2/37

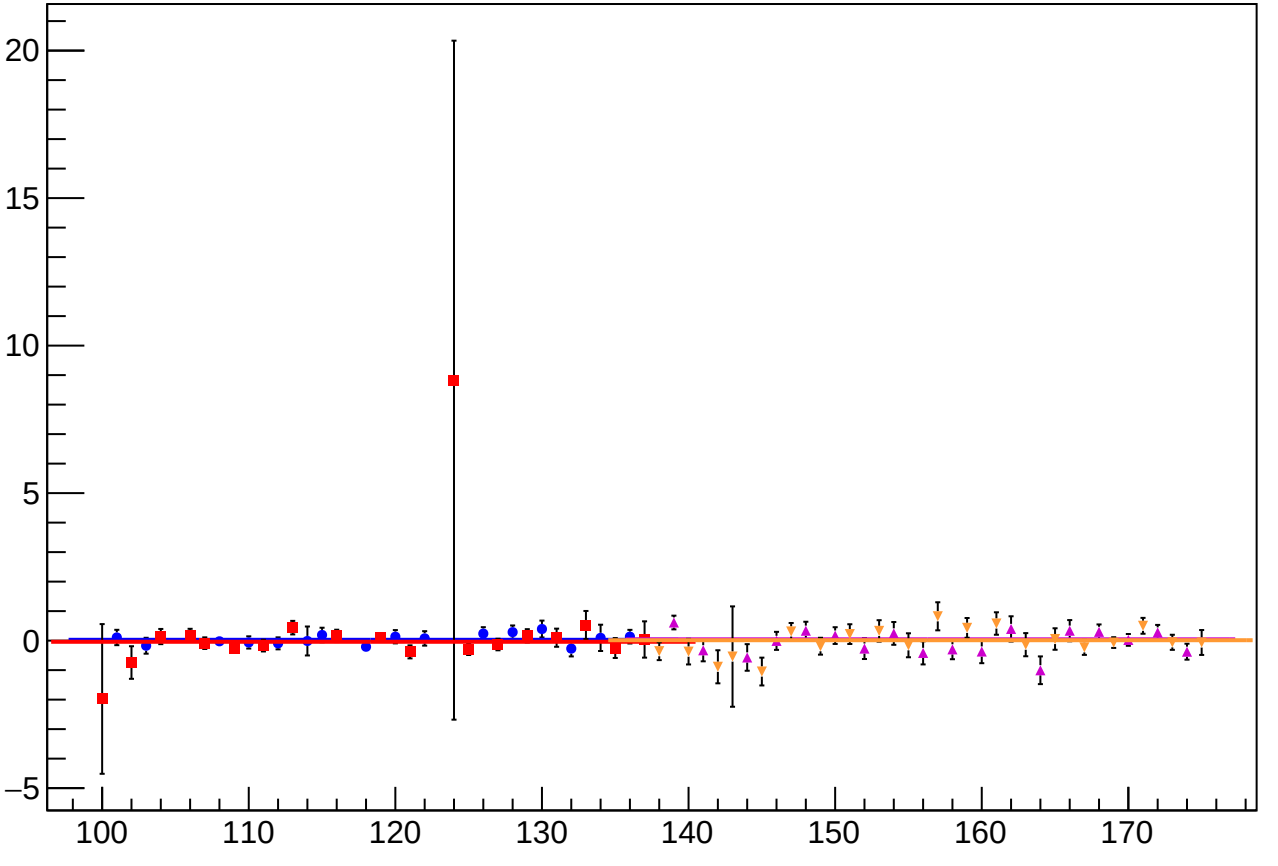
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3059842.5/33

Out: 0.000+/-0.000 χ^2/NDF:5021382.3/38

All: 0.000+/-0.000 χ^2/NDF: 8397999.2/72

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

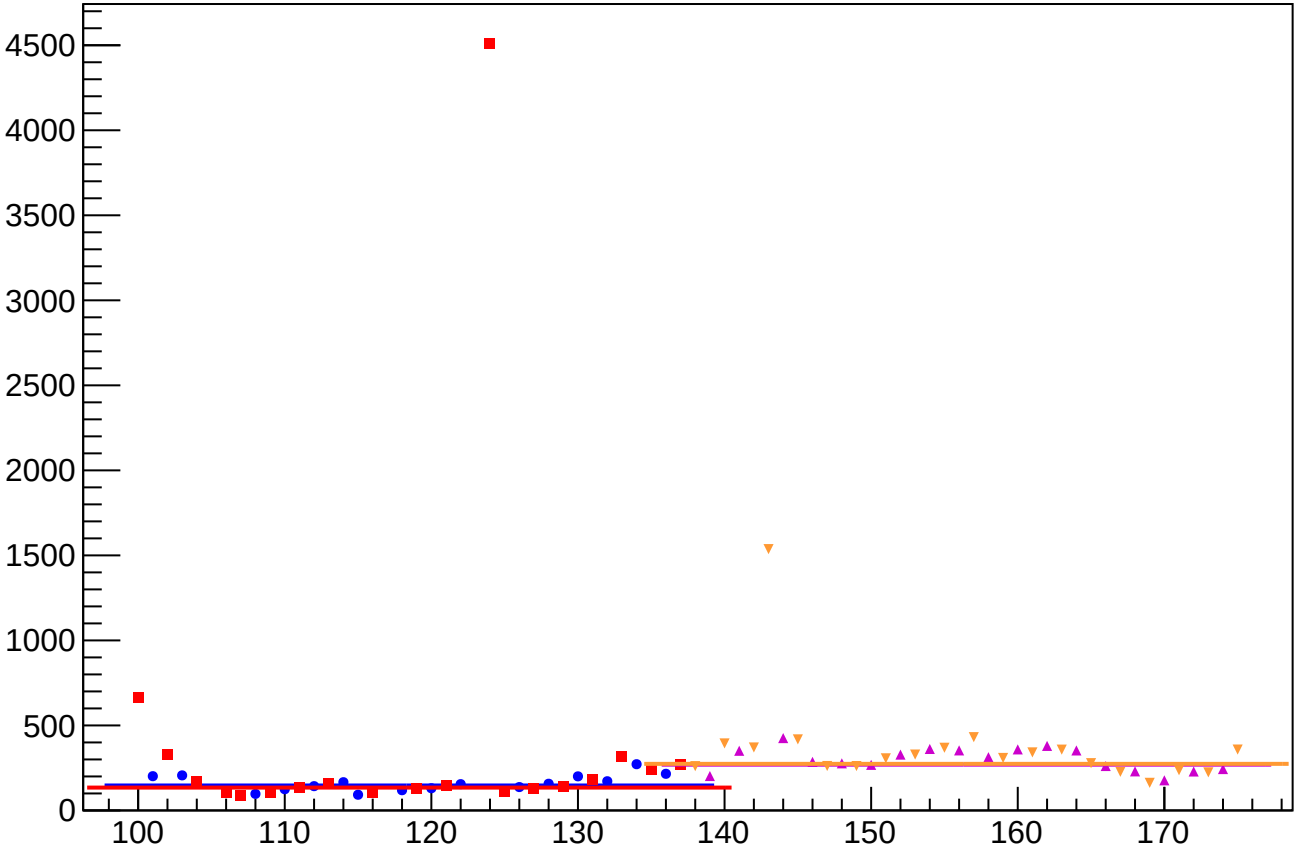
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 271.621+/-0.037 χ^2/NDF: 4743543.0/37

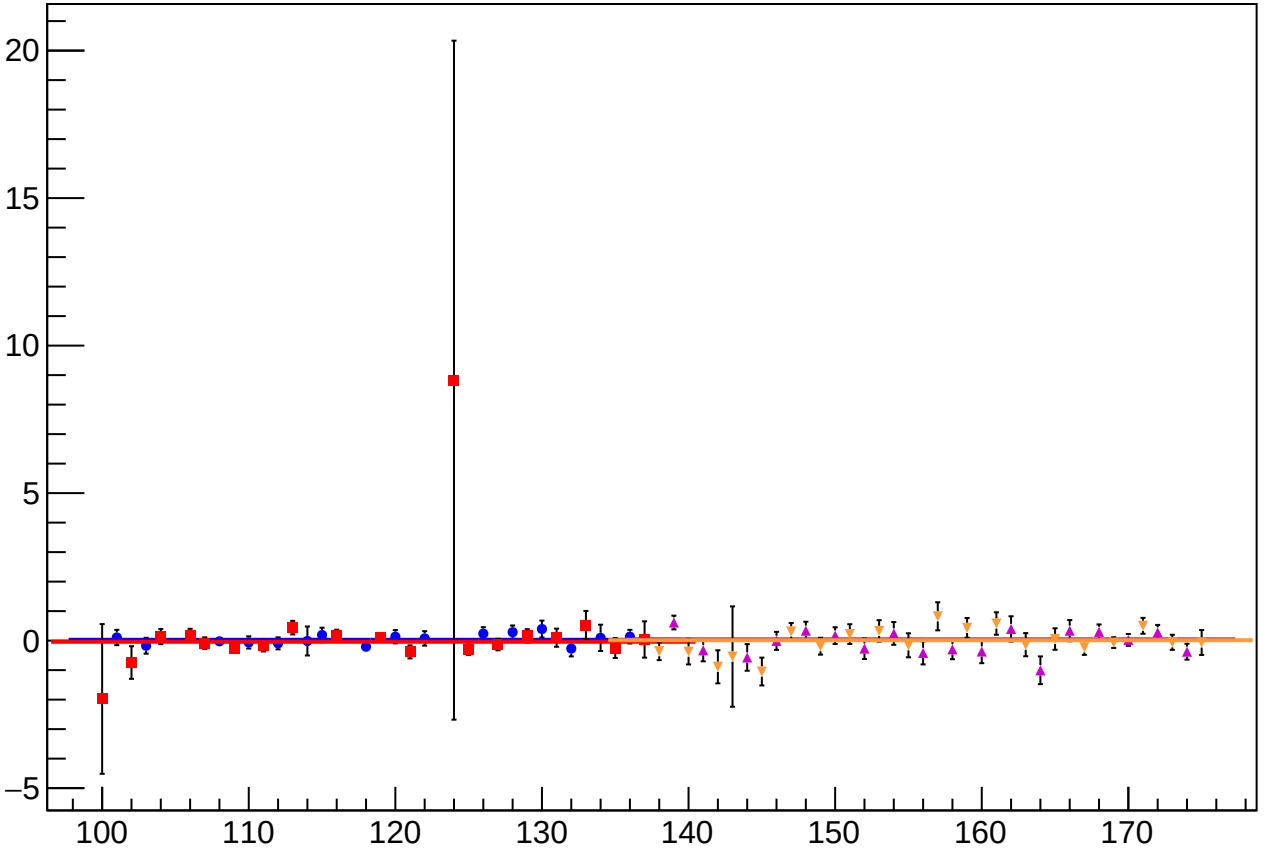
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

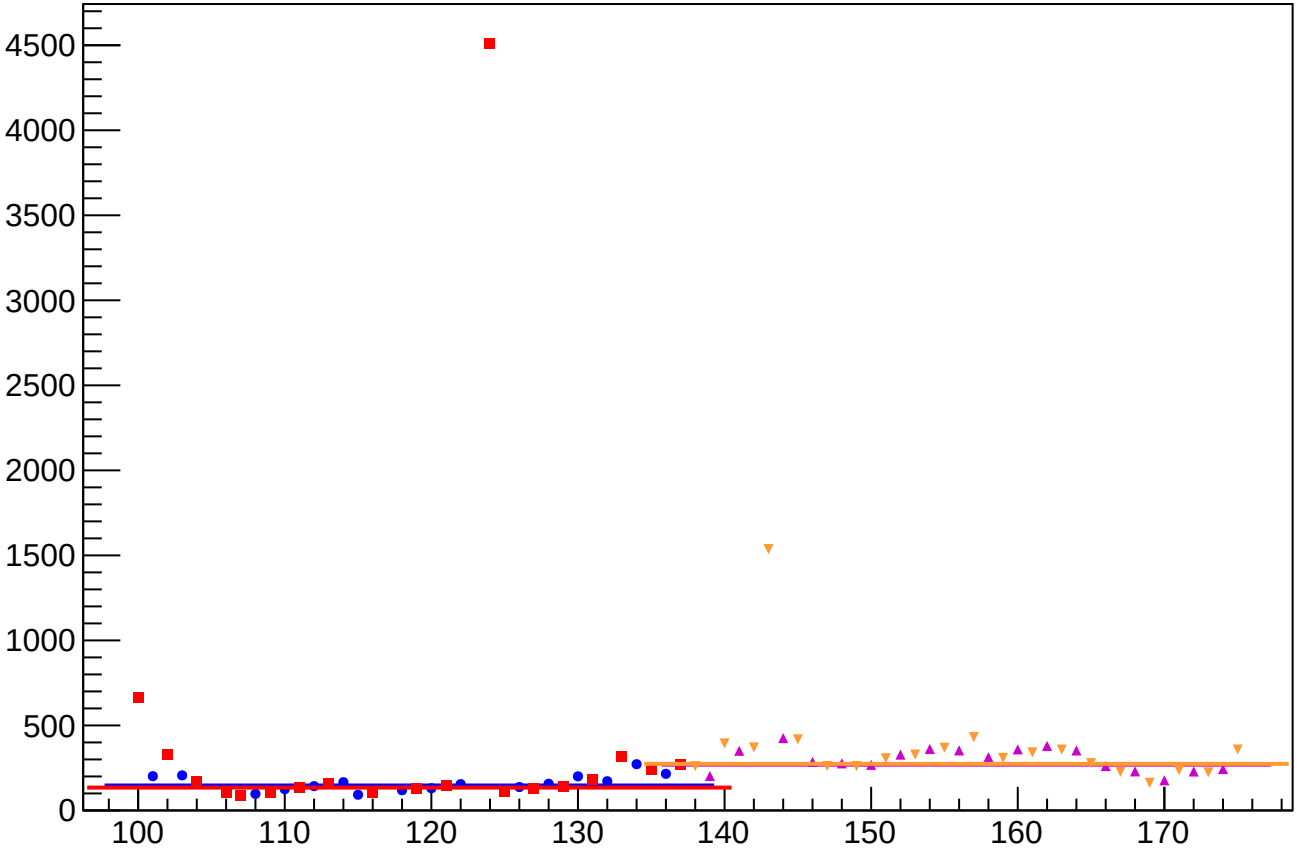
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

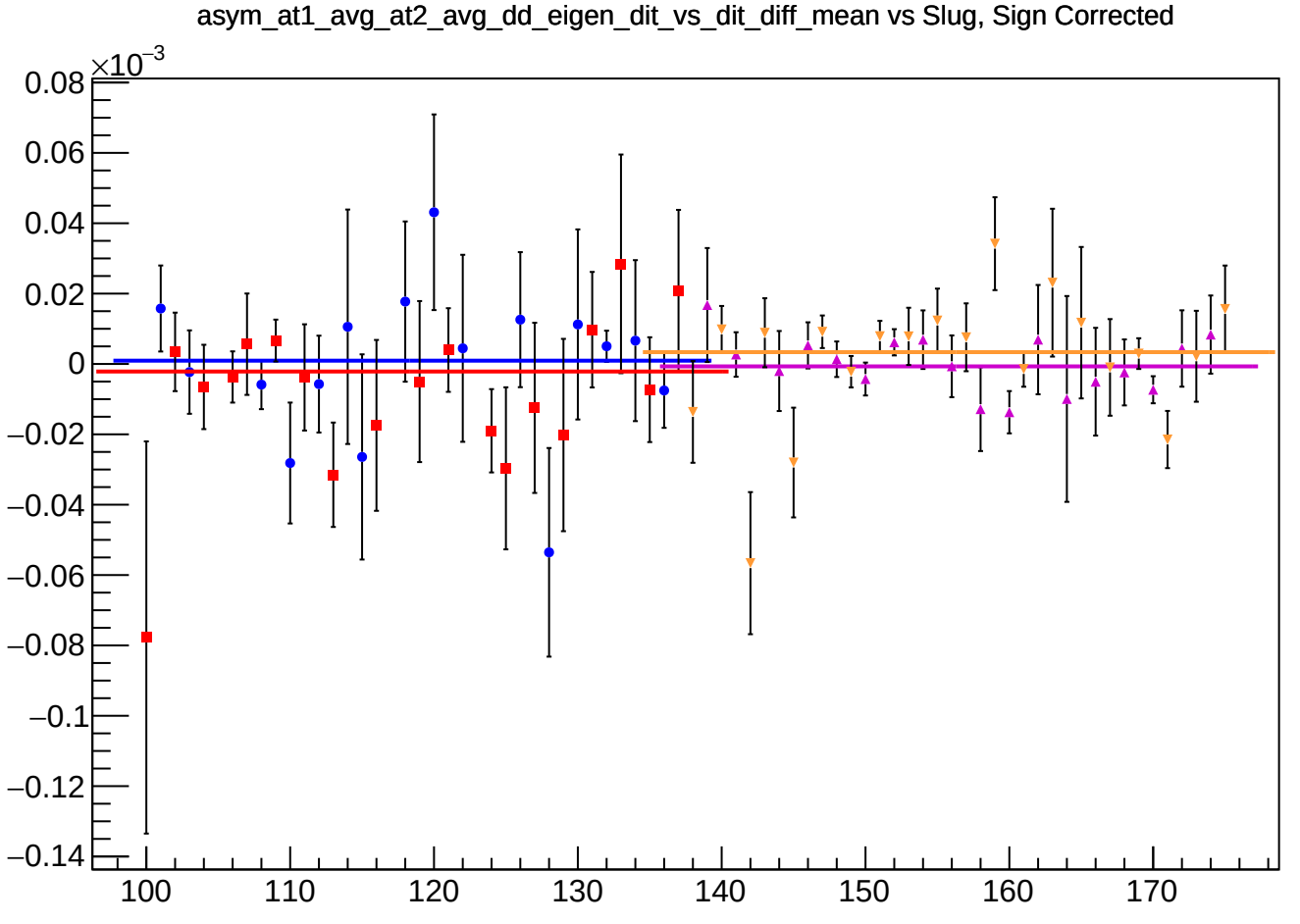
Left: 271.621+/-0.037 χ^2/NDF: 4743543.0/37

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

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

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

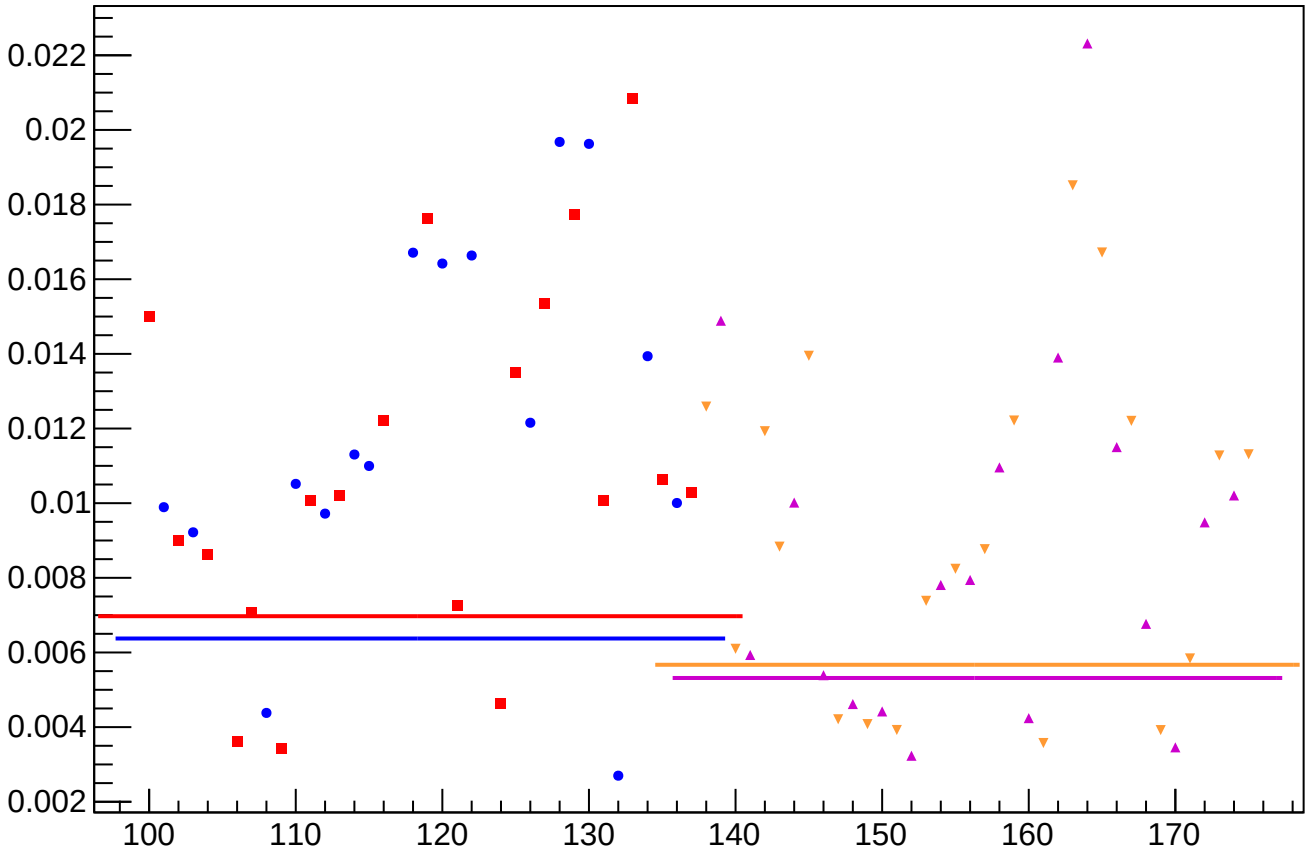
Left: 0.000+/-0.000 χ^2/NDF: 59.4/37

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.4/33

Out: 0.000+/-0.000 χ^2/NDF:57.6/38

All: 0.000+/-0.000 χ^2/NDF: 91.4/72



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

Left: 0.005+/-0.000 χ^2/NDF: 11860298.1/37

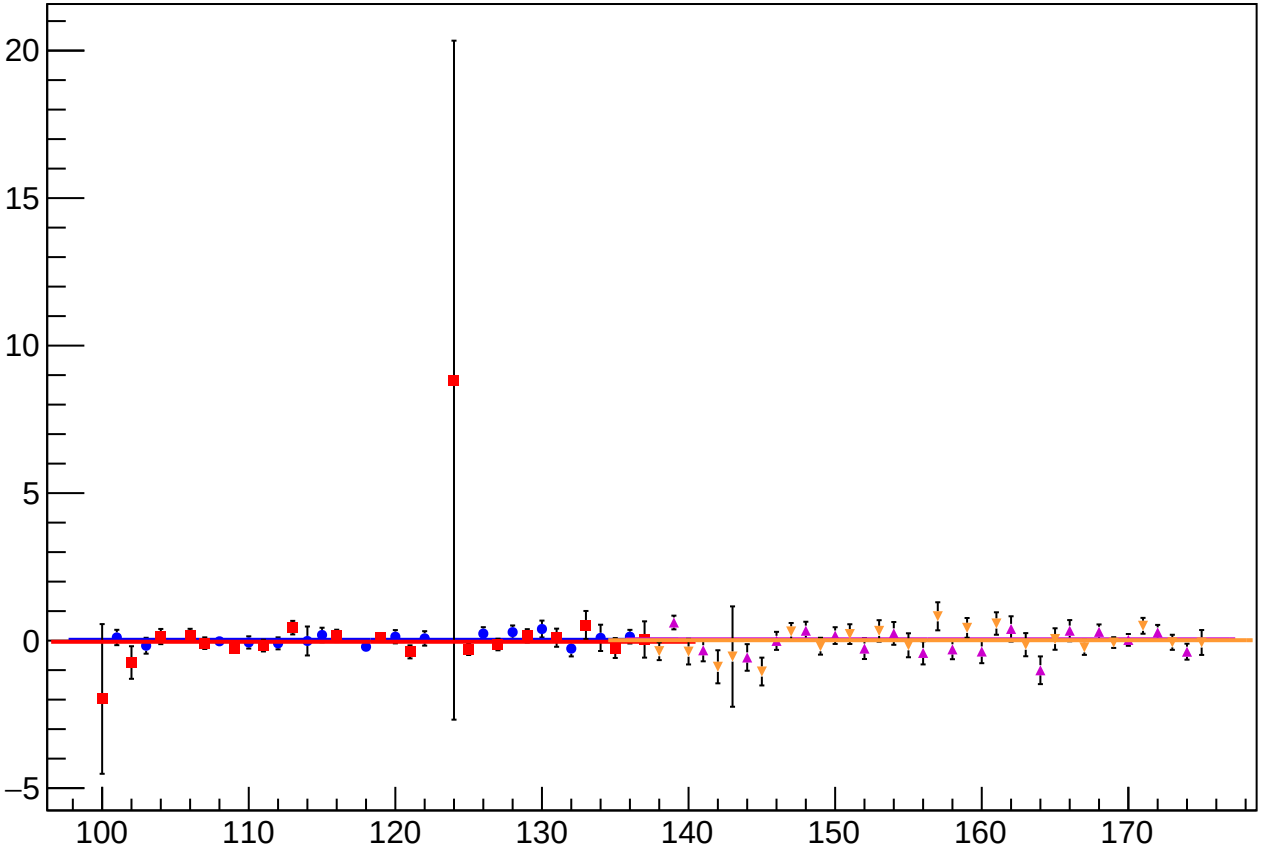
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10314569.2/33

Out: 0.006+/-0.000 χ^2/NDF:10035464.8/38

All: 0.006+/-0.000 χ^2/NDF: 20431261.5/72

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

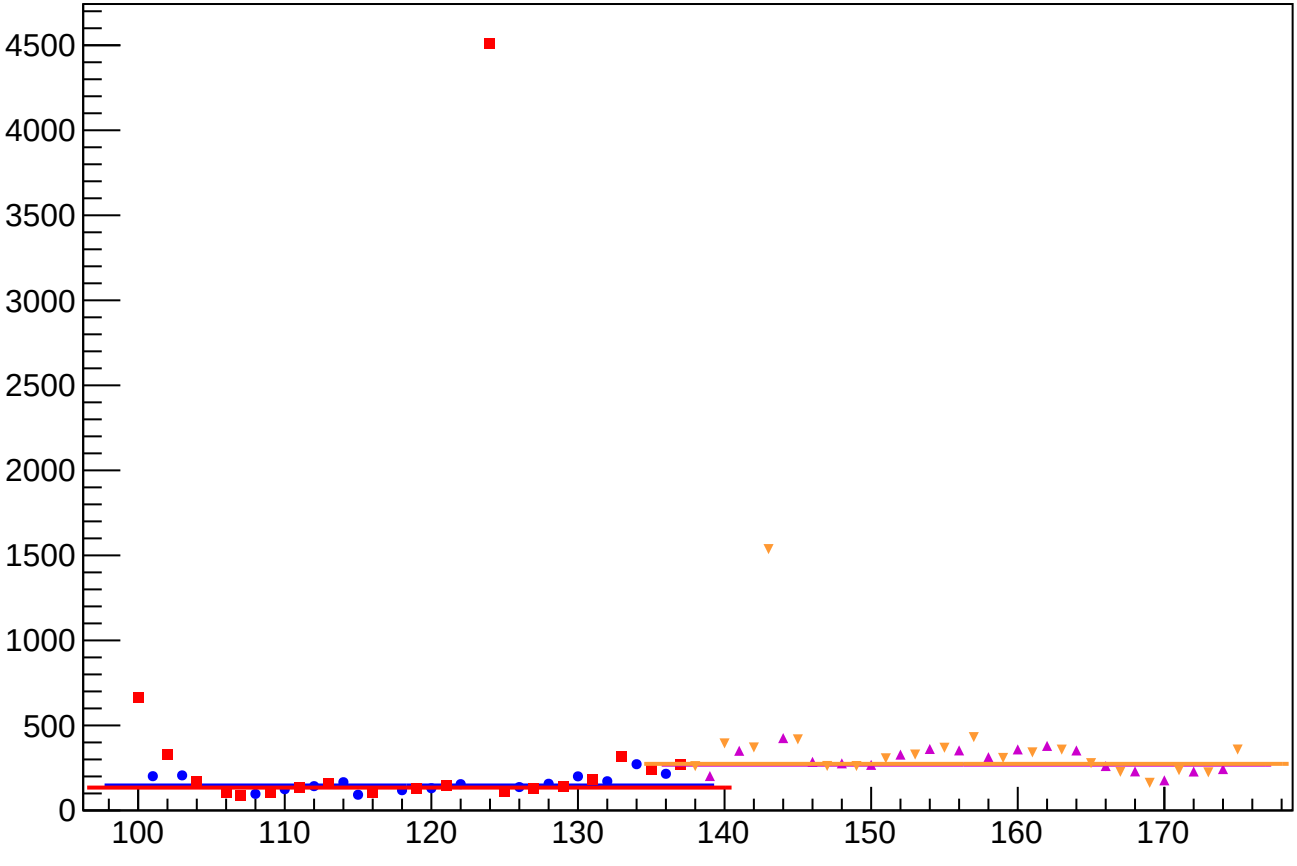
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

Left: 271.622+/-0.037 χ^2/NDF: 4743742.3/37

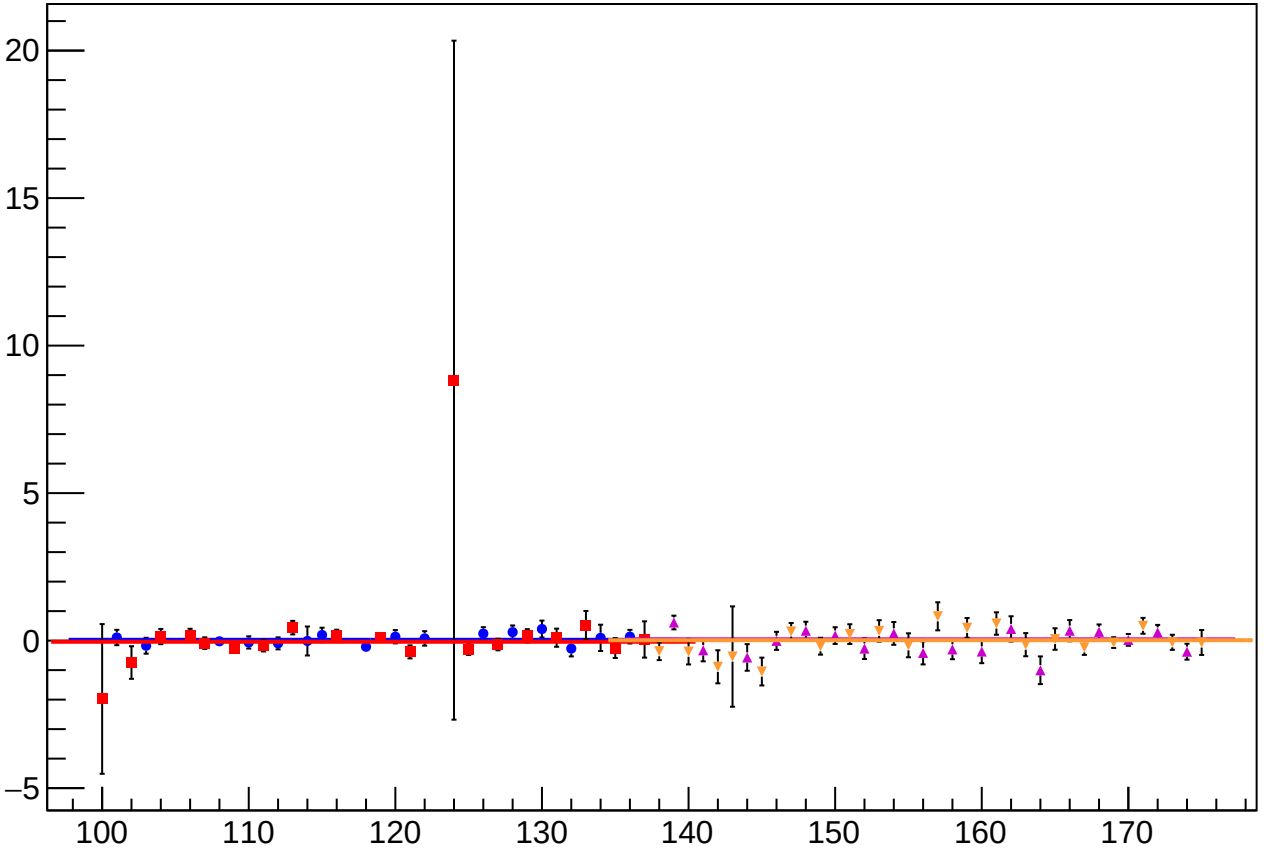
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

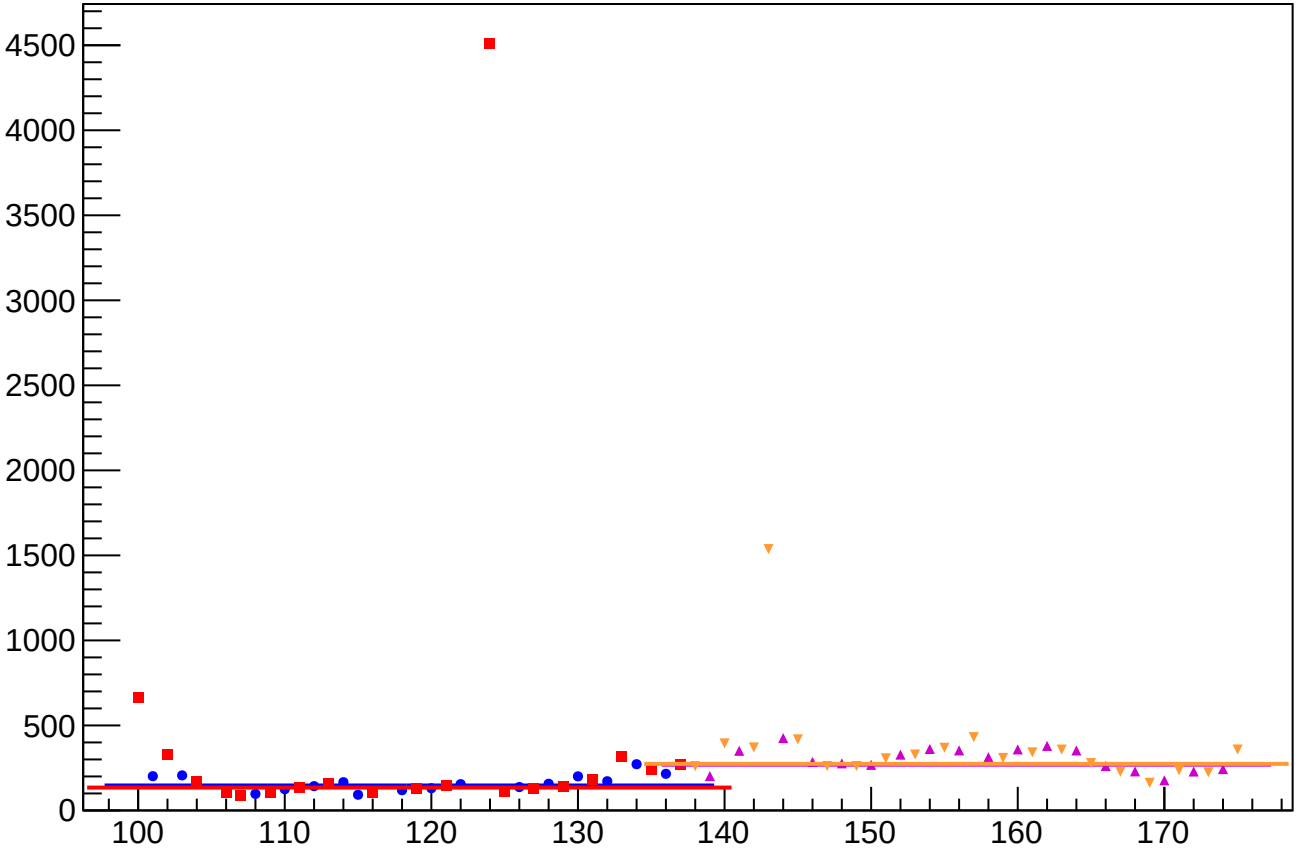
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

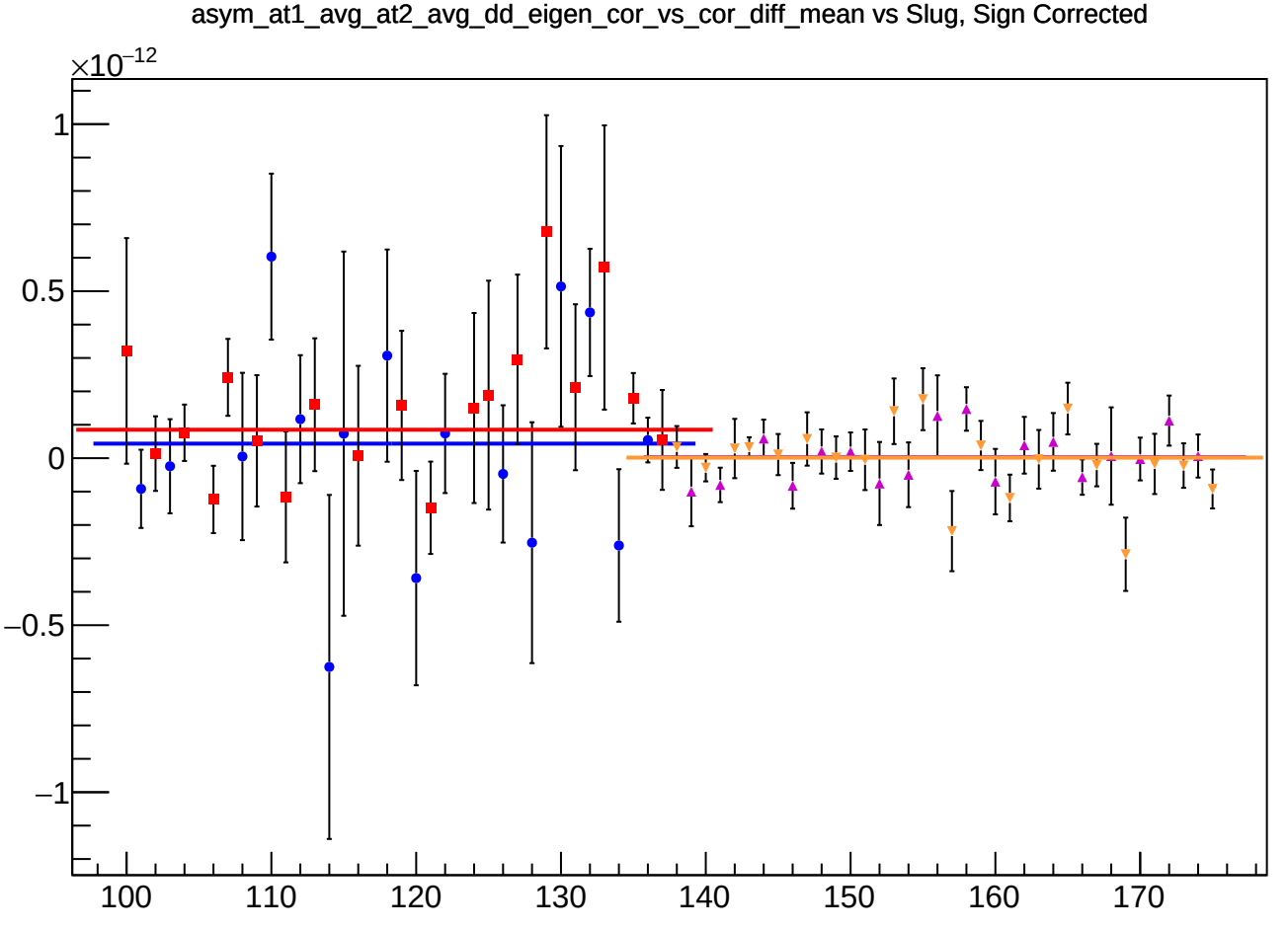
Left: 271.622+/-0.037 χ^2/NDF: 4743742.3/37

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

Left: 0.000+/-0.000 χ^2/NDF: 45.5/37

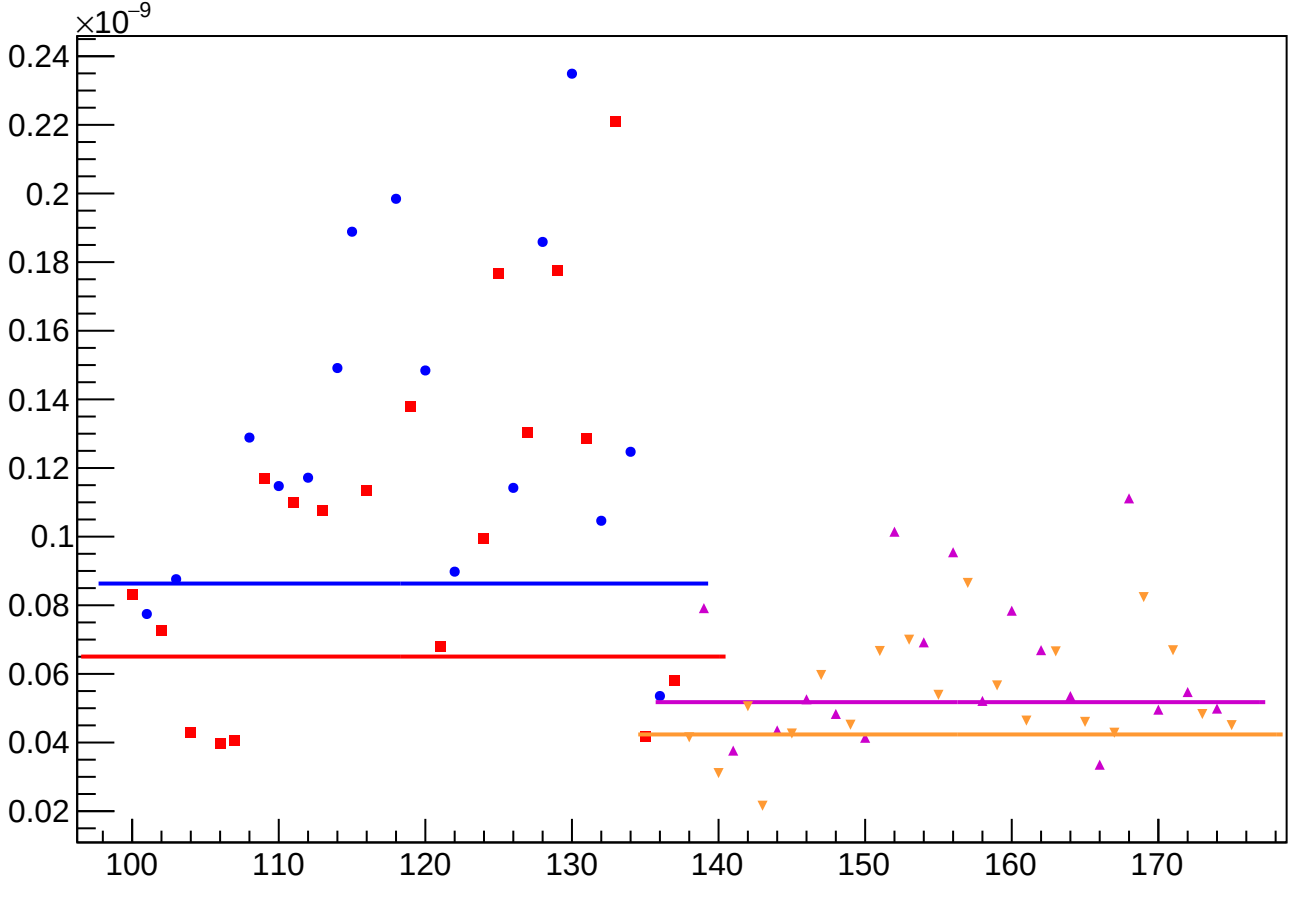
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/33

Out: 0.000+/-0.000 χ^2/NDF:51.4/38

All: 0.000+/-0.000 χ^2/NDF: 88.6/72

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

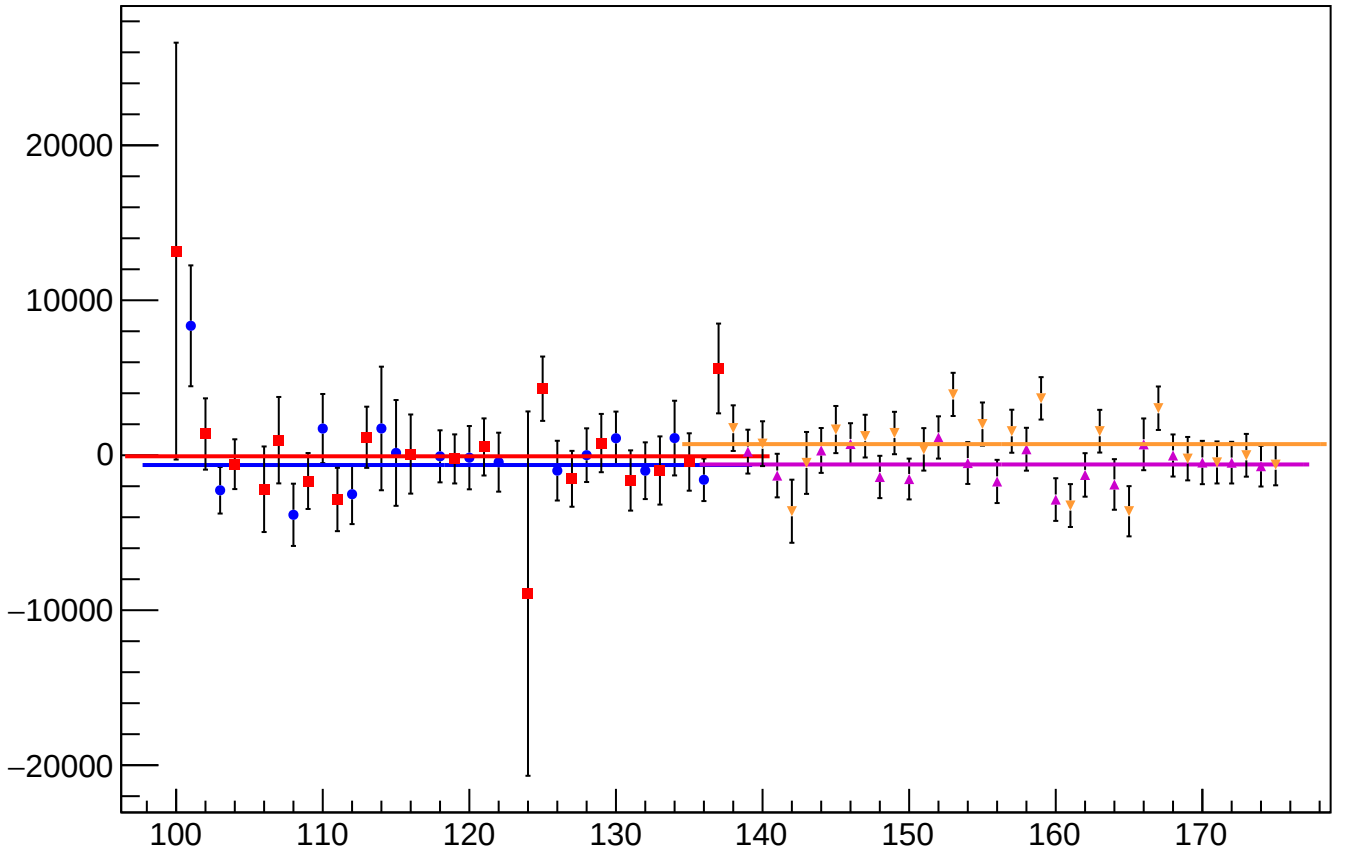
Left: 0.000+/-0.000 χ^2/NDF: 4716549.7/37

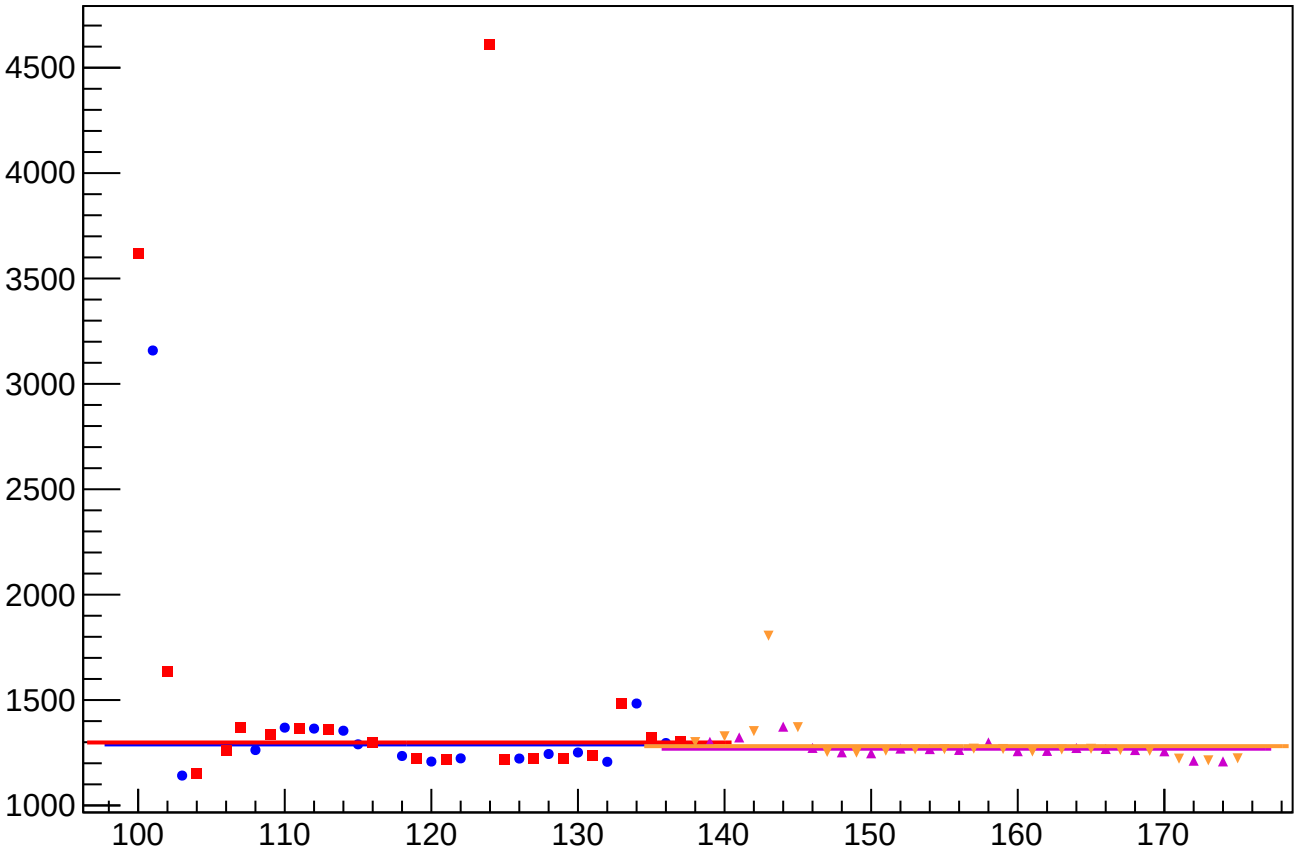
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4528513.2/33

Out: 0.000+/-0.000 χ^2/NDF:5432059.3/38

All: 0.000+/-0.000 χ^2/NDF: 10504649.2/72


reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.041+/-488.663 χ²/NDF: 13.9/15
Left Out: 717.812+/-322.406 χ²/NDF:38.3/19
Right Out: -67.642+/-487.761 χ²/NDF: 15.9/18
Left In: -594.396+/-329.096 χ²/NDF:10.0/17
Left: 75.182+/-230.304 χ²/NDF: 56.4/37
Right: -348.821+/-345.217 χ²/NDF: 30.4/34
In: -605.830+/-272.965 χ²/NDF:23.9/33
Out: 478.985+/-268.960 χ²/NDF:56.0/38
All: -55.405+/-191.584 χ²/NDF: 87.9/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

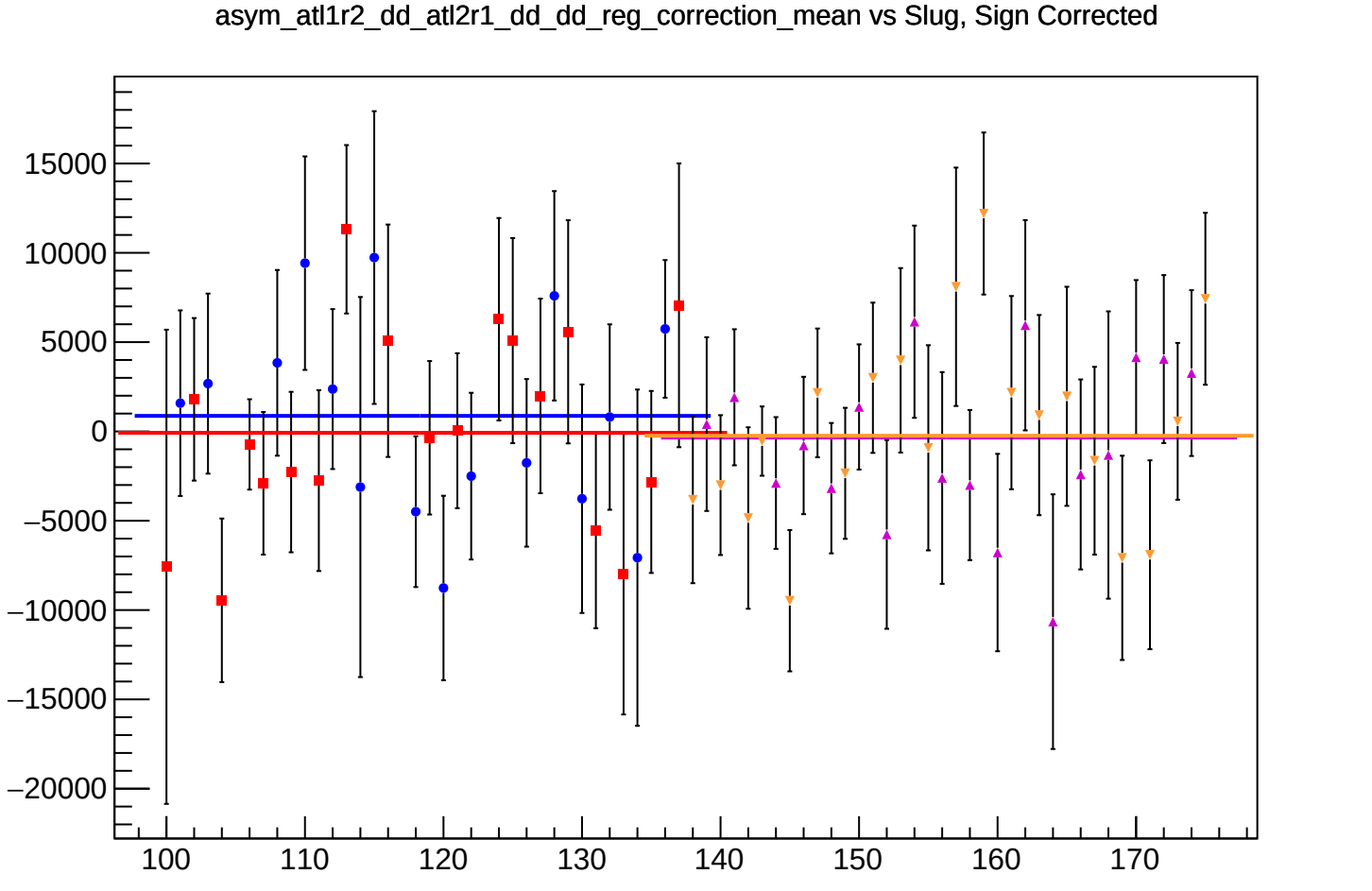
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1275.424+/-0.193 χ^2/NDF:541587.2/33

Out: 1286.556+/-0.190 χ^2/NDF:487923.4/38

All: 1281.076+/-0.135 χ^2/NDF: 1031199.6/72



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -345.521+/-1090.150 χ^2/NDF:12.1/17

Left: -285.469+/-714.666 χ^2/NDF: 36.6/37

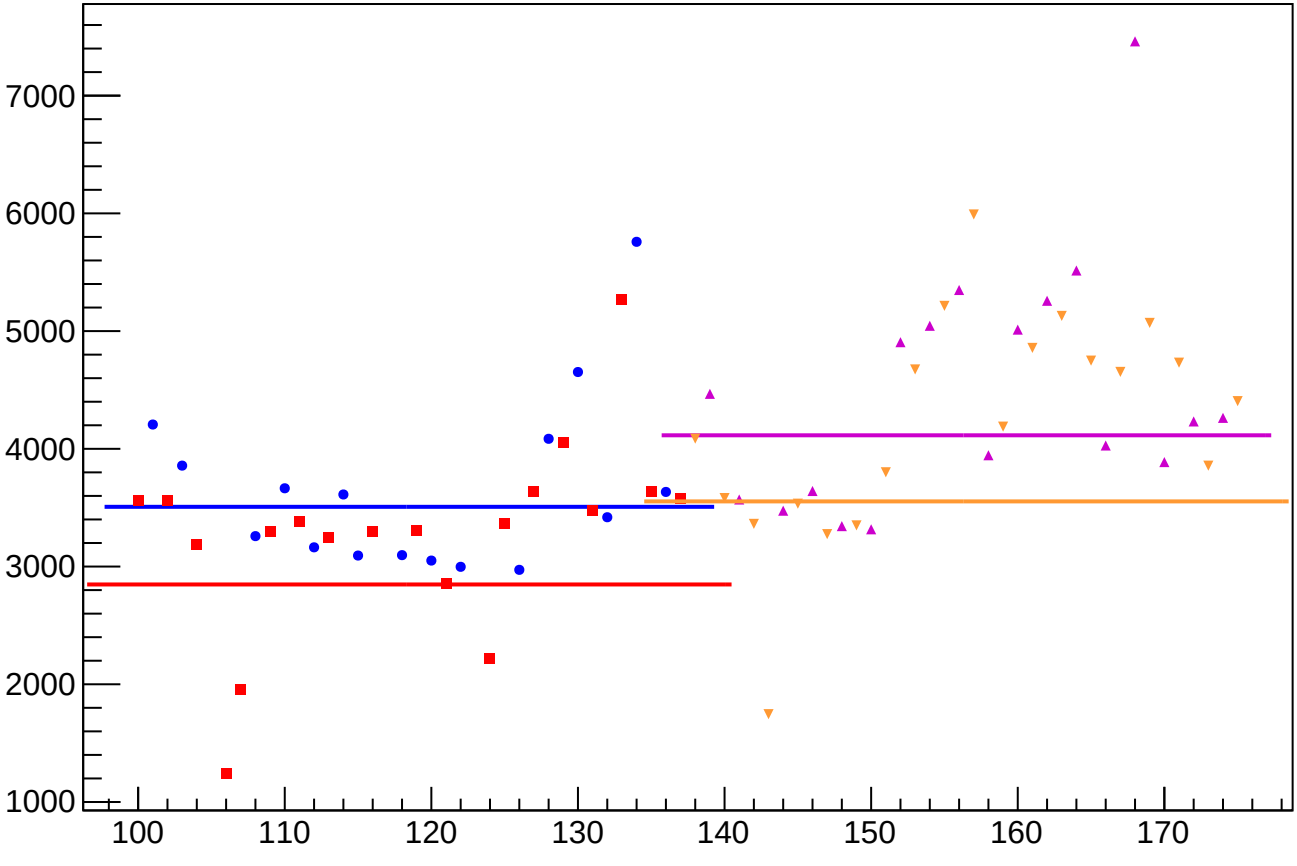
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 145.145+/-841.911 χ^2/NDF:26.6/33

Out: -171.720+/-720.465 χ^2/NDF:42.9/38

All: -37.770+/-547.395 χ^2/NDF: 69.6/72

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

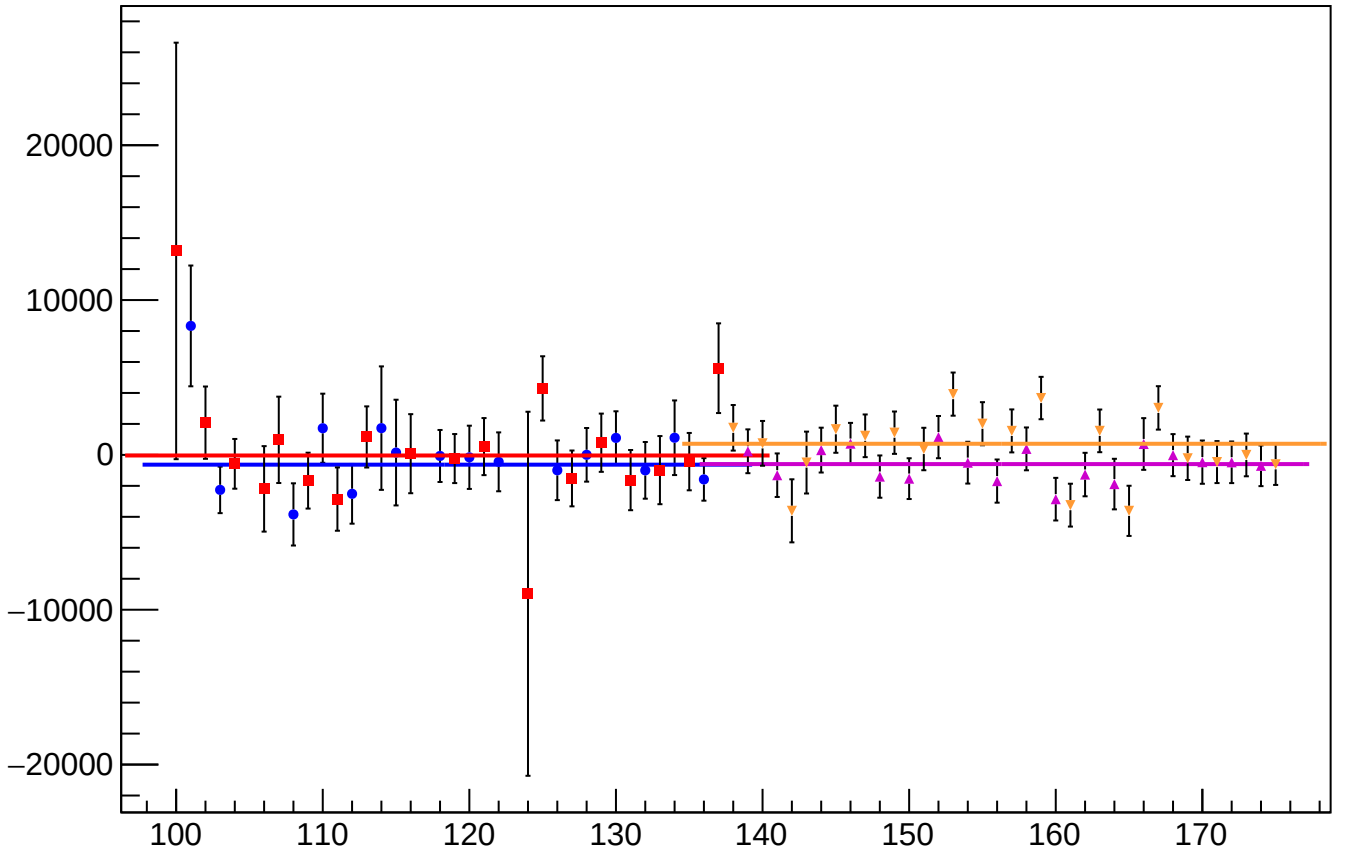
Left: 3794.728+/-0.505 χ^2/NDF: 4501530.5/37

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3869.740+/-0.595 χ^2/NDF:1695353.6/33

Out: 3256.733+/-0.509 χ^2/NDF:5075051.5/38

All: 3515.873+/-0.387 χ^2/NDF: 7382478.3/72



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

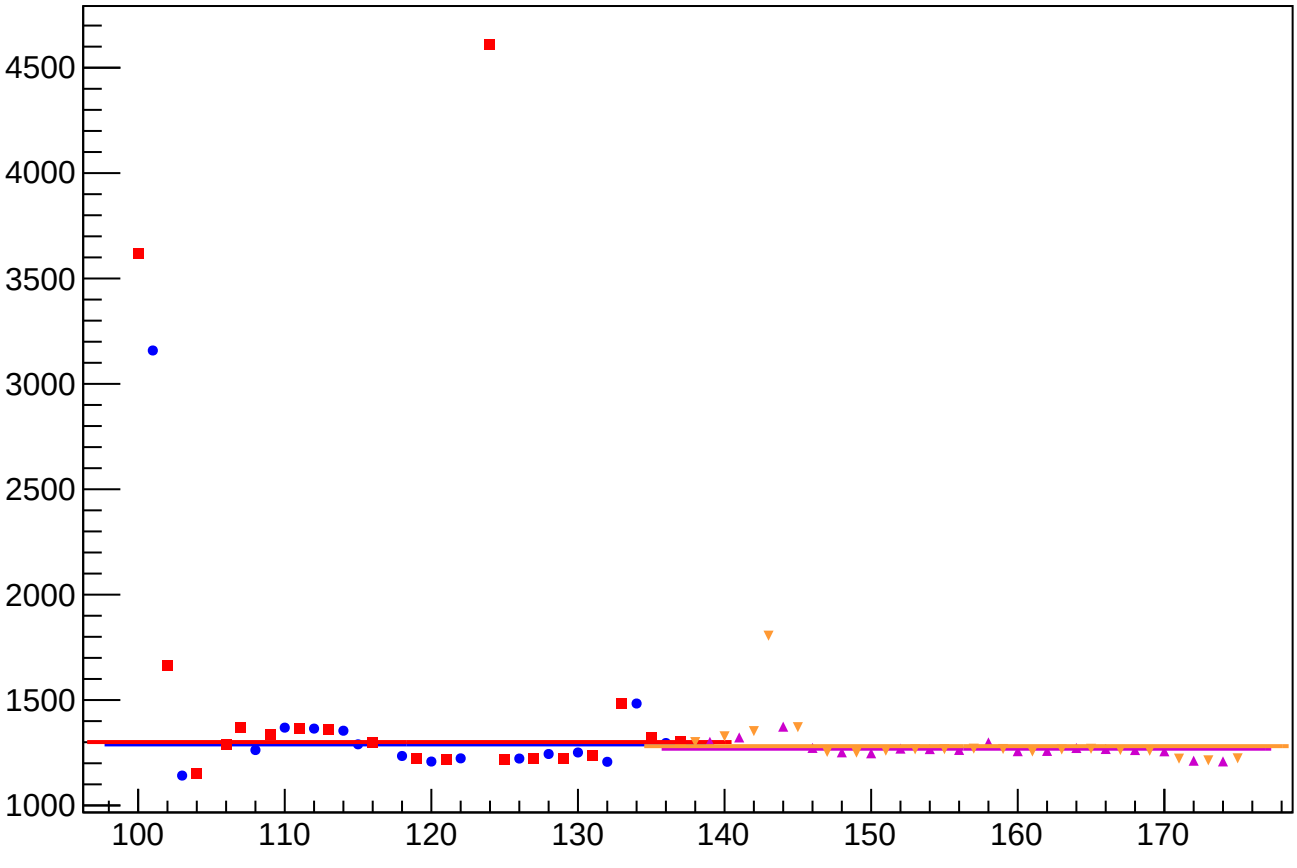
Left: 75.219+/-230.304 χ^2/NDF: 56.4/37

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -50.965+/-191.604 χ^2/NDF: 88.3/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

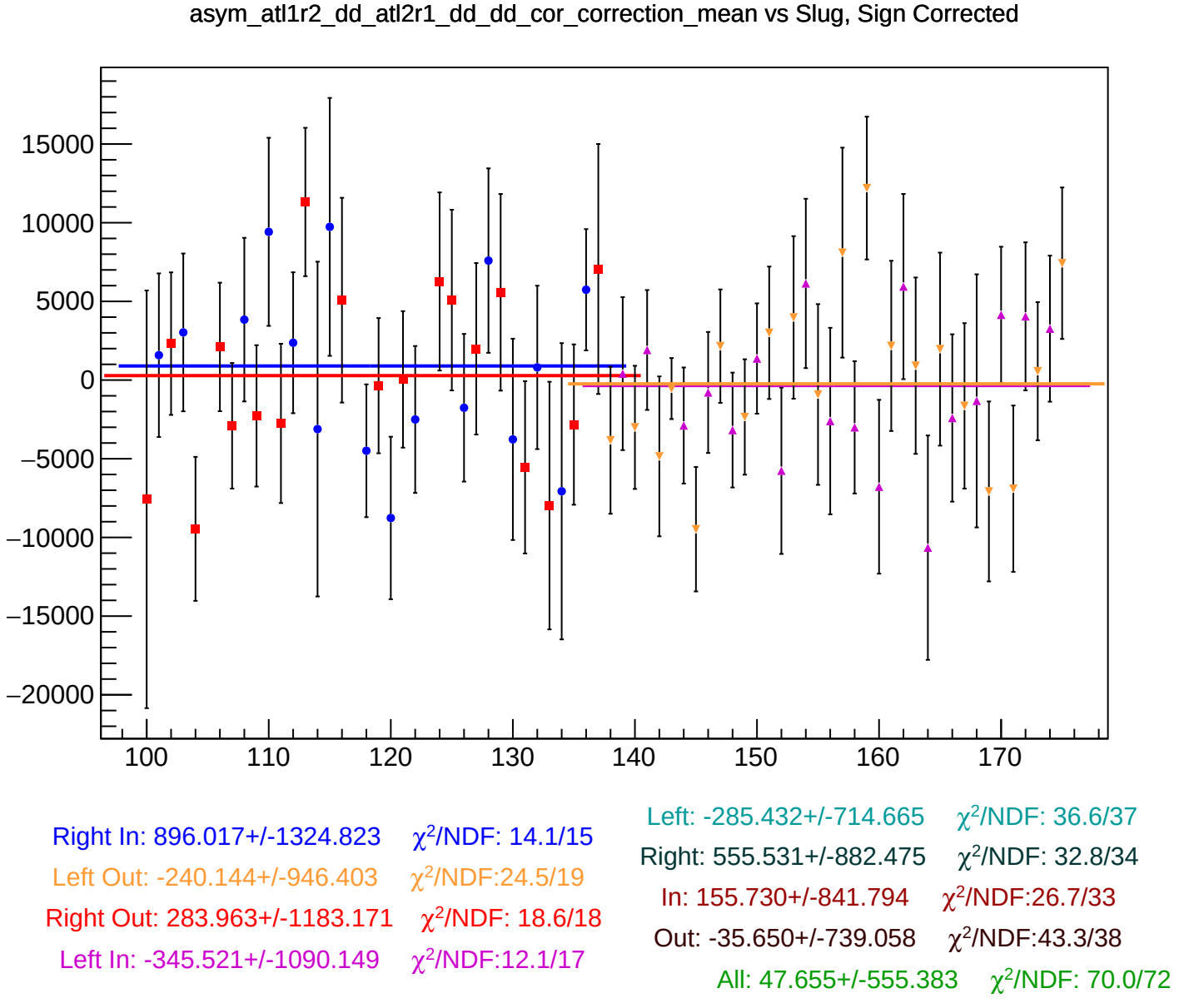
Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

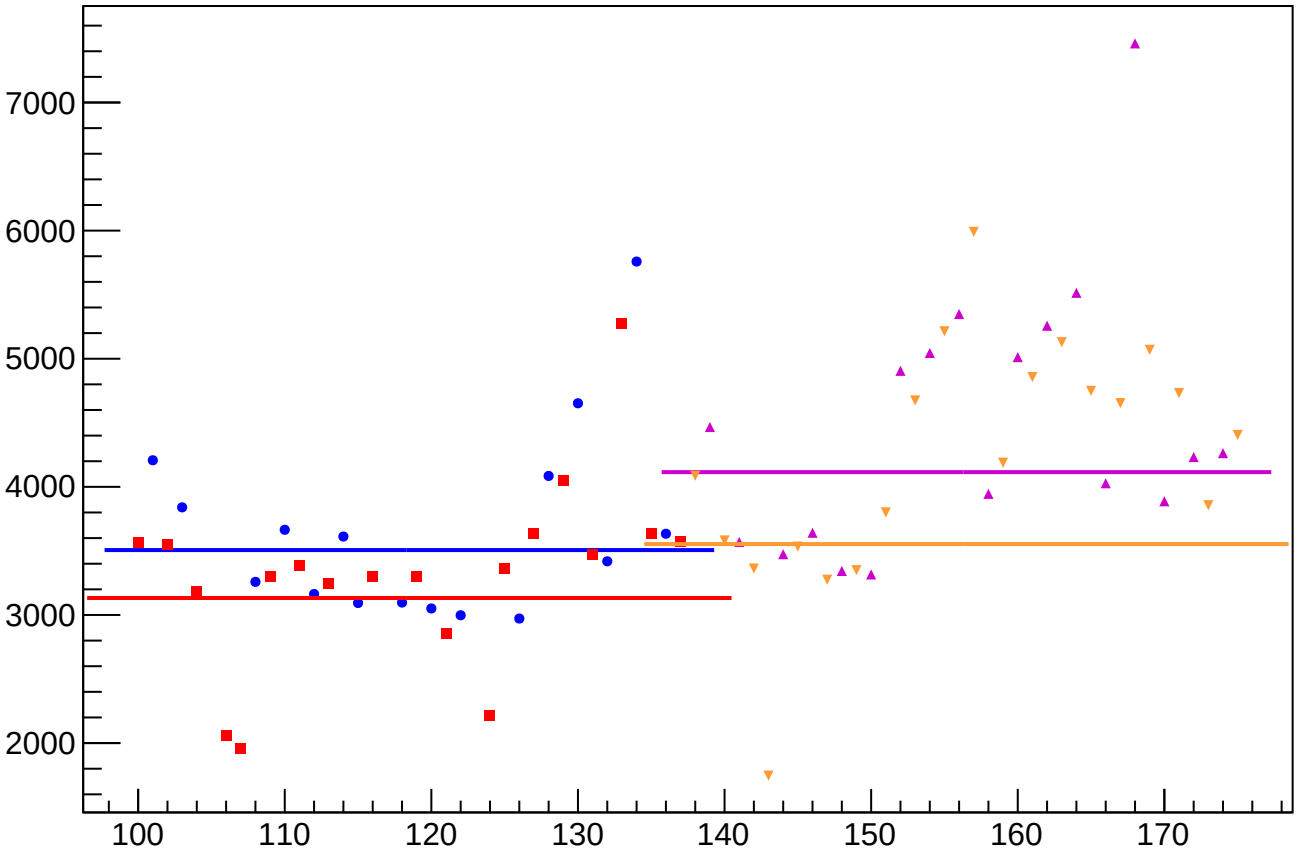
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -240.144+/-946.403 χ²/NDF:24.5/19
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -345.521+/-1090.149 χ²/NDF:12.1/17
Left: -285.432+/-714.665 χ²/NDF: 36.6/37
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 155.730+/-841.794 χ²/NDF:26.7/33
Out: -35.650+/-739.058 χ²/NDF:43.3/38
All: 47.655+/-555.383 χ²/NDF: 70.0/72



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

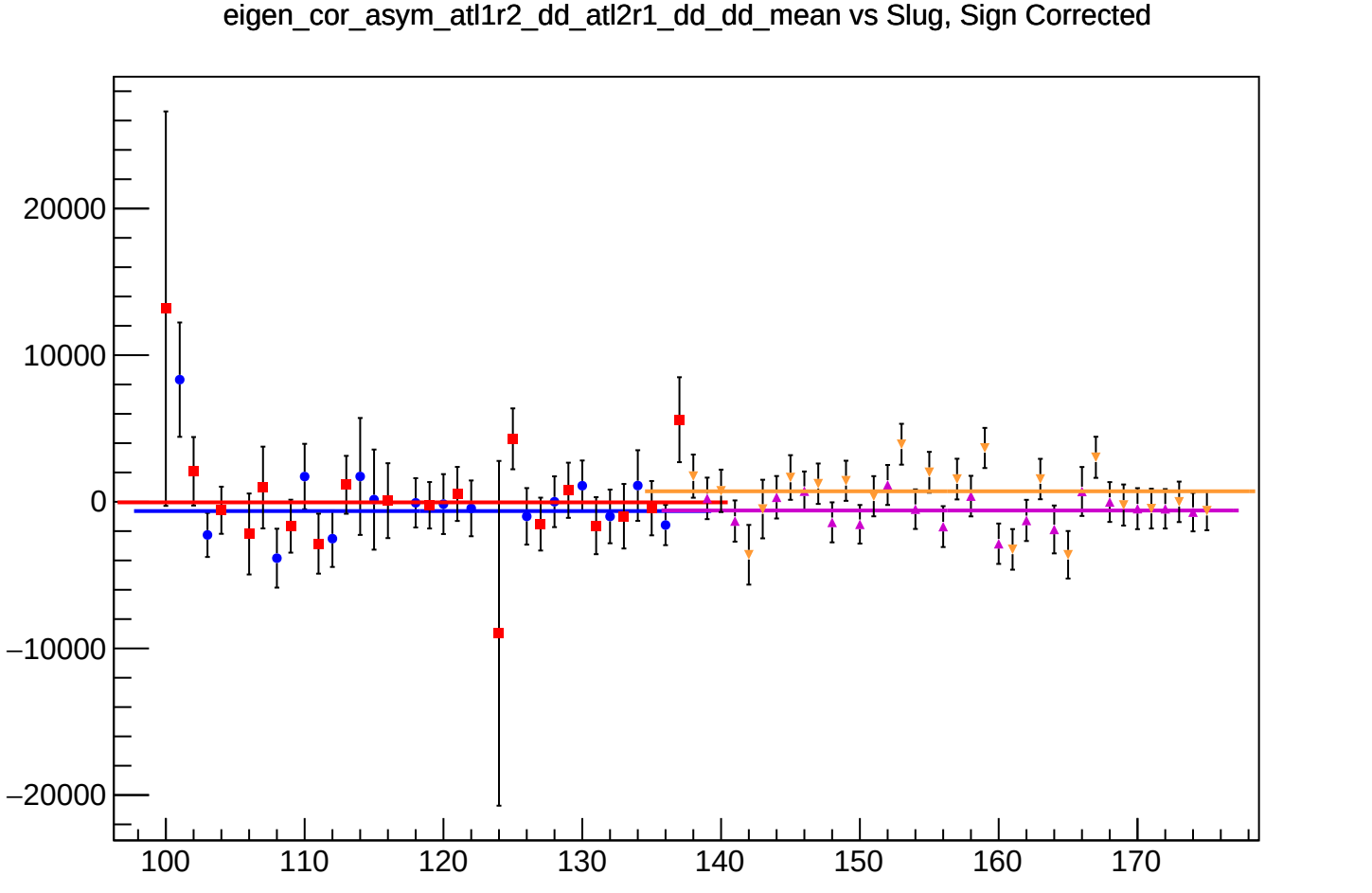
Left: 3794.721+/-0.505 χ^2/NDF: 4501570.2/37

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

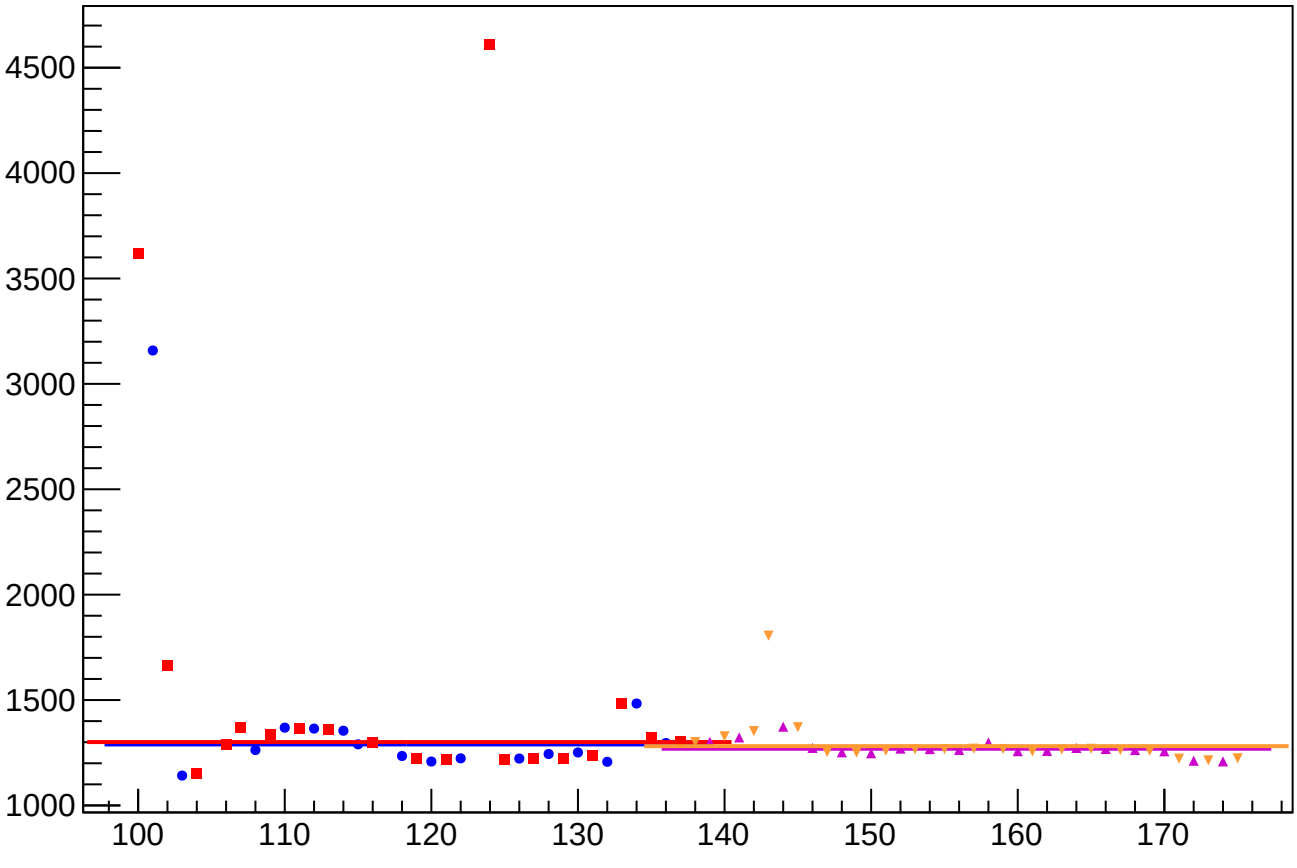
Left: 75.219+/-230.304 χ^2/NDF: 56.4/37

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -50.965+/-191.604 χ^2/NDF: 88.3/72



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

Left: 1275.273+/-0.163 χ^2/NDF: 192678.7/37

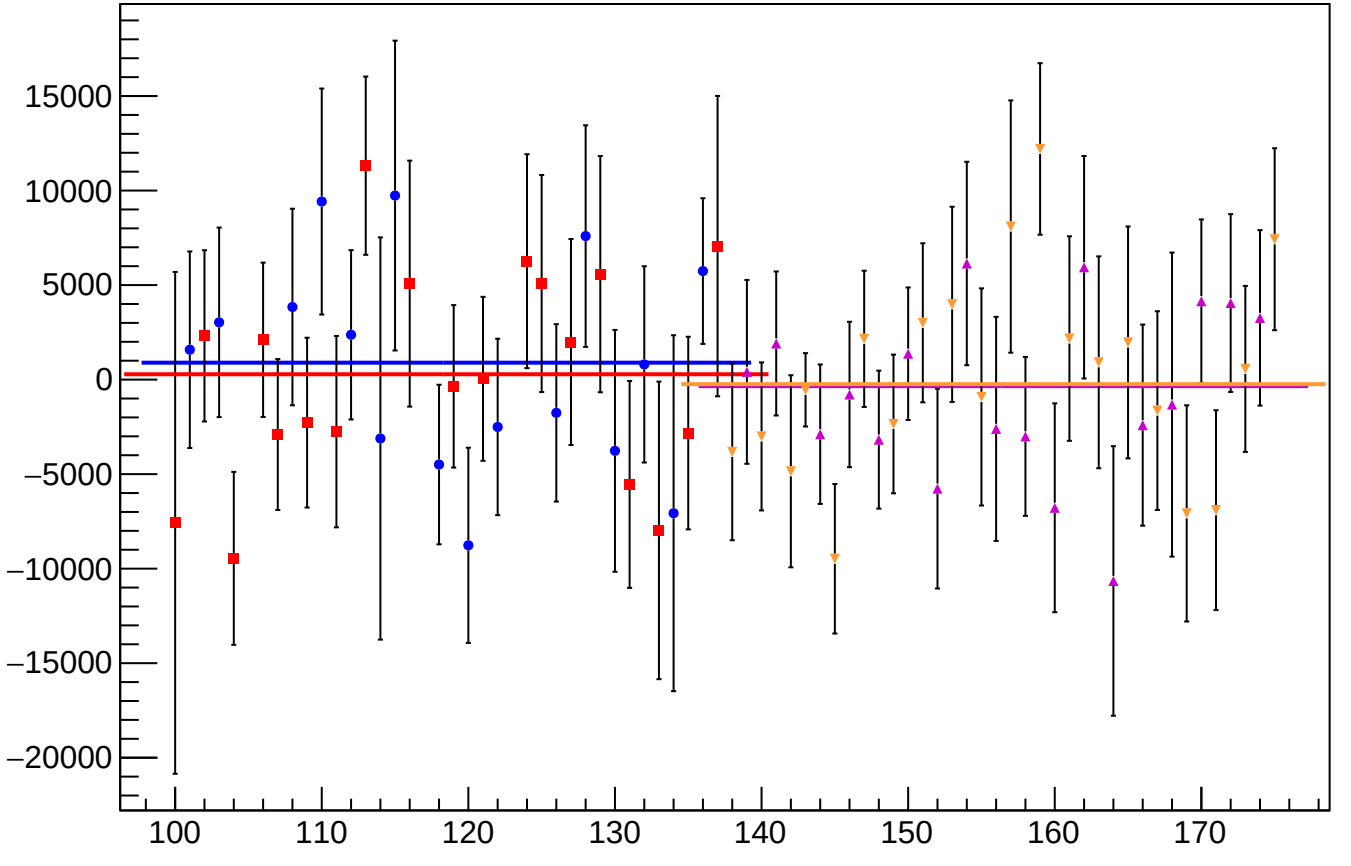
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1281.382+/-0.135 χ^2/NDF: 1038356.9/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

Left: -285.432+/-714.665 χ^2/NDF: 36.6/37

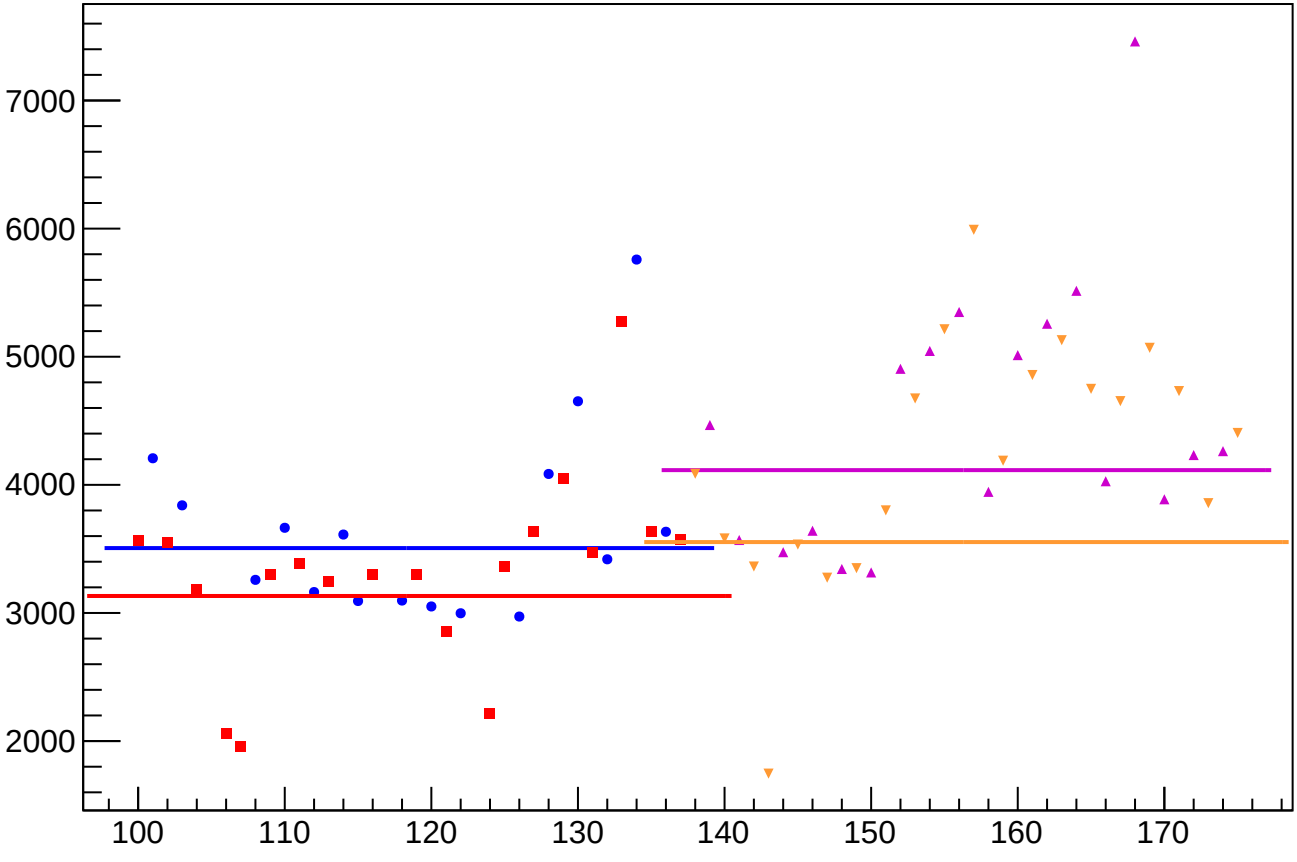
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 47.655+/-555.383 χ^2/NDF: 70.0/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

Left: 3794.721+/-0.505 χ^2/NDF: 4501570.2/37

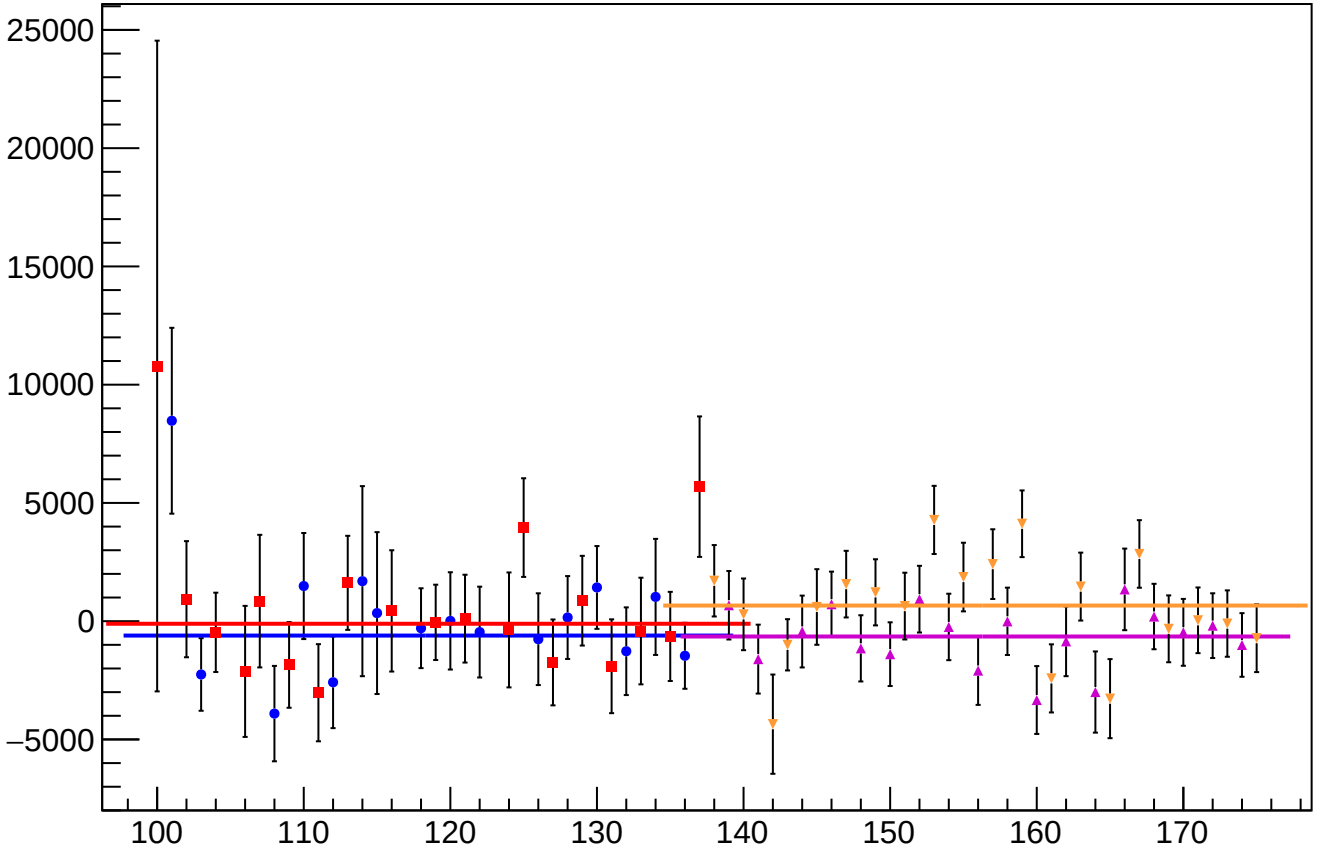
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3598.173+/-0.393 χ^2/NDF: 5974967.6/72

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -647.406+/-339.439 χ^2/NDF:12.5/17

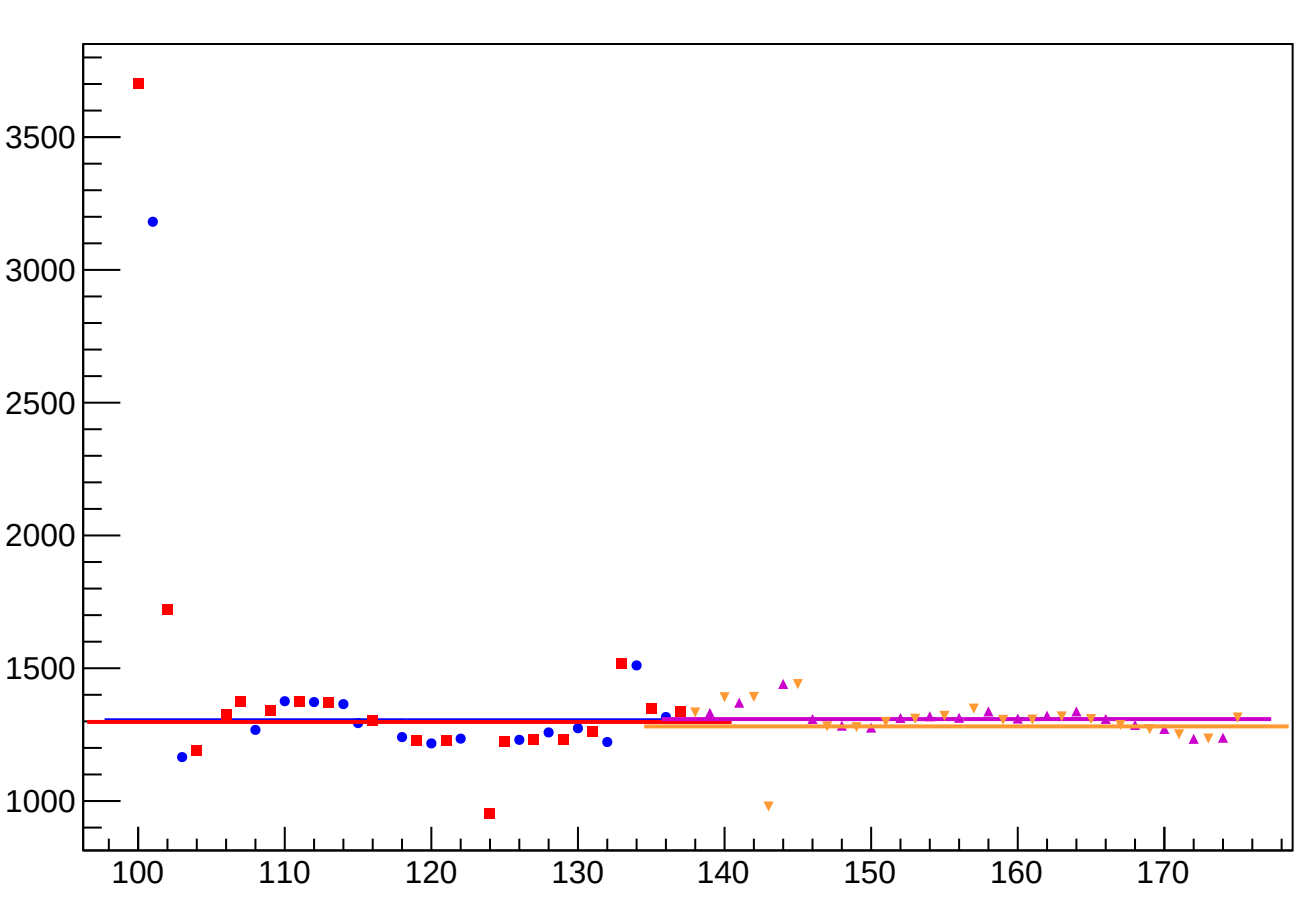
Left: 40.283+/-233.837 χ^2/NDF: 58.6/37

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -634.720+/-279.794 χ^2/NDF:26.6/33

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -83.115+/-193.802 χ^2/NDF: 89.0/72



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

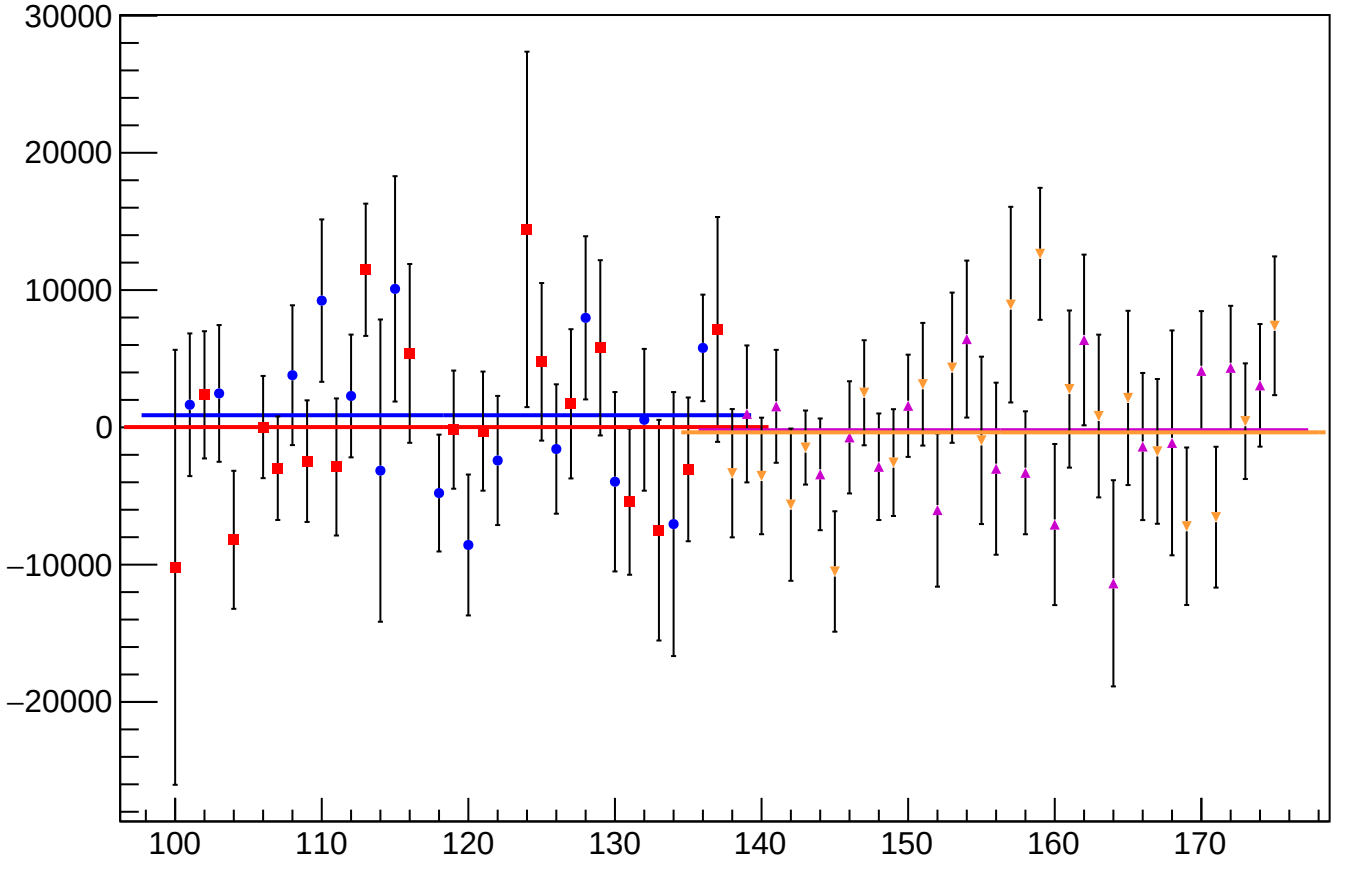
Left: 1294.077+/-0.165 χ^2/NDF: 250423.2/37

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.147+/-0.198 χ^2/NDF:546670.8/33

Out: 1286.131+/-0.190 χ^2/NDF:422265.2/38

All: 1296.212+/-0.137 χ^2/NDF: 974807.4/72



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -206.543+/-1139.188 χ^2/NDF:12.0/17

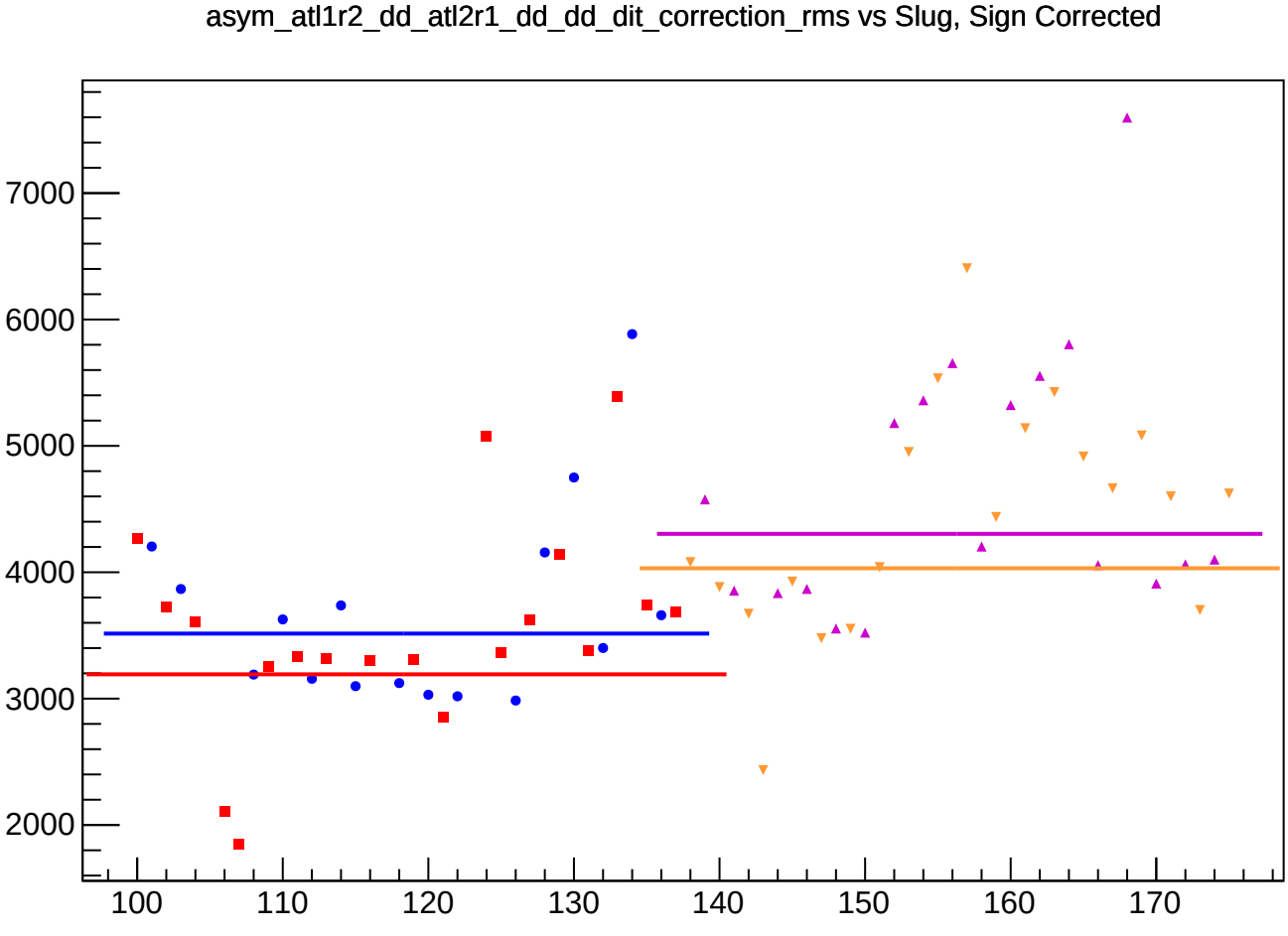
Left: -290.509+/-770.310 χ^2/NDF: 36.5/37

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 256.021+/-864.480 χ^2/NDF:26.5/33

Out: -196.422+/-788.324 χ^2/NDF:41.4/38

All: 8.997+/-582.496 χ^2/NDF: 68.0/72



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

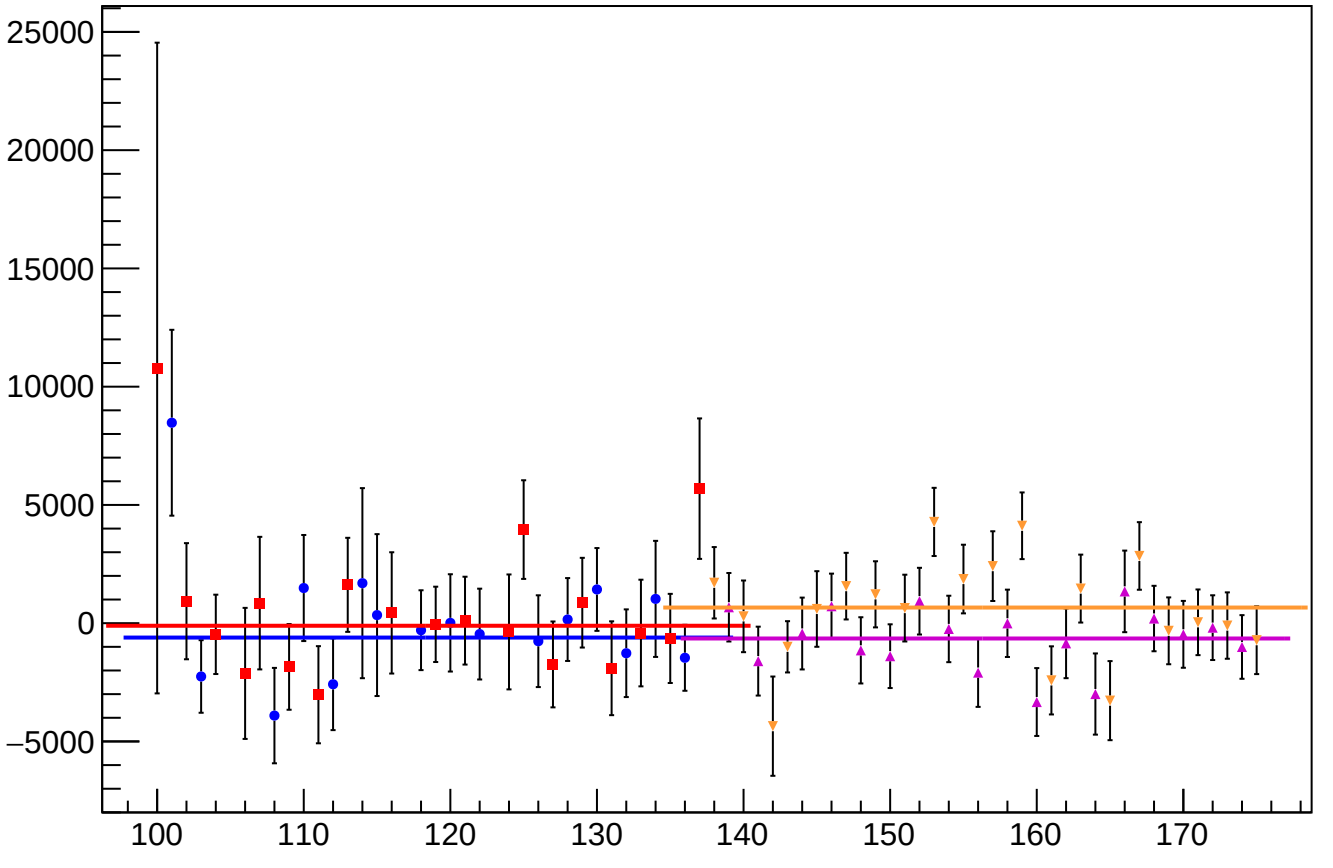
Left: 4156.000+/-0.545 χ^2/NDF: 2675433.6/37

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3969.166+/-0.611 χ^2/NDF:1810578.4/33

Out: 3669.264+/-0.557 χ^2/NDF:2913433.9/38

All: 3805.426+/-0.412 χ^2/NDF: 4855430.0/72



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -647.407+/-339.439 χ^2/NDF:12.5/17

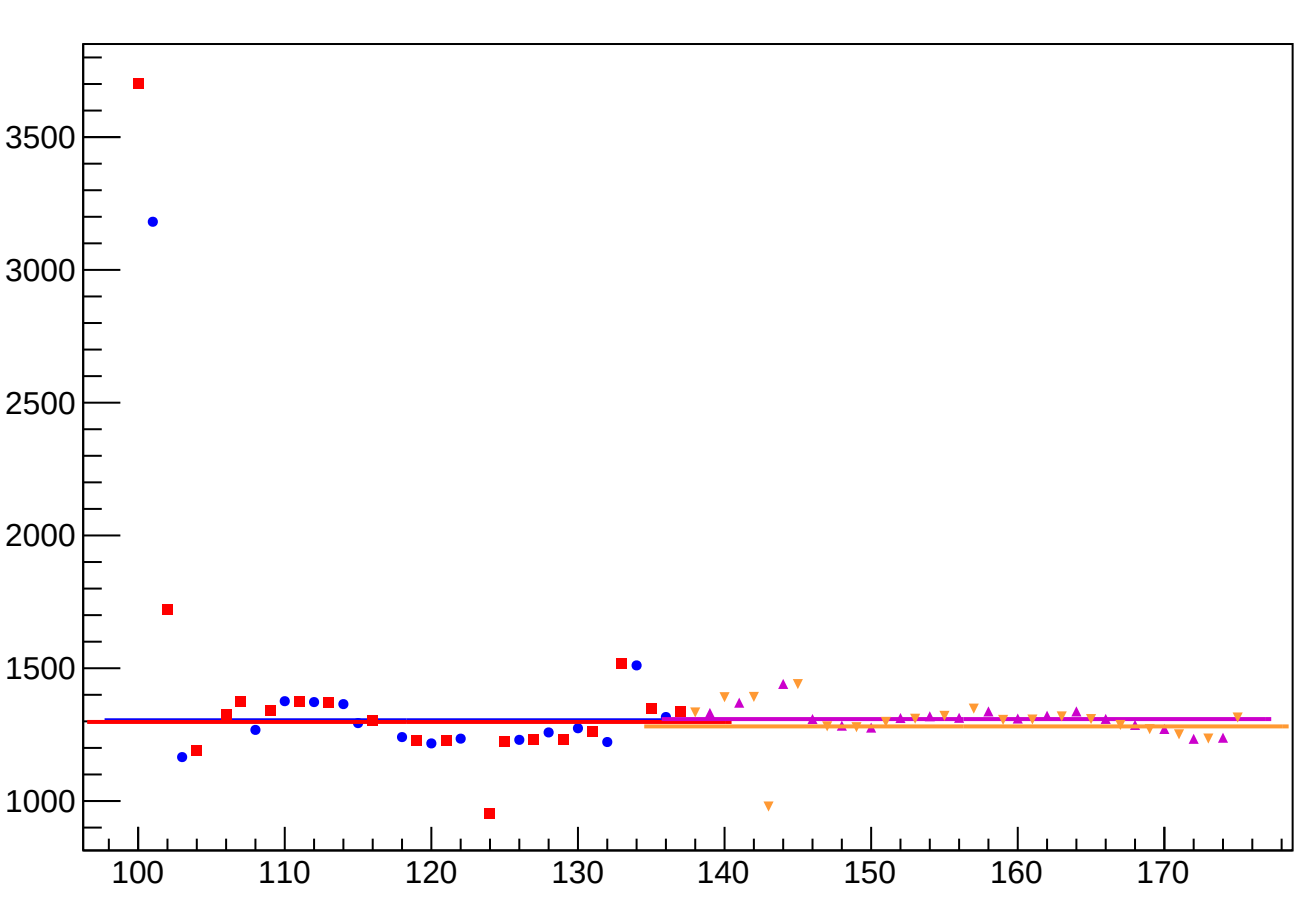
Left: 40.284+/-233.838 χ^2/NDF: 58.6/37

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -634.721+/-279.794 χ^2/NDF:26.6/33

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -83.115+/-193.802 χ^2/NDF: 89.0/72



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

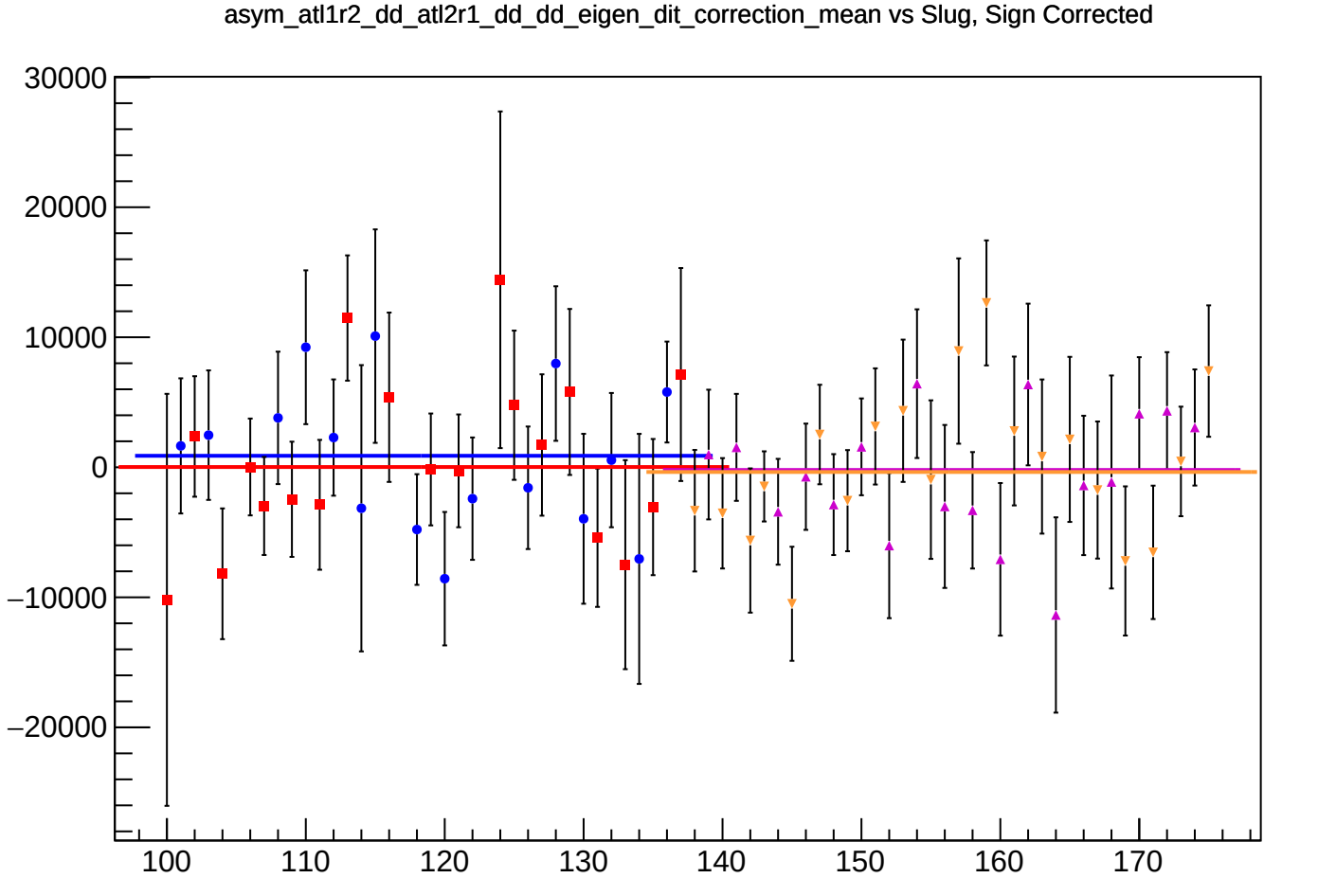
Left: 1294.078+/-0.165 χ^2/NDF: 250425.5/37

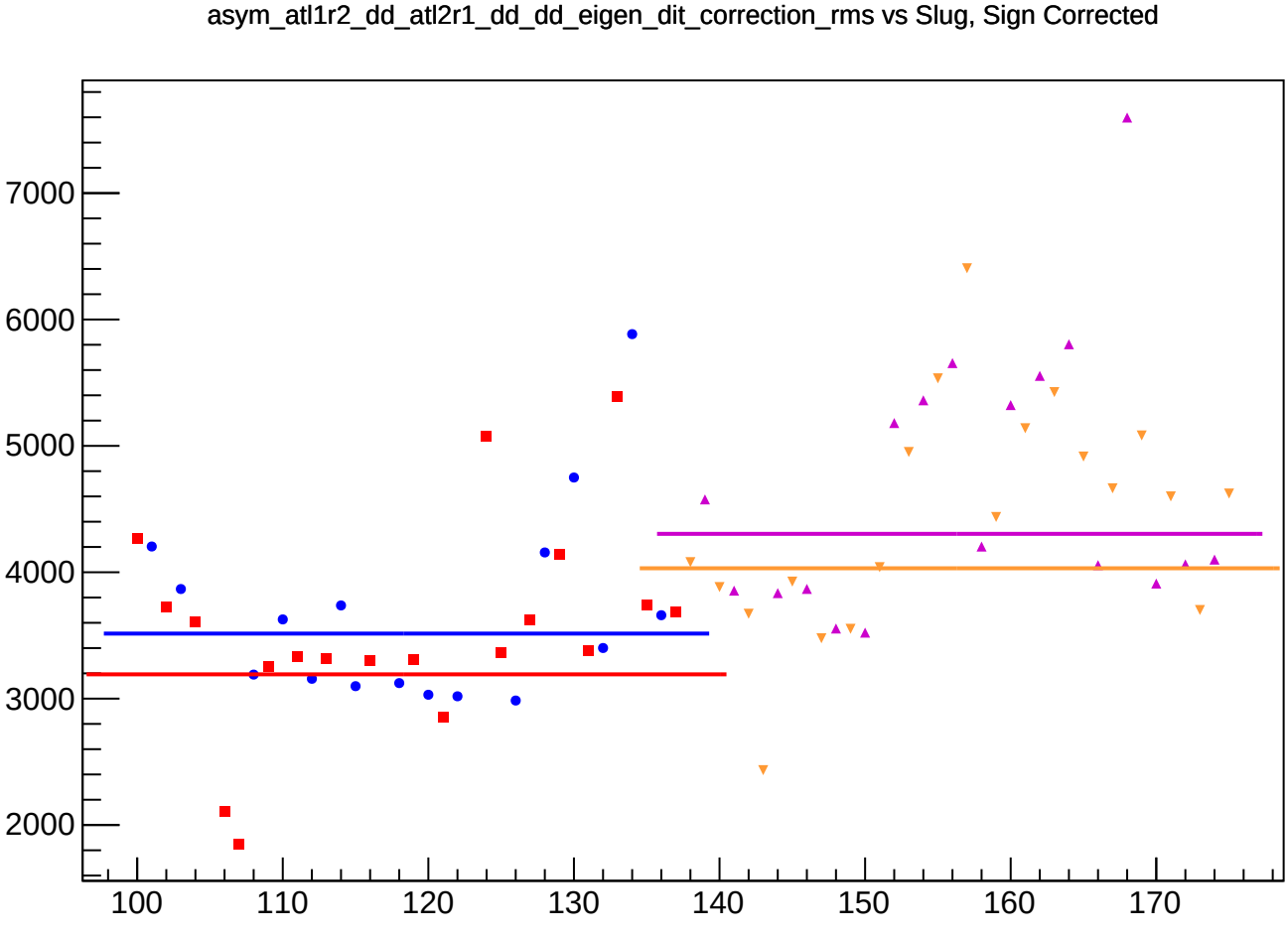
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.148+/-0.198 χ^2/NDF:546672.1/33

Out: 1286.132+/-0.190 χ^2/NDF:422266.4/38

All: 1296.212+/-0.137 χ^2/NDF: 974809.8/72


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -361.241+/-1045.589 χ²/NDF:24.5/19
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -206.542+/-1139.189 χ²/NDF:12.0/17
Left: -290.507+/-770.312 χ²/NDF: 36.5/37
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 256.019+/-864.479 χ²/NDF:26.5/33
Out: -196.421+/-788.324 χ²/NDF:41.4/38
All: 8.996+/-582.496 χ²/NDF: 68.0/72



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

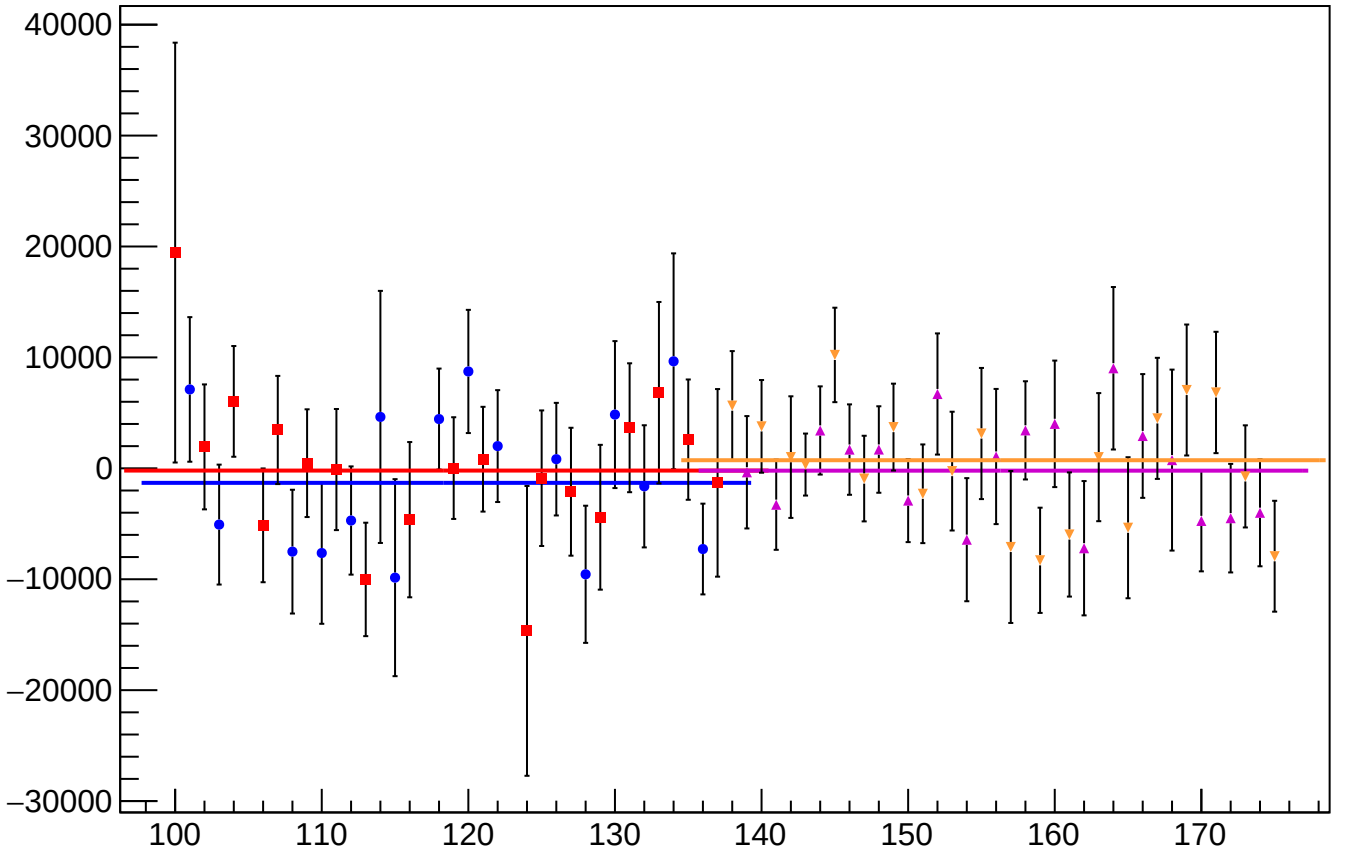
Left: 4156.006+/-0.545 χ^2/NDF: 2675436.5/37

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3969.164+/-0.611 χ^2/NDF:1810601.1/33

Out: 3669.263+/-0.557 χ^2/NDF:2913456.8/38

All: 3805.424+/-0.412 χ^2/NDF: 4855475.3/72



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -210.269+/-1146.548 χ^2/NDF:12.1/17

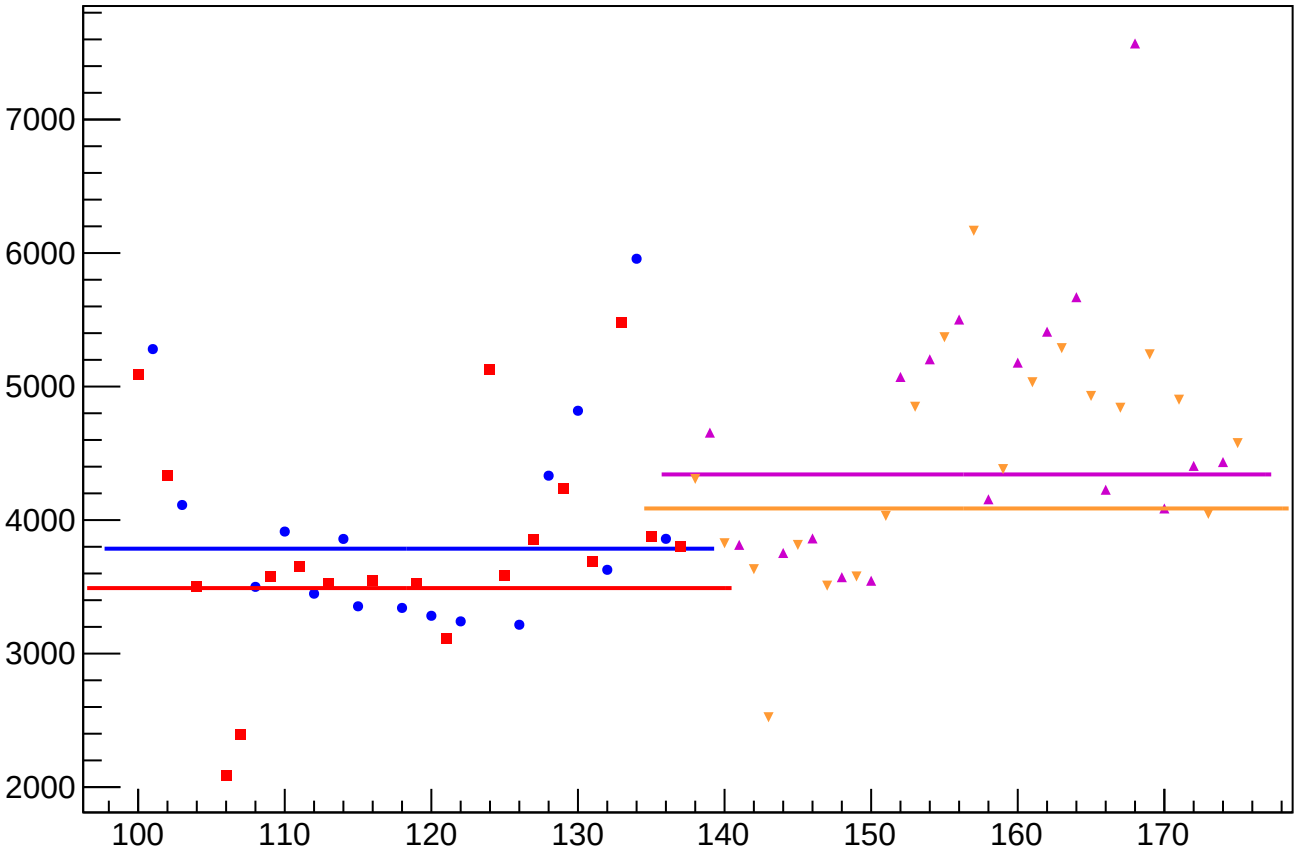
Left: 298.824+/-776.774 χ^2/NDF: 33.7/37

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -639.748+/-894.923 χ^2/NDF:30.1/33

Out: 372.224+/-828.503 χ^2/NDF:33.1/38

All: -94.819+/-607.967 χ^2/NDF: 63.9/72



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

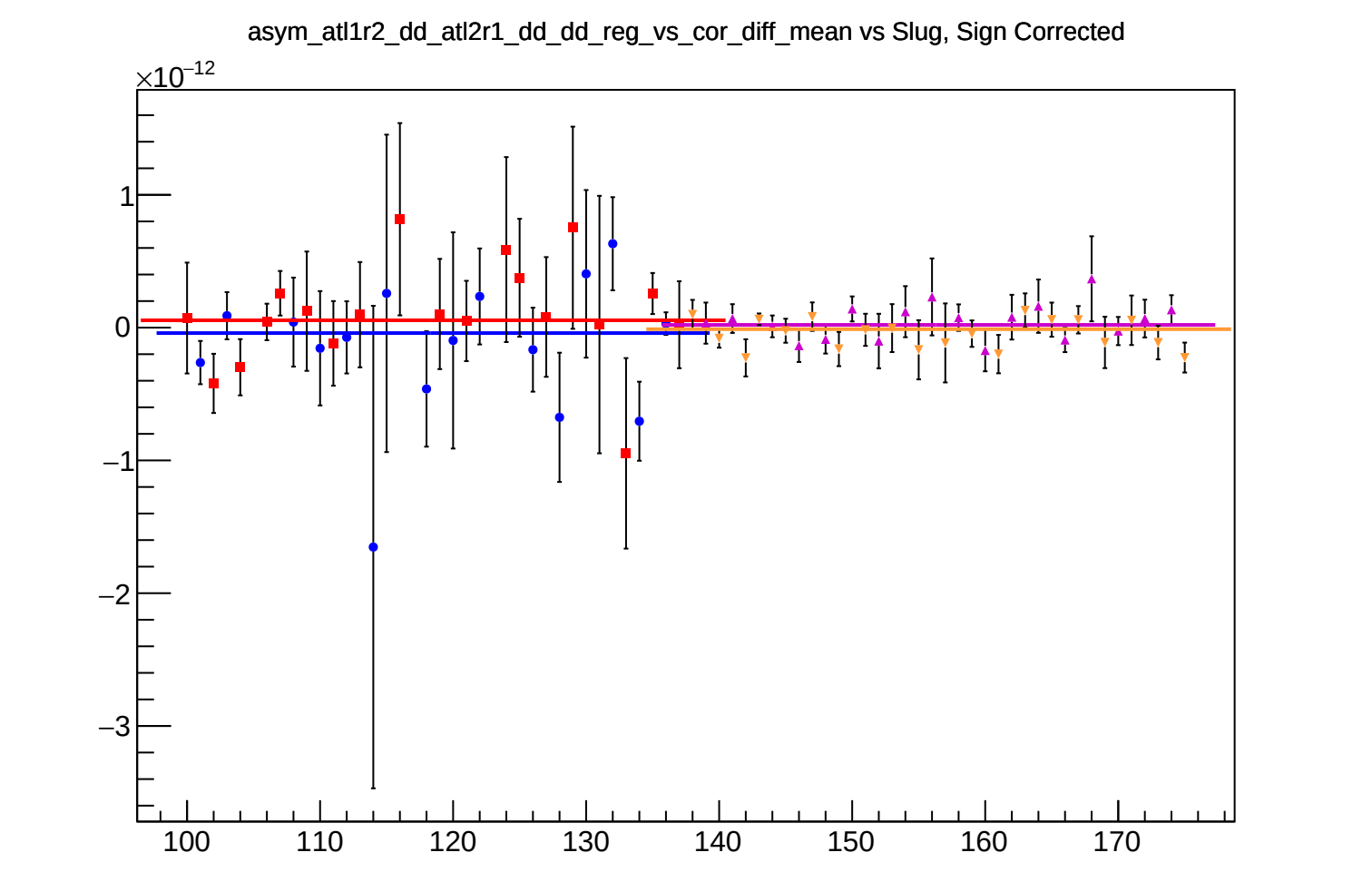
Left: 4203.961+/-0.549 χ^2/NDF: 2409477.7/37

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4124.557+/-0.633 χ^2/NDF:1500307.3/33

Out: 3853.764+/-0.583 χ^2/NDF:2258643.6/38

All: 3978.024+/-0.429 χ^2/NDF: 3858041.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/17

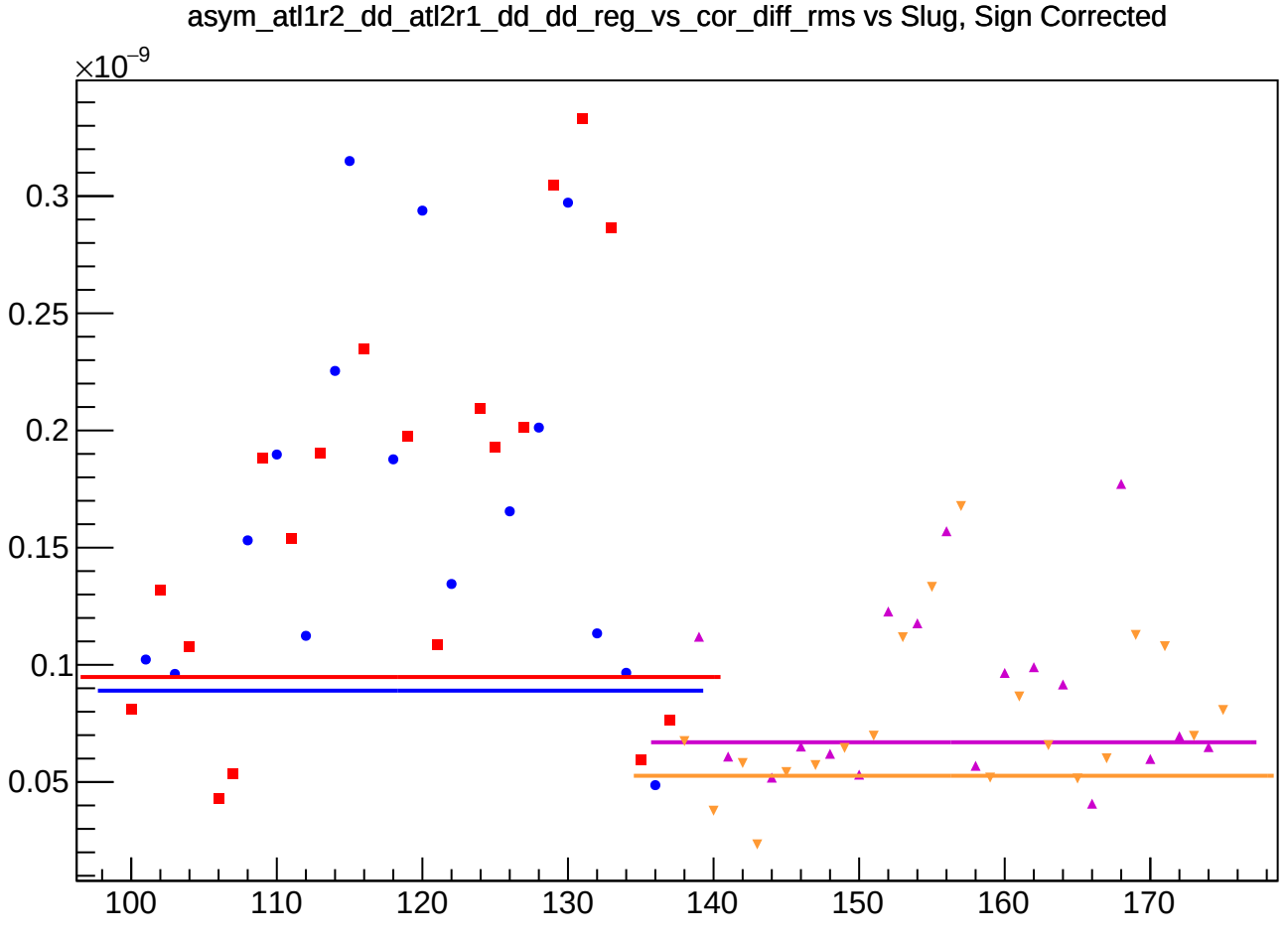
Left: 0.000+/-0.000 χ^2/NDF: 31.2/37

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/33

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 65.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4186061.2/37

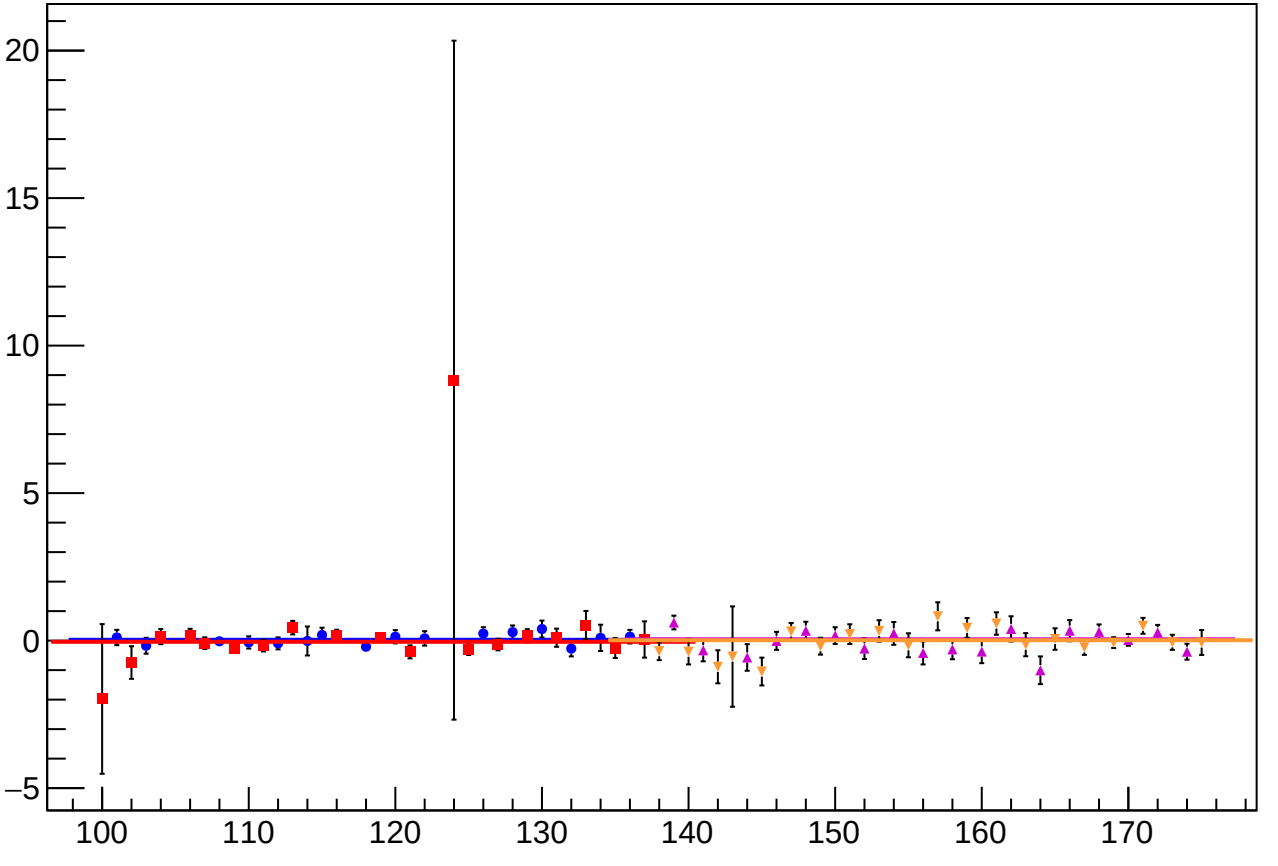
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3059842.5/33

Out: 0.000+/-0.000 χ^2/NDF:5021382.3/38

All: 0.000+/-0.000 χ^2/NDF: 8397999.2/72

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

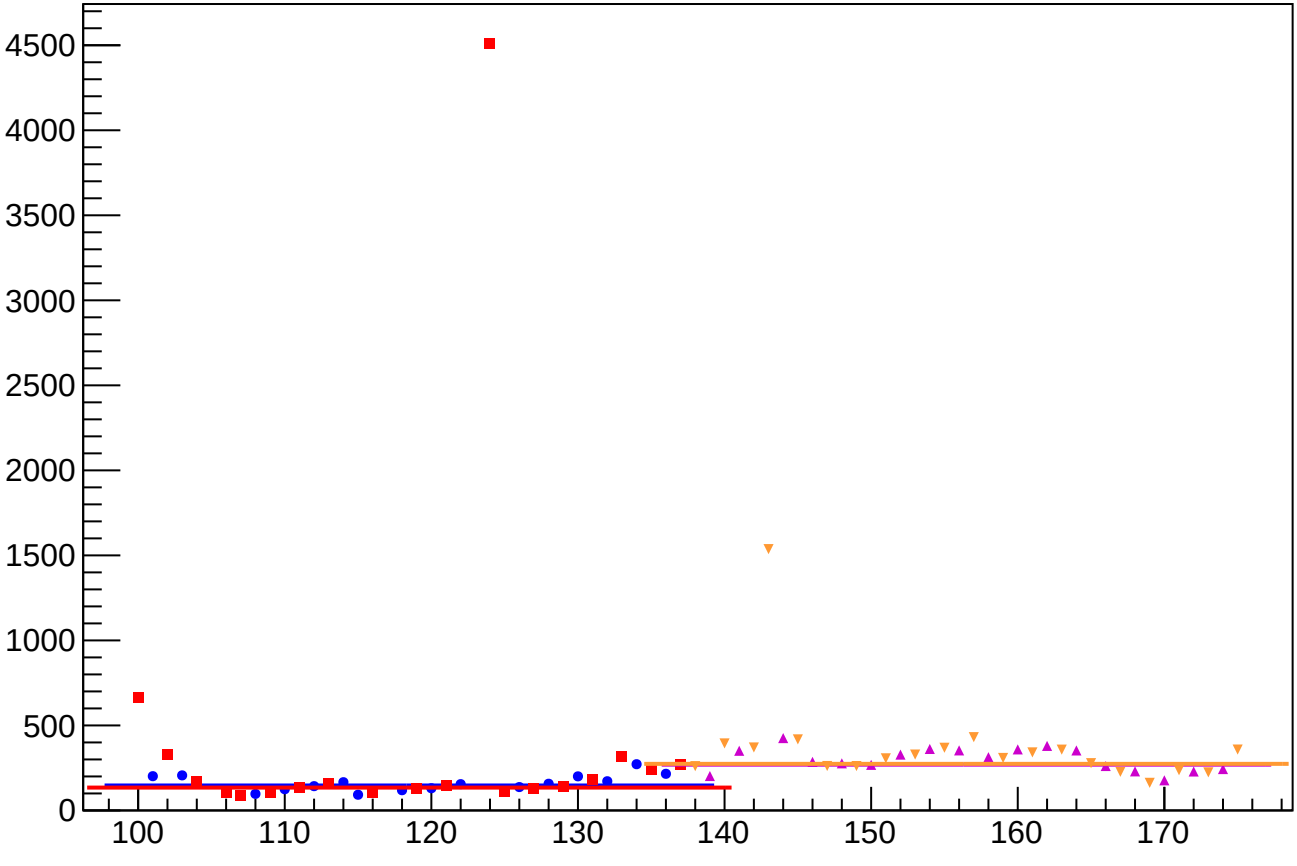
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 271.621+/-0.037 χ^2/NDF: 4743543.0/37

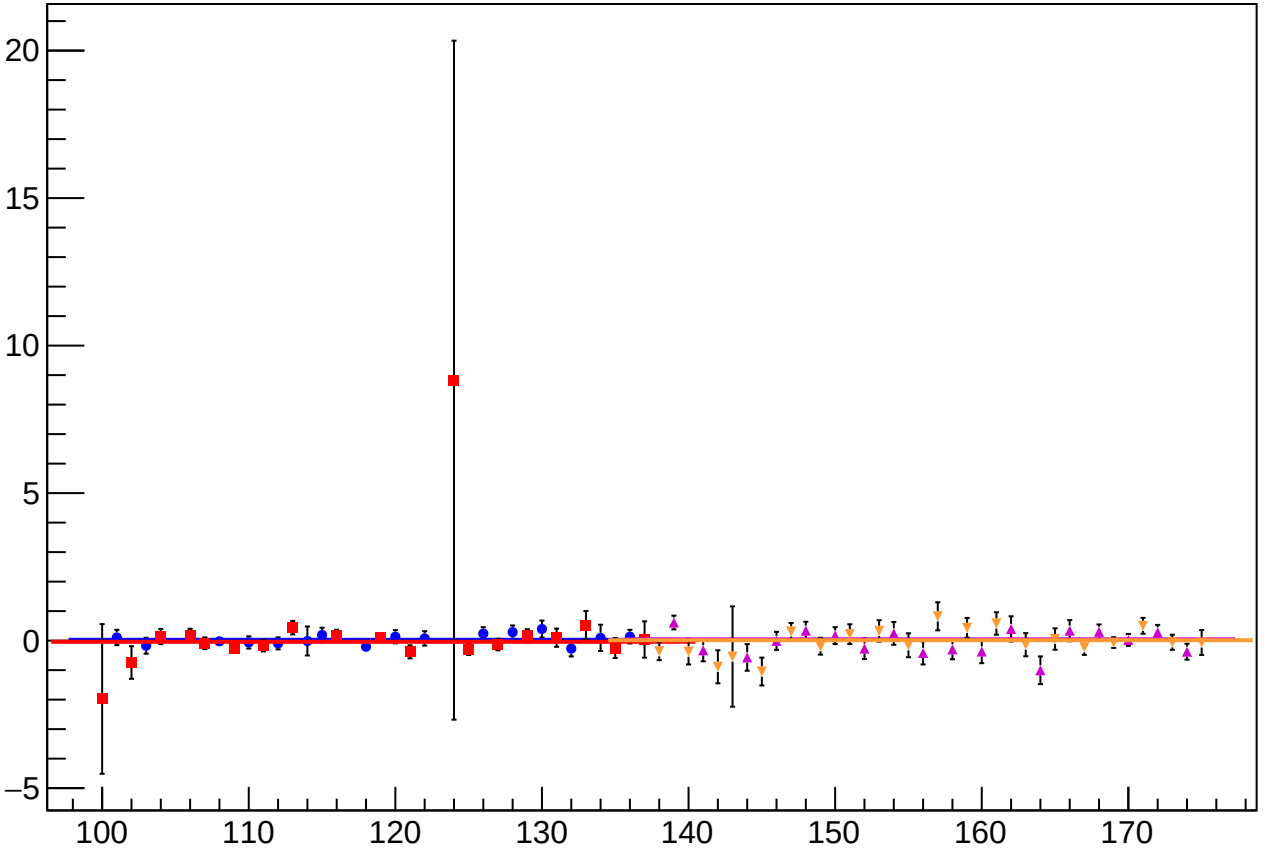
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

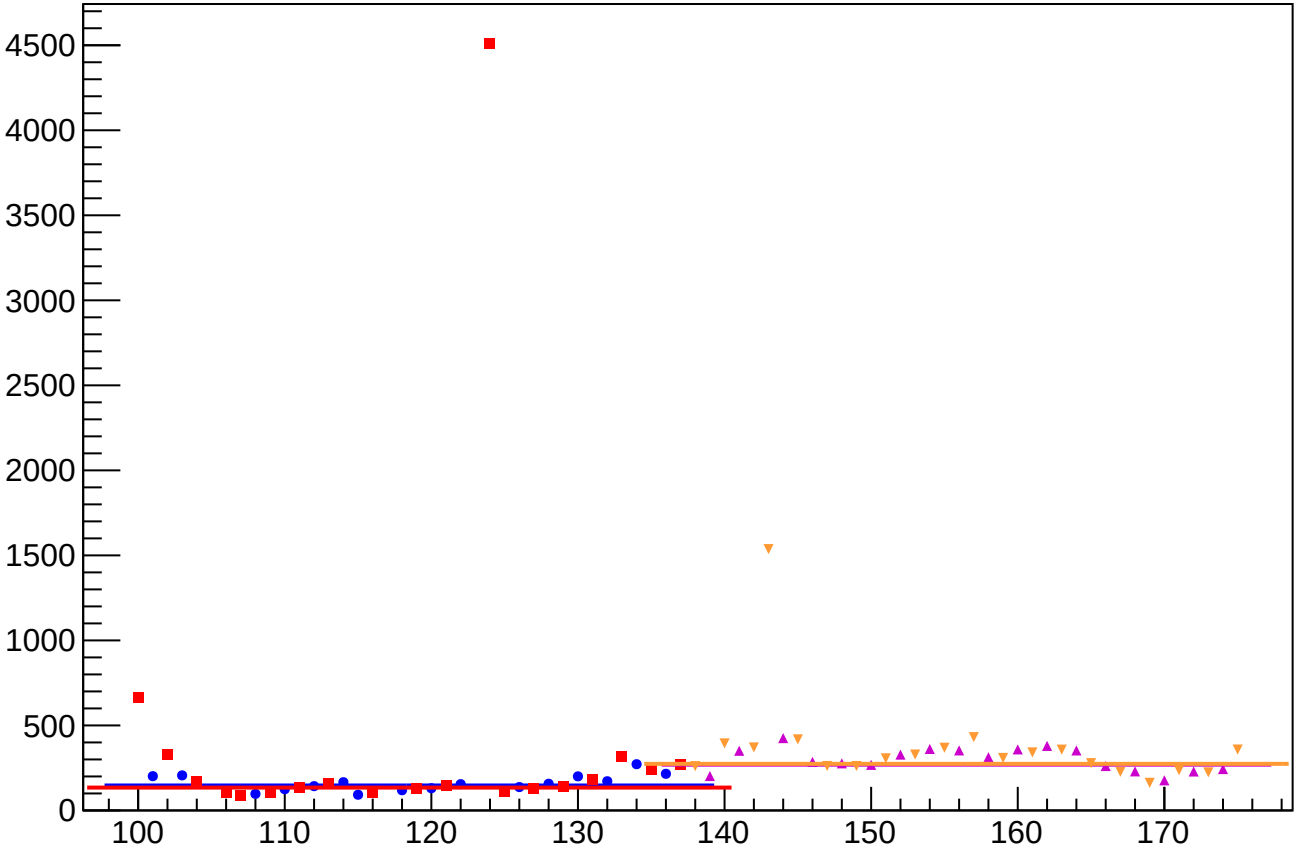
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

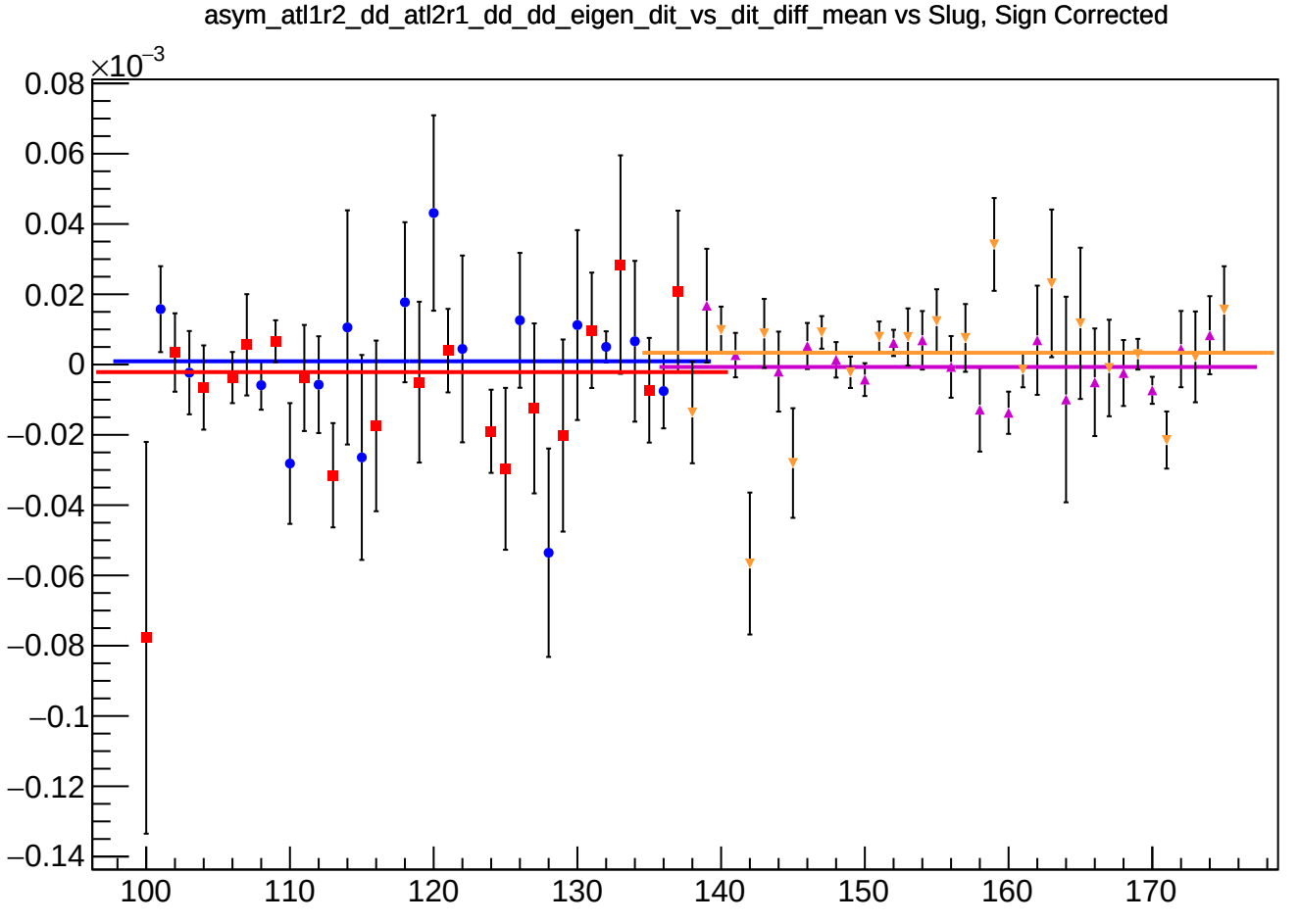
Left: 271.621+/-0.037 χ^2/NDF: 4743543.0/37

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.106+/-0.022 χ^2/NDF: 15507610.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

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

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

Left: 0.000+/-0.000 χ^2/NDF: 59.4/37

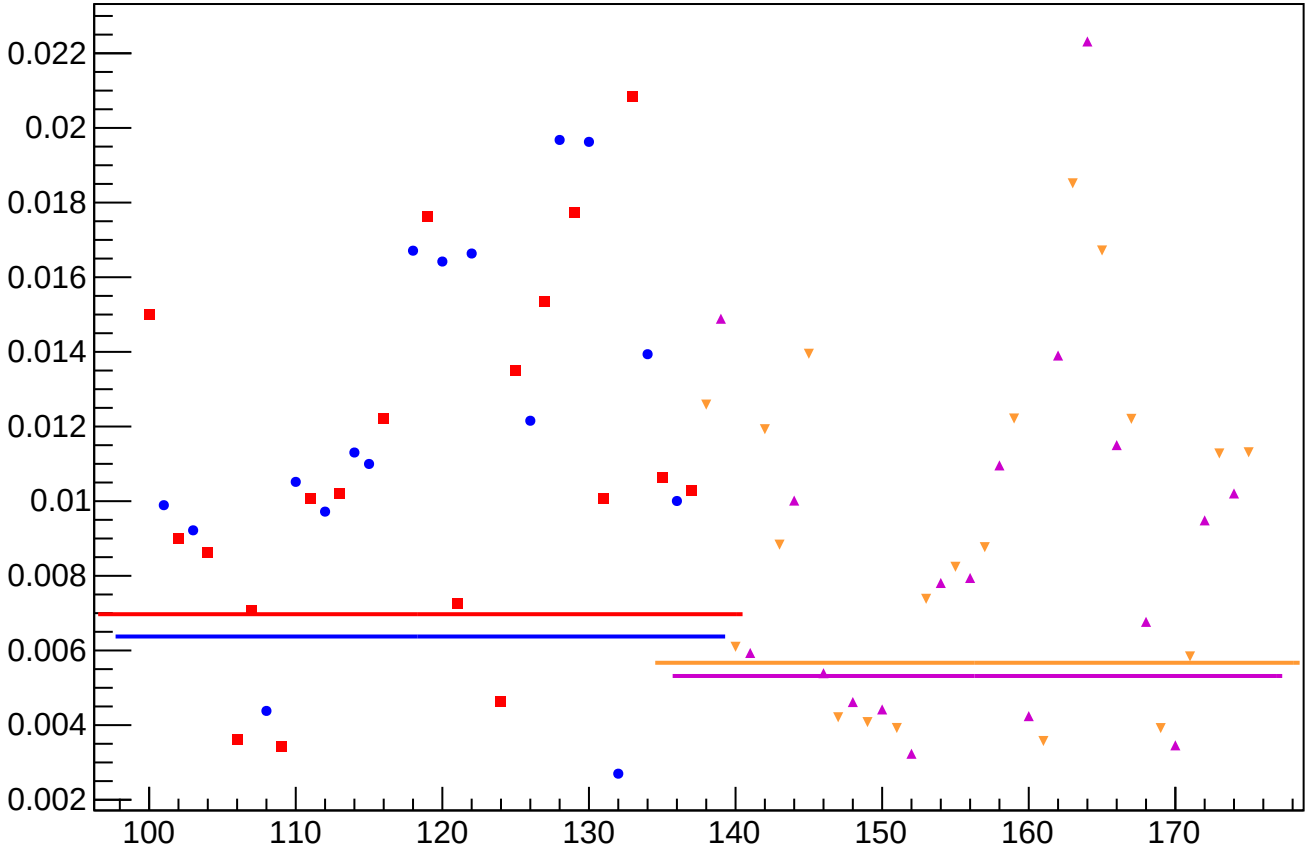
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.4/33

Out: 0.000+/-0.000 χ^2/NDF:57.6/38

All: 0.000+/-0.000 χ^2/NDF: 91.4/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

Left: 0.005+/-0.000 χ^2/NDF: 11860298.1/37

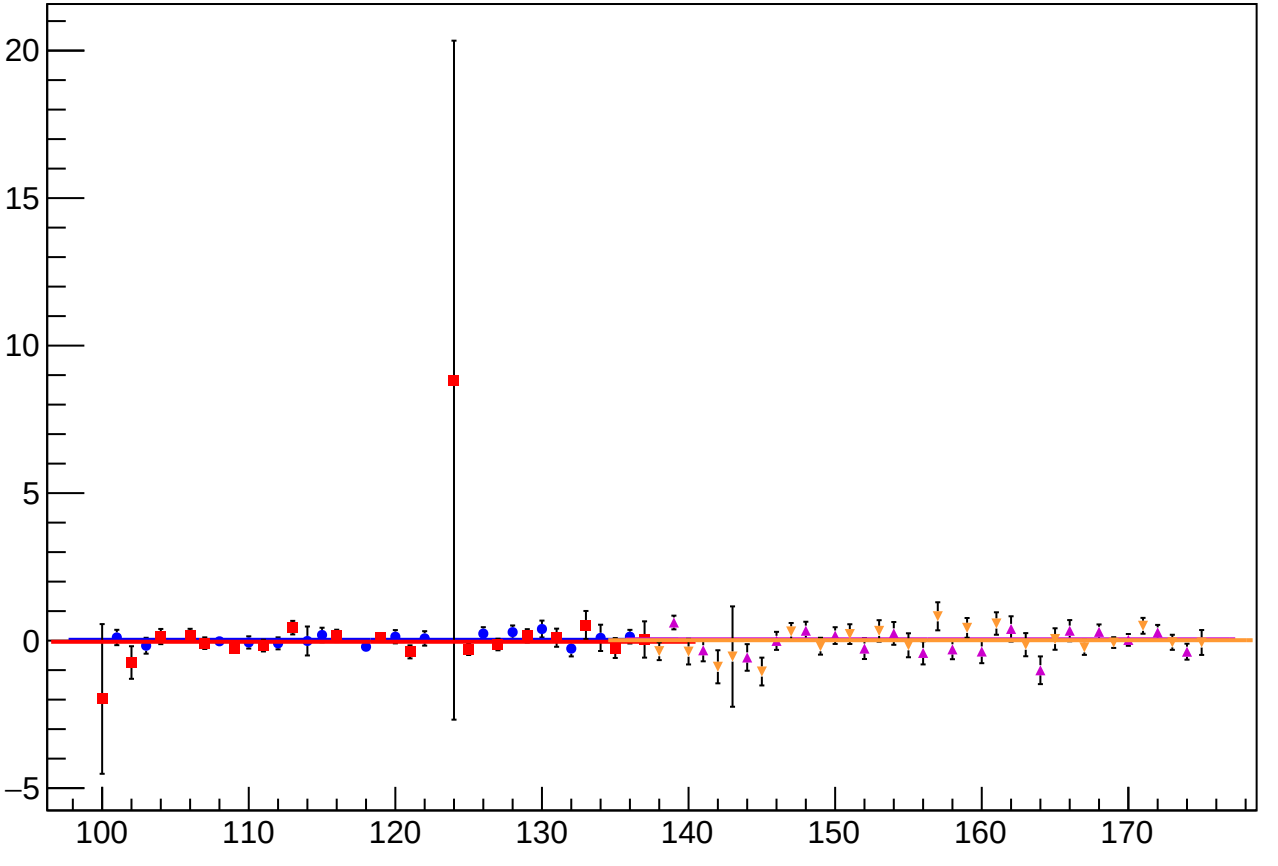
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10314569.2/33

Out: 0.006+/-0.000 χ^2/NDF:10035464.8/38

All: 0.006+/-0.000 χ^2/NDF: 20431261.5/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

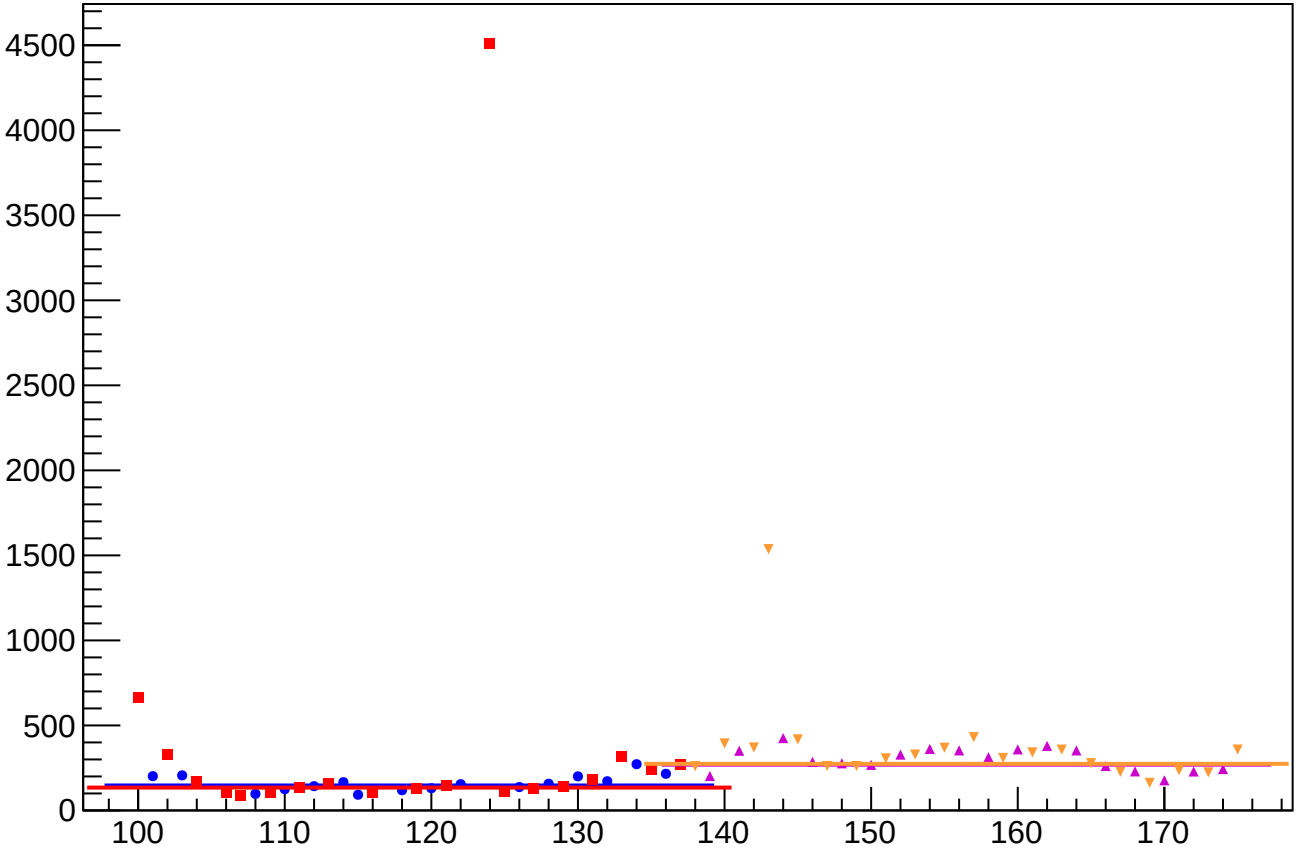
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

Left: 271.622+/-0.037 χ^2/NDF: 4743742.3/37

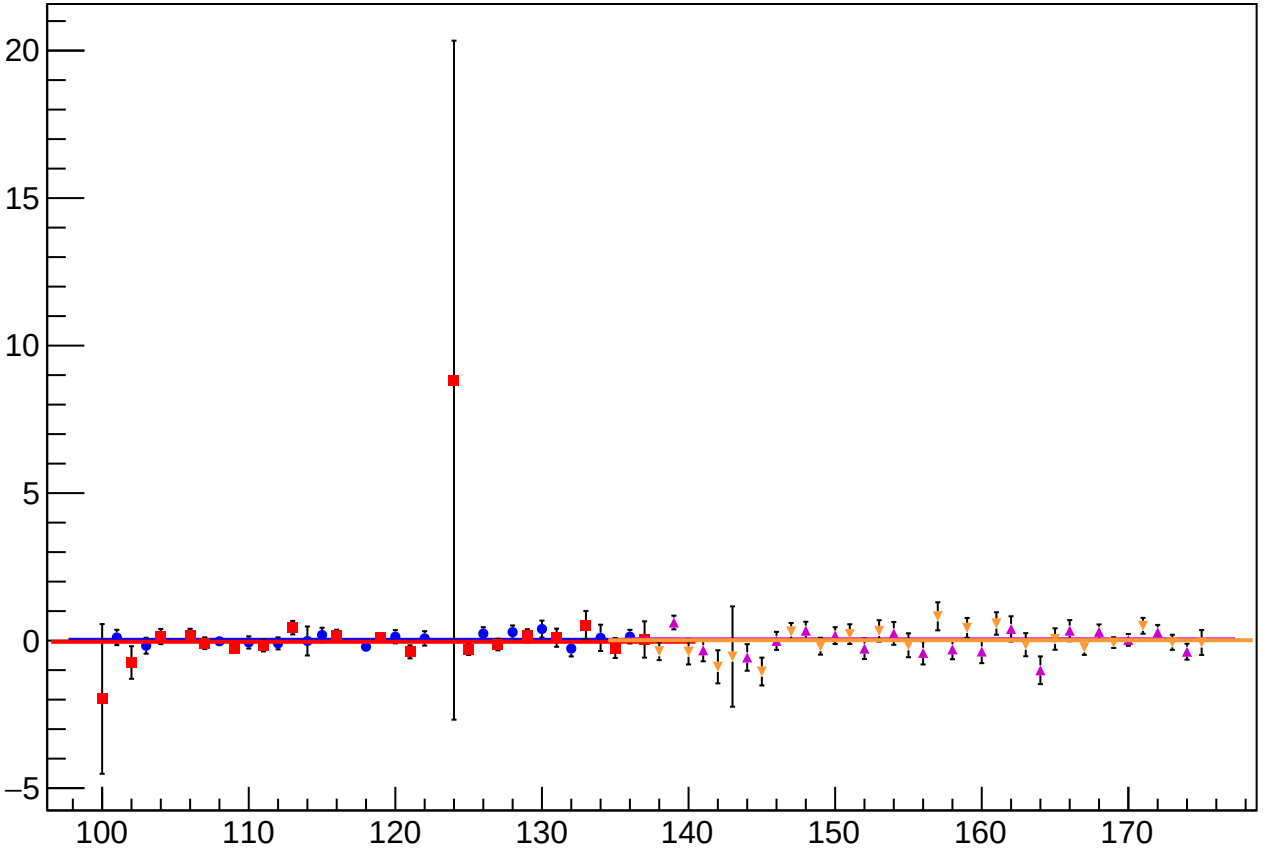
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.029+/-0.052 χ^2/NDF: 49.5/37

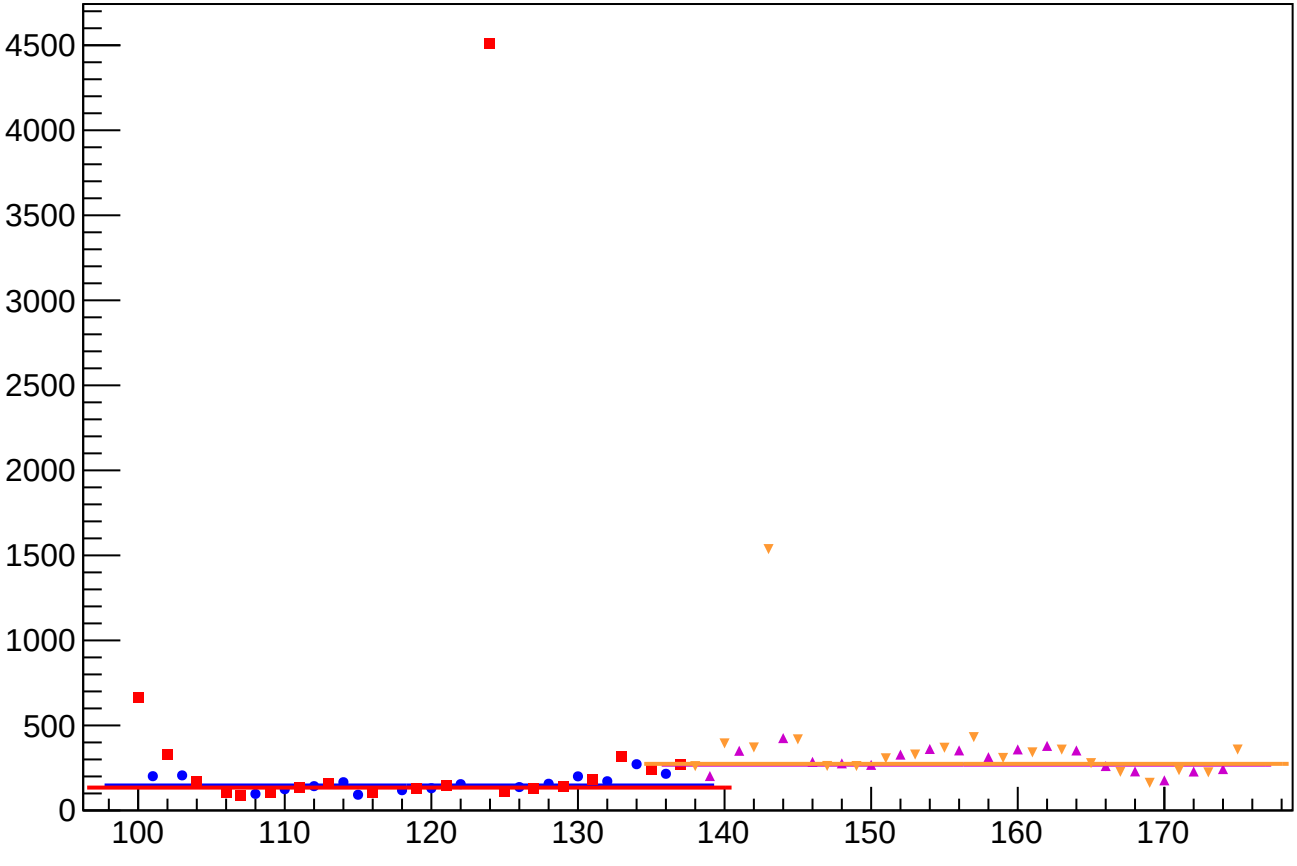
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.006+/-0.031 χ^2/NDF: 80.0/72

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

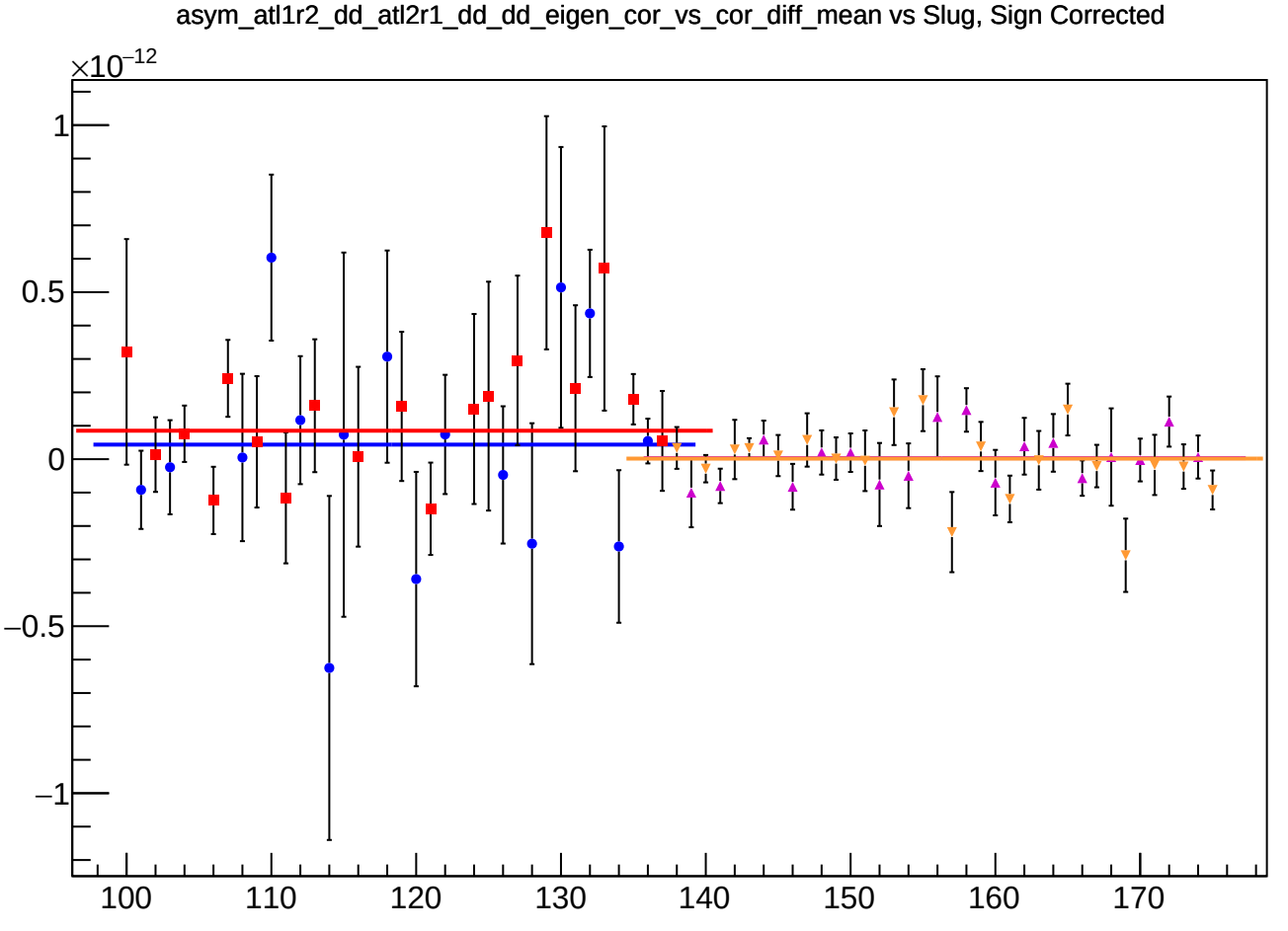
Left: 271.622+/-0.037 χ^2/NDF: 4743742.3/37

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.106+/-0.022 χ^2/NDF: 15507609.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

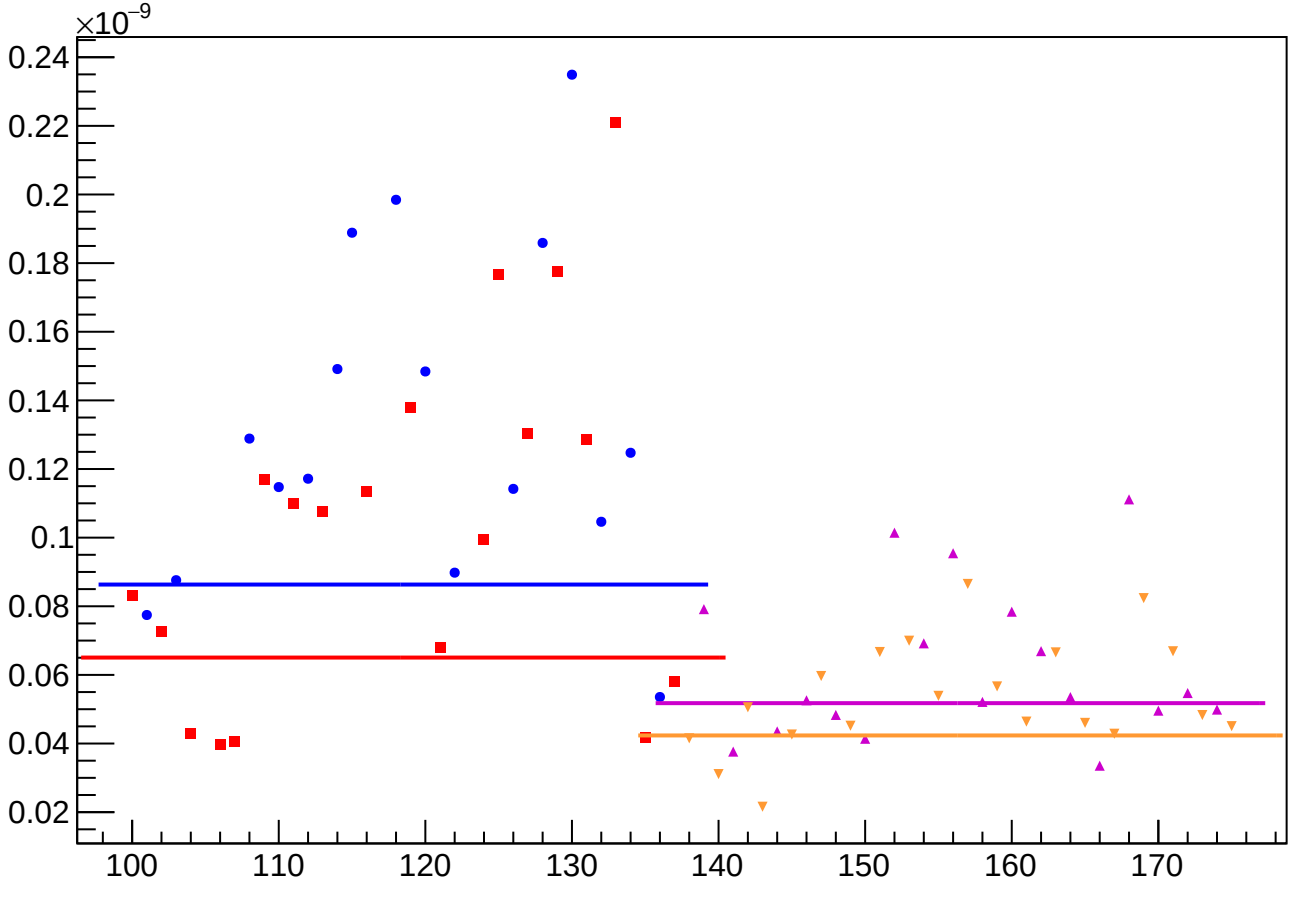
Left: 0.000+/-0.000 χ^2/NDF: 45.5/37

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/33

Out: 0.000+/-0.000 χ^2/NDF:51.4/38

All: 0.000+/-0.000 χ^2/NDF: 88.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

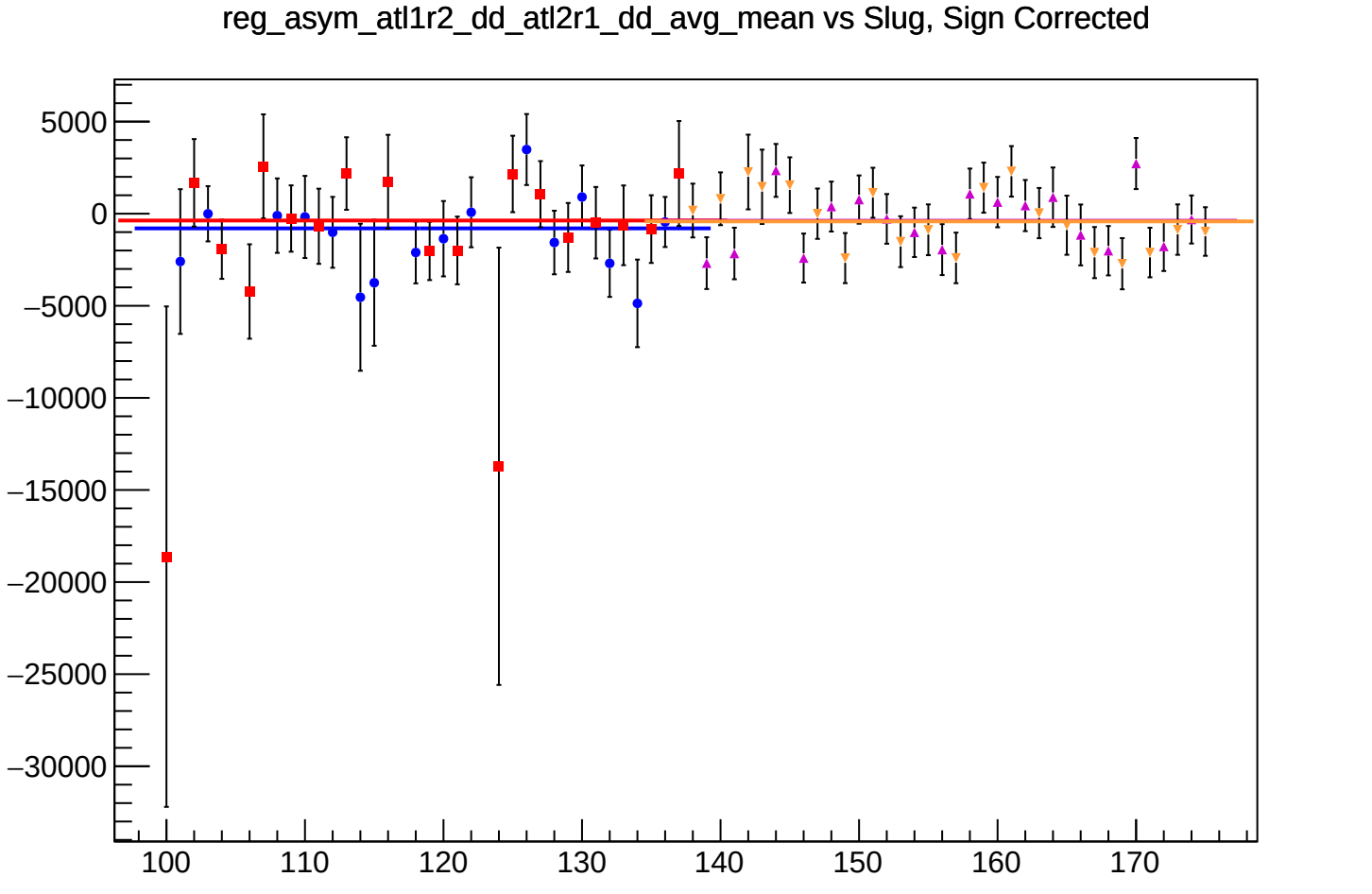
Left: 0.000+/-0.000 χ^2/NDF: 4716549.7/37

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4528513.2/33

Out: 0.000+/-0.000 χ^2/NDF:5432059.3/38

All: 0.000+/-0.000 χ^2/NDF: 10504649.2/72



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -382.635+/-326.503 χ^2/NDF:23.3/17

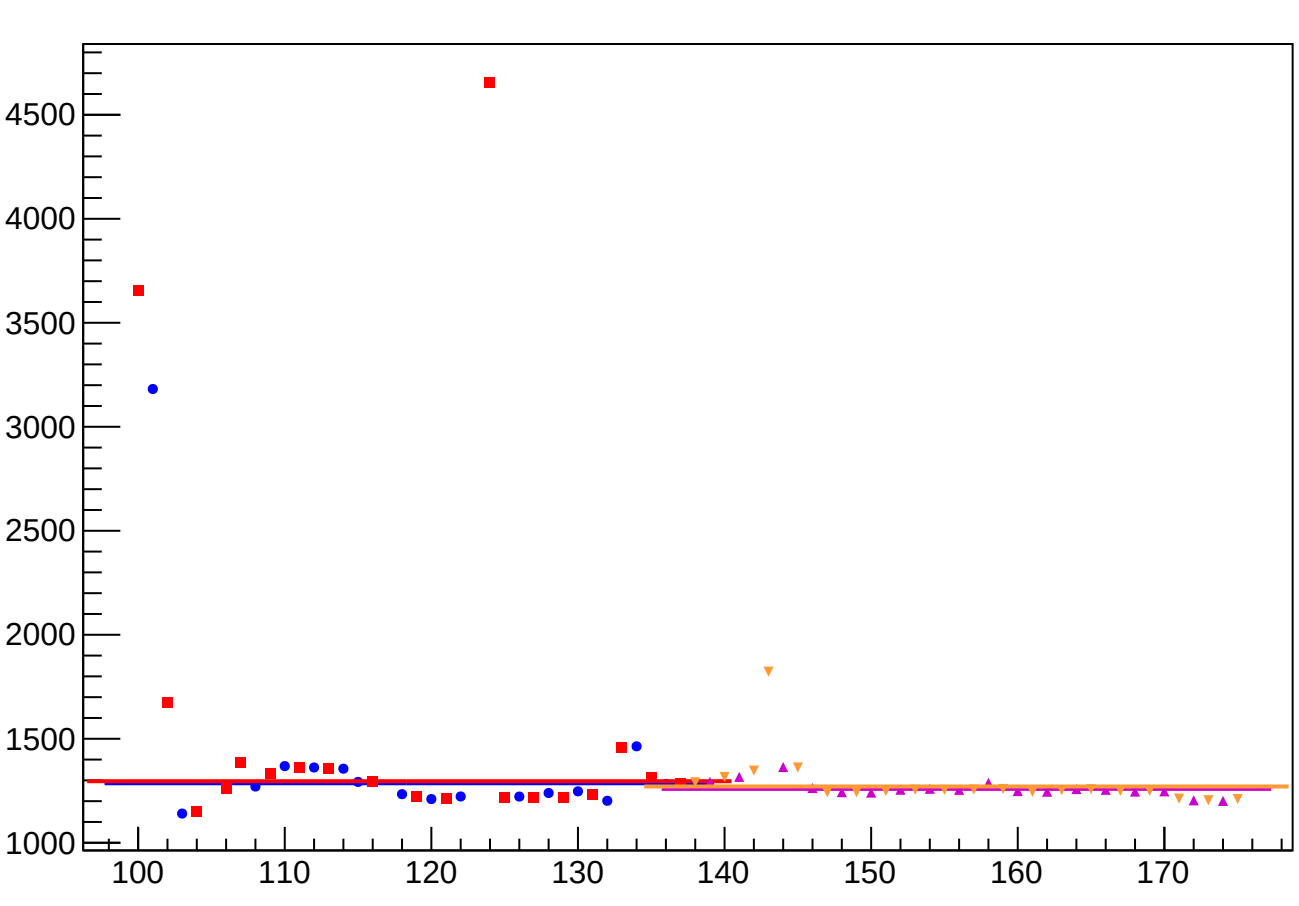
Left: -400.323+/-228.469 χ^2/NDF: 46.8/37

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -511.053+/-271.272 χ^2/NDF:37.2/33

Out: -402.999+/-267.127 χ^2/NDF:39.1/38

All: -456.194+/-190.336 χ^2/NDF: 76.4/72



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1264.969+/-0.162 χ^2/NDF: 206120.1/37

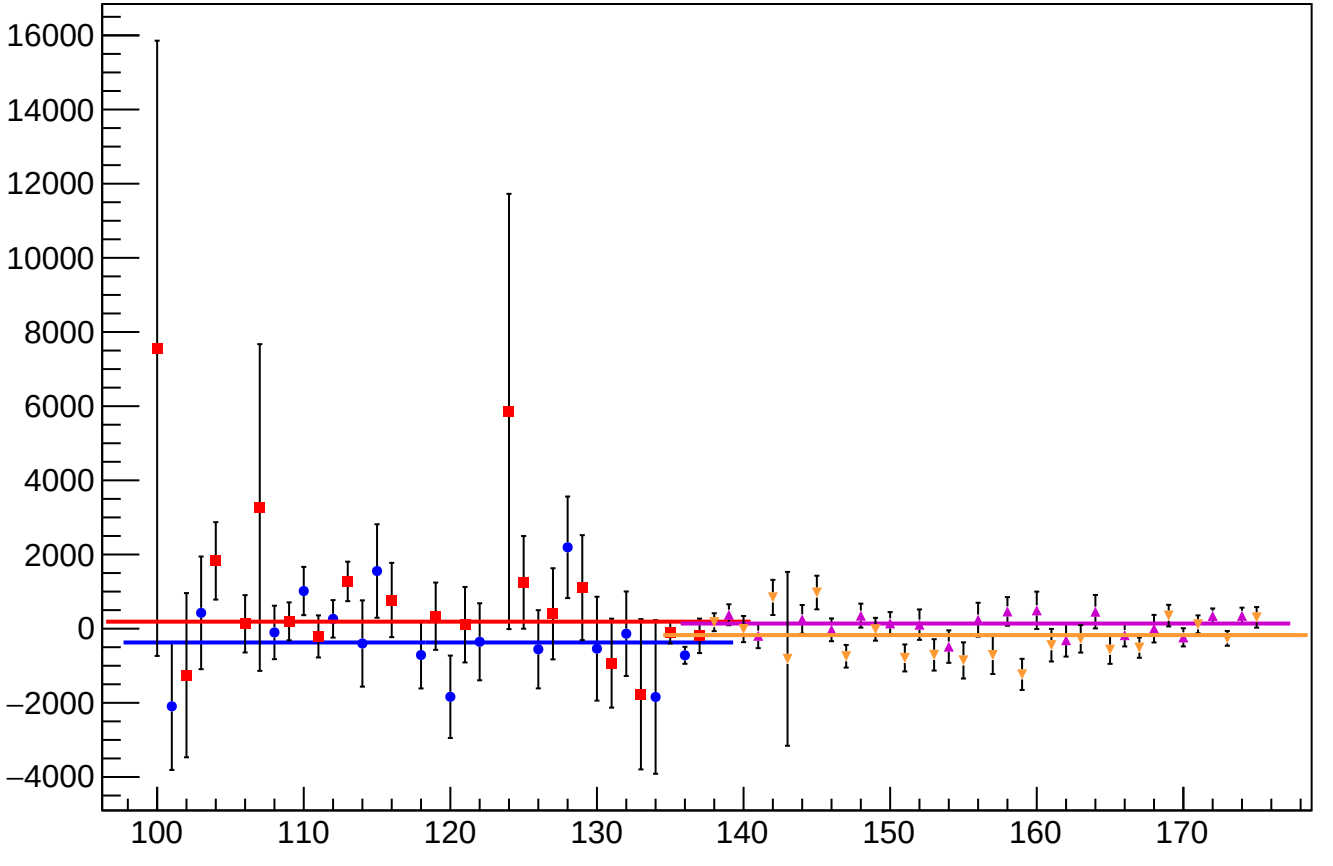
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1267.422+/-0.192 χ^2/NDF:547203.9/33

Out: 1278.299+/-0.189 χ^2/NDF:511855.8/38

All: 1272.944+/-0.135 χ^2/NDF: 1060692.4/72

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -173.360+/-74.015 χ^2/NDF:41.9/19

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 138.419+/-75.356 χ^2/NDF:12.8/17

Left: -20.269+/-52.804 χ^2/NDF: 63.4/37

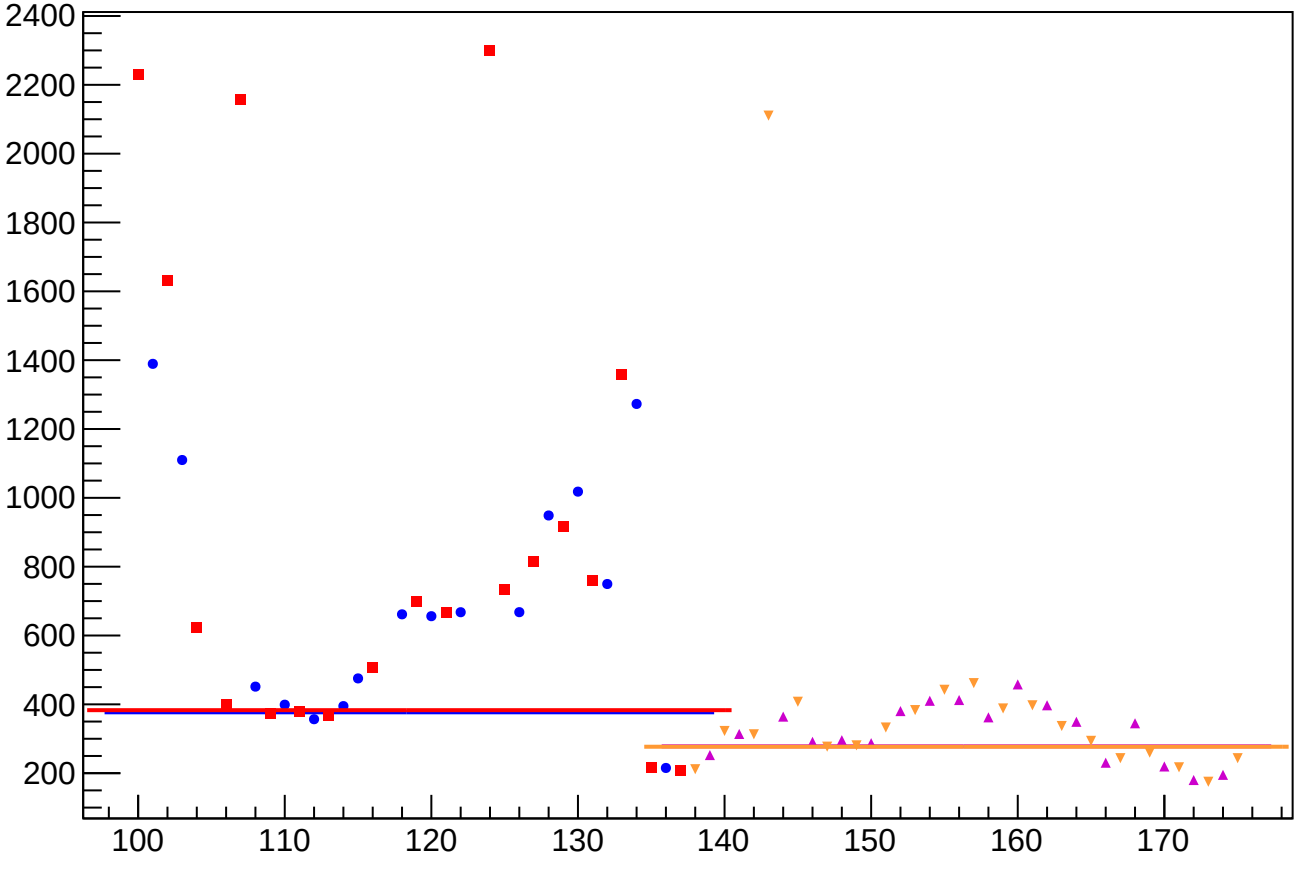
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 53.044+/-68.770 χ^2/NDF:38.6/33

Out: -115.383+/-67.835 χ^2/NDF:60.4/38

All: -32.322+/-48.294 χ^2/NDF: 102.0/72

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 276.848+/-0.052 χ^2/NDF:3300805.1/19

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

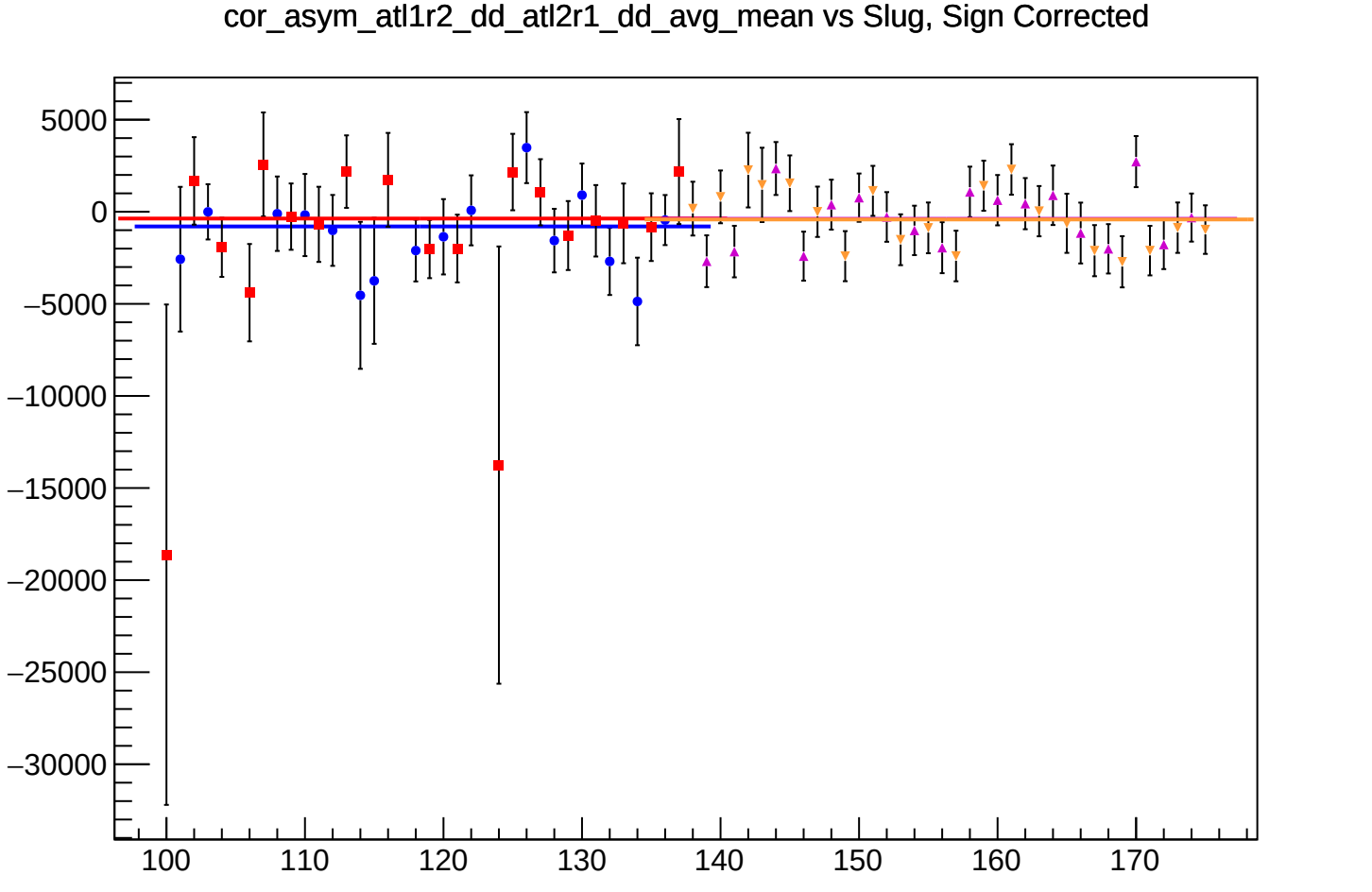
Left: 277.415+/-0.037 χ^2/NDF: 5466425.9/37

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.534+/-0.049 χ^2/NDF:6931297.0/33

Out: 293.846+/-0.048 χ^2/NDF:8014154.6/38

All: 294.185+/-0.034 χ^2/NDF: 14945553.0/72



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

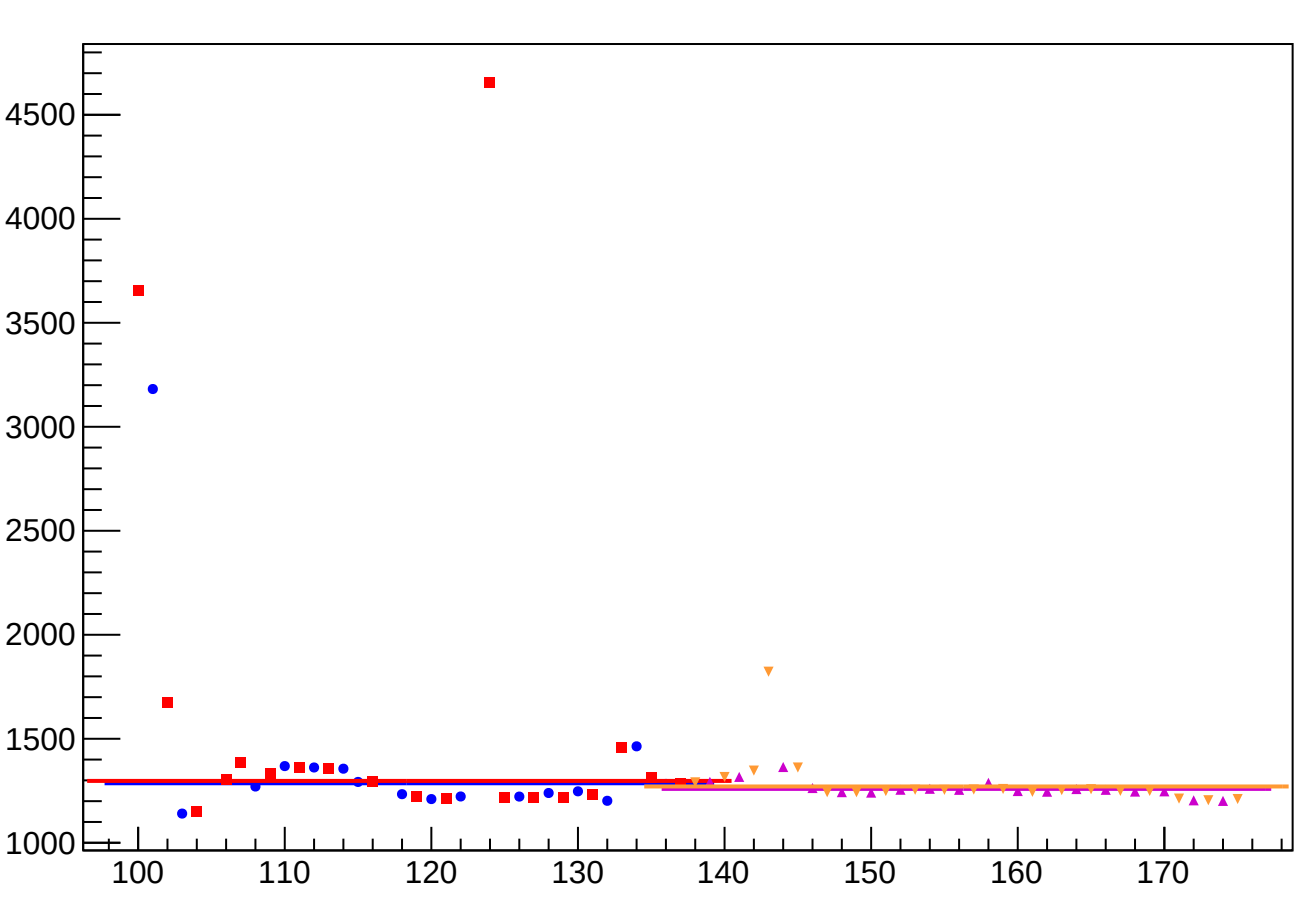
Left: -400.277+/-228.469 χ^2/NDF: 46.8/37

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -455.741+/-190.367 χ^2/NDF: 76.5/72



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1264.969+/-0.162 χ^2/NDF: 206120.1/37

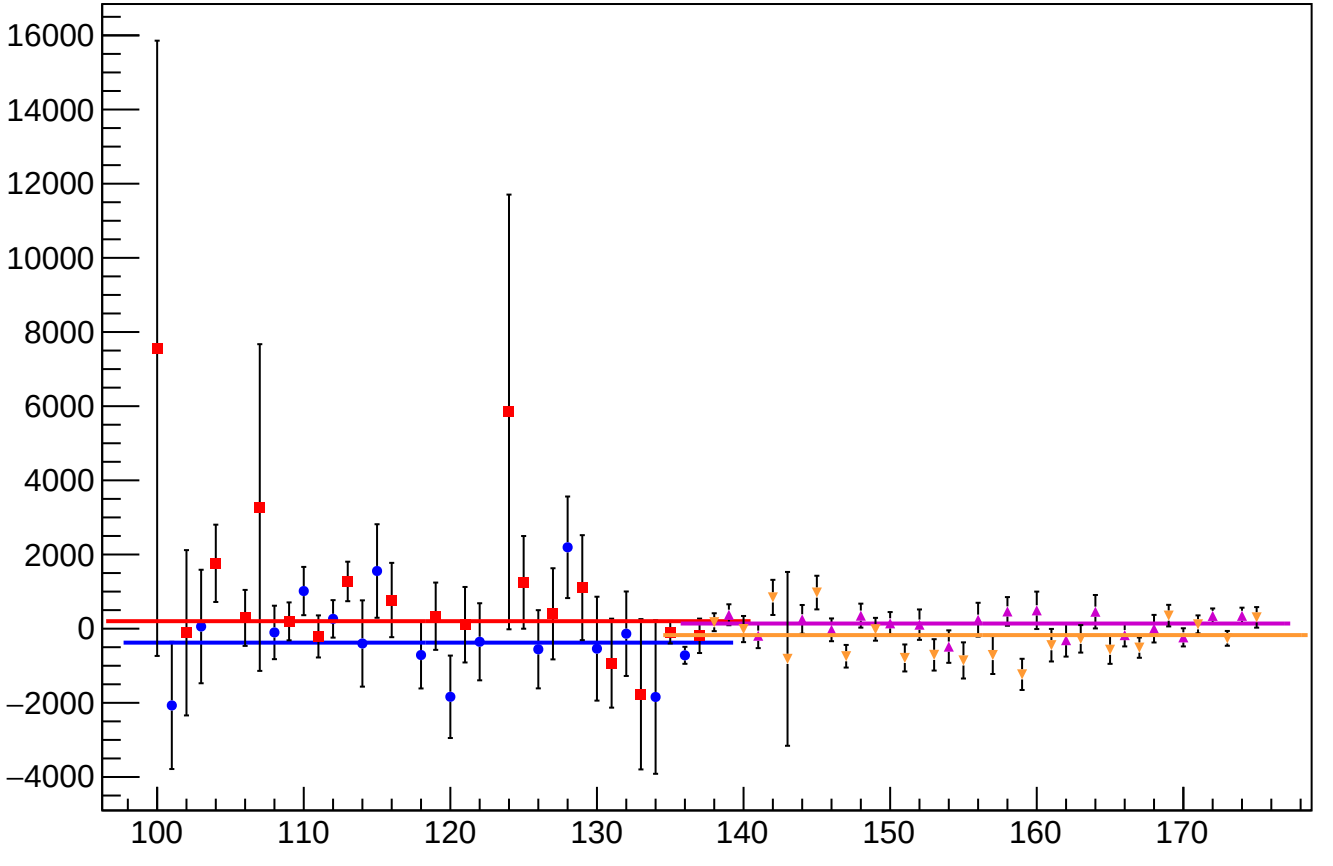
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -20.222+/-52.806 χ^2/NDF: 63.4/37

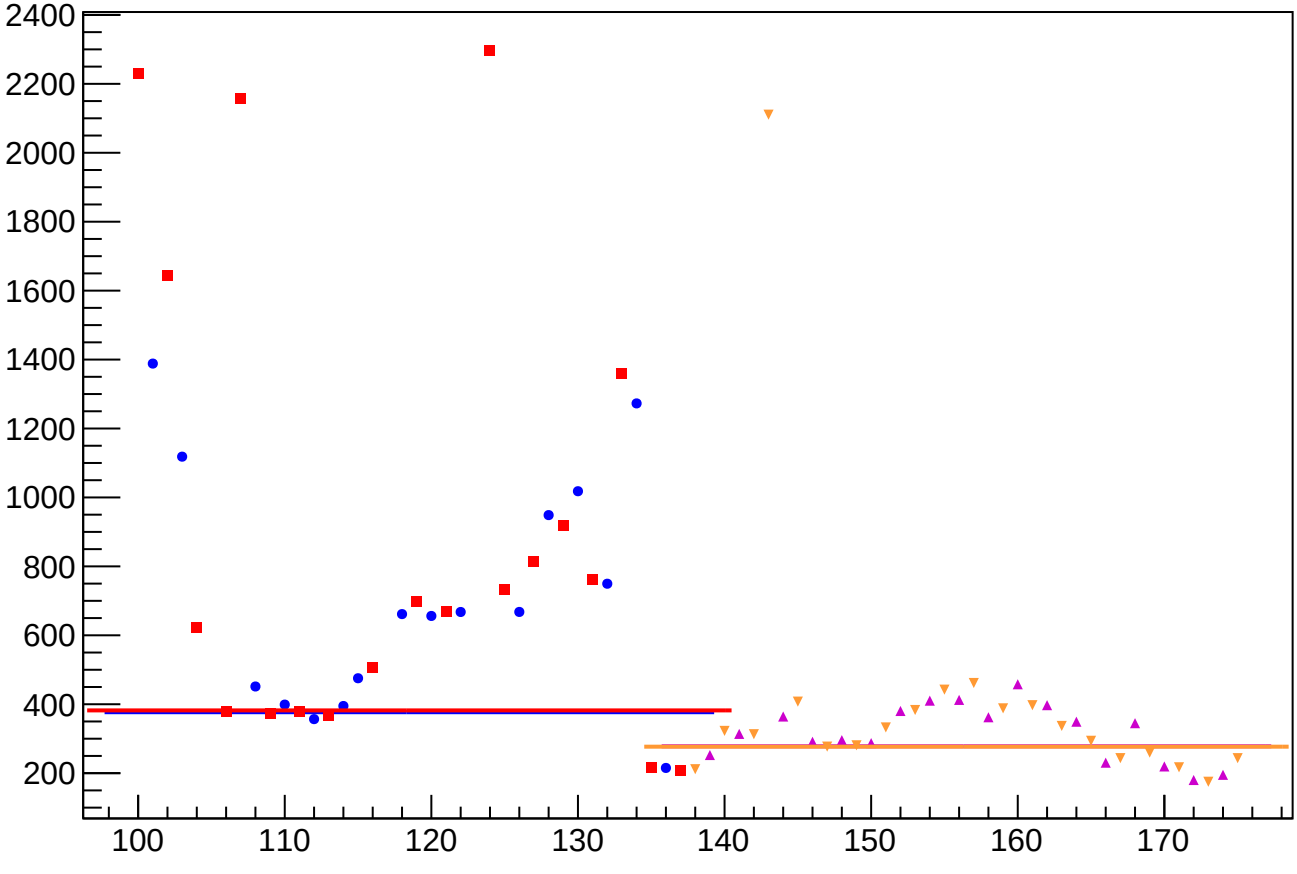
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.528+/-48.291 χ^2/NDF: 101.5/72

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

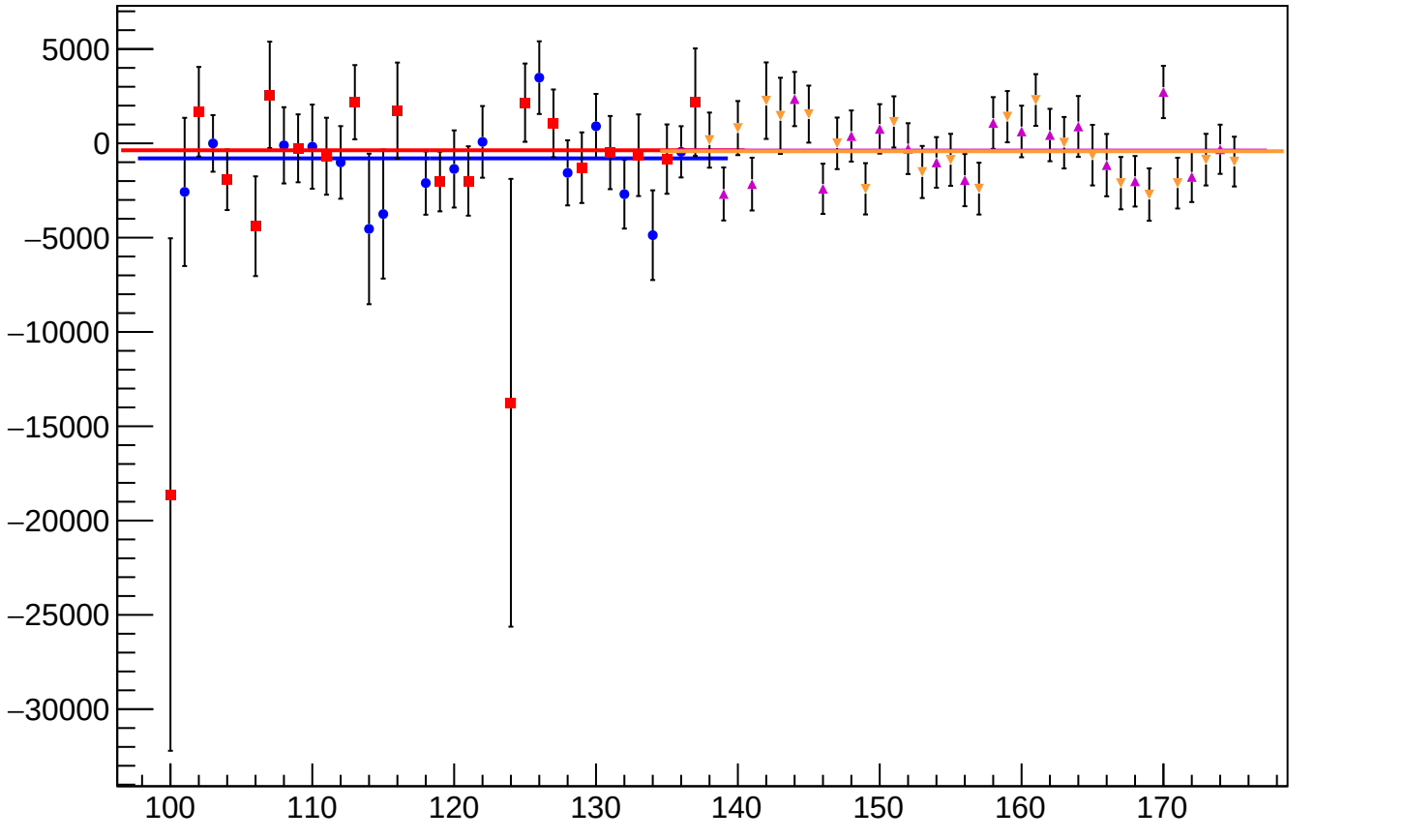
Left: 277.424+/-0.037 χ^2/NDF: 5466013.3/37

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

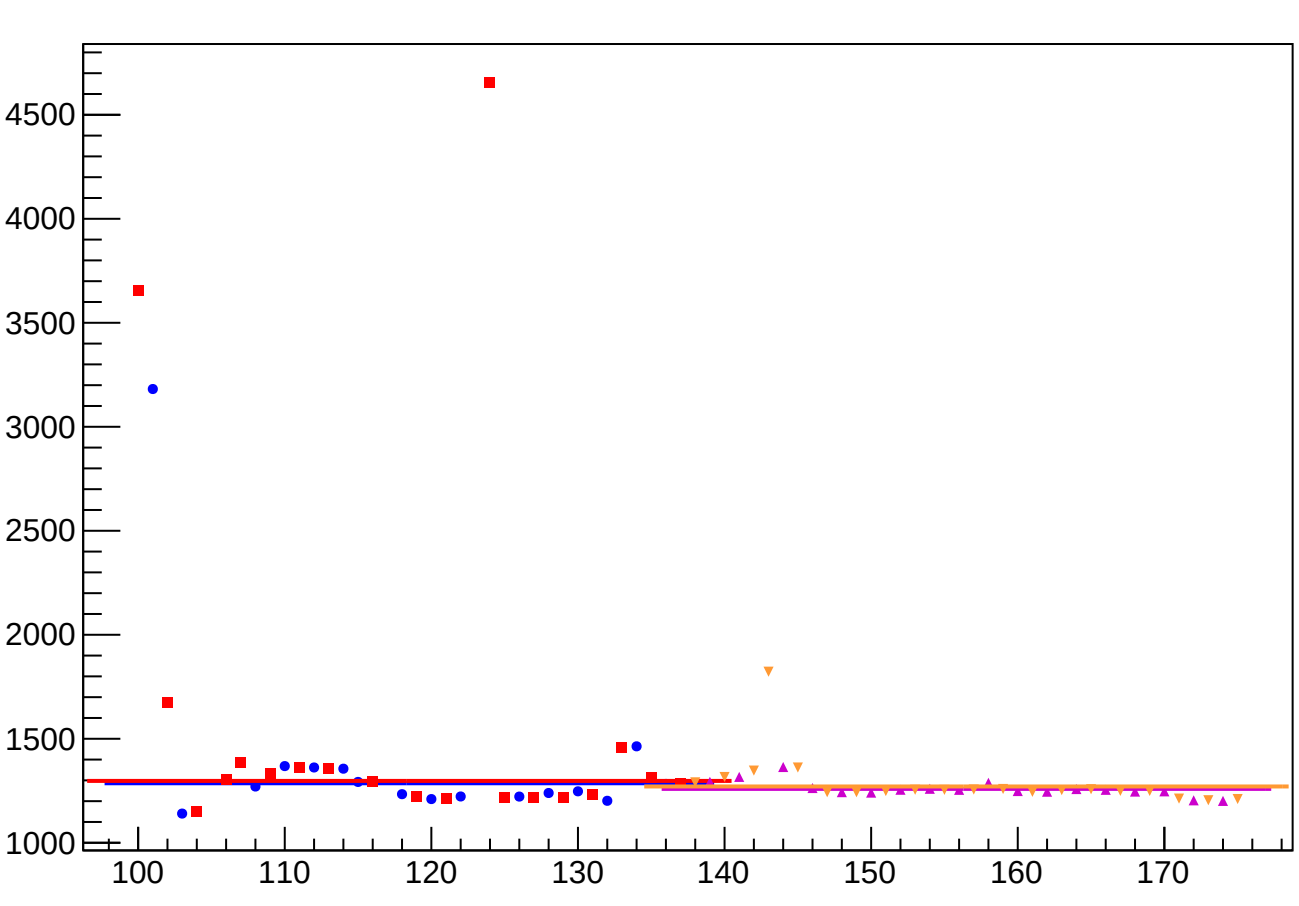
Left: -400.277+/-228.469 χ^2/NDF: 46.8/37

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -455.741+/-190.367 χ^2/NDF: 76.5/72



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1264.969+/-0.162 χ^2/NDF: 206120.1/37

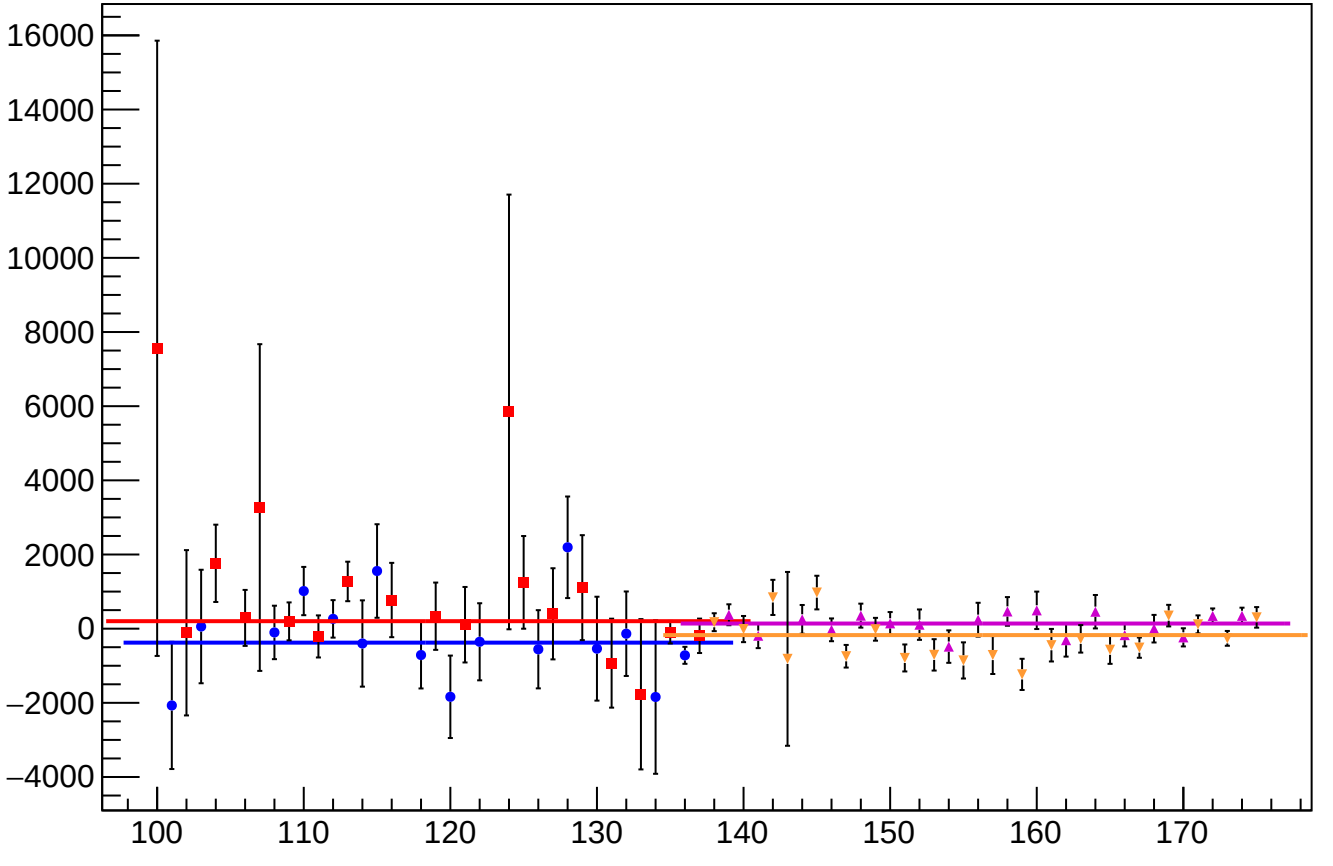
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1273.159+/-0.135 χ^2/NDF: 1060935.5/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -20.222+/-52.806 χ^2/NDF: 63.4/37

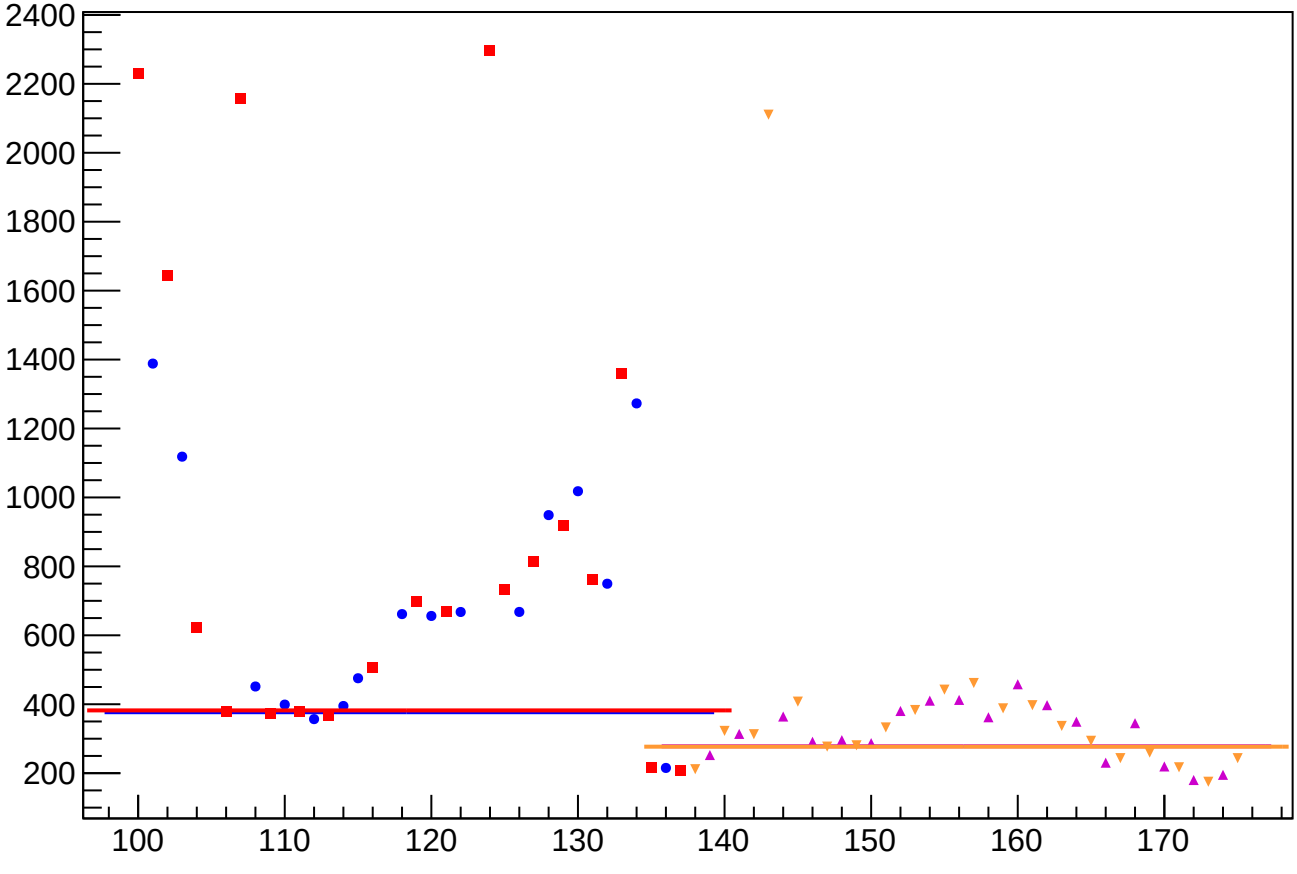
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.528+/-48.291 χ^2/NDF: 101.5/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

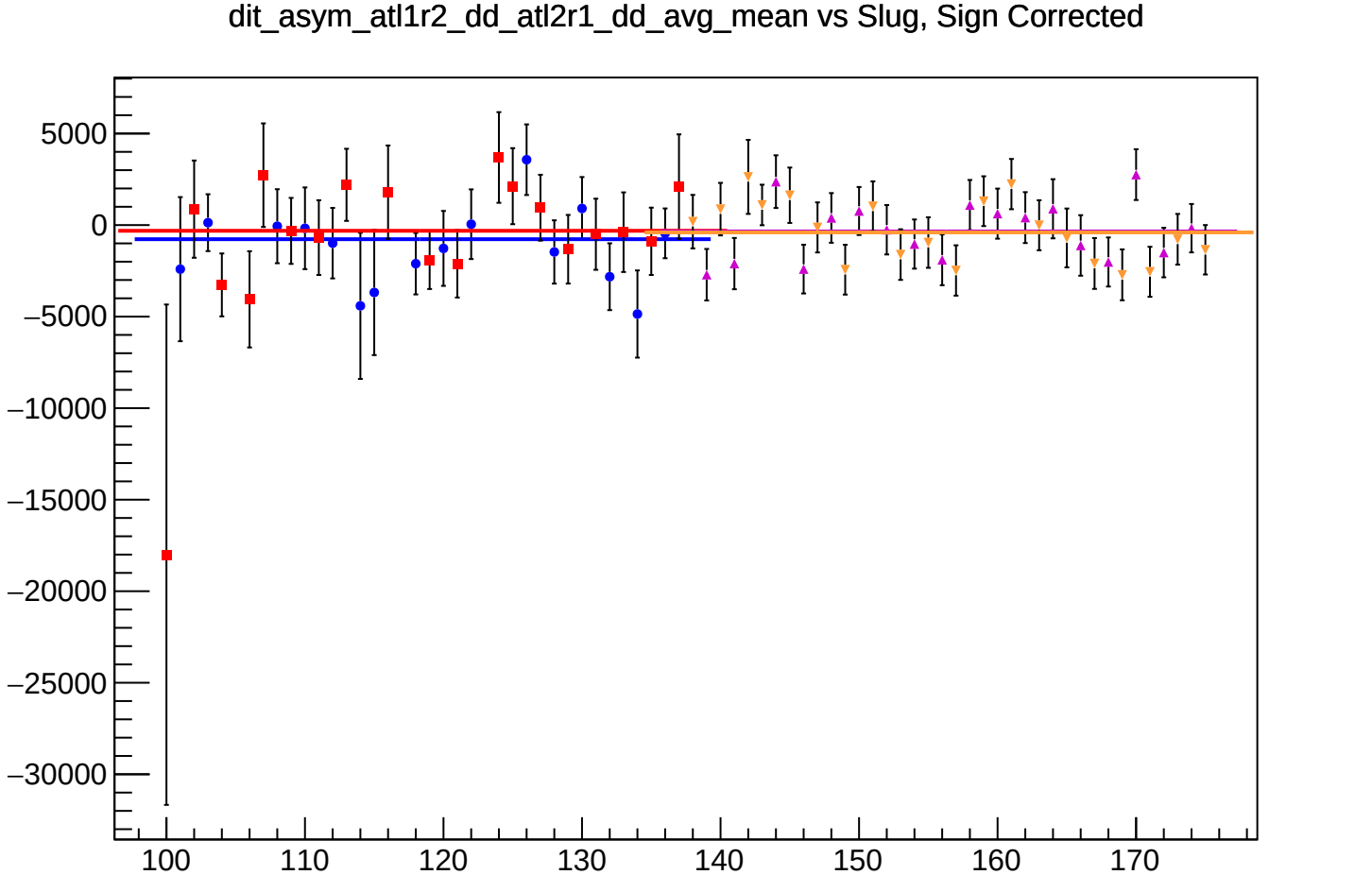
Left: 277.424+/-0.037 χ^2/NDF: 5466013.3/37

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 294.131+/-0.034 χ^2/NDF: 14943052.7/72



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -347.668+/-327.223 χ^2/NDF:22.9/17

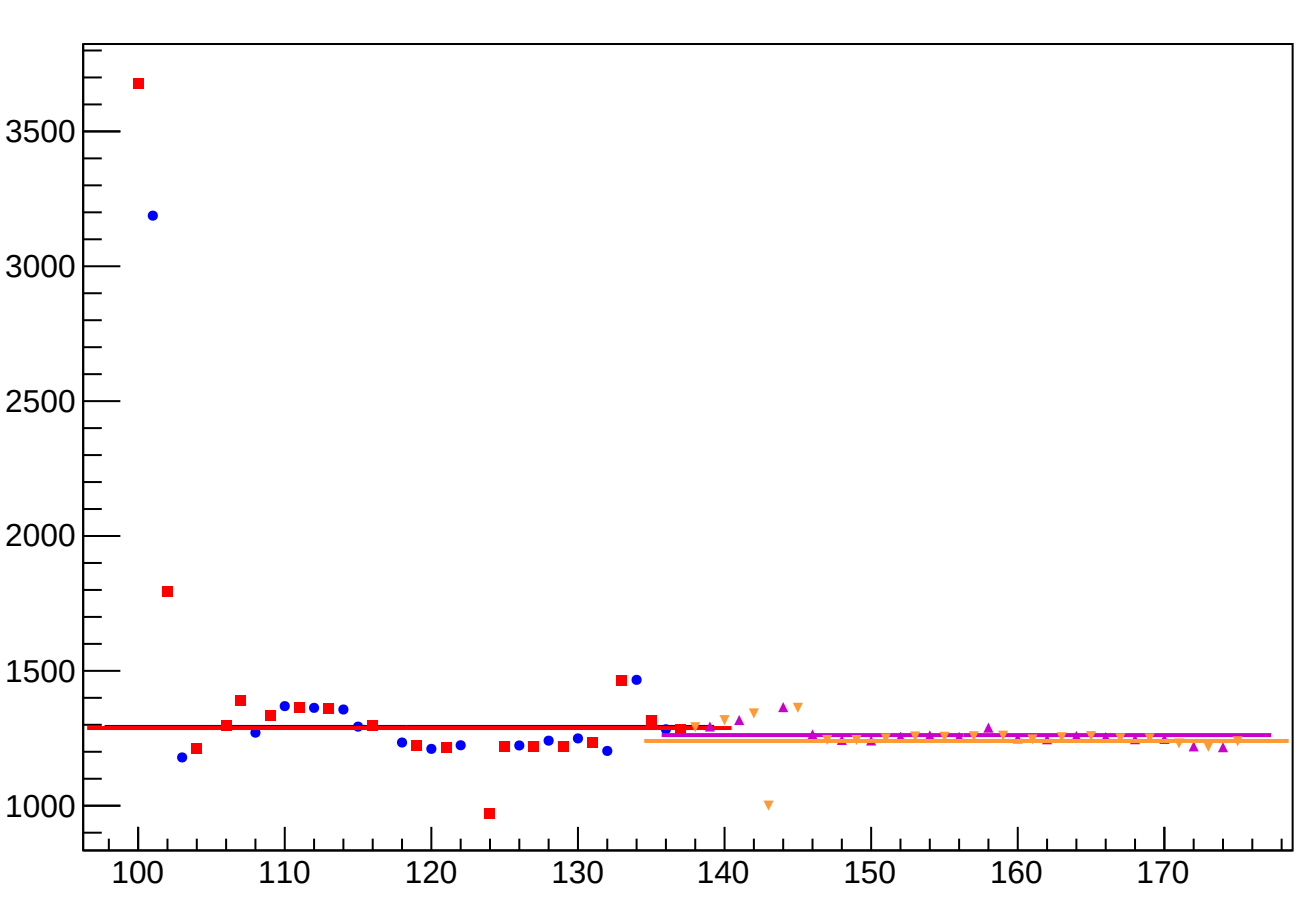
Left: -375.052+/-225.745 χ^2/NDF: 49.1/37

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -478.532+/-272.055 χ^2/NDF:37.0/33

Out: -373.857+/-261.922 χ^2/NDF:44.1/38

All: -424.209+/-188.688 χ^2/NDF: 81.2/72



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

Left: 1250.450+/-0.160 χ^2/NDF: 149058.3/37

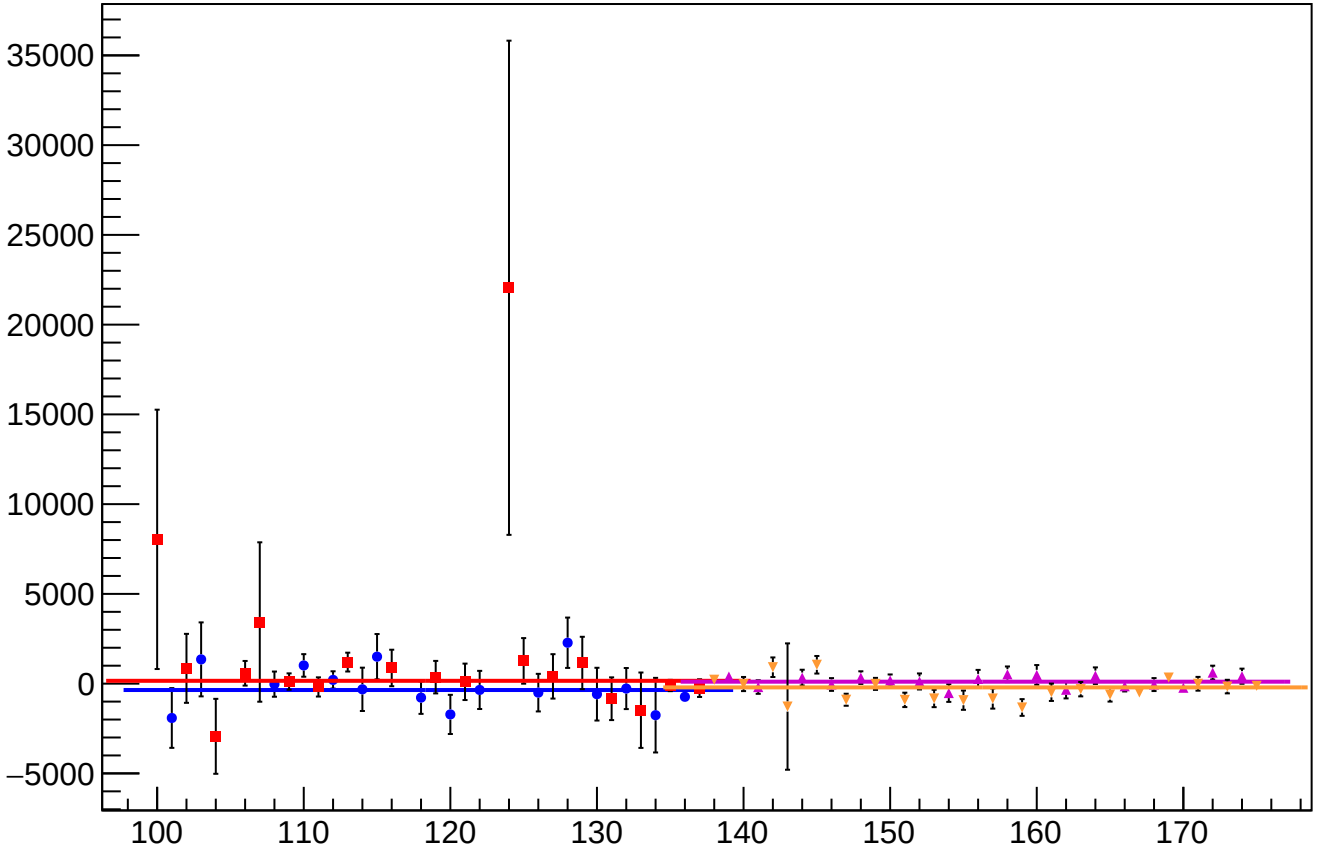
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.197+/-0.192 χ^2/NDF:536095.5/33

Out: 1254.177+/-0.185 χ^2/NDF:346070.9/38

All: 1262.364+/-0.133 χ^2/NDF: 886228.4/72

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -208.923+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 109.070+/-87.398 χ^2/NDF:12.4/17

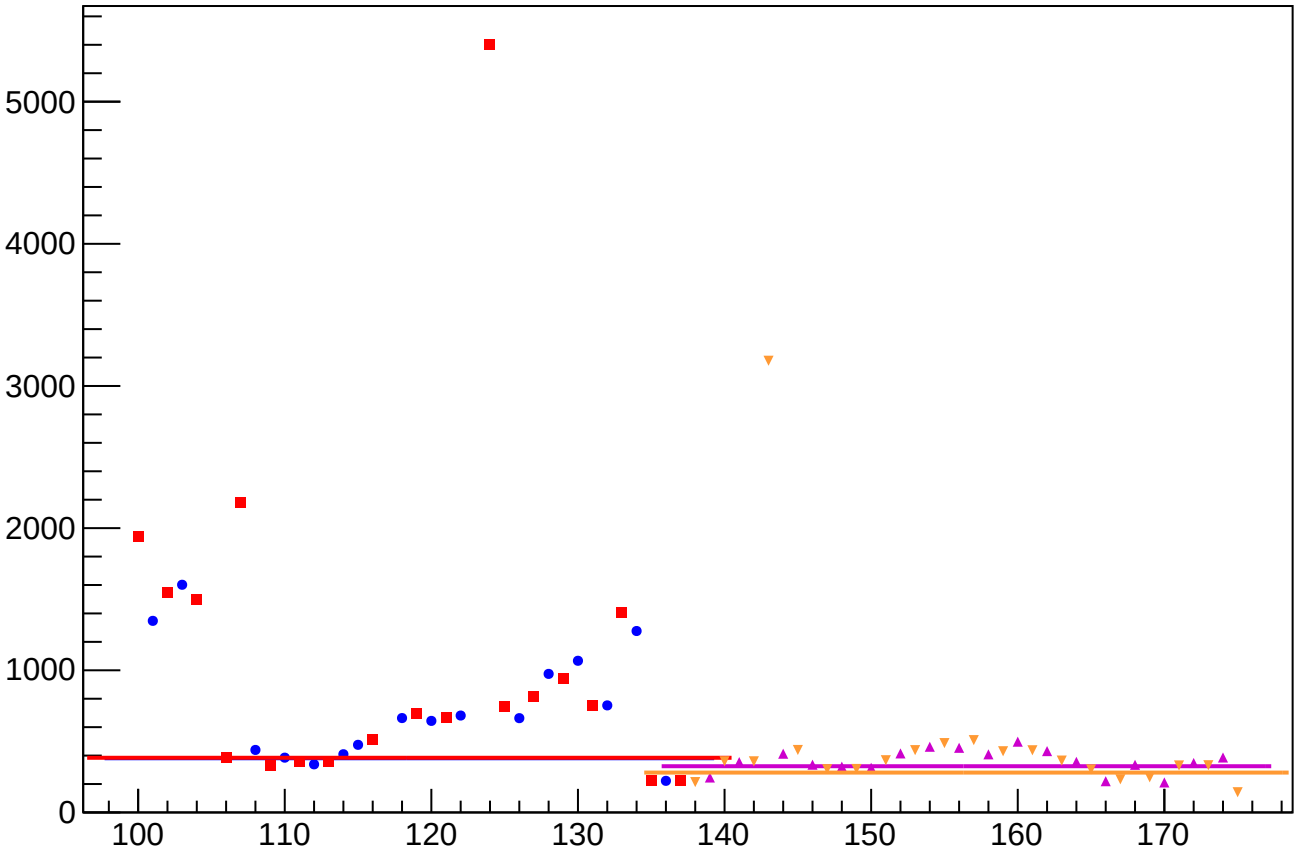
Left: -69.178+/-57.938 χ^2/NDF: 59.1/37

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 11.982+/-77.725 χ^2/NDF:36.7/33

Out: -145.749+/-70.407 χ^2/NDF:59.0/38

All: -74.656+/-52.181 χ^2/NDF: 98.0/72



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

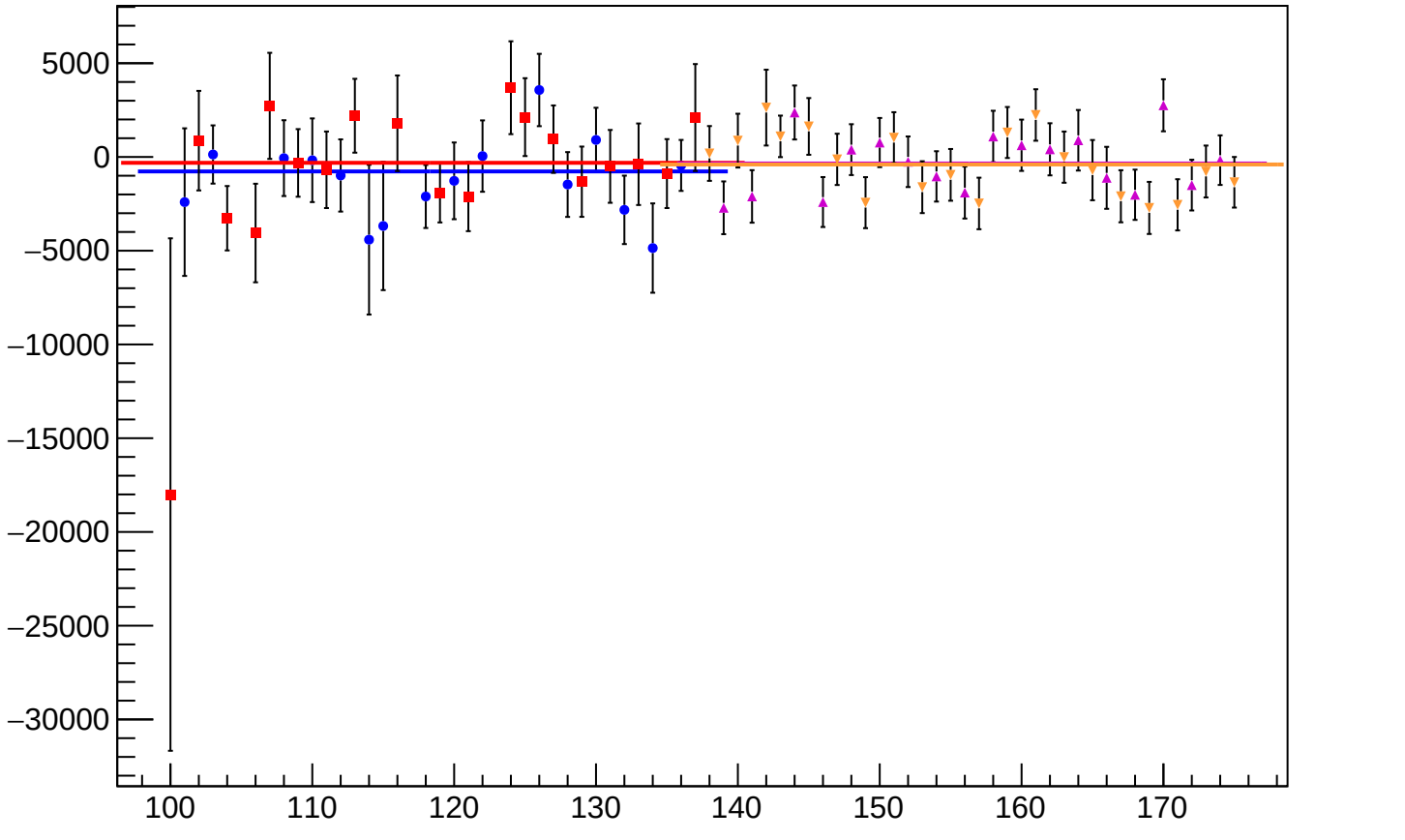
Left: 300.182+/-0.041 χ^2/NDF: 7015261.4/37

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 336.984+/-0.055 χ^2/NDF:6283565.6/33

Out: 298.457+/-0.050 χ^2/NDF:10112054.8/38

All: 315.822+/-0.037 χ^2/NDF: 16665528.5/72



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.921+/-311.835 χ^2/NDF:26.1/19

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -347.668+/-327.223 χ^2/NDF:22.9/17

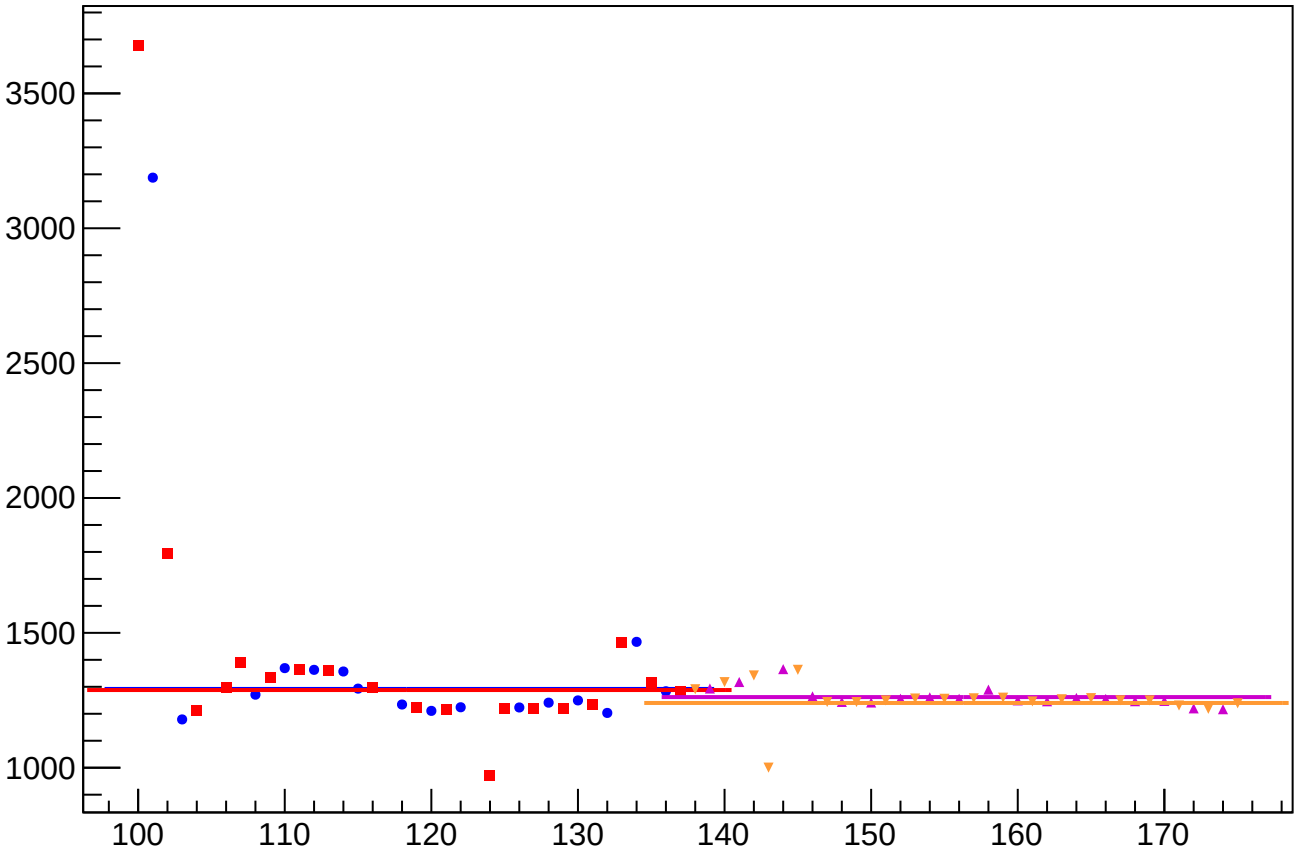
Left: -375.052+/-225.745 χ^2/NDF: 49.1/37

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -478.533+/-272.055 χ^2/NDF:37.0/33

Out: -373.857+/-261.922 χ^2/NDF:44.1/38

All: -424.209+/-188.688 χ^2/NDF: 81.2/72



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

Left: 1250.450+/-0.160 χ^2/NDF: 149057.7/37

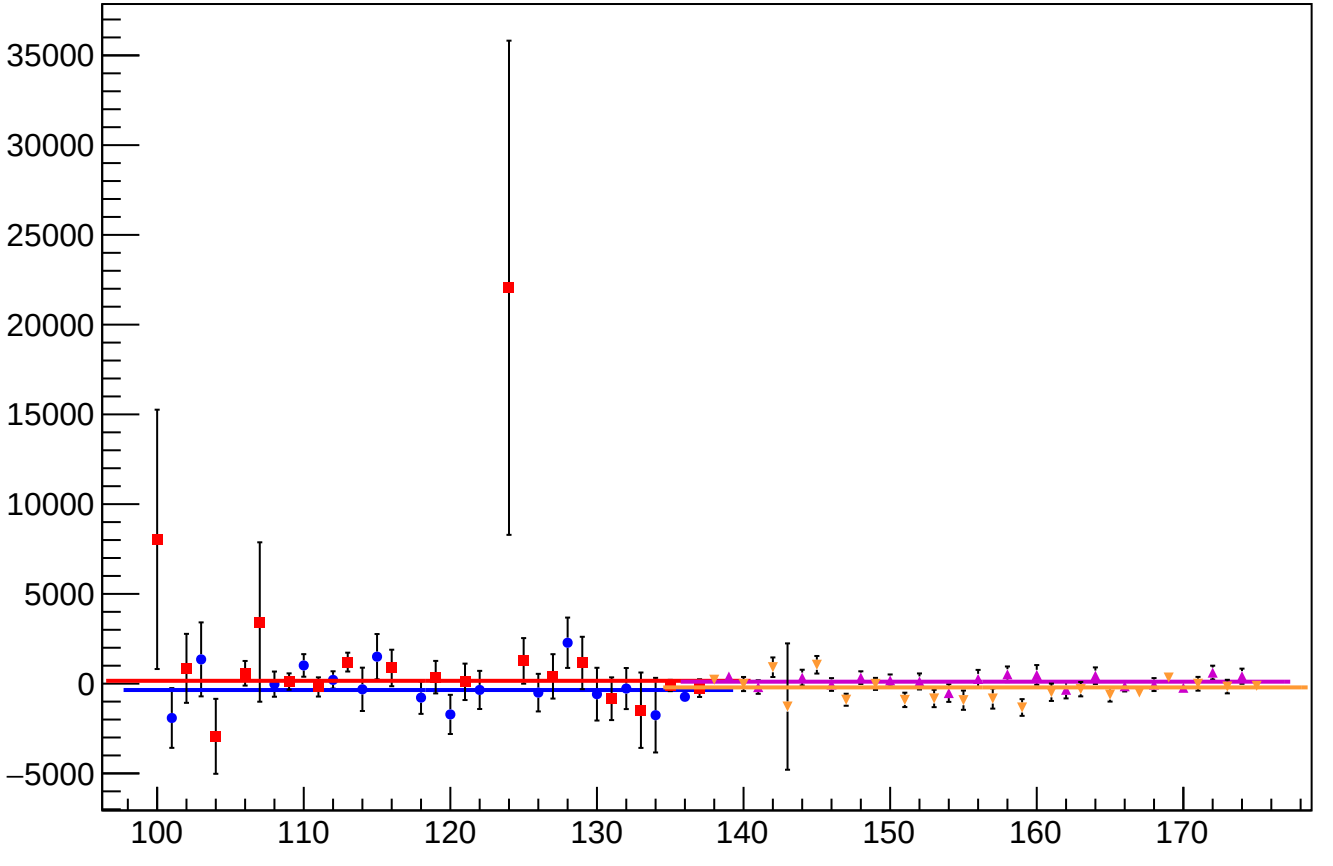
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.197+/-0.192 χ^2/NDF:536095.6/33

Out: 1254.177+/-0.185 χ^2/NDF:346070.4/38

All: 1262.364+/-0.133 χ^2/NDF: 886227.9/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -208.928+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 109.068+/-87.398 χ^2/NDF:12.4/17

Left: -69.181+/-57.938 χ^2/NDF: 59.1/37

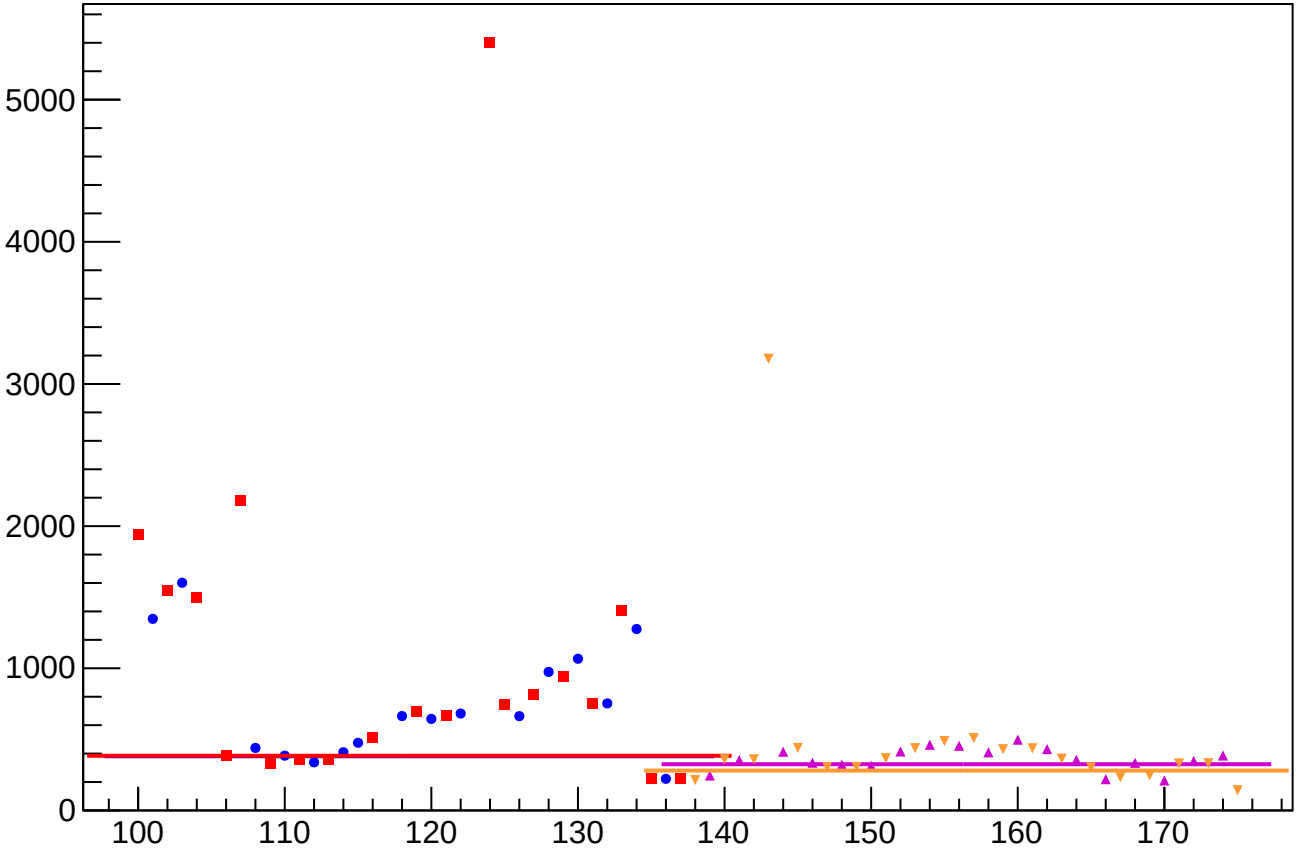
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 11.983+/-77.725 χ^2/NDF:36.7/33

Out: -145.753+/-70.408 χ^2/NDF:59.0/38

All: -74.658+/-52.182 χ^2/NDF: 98.0/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

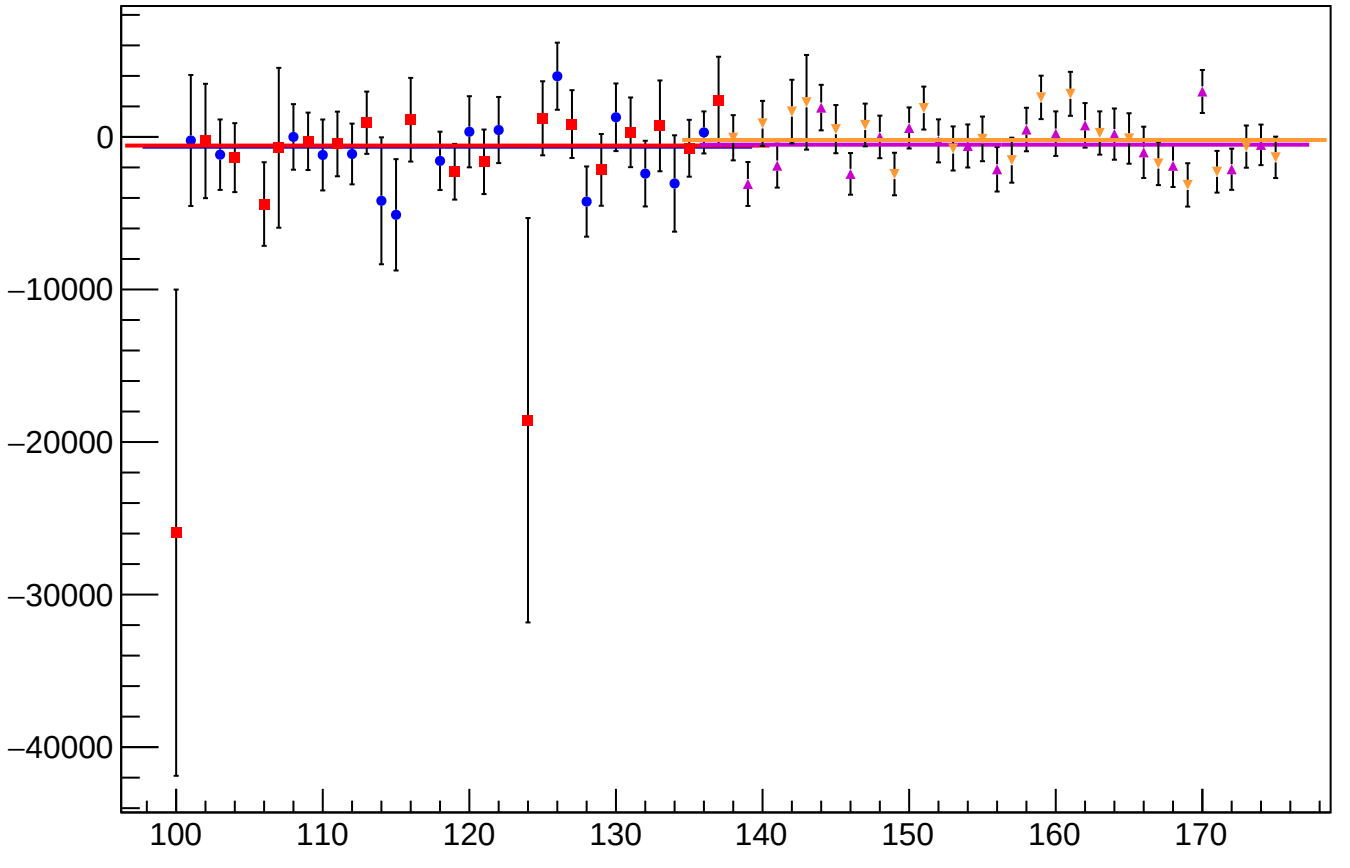
Left: 300.184+/-0.041 χ^2/NDF: 7015102.2/37

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 336.986+/-0.055 χ^2/NDF:6283363.0/33

Out: 298.460+/-0.050 χ^2/NDF:10111886.5/38

All: 315.825+/-0.037 χ^2/NDF: 16665159.2/72



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -507.426+/-337.810 χ^2/NDF:21.1/17

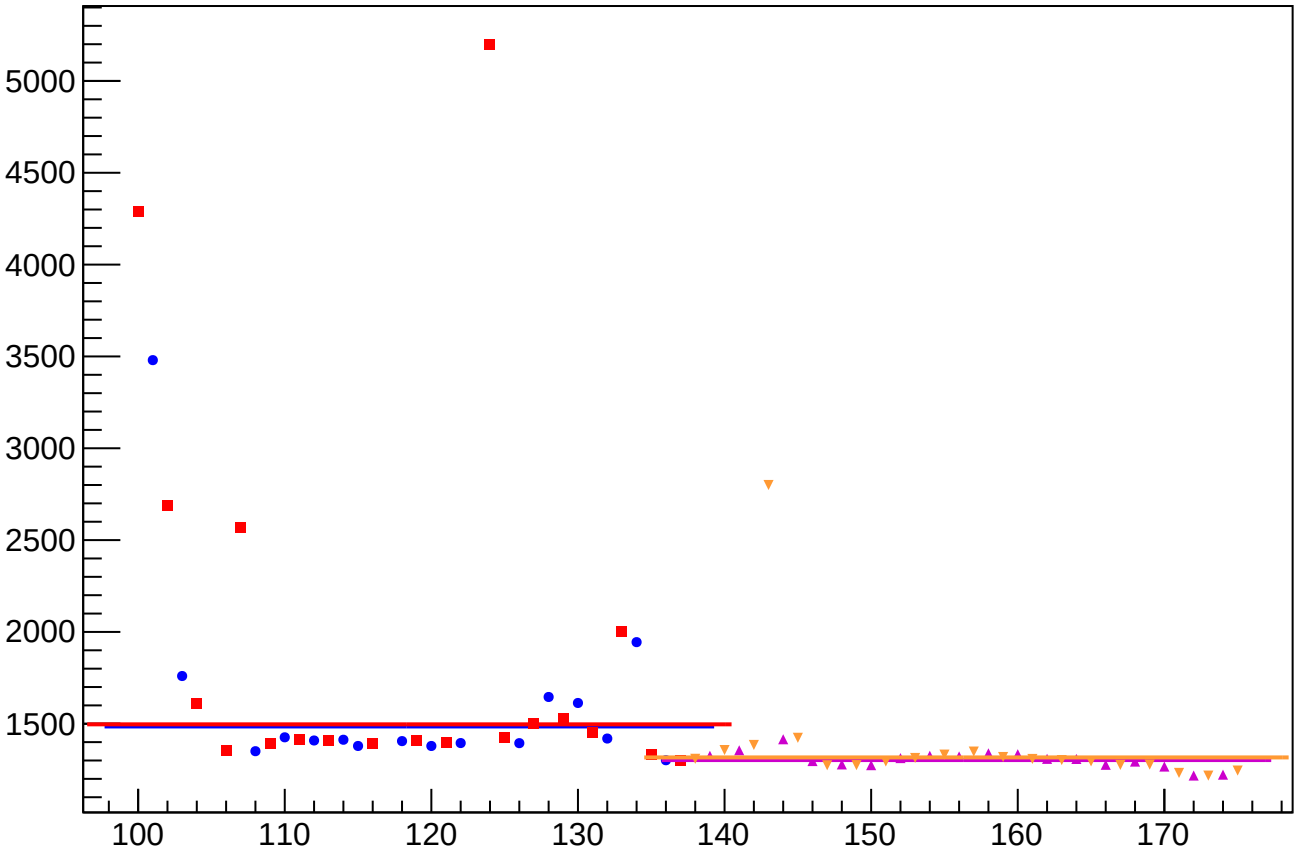
Left: -350.922+/-237.197 χ^2/NDF: 46.8/37

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -542.613+/-289.853 χ^2/NDF:33.6/33

Out: -293.349+/-287.197 χ^2/NDF:37.0/38

All: -416.834+/-204.012 χ^2/NDF: 70.9/72



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

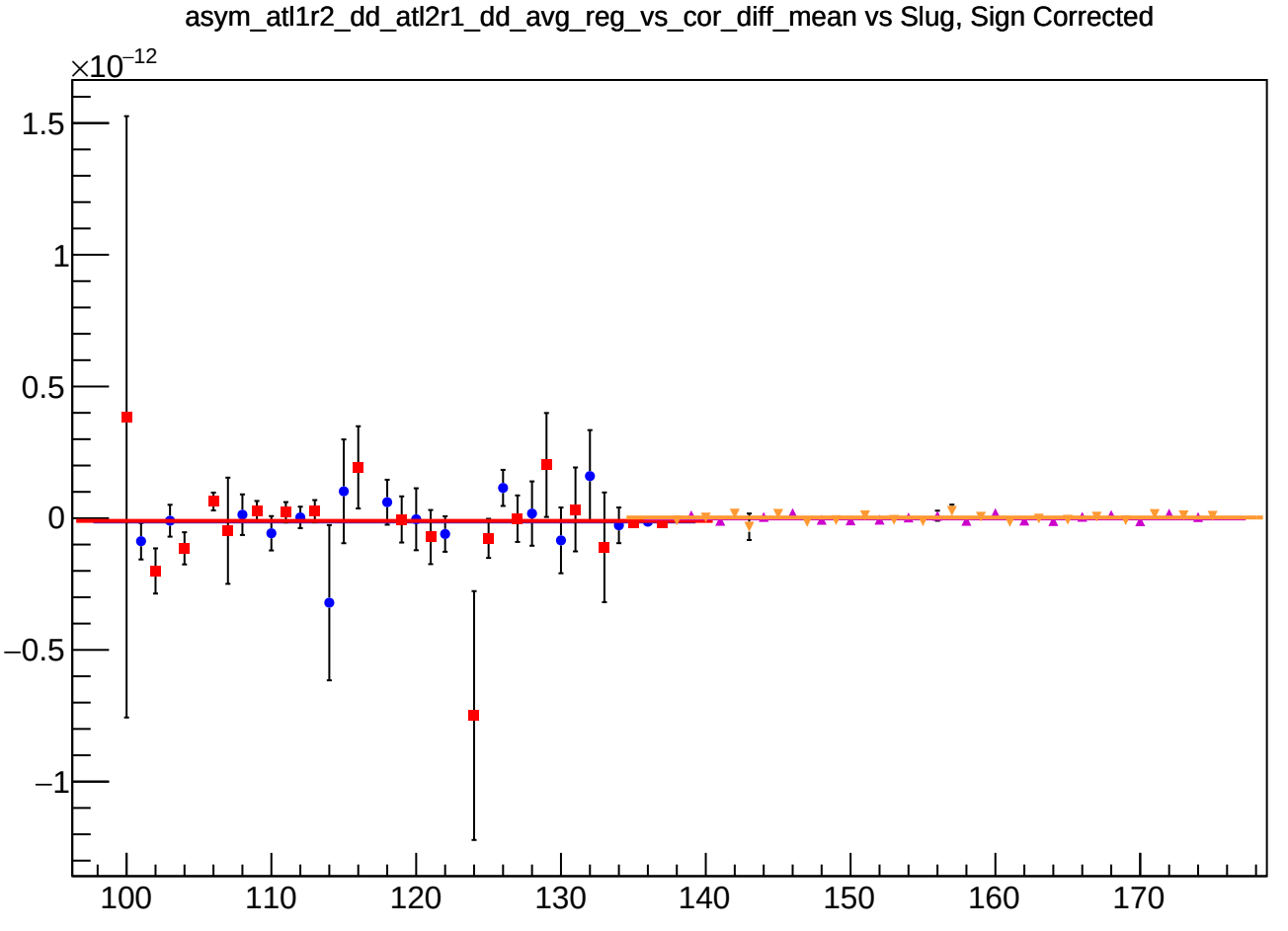
Left: 1309.643+/-0.168 χ^2/NDF: 540462.9/37

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1350.632+/-0.205 χ^2/NDF:775630.2/33

Out: 1362.981+/-0.203 χ^2/NDF:1275757.4/38

All: 1356.864+/-0.144 χ^2/NDF: 2053219.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/17

Left: 0.000+/-0.000 χ^2/NDF: 41.9/37

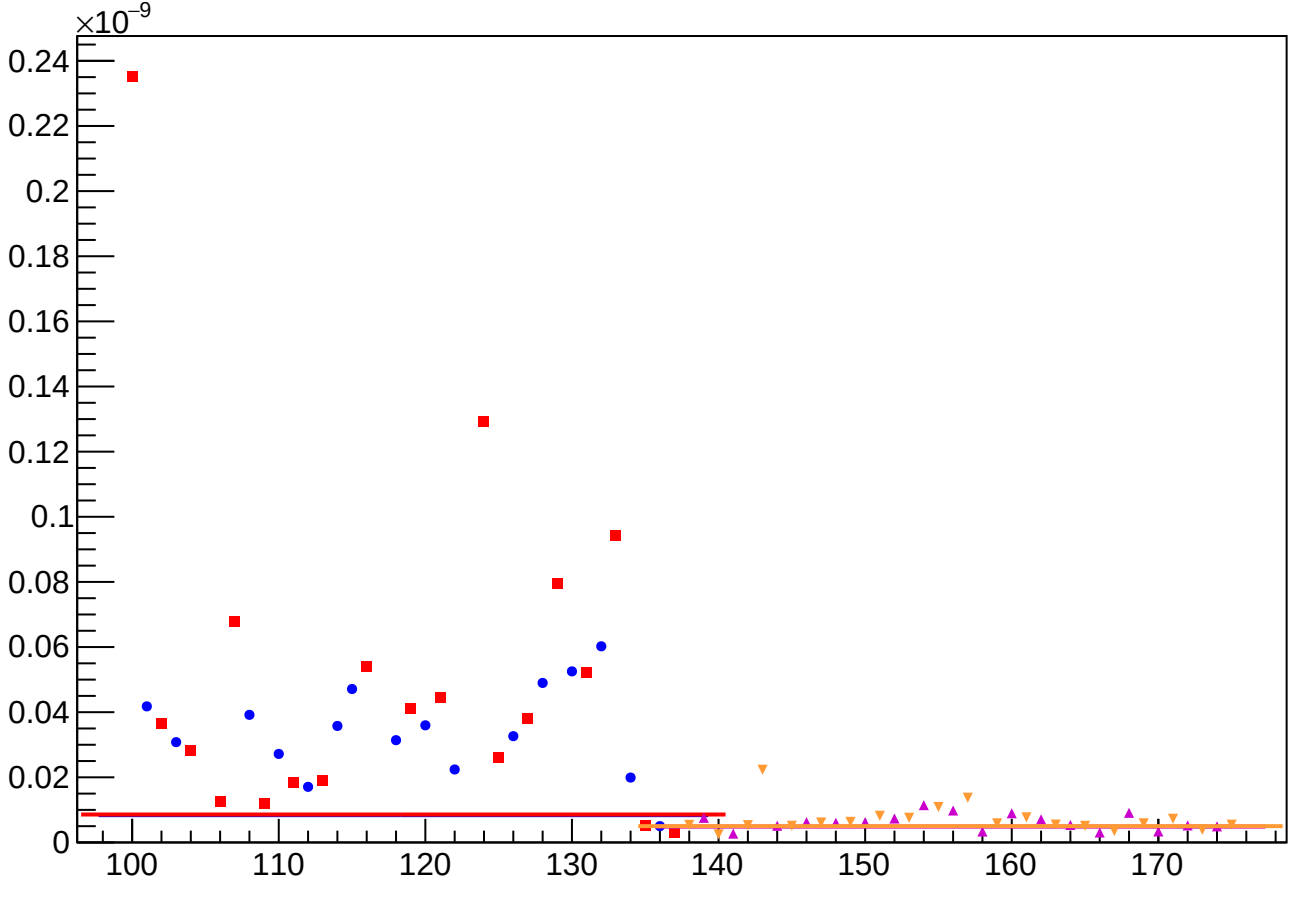
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.3/33

Out: 0.000+/-0.000 χ^2/NDF:43.6/38

All: 0.000+/-0.000 χ^2/NDF: 78.4/72

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

Left: 0.000+/-0.000 χ^2/NDF: 3582293.5/37

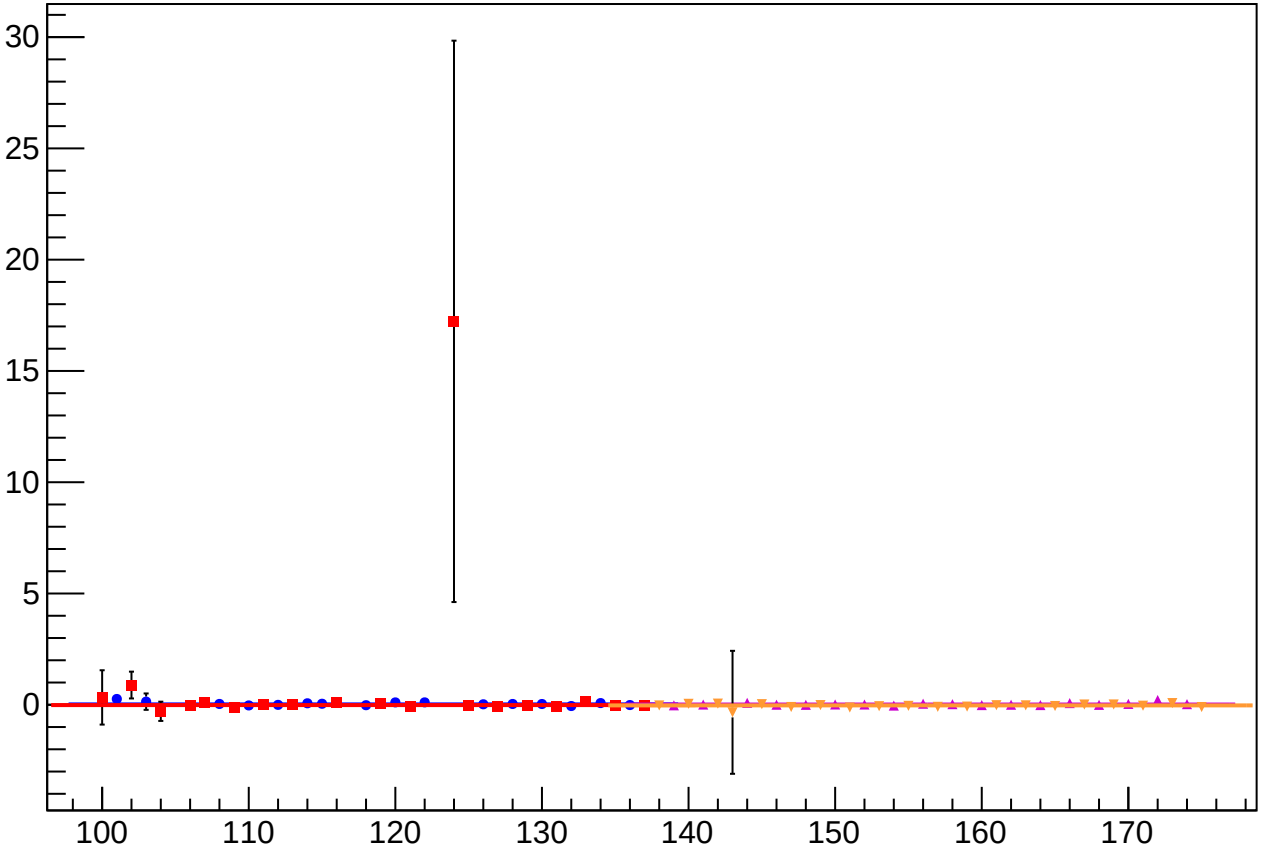
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5161149.1/33

Out: 0.000+/-0.000 χ^2/NDF:5606853.2/38

All: 0.000+/-0.000 χ^2/NDF: 10769861.1/72

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

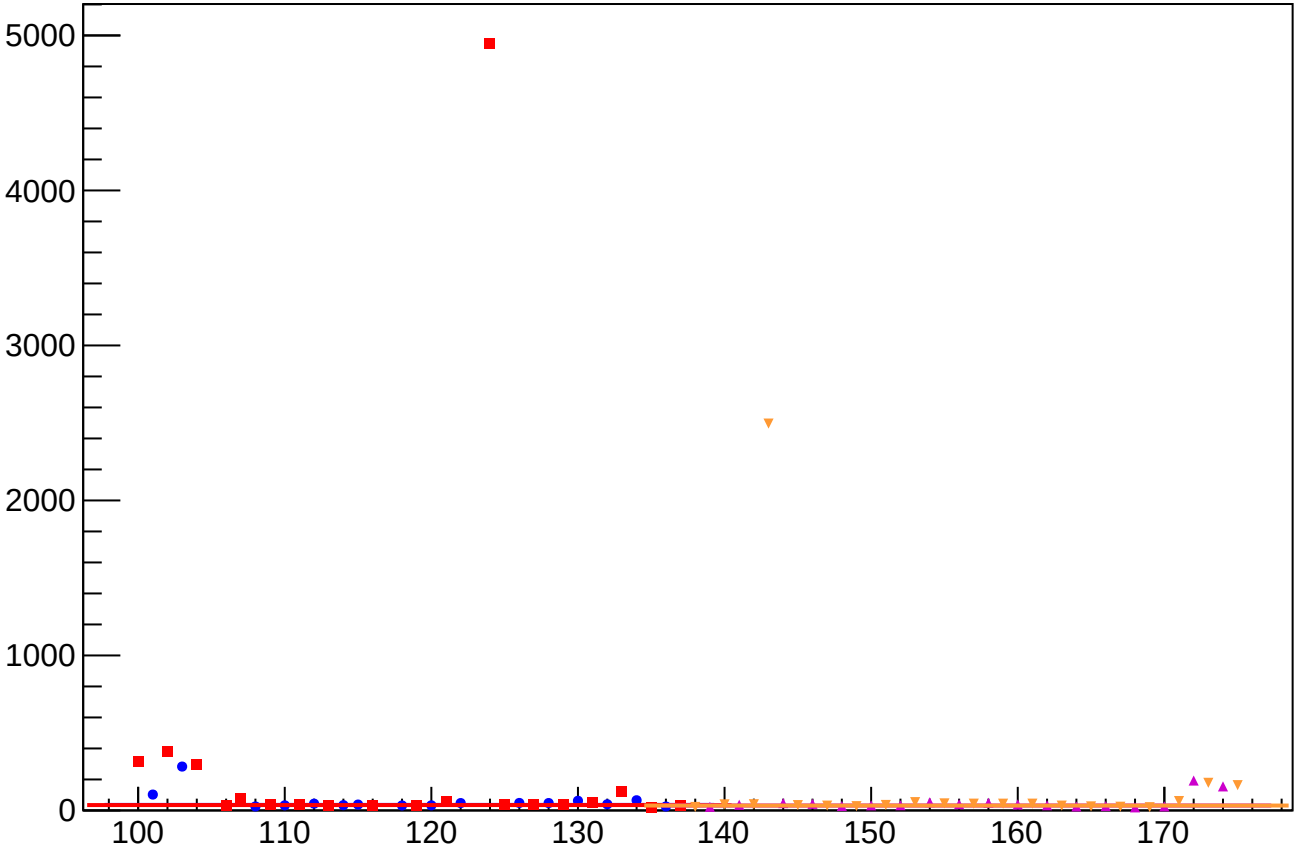
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

Left: 31.754+/-0.005 χ^2/NDF: 9080960.1/37

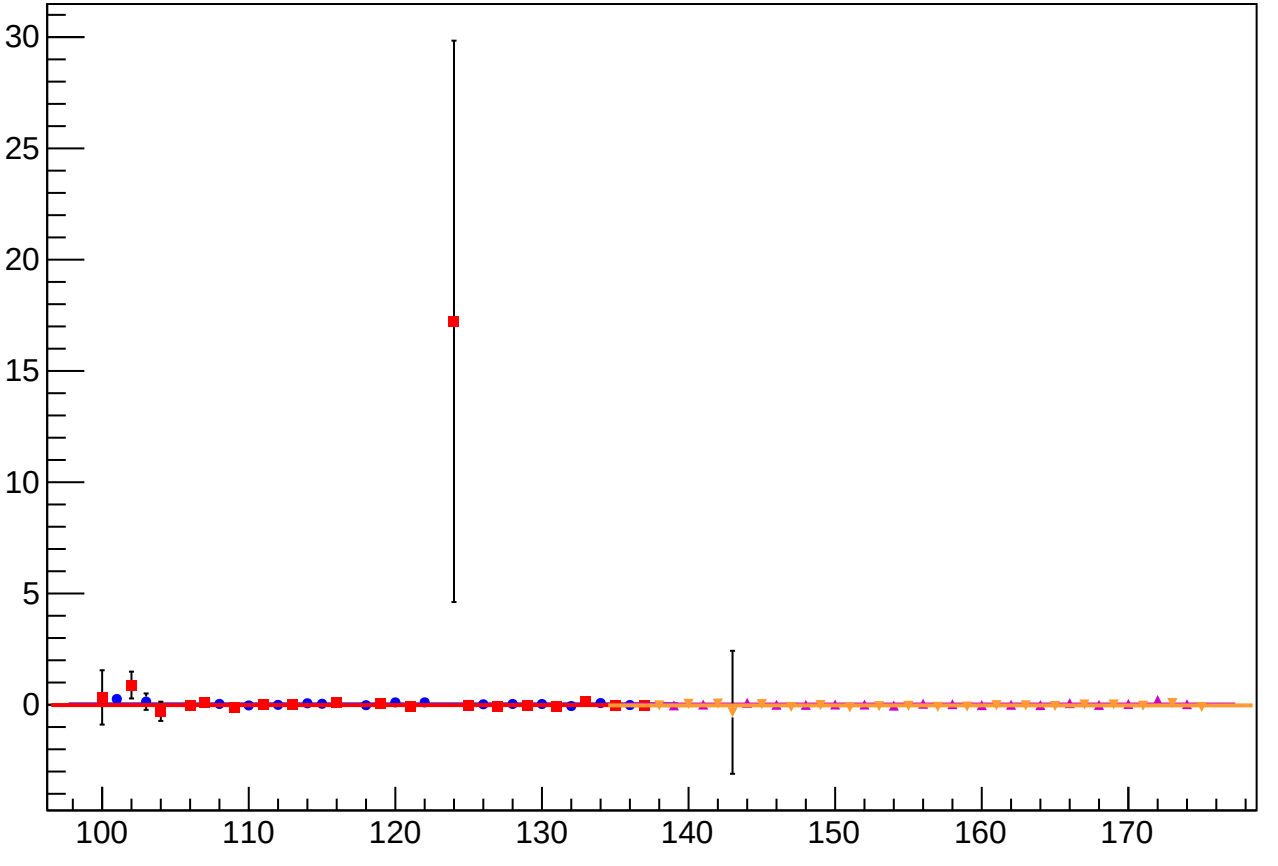
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

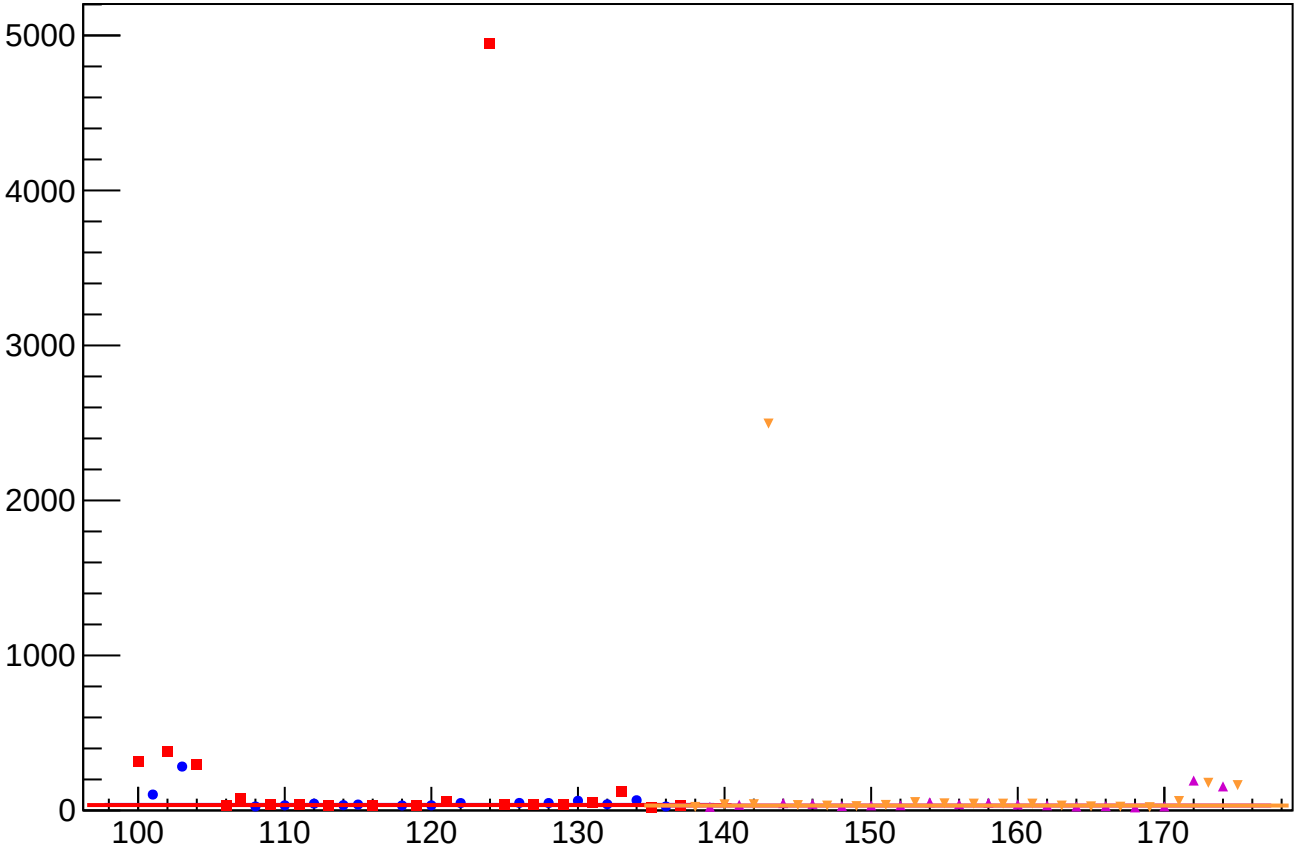
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

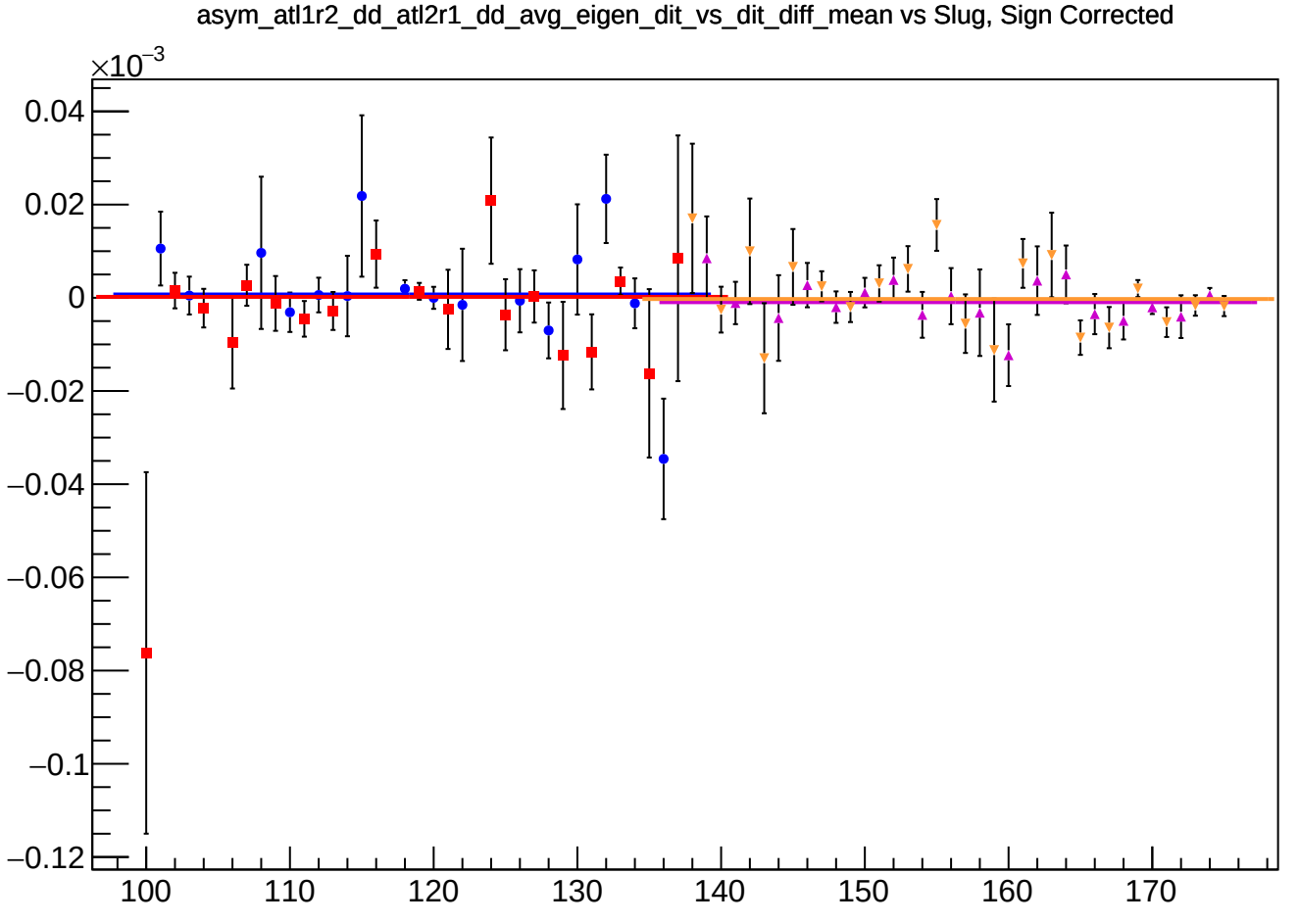
Left: 31.754+/-0.005 χ^2/NDF: 9080960.1/37

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.716+/-0.004 χ^2/NDF: 14412918.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/17

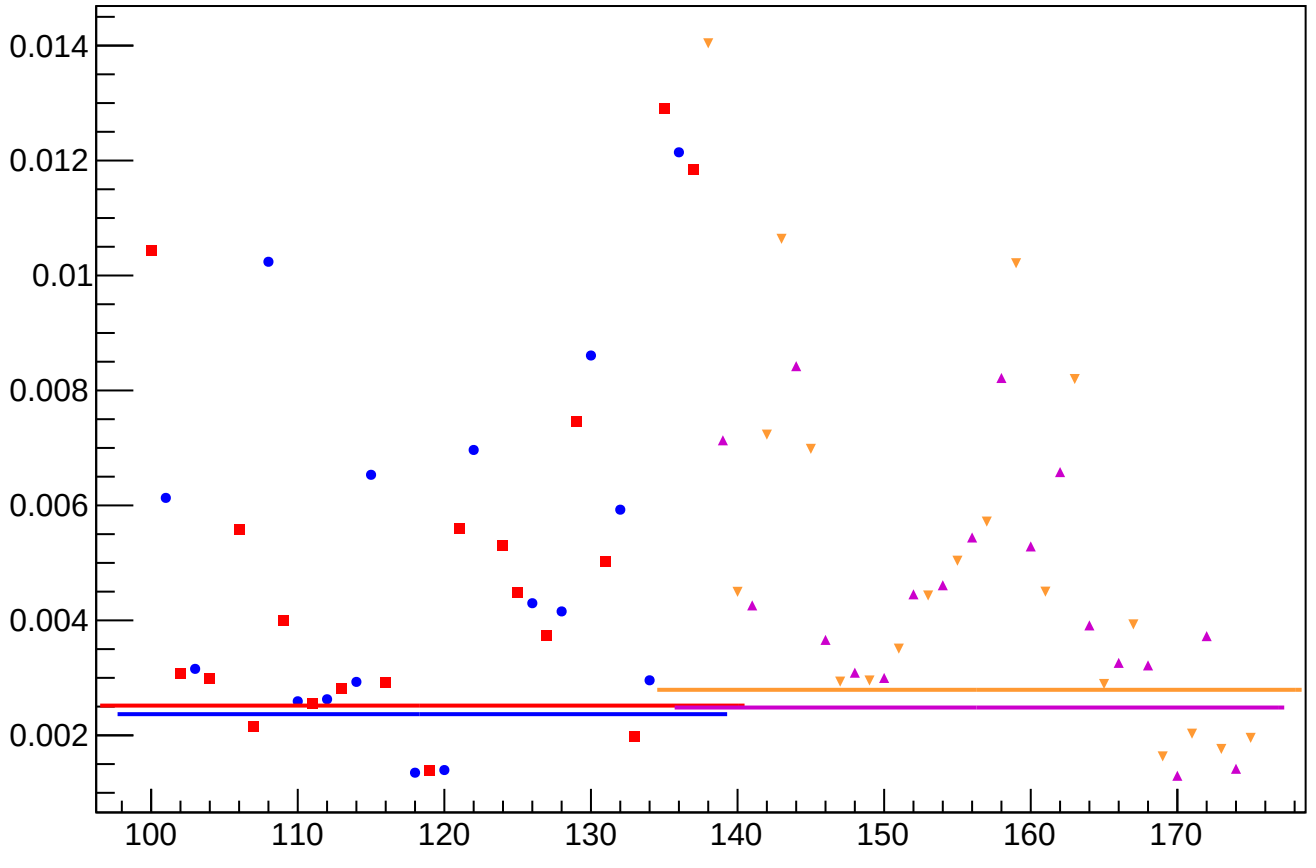
Left: -0.000+/-0.000 χ^2/NDF: 44.2/37

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.9/33

Out: -0.000+/-0.000 χ^2/NDF:50.6/38

All: -0.000+/-0.000 χ^2/NDF: 82.7/72



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7628338.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7542382.4/17

Left: 0.003+/-0.000 χ^2/NDF: 15312742.7/37

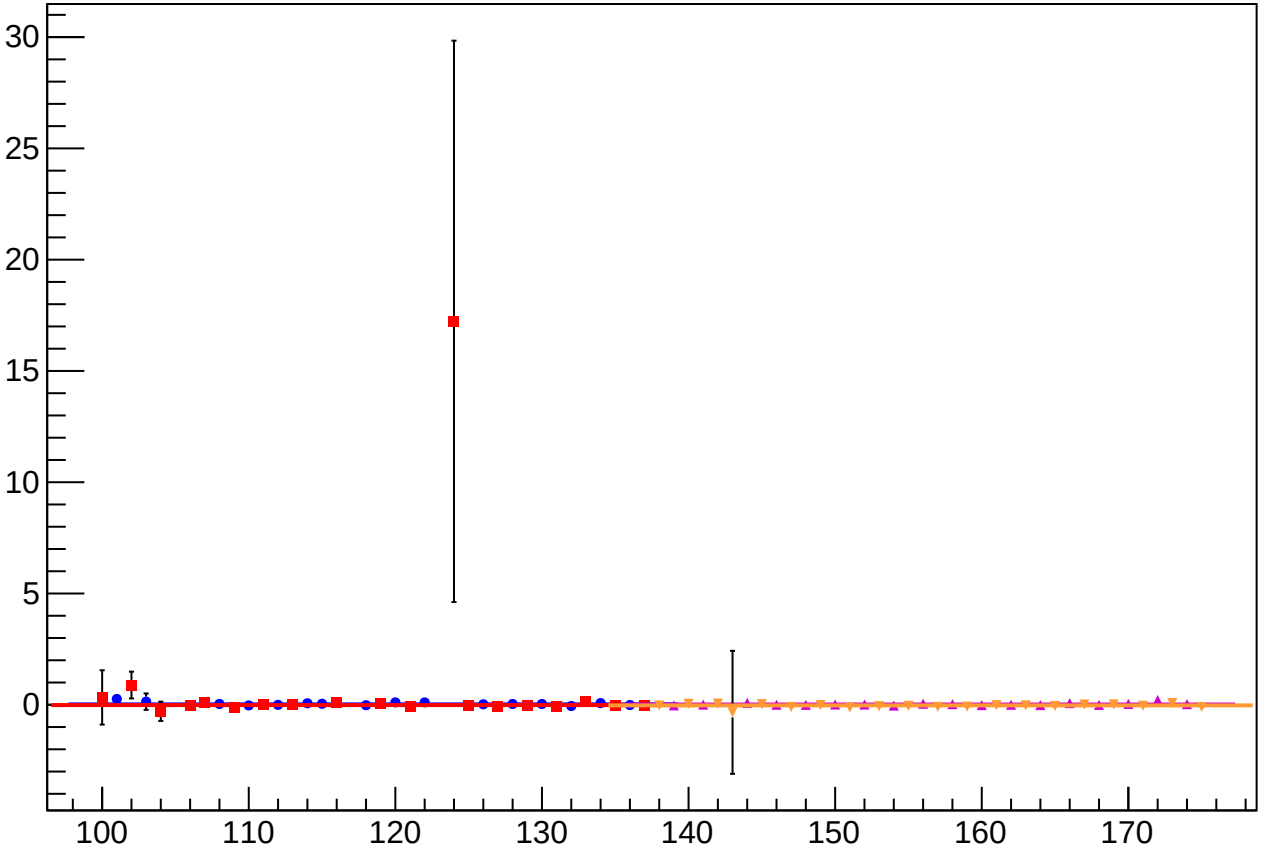
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12278271.0/33

Out: 0.003+/-0.000 χ^2/NDF:11108280.0/38

All: 0.003+/-0.000 χ^2/NDF: 23525503.9/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

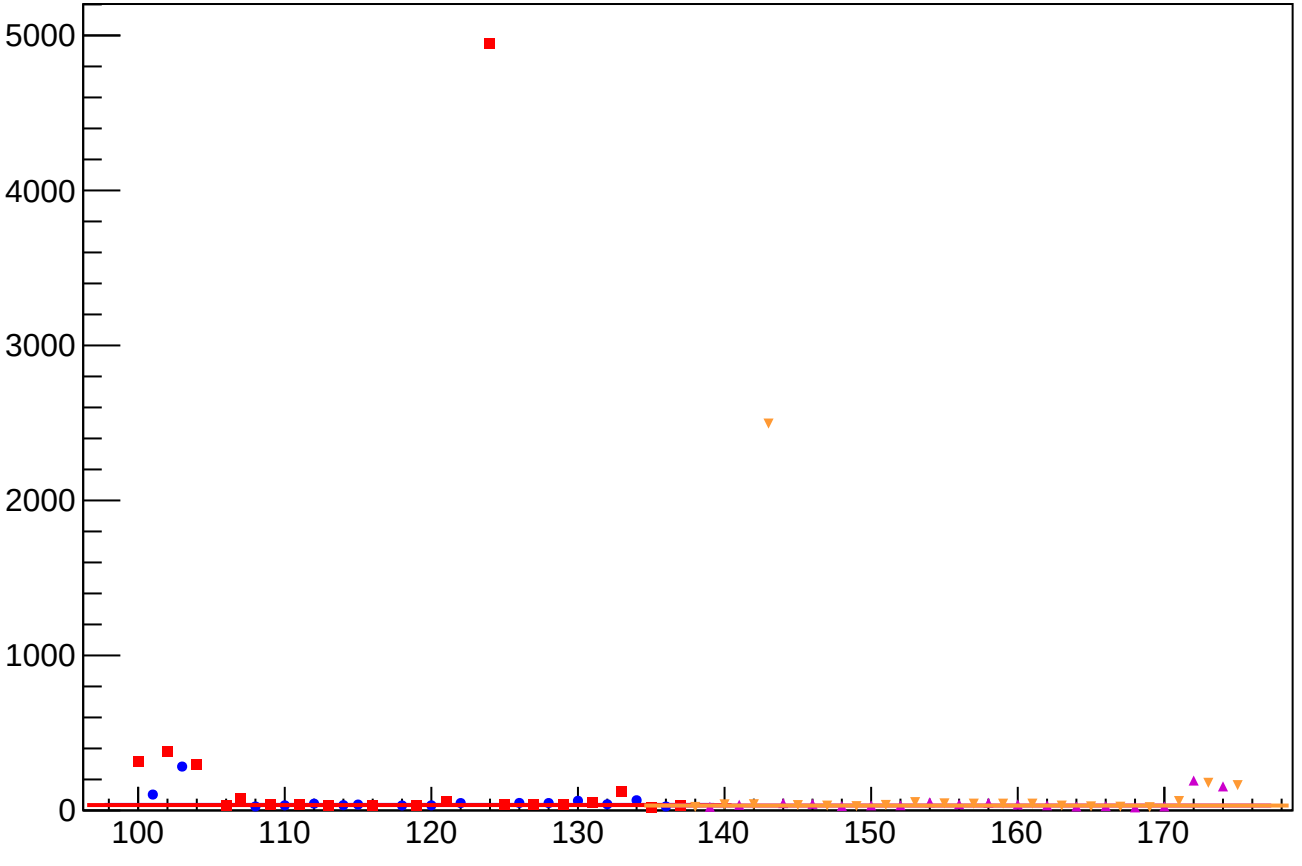
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

Left: 31.753+/-0.005 χ^2/NDF: 9081788.3/37

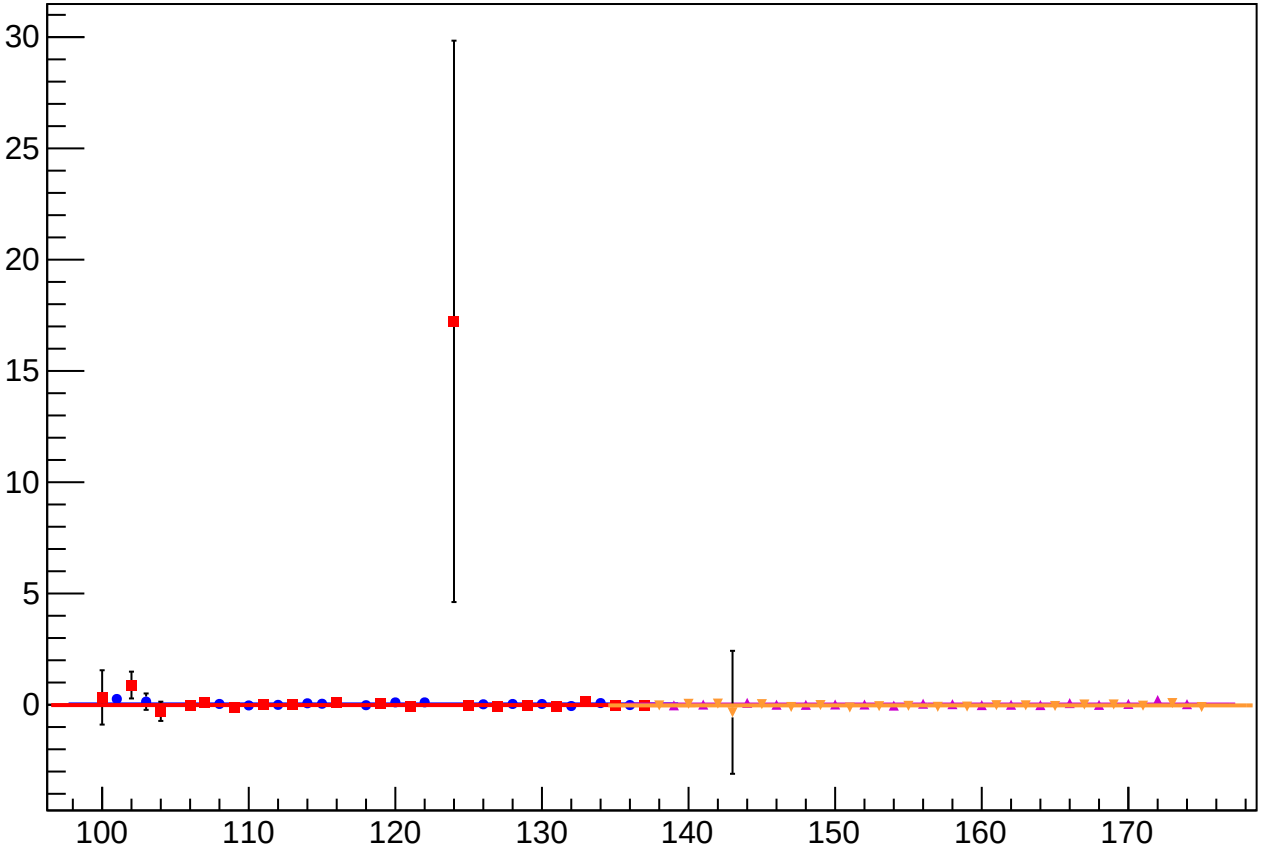
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.8/37

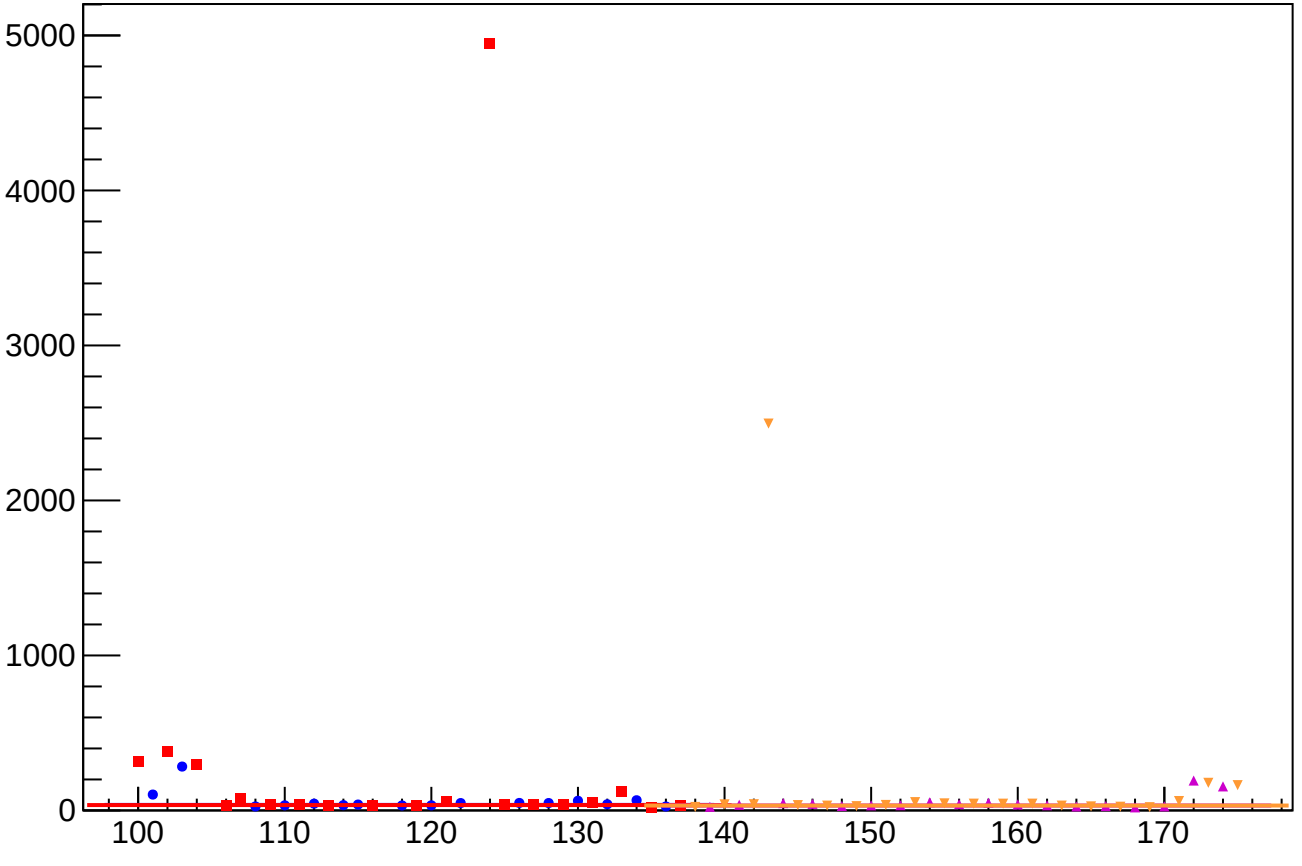
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

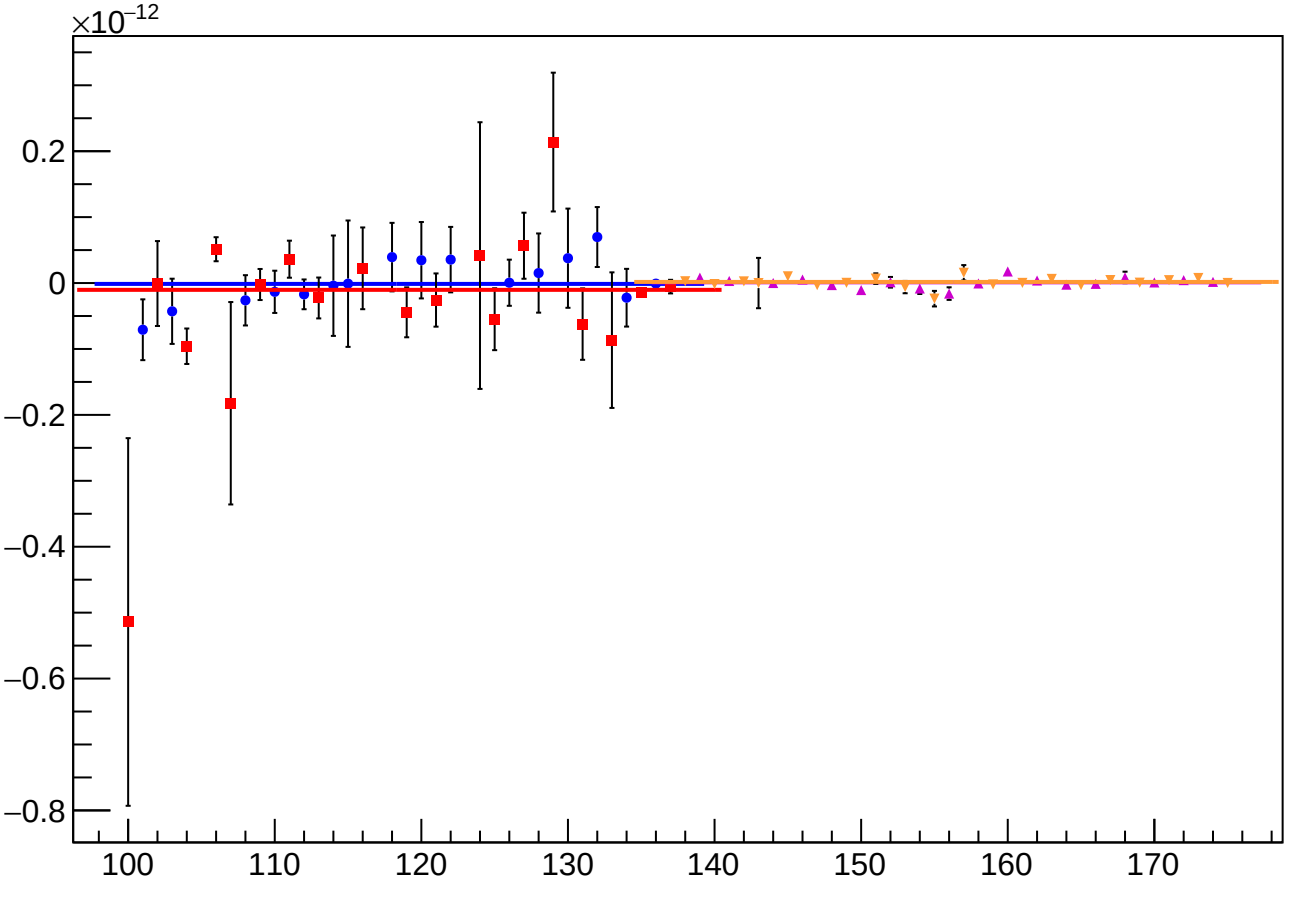
Left: 31.753+/-0.005 χ^2/NDF: 9081788.3/37

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.716+/-0.004 χ^2/NDF: 14413463.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/17

Left: 0.000+/-0.000 χ^2/NDF: 34.0/37

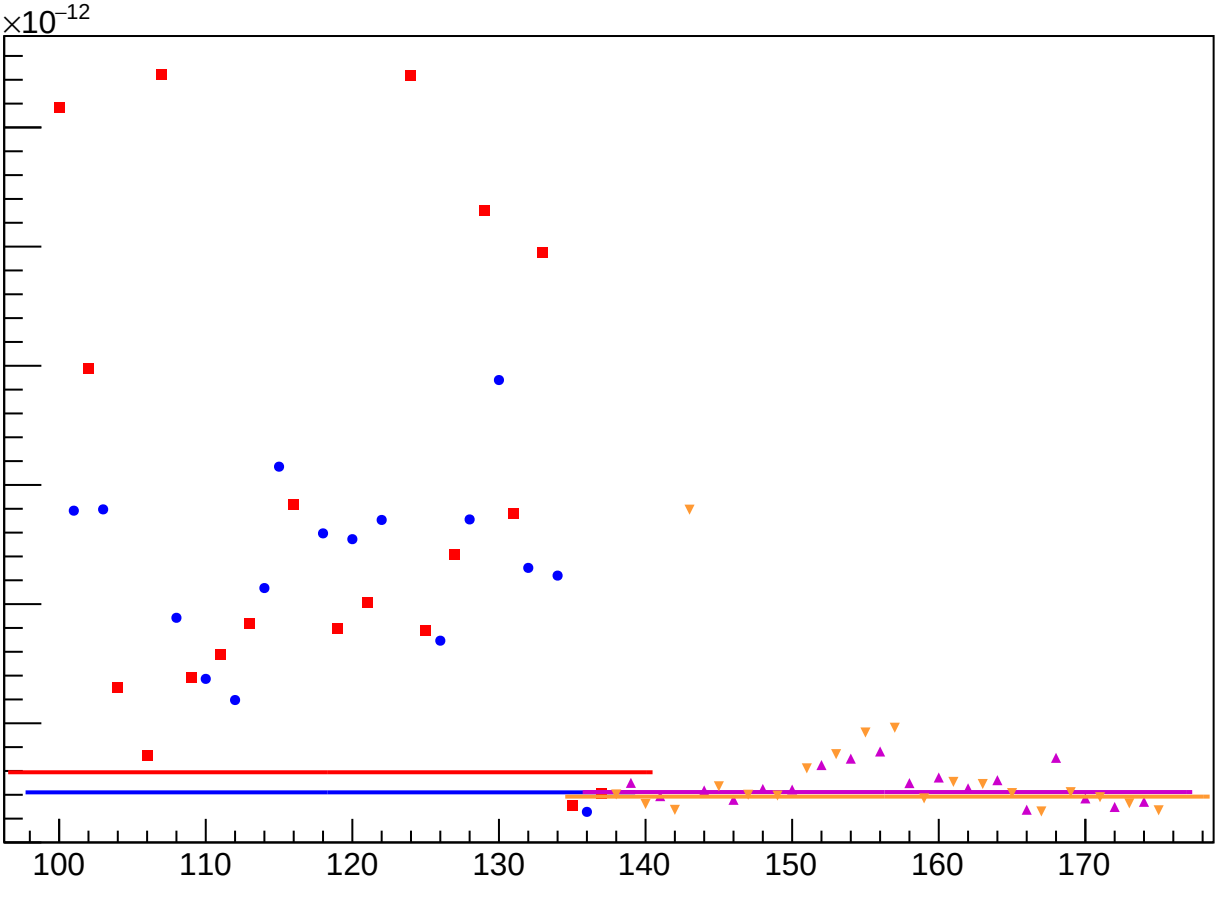
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:28.0/33

Out: 0.000+/-0.000 χ^2/NDF:62.4/38

All: 0.000+/-0.000 χ^2/NDF: 90.4/72

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

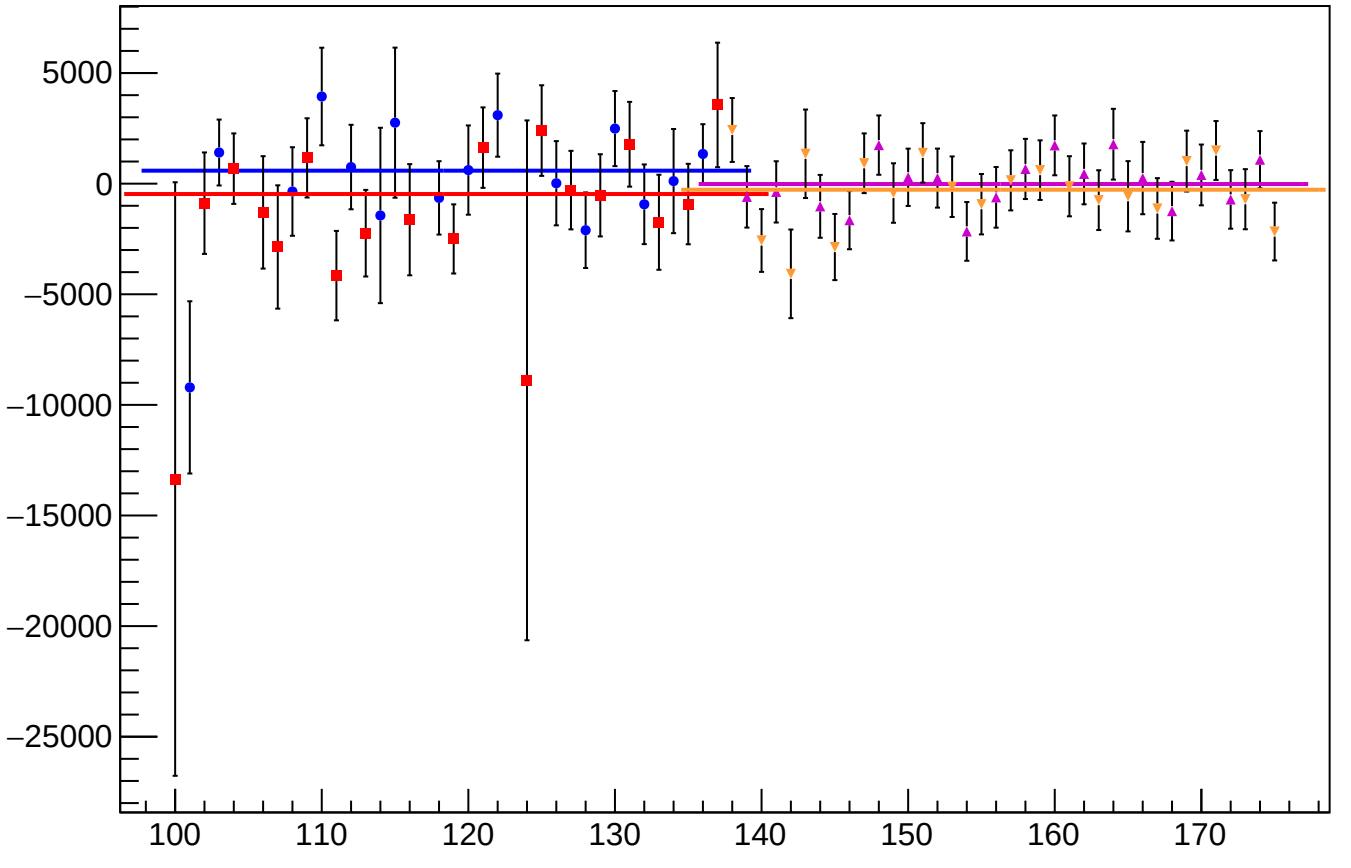
Left: 0.000+/-0.000 χ^2/NDF: 4576168.6/37

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6640563.8/33

Out: 0.000+/-0.000 χ^2/NDF:8228986.5/38

All: 0.000+/-0.000 χ^2/NDF: 14899195.8/72



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -17.176+/-323.174 χ^2/NDF:12.2/17

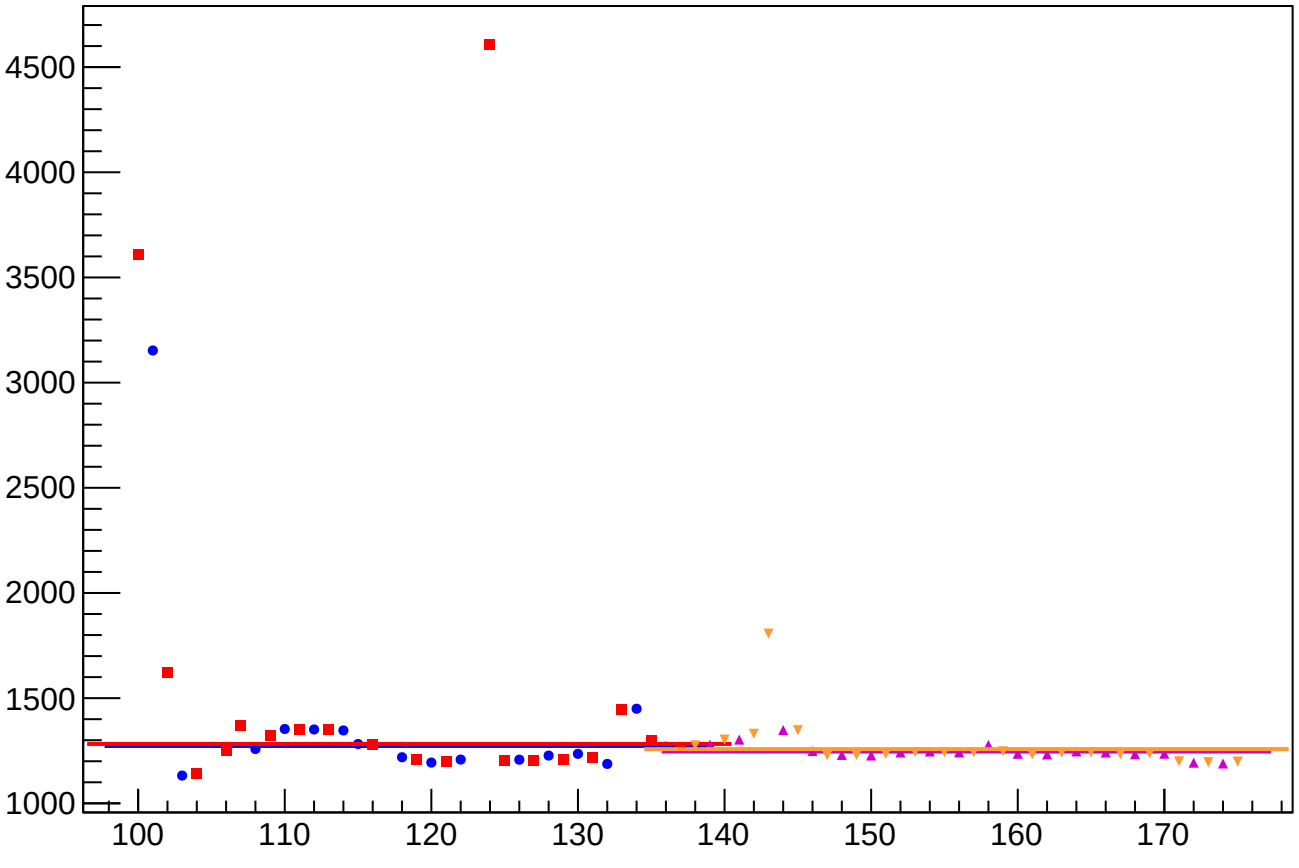
Left: -148.780+/-226.138 χ^2/NDF: 34.4/37

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 169.945+/-268.498 χ^2/NDF:30.3/33

Out: -333.742+/-264.341 χ^2/NDF:38.9/38

All: -85.828+/-188.370 χ^2/NDF: 71.0/72



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

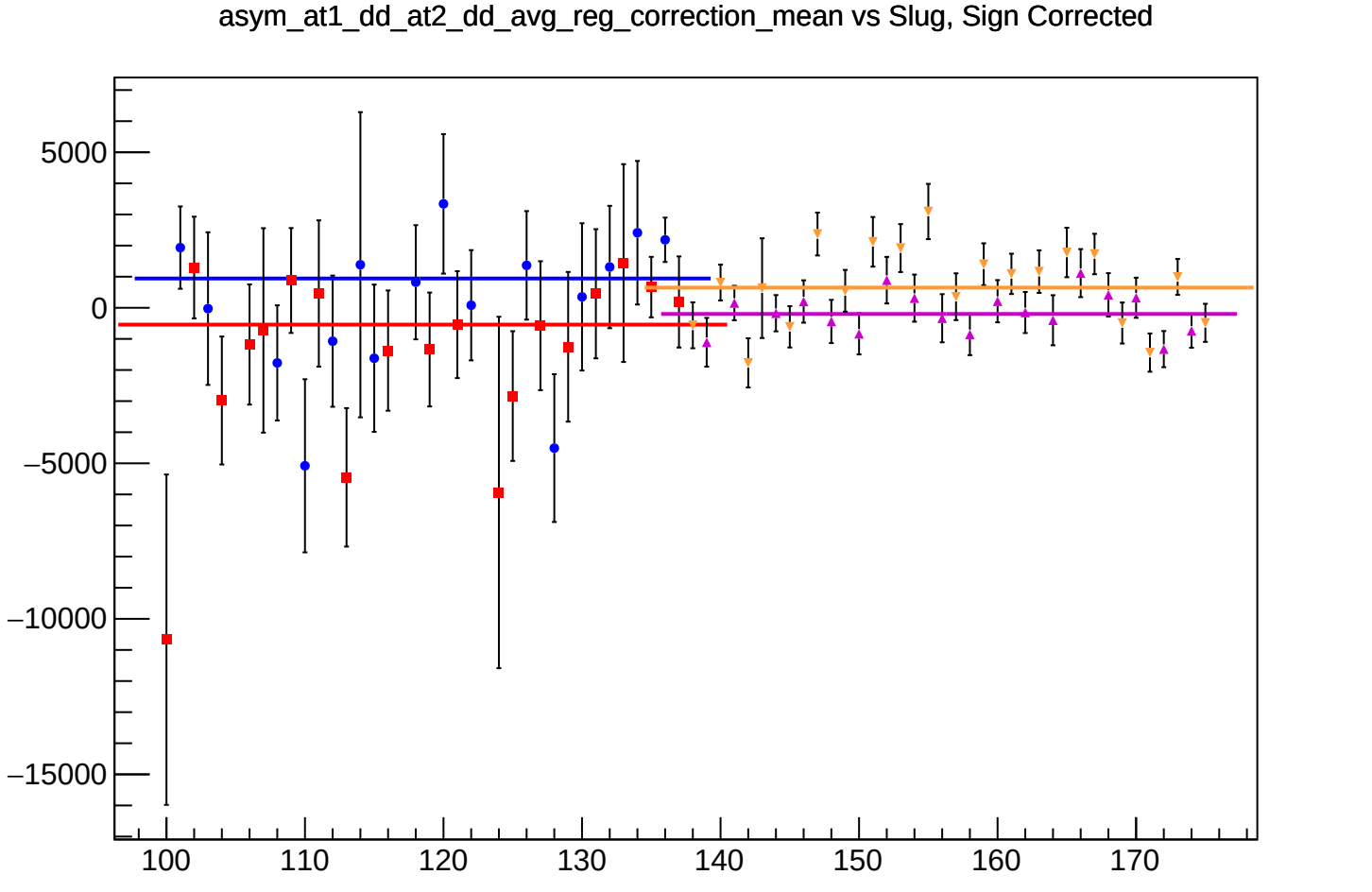
Left: 1252.068+/-0.160 χ^2/NDF: 206122.0/37

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1254.460+/-0.190 χ^2/NDF:547851.3/33

Out: 1265.144+/-0.187 χ^2/NDF:506240.9/38

All: 1259.885+/-0.133 χ^2/NDF: 1055700.3/72



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -198.518+/-157.548 χ^2/NDF:16.2/17

Left: 228.715+/-110.916 χ^2/NDF: 92.0/37

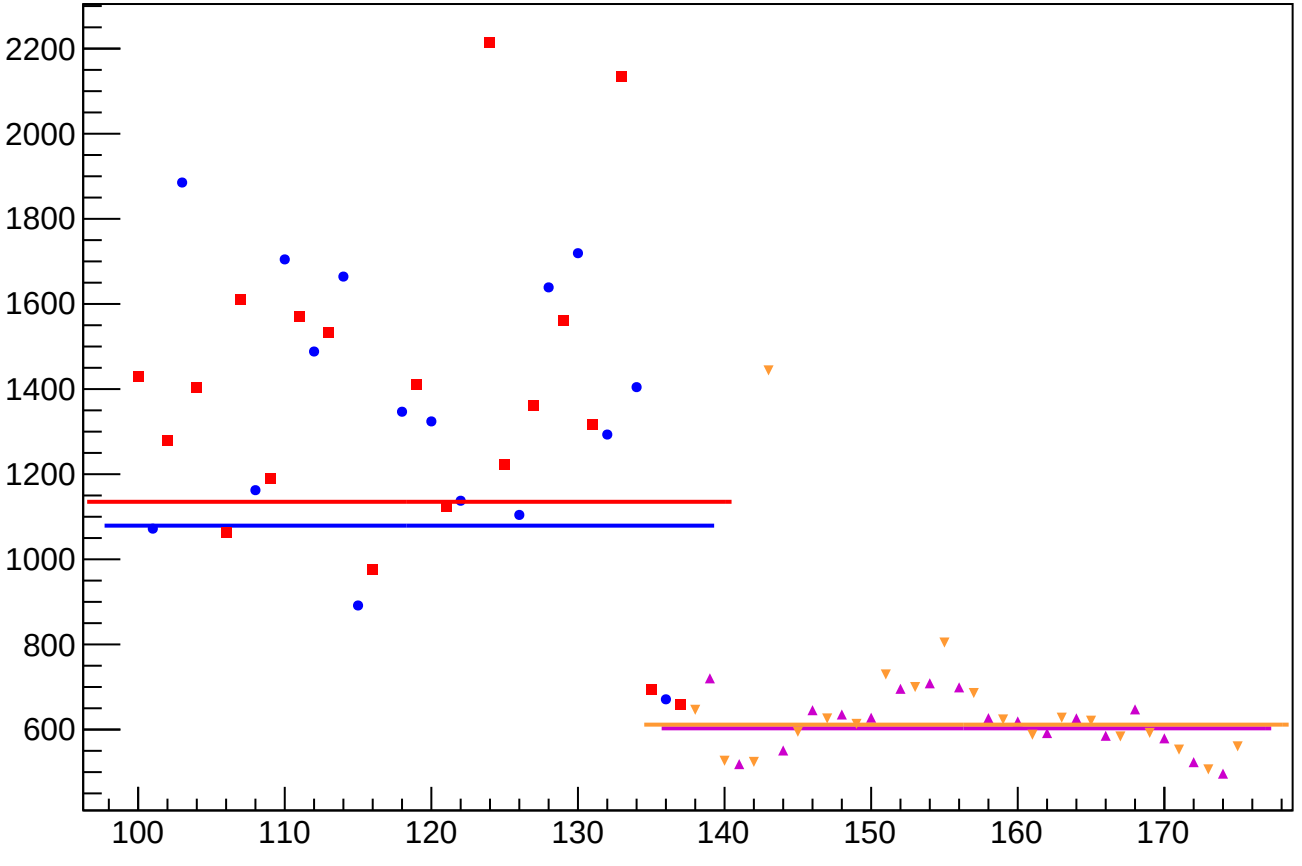
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -61.228+/-147.760 χ^2/NDF:42.5/33

Out: 515.438+/-147.178 χ^2/NDF:84.9/38

All: 228.243+/-104.276 χ^2/NDF: 135.0/72

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

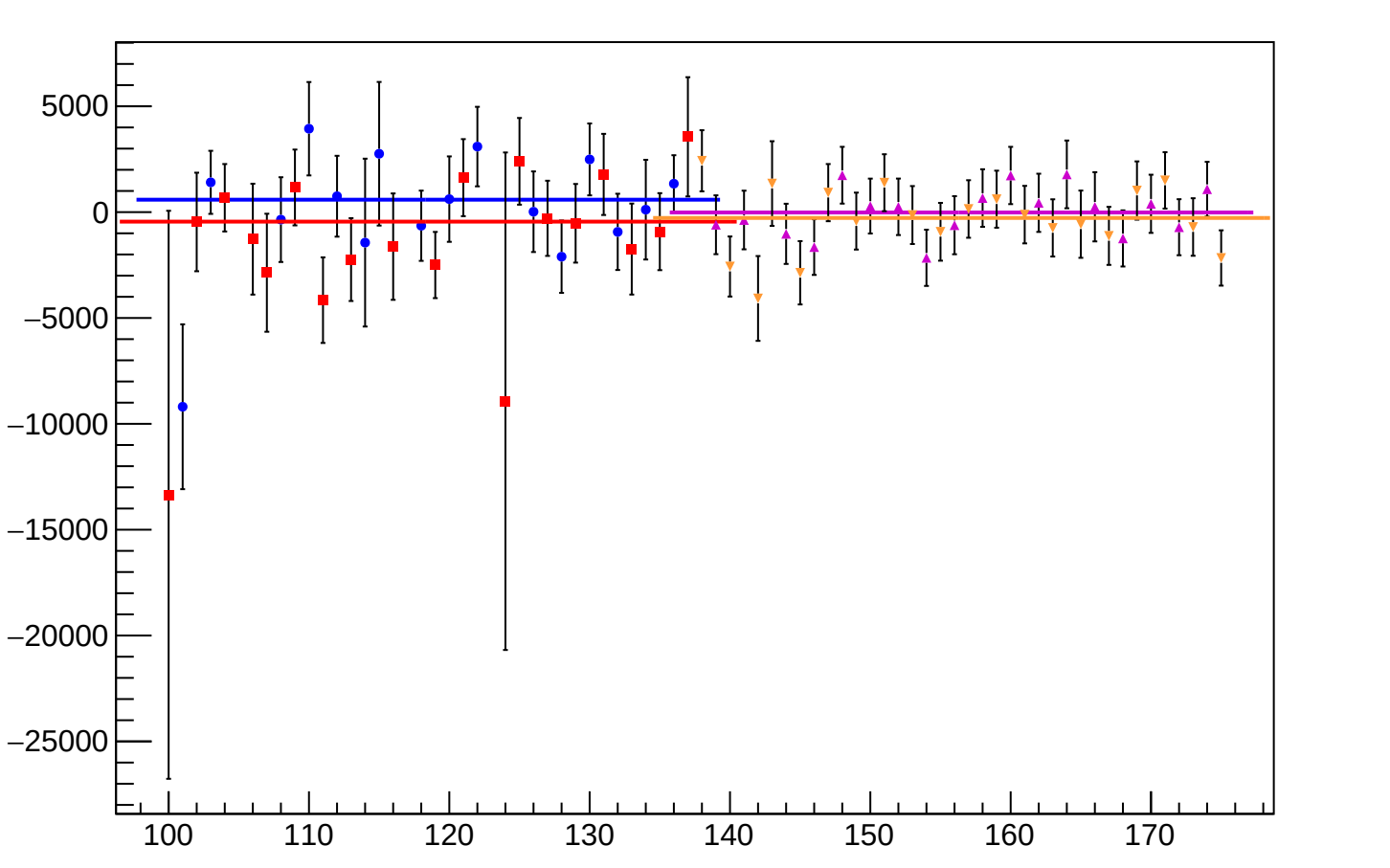
Left: 607.244+/-0.078 χ^2/NDF: 1264302.0/37

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 660.197+/-0.104 χ^2/NDF:4038237.3/33

Out: 670.166+/-0.104 χ^2/NDF:4715132.6/38

All: 665.201+/-0.074 χ^2/NDF: 8757940.0/72



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

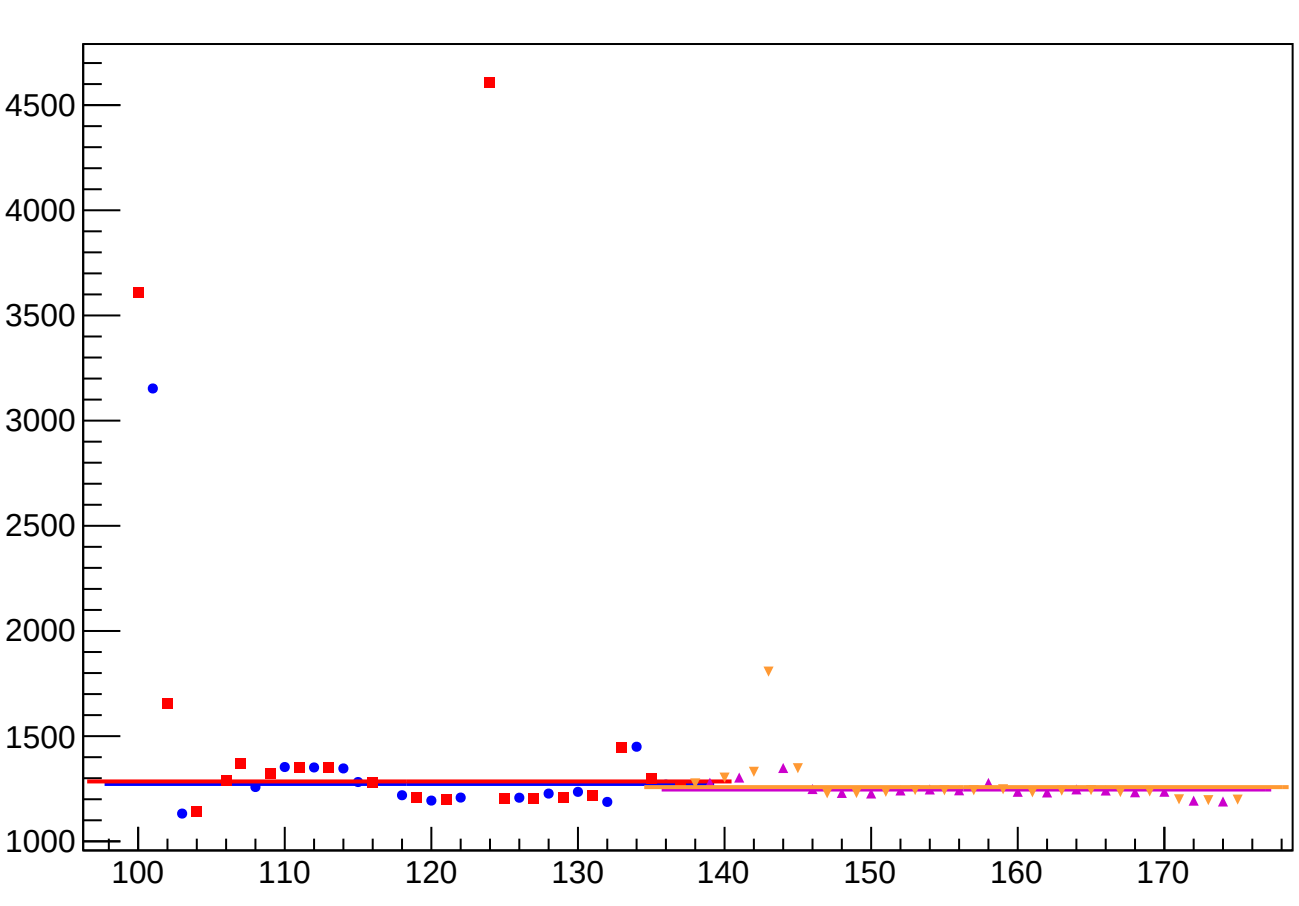
Left: -148.830+/-226.138 χ^2/NDF: 34.4/37

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -82.457+/-188.419 χ^2/NDF: 70.8/72



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

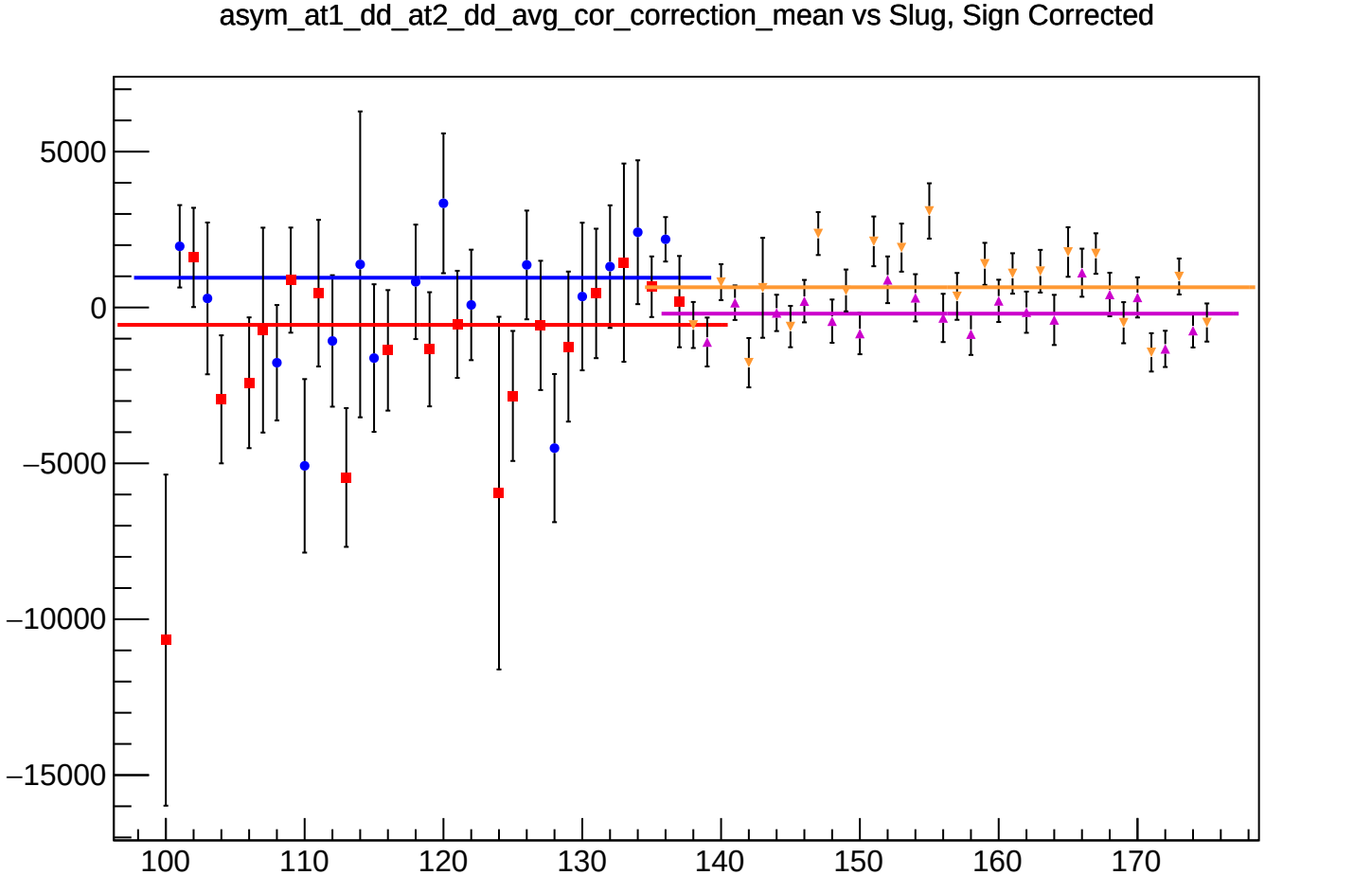
Left: 1252.068+/-0.160 χ^2/NDF: 206122.0/37

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 228.728+/-110.916 χ^2/NDF: 92.0/37

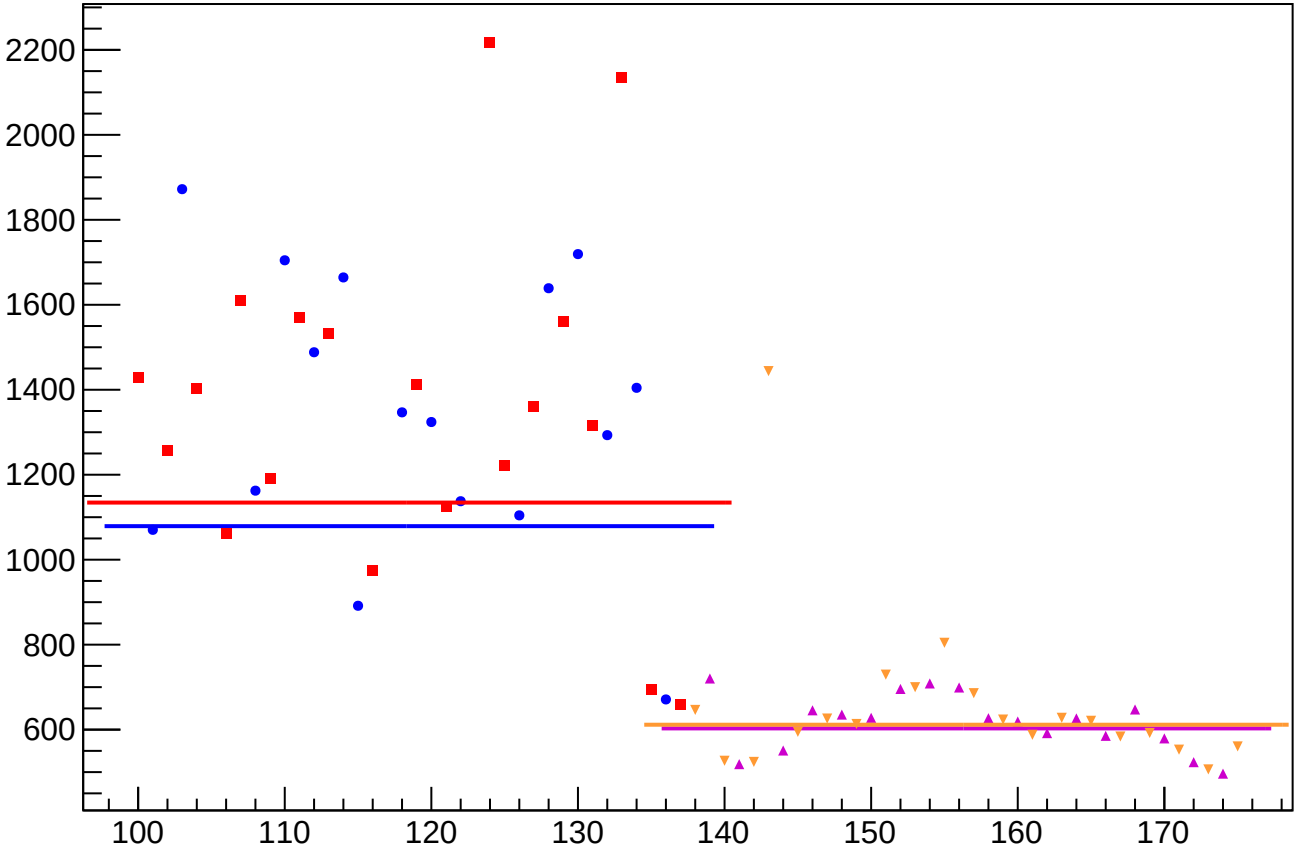
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 513.980+/-147.210 χ^2/NDF:86.3/38

All: 228.231+/-104.284 χ^2/NDF: 136.4/72

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

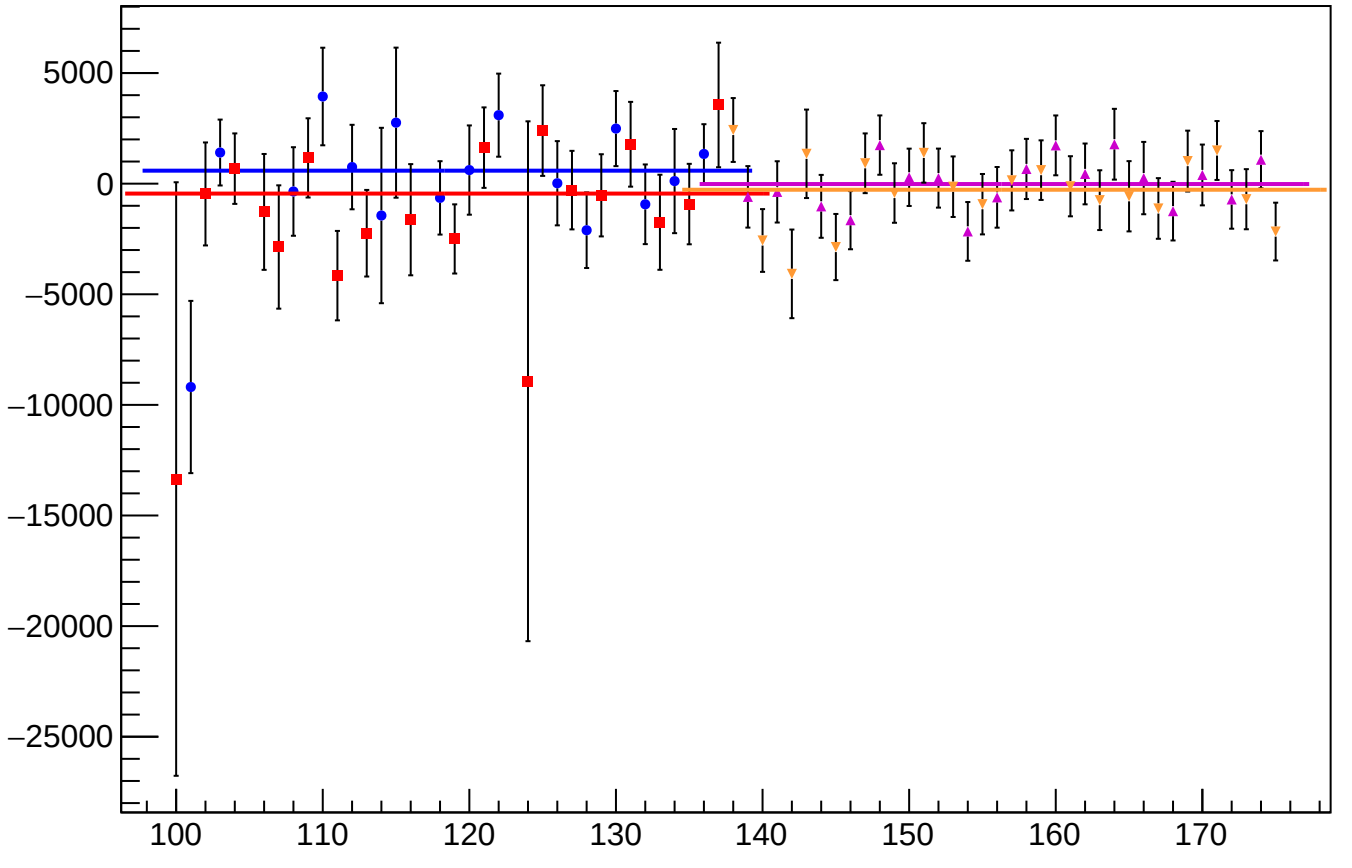
Left: 607.243+/-0.078 χ^2/NDF: 1264278.1/37

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

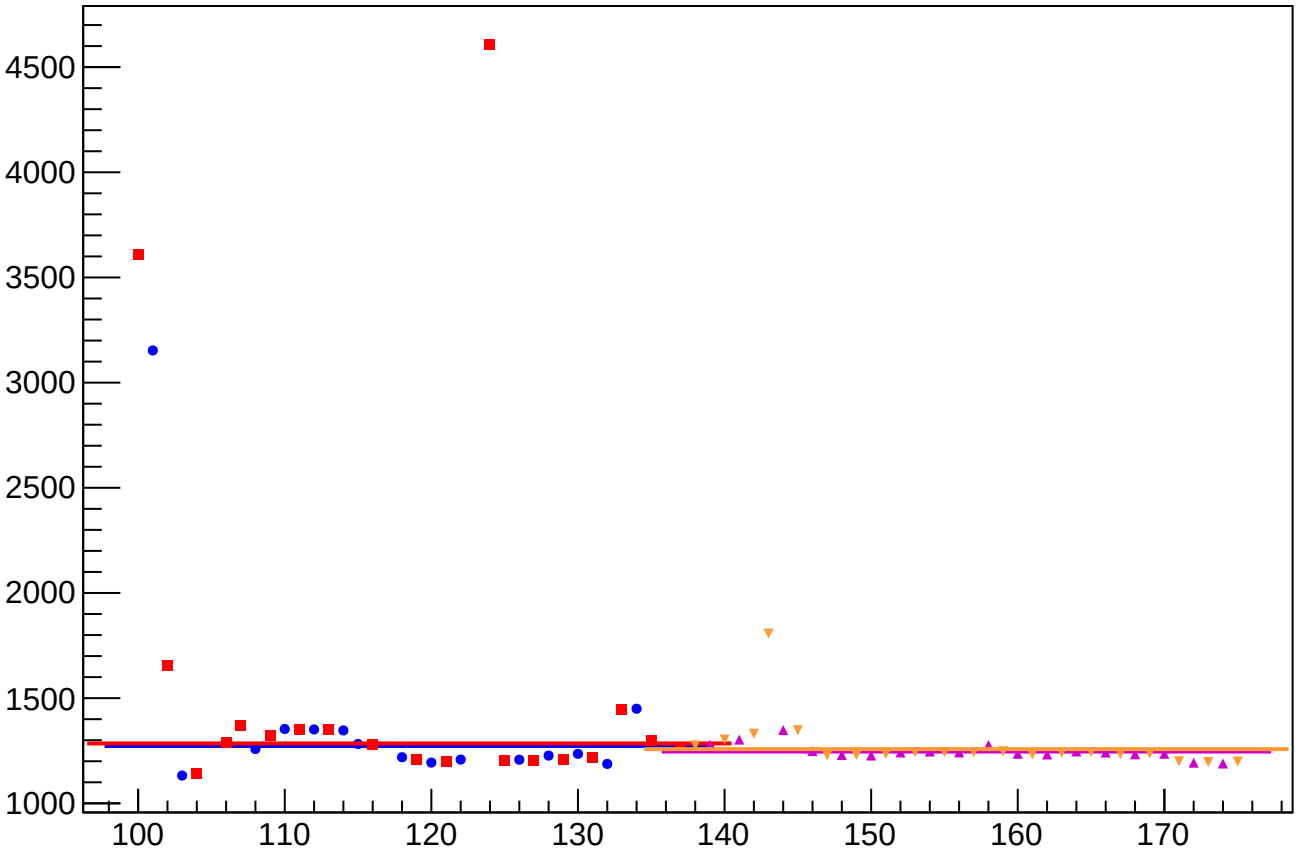
Left: -148.830+/-226.138 χ^2/NDF: 34.4/37

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -82.457+/-188.419 χ^2/NDF: 70.8/72



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

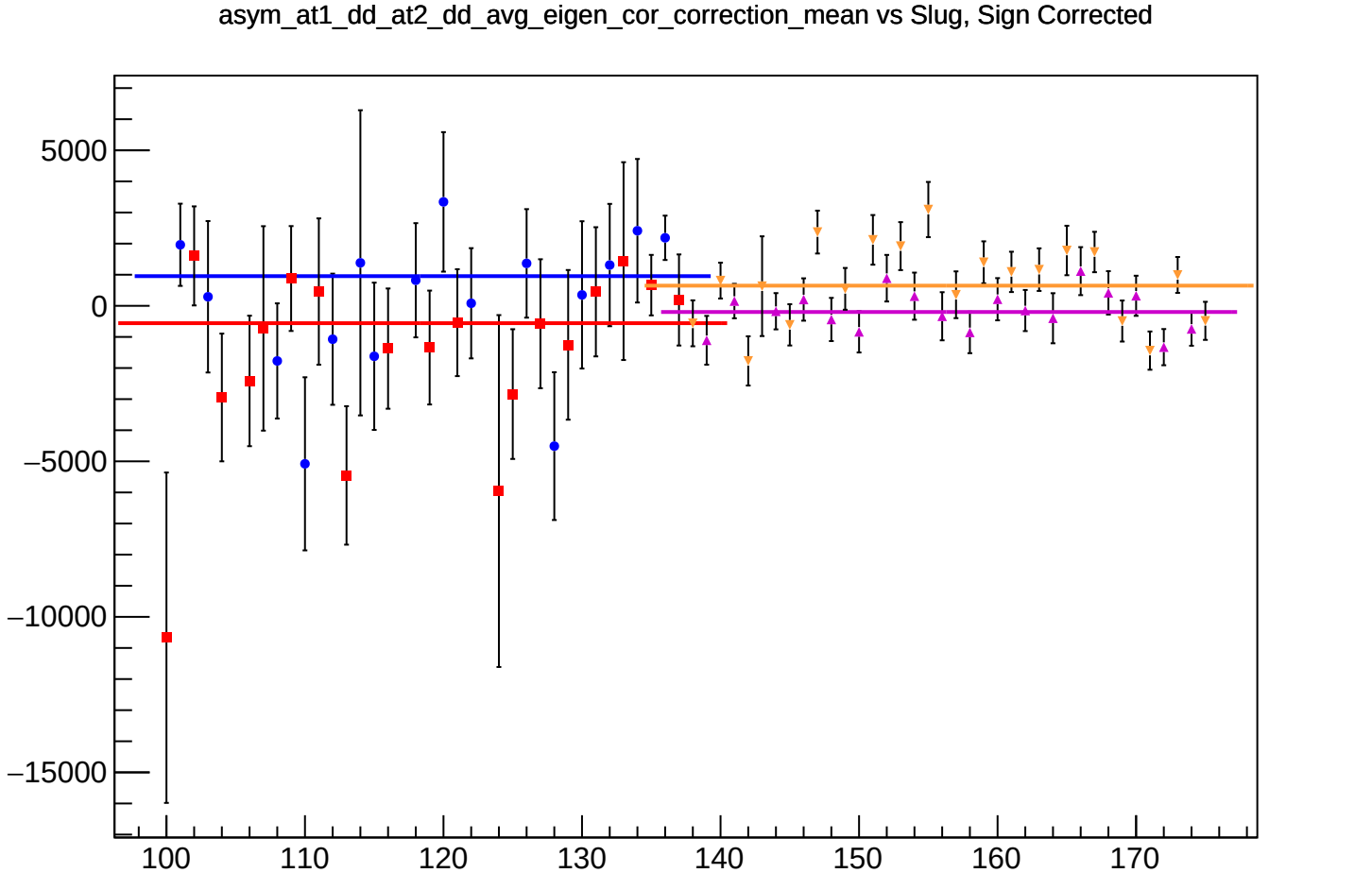
Left: 1252.068+/-0.160 χ^2/NDF: 206122.0/37

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1260.224+/-0.133 χ^2/NDF: 1063270.4/72



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 228.728+/-110.916 χ^2/NDF: 92.0/37

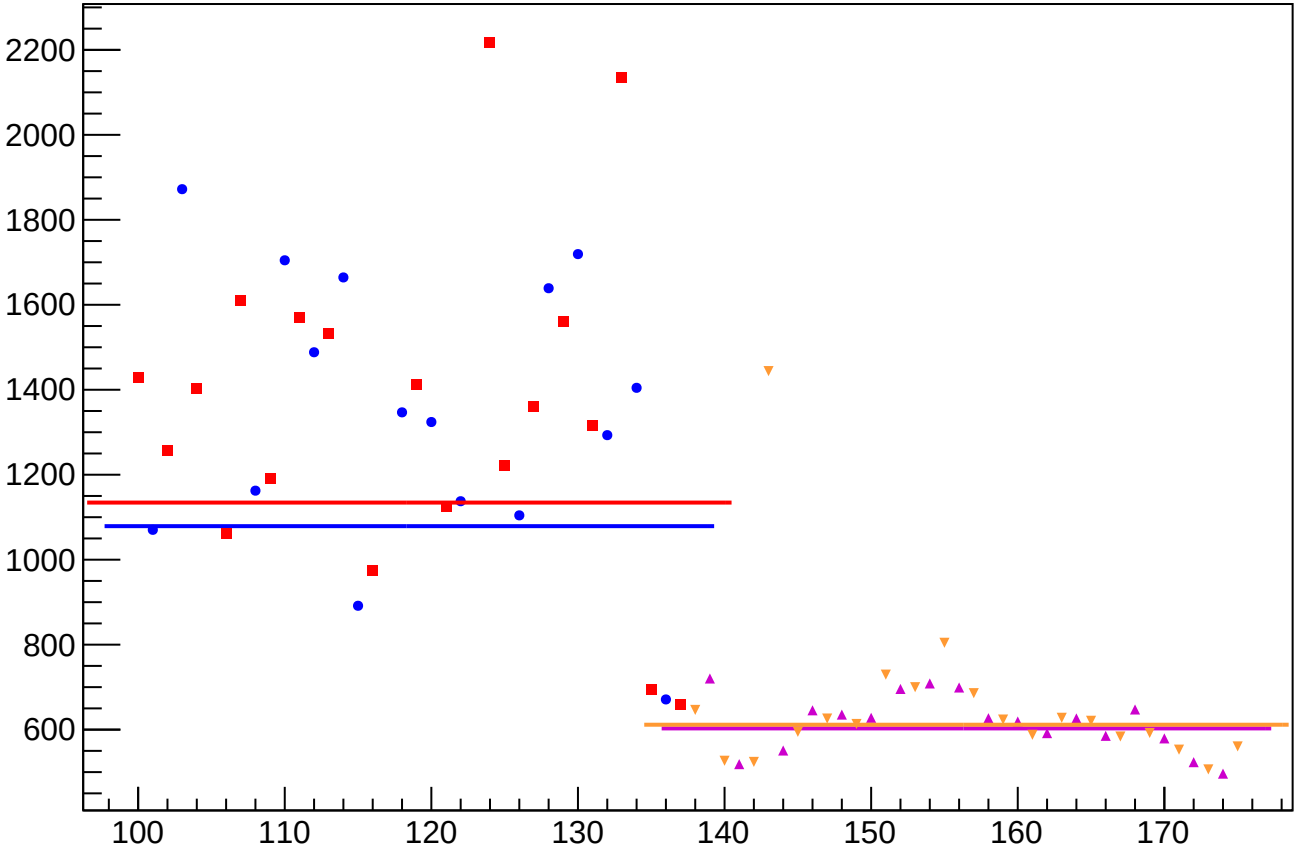
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 513.980+/-147.210 χ^2/NDF:86.3/38

All: 228.231+/-104.284 χ^2/NDF: 136.4/72

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

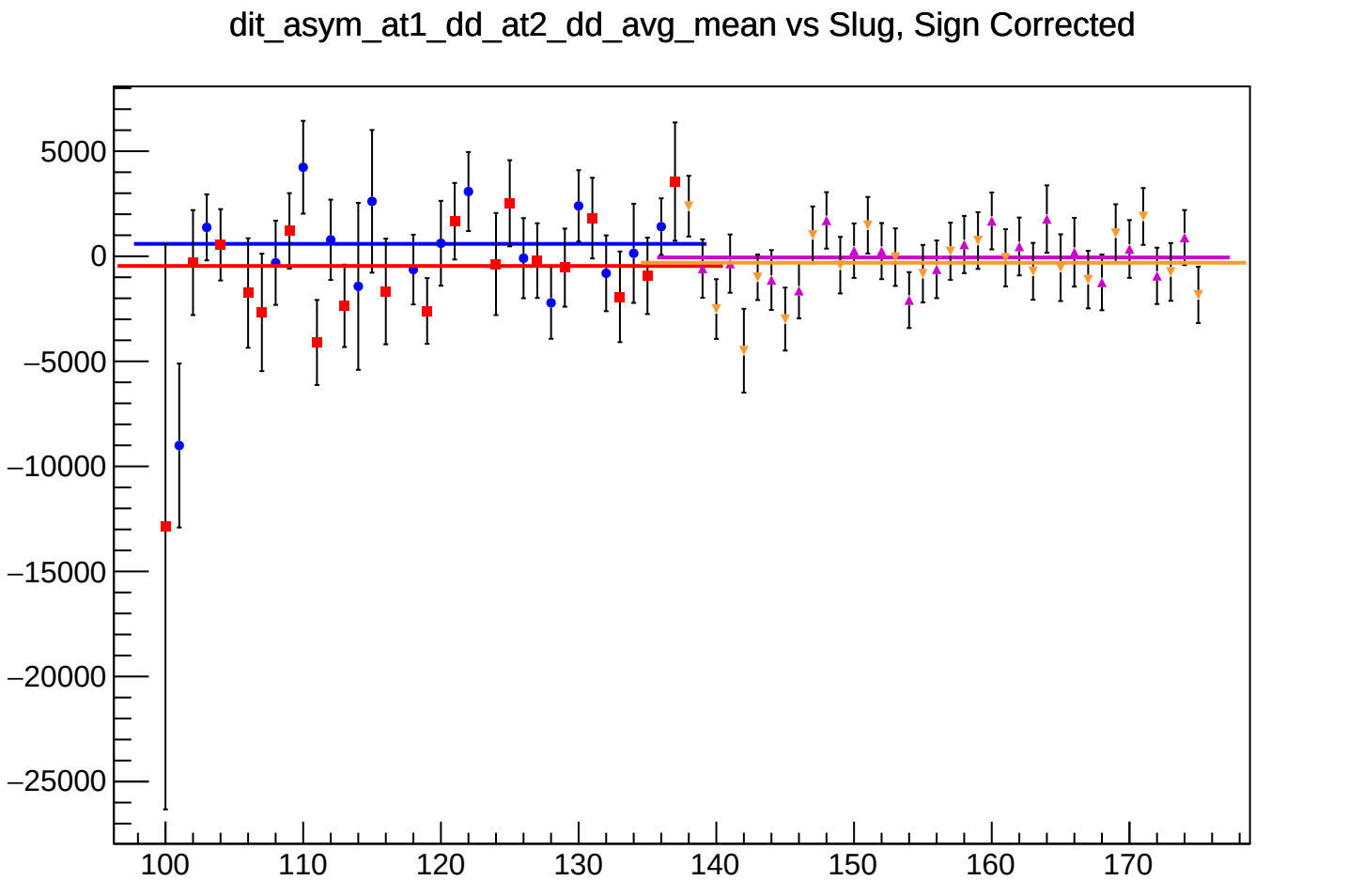
Left: 607.243+/-0.078 χ^2/NDF: 1264278.1/37

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 665.067+/-0.074 χ^2/NDF: 8734161.8/72



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.172+/-323.922 χ^2/NDF:11.7/17

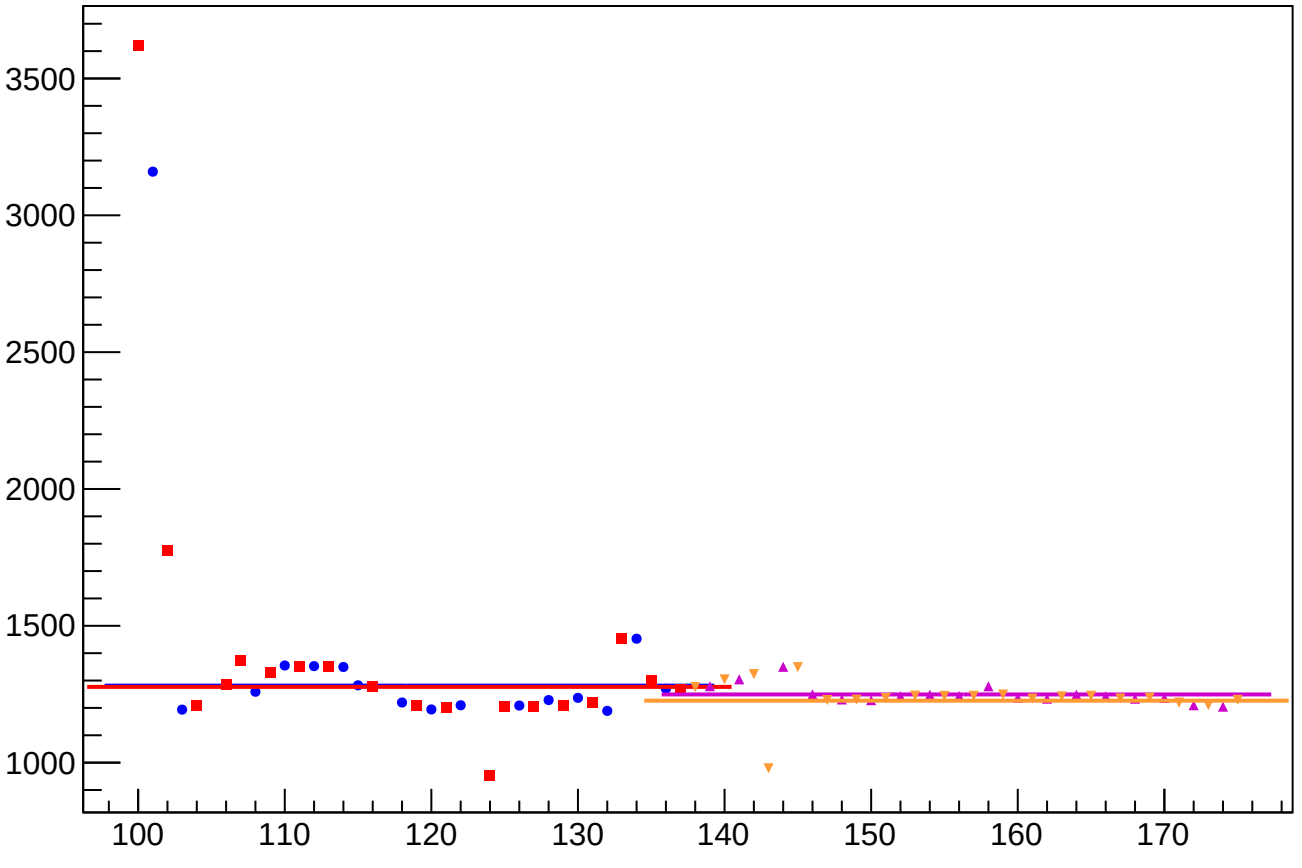
Left: -188.710+/-223.377 χ^2/NDF: 35.2/37

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 142.284+/-269.451 χ^2/NDF:30.0/33

Out: -353.603+/-258.983 χ^2/NDF:40.0/38

All: -115.479+/-186.719 χ^2/NDF: 71.8/72



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

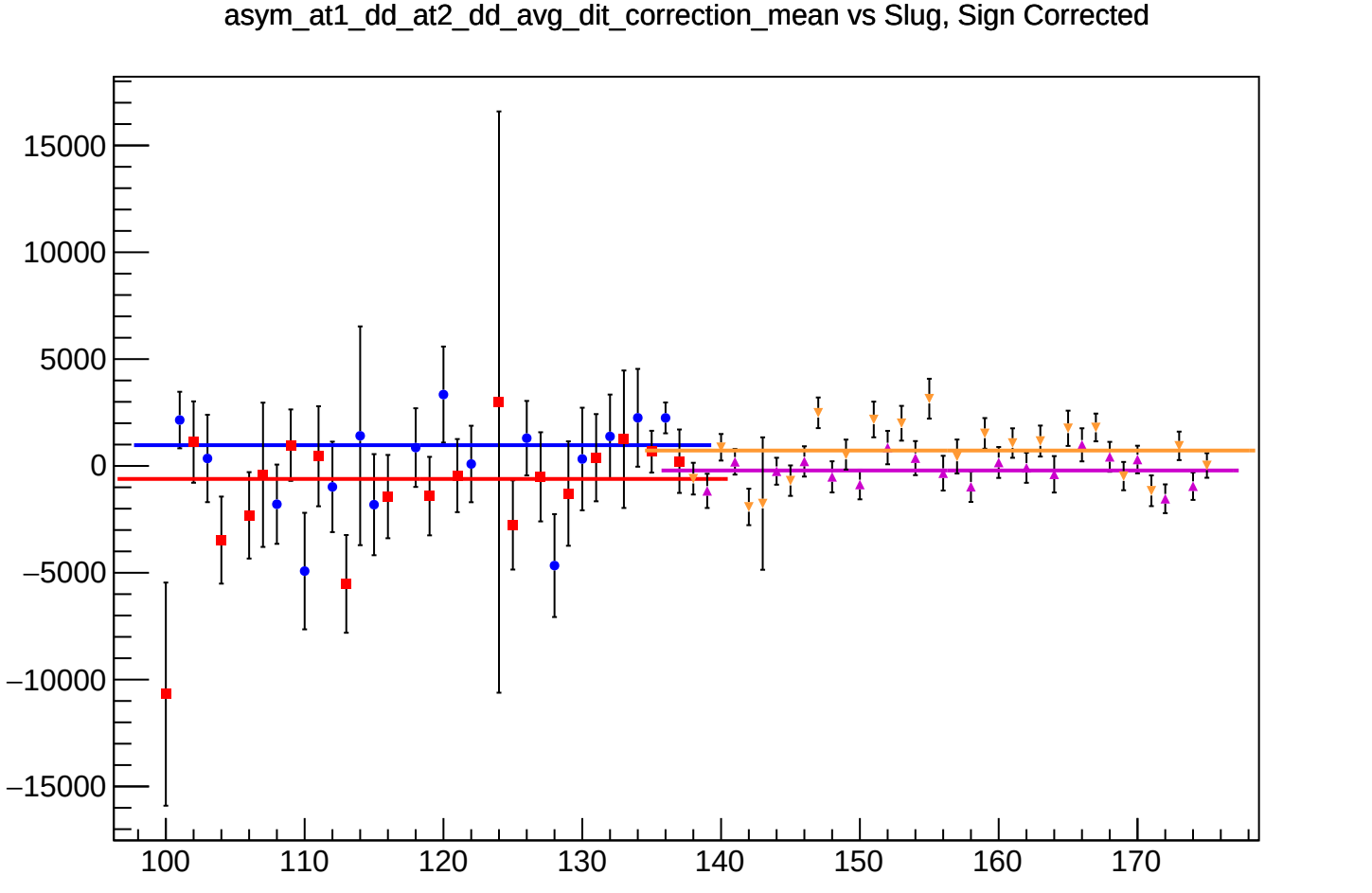
Left: 1237.229+/-0.158 χ^2/NDF: 159518.3/37

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.093+/-0.191 χ^2/NDF:534224.5/33

Out: 1241.285+/-0.183 χ^2/NDF:369577.2/38

All: 1249.836+/-0.132 χ^2/NDF: 908342.9/72



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -212.114+/-167.661 χ^2/NDF:16.3/17

Left: 262.395+/-117.575 χ^2/NDF: 85.8/37

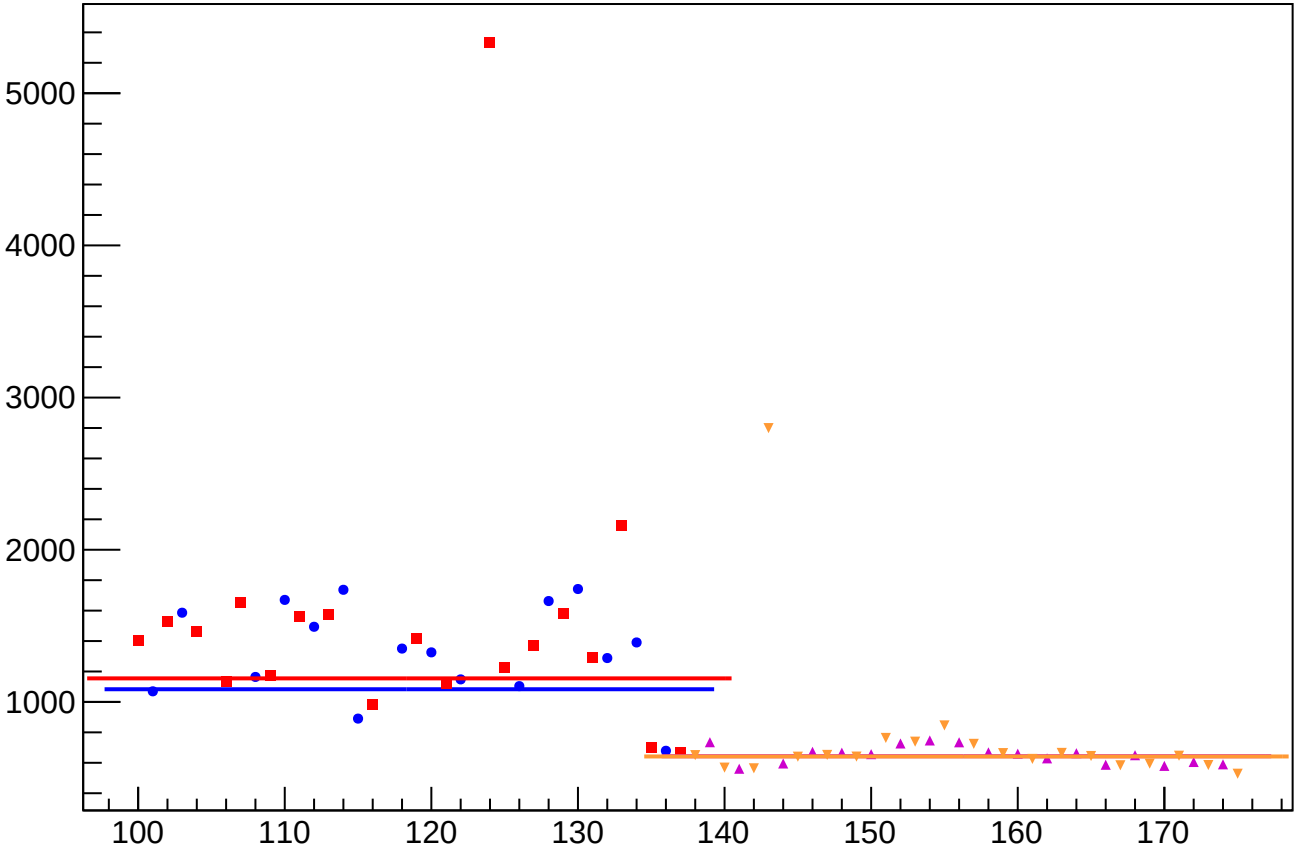
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -52.753+/-155.974 χ^2/NDF:43.4/33

Out: 562.646+/-154.760 χ^2/NDF:78.7/38

All: 257.352+/-109.859 χ^2/NDF: 129.9/72

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326091.2/19

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

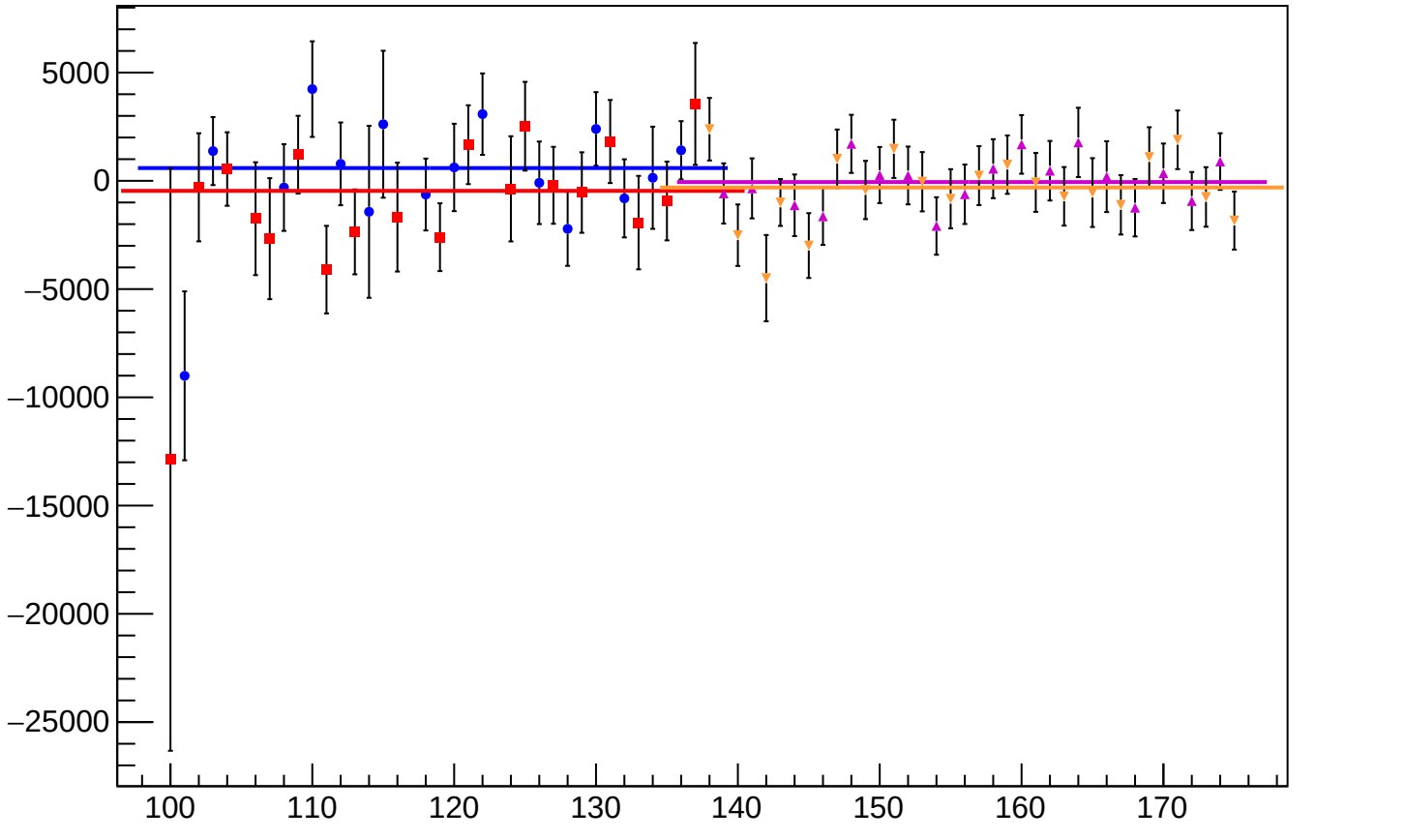
Left: 642.405+/-0.083 χ^2/NDF: 1545629.0/37

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 702.446+/-0.110 χ^2/NDF:3433804.9/33

Out: 702.911+/-0.109 χ^2/NDF:5127341.7/38

All: 702.680+/-0.078 χ^2/NDF: 8561155.6/72



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.171+/-323.922 χ^2/NDF:11.7/17

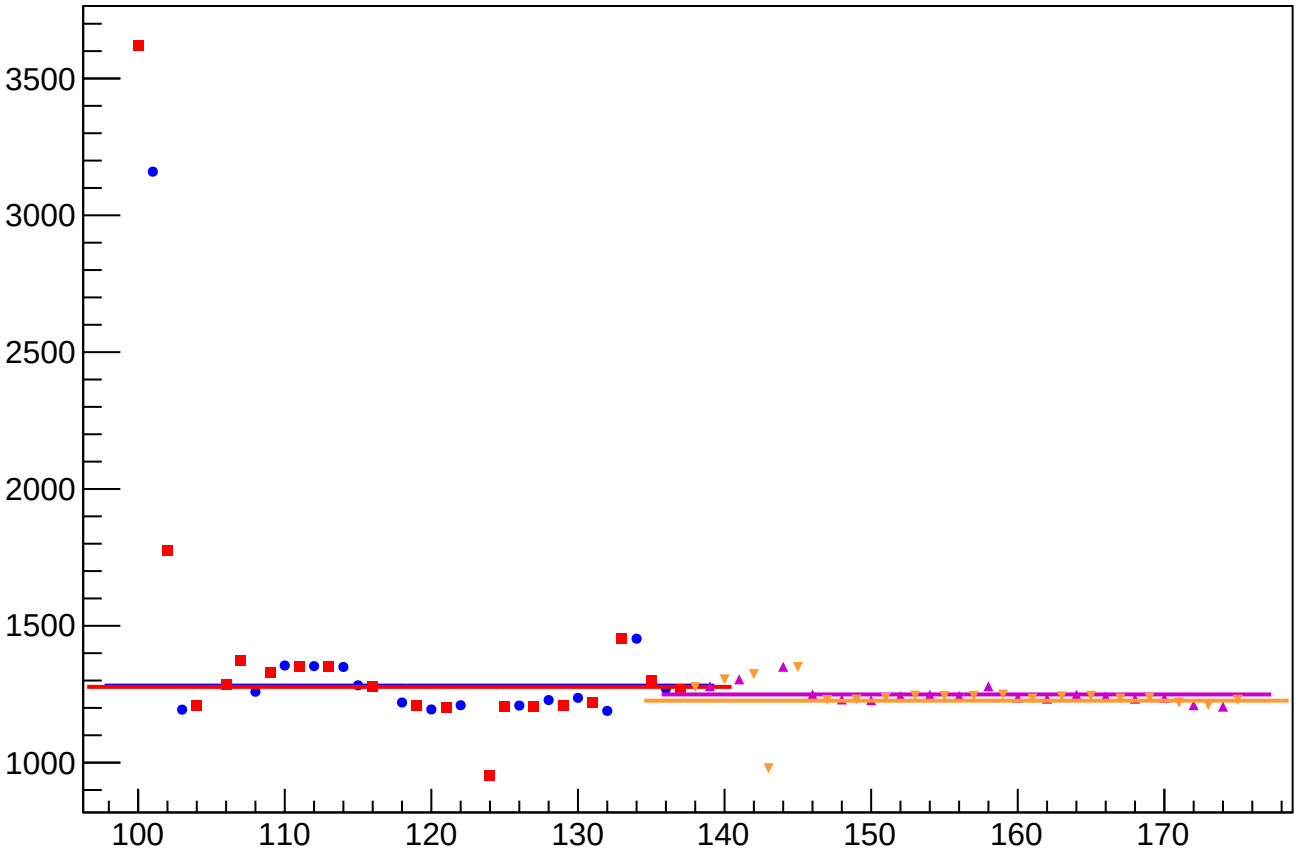
Left: -188.710+/-223.377 χ^2/NDF: 35.2/37

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 142.285+/-269.451 χ^2/NDF:30.0/33

Out: -353.604+/-258.983 χ^2/NDF:40.0/38

All: -115.479+/-186.719 χ^2/NDF: 71.8/72



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133268.3/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

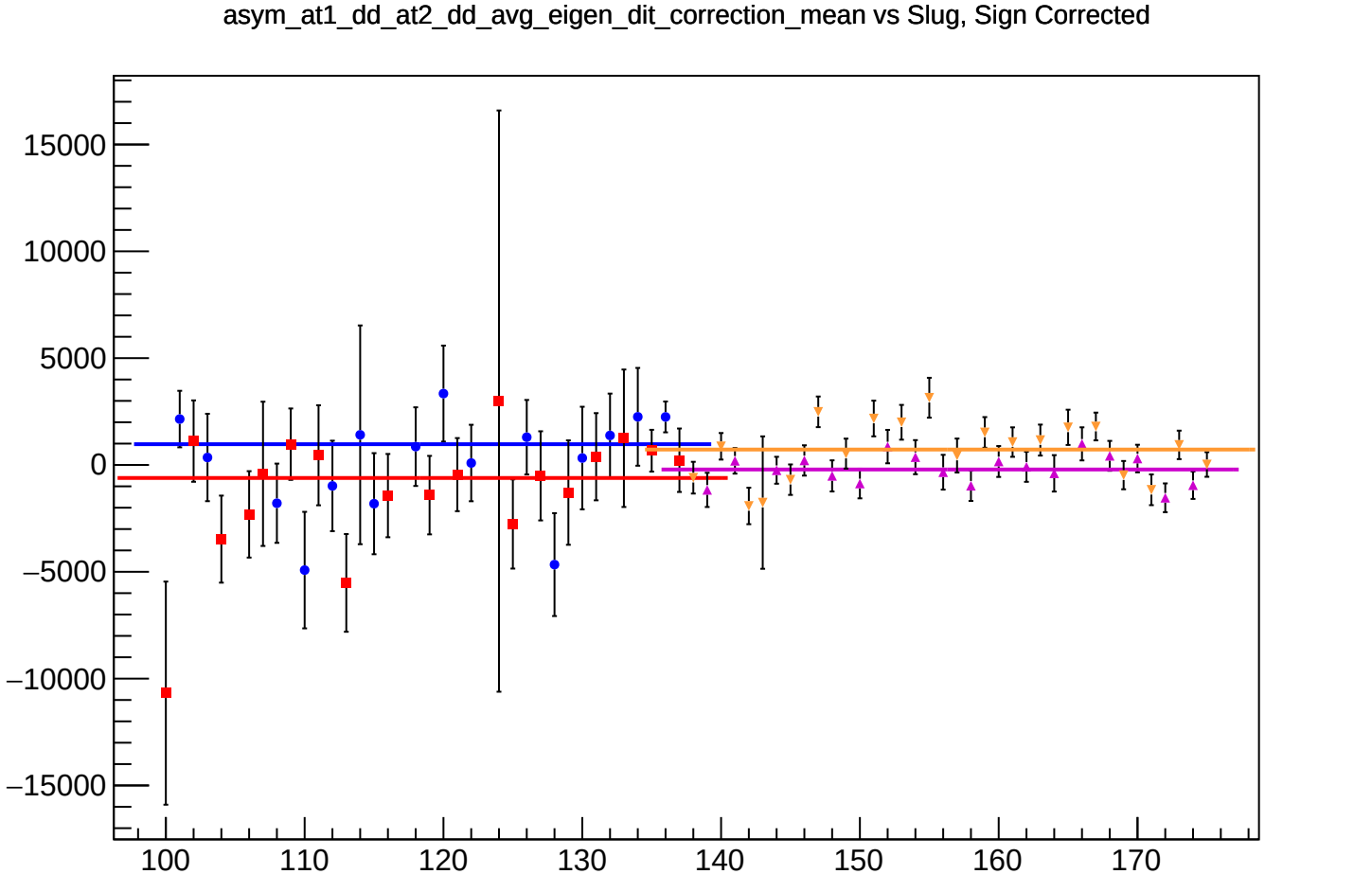
Left: 1237.229+/-0.158 χ^2/NDF: 159517.6/37

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.093+/-0.191 χ^2/NDF:534224.7/33

Out: 1241.285+/-0.183 χ^2/NDF:369576.2/38

All: 1249.836+/-0.132 χ^2/NDF: 908342.2/72



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 721.545+/-164.925 χ^2/NDF:53.8/19

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -212.112+/-167.661 χ^2/NDF:16.3/17

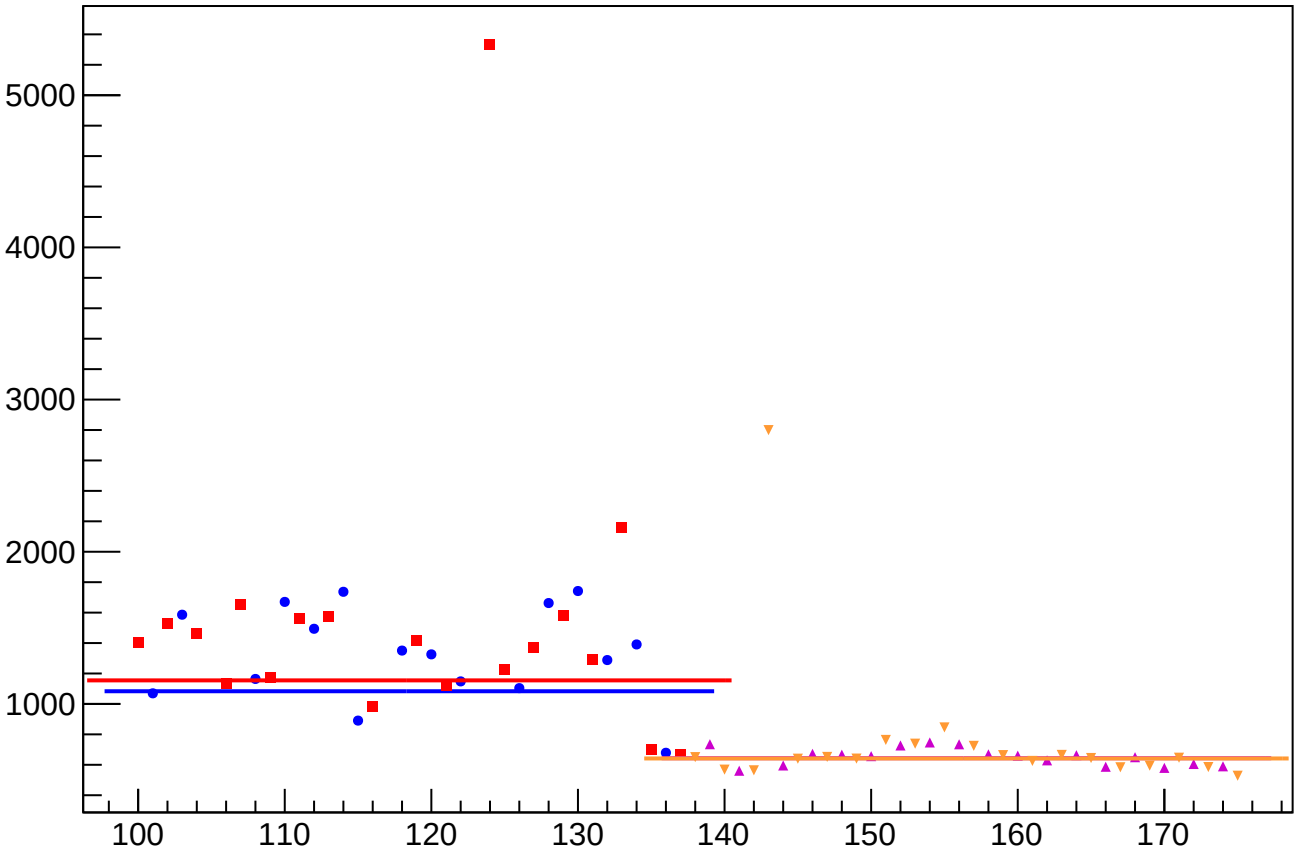
Left: 262.395+/-117.575 χ^2/NDF: 85.8/37

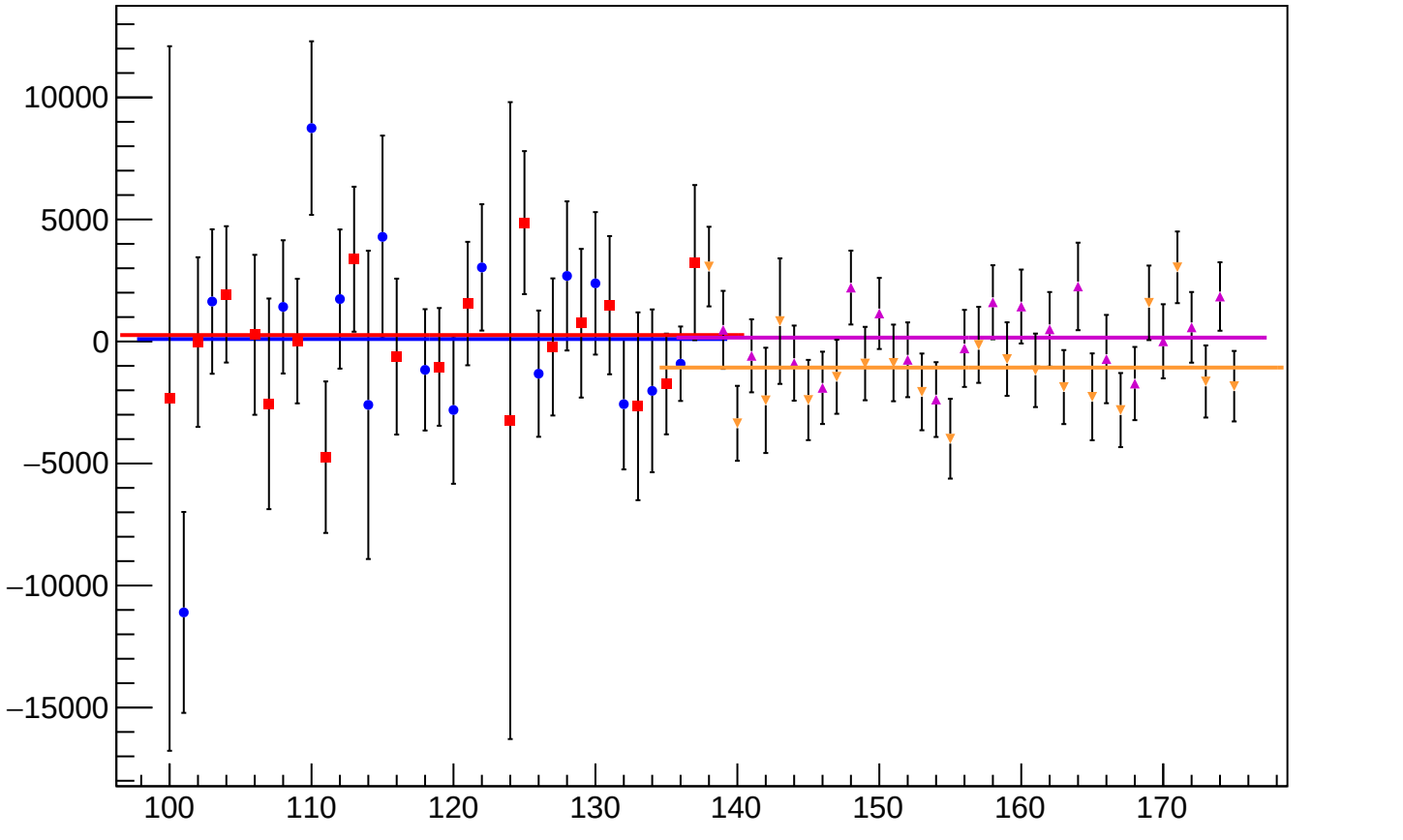
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -52.754+/-155.974 χ^2/NDF:43.4/33

Out: 562.646+/-154.760 χ^2/NDF:78.7/38

All: 257.351+/-109.859 χ^2/NDF: 129.9/72


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 641.607+/-0.117 χ²/NDF:1326088.0/19
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 643.230+/-0.119 χ²/NDF:219446.3/17
Left: 642.405+/-0.083 χ²/NDF: 1545629.5/37
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 702.446+/-0.110 χ²/NDF:3433799.0/33
Out: 702.912+/-0.109 χ²/NDF:5127334.3/38
All: 702.681+/-0.078 χ²/NDF: 8561142.3/72



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 158.419+/-361.362 χ^2/NDF:14.5/17

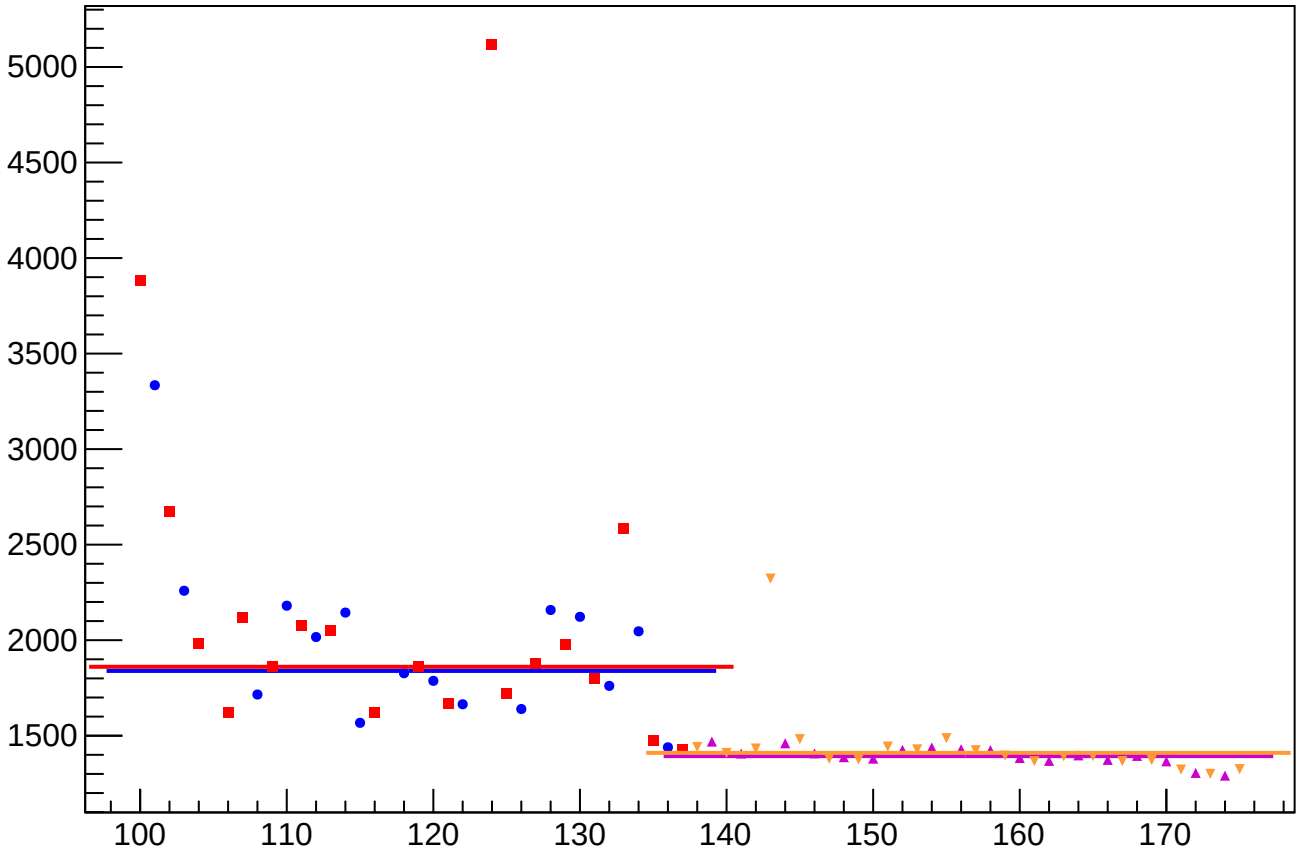
Left: -464.562+/-253.485 χ^2/NDF: 48.0/37

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 146.193+/-321.002 χ^2/NDF:35.8/33

Out: -794.829+/-317.061 χ^2/NDF:40.9/38

All: -330.130+/-225.577 χ^2/NDF: 81.0/72



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

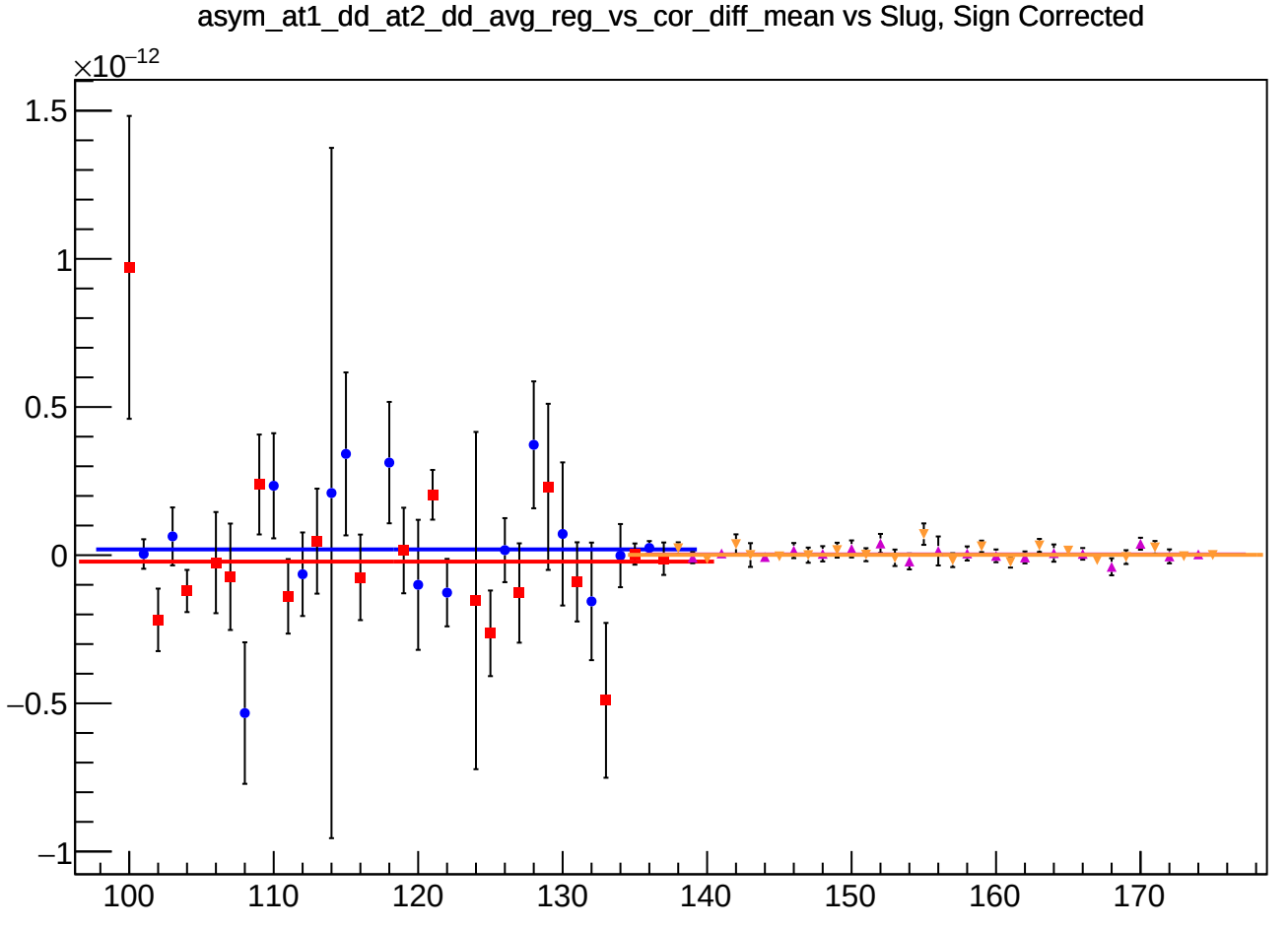
Left: 1401.940+/-0.179 χ^2/NDF: 329414.4/37

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1487.230+/-0.227 χ^2/NDF:1232049.6/33

Out: 1502.889+/-0.224 χ^2/NDF:1474547.5/38

All: 1495.156+/-0.160 χ^2/NDF: 2709006.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

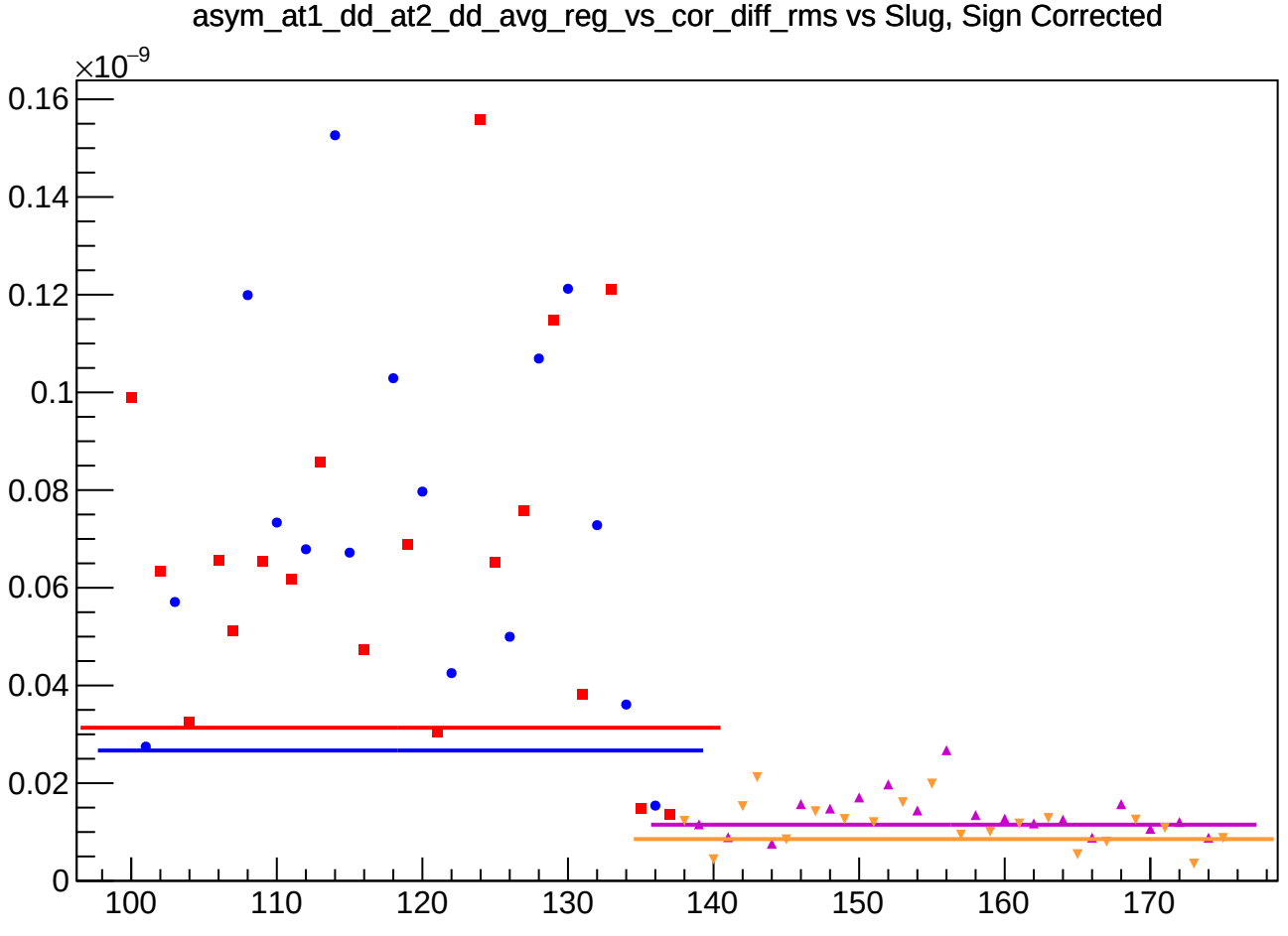
Left: 0.000+/-0.000 χ^2/NDF: 28.0/37

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.6/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/38

All: 0.000+/-0.000 χ^2/NDF: 74.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

Left: 0.000+/-0.000 χ^2/NDF: 3303340.3/37

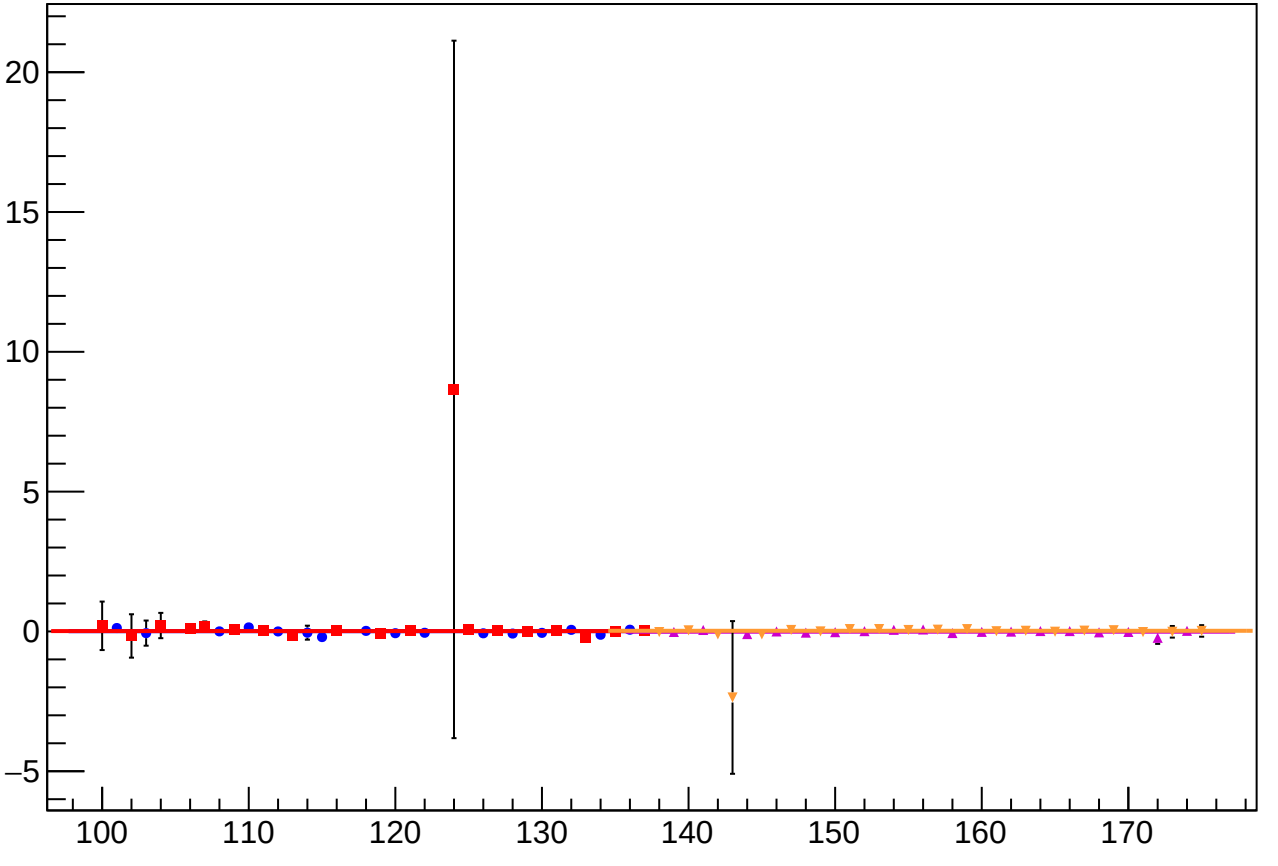
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4688338.9/33

Out: 0.000+/-0.000 χ^2/NDF:6297085.6/38

All: 0.000+/-0.000 χ^2/NDF: 11516519.0/72

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

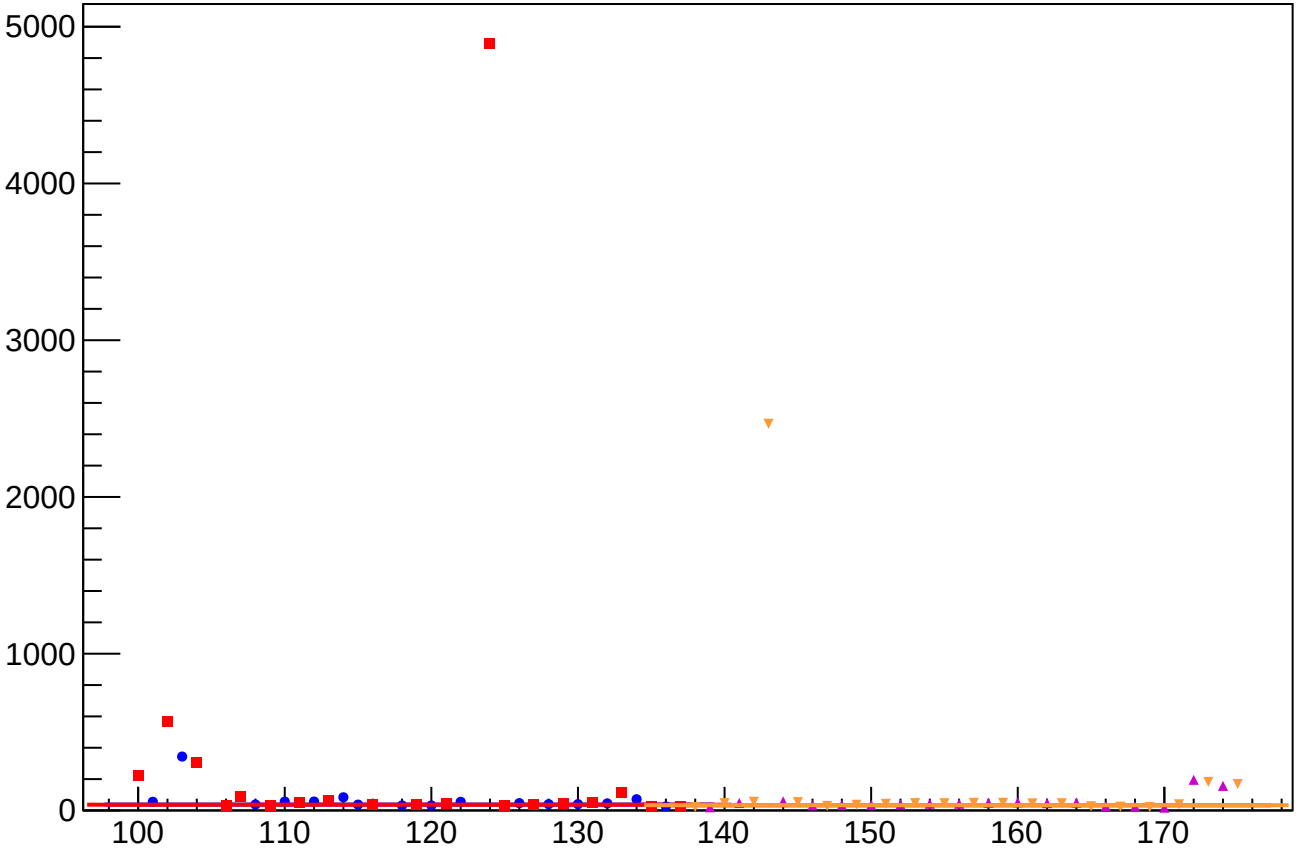
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

Left: 33.129+/-0.005 χ^2/NDF: 10676967.5/37

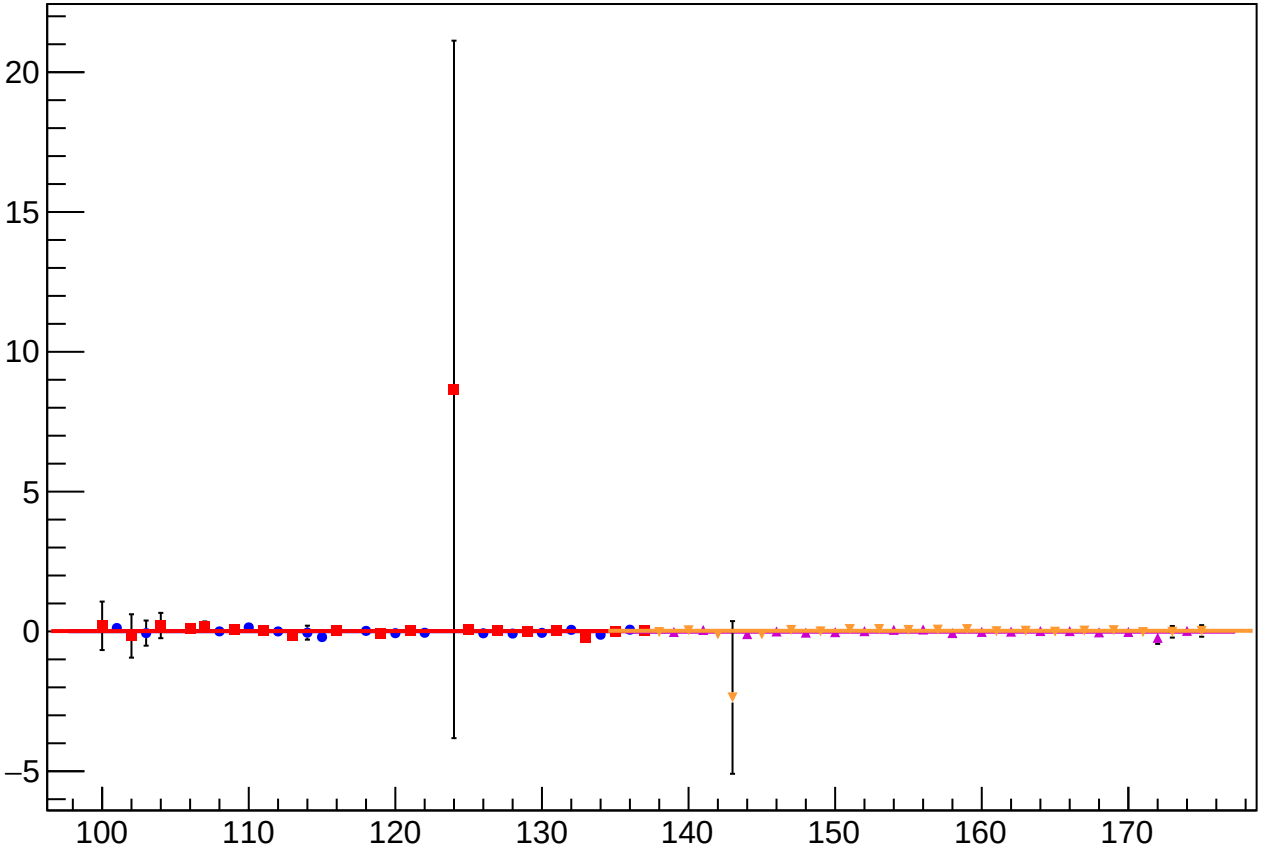
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

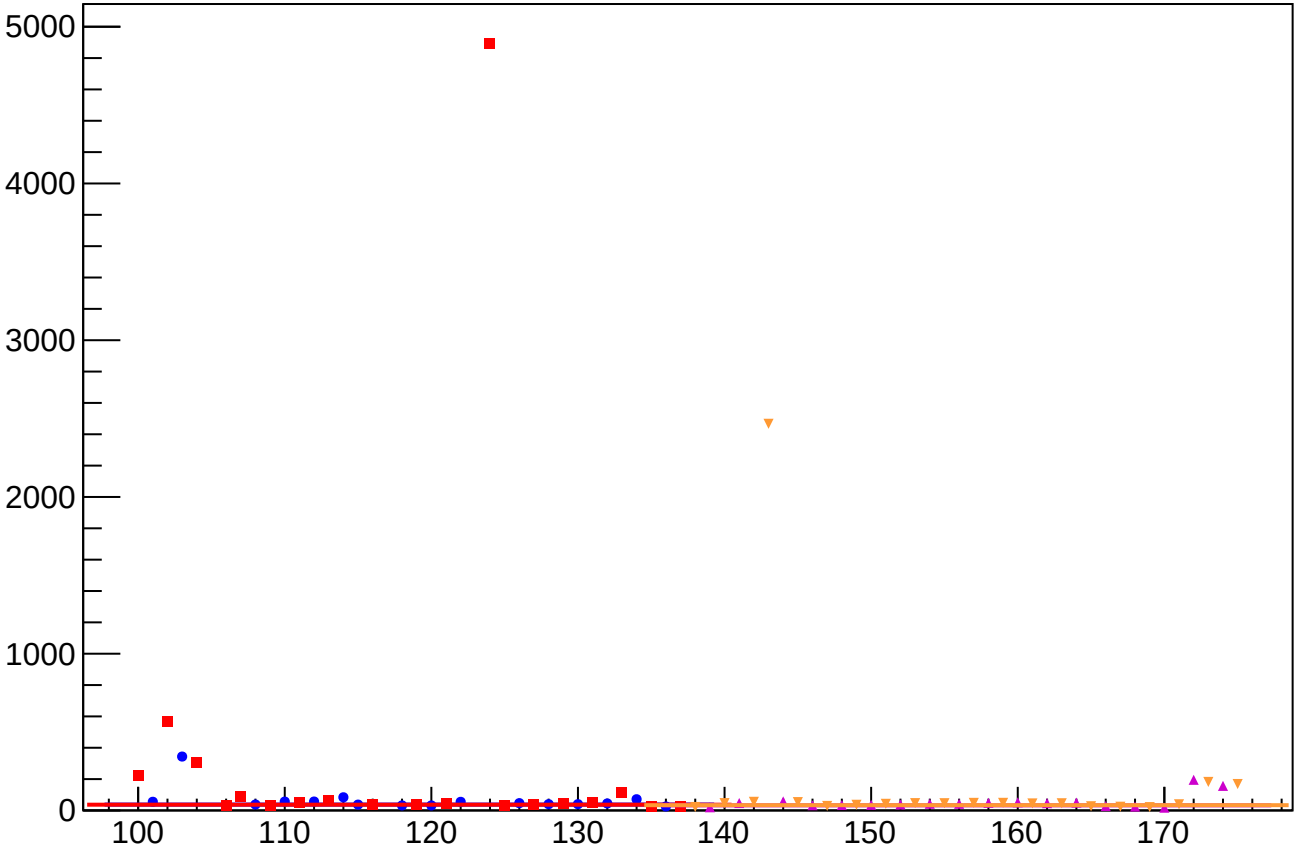
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

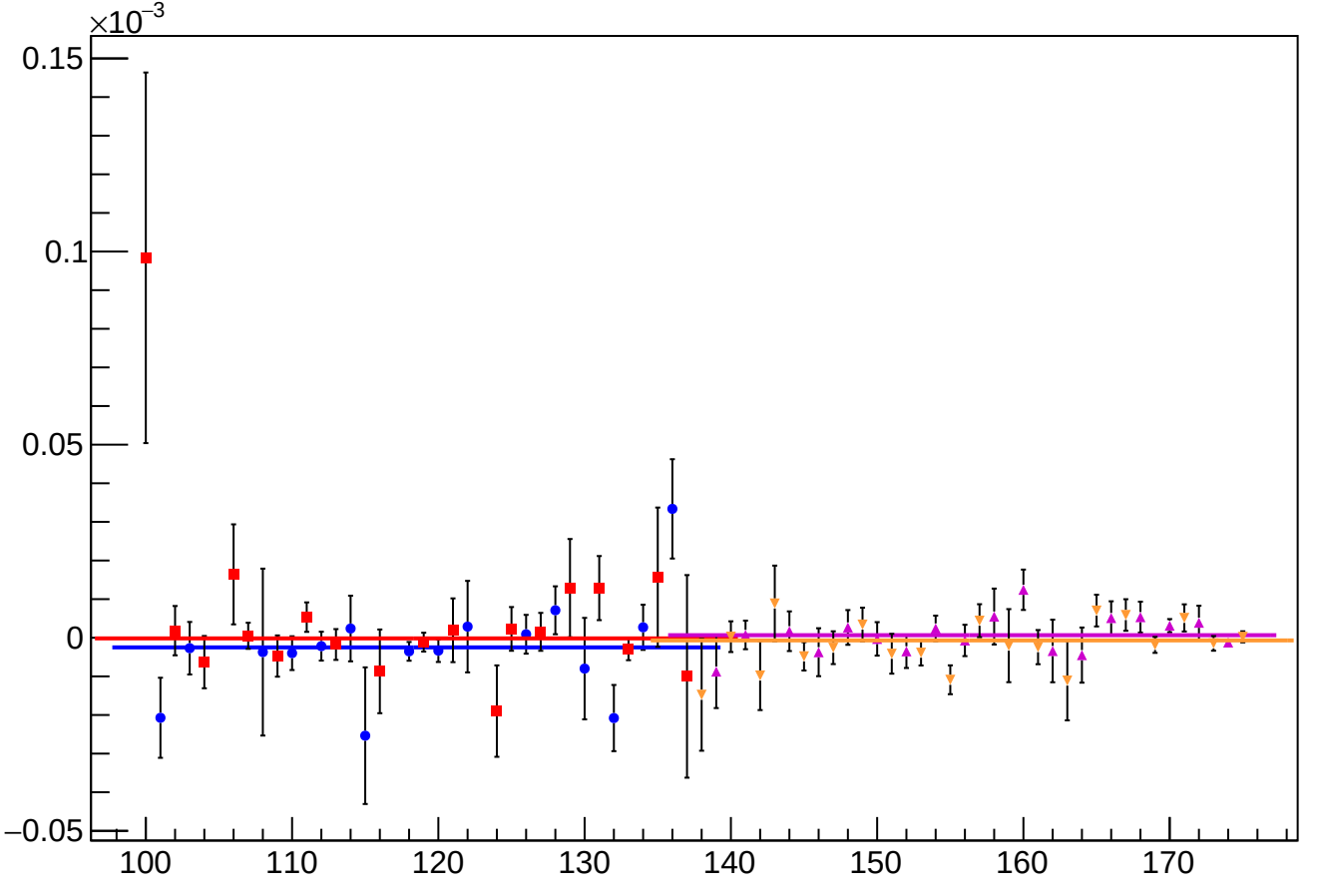
Left: 33.129+/-0.005 χ^2/NDF: 10676967.5/37

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.237+/-0.004 χ^2/NDF: 16027623.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

Left: 0.000+/-0.000 χ^2/NDF: 45.7/37

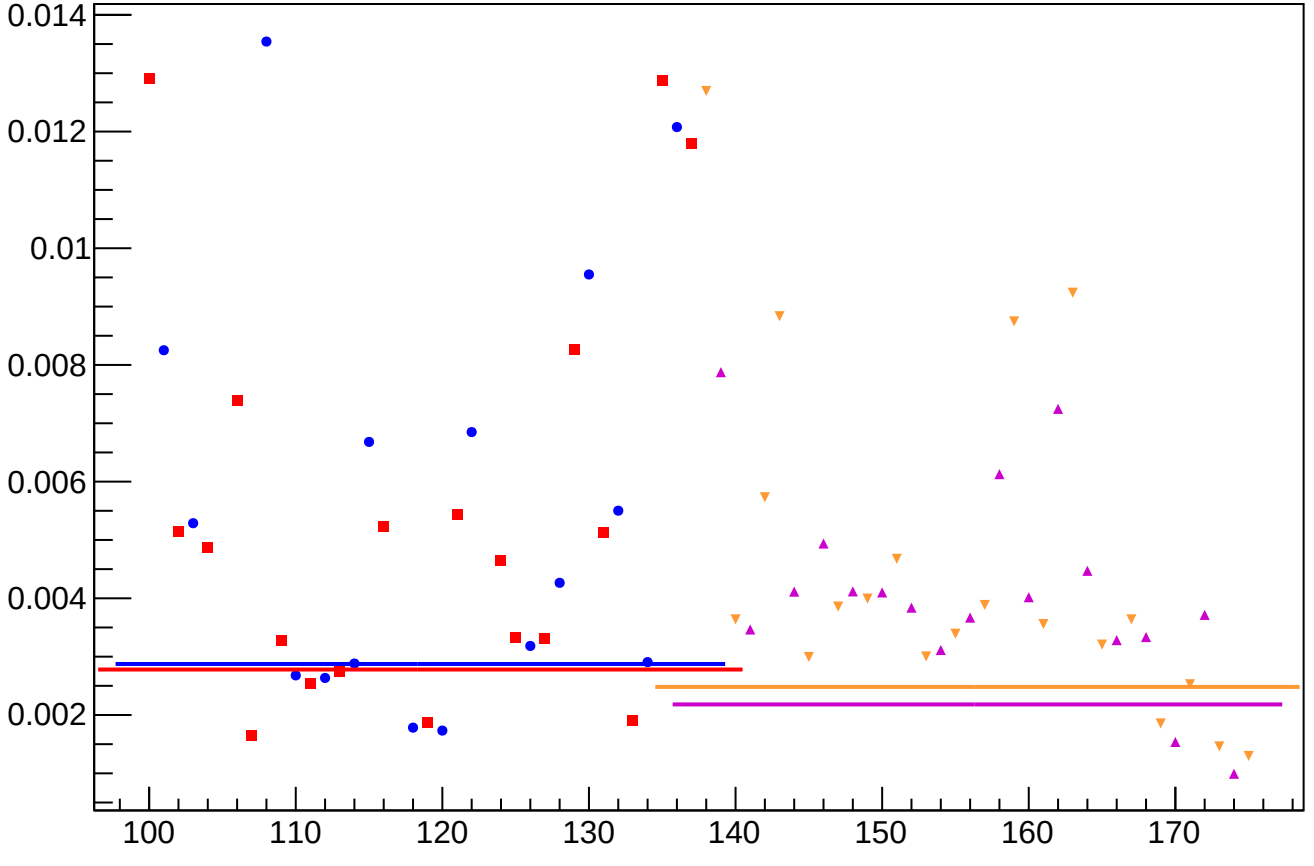
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:43.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.5/38

All: -0.000+/-0.000 χ^2/NDF: 89.6/72

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:7693908.4/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8209974.0/17

Left: 0.002+/-0.000 χ^2/NDF: 16070150.5/37

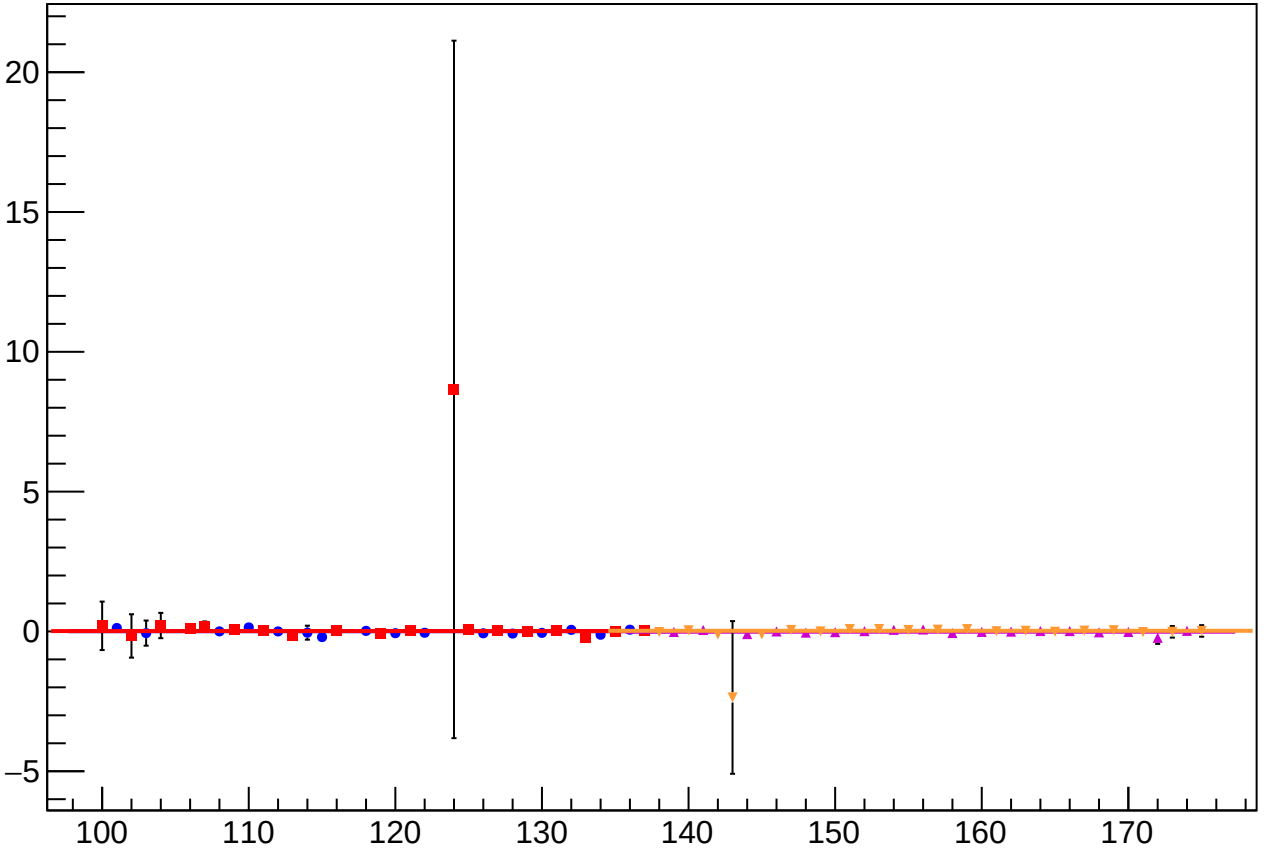
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:12793951.6/33

Out: 0.003+/-0.000 χ^2/NDF:11097233.2/38

All: 0.002+/-0.000 χ^2/NDF: 24015967.6/72

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

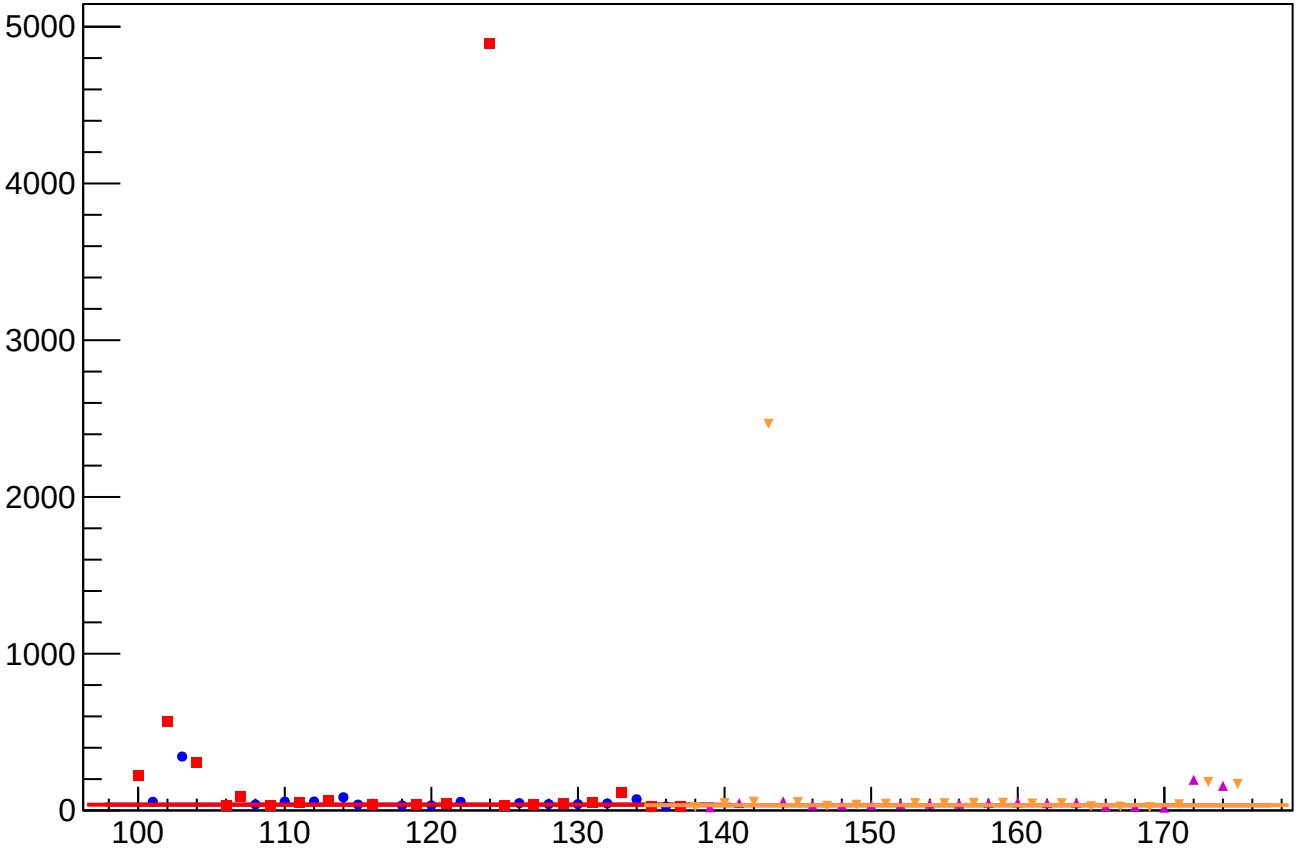
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

Left: 33.130+/-0.005 χ^2/NDF: 10675803.0/37

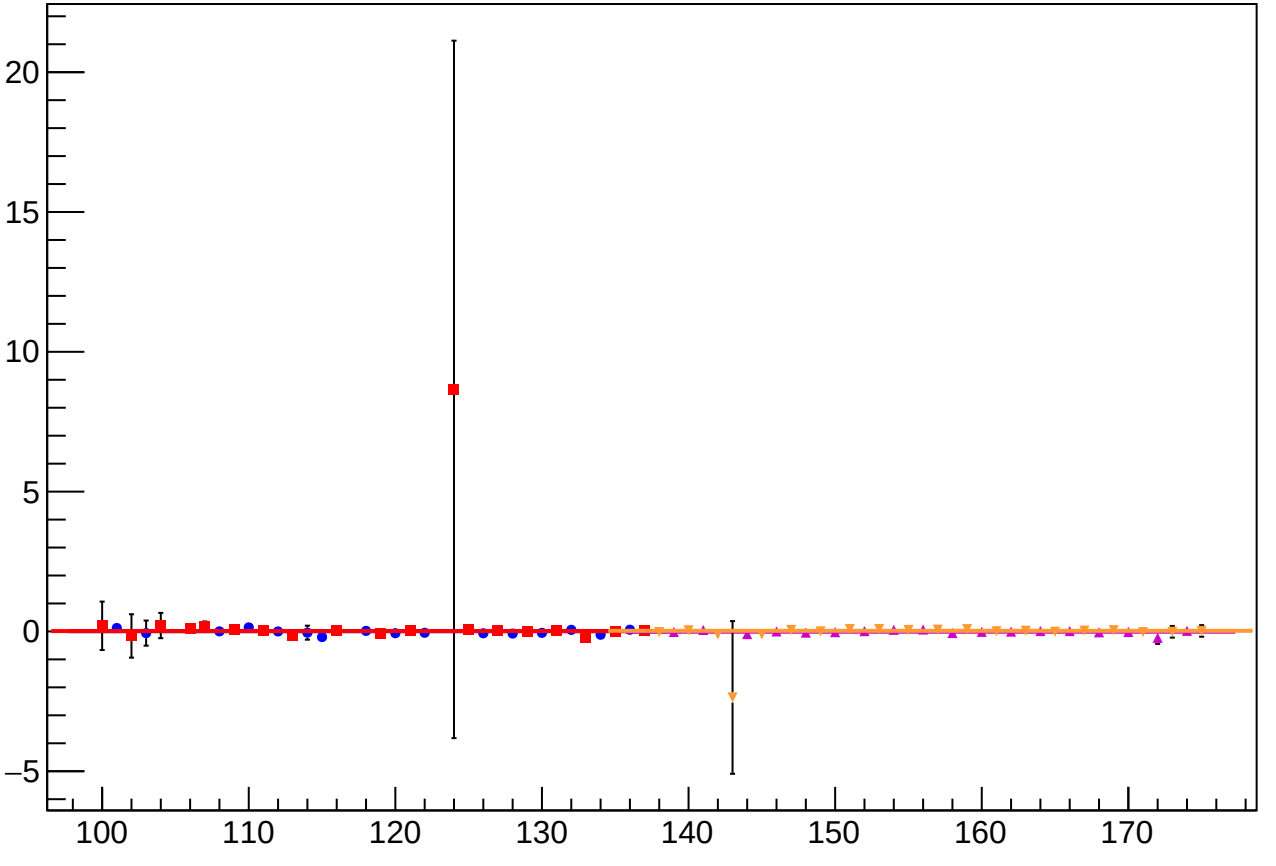
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

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

Left: 0.006+/-0.007 χ^2/NDF: 35.4/37

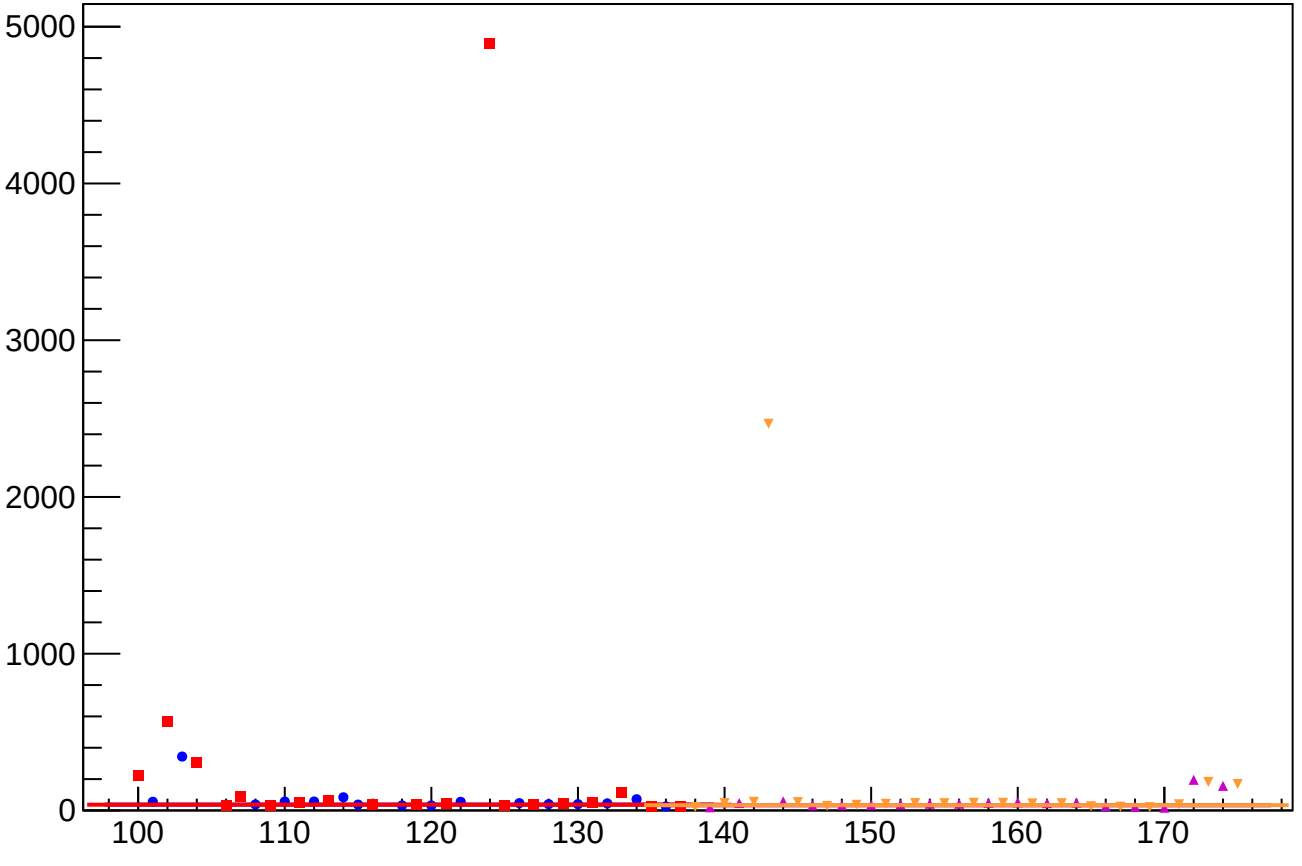
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/72

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

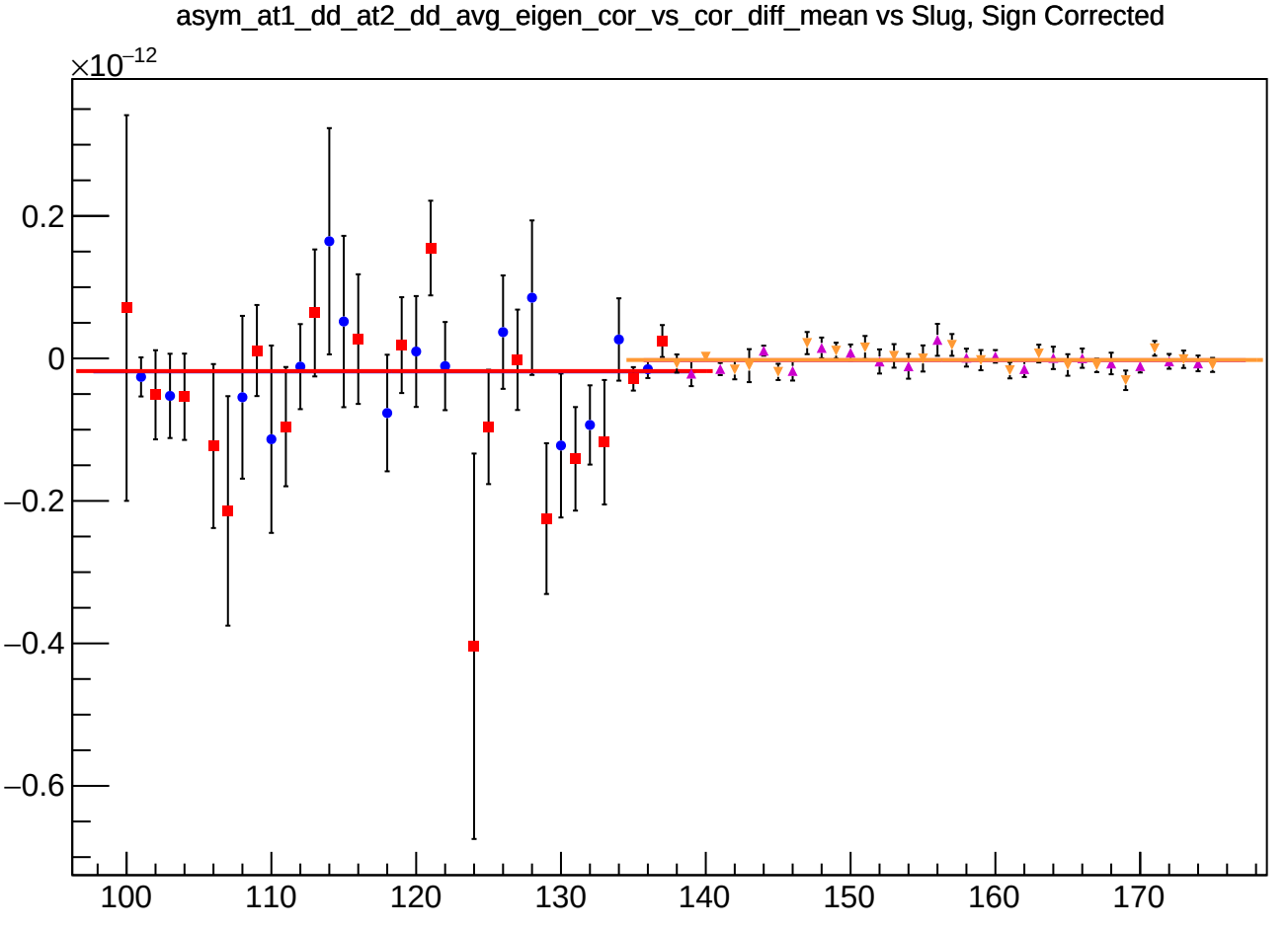
Left: 33.130+/-0.005 χ^2/NDF: 10675803.0/37

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.237+/-0.004 χ^2/NDF: 16026112.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

Left: -0.000+/-0.000 χ^2/NDF: 36.0/37

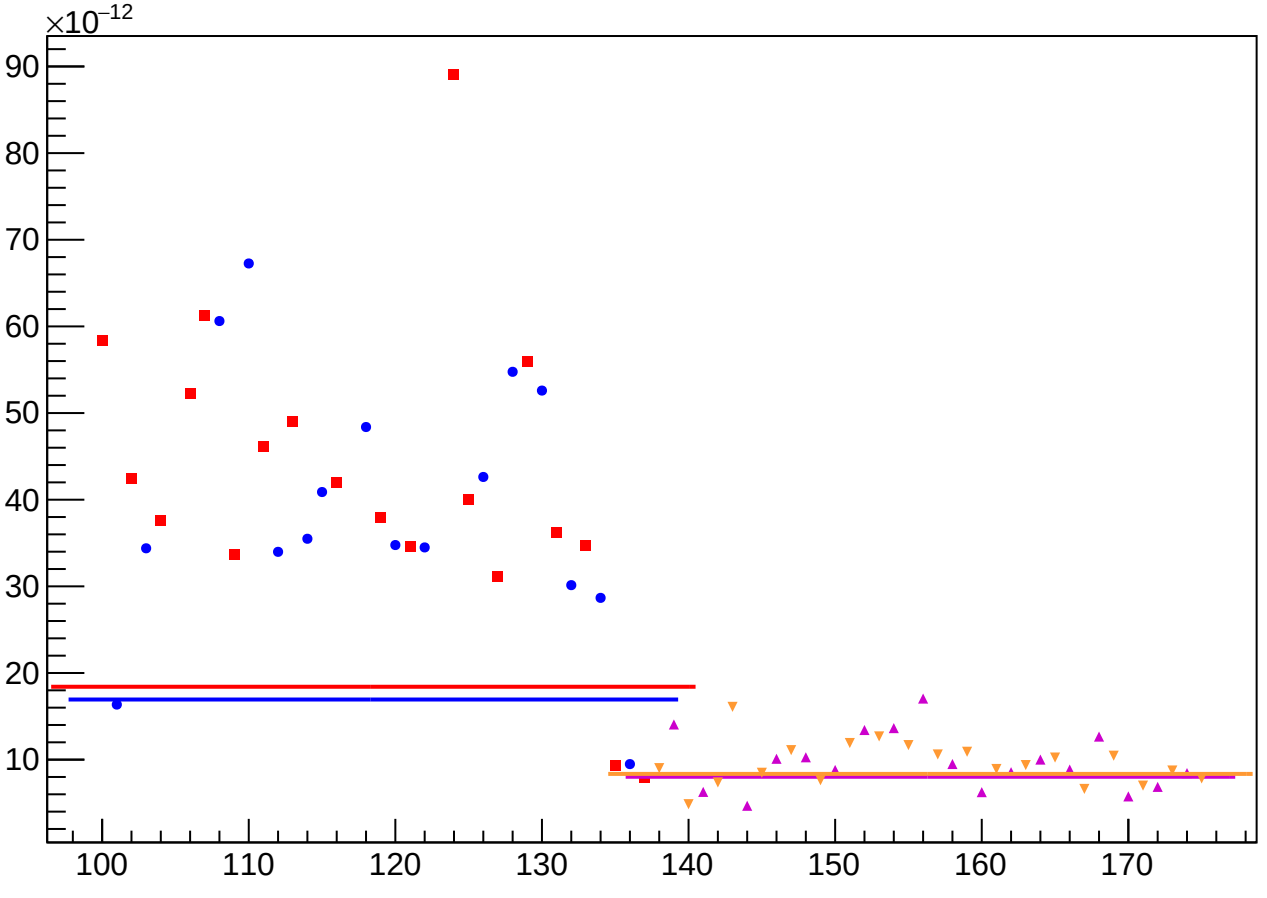
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/33

Out: -0.000+/-0.000 χ^2/NDF:50.2/38

All: -0.000+/-0.000 χ^2/NDF: 75.8/72

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459012.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2102767.1/17

Left: 0.000+/-0.000 χ^2/NDF: 3576403.5/37

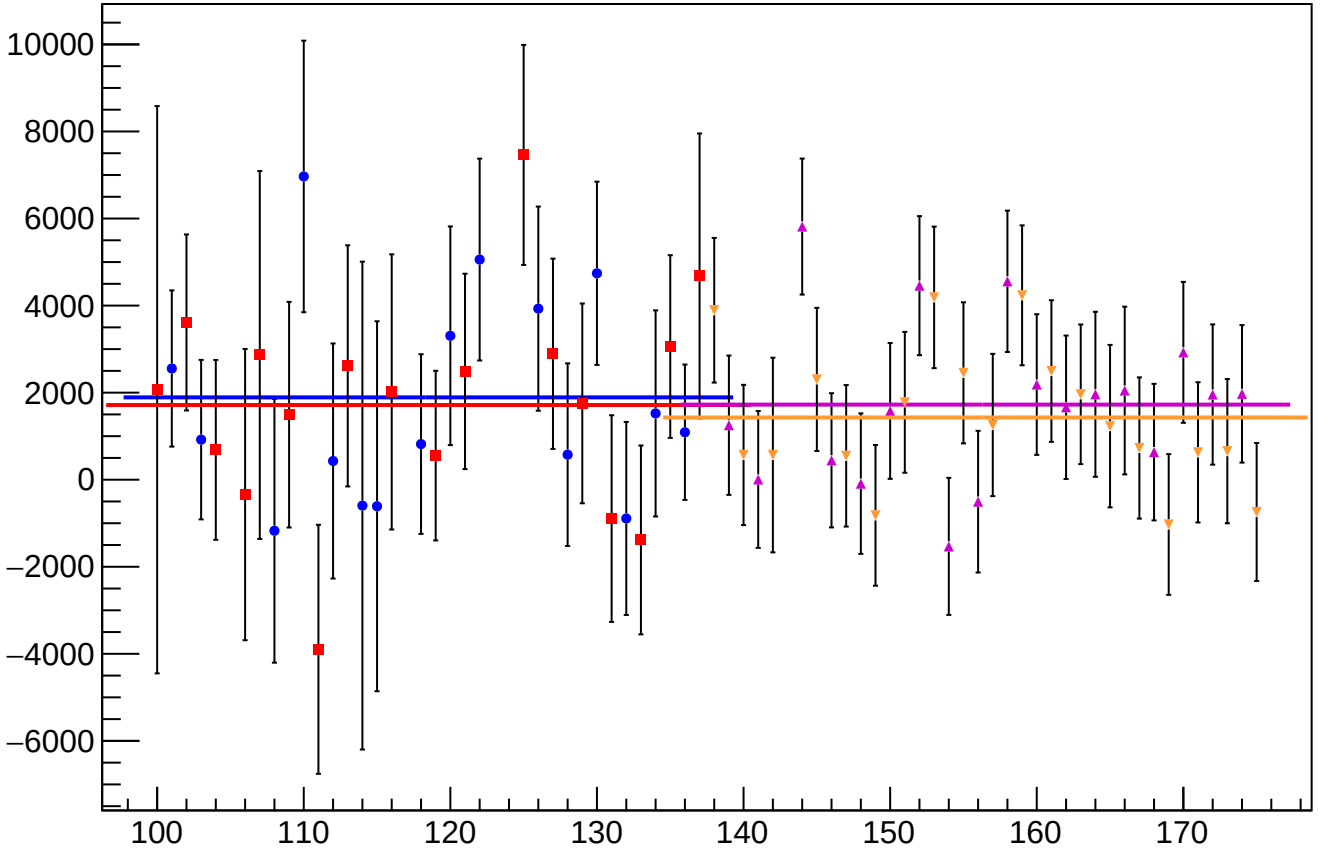
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6812973.5/33

Out: 0.000+/-0.000 χ^2/NDF:6695711.1/38

All: 0.000+/-0.000 χ^2/NDF: 13519251.2/72

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.333+/-379.416 χ^2/NDF:16.9/18

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1725.035+/-382.202 χ^2/NDF:23.4/17

Left: 1576.102+/-269.268 χ^2/NDF: 40.7/36

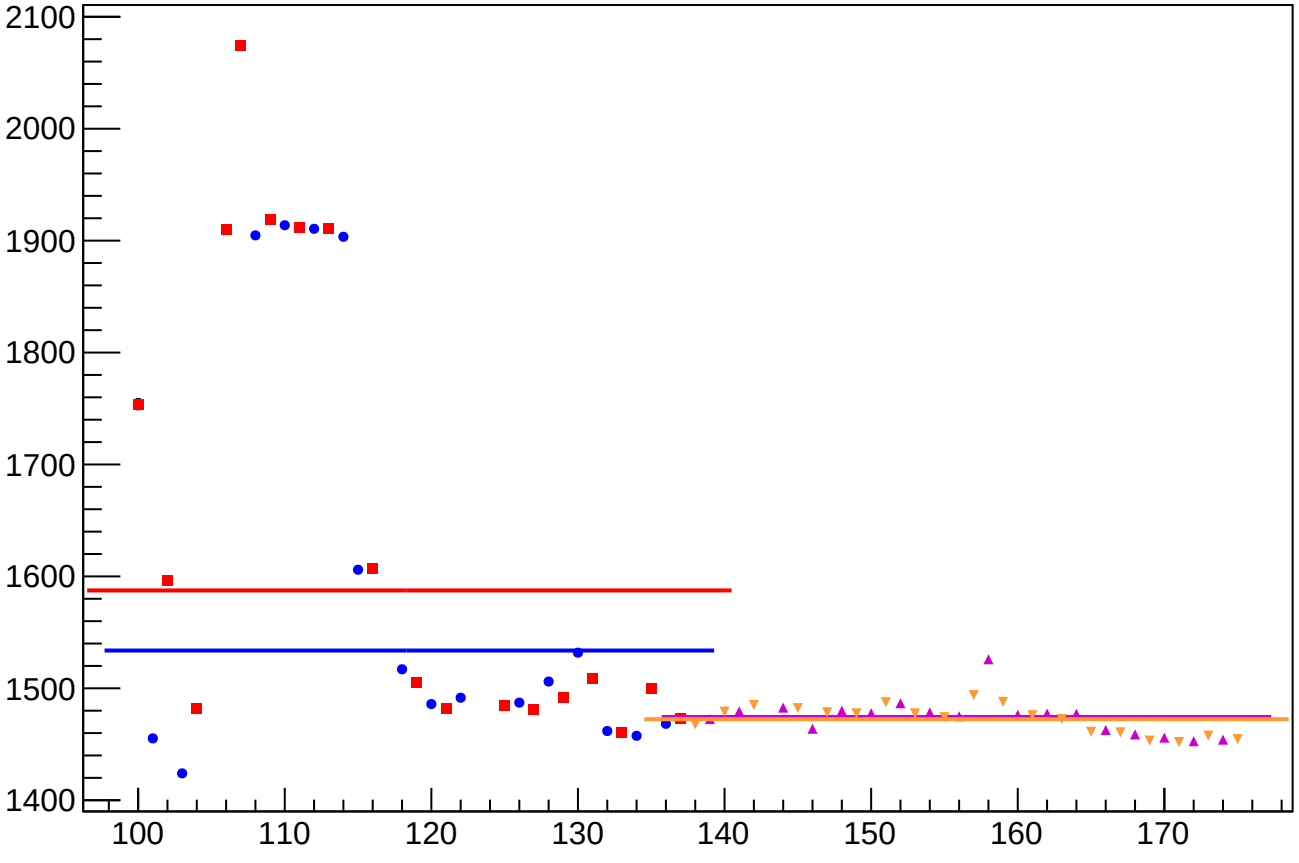
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1776.373+/-317.831 χ^2/NDF:35.7/33

Out: 1513.271+/-319.048 χ^2/NDF:33.1/36

All: 1645.325+/-225.169 χ^2/NDF: 69.1/70

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

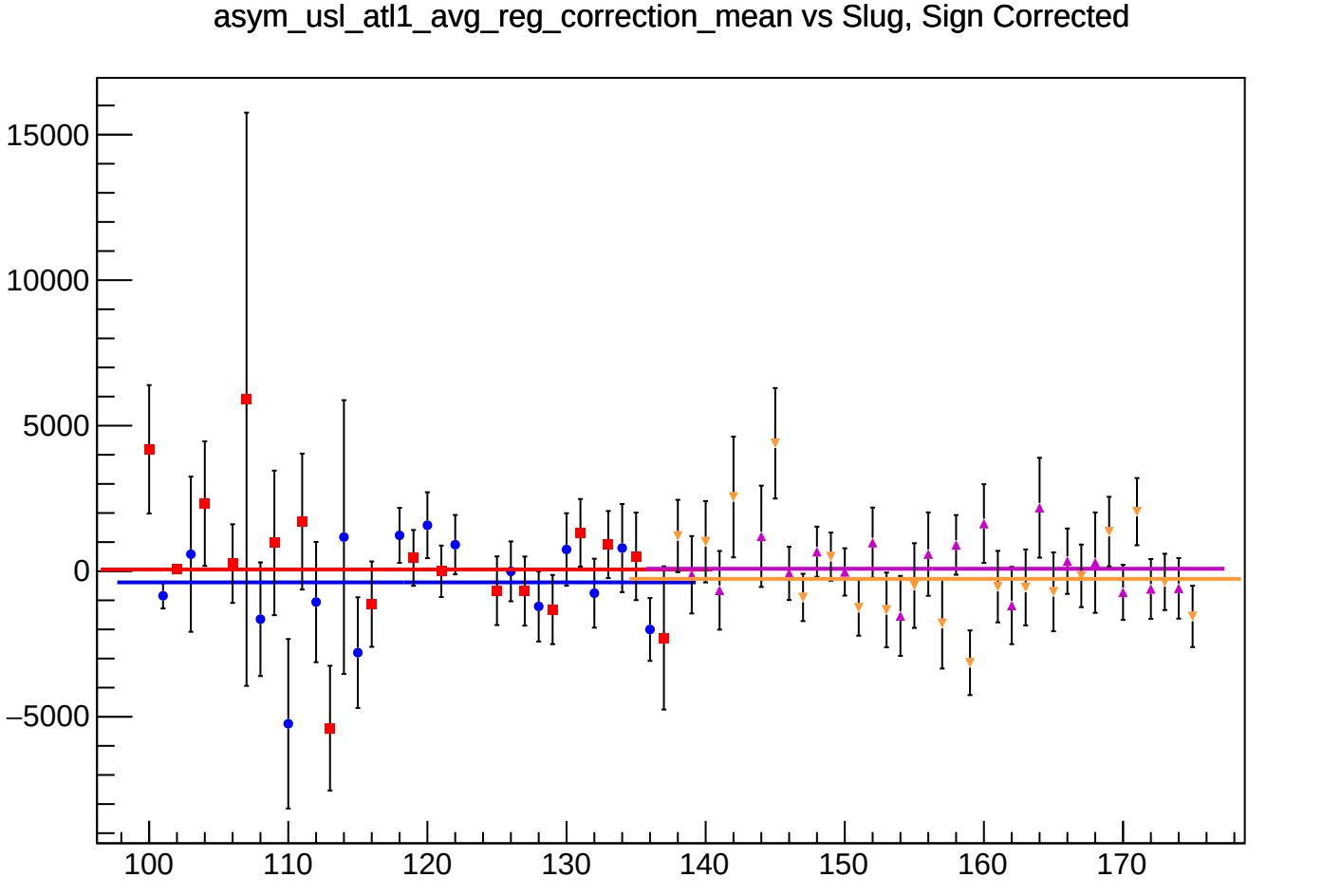
Left: 1473.373+/-0.190 χ^2/NDF: 5777.8/36

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1492.698+/-0.225 χ^2/NDF:147757.8/33

Out: 1506.091+/-0.226 χ^2/NDF:228039.0/36

All: 1499.369+/-0.159 χ^2/NDF: 377565.6/70



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.155+/-266.151 χ^2/NDF:28.6/18

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 84.766+/-269.889 χ^2/NDF:9.3/17

Left: -91.621+/-189.505 χ^2/NDF: 38.8/36

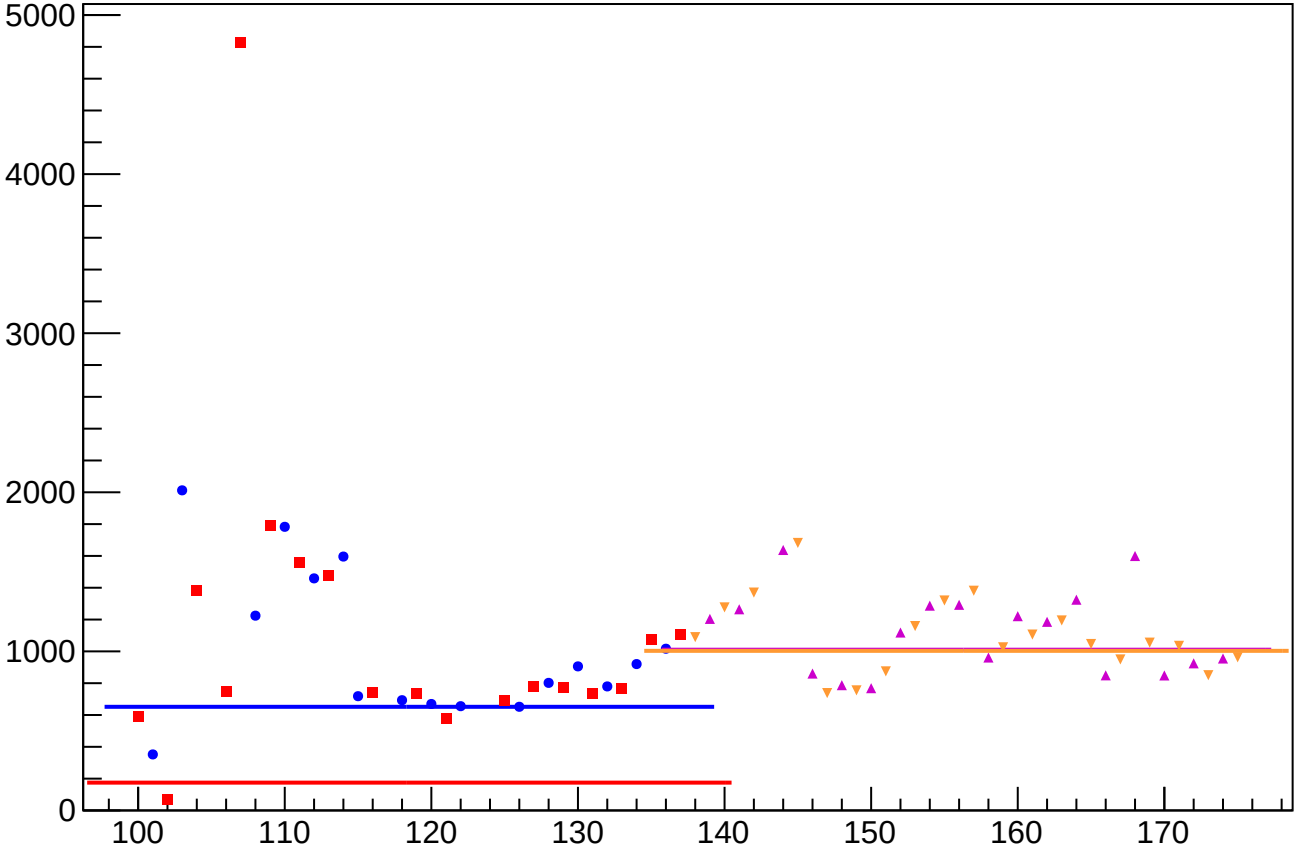
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -147.010+/-191.655 χ^2/NDF:29.0/33

Out: -0.497+/-115.134 χ^2/NDF:47.6/36

All: -39.349+/-98.694 χ^2/NDF: 77.1/70

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1003.303+/-0.188 χ^2/NDF:1199937.5/18

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1010.492+/-0.191 χ^2/NDF:1420179.3/17

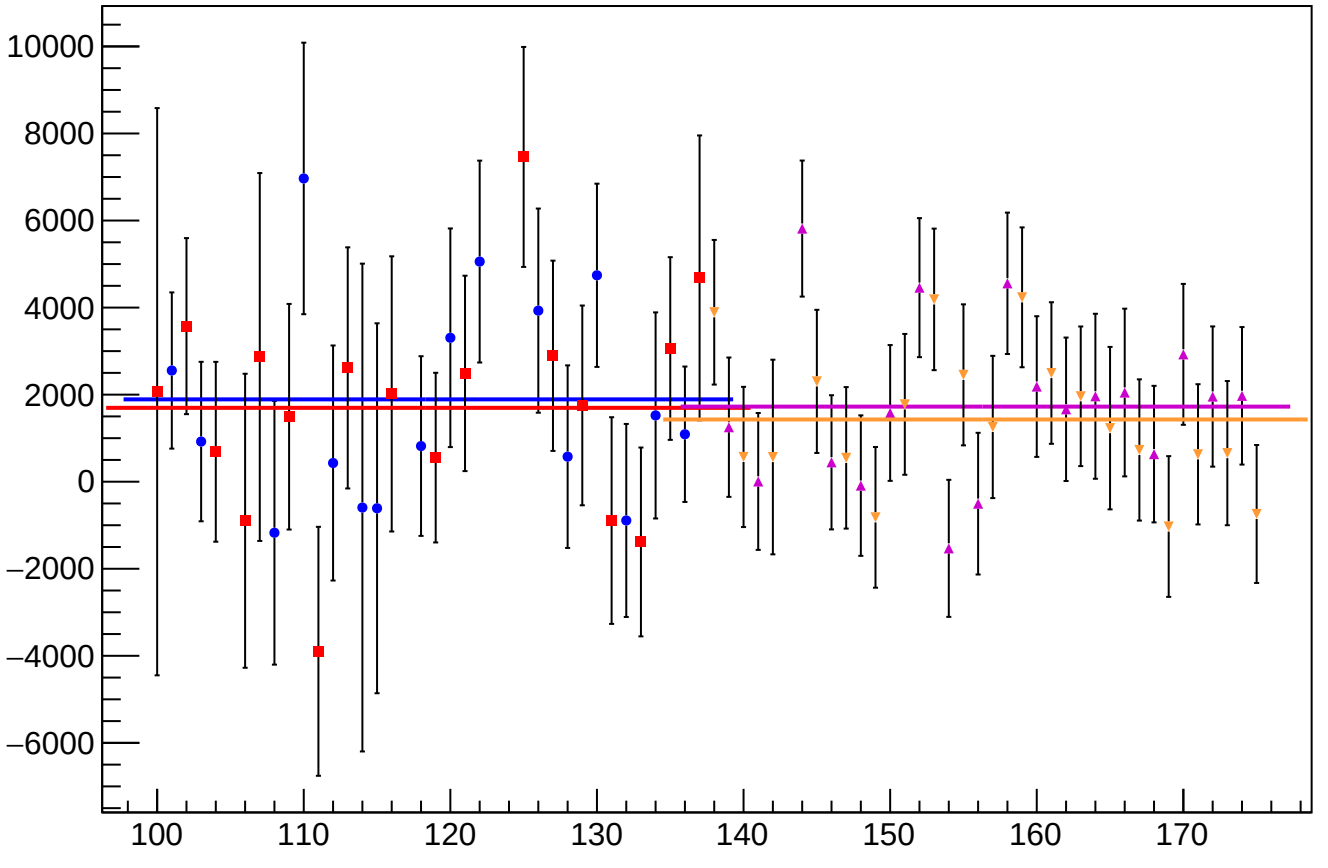
Left: 1006.848+/-0.134 χ^2/NDF: 2620836.2/36

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 832.544+/-0.136 χ^2/NDF:5936758.4/33

Out: 329.920+/-0.081 χ^2/NDF:26711157.4/36

All: 463.206+/-0.070 χ^2/NDF: 42755648.8/70



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1725.111+/-382.202 χ^2/NDF:23.4/17

Left: 1576.133+/-269.268 χ^2/NDF: 40.7/36

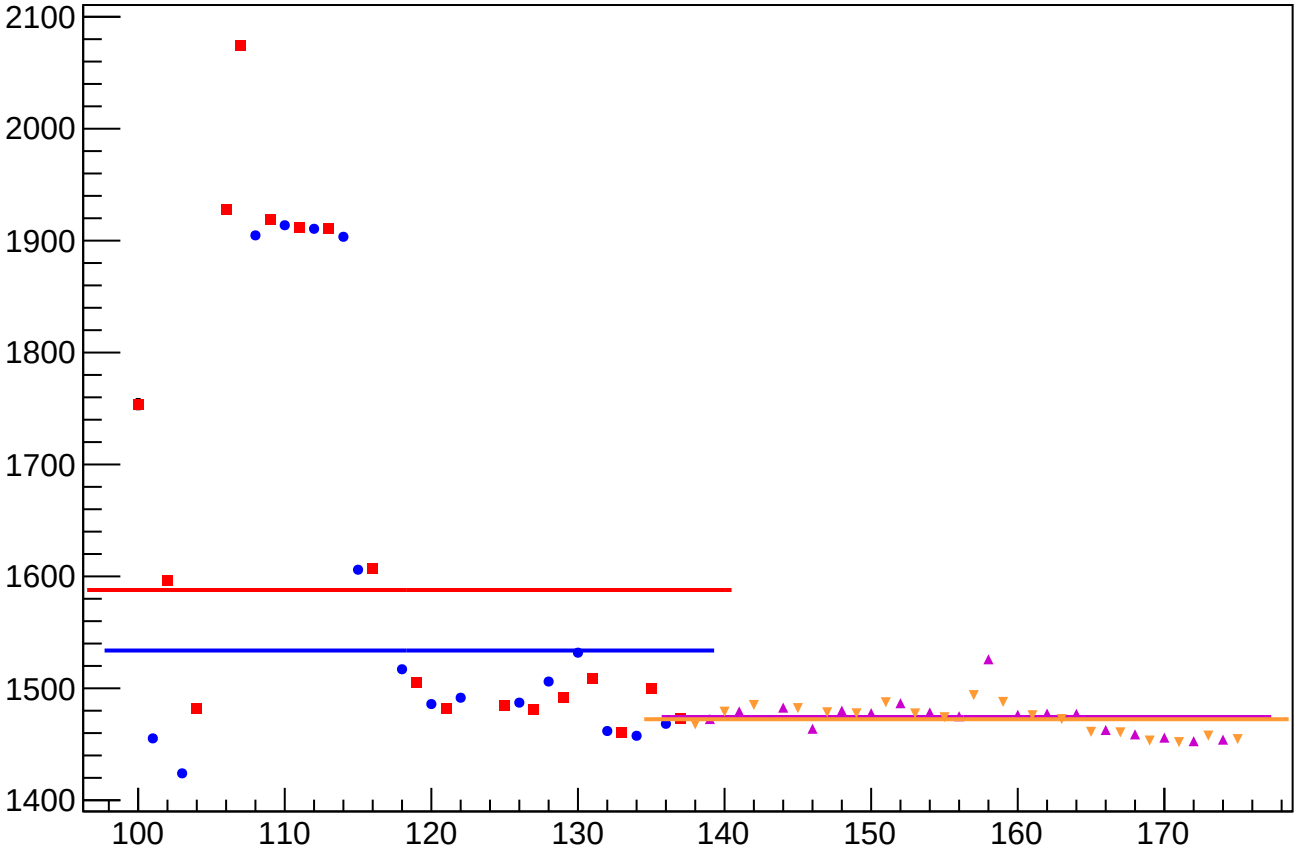
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1776.458+/-317.831 χ^2/NDF:35.7/33

Out: 1507.685+/-319.077 χ^2/NDF:33.2/36

All: 1642.598+/-225.180 χ^2/NDF: 69.3/70

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

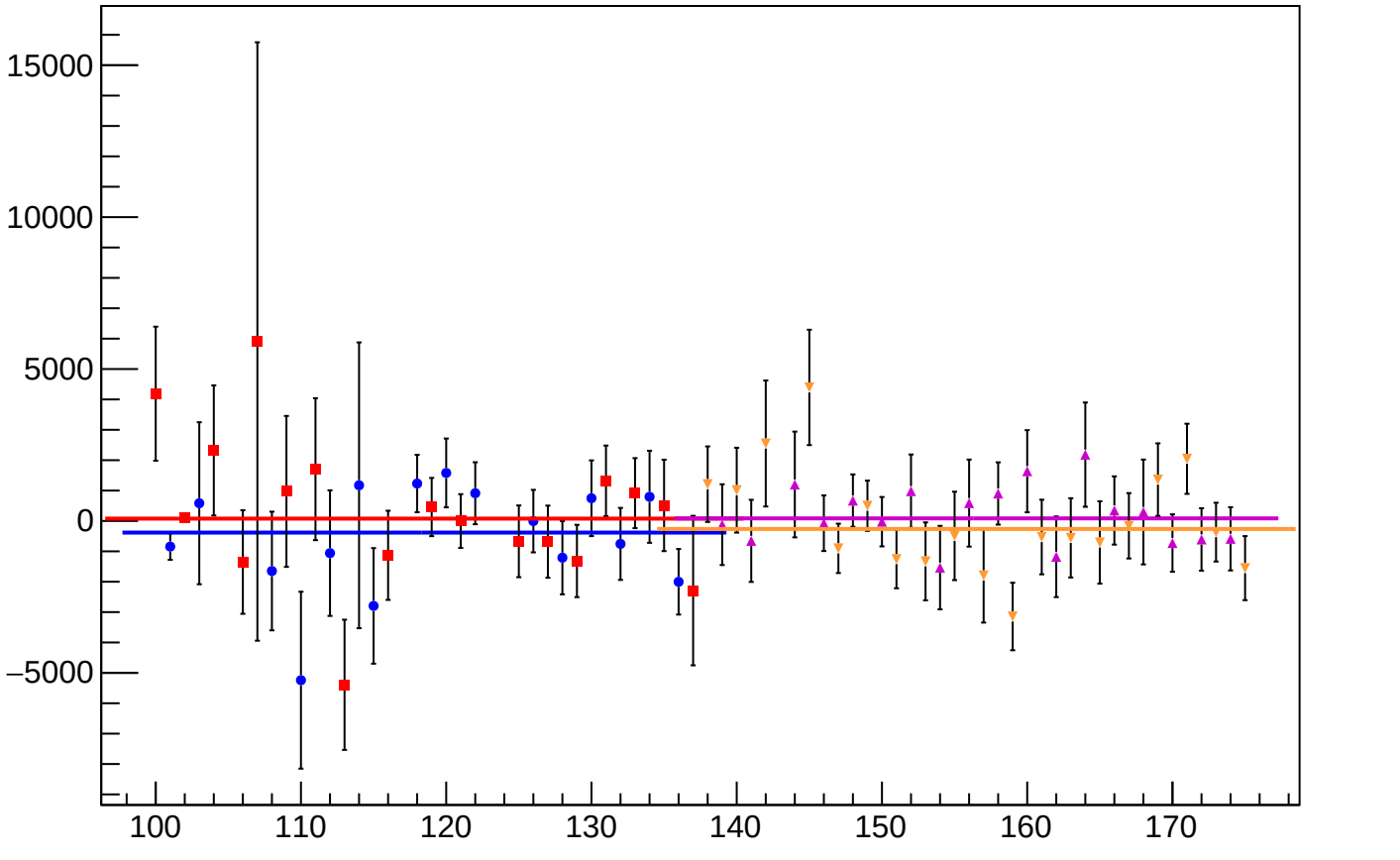
Left: 1473.374+/-0.190 χ^2/NDF: 5777.8/36

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1492.698+/-0.225 χ^2/NDF:147757.7/33

Out: 1506.189+/-0.226 χ^2/NDF:230155.1/36

All: 1499.417+/-0.159 χ^2/NDF: 379707.6/70



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 84.824+/-269.890 χ^2/NDF:9.3/17

Left: -91.598+/-189.505 χ^2/NDF: 38.8/36

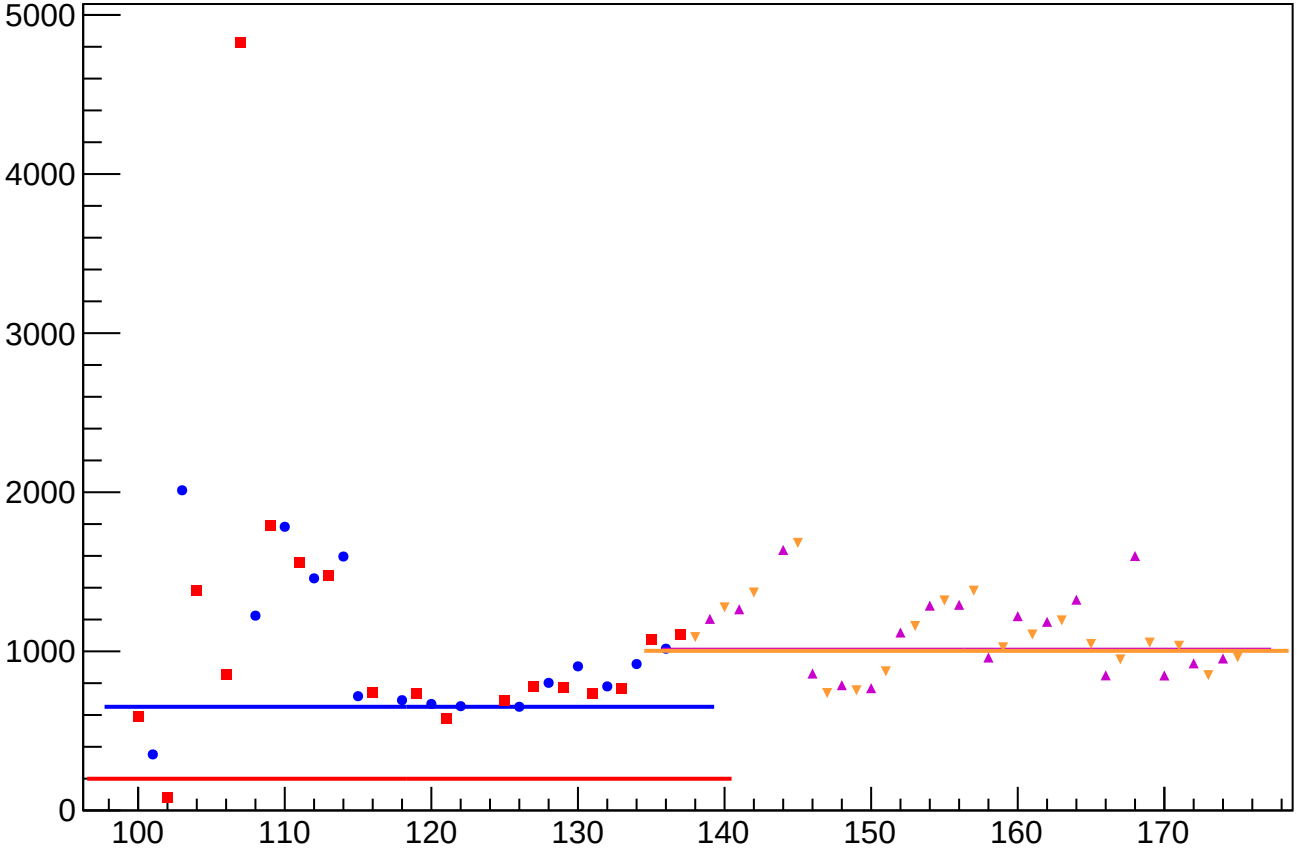
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -146.968+/-191.656 χ^2/NDF:29.0/33

Out: 4.619+/-122.607 χ^2/NDF:48.4/36

All: -39.403+/-103.281 χ^2/NDF: 77.9/70

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

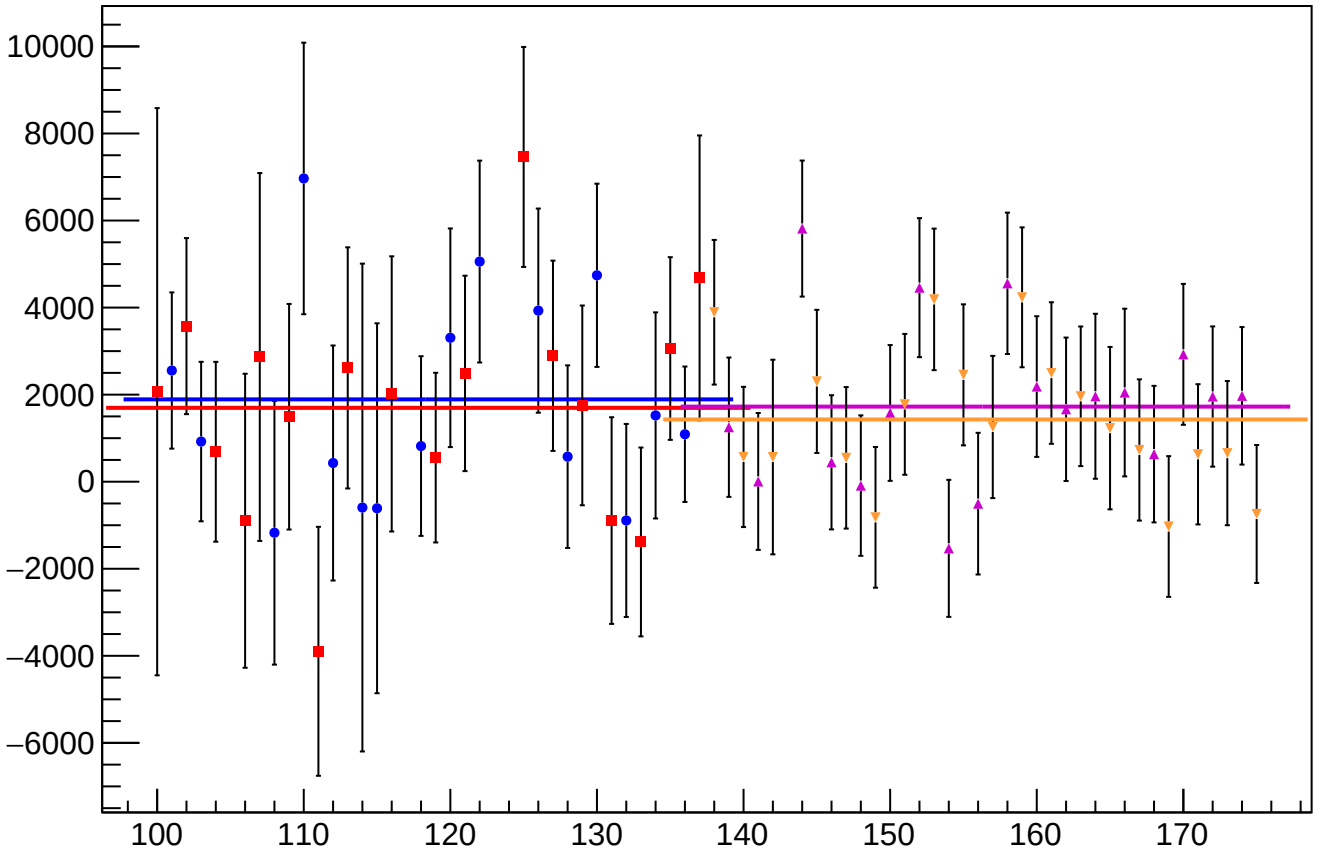
Left: 1006.849+/-0.134 χ^2/NDF: 2620943.1/36

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 832.543+/-0.136 χ^2/NDF:5936893.3/33

Out: 369.955+/-0.087 χ^2/NDF:24861251.0/36

All: 504.292+/-0.073 χ^2/NDF: 39065893.2/70



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1725.111+/-382.202 χ^2/NDF:23.4/17

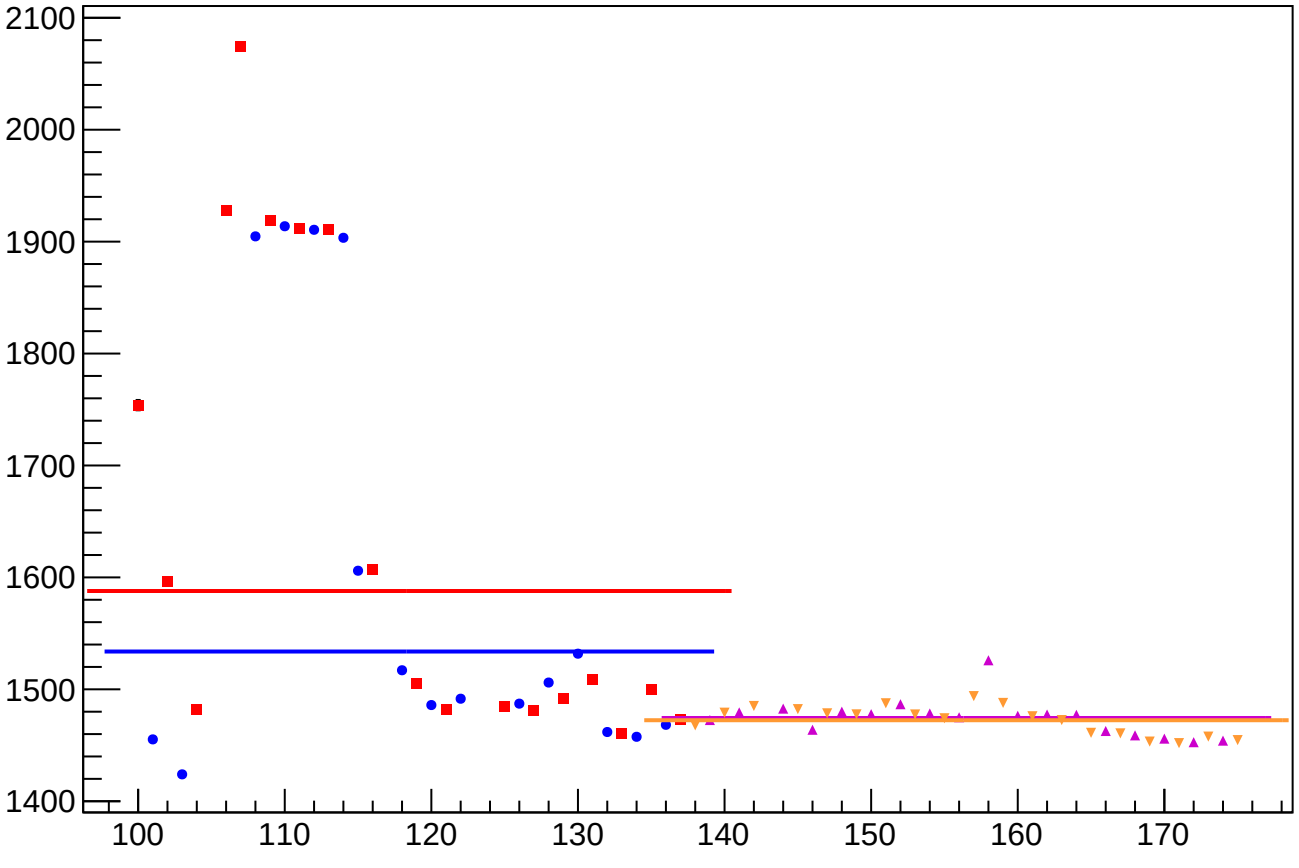
Left: 1576.133+/-269.268 χ^2/NDF: 40.7/36

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1776.458+/-317.831 χ^2/NDF:35.7/33

Out: 1507.685+/-319.077 χ^2/NDF:33.2/36

All: 1642.598+/-225.180 χ^2/NDF: 69.3/70



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

Left: 1473.374+/-0.190 χ^2/NDF: 5777.8/36

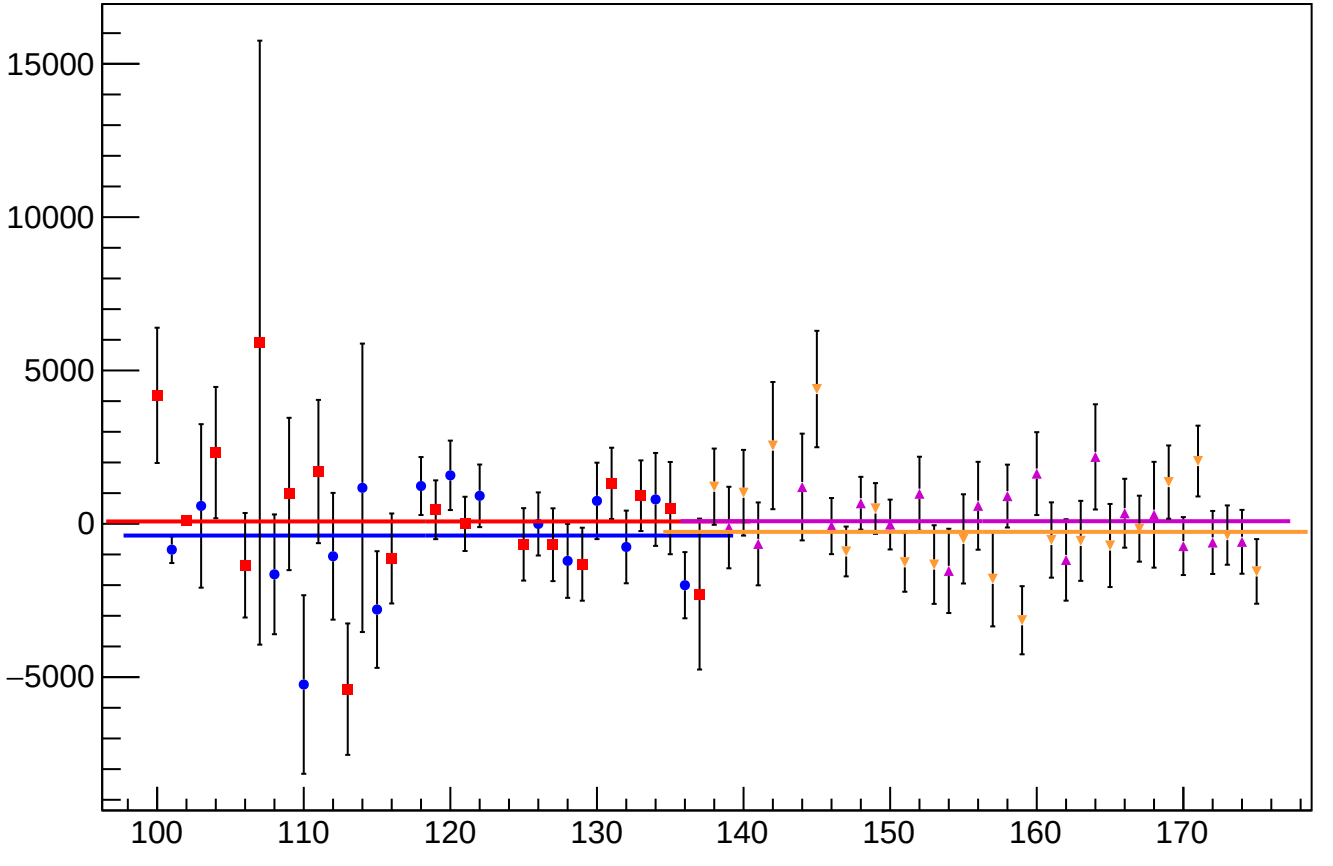
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1492.698+/-0.225 χ^2/NDF:147757.7/33

Out: 1506.189+/-0.226 χ^2/NDF:230155.1/36

All: 1499.417+/-0.159 χ^2/NDF: 379707.6/70

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 84.824+/-269.890 χ^2/NDF:9.3/17

Left: -91.598+/-189.505 χ^2/NDF: 38.8/36

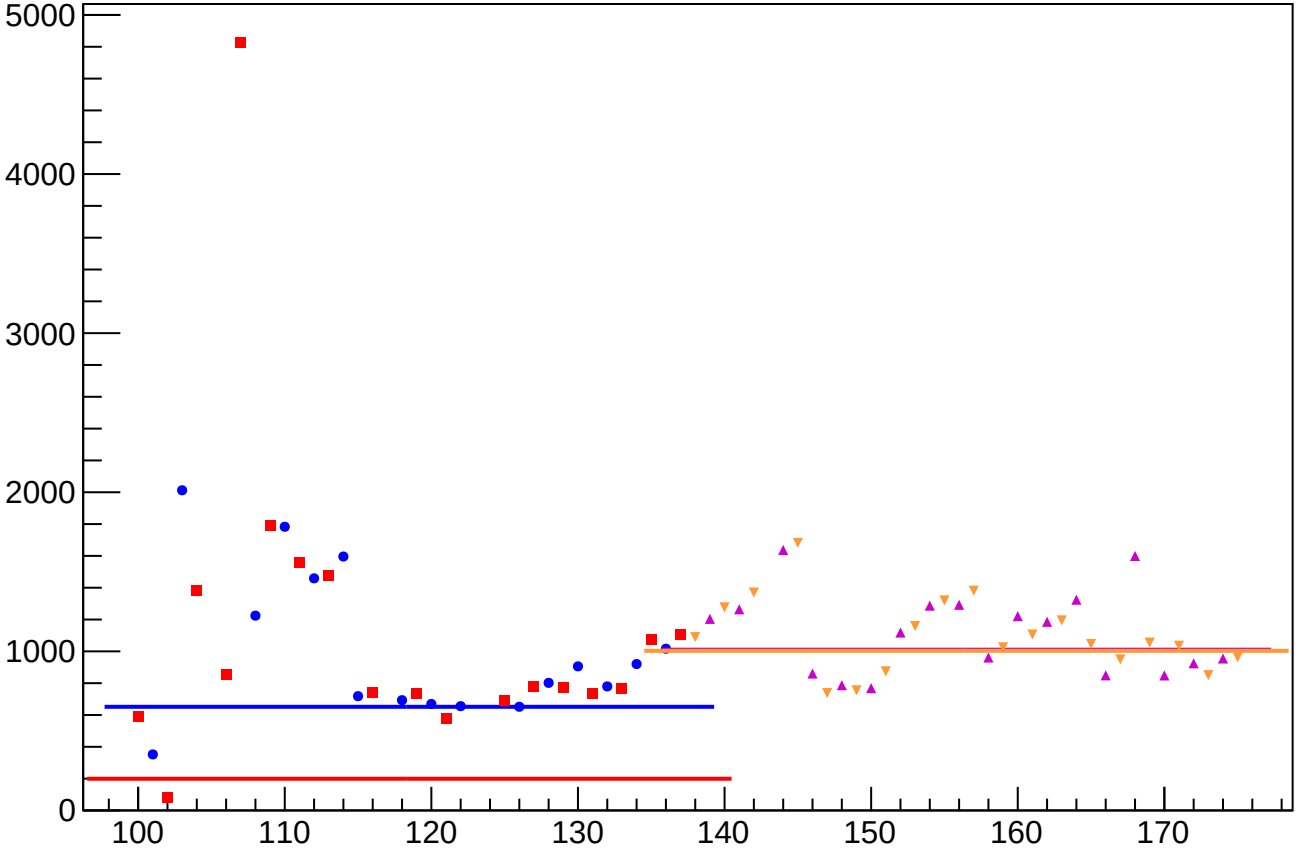
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -146.968+/-191.656 χ^2/NDF:29.0/33

Out: 4.619+/-122.607 χ^2/NDF:48.4/36

All: -39.403+/-103.281 χ^2/NDF: 77.9/70

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

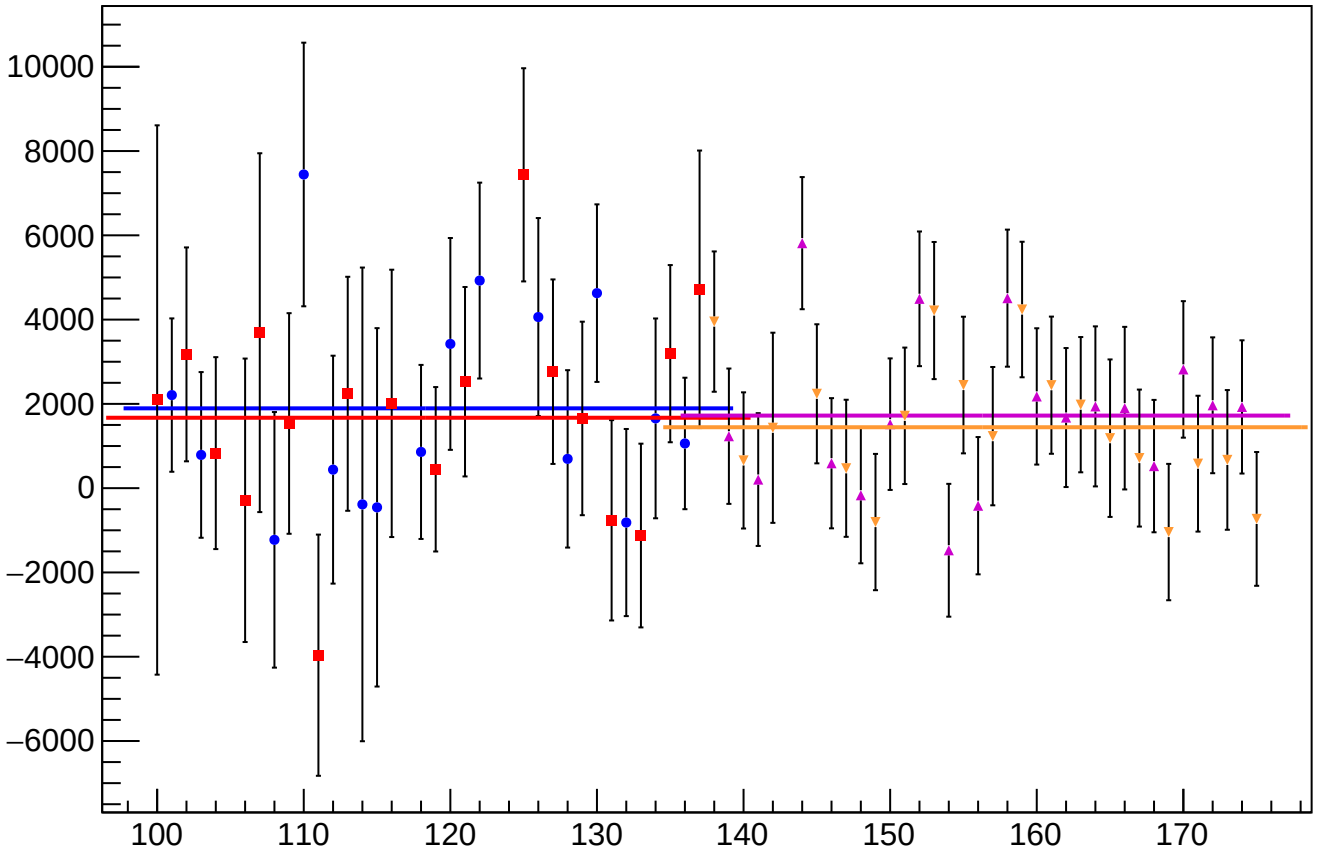
Left: 1006.849+/-0.134 χ^2/NDF: 2620943.1/36

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 832.543+/-0.136 χ^2/NDF:5936893.3/33

Out: 369.955+/-0.087 χ^2/NDF:24861251.0/36

All: 504.292+/-0.073 χ^2/NDF: 39065893.2/70



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1445.717+/-380.049 χ^2/NDF:16.8/18

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1722.240+/-382.721 χ^2/NDF:22.7/17

Left: 1583.010+/-269.675 χ^2/NDF: 39.8/36

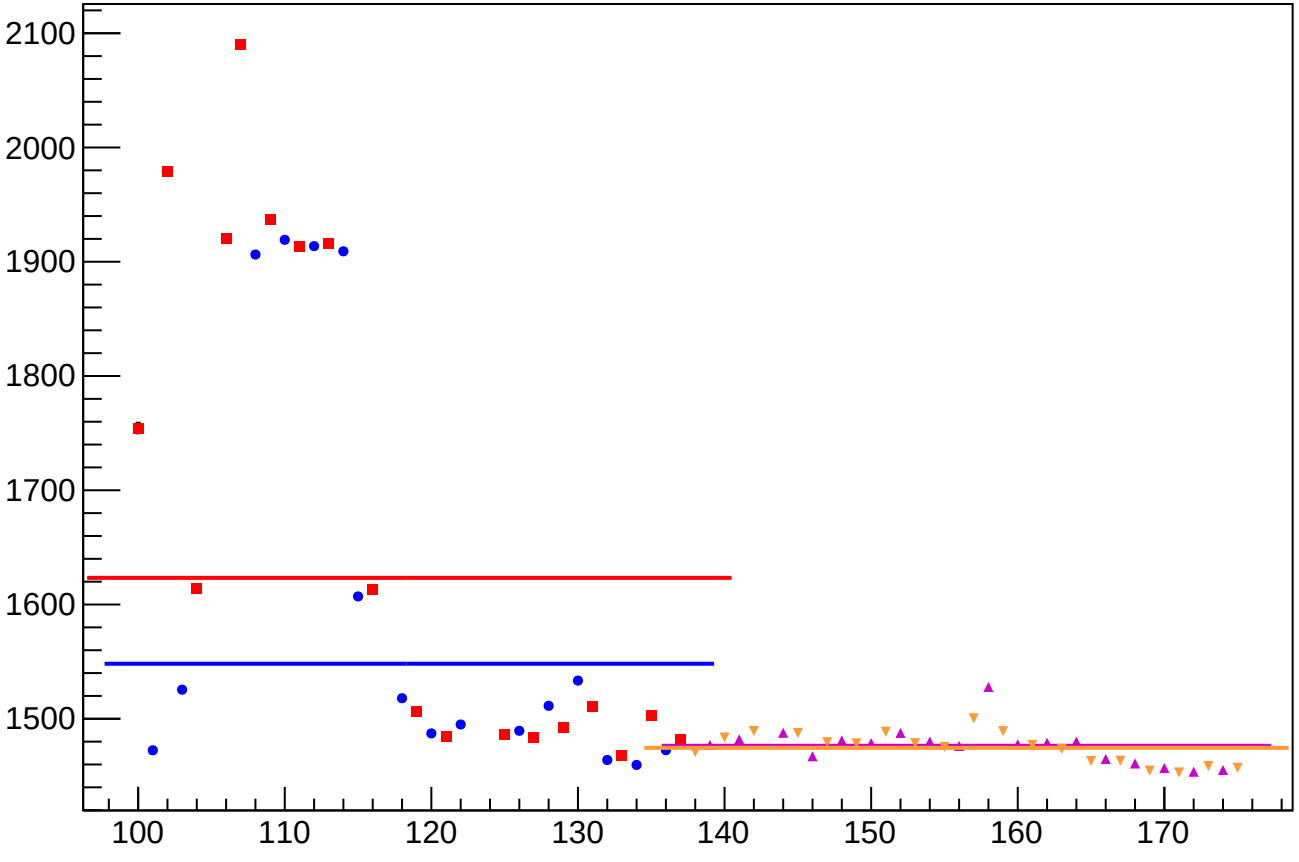
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1774.692+/-319.045 χ^2/NDF:35.1/33

Out: 1509.467+/-321.796 χ^2/NDF:32.0/36

All: 1643.218+/-226.565 χ^2/NDF: 67.4/70

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

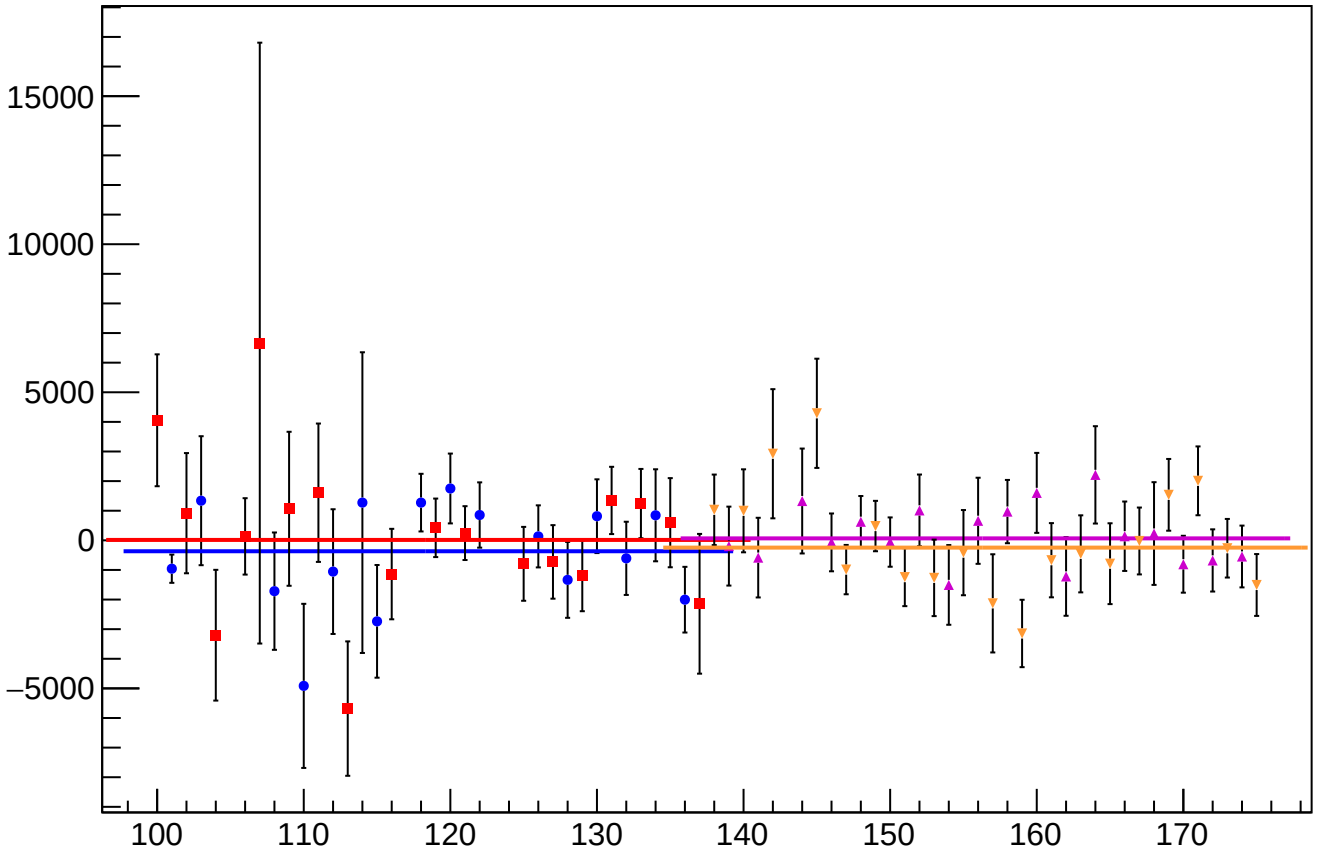
Left: 1475.449+/-0.191 χ^2/NDF: 6082.8/36

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1498.266+/-0.226 χ^2/NDF:145050.5/33

Out: 1516.667+/-0.228 χ^2/NDF:300689.8/36

All: 1507.388+/-0.160 χ^2/NDF: 449038.3/70



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -245.755+/-270.062 χ^2/NDF:28.8/18

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 66.103+/-274.344 χ^2/NDF:9.7/17

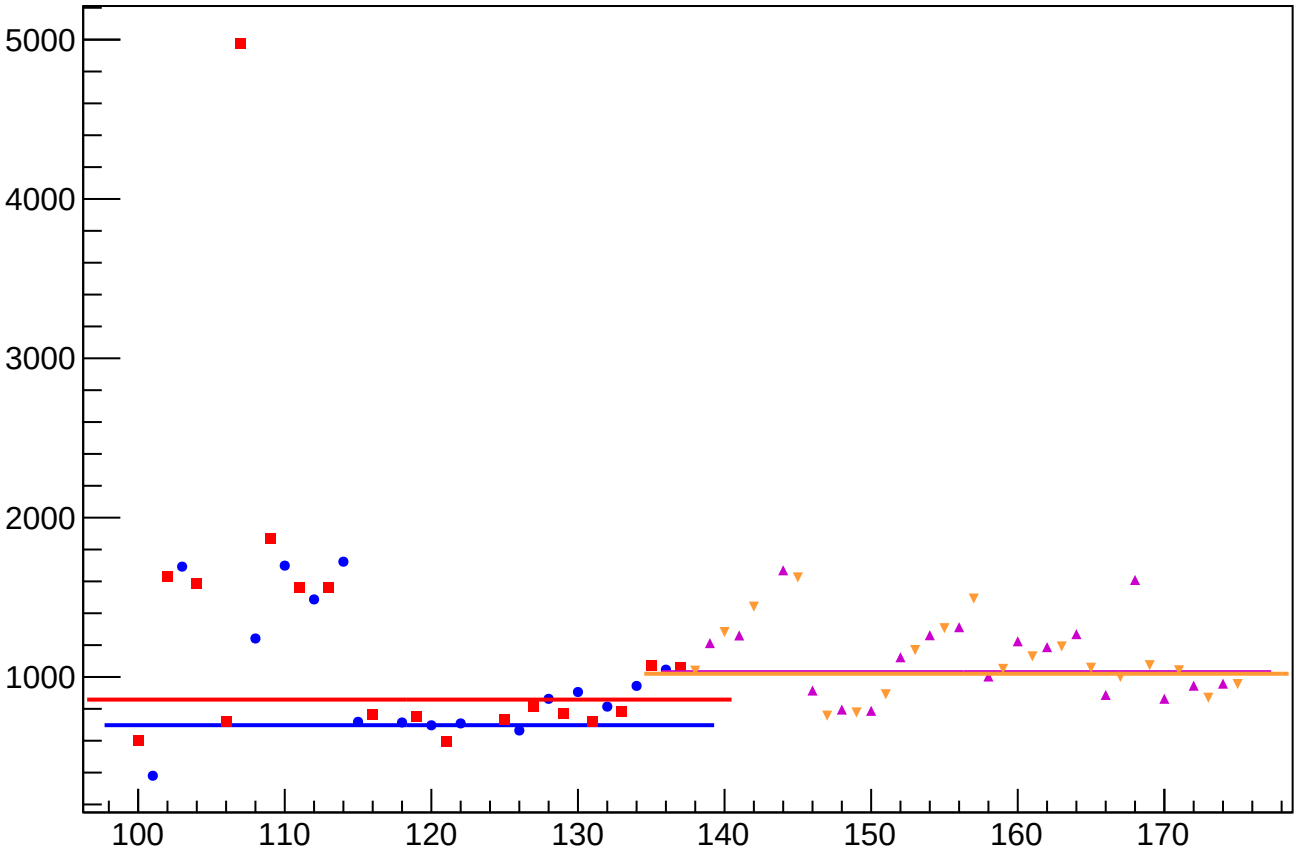
Left: -92.279+/-192.459 χ^2/NDF: 39.2/36

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -141.825+/-198.174 χ^2/NDF:29.8/33

Out: -145.940+/-211.846 χ^2/NDF:48.2/36

All: -143.746+/-144.722 χ^2/NDF: 78.0/70



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1020.404+/-0.191 χ^2/NDF:1136306.1/18

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1030.459+/-0.194 χ^2/NDF:1295095.7/17

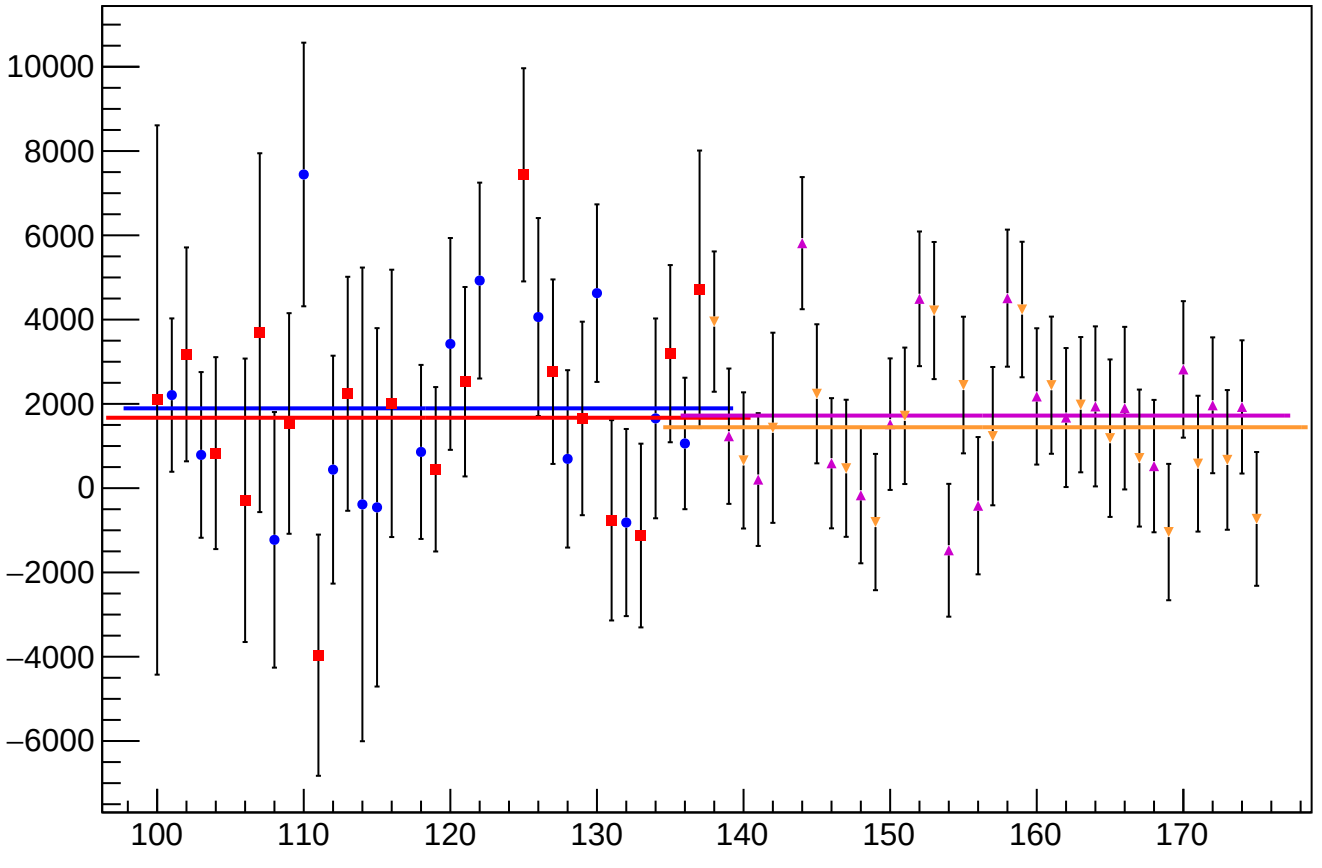
Left: 1025.353+/-0.136 χ^2/NDF: 2432766.2/36

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 871.245+/-0.140 χ^2/NDF:5139302.5/33

Out: 957.970+/-0.150 χ^2/NDF:3296359.3/36

All: 911.719+/-0.102 χ^2/NDF: 8614415.1/70



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1445.715+/-380.049 χ^2/NDF:16.8/18

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1722.241+/-382.721 χ^2/NDF:22.7/17

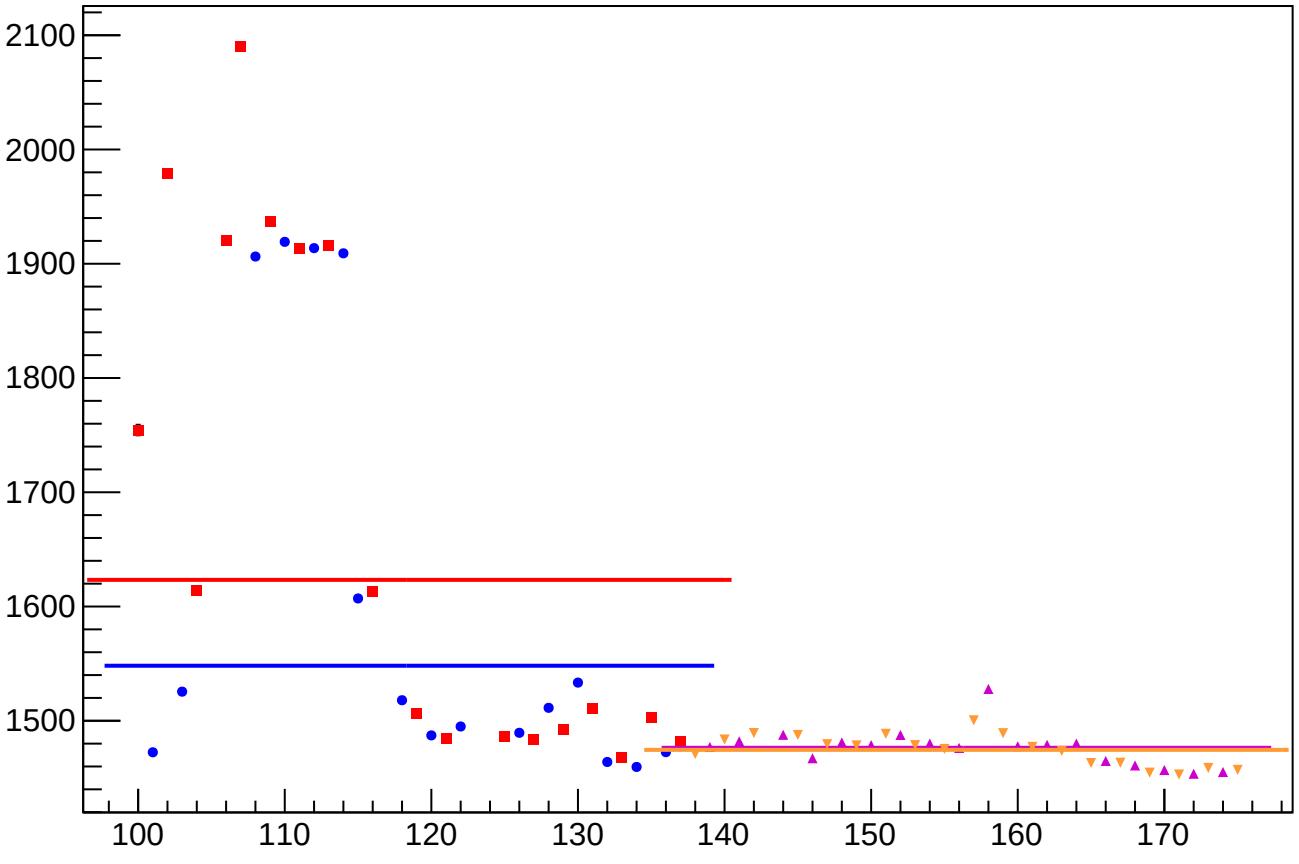
Left: 1583.009+/-269.675 χ^2/NDF: 39.8/36

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1774.692+/-319.045 χ^2/NDF:35.1/33

Out: 1509.465+/-321.796 χ^2/NDF:32.0/36

All: 1643.217+/-226.565 χ^2/NDF: 67.4/70



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

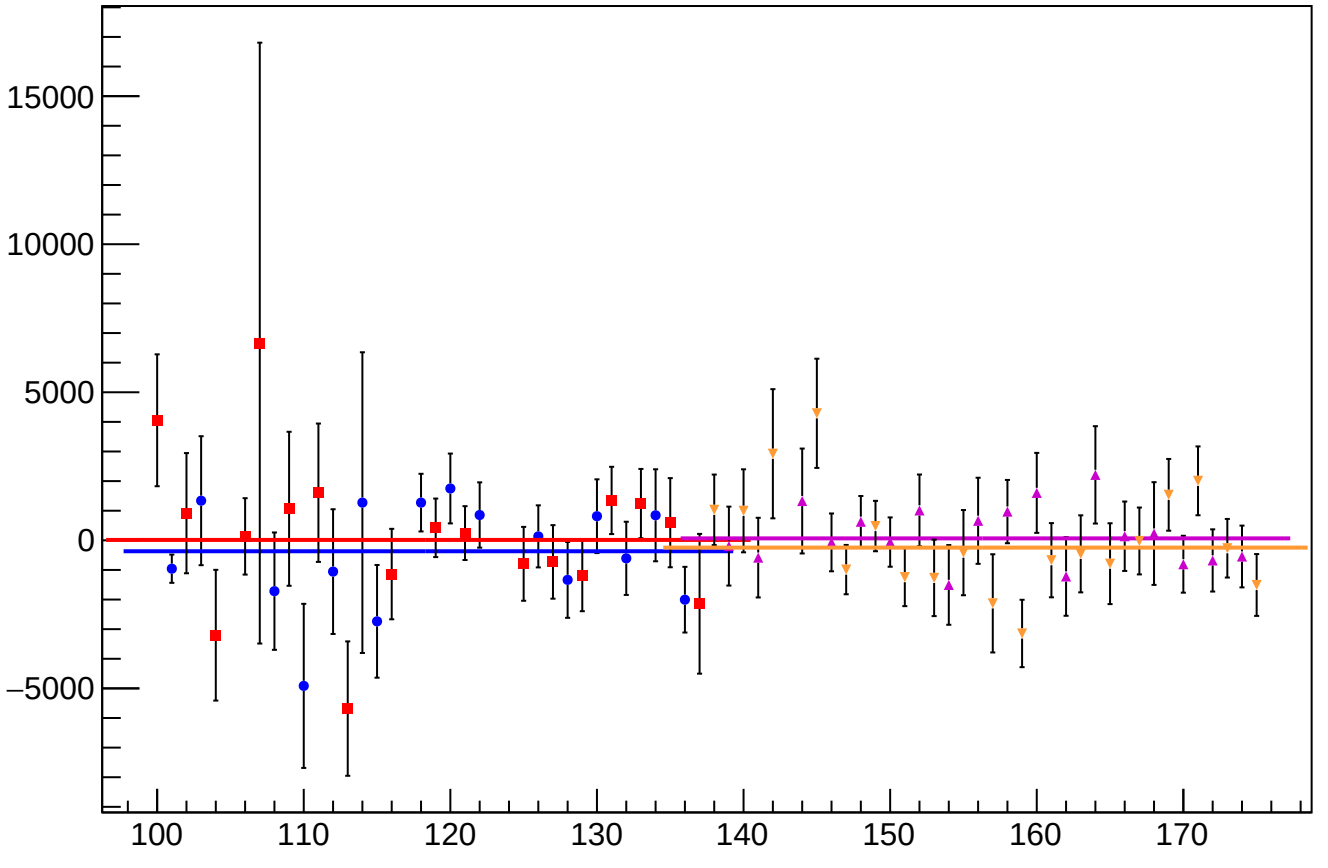
Left: 1475.449+/-0.191 χ^2/NDF: 6082.8/36

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1498.266+/-0.226 χ^2/NDF:145050.4/33

Out: 1516.667+/-0.228 χ^2/NDF:300689.3/36

All: 1507.388+/-0.160 χ^2/NDF: 449037.8/70



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -245.758+/-270.063 χ^2/NDF:28.8/18

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 66.104+/-274.345 χ^2/NDF:9.7/17

Left: -92.280+/-192.459 χ^2/NDF: 39.2/36

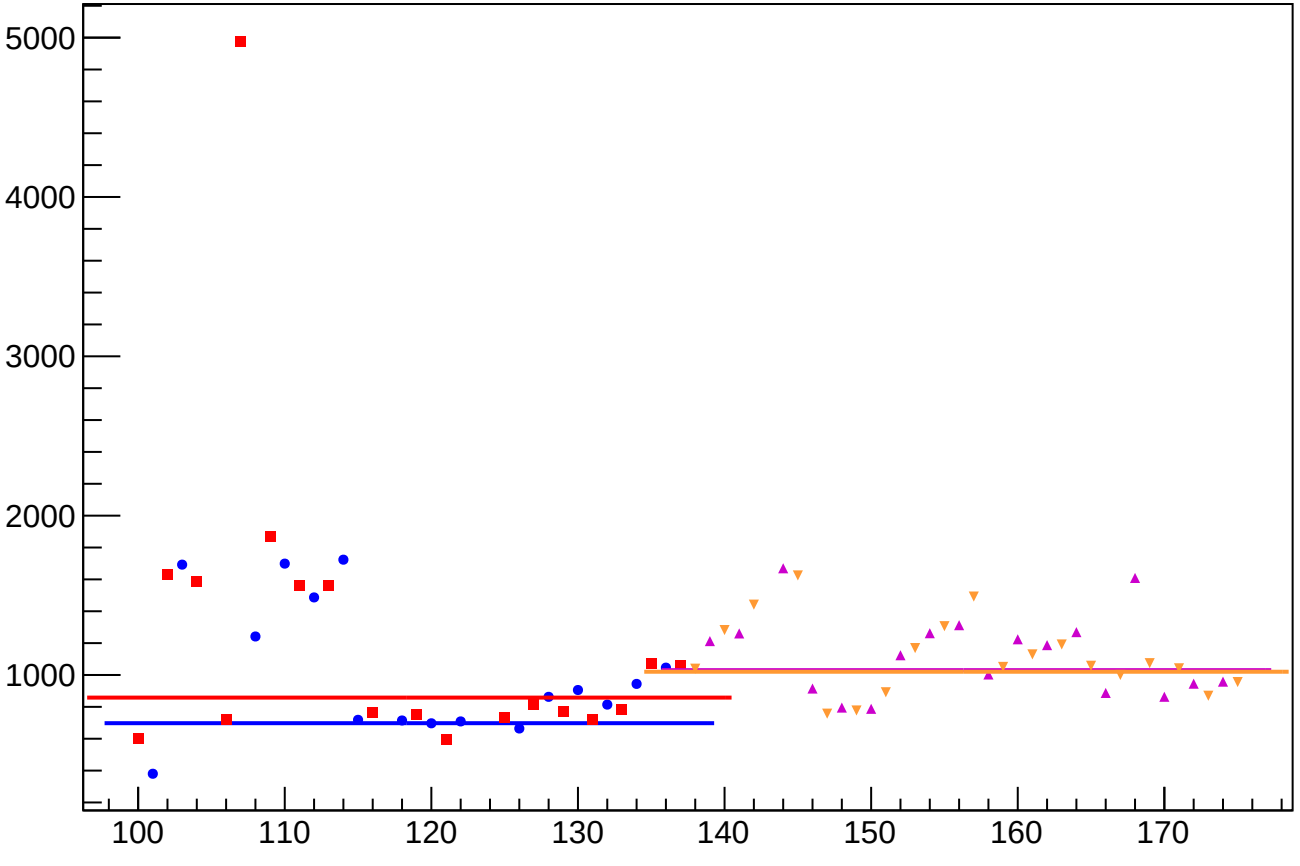
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -141.825+/-198.174 χ^2/NDF:29.8/33

Out: -145.941+/-211.846 χ^2/NDF:48.2/36

All: -143.746+/-144.722 χ^2/NDF: 78.0/70

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1020.406+/-0.191 χ^2/NDF:1136304.4/18

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1030.461+/-0.194 χ^2/NDF:1295092.1/17

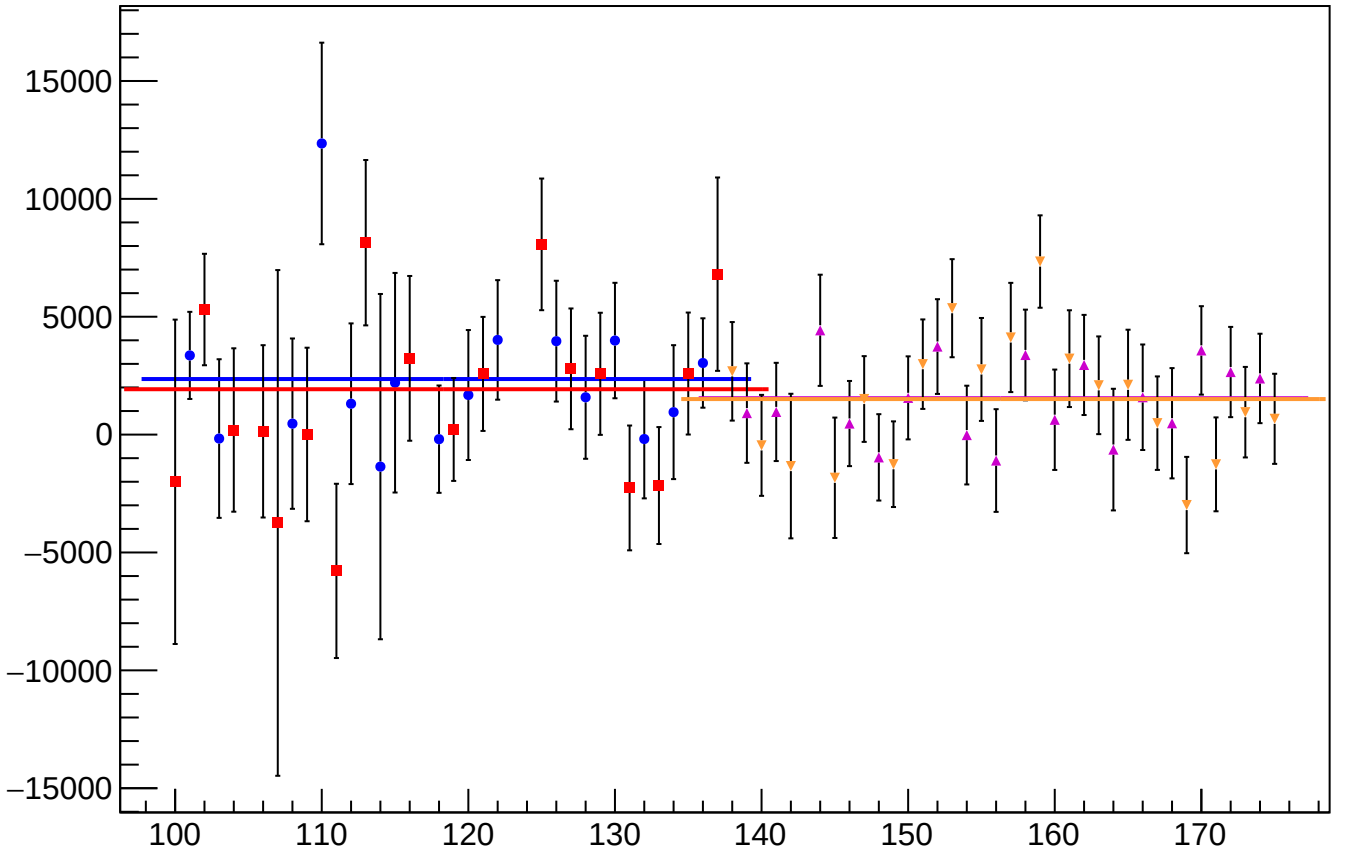
Left: 1025.354+/-0.136 χ^2/NDF: 2432761.0/36

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 871.246+/-0.140 χ^2/NDF:5139303.4/33

Out: 957.970+/-0.150 χ^2/NDF:3296378.2/36

All: 911.719+/-0.102 χ^2/NDF: 8614432.7/70



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1507.292+/-475.587 χ^2/NDF:28.7/18

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1544.628+/-480.674 χ^2/NDF:11.3/17

Left: 1525.761+/-338.075 χ^2/NDF: 40.0/36

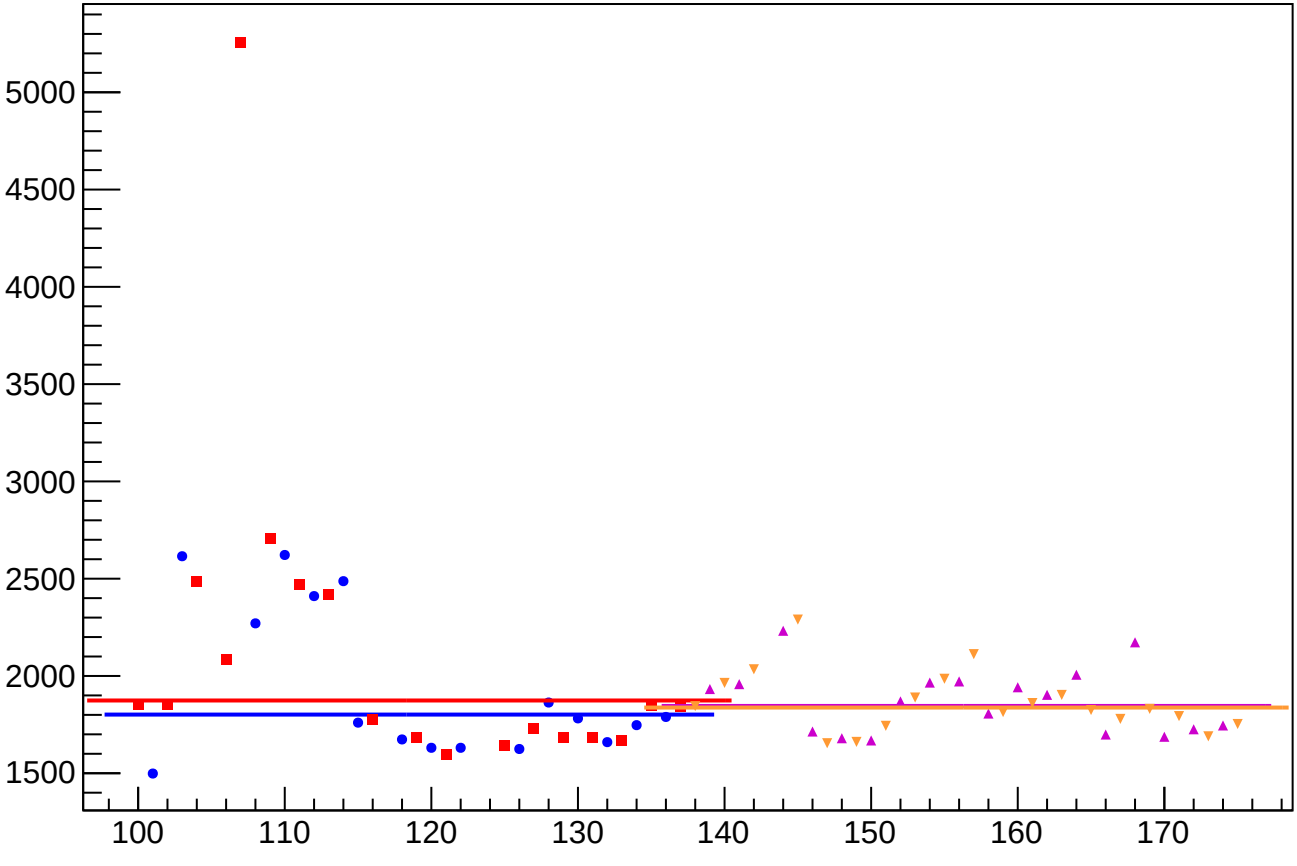
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1815.860+/-392.308 χ^2/NDF:23.2/33

Out: 1637.415+/-394.580 χ^2/NDF:52.4/36

All: 1727.153+/-278.203 χ^2/NDF: 75.7/70

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1837.626+/-0.336 χ^2/NDF:181584.5/18

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.934+/-0.340 χ^2/NDF:213189.5/17

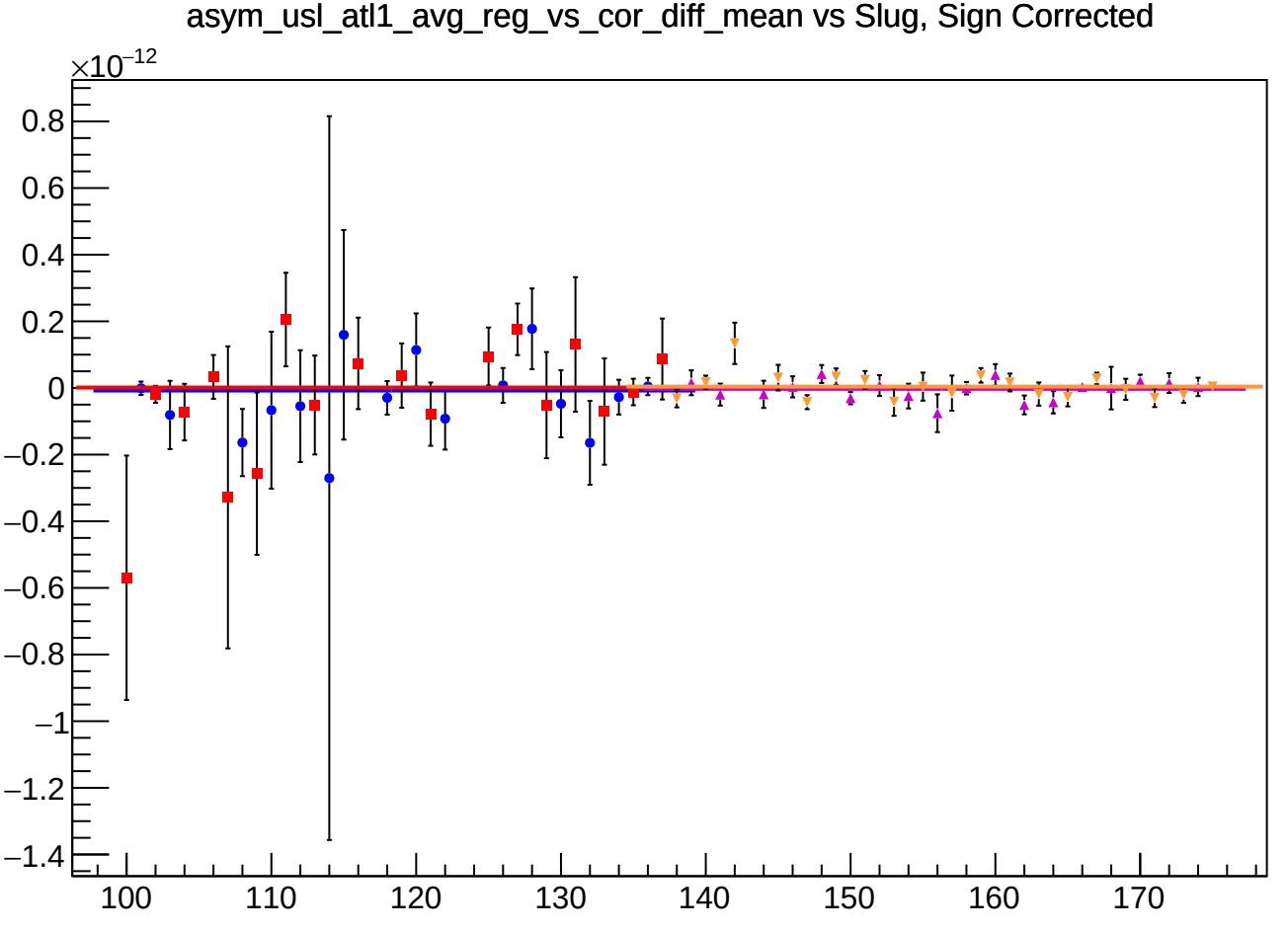
Left: 1841.736+/-0.239 χ^2/NDF: 395075.9/36

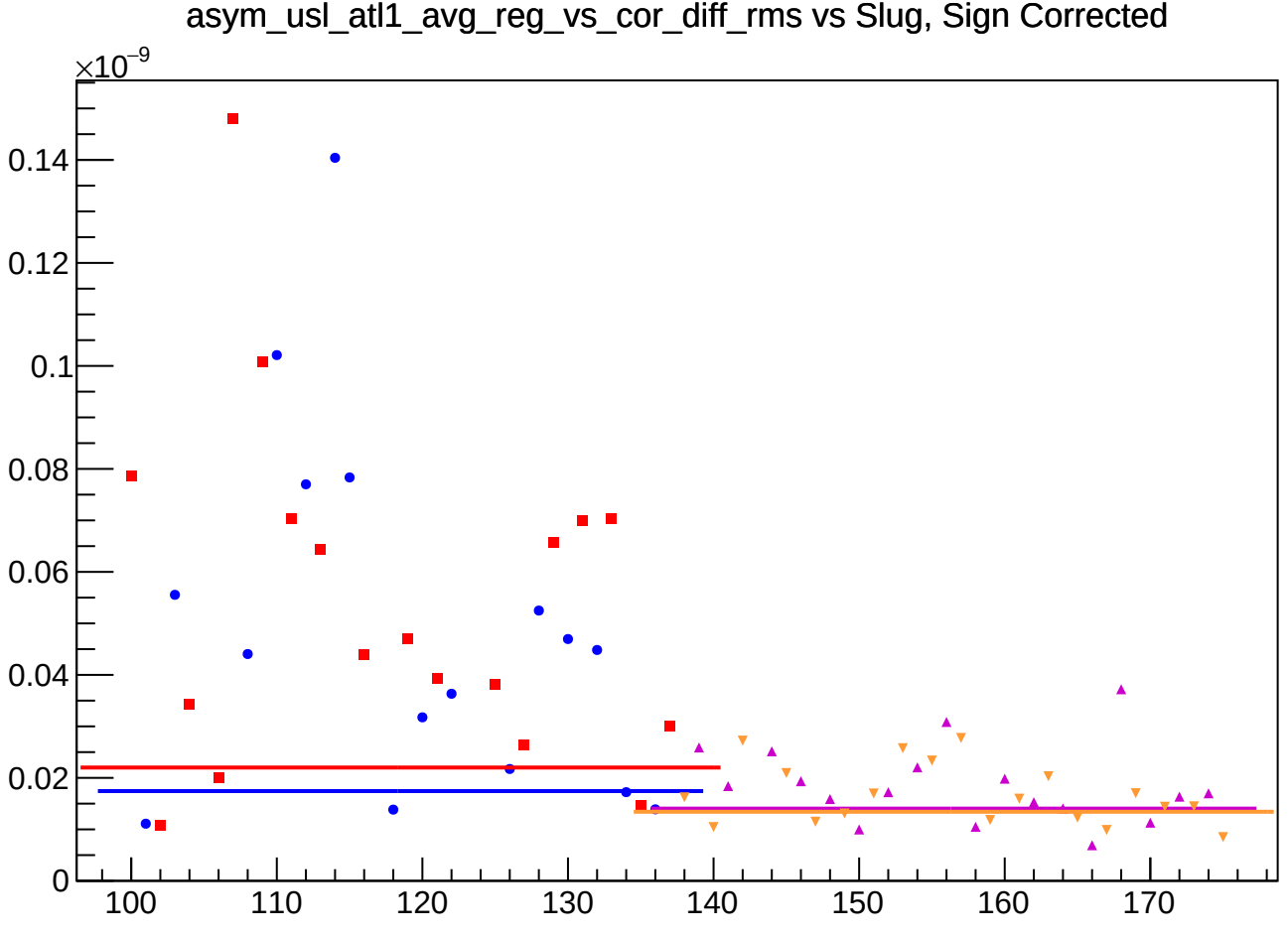
Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1831.108+/-0.277 χ^2/NDF:619590.8/33

Out: 1848.954+/-0.279 χ^2/NDF:755134.8/36

All: 1839.980+/-0.197 χ^2/NDF: 1376783.1/70


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
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: 10.2/15
Left Out: 0.000+/-0.000 χ²/NDF:23.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 16.7/17
Left In: -0.000+/-0.000 χ²/NDF:15.7/17
Left: 0.000+/-0.000 χ²/NDF: 40.1/36
Right: -0.000+/-0.000 χ²/NDF: 27.1/33
In: -0.000+/-0.000 χ²/NDF:26.0/33
Out: 0.000+/-0.000 χ²/NDF:40.6/36
All: 0.000+/-0.000 χ²/NDF: 67.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1169128.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1771195.4/17

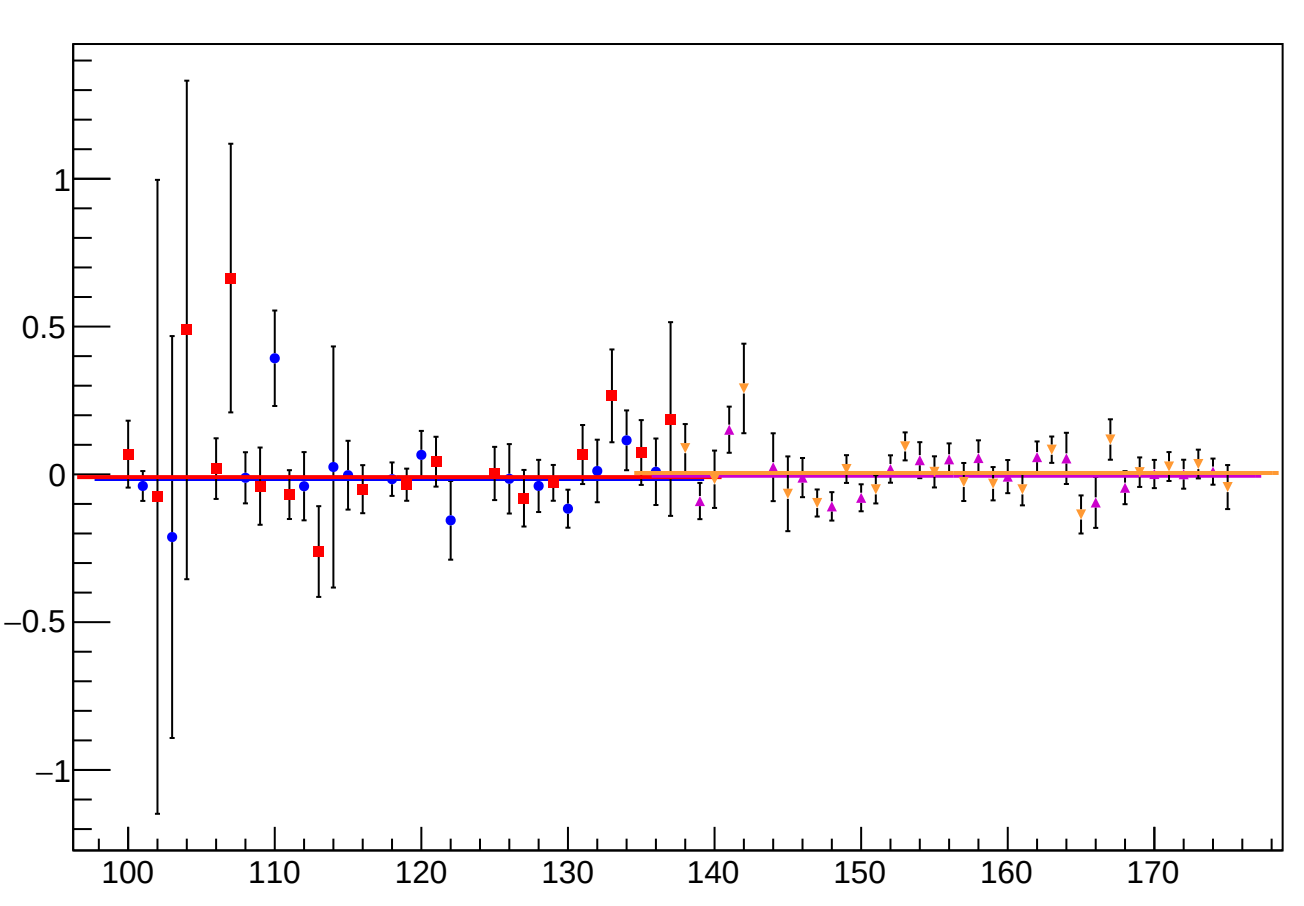
Left: 0.000+/-0.000 χ^2/NDF: 2950231.2/36

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3720746.9/33

Out: 0.000+/-0.000 χ^2/NDF:3715967.3/36

All: 0.000+/-0.000 χ^2/NDF: 7440327.4/70



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

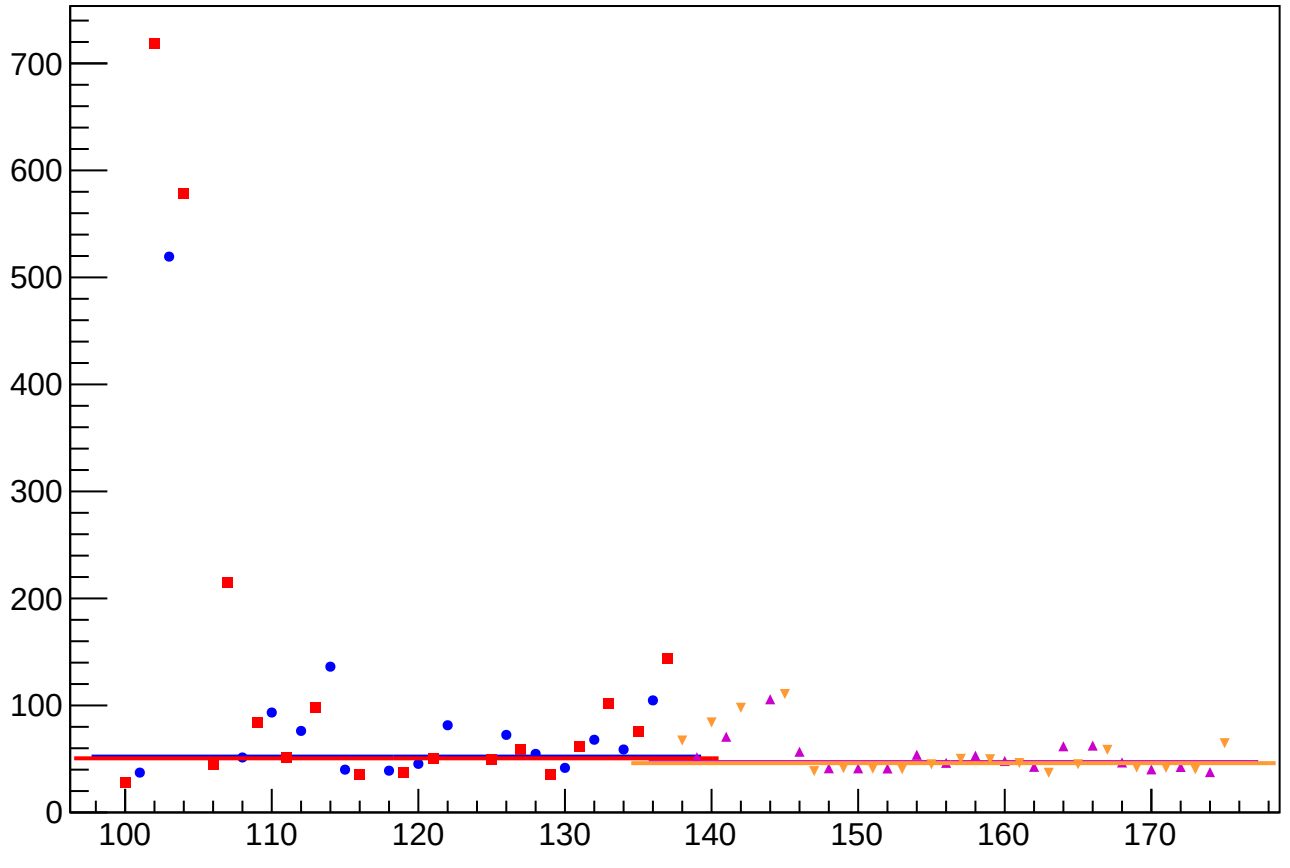
Left: 0.000+/-0.009 χ^2/NDF: 48.5/36

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:33.4/33

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.003+/-0.008 χ^2/NDF: 74.6/70



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

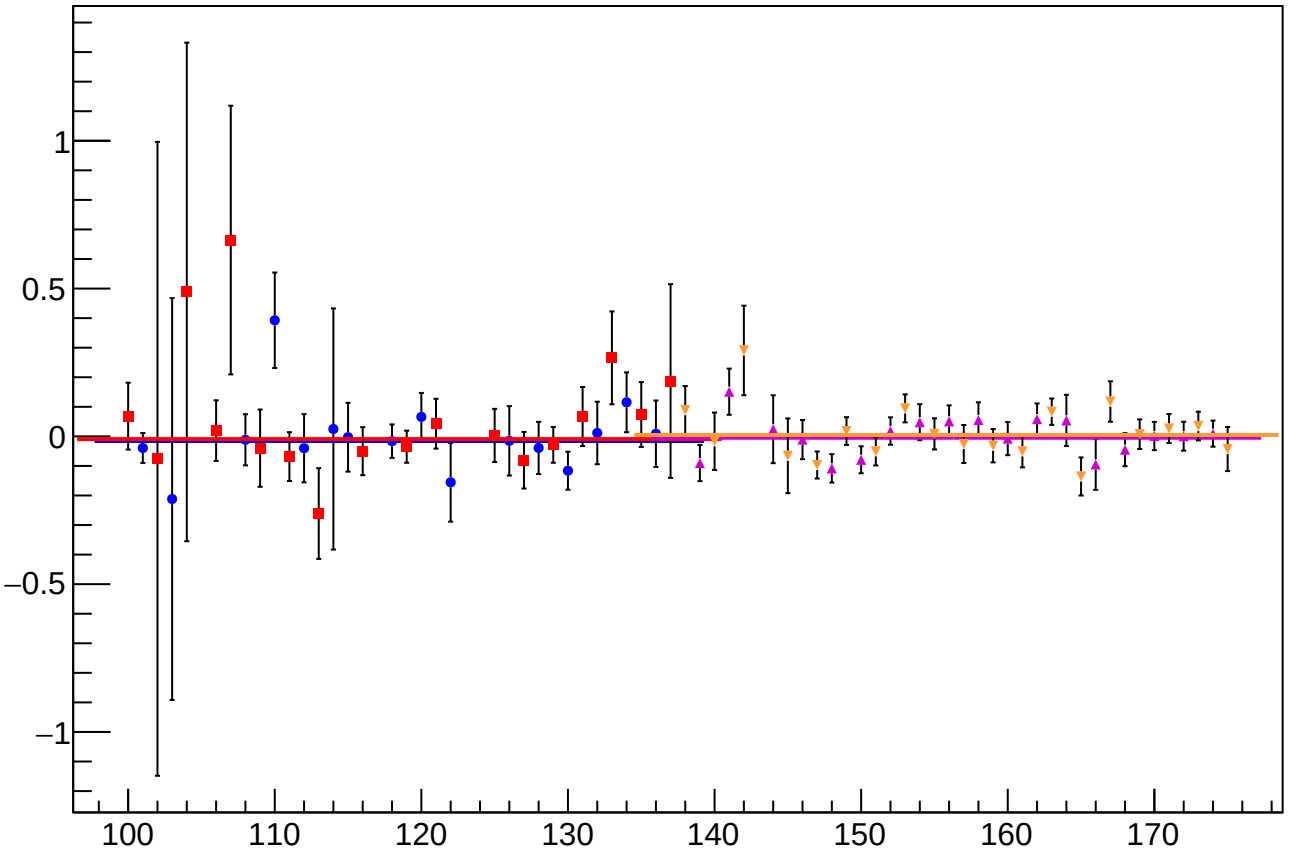
Left: 46.562+/-0.007 χ^2/NDF: 2863994.9/36

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.387+/-0.008 χ^2/NDF:3528936.2/33

Out: 47.135+/-0.008 χ^2/NDF:4779495.8/36

All: 47.760+/-0.006 χ^2/NDF: 8320329.8/70



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

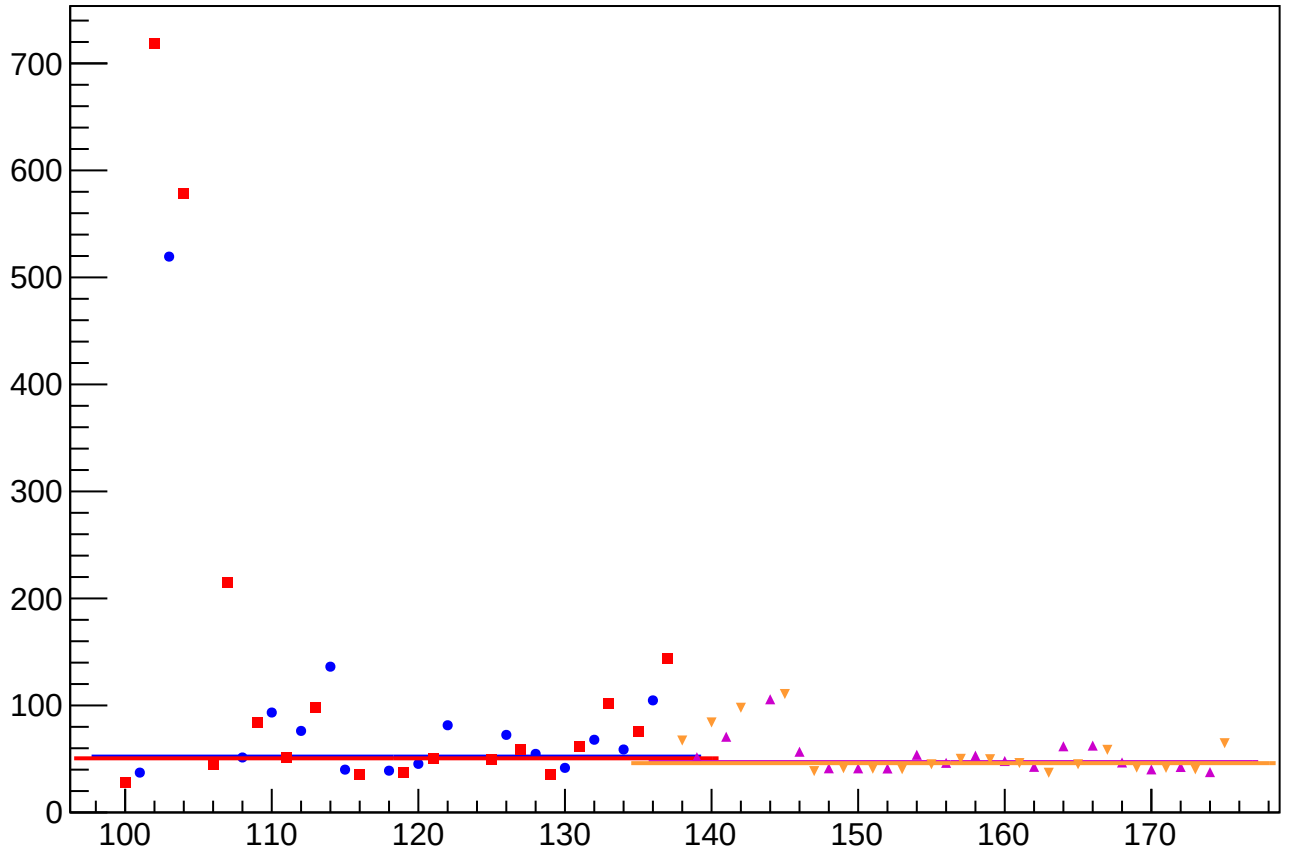
Left: 0.000+/-0.009 χ^2/NDF: 48.5/36

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:33.4/33

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.003+/-0.008 χ^2/NDF: 74.6/70



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

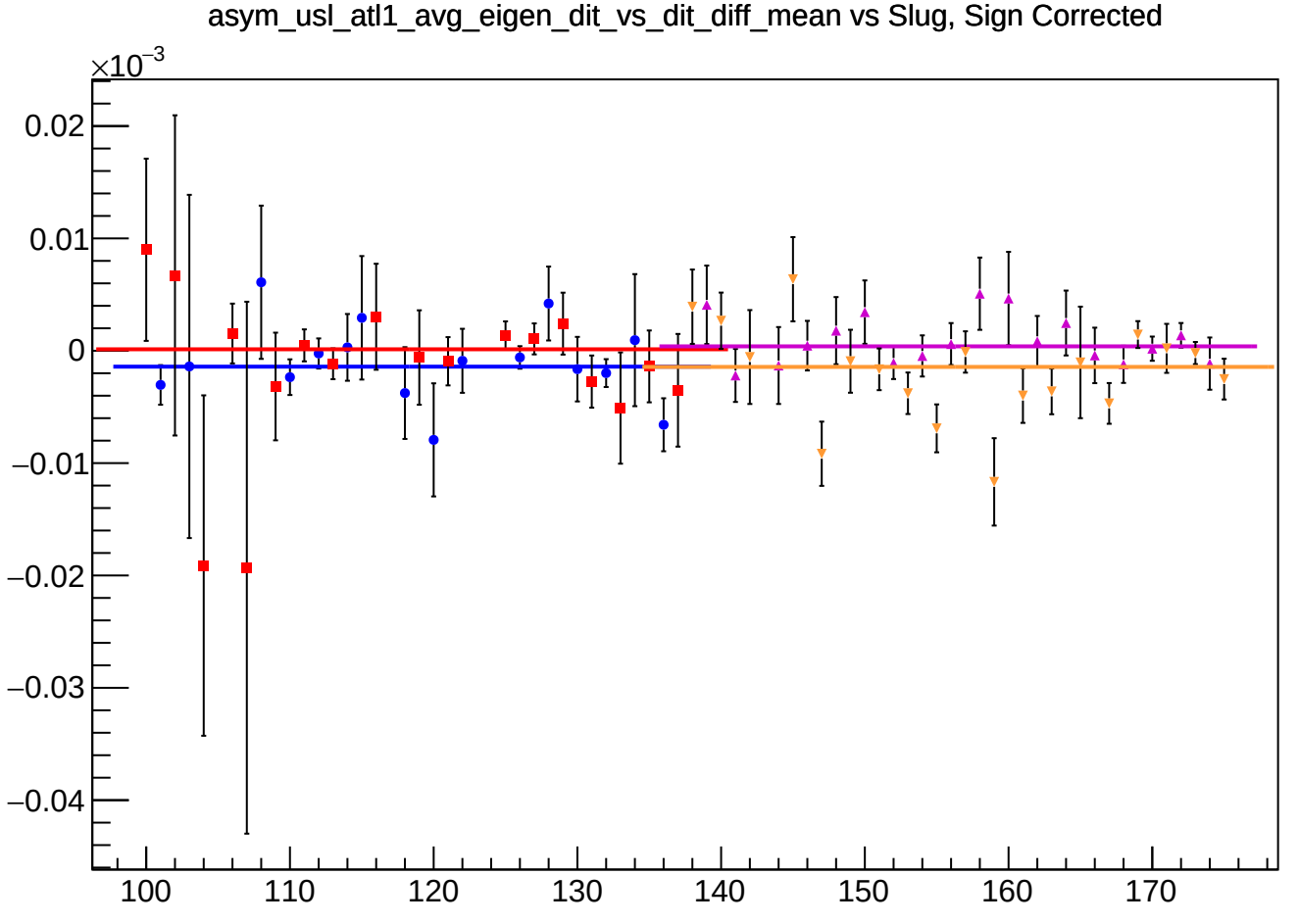
Left: 46.562+/-0.007 χ^2/NDF: 2863994.9/36

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.387+/-0.008 χ^2/NDF:3528936.2/33

Out: 47.135+/-0.008 χ^2/NDF:4779495.8/36

All: 47.760+/-0.006 χ^2/NDF: 8320329.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/17

Left: -0.000+/-0.000 χ^2/NDF: 65.7/36

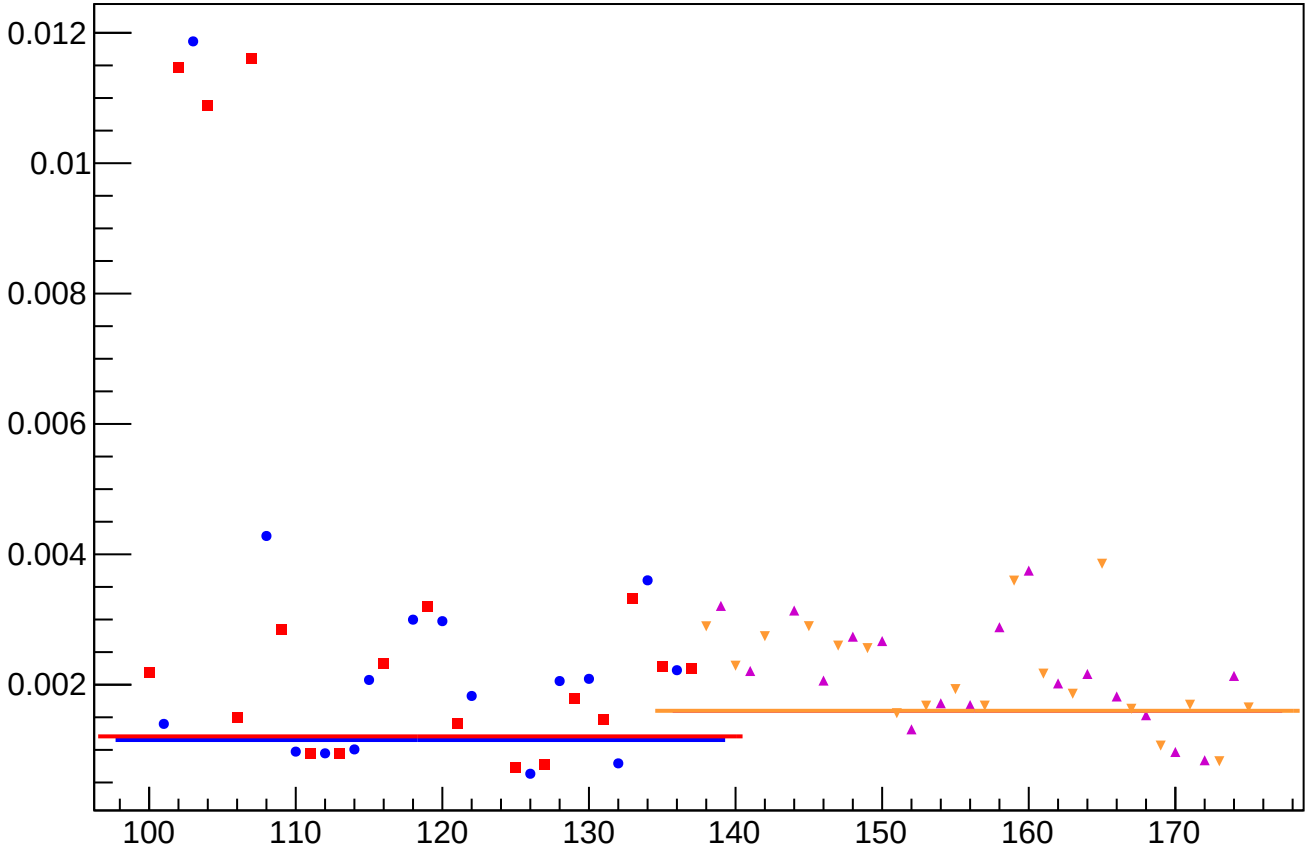
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:33.1/33

Out: -0.000+/-0.000 χ^2/NDF:62.8/36

All: -0.000+/-0.000 χ^2/NDF: 96.6/70

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4103637.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4490767.7/17

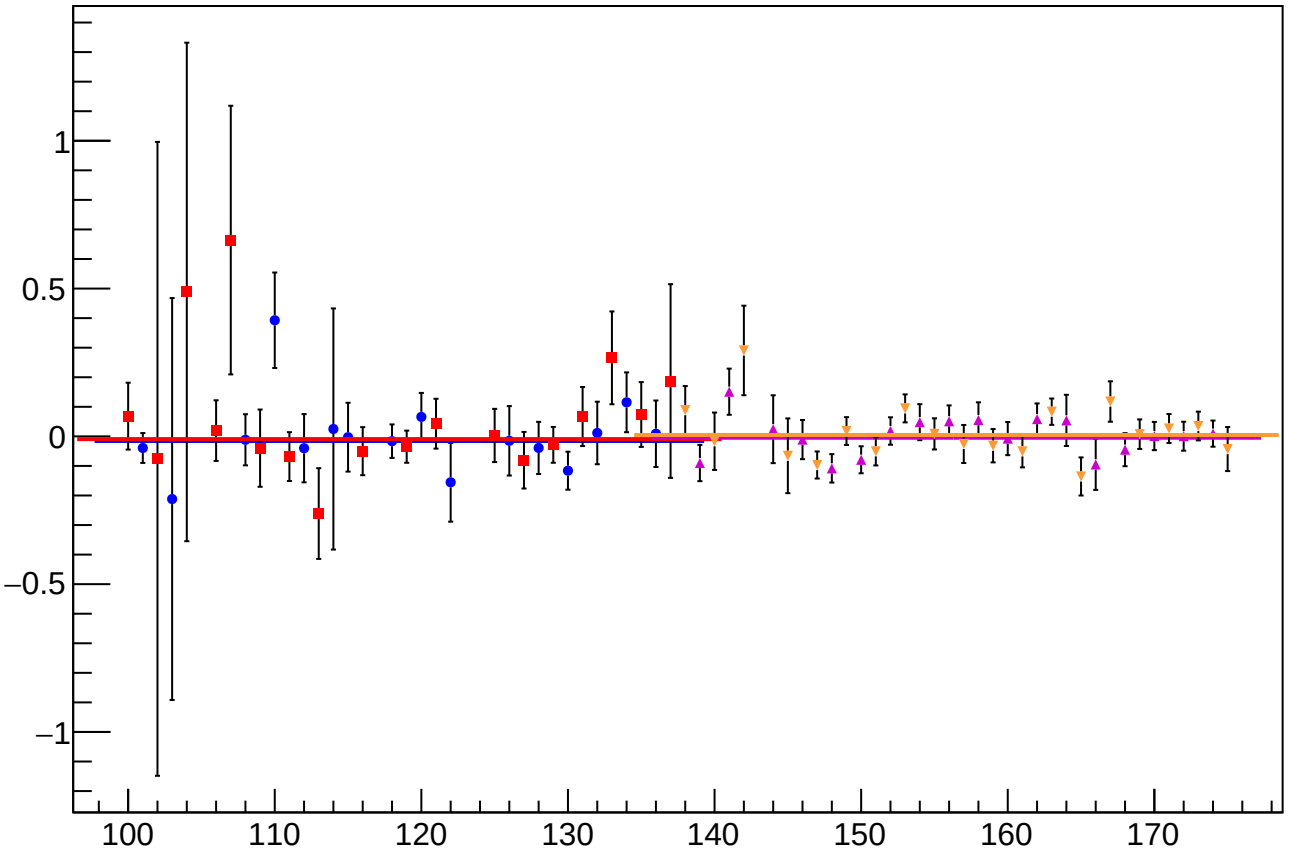
Left: 0.002+/-0.000 χ^2/NDF: 8594451.9/36

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9507340.5/33

Out: 0.001+/-0.000 χ^2/NDF:9218964.0/36

All: 0.001+/-0.000 χ^2/NDF: 18740475.6/70



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

Left: 0.000+/-0.009 χ^2/NDF: 48.5/36

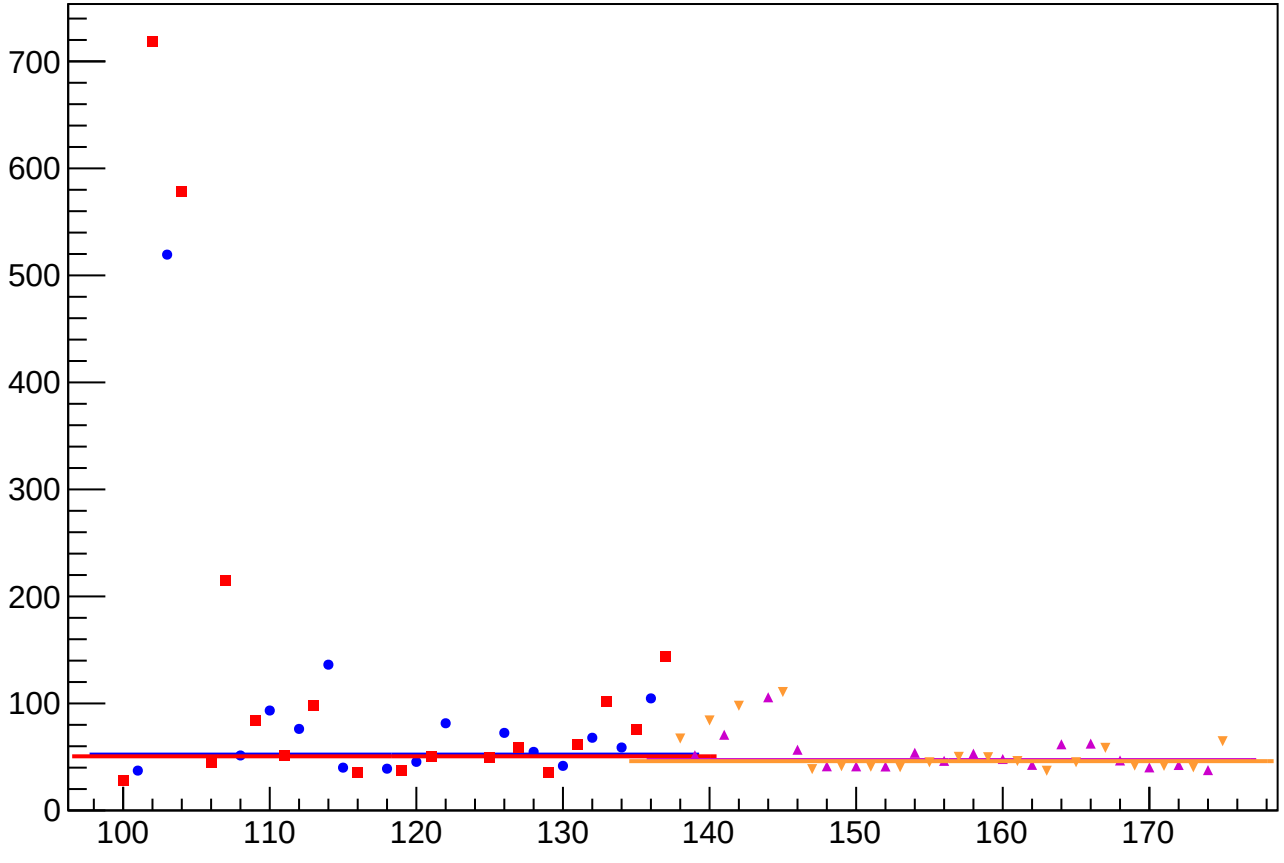
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.007+/-0.011 χ^2/NDF:33.4/33

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.003+/-0.008 χ^2/NDF: 74.6/70

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

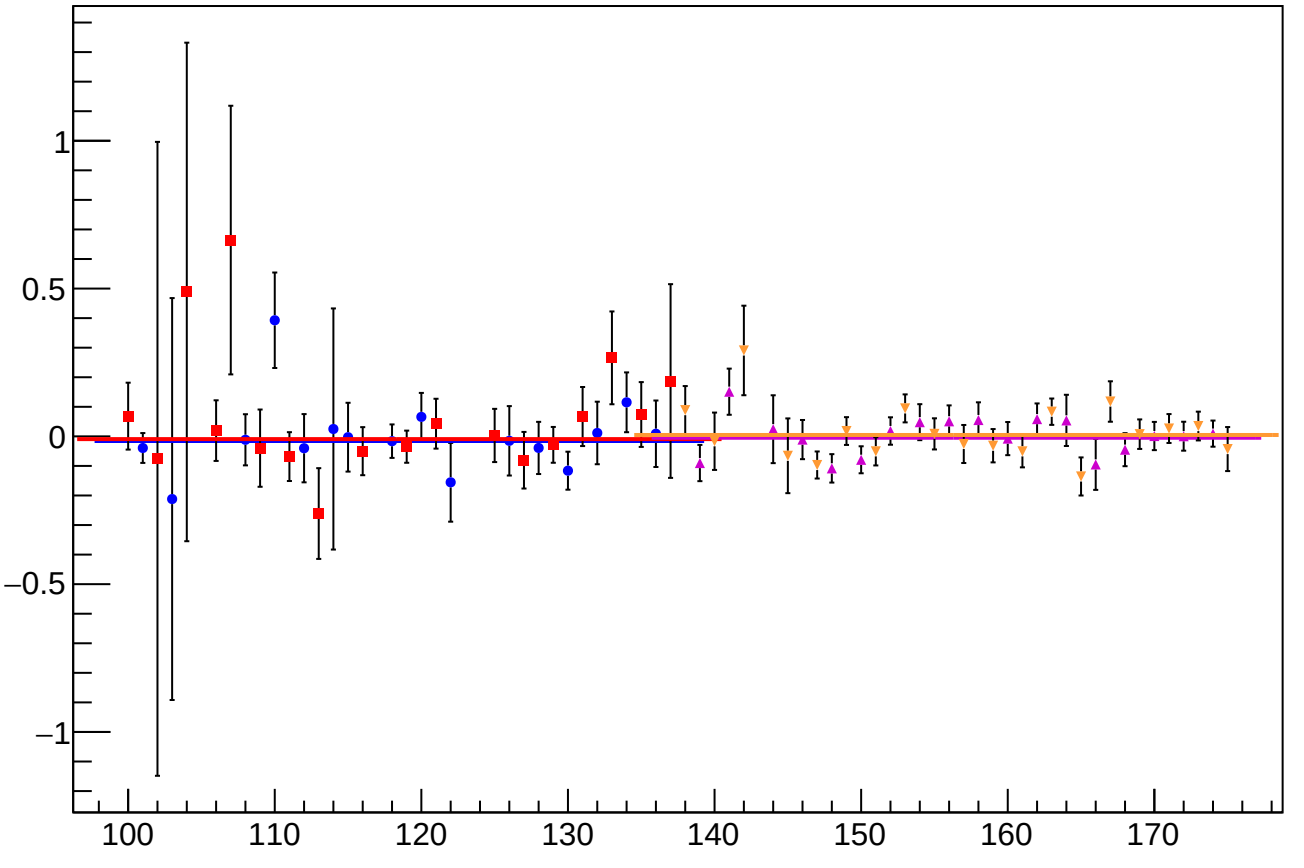
Left: 46.562+/-0.007 χ^2/NDF: 2863967.3/36

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.387+/-0.008 χ^2/NDF:3528922.4/33

Out: 47.135+/-0.008 χ^2/NDF:4779445.5/36

All: 47.760+/-0.006 χ^2/NDF: 8320264.4/70



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

Left: 0.000+/-0.009 χ^2/NDF: 48.5/36

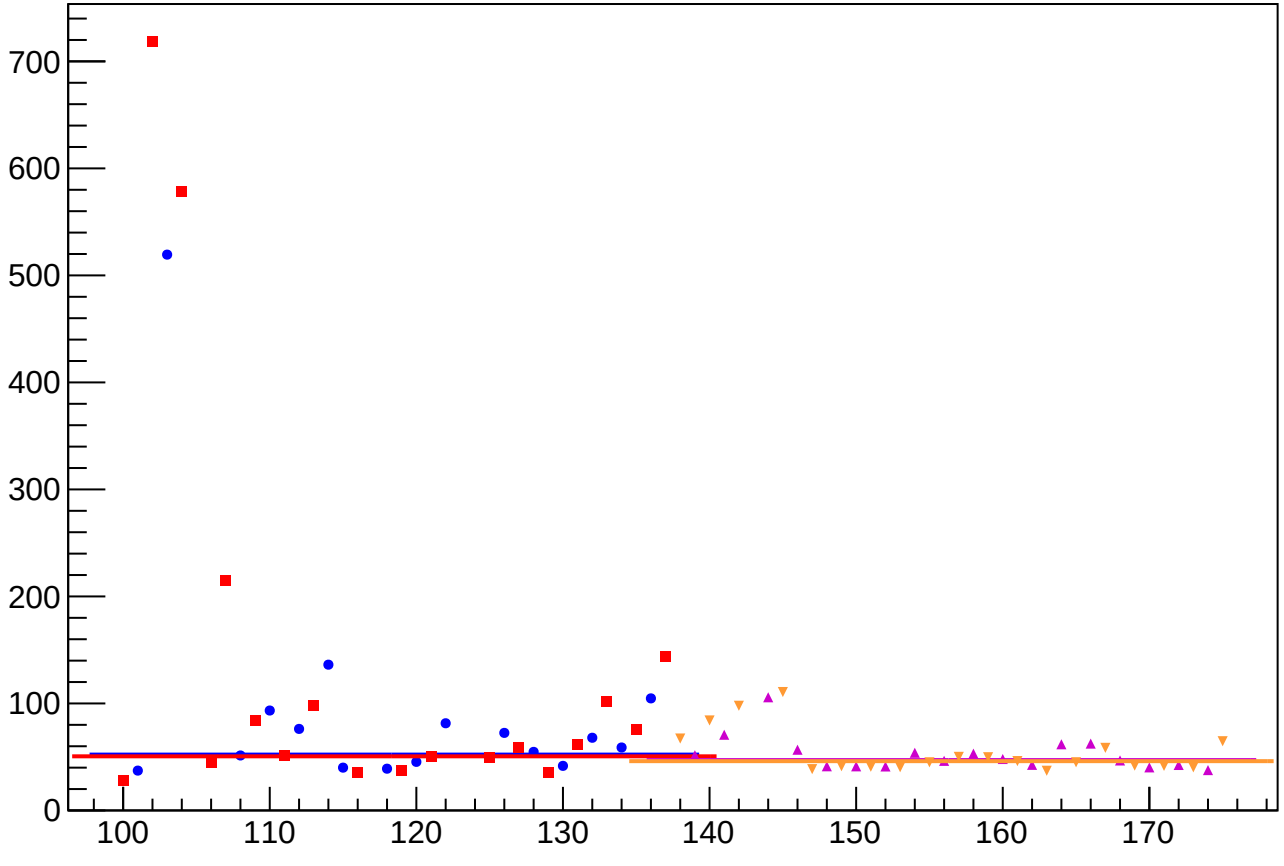
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.007+/-0.011 χ^2/NDF:33.4/33

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.003+/-0.008 χ^2/NDF: 74.6/70

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

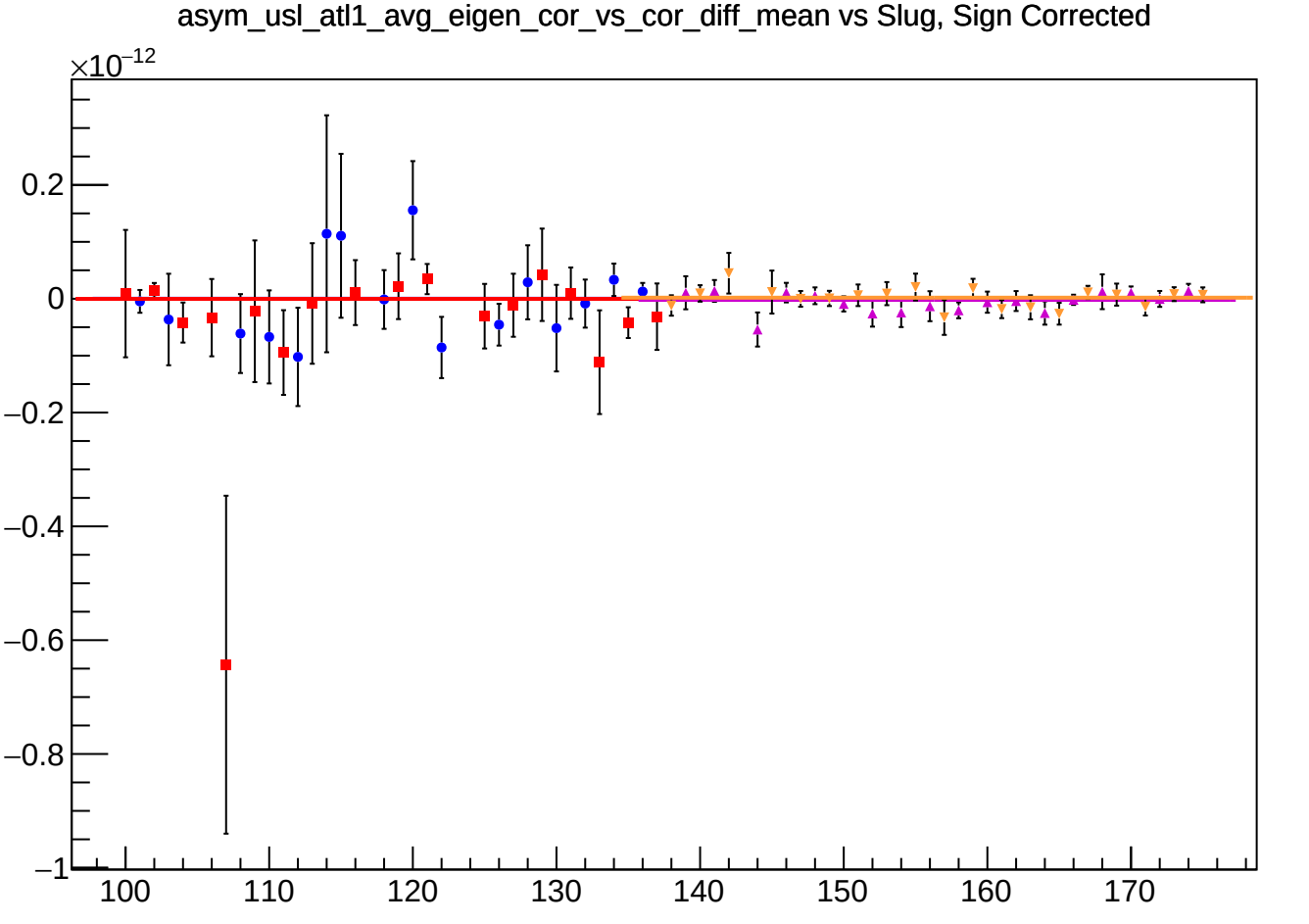
Left: 46.562+/-0.007 χ^2/NDF: 2863967.3/36

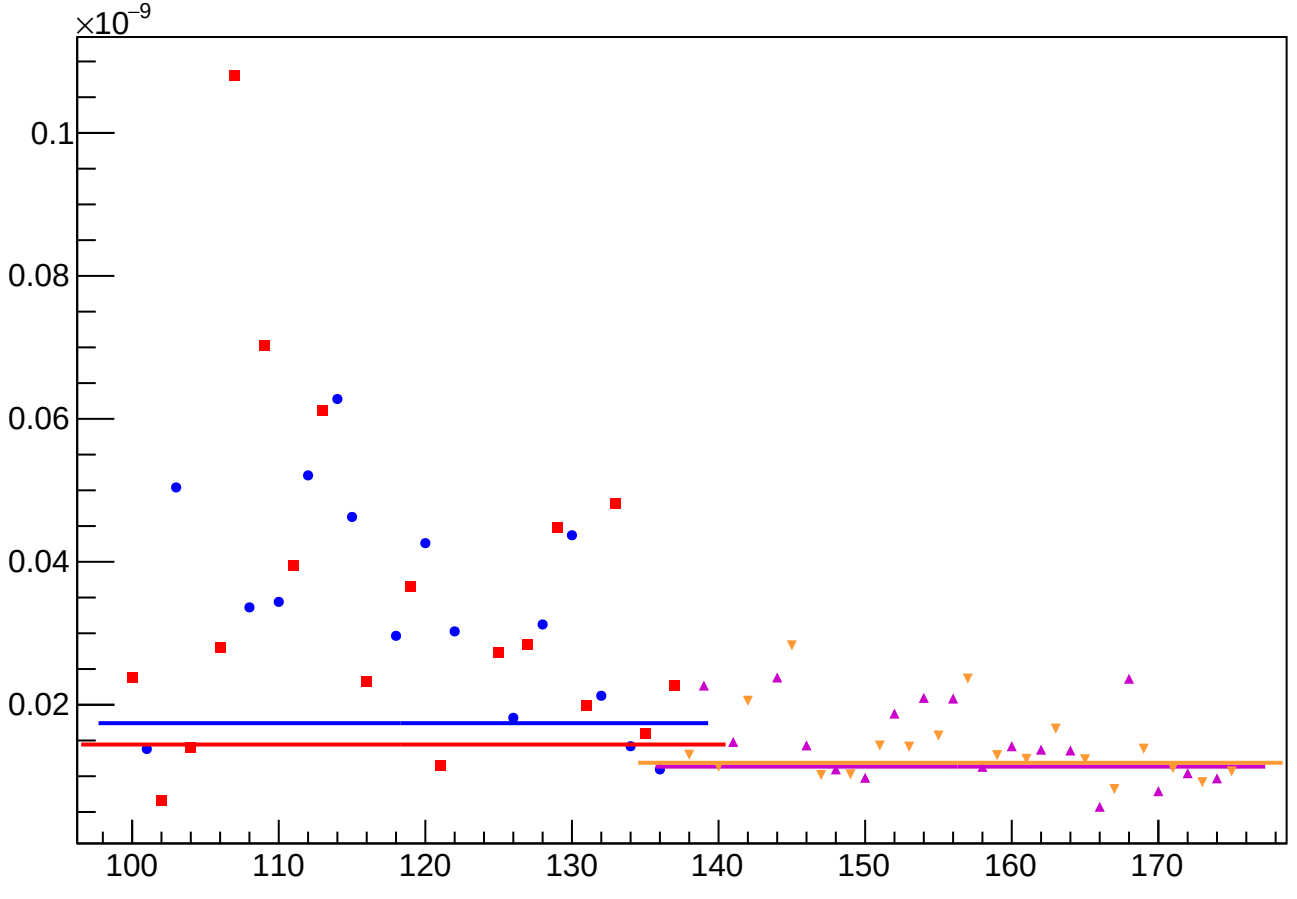
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.387+/-0.008 χ^2/NDF:3528922.4/33

Out: 47.135+/-0.008 χ^2/NDF:4779445.5/36

All: 47.760+/-0.006 χ^2/NDF: 8320264.4/70


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 14.1/15
Left Out: 0.000+/-0.000 χ²/NDF:11.9/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/17
Left In: -0.000+/-0.000 χ²/NDF:13.0/17
Left: -0.000+/-0.000 χ²/NDF: 25.5/36
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:27.1/33
Out: 0.000+/-0.000 χ²/NDF:28.0/36
All: -0.000+/-0.000 χ²/NDF: 55.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1426313.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3007193.9/17

Left: 0.000+/-0.000 χ^2/NDF: 4453301.7/36

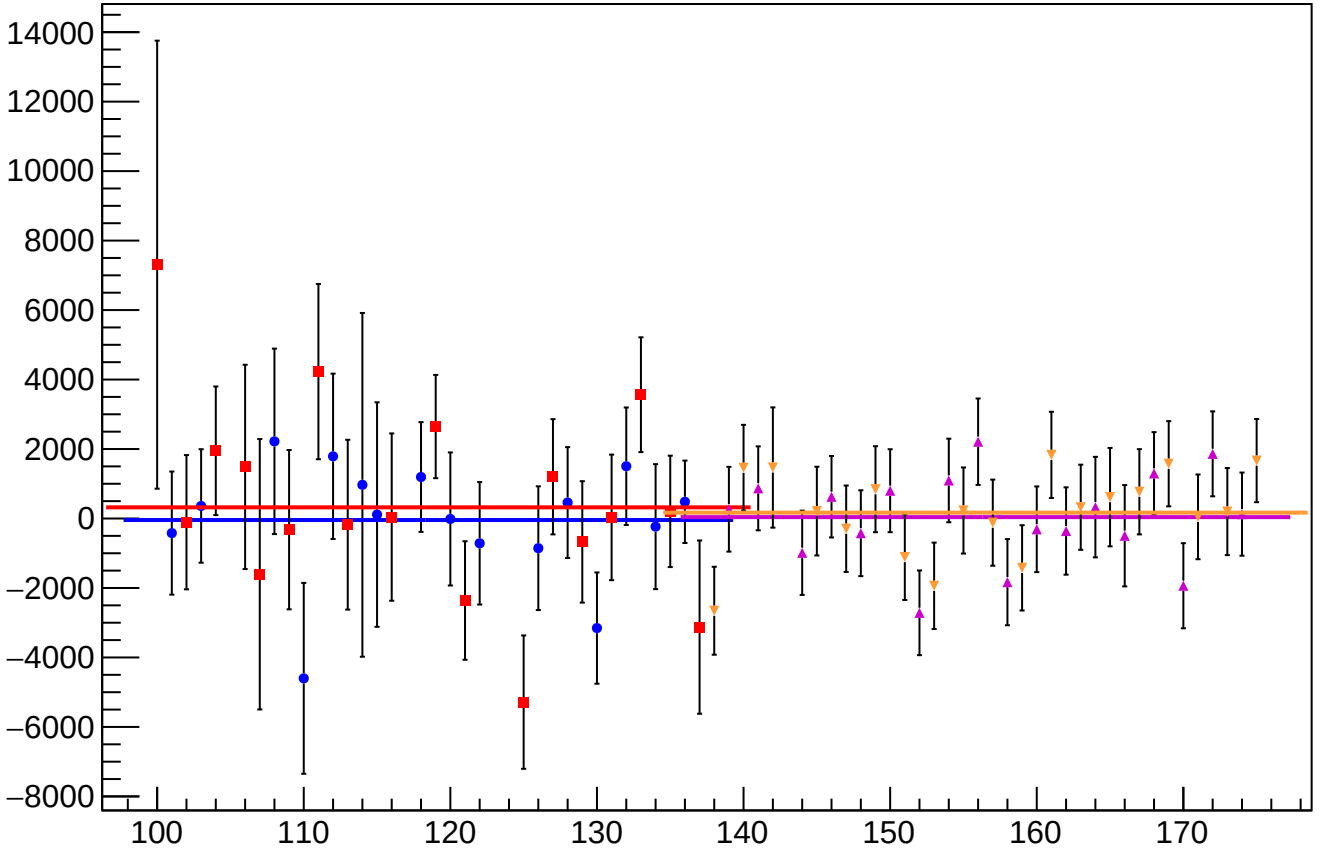
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5953154.0/33

Out: 0.000+/-0.000 χ^2/NDF:4825226.3/36

All: 0.000+/-0.000 χ^2/NDF: 10779048.6/70

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.024+/-289.371 χ^2/NDF:17.8/18

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 39.698+/-291.596 χ^2/NDF:19.5/17

Left: 104.856+/-205.398 χ^2/NDF: 37.4/36

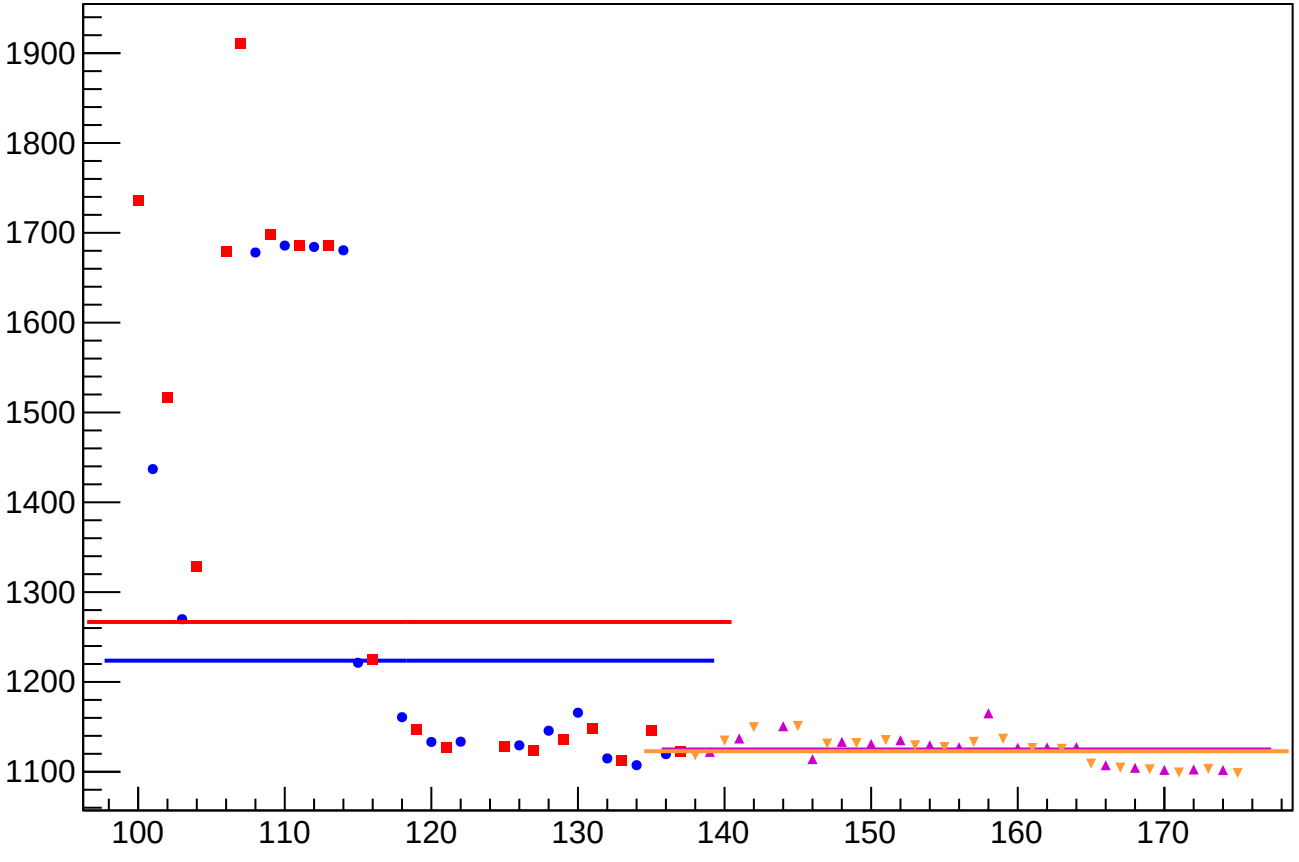
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 15.740+/-246.163 χ^2/NDF:29.6/33

Out: 210.239+/-247.116 χ^2/NDF:42.6/36

All: 112.614+/-174.399 χ^2/NDF: 72.6/70

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

Left: 1123.842+/-0.145 χ^2/NDF: 12568.3/36

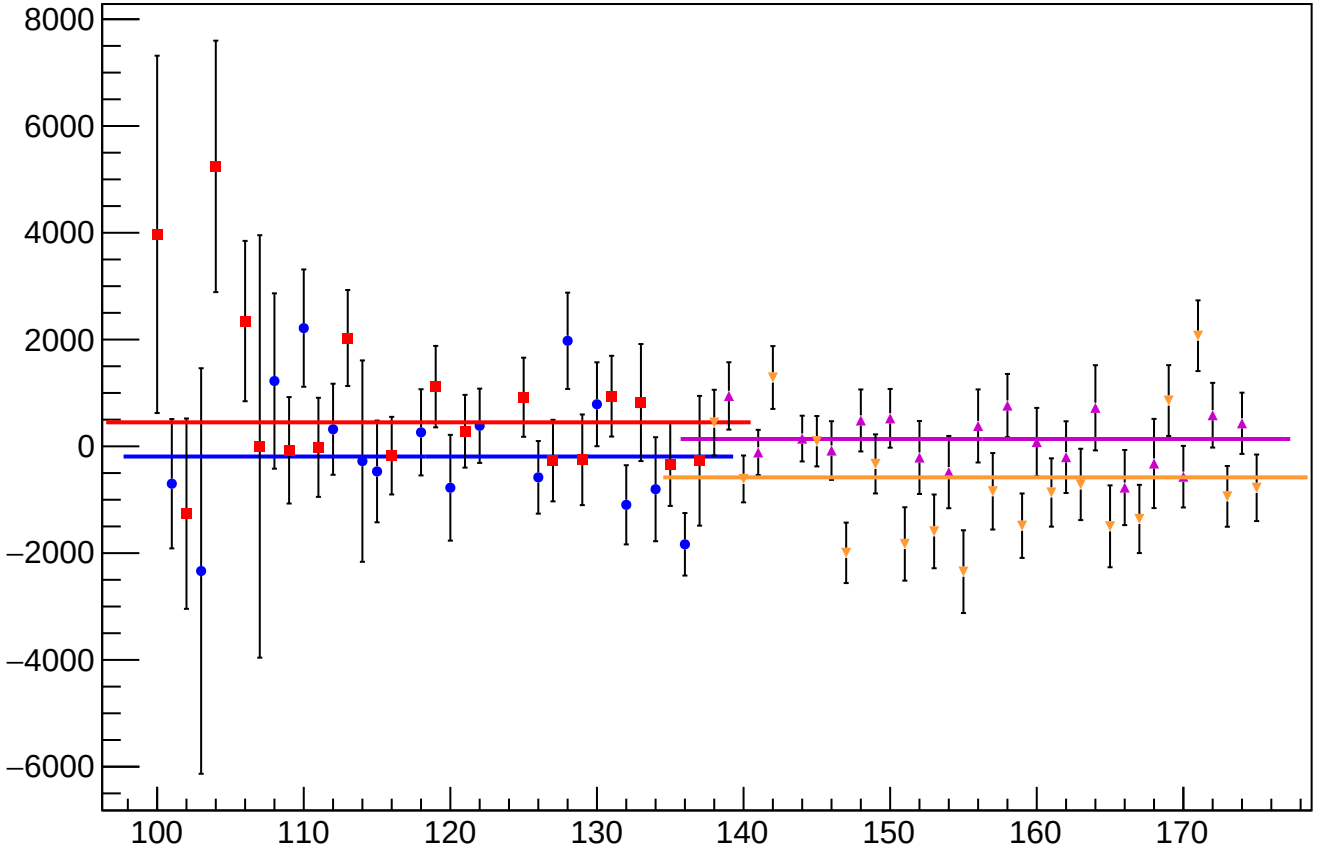
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1153.219+/-0.174 χ^2/NDF:367789.5/33

Out: 1161.851+/-0.175 χ^2/NDF:572522.4/36

All: 1157.519+/-0.123 χ^2/NDF: 941536.9/70

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -581.099+/-139.706 χ^2/NDF:58.8/18

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 137.520+/-140.168 χ^2/NDF:10.4/17

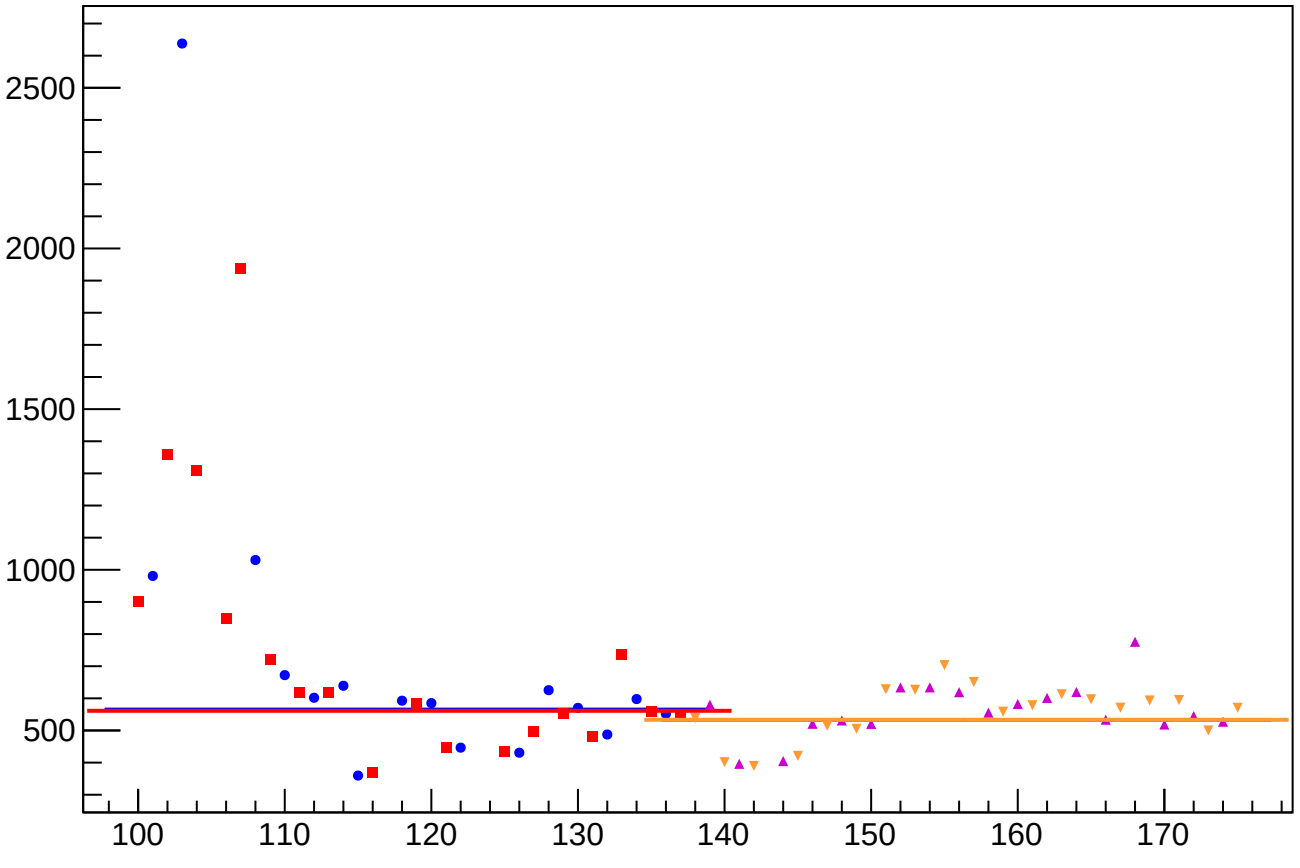
Left: -222.976+/-98.950 χ^2/NDF: 82.4/36

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 44.510+/-118.652 χ^2/NDF:37.2/33

Out: -290.899+/-118.421 χ^2/NDF:90.9/36

All: -123.521+/-83.818 χ^2/NDF: 132.2/70



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 533.179+/-0.099 χ^2/NDF:756502.9/18

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 532.712+/-0.099 χ^2/NDF:751115.9/17

Left: 532.946+/-0.070 χ^2/NDF: 1507629.9/36

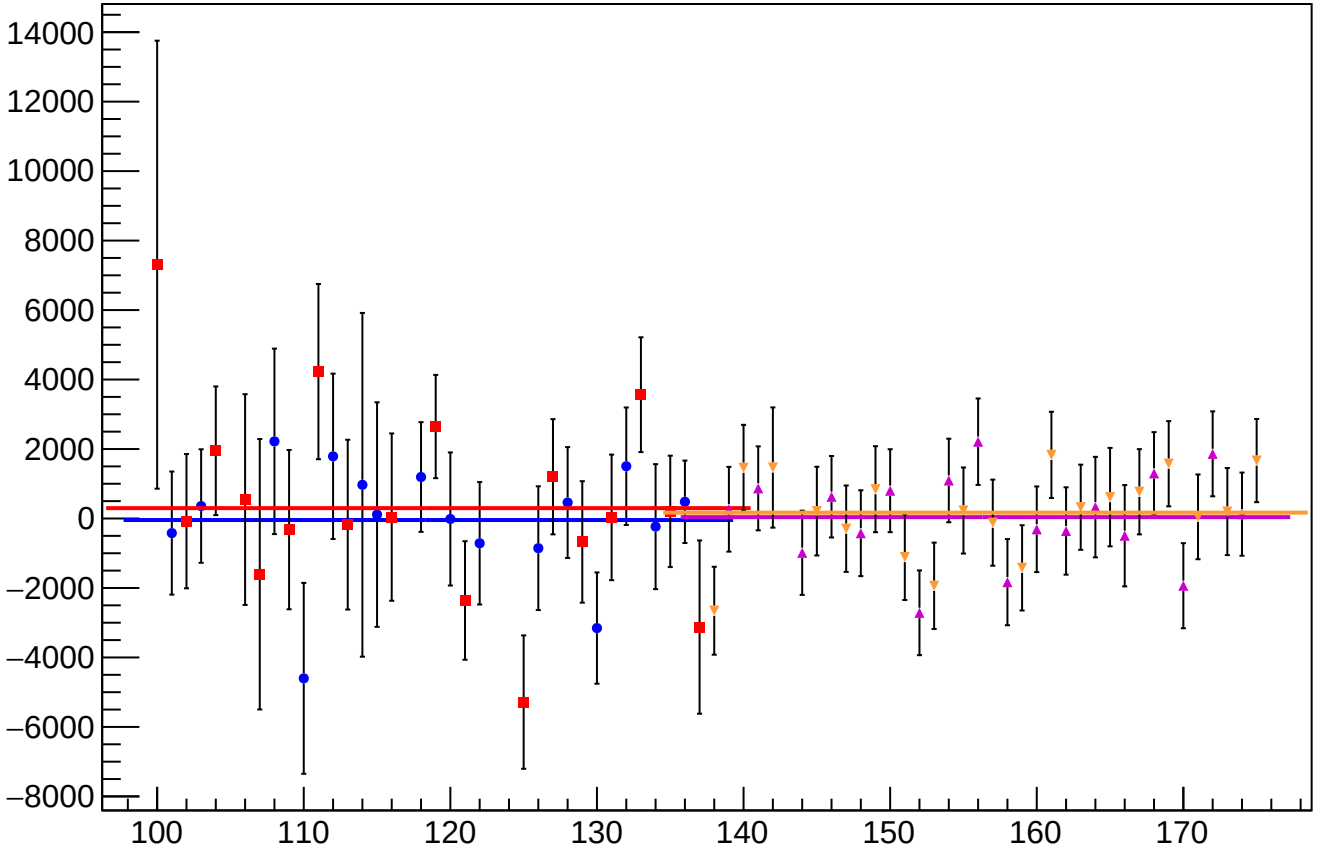
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 541.852+/-0.084 χ^2/NDF:2065597.5/33

Out: 541.079+/-0.084 χ^2/NDF:2131459.6/36

All: 541.465+/-0.059 χ^2/NDF: 4197099.6/70

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 39.695+/-291.596 χ^2/NDF:19.5/17

Left: 104.875+/-205.398 χ^2/NDF: 37.4/36

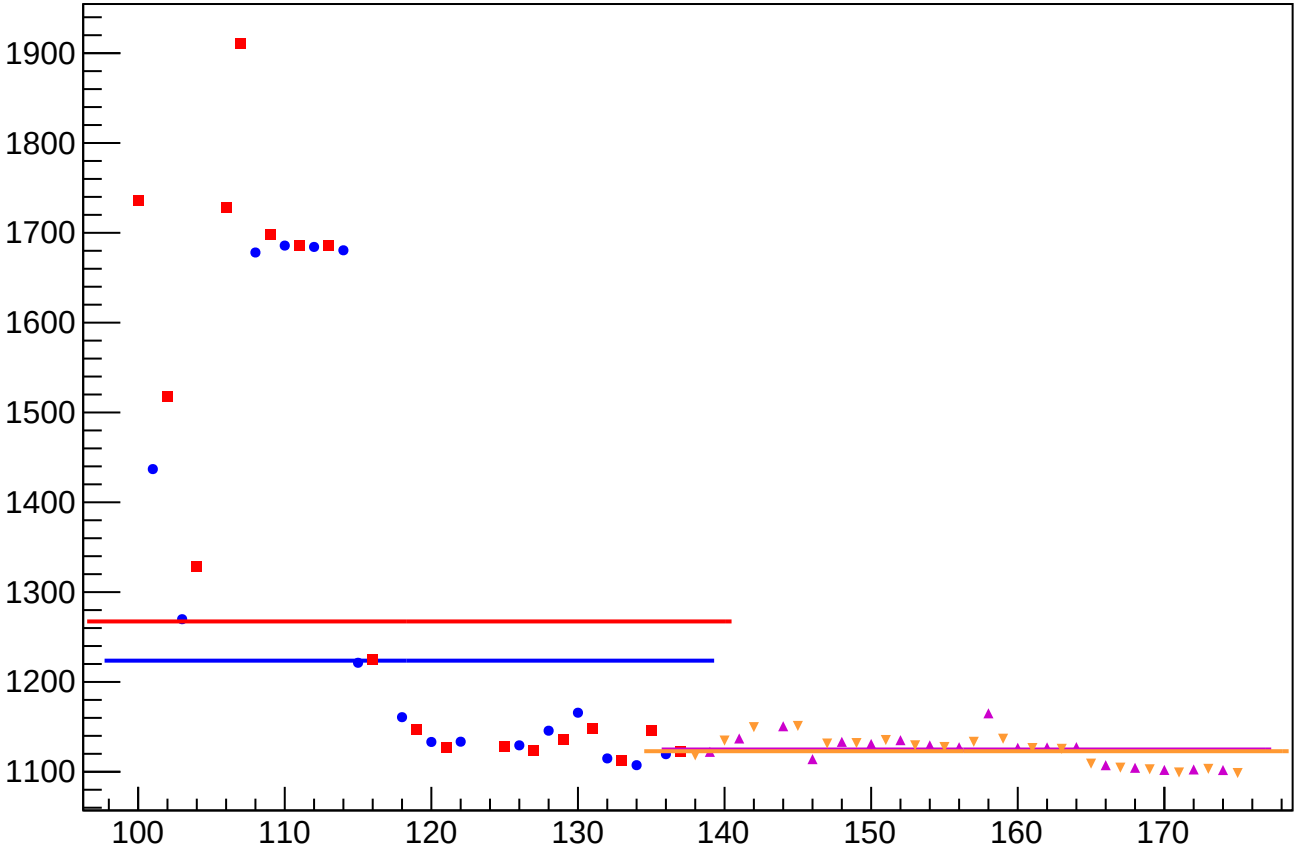
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 15.668+/-246.163 χ^2/NDF:29.6/33

Out: 203.987+/-247.169 χ^2/NDF:42.5/36

All: 109.443+/-174.418 χ^2/NDF: 72.4/70

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

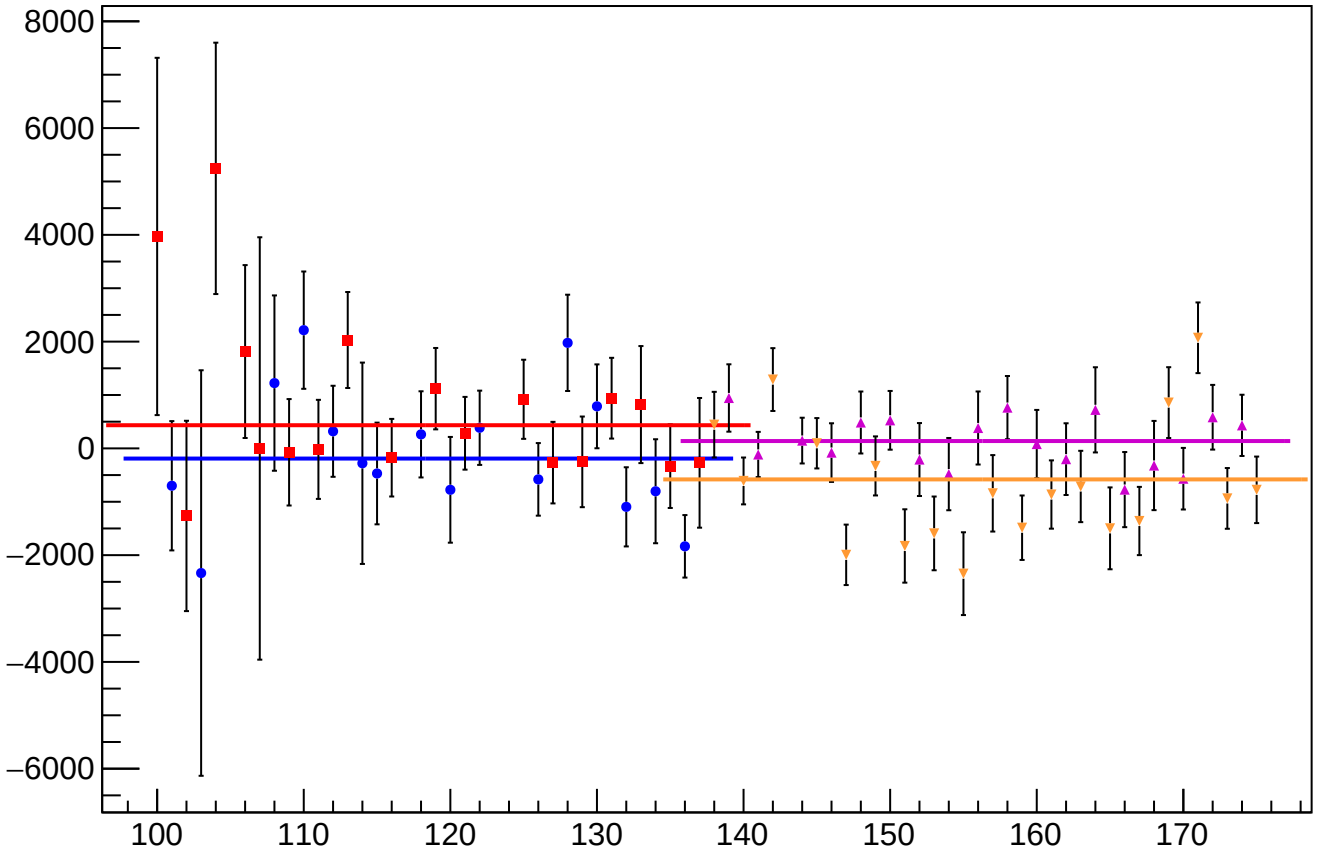
Left: 1123.842+/-0.145 χ^2/NDF: 12568.3/36

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1153.219+/-0.174 χ^2/NDF:367789.6/33

Out: 1161.964+/-0.175 χ^2/NDF:580591.7/36

All: 1157.574+/-0.123 χ^2/NDF: 949638.2/70



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -581.125+/-139.705 χ^2/NDF:58.8/18

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 137.503+/-140.167 χ^2/NDF:10.4/17

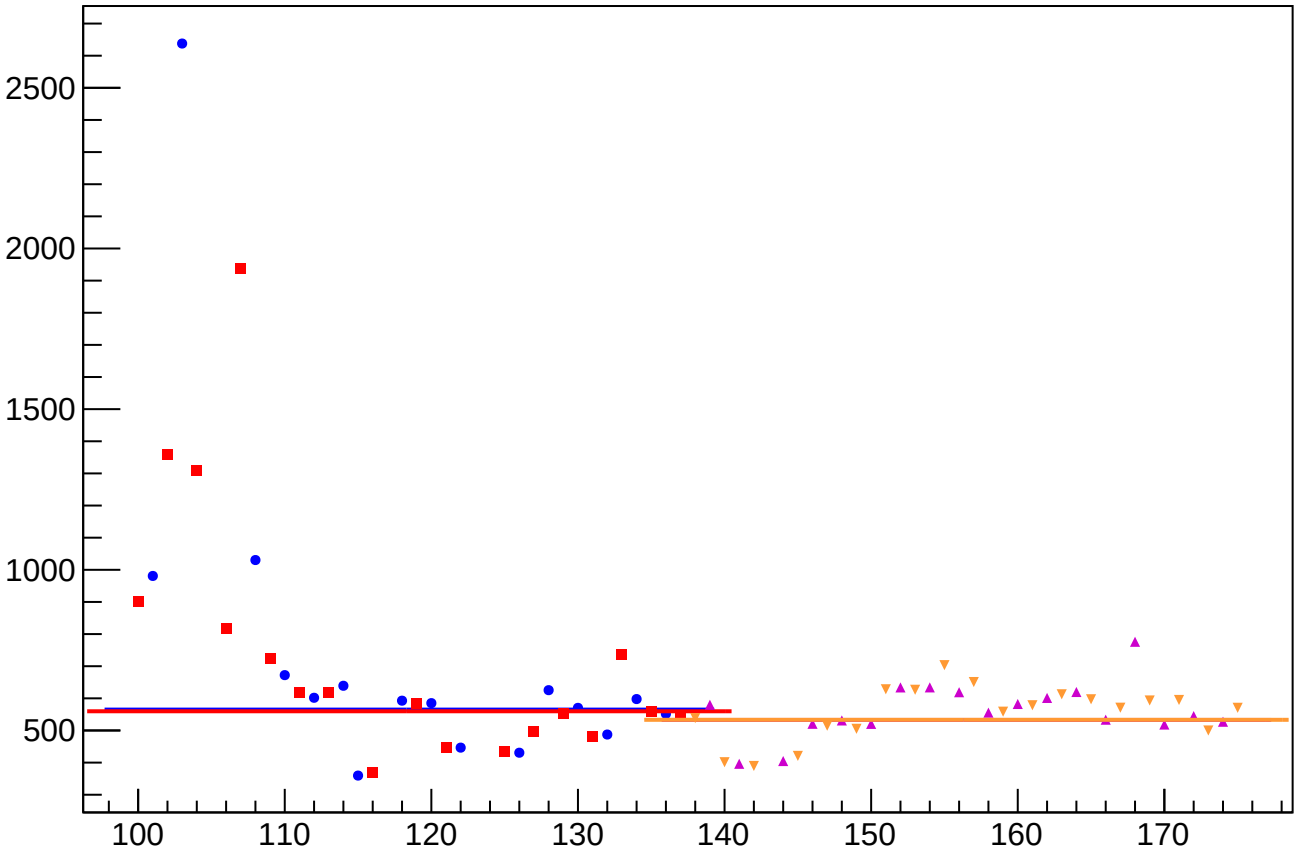
Left: -222.998+/-98.950 χ^2/NDF: 82.4/36

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 44.494+/-118.652 χ^2/NDF:37.2/33

Out: -296.047+/-118.473 χ^2/NDF:89.6/36

All: -126.034+/-83.836 χ^2/NDF: 130.9/70



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

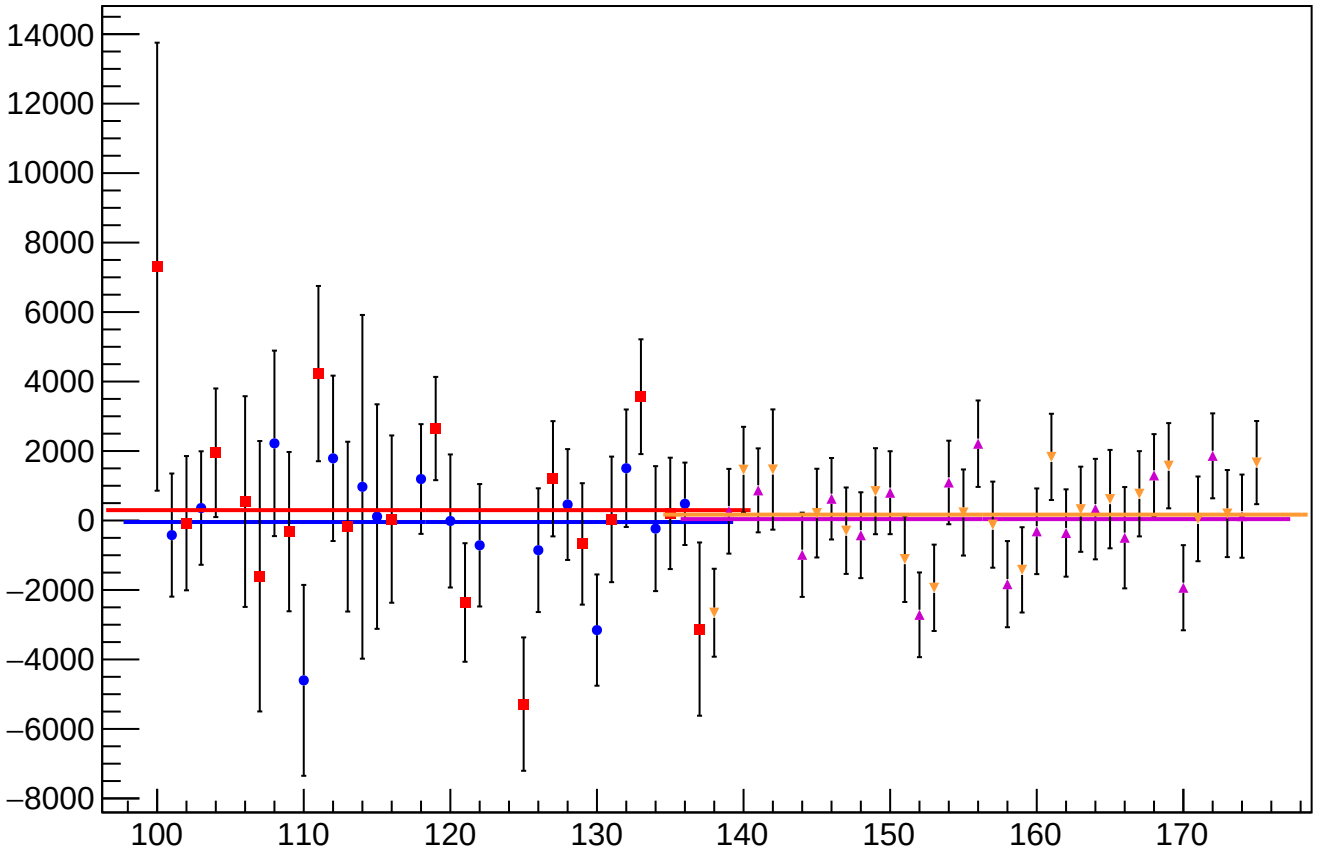
Left: 532.945+/-0.070 χ^2/NDF: 1507576.3/36

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 541.850+/-0.084 χ^2/NDF:2065525.6/33

Out: 540.643+/-0.084 χ^2/NDF:2106181.8/36

All: 541.246+/-0.059 χ^2/NDF: 4171811.1/70



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 39.695+/-291.596 χ^2/NDF:19.5/17

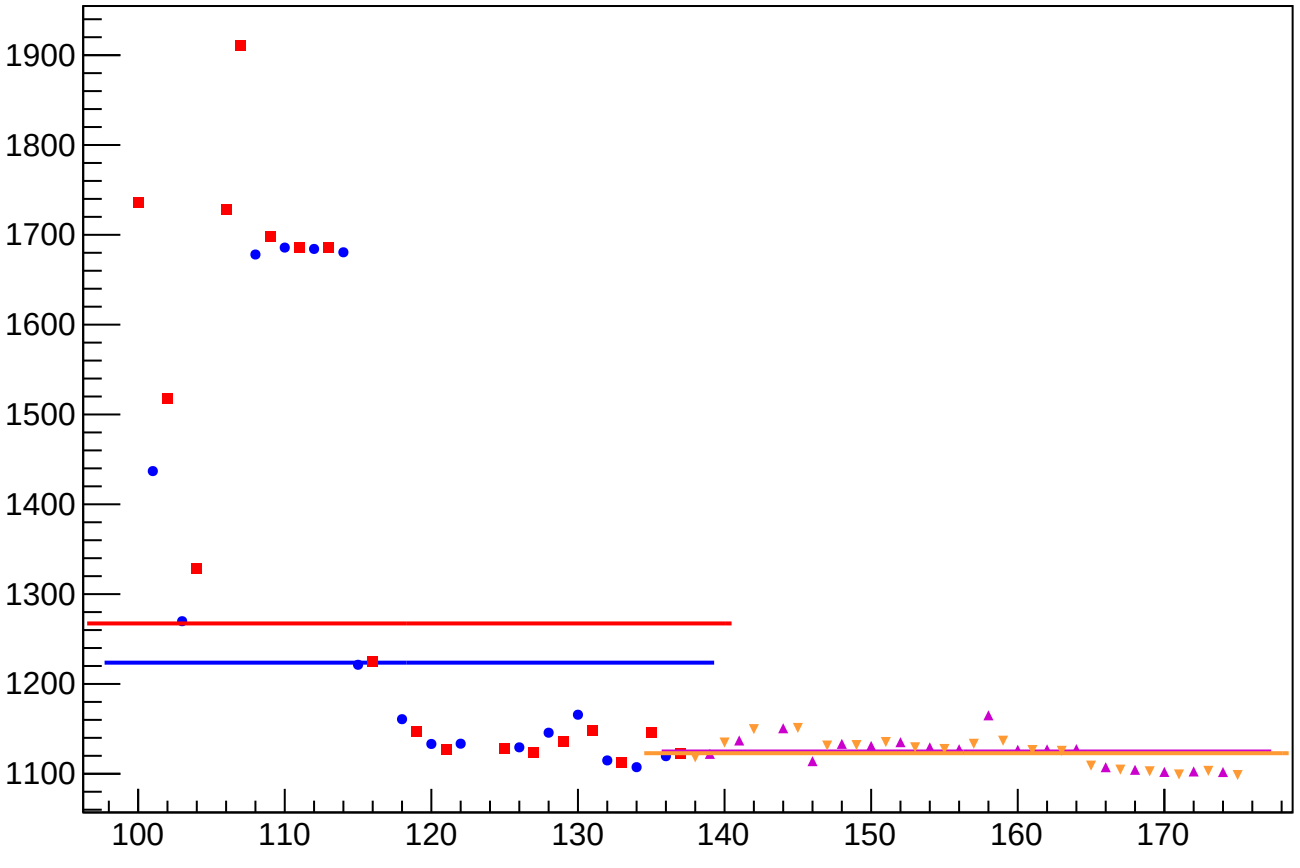
Left: 104.875+/-205.398 χ^2/NDF: 37.4/36

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 15.668+/-246.163 χ^2/NDF:29.6/33

Out: 203.987+/-247.169 χ^2/NDF:42.5/36

All: 109.443+/-174.418 χ^2/NDF: 72.4/70



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

Left: 1123.842+/-0.145 χ^2/NDF: 12568.3/36

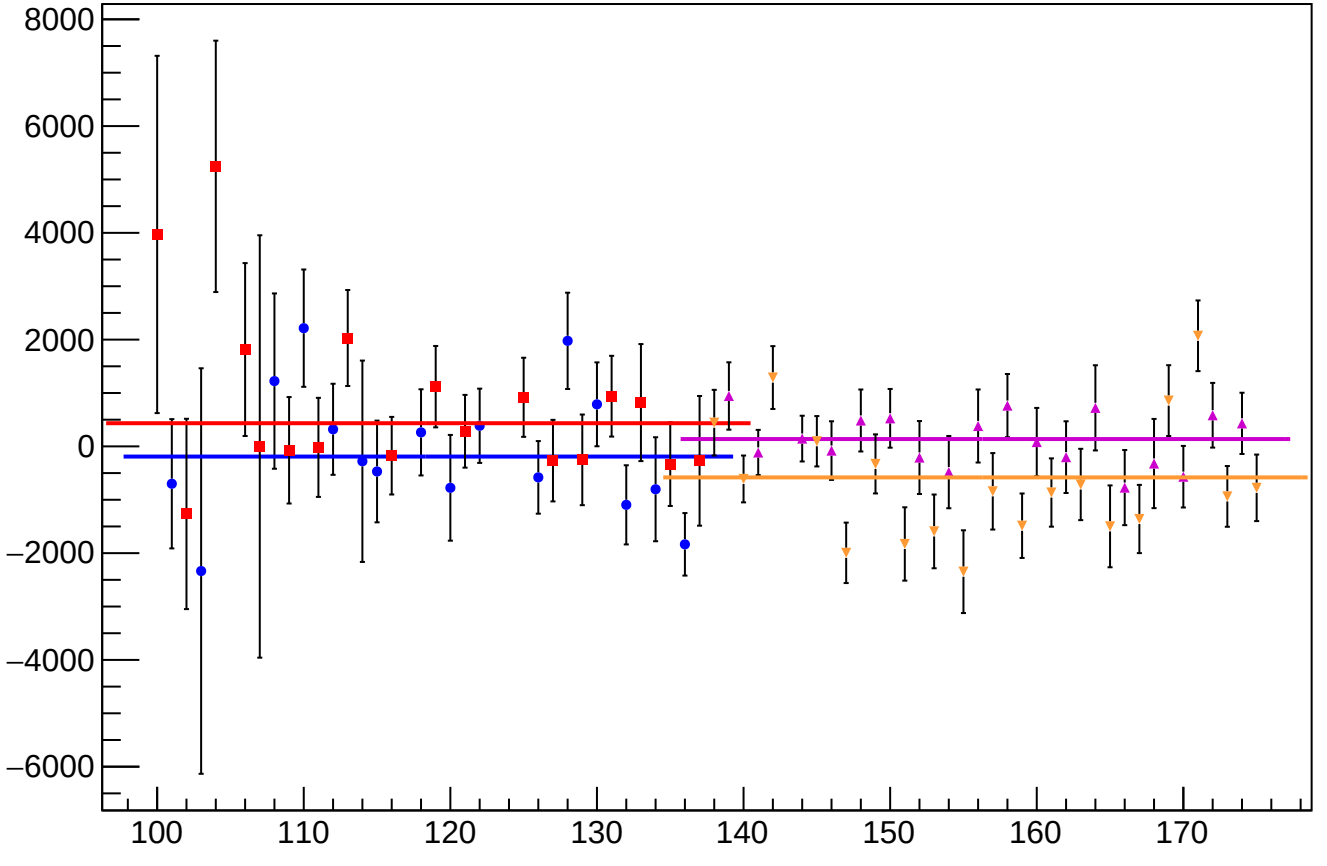
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1153.219+/-0.174 χ^2/NDF:367789.6/33

Out: 1161.964+/-0.175 χ^2/NDF:580591.7/36

All: 1157.574+/-0.123 χ^2/NDF: 949638.2/70

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -581.125+/-139.705 χ^2/NDF:58.8/18

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 137.503+/-140.167 χ^2/NDF:10.4/17

Left: -222.998+/-98.950 χ^2/NDF: 82.4/36

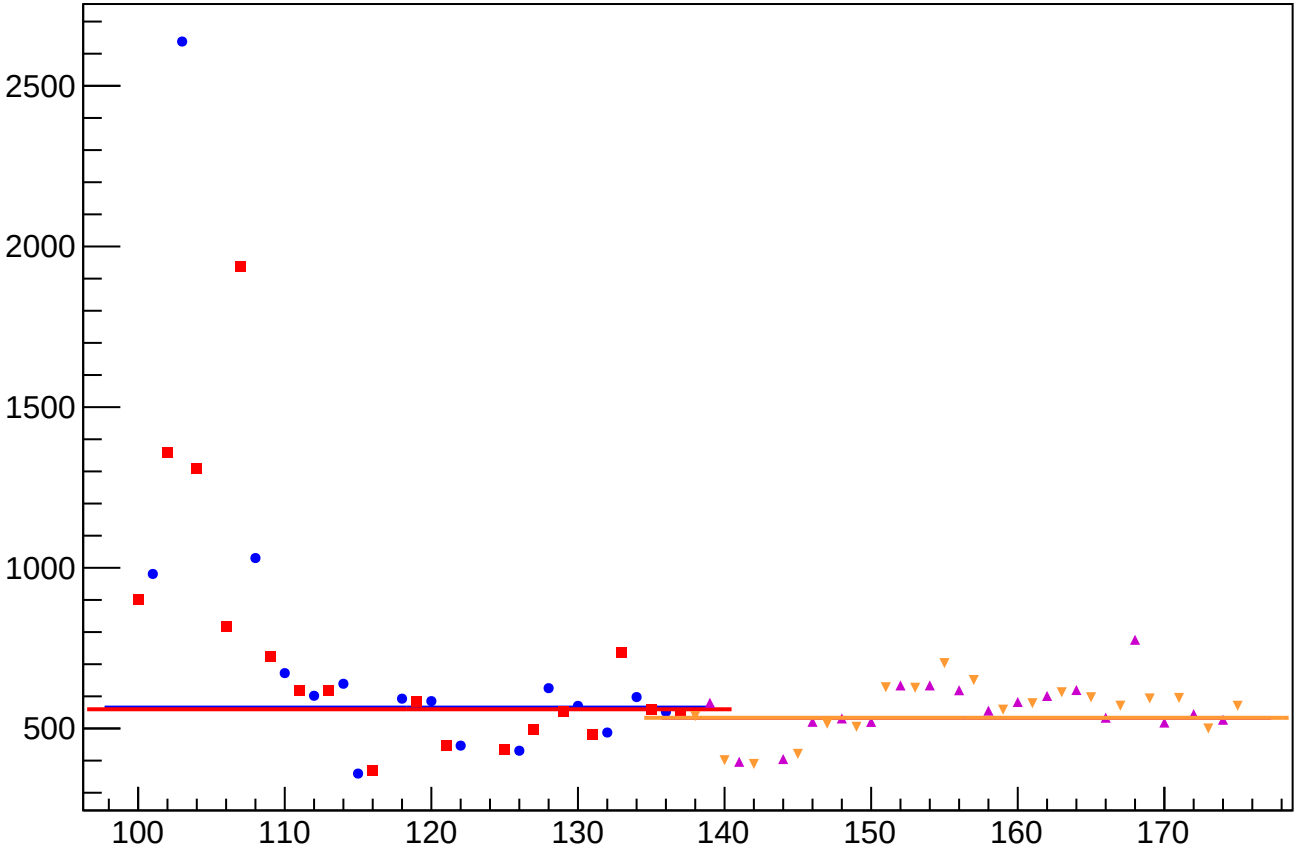
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 44.494+/-118.652 χ^2/NDF:37.2/33

Out: -296.047+/-118.473 χ^2/NDF:89.6/36

All: -126.034+/-83.836 χ^2/NDF: 130.9/70

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

Left: 532.945+/-0.070 χ^2/NDF: 1507576.3/36

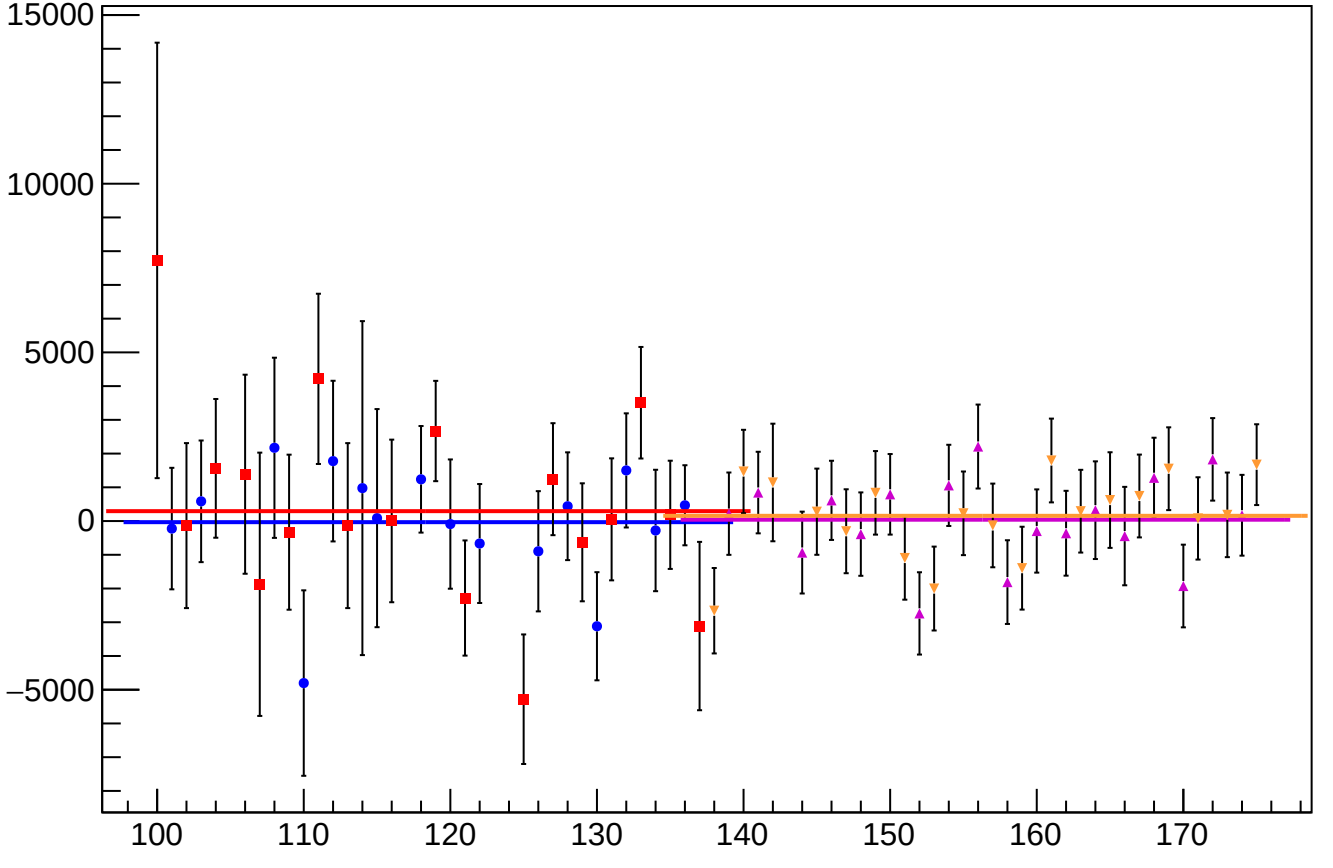
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 541.850+/-0.084 χ^2/NDF:2065525.6/33

Out: 540.643+/-0.084 χ^2/NDF:2106181.8/36

All: 541.246+/-0.059 χ^2/NDF: 4171811.1/70

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.205+/-289.543 χ^2/NDF:17.5/18

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 39.955+/-291.710 χ^2/NDF:19.2/17

Left: 98.010+/-205.500 χ^2/NDF: 36.8/36

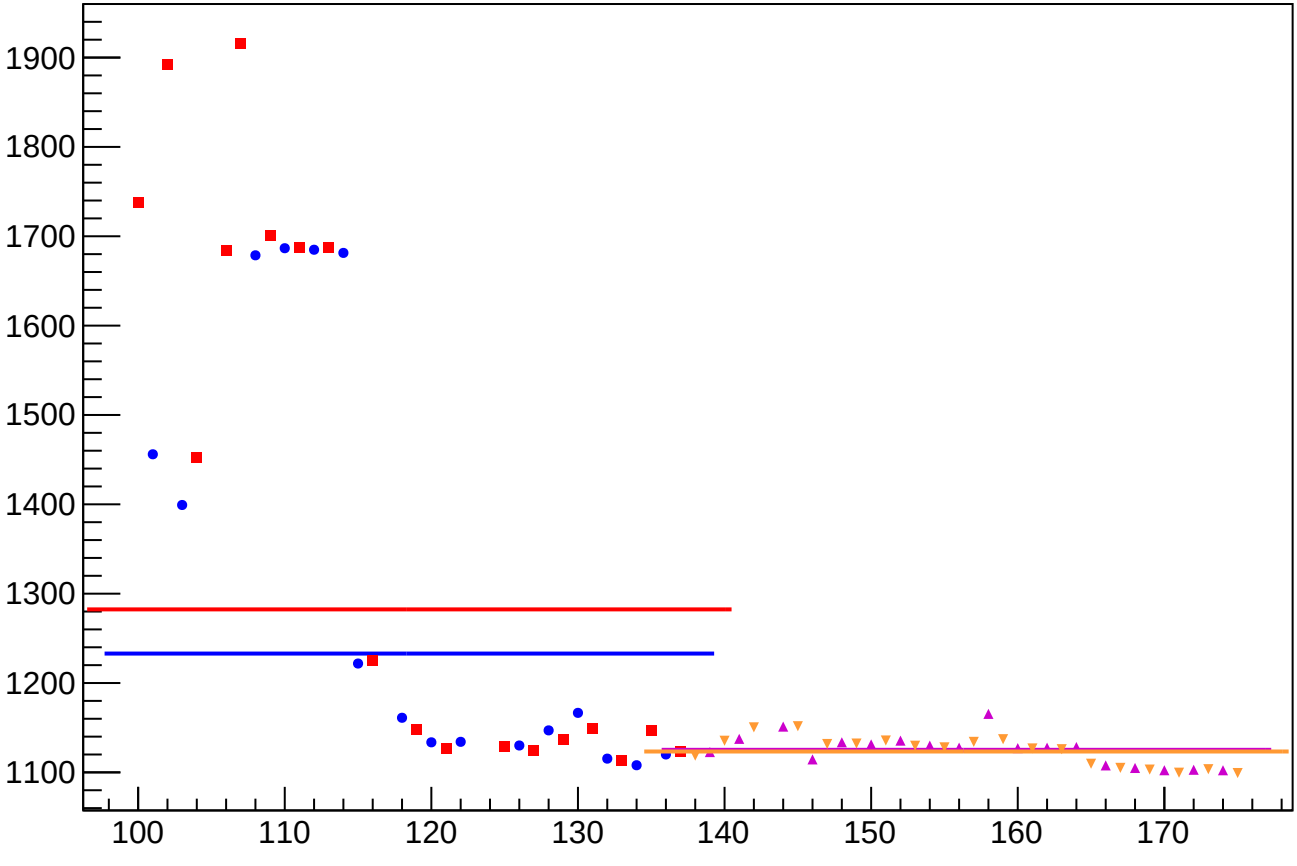
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 19.221+/-246.841 χ^2/NDF:29.4/33

Out: 191.641+/-248.453 χ^2/NDF:41.8/36

All: 104.870+/-175.110 χ^2/NDF: 71.5/70

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

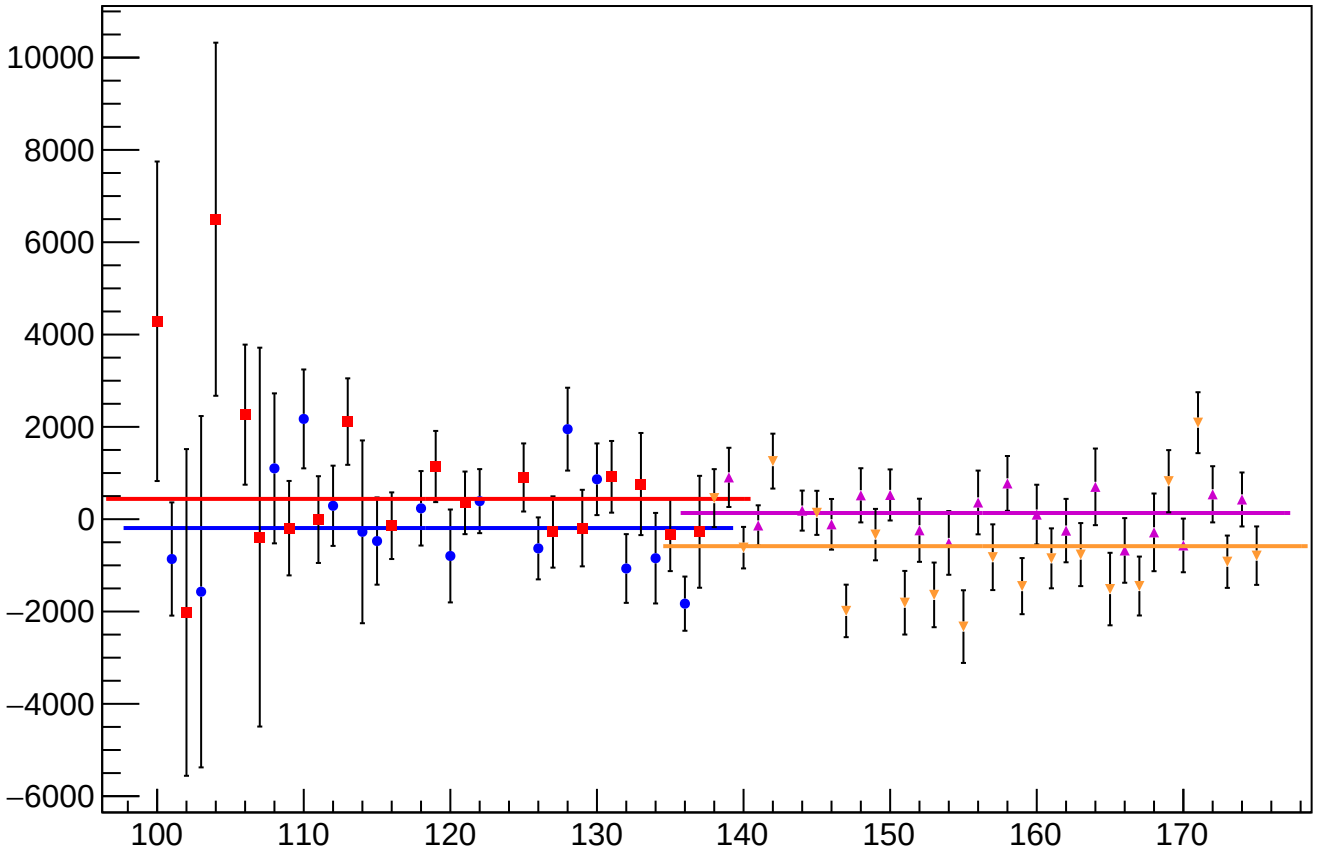
Left: 1124.292+/-0.145 χ^2/NDF: 12572.2/36

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1155.828+/-0.175 χ^2/NDF:399637.3/33

Out: 1165.299+/-0.176 χ^2/NDF:708349.0/36

All: 1160.533+/-0.124 χ^2/NDF: 1109448.8/70



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -584.216+/-141.214 χ^2/NDF:58.1/18

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 134.340+/-141.908 χ^2/NDF:9.9/17

Left: -226.697+/-100.098 χ^2/NDF: 80.9/36

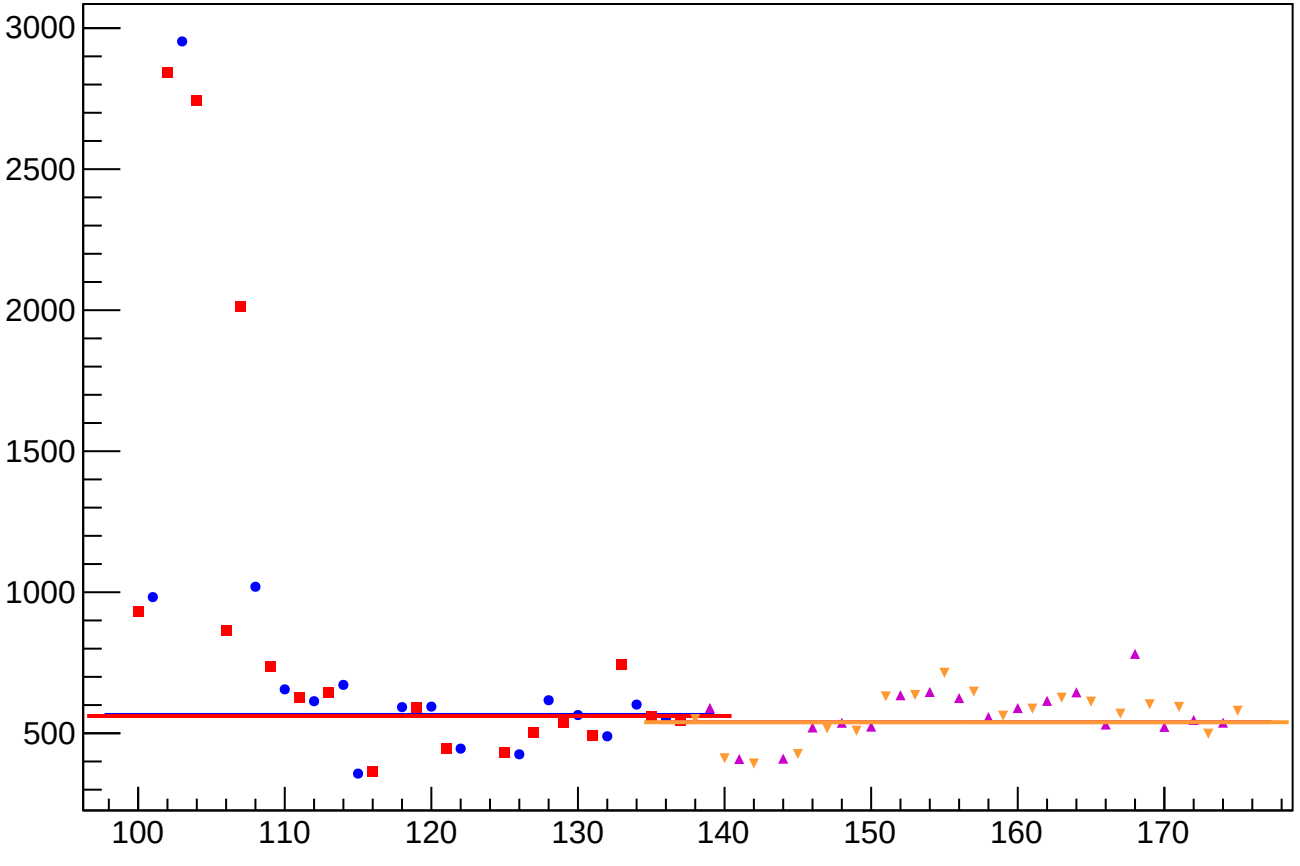
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 40.273+/-119.686 χ^2/NDF:36.7/33

Out: -297.824+/-119.847 χ^2/NDF:87.5/36

All: -128.548+/-84.688 χ^2/NDF: 128.2/70

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 539.213+/-0.100 χ^2/NDF:740184.7/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 539.681+/-0.100 χ^2/NDF:729469.9/17

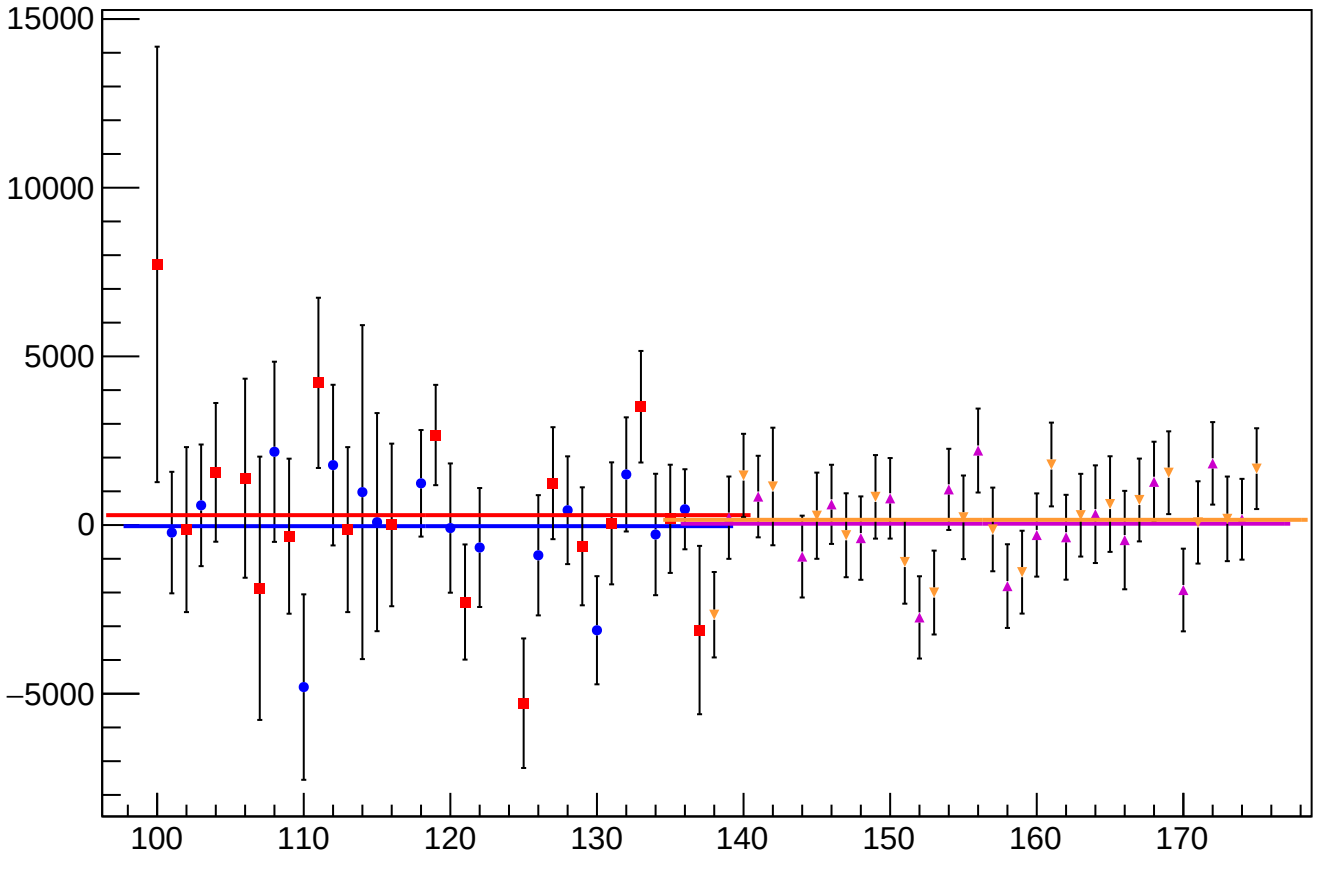
Left: 539.446+/-0.071 χ^2/NDF: 1469665.5/36

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 546.952+/-0.085 χ^2/NDF:2228036.8/33

Out: 545.384+/-0.085 χ^2/NDF:3027209.0/36

All: 546.169+/-0.060 χ^2/NDF: 5255417.3/70



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.203+/-289.543 χ^2/NDF:17.5/18

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 39.956+/-291.710 χ^2/NDF:19.2/17

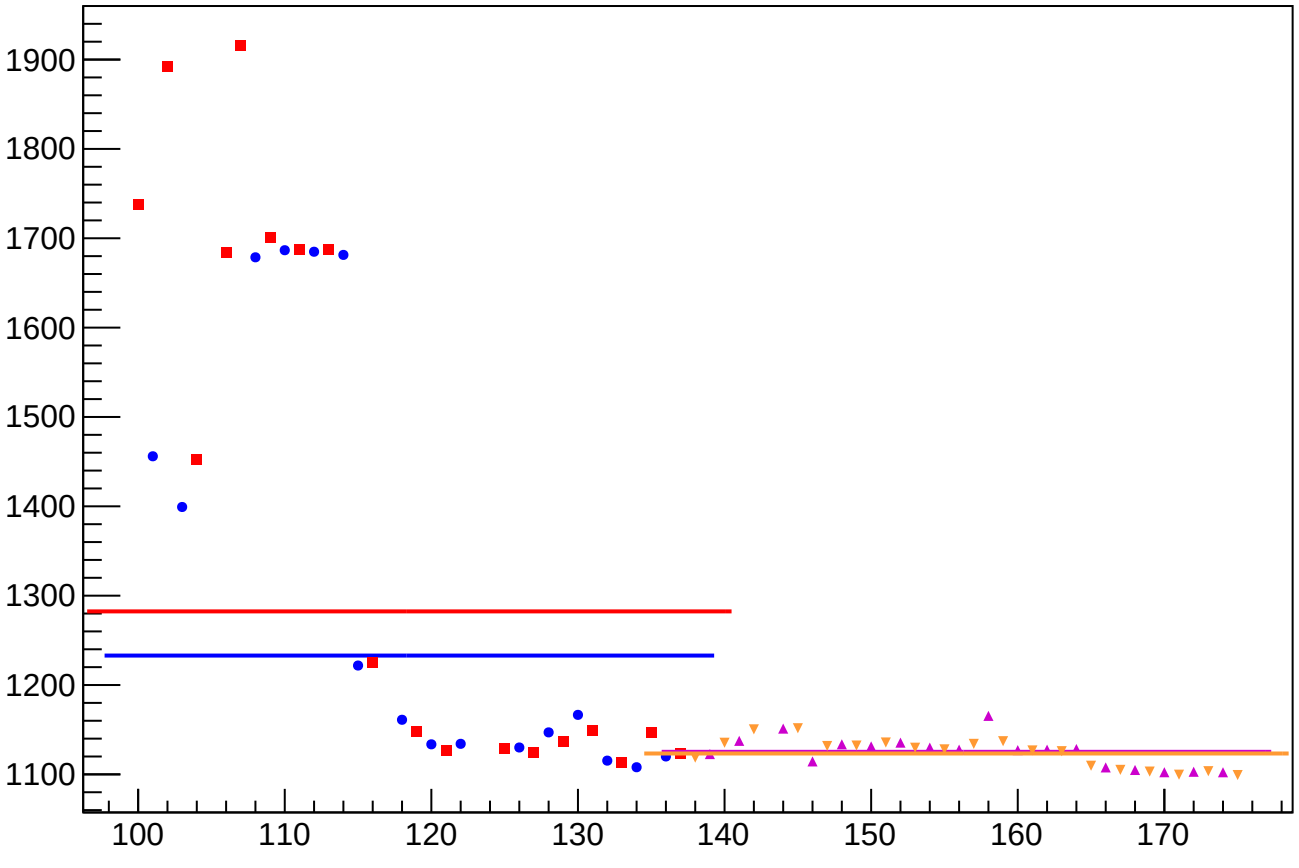
Left: 98.009+/-205.500 χ^2/NDF: 36.8/36

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 19.221+/-246.841 χ^2/NDF:29.4/33

Out: 191.640+/-248.453 χ^2/NDF:41.8/36

All: 104.869+/-175.110 χ^2/NDF: 71.5/70



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

Left: 1124.292+/-0.145 χ^2/NDF: 12572.2/36

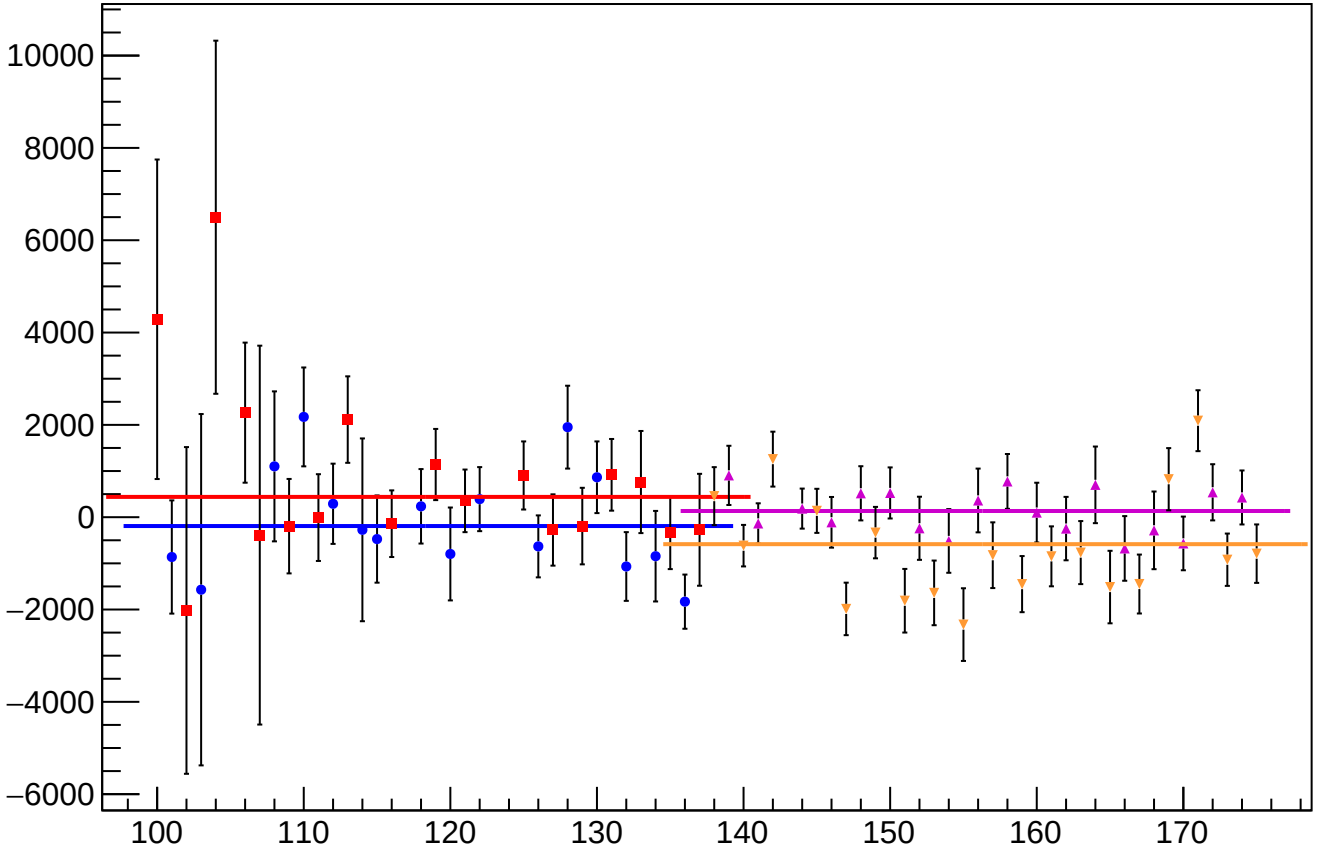
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1155.828+/-0.175 χ^2/NDF:399636.8/33

Out: 1165.299+/-0.176 χ^2/NDF:708348.3/36

All: 1160.533+/-0.124 χ^2/NDF: 1109447.6/70

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -584.215+/-141.214 χ^2/NDF:58.1/18

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 134.340+/-141.908 χ^2/NDF:9.9/17

Left: -226.697+/-100.098 χ^2/NDF: 80.9/36

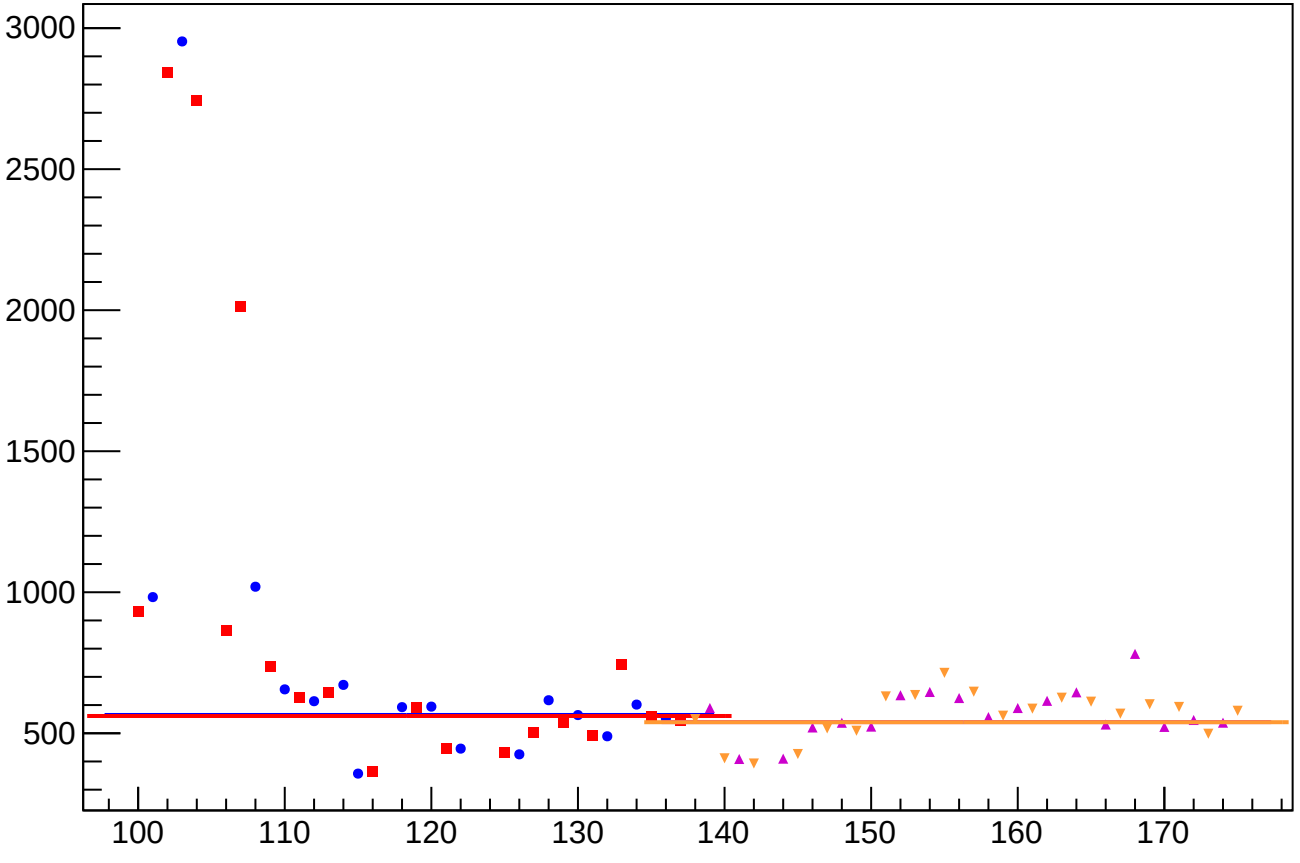
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 40.273+/-119.686 χ^2/NDF:36.7/33

Out: -297.823+/-119.847 χ^2/NDF:87.5/36

All: -128.547+/-84.688 χ^2/NDF: 128.2/70

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 539.212+/-0.100 χ^2/NDF:740203.2/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 539.680+/-0.100 χ^2/NDF:729482.3/17

Left: 539.445+/-0.071 χ^2/NDF: 1469696.4/36

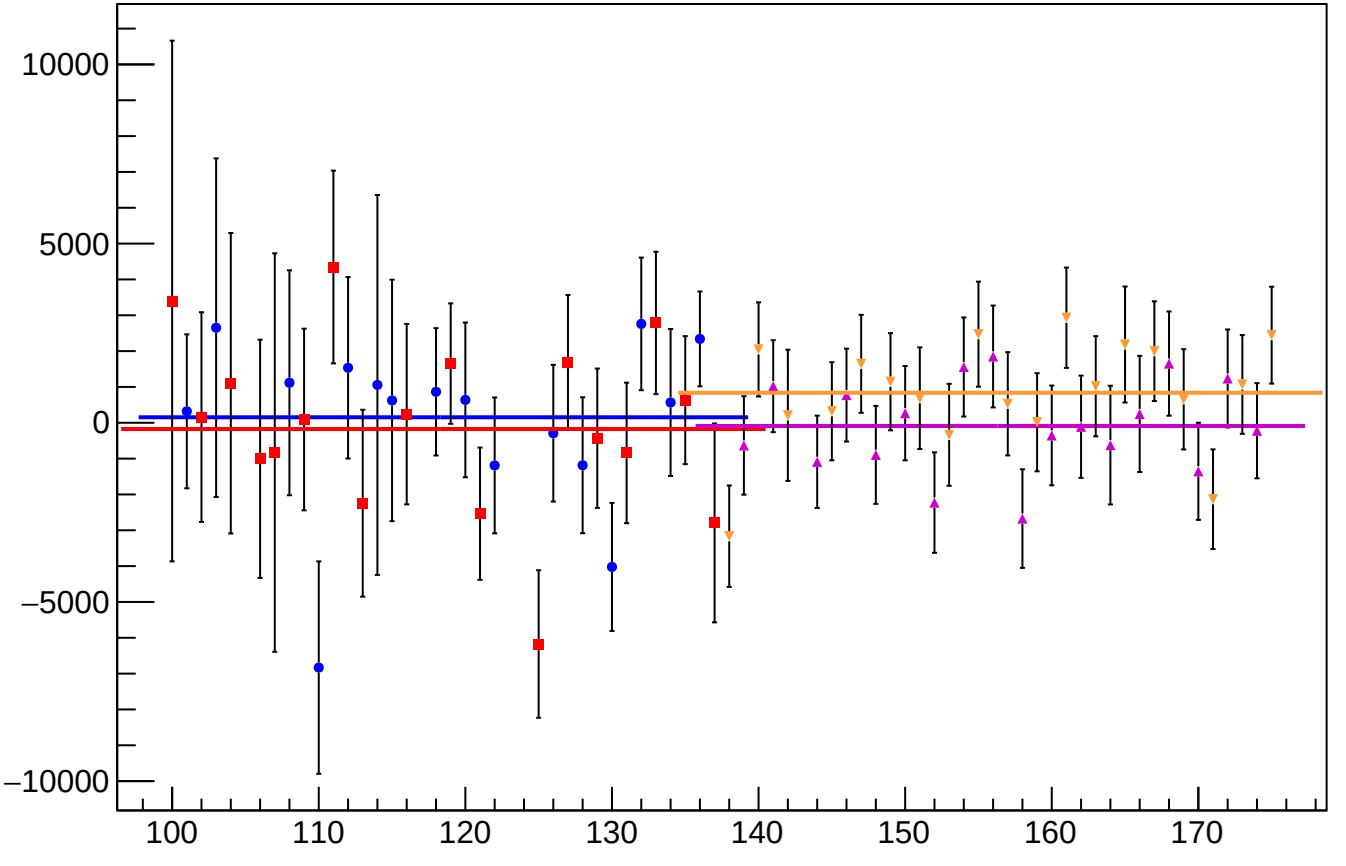
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 546.952+/-0.085 χ^2/NDF:2228047.4/33

Out: 545.383+/-0.085 χ^2/NDF:3027228.9/36

All: 546.169+/-0.060 χ^2/NDF: 5255447.8/70

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 838.108+/-324.711 χ^2/NDF:21.5/18

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -90.033+/-326.585 χ^2/NDF:14.9/17

Left: 376.709+/-230.265 χ^2/NDF: 40.5/36

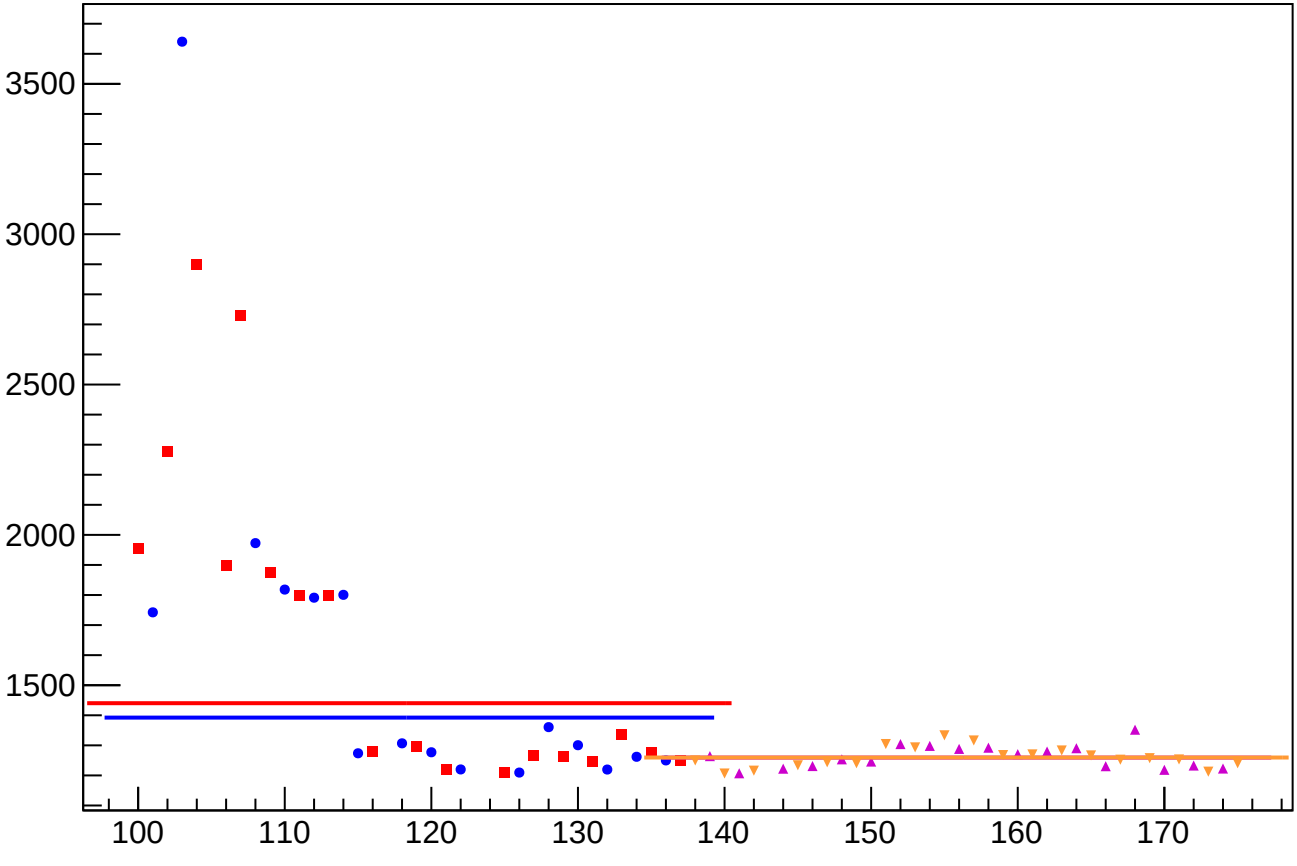
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -23.428+/-278.339 χ^2/NDF:32.9/33

Out: 576.539+/-279.637 χ^2/NDF:43.7/36

All: 275.161+/-197.273 χ^2/NDF: 78.9/70

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1259.539+/-0.230 χ^2/NDF:20814.2/18

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.268+/-0.231 χ^2/NDF:25819.6/17

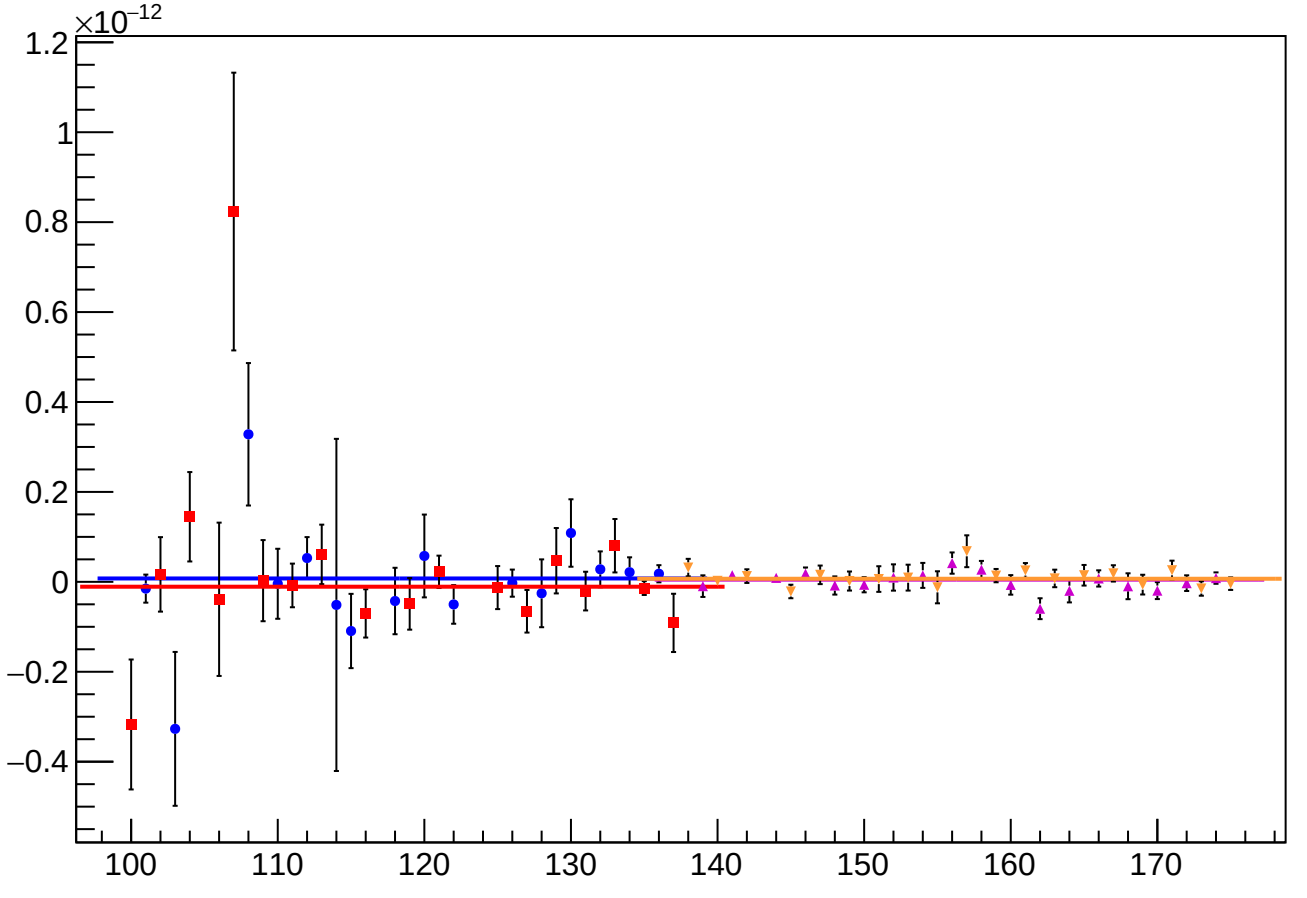
Left: 1259.405+/-0.163 χ^2/NDF: 46634.4/36

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1295.670+/-0.197 χ^2/NDF:895864.7/33

Out: 1306.220+/-0.198 χ^2/NDF:1035689.8/36

All: 1300.920+/-0.139 χ^2/NDF: 1932984.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:18.5/17

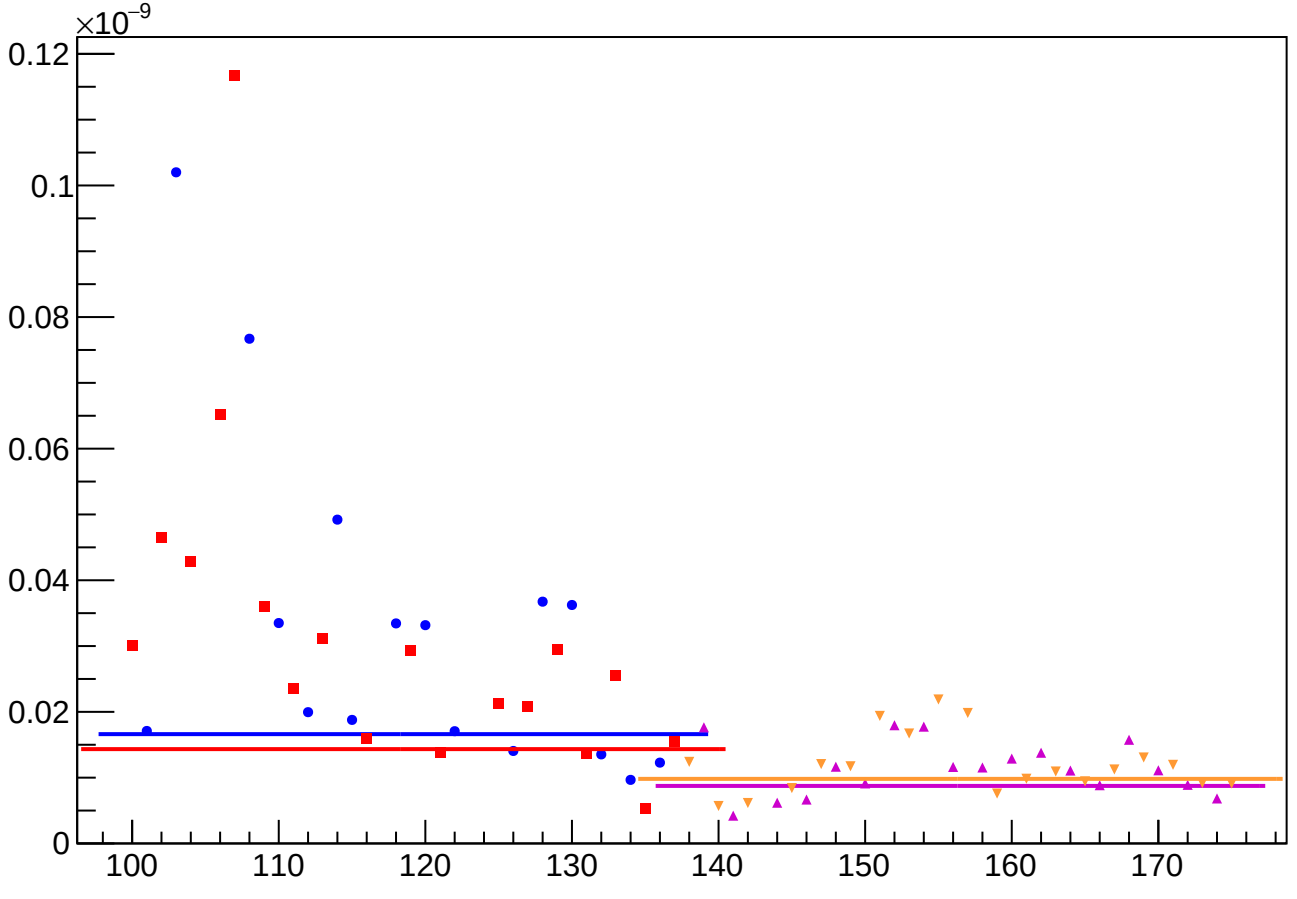
Left: 0.000+/-0.000 χ^2/NDF: 33.2/36

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:35.4/33

Out: 0.000+/-0.000 χ^2/NDF:41.0/36

All: 0.000+/-0.000 χ^2/NDF: 76.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1351905.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1804819.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3224974.8/36

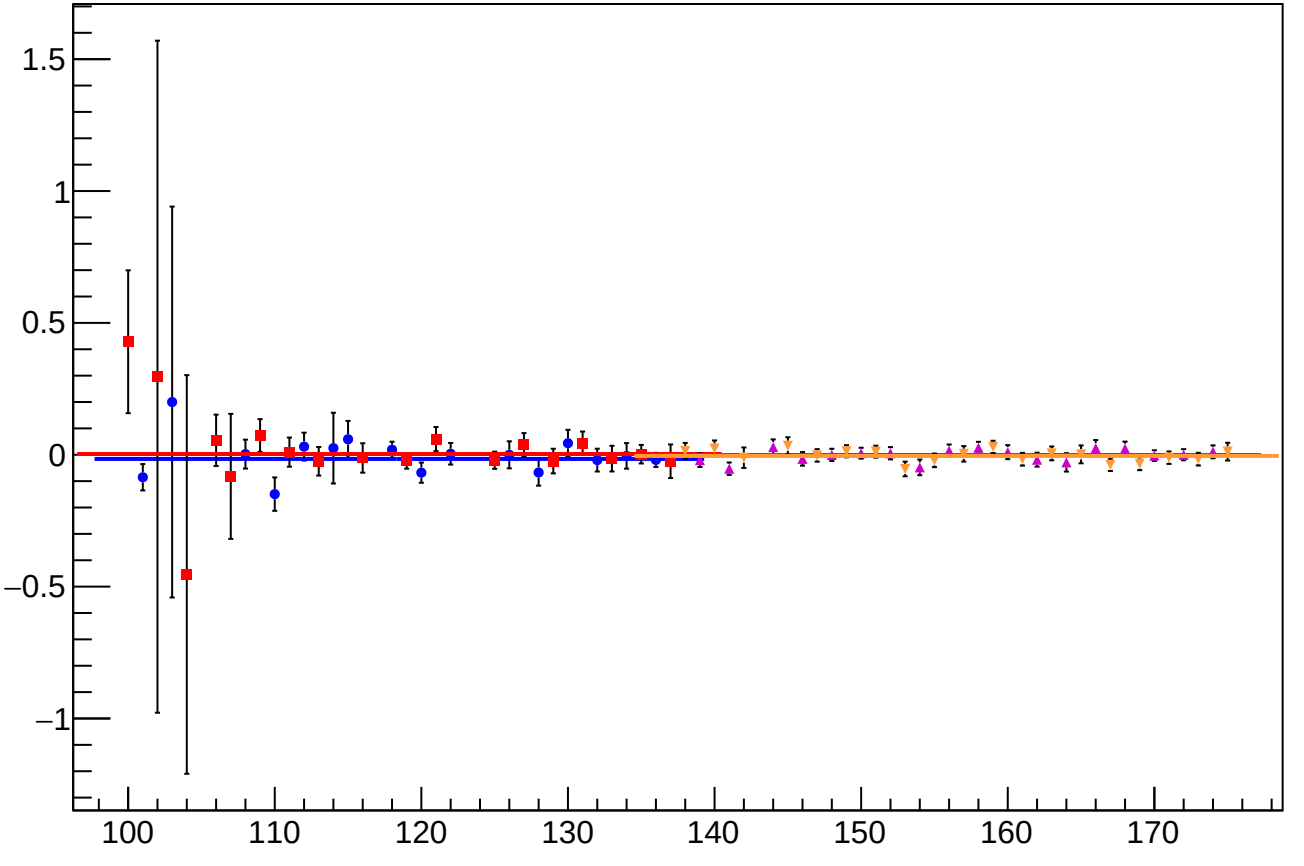
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4300467.6/33

Out: 0.000+/-0.000 χ^2/NDF:3924821.6/36

All: 0.000+/-0.000 χ^2/NDF: 8262177.2/70

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.7/36

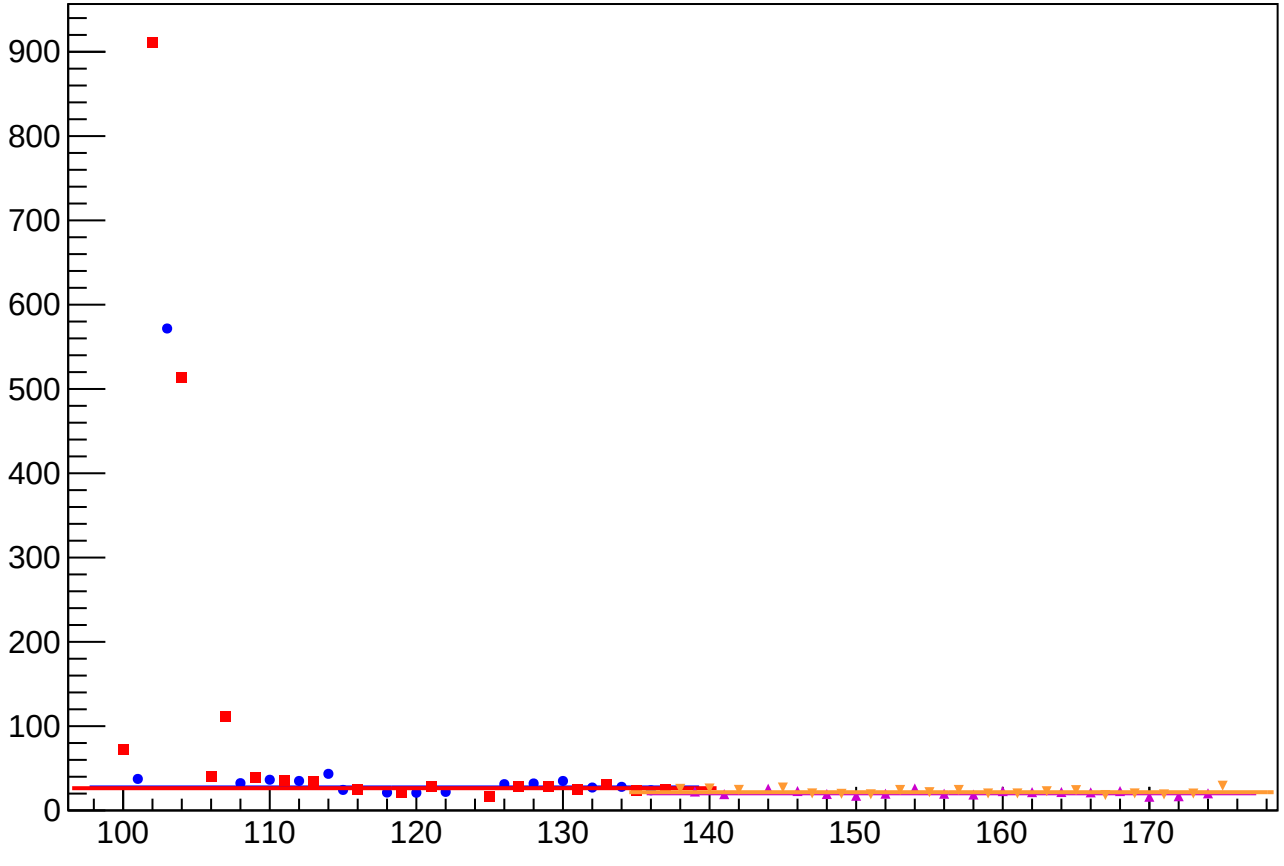
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/70

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.652+/-0.004 χ^2/NDF:437117.6/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

Left: 20.970+/-0.003 χ^2/NDF: 907140.3/36

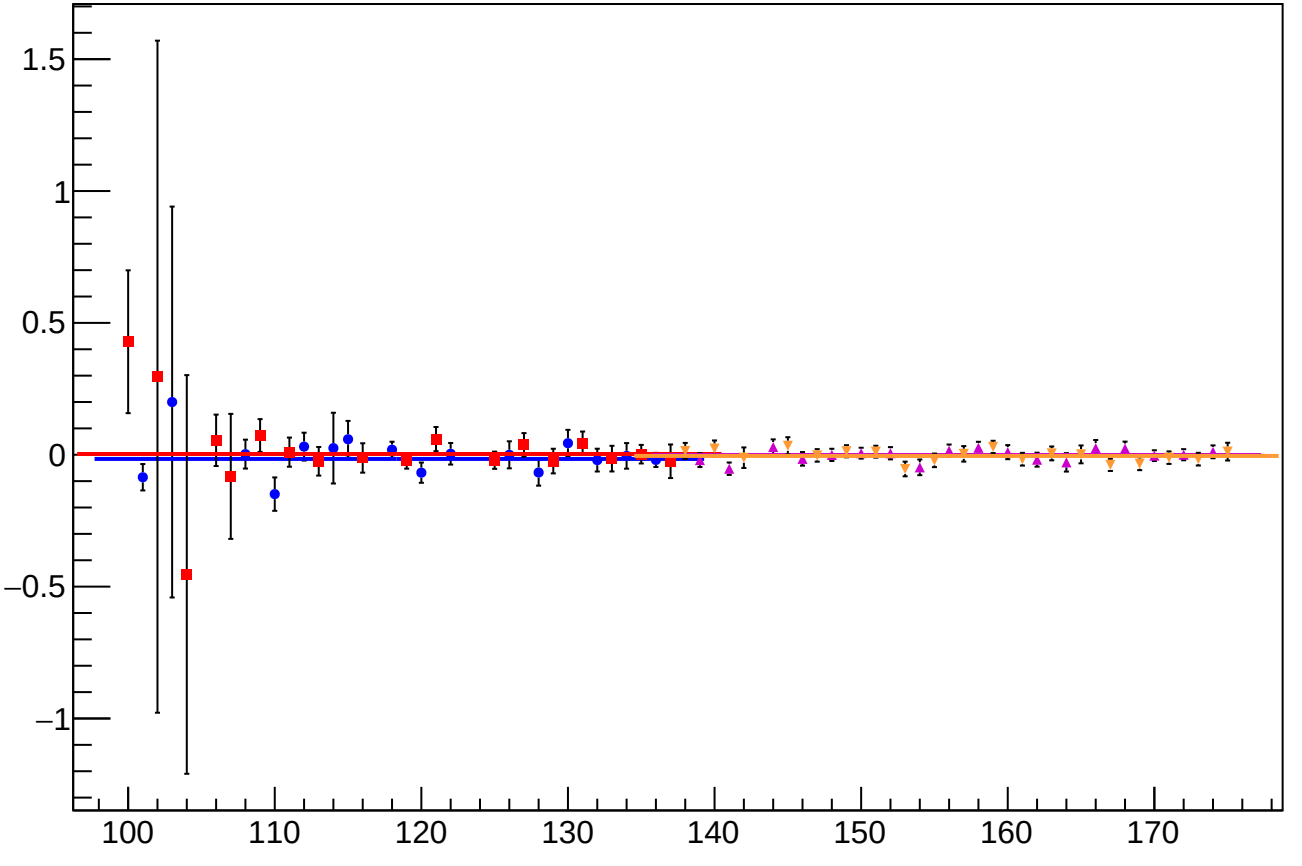
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.756+/-0.004 χ^2/NDF:2568317.9/33

Out: 22.619+/-0.004 χ^2/NDF:3300203.5/36

All: 22.170+/-0.003 χ^2/NDF: 5894883.8/70

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.7/36

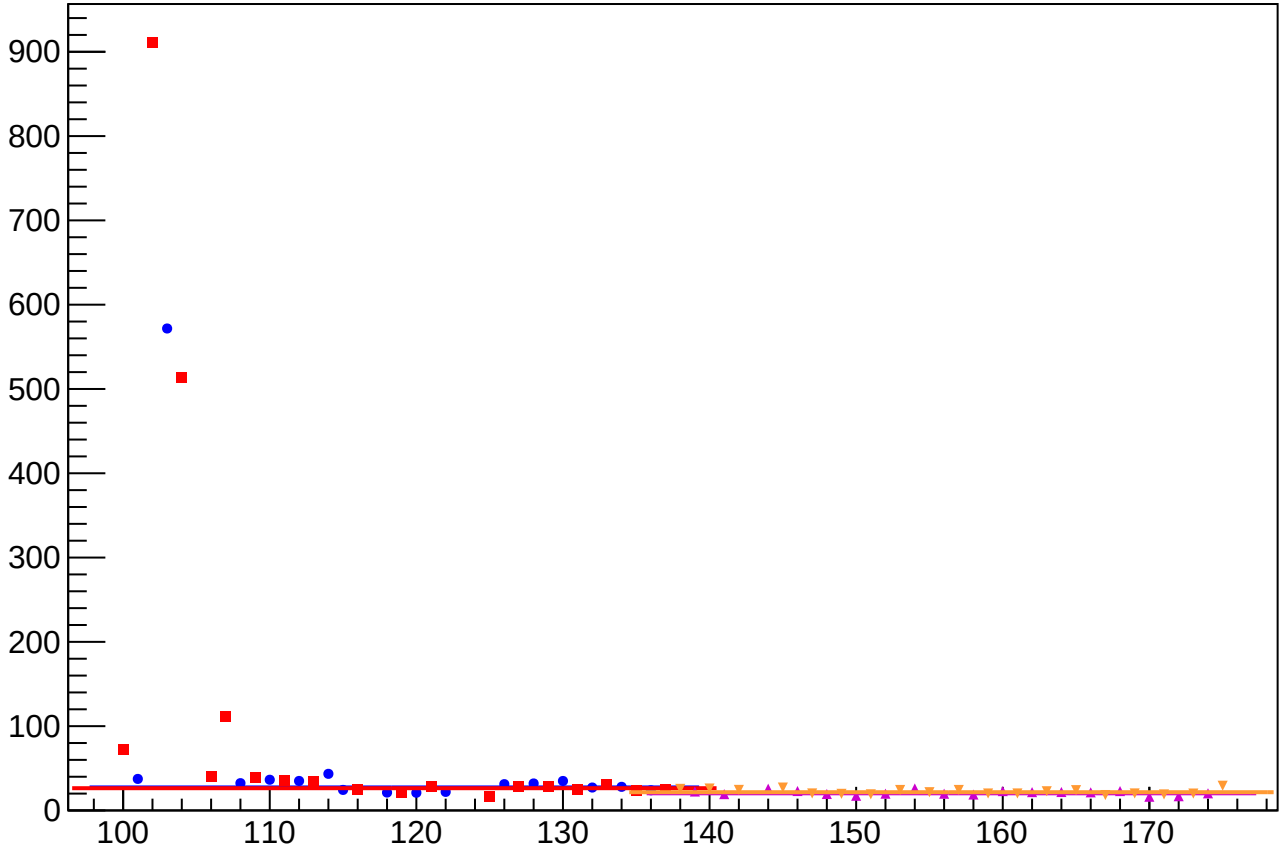
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/70

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.652+/-0.004 χ^2/NDF:437117.6/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

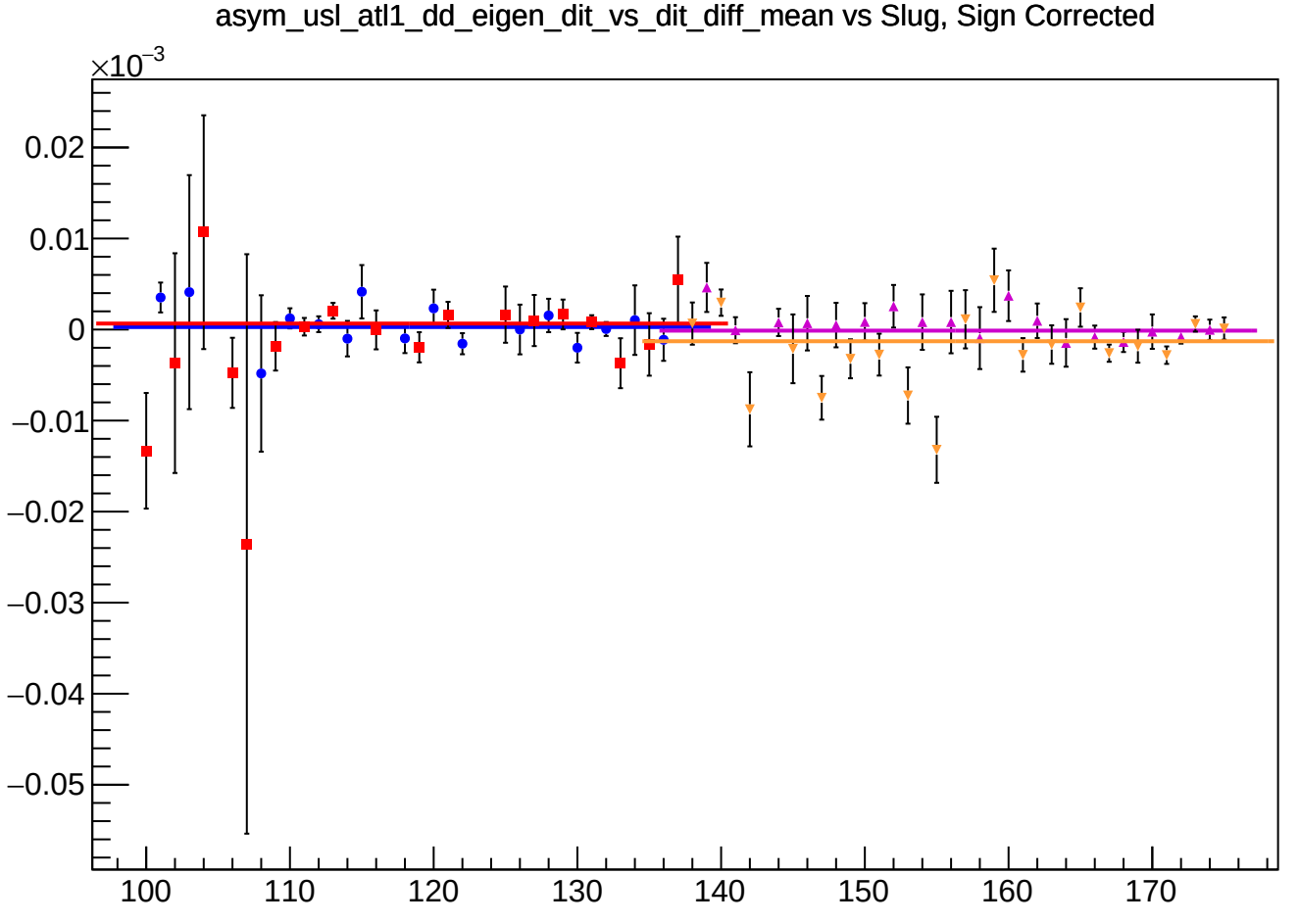
Left: 20.970+/-0.003 χ^2/NDF: 907140.3/36

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.756+/-0.004 χ^2/NDF:2568317.9/33

Out: 22.619+/-0.004 χ^2/NDF:3300203.5/36

All: 22.170+/-0.003 χ^2/NDF: 5894883.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/17

Left: -0.000+/-0.000 χ^2/NDF: 69.3/36

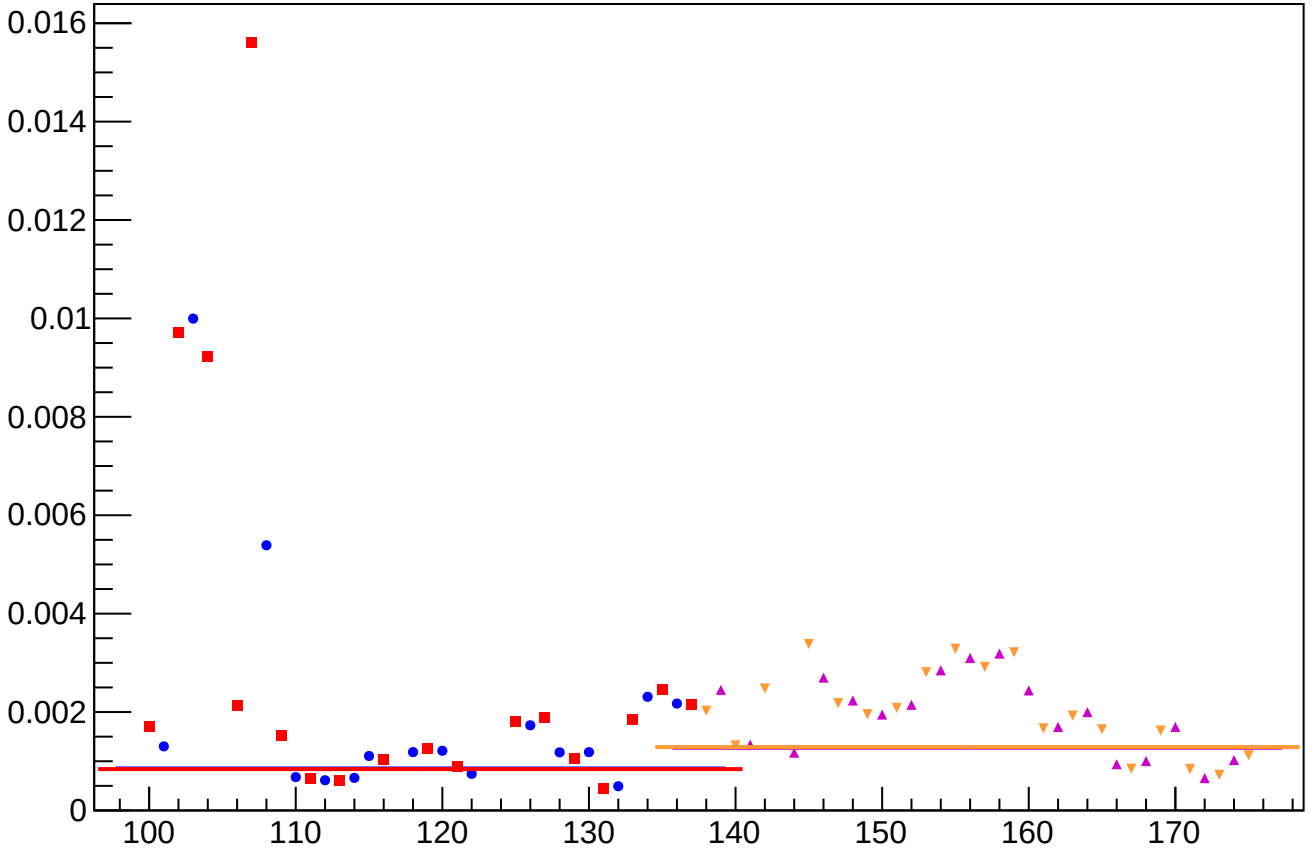
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:25.3/33

Out: -0.000+/-0.000 χ^2/NDF:86.0/36

All: -0.000+/-0.000 χ^2/NDF: 112.7/70

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:6133232.8/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5864082.4/17

Left: 0.001+/-0.000 χ^2/NDF: 11998797.9/36

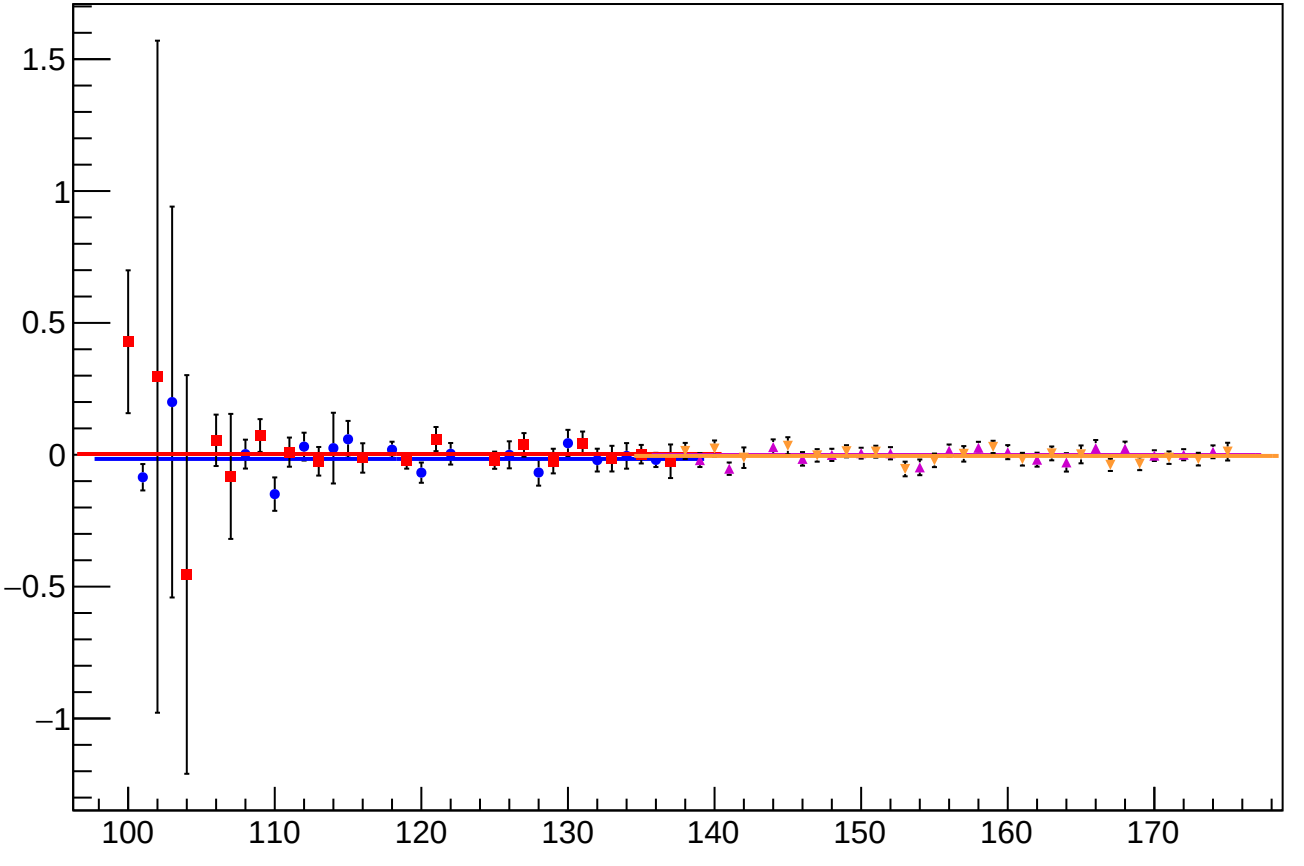
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10966972.0/33

Out: 0.001+/-0.000 χ^2/NDF:12504321.6/36

All: 0.001+/-0.000 χ^2/NDF: 23474575.5/70

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.7/36

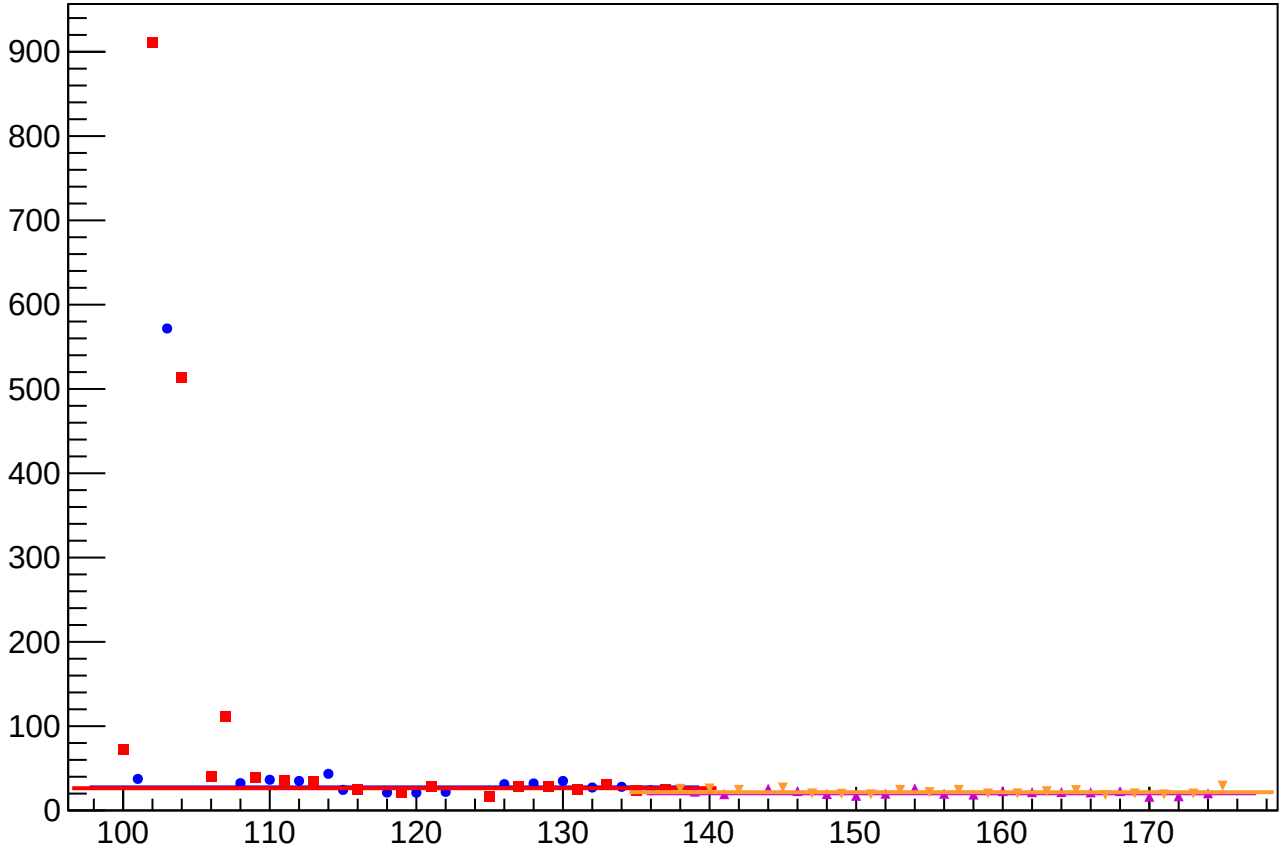
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/70

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.652+/-0.004 χ^2/NDF:437088.7/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

Left: 20.970+/-0.003 χ^2/NDF: 907132.9/36

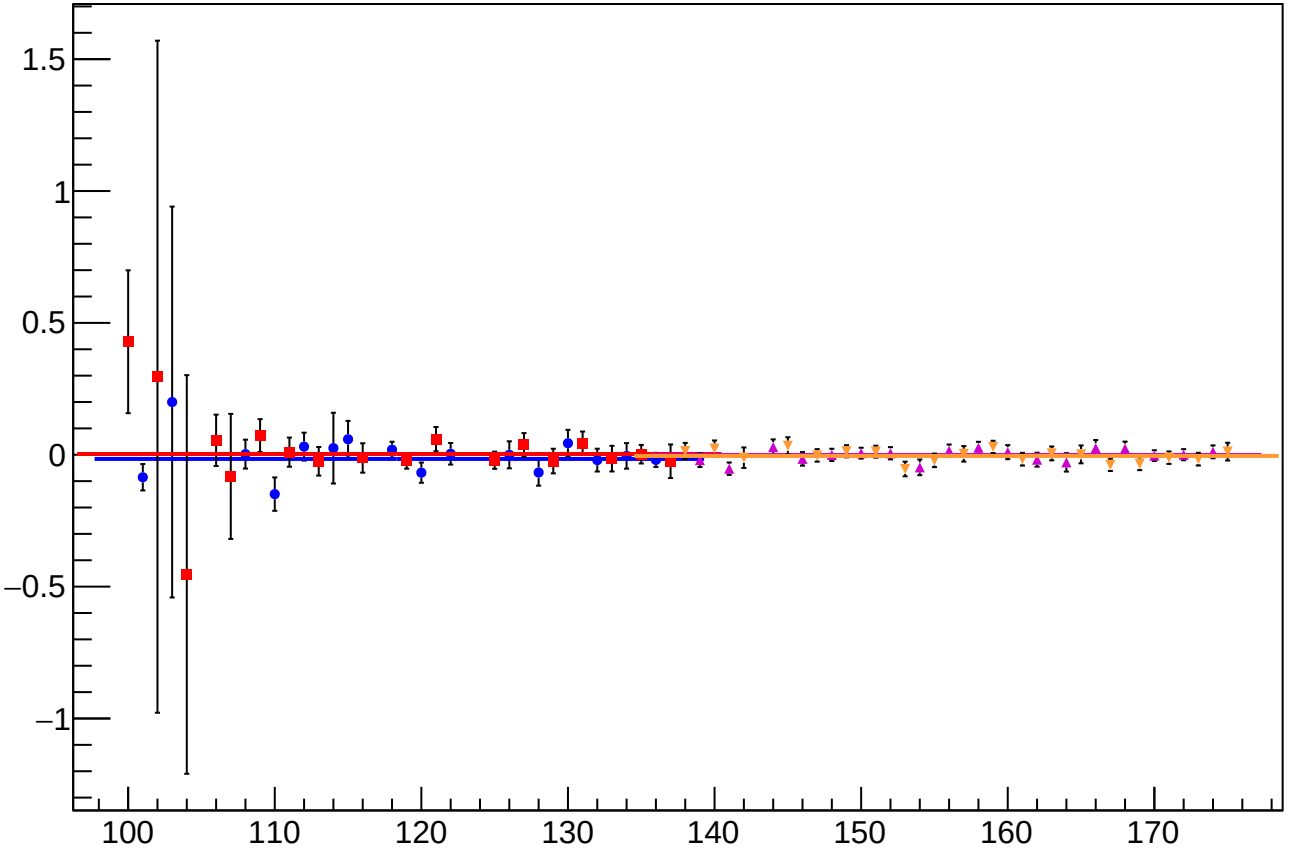
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.756+/-0.004 χ^2/NDF:2568340.5/33

Out: 22.619+/-0.004 χ^2/NDF:3300197.5/36

All: 22.170+/-0.003 χ^2/NDF: 5894899.7/70

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.7/36

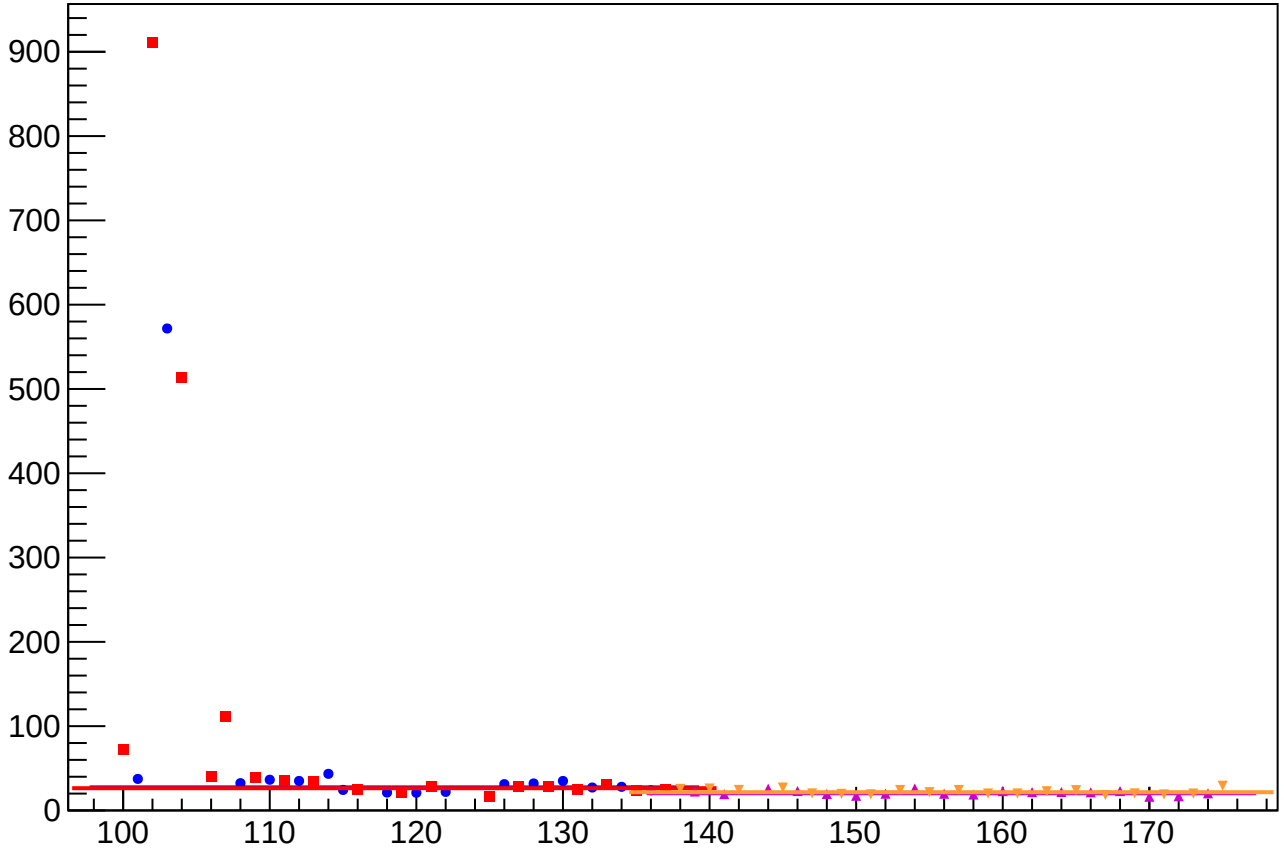
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/70

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.652+/-0.004 χ^2/NDF:437088.7/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

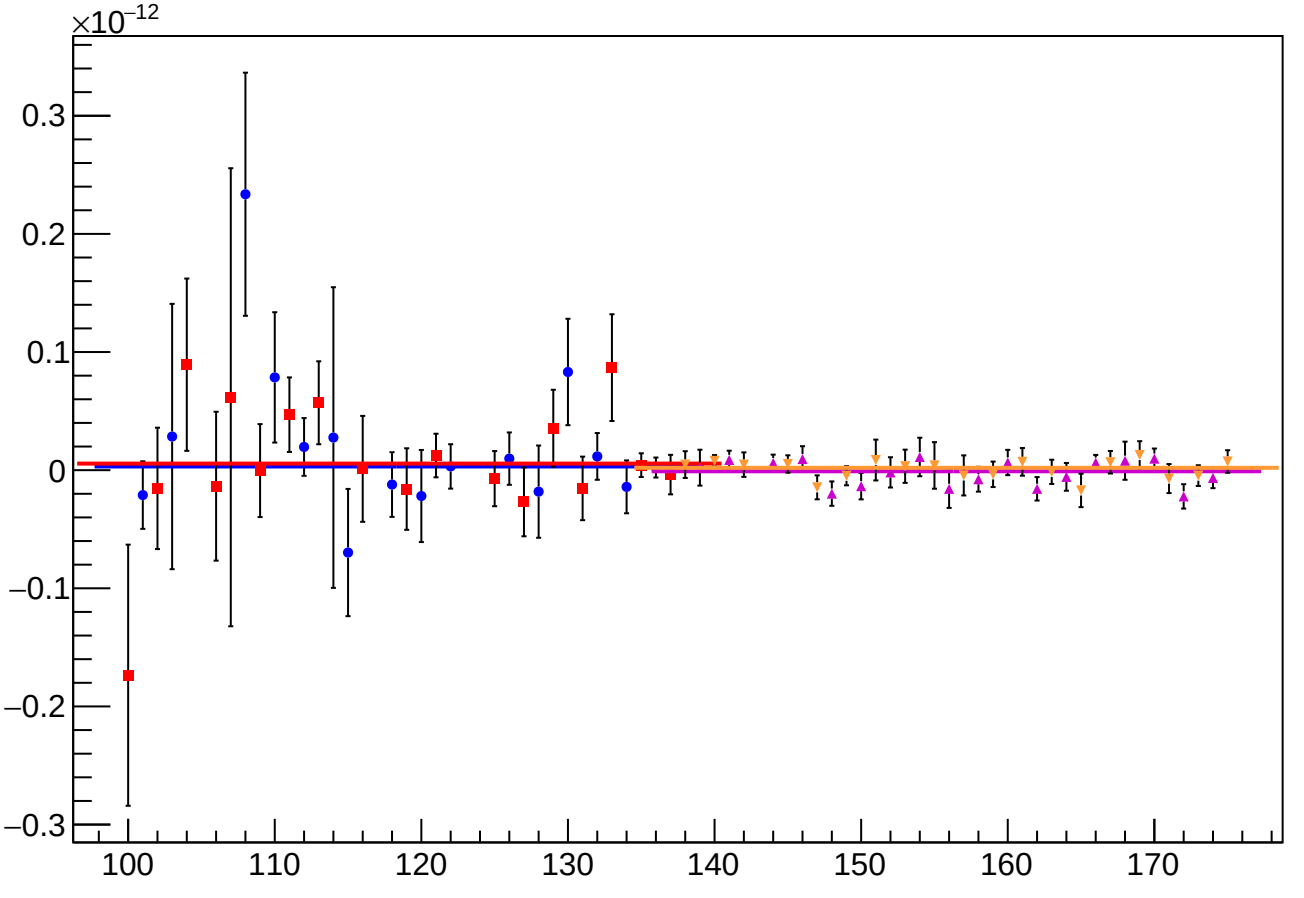
Left: 20.970+/-0.003 χ^2/NDF: 907132.9/36

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.756+/-0.004 χ^2/NDF:2568340.5/33

Out: 22.619+/-0.004 χ^2/NDF:3300197.5/36

All: 22.170+/-0.003 χ^2/NDF: 5894899.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:20.6/17

Left: 0.000+/-0.000 χ^2/NDF: 31.7/36

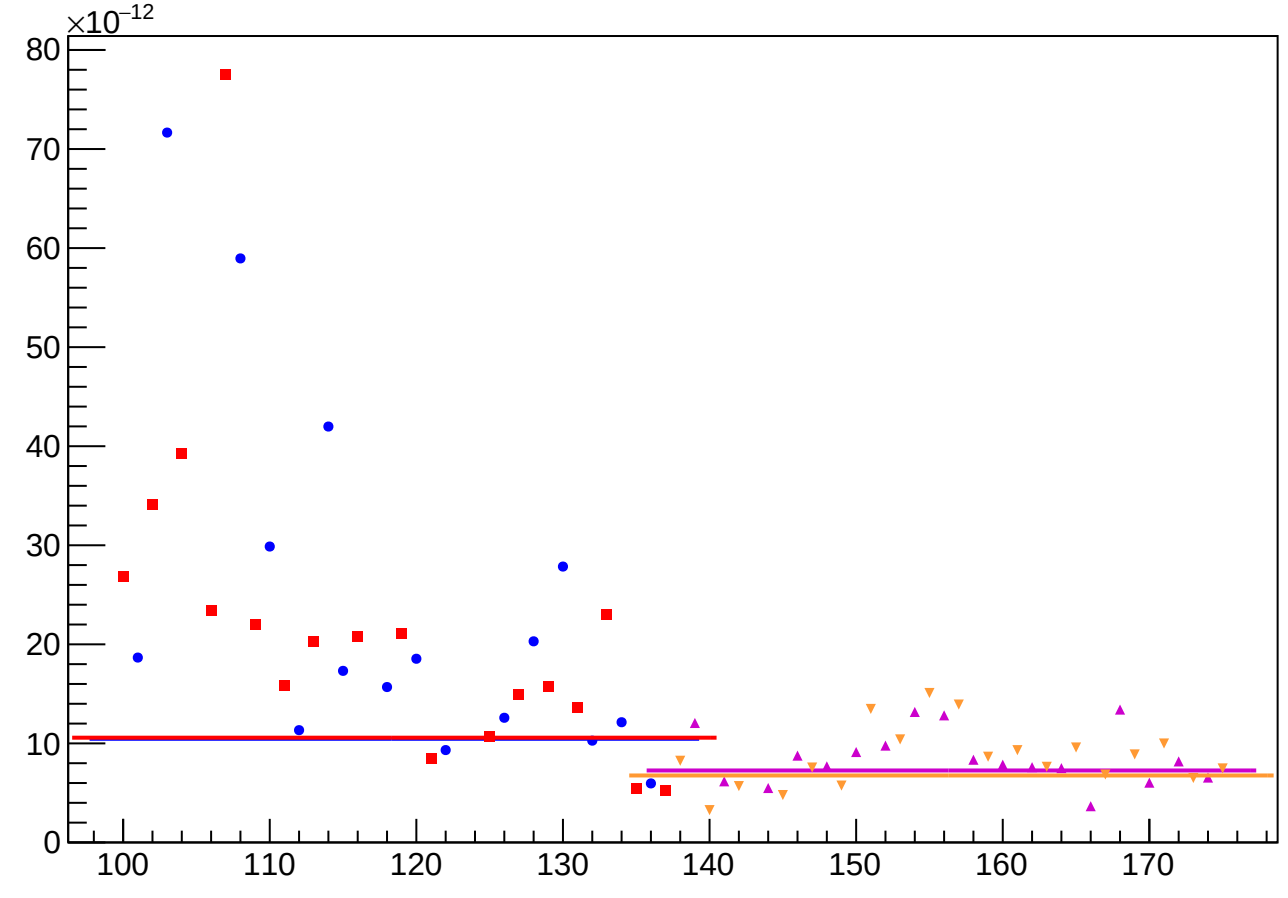
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:36.0/33

Out: 0.000+/-0.000 χ^2/NDF:25.9/36

All: 0.000+/-0.000 χ^2/NDF: 62.8/70

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2873748.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2031113.9/17

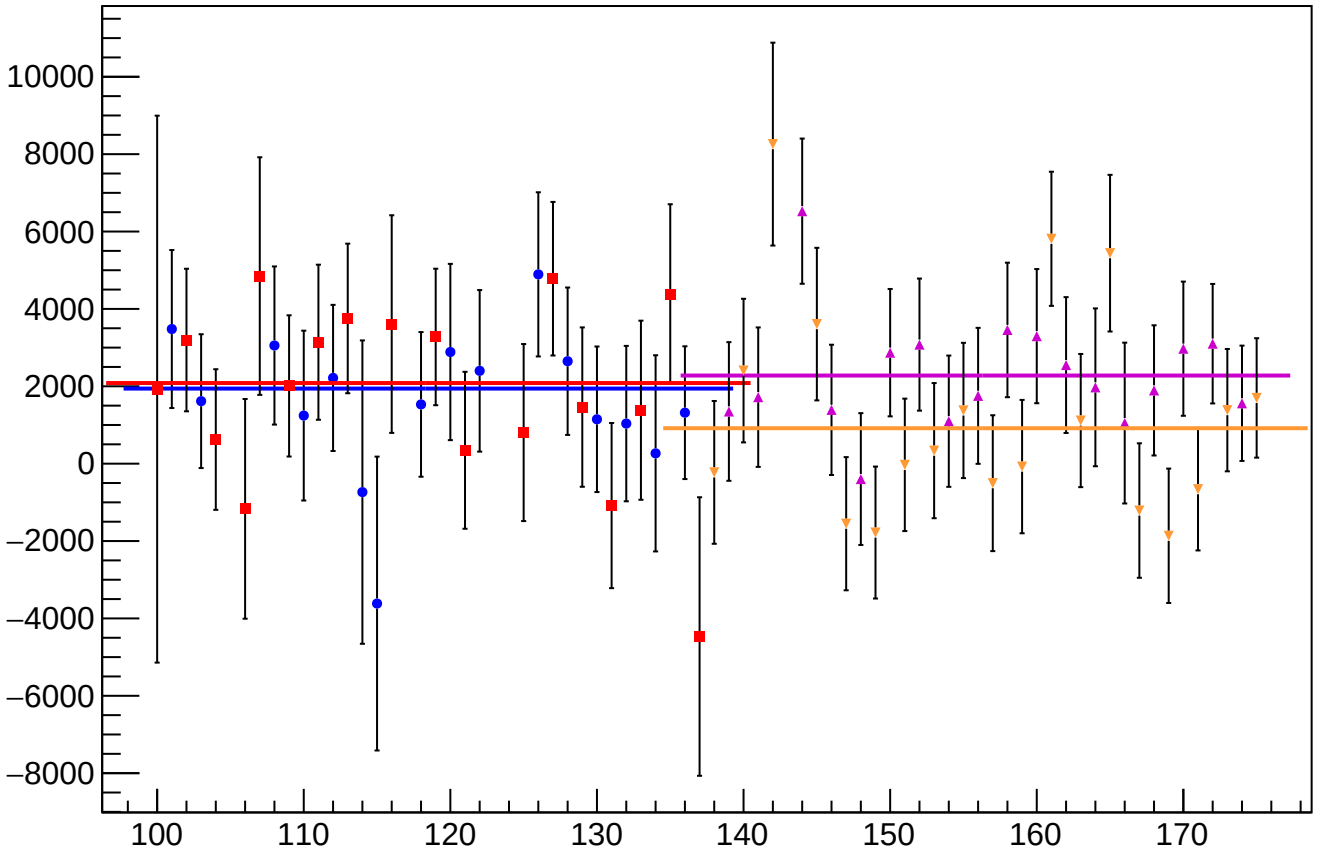
Left: 0.000+/-0.000 χ^2/NDF: 4952551.8/36

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5356520.2/33

Out: 0.000+/-0.000 χ^2/NDF:6335657.3/36

All: 0.000+/-0.000 χ^2/NDF: 11747416.6/70



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.287+/-404.198 χ^2/NDF:35.1/18

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2277.911+/-408.270 χ^2/NDF:11.1/17

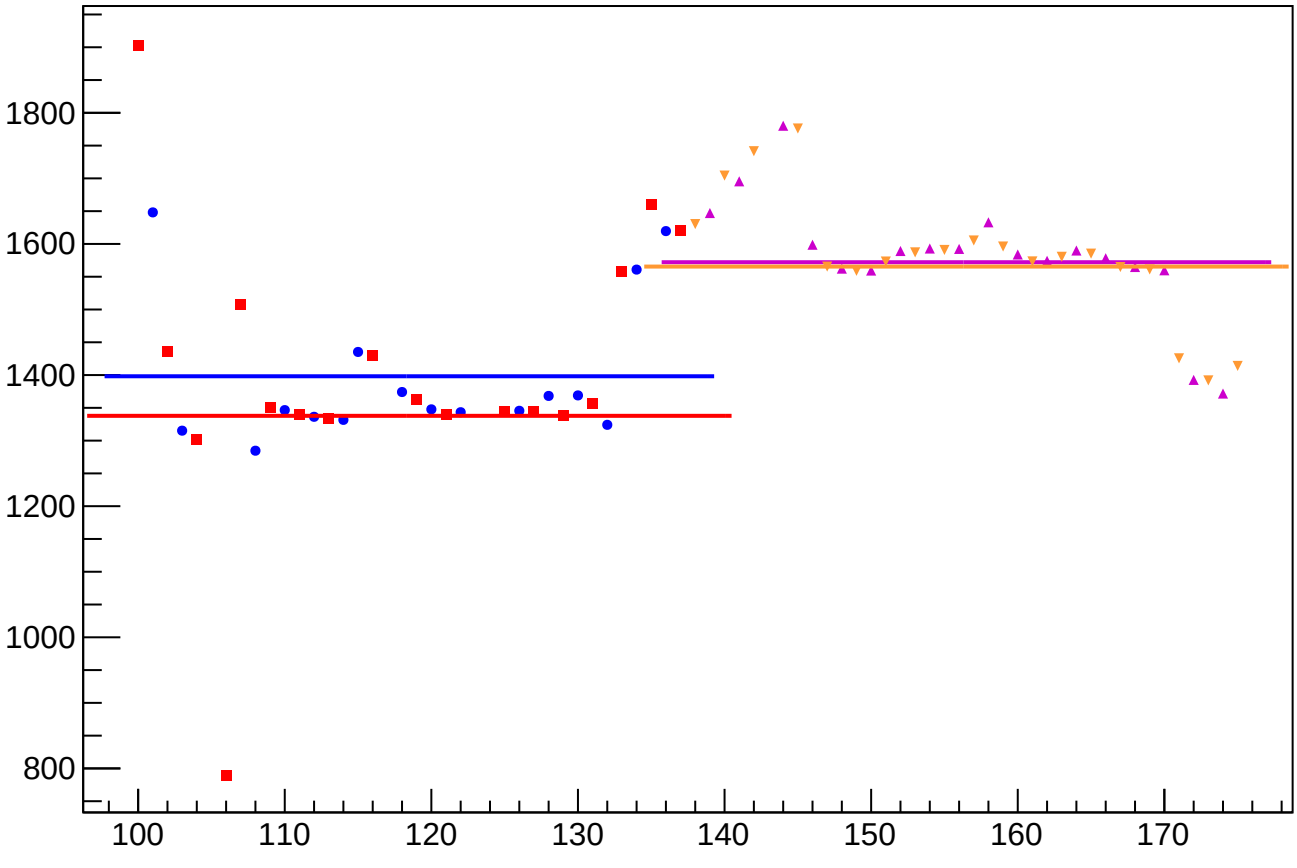
Left: 1590.274+/-287.240 χ^2/NDF: 51.8/36

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2150.081+/-321.631 χ^2/NDF:18.3/33

Out: 1356.511+/-319.031 χ^2/NDF:52.8/36

All: 1750.077+/-226.503 χ^2/NDF: 74.1/70



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

Left: 1568.763+/-0.203 χ^2/NDF: 212567.8/36

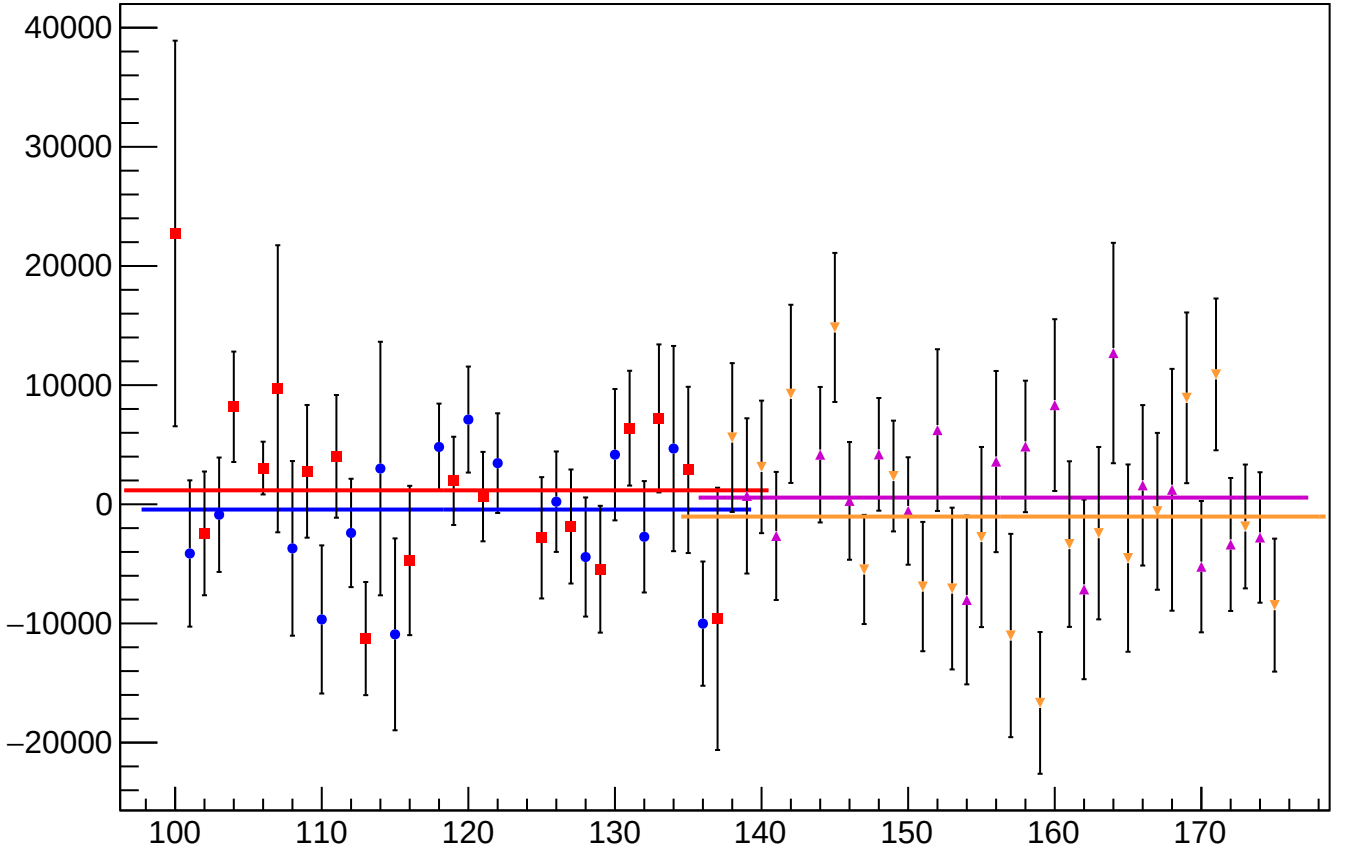
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1506.118+/-0.227 χ^2/NDF:336637.8/33

Out: 1476.223+/-0.223 χ^2/NDF:673846.6/36

All: 1490.867+/-0.159 χ^2/NDF: 1019299.2/70

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1031.908+/-1410.250 χ^2/NDF:29.4/18

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 561.936+/-1422.136 χ^2/NDF:10.3/17

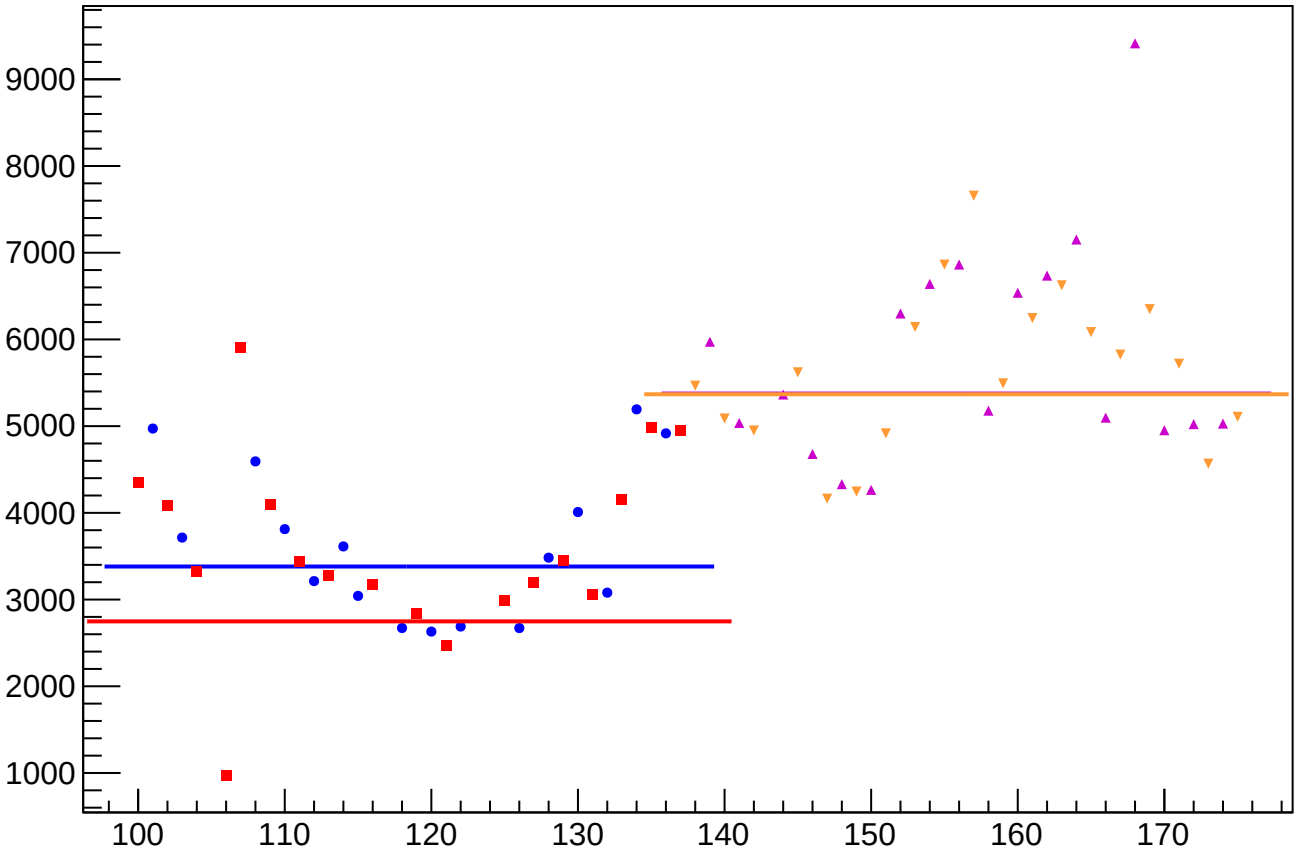
Left: -241.674+/-1001.373 χ^2/NDF: 40.3/36

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 13.919+/-957.872 χ^2/NDF:26.5/33

Out: 319.403+/-877.002 χ^2/NDF:50.5/36

All: 180.099+/-646.838 χ^2/NDF: 77.1/70



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5367.608+/-0.997 χ^2/NDF:746686.8/18

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5376.009+/-1.006 χ^2/NDF:1002385.1/17

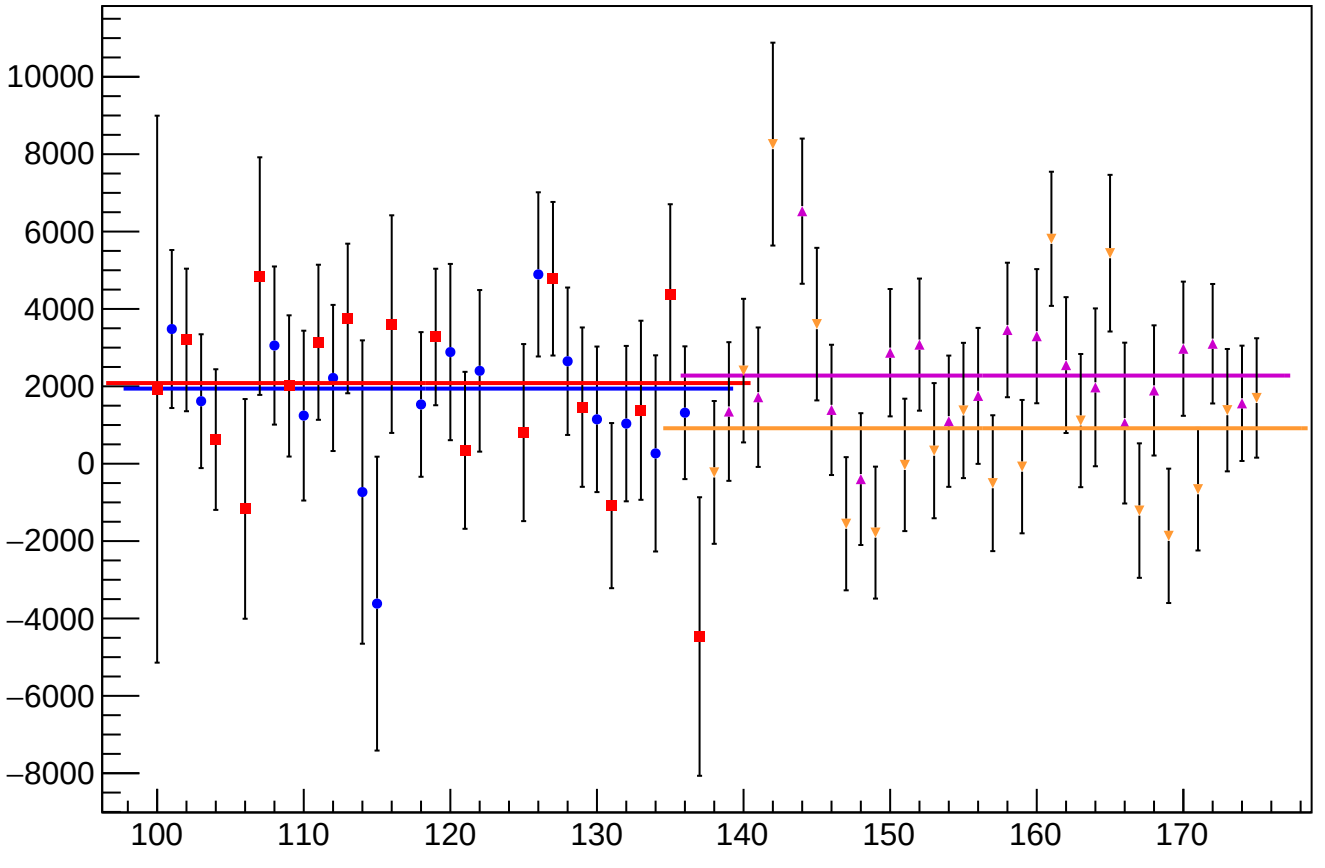
Left: 5371.773+/-0.708 χ^2/NDF: 1749107.1/36

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4286.124+/-0.677 χ^2/NDF:3909576.9/33

Out: 3761.312+/-0.620 χ^2/NDF:7242199.4/36

All: 4000.632+/-0.457 χ^2/NDF: 11478373.9/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2277.966+/-408.270 χ^2/NDF:11.1/17

Left: 1590.317+/-287.240 χ^2/NDF: 51.8/36

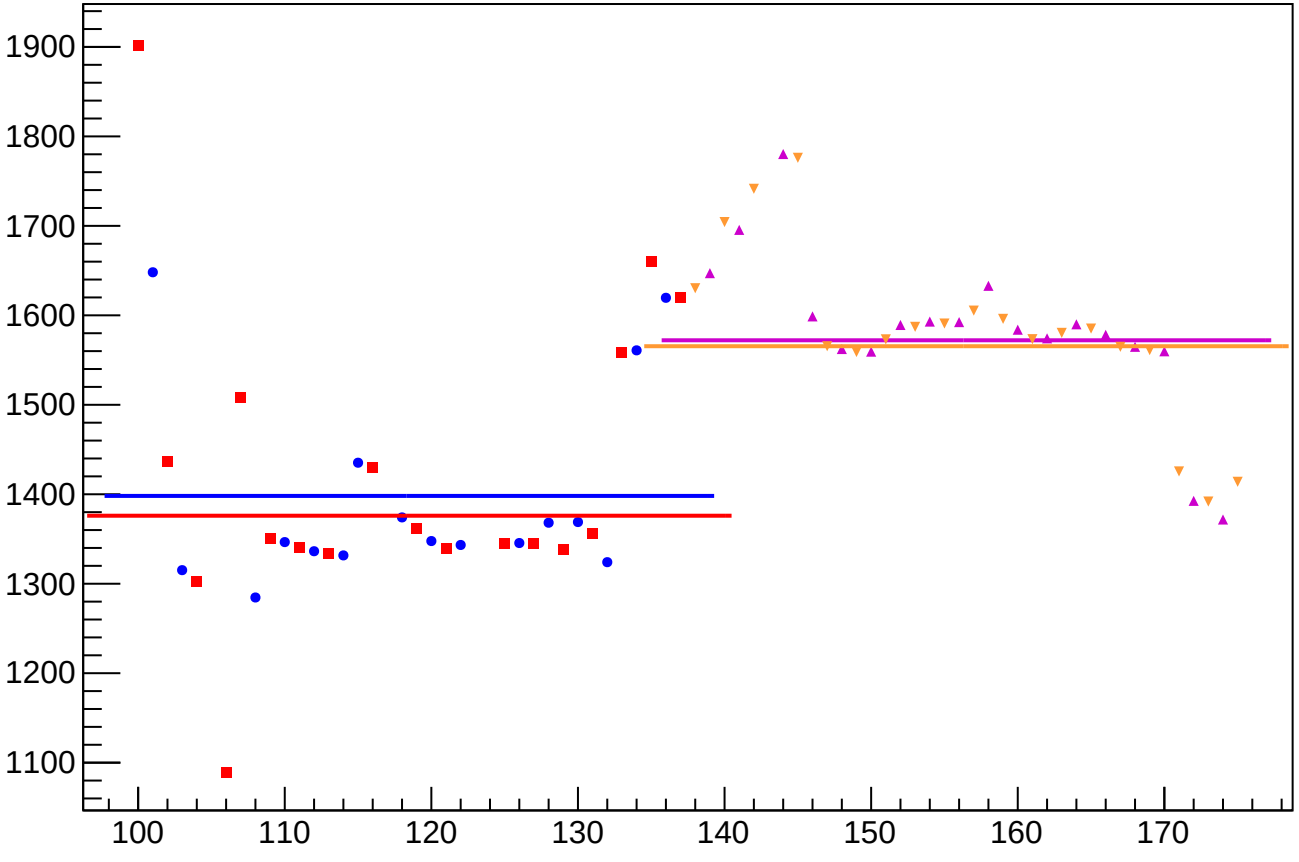
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2150.137+/-321.631 χ^2/NDF:18.3/33

Out: 1356.608+/-319.032 χ^2/NDF:52.8/36

All: 1750.154+/-226.503 χ^2/NDF: 74.1/70

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

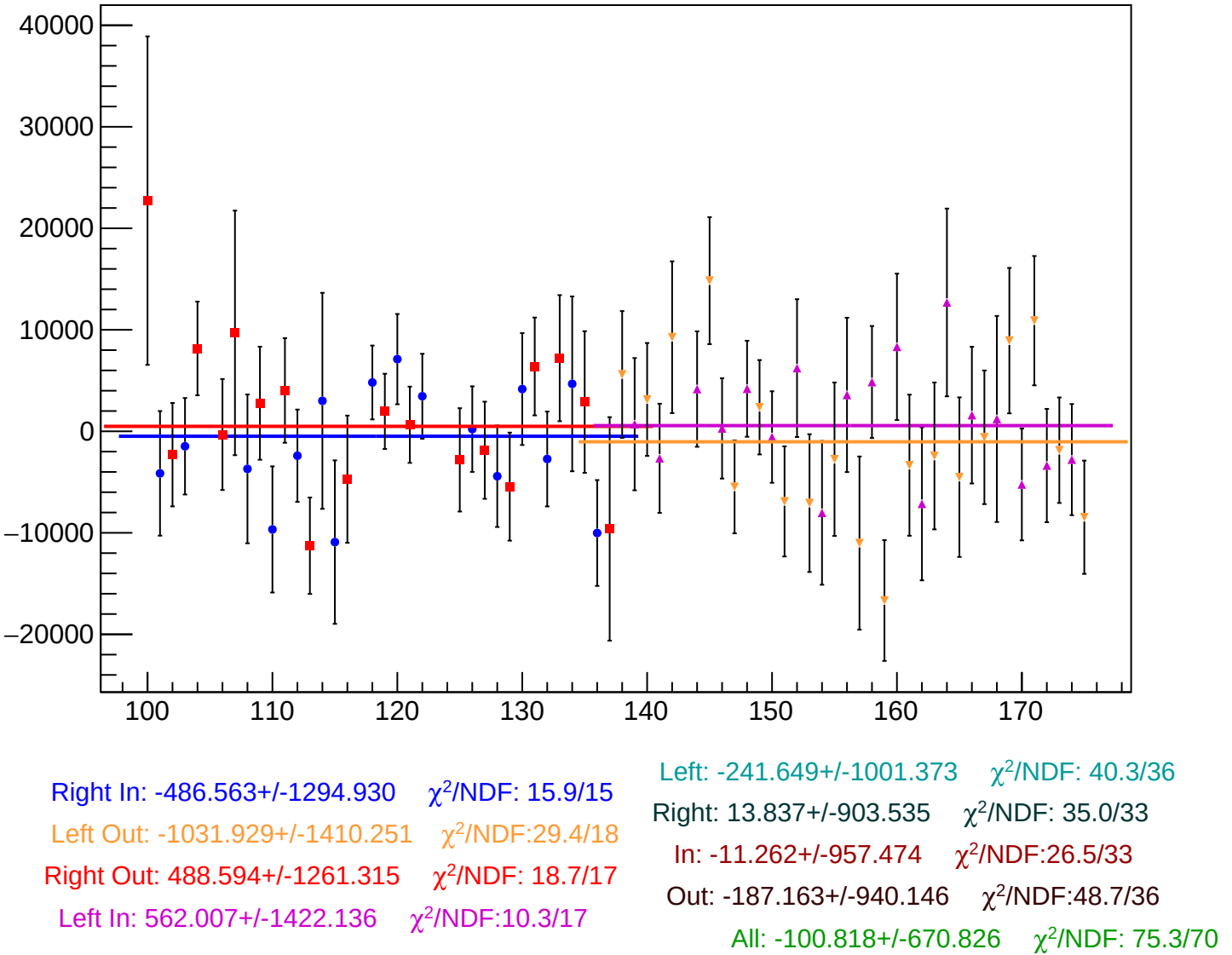
Left: 1568.763+/-0.203 χ^2/NDF: 212567.8/36

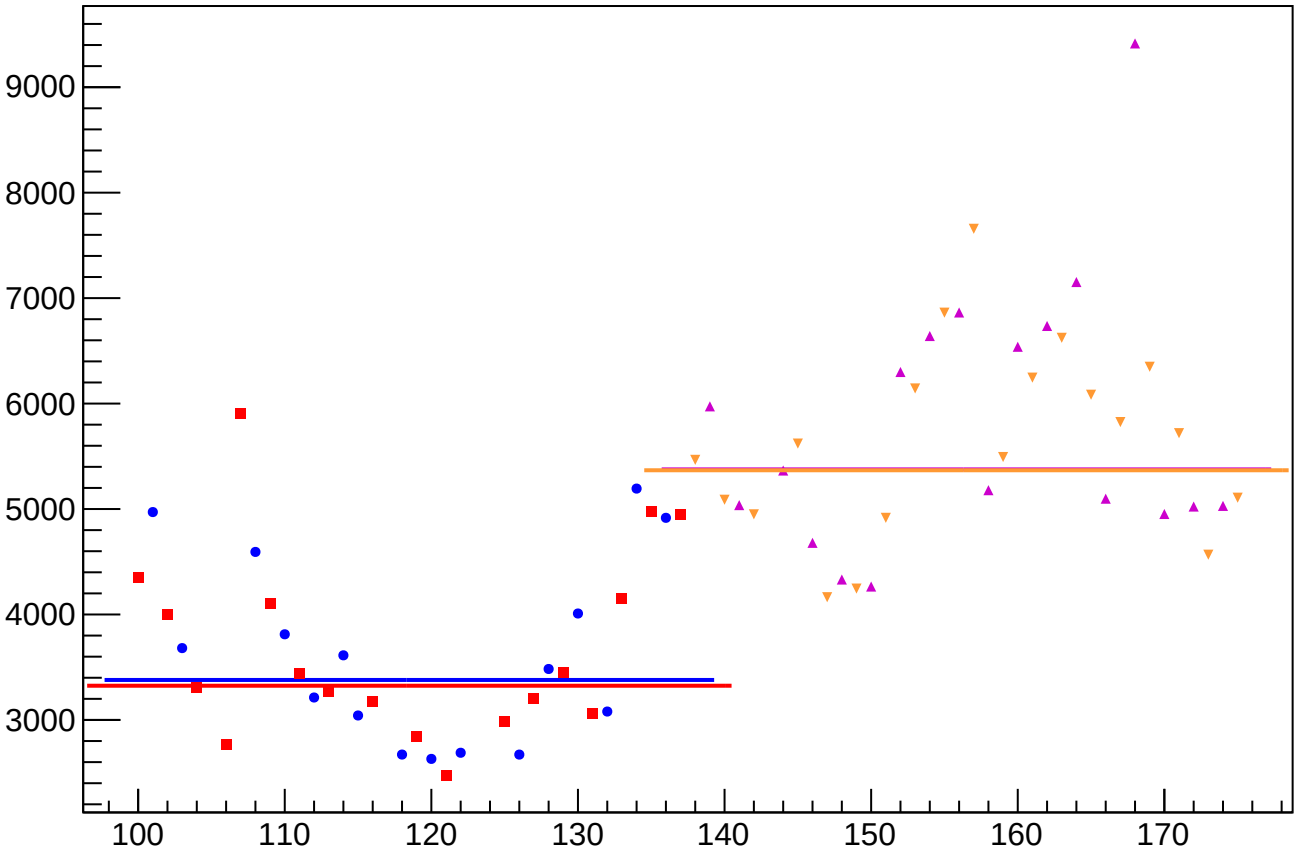
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1506.118+/-0.227 χ^2/NDF:336638.0/33

Out: 1492.857+/-0.224 χ^2/NDF:389798.5/36

All: 1499.400+/-0.160 χ^2/NDF: 728158.9/70


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -486.563+/-1294.930 χ²/NDF: 15.9/15
Left Out: -1031.929+/-1410.251 χ²/NDF:29.4/18
Right Out: 488.594+/-1261.315 χ²/NDF: 18.7/17
Left In: 562.007+/-1422.136 χ²/NDF:10.3/17
Left: -241.649+/-1001.373 χ²/NDF: 40.3/36
Right: 13.837+/-903.535 χ²/NDF: 35.0/33
In: -11.262+/-957.474 χ²/NDF:26.5/33
Out: -187.163+/-940.146 χ²/NDF:48.7/36
All: -100.818+/-670.826 χ²/NDF: 75.3/70



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

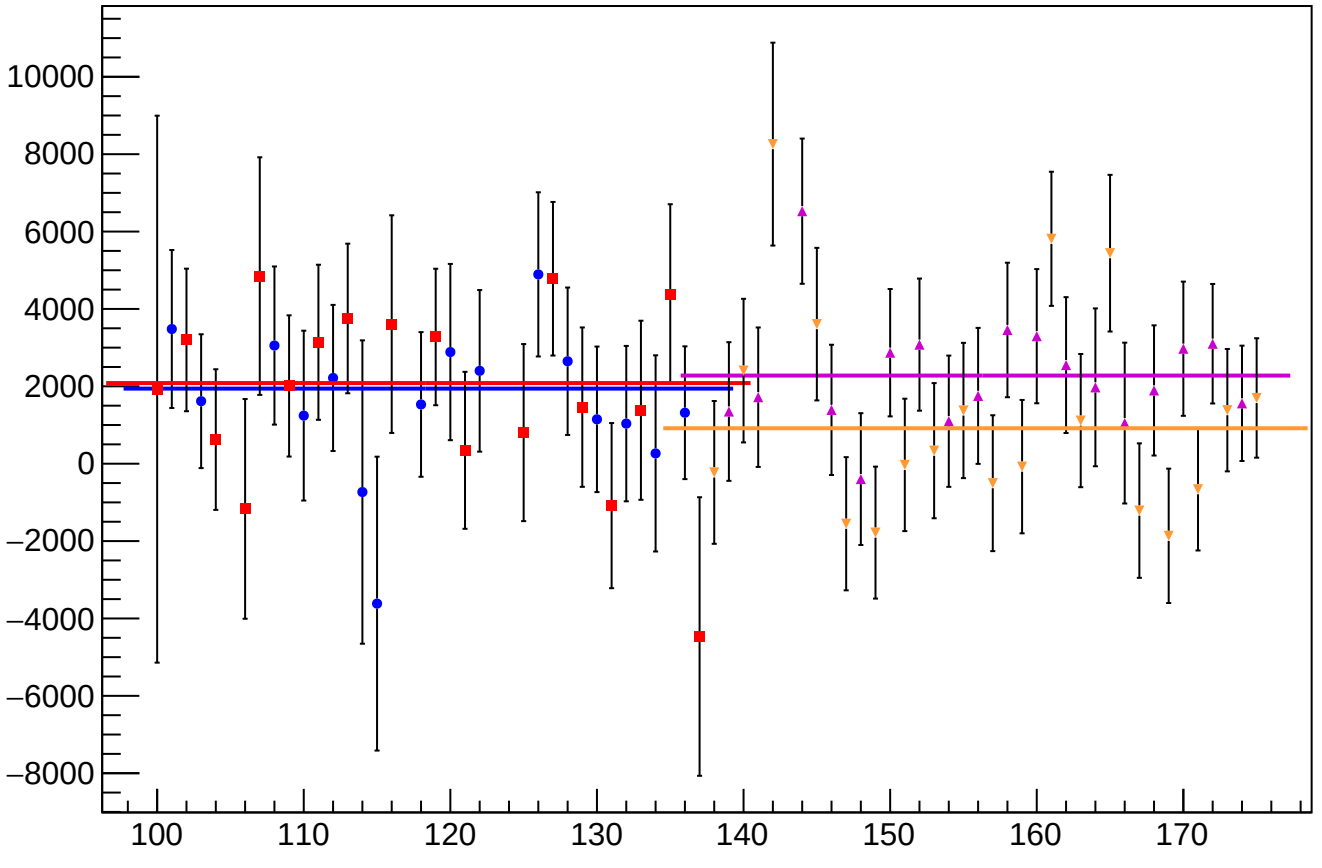
Left: 5371.773+/-0.708 χ^2/NDF: 1749110.6/36

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4284.273+/-0.677 χ^2/NDF:3913587.8/33

Out: 4232.480+/-0.665 χ^2/NDF:3622803.4/36

All: 4257.904+/-0.474 χ^2/NDF: 7539370.8/70



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2277.966+/-408.270 χ^2/NDF:11.1/17

Left: 1590.317+/-287.240 χ^2/NDF: 51.8/36

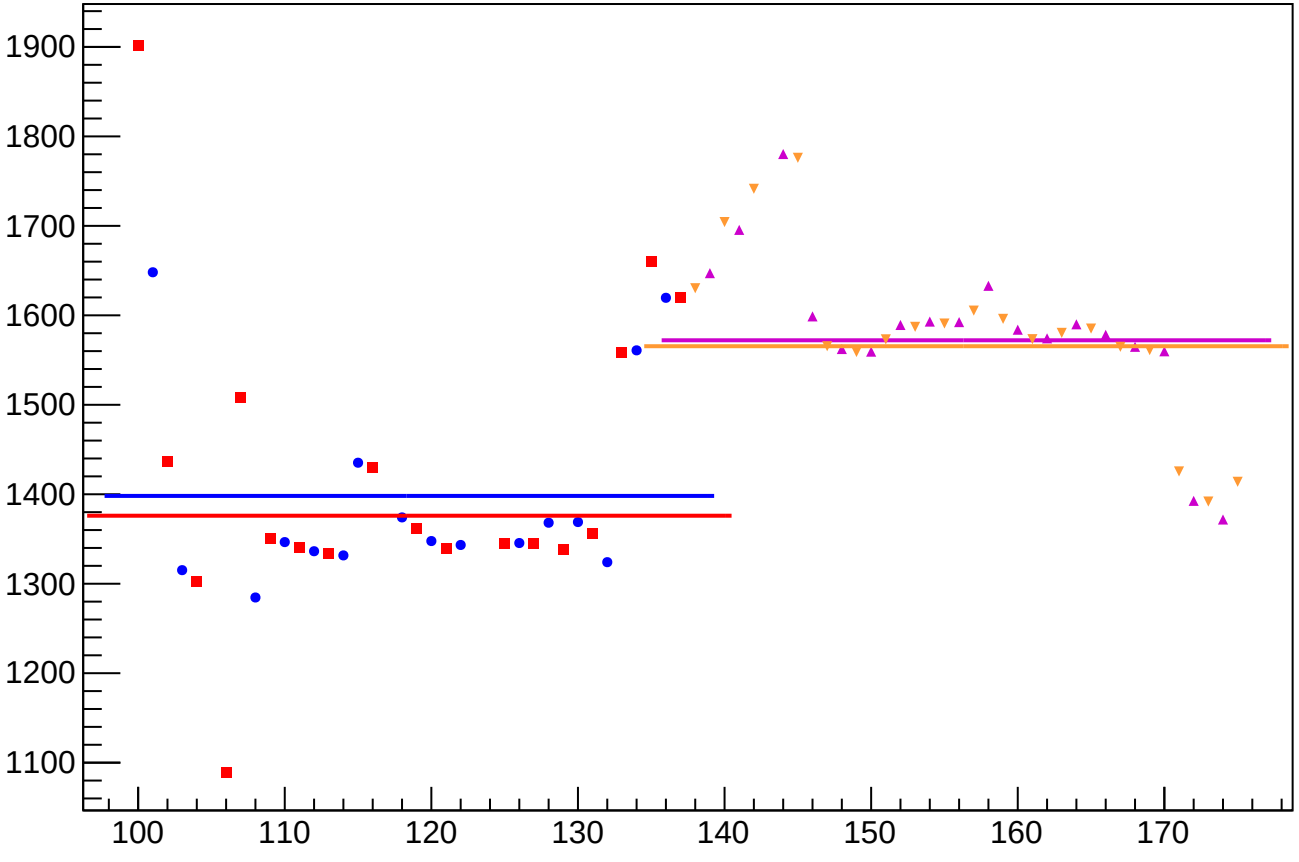
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2150.137+/-321.631 χ^2/NDF:18.3/33

Out: 1356.608+/-319.032 χ^2/NDF:52.8/36

All: 1750.154+/-226.503 χ^2/NDF: 74.1/70

eigen_cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

Left: 1568.763+/-0.203 χ^2/NDF: 212567.8/36

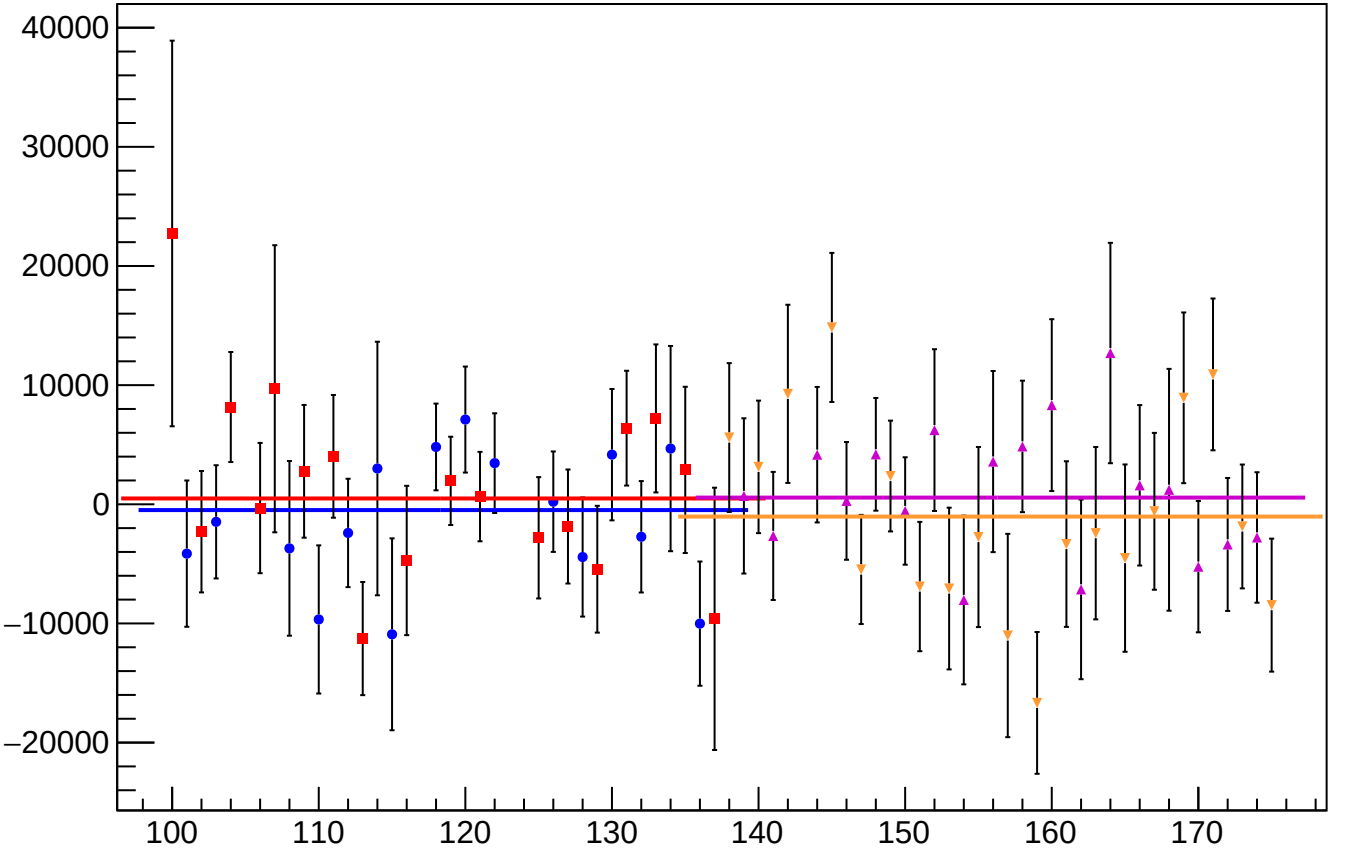
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1506.118+/-0.227 χ^2/NDF:336638.0/33

Out: 1492.857+/-0.224 χ^2/NDF:389798.5/36

All: 1499.400+/-0.160 χ^2/NDF: 728158.9/70

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1031.929+/-1410.251 χ^2/NDF:29.4/18

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 562.007+/-1422.136 χ^2/NDF:10.3/17

Left: -241.649+/-1001.373 χ^2/NDF: 40.3/36

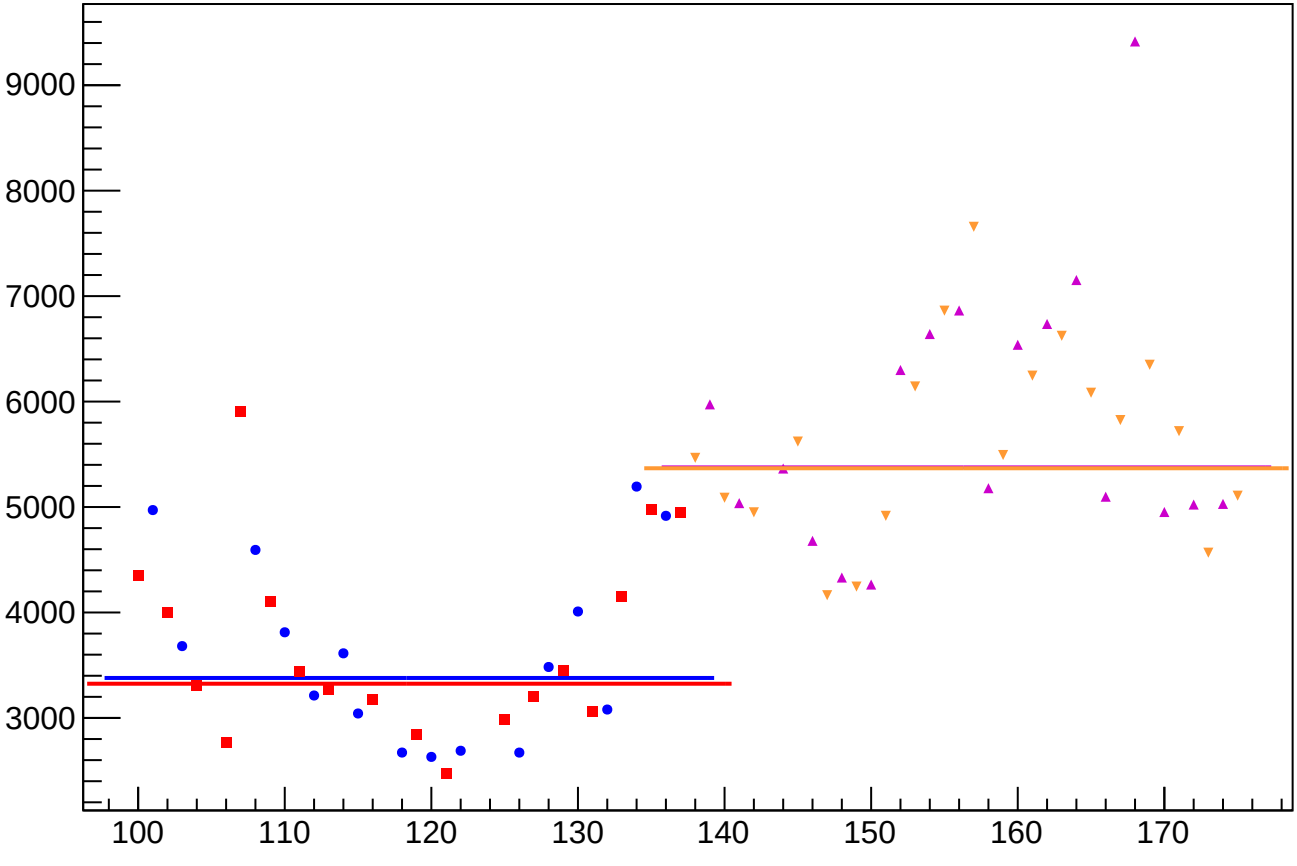
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -11.262+/-957.474 χ^2/NDF:26.5/33

Out: -187.163+/-940.146 χ^2/NDF:48.7/36

All: -100.818+/-670.826 χ^2/NDF: 75.3/70

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

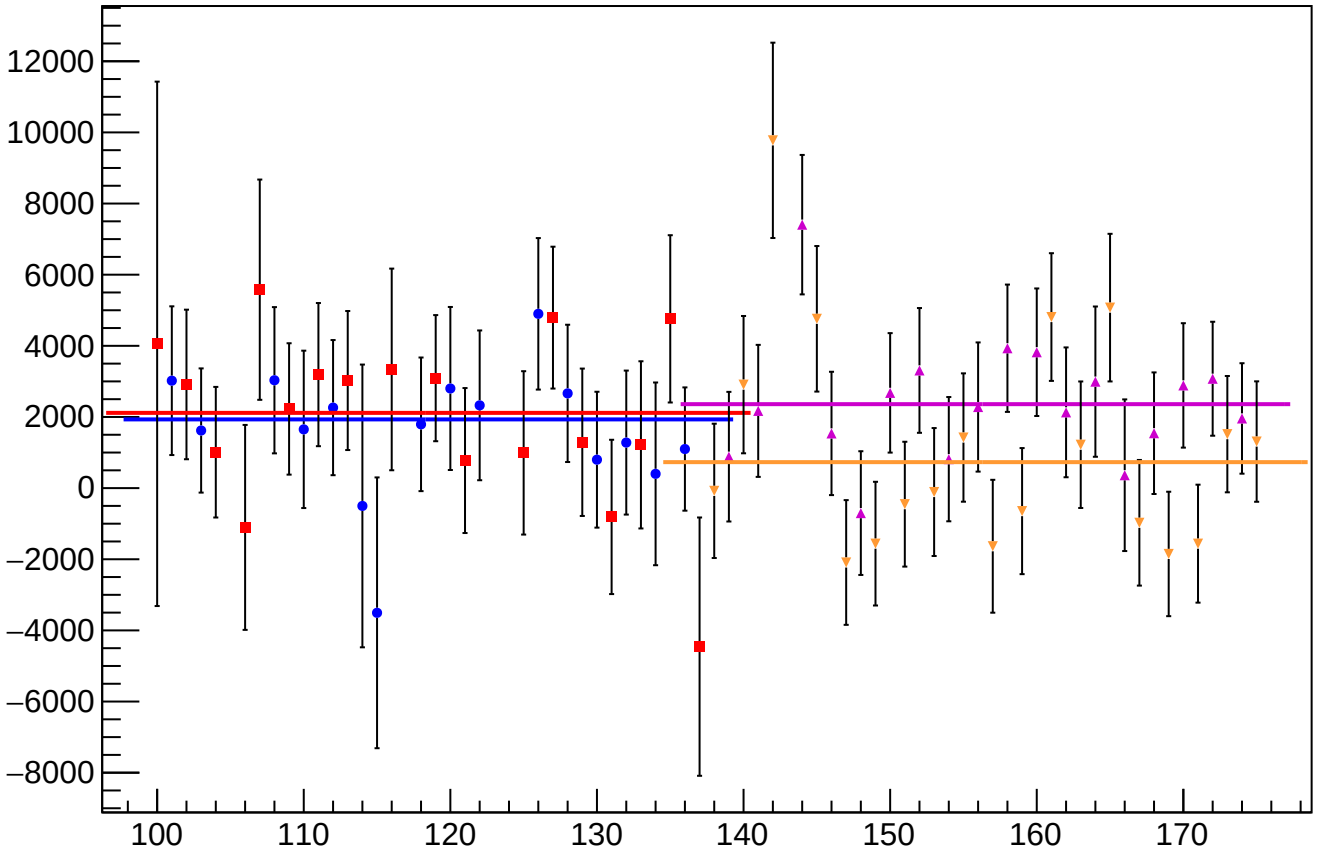
Left: 5371.773+/-0.708 χ^2/NDF: 1749110.6/36

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4284.273+/-0.677 χ^2/NDF:3913587.8/33

Out: 4232.480+/-0.665 χ^2/NDF:3622803.4/36

All: 4257.904+/-0.474 χ^2/NDF: 7539370.8/70



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.229+/-418.270 χ^2/NDF:38.5/18

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2360.147+/-420.047 χ^2/NDF:14.7/17

Left: 1541.733+/-296.388 χ^2/NDF: 60.8/36

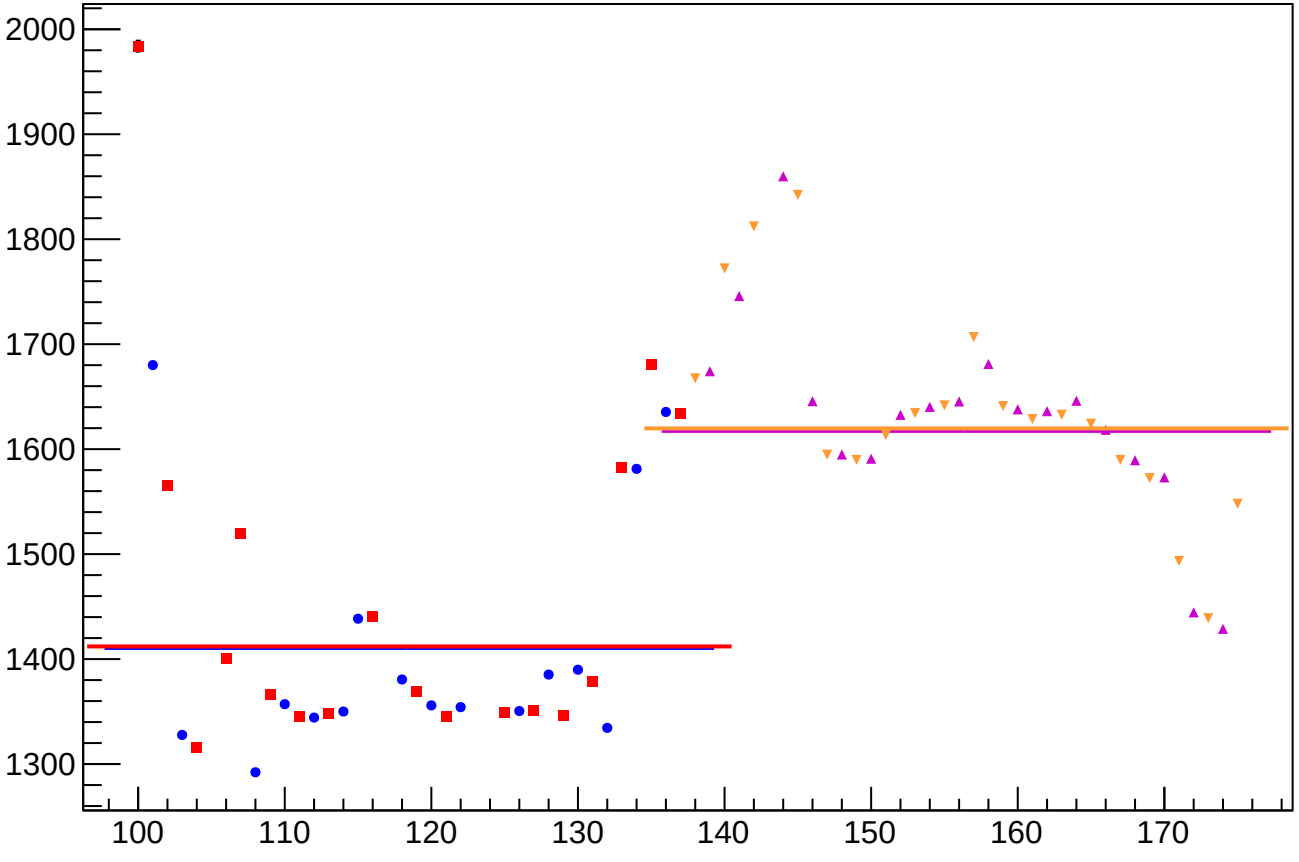
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2193.689+/-328.506 χ^2/NDF:21.5/33

Out: 1263.245+/-328.053 χ^2/NDF:56.0/36

All: 1727.825+/-232.128 χ^2/NDF: 81.5/70

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.758+/-0.296 χ^2/NDF:95146.3/18

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1617.410+/-0.297 χ^2/NDF:102499.4/17

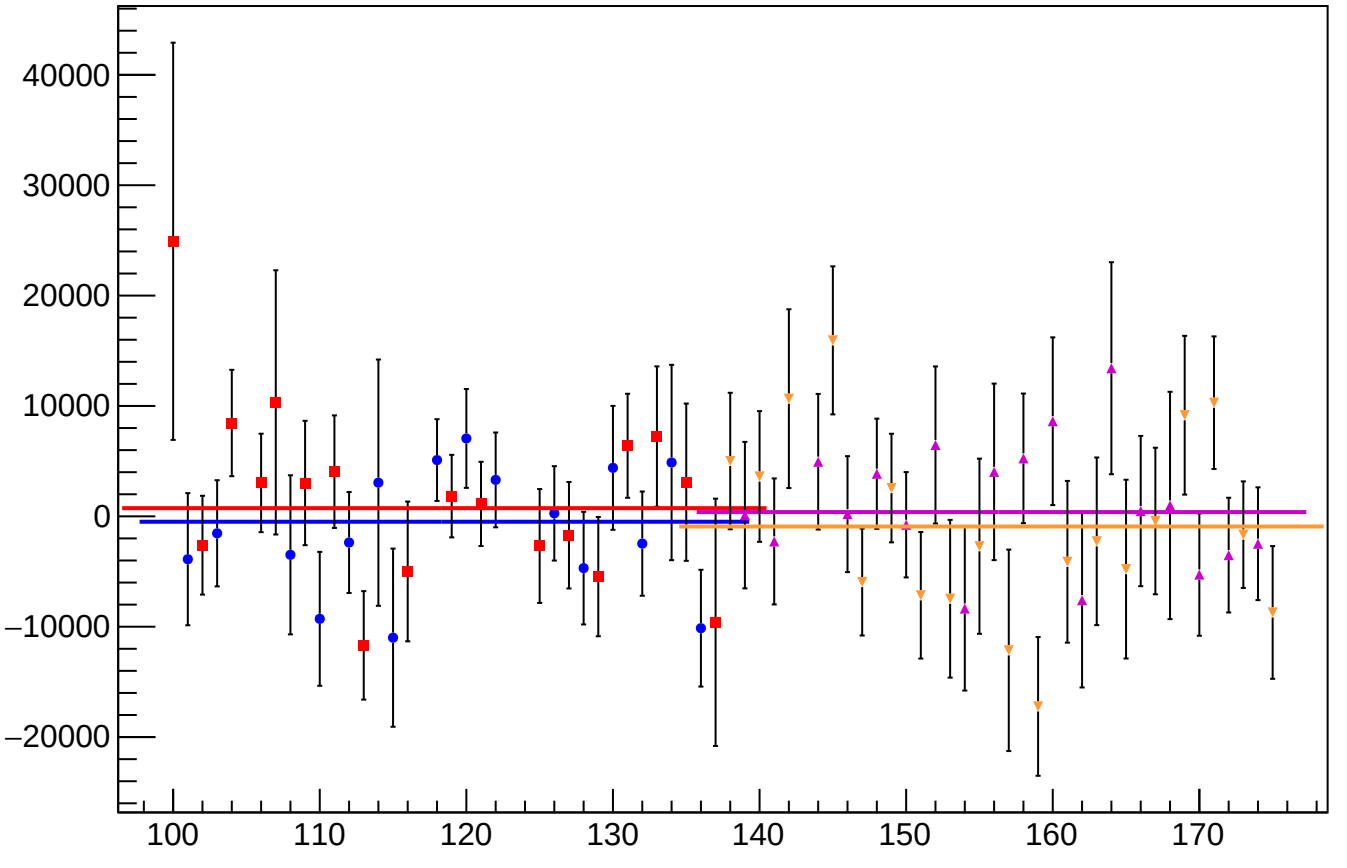
Left: 1618.589+/-0.210 χ^2/NDF: 197677.1/36

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1537.090+/-0.232 χ^2/NDF:389944.4/33

Out: 1539.556+/-0.232 χ^2/NDF:375291.5/36

All: 1538.326+/-0.164 χ^2/NDF: 765292.4/70



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -921.314+/-1457.315 χ^2/NDF:29.4/18

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 386.499+/-1465.447 χ^2/NDF:10.3/17

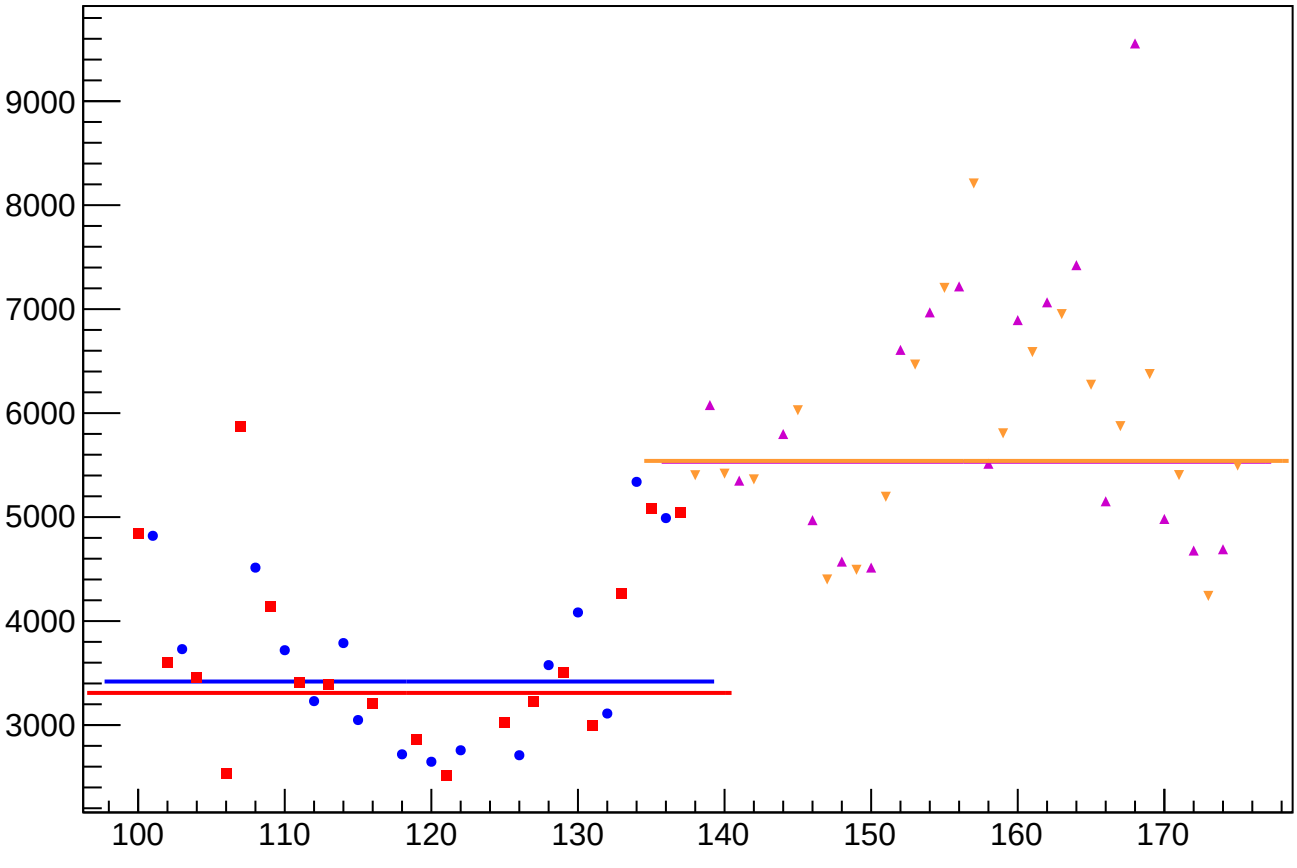
Left: -271.047+/-1033.340 χ^2/NDF: 40.0/36

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -100.788+/-976.117 χ^2/NDF:26.3/33

Out: 37.492+/-947.891 χ^2/NDF:49.3/36

All: -29.620+/-680.020 χ^2/NDF: 75.6/70



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5540.438+/-1.030 χ^2/NDF:822422.9/18

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5532.286+/-1.036 χ^2/NDF:1072805.7/17

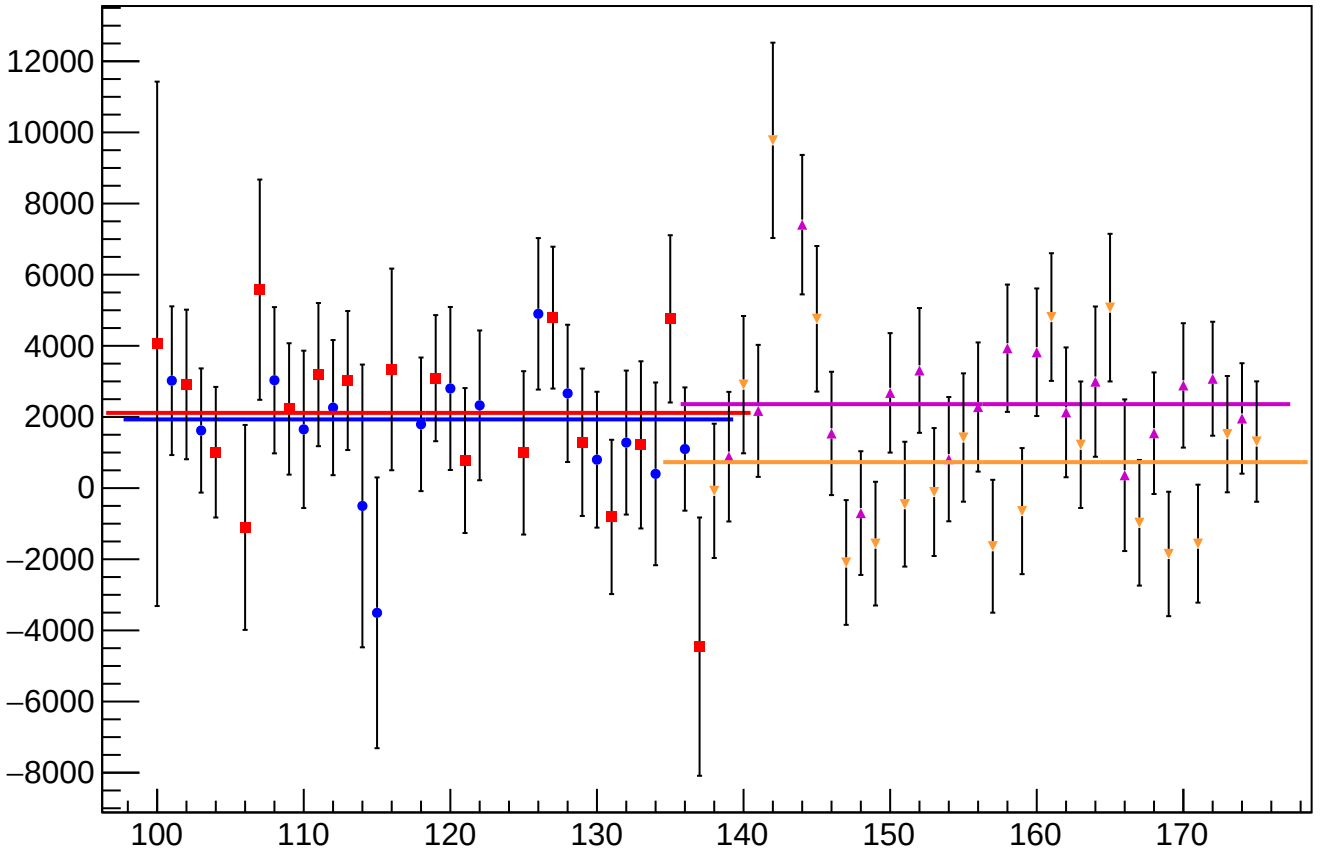
Left: 5536.384+/-0.731 χ^2/NDF: 1895259.8/36

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4356.443+/-0.690 χ^2/NDF:4108528.0/33

Out: 4253.115+/-0.670 χ^2/NDF:4099403.9/36

All: 4303.263+/-0.481 χ^2/NDF: 8219466.1/70



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.224+/-418.270 χ^2/NDF:38.5/18

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2360.148+/-420.047 χ^2/NDF:14.7/17

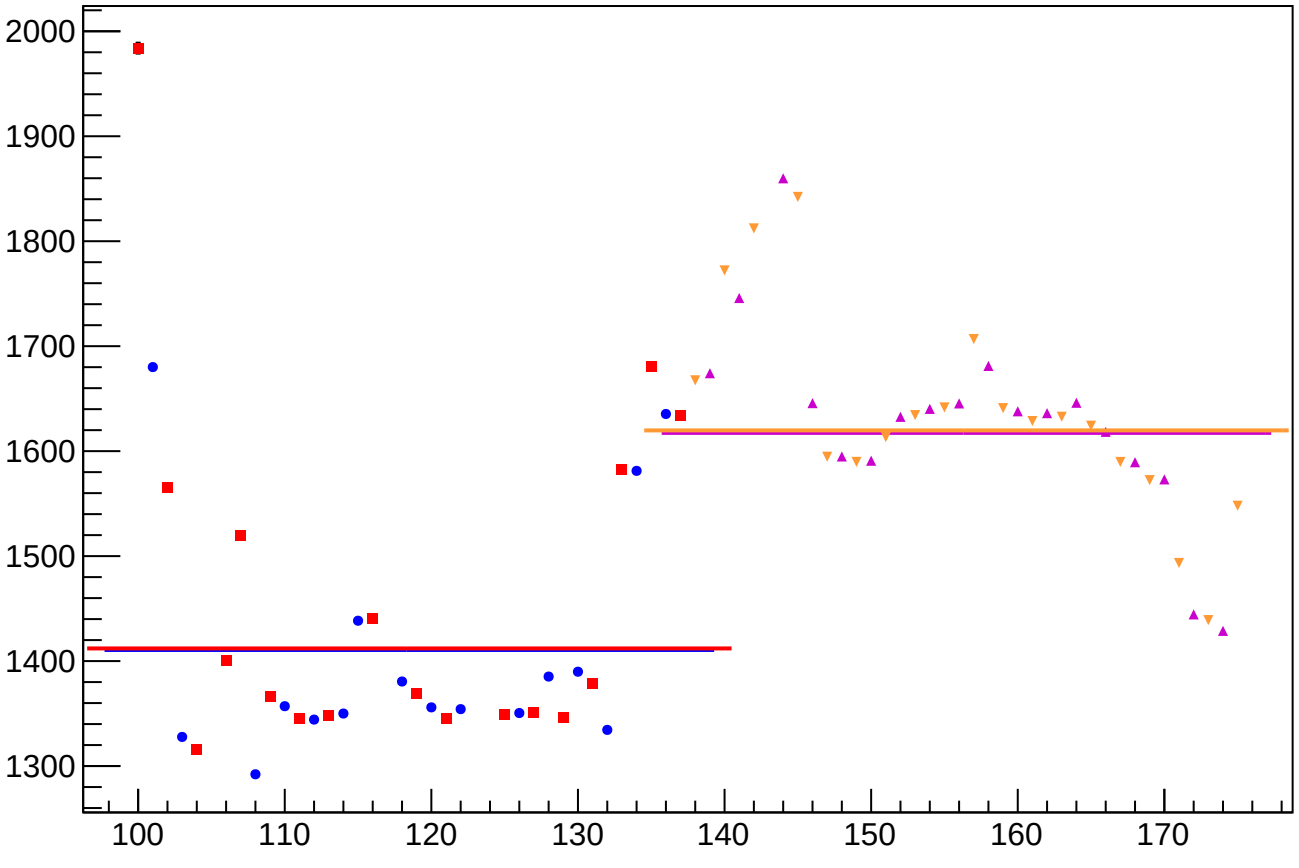
Left: 1541.731+/-296.388 χ^2/NDF: 60.8/36

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2193.690+/-328.506 χ^2/NDF:21.5/33

Out: 1263.242+/-328.053 χ^2/NDF:56.0/36

All: 1727.824+/-232.129 χ^2/NDF: 81.5/70



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.759+/-0.296 χ^2/NDF:95149.8/18

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1617.410+/-0.297 χ^2/NDF:102502.9/17

Left: 1618.589+/-0.210 χ^2/NDF: 197684.0/36

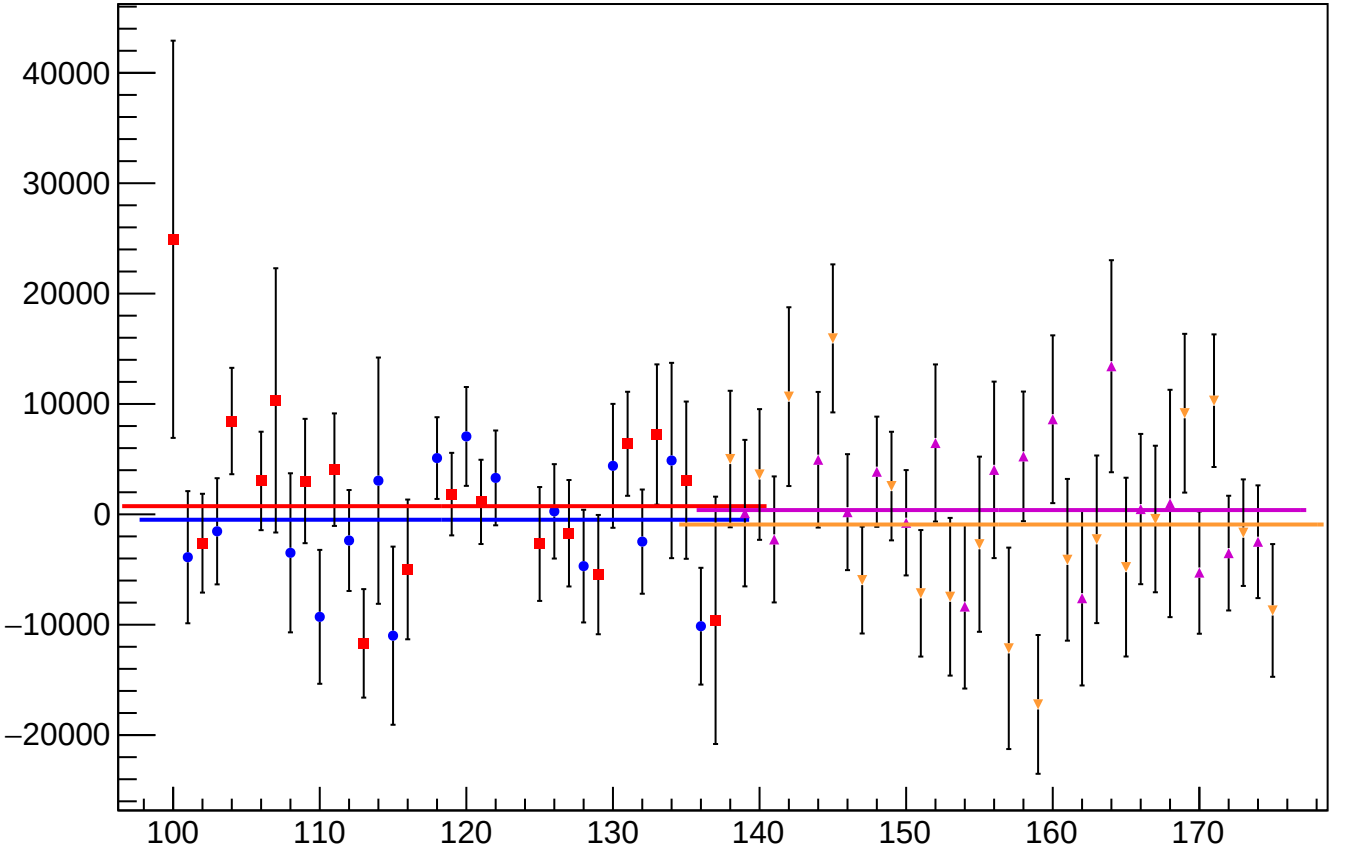
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1537.090+/-0.232 χ^2/NDF:389948.5/33

Out: 1539.556+/-0.232 χ^2/NDF:375296.2/36

All: 1538.326+/-0.164 χ^2/NDF: 765301.2/70

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -921.322+/-1457.317 χ^2/NDF:29.4/18

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 386.499+/-1465.450 χ^2/NDF:10.3/17

Left: -271.050+/-1033.342 χ^2/NDF: 40.0/36

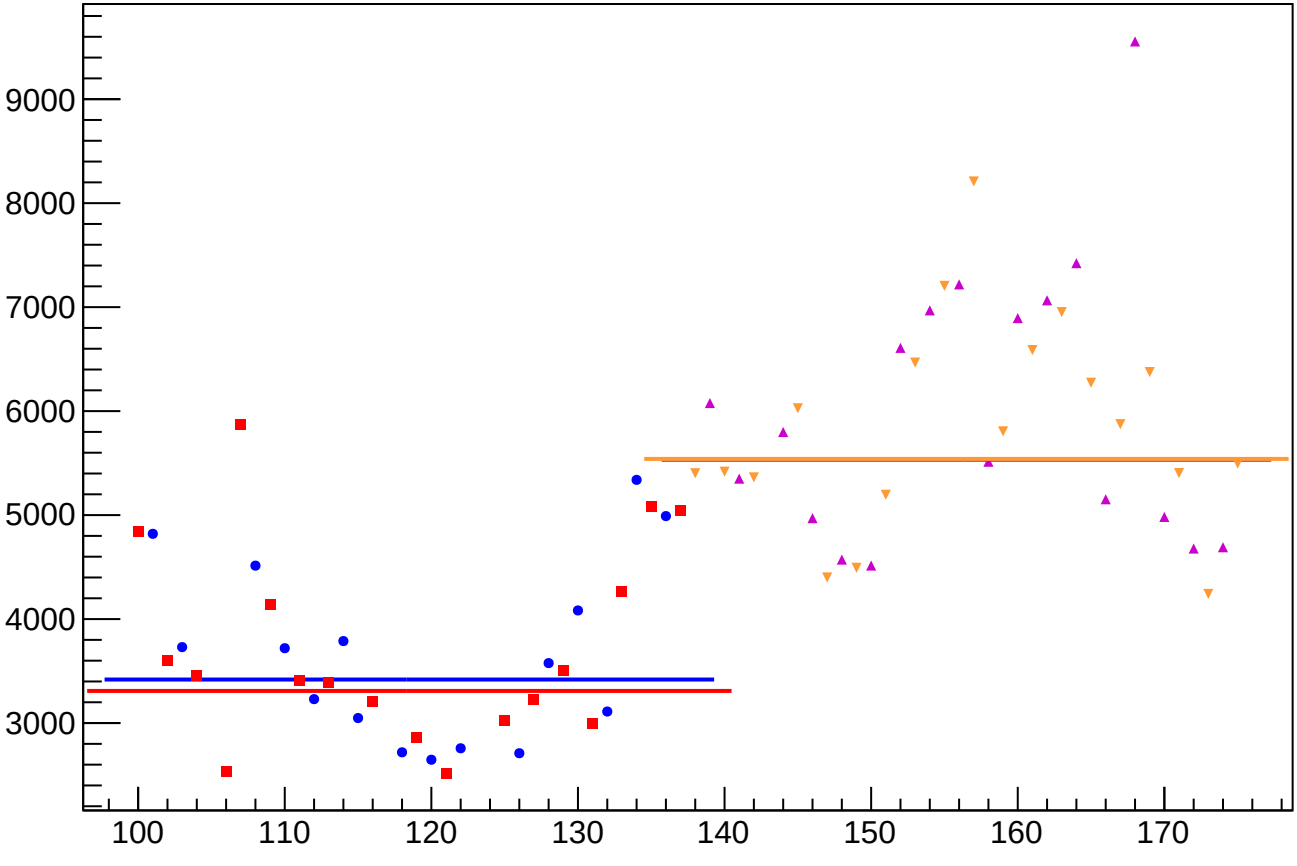
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -100.786+/-976.117 χ^2/NDF:26.3/33

Out: 37.494+/-947.890 χ^2/NDF:49.3/36

All: -29.617+/-680.020 χ^2/NDF: 75.6/70

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5540.447+/-1.030 χ^2/NDF:822423.0/18

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5532.294+/-1.036 χ^2/NDF:1072806.2/17

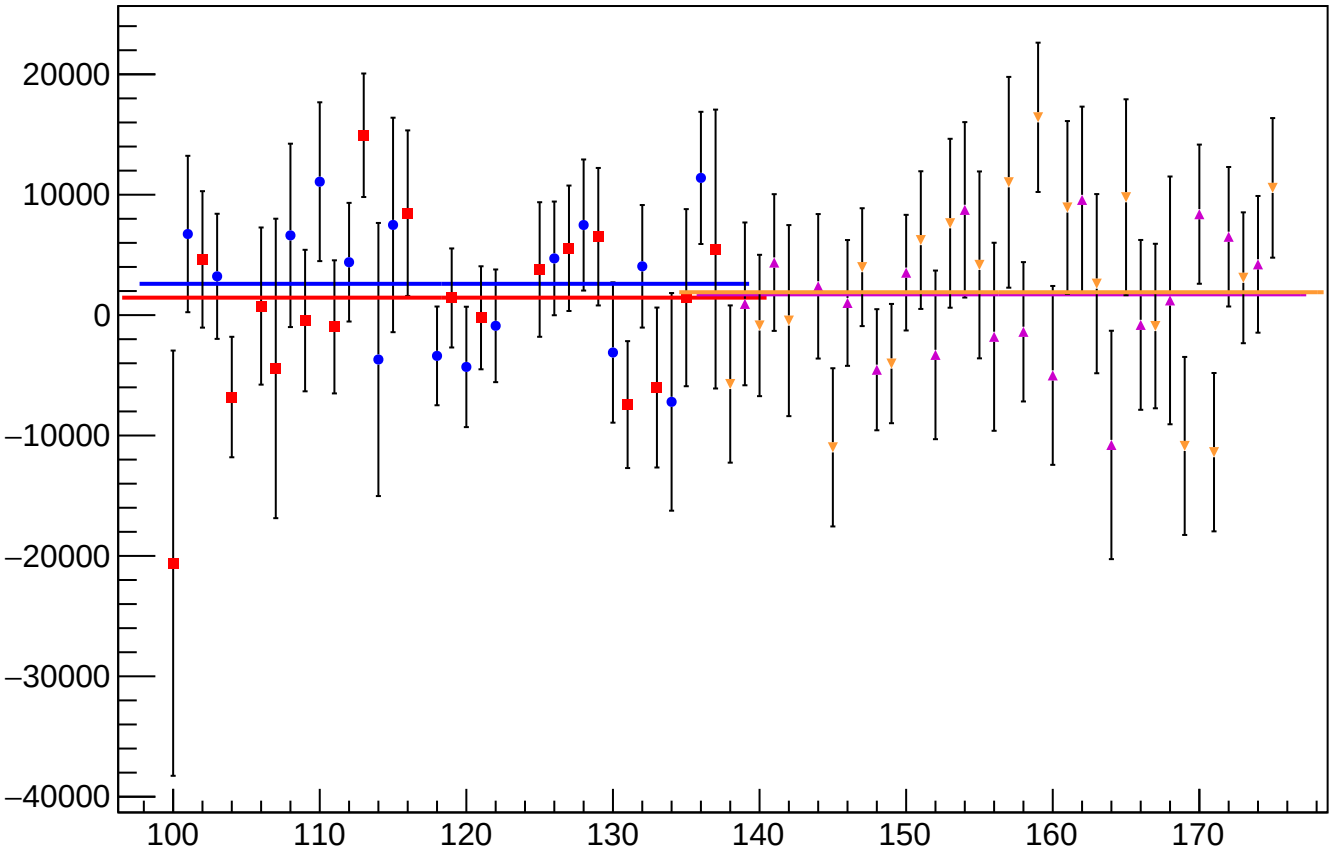
Left: 5536.393+/-0.731 χ^2/NDF: 1895260.4/36

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4356.436+/-0.690 χ^2/NDF:4108581.8/33

Out: 4253.108+/-0.670 χ^2/NDF:4099455.5/36

All: 4303.256+/-0.481 χ^2/NDF: 8219571.3/70



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1901.128+/-1475.055 χ^2/NDF:26.5/18

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1724.742+/-1487.550 χ^2/NDF:9.8/17

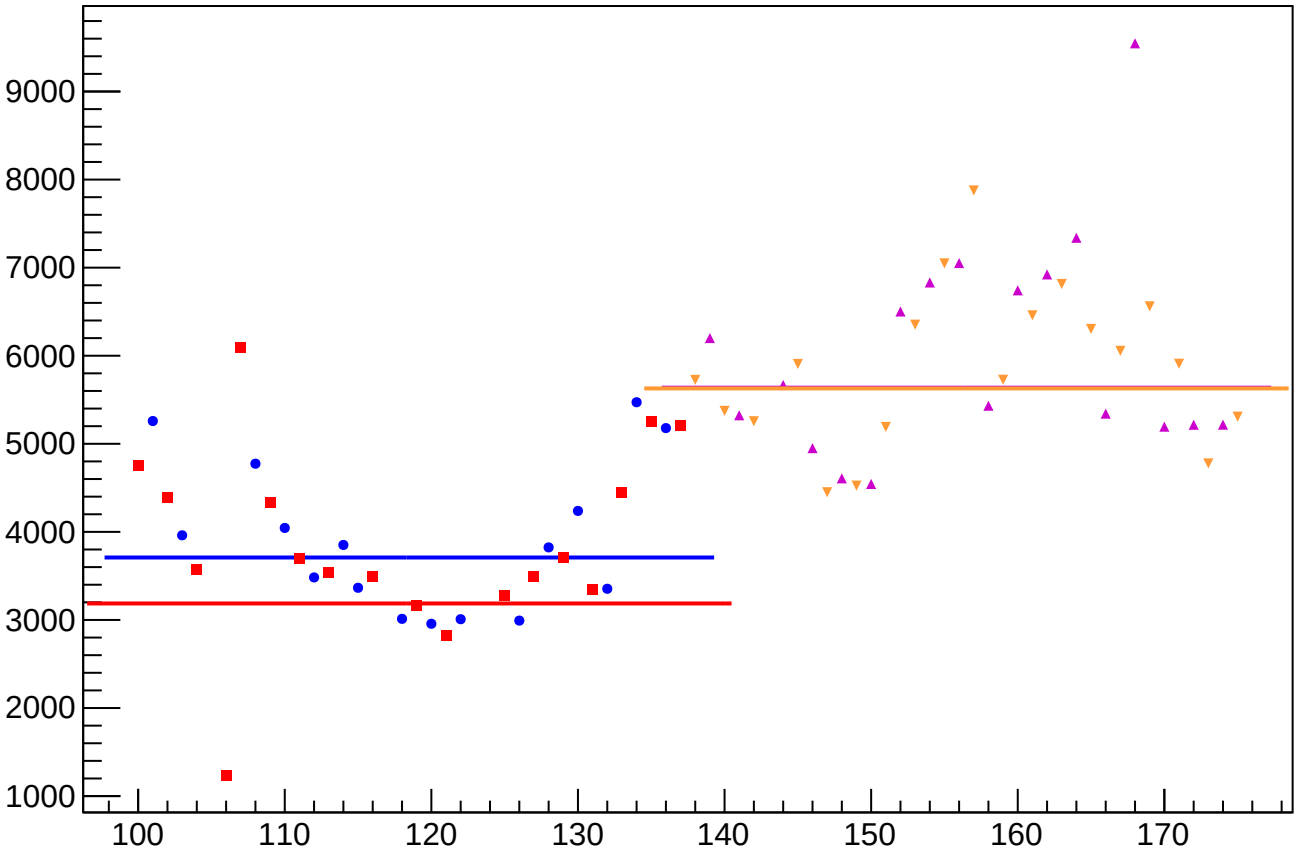
Left: 1813.679+/-1047.411 χ^2/NDF: 36.3/36

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2184.191+/-1025.054 χ^2/NDF:23.5/33

Out: 1661.242+/-1008.833 χ^2/NDF:45.6/36

All: 1918.546+/-719.019 χ^2/NDF: 69.2/70



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5628.813+/-1.043 χ^2/NDF:649437.7/18

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5637.336+/-1.052 χ^2/NDF:883836.9/17

Left: 5633.039+/-0.741 χ^2/NDF: 1533307.7/36

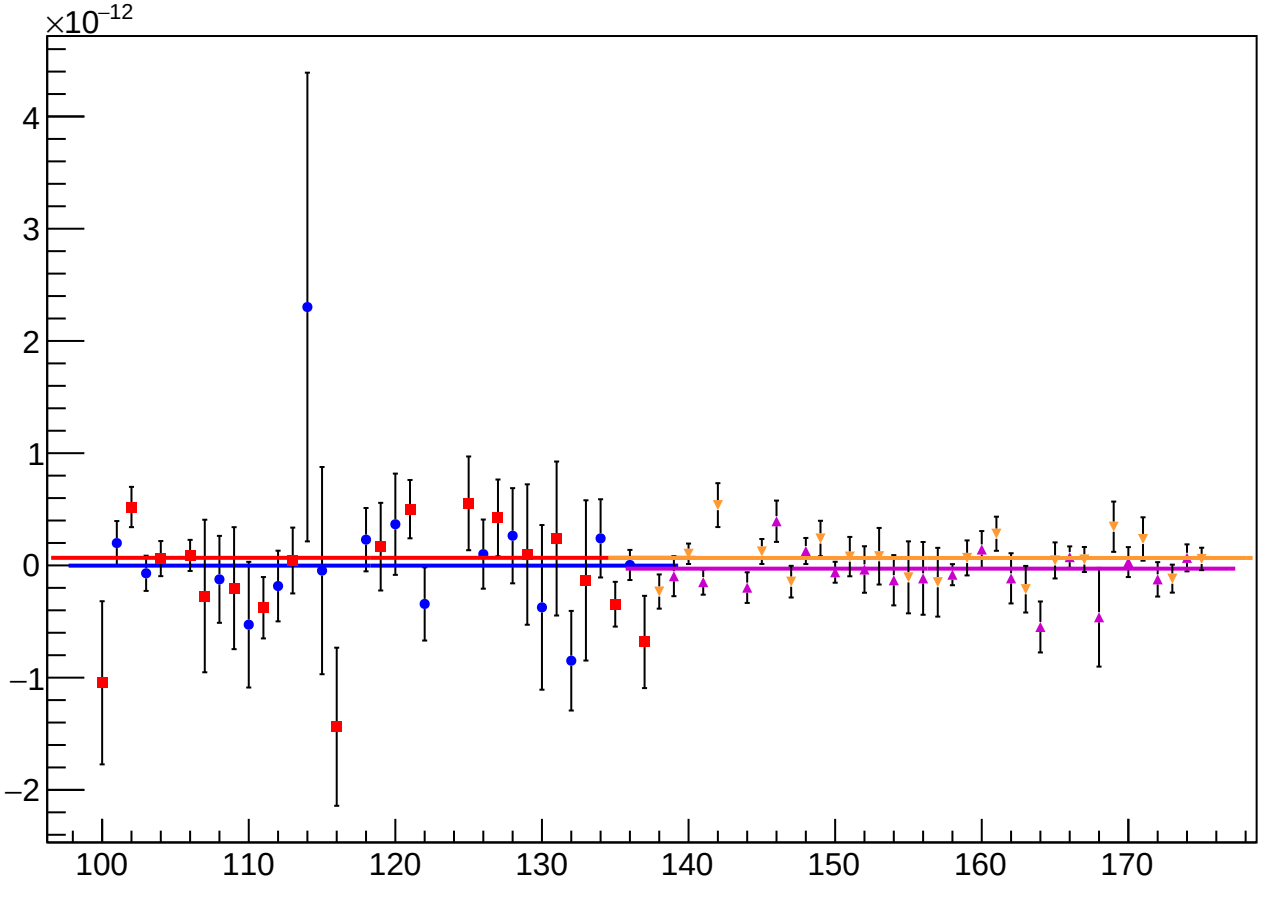
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4624.737+/-0.725 χ^2/NDF:3259180.4/33

Out: 4223.353+/-0.679 χ^2/NDF:5414609.4/36

All: 4411.095+/-0.496 χ^2/NDF: 8837014.5/70

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:20.4/17

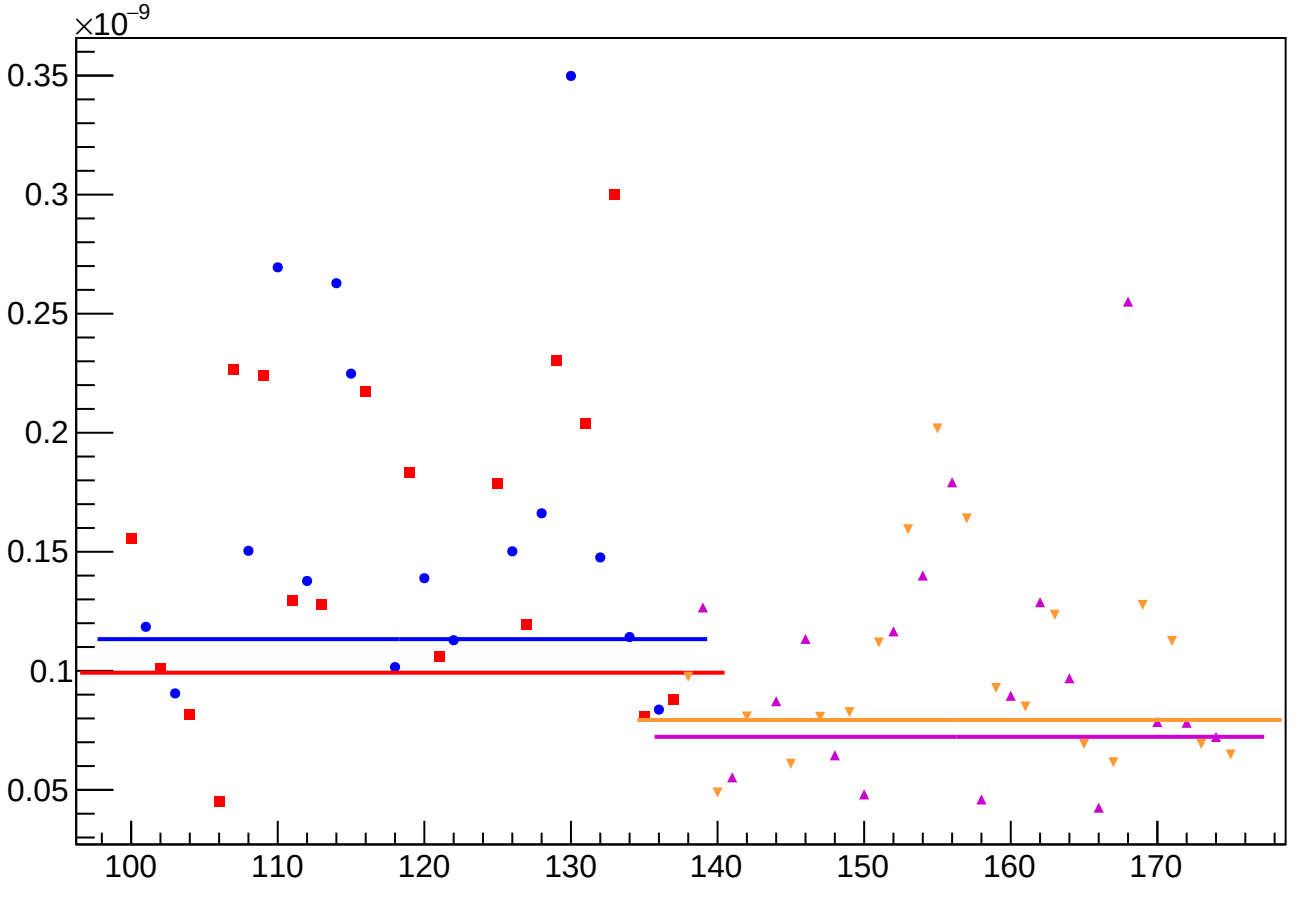
Left: 0.000+/-0.000 χ^2/NDF: 47.1/36

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:31.7/33

Out: 0.000+/-0.000 χ^2/NDF:52.2/36

All: 0.000+/-0.000 χ^2/NDF: 88.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397400.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1867936.6/17

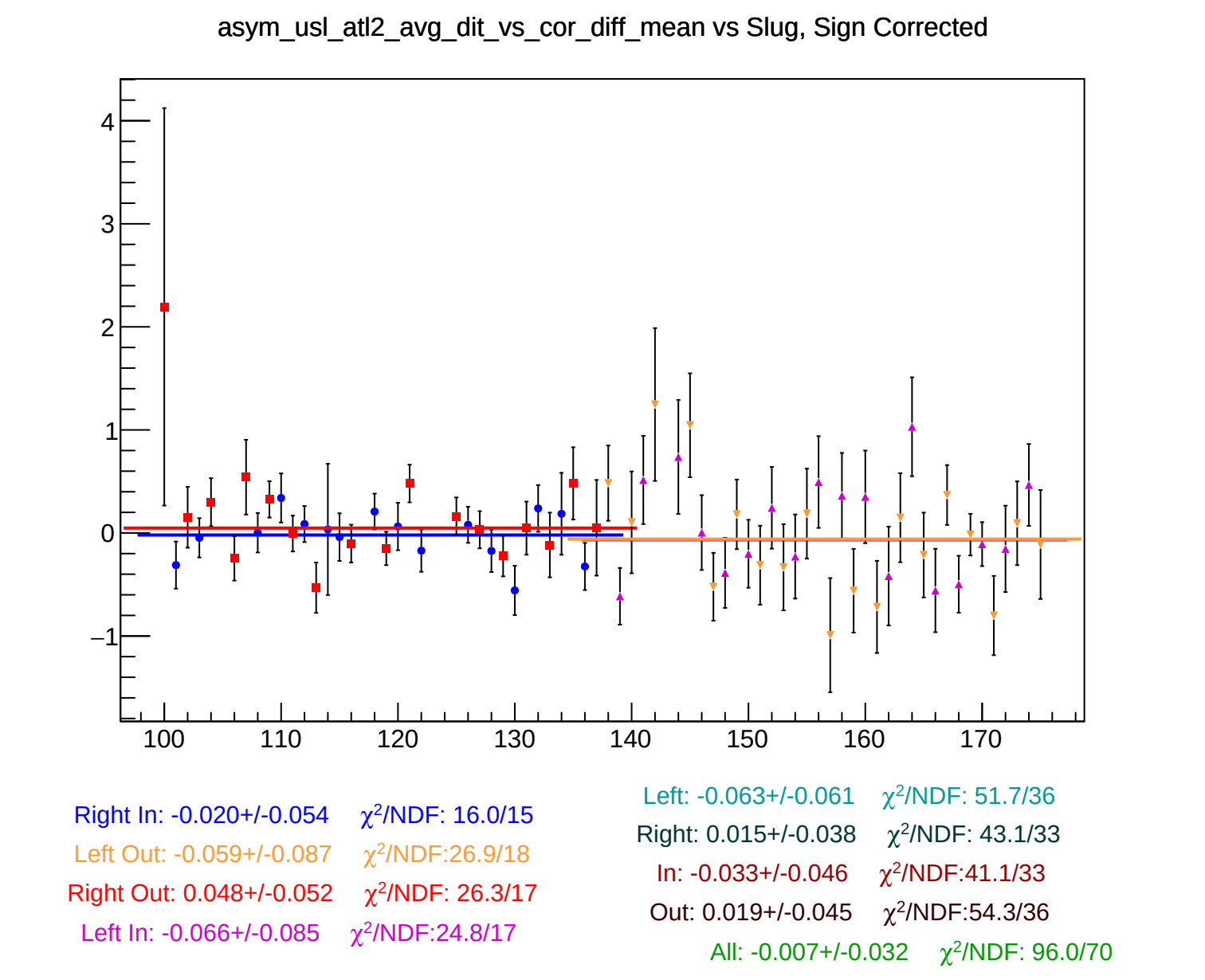
Left: 0.000+/-0.000 χ^2/NDF: 3309988.2/36

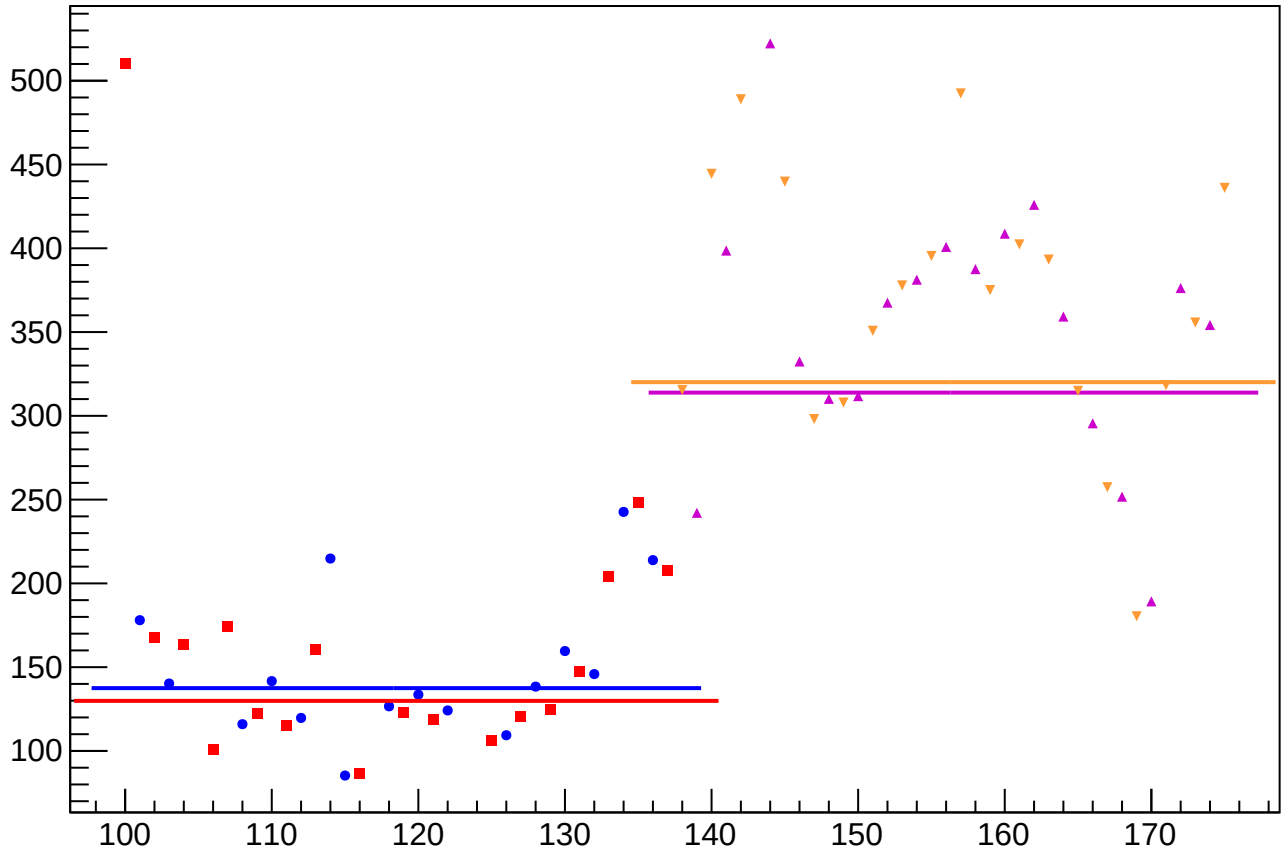
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3079058.5/33

Out: 0.000+/-0.000 χ^2/NDF:2642283.9/36

All: 0.000+/-0.000 χ^2/NDF: 5737473.8/70


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.059+/-0.087 χ²/NDF:26.9/18
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.066+/-0.085 χ²/NDF:24.8/17
Left: -0.063+/-0.061 χ²/NDF: 51.7/36
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.033+/-0.046 χ²/NDF:41.1/33
Out: 0.019+/-0.045 χ²/NDF:54.3/36
All: -0.007+/-0.032 χ²/NDF: 96.0/70



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

Left: 316.918+/-0.043 χ^2/NDF: 3789194.6/36

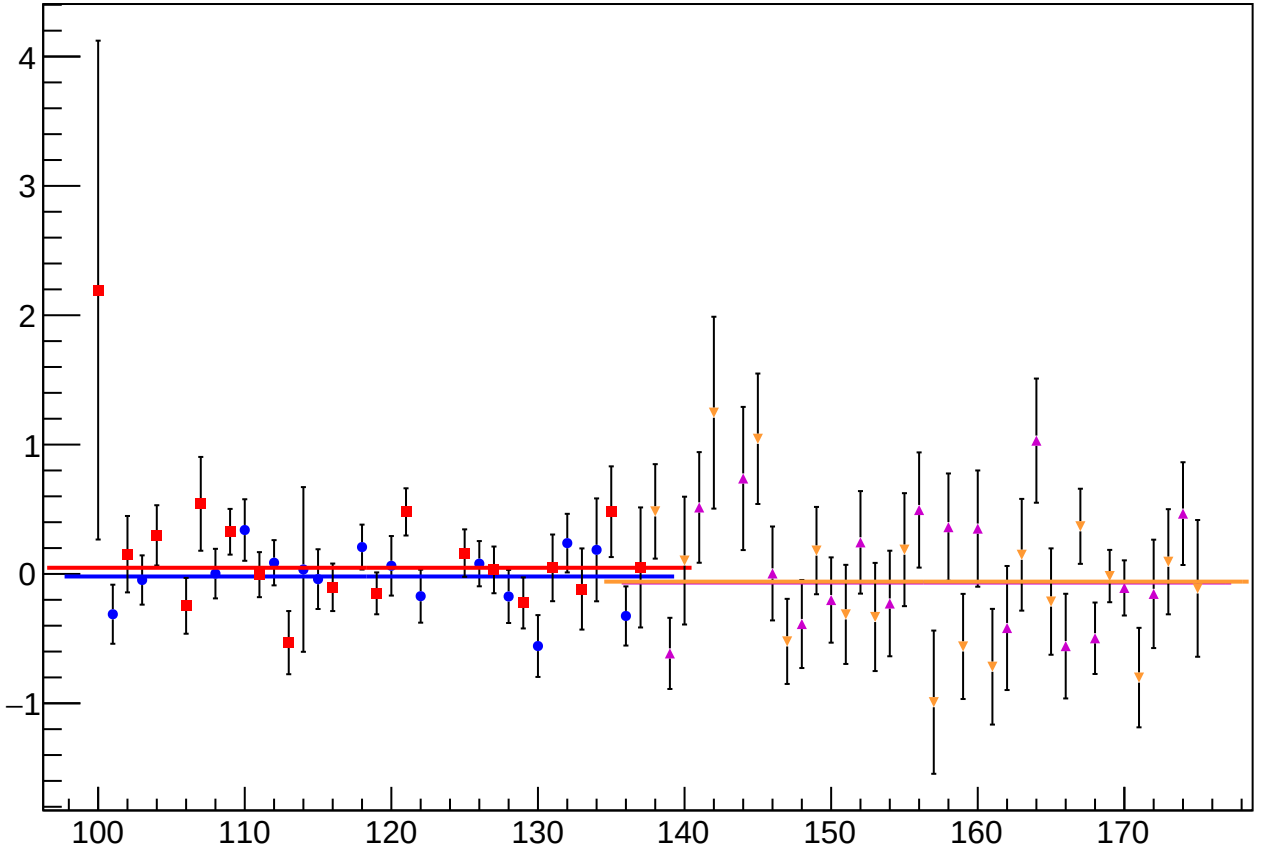
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 188.236+/-0.032 χ^2/NDF:8588240.5/33

Out: 180.463+/-0.032 χ^2/NDF:9796957.9/36

All: 184.283+/-0.023 χ^2/NDF: 18414553.8/70

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.066+/-0.085 χ^2/NDF:24.8/17

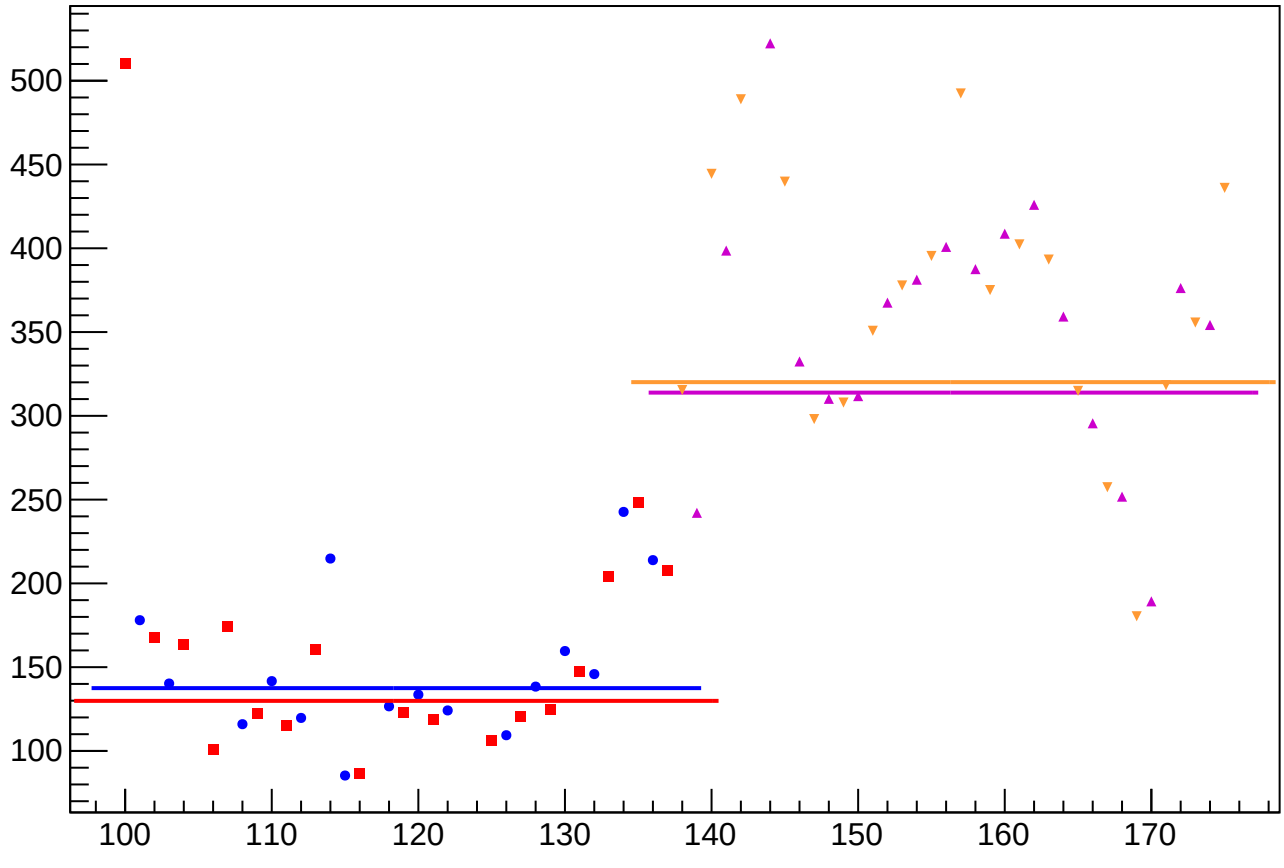
Left: -0.063+/-0.061 χ^2/NDF: 51.7/36

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.046 χ^2/NDF:41.1/33

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.007+/-0.032 χ^2/NDF: 96.0/70



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

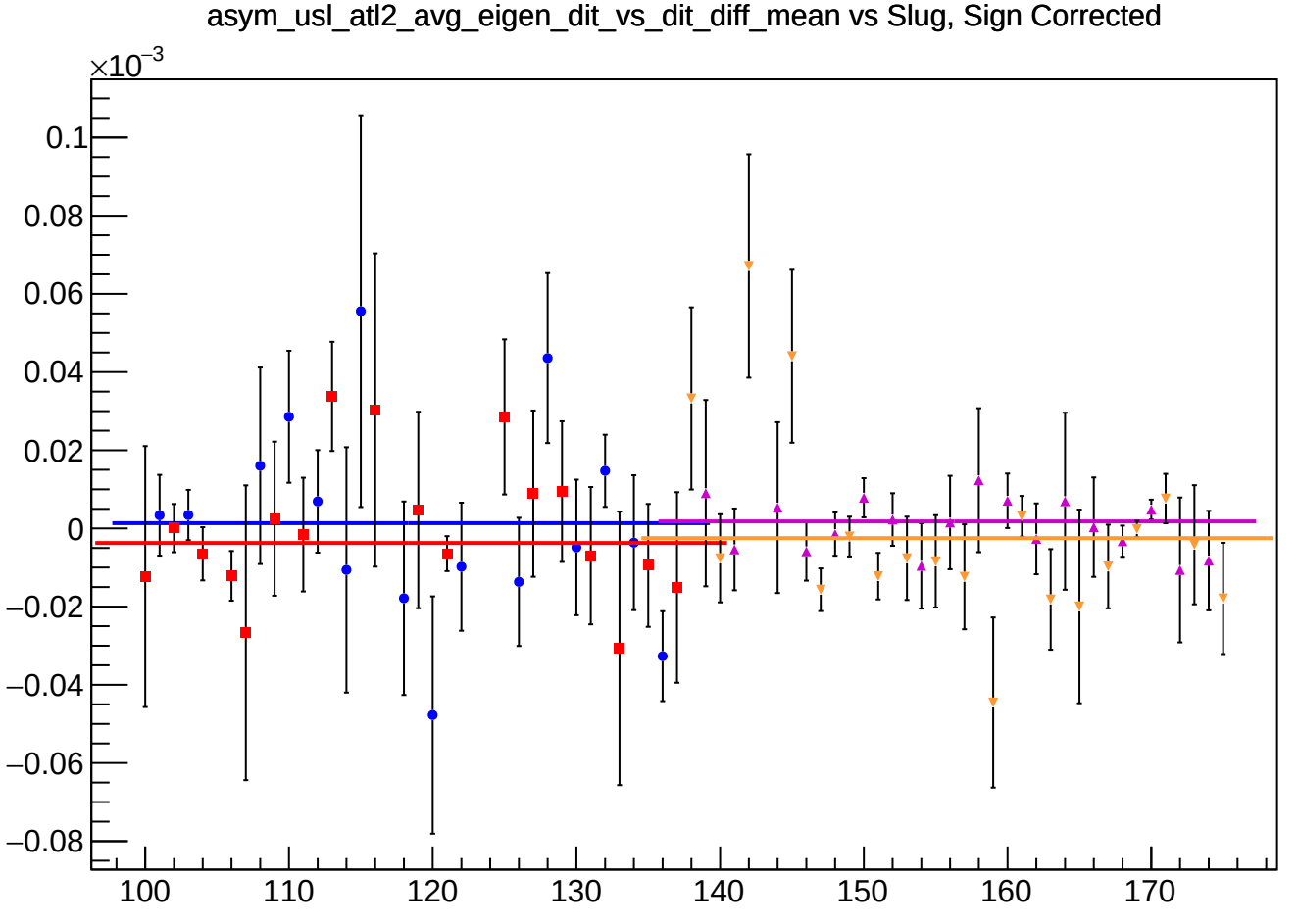
Left: 316.918+/-0.043 χ^2/NDF: 3789194.6/36

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 188.236+/-0.032 χ^2/NDF:8588240.5/33

Out: 180.463+/-0.032 χ^2/NDF:9796957.9/36

All: 184.283+/-0.023 χ^2/NDF: 18414553.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/17

Left: -0.000+/-0.000 χ^2/NDF: 48.6/36

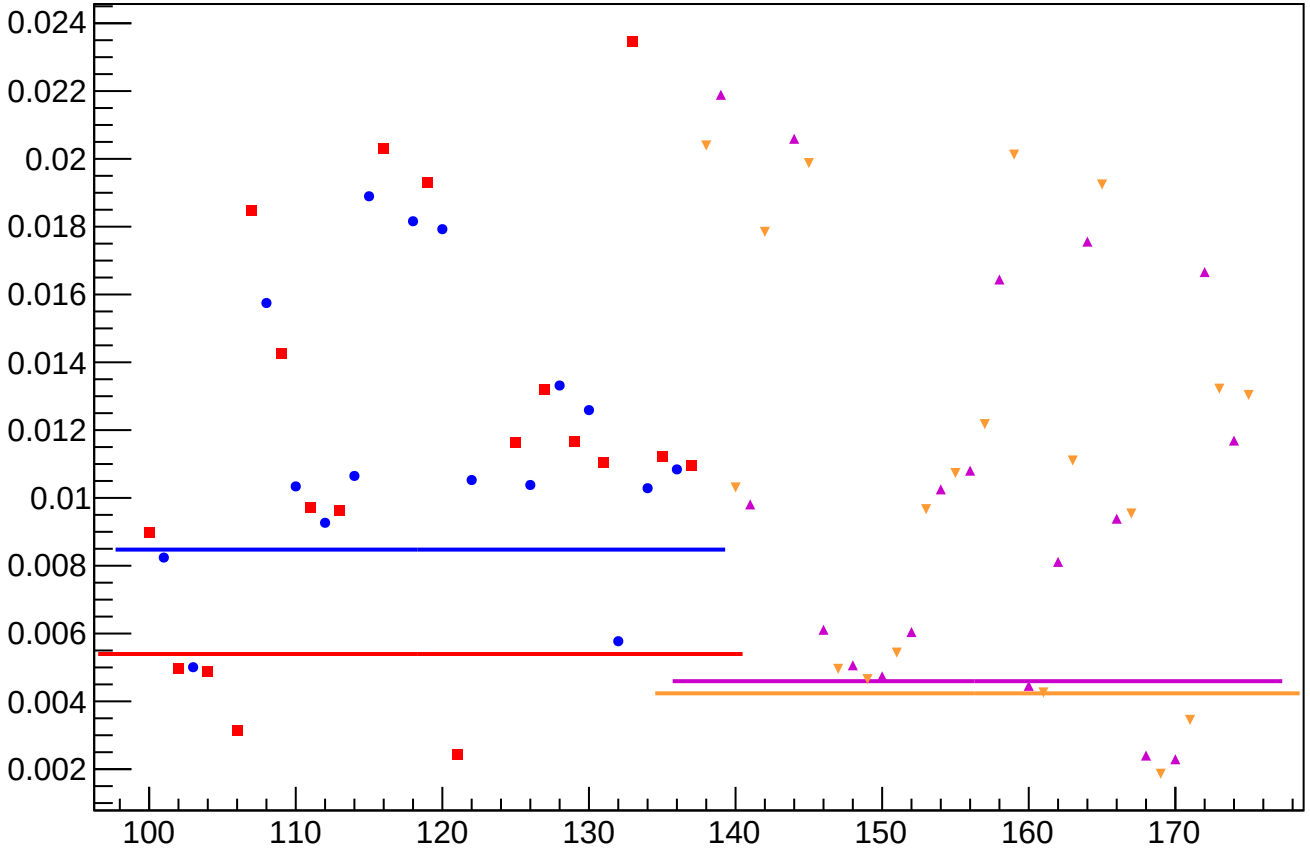
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:33.8/33

Out: -0.000+/-0.000 χ^2/NDF:50.8/36

All: -0.000+/-0.000 χ^2/NDF: 90.1/70

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:11903123.9/18

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:9666297.8/17

Left: 0.004+/-0.000 χ^2/NDF: 21625005.3/36

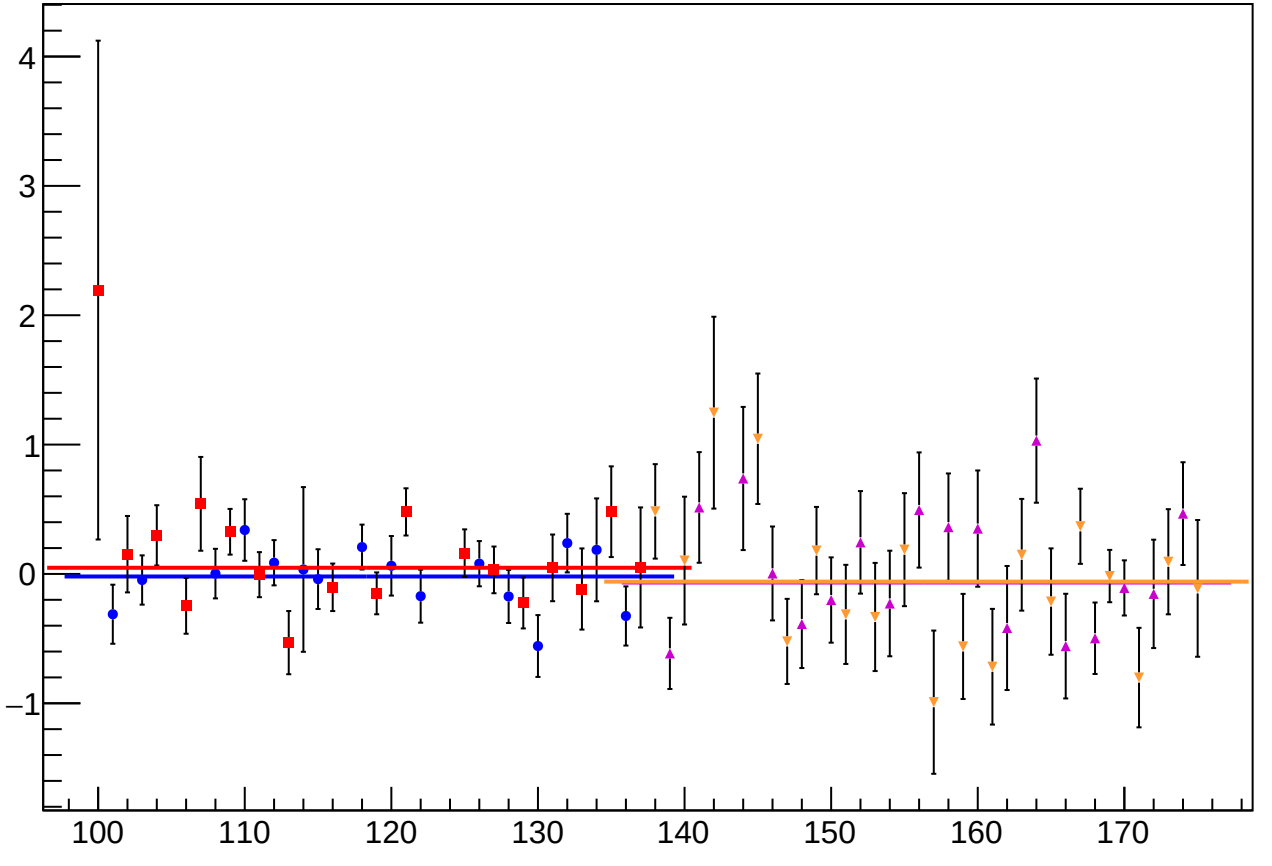
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:13694105.8/33

Out: 0.005+/-0.000 χ^2/NDF:17125940.7/36

All: 0.005+/-0.000 χ^2/NDF: 31105253.7/70

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.066+/-0.085 χ^2/NDF:24.8/17

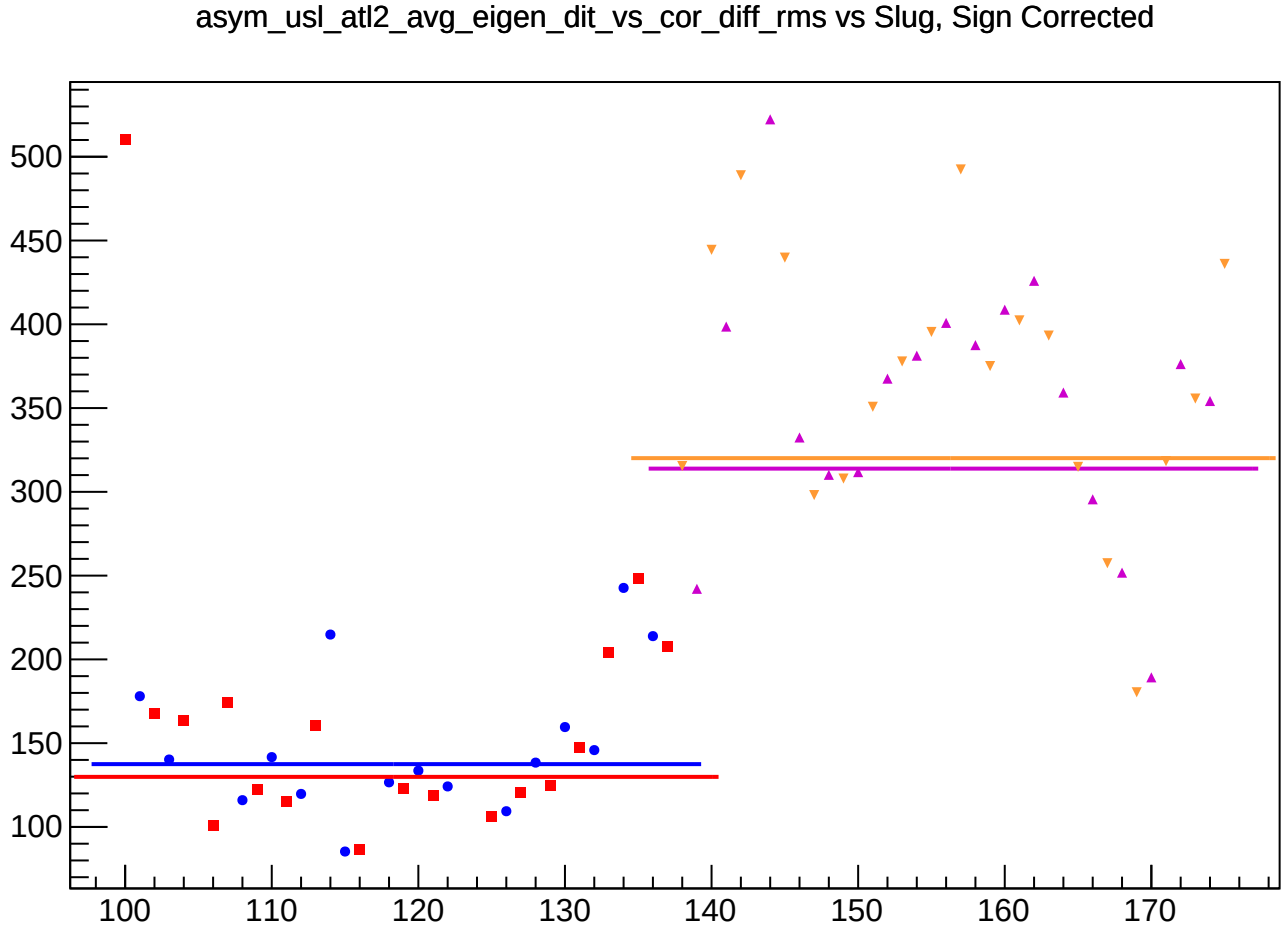
Left: -0.063+/-0.061 χ^2/NDF: 51.7/36

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.046 χ^2/NDF:41.1/33

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.007+/-0.032 χ^2/NDF: 96.0/70



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 320.117+/-0.062 χ^2/NDF:1980364.8/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

Left: 316.920+/-0.043 χ^2/NDF: 3789236.5/36

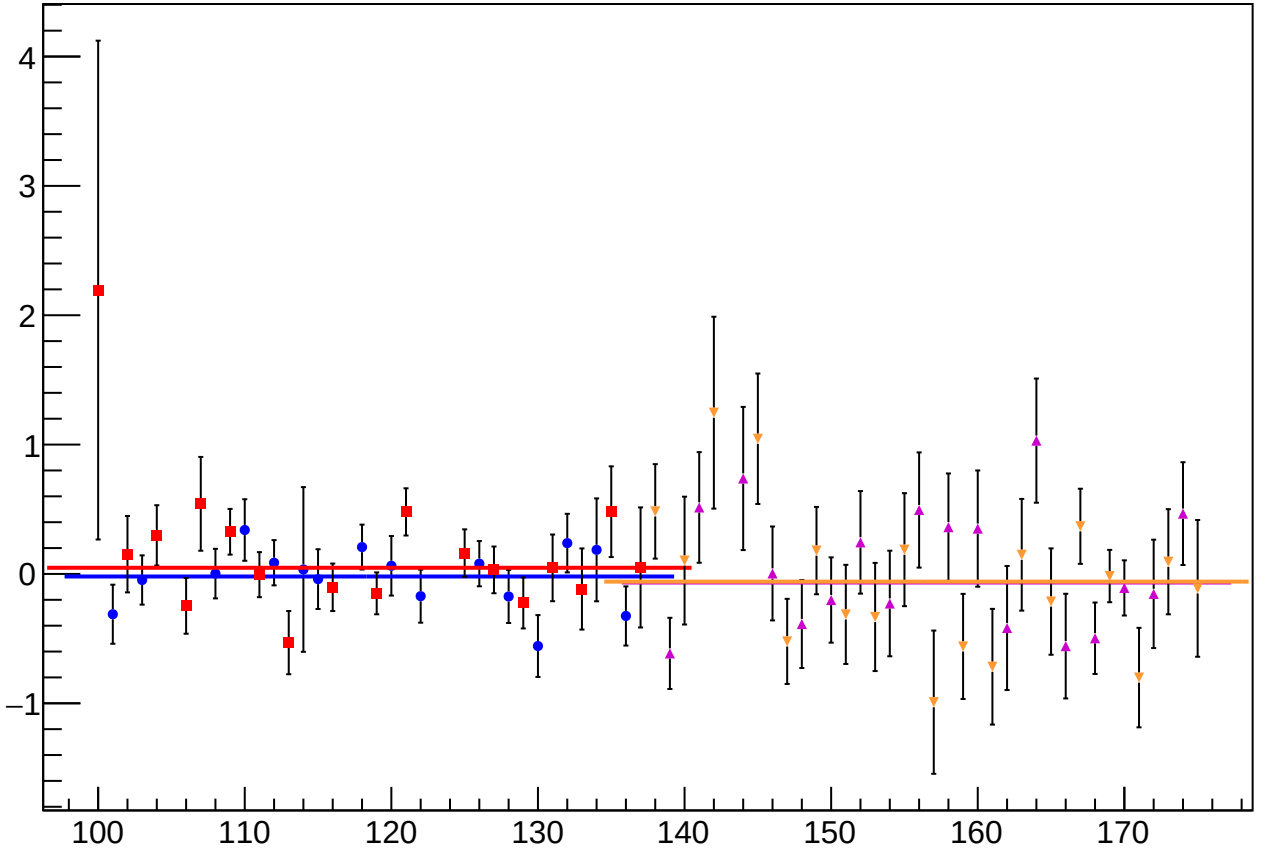
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 188.235+/-0.032 χ^2/NDF:8588336.5/33

Out: 180.463+/-0.032 χ^2/NDF:9797037.3/36

All: 184.283+/-0.023 χ^2/NDF: 18414729.7/70

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.066+/-0.085 χ^2/NDF:24.8/17

Left: -0.063+/-0.061 χ^2/NDF: 51.7/36

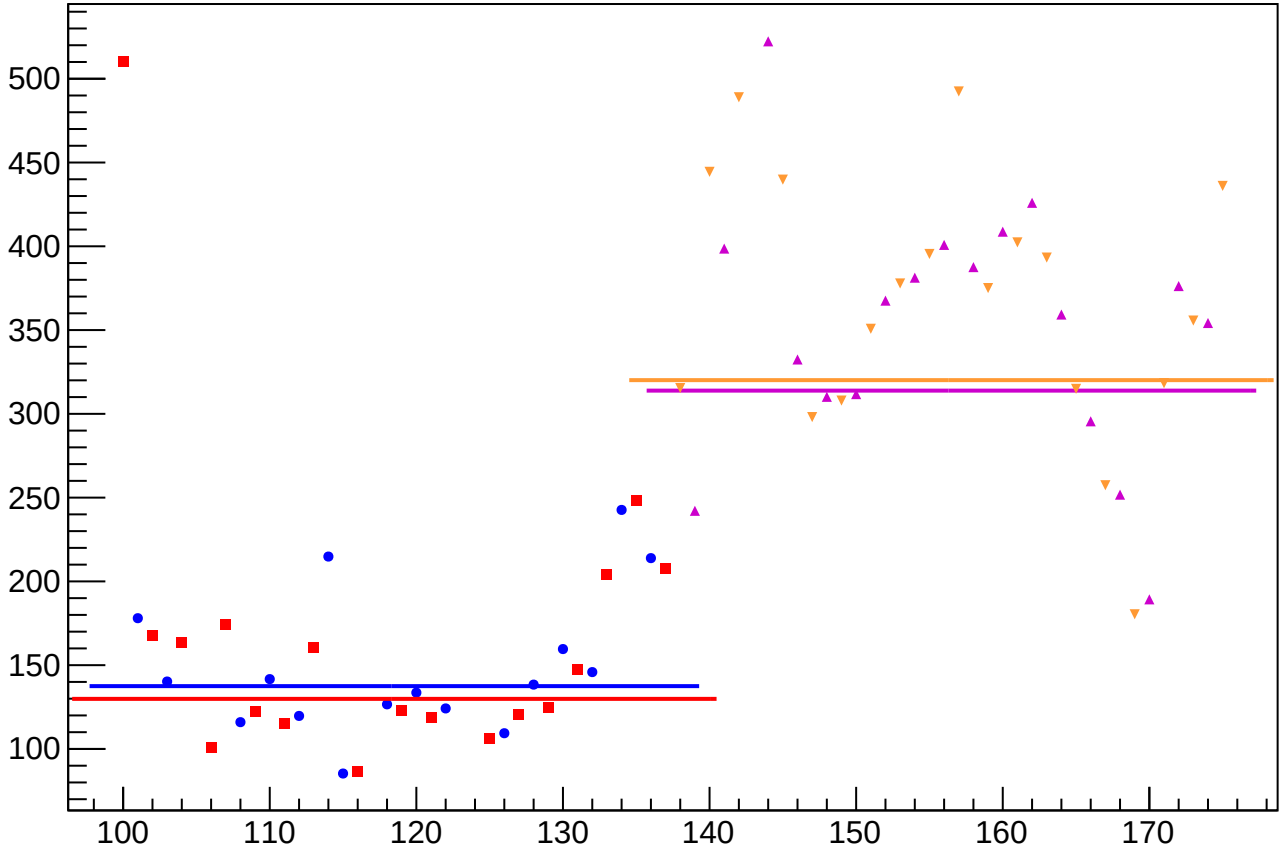
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.046 χ^2/NDF:41.1/33

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.007+/-0.032 χ^2/NDF: 96.0/70

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 320.117+/-0.062 χ^2/NDF:1980364.8/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

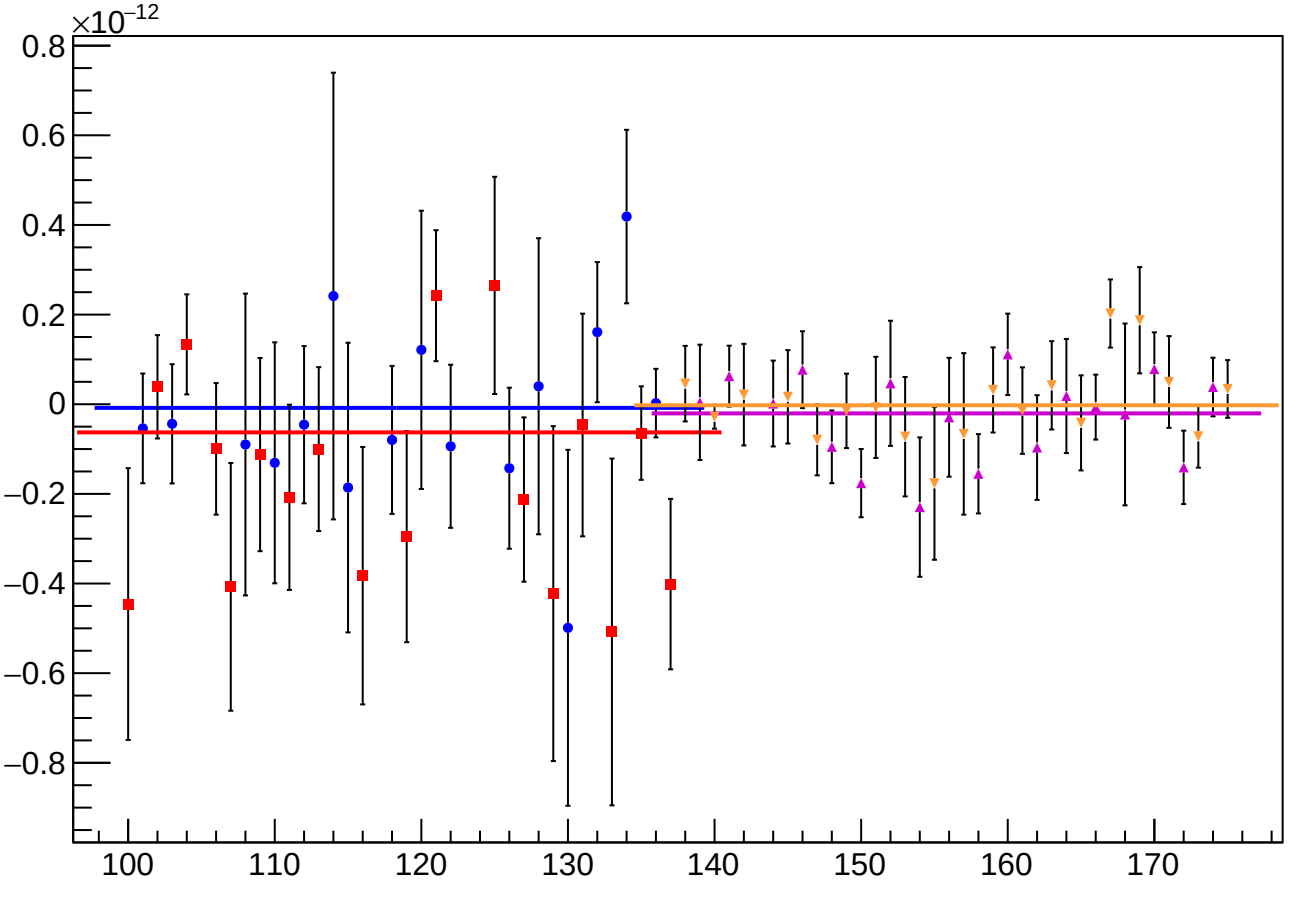
Left: 316.920+/-0.043 χ^2/NDF: 3789236.5/36

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 188.235+/-0.032 χ^2/NDF:8588336.5/33

Out: 180.463+/-0.032 χ^2/NDF:9797037.3/36

All: 184.283+/-0.023 χ^2/NDF: 18414729.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:19.3/17

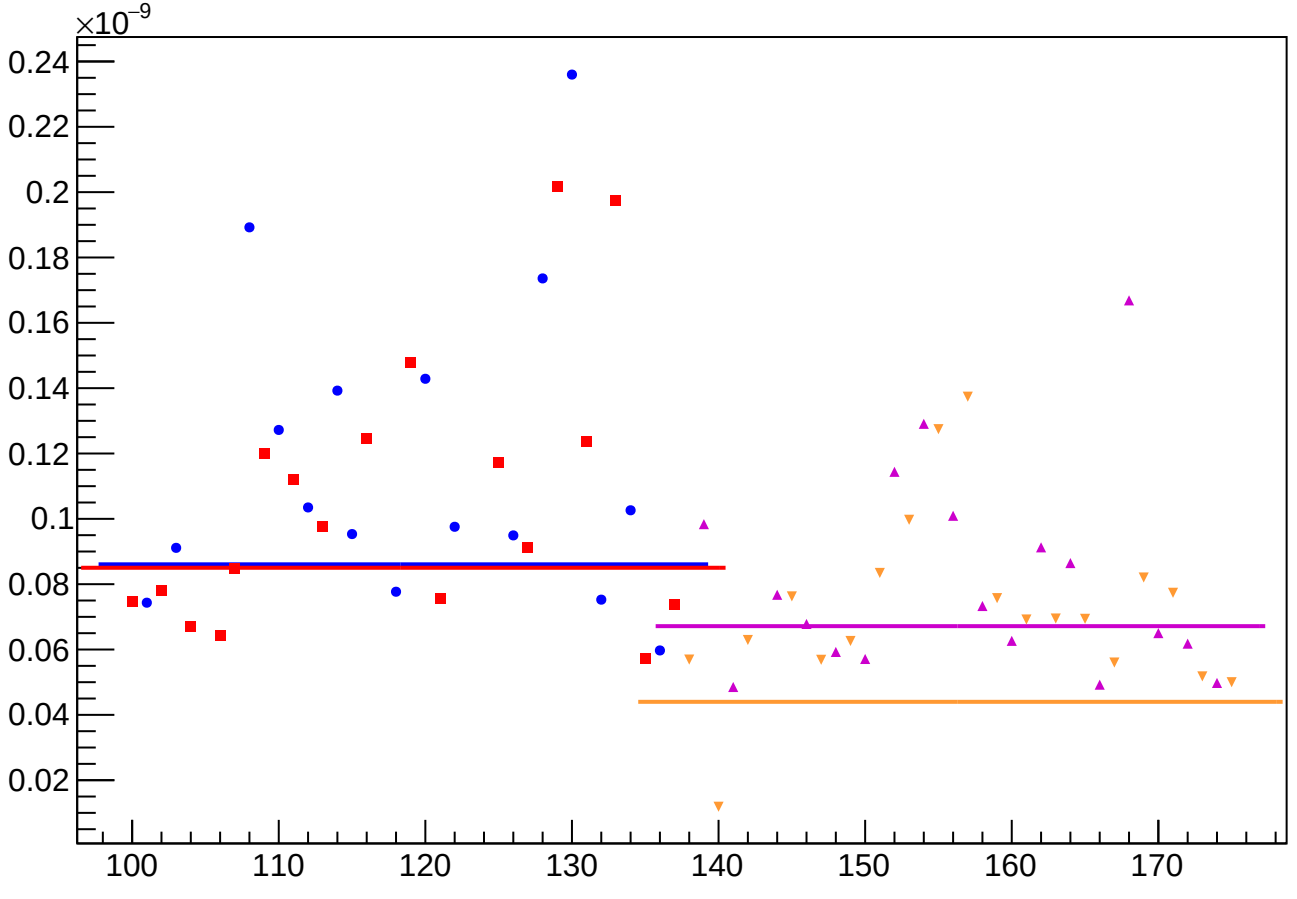
Left: -0.000+/-0.000 χ^2/NDF: 35.4/36

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:29.2/33

Out: -0.000+/-0.000 χ^2/NDF:39.6/36

All: -0.000+/-0.000 χ^2/NDF: 68.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6075533.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1920806.9/17

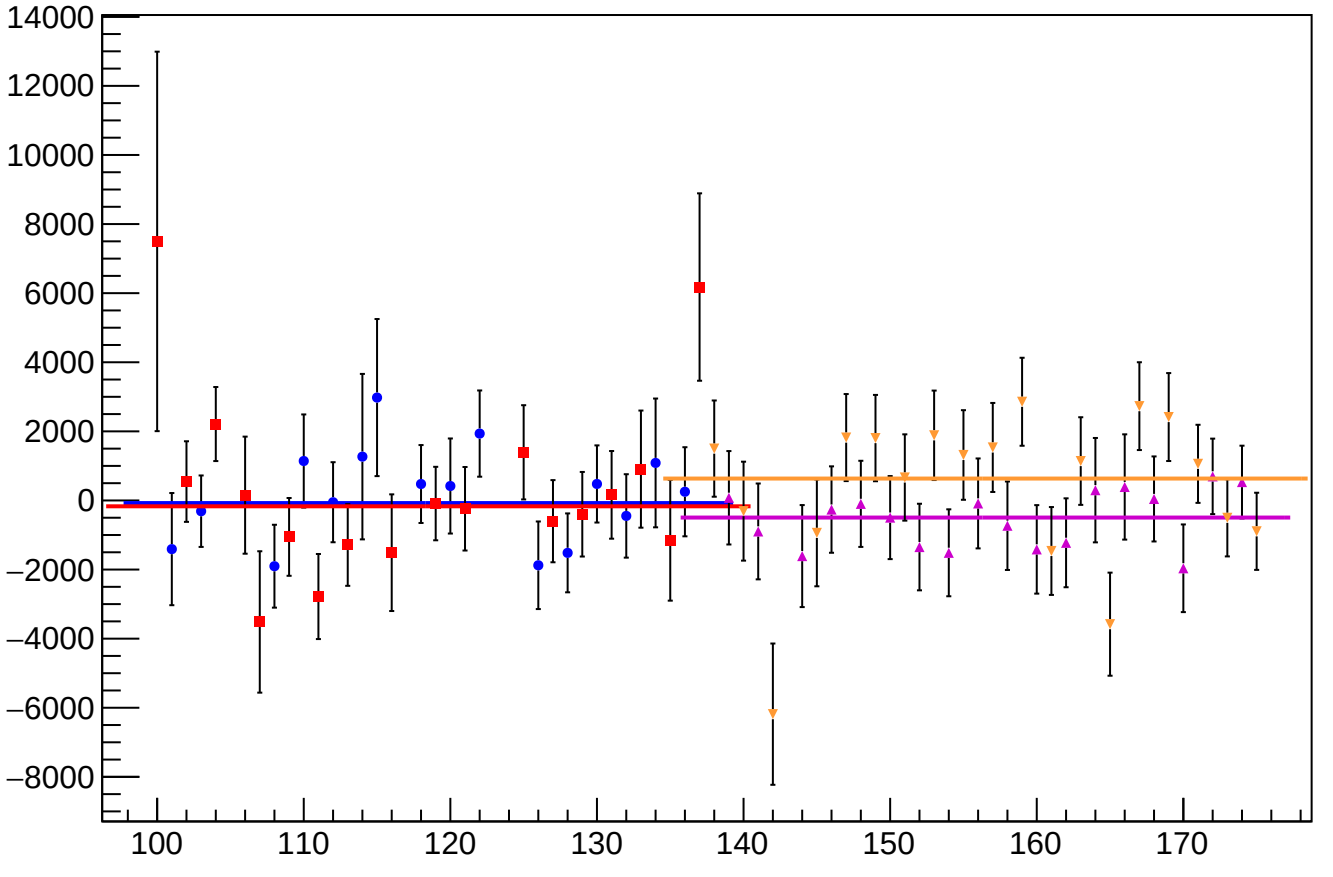
Left: 0.000+/-0.000 χ^2/NDF: 9402387.8/36

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3307792.6/33

Out: 0.000+/-0.000 χ^2/NDF:8713793.3/36

All: 0.000+/-0.000 χ^2/NDF: 13458730.3/70



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 634.032+/-297.533 χ^2/NDF:38.1/18

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -494.922+/-300.516 χ^2/NDF:7.3/17

Left: 75.185+/-211.434 χ^2/NDF: 52.6/36

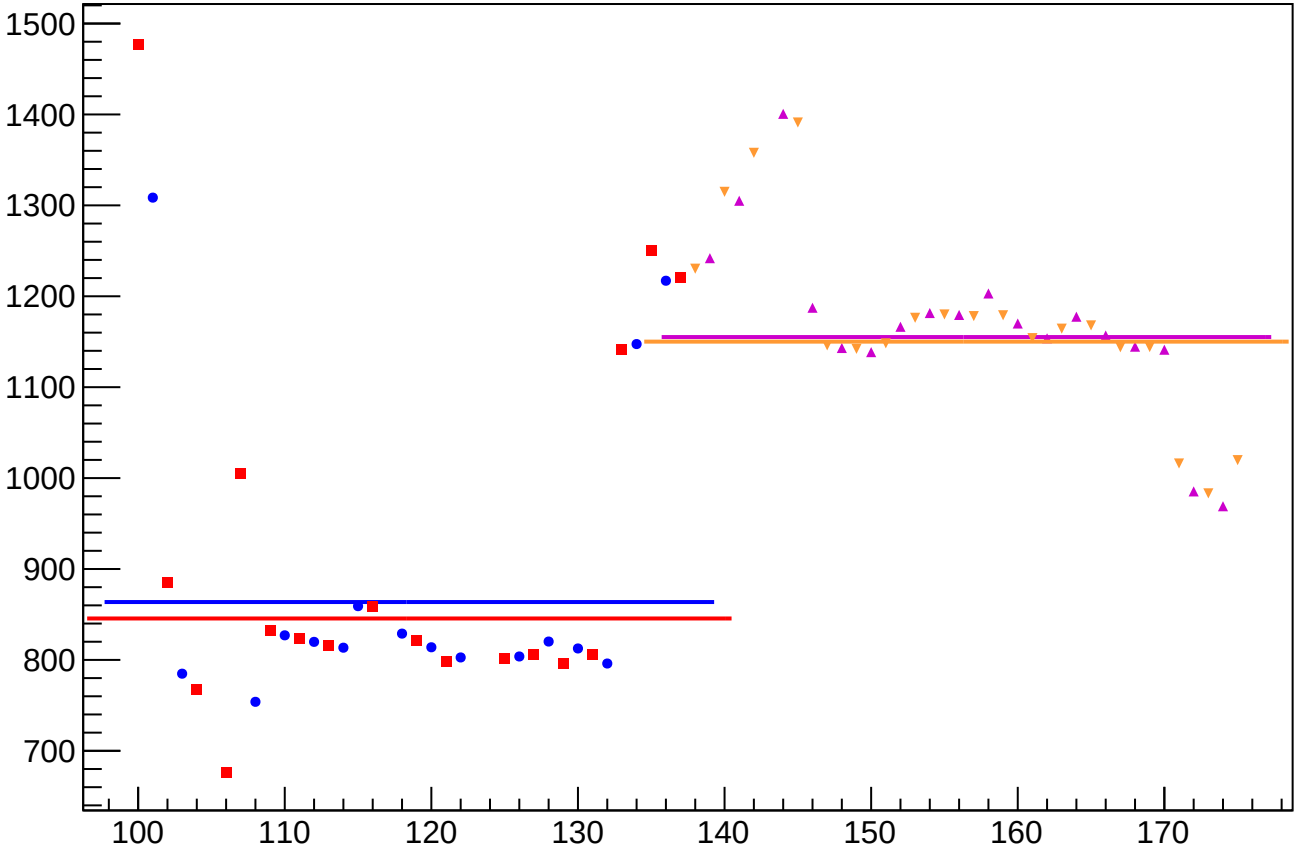
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -302.592+/-221.028 χ^2/NDF:21.6/33

Out: 263.807+/-218.472 χ^2/NDF:65.8/36

All: -16.099+/-155.379 χ^2/NDF: 90.7/70

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

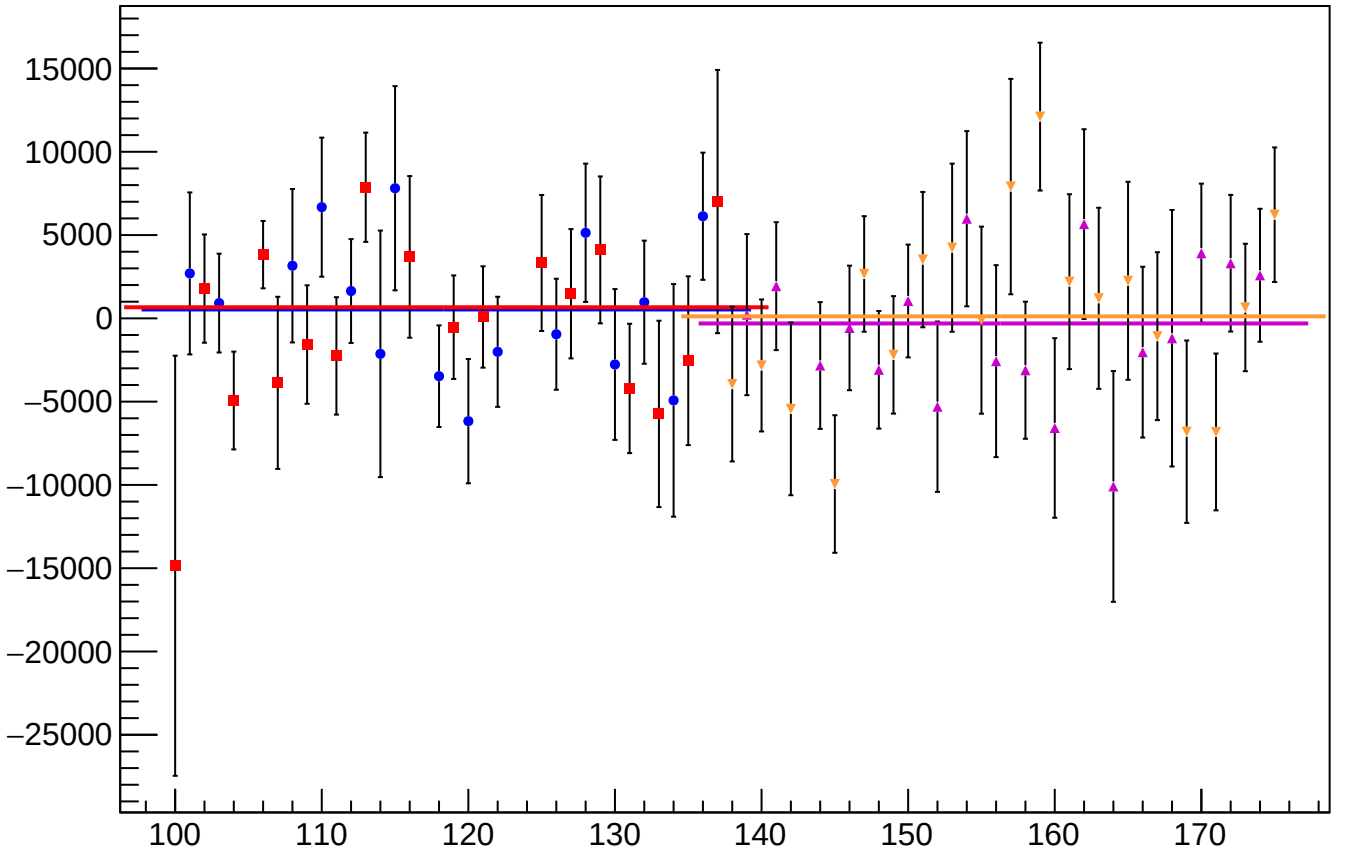
Left: 1152.604+/-0.150 χ^2/NDF: 412581.9/36

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1021.342+/-0.156 χ^2/NDF:1476492.7/33

Out: 1007.888+/-0.154 χ^2/NDF:1493329.4/36

All: 1014.498+/-0.110 χ^2/NDF: 2973592.2/70



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 120.302+/-1041.712 χ^2/NDF:26.0/18

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -306.826+/-1052.567 χ^2/NDF:11.5/17

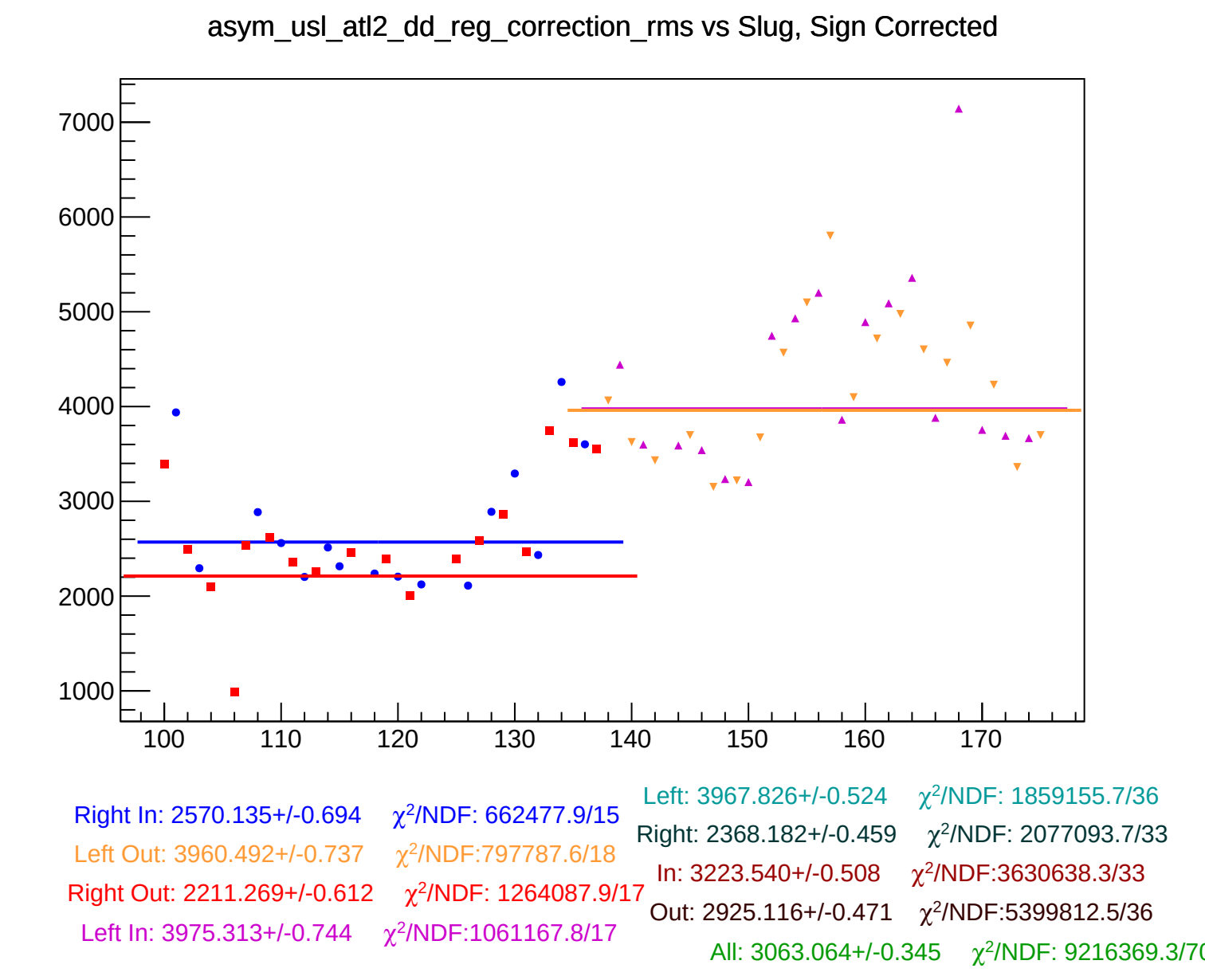
Left: -91.048+/-740.409 χ^2/NDF: 37.5/36

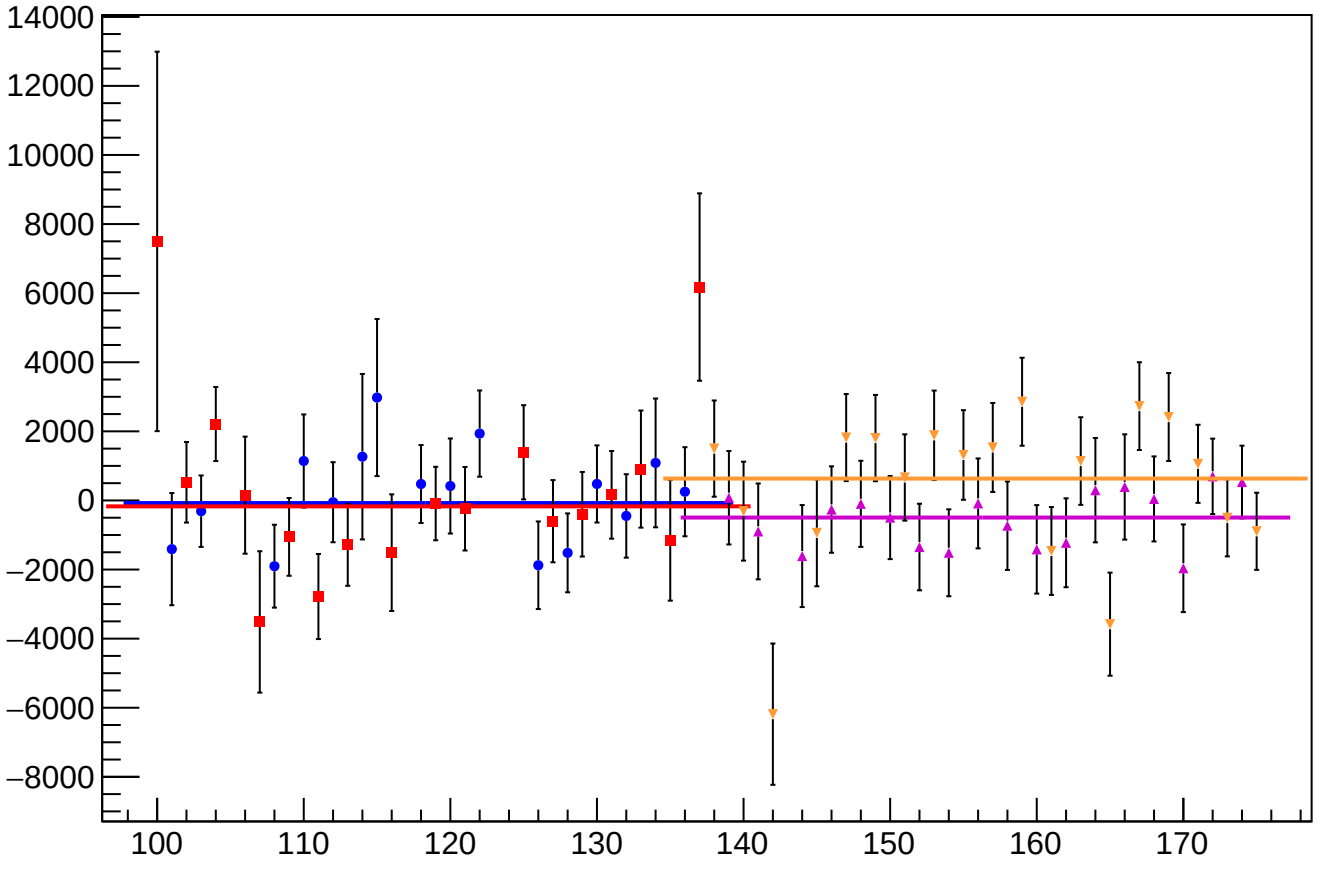
Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 143.289+/-717.753 χ^2/NDF:26.5/33

Out: 443.232+/-665.469 χ^2/NDF:46.1/36

All: 304.582+/-487.996 χ^2/NDF: 72.6/70


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 2570.135+/-0.694 χ²/NDF: 662477.9/15
Left Out: 3960.492+/-0.737 χ²/NDF:797787.6/18
Right Out: 2211.269+/-0.612 χ²/NDF: 1264087.9/17
Left In: 3975.313+/-0.744 χ²/NDF:1061167.8/17
Left: 3967.826+/-0.524 χ²/NDF: 1859155.7/36
Right: 2368.182+/-0.459 χ²/NDF: 2077093.7/33
In: 3223.540+/-0.508 χ²/NDF:3630638.3/33
Out: 2925.116+/-0.471 χ²/NDF:5399812.5/36
All: 3063.064+/-0.345 χ²/NDF: 9216369.3/70



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -494.907+/-300.516 χ^2/NDF:7.3/17

Left: 75.191+/-211.434 χ^2/NDF: 52.6/36

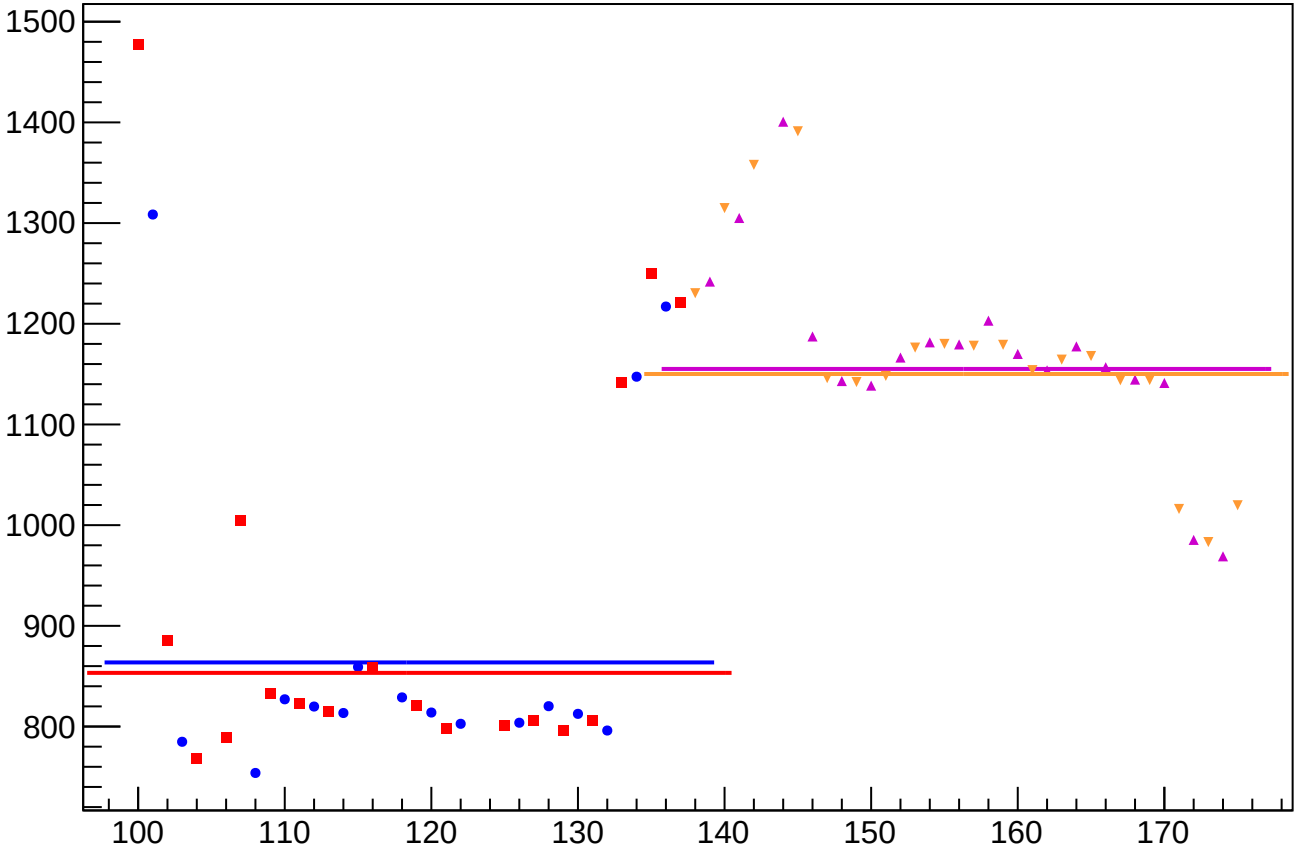
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -302.620+/-221.028 χ^2/NDF:21.6/33

Out: 263.058+/-218.474 χ^2/NDF:65.8/36

All: -16.493+/-155.379 χ^2/NDF: 90.7/70

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

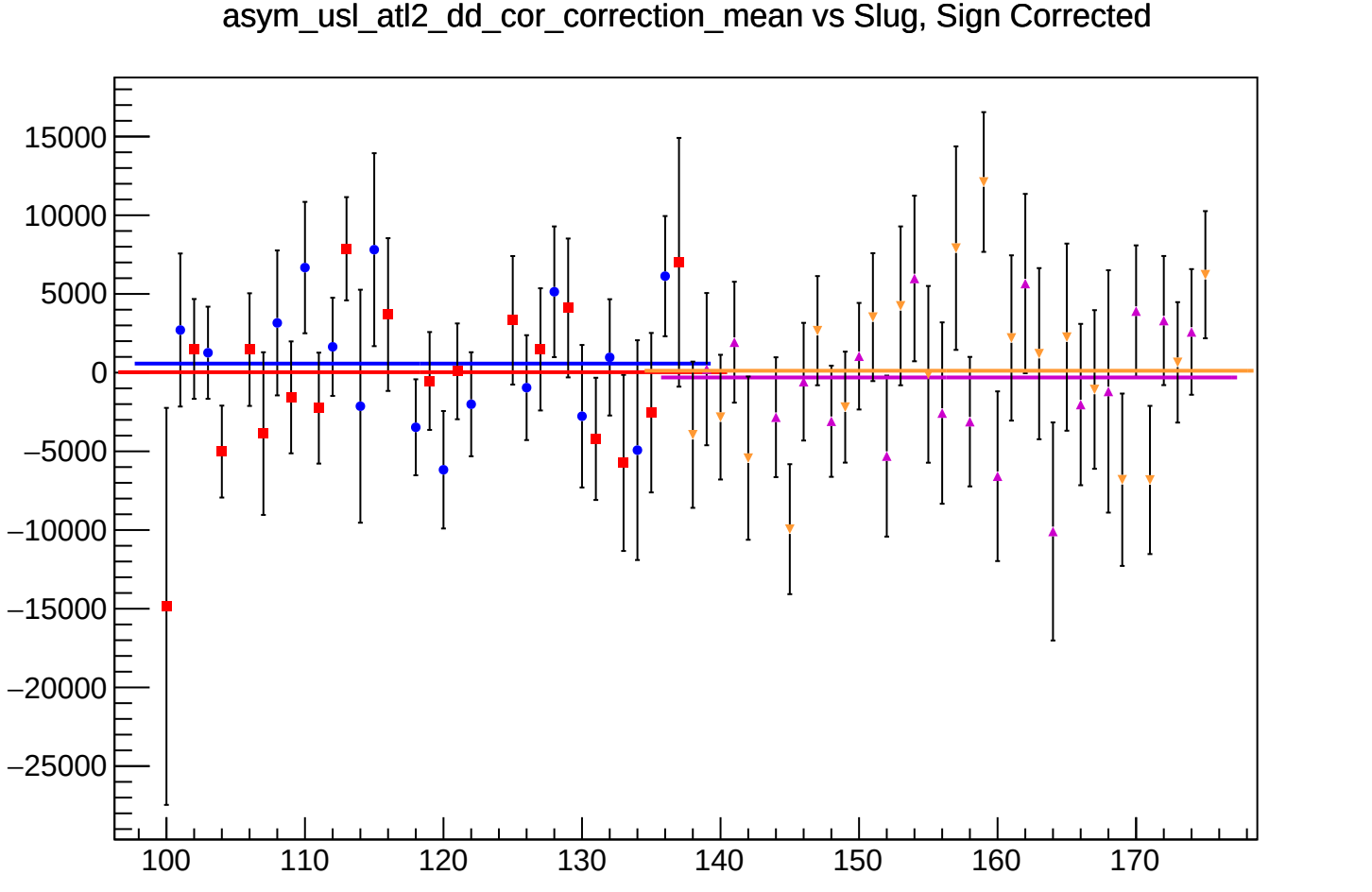
Left: 1152.604+/-0.150 χ^2/NDF: 412581.9/36

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1021.342+/-0.156 χ^2/NDF:1476492.8/33

Out: 1012.563+/-0.154 χ^2/NDF:1404785.1/36

All: 1016.891+/-0.110 χ^2/NDF: 2882877.8/70



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -306.860+/-1052.566 χ^2/NDF:11.5/17

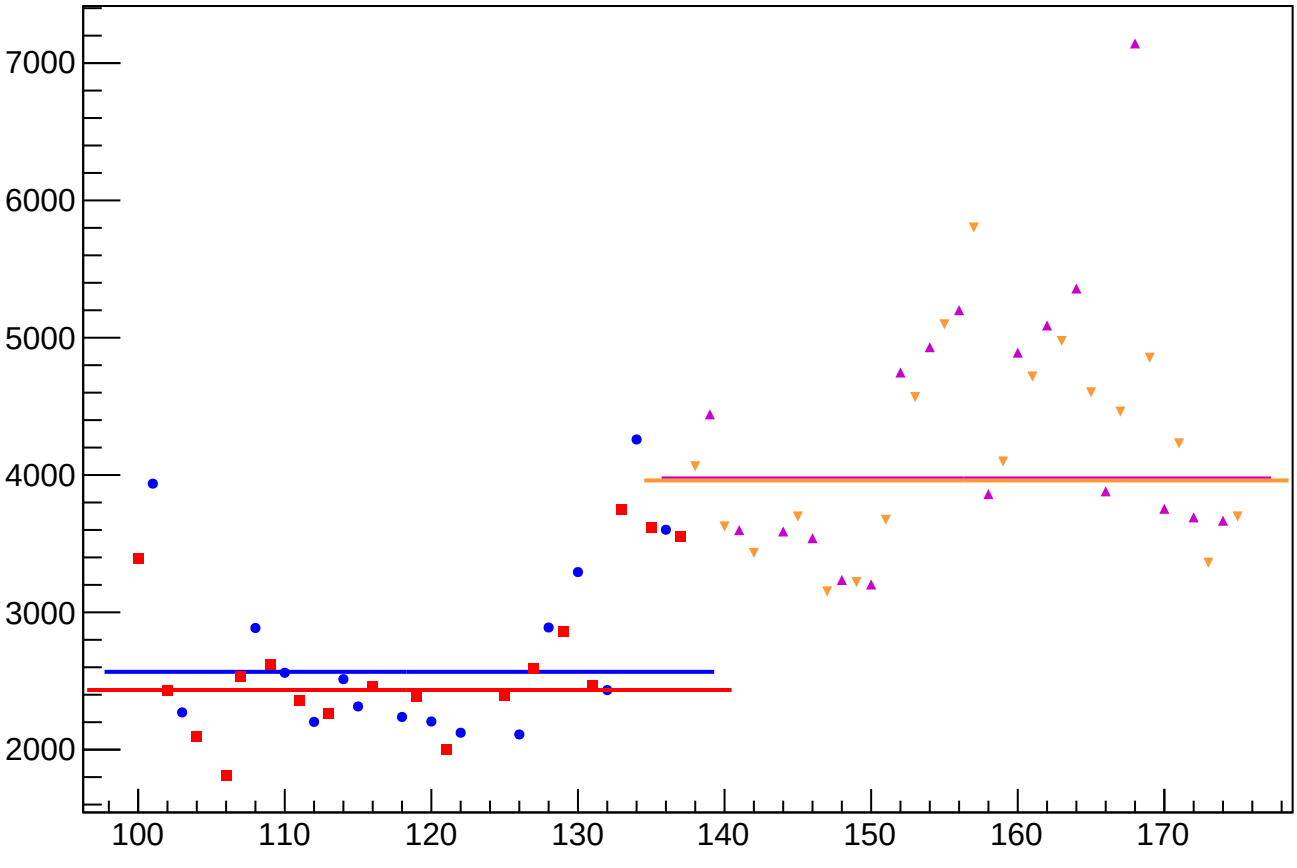
Left: -91.062+/-740.409 χ^2/NDF: 37.5/36

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 165.559+/-717.191 χ^2/NDF:26.5/33

Out: 68.892+/-690.463 χ^2/NDF:43.2/36

All: 115.390+/-497.412 χ^2/NDF: 69.7/70



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

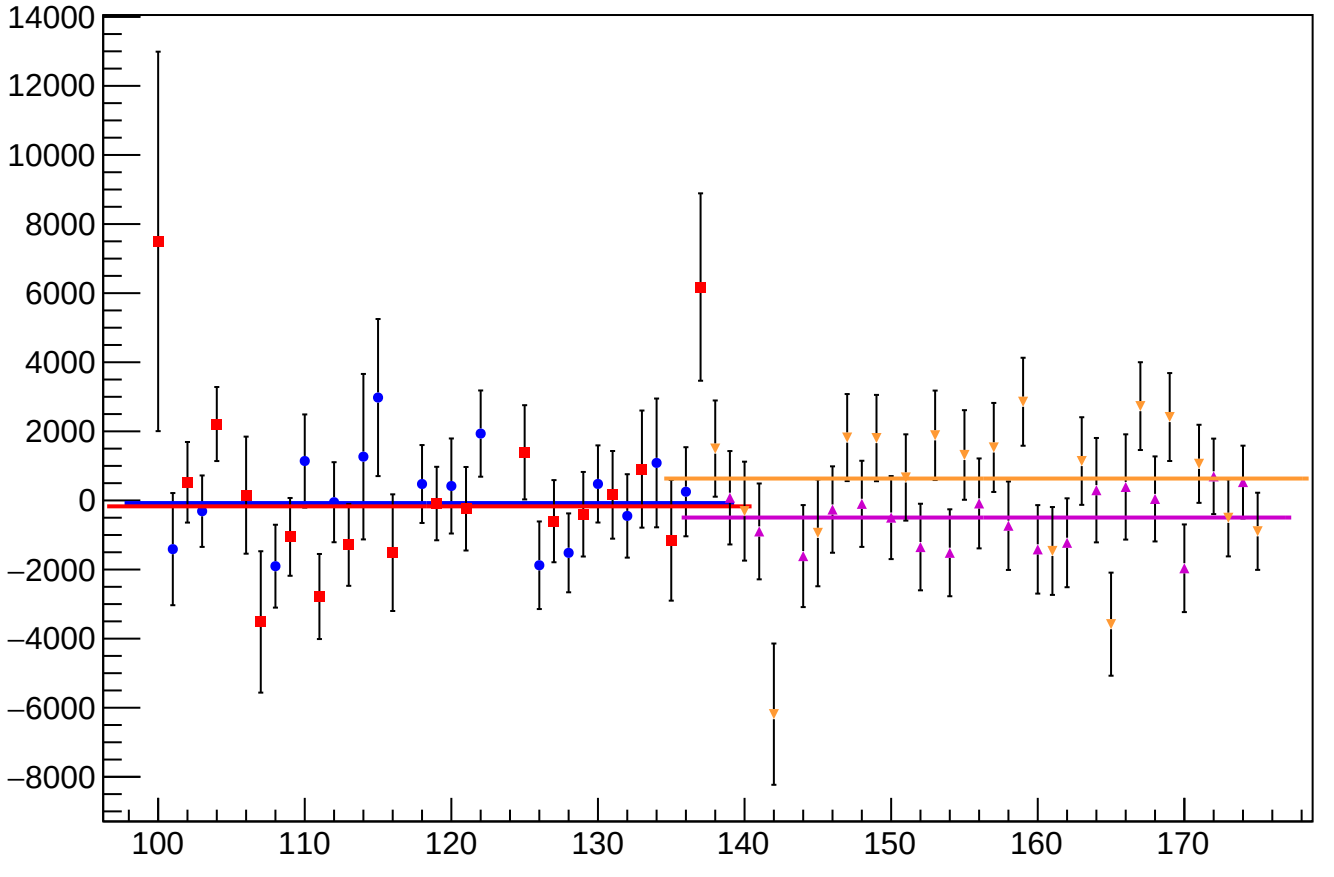
Left: 3967.824+/-0.524 χ^2/NDF: 1859155.3/36

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3220.693+/-0.507 χ^2/NDF:3645877.3/33

Out: 3104.868+/-0.488 χ^2/NDF:3638392.4/36

All: 3160.582+/-0.352 χ^2/NDF: 7311341.5/70



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -494.907+/-300.516 χ^2/NDF:7.3/17

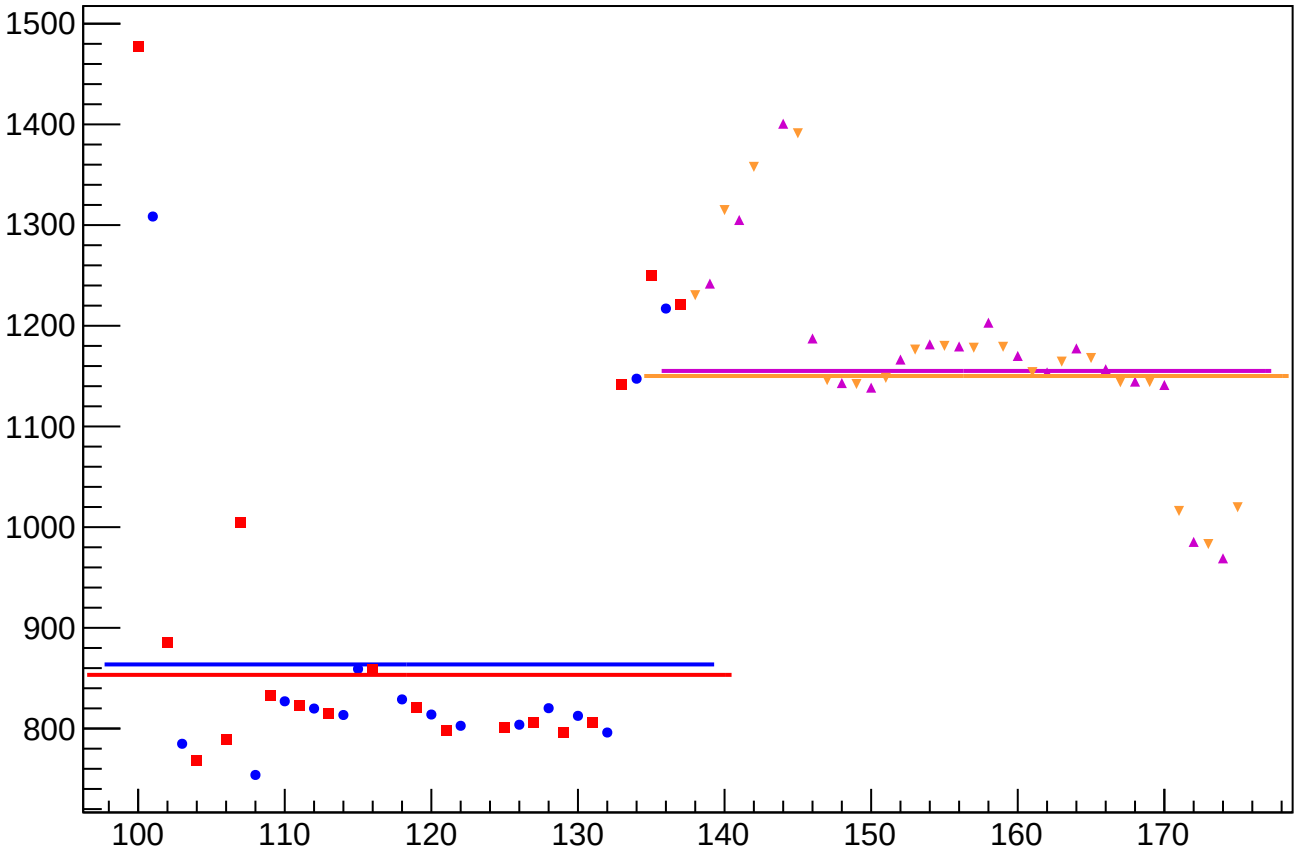
Left: 75.191+/-211.434 χ^2/NDF: 52.6/36

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -302.620+/-221.028 χ^2/NDF:21.6/33

Out: 263.058+/-218.474 χ^2/NDF:65.8/36

All: -16.493+/-155.379 χ^2/NDF: 90.7/70



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

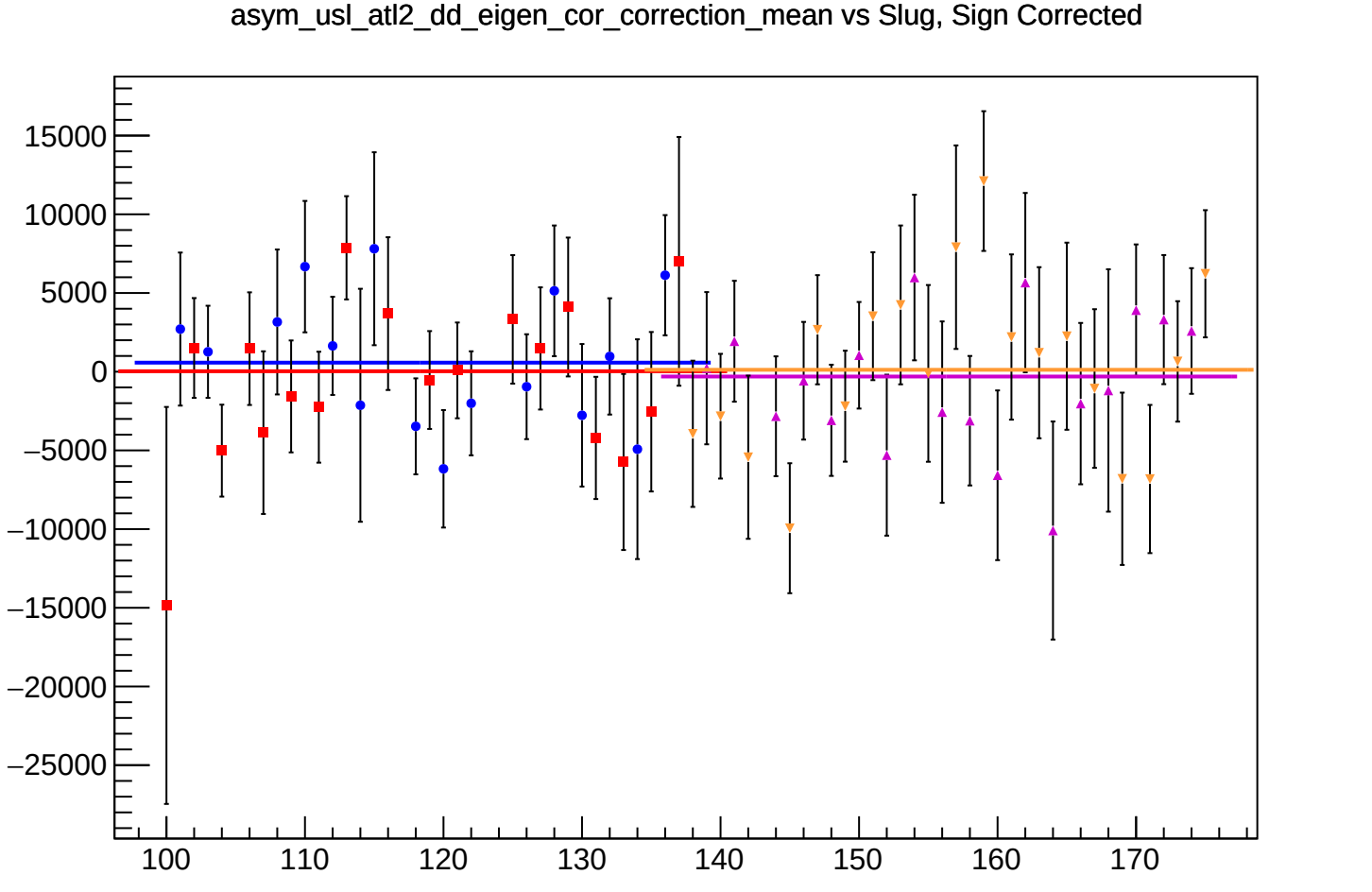
Left: 1152.604+/-0.150 χ^2/NDF: 412581.9/36

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1021.342+/-0.156 χ^2/NDF:1476492.8/33

Out: 1012.563+/-0.154 χ^2/NDF:1404785.1/36

All: 1016.891+/-0.110 χ^2/NDF: 2882877.8/70



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -306.860+/-1052.566 χ^2/NDF:11.5/17

Left: -91.062+/-740.409 χ^2/NDF: 37.5/36

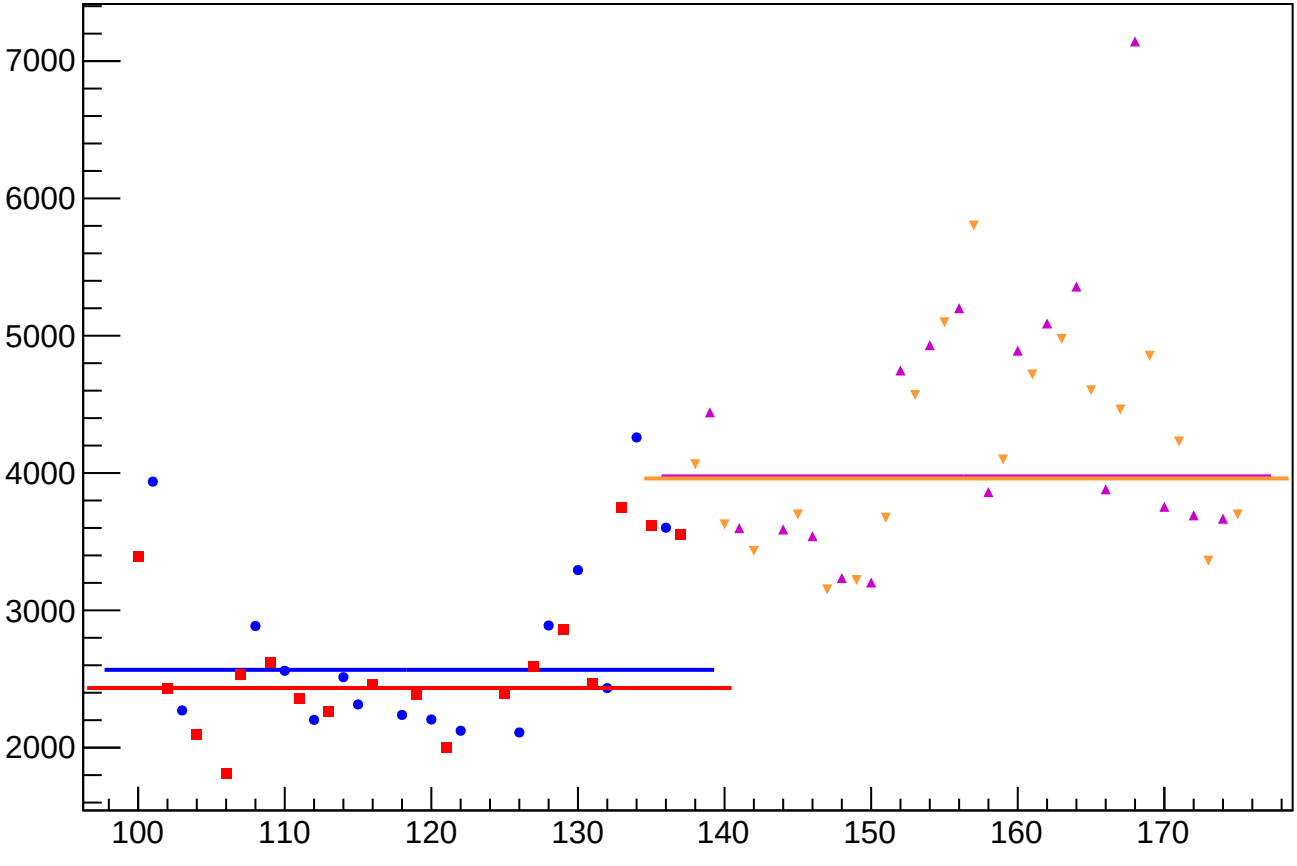
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 165.559+/-717.191 χ^2/NDF:26.5/33

Out: 68.892+/-690.463 χ^2/NDF:43.2/36

All: 115.390+/-497.412 χ^2/NDF: 69.7/70

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

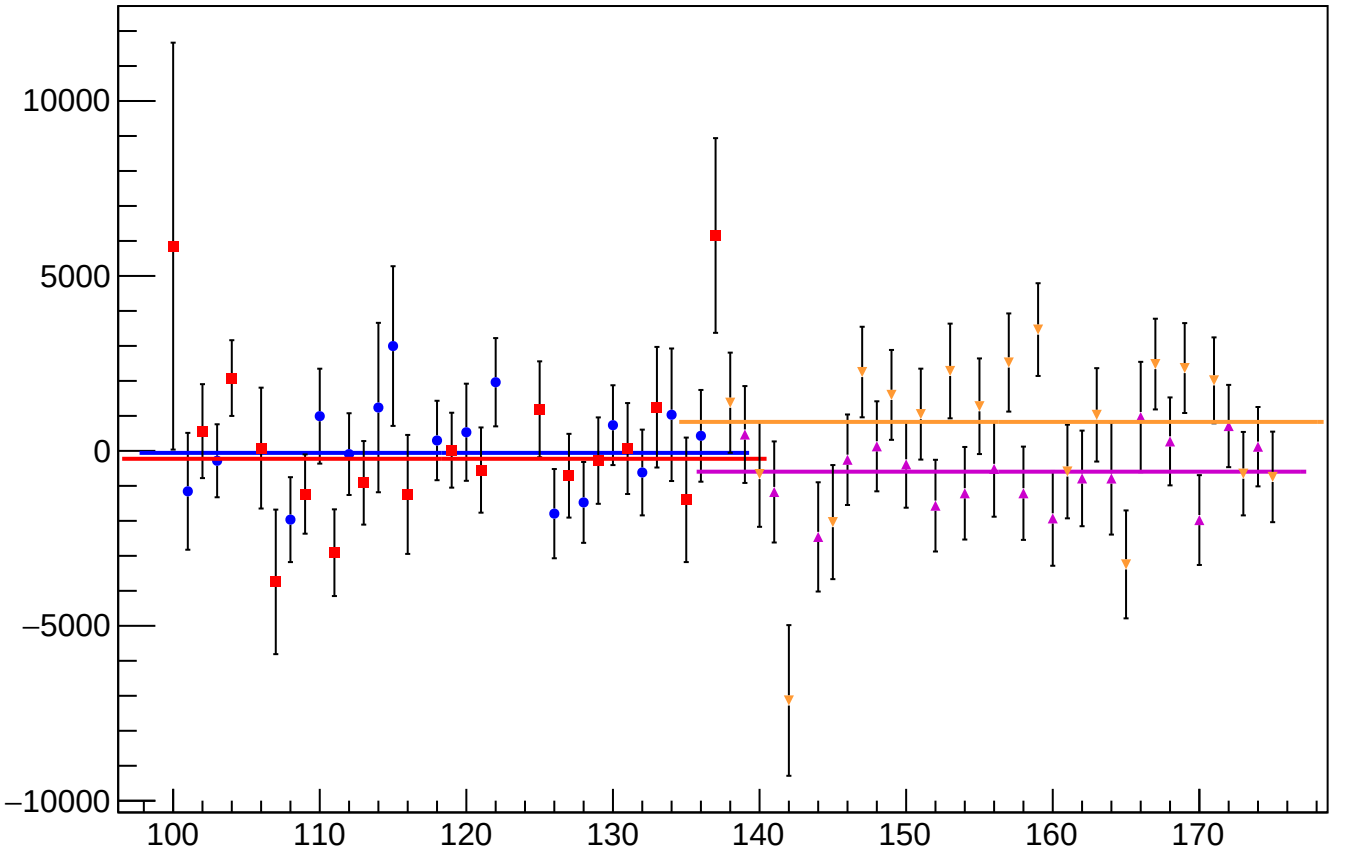
Left: 3967.824+/-0.524 χ^2/NDF: 1859155.3/36

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3220.693+/-0.507 χ^2/NDF:3645877.3/33

Out: 3104.868+/-0.488 χ^2/NDF:3638392.4/36

All: 3160.582+/-0.352 χ^2/NDF: 7311341.5/70



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -594.625+/-314.212 χ^2/NDF:8.8/17

Left: 118.536+/-221.915 χ^2/NDF: 60.4/36

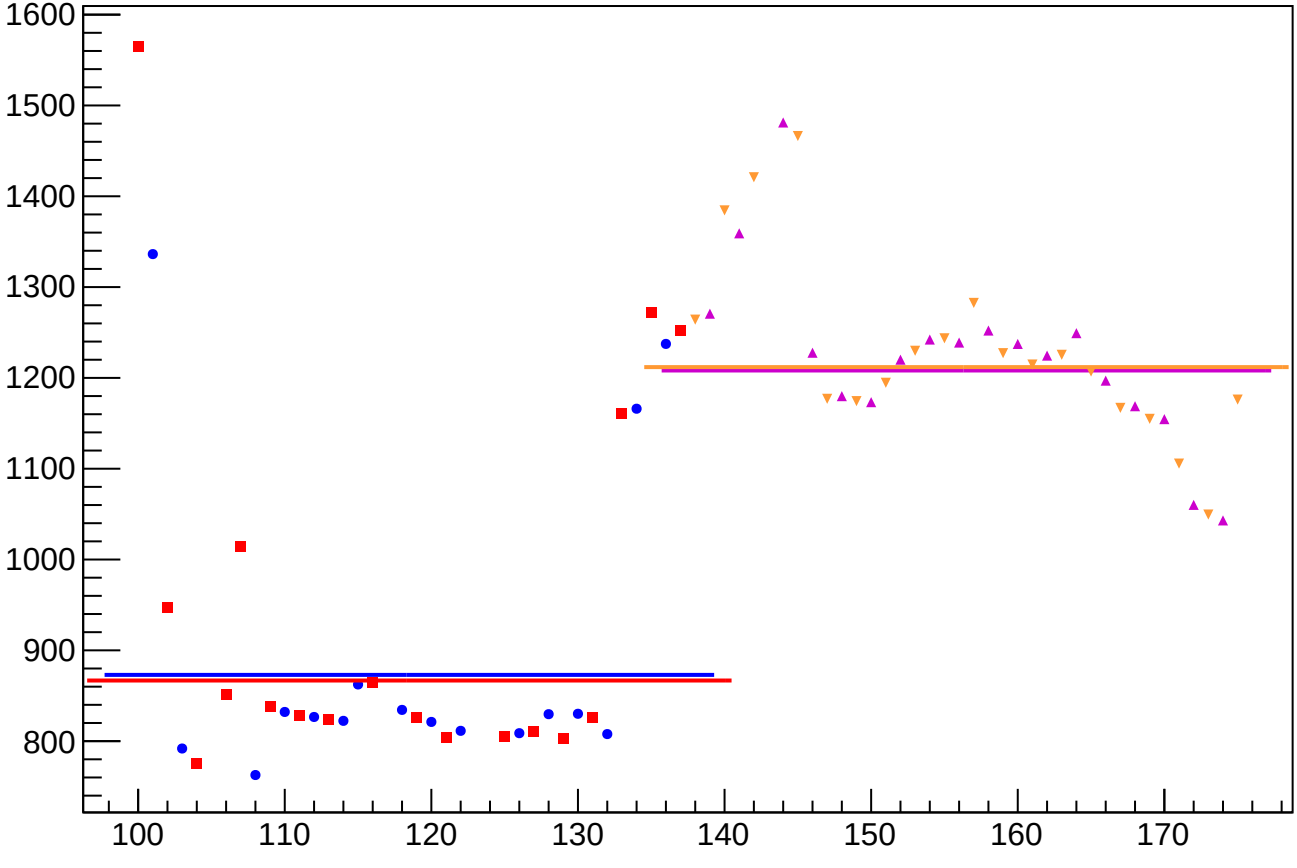
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -339.151+/-227.587 χ^2/NDF:23.2/33

Out: 325.105+/-226.638 χ^2/NDF:69.6/36

All: -5.636+/-160.592 χ^2/NDF: 97.1/70

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166819.7/18

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1208.164+/-0.222 χ^2/NDF:176945.0/17

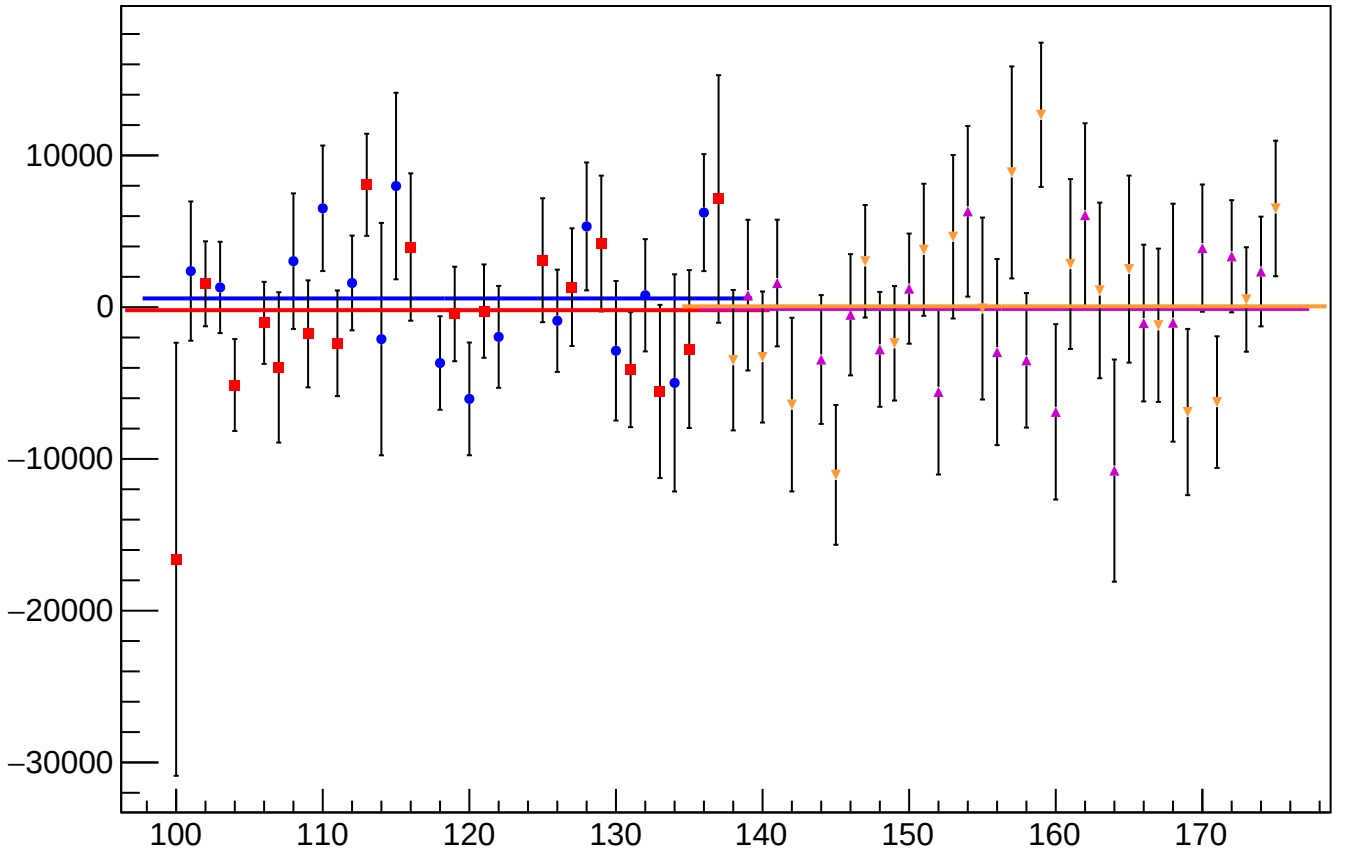
Left: 1210.024+/-0.157 χ^2/NDF: 343904.6/36

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.822+/-0.161 χ^2/NDF:1675998.4/33

Out: 1047.008+/-0.160 χ^2/NDF:1615318.4/36

All: 1047.911+/-0.114 χ^2/NDF: 3291380.6/70



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 54.160+/-1085.003 χ^2/NDF:25.8/18

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -115.271+/-1090.319 χ^2/NDF:11.4/17

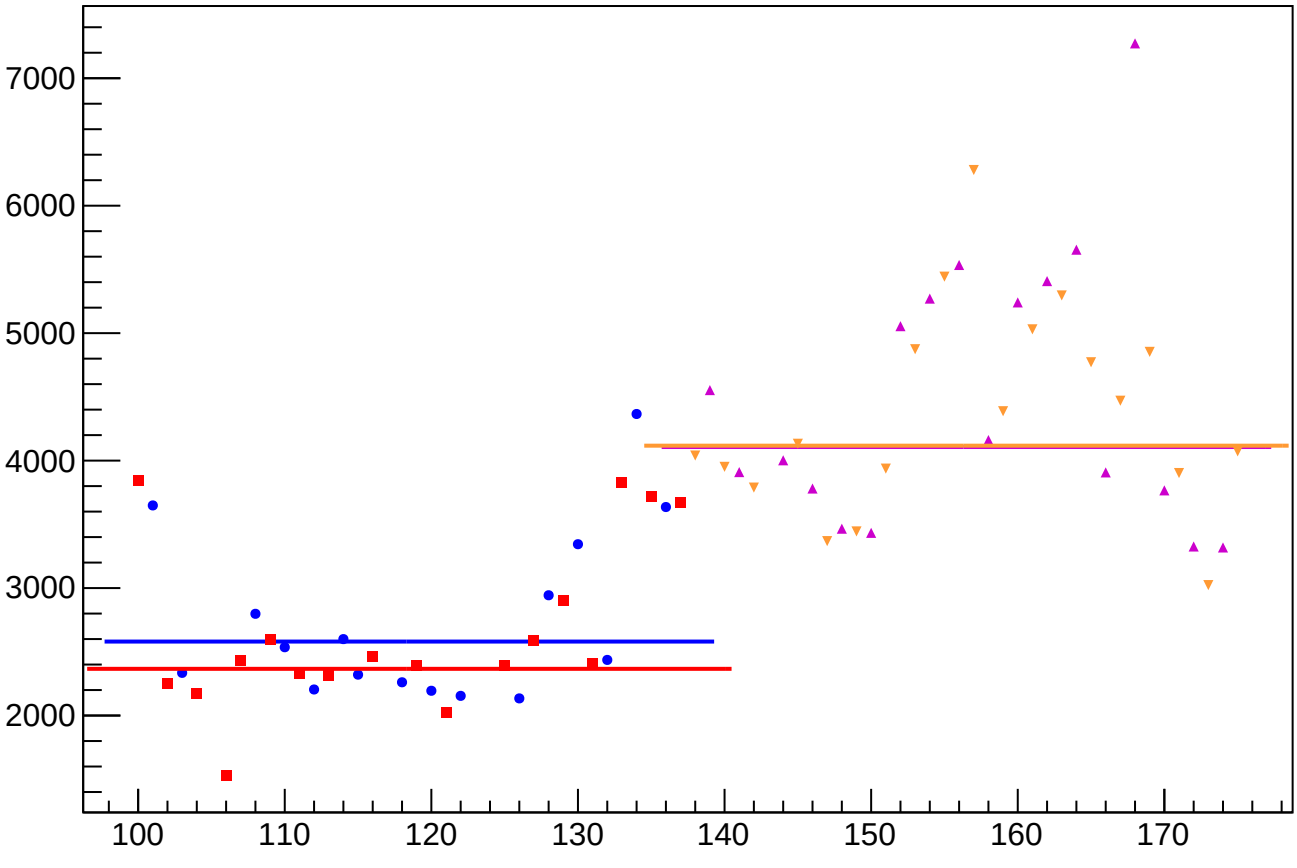
Left: -30.141+/-769.085 χ^2/NDF: 37.2/36

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 264.993+/-730.860 χ^2/NDF:26.3/33

Out: -95.988+/-690.015 χ^2/NDF:43.0/36

All: 74.134+/-501.733 χ^2/NDF: 69.4/70



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4117.207+/-0.767 χ^2/NDF:906249.6/18

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4106.626+/-0.771 χ^2/NDF:1202350.3/17

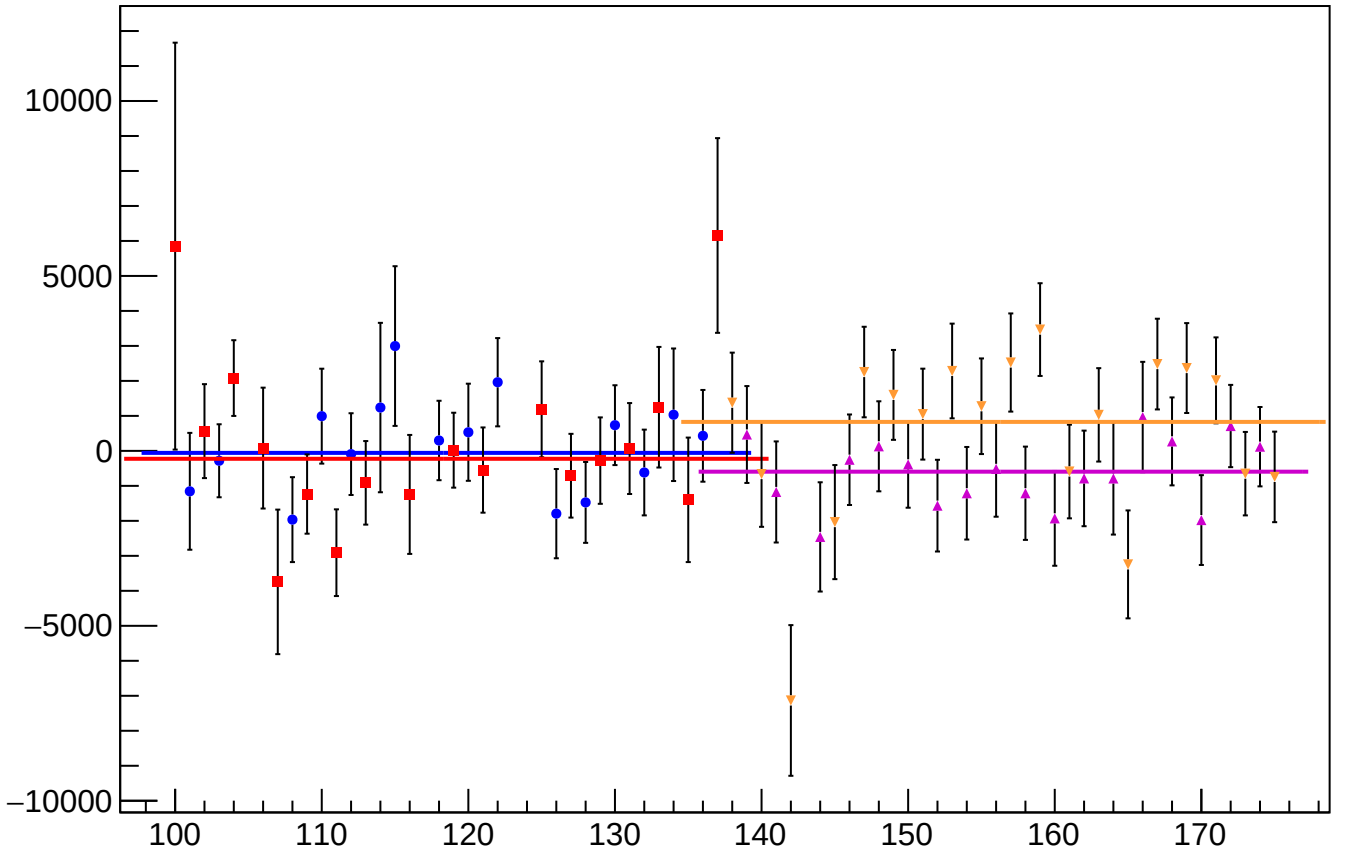
Left: 4111.942+/-0.544 χ^2/NDF: 2108694.6/36

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3266.160+/-0.517 χ^2/NDF:3977590.6/33

Out: 3074.506+/-0.488 χ^2/NDF:4619383.5/36

All: 3164.828+/-0.355 χ^2/NDF: 8669689.2/70



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -594.622+/-314.212 χ^2/NDF:8.8/17

Left: 118.537+/-221.915 χ^2/NDF: 60.4/36

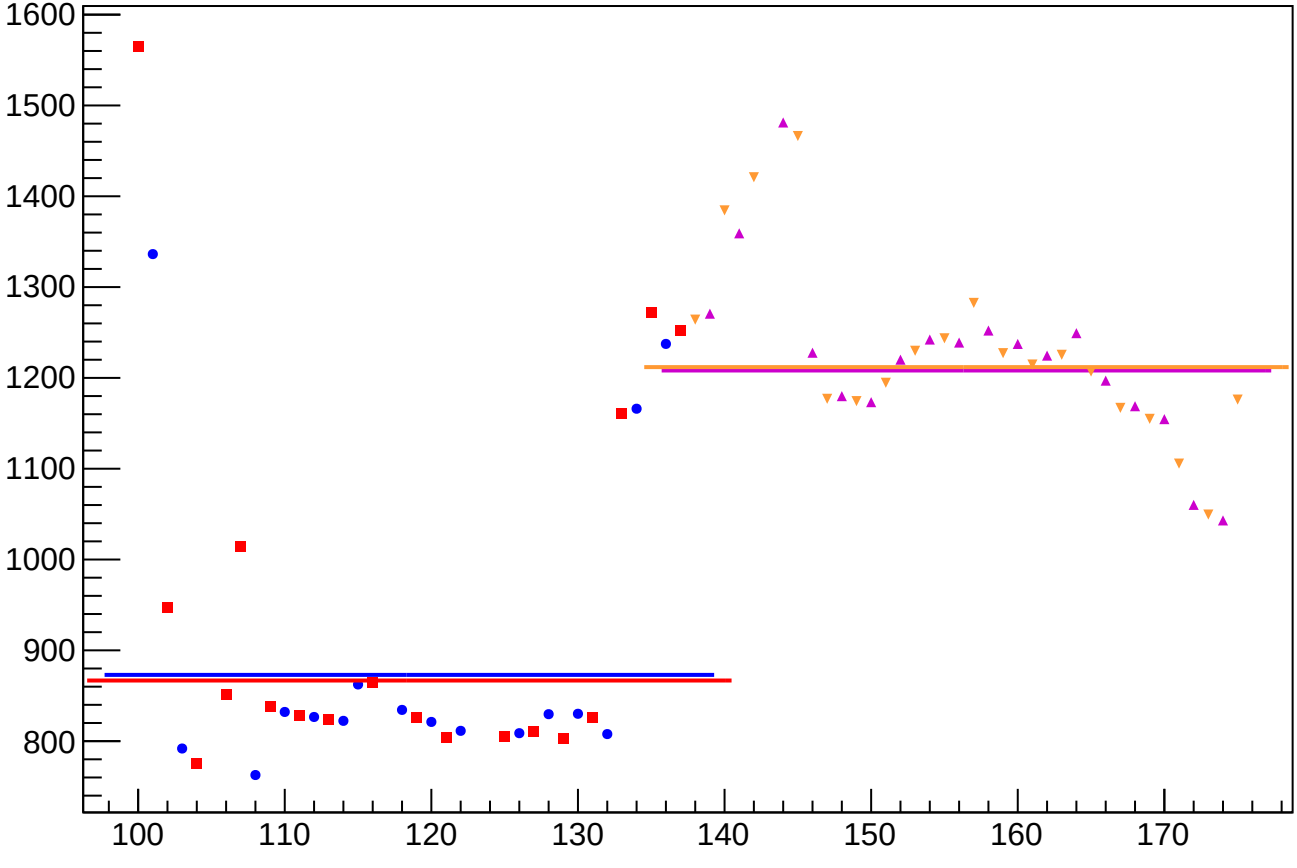
Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -339.151+/-227.587 χ^2/NDF:23.2/33

Out: 325.103+/-226.638 χ^2/NDF:69.6/36

All: -5.637+/-160.592 χ^2/NDF: 97.1/70

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166826.7/18

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1208.164+/-0.222 χ^2/NDF:176951.9/17

Left: 1210.024+/-0.157 χ^2/NDF: 343918.5/36

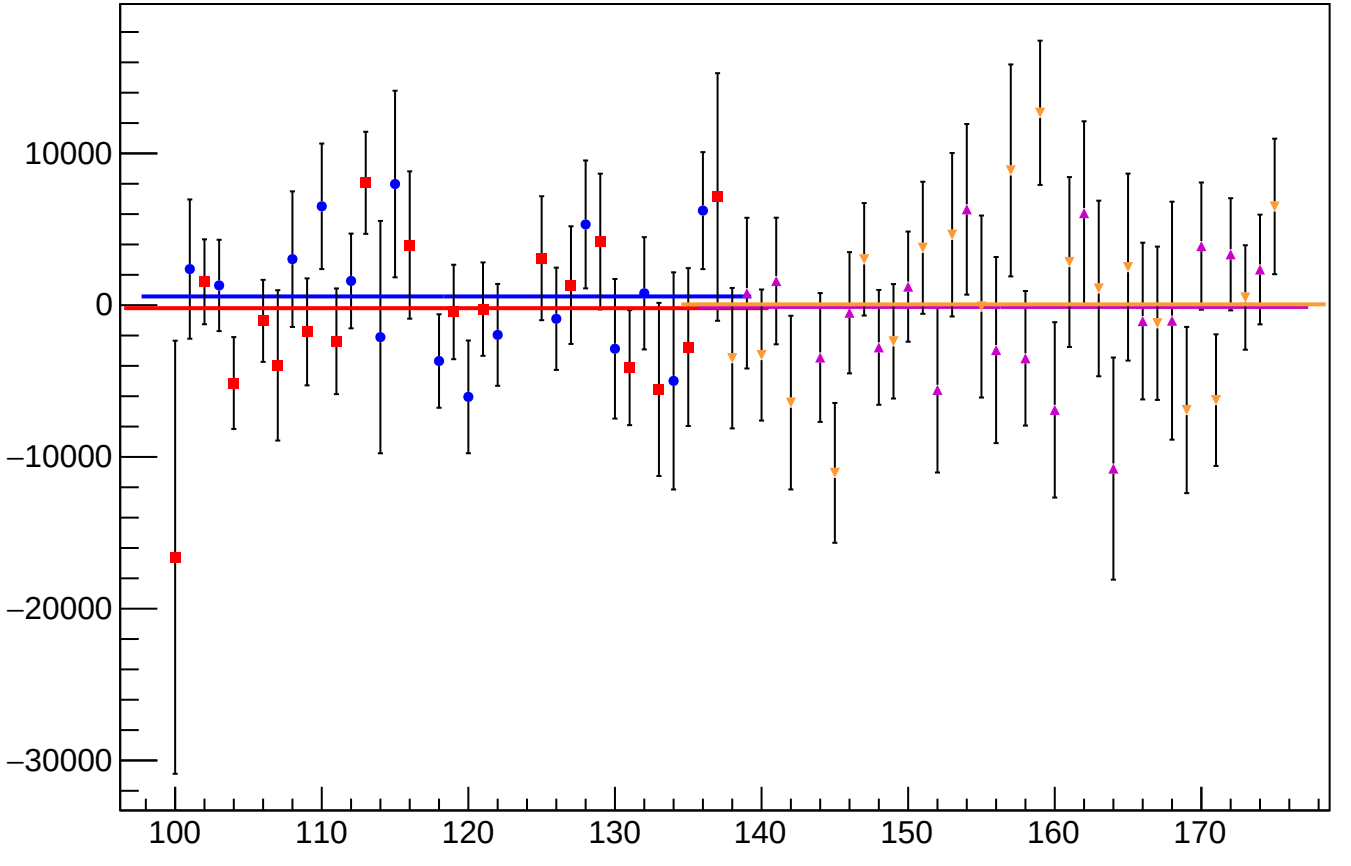
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.822+/-0.161 χ^2/NDF:1676005.4/33

Out: 1047.008+/-0.160 χ^2/NDF:1615326.2/36

All: 1047.911+/-0.114 χ^2/NDF: 3291395.5/70

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 54.161+/-1085.005 χ^2/NDF:25.8/18

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -115.271+/-1090.320 χ^2/NDF:11.4/17

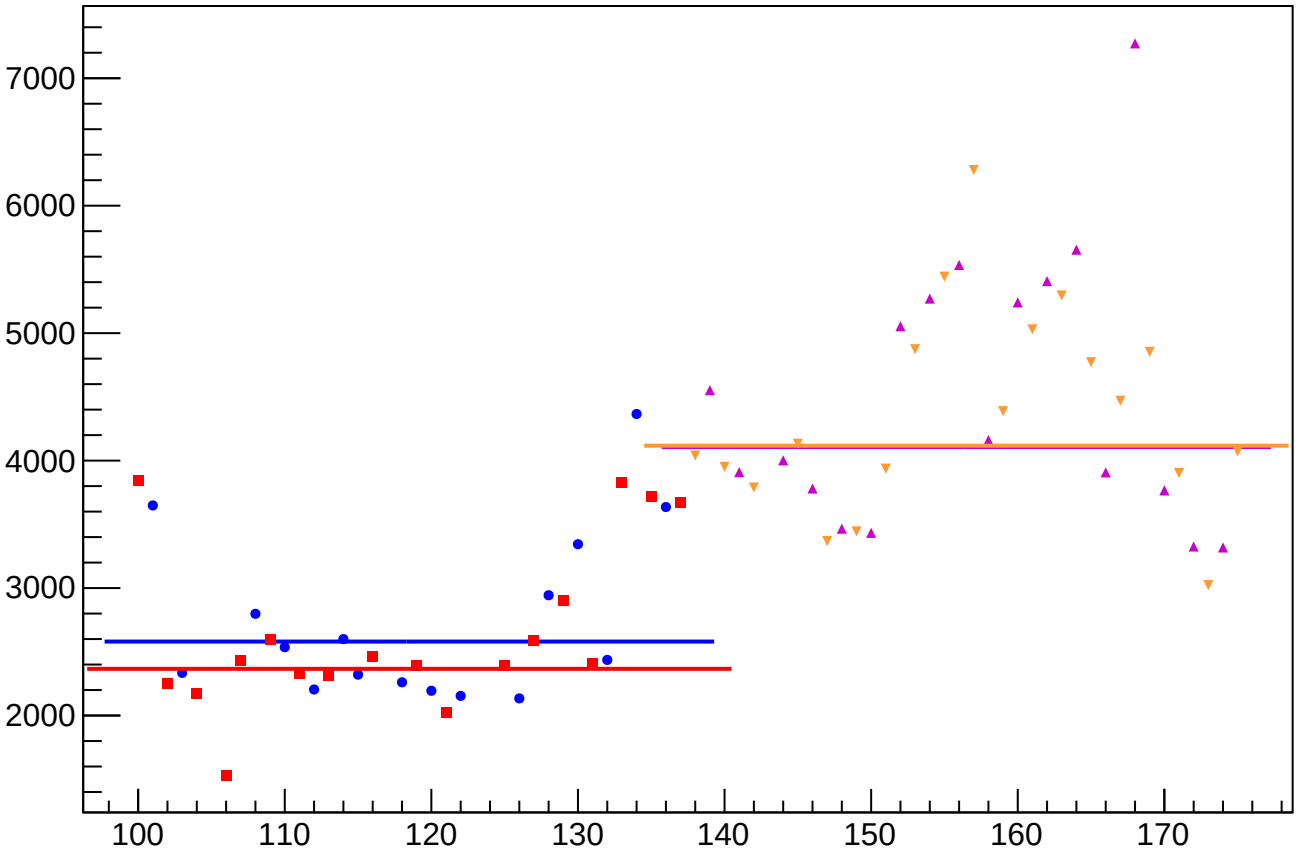
Left: -30.141+/-769.087 χ^2/NDF: 37.2/36

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 264.992+/-730.859 χ^2/NDF:26.3/33

Out: -95.989+/-690.015 χ^2/NDF:43.0/36

All: 74.133+/-501.732 χ^2/NDF: 69.4/70



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4117.215+/-0.767 χ^2/NDF:906247.7/18

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4106.633+/-0.771 χ^2/NDF:1202350.0/17

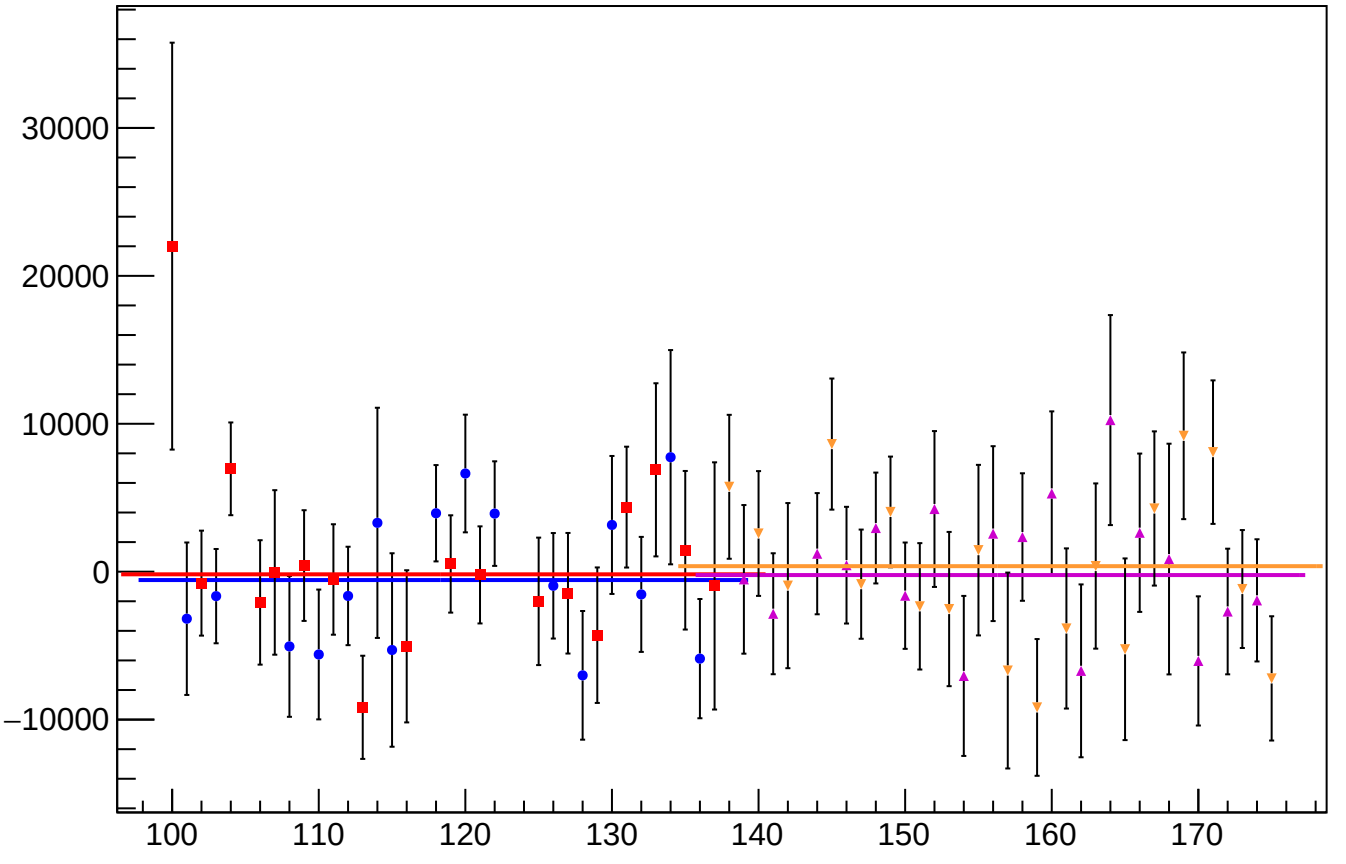
Left: 4111.950+/-0.544 χ^2/NDF: 2108692.3/36

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3266.155+/-0.517 χ^2/NDF:3977642.9/33

Out: 3074.501+/-0.488 χ^2/NDF:4619437.9/36

All: 3164.823+/-0.355 χ^2/NDF: 8669795.9/70



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 372.537+/-1090.775 χ^2/NDF:22.6/18

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -228.539+/-1101.675 χ^2/NDF:11.3/17

Left: 74.988+/-775.120 χ^2/NDF: 34.1/36

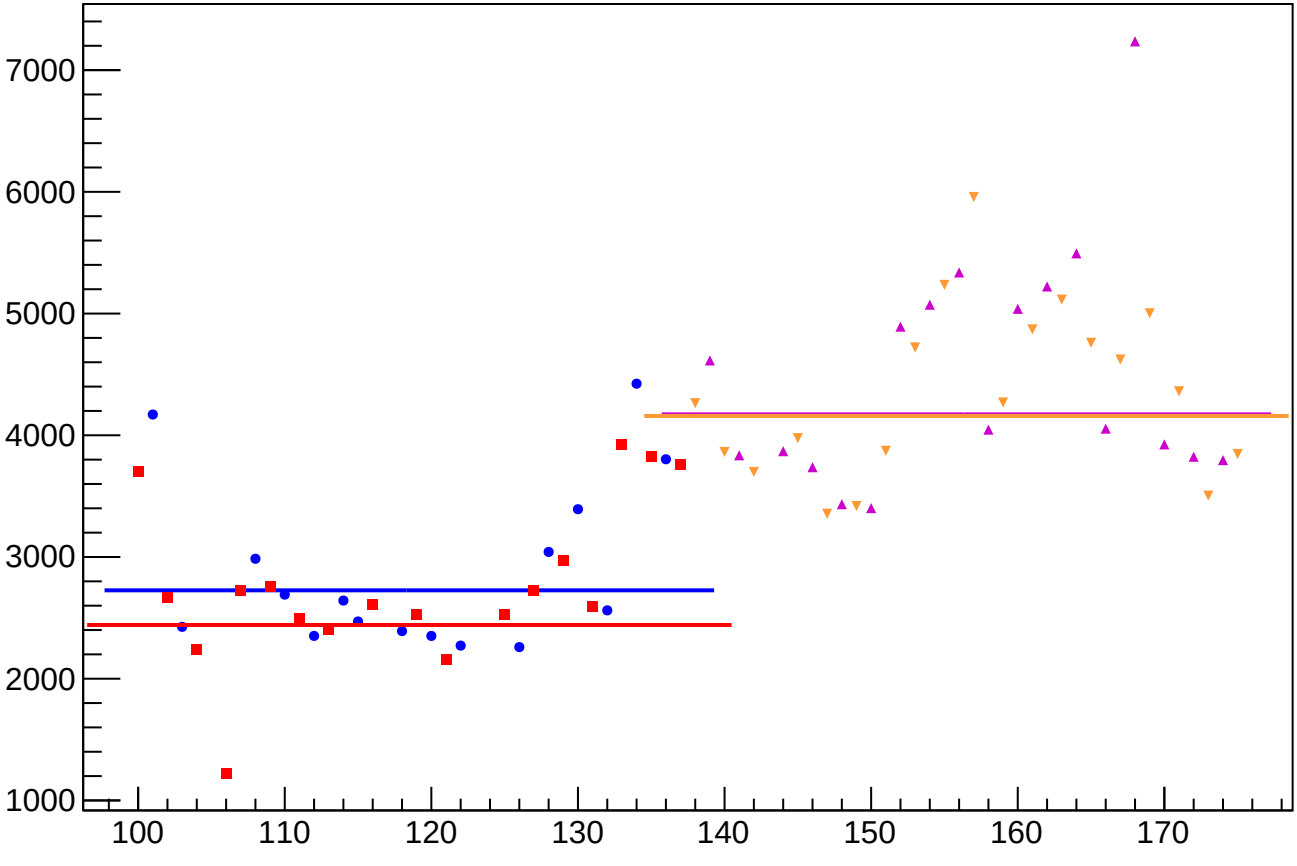
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -406.980+/-756.376 χ^2/NDF:27.6/33

Out: 69.903+/-732.427 χ^2/NDF:42.3/36

All: -160.869+/-526.167 χ^2/NDF: 70.1/70

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4158.571+/-0.771 χ^2/NDF:692753.0/18

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4171.777+/-0.779 χ^2/NDF:935158.6/17

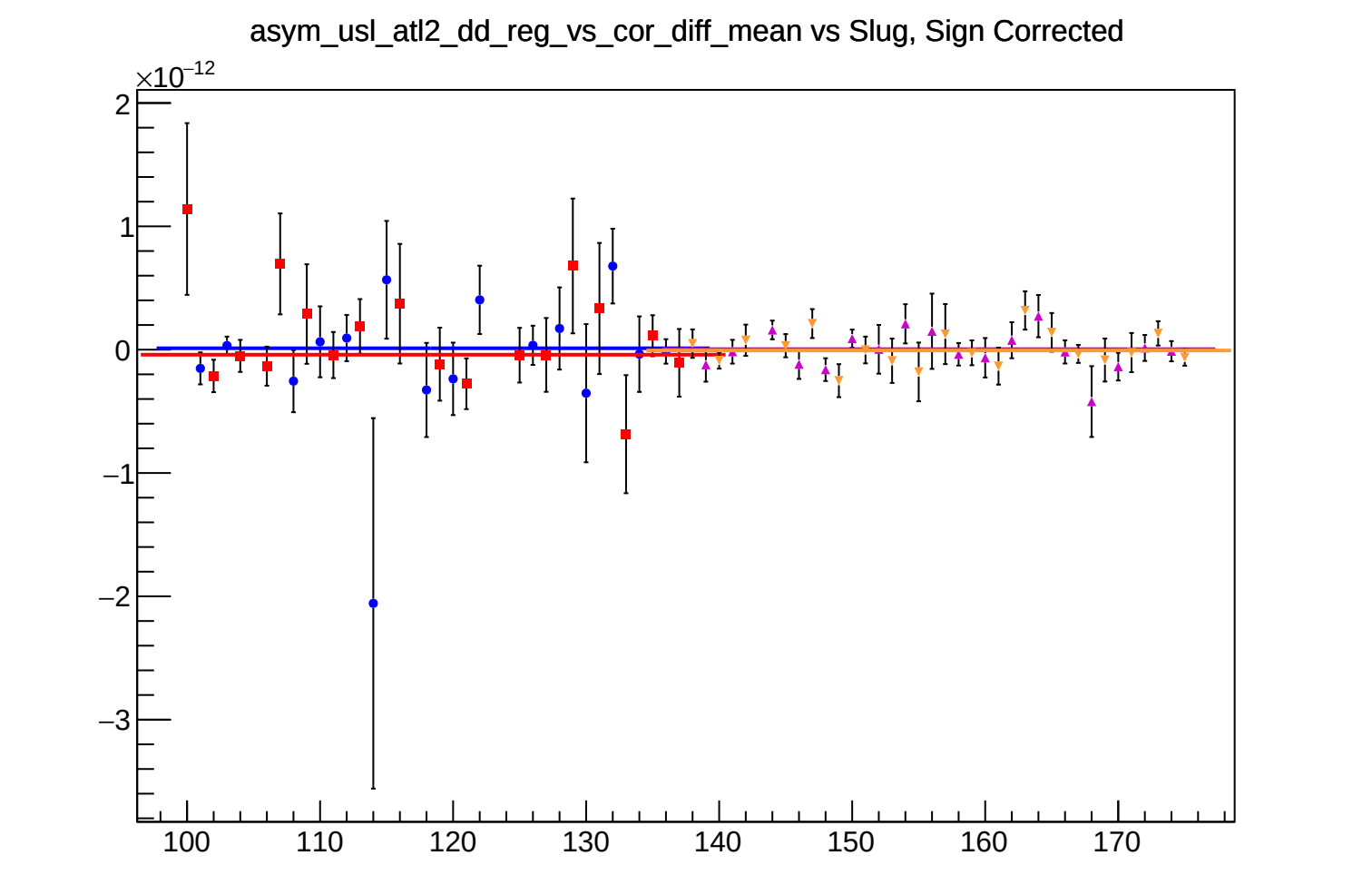
Left: 4165.109+/-0.548 χ^2/NDF: 1628056.7/36

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3407.627+/-0.535 χ^2/NDF:3378499.5/33

Out: 3176.025+/-0.504 χ^2/NDF:4420076.2/36

All: 3285.069+/-0.367 χ^2/NDF: 7897805.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.6/17

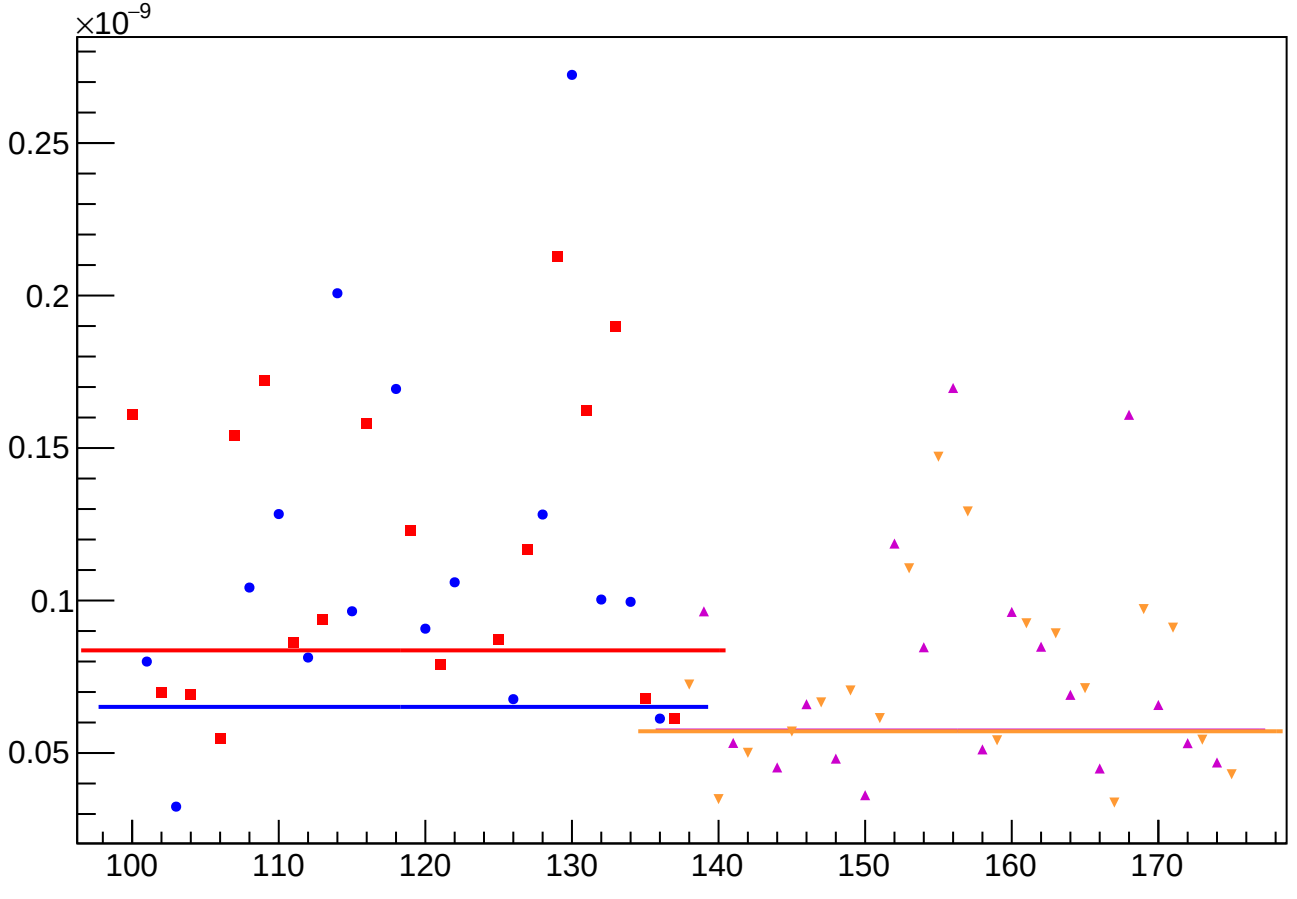
Left: -0.000+/-0.000 χ^2/NDF: 38.9/36

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:36.5/36

All: -0.000+/-0.000 χ^2/NDF: 71.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645579.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1486931.0/17

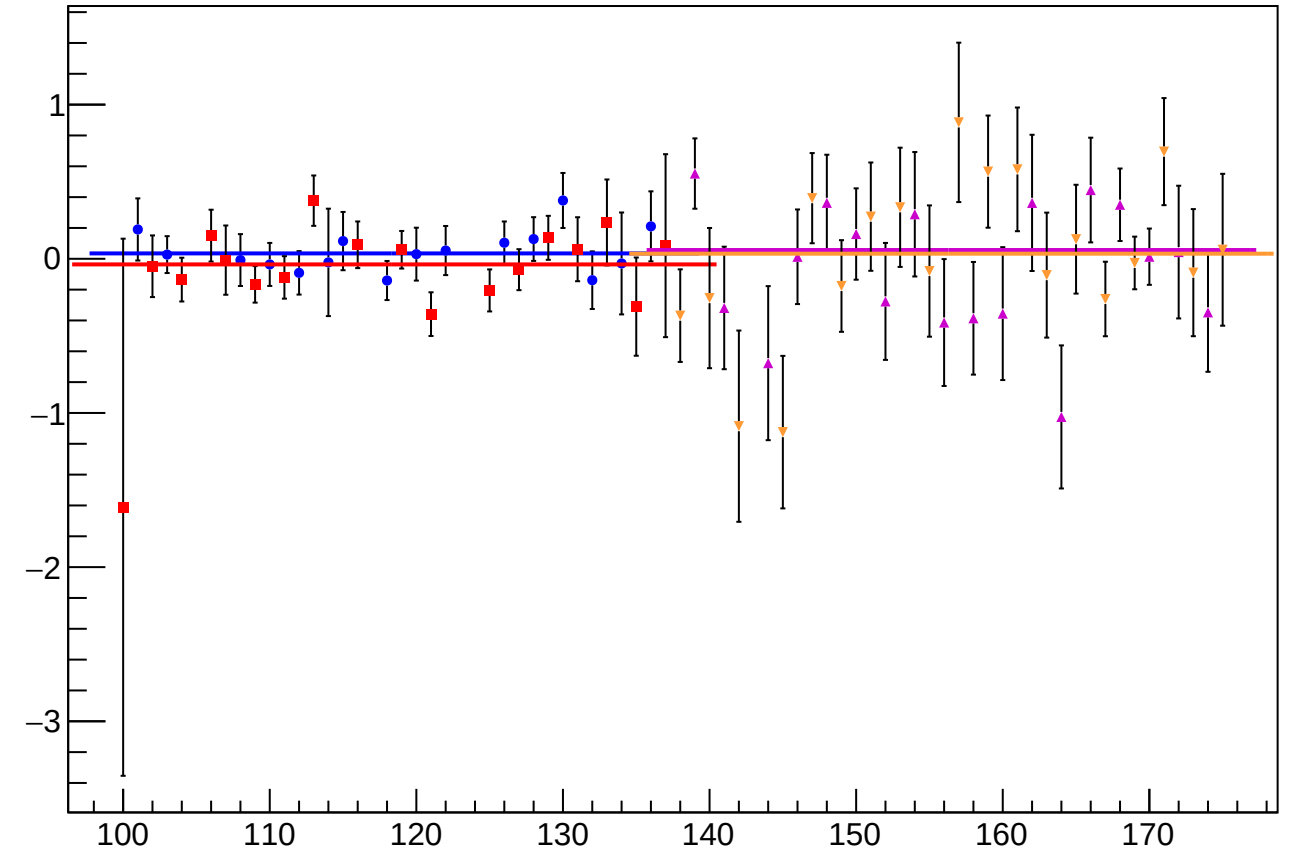
Left: 0.000+/-0.000 χ^2/NDF: 3132597.0/36

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2755420.0/33

Out: 0.000+/-0.000 χ^2/NDF:2741039.2/36

All: 0.000+/-0.000 χ^2/NDF: 5509780.9/70



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

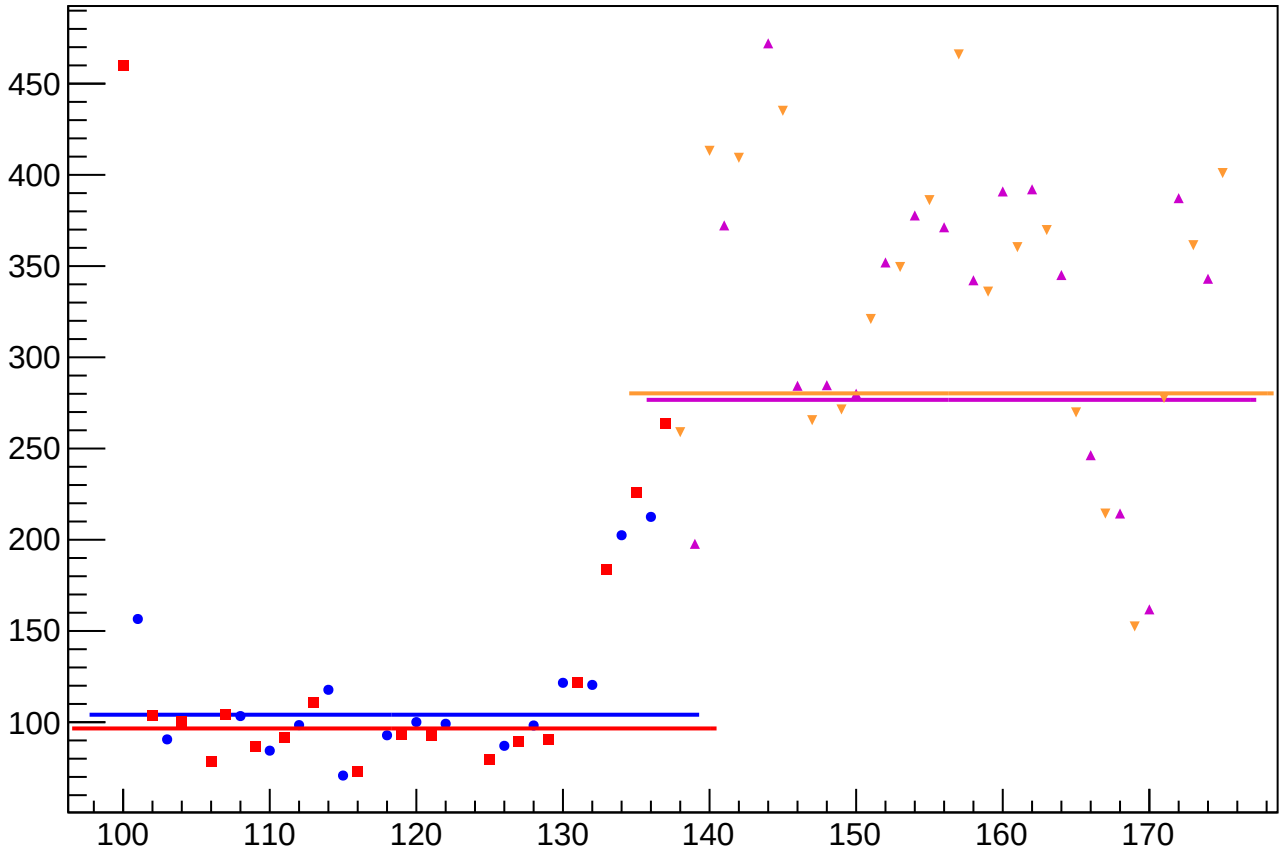
Left: 0.045+/-0.054 χ^2/NDF: 50.0/36

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.008+/-0.025 χ^2/NDF: 84.0/70



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 280.238+/-0.055 χ^2/NDF:2635964.9/18

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

Left: 278.433+/-0.038 χ^2/NDF: 5136308.3/36

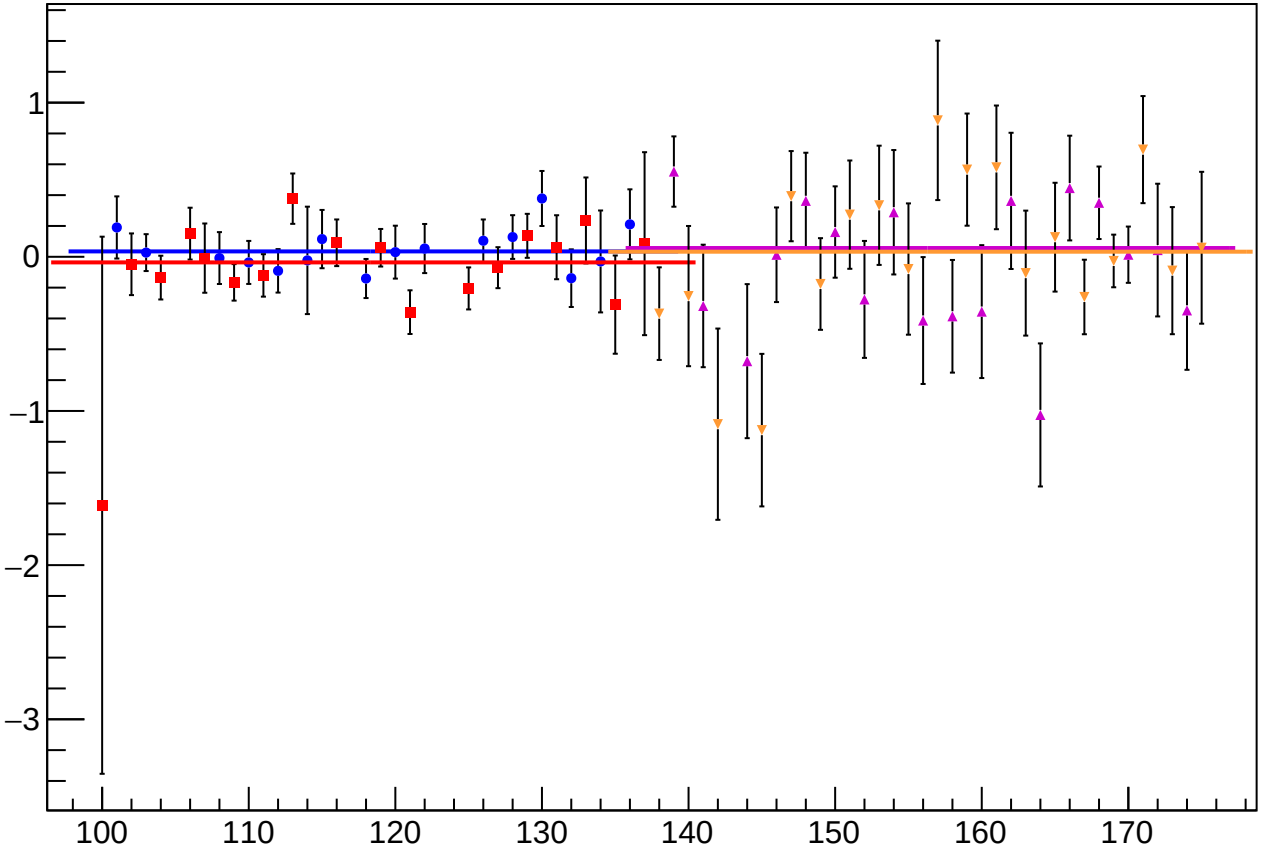
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 142.918+/-0.026 χ^2/NDF:11447034.9/33

Out: 133.667+/-0.025 χ^2/NDF:12597208.3/36

All: 138.113+/-0.018 χ^2/NDF: 24112380.3/70

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

Left: 0.045+/-0.054 χ^2/NDF: 50.0/36

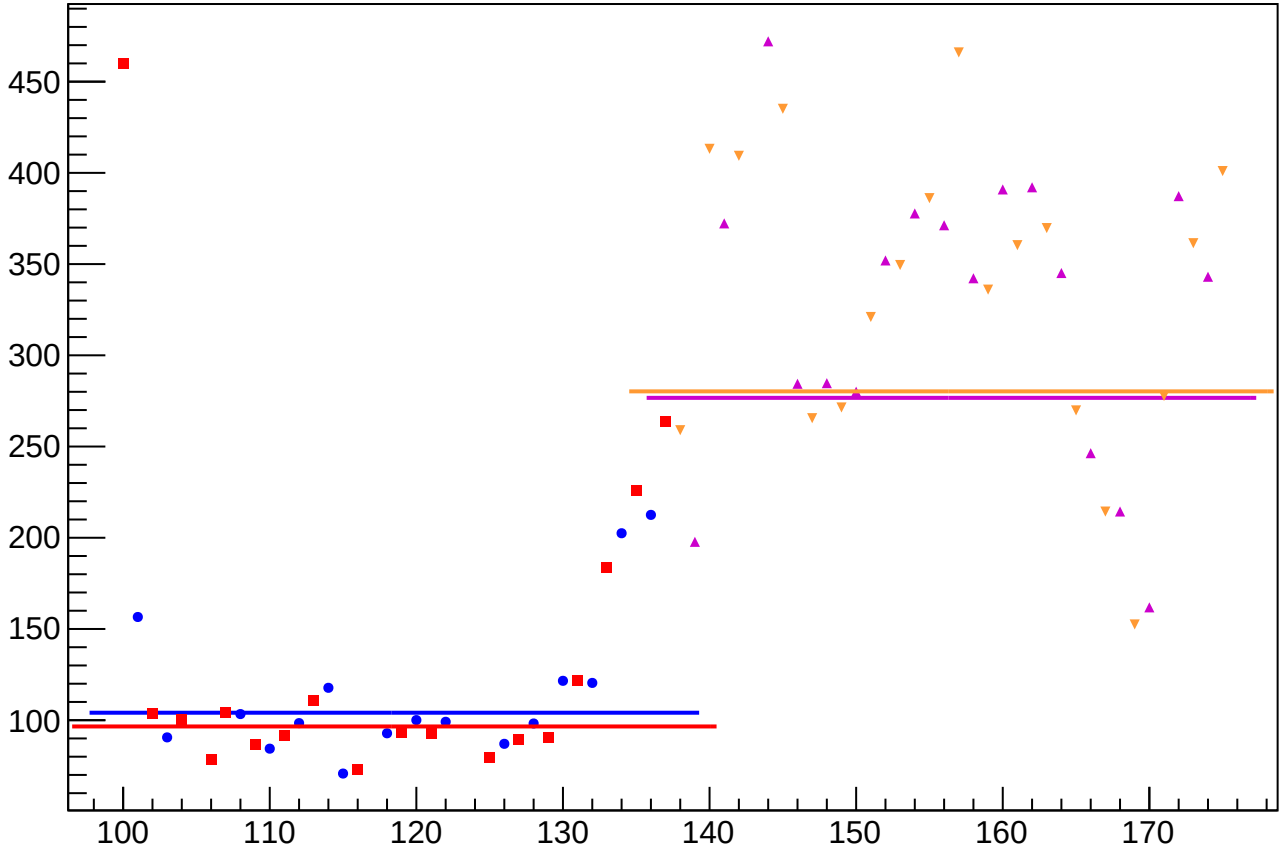
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.008+/-0.025 χ^2/NDF: 84.0/70

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 280.238+/-0.055 χ^2/NDF:2635964.9/18

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

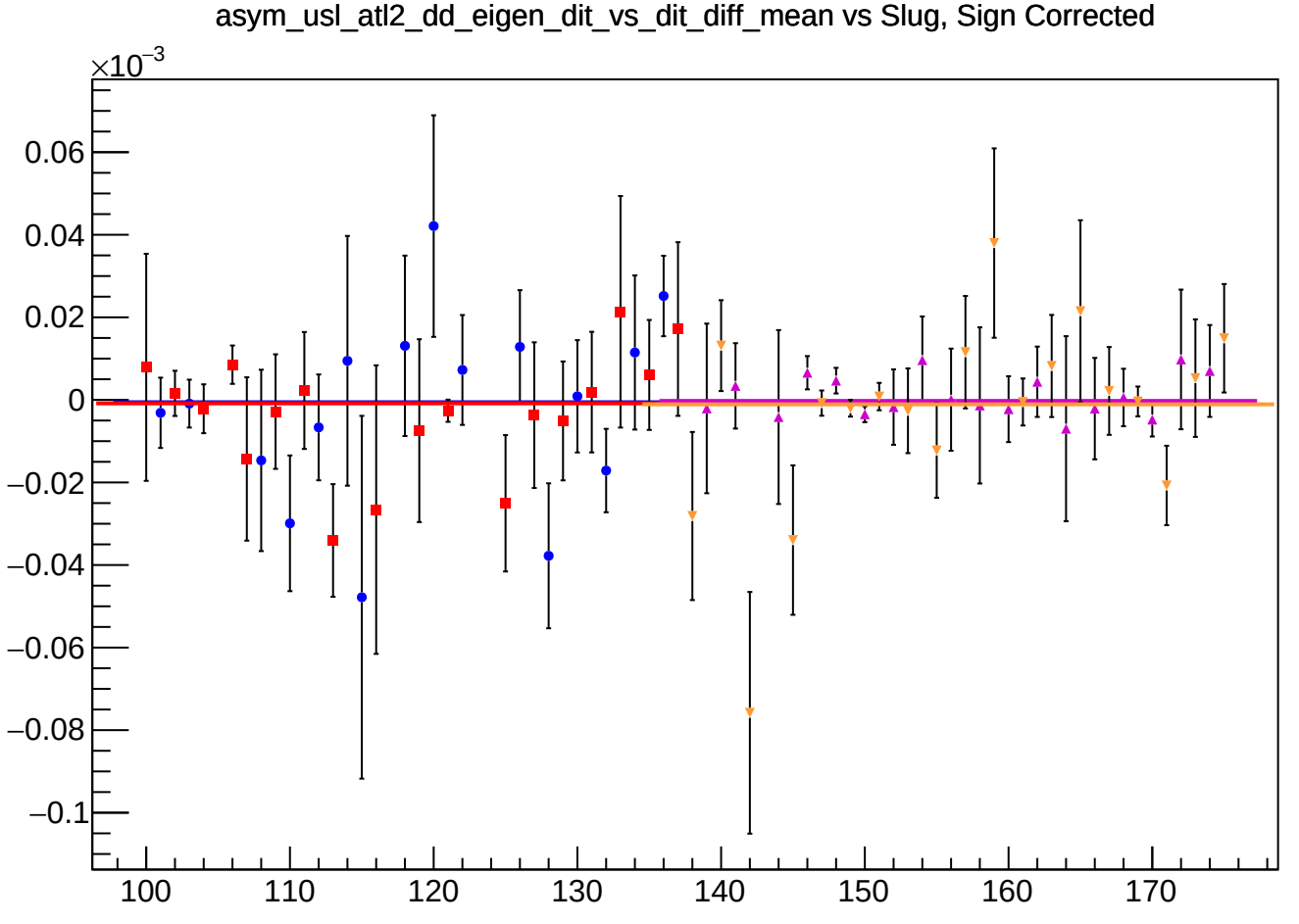
Left: 278.433+/-0.038 χ^2/NDF: 5136308.3/36

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 142.918+/-0.026 χ^2/NDF:11447034.9/33

Out: 133.667+/-0.025 χ^2/NDF:12597208.3/36

All: 138.113+/-0.018 χ^2/NDF: 24112380.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:11.7/17

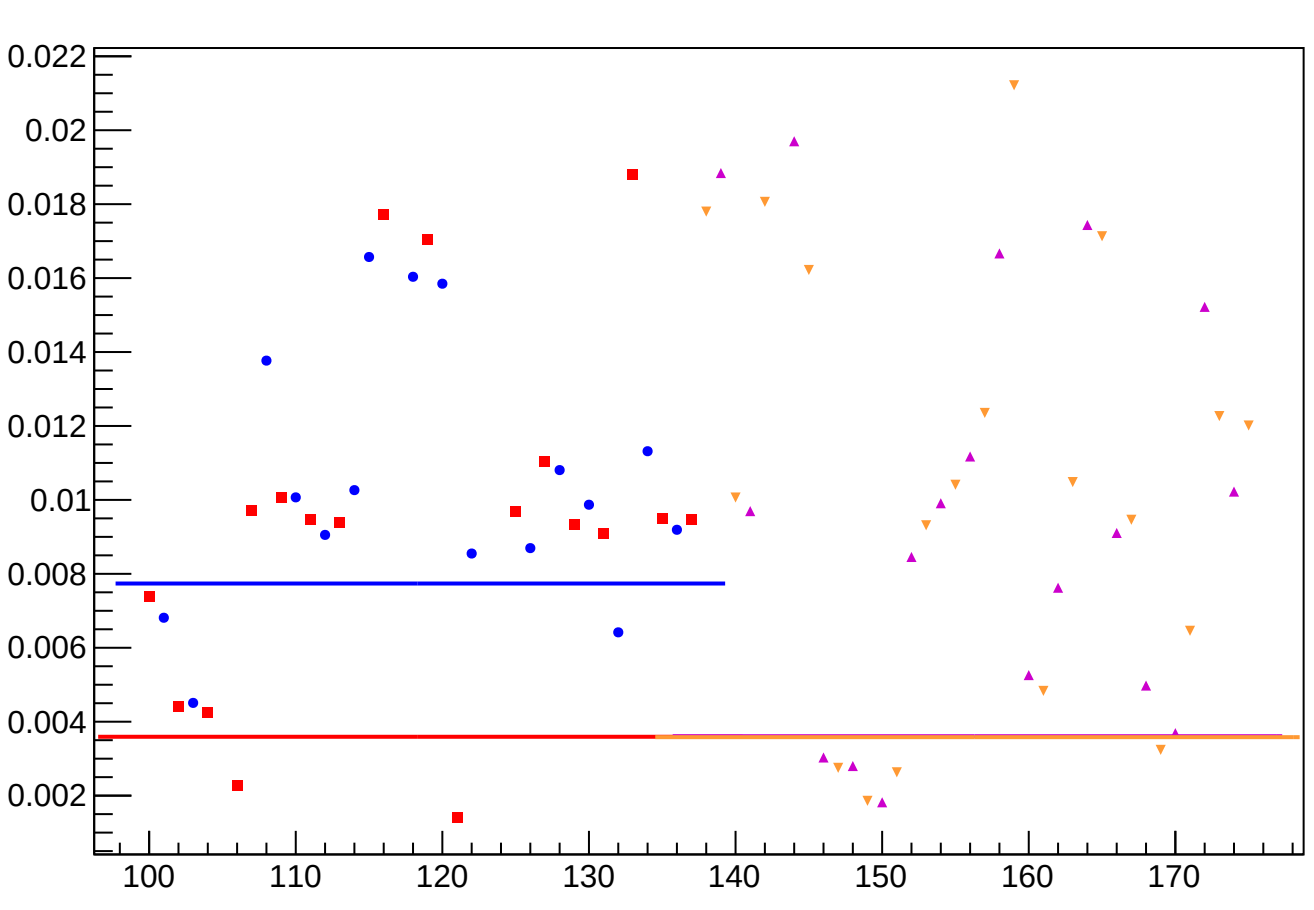
Left: -0.000+/-0.000 χ^2/NDF: 38.1/36

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:35.7/33

Out: -0.000+/-0.000 χ^2/NDF:42.0/36

All: -0.000+/-0.000 χ^2/NDF: 77.9/70



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:12070436.3/18

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11262711.6/17

Left: 0.004+/-0.000 χ^2/NDF: 23333578.1/36

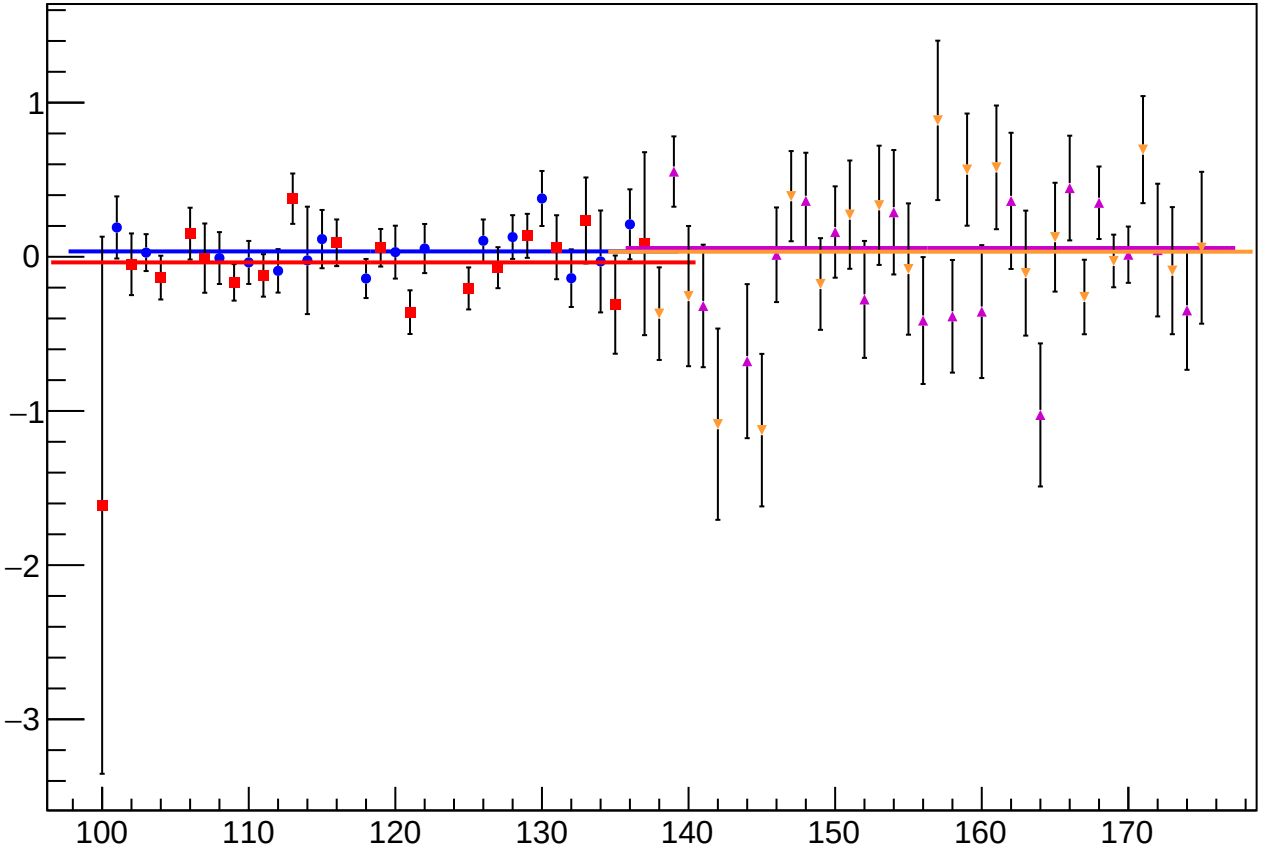
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:15976928.2/33

Out: 0.004+/-0.000 χ^2/NDF:18435366.2/36

All: 0.004+/-0.000 χ^2/NDF: 34722495.5/70

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

Left: 0.045+/-0.054 χ^2/NDF: 50.0/36

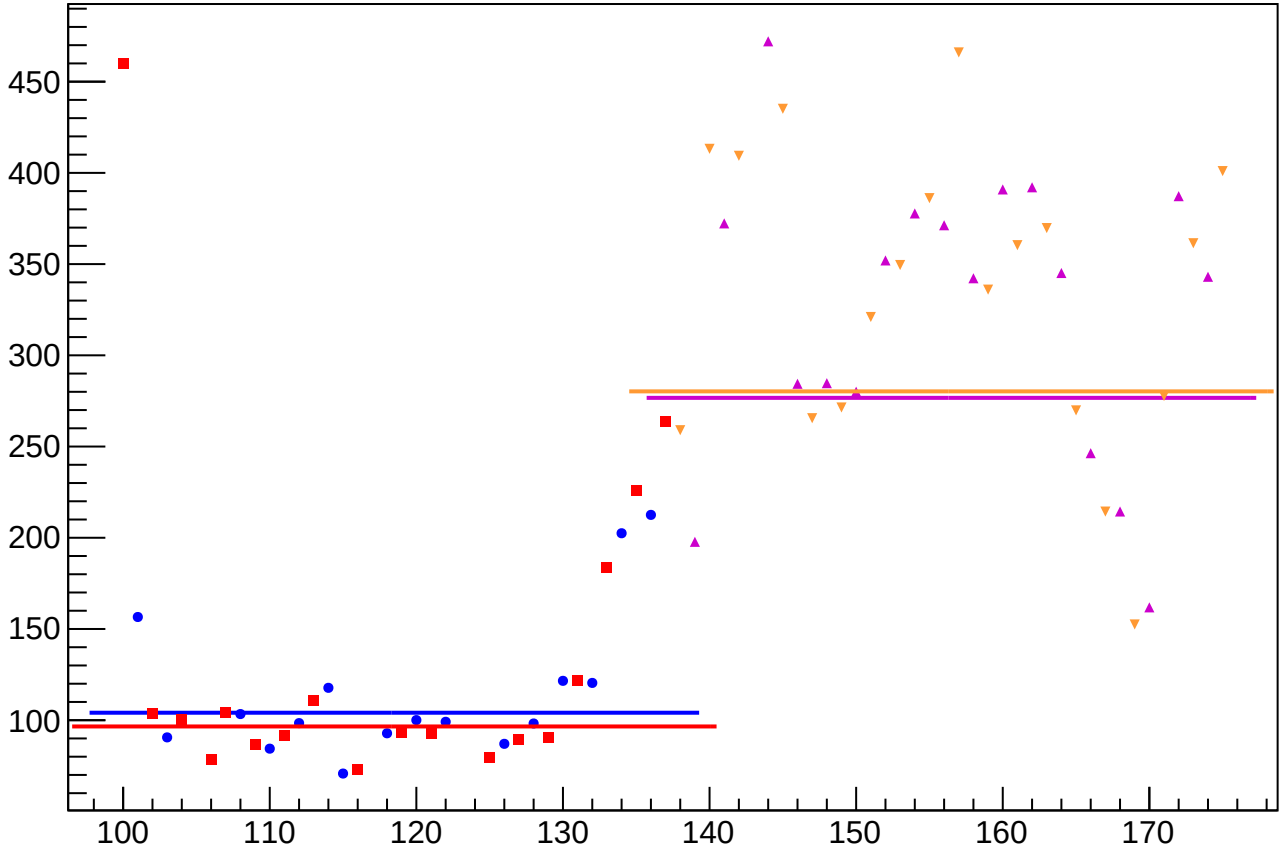
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.008+/-0.025 χ^2/NDF: 84.0/70

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 280.239+/-0.055 χ^2/NDF:2636009.1/18

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

Left: 278.436+/-0.038 χ^2/NDF: 5136305.5/36

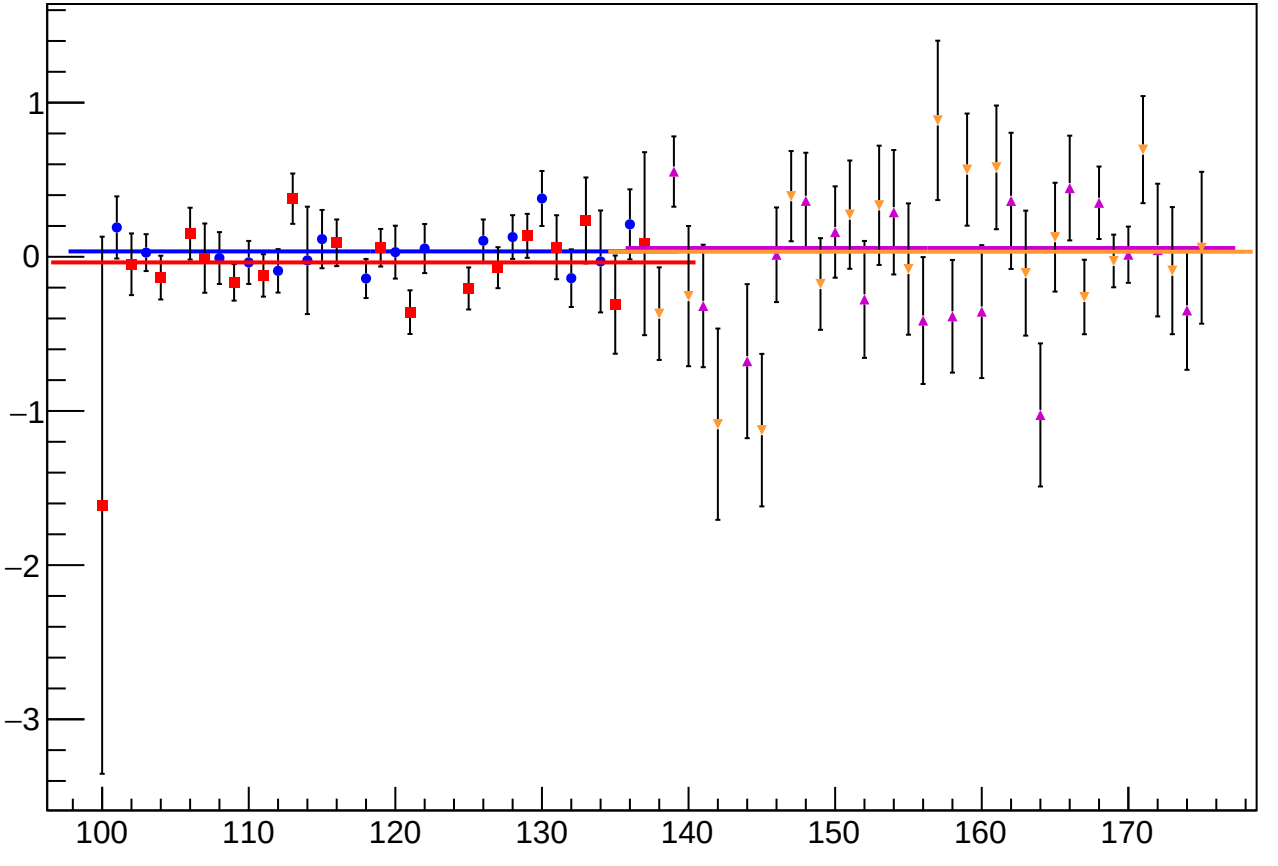
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 142.919+/-0.026 χ^2/NDF:11447001.5/33

Out: 133.668+/-0.025 χ^2/NDF:12597092.7/36

All: 138.115+/-0.018 χ^2/NDF: 24112223.9/70

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

Left: 0.045+/-0.054 χ^2/NDF: 50.0/36

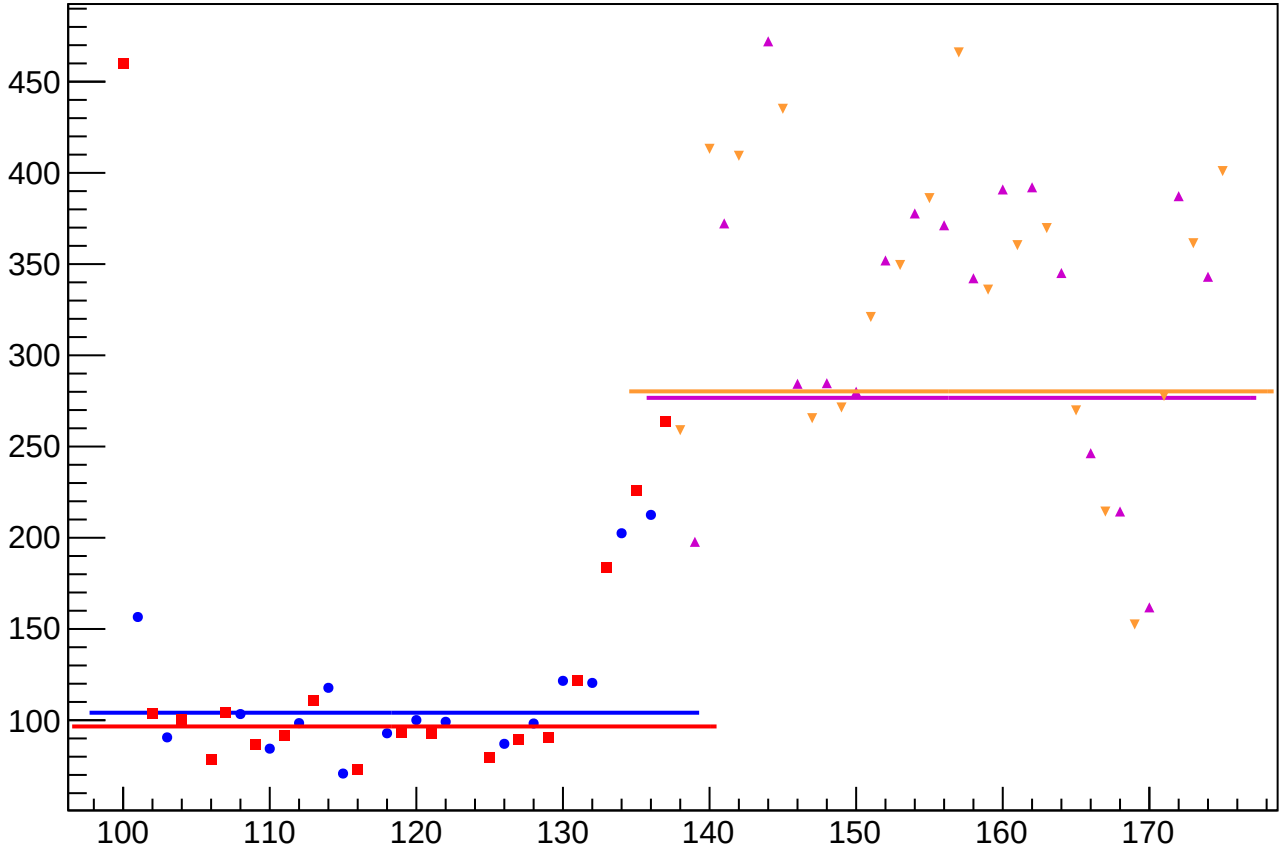
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.008+/-0.025 χ^2/NDF: 84.0/70

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 280.239+/-0.055 χ^2/NDF:2636009.1/18

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

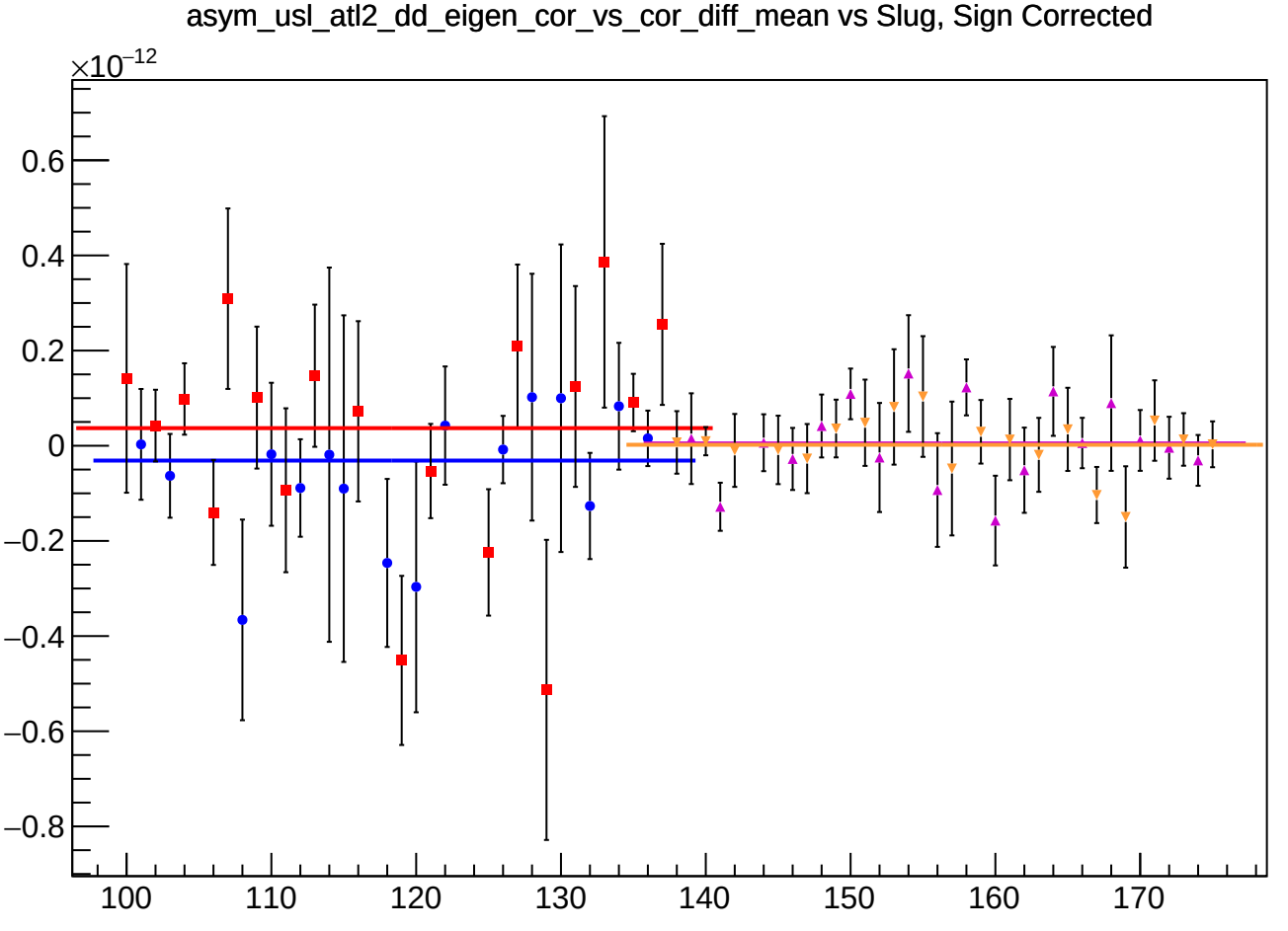
Left: 278.436+/-0.038 χ^2/NDF: 5136305.5/36

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 142.919+/-0.026 χ^2/NDF:11447001.5/33

Out: 133.668+/-0.025 χ^2/NDF:12597092.7/36

All: 138.115+/-0.018 χ^2/NDF: 24112223.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:23.1/17

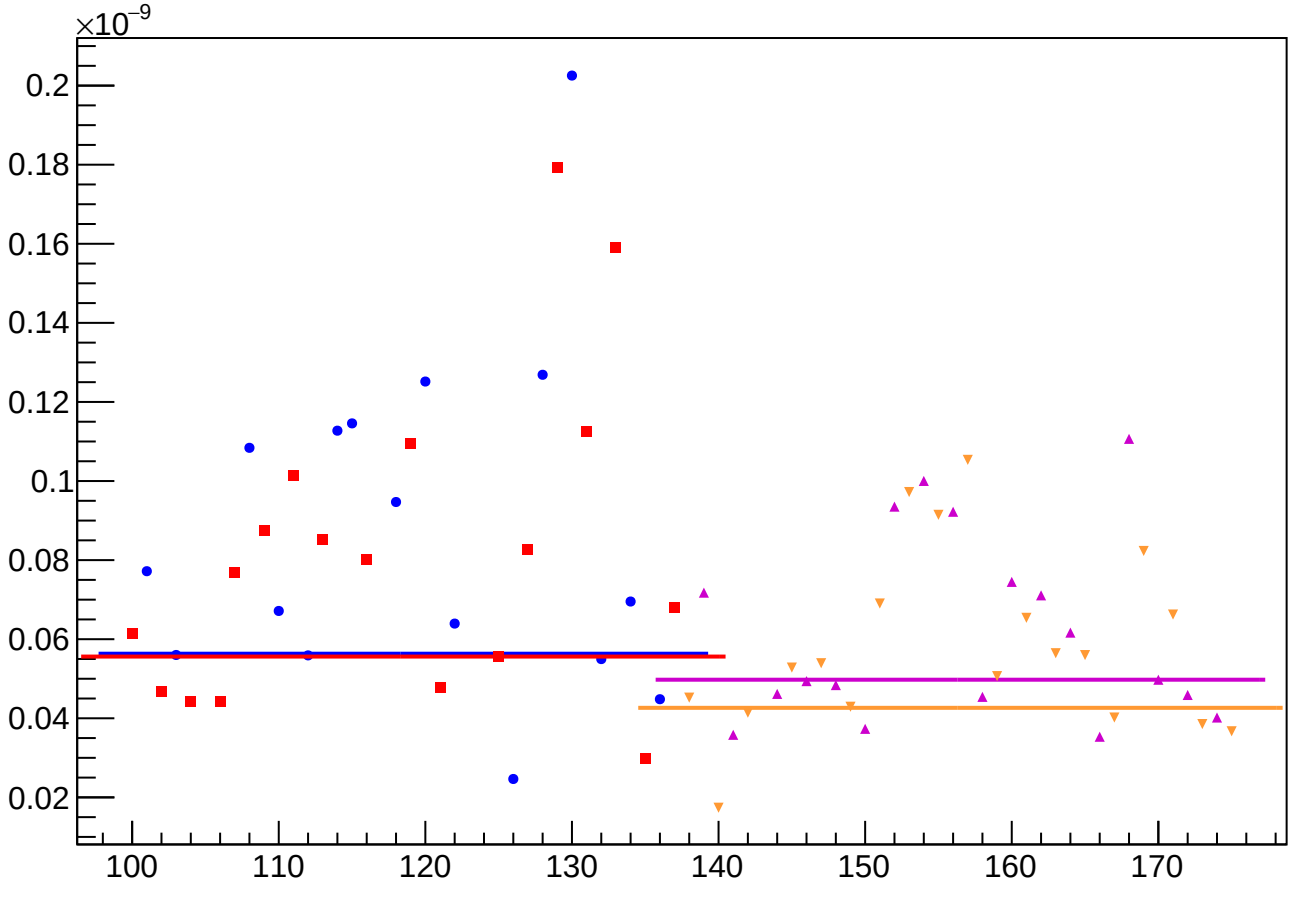
Left: 0.000+/-0.000 χ^2/NDF: 31.2/36

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.8/33

Out: 0.000+/-0.000 χ^2/NDF:36.3/36

All: 0.000+/-0.000 χ^2/NDF: 69.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574934.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2136553.1/17

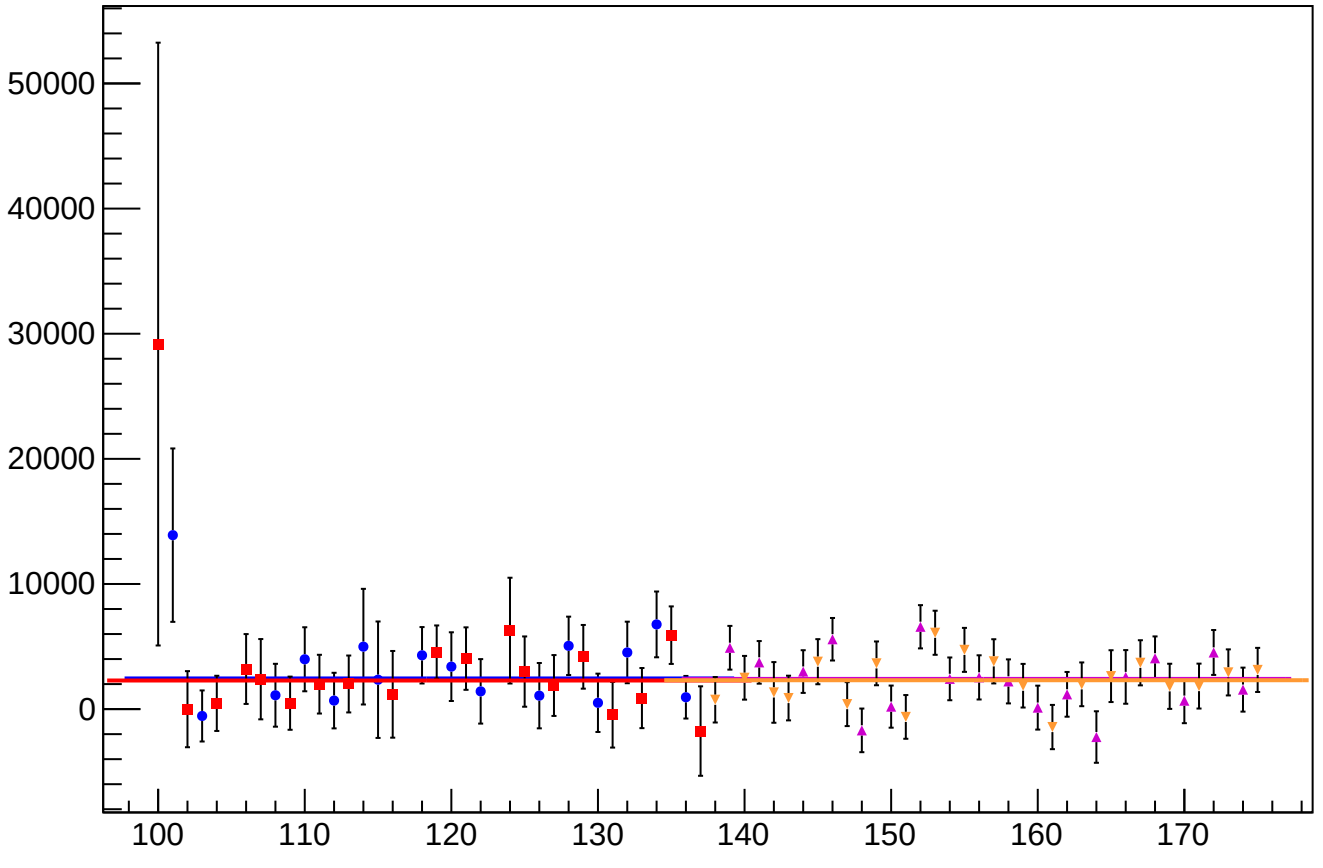
Left: 0.000+/-0.000 χ^2/NDF: 5915040.1/36

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3794776.0/33

Out: 0.000+/-0.000 χ^2/NDF:5661712.3/36

All: 0.000+/-0.000 χ^2/NDF: 9637010.8/70



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.544+/-404.278 χ^2/NDF:19.8/19

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2413.542+/-417.856 χ^2/NDF:30.1/17

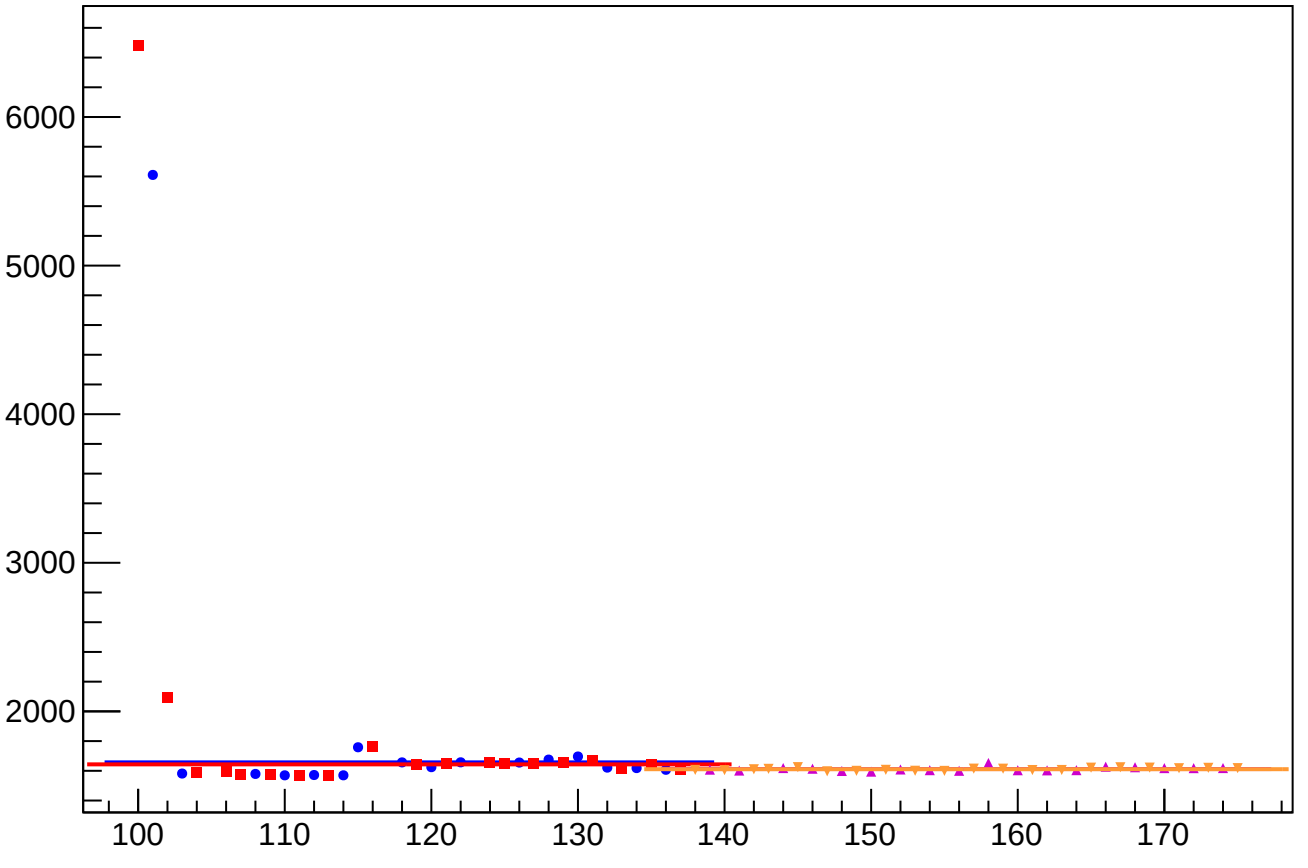
Left: 2359.310+/-290.550 χ^2/NDF: 49.9/37

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2424.662+/-348.263 χ^2/NDF:43.9/33

Out: 2301.826+/-336.845 χ^2/NDF:31.6/38

All: 2361.197+/-242.121 χ^2/NDF: 75.6/72



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

Left: 1611.403+/-0.205 χ^2/NDF: 2979.7/37

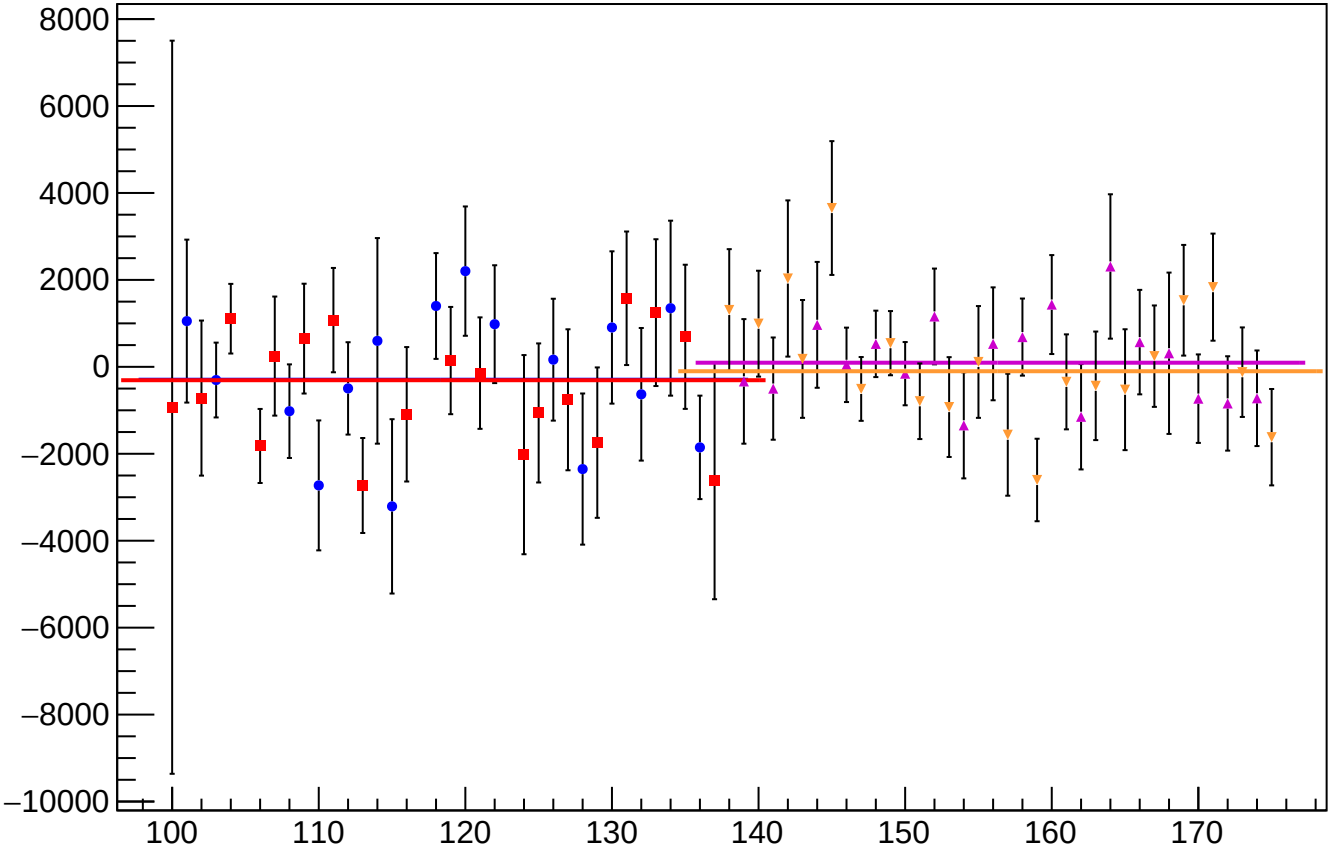
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.621+/-0.246 χ^2/NDF:675267.5/33

Out: 1620.830+/-0.238 χ^2/NDF:141888.9/38

All: 1623.146+/-0.171 χ^2/NDF: 817351.9/72

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -101.148+/-248.320 χ^2/NDF:25.8/19

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 94.994+/-254.380 χ^2/NDF:10.4/17

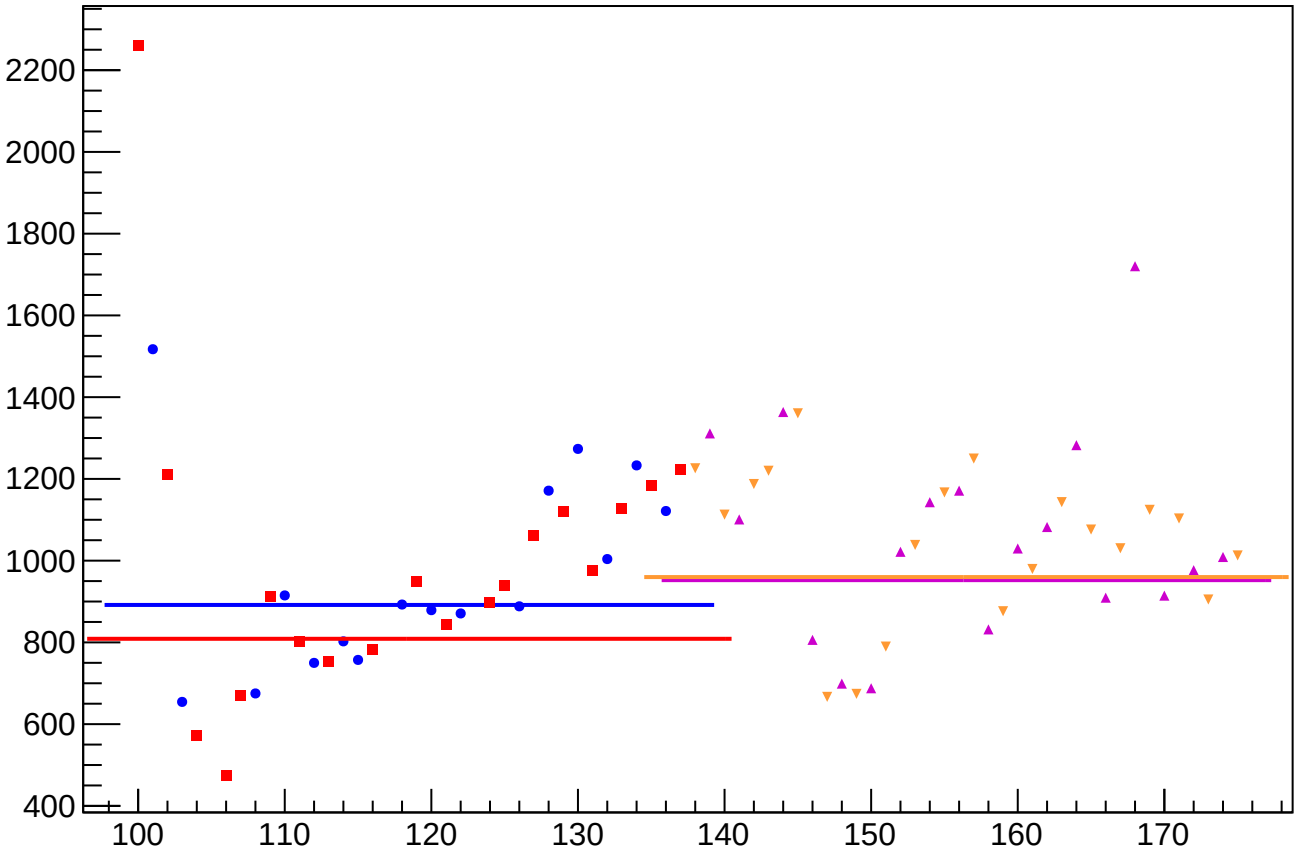
Left: -5.441+/-177.693 χ^2/NDF: 36.5/37

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -43.681+/-204.414 χ^2/NDF:27.2/33

Out: -180.931+/-194.529 χ^2/NDF:44.8/38

All: -115.705+/-140.918 χ^2/NDF: 72.2/72



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 959.819+/-0.176 χ^2/NDF:1337983.0/19

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 952.308+/-0.180 χ^2/NDF:1477277.7/17

Left: 956.154+/-0.126 χ^2/NDF: 2816153.5/37

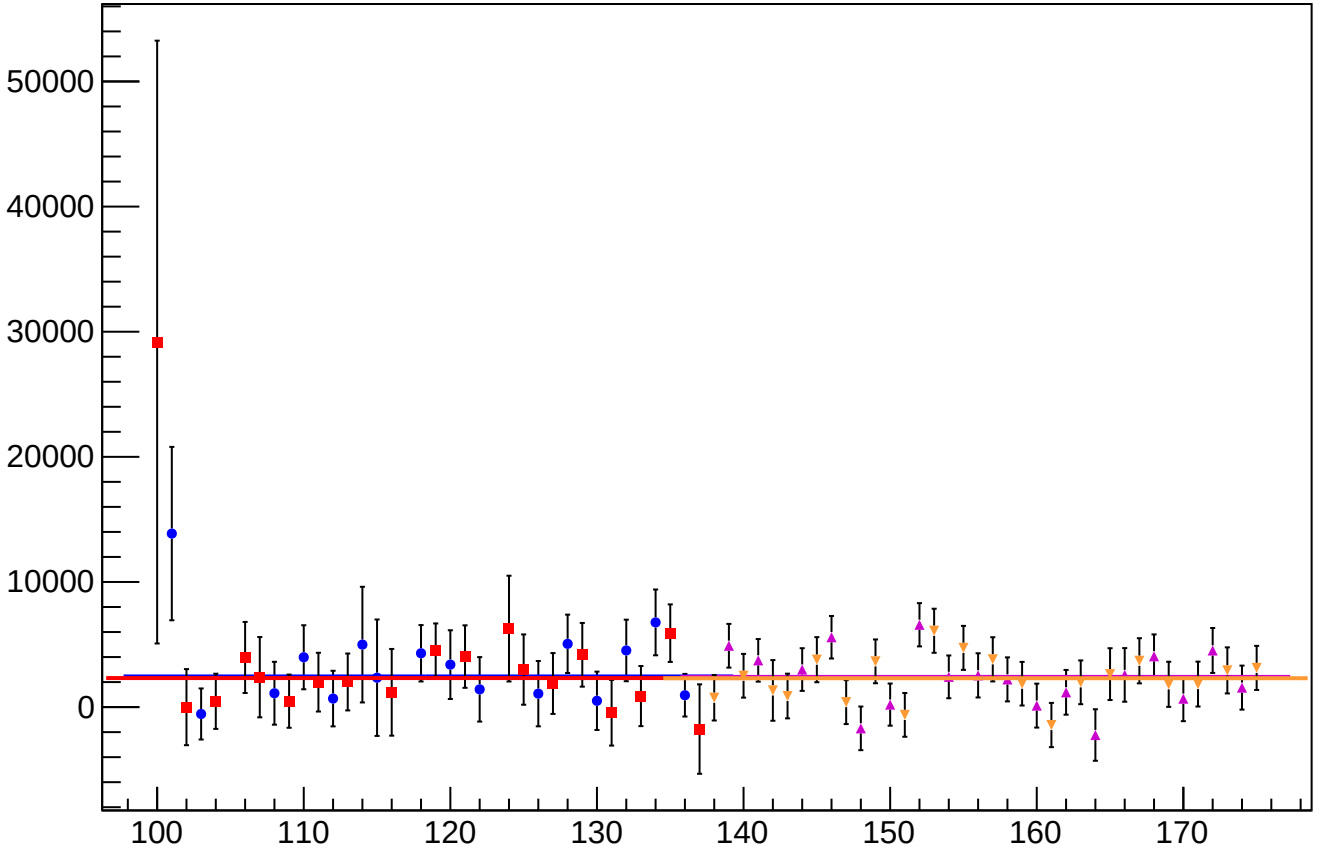
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 930.813+/-0.145 χ^2/NDF:2311485.2/33

Out: 901.481+/-0.138 χ^2/NDF:2707557.9/38

All: 915.421+/-0.100 χ^2/NDF: 5040652.9/72

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2413.565+/-417.856 χ^2/NDF:30.1/17

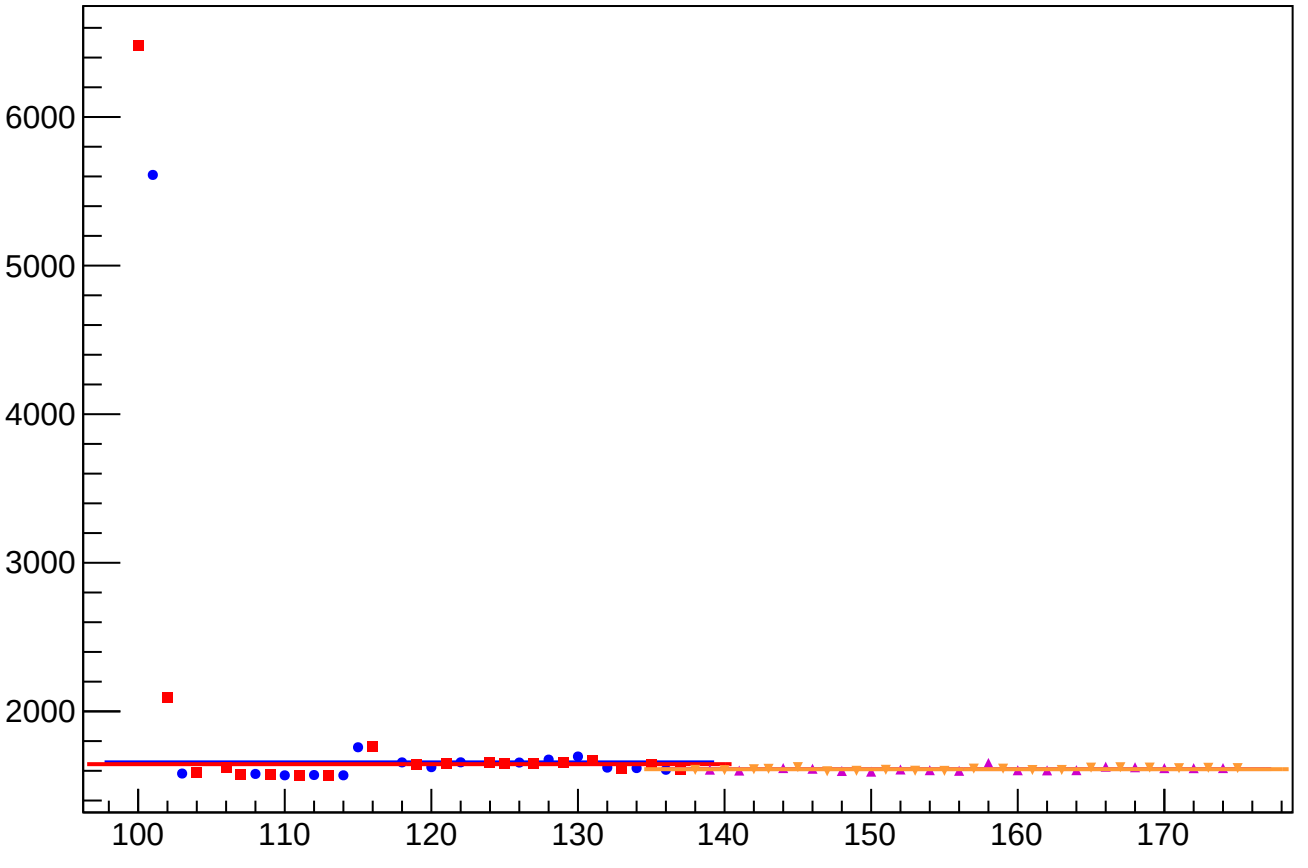
Left: 2359.313+/-290.550 χ^2/NDF: 49.9/37

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2424.507+/-348.263 χ^2/NDF:43.9/33

Out: 2312.209+/-336.930 χ^2/NDF:31.8/38

All: 2366.501+/-242.153 χ^2/NDF: 75.8/72



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

Left: 1611.403+/-0.205 χ^2/NDF: 2979.7/37

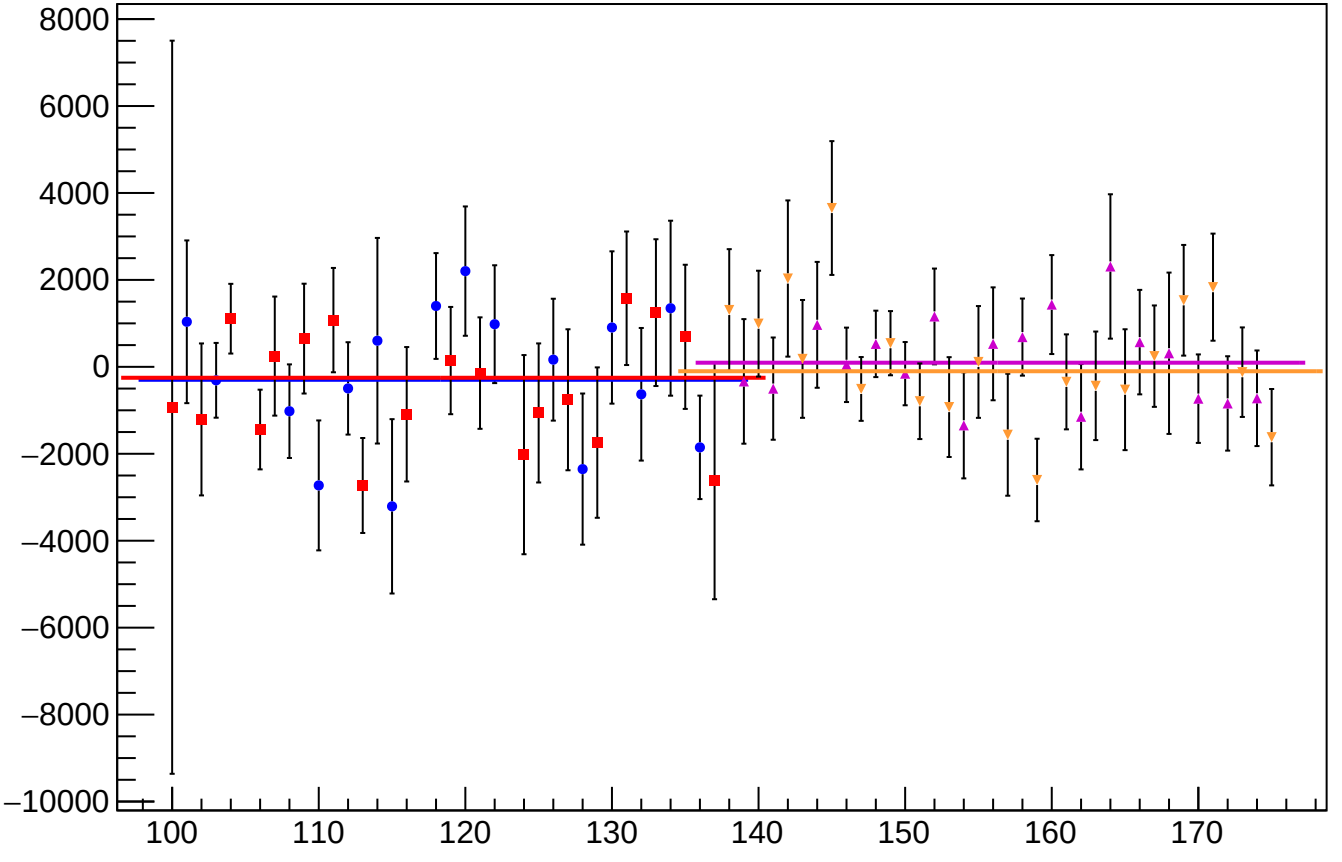
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.621+/-0.246 χ^2/NDF:675267.0/33

Out: 1621.217+/-0.238 χ^2/NDF:141692.9/38

All: 1623.346+/-0.171 χ^2/NDF: 817125.1/72

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 95.036+/-254.381 χ^2/NDF:10.4/17

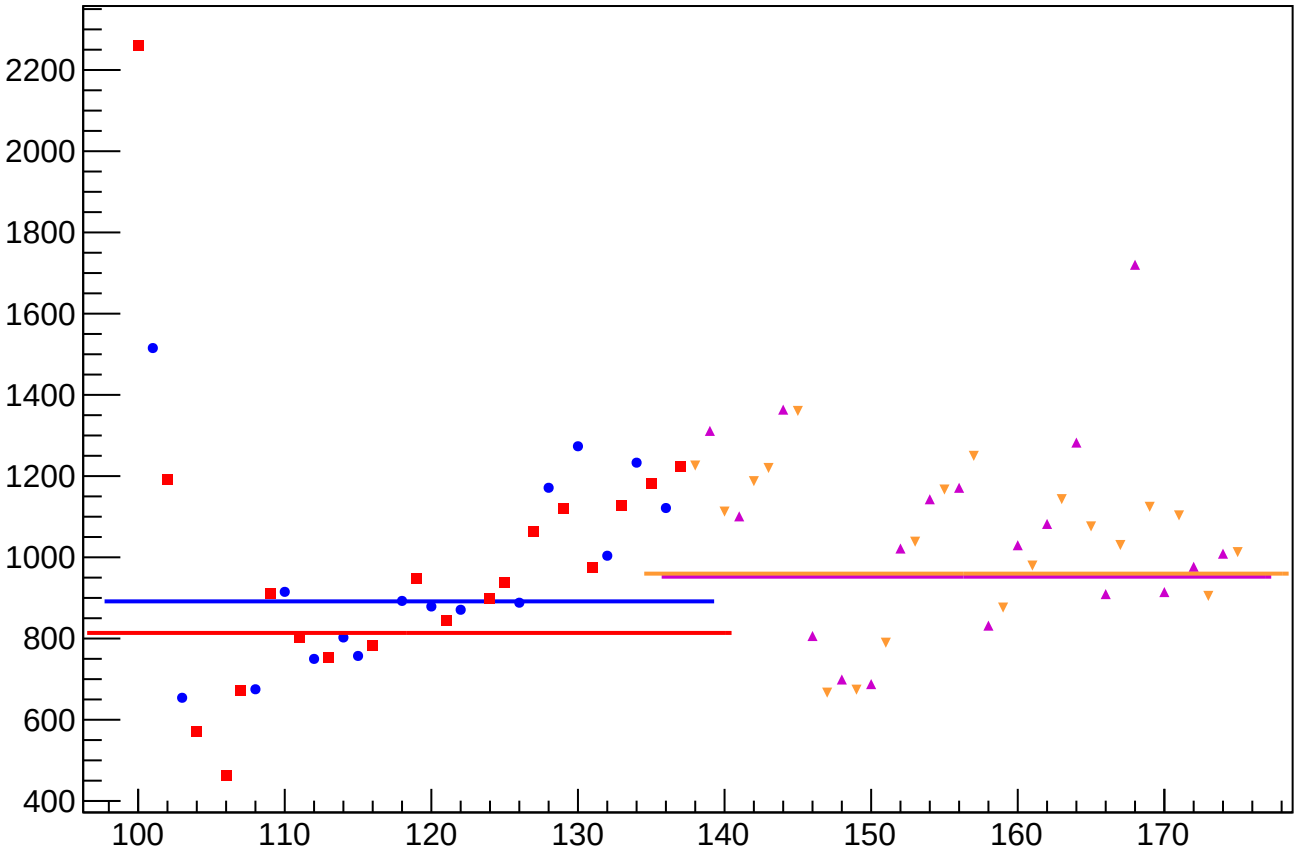
Left: -5.456+/-177.692 χ^2/NDF: 36.5/37

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -44.155+/-204.405 χ^2/NDF:27.2/33

Out: -158.541+/-195.188 χ^2/NDF:43.2/38

All: -103.985+/-141.165 χ^2/NDF: 70.5/72



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 959.810+/-0.176 χ^2/NDF:1338075.9/19

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

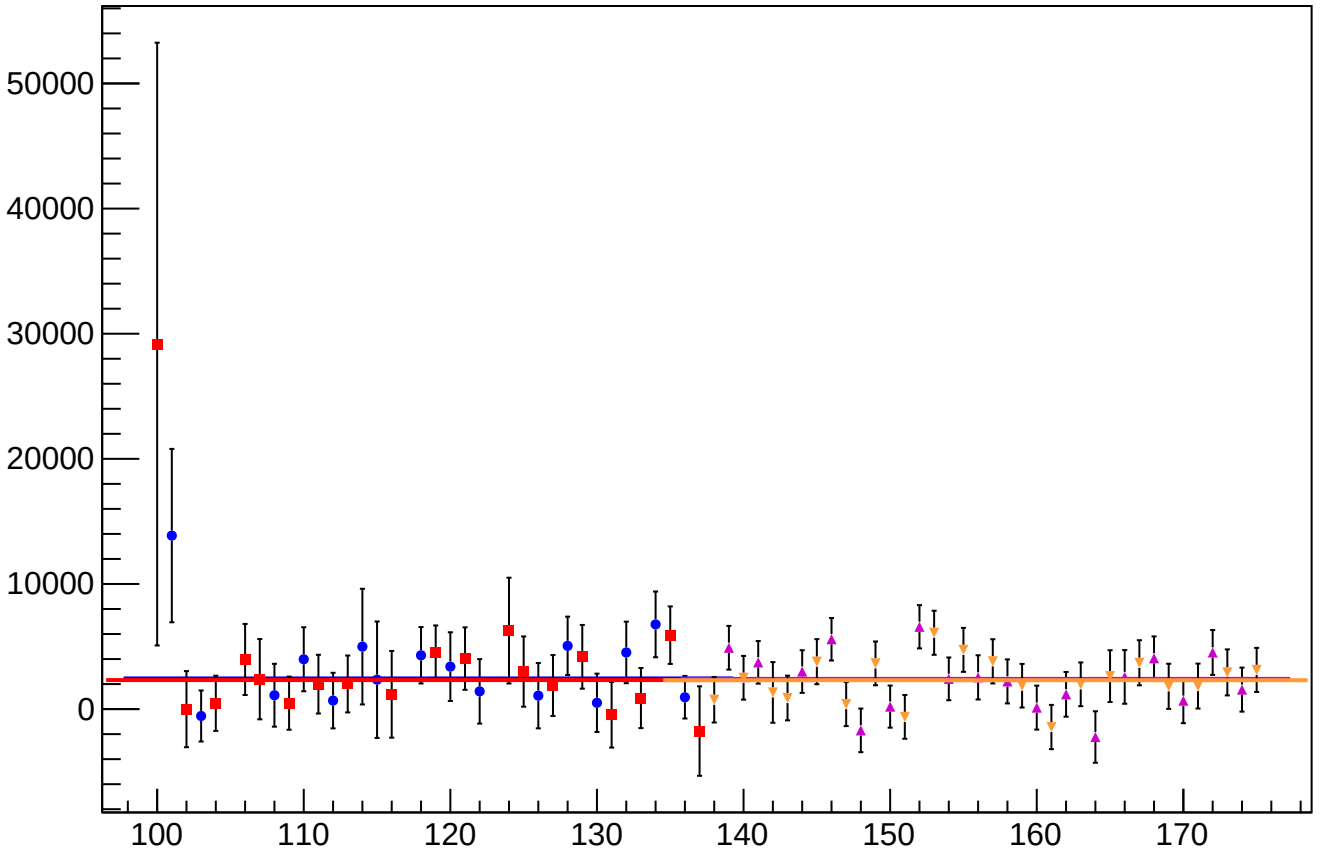
Left: 956.152+/-0.126 χ^2/NDF: 2816197.9/37

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 930.778+/-0.145 χ^2/NDF:2311347.8/33

Out: 904.017+/-0.138 χ^2/NDF:2655283.6/38

All: 916.780+/-0.100 χ^2/NDF: 4984562.3/72



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2413.565+/-417.856 χ^2/NDF:30.1/17

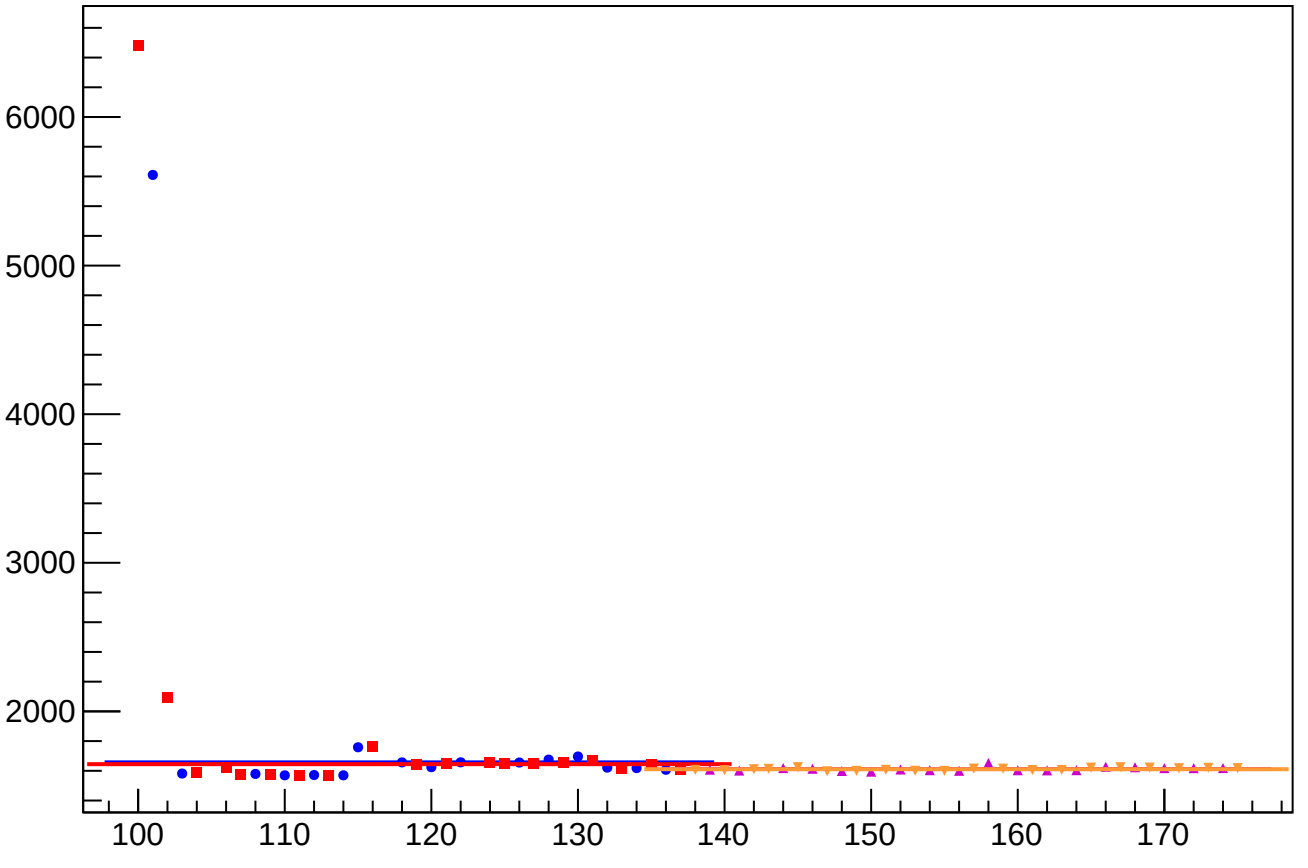
Left: 2359.313+/-290.550 χ^2/NDF: 49.9/37

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2424.507+/-348.263 χ^2/NDF:43.9/33

Out: 2312.209+/-336.930 χ^2/NDF:31.8/38

All: 2366.501+/-242.153 χ^2/NDF: 75.8/72



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

Left: 1611.403+/-0.205 χ^2/NDF: 2979.7/37

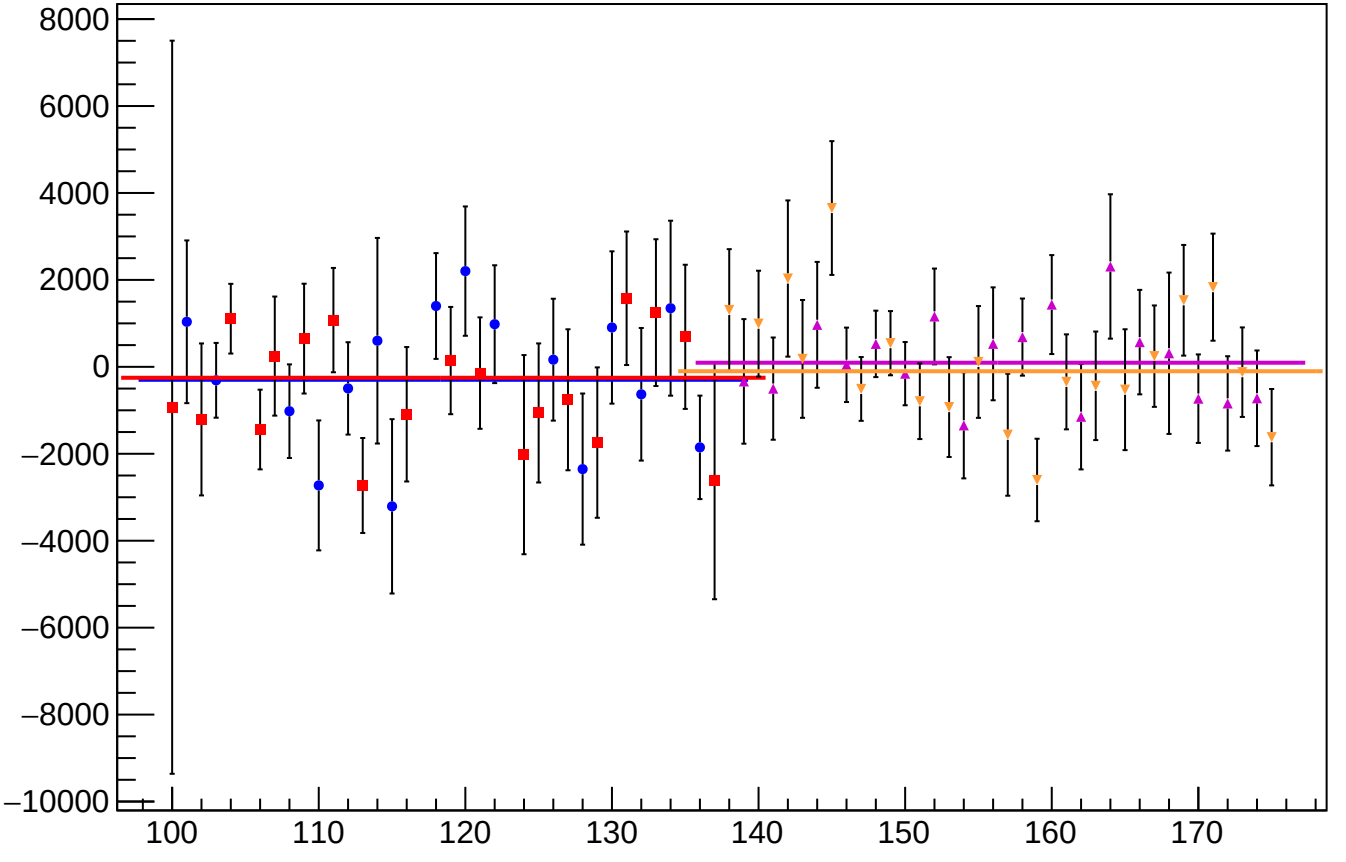
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.621+/-0.246 χ^2/NDF:675267.0/33

Out: 1621.217+/-0.238 χ^2/NDF:141692.9/38

All: 1623.346+/-0.171 χ^2/NDF: 817125.1/72

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 95.036+/-254.381 χ^2/NDF:10.4/17

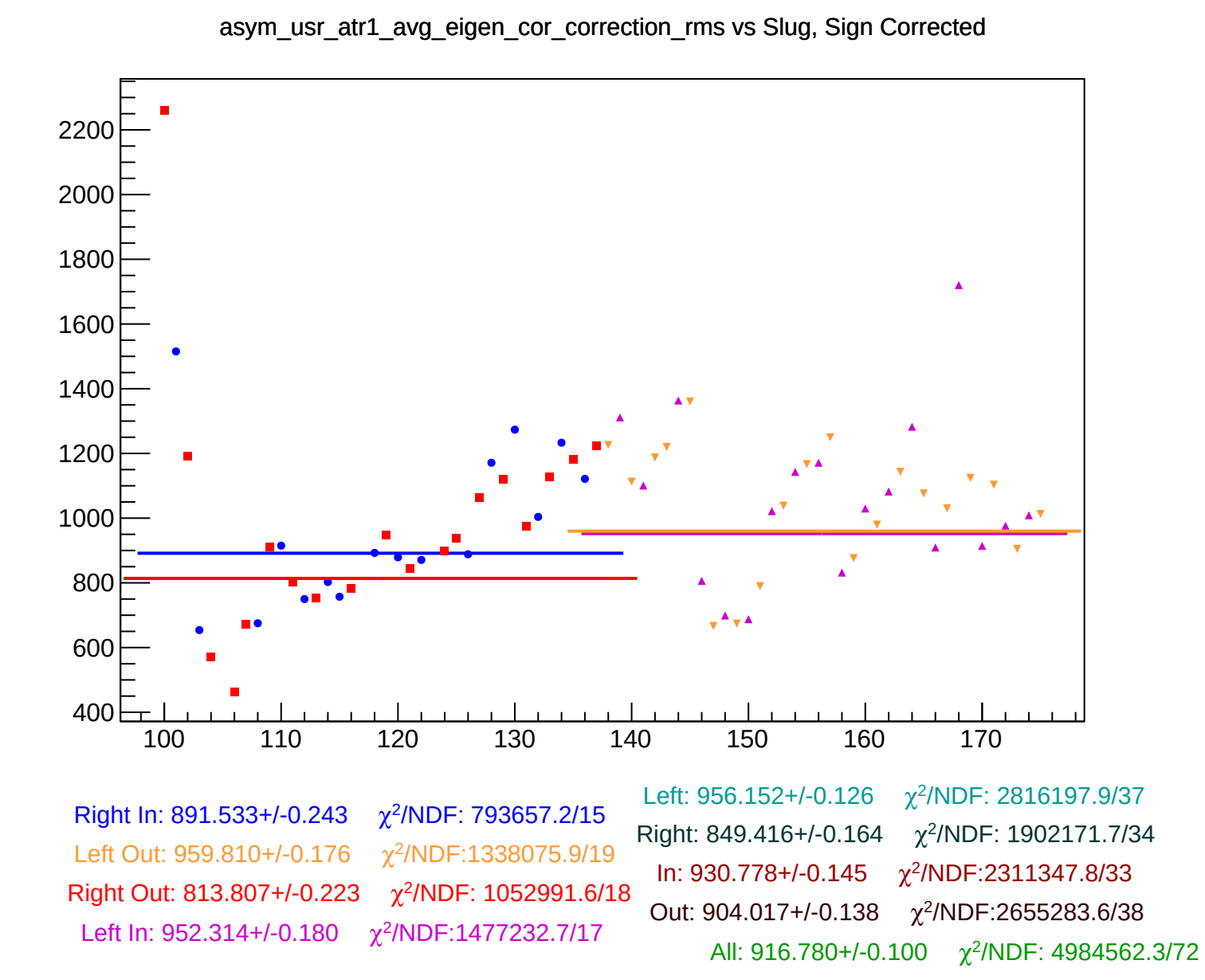
Left: -5.456+/-177.692 χ^2/NDF: 36.5/37

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

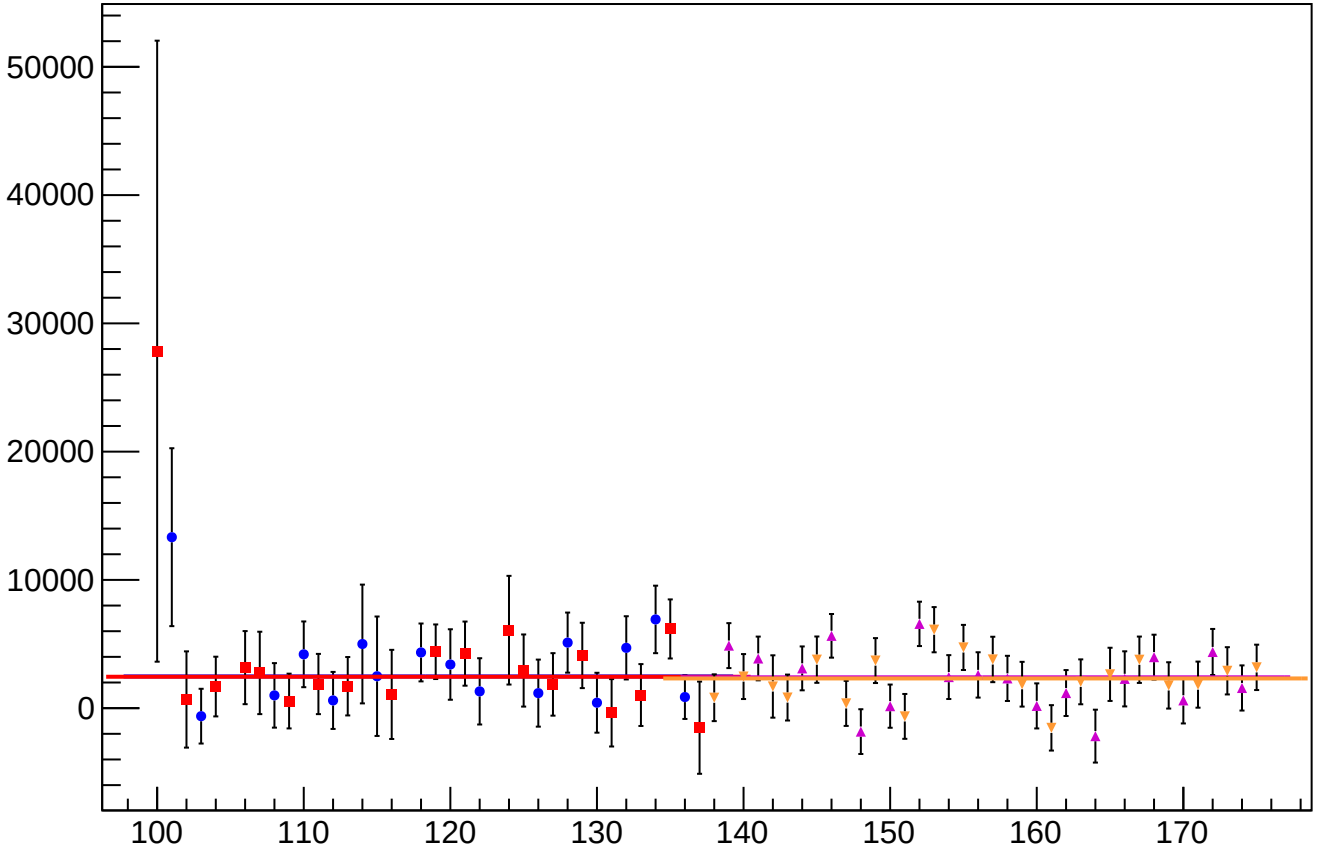
In: -44.155+/-204.405 χ^2/NDF:27.2/33

Out: -158.541+/-195.188 χ^2/NDF:43.2/38

All: -103.985+/-141.165 χ^2/NDF: 70.5/72


asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
Right In: 891.533+/-0.243 χ²/NDF: 793657.2/15
Left Out: 959.810+/-0.176 χ²/NDF:1338075.9/19
Right Out: 813.807+/-0.223 χ²/NDF: 1052991.6/18
Left In: 952.314+/-0.180 χ²/NDF:1477232.7/17
Left: 956.152+/-0.126 χ²/NDF: 2816197.9/37
Right: 849.416+/-0.164 χ²/NDF: 1902171.7/34
In: 930.778+/-0.145 χ²/NDF:2311347.8/33
Out: 904.017+/-0.138 χ²/NDF:2655283.6/38
All: 916.780+/-0.100 χ²/NDF: 4984562.3/72

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.266+/-404.909 χ^2/NDF:20.1/19

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2406.903+/-418.380 χ^2/NDF:30.3/17

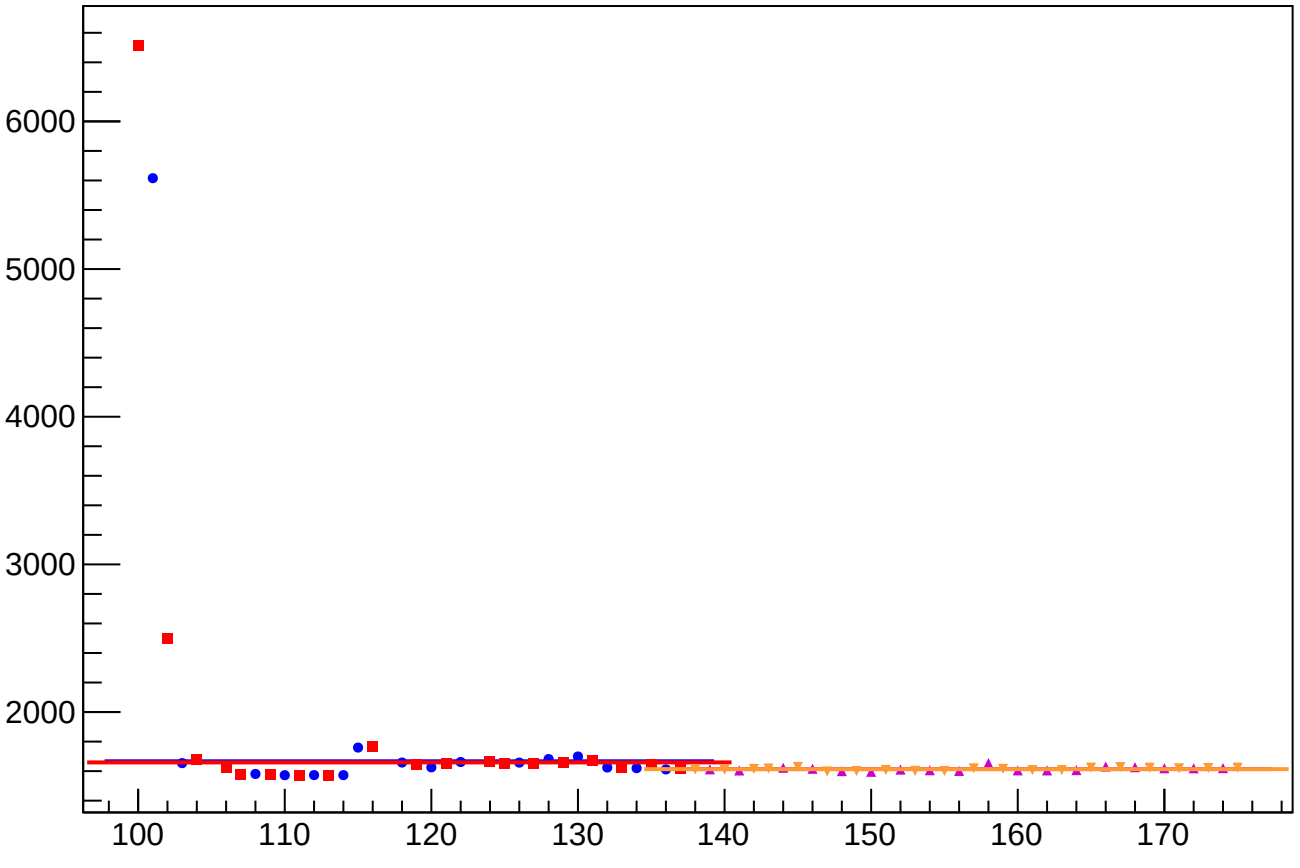
Left: 2360.618+/-290.960 χ^2/NDF: 50.4/37

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2427.637+/-349.177 χ^2/NDF:44.5/33

Out: 2356.889+/-338.610 χ^2/NDF:30.7/38

All: 2391.176+/-243.083 χ^2/NDF: 75.2/72



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

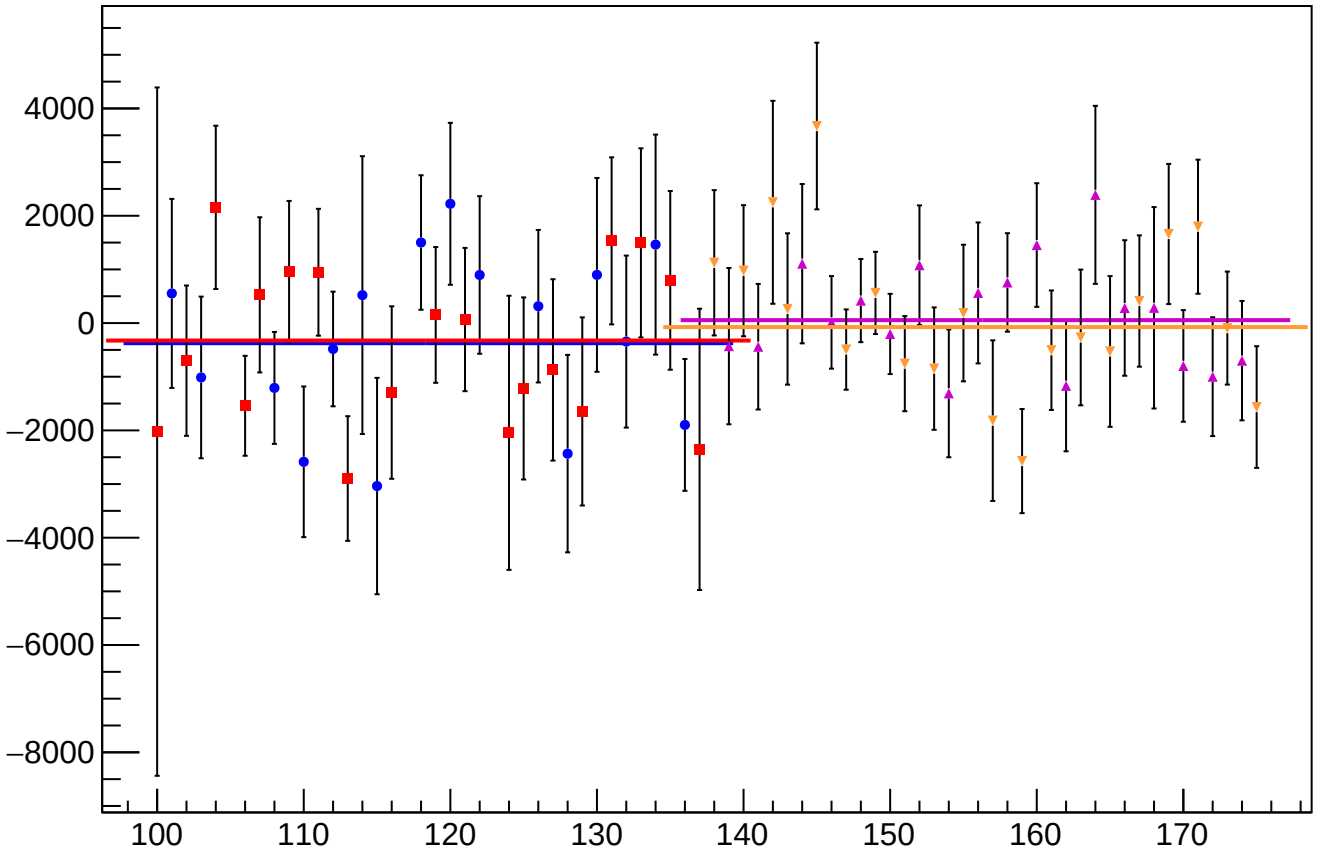
Left: 1613.668+/-0.206 χ^2/NDF: 3169.3/37

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.884+/-0.247 χ^2/NDF:674556.2/33

Out: 1627.097+/-0.239 χ^2/NDF:201913.3/38

All: 1628.448+/-0.172 χ^2/NDF: 876535.1/72



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -74.926+/-253.367 χ^2/NDF:25.2/19

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 54.674+/-258.401 χ^2/NDF:10.6/17

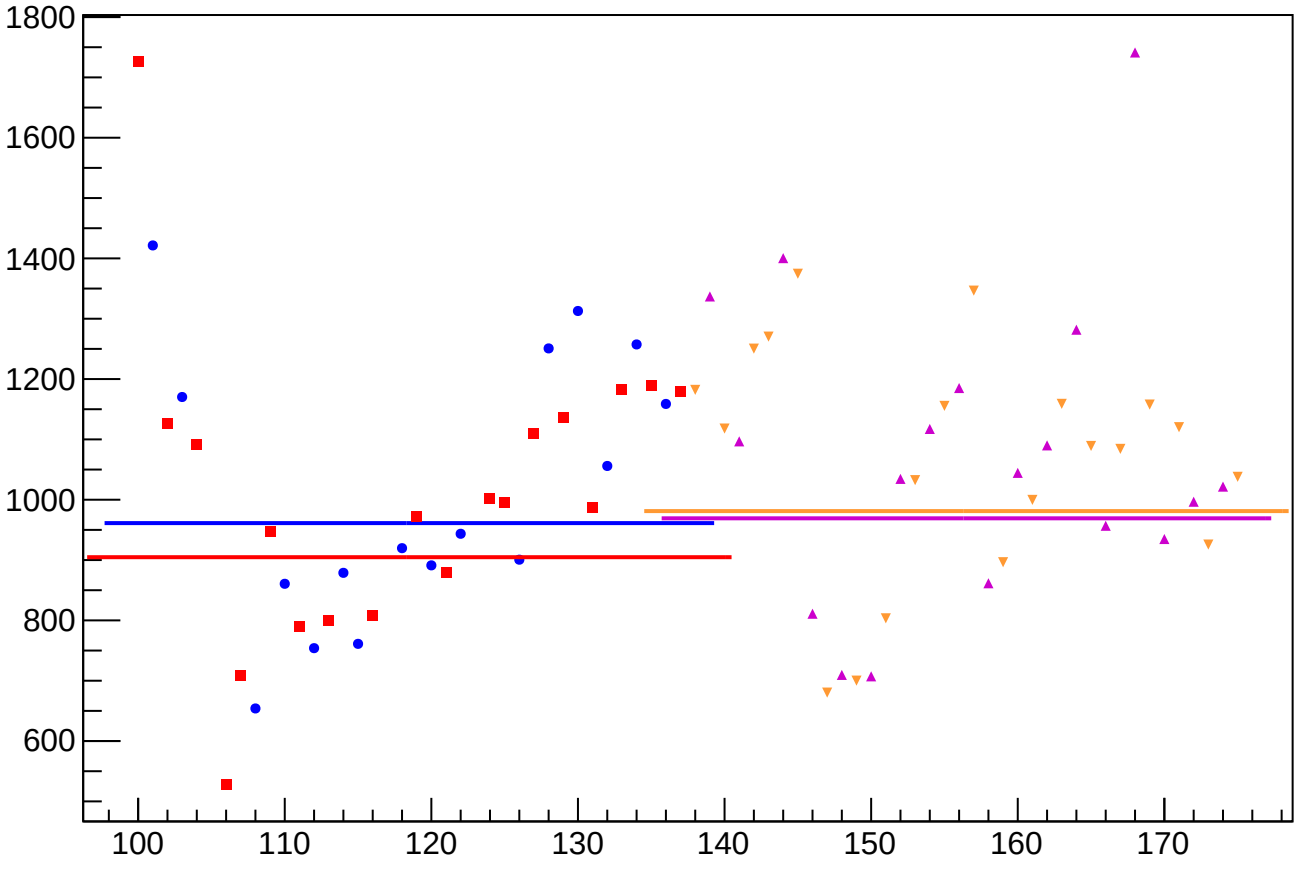
Left: -11.400+/-180.911 χ^2/NDF: 35.9/37

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -87.111+/-211.463 χ^2/NDF:27.2/33

Out: -164.243+/-203.293 χ^2/NDF:42.9/38

All: -127.196+/-146.553 χ^2/NDF: 70.2/72



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 981.142+/-0.179 χ^2/NDF:1308287.1/19

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 969.160+/-0.183 χ^2/NDF:1422140.3/17

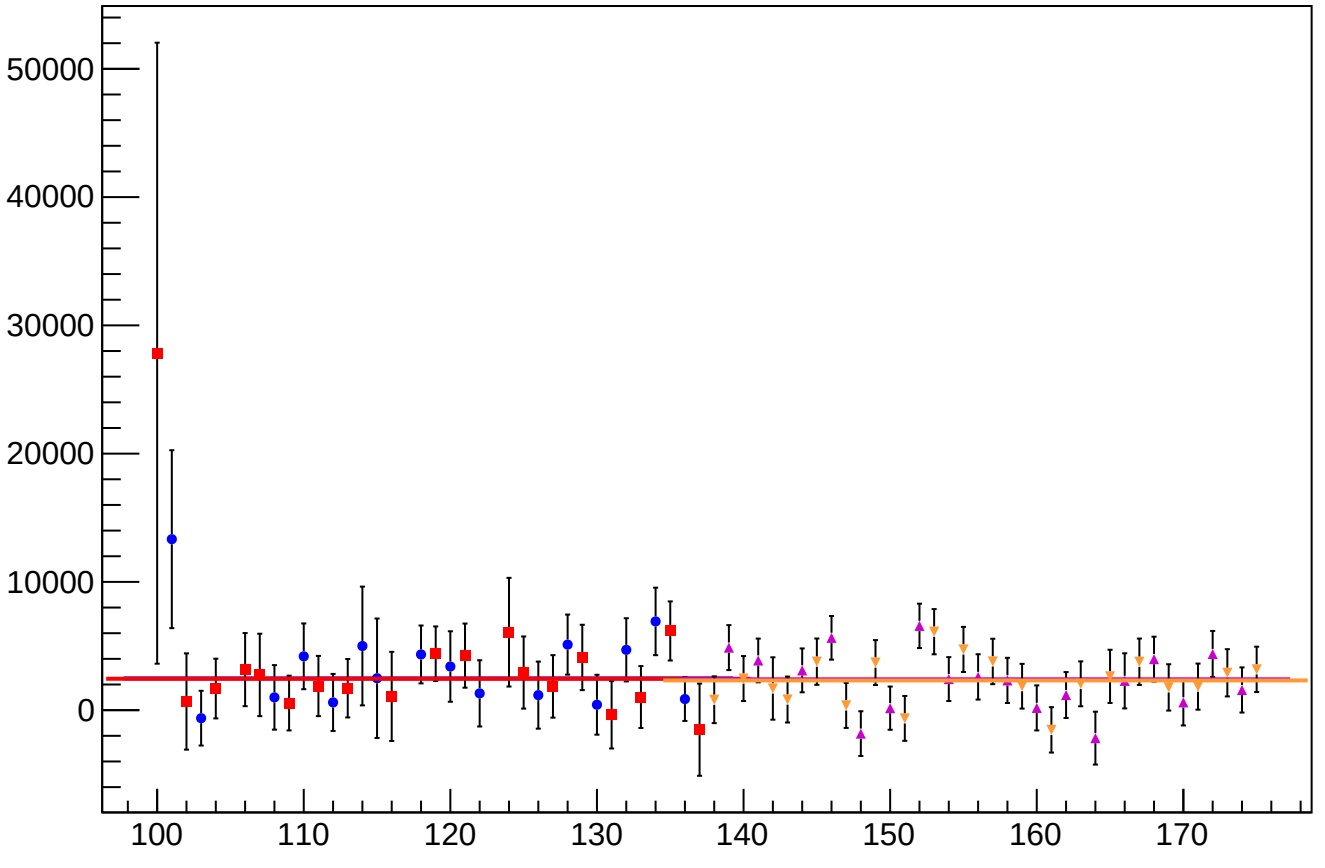
Left: 975.269+/-0.128 χ^2/NDF: 2732620.0/37

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 966.545+/-0.150 χ^2/NDF:2114635.8/33

Out: 953.926+/-0.144 χ^2/NDF:2109558.9/38

All: 959.987+/-0.104 χ^2/NDF: 4227895.9/72



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.265+/-404.909 χ^2/NDF:20.1/19

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2406.903+/-418.380 χ^2/NDF:30.3/17

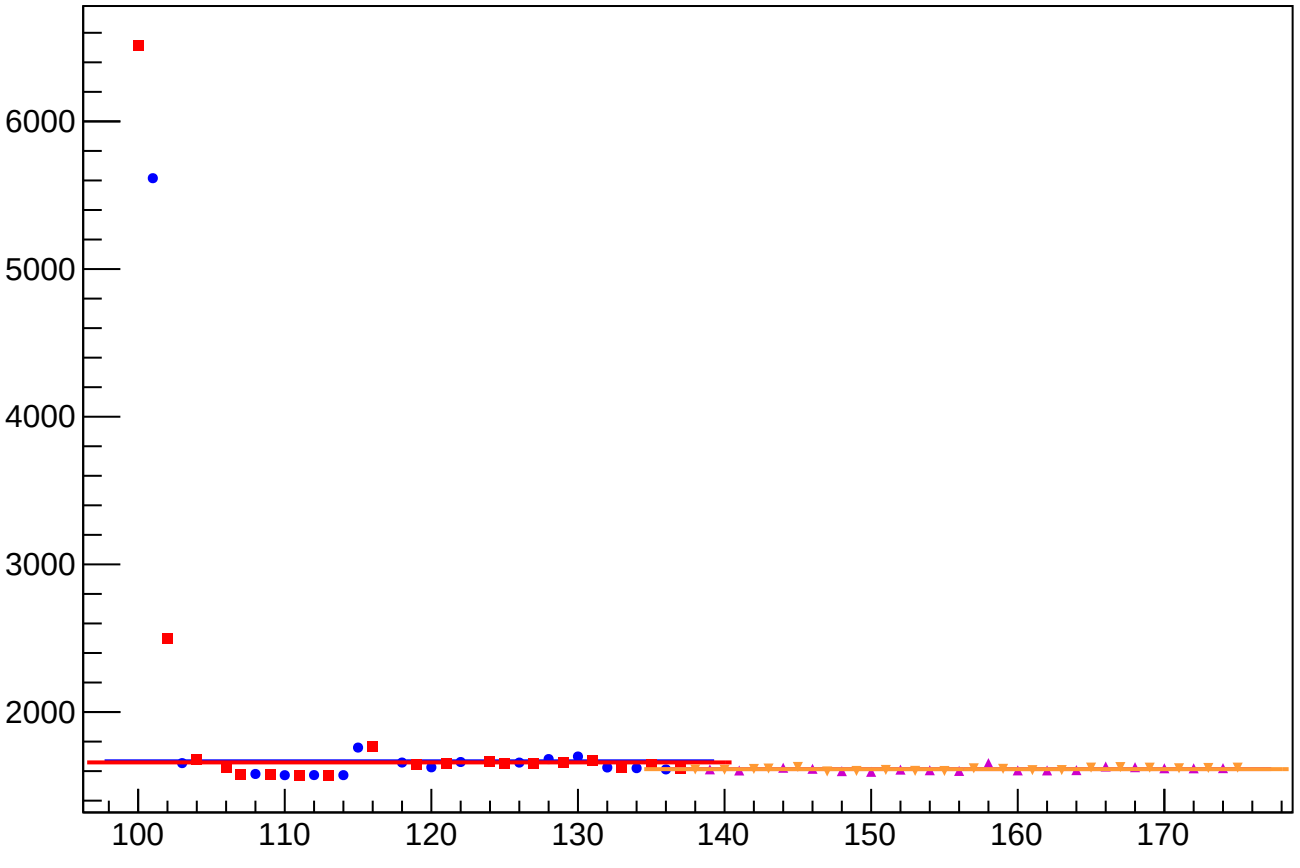
Left: 2360.618+/-290.960 χ^2/NDF: 50.4/37

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2427.636+/-349.177 χ^2/NDF:44.5/33

Out: 2356.889+/-338.610 χ^2/NDF:30.7/38

All: 2391.176+/-243.083 χ^2/NDF: 75.2/72



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

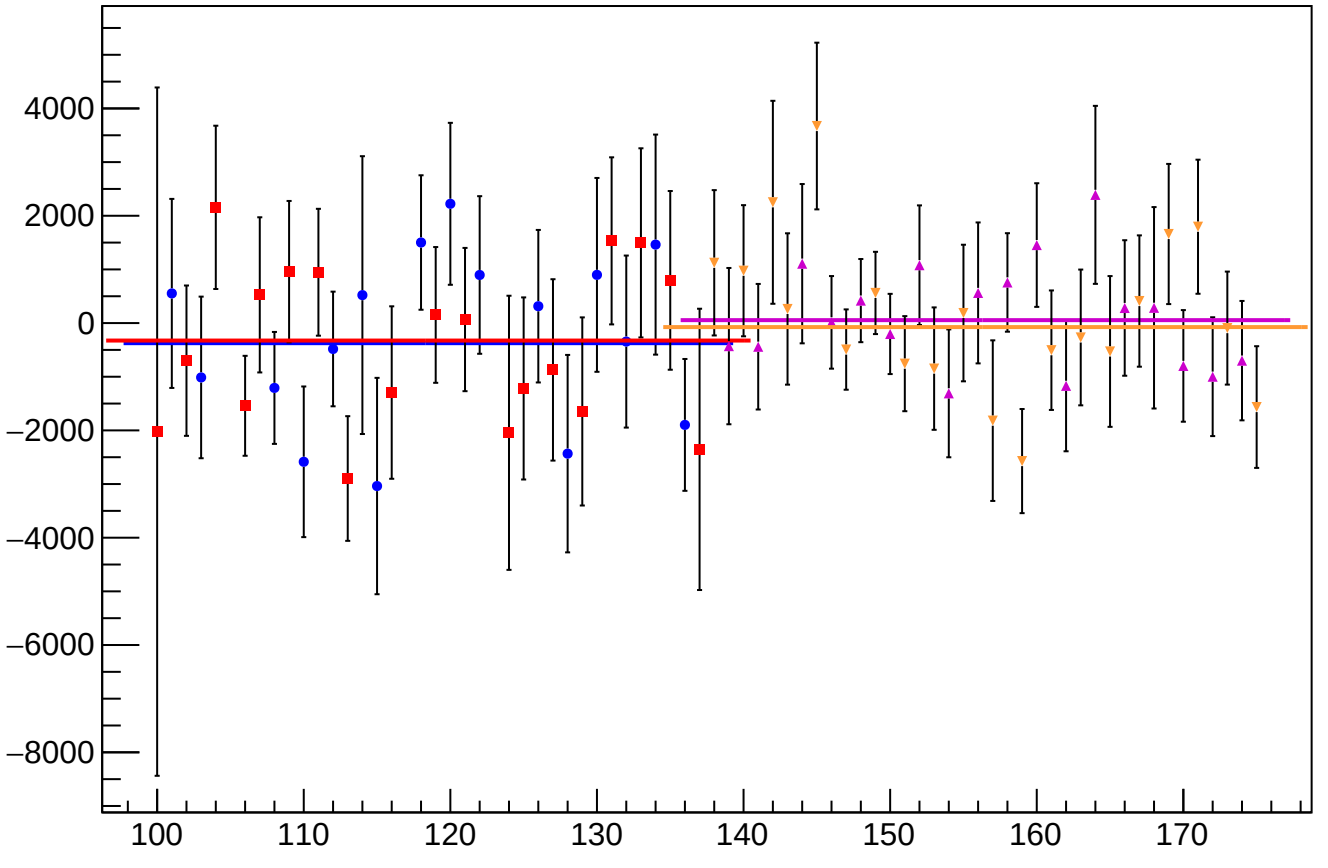
Left: 1613.668+/-0.206 χ^2/NDF: 3169.3/37

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.884+/-0.247 χ^2/NDF:674556.1/33

Out: 1627.097+/-0.239 χ^2/NDF:201913.1/38

All: 1628.448+/-0.172 χ^2/NDF: 876534.9/72



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -74.927+/-253.367 χ^2/NDF:25.2/19

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 54.675+/-258.402 χ^2/NDF:10.6/17

Left: -11.401+/-180.911 χ^2/NDF: 35.9/37

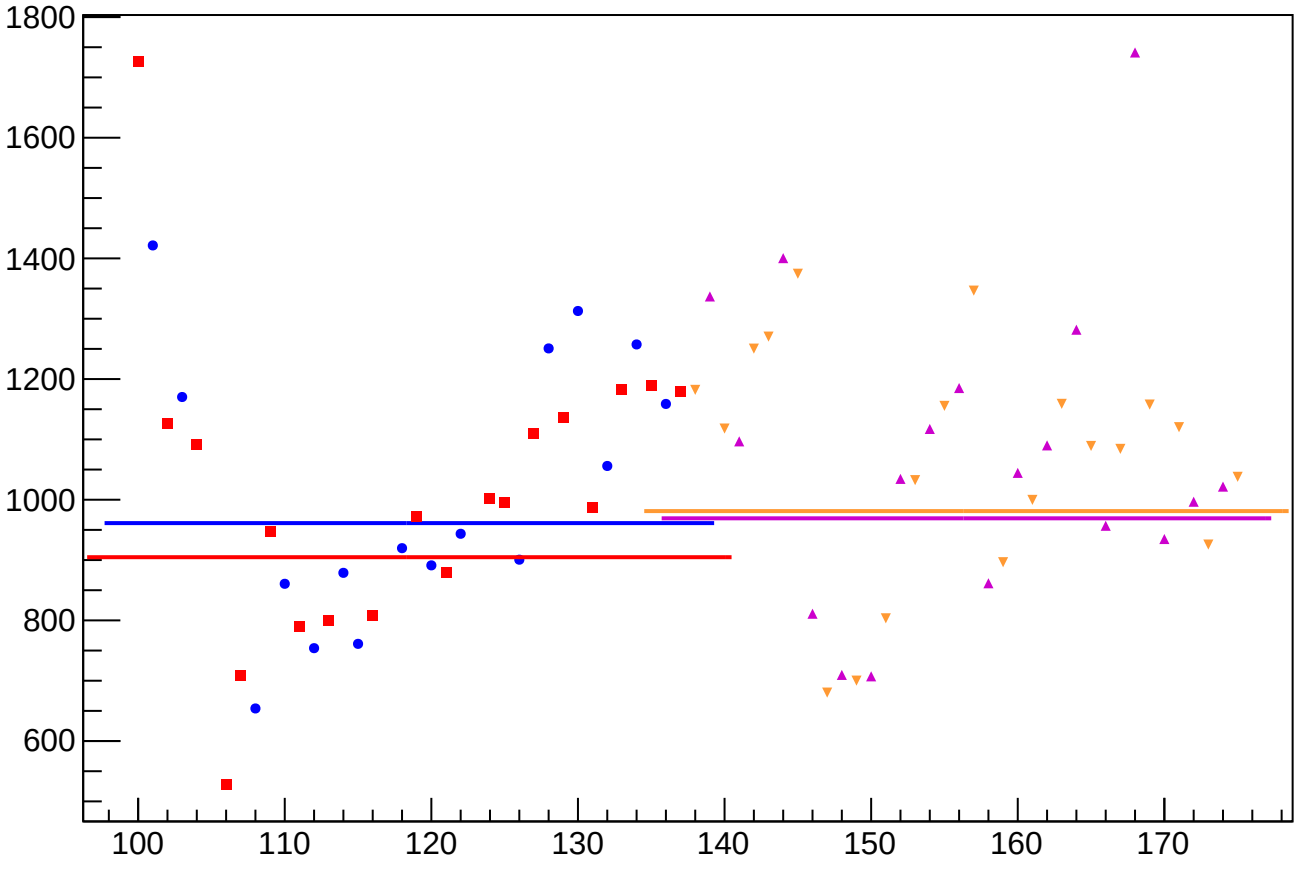
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -87.111+/-211.463 χ^2/NDF:27.2/33

Out: -164.244+/-203.293 χ^2/NDF:42.9/38

All: -127.197+/-146.553 χ^2/NDF: 70.2/72

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 981.144+/-0.179 χ^2/NDF:1308290.3/19

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 969.162+/-0.183 χ^2/NDF:1422143.7/17

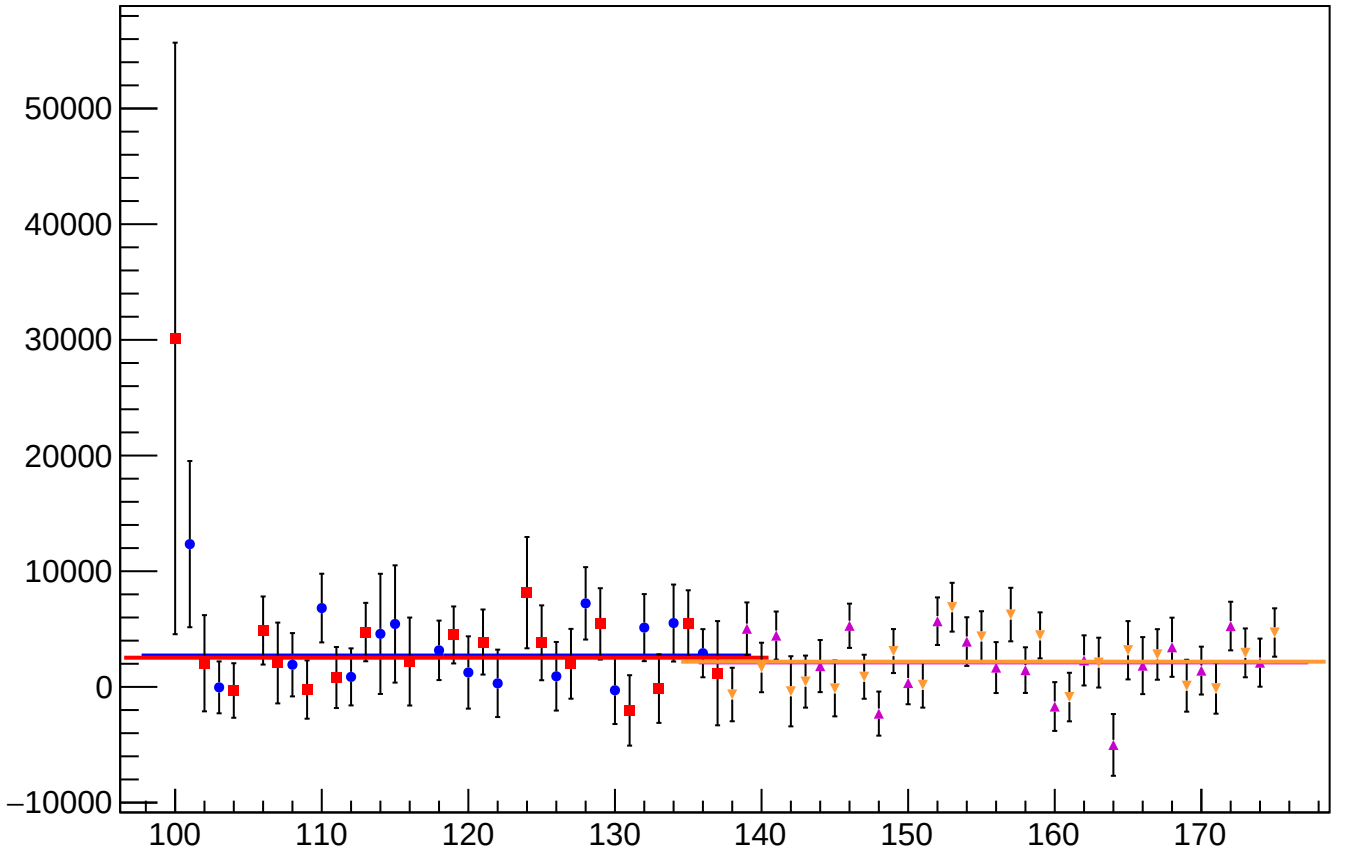
Left: 975.271+/-0.128 χ^2/NDF: 2732626.7/37

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 966.545+/-0.150 χ^2/NDF:2114648.2/33

Out: 953.926+/-0.144 χ^2/NDF:2109567.4/38

All: 959.987+/-0.104 χ^2/NDF: 4227916.7/72



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2181.014+/-485.783 χ^2/NDF:21.8/19

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2122.853+/-501.209 χ^2/NDF:28.9/17

Left: 2152.842+/-348.827 χ^2/NDF: 50.7/37

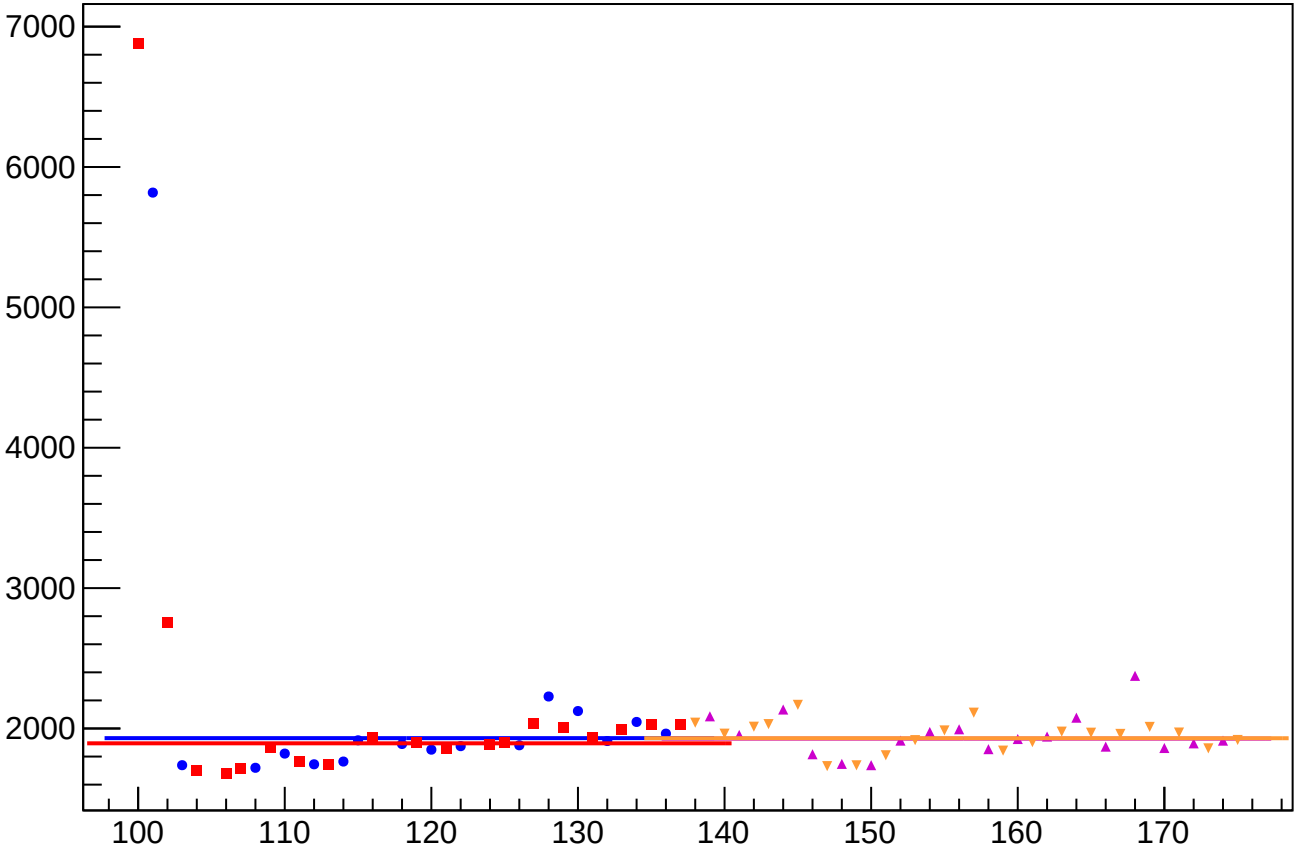
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2309.632+/-414.109 χ^2/NDF:41.5/33

Out: 2291.621+/-400.279 χ^2/NDF:35.2/38

All: 2300.320+/-287.805 χ^2/NDF: 76.7/72

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.569+/-0.344 χ^2/NDF:105523.7/19

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1927.724+/-0.354 χ^2/NDF:150008.9/17

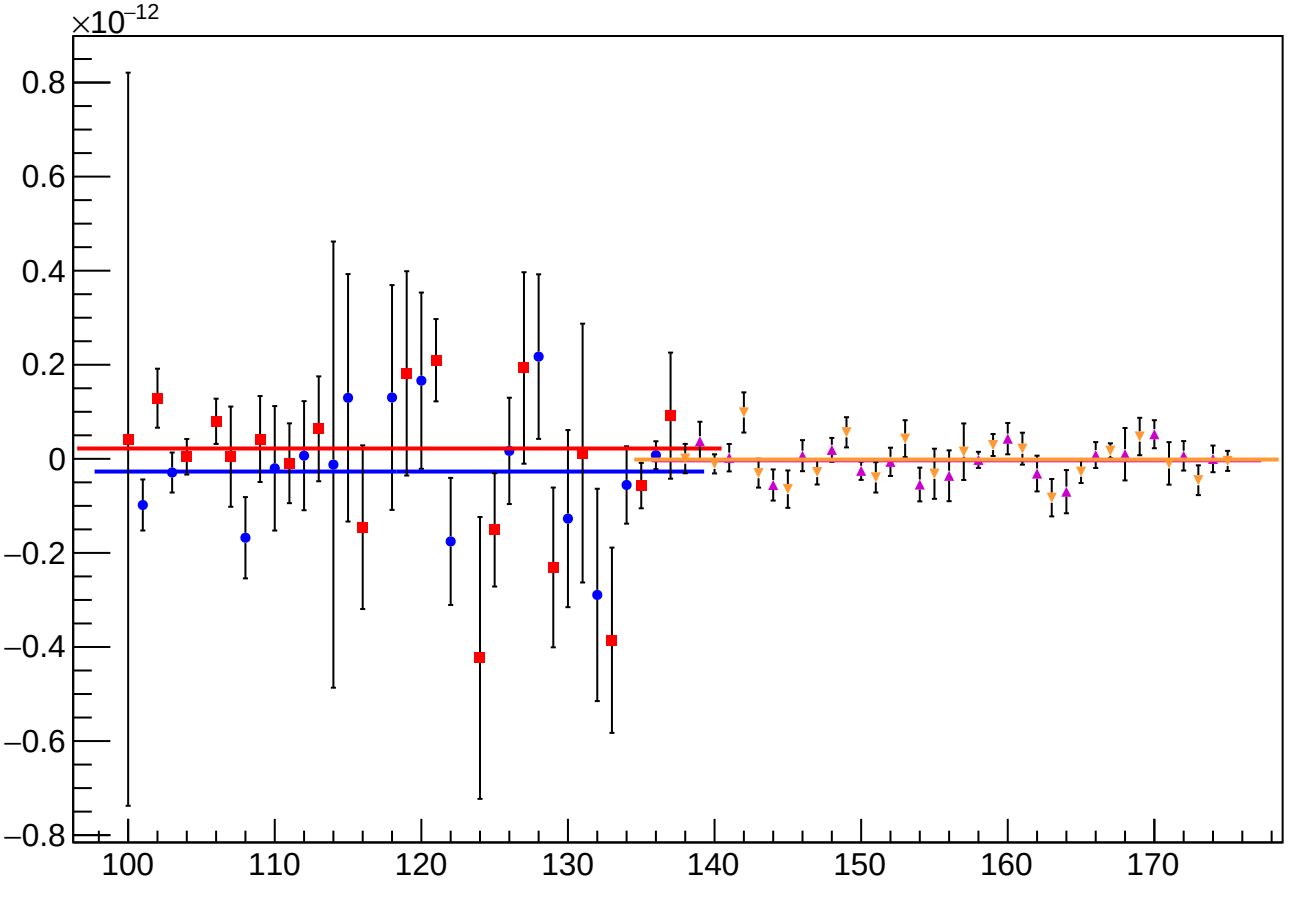
Left: 1929.191+/-0.247 χ^2/NDF: 255565.8/37

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1928.843+/-0.293 χ^2/NDF:811267.4/33

Out: 1918.940+/-0.283 χ^2/NDF:329634.3/38

All: 1923.723+/-0.204 χ^2/NDF: 1141492.9/72



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/17

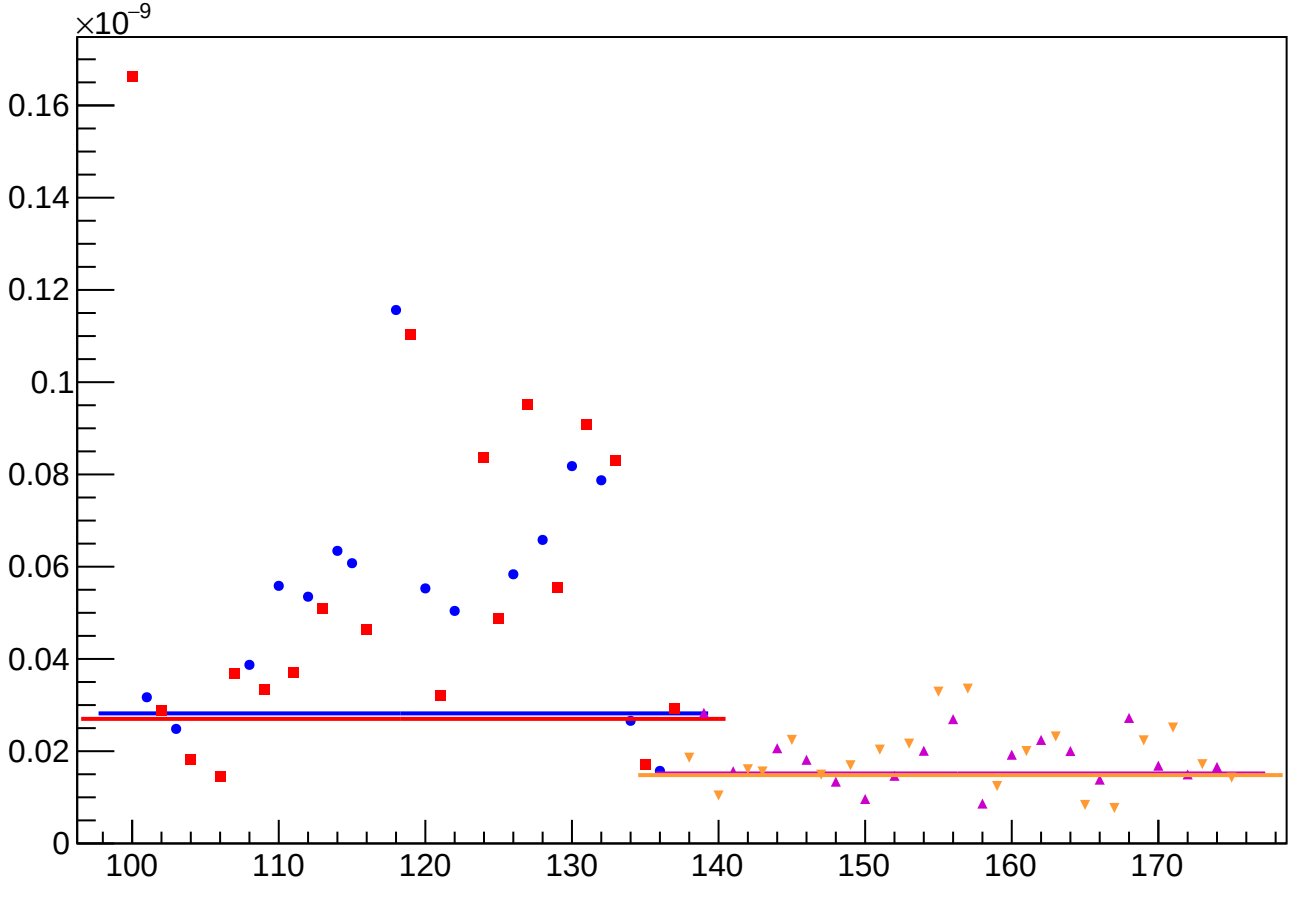
Left: -0.000+/-0.000 χ^2/NDF: 45.3/37

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.6/33

Out: 0.000+/-0.000 χ^2/NDF:55.5/38

All: -0.000+/-0.000 χ^2/NDF: 86.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645395.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1103848.1/17

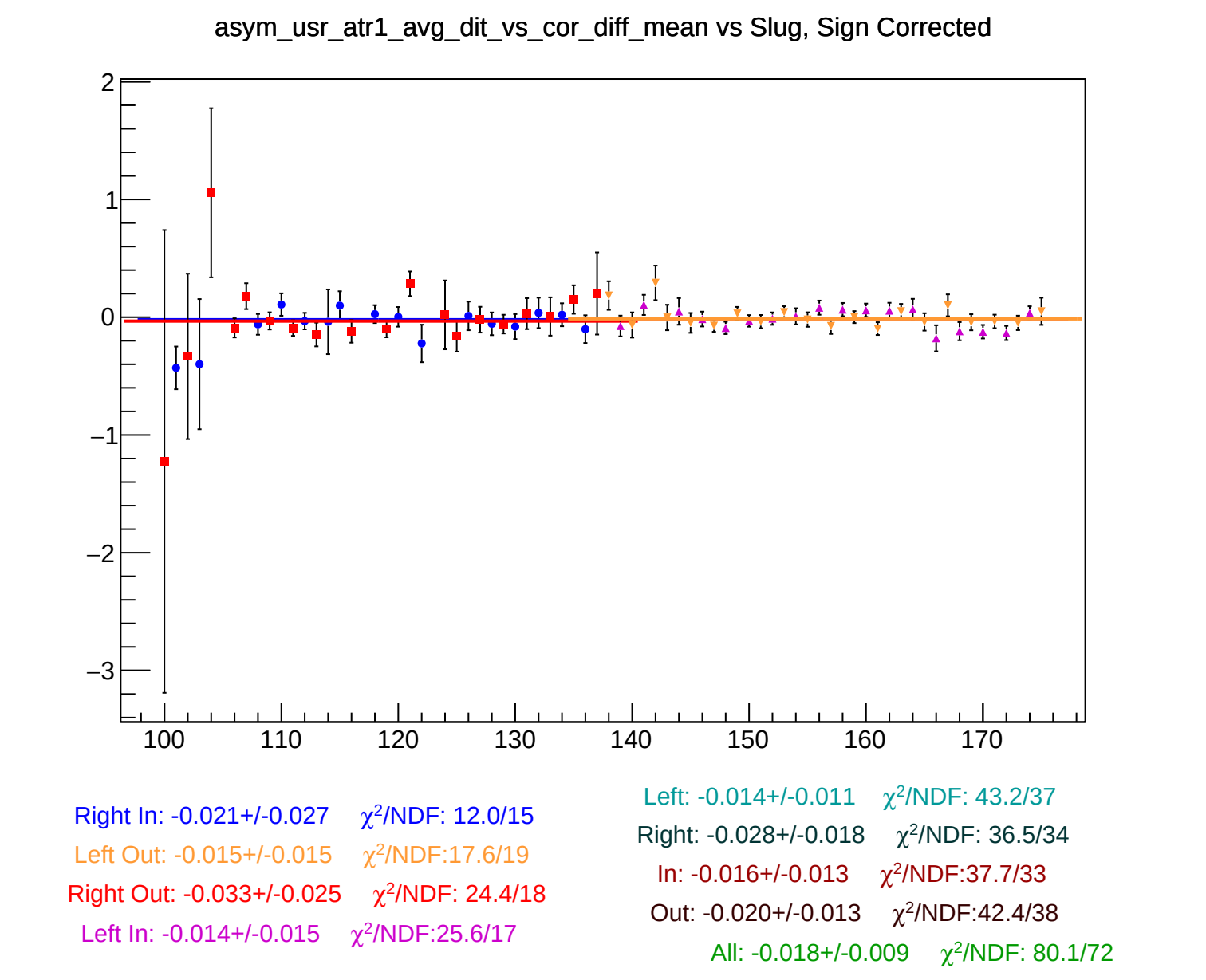
Left: 0.000+/-0.000 χ^2/NDF: 2752054.0/37

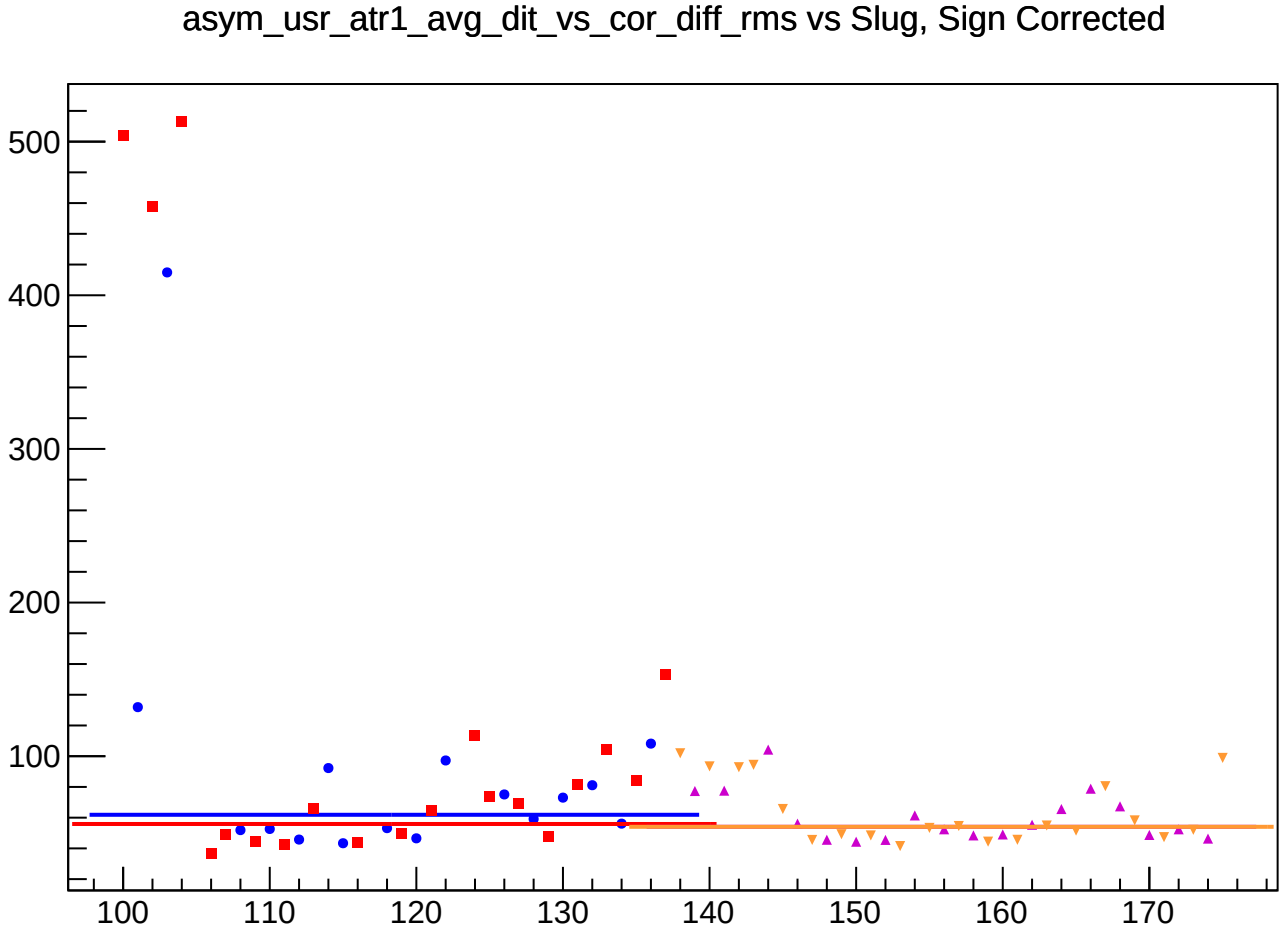
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3409743.4/33

Out: 0.000+/-0.000 χ^2/NDF:3913650.0/38

All: 0.000+/-0.000 χ^2/NDF: 7333748.2/72


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.015+/-0.015 χ²/NDF:17.6/19
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.014+/-0.015 χ²/NDF:25.6/17
Left: -0.014+/-0.011 χ²/NDF: 43.2/37
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.016+/-0.013 χ²/NDF:37.7/33
Out: -0.020+/-0.013 χ²/NDF:42.4/38
All: -0.018+/-0.009 χ²/NDF: 80.1/72



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880171.0/19

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

Left: 54.049+/-0.008 χ^2/NDF: 3062104.8/37

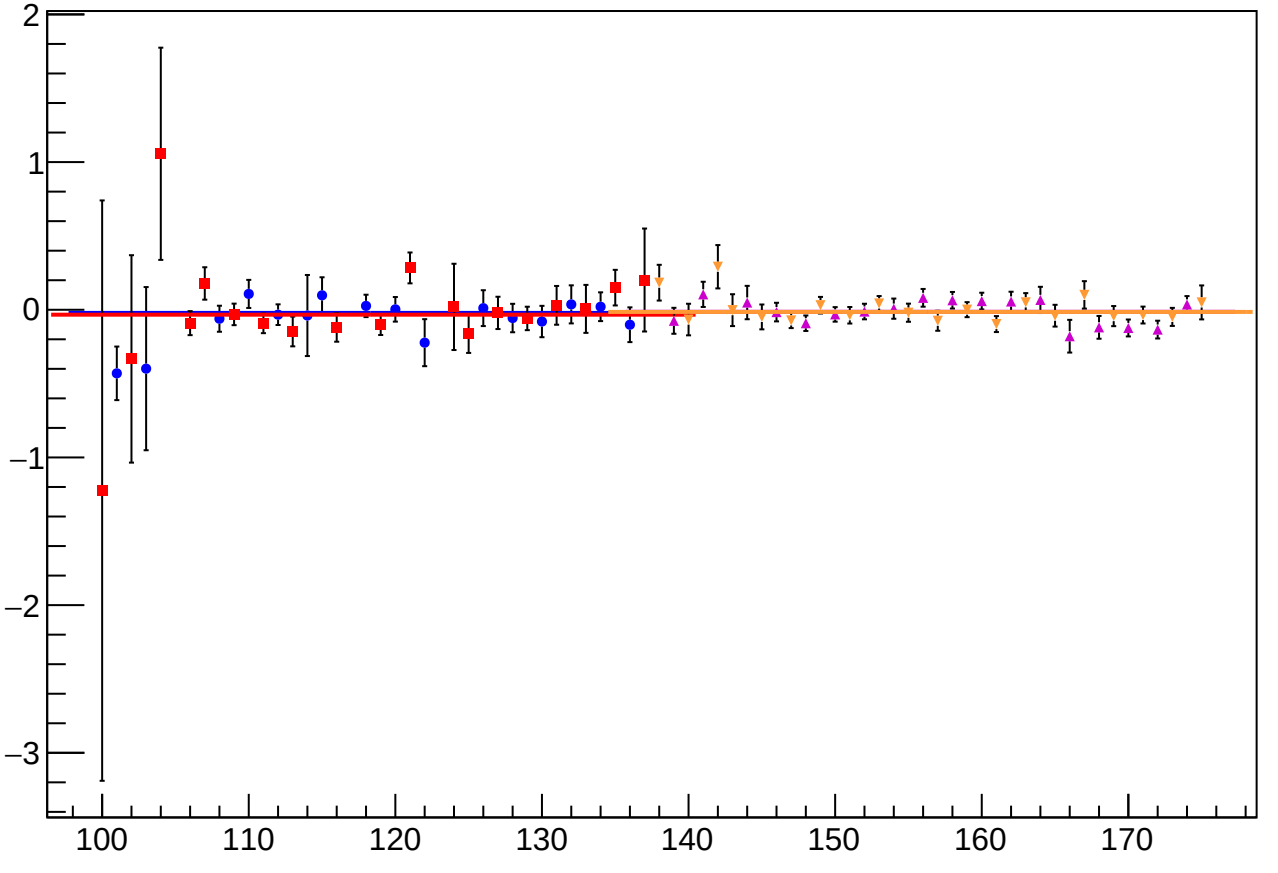
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.971+/-0.009 χ^2/NDF:3250981.1/33

Out: 54.548+/-0.009 χ^2/NDF:4479577.3/38

All: 55.239+/-0.006 χ^2/NDF: 7742579.6/72

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.014+/-0.015 χ^2/NDF:25.6/17

Left: -0.014+/-0.011 χ^2/NDF: 43.2/37

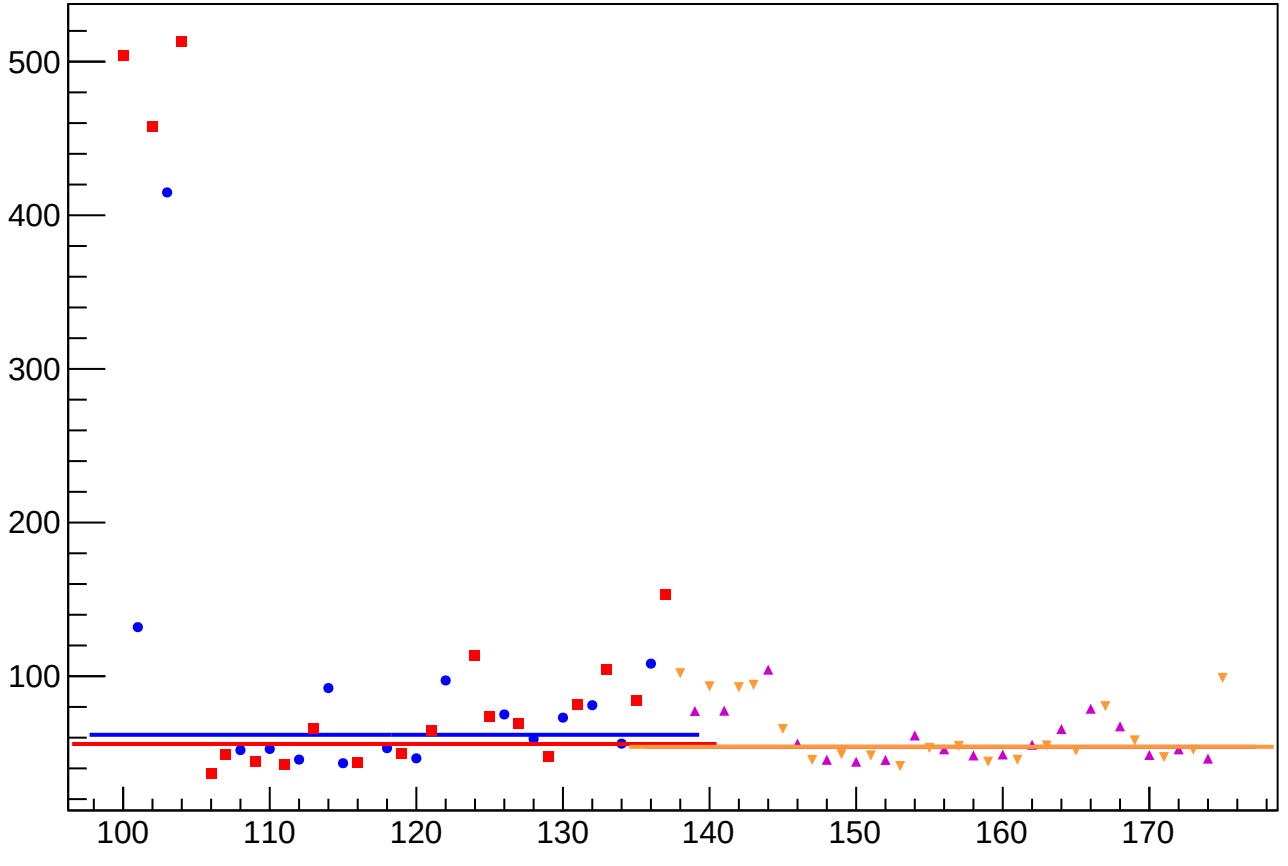
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.016+/-0.013 χ^2/NDF:37.7/33

Out: -0.020+/-0.013 χ^2/NDF:42.4/38

All: -0.018+/-0.009 χ^2/NDF: 80.1/72

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880171.0/19

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

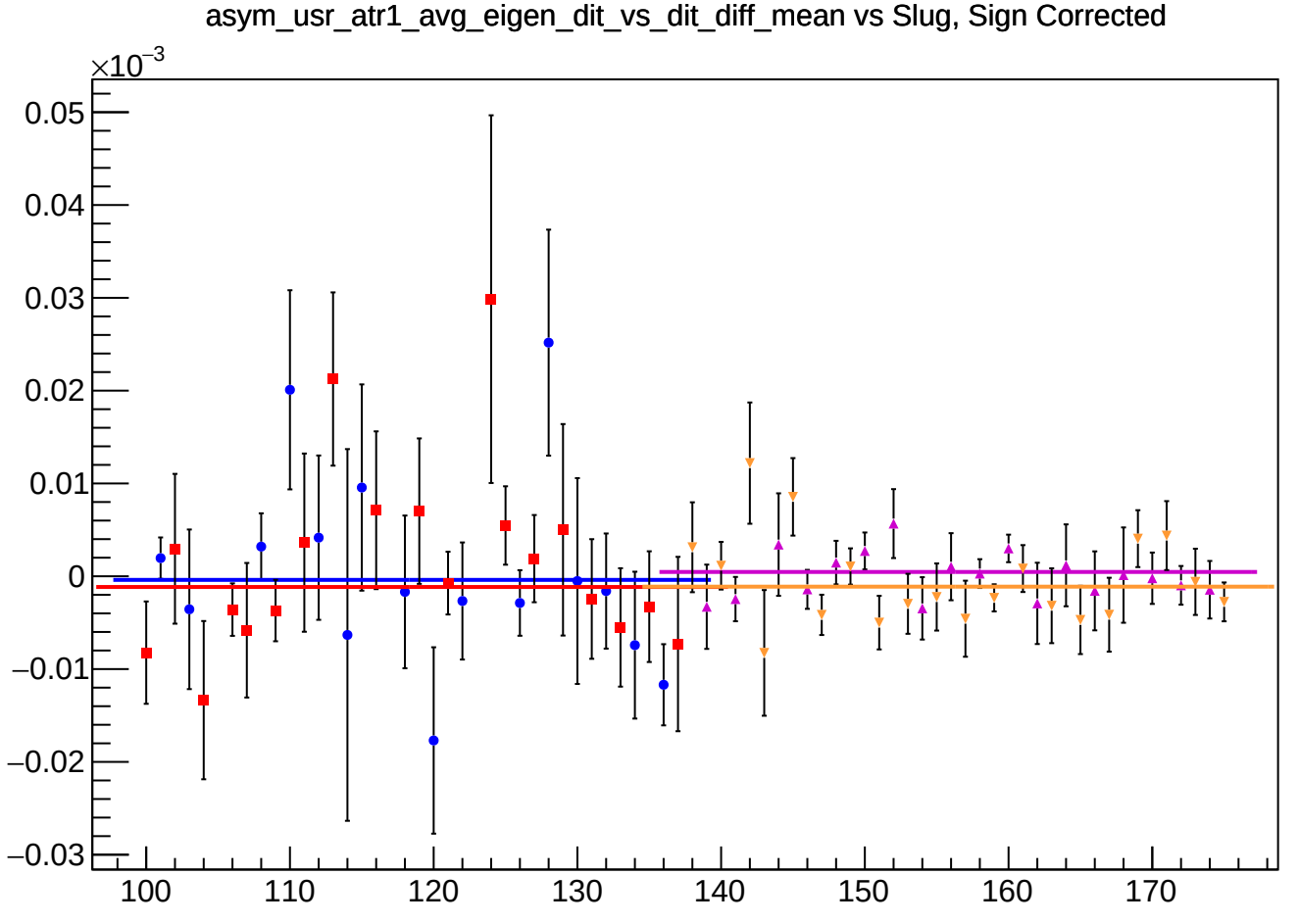
Left: 54.049+/-0.008 χ^2/NDF: 3062104.8/37

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.971+/-0.009 χ^2/NDF:3250981.1/33

Out: 54.548+/-0.009 χ^2/NDF:4479577.3/38

All: 55.239+/-0.006 χ^2/NDF: 7742579.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/17

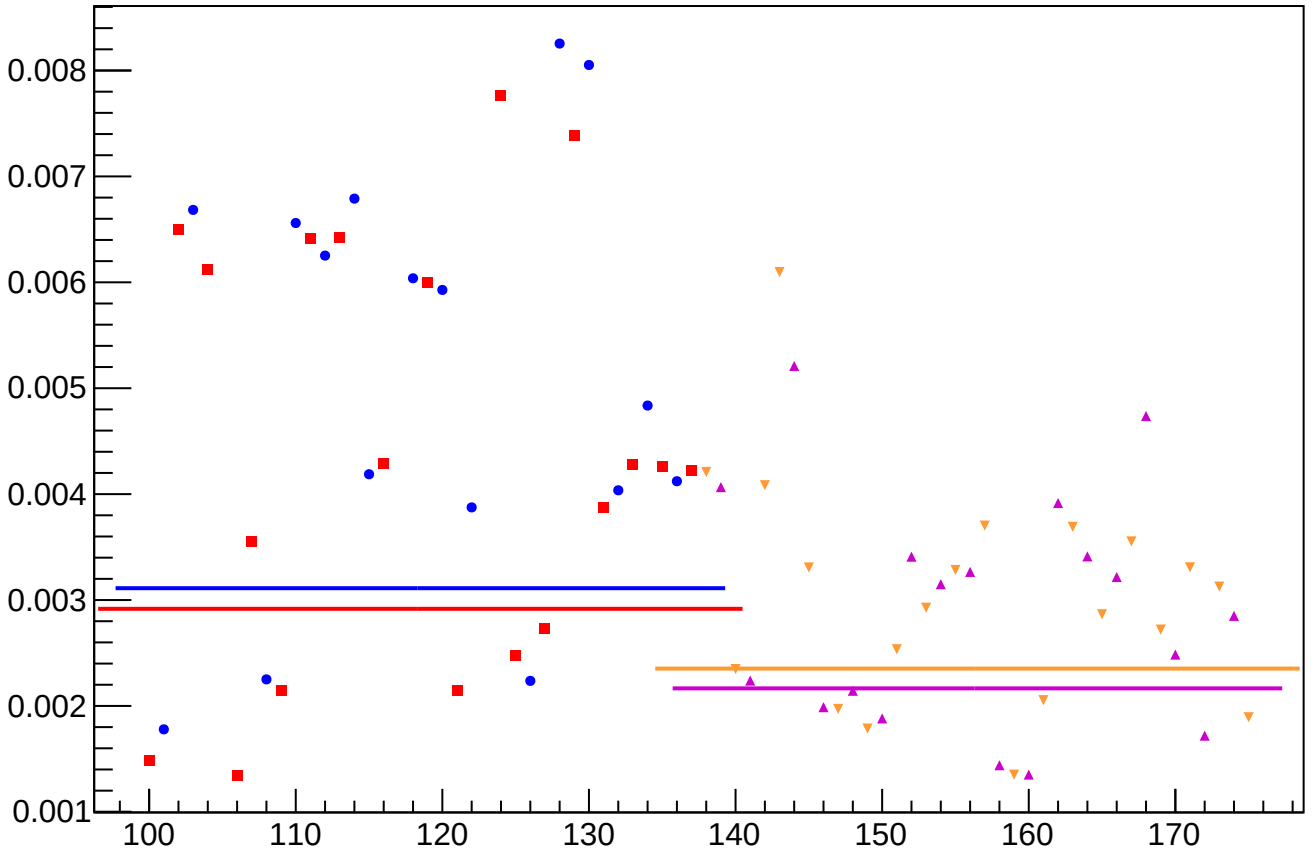
Left: -0.000+/-0.000 χ^2/NDF: 43.1/37

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:35.7/33

Out: -0.000+/-0.000 χ^2/NDF:47.5/38

All: -0.000+/-0.000 χ^2/NDF: 86.5/72



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3561515.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3955965.8/17

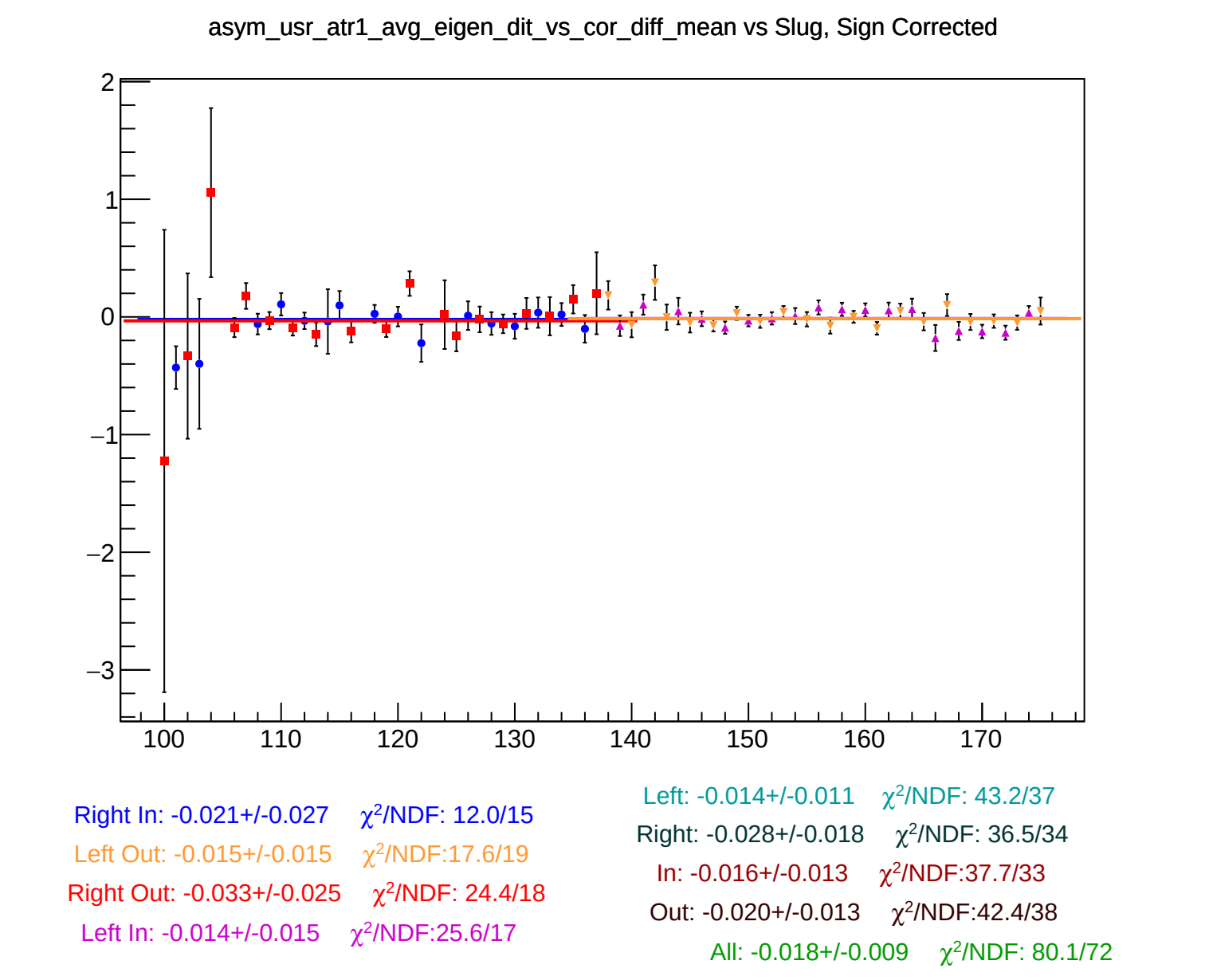
Left: 0.002+/-0.000 χ^2/NDF: 7606683.4/37

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

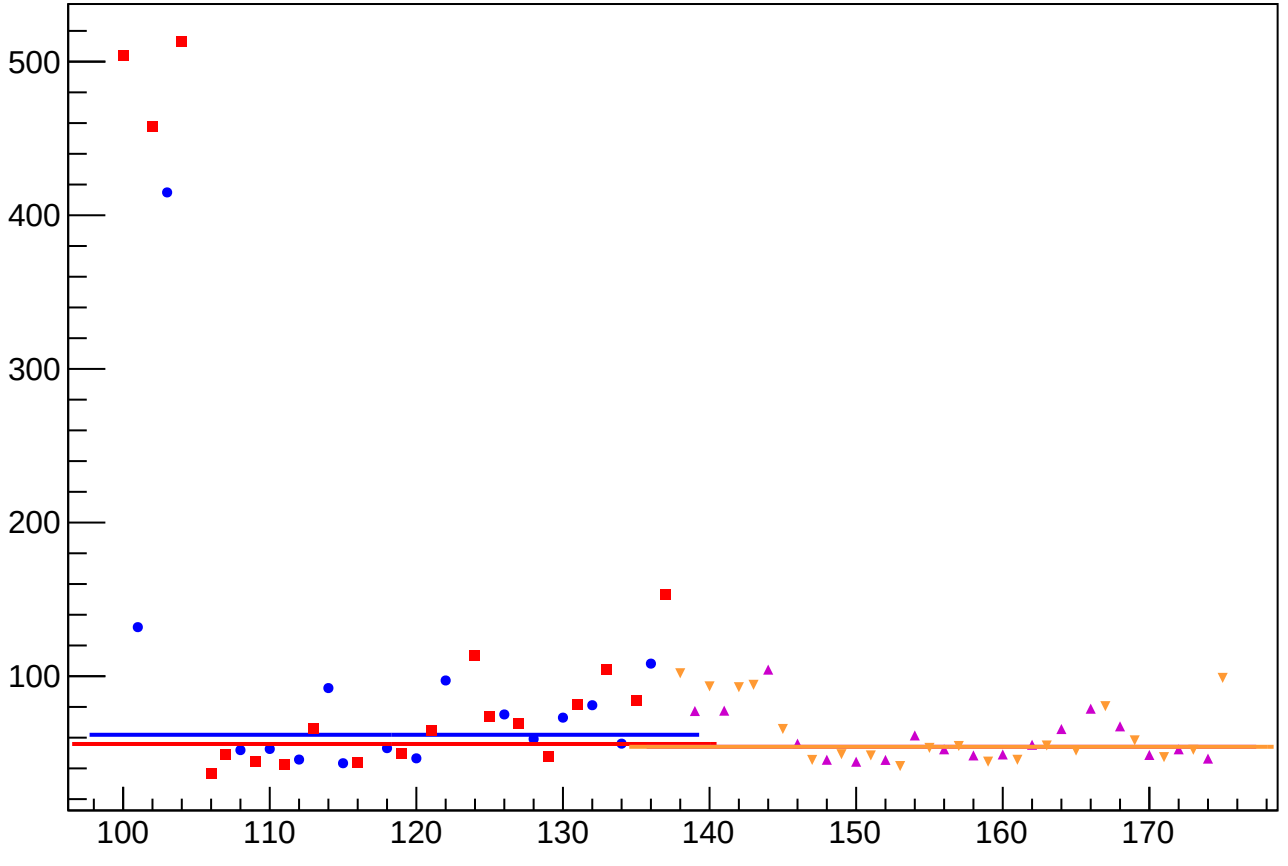
In: 0.002+/-0.000 χ^2/NDF:8074187.6/33

Out: 0.002+/-0.000 χ^2/NDF:7178698.5/38

All: 0.002+/-0.000 χ^2/NDF: 15314779.8/72


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.015+/-0.015 χ²/NDF:17.6/19
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.014+/-0.015 χ²/NDF:25.6/17
Left: -0.014+/-0.011 χ²/NDF: 43.2/37
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.016+/-0.013 χ²/NDF:37.7/33
Out: -0.020+/-0.013 χ²/NDF:42.4/38
All: -0.018+/-0.009 χ²/NDF: 80.1/72

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880213.9/19

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

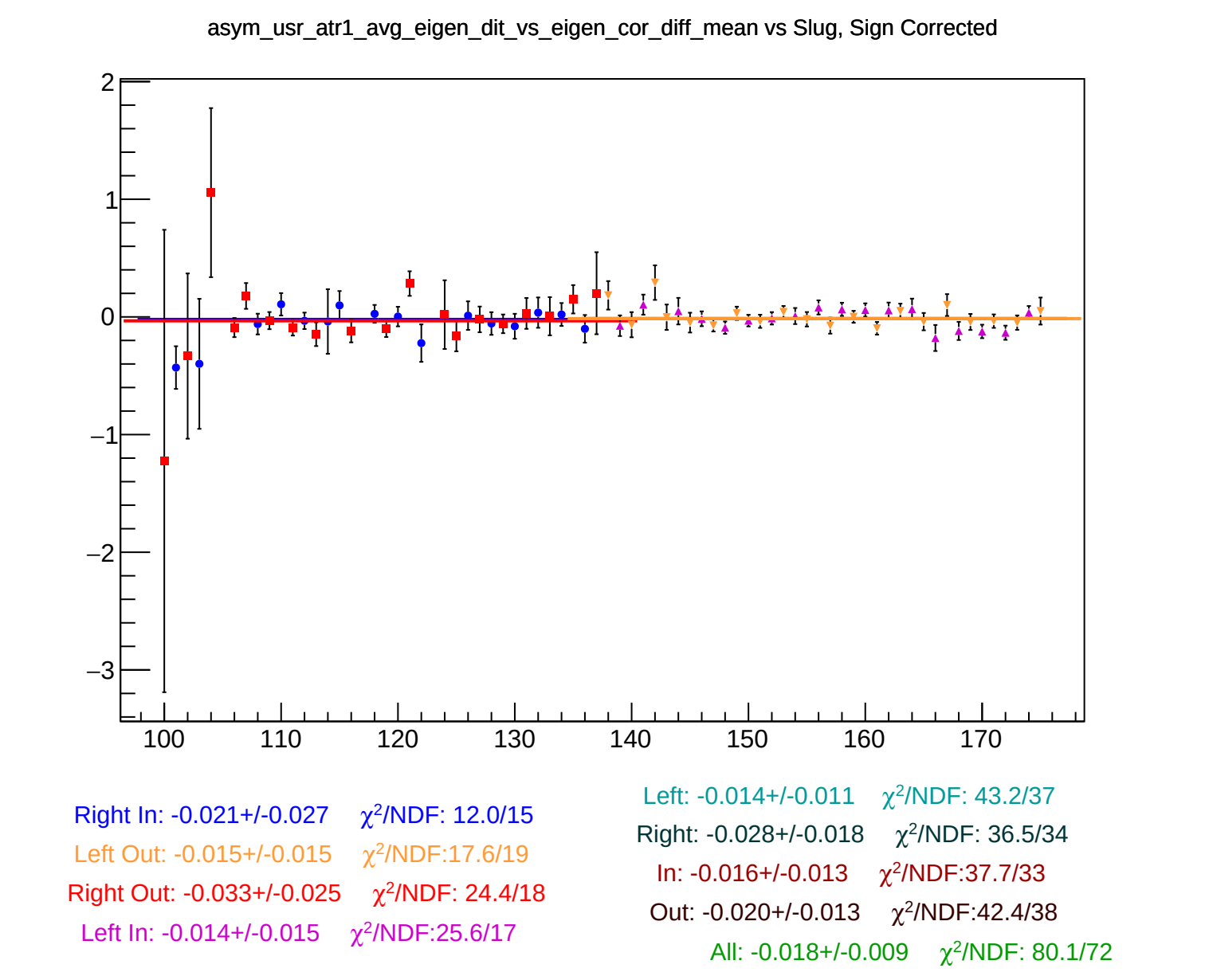
Left: 54.050+/-0.008 χ^2/NDF: 3062147.1/37

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

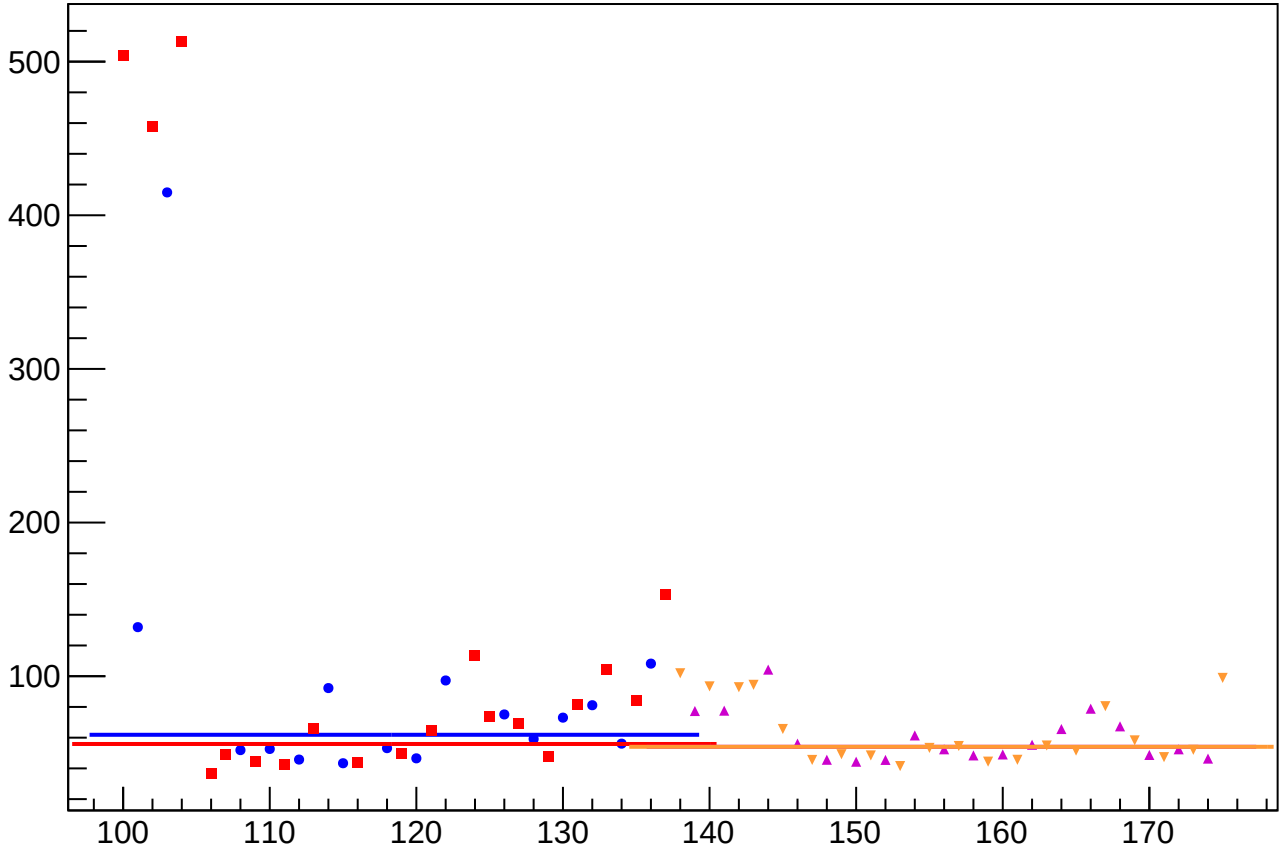
In: 55.971+/-0.009 χ^2/NDF:3250906.0/33

Out: 54.548+/-0.009 χ^2/NDF:4479570.6/38

All: 55.239+/-0.006 χ^2/NDF: 7742500.1/72


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.015+/-0.015 χ²/NDF:17.6/19
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.014+/-0.015 χ²/NDF:25.6/17
Left: -0.014+/-0.011 χ²/NDF: 43.2/37
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.016+/-0.013 χ²/NDF:37.7/33
Out: -0.020+/-0.013 χ²/NDF:42.4/38
All: -0.018+/-0.009 χ²/NDF: 80.1/72

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880213.9/19

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

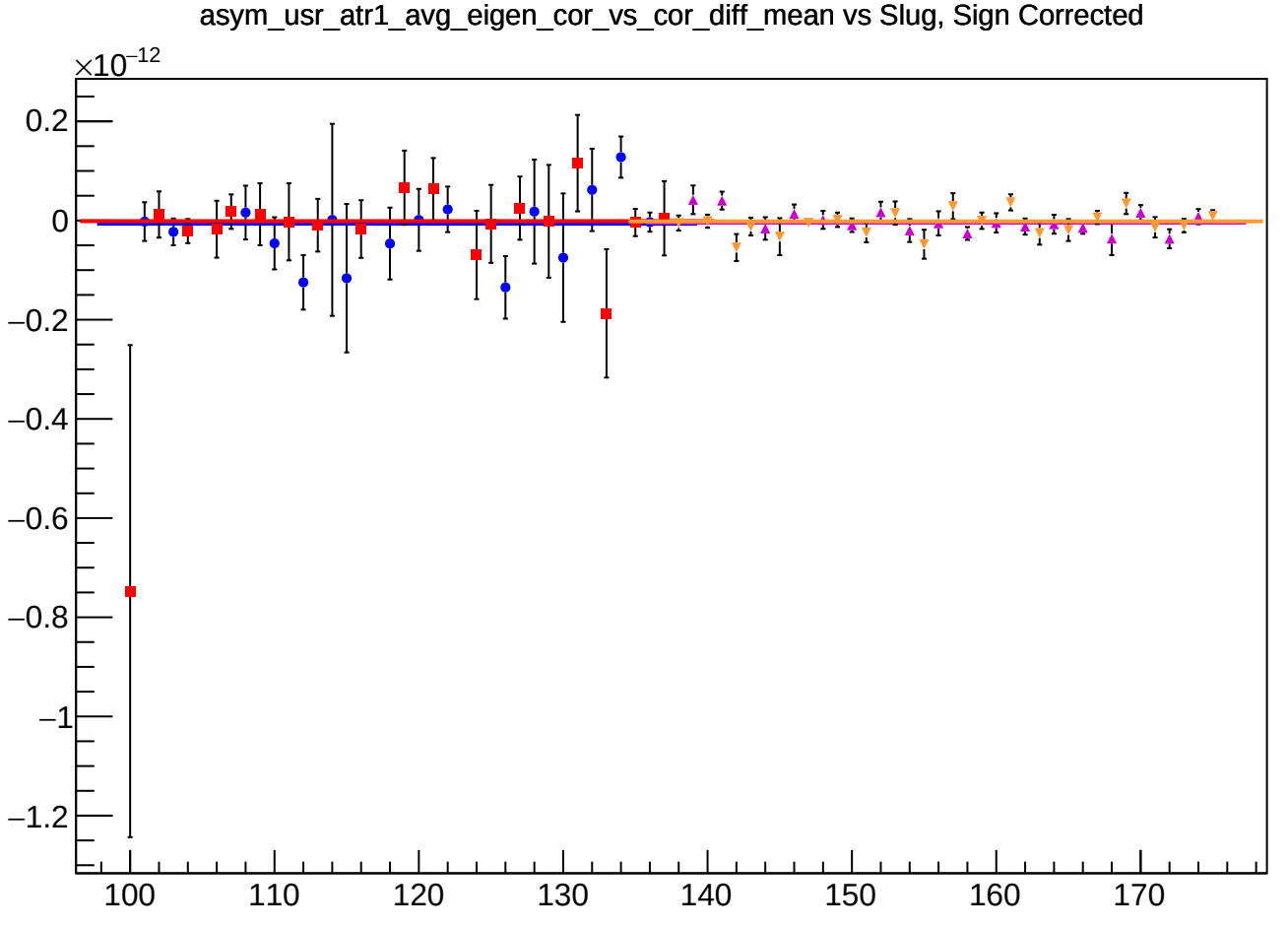
Left: 54.050+/-0.008 χ^2/NDF: 3062147.1/37

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.971+/-0.009 χ^2/NDF:3250906.0/33

Out: 54.548+/-0.009 χ^2/NDF:4479570.6/38

All: 55.239+/-0.006 χ^2/NDF: 7742500.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/17

Left: -0.000+/-0.000 χ^2/NDF: 44.2/37

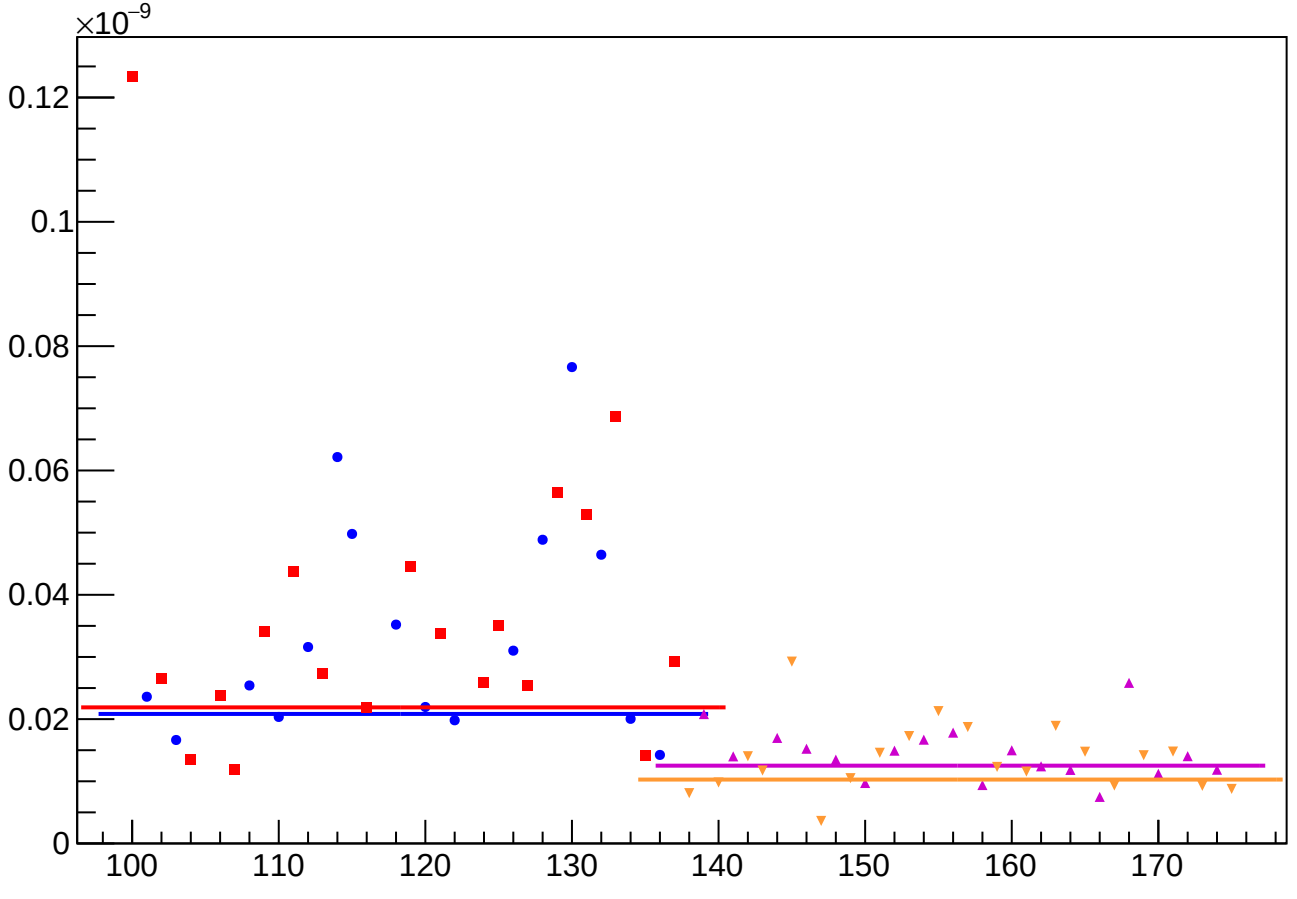
Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:44.0/33

Out: -0.000+/-0.000 χ^2/NDF:32.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.6/72

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3263448.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1422879.5/17

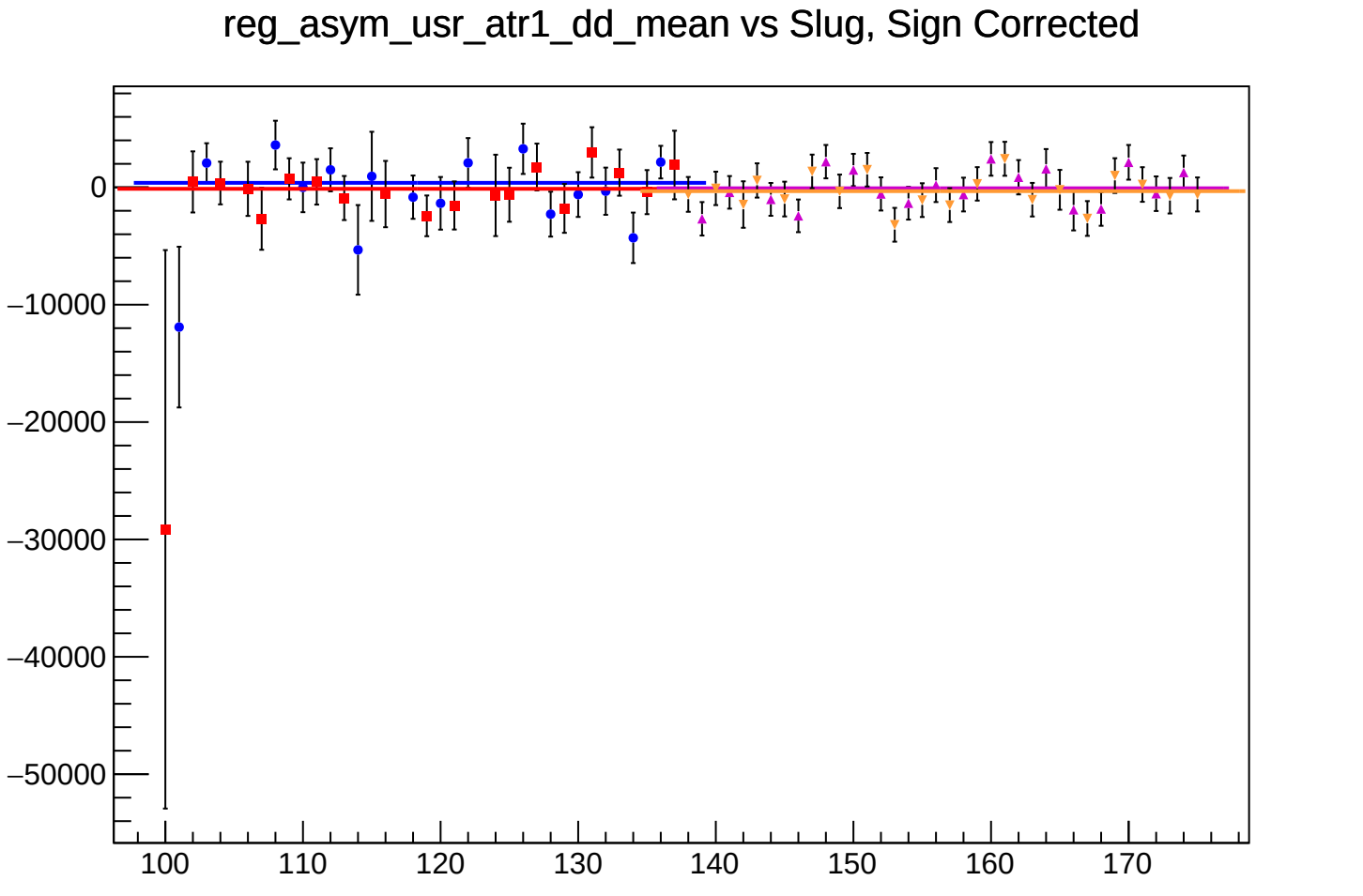
Left: 0.000+/-0.000 χ^2/NDF: 5011762.5/37

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3763501.7/33

Out: 0.000+/-0.000 χ^2/NDF:6911691.6/38

All: 0.000+/-0.000 χ^2/NDF: 11041373.1/72



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.189+/-330.860 χ^2/NDF:16.5/19

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -81.454+/-341.984 χ^2/NDF:21.9/17

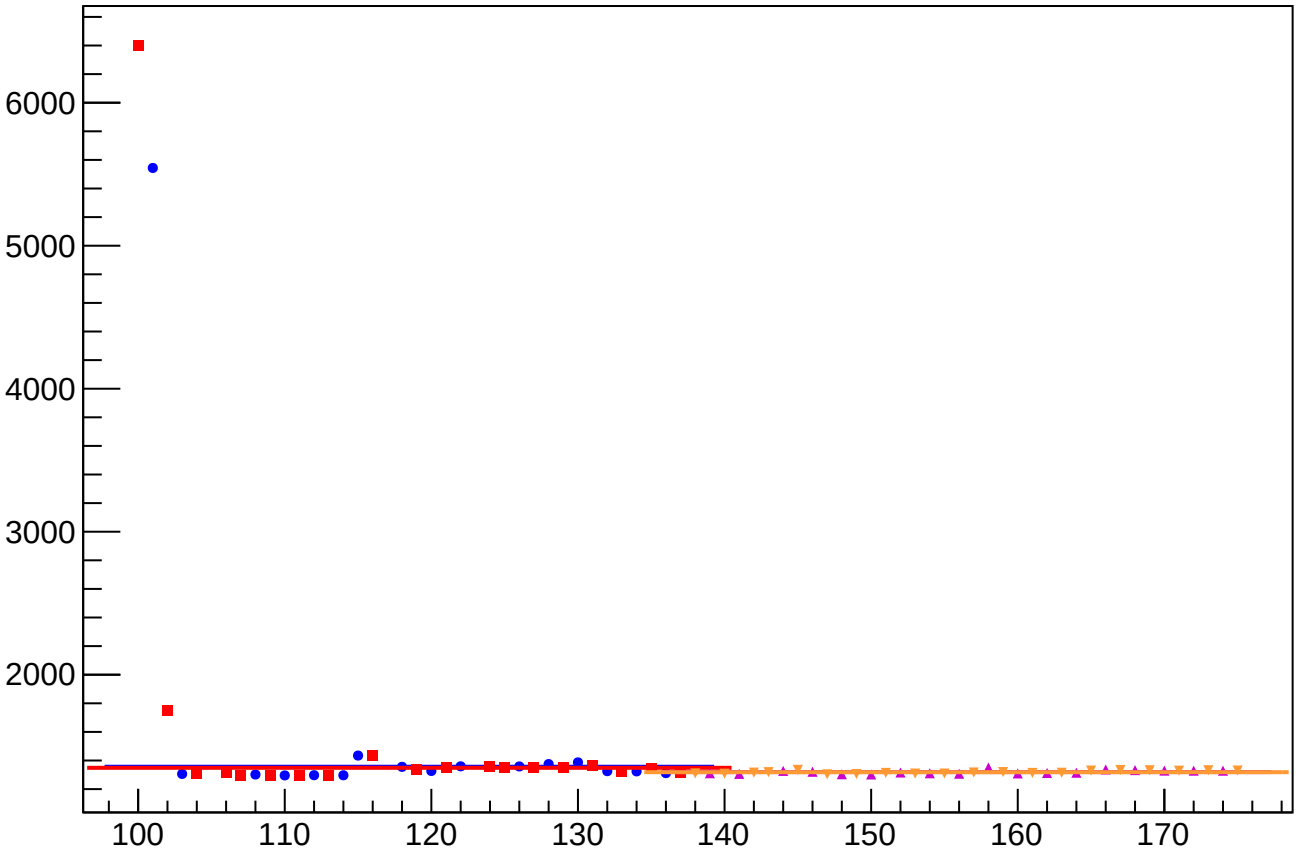
Left: -207.867+/-237.789 χ^2/NDF: 38.7/37

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 59.129+/-285.362 χ^2/NDF:44.0/33

Out: -265.979+/-276.086 χ^2/NDF:26.6/38

All: -108.794+/-198.421 χ^2/NDF: 71.2/72



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

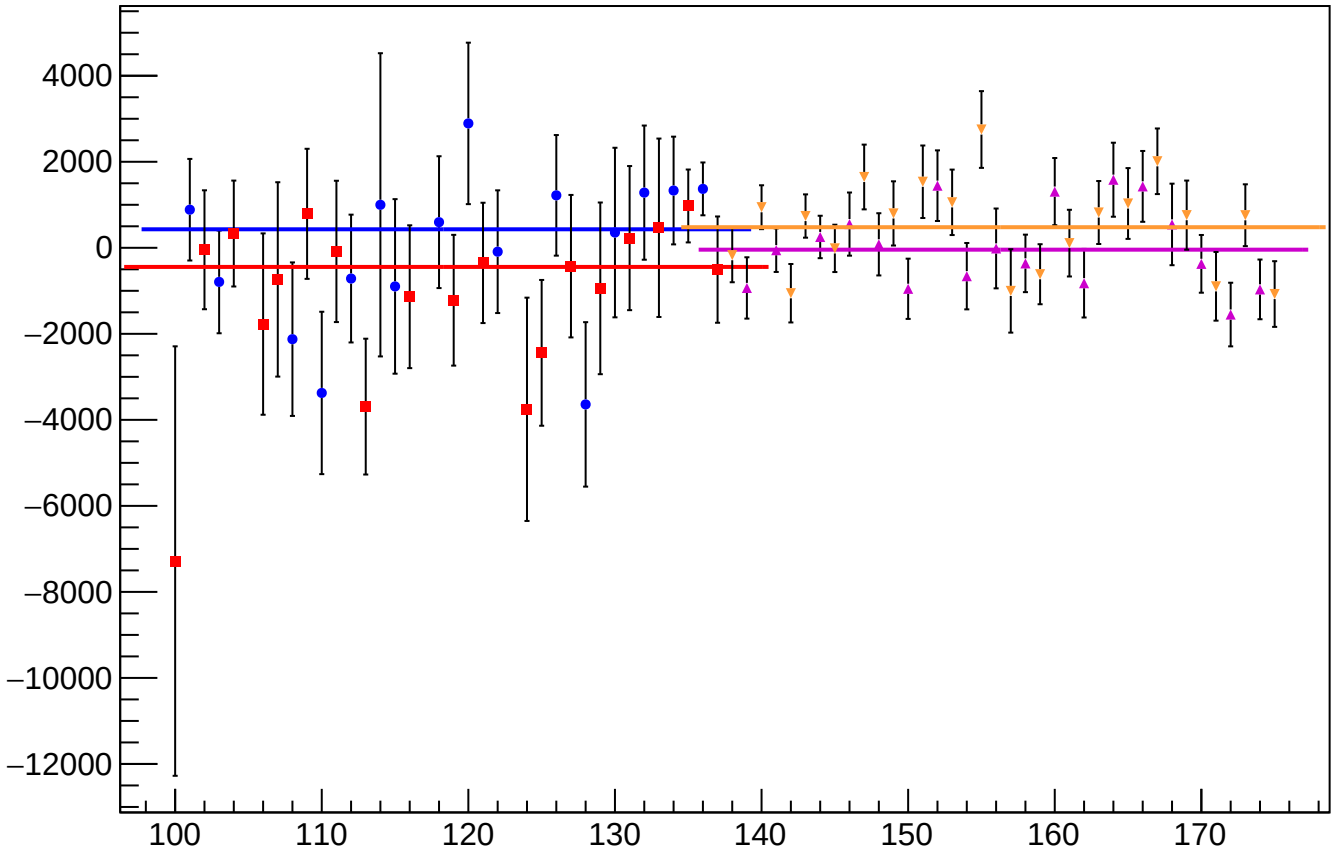
Left: 1318.778+/-0.168 χ^2/NDF: 4757.7/37

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.539+/-0.202 χ^2/NDF:770278.6/33

Out: 1327.634+/-0.195 χ^2/NDF:154378.6/38

All: 1329.039+/-0.140 χ^2/NDF: 924764.3/72



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 478.828+/-157.449 χ^2/NDF:36.4/19

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -43.517+/-167.535 χ^2/NDF:25.7/17

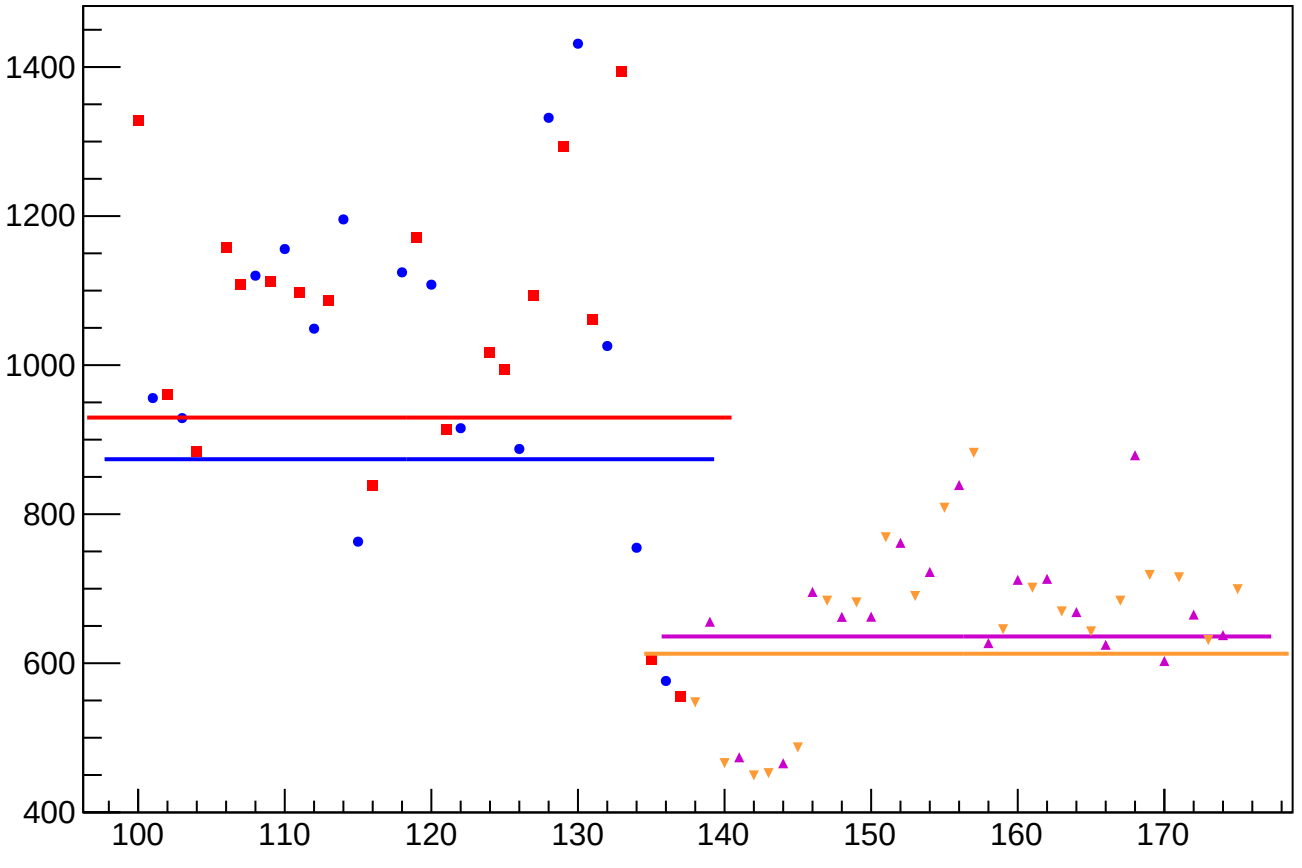
Left: 233.851+/-114.734 χ^2/NDF: 67.3/37

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 49.742+/-150.148 χ^2/NDF:45.5/33

Out: 327.470+/-143.968 χ^2/NDF:56.4/38

All: 194.439+/-103.917 χ^2/NDF: 103.7/72



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142269.2/19

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 635.886+/-0.118 χ^2/NDF:812670.7/17

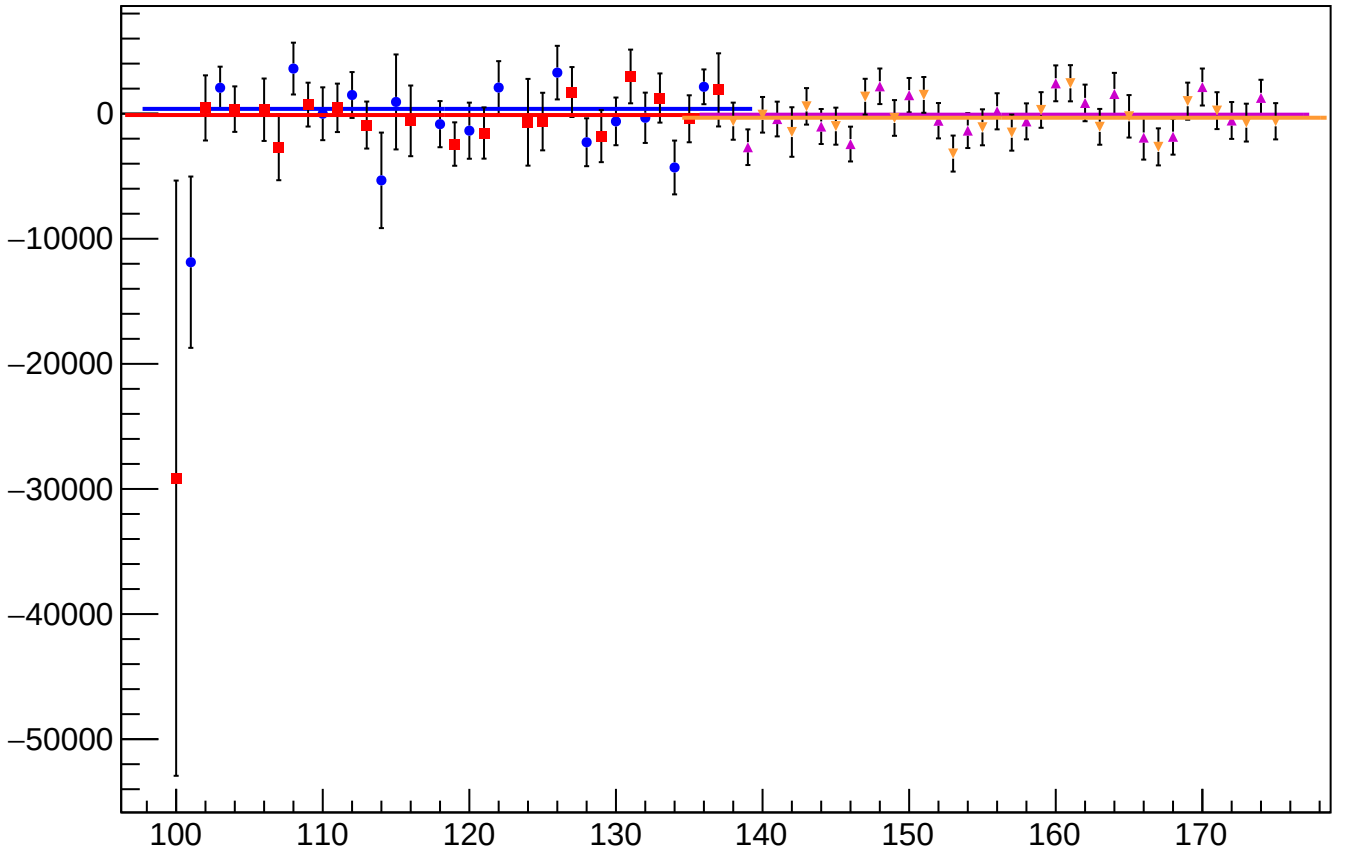
Left: 623.605+/-0.081 χ^2/NDF: 1975178.5/37

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 682.694+/-0.106 χ^2/NDF:2620830.1/33

Out: 664.699+/-0.102 χ^2/NDF:3330078.1/38

All: 673.319+/-0.073 χ^2/NDF: 5965873.9/72



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -81.497+/-341.984 χ^2/NDF:21.9/17

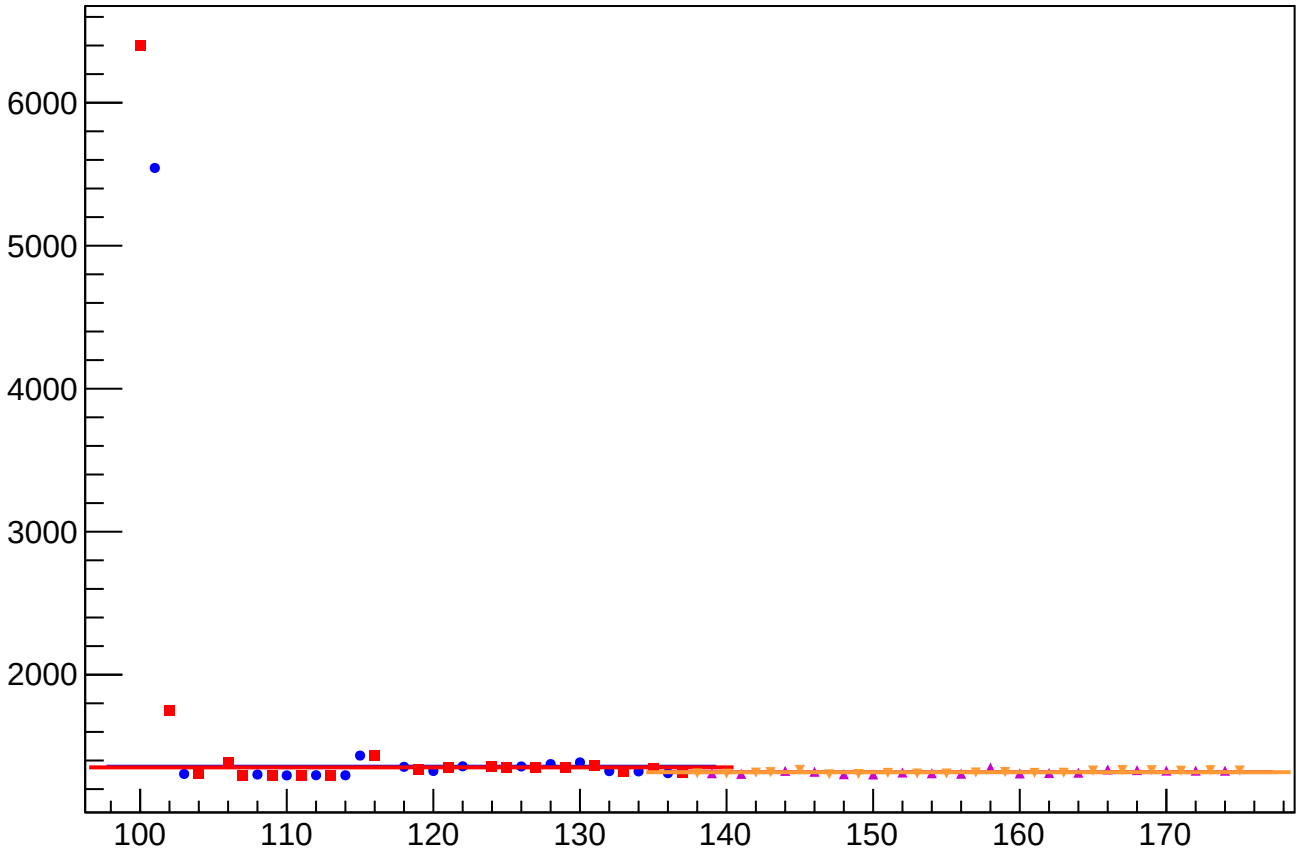
Left: -207.899+/-237.789 χ^2/NDF: 38.7/37

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 59.193+/-285.362 χ^2/NDF:43.9/33

Out: -260.946+/-276.372 χ^2/NDF:26.7/38

All: -105.999+/-198.526 χ^2/NDF: 71.2/72



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

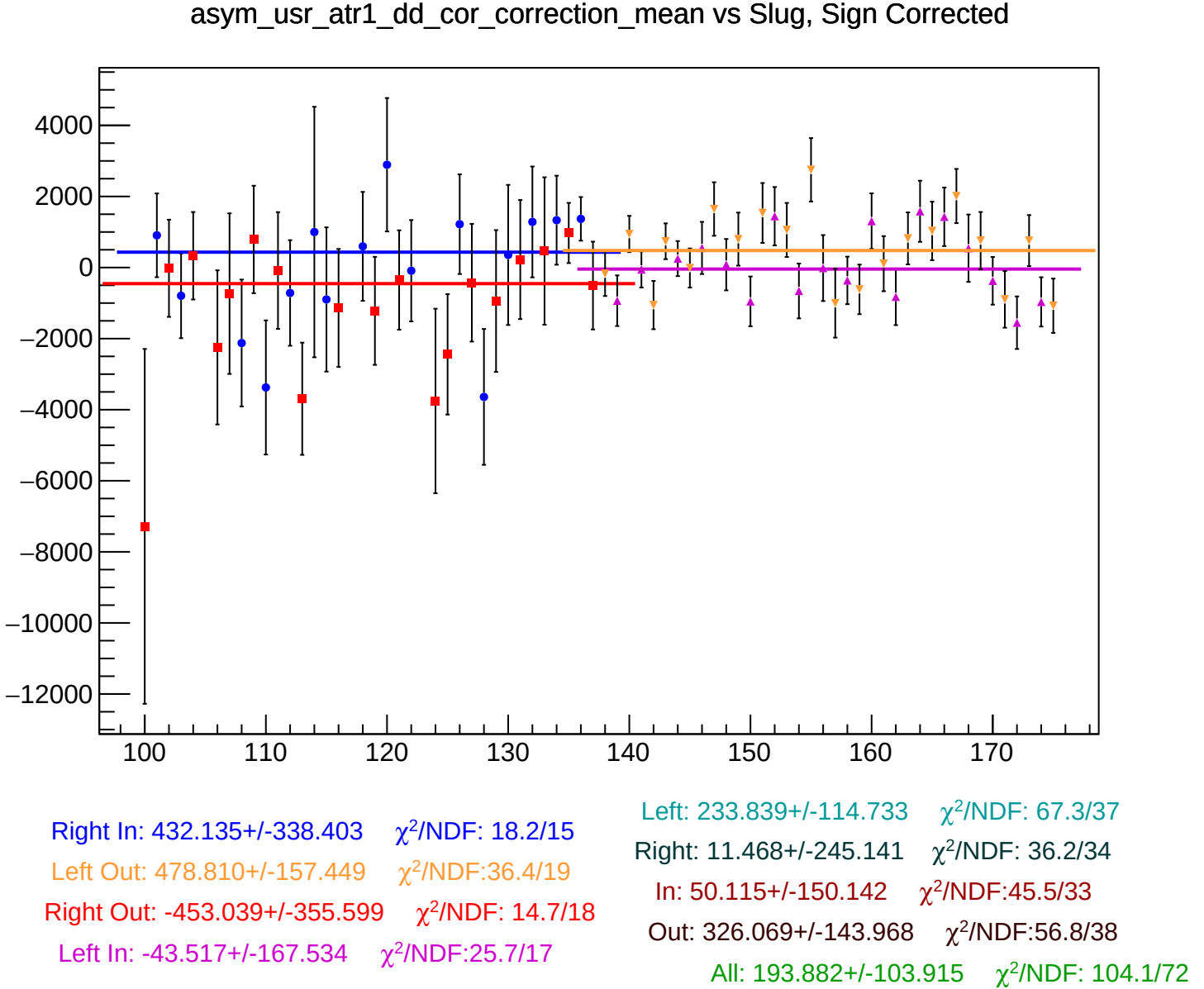
Left: 1318.778+/-0.168 χ^2/NDF: 4757.7/37

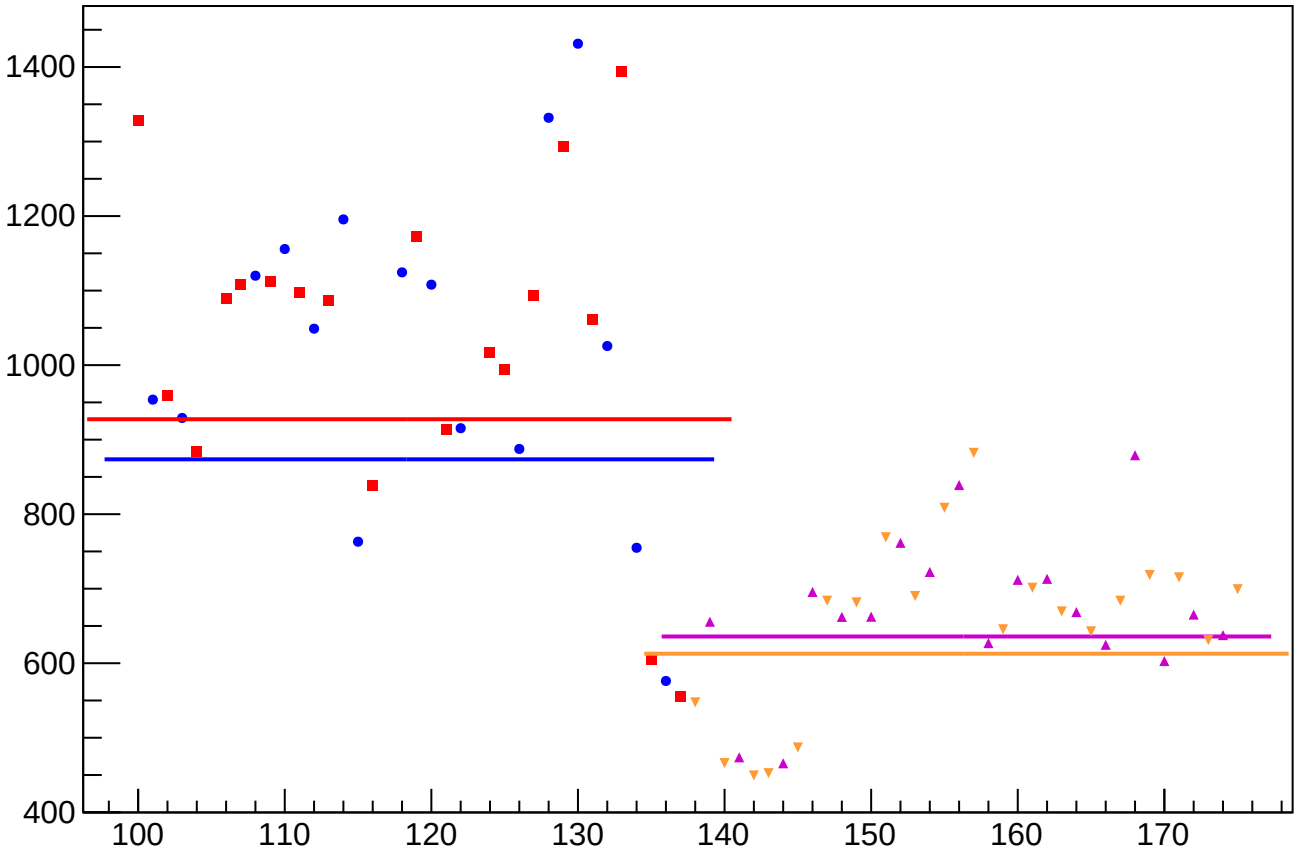
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.202 χ^2/NDF:770277.6/33

Out: 1328.530+/-0.195 χ^2/NDF:155520.5/38

All: 1329.502+/-0.140 χ^2/NDF: 925849.3/72


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 478.810+/-157.449 χ²/NDF:36.4/19
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -43.517+/-167.534 χ²/NDF:25.7/17
Left: 233.839+/-114.733 χ²/NDF: 67.3/37
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 50.115+/-150.142 χ²/NDF:45.5/33
Out: 326.069+/-143.968 χ²/NDF:56.8/38
All: 193.882+/-103.915 χ²/NDF: 104.1/72



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

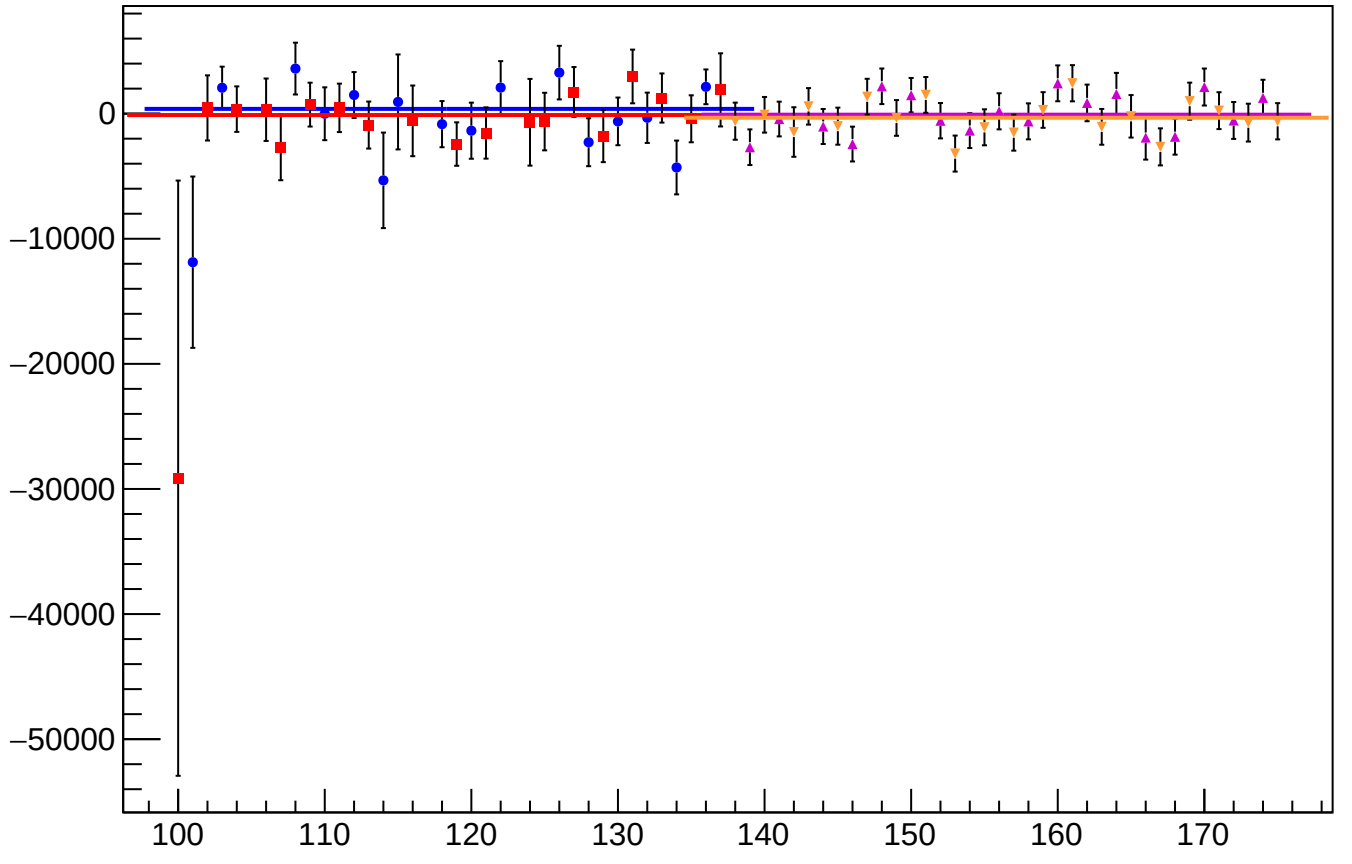
Left: 623.602+/-0.081 χ^2/NDF: 1975152.5/37

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 682.676+/-0.106 χ^2/NDF:2619848.7/33

Out: 664.333+/-0.102 χ^2/NDF:3298793.4/38

All: 673.120+/-0.073 χ^2/NDF: 5934195.2/72



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -81.497+/-341.984 χ^2/NDF:21.9/17

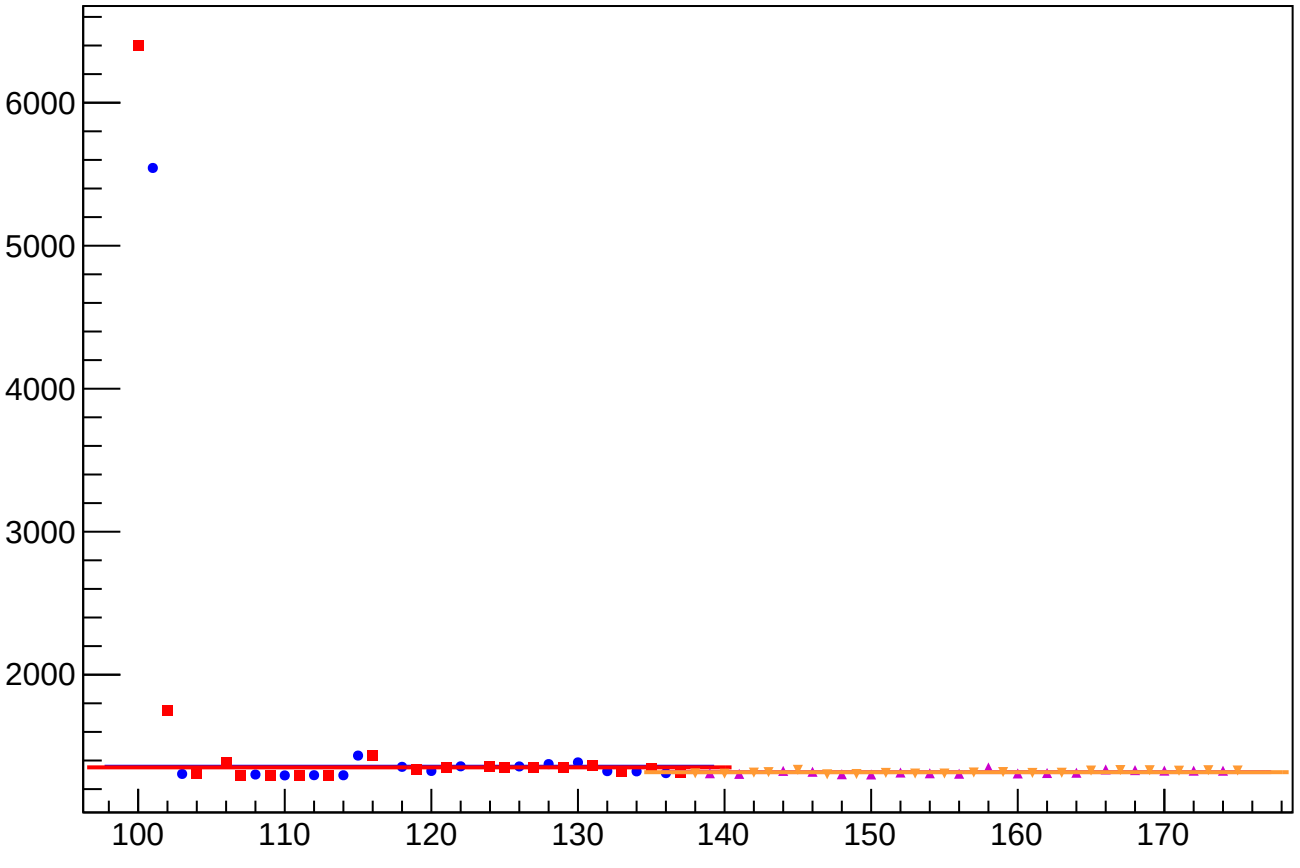
Left: -207.899+/-237.789 χ^2/NDF: 38.7/37

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 59.193+/-285.362 χ^2/NDF:43.9/33

Out: -260.946+/-276.372 χ^2/NDF:26.7/38

All: -105.999+/-198.526 χ^2/NDF: 71.2/72



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

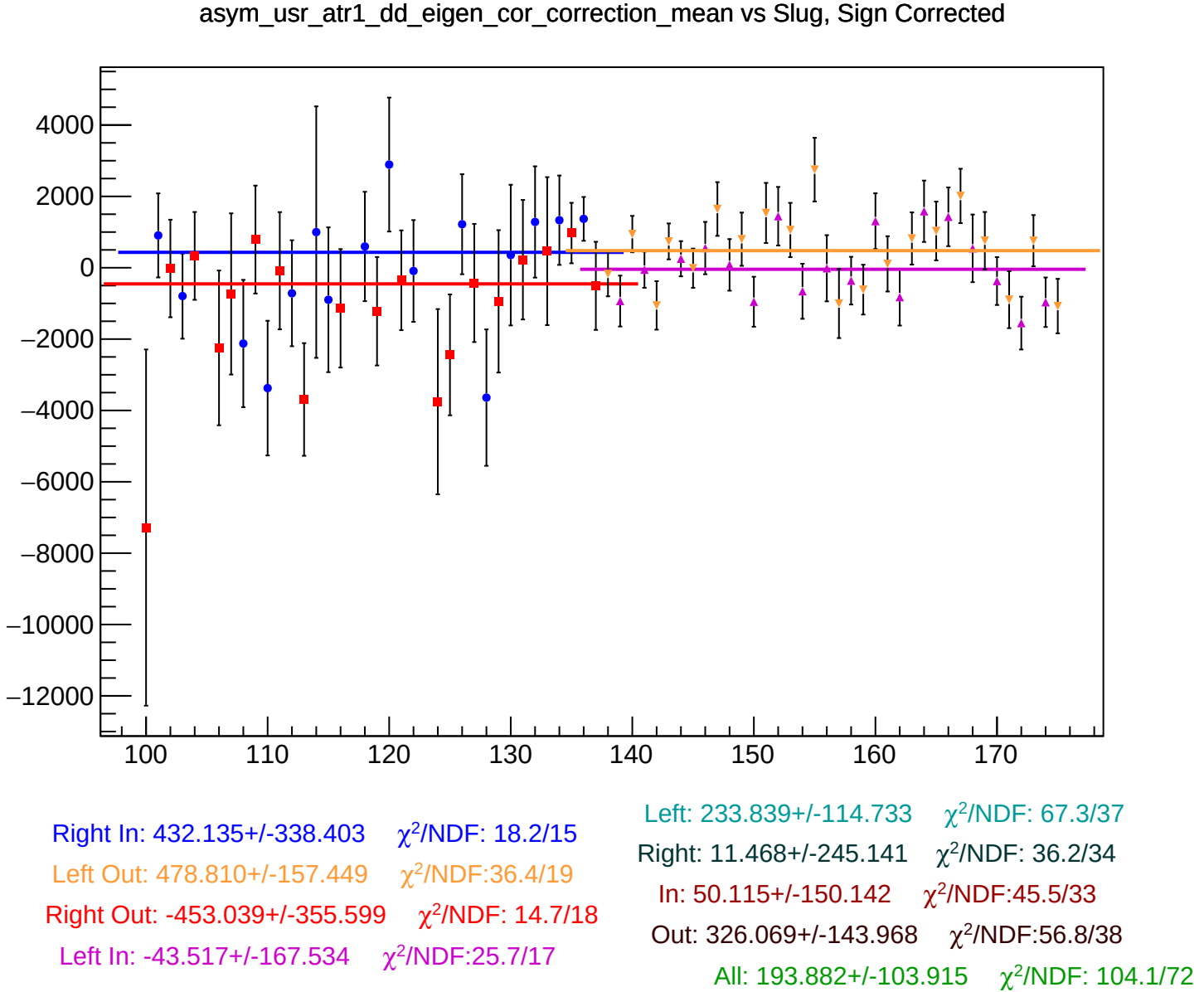
Left: 1318.778+/-0.168 χ^2/NDF: 4757.7/37

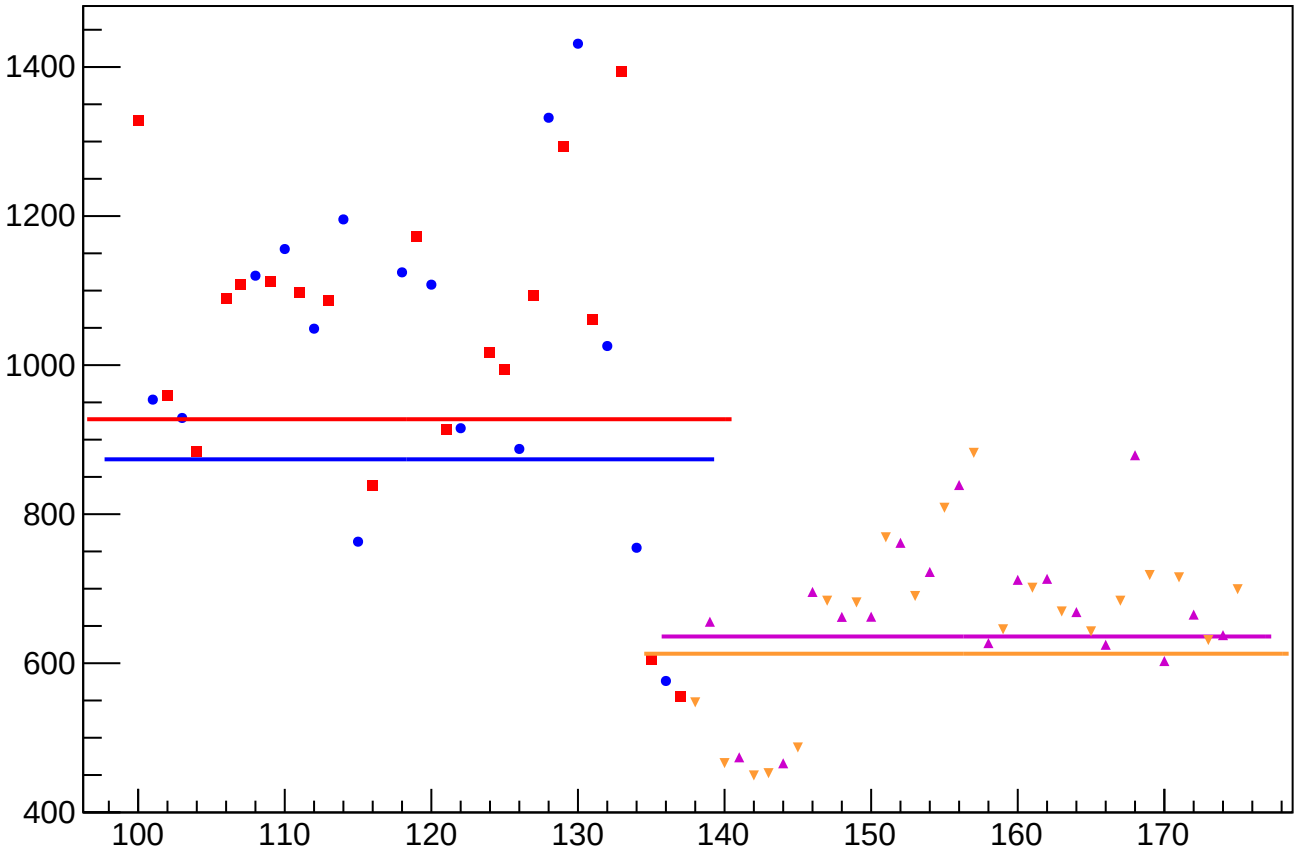
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.202 χ^2/NDF:770277.6/33

Out: 1328.530+/-0.195 χ^2/NDF:155520.5/38

All: 1329.502+/-0.140 χ^2/NDF: 925849.3/72


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 478.810+/-157.449 χ²/NDF:36.4/19
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -43.517+/-167.534 χ²/NDF:25.7/17
Left: 233.839+/-114.733 χ²/NDF: 67.3/37
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 50.115+/-150.142 χ²/NDF:45.5/33
Out: 326.069+/-143.968 χ²/NDF:56.8/38
All: 193.882+/-103.915 χ²/NDF: 104.1/72



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

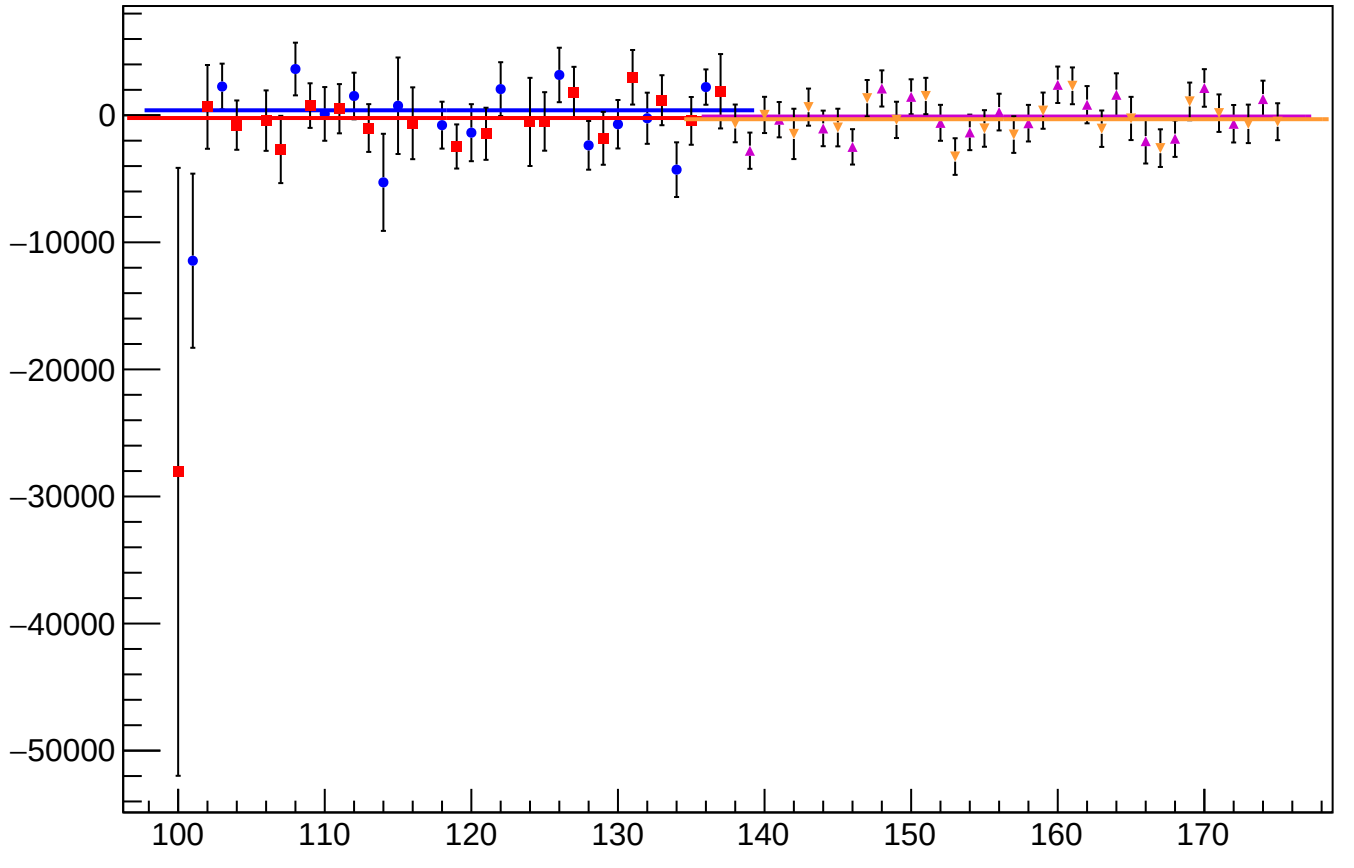
Left: 623.602+/-0.081 χ^2/NDF: 1975152.5/37

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 682.676+/-0.106 χ^2/NDF:2619848.7/33

Out: 664.333+/-0.102 χ^2/NDF:3298793.4/38

All: 673.120+/-0.073 χ^2/NDF: 5934195.2/72



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.734+/-331.154 χ^2/NDF:16.4/19

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -101.730+/-342.243 χ^2/NDF:22.3/17

Left: -210.190+/-237.985 χ^2/NDF: 38.8/37

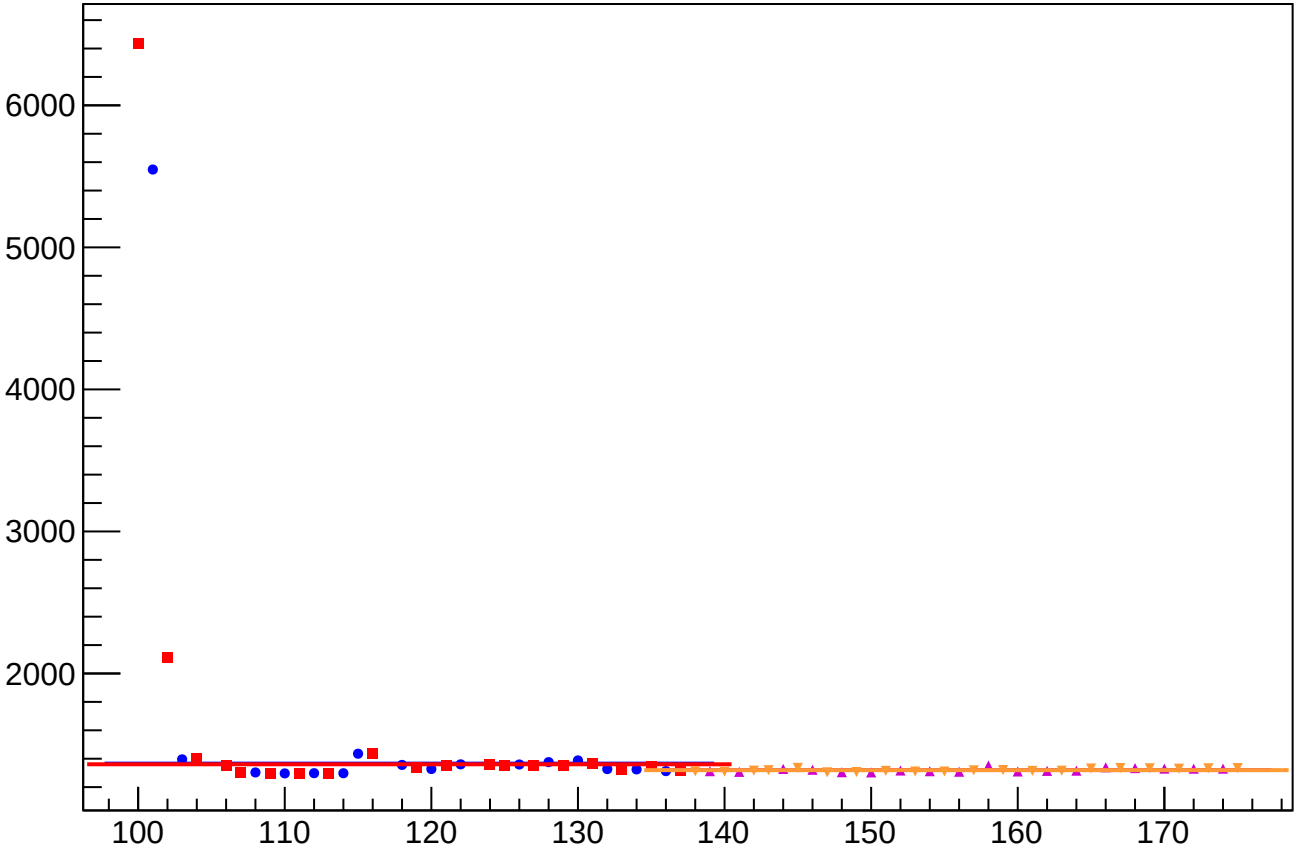
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 46.417+/-286.073 χ^2/NDF:44.3/33

Out: -283.830+/-277.404 χ^2/NDF:26.4/38

All: -123.786+/-199.148 χ^2/NDF: 71.4/72

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

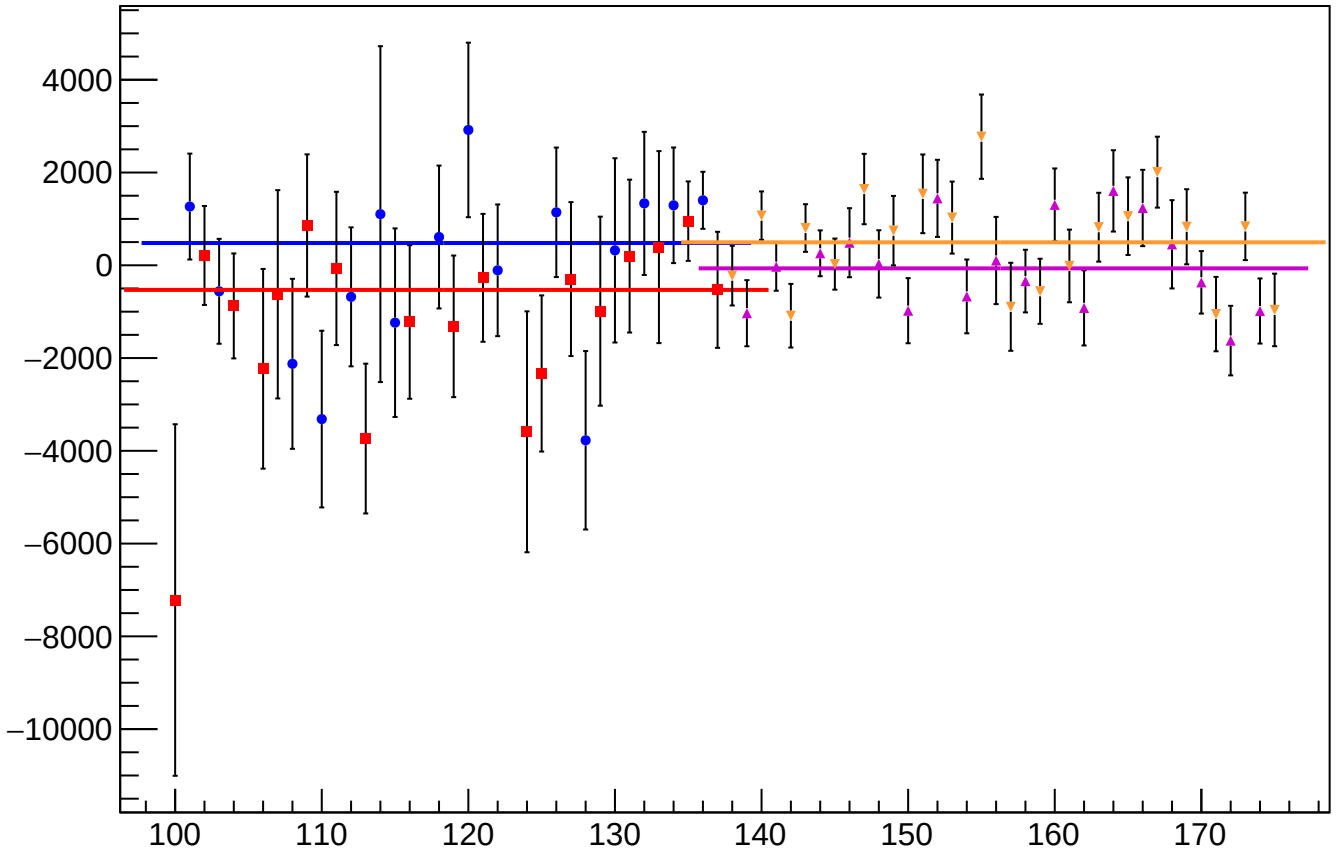
Left: 1319.862+/-0.168 χ^2/NDF: 4850.5/37

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1333.829+/-0.202 χ^2/NDF:772259.3/33

Out: 1331.806+/-0.196 χ^2/NDF:216554.4/38

All: 1332.786+/-0.141 χ^2/NDF: 988865.2/72



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -66.327+/-169.253 χ^2/NDF:25.4/17

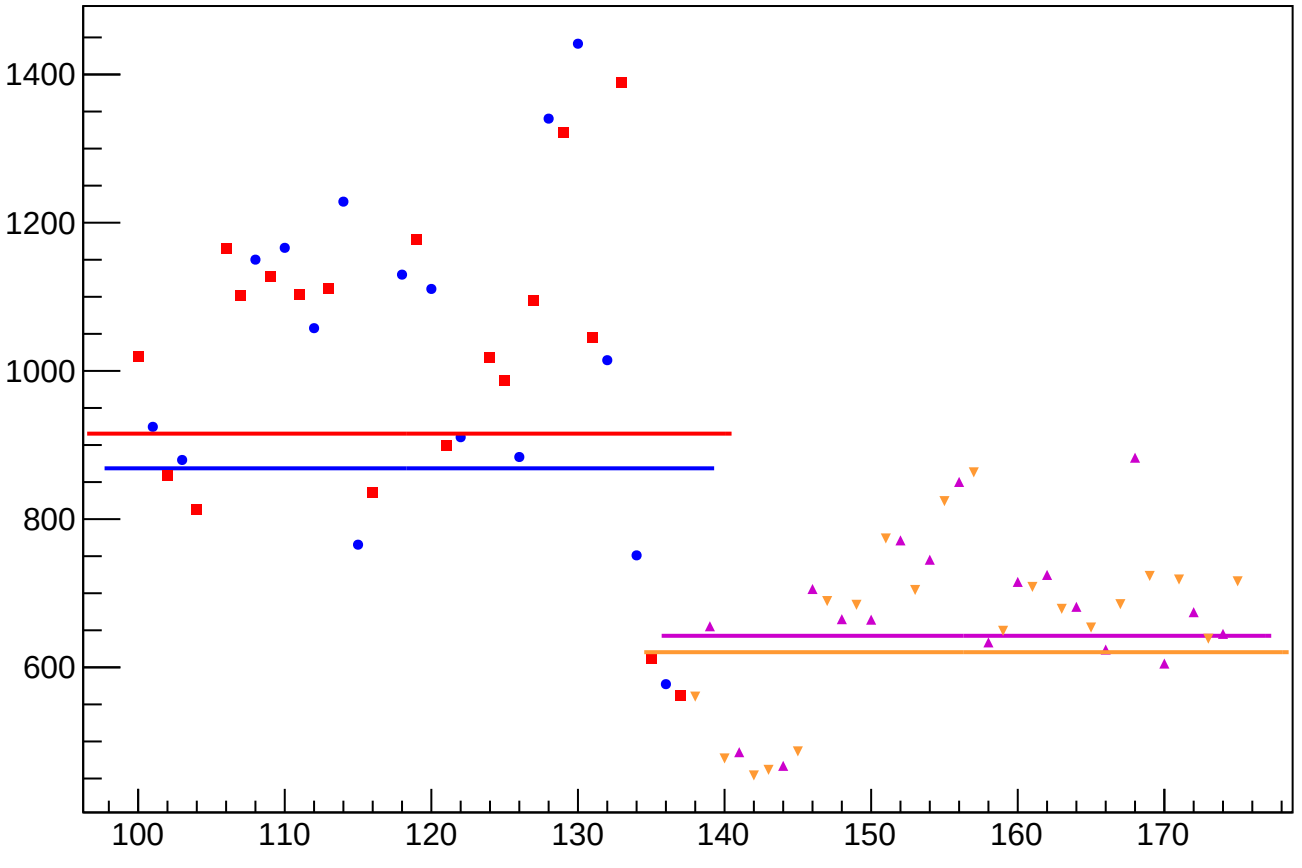
Left: 231.622+/-116.001 χ^2/NDF: 67.8/37

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 44.053+/-151.206 χ^2/NDF:46.1/33

Out: 316.185+/-144.708 χ^2/NDF:59.4/38

All: 186.092+/-104.546 χ^2/NDF: 107.2/72



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098246.6/19

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 642.573+/-0.120 χ^2/NDF:813575.0/17

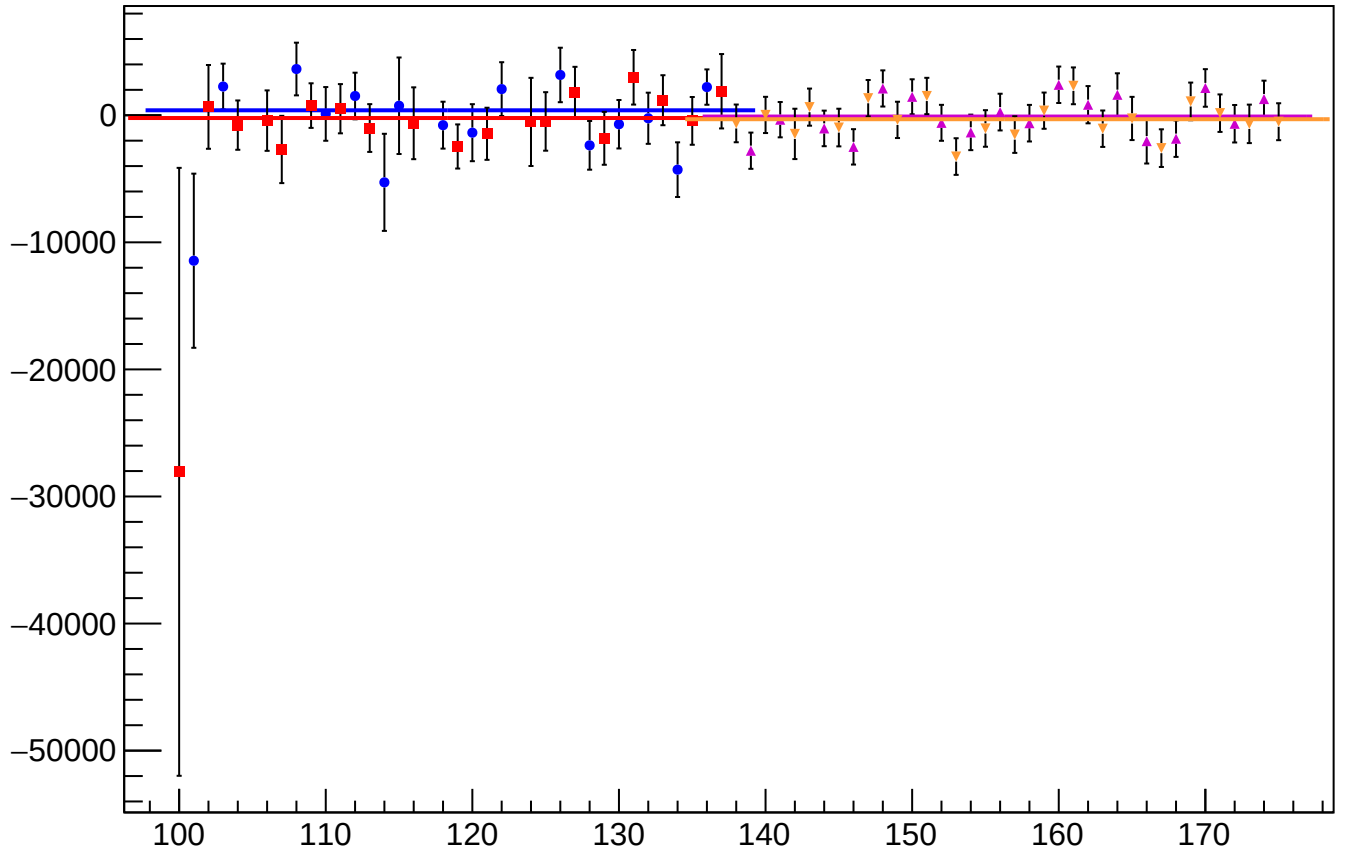
Left: 630.849+/-0.082 χ^2/NDF: 1929920.3/37

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 688.200+/-0.107 χ^2/NDF:2554830.5/33

Out: 672.014+/-0.102 χ^2/NDF:3155300.2/38

All: 679.752+/-0.074 χ^2/NDF: 5722092.8/72



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.736+/-331.154 χ^2/NDF:16.4/19

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -101.730+/-342.243 χ^2/NDF:22.3/17

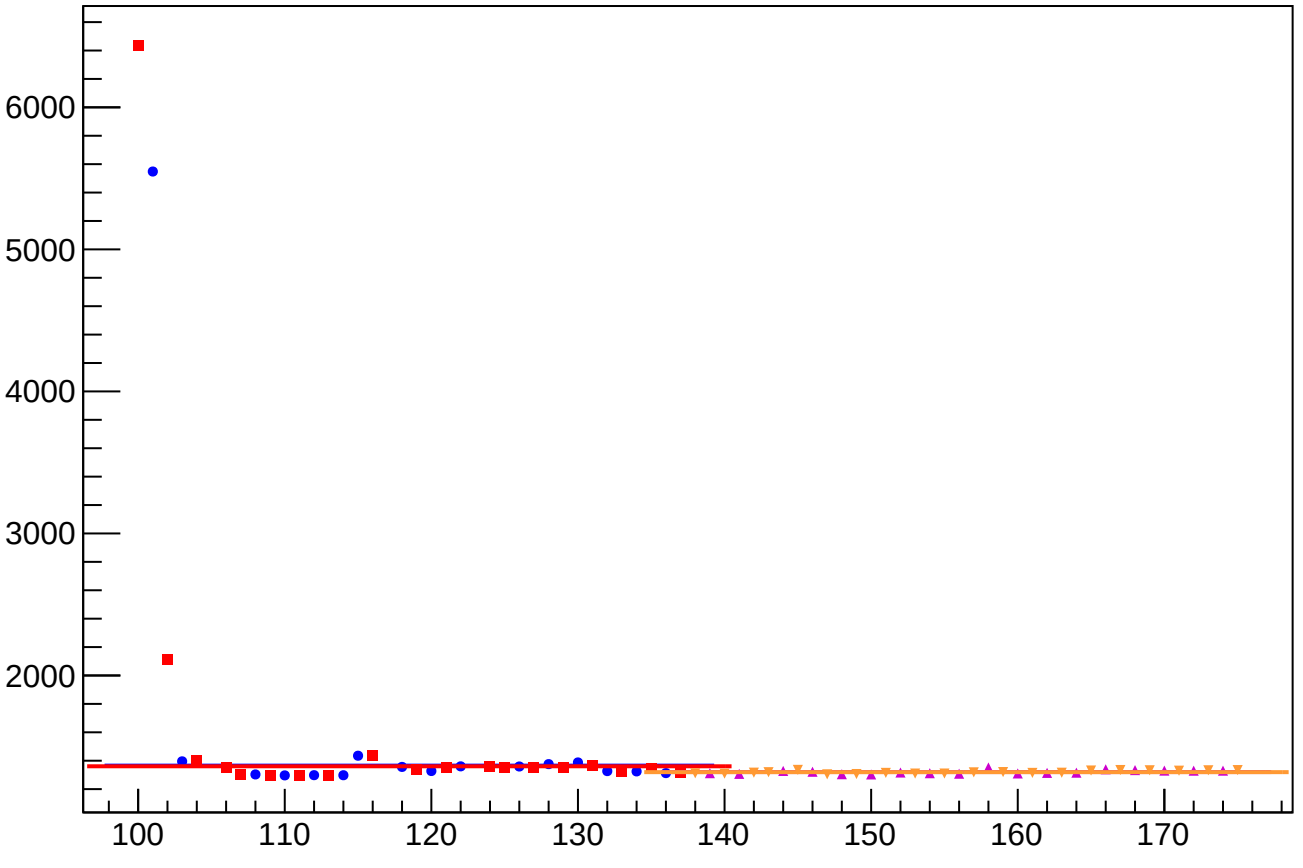
Left: -210.190+/-237.985 χ^2/NDF: 38.8/37

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 46.418+/-286.073 χ^2/NDF:44.3/33

Out: -283.831+/-277.404 χ^2/NDF:26.4/38

All: -123.786+/-199.148 χ^2/NDF: 71.4/72



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

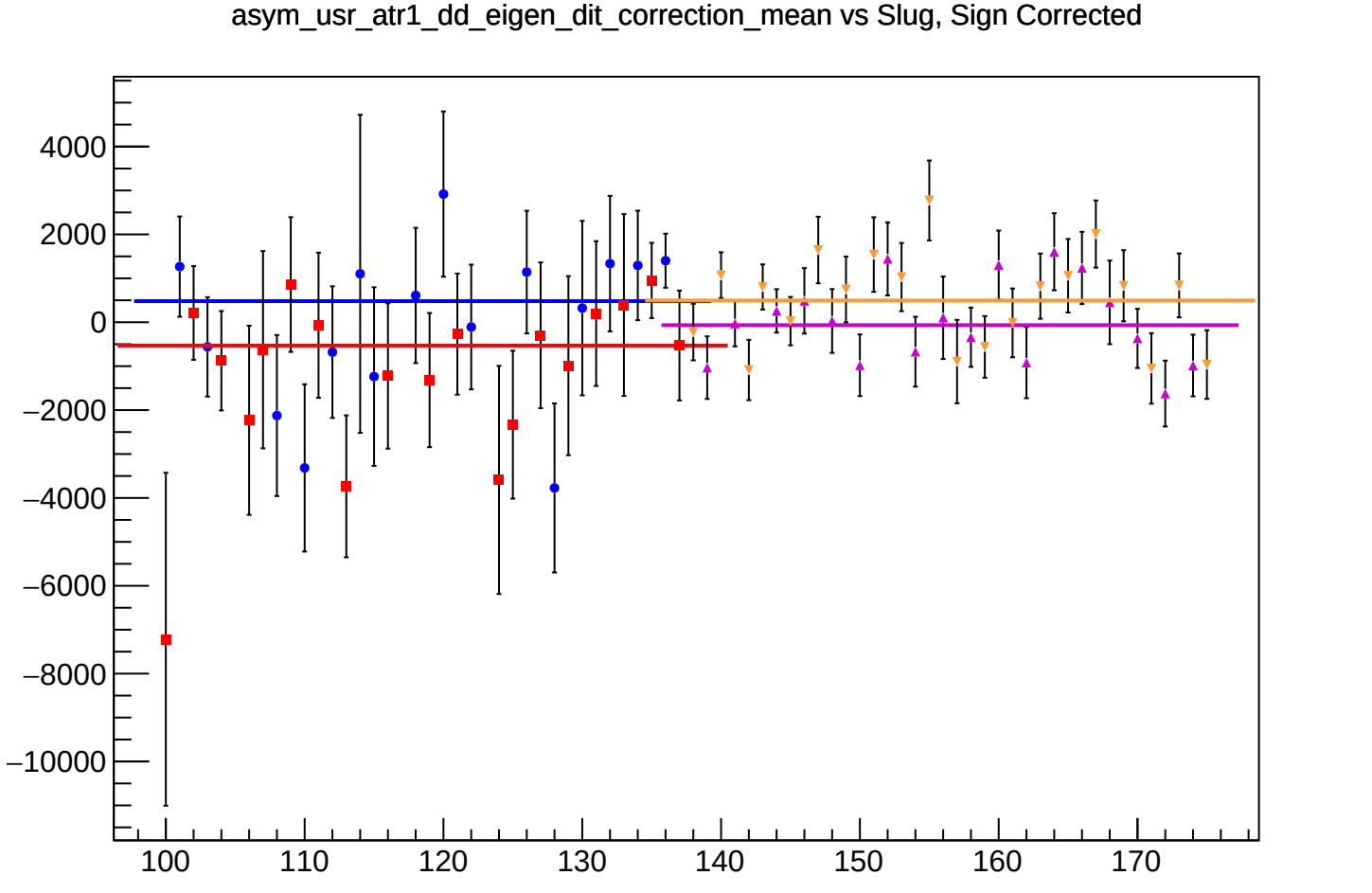
Left: 1319.862+/-0.168 χ^2/NDF: 4850.5/37

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

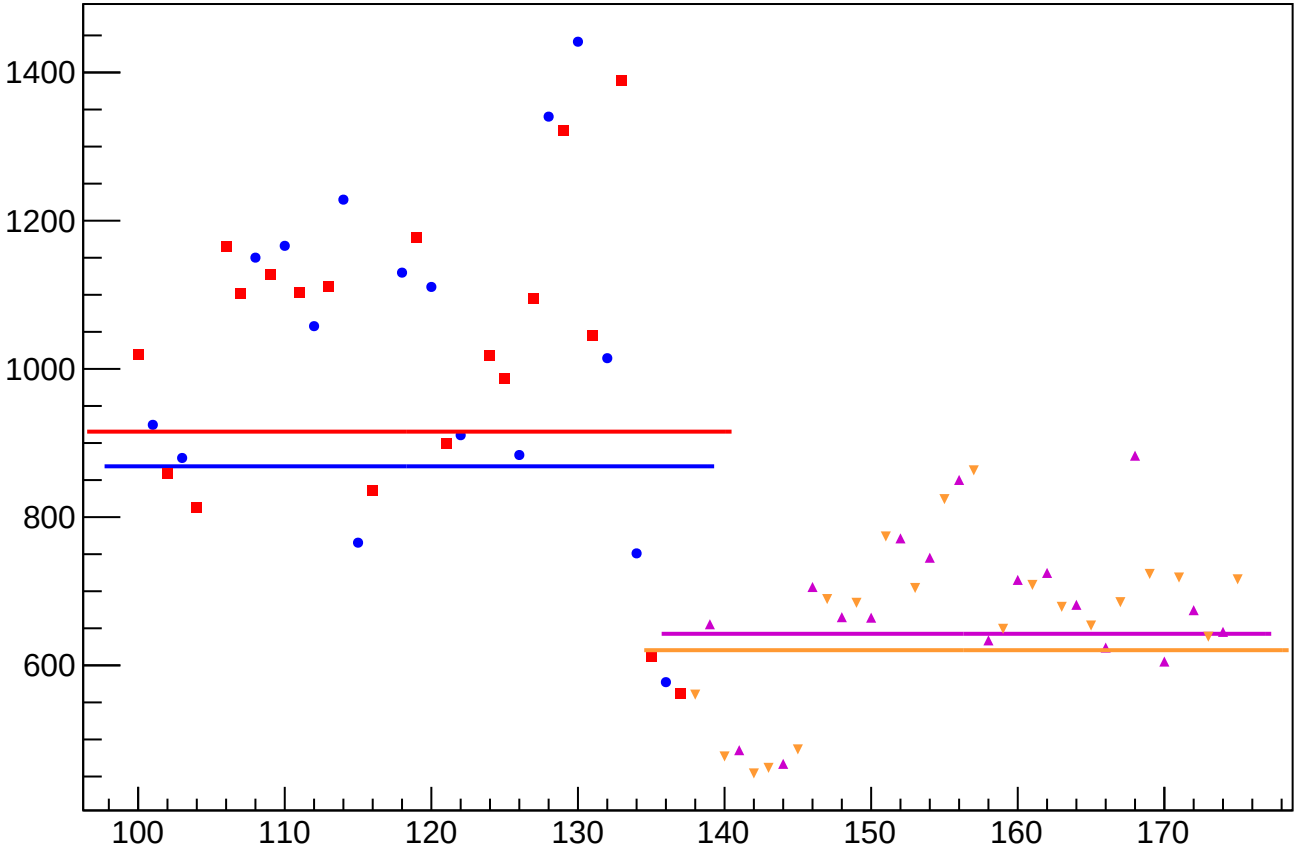
In: 1333.829+/-0.202 χ^2/NDF:772259.2/33

Out: 1331.805+/-0.196 χ^2/NDF:216554.4/38

All: 1332.786+/-0.141 χ^2/NDF: 988865.1/72


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 495.556+/-159.300 χ²/NDF:36.5/19
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -66.326+/-169.254 χ²/NDF:25.4/17
Left: 231.622+/-116.001 χ²/NDF: 67.8/37
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 44.053+/-151.206 χ²/NDF:46.1/33
Out: 316.184+/-144.708 χ²/NDF:59.4/38
All: 186.092+/-104.546 χ²/NDF: 107.2/72

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098263.7/19

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 642.574+/-0.120 χ^2/NDF:813582.8/17

Left: 630.849+/-0.082 χ^2/NDF: 1929946.4/37

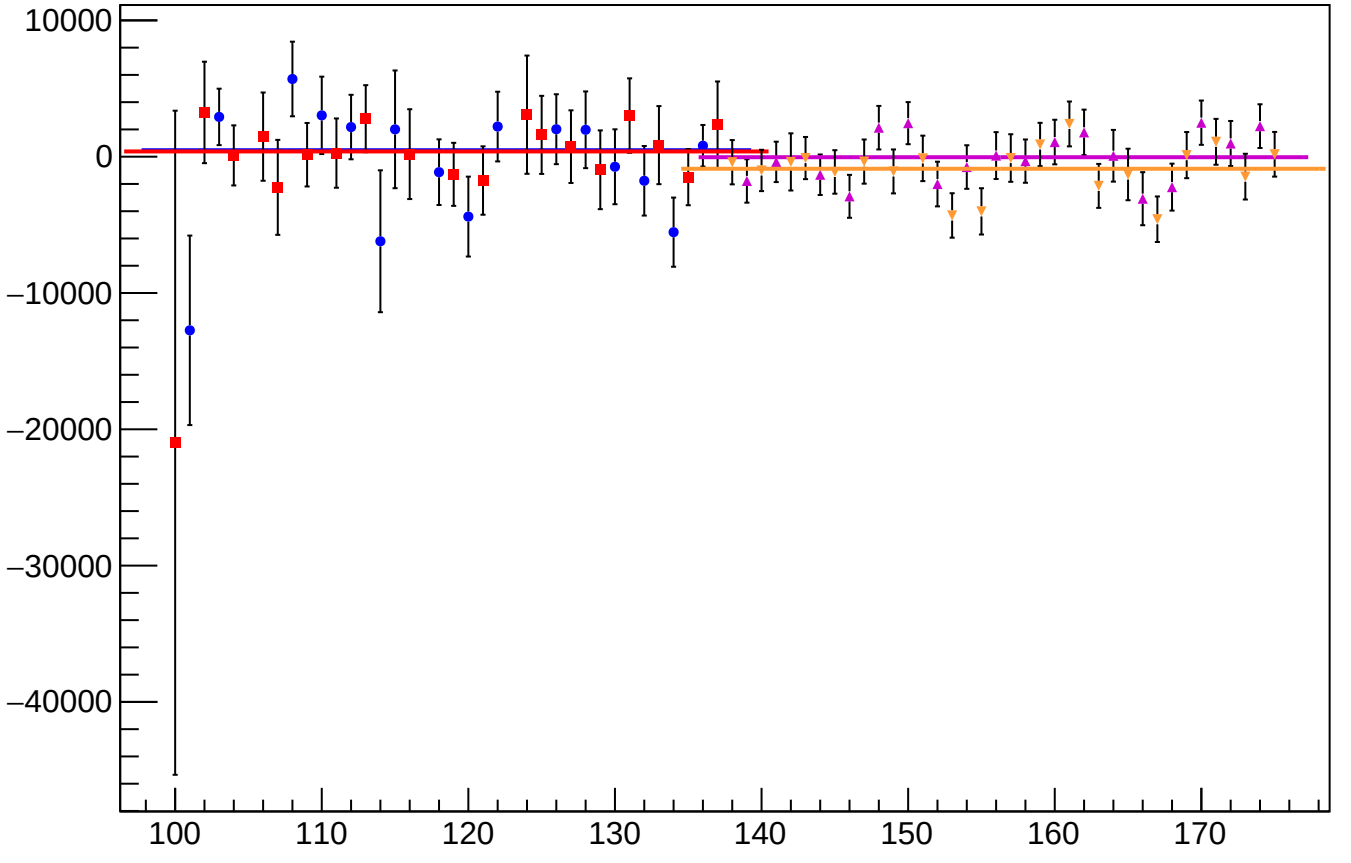
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 688.201+/-0.107 χ^2/NDF:2554816.9/33

Out: 672.014+/-0.102 χ^2/NDF:3155302.8/38

All: 679.752+/-0.074 χ^2/NDF: 5722082.5/72

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -886.246+/-371.476 χ^2/NDF:21.9/19

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -38.289+/-384.593 χ^2/NDF:22.0/17

Left: -476.974+/-267.190 χ^2/NDF: 46.4/37

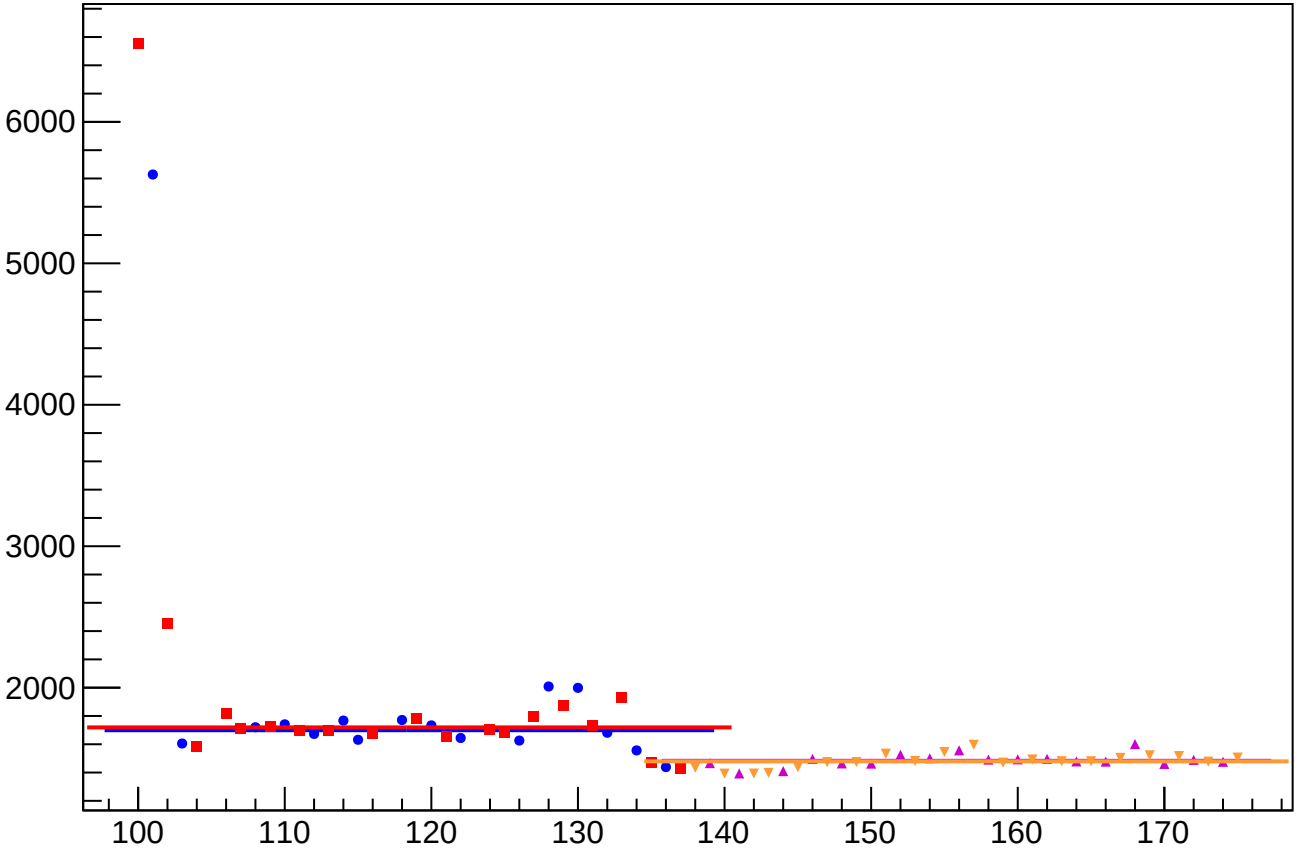
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 94.649+/-330.894 χ^2/NDF:45.2/33

Out: -567.433+/-321.530 χ^2/NDF:32.1/38

All: -245.893+/-230.595 χ^2/NDF: 79.3/72

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1479.123+/-0.263 χ^2/NDF:35808.4/19

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1482.836+/-0.272 χ^2/NDF:28579.0/17

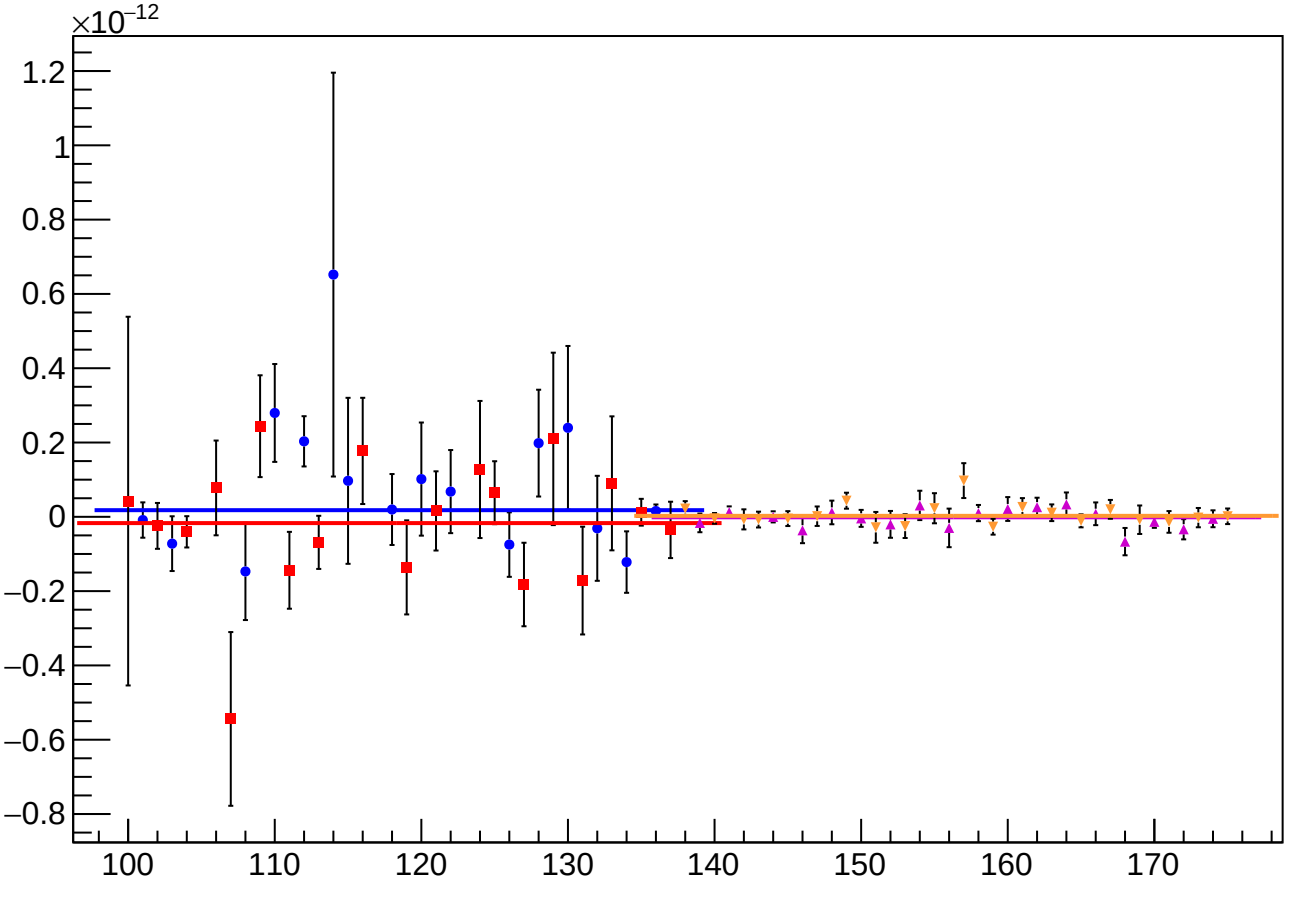
Left: 1480.915+/-0.189 χ^2/NDF: 64483.9/37

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1539.071+/-0.234 χ^2/NDF:955295.9/33

Out: 1539.317+/-0.227 χ^2/NDF:478922.7/38

All: 1539.198+/-0.163 χ^2/NDF: 1434219.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/17

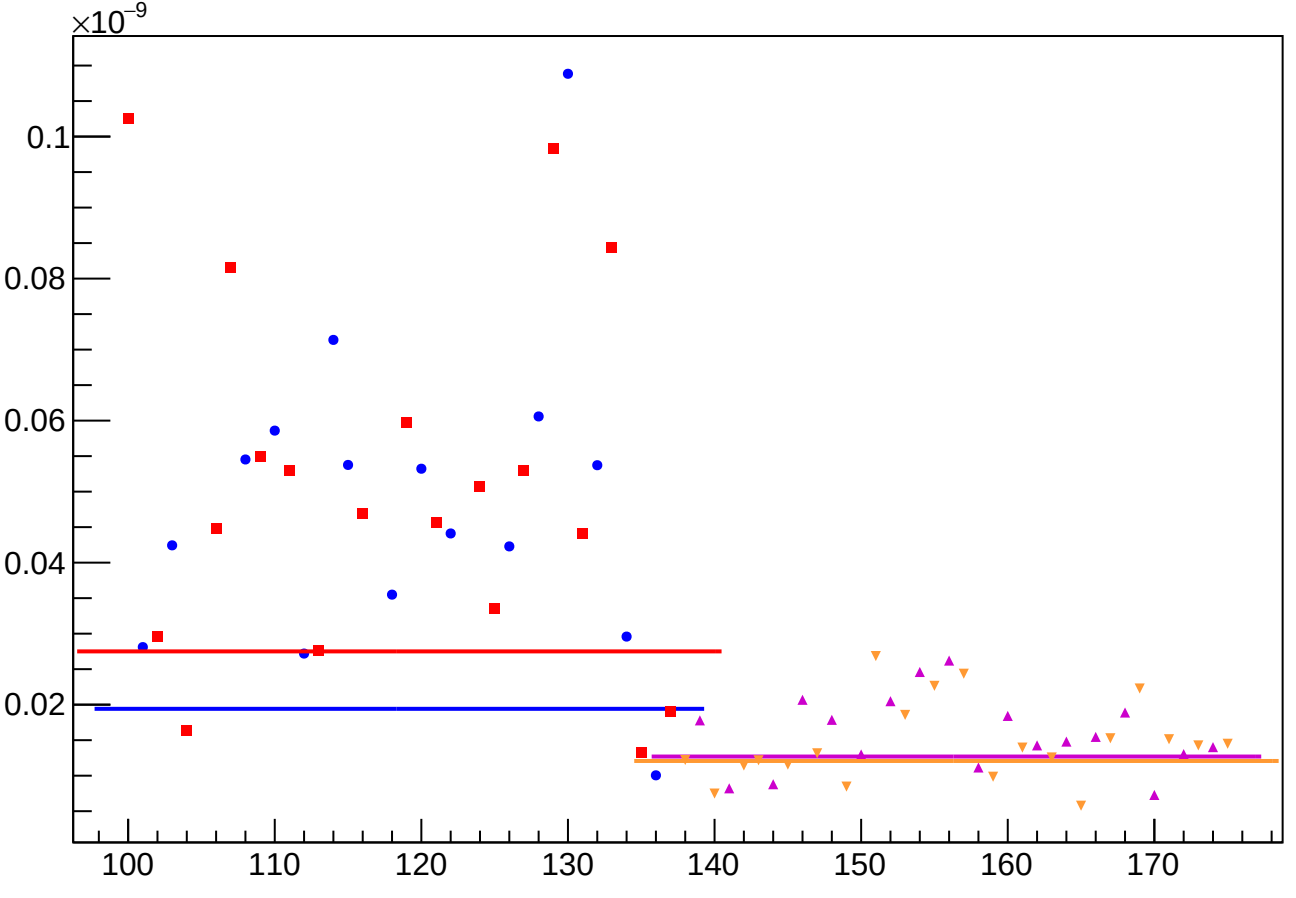
Left: 0.000+/-0.000 χ^2/NDF: 27.6/37

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:37.0/33

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 74.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1406239.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1344922.6/17

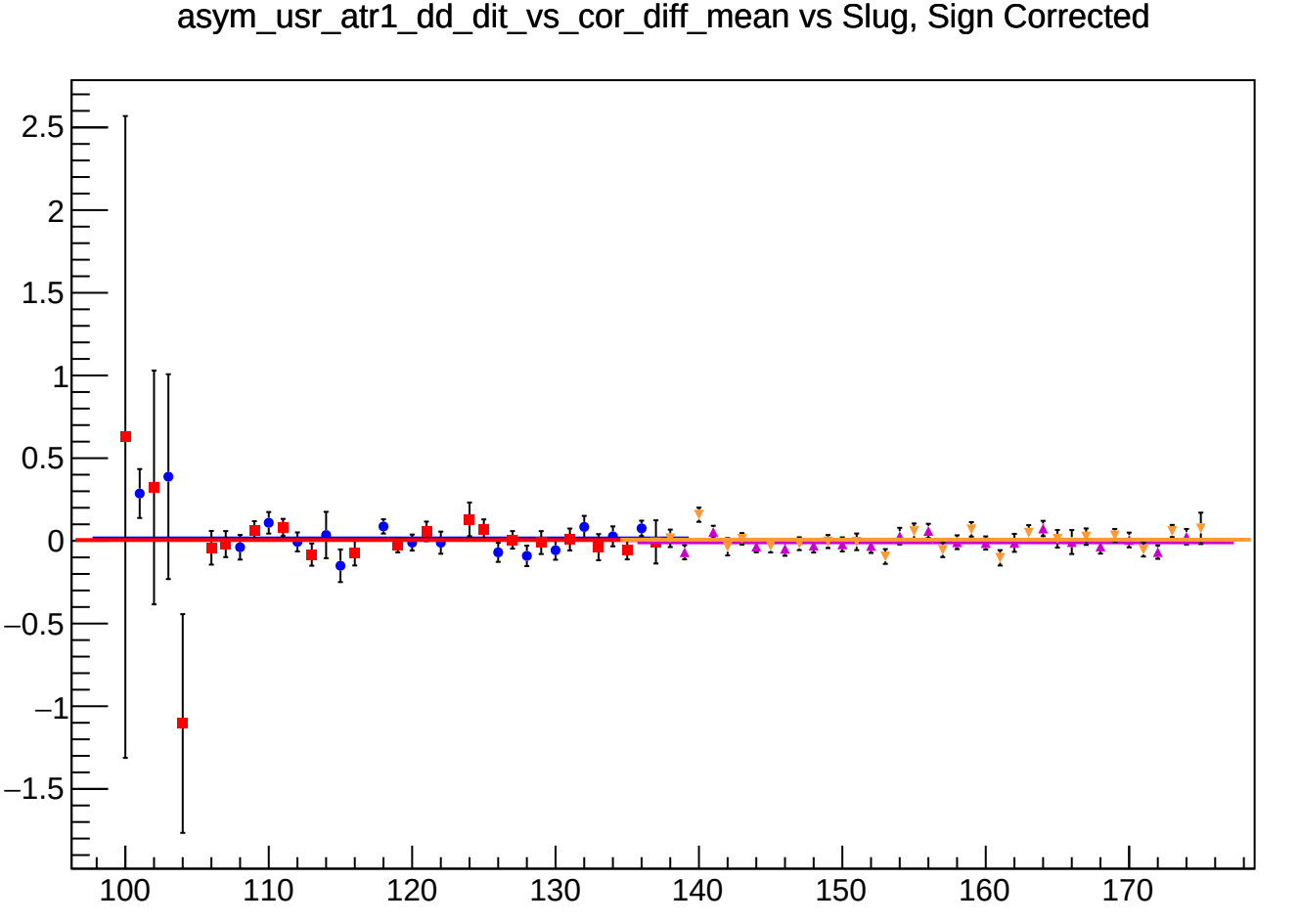
Left: 0.000+/-0.000 χ^2/NDF: 2763985.1/37

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3996066.3/33

Out: 0.000+/-0.000 χ^2/NDF:4268676.6/38

All: 0.000+/-0.000 χ^2/NDF: 8272595.0/72



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

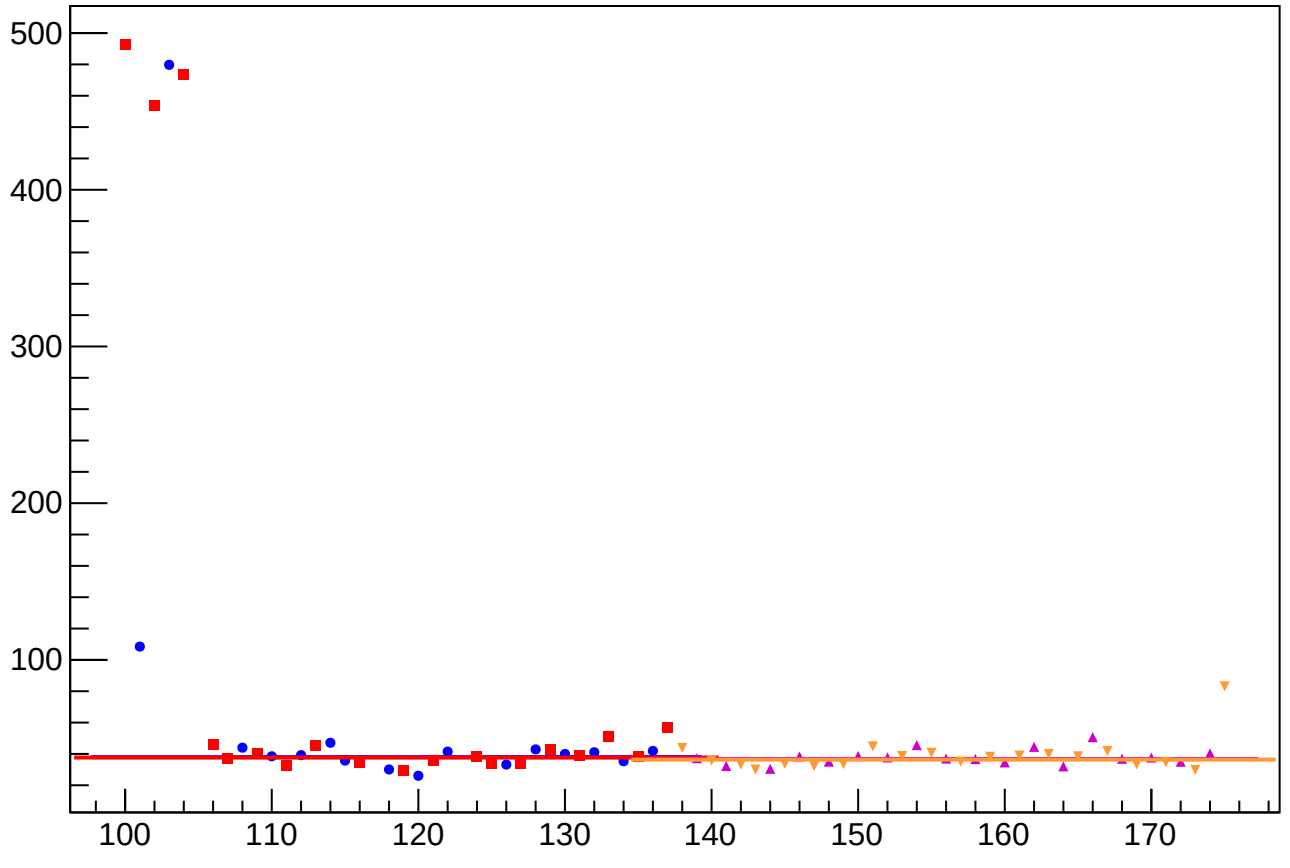
Left: -0.000+/-0.007 χ^2/NDF: 54.0/37

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.002+/-0.006 χ^2/NDF: 91.6/72



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

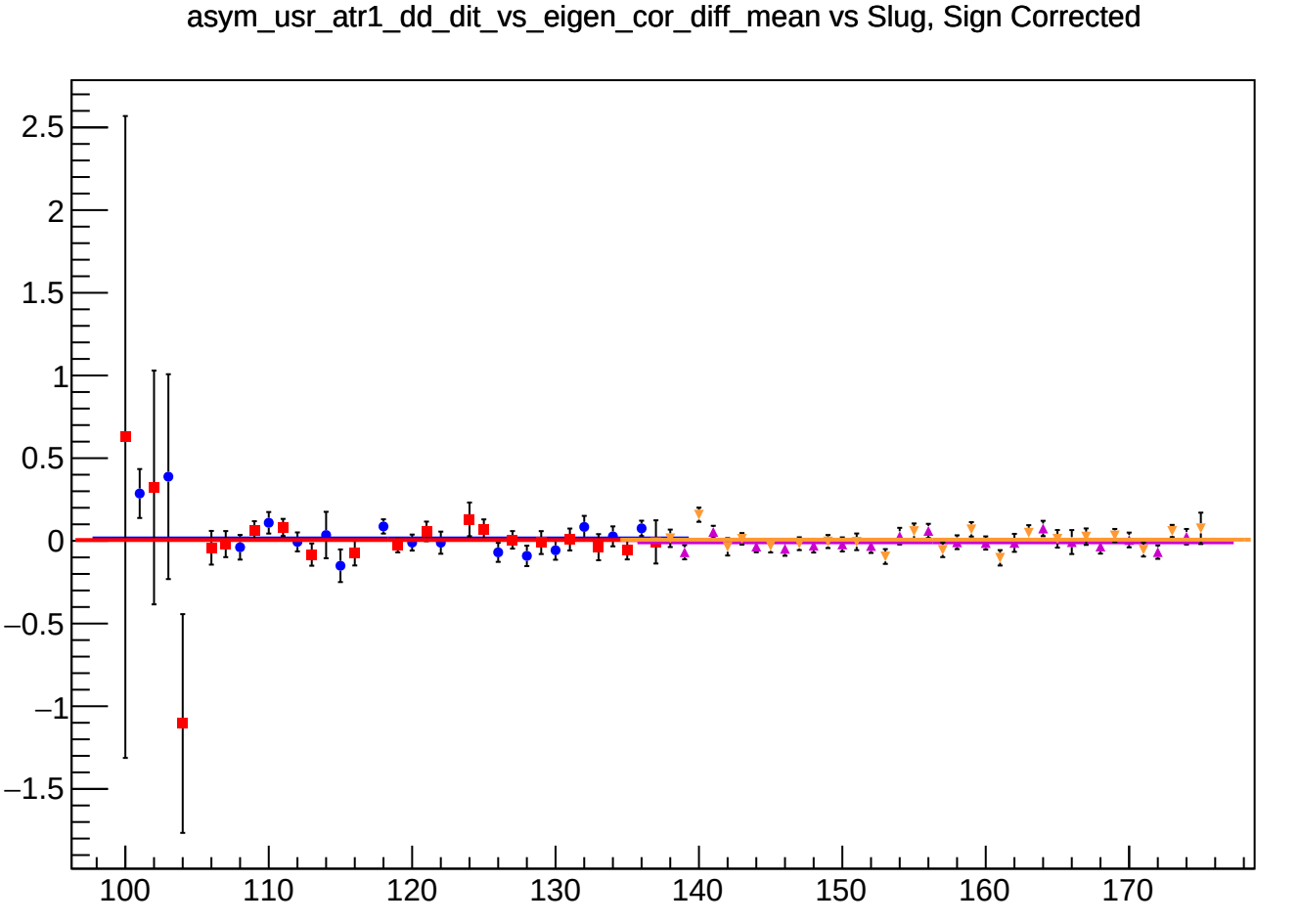
Left: 36.540+/-0.005 χ^2/NDF: 1173820.2/37

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.089+/-0.006 χ^2/NDF:2072329.3/33

Out: 36.725+/-0.006 χ^2/NDF:2802800.0/38

All: 36.904+/-0.004 χ^2/NDF: 4876951.7/72



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

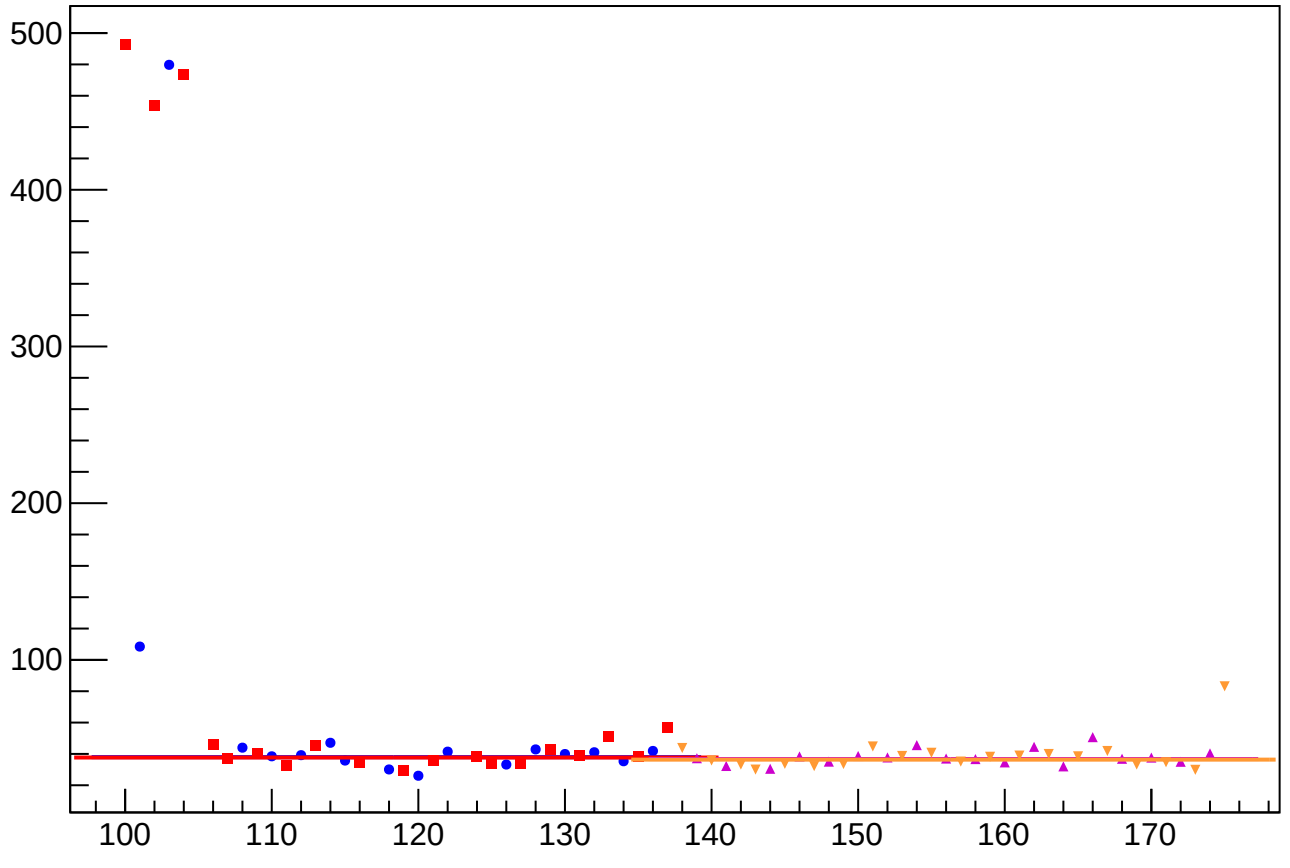
Left: -0.000+/-0.007 χ^2/NDF: 54.0/37

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.002+/-0.006 χ^2/NDF: 91.6/72



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

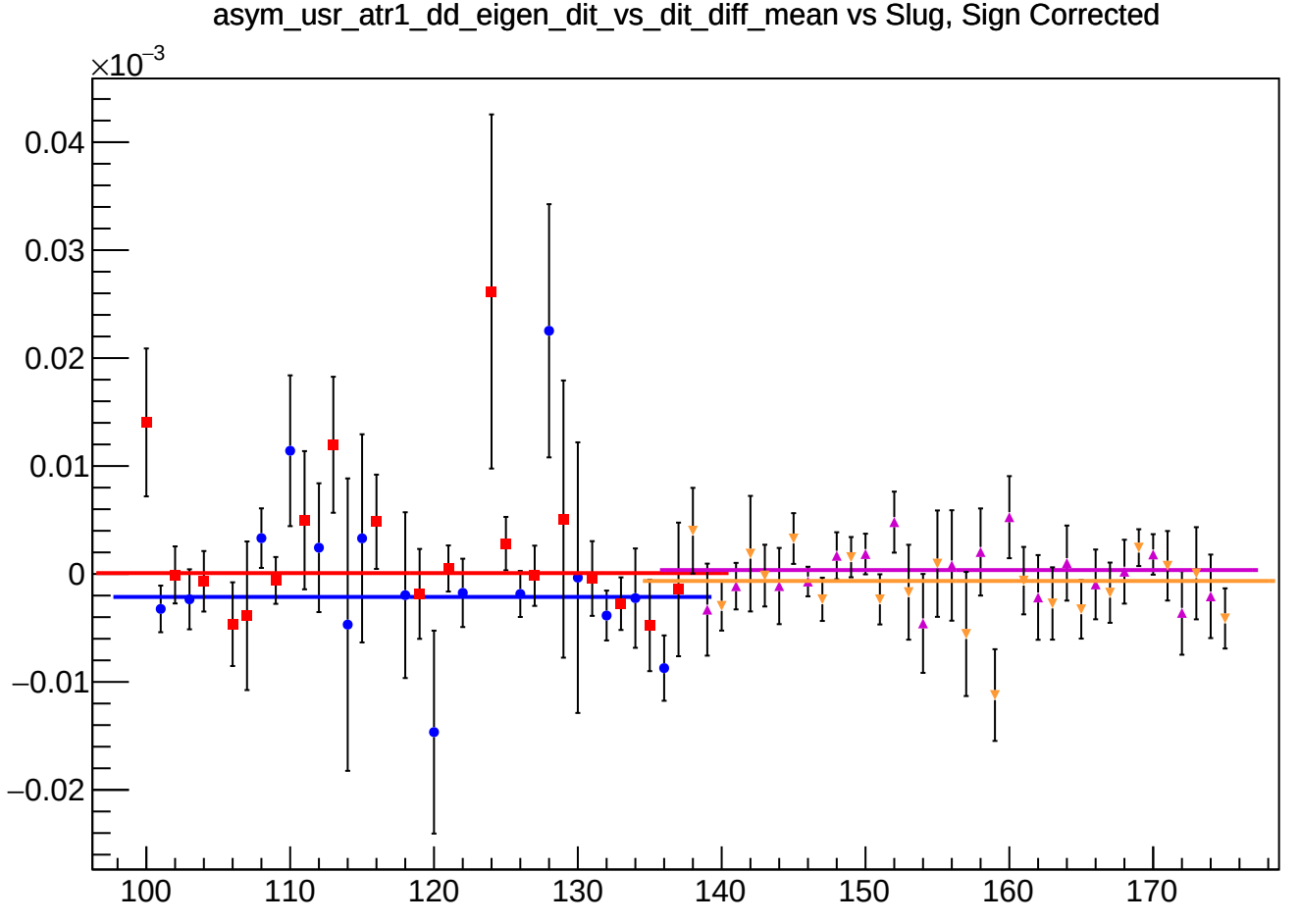
Left: 36.540+/-0.005 χ^2/NDF: 1173820.2/37

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.089+/-0.006 χ^2/NDF:2072329.3/33

Out: 36.725+/-0.006 χ^2/NDF:2802800.0/38

All: 36.904+/-0.004 χ^2/NDF: 4876951.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/17

Left: -0.000+/-0.000 χ^2/NDF: 34.1/37

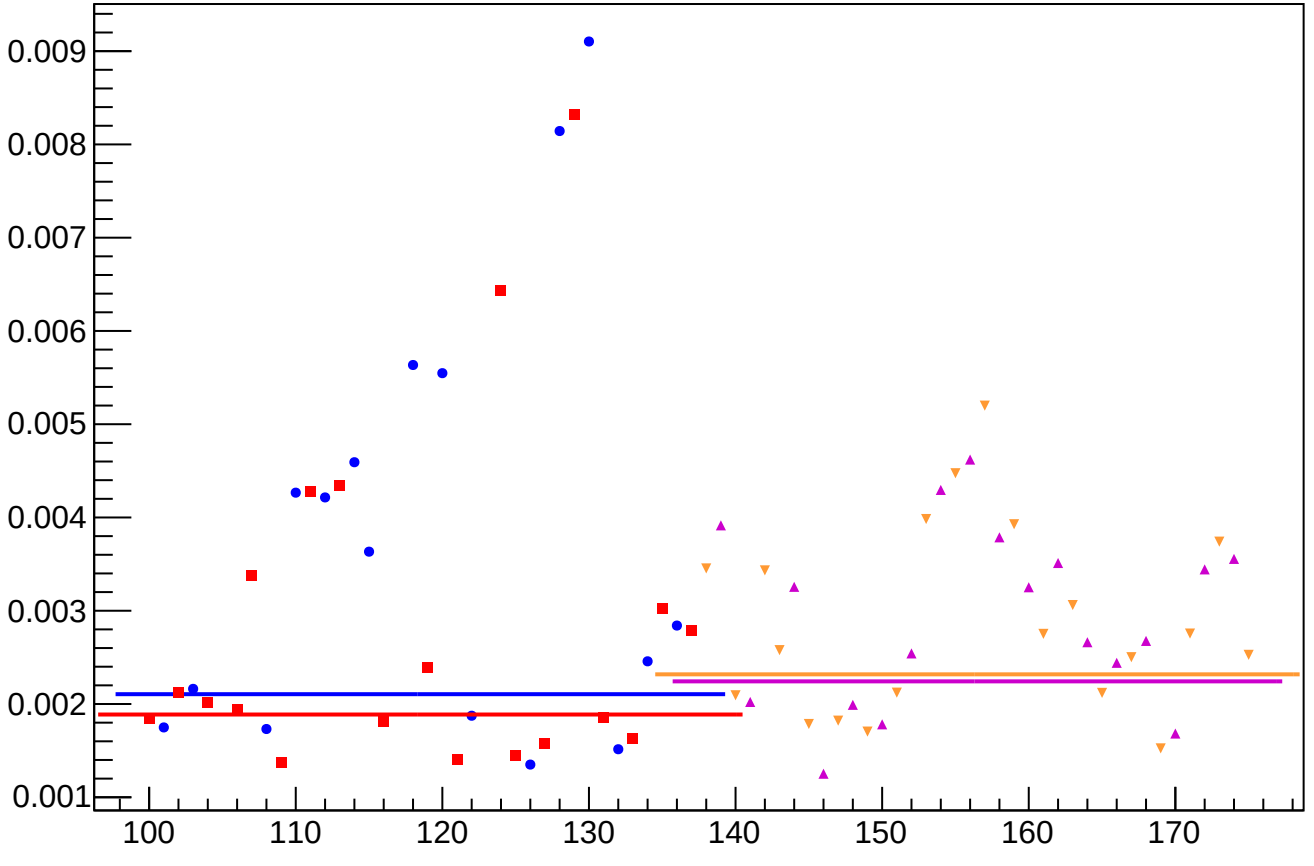
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:36.7/33

Out: -0.000+/-0.000 χ^2/NDF:40.6/38

All: -0.000+/-0.000 χ^2/NDF: 77.3/72

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3062236.8/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3866514.5/17

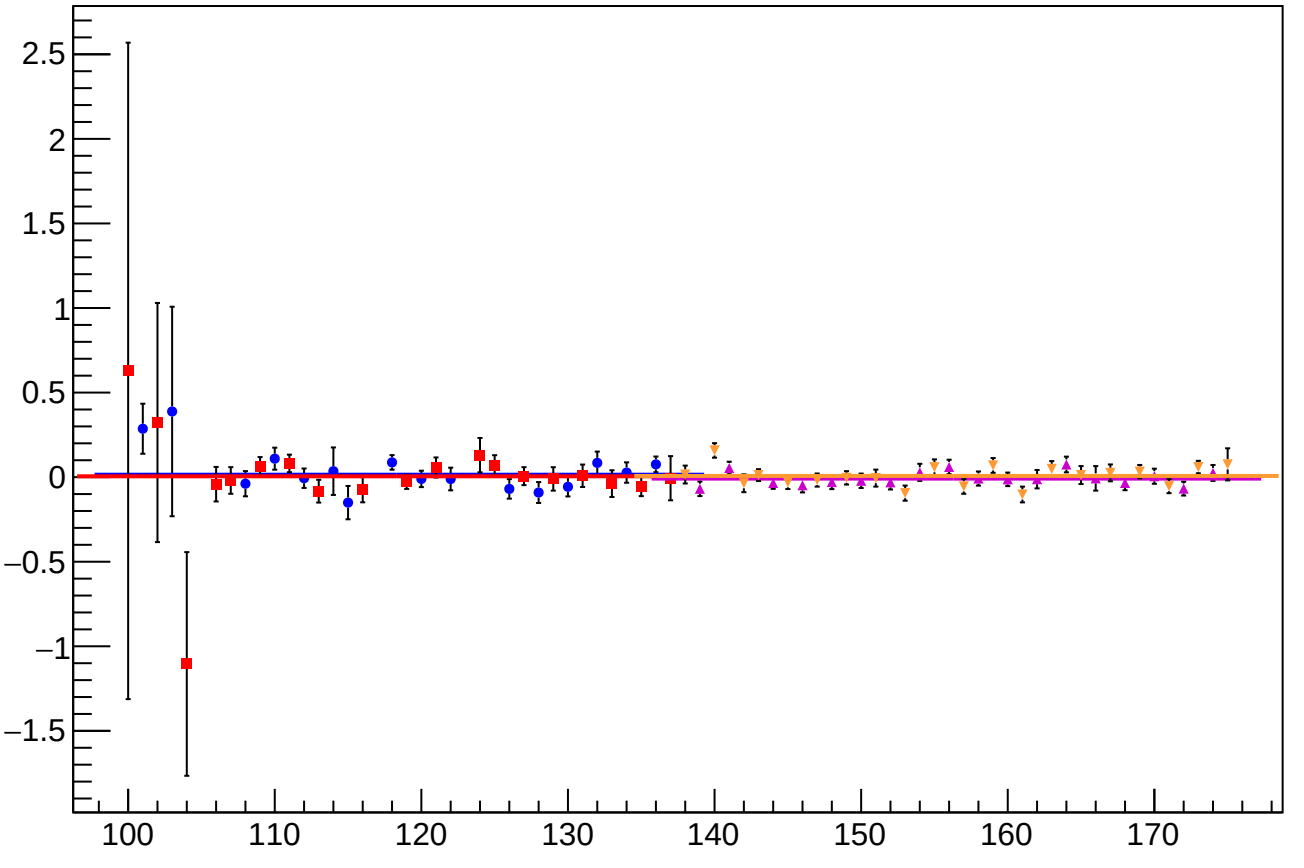
Left: 0.002+/-0.000 χ^2/NDF: 6943148.4/37

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6915457.0/33

Out: 0.002+/-0.000 χ^2/NDF:5321380.2/38

All: 0.002+/-0.000 χ^2/NDF: 12244644.7/72



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

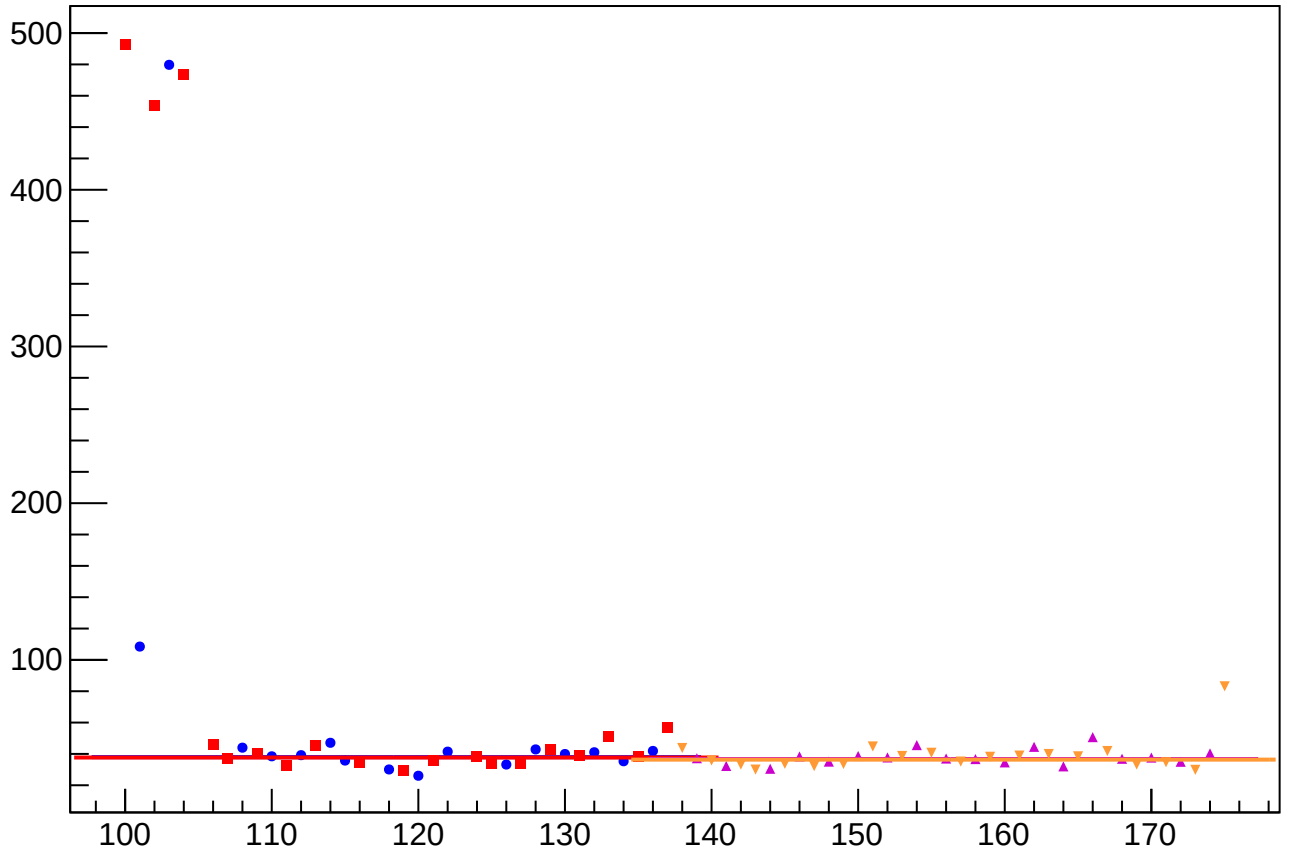
Left: -0.000+/-0.007 χ^2/NDF: 54.0/37

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.002+/-0.006 χ^2/NDF: 91.6/72



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

Left: 36.540+/-0.005 χ^2/NDF: 1173897.6/37

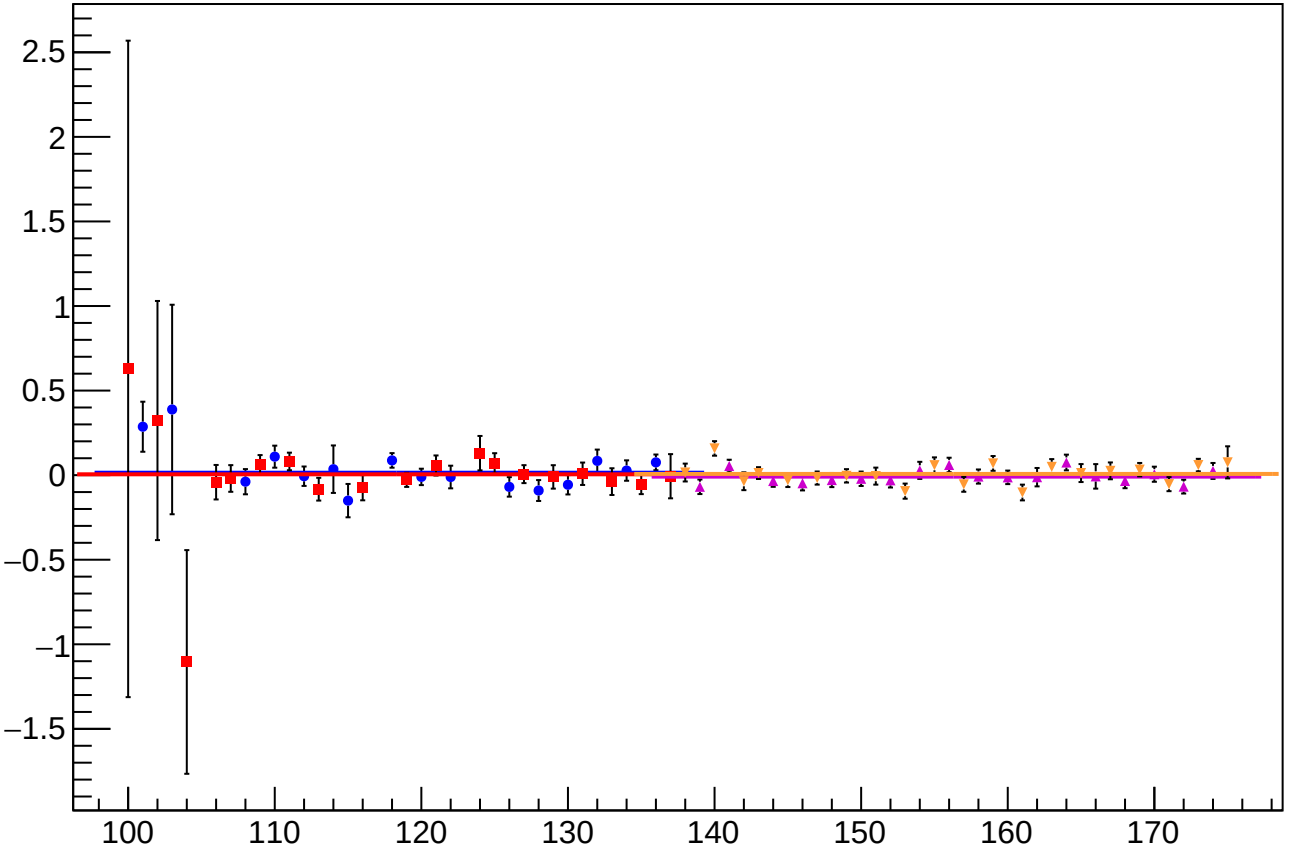
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.089+/-0.006 χ^2/NDF:2072379.9/33

Out: 36.725+/-0.006 χ^2/NDF:2802898.5/38

All: 36.903+/-0.004 χ^2/NDF: 4877101.0/72

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

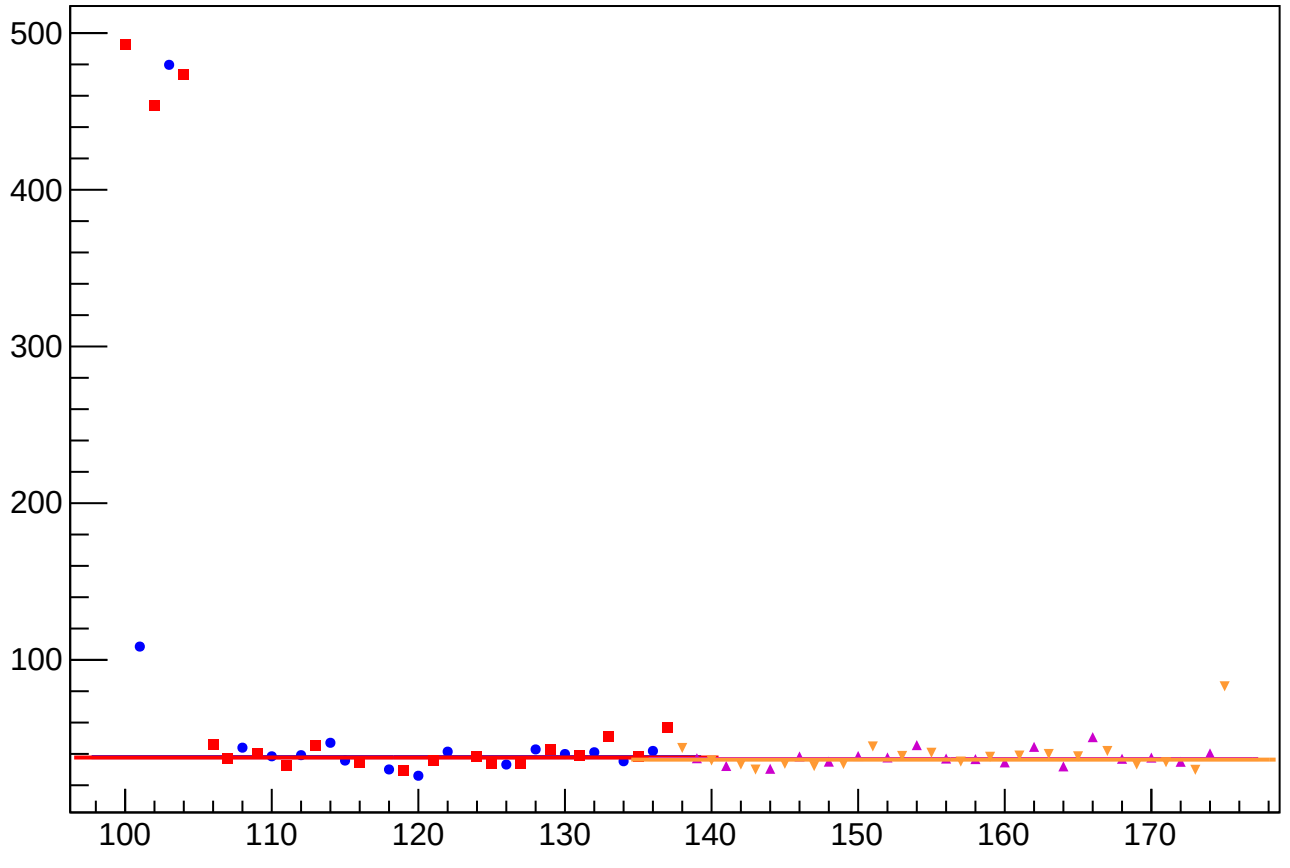
Left: -0.000+/-0.007 χ^2/NDF: 54.0/37

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.002+/-0.006 χ^2/NDF: 91.6/72



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

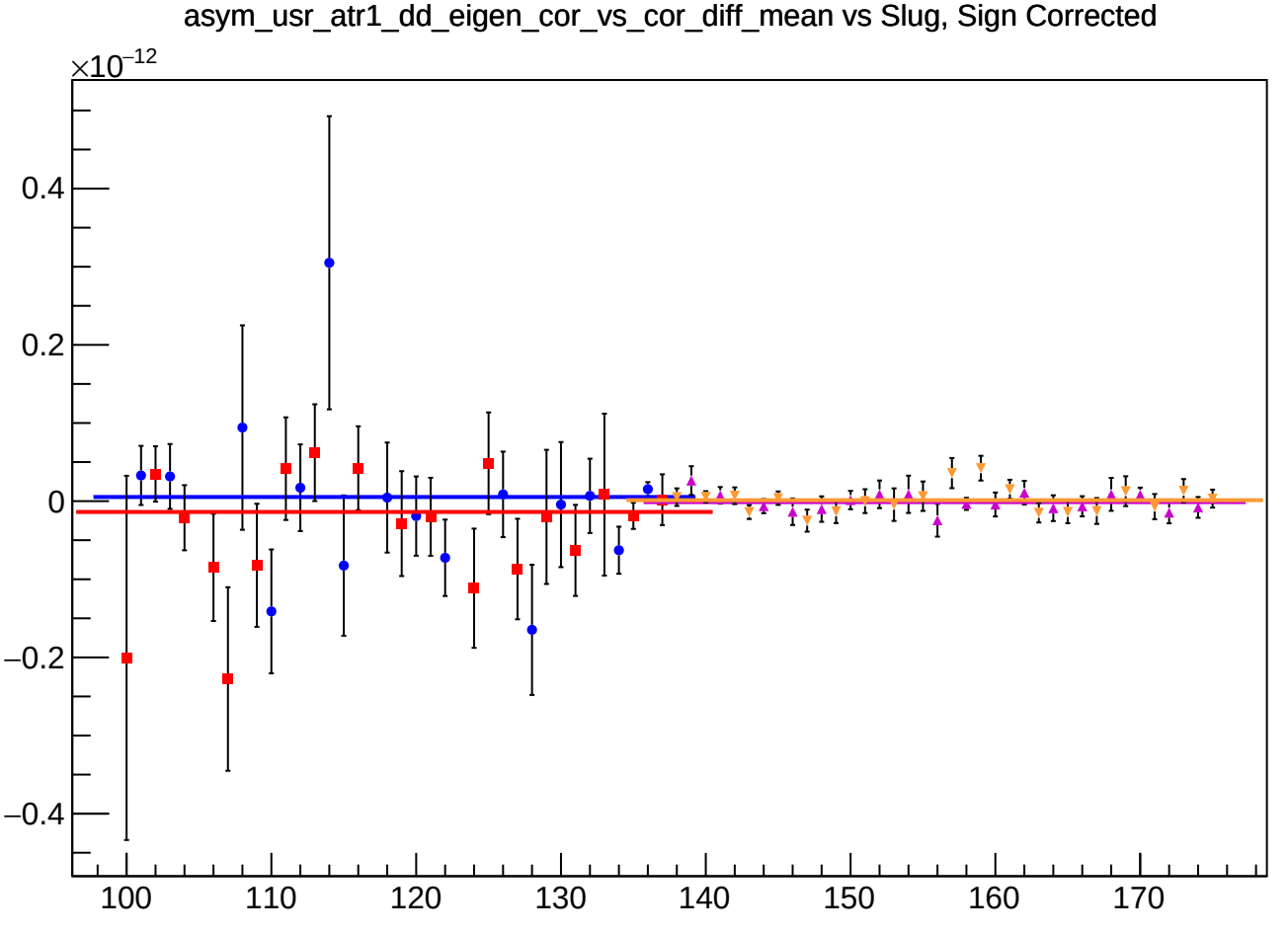
Left: 36.540+/-0.005 χ^2/NDF: 1173897.6/37

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.089+/-0.006 χ^2/NDF:2072379.9/33

Out: 36.725+/-0.006 χ^2/NDF:2802898.5/38

All: 36.903+/-0.004 χ^2/NDF: 4877101.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/19

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

Left In: -0.000+/-0.000 χ^2/NDF:9.4/17

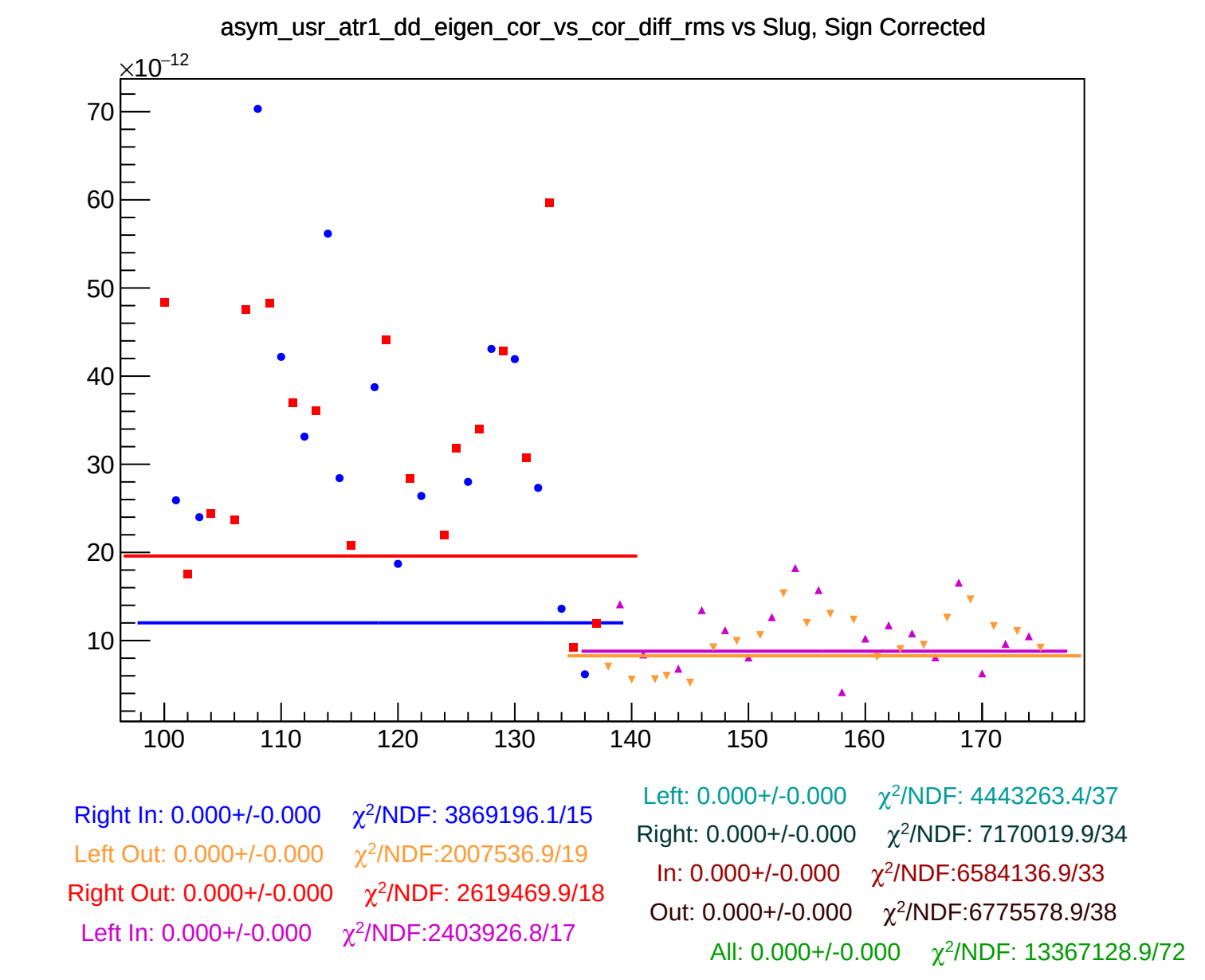
Left: 0.000+/-0.000 χ^2/NDF: 34.1/37

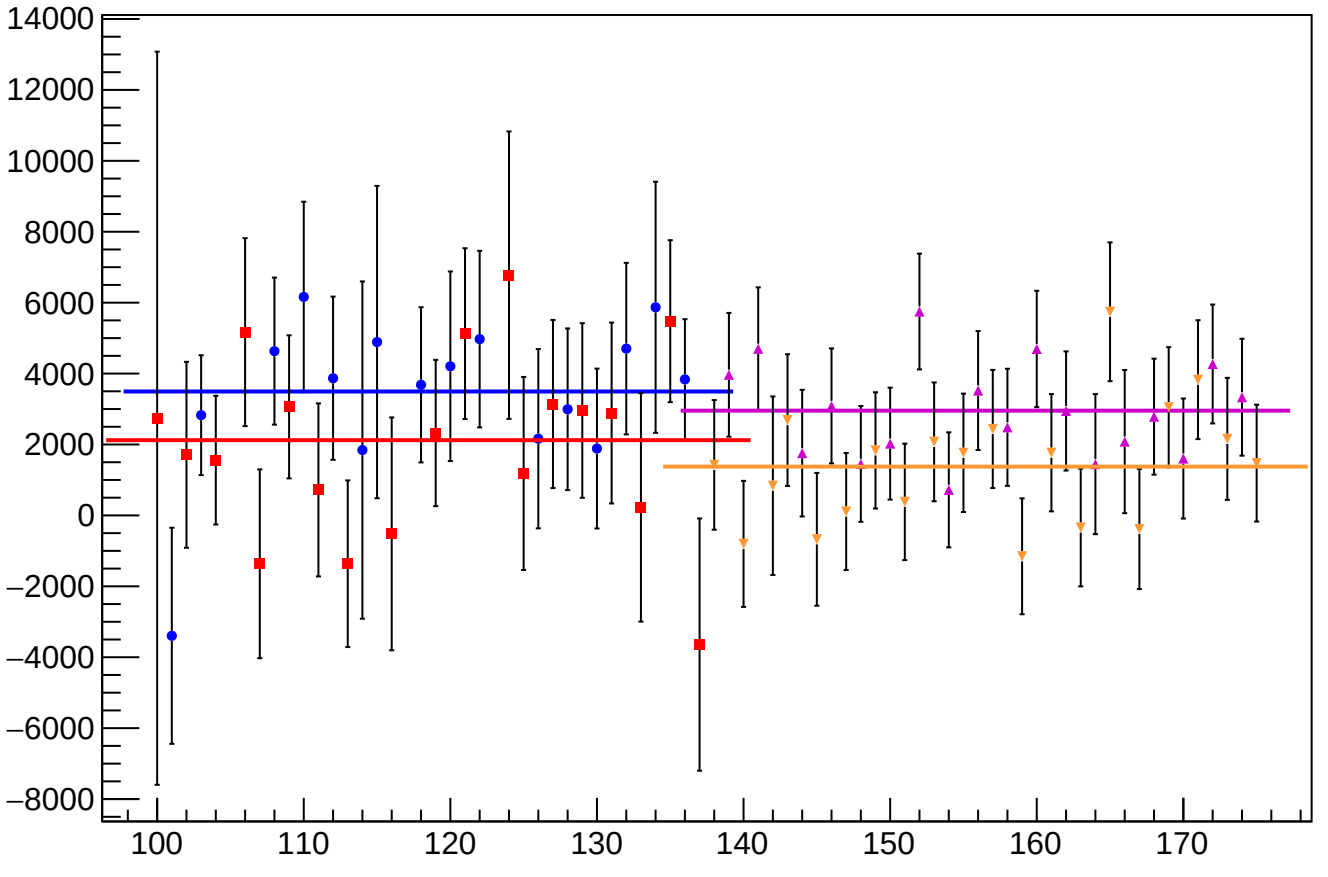
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:31.8/33

Out: 0.000+/-0.000 χ^2/NDF:42.1/38

All: -0.000+/-0.000 χ^2/NDF: 73.9/72


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2007536.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2403926.8/17
Left: 0.000+/-0.000 χ²/NDF: 4443263.4/37
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:6584136.9/33
Out: 0.000+/-0.000 χ²/NDF:6775578.9/38
All: 0.000+/-0.000 χ²/NDF: 13367128.9/72



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.900+/-387.595 χ^2/NDF:17.8/19

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2954.137+/-398.965 χ^2/NDF:11.2/17

Left: 2142.208+/-278.004 χ^2/NDF: 37.1/37

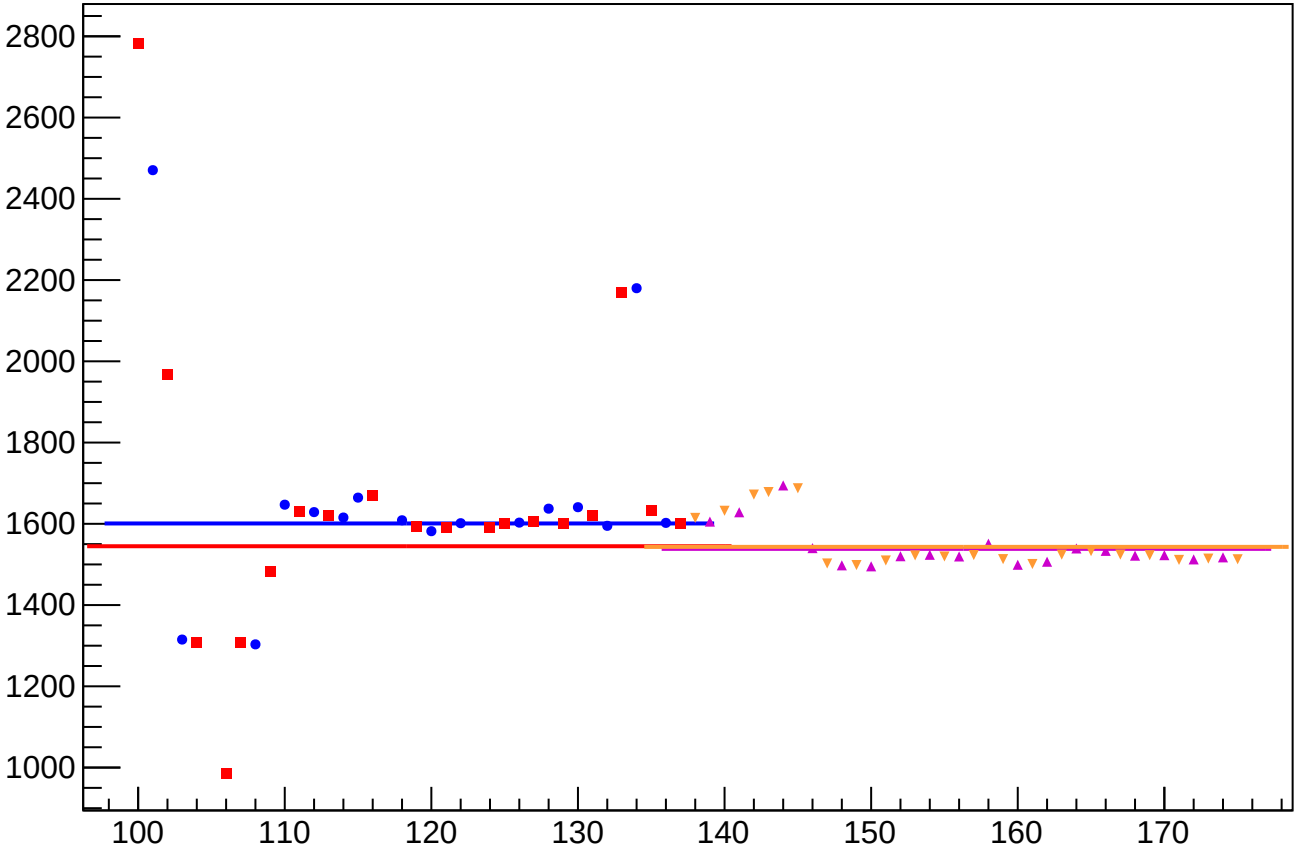
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3119.317+/-332.424 χ^2/NDF:20.6/33

Out: 1602.012+/-323.549 χ^2/NDF:34.0/38

All: 2340.140+/-231.858 χ^2/NDF: 65.3/72

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

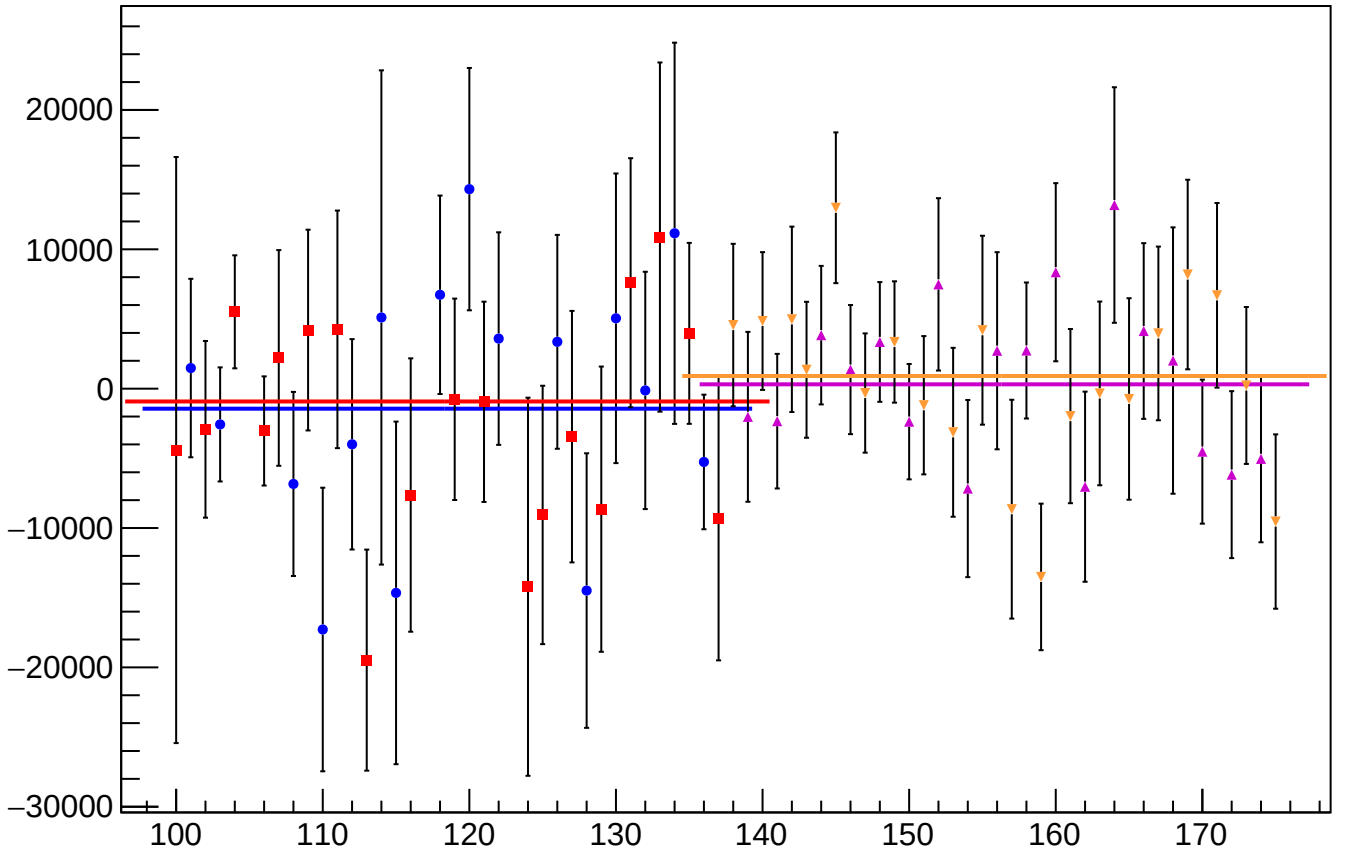
Left: 1540.866+/-0.197 χ^2/NDF: 75423.2/37

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1557.456+/-0.235 χ^2/NDF:362634.7/33

Out: 1543.739+/-0.228 χ^2/NDF:421212.9/38

All: 1550.377+/-0.164 χ^2/NDF: 785604.9/72



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 908.488+/-1276.657 χ^2/NDF:21.9/19

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 311.613+/-1322.696 χ^2/NDF:13.3/17

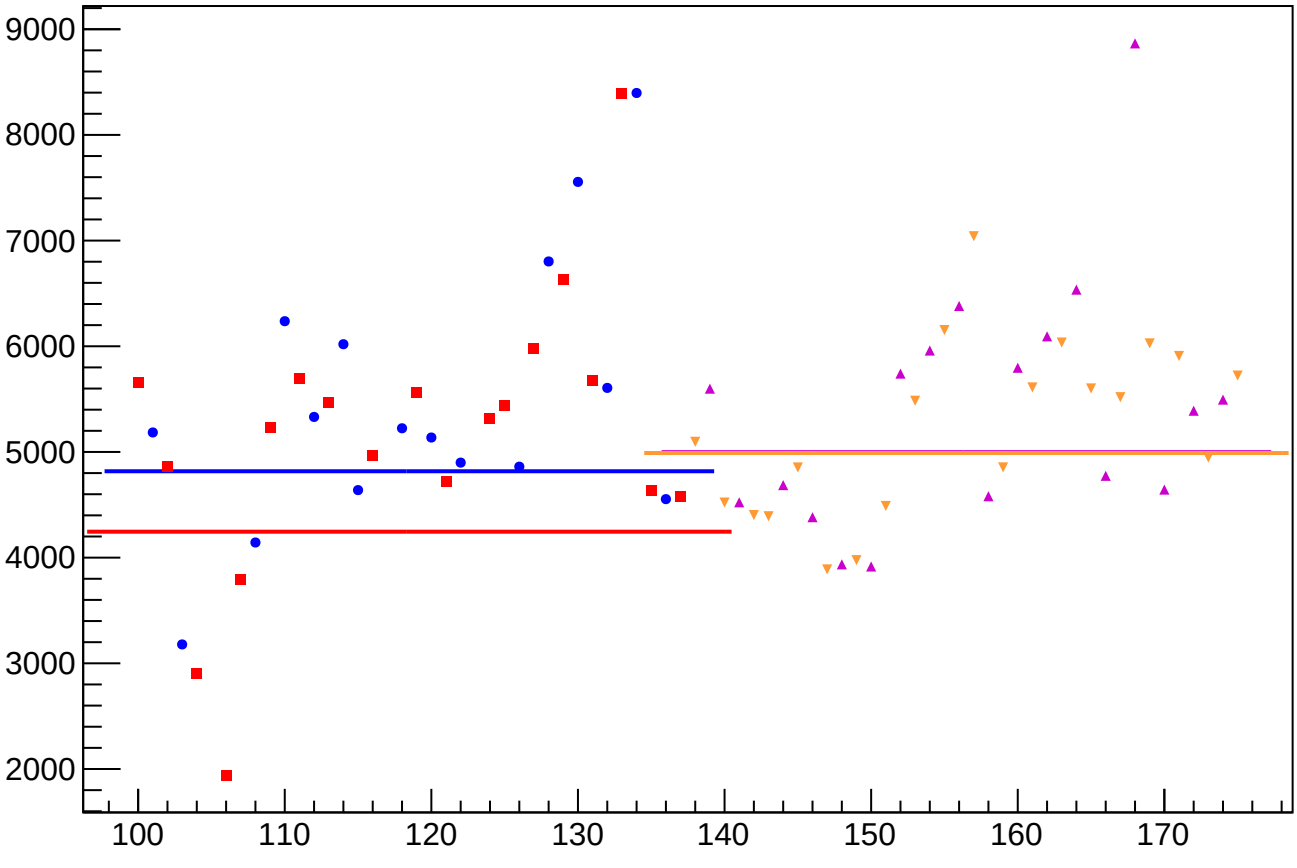
Left: 620.619+/-918.578 χ^2/NDF: 35.3/37

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -280.650+/-1075.636 χ^2/NDF:27.8/33

Out: 234.242+/-1014.079 χ^2/NDF:38.0/38

All: -8.050+/-737.864 χ^2/NDF: 65.9/72



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4989.863+/-0.903 χ^2/NDF:748160.5/19

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4998.353+/-0.935 χ^2/NDF:1017264.3/17

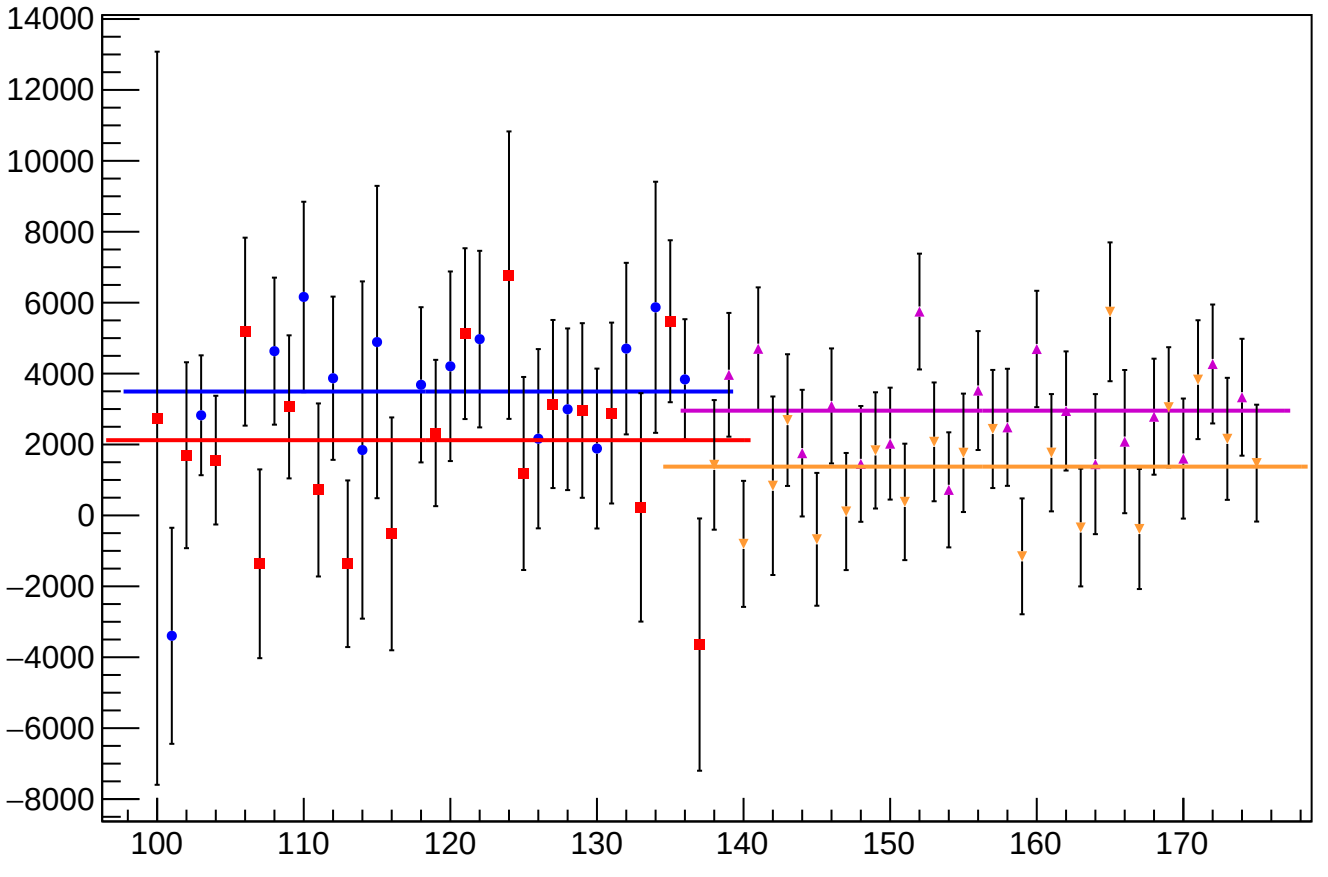
Left: 4993.958+/-0.650 χ^2/NDF: 1765467.4/37

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4937.048+/-0.761 χ^2/NDF:1825380.8/33

Out: 4715.168+/-0.717 χ^2/NDF:2682218.2/38

All: 4819.578+/-0.522 χ^2/NDF: 4552654.5/72



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2954.060+/-398.965 χ^2/NDF:11.2/17

Left: 2142.117+/-278.004 χ^2/NDF: 37.1/37

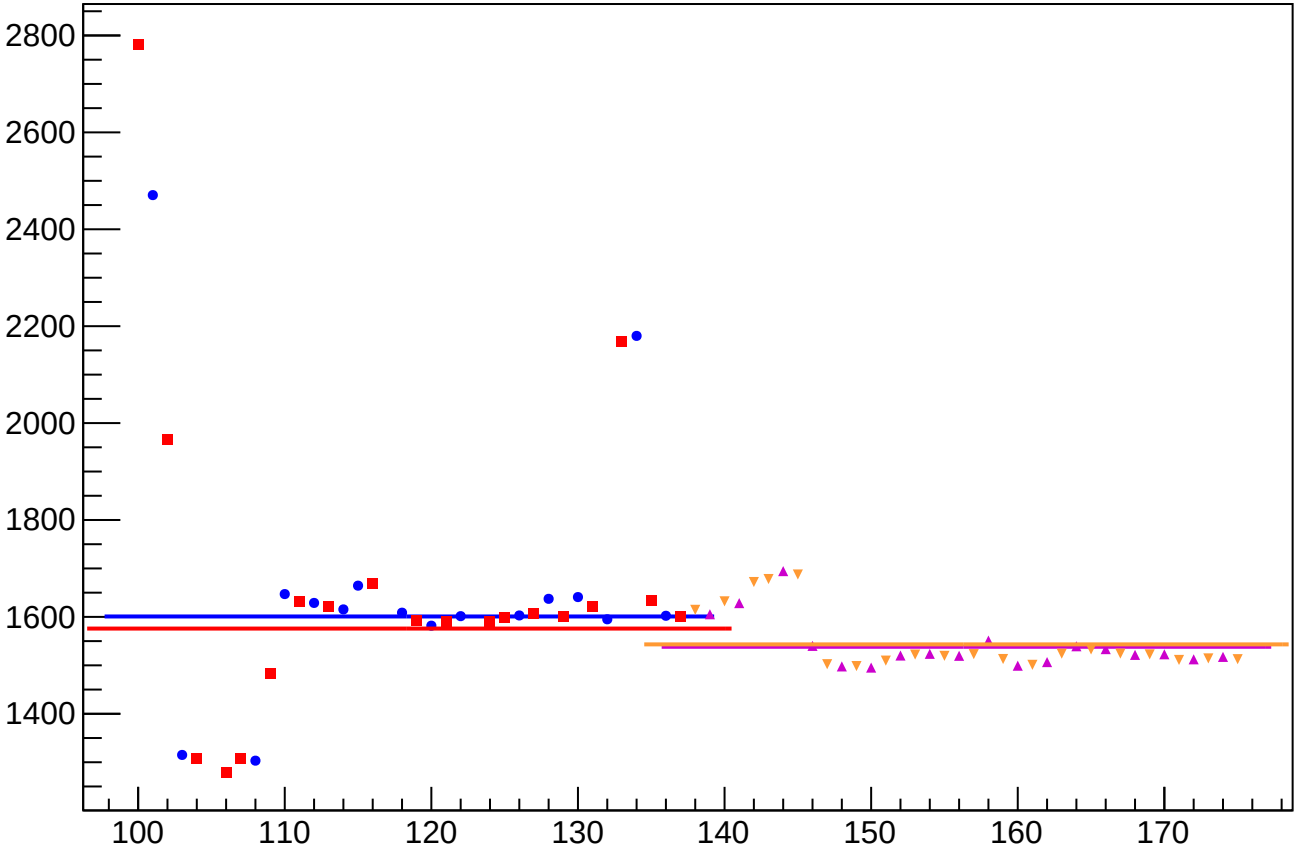
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3119.162+/-332.424 χ^2/NDF:20.6/33

Out: 1601.936+/-323.549 χ^2/NDF:34.0/38

All: 2340.026+/-231.858 χ^2/NDF: 65.3/72

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

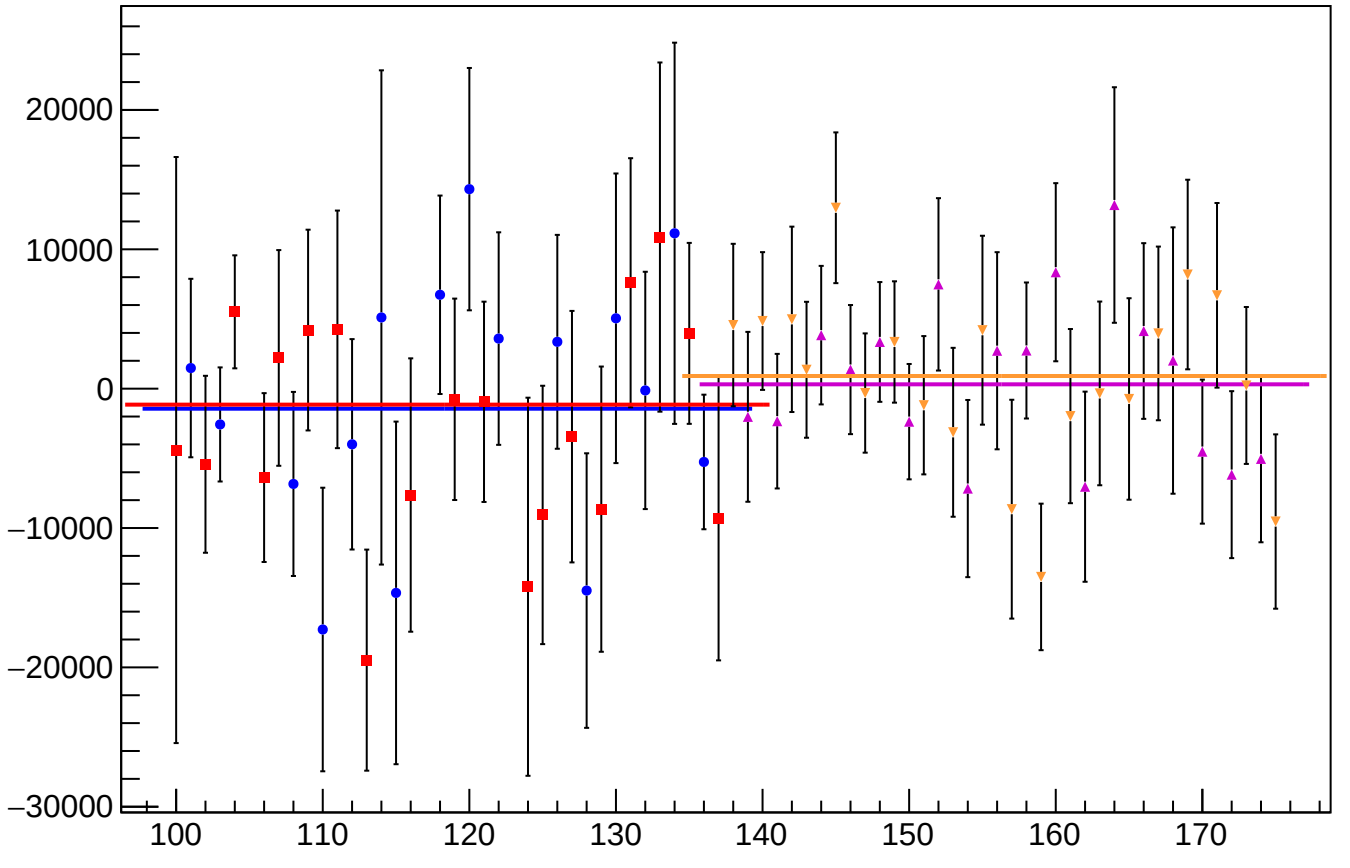
Left: 1540.866+/-0.197 χ^2/NDF: 75423.2/37

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1557.456+/-0.235 χ^2/NDF:362634.0/33

Out: 1553.209+/-0.229 χ^2/NDF:292731.7/38

All: 1555.272+/-0.164 χ^2/NDF: 655533.5/72



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 311.642+/-1322.696 χ^2/NDF:13.3/17

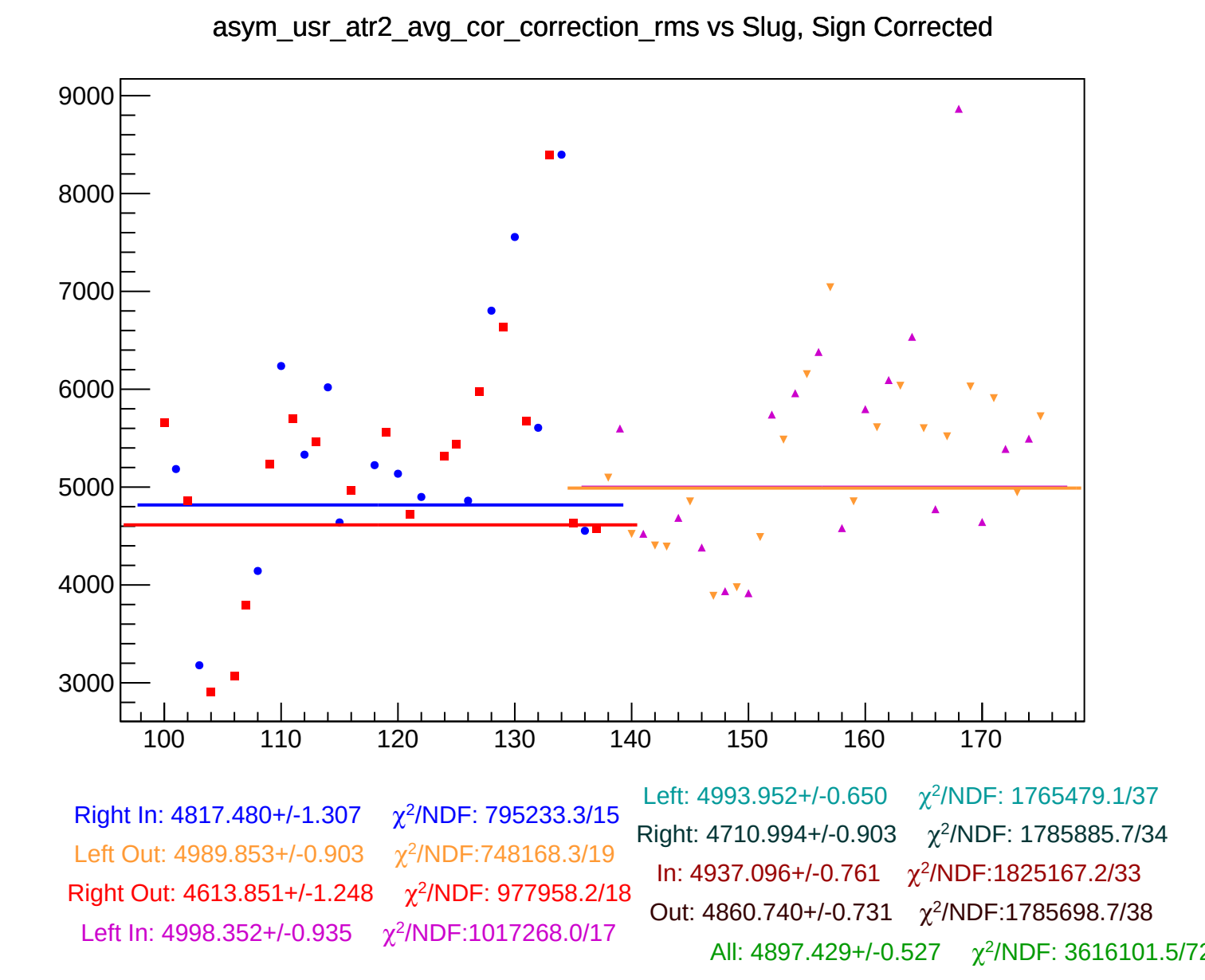
Left: 620.628+/-918.577 χ^2/NDF: 35.3/37

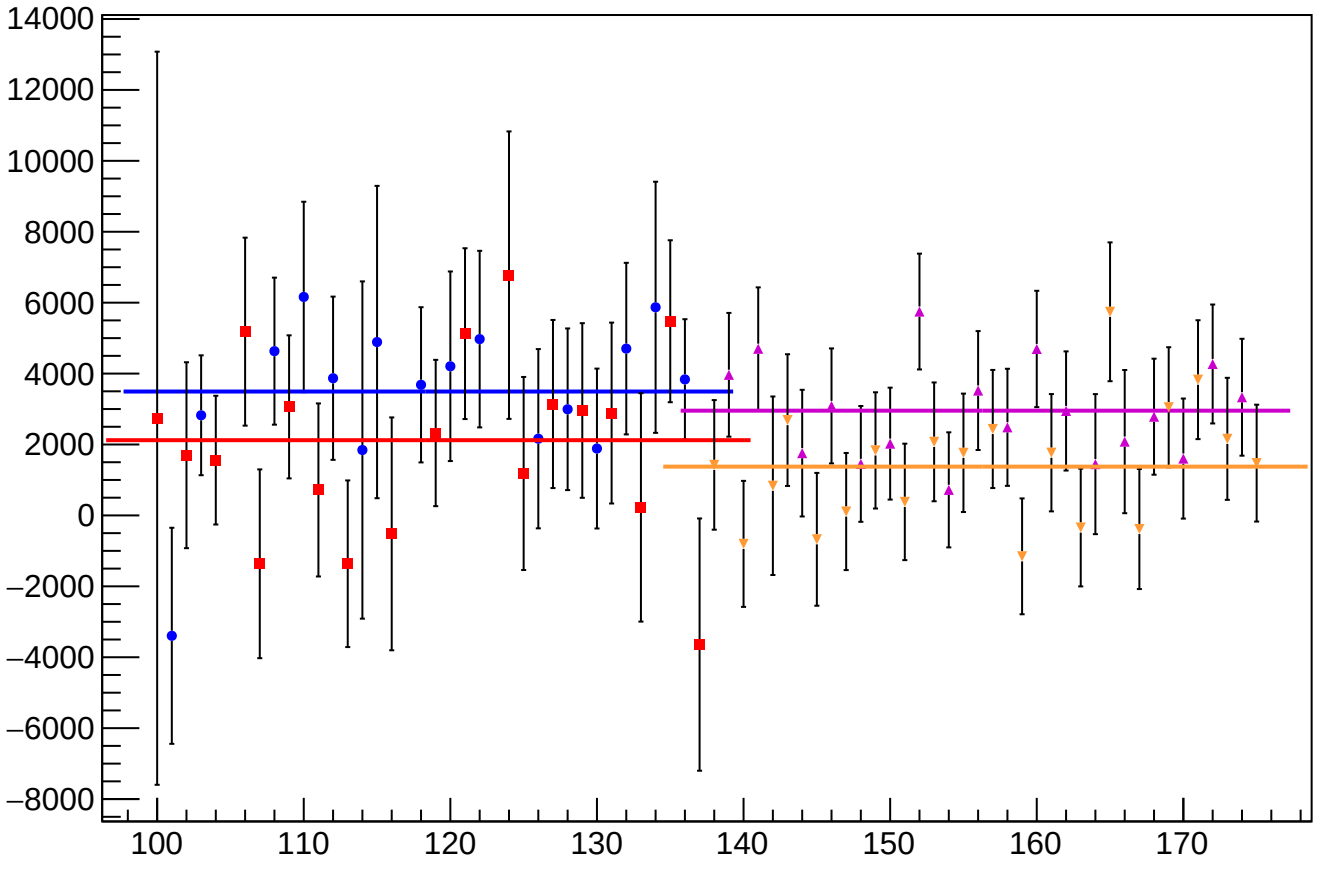
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -280.698+/-1075.643 χ^2/NDF:27.8/33

Out: 202.943+/-1034.497 χ^2/NDF:39.0/38

All: -29.451+/-745.622 χ^2/NDF: 66.9/72


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4989.853+/-0.903 χ²/NDF:748168.3/19
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4998.352+/-0.935 χ²/NDF:1017268.0/17
Left: 4993.952+/-0.650 χ²/NDF: 1765479.1/37
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4937.096+/-0.761 χ²/NDF:1825167.2/33
Out: 4860.740+/-0.731 χ²/NDF:1785698.7/38
All: 4897.429+/-0.527 χ²/NDF: 3616101.5/72



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2954.060+/-398.965 χ^2/NDF:11.2/17

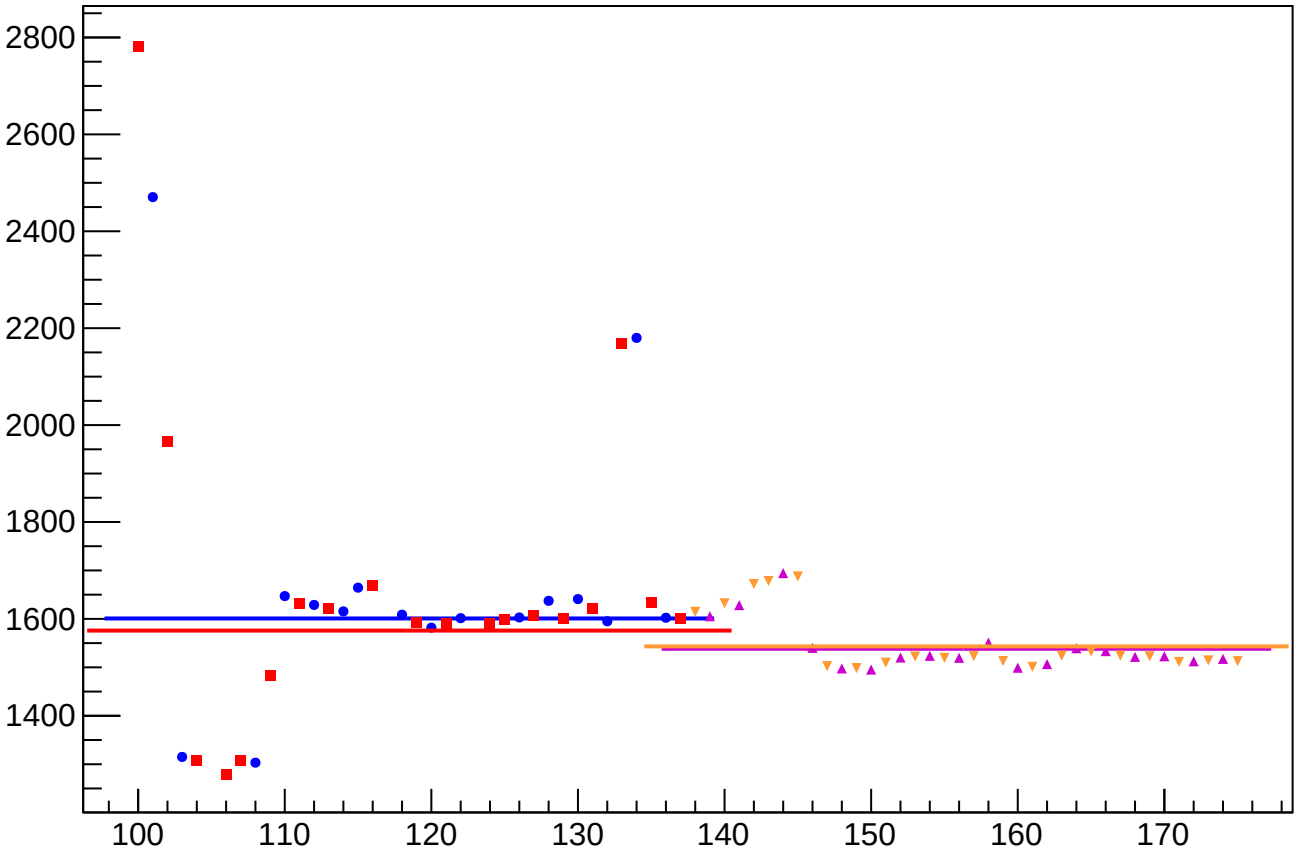
Left: 2142.117+/-278.004 χ^2/NDF: 37.1/37

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3119.162+/-332.424 χ^2/NDF:20.6/33

Out: 1601.936+/-323.549 χ^2/NDF:34.0/38

All: 2340.026+/-231.858 χ^2/NDF: 65.3/72



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

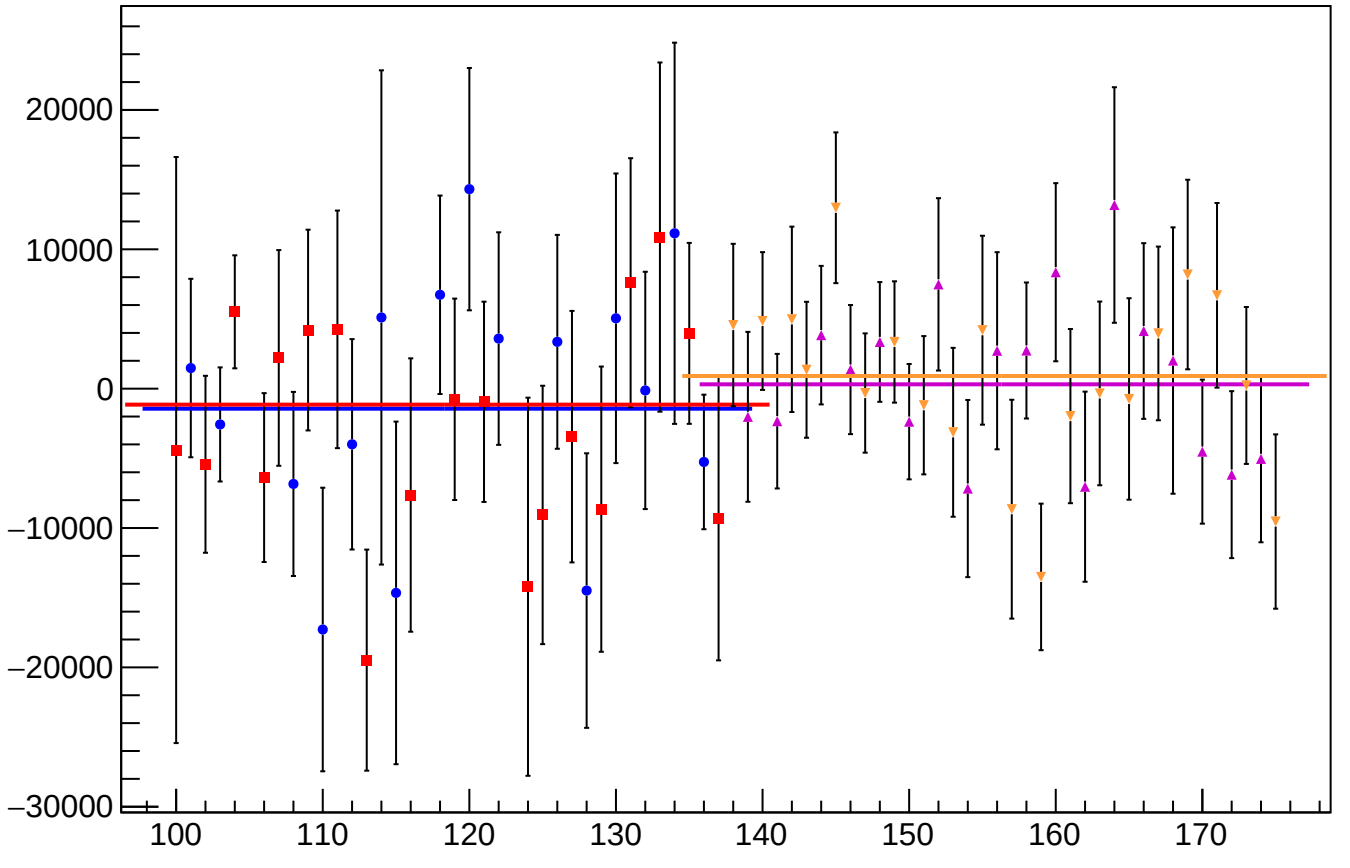
Left: 1540.866+/-0.197 χ^2/NDF: 75423.2/37

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1557.456+/-0.235 χ^2/NDF:362634.0/33

Out: 1553.209+/-0.229 χ^2/NDF:292731.7/38

All: 1555.272+/-0.164 χ^2/NDF: 655533.5/72



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 311.642+/-1322.696 χ^2/NDF:13.3/17

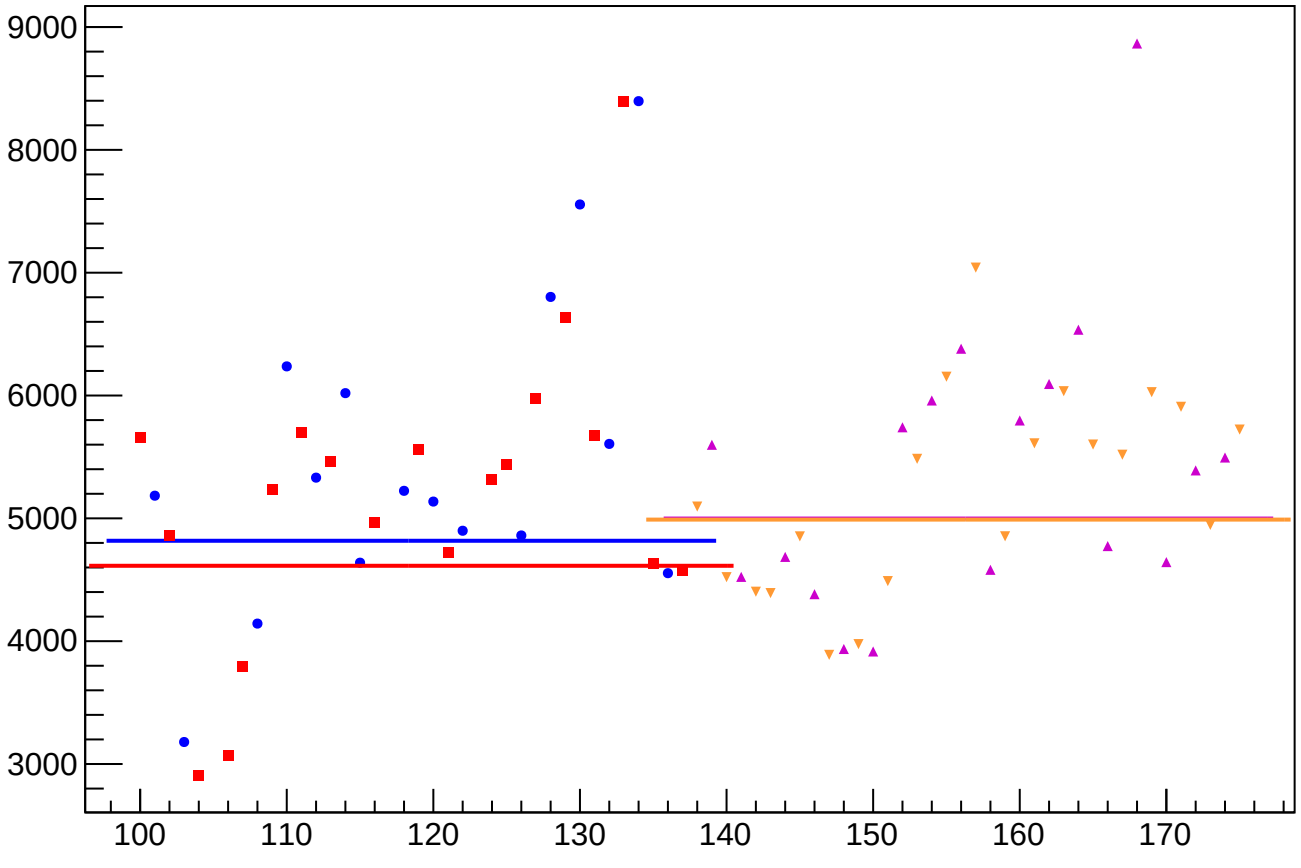
Left: 620.628+/-918.577 χ^2/NDF: 35.3/37

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -280.698+/-1075.643 χ^2/NDF:27.8/33

Out: 202.943+/-1034.497 χ^2/NDF:39.0/38

All: -29.451+/-745.622 χ^2/NDF: 66.9/72



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4989.853+/-0.903 χ^2/NDF:748168.3/19

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4998.352+/-0.935 χ^2/NDF:1017268.0/17

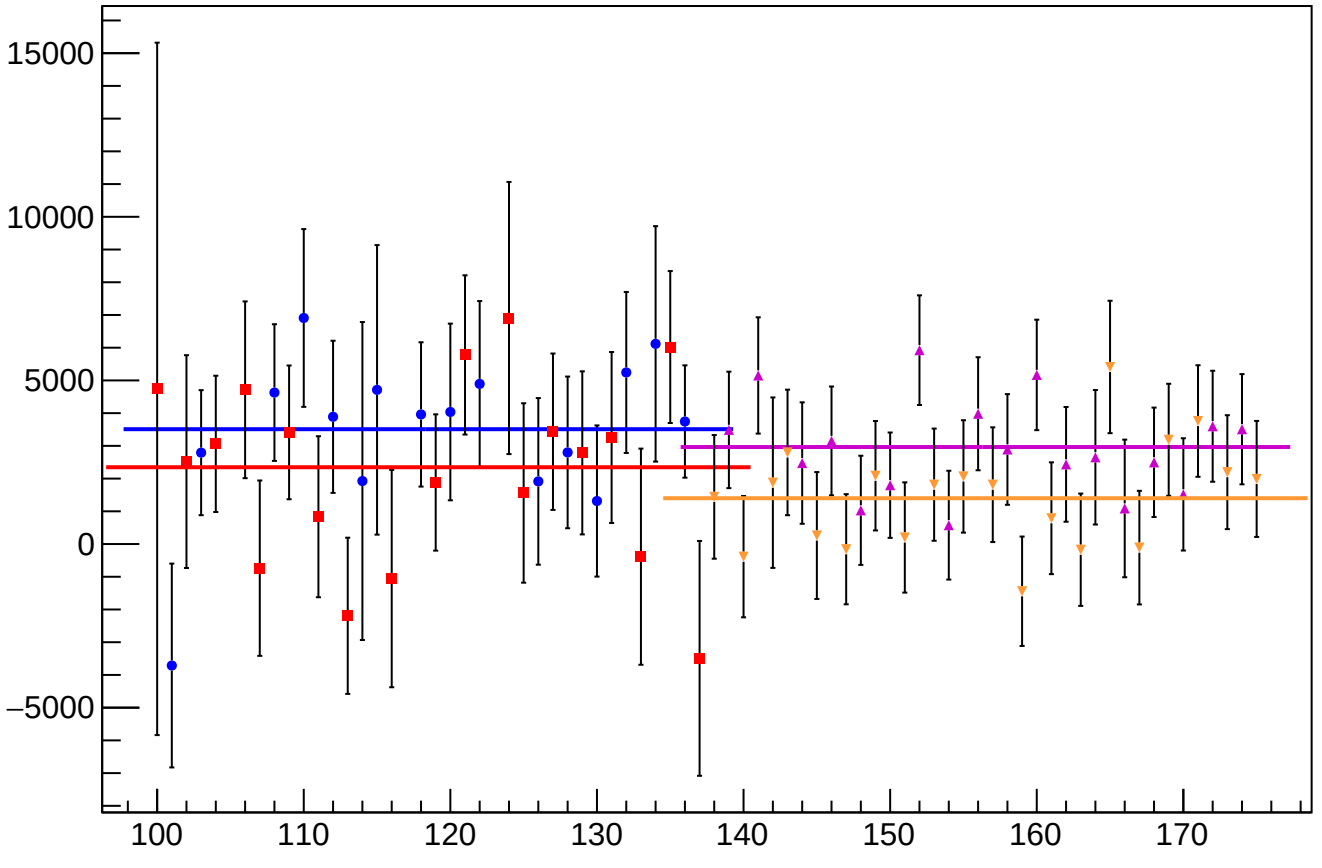
Left: 4993.952+/-0.650 χ^2/NDF: 1765479.1/37

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4937.096+/-0.761 χ^2/NDF:1825167.2/33

Out: 4860.740+/-0.731 χ^2/NDF:1785698.7/38

All: 4897.429+/-0.527 χ^2/NDF: 3616101.5/72



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.335+/-399.210 χ^2/NDF:15.5/19

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2964.559+/-409.284 χ^2/NDF:12.7/17

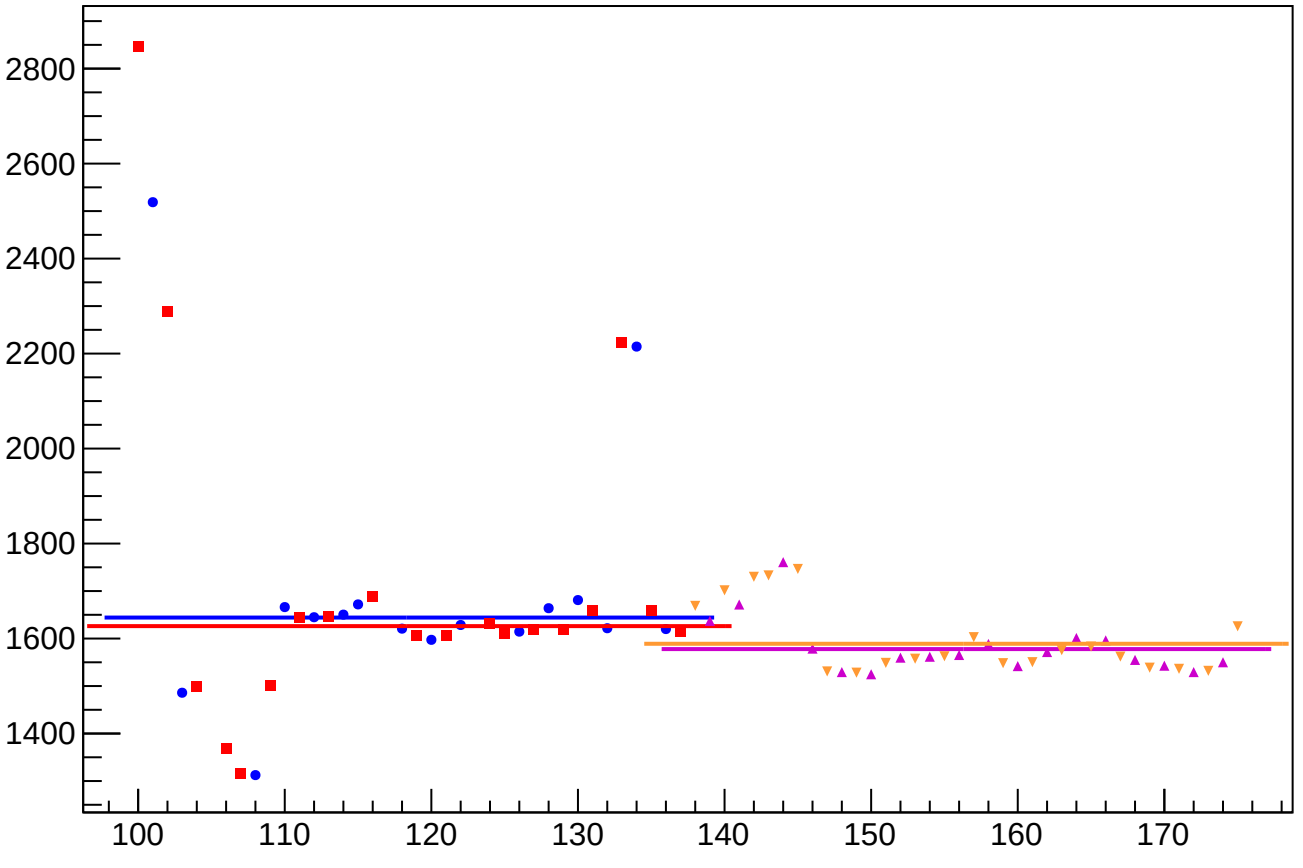
Left: 2162.959+/-285.779 χ^2/NDF: 35.7/37

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3131.181+/-341.020 χ^2/NDF:23.7/33

Out: 1685.797+/-333.623 χ^2/NDF:34.3/38

All: 2392.644+/-238.479 χ^2/NDF: 67.2/72



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1589.001+/-0.282 χ^2/NDF:58220.0/19

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1577.823+/-0.289 χ^2/NDF:36441.5/17

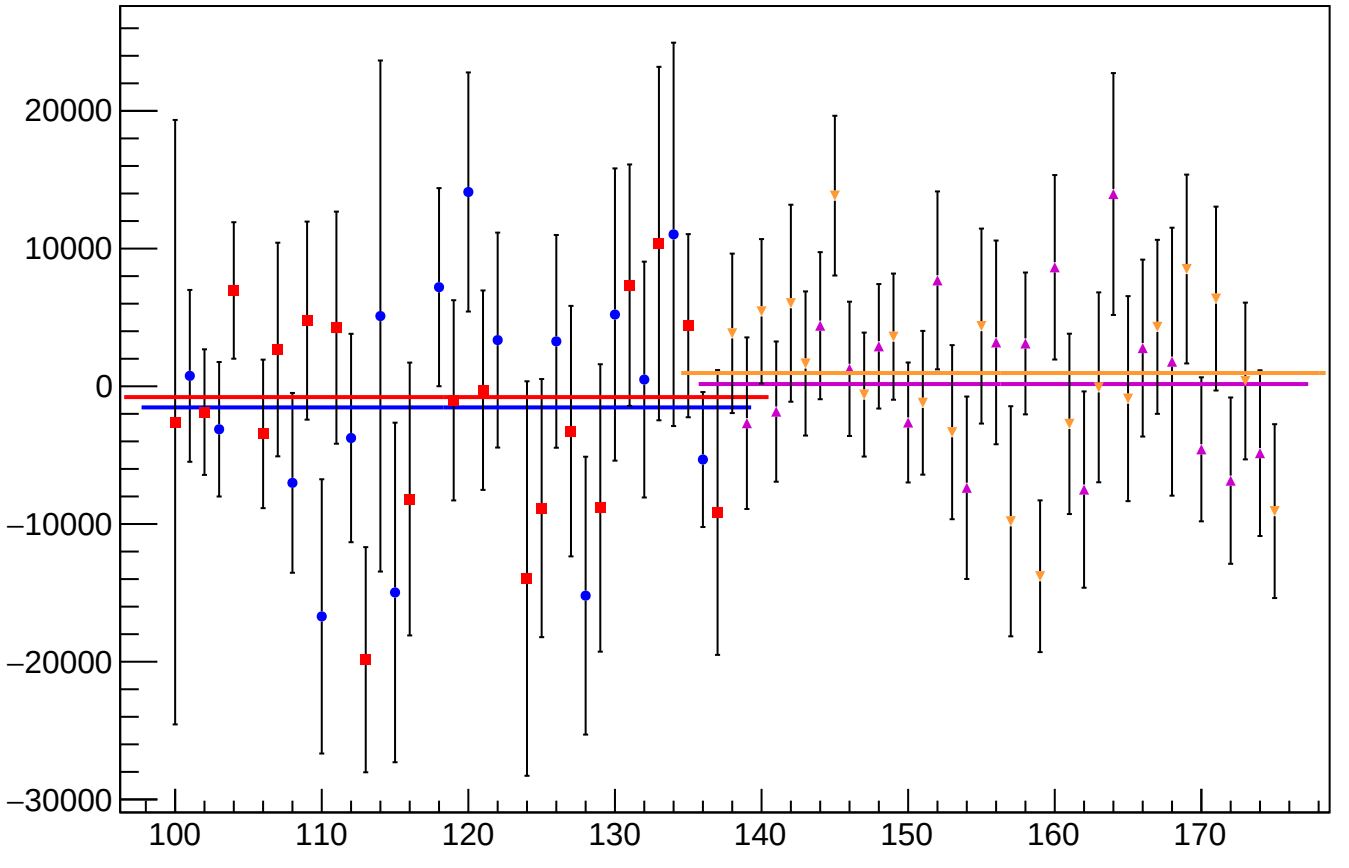
Left: 1583.551+/-0.202 χ^2/NDF: 95425.9/37

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1598.118+/-0.241 χ^2/NDF:327342.5/33

Out: 1600.226+/-0.236 χ^2/NDF:301095.7/38

All: 1599.195+/-0.169 χ^2/NDF: 628477.2/72



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 964.172+/-1330.388 χ^2/NDF:21.7/19

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 164.112+/-1377.295 χ^2/NDF:13.3/17

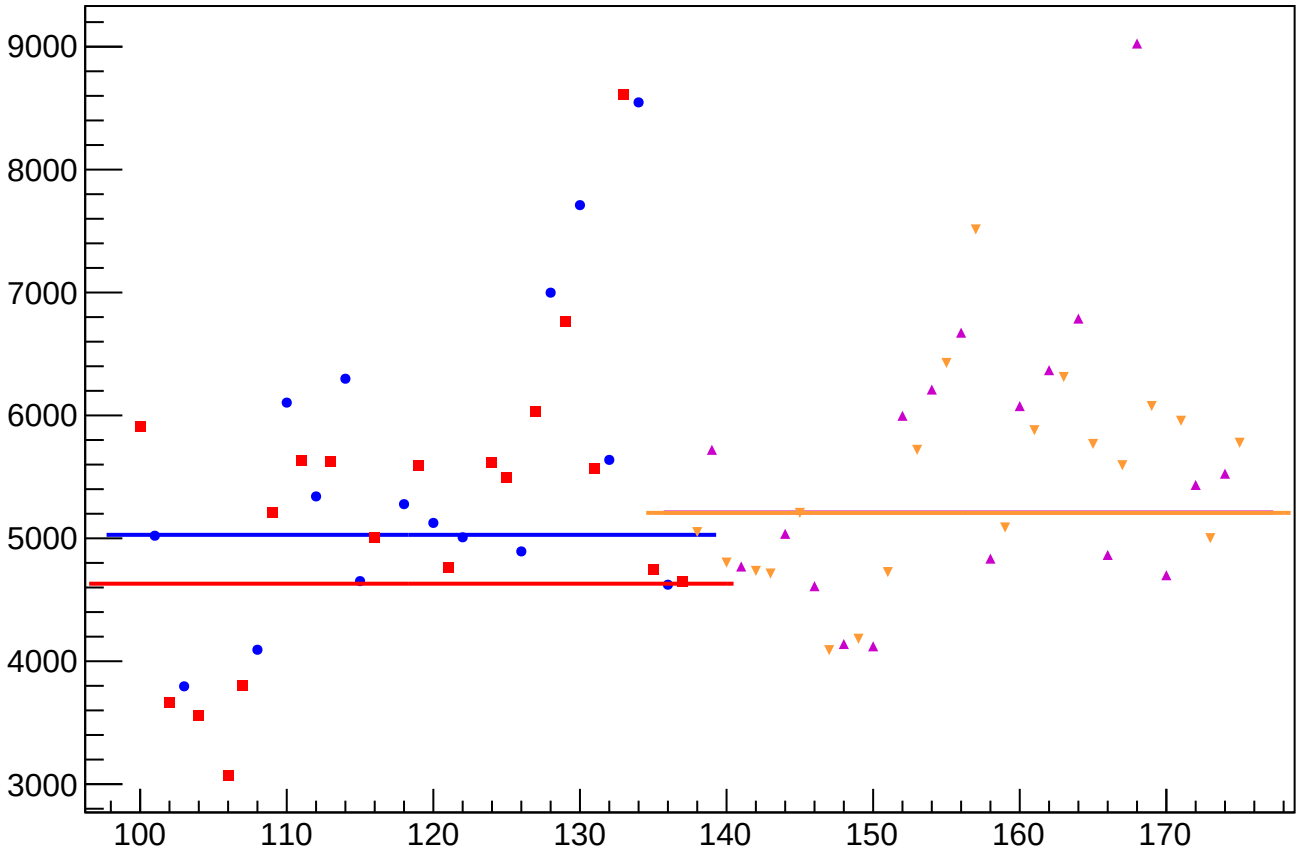
Left: 577.998+/-956.879 χ^2/NDF: 35.1/37

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -414.644+/-1117.899 χ^2/NDF:27.6/33

Out: 323.133+/-1058.773 χ^2/NDF:37.3/38

All: -25.730+/-768.719 χ^2/NDF: 65.2/72



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5207.276+/-0.941 χ^2/NDF:673583.3/19

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5210.392+/-0.974 χ^2/NDF:953247.2/17

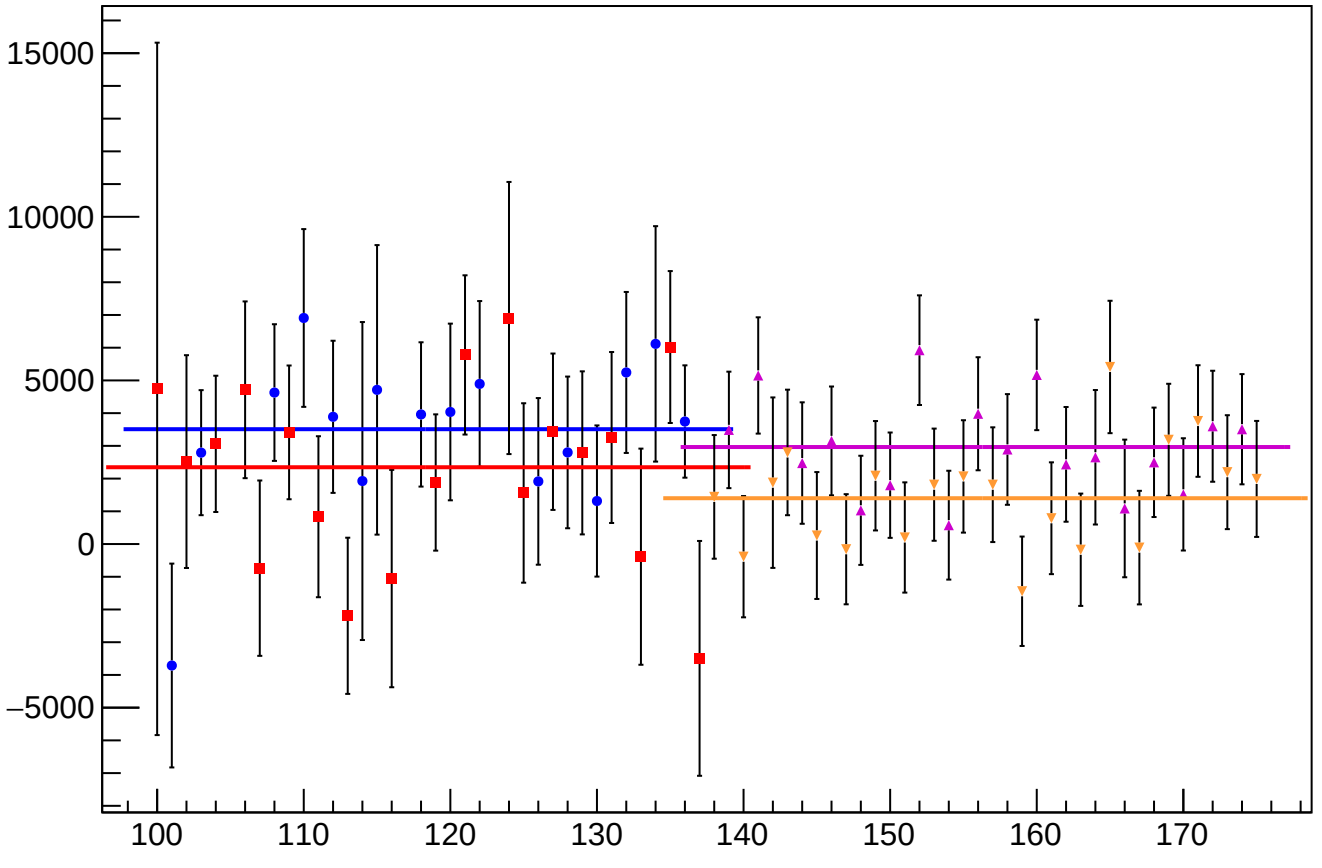
Left: 5208.780+/-0.677 χ^2/NDF: 1626835.8/37

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5148.313+/-0.790 χ^2/NDF:1530625.2/33

Out: 4995.953+/-0.749 χ^2/NDF:1674732.1/38

All: 5067.997+/-0.544 χ^2/NDF: 3224941.1/72



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.327+/-399.210 χ^2/NDF:15.5/19

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2964.562+/-409.284 χ^2/NDF:12.7/17

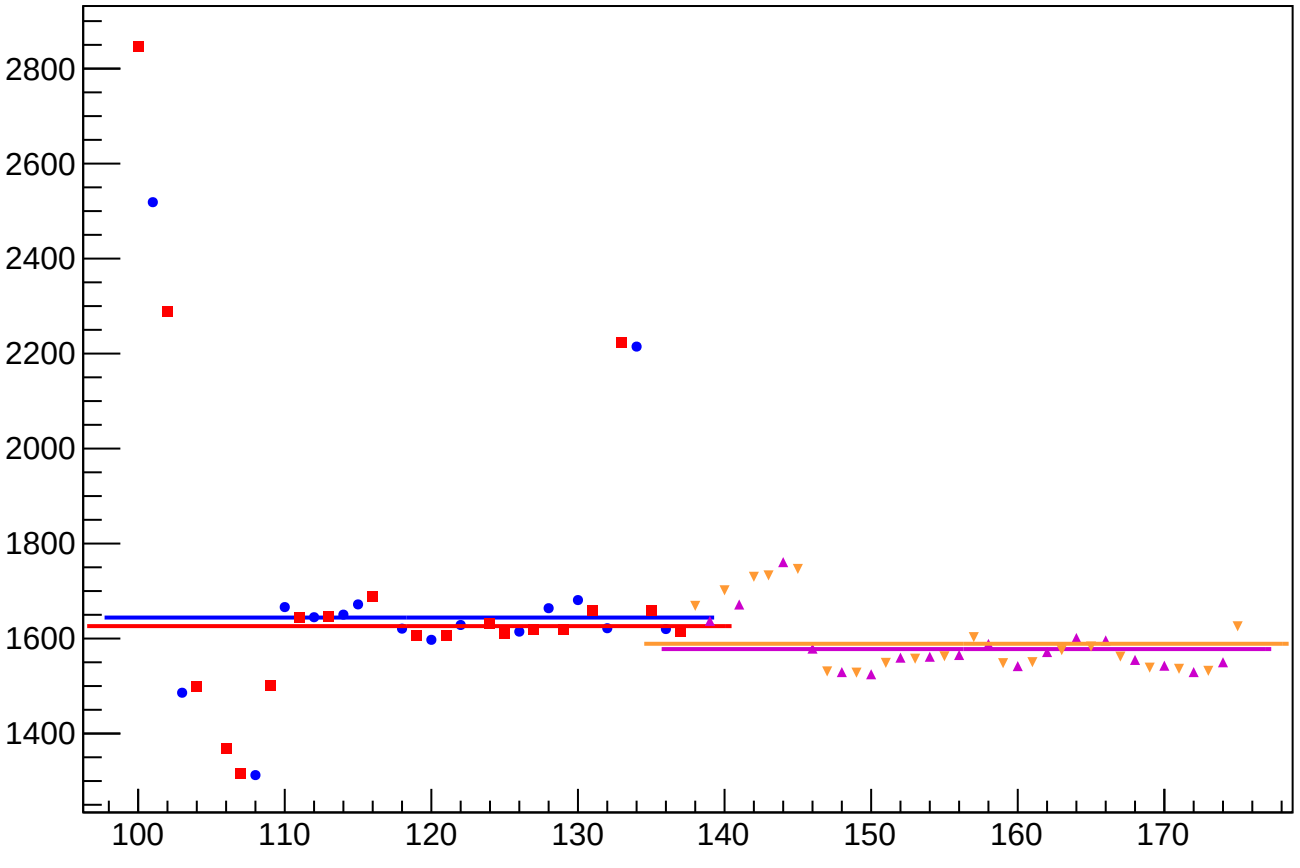
Left: 2162.957+/-285.779 χ^2/NDF: 35.7/37

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3131.184+/-341.020 χ^2/NDF:23.7/33

Out: 1685.794+/-333.623 χ^2/NDF:34.3/38

All: 2392.644+/-238.480 χ^2/NDF: 67.2/72



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1589.002+/-0.282 χ^2/NDF:58220.1/19

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1577.824+/-0.289 χ^2/NDF:36441.6/17

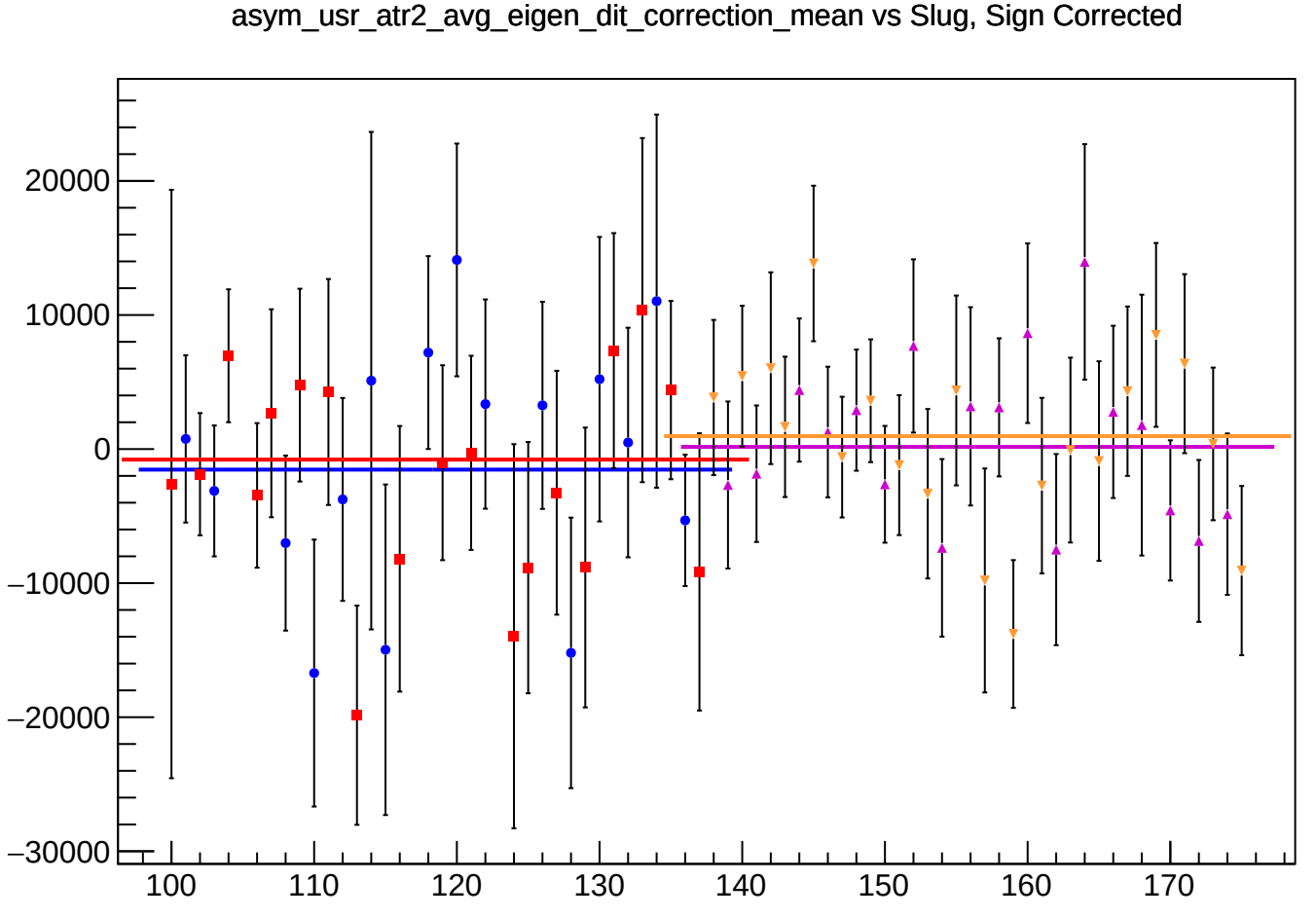
Left: 1583.552+/-0.202 χ^2/NDF: 95426.1/37

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1598.119+/-0.241 χ^2/NDF:327341.8/33

Out: 1600.226+/-0.236 χ^2/NDF:301095.1/38

All: 1599.196+/-0.169 χ^2/NDF: 628476.0/72



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 964.170+/-1330.390 χ^2/NDF:21.7/19

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 164.110+/-1377.297 χ^2/NDF:13.3/17

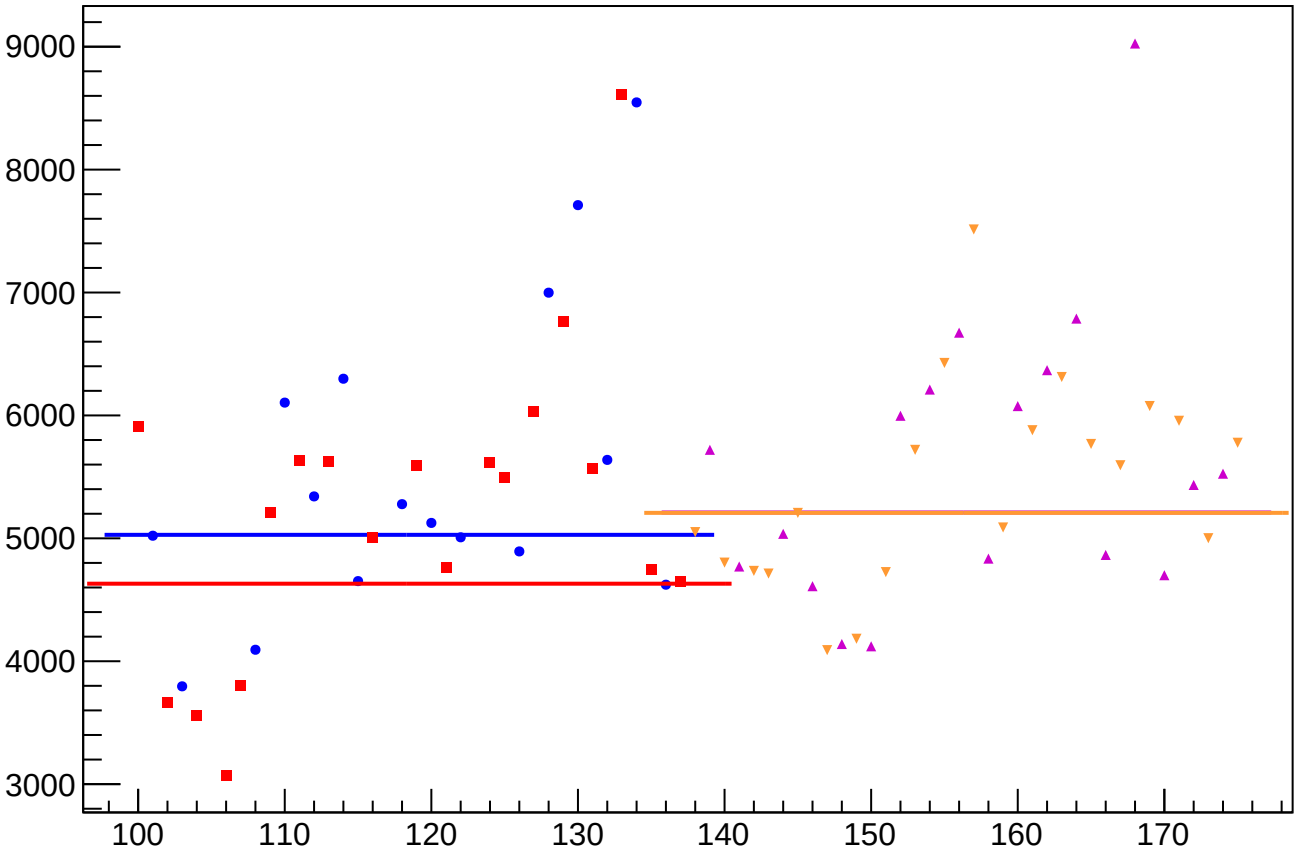
Left: 577.995+/-956.881 χ^2/NDF: 35.1/37

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -414.642+/-1117.900 χ^2/NDF:27.6/33

Out: 323.128+/-1058.774 χ^2/NDF:37.3/38

All: -25.731+/-768.719 χ^2/NDF: 65.2/72



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5207.285+/-0.941 χ^2/NDF:673583.8/19

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5210.401+/-0.974 χ^2/NDF:953248.9/17

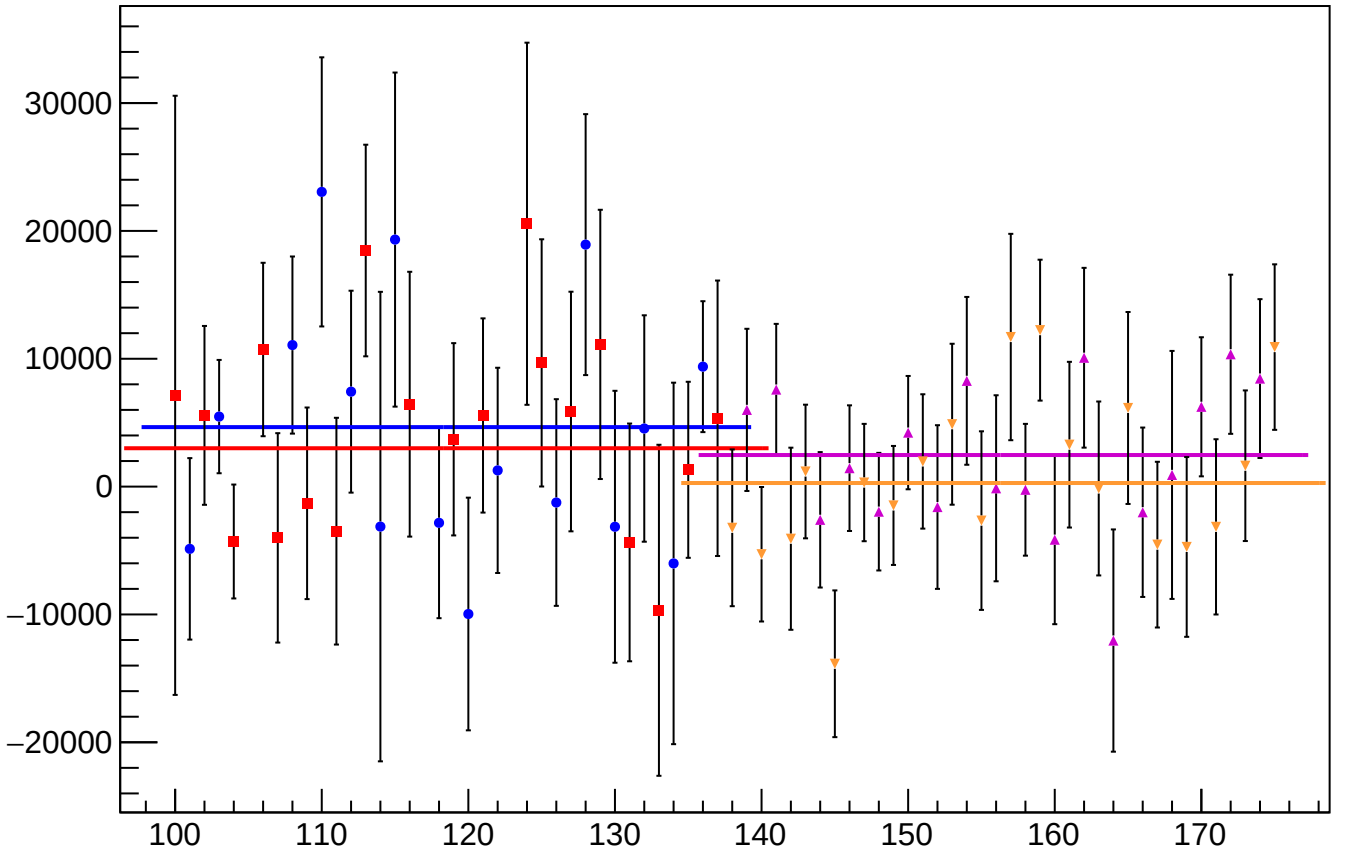
Left: 5208.789+/-0.677 χ^2/NDF: 1626838.0/37

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5148.316+/-0.790 χ^2/NDF:1530622.6/33

Out: 4995.955+/-0.749 χ^2/NDF:1674734.2/38

All: 5068.000+/-0.544 χ^2/NDF: 3224940.7/72



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 280.747+/-1342.981 χ^2/NDF:20.5/19

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2469.833+/-1390.239 χ^2/NDF:13.4/17

Left: 1337.451+/-965.906 χ^2/NDF: 35.2/37

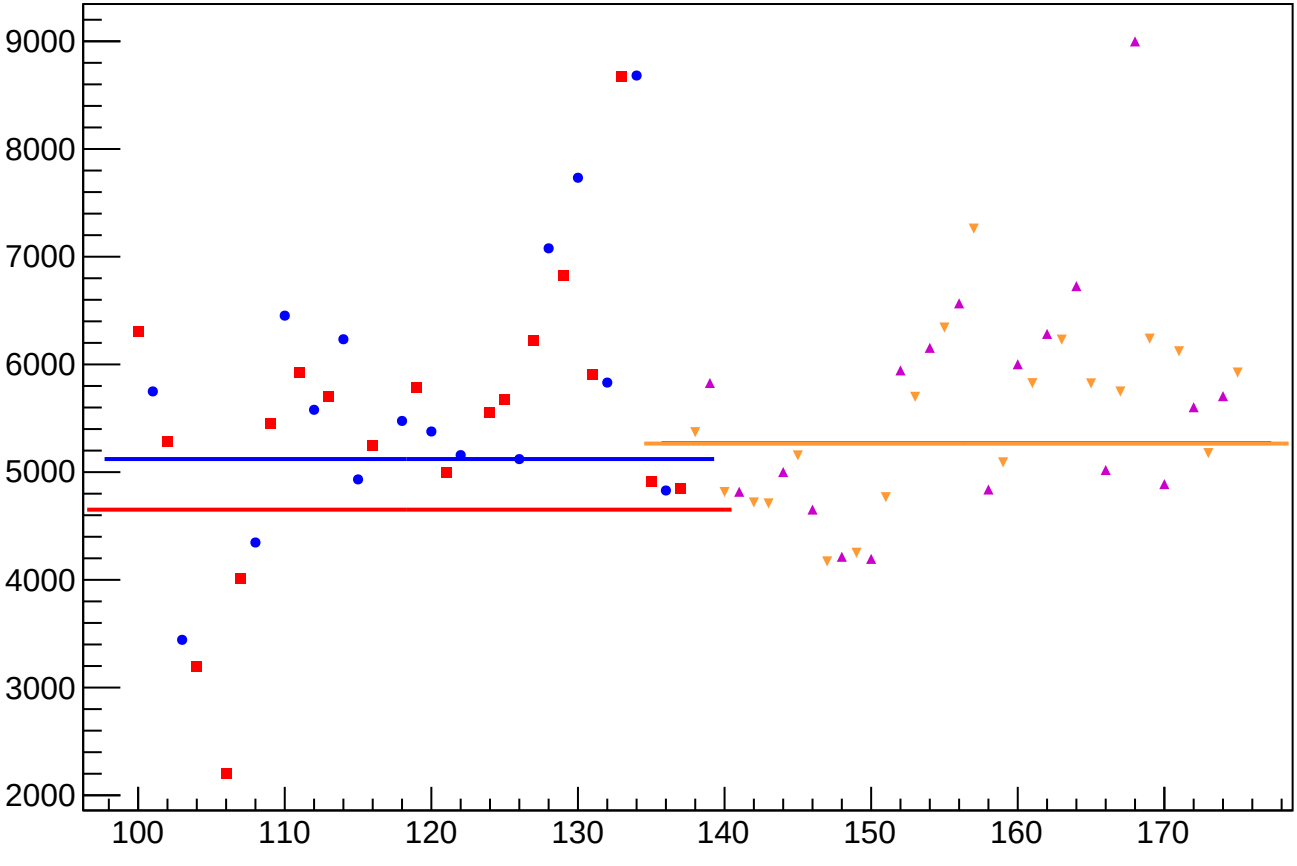
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3201.364+/-1133.657 χ^2/NDF:29.7/33

Out: 1198.033+/-1093.348 χ^2/NDF:35.7/38

All: 2163.449+/-786.978 χ^2/NDF: 67.1/72

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5265.283+/-0.950 χ^2/NDF:626414.5/19

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5269.485+/-0.983 χ^2/NDF:872819.6/17

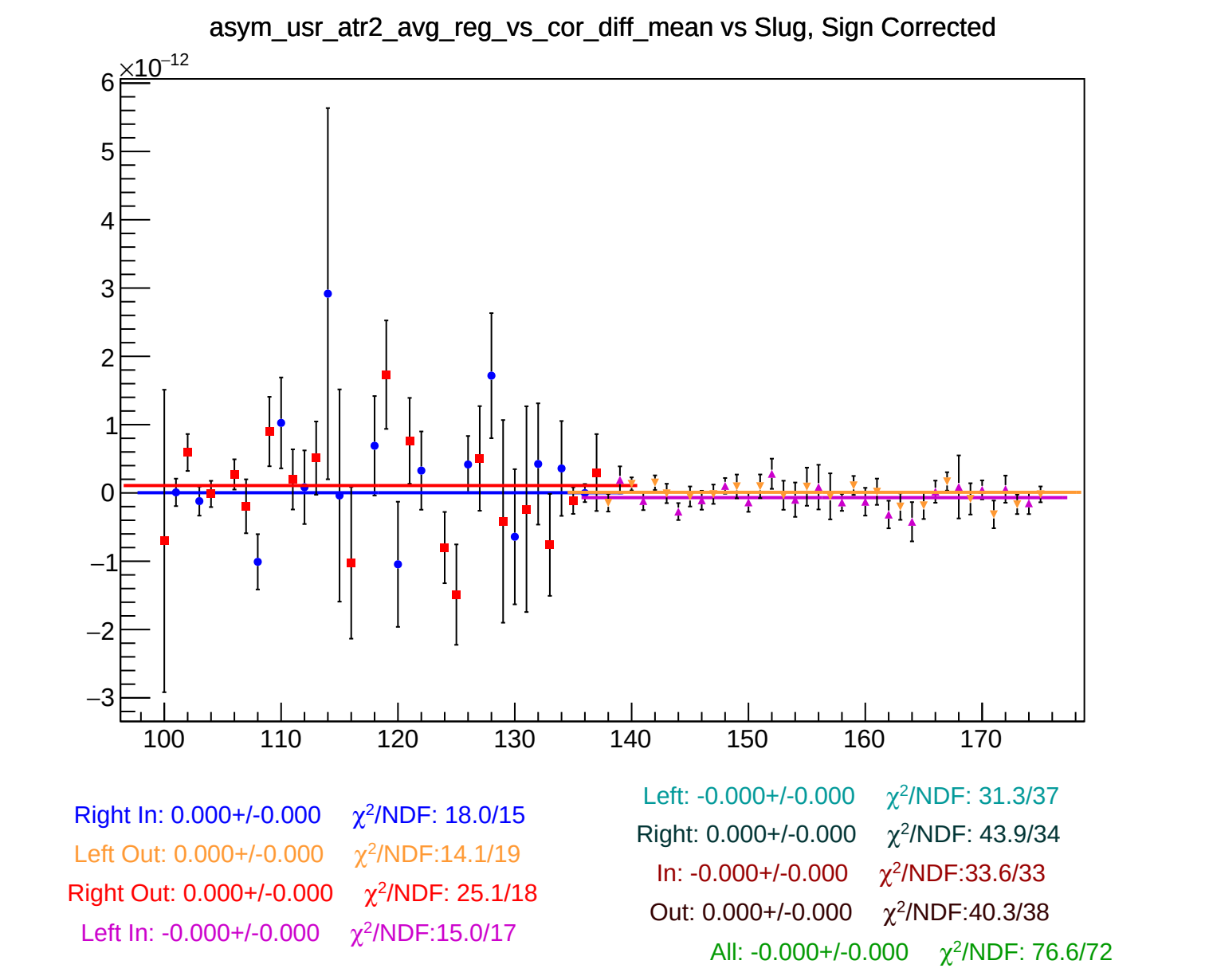
Left: 5267.311+/-0.683 χ^2/NDF: 1499243.6/37

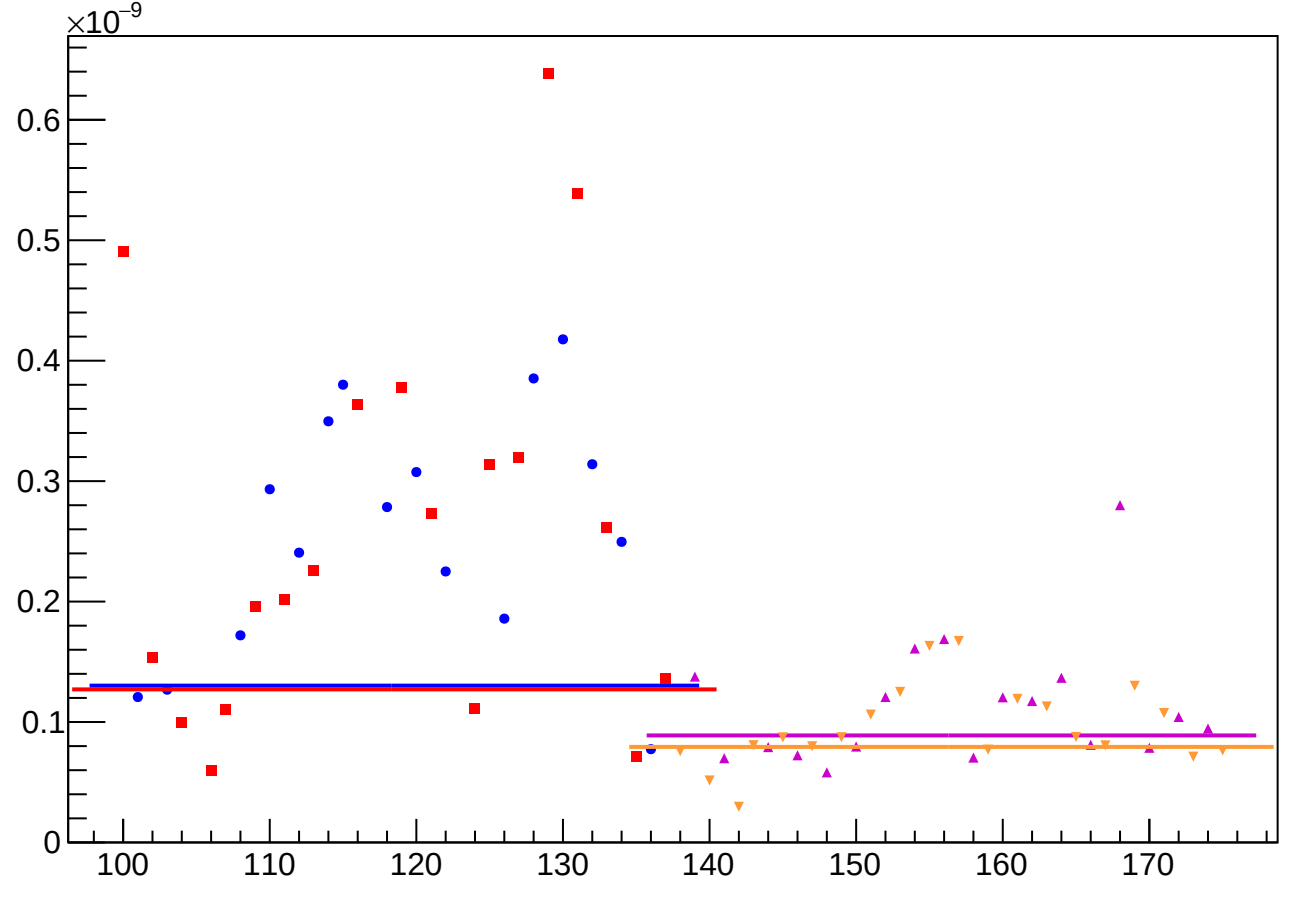
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5219.950+/-0.802 χ^2/NDF:1600767.8/33

Out: 5047.541+/-0.763 χ^2/NDF:2119427.0/38

All: 5129.463+/-0.553 χ^2/NDF: 3744472.7/72


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:14.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:15.0/17
Left: -0.000+/-0.000 χ²/NDF: 31.3/37
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:33.6/33
Out: 0.000+/-0.000 χ²/NDF:40.3/38
All: -0.000+/-0.000 χ²/NDF: 76.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1370050.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1241069.0/17

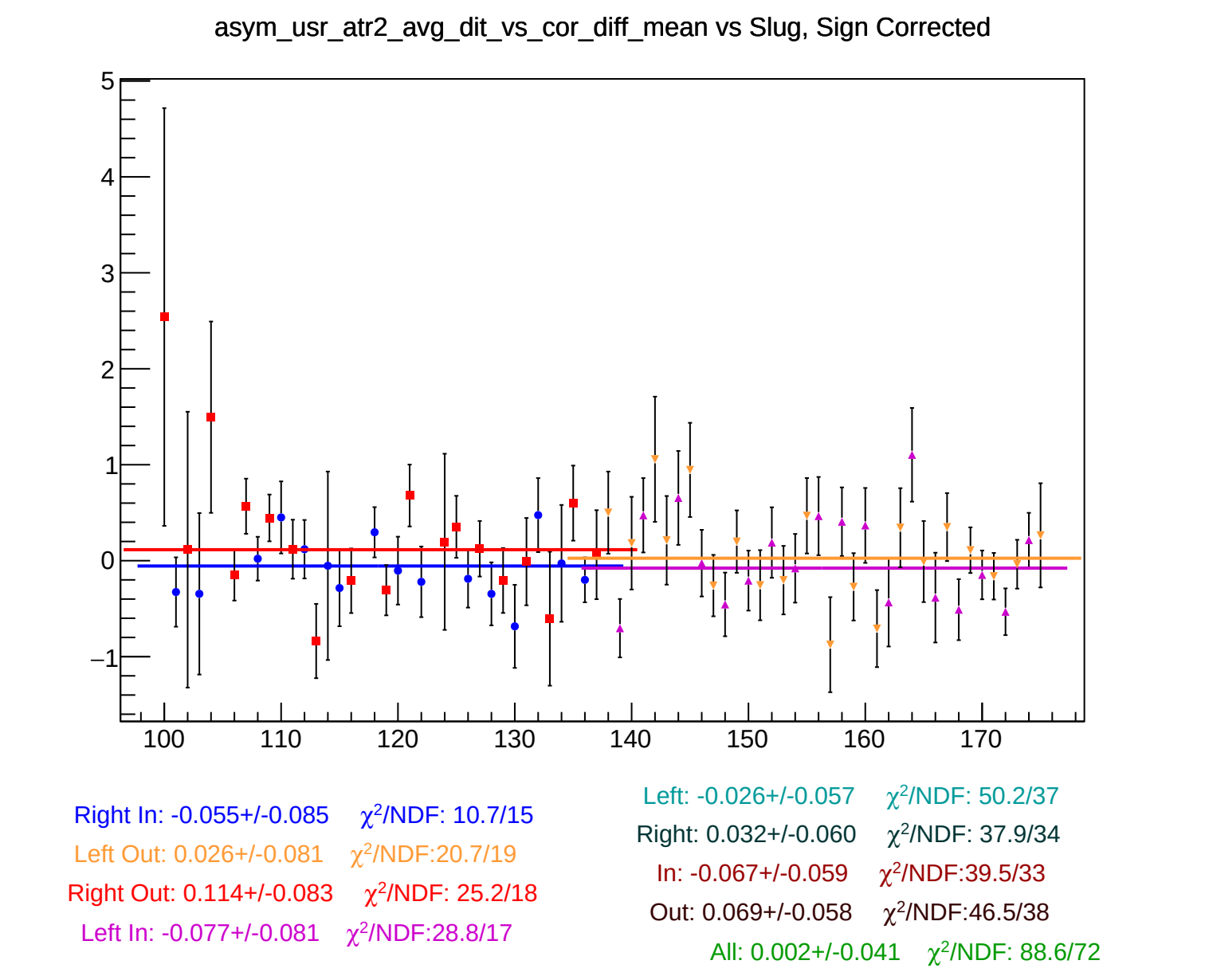
Left: 0.000+/-0.000 χ^2/NDF: 2678864.3/37

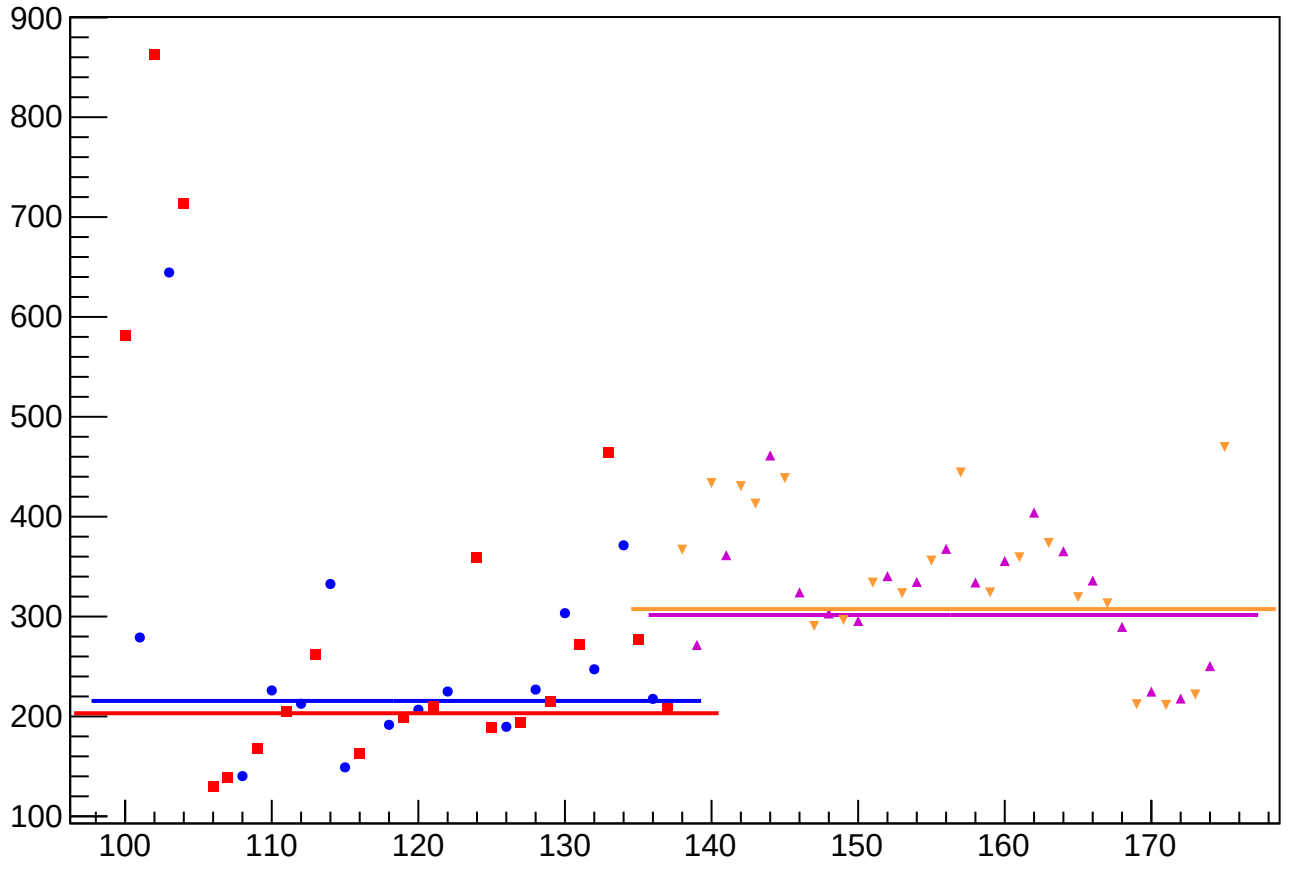
Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:2949950.6/33

Out: 0.000+/-0.000 χ^2/NDF:3601275.1/38

All: 0.000+/-0.000 χ^2/NDF: 6648655.1/72


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.026+/-0.081 χ²/NDF:20.7/19
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.077+/-0.081 χ²/NDF:28.8/17
Left: -0.026+/-0.057 χ²/NDF: 50.2/37
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.067+/-0.059 χ²/NDF:39.5/33
Out: 0.069+/-0.058 χ²/NDF:46.5/38
All: 0.002+/-0.041 χ²/NDF: 88.6/72



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

Left: 304.530+/-0.040 χ^2/NDF: 2899771.2/37

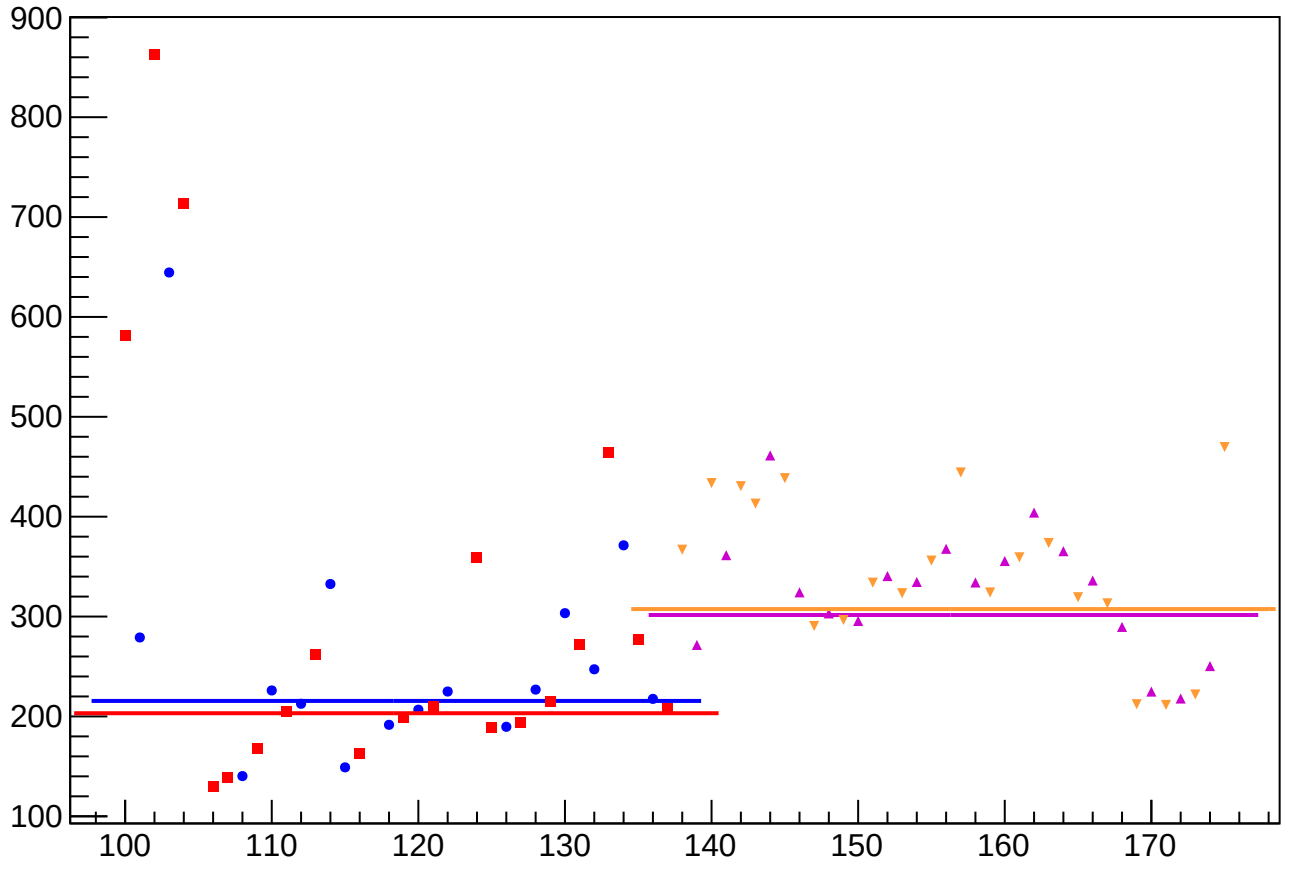
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 260.935+/-0.042 χ^2/NDF:3285691.6/33

Out: 256.906+/-0.041 χ^2/NDF:5280189.6/38

All: 258.894+/-0.029 χ^2/NDF: 8570651.5/72

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.026+/-0.081 χ²/NDF:20.7/19
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.077+/-0.081 χ²/NDF:28.8/17
Left: -0.026+/-0.057 χ²/NDF: 50.2/37
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.067+/-0.059 χ²/NDF:39.5/33
Out: 0.069+/-0.058 χ²/NDF:46.5/38
All: 0.002+/-0.041 χ²/NDF: 88.6/72



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

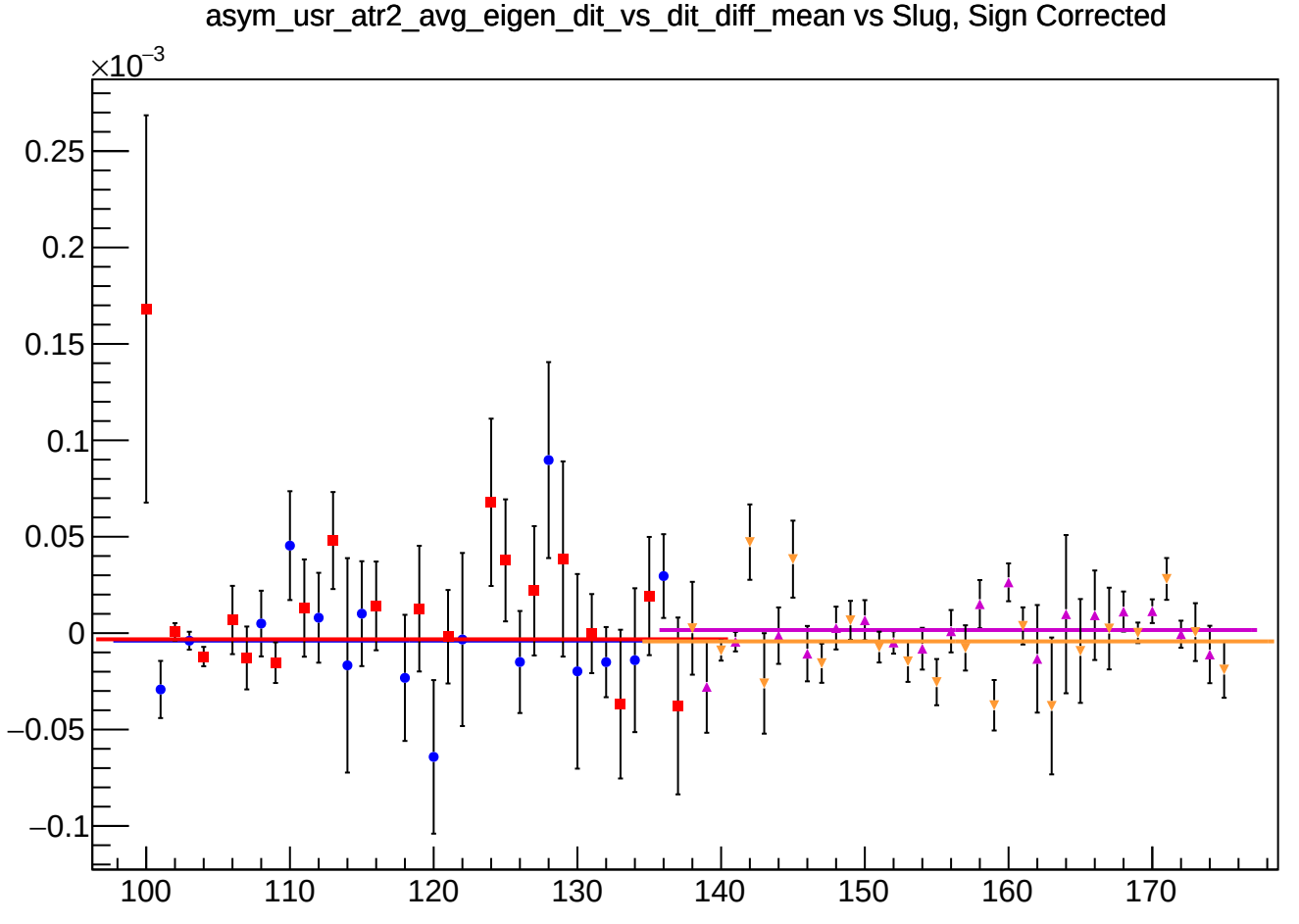
Left: 304.530+/-0.040 χ^2/NDF: 2899771.2/37

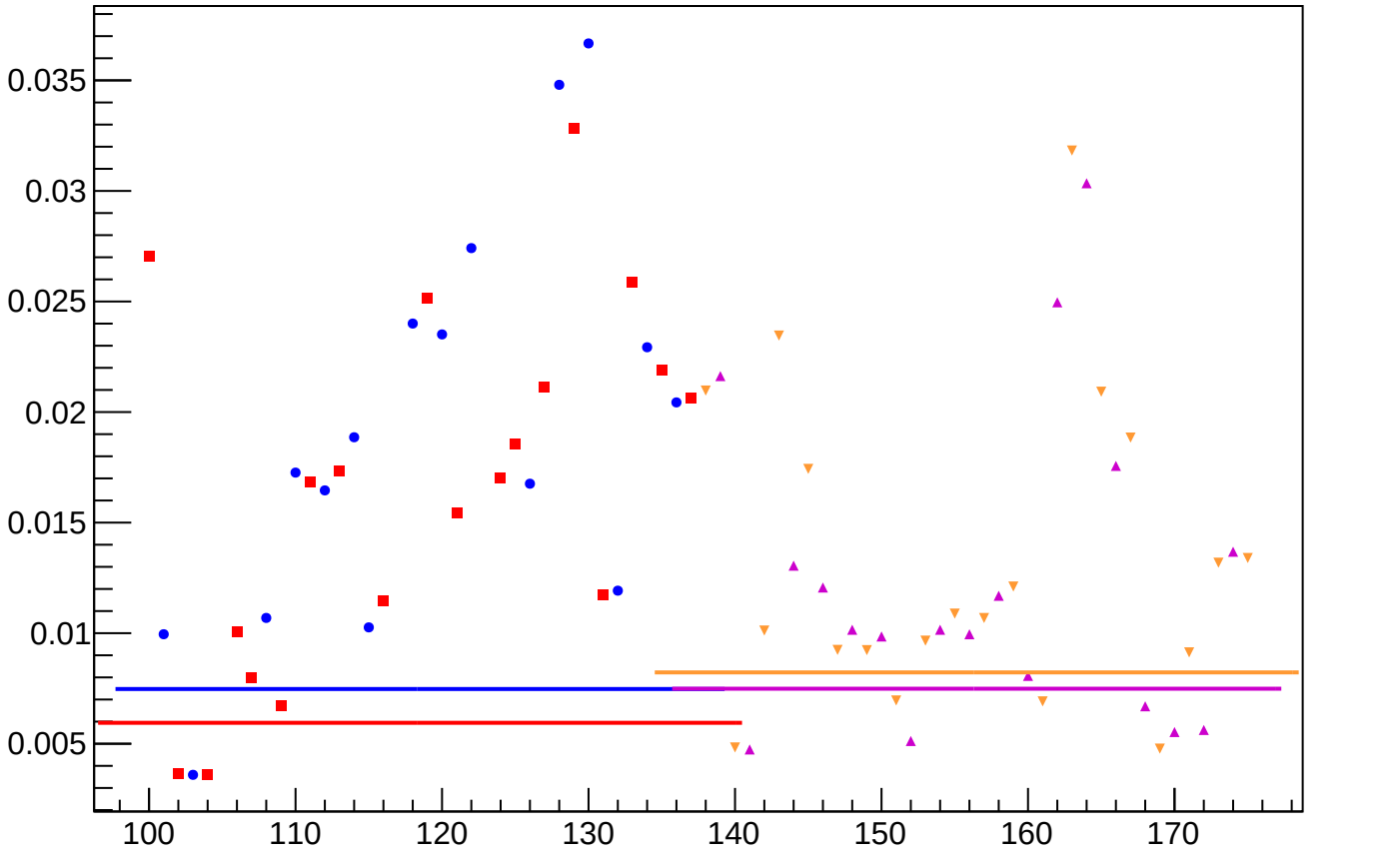
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 260.935+/-0.042 χ^2/NDF:3285691.6/33

Out: 256.906+/-0.041 χ^2/NDF:5280189.6/38

All: 258.894+/-0.029 χ^2/NDF: 8570651.5/72


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
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:38.6/19
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:18.2/17
Left: -0.000+/-0.000 χ²/NDF: 60.0/37
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: 0.000+/-0.000 χ²/NDF:35.7/33
Out: -0.000+/-0.000 χ²/NDF:60.3/38
All: -0.000+/-0.000 χ²/NDF: 98.3/72



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6195256.3/19

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:5281698.8/17

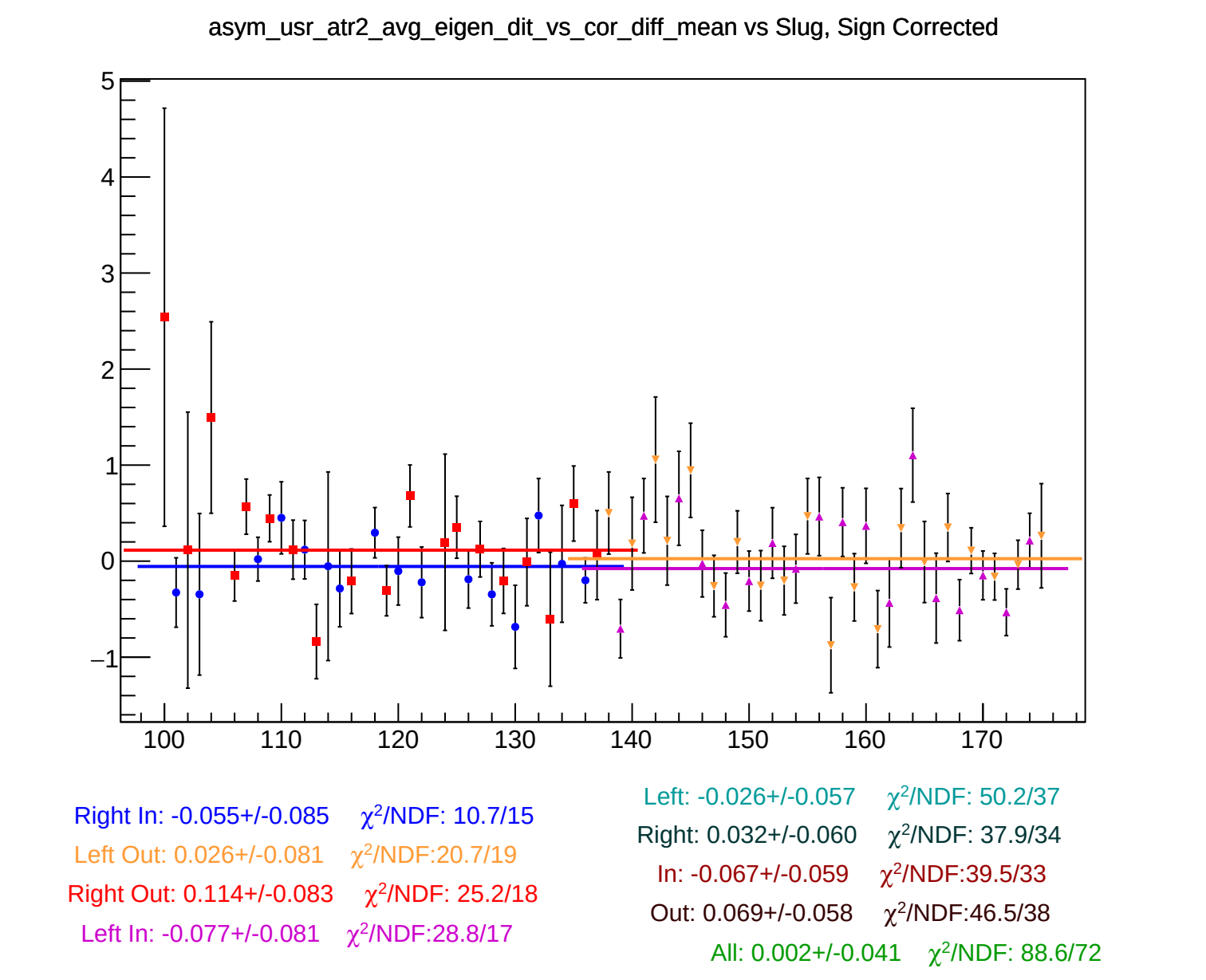
Left: 0.008+/-0.000 χ^2/NDF: 11577919.2/37

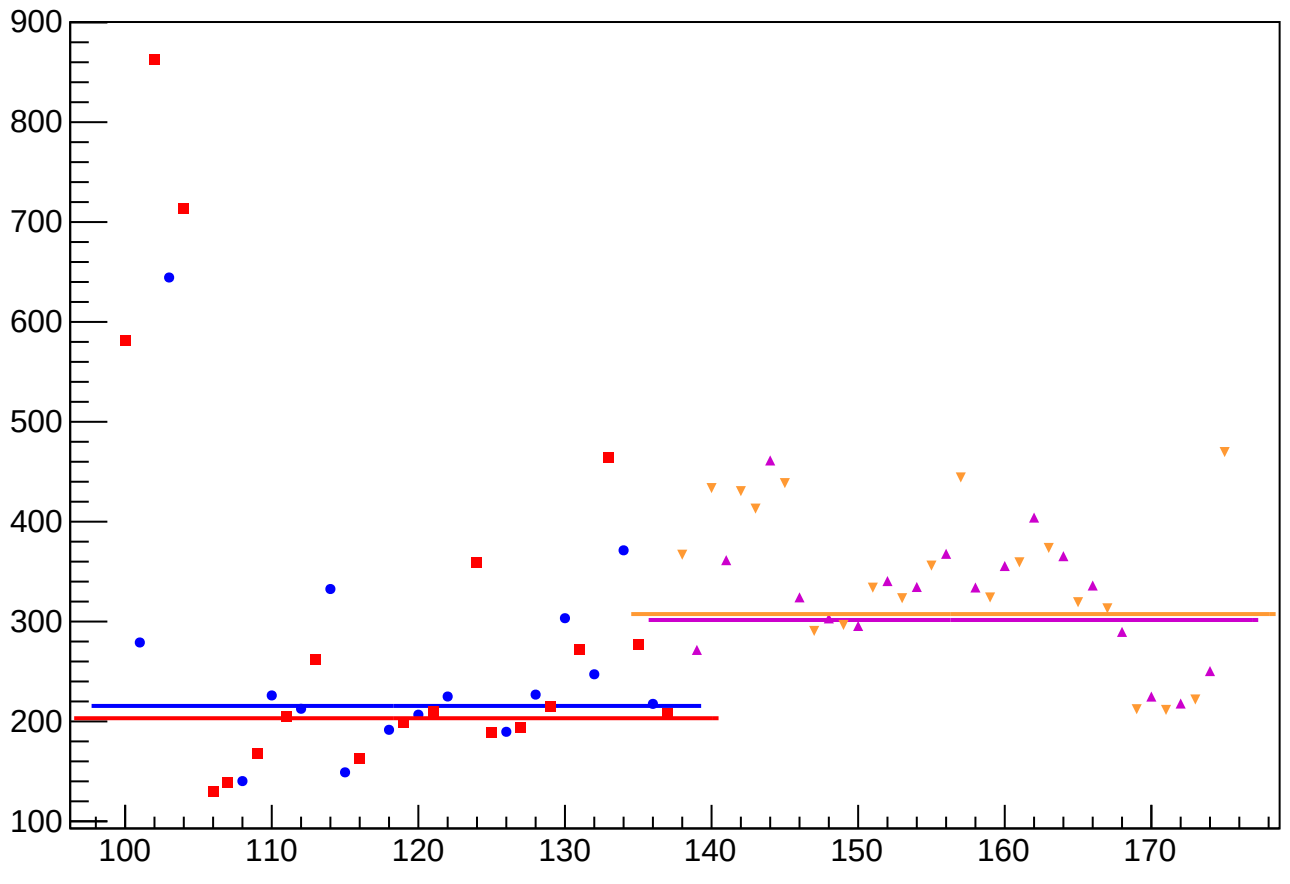
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:11357916.2/33

Out: 0.007+/-0.000 χ^2/NDF:12868418.1/38

All: 0.007+/-0.000 χ^2/NDF: 24235174.0/72


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.026+/-0.081 χ²/NDF:20.7/19
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.077+/-0.081 χ²/NDF:28.8/17
Left: -0.026+/-0.057 χ²/NDF: 50.2/37
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.067+/-0.059 χ²/NDF:39.5/33
Out: 0.069+/-0.058 χ²/NDF:46.5/38
All: 0.002+/-0.041 χ²/NDF: 88.6/72



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

Left: 304.533+/-0.040 χ^2/NDF: 2899910.8/37

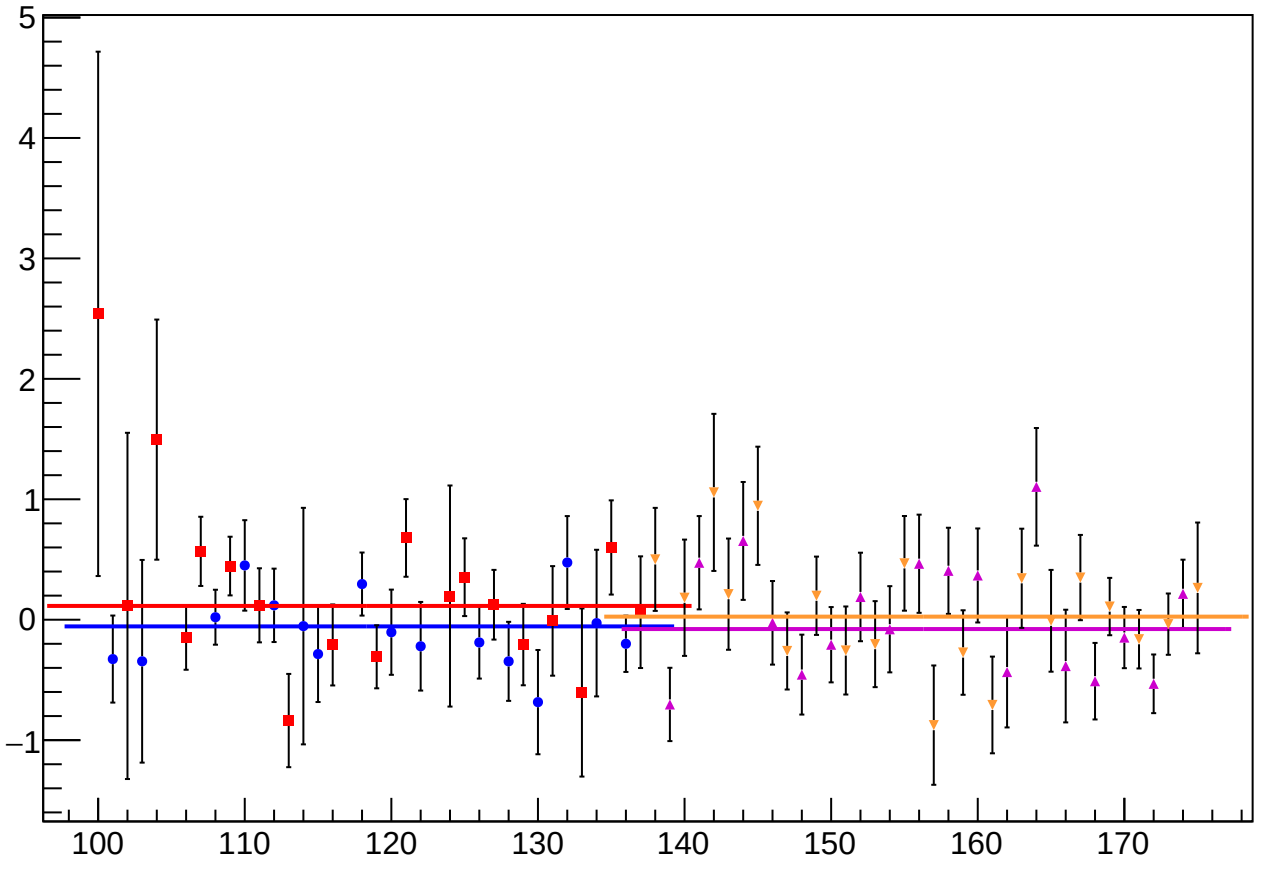
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 260.936+/-0.042 χ^2/NDF:3285832.2/33

Out: 256.905+/-0.041 χ^2/NDF:5280394.9/38

All: 258.894+/-0.029 χ^2/NDF: 8570999.1/72

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.026+/-0.081 χ^2/NDF:20.7/19

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.077+/-0.081 χ^2/NDF:28.8/17

Left: -0.026+/-0.057 χ^2/NDF: 50.2/37

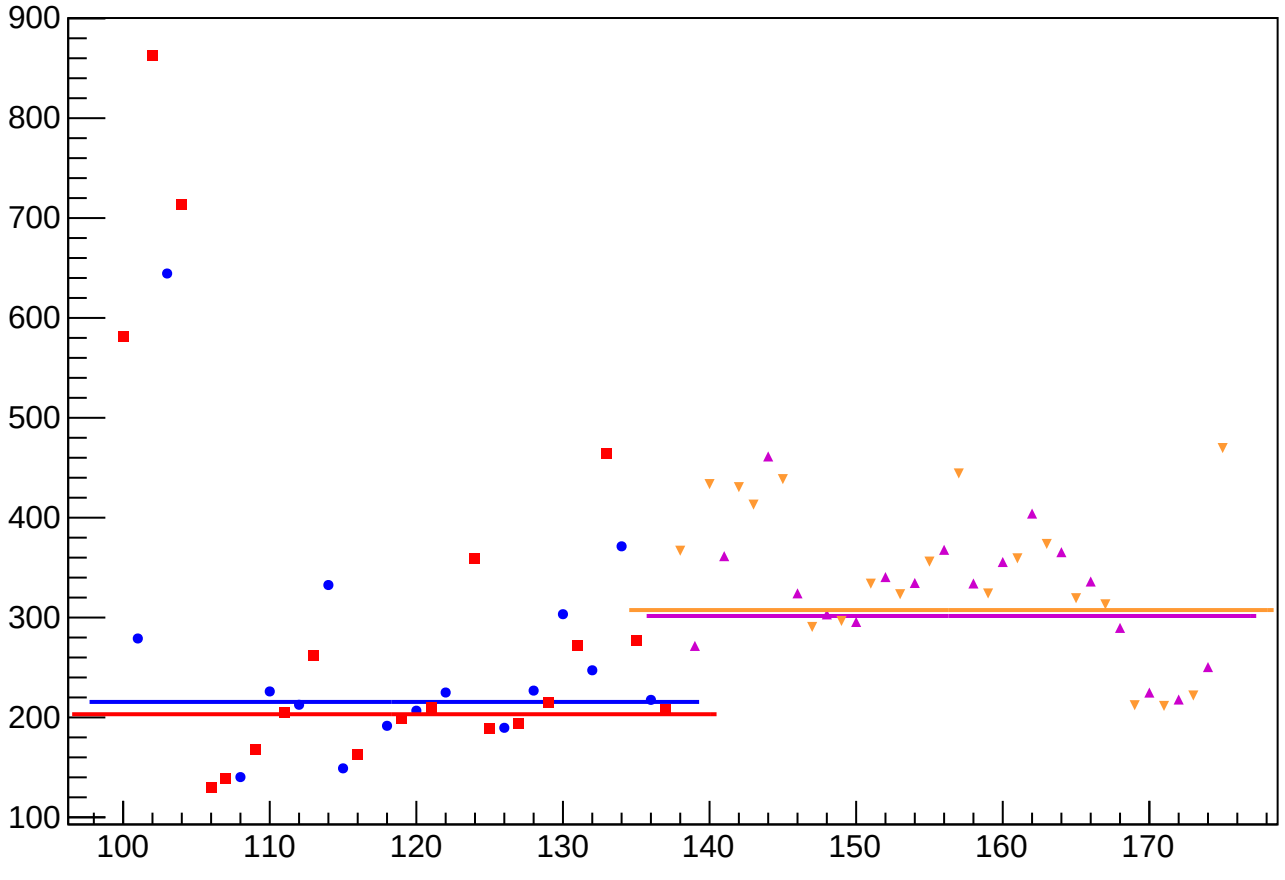
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.067+/-0.059 χ^2/NDF:39.5/33

Out: 0.069+/-0.058 χ^2/NDF:46.5/38

All: 0.002+/-0.041 χ^2/NDF: 88.6/72

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

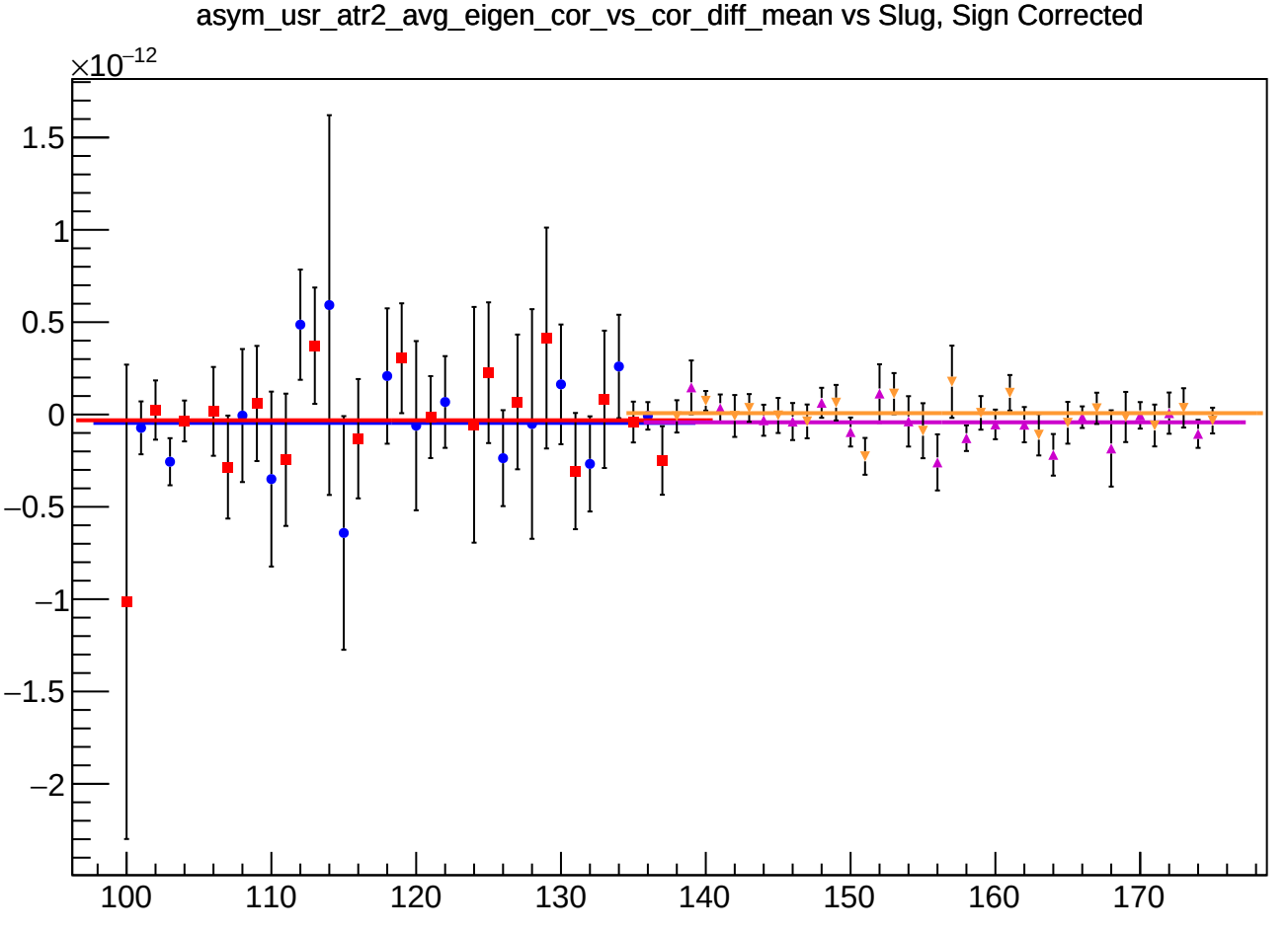
Left: 304.533+/-0.040 χ^2/NDF: 2899910.8/37

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 260.936+/-0.042 χ^2/NDF:3285832.2/33

Out: 256.905+/-0.041 χ^2/NDF:5280394.9/38

All: 258.894+/-0.029 χ^2/NDF: 8570999.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/17

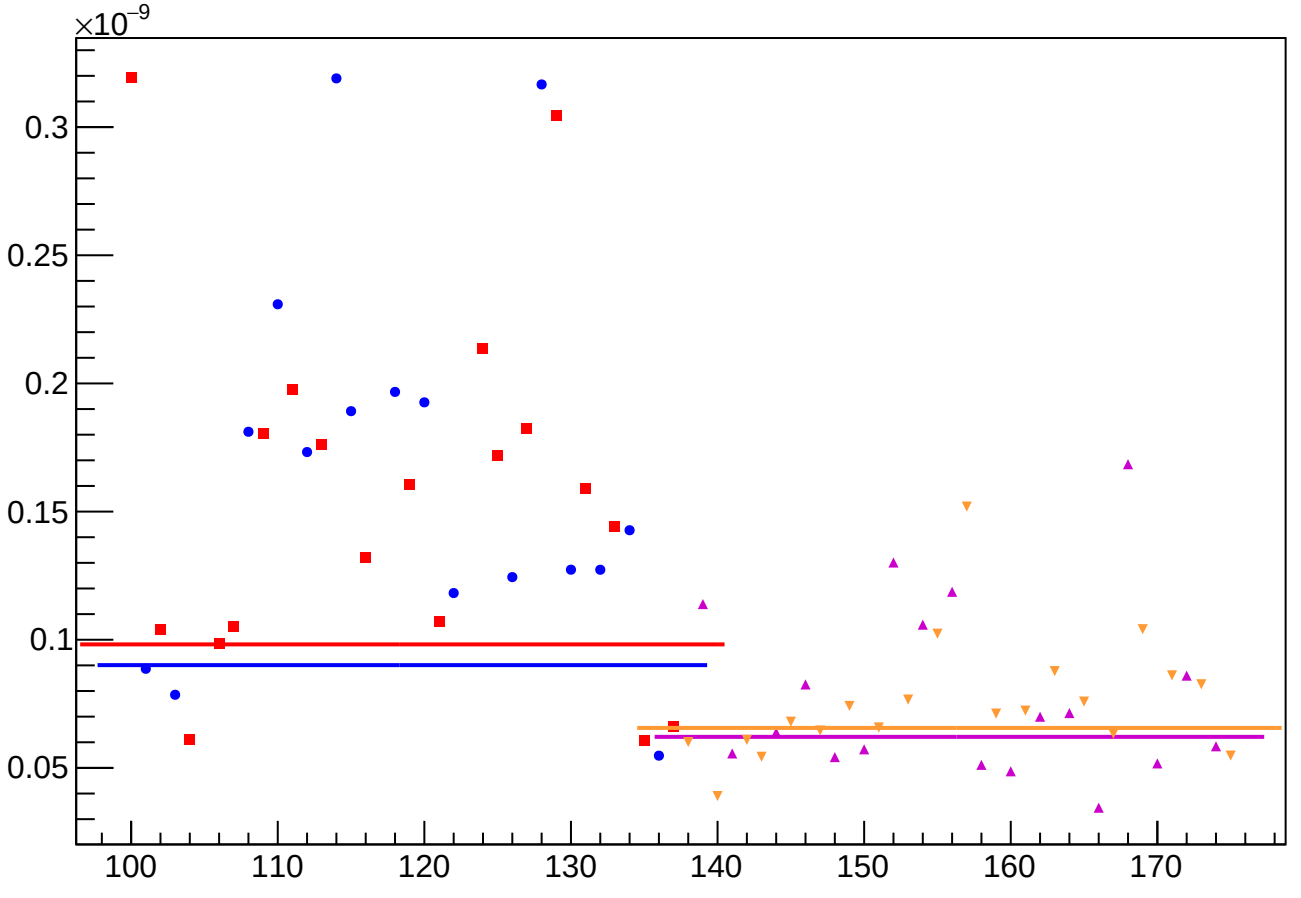
Left: -0.000+/-0.000 χ^2/NDF: 29.9/37

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:25.2/33

Out: 0.000+/-0.000 χ^2/NDF:22.3/38

All: -0.000+/-0.000 χ^2/NDF: 50.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1545323.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2478026.1/17

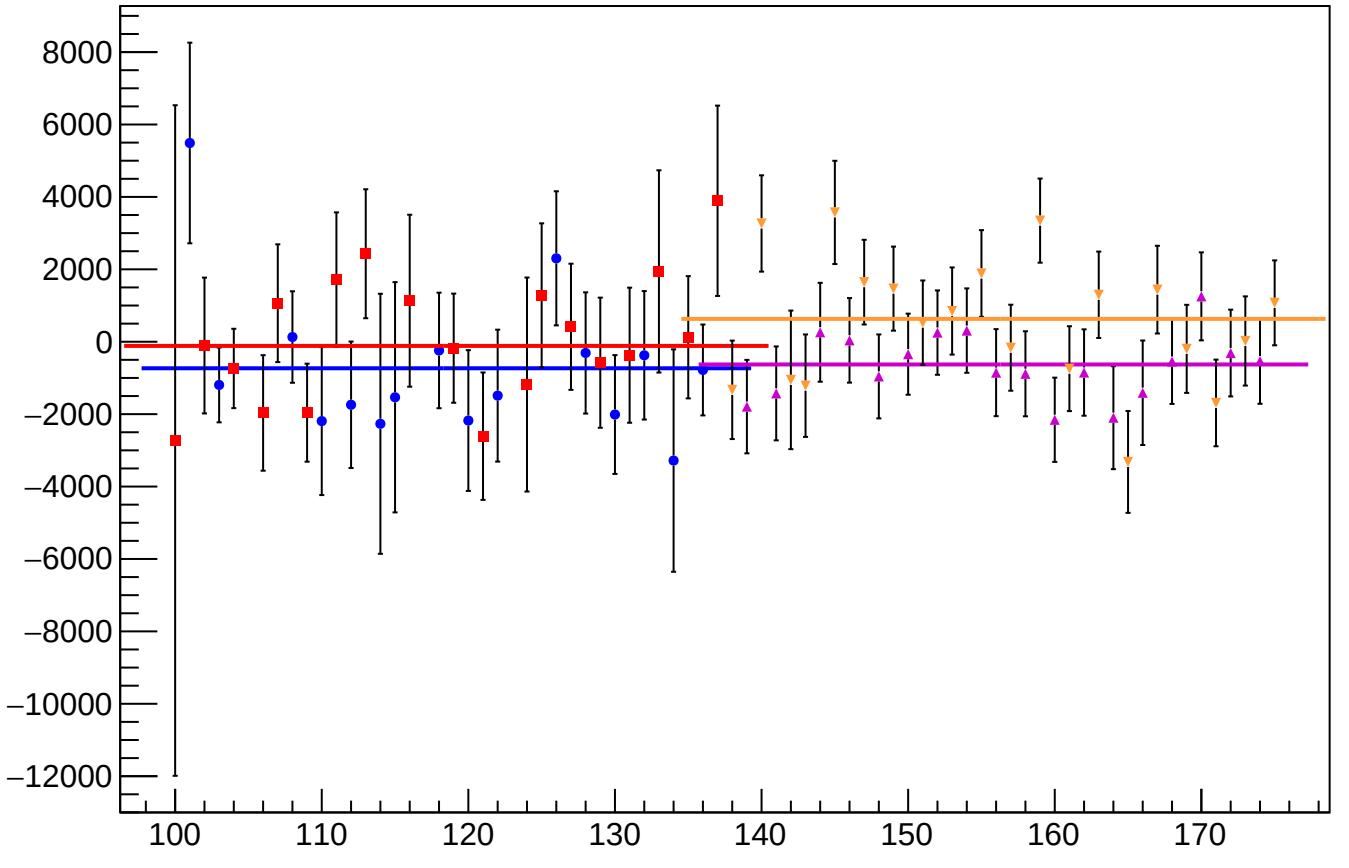
Left: 0.000+/-0.000 χ^2/NDF: 4050760.9/37

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4817744.5/33

Out: 0.000+/-0.000 χ^2/NDF:3914254.1/38

All: 0.000+/-0.000 χ^2/NDF: 8769366.9/72



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 631.998+/-279.552 χ^2/NDF:35.7/19

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -627.801+/-287.088 χ^2/NDF:9.0/17

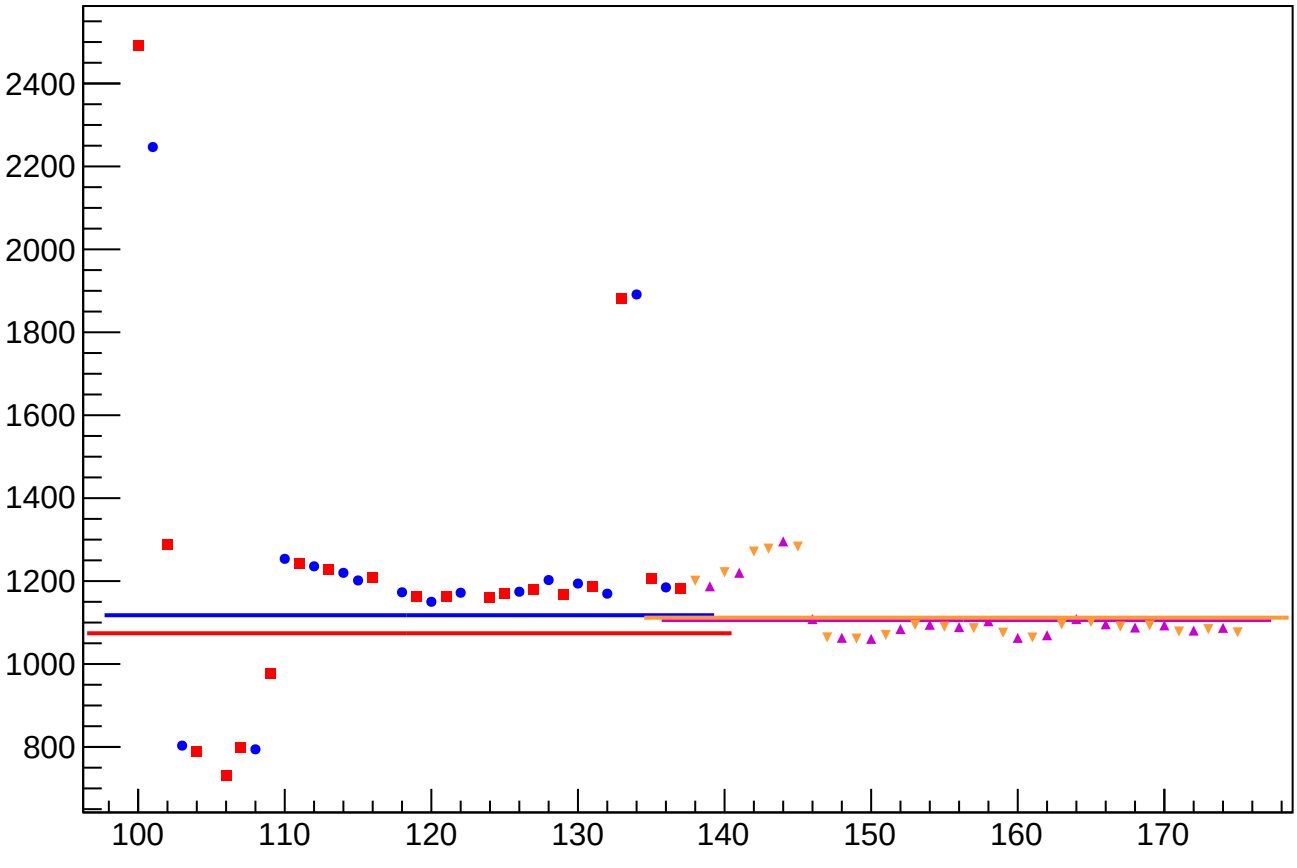
Left: 18.849+/-200.284 χ^2/NDF: 54.5/37

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -660.432+/-238.313 χ^2/NDF:20.7/33

Out: 396.050+/-231.228 χ^2/NDF:51.1/38

All: -116.253+/-165.951 χ^2/NDF: 81.9/72



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.9/19

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

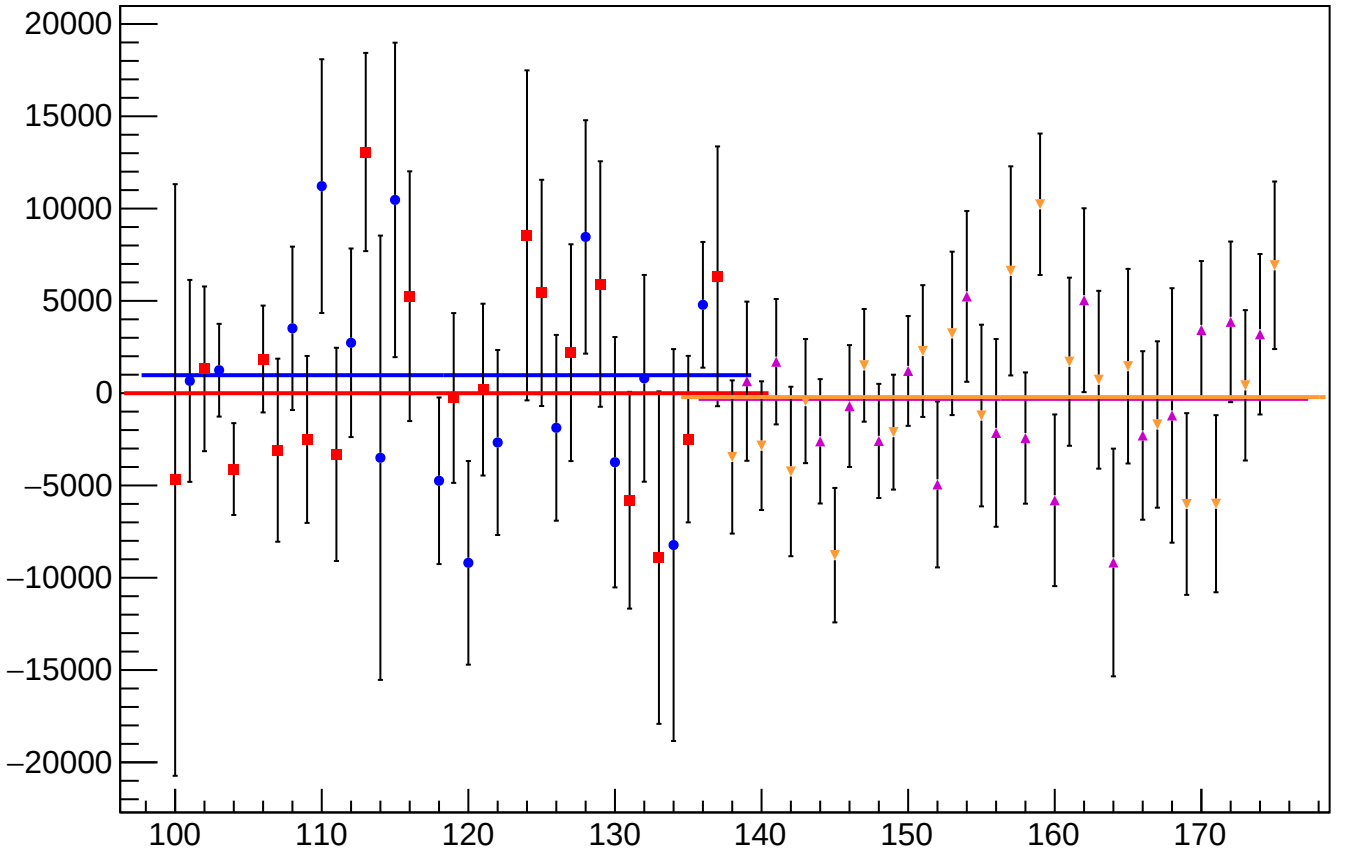
Left: 1108.994+/-0.142 χ^2/NDF: 192035.4/37

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1109.678+/-0.169 χ^2/NDF:896965.8/33

Out: 1099.752+/-0.163 χ^2/NDF:776597.7/38

All: 1104.552+/-0.117 χ^2/NDF: 1675355.5/72



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.998 χ^2/NDF:24.0/19

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -309.688+/-948.601 χ^2/NDF:12.1/17

Left: -260.072+/-657.439 χ^2/NDF: 36.0/37

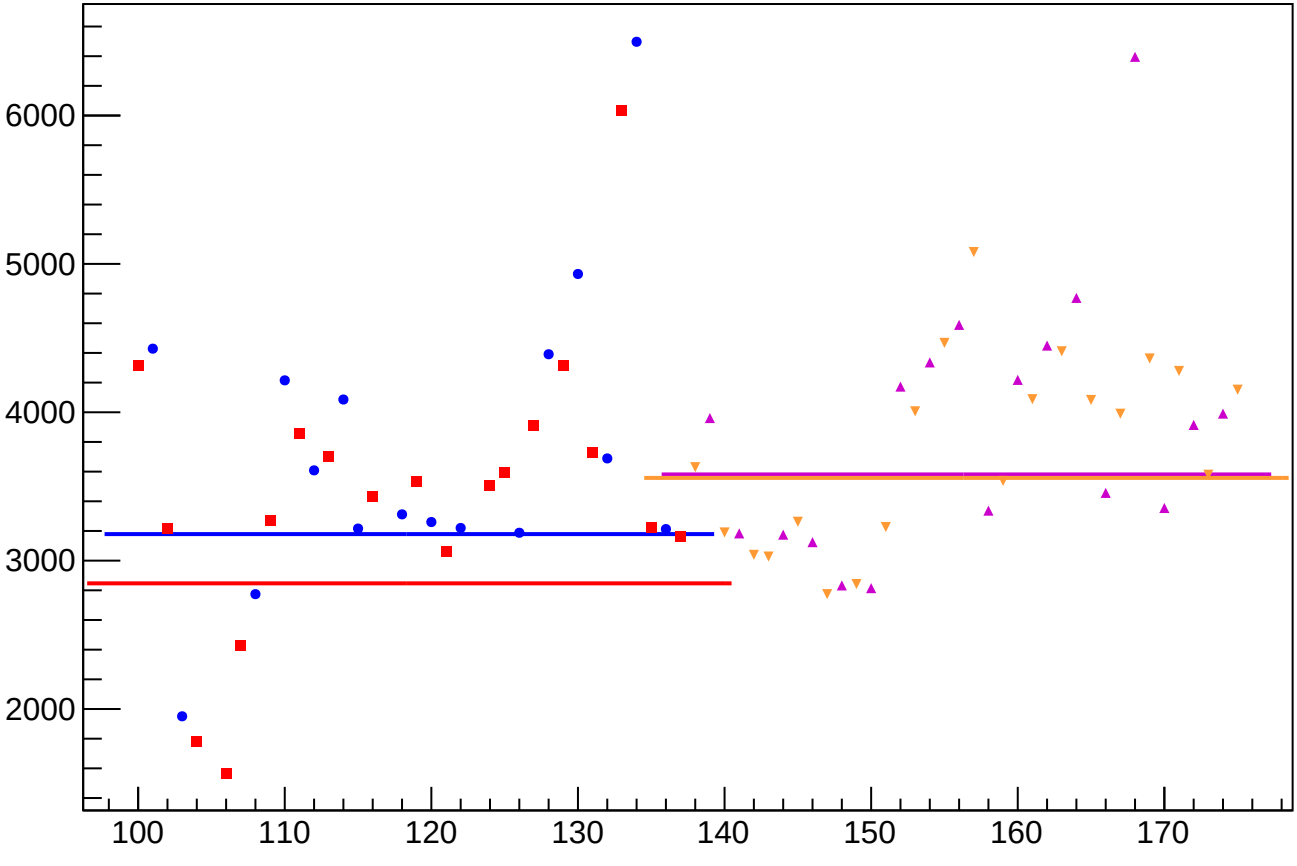
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 167.636+/-751.787 χ^2/NDF:26.5/33

Out: -129.402+/-705.652 χ^2/NDF:40.5/38

All: 9.724+/-514.509 χ^2/NDF: 67.2/72

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3557.607+/-0.645 χ^2/NDF:860495.0/19

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3581.026+/-0.671 χ^2/NDF:1080547.4/17

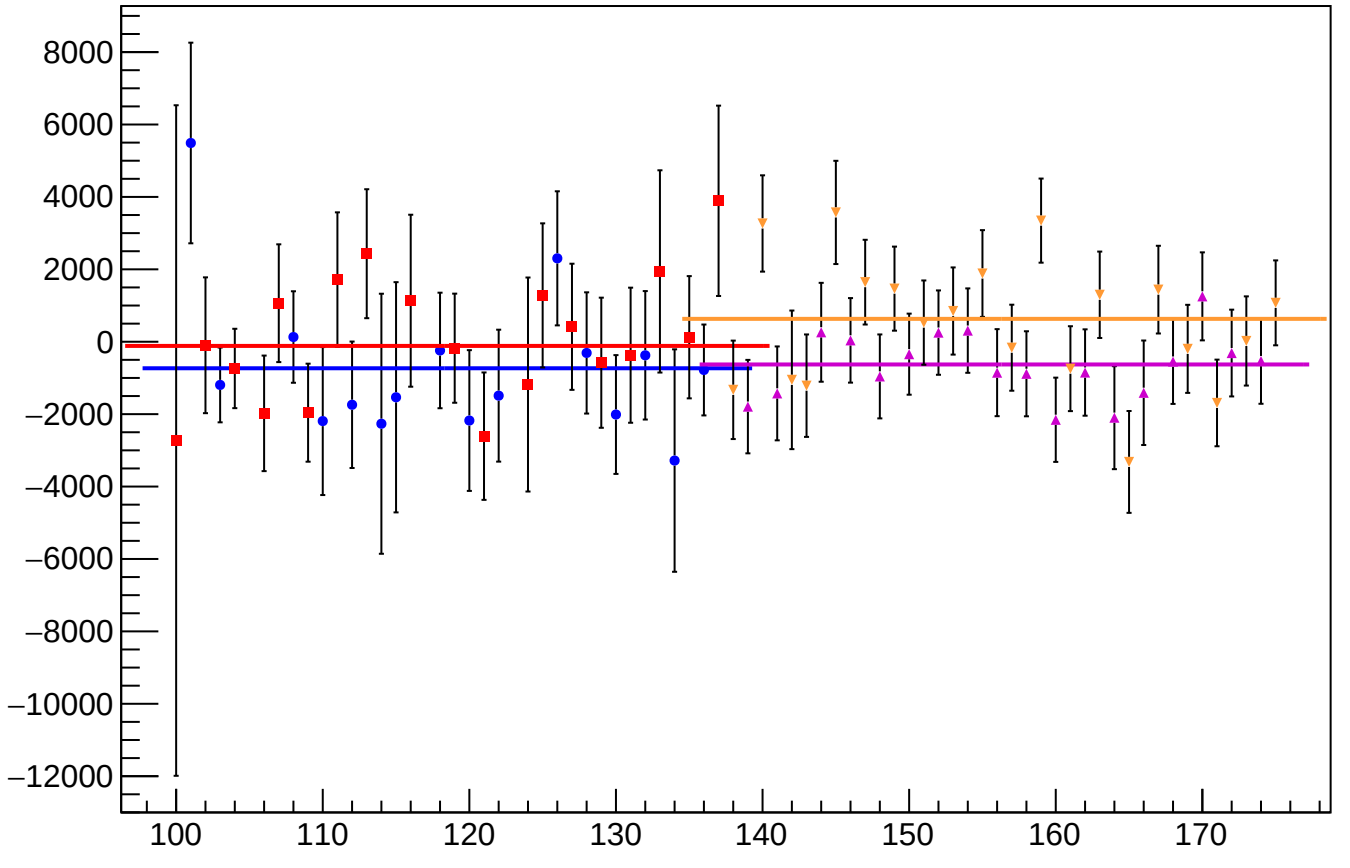
Left: 3568.856+/-0.465 χ^2/NDF: 1941675.8/37

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3431.460+/-0.532 χ^2/NDF:2305910.9/33

Out: 3272.432+/-0.499 χ^2/NDF:2858930.9/38

All: 3346.917+/-0.364 χ^2/NDF: 5212418.0/72



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -627.745+/-287.088 χ^2/NDF:9.0/17

Left: 18.911+/-200.284 χ^2/NDF: 54.5/37

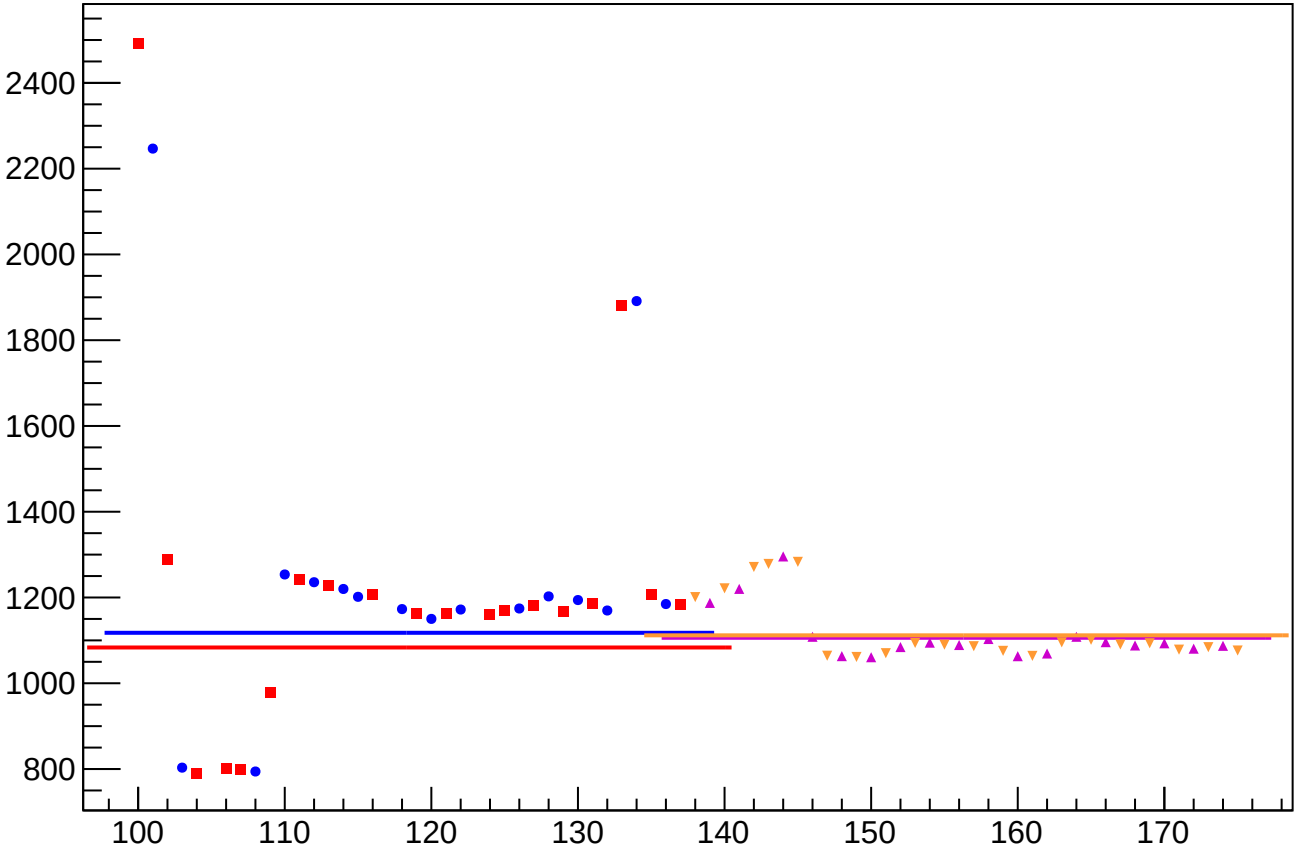
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -660.373+/-238.313 χ^2/NDF:20.7/33

Out: 396.015+/-231.229 χ^2/NDF:51.1/38

All: -116.245+/-165.951 χ^2/NDF: 81.9/72

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

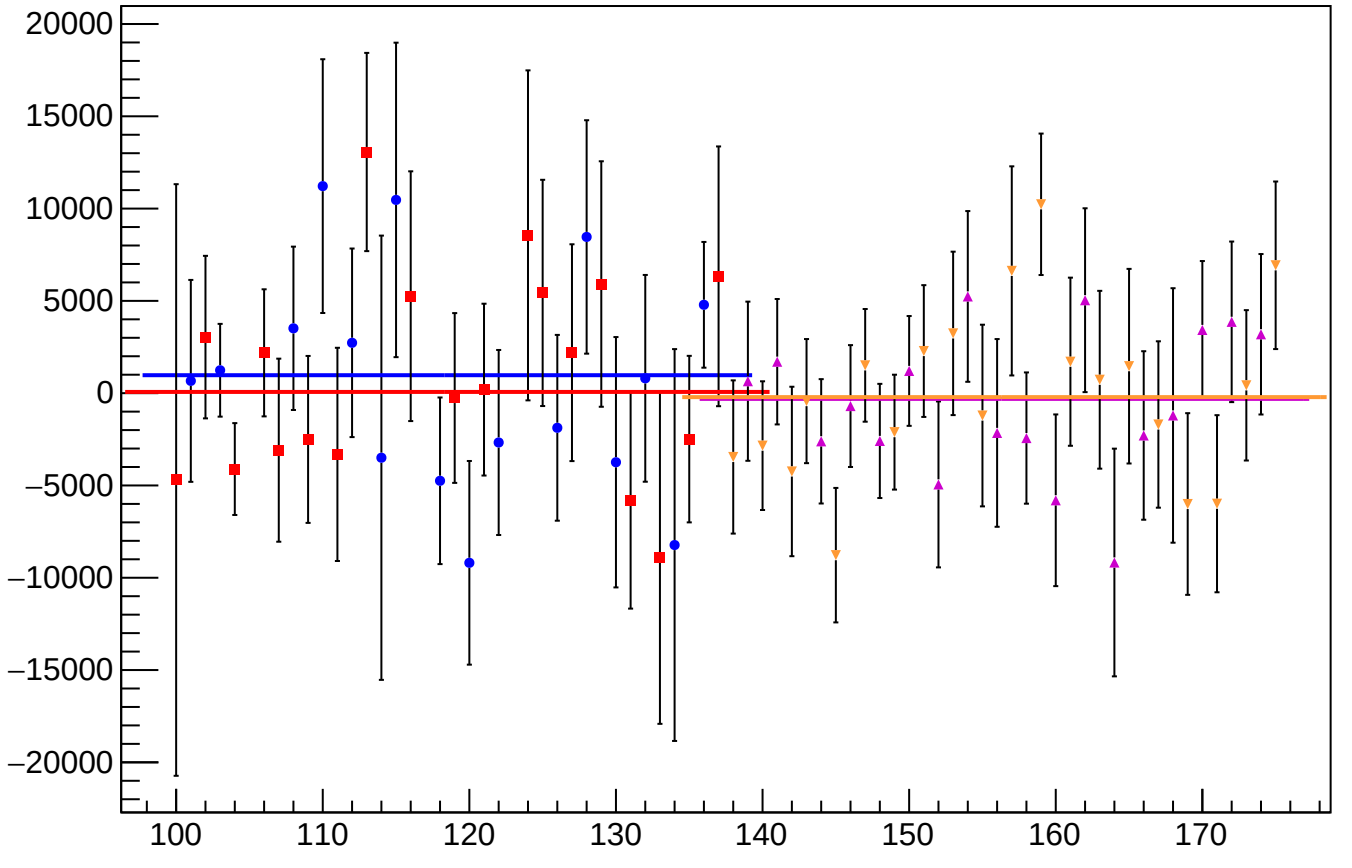
Left: 1108.994+/-0.142 χ^2/NDF: 192035.4/37

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1109.679+/-0.169 χ^2/NDF:896962.4/33

Out: 1102.793+/-0.163 χ^2/NDF:717047.5/38

All: 1106.130+/-0.117 χ^2/NDF: 1614870.6/72



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -309.678+/-948.601 χ^2/NDF:12.1/17

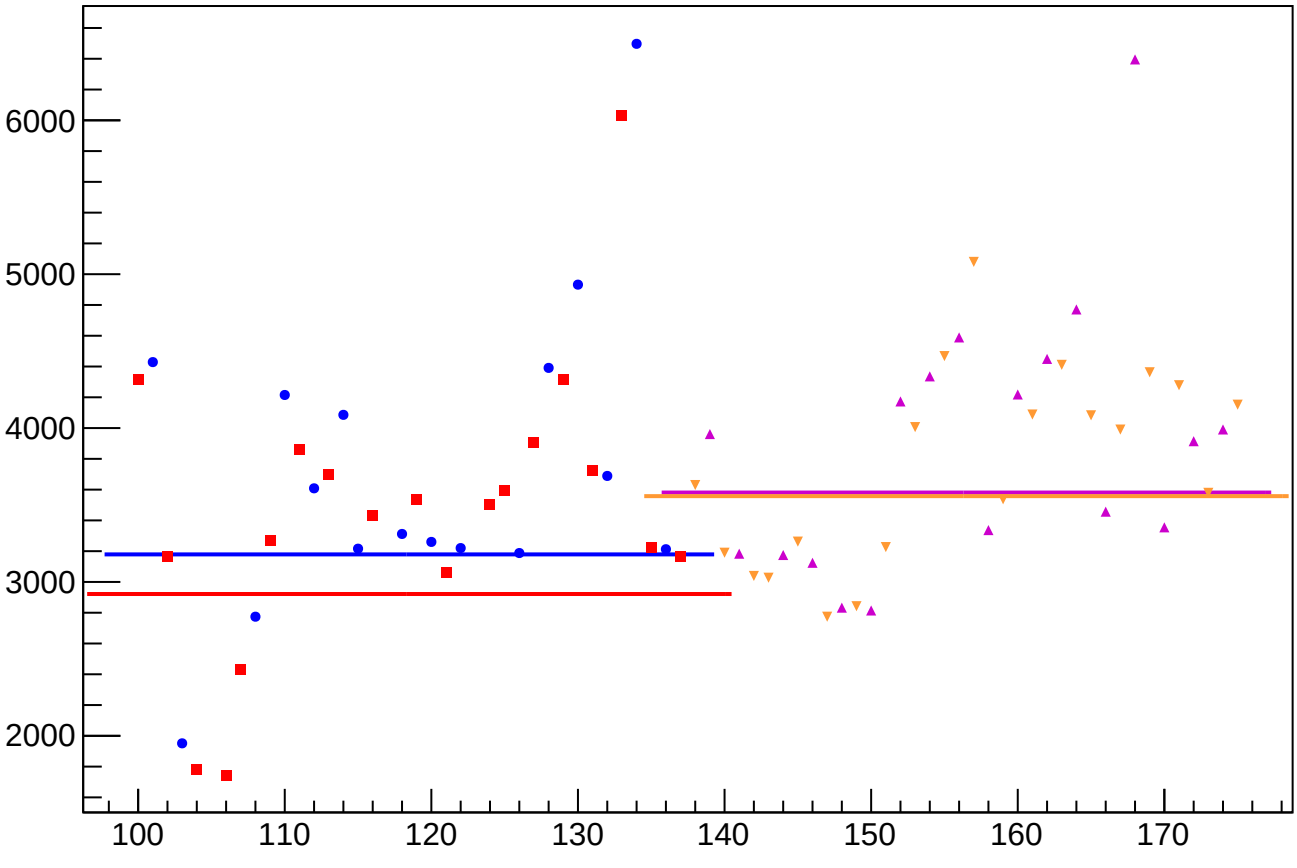
Left: -260.068+/-657.439 χ^2/NDF: 36.0/37

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 167.433+/-751.798 χ^2/NDF:26.5/33

Out: -104.179+/-711.636 χ^2/NDF:40.9/38

All: 24.178+/-516.818 χ^2/NDF: 67.6/72



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3557.603+/-0.645 χ^2/NDF:860498.5/19

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3581.024+/-0.671 χ^2/NDF:1080553.0/17

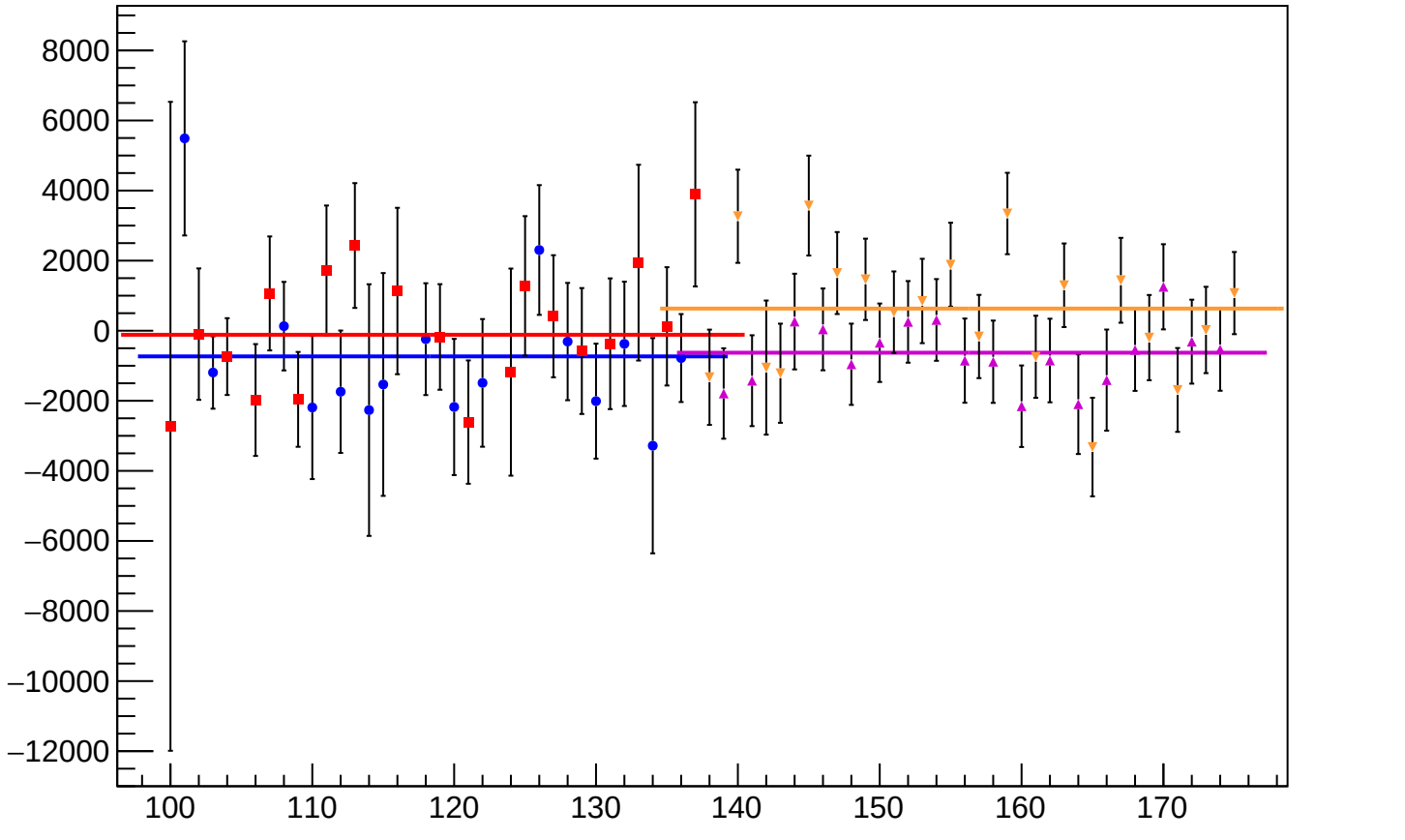
Left: 3568.853+/-0.465 χ^2/NDF: 1941685.1/37

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3431.535+/-0.532 χ^2/NDF:2305345.8/33

Out: 3308.864+/-0.503 χ^2/NDF:2553771.1/38

All: 3366.835+/-0.365 χ^2/NDF: 4887201.8/72



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -627.745+/-287.088 χ^2/NDF:9.0/17

Left: 18.911+/-200.284 χ^2/NDF: 54.5/37

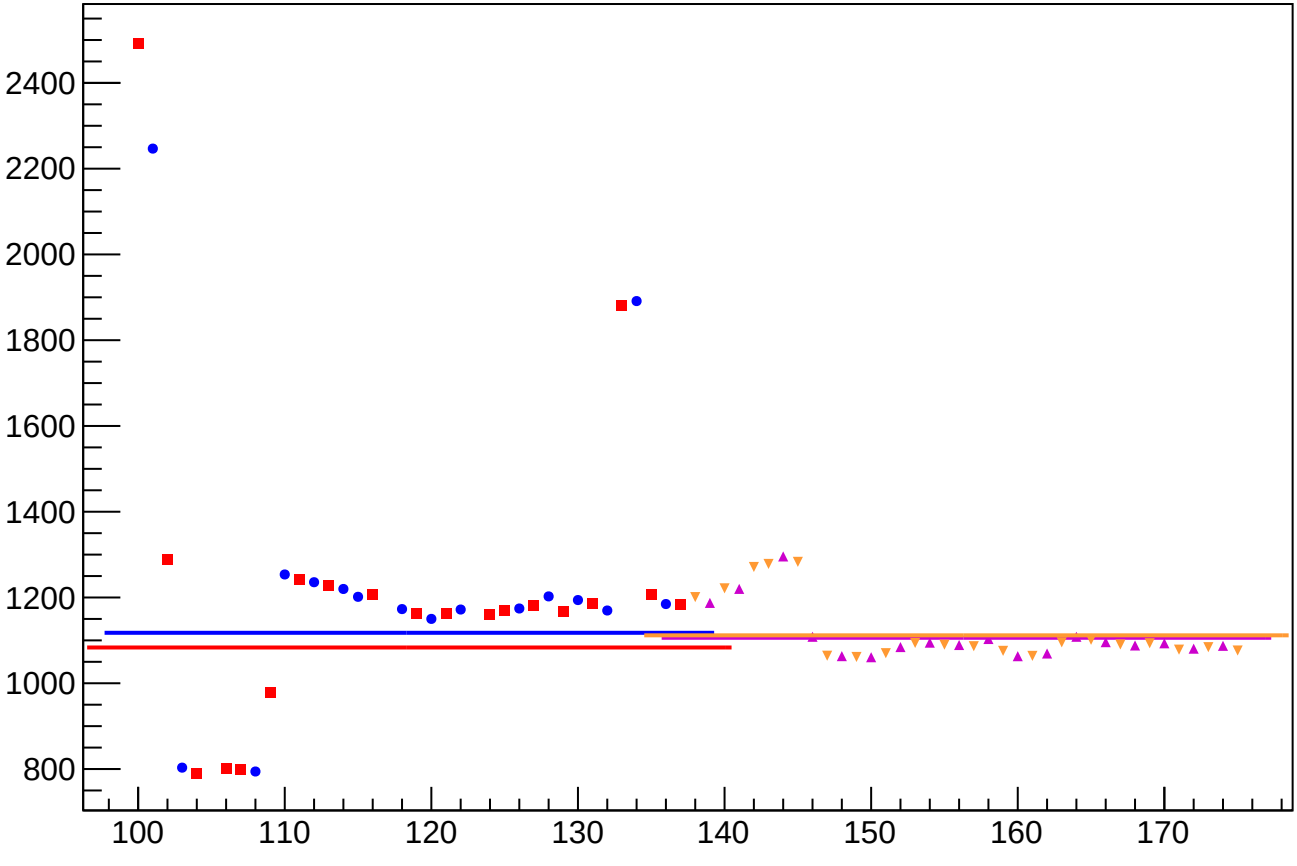
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -660.373+/-238.313 χ^2/NDF:20.7/33

Out: 396.015+/-231.229 χ^2/NDF:51.1/38

All: -116.245+/-165.951 χ^2/NDF: 81.9/72

eigen_cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

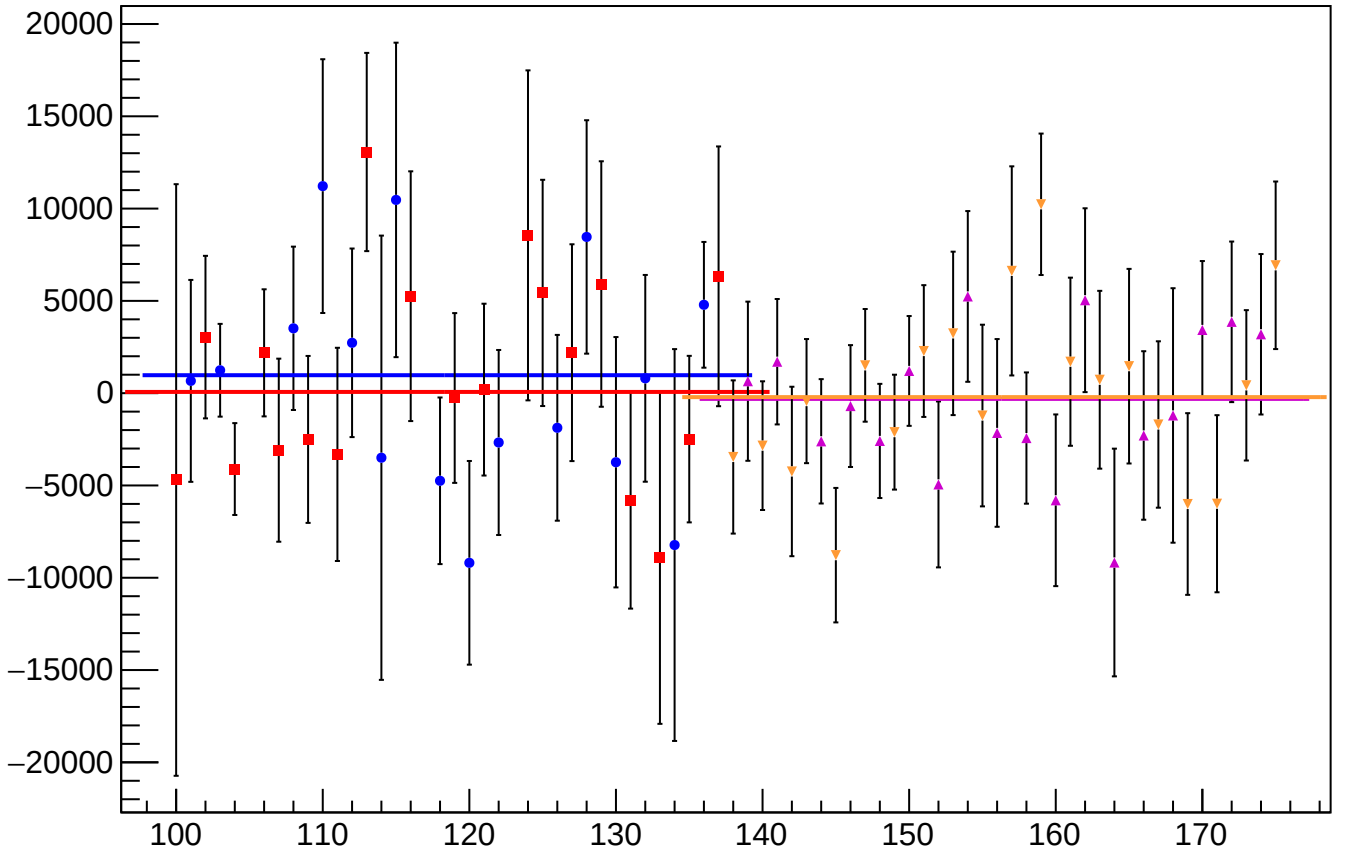
Left: 1108.994+/-0.142 χ^2/NDF: 192035.4/37

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1109.679+/-0.169 χ^2/NDF:896962.4/33

Out: 1102.793+/-0.163 χ^2/NDF:717047.5/38

All: 1106.130+/-0.117 χ^2/NDF: 1614870.6/72



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -309.678+/-948.601 χ^2/NDF:12.1/17

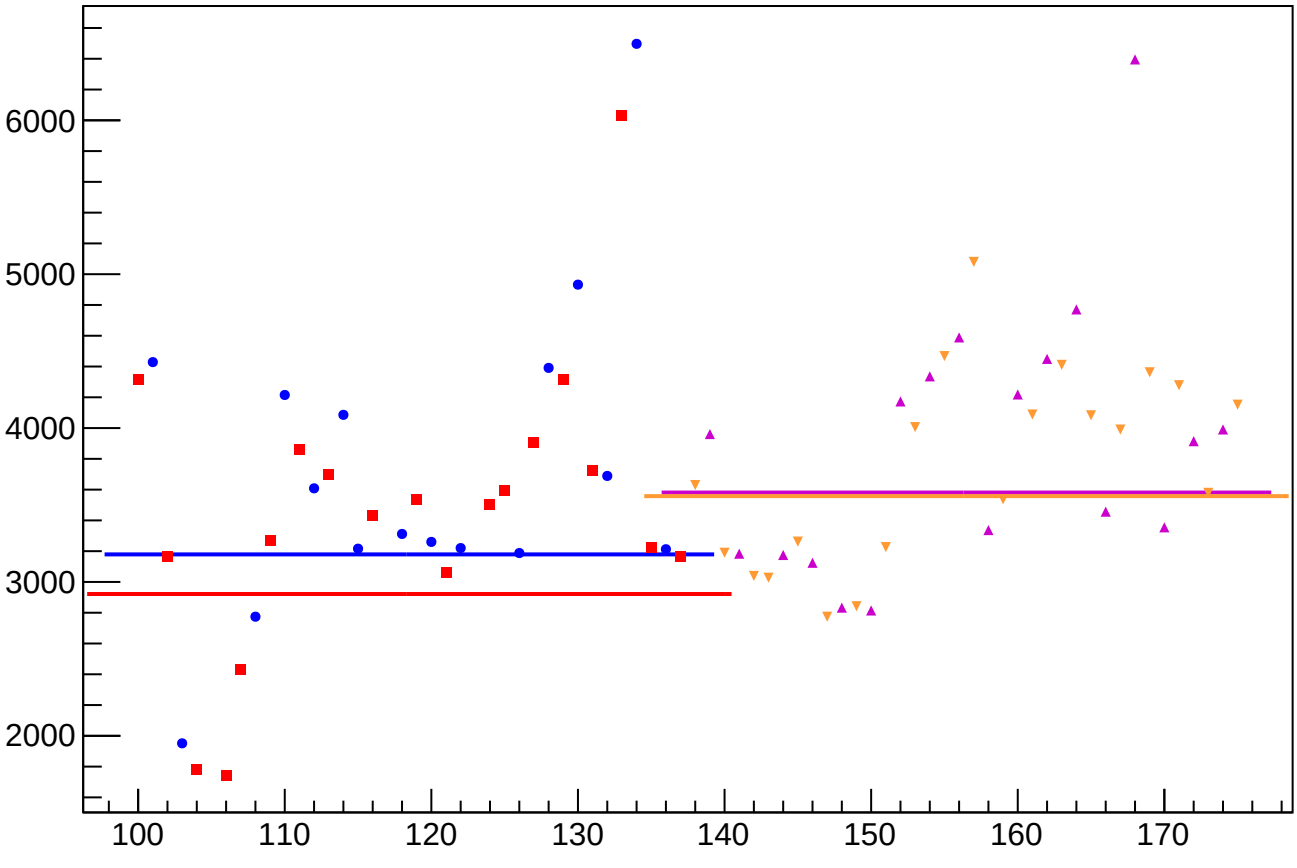
Left: -260.068+/-657.439 χ^2/NDF: 36.0/37

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 167.433+/-751.798 χ^2/NDF:26.5/33

Out: -104.179+/-711.636 χ^2/NDF:40.9/38

All: 24.178+/-516.818 χ^2/NDF: 67.6/72



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3557.603+/-0.645 χ^2/NDF:860498.5/19

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3581.024+/-0.671 χ^2/NDF:1080553.0/17

Left: 3568.853+/-0.465 χ^2/NDF: 1941685.1/37

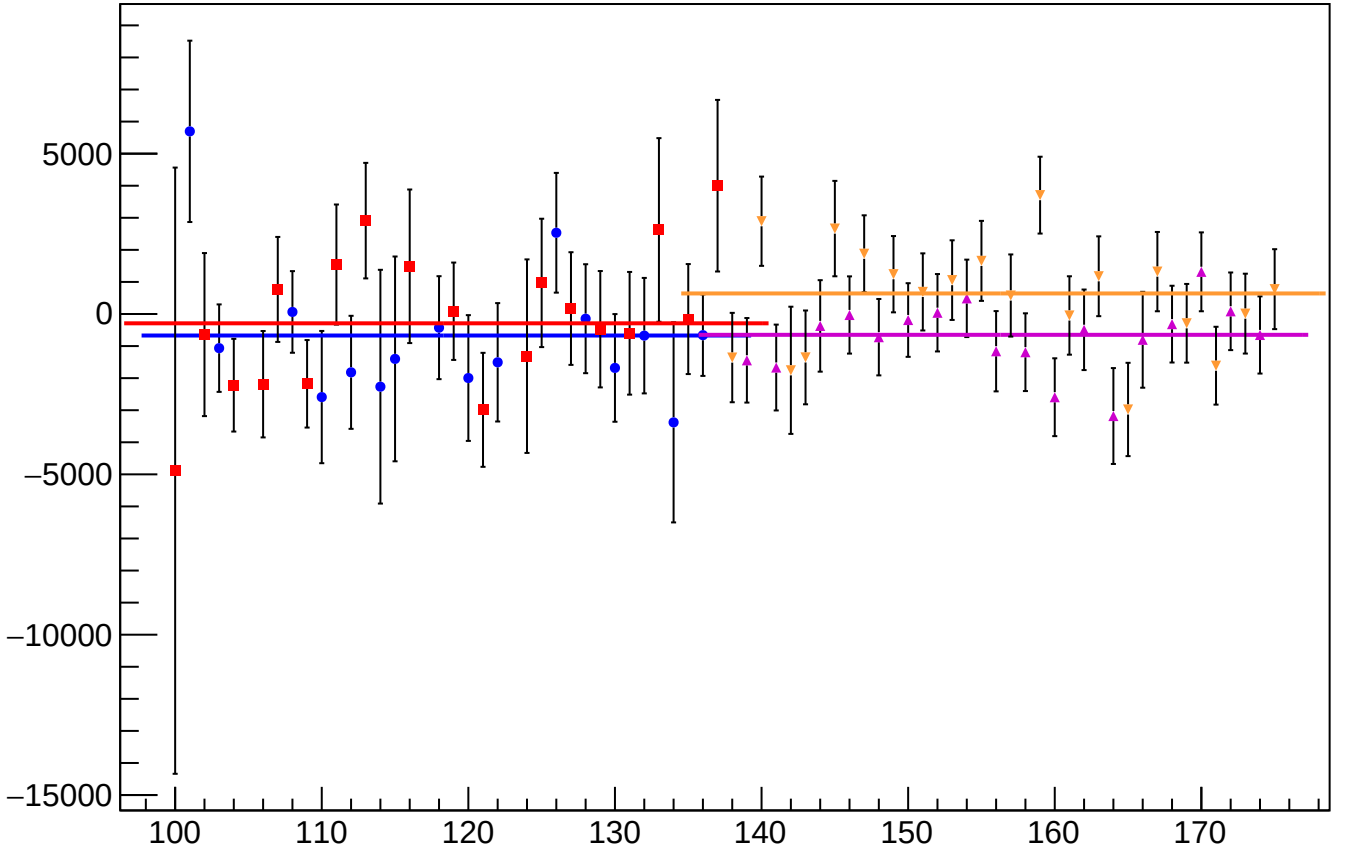
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3431.535+/-0.532 χ^2/NDF:2305345.8/33

Out: 3308.864+/-0.503 χ^2/NDF:2553771.1/38

All: 3366.835+/-0.365 χ^2/NDF: 4887201.8/72

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.887+/-289.035 χ^2/NDF:29.8/19

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.323+/-296.044 χ^2/NDF:11.5/17

Left: 11.236+/-206.812 χ^2/NDF: 50.9/37

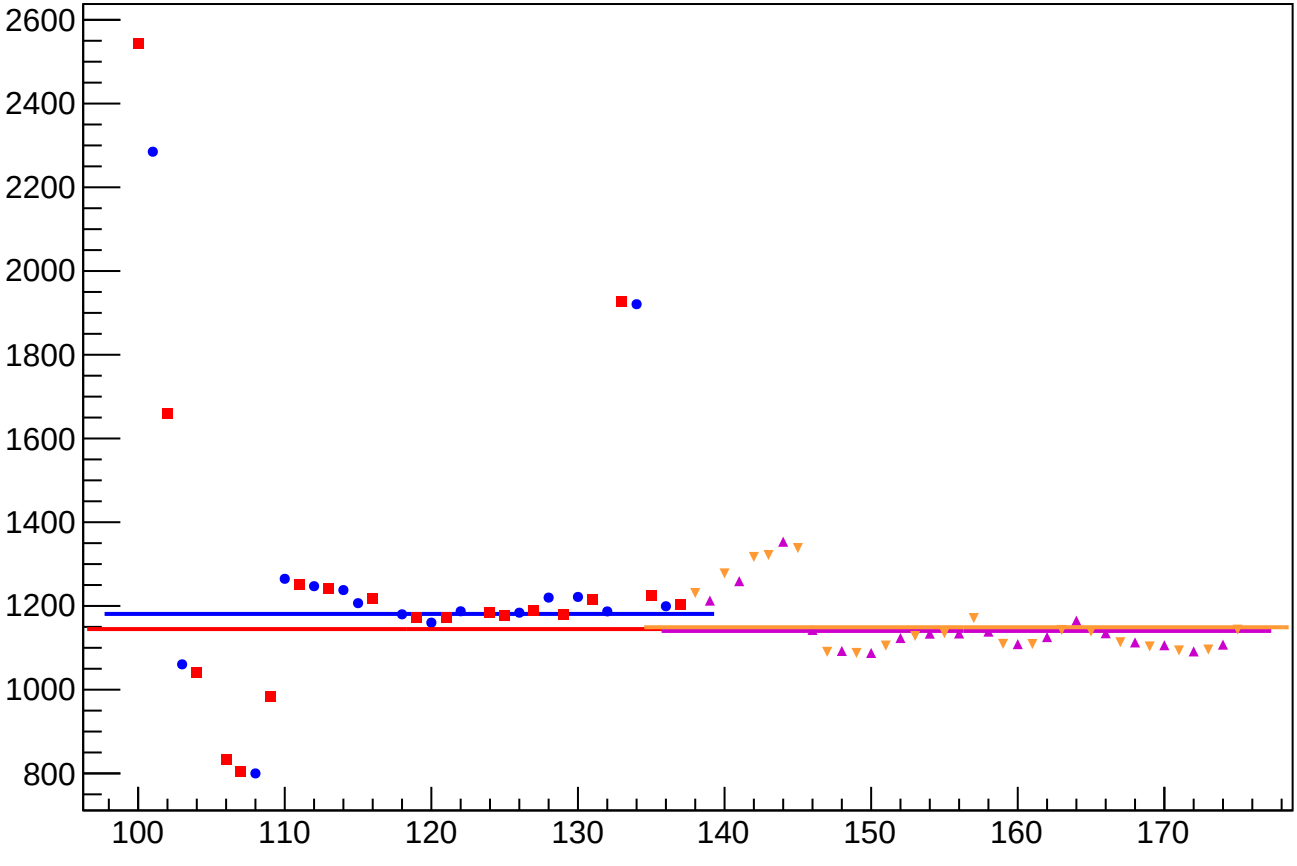
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -655.846+/-247.073 χ^2/NDF:23.3/33

Out: 355.161+/-240.640 χ^2/NDF:49.9/38

All: -137.011+/-172.388 χ^2/NDF: 81.8/72

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1149.118+/-0.204 χ^2/NDF:129498.4/19

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1140.339+/-0.209 χ^2/NDF:83889.2/17

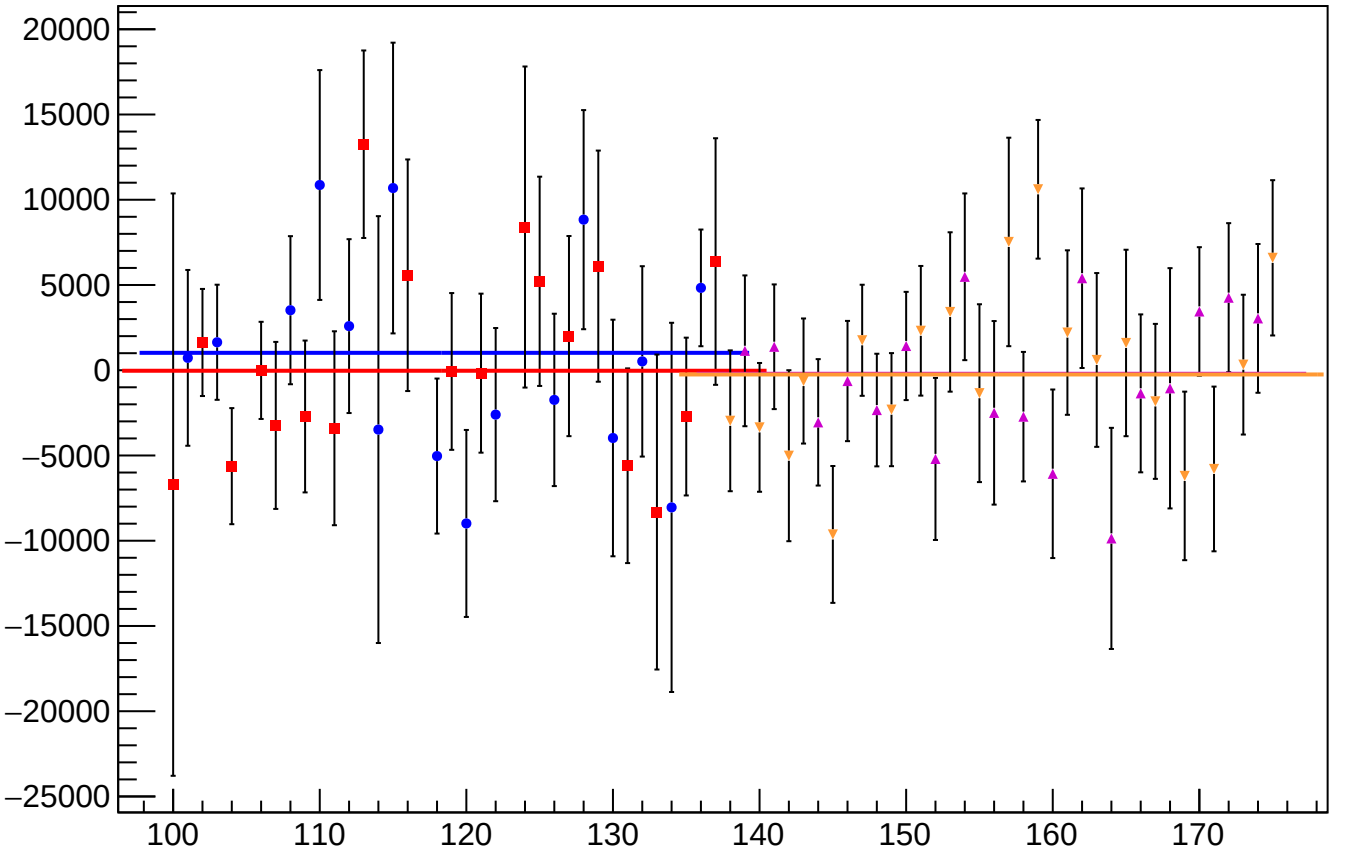
Left: 1144.834+/-0.146 χ^2/NDF: 214288.1/37

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1152.665+/-0.175 χ^2/NDF:717192.5/33

Out: 1147.785+/-0.170 χ^2/NDF:627367.6/38

All: 1150.160+/-0.122 χ^2/NDF: 1344960.6/72



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.631 χ^2/NDF:23.7/19

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -208.414+/-998.732 χ^2/NDF:12.0/17

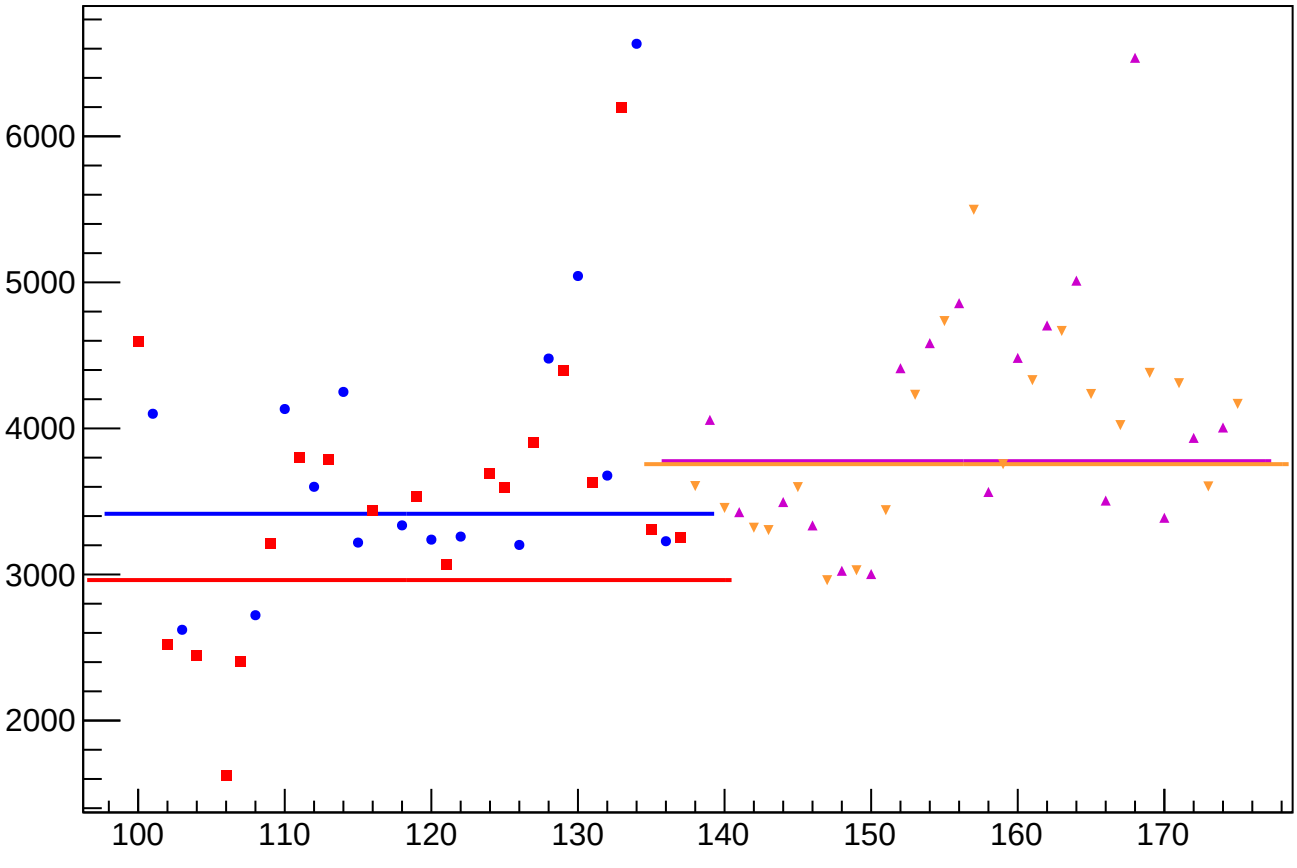
Left: -229.033+/-692.346 χ^2/NDF: 35.7/37

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 246.834+/-792.541 χ^2/NDF:26.4/33

Out: -156.735+/-732.102 χ^2/NDF:39.8/38

All: 29.077+/-537.773 χ^2/NDF: 66.4/72



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3755.430+/-0.679 χ^2/NDF:738089.0/19

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3775.826+/-0.706 χ^2/NDF:987220.5/17

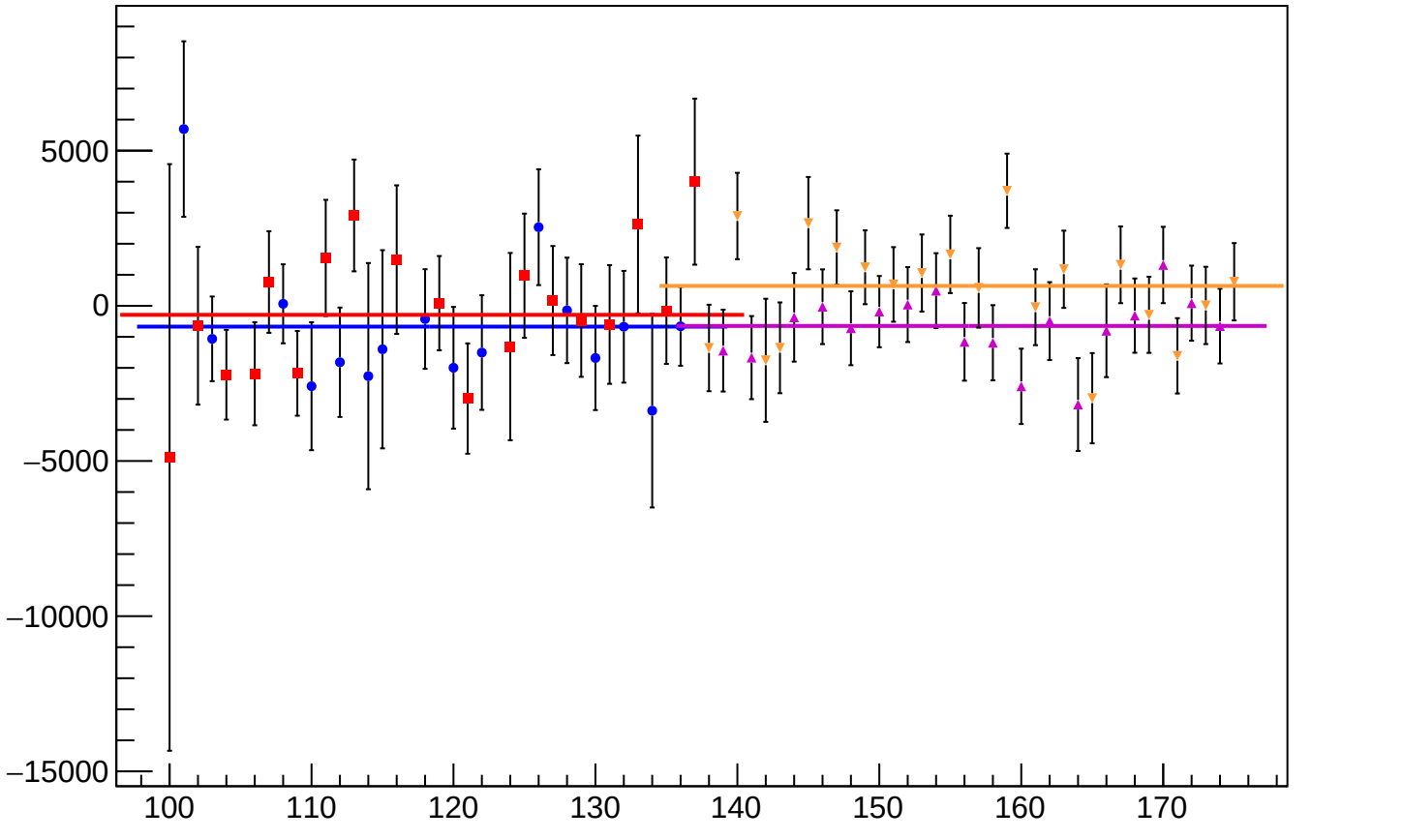
Left: 3765.232+/-0.490 χ^2/NDF: 1725742.9/37

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3642.439+/-0.560 χ^2/NDF:1675909.7/33

Out: 3422.743+/-0.518 χ^2/NDF:2479576.6/38

All: 3523.896+/-0.380 χ^2/NDF: 4238410.9/72



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.892+/-289.035 χ^2/NDF:29.8/19

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.323+/-296.045 χ^2/NDF:11.5/17

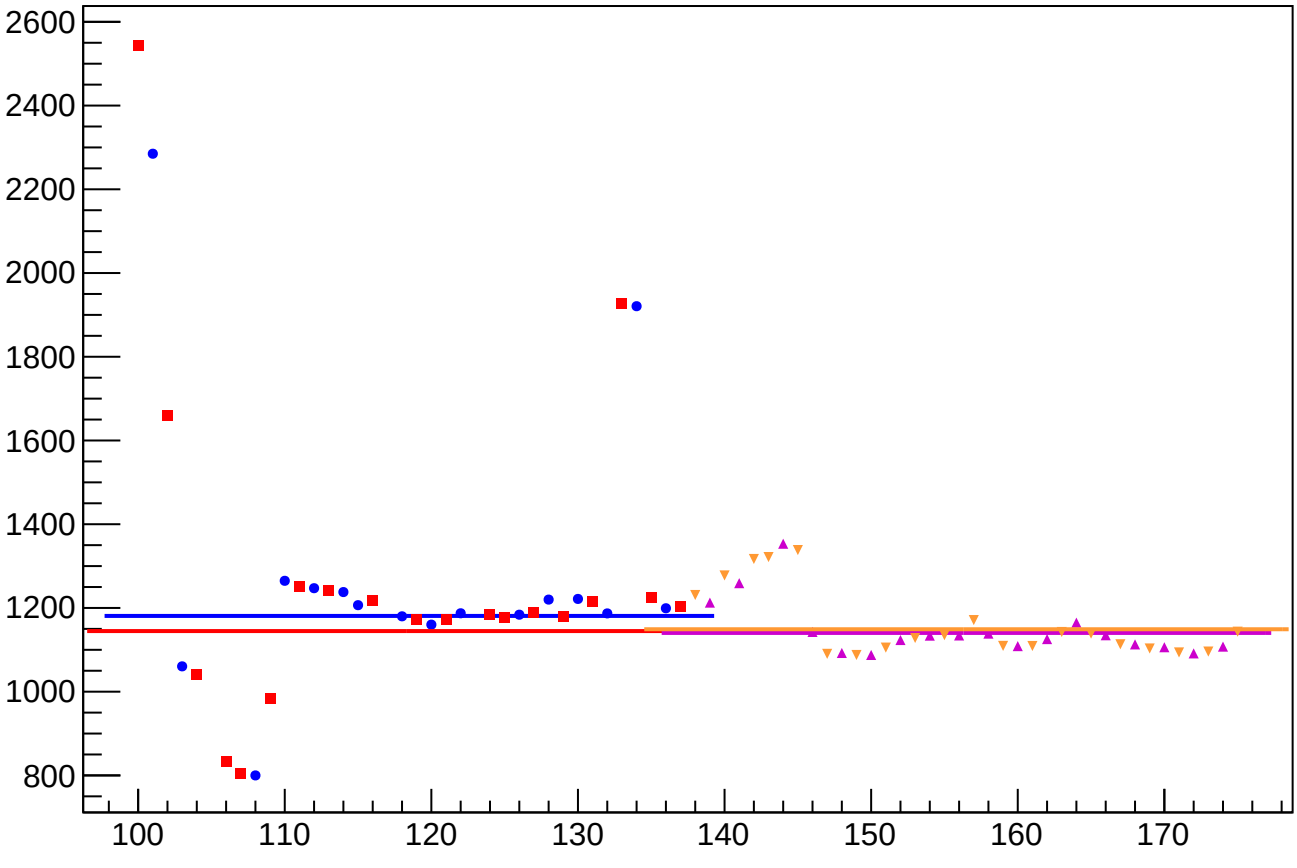
Left: 11.239+/-206.812 χ^2/NDF: 50.9/37

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -655.848+/-247.073 χ^2/NDF:23.3/33

Out: 355.163+/-240.640 χ^2/NDF:49.9/38

All: -137.011+/-172.388 χ^2/NDF: 81.8/72



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1149.119+/-0.204 χ^2/NDF:129498.5/19

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.340+/-0.209 χ^2/NDF:83888.9/17

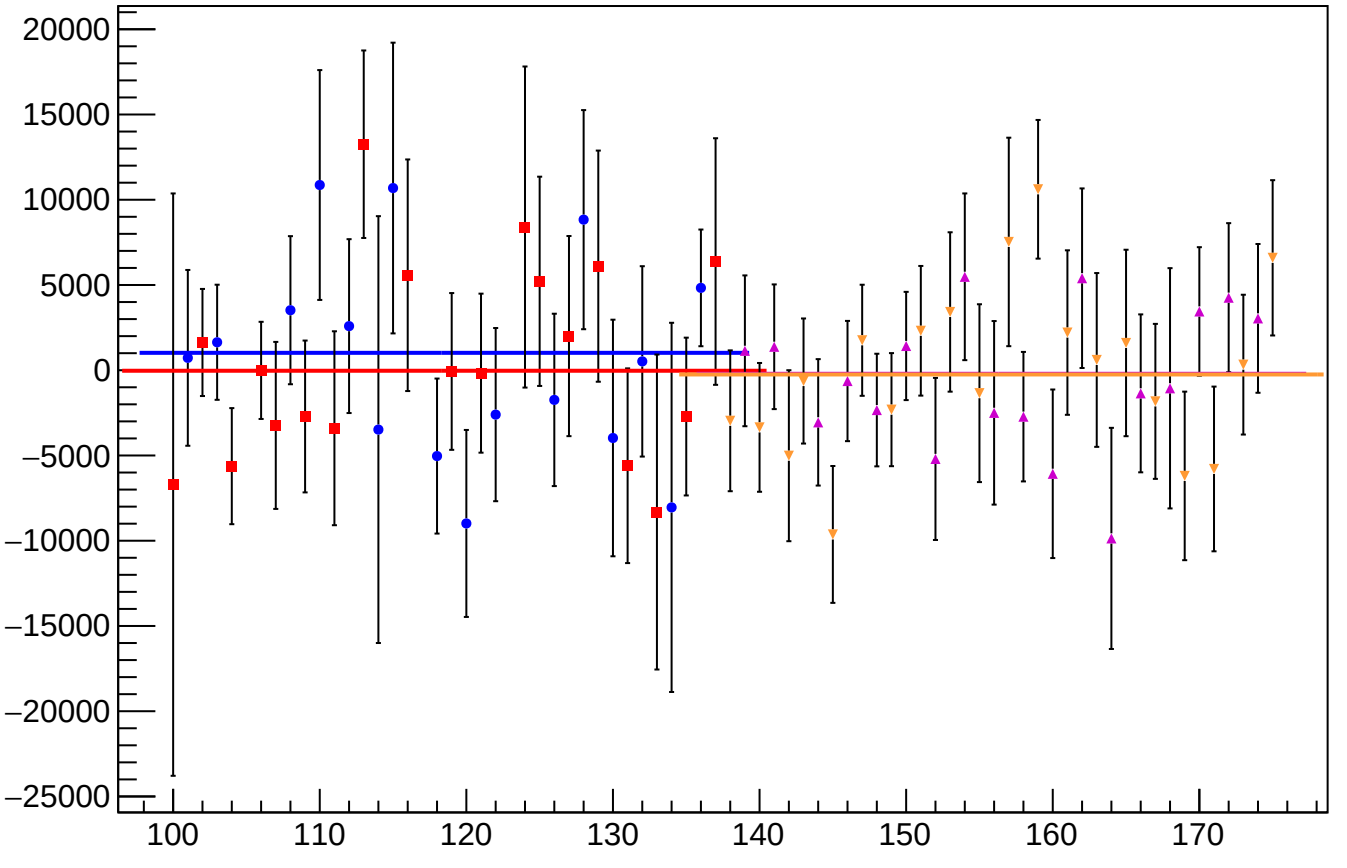
Left: 1144.834+/-0.146 χ^2/NDF: 214287.9/37

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1152.666+/-0.175 χ^2/NDF:717192.0/33

Out: 1147.786+/-0.170 χ^2/NDF:627367.3/38

All: 1150.161+/-0.122 χ^2/NDF: 1344959.7/72



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.632 χ^2/NDF:23.7/19

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -208.411+/-998.733 χ^2/NDF:12.0/17

Left: -229.031+/-692.347 χ^2/NDF: 35.7/37

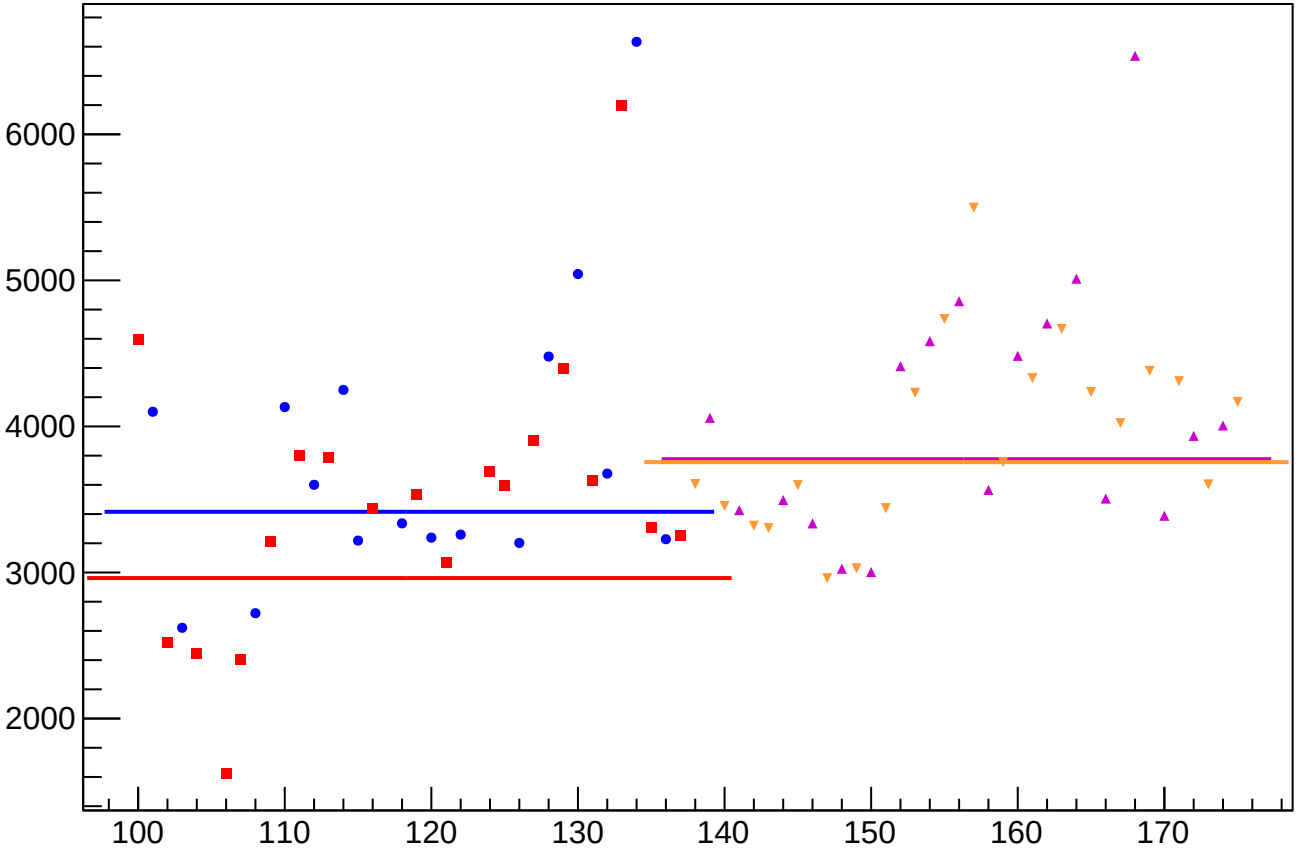
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 246.831+/-792.541 χ^2/NDF:26.4/33

Out: -156.737+/-732.102 χ^2/NDF:39.8/38

All: 29.074+/-537.773 χ^2/NDF: 66.4/72

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3755.435+/-0.679 χ^2/NDF:738088.1/19

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3775.831+/-0.706 χ^2/NDF:987221.0/17

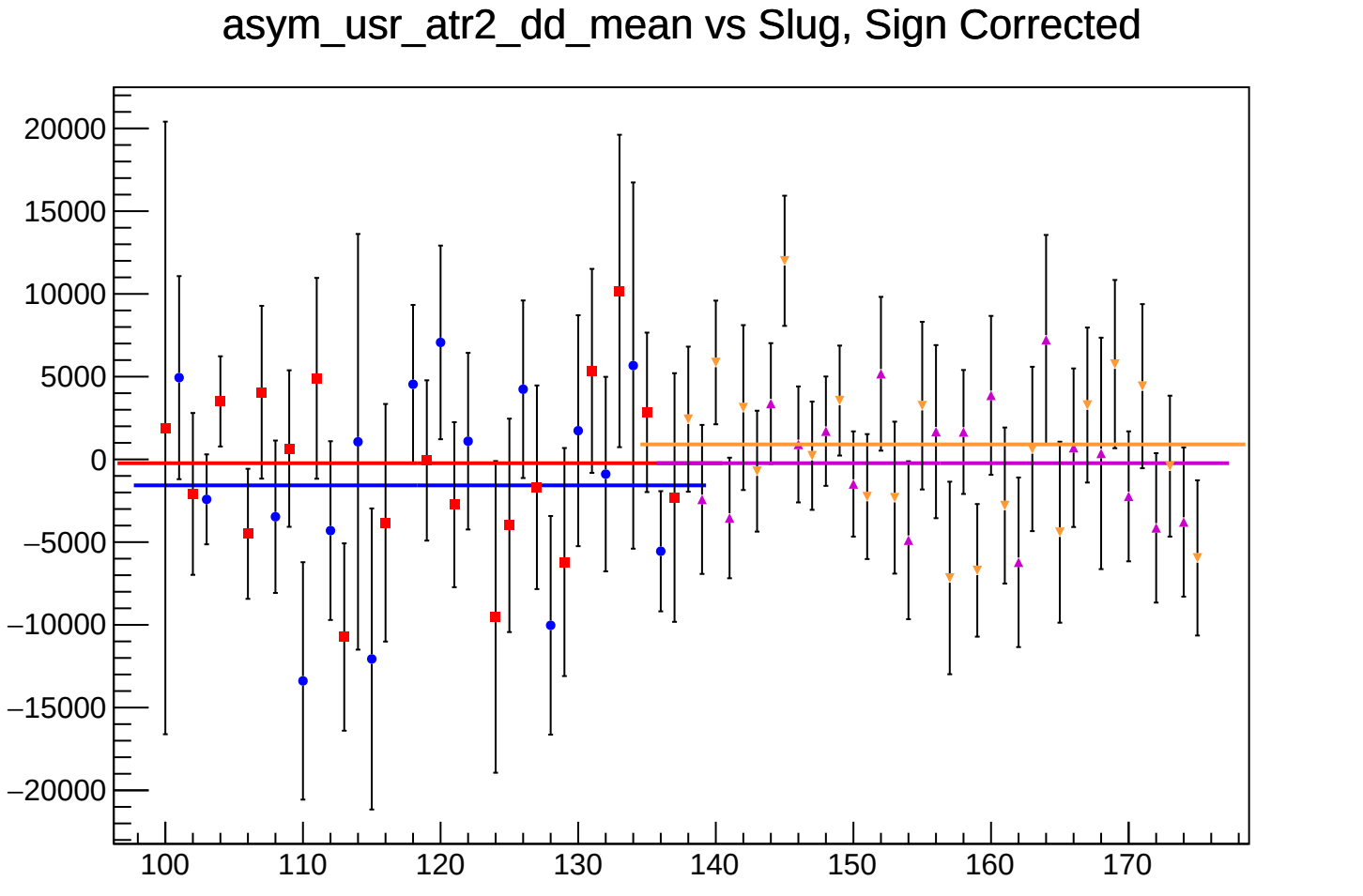
Left: 3765.237+/-0.490 χ^2/NDF: 1725742.4/37

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

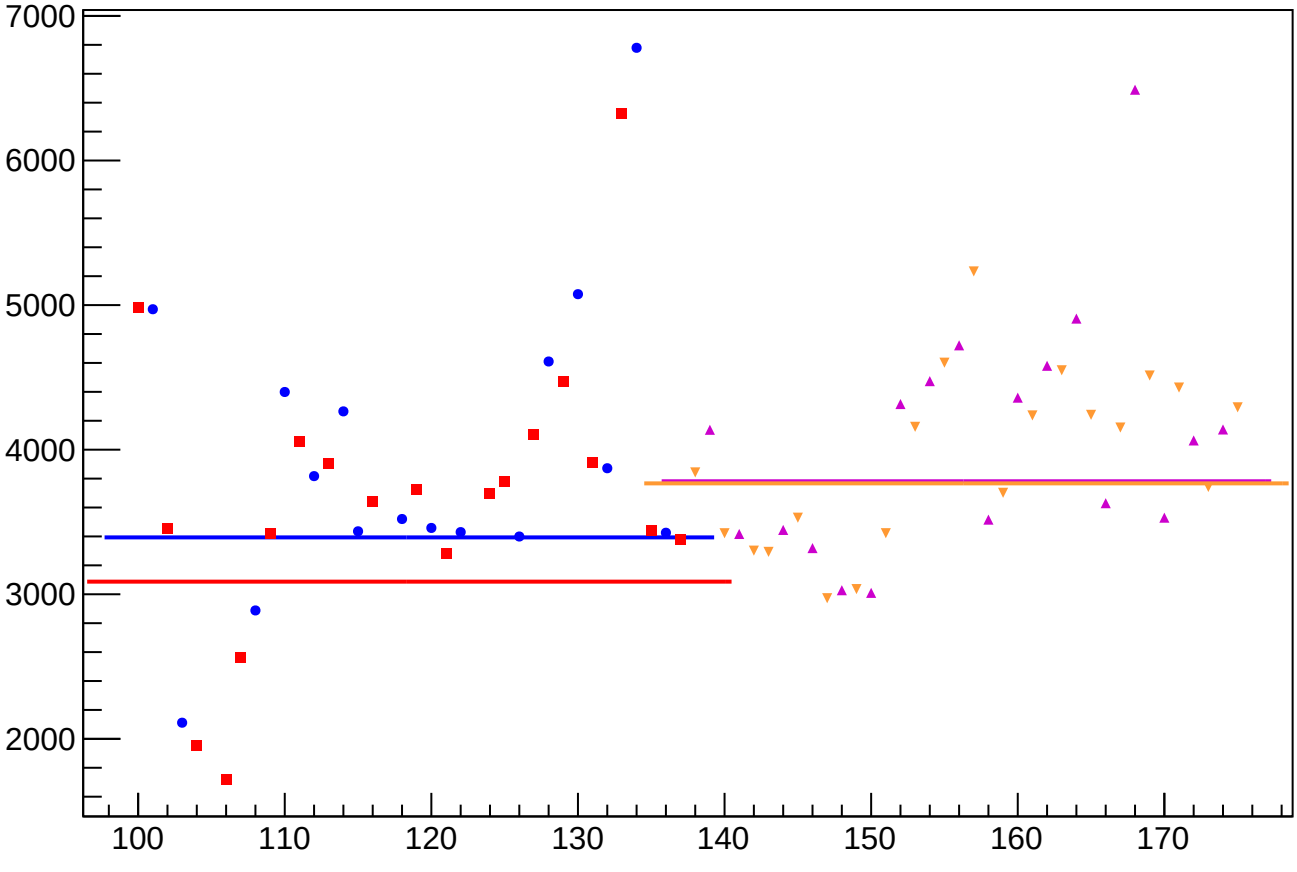
In: 3642.440+/-0.560 χ^2/NDF:1675909.6/33

Out: 3422.743+/-0.518 χ^2/NDF:2479590.5/38

All: 3523.896+/-0.380 χ^2/NDF: 4238425.7/72


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 906.194+/-962.122 χ²/NDF:23.3/19
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: -230.062+/-998.407 χ²/NDF:10.5/17
Left: 359.089+/-692.795 χ²/NDF: 34.5/37
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -720.936+/-794.726 χ²/NDF:25.6/33
Out: 471.987+/-756.487 χ²/NDF:37.1/38
All: -95.085+/-547.937 χ²/NDF: 63.9/72

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3766.950+/-0.680 χ^2/NDF:705824.4/19

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3781.511+/-0.706 χ^2/NDF:920464.4/17

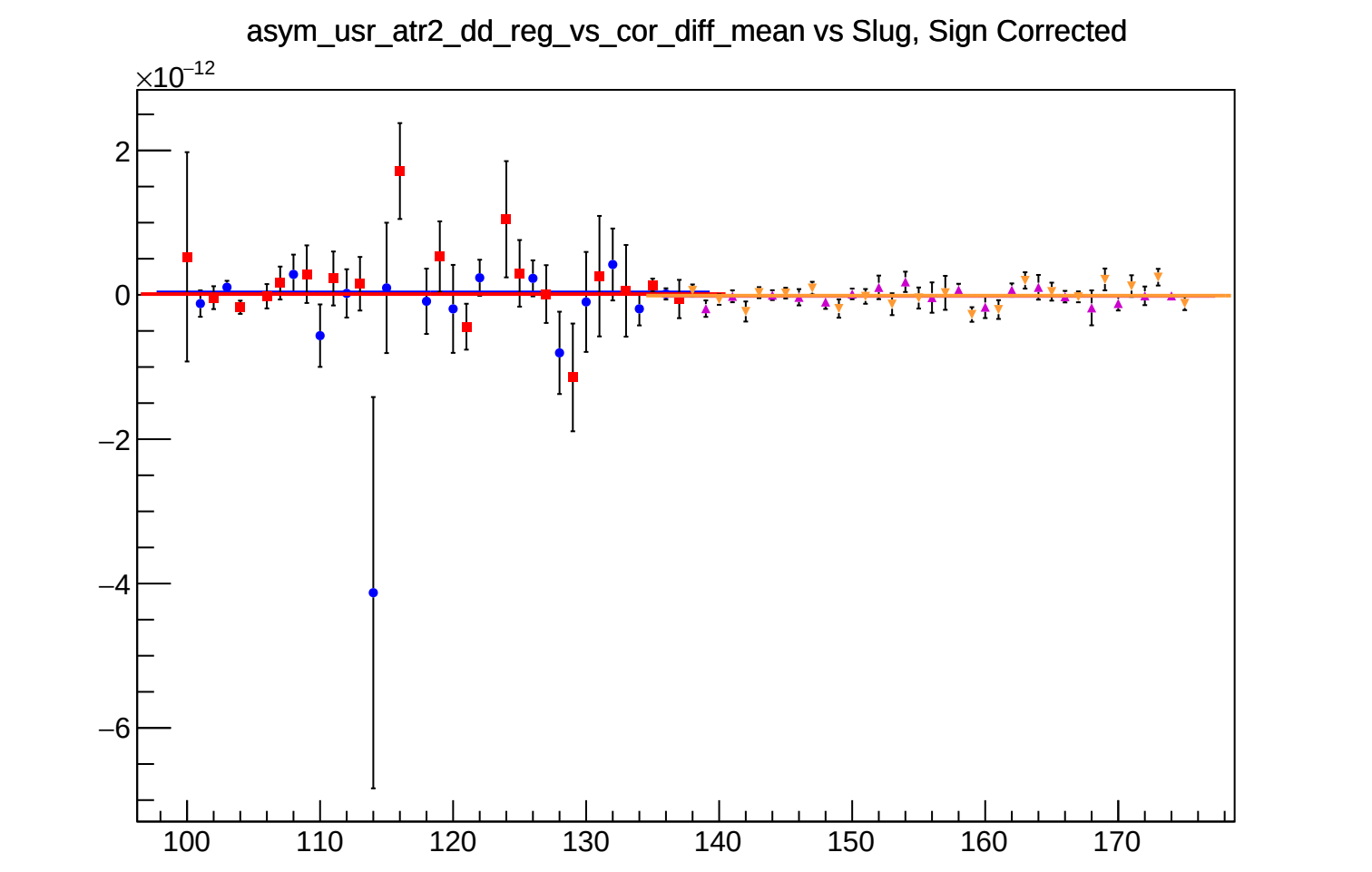
Left: 3773.961+/-0.490 χ^2/NDF: 1626509.4/37

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3639.297+/-0.562 χ^2/NDF:2079924.2/33

Out: 3502.035+/-0.531 χ^2/NDF:2423188.0/38

All: 3566.839+/-0.386 χ^2/NDF: 4534606.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/17

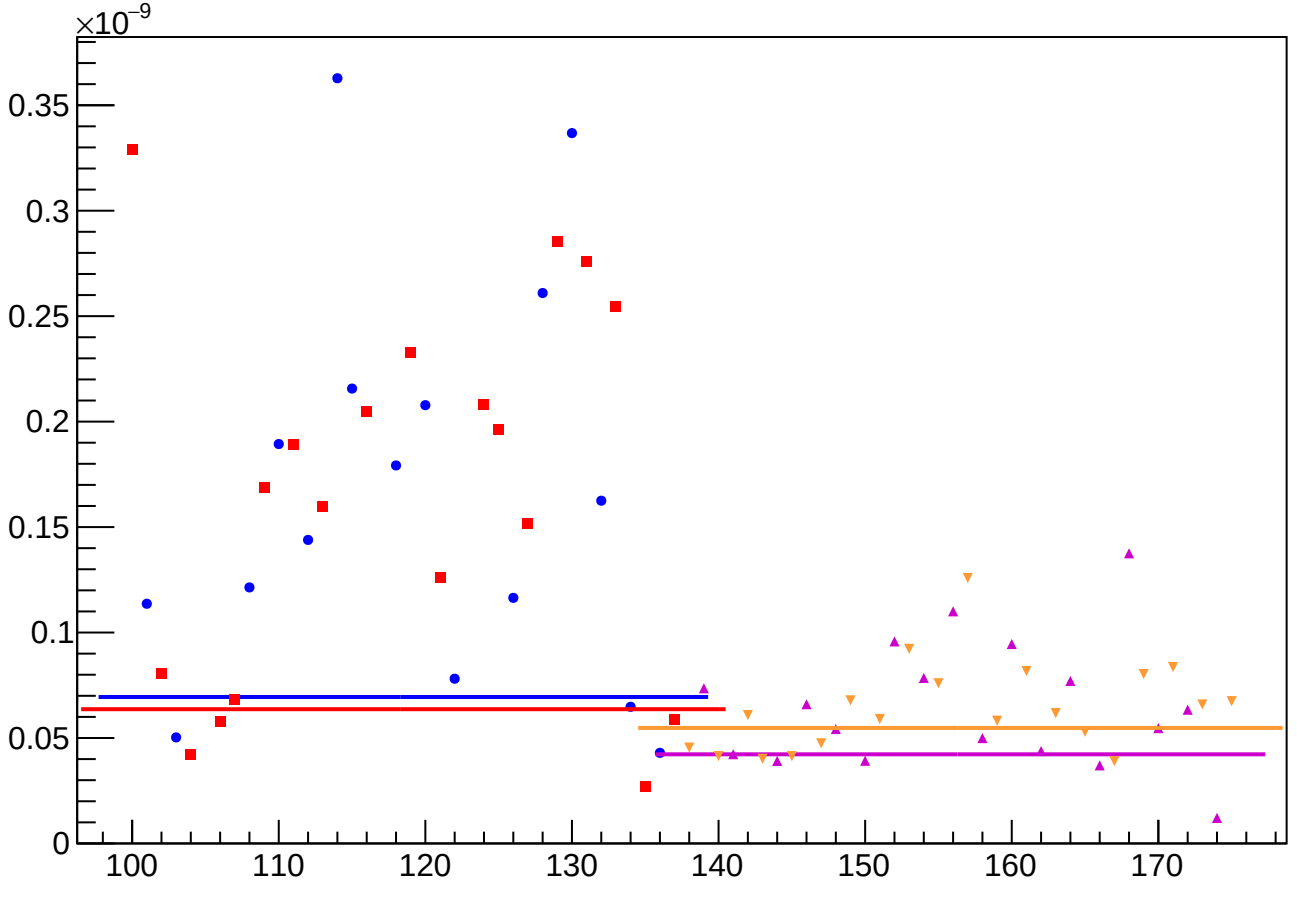
Left: -0.000+/-0.000 χ^2/NDF: 40.8/37

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.3/33

Out: -0.000+/-0.000 χ^2/NDF:52.2/38

All: -0.000+/-0.000 χ^2/NDF: 75.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:989393.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2648280.6/17

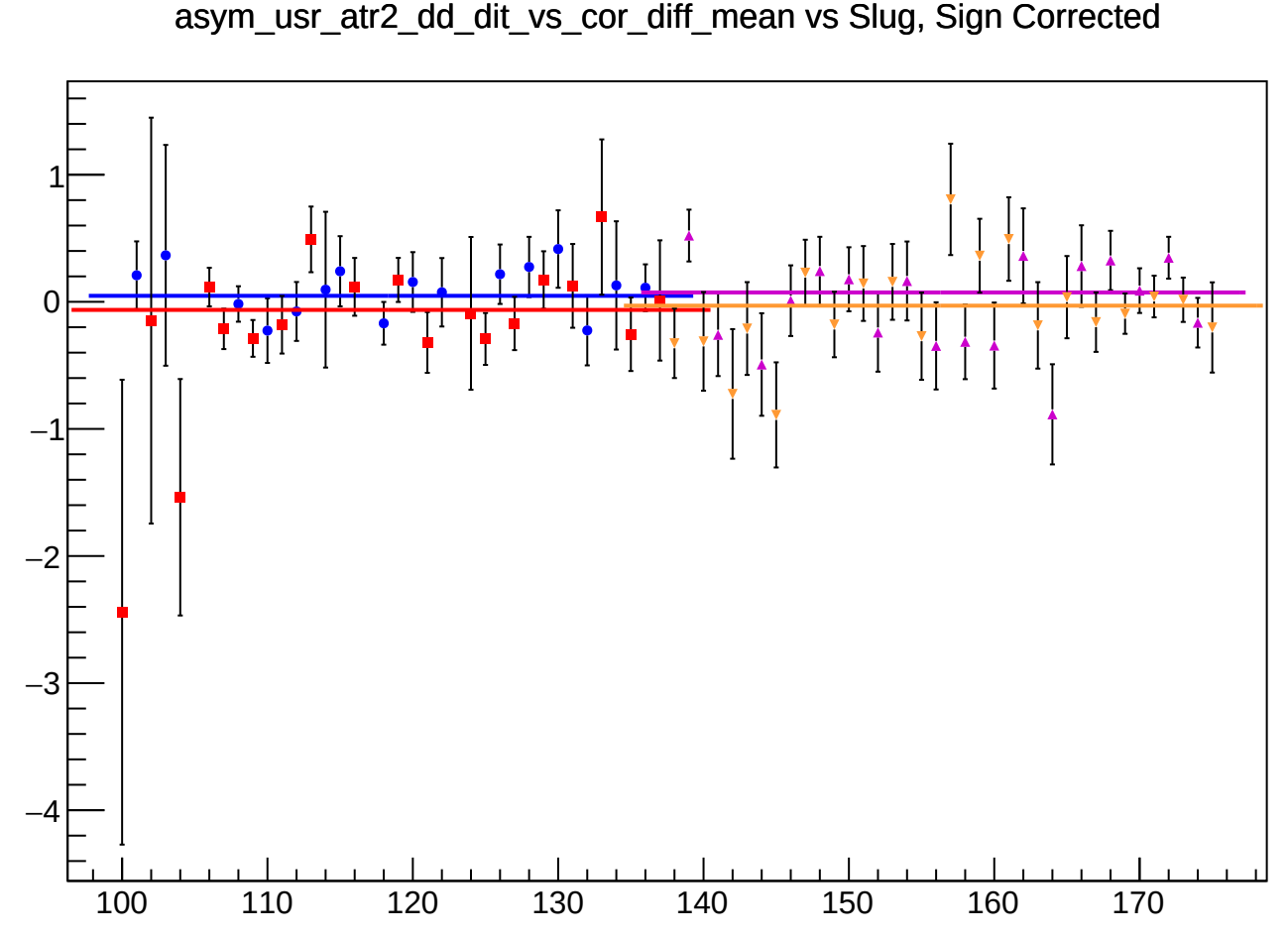
Left: 0.000+/-0.000 χ^2/NDF: 3954293.7/37

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4895375.7/33

Out: 0.000+/-0.000 χ^2/NDF:3292504.6/38

All: 0.000+/-0.000 χ^2/NDF: 8418158.5/72



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

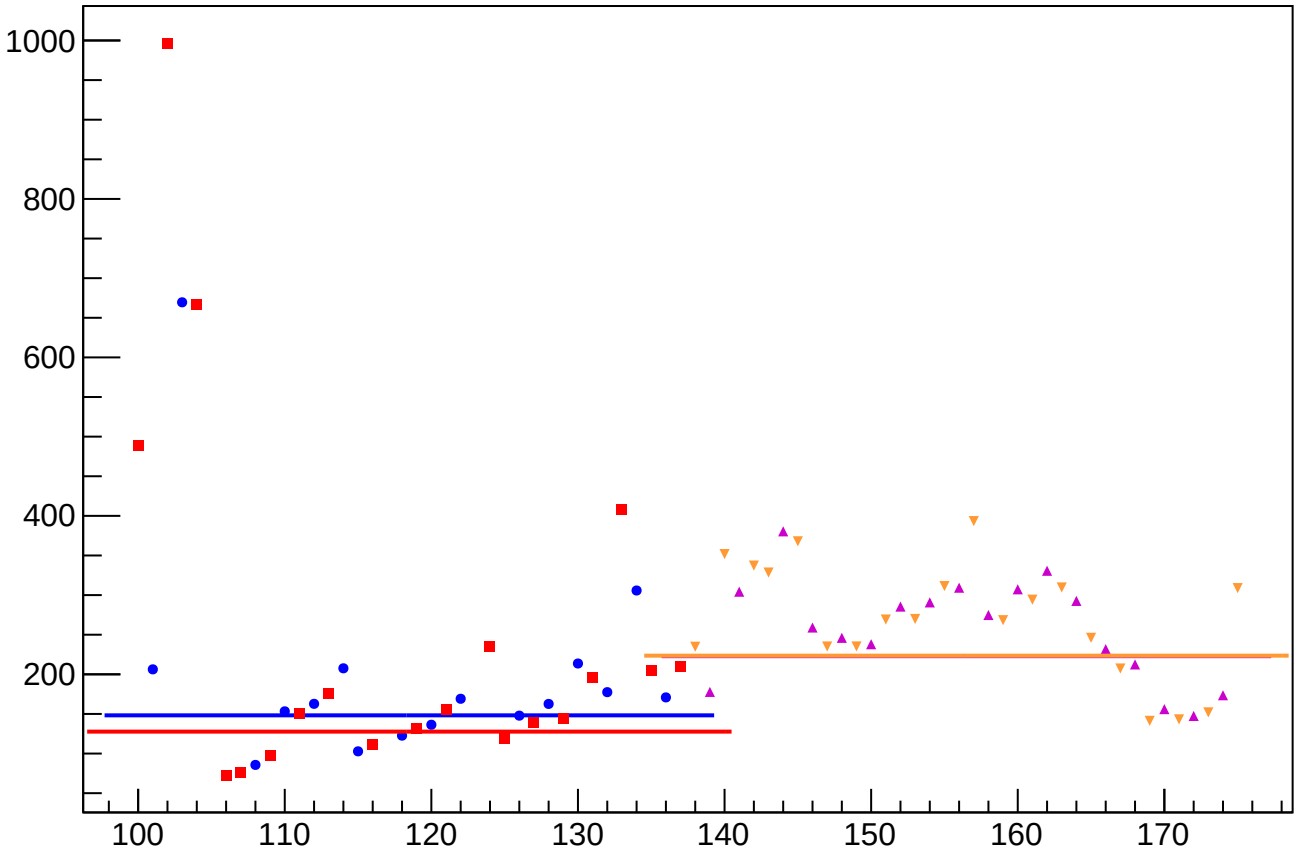
Left: 0.021+/-0.043 χ^2/NDF: 48.1/37

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/72



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

Left: 223.232+/-0.030 χ^2/NDF: 5172689.5/37

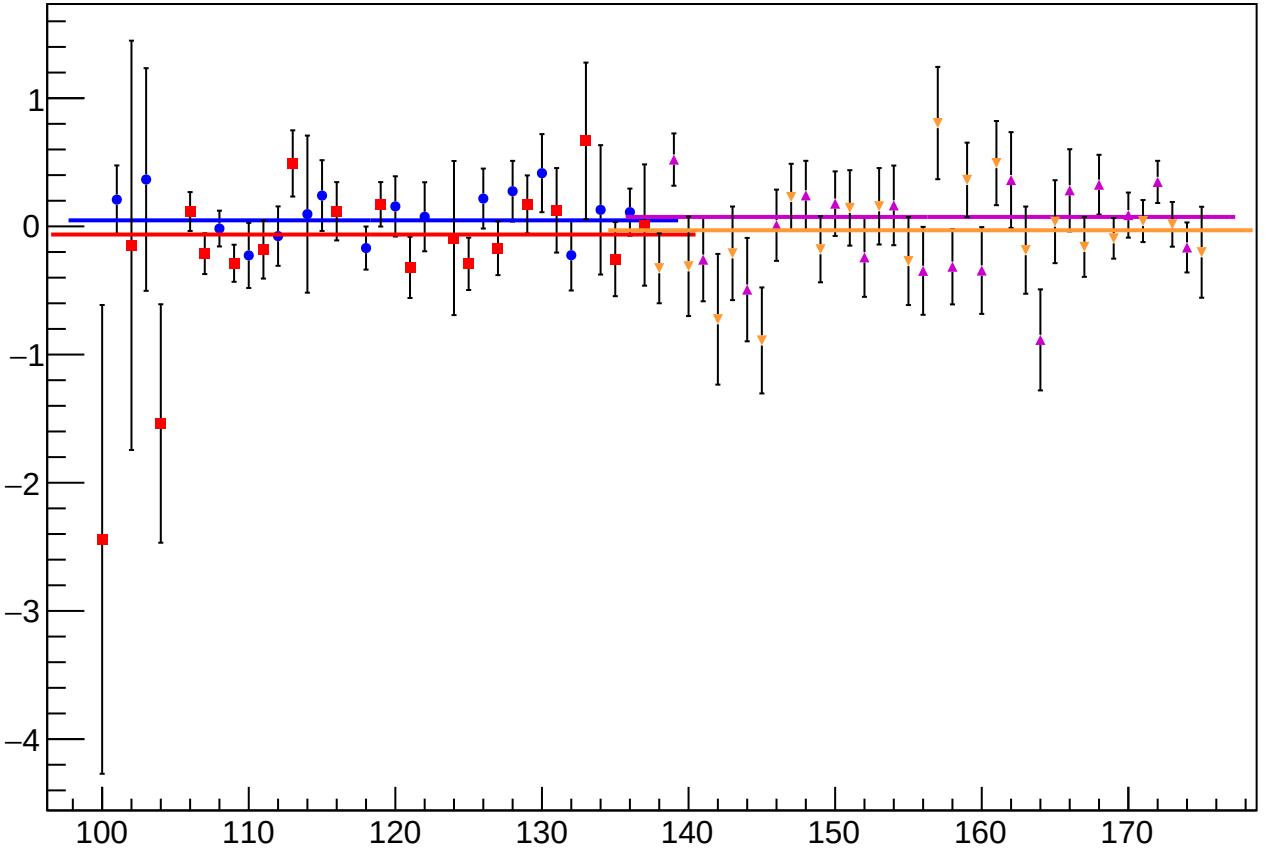
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.987+/-0.030 χ^2/NDF:5380073.7/33

Out: 171.283+/-0.029 χ^2/NDF:8664251.5/38

All: 177.739+/-0.021 χ^2/NDF: 14152899.3/72

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

Left: 0.021+/-0.043 χ^2/NDF: 48.1/37

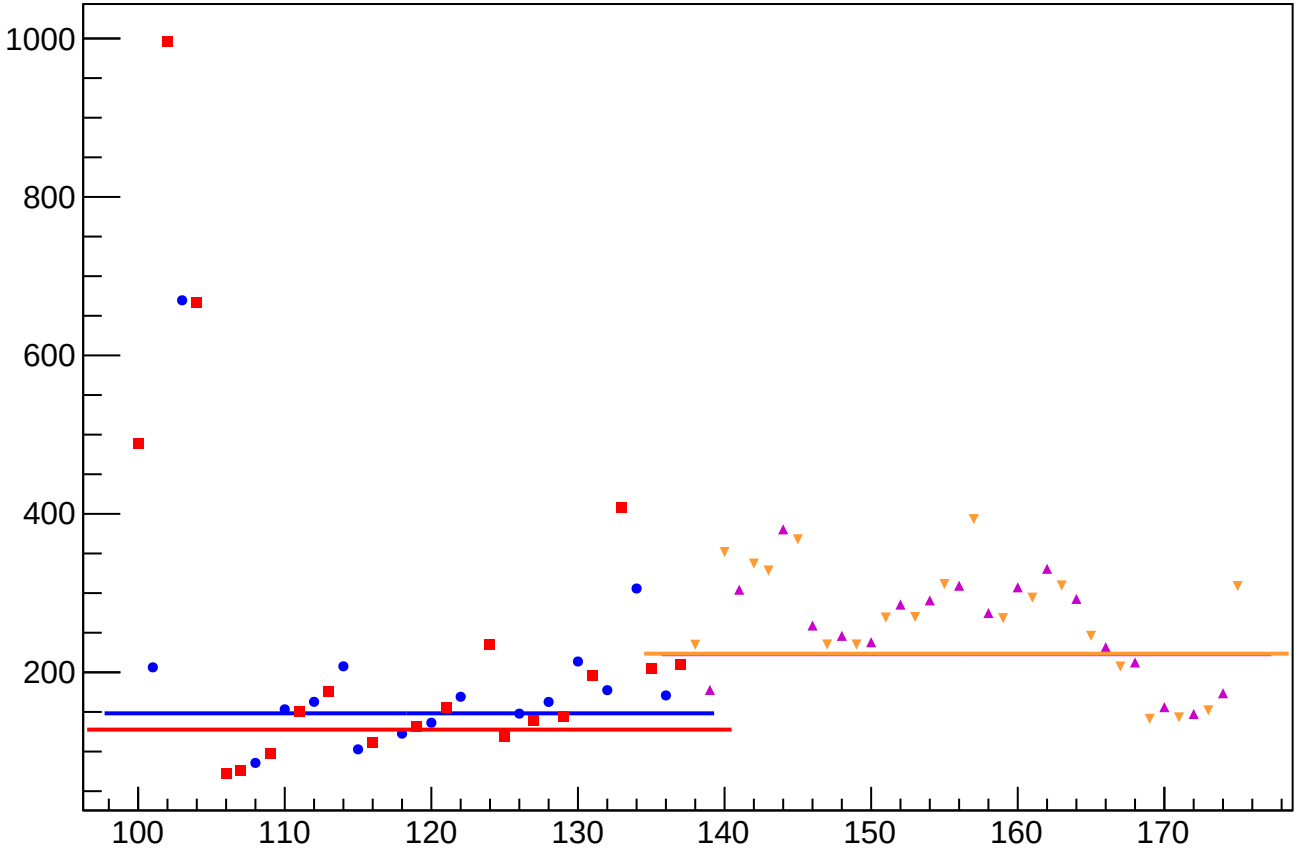
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/72

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

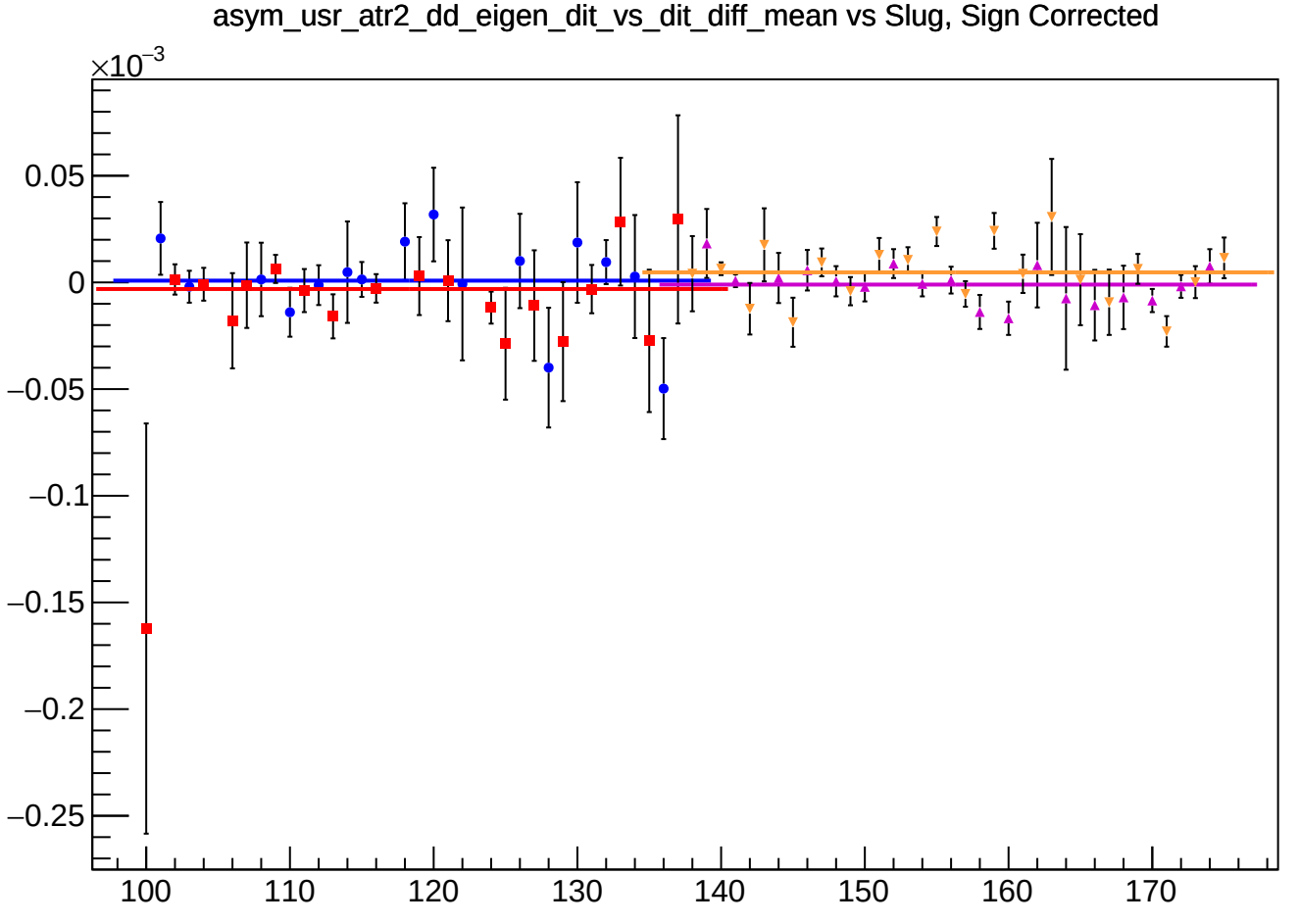
Left: 223.232+/-0.030 χ^2/NDF: 5172689.5/37

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.987+/-0.030 χ^2/NDF:5380073.7/33

Out: 171.283+/-0.029 χ^2/NDF:8664251.5/38

All: 177.739+/-0.021 χ^2/NDF: 14152899.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/17

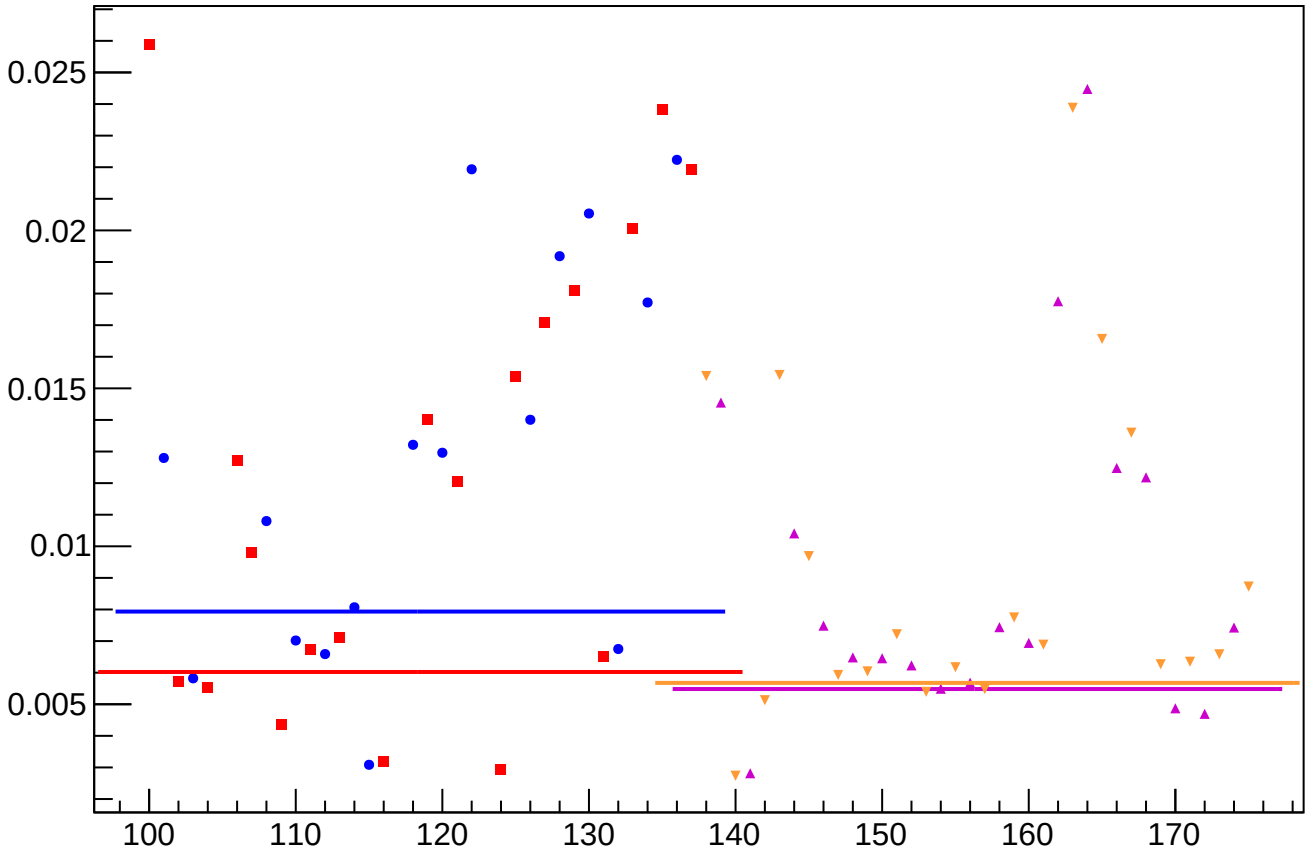
Left: 0.000+/-0.000 χ^2/NDF: 66.5/37

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:29.6/33

Out: 0.000+/-0.000 χ^2/NDF:64.2/38

All: 0.000+/-0.000 χ^2/NDF: 96.4/72



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5915914.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5305820.1/17

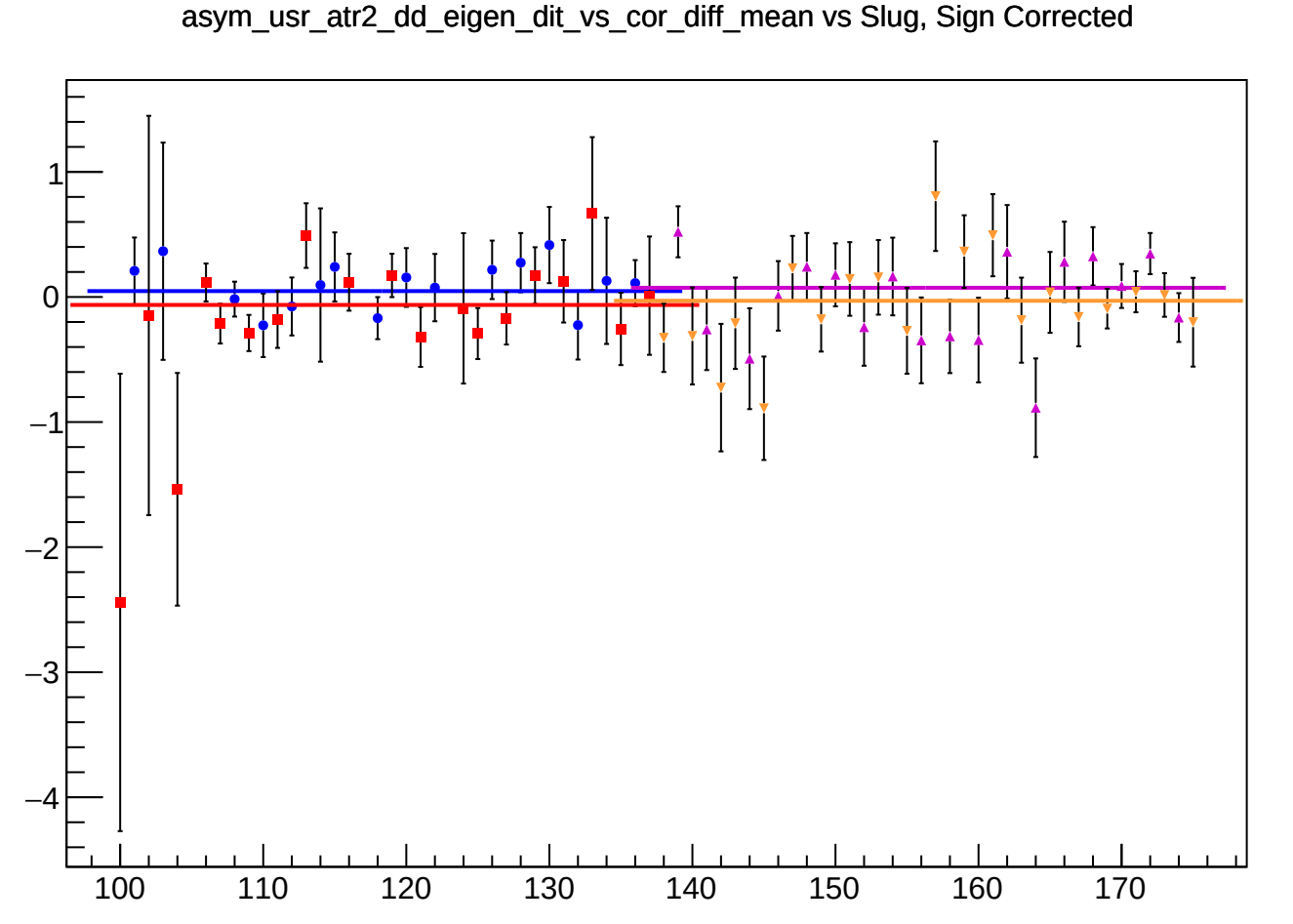
Left: 0.006+/-0.000 χ^2/NDF: 11235955.5/37

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9705880.8/33

Out: 0.006+/-0.000 χ^2/NDF:9950405.3/38

All: 0.006+/-0.000 χ^2/NDF: 19667799.5/72



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

Left: 0.021+/-0.043 χ^2/NDF: 48.1/37

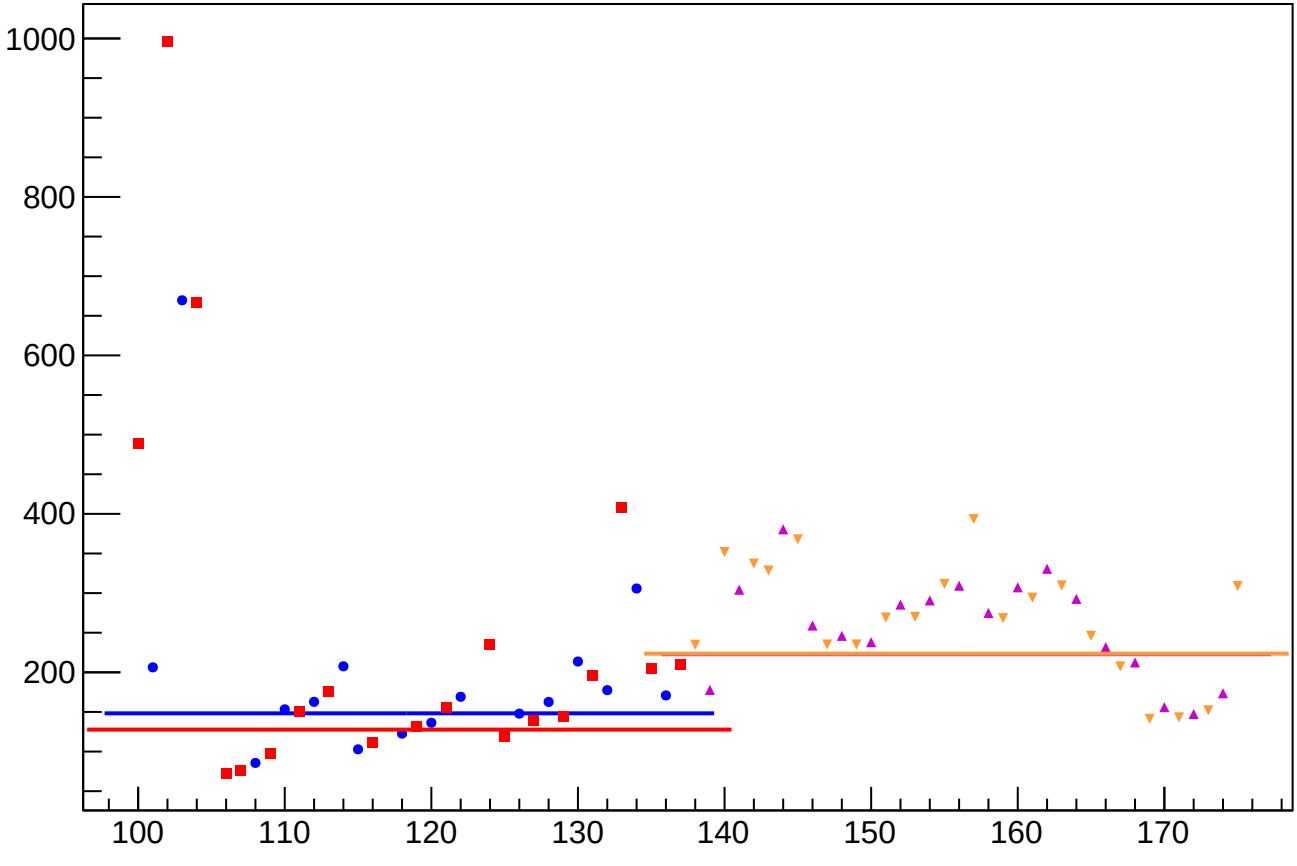
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/72

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.567+/-0.042 χ^2/NDF:3025025.2/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

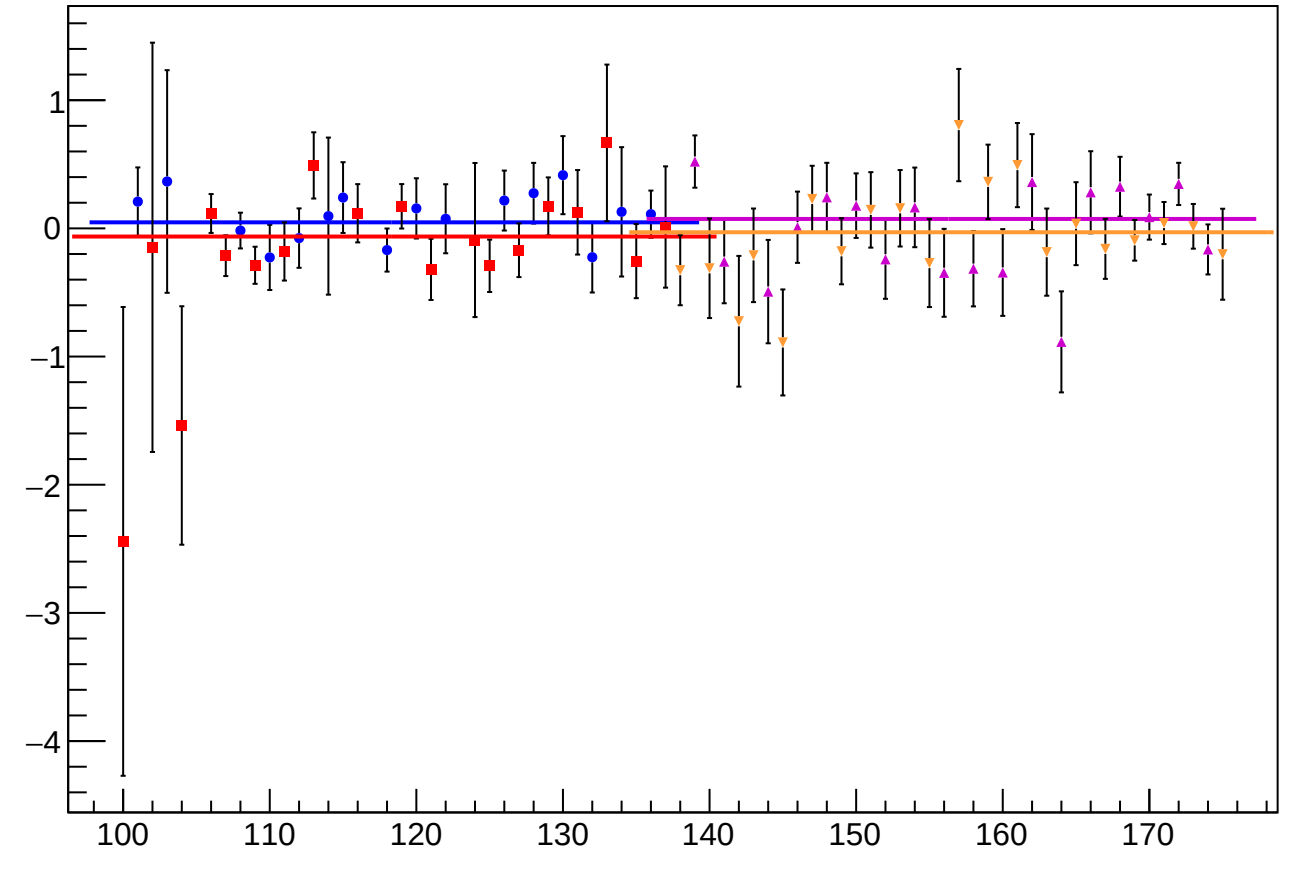
Left: 223.233+/-0.030 χ^2/NDF: 5172855.4/37

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.985+/-0.030 χ^2/NDF:5380371.8/33

Out: 171.283+/-0.029 χ^2/NDF:8664396.4/38

All: 177.738+/-0.021 χ^2/NDF: 14153321.7/72



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

Left: 0.021+/-0.043 χ^2/NDF: 48.1/37

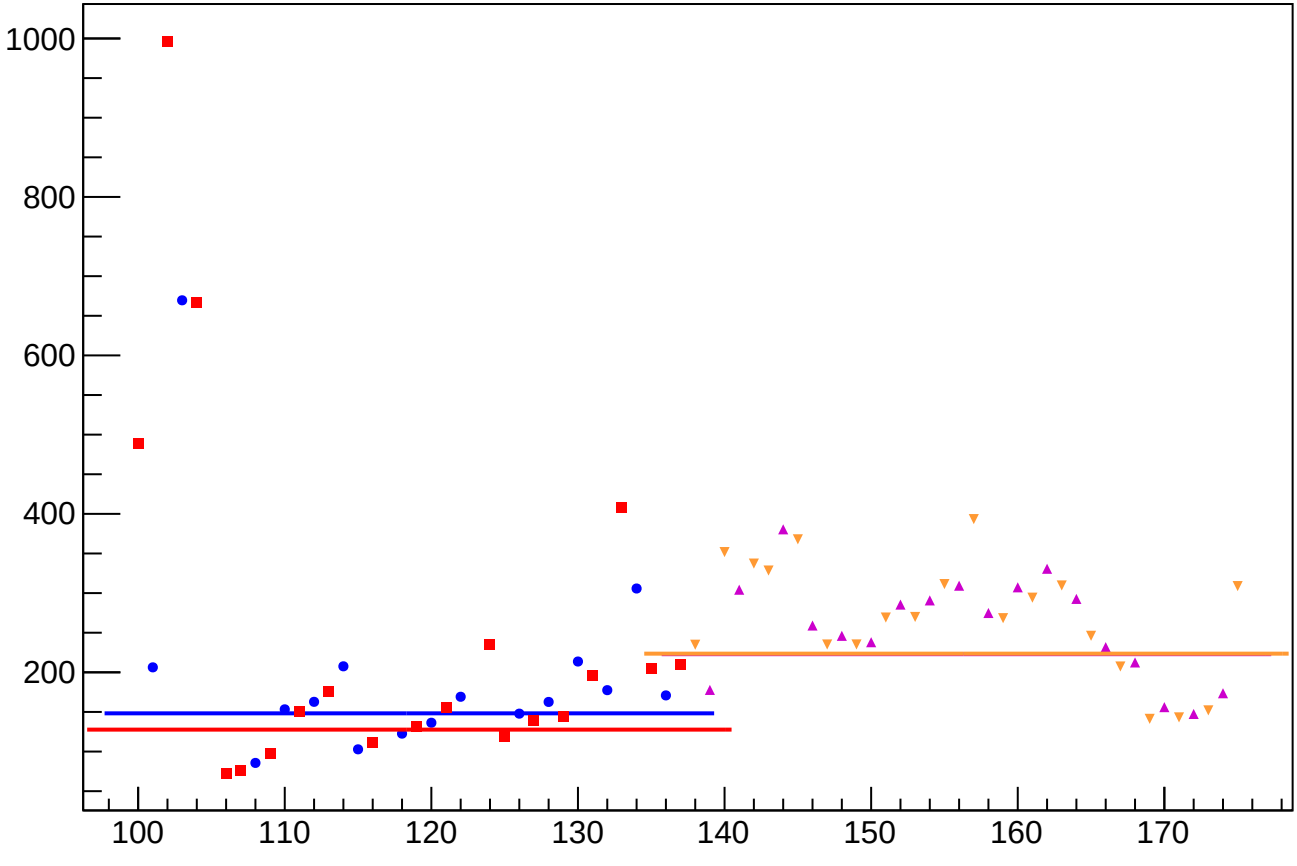
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/72

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.567+/-0.042 χ^2/NDF:3025025.2/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

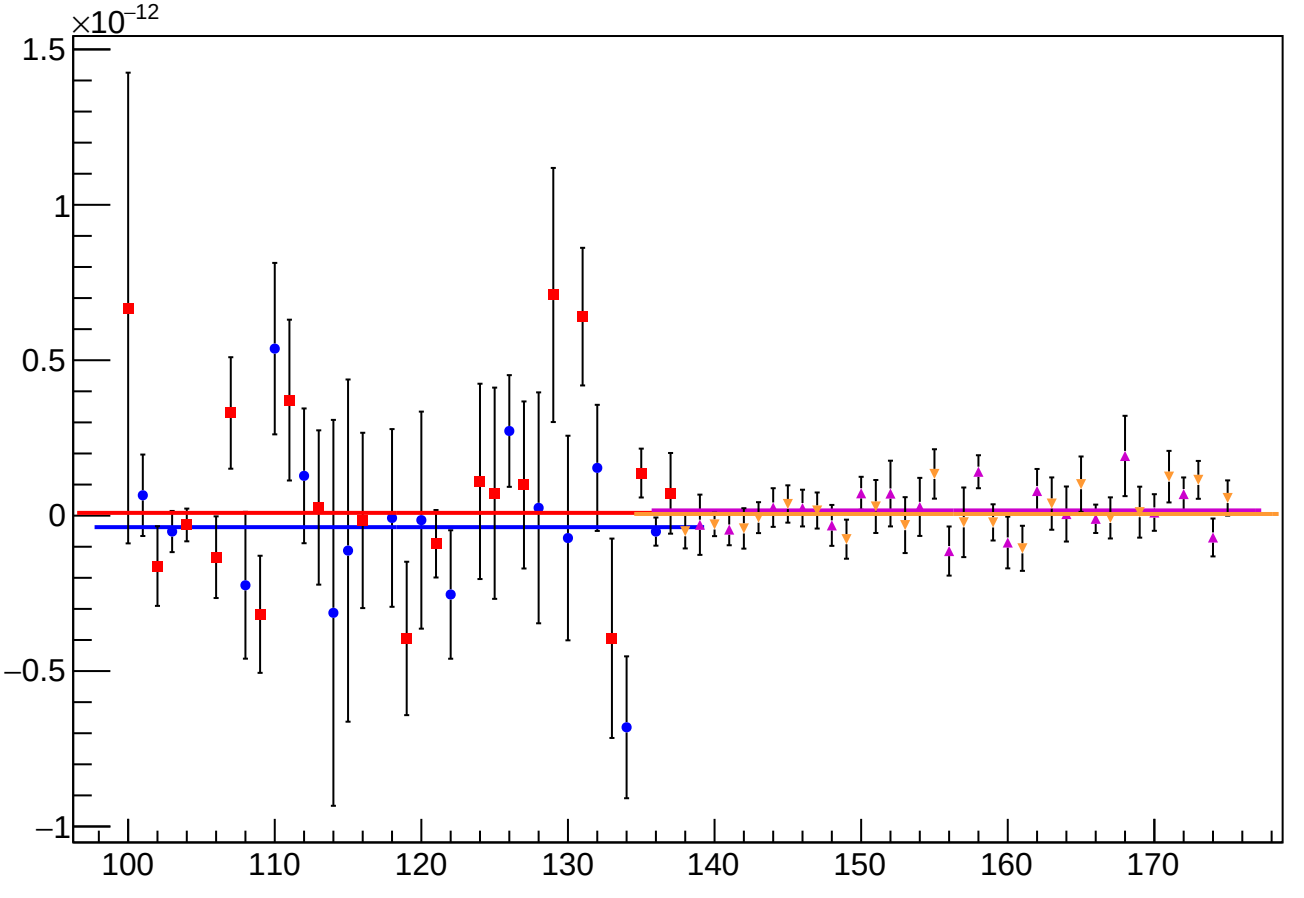
Left: 223.233+/-0.030 χ^2/NDF: 5172855.4/37

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.985+/-0.030 χ^2/NDF:5380371.8/33

Out: 171.283+/-0.029 χ^2/NDF:8664396.4/38

All: 177.738+/-0.021 χ^2/NDF: 14153321.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/17

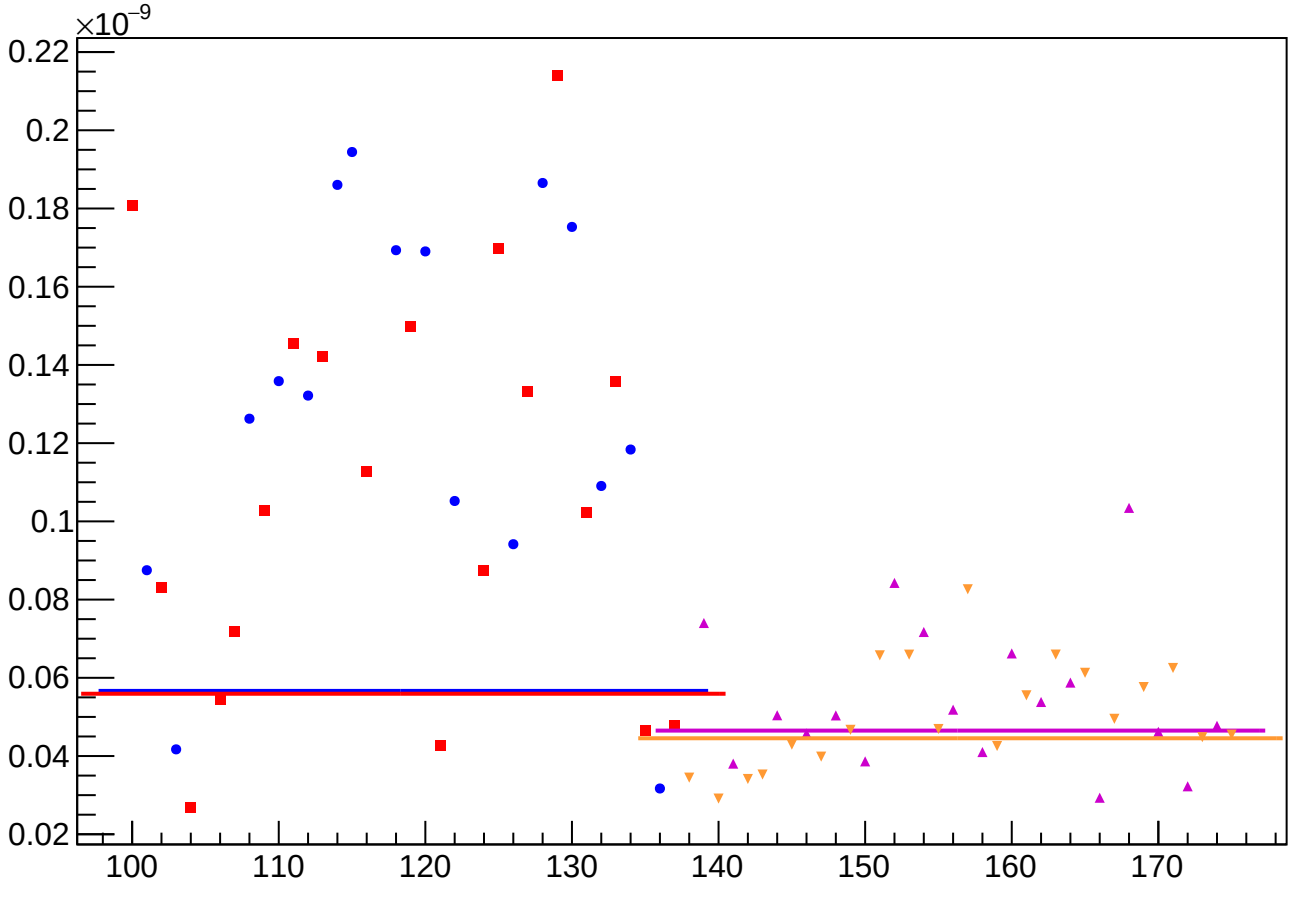
Left: 0.000+/-0.000 χ^2/NDF: 37.1/37

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:41.2/33

Out: 0.000+/-0.000 χ^2/NDF:49.1/38

All: 0.000+/-0.000 χ^2/NDF: 90.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1414585.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1694456.3/17

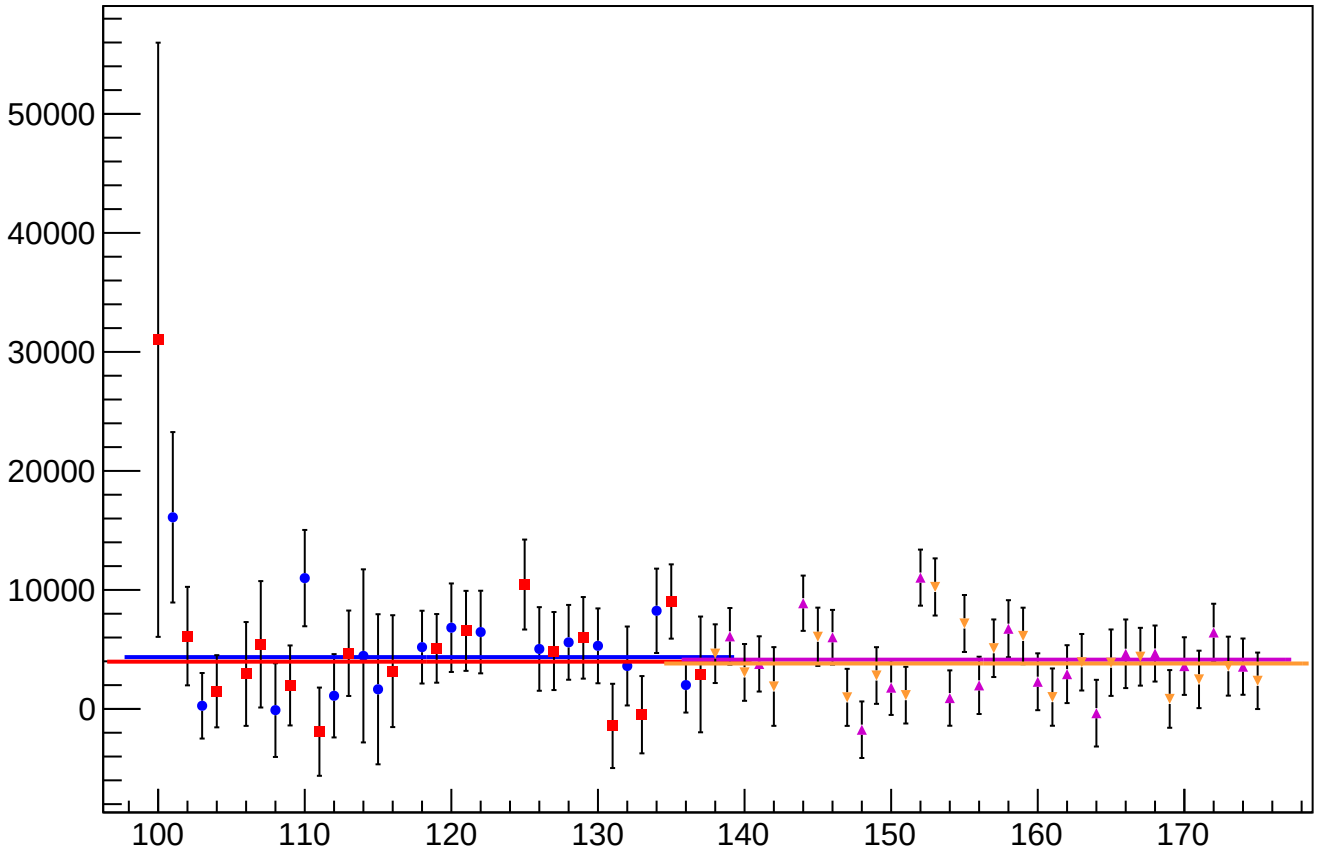
Left: 0.000+/-0.000 χ^2/NDF: 3126550.2/37

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4970028.9/33

Out: 0.000+/-0.000 χ^2/NDF:4358188.3/38

All: 0.000+/-0.000 χ^2/NDF: 9348806.4/72



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.378+/-563.326 χ^2/NDF:18.2/18

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4139.765+/-567.141 χ^2/NDF:29.7/17

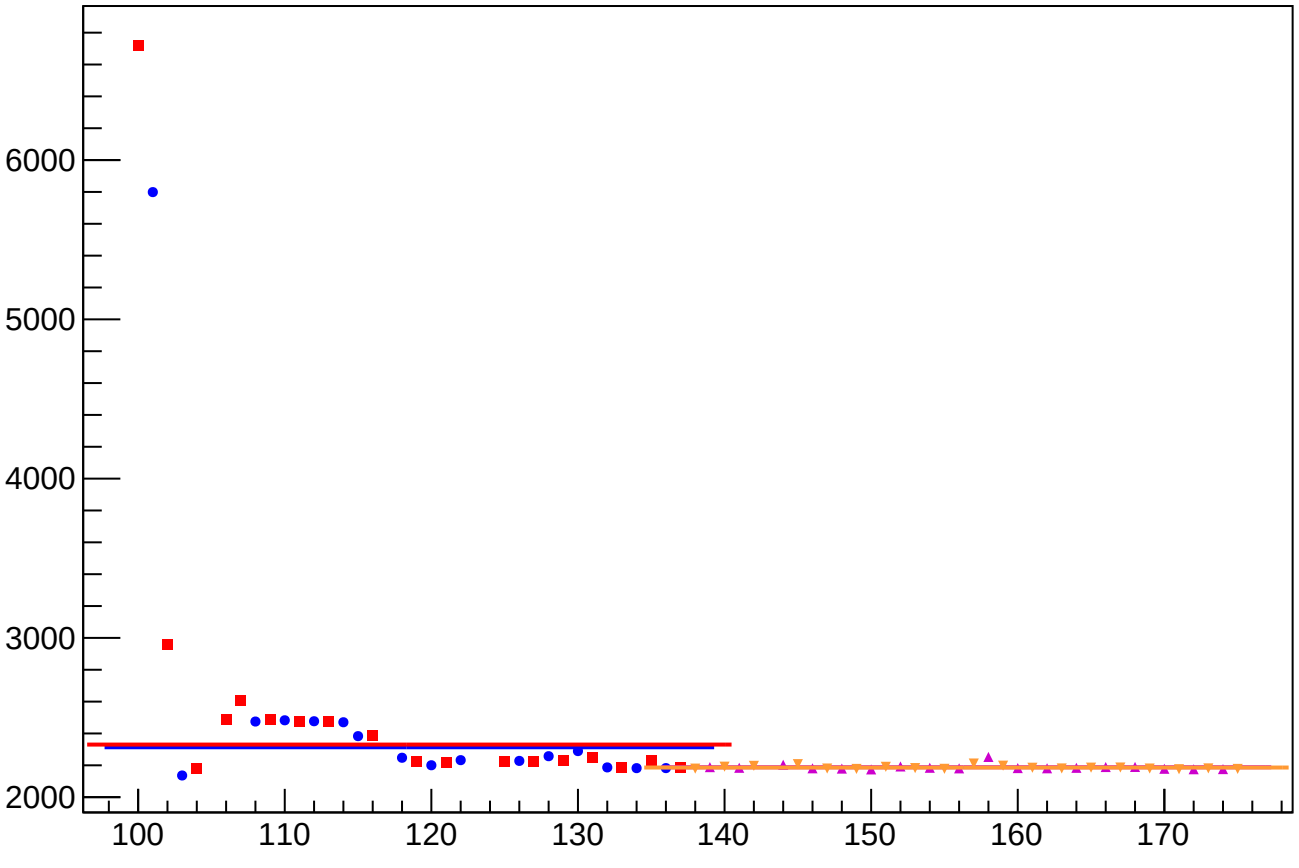
Left: 3977.483+/-399.674 χ^2/NDF: 48.1/36

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4203.230+/-475.940 χ^2/NDF:43.1/33

Out: 3862.863+/-473.065 χ^2/NDF:34.4/36

All: 4032.015+/-335.520 χ^2/NDF: 77.8/70



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

Left: 2186.955+/-0.283 χ^2/NDF: 2502.9/36

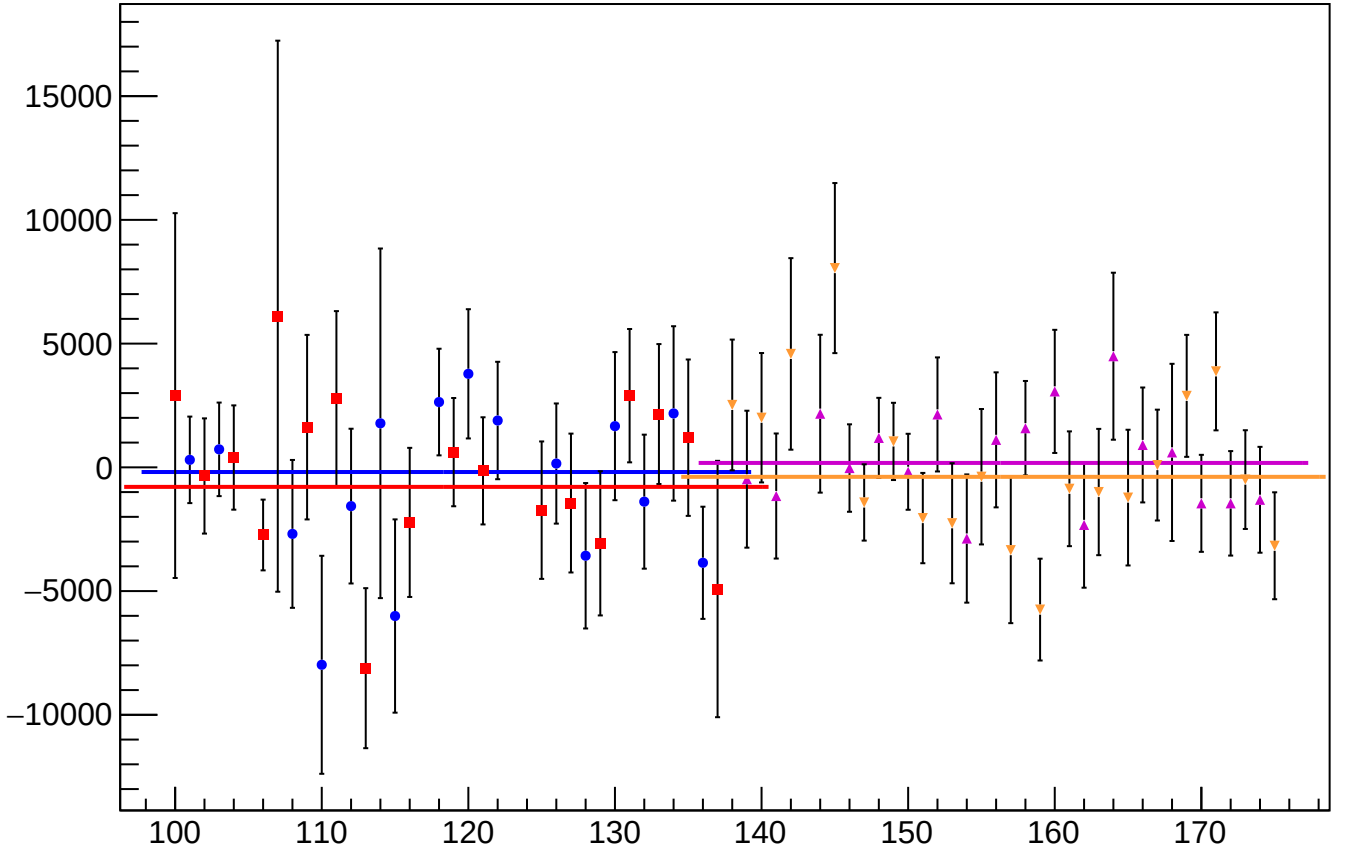
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2224.976+/-0.337 χ^2/NDF:543230.8/33

Out: 2228.569+/-0.335 χ^2/NDF:190431.3/36

All: 2226.783+/-0.237 χ^2/NDF: 733719.4/70

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -383.422+/-519.448 χ^2/NDF:27.1/18

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 178.498+/-524.889 χ^2/NDF:9.8/17

Left: -105.389+/-369.214 χ^2/NDF: 37.5/36

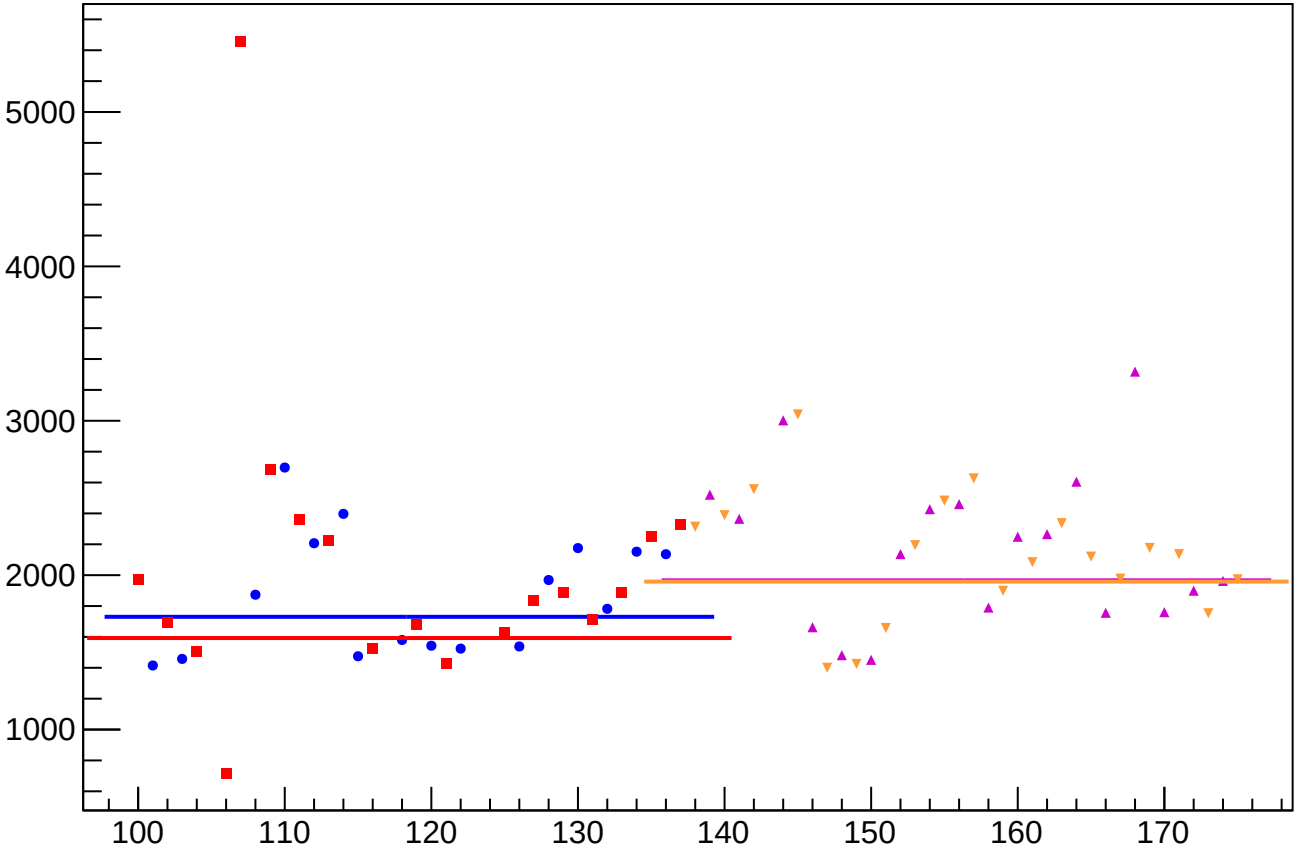
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 35.807+/-410.410 χ^2/NDF:26.4/33

Out: -546.176+/-402.036 χ^2/NDF:42.3/36

All: -261.182+/-287.197 χ^2/NDF: 69.7/70

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1958.275+/-0.367 χ^2/NDF:1188864.2/18

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1966.574+/-0.371 χ^2/NDF:1412567.9/17

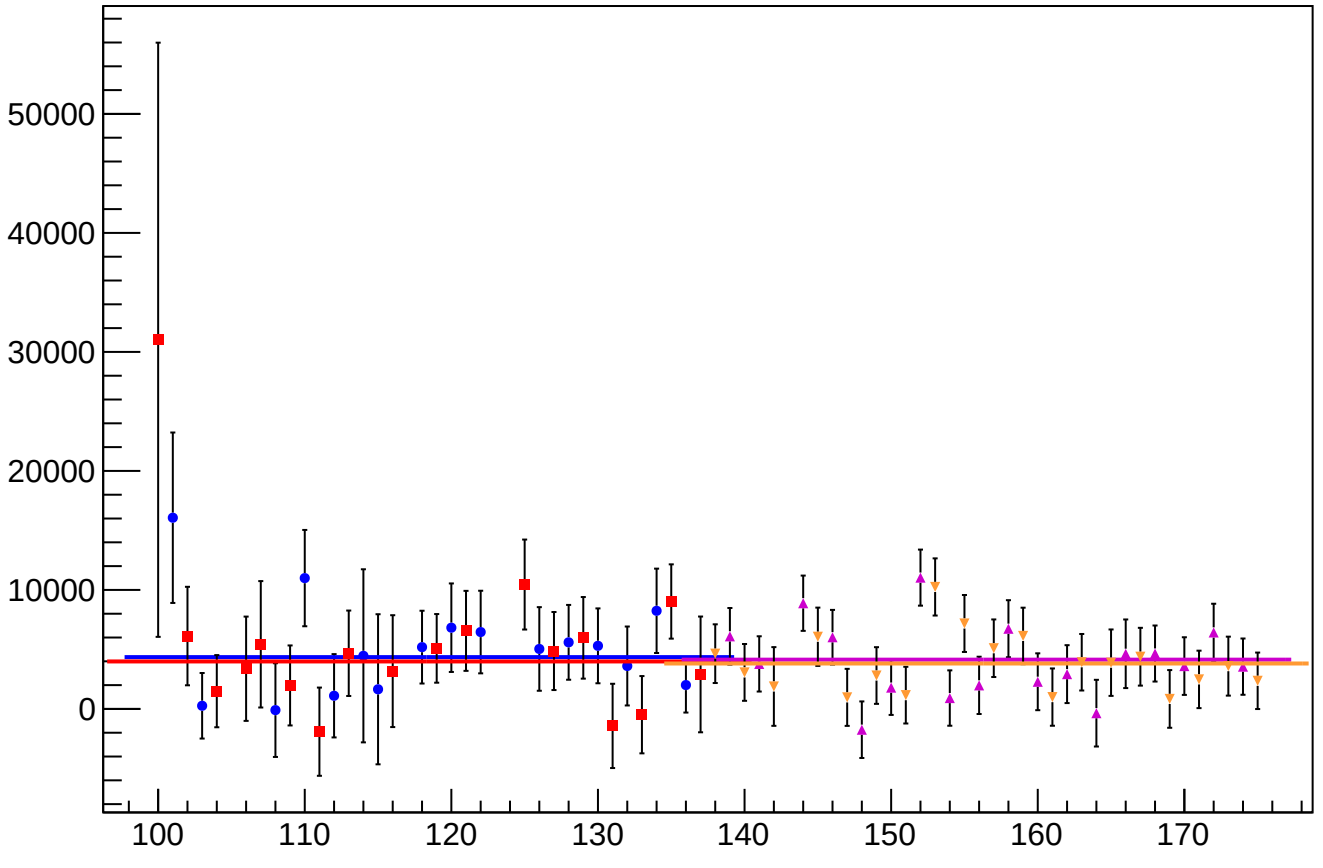
Left: 1962.381+/-0.261 χ^2/NDF: 2601684.7/36

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1874.745+/-0.290 χ^2/NDF:2049012.3/33

Out: 1811.738+/-0.284 χ^2/NDF:3142004.9/36

All: 1842.592+/-0.203 χ^2/NDF: 5215072.1/70



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4139.865+/-567.141 χ^2/NDF:29.7/17

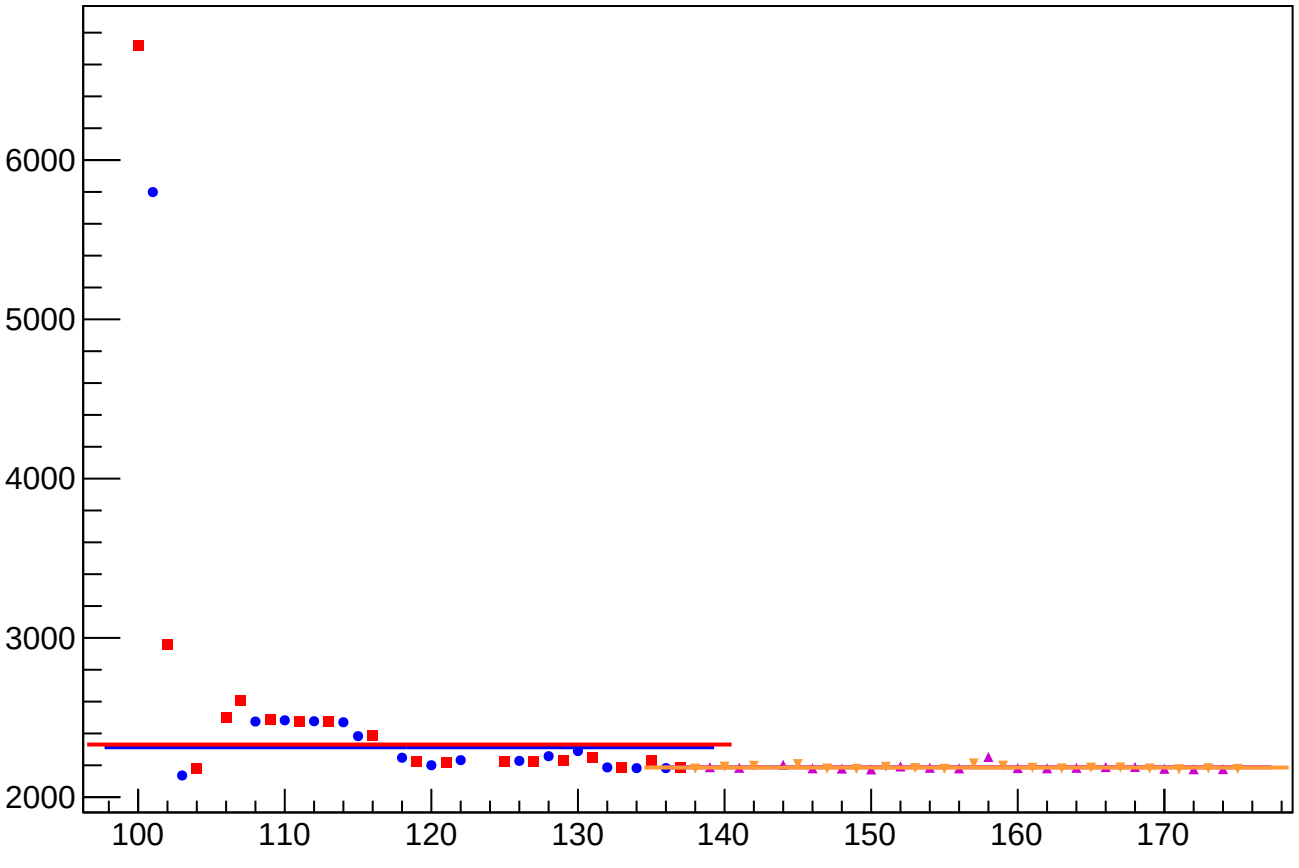
Left: 3977.507+/-399.674 χ^2/NDF: 48.1/36

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4203.100+/-475.940 χ^2/NDF:43.1/33

Out: 3868.181+/-473.089 χ^2/NDF:34.4/36

All: 4034.634+/-335.528 χ^2/NDF: 77.7/70



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

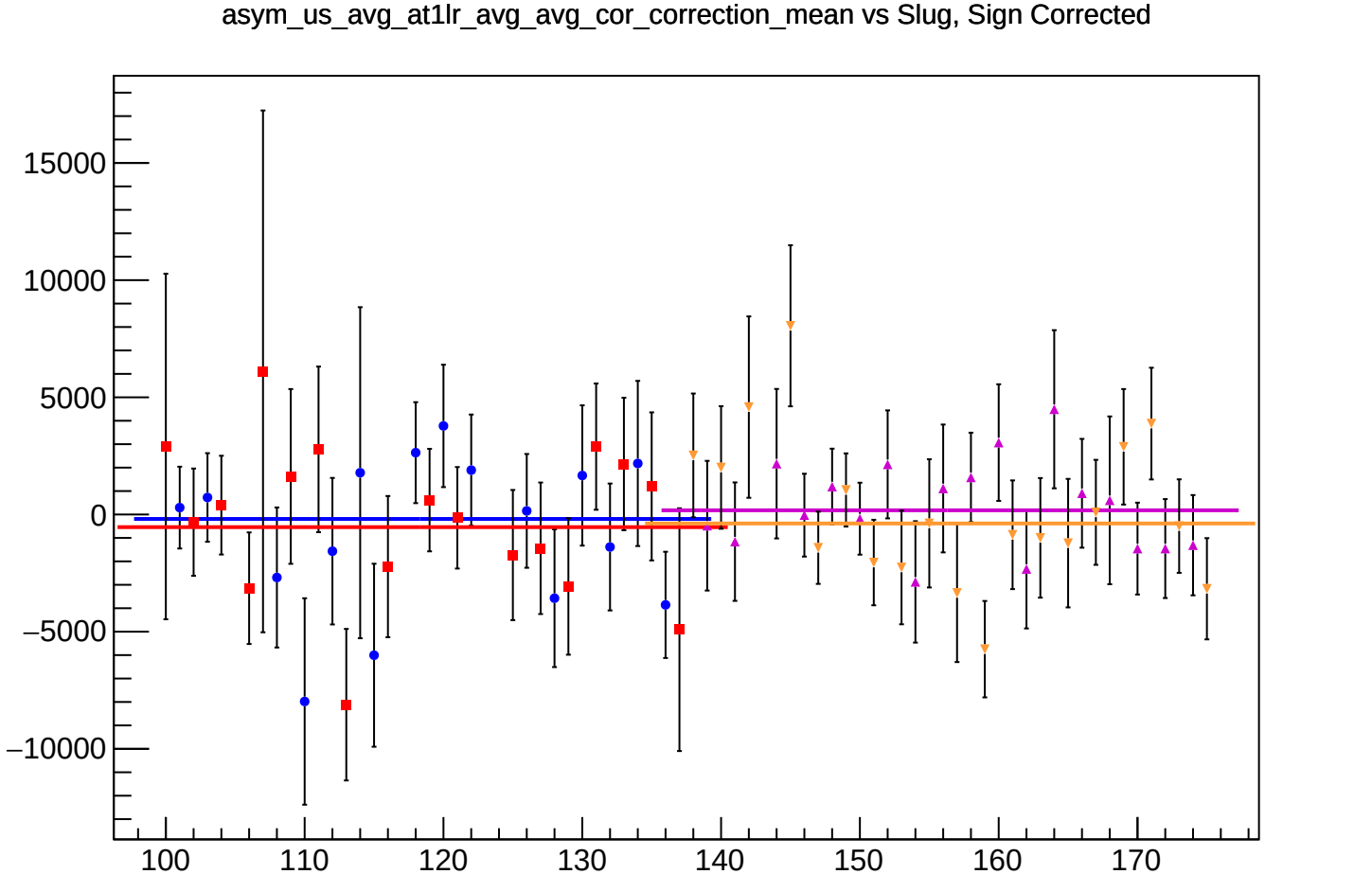
Left: 2186.955+/-0.283 χ^2/NDF: 2502.9/36

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

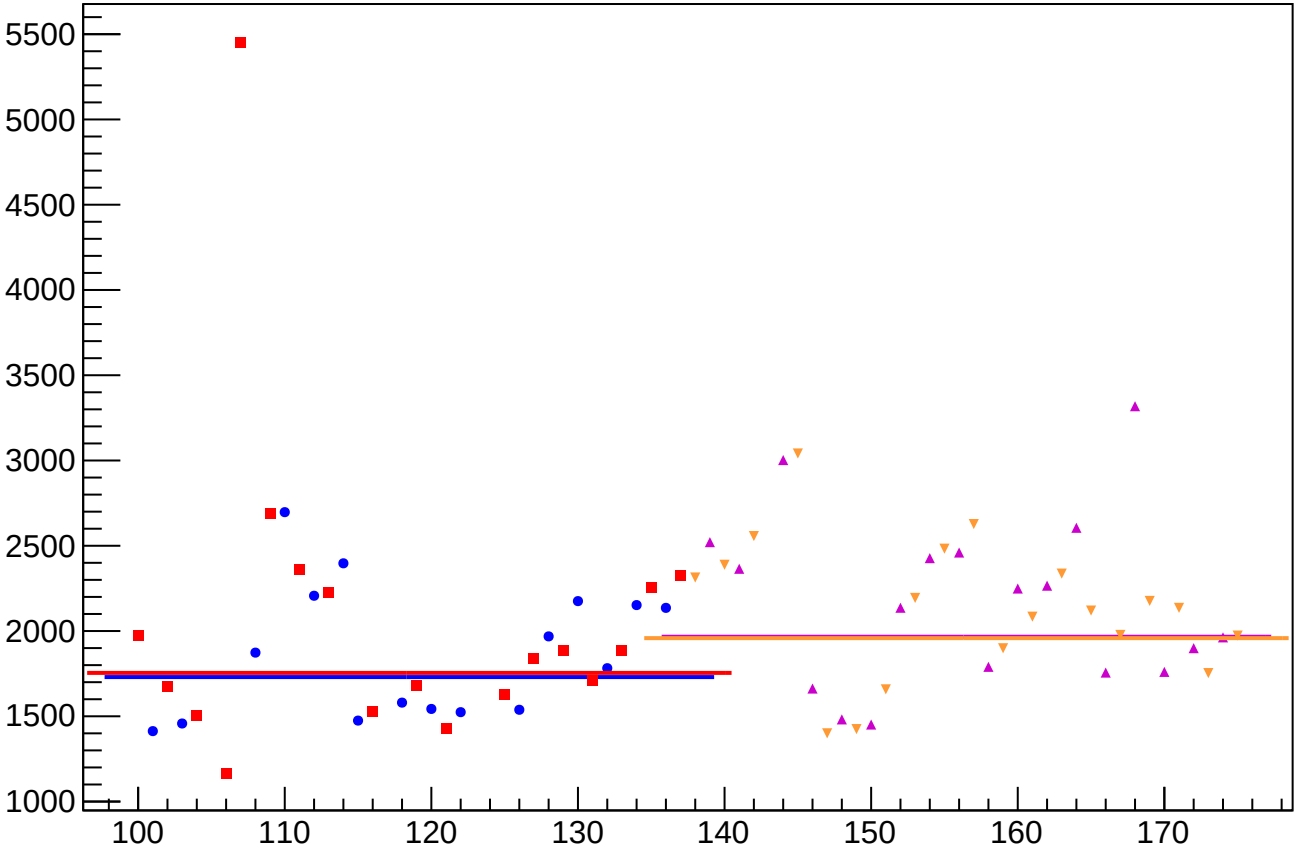
In: 2224.976+/-0.337 χ^2/NDF:543231.2/33

Out: 2228.667+/-0.335 χ^2/NDF:190965.9/36

All: 2226.833+/-0.237 χ^2/NDF: 734257.6/70


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -383.532+/-519.447 χ²/NDF:27.1/18
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 178.605+/-524.890 χ²/NDF:9.8/17
Left: -105.393+/-369.214 χ²/NDF: 37.5/36
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 35.409+/-410.379 χ²/NDF:26.4/33
Out: -441.203+/-412.388 χ²/NDF:41.1/36
All: -201.733+/-290.890 χ²/NDF: 68.1/70

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

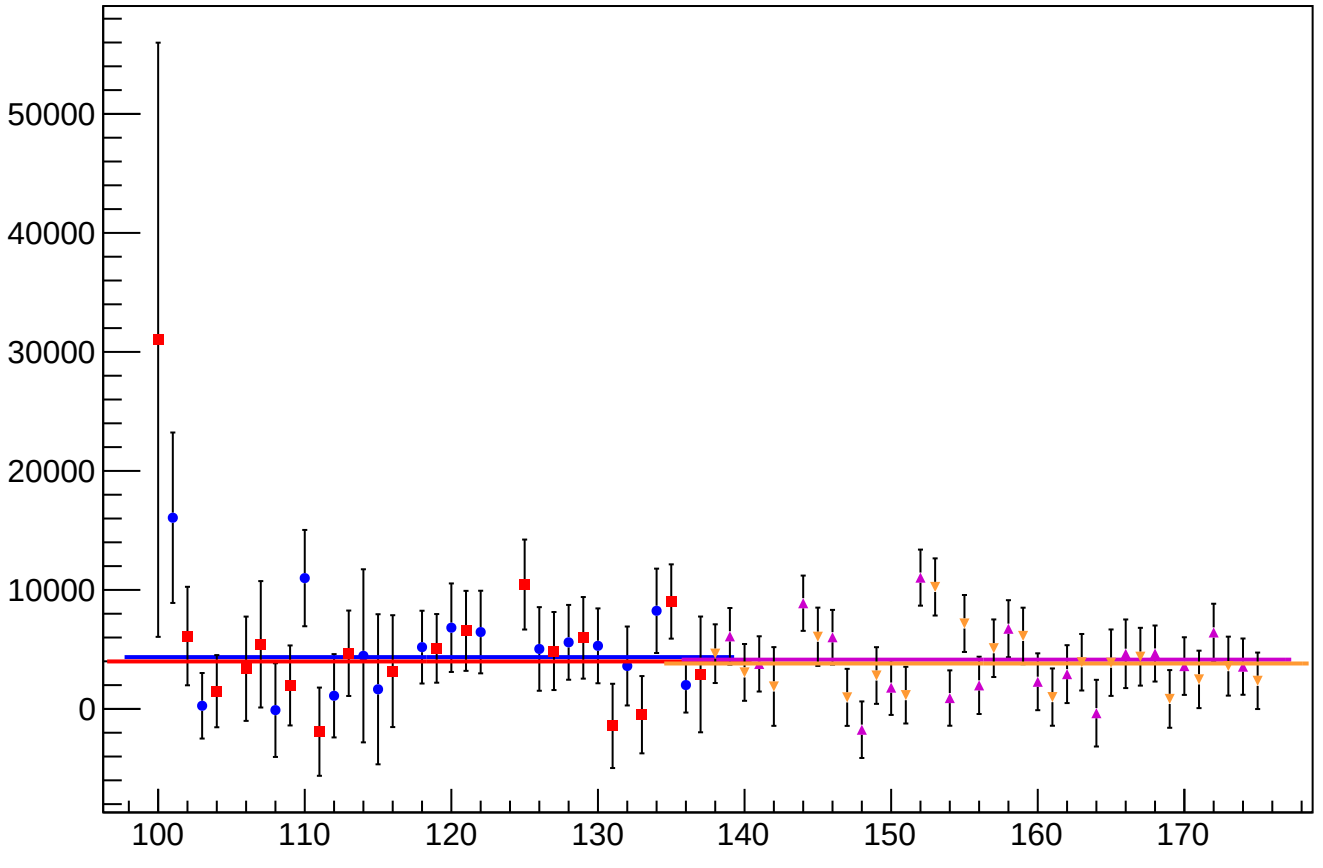
Left: 1962.382+/-0.261 χ^2/NDF: 2601748.2/36

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1874.575+/-0.290 χ^2/NDF:2050566.7/33

Out: 1882.941+/-0.292 χ^2/NDF:2053674.8/36

All: 1878.737+/-0.206 χ^2/NDF: 4104655.0/70



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4139.865+/-567.141 χ^2/NDF:29.7/17

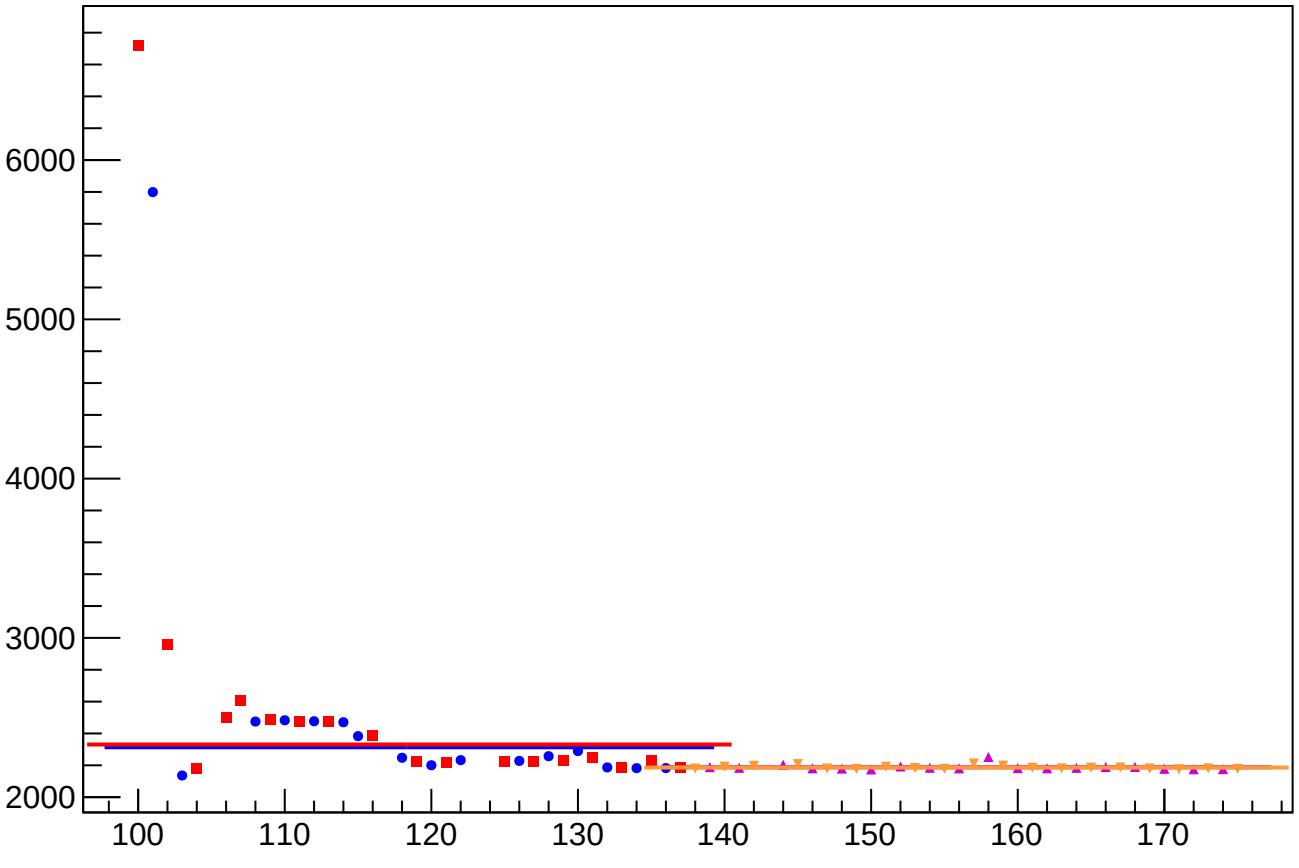
Left: 3977.507+/-399.674 χ^2/NDF: 48.1/36

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4203.100+/-475.940 χ^2/NDF:43.1/33

Out: 3868.181+/-473.089 χ^2/NDF:34.4/36

All: 4034.634+/-335.528 χ^2/NDF: 77.7/70



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

Left: 2186.955+/-0.283 χ^2/NDF: 2502.9/36

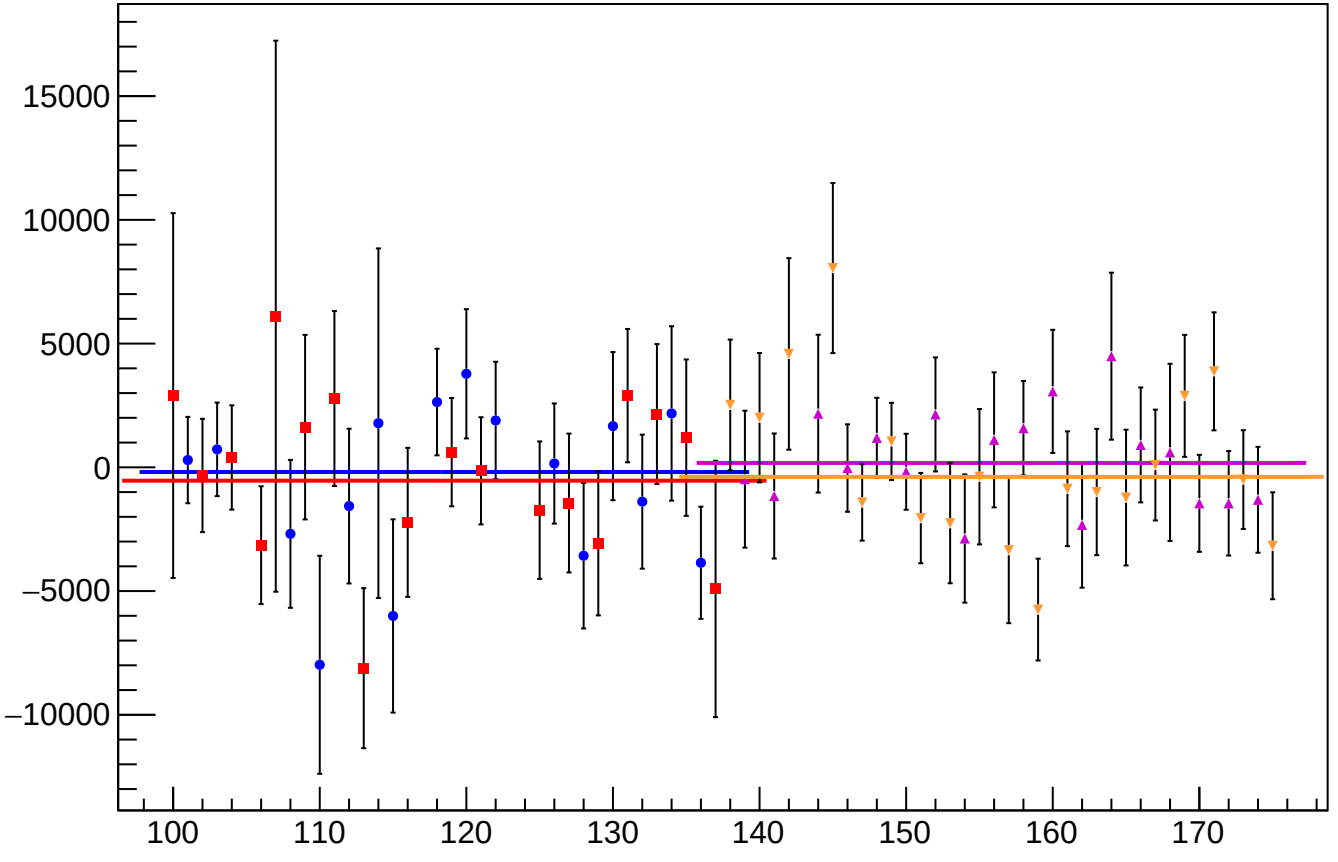
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2224.976+/-0.337 χ^2/NDF:543231.2/33

Out: 2228.667+/-0.335 χ^2/NDF:190965.9/36

All: 2226.833+/-0.237 χ^2/NDF: 734257.6/70

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 178.605+/-524.890 χ^2/NDF:9.8/17

Left: -105.393+/-369.214 χ^2/NDF: 37.5/36

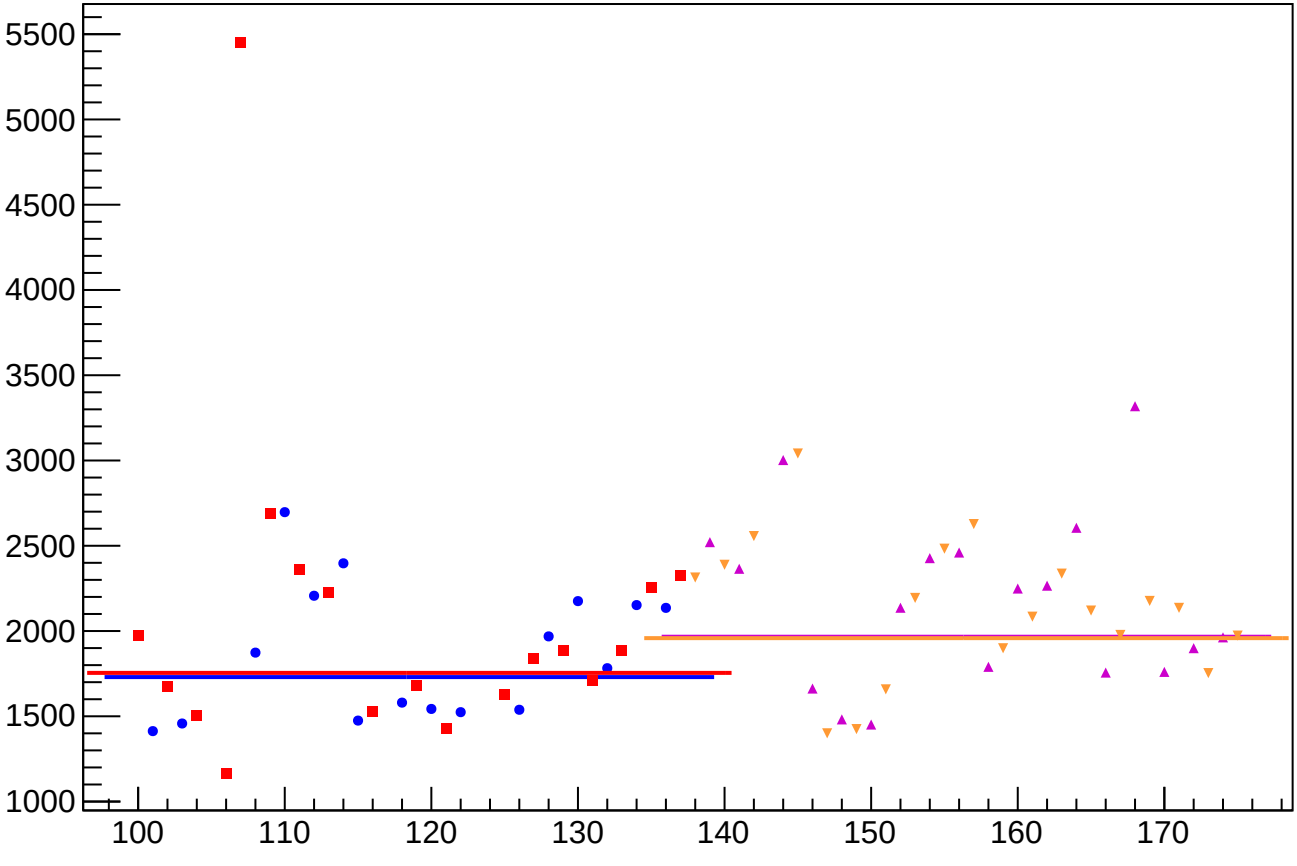
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 35.409+/-410.379 χ^2/NDF:26.4/33

Out: -441.203+/-412.388 χ^2/NDF:41.1/36

All: -201.733+/-290.890 χ^2/NDF: 68.1/70

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

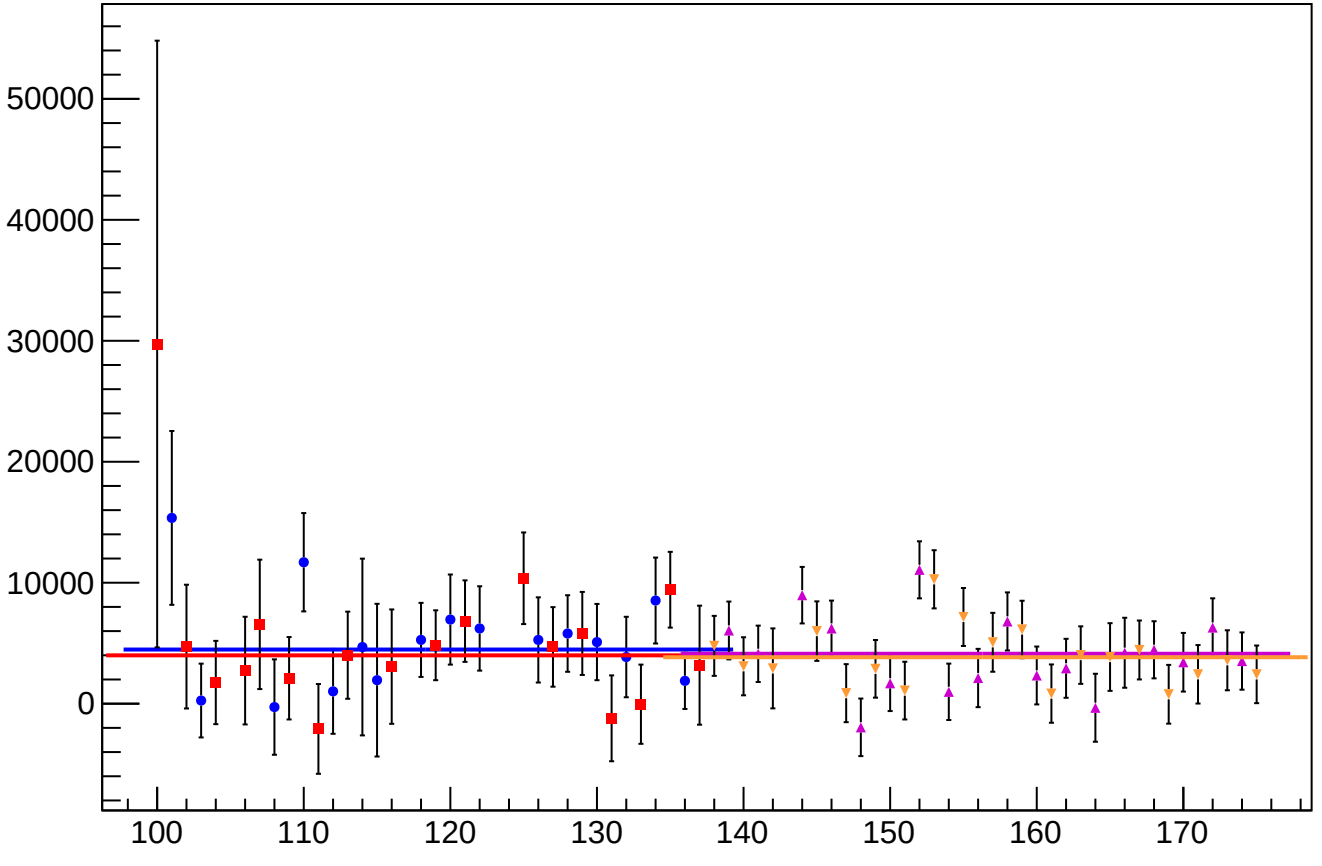
Left: 1962.382+/-0.261 χ^2/NDF: 2601748.2/36

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1874.575+/-0.290 χ^2/NDF:2050566.7/33

Out: 1882.941+/-0.292 χ^2/NDF:2053674.8/36

All: 1878.737+/-0.206 χ^2/NDF: 4104655.0/70



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3840.004+/-564.704 χ^2/NDF:18.3/18

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4127.236+/-568.391 χ^2/NDF:30.1/17

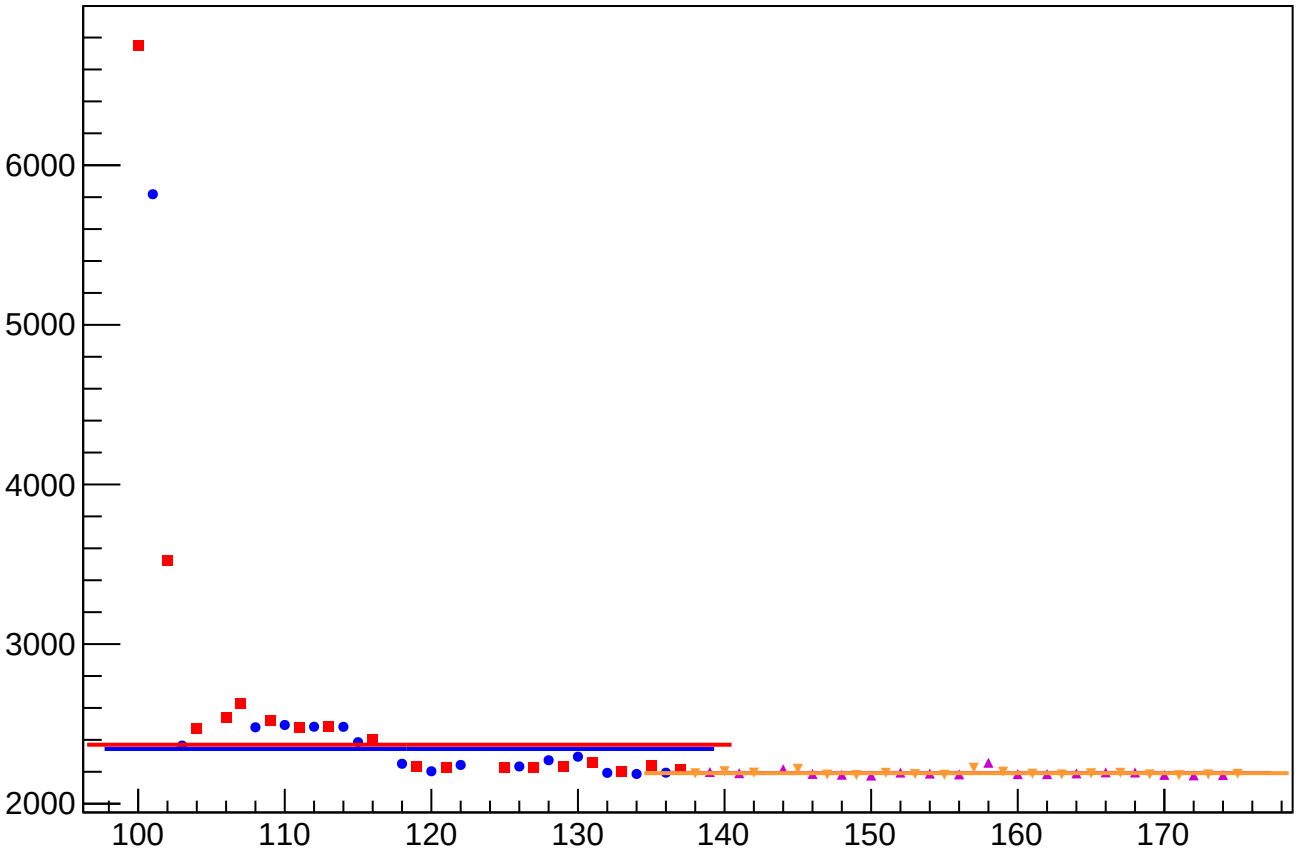
Left: 3982.686+/-400.603 χ^2/NDF: 48.6/36

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4229.033+/-478.422 χ^2/NDF:43.8/33

Out: 3884.693+/-476.889 χ^2/NDF:33.8/36

All: 4056.311+/-337.752 χ^2/NDF: 77.9/70



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

Left: 2191.969+/-0.283 χ^2/NDF: 3035.2/36

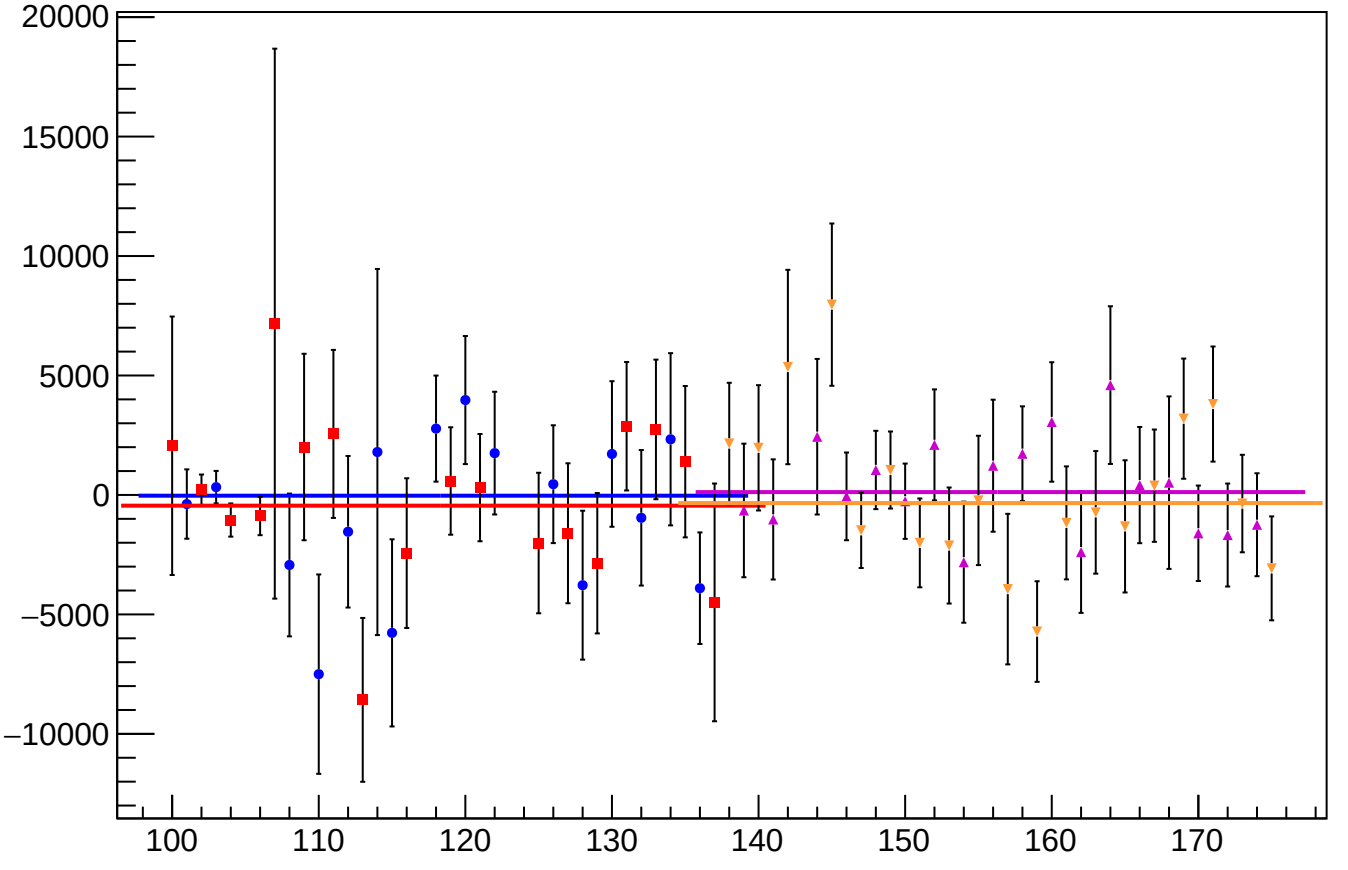
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2236.419+/-0.338 χ^2/NDF:545701.6/33

Out: 2242.468+/-0.337 χ^2/NDF:268260.4/36

All: 2239.453+/-0.239 χ^2/NDF: 814122.4/70

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -339.490+/-528.486 χ^2/NDF:27.0/18

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 119.648+/-533.599 χ^2/NDF:10.1/17

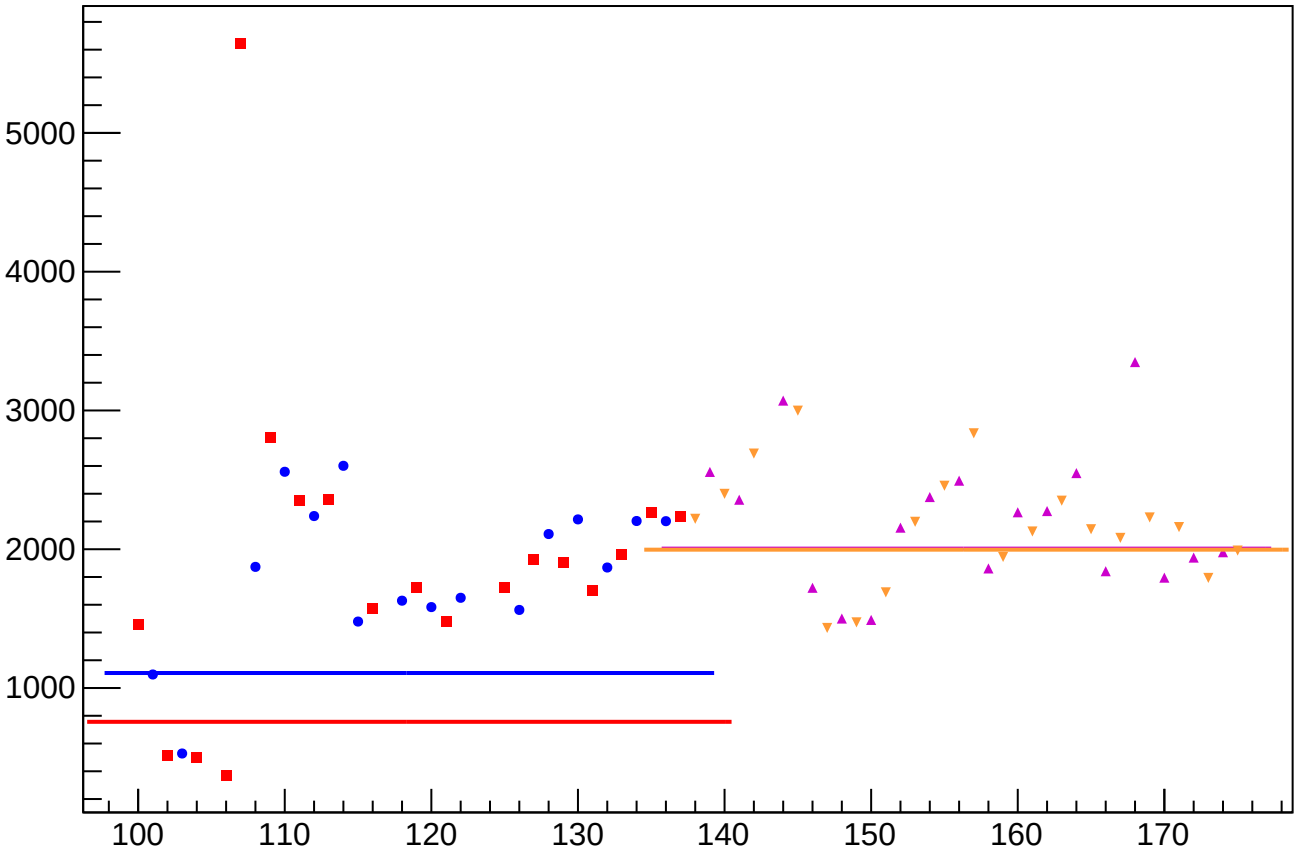
Left: -112.131+/-375.491 χ^2/NDF: 37.5/36

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 36.988+/-359.034 χ^2/NDF:26.5/33

Out: -413.450+/-298.975 χ^2/NDF:42.1/36

All: -229.005+/-229.748 χ^2/NDF: 69.5/70



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1996.883+/-0.374 χ^2/NDF:1128966.5/18

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2004.425+/-0.377 χ^2/NDF:1315028.7/17

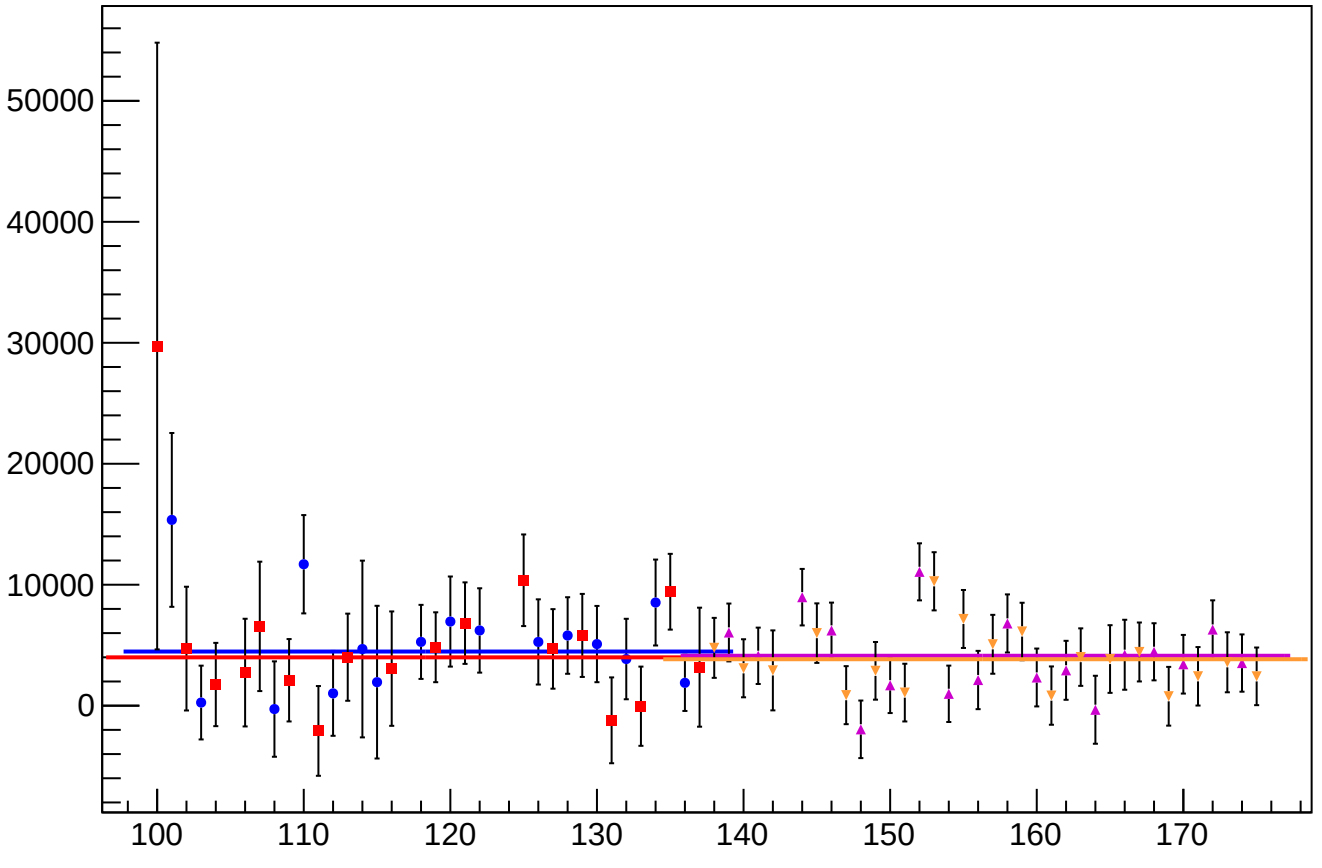
Left: 2000.617+/-0.266 χ^2/NDF: 2444196.8/36

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1513.917+/-0.254 χ^2/NDF:8149615.2/33

Out: 1153.415+/-0.211 χ^2/NDF:14224492.9/36

All: 1301.033+/-0.162 χ^2/NDF: 23564828.1/7



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3840.003+/-564.704 χ^2/NDF:18.3/18

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4127.237+/-568.391 χ^2/NDF:30.1/17

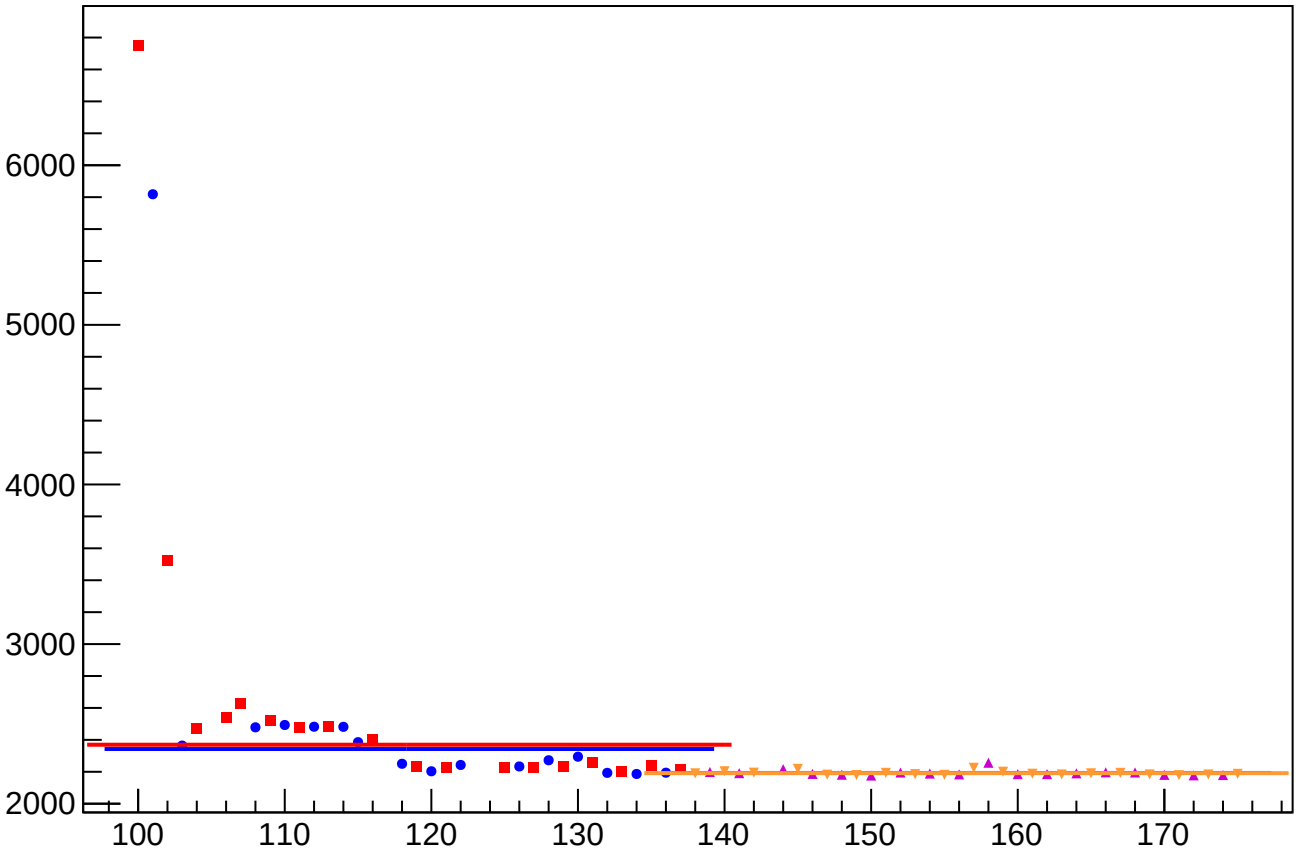
Left: 3982.685+/-400.603 χ^2/NDF: 48.6/36

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4229.033+/-478.421 χ^2/NDF:43.8/33

Out: 3884.691+/-476.889 χ^2/NDF:33.8/36

All: 4056.310+/-337.752 χ^2/NDF: 77.9/70



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

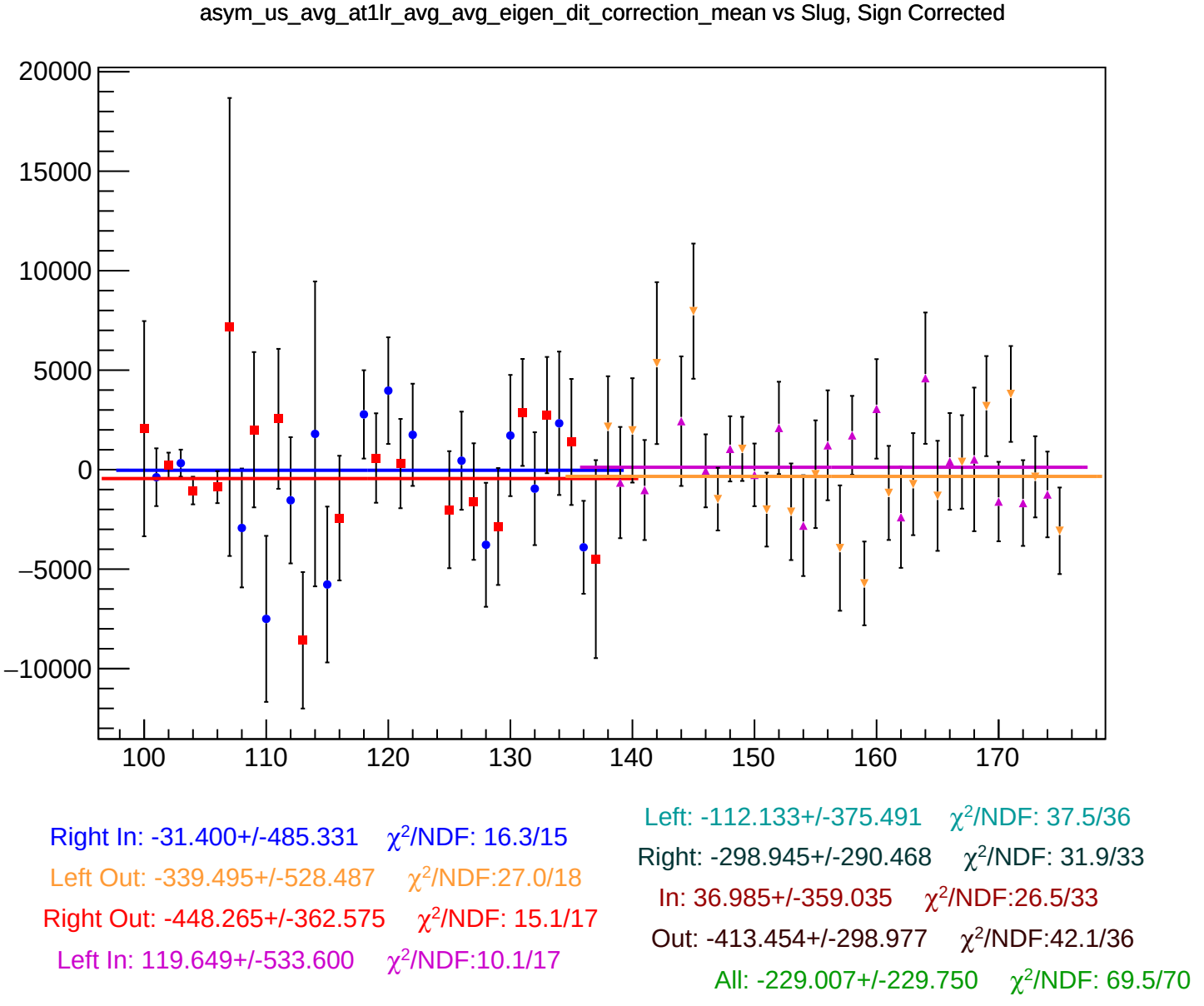
Left: 2191.969+/-0.283 χ^2/NDF: 3035.2/36

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

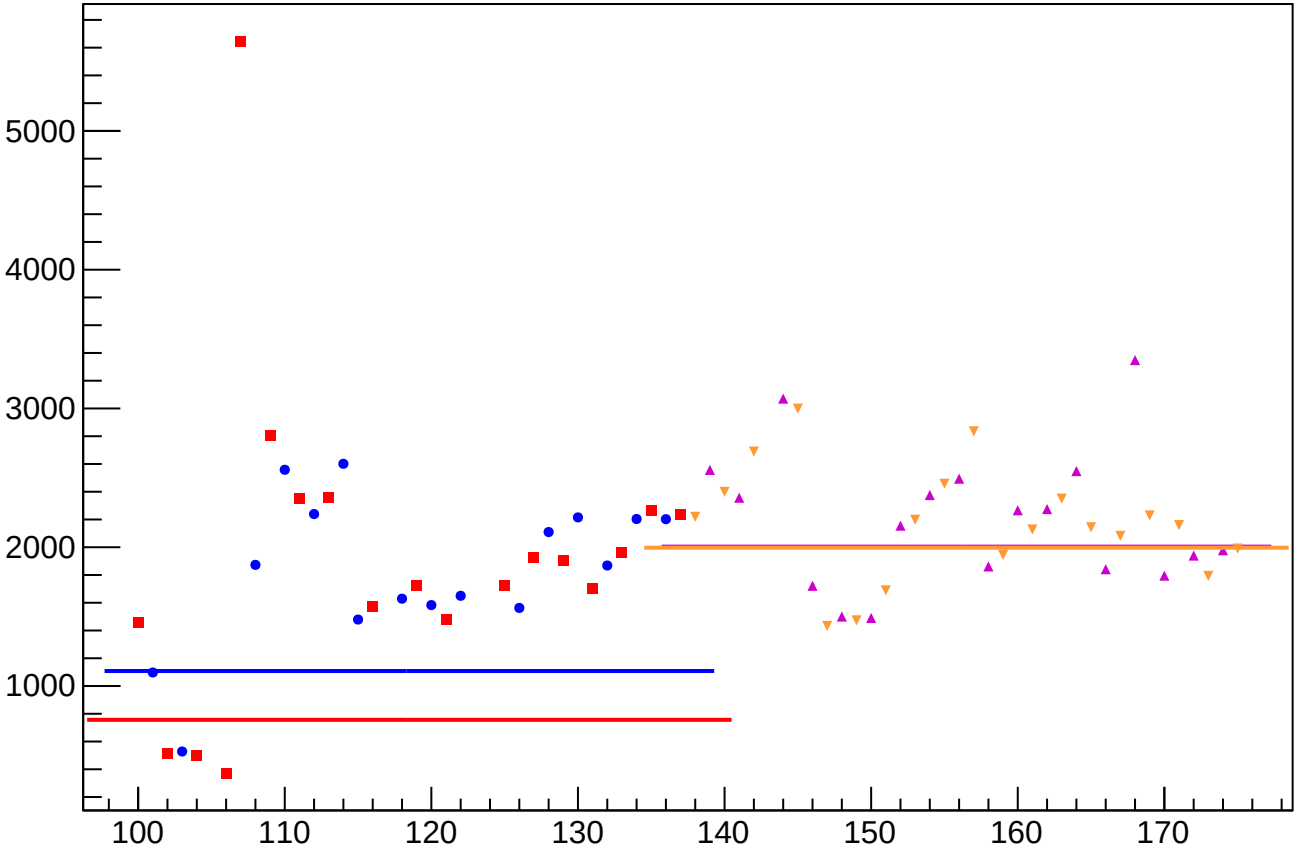
In: 2236.419+/-0.338 χ^2/NDF:545701.4/33

Out: 2242.468+/-0.337 χ^2/NDF:268258.9/36

All: 2239.453+/-0.239 χ^2/NDF: 814120.7/70


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -339.495+/-528.487 χ²/NDF:27.0/18
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 119.649+/-533.600 χ²/NDF:10.1/17
Left: -112.133+/-375.491 χ²/NDF: 37.5/36
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 36.985+/-359.035 χ²/NDF:26.5/33
Out: -413.454+/-298.977 χ²/NDF:42.1/36
All: -229.007+/-229.750 χ²/NDF: 69.5/70

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1996.886+/-0.374 χ^2/NDF:1128966.6/18

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2004.428+/-0.377 χ^2/NDF:1315027.7/17

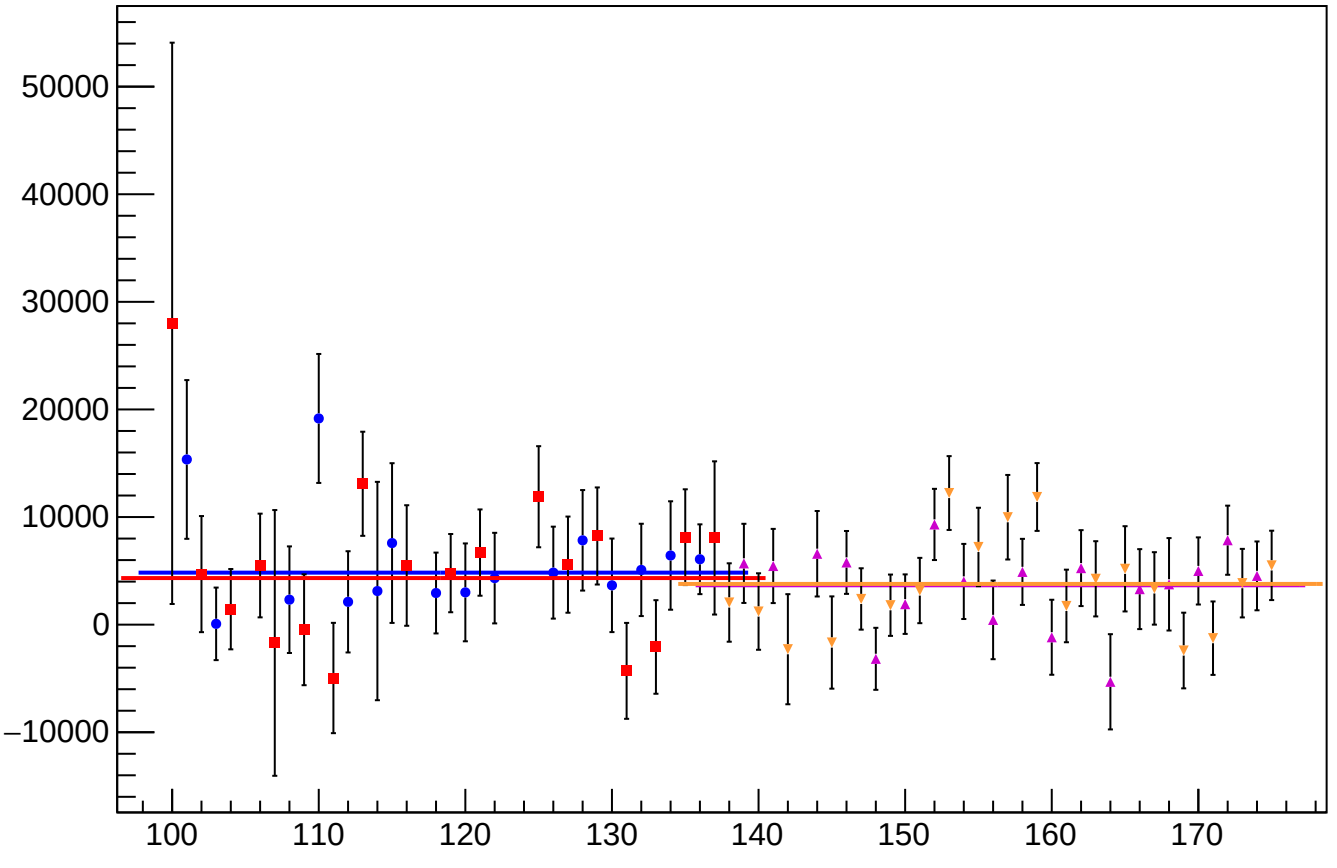
Left: 2000.621+/-0.266 χ^2/NDF: 2444196.0/36

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1513.926+/-0.254 χ^2/NDF:8149476.3/33

Out: 1153.432+/-0.211 χ^2/NDF:14224155.1/36

All: 1301.048+/-0.162 χ^2/NDF: 23564278.2/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3784.072+/-787.946 χ^2/NDF:26.6/18

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3658.774+/-795.050 χ^2/NDF:19.7/17

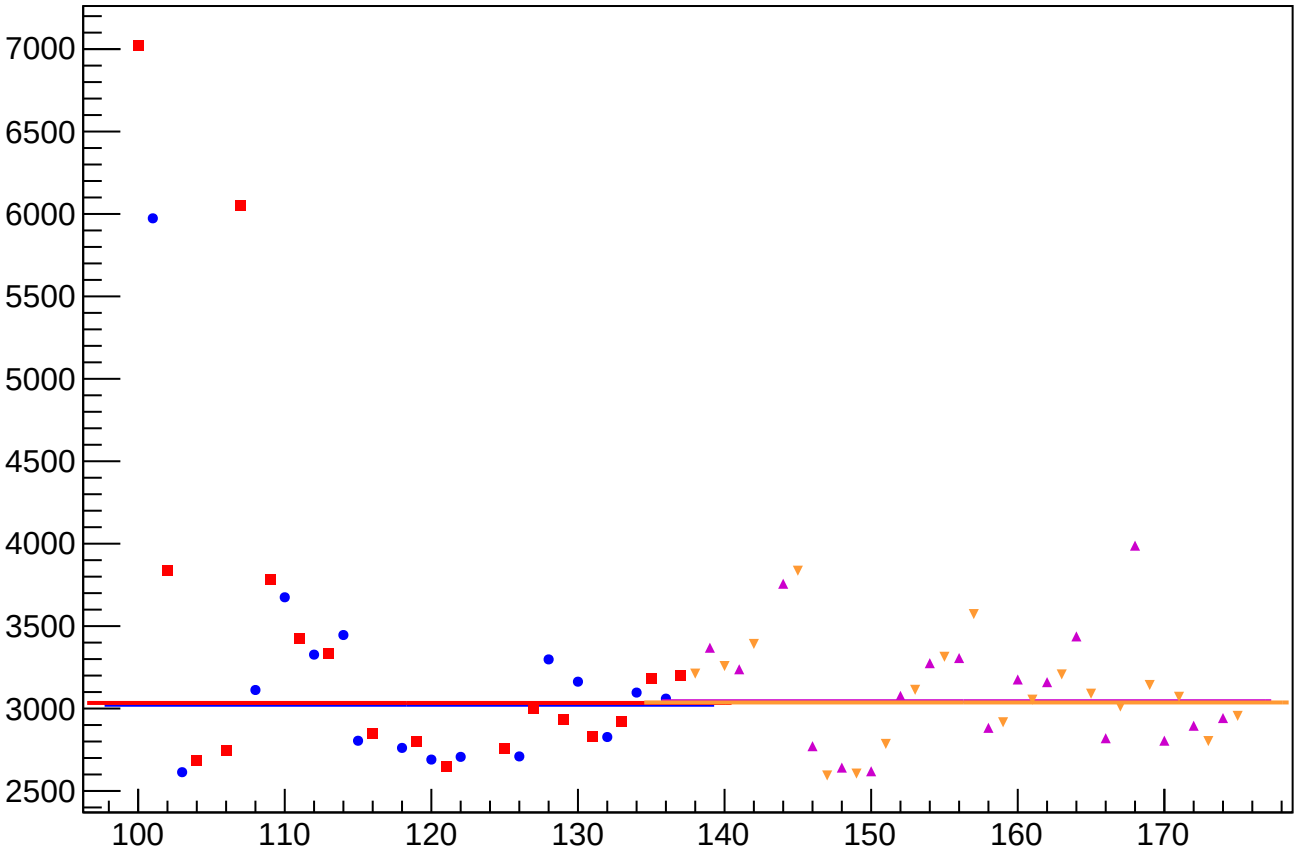
Left: 3721.985+/-559.657 χ^2/NDF: 46.4/36

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4042.127+/-652.596 χ^2/NDF:32.1/33

Out: 3959.165+/-649.016 χ^2/NDF:46.7/36

All: 4000.418+/-460.184 χ^2/NDF: 78.8/70



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3036.830+/-0.557 χ^2/NDF:271240.4/18

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.461+/-0.562 χ^2/NDF:357411.3/17

Left: 3040.611+/-0.396 χ^2/NDF: 628744.7/36

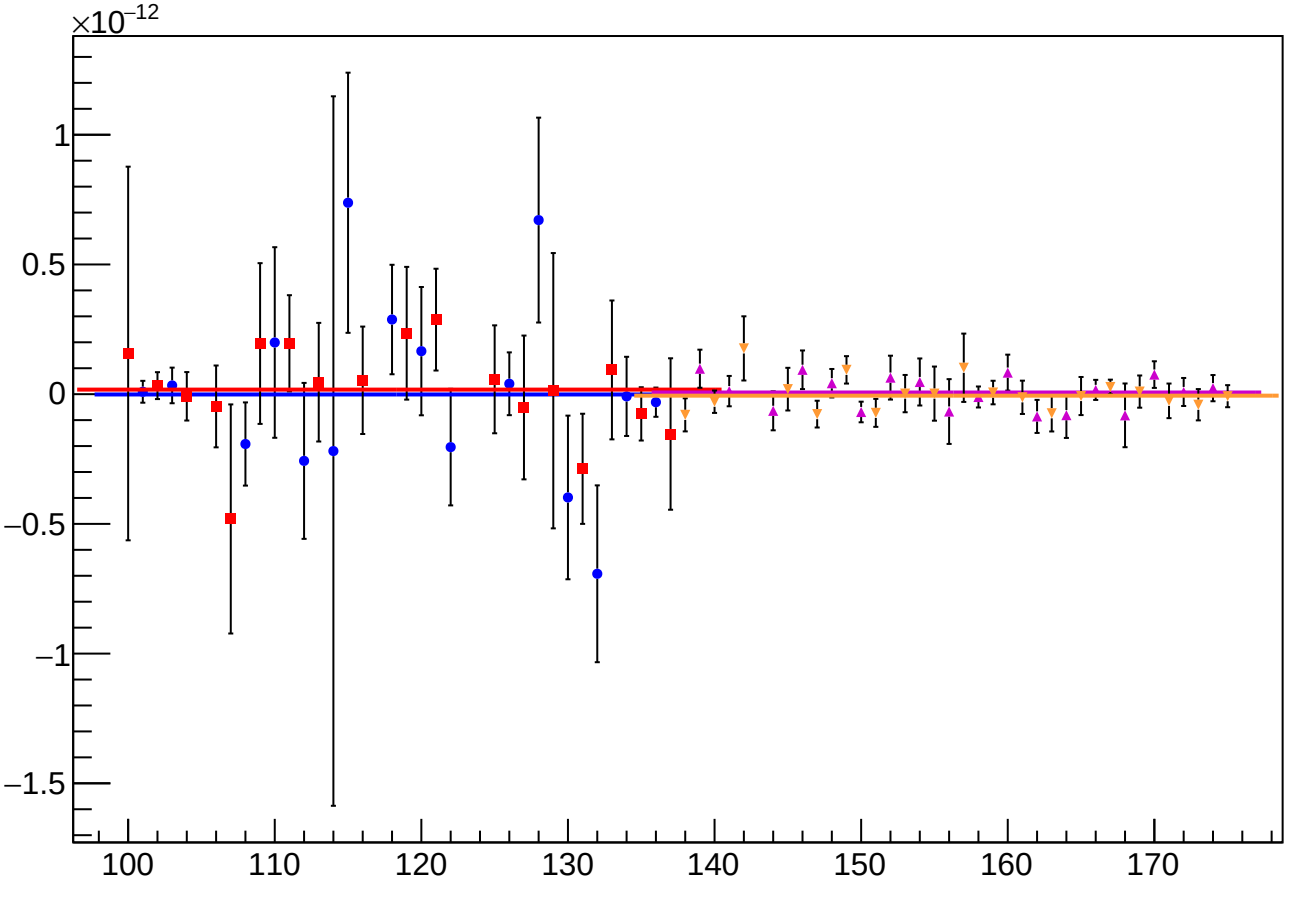
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3037.481+/-0.461 χ^2/NDF:801589.5/33

Out: 3035.878+/-0.459 χ^2/NDF:613924.2/36

All: 3036.675+/-0.325 χ^2/NDF: 1415519.7/70

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

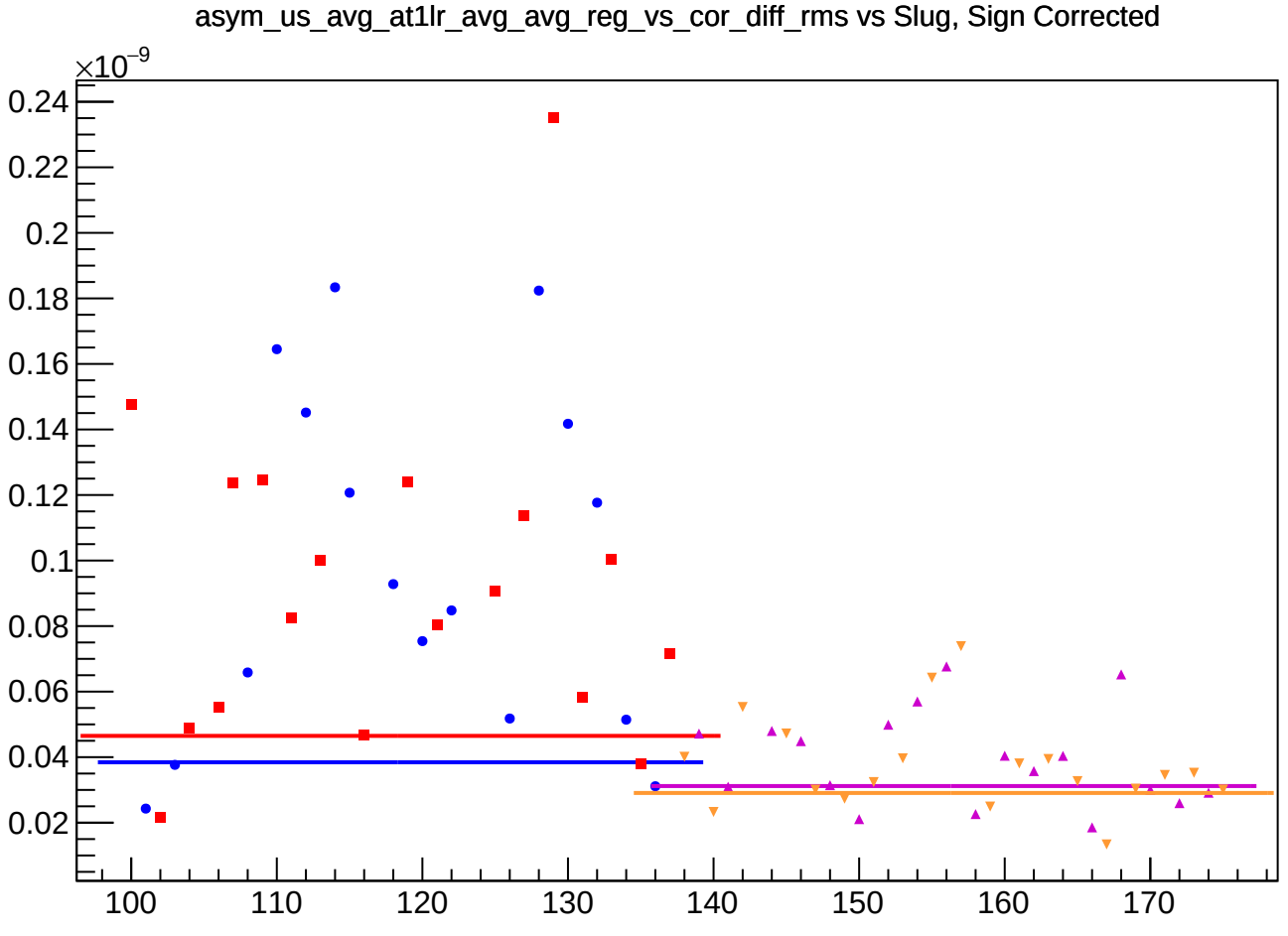
Left: -0.000+/-0.000 χ^2/NDF: 30.7/36

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

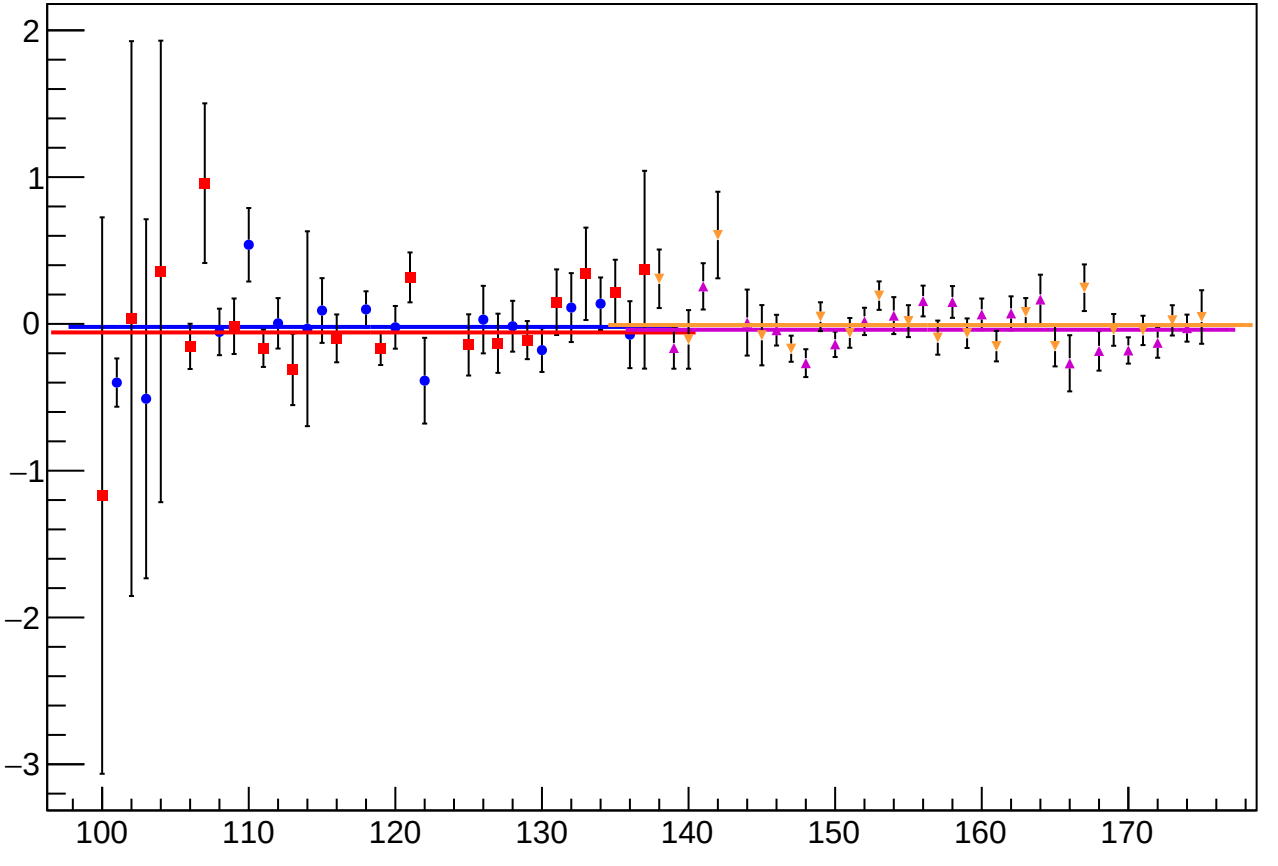
In: 0.000+/-0.000 χ^2/NDF:33.0/33

Out: -0.000+/-0.000 χ^2/NDF:23.8/36

All: 0.000+/-0.000 χ^2/NDF: 57.0/70


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1550687.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:1369633.3/17
Left: 0.000+/-0.000 χ²/NDF: 2945249.1/36
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:3253583.8/33
Out: 0.000+/-0.000 χ²/NDF:3695464.5/36
All: 0.000+/-0.000 χ²/NDF: 6964192.1/70

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

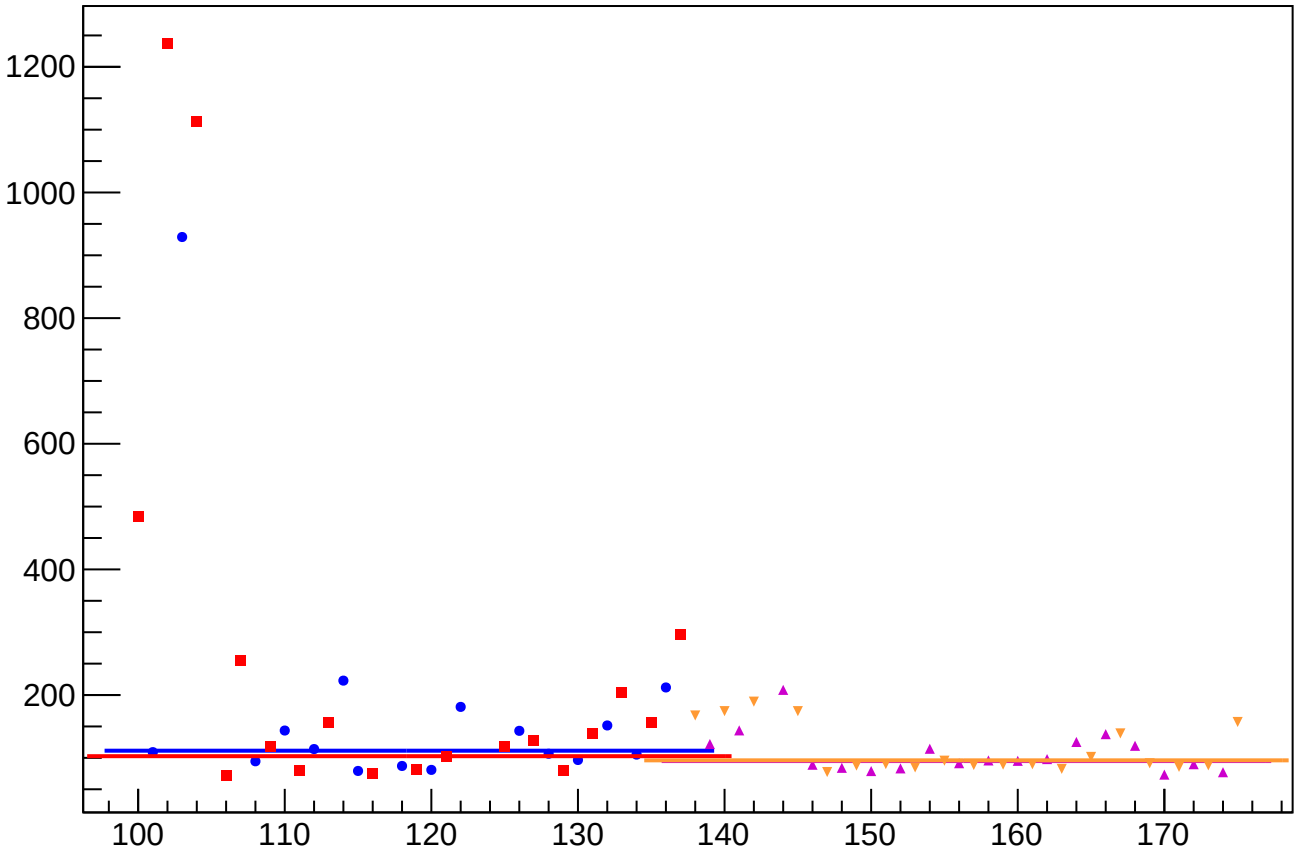
Left: -0.024+/-0.019 χ^2/NDF: 51.9/36

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.028+/-0.016 χ^2/NDF: 84.8/70



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.053+/-0.019 χ^2/NDF:1666805.6/18

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 94.910+/-0.019 χ^2/NDF:1381847.0/17

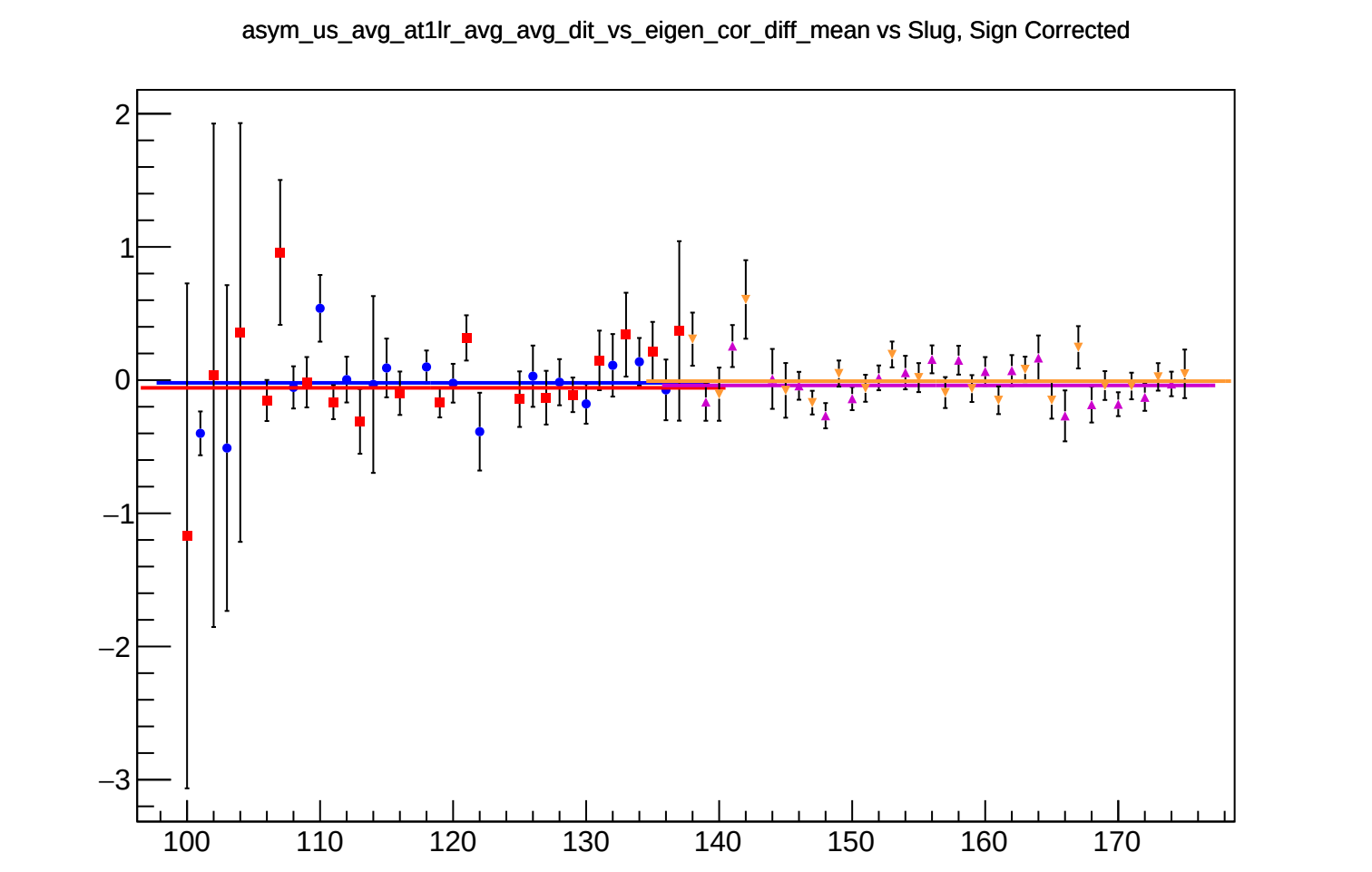
Left: 95.474+/-0.013 χ^2/NDF: 3050477.1/36

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.824+/-0.016 χ^2/NDF:3404205.5/33

Out: 97.720+/-0.016 χ^2/NDF:4524110.9/36

All: 98.275+/-0.012 χ^2/NDF: 7930572.3/70



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

Left: -0.024+/-0.019 χ^2/NDF: 51.9/36

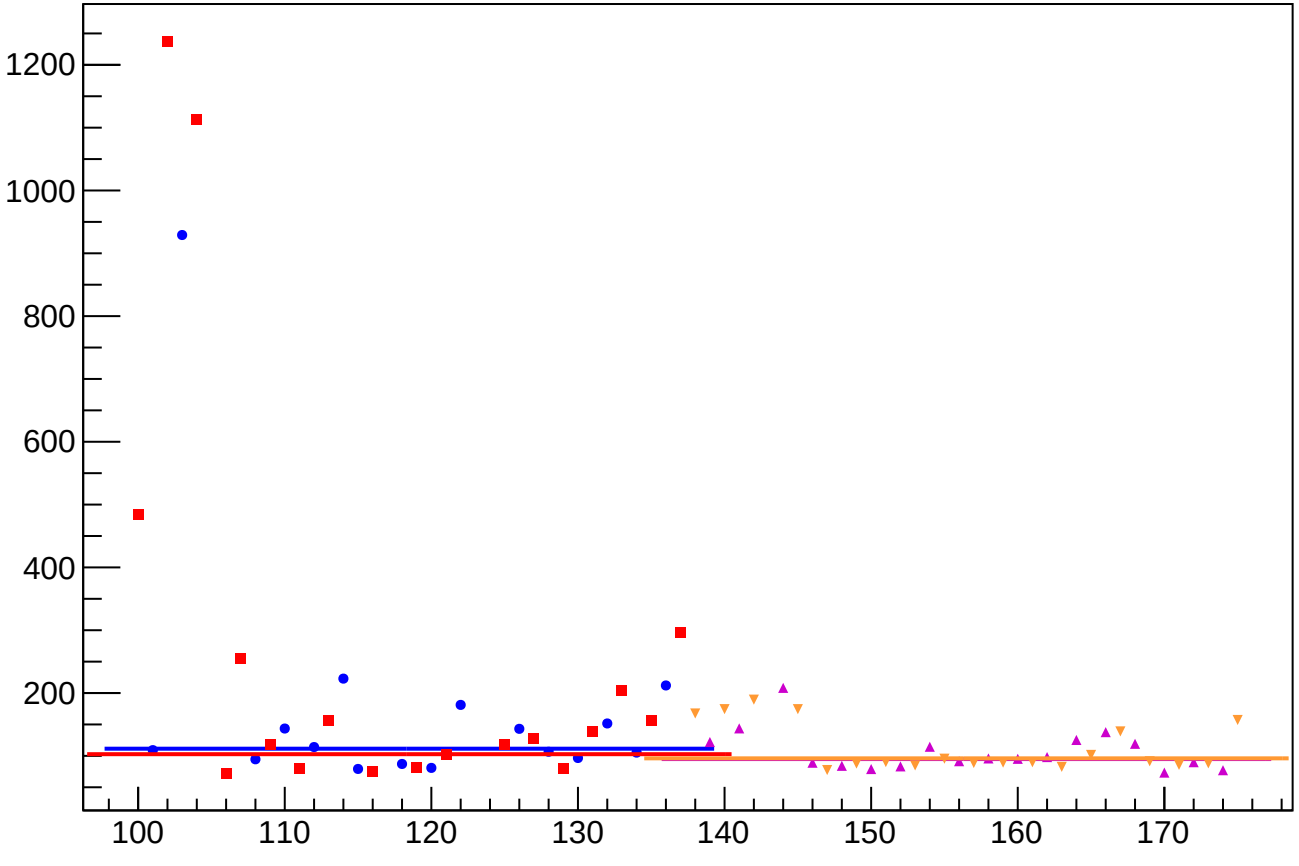
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.028+/-0.016 χ^2/NDF: 84.8/70

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.053+/-0.019 χ^2/NDF:1666805.6/18

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 94.910+/-0.019 χ^2/NDF:1381847.0/17

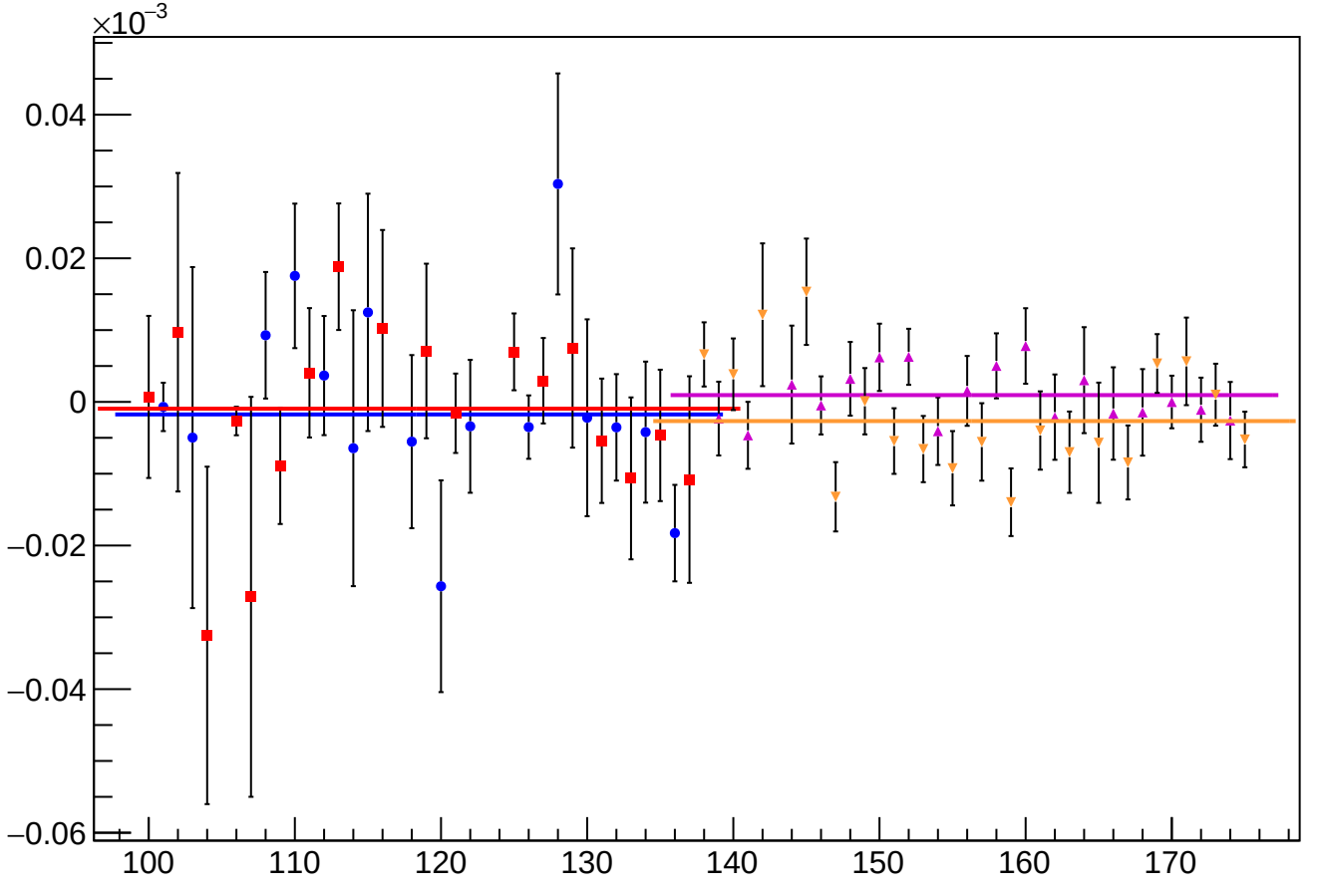
Left: 95.474+/-0.013 χ^2/NDF: 3050477.1/36

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.824+/-0.016 χ^2/NDF:3404205.5/33

Out: 97.720+/-0.016 χ^2/NDF:4524110.9/36

All: 98.275+/-0.012 χ^2/NDF: 7930572.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/17

Left: -0.000+/-0.000 χ^2/NDF: 52.1/36

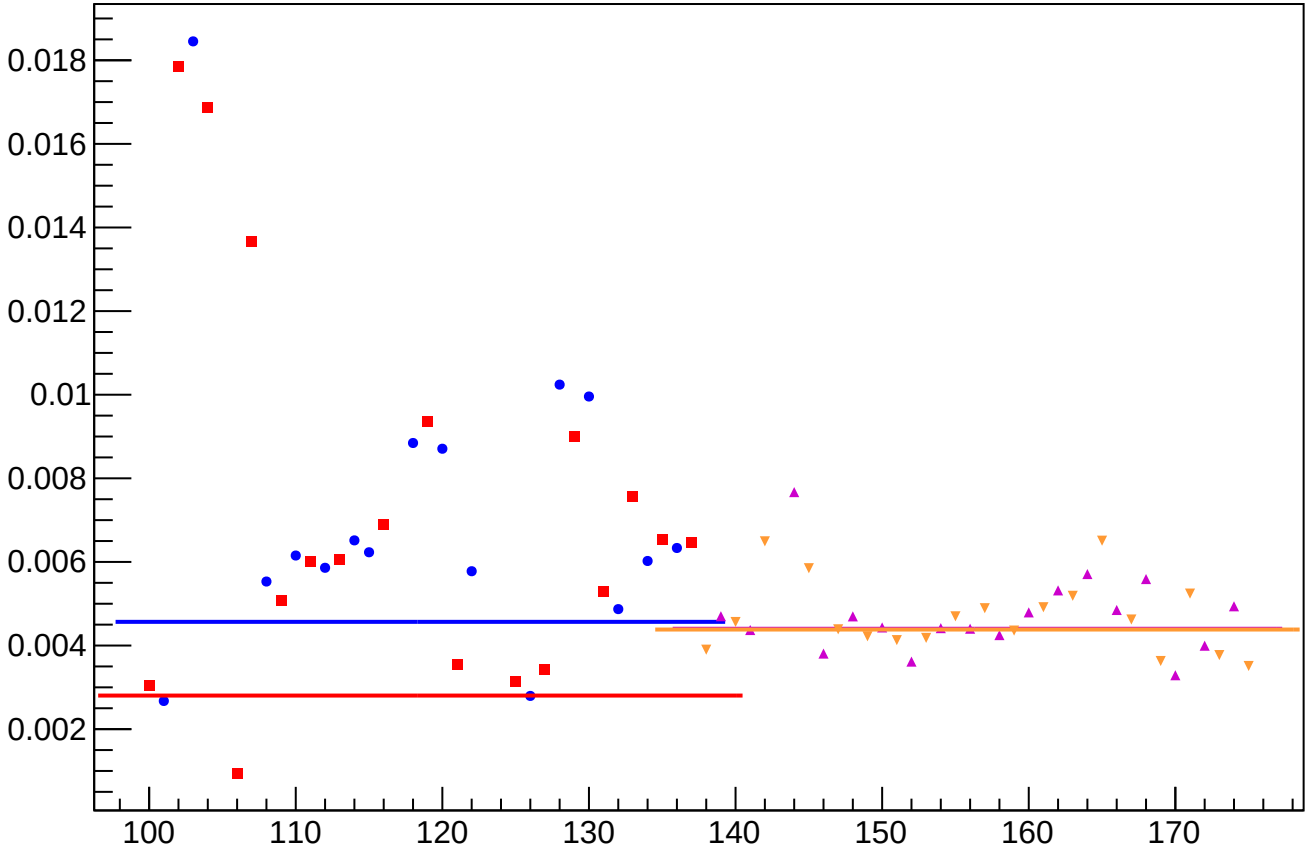
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.8/33

Out: -0.000+/-0.000 χ^2/NDF:53.5/36

All: -0.000+/-0.000 χ^2/NDF: 88.1/70

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:674227.5/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:887090.9/17

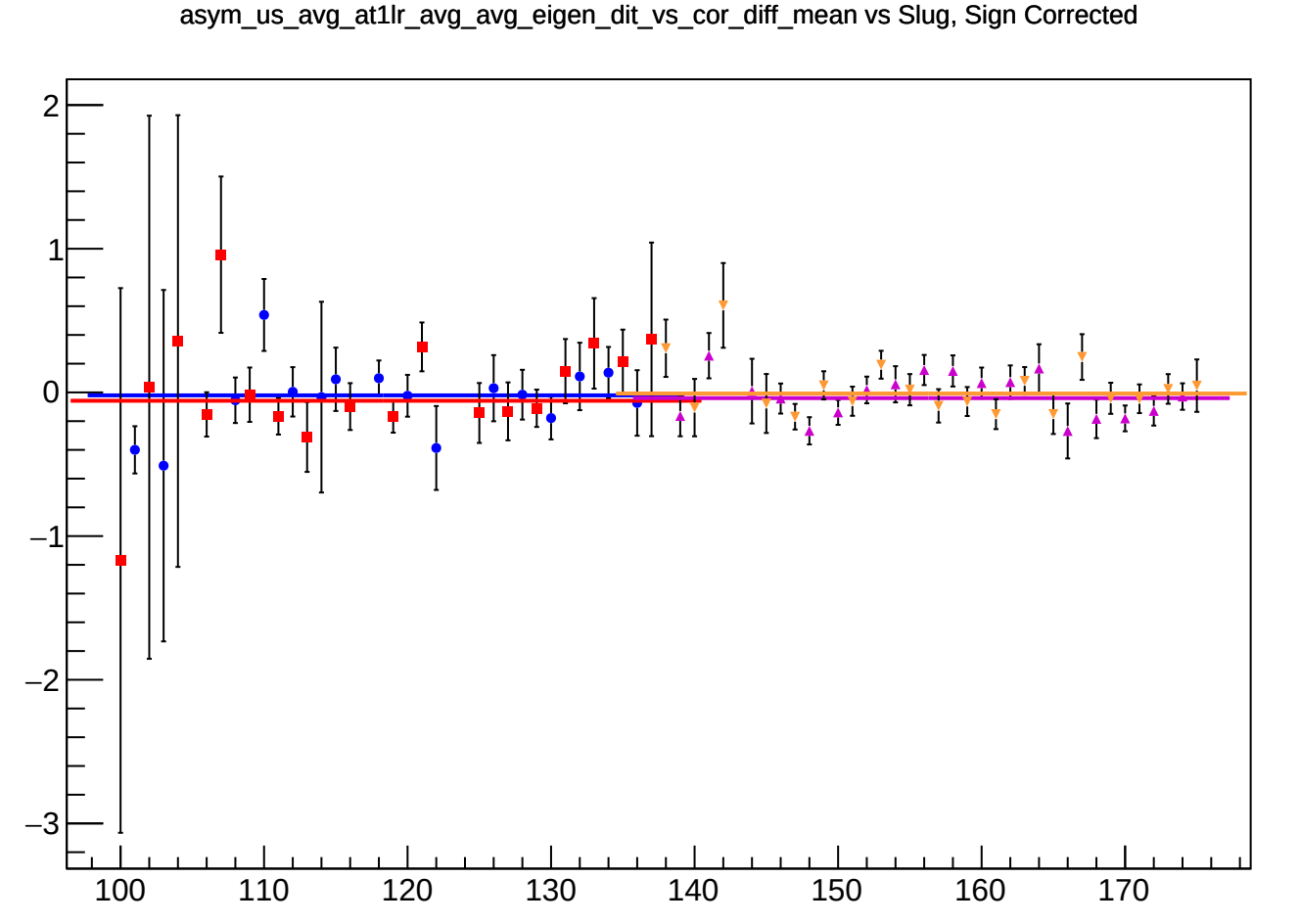
Left: 0.004+/-0.000 χ^2/NDF: 1561570.0/36

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3910129.4/33

Out: 0.004+/-0.000 χ^2/NDF:8698222.5/36

All: 0.004+/-0.000 χ^2/NDF: 13091825.2/70



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

Left: -0.024+/-0.019 χ^2/NDF: 51.9/36

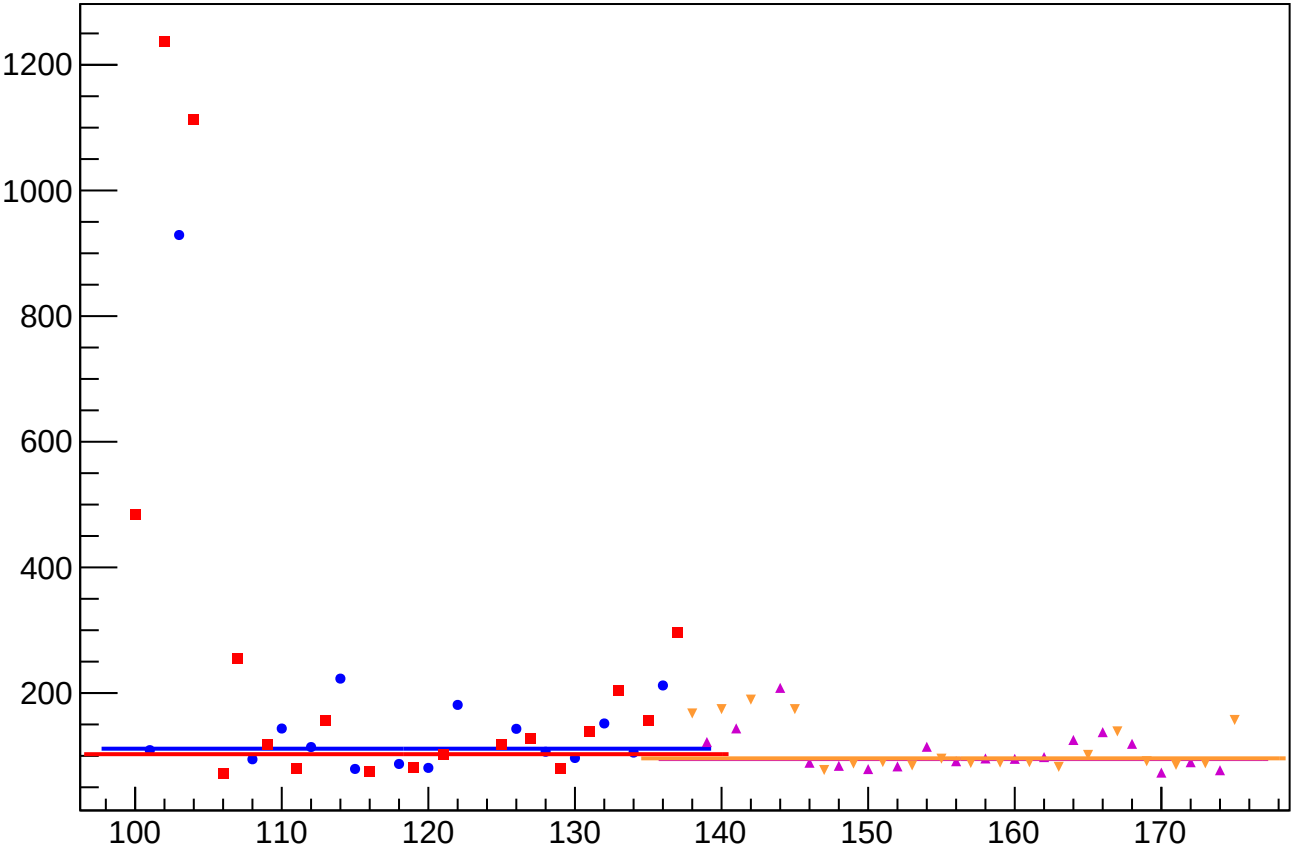
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.028+/-0.016 χ^2/NDF: 84.8/70

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.053+/-0.019 χ^2/NDF:1666774.8/18

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 94.911+/-0.019 χ^2/NDF:1381820.1/17

Left: 95.474+/-0.013 χ^2/NDF: 3050419.9/36

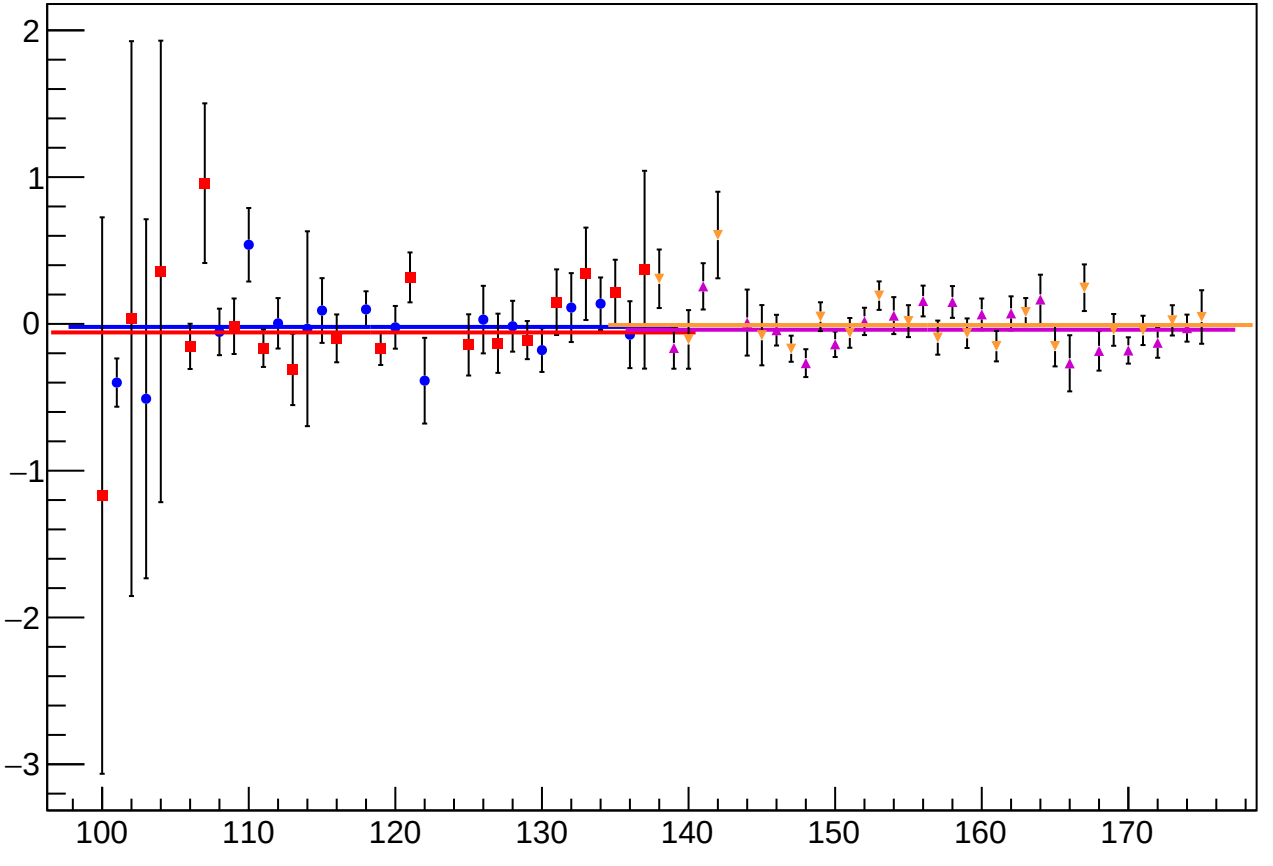
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.824+/-0.016 χ^2/NDF:3404158.5/33

Out: 97.720+/-0.016 χ^2/NDF:4524055.3/36

All: 98.274+/-0.012 χ^2/NDF: 7930468.5/70

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

Left: -0.024+/-0.019 χ^2/NDF: 51.9/36

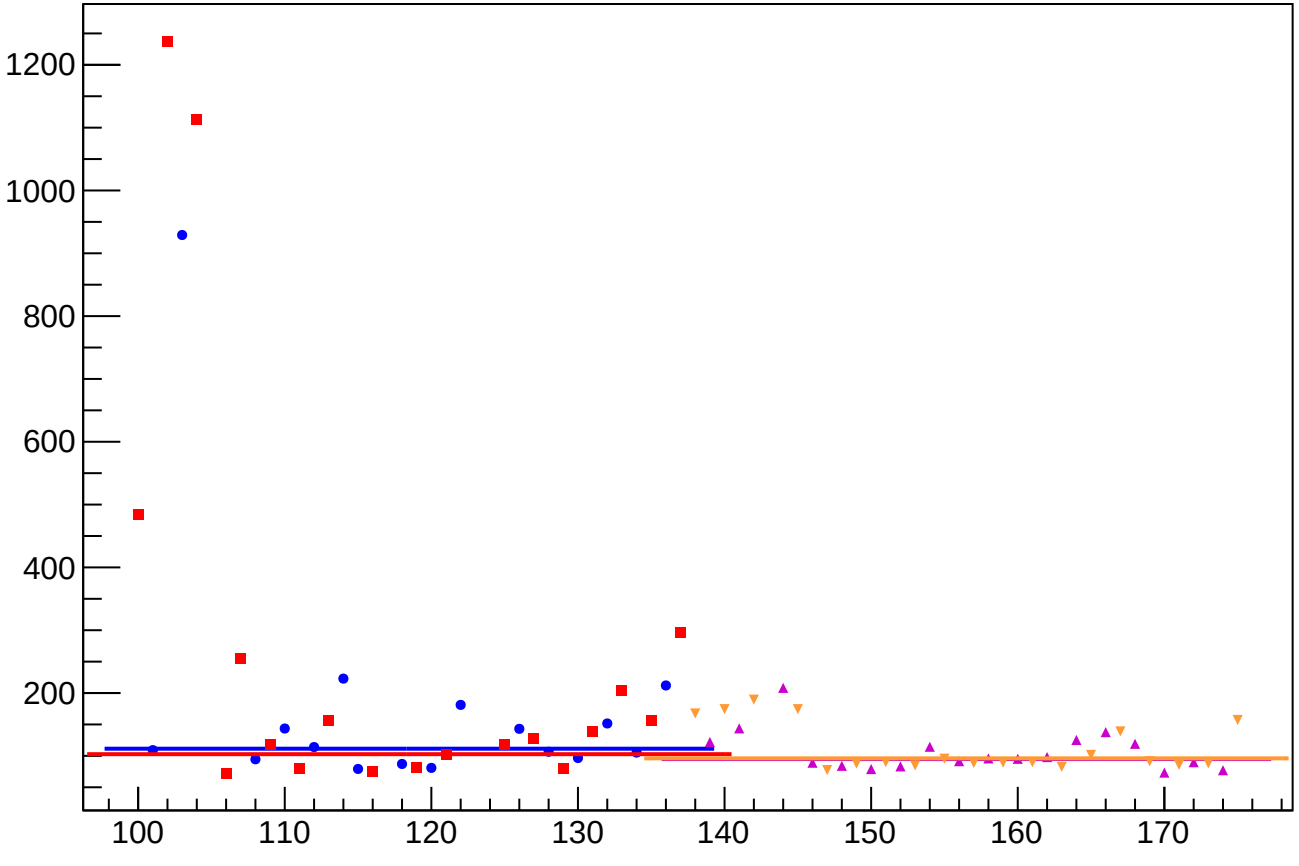
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.028+/-0.016 χ^2/NDF: 84.8/70

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.053+/-0.019 χ^2/NDF:1666774.8/18

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 94.911+/-0.019 χ^2/NDF:1381820.1/17

Left: 95.474+/-0.013 χ^2/NDF: 3050419.9/36

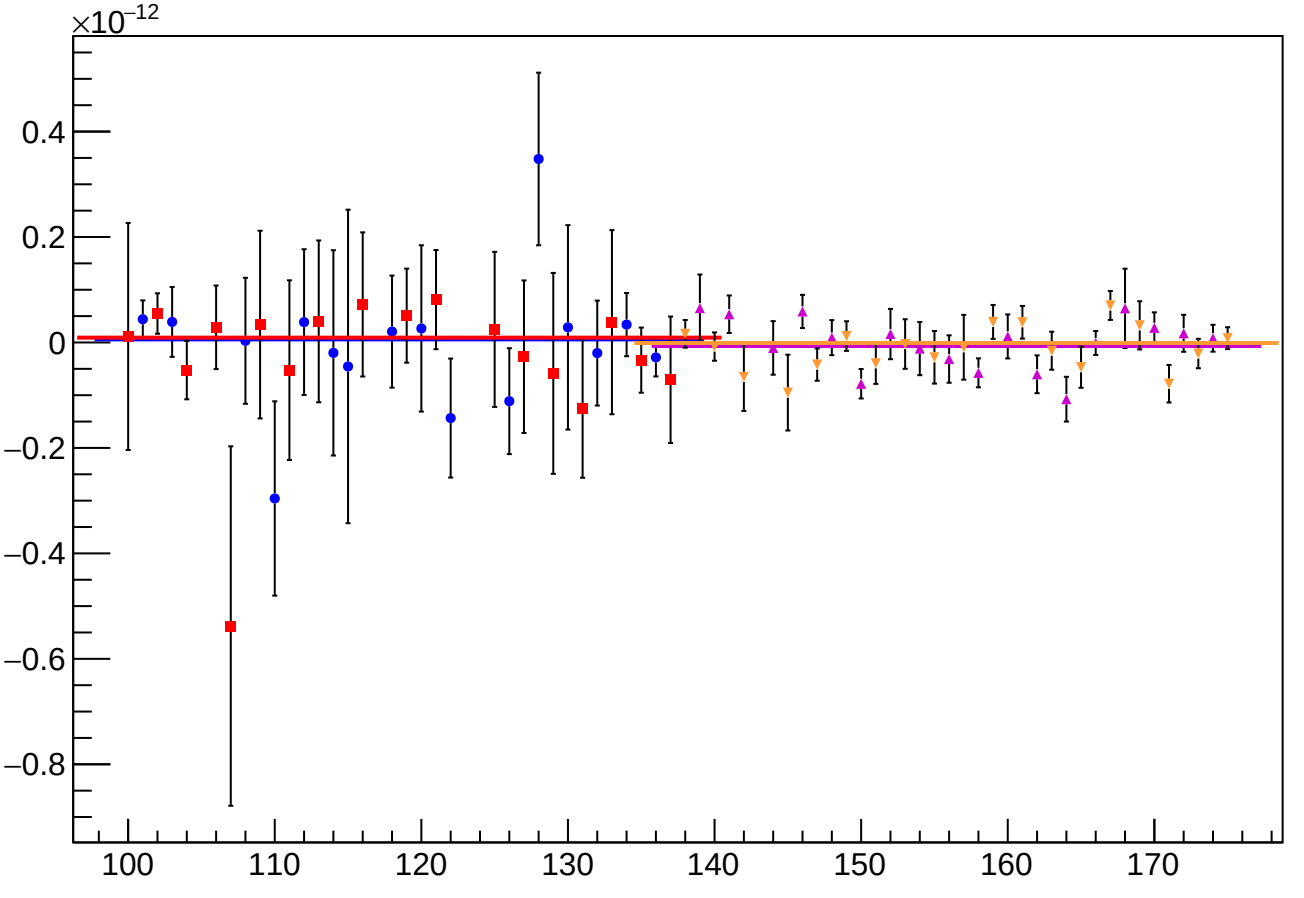
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.824+/-0.016 χ^2/NDF:3404158.5/33

Out: 97.720+/-0.016 χ^2/NDF:4524055.3/36

All: 98.274+/-0.012 χ^2/NDF: 7930468.5/70

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:30.5/17

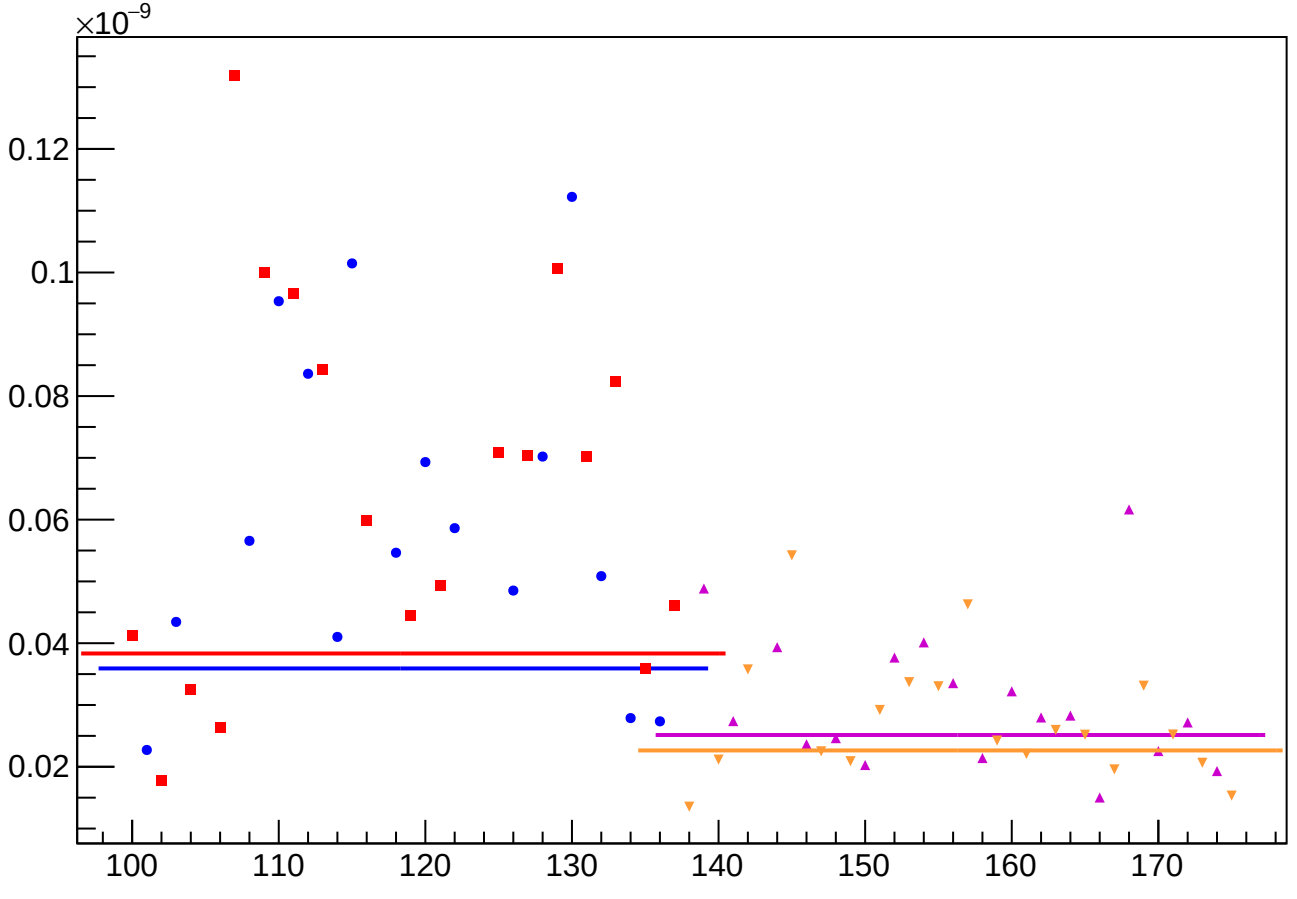
Left: -0.000+/-0.000 χ^2/NDF: 54.6/36

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:43.7/33

Out: 0.000+/-0.000 χ^2/NDF:32.8/36

All: -0.000+/-0.000 χ^2/NDF: 76.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1703204.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2007082.7/17

Left: 0.000+/-0.000 χ^2/NDF: 3809202.9/36

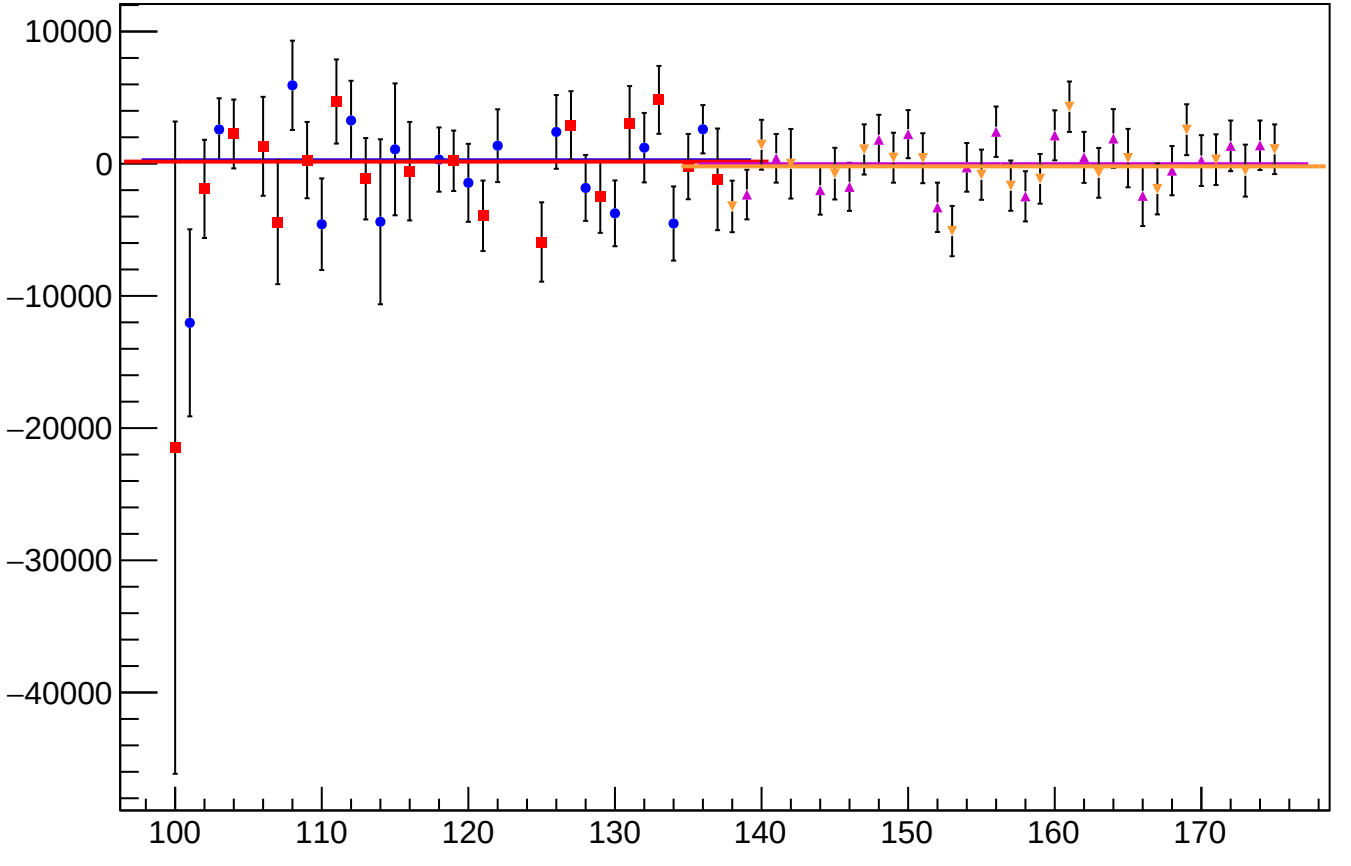
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4299023.4/33

Out: 0.000+/-0.000 χ^2/NDF:4842273.9/36

All: 0.000+/-0.000 χ^2/NDF: 9248130.3/70

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.669+/-446.476 χ^2/NDF:20.7/18

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -37.433+/-449.559 χ^2/NDF:16.9/17

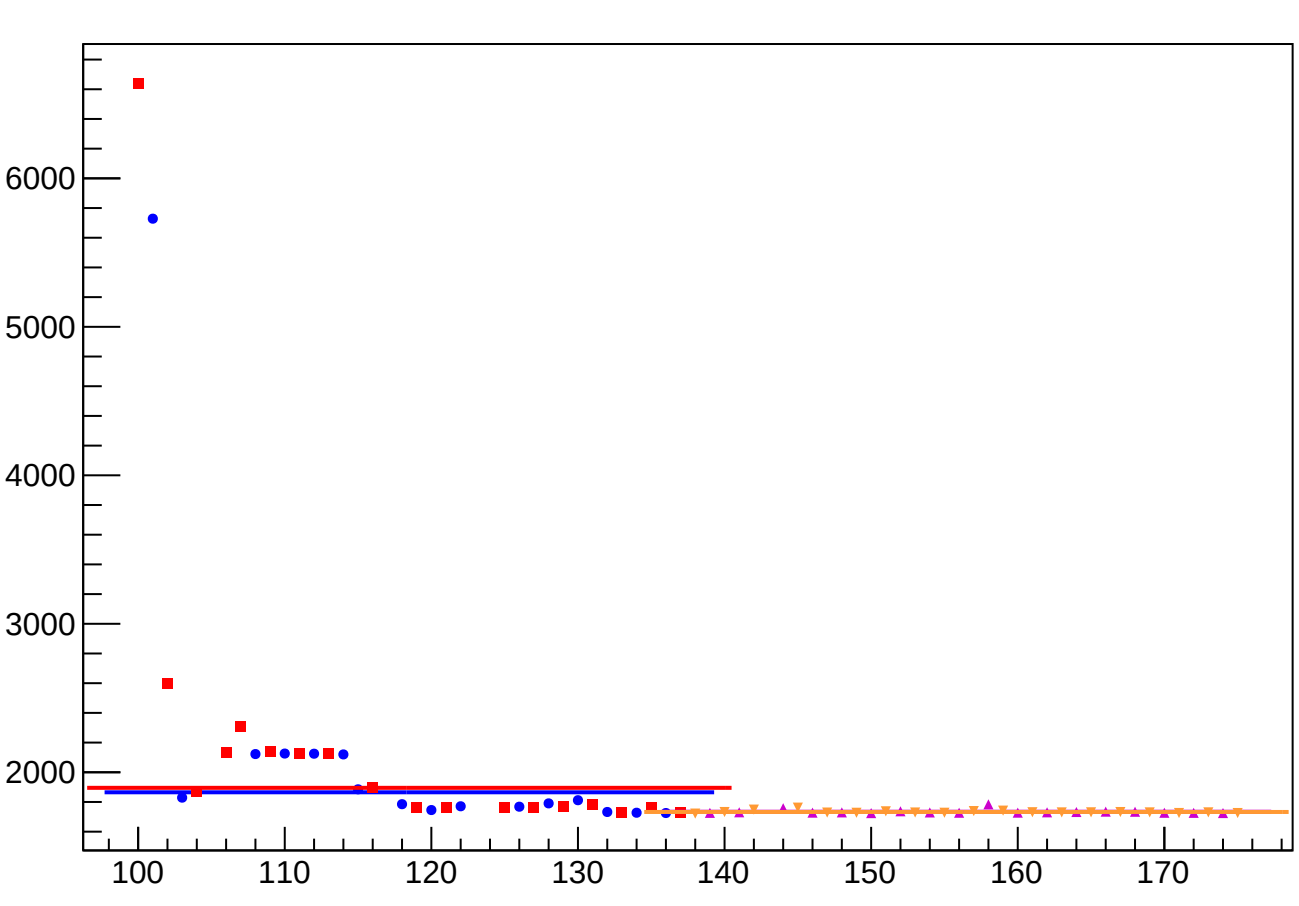
Left: -119.613+/-316.791 χ^2/NDF: 37.7/36

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 47.596+/-379.776 χ^2/NDF:36.5/33

Out: -99.128+/-378.305 χ^2/NDF:39.0/36

All: -26.051+/-268.021 χ^2/NDF: 75.5/70



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

Left: 1733.477+/-0.224 χ^2/NDF: 2793.8/36

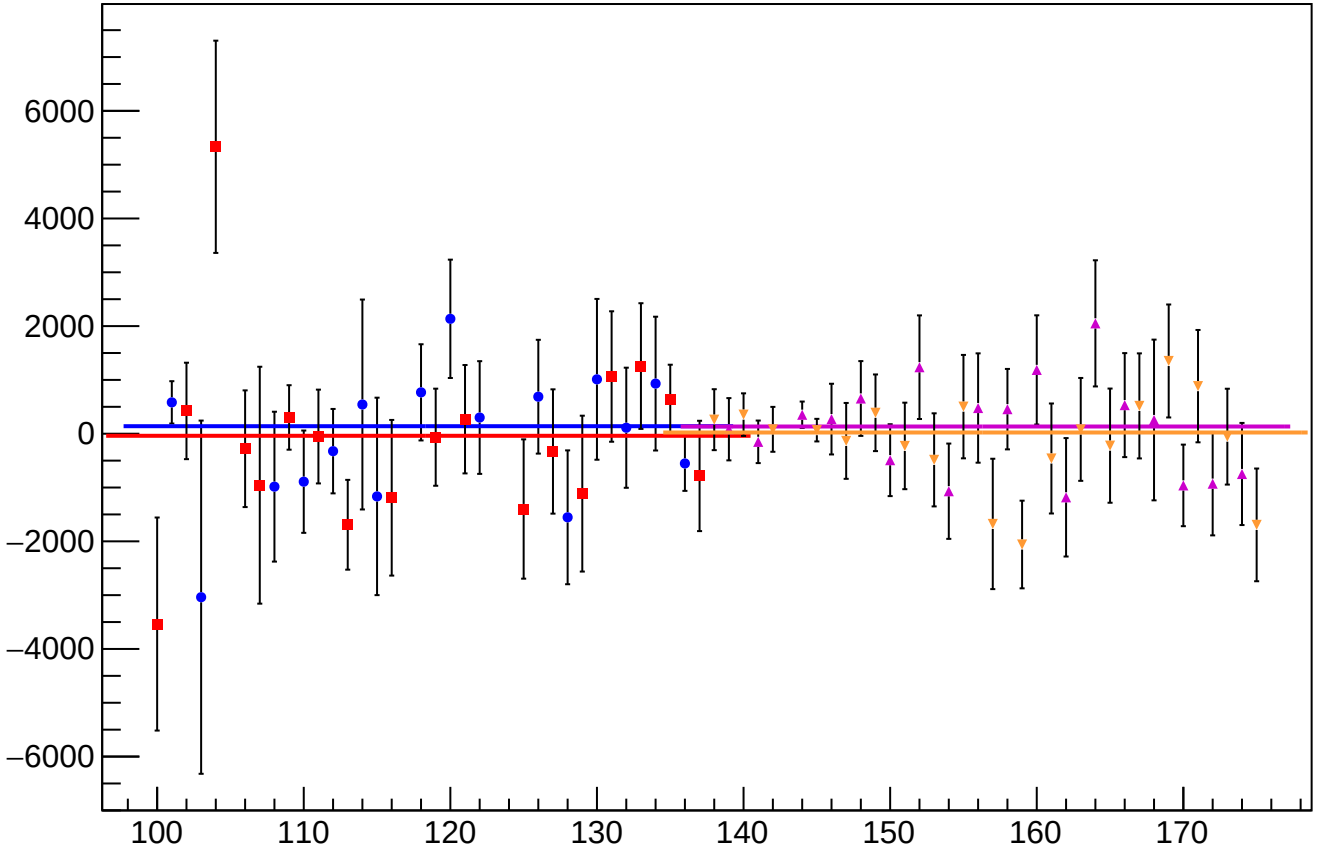
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1771.755+/-0.269 χ^2/NDF:723286.4/33

Out: 1778.544+/-0.268 χ^2/NDF:326360.6/36

All: 1775.163+/-0.190 χ^2/NDF: 1049967.7/70

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 22.720+/-133.552 χ^2/NDF:16.0/18

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 134.095+/-147.828 χ^2/NDF:15.8/17

Left: 72.771+/-99.099 χ^2/NDF: 32.1/36

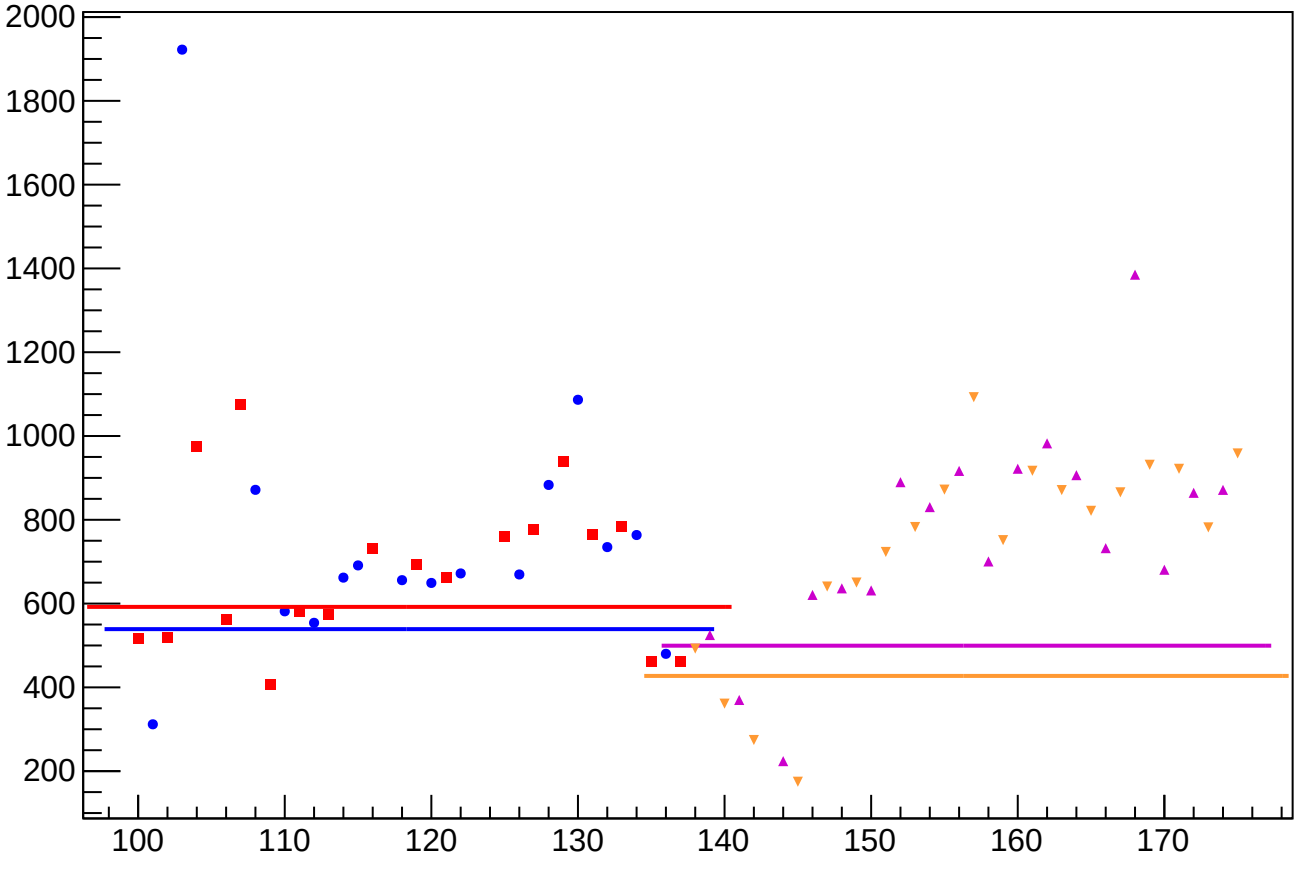
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 135.868+/-122.718 χ^2/NDF:29.2/33

Out: 8.052+/-116.498 χ^2/NDF:37.4/36

All: 68.639+/-84.490 χ^2/NDF: 67.2/70

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 427.327+/-0.094 χ^2/NDF:8891808.6/18

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 499.487+/-0.105 χ^2/NDF:6563912.1/17

Left: 459.756+/-0.070 χ^2/NDF: 15718112.9/36

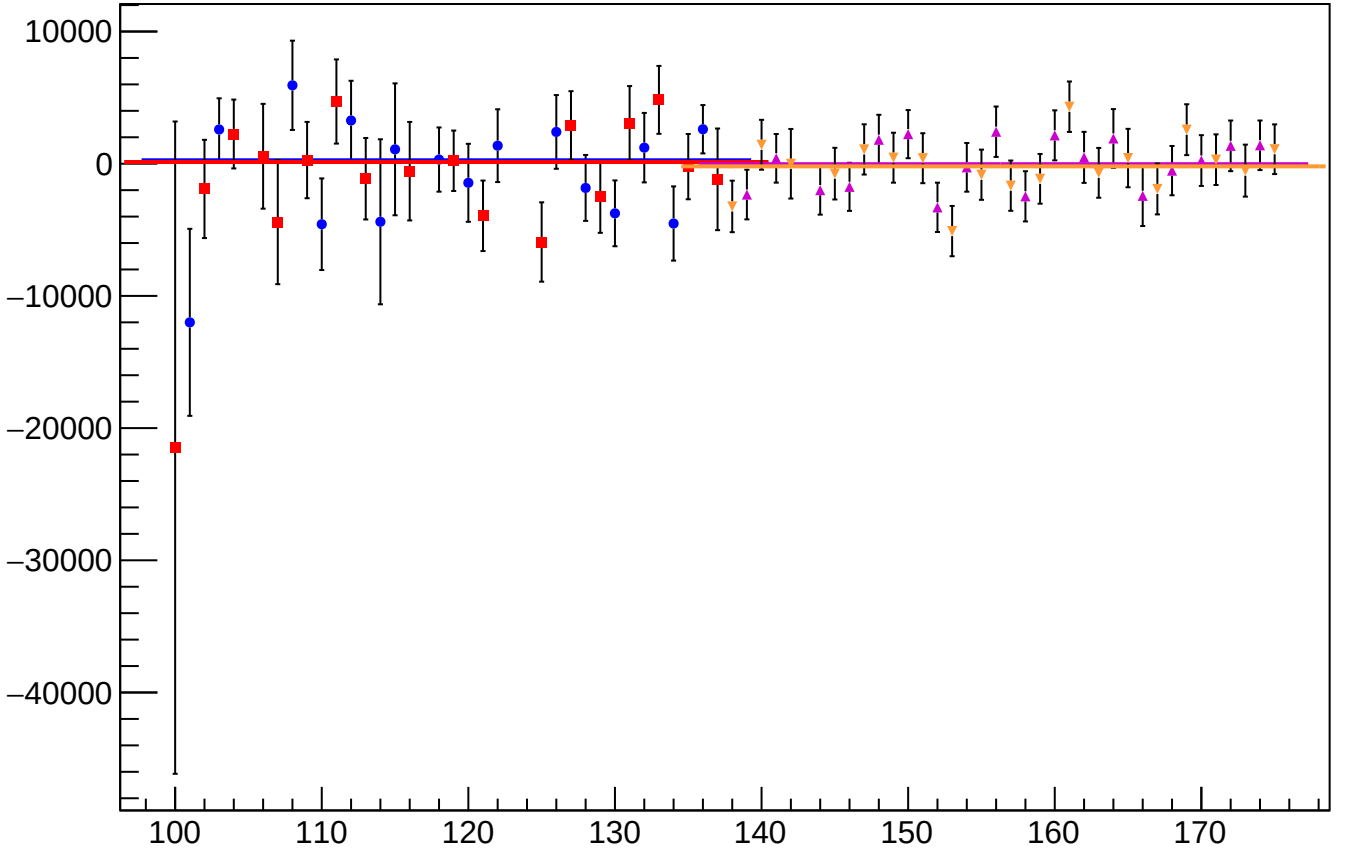
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 511.776+/-0.087 χ^2/NDF:8462943.3/33

Out: 466.723+/-0.082 χ^2/NDF:10462759.2/36

All: 488.078+/-0.060 χ^2/NDF: 19067489.0/70

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -37.480+/-449.559 χ^2/NDF:16.9/17

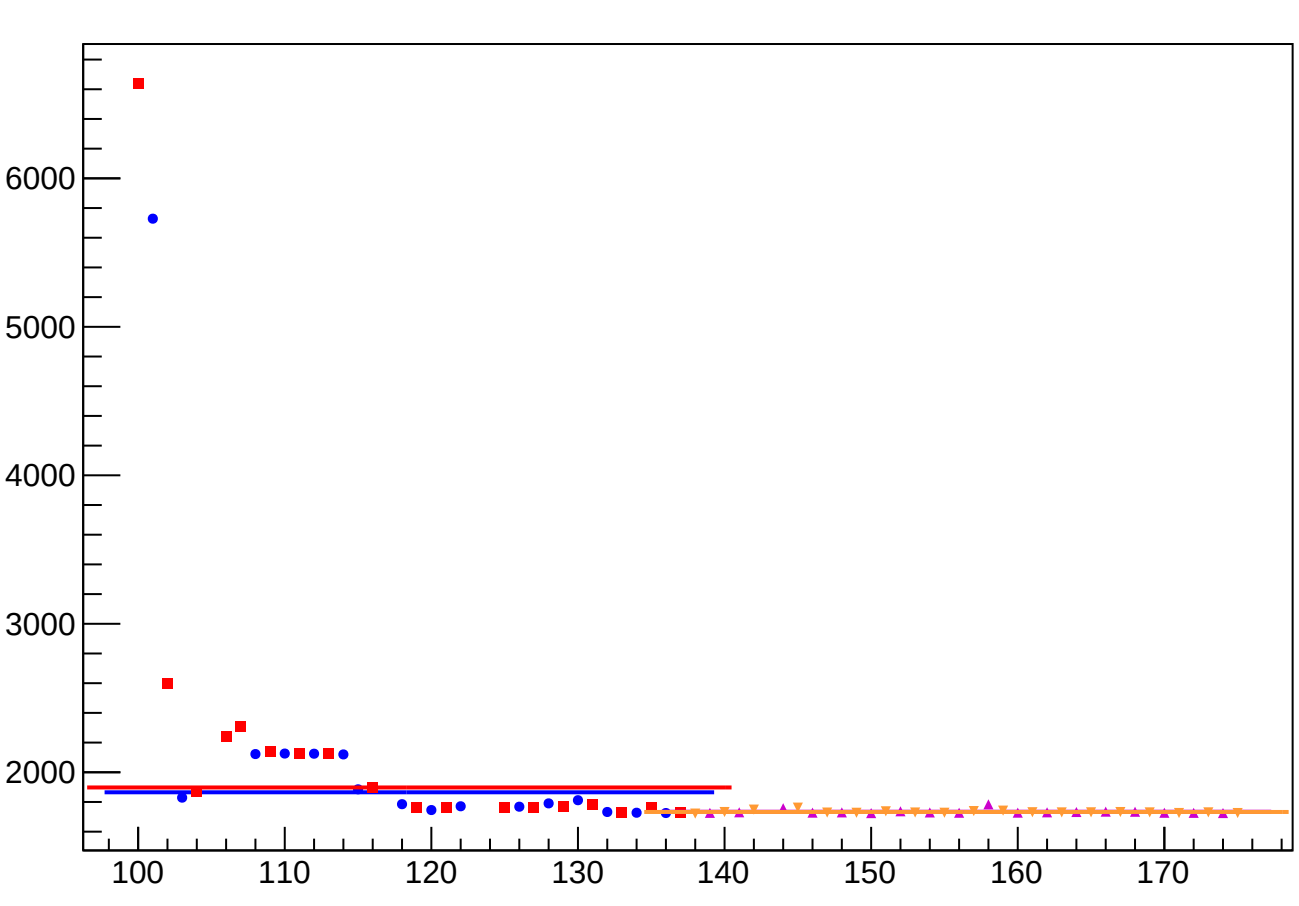
Left: -119.617+/-316.791 χ^2/NDF: 37.7/36

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 47.616+/-379.776 χ^2/NDF:36.5/33

Out: -107.624+/-378.516 χ^2/NDF:38.8/36

All: -30.262+/-268.096 χ^2/NDF: 75.4/70



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

Left: 1733.477+/-0.224 χ^2/NDF: 2793.8/36

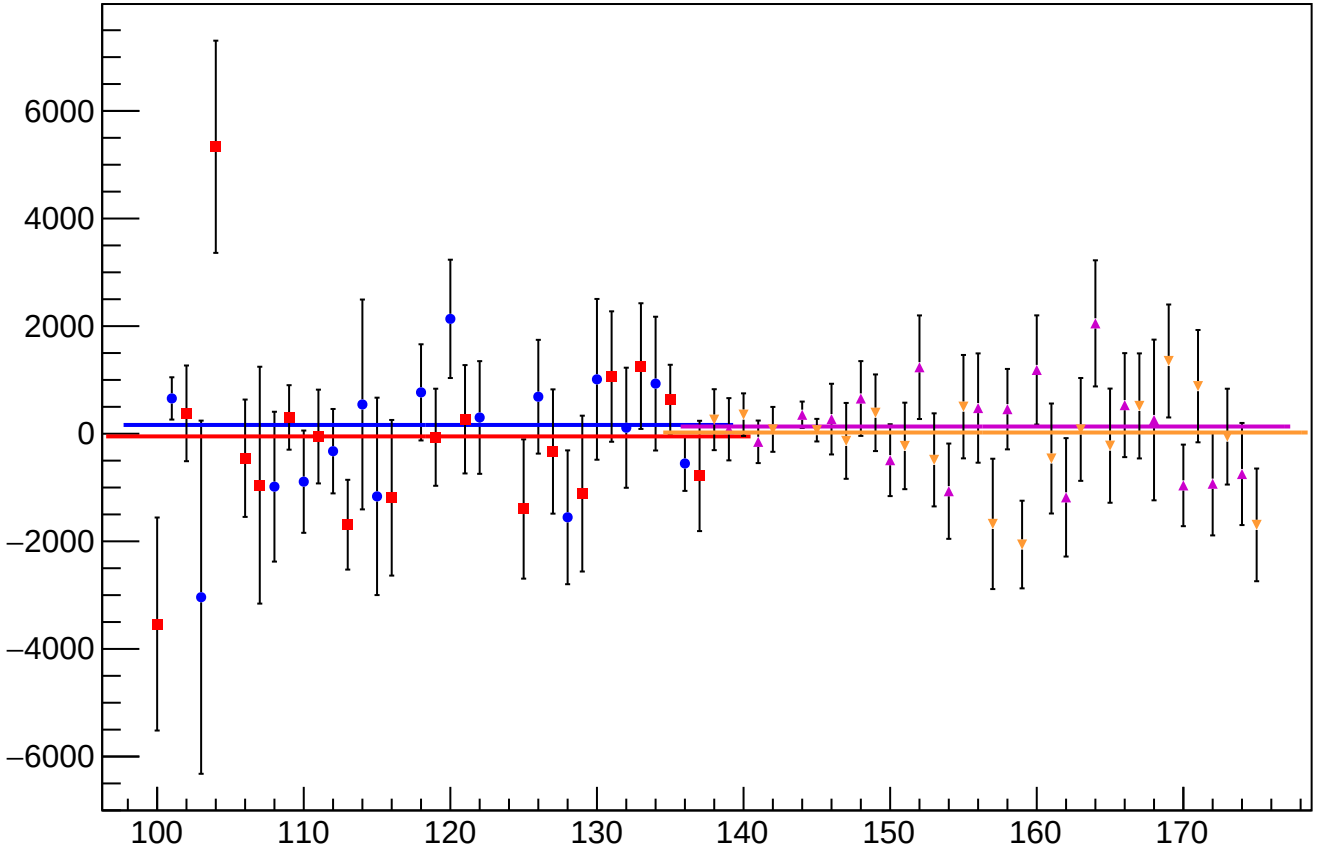
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1771.755+/-0.269 χ^2/NDF:723286.2/33

Out: 1779.103+/-0.268 χ^2/NDF:335342.1/36

All: 1775.442+/-0.190 χ^2/NDF: 1059003.9/70

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.070+/-147.829 χ^2/NDF:15.8/17

Left: 72.695+/-99.100 χ^2/NDF: 32.1/36

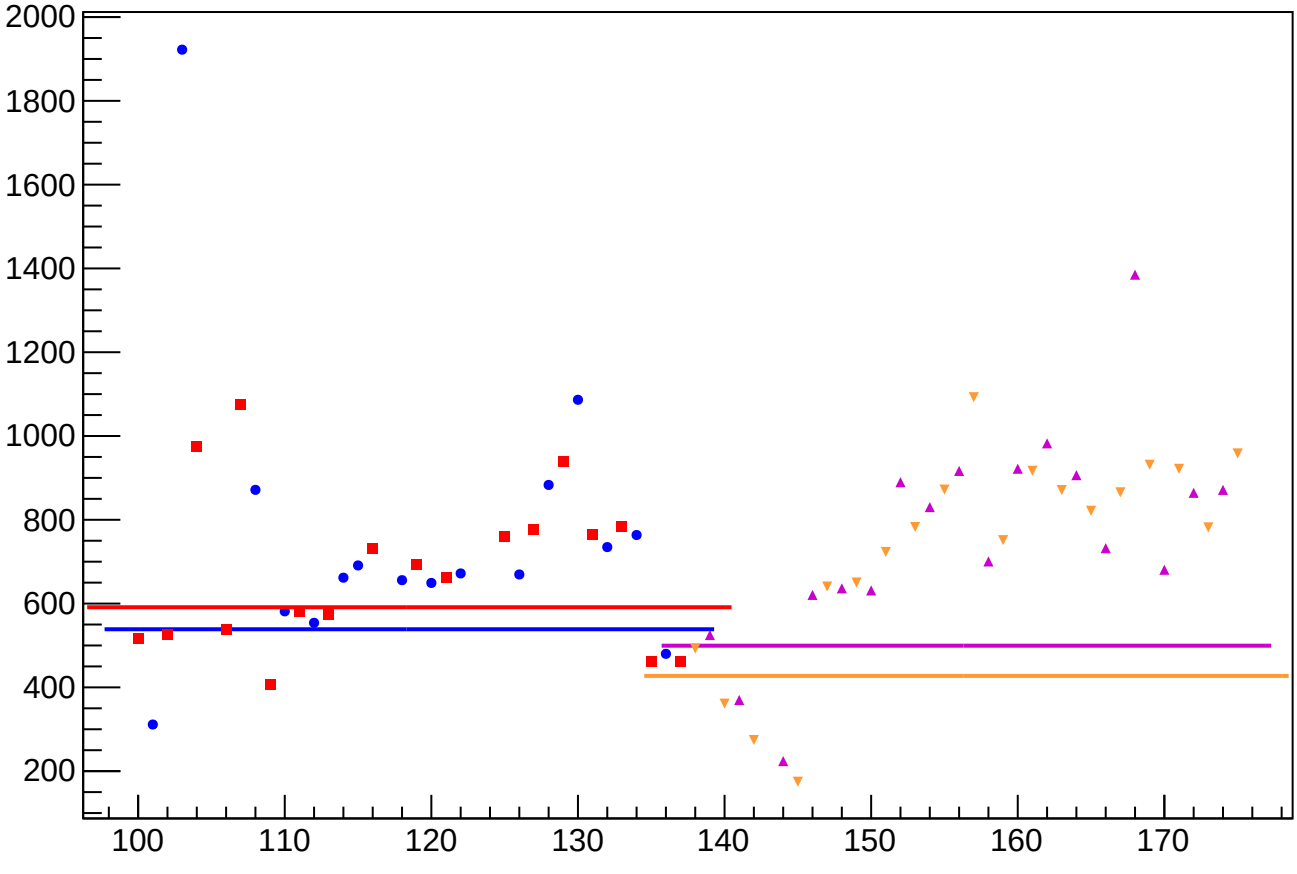
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.114+/-122.705 χ^2/NDF:29.7/33

Out: 5.328+/-116.492 χ^2/NDF:37.5/36

All: 70.645+/-84.484 χ^2/NDF: 67.8/70

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

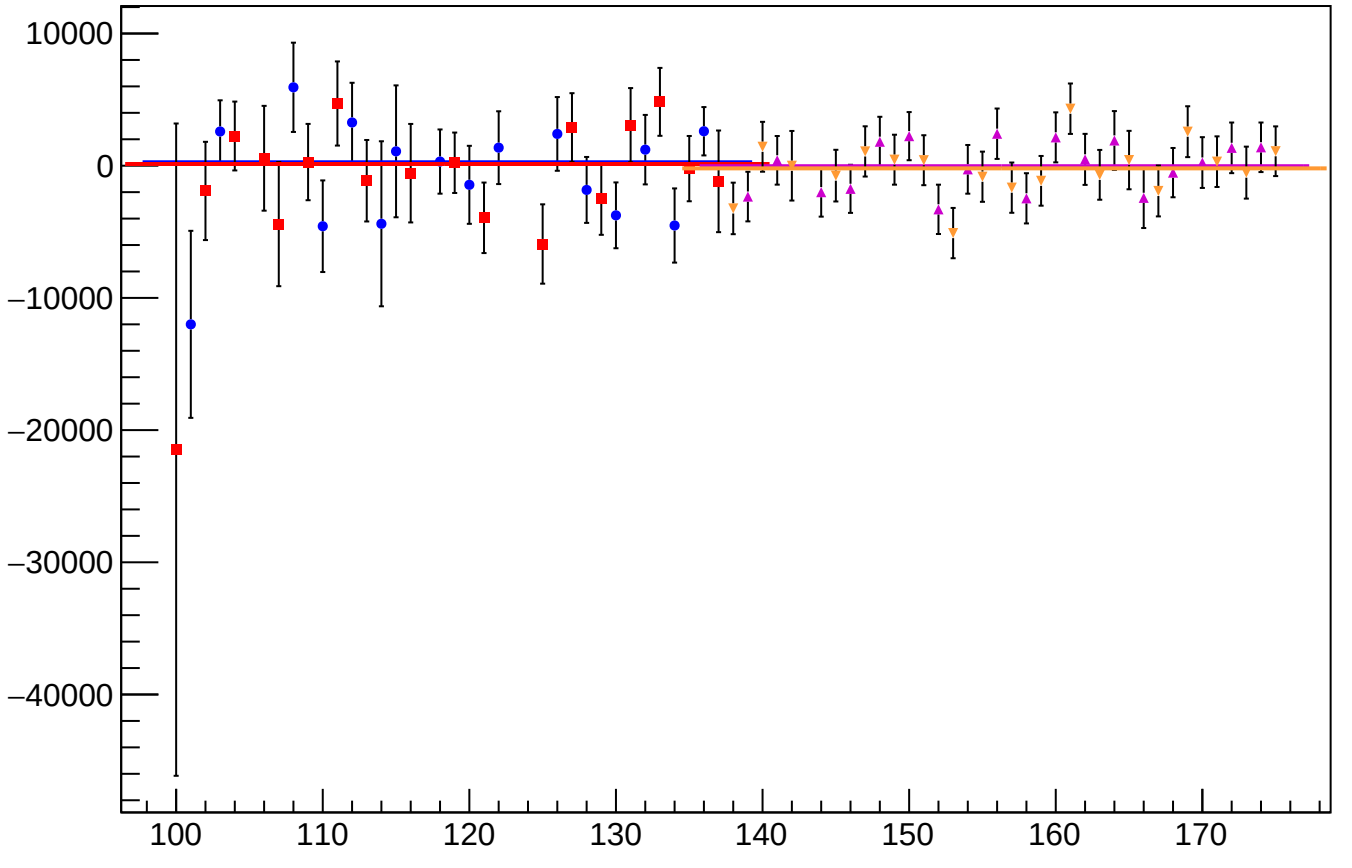
Left: 459.765+/-0.070 χ^2/NDF: 15717324.2/36

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 511.690+/-0.087 χ^2/NDF:8466135.9/33

Out: 466.539+/-0.082 χ^2/NDF:10456476.4/36

All: 487.943+/-0.060 χ^2/NDF: 19065033.5/70



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -37.480+/-449.559 χ^2/NDF:16.9/17

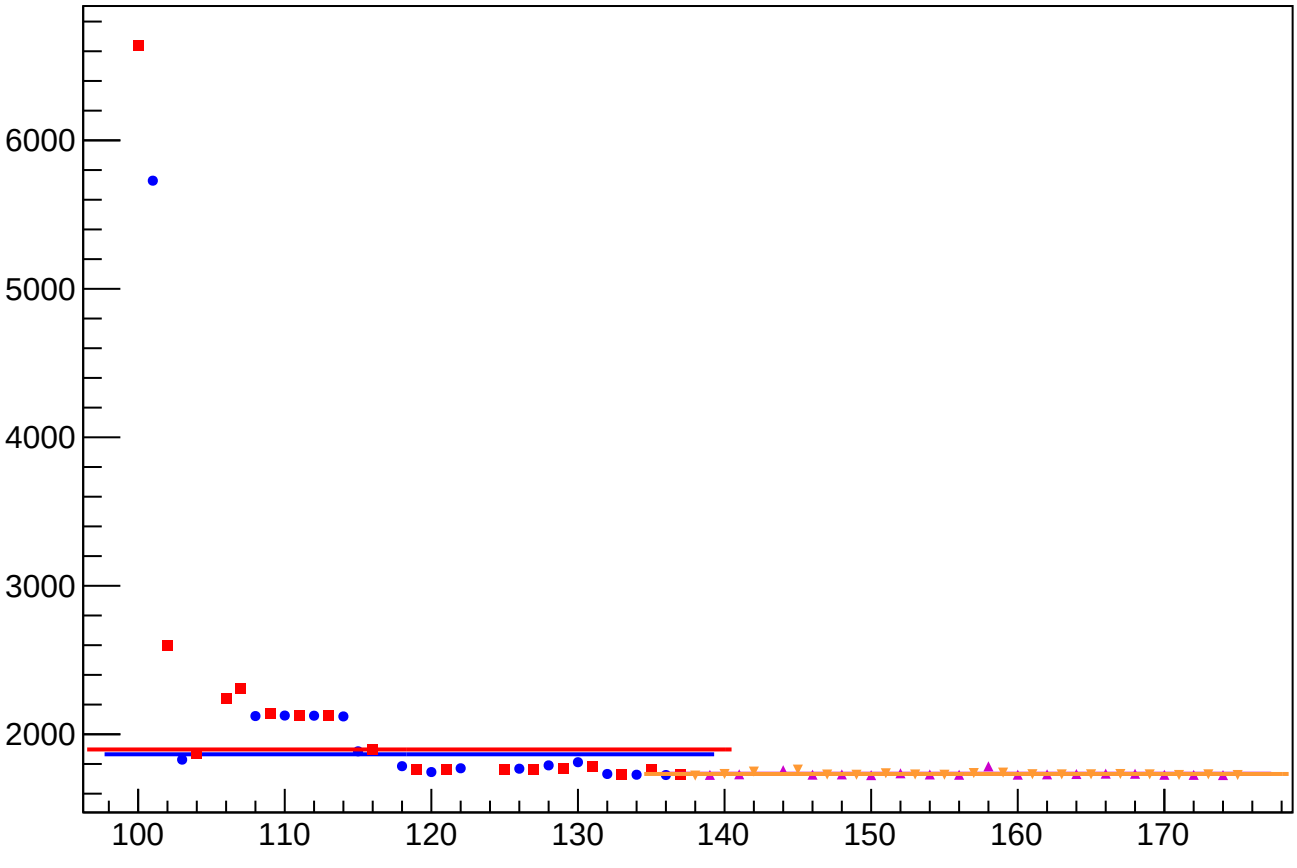
Left: -119.617+/-316.791 χ^2/NDF: 37.7/36

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 47.616+/-379.776 χ^2/NDF:36.5/33

Out: -107.624+/-378.516 χ^2/NDF:38.8/36

All: -30.262+/-268.096 χ^2/NDF: 75.4/70



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

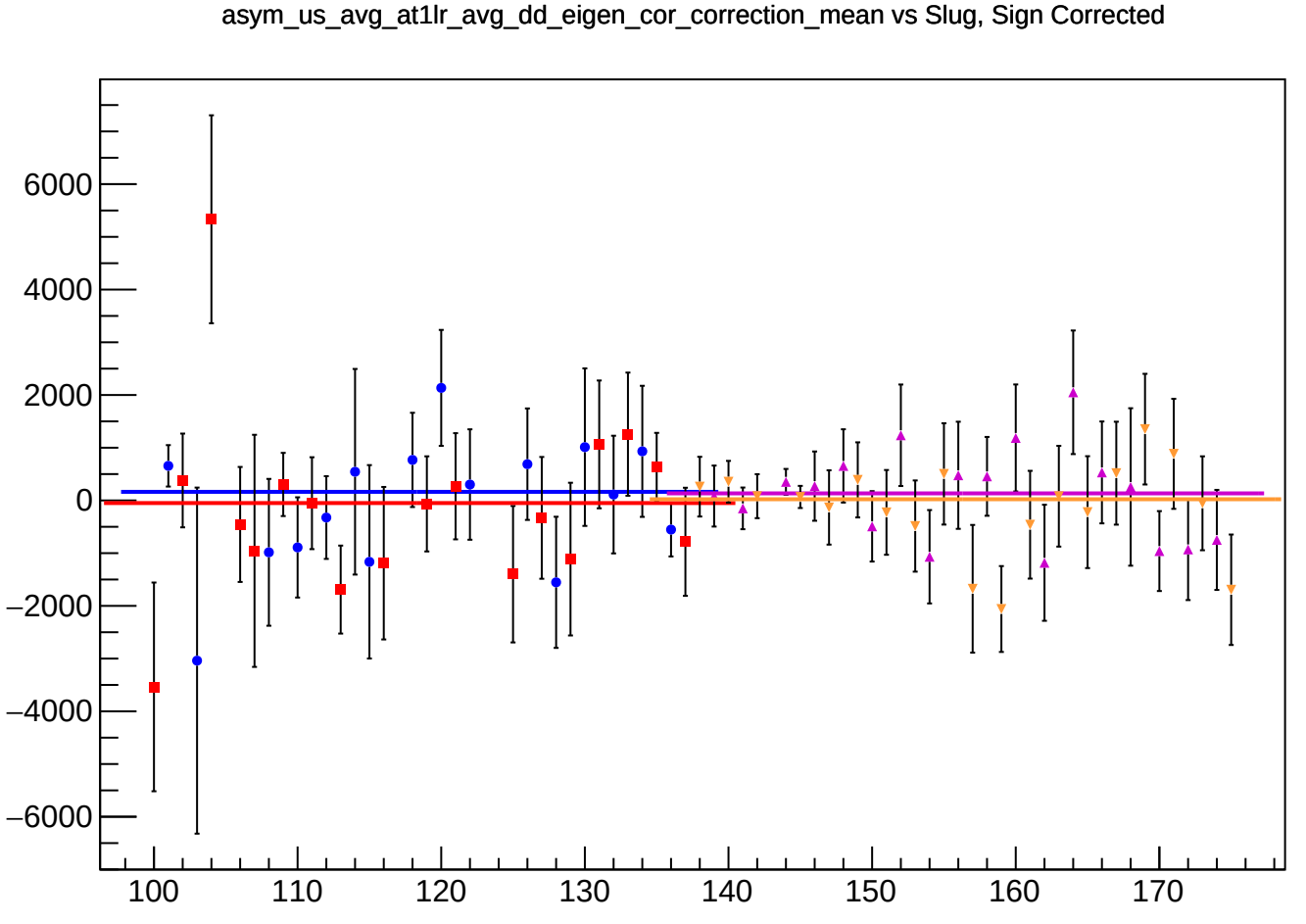
Left: 1733.477+/-0.224 χ^2/NDF: 2793.8/36

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1771.755+/-0.269 χ^2/NDF:723286.2/33

Out: 1779.103+/-0.268 χ^2/NDF:335342.1/36

All: 1775.442+/-0.190 χ^2/NDF: 1059003.9/70



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.070+/-147.829 χ^2/NDF:15.8/17

Left: 72.695+/-99.100 χ^2/NDF: 32.1/36

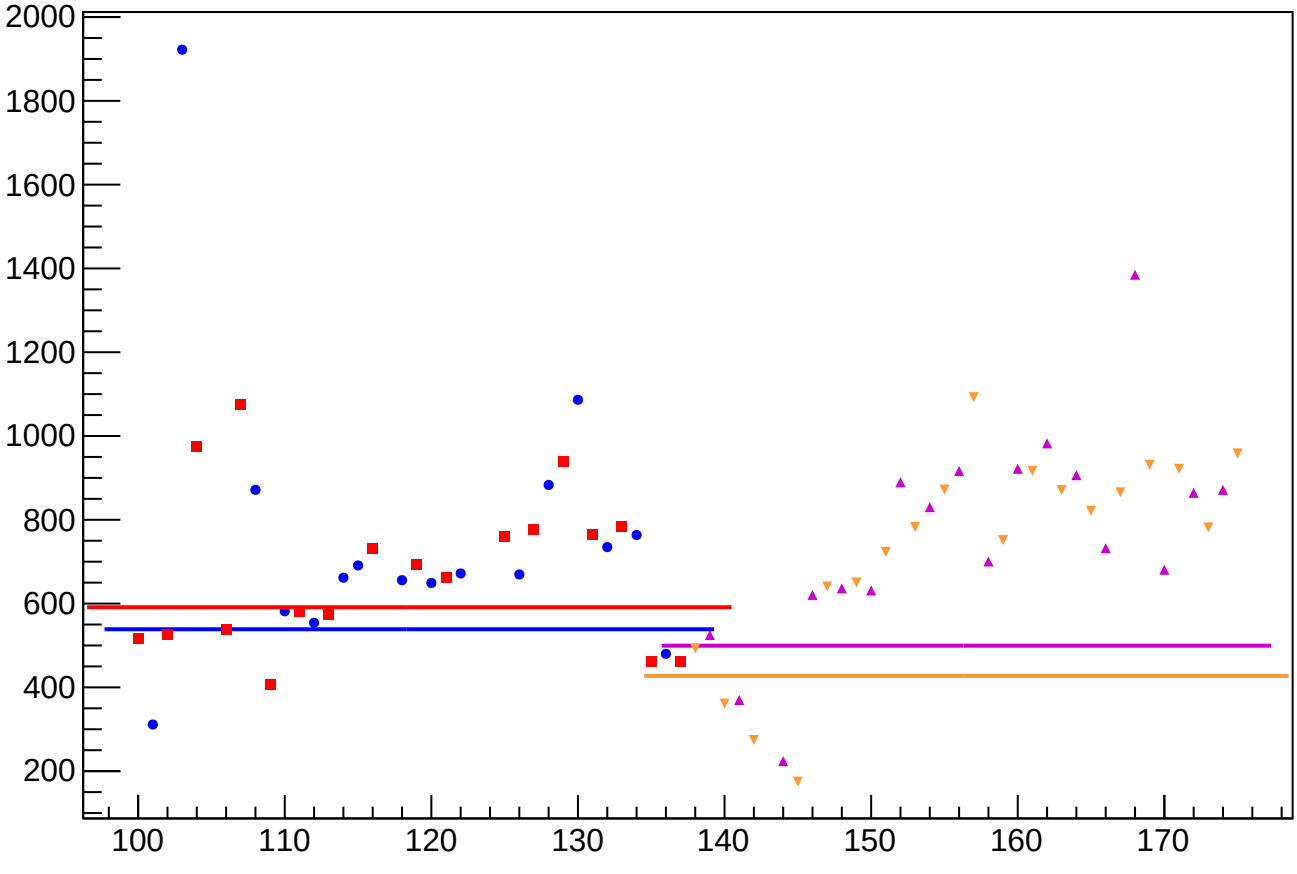
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.114+/-122.705 χ^2/NDF:29.7/33

Out: 5.328+/-116.492 χ^2/NDF:37.5/36

All: 70.645+/-84.484 χ^2/NDF: 67.8/70

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

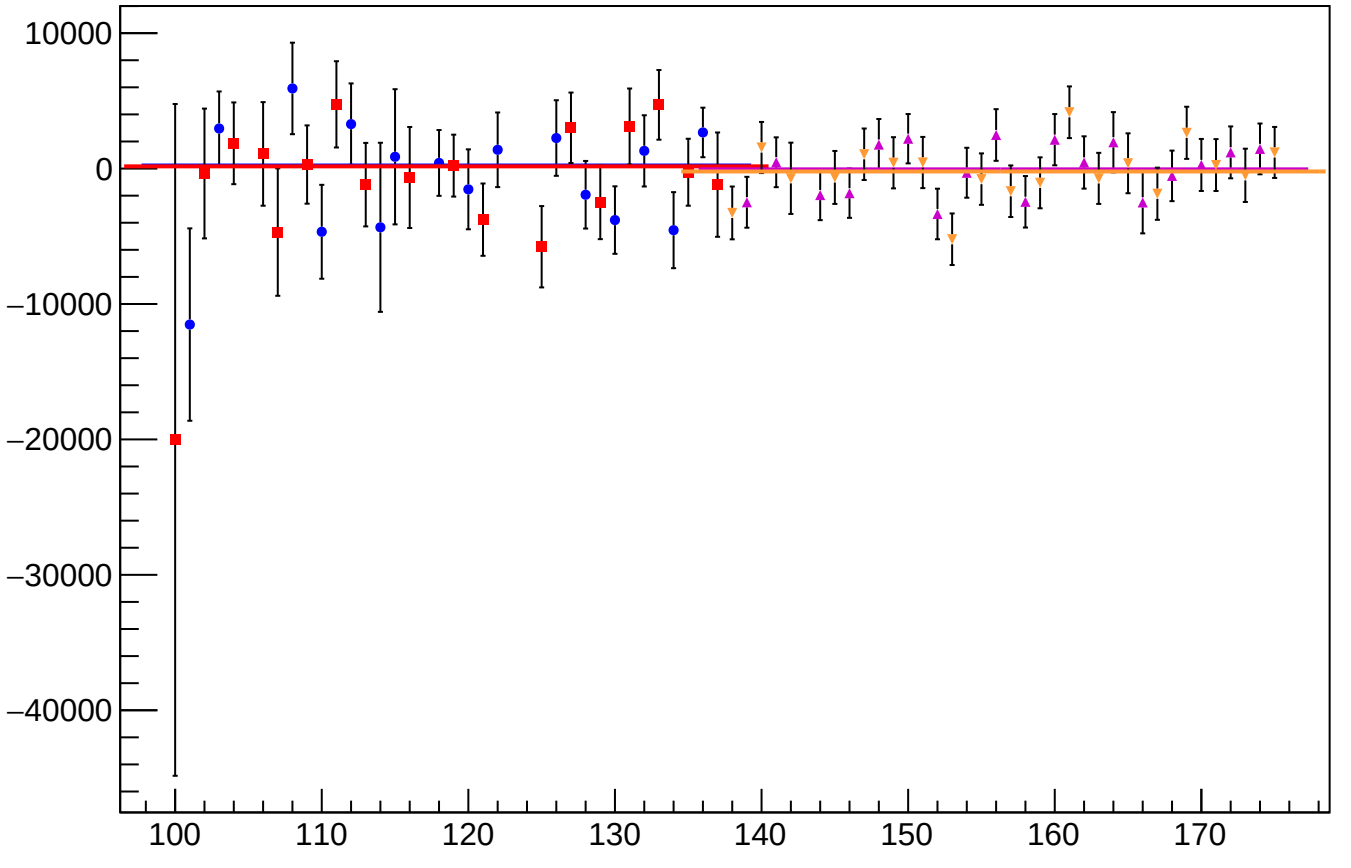
Left: 459.765+/-0.070 χ^2/NDF: 15717324.2/36

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 511.690+/-0.087 χ^2/NDF:8466135.9/33

Out: 466.539+/-0.082 χ^2/NDF:10456476.4/36

All: 487.943+/-0.060 χ^2/NDF: 19065033.5/70



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.120+/-446.789 χ^2/NDF:20.9/18

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -57.676+/-449.847 χ^2/NDF:17.2/17

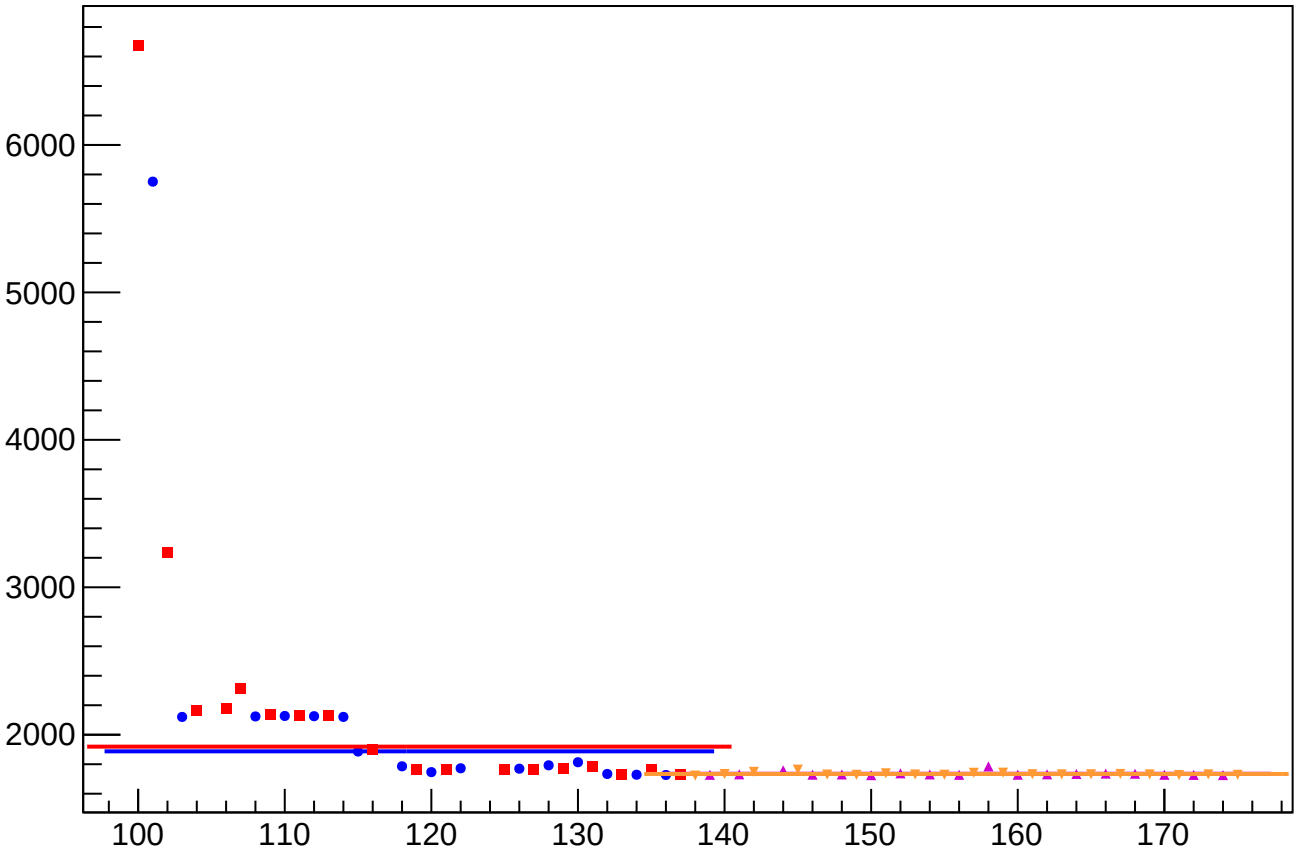
Left: -135.928+/-317.003 χ^2/NDF: 38.2/36

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 22.264+/-381.291 χ^2/NDF:36.8/33

Out: -109.564+/-380.478 χ^2/NDF:38.1/36

All: -43.791+/-269.325 χ^2/NDF: 74.9/70



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

Left: 1734.639+/-0.224 χ^2/NDF: 2793.5/36

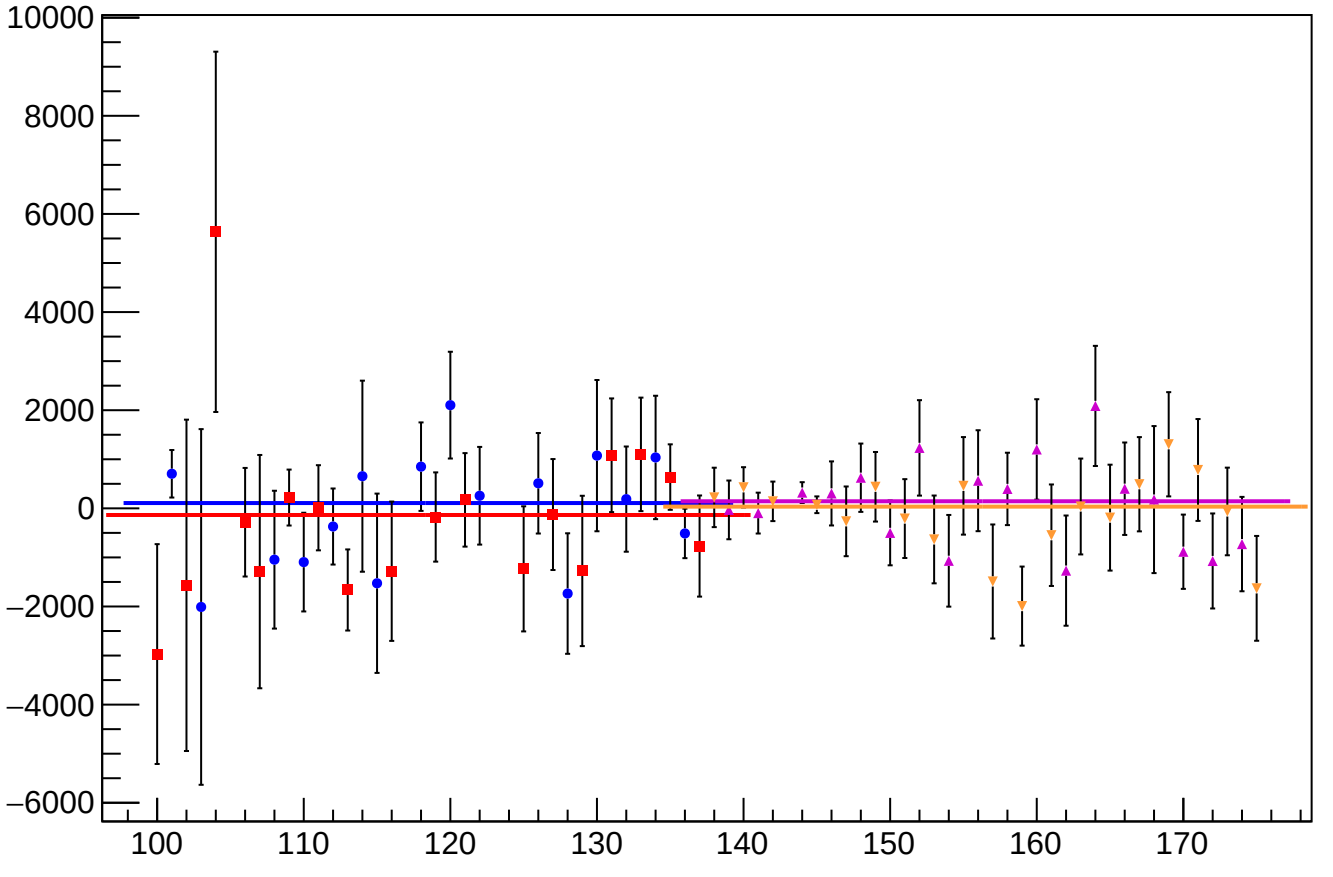
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1778.159+/-0.270 χ^2/NDF:755687.4/33

Out: 1784.817+/-0.269 χ^2/NDF:447834.4/36

All: 1781.495+/-0.190 χ^2/NDF: 1203827.4/70

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 35.052+/-121.948 χ^2/NDF:15.5/18

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 144.363+/-140.978 χ^2/NDF:15.3/17

Left: 81.837+/-92.230 χ^2/NDF: 31.2/36

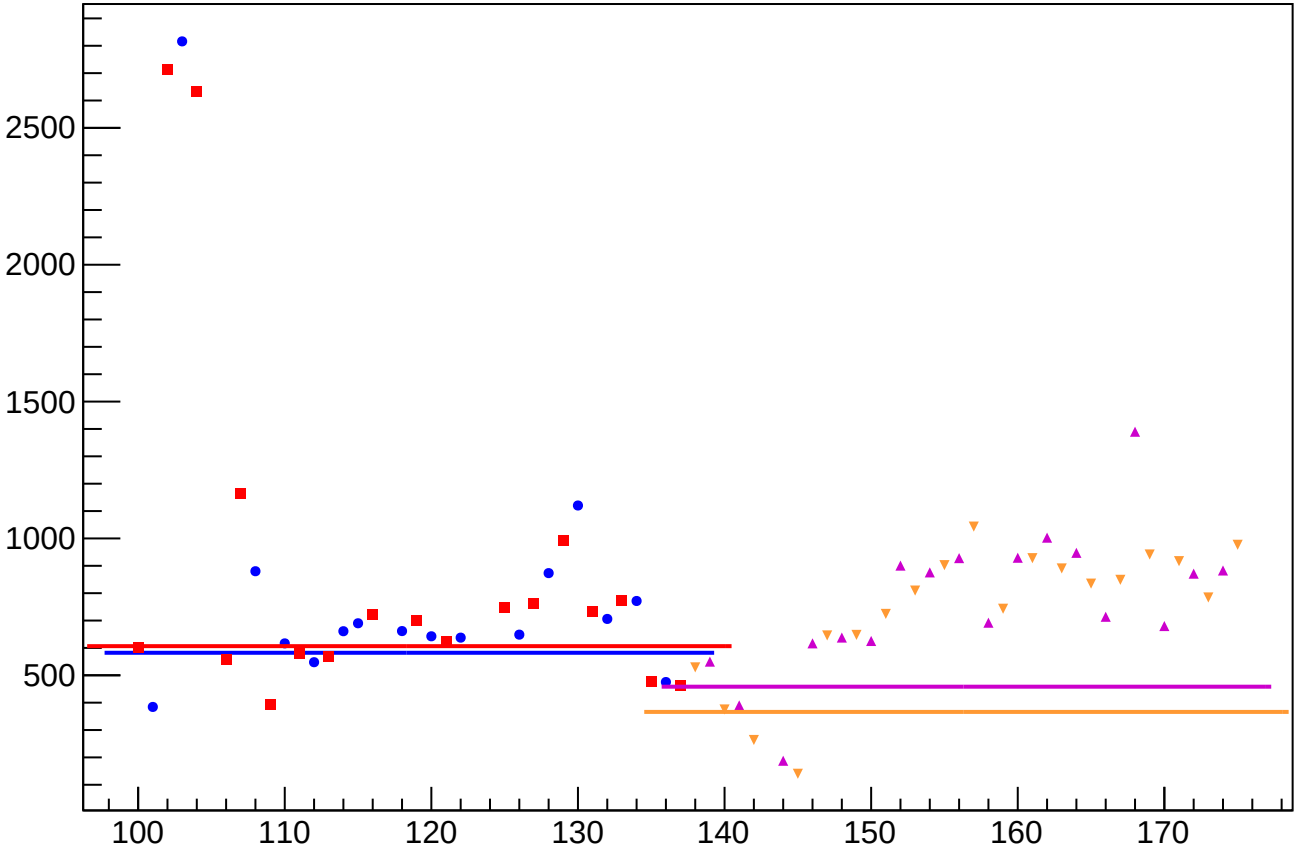
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 134.574+/-120.438 χ^2/NDF:29.5/33

Out: 1.422+/-109.254 χ^2/NDF:30.2/36

All: 61.530+/-80.920 χ^2/NDF: 60.4/70

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 366.216+/-0.086 χ^2/NDF:11297508.7/18

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 458.351+/-0.100 χ^2/NDF:8217483.6/17

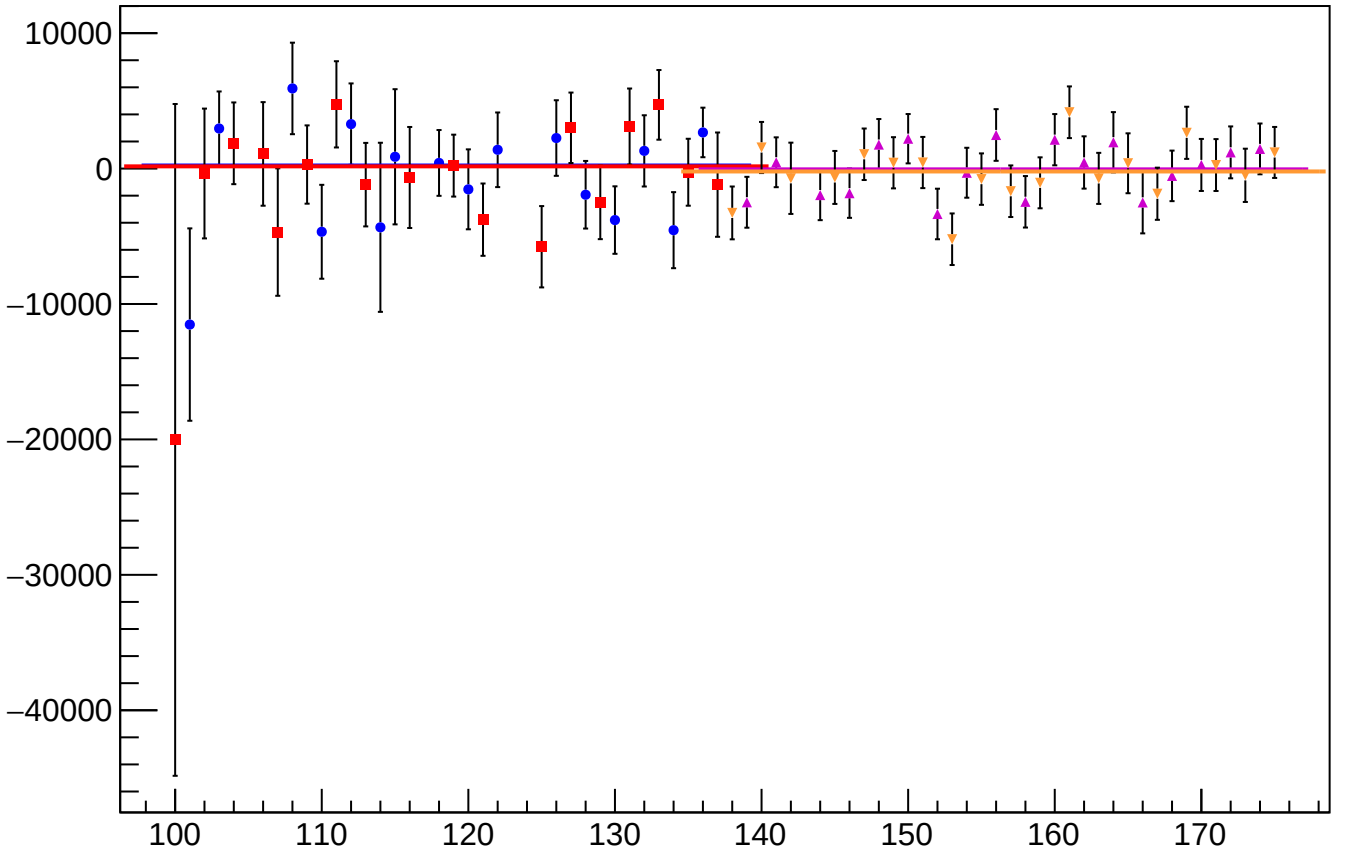
Left: 405.650+/-0.065 χ^2/NDF: 20003619.2/36

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 491.830+/-0.085 χ^2/NDF:10389265.0/33

Out: 413.627+/-0.077 χ^2/NDF:15027673.5/36

All: 448.930+/-0.057 χ^2/NDF: 25879524.8/70



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.124+/-446.789 χ^2/NDF:20.9/18

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -57.675+/-449.847 χ^2/NDF:17.2/17

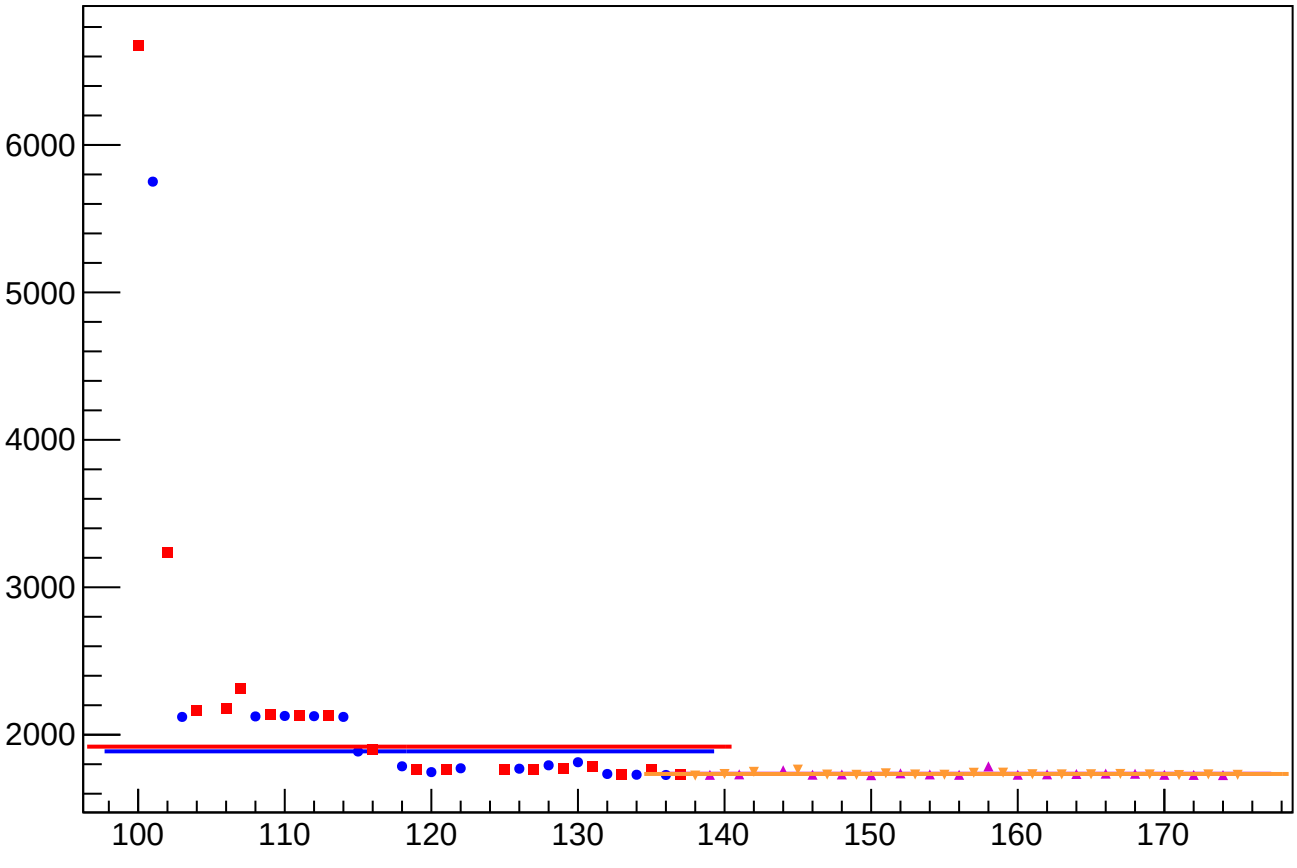
Left: -135.930+/-317.003 χ^2/NDF: 38.2/36

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 22.264+/-381.291 χ^2/NDF:36.8/33

Out: -109.567+/-380.478 χ^2/NDF:38.1/36

All: -43.792+/-269.325 χ^2/NDF: 74.9/70



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

Left: 1734.639+/-0.224 χ^2/NDF: 2793.5/36

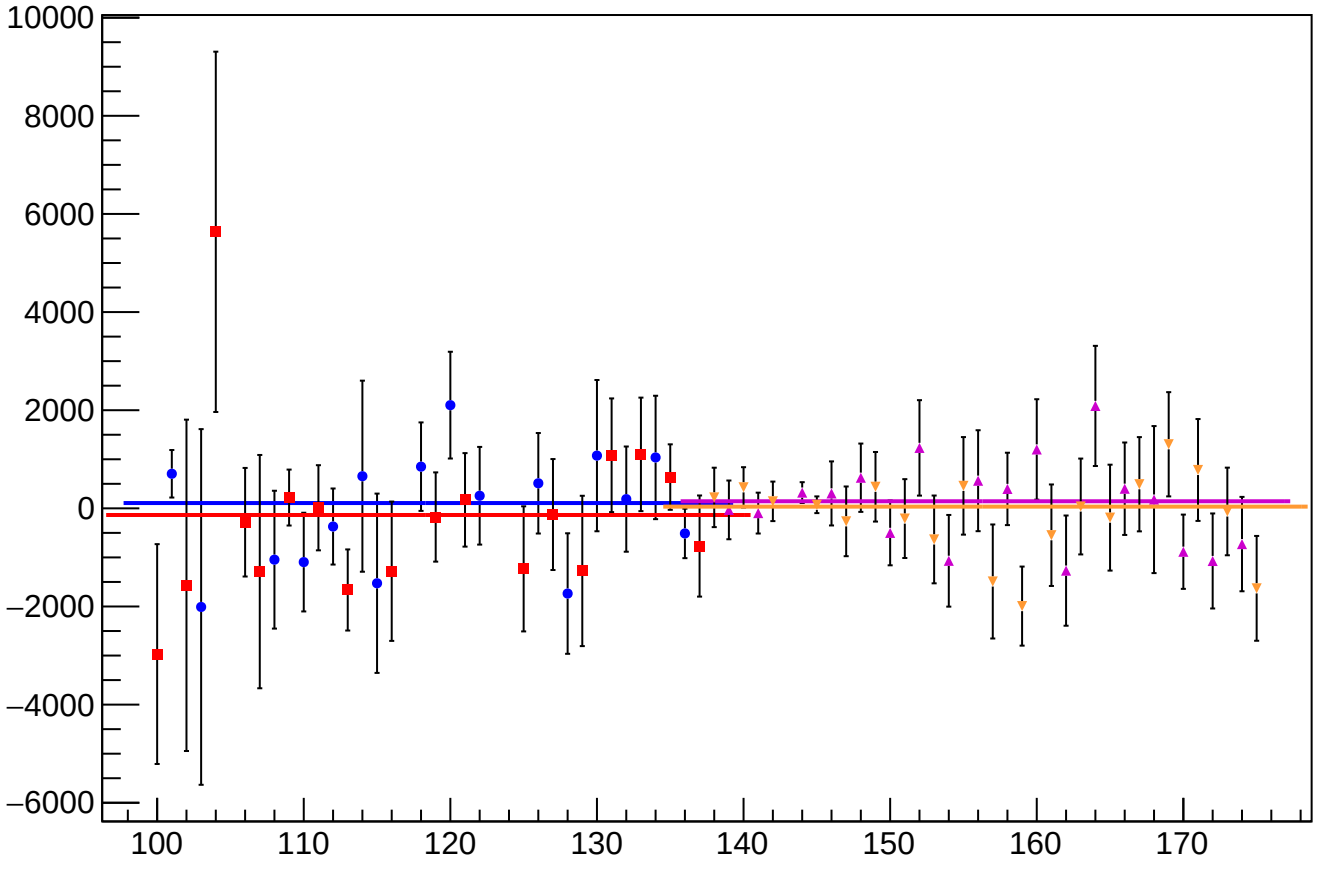
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1778.159+/-0.270 χ^2/NDF:755687.1/33

Out: 1784.817+/-0.269 χ^2/NDF:447833.6/36

All: 1781.495+/-0.190 χ^2/NDF: 1203826.2/70

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.051+/-121.948 χ^2/NDF:15.5/18

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 144.363+/-140.978 χ^2/NDF:15.3/17

Left: 81.836+/-92.230 χ^2/NDF: 31.2/36

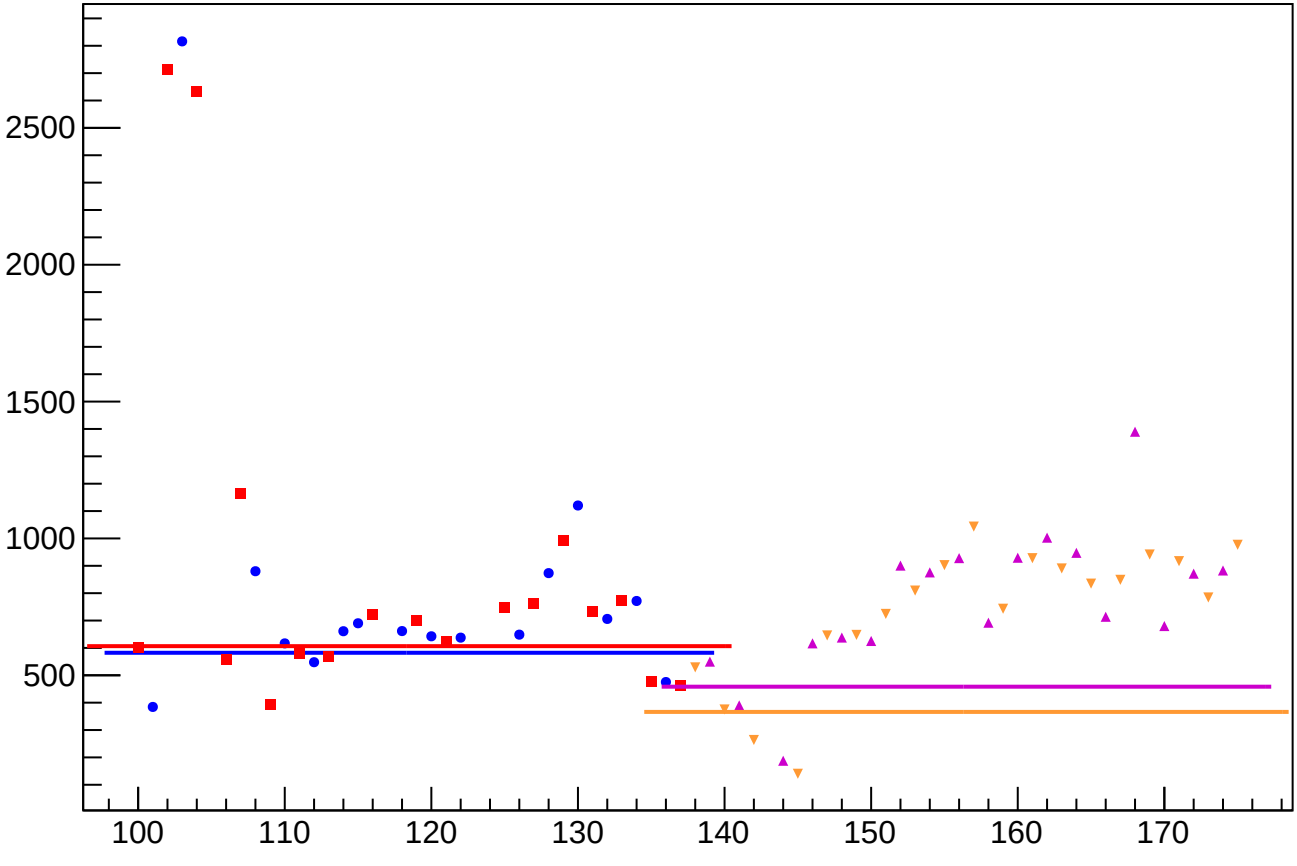
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 134.573+/-120.438 χ^2/NDF:29.5/33

Out: 1.420+/-109.254 χ^2/NDF:30.2/36

All: 61.529+/-80.920 χ^2/NDF: 60.4/70

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 366.216+/-0.086 χ^2/NDF:11297547.2/18

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 458.352+/-0.100 χ^2/NDF:8217506.0/17

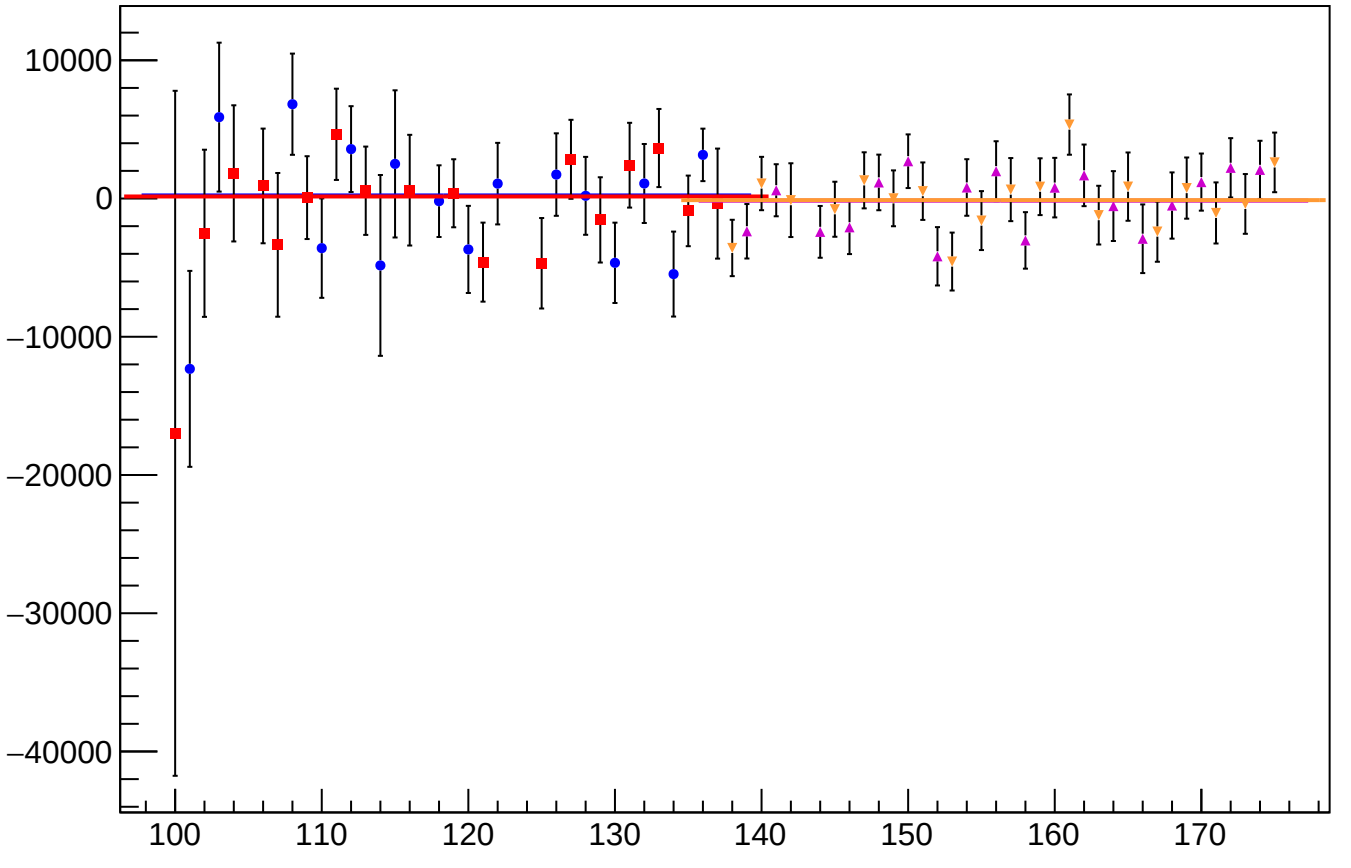
Left: 405.650+/-0.065 χ^2/NDF: 20003685.2/36

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 491.830+/-0.085 χ^2/NDF:10389261.0/33

Out: 413.626+/-0.077 χ^2/NDF:15027692.4/36

All: 448.930+/-0.057 χ^2/NDF: 25879545.4/70



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -116.503+/-491.350 χ^2/NDF:19.0/18

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -155.736+/-493.520 χ^2/NDF:18.2/17

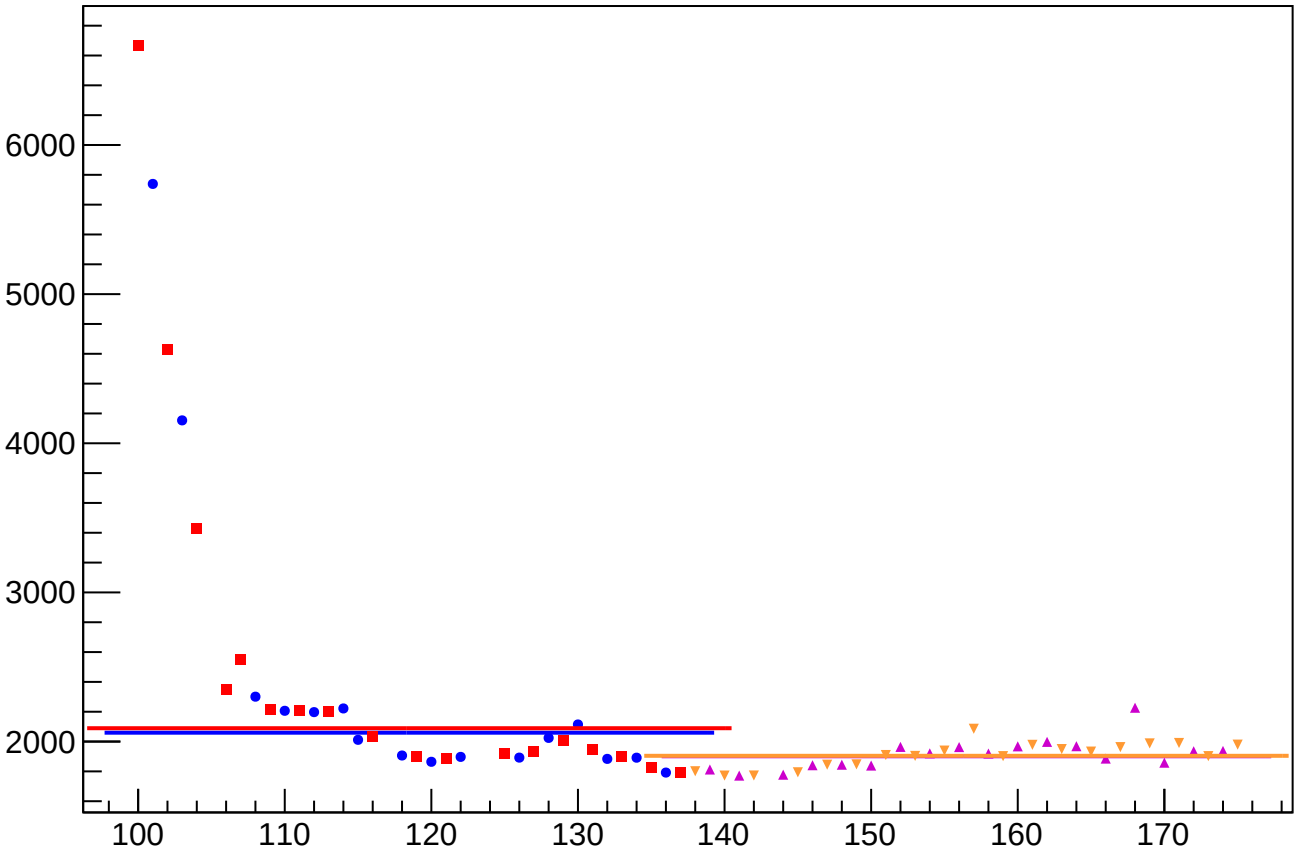
Left: -136.033+/-348.202 χ^2/NDF: 37.2/36

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -49.319+/-418.808 χ^2/NDF:39.5/33

Out: -43.291+/-417.845 χ^2/NDF:30.7/36

All: -46.298+/-295.801 χ^2/NDF: 70.2/70



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1904.469+/-0.347 χ^2/NDF:55310.7/18

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1901.199+/-0.349 χ^2/NDF:77537.7/17

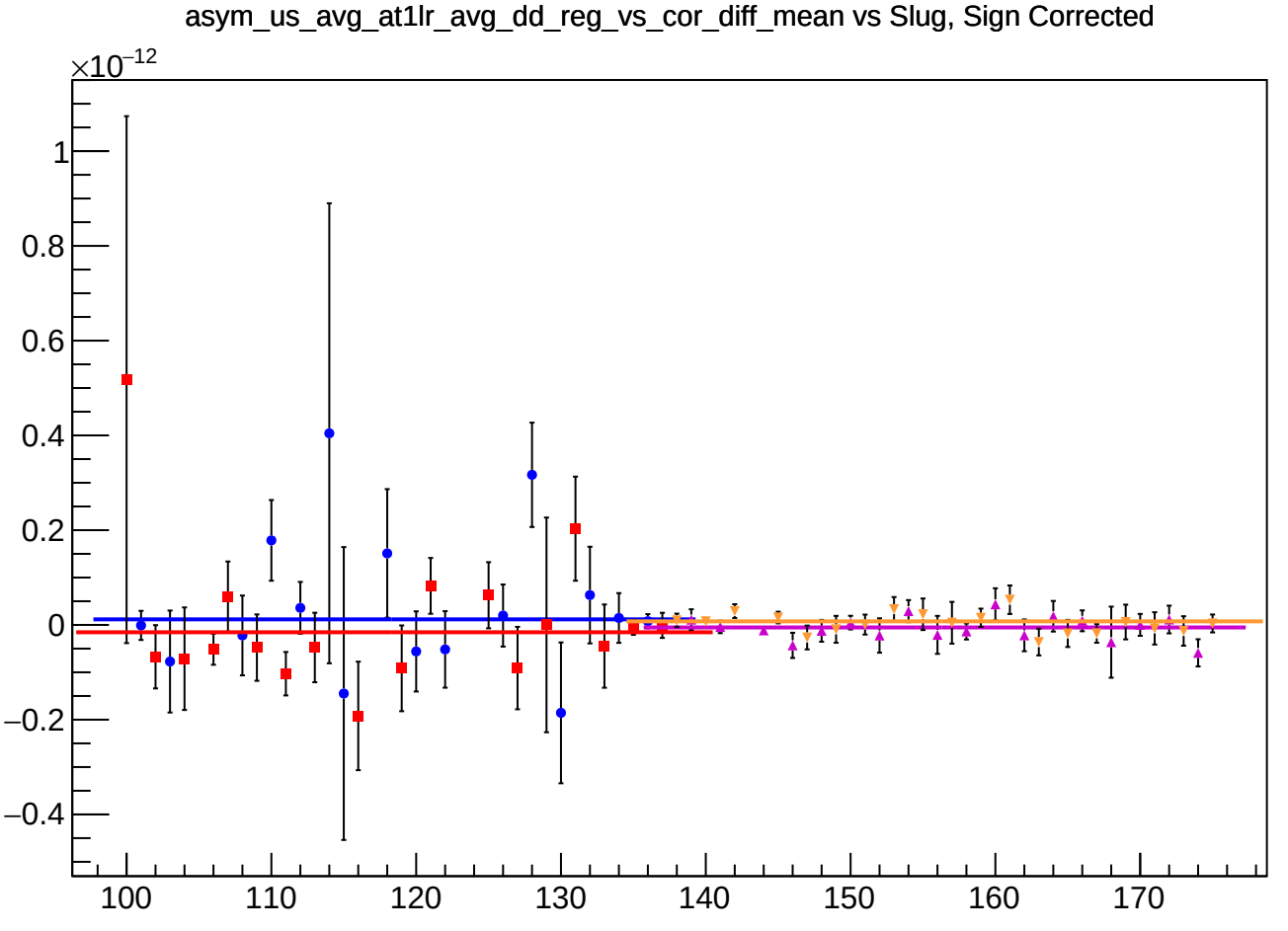
Left: 1902.841+/-0.246 χ^2/NDF: 132892.5/36

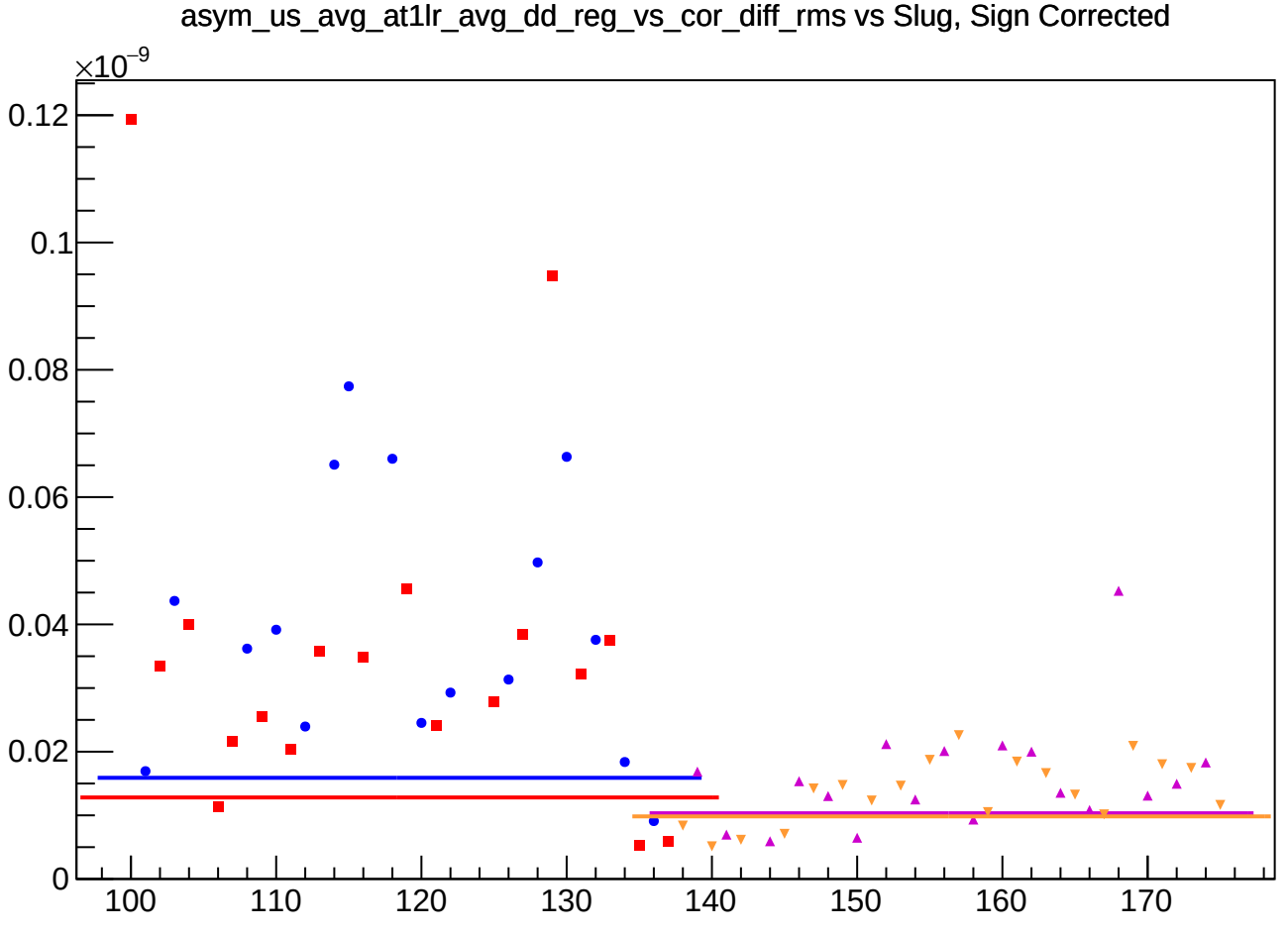
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1945.499+/-0.296 χ^2/NDF:1074995.0/33

Out: 1955.683+/-0.295 χ^2/NDF:815267.4/36

All: 1950.603+/-0.209 χ^2/NDF: 1890855.0/70


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:14.2/18
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:13.8/17
Left: 0.000+/-0.000 χ²/NDF: 31.8/36
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:33.7/33
Out: 0.000+/-0.000 χ²/NDF:38.9/36
All: 0.000+/-0.000 χ²/NDF: 73.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2006985.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2379888.9/17

Left: 0.000+/-0.000 χ^2/NDF: 4398211.1/36

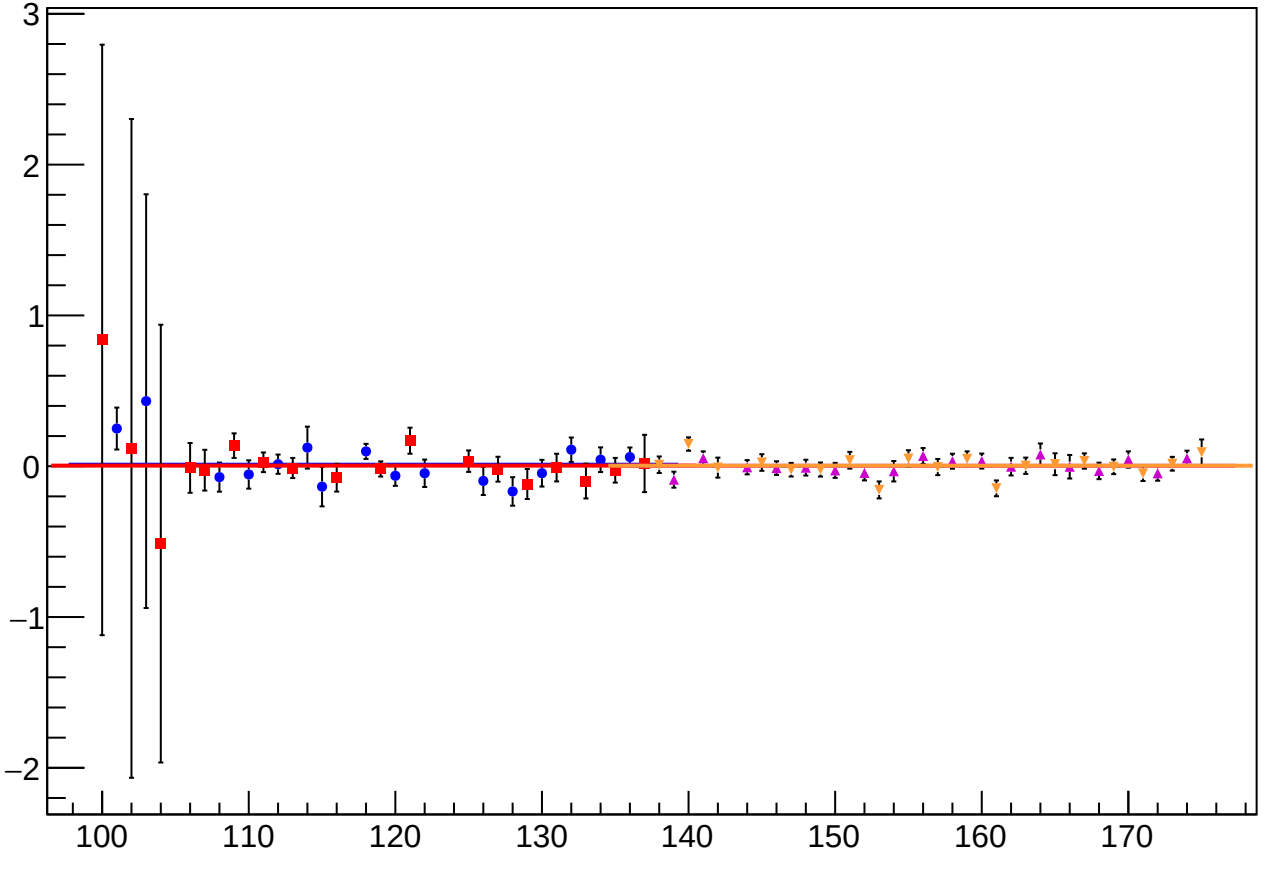
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4710751.3/33

Out: 0.000+/-0.000 χ^2/NDF:4624862.7/36

All: 0.000+/-0.000 χ^2/NDF: 9375898.8/70

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.003+/-0.009 χ^2/NDF: 44.7/36

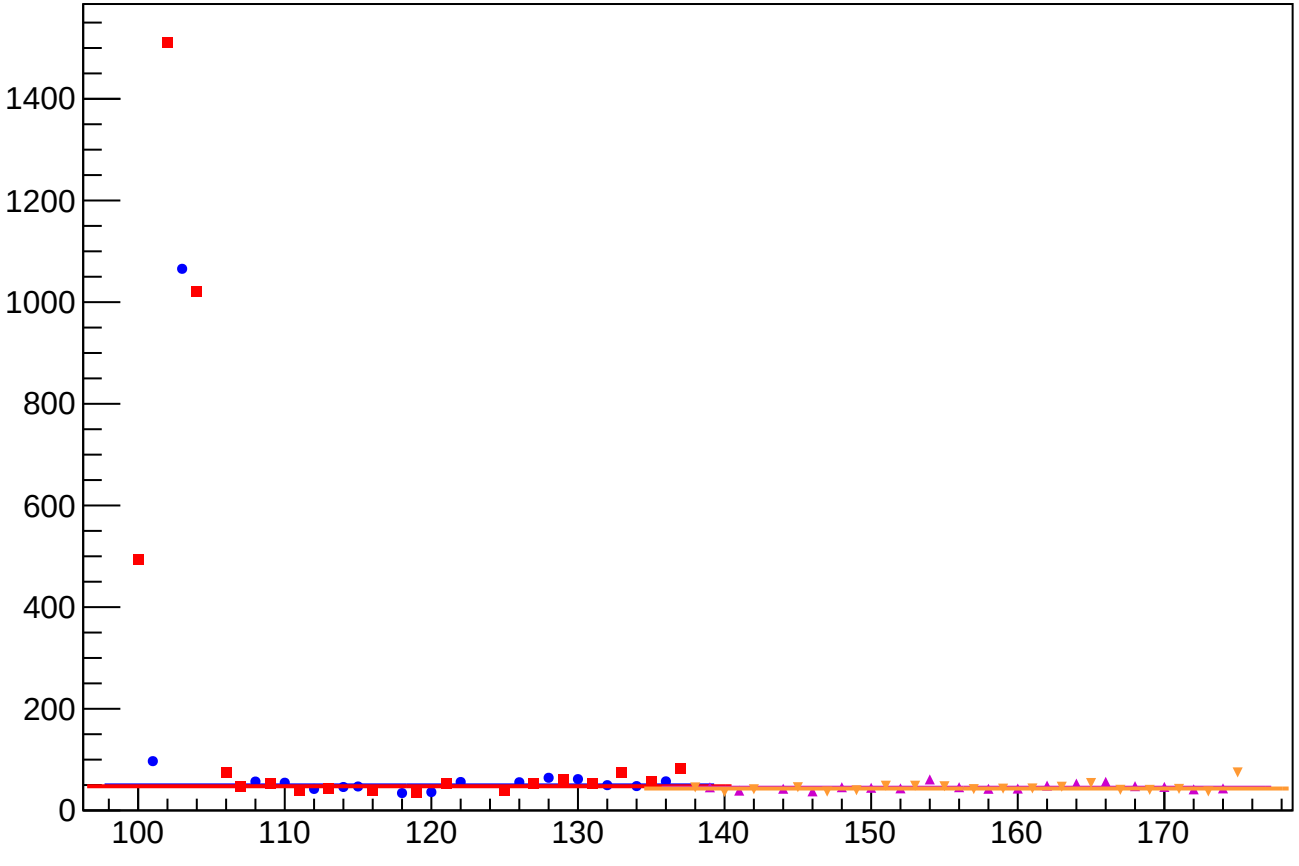
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.004+/-0.008 χ^2/NDF: 73.7/70

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.152+/-0.009 χ^2/NDF:527839.5/18

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.730+/-0.009 χ^2/NDF:306466.6/17

Left: 43.923+/-0.006 χ^2/NDF: 850794.7/36

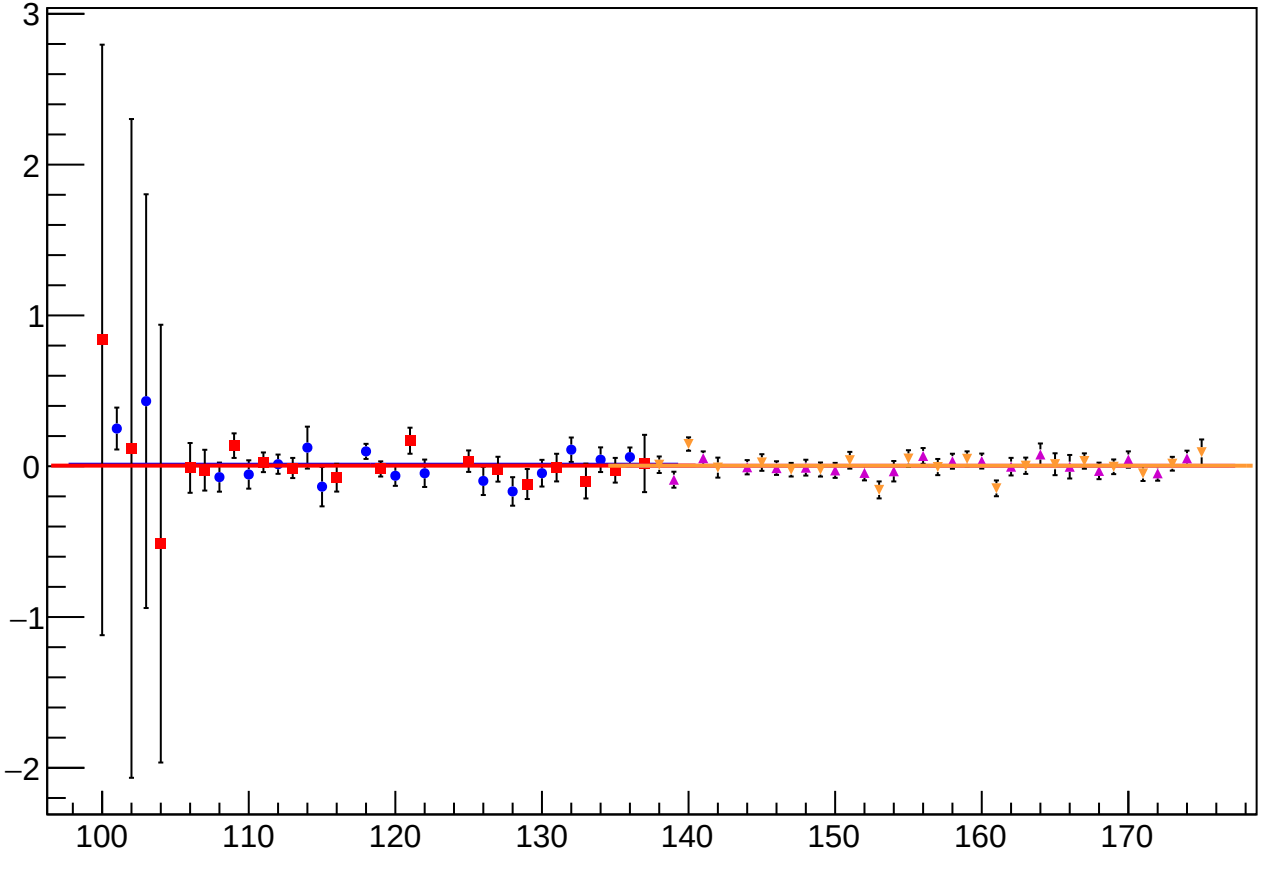
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.928+/-0.008 χ^2/NDF:2154821.4/33

Out: 44.228+/-0.007 χ^2/NDF:3010974.9/36

All: 45.069+/-0.005 χ^2/NDF: 5191363.0/70

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.003+/-0.009 χ^2/NDF: 44.7/36

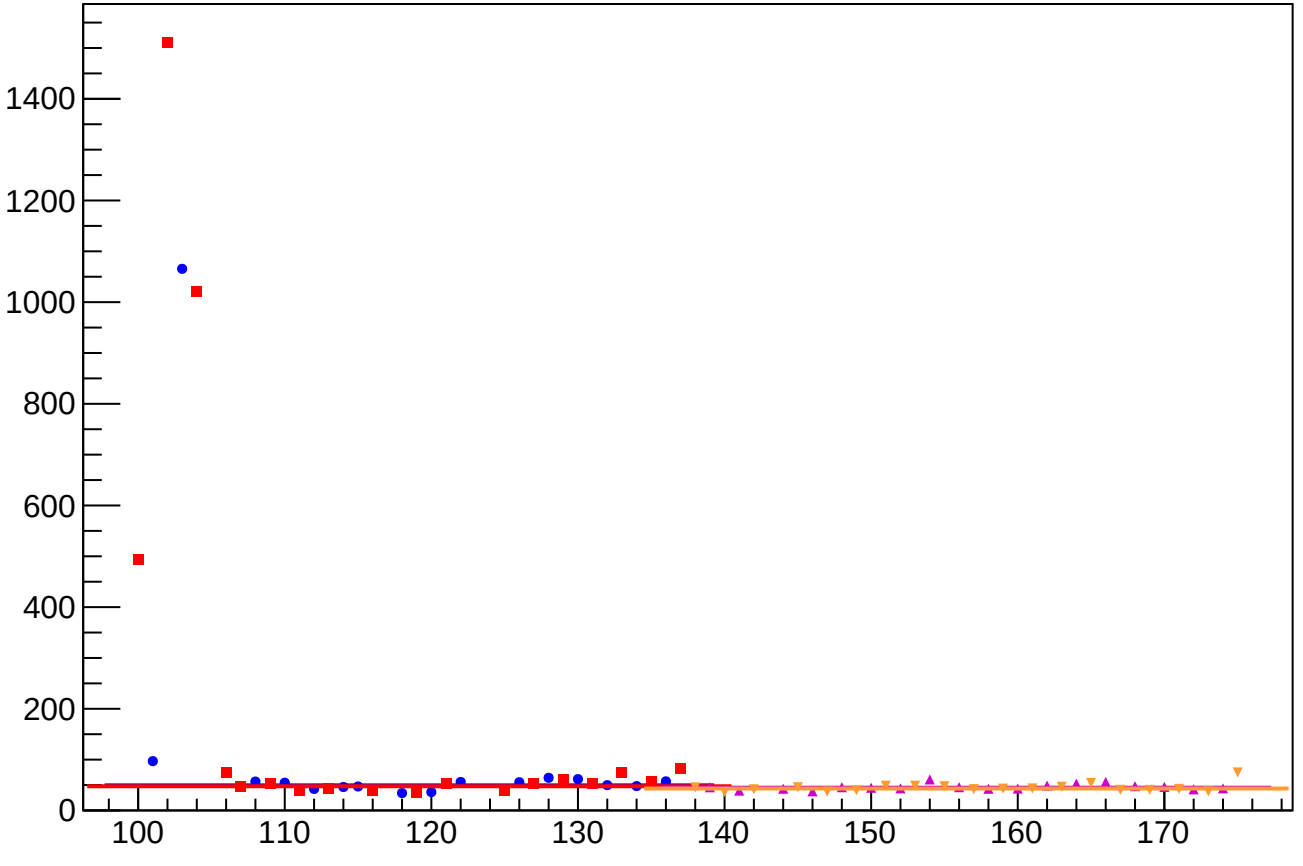
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.004+/-0.008 χ^2/NDF: 73.7/70

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.152+/-0.009 χ^2/NDF:527839.5/18

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.730+/-0.009 χ^2/NDF:306466.6/17

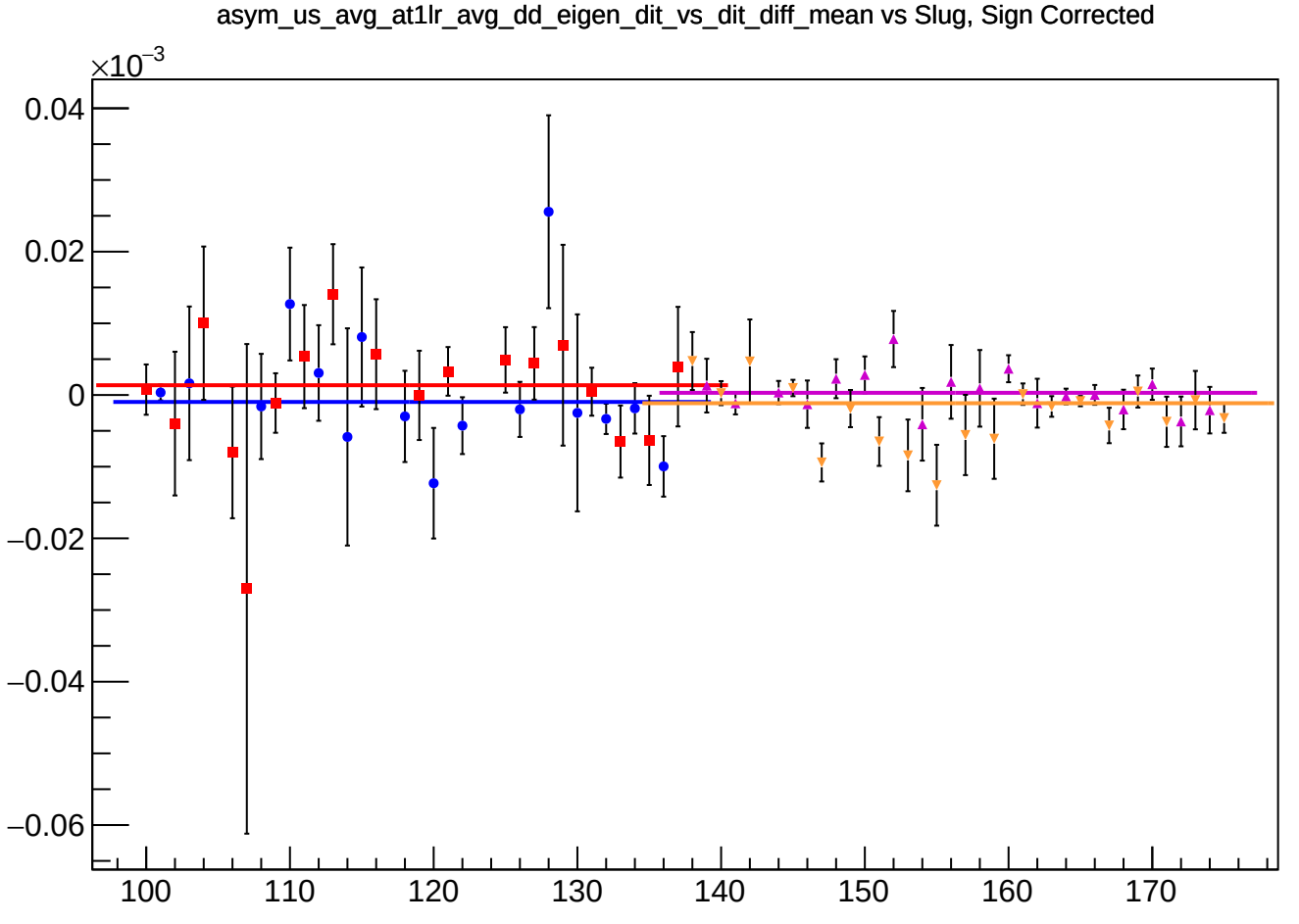
Left: 43.923+/-0.006 χ^2/NDF: 850794.7/36

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.928+/-0.008 χ^2/NDF:2154821.4/33

Out: 44.228+/-0.007 χ^2/NDF:3010974.9/36

All: 45.069+/-0.005 χ^2/NDF: 5191363.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/17

Left: -0.000+/-0.000 χ^2/NDF: 50.0/36

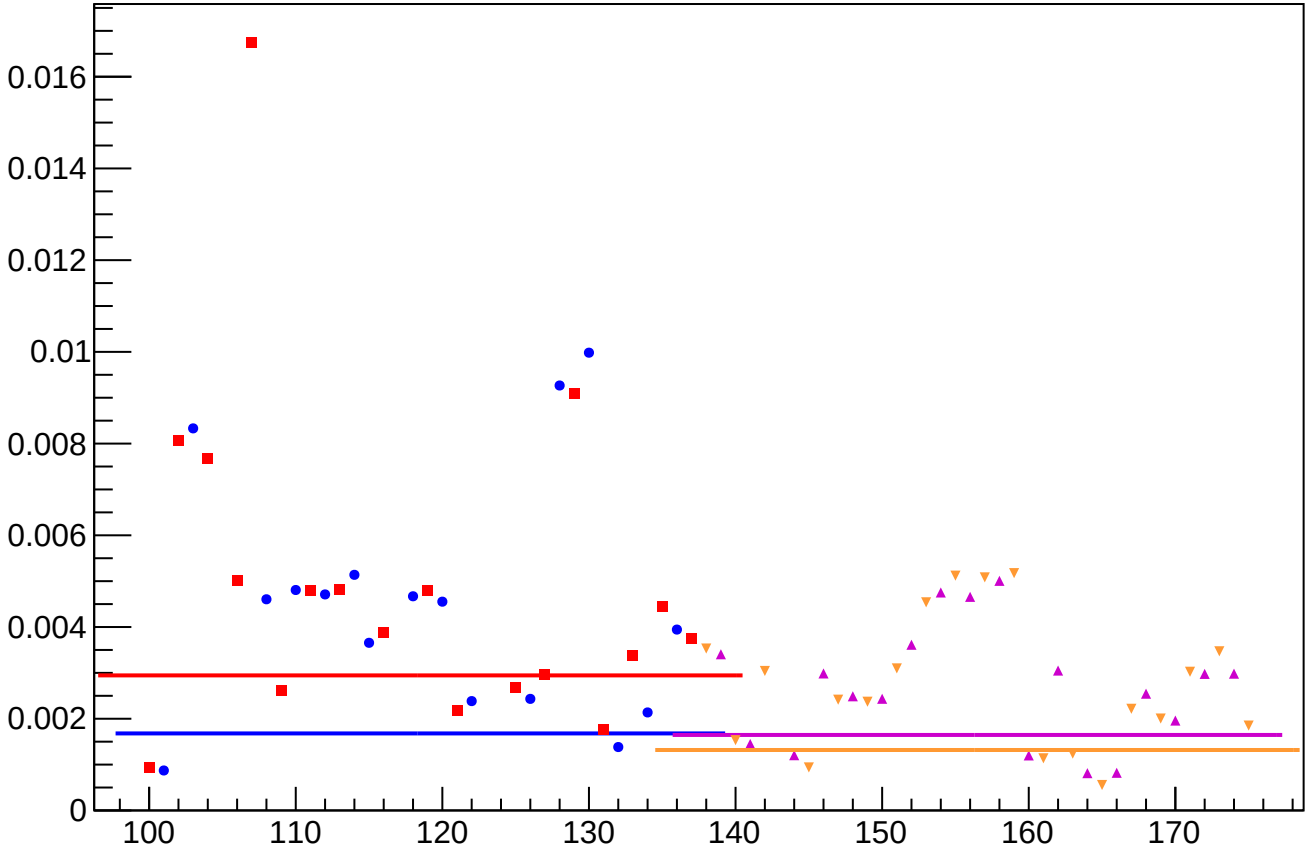
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:34.0/33

Out: -0.000+/-0.000 χ^2/NDF:47.8/36

All: -0.000+/-0.000 χ^2/NDF: 83.8/70

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9764704.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:7273224.8/17

Left: 0.001+/-0.000 χ^2/NDF: 17506332.0/36

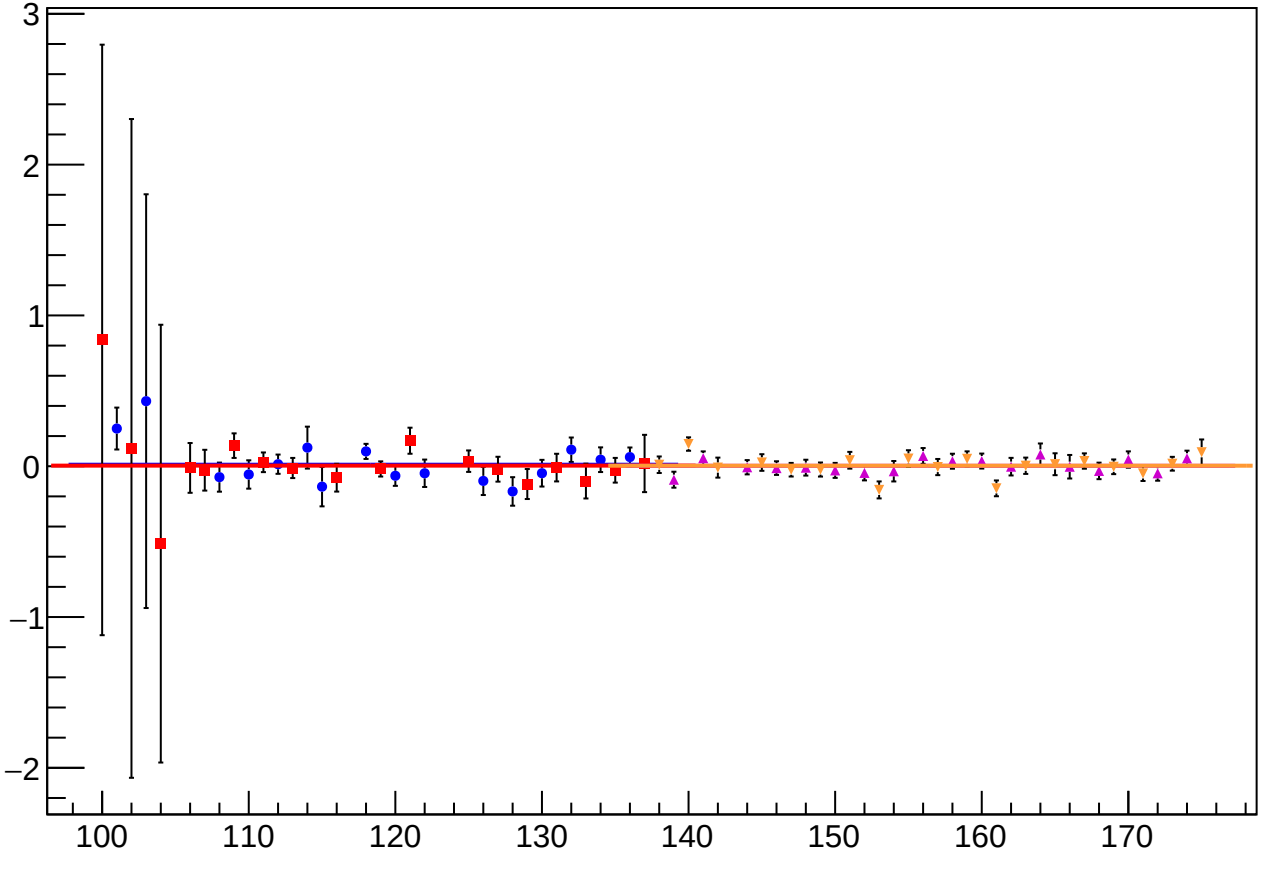
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13235767.9/33

Out: 0.001+/-0.000 χ^2/NDF:16005474.3/36

All: 0.002+/-0.000 χ^2/NDF: 29405876.9/70

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.003+/-0.009 χ^2/NDF: 44.7/36

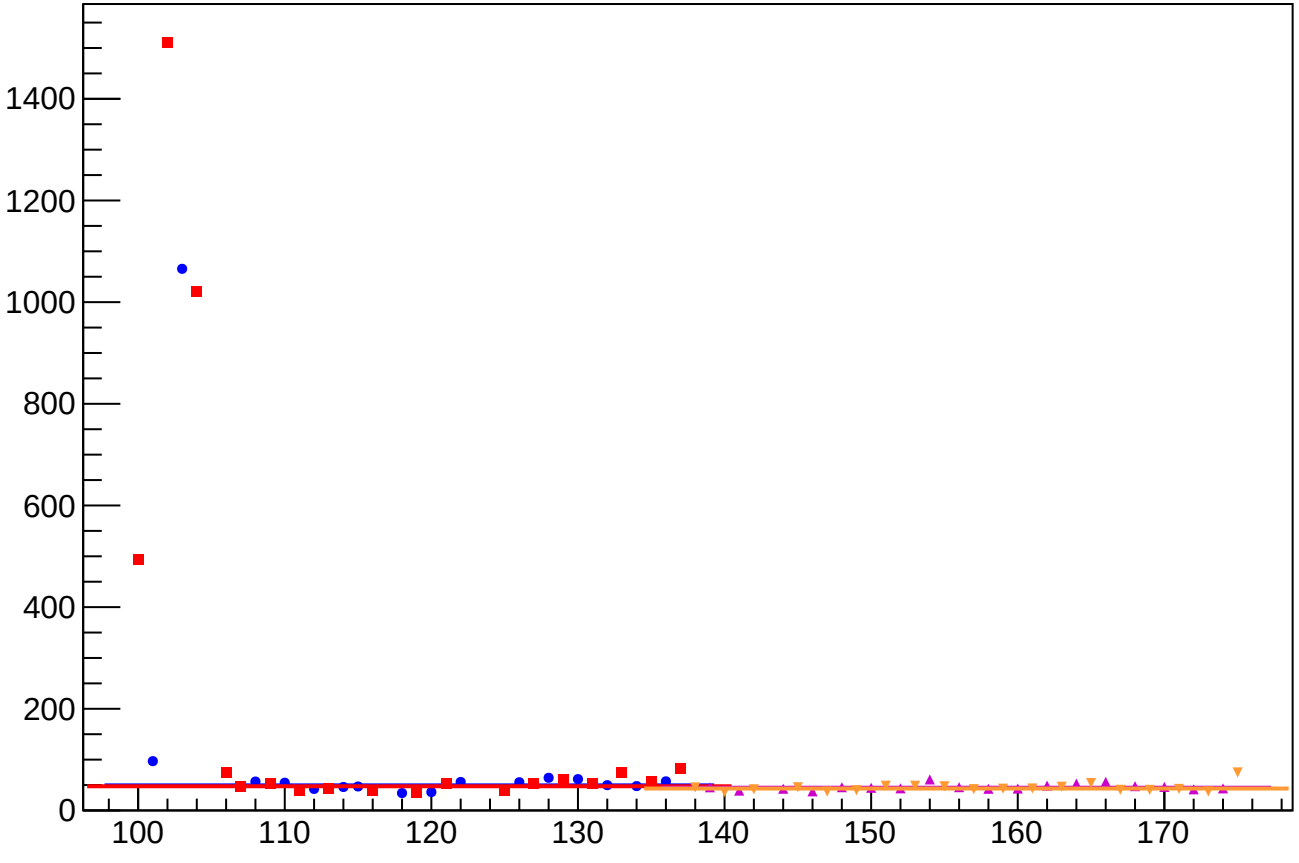
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.004+/-0.008 χ^2/NDF: 73.7/70

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.152+/-0.009 χ^2/NDF:527851.1/18

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.730+/-0.009 χ^2/NDF:306528.4/17

Left: 43.923+/-0.006 χ^2/NDF: 850858.9/36

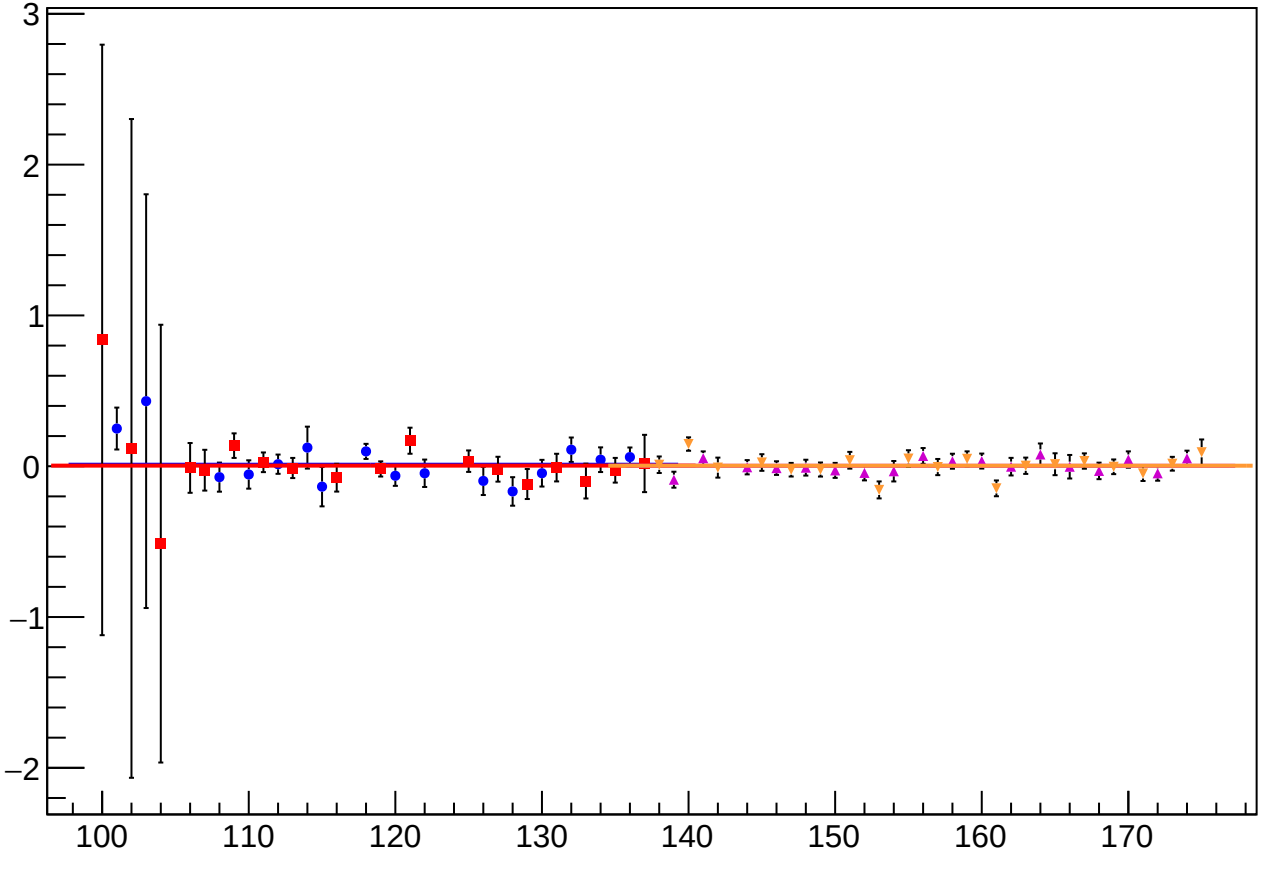
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.928+/-0.008 χ^2/NDF:2154831.1/33

Out: 44.228+/-0.007 χ^2/NDF:3010992.0/36

All: 45.069+/-0.005 χ^2/NDF: 5191388.0/70

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.003+/-0.009 χ^2/NDF: 44.7/36

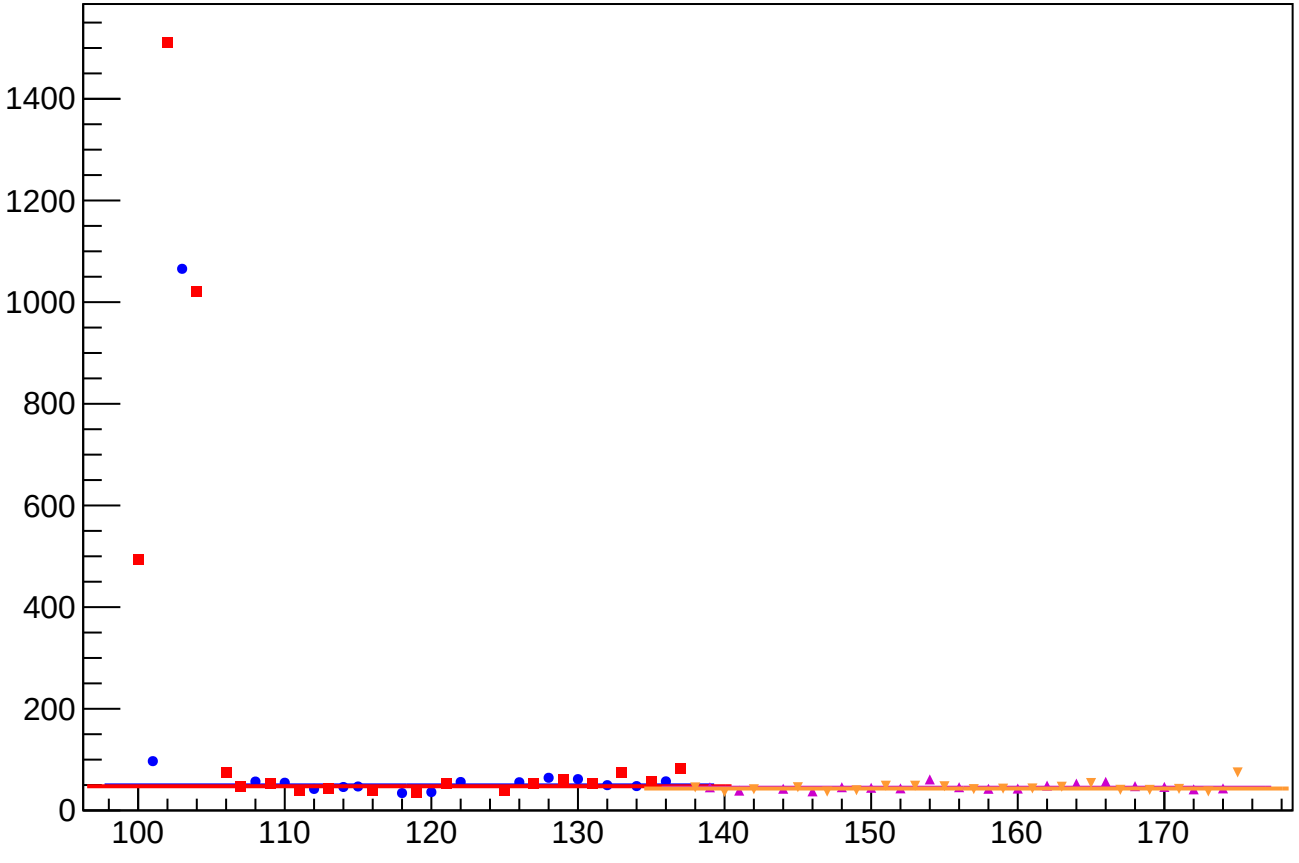
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.004+/-0.008 χ^2/NDF: 73.7/70

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.152+/-0.009 χ^2/NDF:527851.1/18

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.730+/-0.009 χ^2/NDF:306528.4/17

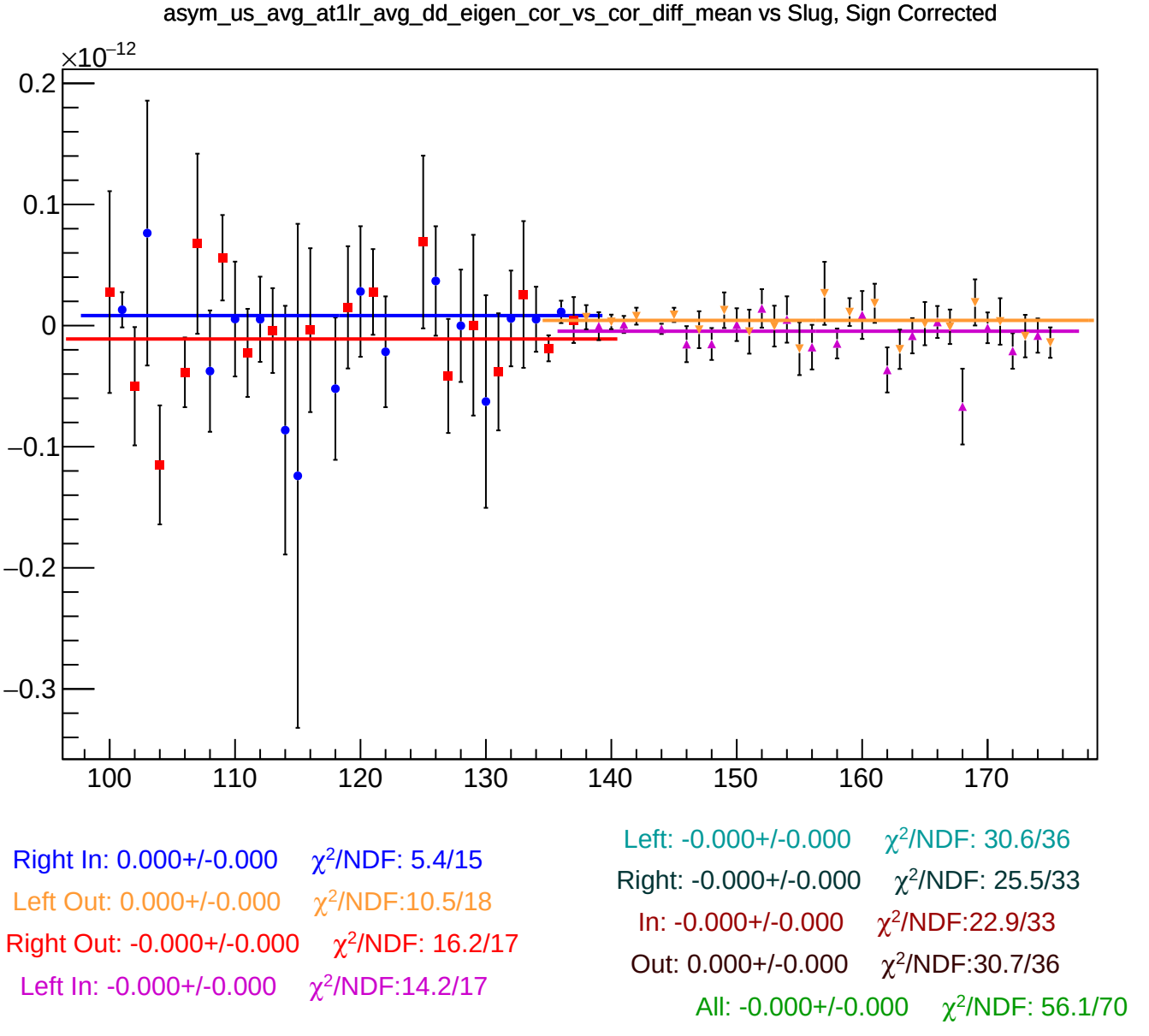
Left: 43.923+/-0.006 χ^2/NDF: 850858.9/36

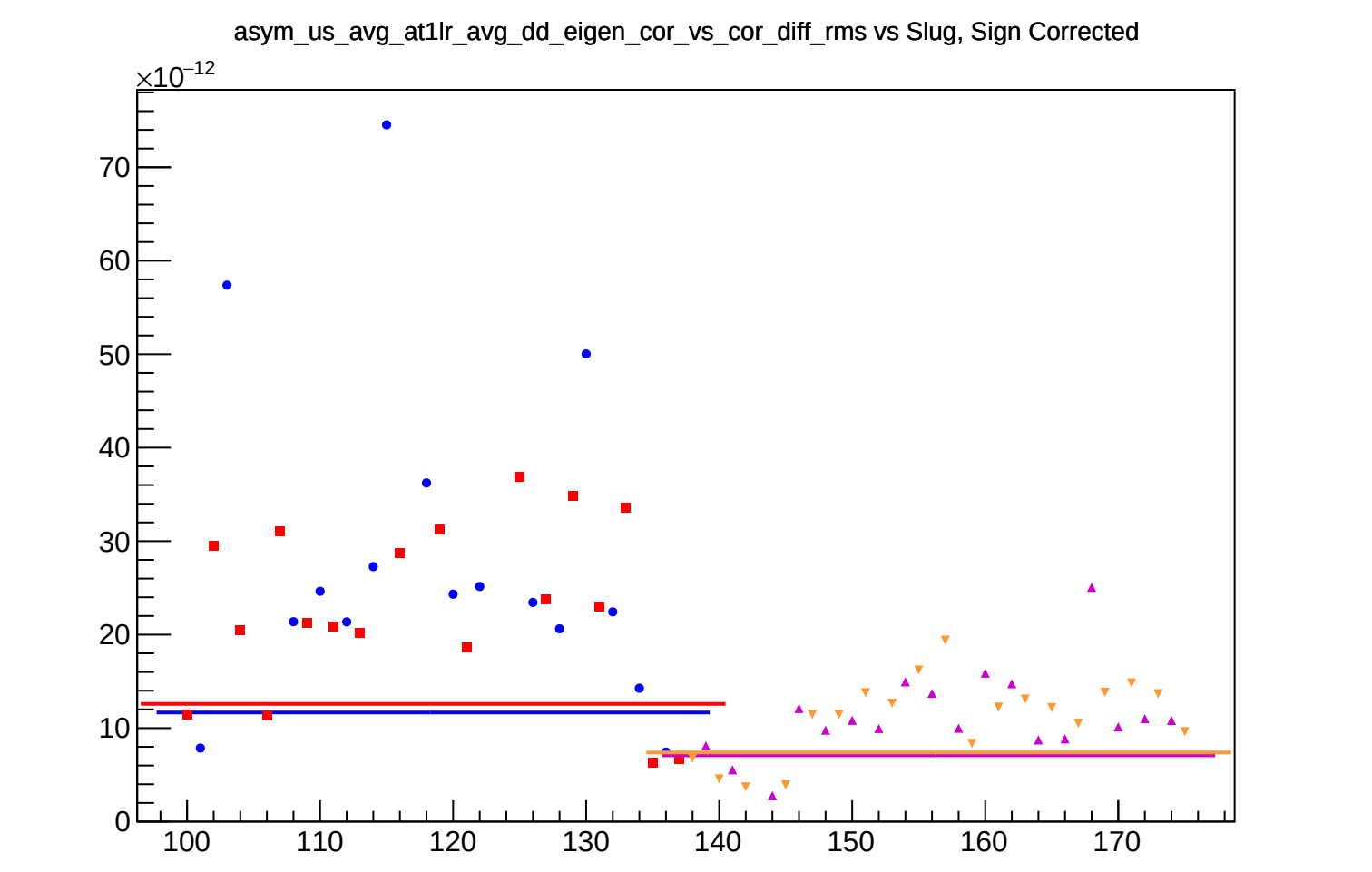
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.928+/-0.008 χ^2/NDF:2154831.1/33

Out: 44.228+/-0.007 χ^2/NDF:3010992.0/36

All: 45.069+/-0.005 χ^2/NDF: 5191388.0/70


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.2/17
Left: -0.000+/-0.000 χ²/NDF: 30.6/36
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:22.9/33
Out: 0.000+/-0.000 χ²/NDF:30.7/36
All: -0.000+/-0.000 χ²/NDF: 56.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4722124.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5306322.0/17

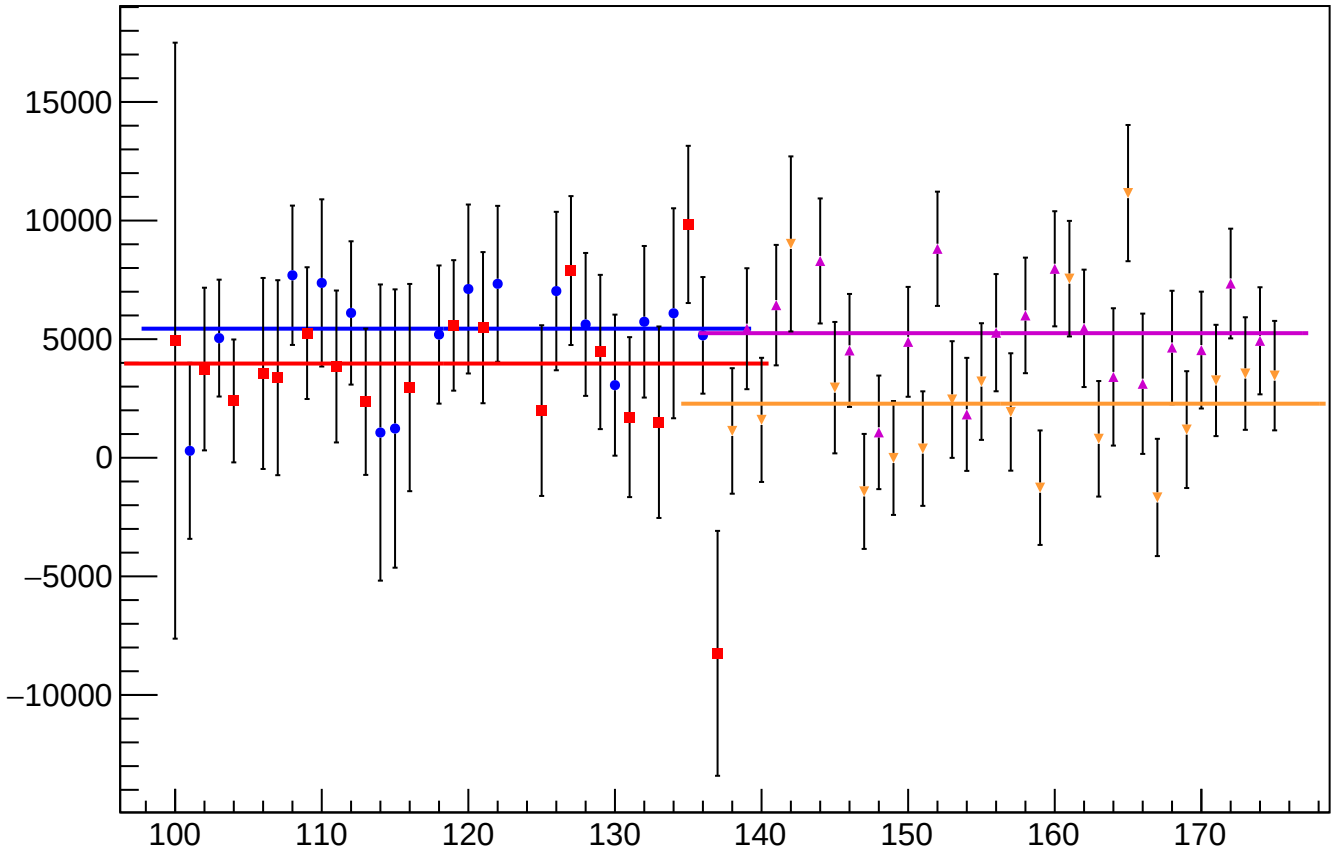
Left: 0.000+/-0.000 χ^2/NDF: 10042728.5/36

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9034358.1/33

Out: 0.000+/-0.000 χ^2/NDF:8558128.5/36

All: 0.000+/-0.000 χ^2/NDF: 17609299.5/70



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.698+/-576.629 χ^2/NDF:27.9/18

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5252.475+/-581.195 χ^2/NDF:12.2/17

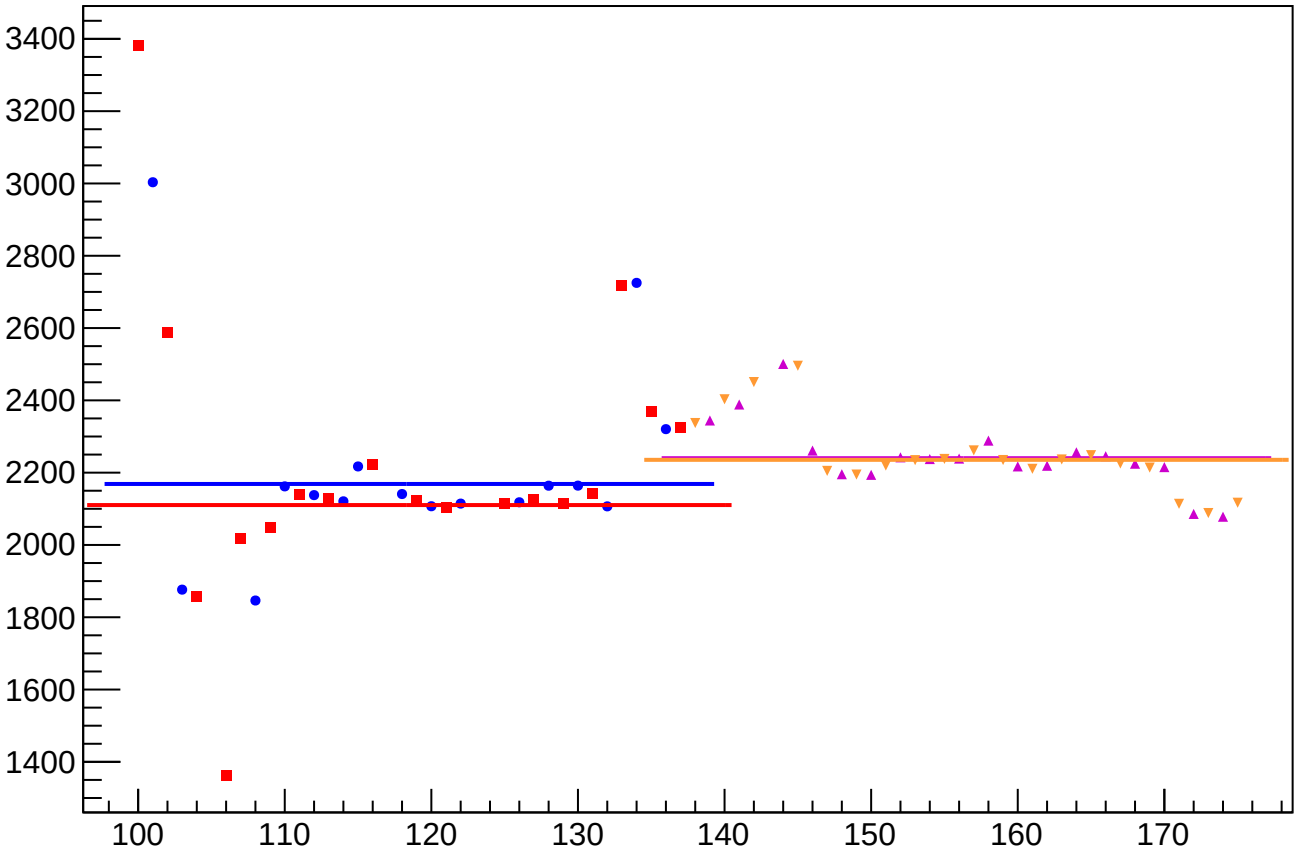
Left: 3754.361+/-409.343 χ^2/NDF: 53.3/36

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5316.737+/-472.714 χ^2/NDF:17.6/33

Out: 2849.698+/-469.564 χ^2/NDF:43.8/36

All: 4074.969+/-333.140 χ^2/NDF: 75.1/70



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

Left: 2237.733+/-0.289 χ^2/NDF: 107711.9/36

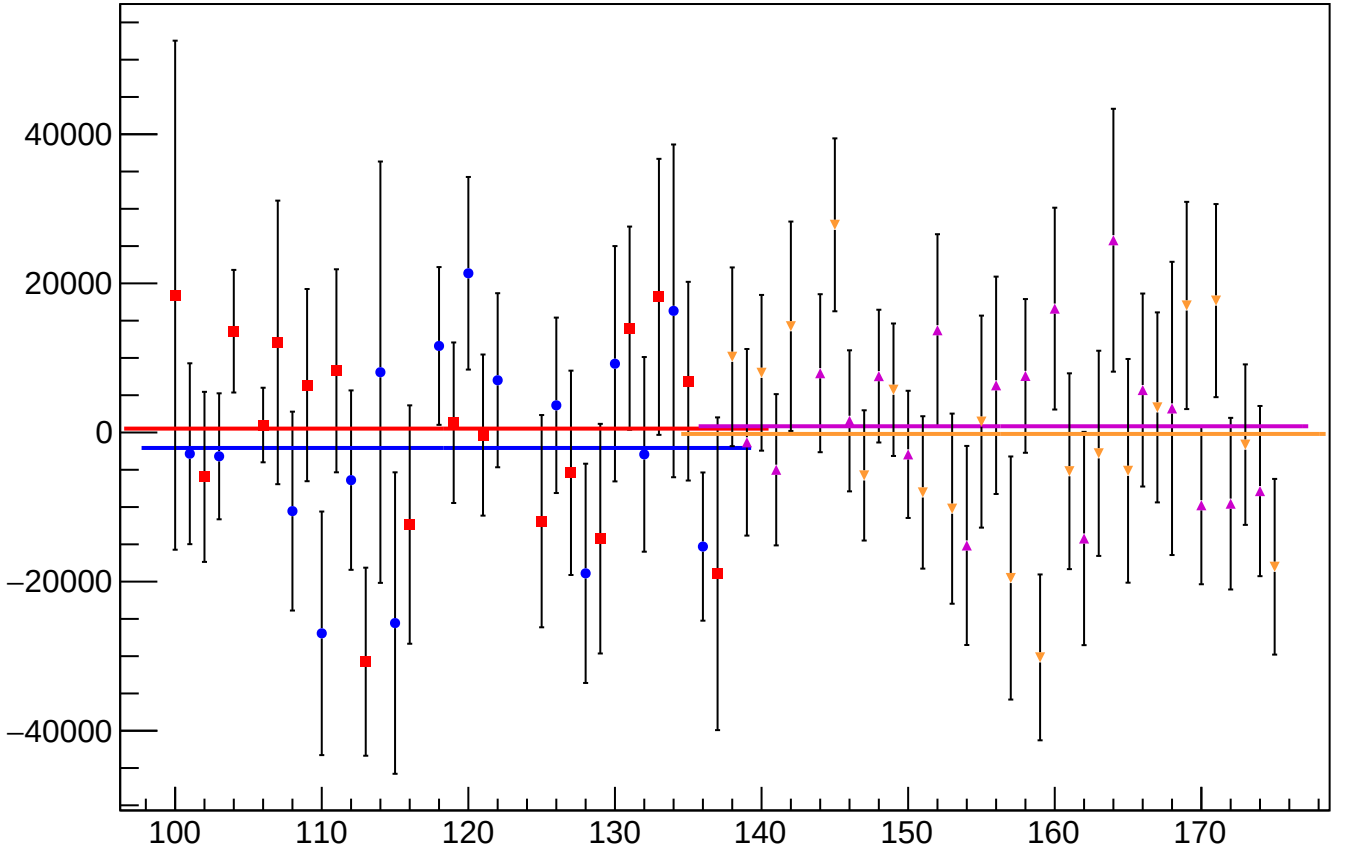
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2215.893+/-0.334 χ^2/NDF:257892.3/33

Out: 2192.426+/-0.330 χ^2/NDF:355414.1/36

All: 2204.017+/-0.235 χ^2/NDF: 615800.7/70

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -192.570+/-2715.657 χ^2/NDF:25.1/18

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 836.476+/-2726.071 χ^2/NDF:11.6/17

Left: 319.983+/-1923.931 χ^2/NDF: 36.8/36

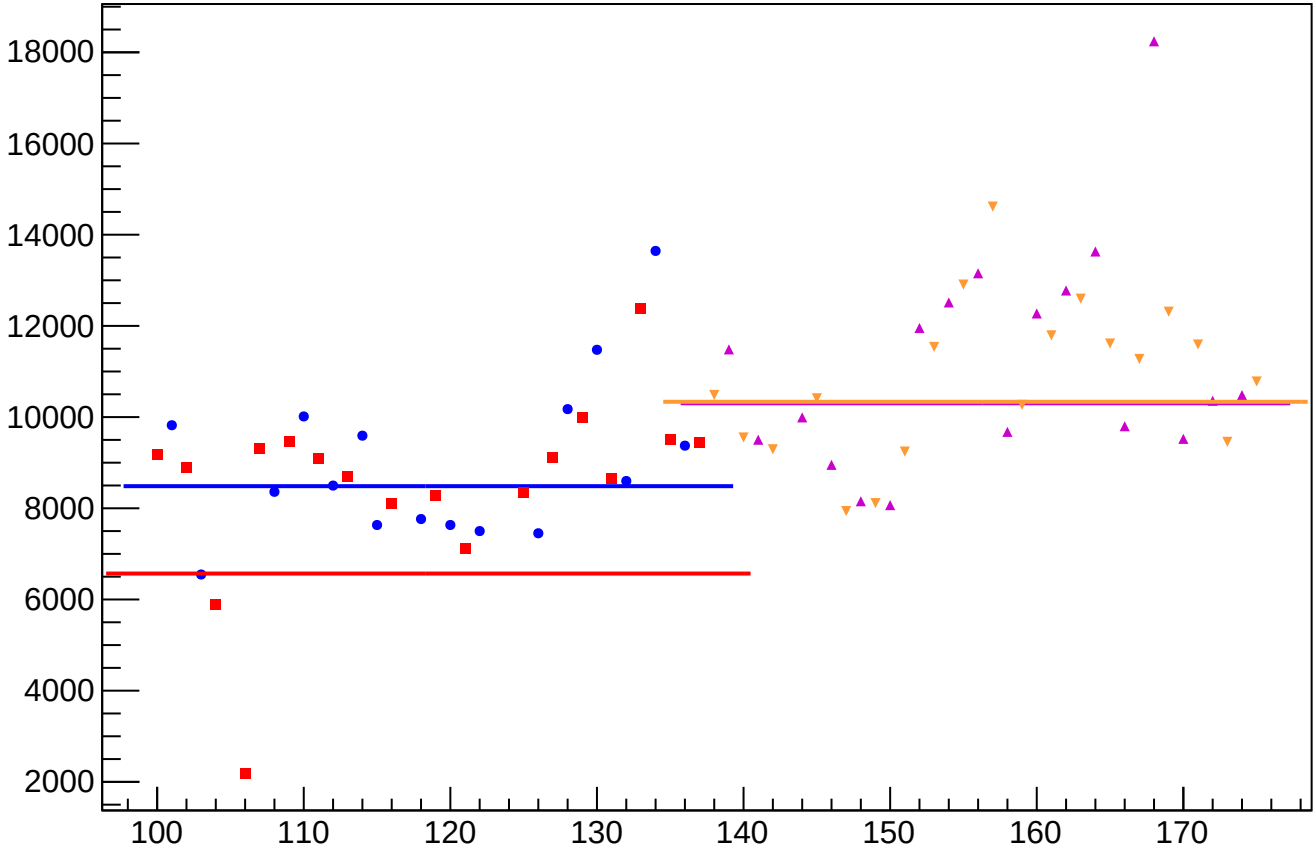
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -382.486+/-2078.443 χ^2/NDF:26.5/33

Out: 164.451+/-1920.235 χ^2/NDF:40.8/36

All: -87.412+/-1410.430 χ^2/NDF: 67.4/70

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10335.982+/-1.920 χ^2/NDF:721899.6/18

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10302.702+/-1.928 χ^2/NDF:1011938.2/17

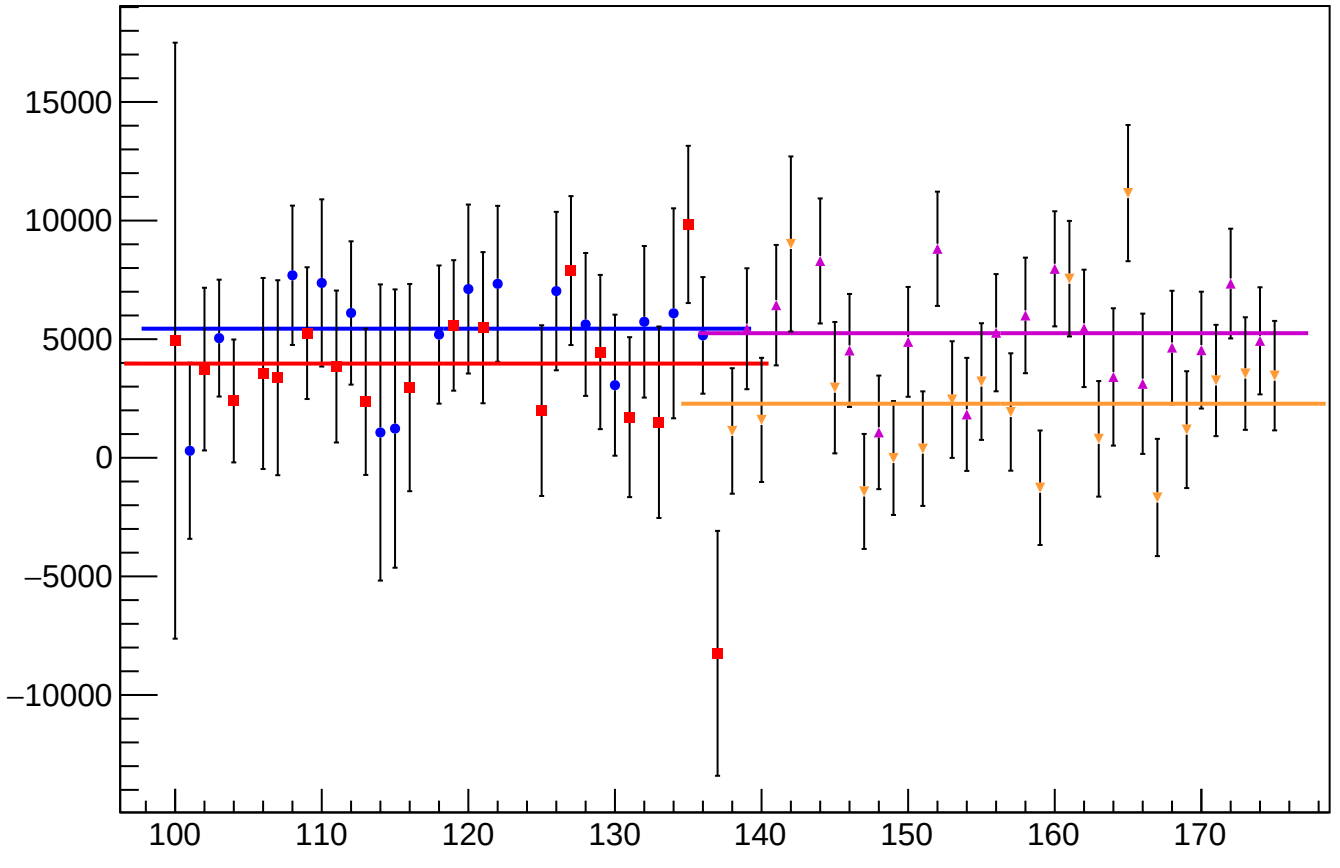
Left: 10319.406+/-1.360 χ^2/NDF: 1733987.4/36

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9541.635+/-1.470 χ^2/NDF:1806951.8/33

Out: 8452.298+/-1.358 χ^2/NDF:5215274.8/36

All: 8953.934+/-0.997 χ^2/NDF: 7318622.6/70



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5252.456+/-581.195 χ^2/NDF:12.2/17

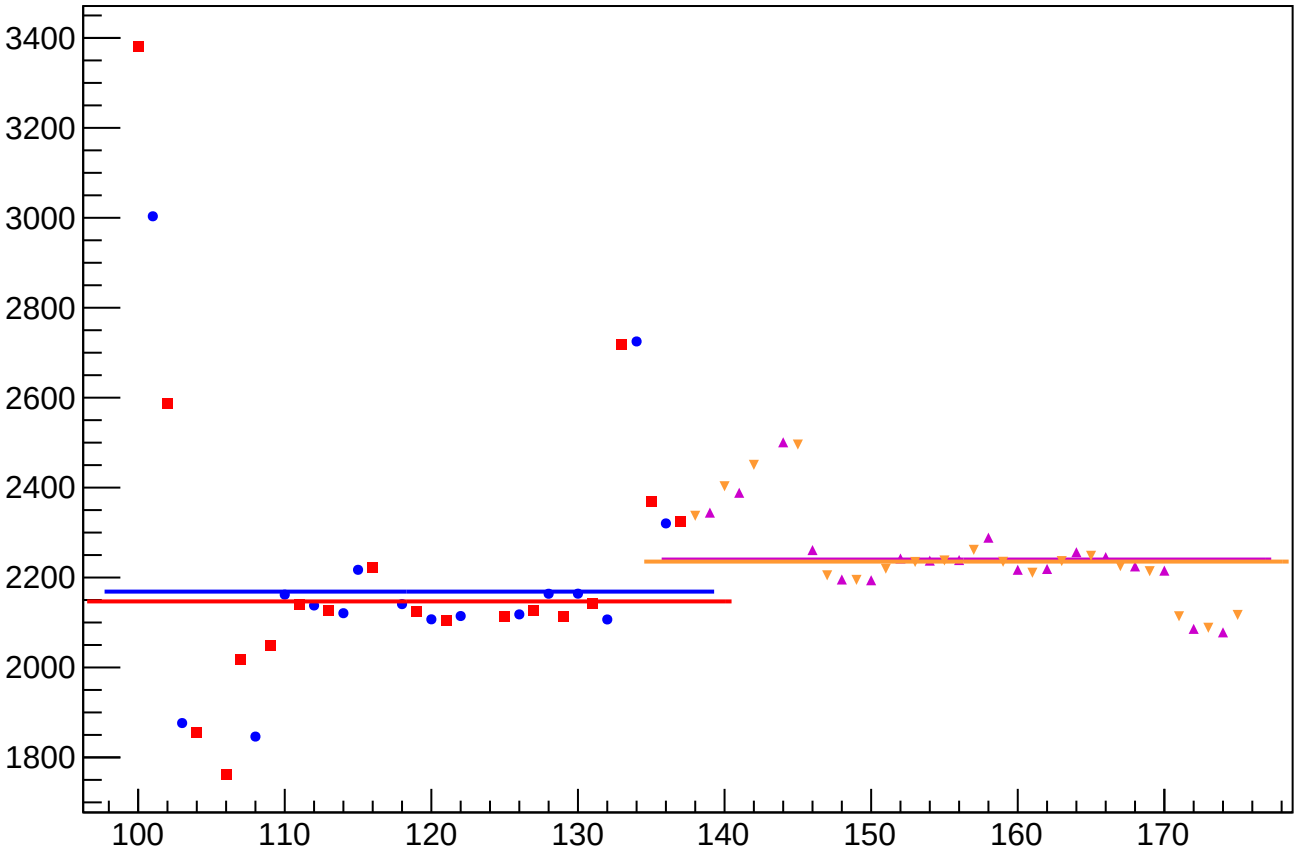
Left: 3754.314+/-409.343 χ^2/NDF: 53.3/36

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5316.772+/-472.714 χ^2/NDF:17.6/33

Out: 2849.562+/-469.564 χ^2/NDF:43.8/36

All: 4074.918+/-333.140 χ^2/NDF: 75.1/70



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

Left: 2237.733+/-0.289 χ^2/NDF: 107711.9/36

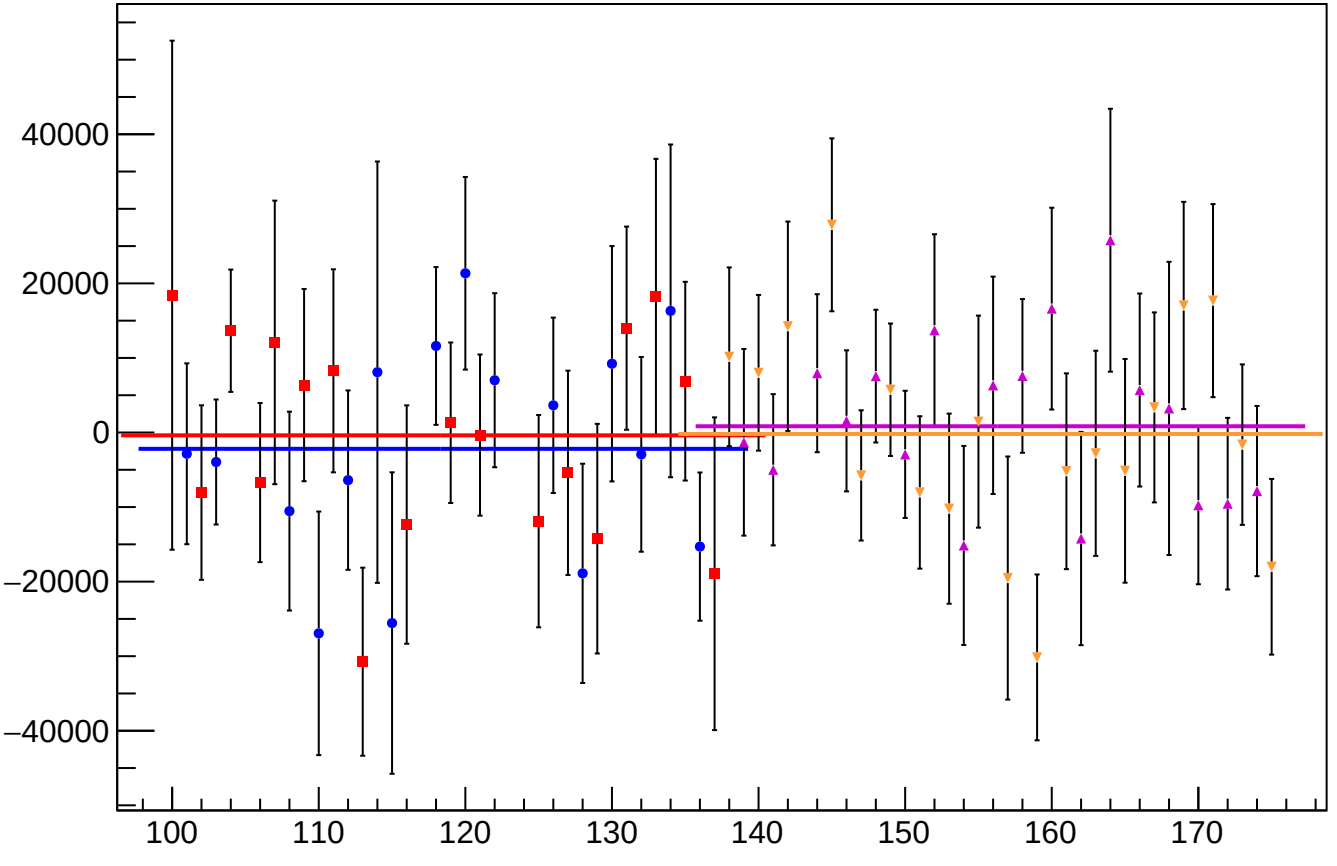
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2215.893+/-0.334 χ^2/NDF:257892.7/33

Out: 2205.432+/-0.331 χ^2/NDF:229365.3/36

All: 2210.619+/-0.235 χ^2/NDF: 487751.8/70

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -192.579+/-2715.656 χ^2/NDF:25.1/18

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 836.583+/-2726.070 χ^2/NDF:11.6/17

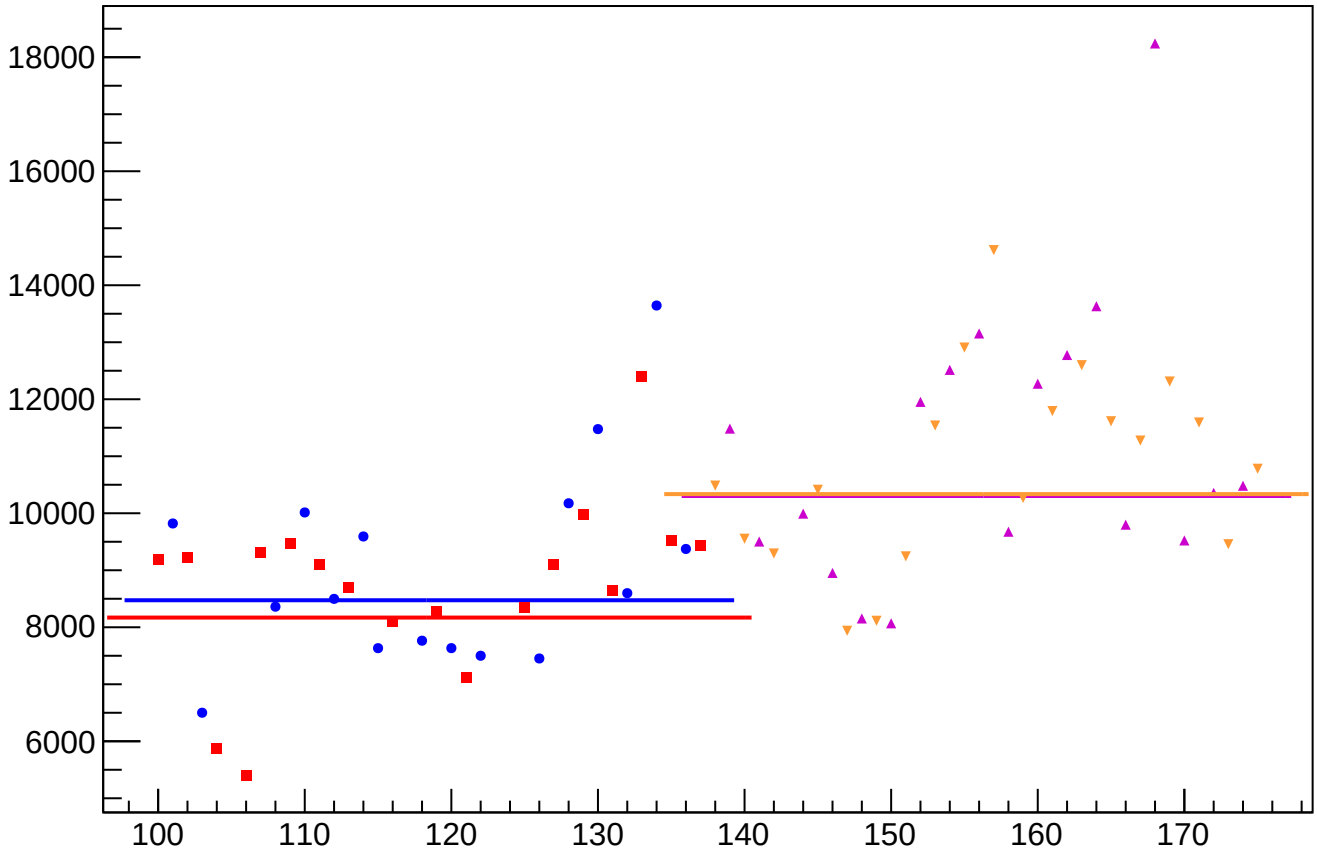
Left: 320.032+/-1923.930 χ^2/NDF: 36.8/36

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -431.966+/-2077.475 χ^2/NDF:26.6/33

Out: -273.627+/-2042.695 χ^2/NDF:41.4/36

All: -351.460+/-1456.544 χ^2/NDF: 68.0/70



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

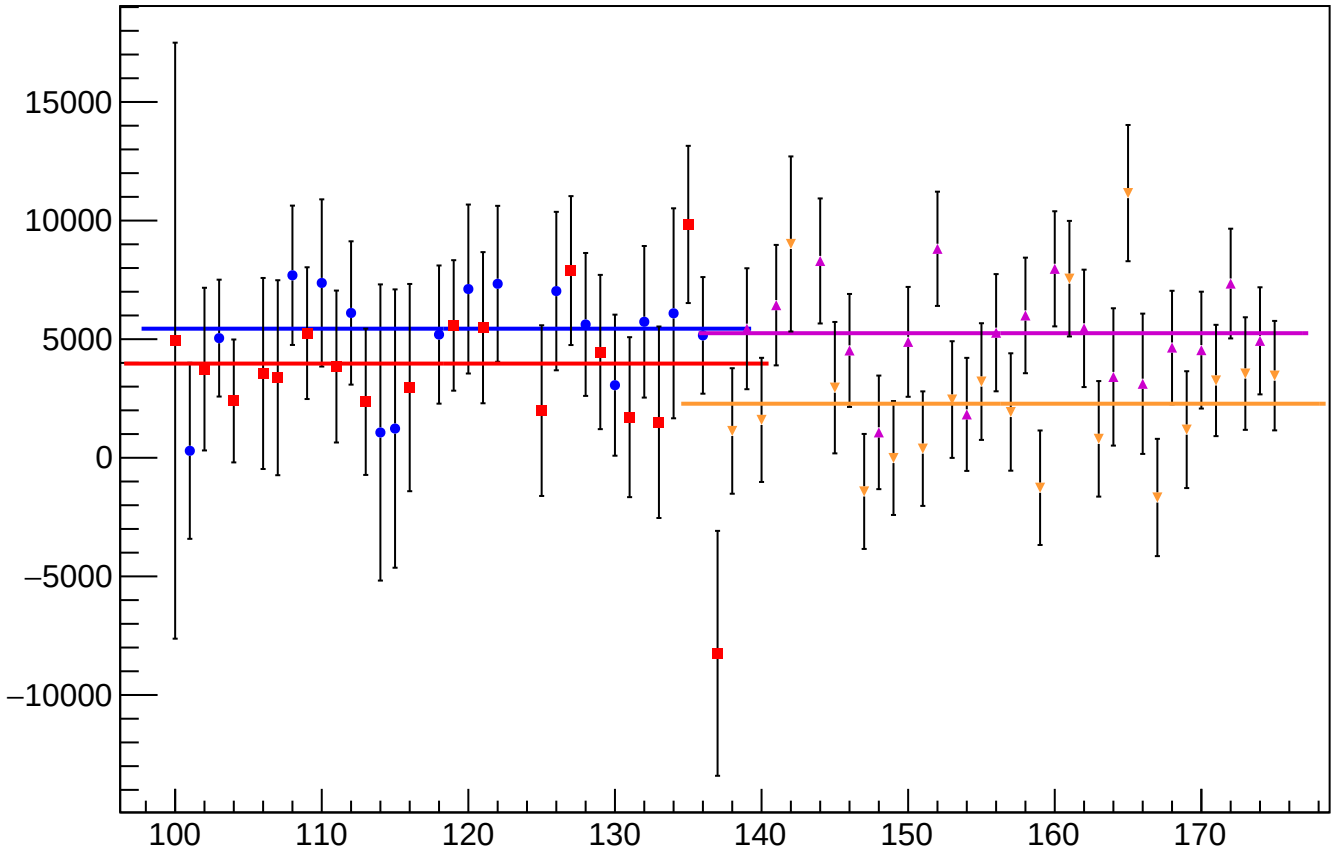
Left: 10319.401+/-1.360 χ^2/NDF: 1733994.6/36

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9535.930+/-1.469 χ^2/NDF:1818910.4/33

Out: 9395.506+/-1.444 χ^2/NDF:1814251.8/36

All: 9464.533+/-1.030 χ^2/NDF: 3637808.2/70



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5252.456+/-581.195 χ^2/NDF:12.2/17

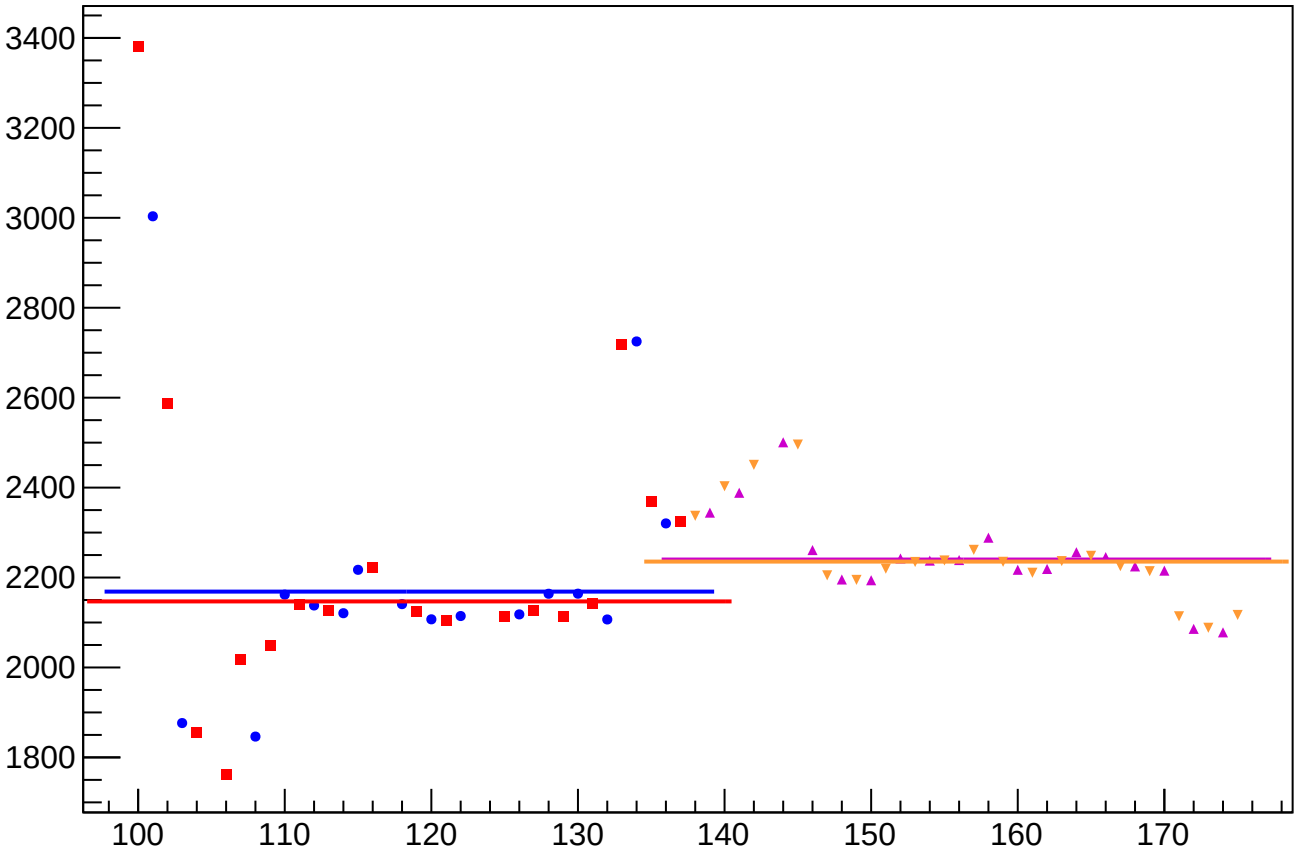
Left: 3754.314+/-409.343 χ^2/NDF: 53.3/36

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5316.772+/-472.714 χ^2/NDF:17.6/33

Out: 2849.562+/-469.564 χ^2/NDF:43.8/36

All: 4074.918+/-333.140 χ^2/NDF: 75.1/70



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

Left: 2237.733+/-0.289 χ^2/NDF: 107711.9/36

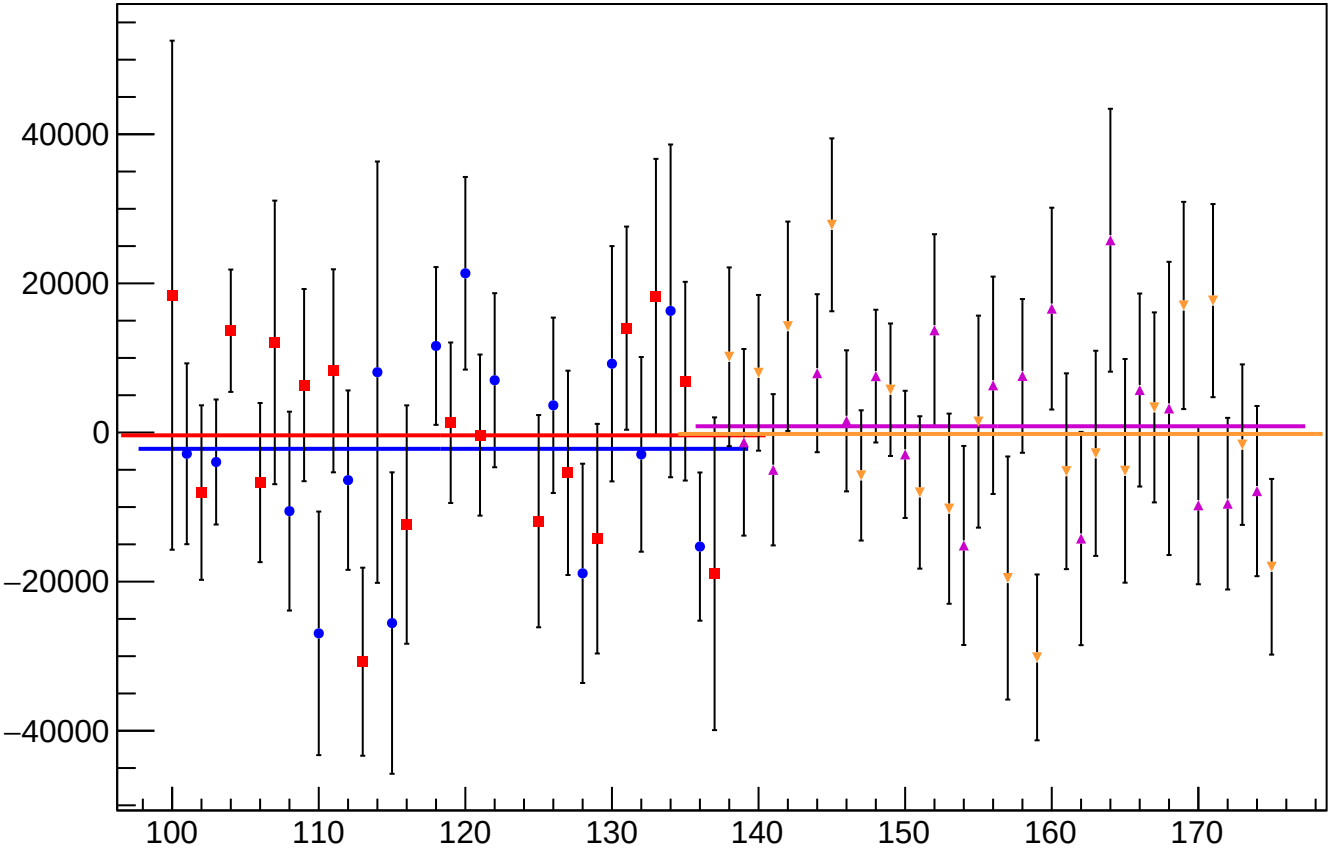
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2215.893+/-0.334 χ^2/NDF:257892.7/33

Out: 2205.432+/-0.331 χ^2/NDF:229365.3/36

All: 2210.619+/-0.235 χ^2/NDF: 487751.8/70

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -192.579+/-2715.656 χ^2/NDF:25.1/18

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 836.583+/-2726.070 χ^2/NDF:11.6/17

Left: 320.032+/-1923.930 χ^2/NDF: 36.8/36

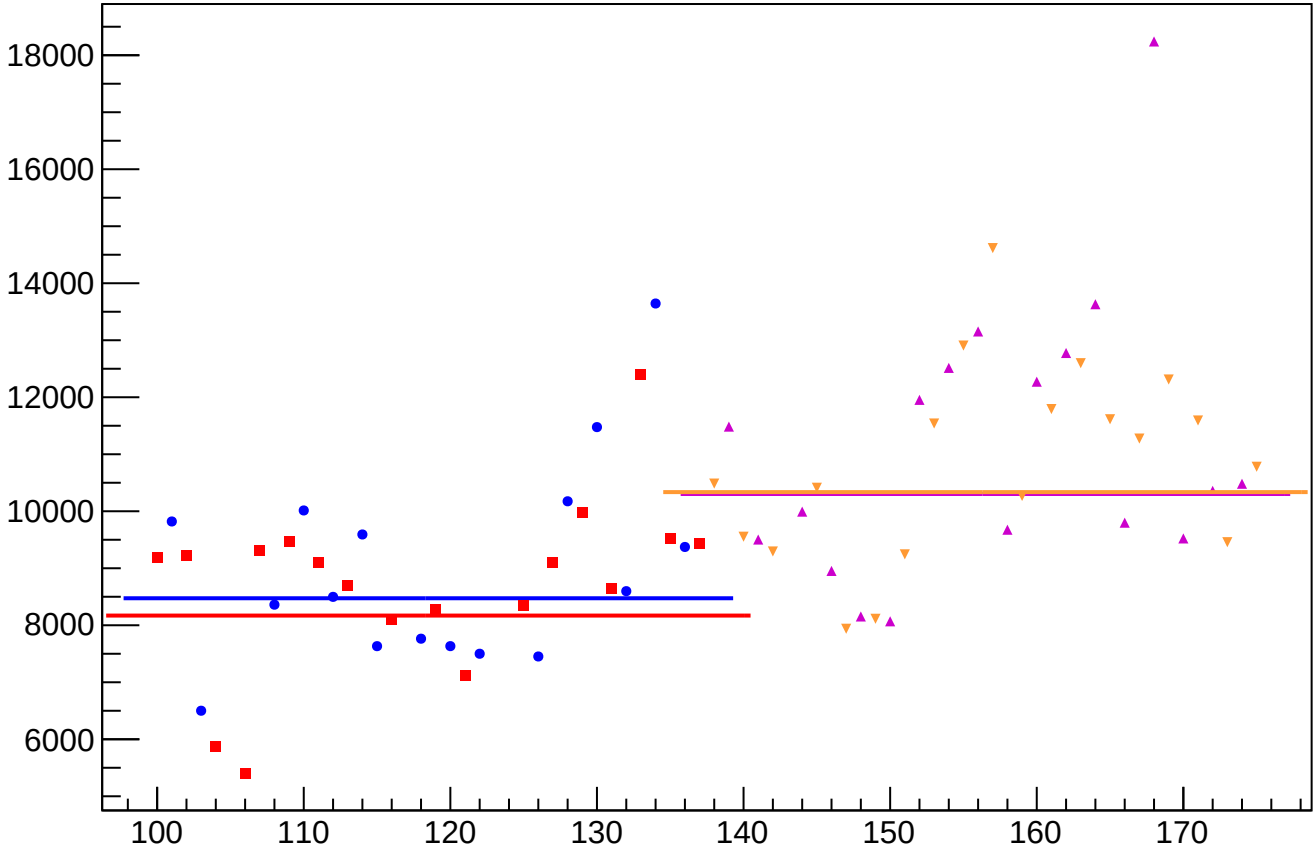
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -431.966+/-2077.475 χ^2/NDF:26.6/33

Out: -273.627+/-2042.695 χ^2/NDF:41.4/36

All: -351.460+/-1456.544 χ^2/NDF: 68.0/70

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

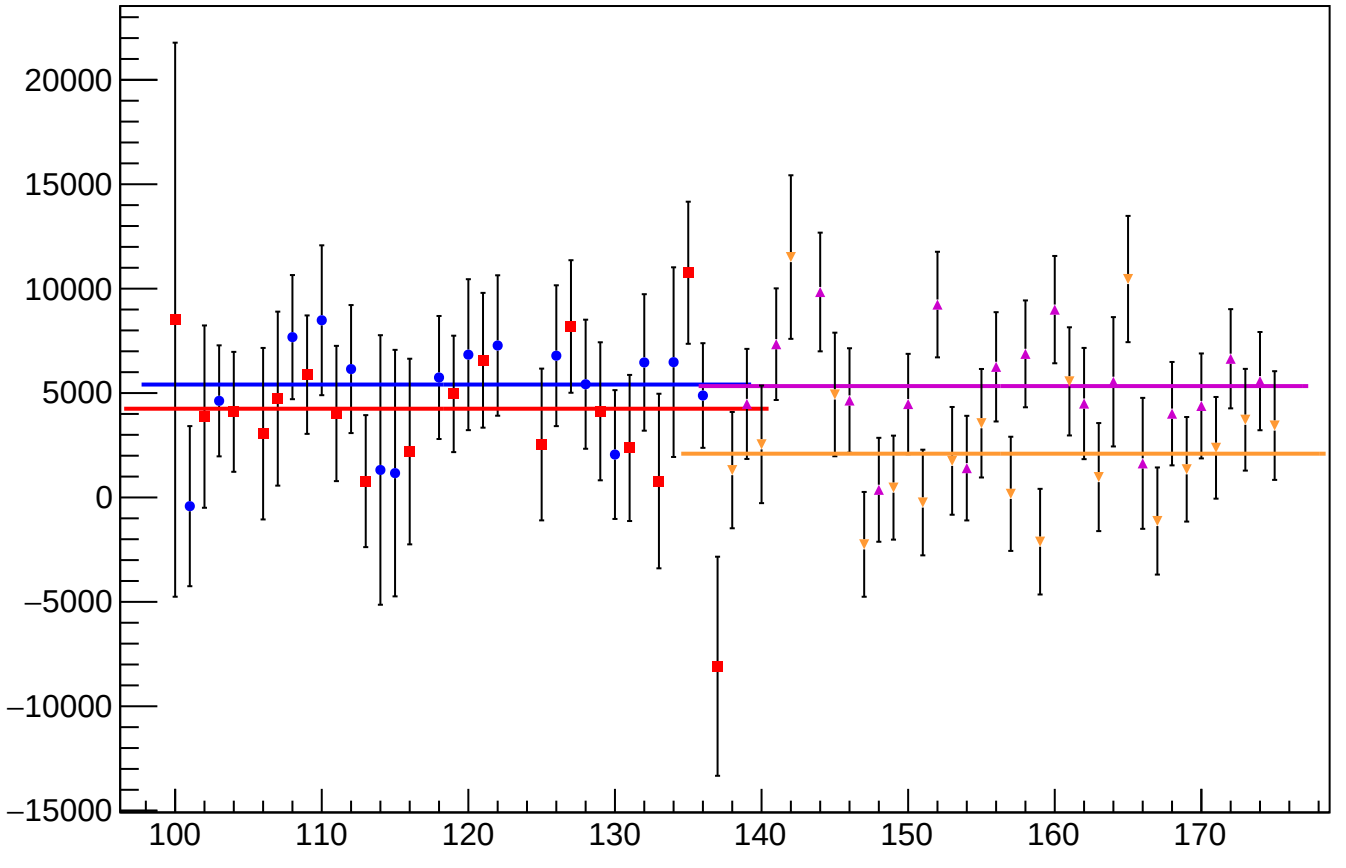
Left: 10319.401+/-1.360 χ^2/NDF: 1733994.6/36

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9535.930+/-1.469 χ^2/NDF:1818910.4/33

Out: 9395.506+/-1.444 χ^2/NDF:1814251.8/36

All: 9464.533+/-1.030 χ^2/NDF: 3637808.2/70



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2096.284+/-608.247 χ^2/NDF:26.7/18

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5334.143+/-609.242 χ^2/NDF:17.0/17

Left: 3712.568+/-430.447 χ^2/NDF: 57.8/36

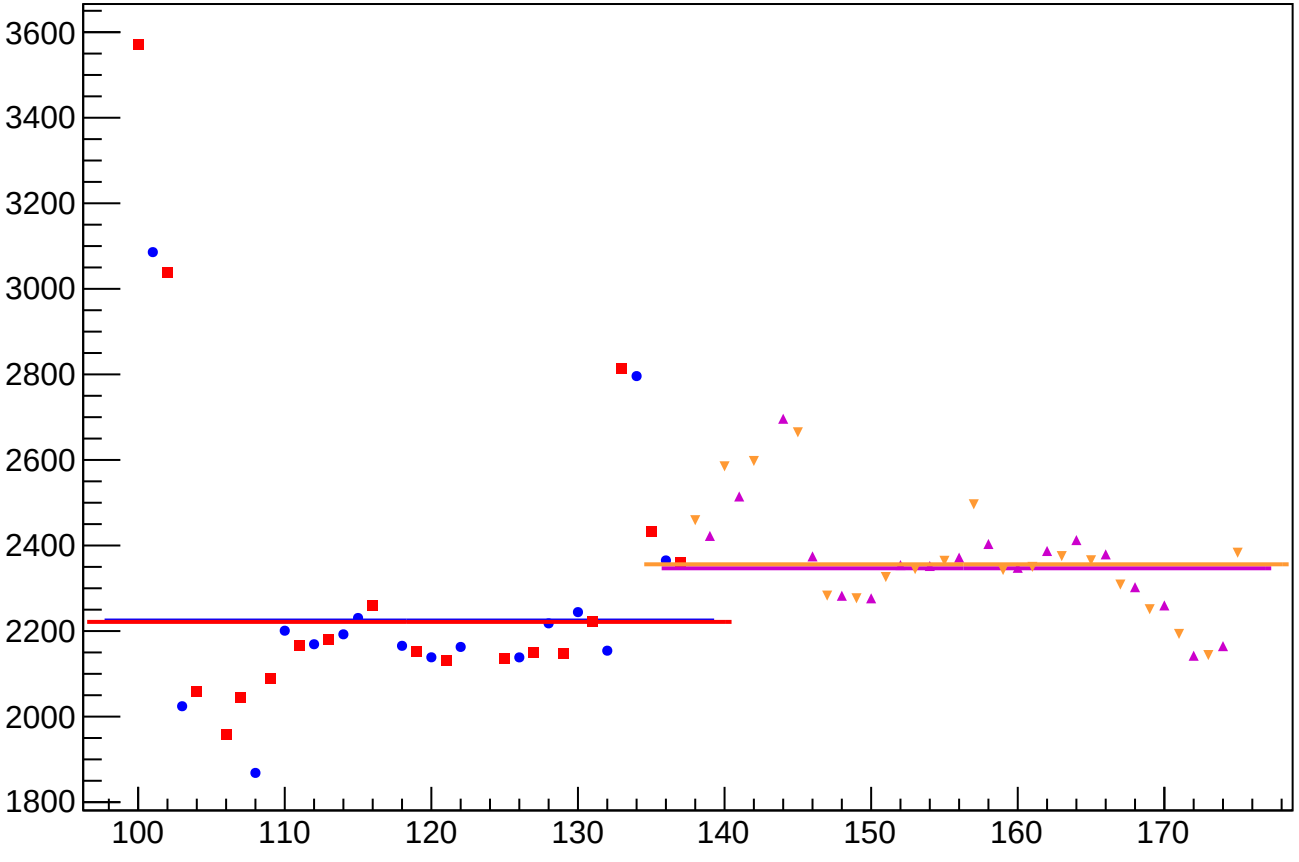
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5359.808+/-491.894 χ^2/NDF:23.7/33

Out: 2837.837+/-492.519 χ^2/NDF:45.5/36

All: 4100.423+/-348.042 χ^2/NDF: 82.3/70

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2356.055+/-0.430 χ^2/NDF:83363.8/18

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.747+/-0.431 χ^2/NDF:75661.4/17

Left: 2351.409+/-0.304 χ^2/NDF: 159259.0/36

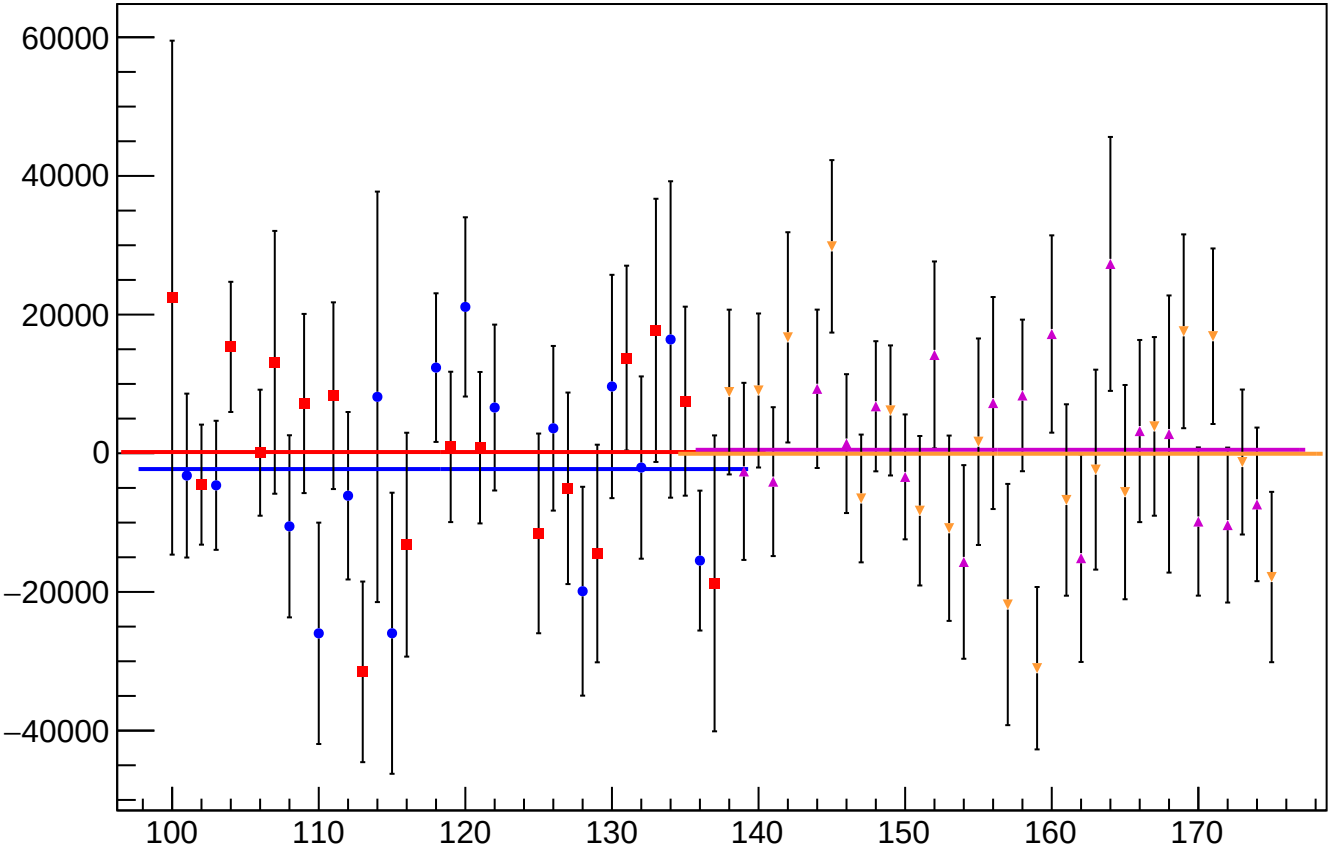
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2304.229+/-0.348 χ^2/NDF:288321.7/33

Out: 2309.660+/-0.348 χ^2/NDF:287073.9/36

All: 2306.942+/-0.246 χ^2/NDF: 575517.3/70

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -70.517+/-2818.757 χ^2/NDF:24.9/18

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 498.184+/-2828.664 χ^2/NDF:11.6/17

Left: 212.836+/-1996.655 χ^2/NDF: 36.6/36

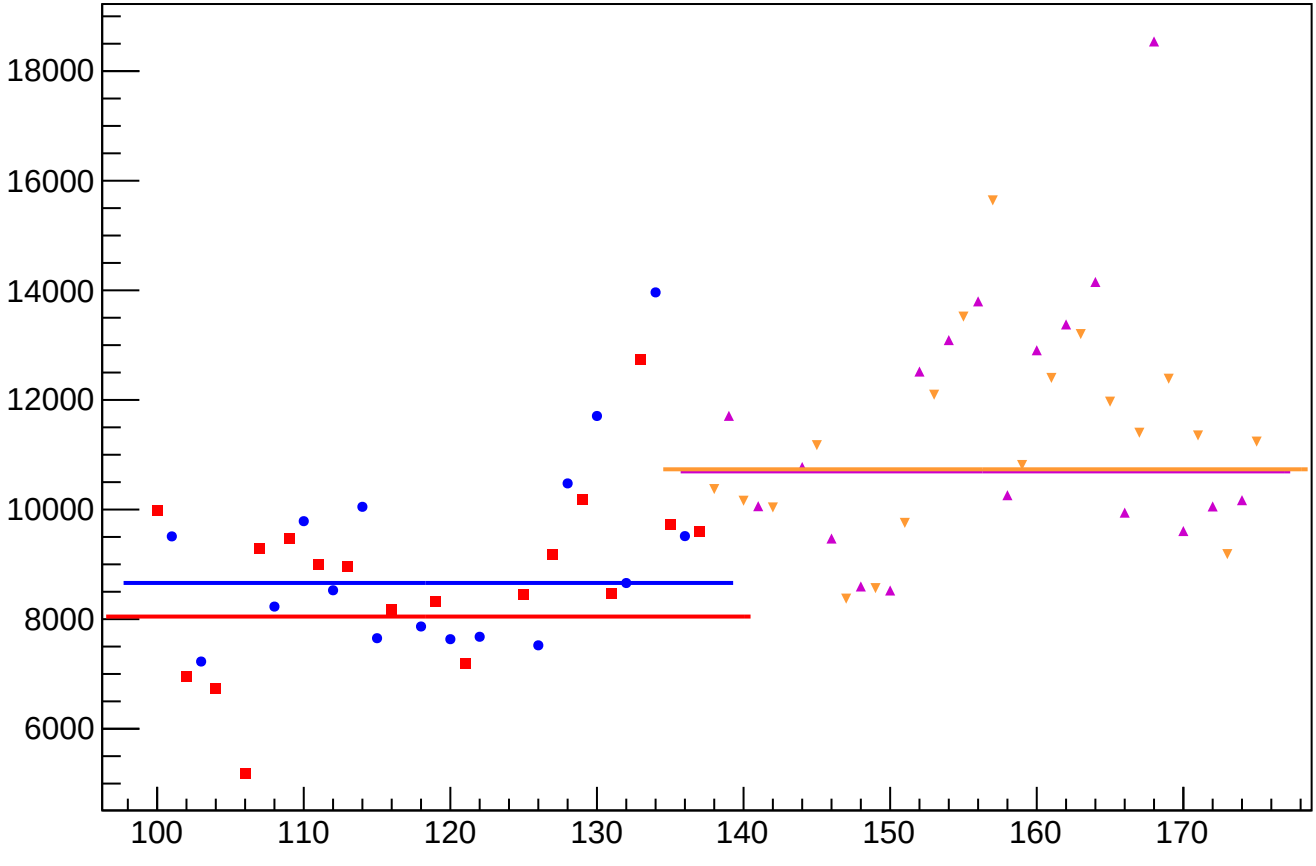
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -689.514+/-2139.807 χ^2/NDF:26.5/33

Out: 44.107+/-2065.494 χ^2/NDF:40.6/36

All: -309.744+/-1486.102 χ^2/NDF: 67.2/70

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10734.417+/-1.993 χ^2/NDF:704144.9/18

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10696.170+/-2.000 χ^2/NDF:977098.3/17

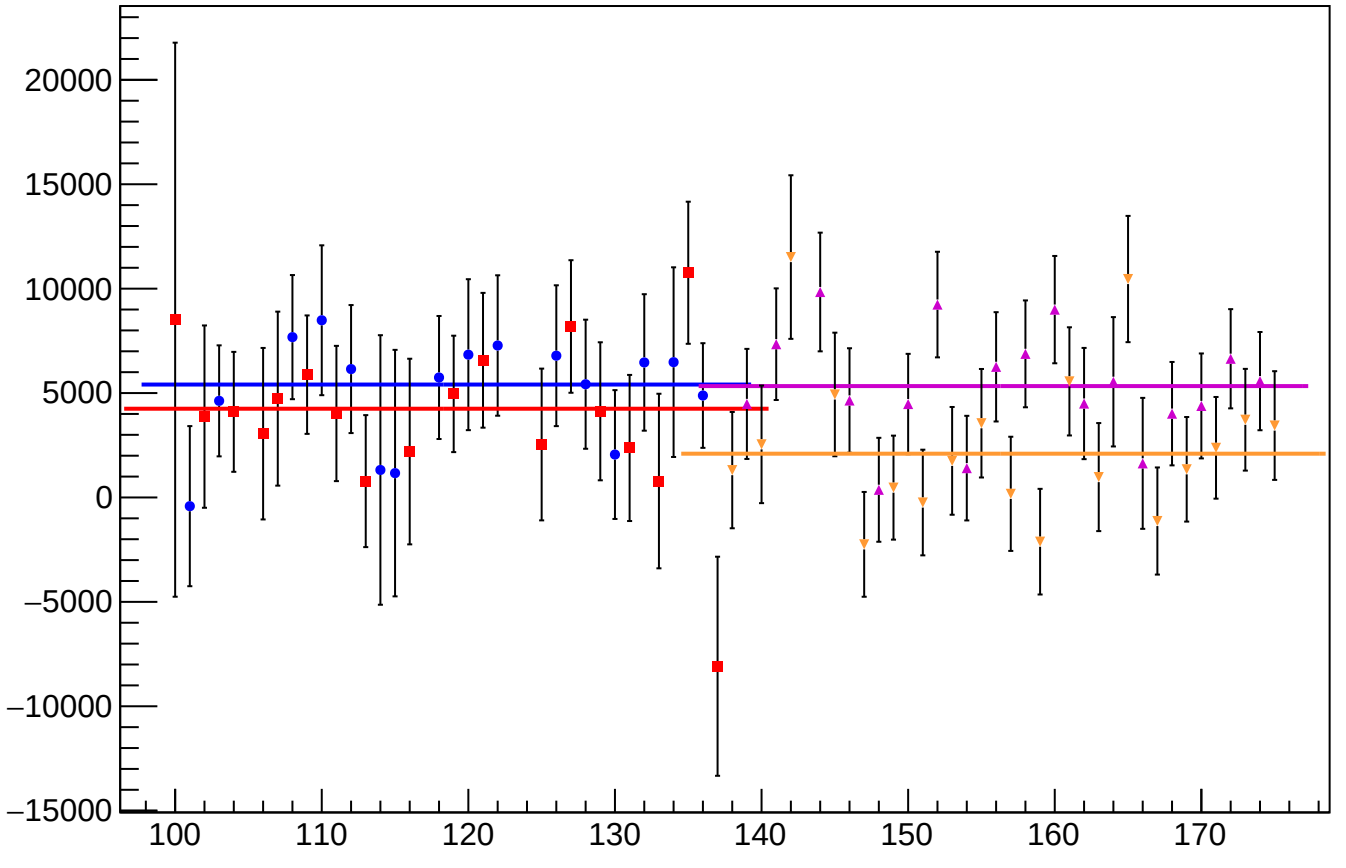
Left: 10715.361+/-1.412 χ^2/NDF: 1681426.6/36

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9825.514+/-1.513 χ^2/NDF:1778027.8/33

Out: 9490.218+/-1.461 χ^2/NDF:2104226.2/36

All: 9651.943+/-1.051 χ^2/NDF: 3907674.6/70



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2096.273+/-608.248 χ^2/NDF:26.7/18

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5334.145+/-609.242 χ^2/NDF:17.0/17

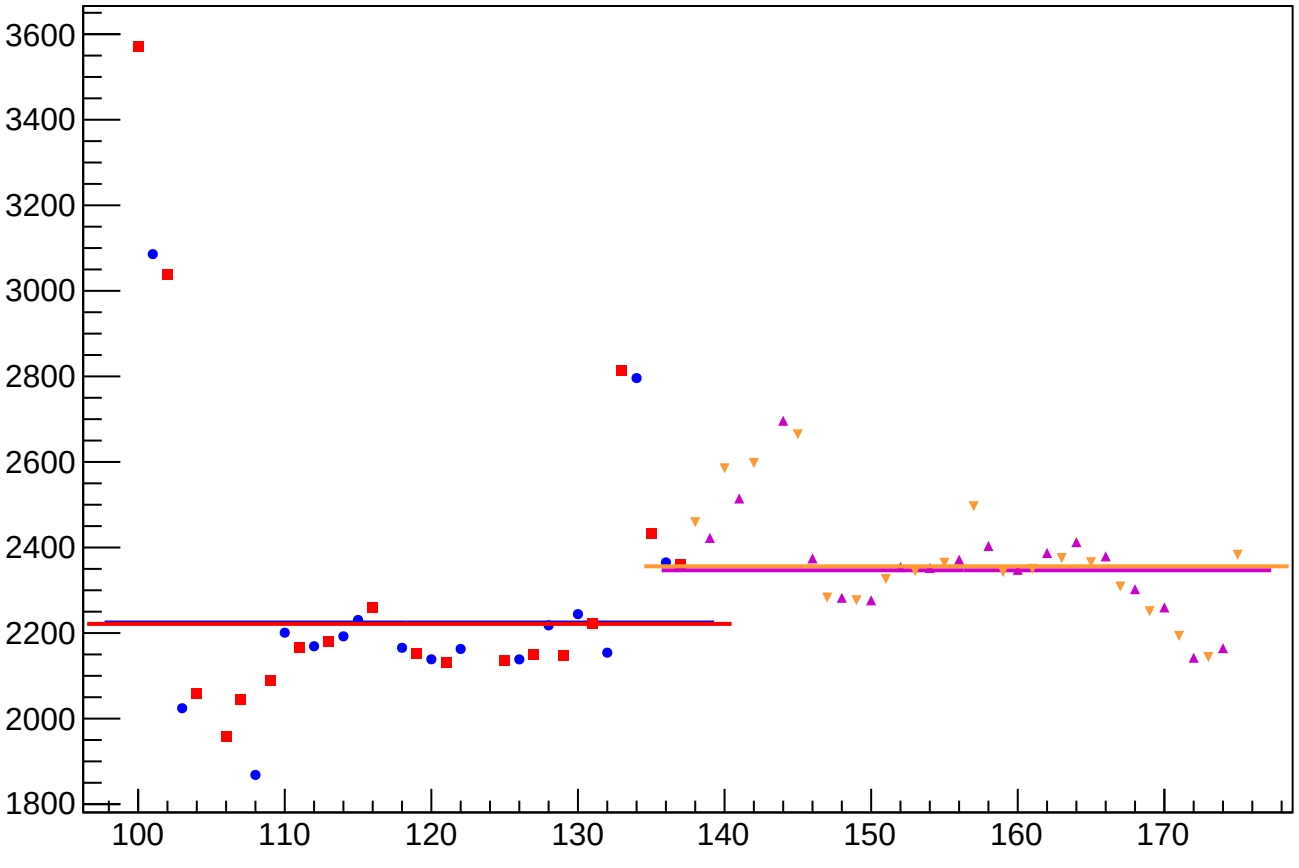
Left: 3712.564+/-430.447 χ^2/NDF: 57.8/36

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5359.810+/-491.894 χ^2/NDF:23.7/33

Out: 2837.833+/-492.519 χ^2/NDF:45.5/36

All: 4100.422+/-348.043 χ^2/NDF: 82.3/70



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2356.057+/-0.430 χ^2/NDF:83366.9/18

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.750+/-0.431 χ^2/NDF:75664.0/17

Left: 2351.411+/-0.304 χ^2/NDF: 159264.7/36

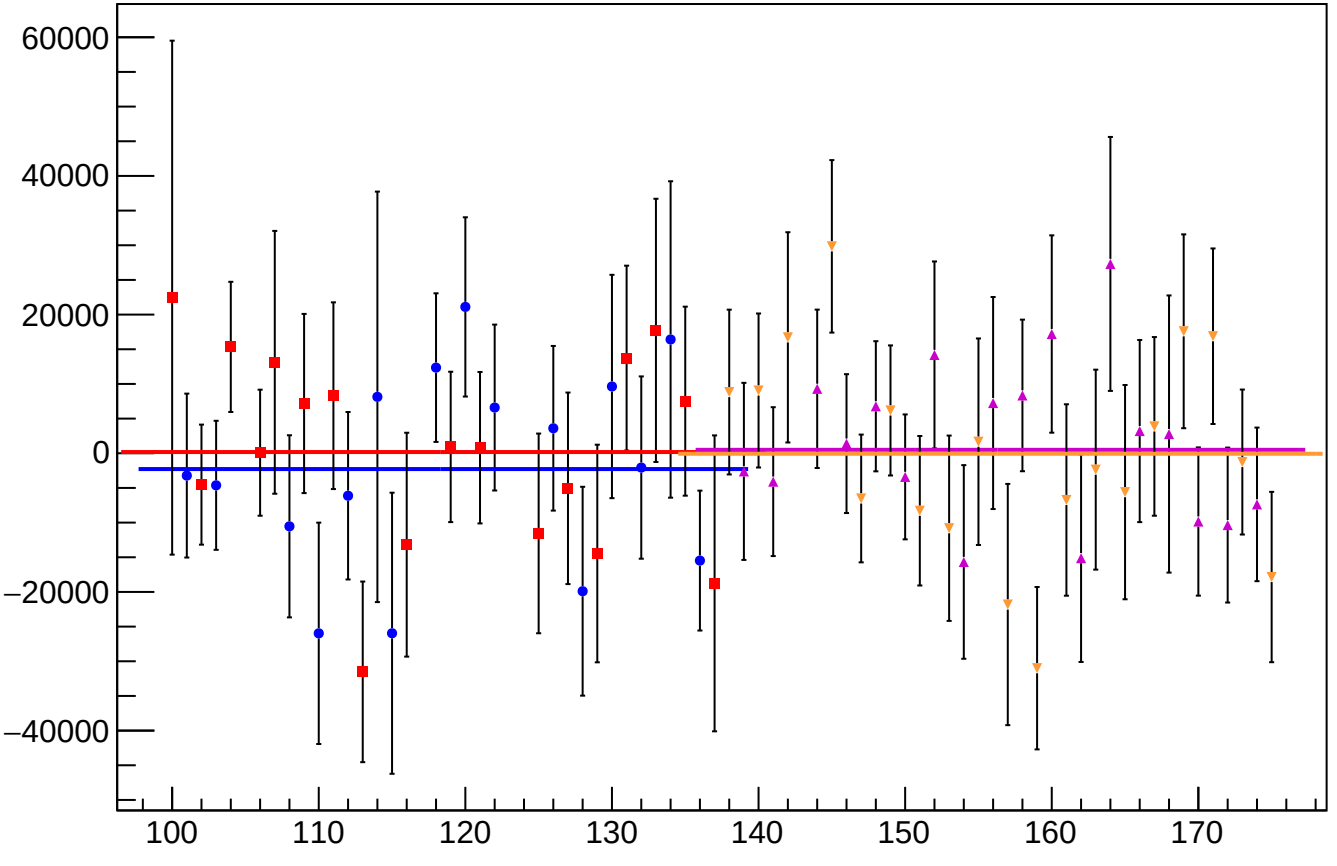
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2304.231+/-0.348 χ^2/NDF:288325.9/33

Out: 2309.661+/-0.348 χ^2/NDF:287078.4/36

All: 2306.943+/-0.246 χ^2/NDF: 575526.1/70

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -70.525+/-2818.761 χ^2/NDF:24.9/18

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 498.183+/-2828.668 χ^2/NDF:11.6/17

Left: 212.831+/-1996.659 χ^2/NDF: 36.6/36

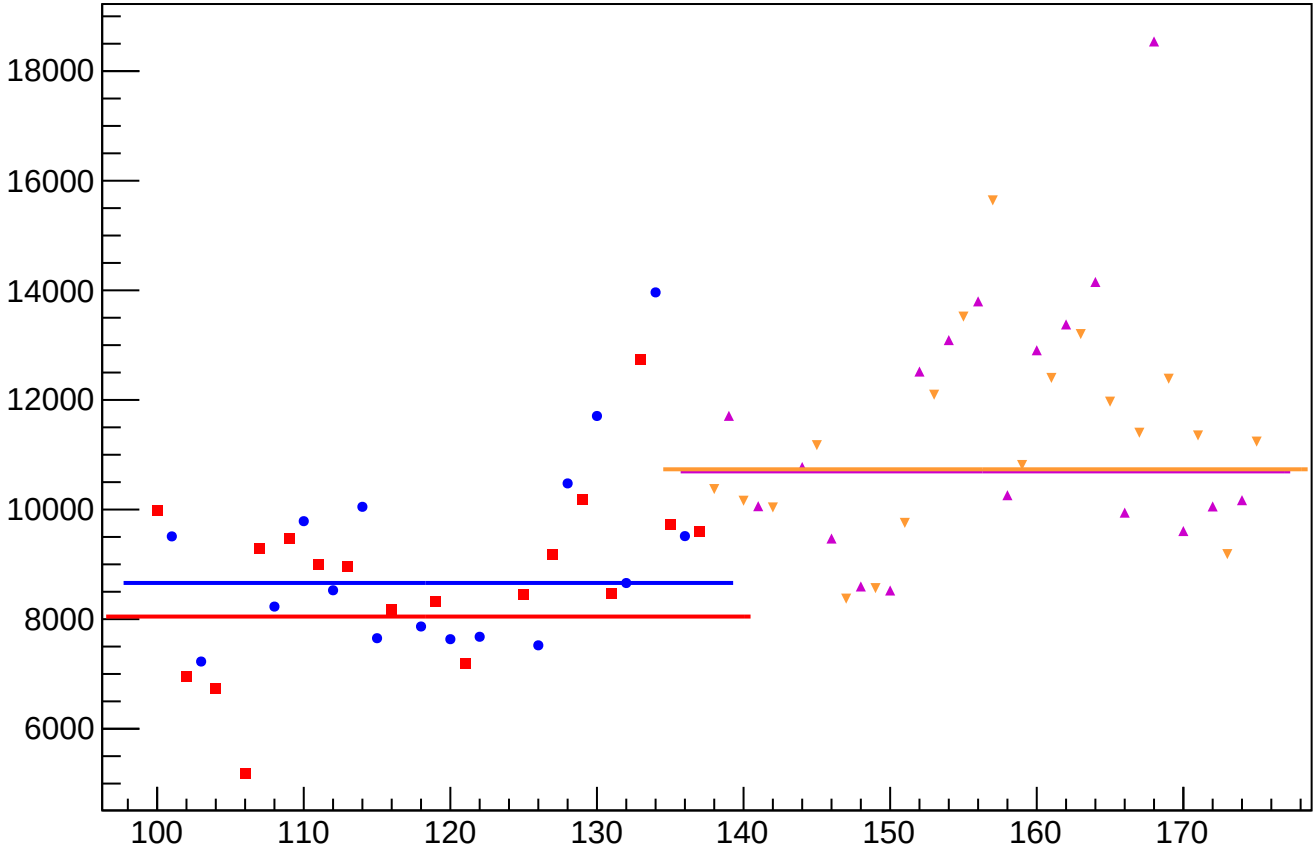
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -689.511+/-2139.807 χ^2/NDF:26.5/33

Out: 44.106+/-2065.494 χ^2/NDF:40.6/36

All: -309.743+/-1486.102 χ^2/NDF: 67.2/70

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10734.435+/-1.993 χ^2/NDF:704146.1/18

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10696.187+/-2.000 χ^2/NDF:977100.0/17

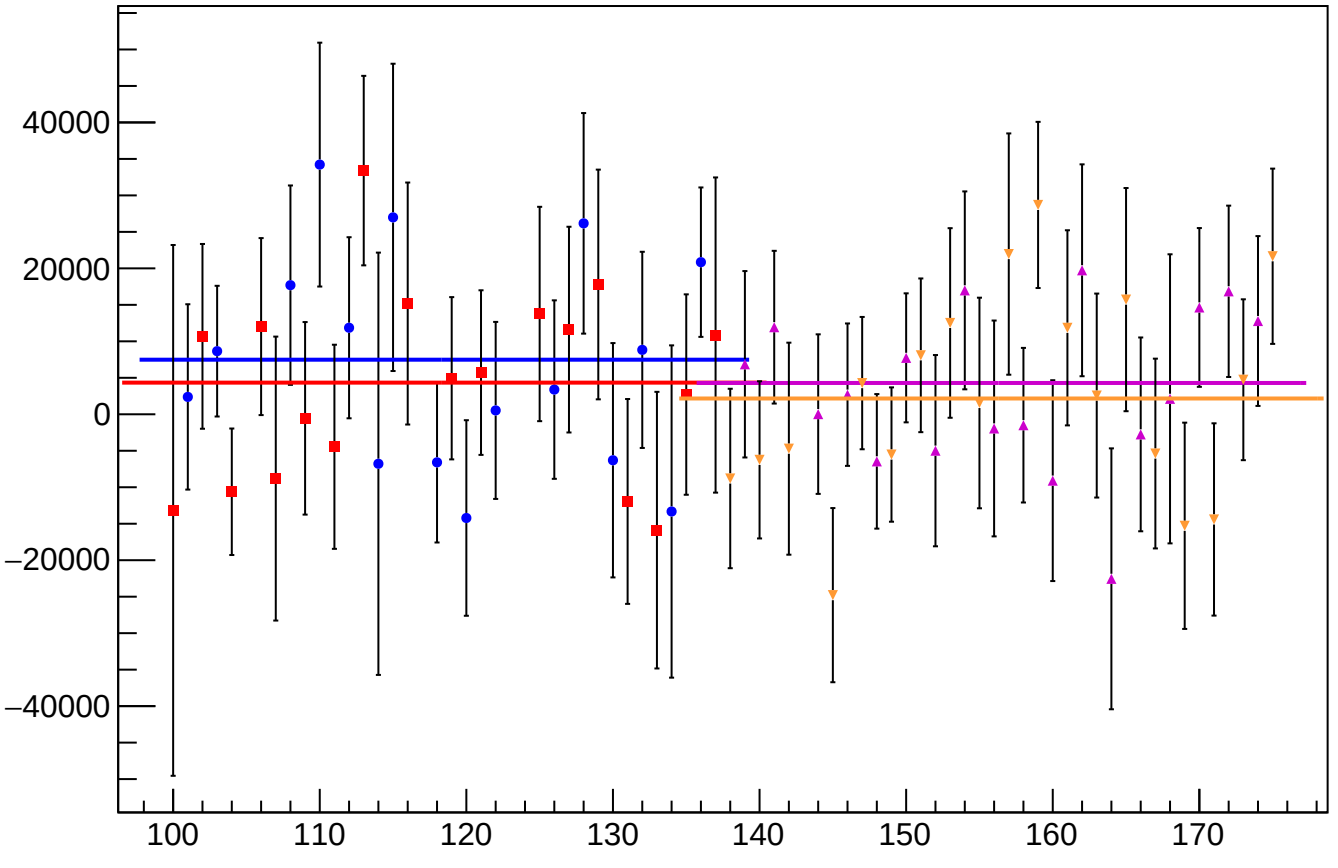
Left: 10715.378+/-1.412 χ^2/NDF: 1681429.6/36

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9825.510+/-1.513 χ^2/NDF:1778048.7/33

Out: 9490.214+/-1.461 χ^2/NDF:2104248.6/36

All: 9651.939+/-1.051 χ^2/NDF: 3907717.9/70



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2163.763+/-2785.582 χ^2/NDF:22.7/18

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 4291.768+/-2796.661 χ^2/NDF:11.3/17

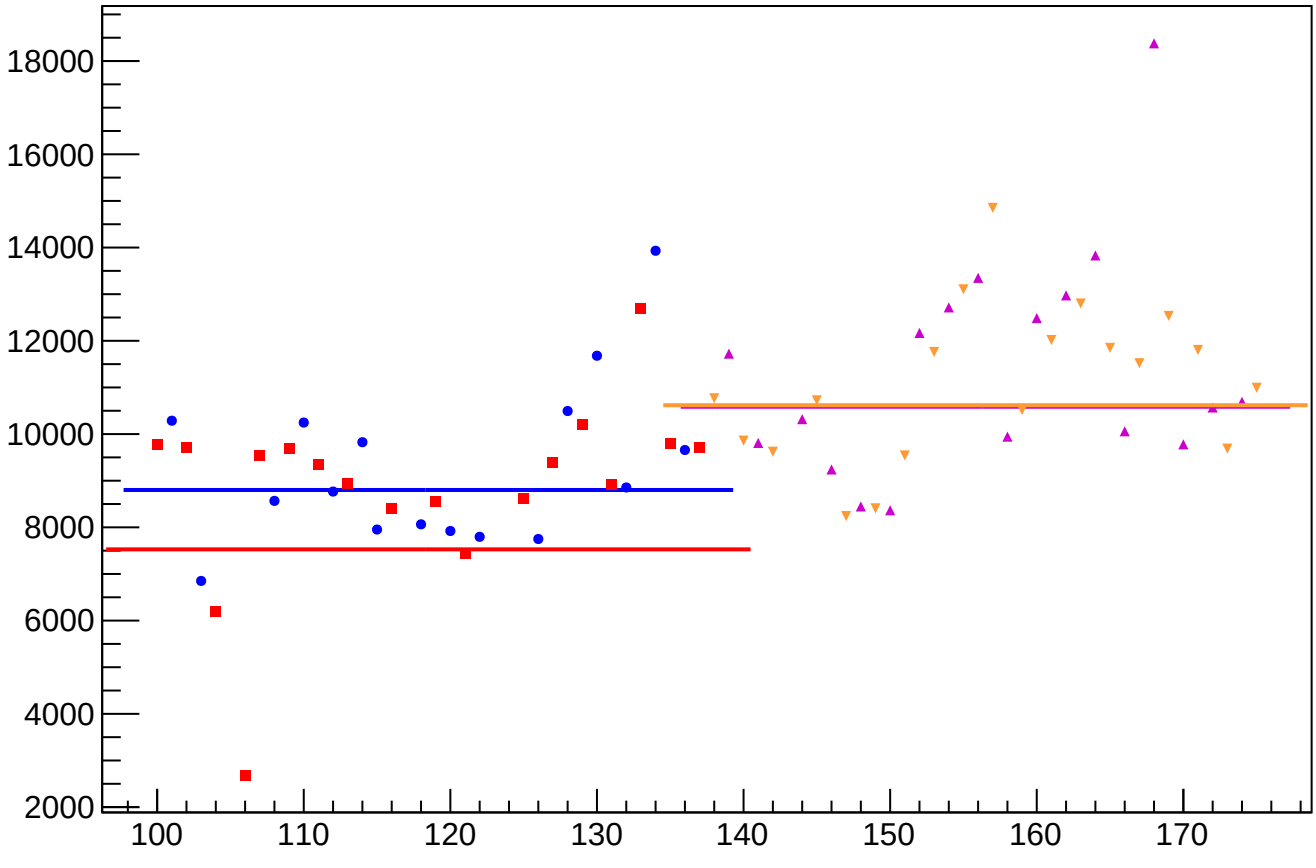
Left: 3223.542+/-1973.609 χ^2/NDF: 34.3/36

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5610.736+/-2141.831 χ^2/NDF:25.9/33

Out: 3087.050+/-2112.976 χ^2/NDF:37.3/36

All: 4331.779+/-1504.198 χ^2/NDF: 63.9/70



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10619.120+/-1.970 χ^2/NDF:661694.4/18

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10585.998+/-1.978 χ^2/NDF:937336.0/17

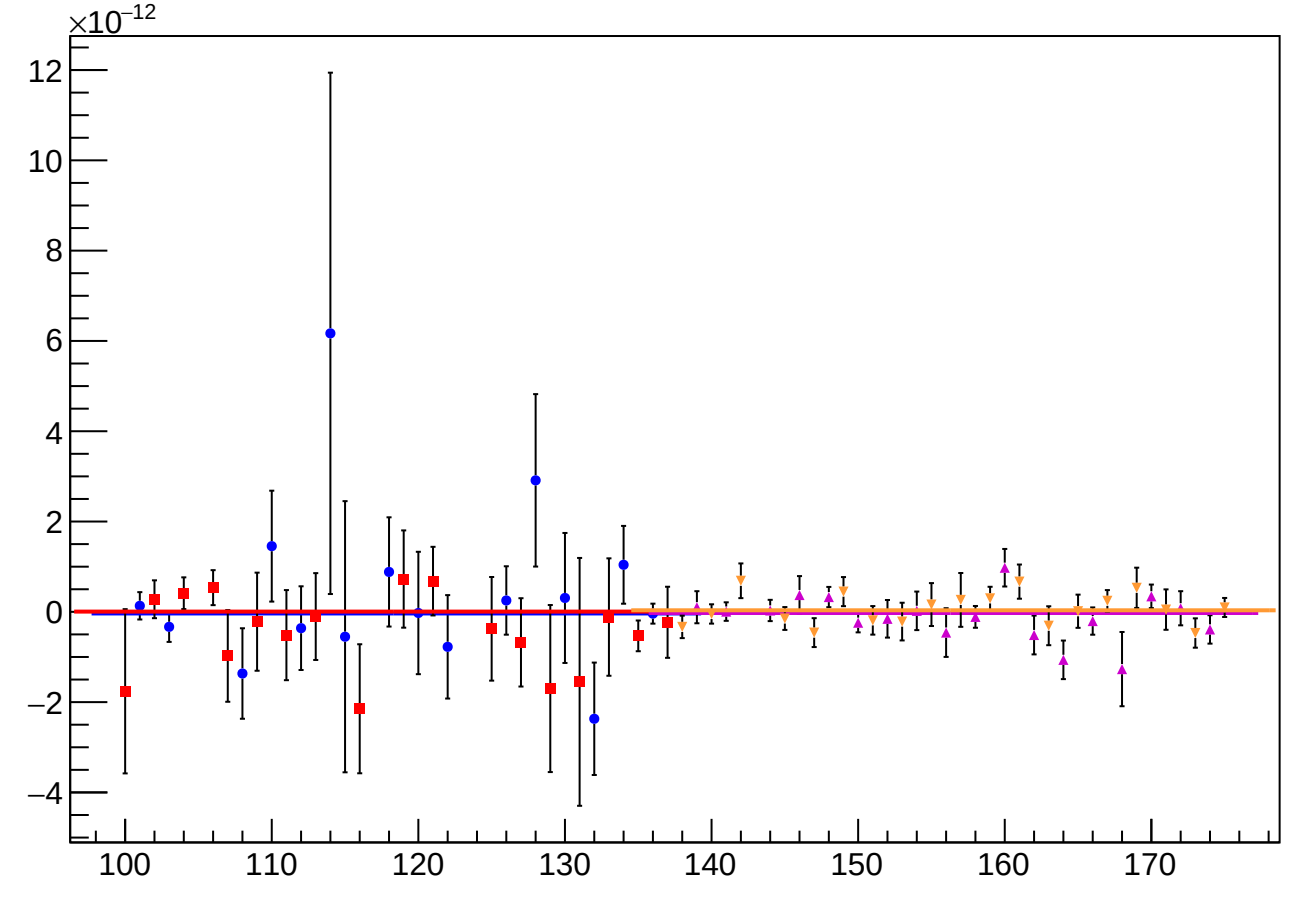
Left: 10602.625+/-1.396 χ^2/NDF: 1599171.1/36

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9847.977+/-1.514 χ^2/NDF:1668762.8/33

Out: 9192.936+/-1.446 χ^2/NDF:3455357.2/36

All: 9505.223+/-1.046 χ^2/NDF: 5222004.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:24.5/17

Left: 0.000+/-0.000 χ^2/NDF: 44.8/36

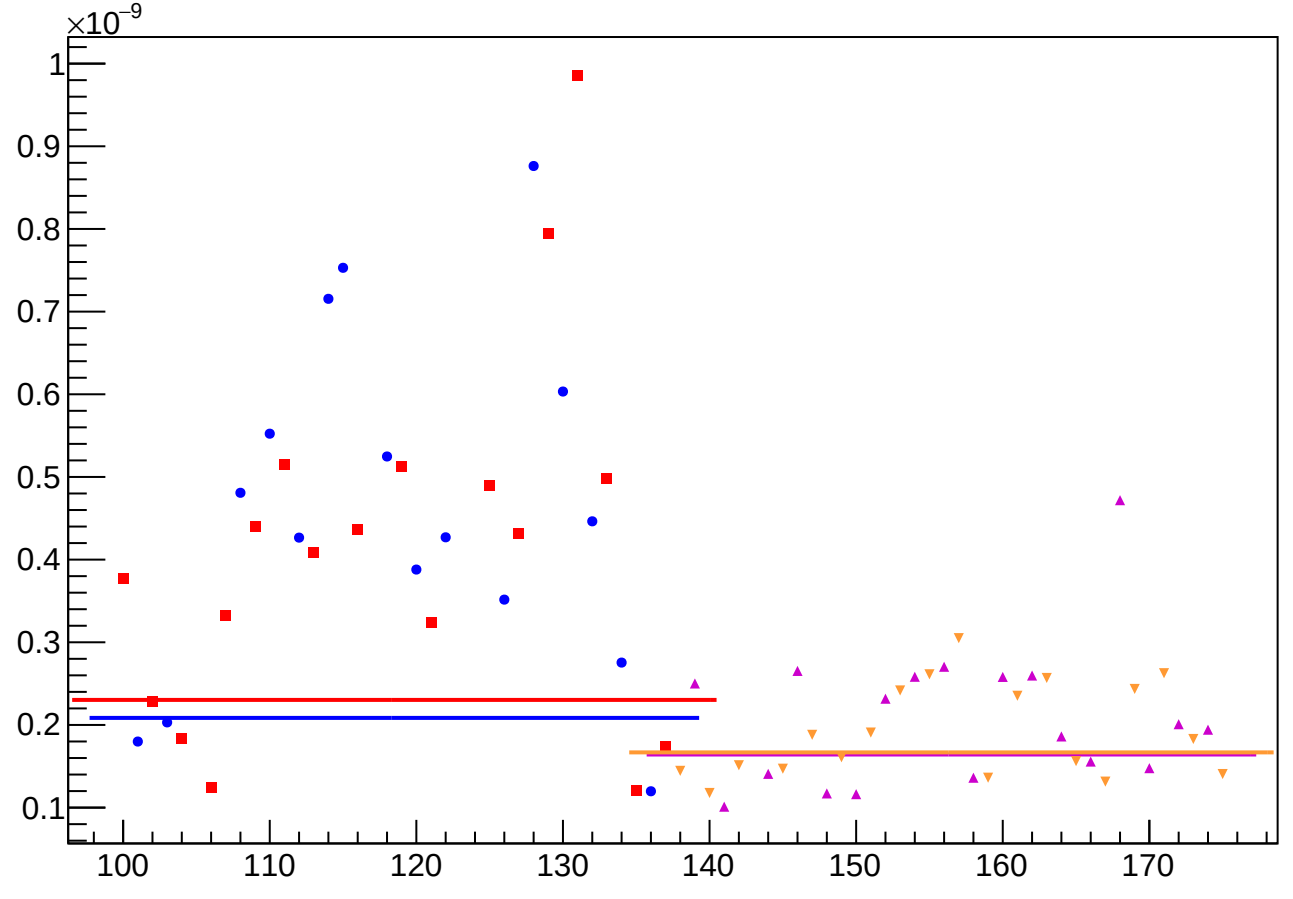
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:38.8/33

Out: 0.000+/-0.000 χ^2/NDF:33.6/36

All: 0.000+/-0.000 χ^2/NDF: 72.8/70

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:822626.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1417524.2/17

Left: 0.000+/-0.000 χ^2/NDF: 2241428.2/36

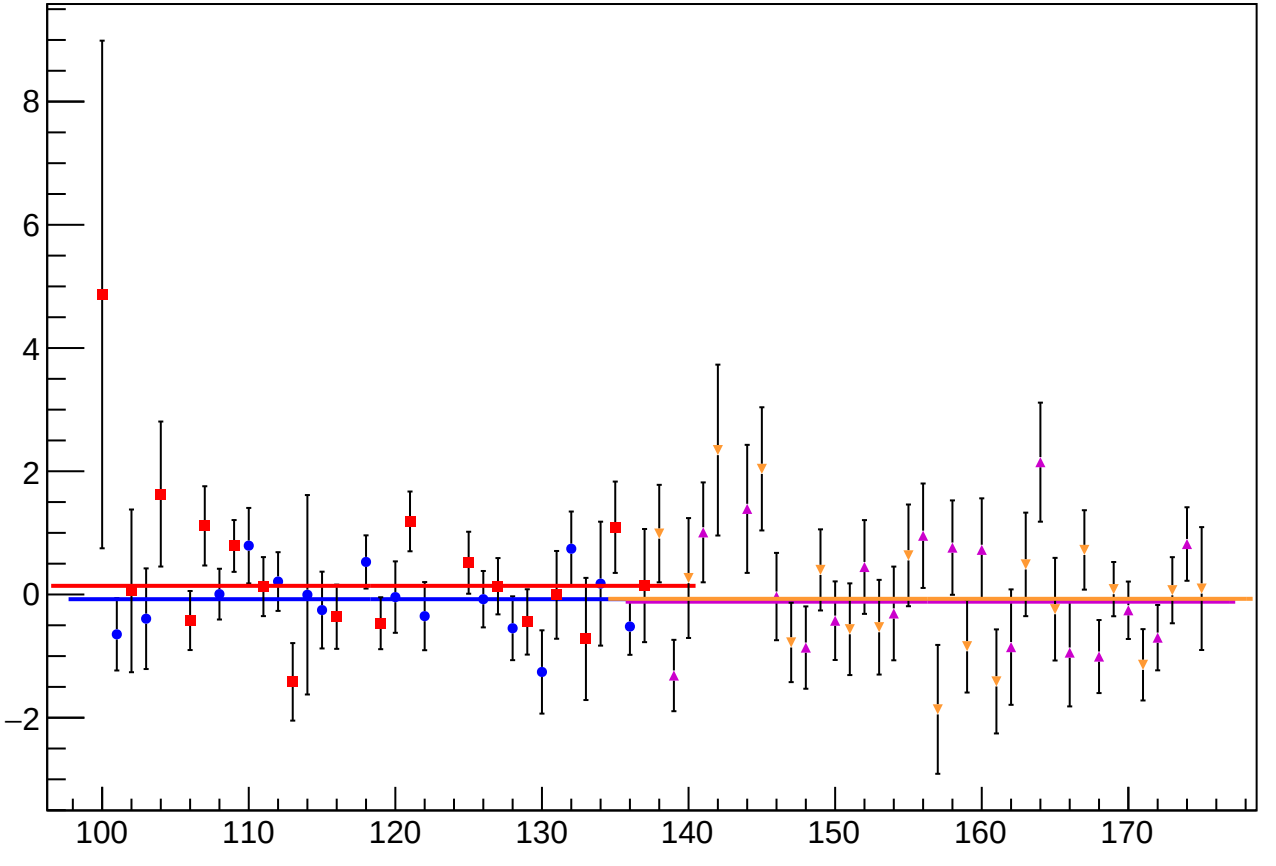
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3204551.9/33

Out: 0.000+/-0.000 χ^2/NDF:2656859.6/36

All: 0.000+/-0.000 χ^2/NDF: 5865717.2/70

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.094+/-0.117 χ^2/NDF: 52.2/36

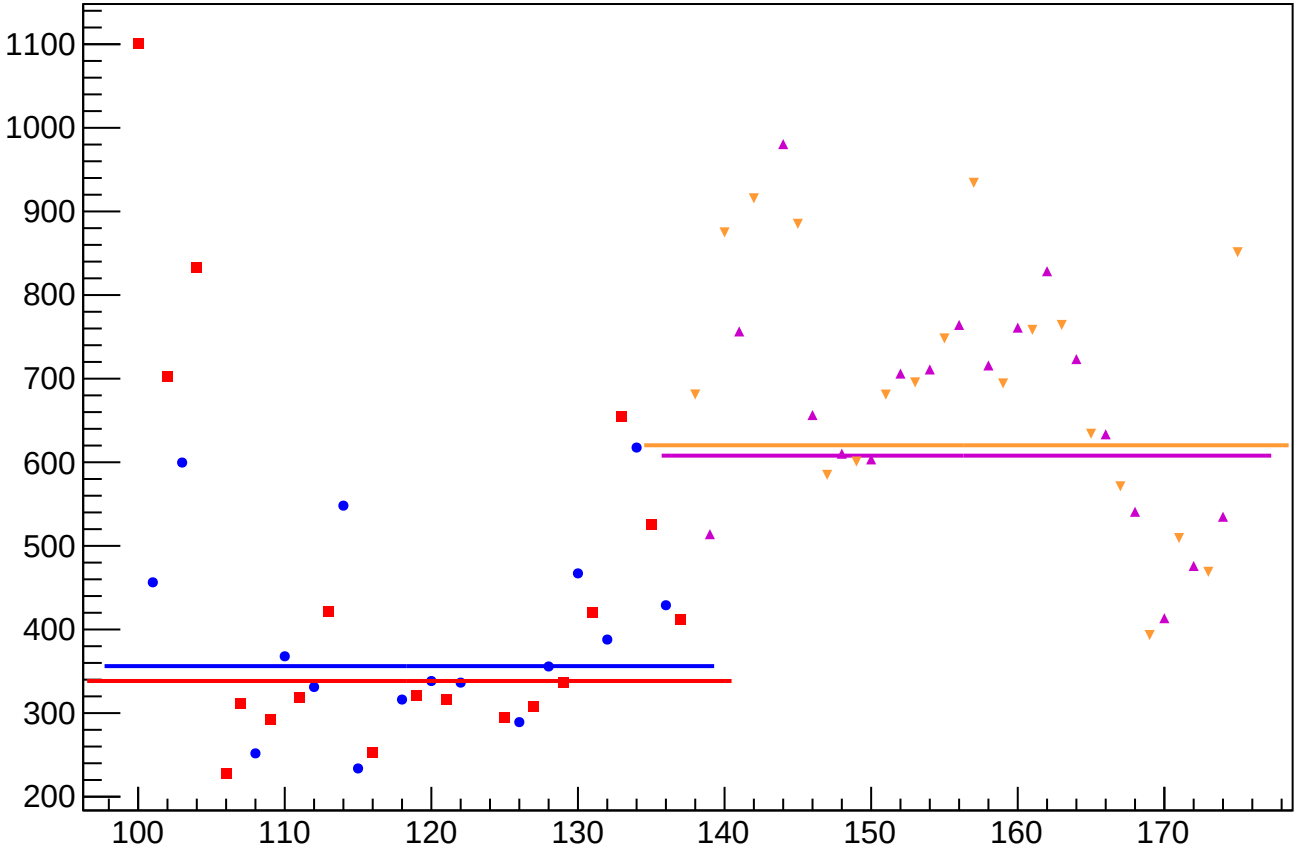
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.019+/-0.075 χ^2/NDF: 93.6/70

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

Left: 613.987+/-0.083 χ^2/NDF: 2968695.2/36

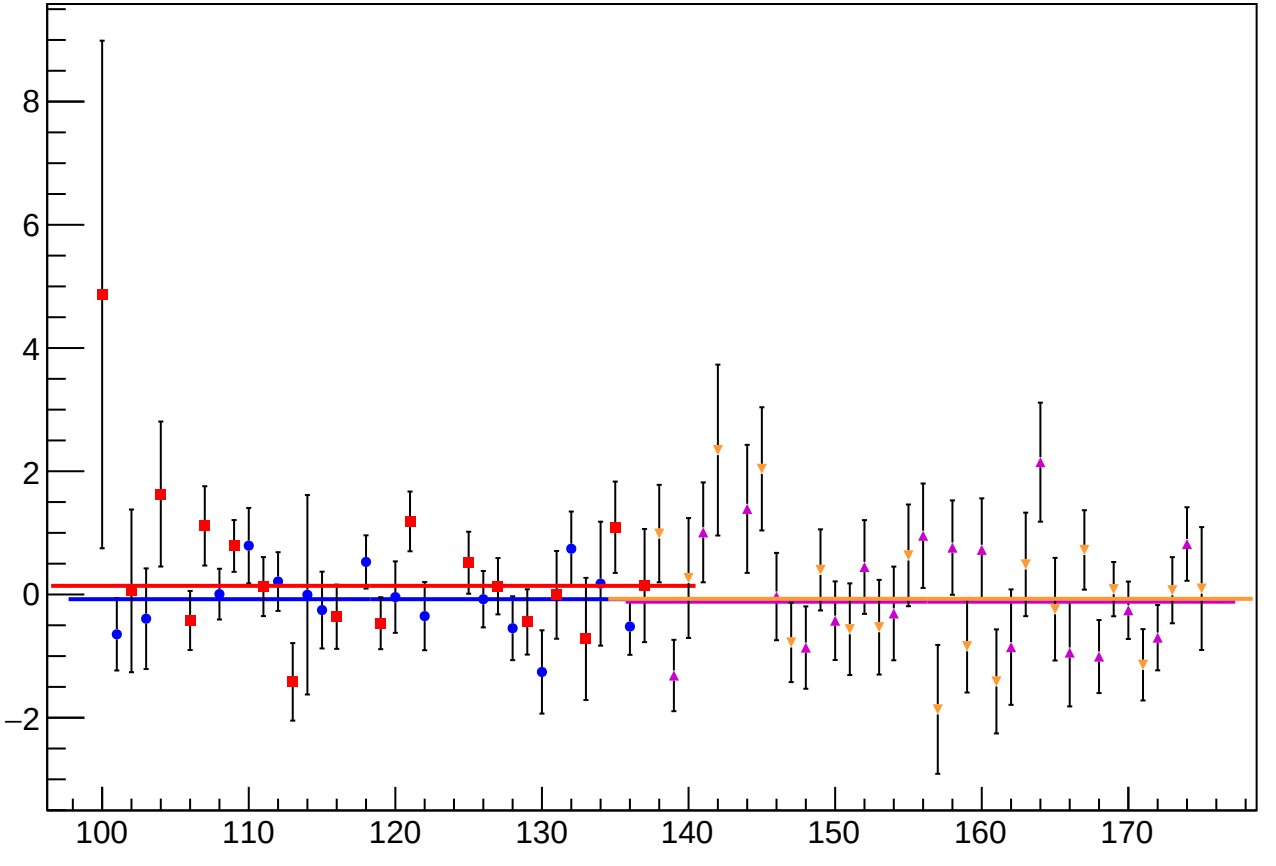
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 462.633+/-0.075 χ^2/NDF:4823003.5/33

Out: 452.732+/-0.075 χ^2/NDF:6252572.4/36

All: 457.687+/-0.053 χ^2/NDF: 11084245.6/70

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.094+/-0.117 χ^2/NDF: 52.2/36

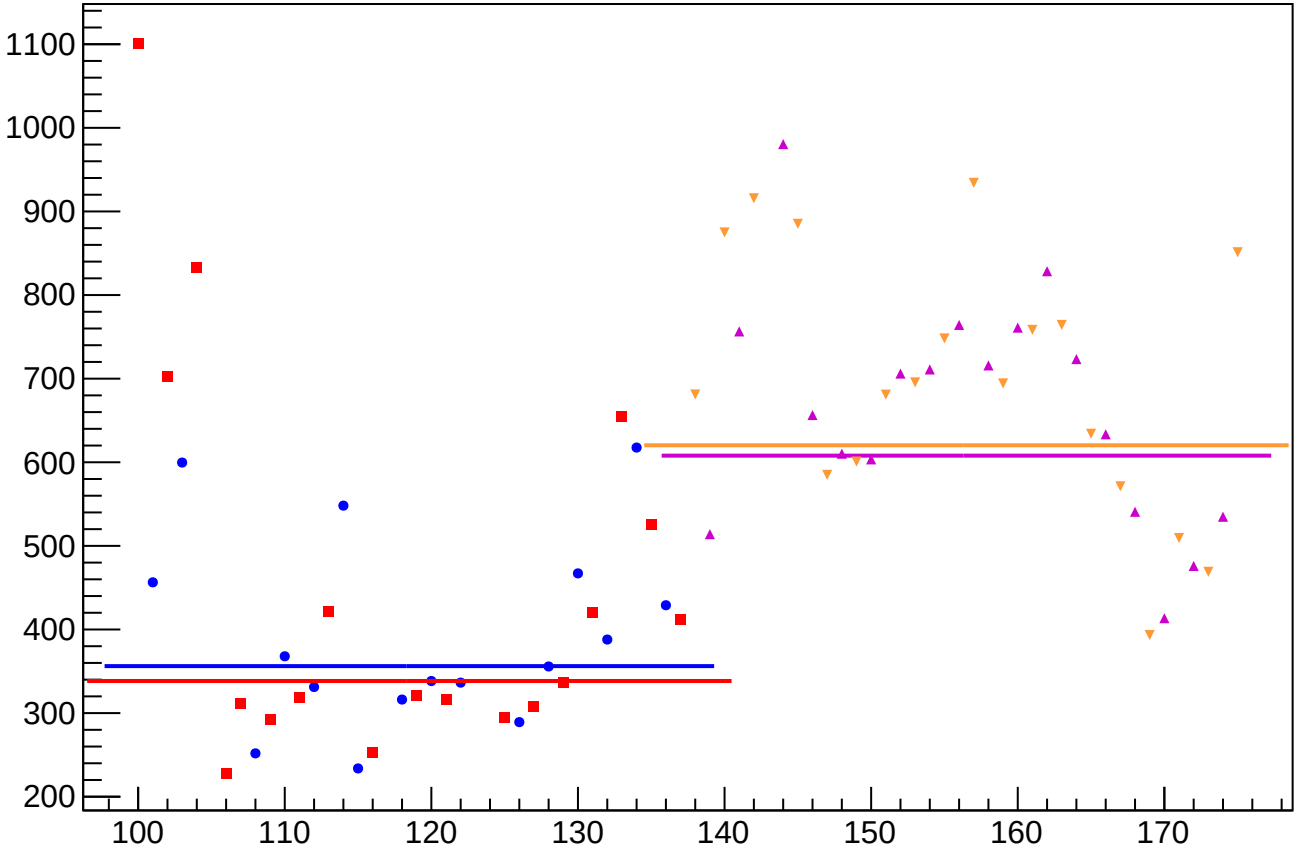
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.019+/-0.075 χ^2/NDF: 93.6/70

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

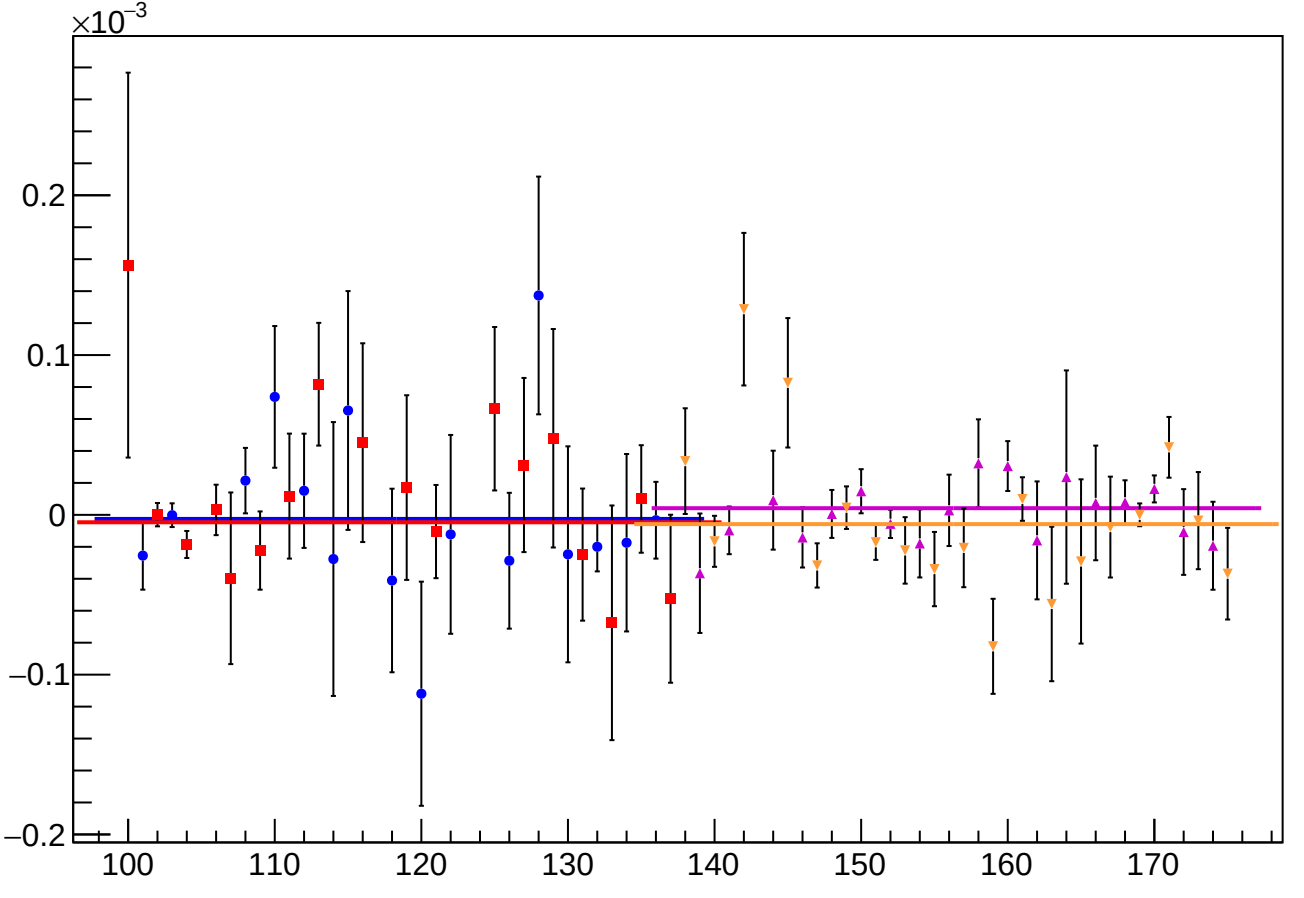
Left: 613.987+/-0.083 χ^2/NDF: 2968695.2/36

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 462.633+/-0.075 χ^2/NDF:4823003.5/33

Out: 452.732+/-0.075 χ^2/NDF:6252572.4/36

All: 457.687+/-0.053 χ^2/NDF: 11084245.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.4/17

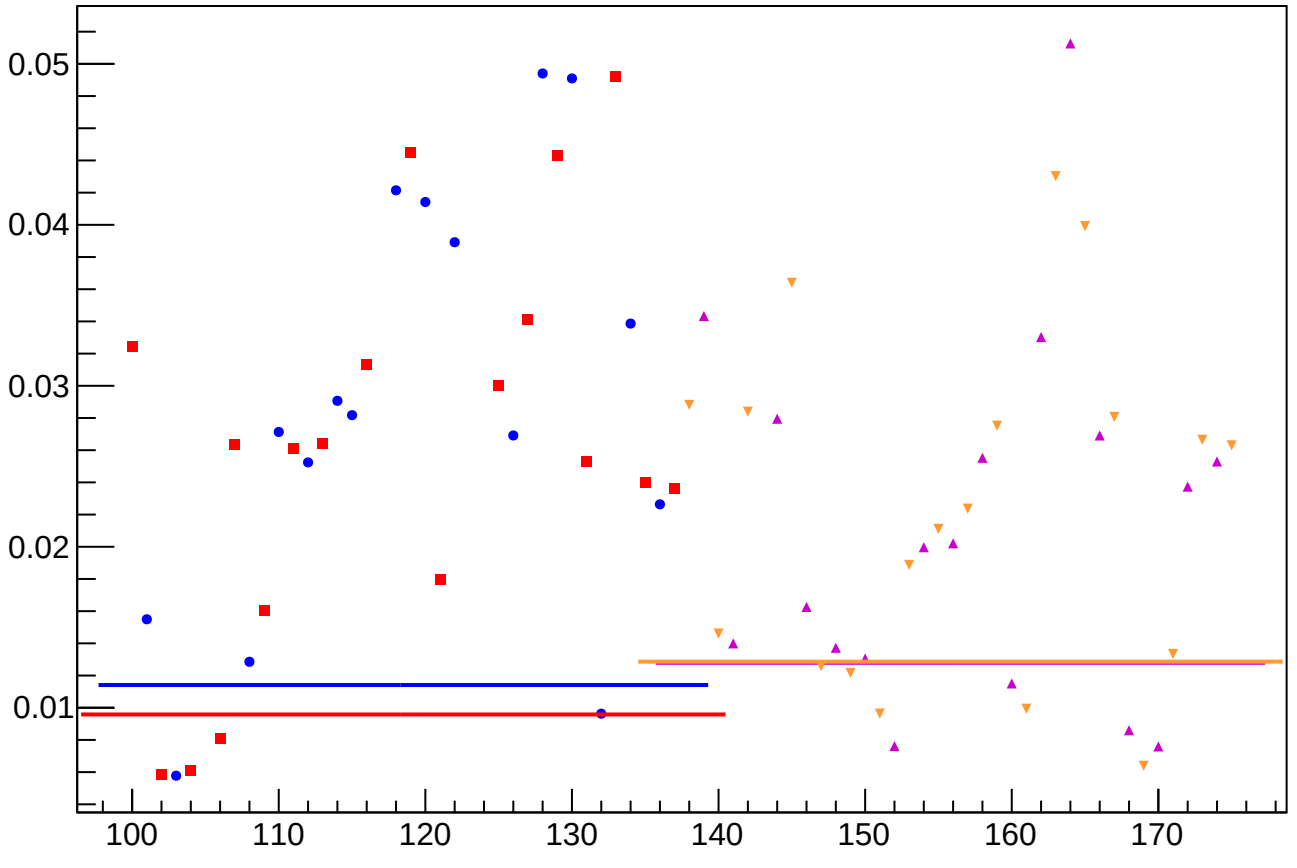
Left: -0.000+/-0.000 χ^2/NDF: 56.2/36

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:29.4/33

Out: -0.000+/-0.000 χ^2/NDF:56.8/36

All: -0.000+/-0.000 χ^2/NDF: 88.9/70



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:7143880.0/18

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:6068098.4/17

Left: 0.013+/-0.000 χ^2/NDF: 13212308.8/36

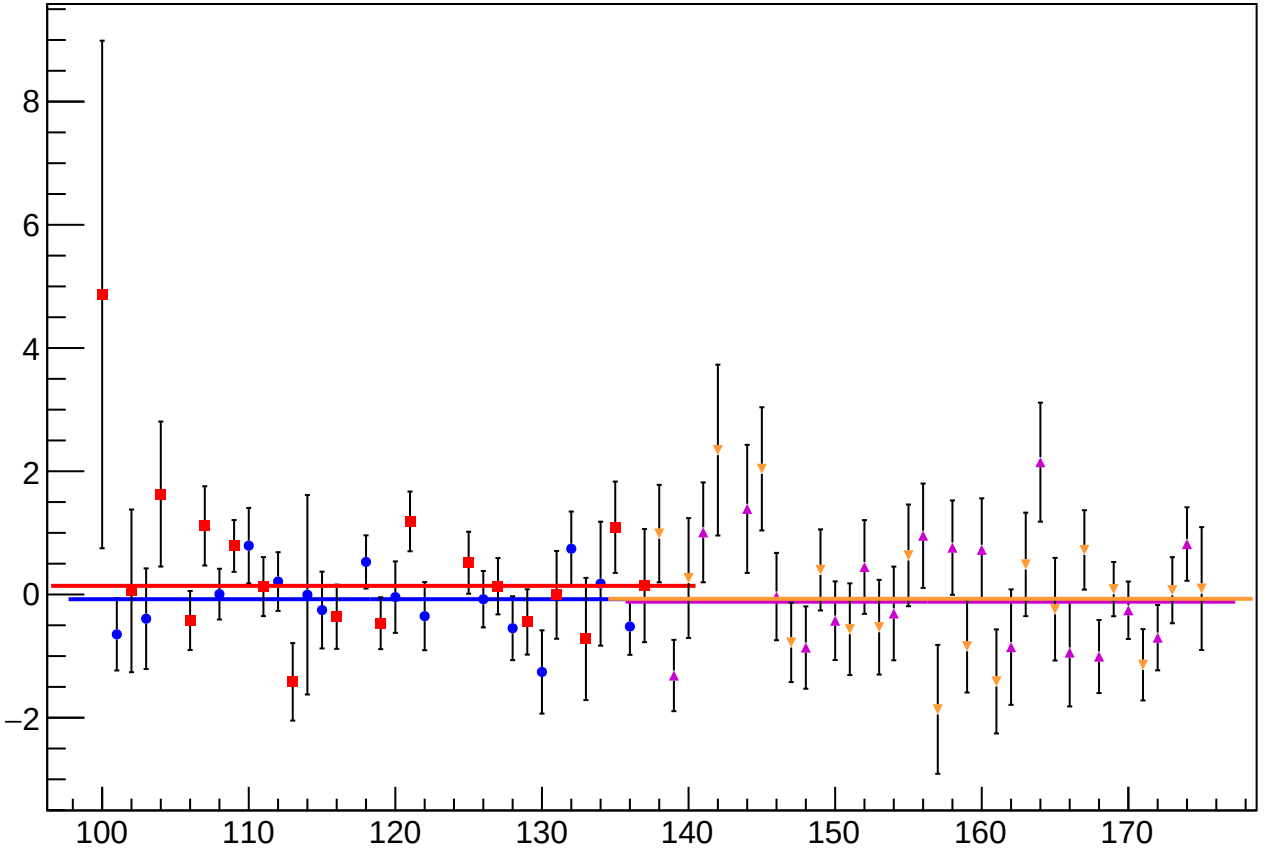
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:11650772.1/33

Out: 0.012+/-0.000 χ^2/NDF:13498789.8/36

All: 0.012+/-0.000 χ^2/NDF: 25219051.2/70

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.094+/-0.117 χ^2/NDF: 52.2/36

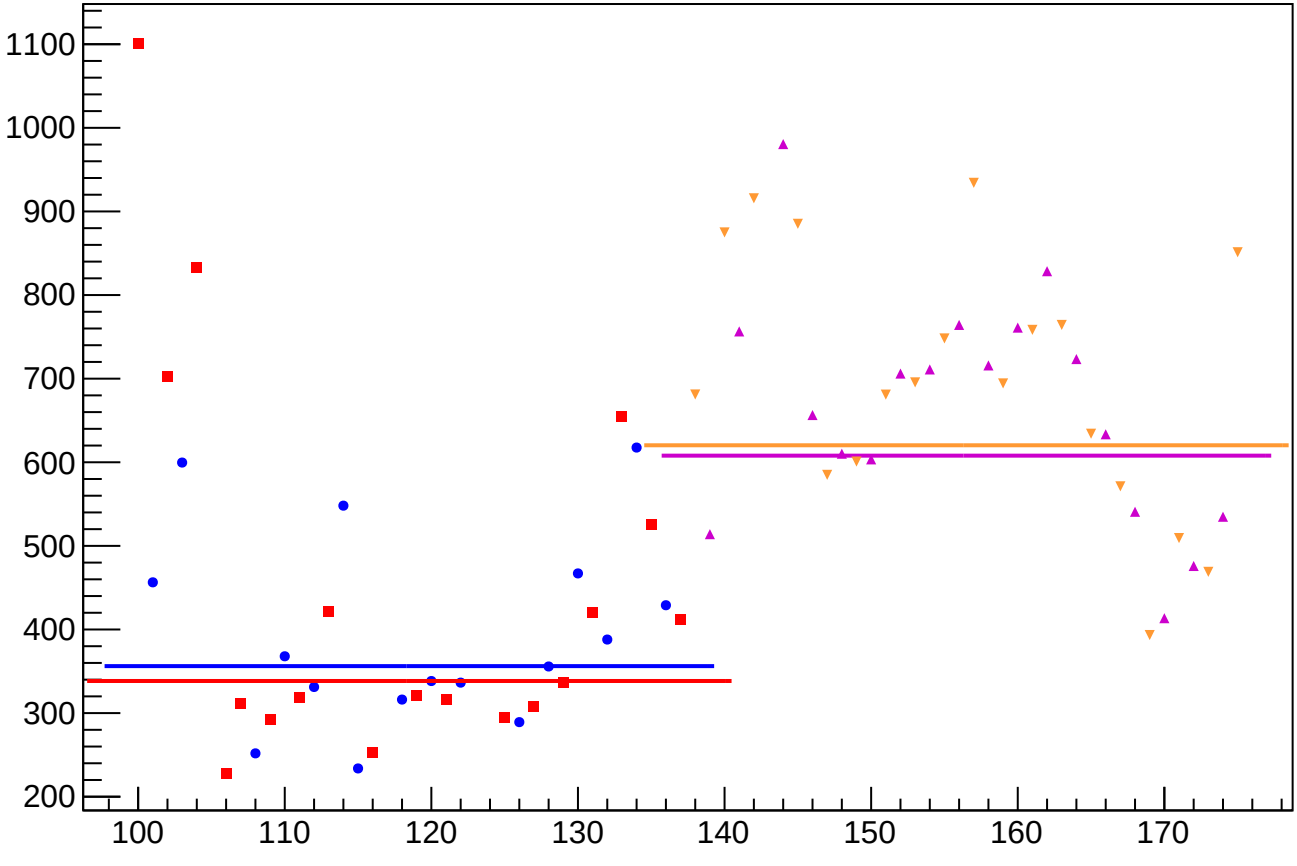
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.019+/-0.075 χ^2/NDF: 93.6/70

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663372.6/18

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

Left: 613.988+/-0.083 χ^2/NDF: 2968966.9/36

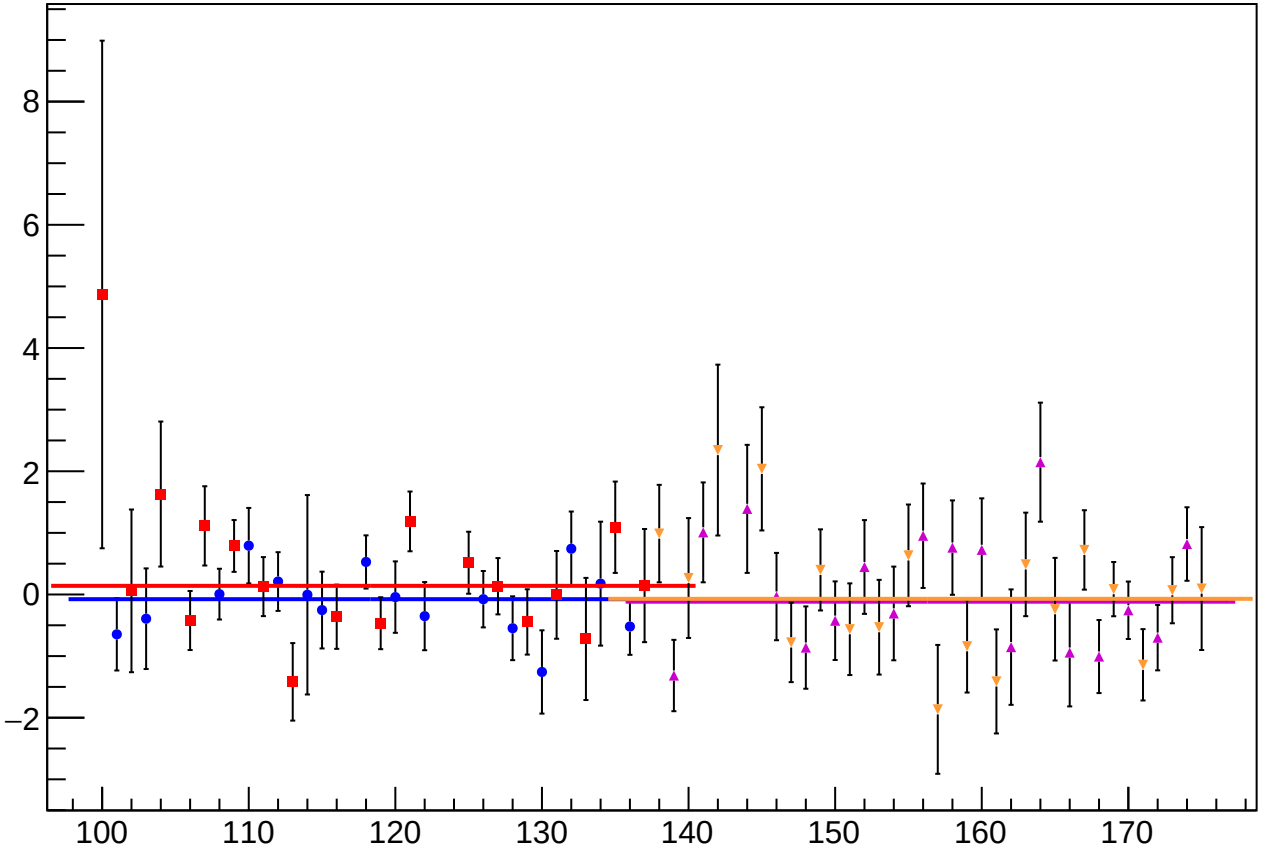
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 462.632+/-0.075 χ^2/NDF:4823157.2/33

Out: 452.729+/-0.075 χ^2/NDF:6252769.8/36

All: 457.685+/-0.053 χ^2/NDF: 11084599.3/70

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.094+/-0.117 χ^2/NDF: 52.2/36

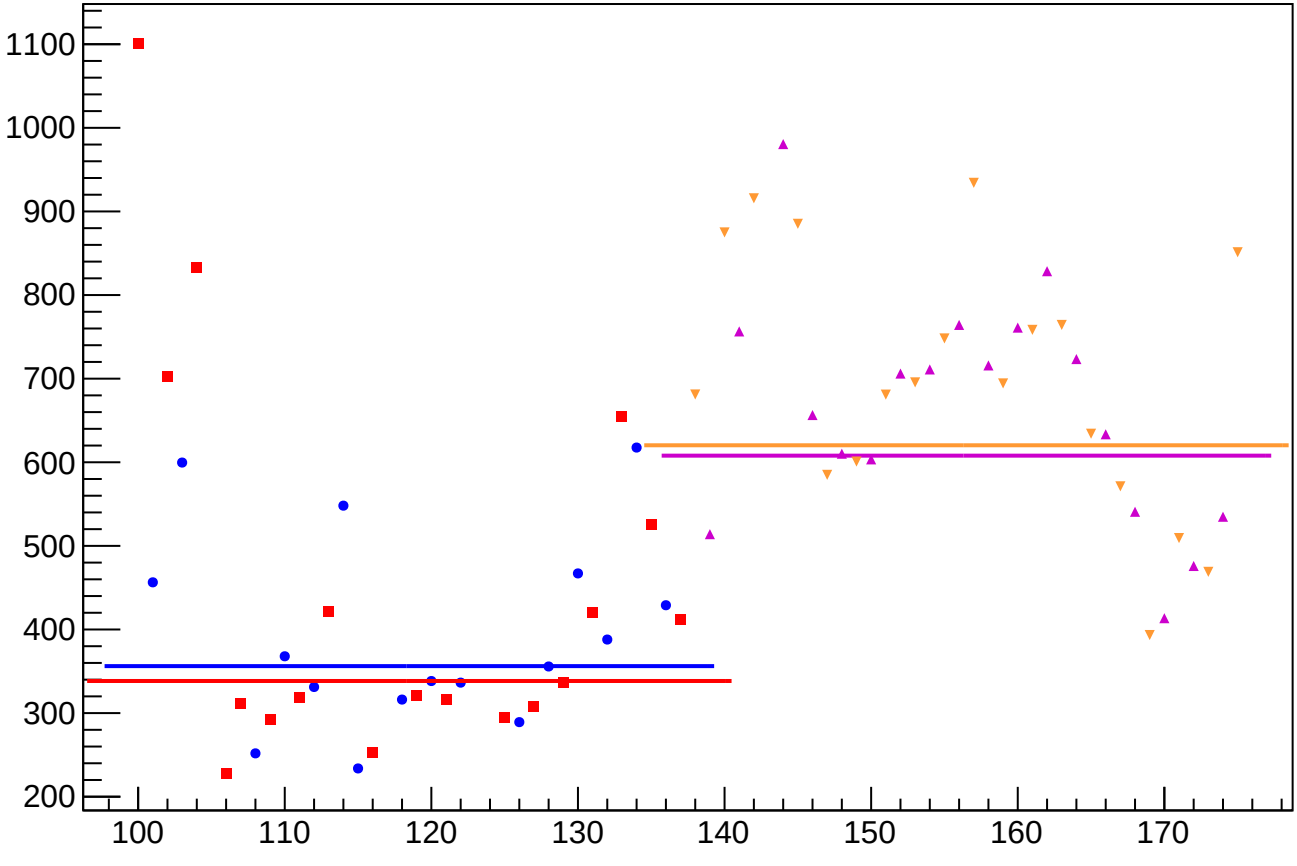
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.019+/-0.075 χ^2/NDF: 93.6/70

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663372.6/18

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

Left: 613.988+/-0.083 χ^2/NDF: 2968966.9/36

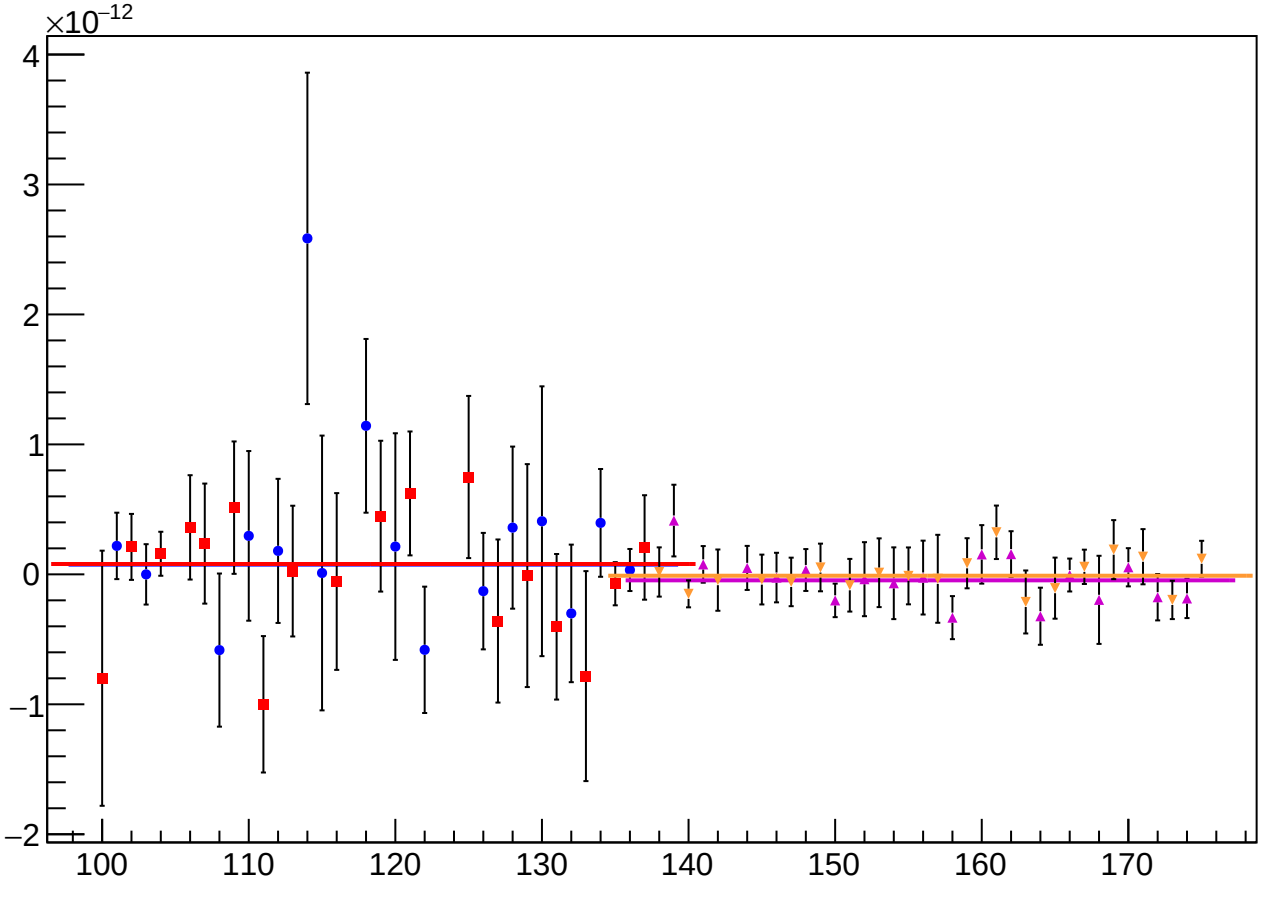
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 462.632+/-0.075 χ^2/NDF:4823157.2/33

Out: 452.729+/-0.075 χ^2/NDF:6252769.8/36

All: 457.685+/-0.053 χ^2/NDF: 11084599.3/70

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

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

Left: -0.000+/-0.000 χ^2/NDF: 24.7/36

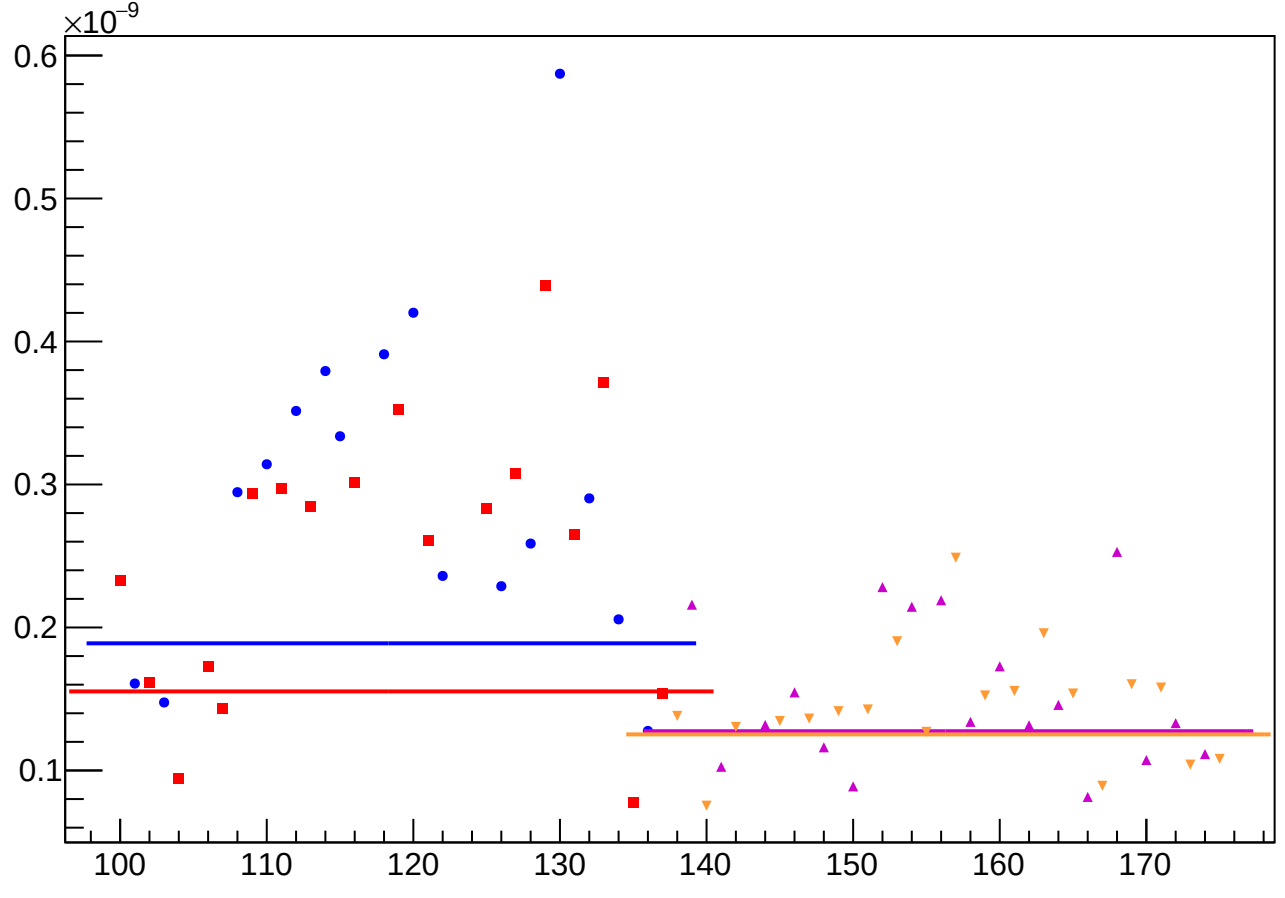
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:27.5/33

Out: 0.000+/-0.000 χ^2/NDF:23.9/36

All: -0.000+/-0.000 χ^2/NDF: 51.8/70

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1499753.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1854364.3/17

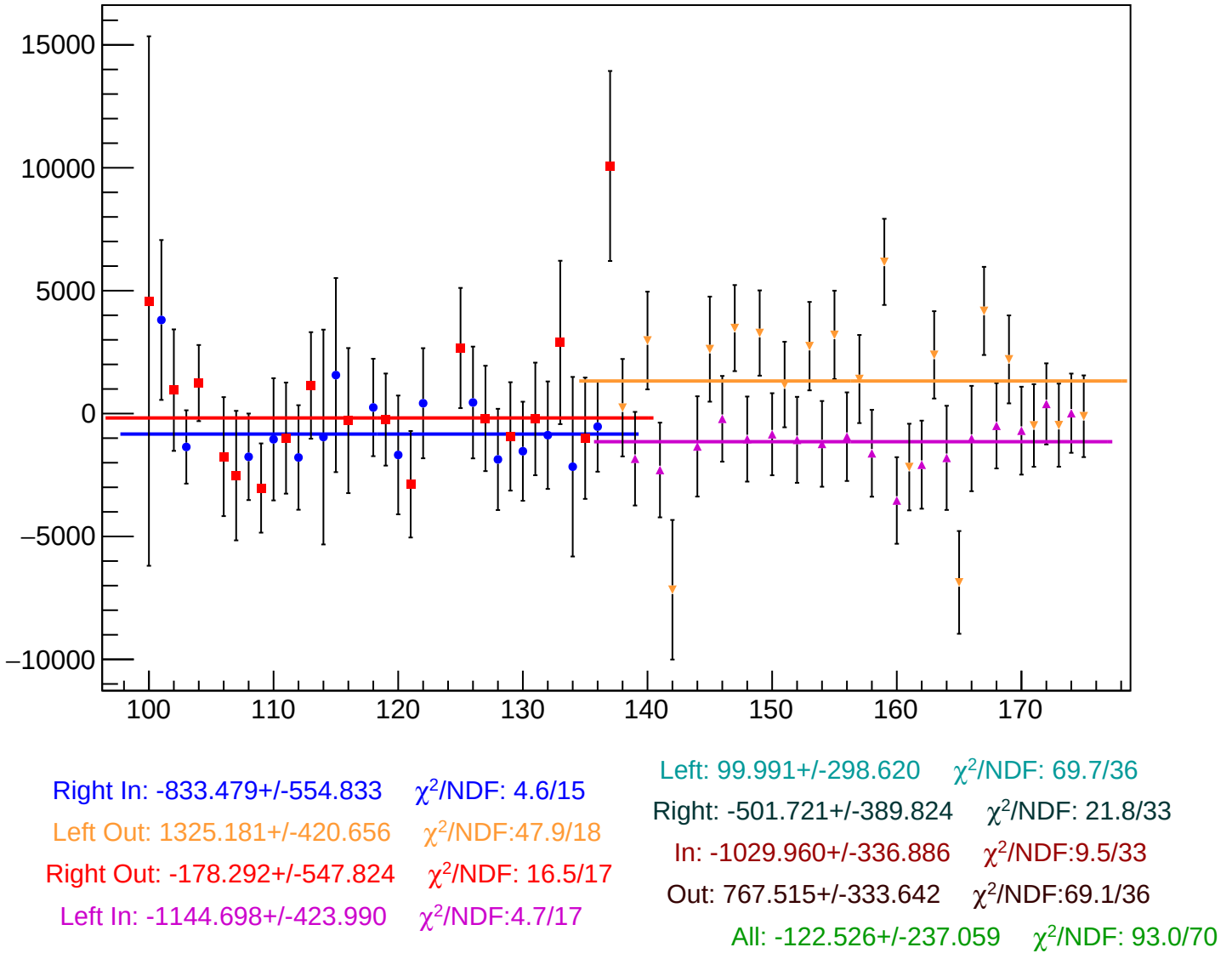
Left: 0.000+/-0.000 χ^2/NDF: 3356929.9/36

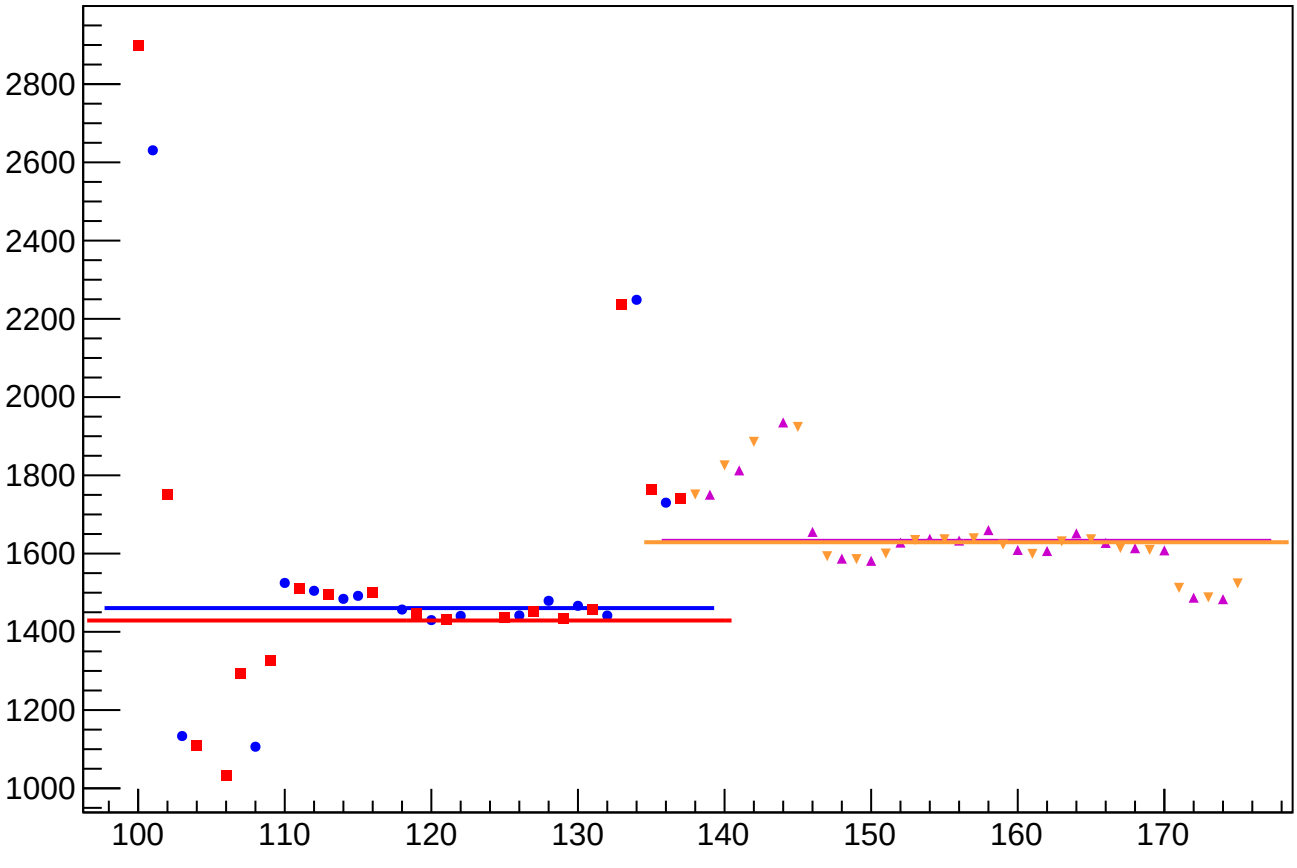
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:4057917.9/33

Out: 0.000+/-0.000 χ^2/NDF:3900158.8/36

All: 0.000+/-0.000 χ^2/NDF: 7985524.1/70


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1325.181+/-420.656 χ²/NDF:47.9/18
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1144.698+/-423.990 χ²/NDF:4.7/17
Left: 99.991+/-298.620 χ²/NDF: 69.7/36
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1029.960+/-336.886 χ²/NDF:9.5/33
Out: 767.515+/-333.642 χ²/NDF:69.1/36
All: -122.526+/-237.059 χ²/NDF: 93.0/70



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

Left: 1630.750+/-0.211 χ^2/NDF: 224368.3/36

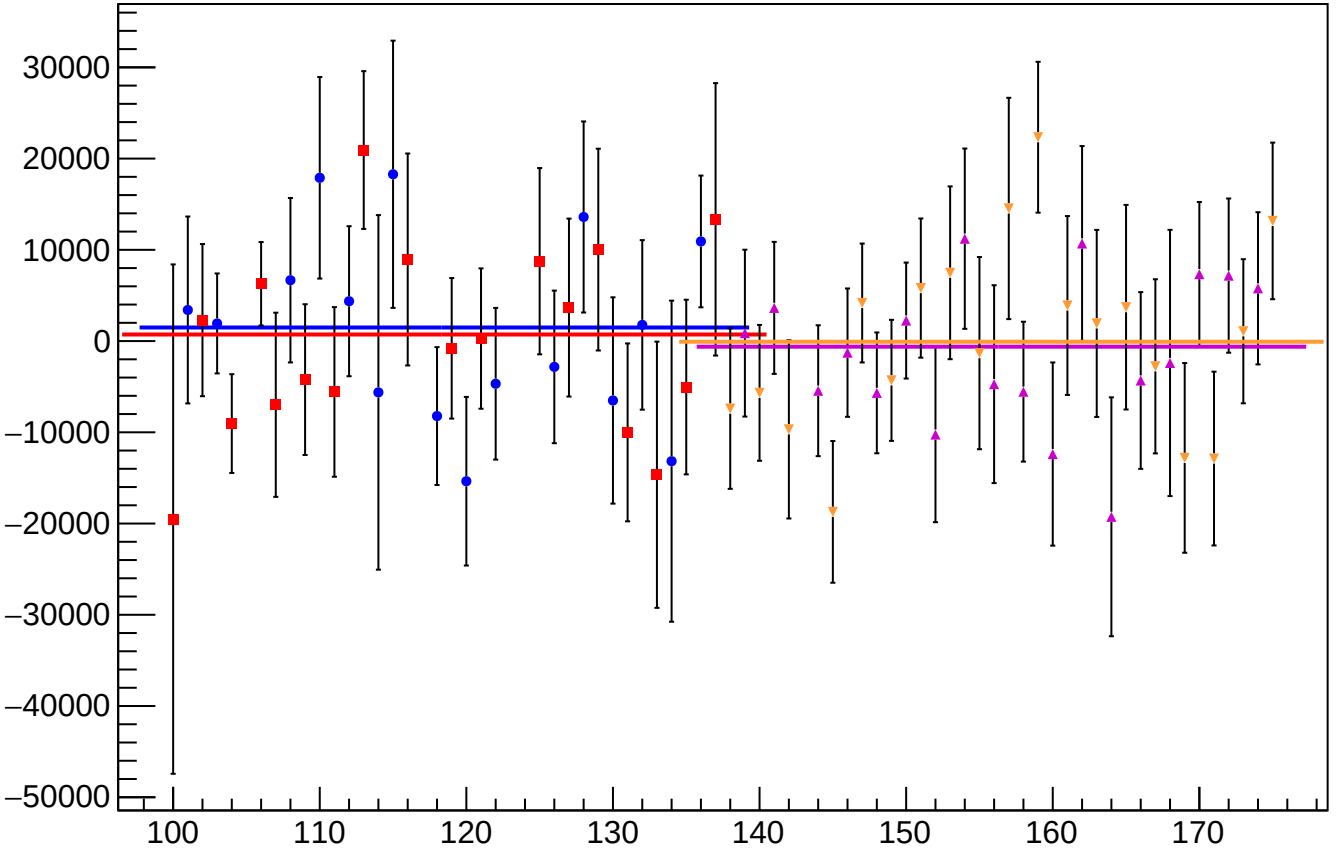
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1569.180+/-0.238 χ^2/NDF:804424.3/33

Out: 1554.084+/-0.235 χ^2/NDF:697403.6/36

All: 1561.538+/-0.167 χ^2/NDF: 1503861.0/70

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -73.824+/-1992.717 χ^2/NDF:25.0/18

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -617.280+/-2003.441 χ^2/NDF:11.8/17

Left: -344.094+/-1412.840 χ^2/NDF: 36.8/36

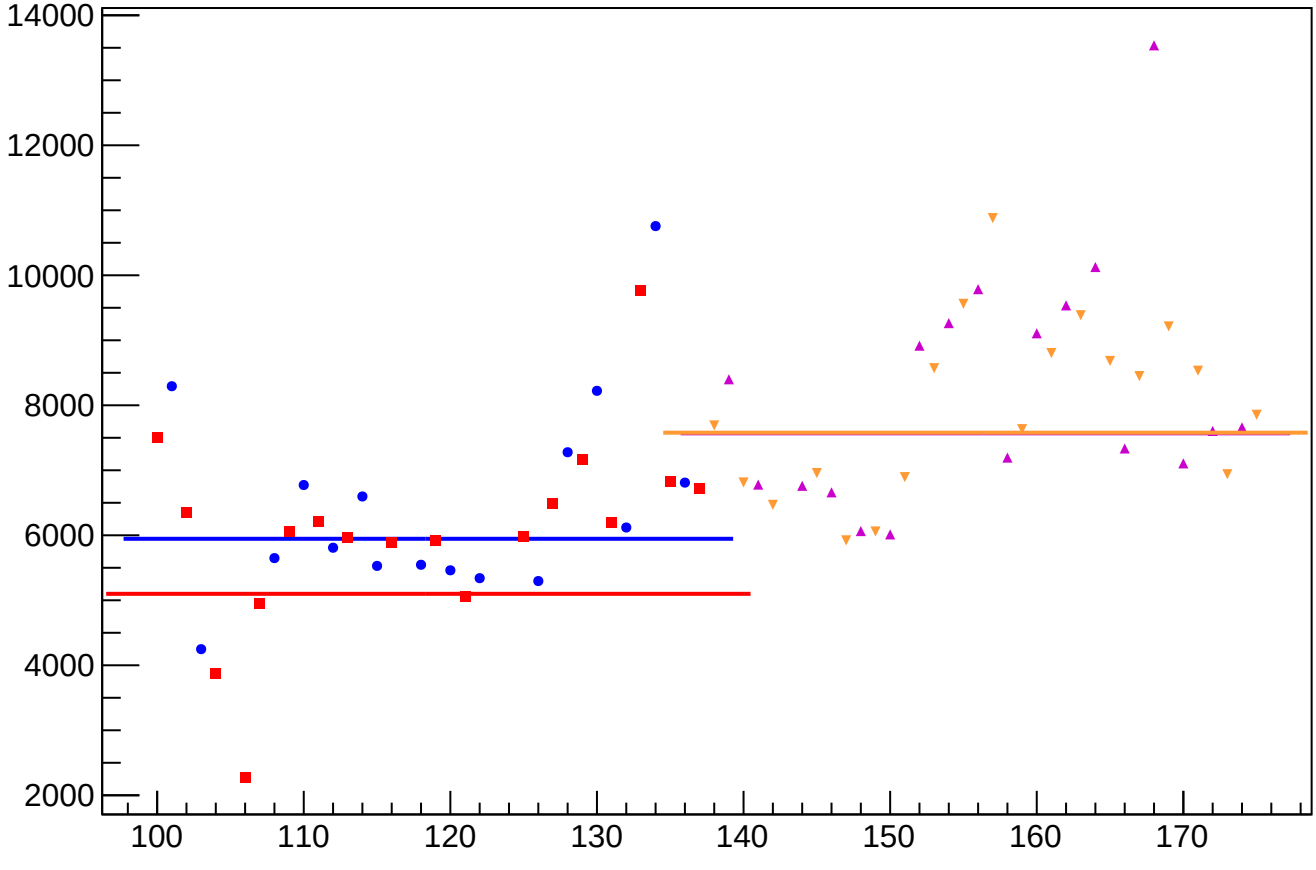
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 305.205+/-1501.520 χ^2/NDF:26.4/33

Out: 319.435+/-1415.678 χ^2/NDF:42.6/36

All: 312.738+/-1030.046 χ^2/NDF: 69.0/70

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7578.532+/-1.409 χ^2/NDF:765652.3/18

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7568.611+/-1.417 χ^2/NDF:1042904.2/17

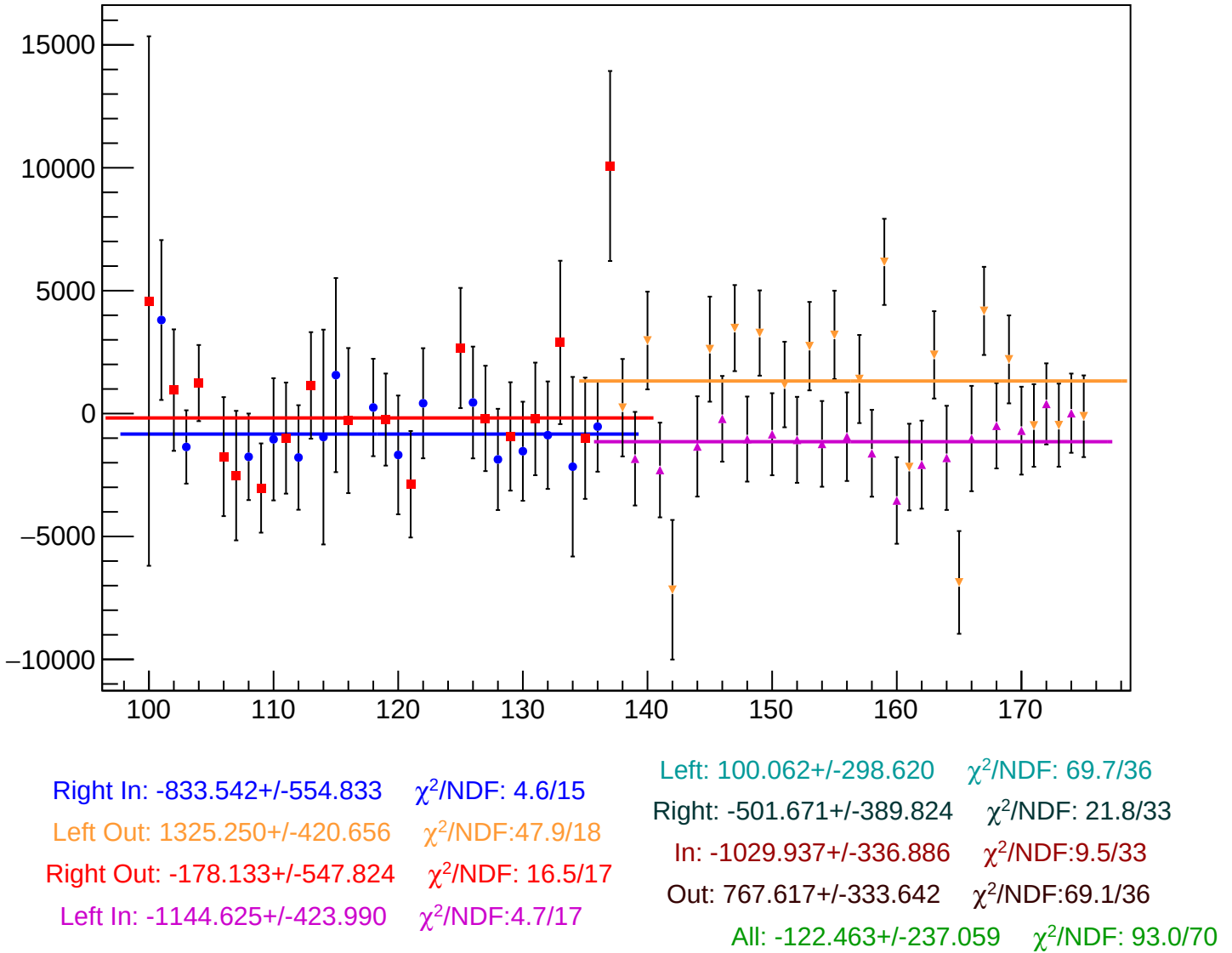
Left: 7573.598+/-0.999 χ^2/NDF: 1808581.2/36

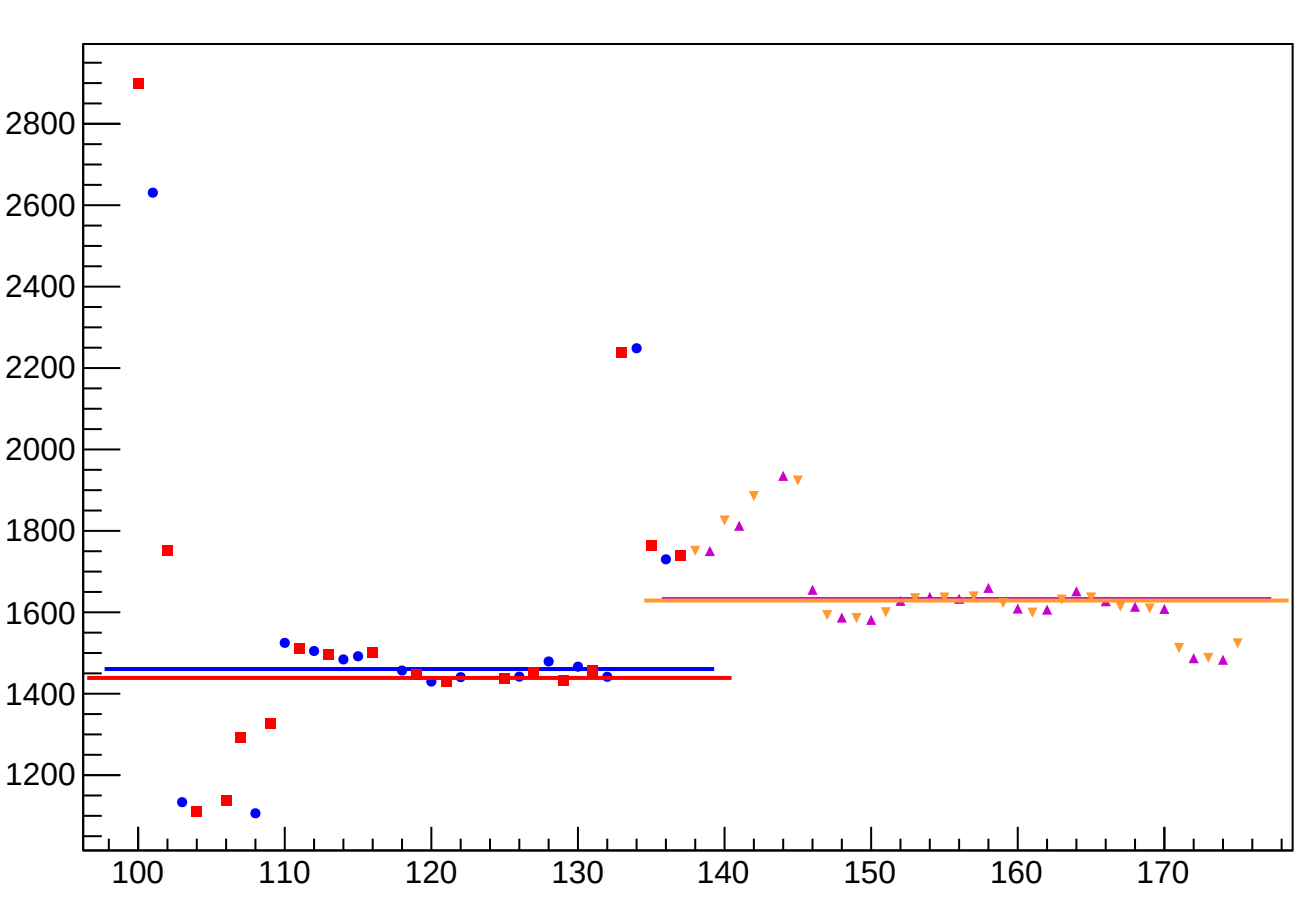
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6857.466+/-1.062 χ^2/NDF:2258983.7/33

Out: 6350.618+/-1.001 χ^2/NDF:3779261.8/36

All: 6589.140+/-0.728 χ^2/NDF: 6158889.7/70


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1325.250+/-420.656 χ²/NDF:47.9/18
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1144.625+/-423.990 χ²/NDF:4.7/17
Left: 100.062+/-298.620 χ²/NDF: 69.7/36
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1029.937+/-336.886 χ²/NDF:9.5/33
Out: 767.617+/-333.642 χ²/NDF:69.1/36
All: -122.463+/-237.059 χ²/NDF: 93.0/70



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

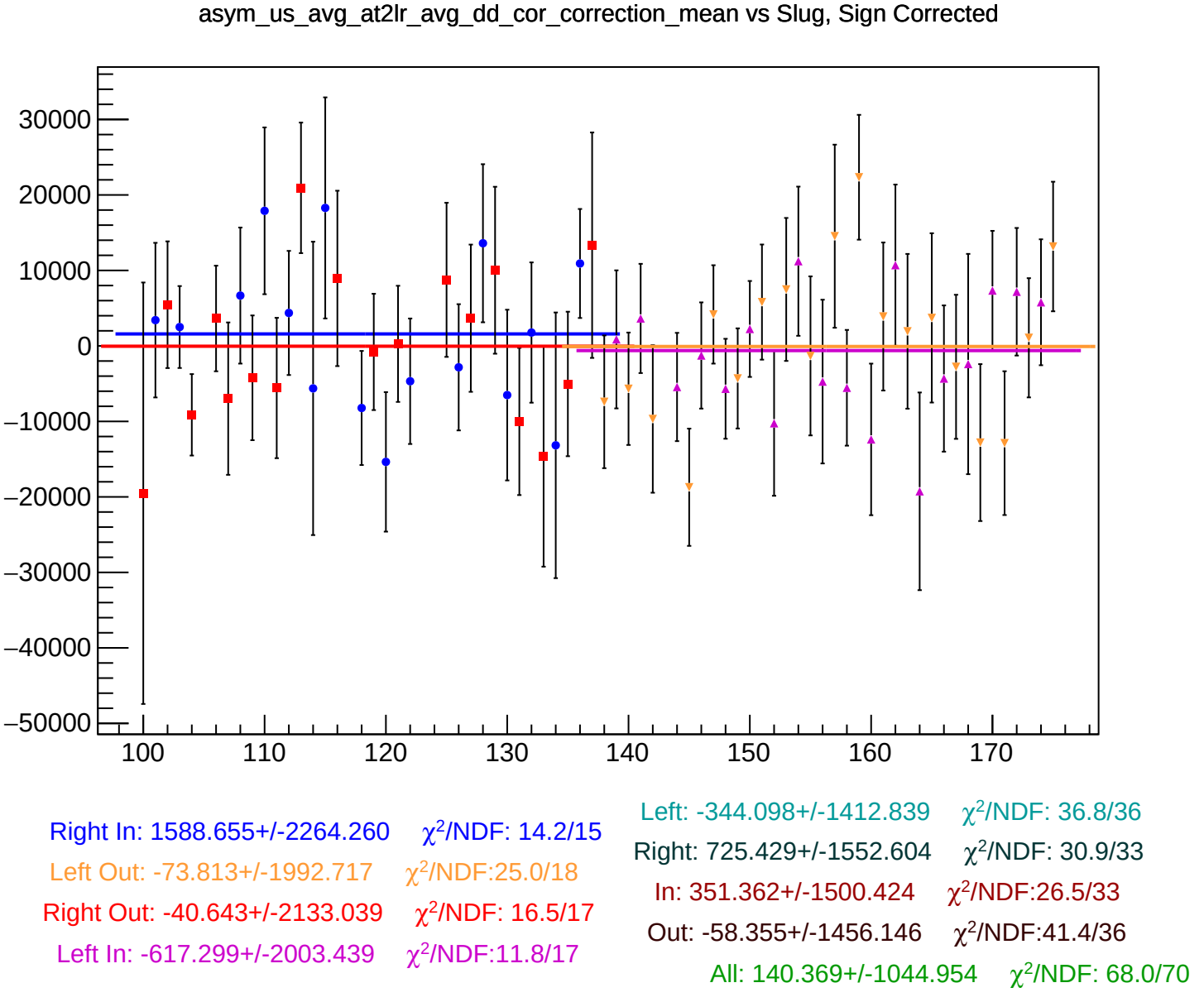
Left: 1630.750+/-0.211 χ^2/NDF: 224368.3/36

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

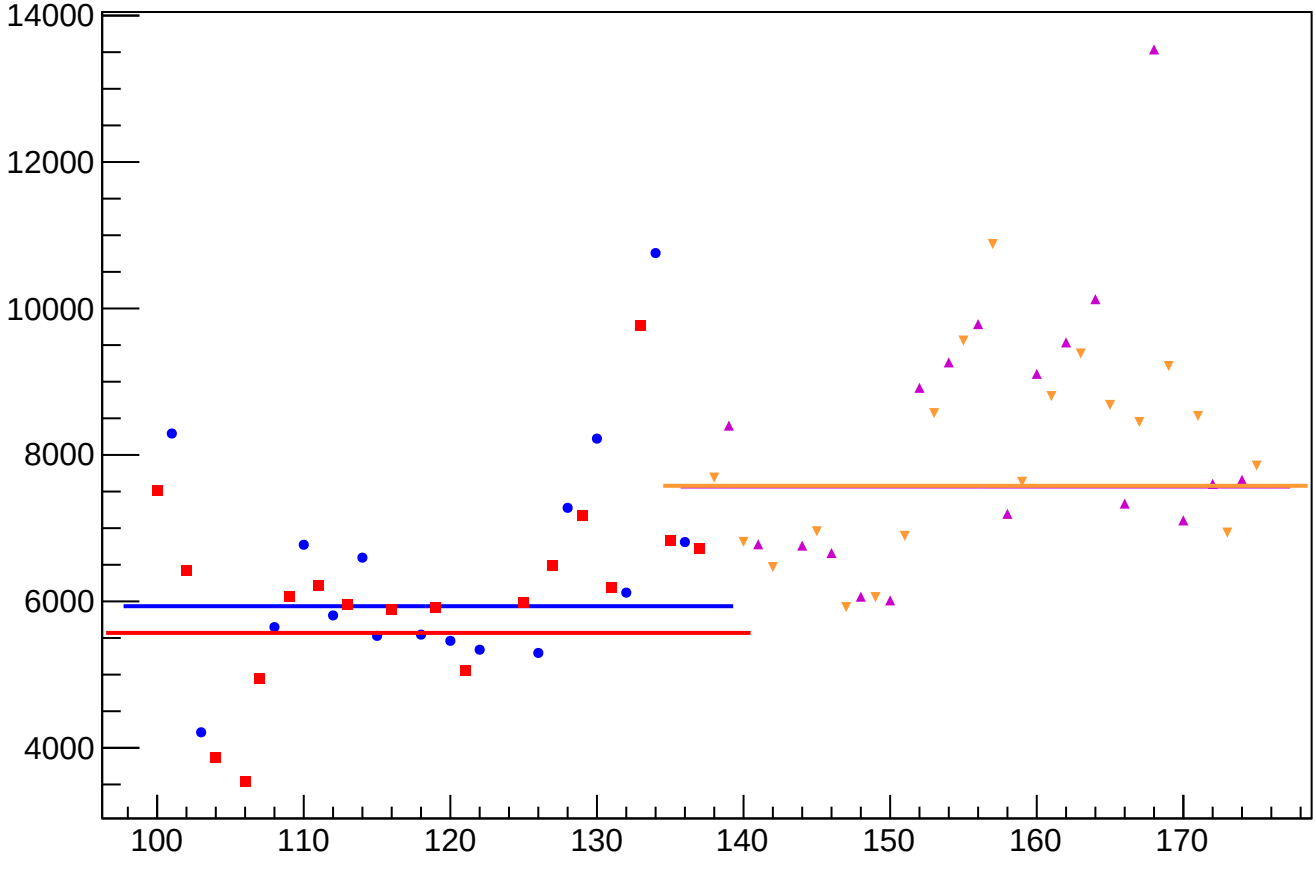
In: 1569.180+/-0.238 χ^2/NDF:804424.7/33

Out: 1558.217+/-0.236 χ^2/NDF:642302.2/36

All: 1563.641+/-0.168 χ^2/NDF: 1447797.0/70


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -73.813+/-1992.717 χ²/NDF:25.0/18
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -617.299+/-2003.439 χ²/NDF:11.8/17
Left: -344.098+/-1412.839 χ²/NDF: 36.8/36
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 351.362+/-1500.424 χ²/NDF:26.5/33
Out: -58.355+/-1456.146 χ²/NDF:41.4/36
All: 140.369+/-1044.954 χ²/NDF: 68.0/70

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

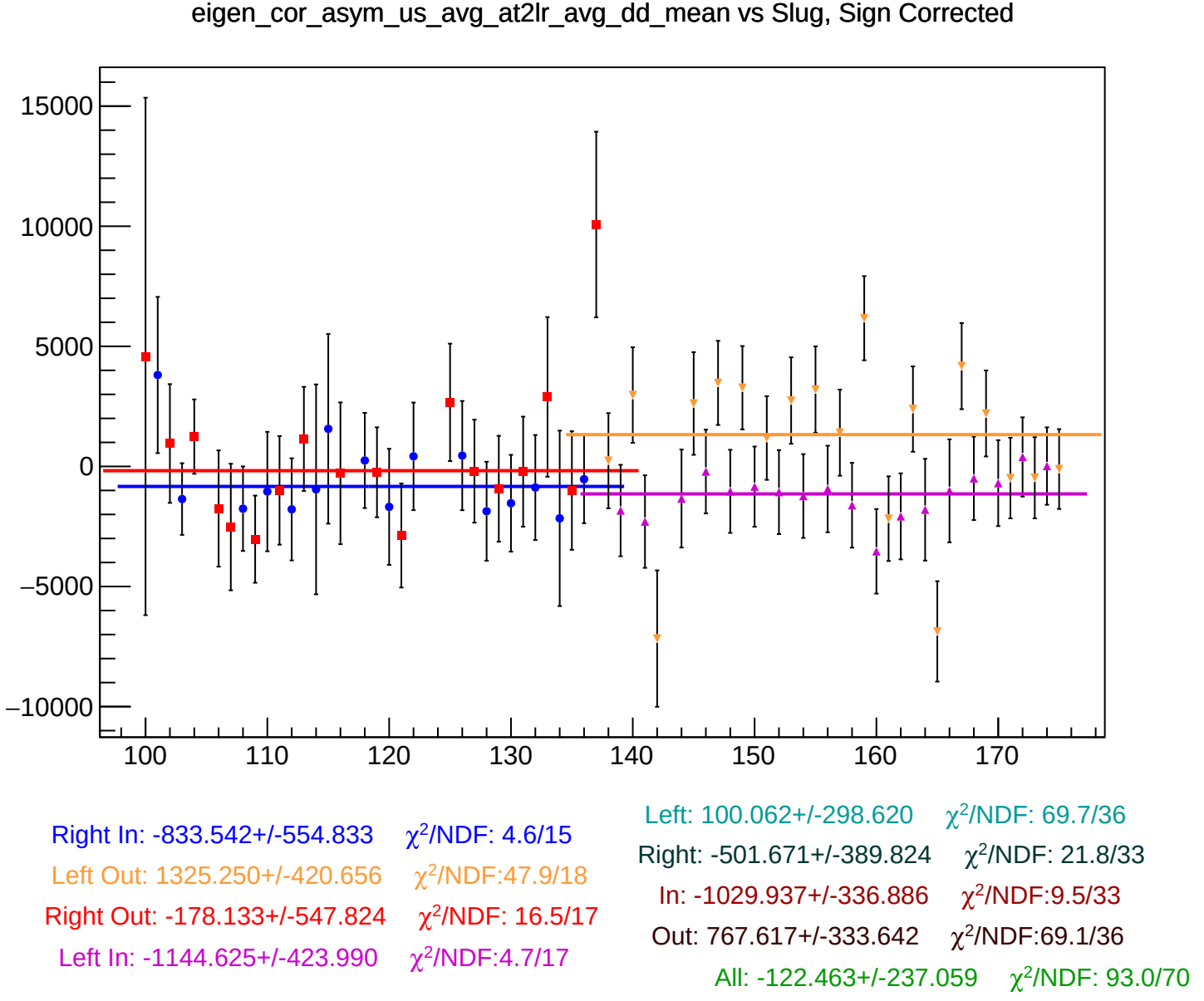
Left: 7573.595+/-0.999 χ^2/NDF: 1808584.6/36

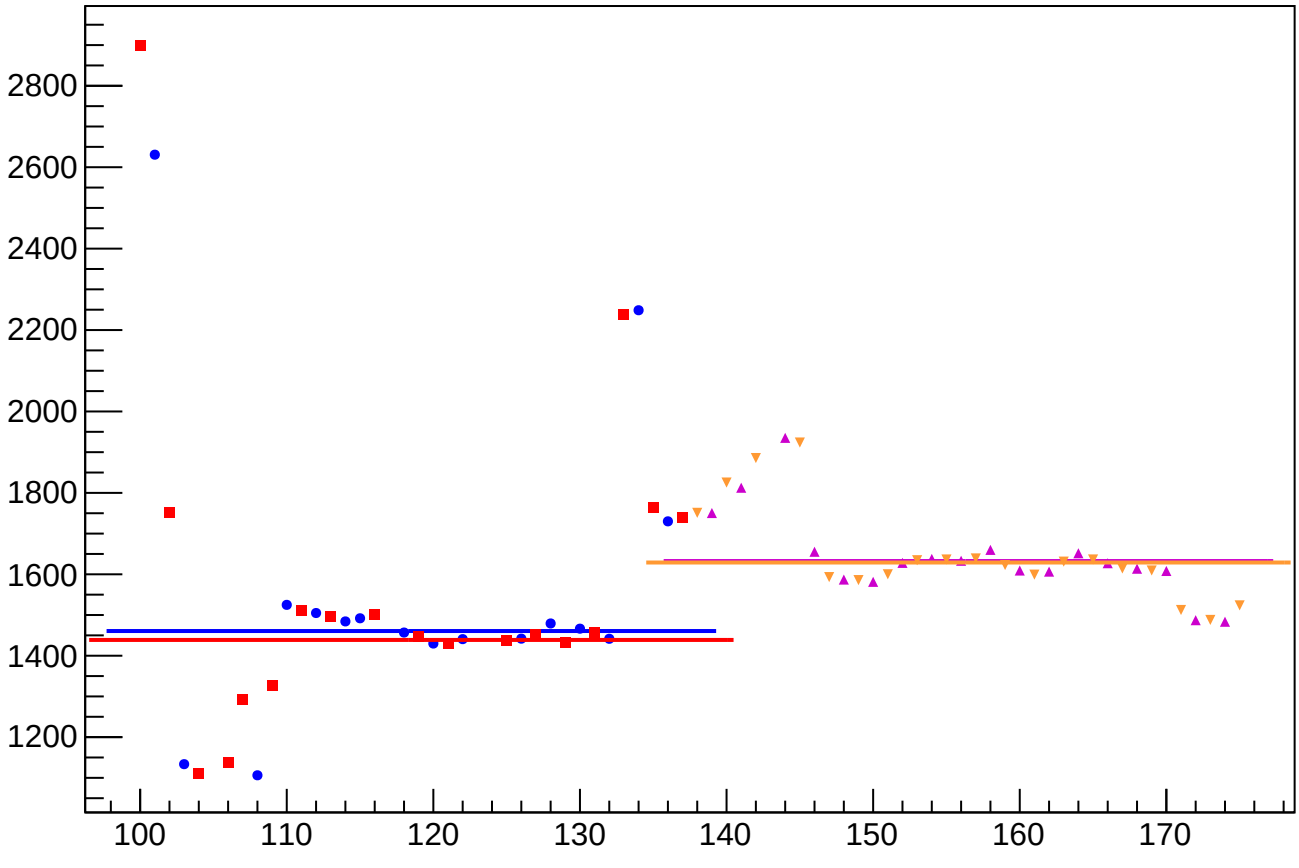
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6850.922+/-1.061 χ^2/NDF:2280468.4/33

Out: 6642.316+/-1.030 χ^2/NDF:2436980.6/36

All: 6743.495+/-0.739 χ^2/NDF: 4737357.6/70


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1325.250+/-420.656 χ²/NDF:47.9/18
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1144.625+/-423.990 χ²/NDF:4.7/17
Left: 100.062+/-298.620 χ²/NDF: 69.7/36
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1029.937+/-336.886 χ²/NDF:9.5/33
Out: 767.617+/-333.642 χ²/NDF:69.1/36
All: -122.463+/-237.059 χ²/NDF: 93.0/70



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

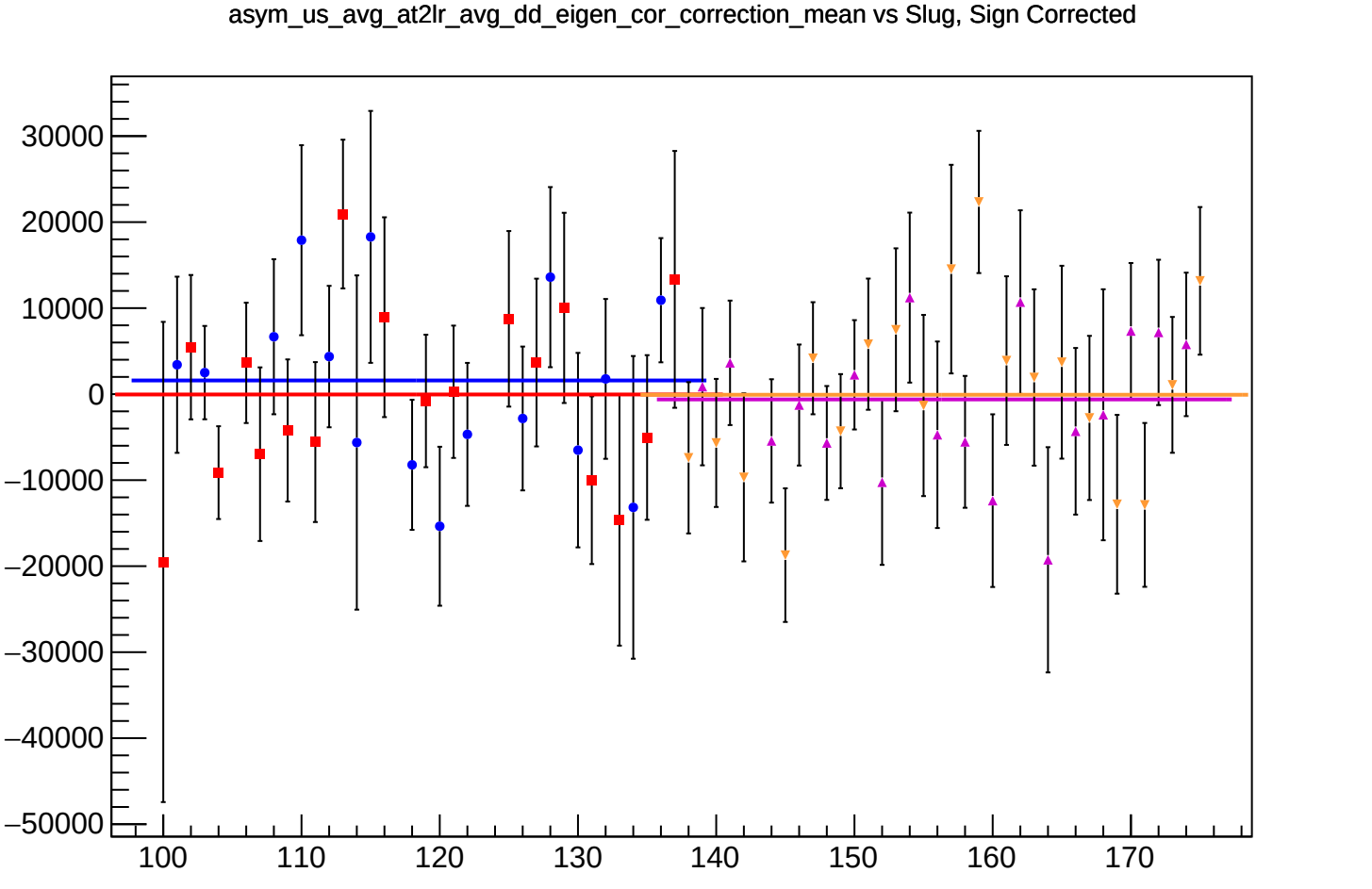
Left: 1630.750+/-0.211 χ^2/NDF: 224368.3/36

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1569.180+/-0.238 χ^2/NDF:804424.7/33

Out: 1558.217+/-0.236 χ^2/NDF:642302.2/36

All: 1563.641+/-0.168 χ^2/NDF: 1447797.0/70



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -73.813+/-1992.717 χ^2/NDF:25.0/18

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -617.299+/-2003.439 χ^2/NDF:11.8/17

Left: -344.098+/-1412.839 χ^2/NDF: 36.8/36

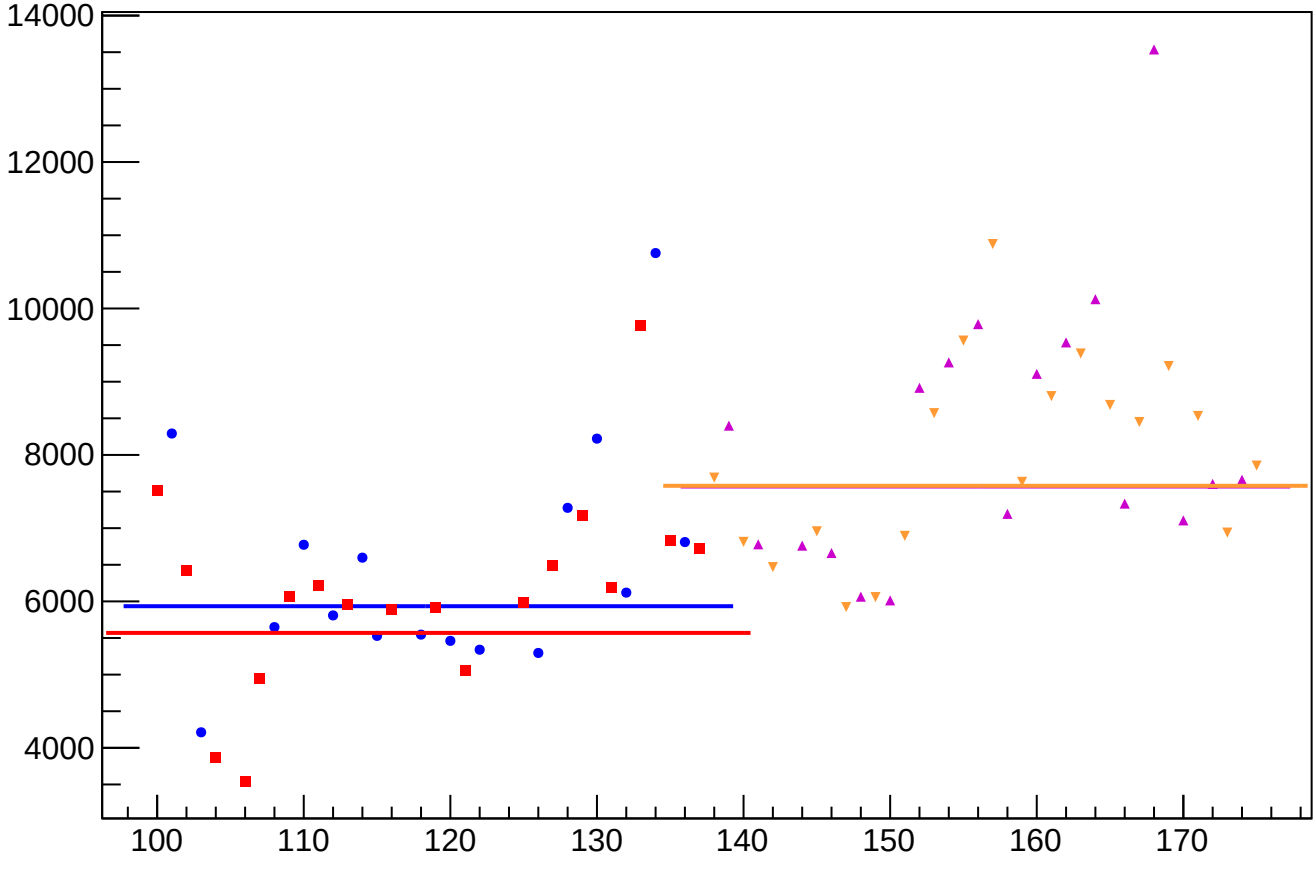
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 351.362+/-1500.424 χ^2/NDF:26.5/33

Out: -58.355+/-1456.146 χ^2/NDF:41.4/36

All: 140.369+/-1044.954 χ^2/NDF: 68.0/70

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

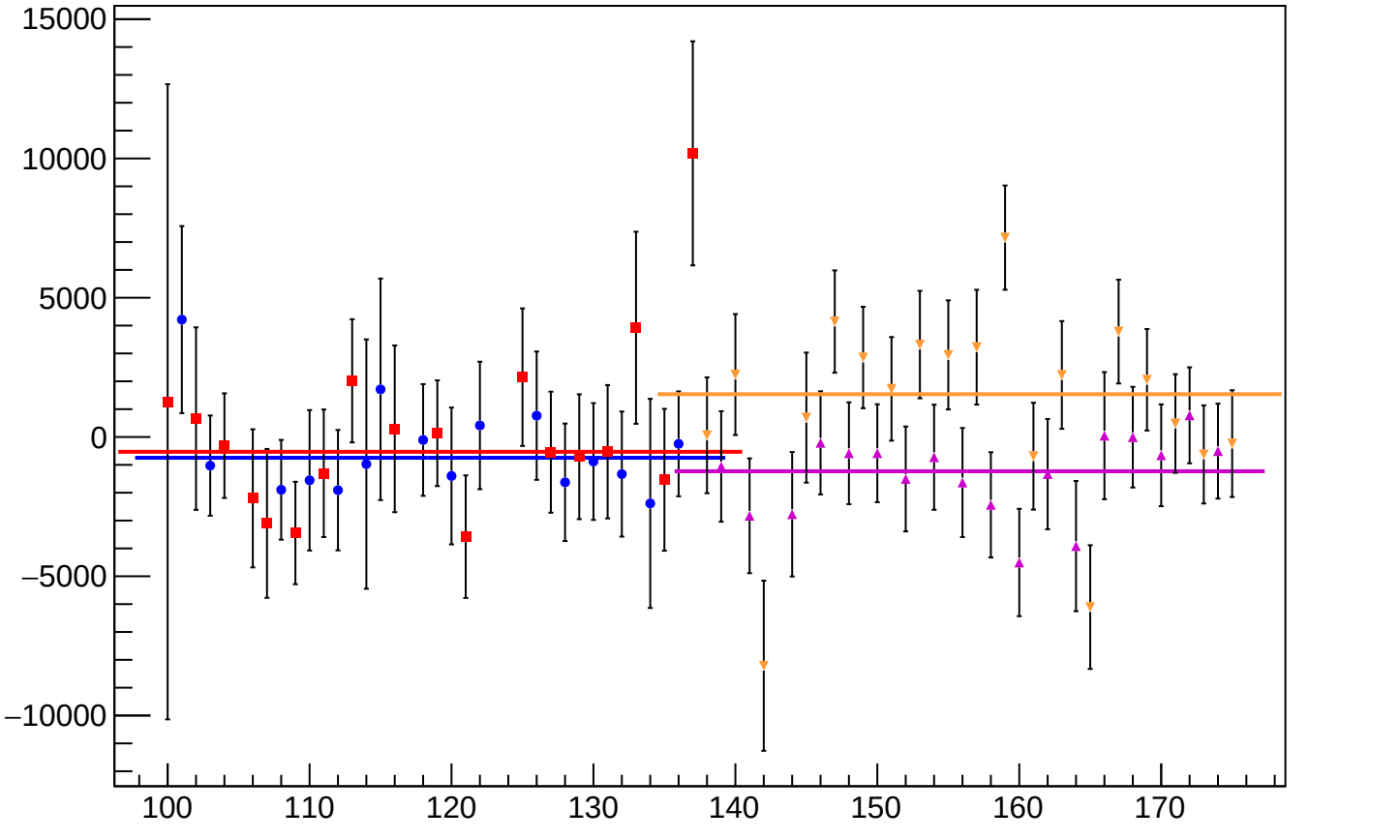
Left: 7573.595+/-0.999 χ^2/NDF: 1808584.6/36

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6850.922+/-1.061 χ^2/NDF:2280468.4/33

Out: 6642.316+/-1.030 χ^2/NDF:2436980.6/36

All: 6743.495+/-0.739 χ^2/NDF: 4737357.6/70



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1537.328+/-450.974 χ^2/NDF:42.1/18

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1230.381+/-451.928 χ^2/NDF:8.8/17

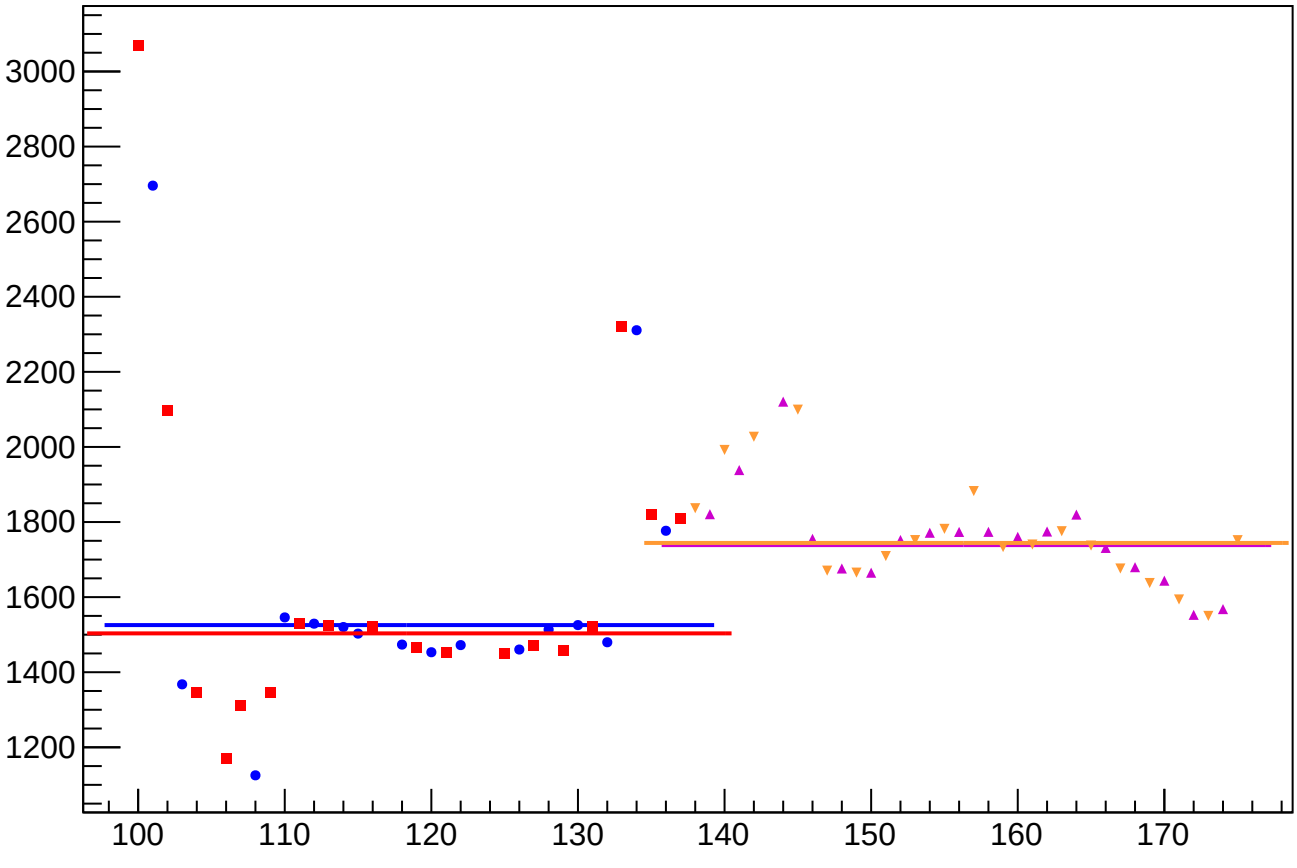
Left: 156.396+/-319.223 χ^2/NDF: 69.7/36

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -1046.603+/-356.037 χ^2/NDF:14.0/33

Out: 749.678+/-354.879 χ^2/NDF:67.8/36

All: -145.537+/-251.346 χ^2/NDF: 94.6/70



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1744.335+/-0.319 χ^2/NDF:159843.5/18

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1738.577+/-0.320 χ^2/NDF:142863.3/17

Left: 1741.462+/-0.226 χ^2/NDF: 302869.4/36

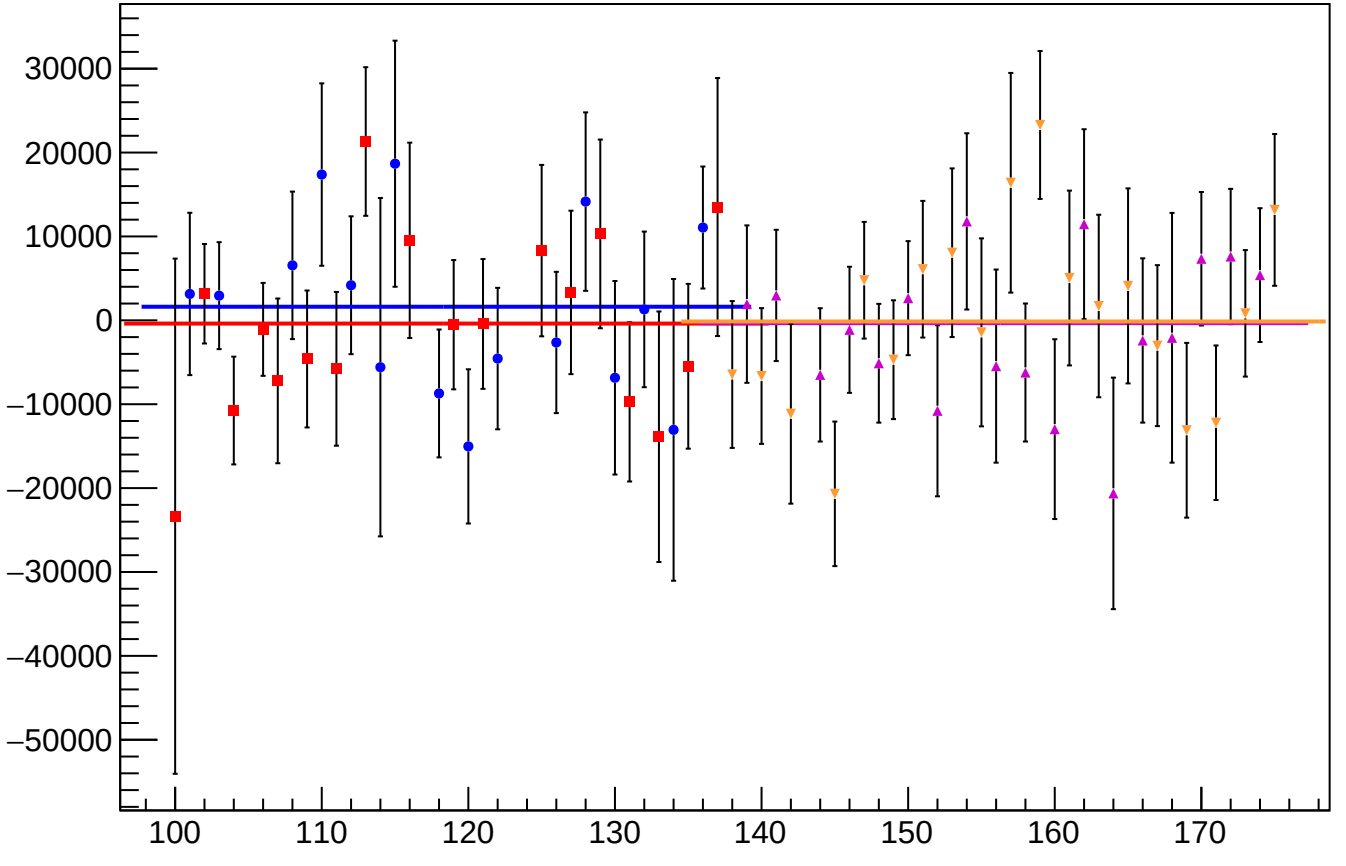
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1657.762+/-0.252 χ^2/NDF:799788.4/33

Out: 1652.576+/-0.251 χ^2/NDF:715727.3/36

All: 1655.160+/-0.178 χ^2/NDF: 1515728.6/70

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.619 χ^2/NDF:24.7/18

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -334.115+/-2097.087 χ^2/NDF:11.7/17

Left: -234.970+/-1479.506 χ^2/NDF: 36.4/36

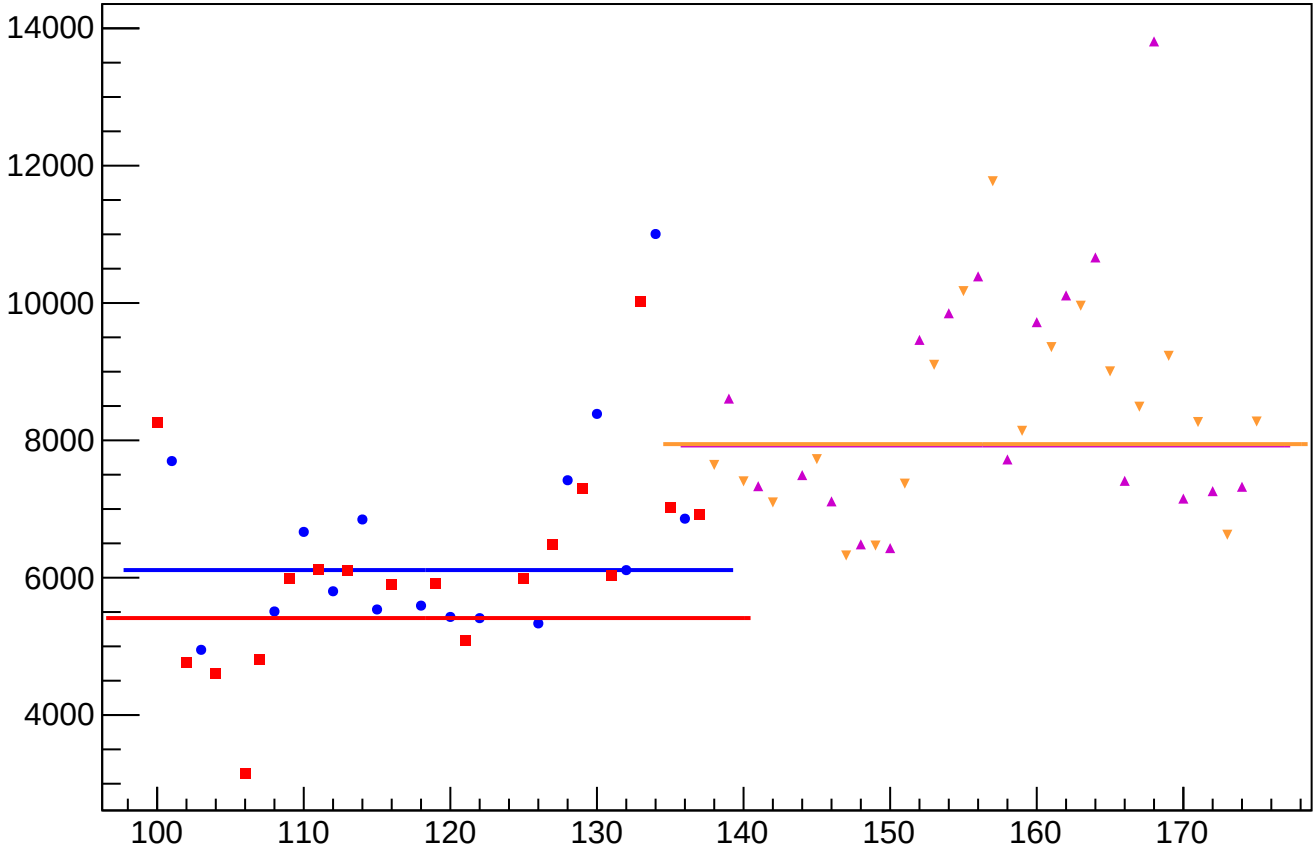
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 544.589+/-1555.729 χ^2/NDF:26.3/33

Out: -262.937+/-1466.620 χ^2/NDF:40.7/36

All: 117.038+/-1067.169 χ^2/NDF: 67.2/70

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7945.191+/-1.476 χ^2/NDF:733358.5/18

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7925.563+/-1.483 χ^2/NDF:1007464.9/17

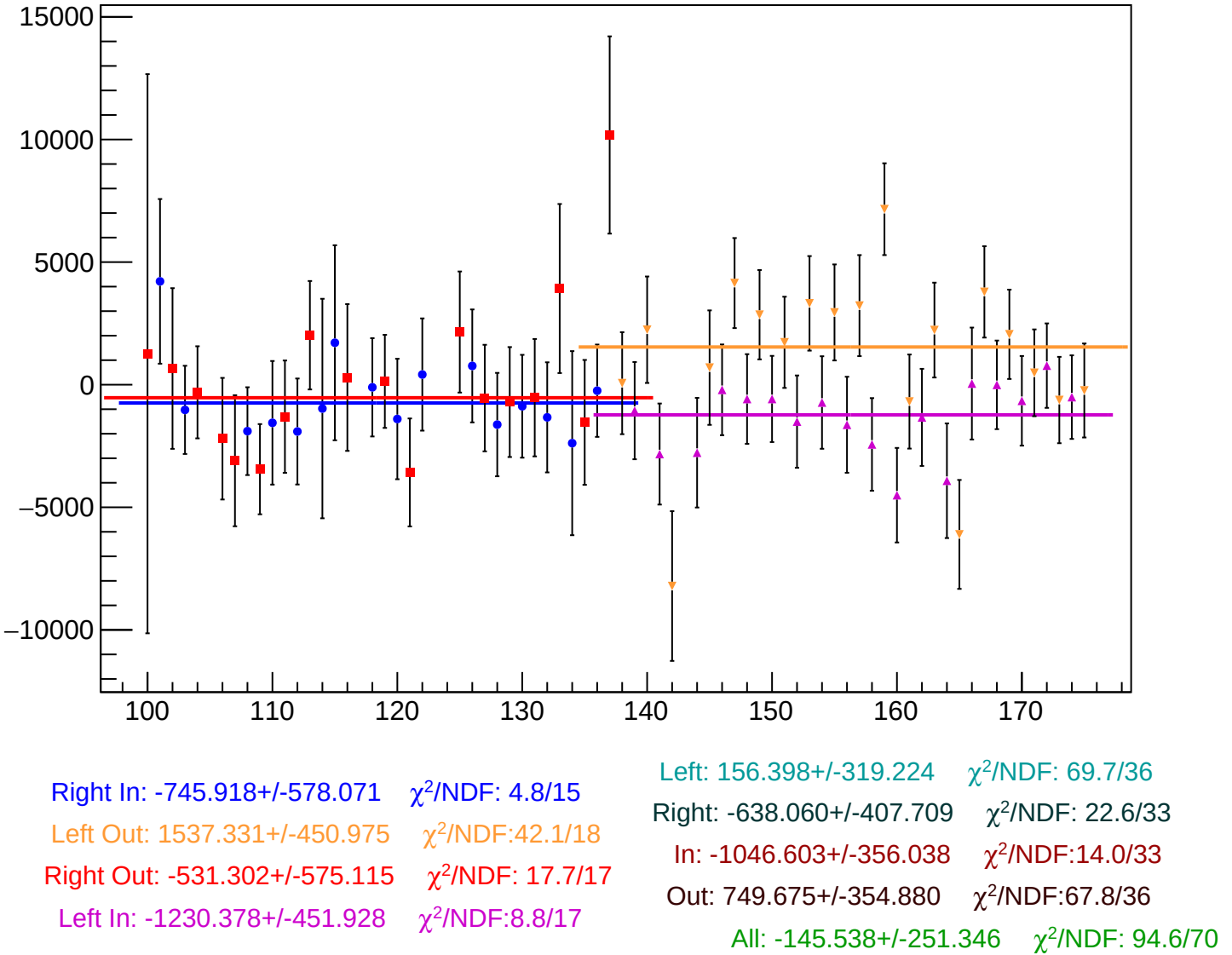
Left: 7935.421+/-1.046 χ^2/NDF: 1740911.3/36

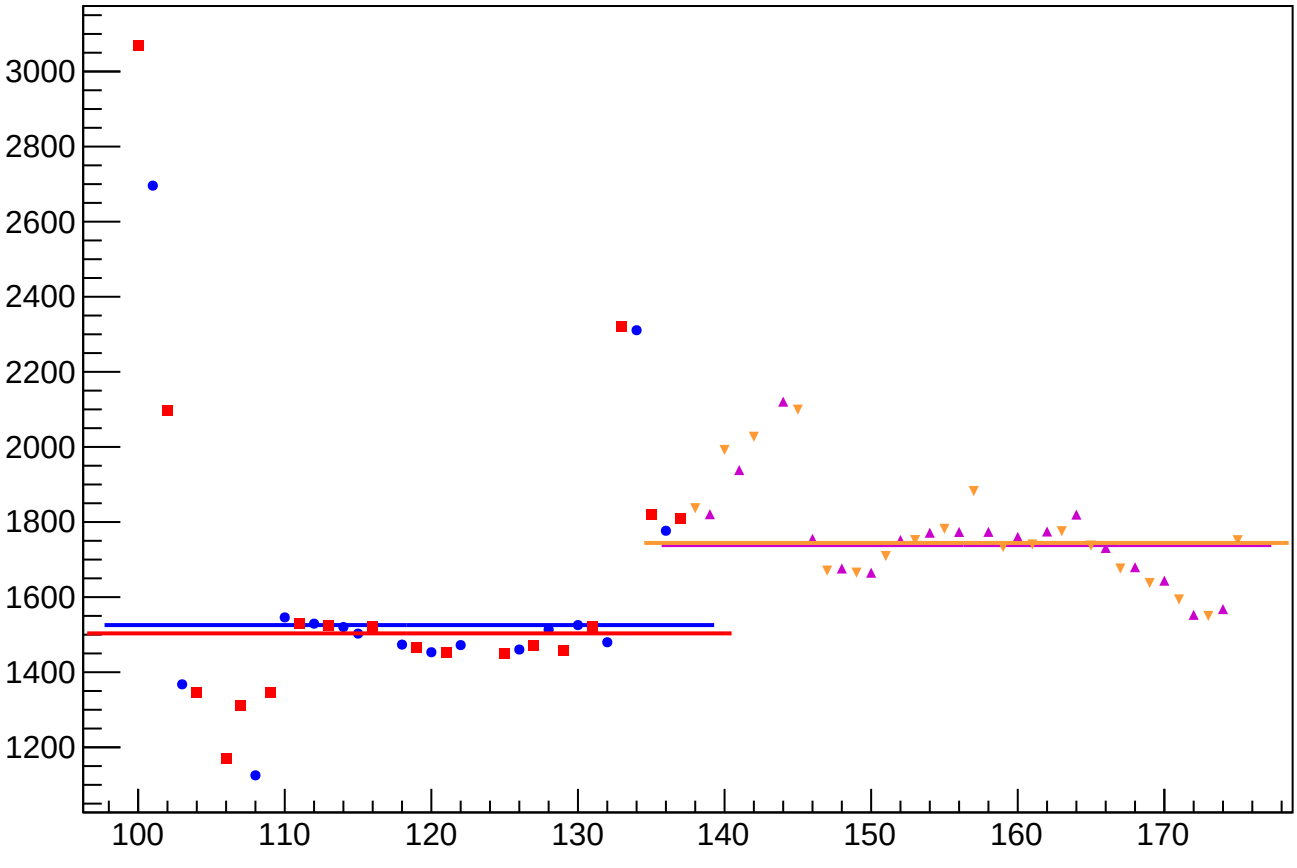
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7109.652+/-1.100 χ^2/NDF:2152418.5/33

Out: 6662.401+/-1.037 χ^2/NDF:3045978.3/36

All: 6872.851+/-0.755 χ^2/NDF: 5285914.7/70


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1537.331+/-450.975 χ²/NDF:42.1/18
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1230.378+/-451.928 χ²/NDF:8.8/17
Left: 156.398+/-319.224 χ²/NDF: 69.7/36
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1046.603+/-356.038 χ²/NDF:14.0/33
Out: 749.675+/-354.880 χ²/NDF:67.8/36
All: -145.538+/-251.346 χ²/NDF: 94.6/70



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1744.337+/-0.319 χ^2/NDF:159848.6/18

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1738.579+/-0.320 χ^2/NDF:142867.6/17

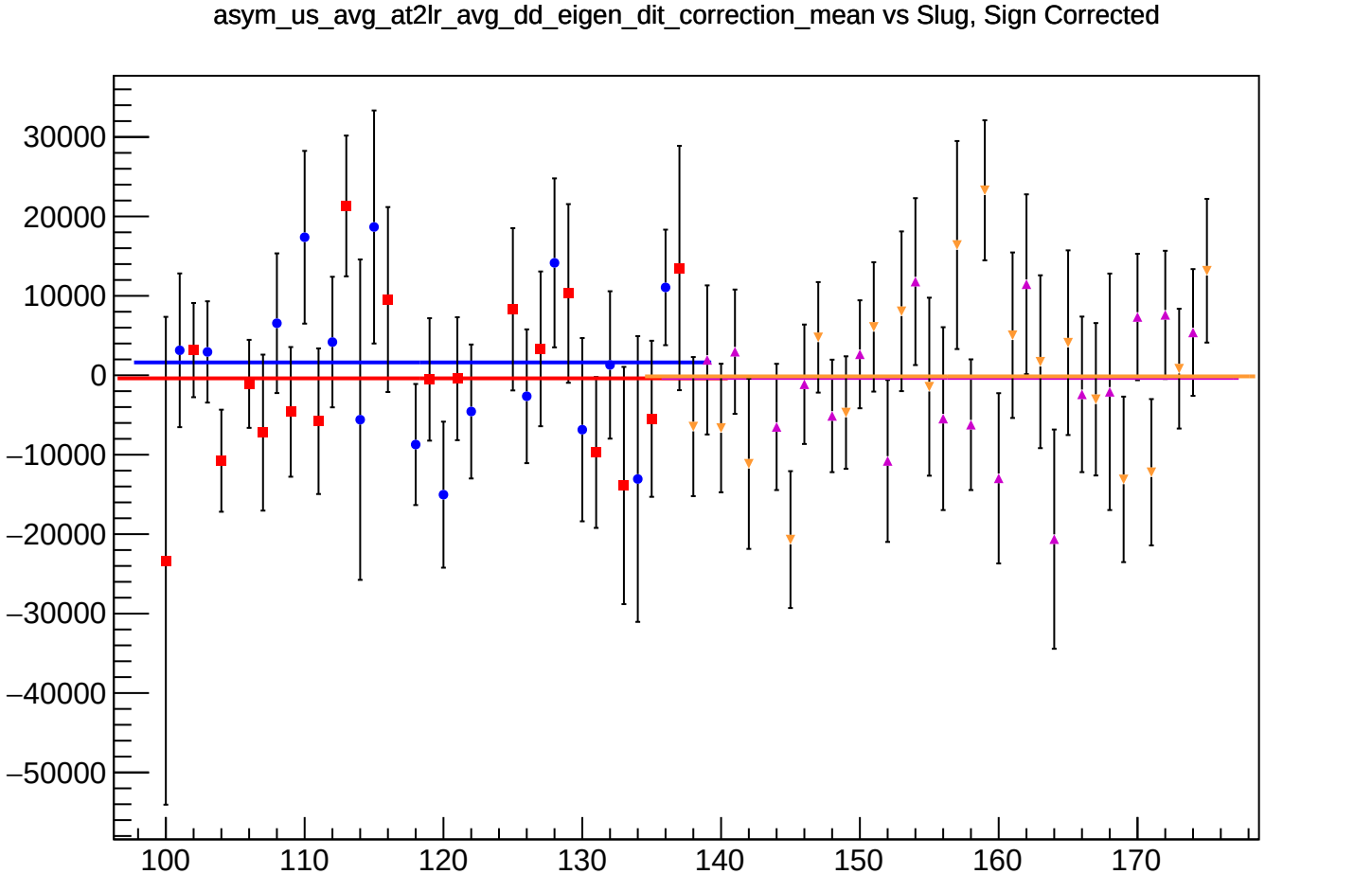
Left: 1741.464+/-0.226 χ^2/NDF: 302878.8/36

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1657.763+/-0.252 χ^2/NDF:799795.0/33

Out: 1652.577+/-0.251 χ^2/NDF:715734.9/36

All: 1655.161+/-0.178 χ^2/NDF: 1515742.8/70



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.622 χ^2/NDF:24.7/18

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -334.112+/-2097.090 χ^2/NDF:11.7/17

Left: -234.969+/-1479.508 χ^2/NDF: 36.4/36

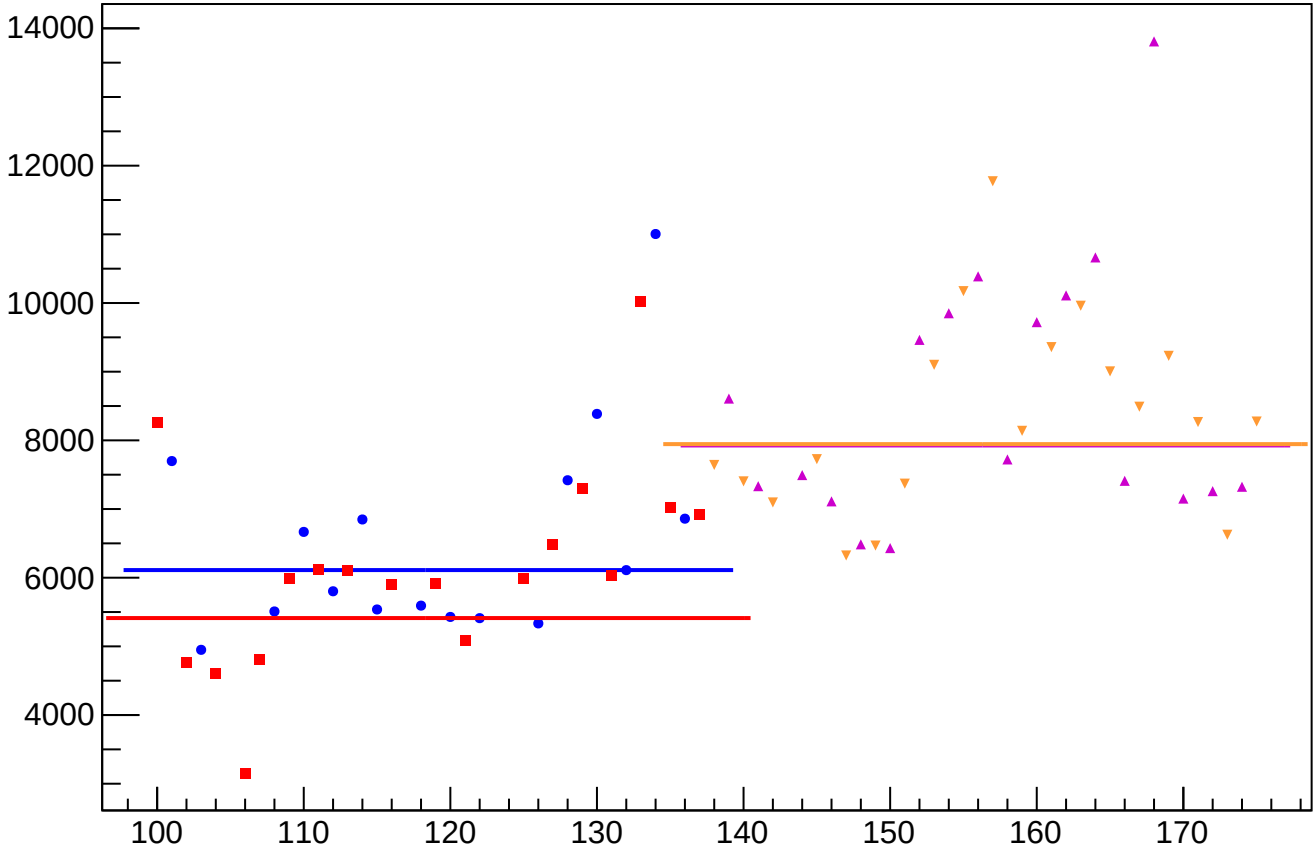
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 544.585+/-1555.728 χ^2/NDF:26.3/33

Out: -262.941+/-1466.620 χ^2/NDF:40.7/36

All: 117.034+/-1067.169 χ^2/NDF: 67.2/70

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7945.203+/-1.476 χ^2/NDF:733359.1/18

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7925.574+/-1.483 χ^2/NDF:1007466.7/17

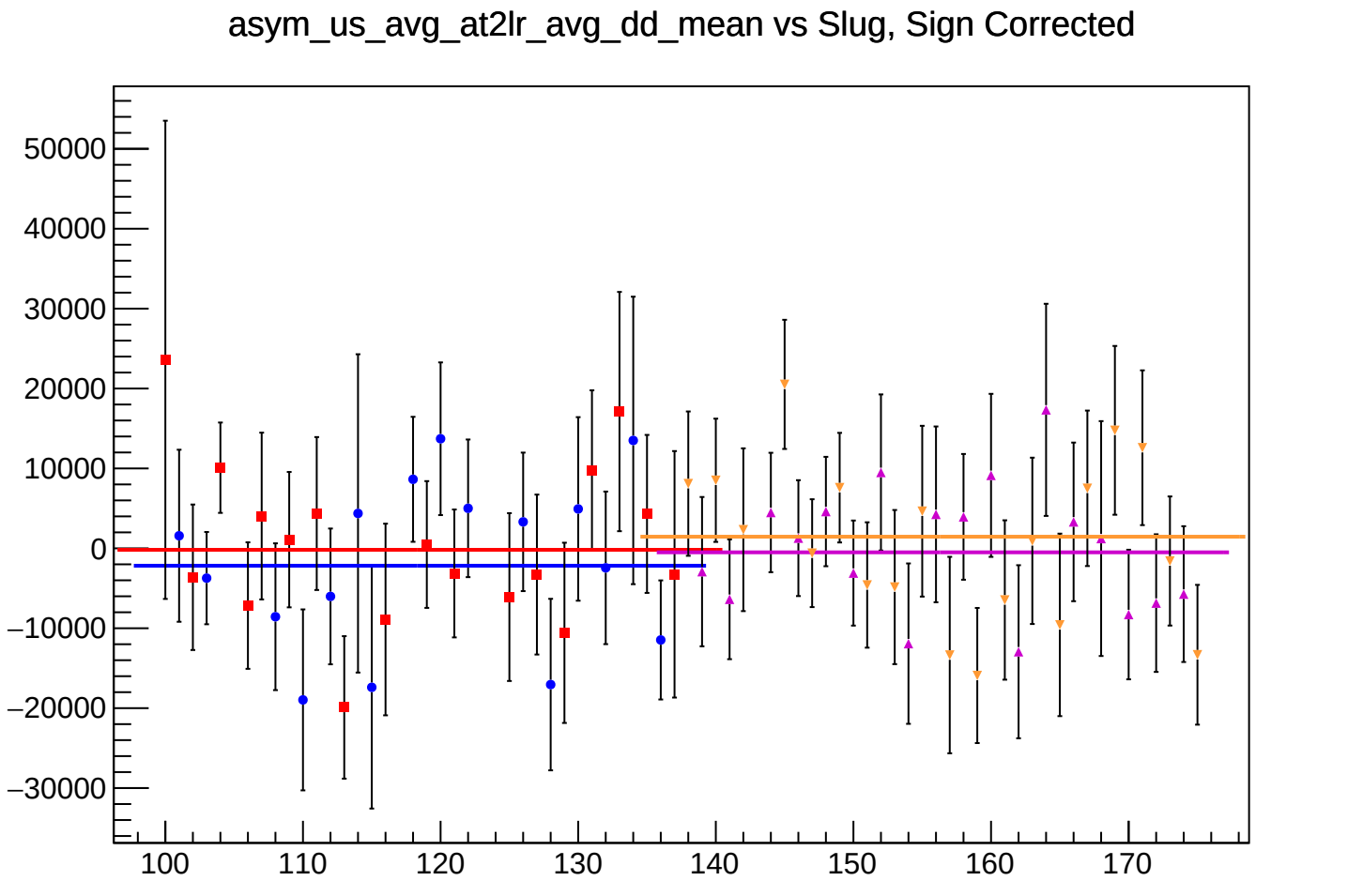
Left: 7935.433+/-1.046 χ^2/NDF: 1740913.9/36

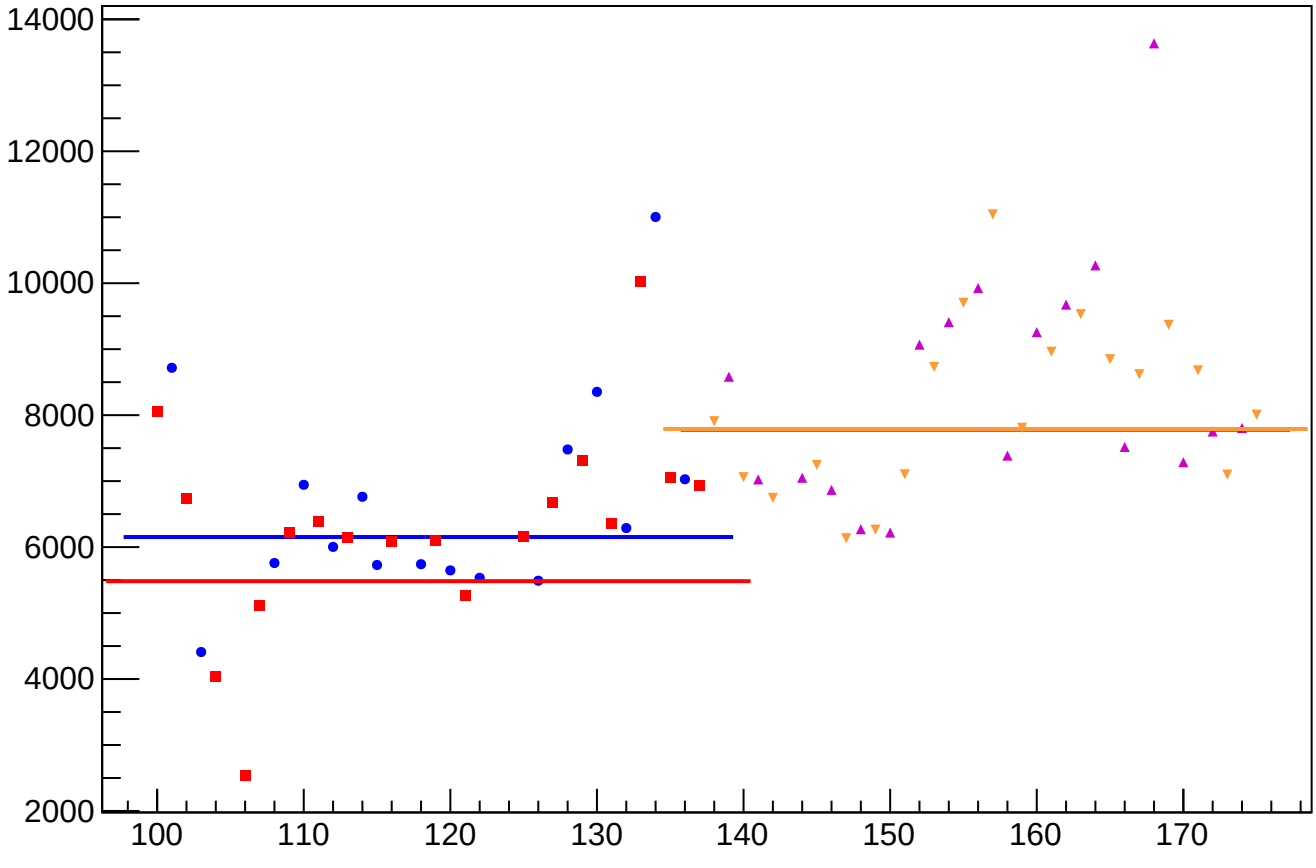
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7109.649+/-1.100 χ^2/NDF:2152441.4/33

Out: 6662.396+/-1.037 χ^2/NDF:3046007.7/36

All: 6872.847+/-0.755 χ^2/NDF: 5285967.4/70


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1456.919+/-2044.893 χ²/NDF:22.5/18
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -499.365+/-2055.635 χ²/NDF:10.8/17
Left: 483.902+/-1449.741 χ²/NDF: 33.7/36
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1226.127+/-1546.556 χ²/NDF:25.6/33
Out: 707.174+/-1506.812 χ²/NDF:37.4/36
All: -234.316+/-1079.254 χ²/NDF: 63.9/70



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7790.392+/-1.446 χ^2/NDF:698965.7/18

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7778.474+/-1.454 χ^2/NDF:964329.1/17

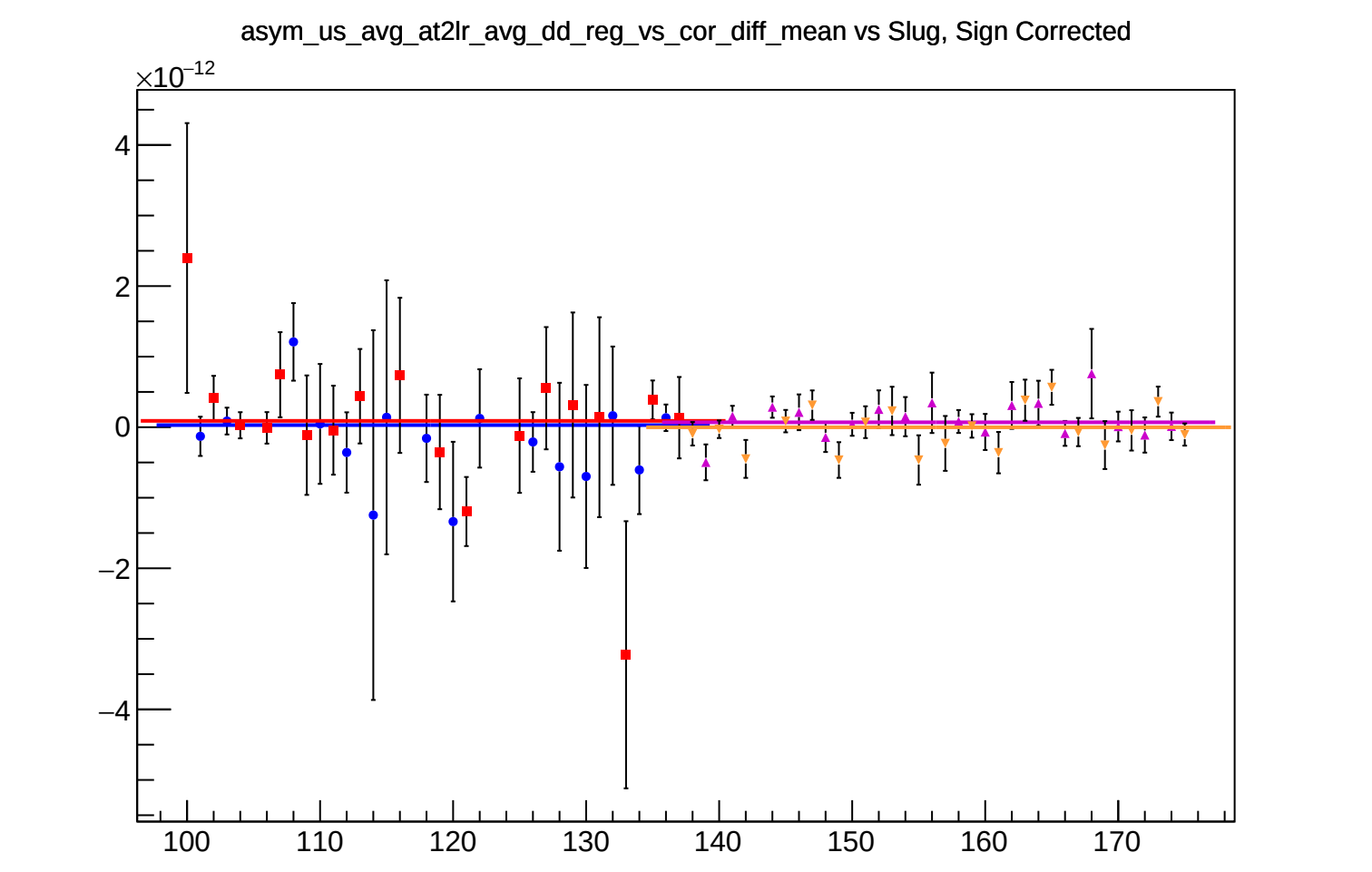
Left: 7784.464+/-1.025 χ^2/NDF: 1663328.6/36

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7072.927+/-1.094 χ^2/NDF:2131263.6/33

Out: 6694.013+/-1.047 χ^2/NDF:3057461.5/36

All: 6875.313+/-0.756 χ^2/NDF: 5251337.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

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

Left: 0.000+/-0.000 χ^2/NDF: 39.1/36

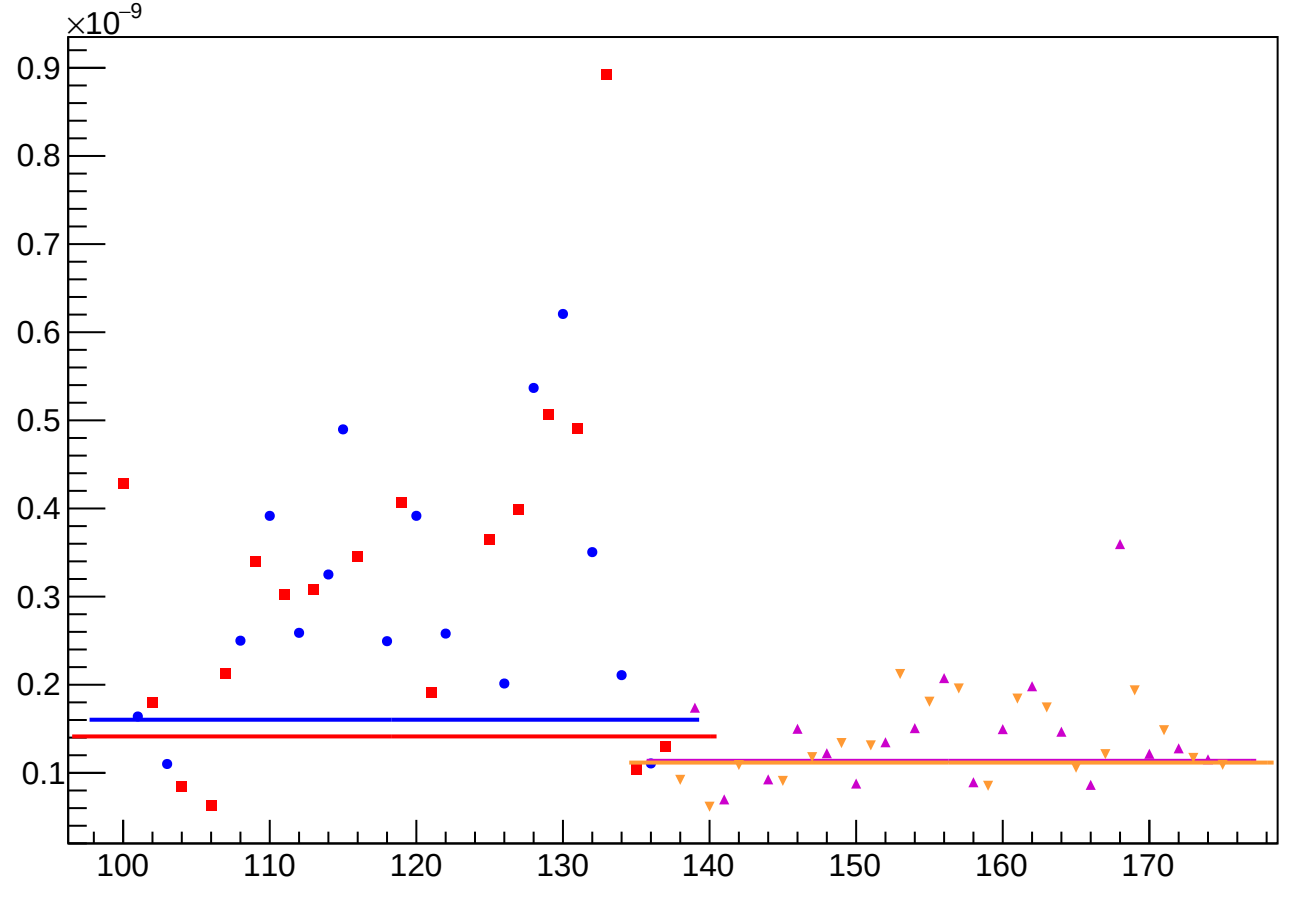
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.6/33

Out: 0.000+/-0.000 χ^2/NDF:41.3/36

All: 0.000+/-0.000 χ^2/NDF: 65.4/70

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181605.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1159577.1/17

Left: 0.000+/-0.000 χ^2/NDF: 2342781.6/36

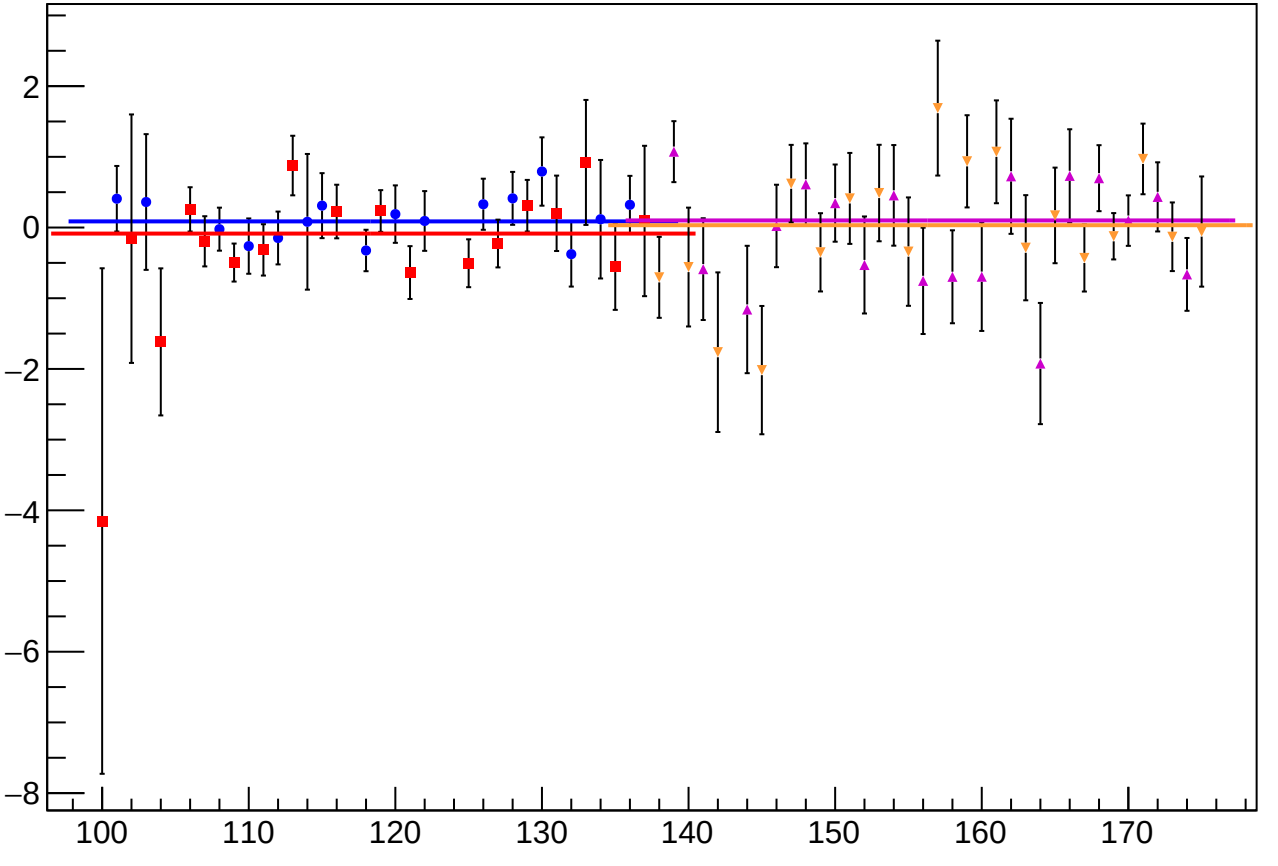
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2814927.8/33

Out: 0.000+/-0.000 χ^2/NDF:3484049.3/36

All: 0.000+/-0.000 χ^2/NDF: 6314439.5/70

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.100+/-0.137 χ^2/NDF:25.3/17

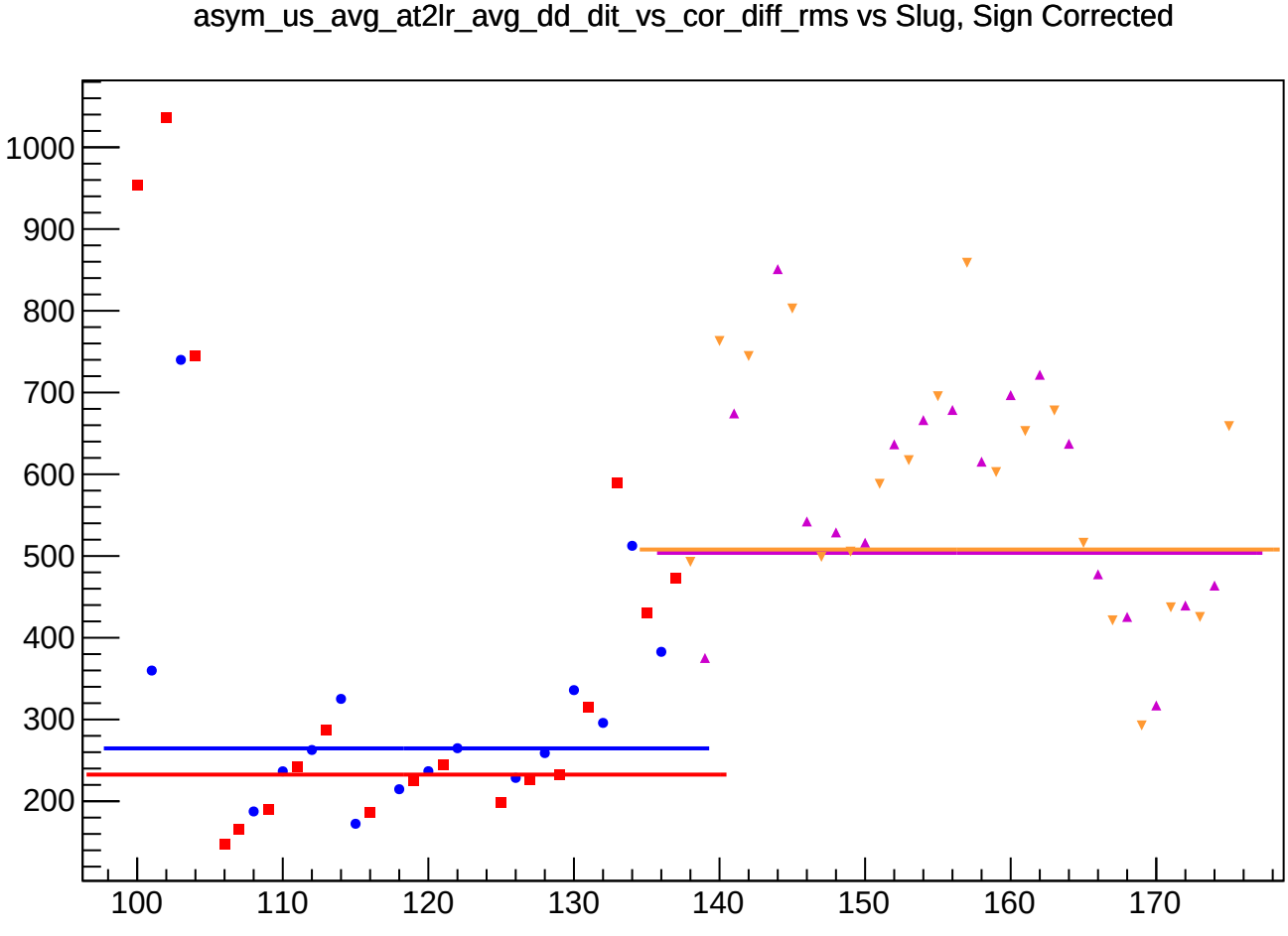
Left: 0.067+/-0.097 χ^2/NDF: 49.8/36

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.020+/-0.058 χ^2/NDF: 82.3/70



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286558.6/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 503.842+/-0.097 χ^2/NDF:1916771.9/17

Left: 505.877+/-0.069 χ^2/NDF: 4204220.3/36

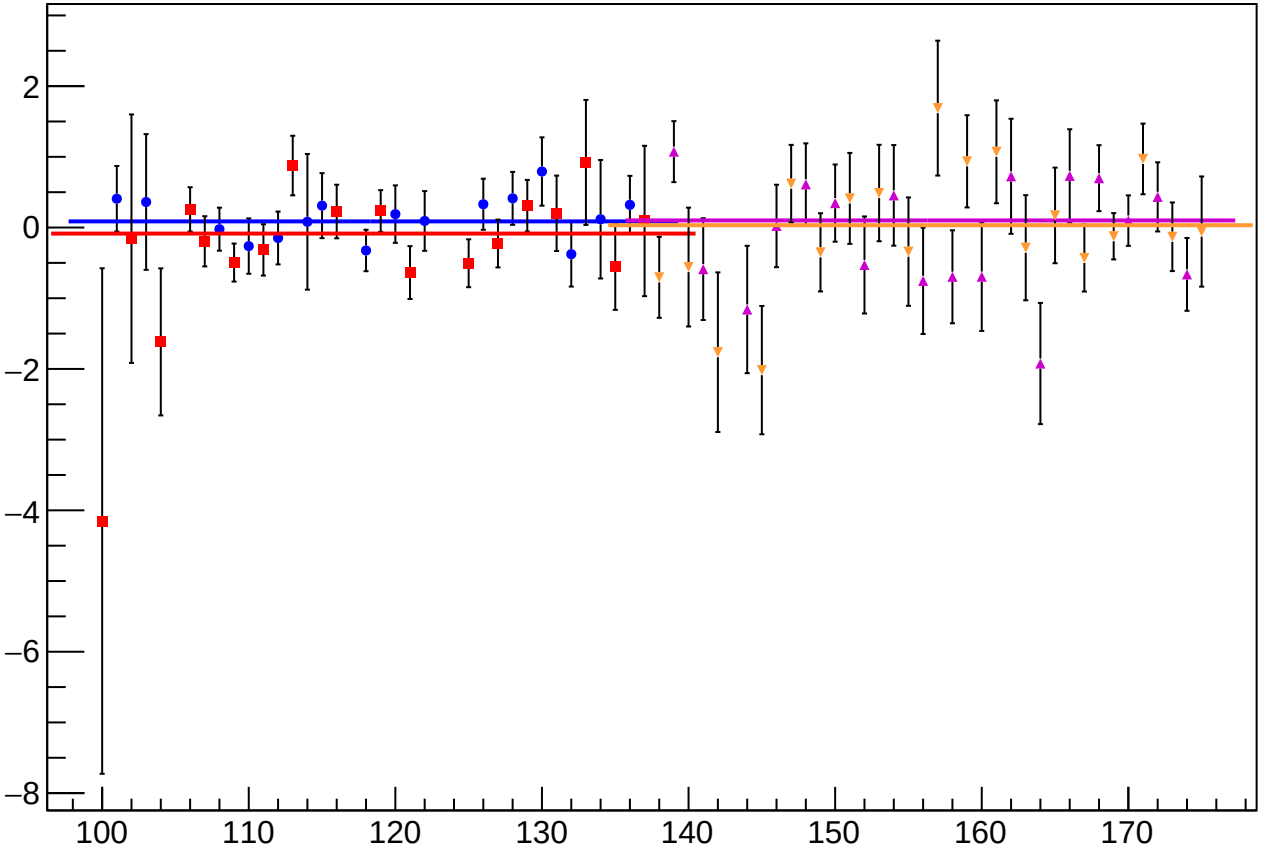
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 353.225+/-0.059 χ^2/NDF:7037390.2/33

Out: 323.821+/-0.056 χ^2/NDF:9621682.3/36

All: 337.839+/-0.041 χ^2/NDF: 16789196.5/70

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.100+/-0.137 χ^2/NDF:25.3/17

Left: 0.067+/-0.097 χ^2/NDF: 49.8/36

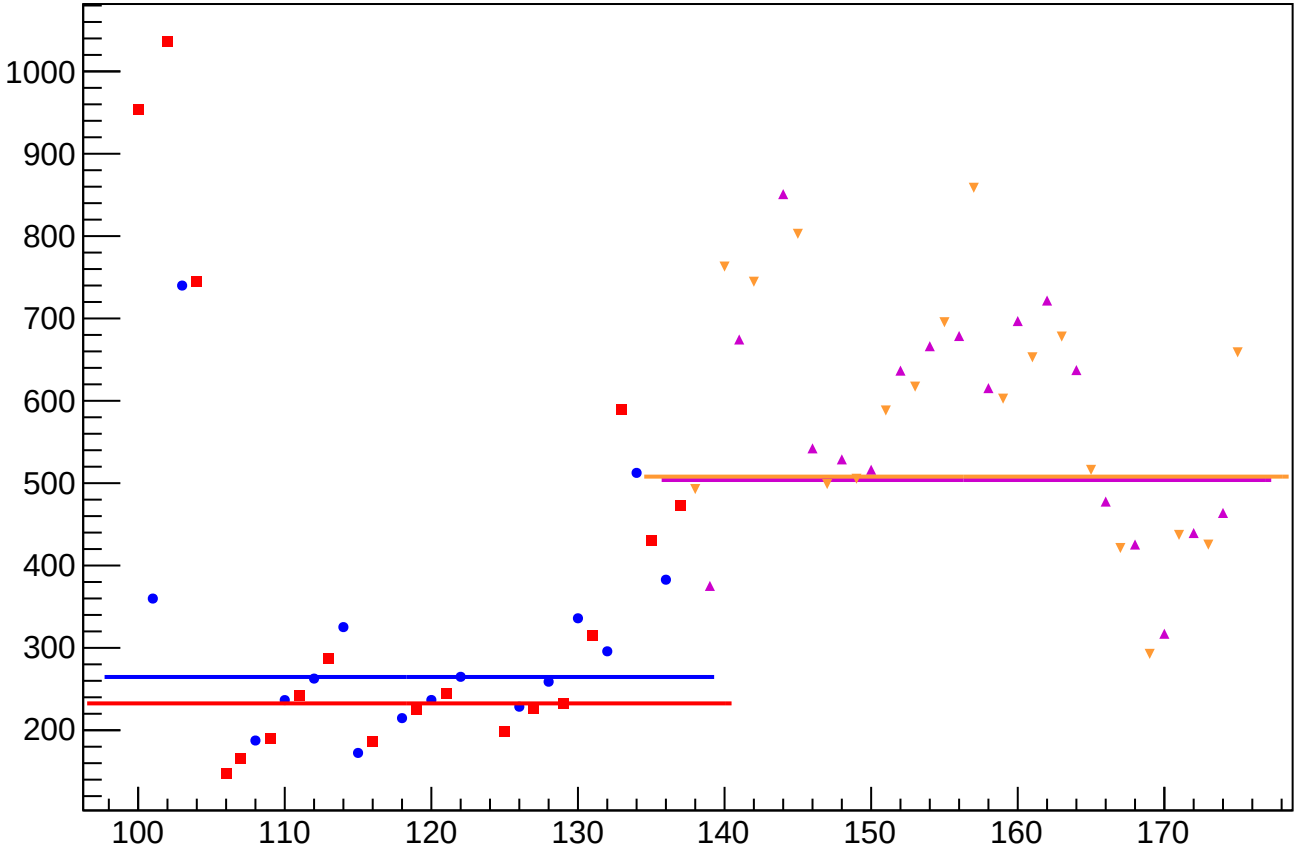
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.020+/-0.058 χ^2/NDF: 82.3/70

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286558.6/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 503.842+/-0.097 χ^2/NDF:1916771.9/17

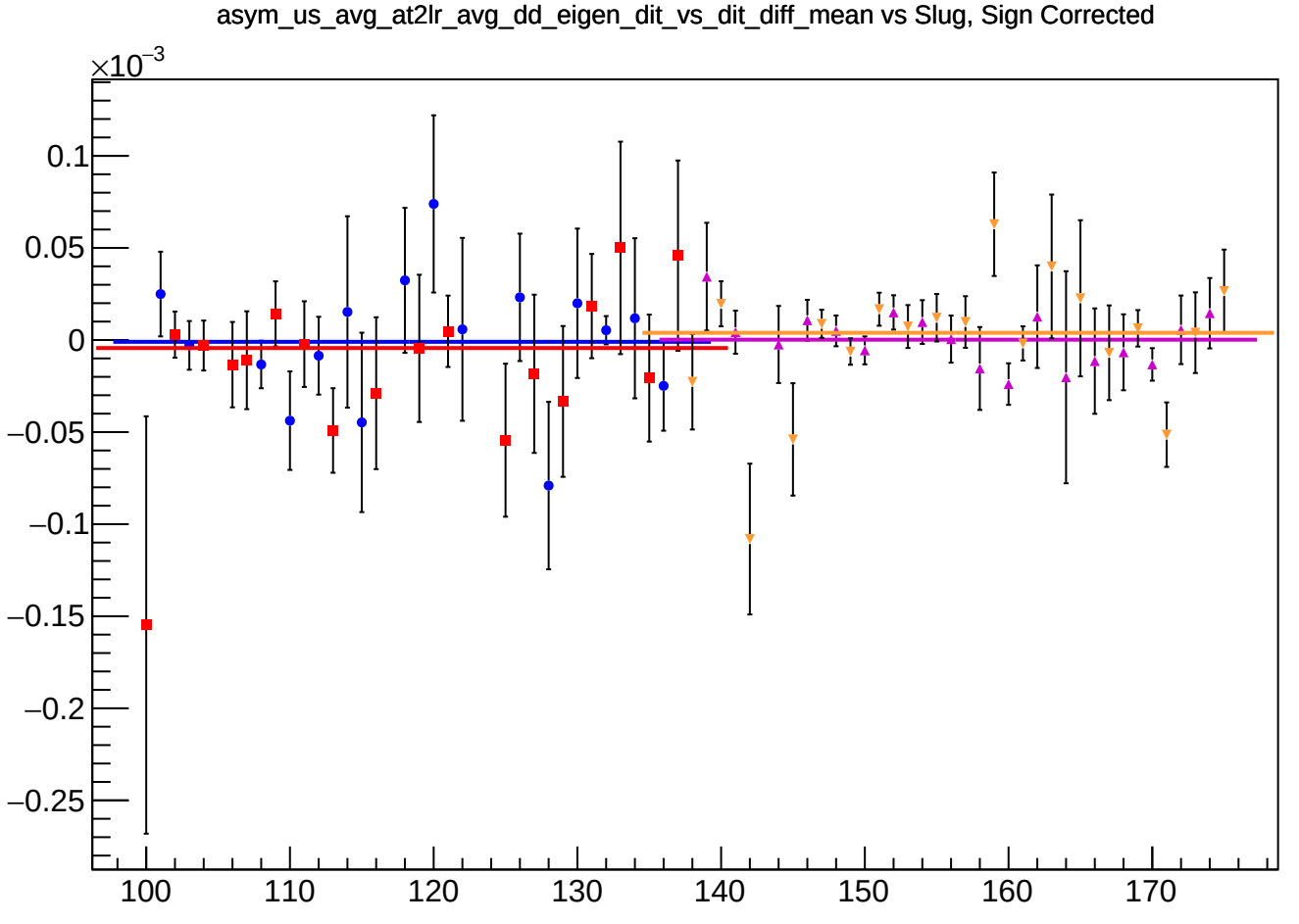
Left: 505.877+/-0.069 χ^2/NDF: 4204220.3/36

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 353.225+/-0.059 χ^2/NDF:7037390.2/33

Out: 323.821+/-0.056 χ^2/NDF:9621682.3/36

All: 337.839+/-0.041 χ^2/NDF: 16789196.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.1/17

Left: 0.000+/-0.000 χ^2/NDF: 51.9/36

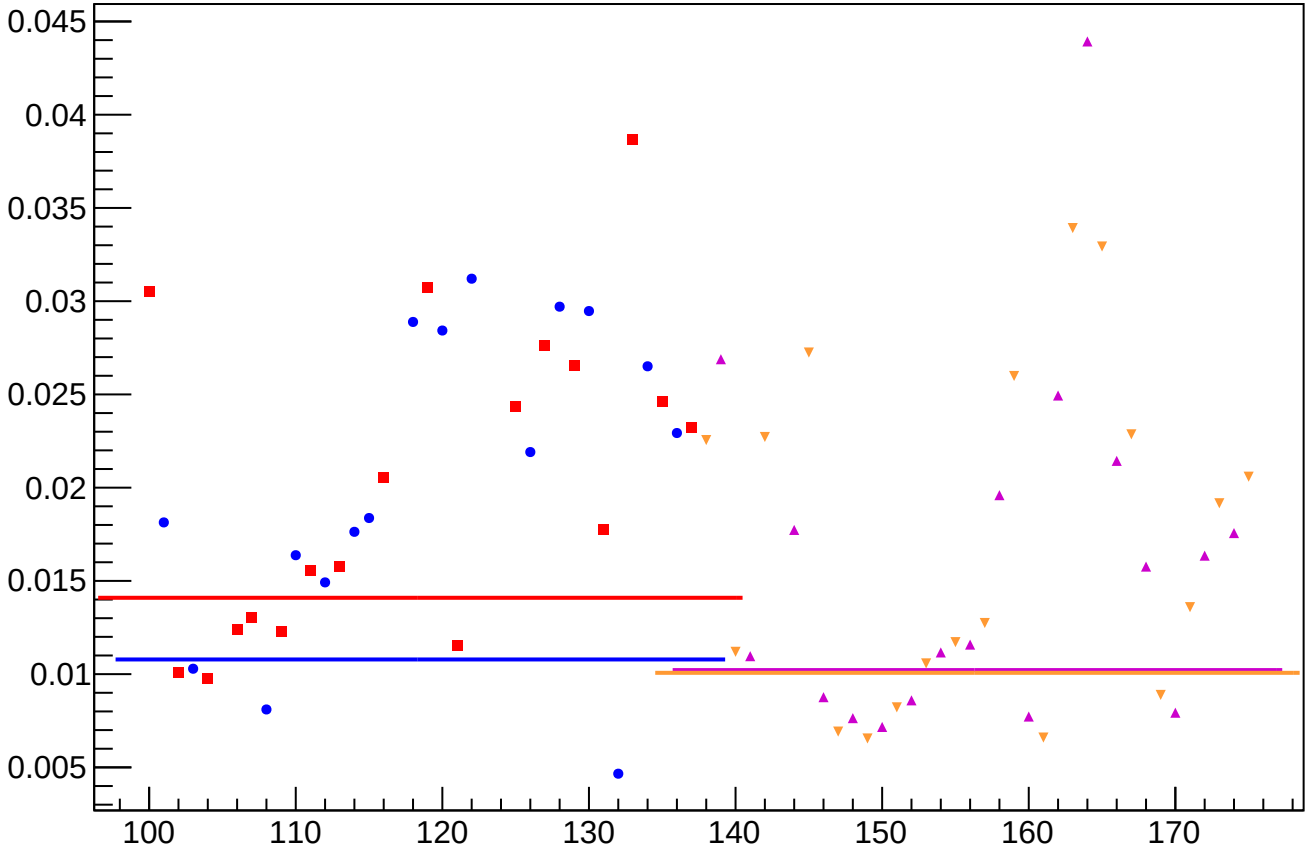
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:29.5/33

Out: 0.000+/-0.000 χ^2/NDF:50.2/36

All: 0.000+/-0.000 χ^2/NDF: 80.1/70

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:5961242.8/18

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:4347774.5/17

Left: 0.010+/-0.000 χ^2/NDF: 10311379.5/36

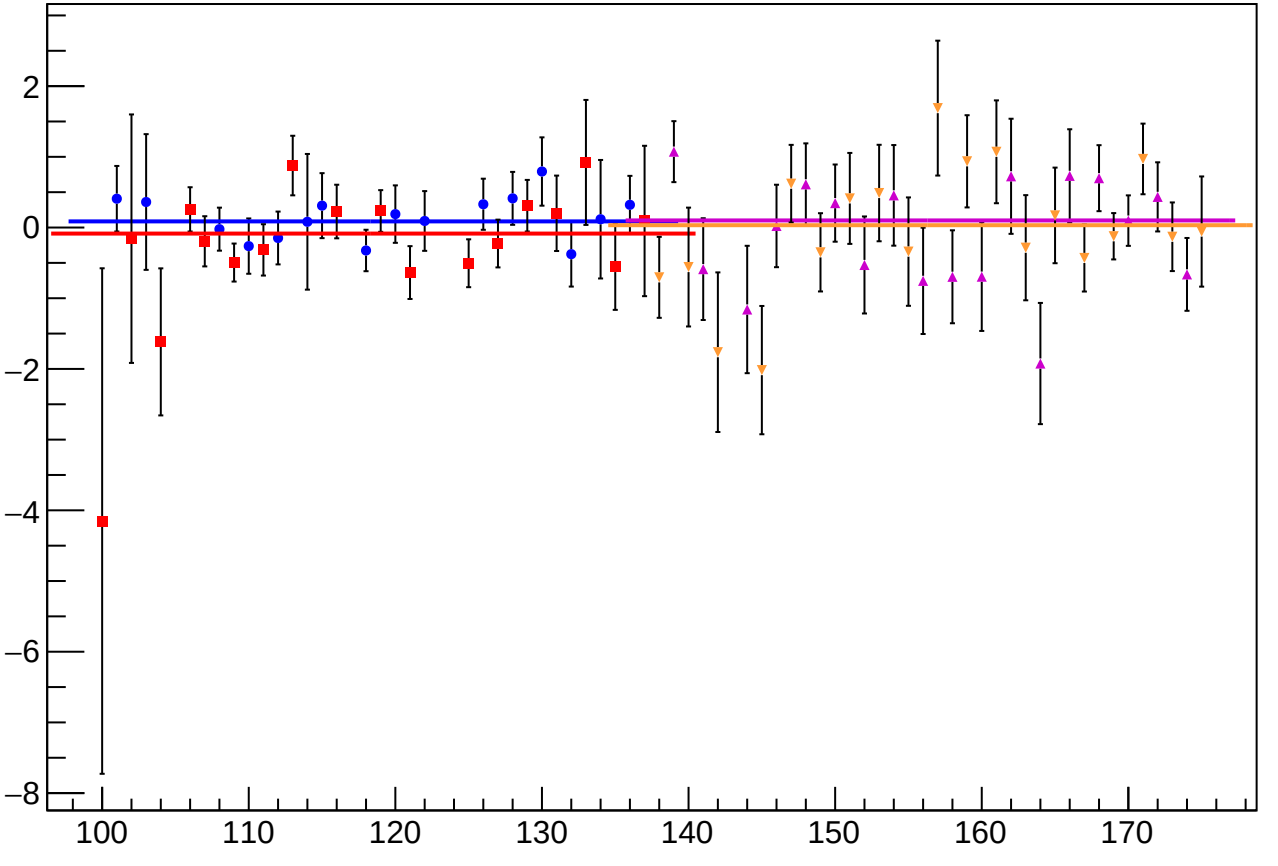
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8947008.8/33

Out: 0.011+/-0.000 χ^2/NDF:8819638.9/36

All: 0.011+/-0.000 χ^2/NDF: 17813367.1/70

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.101+/-0.137 χ^2/NDF:25.3/17

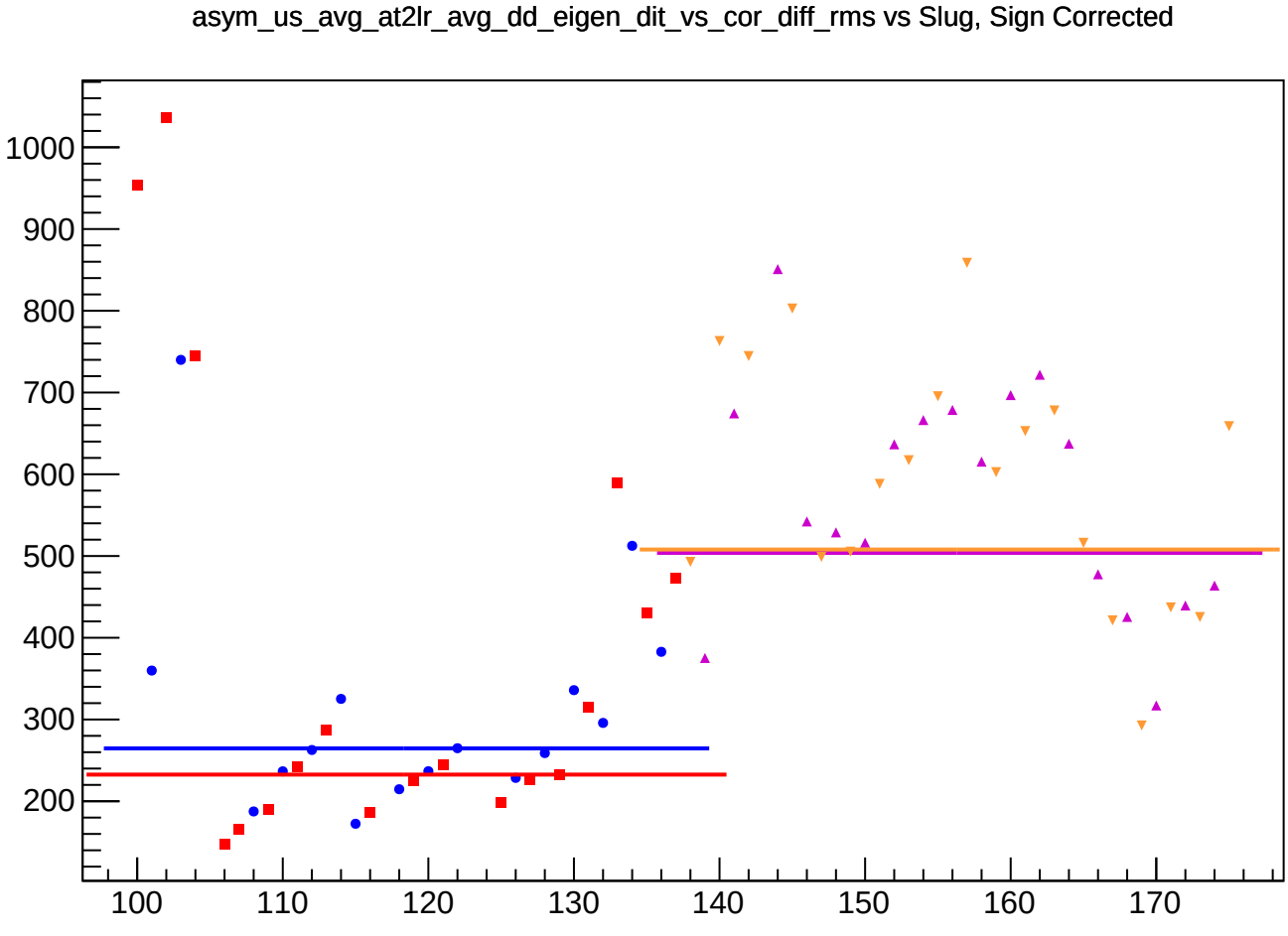
Left: 0.067+/-0.097 χ^2/NDF: 49.8/36

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.020+/-0.058 χ^2/NDF: 82.3/70



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286684.0/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 503.845+/-0.097 χ^2/NDF:1916820.9/17

Left: 505.878+/-0.069 χ^2/NDF: 4204393.6/36

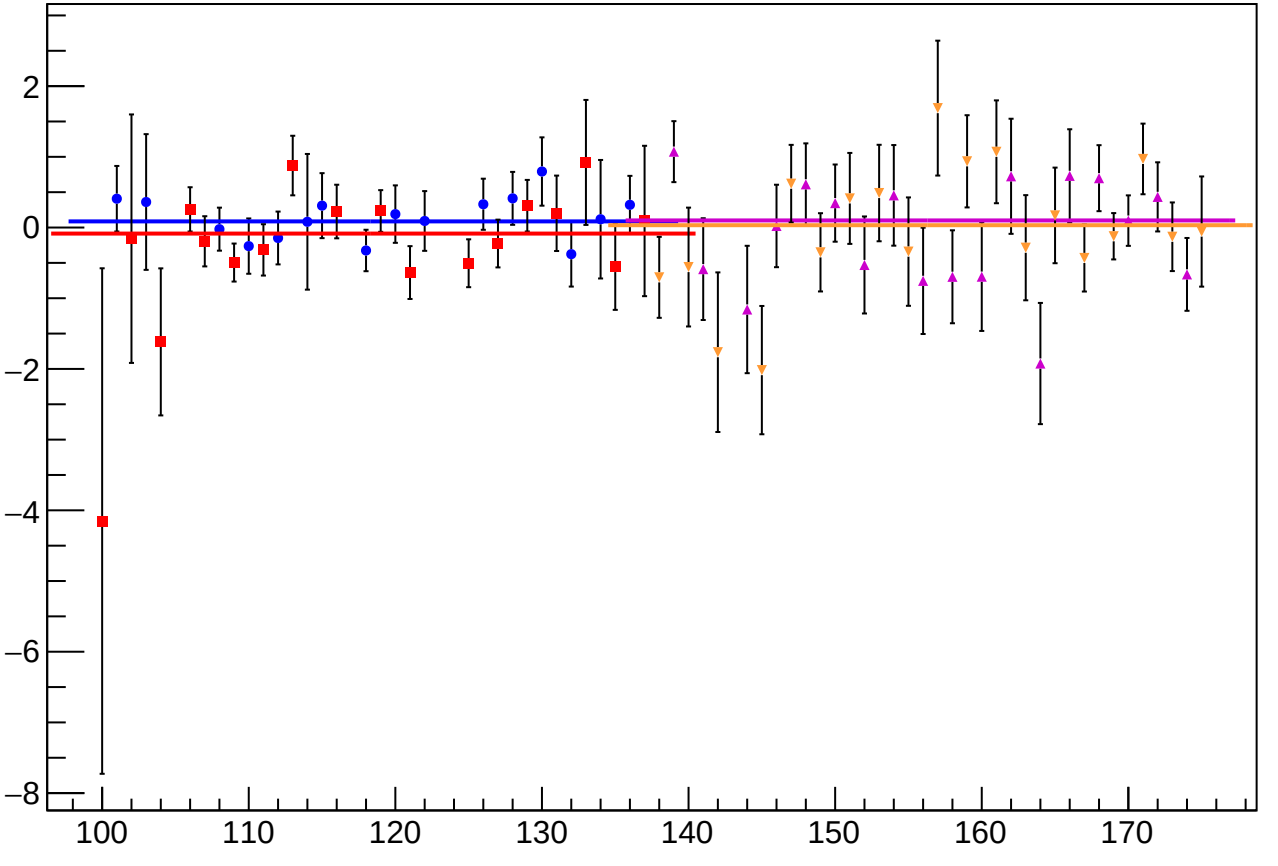
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 353.225+/-0.059 χ^2/NDF:7037480.8/33

Out: 323.821+/-0.056 χ^2/NDF:9621757.6/36

All: 337.840+/-0.041 χ^2/NDF: 16789358.0/70

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.101+/-0.137 χ^2/NDF:25.3/17

Left: 0.067+/-0.097 χ^2/NDF: 49.8/36

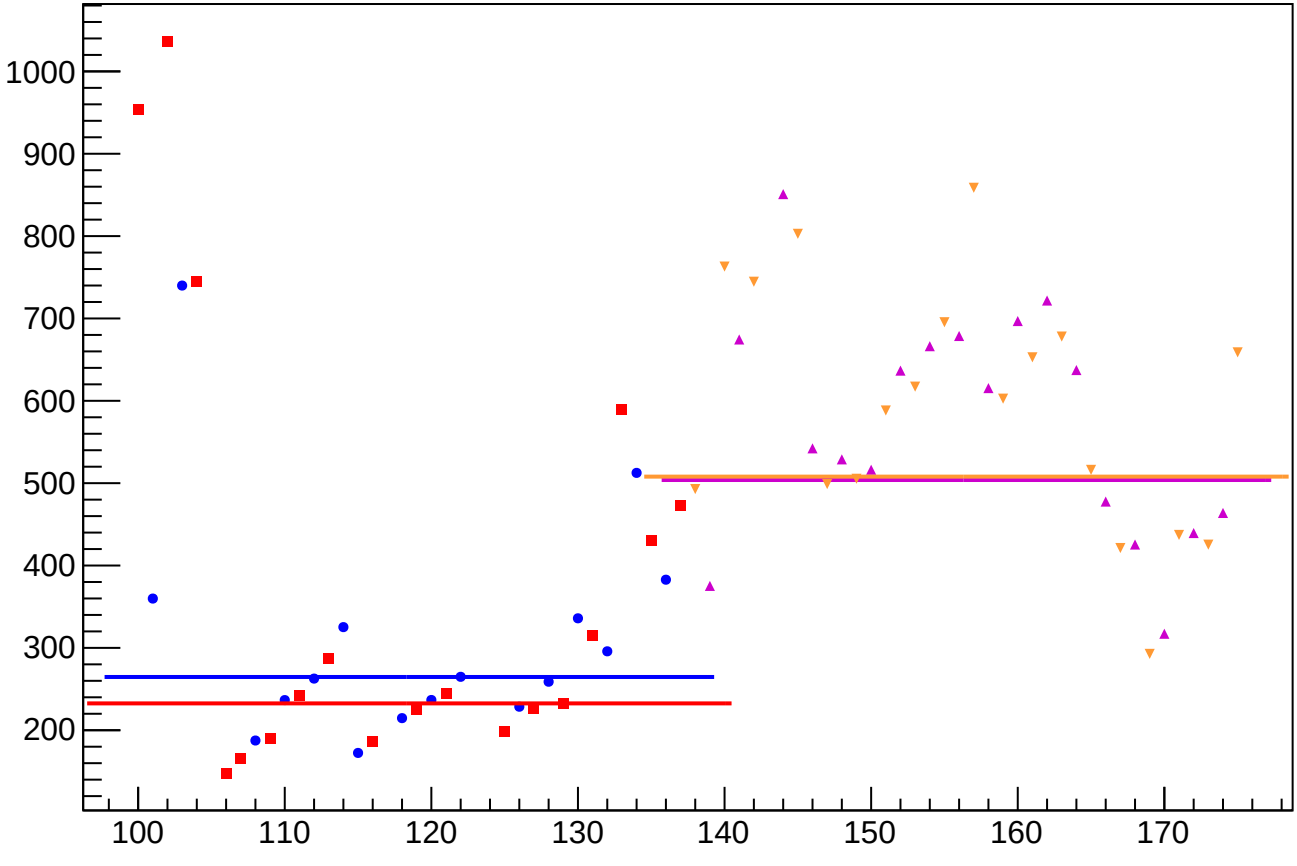
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.020+/-0.058 χ^2/NDF: 82.3/70

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286684.0/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 503.845+/-0.097 χ^2/NDF:1916820.9/17

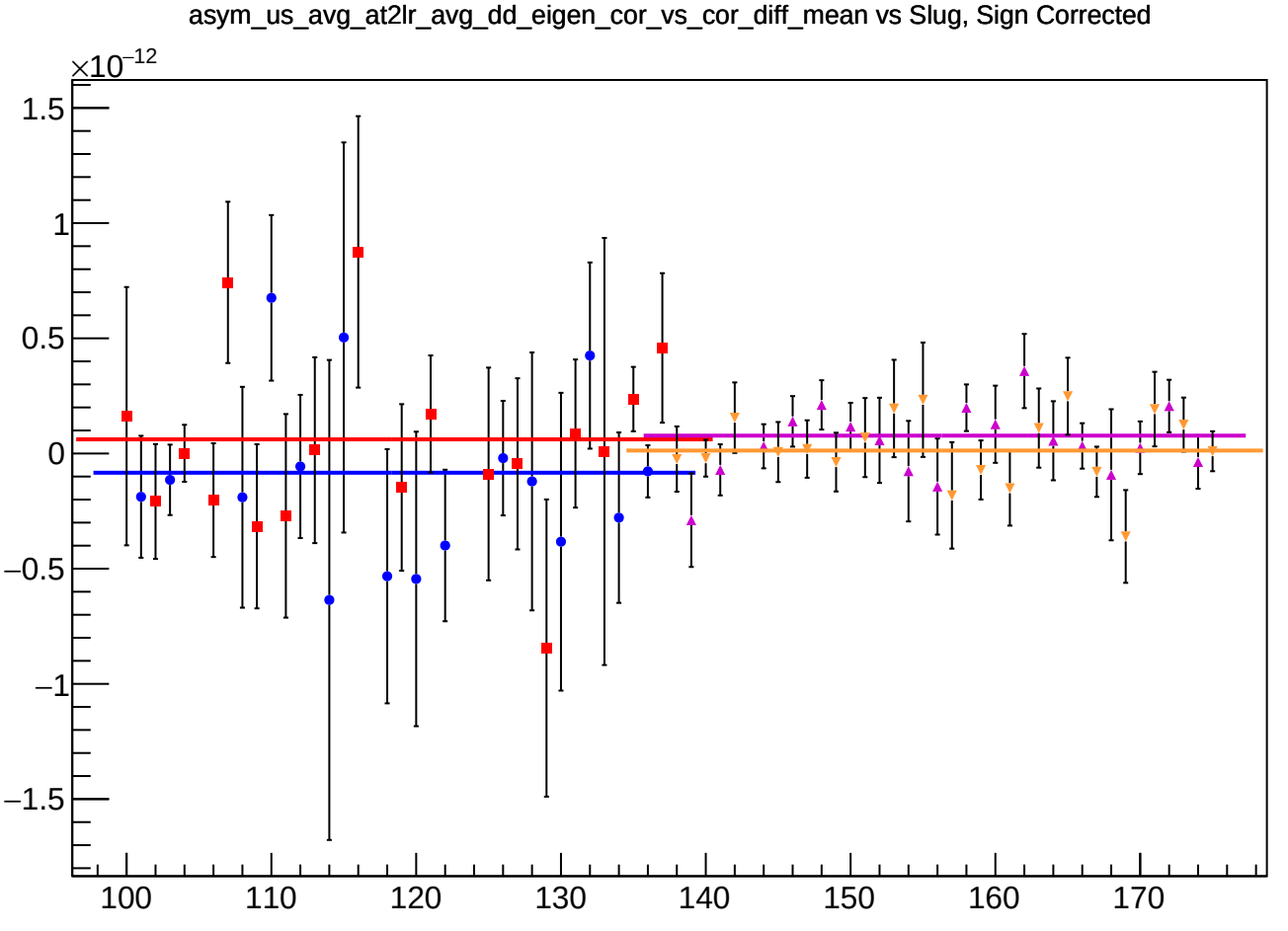
Left: 505.878+/-0.069 χ^2/NDF: 4204393.6/36

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 353.225+/-0.059 χ^2/NDF:7037480.8/33

Out: 323.821+/-0.056 χ^2/NDF:9621757.6/36

All: 337.840+/-0.041 χ^2/NDF: 16789358.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.5/17

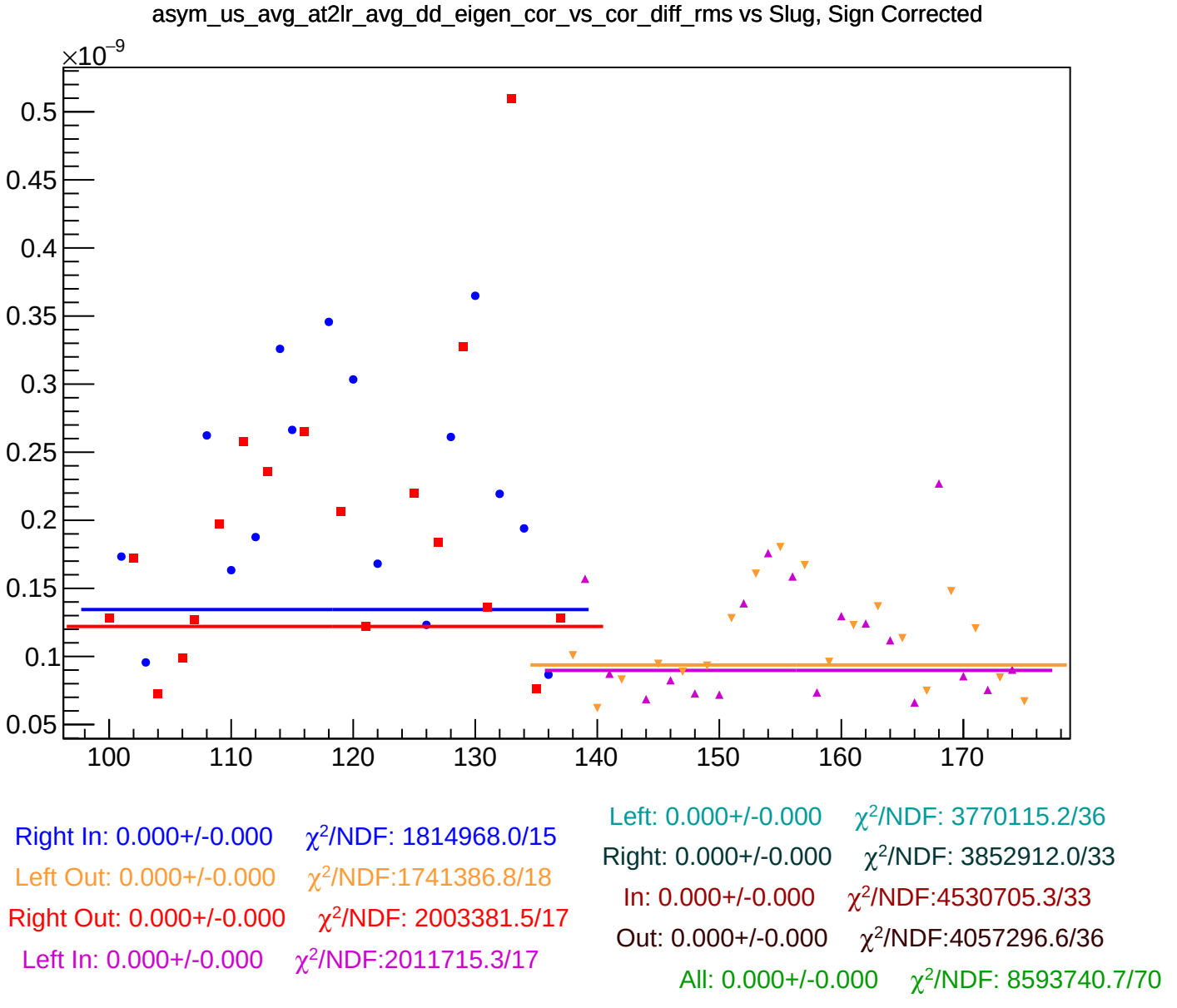
Left: 0.000+/-0.000 χ^2/NDF: 32.5/36

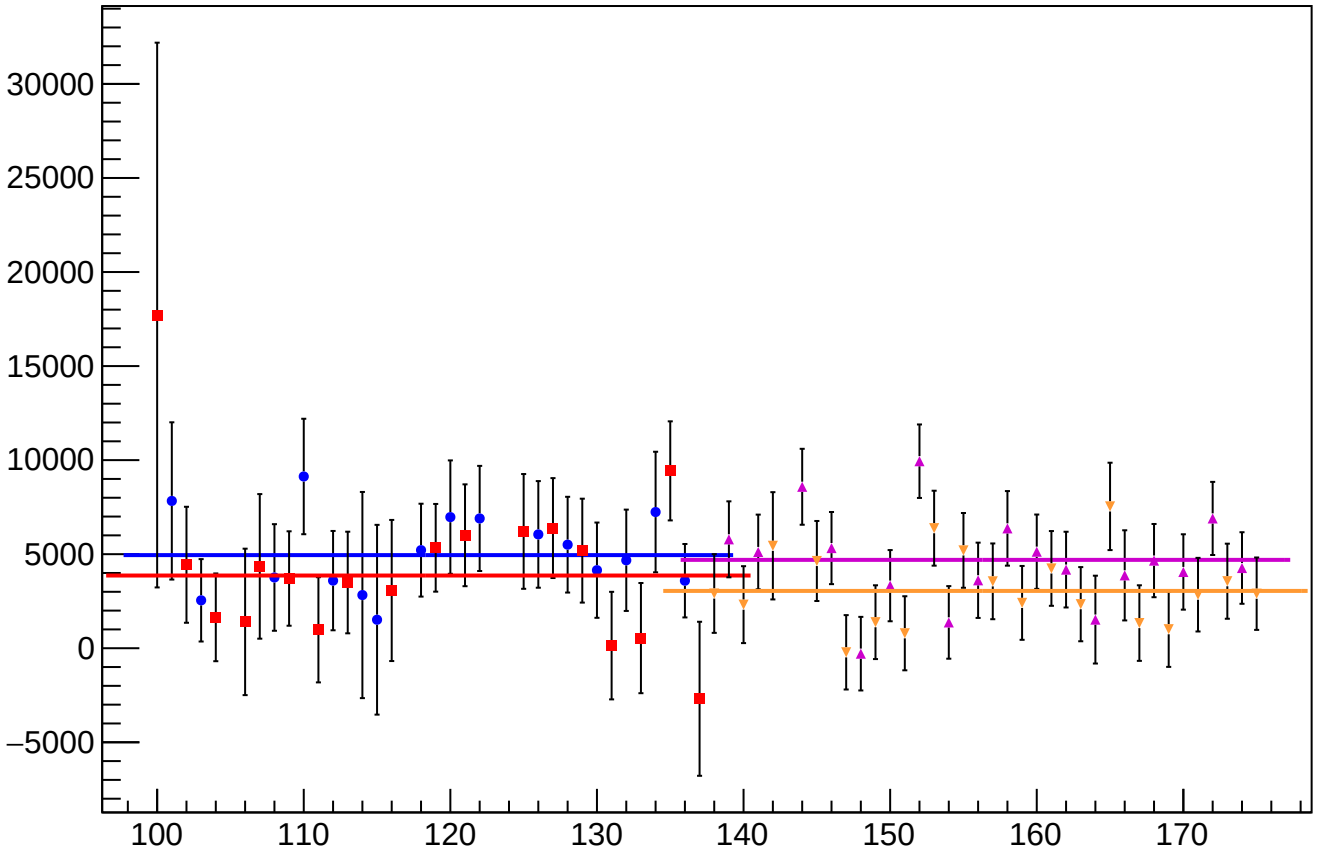
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:30.8/33

Out: 0.000+/-0.000 χ^2/NDF:29.9/36

All: 0.000+/-0.000 χ^2/NDF: 61.3/70


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1741386.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2011715.3/17
Left: 0.000+/-0.000 χ²/NDF: 3770115.2/36
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4530705.3/33
Out: 0.000+/-0.000 χ²/NDF:4057296.6/36
All: 0.000+/-0.000 χ²/NDF: 8593740.7/70



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.635+/-467.679 χ^2/NDF:16.4/18

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4697.362+/-471.074 χ^2/NDF:25.9/17

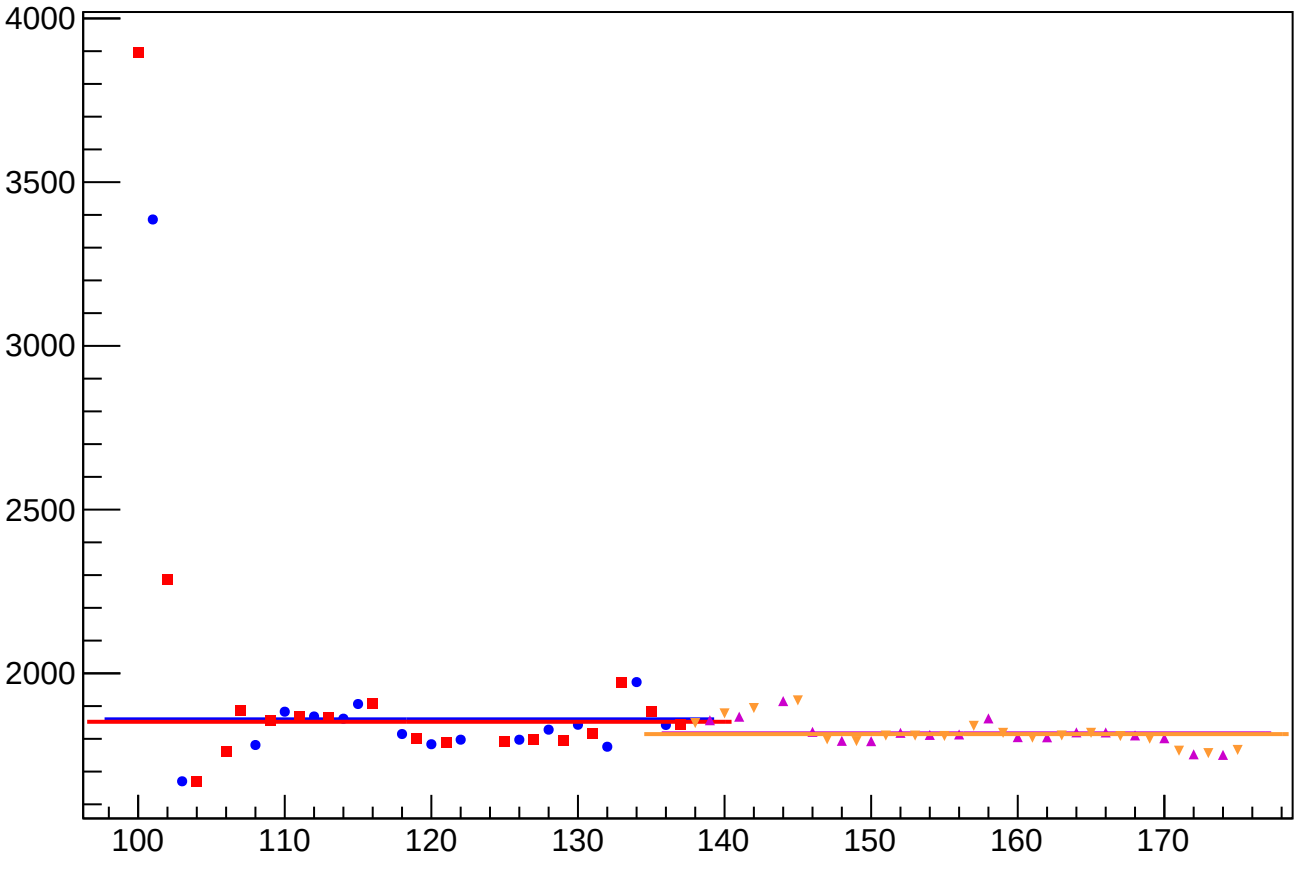
Left: 3866.030+/-331.893 χ^2/NDF: 48.4/36

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4776.377+/-390.632 χ^2/NDF:32.8/33

Out: 3301.357+/-388.145 χ^2/NDF:33.5/36

All: 4034.156+/-275.335 χ^2/NDF: 73.5/70



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

Left: 1815.619+/-0.235 χ^2/NDF: 27305.1/36

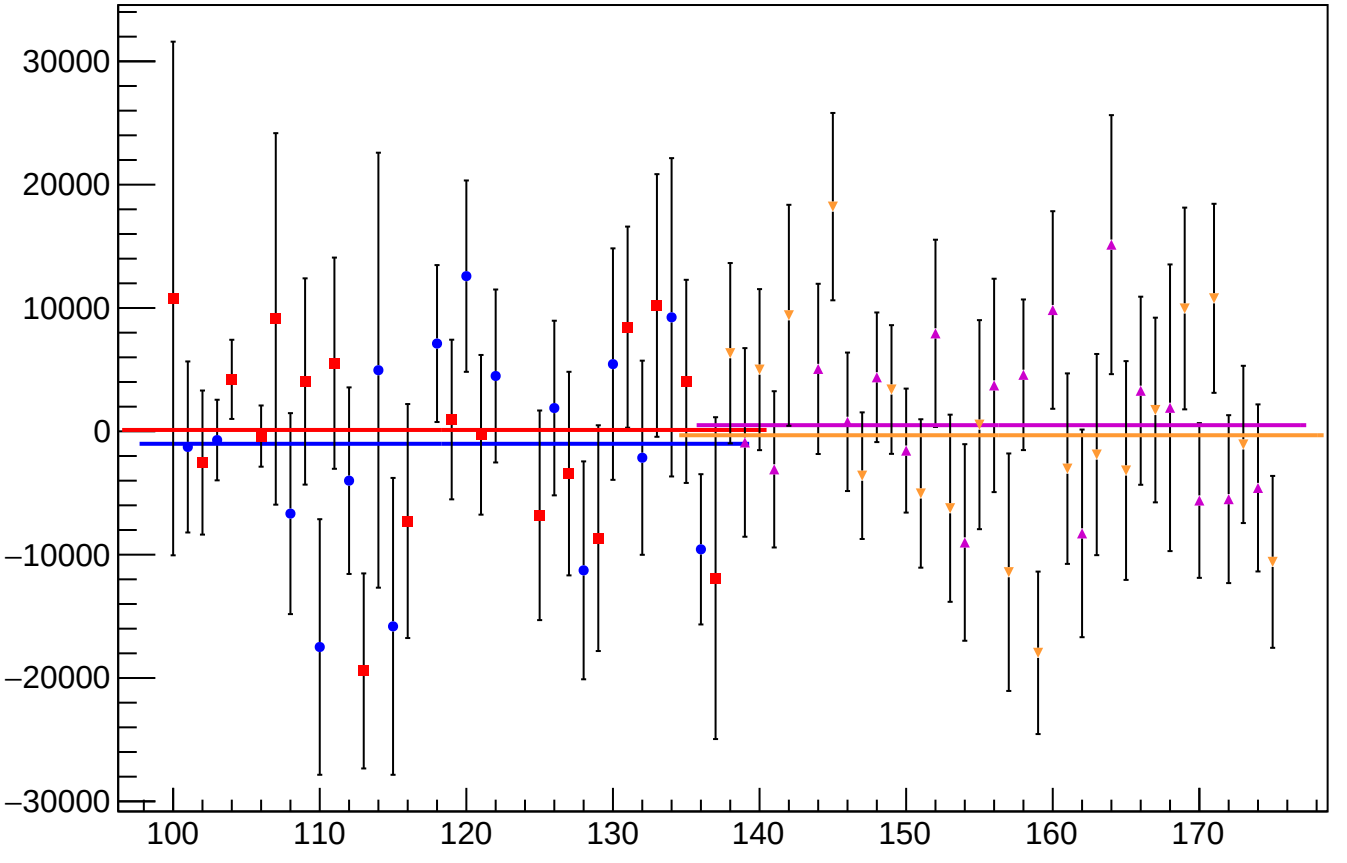
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1830.153+/-0.276 χ^2/NDF:310846.0/33

Out: 1826.196+/-0.274 χ^2/NDF:120157.2/36

All: 1828.160+/-0.195 χ^2/NDF: 431106.5/70

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -317.496+/-1624.545 χ^2/NDF:25.5/18

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 498.989+/-1630.869 χ^2/NDF:11.3/17

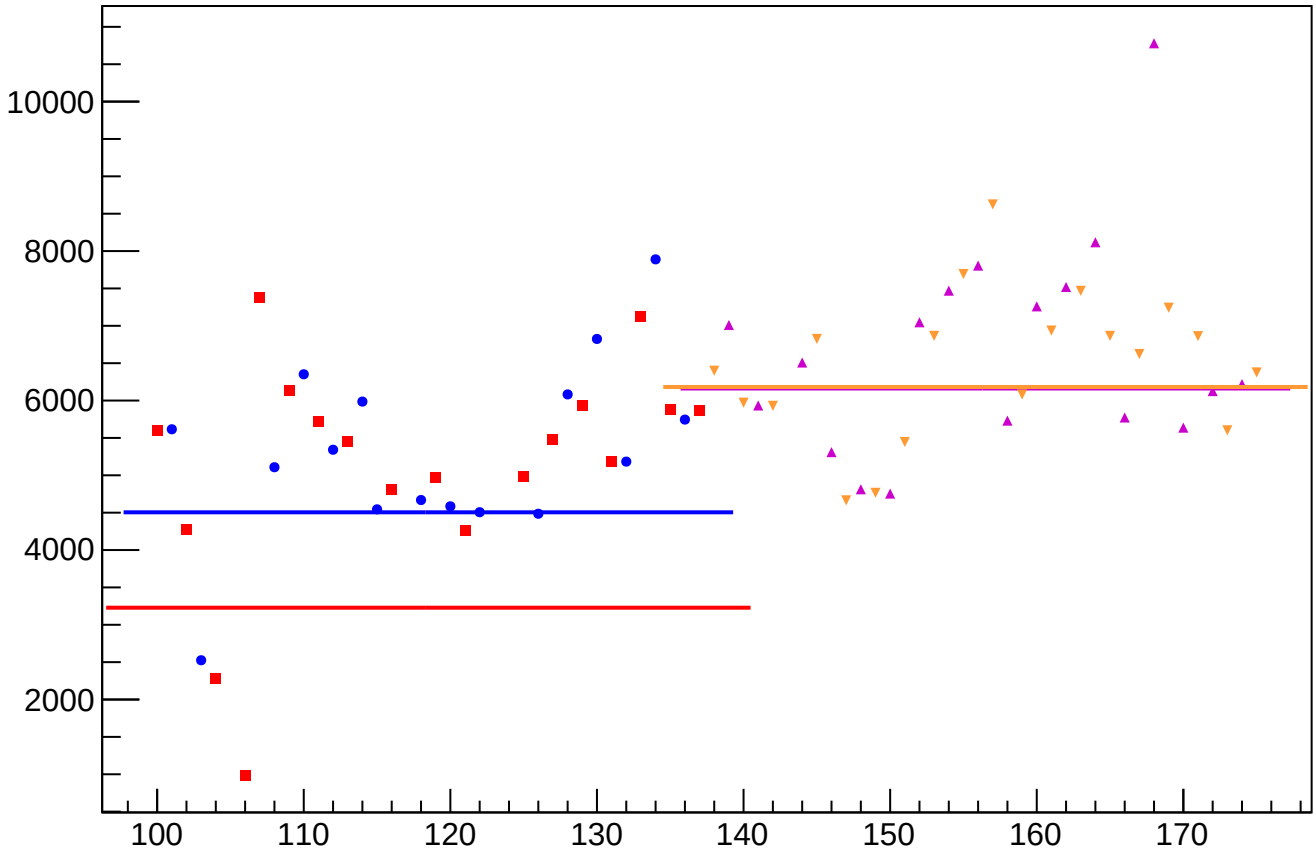
Left: 89.160+/-1150.956 χ^2/NDF: 36.9/36

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -196.477+/-1197.558 χ^2/NDF:26.4/33

Out: -77.173+/-1076.976 χ^2/NDF:40.2/36

All: -130.518+/-800.785 χ^2/NDF: 66.6/70



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6181.488+/-1.149 χ^2/NDF:735857.3/18

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6161.198+/-1.153 χ^2/NDF:1024247.8/17

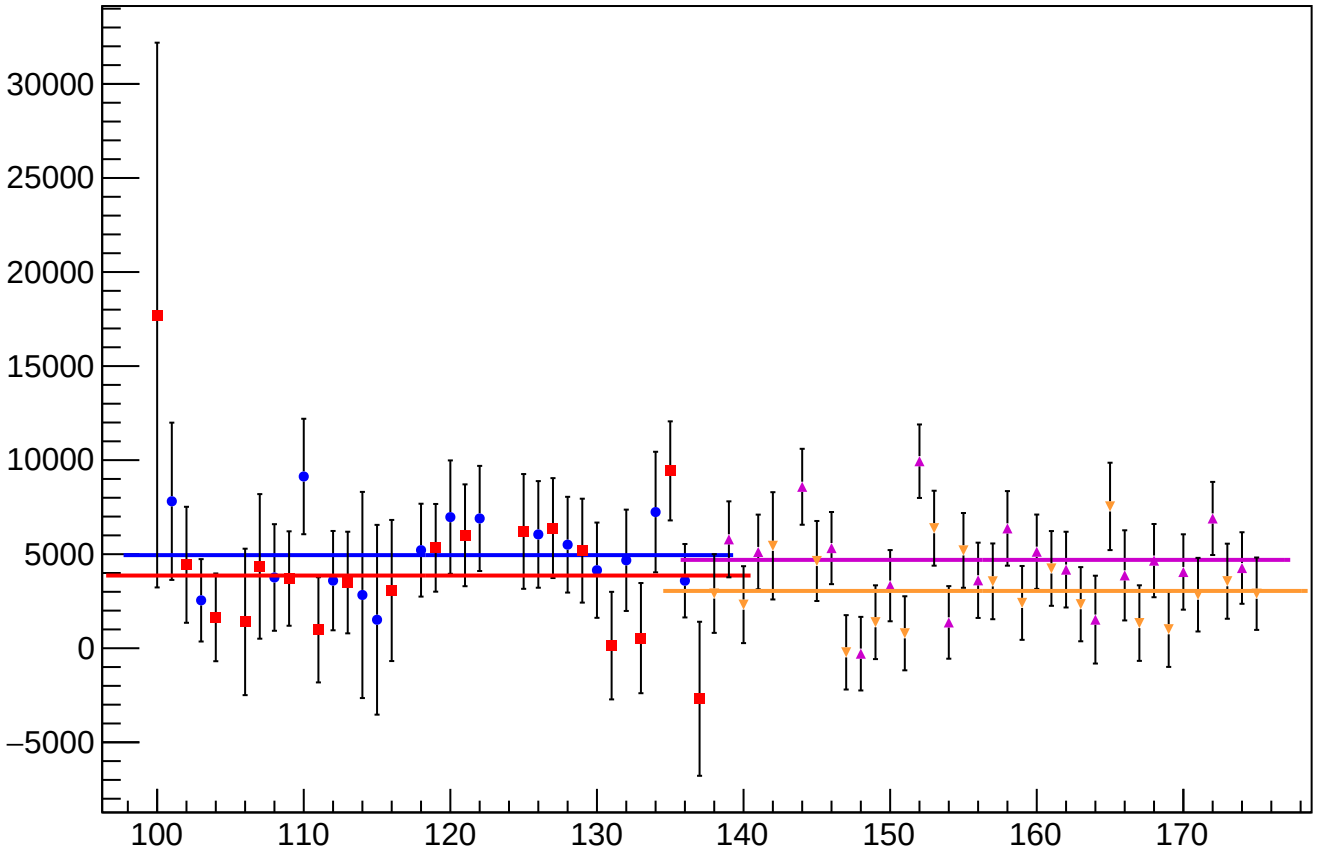
Left: 6171.383+/-0.814 χ^2/NDF: 1760260.4/36

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5397.934+/-0.847 χ^2/NDF:3296032.1/33

Out: 4526.367+/-0.762 χ^2/NDF:8396012.8/36

All: 4916.075+/-0.566 χ^2/NDF: 12277720.9/



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4697.406+/-471.074 χ^2/NDF:25.9/17

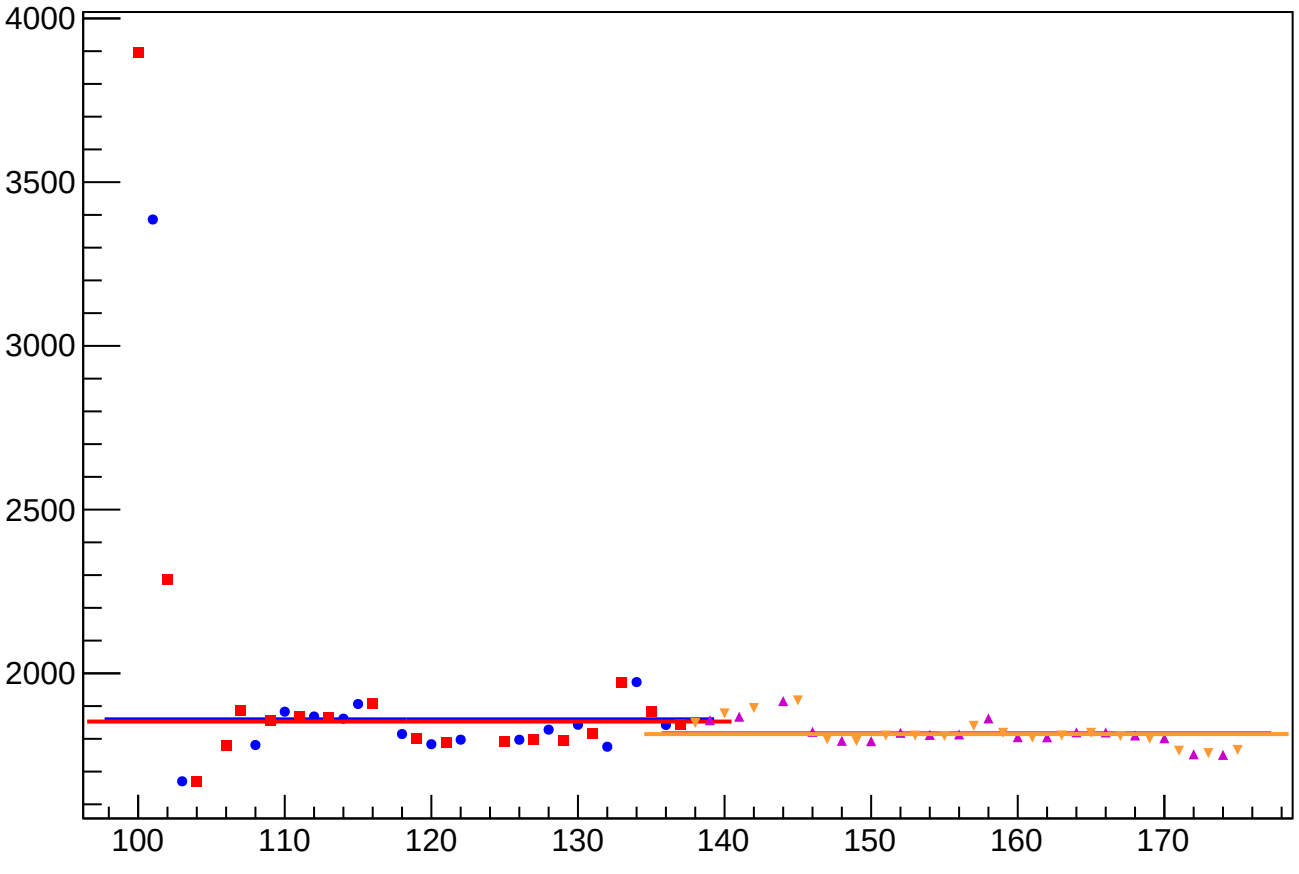
Left: 3866.019+/-331.893 χ^2/NDF: 48.4/36

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4776.257+/-390.632 χ^2/NDF:32.8/33

Out: 3301.246+/-388.145 χ^2/NDF:33.5/36

All: 4034.040+/-275.335 χ^2/NDF: 73.5/70



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

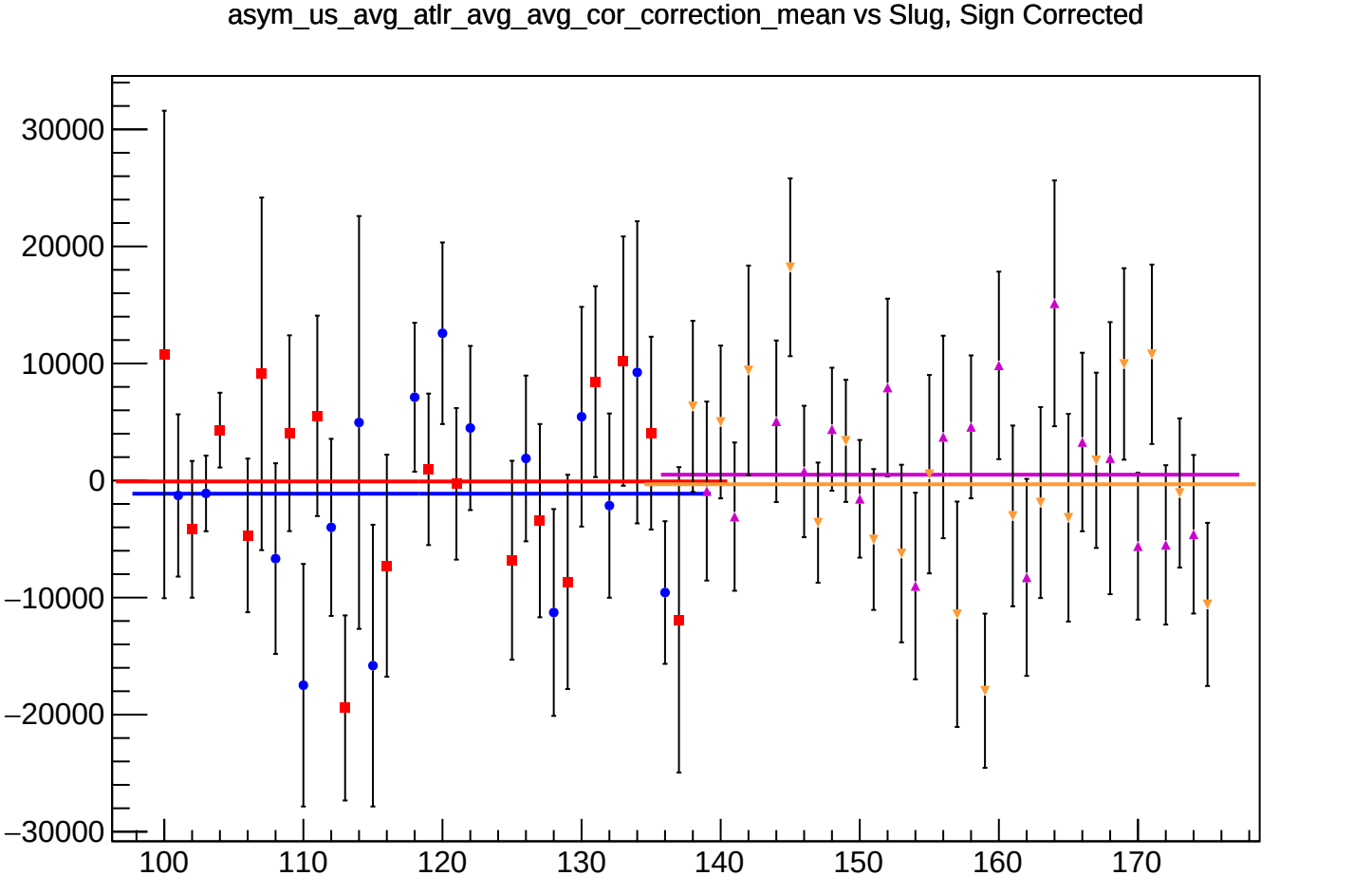
Left: 1815.619+/-0.235 χ^2/NDF: 27305.1/36

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1830.153+/-0.276 χ^2/NDF:310847.9/33

Out: 1826.411+/-0.274 χ^2/NDF:119846.4/36

All: 1828.269+/-0.195 χ^2/NDF: 430786.7/70



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -317.547+/-1624.544 χ^2/NDF:25.5/18

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 499.095+/-1630.870 χ^2/NDF:11.3/17

Left: 89.187+/-1150.956 χ^2/NDF: 36.9/36

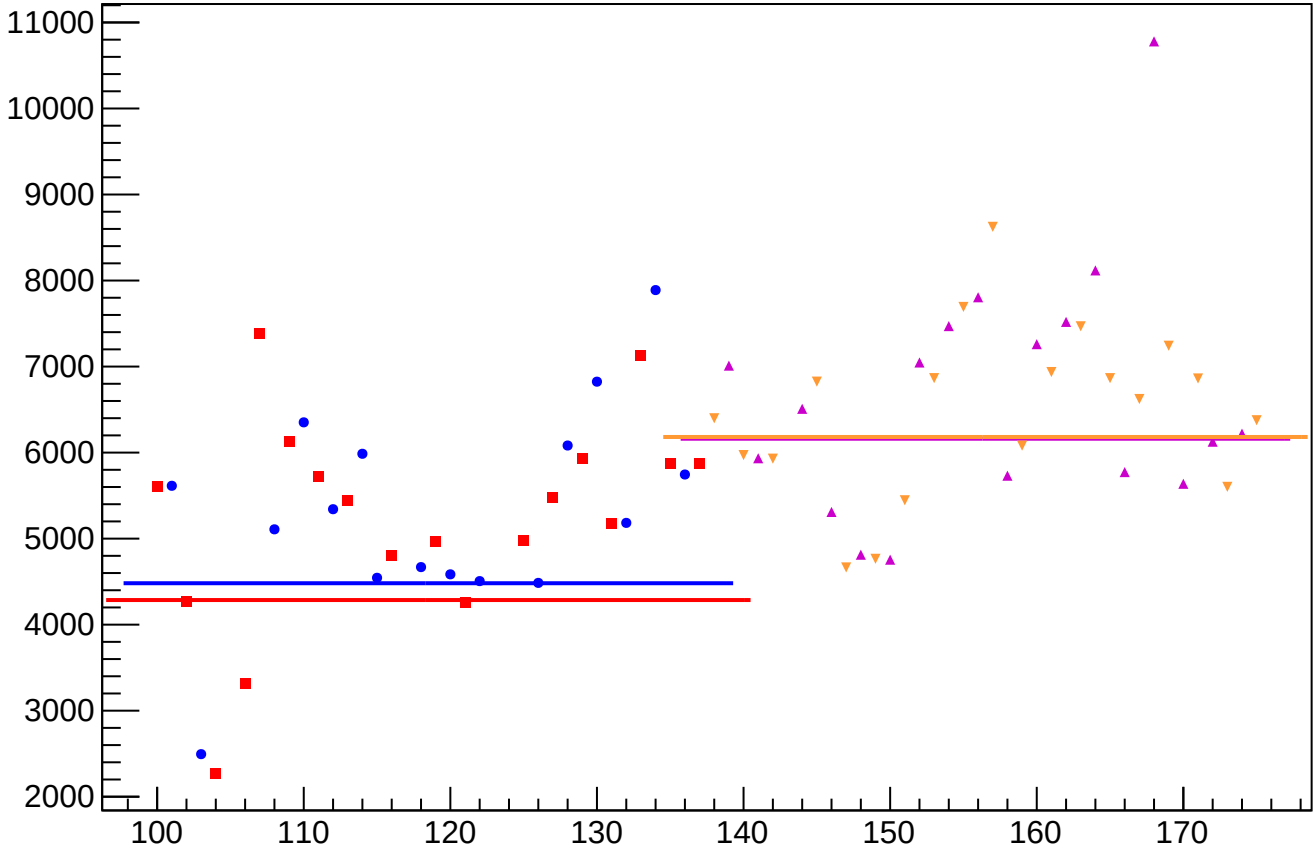
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -252.431+/-1195.580 χ^2/NDF:26.5/33

Out: -203.508+/-1175.301 χ^2/NDF:41.0/36

All: -227.551+/-838.141 χ^2/NDF: 67.5/70

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6181.483+/-1.149 χ^2/NDF:735863.1/18

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

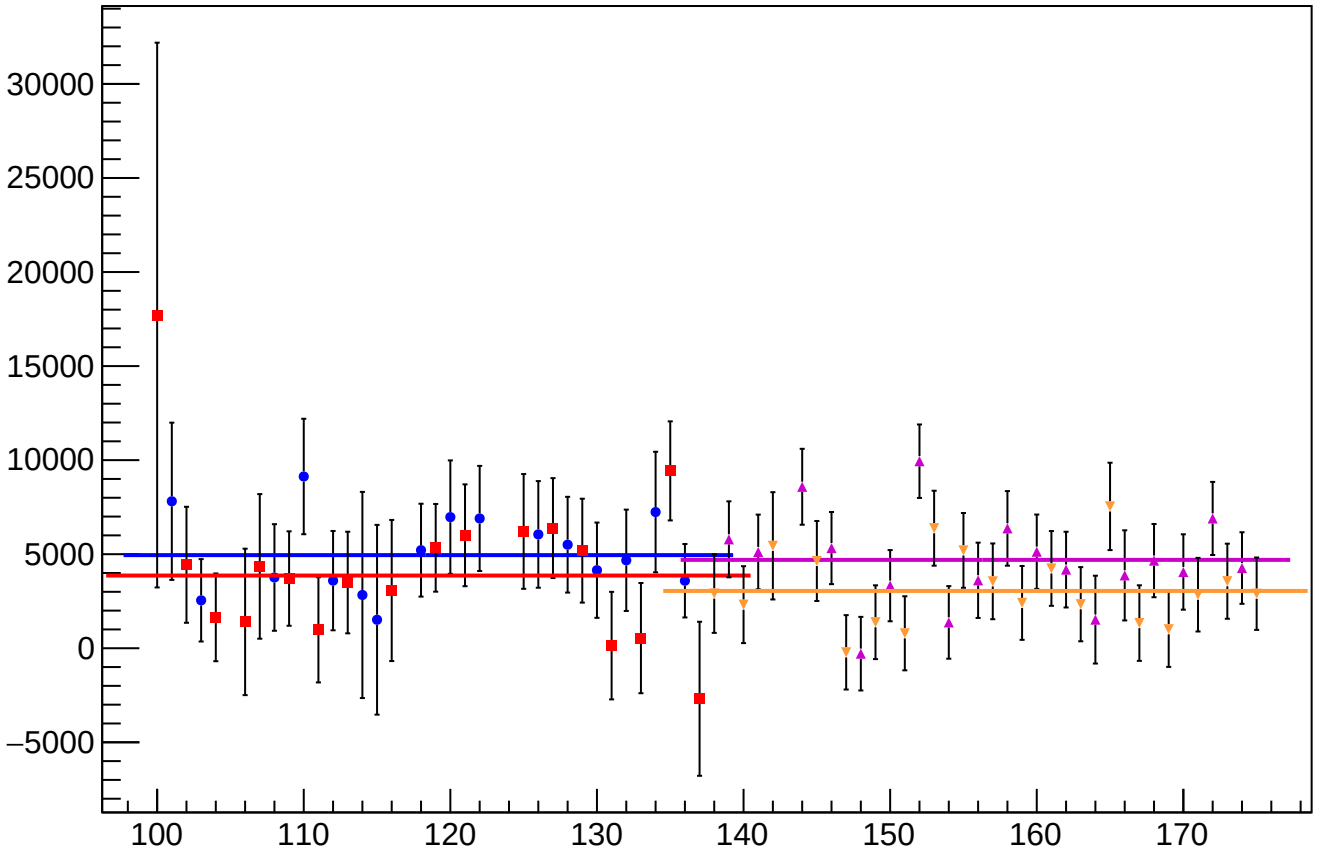
Left: 6171.380+/-0.814 χ^2/NDF: 1760275.0/36

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5384.223+/-0.845 χ^2/NDF:3367865.7/33

Out: 5278.159+/-0.831 χ^2/NDF:3583200.5/36

All: 5330.284+/-0.593 χ^2/NDF: 6959070.8/70



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4697.406+/-471.074 χ^2/NDF:25.9/17

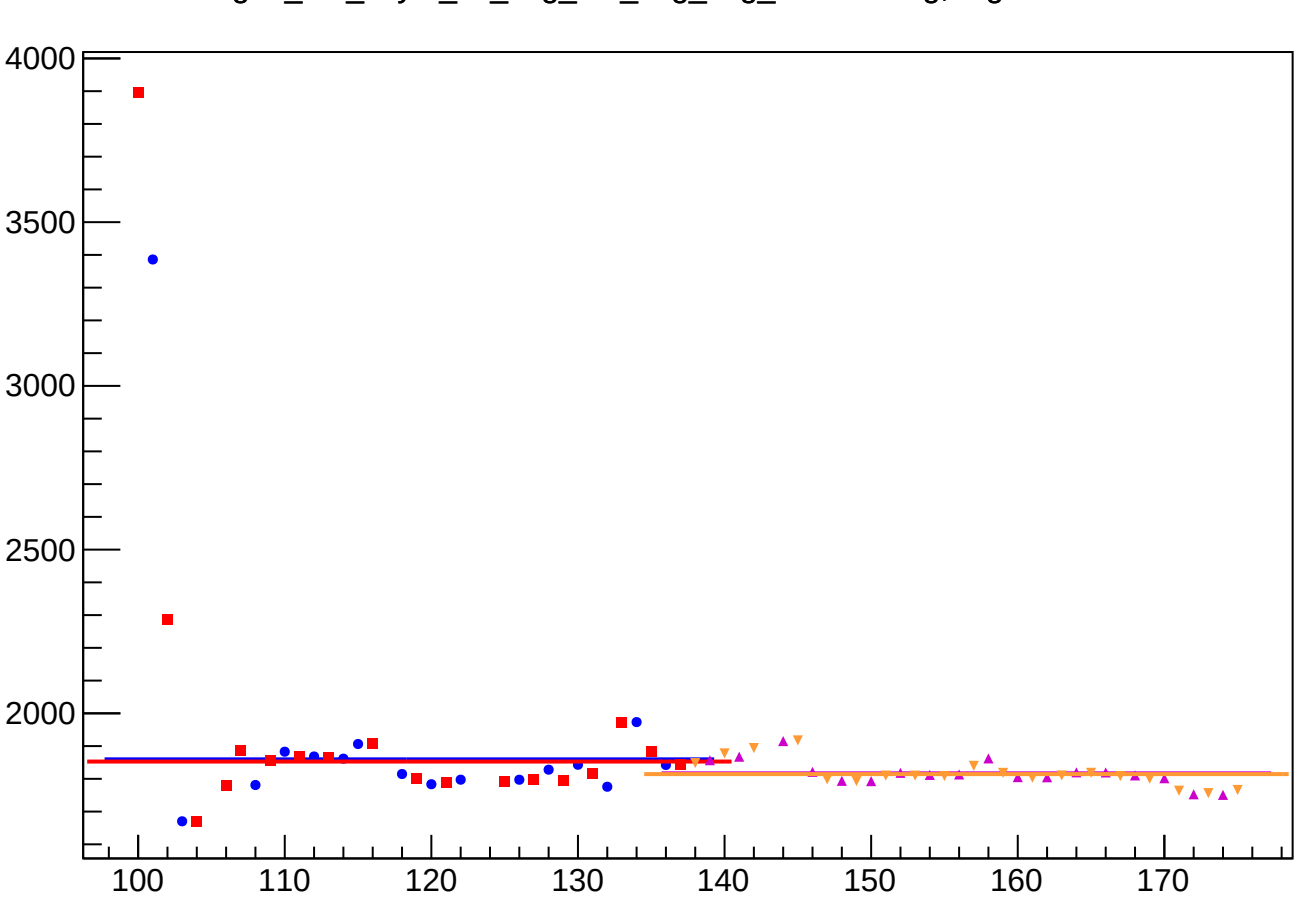
Left: 3866.019+/-331.893 χ^2/NDF: 48.4/36

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4776.257+/-390.632 χ^2/NDF:32.8/33

Out: 3301.246+/-388.145 χ^2/NDF:33.5/36

All: 4034.040+/-275.335 χ^2/NDF: 73.5/70



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

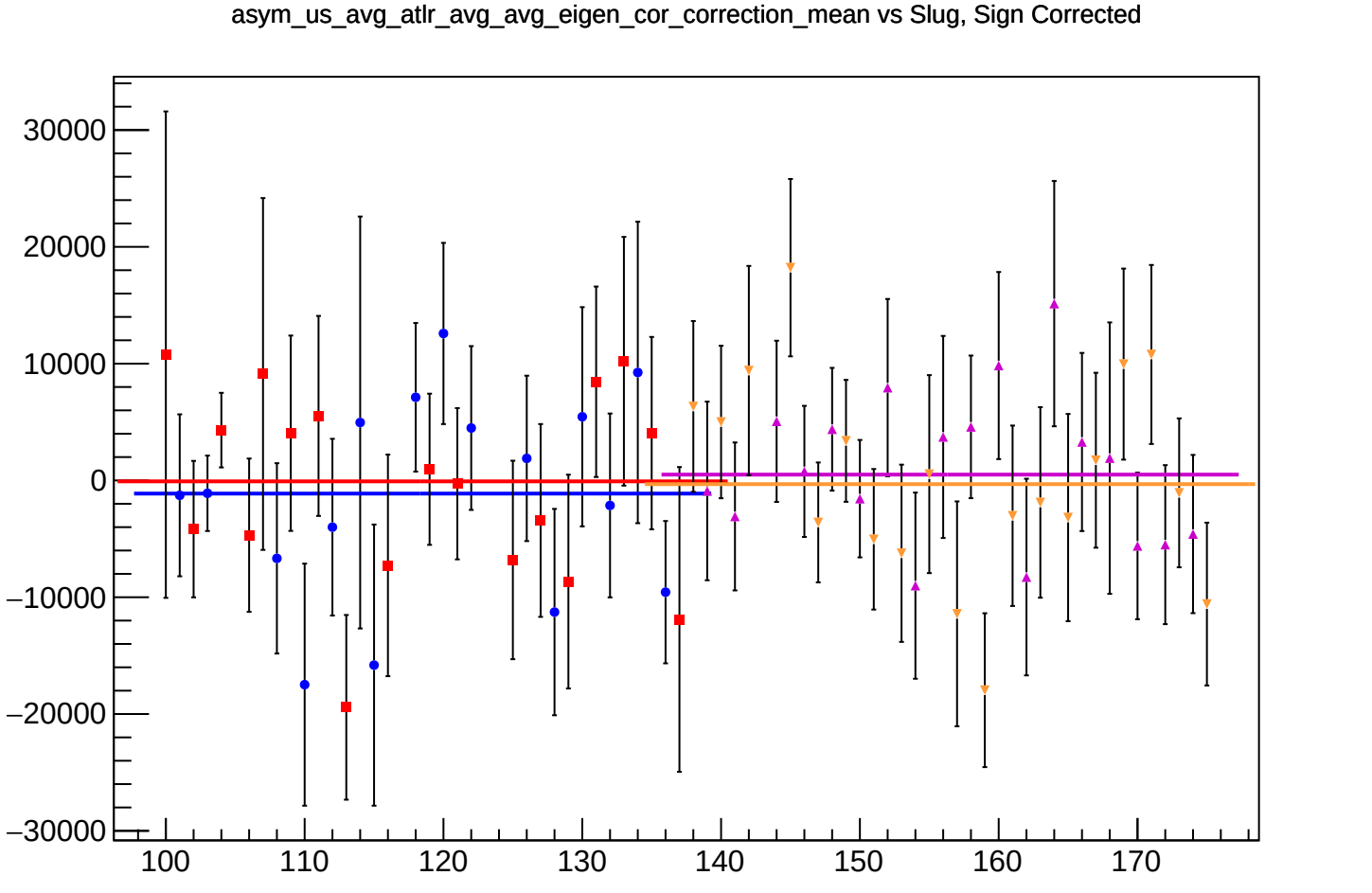
Left: 1815.619+/-0.235 χ^2/NDF: 27305.1/36

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1830.153+/-0.276 χ^2/NDF:310847.9/33

Out: 1826.411+/-0.274 χ^2/NDF:119846.4/36

All: 1828.269+/-0.195 χ^2/NDF: 430786.7/70



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -317.547+/-1624.544 χ^2/NDF:25.5/18

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 499.095+/-1630.870 χ^2/NDF:11.3/17

Left: 89.187+/-1150.956 χ^2/NDF: 36.9/36

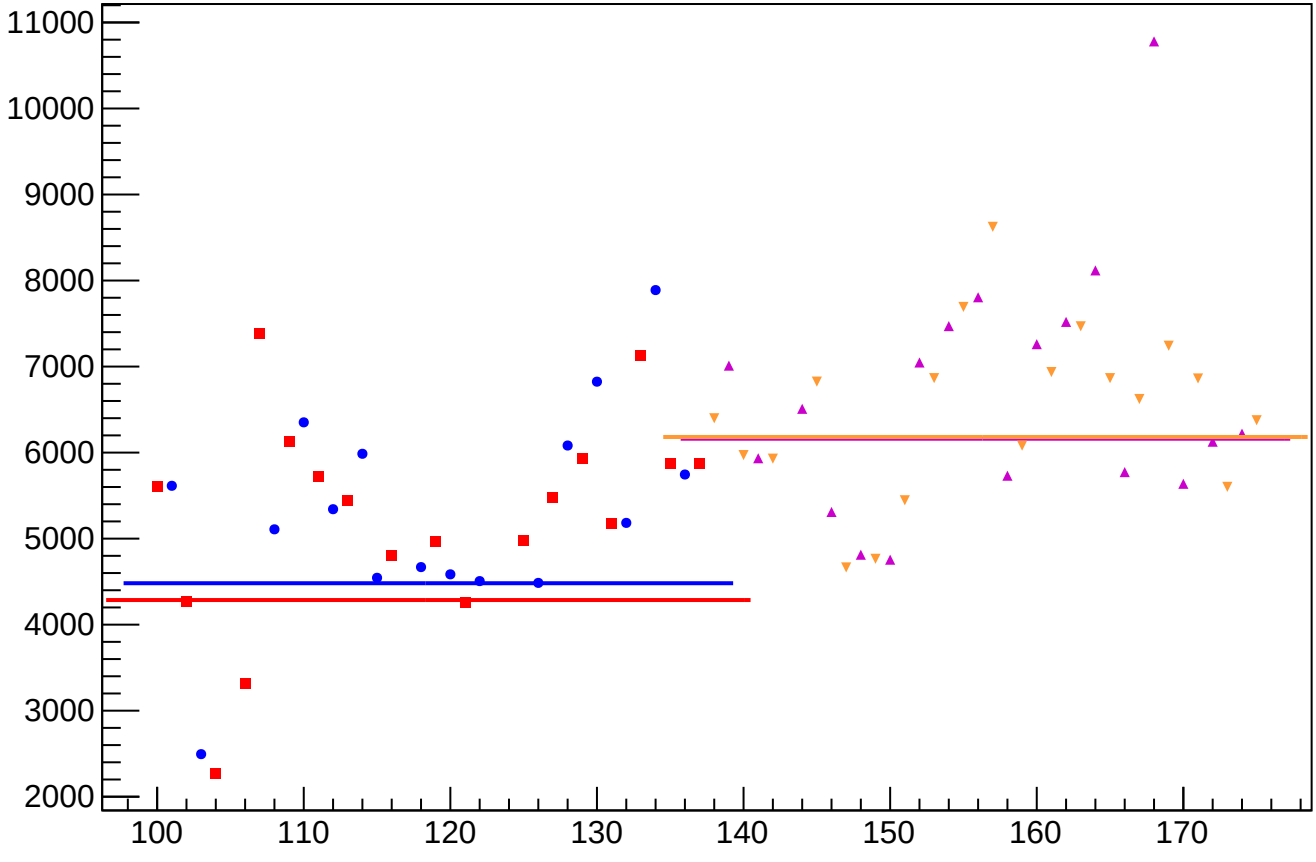
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -252.431+/-1195.580 χ^2/NDF:26.5/33

Out: -203.508+/-1175.301 χ^2/NDF:41.0/36

All: -227.551+/-838.141 χ^2/NDF: 67.5/70

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6181.483+/-1.149 χ^2/NDF:735863.1/18

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

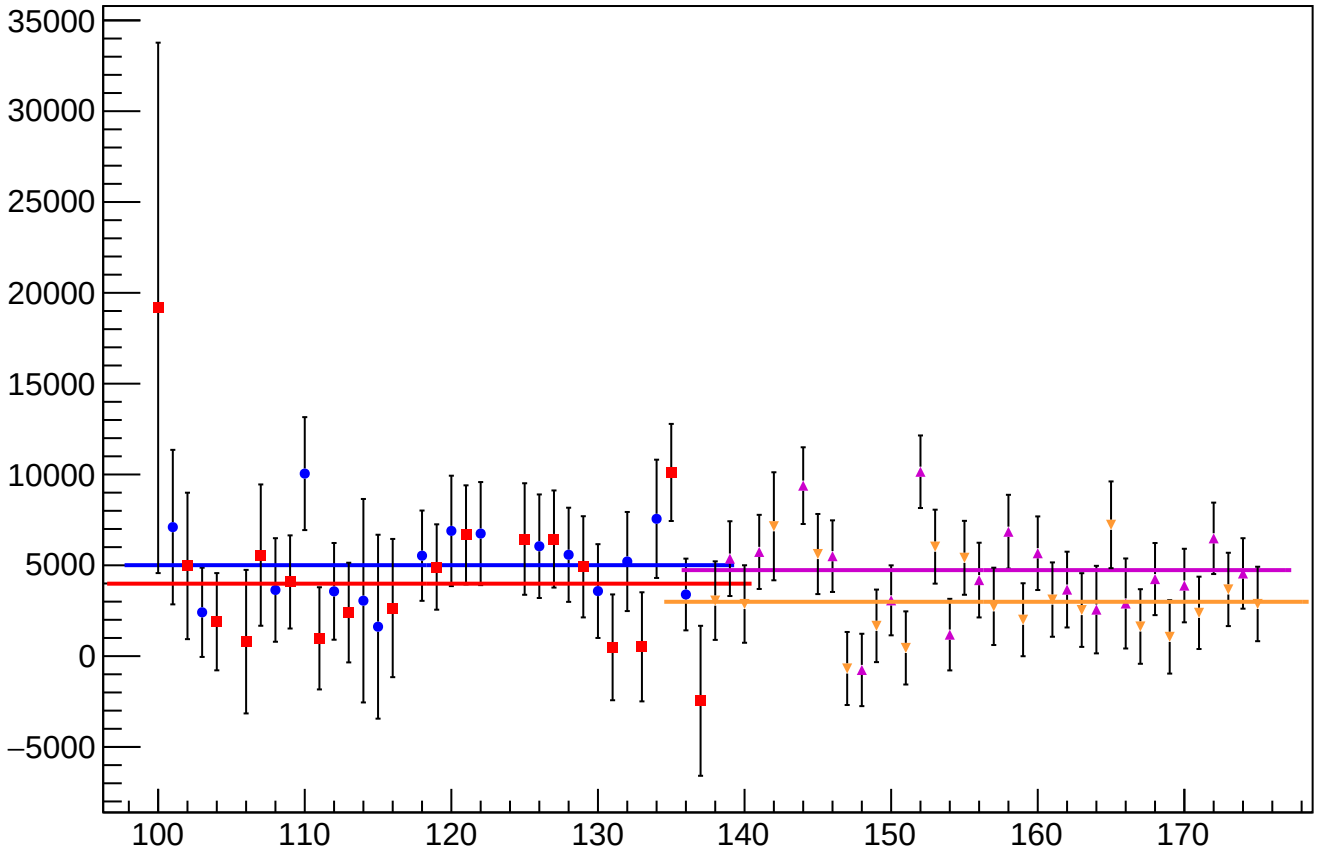
Left: 6171.380+/-0.814 χ^2/NDF: 1760275.0/36

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5384.223+/-0.845 χ^2/NDF:3367865.7/33

Out: 5278.159+/-0.831 χ^2/NDF:3583200.5/36

All: 5330.284+/-0.593 χ^2/NDF: 6959070.8/70



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.549+/-480.937 χ^2/NDF:17.4/18

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4735.132+/-482.417 χ^2/NDF:28.3/17

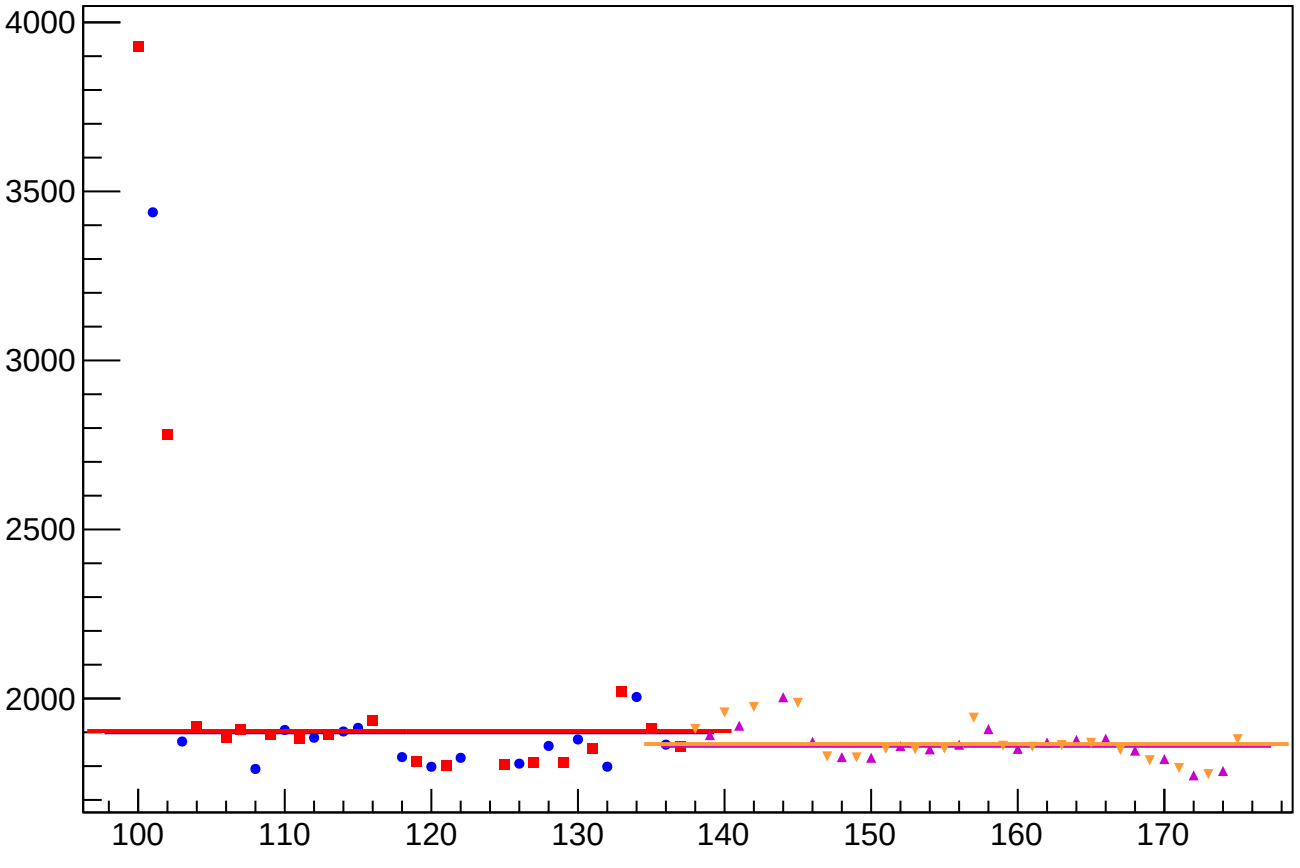
Left: 3860.662+/-340.596 χ^2/NDF: 52.3/36

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4820.431+/-399.740 χ^2/NDF:36.1/33

Out: 3299.923+/-399.756 χ^2/NDF:36.1/36

All: 4060.207+/-282.665 χ^2/NDF: 79.4/70



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1865.237+/-0.340 χ^2/NDF:25767.9/18

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1860.137+/-0.341 χ^2/NDF:22063.3/17

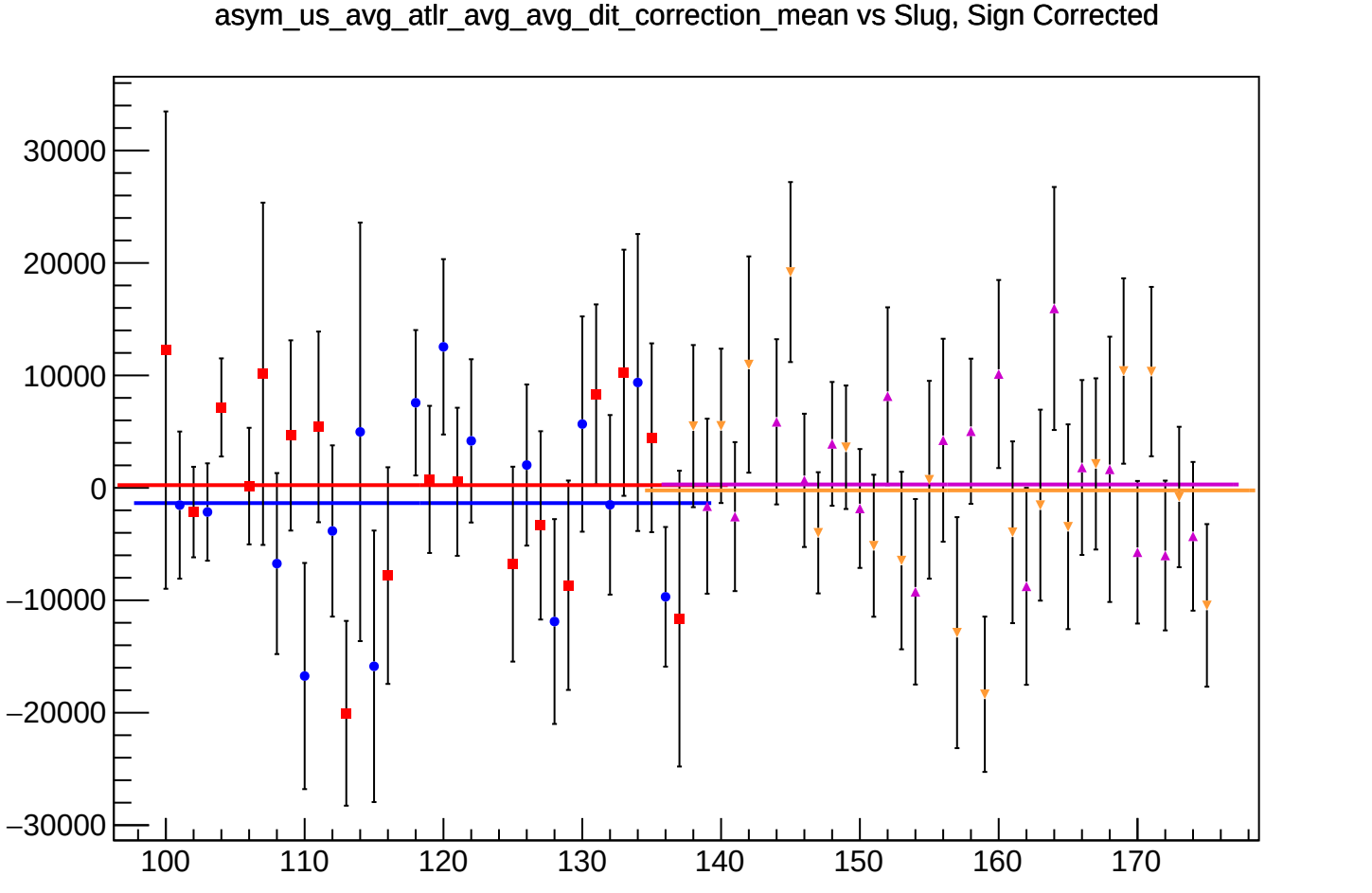
Left: 1862.695+/-0.241 χ^2/NDF: 47943.4/36

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

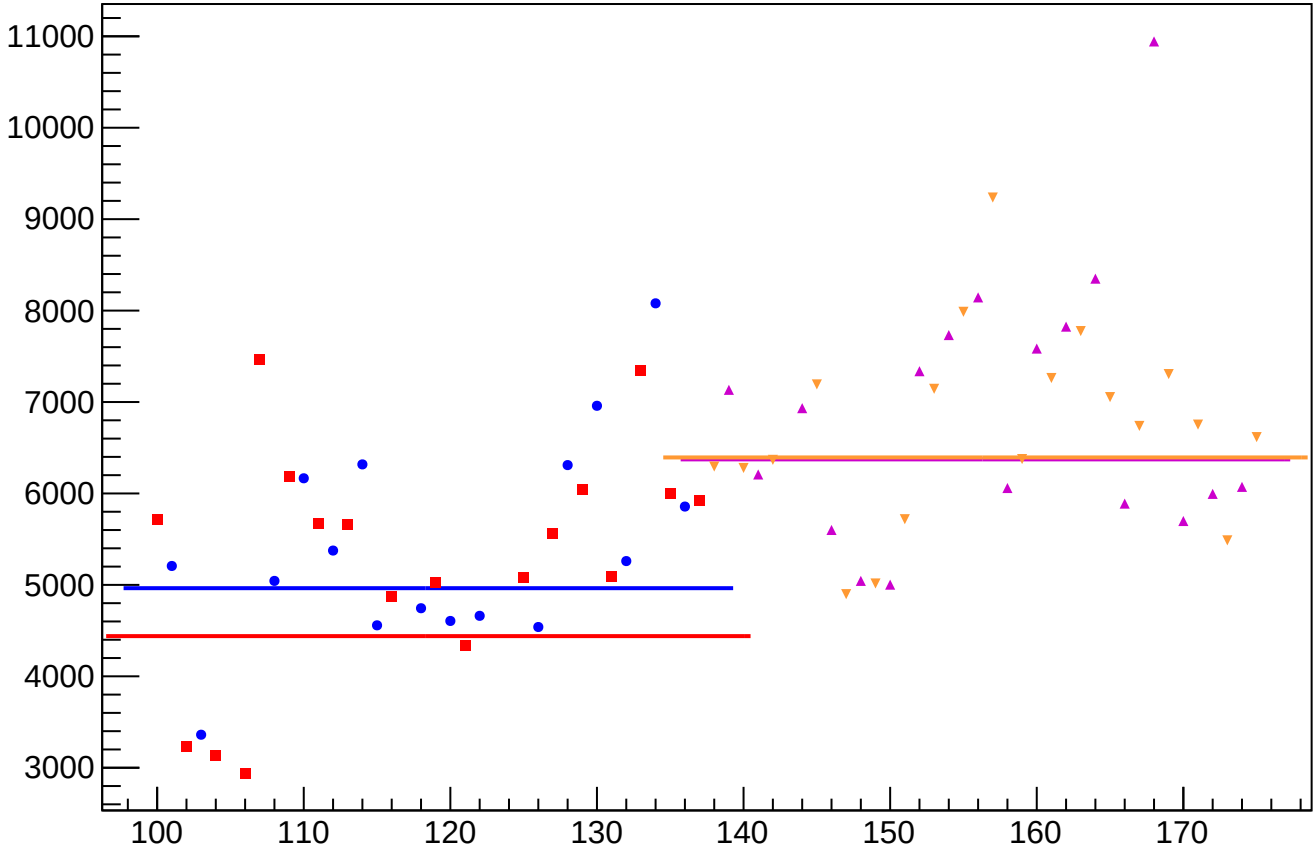
In: 1872.665+/-0.283 χ^2/NDF:304815.2/33

Out: 1877.183+/-0.283 χ^2/NDF:179870.0/36

All: 1874.924+/-0.200 χ^2/NDF: 484813.0/70


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: -226.438+/-1679.389 χ²/NDF:25.3/18
Right Out: 241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: 299.889+/-1685.693 χ²/NDF:11.4/17
Left: 35.740+/-1189.730 χ²/NDF: 36.7/36
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -431.436+/-1259.781 χ²/NDF:26.5/33
Out: 2.769+/-1199.105 χ²/NDF:41.1/36
All: -203.626+/-868.554 χ²/NDF: 67.6/70

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6393.881+/-1.188 χ^2/NDF:724360.9/18

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6372.673+/-1.192 χ^2/NDF:987643.5/17

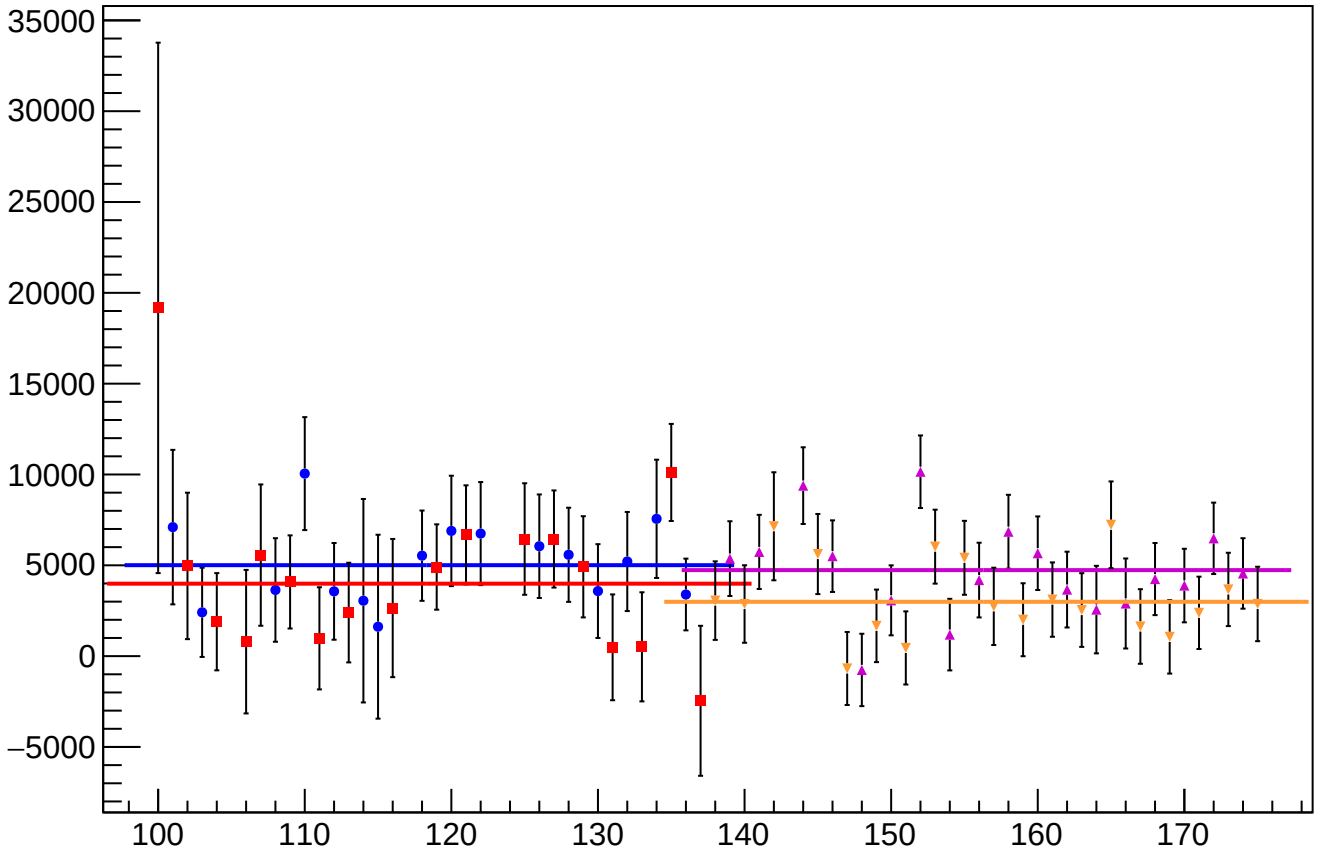
Left: 6383.316+/-0.841 χ^2/NDF: 1712163.3/36

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5750.761+/-0.891 χ^2/NDF:2231633.4/33

Out: 5435.956+/-0.848 χ^2/NDF:3210354.8/36

All: 5585.595+/-0.614 χ^2/NDF: 5507512.7/70



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.542+/-480.937 χ^2/NDF:17.4/18

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4735.134+/-482.417 χ^2/NDF:28.3/17

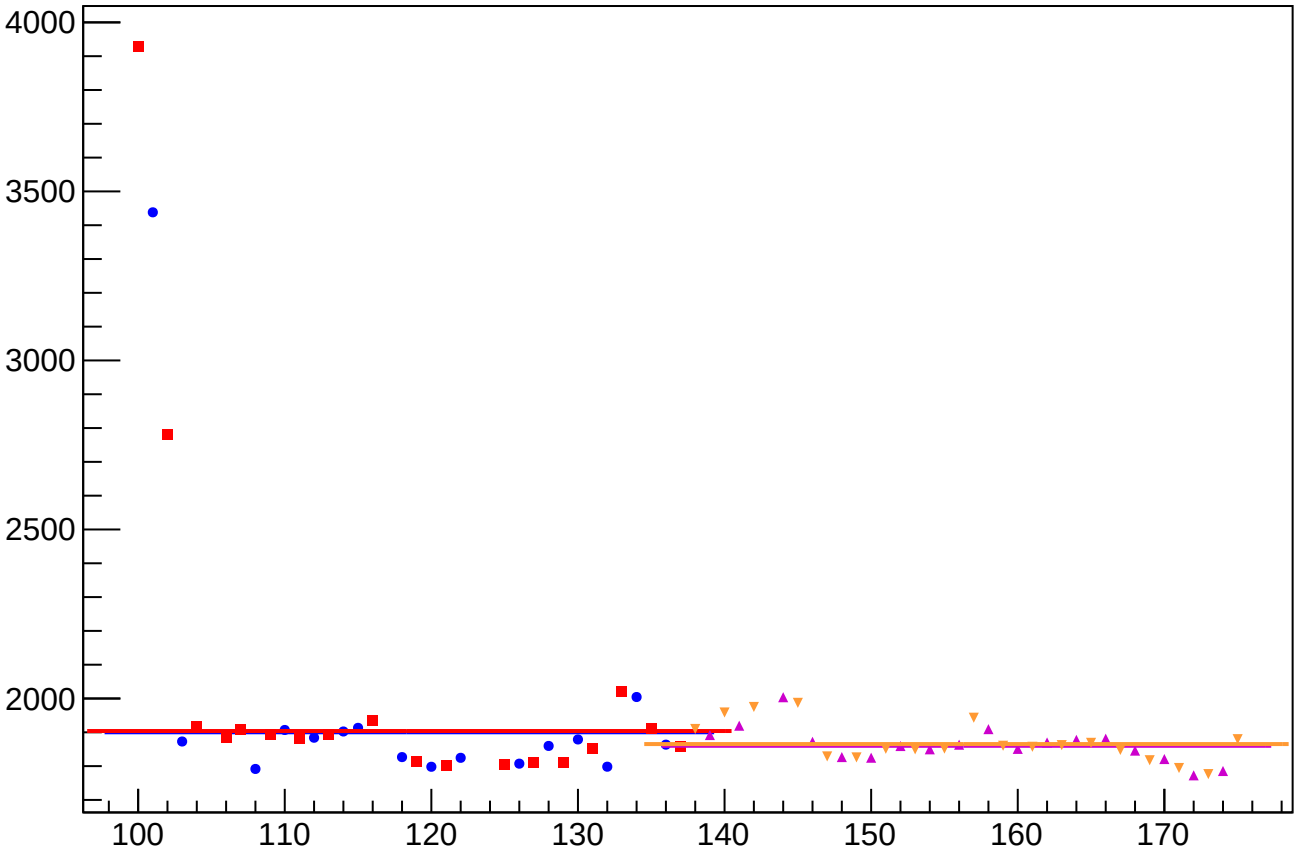
Left: 3860.660+/-340.596 χ^2/NDF: 52.3/36

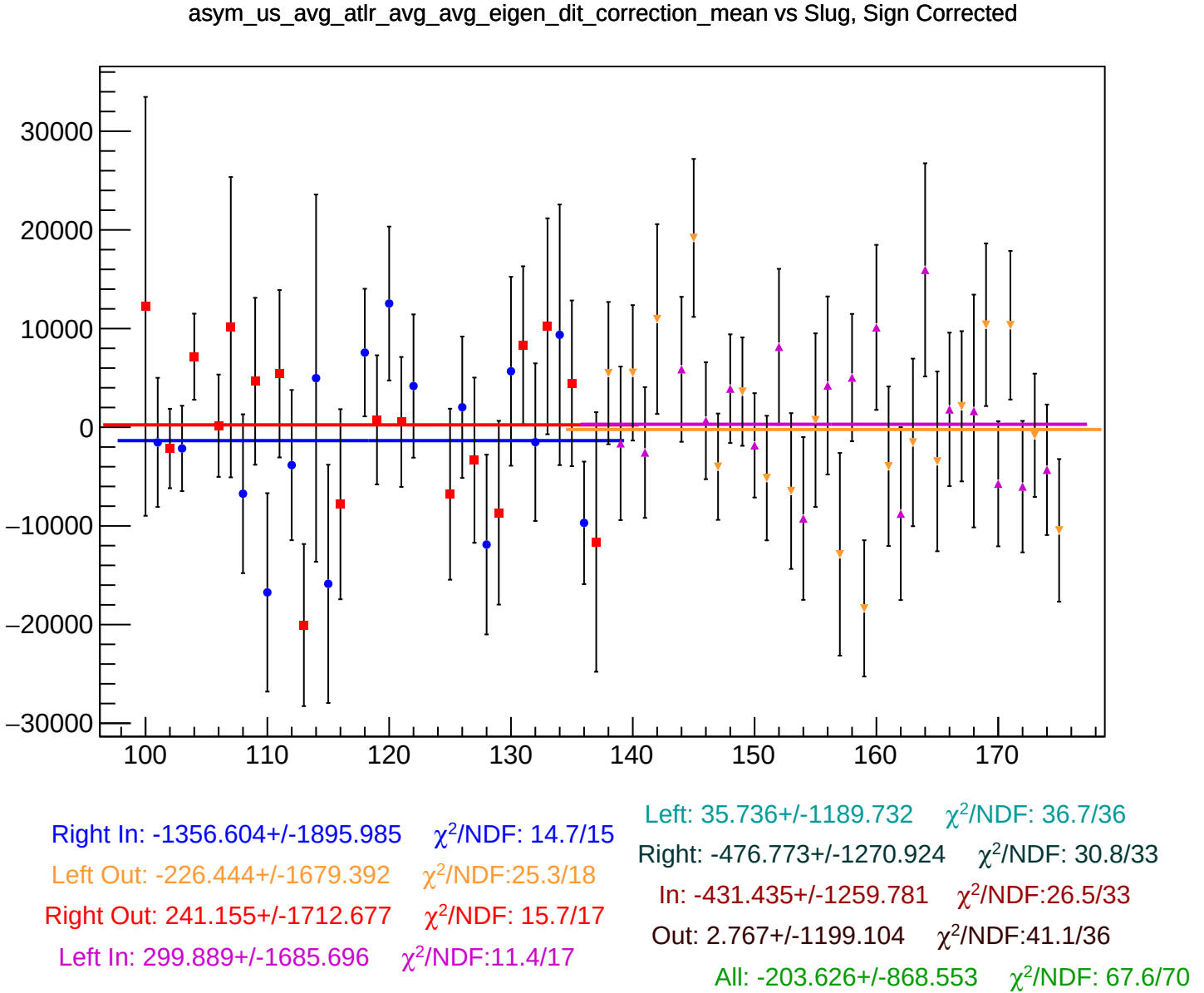
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4820.432+/-399.740 χ^2/NDF:36.1/33

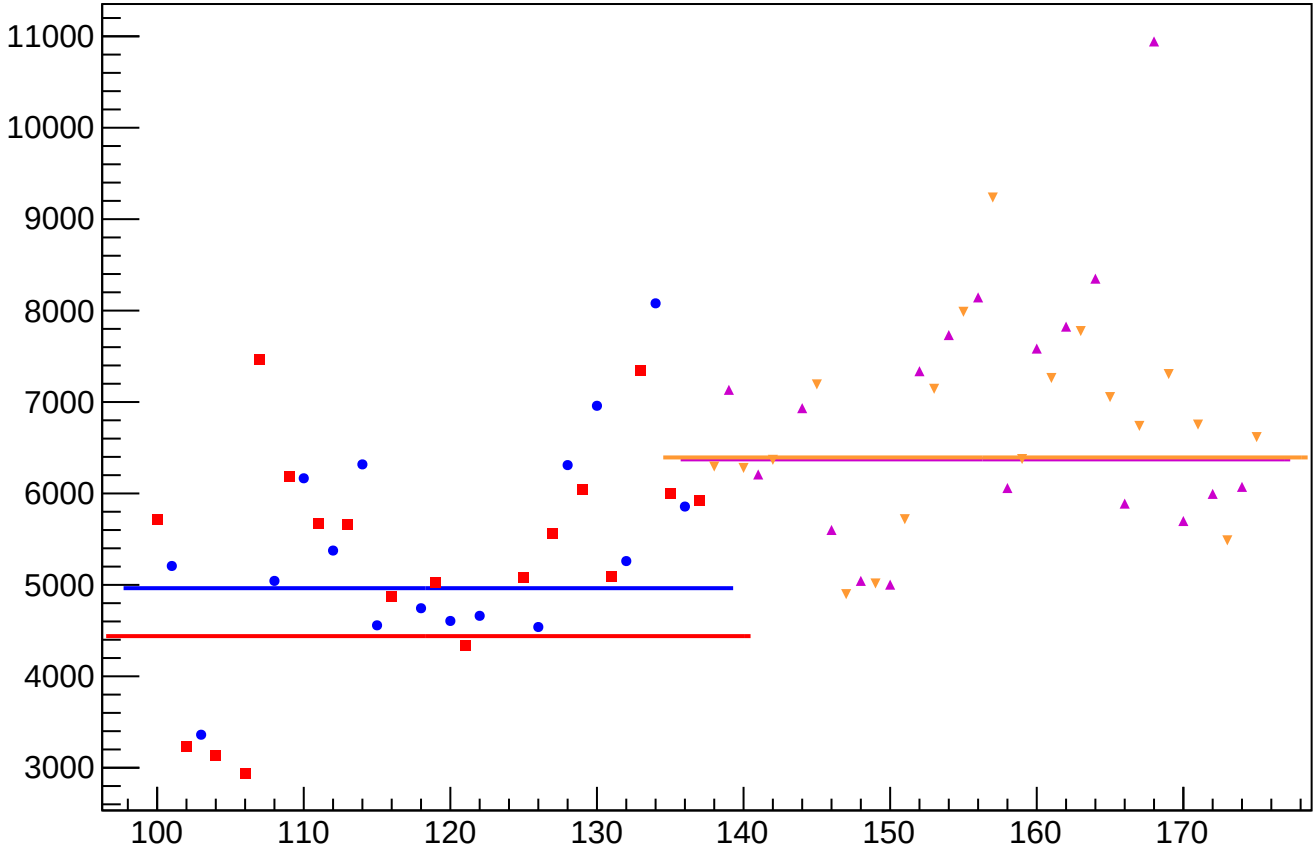
Out: 3299.919+/-399.756 χ^2/NDF:36.1/36

All: 4060.206+/-282.665 χ^2/NDF: 79.4/70


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1865.238+/-0.340 χ²/NDF:25768.7/18
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1860.138+/-0.341 χ²/NDF:22064.0/17
Left: 1862.696+/-0.241 χ²/NDF: 47944.8/36
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1872.665+/-0.283 χ²/NDF:304815.7/33
Out: 1877.184+/-0.283 χ²/NDF:179869.7/36
All: 1874.925+/-0.200 χ²/NDF: 484813.2/70


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -226.444+/-1679.392 χ²/NDF:25.3/18
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 299.889+/-1685.696 χ²/NDF:11.4/17
Left: 35.736+/-1189.732 χ²/NDF: 36.7/36
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -431.435+/-1259.781 χ²/NDF:26.5/33
Out: 2.767+/-1199.104 χ²/NDF:41.1/36
All: -203.626+/-868.553 χ²/NDF: 67.6/70

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6393.891+/-1.188 χ^2/NDF:724362.4/18

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6372.683+/-1.192 χ^2/NDF:987645.1/17

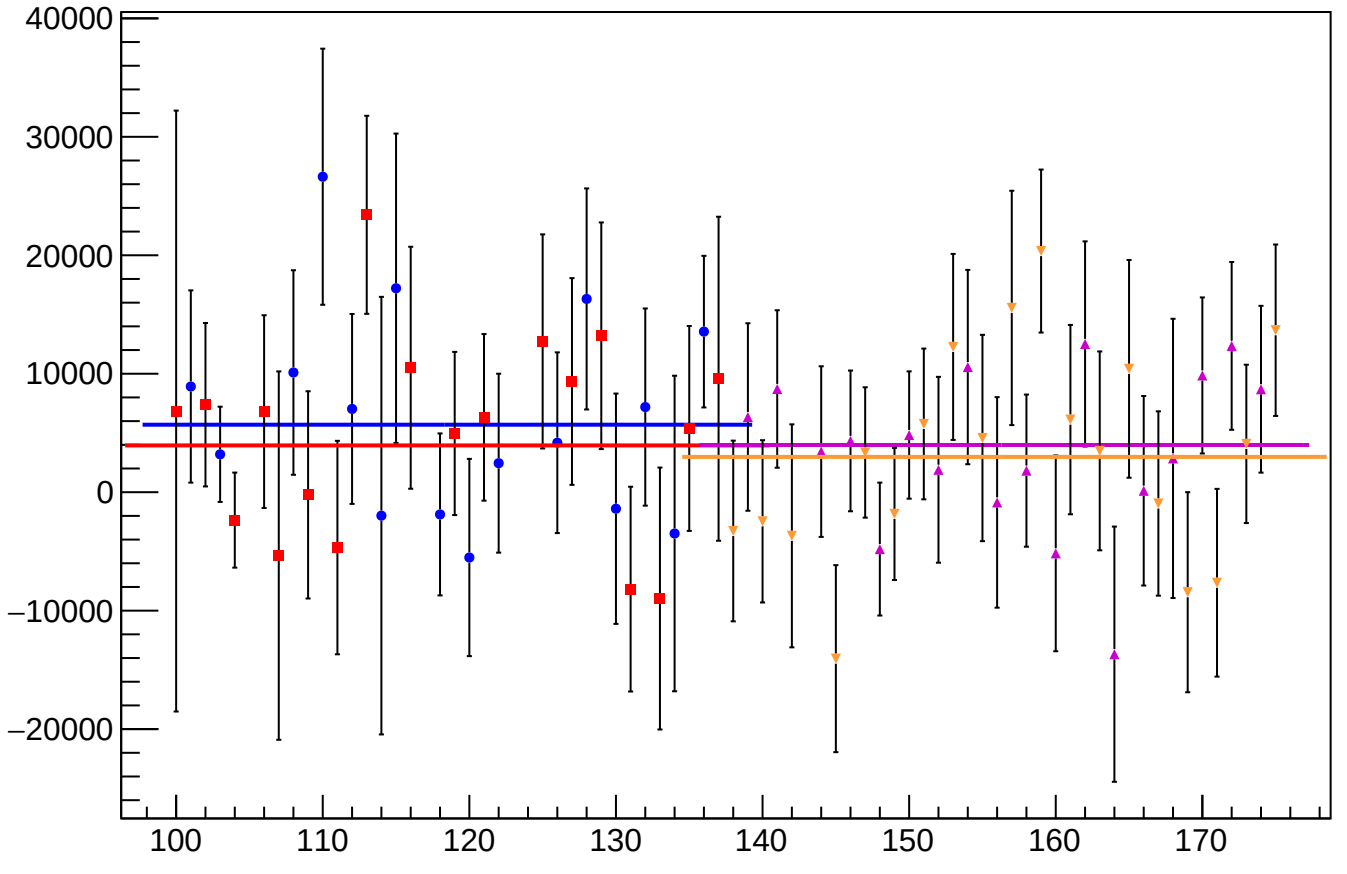
Left: 6383.327+/-0.841 χ^2/NDF: 1712166.4/36

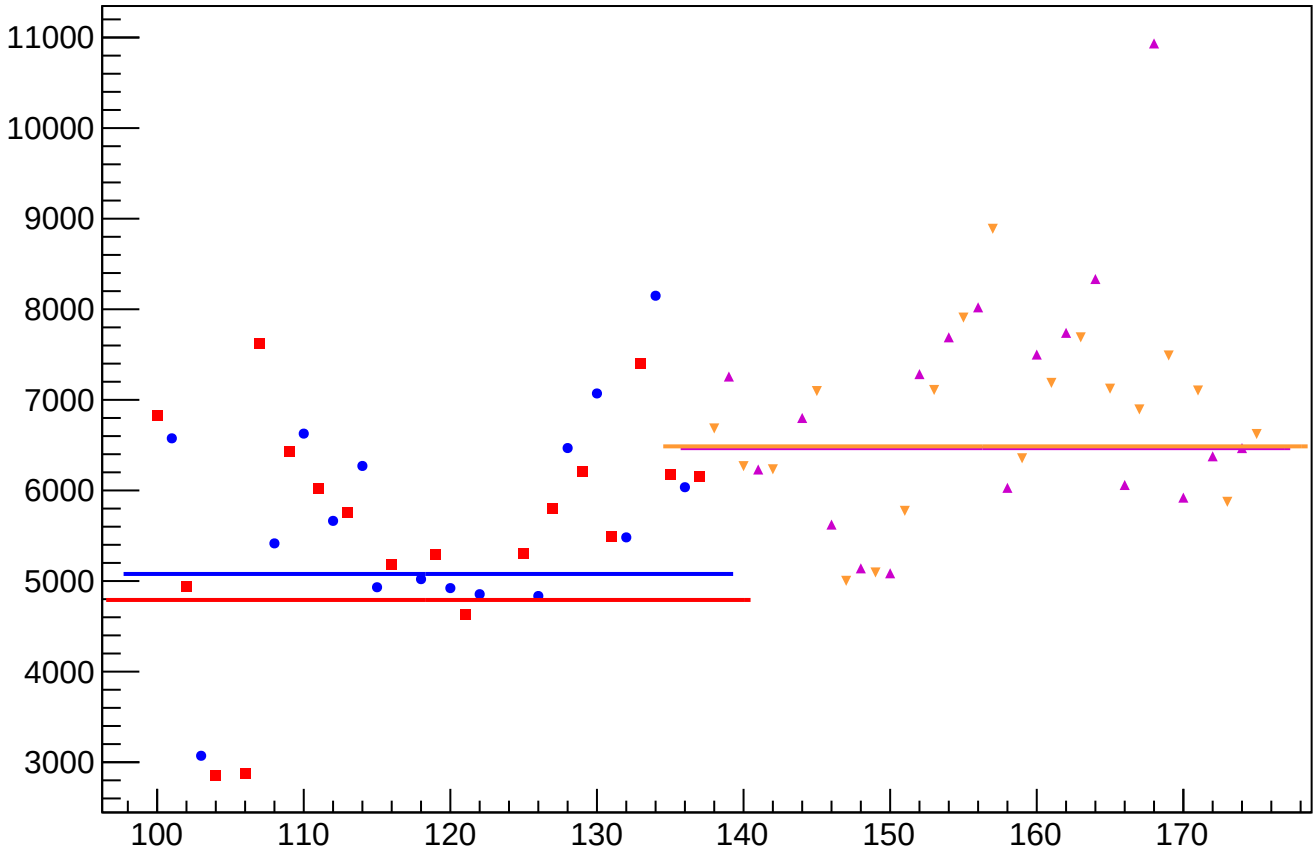
Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5750.758+/-0.891 χ^2/NDF:2231658.5/33

Out: 5435.951+/-0.848 χ^2/NDF:3210386.8/36

All: 5585.591+/-0.614 χ^2/NDF: 5507570.4/70


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 2981.259+/-1699.843 χ²/NDF:23.7/18
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 3984.335+/-1707.009 χ²/NDF:12.0/17
Left: 3480.687+/-1204.496 χ²/NDF: 35.9/36
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 4723.500+/-1287.030 χ²/NDF:25.0/33
Out: 3406.517+/-1272.892 χ²/NDF:40.0/36
All: 4057.735+/-905.027 χ²/NDF: 65.6/70



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6486.620+/-1.202 χ^2/NDF:625775.3/18

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6467.056+/-1.207 χ^2/NDF:888898.7/17

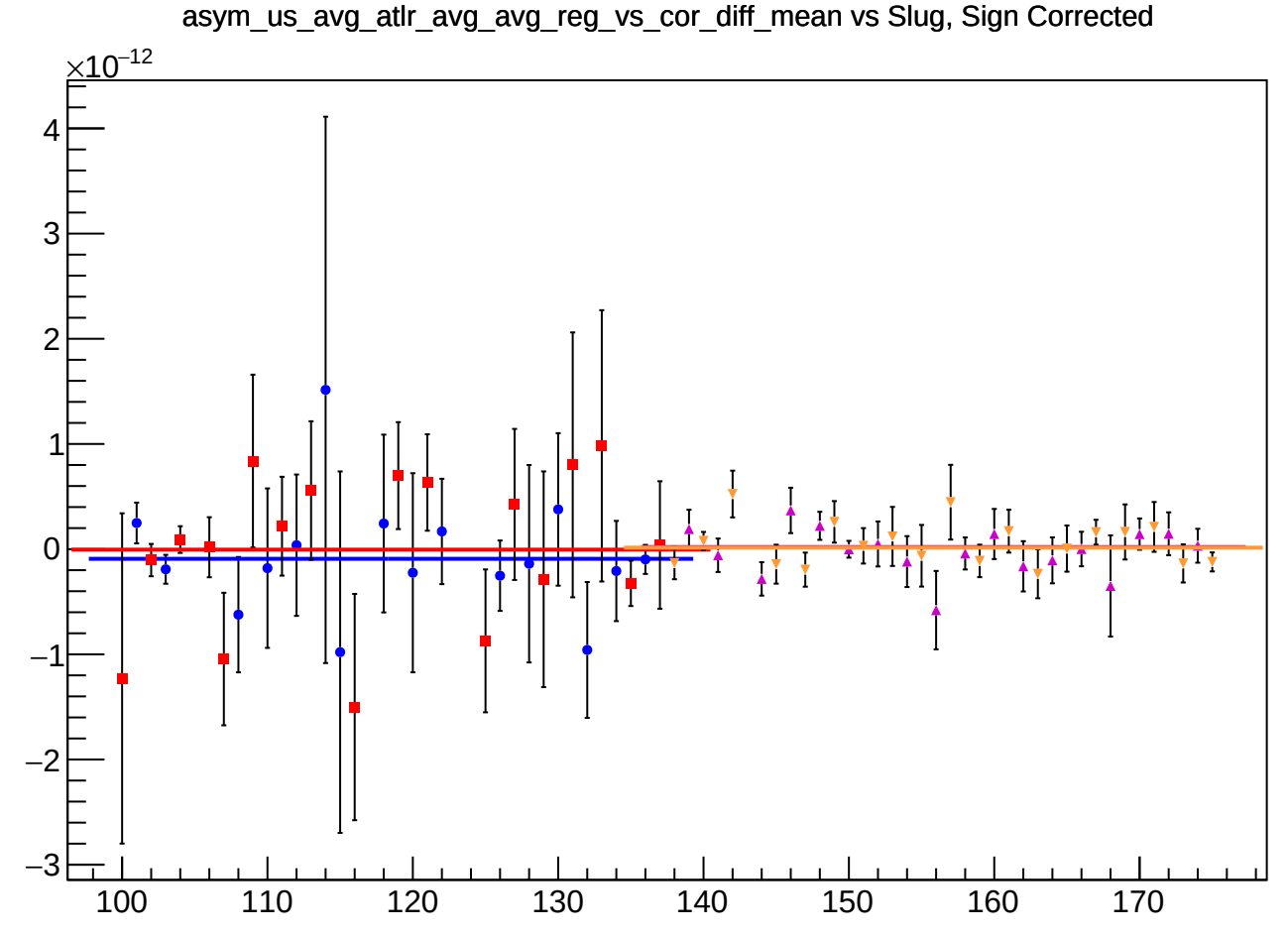
Left: 6476.879+/-0.852 χ^2/NDF: 1514805.9/36

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5867.690+/-0.910 χ^2/NDF:2379483.8/33

Out: 5724.844+/-0.892 χ^2/NDF:2682211.9/36

All: 5794.833+/-0.637 χ^2/NDF: 5074261.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

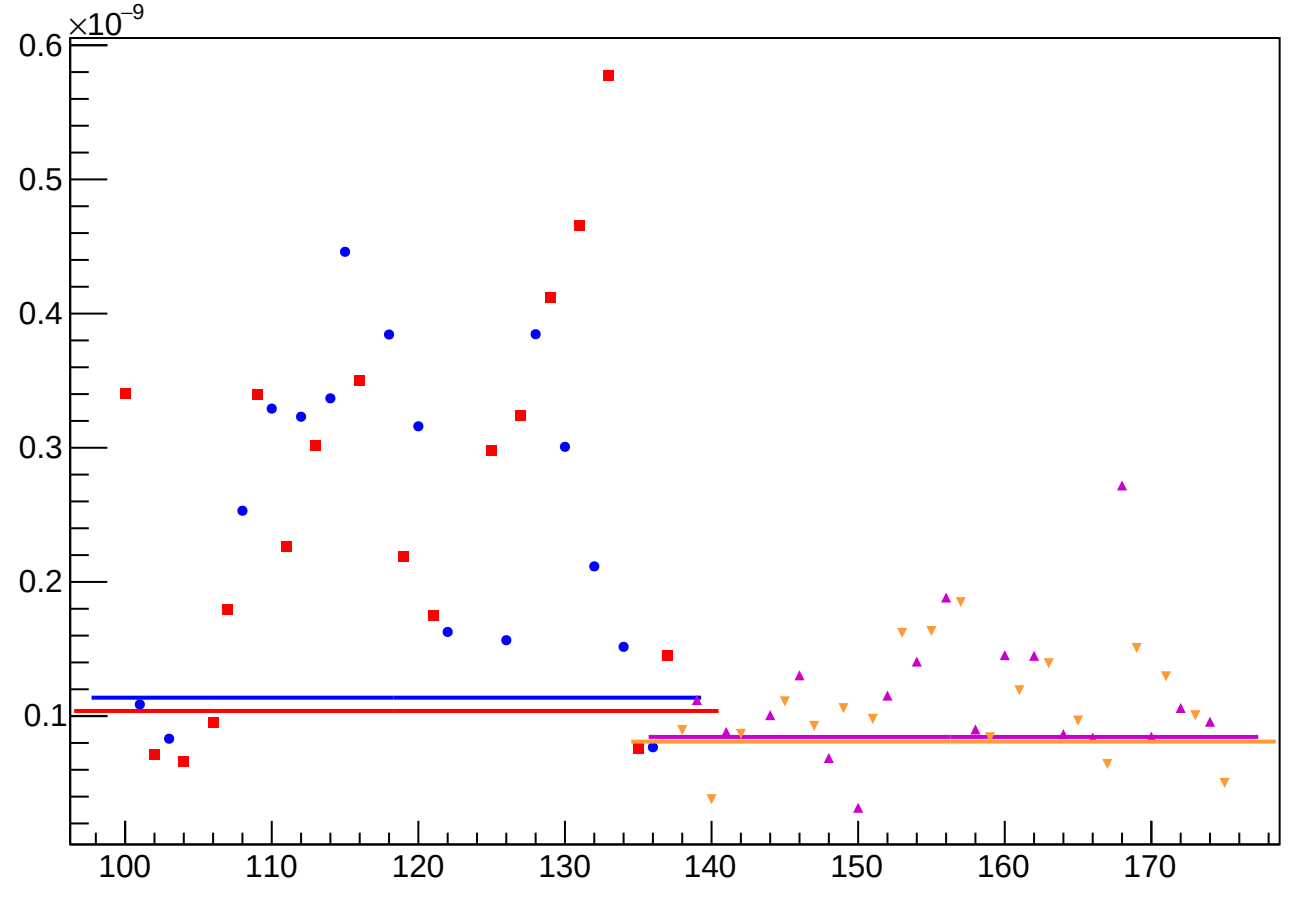
Left: 0.000+/-0.000 χ^2/NDF: 35.9/36

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:25.5/33

Out: 0.000+/-0.000 χ^2/NDF:37.7/36

All: 0.000+/-0.000 χ^2/NDF: 63.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849225.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1961294.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3818874.3/36

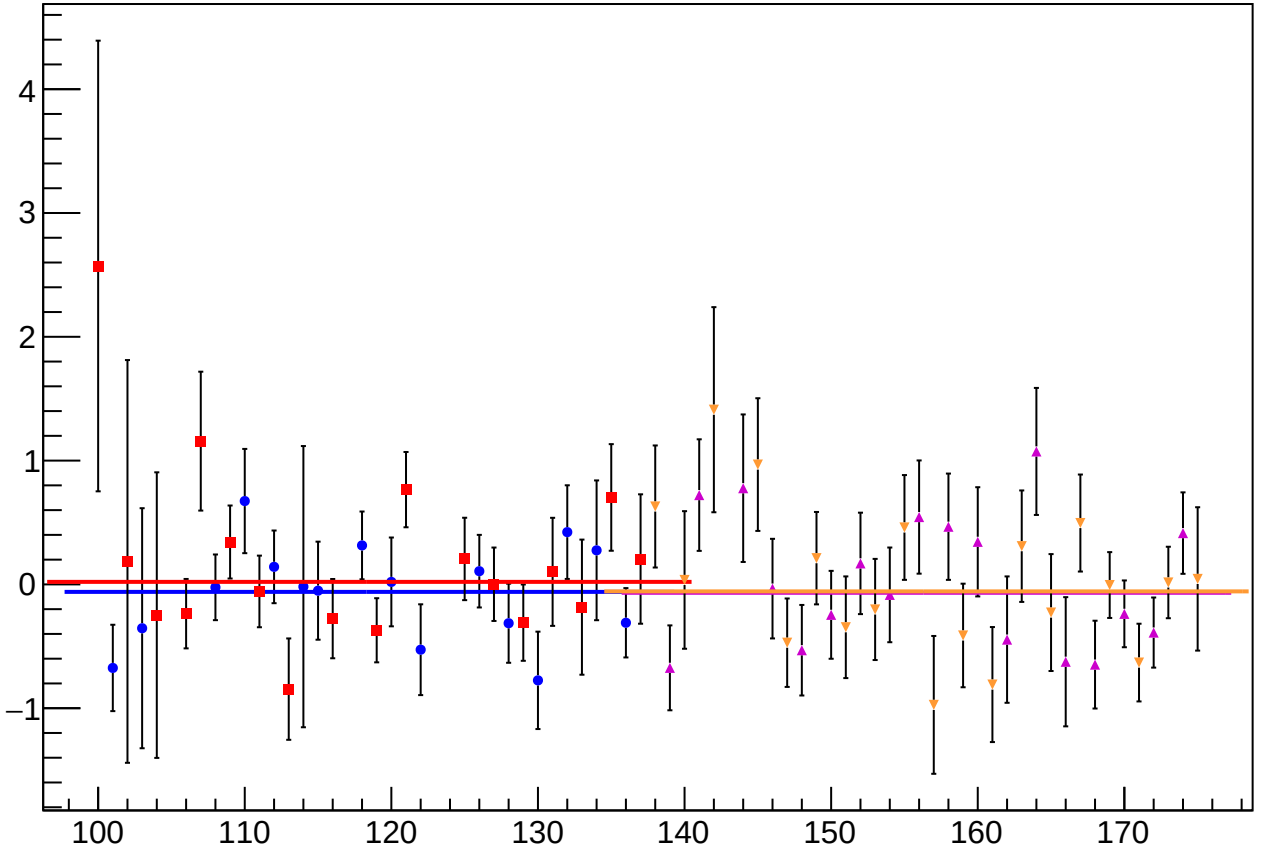
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3710631.5/33

Out: 0.000+/-0.000 χ^2/NDF:4079067.4/36

All: 0.000+/-0.000 χ^2/NDF: 7812588.3/70

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.062+/-0.065 χ^2/NDF: 52.8/36

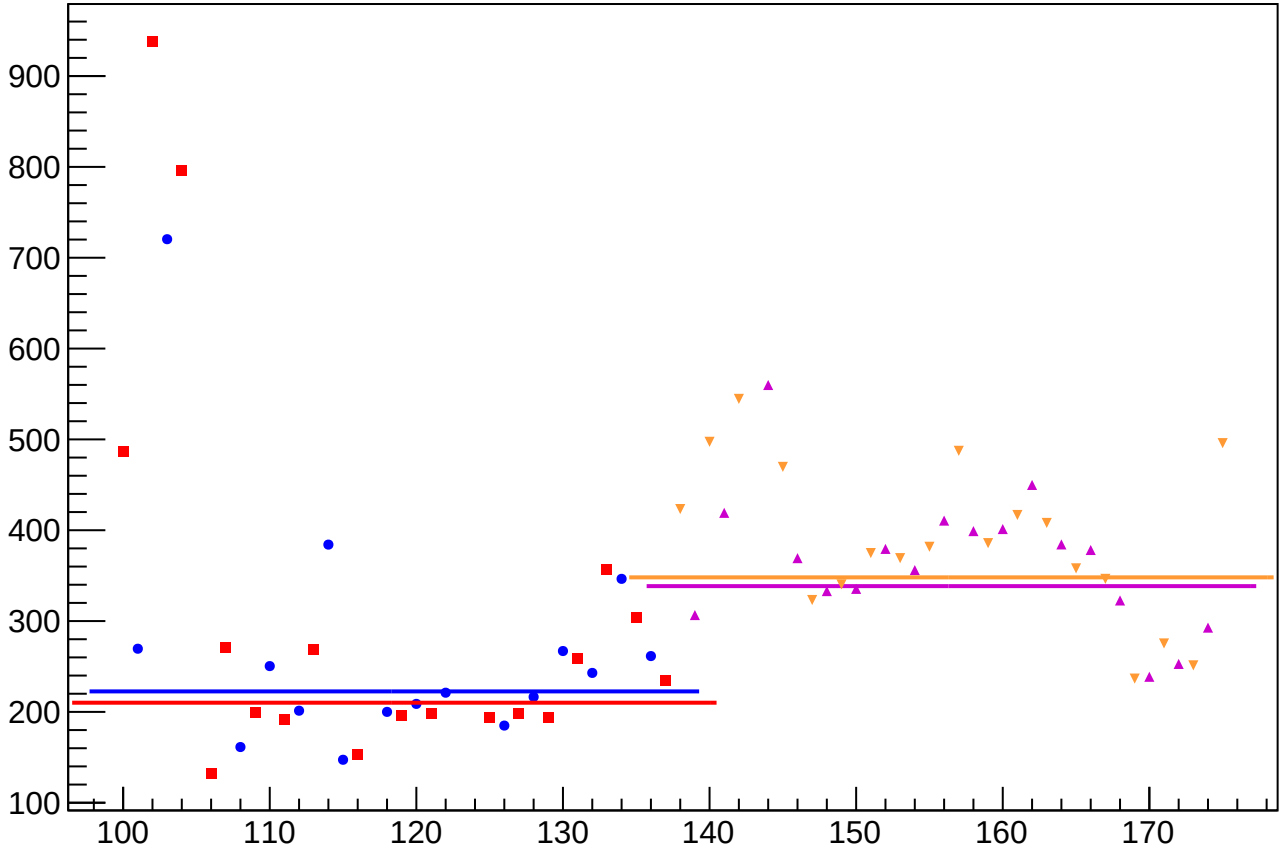
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.040+/-0.045 χ^2/NDF: 96.9/70

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479424.2/18

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

Left: 343.145+/-0.046 χ^2/NDF: 2636749.4/36

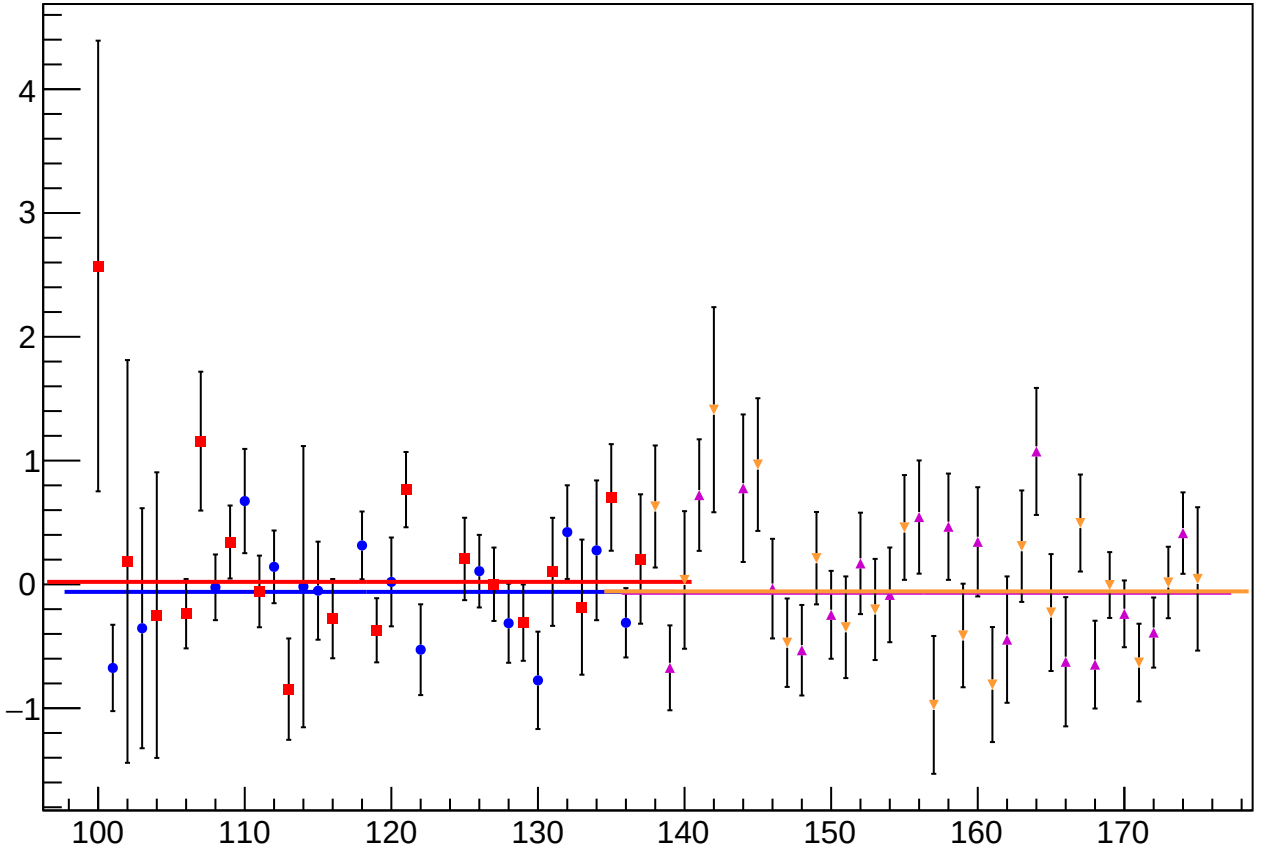
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.991+/-0.045 χ^2/NDF:3829054.8/33

Out: 274.261+/-0.045 χ^2/NDF:5343700.9/36

All: 276.643+/-0.032 χ^2/NDF: 9178263.3/70

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.062+/-0.065 χ^2/NDF: 52.8/36

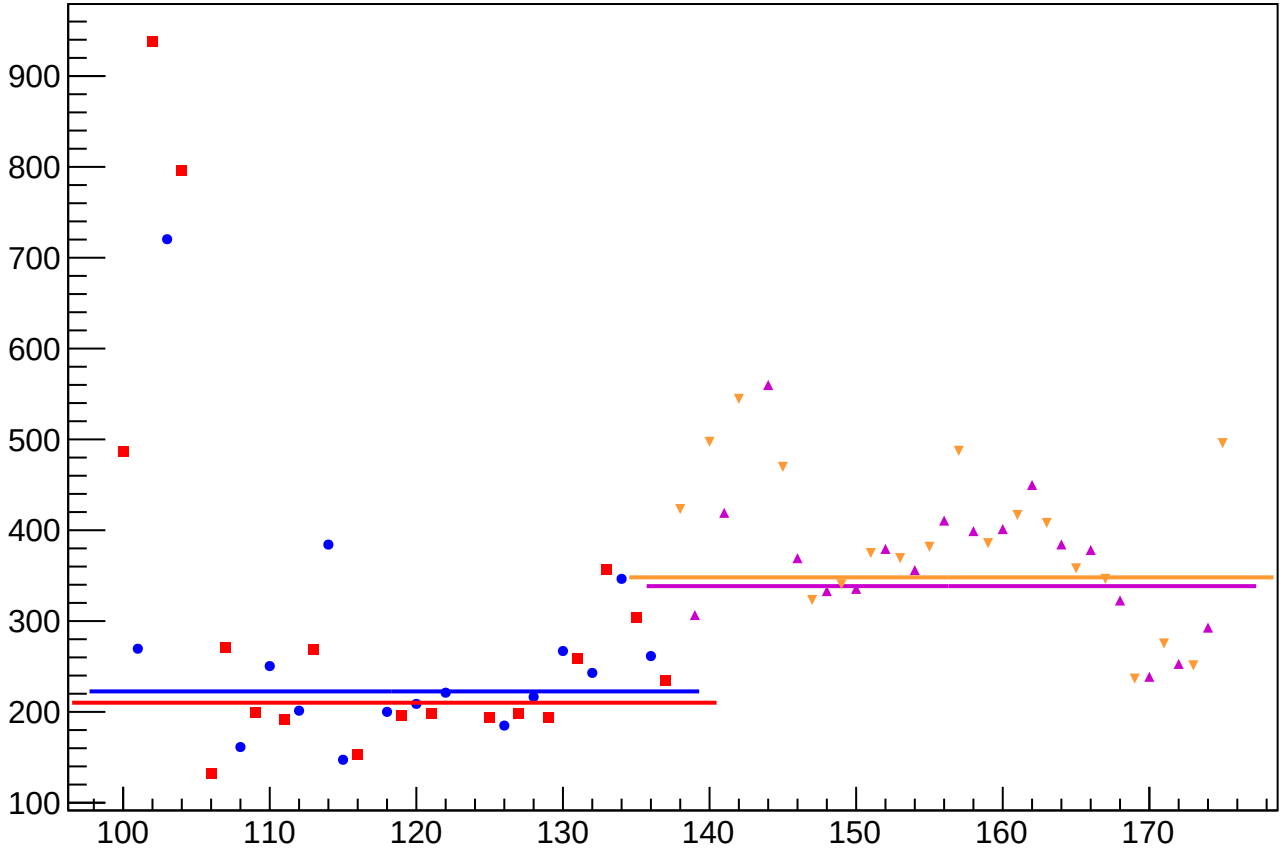
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.040+/-0.045 χ^2/NDF: 96.9/70

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479424.2/18

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

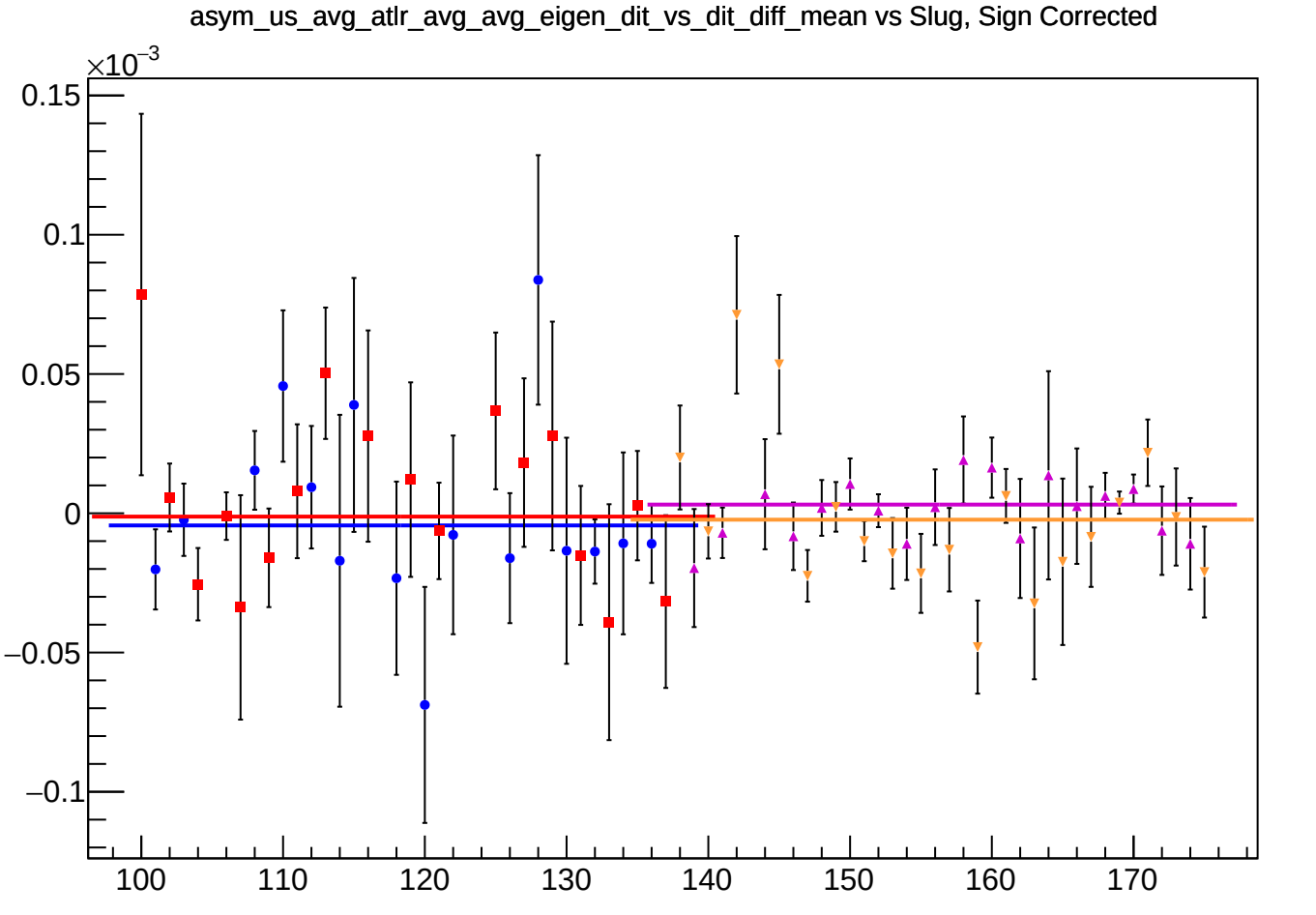
Left: 343.145+/-0.046 χ^2/NDF: 2636749.4/36

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.991+/-0.045 χ^2/NDF:3829054.8/33

Out: 274.261+/-0.045 χ^2/NDF:5343700.9/36

All: 276.643+/-0.032 χ^2/NDF: 9178263.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:10.6/17

Left: 0.000+/-0.000 χ^2/NDF: 53.5/36

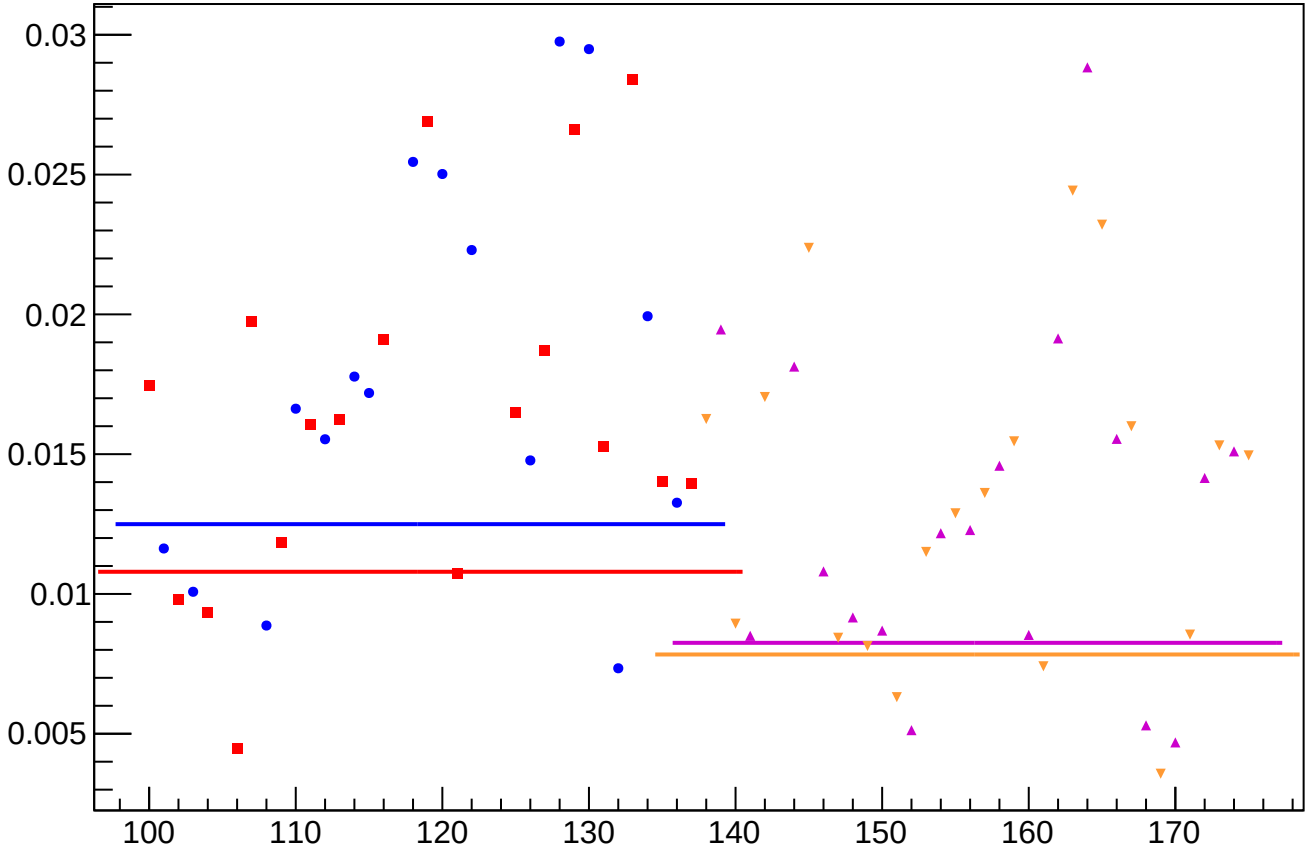
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:28.0/33

Out: -0.000+/-0.000 χ^2/NDF:57.7/36

All: -0.000+/-0.000 χ^2/NDF: 87.2/70

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7305444.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5596134.5/17

Left: 0.008+/-0.000 χ^2/NDF: 12930605.7/36

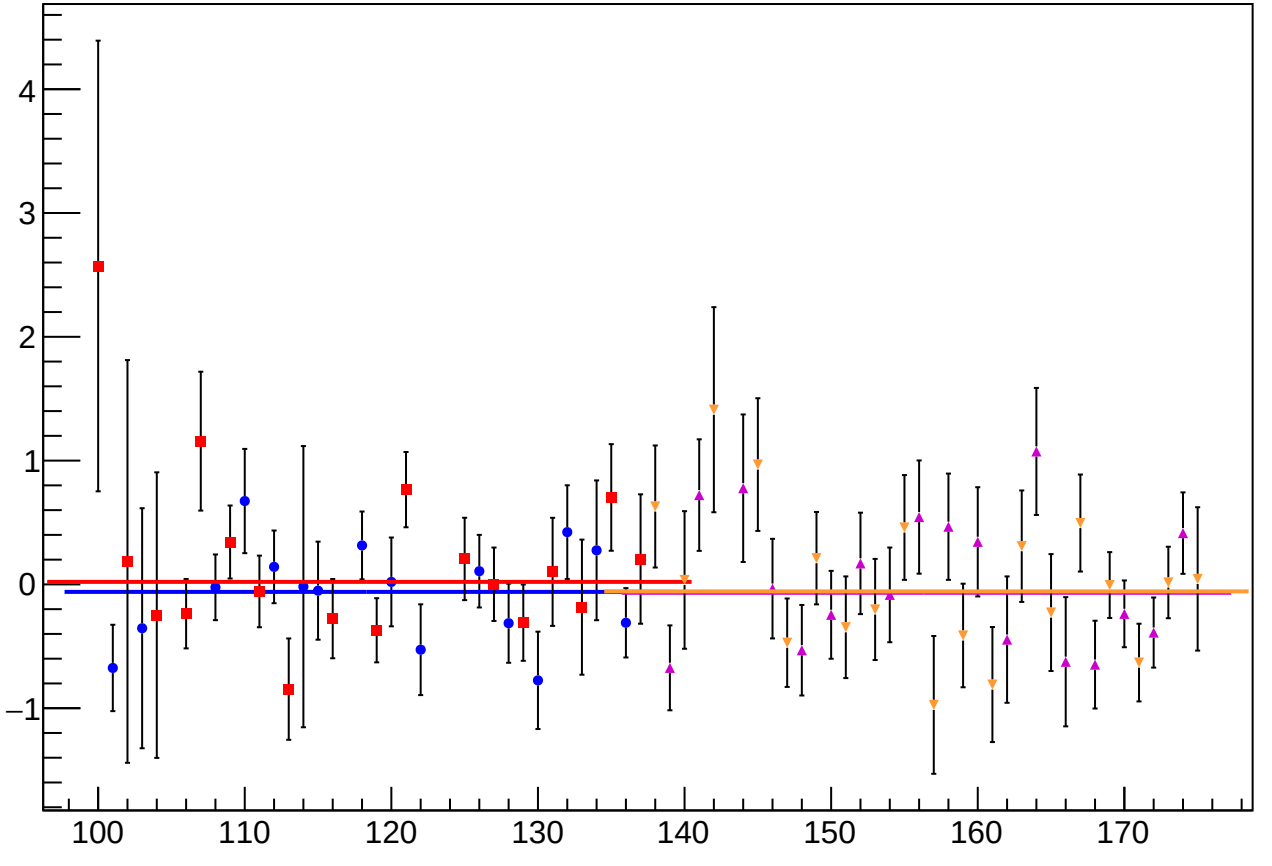
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:8836217.4/33

Out: 0.008+/-0.000 χ^2/NDF:10945415.2/36

All: 0.009+/-0.000 χ^2/NDF: 19855696.2/70

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.062+/-0.065 χ^2/NDF: 52.8/36

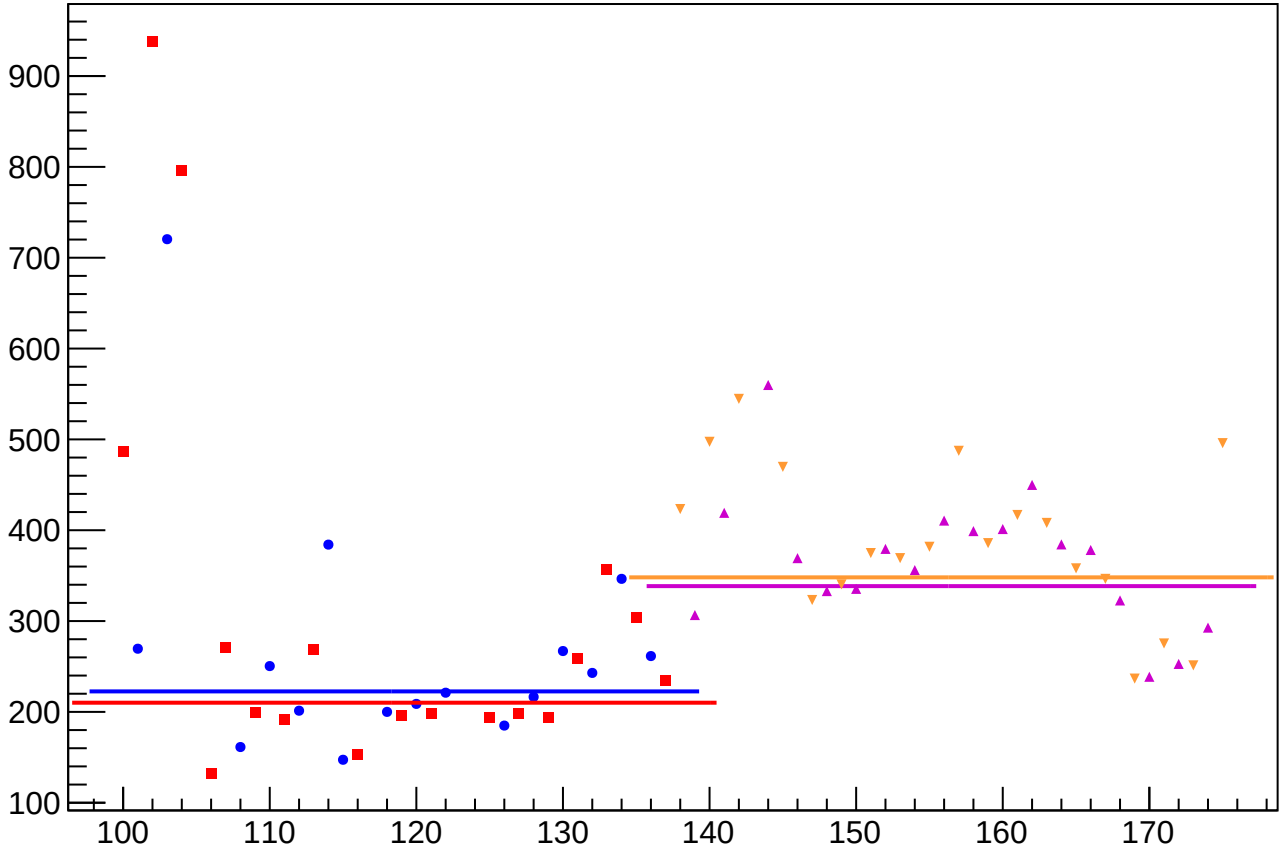
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.040+/-0.045 χ^2/NDF: 96.9/70

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479589.6/18

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

Left: 343.145+/-0.046 χ^2/NDF: 2637036.5/36

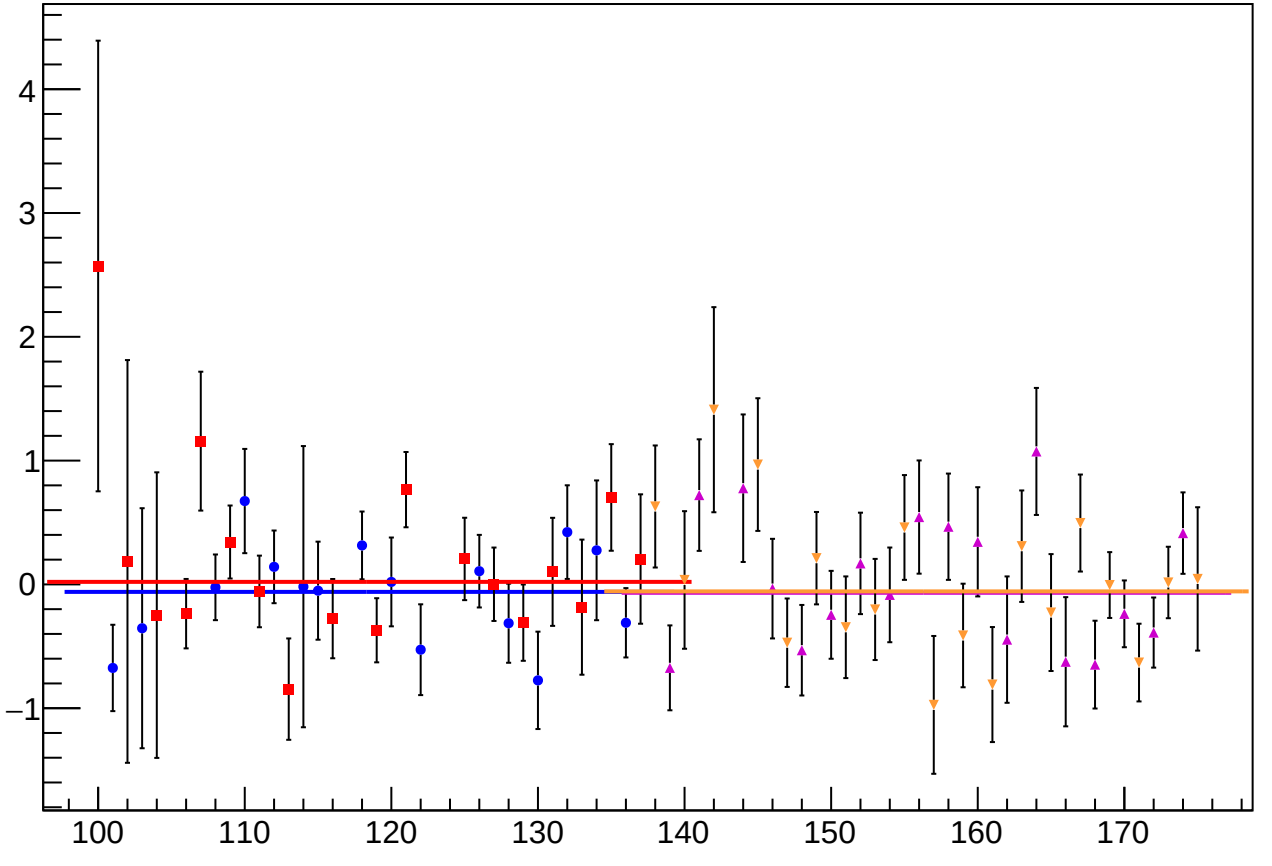
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 278.990+/-0.045 χ^2/NDF:3829254.2/33

Out: 274.259+/-0.045 χ^2/NDF:5343955.0/36

All: 276.641+/-0.032 χ^2/NDF: 9178720.0/70

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.062+/-0.065 χ^2/NDF: 52.8/36

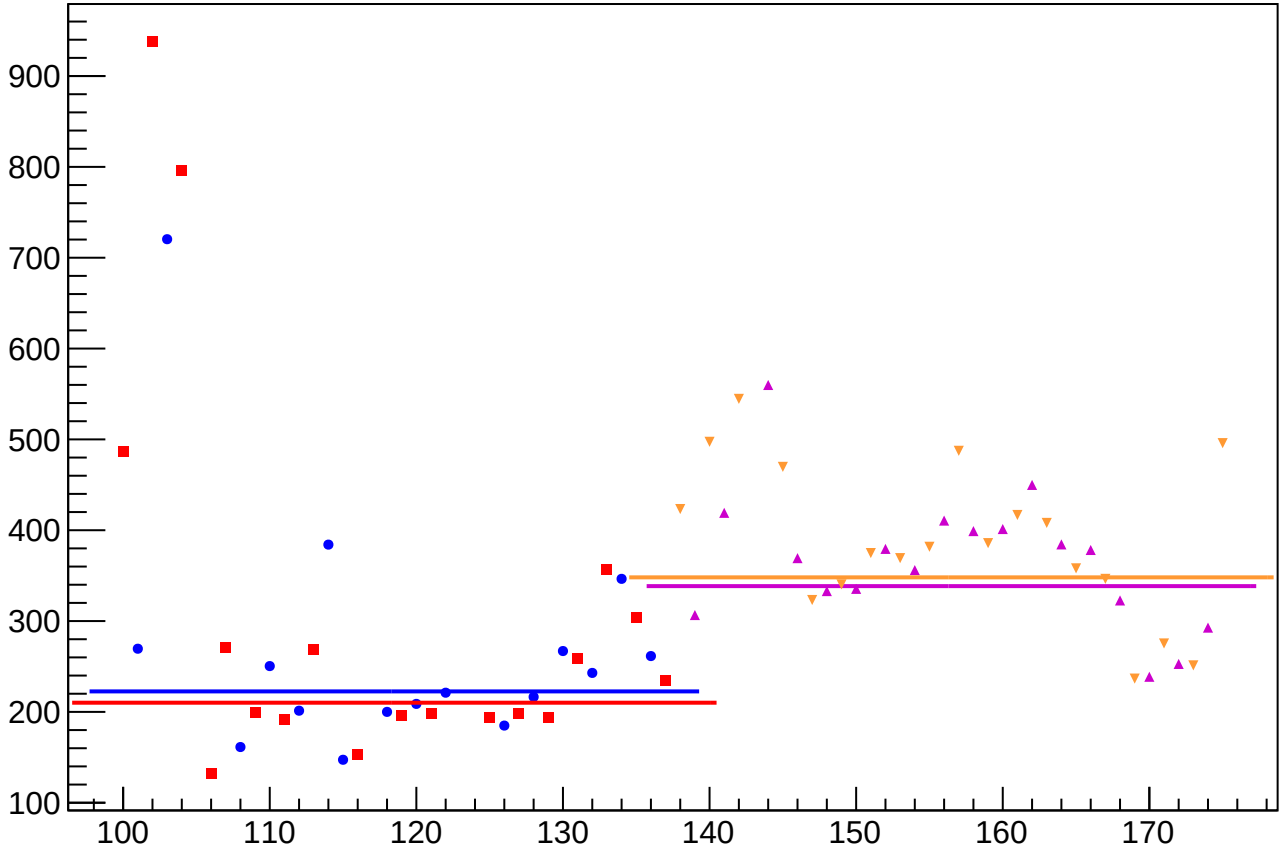
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.040+/-0.045 χ^2/NDF: 96.9/70

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 348.116+/-0.066 χ^2/NDF:1479589.6/18

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

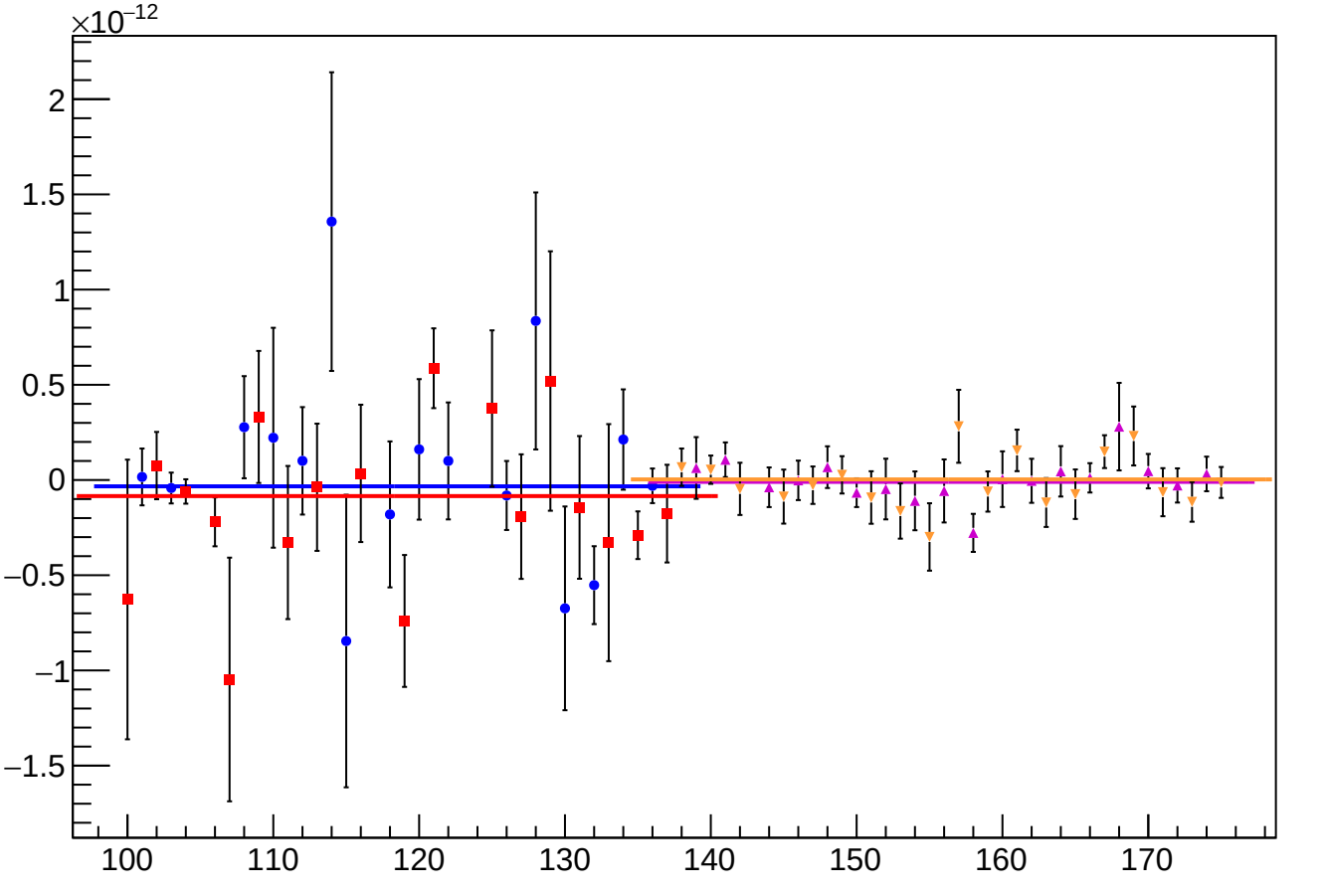
Left: 343.145+/-0.046 χ^2/NDF: 2637036.5/36

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 278.990+/-0.045 χ^2/NDF:3829254.2/33

Out: 274.259+/-0.045 χ^2/NDF:5343955.0/36

All: 276.641+/-0.032 χ^2/NDF: 9178720.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/17

Left: -0.000+/-0.000 χ^2/NDF: 31.9/36

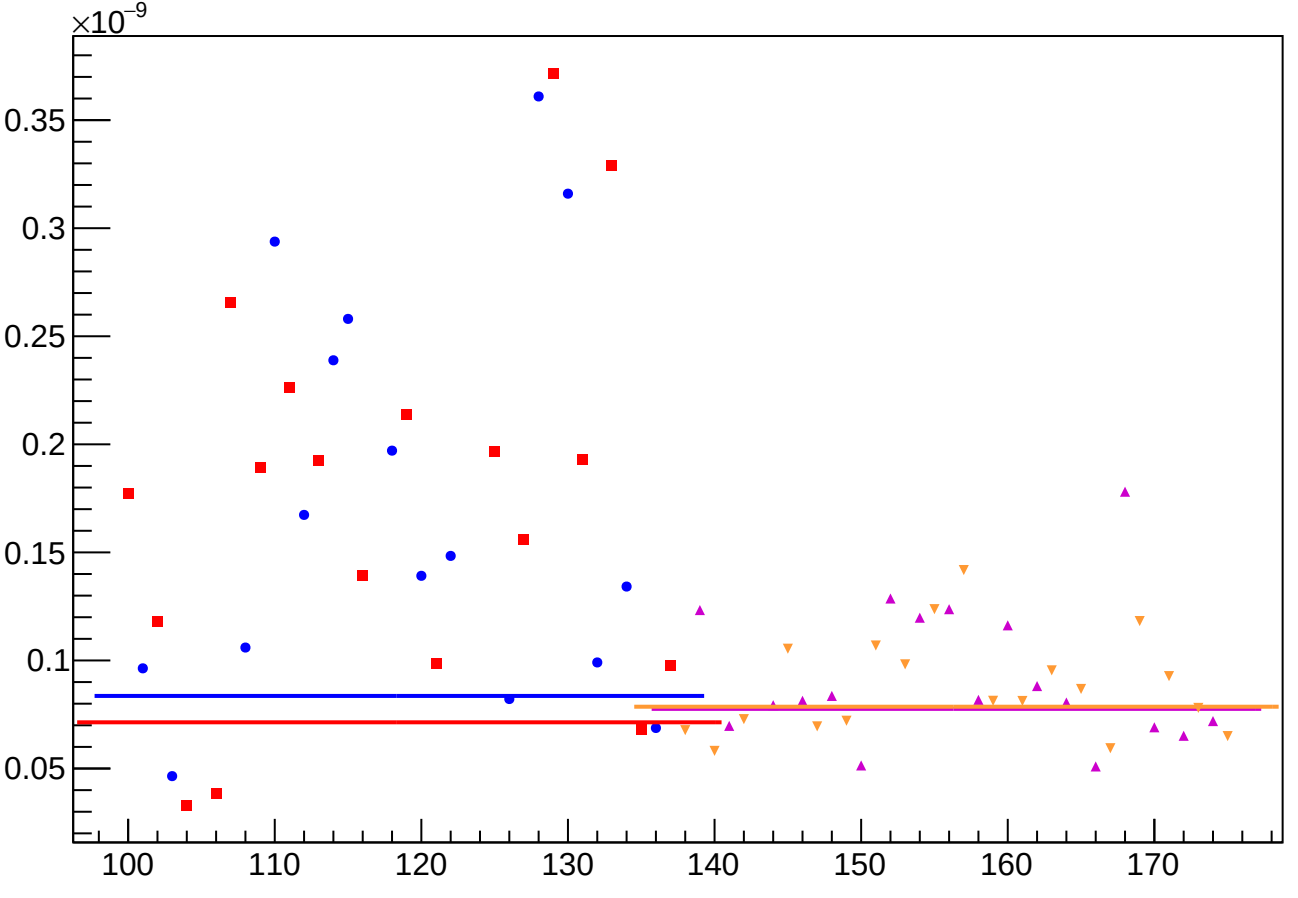
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:30.6/33

Out: -0.000+/-0.000 χ^2/NDF:47.4/36

All: -0.000+/-0.000 χ^2/NDF: 78.0/70

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1101795.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1779461.9/17

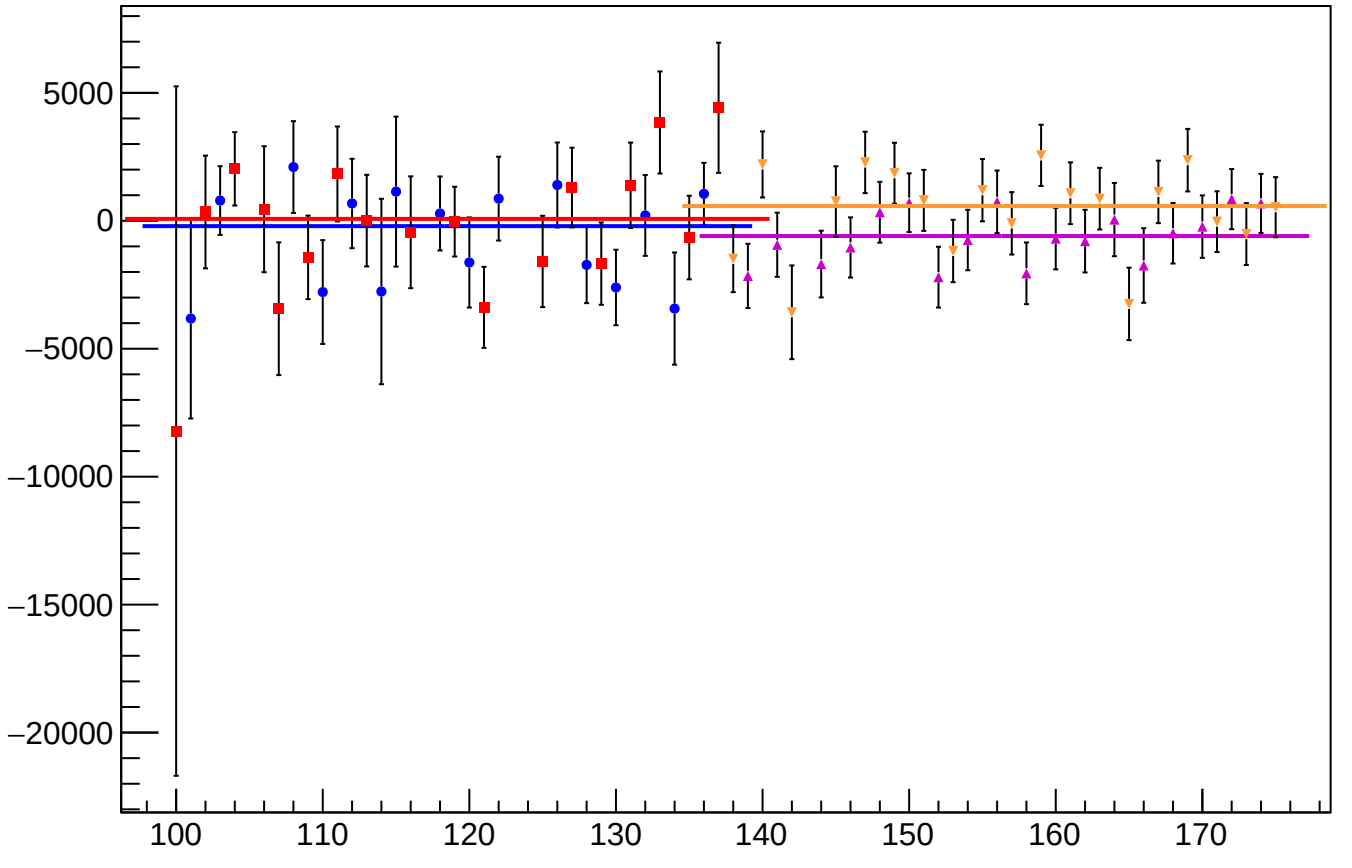
Left: 0.000+/-0.000 χ^2/NDF: 2882796.6/36

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:4039964.7/33

Out: 0.000+/-0.000 χ^2/NDF:4886797.2/36

All: 0.000+/-0.000 χ^2/NDF: 8936111.8/70



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.208+/-286.595 χ^2/NDF:28.8/18

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -594.920+/-288.575 χ^2/NDF:12.6/17

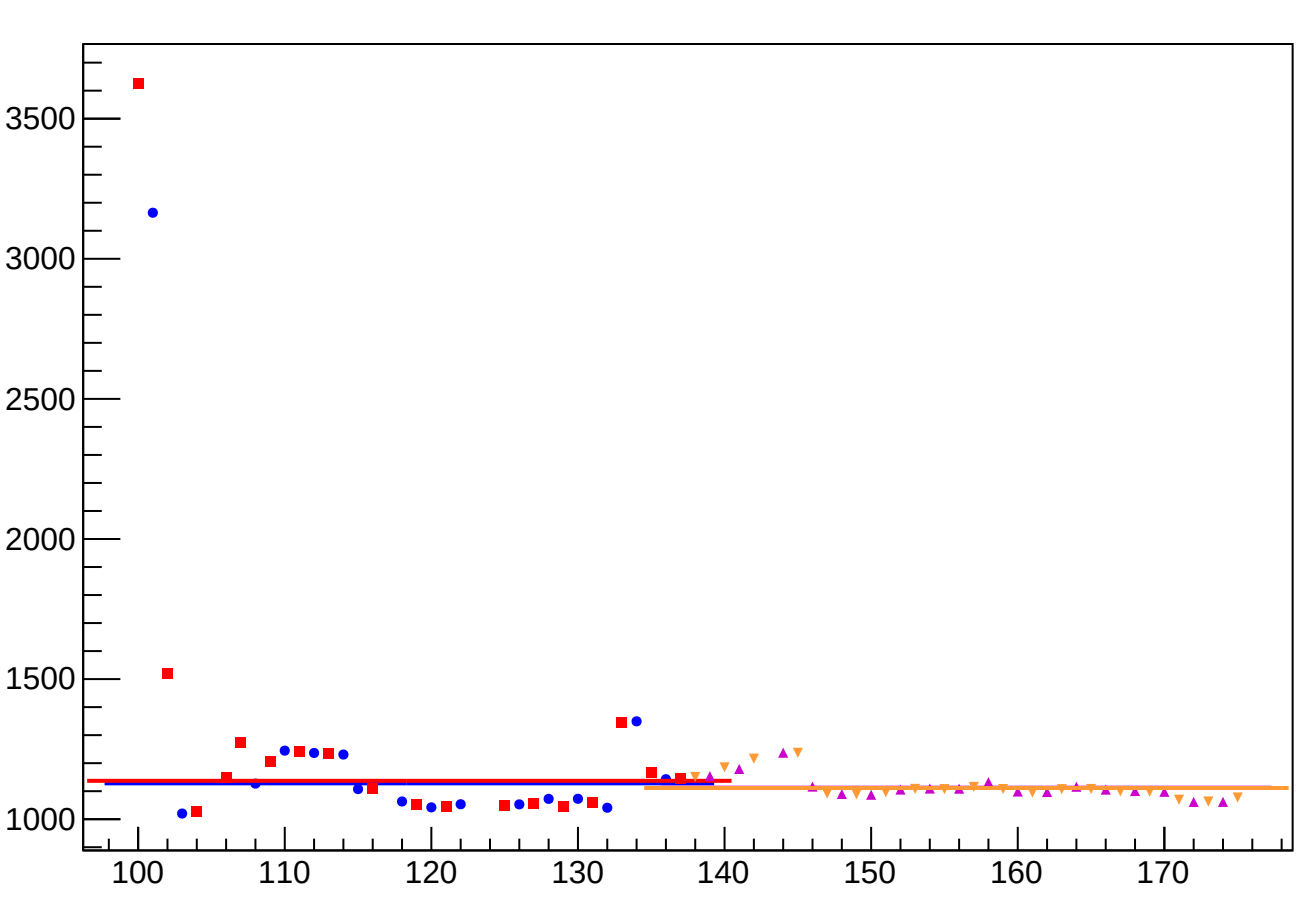
Left: -4.318+/-203.350 χ^2/NDF: 49.7/36

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -474.550+/-239.470 χ^2/NDF:27.9/33

Out: 423.996+/-238.609 χ^2/NDF:50.4/36

All: -23.659+/-169.026 χ^2/NDF: 85.4/70



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

Left: 1111.939+/-0.144 χ^2/NDF: 78645.3/36

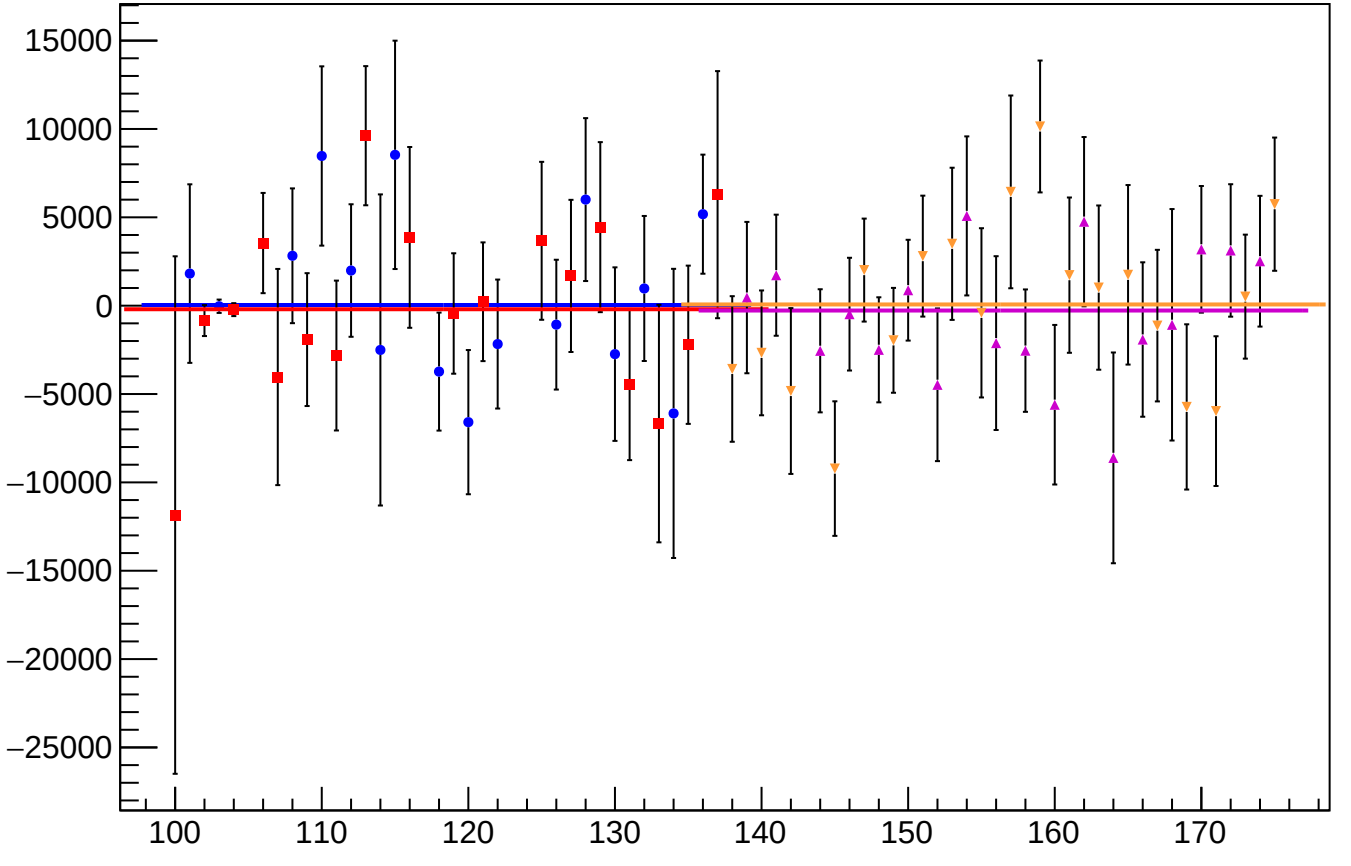
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1117.342+/-0.169 χ^2/NDF:660349.0/33

Out: 1119.265+/-0.169 χ^2/NDF:266491.9/36

All: 1118.307+/-0.119 χ^2/NDF: 926905.7/70

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 68.839+/-906.296 χ^2/NDF:25.5/18

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -274.569+/-911.838 χ^2/NDF:11.4/17

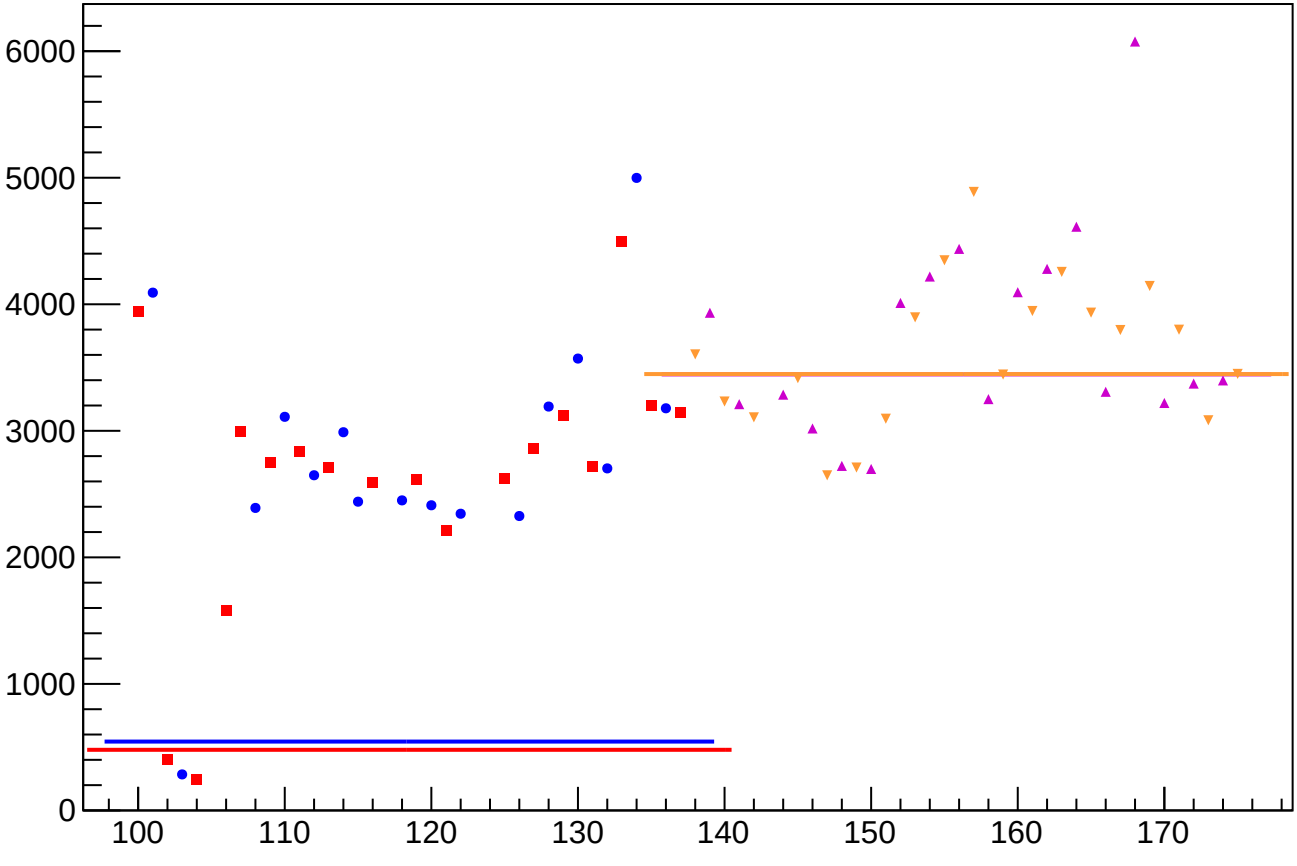
Left: -101.819+/-642.798 χ^2/NDF: 37.0/36

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -3.416+/-332.955 χ^2/NDF:26.3/33

Out: -171.234+/-303.874 χ^2/NDF:41.2/36

All: -94.972+/-224.450 χ^2/NDF: 67.7/70



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3448.464+/-0.641 χ^2/NDF:745899.8/18

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3445.740+/-0.645 χ^2/NDF:1024172.2/17

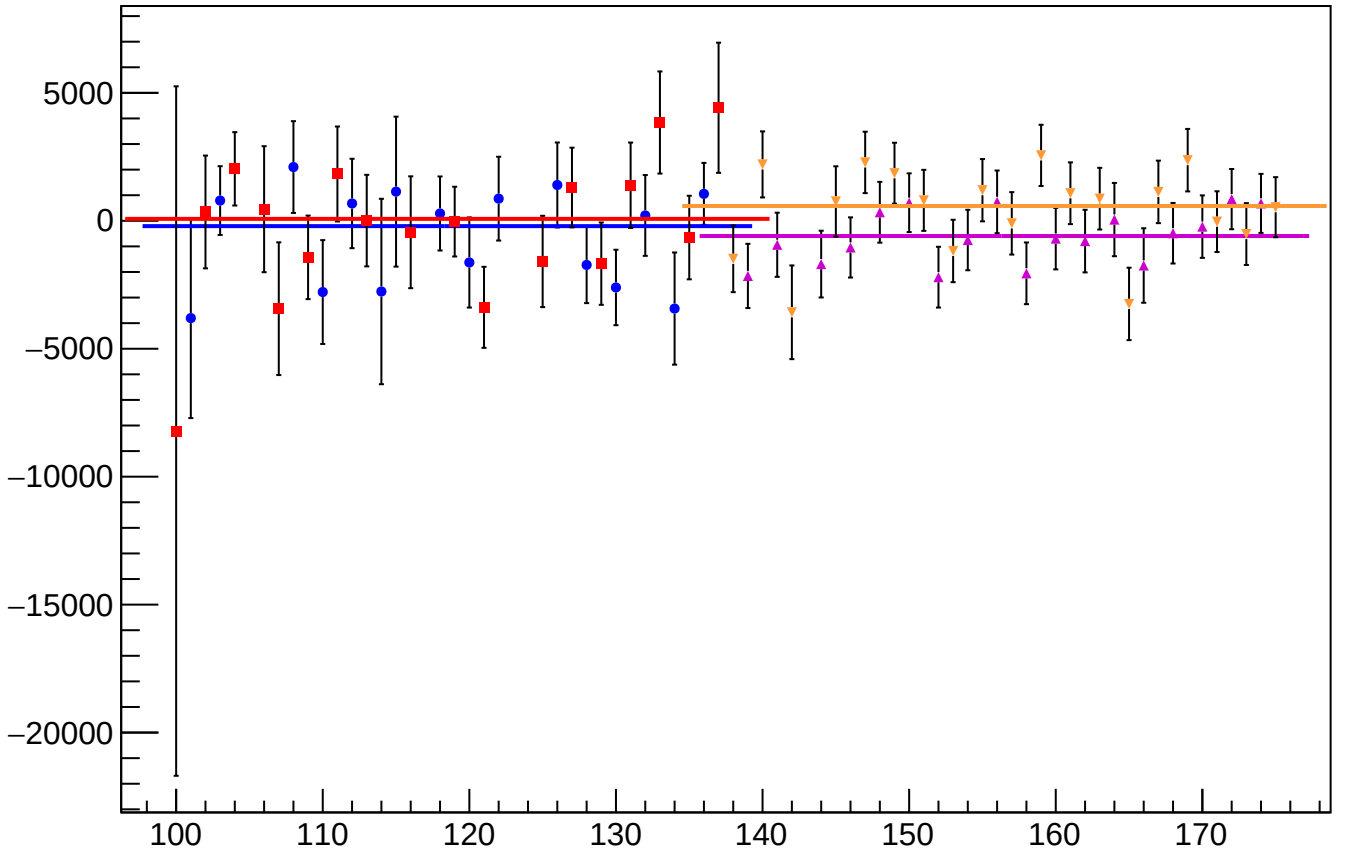
Left: 3447.110+/-0.455 χ^2/NDF: 1770080.9/36

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 931.188+/-0.235 χ^2/NDF:28256599.4/33

Out: 813.055+/-0.215 χ^2/NDF:28987597.6/36

All: 866.738+/-0.159 χ^2/NDF: 57381555.4/70



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.265+/-286.595 χ^2/NDF:28.8/18

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -594.911+/-288.575 χ^2/NDF:12.6/17

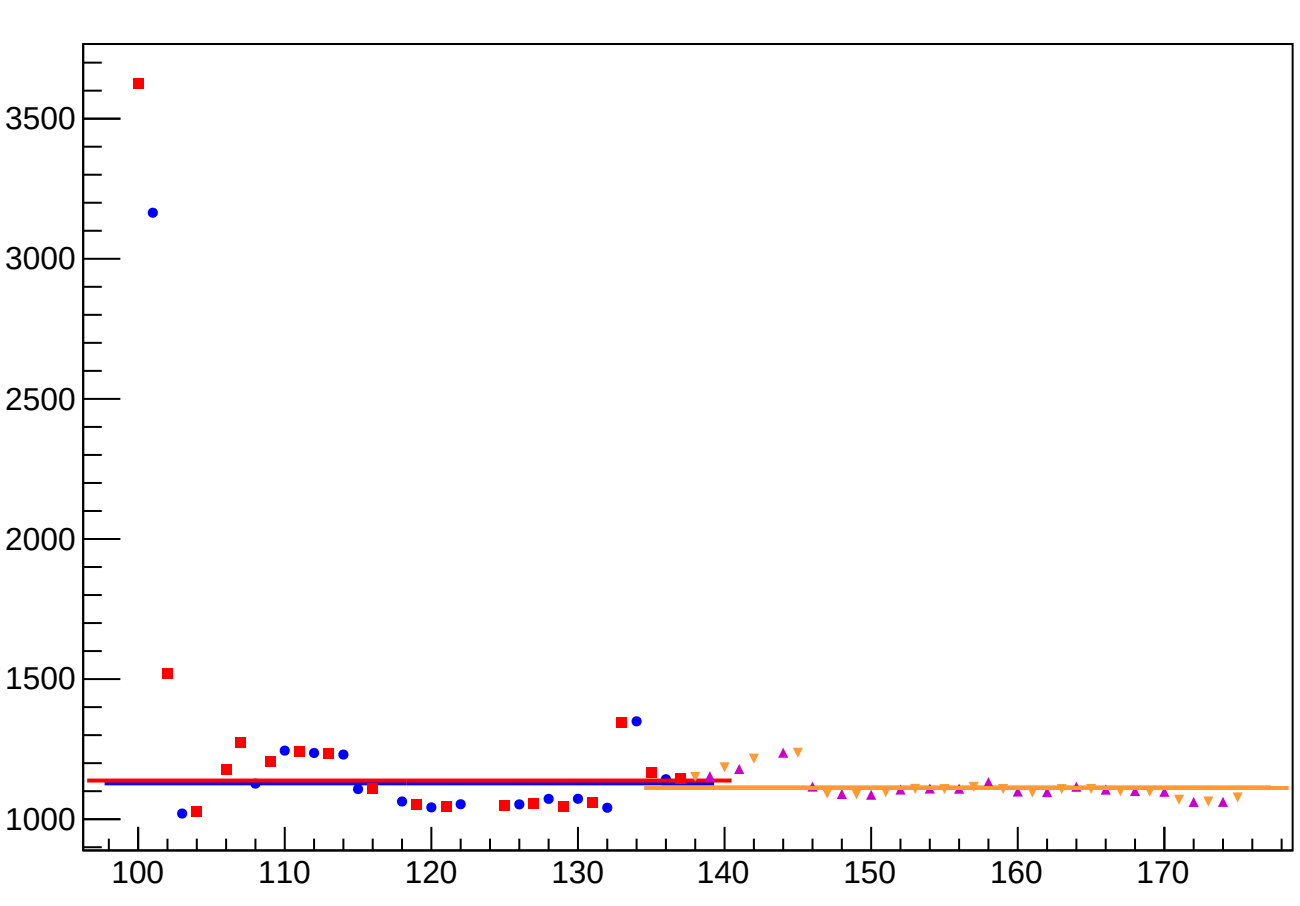
Left: -4.285+/-203.350 χ^2/NDF: 49.7/36

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -474.473+/-239.470 χ^2/NDF:27.9/33

Out: 424.080+/-238.609 χ^2/NDF:50.4/36

All: -23.578+/-169.026 χ^2/NDF: 85.4/70



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

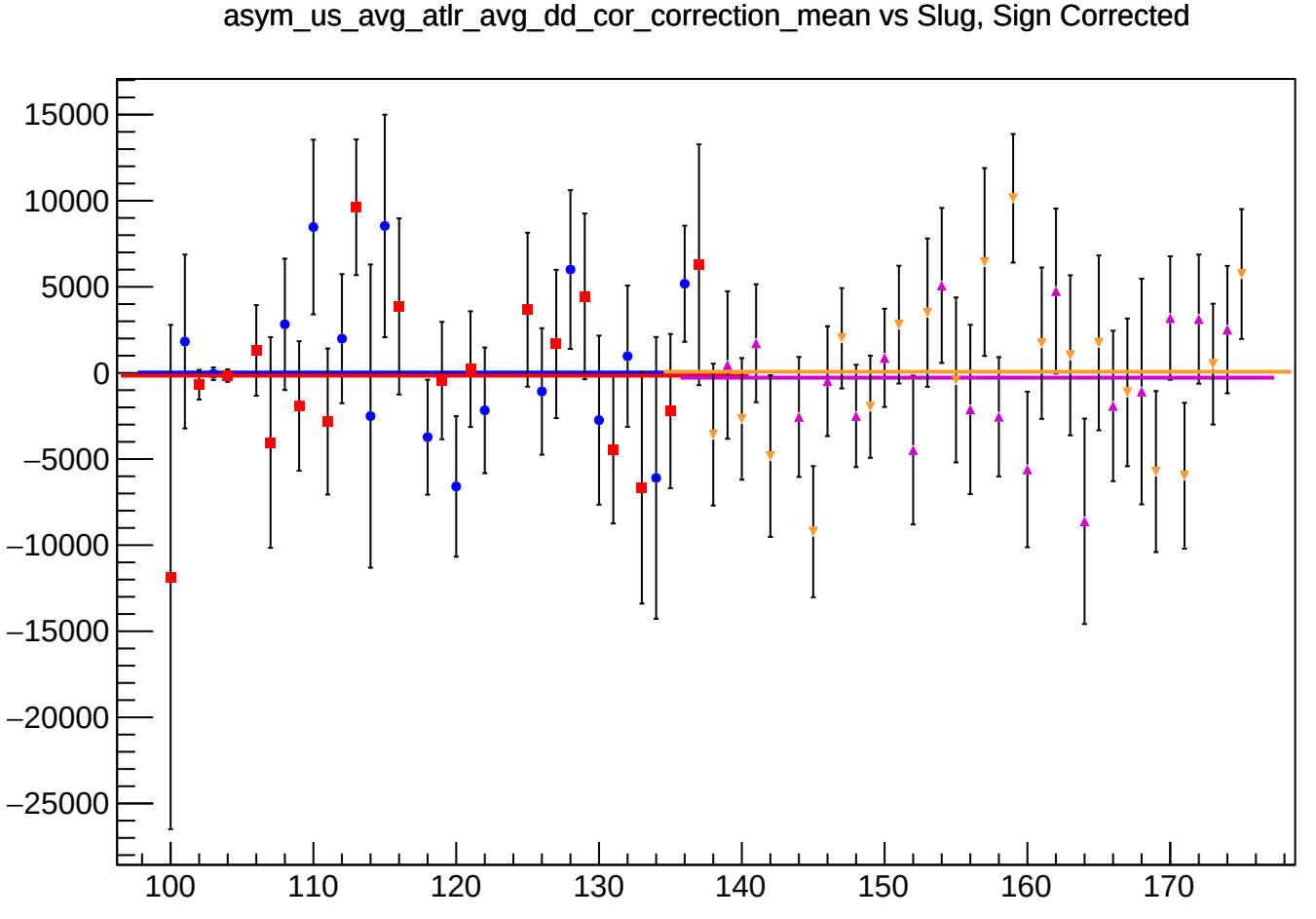
Left: 1111.939+/-0.144 χ^2/NDF: 78645.3/36

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1117.341+/-0.169 χ^2/NDF:660350.1/33

Out: 1119.545+/-0.169 χ^2/NDF:267396.5/36

All: 1118.448+/-0.120 χ^2/NDF: 927831.6/70



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 68.892+/-906.296 χ^2/NDF:25.5/18

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -274.588+/-911.837 χ^2/NDF:11.4/17

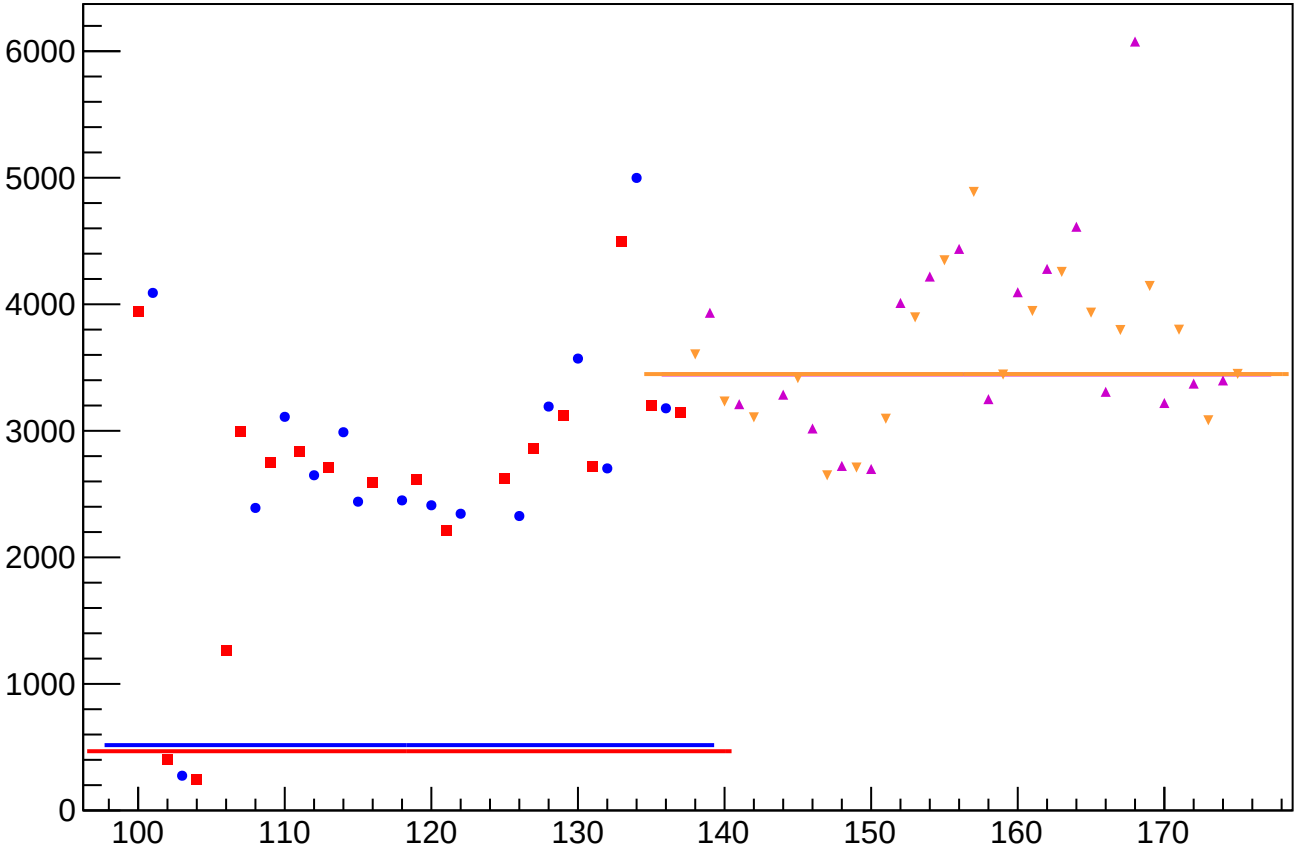
Left: -101.801+/-642.798 χ^2/NDF: 37.0/36

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -15.362+/-322.288 χ^2/NDF:26.3/33

Out: -131.640+/-299.533 χ^2/NDF:39.5/36

All: -77.751+/-219.405 χ^2/NDF: 66.0/70



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

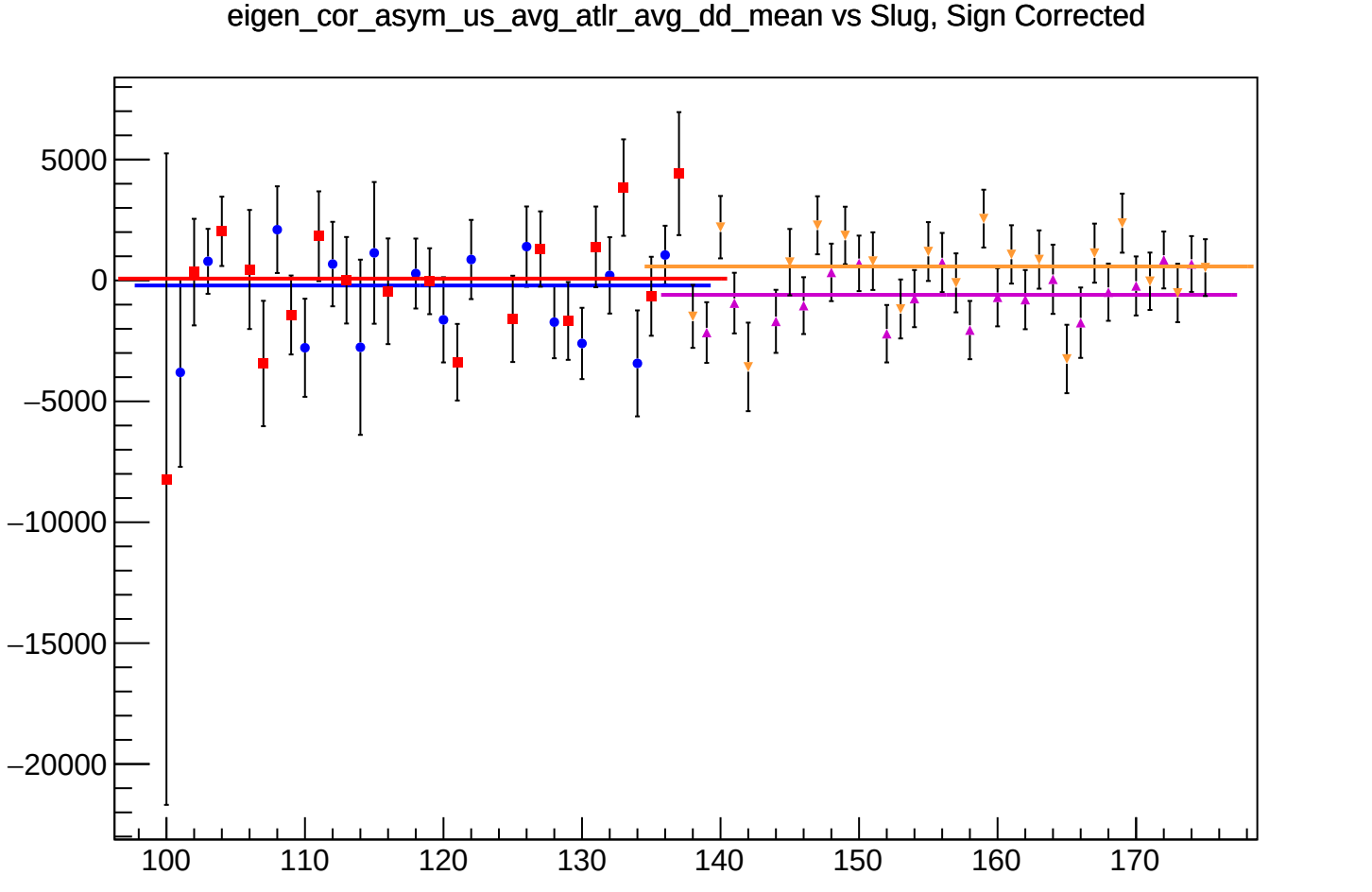
Left: 3447.110+/-0.455 χ^2/NDF: 1770092.6/36

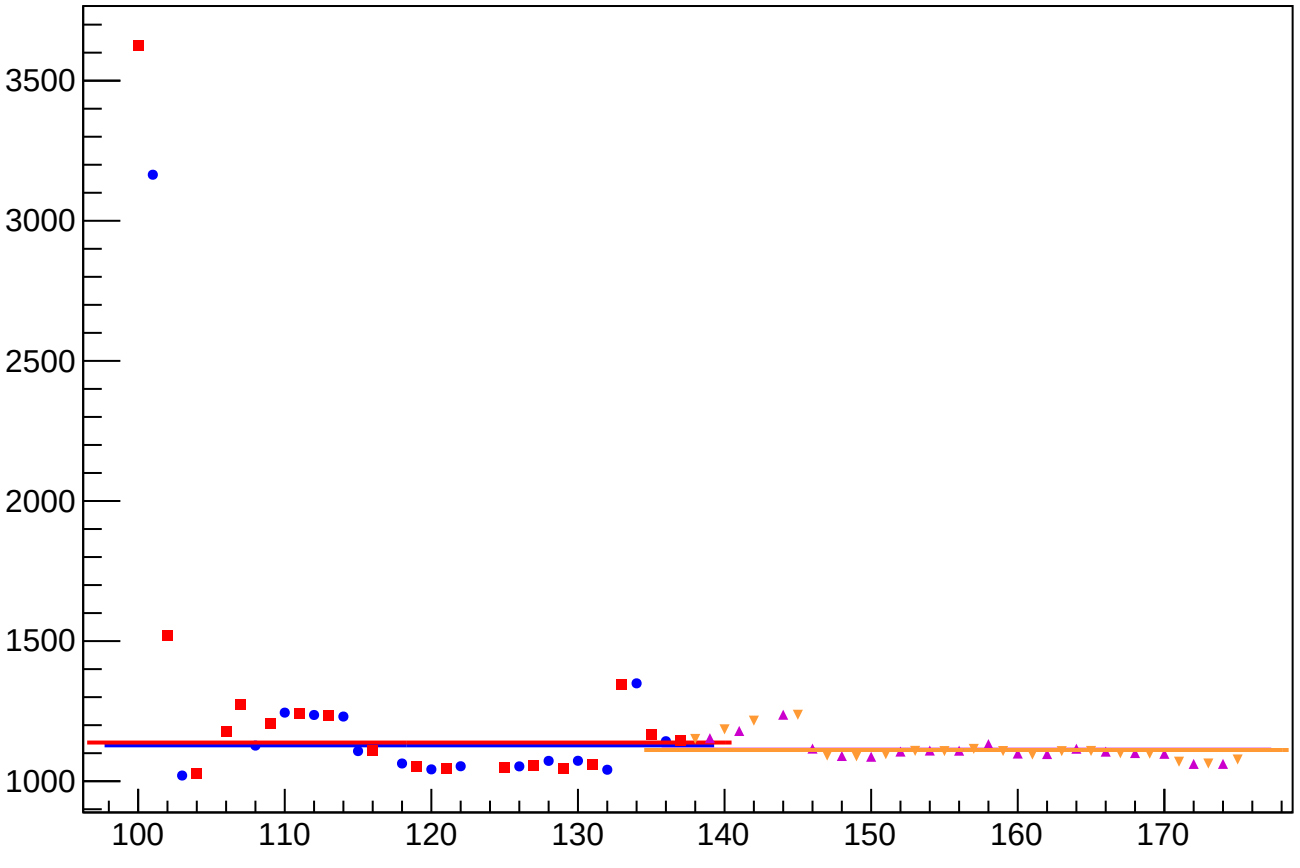
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 882.260+/-0.228 χ^2/NDF:28922674.1/33

Out: 793.615+/-0.212 χ^2/NDF:29123745.6/36

All: 834.698+/-0.155 χ^2/NDF: 58127601.8/70


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 578.265+/-286.595 χ²/NDF:28.8/18
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -594.911+/-288.575 χ²/NDF:12.6/17
Left: -4.285+/-203.350 χ²/NDF: 49.7/36
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -474.473+/-239.470 χ²/NDF:27.9/33
Out: 424.080+/-238.609 χ²/NDF:50.4/36
All: -23.578+/-169.026 χ²/NDF: 85.4/70



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

Left: 1111.939+/-0.144 χ^2/NDF: 78645.3/36

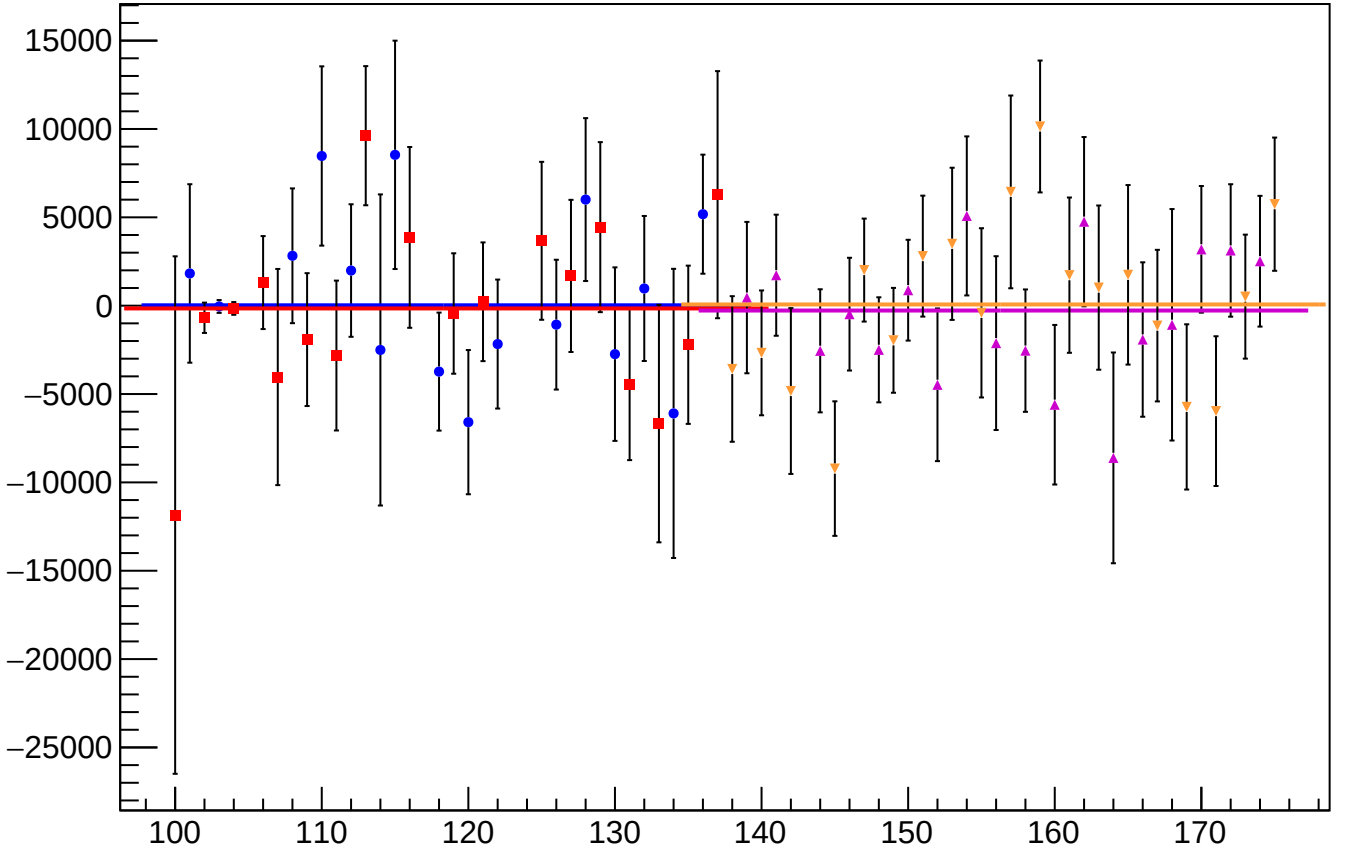
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1117.341+/-0.169 χ^2/NDF:660350.1/33

Out: 1119.545+/-0.169 χ^2/NDF:267396.5/36

All: 1118.448+/-0.120 χ^2/NDF: 927831.6/70

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 68.892+/-906.296 χ^2/NDF:25.5/18

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -274.588+/-911.837 χ^2/NDF:11.4/17

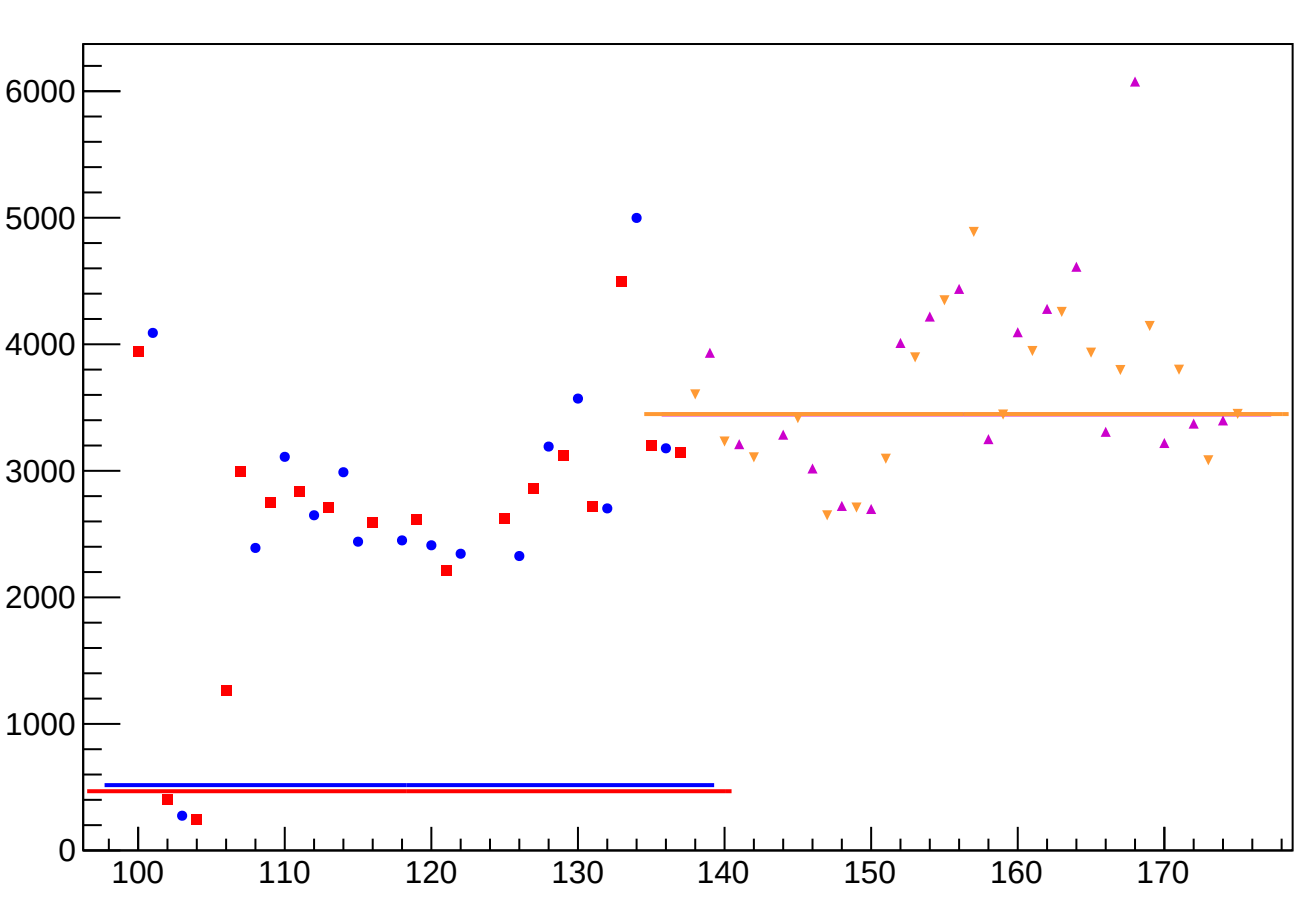
Left: -101.801+/-642.798 χ^2/NDF: 37.0/36

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -15.362+/-322.288 χ^2/NDF:26.3/33

Out: -131.640+/-299.533 χ^2/NDF:39.5/36

All: -77.751+/-219.405 χ^2/NDF: 66.0/70



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

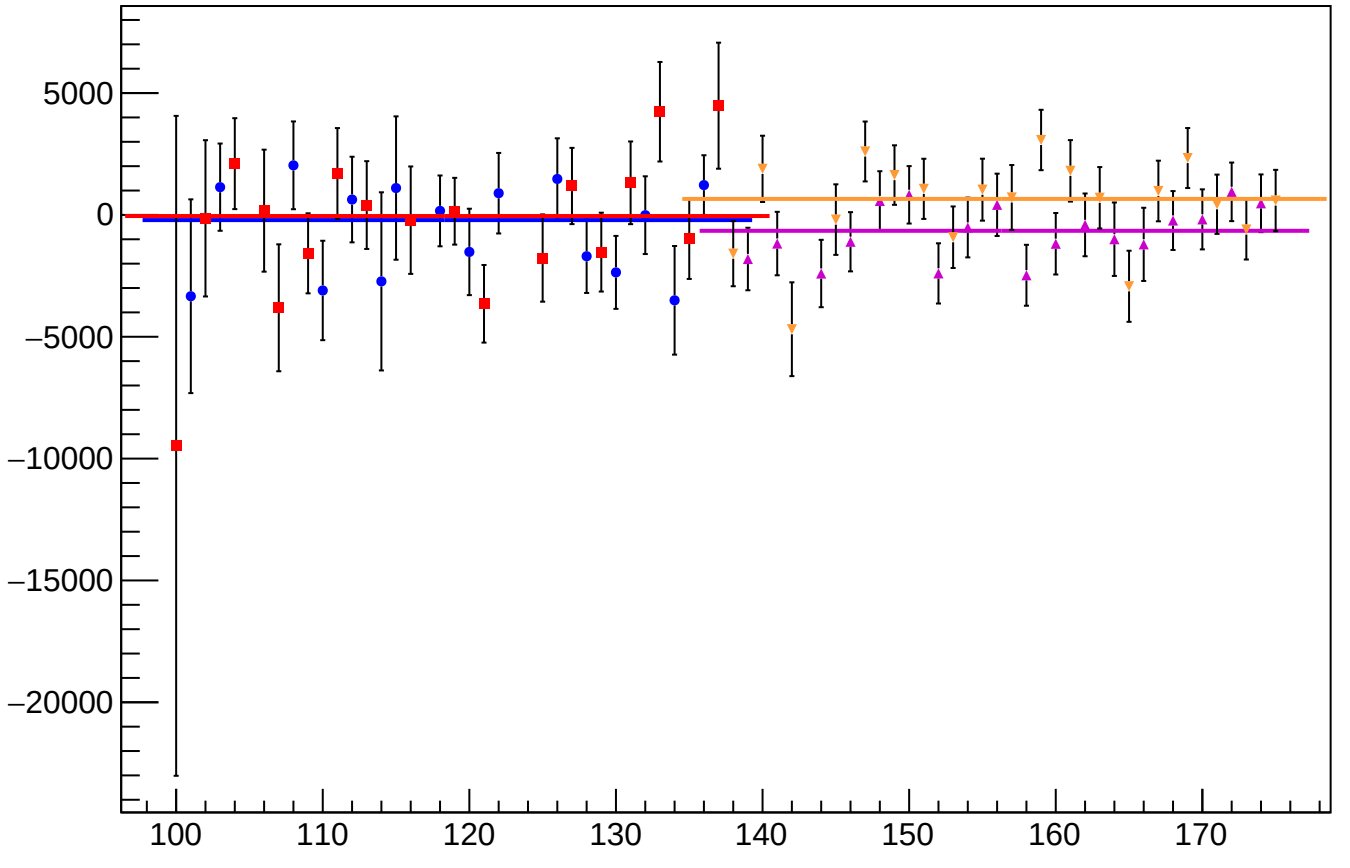
Left: 3447.110+/-0.455 χ^2/NDF: 1770092.6/36

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 882.260+/-0.228 χ^2/NDF:28922674.1/33

Out: 793.615+/-0.212 χ^2/NDF:29123745.6/36

All: 834.698+/-0.155 χ^2/NDF: 58127601.8/70



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -651.795+/-298.502 χ^2/NDF:13.5/17

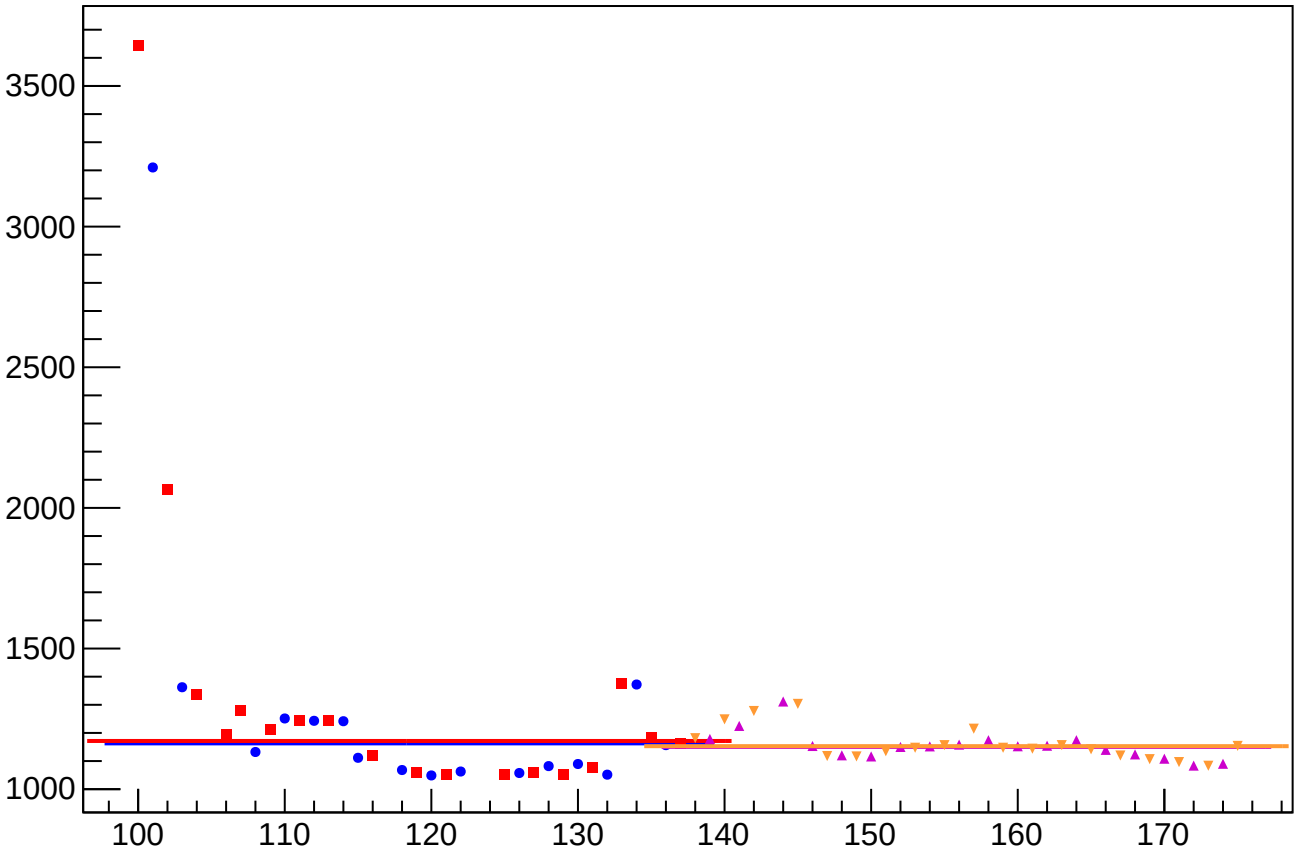
Left: 4.920+/-210.709 χ^2/NDF: 53.4/36

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -514.668+/-247.493 χ^2/NDF:28.5/33

Out: 441.595+/-247.686 χ^2/NDF:53.7/36

All: -36.908+/-175.072 χ^2/NDF: 89.6/70



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1152.889+/-0.210 χ^2/NDF:64220.9/18

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.350+/-0.211 χ^2/NDF:53628.9/17

Left: 1151.624+/-0.149 χ^2/NDF: 117922.4/36

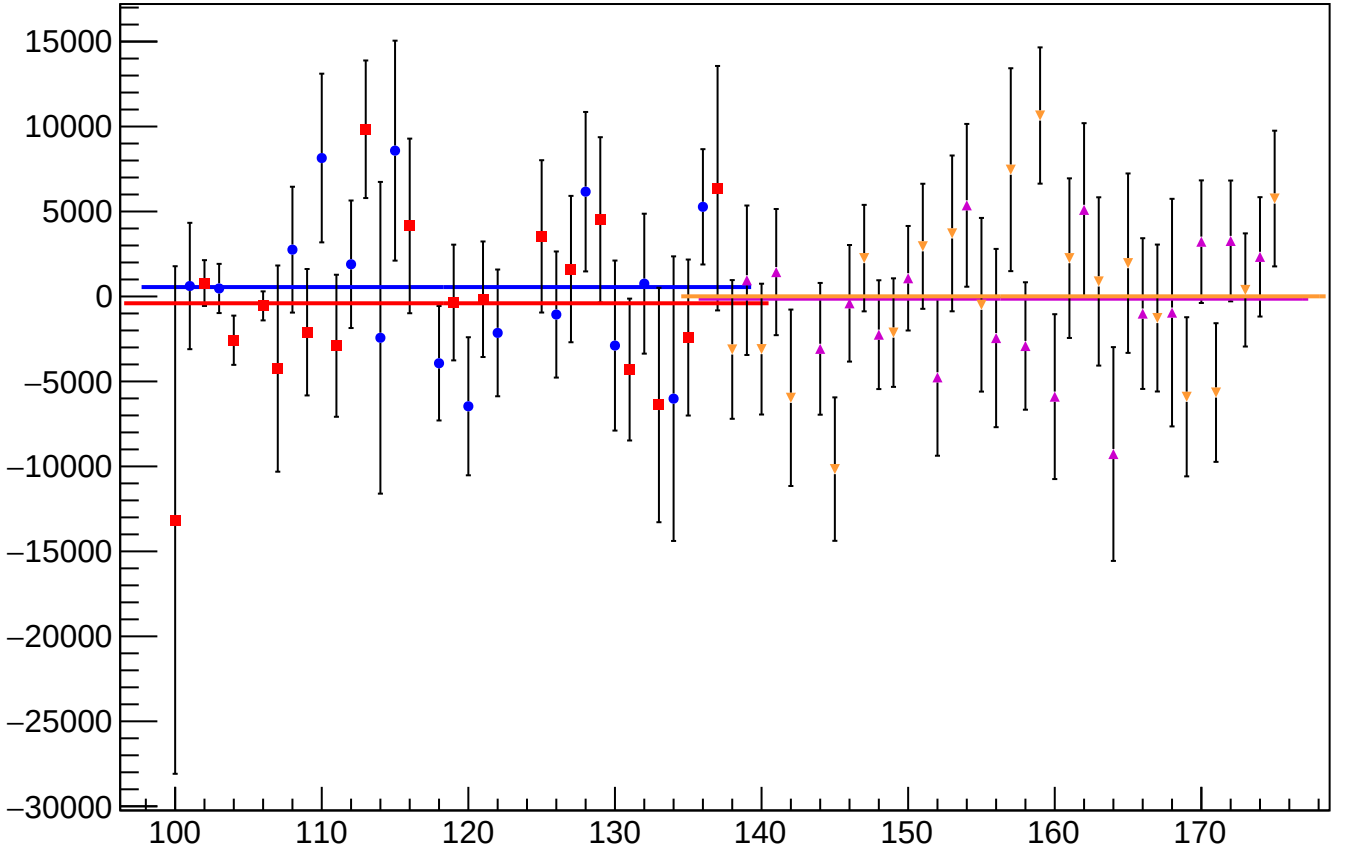
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1154.257+/-0.175 χ^2/NDF:690078.8/33

Out: 1158.577+/-0.175 χ^2/NDF:398244.0/36

All: 1156.416+/-0.124 χ^2/NDF: 1088627.3/70

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 7.804+/-951.368 χ^2/NDF:25.3/18

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -131.489+/-956.295 χ^2/NDF:11.4/17

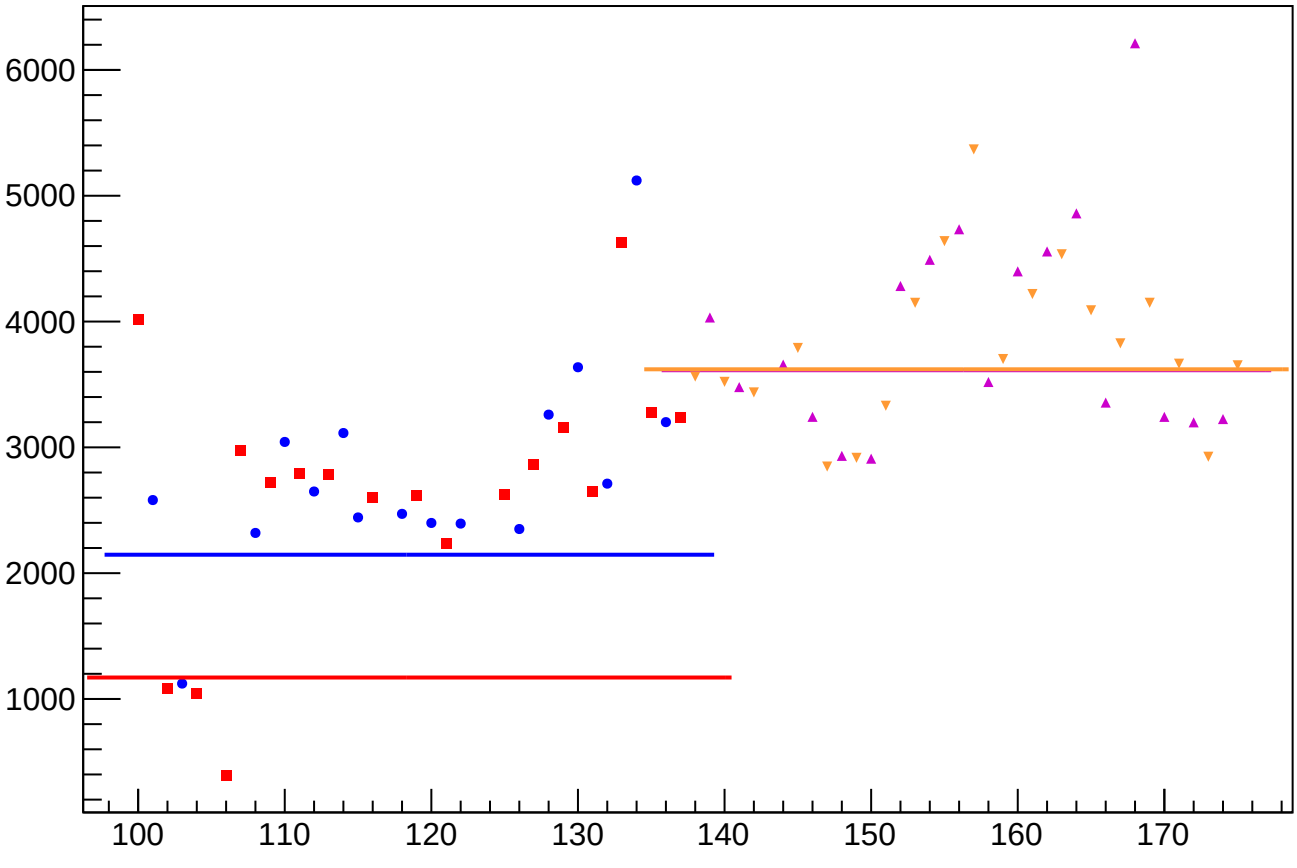
Left: -61.483+/-674.454 χ^2/NDF: 36.7/36

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 241.157+/-645.198 χ^2/NDF:26.1/33

Out: -293.748+/-486.343 χ^2/NDF:42.1/36

All: -99.938+/-388.367 χ^2/NDF: 68.6/70



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3620.467+/-0.673 χ^2/NDF:750986.2/18

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3613.079+/-0.676 χ^2/NDF:1021325.9/17

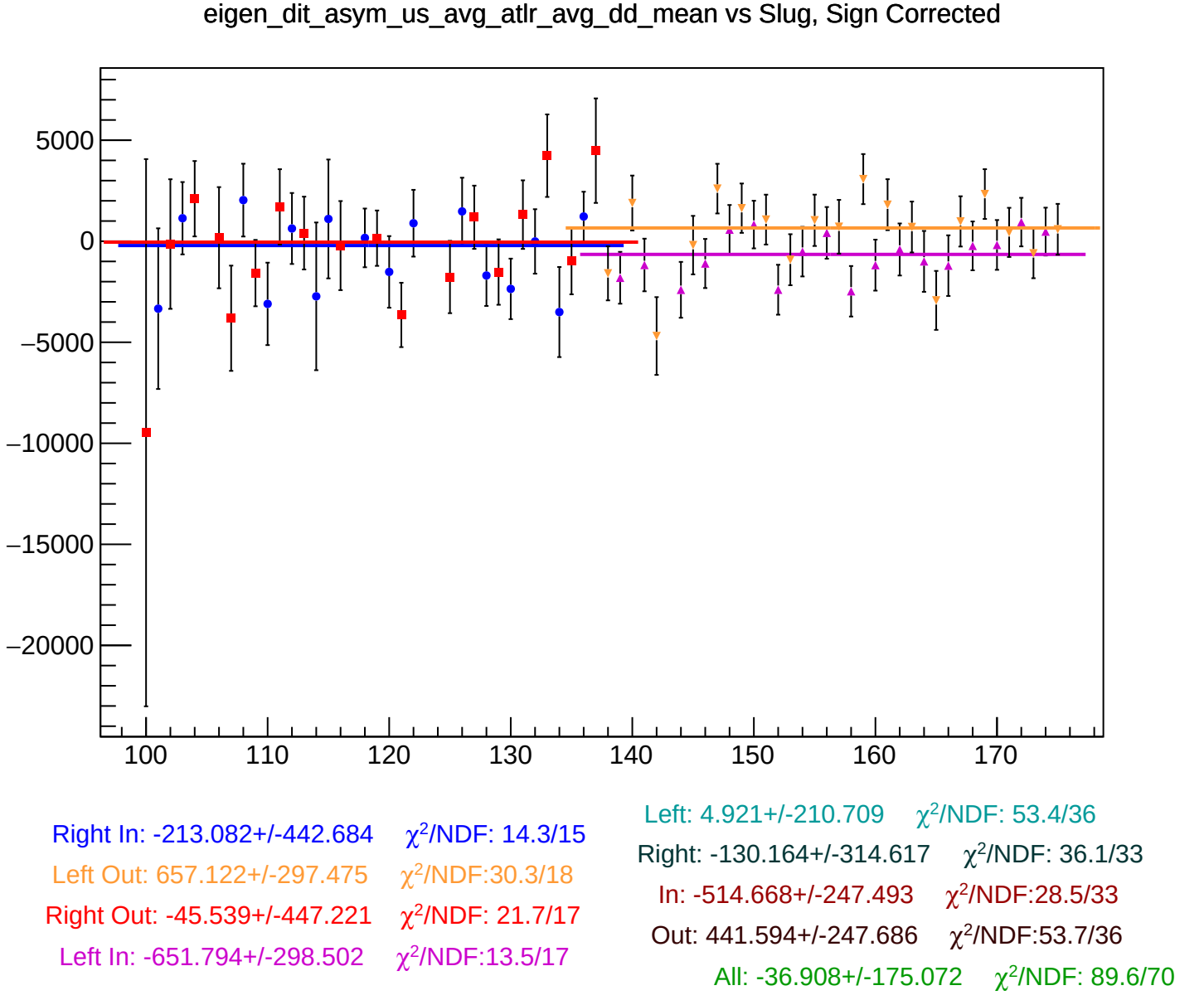
Left: 3616.792+/-0.477 χ^2/NDF: 1772372.1/36

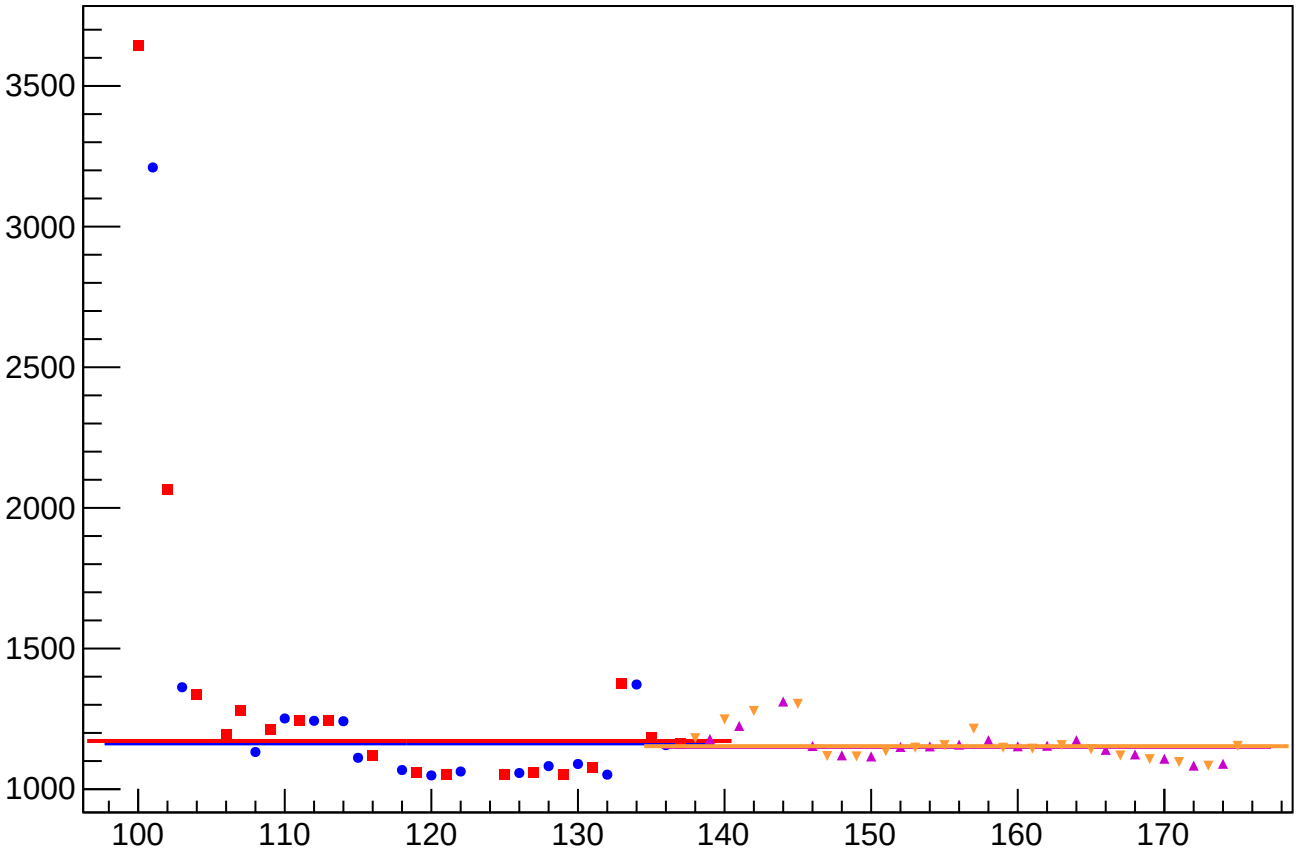
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2814.151+/-0.456 χ^2/NDF:5558319.2/33

Out: 1810.803+/-0.344 χ^2/NDF:16365130.7/36

All: 2174.341+/-0.275 χ^2/NDF: 25007675.1/7


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 657.122+/-297.475 χ²/NDF:30.3/18
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -651.794+/-298.502 χ²/NDF:13.5/17
Left: 4.921+/-210.709 χ²/NDF: 53.4/36
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -514.668+/-247.493 χ²/NDF:28.5/33
Out: 441.594+/-247.686 χ²/NDF:53.7/36
All: -36.908+/-175.072 χ²/NDF: 89.6/70



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1152.890+/-0.210 χ^2/NDF:64222.3/18

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.350+/-0.211 χ^2/NDF:53629.9/17

Left: 1151.624+/-0.149 χ^2/NDF: 117924.9/36

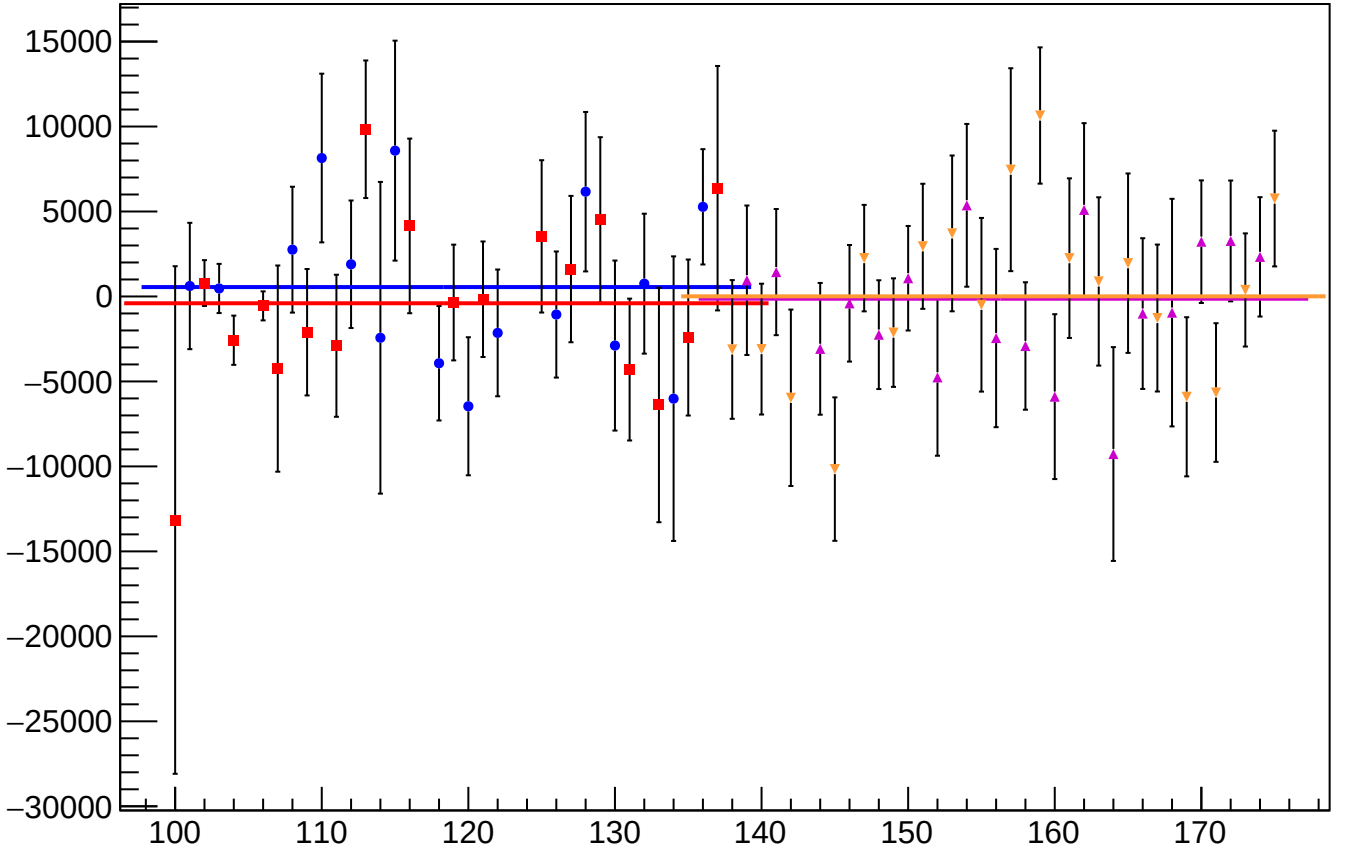
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1154.258+/-0.175 χ^2/NDF:690079.9/33

Out: 1158.578+/-0.175 χ^2/NDF:398244.8/36

All: 1156.416+/-0.124 χ^2/NDF: 1088629.2/70

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 7.803+/-951.369 χ^2/NDF:25.3/18

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -131.487+/-956.296 χ^2/NDF:11.4/17

Left: -61.482+/-674.455 χ^2/NDF: 36.7/36

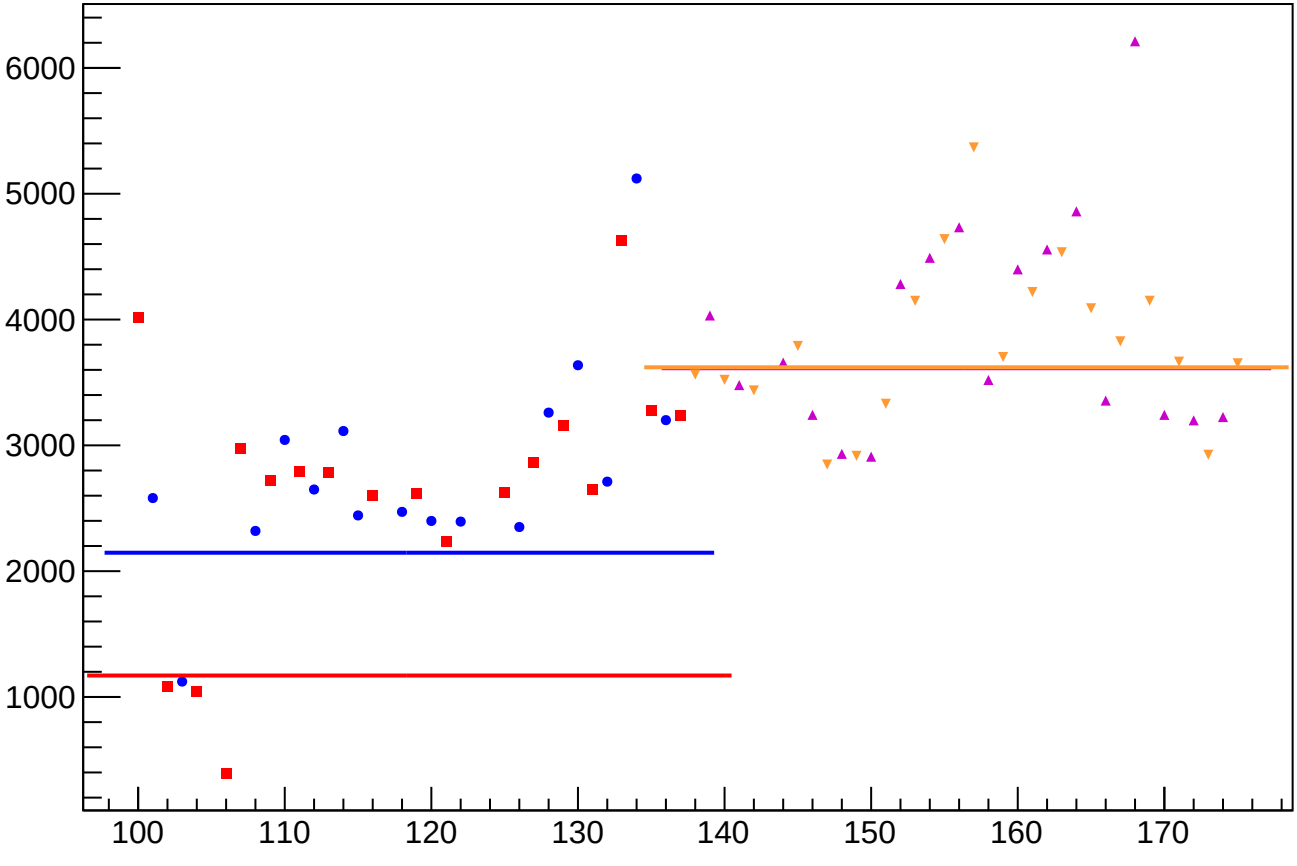
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 241.155+/-645.198 χ^2/NDF:26.1/33

Out: -293.751+/-486.339 χ^2/NDF:42.1/36

All: -99.943+/-388.365 χ^2/NDF: 68.6/70

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3620.472+/-0.673 χ^2/NDF:750986.9/18

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3613.083+/-0.676 χ^2/NDF:1021327.6/17

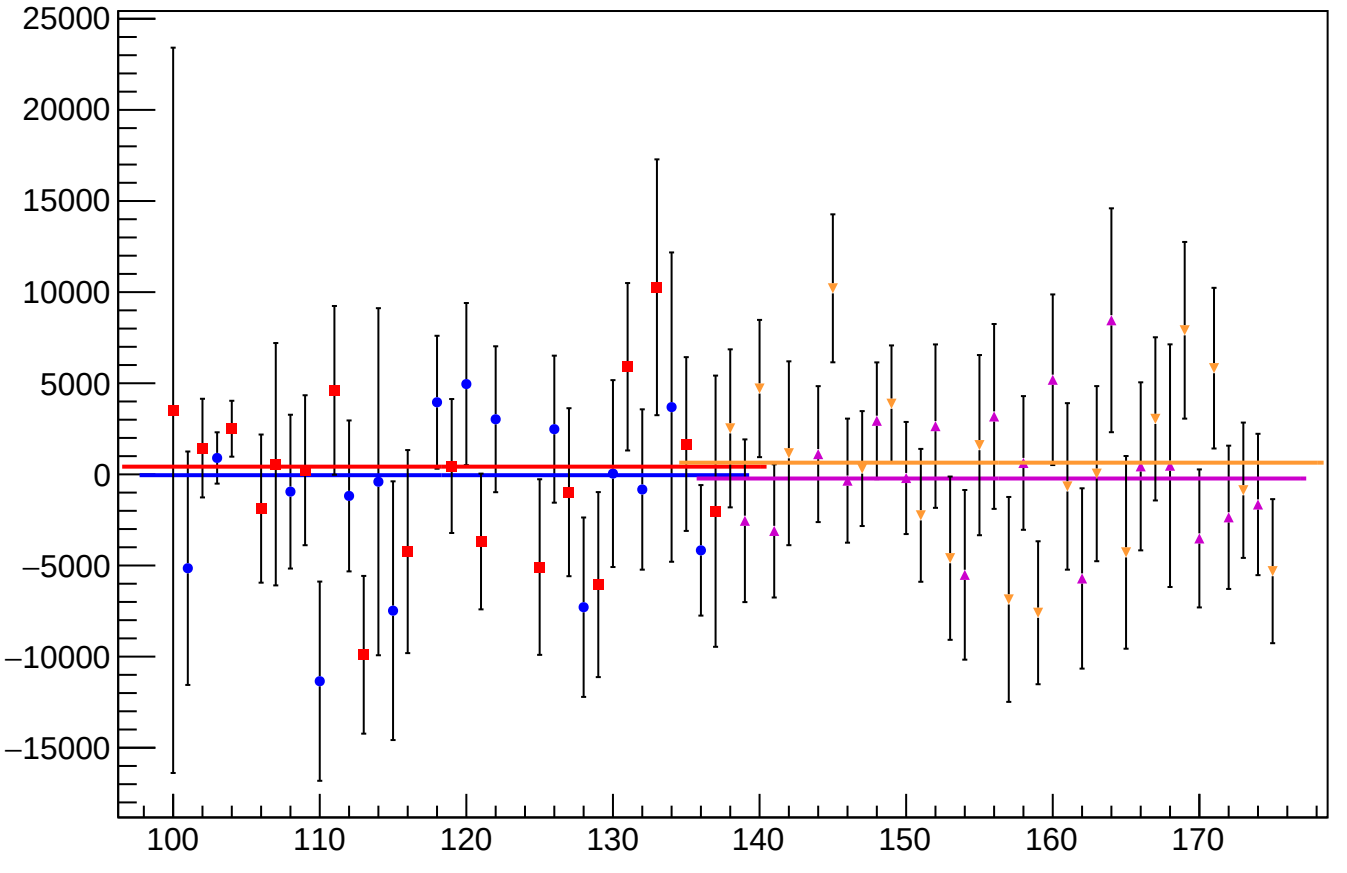
Left: 3616.797+/-0.477 χ^2/NDF: 1772374.5/36

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2814.149+/-0.456 χ^2/NDF:5558343.7/33

Out: 1810.774+/-0.344 χ^2/NDF:16365525.4/36

All: 2174.318+/-0.275 χ^2/NDF: 25008279.1/7



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 642.227+/-956.907 χ^2/NDF:23.5/18

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -226.936+/-962.719 χ^2/NDF:10.0/17

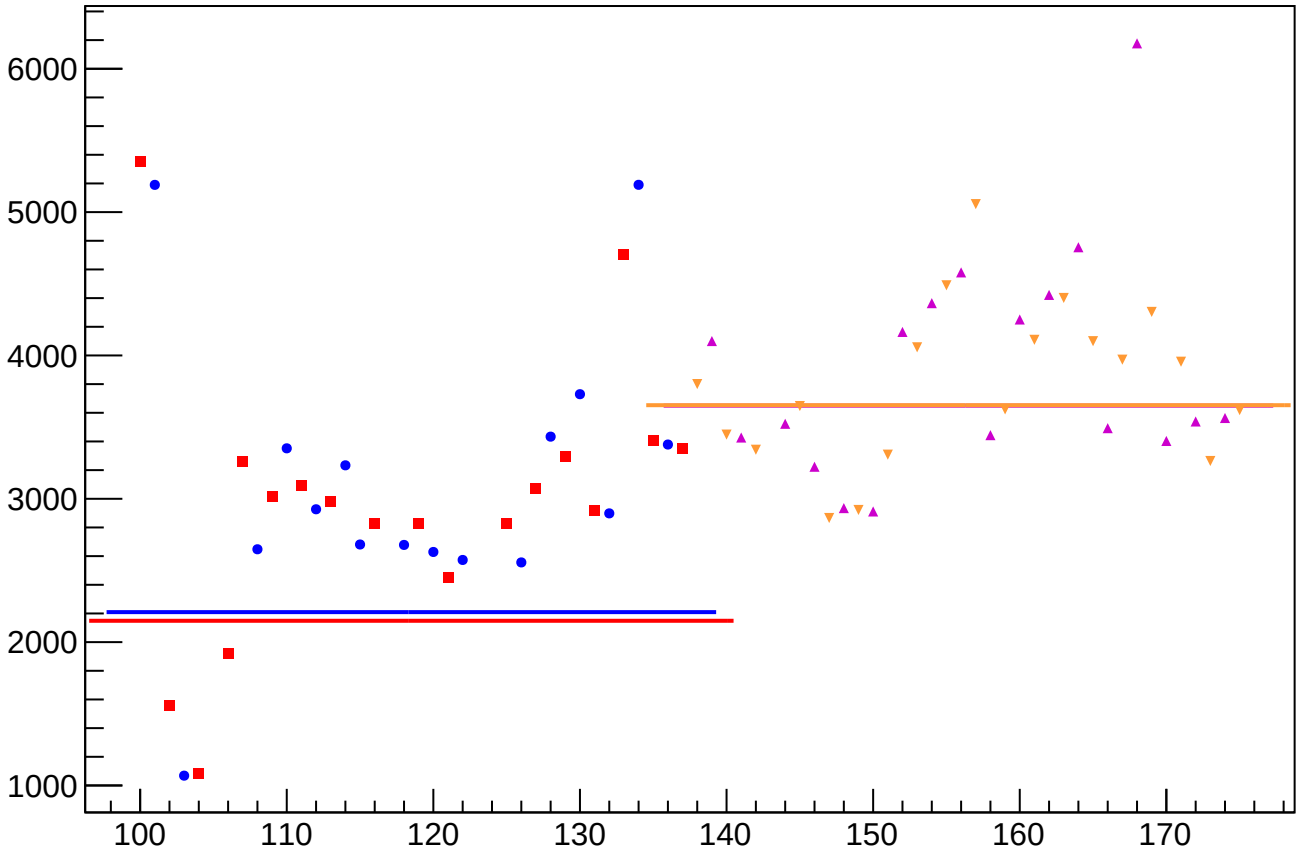
Left: 210.277+/-678.681 χ^2/NDF: 33.9/36

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -131.849+/-665.406 χ^2/NDF:23.8/33

Out: 525.758+/-654.327 χ^2/NDF:40.9/36

All: 202.475+/-466.547 χ^2/NDF: 65.1/70



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3652.993+/-0.677 χ^2/NDF:621307.9/18

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3649.602+/-0.681 χ^2/NDF:871269.3/17

Left: 3651.308+/-0.480 χ^2/NDF: 1492589.8/36

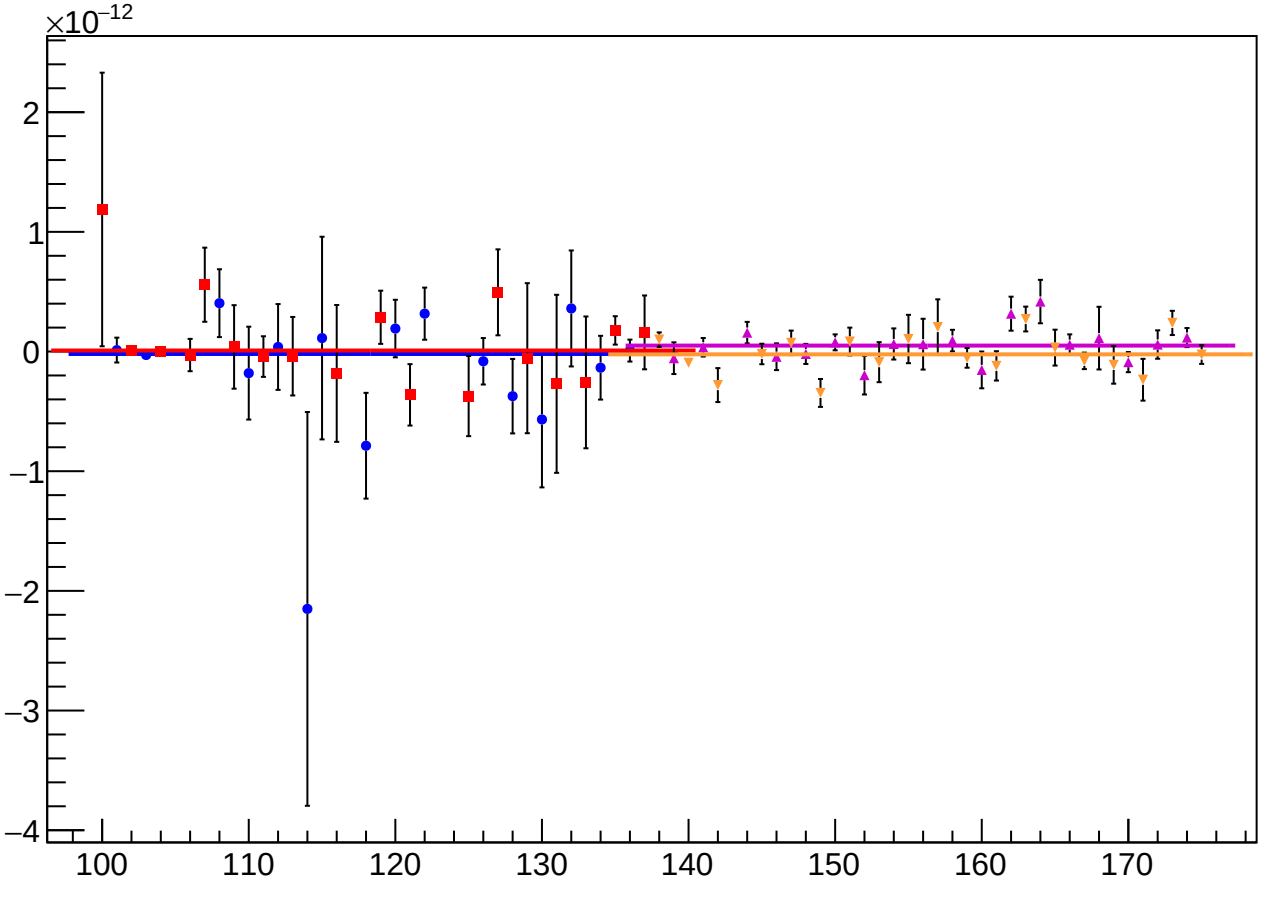
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2897.386+/-0.471 χ^2/NDF:6045973.1/33

Out: 2850.405+/-0.462 χ^2/NDF:5527562.4/36

All: 2873.471+/-0.330 χ^2/NDF: 11578610.6/7

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.1/17

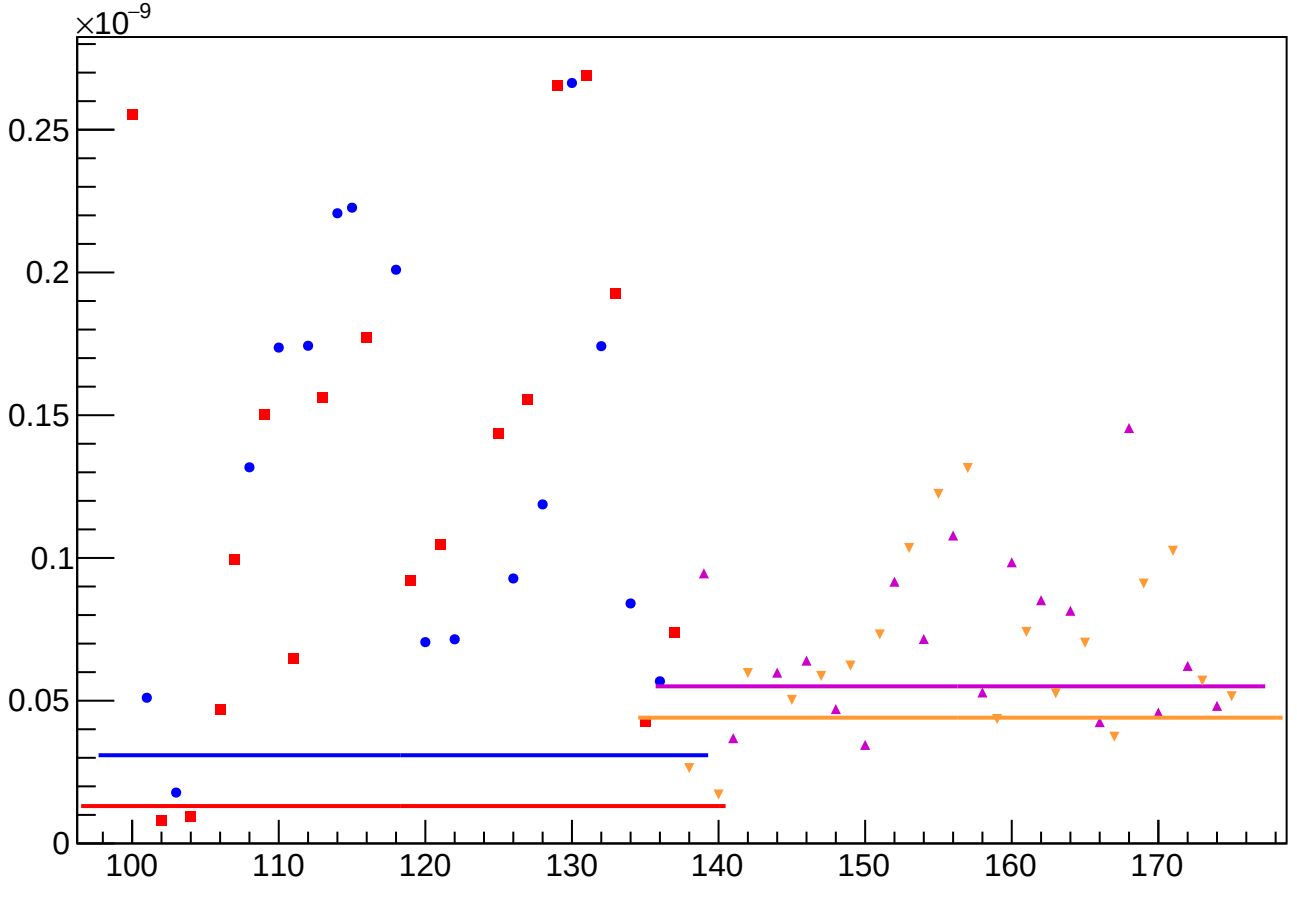
Left: 0.000+/-0.000 χ^2/NDF: 63.7/36

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:36.7/33

Out: -0.000+/-0.000 χ^2/NDF:55.0/36

All: 0.000+/-0.000 χ^2/NDF: 92.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2797365.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1394301.3/17

Left: 0.000+/-0.000 χ^2/NDF: 4424444.8/36

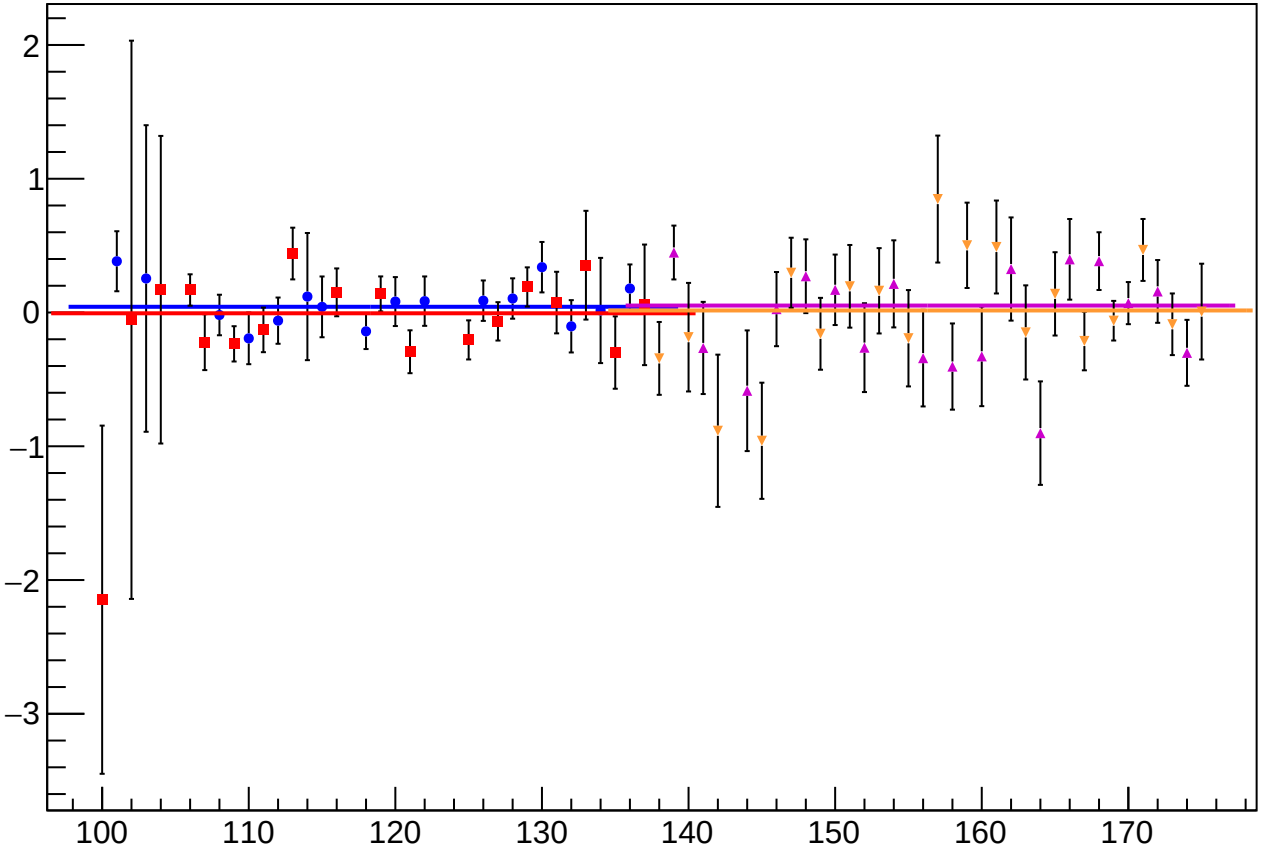
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5328250.3/33

Out: 0.000+/-0.000 χ^2/NDF:9360247.7/36

All: 0.000+/-0.000 χ^2/NDF: 16435291.5/70

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

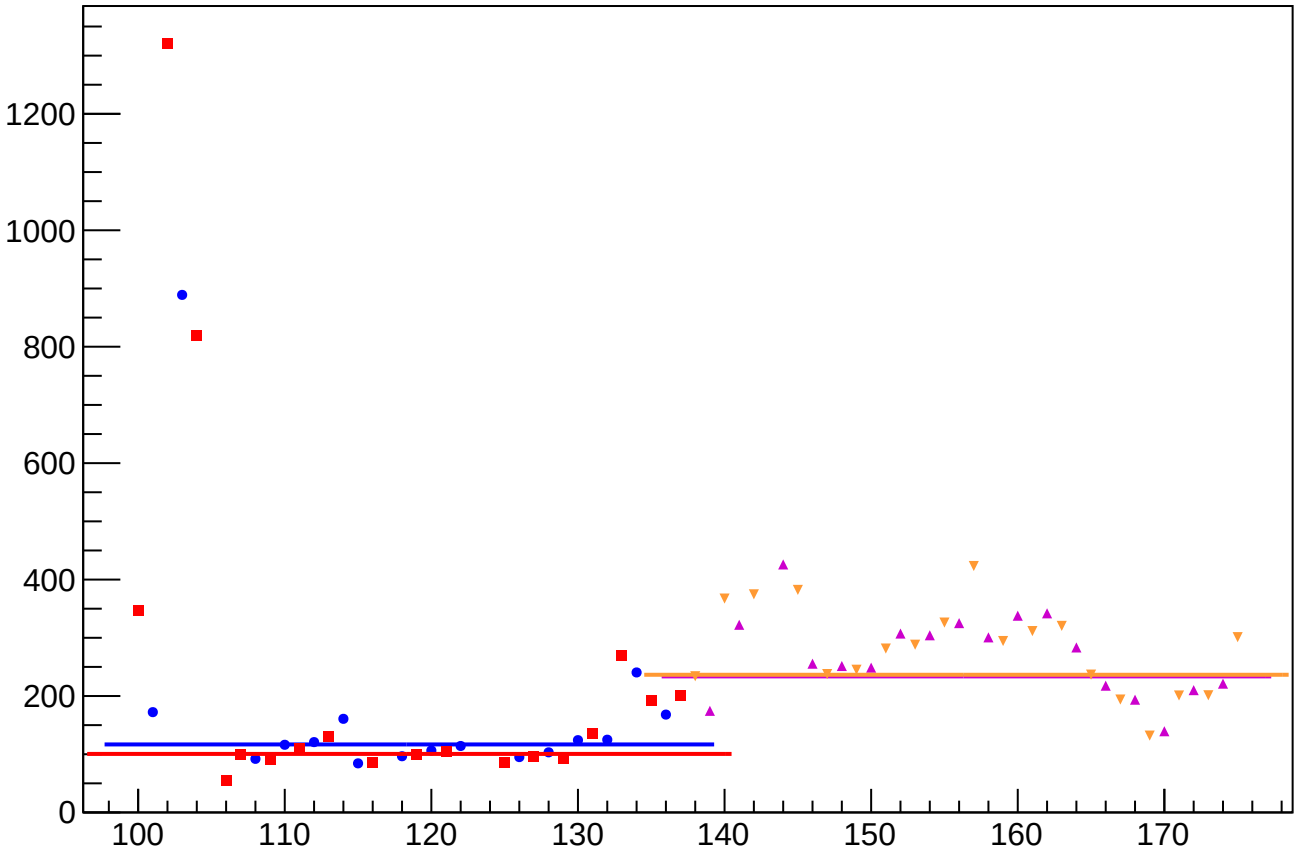
Left: 0.034+/-0.046 χ^2/NDF: 50.6/36

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.022+/-0.026 χ^2/NDF: 87.6/70



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

Left: 235.082+/-0.032 χ^2/NDF: 4852419.7/36

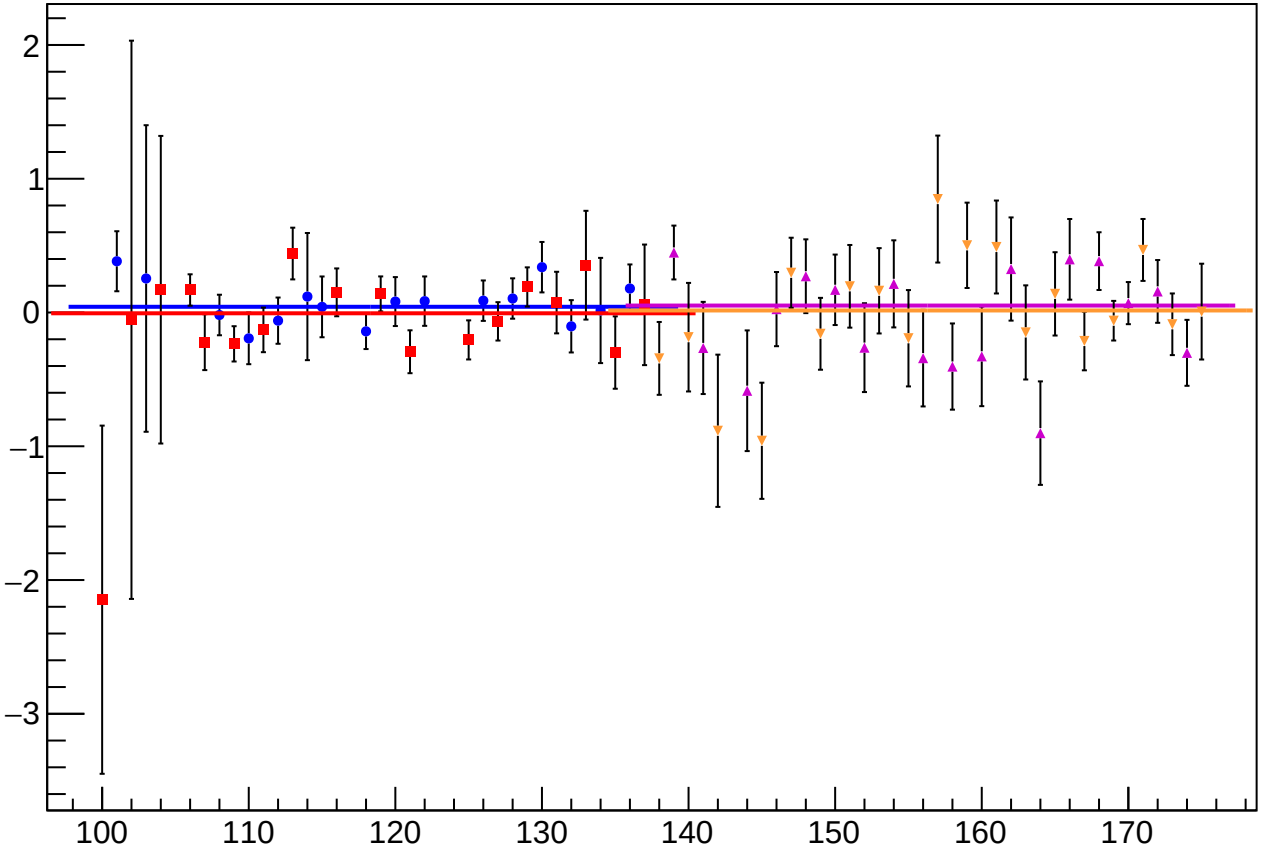
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 158.116+/-0.027 χ^2/NDF:8168381.7/33

Out: 142.476+/-0.026 χ^2/NDF:11307366.6/36

All: 149.855+/-0.019 χ^2/NDF: 19653082.0/70

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/36

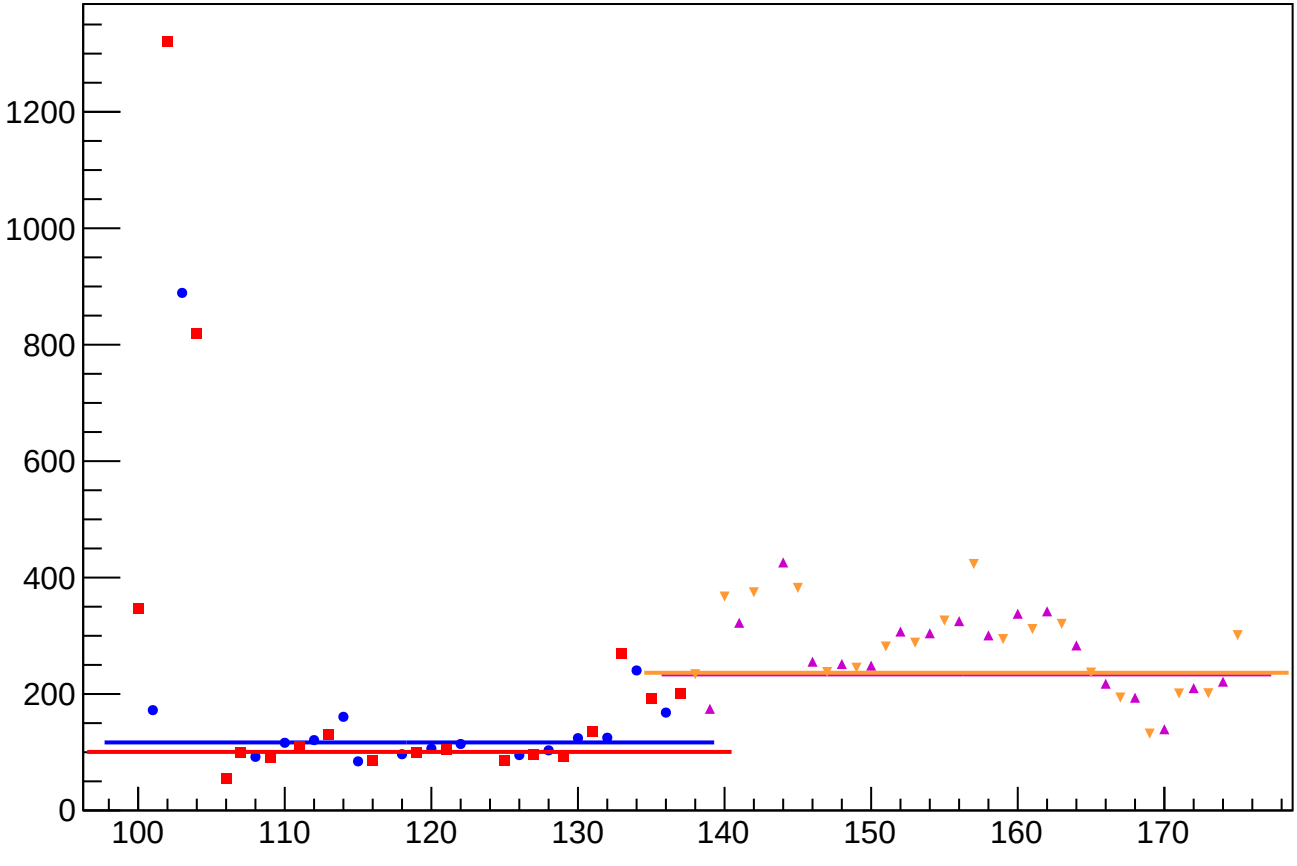
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.022+/-0.026 χ^2/NDF: 87.6/70

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

Left: 235.082+/-0.032 χ^2/NDF: 4852419.7/36

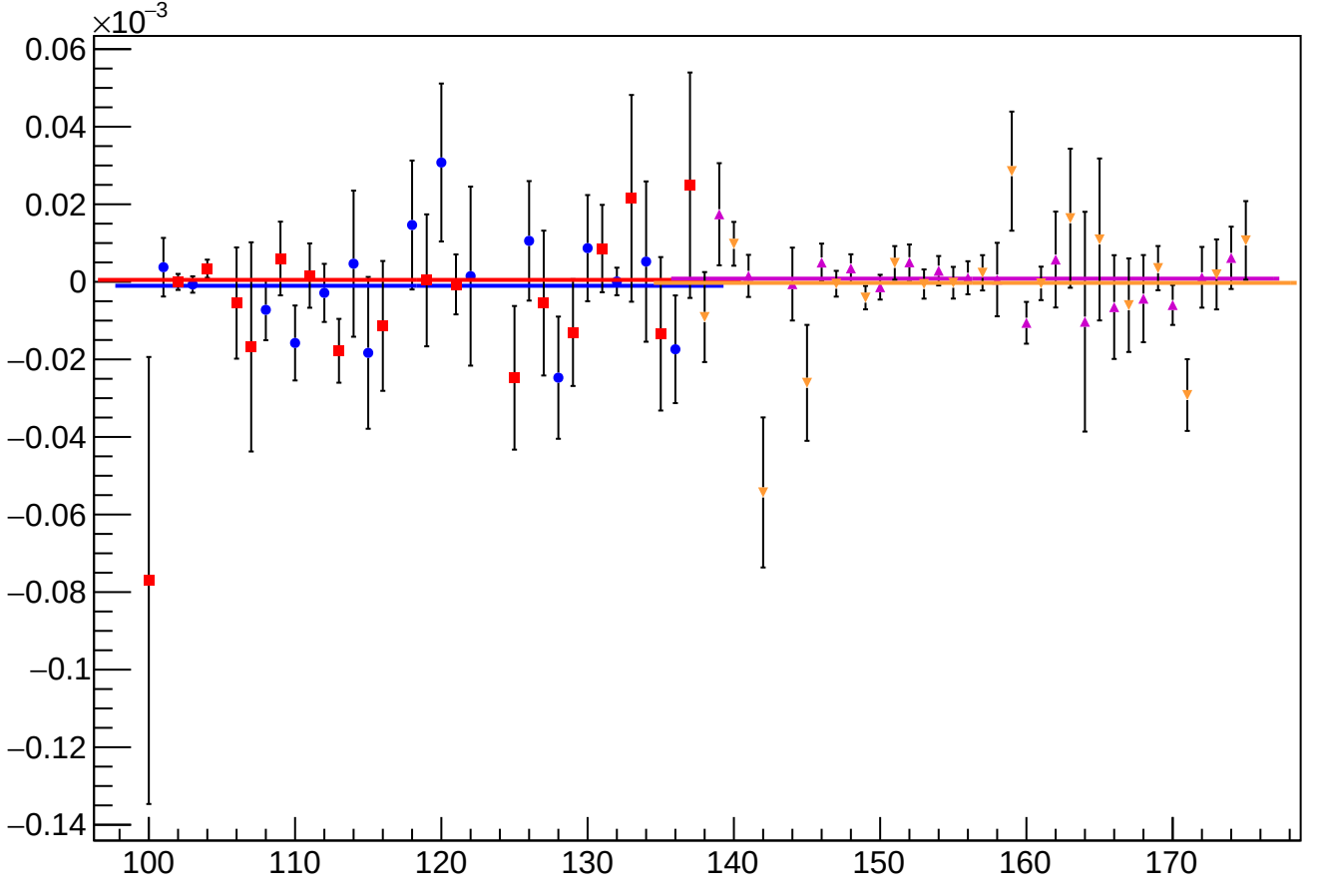
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 158.116+/-0.027 χ^2/NDF:8168381.7/33

Out: 142.476+/-0.026 χ^2/NDF:11307366.6/36

All: 149.855+/-0.019 χ^2/NDF: 19653082.0/70

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/17

Left: 0.000+/-0.000 χ^2/NDF: 46.6/36

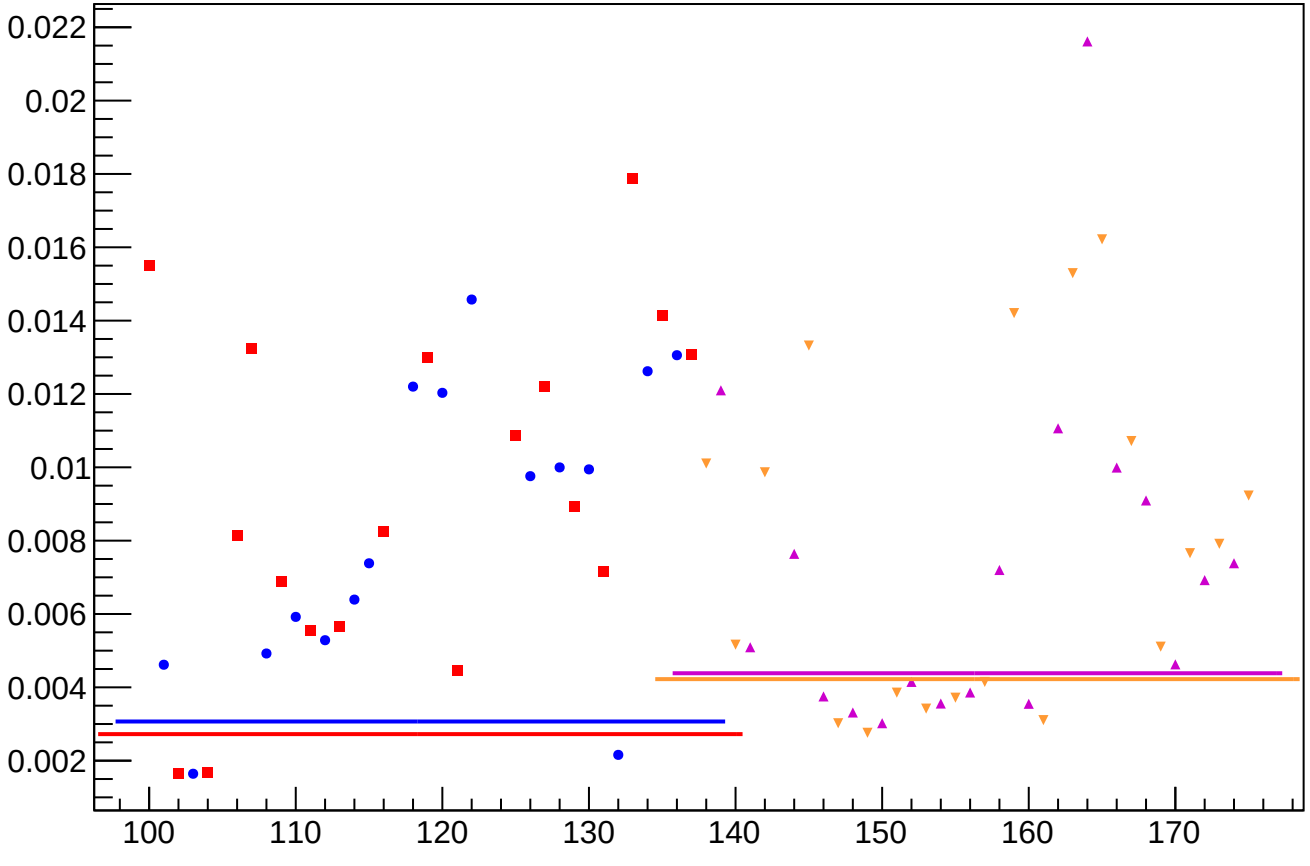
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:25.3/33

Out: 0.000+/-0.000 χ^2/NDF:49.5/36

All: 0.000+/-0.000 χ^2/NDF: 74.8/70

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:6476718.4/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4407572.7/17

Left: 0.004+/-0.000 χ^2/NDF: 10899592.3/36

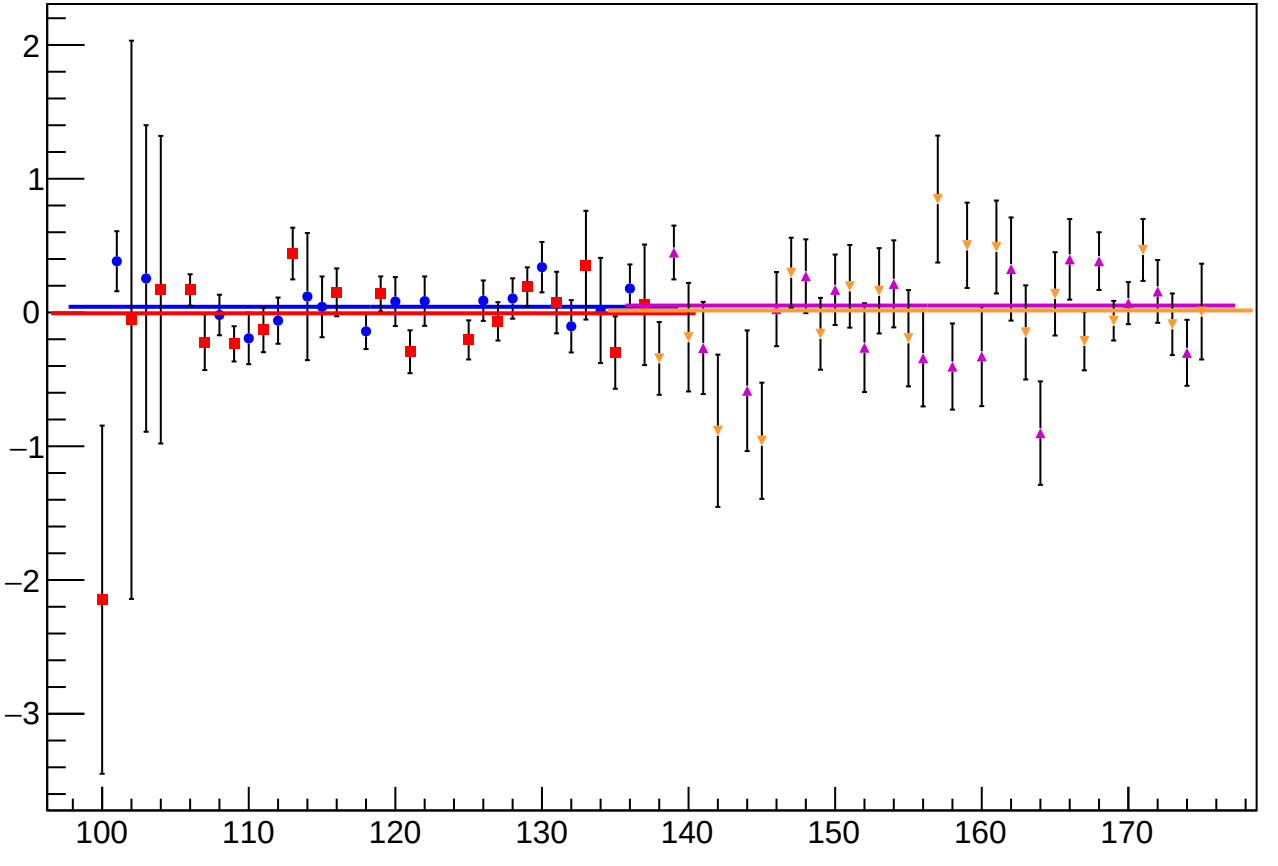
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:11189404.2/33

Out: 0.004+/-0.000 χ^2/NDF:14445774.7/36

All: 0.004+/-0.000 χ^2/NDF: 25732109.1/70

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/36

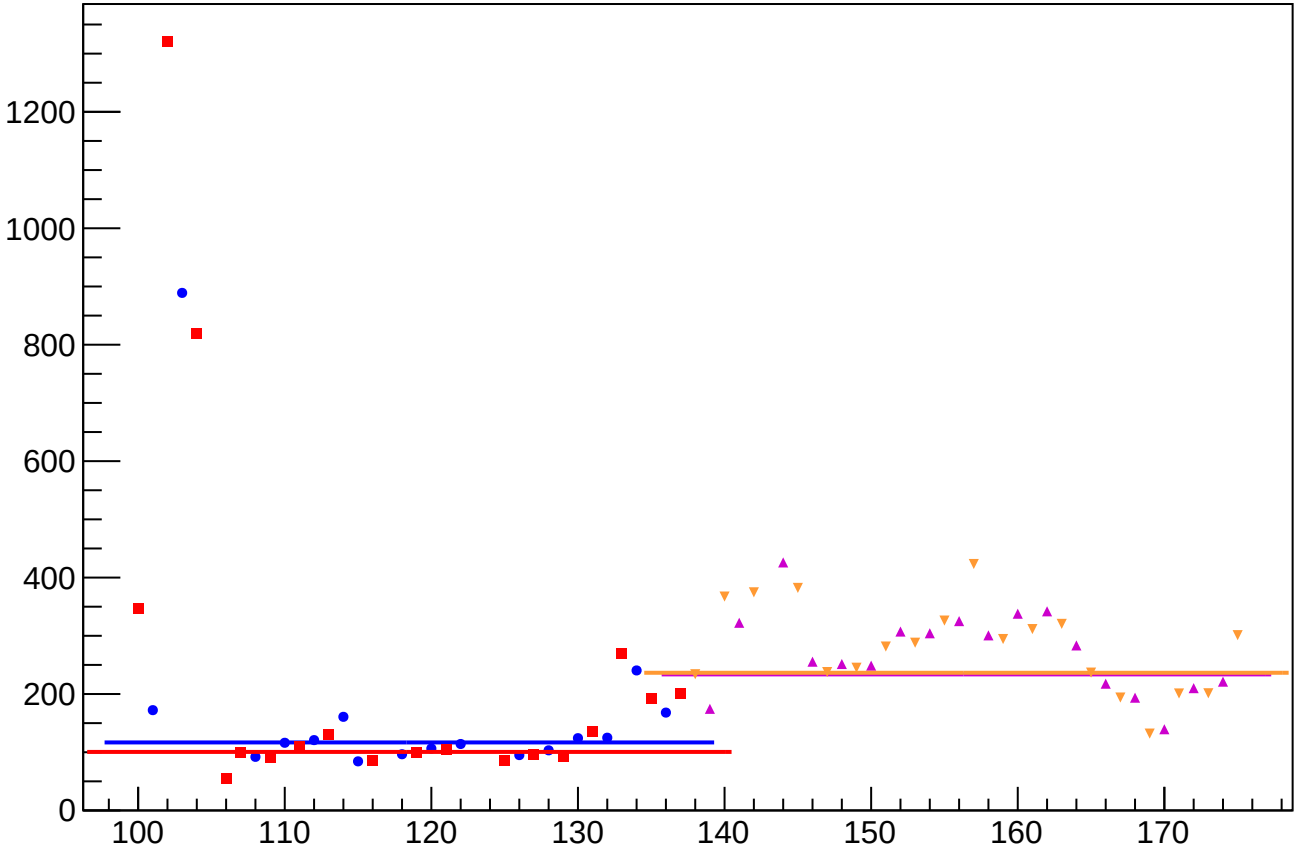
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.022+/-0.026 χ^2/NDF: 87.6/70

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584342.0/18

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

Left: 235.083+/-0.032 χ^2/NDF: 4852556.8/36

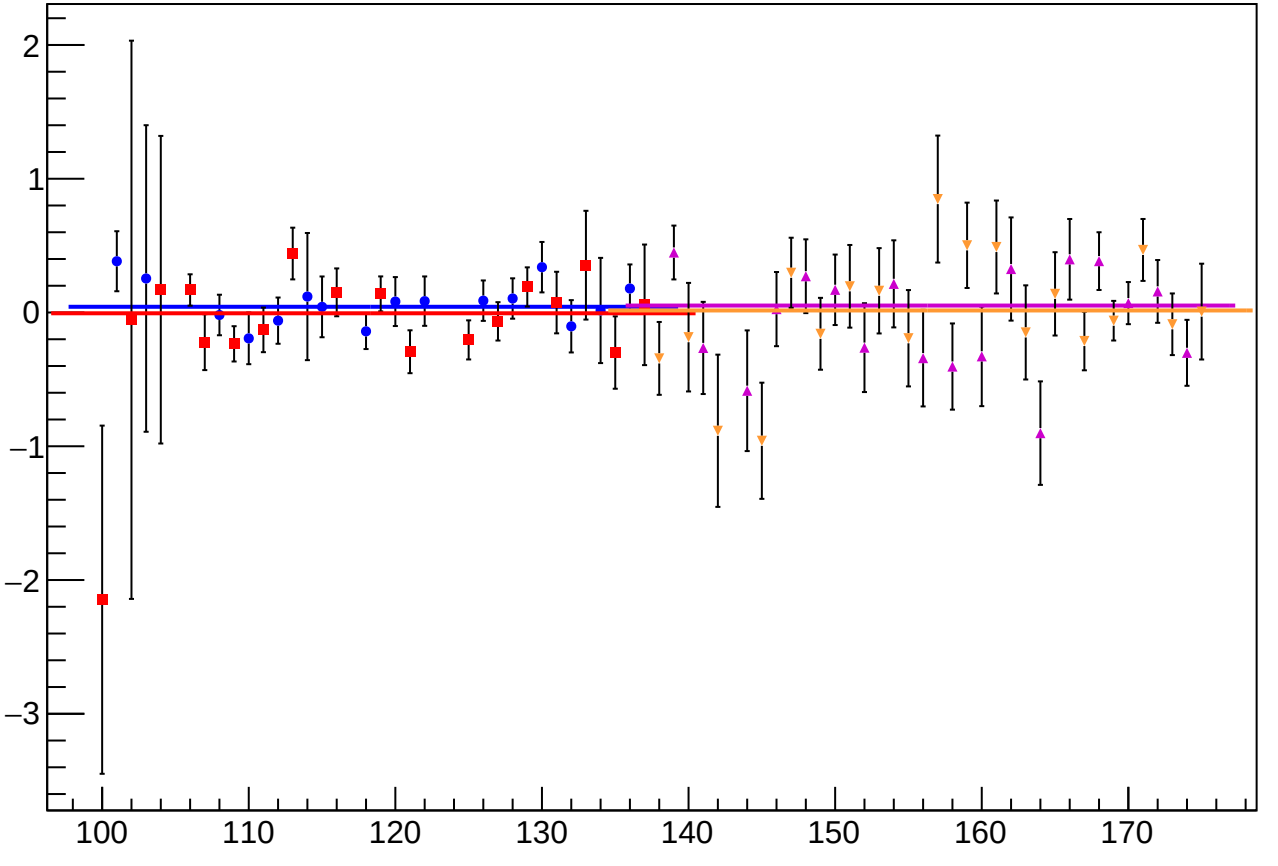
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 158.116+/-0.027 χ^2/NDF:8168487.2/33

Out: 142.475+/-0.026 χ^2/NDF:11307655.8/36

All: 149.854+/-0.019 χ^2/NDF: 19653503.0/70

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/36

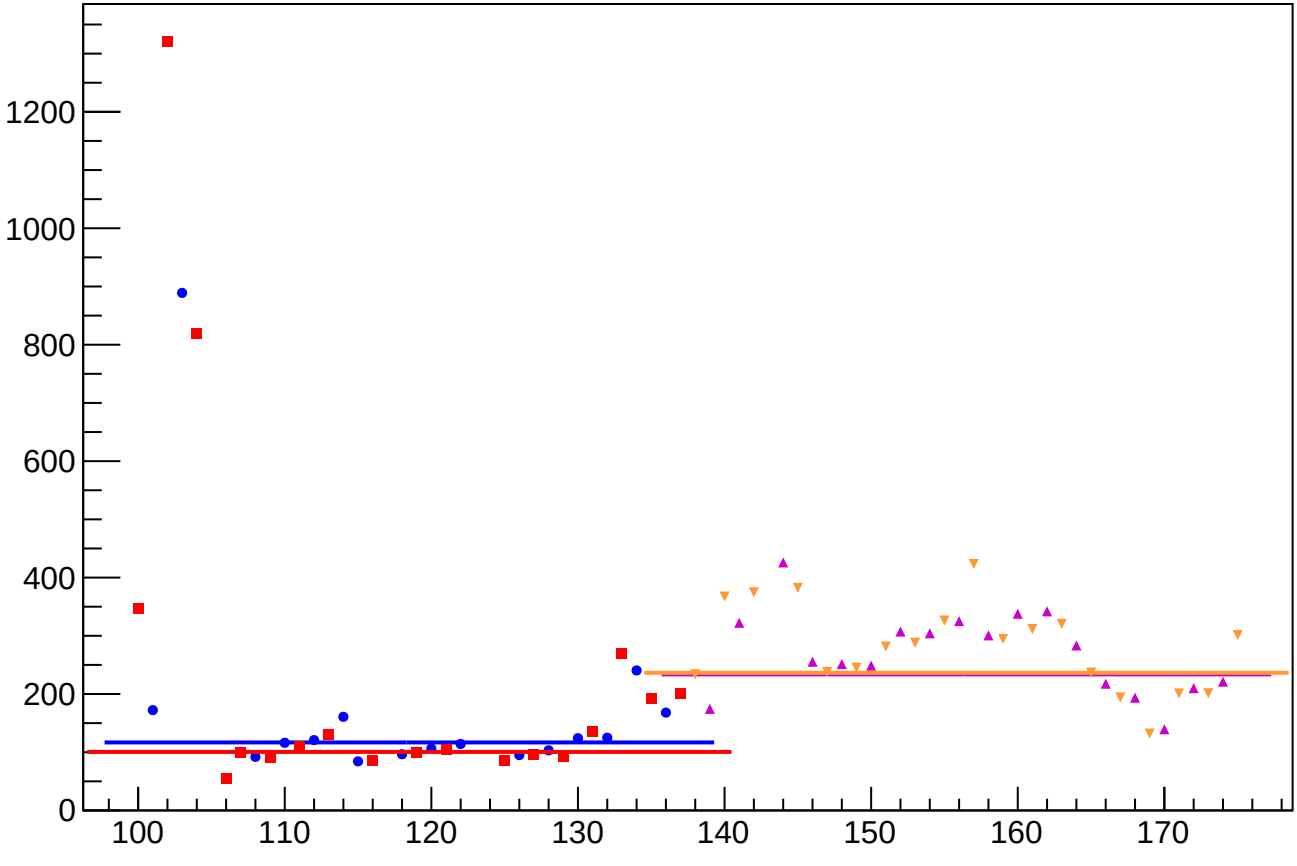
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.022+/-0.026 χ^2/NDF: 87.6/70

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584342.0/18

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

Left: 235.083+/-0.032 χ^2/NDF: 4852556.8/36

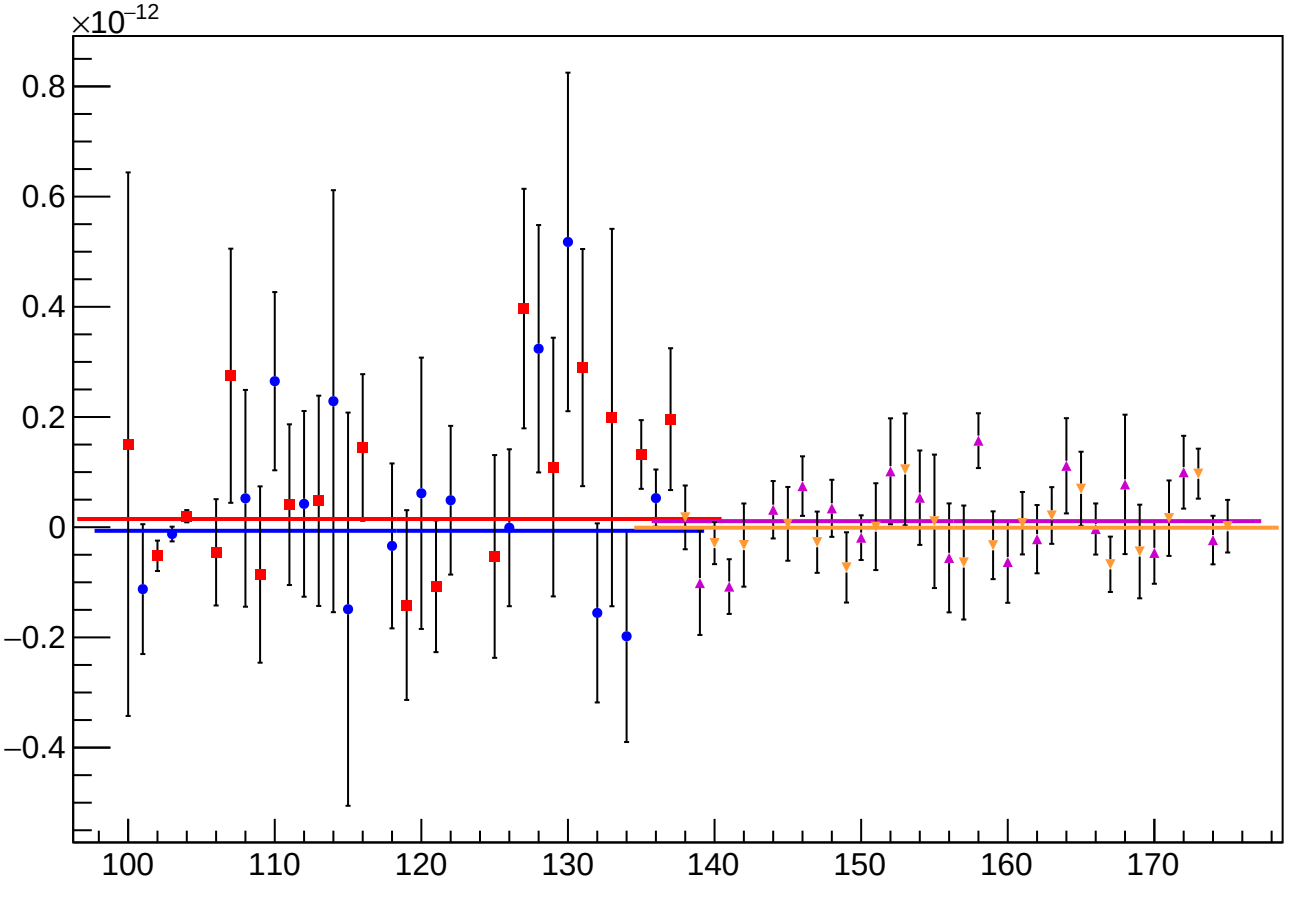
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 158.116+/-0.027 χ^2/NDF:8168487.2/33

Out: 142.475+/-0.026 χ^2/NDF:11307655.8/36

All: 149.854+/-0.019 χ^2/NDF: 19653503.0/70

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/17

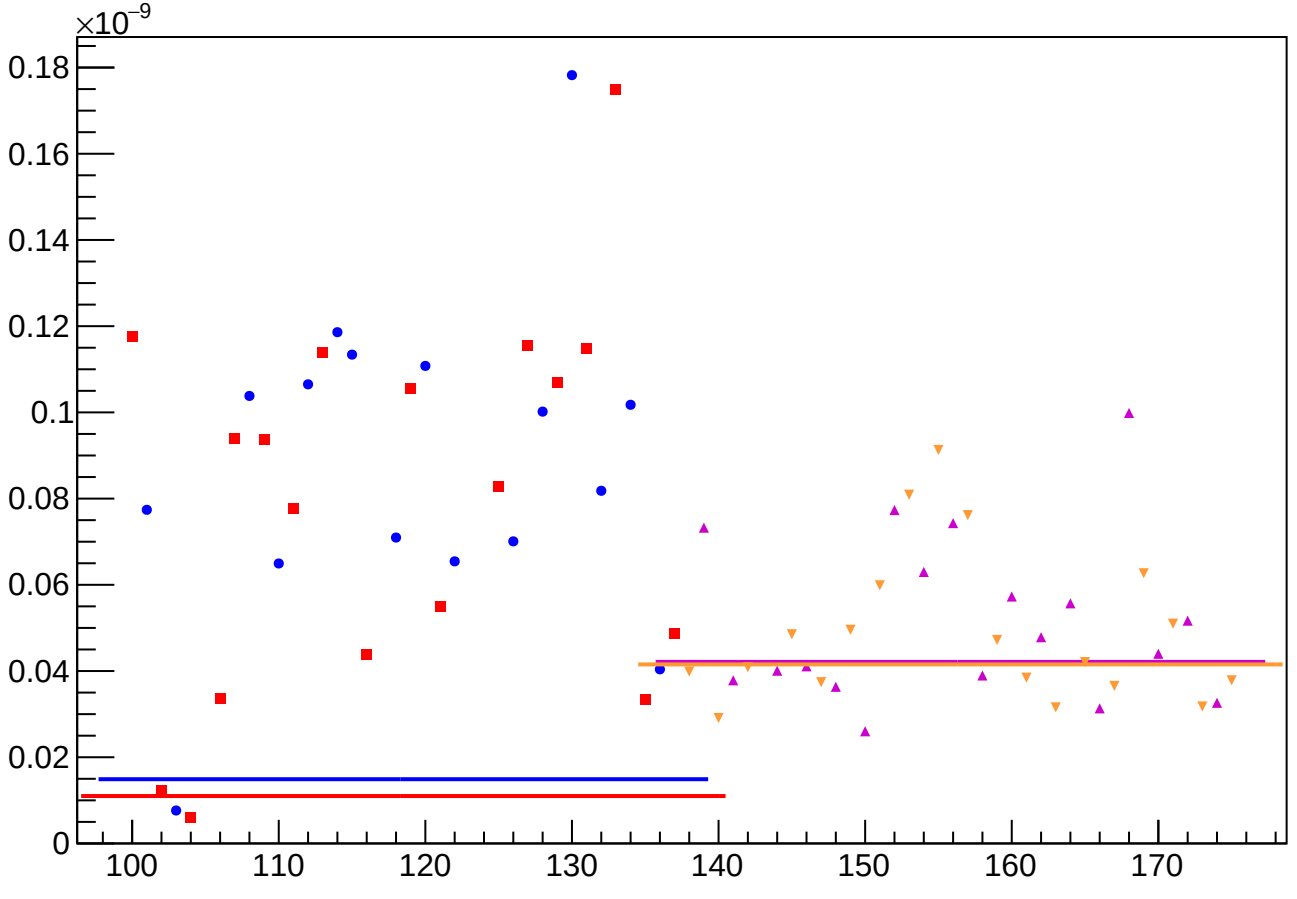
Left: 0.000+/-0.000 χ^2/NDF: 38.6/36

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.0/33

Out: 0.000+/-0.000 χ^2/NDF:34.9/36

All: 0.000+/-0.000 χ^2/NDF: 75.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1632680.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1995450.2/17

Left: 0.000+/-0.000 χ^2/NDF: 3629899.6/36

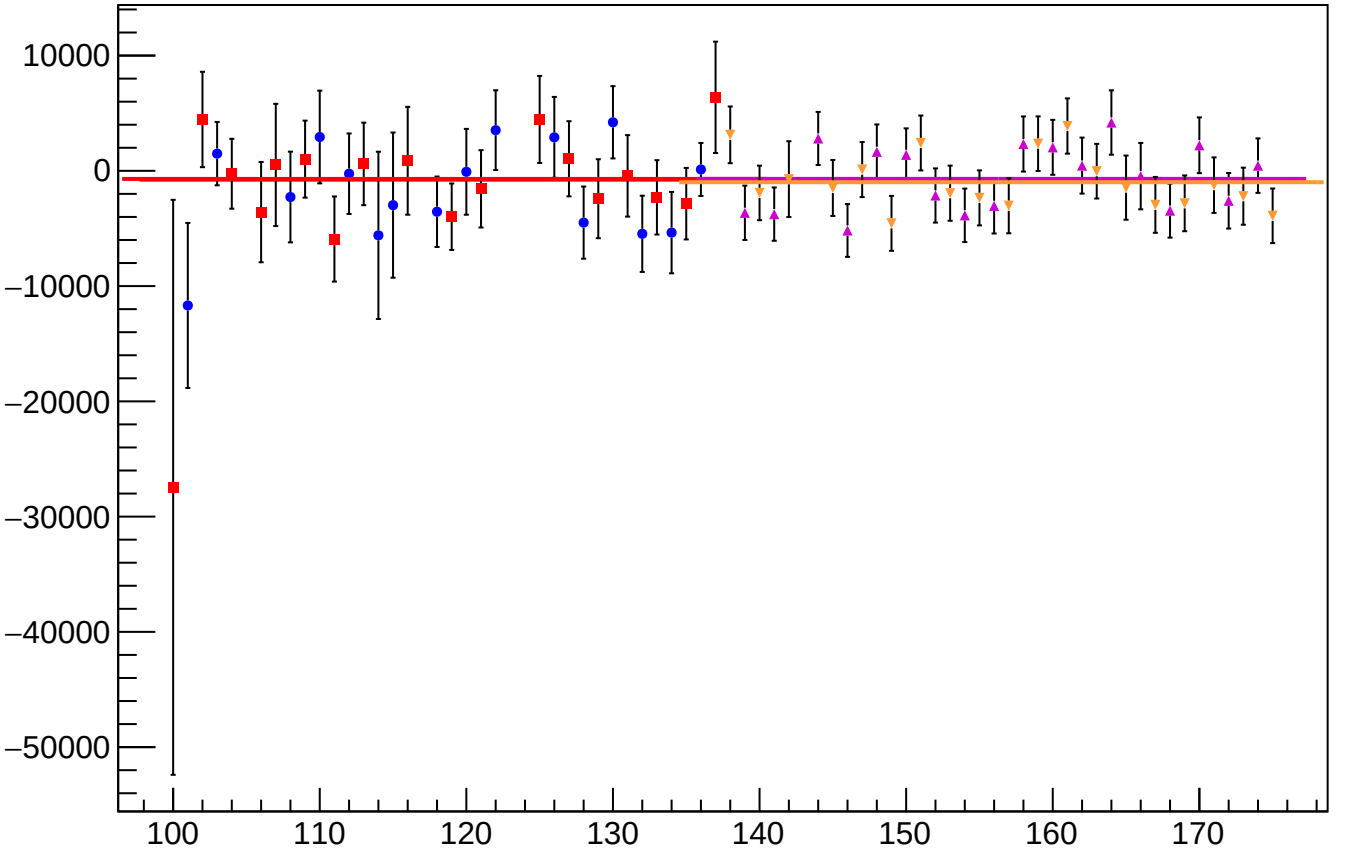
Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:12112522.1/33

Out: 0.000+/-0.000 χ^2/NDF:13945454.6/36

All: 0.000+/-0.000 χ^2/NDF: 26482590.7/70

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -987.829+/-561.391 χ^2/NDF:18.0/18

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -698.112+/-565.492 χ^2/NDF:24.3/17

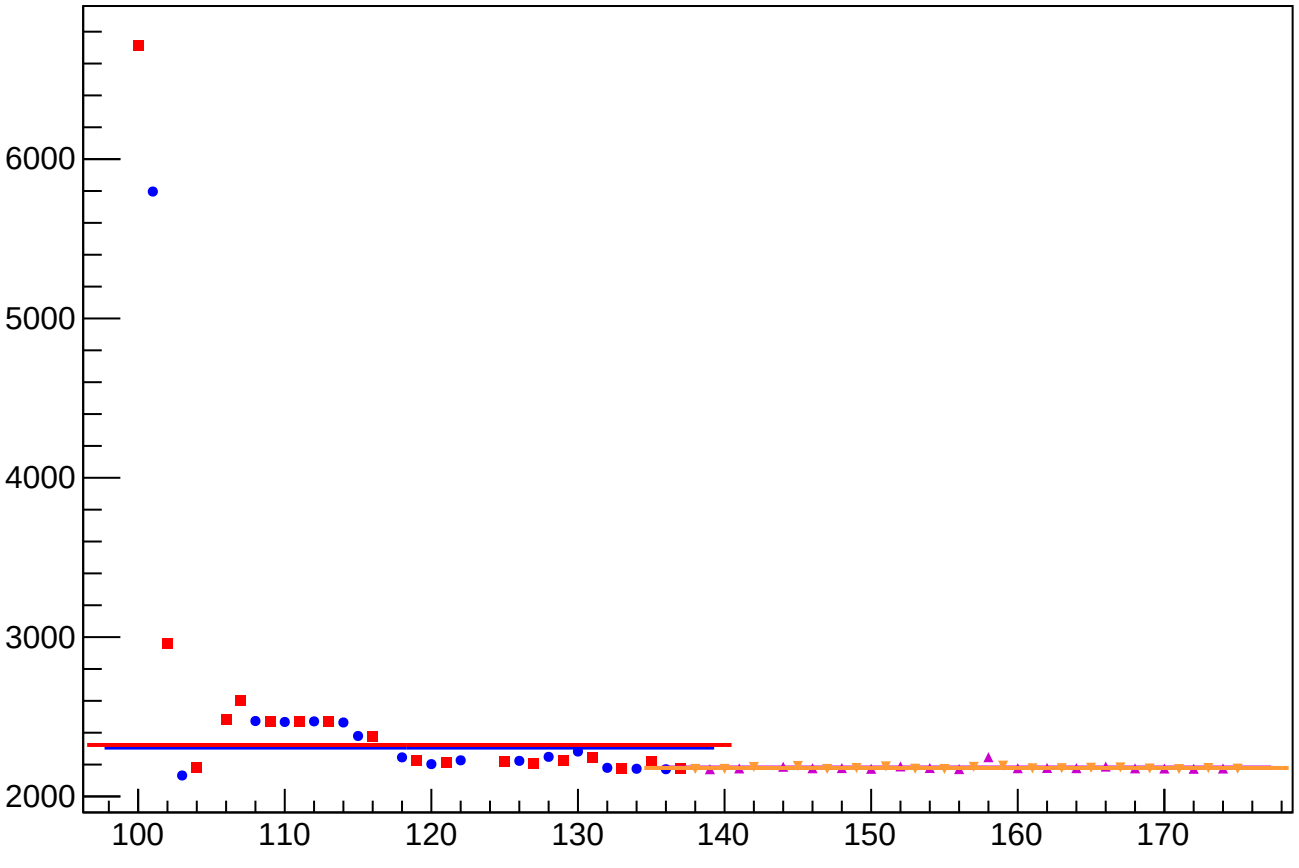
Left: -844.025+/-398.405 χ^2/NDF: 42.5/36

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -714.726+/-474.563 χ^2/NDF:40.2/33

Out: -903.676+/-471.494 χ^2/NDF:30.5/36

All: -809.814+/-334.476 χ^2/NDF: 70.8/70



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

Left: 2180.096+/-0.282 χ^2/NDF: 2007.0/36

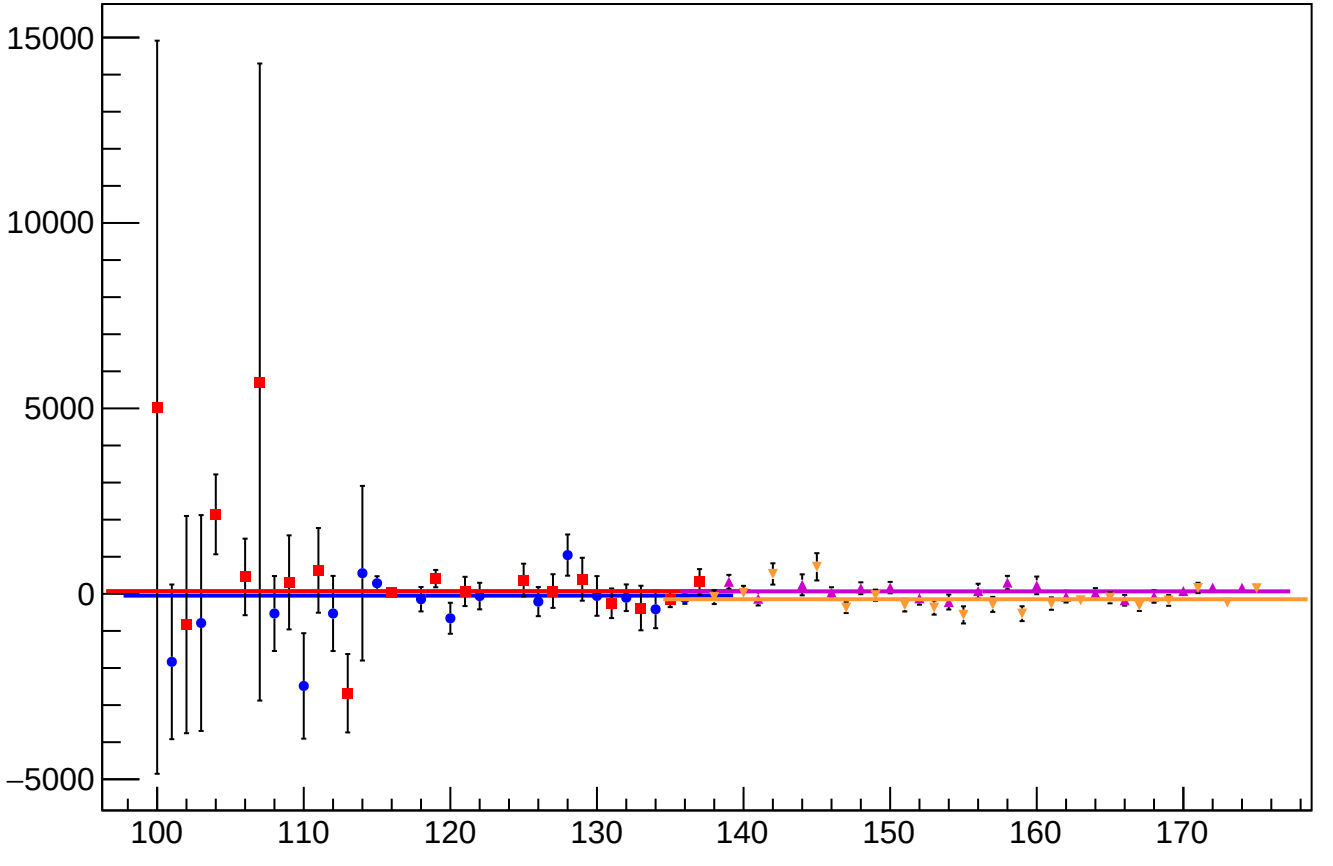
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2218.525+/-0.336 χ^2/NDF:544806.4/33

Out: 2221.211+/-0.333 χ^2/NDF:191010.7/36

All: 2219.877+/-0.237 χ^2/NDF: 735849.4/70

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -145.947+/-36.727 χ^2/NDF:39.4/18

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 66.874+/-36.930 χ^2/NDF:15.5/17

Left: -40.123+/-26.041 χ^2/NDF: 71.6/36

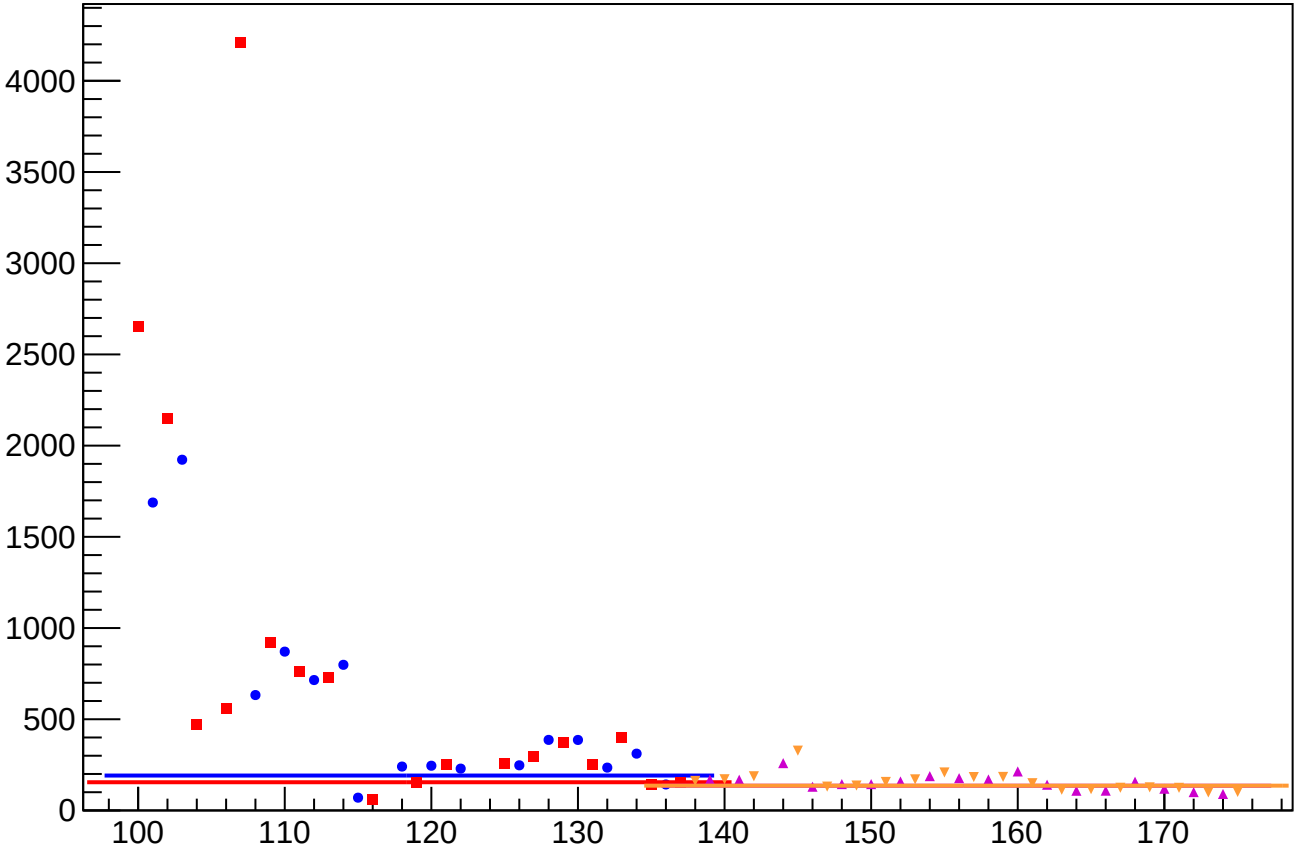
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 50.614+/-34.215 χ^2/NDF:31.3/33

Out: -109.449+/-33.545 χ^2/NDF:63.0/36

All: -31.000+/-23.953 χ^2/NDF: 105.4/70

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 135.903+/-0.026 χ^2/NDF:1771540.5/18

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 135.401+/-0.026 χ^2/NDF:1865418.4/17

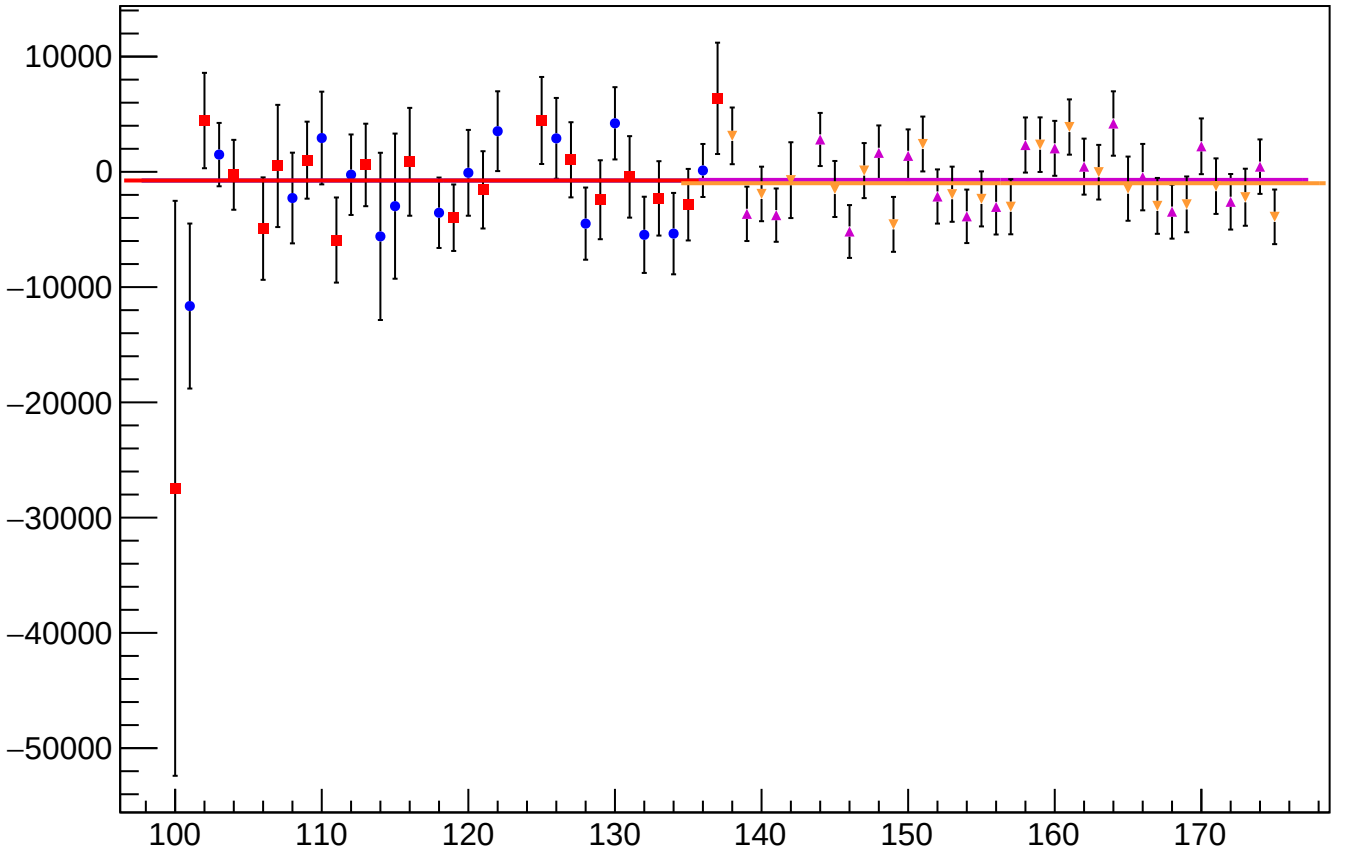
Left: 135.654+/-0.018 χ^2/NDF: 3637144.6/36

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 143.330+/-0.024 χ^2/NDF:7581032.6/33

Out: 139.016+/-0.024 χ^2/NDF:8012464.0/36

All: 141.130+/-0.017 χ^2/NDF: 15609710.1/70



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -698.060+/-565.492 χ^2/NDF:24.3/17

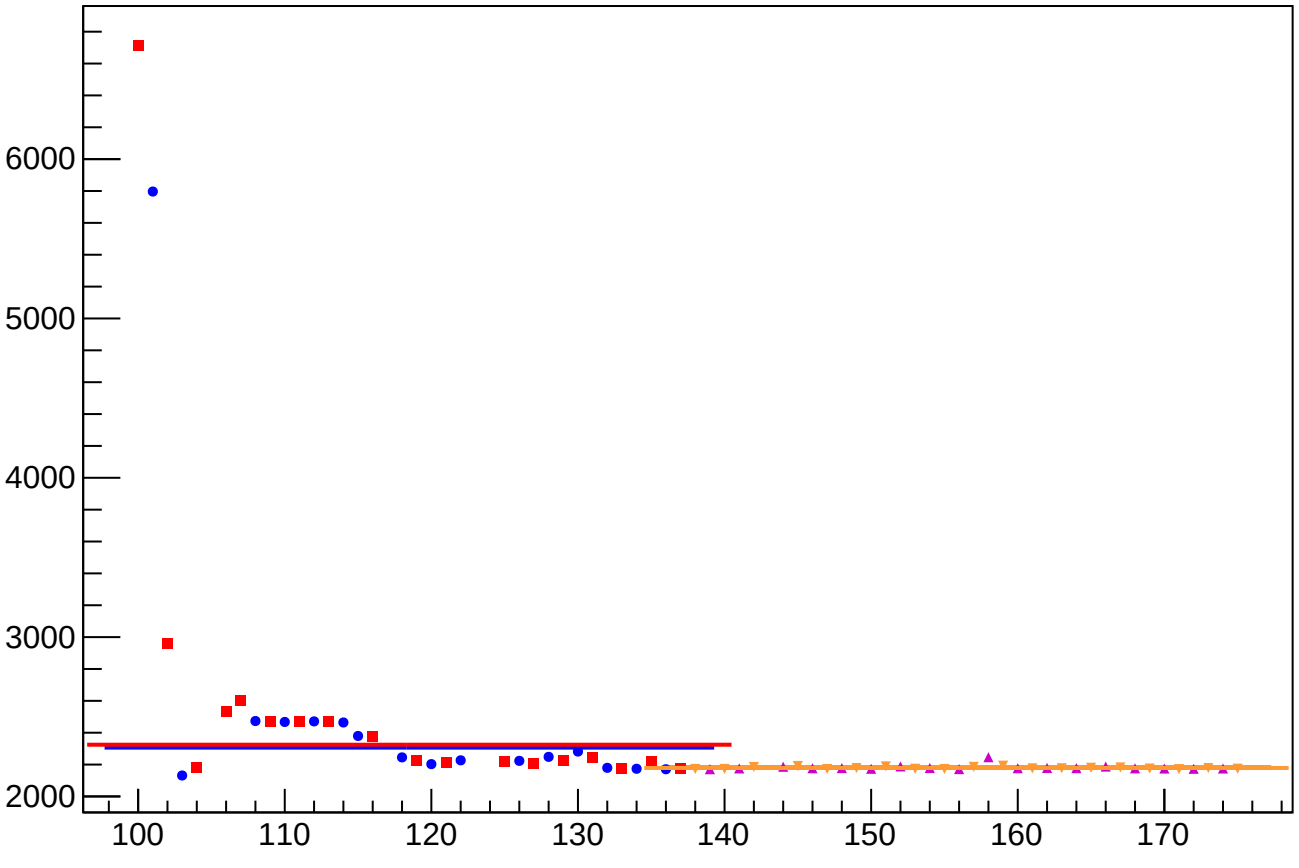
Left: -843.989+/-398.405 χ^2/NDF: 42.5/36

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -714.403+/-474.563 χ^2/NDF:40.2/33

Out: -917.626+/-471.609 χ^2/NDF:30.9/36

All: -816.649+/-334.517 χ^2/NDF: 71.2/70



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

Left: 2180.096+/-0.282 χ^2/NDF: 2007.0/36

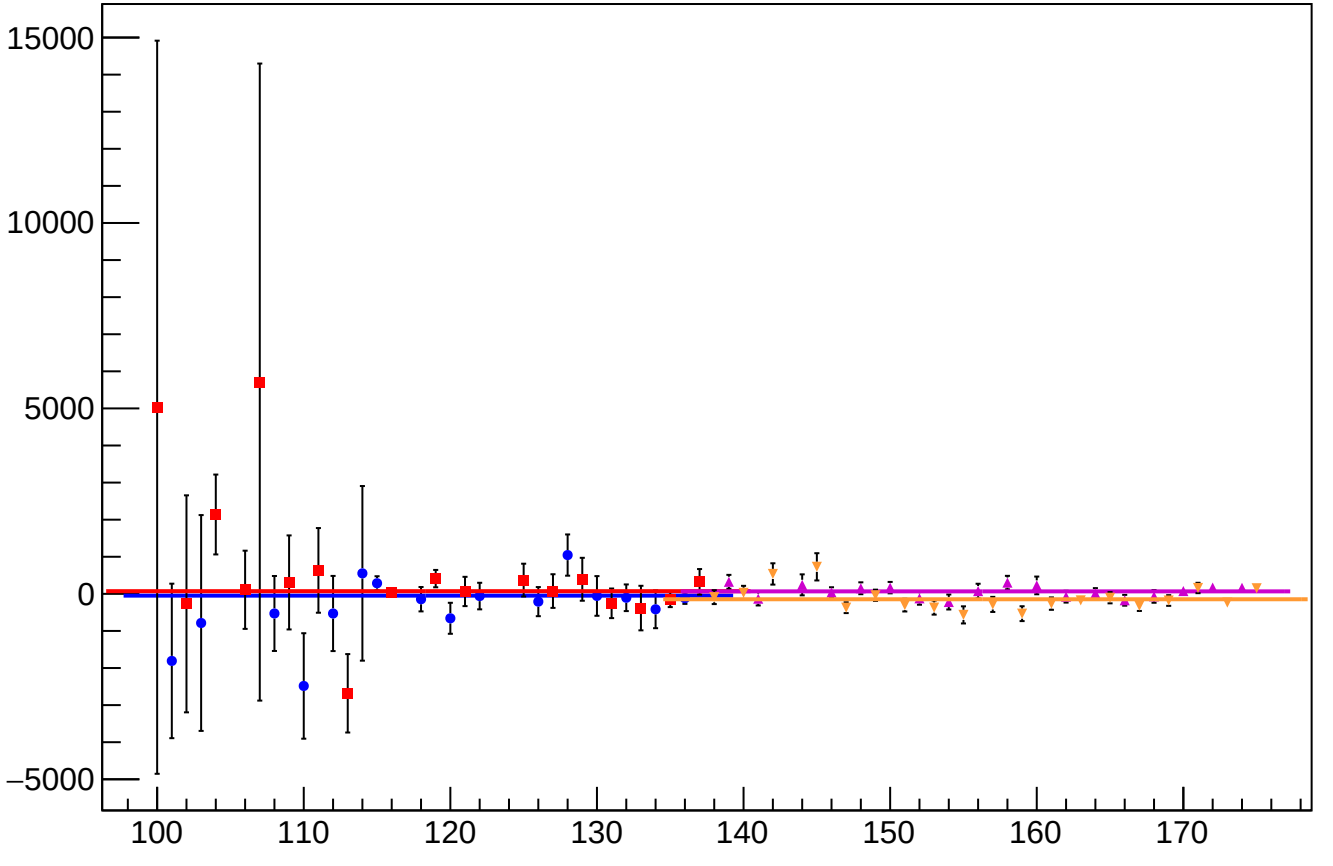
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2218.525+/-0.336 χ^2/NDF:544806.7/33

Out: 2221.655+/-0.333 χ^2/NDF:193664.4/36

All: 2220.099+/-0.237 χ^2/NDF: 738514.9/70

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 66.832+/-36.932 χ^2/NDF:15.5/17

Left: -40.127+/-26.043 χ^2/NDF: 71.6/36

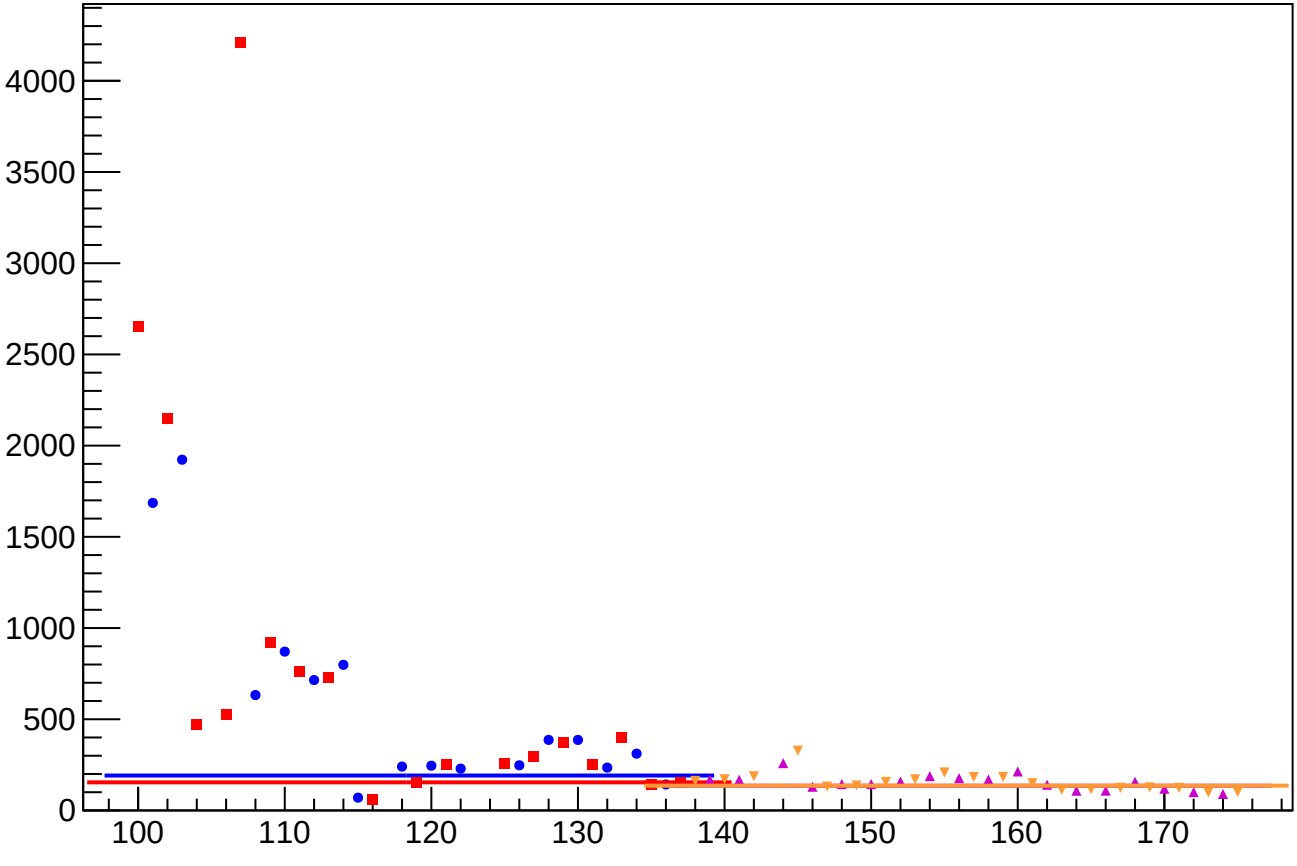
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.574+/-34.217 χ^2/NDF:31.2/33

Out: -109.704+/-33.542 χ^2/NDF:62.6/36

All: -31.161+/-23.953 χ^2/NDF: 105.1/70

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

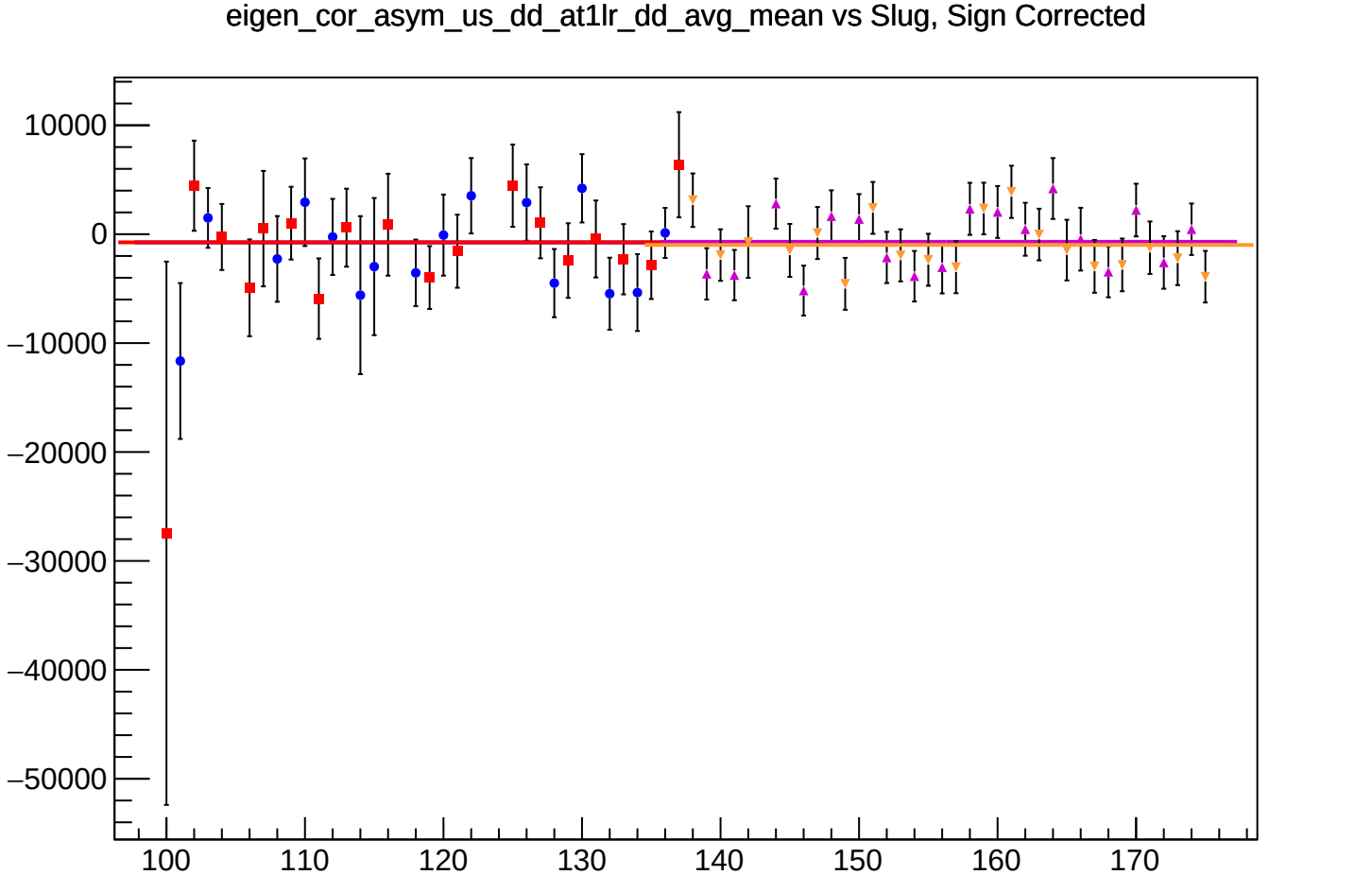
Left: 135.662+/-0.018 χ^2/NDF: 3636997.7/36

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 143.340+/-0.024 χ^2/NDF:7580521.6/33

Out: 138.935+/-0.024 χ^2/NDF:7961327.7/36

All: 141.094+/-0.017 χ^2/NDF: 15558752.1/70



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -698.060+/-565.492 χ^2/NDF:24.3/17

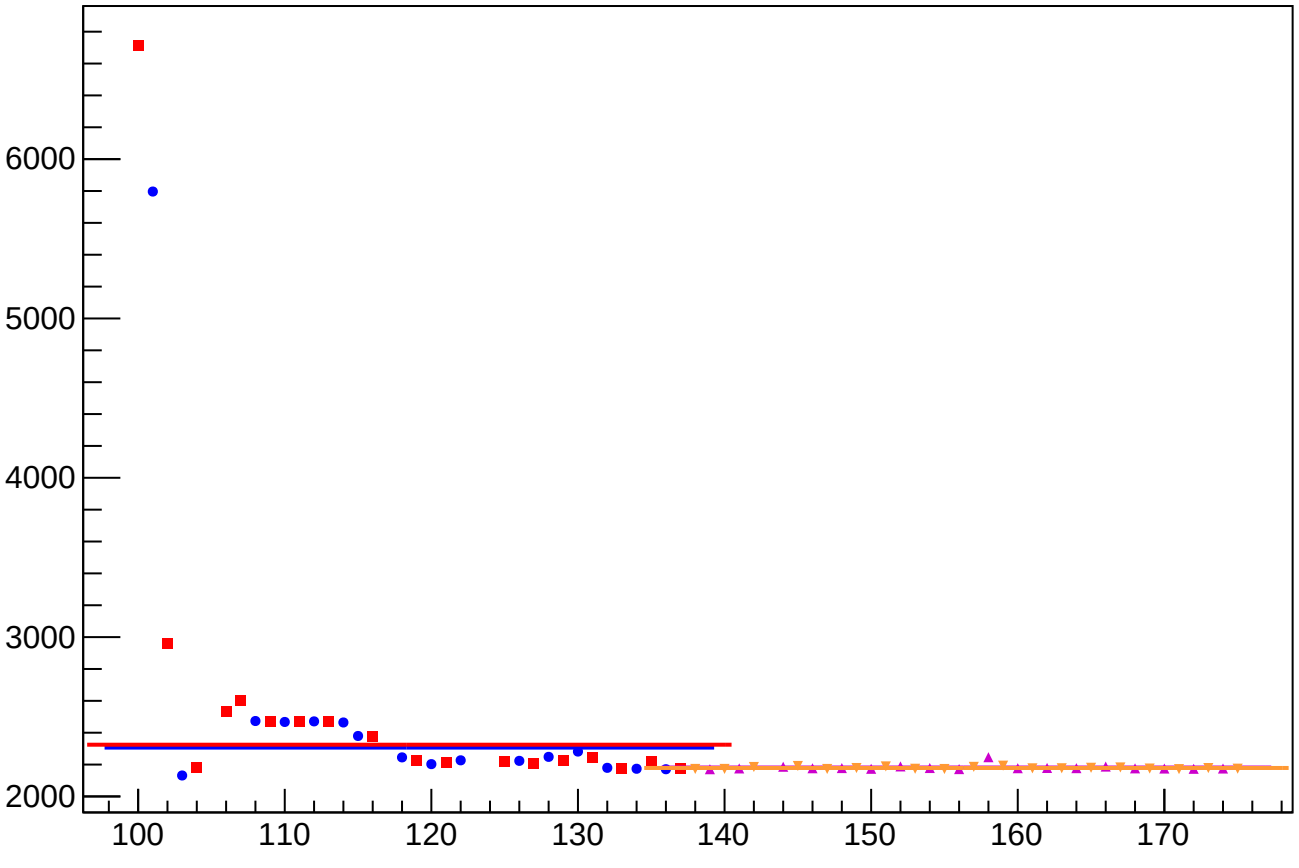
Left: -843.989+/-398.405 χ^2/NDF: 42.5/36

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -714.403+/-474.563 χ^2/NDF:40.2/33

Out: -917.626+/-471.609 χ^2/NDF:30.9/36

All: -816.649+/-334.517 χ^2/NDF: 71.2/70



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

Left: 2180.096+/-0.282 χ^2/NDF: 2007.0/36

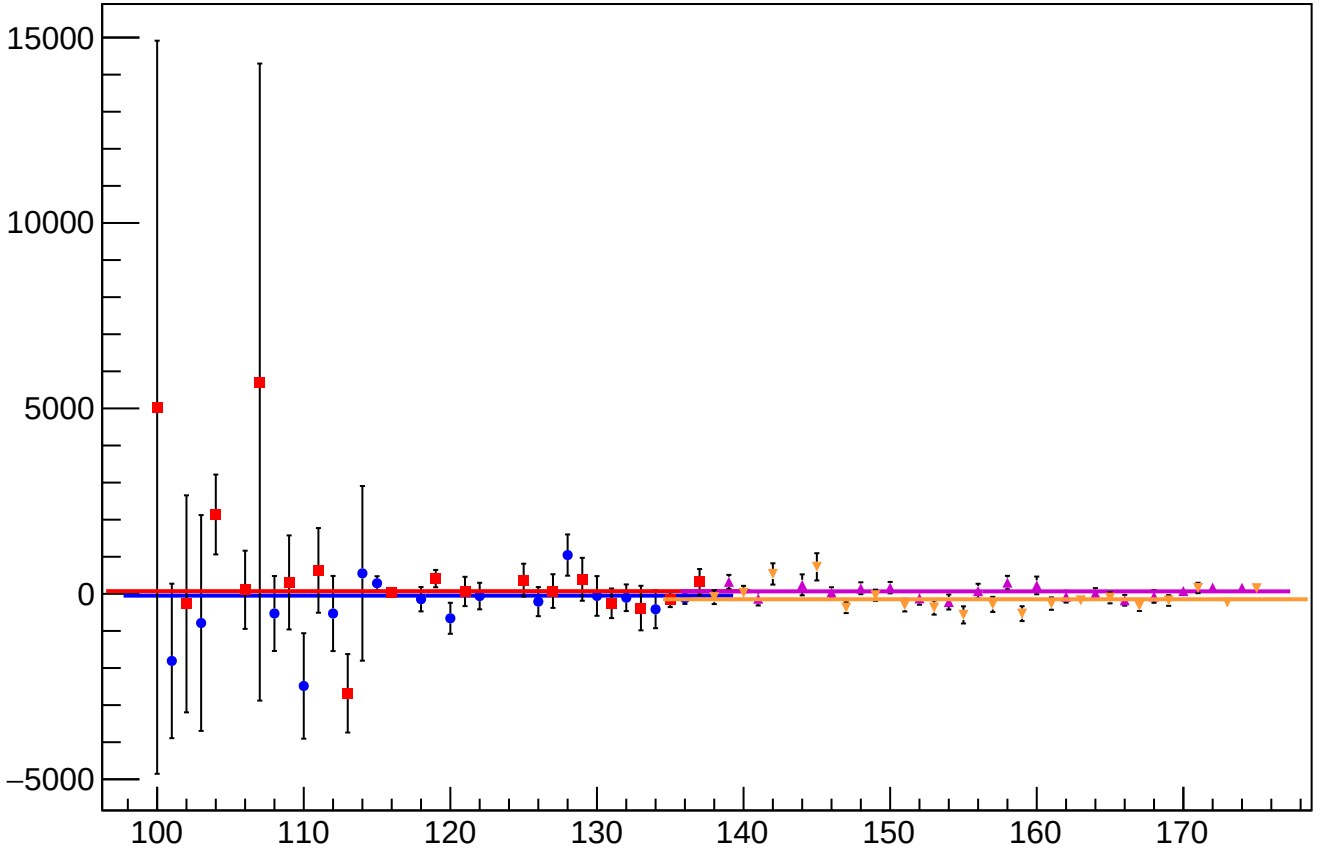
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2218.525+/-0.336 χ^2/NDF:544806.7/33

Out: 2221.655+/-0.333 χ^2/NDF:193664.4/36

All: 2220.099+/-0.237 χ^2/NDF: 738514.9/70

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 66.832+/-36.932 χ^2/NDF:15.5/17

Left: -40.127+/-26.043 χ^2/NDF: 71.6/36

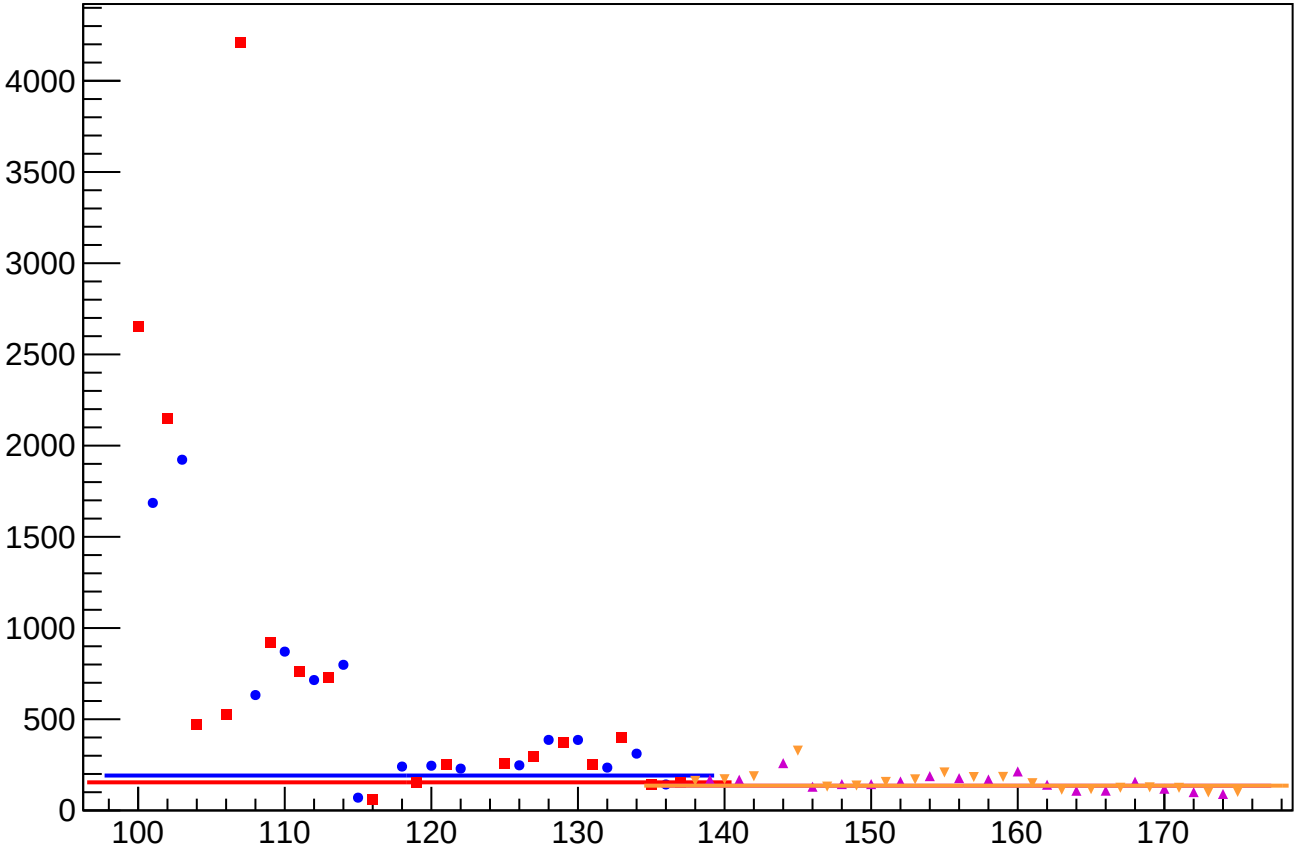
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.574+/-34.217 χ^2/NDF:31.2/33

Out: -109.704+/-33.542 χ^2/NDF:62.6/36

All: -31.161+/-23.953 χ^2/NDF: 105.1/70

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

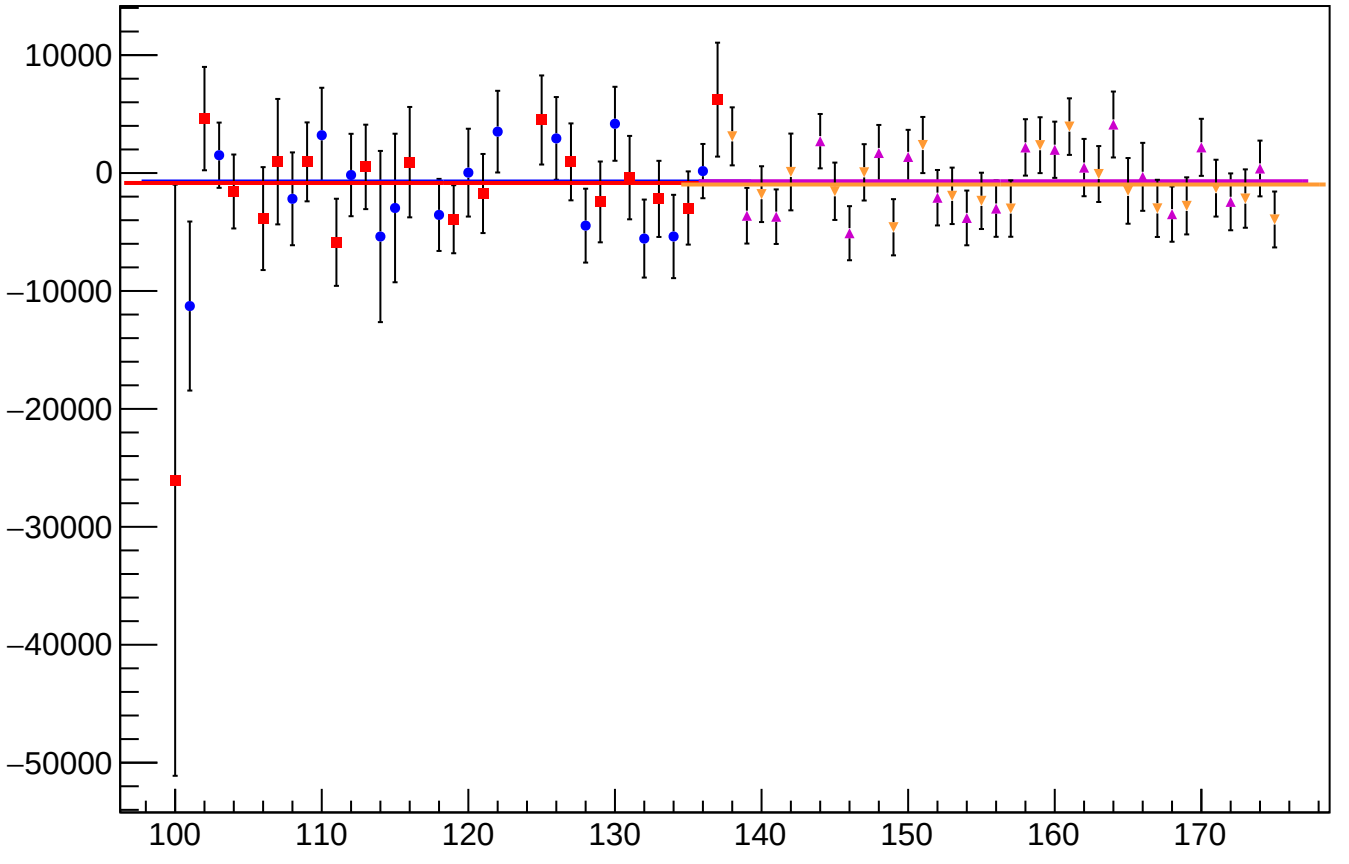
Left: 135.662+/-0.018 χ^2/NDF: 3636997.7/36

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 143.340+/-0.024 χ^2/NDF:7580521.6/33

Out: 138.935+/-0.024 χ^2/NDF:7961327.7/36

All: 141.094+/-0.017 χ^2/NDF: 15558752.1/70



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.089+/-561.413 χ^2/NDF:18.2/18

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -694.461+/-565.691 χ^2/NDF:23.5/17

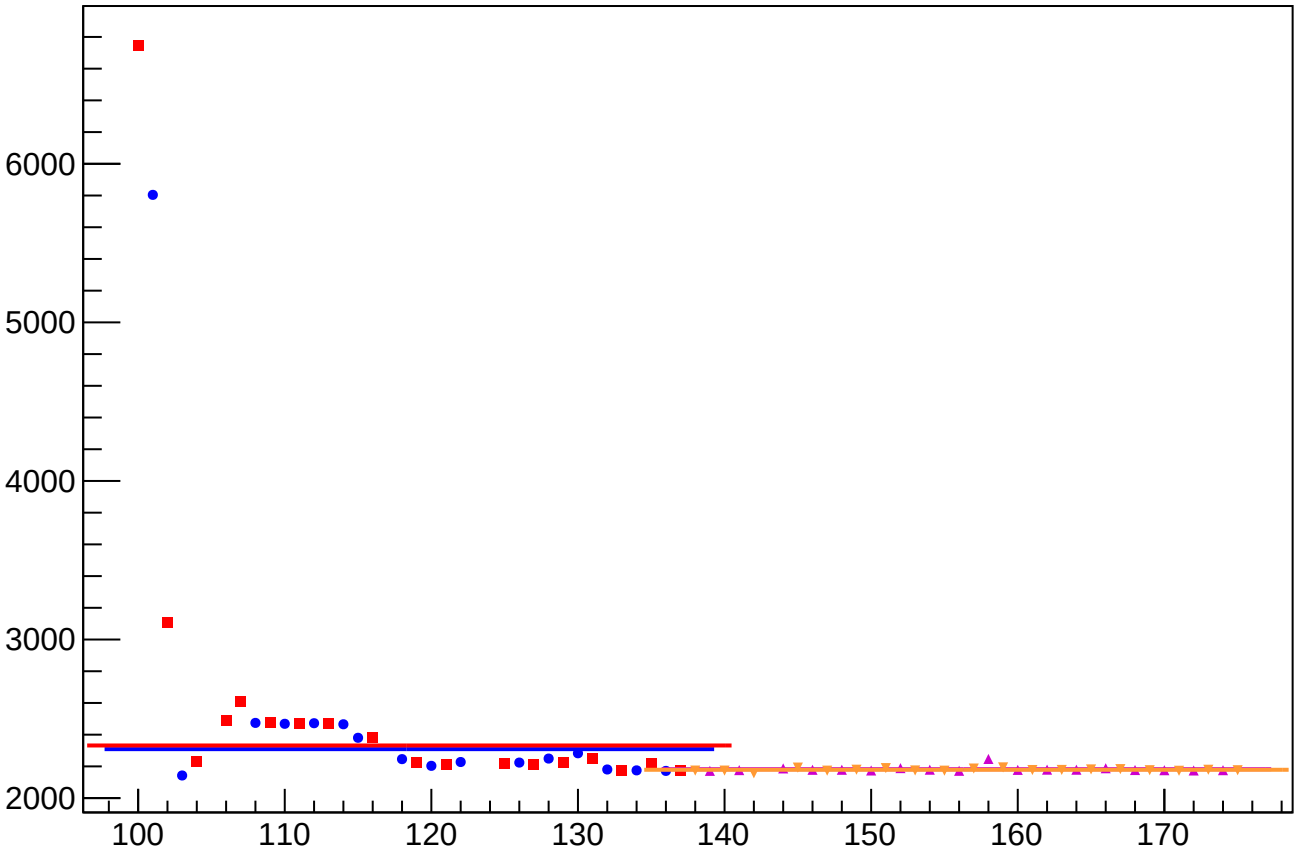
Left: -833.825+/-398.483 χ^2/NDF: 41.7/36

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -701.161+/-474.823 χ^2/NDF:39.3/33

Out: -933.404+/-472.292 χ^2/NDF:30.3/36

All: -817.903+/-334.852 χ^2/NDF: 69.8/70



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

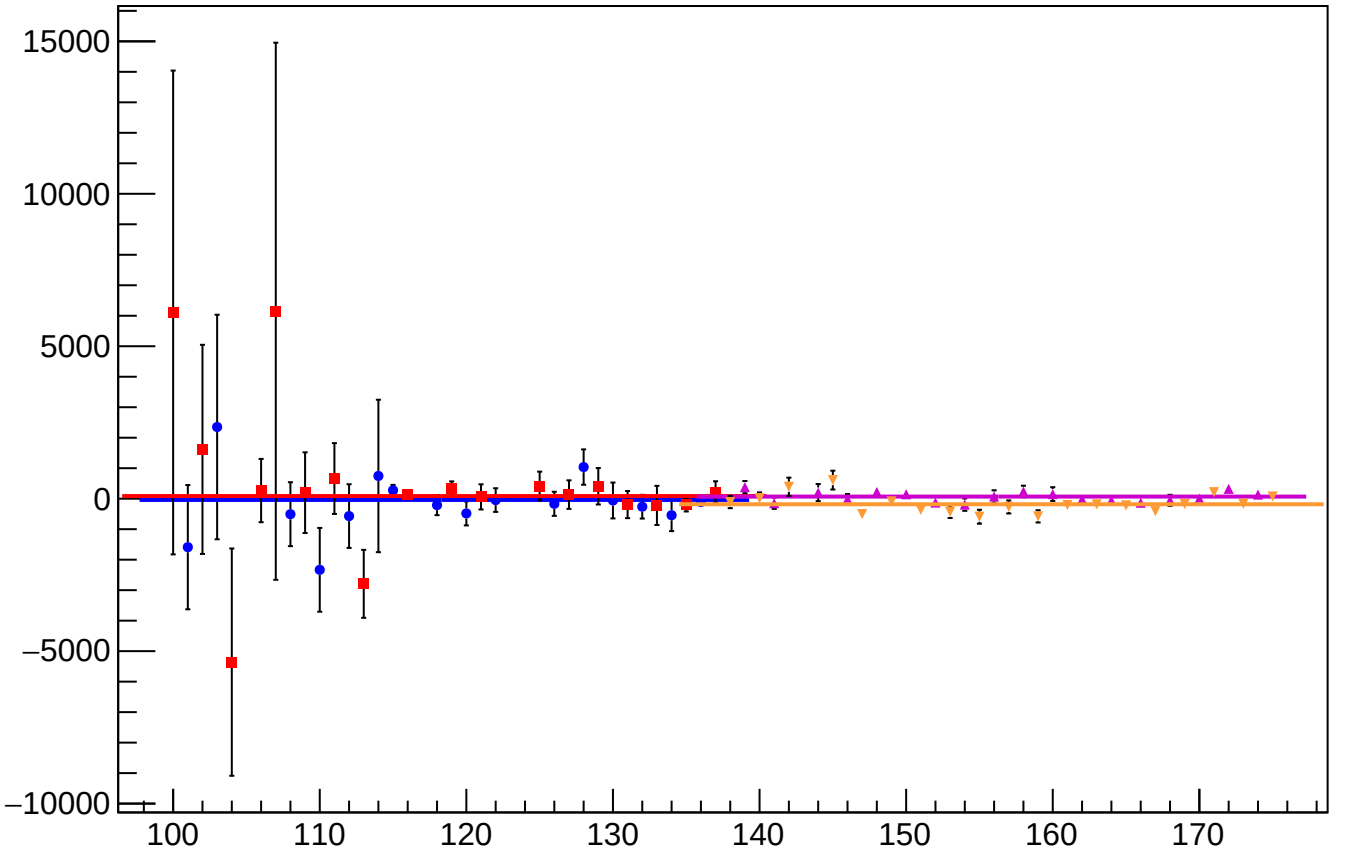
Left: 2180.434+/-0.282 χ^2/NDF: 2108.1/36

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2219.652+/-0.336 χ^2/NDF:544960.4/33

Out: 2223.396+/-0.334 χ^2/NDF:211250.0/36

All: 2221.534+/-0.237 χ^2/NDF: 756273.0/70



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -182.096+/-37.803 χ^2/NDF:39.6/18

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 69.317+/-37.979 χ^2/NDF:17.8/17

Left: -56.972+/-26.793 χ^2/NDF: 79.4/36

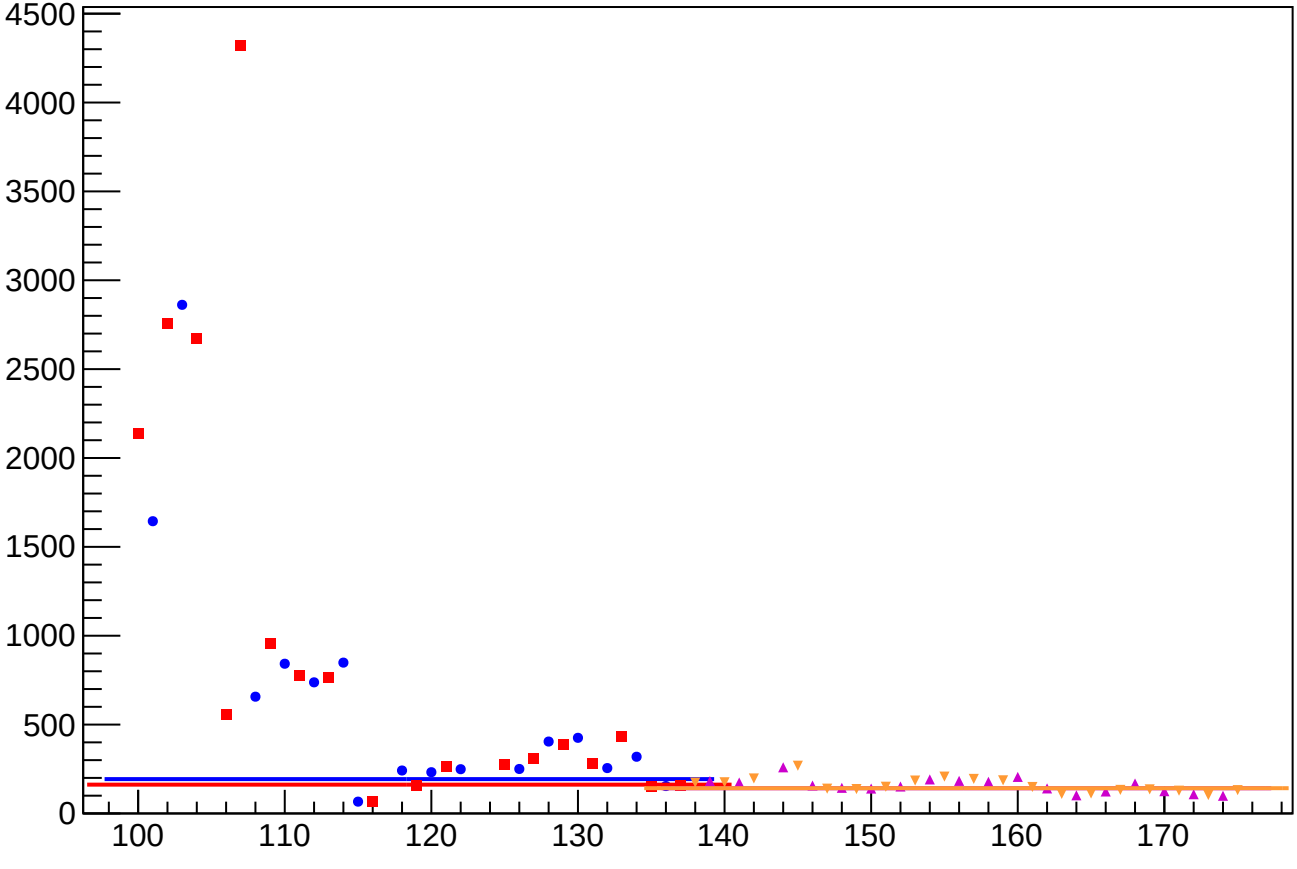
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 53.503+/-35.128 χ^2/NDF:33.1/33

Out: -138.696+/-34.613 χ^2/NDF:62.7/36

All: -44.015+/-24.655 χ^2/NDF: 111.0/70

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.119+/-0.027 χ^2/NDF:1476931.9/18

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 141.693+/-0.027 χ^2/NDF:1693601.3/17

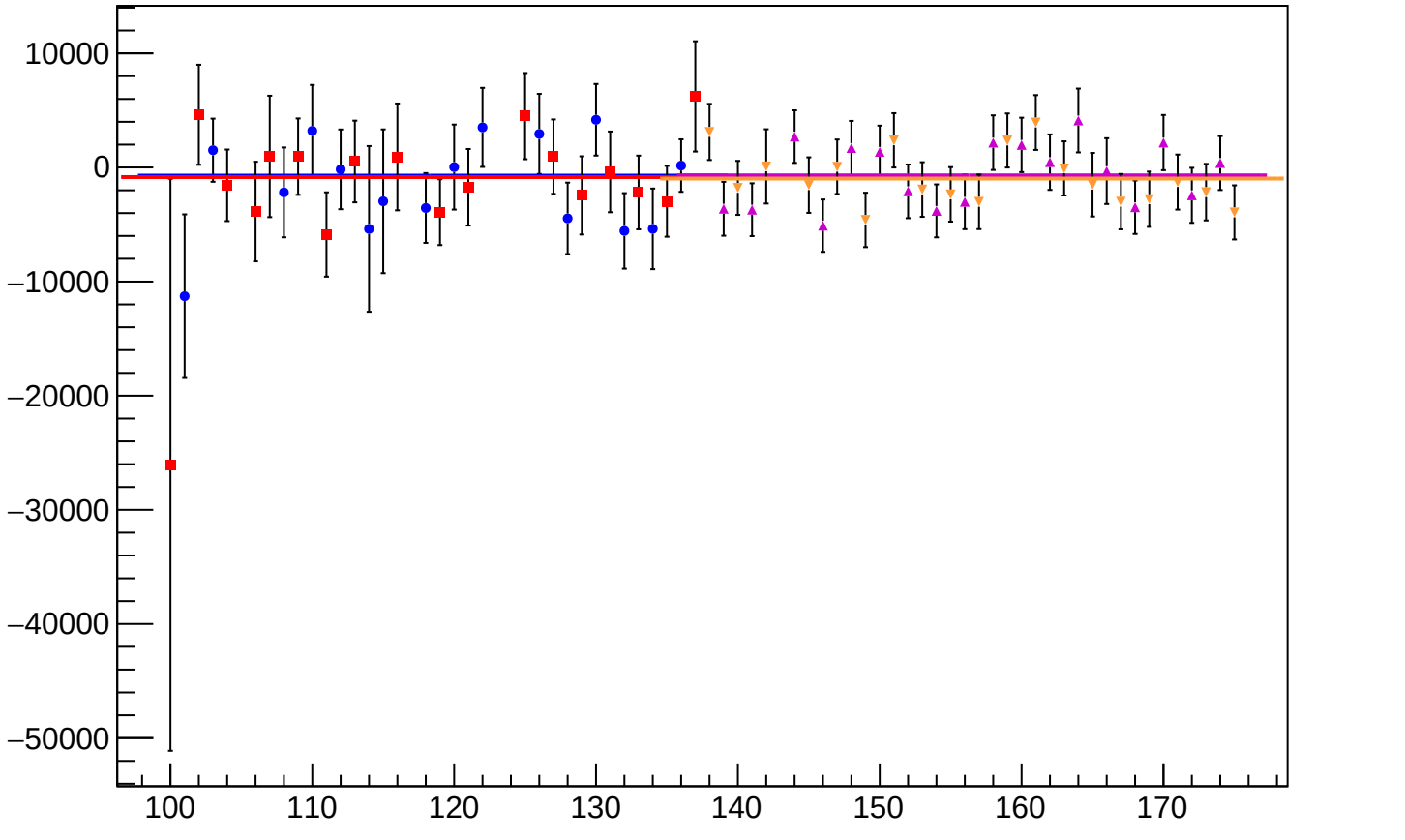
Left: 141.907+/-0.019 χ^2/NDF: 3170659.8/36

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 149.144+/-0.025 χ^2/NDF:7844143.7/33

Out: 145.352+/-0.024 χ^2/NDF:8637867.0/36

All: 147.220+/-0.017 χ^2/NDF: 16493837.7/70



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.091+/-561.413 χ^2/NDF:18.2/18

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -694.460+/-565.691 χ^2/NDF:23.5/17

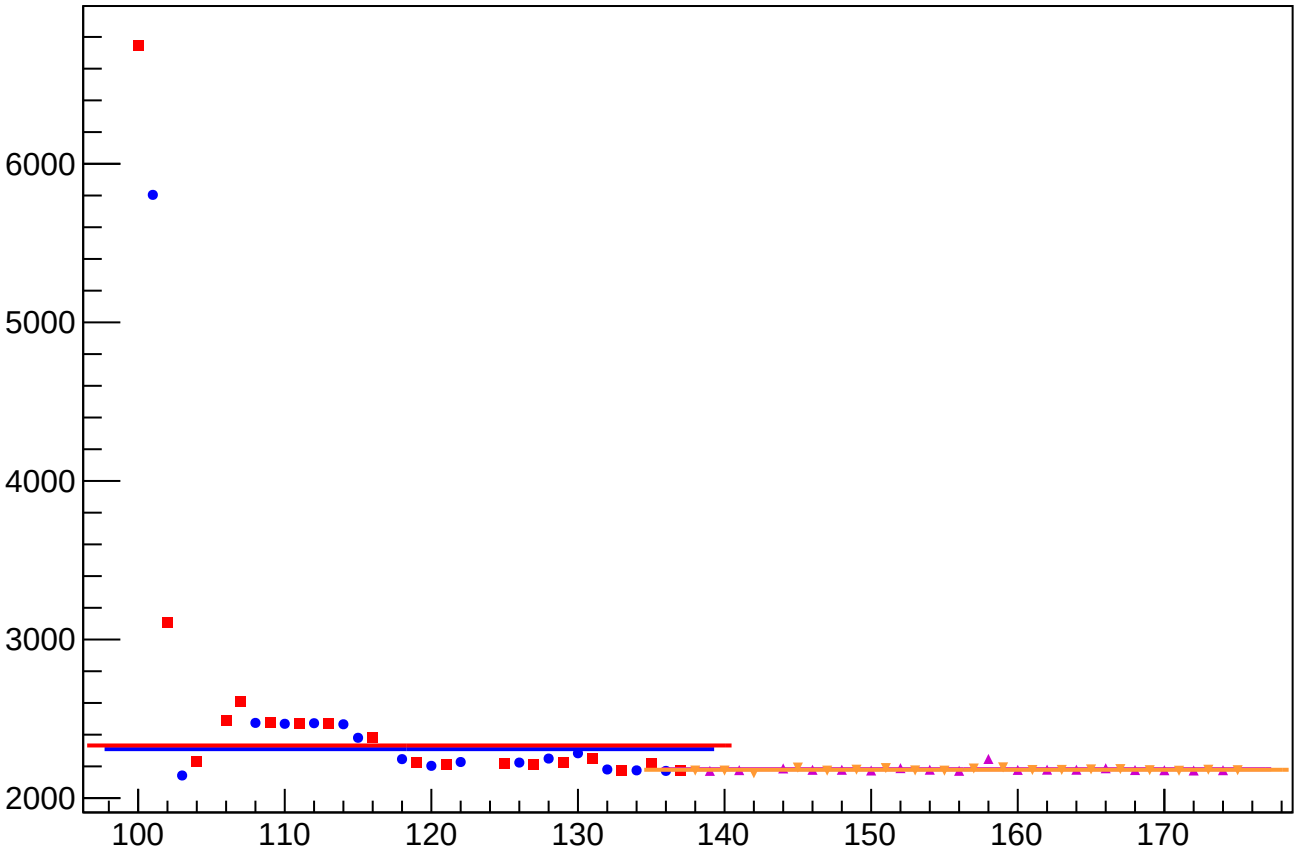
Left: -833.825+/-398.483 χ^2/NDF: 41.7/36

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -701.160+/-474.823 χ^2/NDF:39.3/33

Out: -933.406+/-472.292 χ^2/NDF:30.3/36

All: -817.903+/-334.852 χ^2/NDF: 69.8/70



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

Left: 2180.434+/-0.282 χ^2/NDF: 2108.1/36

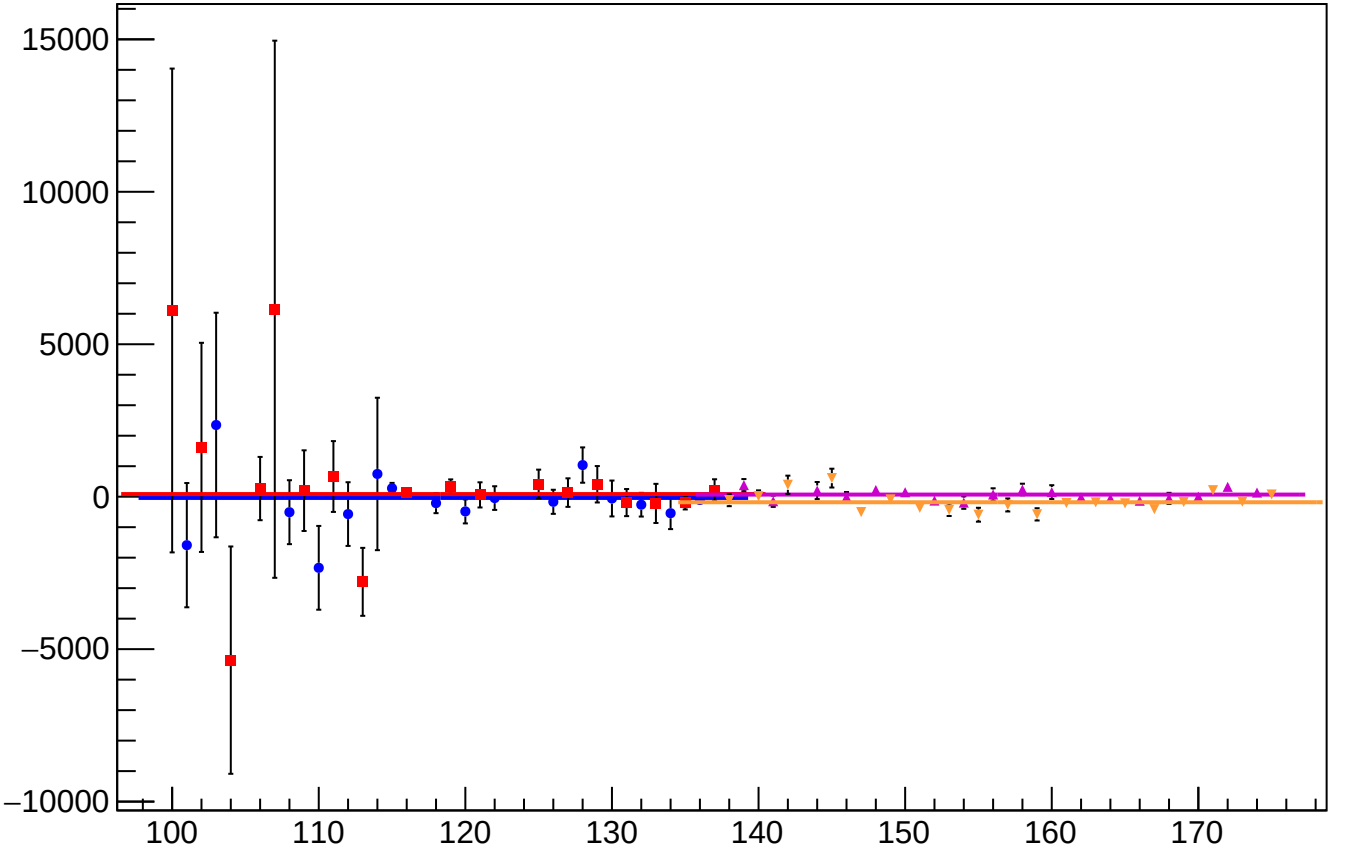
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2219.652+/-0.336 χ^2/NDF:544960.4/33

Out: 2223.396+/-0.334 χ^2/NDF:211249.9/36

All: 2221.534+/-0.237 χ^2/NDF: 756272.8/70

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -182.097+/-37.803 χ^2/NDF:39.6/18

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 69.316+/-37.979 χ^2/NDF:17.8/17

Left: -56.973+/-26.793 χ^2/NDF: 79.4/36

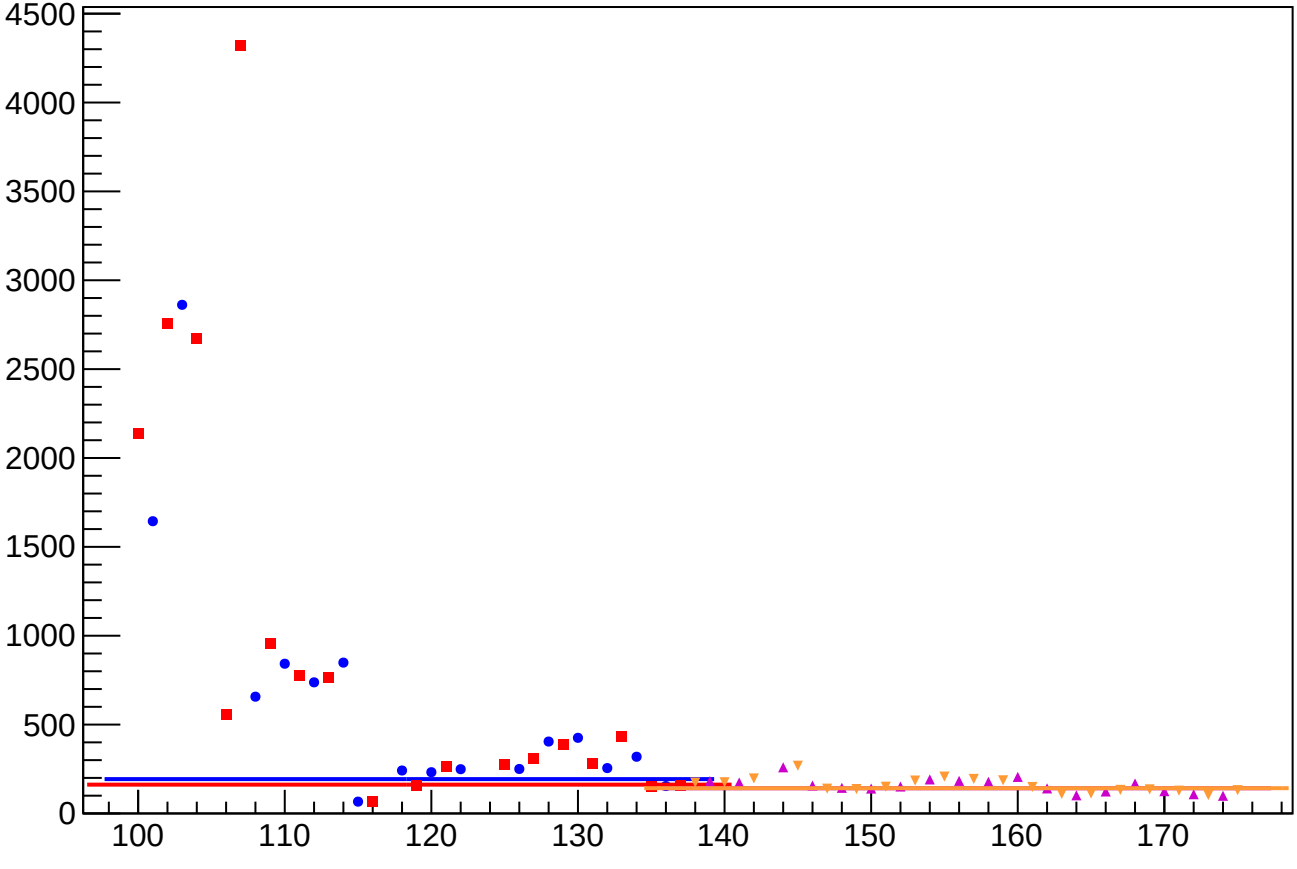
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 53.502+/-35.128 χ^2/NDF:33.1/33

Out: -138.695+/-34.613 χ^2/NDF:62.7/36

All: -44.015+/-24.655 χ^2/NDF: 111.0/70

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.120+/-0.027 χ^2/NDF:1476940.3/18

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 141.694+/-0.027 χ^2/NDF:1693631.6/17

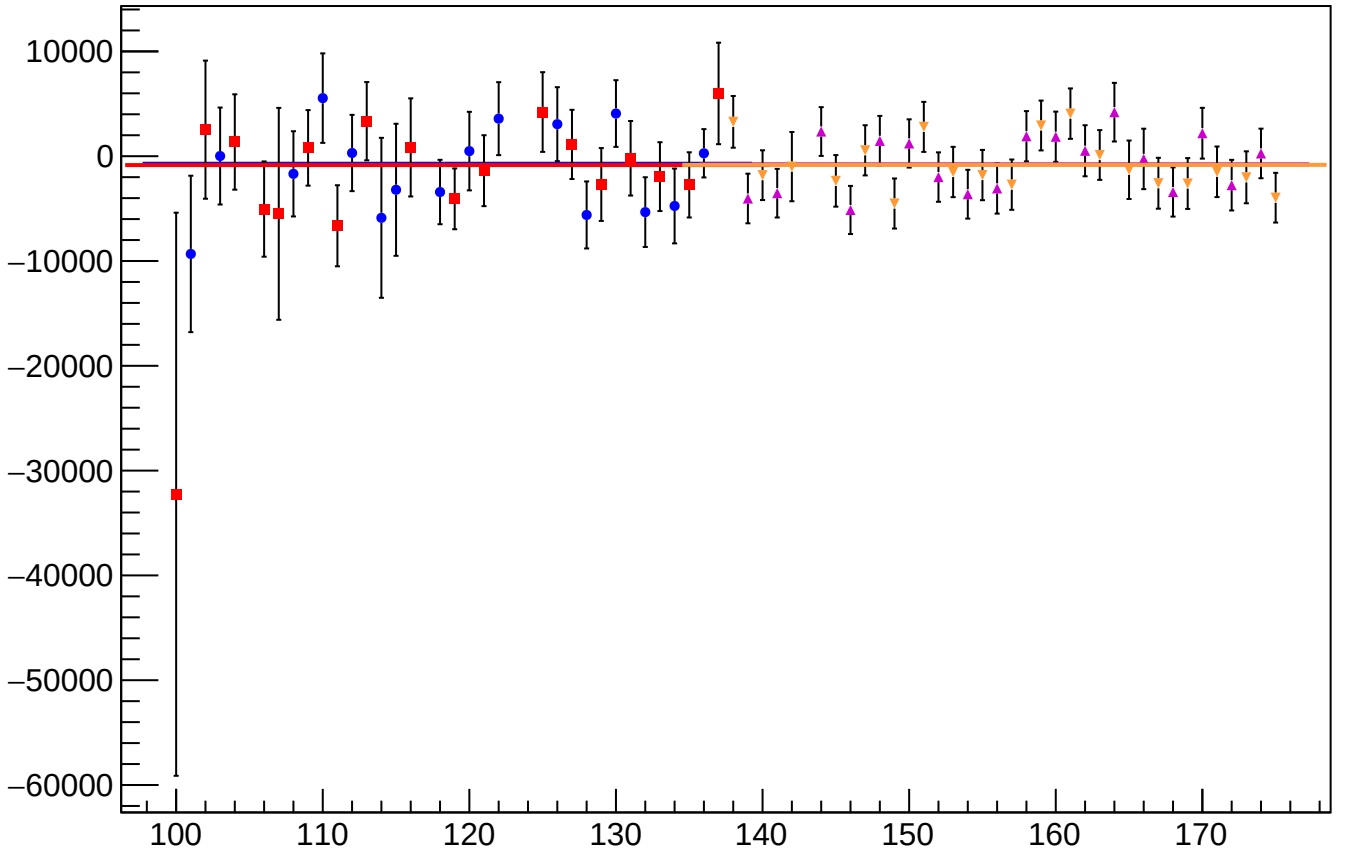
Left: 141.908+/-0.019 χ^2/NDF: 3170698.3/36

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 149.144+/-0.025 χ^2/NDF:7844166.5/33

Out: 145.352+/-0.024 χ^2/NDF:8637913.4/36

All: 147.220+/-0.017 χ^2/NDF: 16493908.1/70



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -825.998+/-563.206 χ^2/NDF:19.1/18

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -774.705+/-567.290 χ^2/NDF:22.6/17

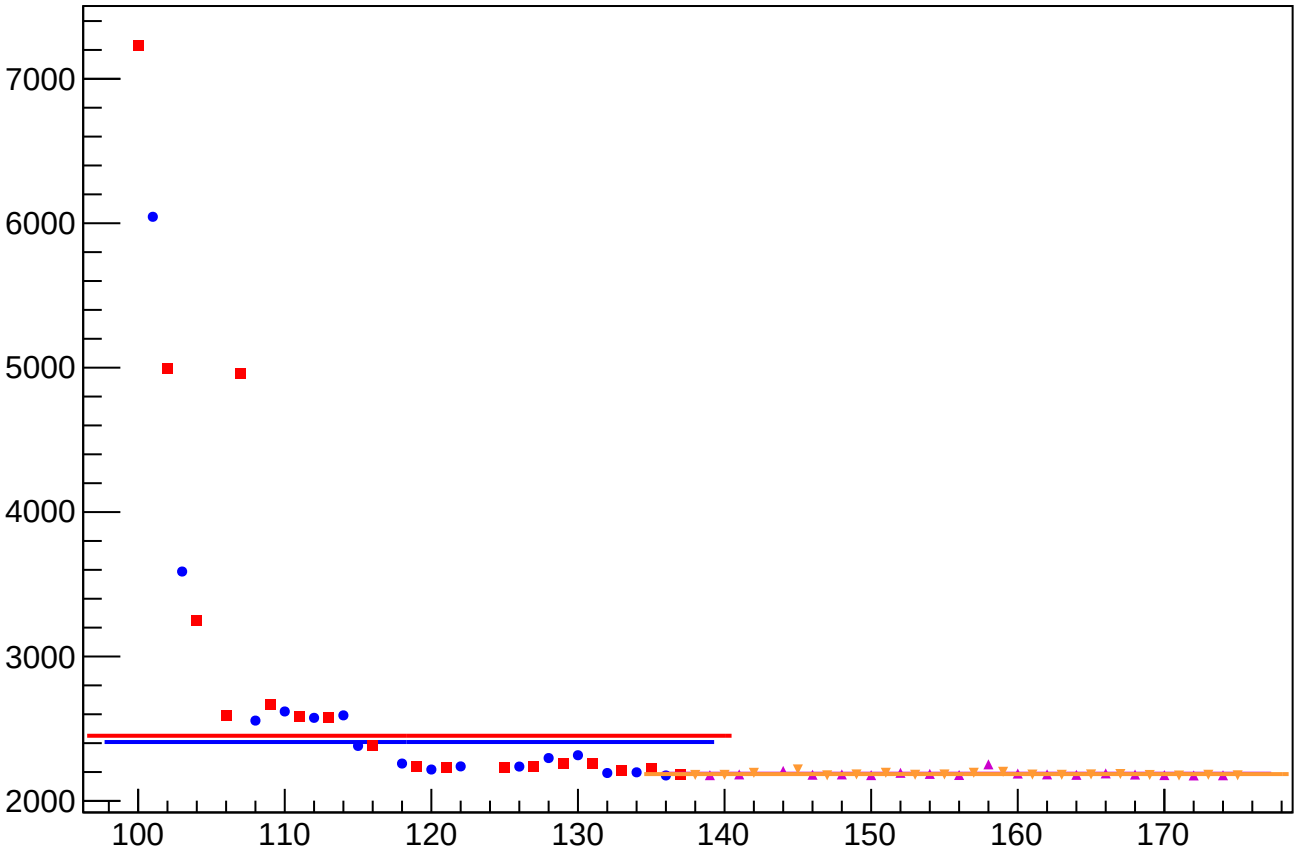
Left: -800.537+/-399.683 χ^2/NDF: 41.7/36

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -759.424+/-482.323 χ^2/NDF:38.4/33

Out: -831.056+/-481.571 χ^2/NDF:32.1/36

All: -795.296+/-340.788 χ^2/NDF: 70.5/70



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.723+/-0.398 χ^2/NDF:655.6/18

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.450+/-0.401 χ^2/NDF:1897.6/17

Left: 2187.077+/-0.283 χ^2/NDF: 2576.5/36

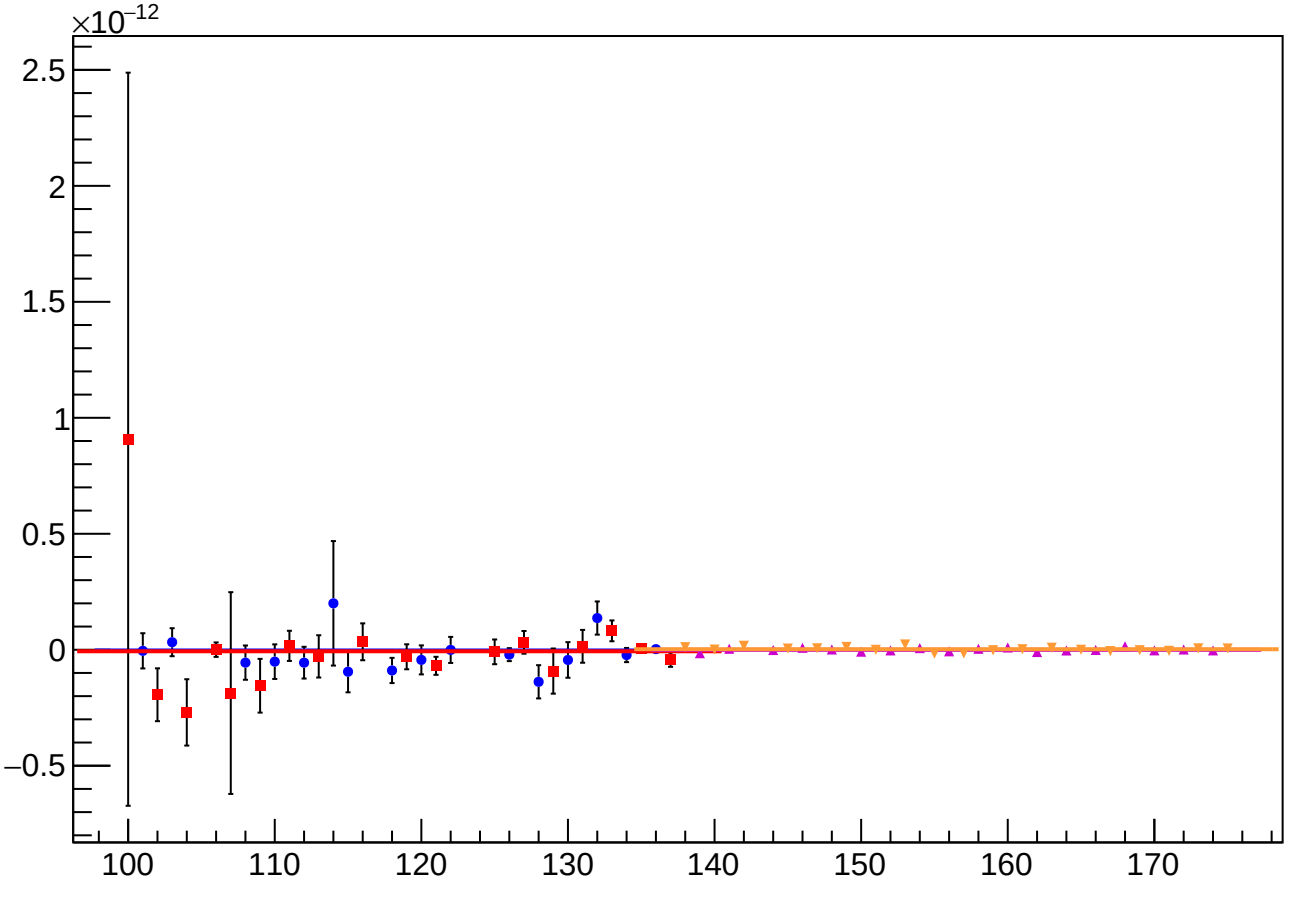
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2249.235+/-0.341 χ^2/NDF:761648.4/33

Out: 2257.103+/-0.341 χ^2/NDF:753731.8/36

All: 2253.175+/-0.241 χ^2/NDF: 1515646.7/70

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.6/17

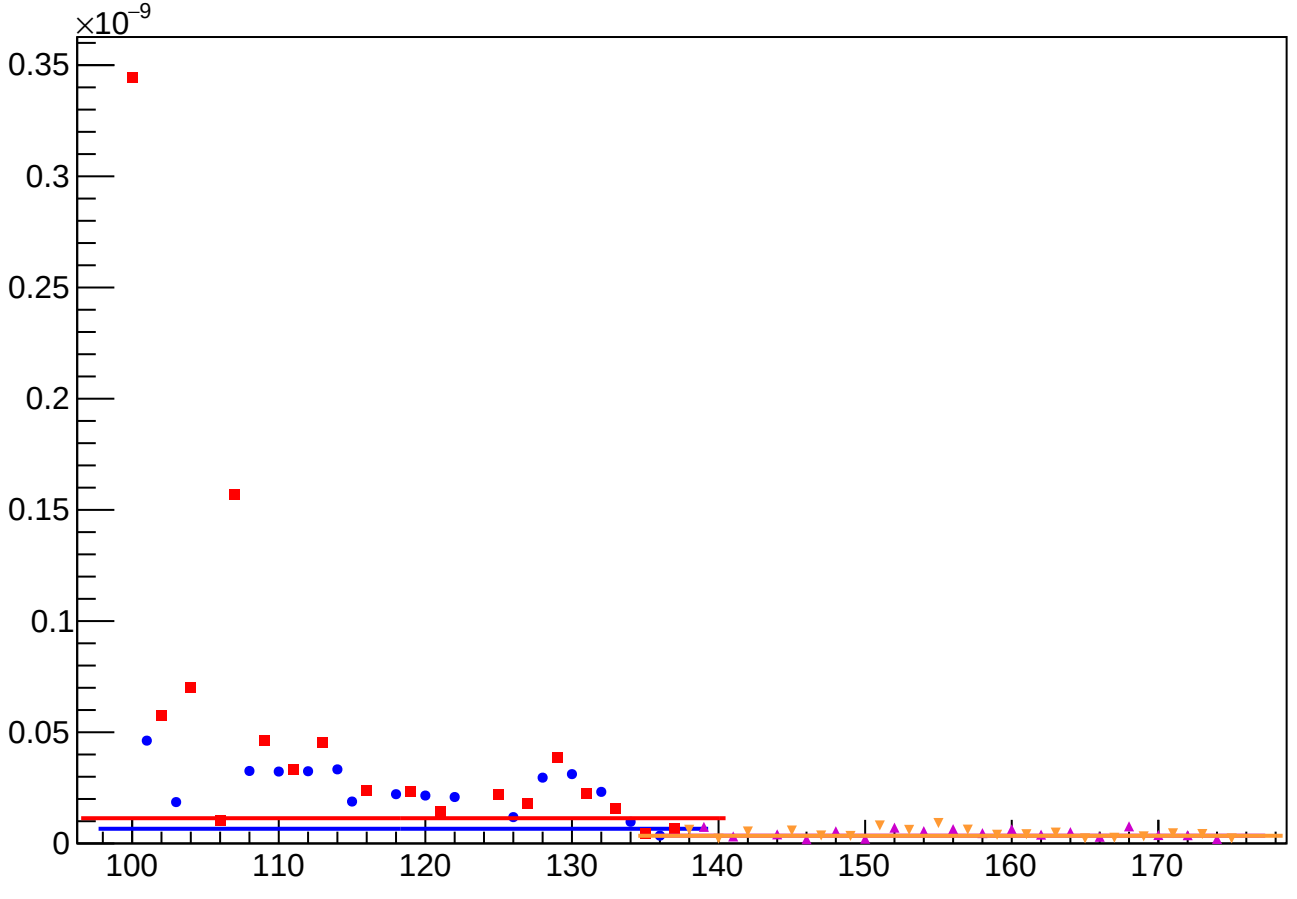
Left: 0.000+/-0.000 χ^2/NDF: 30.5/36

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.4/33

Out: 0.000+/-0.000 χ^2/NDF:36.4/36

All: 0.000+/-0.000 χ^2/NDF: 66.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636376.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1566553.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3203416.0/36

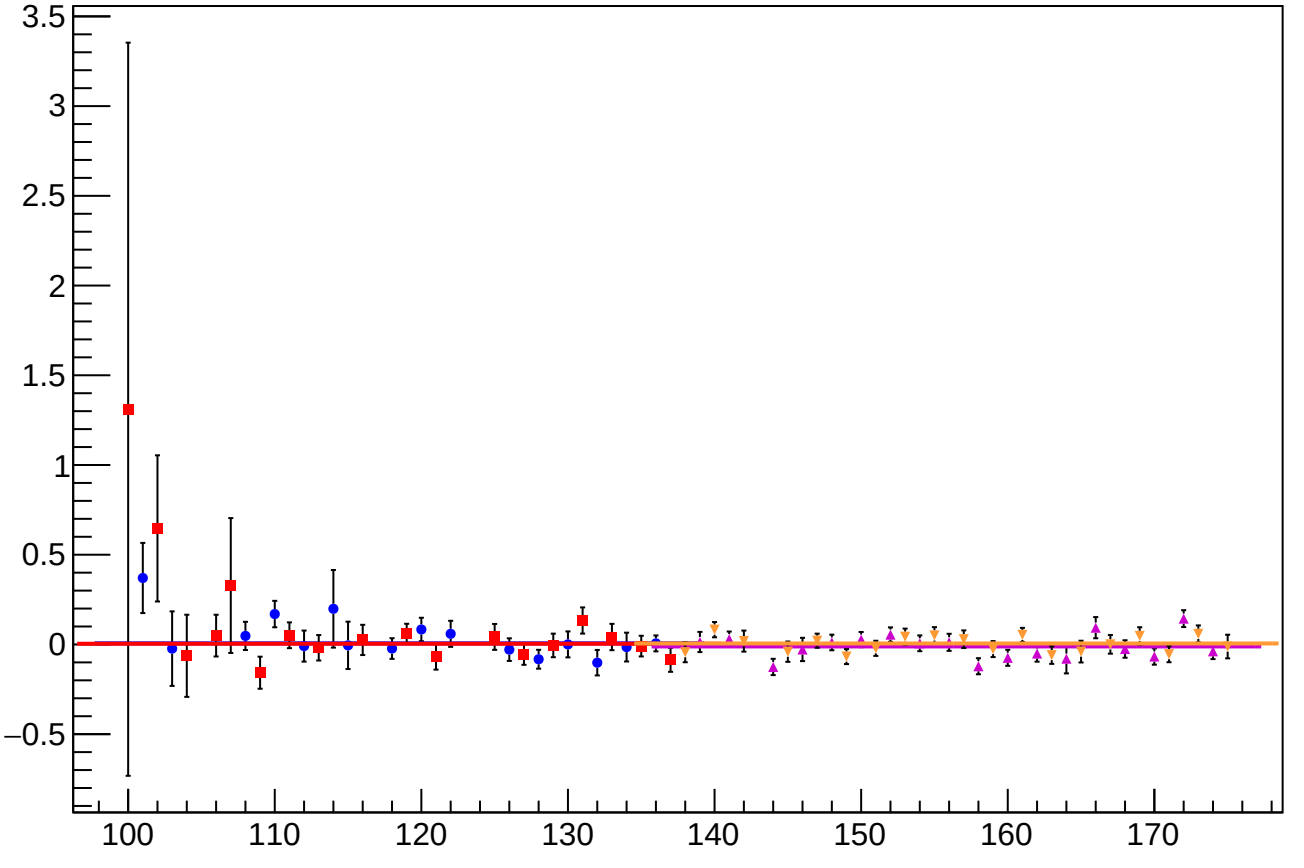
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4874463.3/33

Out: 0.000+/-0.000 χ^2/NDF:5605126.3/36

All: 0.000+/-0.000 χ^2/NDF: 10480566.9/70

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

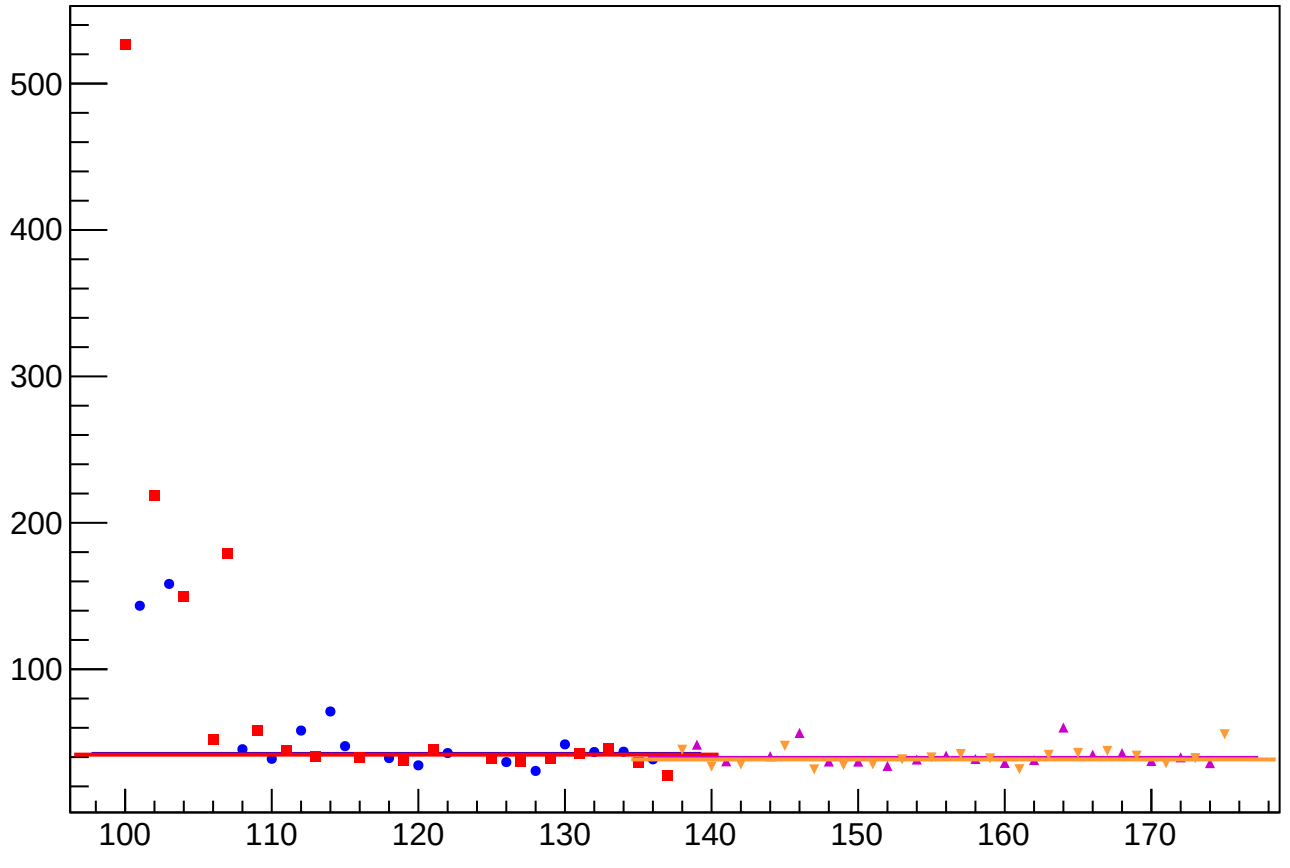
Left: -0.003+/-0.008 χ^2/NDF: 56.7/36

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.001+/-0.007 χ^2/NDF: 90.4/70



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

Left: 38.902+/-0.006 χ^2/NDF: 900334.4/36

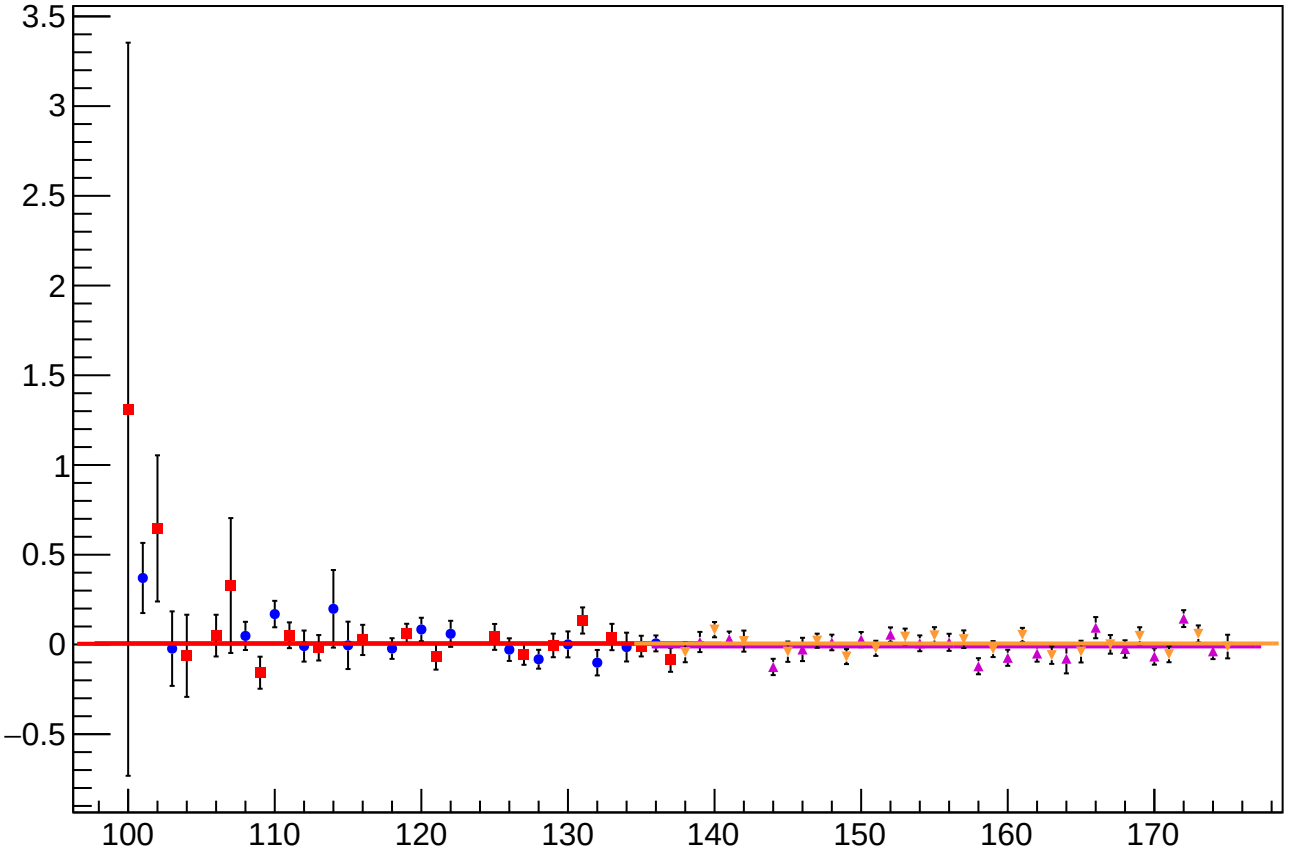
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.179+/-0.007 χ^2/NDF:1908668.1/33

Out: 39.233+/-0.007 χ^2/NDF:1957661.0/36

All: 39.700+/-0.005 χ^2/NDF: 3876347.6/70

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/36

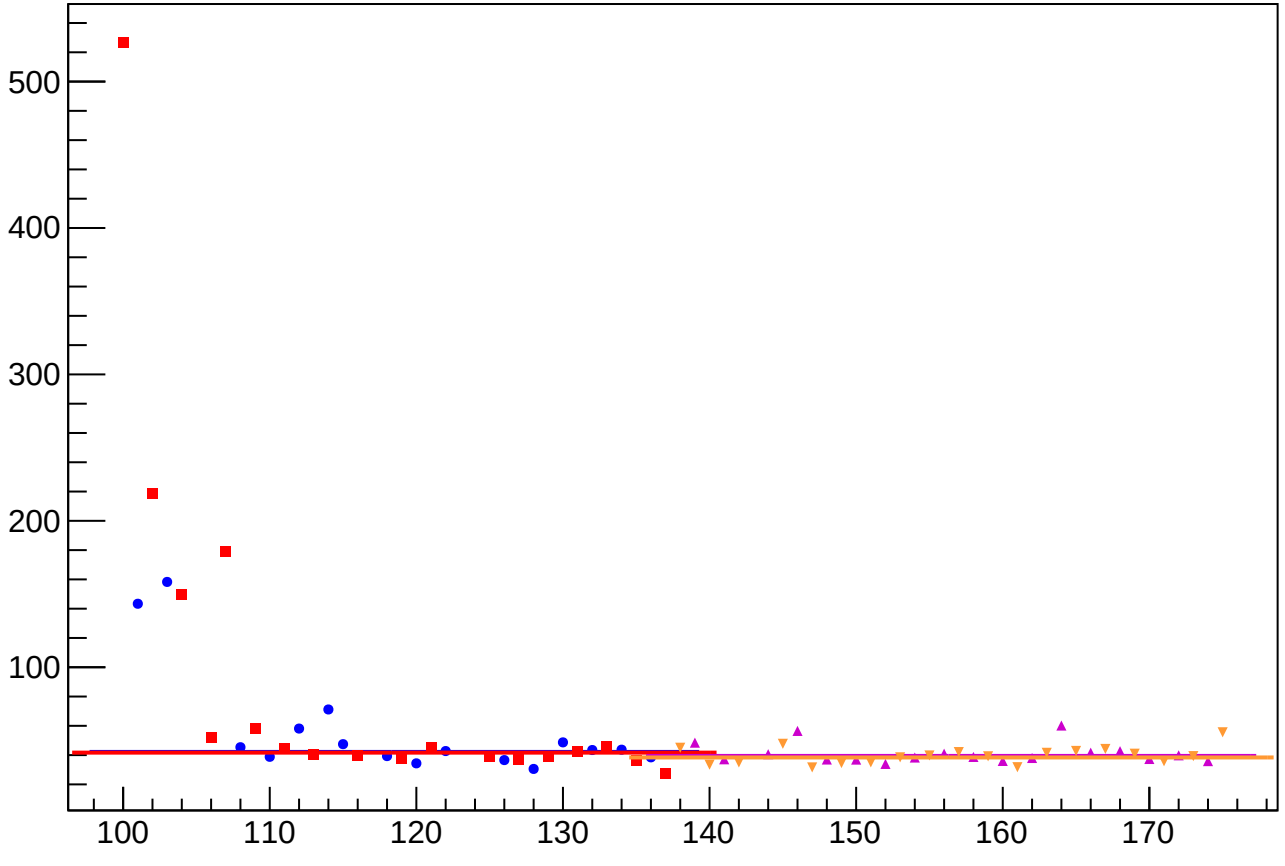
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.001+/-0.007 χ^2/NDF: 90.4/70

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

Left: 38.902+/-0.006 χ^2/NDF: 900334.4/36

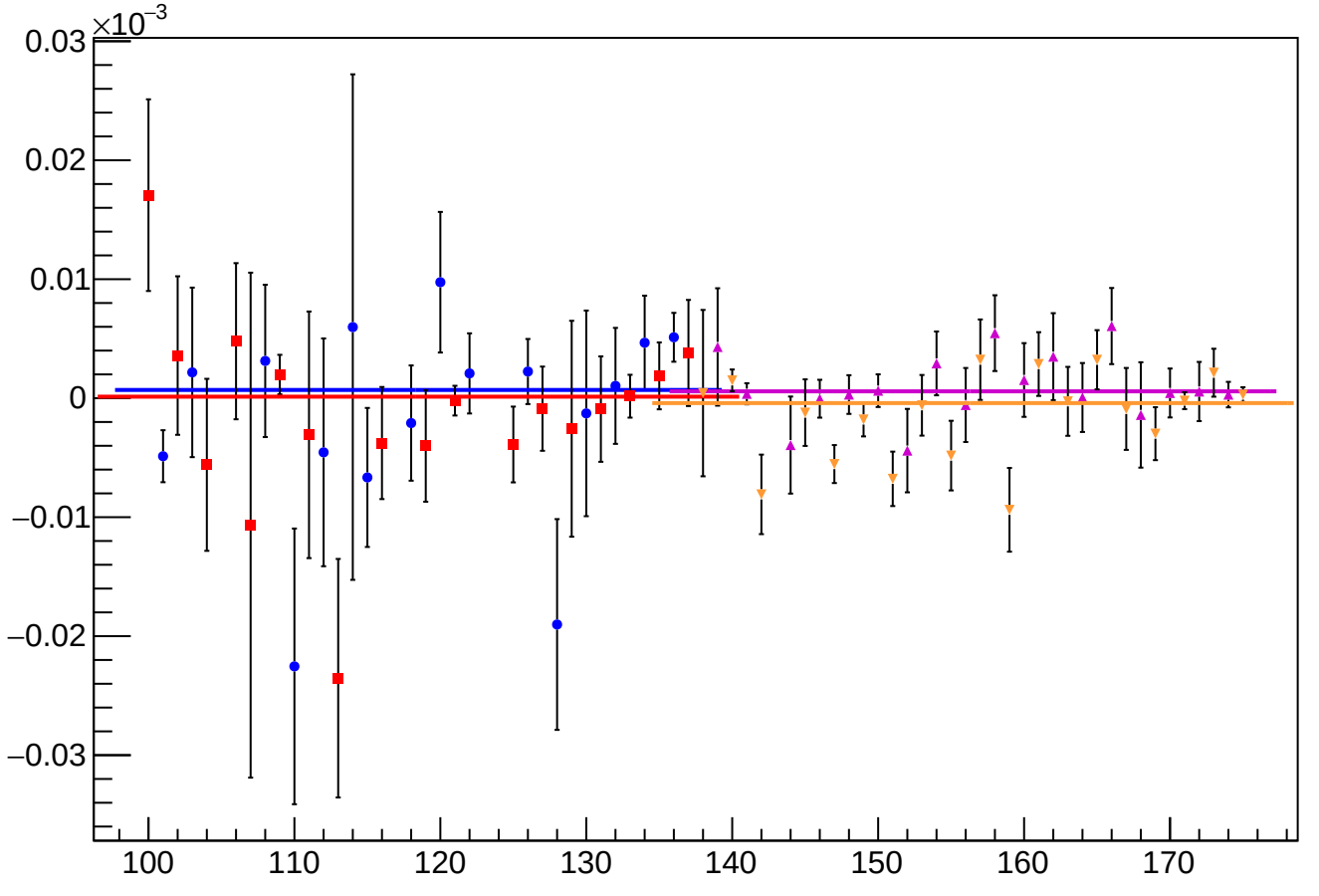
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.179+/-0.007 χ^2/NDF:1908668.1/33

Out: 39.233+/-0.007 χ^2/NDF:1957661.0/36

All: 39.700+/-0.005 χ^2/NDF: 3876347.6/70

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/17

Left: -0.000+/-0.000 χ^2/NDF: 60.9/36

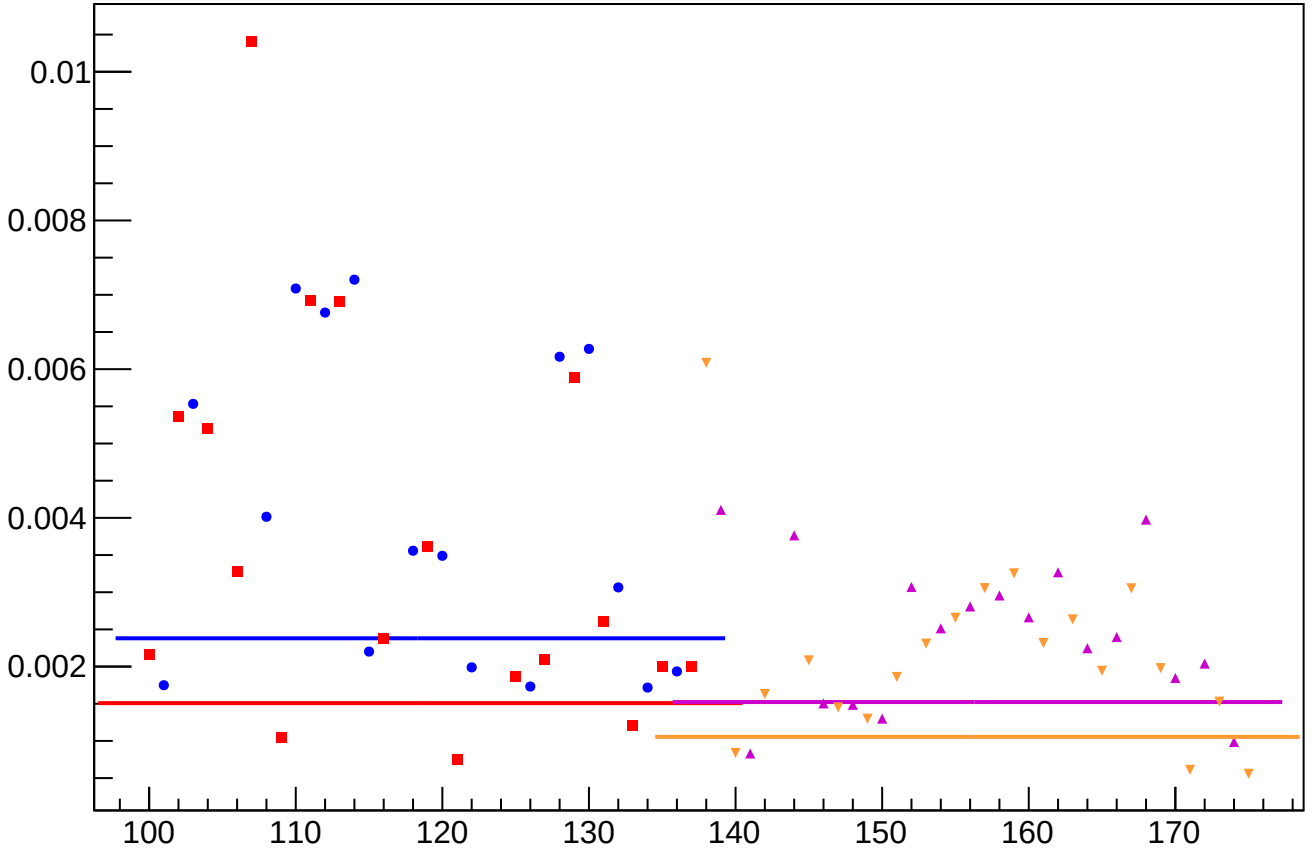
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.8/33

Out: -0.000+/-0.000 χ^2/NDF:64.5/36

All: 0.000+/-0.000 χ^2/NDF: 105.4/70

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:8957952.0/18

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:6085068.1/17

Left: 0.001+/-0.000 χ^2/NDF: 16392124.4/36

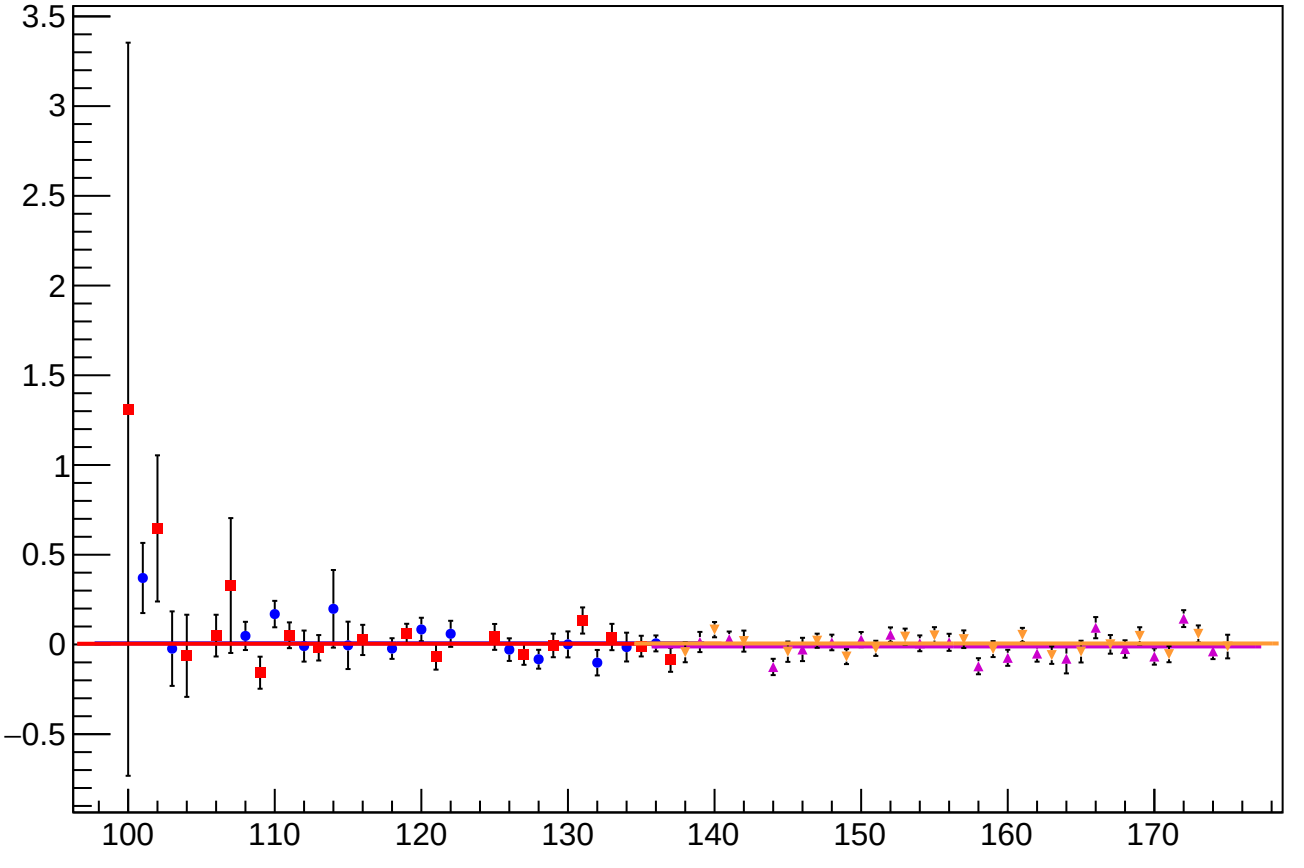
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:10100690.2/33

Out: 0.001+/-0.000 χ^2/NDF:14606733.7/36

All: 0.001+/-0.000 χ^2/NDF: 26779956.0/70

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/36

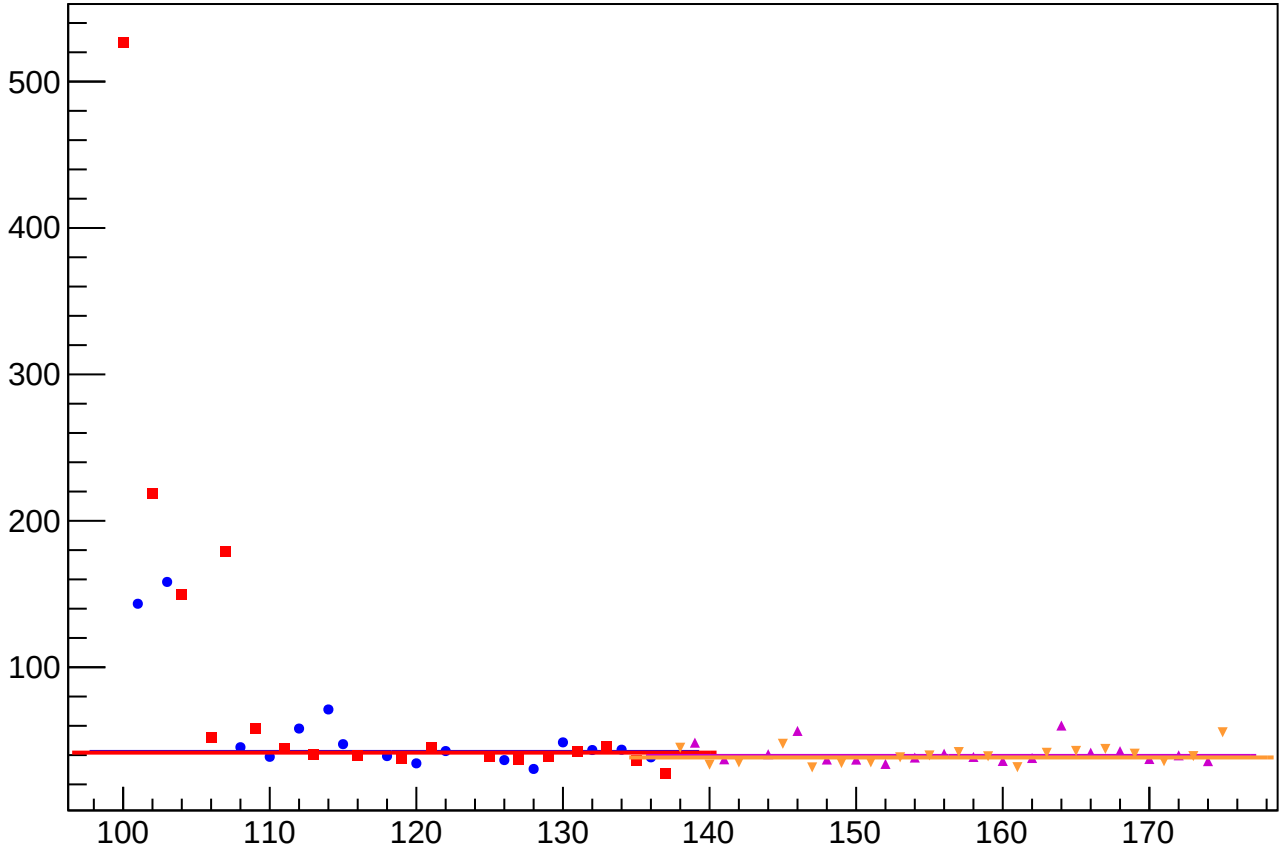
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.001+/-0.007 χ^2/NDF: 90.4/70

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.391+/-0.008 χ^2/NDF:469448.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

Left: 38.902+/-0.006 χ^2/NDF: 900355.4/36

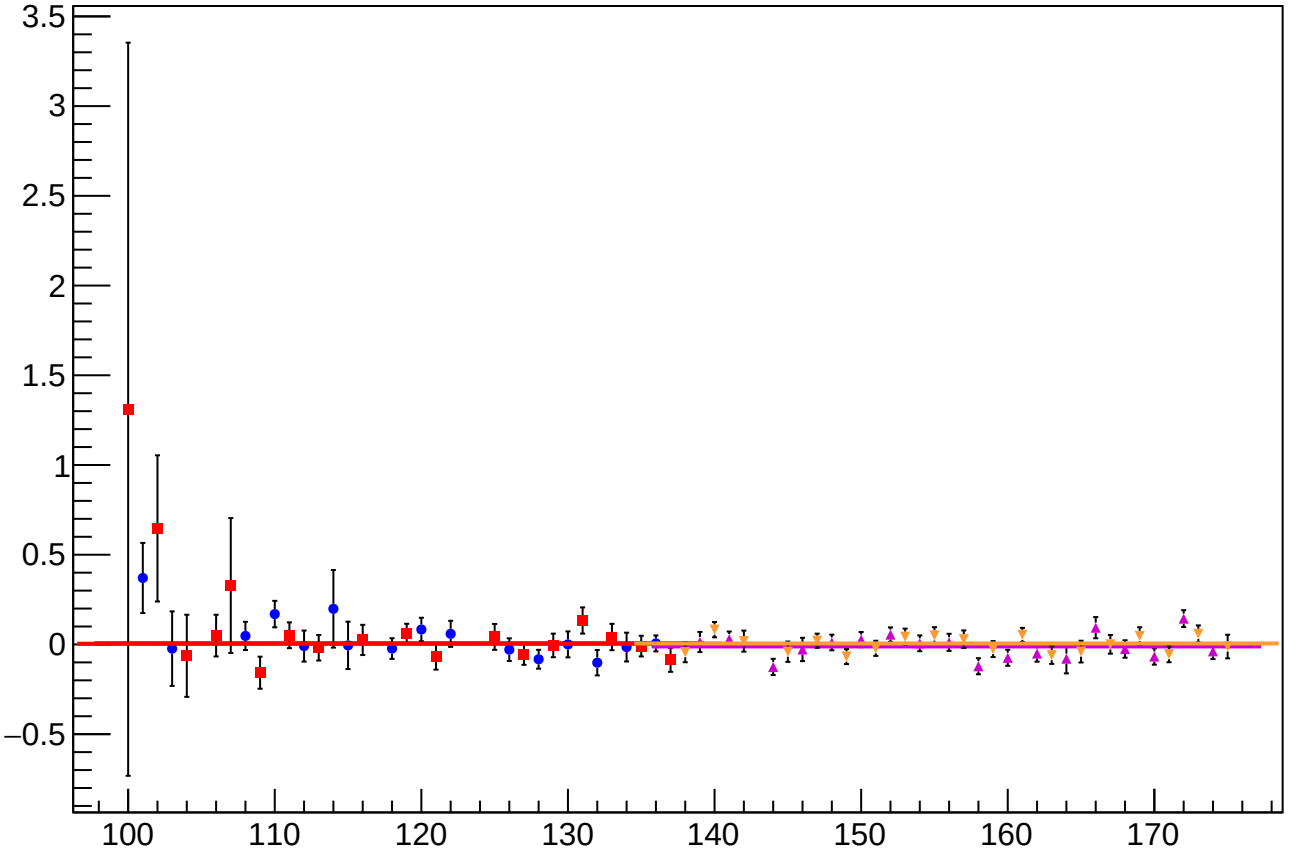
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.179+/-0.007 χ^2/NDF:1908864.1/33

Out: 39.233+/-0.007 χ^2/NDF:1957634.8/36

All: 39.700+/-0.005 χ^2/NDF: 3876500.2/70

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/36

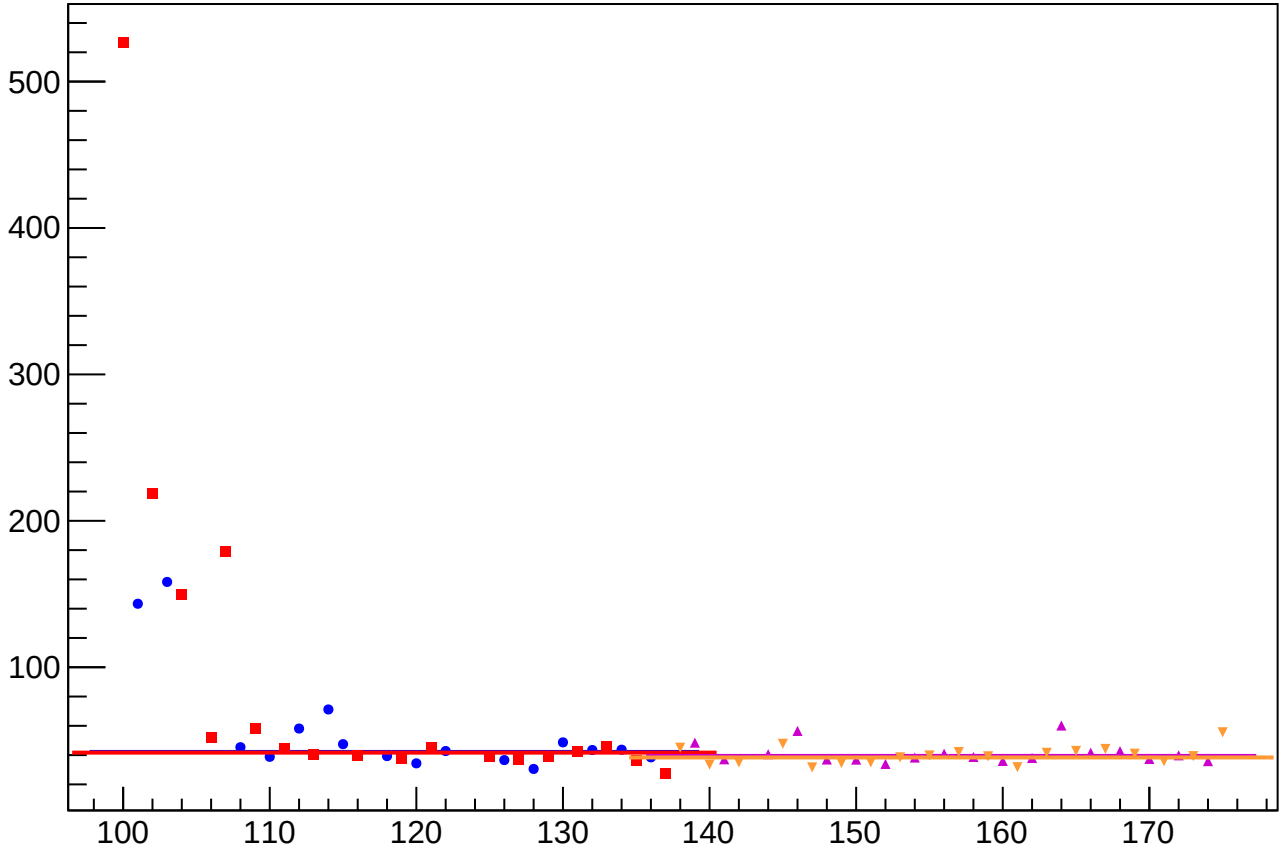
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.001+/-0.007 χ^2/NDF: 90.4/70

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.391+/-0.008 χ^2/NDF:469448.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

Left: 38.902+/-0.006 χ^2/NDF: 900355.4/36

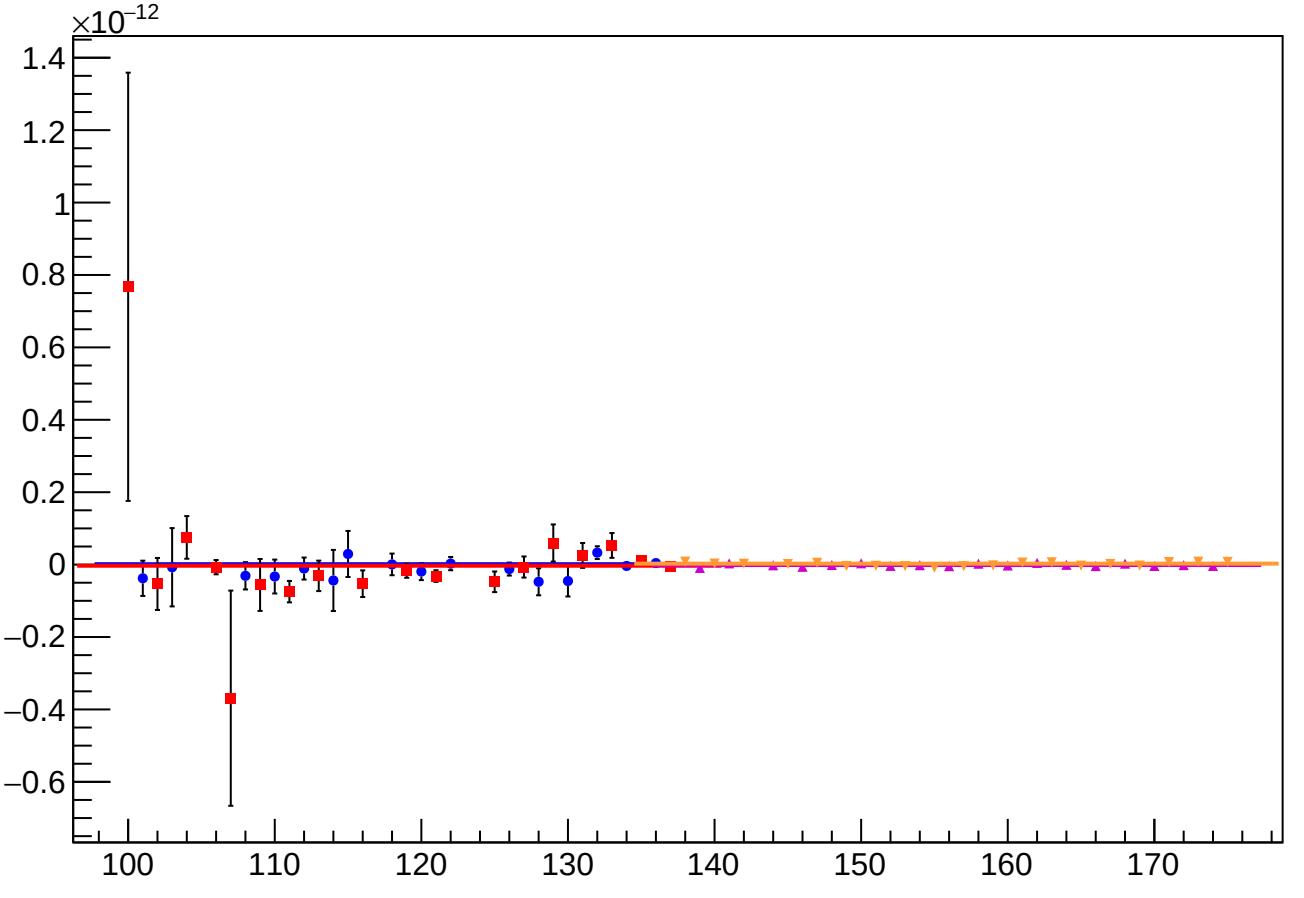
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.179+/-0.007 χ^2/NDF:1908864.1/33

Out: 39.233+/-0.007 χ^2/NDF:1957634.8/36

All: 39.700+/-0.005 χ^2/NDF: 3876500.2/70

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/17

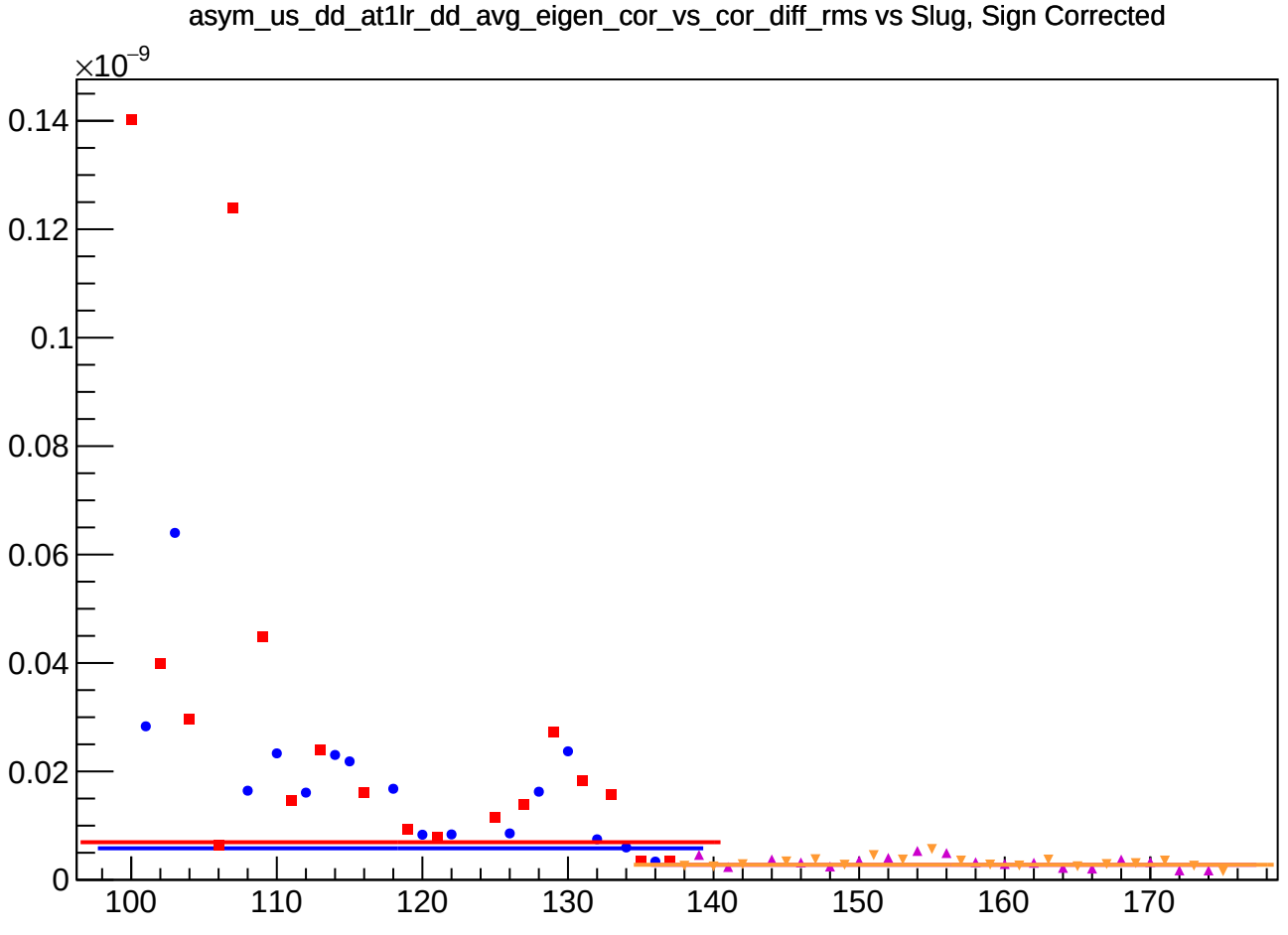
Left: 0.000+/-0.000 χ^2/NDF: 39.4/36

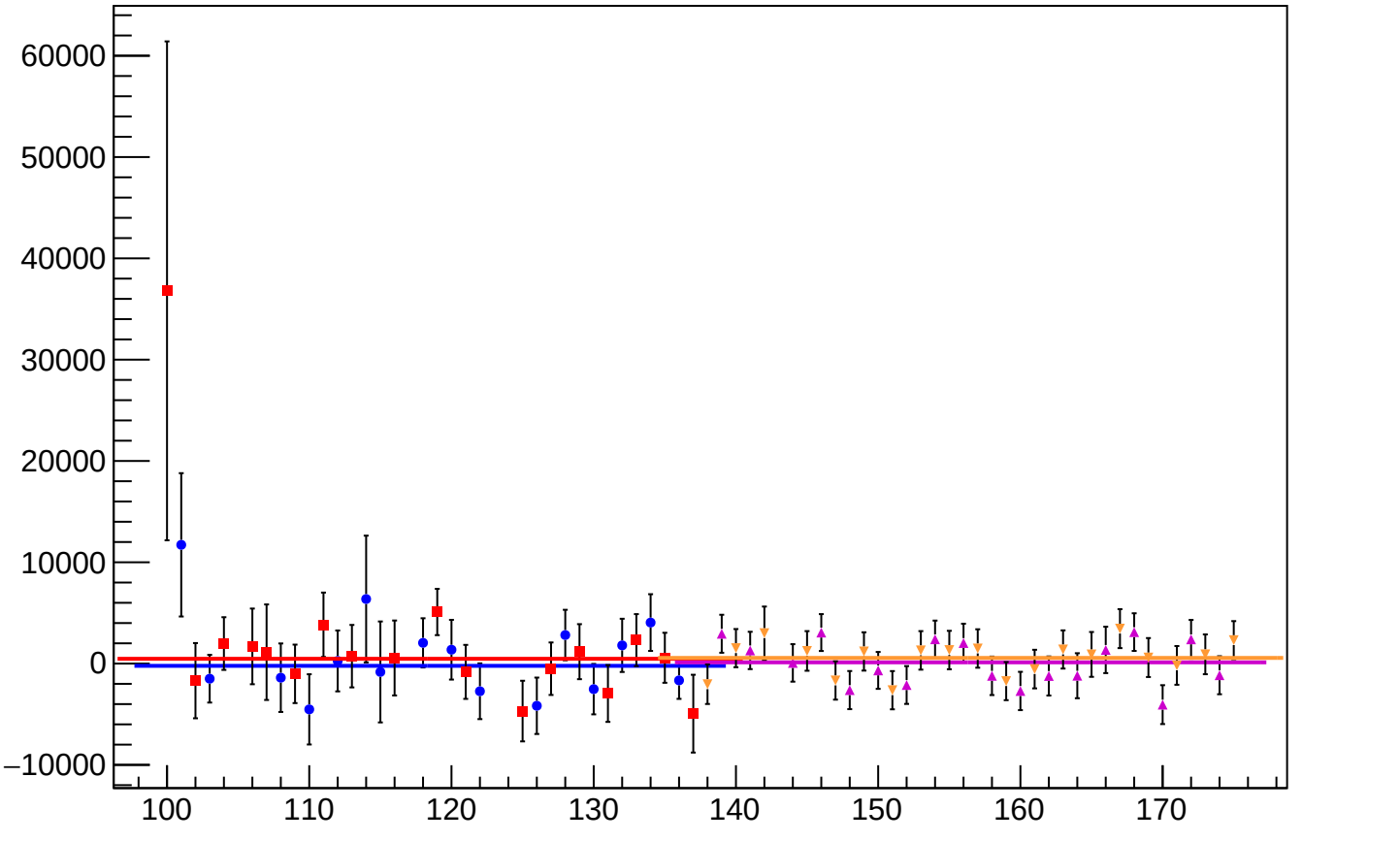
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:21.1/33

Out: 0.000+/-0.000 χ^2/NDF:52.1/36

All: 0.000+/-0.000 χ^2/NDF: 79.4/70


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1258033.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1598472.6/17
Left: 0.000+/-0.000 χ²/NDF: 2856627.7/36
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:6022992.3/33
Out: 0.000+/-0.000 χ²/NDF:6518473.6/36
All: 0.000+/-0.000 χ²/NDF: 12541479.3/70



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 559.003+/-446.180 χ^2/NDF:13.3/18

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 121.369+/-449.449 χ^2/NDF:24.6/17

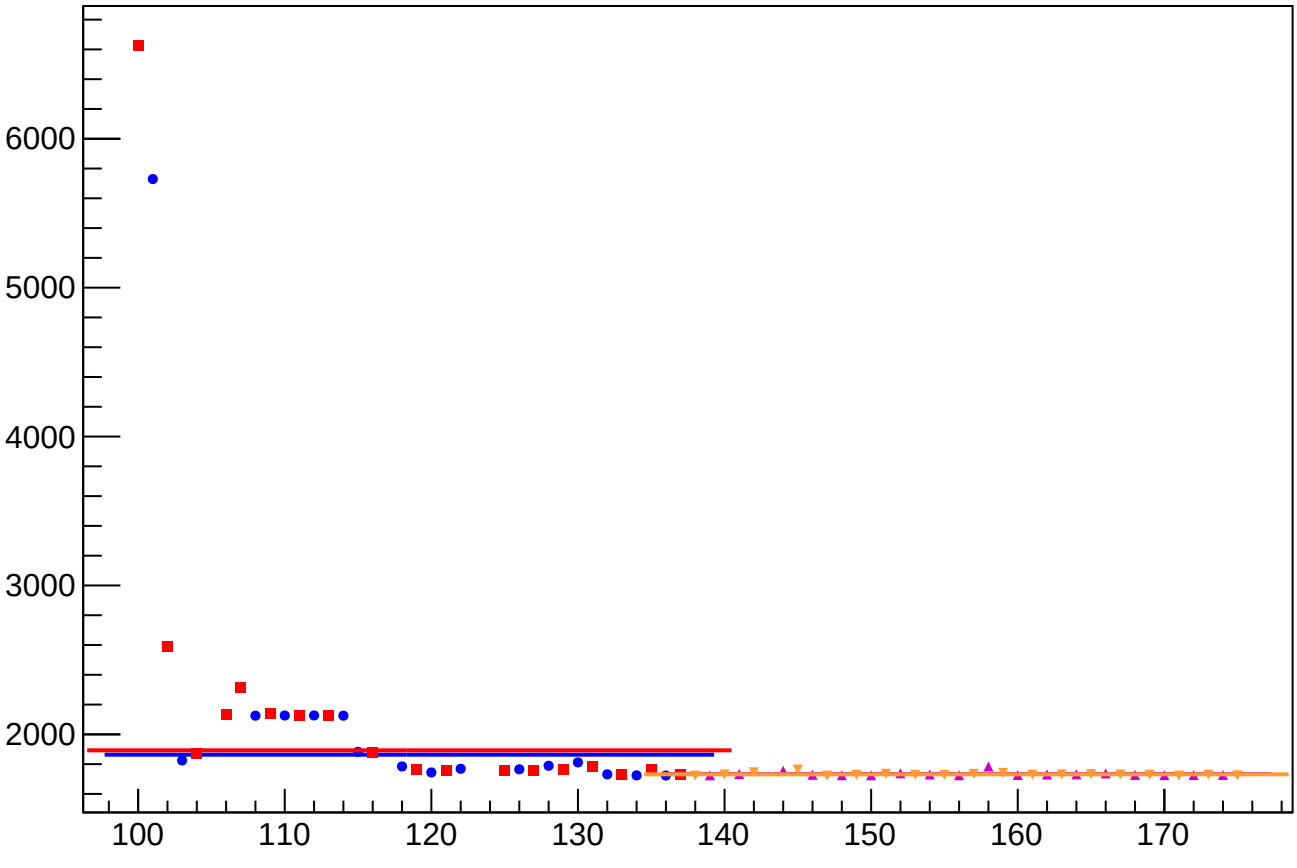
Left: 341.783+/-316.646 χ^2/NDF: 38.3/36

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 22.688+/-379.626 χ^2/NDF:40.6/33

Out: 534.561+/-377.999 χ^2/NDF:29.2/36

All: 279.723+/-267.859 χ^2/NDF: 70.7/70



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.850+/-0.318 χ^2/NDF:2038.4/17

Left: 1732.692+/-0.224 χ^2/NDF: 2876.5/36

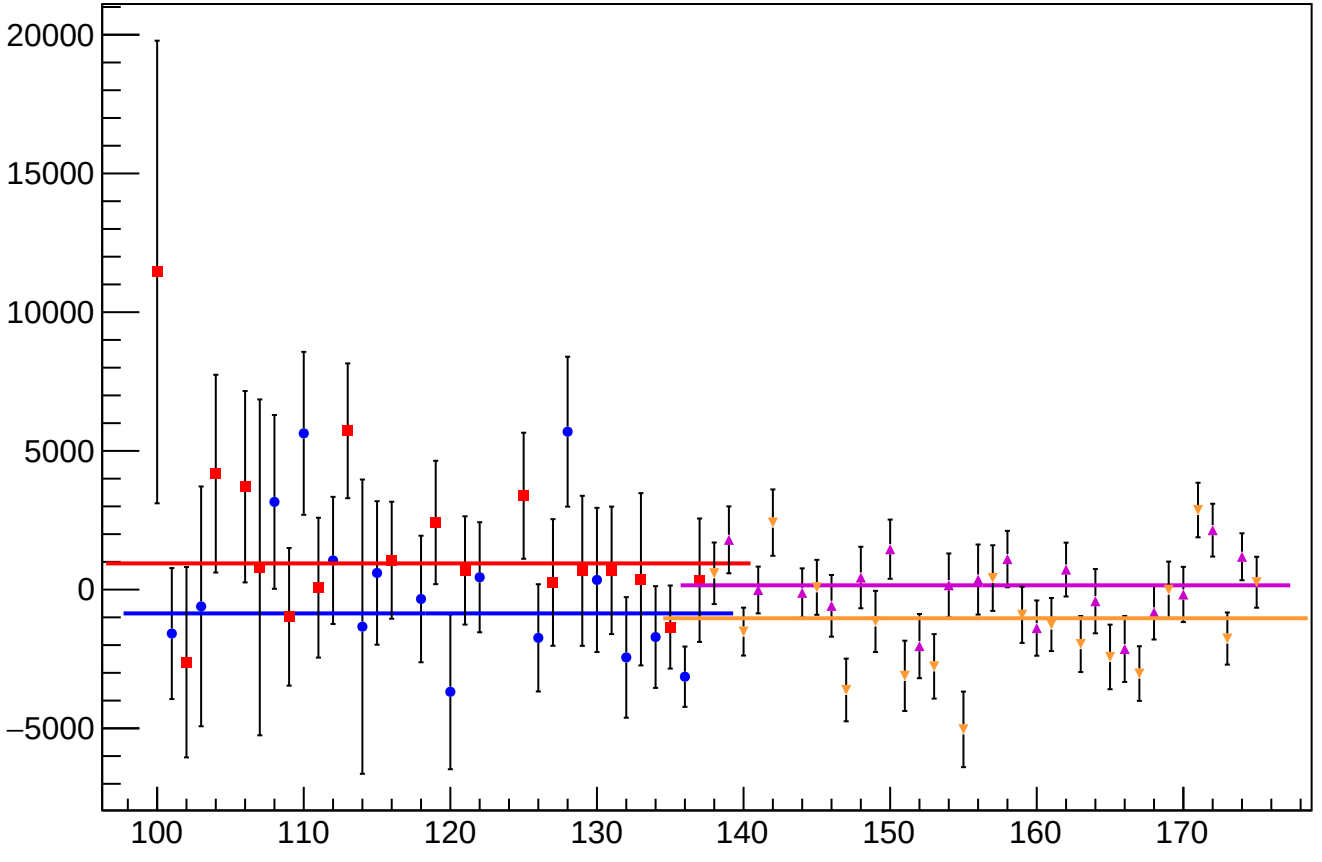
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1771.028+/-0.268 χ^2/NDF:724455.2/33

Out: 1777.085+/-0.267 χ^2/NDF:326119.4/36

All: 1774.069+/-0.189 χ^2/NDF: 1050830.3/70

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1031.423+/-240.872 χ^2/NDF:58.1/18

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 154.497+/-242.050 χ^2/NDF:22.1/17

Left: -441.356+/-170.737 χ^2/NDF: 92.3/36

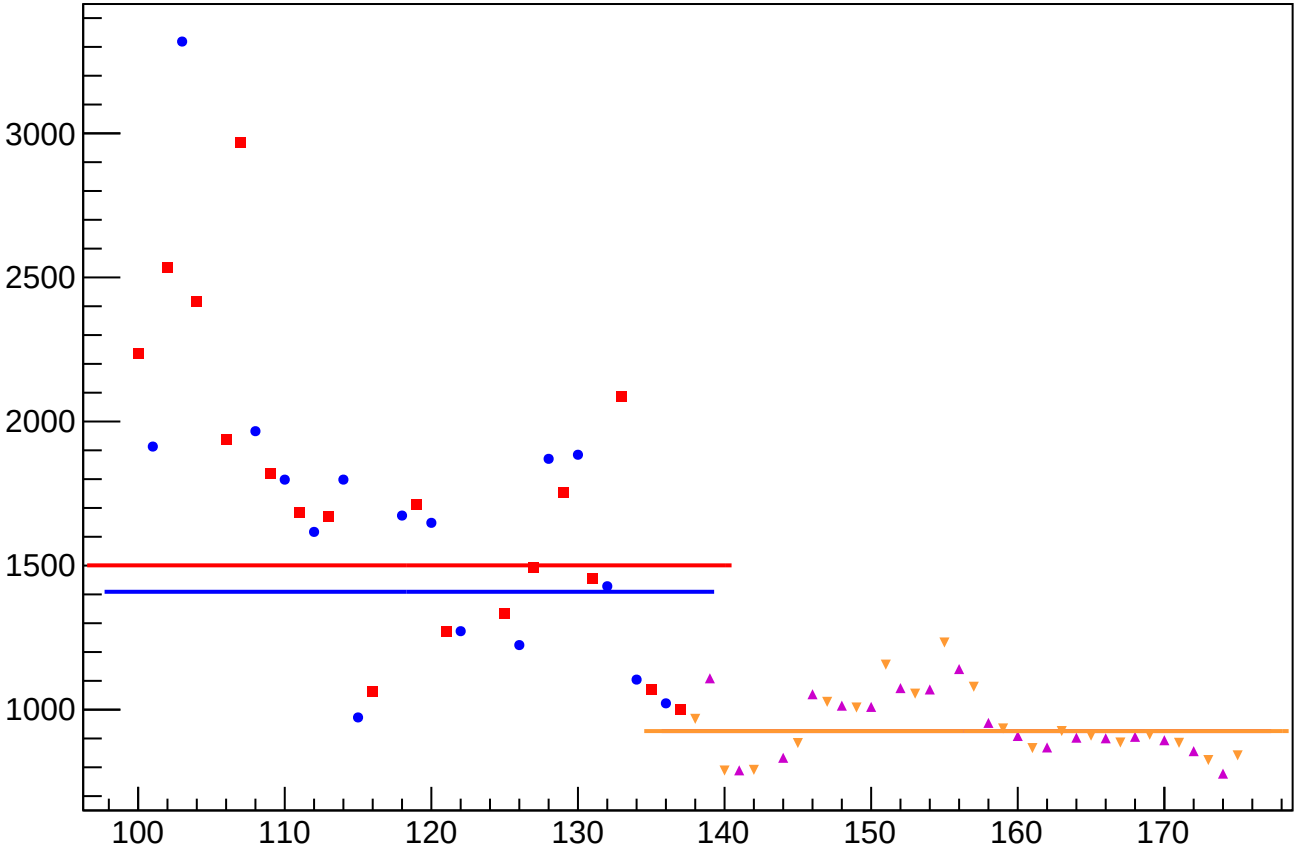
Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -9.776+/-221.531 χ^2/NDF:45.6/33

Out: -744.094+/-222.674 χ^2/NDF:80.8/36

All: -375.047+/-157.049 χ^2/NDF: 131.9/70

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 925.660+/-0.170 χ^2/NDF:390892.4/18

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 925.756+/-0.171 χ^2/NDF:380258.1/17

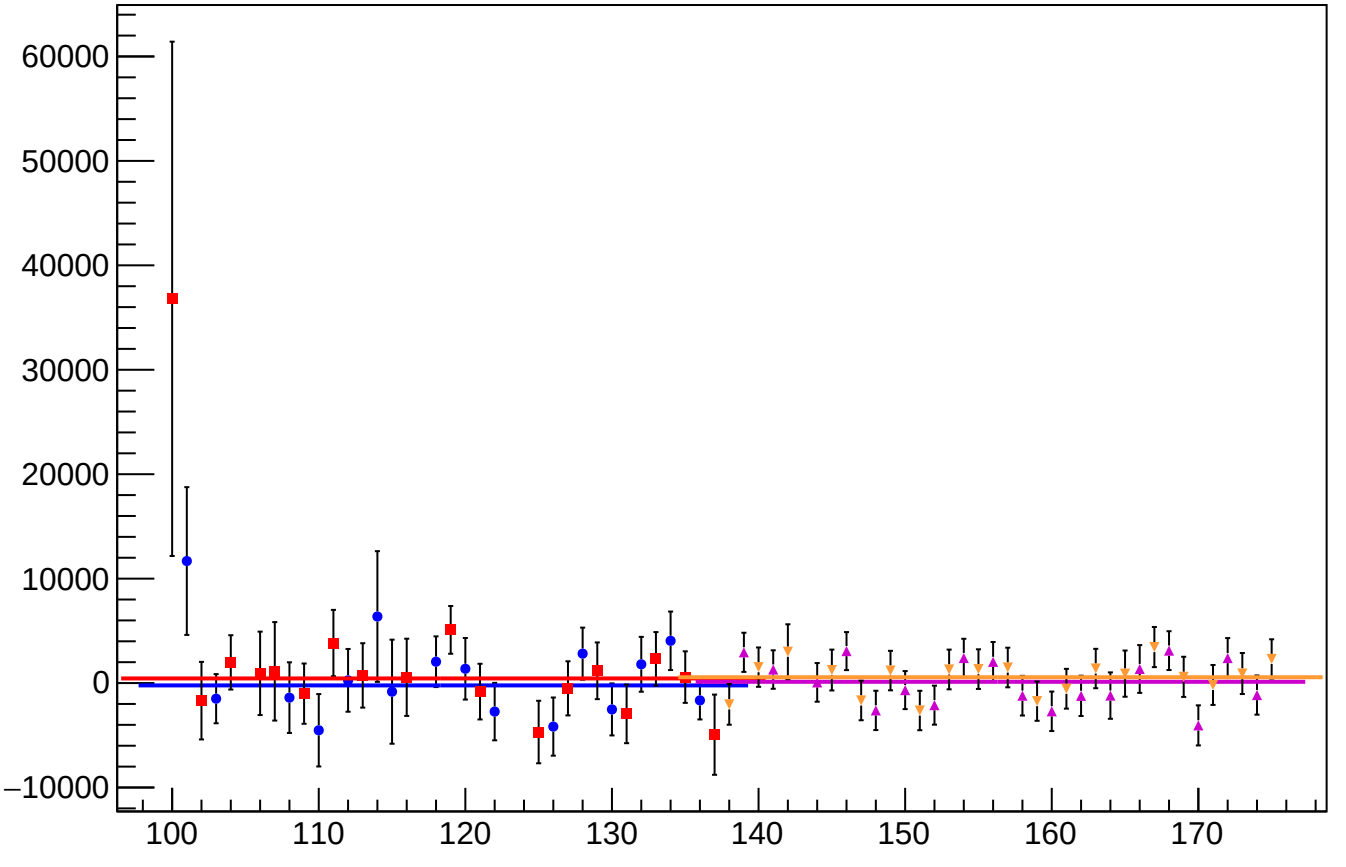
Left: 925.708+/-0.121 χ^2/NDF: 771150.6/36

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1004.231+/-0.157 χ^2/NDF:2842747.9/33

Out: 1009.285+/-0.157 χ^2/NDF:3079584.2/36

All: 1006.745+/-0.111 χ^2/NDF: 5922850.0/70



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 121.407+/-449.449 χ^2/NDF:24.6/17

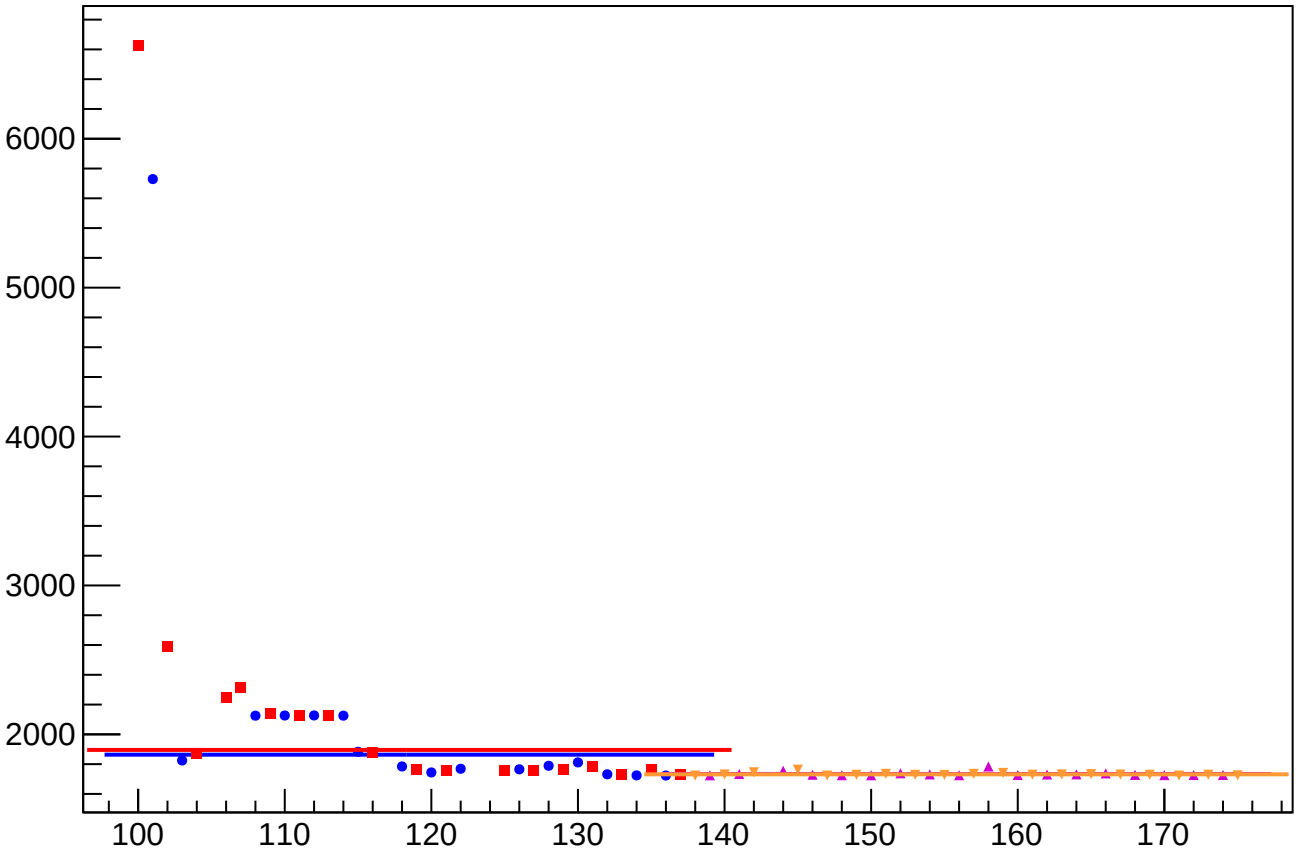
Left: 341.826+/-316.646 χ^2/NDF: 38.3/36

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 22.494+/-379.626 χ^2/NDF:40.6/33

Out: 526.406+/-378.242 χ^2/NDF:29.1/36

All: 275.370+/-267.945 χ^2/NDF: 70.5/70



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

Left: 1732.692+/-0.224 χ^2/NDF: 2876.5/36

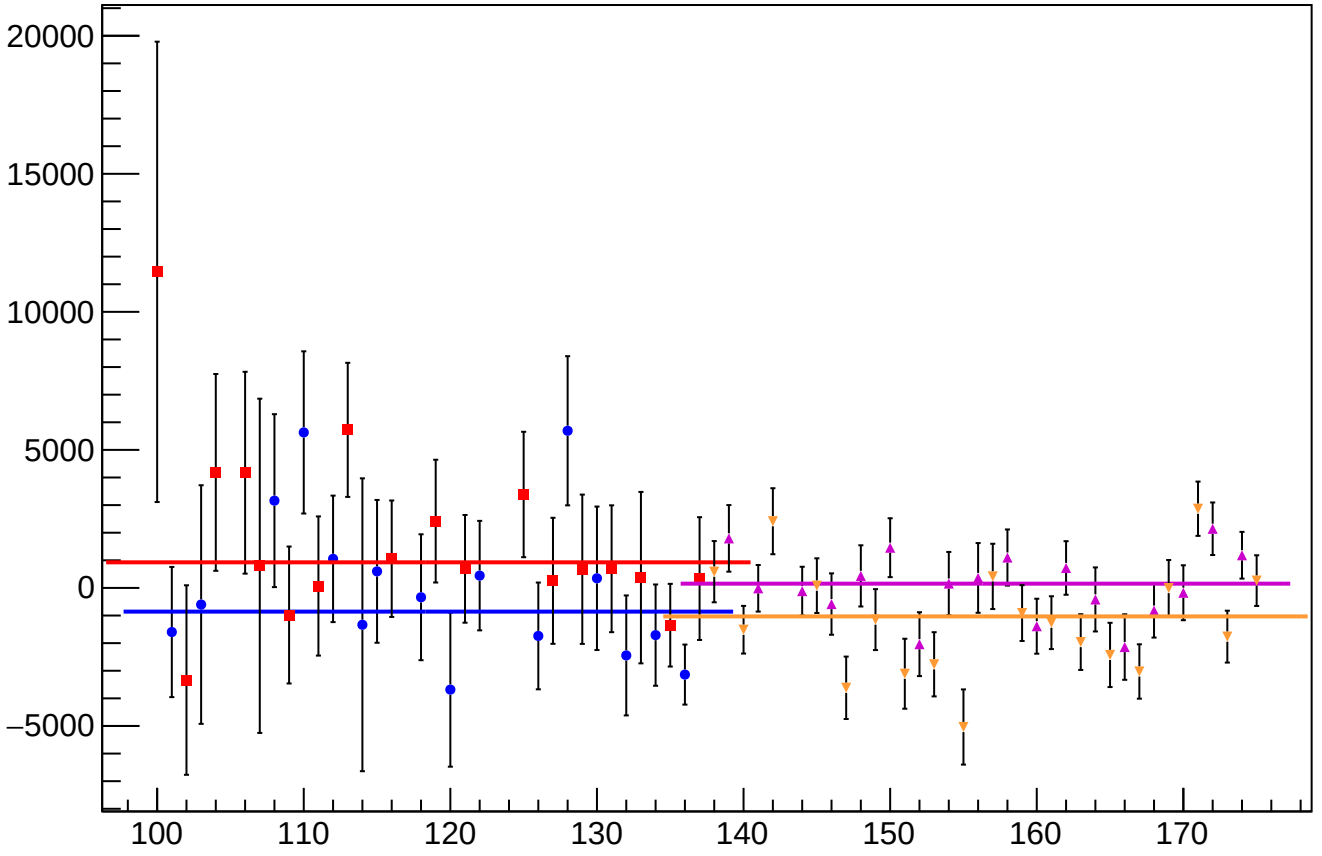
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1771.028+/-0.268 χ^2/NDF:724455.1/33

Out: 1777.675+/-0.267 χ^2/NDF:335950.9/36

All: 1774.363+/-0.189 χ^2/NDF: 1060713.7/70

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 154.512+/-242.049 χ^2/NDF:22.1/17

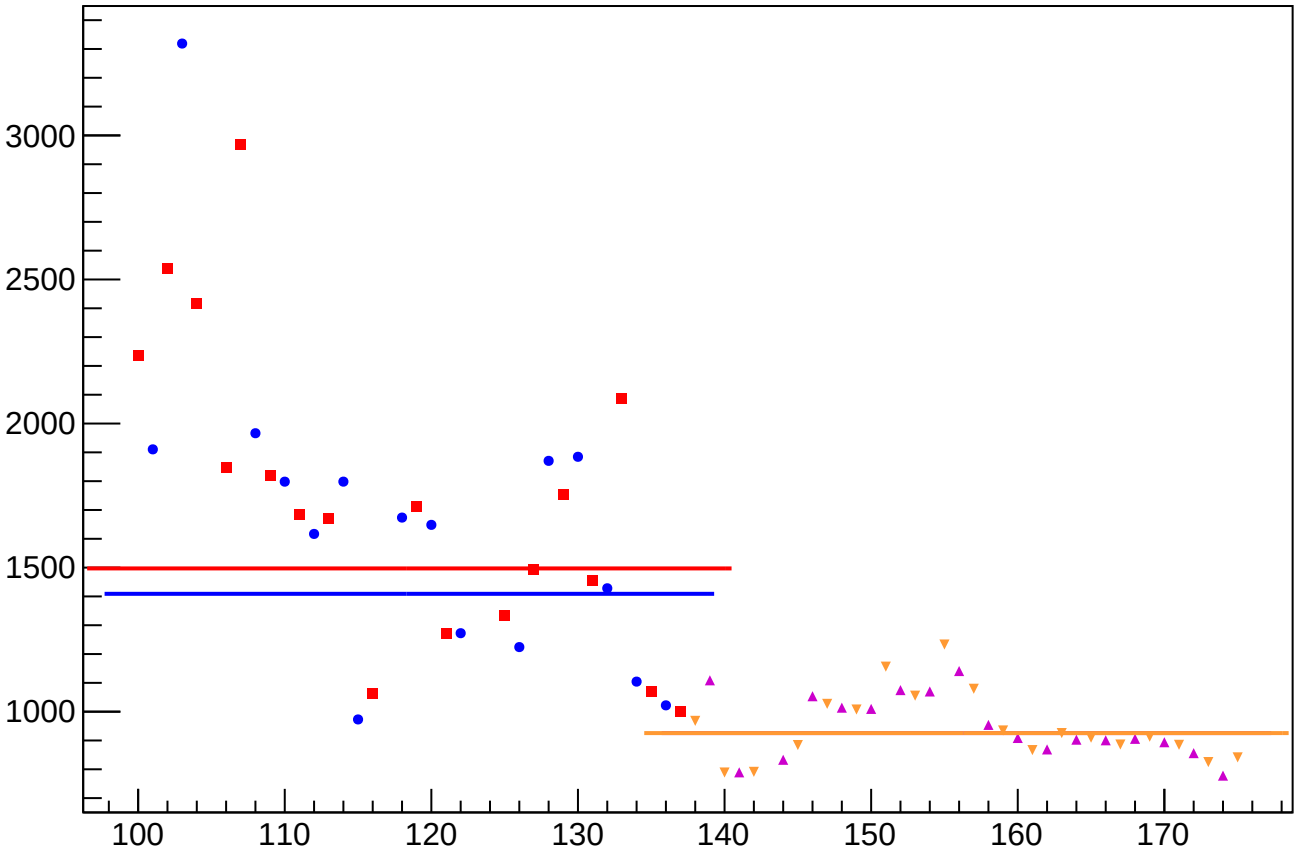
Left: -441.355+/-170.737 χ^2/NDF: 92.3/36

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -9.917+/-221.528 χ^2/NDF:45.6/33

Out: -747.422+/-222.724 χ^2/NDF:81.3/36

All: -376.683+/-157.065 χ^2/NDF: 132.4/70



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

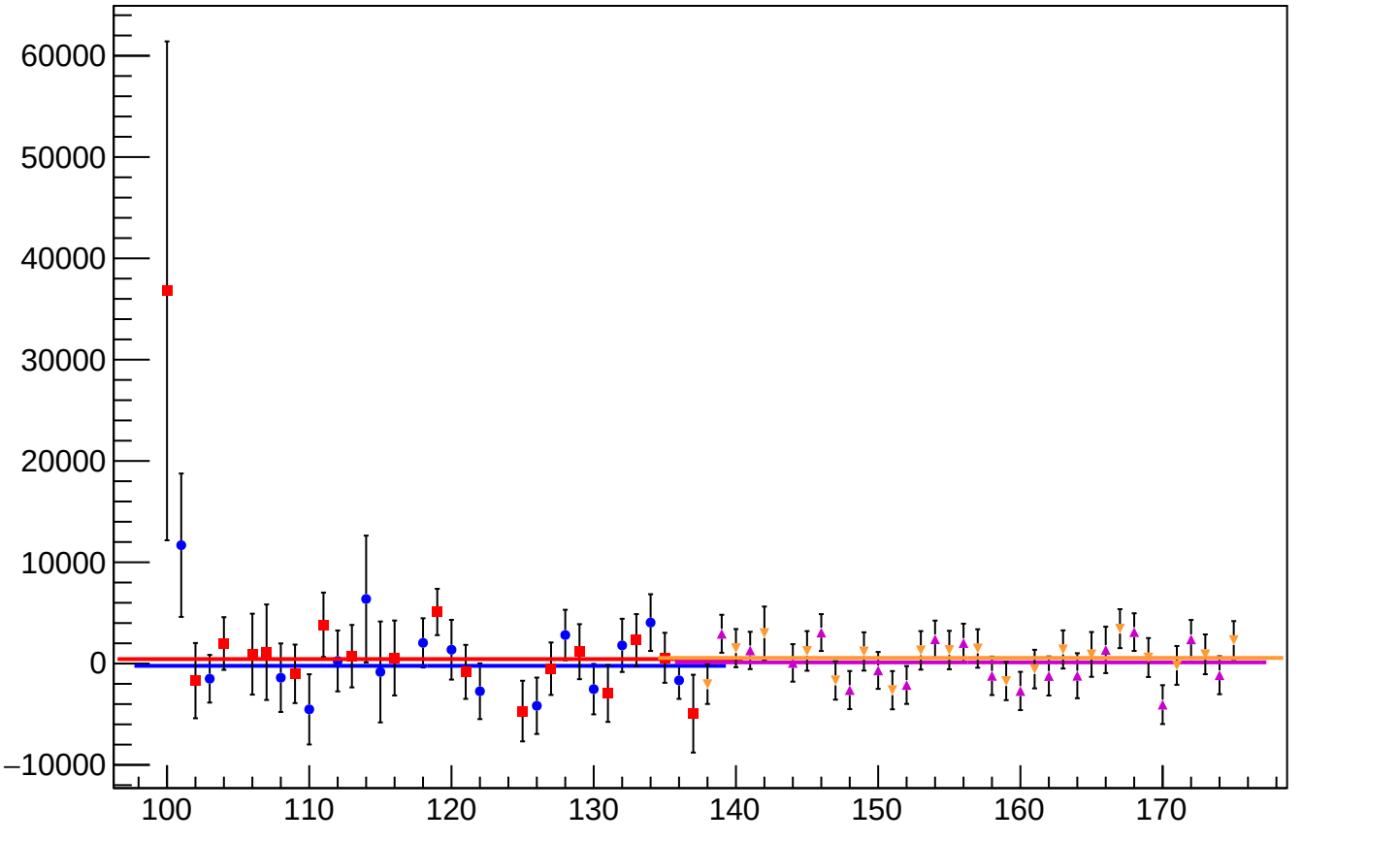
Left: 925.705+/-0.121 χ^2/NDF: 771154.6/36

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1004.224+/-0.157 χ^2/NDF:2841902.8/33

Out: 1008.528+/-0.157 χ^2/NDF:3041558.0/36

All: 1006.365+/-0.111 χ^2/NDF: 5883836.4/70



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 121.407+/-449.449 χ^2/NDF:24.6/17

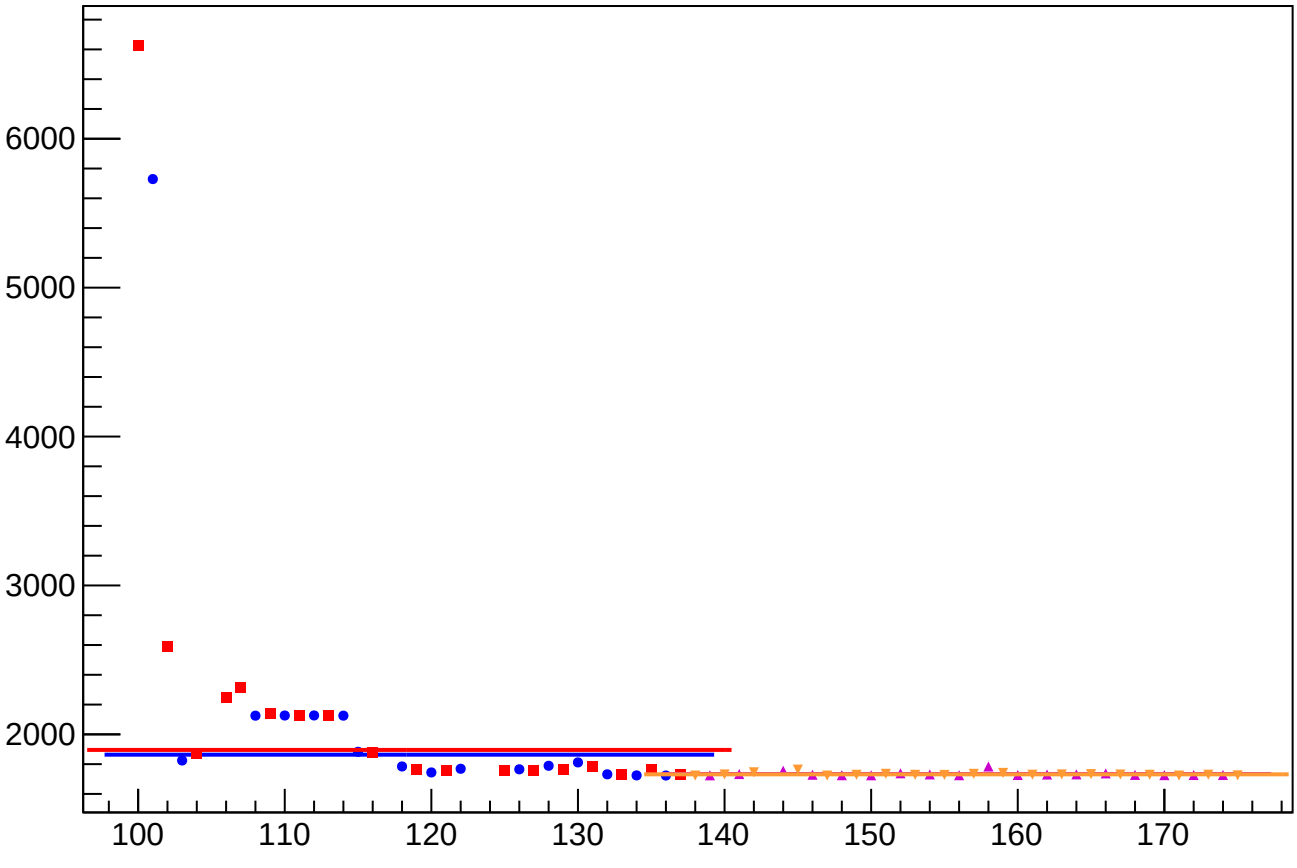
Left: 341.826+/-316.646 χ^2/NDF: 38.3/36

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 22.494+/-379.626 χ^2/NDF:40.6/33

Out: 526.406+/-378.242 χ^2/NDF:29.1/36

All: 275.370+/-267.945 χ^2/NDF: 70.5/70



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

Left: 1732.692+/-0.224 χ^2/NDF: 2876.5/36

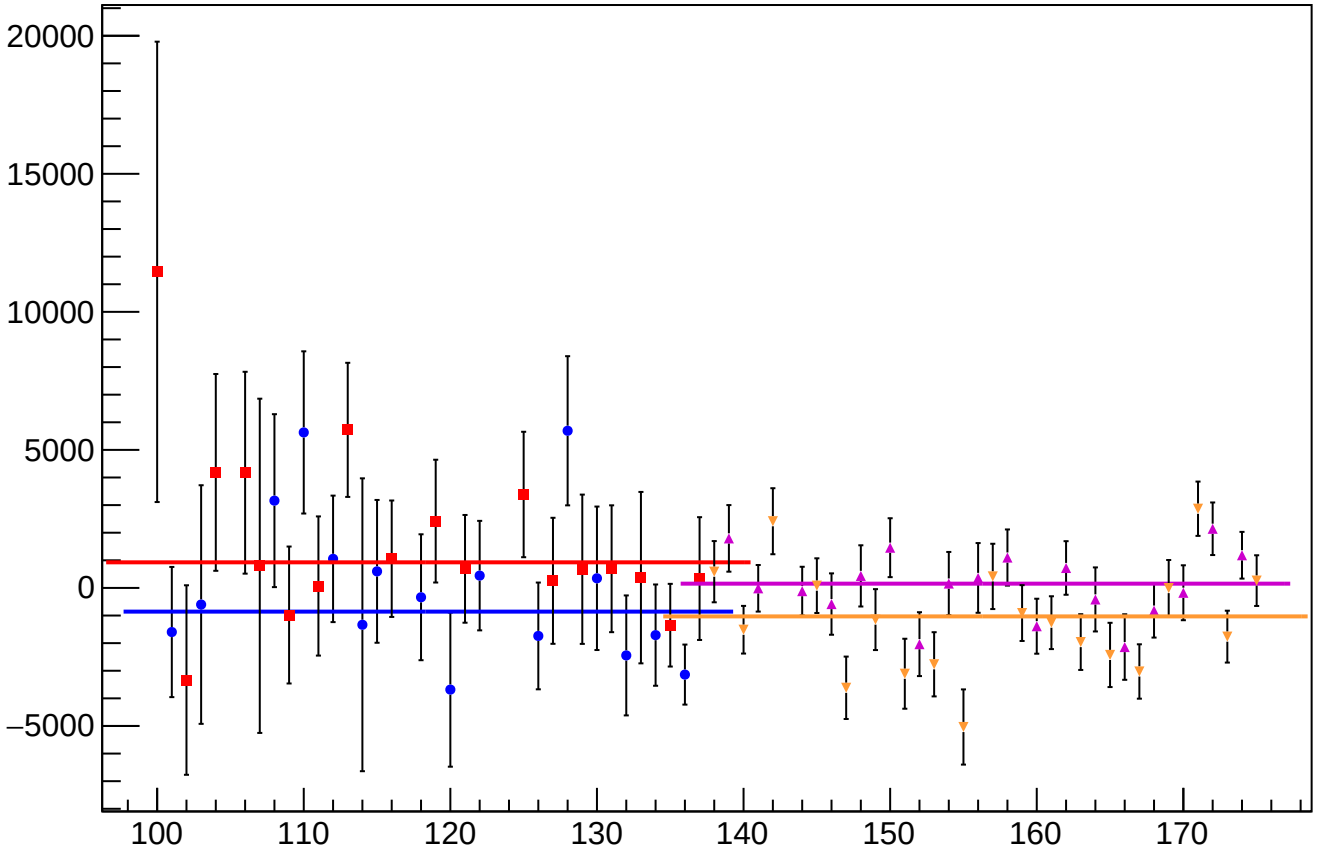
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1771.028+/-0.268 χ^2/NDF:724455.1/33

Out: 1777.675+/-0.267 χ^2/NDF:335950.9/36

All: 1774.363+/-0.189 χ^2/NDF: 1060713.7/70

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 154.512+/-242.049 χ^2/NDF:22.1/17

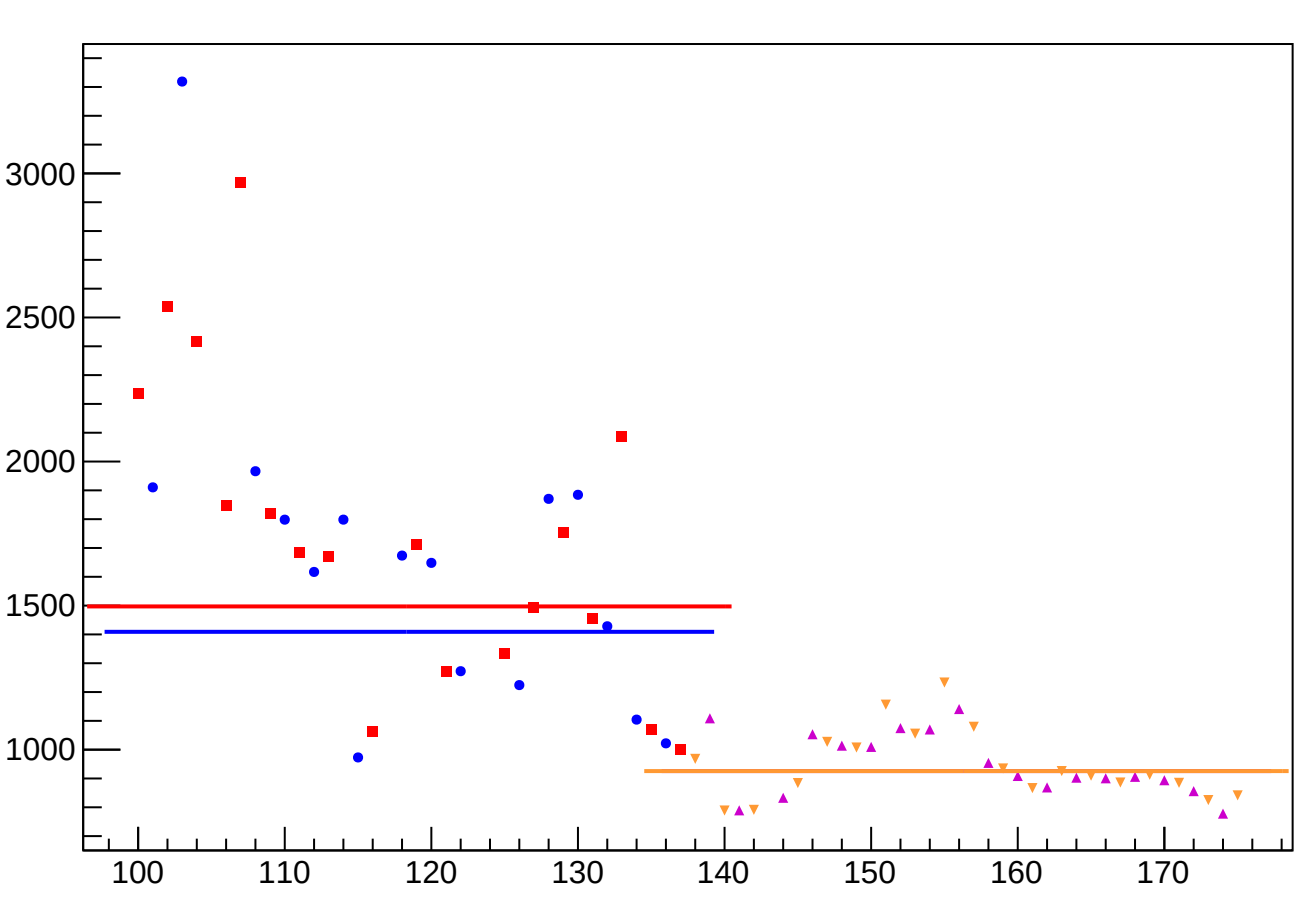
Left: -441.355+/-170.737 χ^2/NDF: 92.3/36

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -9.917+/-221.528 χ^2/NDF:45.6/33

Out: -747.422+/-222.724 χ^2/NDF:81.3/36

All: -376.683+/-157.065 χ^2/NDF: 132.4/70



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

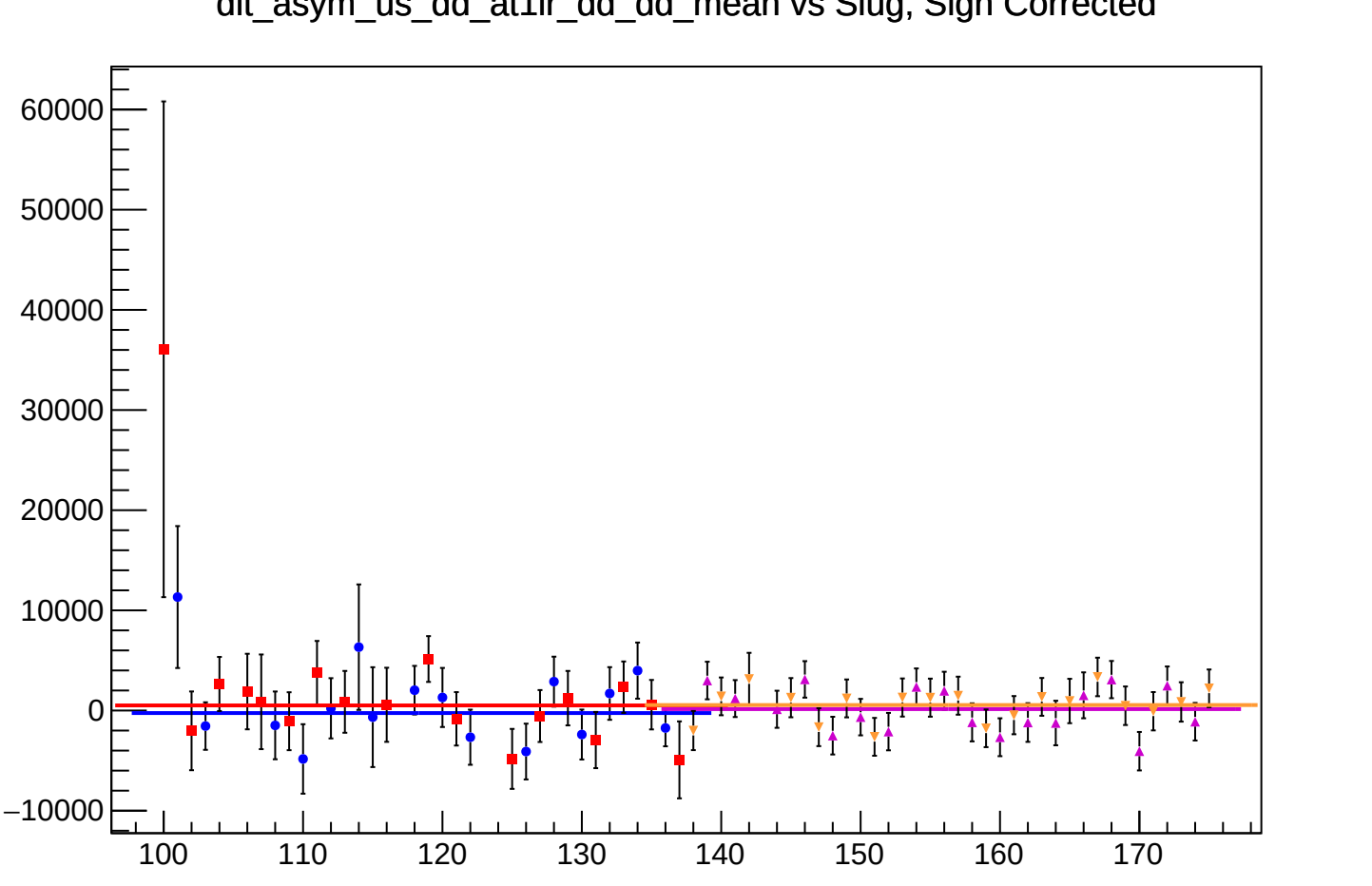
Left: 925.705+/-0.121 χ^2/NDF: 771154.6/36

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1004.224+/-0.157 χ^2/NDF:2841902.8/33

Out: 1008.528+/-0.157 χ^2/NDF:3041558.0/36

All: 1006.365+/-0.111 χ^2/NDF: 5883836.4/70



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 141.532+/-449.703 χ^2/NDF:24.4/17

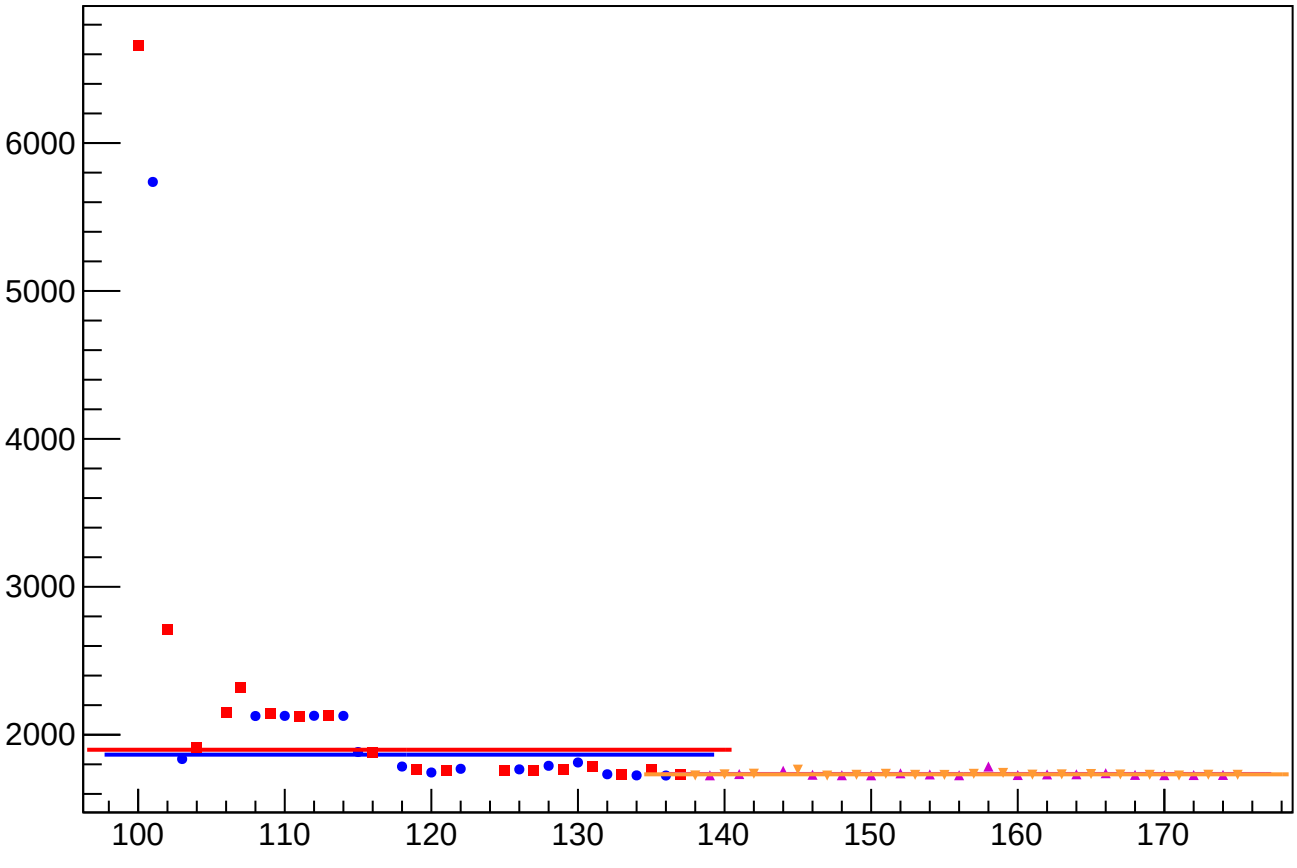
Left: 345.644+/-316.823 χ^2/NDF: 37.8/36

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 28.845+/-379.905 χ^2/NDF:40.3/33

Out: 536.514+/-378.741 χ^2/NDF:29.4/36

All: 283.459+/-268.221 χ^2/NDF: 70.6/70



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

Left: 1733.643+/-0.224 χ^2/NDF: 2791.4/36

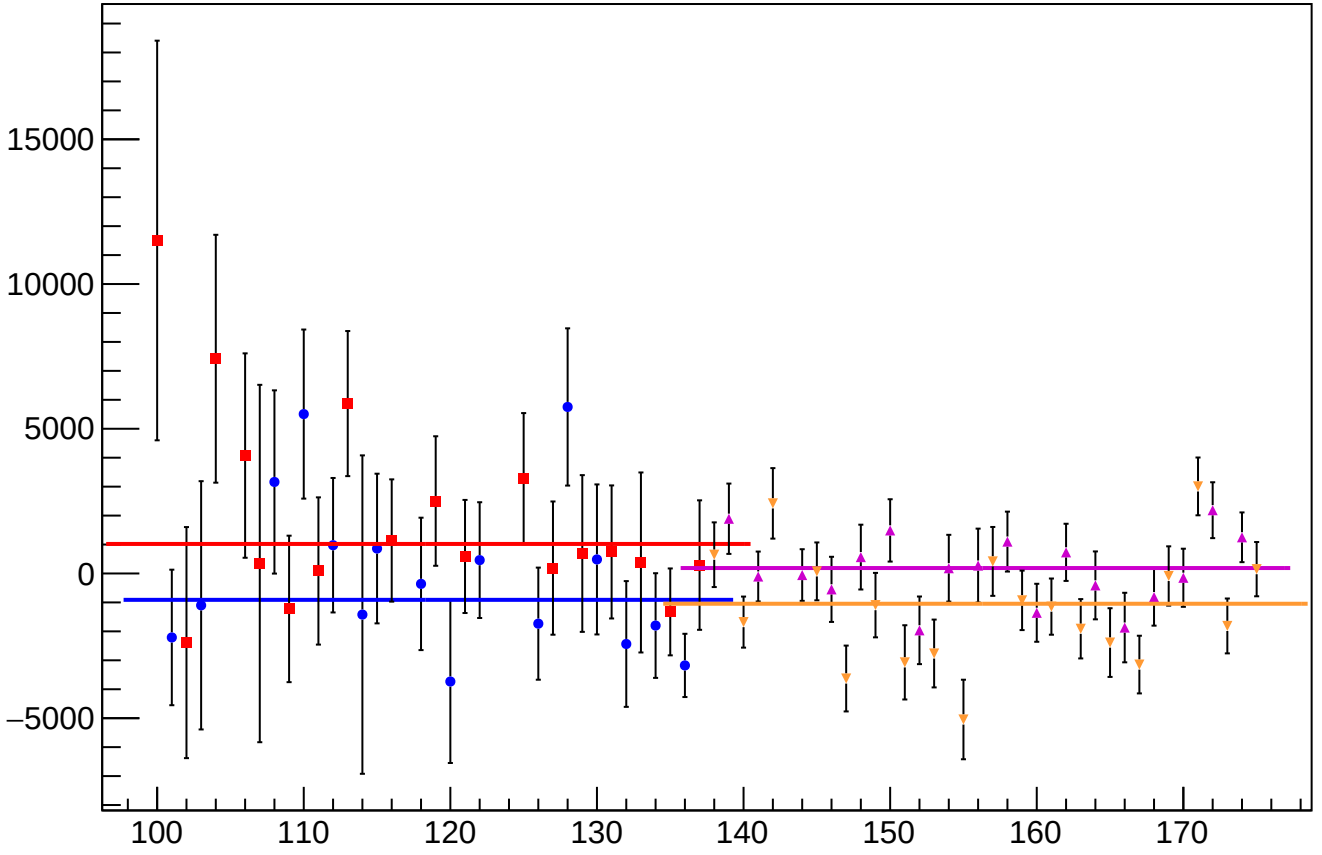
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1772.228+/-0.269 χ^2/NDF:725327.2/33

Out: 1779.030+/-0.268 χ^2/NDF:347459.3/36

All: 1775.639+/-0.190 χ^2/NDF: 1073108.1/70

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1046.157+/-243.999 χ^2/NDF:58.1/18

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 187.673+/-245.062 χ^2/NDF:21.2/17

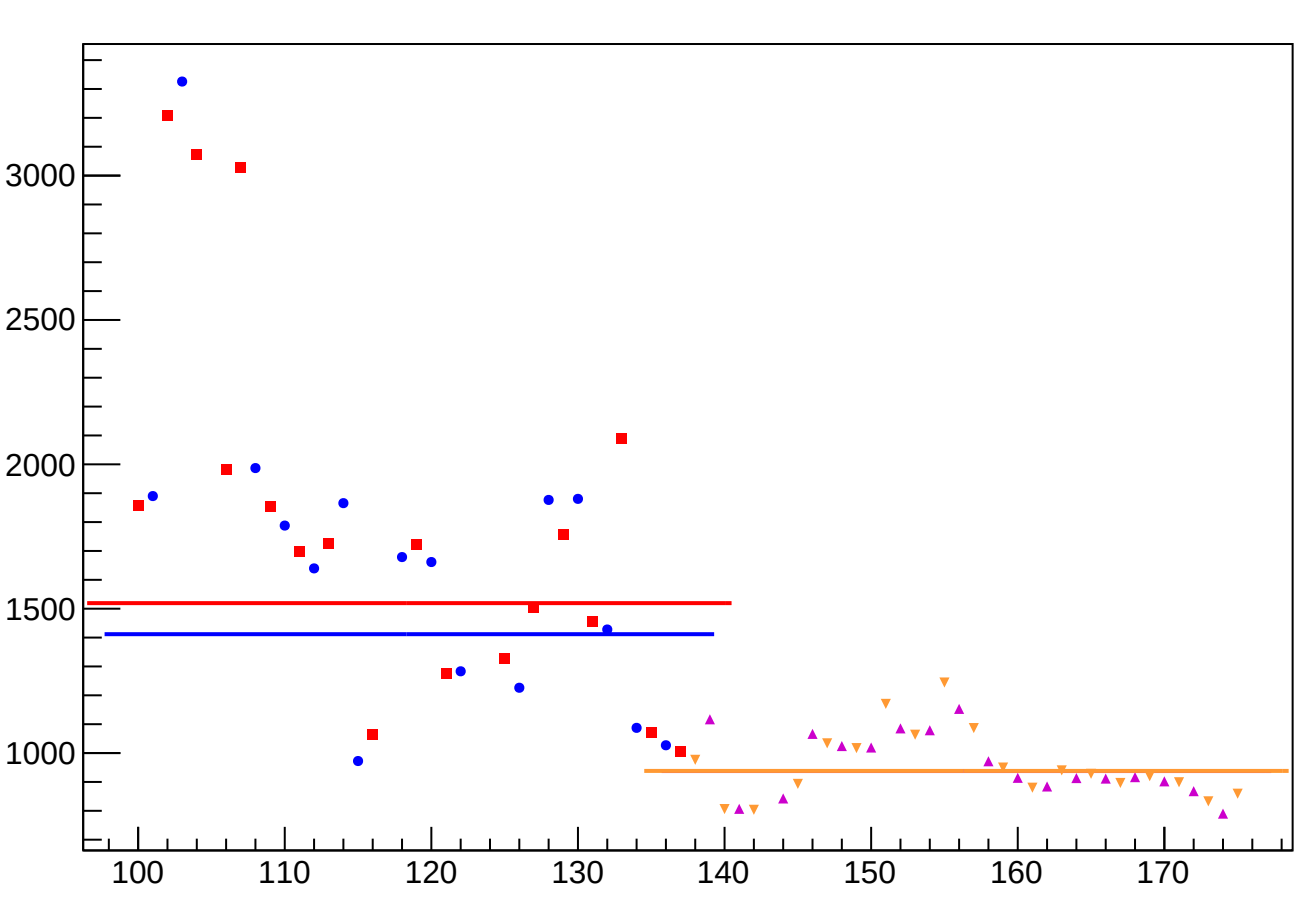
Left: -431.922+/-172.908 χ^2/NDF: 92.0/36

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 6.153+/-223.903 χ^2/NDF:45.5/33

Out: -745.768+/-225.567 χ^2/NDF:83.4/36

All: -367.023+/-158.908 χ^2/NDF: 134.5/70



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.190+/-0.173 χ^2/NDF:372483.1/18

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 937.749+/-0.173 χ^2/NDF:364529.5/17

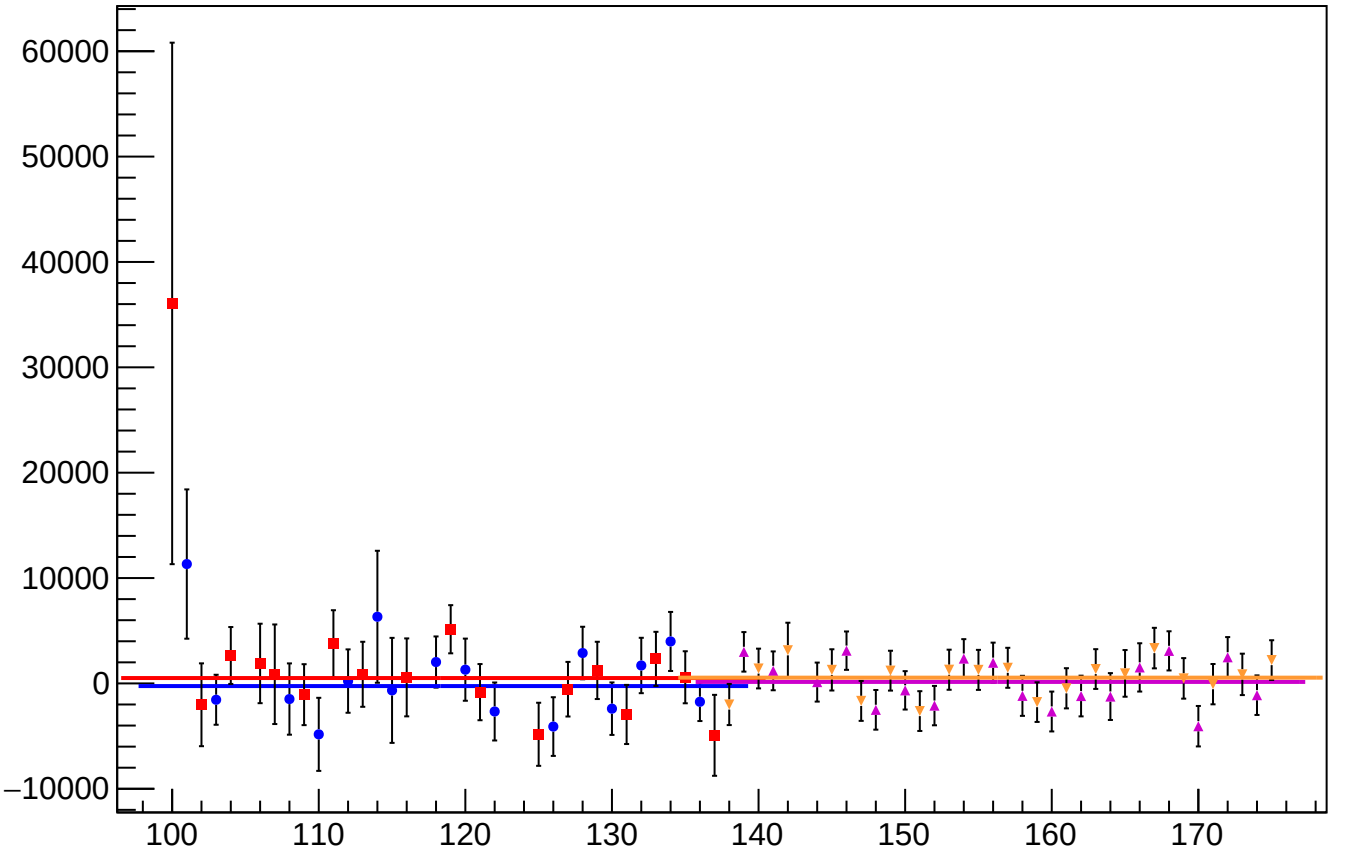
Left: 937.970+/-0.122 χ^2/NDF: 737015.8/36

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1016.065+/-0.158 χ^2/NDF:2778534.6/33

Out: 1022.670+/-0.160 χ^2/NDF:3381826.9/36

All: 1019.343+/-0.112 χ^2/NDF: 6161225.3/70



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 141.532+/-449.703 χ^2/NDF:24.4/17

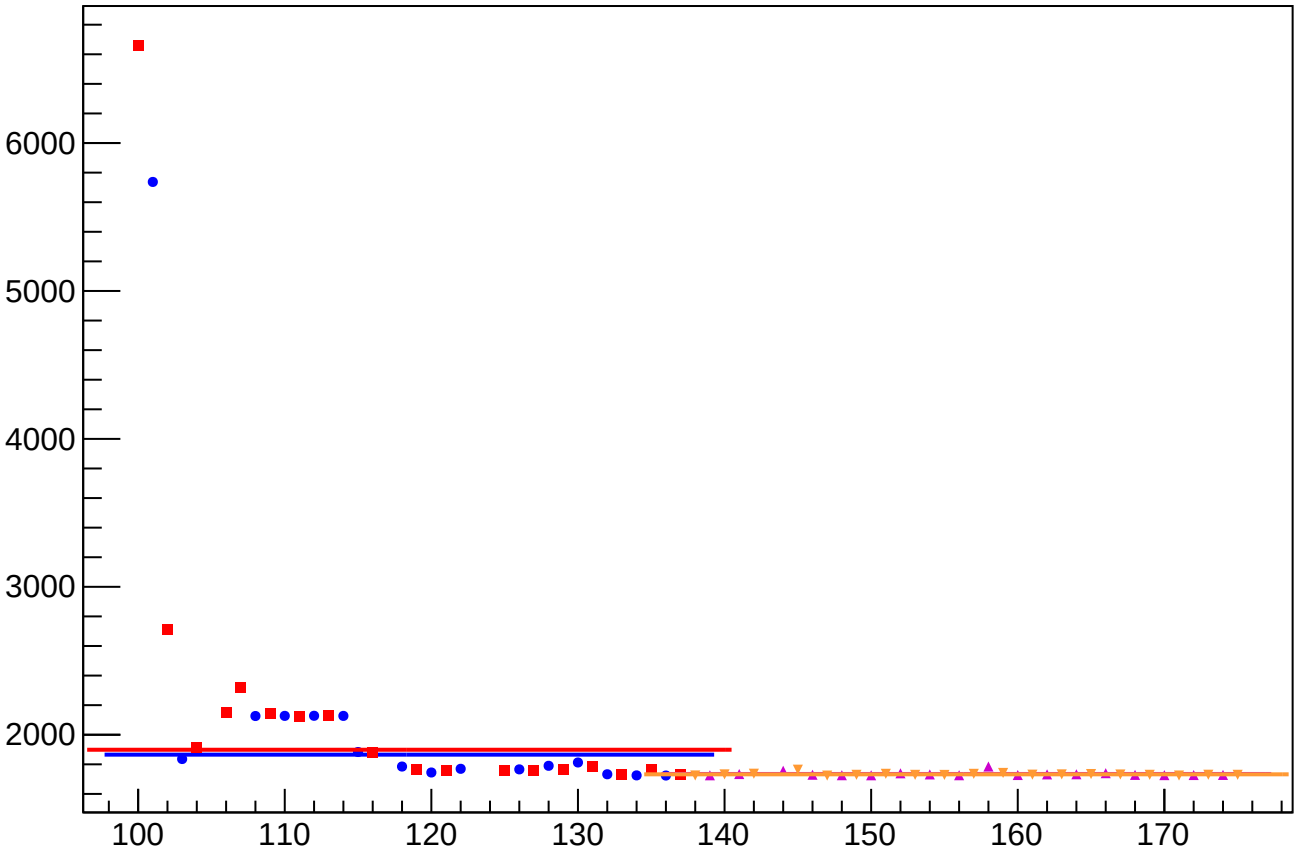
Left: 345.644+/-316.823 χ^2/NDF: 37.8/36

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 28.845+/-379.905 χ^2/NDF:40.3/33

Out: 536.514+/-378.741 χ^2/NDF:29.4/36

All: 283.459+/-268.221 χ^2/NDF: 70.6/70



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

Left: 1733.643+/-0.224 χ^2/NDF: 2791.4/36

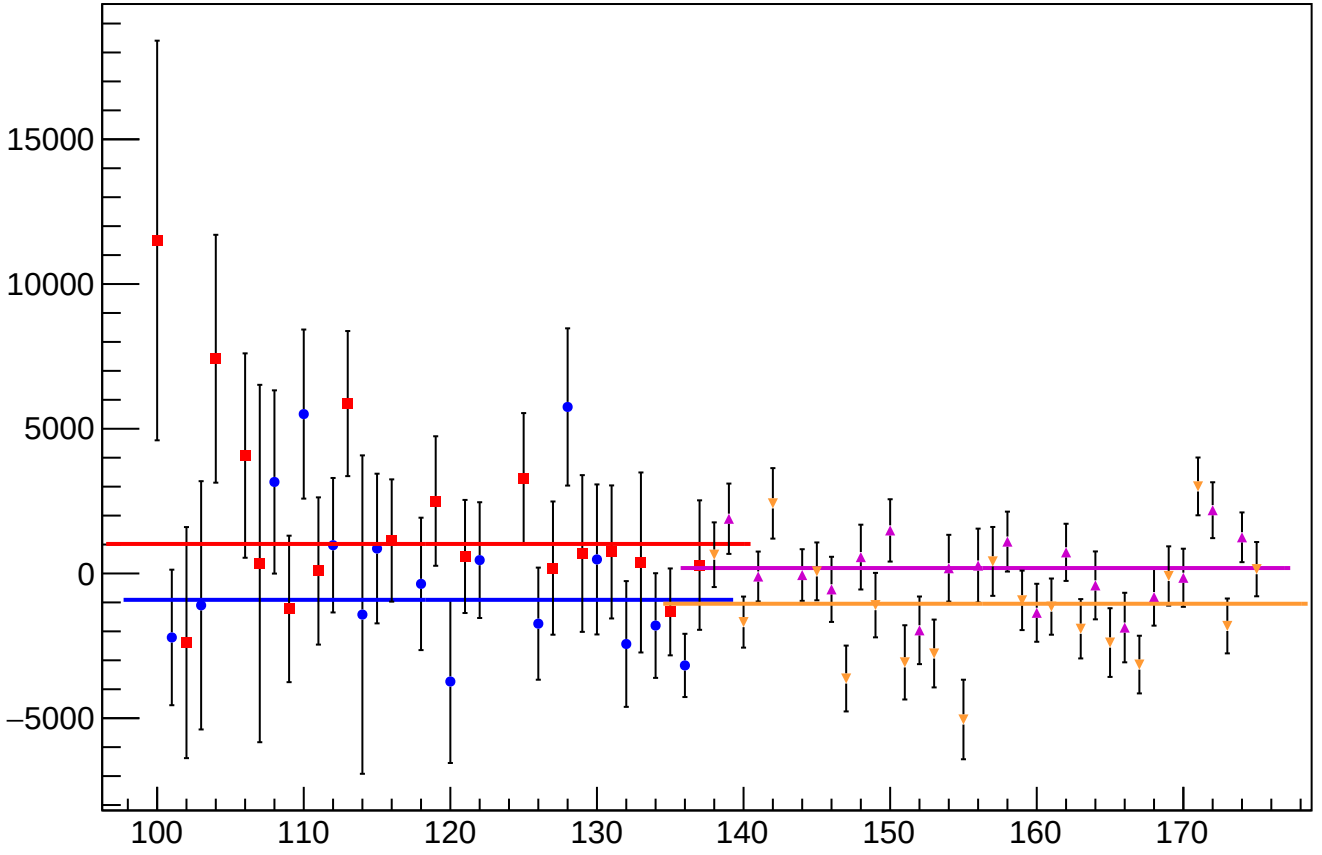
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1772.228+/-0.269 χ^2/NDF:725327.1/33

Out: 1779.030+/-0.268 χ^2/NDF:347459.0/36

All: 1775.639+/-0.190 χ^2/NDF: 1073107.7/70

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1046.156+/-243.999 χ^2/NDF:58.1/18

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 187.671+/-245.061 χ^2/NDF:21.2/17

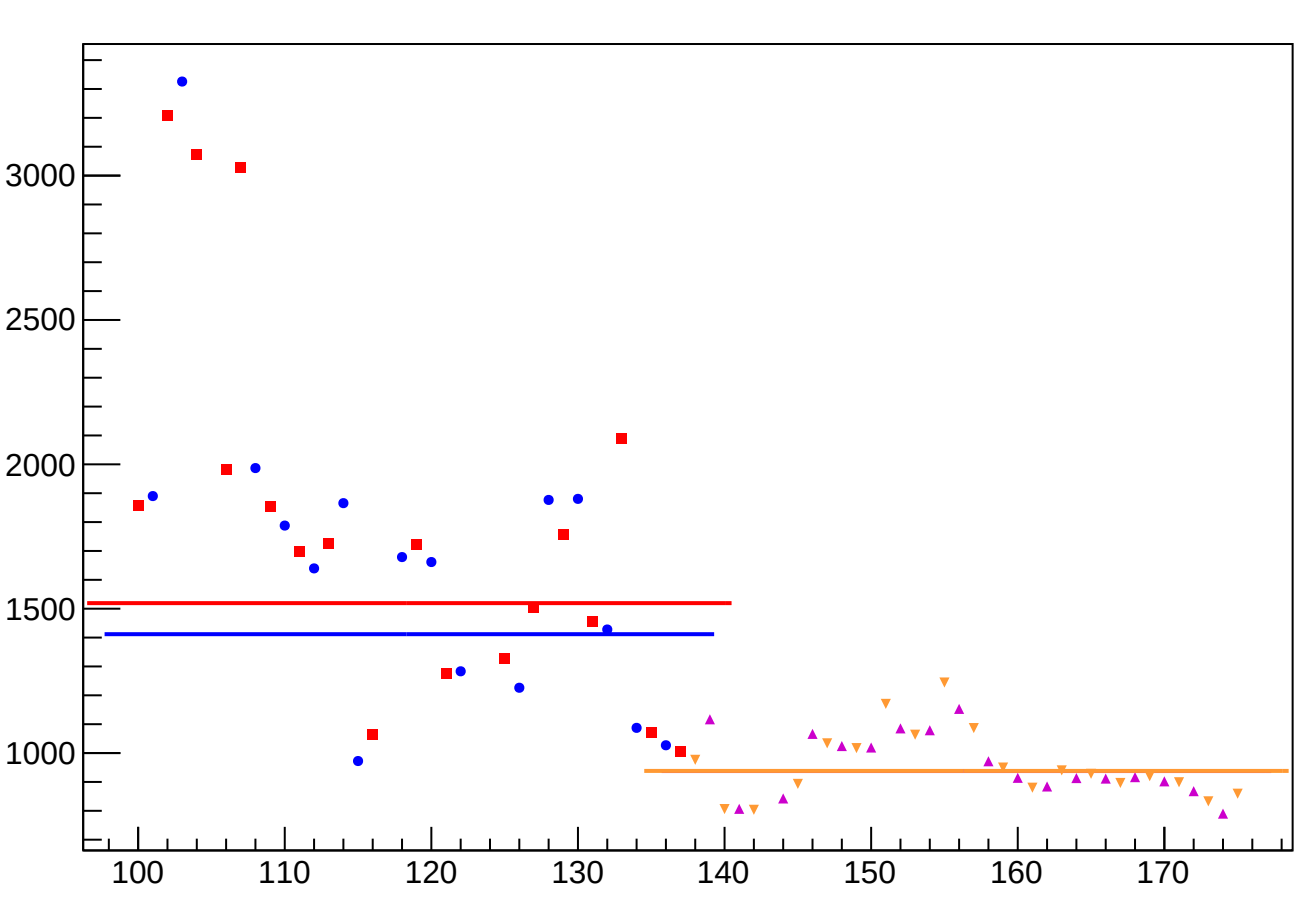
Left: -431.922+/-172.908 χ^2/NDF: 92.0/36

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 6.151+/-223.903 χ^2/NDF:45.5/33

Out: -745.766+/-225.567 χ^2/NDF:83.4/36

All: -367.024+/-158.908 χ^2/NDF: 134.5/70



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.189+/-0.173 χ^2/NDF:372491.5/18

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 937.749+/-0.173 χ^2/NDF:364537.9/17

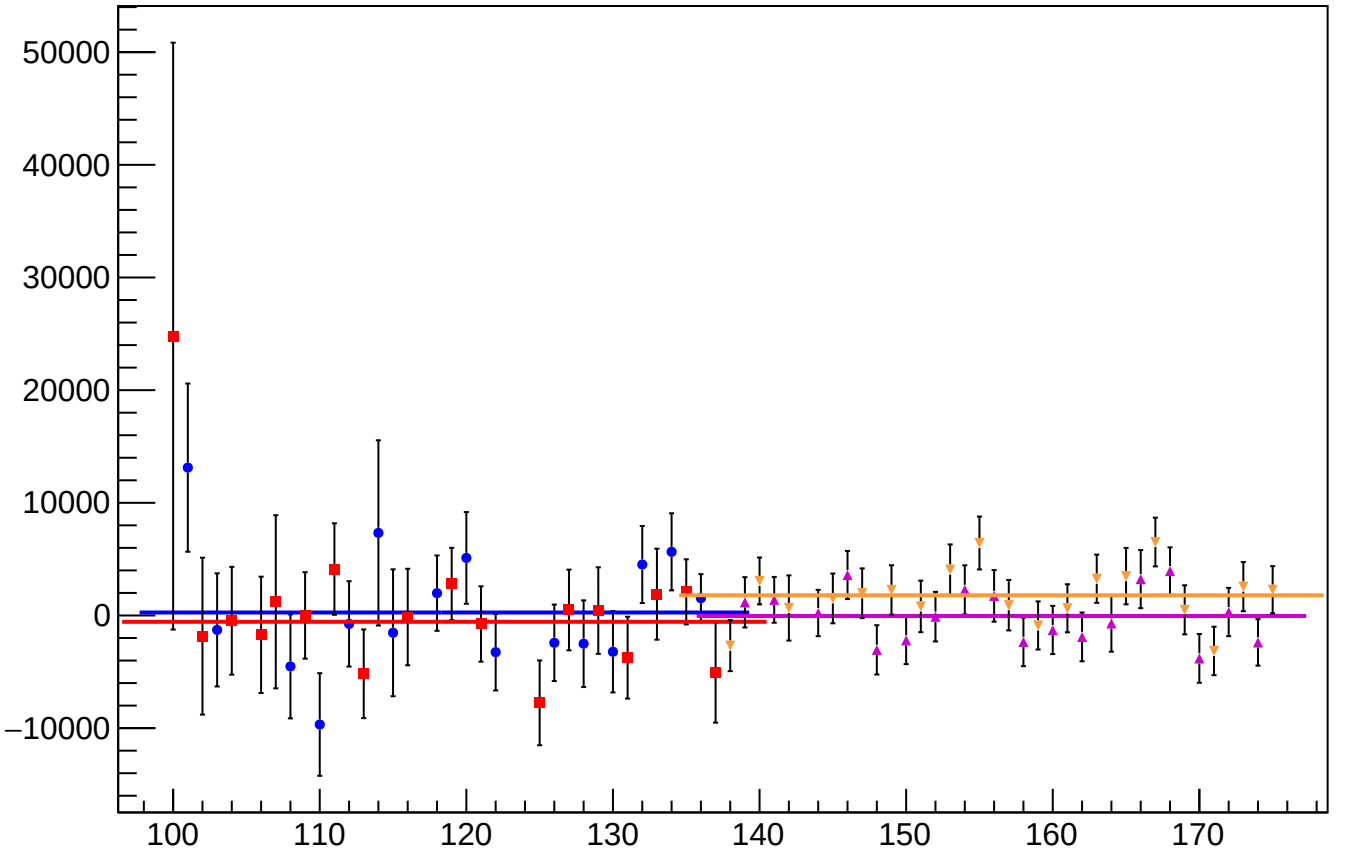
Left: 937.970+/-0.122 χ^2/NDF: 737032.7/36

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1016.065+/-0.158 χ^2/NDF:2778532.0/33

Out: 1022.670+/-0.159 χ^2/NDF:3381831.0/36

All: 1019.343+/-0.112 χ^2/NDF: 6161226.8/70



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1793.313+/-510.780 χ^2/NDF:23.2/18

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -44.808+/-513.673 χ^2/NDF:20.2/17

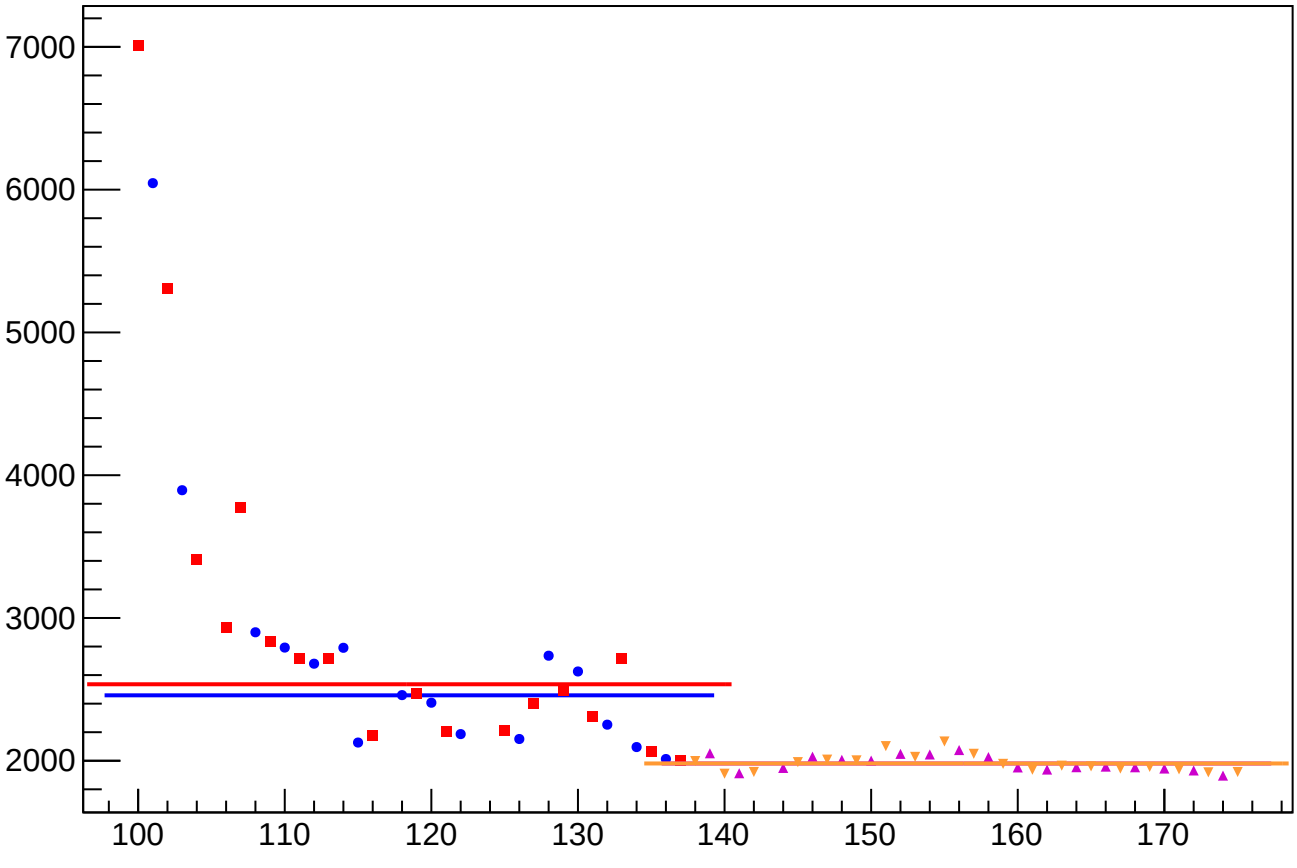
Left: 879.444+/-362.194 χ^2/NDF: 49.8/36

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 26.061+/-450.978 χ^2/NDF:39.3/33

Out: 1276.360+/-451.230 χ^2/NDF:39.6/36

All: 650.862+/-318.979 χ^2/NDF: 82.8/70



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1981.053+/-0.361 χ^2/NDF:26643.0/18

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1980.741+/-0.363 χ^2/NDF:20774.7/17

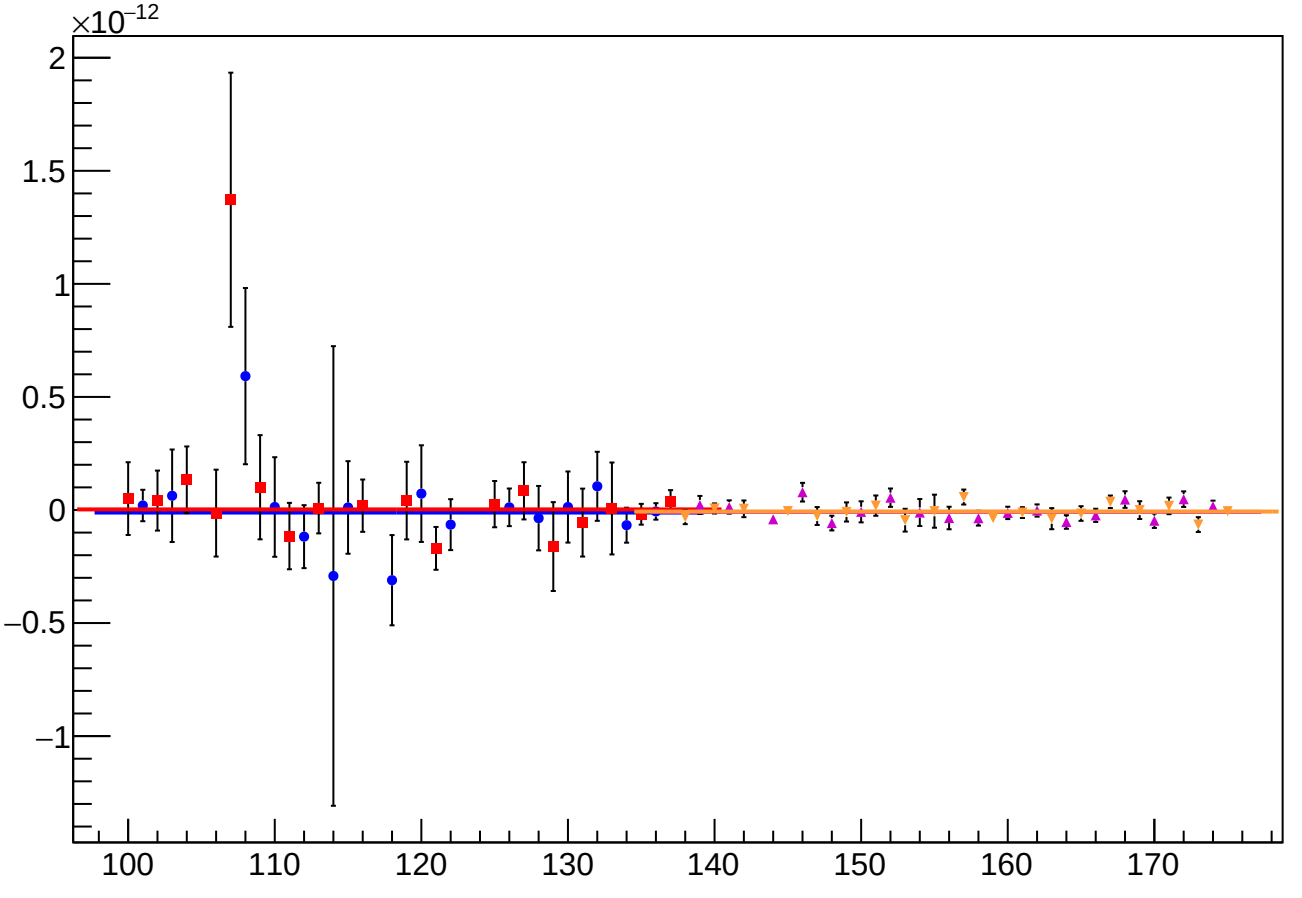
Left: 1980.898+/-0.256 χ^2/NDF: 47418.1/36

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2090.208+/-0.319 χ^2/NDF:1249938.8/33

Out: 2102.862+/-0.319 χ^2/NDF:1217970.1/36

All: 2096.531+/-0.226 χ^2/NDF: 2468695.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:23.6/17

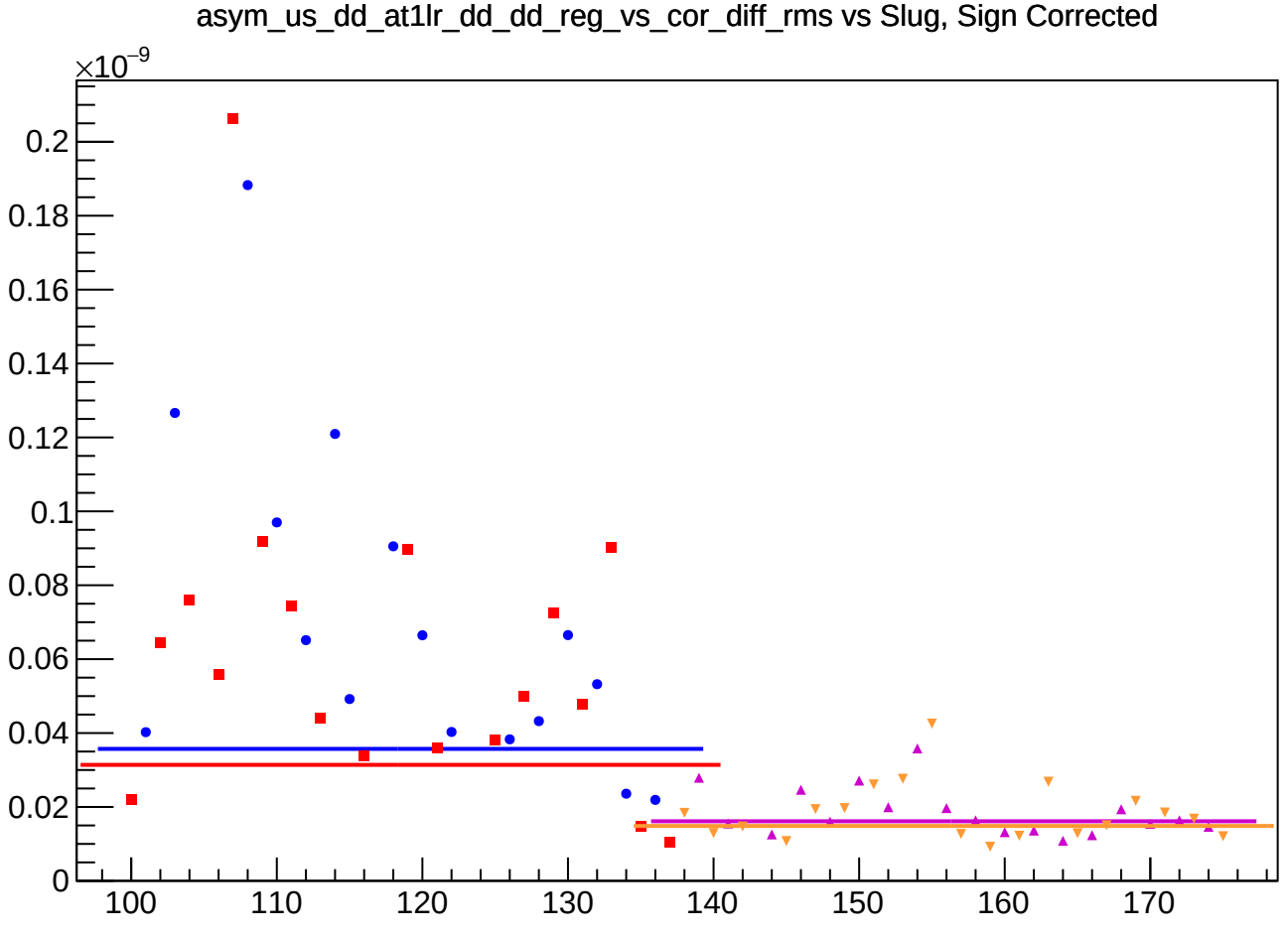
Left: -0.000+/-0.000 χ^2/NDF: 37.9/36

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:30.9/33

Out: -0.000+/-0.000 χ^2/NDF:27.6/36

All: -0.000+/-0.000 χ^2/NDF: 58.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130551.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:834365.8/17

Left: 0.000+/-0.000 χ^2/NDF: 1995579.5/36

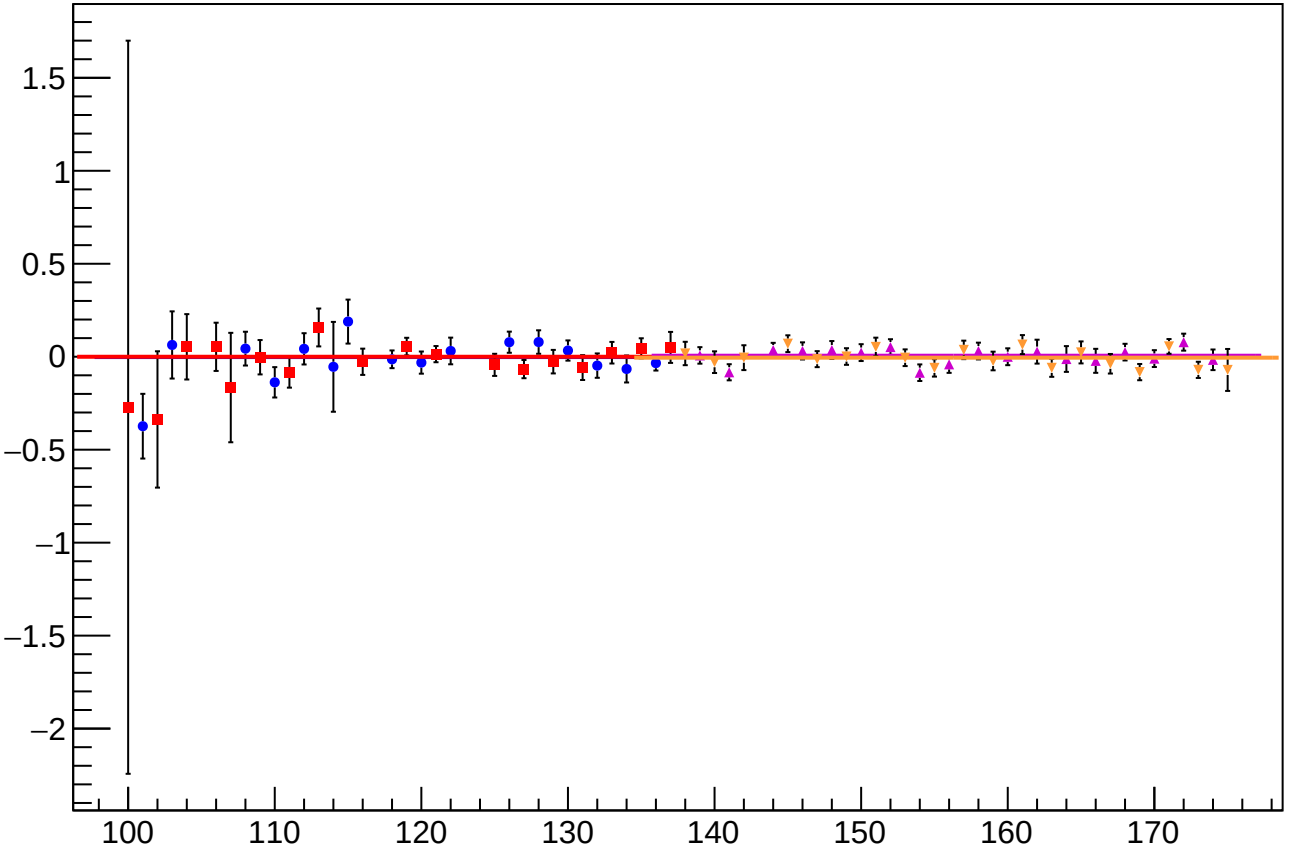
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3617067.9/33

Out: 0.000+/-0.000 χ^2/NDF:4049398.0/36

All: 0.000+/-0.000 χ^2/NDF: 7727647.4/70

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.000+/-0.008 χ^2/NDF: 34.8/36

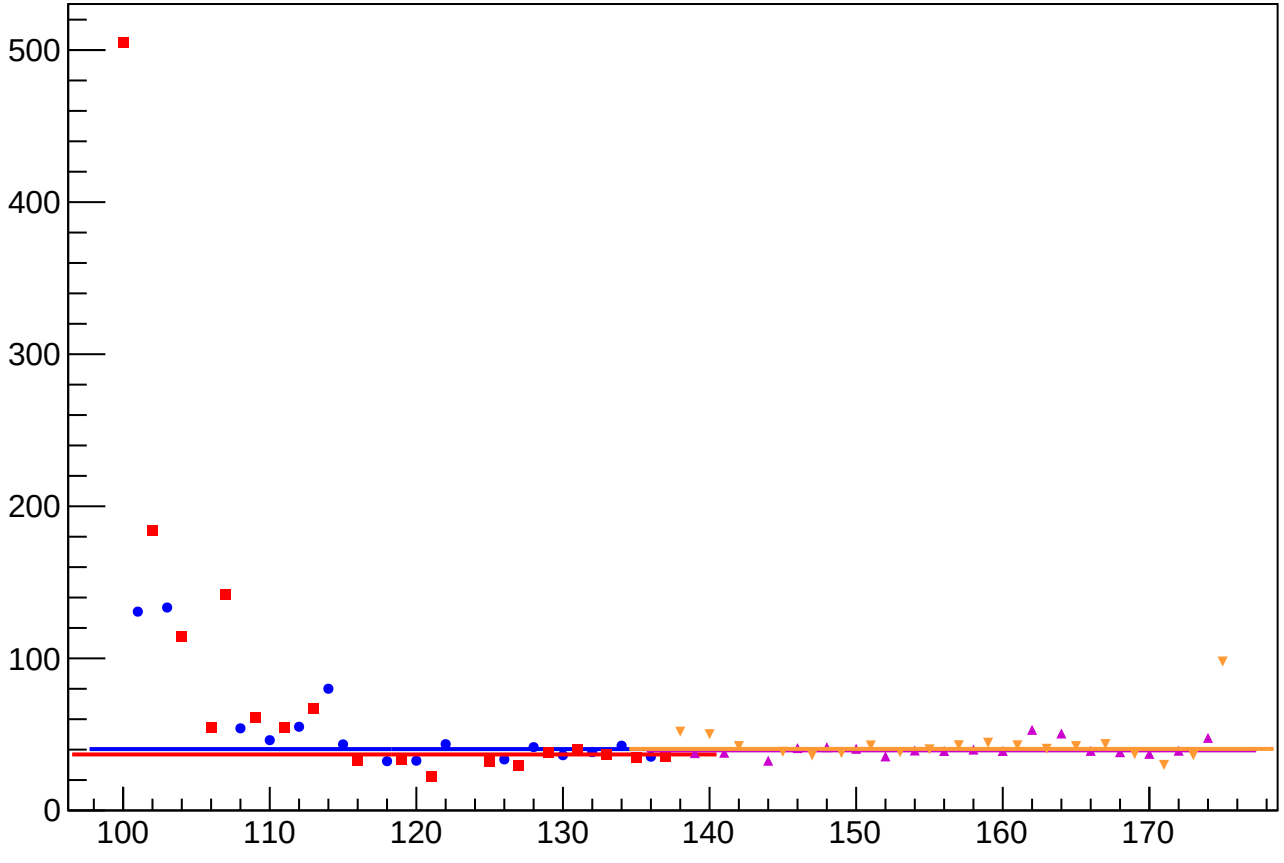
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: -0.000+/-0.007 χ^2/NDF: 62.8/70

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.477+/-0.008 χ^2/NDF:883136.8/18

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

Left: 39.980+/-0.006 χ^2/NDF: 1172605.1/36

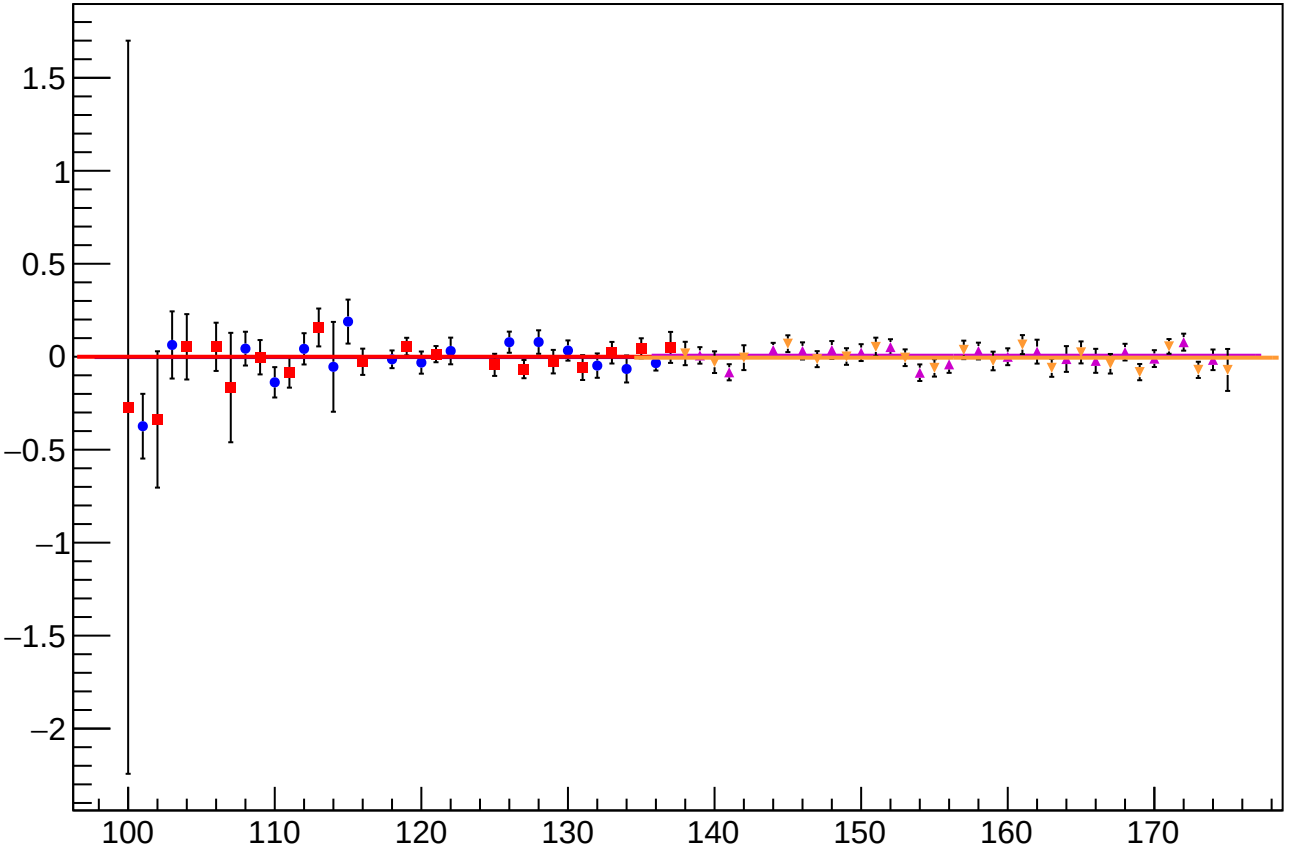
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.759+/-0.007 χ^2/NDF:1695622.5/33

Out: 39.312+/-0.007 χ^2/NDF:2785677.2/36

All: 39.538+/-0.005 χ^2/NDF: 4483573.4/70

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.000+/-0.008 χ^2/NDF: 34.8/36

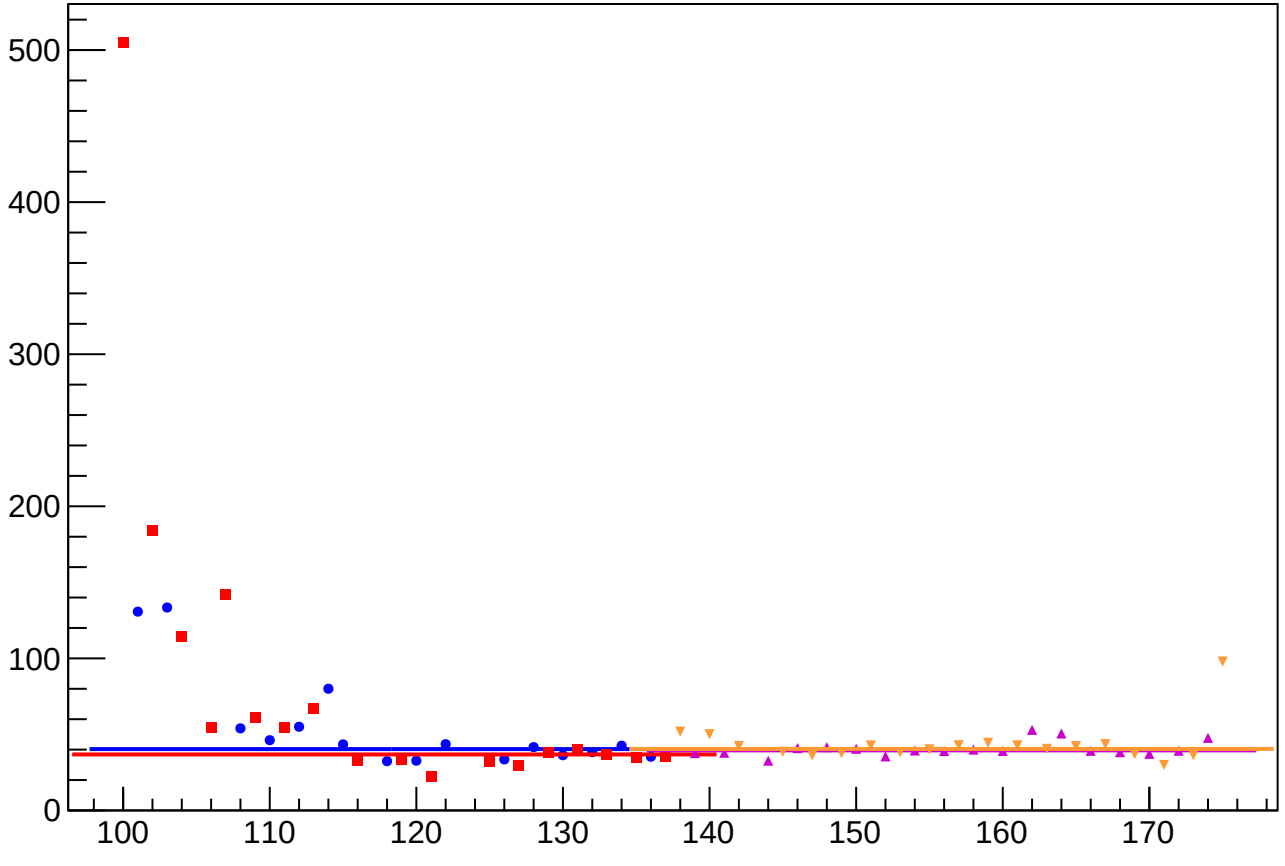
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: -0.000+/-0.007 χ^2/NDF: 62.8/70

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.477+/-0.008 χ^2/NDF:883136.8/18

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

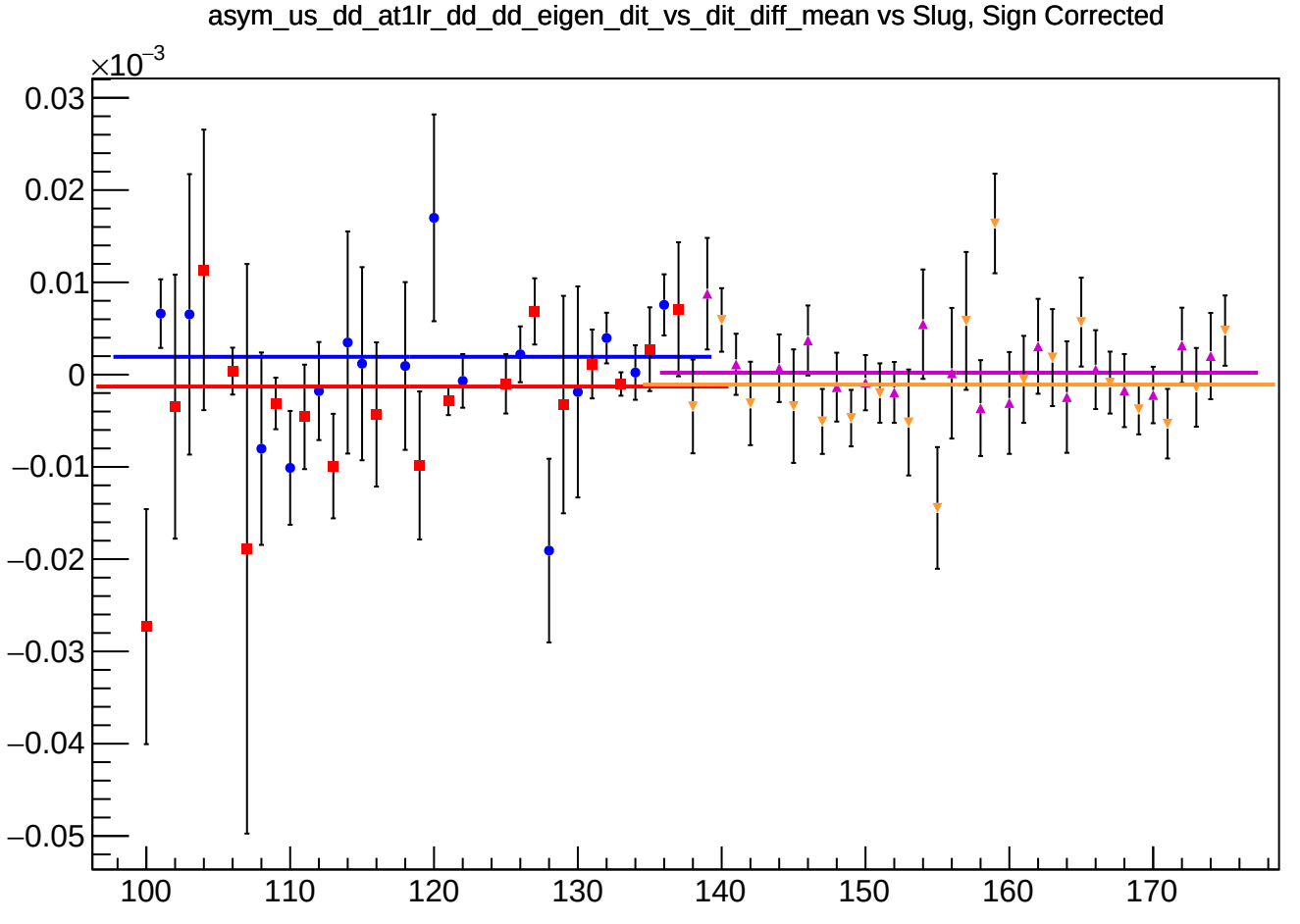
Left: 39.980+/-0.006 χ^2/NDF: 1172605.1/36

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.759+/-0.007 χ^2/NDF:1695622.5/33

Out: 39.312+/-0.007 χ^2/NDF:2785677.2/36

All: 39.538+/-0.005 χ^2/NDF: 4483573.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/17

Left: -0.000+/-0.000 χ^2/NDF: 38.7/36

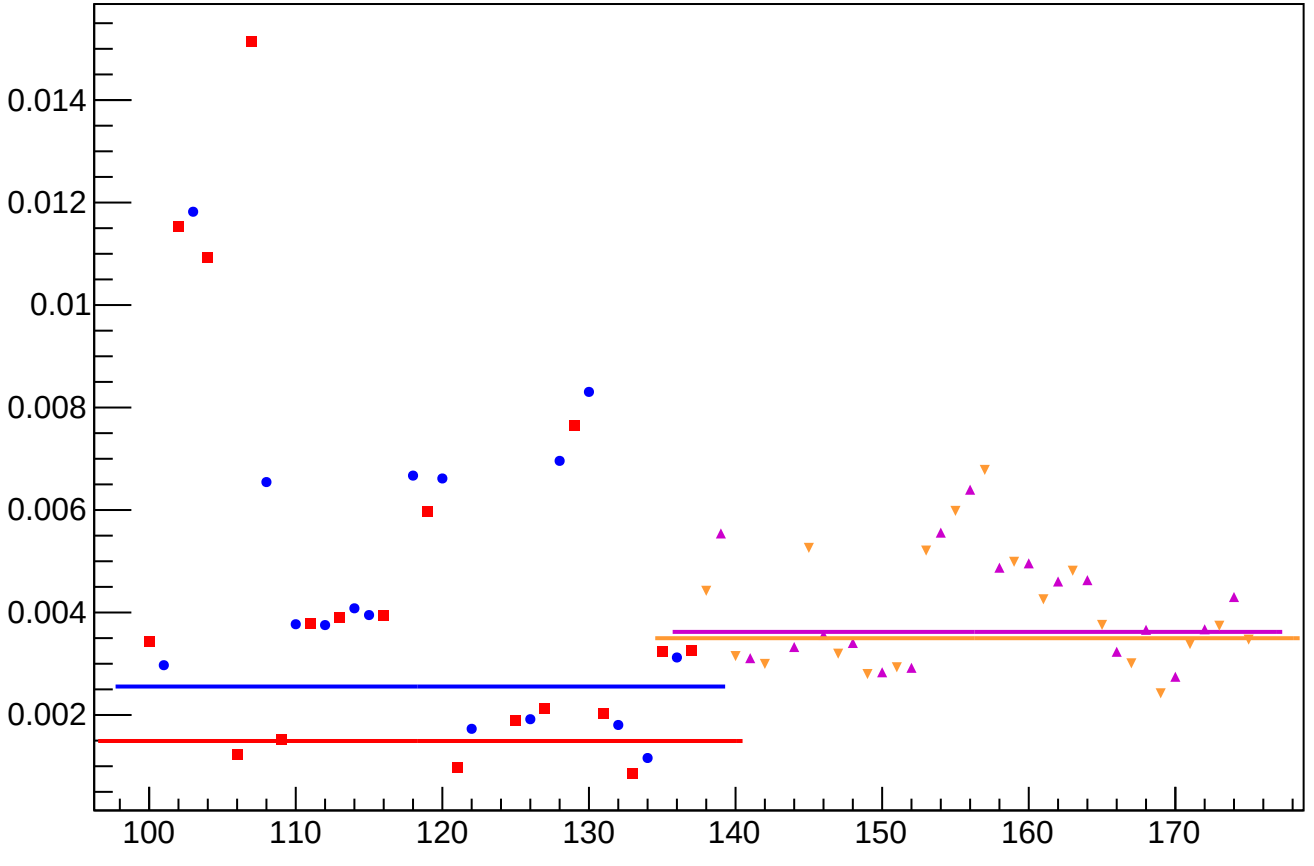
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:26.6/33

Out: -0.000+/-0.000 χ^2/NDF:49.3/36

All: -0.000+/-0.000 χ^2/NDF: 81.0/70

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:2006941.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1605232.5/17

Left: 0.004+/-0.000 χ^2/NDF: 3628726.1/36

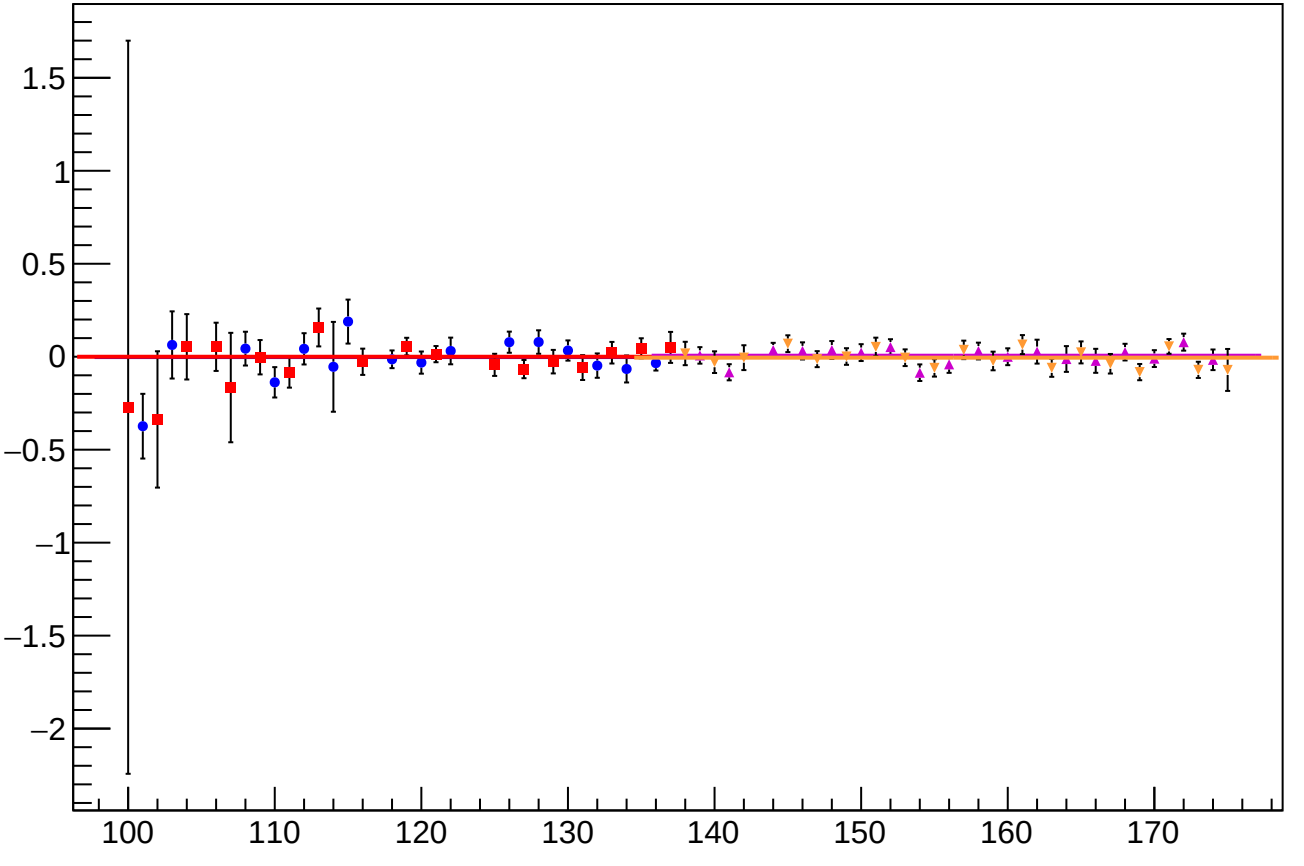
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6396375.6/33

Out: 0.002+/-0.000 χ^2/NDF:13123291.9/36

All: 0.003+/-0.000 χ^2/NDF: 21319168.0/70

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.000+/-0.008 χ^2/NDF: 34.8/36

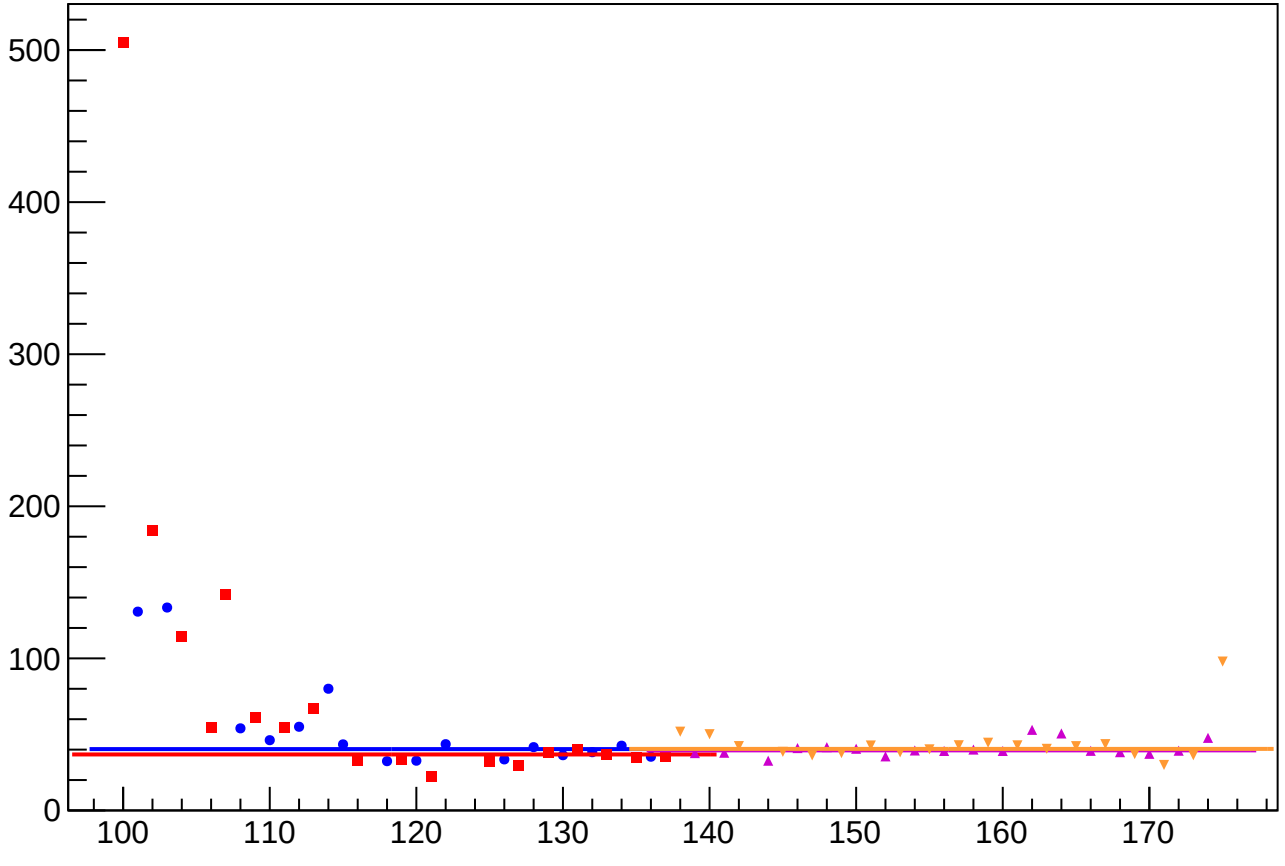
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: -0.000+/-0.007 χ^2/NDF: 62.8/70

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.477+/-0.008 χ^2/NDF:883175.1/18

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

Left: 39.980+/-0.006 χ^2/NDF: 1172607.0/36

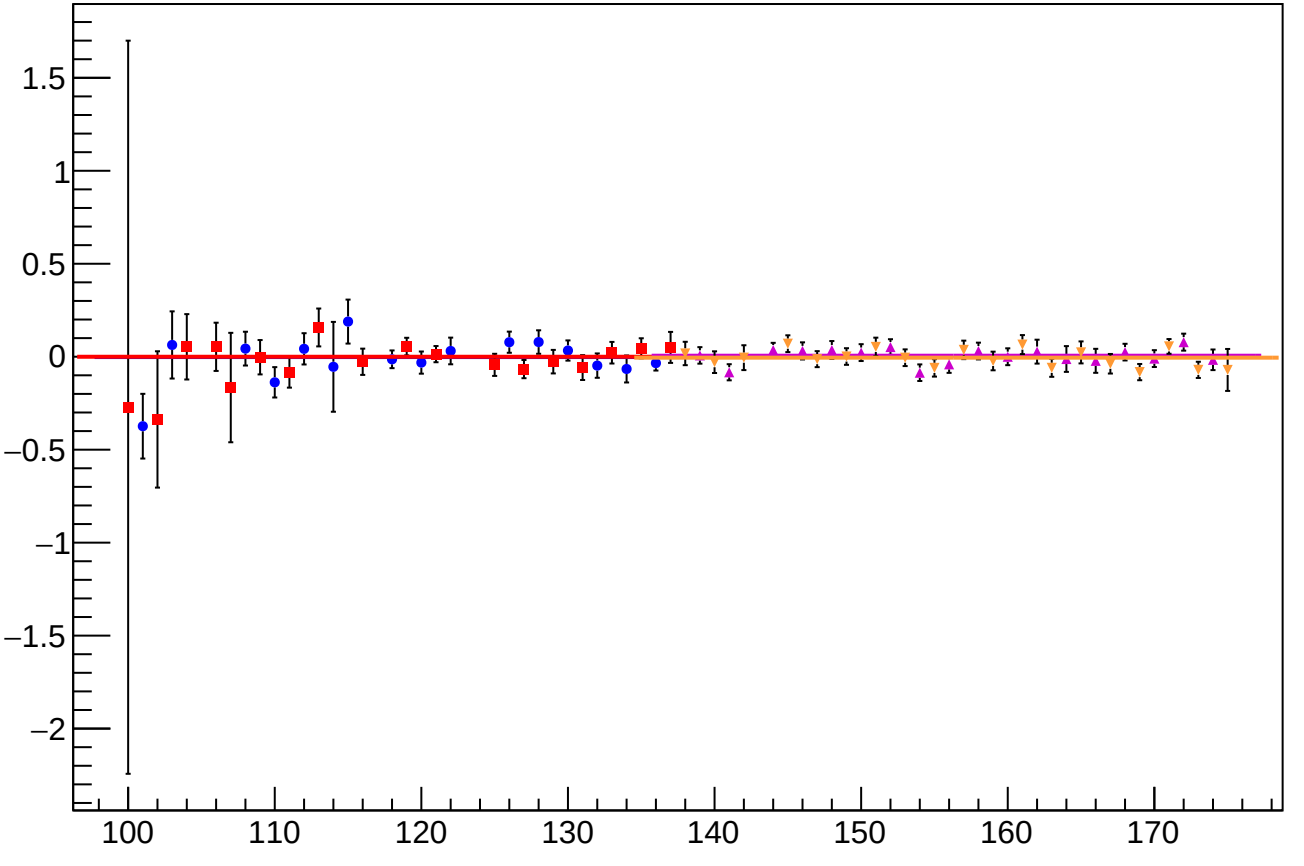
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.759+/-0.007 χ^2/NDF:1695492.5/33

Out: 39.312+/-0.007 χ^2/NDF:2785735.2/36

All: 39.537+/-0.005 χ^2/NDF: 4483506.8/70

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.000+/-0.008 χ^2/NDF: 34.8/36

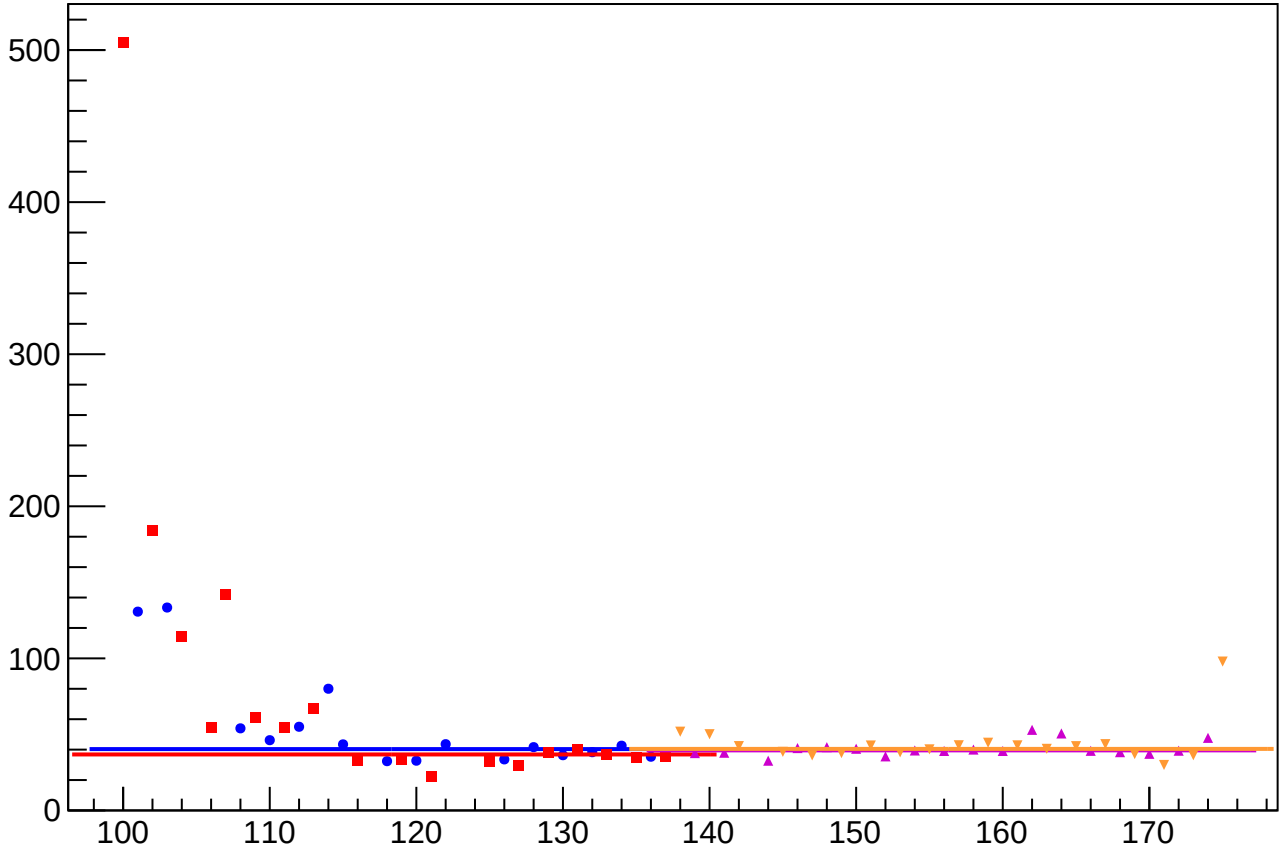
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: -0.000+/-0.007 χ^2/NDF: 62.8/70

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.477+/-0.008 χ^2/NDF:883175.1/18

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

Left: 39.980+/-0.006 χ^2/NDF: 1172607.0/36

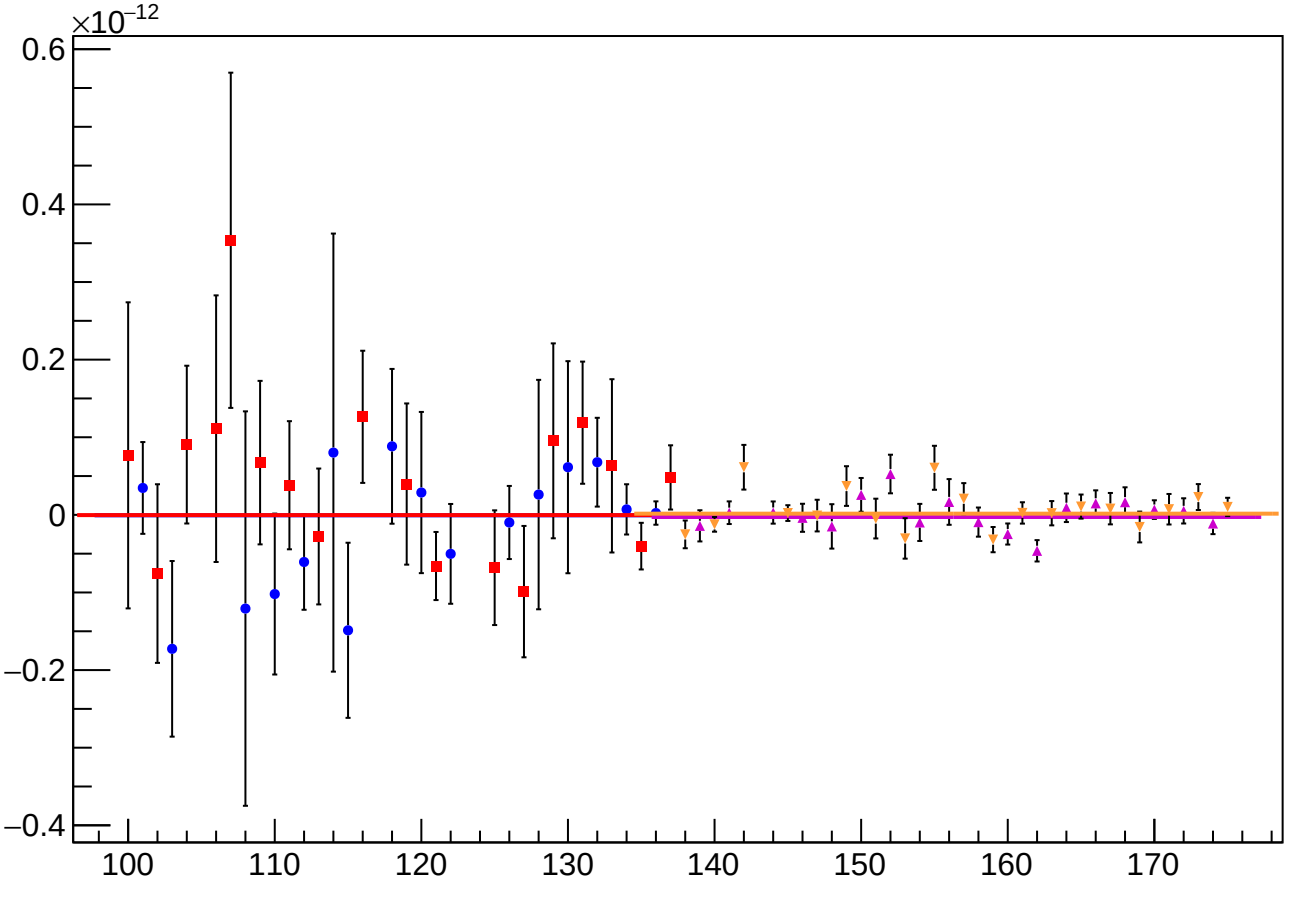
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.759+/-0.007 χ^2/NDF:1695492.5/33

Out: 39.312+/-0.007 χ^2/NDF:2785735.2/36

All: 39.537+/-0.005 χ^2/NDF: 4483506.8/70

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.5/17

Left: -0.000+/-0.000 χ^2/NDF: 50.3/36

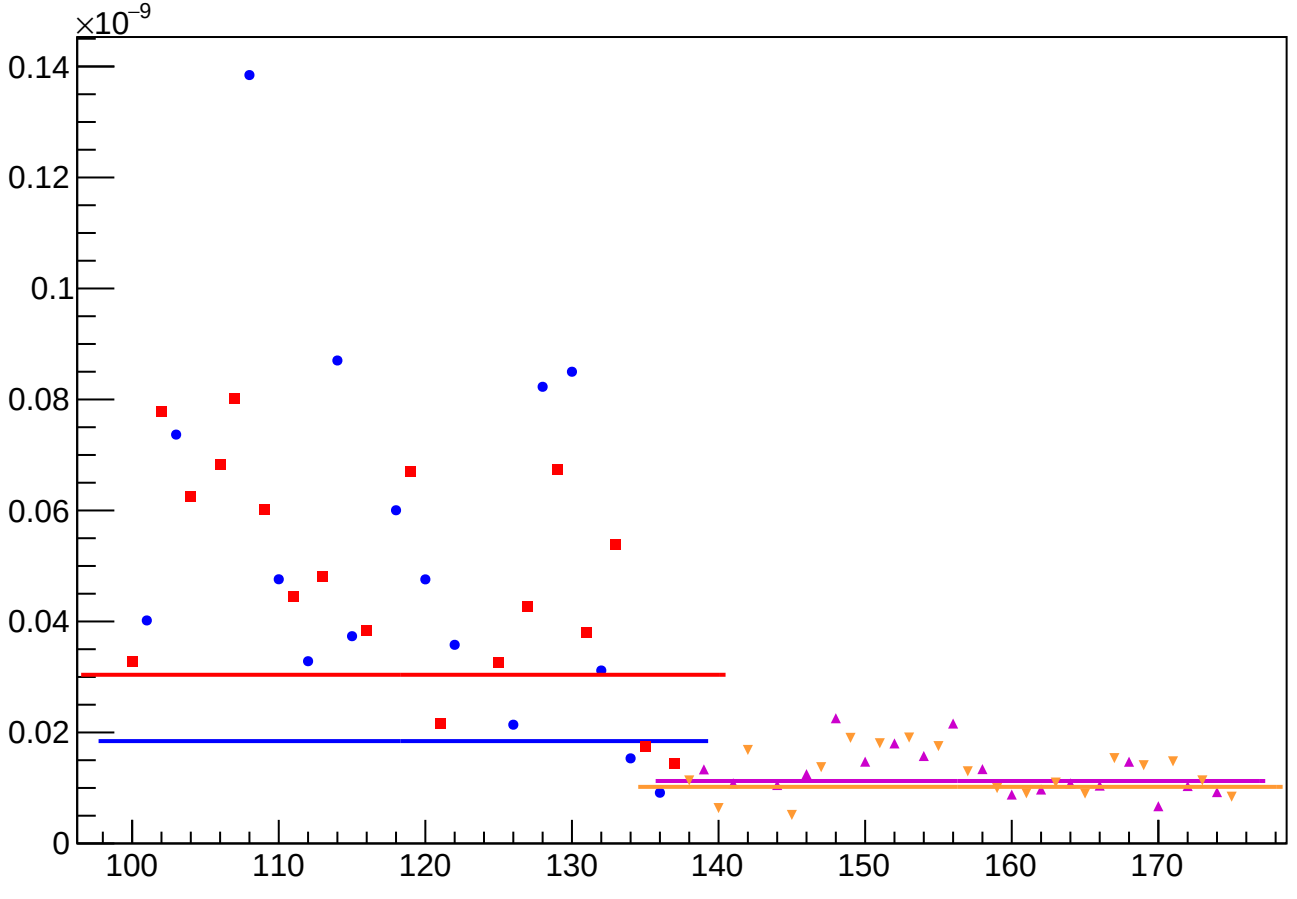
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:34.4/33

Out: 0.000+/-0.000 χ^2/NDF:43.5/36

All: -0.000+/-0.000 χ^2/NDF: 78.5/70

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235854.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1391431.8/17

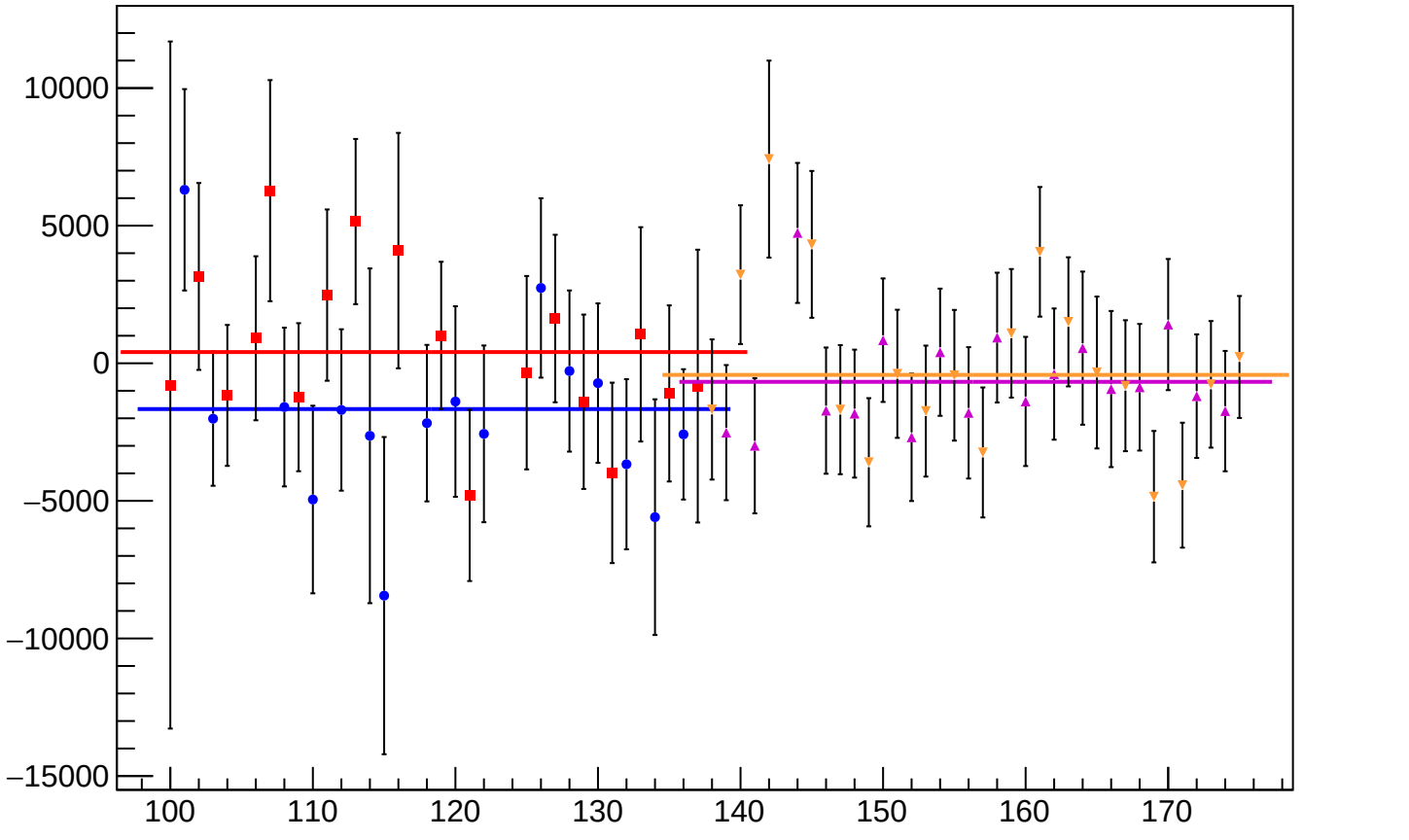
Left: 0.000+/-0.000 χ^2/NDF: 3701573.6/36

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6104773.6/33

Out: 0.000+/-0.000 χ^2/NDF:7485829.5/36

All: 0.000+/-0.000 χ^2/NDF: 13641993.6/70



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.556+/-556.557 χ^2/NDF:25.6/18

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -674.982+/-561.509 χ^2/NDF:9.9/17

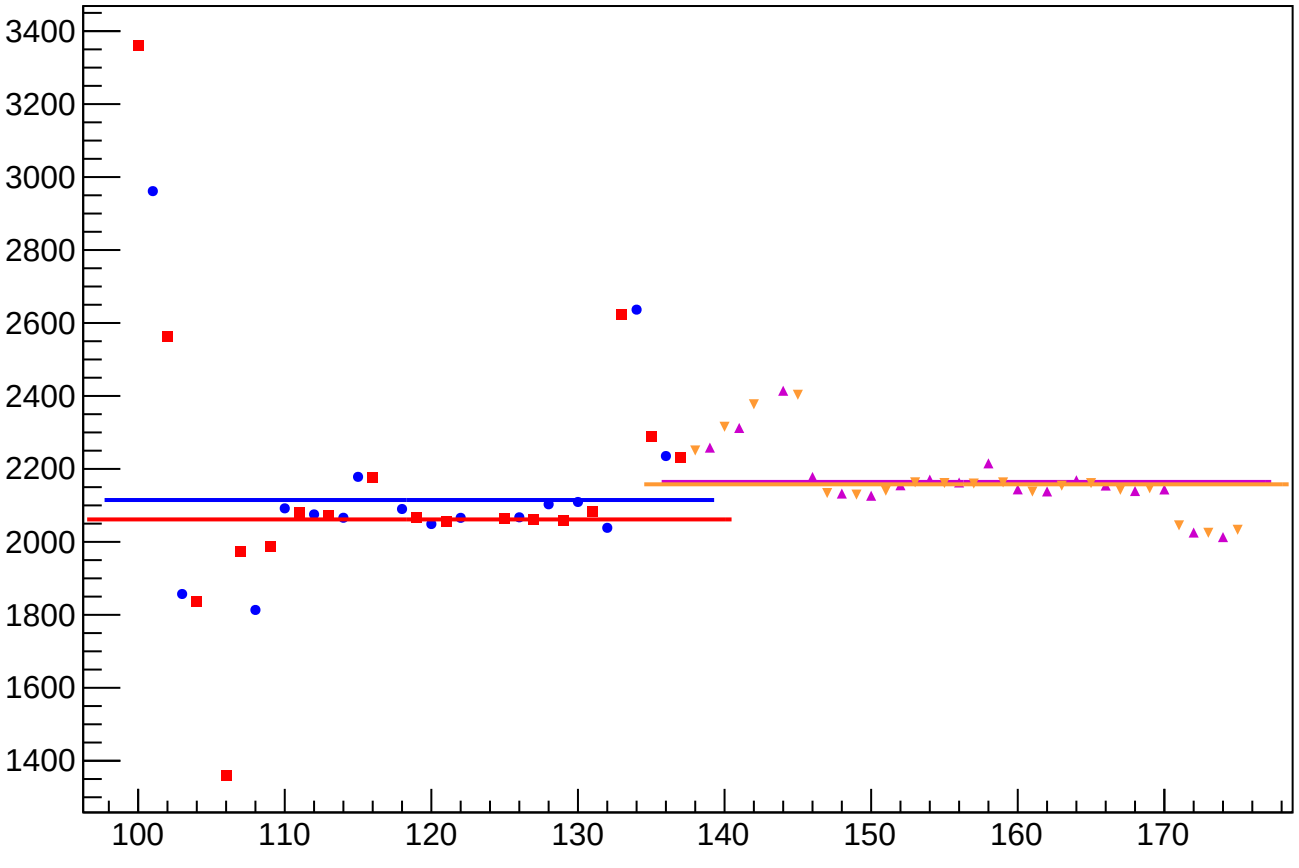
Left: -547.651+/-395.284 χ^2/NDF: 35.6/36

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1005.827+/-458.098 χ^2/NDF:21.7/33

Out: -141.388+/-452.491 χ^2/NDF:39.1/36

All: -568.285+/-321.923 χ^2/NDF: 62.6/70



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

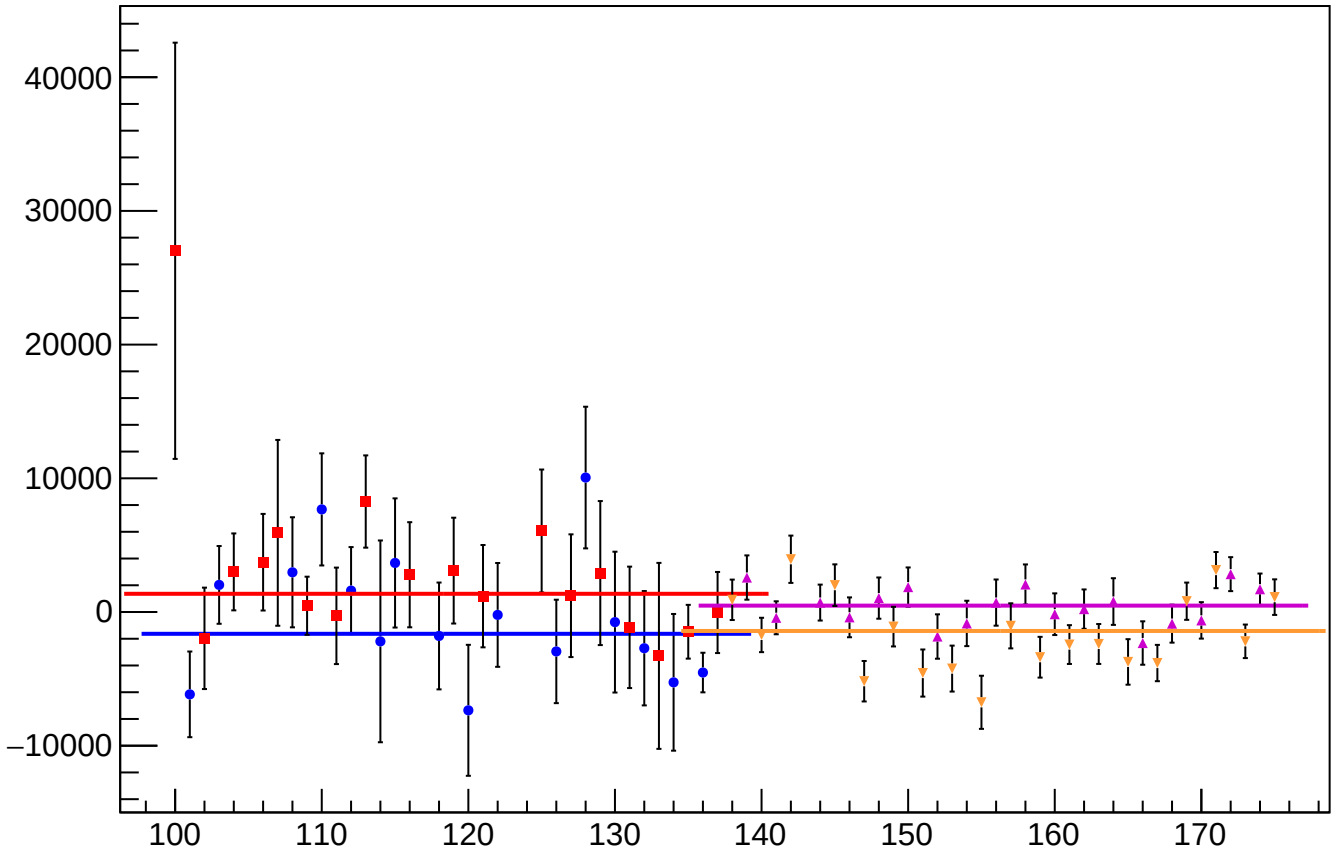
Left: 2161.047+/-0.280 χ^2/NDF: 103352.7/36

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2147.757+/-0.324 χ^2/NDF:244610.9/33

Out: 2125.183+/-0.320 χ^2/NDF:323207.0/36

All: 2136.331+/-0.228 χ^2/NDF: 570275.9/70



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1418.425+/-344.287 χ^2/NDF:61.2/18

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 477.445+/-345.778 χ^2/NDF:16.5/17

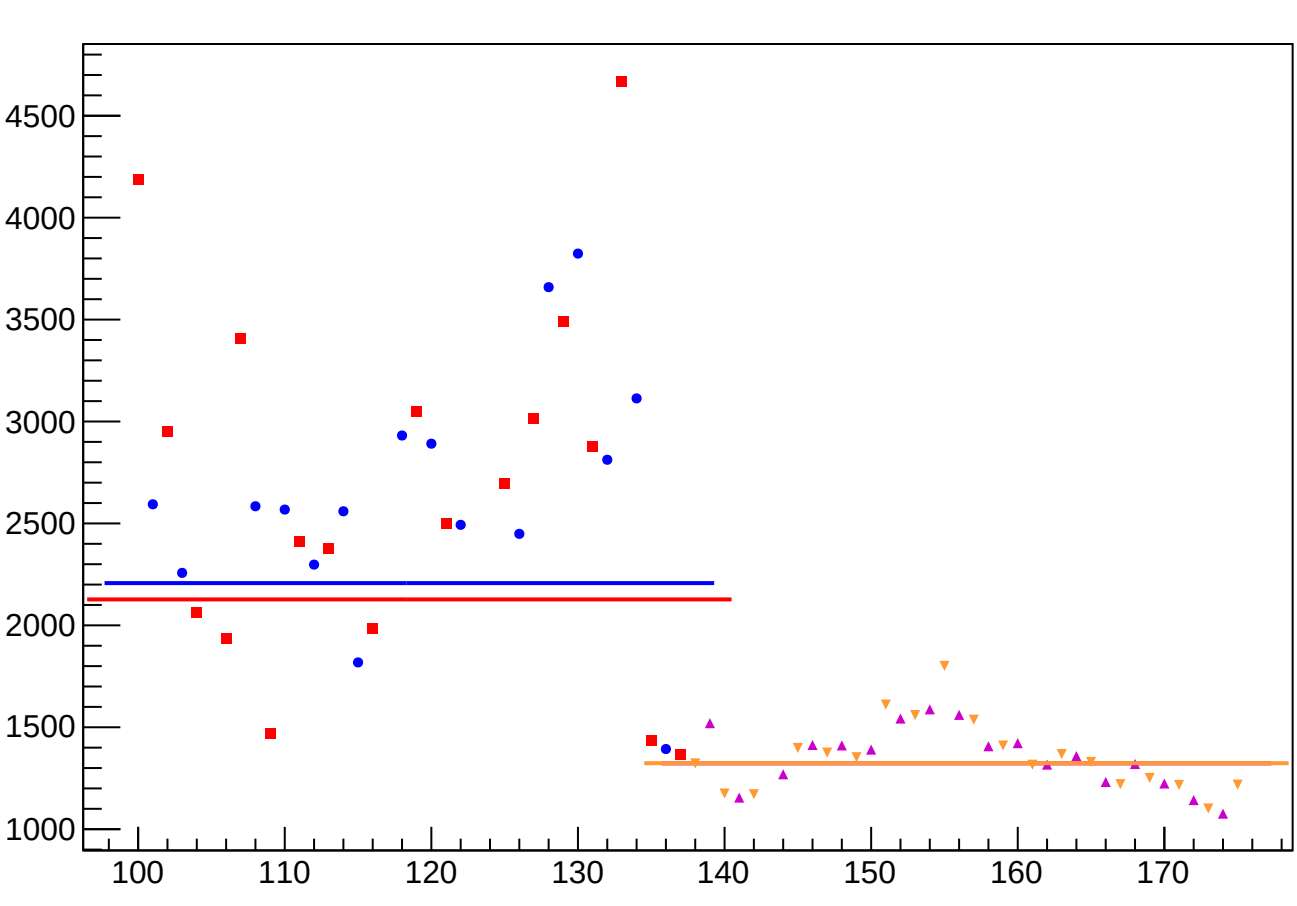
Left: -474.586+/-243.973 χ^2/NDF: 92.9/36

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 185.518+/-320.942 χ^2/NDF:44.5/33

Out: -1018.885+/-318.590 χ^2/NDF:84.1/36

All: -421.114+/-226.104 χ^2/NDF: 135.7/70



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1323.740+/-0.243 χ^2/NDF:400565.1/18

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1322.875+/-0.245 χ^2/NDF:369214.2/17

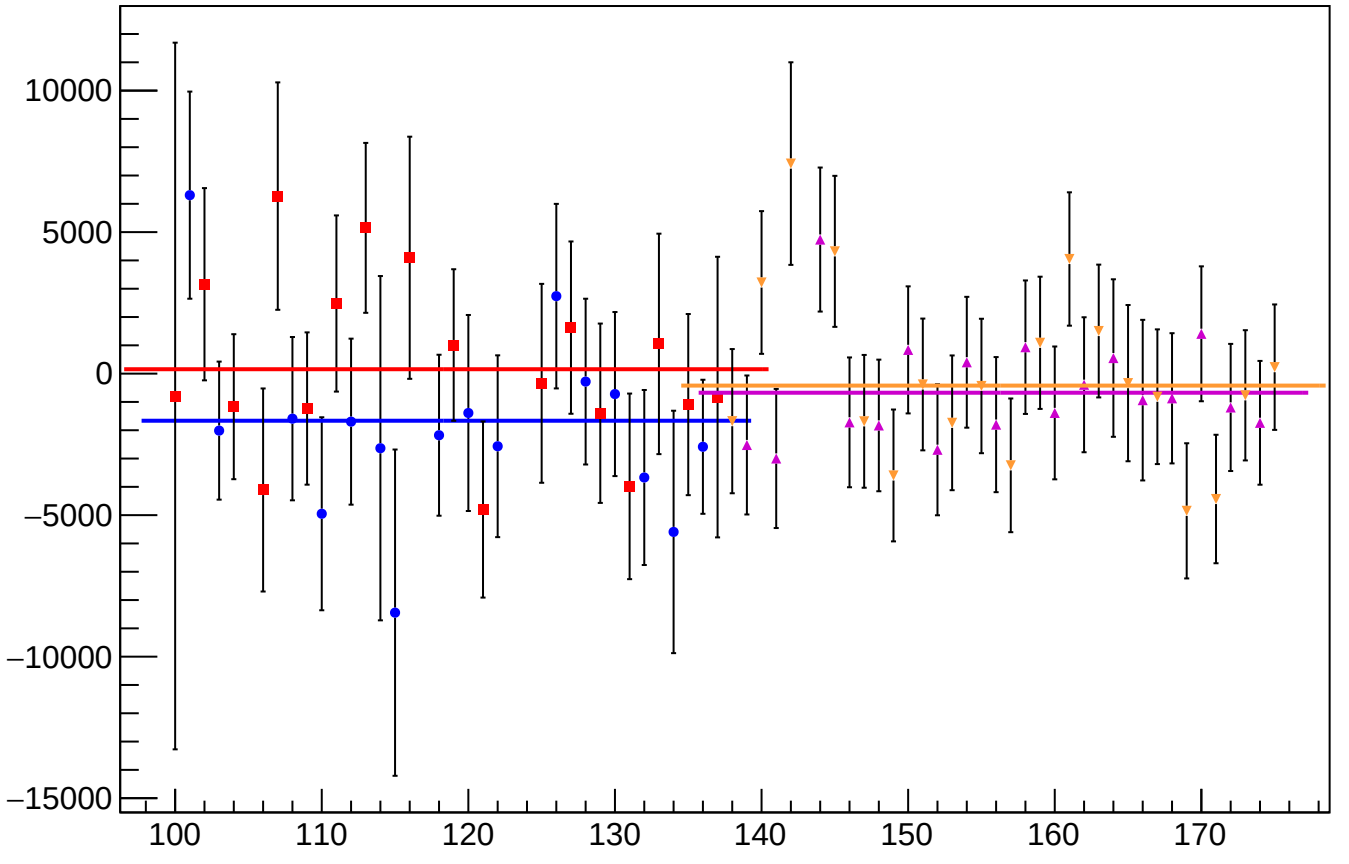
Left: 1323.309+/-0.173 χ^2/NDF: 769785.5/36

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1445.353+/-0.227 χ^2/NDF:3430372.4/33

Out: 1439.205+/-0.225 χ^2/NDF:3423985.8/36

All: 1442.256+/-0.160 χ^2/NDF: 6854727.9/70



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -674.840+/-561.509 χ^2/NDF:9.9/17

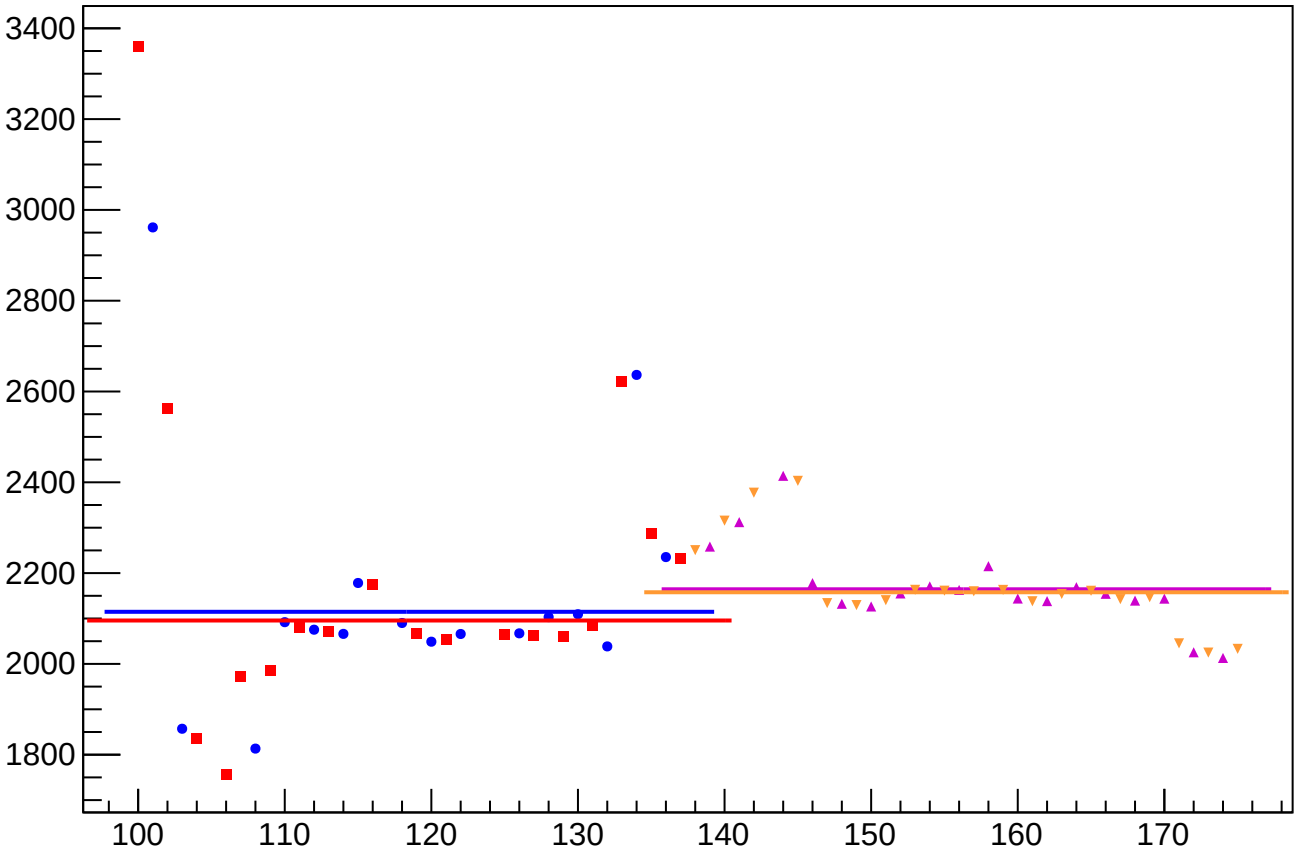
Left: -547.515+/-395.284 χ^2/NDF: 35.6/36

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1005.707+/-458.098 χ^2/NDF:21.8/33

Out: -229.165+/-454.116 χ^2/NDF:40.1/36

All: -614.047+/-322.507 χ^2/NDF: 63.3/70



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

Left: 2161.047+/-0.280 χ^2/NDF: 103352.7/36

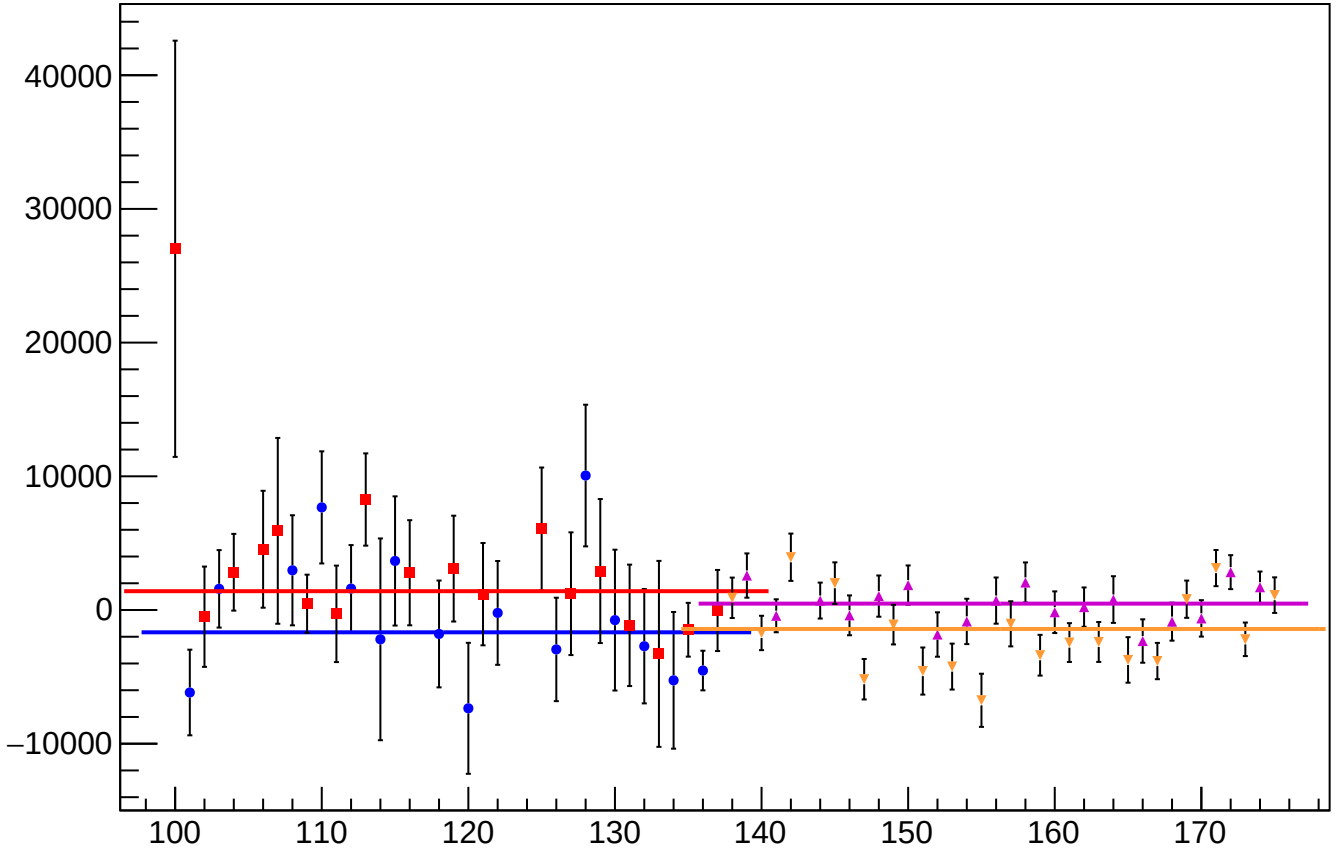
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2147.757+/-0.324 χ^2/NDF:244611.3/33

Out: 2137.018+/-0.321 χ^2/NDF:211455.7/36

All: 2142.340+/-0.228 χ^2/NDF: 456621.3/70

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1418.462+/-344.289 χ^2/NDF:61.2/18

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 477.364+/-345.778 χ^2/NDF:16.5/17

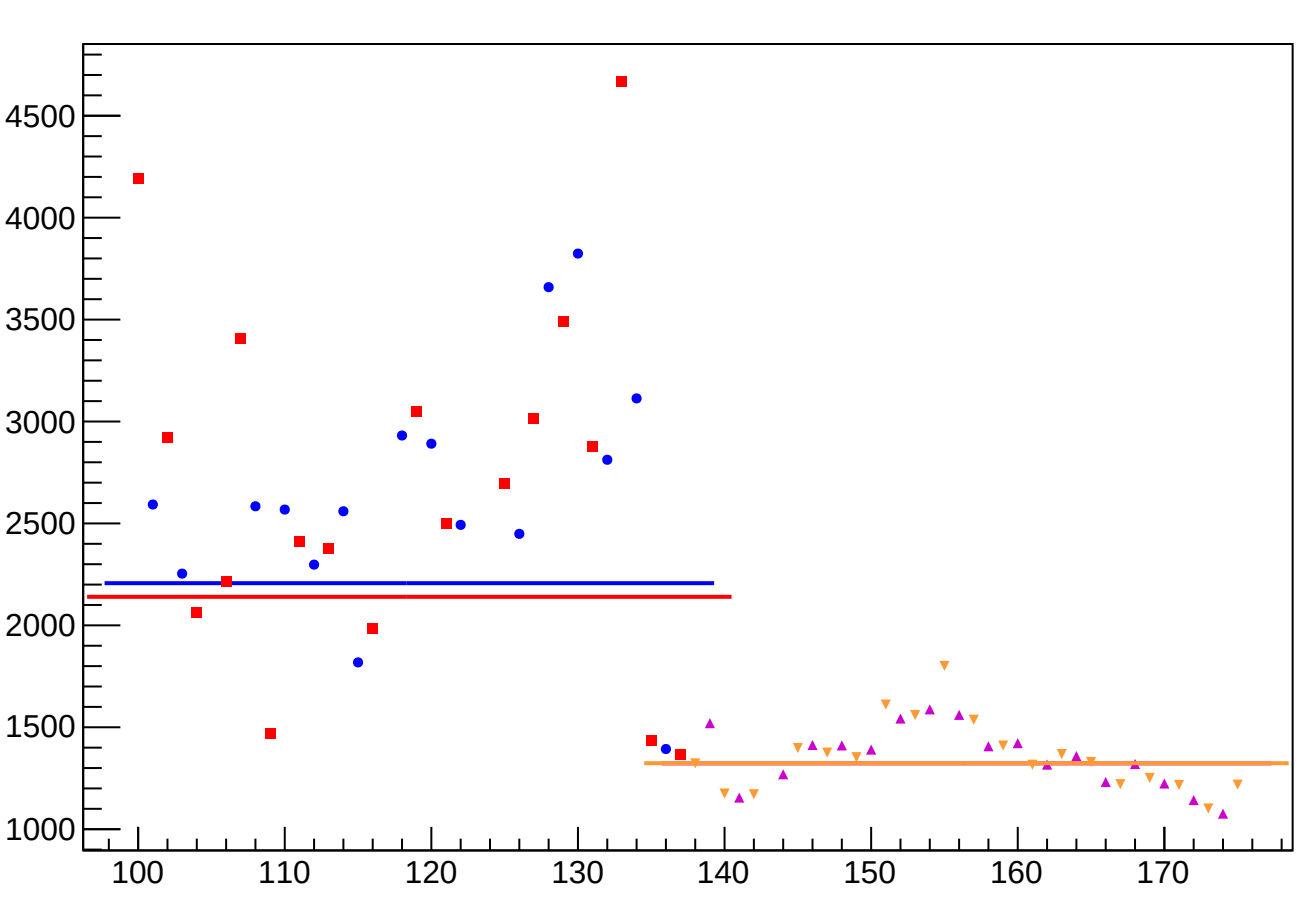
Left: -474.639+/-243.974 χ^2/NDF: 92.9/36

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 180.012+/-320.927 χ^2/NDF:44.4/33

Out: -1017.735+/-318.950 χ^2/NDF:83.8/36

All: -422.562+/-226.228 χ^2/NDF: 135.1/70



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1323.750+/-0.243 χ^2/NDF:400513.7/18

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

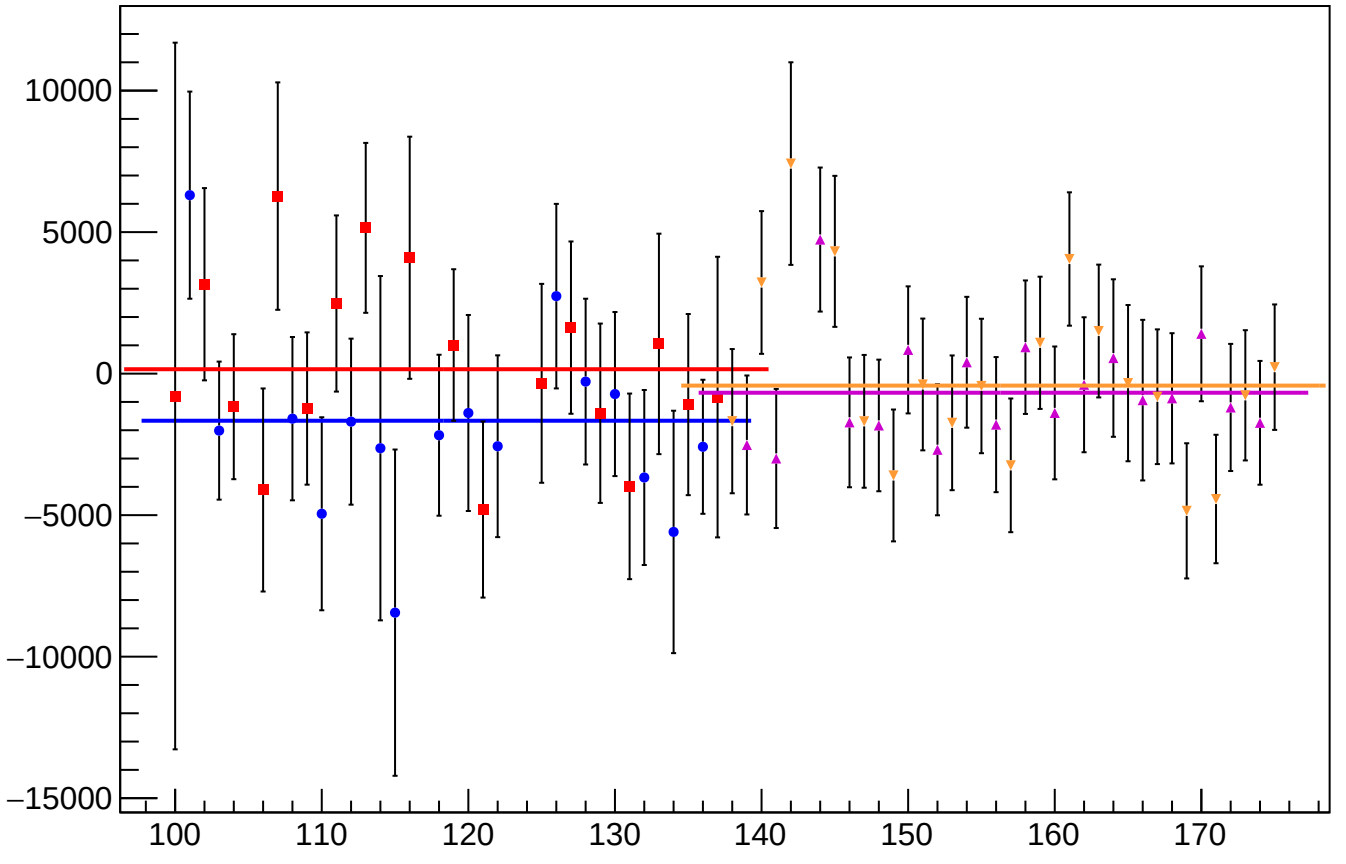
Left: 1323.314+/-0.173 χ^2/NDF: 769760.9/36

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1445.378+/-0.227 χ^2/NDF:3429833.5/33

Out: 1439.485+/-0.226 χ^2/NDF:3442933.8/36

All: 1442.413+/-0.160 χ^2/NDF: 6873106.5/70



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -674.840+/-561.509 χ^2/NDF:9.9/17

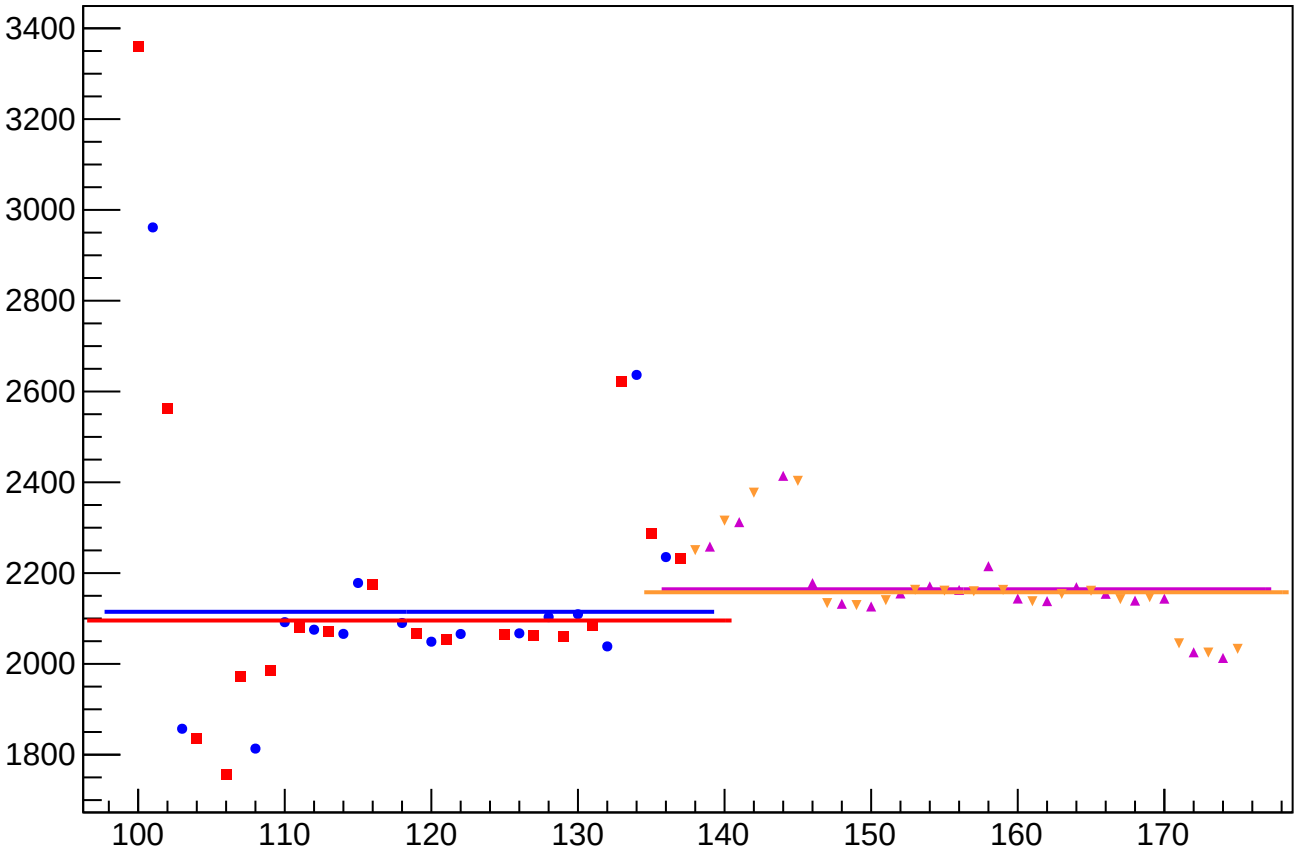
Left: -547.515+/-395.284 χ^2/NDF: 35.6/36

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1005.707+/-458.098 χ^2/NDF:21.8/33

Out: -229.165+/-454.116 χ^2/NDF:40.1/36

All: -614.047+/-322.507 χ^2/NDF: 63.3/70



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

Left: 2161.047+/-0.280 χ^2/NDF: 103352.7/36

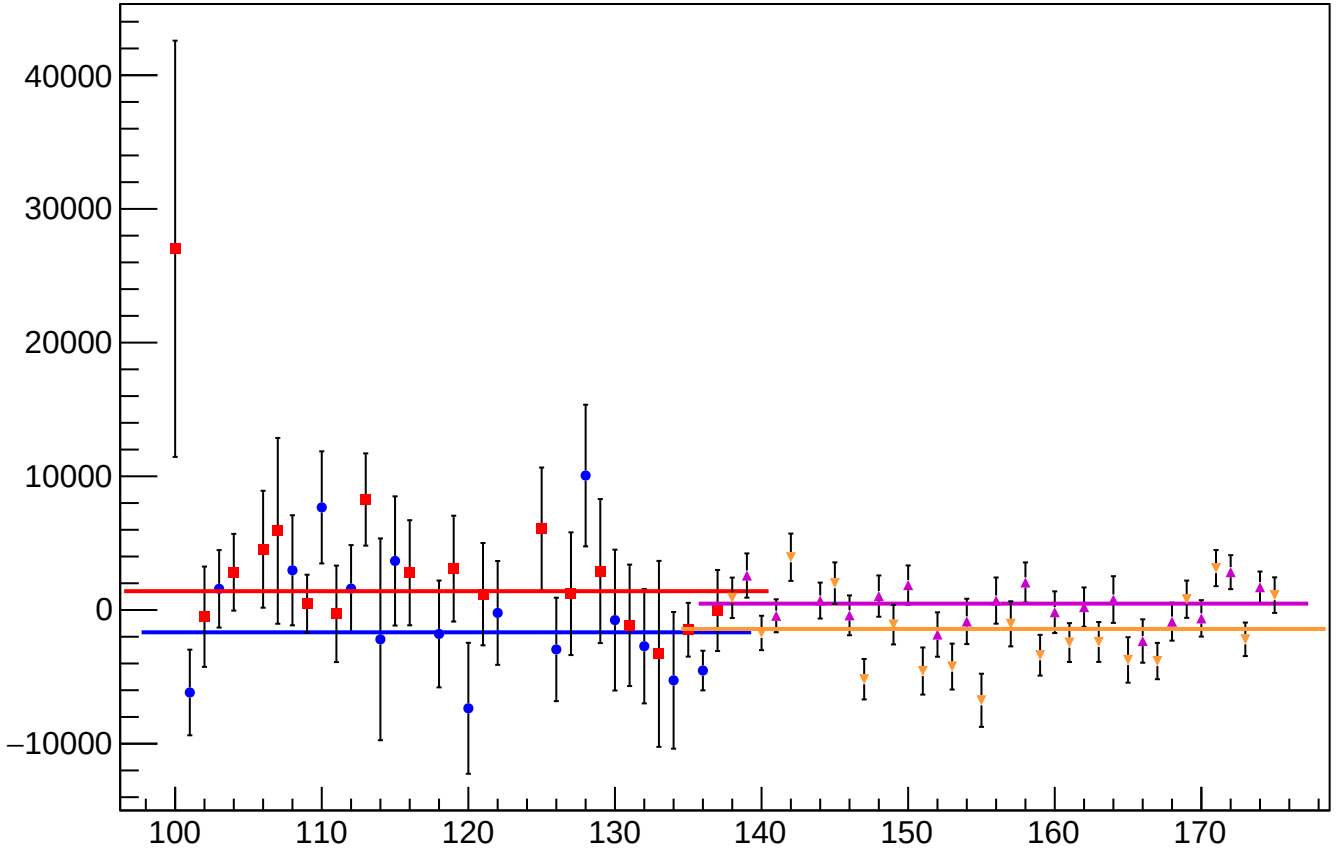
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2147.757+/-0.324 χ^2/NDF:244611.3/33

Out: 2137.018+/-0.321 χ^2/NDF:211455.7/36

All: 2142.340+/-0.228 χ^2/NDF: 456621.3/70

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1418.462+/-344.289 χ^2/NDF:61.2/18

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 477.364+/-345.778 χ^2/NDF:16.5/17

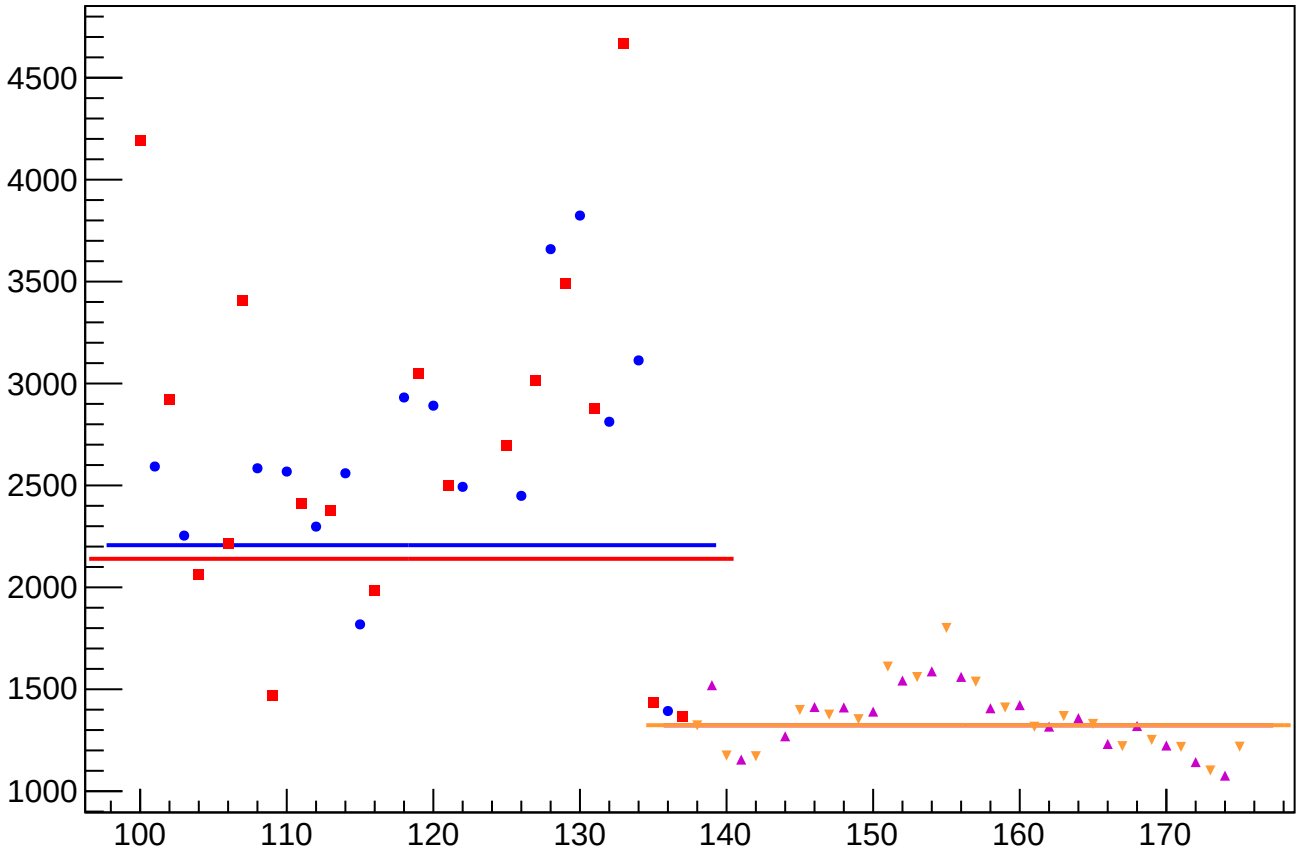
Left: -474.639+/-243.974 χ^2/NDF: 92.9/36

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 180.012+/-320.927 χ^2/NDF:44.4/33

Out: -1017.735+/-318.950 χ^2/NDF:83.8/36

All: -422.562+/-226.228 χ^2/NDF: 135.1/70



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1323.750+/-0.243 χ^2/NDF:400513.7/18

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

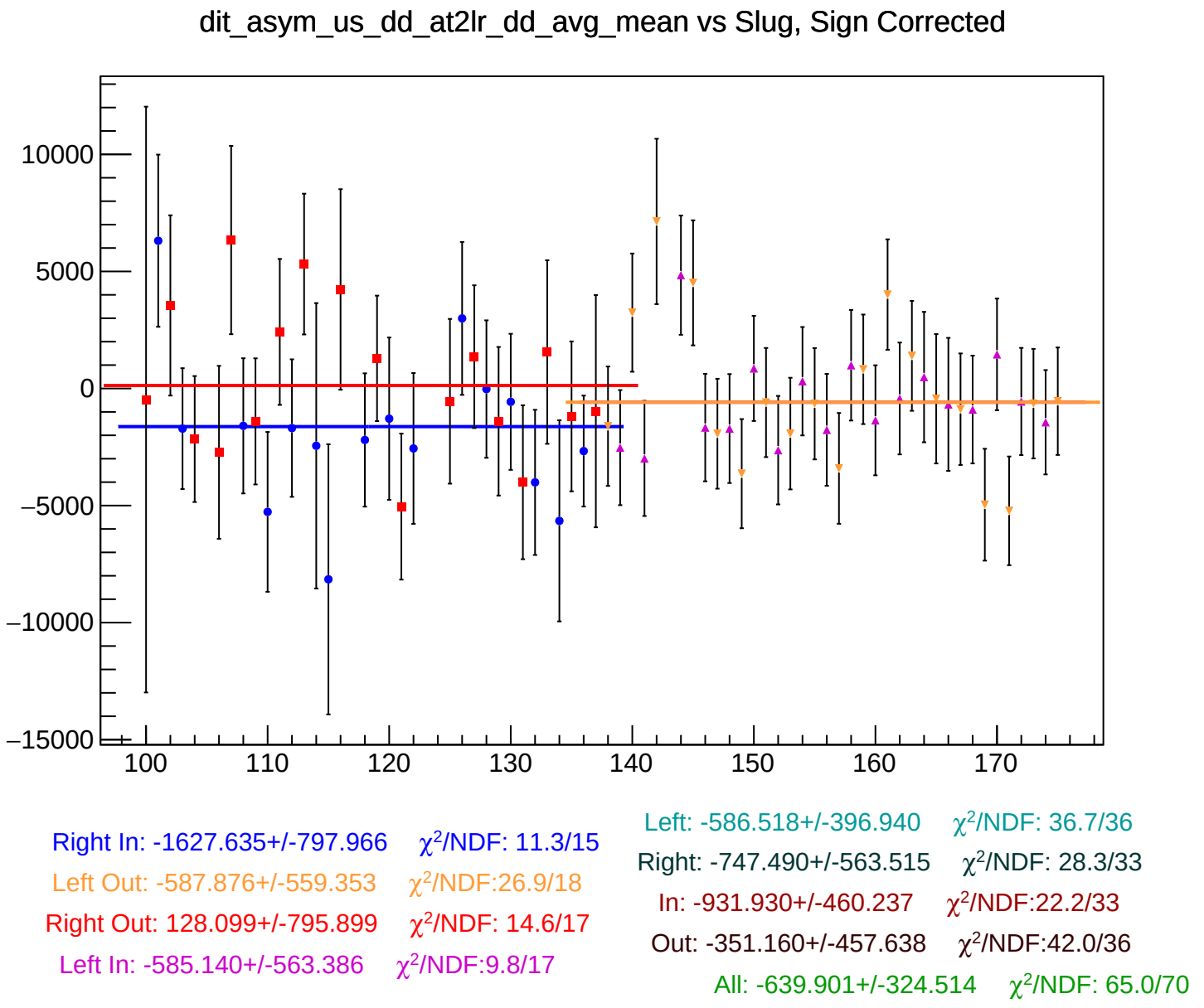
Left: 1323.314+/-0.173 χ^2/NDF: 769760.9/36

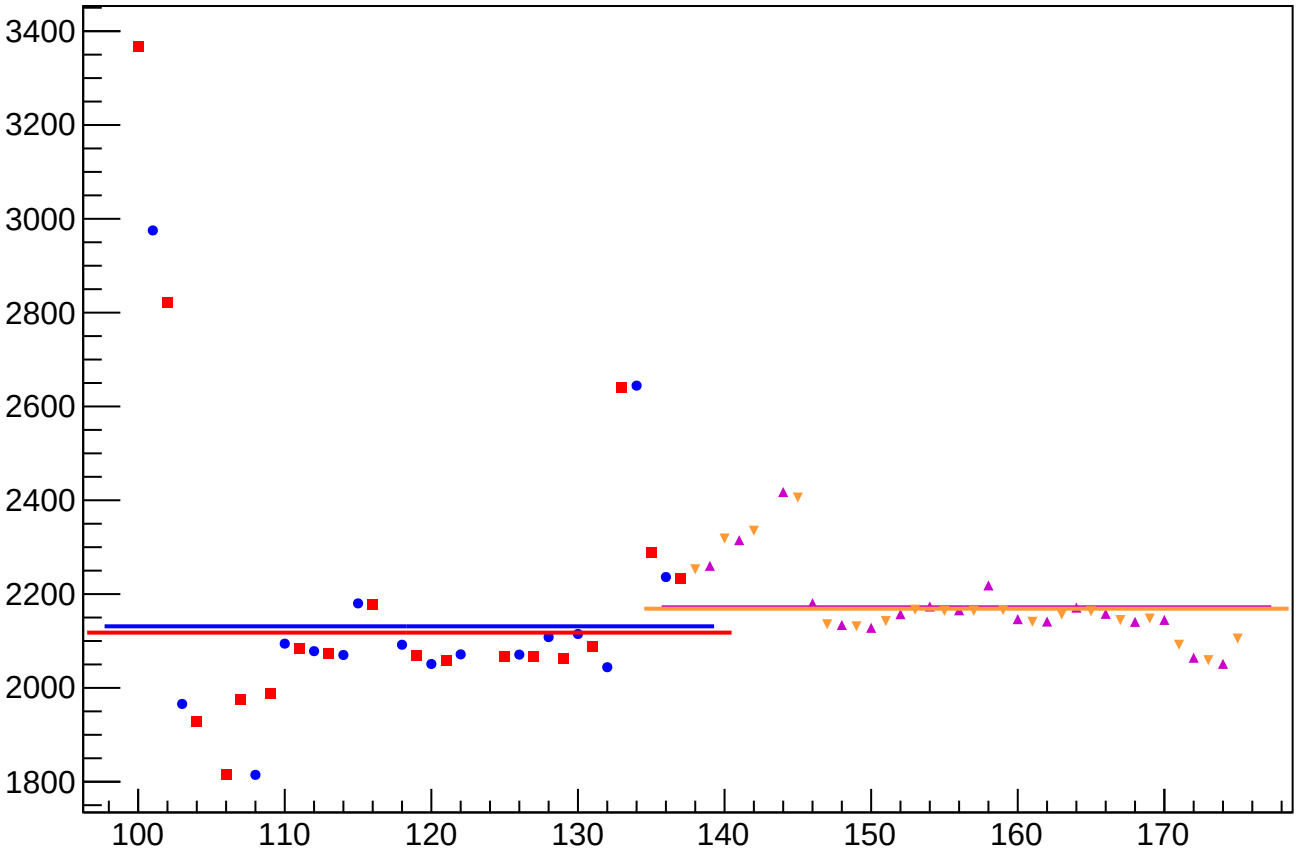
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1445.378+/-0.227 χ^2/NDF:3429833.5/33

Out: 1439.485+/-0.226 χ^2/NDF:3442933.8/36

All: 1442.413+/-0.160 χ^2/NDF: 6873106.5/70


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -587.876+/-559.353 χ²/NDF:26.9/18
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -585.140+/-563.386 χ²/NDF:9.8/17
Left: -586.518+/-396.940 χ²/NDF: 36.7/36
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -931.930+/-460.237 χ²/NDF:22.2/33
Out: -351.160+/-457.638 χ²/NDF:42.0/36
All: -639.901+/-324.514 χ²/NDF: 65.0/70



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.3/18

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2171.847+/-0.398 χ^2/NDF:41629.5/17

Left: 2170.342+/-0.281 χ^2/NDF: 81052.1/36

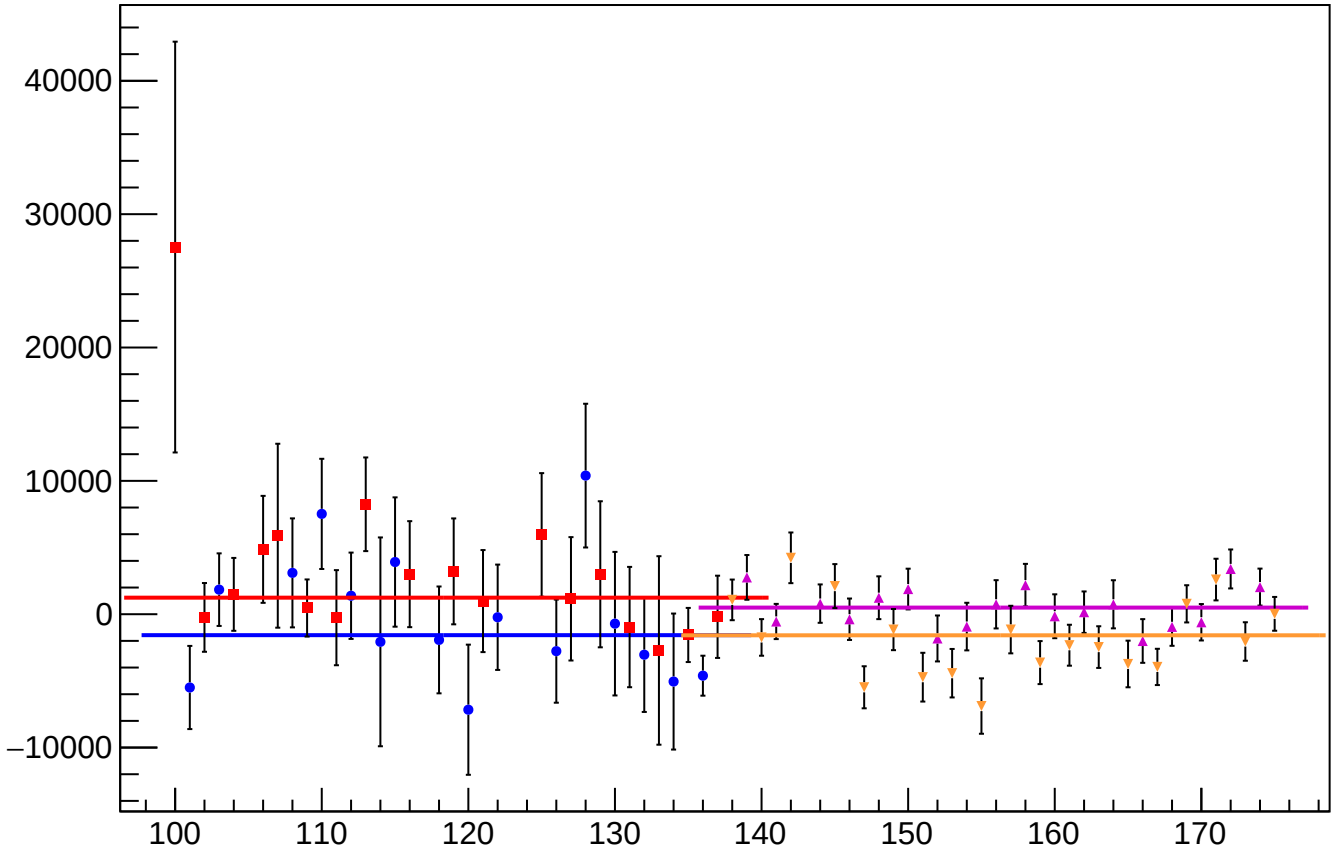
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2158.358+/-0.325 χ^2/NDF:221019.2/33

Out: 2152.000+/-0.324 χ^2/NDF:208512.3/36

All: 2155.161+/-0.229 χ^2/NDF: 429723.4/70

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1581.536+/-360.638 χ^2/NDF:54.0/18

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 495.927+/-365.743 χ^2/NDF:16.8/17

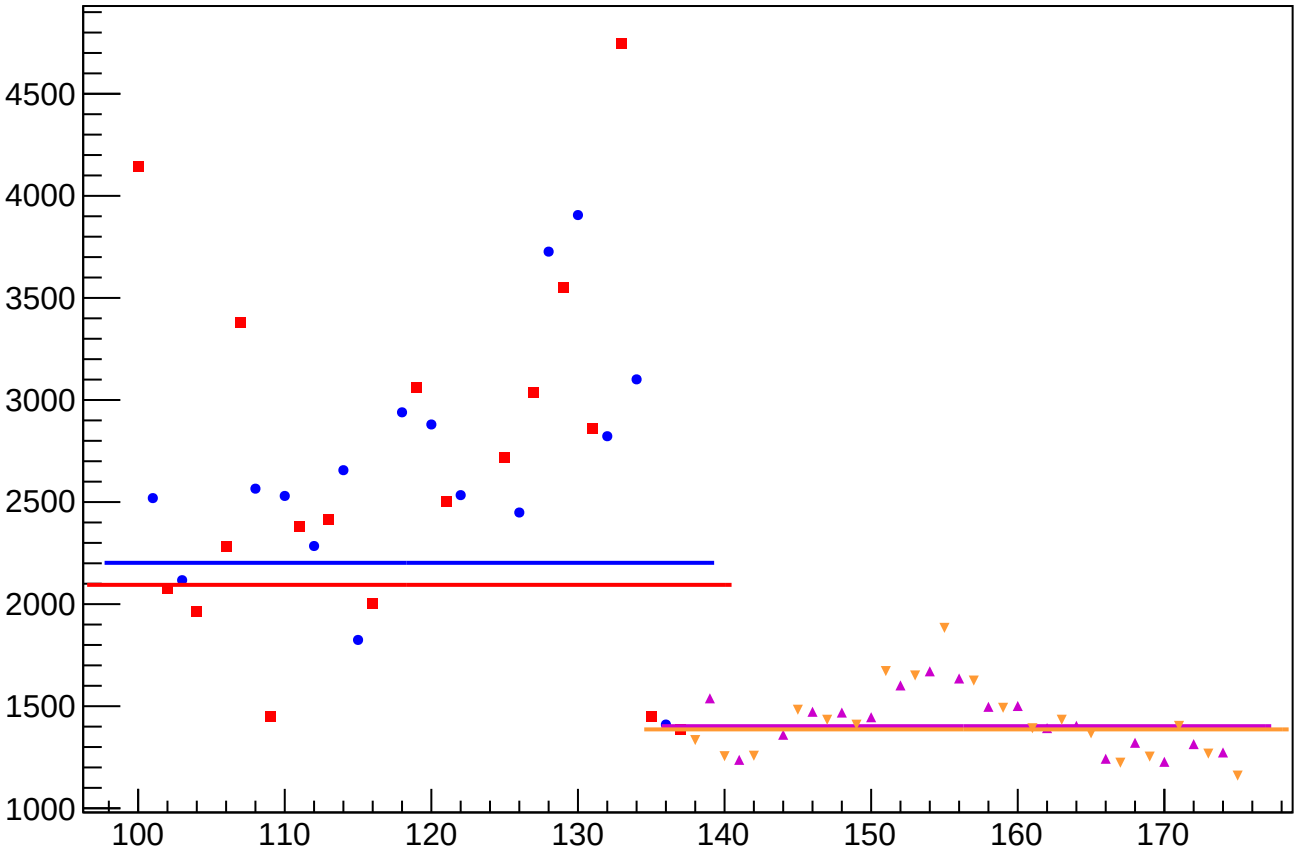
Left: -557.407+/-256.795 χ^2/NDF: 87.2/36

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 179.184+/-336.556 χ^2/NDF:44.3/33

Out: -1123.859+/-330.106 χ^2/NDF:77.0/36

All: -484.942+/-235.668 χ^2/NDF: 129.0/70



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1386.371+/-0.255 χ^2/NDF:415842.9/18

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1402.169+/-0.259 χ^2/NDF:257972.1/17

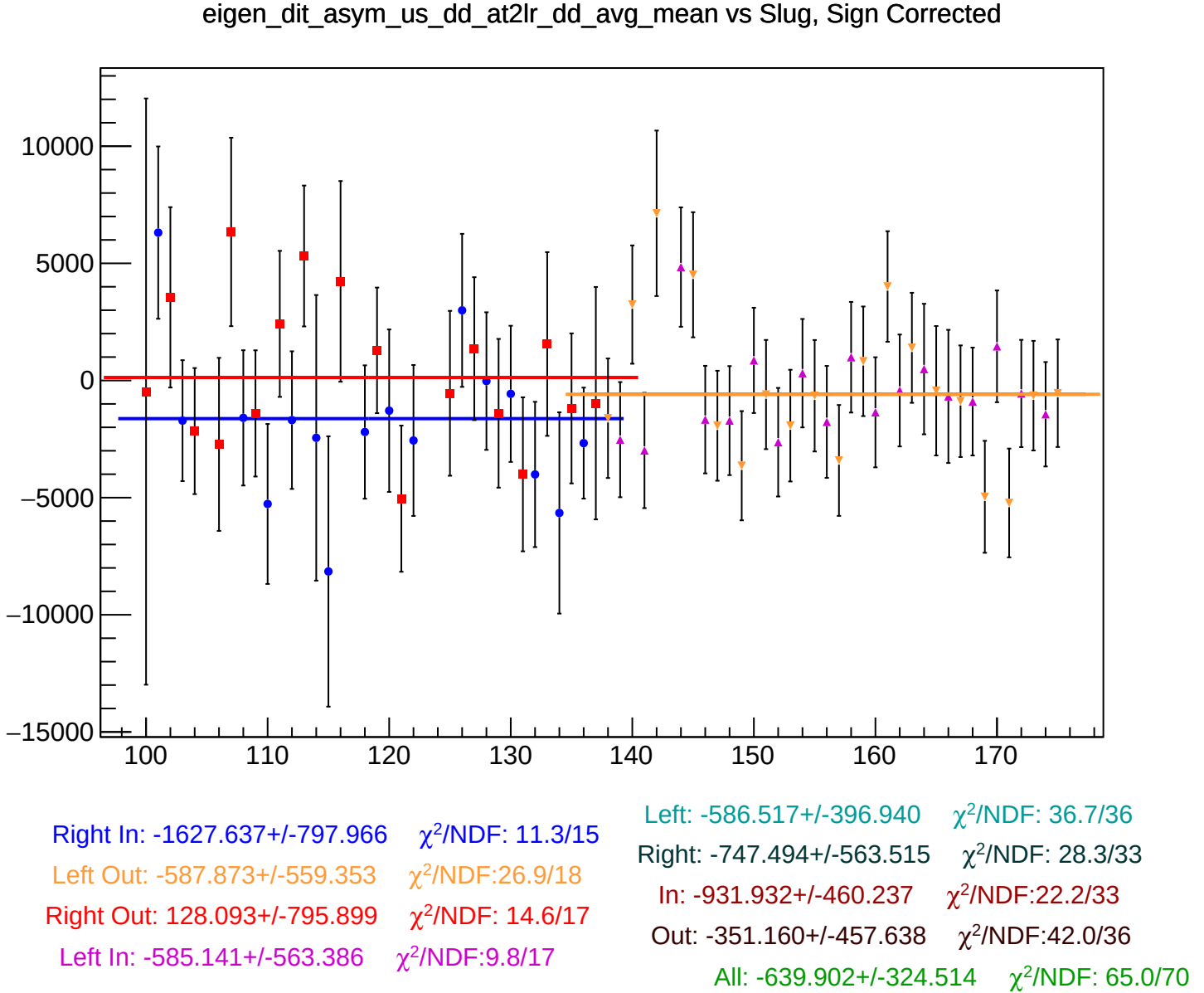
Left: 1394.159+/-0.182 χ^2/NDF: 675707.0/36

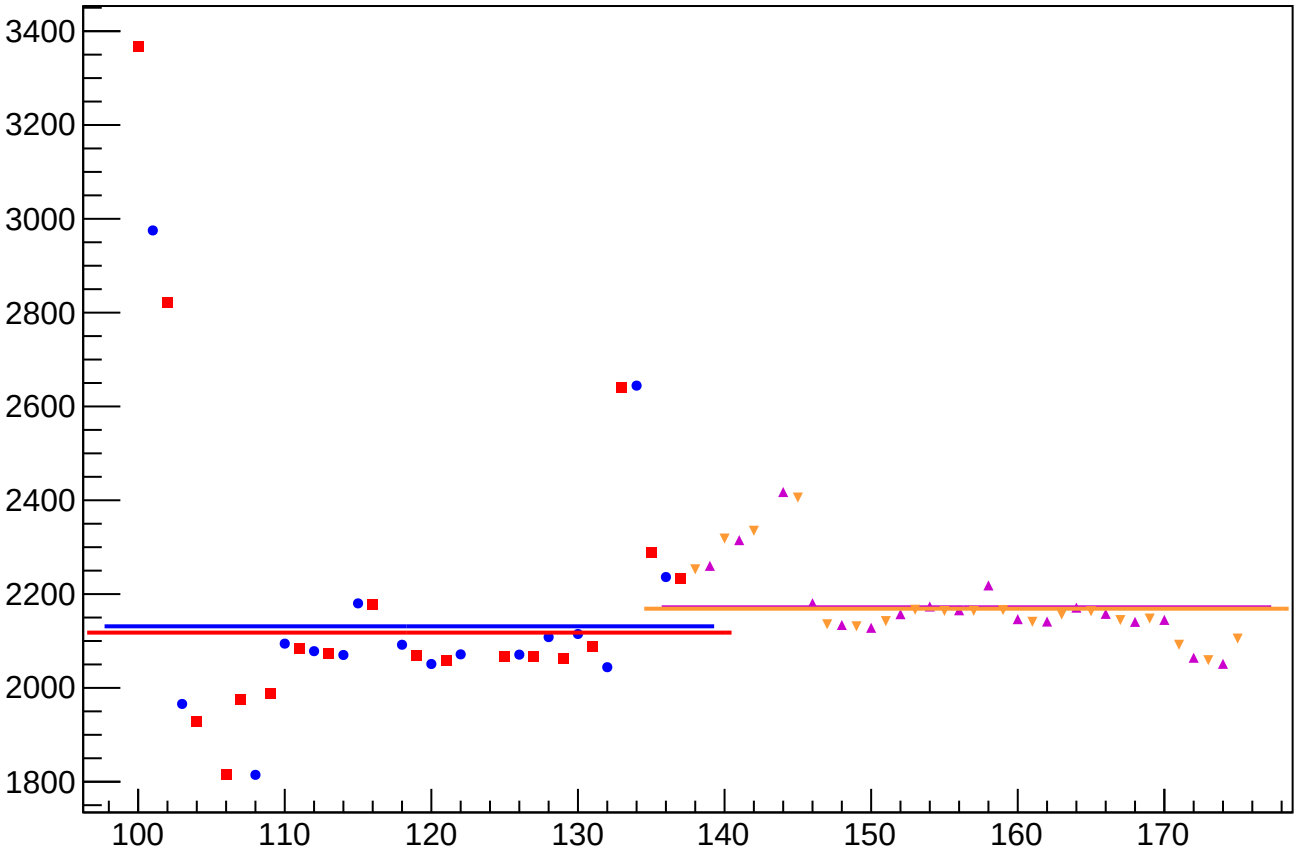
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1524.792+/-0.238 χ^2/NDF:2948004.7/33

Out: 1501.186+/-0.233 χ^2/NDF:3039674.5/36

All: 1512.760+/-0.167 χ^2/NDF: 5992694.1/70


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -587.873+/-559.353 χ²/NDF:26.9/18
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -585.141+/-563.386 χ²/NDF:9.8/17
Left: -586.517+/-396.940 χ²/NDF: 36.7/36
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -931.932+/-460.237 χ²/NDF:22.2/33
Out: -351.160+/-457.638 χ²/NDF:42.0/36
All: -639.902+/-324.514 χ²/NDF: 65.0/70



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.5/18

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2171.846+/-0.398 χ^2/NDF:41629.7/17

Left: 2170.342+/-0.281 χ^2/NDF: 81052.5/36

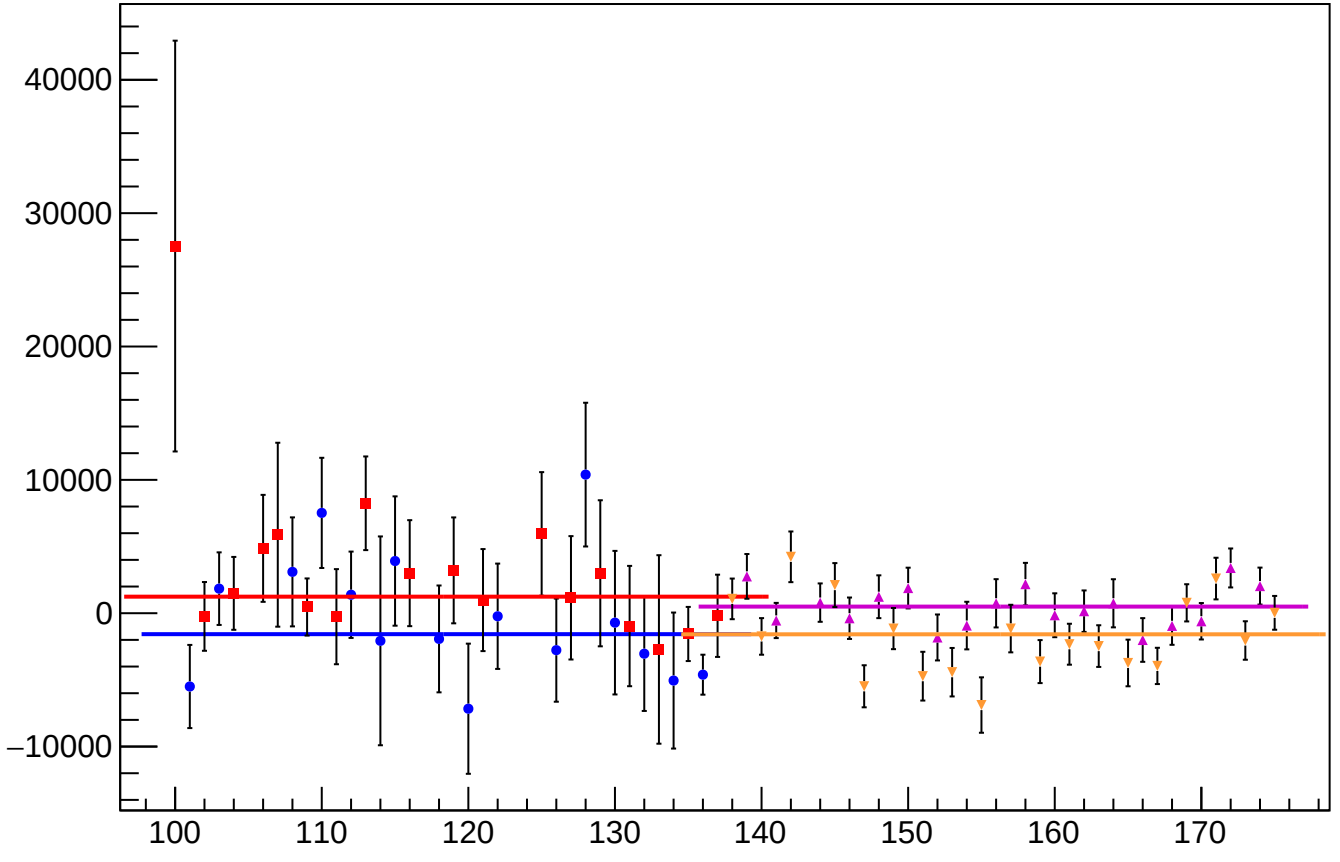
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2158.358+/-0.325 χ^2/NDF:221019.3/33

Out: 2152.000+/-0.324 χ^2/NDF:208512.4/36

All: 2155.161+/-0.229 χ^2/NDF: 429723.6/70

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1581.539+/-360.638 χ^2/NDF:54.0/18

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 495.923+/-365.743 χ^2/NDF:16.8/17

Left: -557.409+/-256.795 χ^2/NDF: 87.2/36

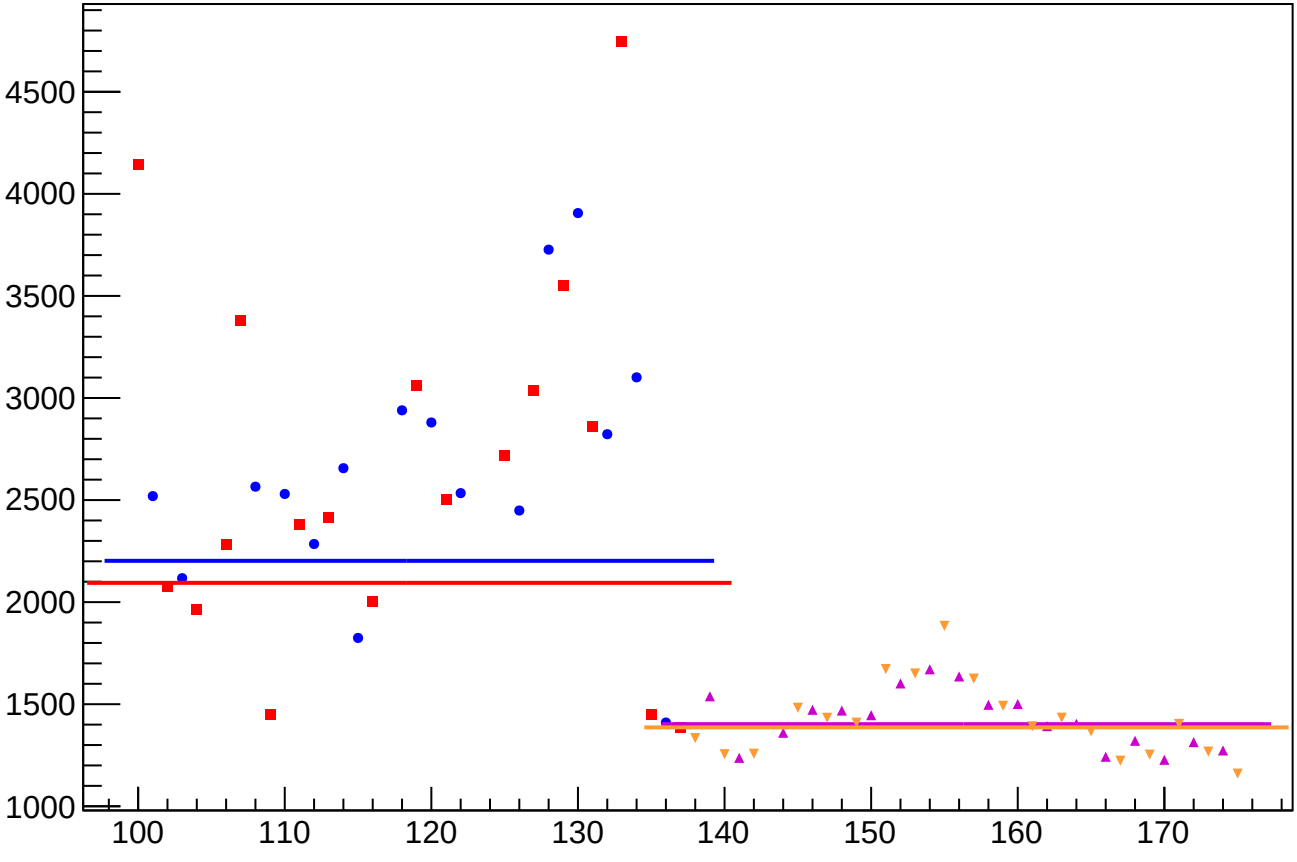
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 179.185+/-336.556 χ^2/NDF:44.3/33

Out: -1123.862+/-330.107 χ^2/NDF:77.0/36

All: -484.943+/-235.668 χ^2/NDF: 129.0/70

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1386.372+/-0.255 χ^2/NDF:415838.2/18

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1402.169+/-0.259 χ^2/NDF:257977.7/17

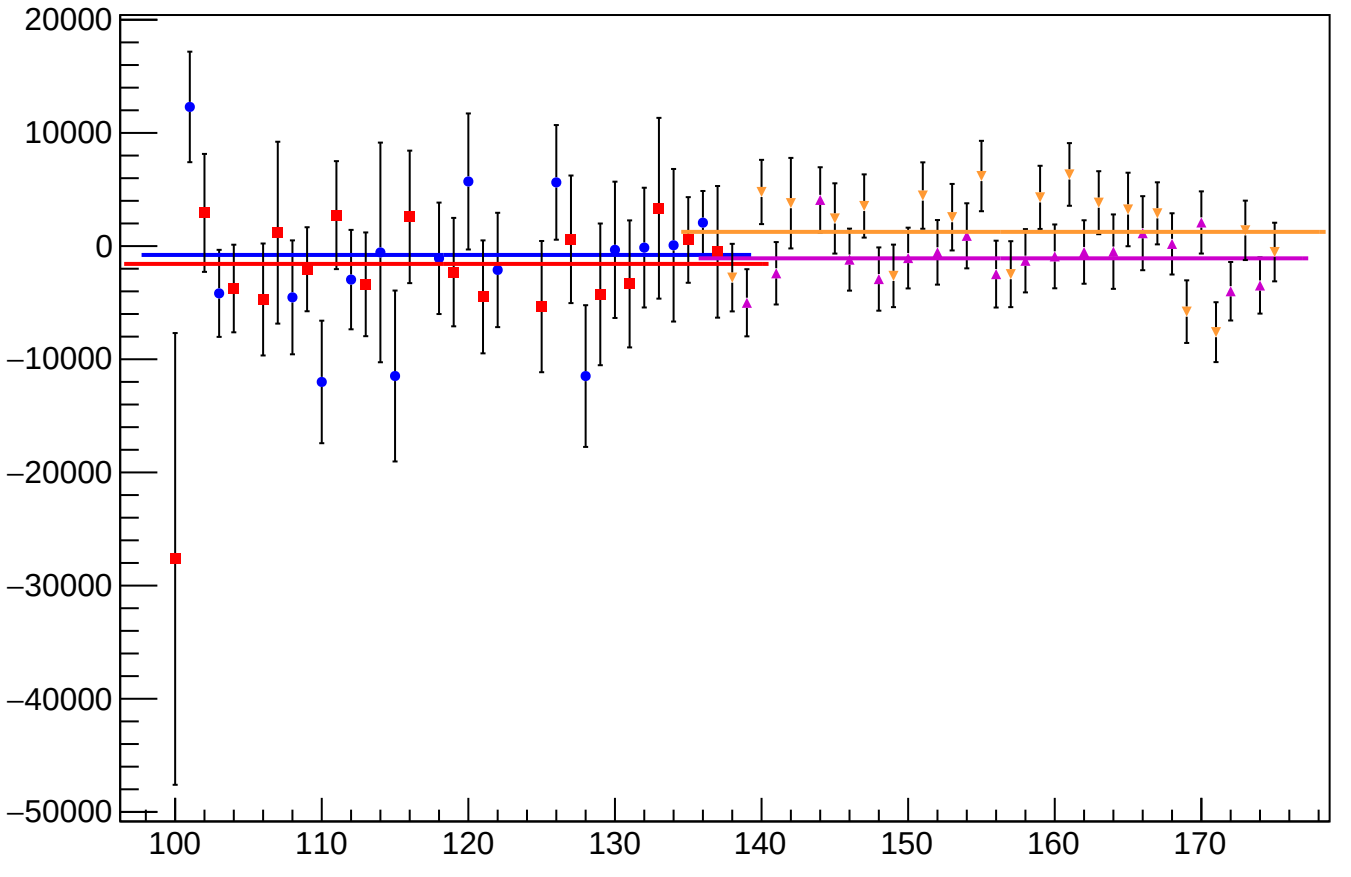
Left: 1394.159+/-0.182 χ^2/NDF: 675707.7/36

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1524.792+/-0.238 χ^2/NDF:2947990.9/33

Out: 1501.187+/-0.233 χ^2/NDF:3039655.7/36

All: 1512.761+/-0.167 χ^2/NDF: 5992660.9/70



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1256.640+/-659.660 χ^2/NDF:36.5/18

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1081.928+/-663.660 χ^2/NDF:10.6/17

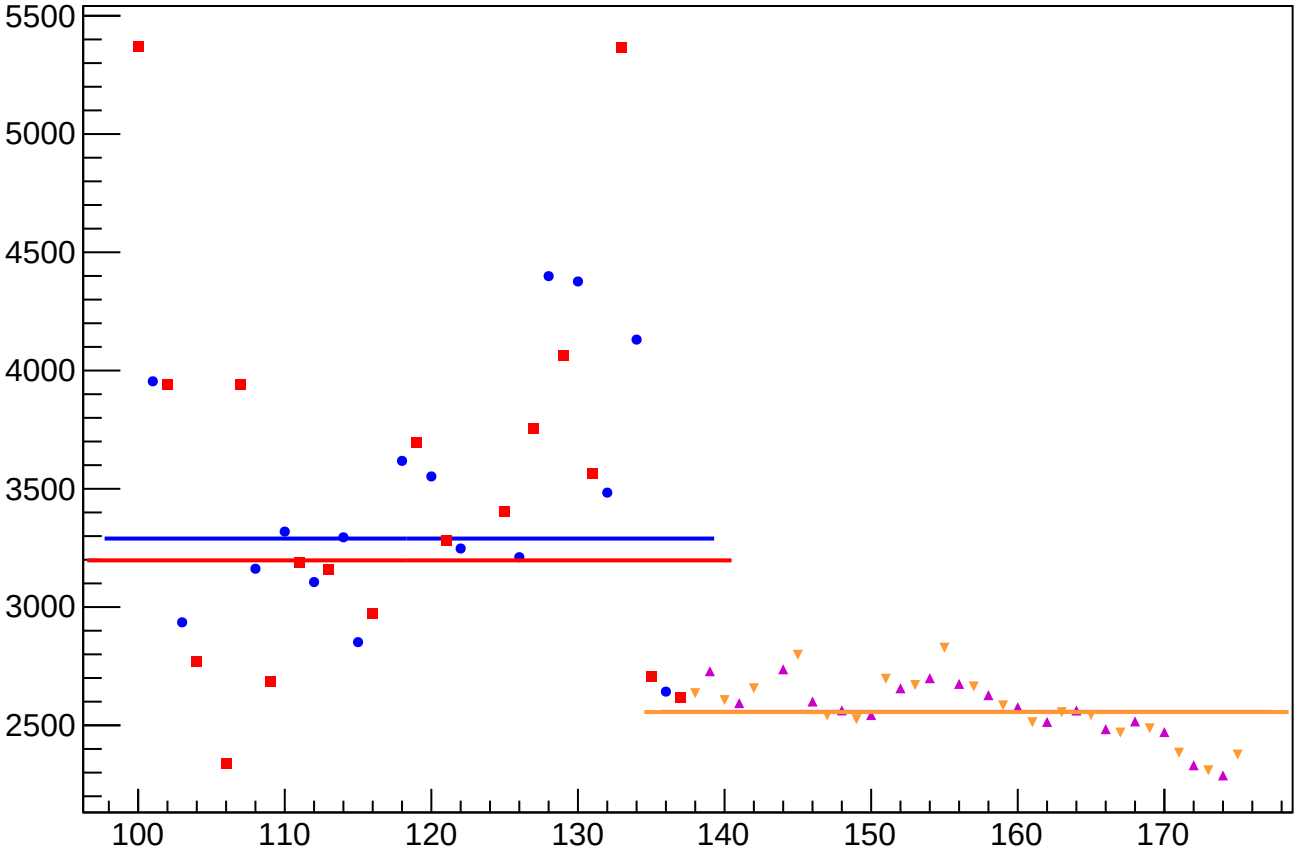
Left: 94.424+/-467.858 χ^2/NDF: 53.3/36

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1015.203+/-585.305 χ^2/NDF:32.6/33

Out: 615.286+/-580.155 χ^2/NDF:47.4/36

All: -192.754+/-412.041 χ^2/NDF: 83.9/70



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2556.007+/-0.466 χ^2/NDF:81107.5/18

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2556.803+/-0.469 χ^2/NDF:69815.9/17

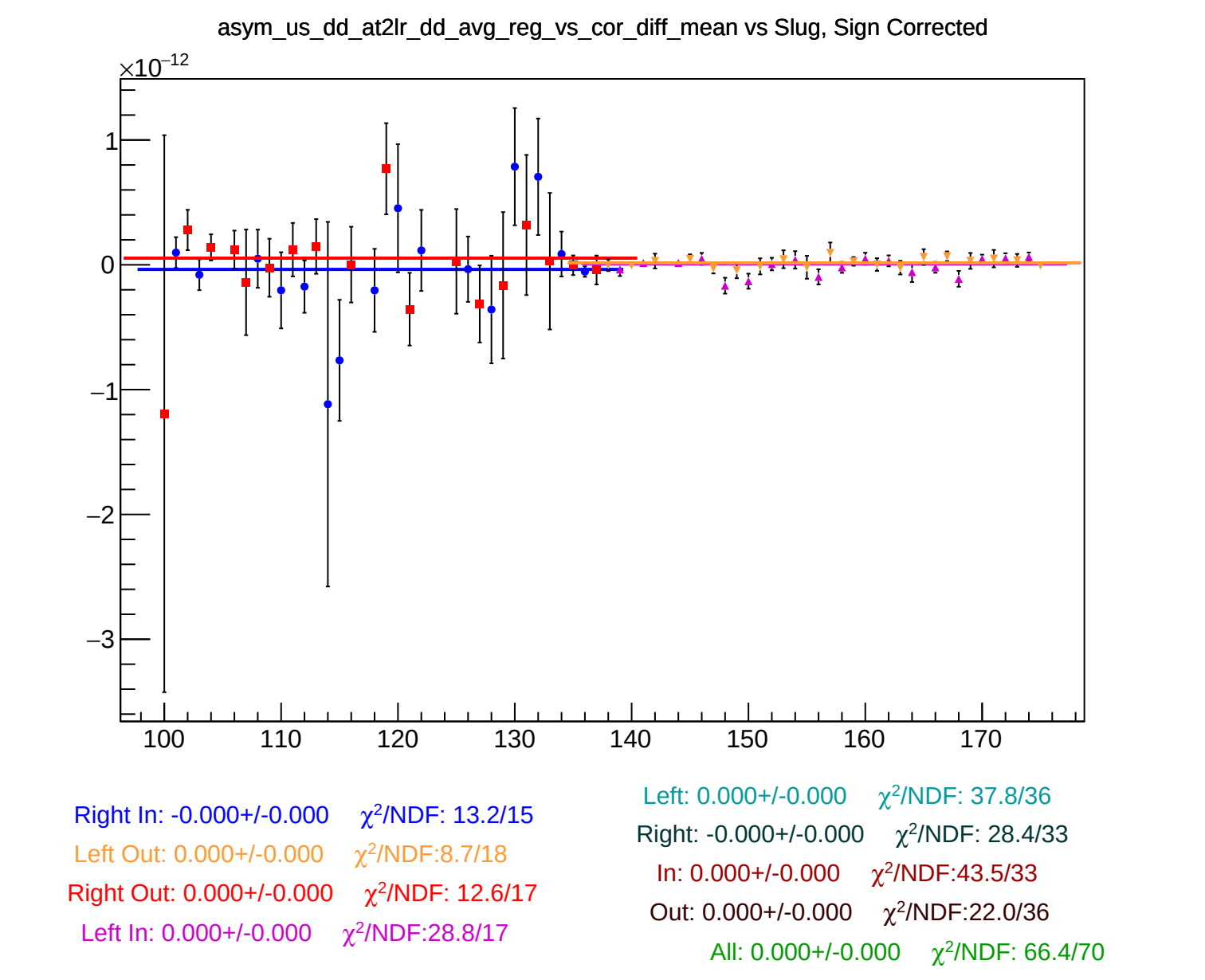
Left: 2556.403+/-0.331 χ^2/NDF: 150924.9/36

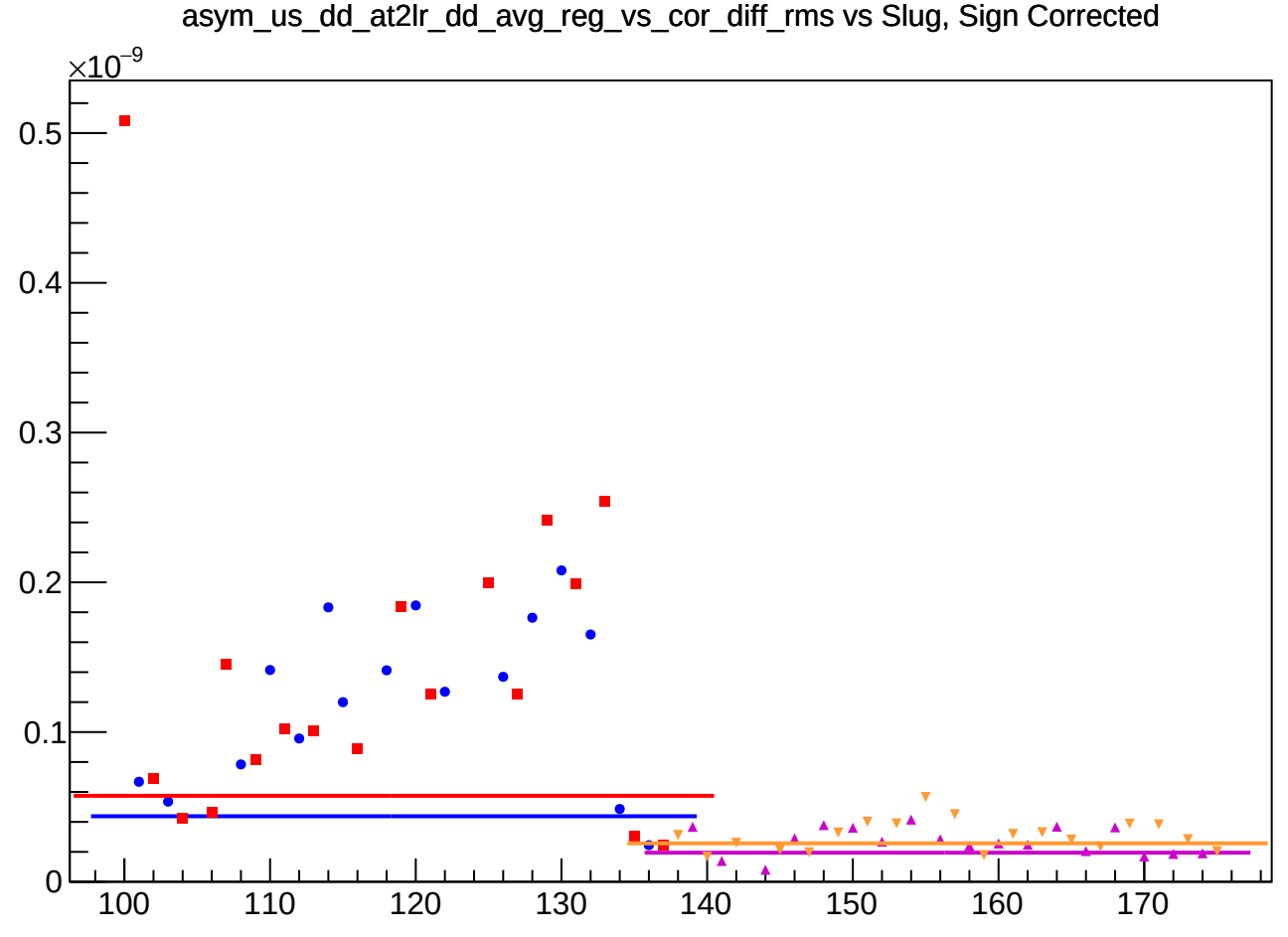
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2719.643+/-0.414 χ^2/NDF:959332.4/33

Out: 2701.294+/-0.410 χ^2/NDF:1009317.2/36

All: 2710.387+/-0.291 χ^2/NDF: 1969641.1/70


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:28.8/17
Left: 0.000+/-0.000 χ²/NDF: 37.8/36
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: 0.000+/-0.000 χ²/NDF:43.5/33
Out: 0.000+/-0.000 χ²/NDF:22.0/36
All: 0.000+/-0.000 χ²/NDF: 66.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1183708.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2109500.5/17

Left: 0.000+/-0.000 χ^2/NDF: 3668453.4/36

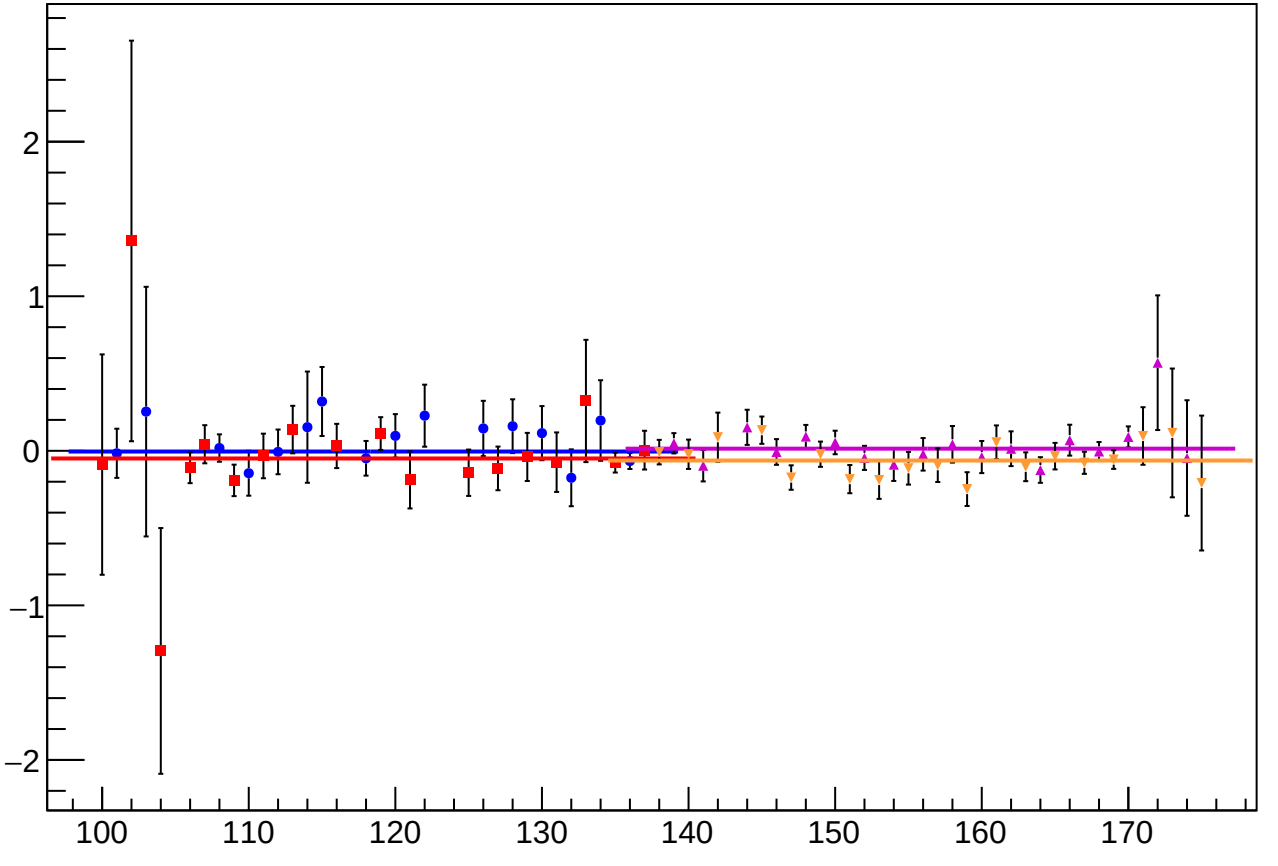
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5269097.3/33

Out: 0.000+/-0.000 χ^2/NDF:4277792.9/36

All: 0.000+/-0.000 χ^2/NDF: 9970249.1/70

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.023+/-0.015 χ^2/NDF: 35.9/36

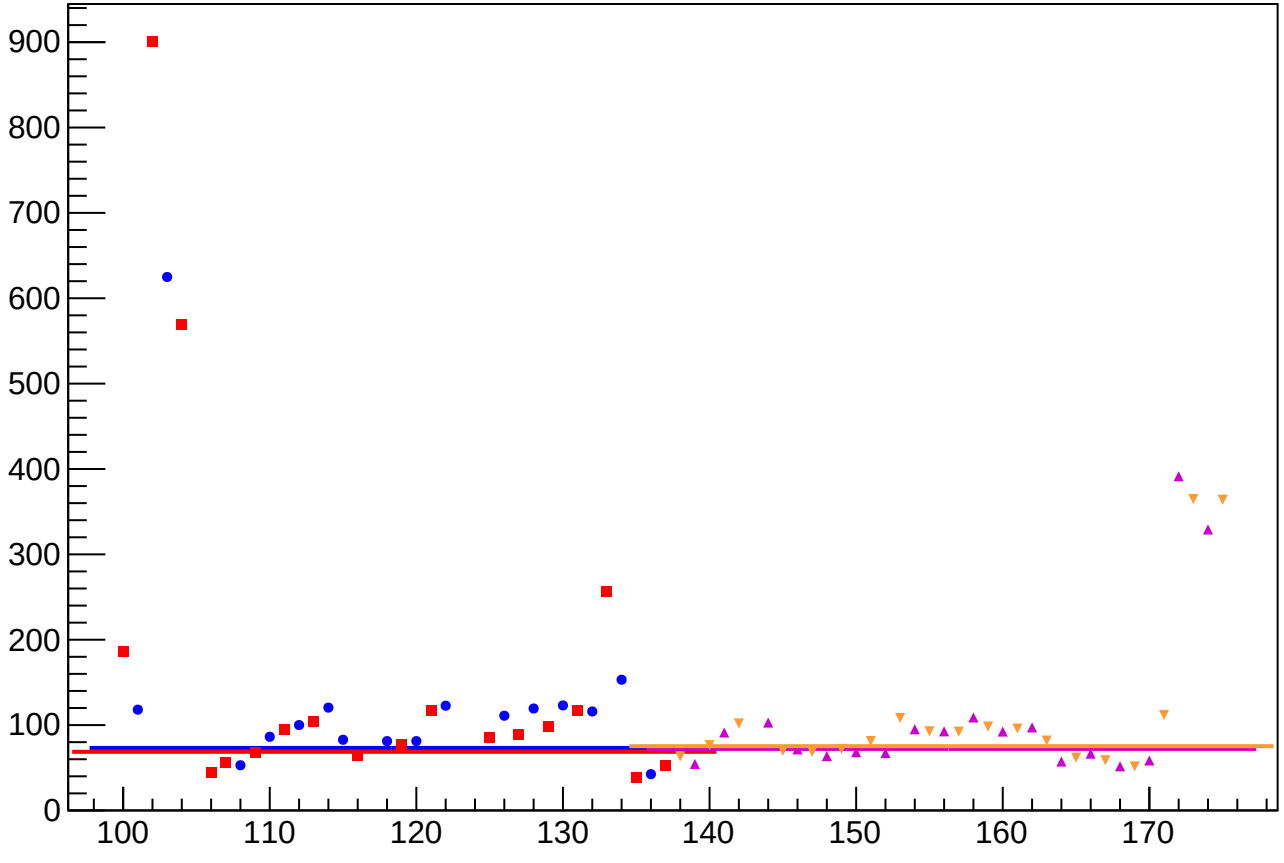
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.4/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/70

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

Left: 73.635+/-0.011 χ^2/NDF: 6295947.0/36

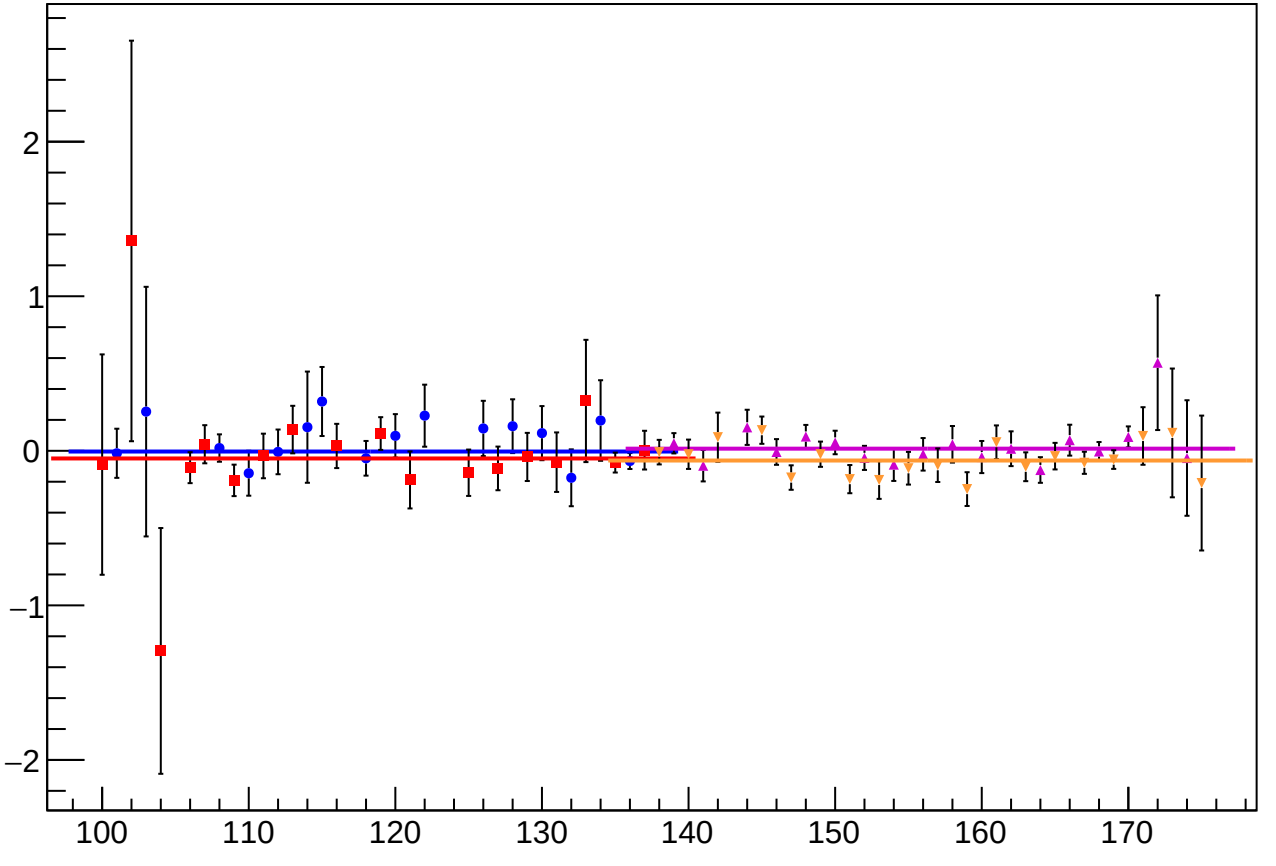
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.446+/-0.013 χ^2/NDF:6192072.9/33

Out: 73.146+/-0.013 χ^2/NDF:6328161.9/36

All: 72.787+/-0.009 χ^2/NDF: 12521762.9/70

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.023+/-0.015 χ^2/NDF: 35.9/36

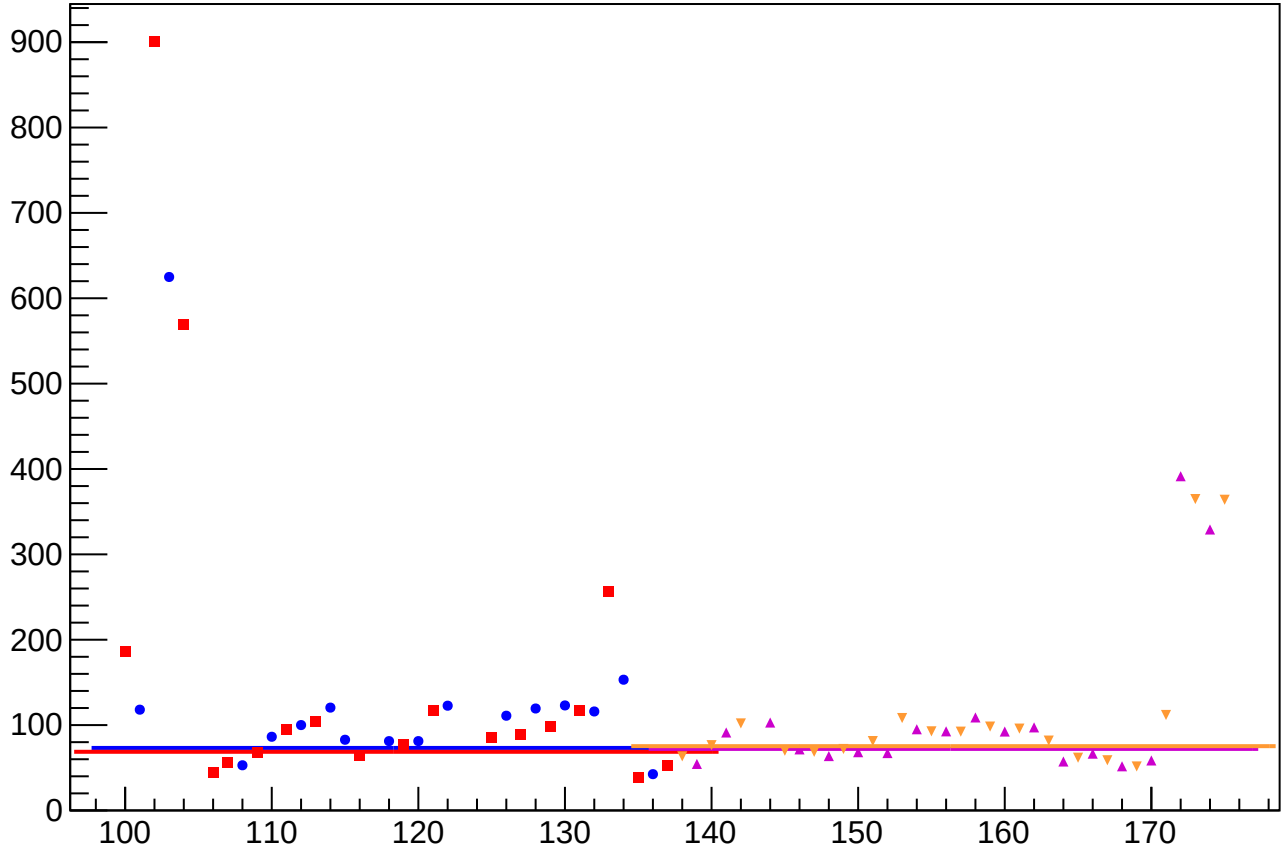
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.4/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/70

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

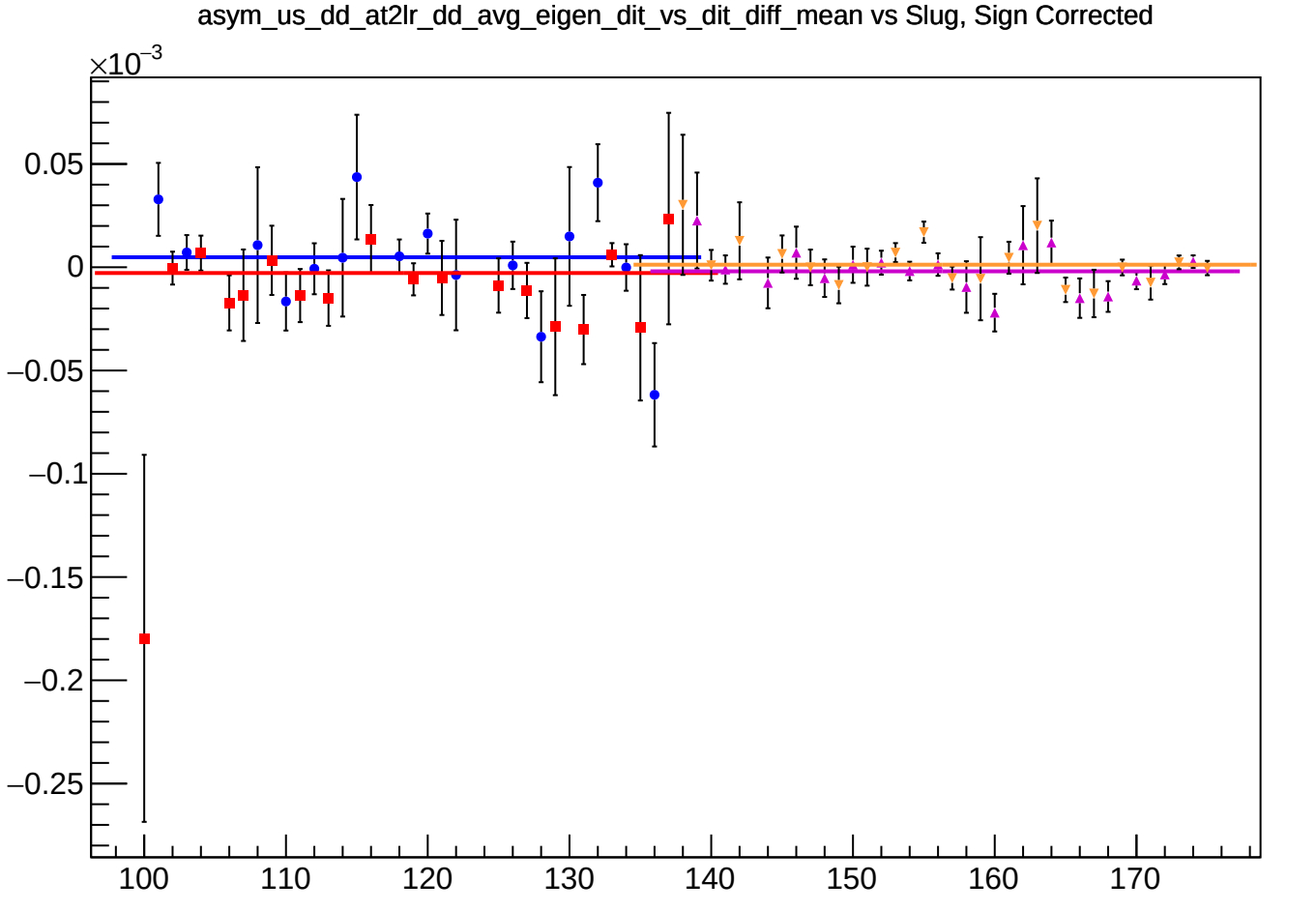
Left: 73.635+/-0.011 χ^2/NDF: 6295947.0/36

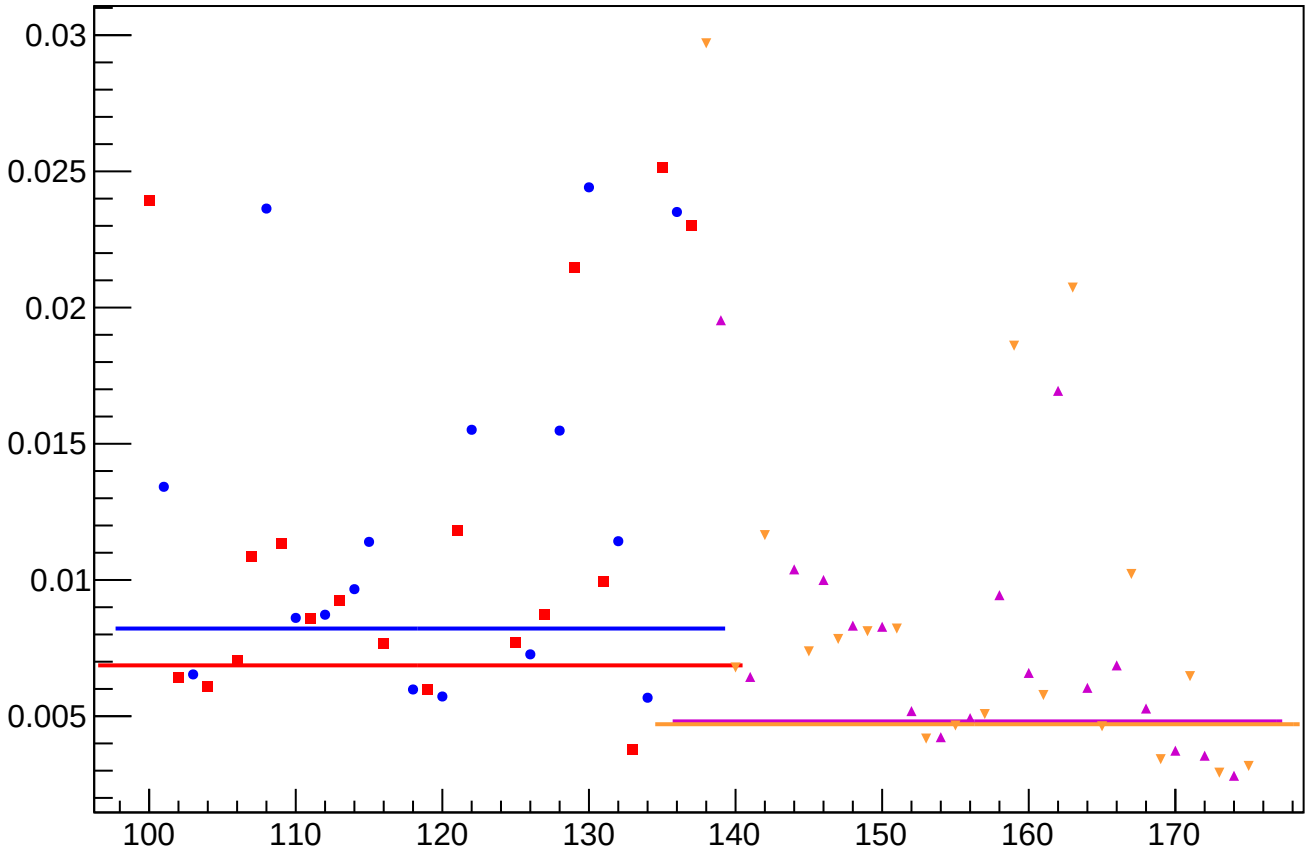
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.446+/-0.013 χ^2/NDF:6192072.9/33

Out: 73.146+/-0.013 χ^2/NDF:6328161.9/36

All: 72.787+/-0.009 χ^2/NDF: 12521762.9/70


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
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: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:23.3/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:18.5/17
Left: -0.000+/-0.000 χ²/NDF: 44.3/36
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:44.3/33
Out: 0.000+/-0.000 χ²/NDF:41.7/36
All: -0.000+/-0.000 χ²/NDF: 86.5/70



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.005+/-0.000 χ^2/NDF:6309240.4/18

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:4754241.8/17

Left: 0.005+/-0.000 χ^2/NDF: 11068579.1/36

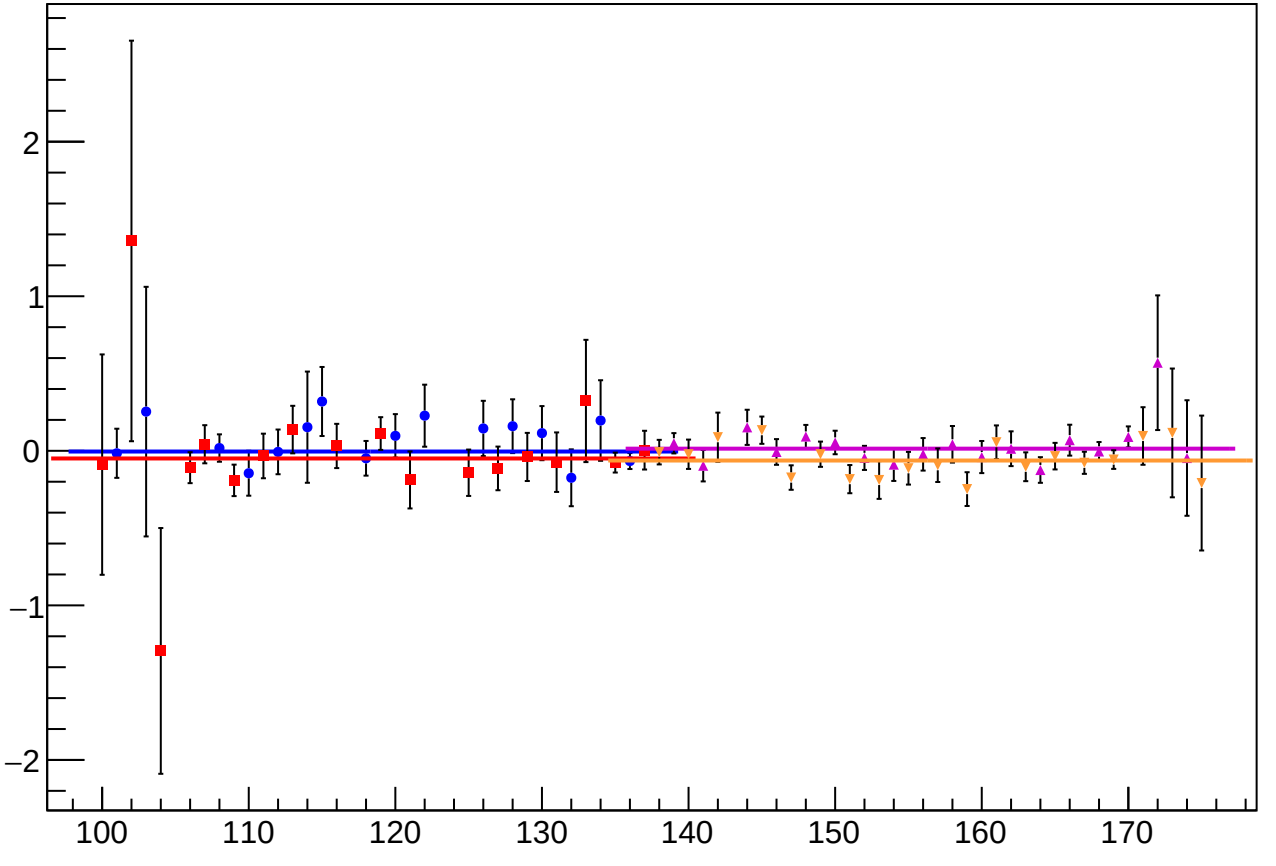
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:9018877.4/33

Out: 0.005+/-0.000 χ^2/NDF:9667085.9/36

All: 0.005+/-0.000 χ^2/NDF: 18710824.2/70

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.023+/-0.015 χ^2/NDF: 35.9/36

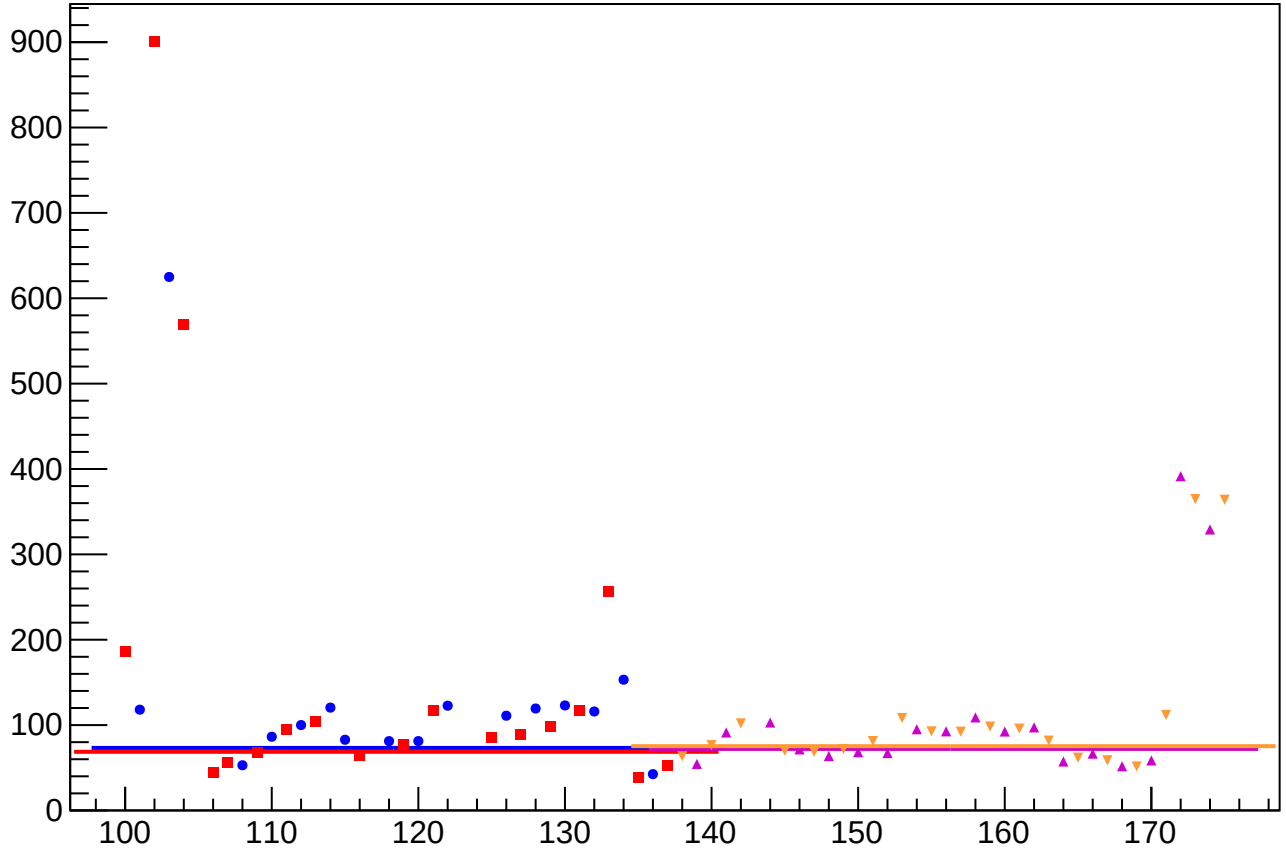
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.3/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/70

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938211.5/18

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

Left: 73.636+/-0.011 χ^2/NDF: 6295582.4/36

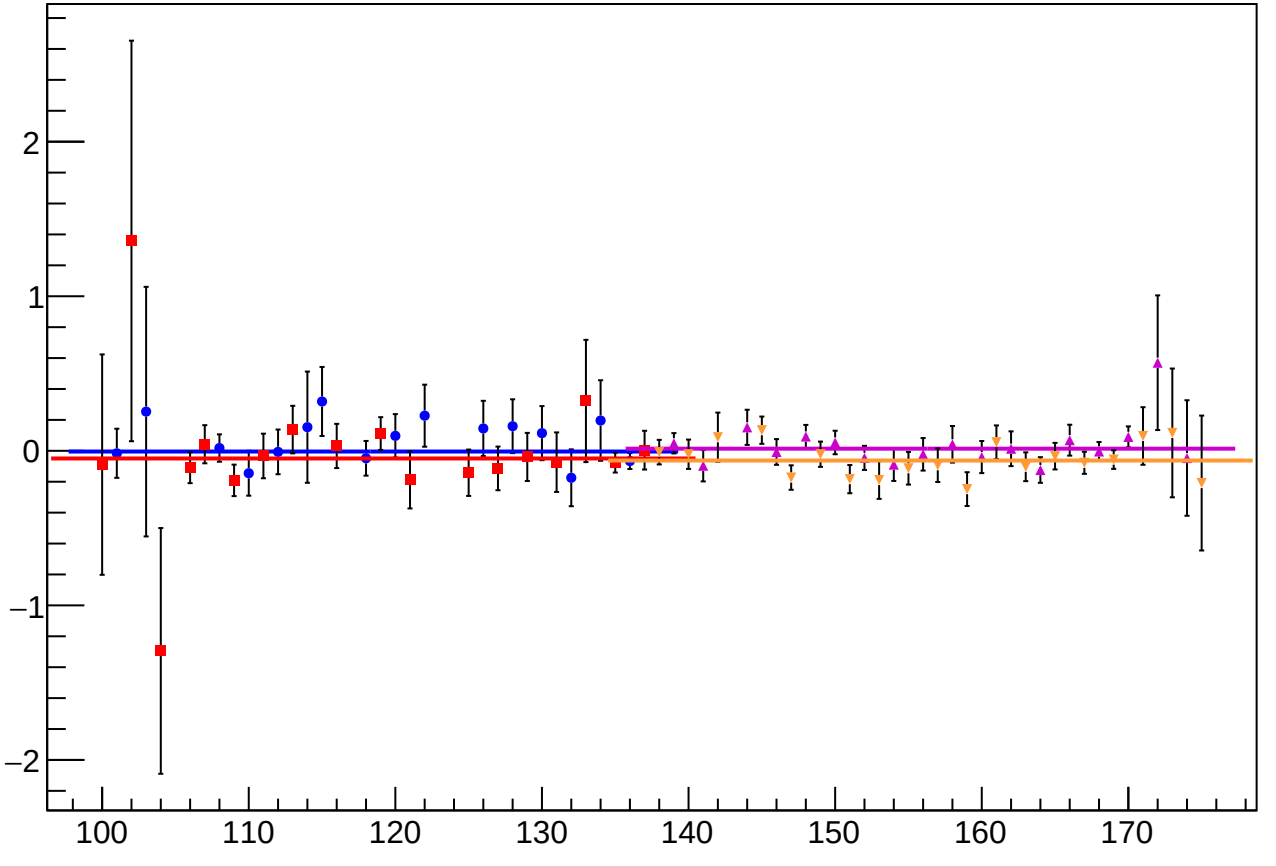
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.454+/-0.013 χ^2/NDF:6189590.6/33

Out: 73.142+/-0.013 χ^2/NDF:6329278.5/36

All: 72.789+/-0.009 χ^2/NDF: 12520343.4/70

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.023+/-0.015 χ^2/NDF: 35.9/36

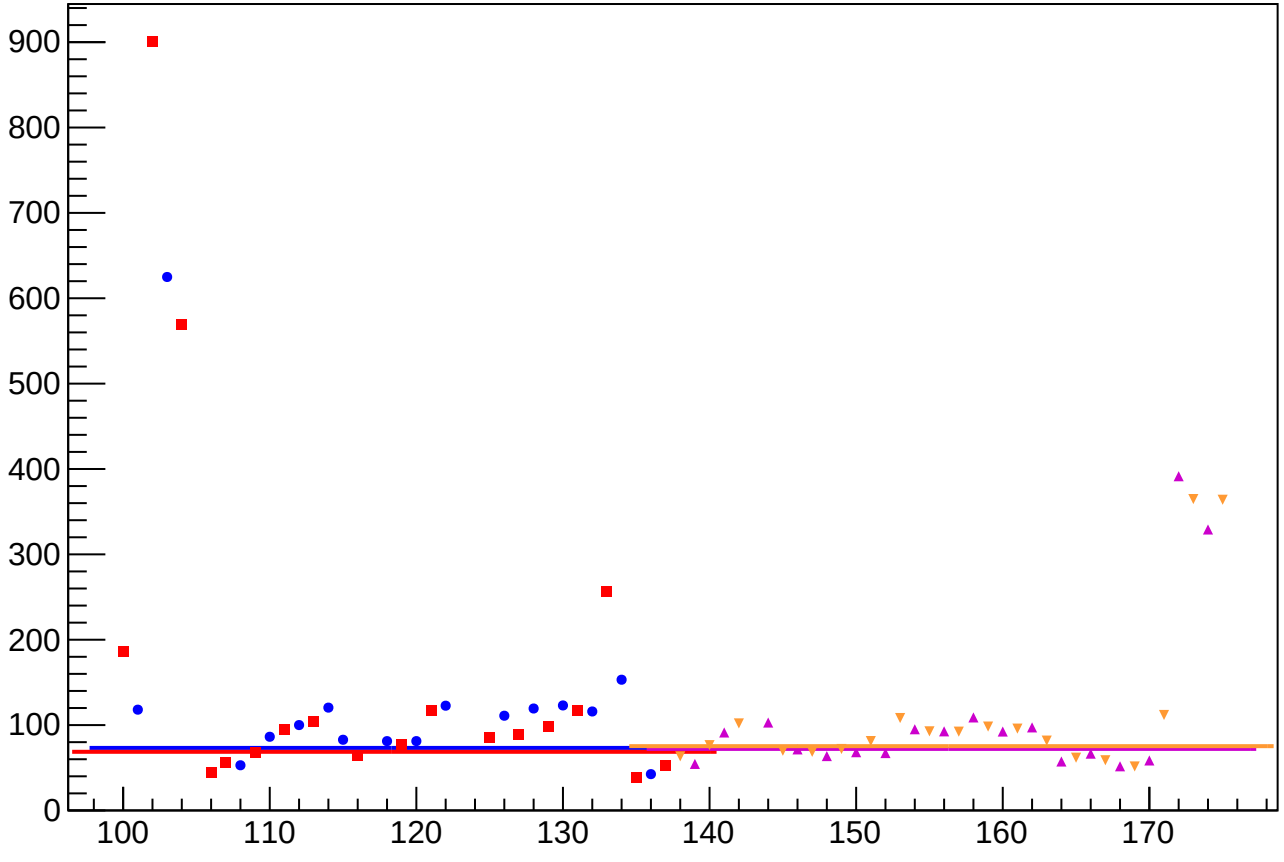
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.3/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/70

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938211.5/18

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

Left: 73.636+/-0.011 χ^2/NDF: 6295582.4/36

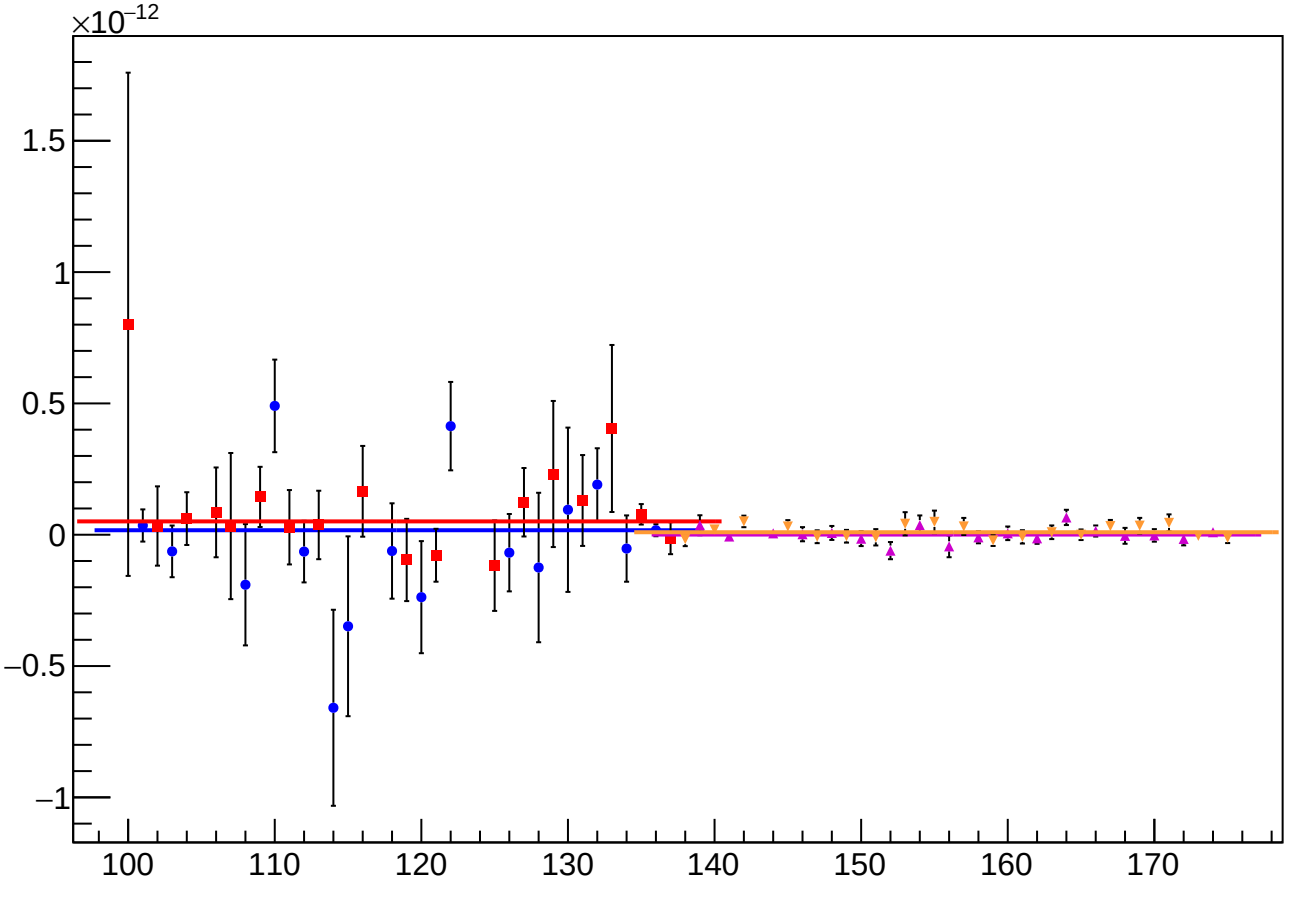
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.454+/-0.013 χ^2/NDF:6189590.6/33

Out: 73.142+/-0.013 χ^2/NDF:6329278.5/36

All: 72.789+/-0.009 χ^2/NDF: 12520343.4/70

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.0/17

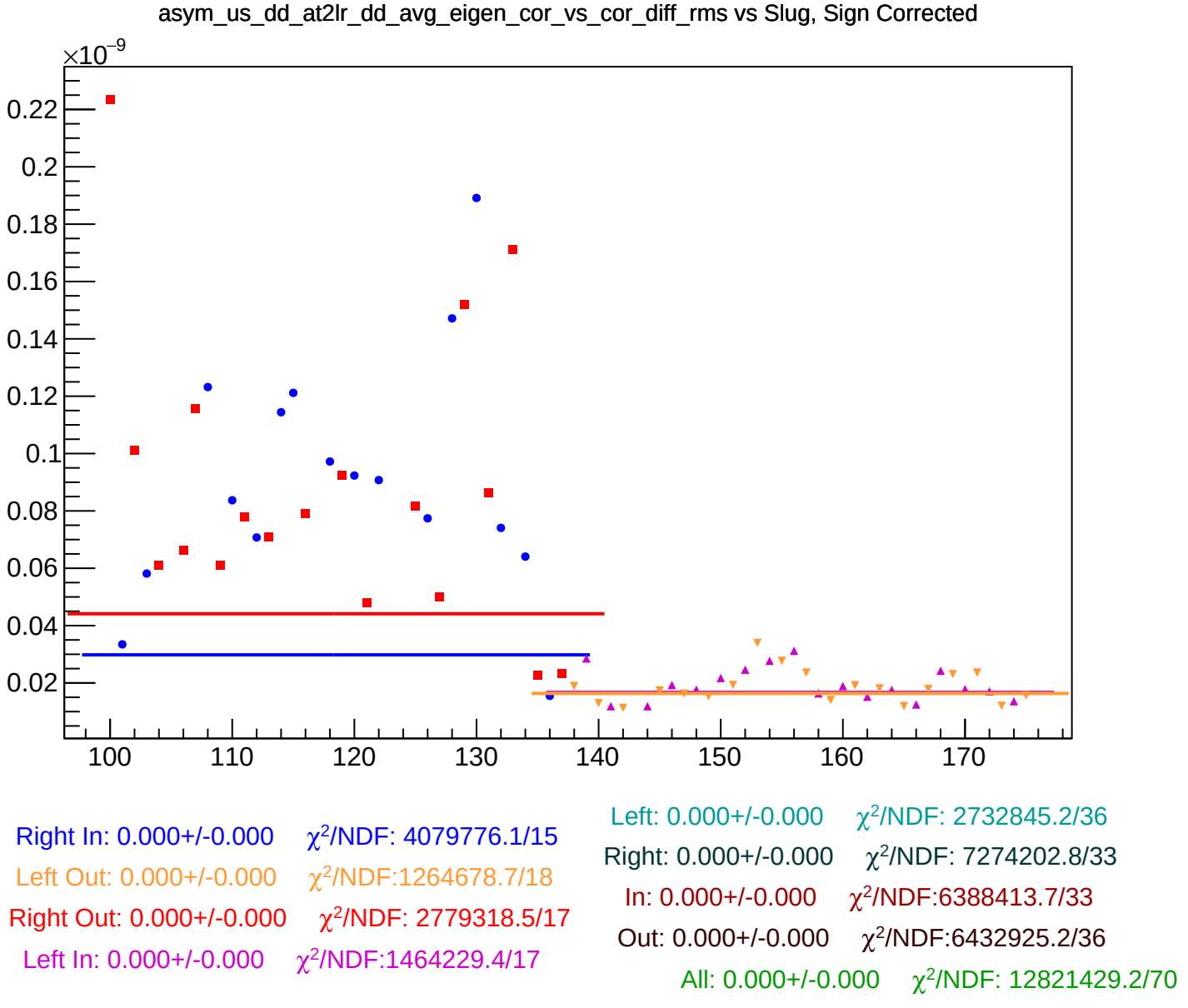
Left: 0.000+/-0.000 χ^2/NDF: 31.4/36

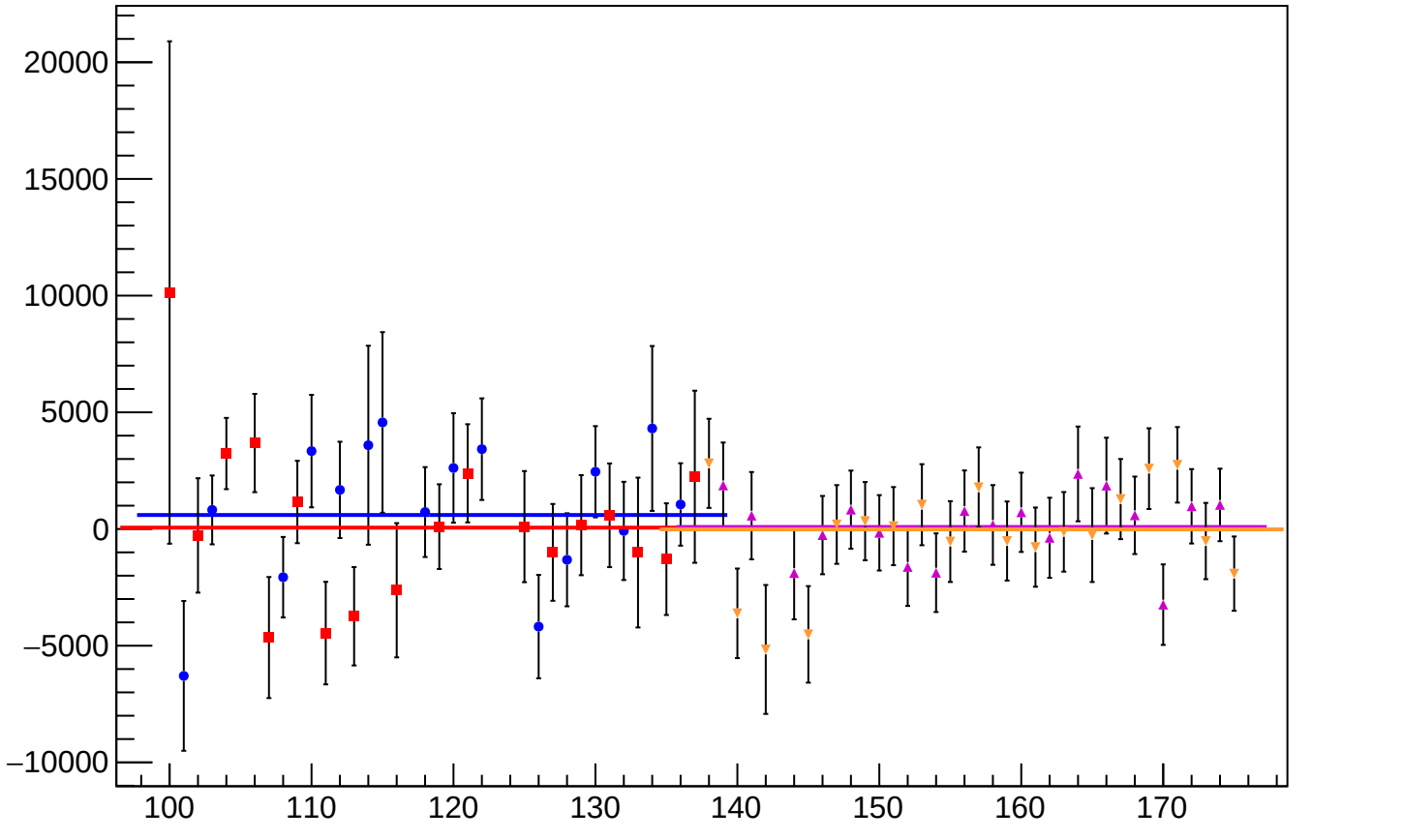
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:38.1/33

Out: 0.000+/-0.000 χ^2/NDF:27.9/36

All: 0.000+/-0.000 χ^2/NDF: 67.5/70


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1264678.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1464229.4/17
Left: 0.000+/-0.000 χ²/NDF: 2732845.2/36
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6388413.7/33
Out: 0.000+/-0.000 χ²/NDF:6432925.2/36
All: 0.000+/-0.000 χ²/NDF: 12821429.2/70



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.124+/-405.107 χ^2/NDF:23.1/18

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 86.958+/-408.681 χ^2/NDF:11.5/17

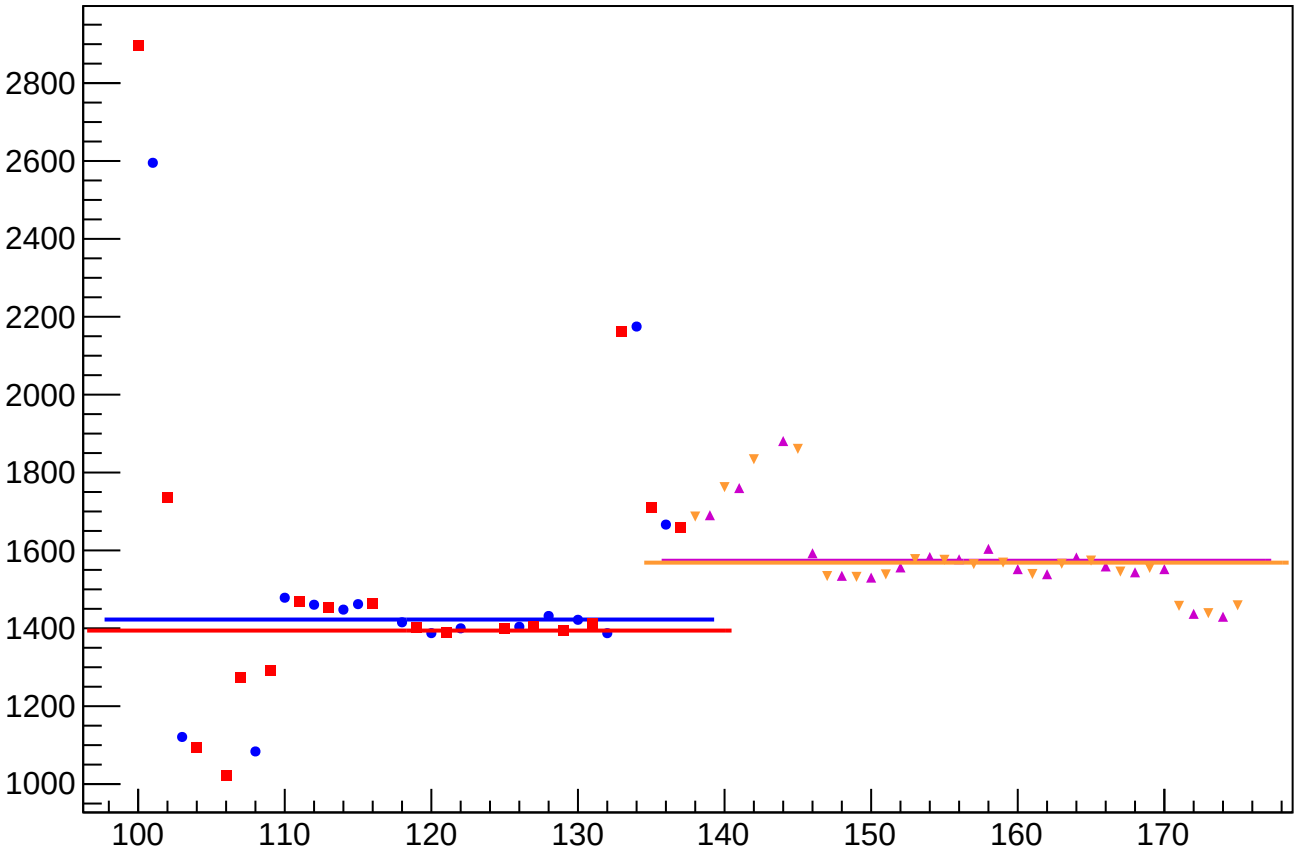
Left: 35.973+/-287.709 χ^2/NDF: 34.7/36

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 273.827+/-325.887 χ^2/NDF:32.4/33

Out: 12.863+/-321.901 χ^2/NDF:45.7/36

All: 141.739+/-229.015 χ^2/NDF: 78.4/70



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

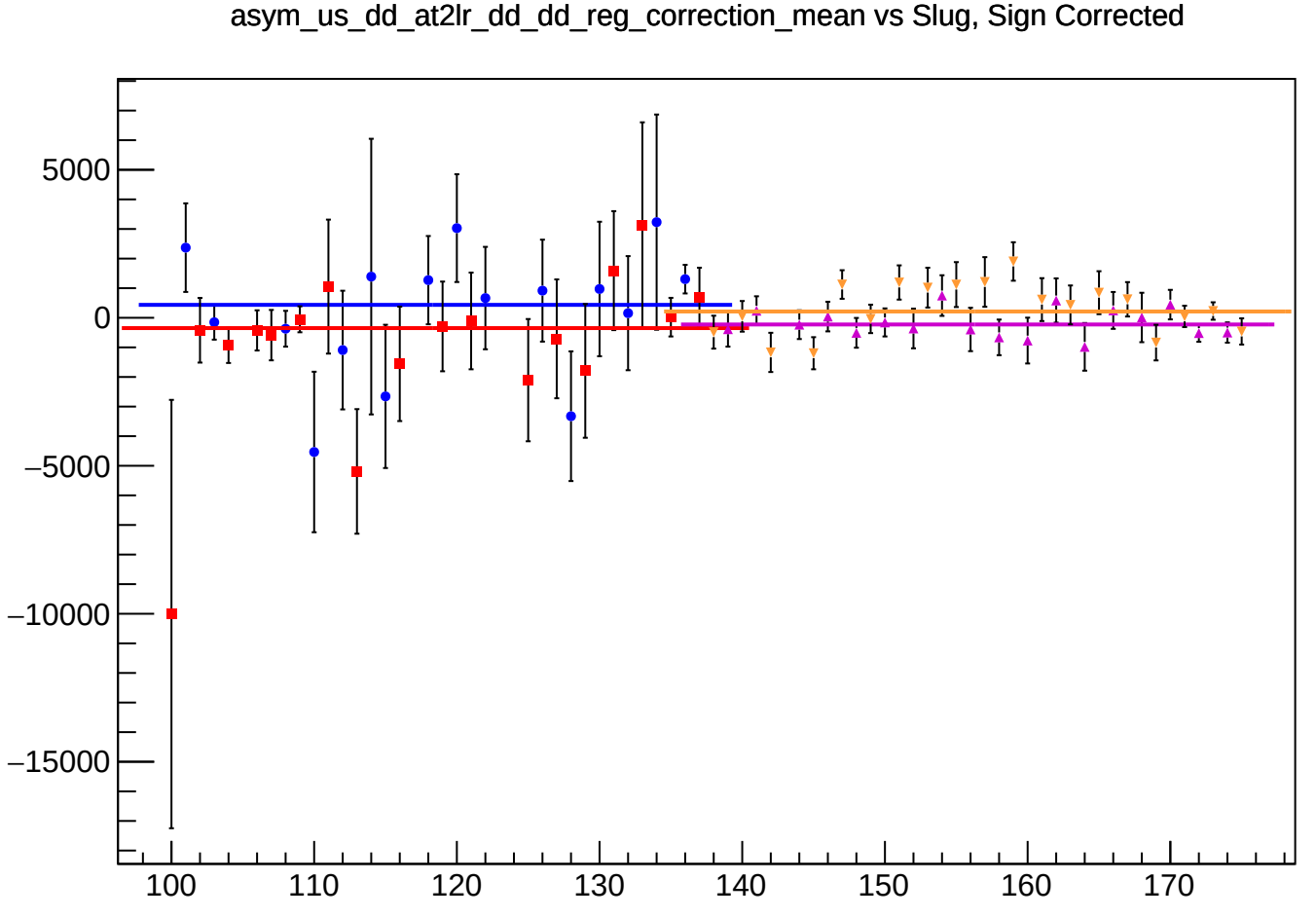
Left: 1571.018+/-0.203 χ^2/NDF: 235499.9/36

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

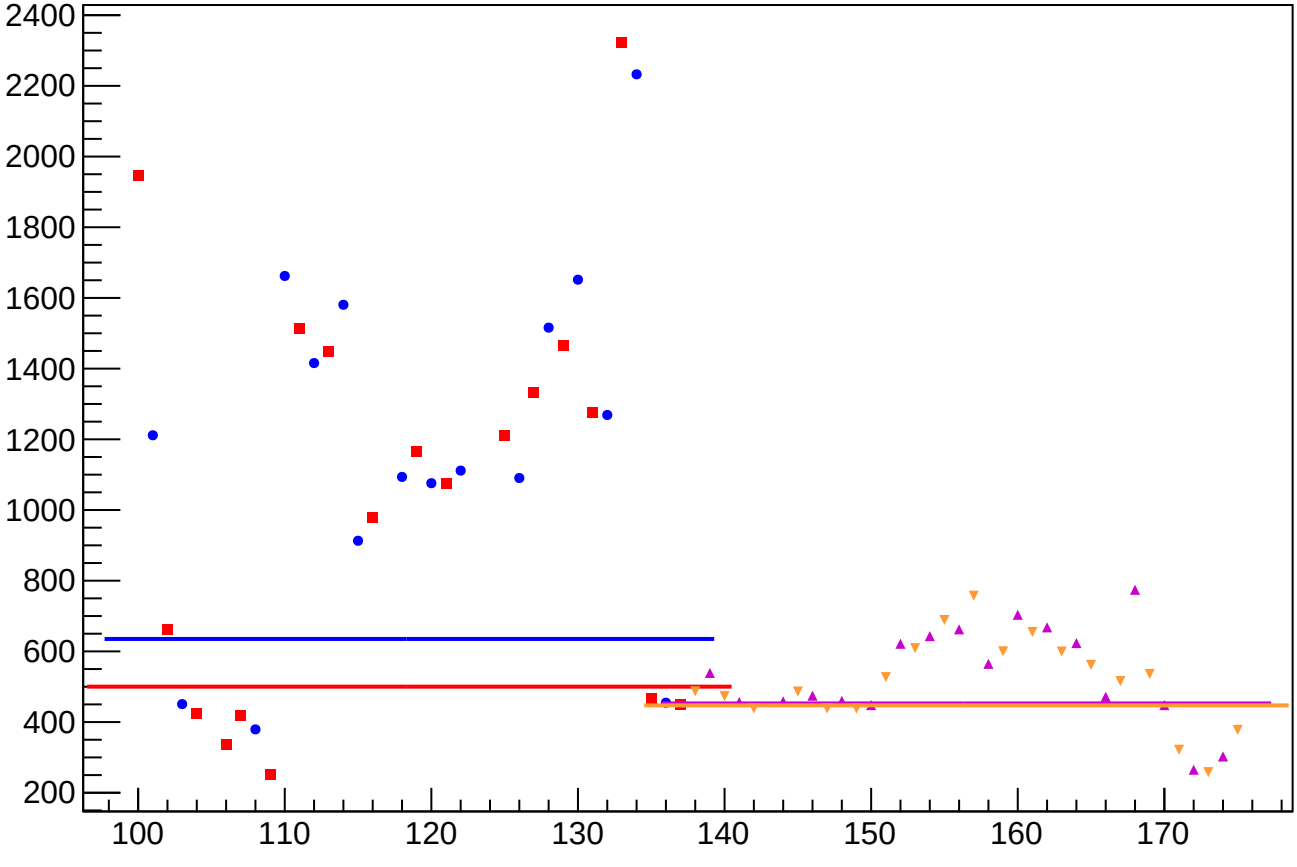
In: 1518.501+/-0.230 χ^2/NDF:773373.8/33

Out: 1504.312+/-0.228 χ^2/NDF:651960.1/36

All: 1511.319+/-0.162 χ^2/NDF: 1427252.8/70


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 212.687+/-121.139 χ²/NDF:37.8/18
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -226.367+/-123.385 χ²/NDF:10.9/17
Left: -2.806+/-86.441 χ²/NDF: 55.1/36
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: -115.900+/-112.636 χ²/NDF:35.0/33
Out: 93.858+/-107.553 χ²/NDF:56.3/36
All: -6.181+/-77.787 χ²/NDF: 93.1/70

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276399.2/18

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 452.798+/-0.087 χ^2/NDF:2516069.0/17

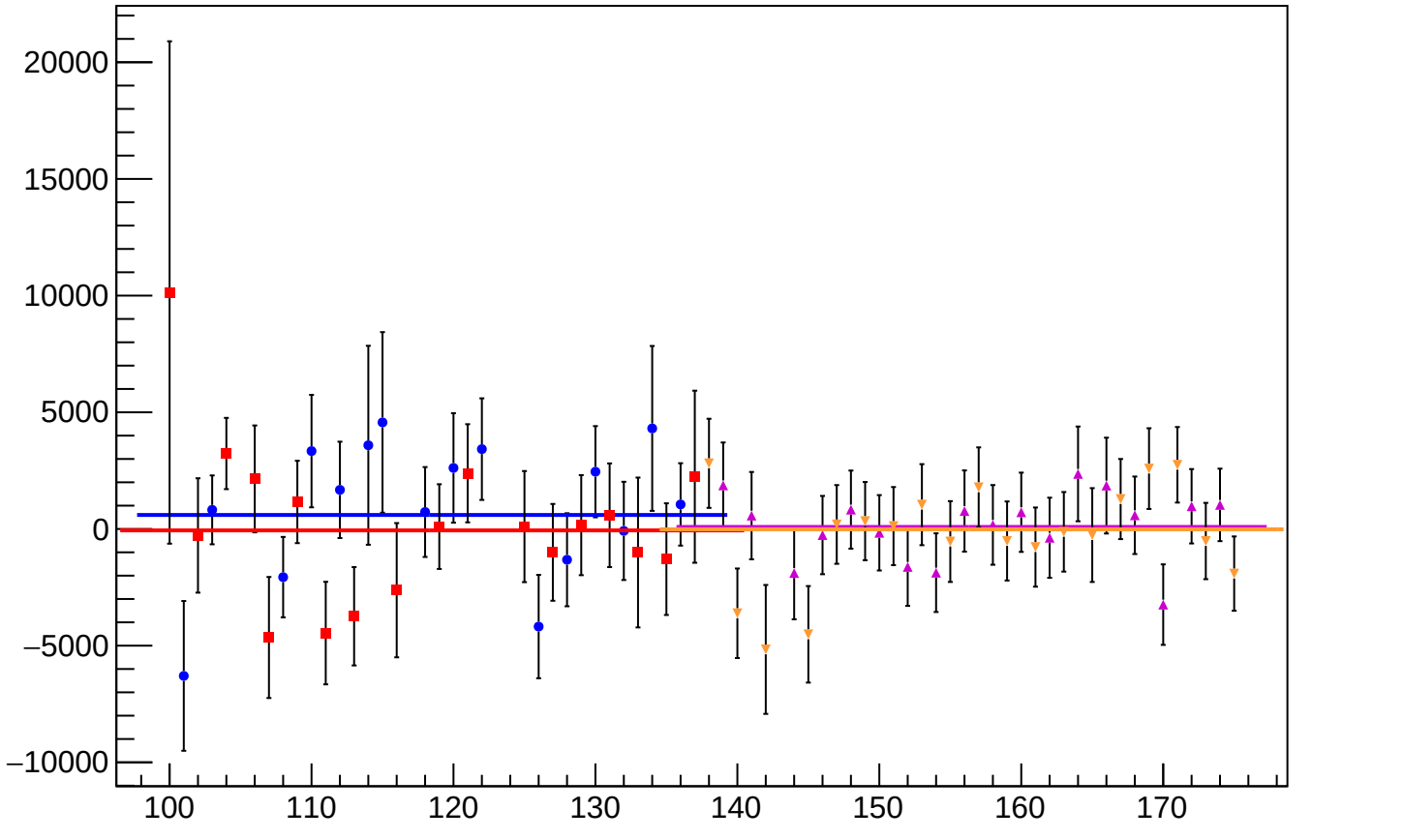
Left: 449.932+/-0.061 χ^2/NDF: 4794586.4/36

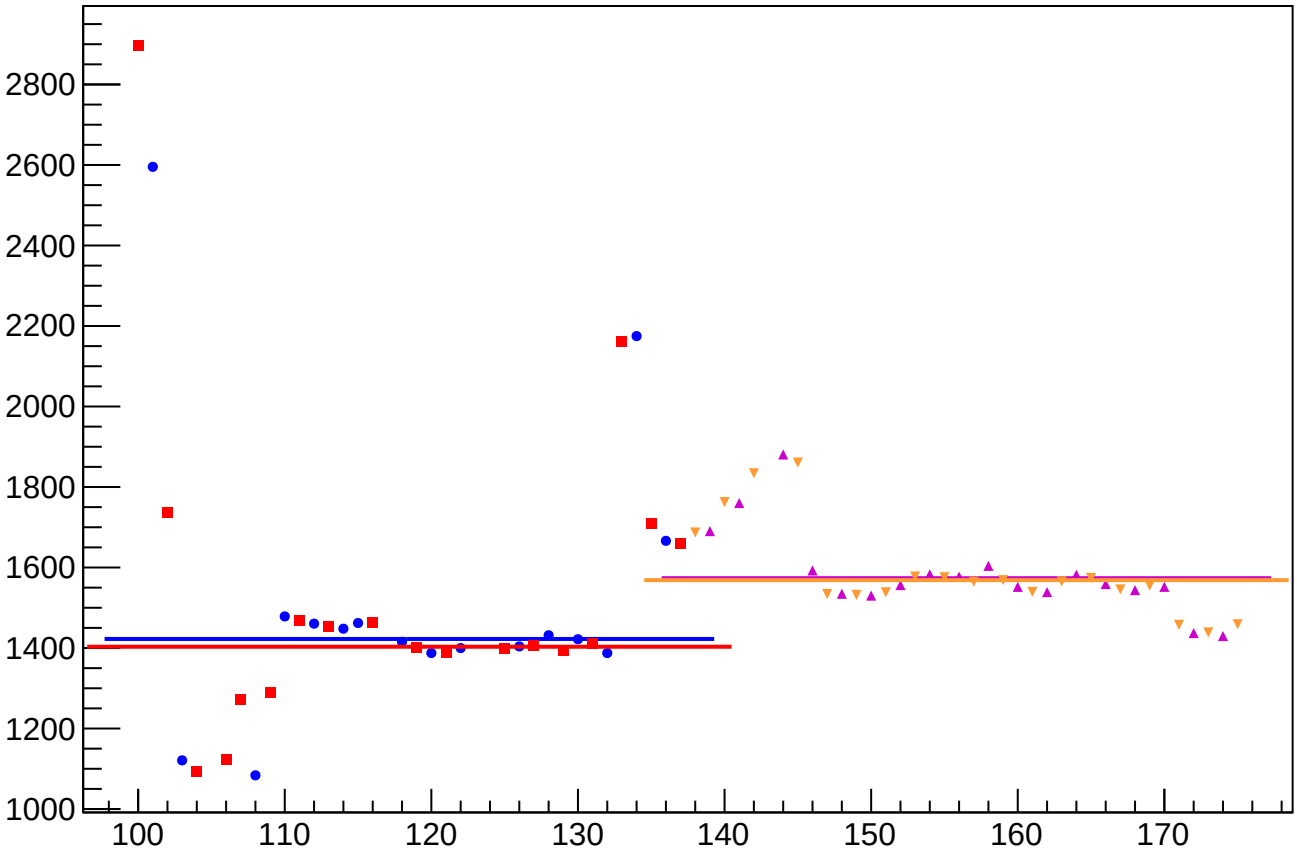
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 483.184+/-0.080 χ^2/NDF:6996522.6/33

Out: 458.405+/-0.076 χ^2/NDF:6666733.7/36

All: 470.222+/-0.055 χ^2/NDF: 13713886.6/70


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -14.195+/-405.107 χ²/NDF:23.1/18
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 86.911+/-408.681 χ²/NDF:11.5/17
Left: 35.914+/-287.709 χ²/NDF: 34.7/36
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 273.751+/-325.887 χ²/NDF:32.4/33
Out: -31.106+/-322.484 χ²/NDF:43.5/36
All: 119.723+/-229.224 χ²/NDF: 76.3/70



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

Left: 1571.018+/-0.203 χ^2/NDF: 235499.9/36

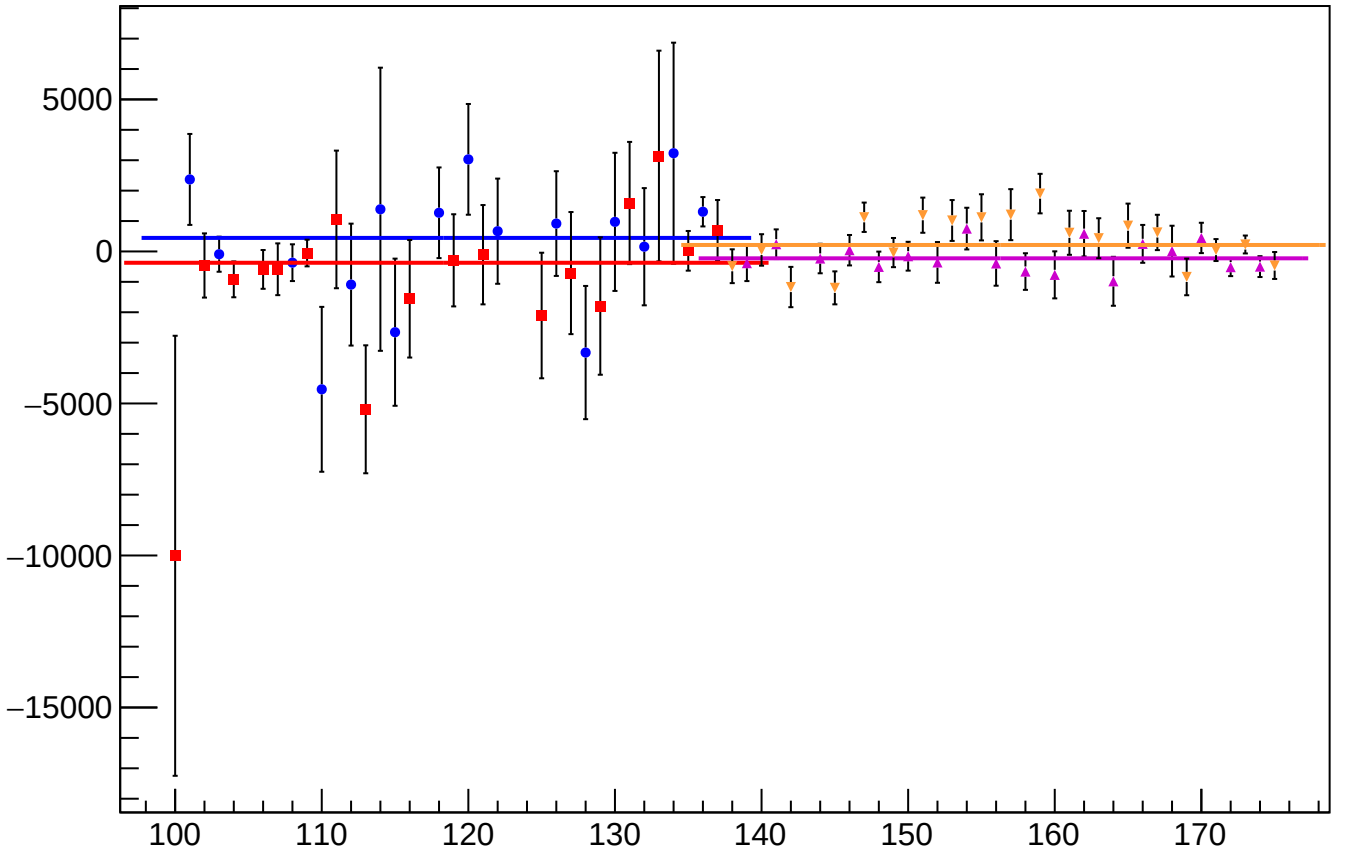
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1518.501+/-0.230 χ^2/NDF:773374.2/33

Out: 1508.027+/-0.228 χ^2/NDF:602829.9/36

All: 1513.209+/-0.162 χ^2/NDF: 1377247.9/70

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 212.698+/-121.139 χ^2/NDF:37.8/18

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -226.518+/-123.386 χ^2/NDF:10.9/17

Left: -2.874+/-86.442 χ^2/NDF: 55.1/36

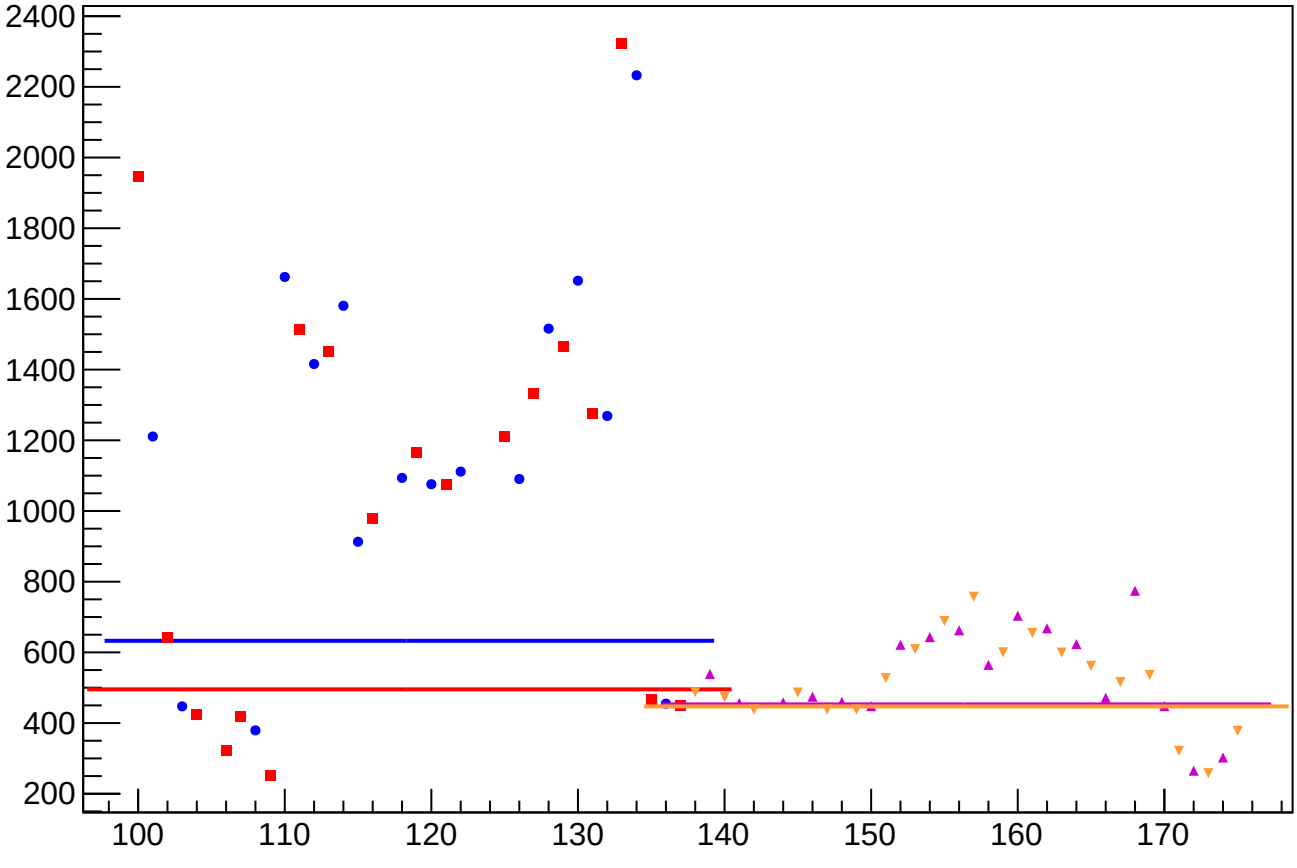
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -113.788+/-112.556 χ^2/NDF:35.0/33

Out: 86.770+/-107.318 χ^2/NDF:56.8/36

All: -8.733+/-77.671 χ^2/NDF: 93.5/70

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276637.5/18

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

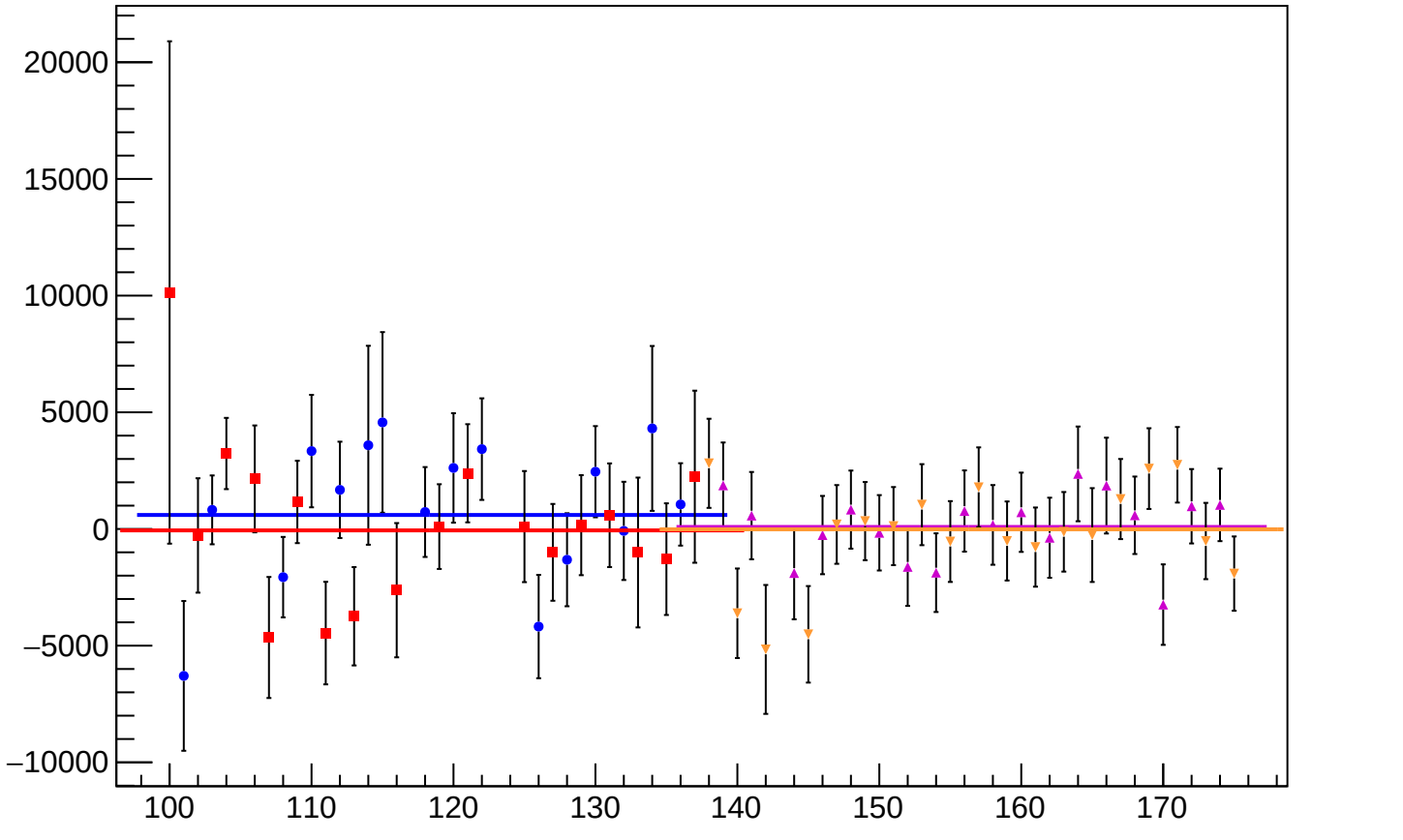
Left: 449.935+/-0.061 χ^2/NDF: 4794529.0/36

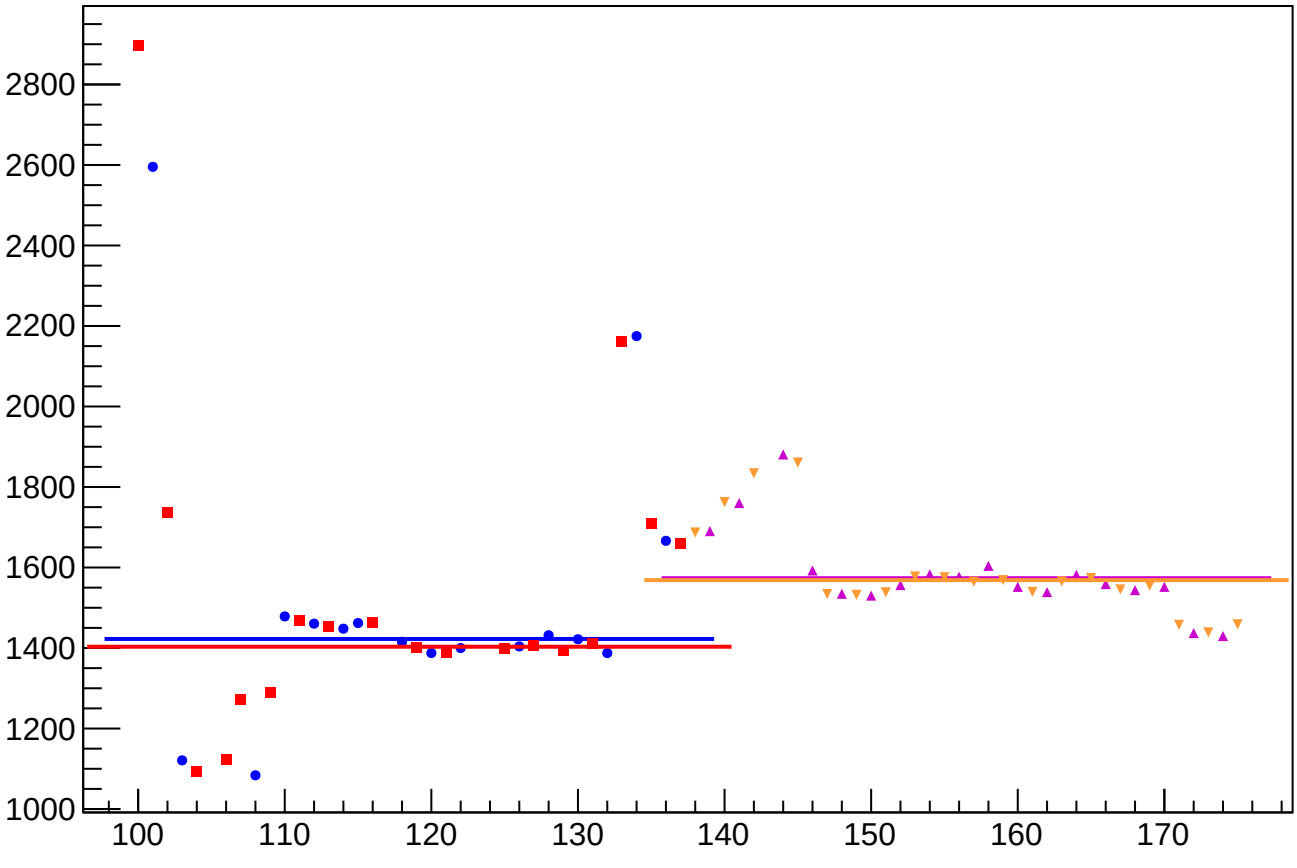
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 483.007+/-0.080 χ^2/NDF:6997497.6/33

Out: 457.543+/-0.076 χ^2/NDF:6682282.6/36

All: 469.669+/-0.055 χ^2/NDF: 13733399.6/70


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -14.195+/-405.107 χ²/NDF:23.1/18
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 86.911+/-408.681 χ²/NDF:11.5/17
Left: 35.914+/-287.709 χ²/NDF: 34.7/36
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 273.751+/-325.887 χ²/NDF:32.4/33
Out: -31.106+/-322.484 χ²/NDF:43.5/36
All: 119.723+/-229.224 χ²/NDF: 76.3/70



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

Left: 1571.018+/-0.203 χ^2/NDF: 235499.9/36

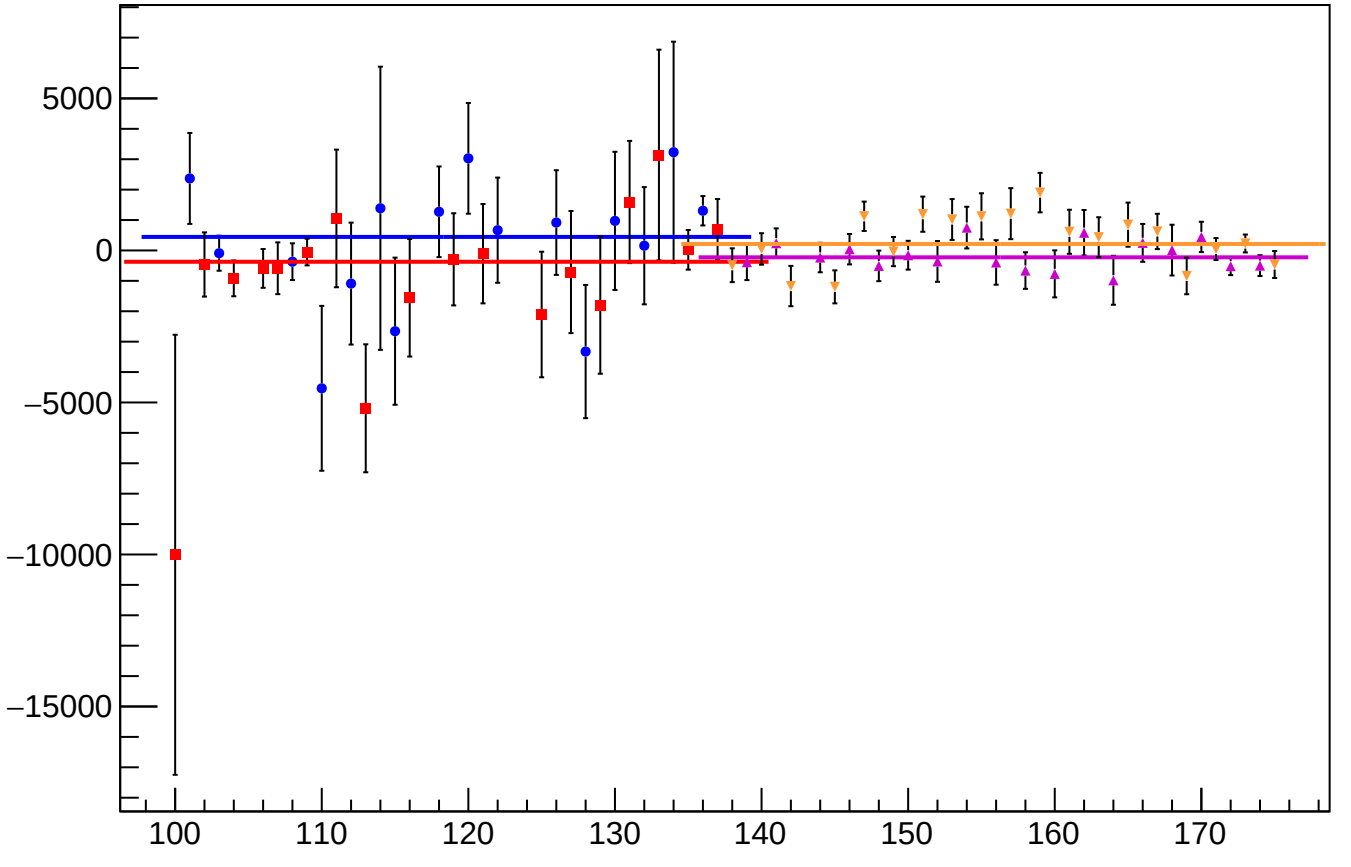
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1518.501+/-0.230 χ^2/NDF:773374.2/33

Out: 1508.027+/-0.228 χ^2/NDF:602829.9/36

All: 1513.209+/-0.162 χ^2/NDF: 1377247.9/70

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 212.698+/-121.139 χ^2/NDF:37.8/18

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -226.518+/-123.386 χ^2/NDF:10.9/17

Left: -2.874+/-86.442 χ^2/NDF: 55.1/36

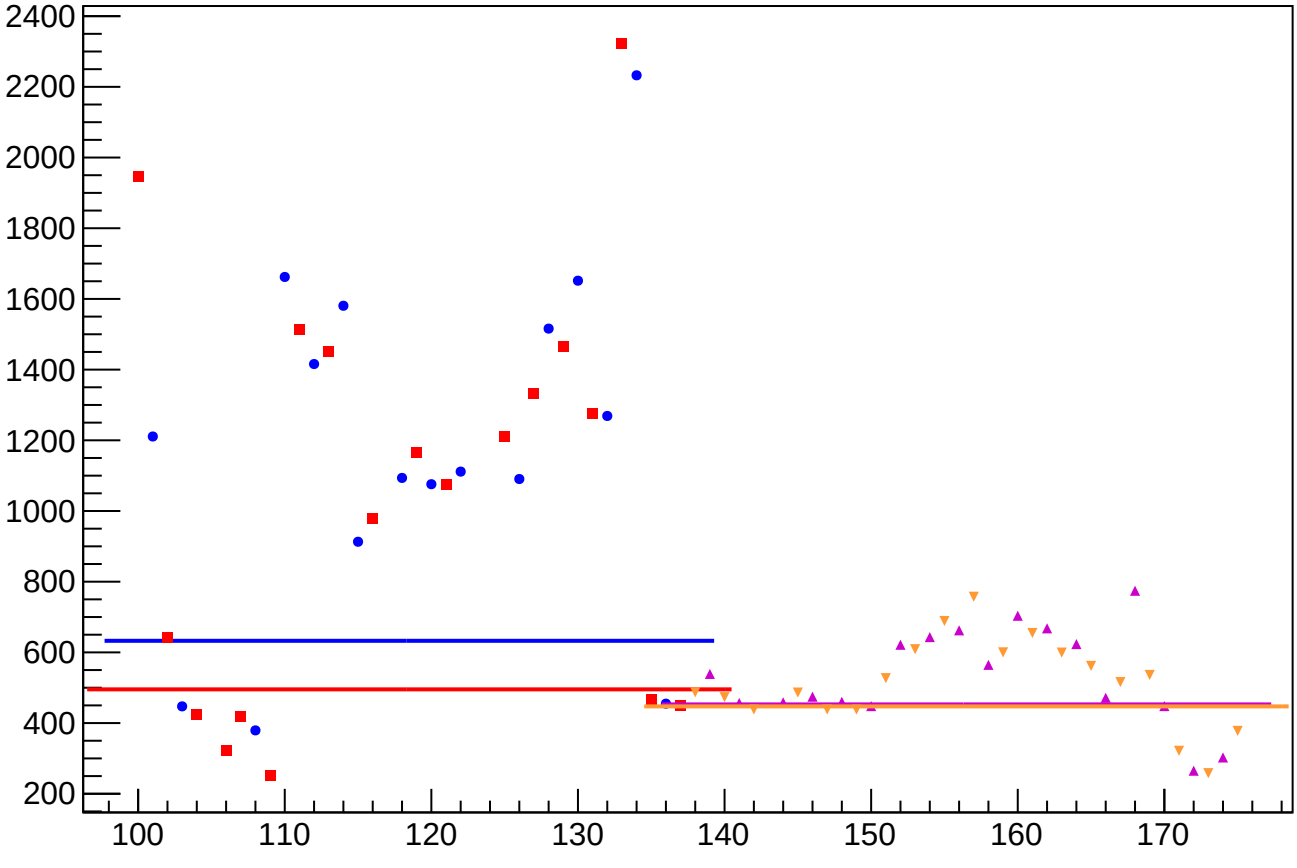
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -113.788+/-112.556 χ^2/NDF:35.0/33

Out: 86.770+/-107.318 χ^2/NDF:56.8/36

All: -8.733+/-77.671 χ^2/NDF: 93.5/70

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 447.170+/-0.086 χ^2/NDF:2276637.5/18

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

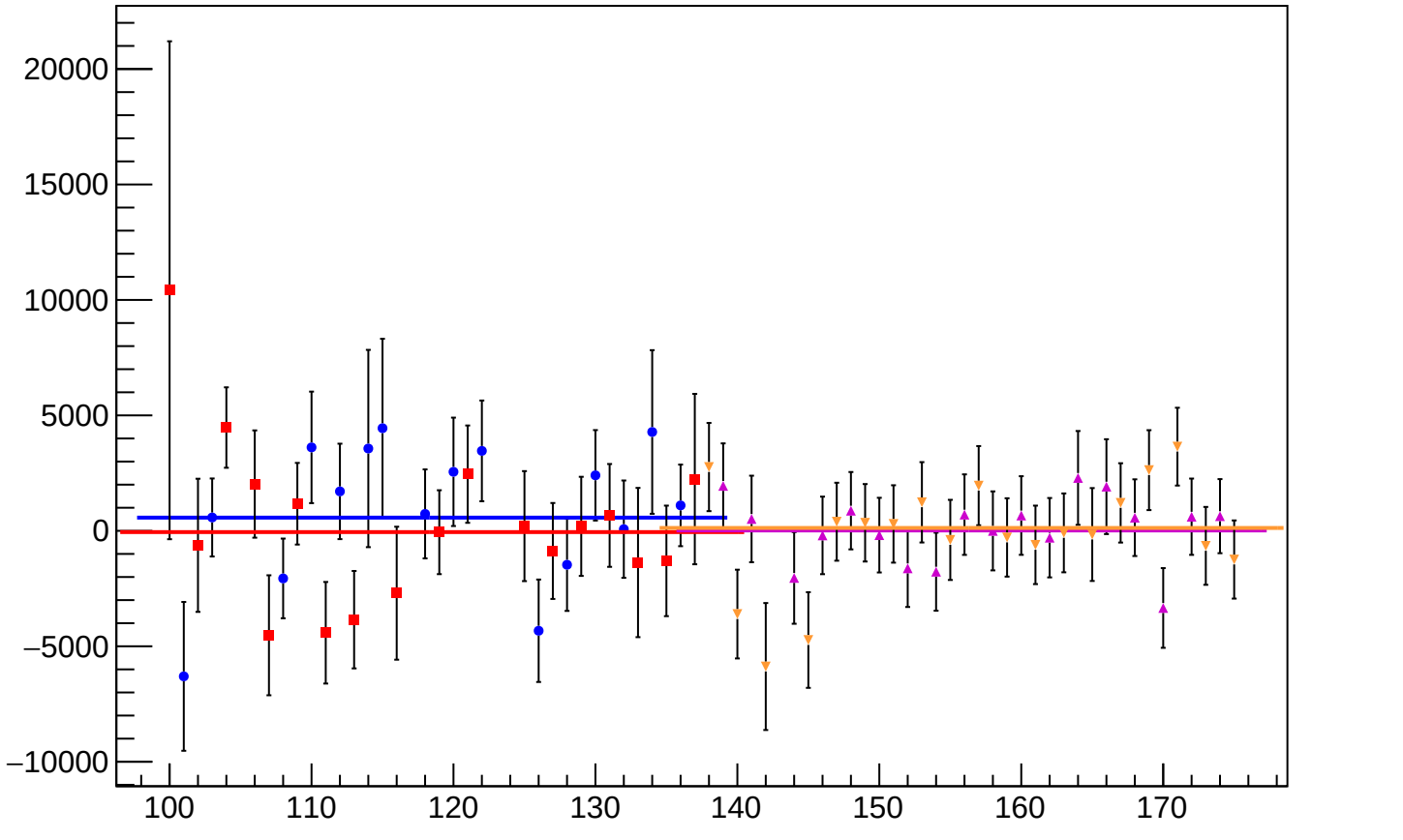
Left: 449.935+/-0.061 χ^2/NDF: 4794529.0/36

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 483.007+/-0.080 χ^2/NDF:6997497.6/33

Out: 457.543+/-0.076 χ^2/NDF:6682282.6/36

All: 469.669+/-0.055 χ^2/NDF: 13733399.6/70



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 124.388+/-408.765 χ^2/NDF:25.6/18

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 16.662+/-410.982 χ^2/NDF:11.2/17

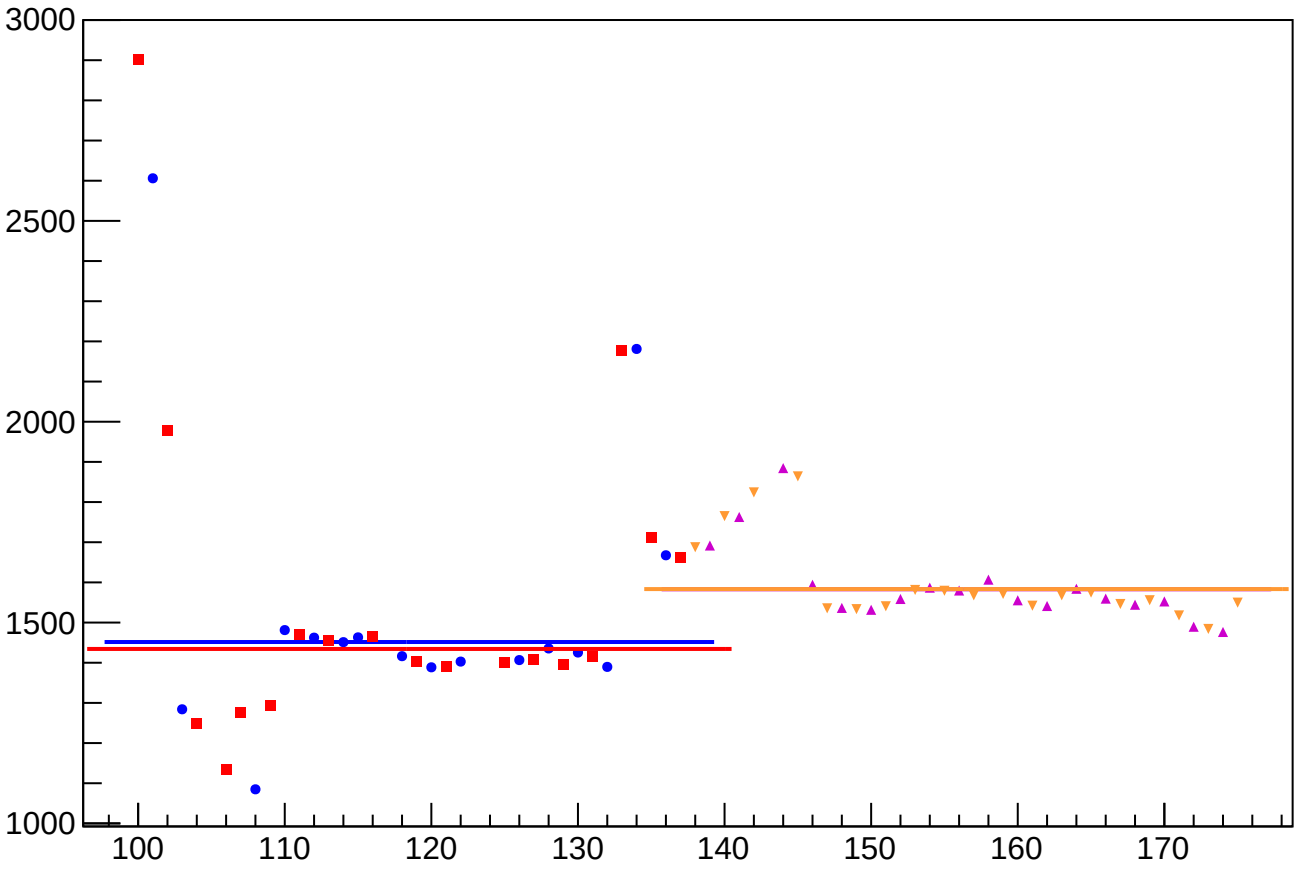
Left: 70.817+/-289.821 χ^2/NDF: 36.9/36

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 215.913+/-329.144 χ^2/NDF:32.7/33

Out: 60.307+/-327.084 χ^2/NDF:48.2/36

All: 137.622+/-232.008 χ^2/NDF: 81.0/70



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94370.2/18

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.0/17

Left: 1583.082+/-0.205 χ^2/NDF: 189206.1/36

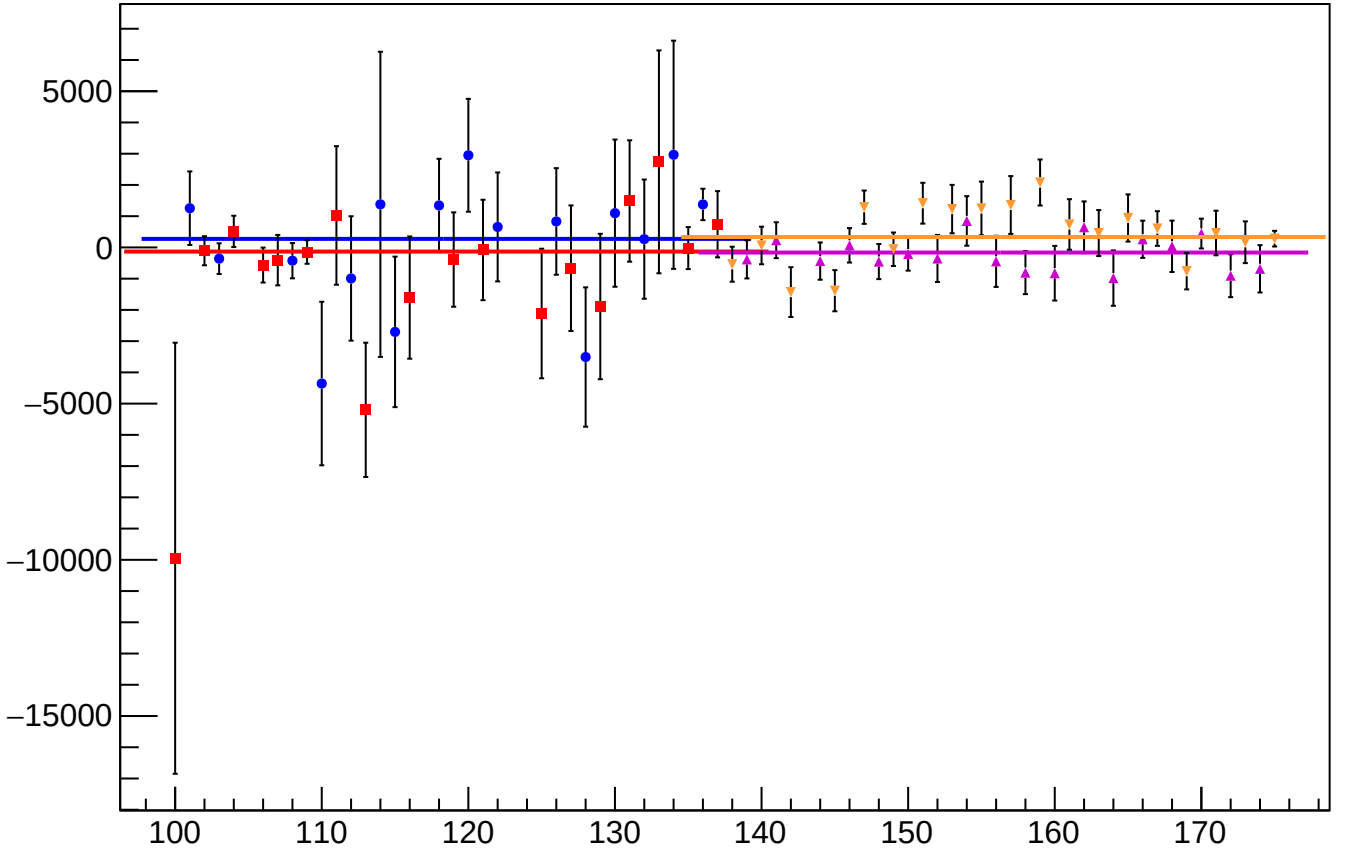
Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1535.747+/-0.233 χ^2/NDF:655792.7/33

Out: 1529.745+/-0.231 χ^2/NDF:518596.8/36

All: 1532.727+/-0.164 χ^2/NDF: 1174724.2/70

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 333.574+/-132.938 χ^2/NDF:34.9/18

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -163.968+/-154.215 χ^2/NDF:10.1/17

Left: 121.468+/-100.690 χ^2/NDF: 51.0/36

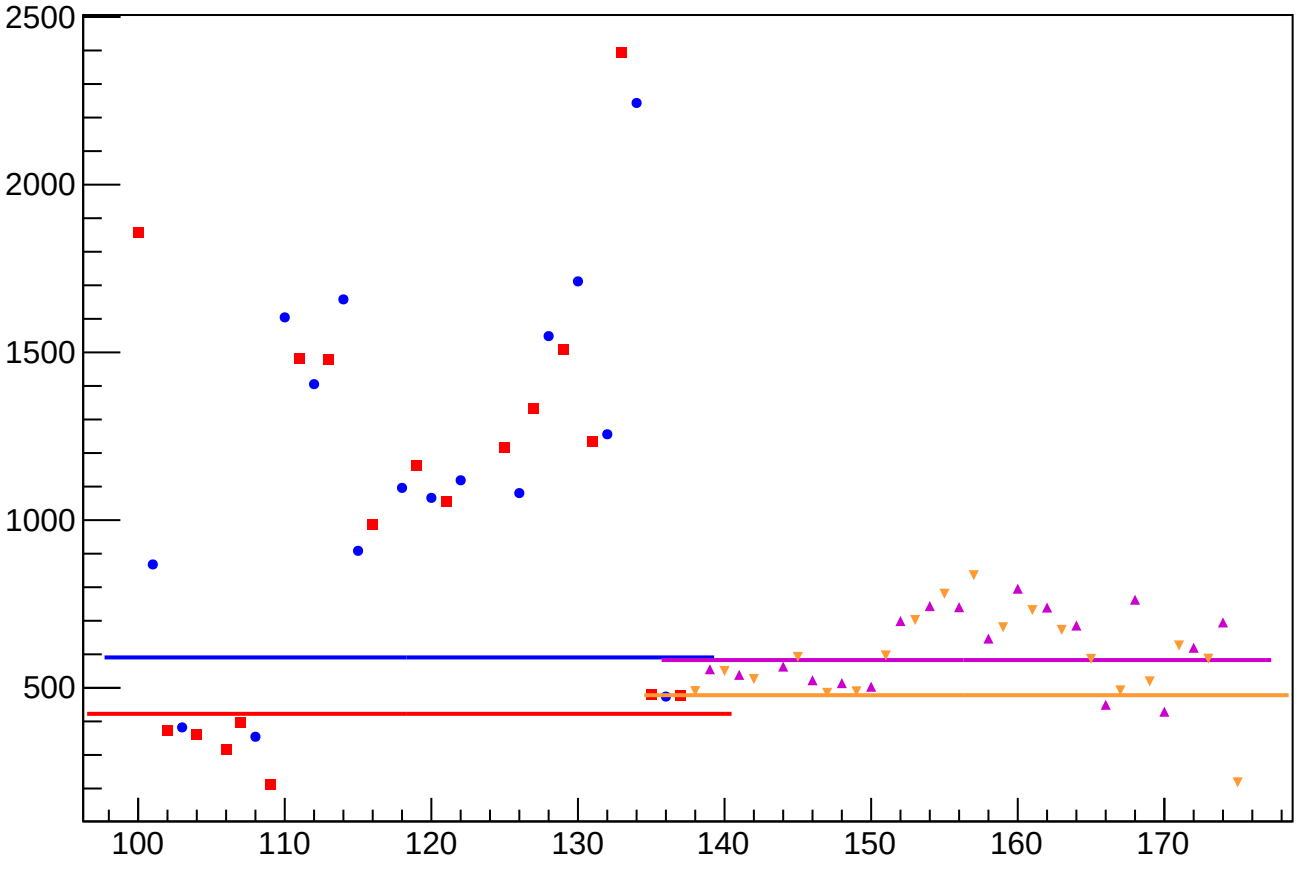
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -50.480+/-132.709 χ^2/NDF:32.4/33

Out: 186.631+/-110.007 χ^2/NDF:53.2/36

All: 90.061+/-84.693 χ^2/NDF: 87.5/70

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 478.154+/-0.094 χ^2/NDF:3700516.3/18

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 582.889+/-0.109 χ^2/NDF:1008242.1/17

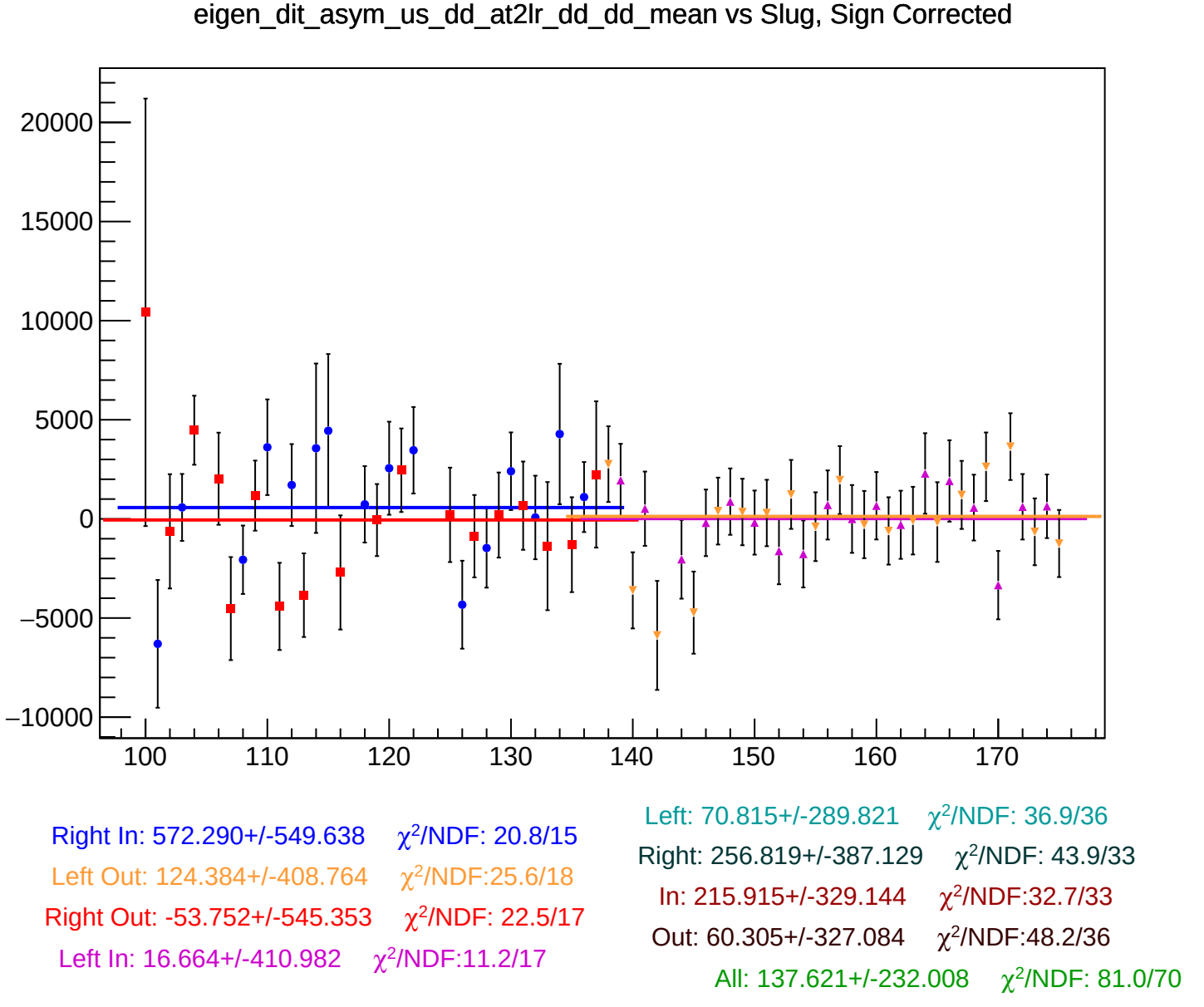
Left: 522.804+/-0.071 χ^2/NDF: 5237986.2/36

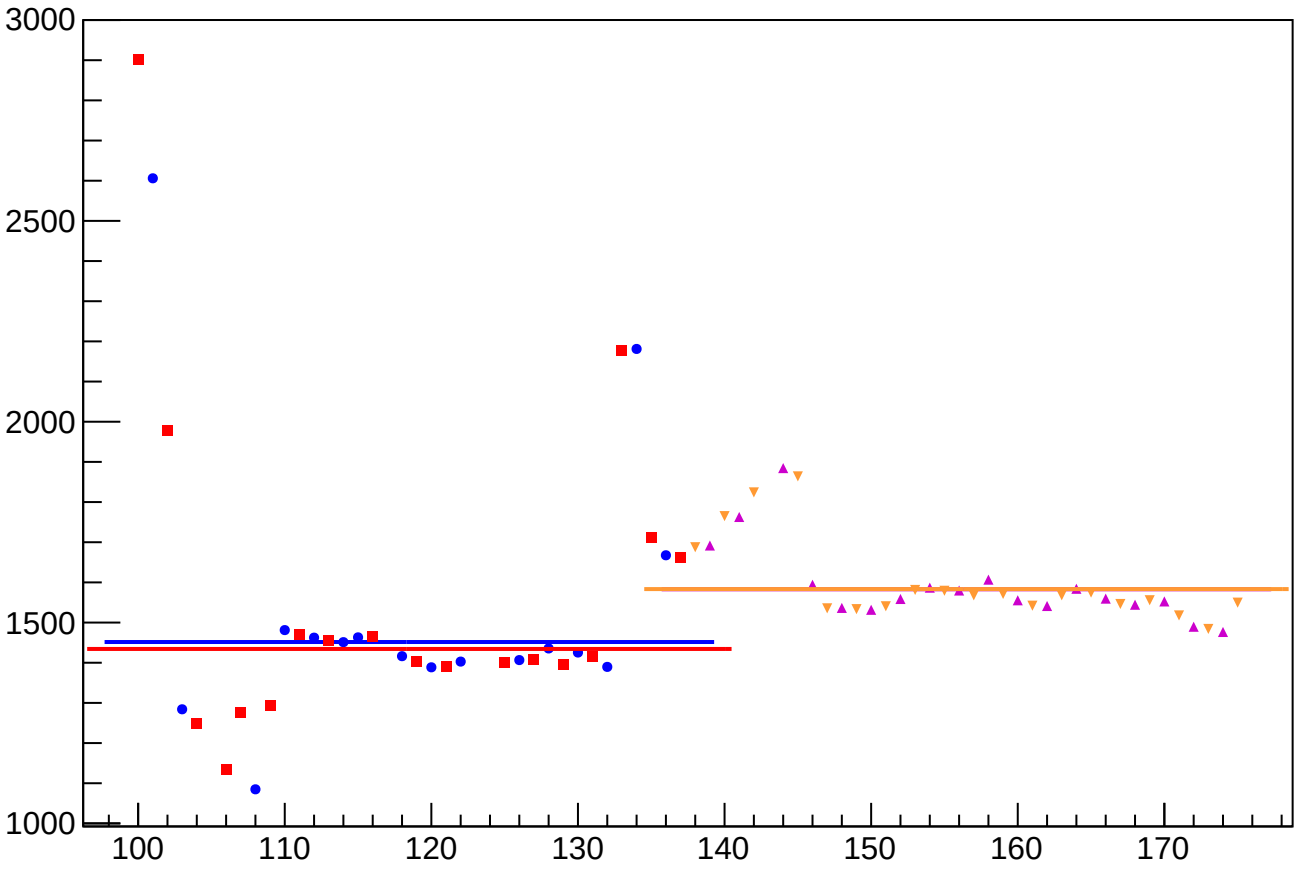
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 584.929+/-0.094 χ^2/NDF:4895092.1/33

Out: 460.651+/-0.078 χ^2/NDF:8668518.2/36

All: 511.266+/-0.060 χ^2/NDF: 14603206.8/70


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 124.384+/-408.764 χ²/NDF:25.6/18
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: 16.664+/-410.982 χ²/NDF:11.2/17
Left: 70.815+/-289.821 χ²/NDF: 36.9/36
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 215.915+/-329.144 χ²/NDF:32.7/33
Out: 60.305+/-327.084 χ²/NDF:48.2/36
All: 137.621+/-232.008 χ²/NDF: 81.0/70



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94371.0/18

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.8/17

Left: 1583.082+/-0.205 χ^2/NDF: 189207.6/36

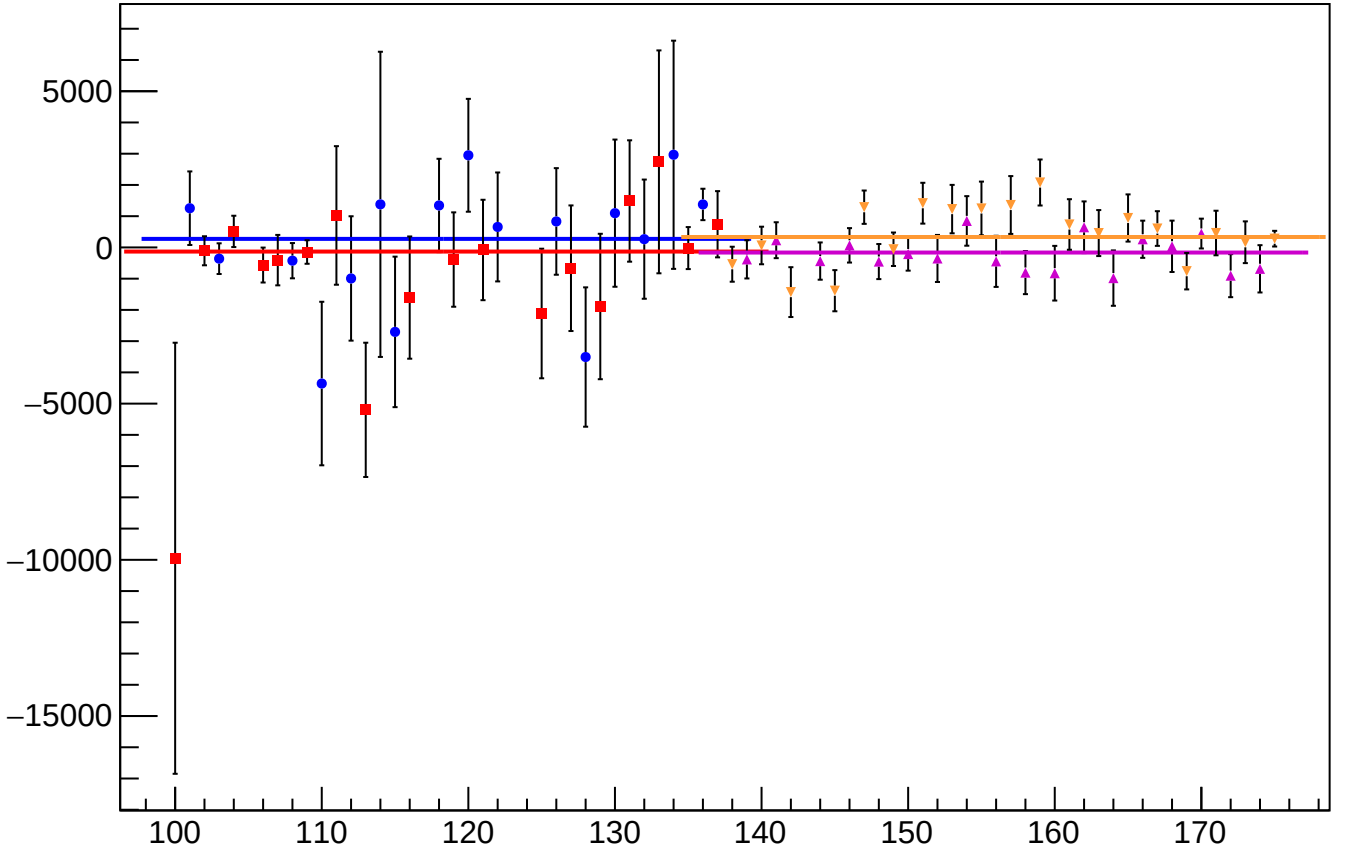
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1535.747+/-0.233 χ^2/NDF:655792.7/33

Out: 1529.745+/-0.231 χ^2/NDF:518597.4/36

All: 1532.727+/-0.164 χ^2/NDF: 1174724.7/70

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 333.581+/-132.939 χ^2/NDF:34.9/18

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -163.970+/-154.215 χ^2/NDF:10.1/17

Left: 121.470+/-100.691 χ^2/NDF: 51.0/36

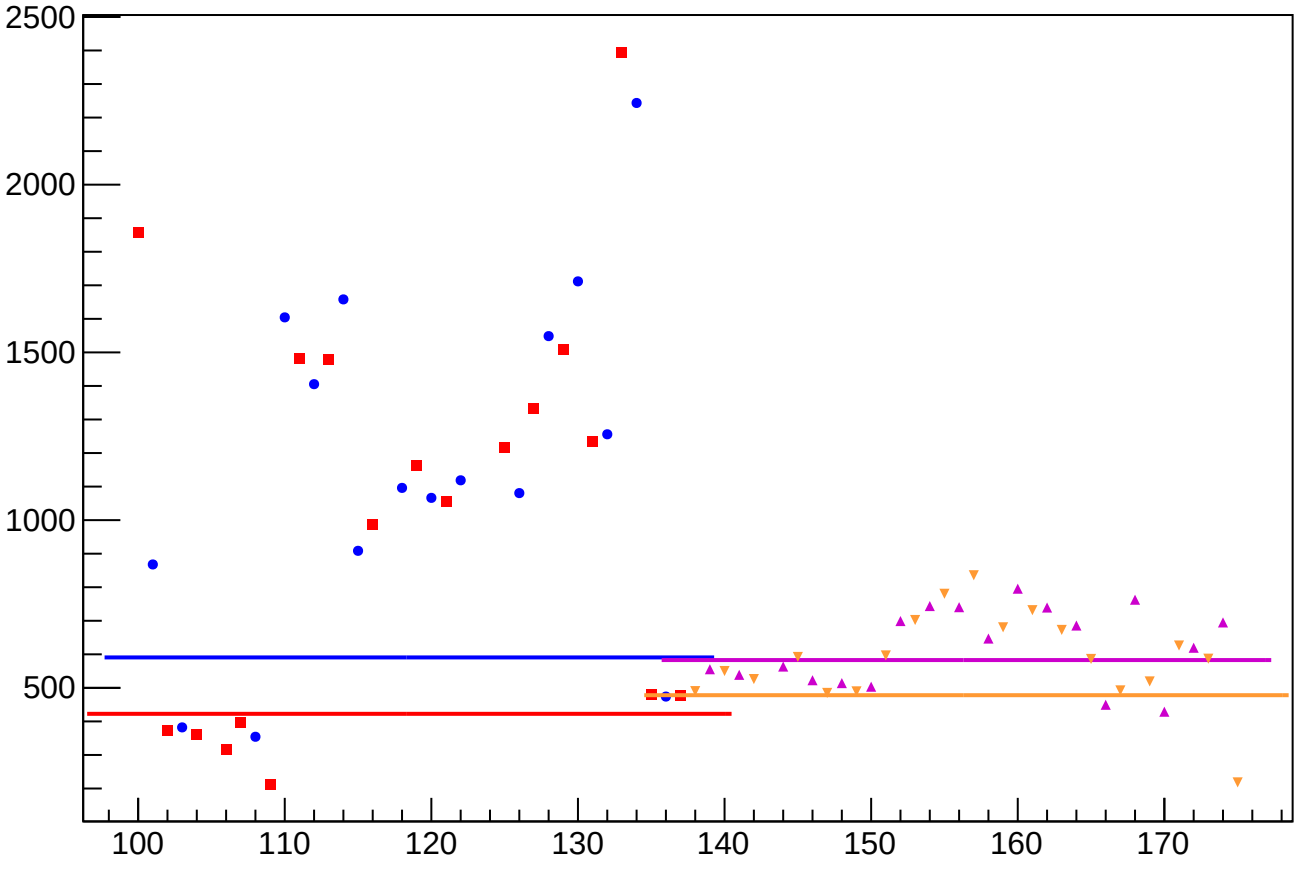
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -50.483+/-132.709 χ^2/NDF:32.4/33

Out: 186.638+/-110.008 χ^2/NDF:53.2/36

All: 90.063+/-84.693 χ^2/NDF: 87.5/70

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 478.157+/-0.094 χ^2/NDF:3700422.3/18

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 582.889+/-0.109 χ^2/NDF:1008246.5/17

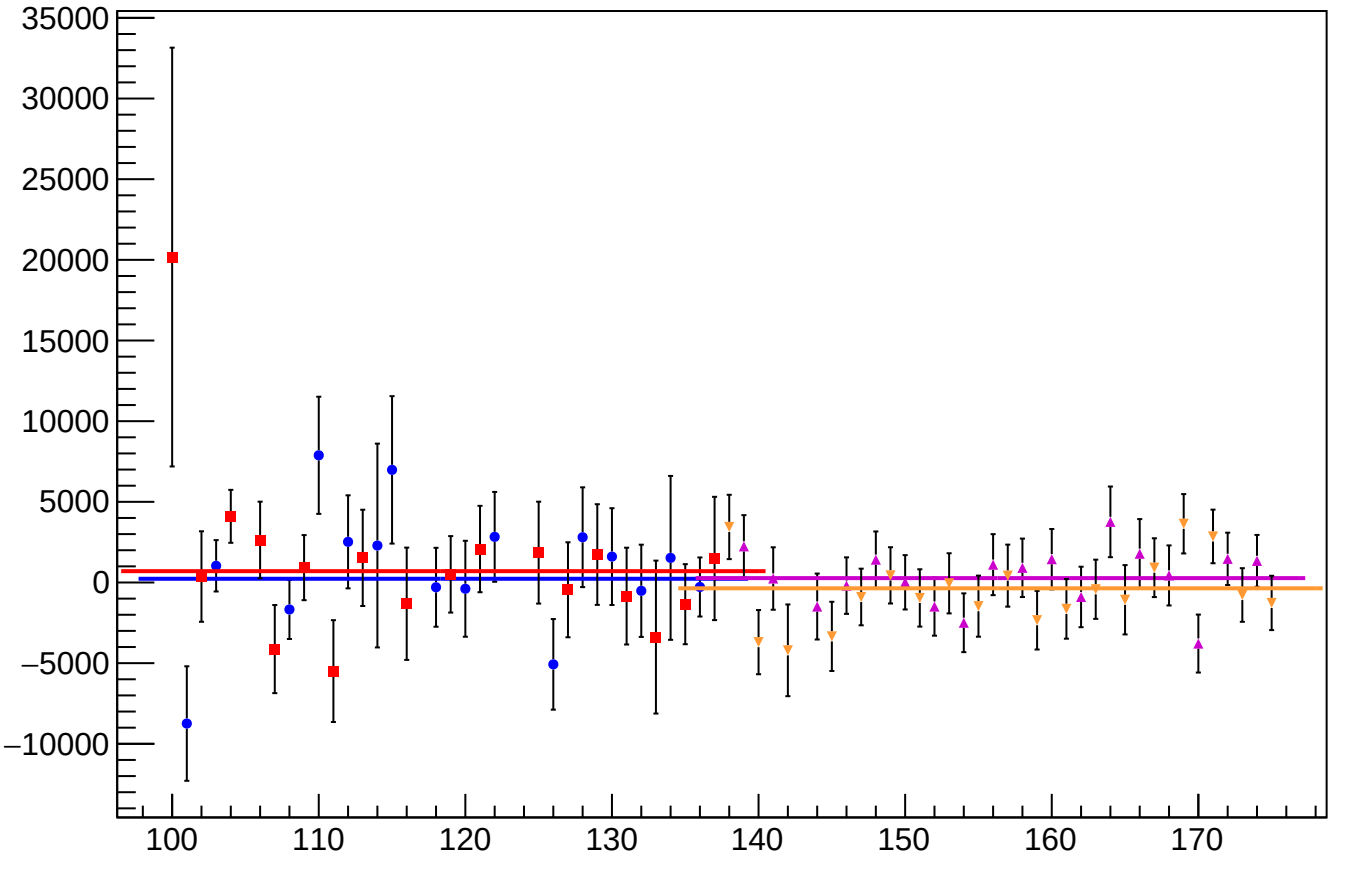
Left: 522.806+/-0.071 χ^2/NDF: 5237862.0/36

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 584.928+/-0.094 χ^2/NDF:4895124.2/33

Out: 460.655+/-0.078 χ^2/NDF:8668331.9/36

All: 511.269+/-0.060 χ^2/NDF: 14602973.2/70



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -360.082+/-428.937 χ^2/NDF:22.3/18

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 271.284+/-433.036 χ^2/NDF:15.8/17

Left: -47.401+/-304.743 χ^2/NDF: 39.1/36

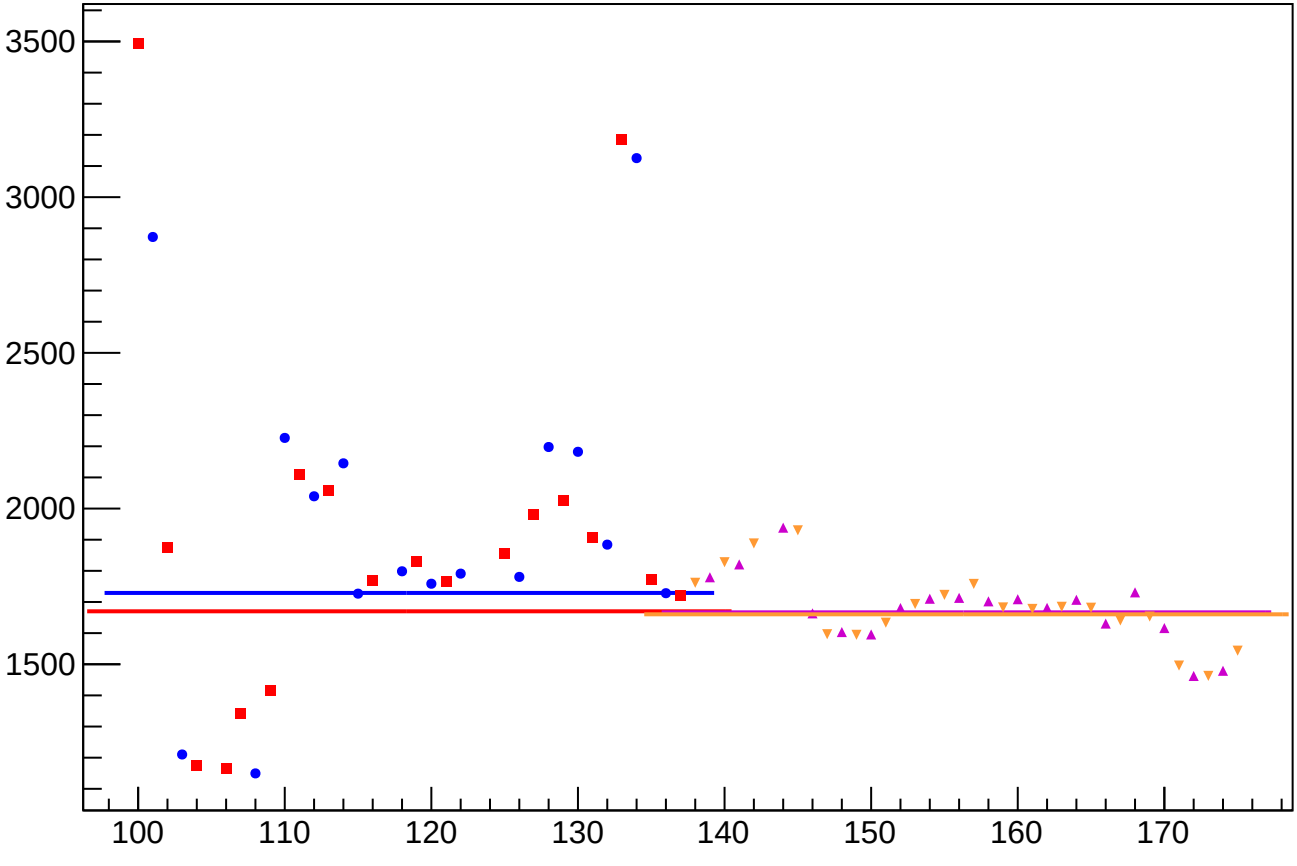
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 259.249+/-363.082 χ^2/NDF:36.5/33

Out: -36.638+/-357.729 χ^2/NDF:41.1/36

All: 109.109+/-254.824 χ^2/NDF: 78.0/70

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1660.408+/-0.303 χ^2/NDF:136483.5/18

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1666.752+/-0.306 χ^2/NDF:129602.6/17

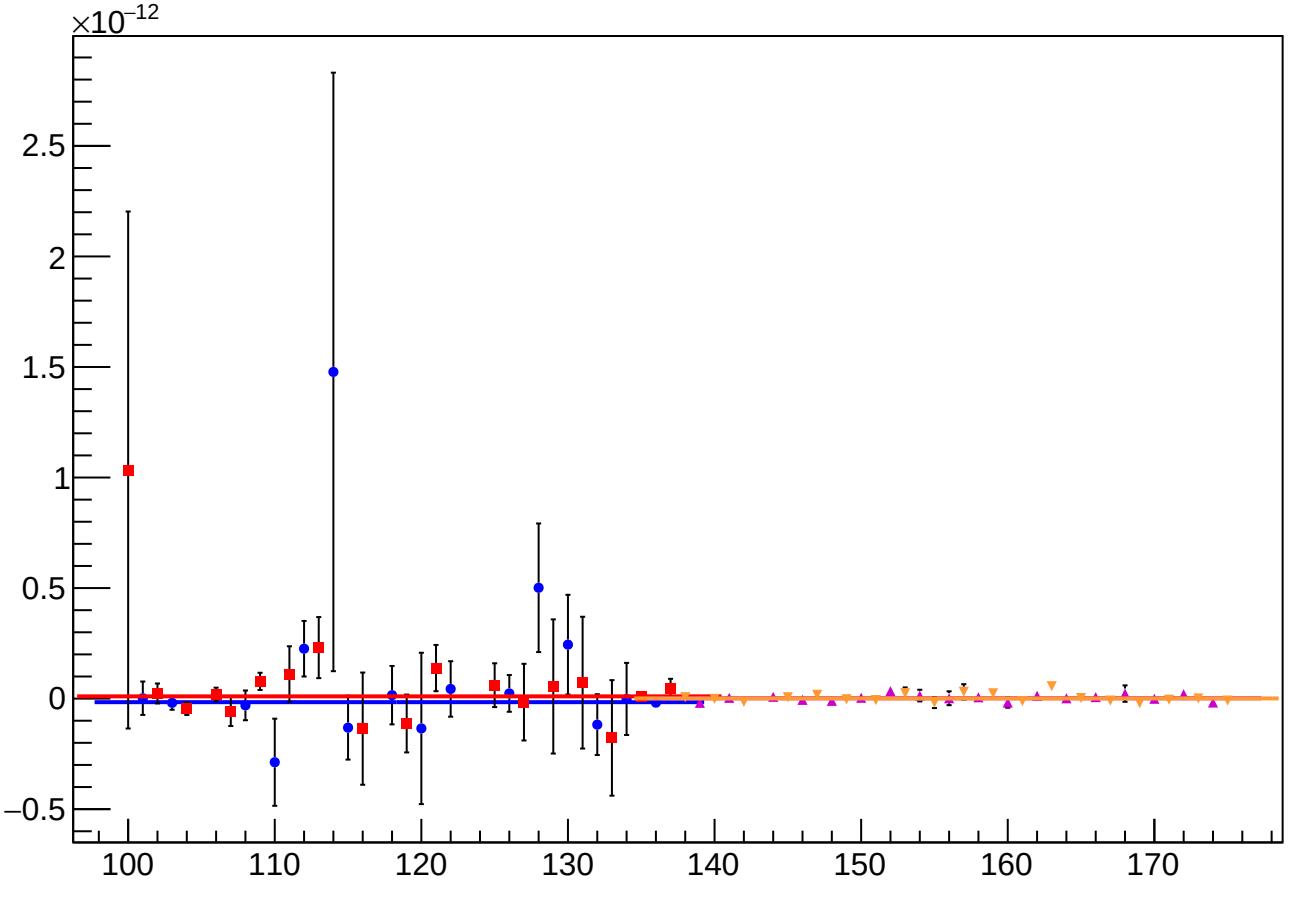
Left: 1663.550+/-0.215 χ^2/NDF: 266302.8/36

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1685.254+/-0.257 χ^2/NDF:1083975.0/33

Out: 1663.346+/-0.253 χ^2/NDF:881243.7/36

All: 1674.137+/-0.180 χ^2/NDF: 1968913.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.6/17

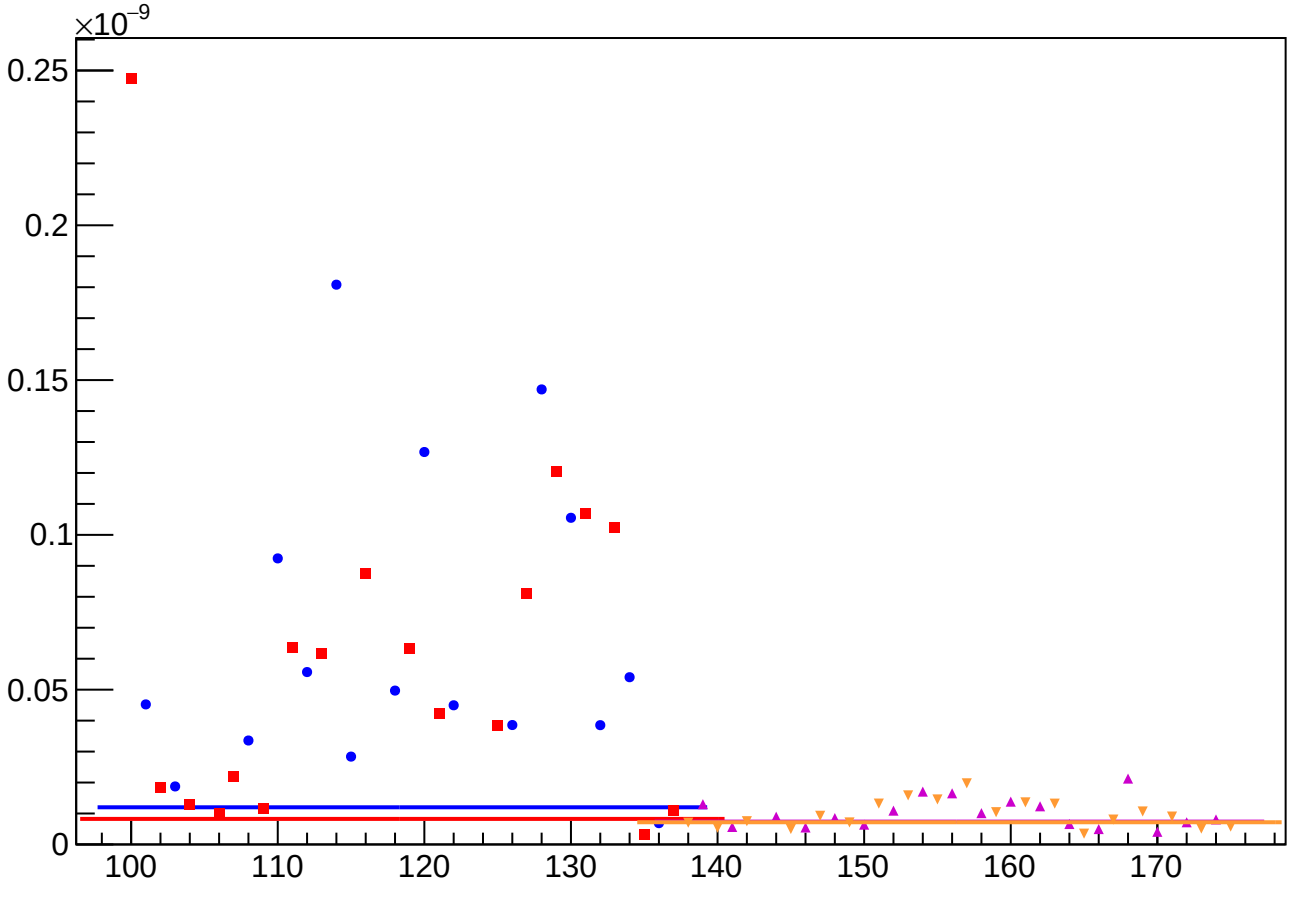
Left: 0.000+/-0.000 χ^2/NDF: 28.0/36

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:27.6/33

Out: 0.000+/-0.000 χ^2/NDF:33.9/36

All: 0.000+/-0.000 χ^2/NDF: 61.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1963825.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1891527.3/17

Left: 0.000+/-0.000 χ^2/NDF: 3859462.2/36

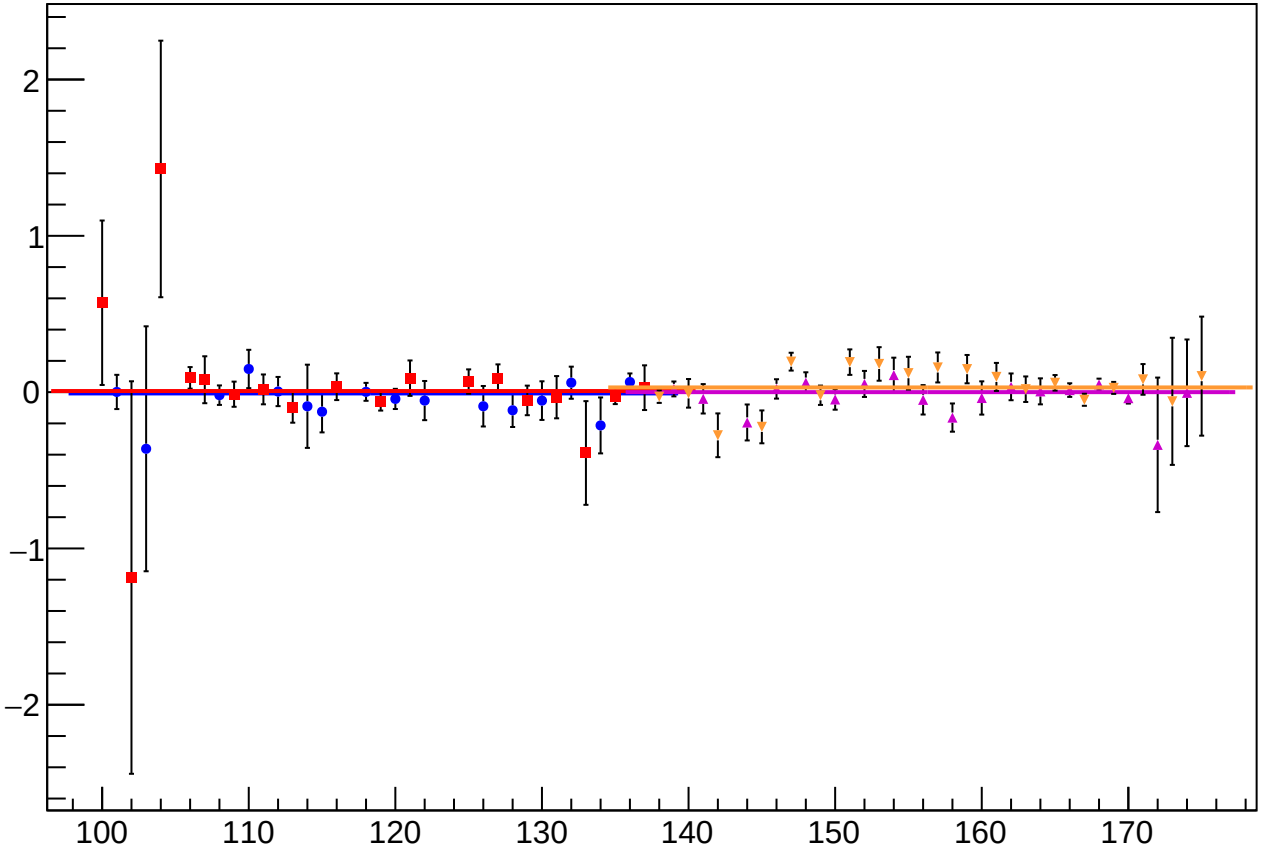
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5686071.8/33

Out: 0.000+/-0.000 χ^2/NDF:5501346.5/36

All: 0.000+/-0.000 χ^2/NDF: 11215351.8/70

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/36

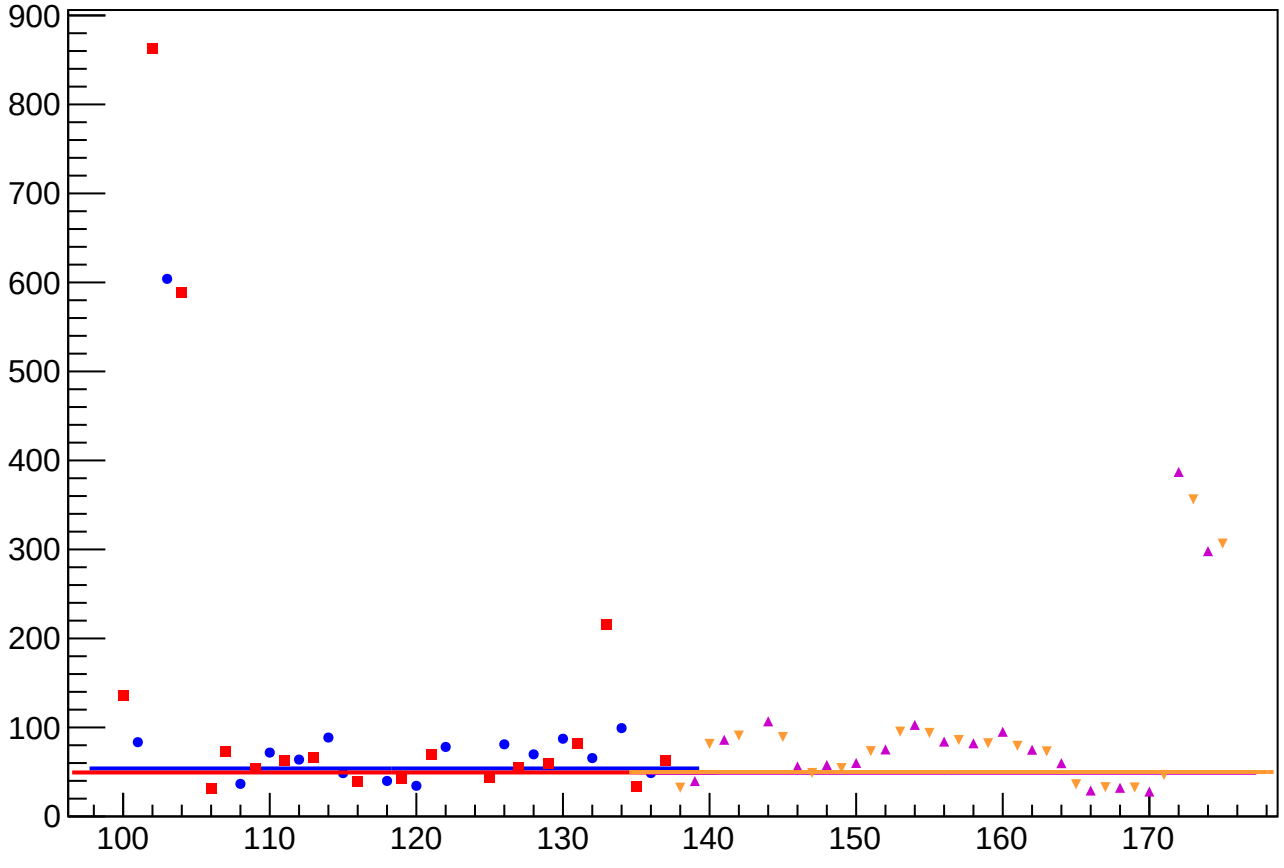
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/70

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.918+/-0.011 χ^2/NDF:5878777.6/18

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

Left: 49.469+/-0.008 χ^2/NDF: 12576530.7/36

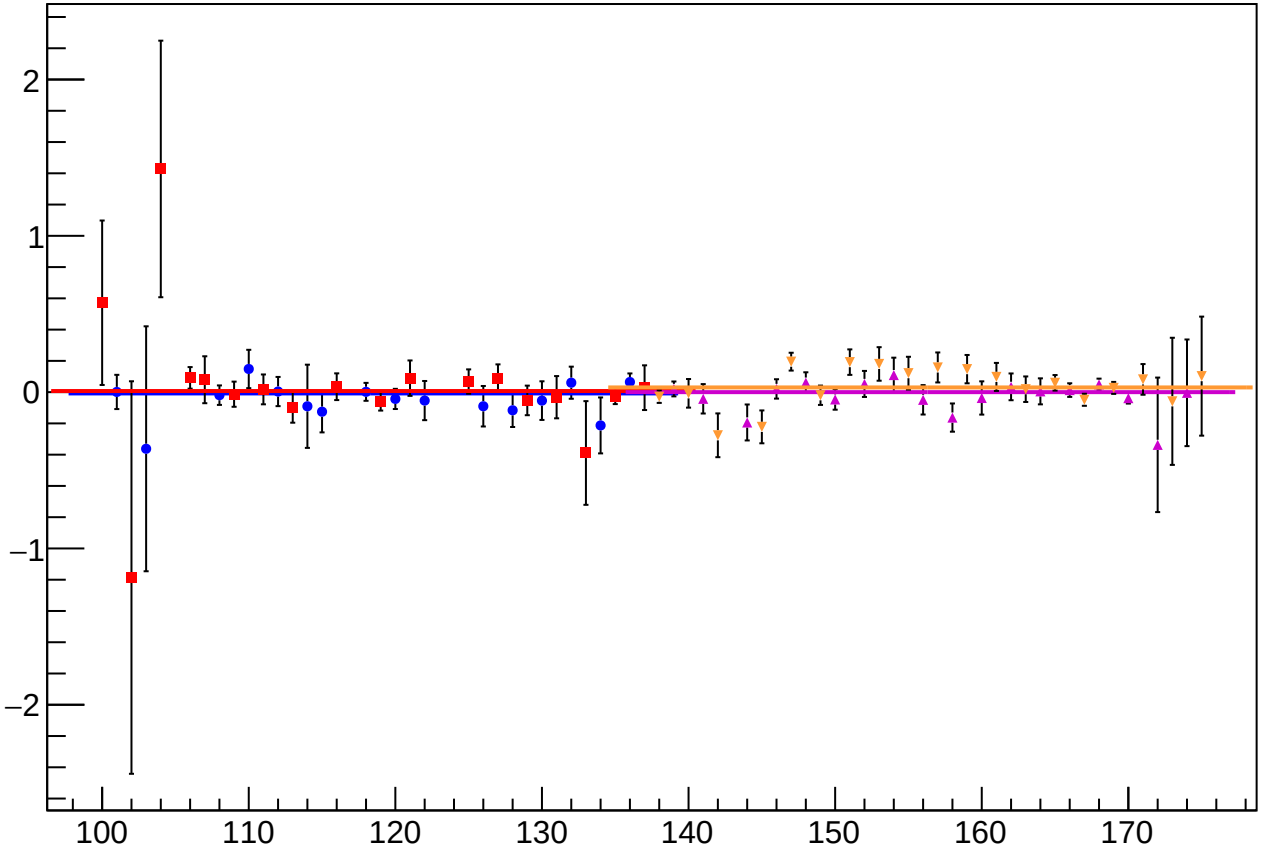
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.521+/-0.009 χ^2/NDF:8971202.0/33

Out: 49.755+/-0.009 χ^2/NDF:8897173.0/36

All: 50.137+/-0.006 χ^2/NDF: 17871998.8/70

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/36

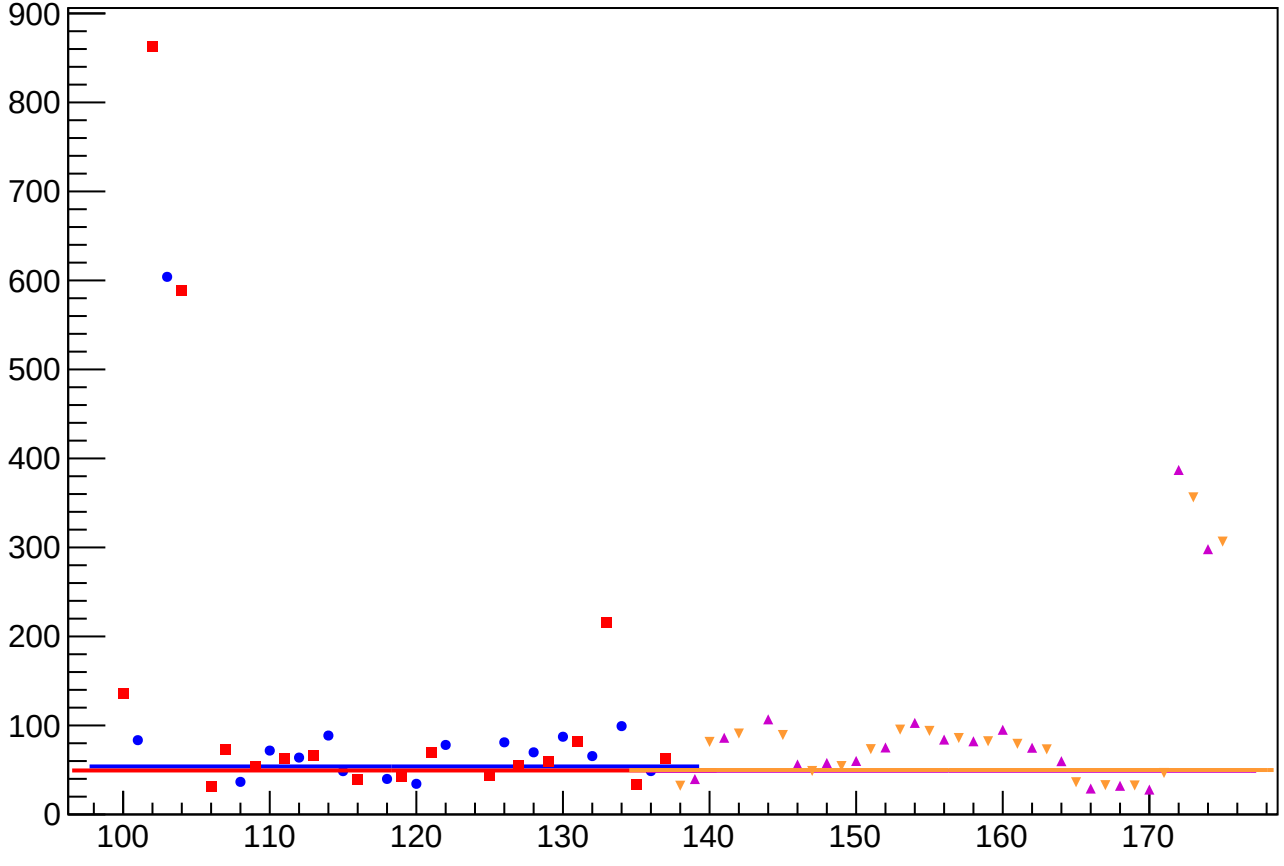
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/70

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.918+/-0.011 χ^2/NDF:5878777.6/18

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

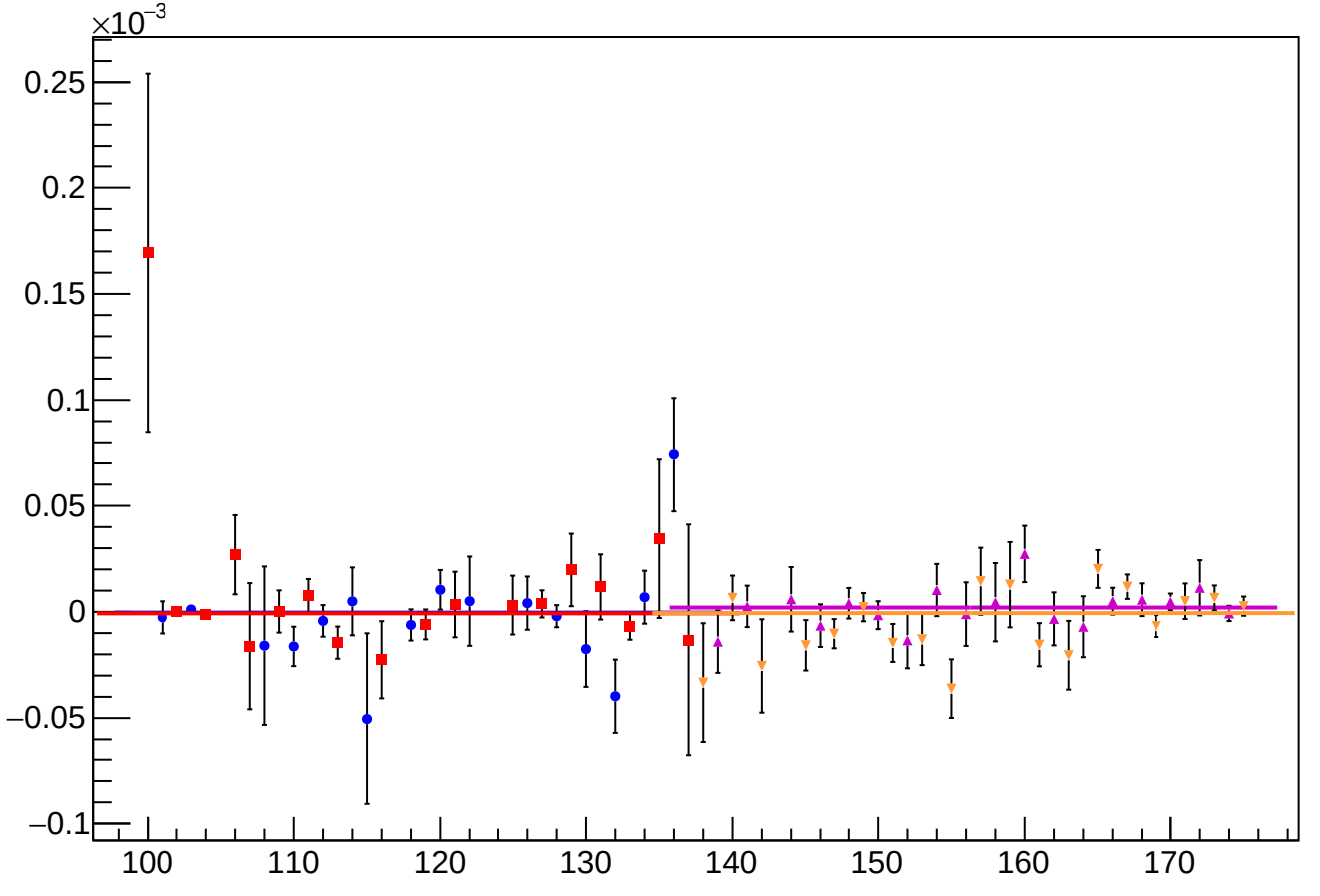
Left: 49.469+/-0.008 χ^2/NDF: 12576530.7/36

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.521+/-0.009 χ^2/NDF:8971202.0/33

Out: 49.755+/-0.009 χ^2/NDF:8897173.0/36

All: 50.137+/-0.006 χ^2/NDF: 17871998.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/17

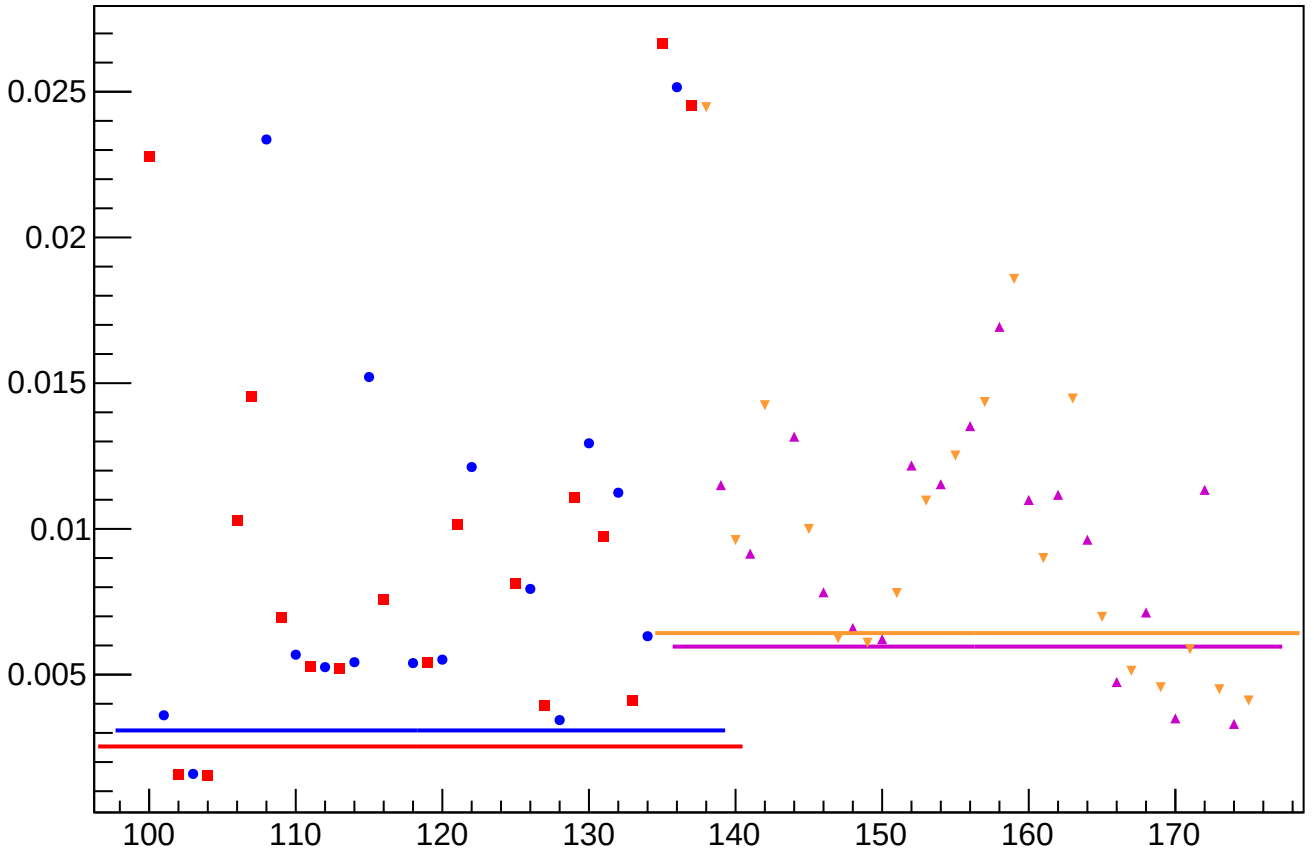
Left: 0.000+/-0.000 χ^2/NDF: 47.5/36

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:33.6/33

Out: -0.000+/-0.000 χ^2/NDF:53.9/36

All: -0.000+/-0.000 χ^2/NDF: 88.2/70



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5161692.4/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6225416.2/17

Left: 0.006+/-0.000 χ^2/NDF: 11449602.7/36

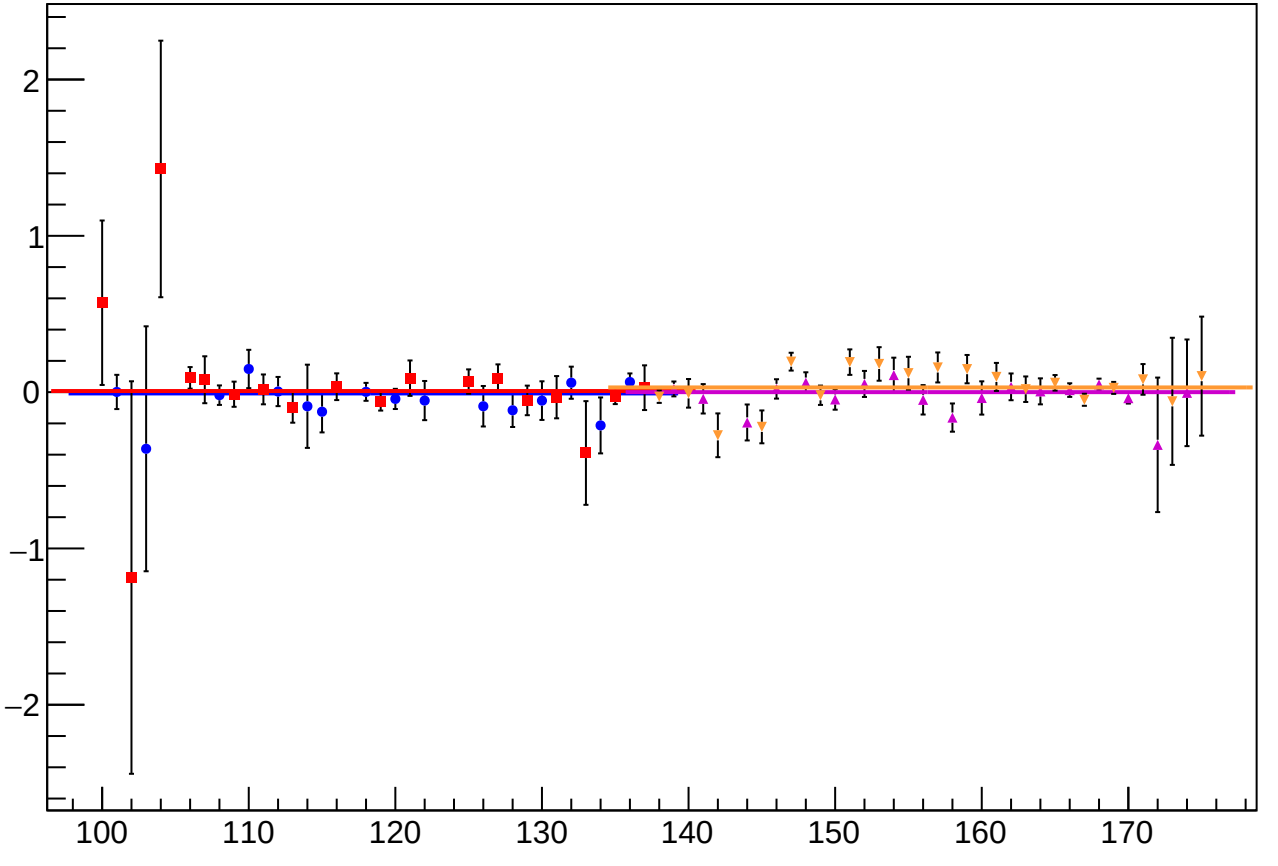
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14776392.2/33

Out: 0.004+/-0.000 χ^2/NDF:17255402.9/36

All: 0.004+/-0.000 χ^2/NDF: 32314584.9/70

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/36

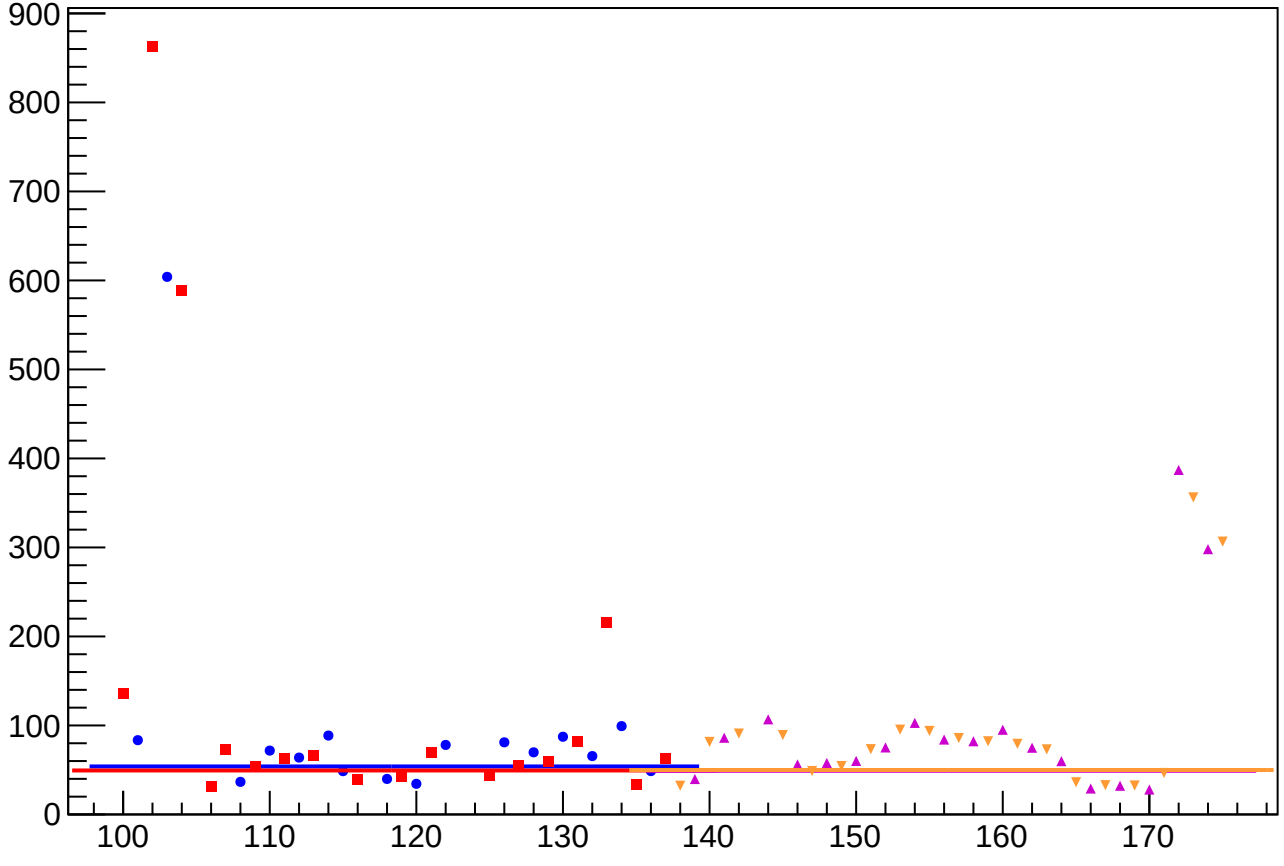
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/70

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.920+/-0.011 χ^2/NDF:5877991.4/18

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

Left: 49.470+/-0.008 χ^2/NDF: 12575696.3/36

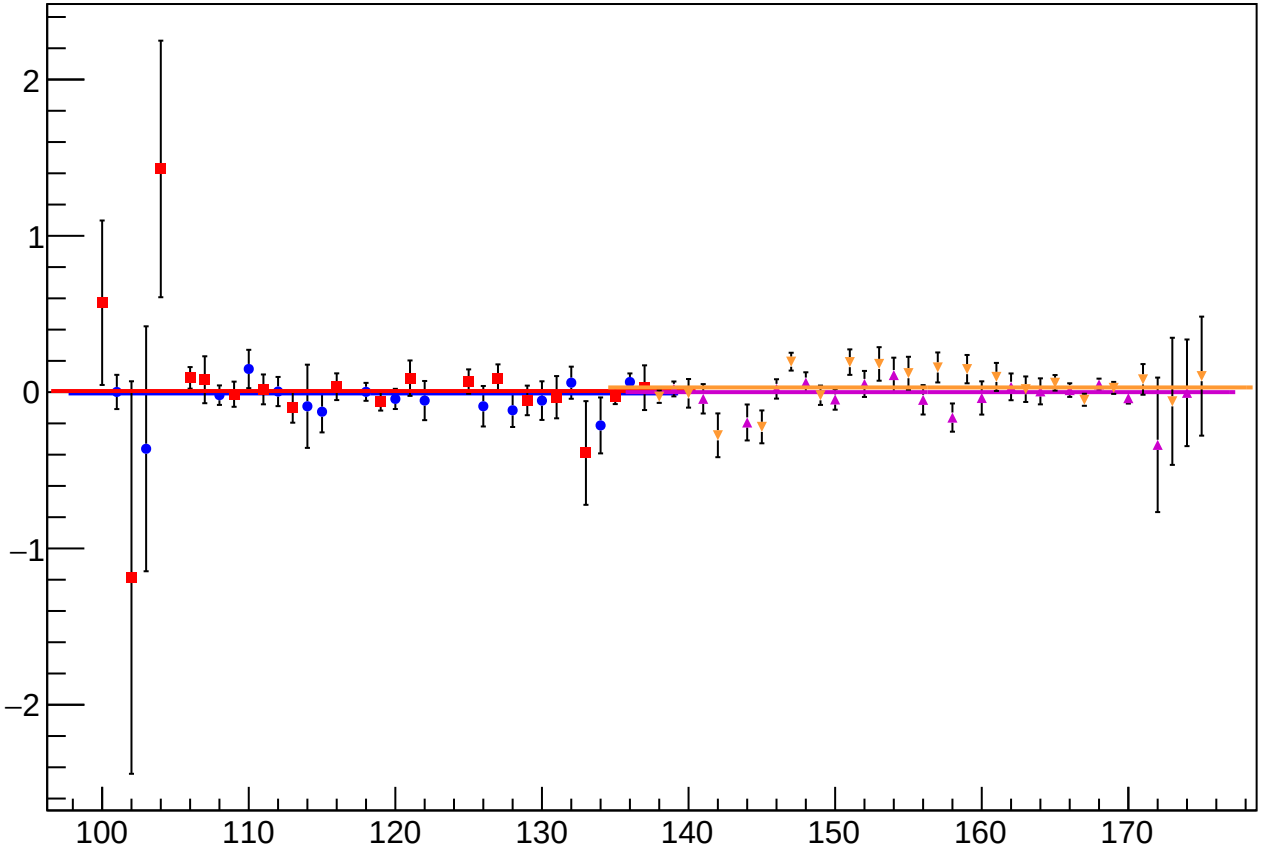
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.522+/-0.009 χ^2/NDF:8970818.4/33

Out: 49.757+/-0.009 χ^2/NDF:8896108.6/36

All: 50.138+/-0.006 χ^2/NDF: 17870538.2/70

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/36

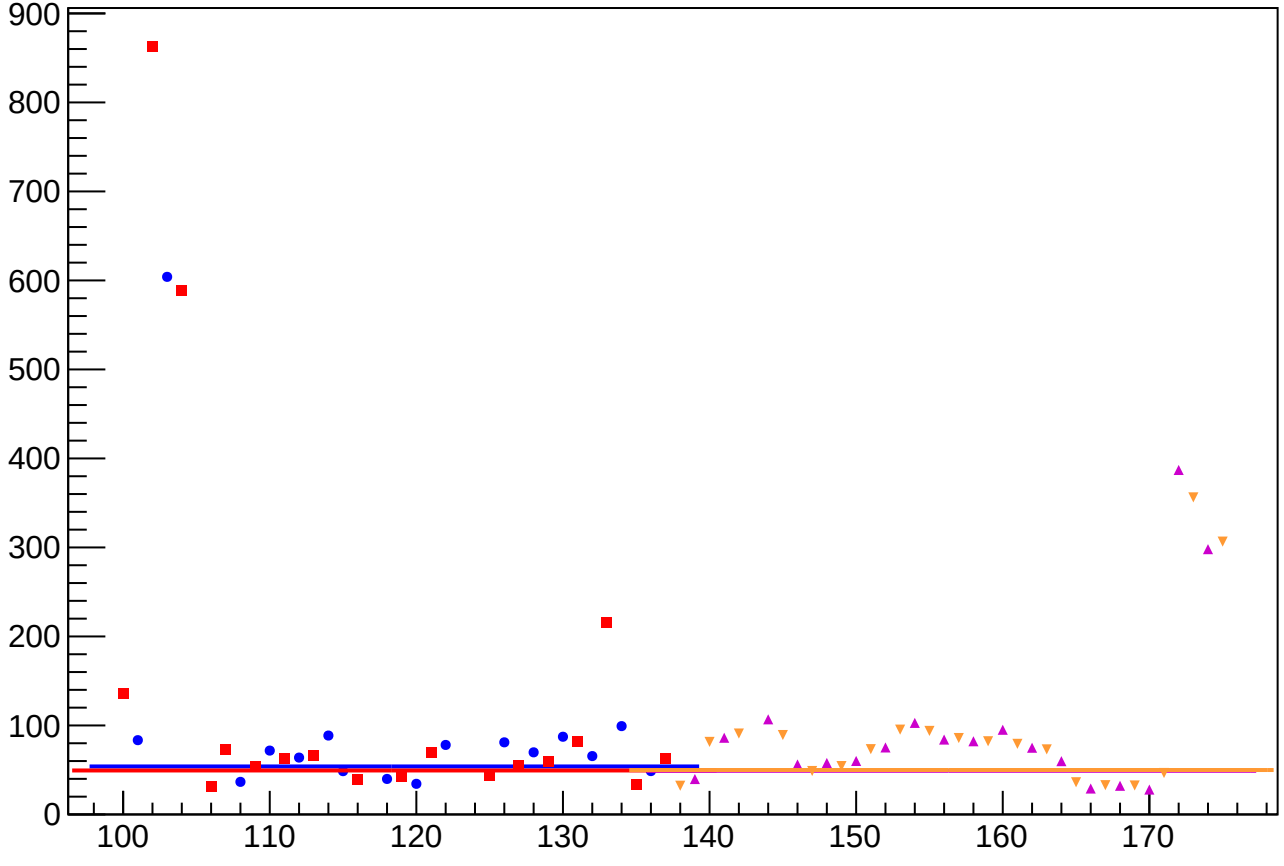
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/70

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.920+/-0.011 χ^2/NDF:5877991.4/18

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

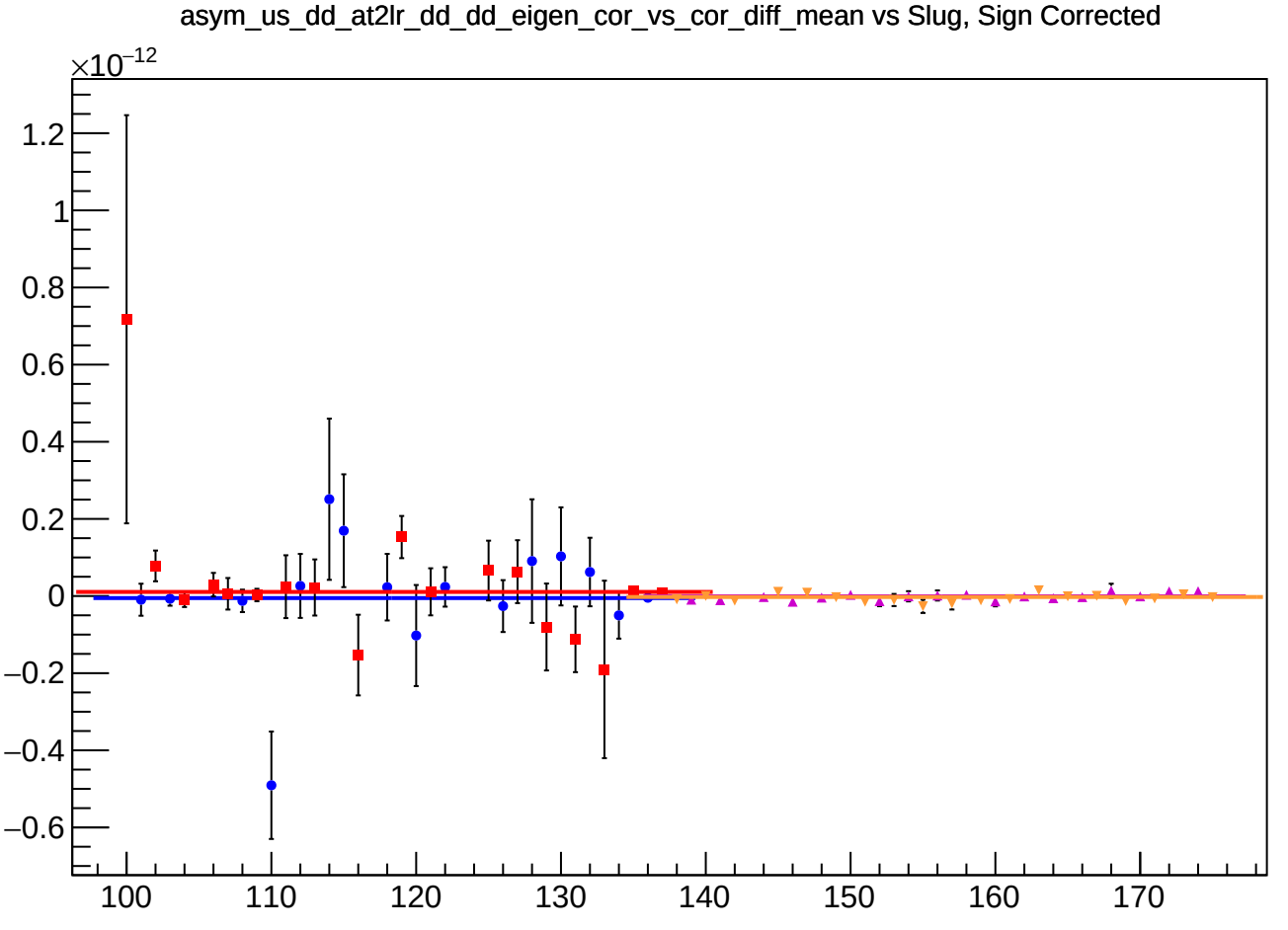
Left: 49.470+/-0.008 χ^2/NDF: 12575696.3/36

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.522+/-0.009 χ^2/NDF:8970818.4/33

Out: 49.757+/-0.009 χ^2/NDF:8896108.6/36

All: 50.138+/-0.006 χ^2/NDF: 17870538.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:16.9/17

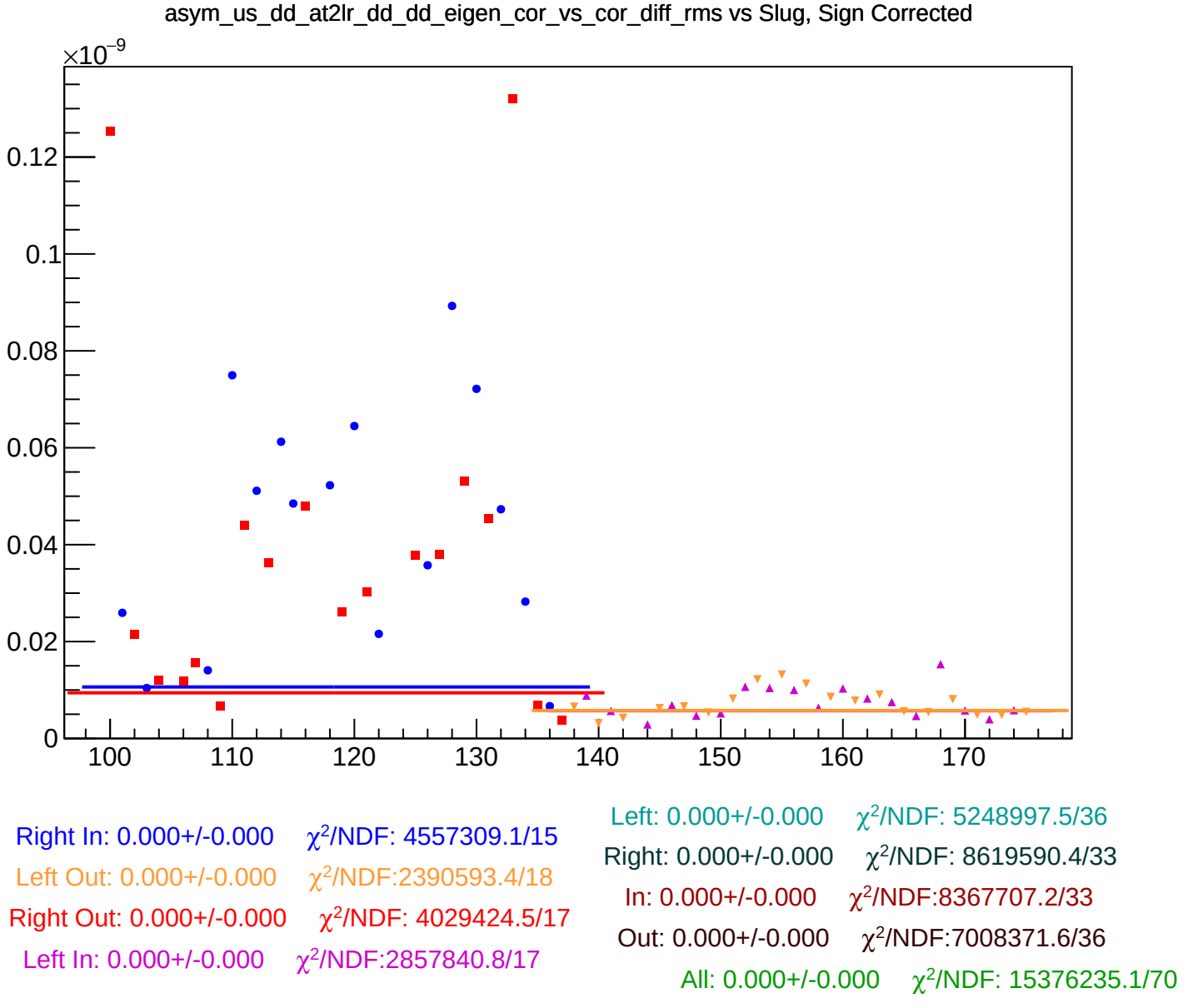
Left: -0.000+/-0.000 χ^2/NDF: 34.1/36

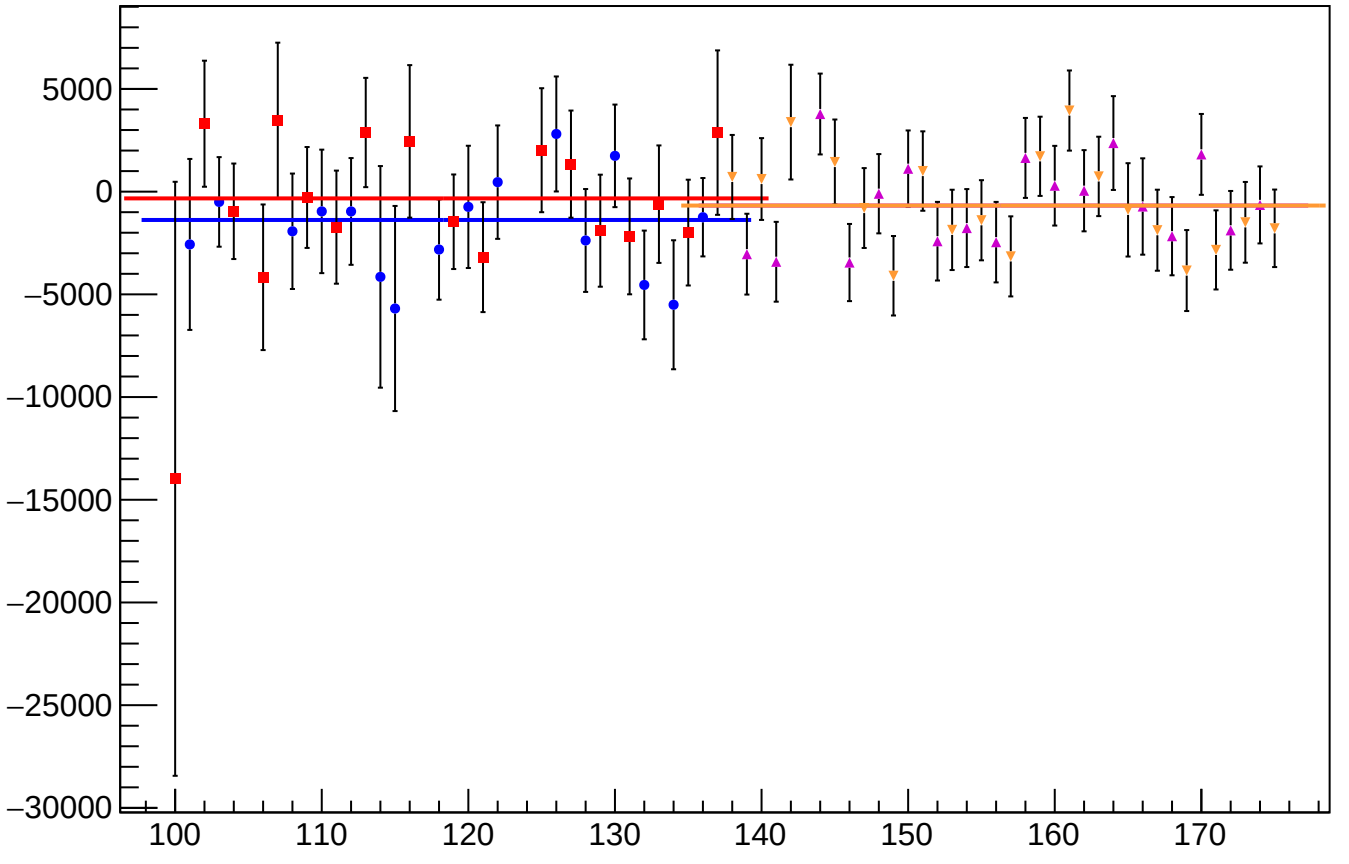
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:35.9/33

Out: -0.000+/-0.000 χ^2/NDF:40.7/36

All: -0.000+/-0.000 χ^2/NDF: 76.5/70


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2390593.4/18
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:2857840.8/17
Left: 0.000+/-0.000 χ²/NDF: 5248997.5/36
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:8367707.2/33
Out: 0.000+/-0.000 χ²/NDF:7008371.6/36
All: 0.000+/-0.000 χ²/NDF: 15376235.1/70



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.924+/-458.509 χ^2/NDF:22.5/18

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -677.495+/-462.156 χ^2/NDF:19.9/17

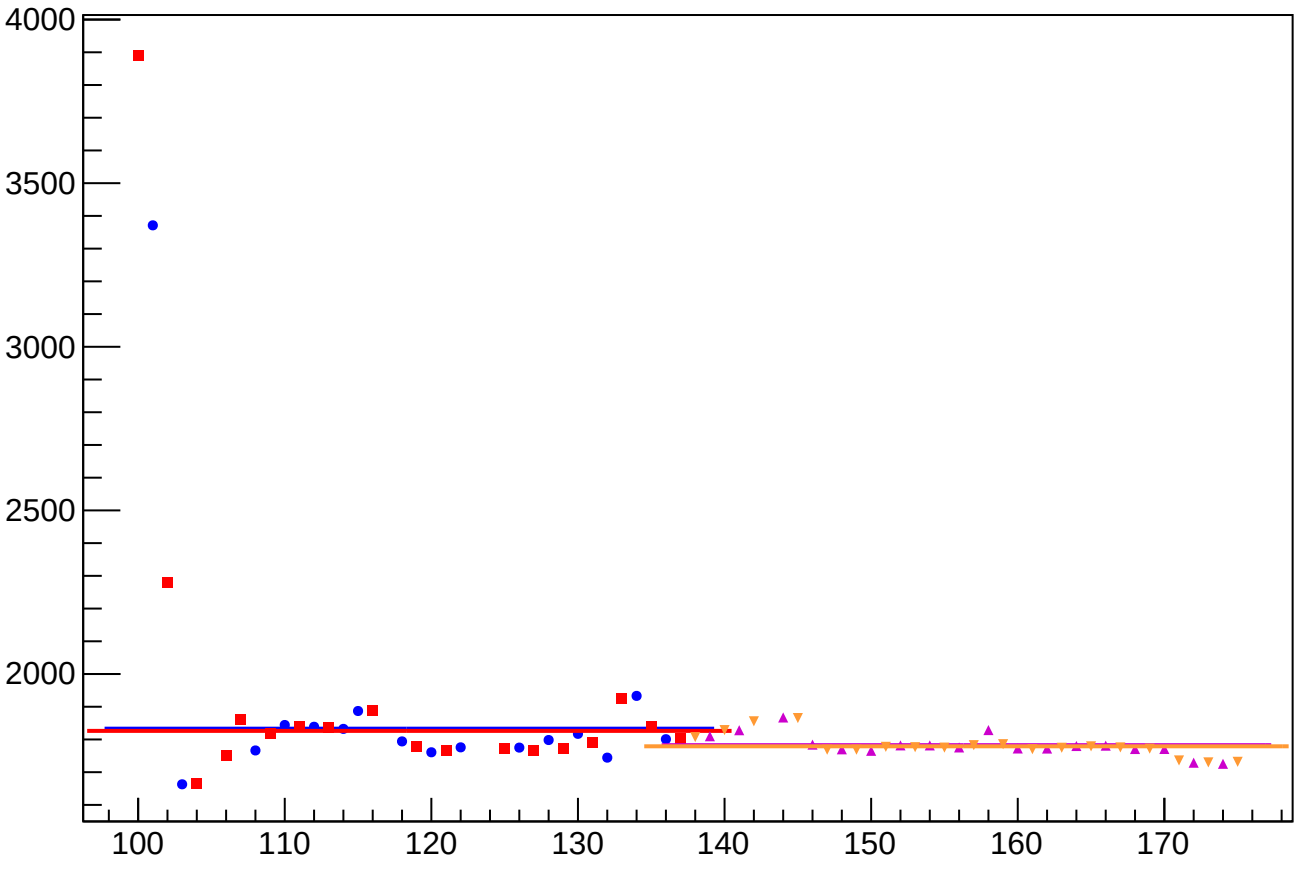
Left: -677.207+/-325.497 χ^2/NDF: 42.4/36

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -895.090+/-383.815 χ^2/NDF:29.9/33

Out: -568.960+/-380.837 χ^2/NDF:33.7/36

All: -730.755+/-270.339 χ^2/NDF: 64.0/70



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

Left: 1780.834+/-0.230 χ^2/NDF: 20666.7/36

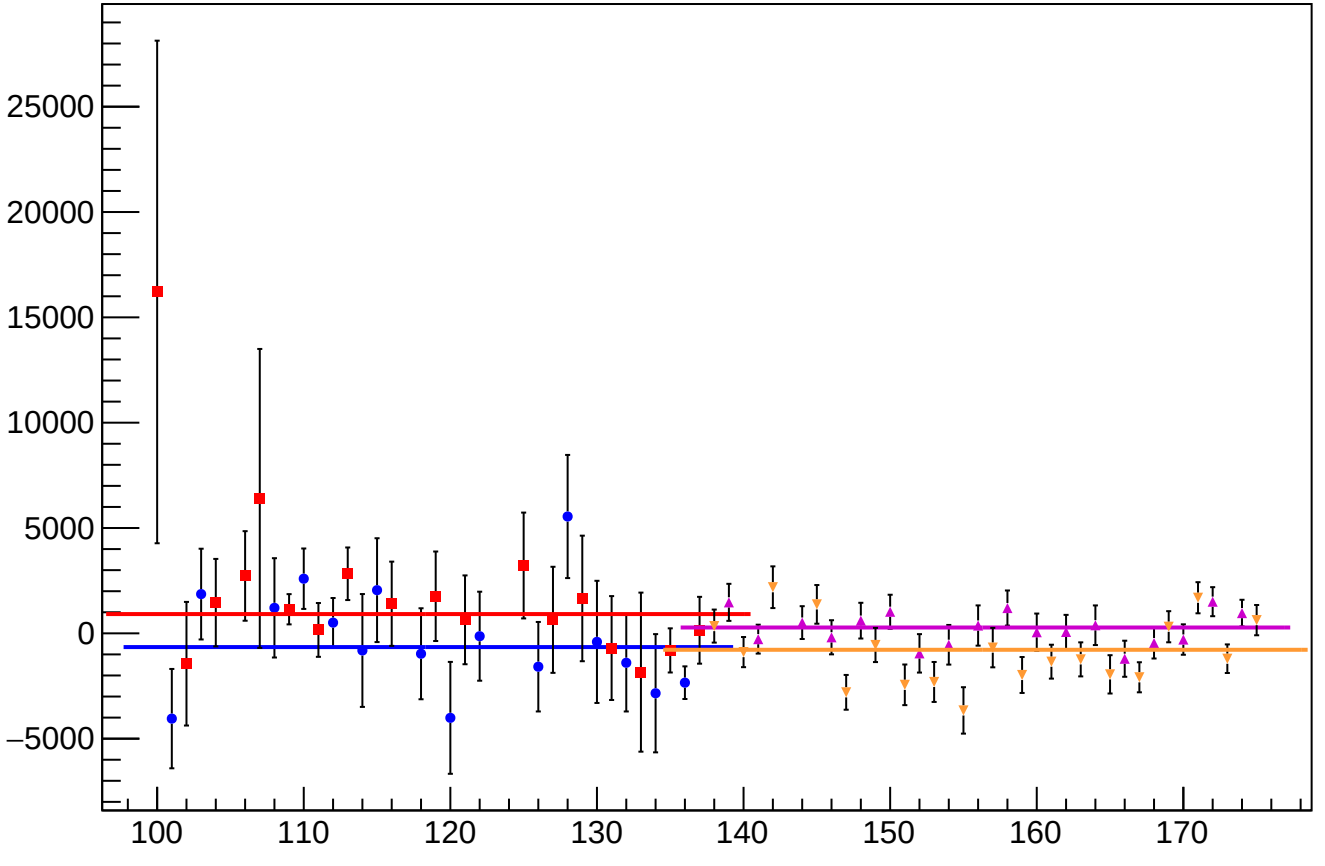
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1798.226+/-0.271 χ^2/NDF:313059.5/33

Out: 1793.701+/-0.269 χ^2/NDF:119907.8/36

All: 1795.946+/-0.191 χ^2/NDF: 433107.4/70

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -780.531+/-187.916 χ^2/NDF:60.4/18

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 277.209+/-188.791 χ^2/NDF:16.8/17

Left: -254.117+/-133.185 χ^2/NDF: 93.0/36

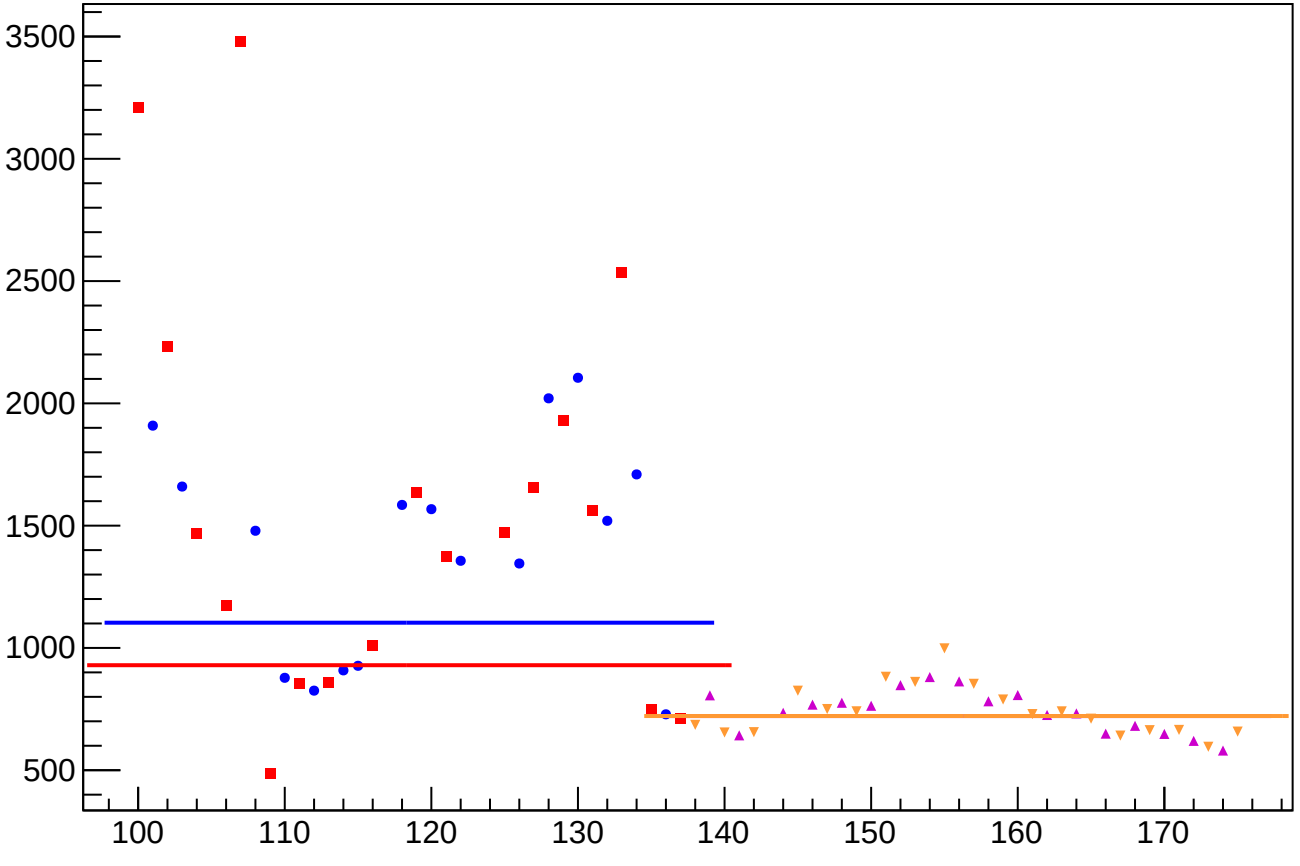
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 133.923+/-173.625 χ^2/NDF:43.8/33

Out: -465.614+/-169.566 χ^2/NDF:87.1/36

All: -172.935+/-121.311 χ^2/NDF: 137.0/70

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 721.576+/-0.133 χ^2/NDF:471803.4/18

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 721.454+/-0.133 χ^2/NDF:418835.6/17

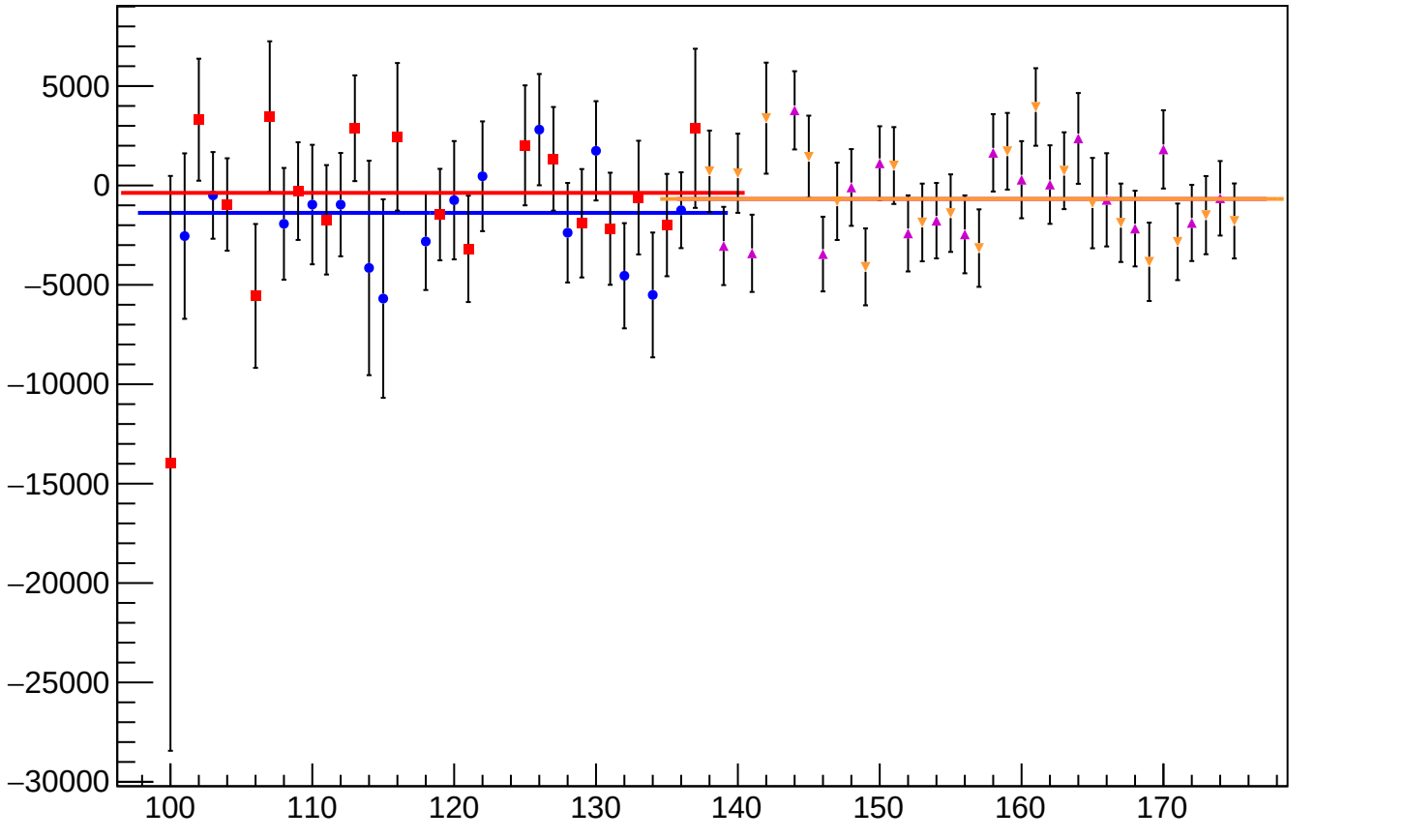
Left: 721.516+/-0.094 χ^2/NDF: 890639.5/36

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 780.321+/-0.123 χ^2/NDF:3557949.7/33

Out: 760.175+/-0.120 χ^2/NDF:3980121.8/36

All: 770.009+/-0.086 χ^2/NDF: 7551853.5/70



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -677.397+/-462.156 χ^2/NDF:19.9/17

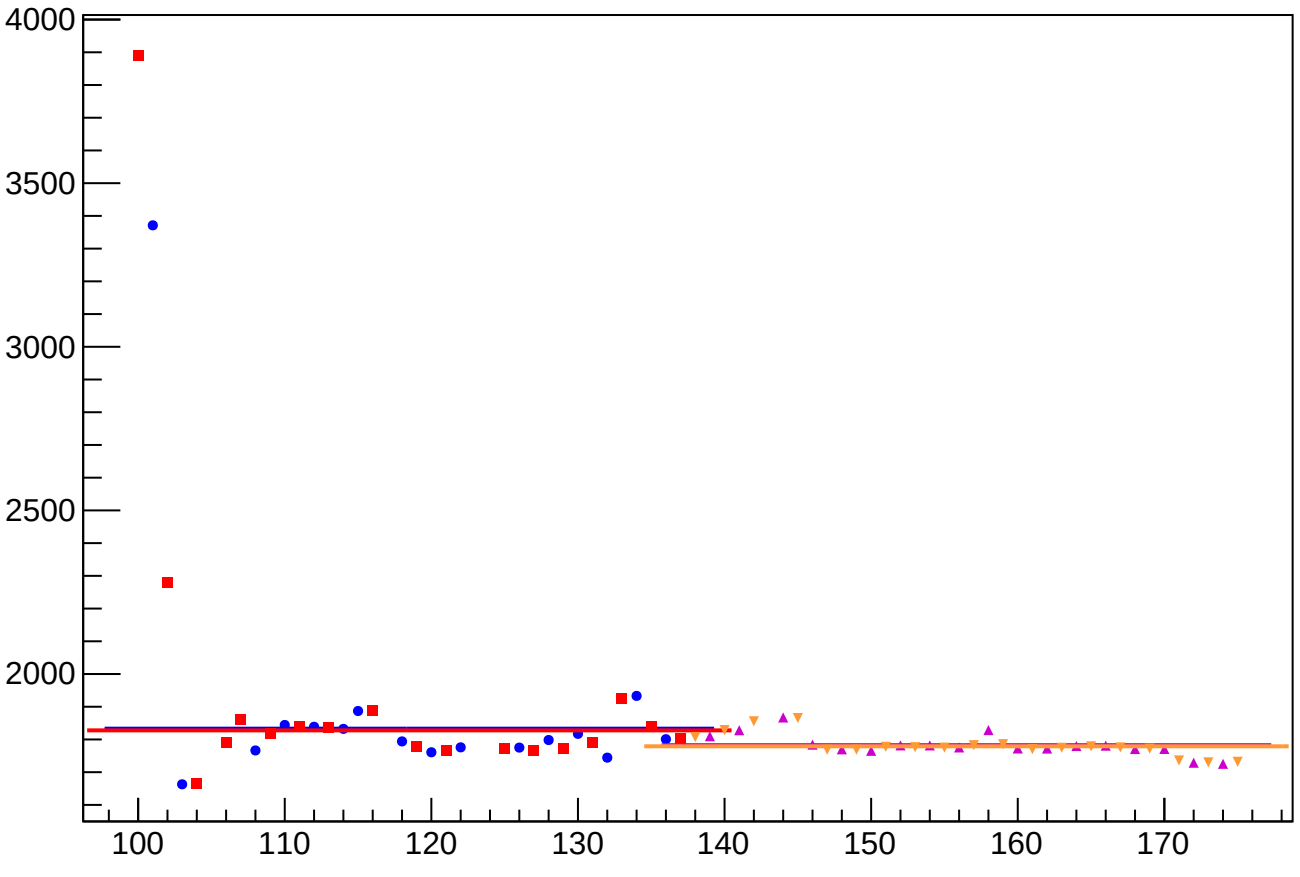
Left: -677.120+/-325.497 χ^2/NDF: 42.4/36

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -894.828+/-383.815 χ^2/NDF:29.9/33

Out: -582.577+/-380.927 χ^2/NDF:34.6/36

All: -737.524+/-270.371 χ^2/NDF: 64.8/70



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

Left: 1780.834+/-0.230 χ^2/NDF: 20666.7/36

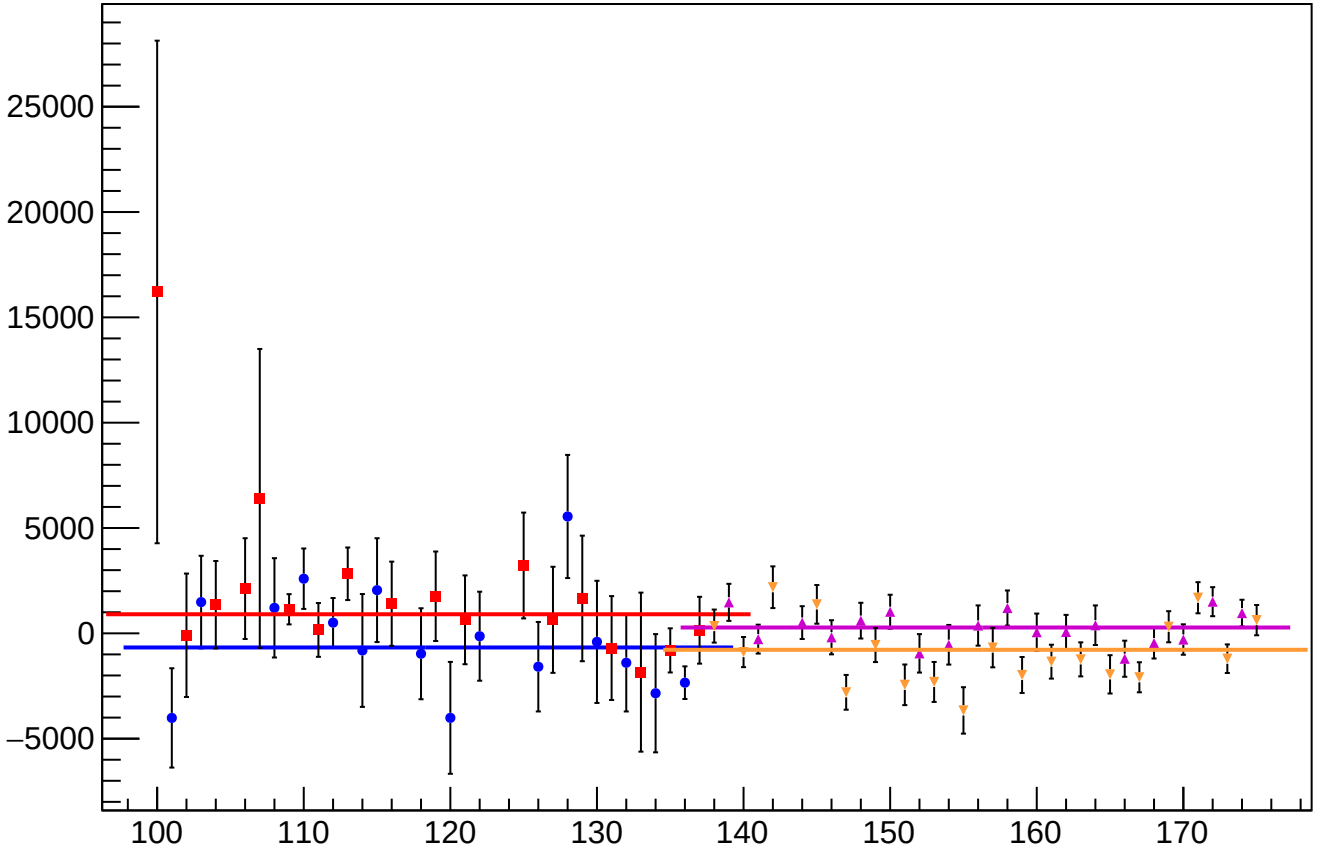
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1798.226+/-0.271 χ^2/NDF:313061.4/33

Out: 1794.175+/-0.269 χ^2/NDF:119609.9/36

All: 1796.185+/-0.191 χ^2/NDF: 432783.6/70

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 277.160+/-188.792 χ^2/NDF:16.8/17

Left: -254.149+/-133.186 χ^2/NDF: 93.0/36

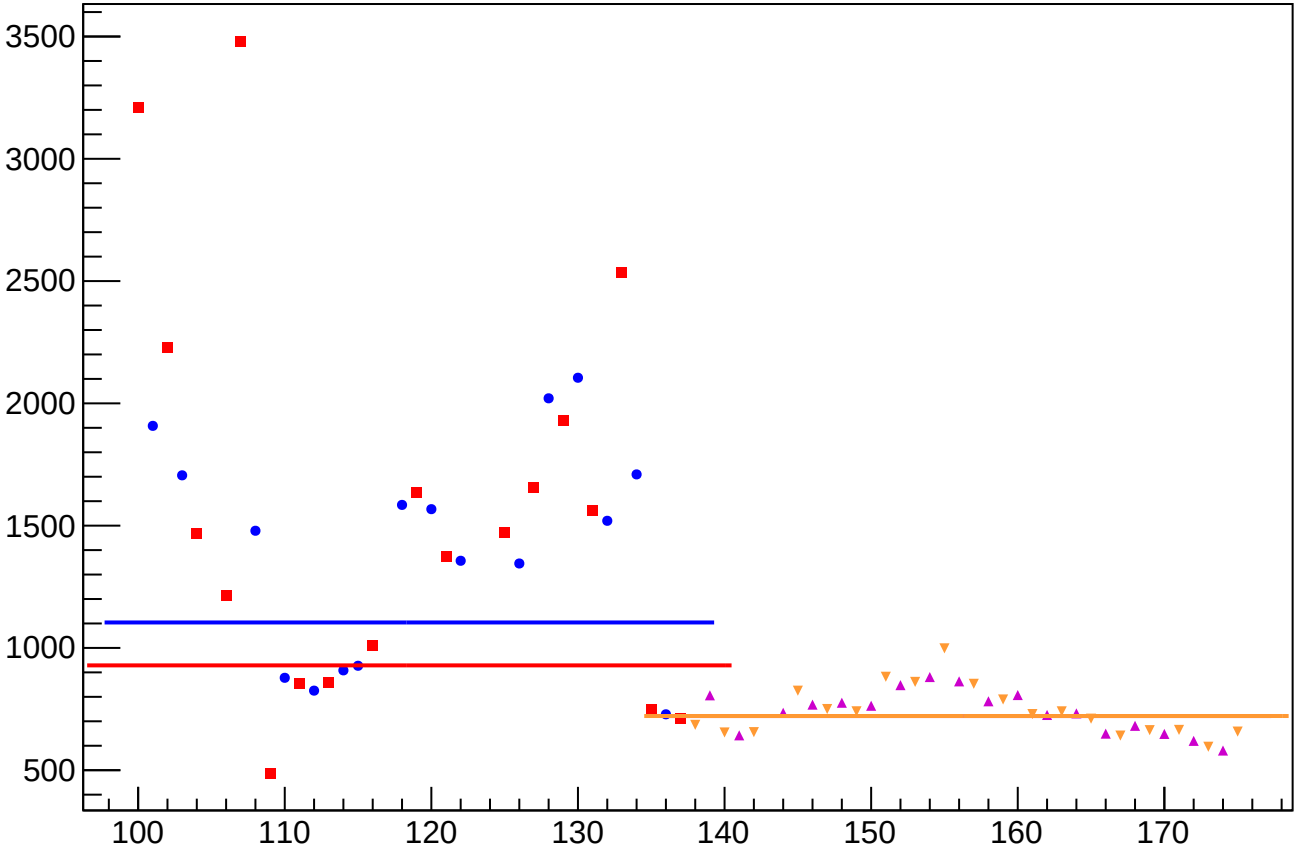
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 131.221+/-173.648 χ^2/NDF:43.5/33

Out: -469.068+/-169.678 χ^2/NDF:85.8/36

All: -175.863+/-121.360 χ^2/NDF: 135.4/70

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

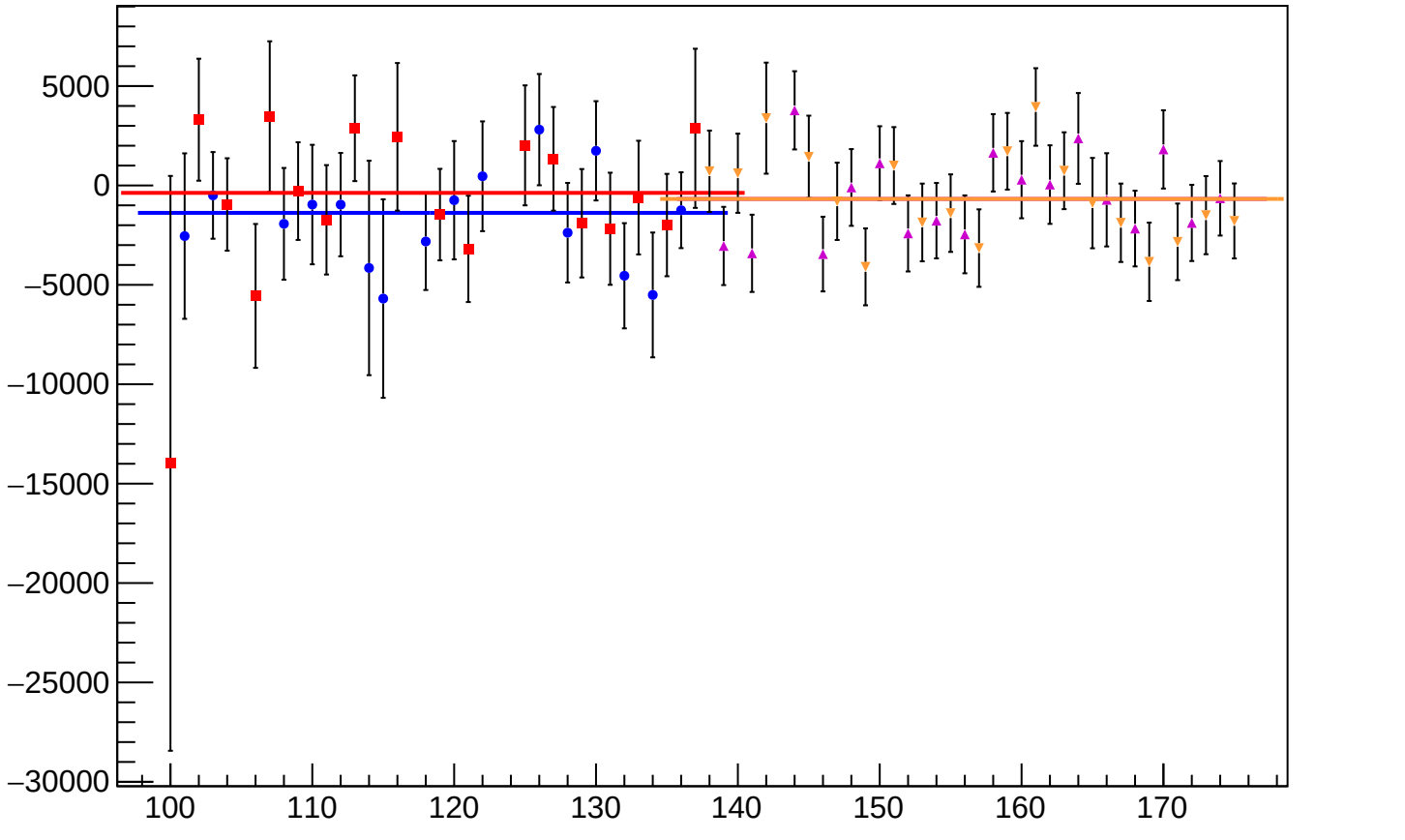
Left: 721.521+/-0.094 χ^2/NDF: 890617.5/36

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 780.383+/-0.123 χ^2/NDF:3578546.5/33

Out: 759.825+/-0.120 χ^2/NDF:3974560.8/36

All: 769.866+/-0.086 χ^2/NDF: 7567446.7/70



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -677.397+/-462.156 χ^2/NDF:19.9/17

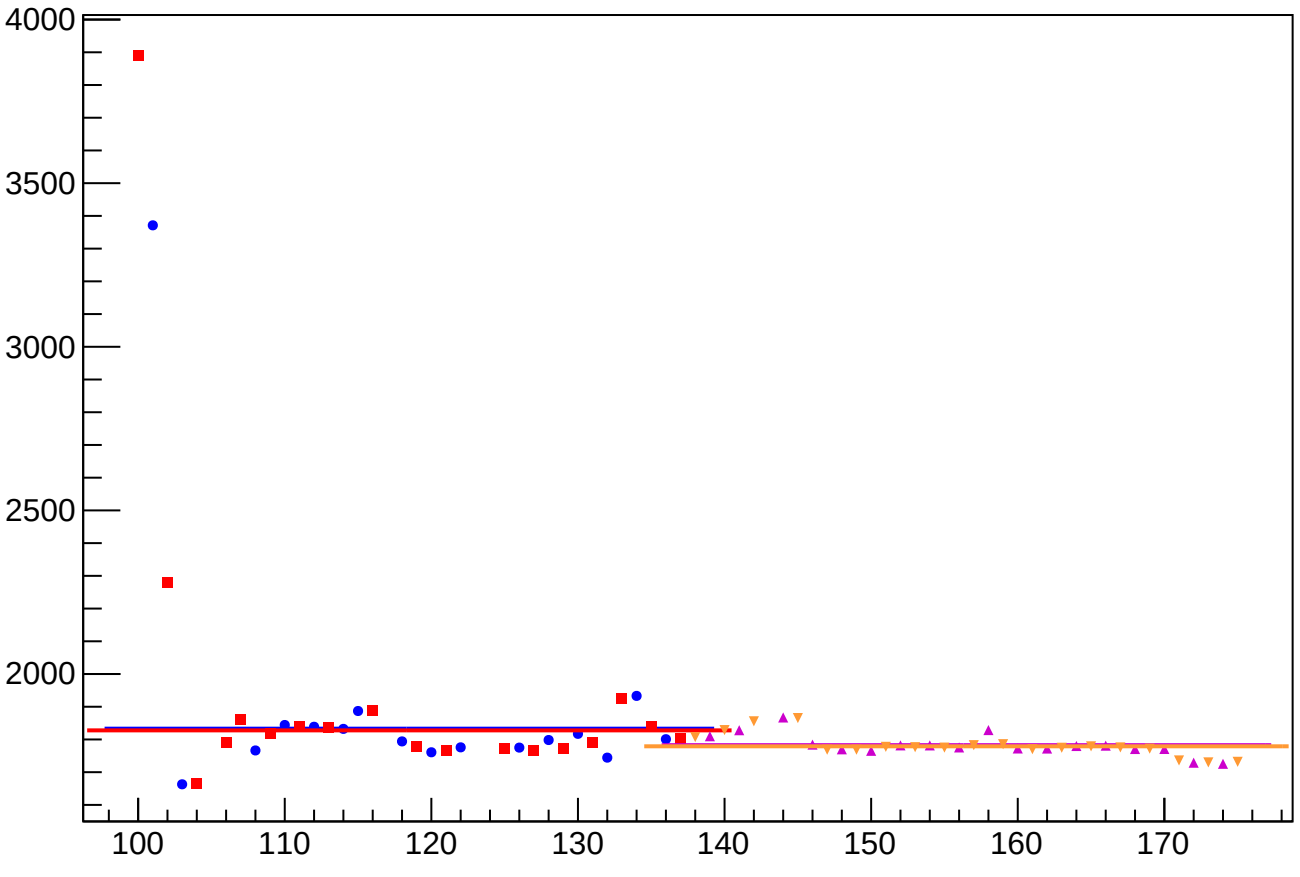
Left: -677.120+/-325.497 χ^2/NDF: 42.4/36

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -894.828+/-383.815 χ^2/NDF:29.9/33

Out: -582.577+/-380.927 χ^2/NDF:34.6/36

All: -737.524+/-270.371 χ^2/NDF: 64.8/70



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

Left: 1780.834+/-0.230 χ^2/NDF: 20666.7/36

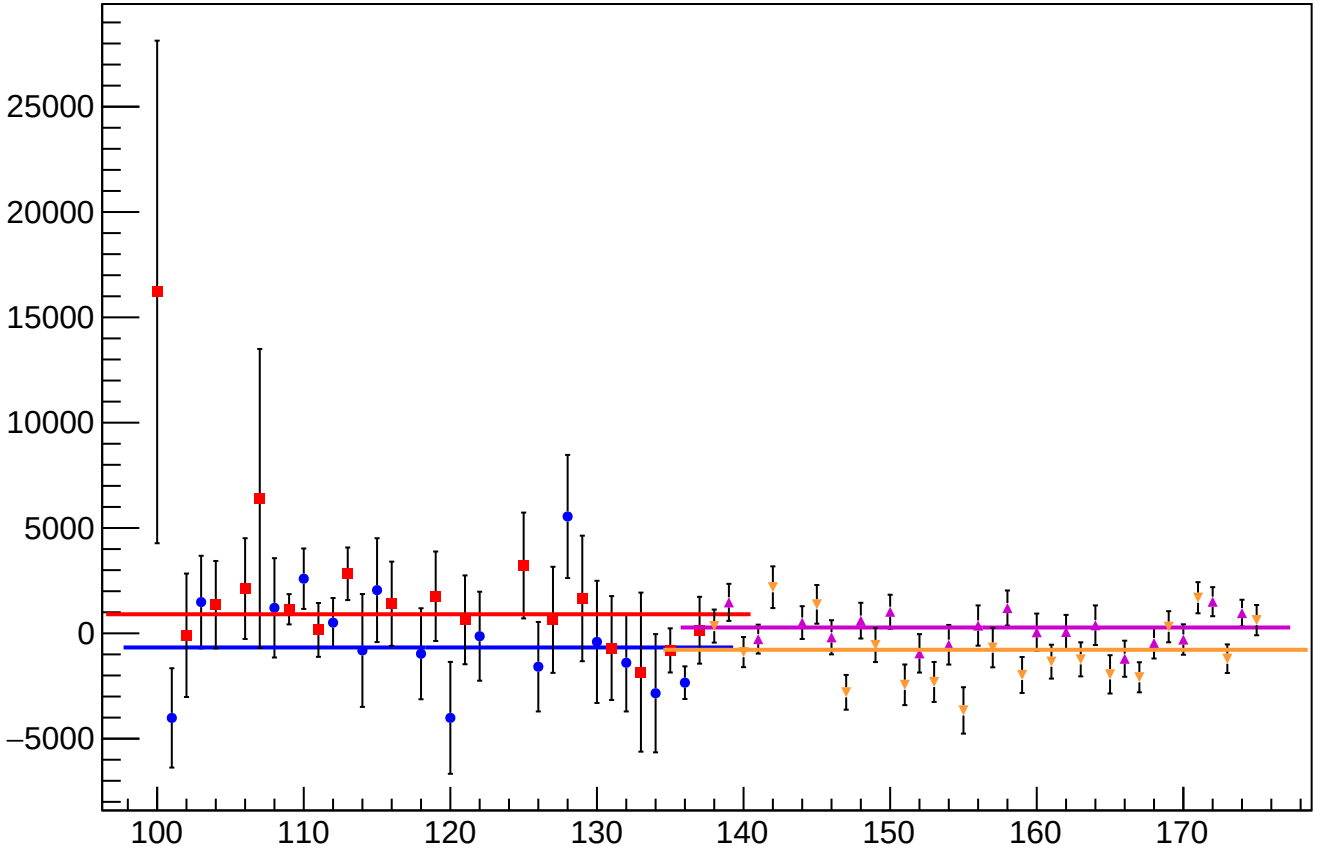
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1798.226+/-0.271 χ^2/NDF:313061.4/33

Out: 1794.175+/-0.269 χ^2/NDF:119609.9/36

All: 1796.185+/-0.191 χ^2/NDF: 432783.6/70

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 277.160+/-188.792 χ^2/NDF:16.8/17

Left: -254.149+/-133.186 χ^2/NDF: 93.0/36

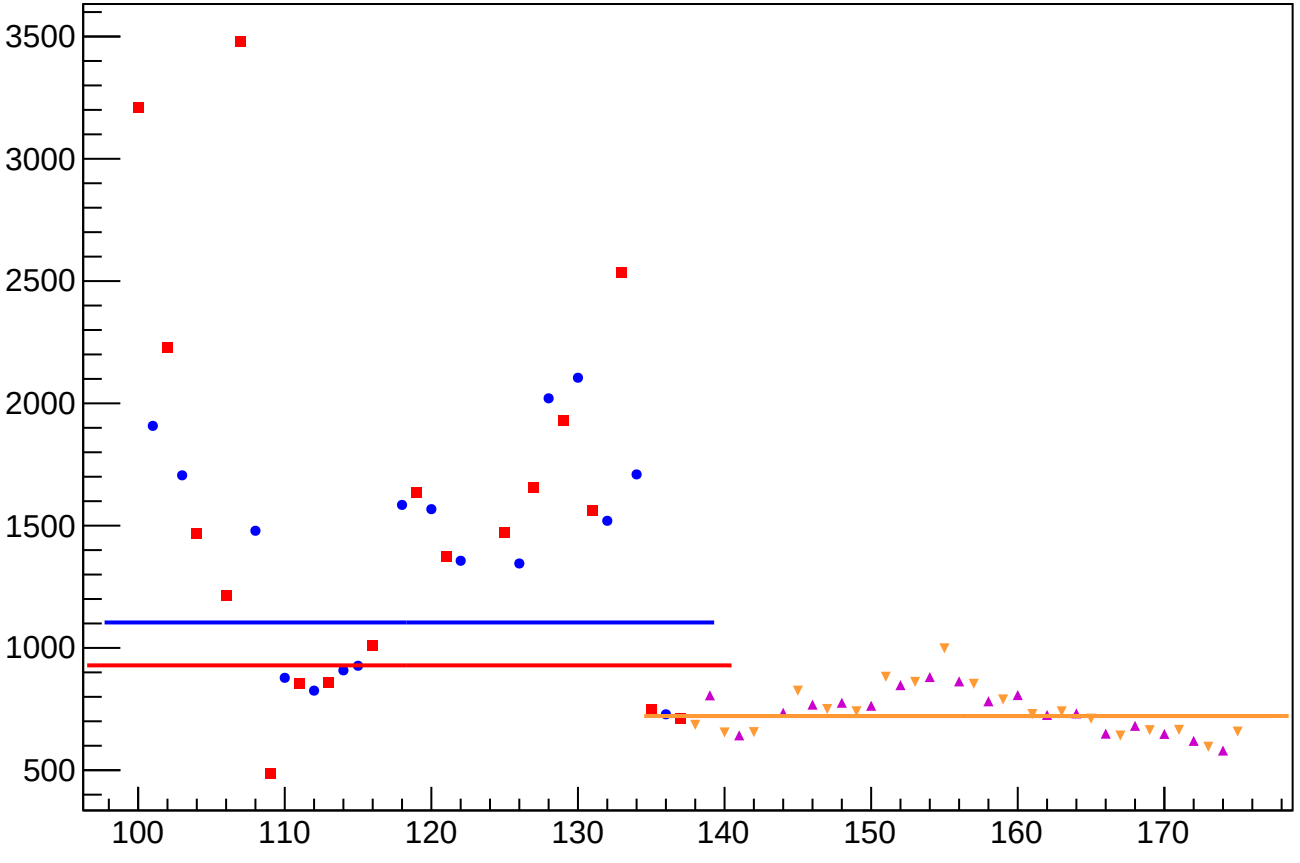
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 131.221+/-173.648 χ^2/NDF:43.5/33

Out: -469.068+/-169.678 χ^2/NDF:85.8/36

All: -175.863+/-121.360 χ^2/NDF: 135.4/70

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

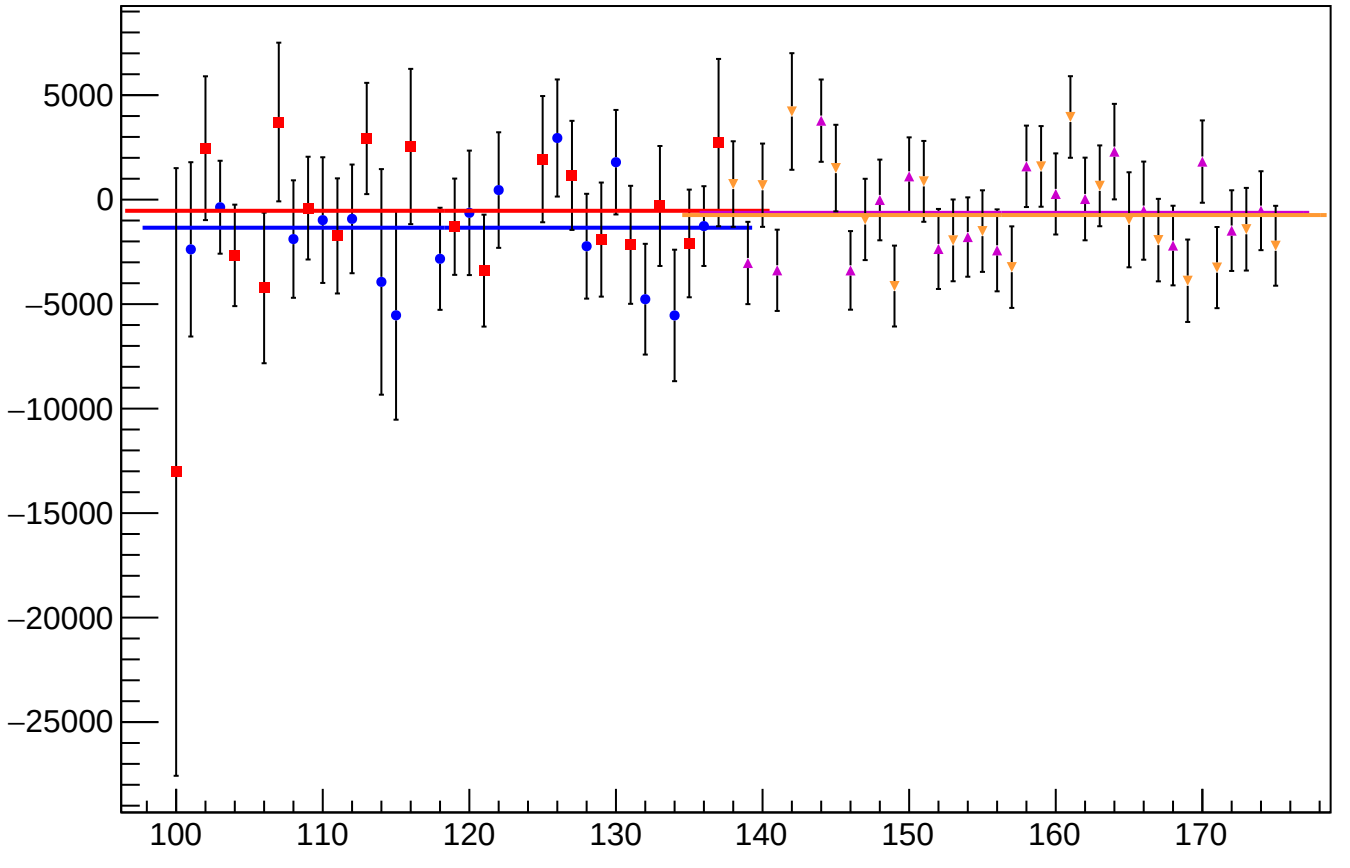
Left: 721.521+/-0.094 χ^2/NDF: 890617.5/36

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 780.383+/-0.123 χ^2/NDF:3578546.5/33

Out: 759.825+/-0.120 χ^2/NDF:3974560.8/36

All: 769.866+/-0.086 χ^2/NDF: 7567446.7/70



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -738.230+/-459.463 χ^2/NDF:24.4/18

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -632.379+/-462.819 χ^2/NDF:19.4/17

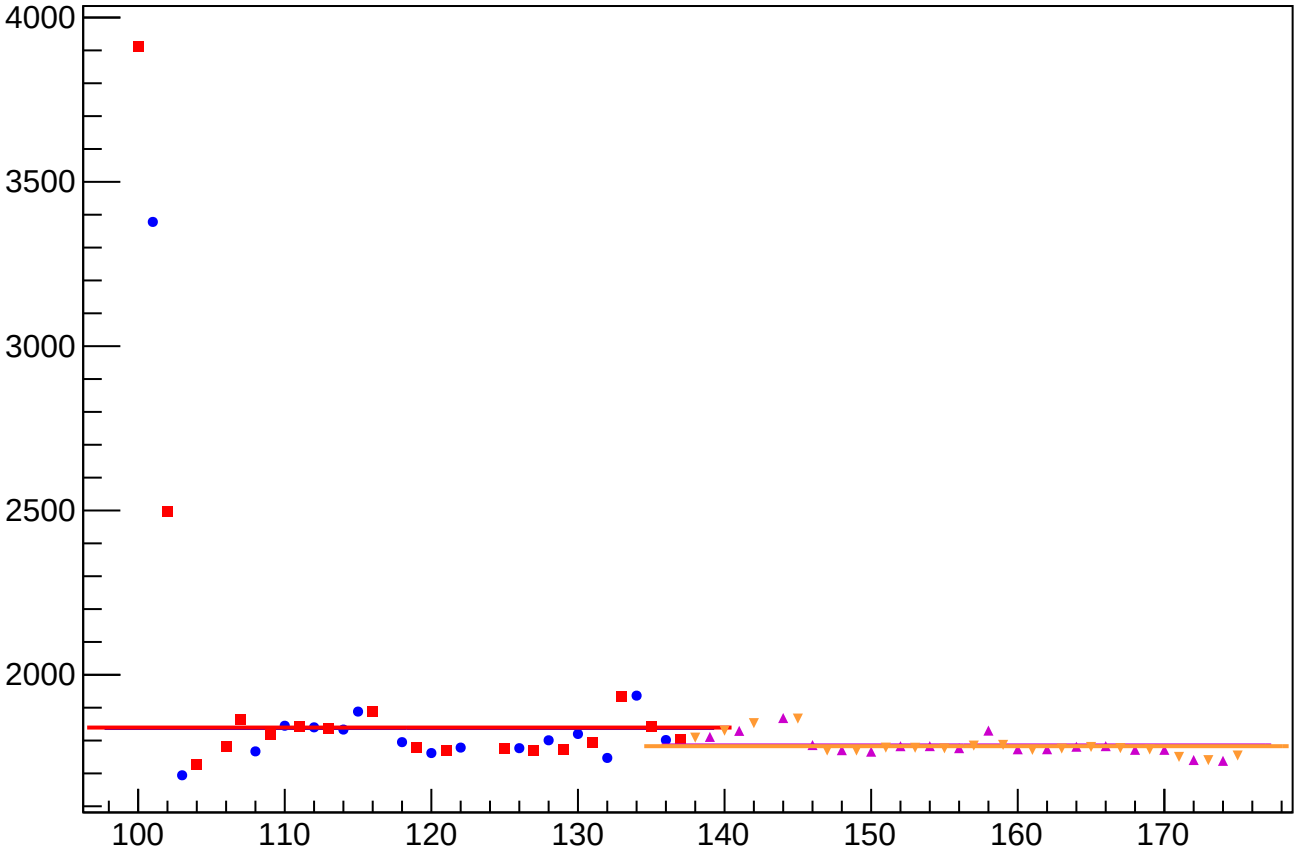
Left: -685.690+/-326.070 χ^2/NDF: 43.8/36

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -852.767+/-384.525 χ^2/NDF:29.7/33

Out: -675.673+/-382.599 χ^2/NDF:35.6/36

All: -763.775+/-271.217 χ^2/NDF: 65.4/70



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

Left: 1784.011+/-0.231 χ^2/NDF: 17380.2/36

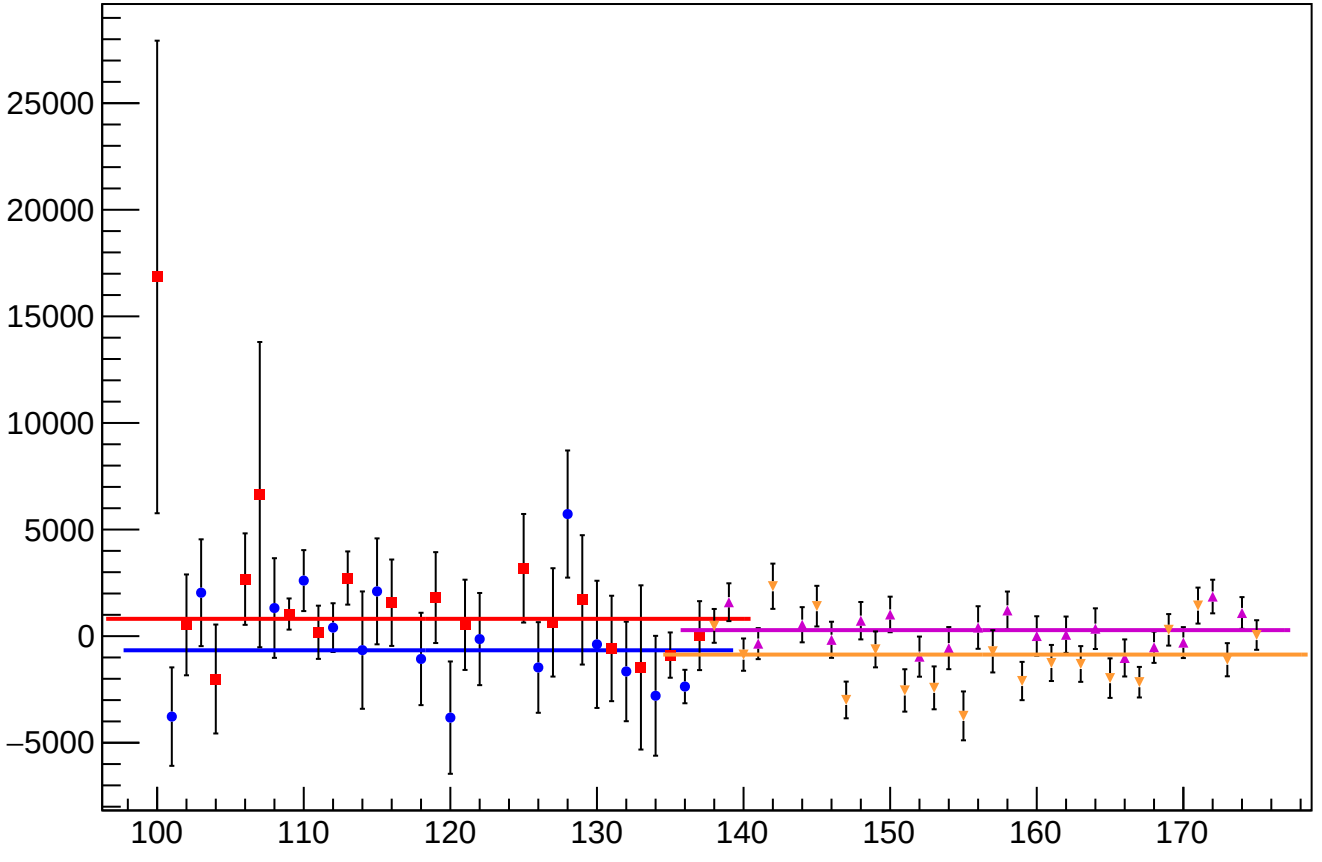
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.602+/-0.272 χ^2/NDF:309120.5/33

Out: 1800.217+/-0.271 χ^2/NDF:145913.1/36

All: 1800.906+/-0.192 χ^2/NDF: 455046.6/70

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -864.284+/-196.134 χ^2/NDF:54.3/18

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 282.355+/-198.703 χ^2/NDF:17.4/17

Left: -298.426+/-139.587 χ^2/NDF: 88.5/36

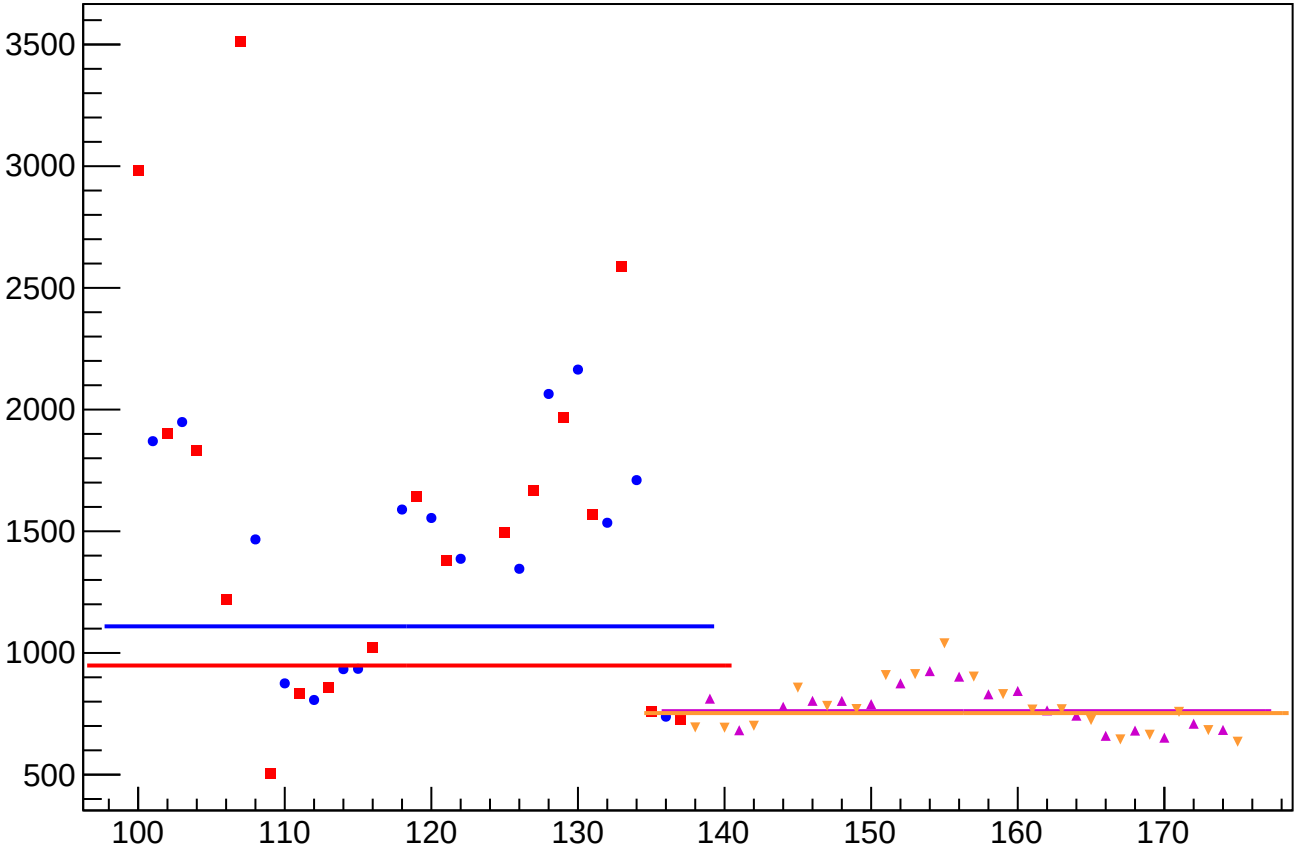
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 125.651+/-181.498 χ^2/NDF:43.9/33

Out: -535.627+/-175.861 χ^2/NDF:80.9/36

All: -215.417+/-126.298 χ^2/NDF: 131.6/70

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 752.958+/-0.139 χ^2/NDF:492800.1/18

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 760.856+/-0.141 χ^2/NDF:323190.4/17

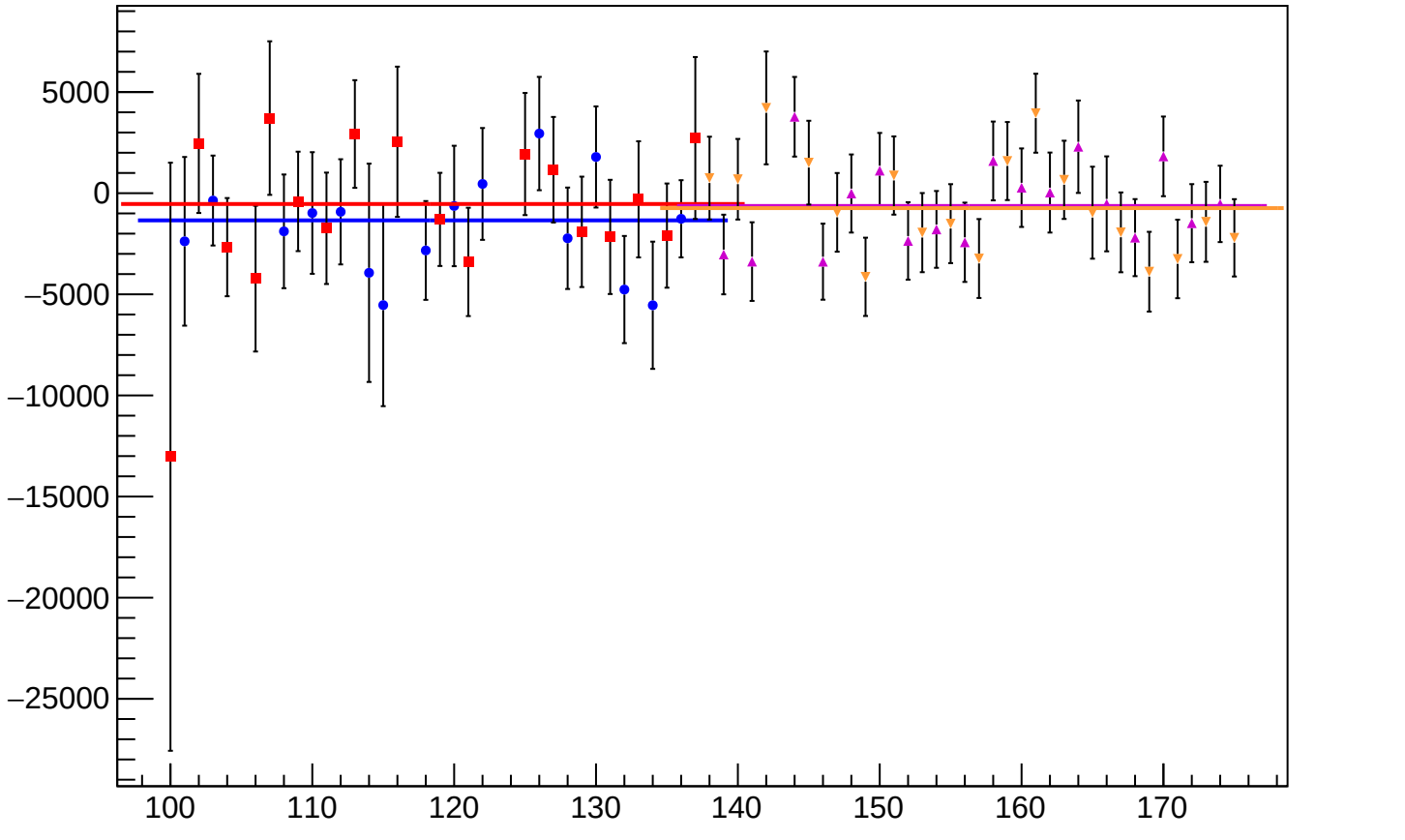
Left: 756.855+/-0.099 χ^2/NDF: 817591.1/36

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 818.595+/-0.128 χ^2/NDF:3315856.9/33

Out: 791.280+/-0.124 χ^2/NDF:3935947.0/36

All: 804.507+/-0.089 χ^2/NDF: 7275168.3/70



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -738.229+/-459.463 χ^2/NDF:24.4/18

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -632.379+/-462.819 χ^2/NDF:19.4/17

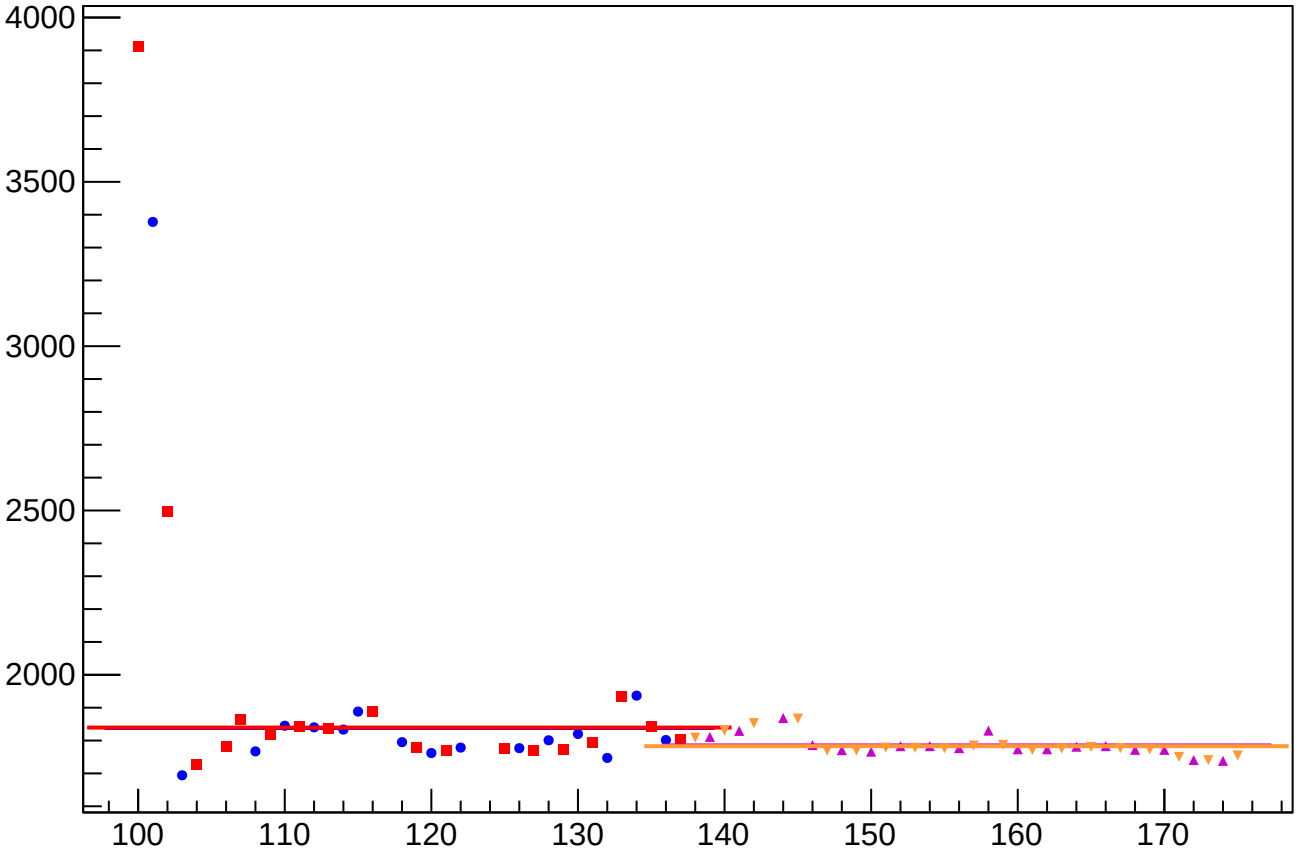
Left: -685.689+/-326.070 χ^2/NDF: 43.8/36

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -852.767+/-384.525 χ^2/NDF:29.7/33

Out: -675.674+/-382.599 χ^2/NDF:35.6/36

All: -763.776+/-271.217 χ^2/NDF: 65.4/70



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

Left: 1784.011+/-0.231 χ^2/NDF: 17380.3/36

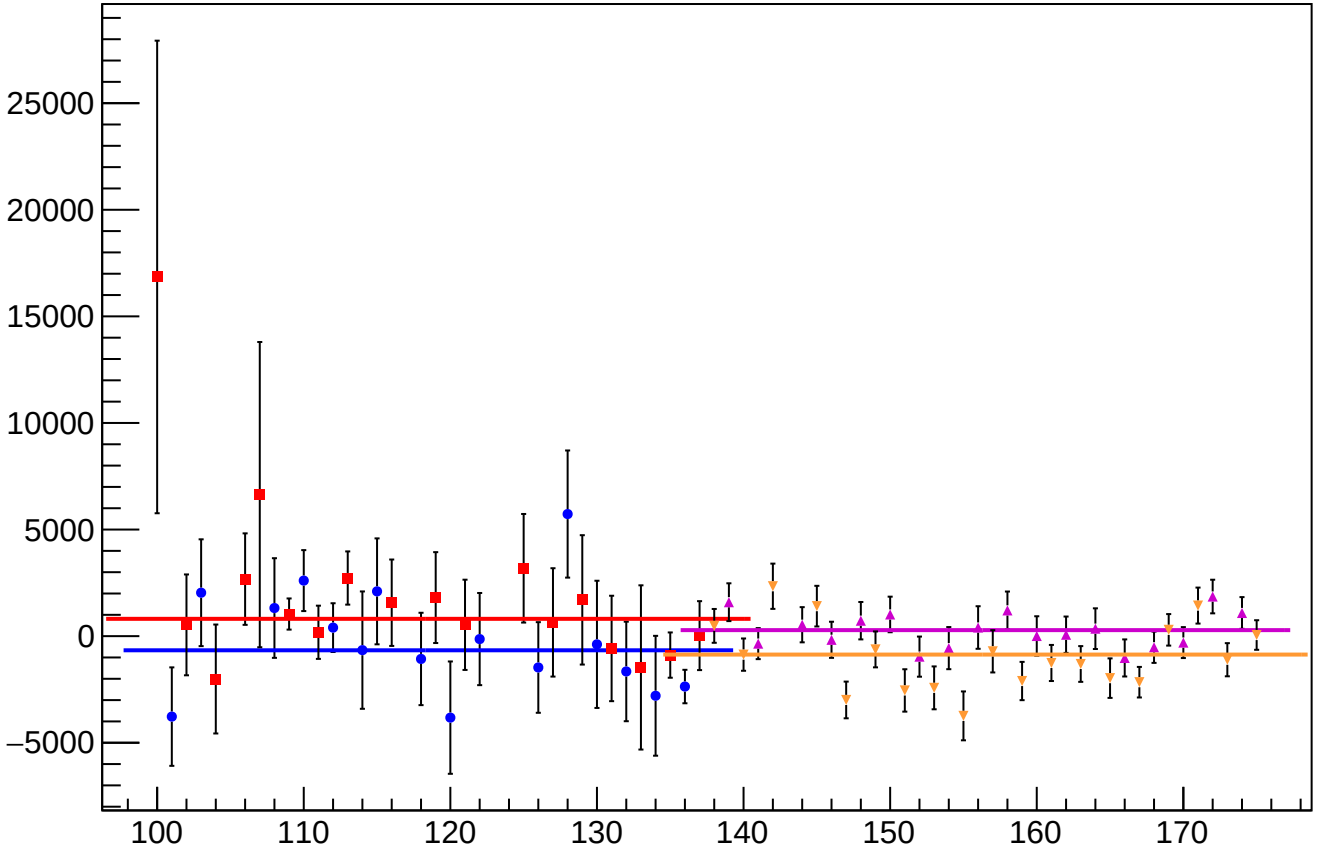
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.602+/-0.272 χ^2/NDF:309120.5/33

Out: 1800.217+/-0.271 χ^2/NDF:145913.2/36

All: 1800.906+/-0.192 χ^2/NDF: 455046.7/70

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -864.287+/-196.134 χ^2/NDF:54.3/18

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 282.352+/-198.703 χ^2/NDF:17.4/17

Left: -298.428+/-139.587 χ^2/NDF: 88.5/36

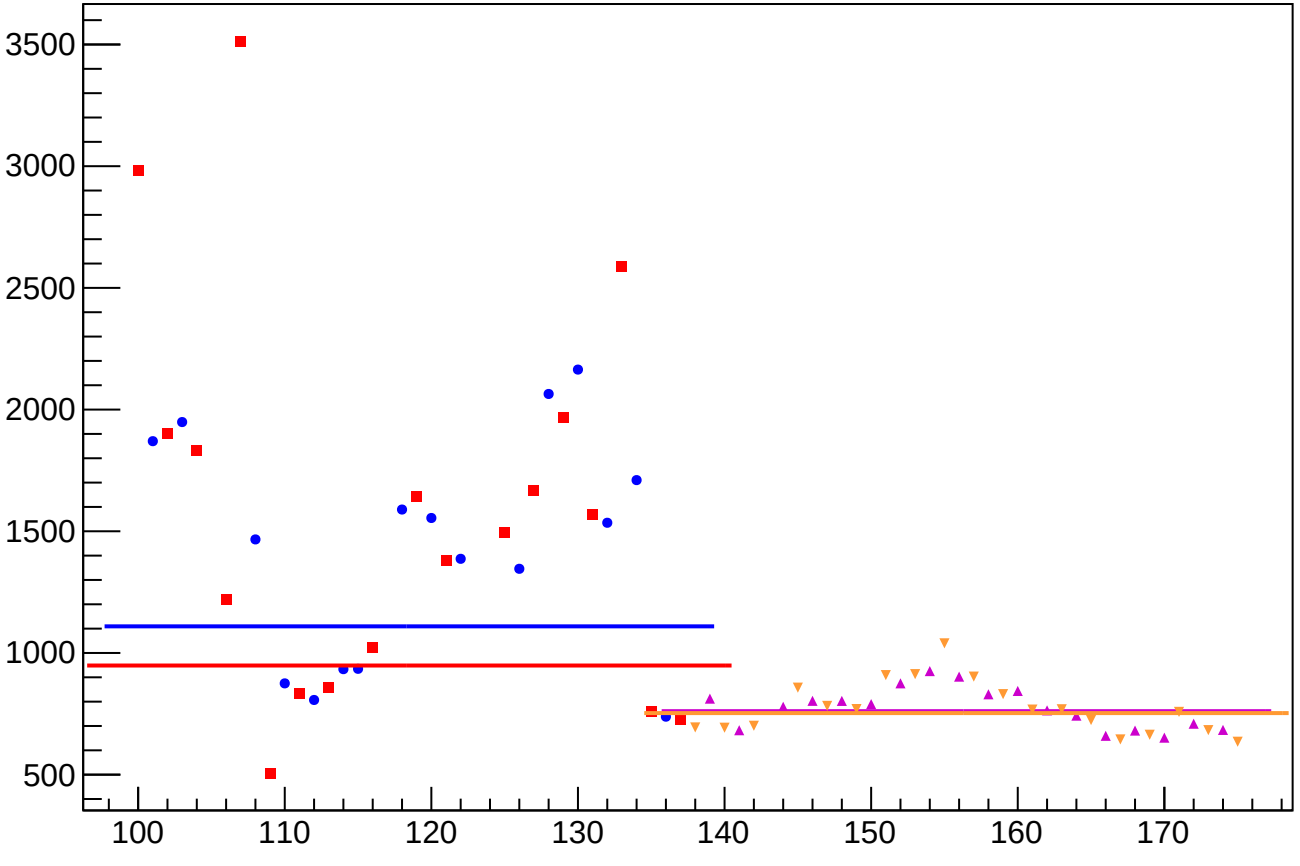
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 125.651+/-181.498 χ^2/NDF:43.9/33

Out: -535.628+/-175.861 χ^2/NDF:80.9/36

All: -215.417+/-126.298 χ^2/NDF: 131.6/70

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 752.958+/-0.139 χ^2/NDF:492793.2/18

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 760.856+/-0.141 χ^2/NDF:323198.2/17

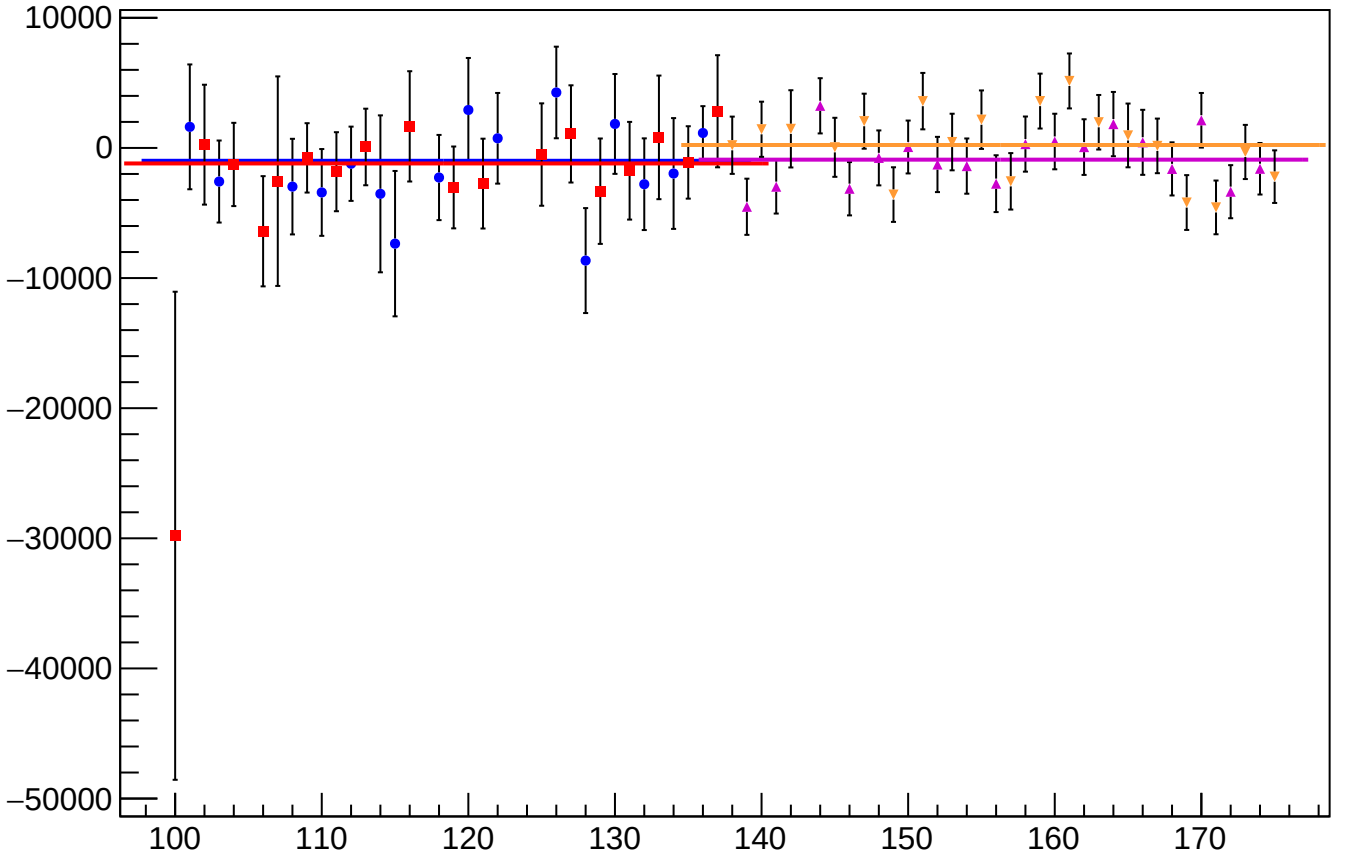
Left: 756.856+/-0.099 χ^2/NDF: 817591.7/36

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 818.595+/-0.128 χ^2/NDF:3315841.5/33

Out: 791.281+/-0.124 χ^2/NDF:3935920.5/36

All: 804.507+/-0.089 χ^2/NDF: 7275125.1/70



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 226.040+/-498.240 χ^2/NDF:29.5/18

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -900.280+/-501.440 χ^2/NDF:16.1/17

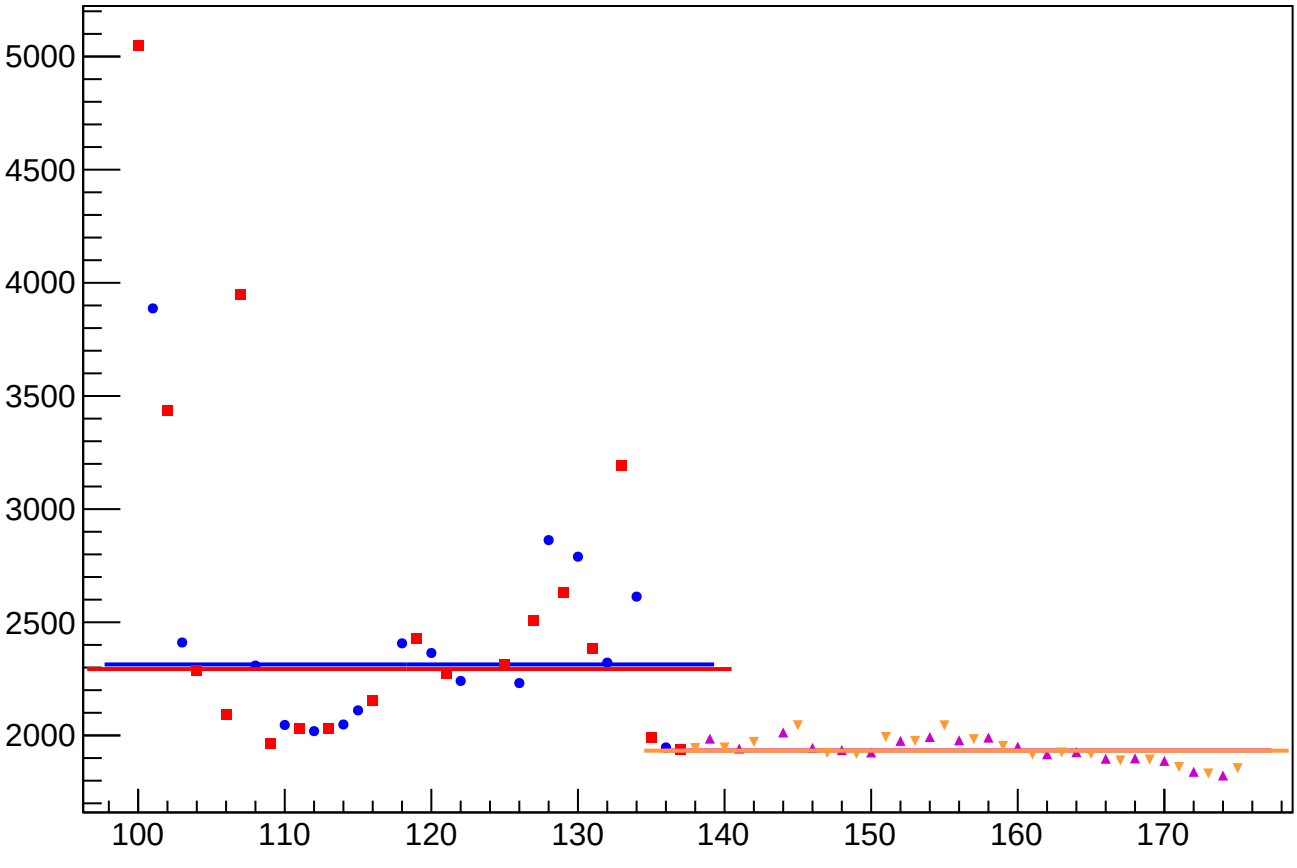
Left: -333.515+/-353.435 χ^2/NDF: 48.1/36

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -921.894+/-434.920 χ^2/NDF:28.1/33

Out: -123.958+/-432.411 χ^2/NDF:38.5/36

All: -520.618+/-306.644 χ^2/NDF: 68.2/70



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1932.662+/-0.352 χ^2/NDF:25943.8/18

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1933.659+/-0.355 χ^2/NDF:21525.4/17

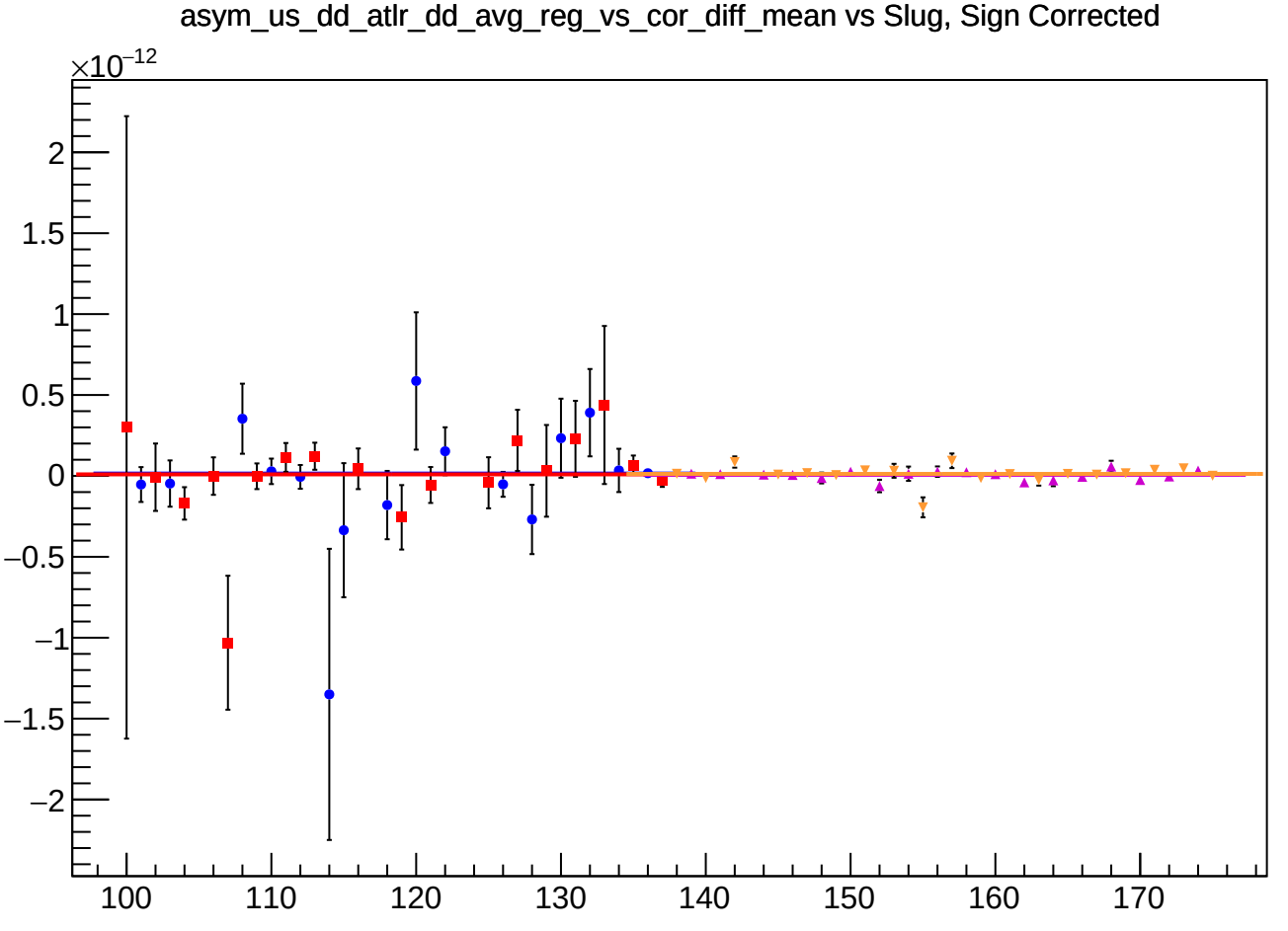
Left: 1933.157+/-0.250 χ^2/NDF: 47473.2/36

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2027.812+/-0.308 χ^2/NDF:708927.3/33

Out: 2021.658+/-0.306 χ^2/NDF:737706.6/36

All: 2024.717+/-0.217 χ^2/NDF: 1446835.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:14.7/17

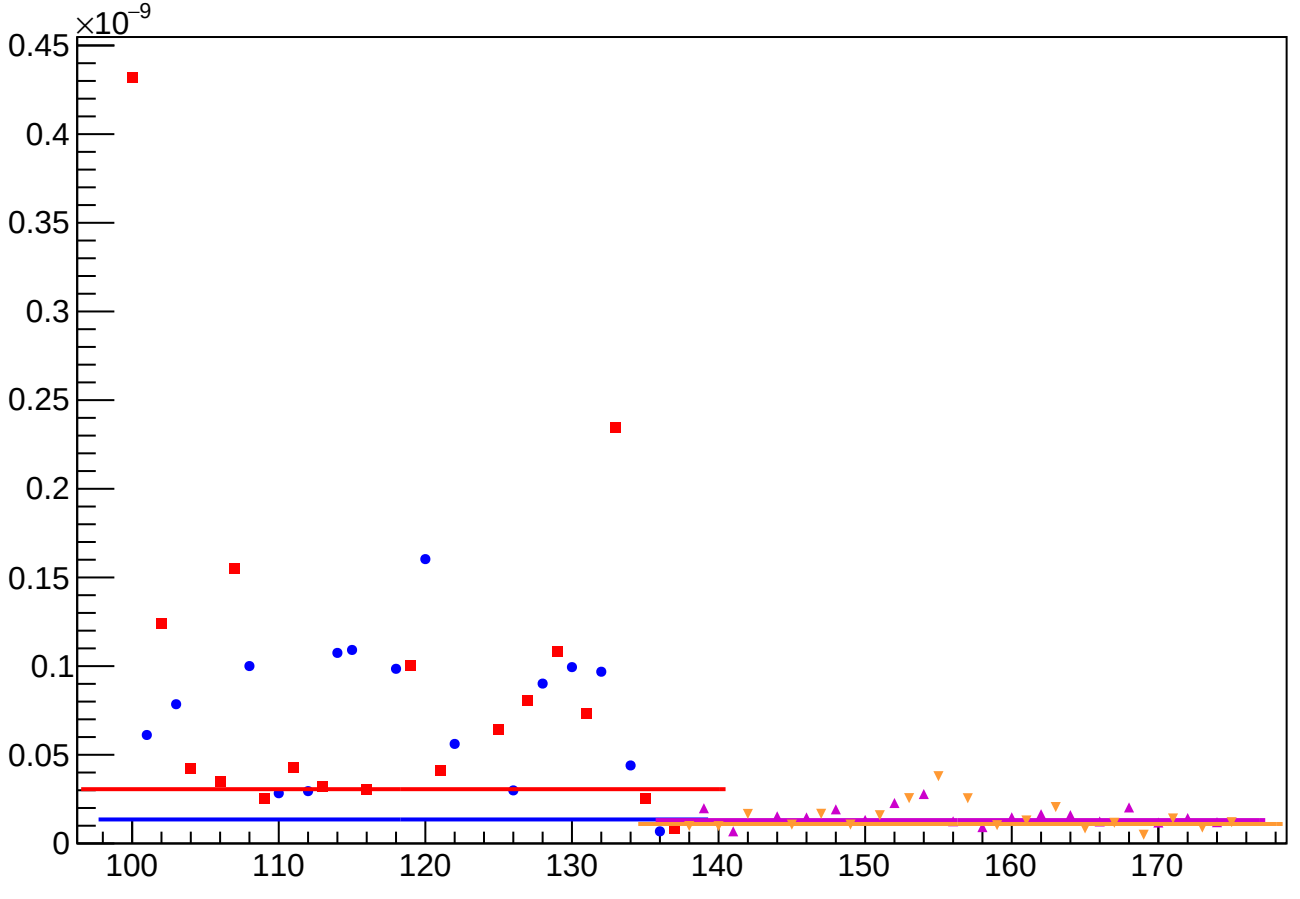
Left: 0.000+/-0.000 χ^2/NDF: 44.1/36

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:30.0/33

Out: 0.000+/-0.000 χ^2/NDF:48.4/36

All: 0.000+/-0.000 χ^2/NDF: 78.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1727983.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1148249.6/17

Left: 0.000+/-0.000 χ^2/NDF: 3027666.3/36

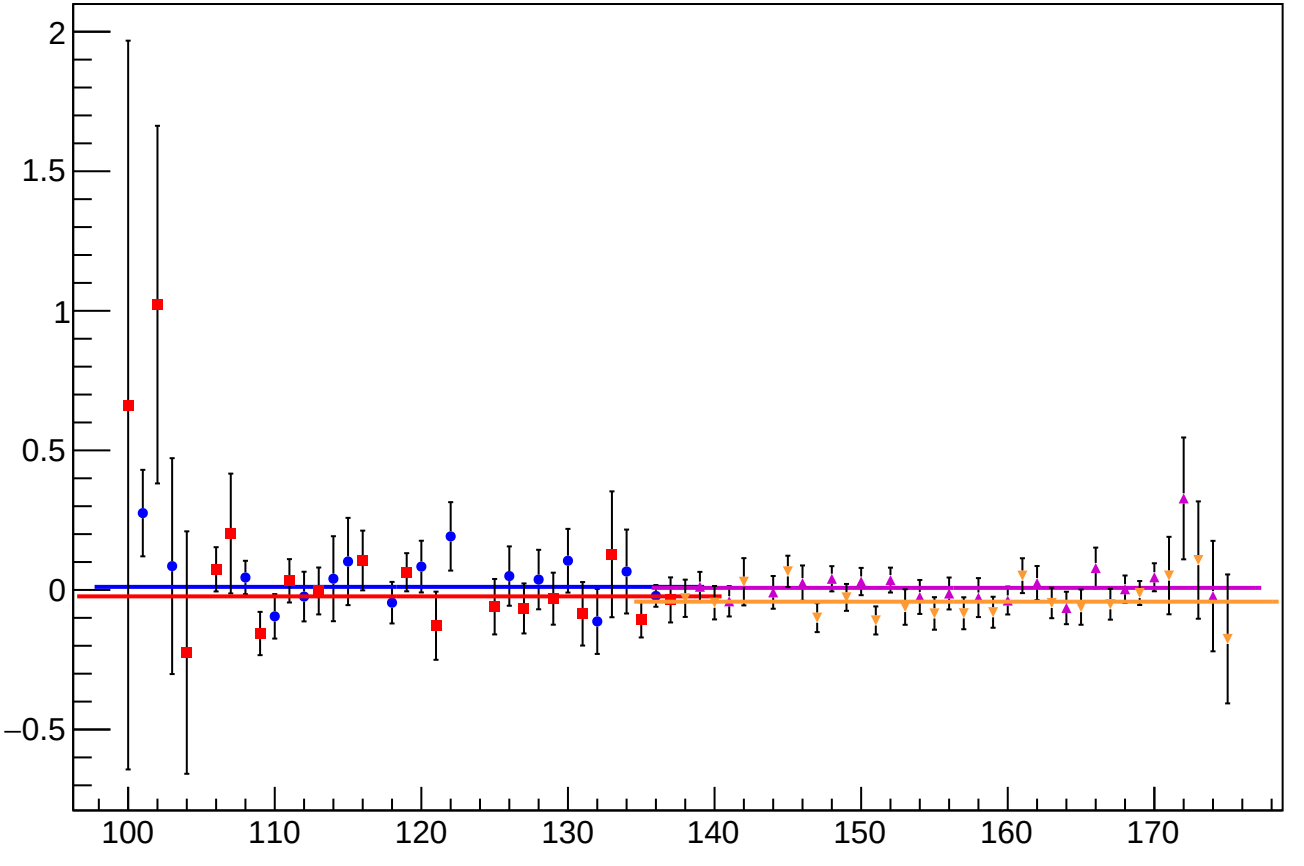
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4565410.6/33

Out: 0.000+/-0.000 χ^2/NDF:5345433.9/36

All: 0.000+/-0.000 χ^2/NDF: 9977711.3/70

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

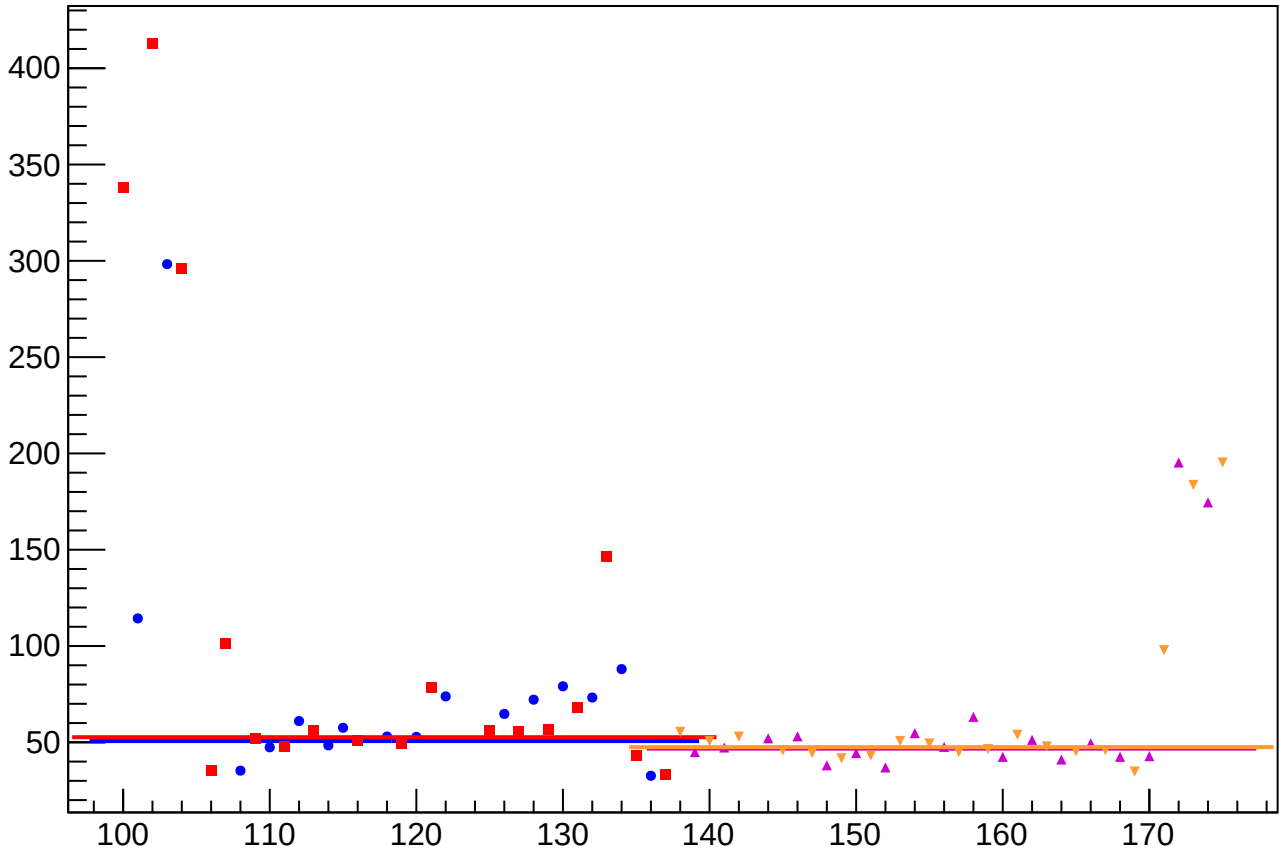
Left: -0.017+/-0.010 χ^2/NDF: 28.7/36

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 57.9/70



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228326.2/18

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

Left: 47.096+/-0.007 χ^2/NDF: 4427818.8/36

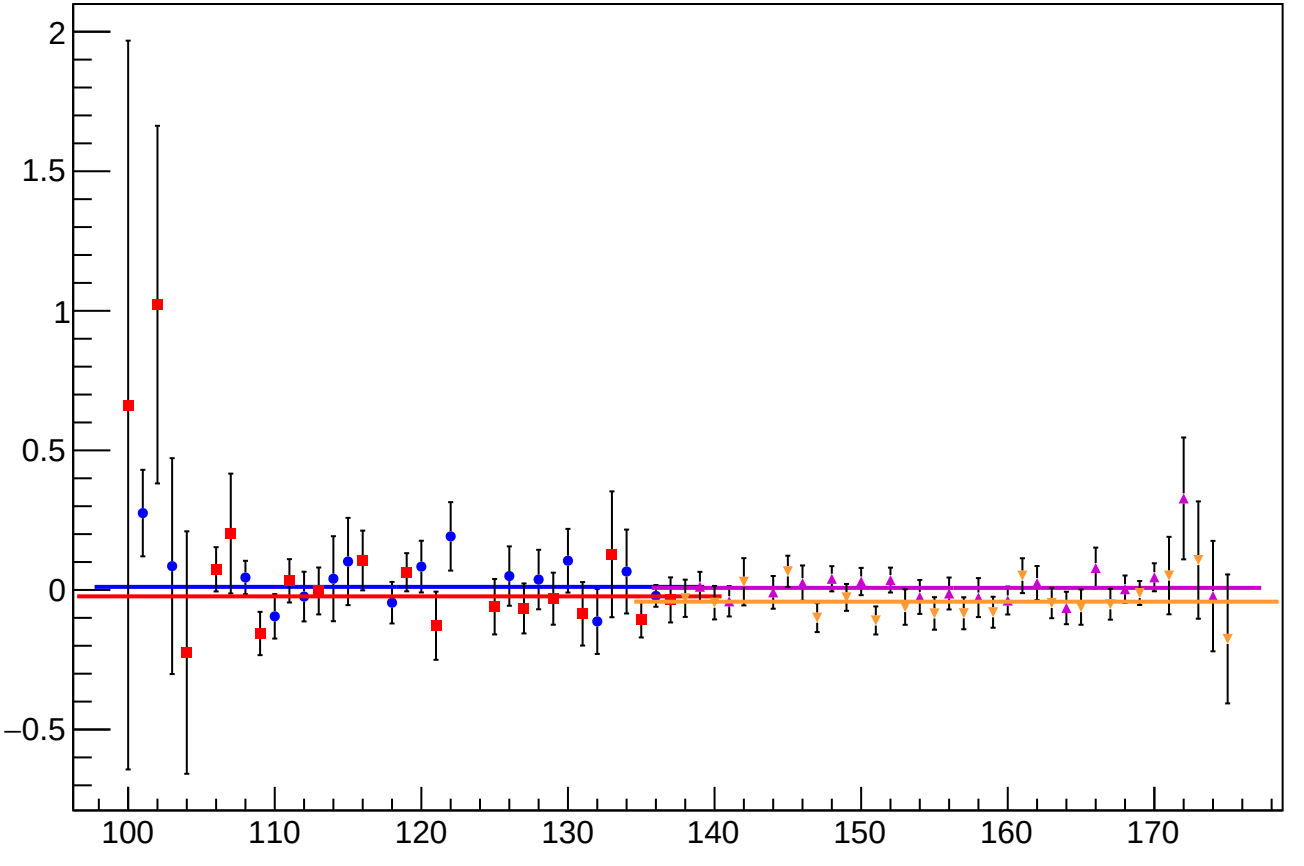
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.804+/-0.008 χ^2/NDF:4509359.6/33

Out: 48.882+/-0.008 χ^2/NDF:4513404.3/36

All: 48.324+/-0.006 χ^2/NDF: 9031208.5/70

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

Left: -0.017+/-0.010 χ^2/NDF: 28.7/36

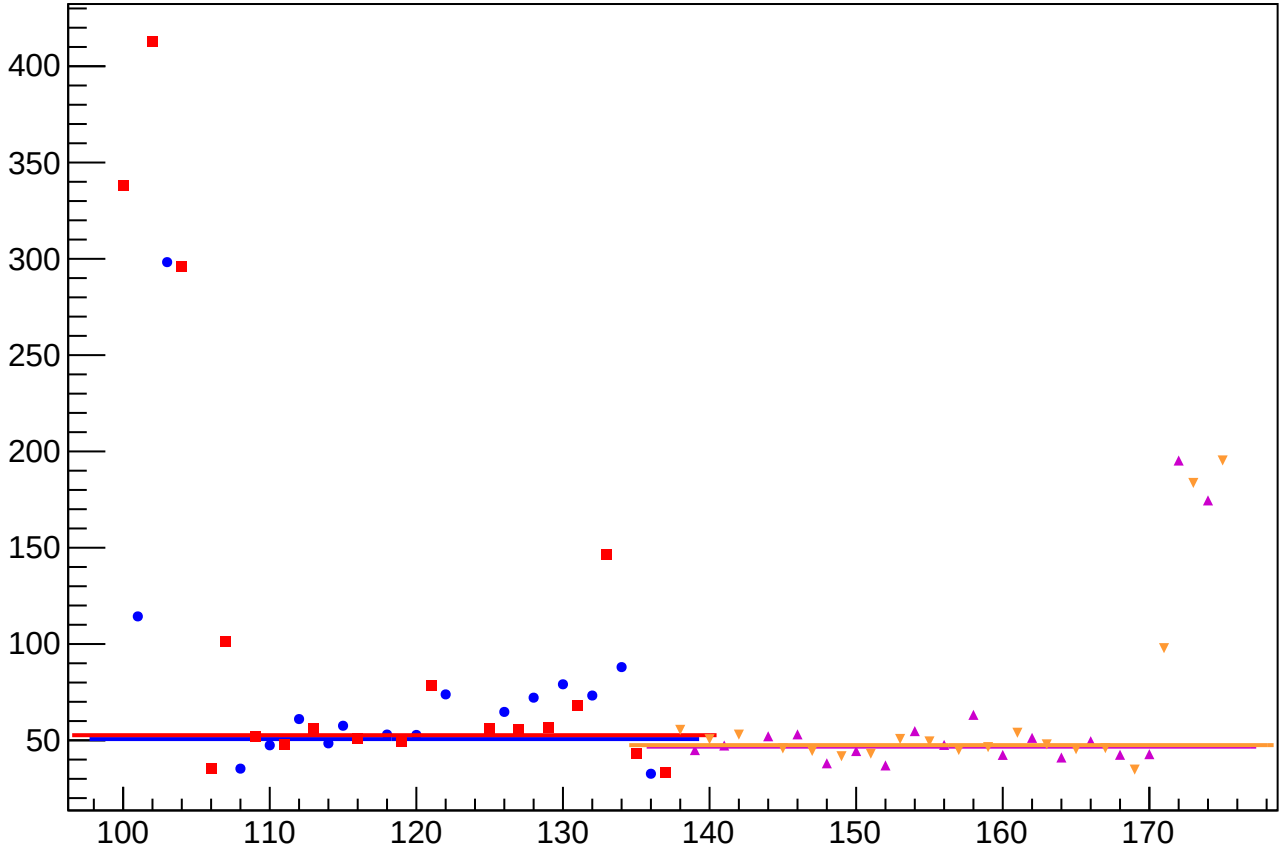
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 57.9/70

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228326.2/18

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

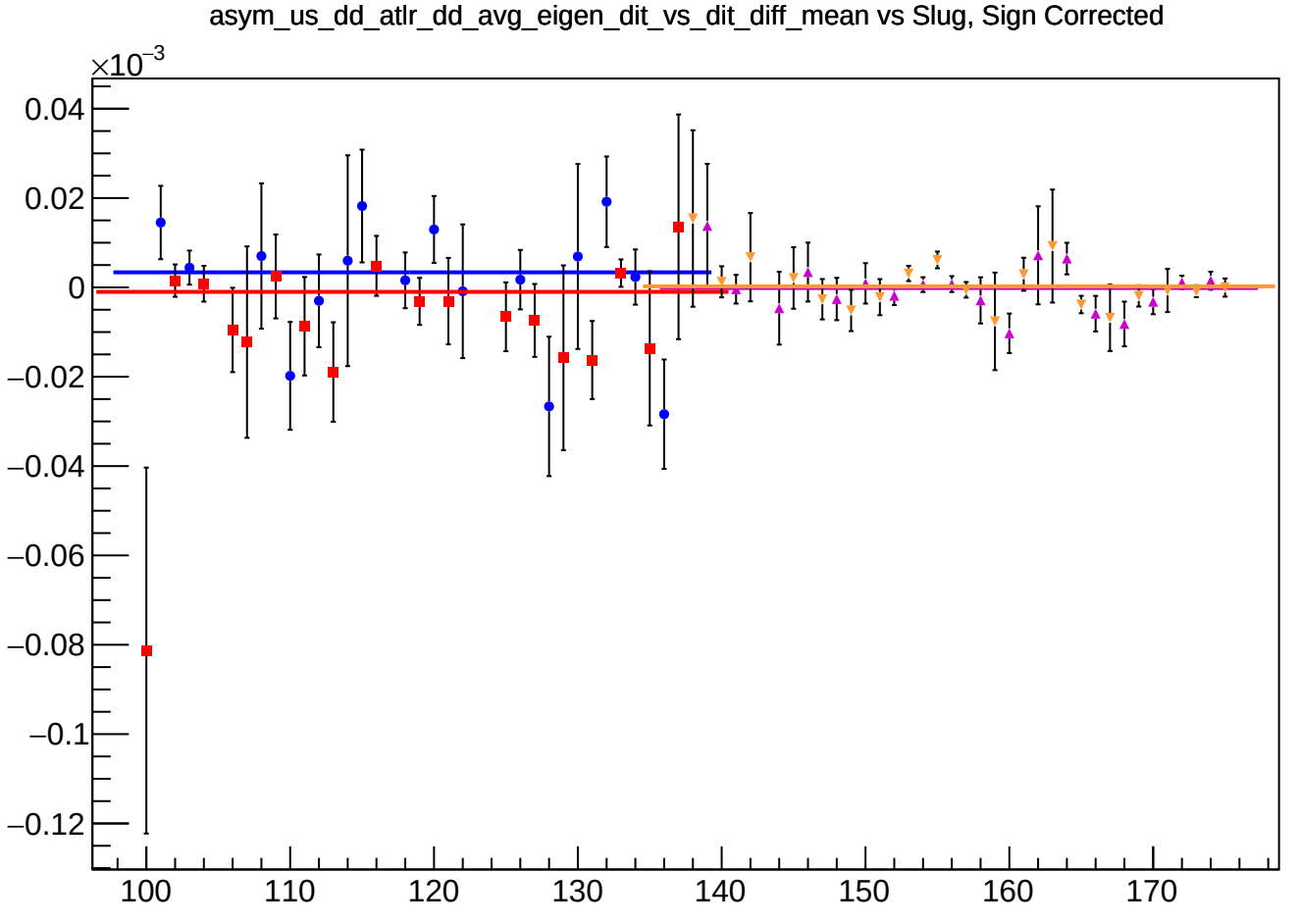
Left: 47.096+/-0.007 χ^2/NDF: 4427818.8/36

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.804+/-0.008 χ^2/NDF:4509359.6/33

Out: 48.882+/-0.008 χ^2/NDF:4513404.3/36

All: 48.324+/-0.006 χ^2/NDF: 9031208.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:19.8/17

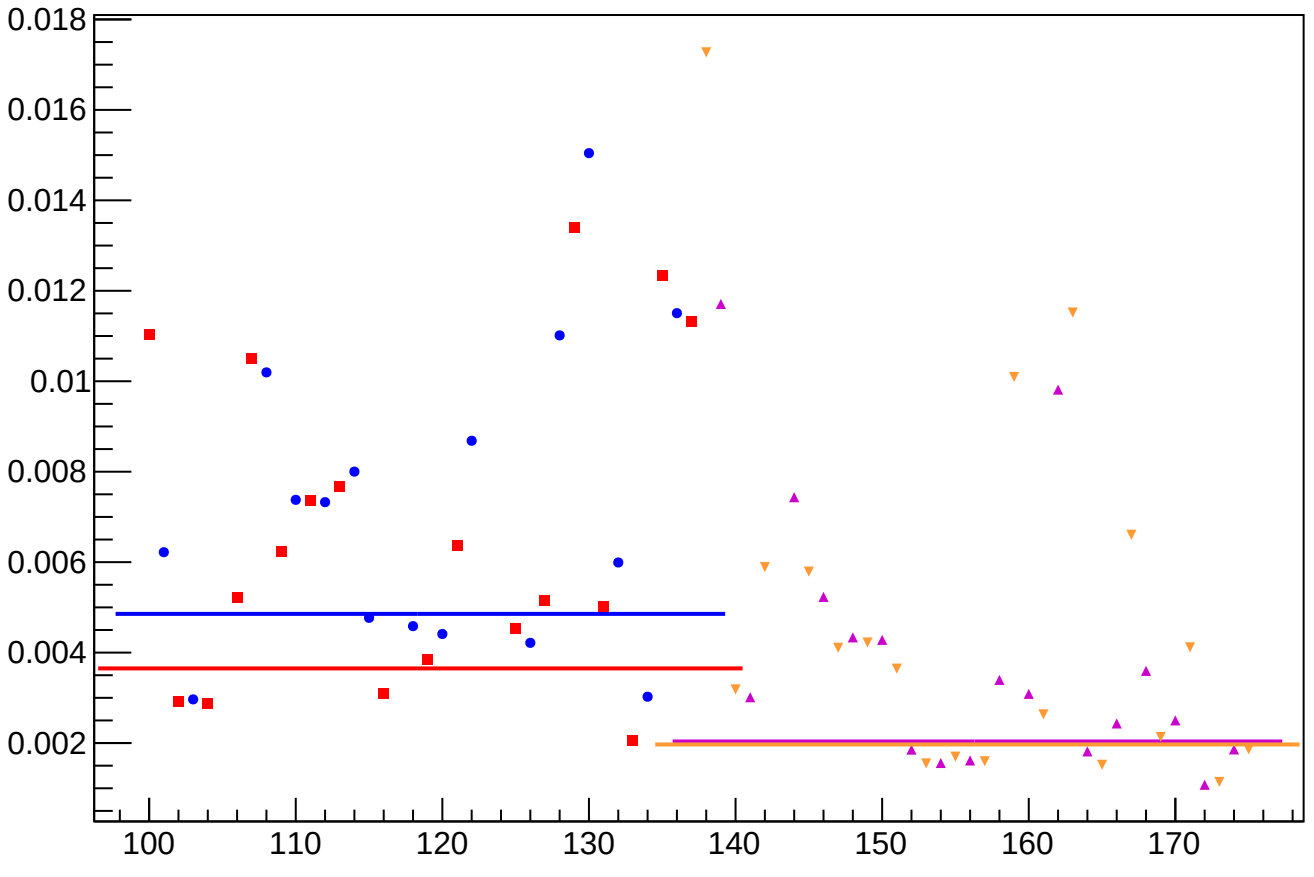
Left: 0.000+/-0.000 χ^2/NDF: 44.6/36

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:44.5/33

Out: 0.000+/-0.000 χ^2/NDF:42.5/36

All: 0.000+/-0.000 χ^2/NDF: 87.0/70



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:8280446.2/18

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6120248.3/17

Left: 0.002+/-0.000 χ^2/NDF: 14411269.2/36

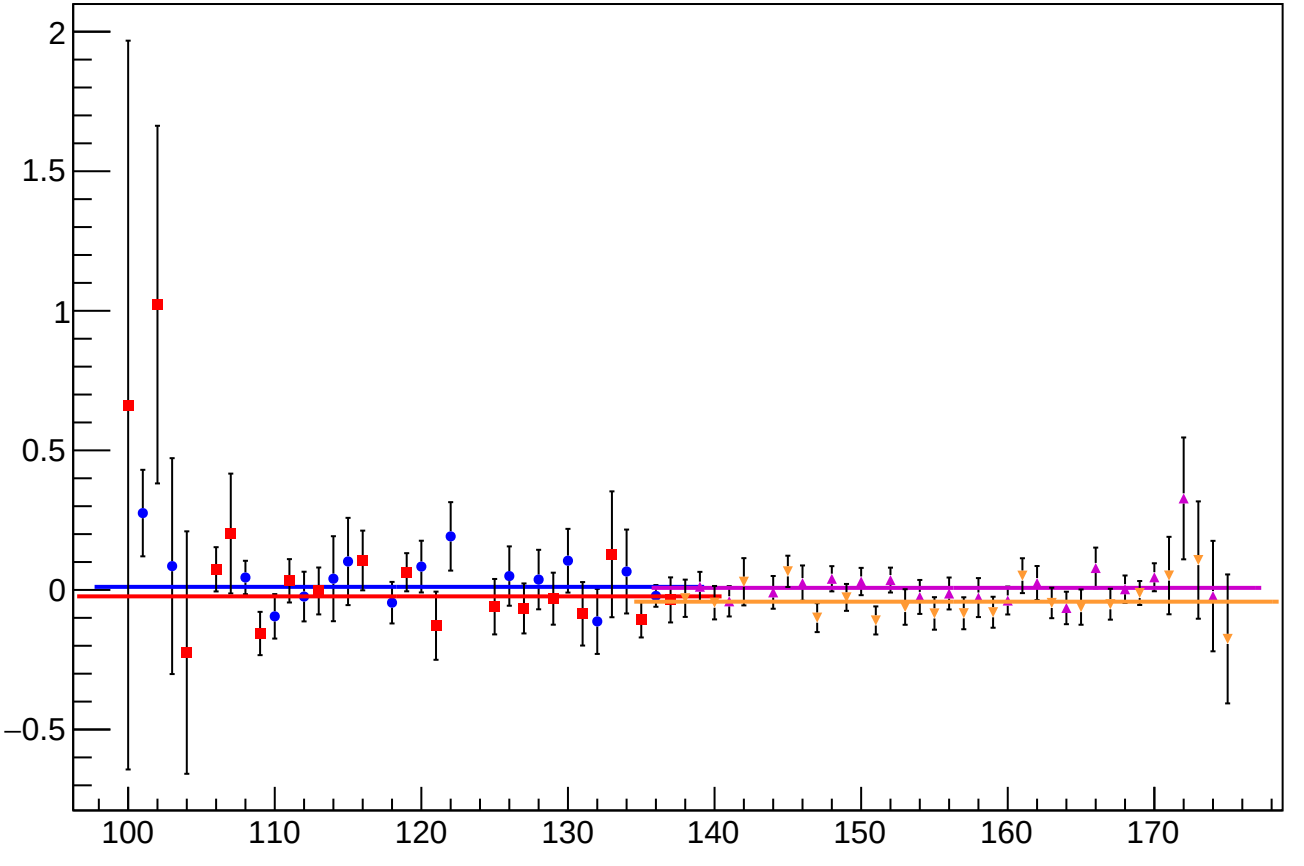
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12199878.2/33

Out: 0.002+/-0.000 χ^2/NDF:13383141.6/36

All: 0.002+/-0.000 χ^2/NDF: 25612925.3/70

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

Left: -0.017+/-0.010 χ^2/NDF: 28.7/36

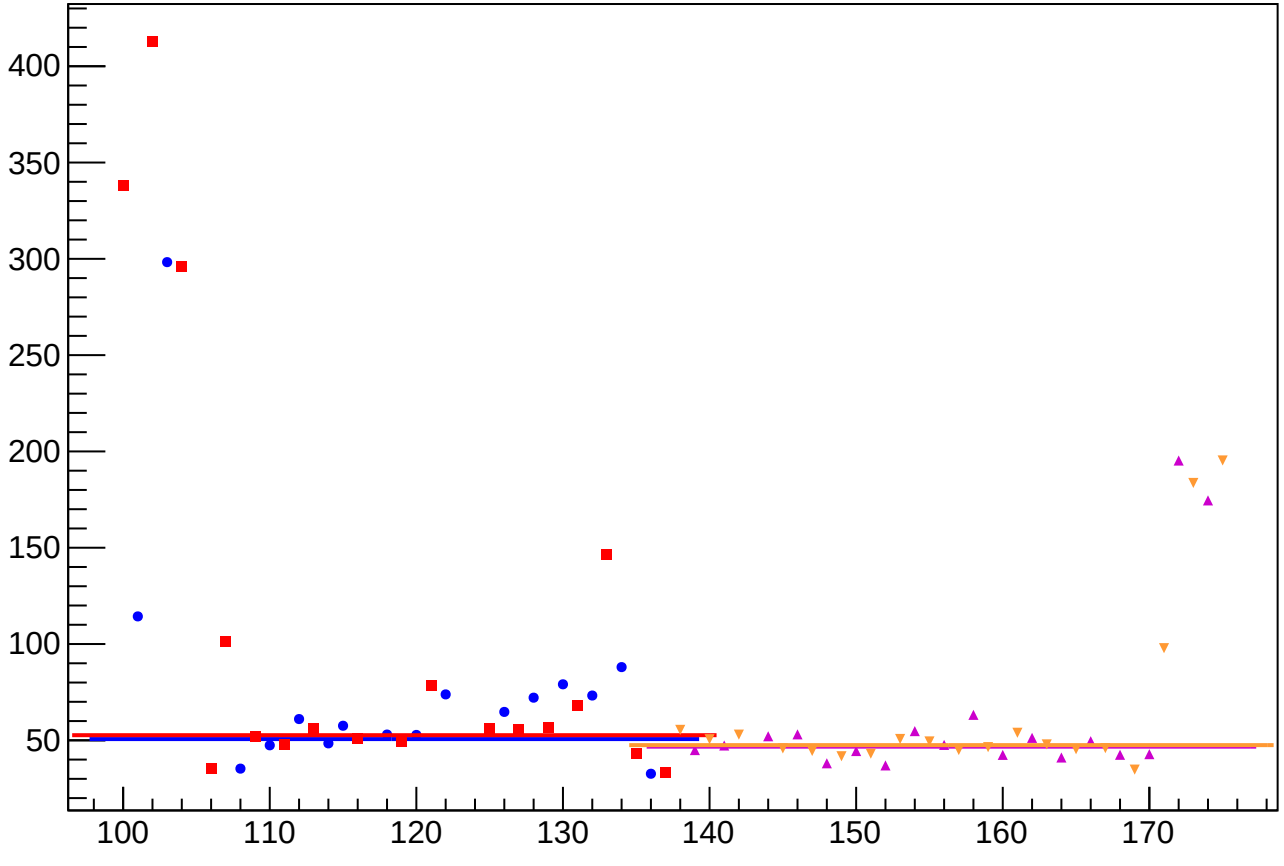
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 57.9/70

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228343.2/18

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.711+/-0.010 χ^2/NDF:2196116.0/17

Left: 47.096+/-0.007 χ^2/NDF: 4427772.7/36

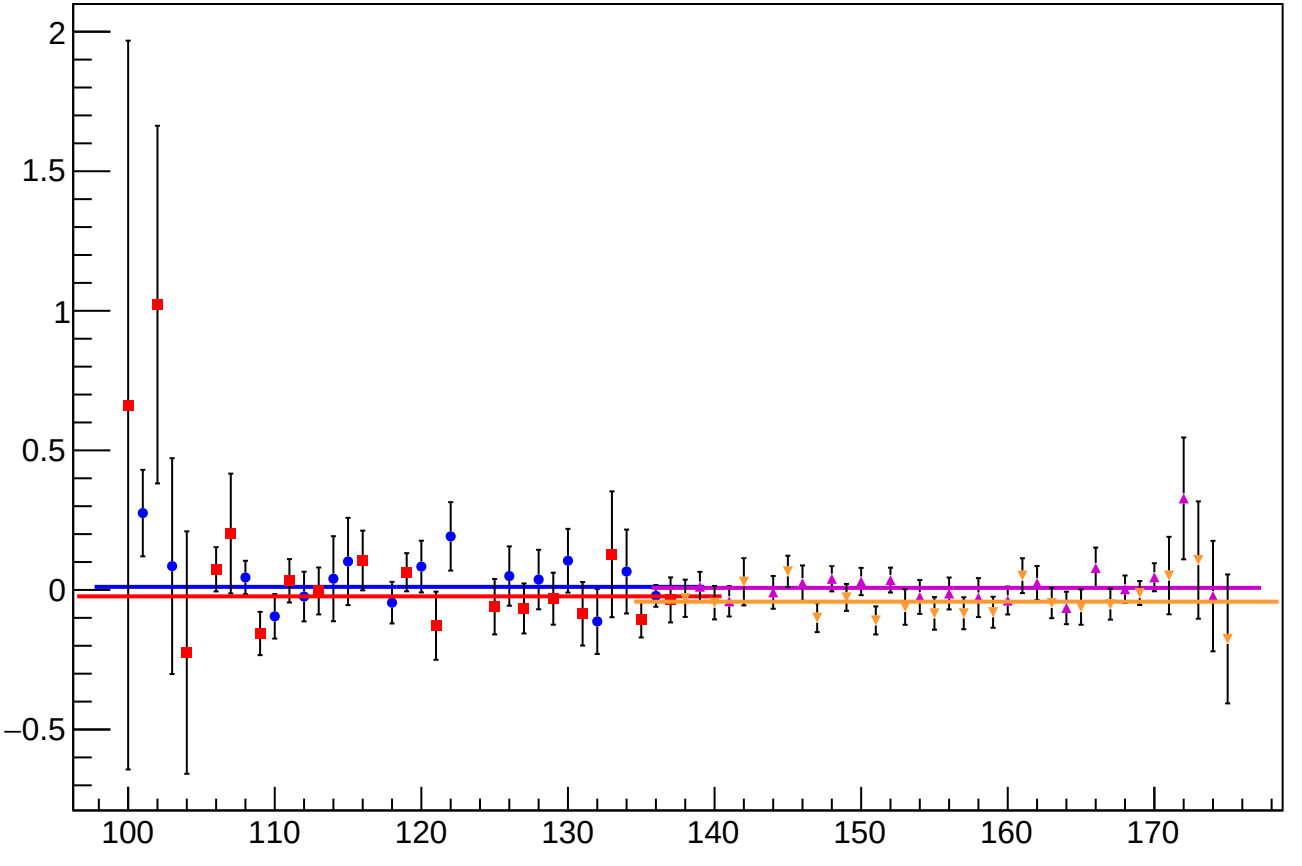
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.804+/-0.008 χ^2/NDF:4509208.8/33

Out: 48.882+/-0.008 χ^2/NDF:4513336.8/36

All: 48.324+/-0.006 χ^2/NDF: 9030984.5/70

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

Left: -0.017+/-0.010 χ^2/NDF: 28.7/36

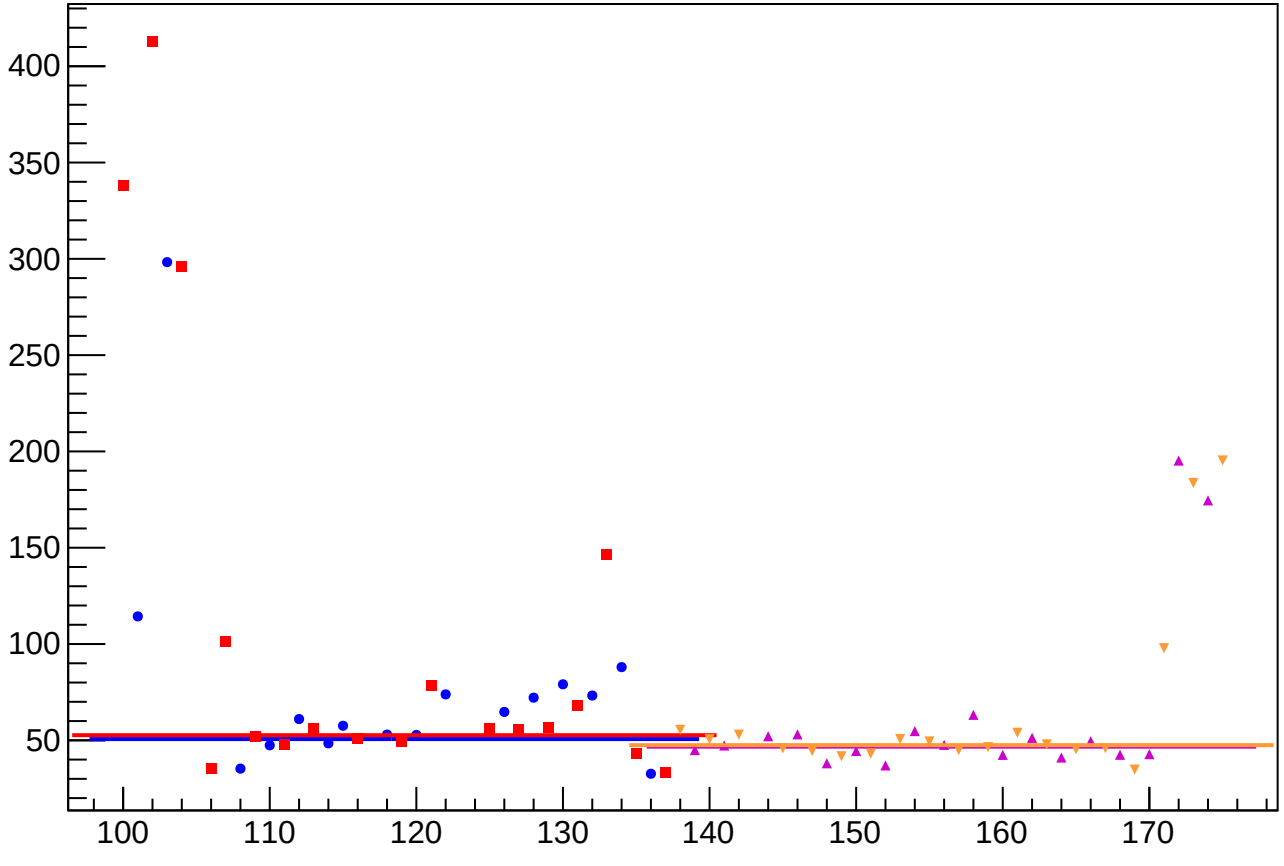
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 57.9/70

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.503+/-0.010 χ^2/NDF:2228343.2/18

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.711+/-0.010 χ^2/NDF:2196116.0/17

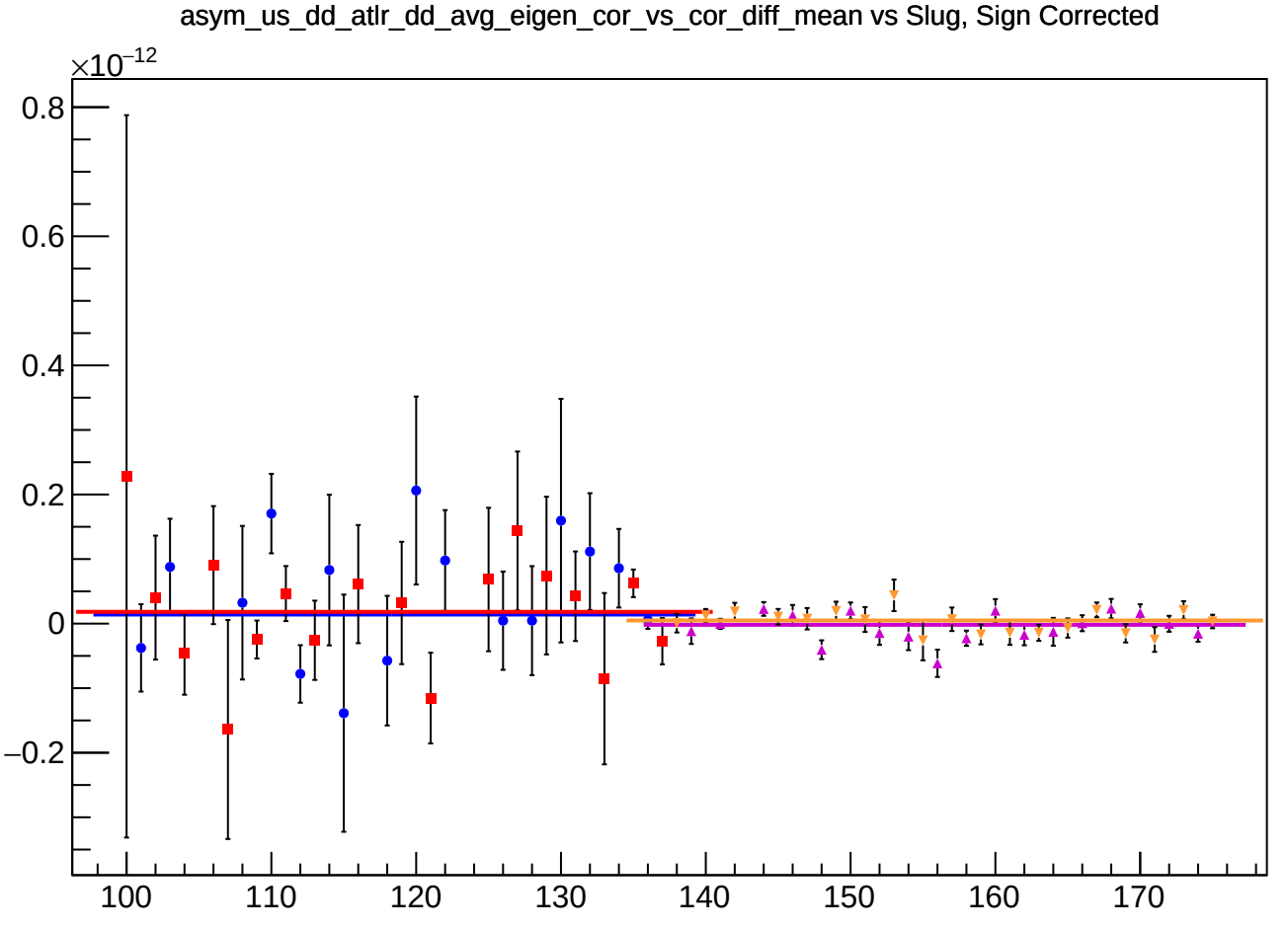
Left: 47.096+/-0.007 χ^2/NDF: 4427772.7/36

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.804+/-0.008 χ^2/NDF:4509208.8/33

Out: 48.882+/-0.008 χ^2/NDF:4513336.8/36

All: 48.324+/-0.006 χ^2/NDF: 9030984.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:37.3/17

Left: 0.000+/-0.000 χ^2/NDF: 59.6/36

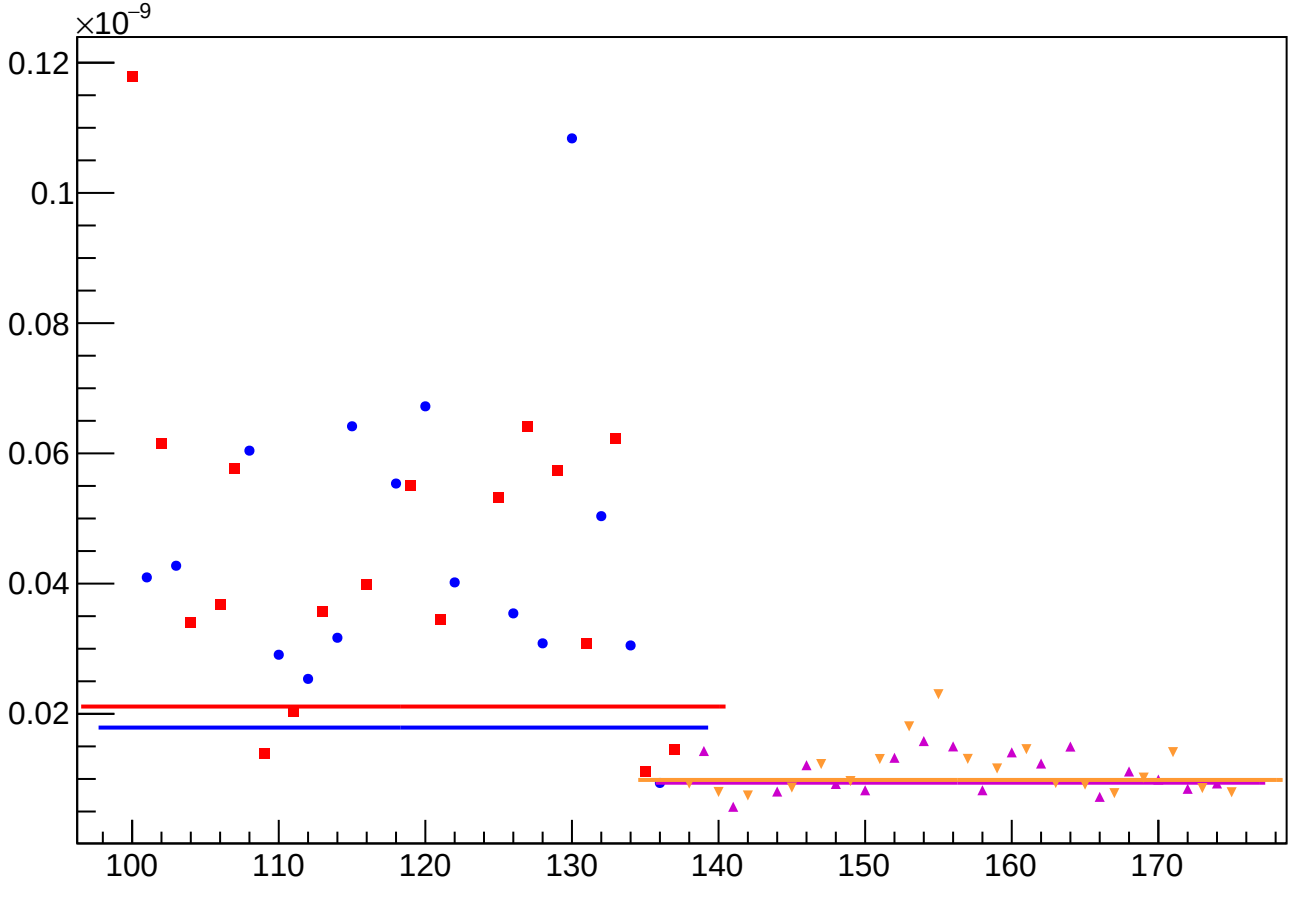
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:59.5/33

Out: 0.000+/-0.000 χ^2/NDF:39.3/36

All: 0.000+/-0.000 χ^2/NDF: 100.8/70

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1310881.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1540047.2/17

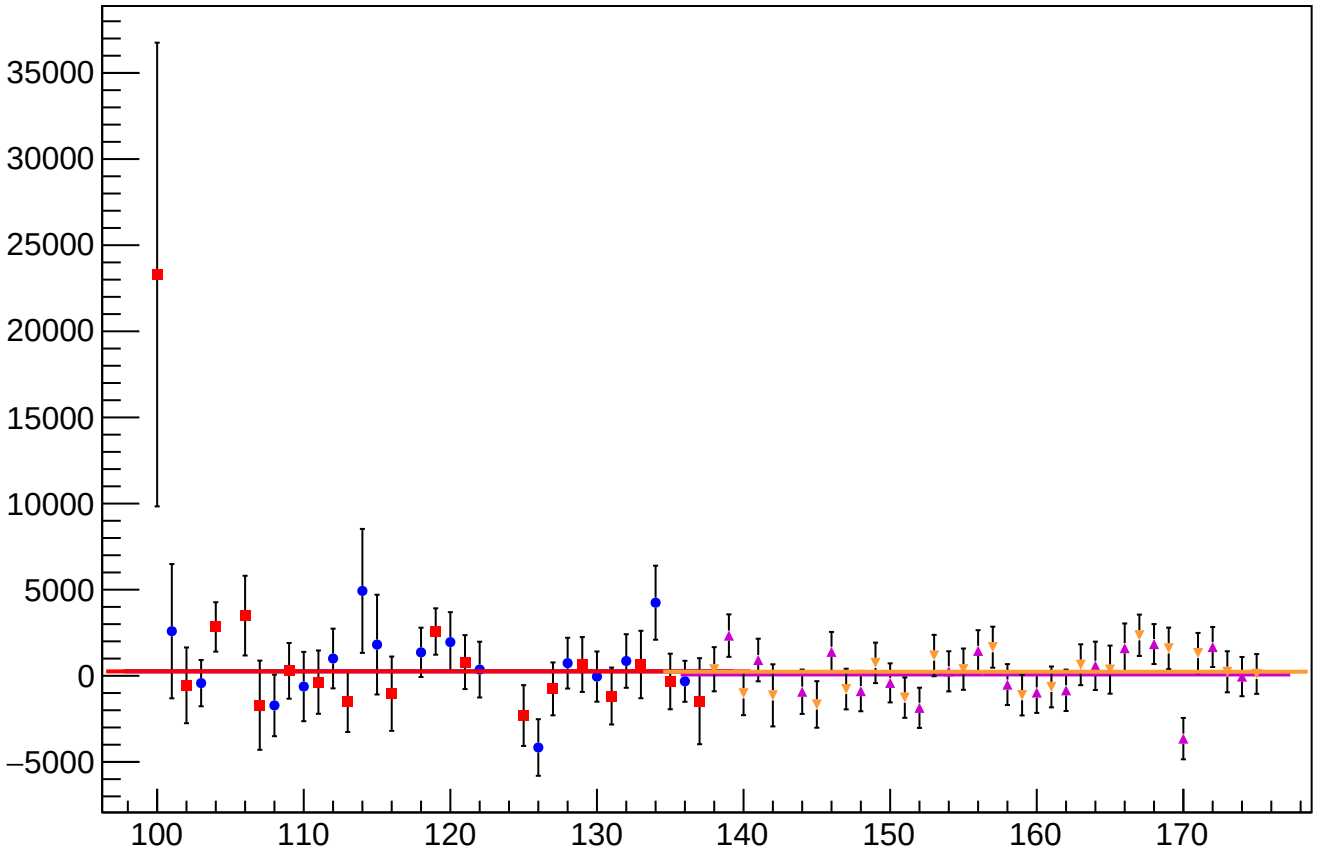
Left: 0.000+/-0.000 χ^2/NDF: 2867972.1/36

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5972933.7/33

Out: 0.000+/-0.000 χ^2/NDF:5444360.9/36

All: 0.000+/-0.000 χ^2/NDF: 11444667.6/70



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.574+/-282.032 χ^2/NDF:15.4/18

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 77.442+/-284.122 χ^2/NDF:27.3/17

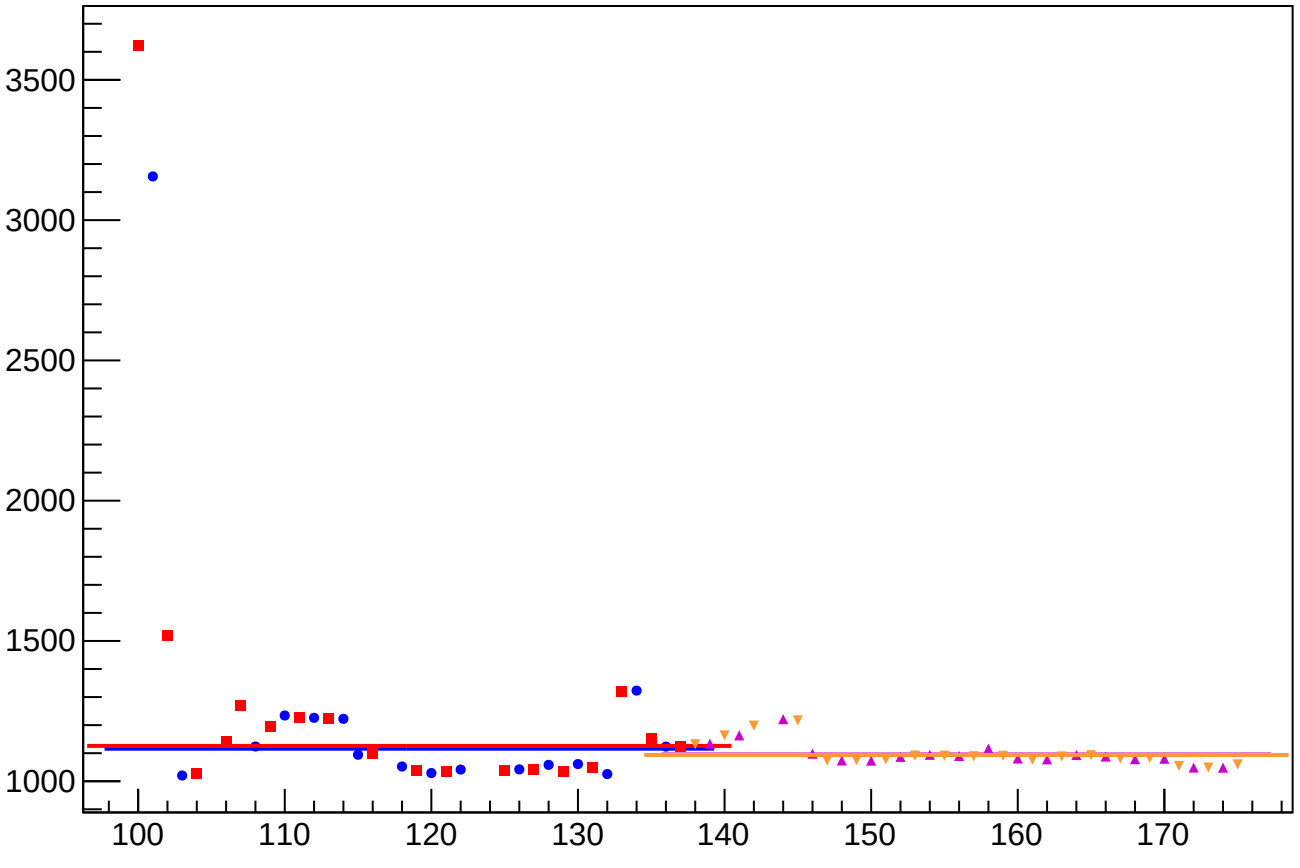
Left: 157.595+/-200.161 χ^2/NDF: 42.9/36

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 134.139+/-236.142 χ^2/NDF:44.4/33

Out: 242.478+/-235.129 χ^2/NDF:32.8/36

All: 188.542+/-166.618 χ^2/NDF: 77.3/70



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

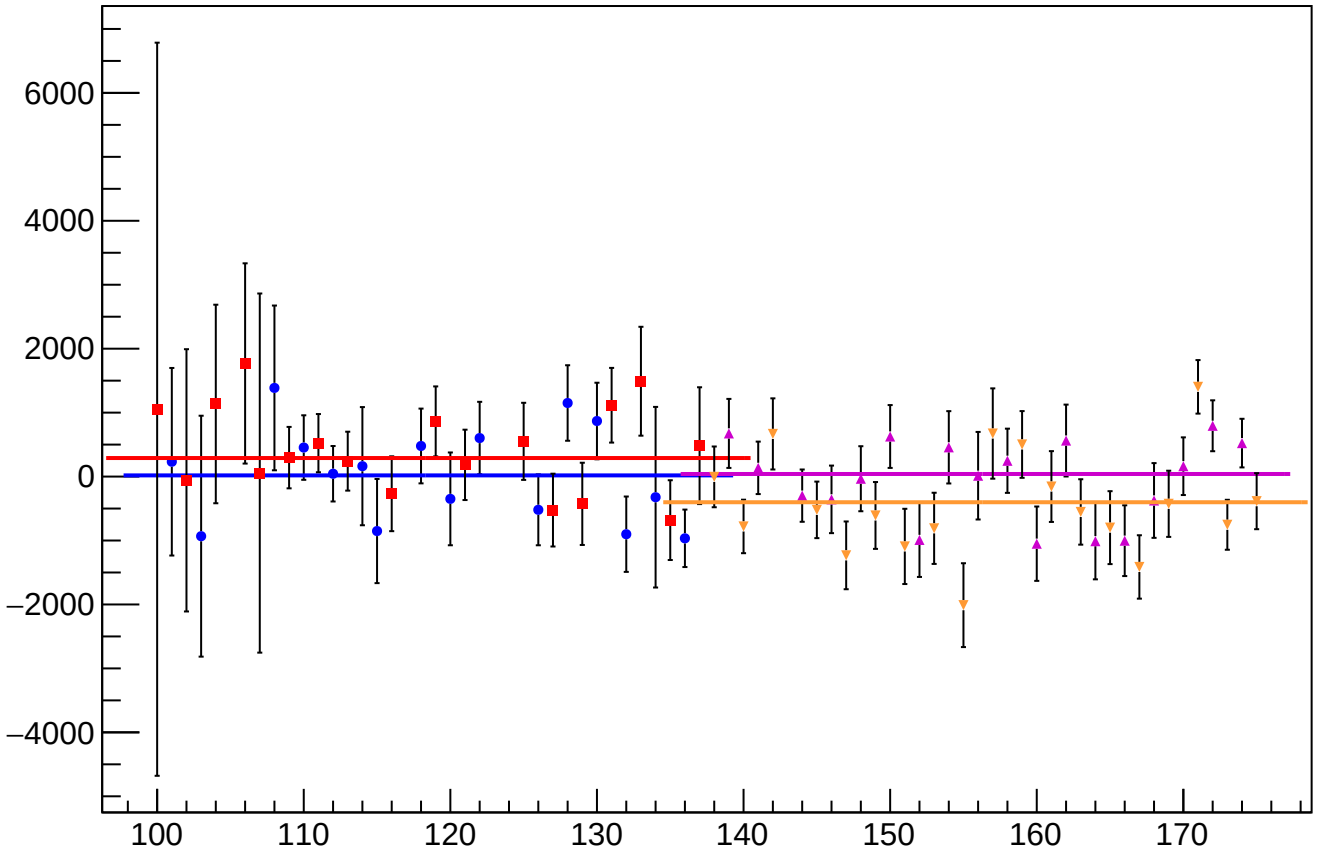
Left: 1094.528+/-0.142 χ^2/NDF: 77658.7/36

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1101.768+/-0.167 χ^2/NDF:664124.7/33

Out: 1103.563+/-0.166 χ^2/NDF:270291.5/36

All: 1102.669+/-0.118 χ^2/NDF: 934474.2/70



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -401.334+/-115.256 χ^2/NDF:45.5/18

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 40.422+/-117.498 χ^2/NDF:24.8/17

Left: -184.711+/-82.280 χ^2/NDF: 77.5/36

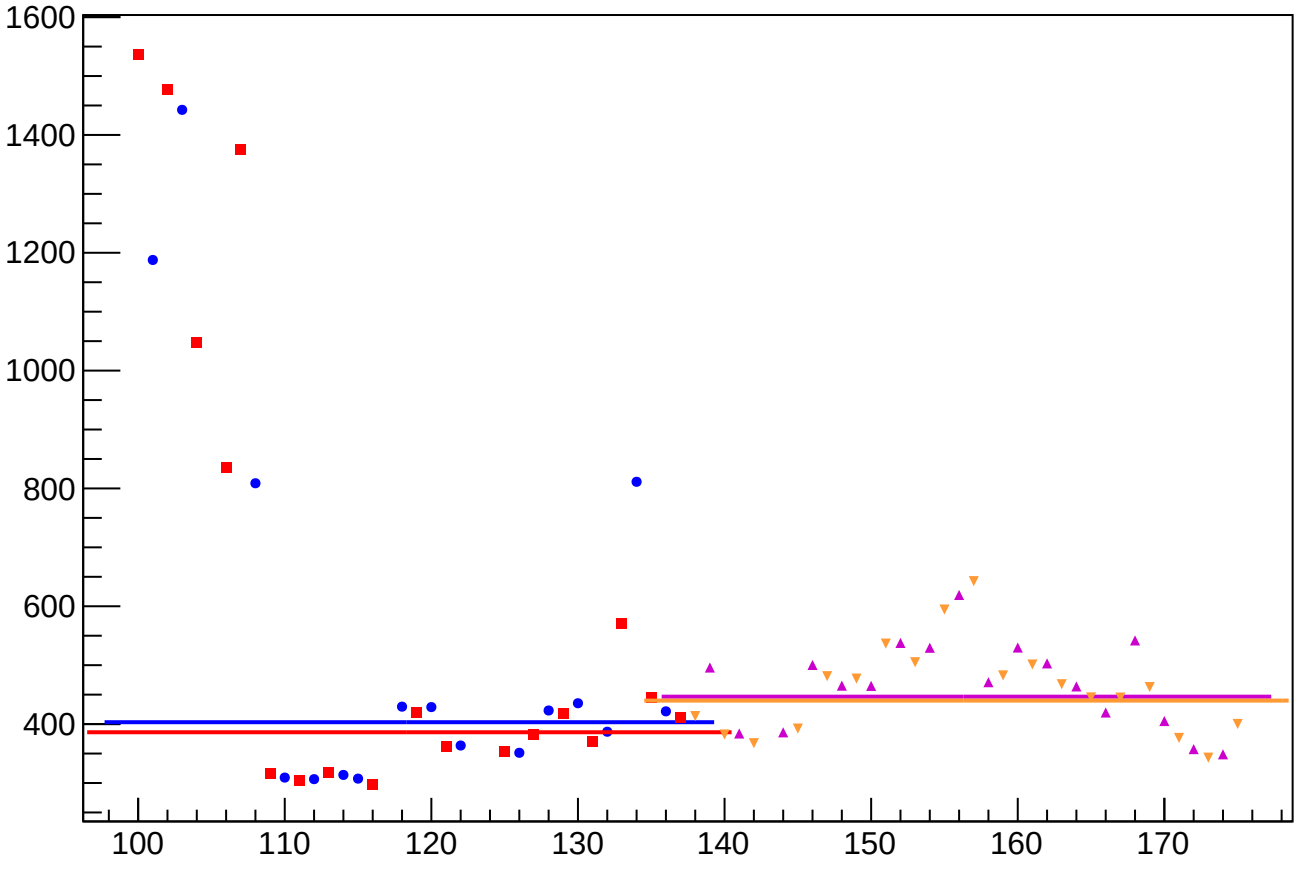
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 32.807+/-94.959 χ^2/NDF:44.0/33

Out: -157.618+/-92.740 χ^2/NDF:71.7/36

All: -64.657+/-66.348 χ^2/NDF: 117.7/70

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.879+/-0.081 χ^2/NDF:713870.1/18

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 446.530+/-0.083 χ^2/NDF:728551.0/17

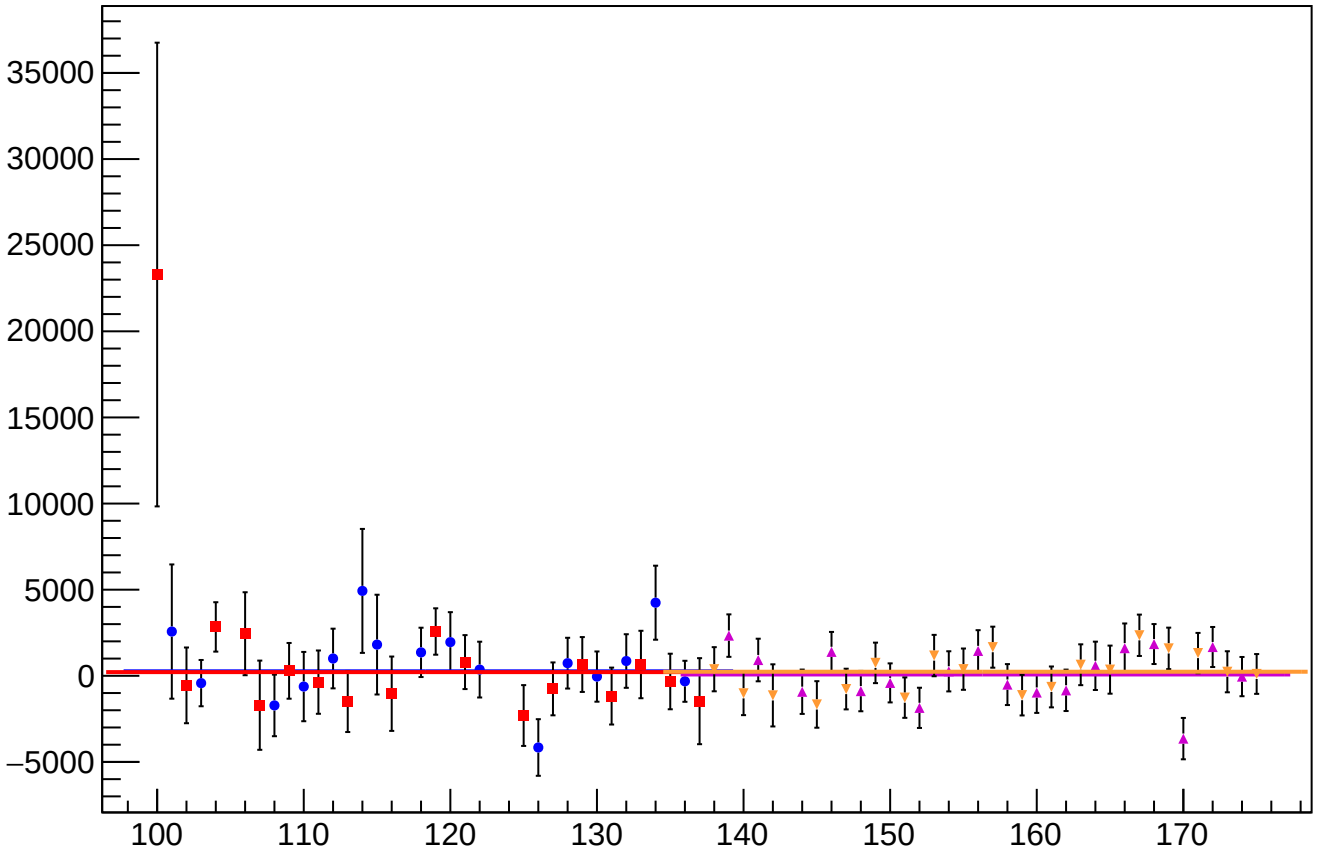
Left: 443.141+/-0.058 χ^2/NDF: 1445687.1/36

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 431.499+/-0.067 χ^2/NDF:2631349.3/33

Out: 420.935+/-0.066 χ^2/NDF:2626239.3/36

All: 426.092+/-0.047 χ^2/NDF: 5270257.2/70



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 77.438+/-284.122 χ^2/NDF:27.3/17

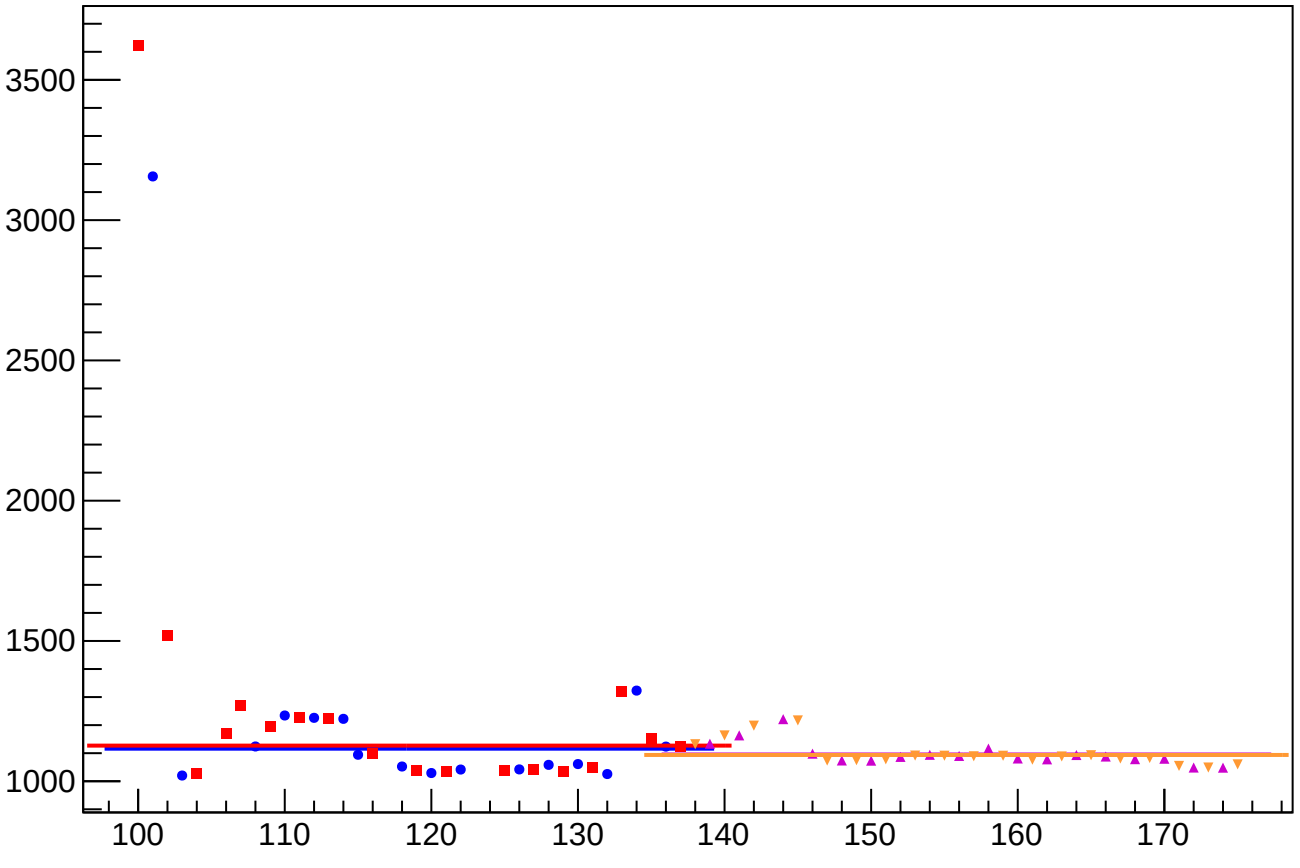
Left: 157.585+/-200.161 χ^2/NDF: 42.9/36

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 134.018+/-236.142 χ^2/NDF:44.4/33

Out: 229.844+/-235.222 χ^2/NDF:31.7/36

All: 182.118+/-166.652 χ^2/NDF: 76.1/70



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

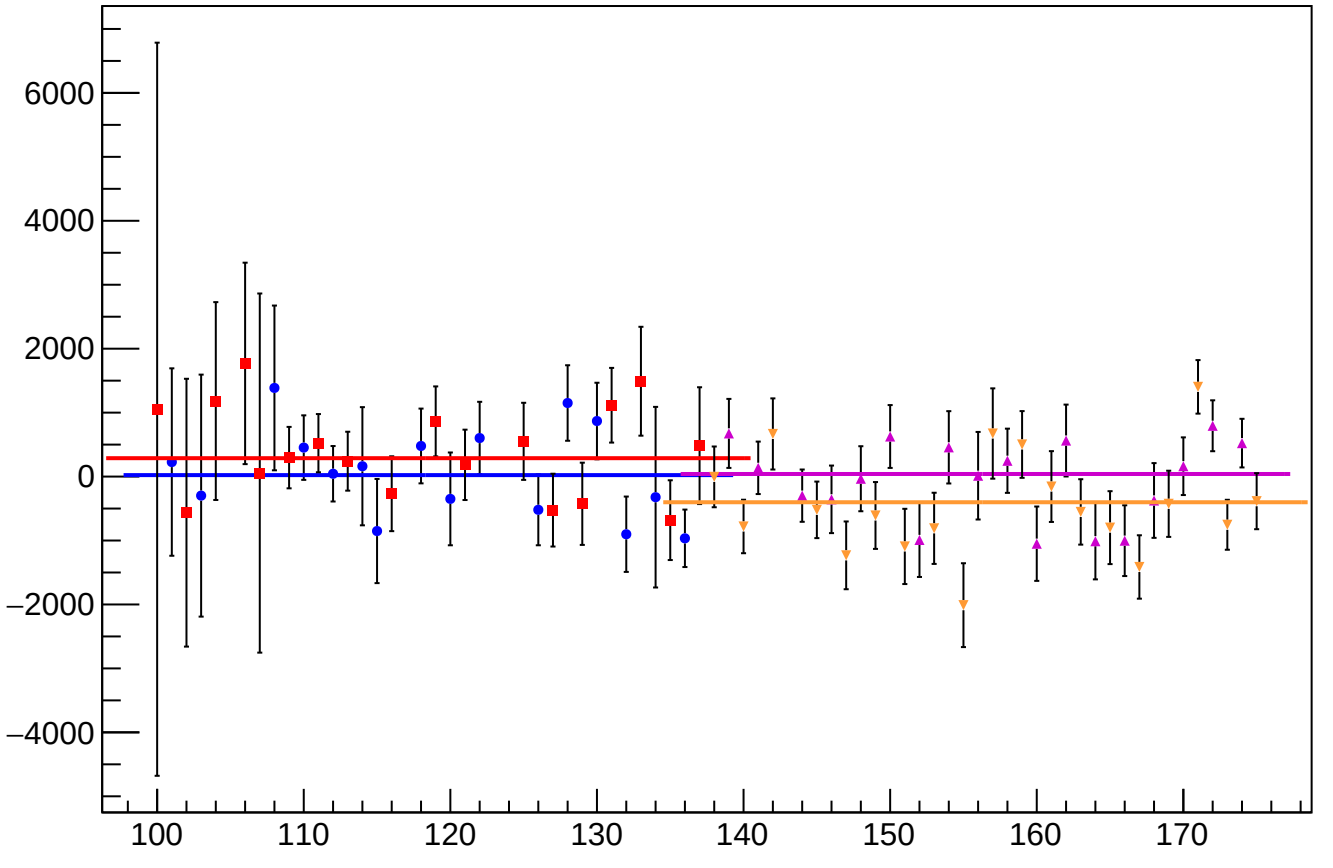
Left: 1094.528+/-0.142 χ^2/NDF: 77658.7/36

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1101.768+/-0.167 χ^2/NDF:664125.6/33

Out: 1103.832+/-0.166 χ^2/NDF:271385.2/36

All: 1102.804+/-0.118 χ^2/NDF: 935587.5/70



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -401.389+/-115.256 χ^2/NDF:45.5/18

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 40.416+/-117.499 χ^2/NDF:24.8/17

Left: -184.744+/-82.280 χ^2/NDF: 77.5/36

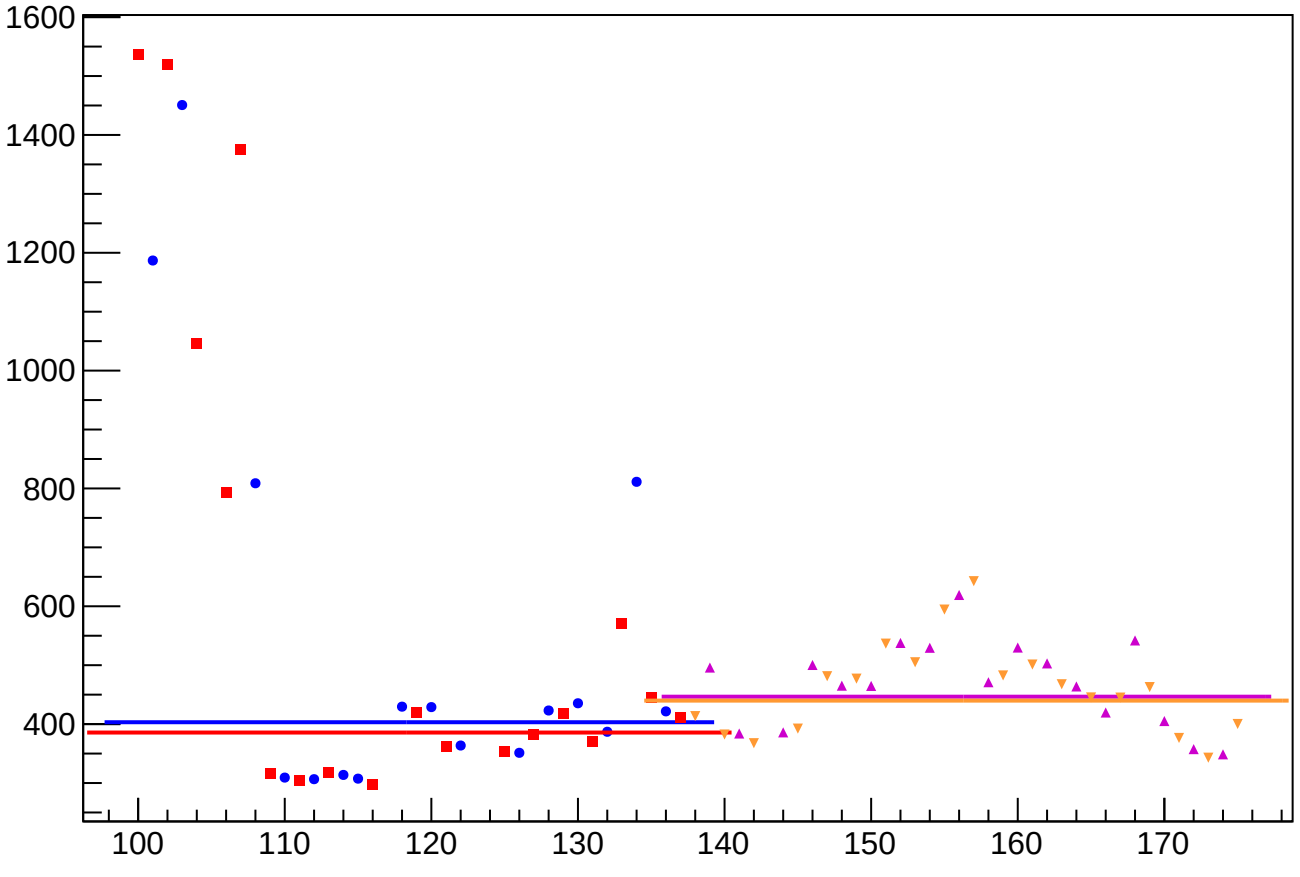
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 34.349+/-94.960 χ^2/NDF:43.8/33

Out: -158.524+/-92.744 χ^2/NDF:71.7/36

All: -64.364+/-66.349 χ^2/NDF: 117.6/70

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

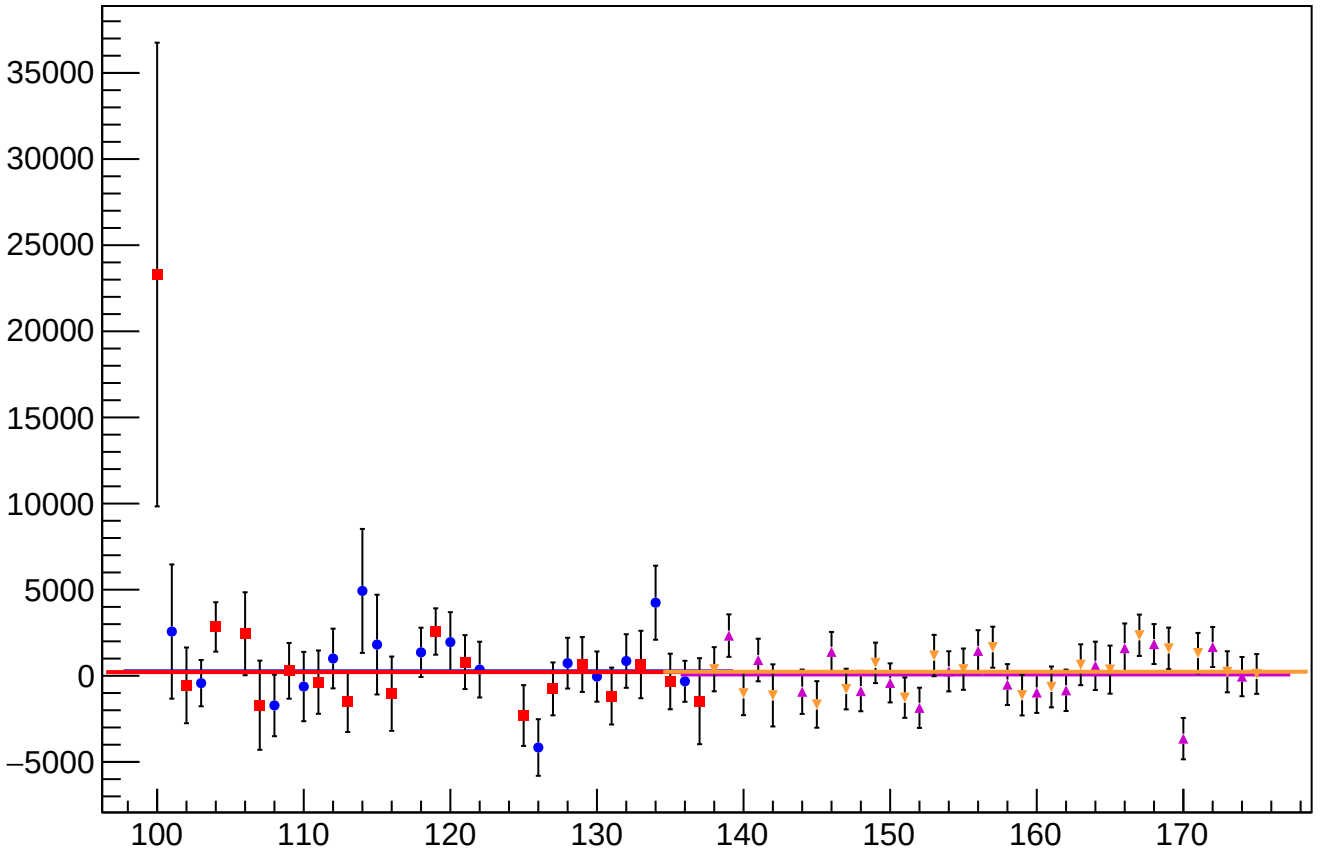
Left: 443.140+/-0.058 χ^2/NDF: 1445640.8/36

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 431.496+/-0.067 χ^2/NDF:2634966.6/33

Out: 420.773+/-0.066 χ^2/NDF:2616955.0/36

All: 426.008+/-0.047 χ^2/NDF: 5264975.5/70



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 77.438+/-284.122 χ^2/NDF:27.3/17

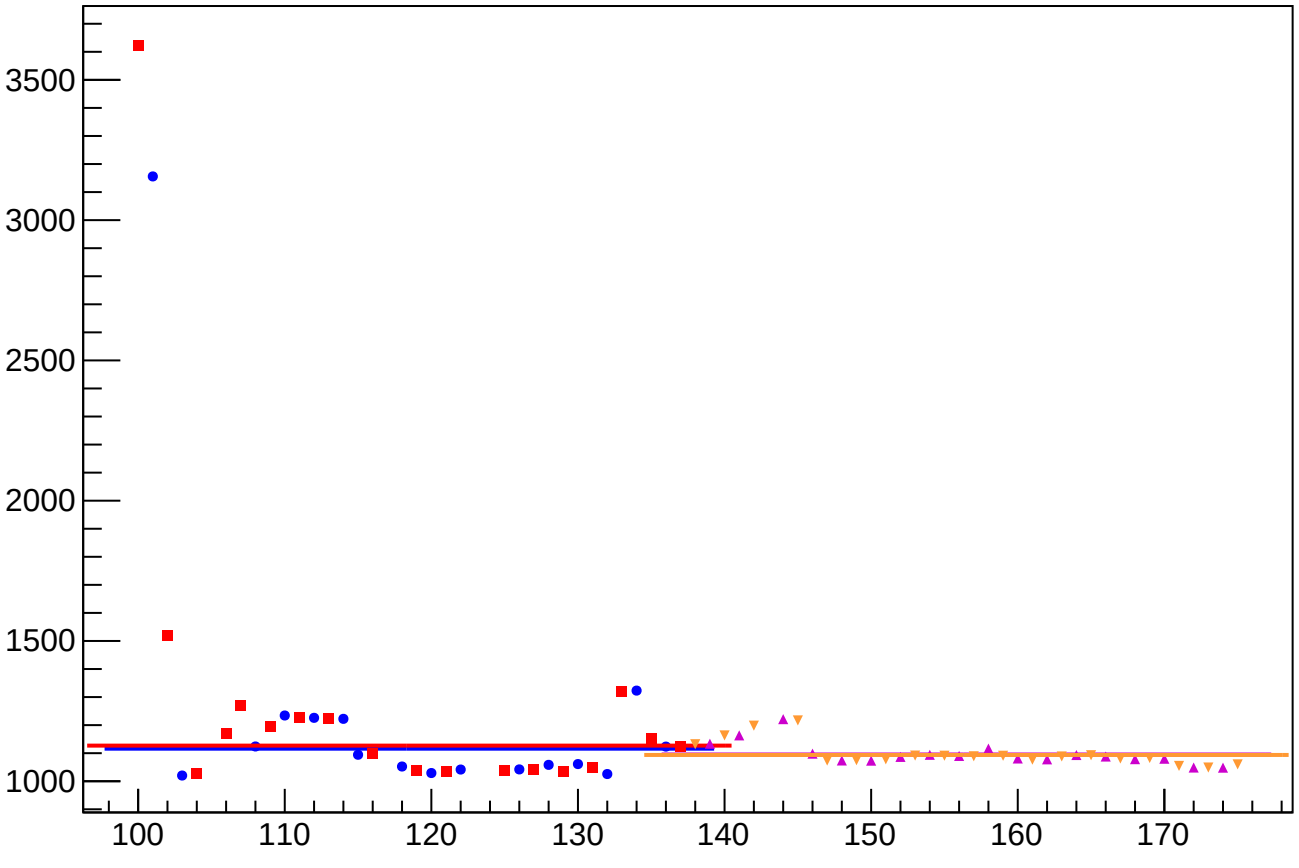
Left: 157.585+/-200.161 χ^2/NDF: 42.9/36

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 134.018+/-236.142 χ^2/NDF:44.4/33

Out: 229.844+/-235.222 χ^2/NDF:31.7/36

All: 182.118+/-166.652 χ^2/NDF: 76.1/70



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

Left: 1094.528+/-0.142 χ^2/NDF: 77658.7/36

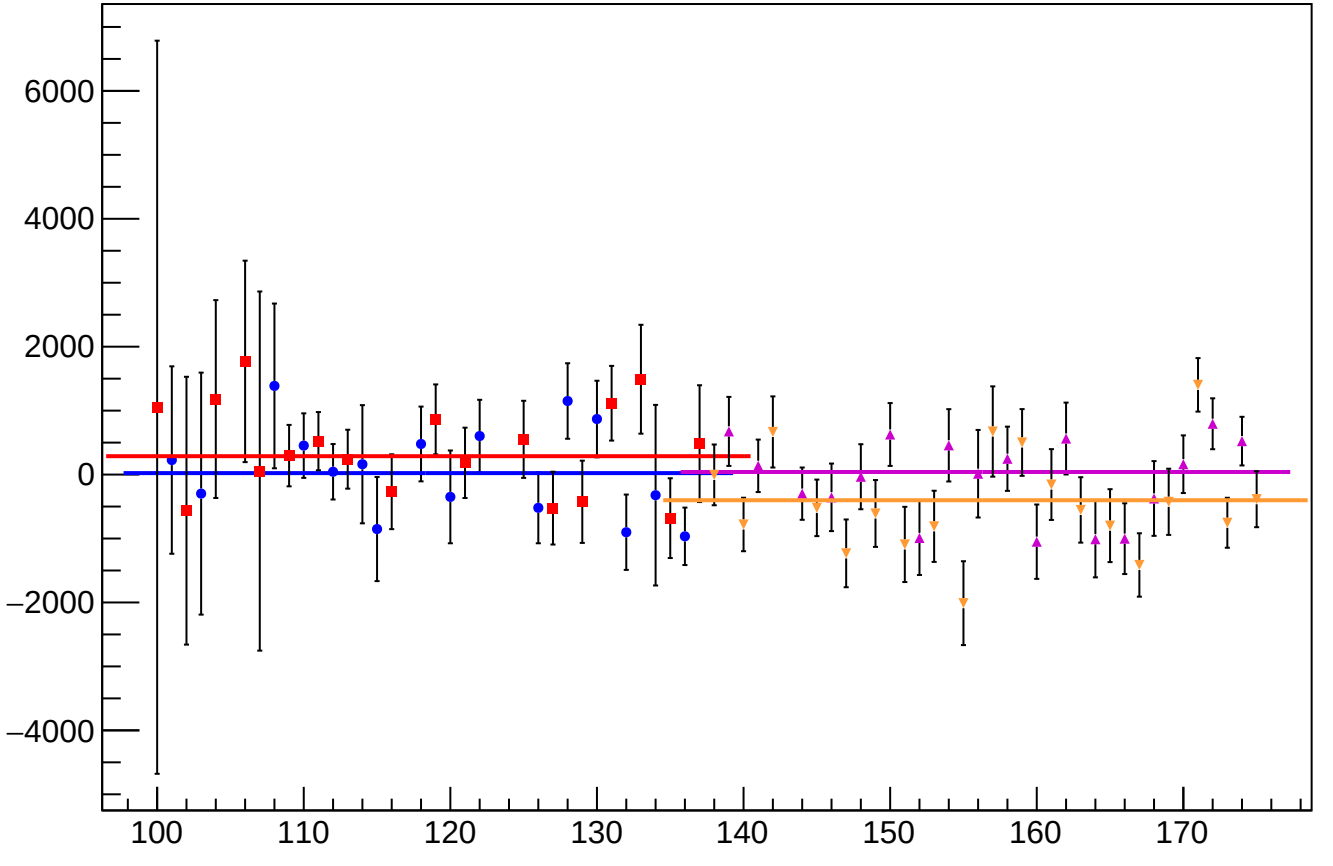
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1101.768+/-0.167 χ^2/NDF:664125.6/33

Out: 1103.832+/-0.166 χ^2/NDF:271385.2/36

All: 1102.804+/-0.118 χ^2/NDF: 935587.5/70

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -401.389+/-115.256 χ^2/NDF:45.5/18

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 40.416+/-117.499 χ^2/NDF:24.8/17

Left: -184.744+/-82.280 χ^2/NDF: 77.5/36

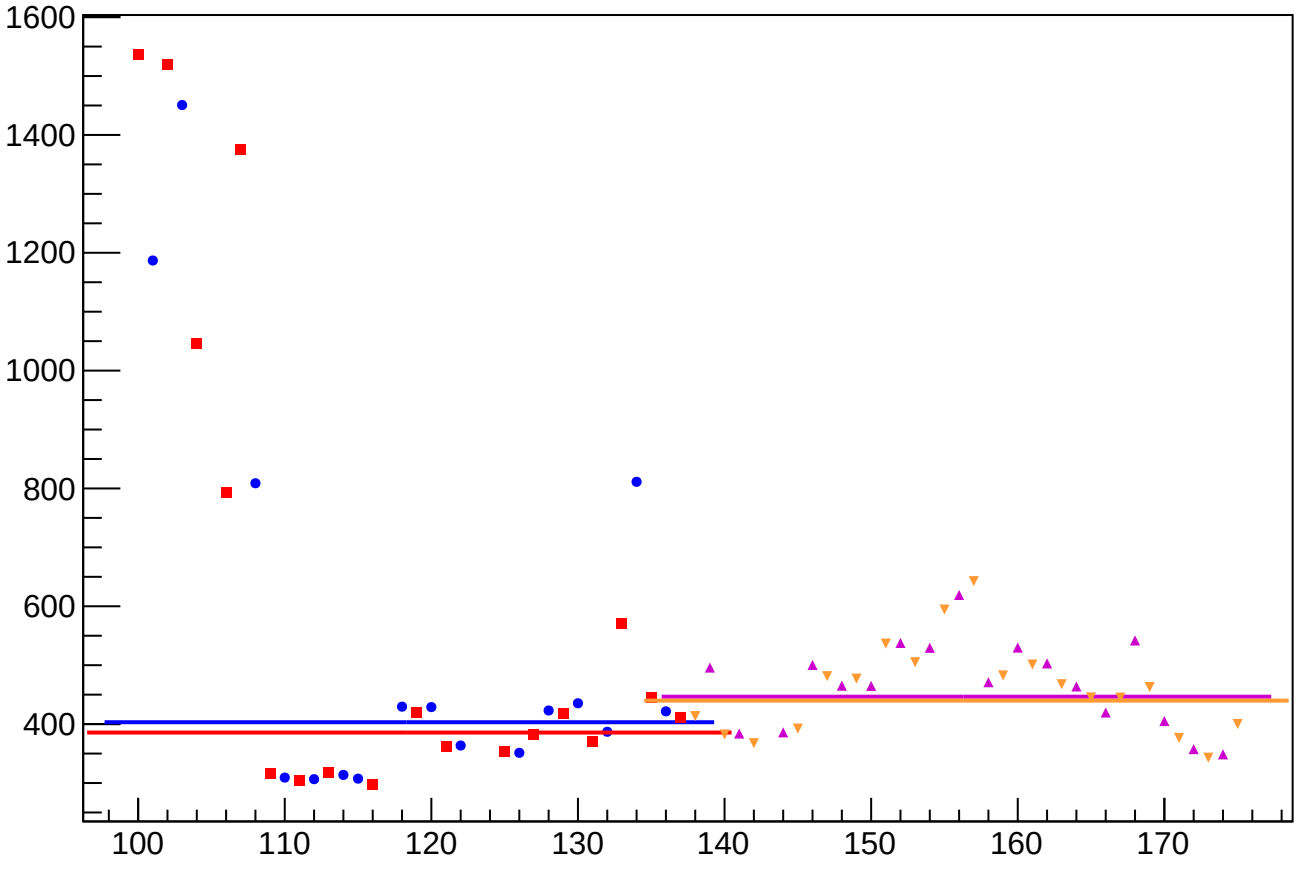
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 34.349+/-94.960 χ^2/NDF:43.8/33

Out: -158.524+/-92.744 χ^2/NDF:71.7/36

All: -64.364+/-66.349 χ^2/NDF: 117.6/70

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

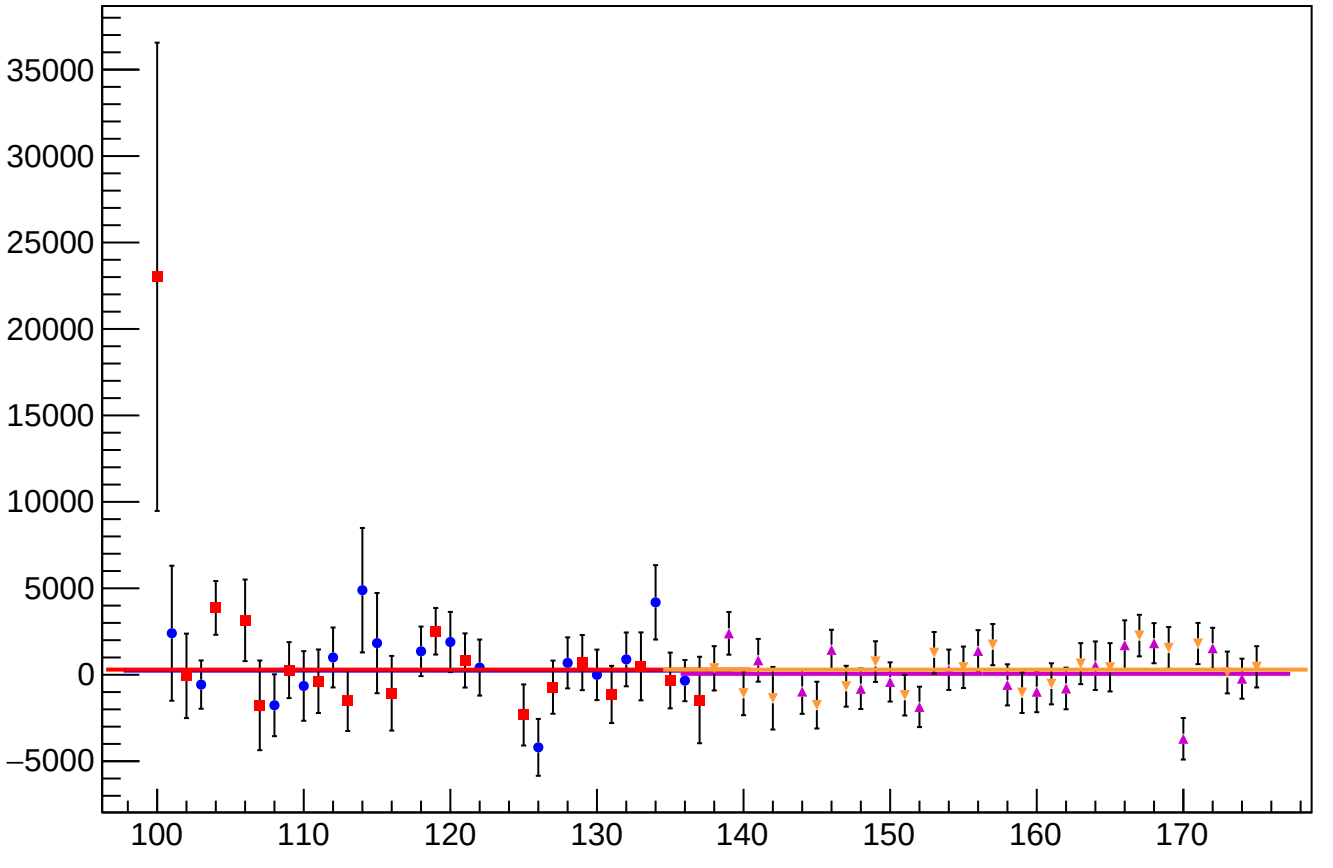
Left: 443.140+/-0.058 χ^2/NDF: 1445640.8/36

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 431.496+/-0.067 χ^2/NDF:2634966.6/33

Out: 420.773+/-0.066 χ^2/NDF:2616955.0/36

All: 426.008+/-0.047 χ^2/NDF: 5264975.5/70



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.180+/-283.360 χ^2/NDF:16.1/18

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 53.808+/-284.953 χ^2/NDF:27.4/17

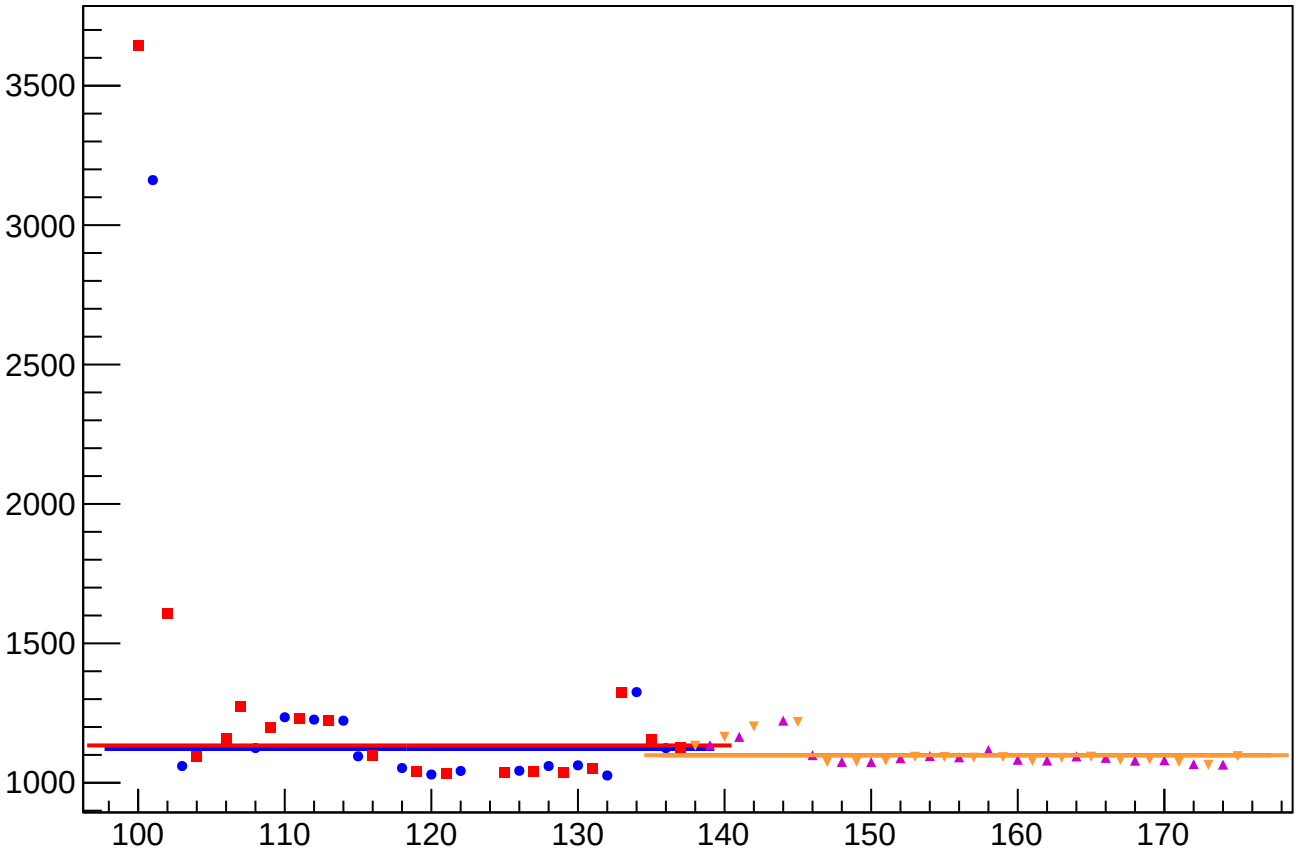
Left: 176.176+/-200.926 χ^2/NDF: 43.9/36

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 111.508+/-236.952 χ^2/NDF:44.5/33

Out: 297.706+/-236.734 χ^2/NDF:34.8/36

All: 204.693+/-167.473 χ^2/NDF: 79.6/70



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.6/18

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.0/17

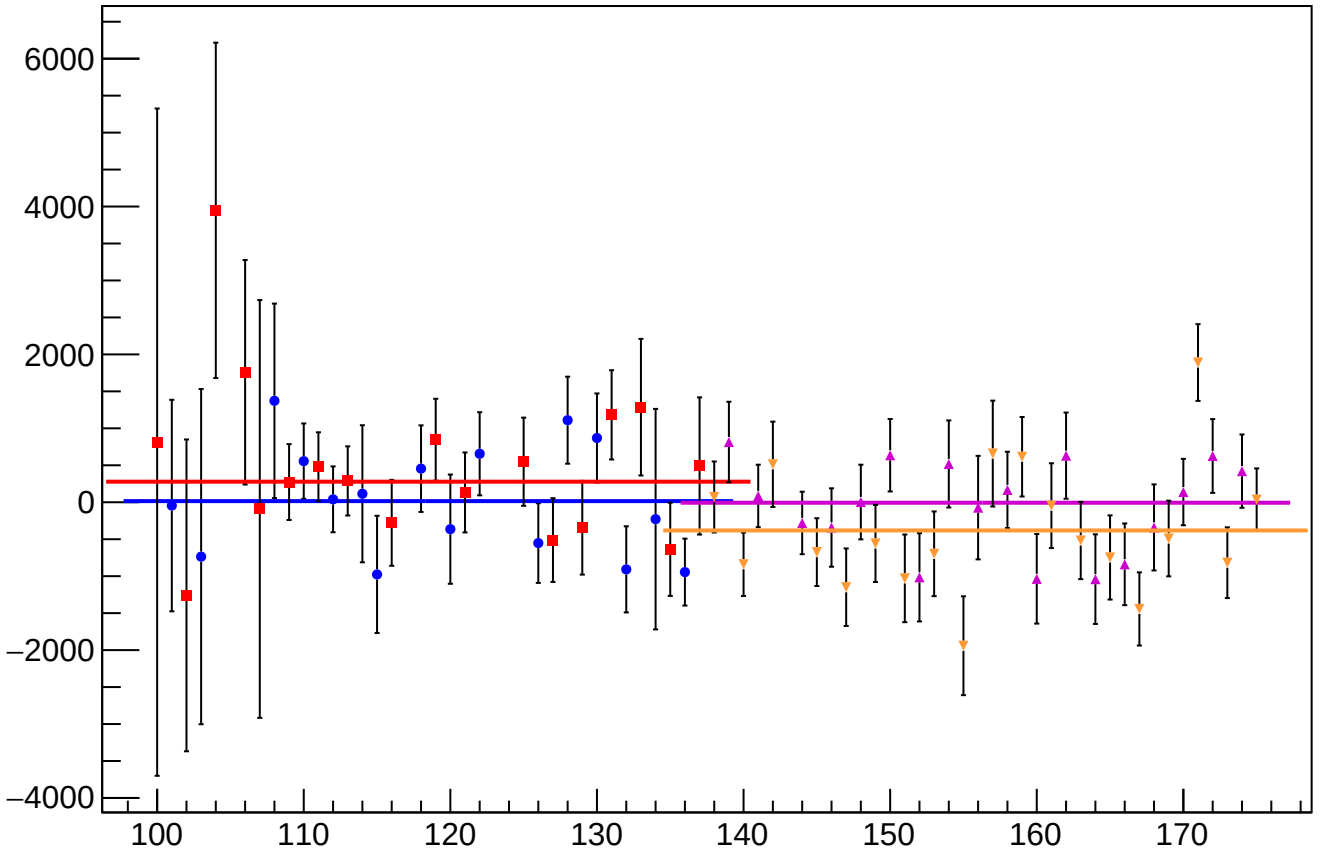
Left: 1098.776+/-0.142 χ^2/NDF: 68901.7/36

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.620+/-0.168 χ^2/NDF:654497.3/33

Out: 1109.496+/-0.167 χ^2/NDF:272012.1/36

All: 1107.560+/-0.118 χ^2/NDF: 926777.3/70



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -381.378+/-119.719 χ^2/NDF:46.0/18

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -6.444+/-123.692 χ^2/NDF:20.7/17

Left: -200.029+/-86.024 χ^2/NDF: 71.4/36

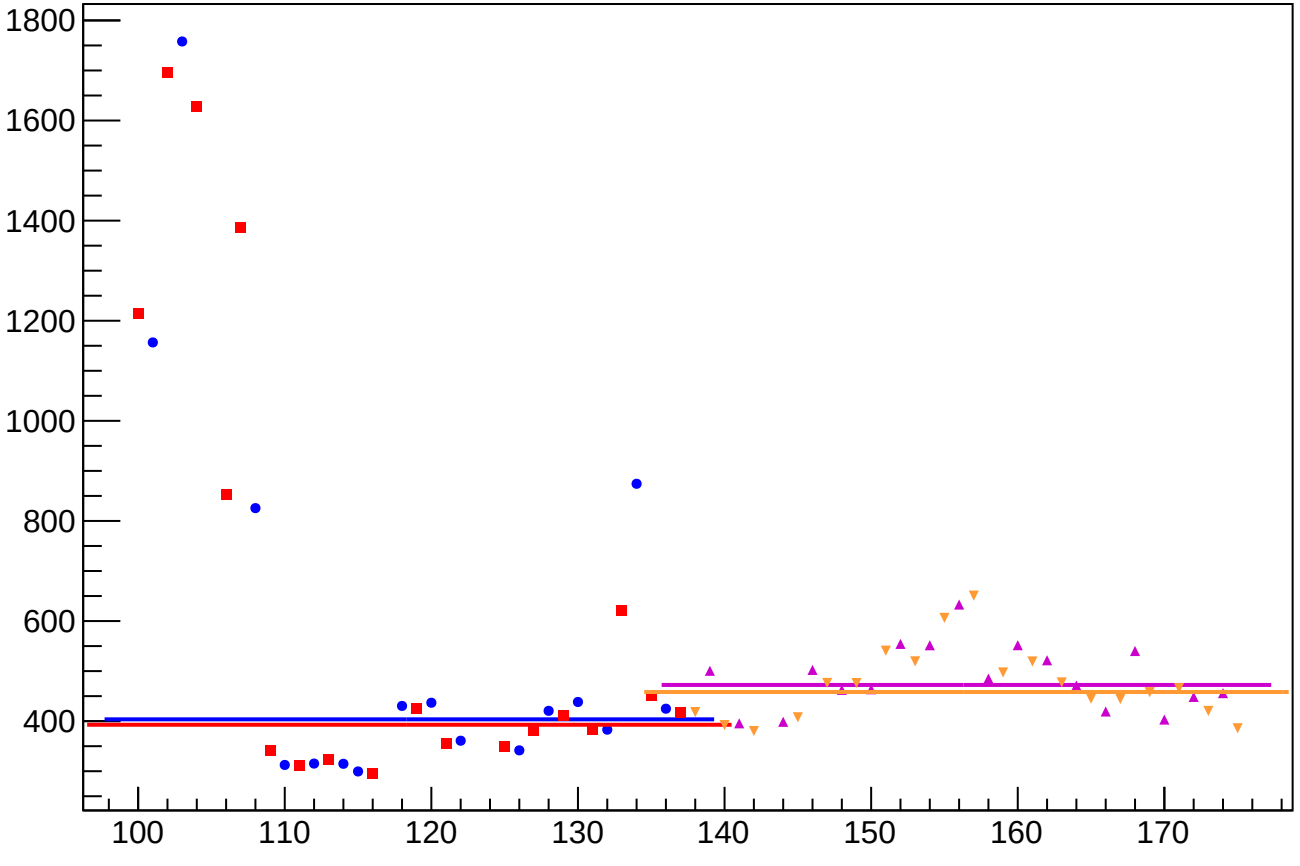
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 1.570+/-98.277 χ^2/NDF:40.3/33

Out: -142.387+/-95.602 χ^2/NDF:72.1/36

All: -72.394+/-68.527 χ^2/NDF: 113.5/70

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 458.261+/-0.085 χ^2/NDF:541724.9/18

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 472.351+/-0.087 χ^2/NDF:468919.2/17

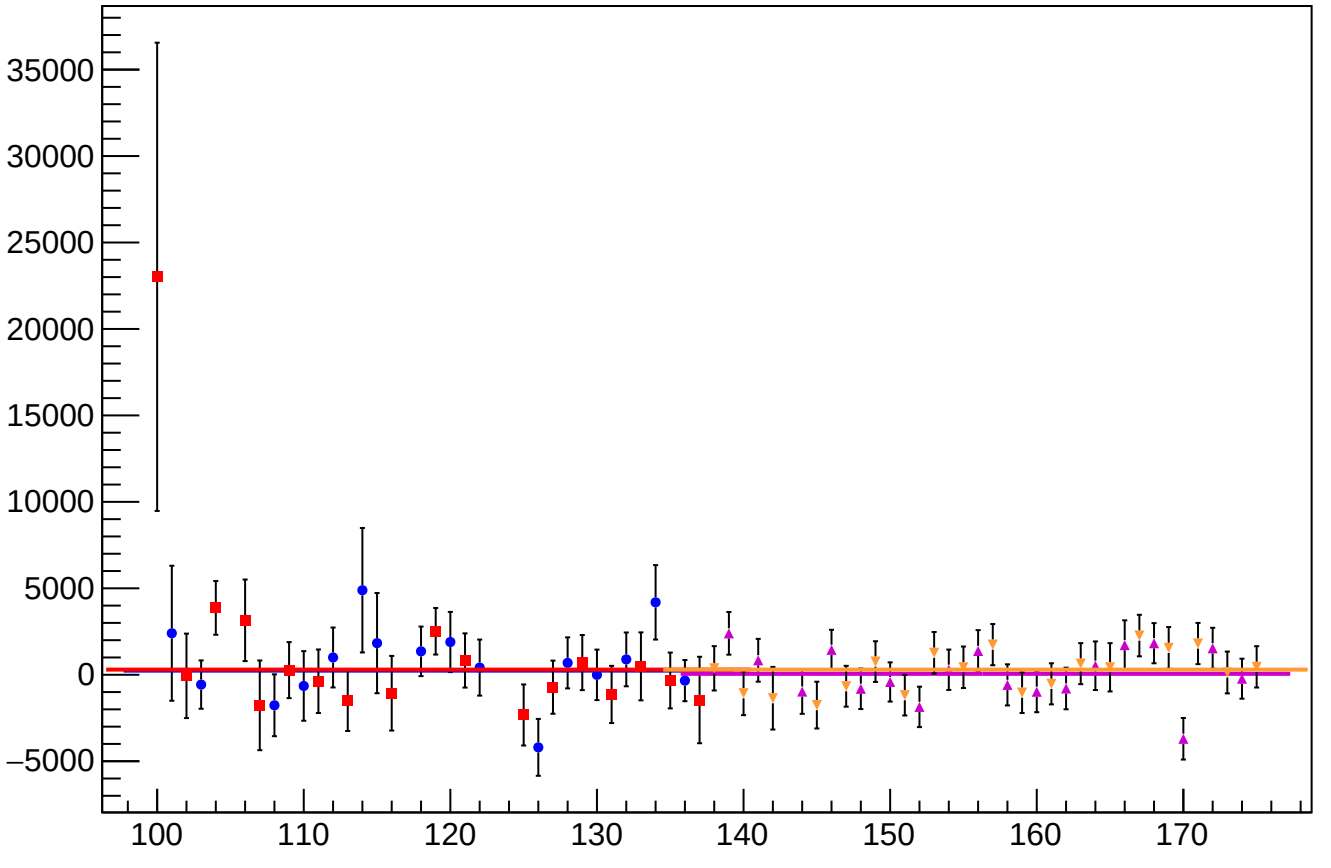
Left: 465.076+/-0.061 χ^2/NDF: 1024043.8/36

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 447.022+/-0.069 χ^2/NDF:2625978.1/33

Out: 434.551+/-0.068 χ^2/NDF:2961694.8/36

All: 440.615+/-0.048 χ^2/NDF: 5604218.3/70



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.177+/-283.360 χ^2/NDF:16.1/18

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 53.809+/-284.953 χ^2/NDF:27.4/17

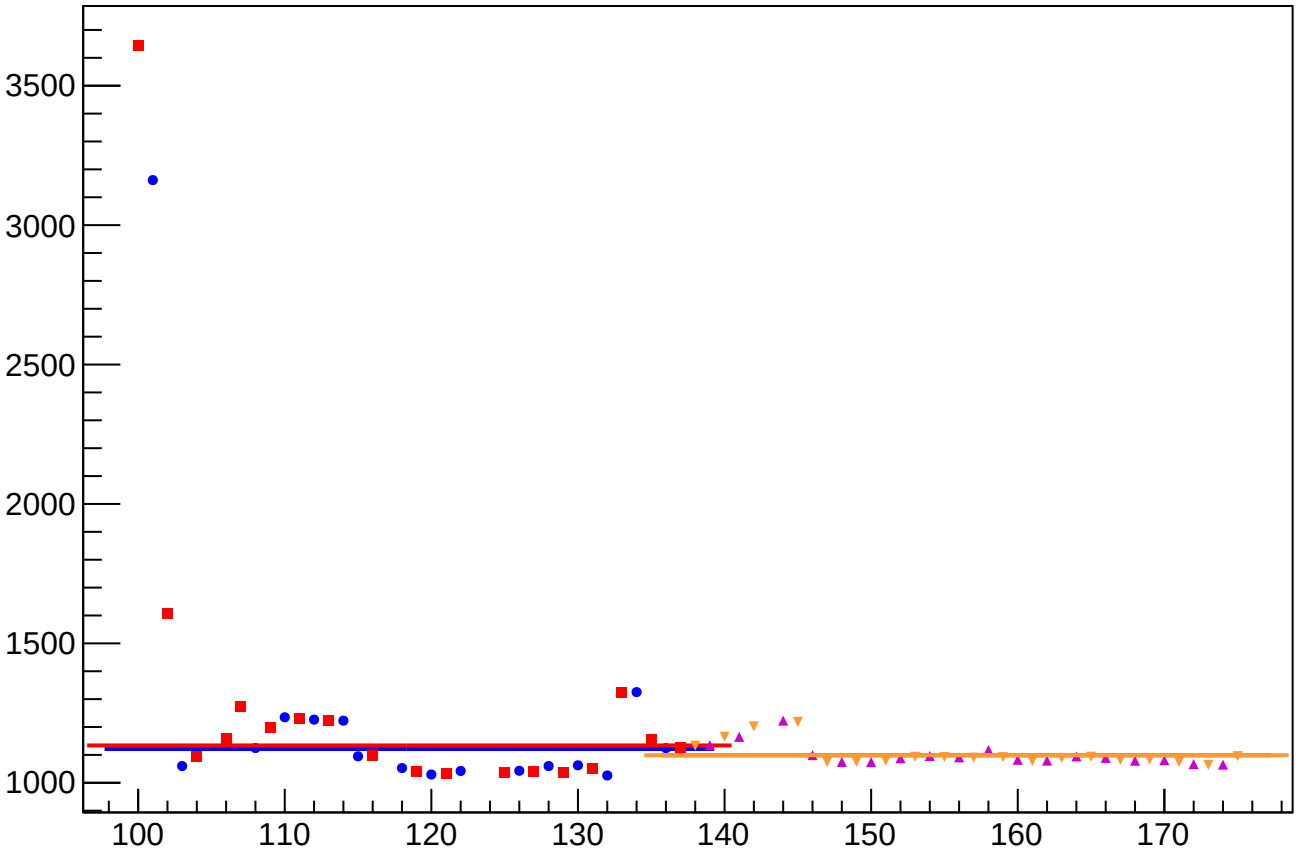
Left: 176.175+/-200.926 χ^2/NDF: 43.9/36

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 111.510+/-236.952 χ^2/NDF:44.5/33

Out: 297.704+/-236.734 χ^2/NDF:34.8/36

All: 204.693+/-167.473 χ^2/NDF: 79.6/70



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.9/18

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.2/17

Left: 1098.776+/-0.142 χ^2/NDF: 68902.2/36

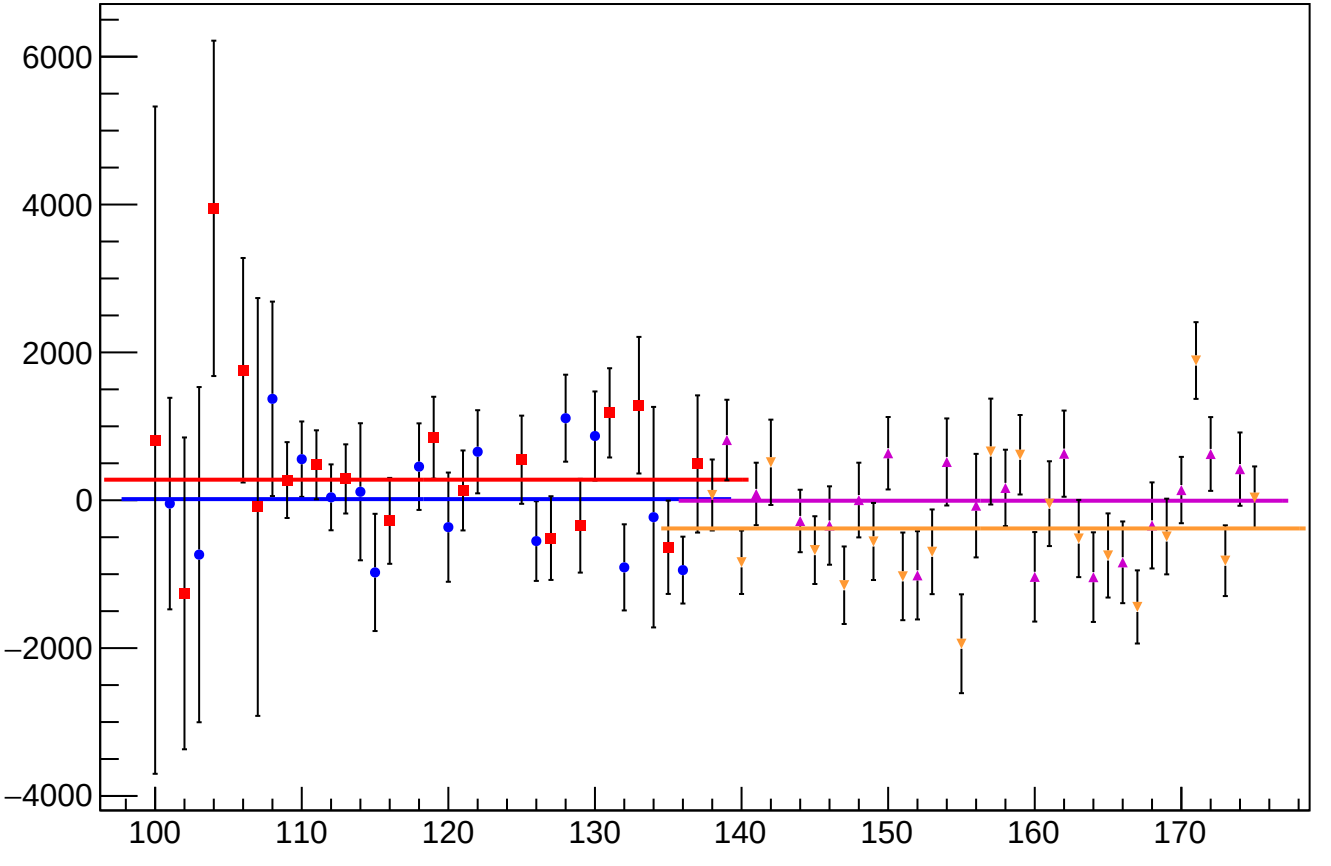
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.619+/-0.168 χ^2/NDF:654497.6/33

Out: 1109.496+/-0.167 χ^2/NDF:272012.5/36

All: 1107.560+/-0.118 χ^2/NDF: 926777.9/70

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -381.379+/-119.719 χ^2/NDF:46.0/18

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -6.443+/-123.692 χ^2/NDF:20.7/17

Left: -200.029+/-86.024 χ^2/NDF: 71.4/36

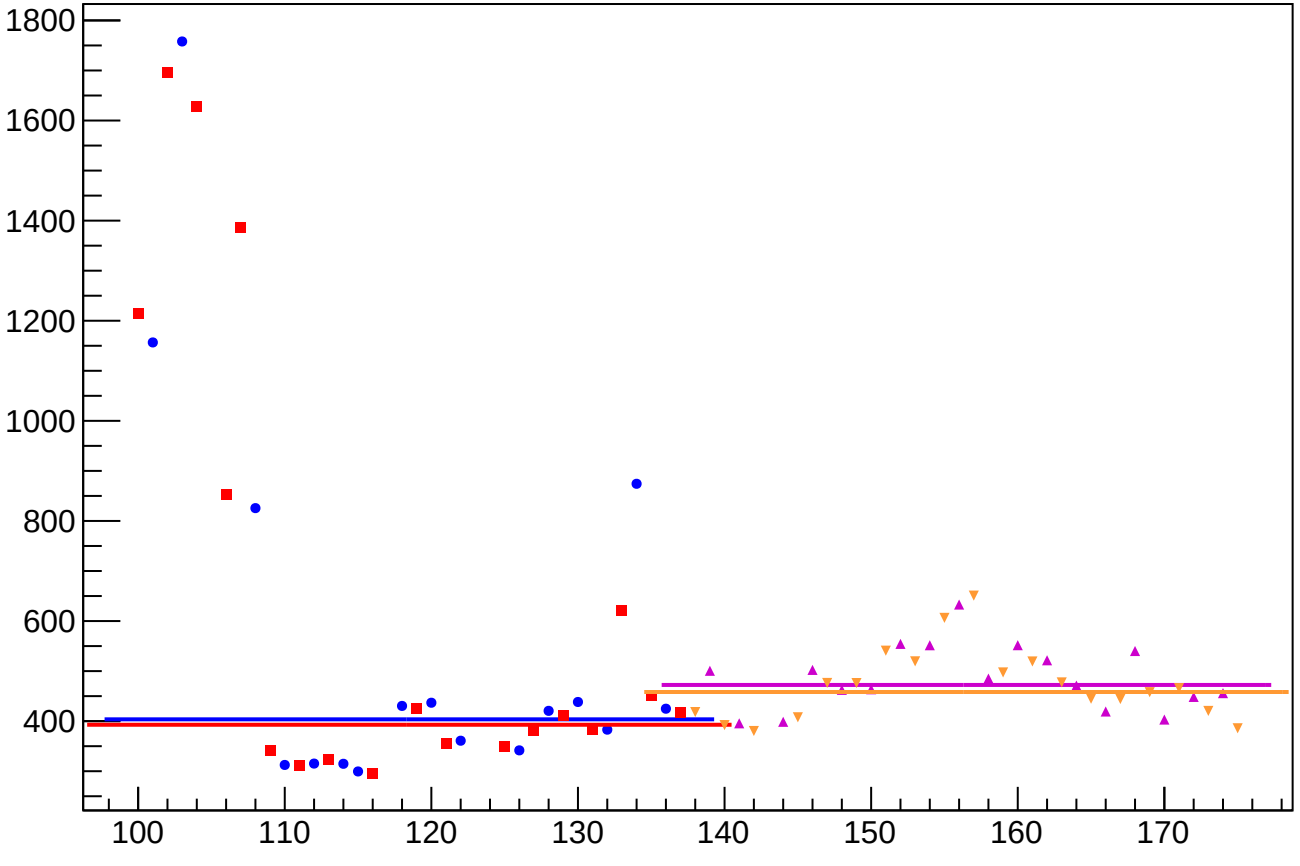
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 1.570+/-98.276 χ^2/NDF:40.3/33

Out: -142.387+/-95.602 χ^2/NDF:72.1/36

All: -72.394+/-68.527 χ^2/NDF: 113.5/70

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 458.261+/-0.085 χ^2/NDF:541748.1/18

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 472.352+/-0.087 χ^2/NDF:468930.9/17

Left: 465.076+/-0.061 χ^2/NDF: 1024079.6/36

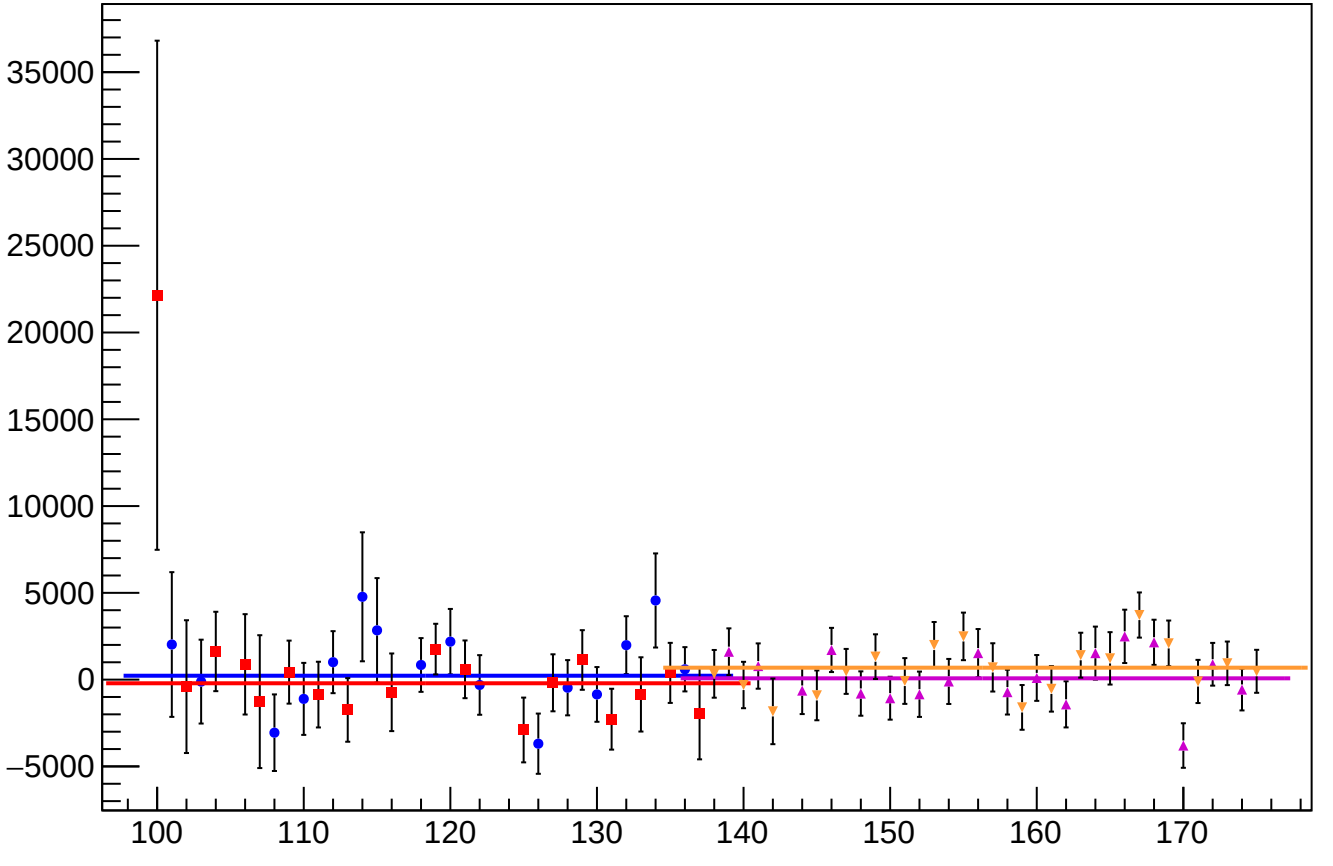
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 447.021+/-0.069 χ^2/NDF:2626011.0/33

Out: 434.550+/-0.068 χ^2/NDF:2961746.7/36

All: 440.613+/-0.048 χ^2/NDF: 5604304.1/70

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 687.812+/-307.601 χ^2/NDF:18.4/18

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 75.242+/-309.943 χ^2/NDF:23.9/17

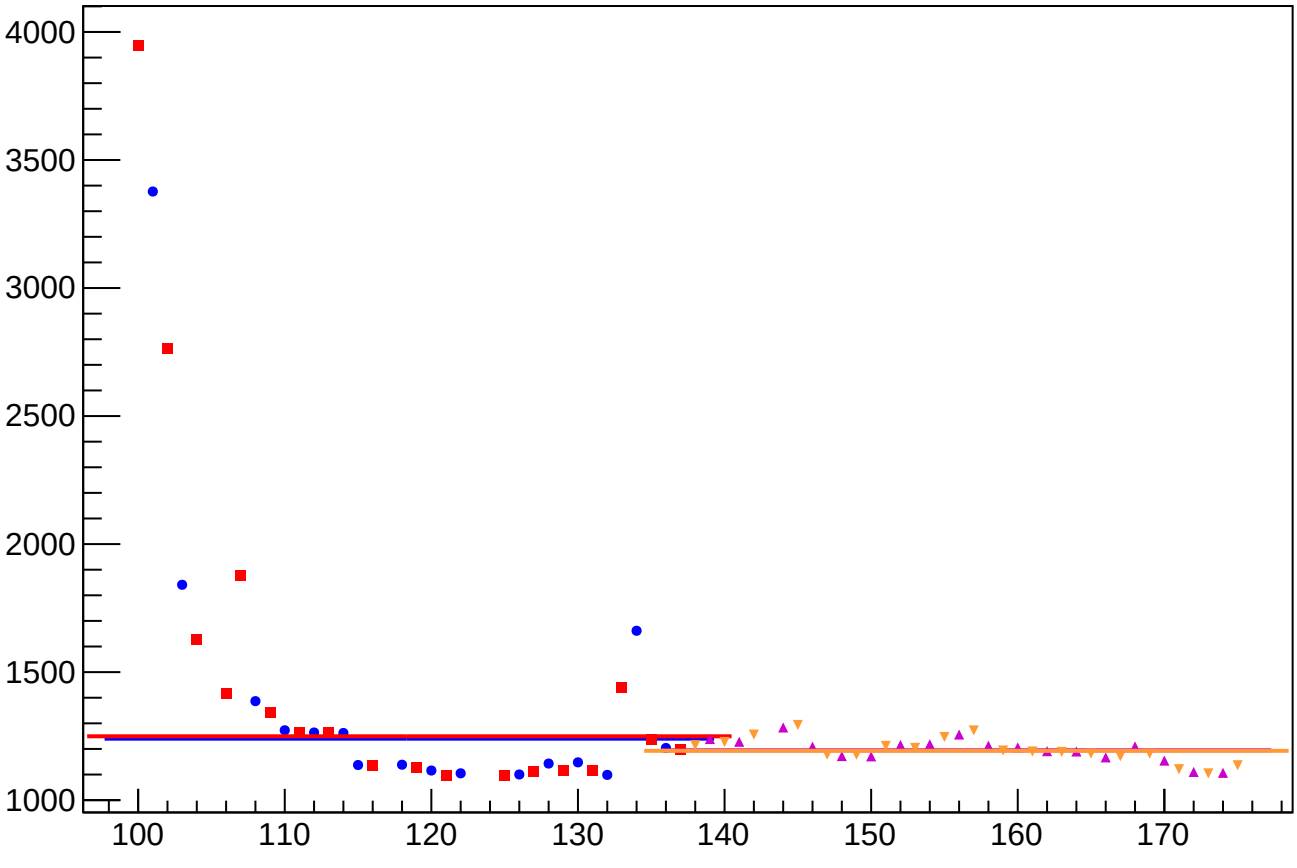
Left: 383.850+/-218.330 χ^2/NDF: 44.3/36

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 119.967+/-259.500 χ^2/NDF:40.0/33

Out: 424.826+/-258.641 χ^2/NDF:31.9/36

All: 272.902+/-183.190 χ^2/NDF: 72.6/70



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1192.726+/-0.218 χ^2/NDF:46217.8/18

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1194.750+/-0.219 χ^2/NDF:42430.8/17

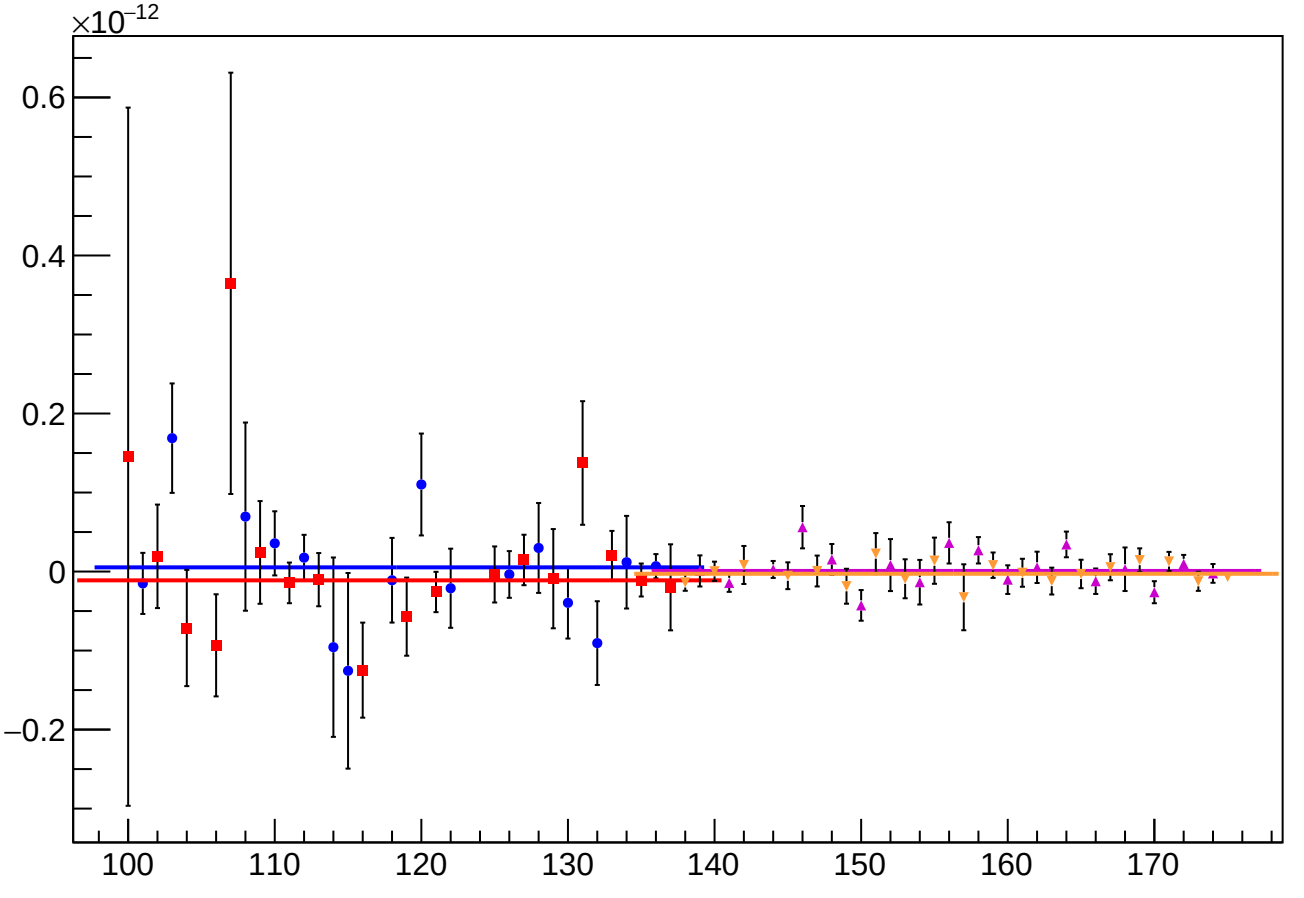
Left: 1193.731+/-0.154 χ^2/NDF: 88691.6/36

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1208.323+/-0.183 χ^2/NDF:837935.8/33

Out: 1209.335+/-0.183 χ^2/NDF:672216.6/36

All: 1208.830+/-0.130 χ^2/NDF: 1510167.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/18

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

Left In: 0.000+/-0.000 χ^2/NDF:26.0/17

Left: -0.000+/-0.000 χ^2/NDF: 35.3/36

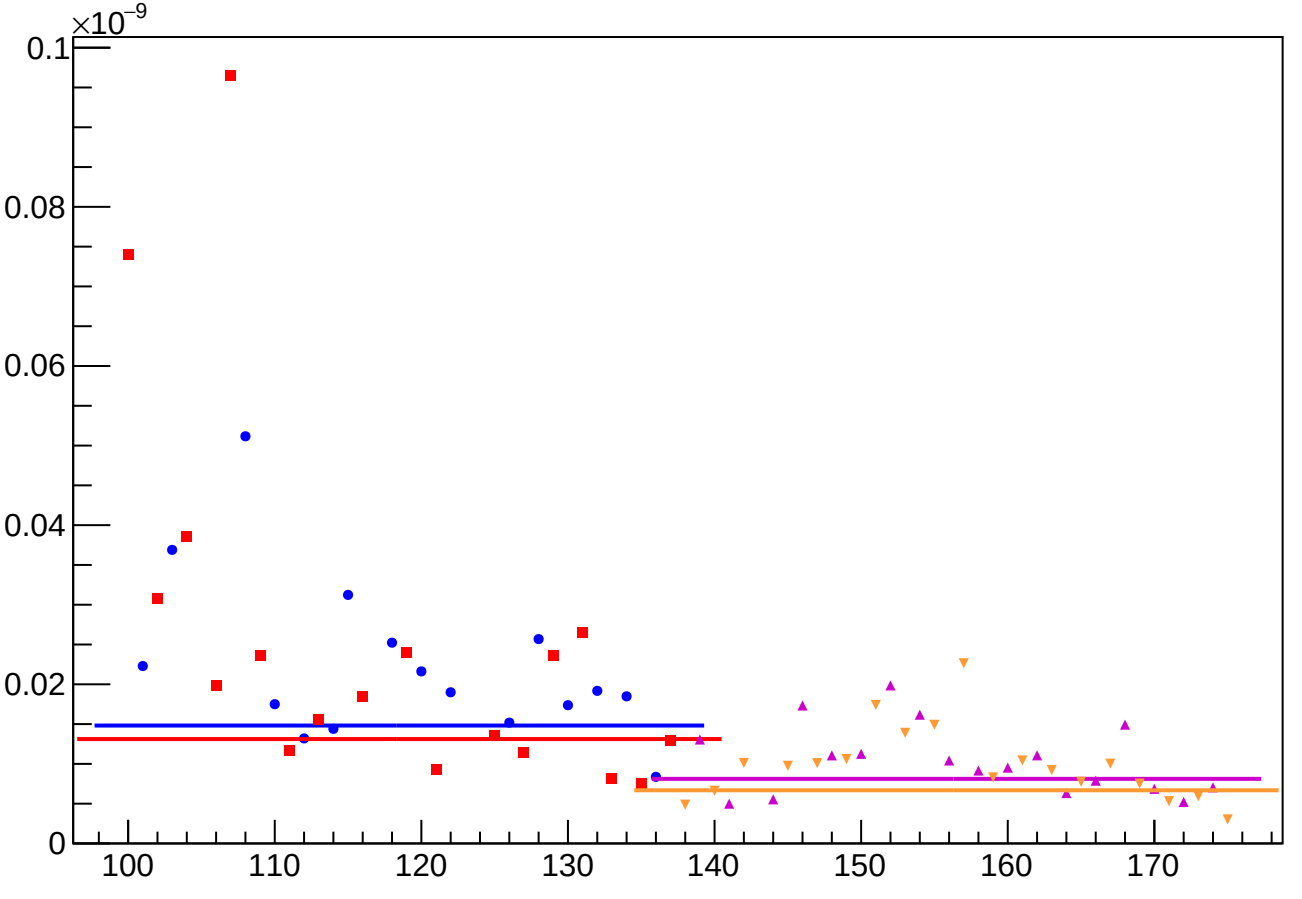
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:42.6/33

Out: -0.000+/-0.000 χ^2/NDF:24.5/36

All: -0.000+/-0.000 χ^2/NDF: 68.3/70

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235965.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1533903.4/17

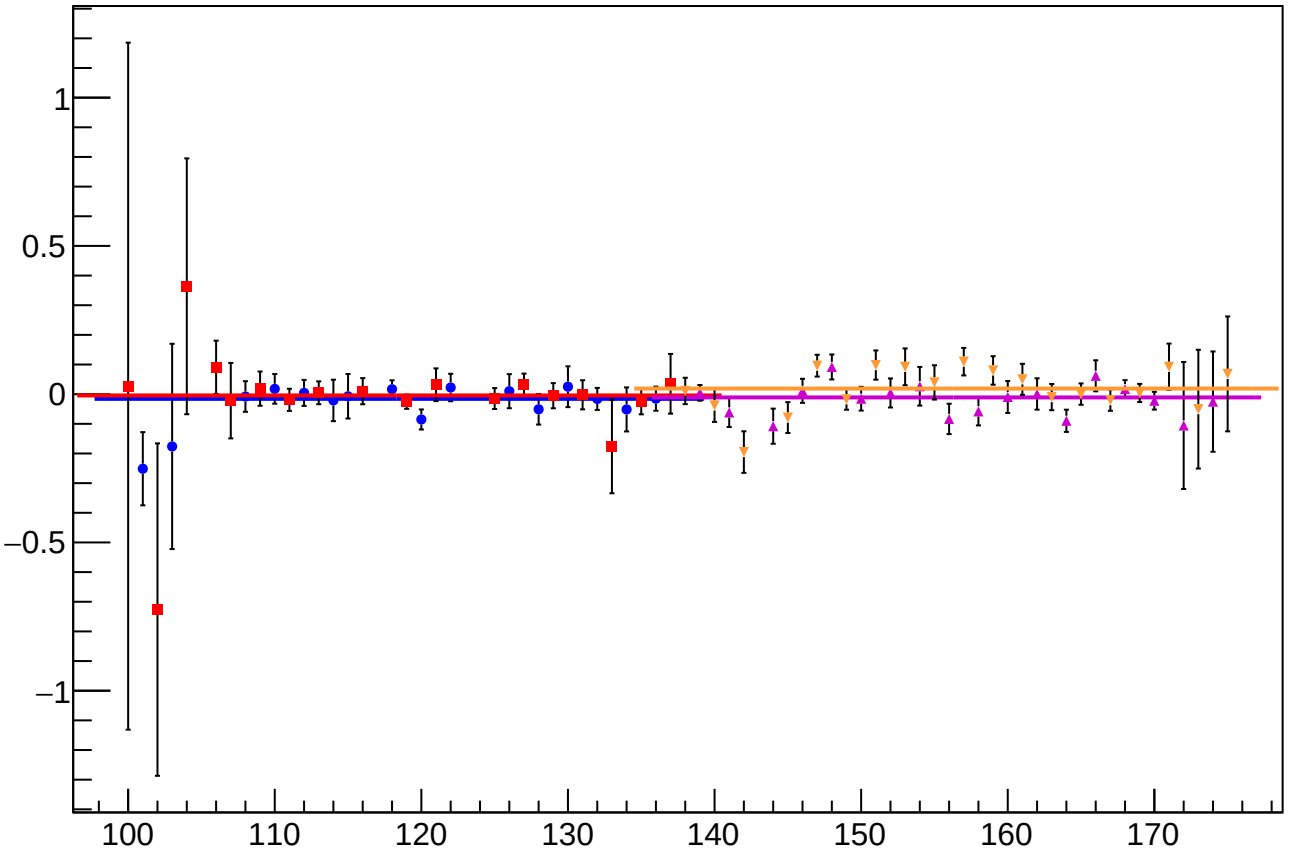
Left: 0.000+/-0.000 χ^2/NDF: 3930192.8/36

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3446609.7/33

Out: 0.000+/-0.000 χ^2/NDF:4257644.9/36

All: 0.000+/-0.000 χ^2/NDF: 7945585.1/70



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.9/36

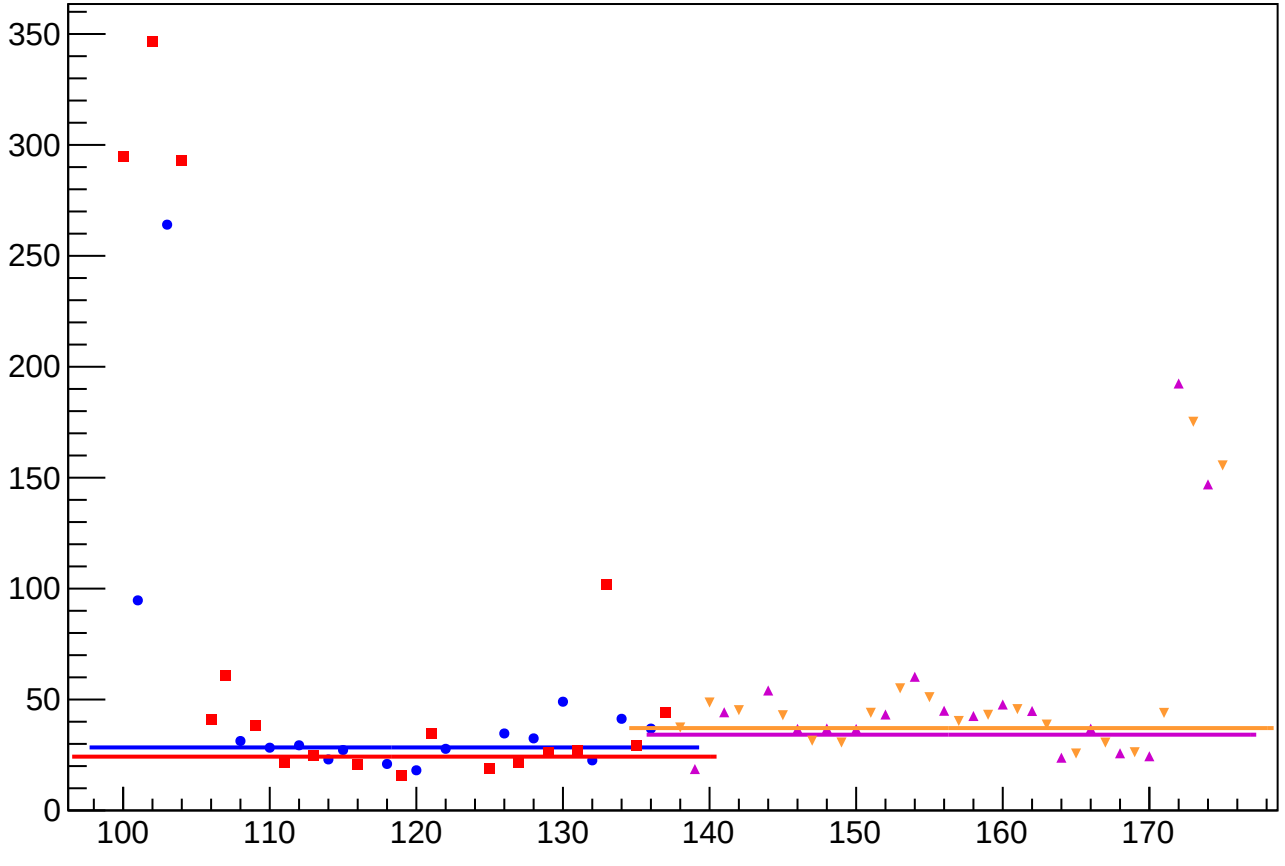
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/70

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907736.2/18

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

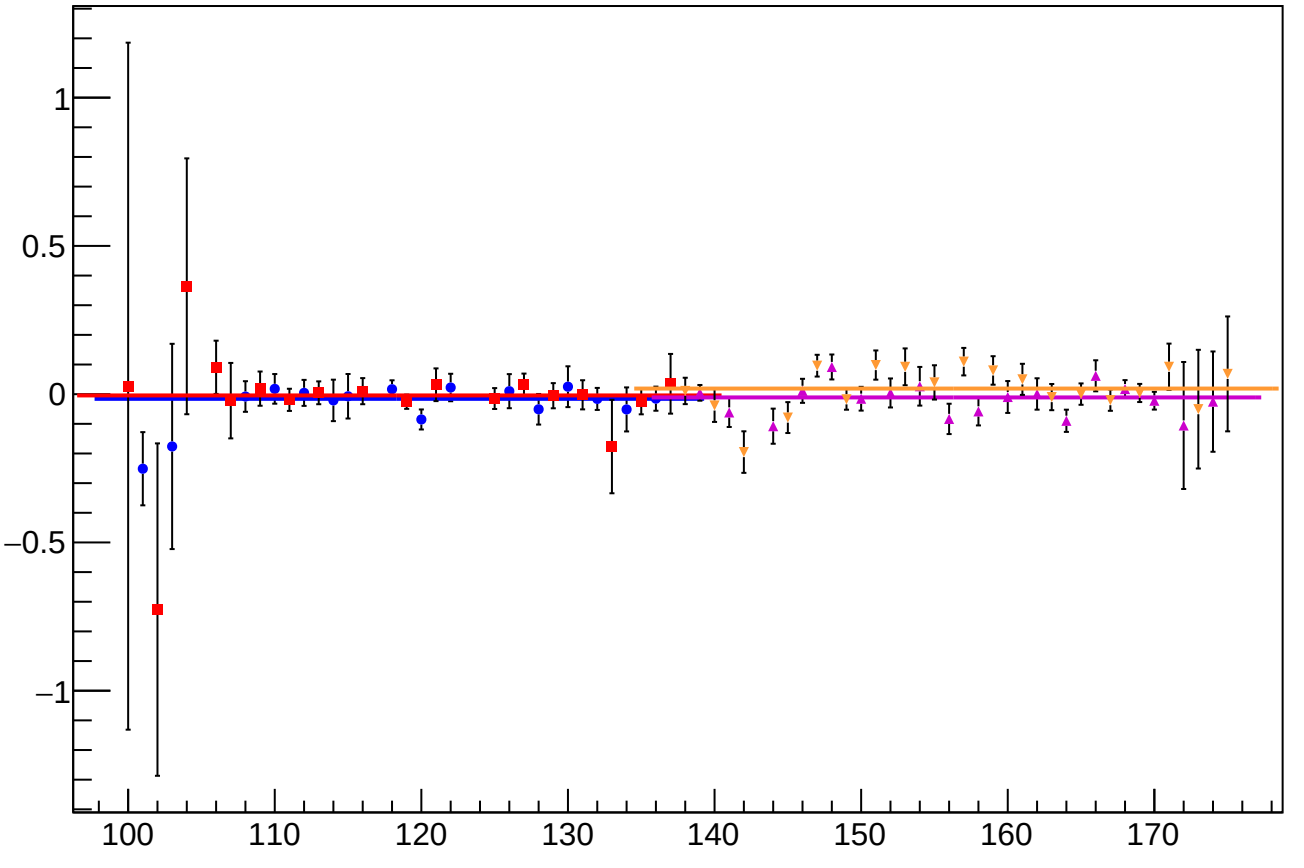
Left: 35.563+/-0.005 χ^2/NDF: 7265511.1/36

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.791+/-0.006 χ^2/NDF:6780289.4/33

Out: 31.042+/-0.006 χ^2/NDF:7156808.7/36

All: 31.416+/-0.004 χ^2/NDF: 13946135.1/70



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.9/36

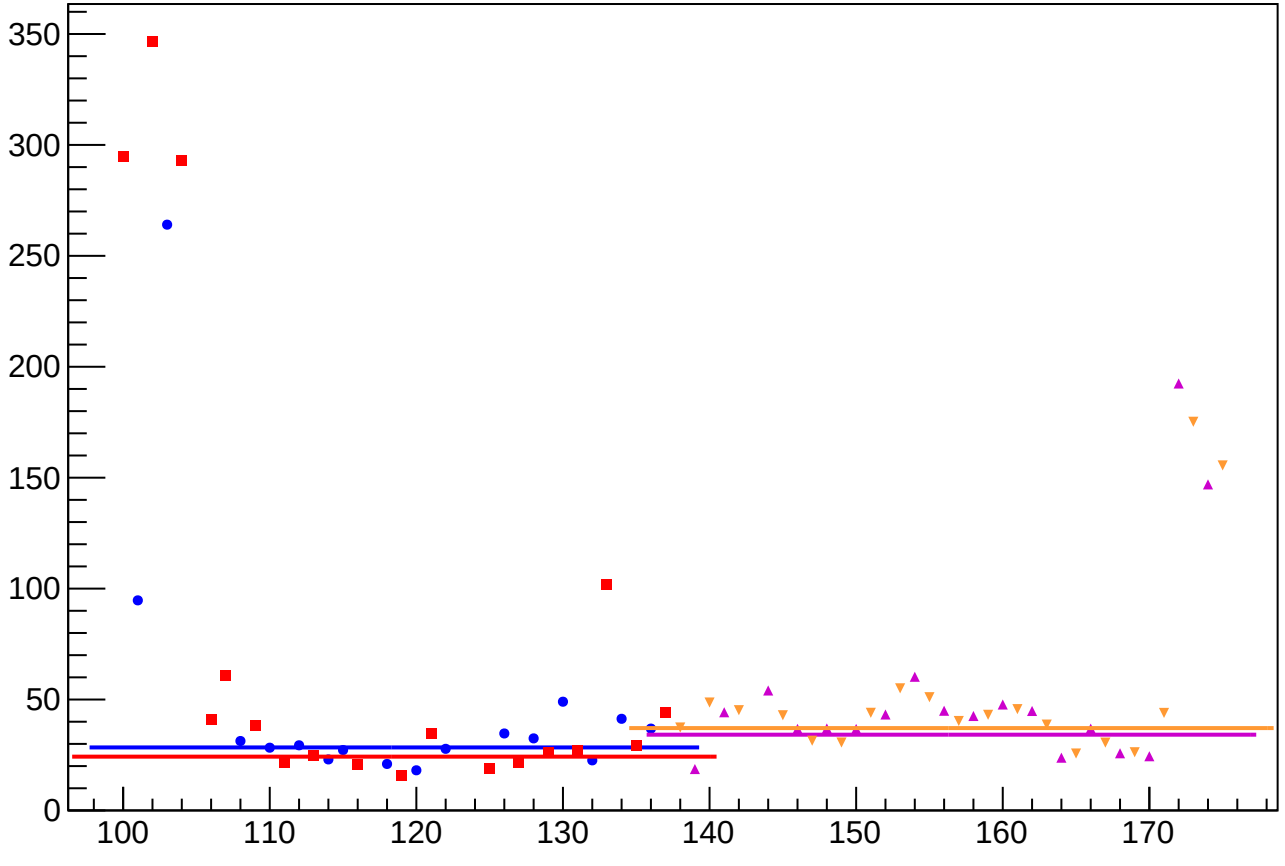
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/70

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907736.2/18

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

Left: 35.563+/-0.005 χ^2/NDF: 7265511.1/36

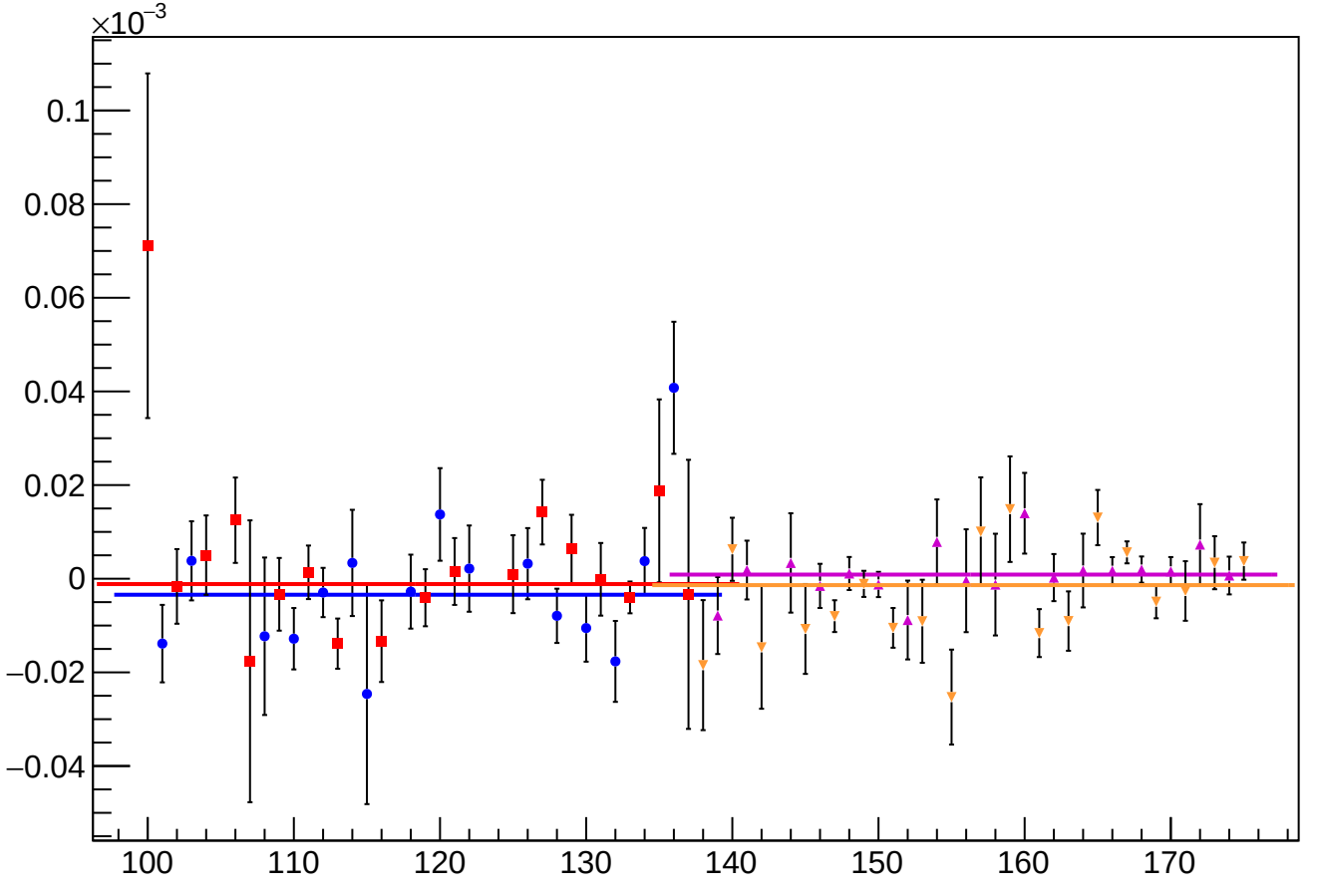
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.791+/-0.006 χ^2/NDF:6780289.4/33

Out: 31.042+/-0.006 χ^2/NDF:7156808.7/36

All: 31.416+/-0.004 χ^2/NDF: 13946135.1/70

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/17

Left: -0.000+/-0.000 χ^2/NDF: 55.7/36

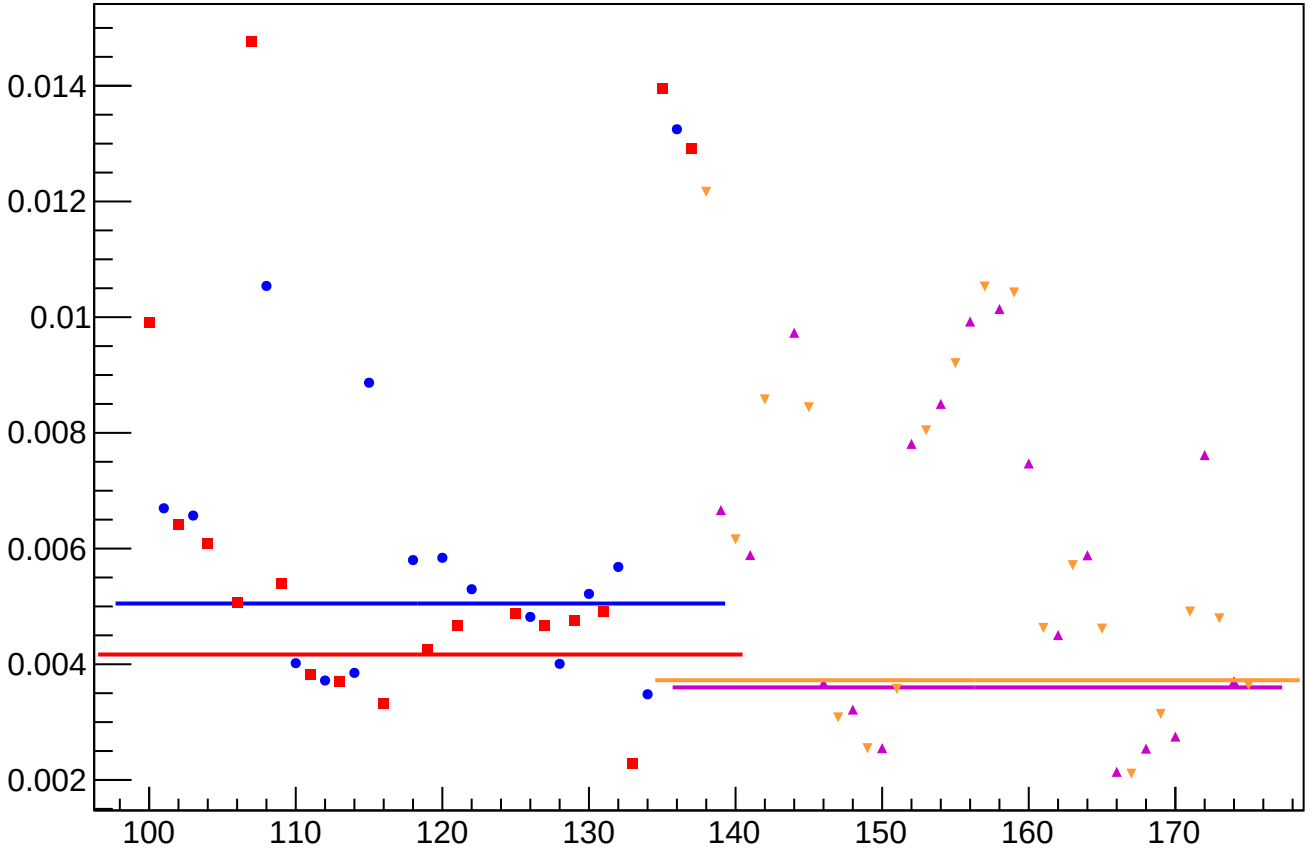
Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.9/33

Out: -0.000+/-0.000 χ^2/NDF:69.4/36

All: -0.000+/-0.000 χ^2/NDF: 106.1/70

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6092995.1/18

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:6025865.9/17

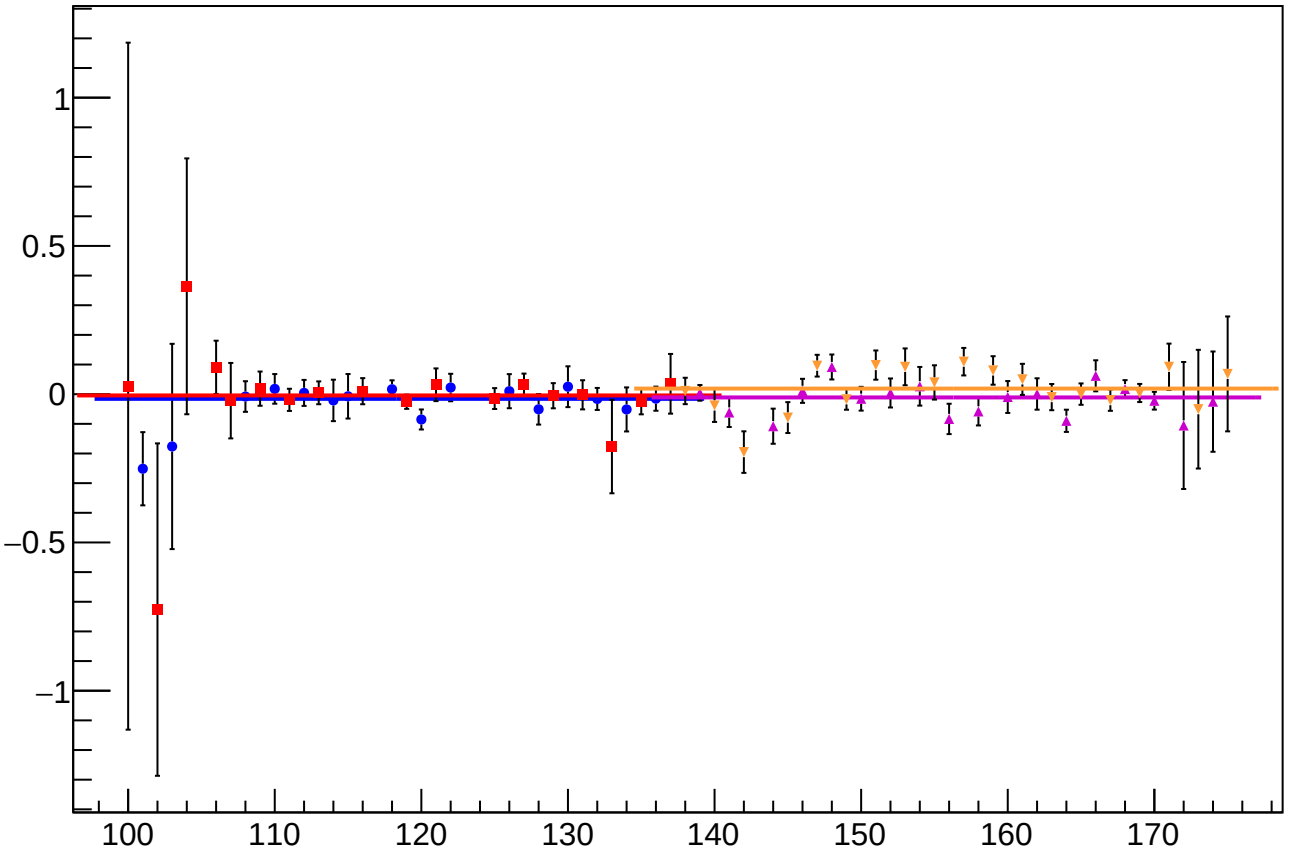
Left: 0.004+/-0.000 χ^2/NDF: 12131650.9/36

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:8317457.6/33

Out: 0.004+/-0.000 χ^2/NDF:8231612.0/36

All: 0.004+/-0.000 χ^2/NDF: 16554266.6/70



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

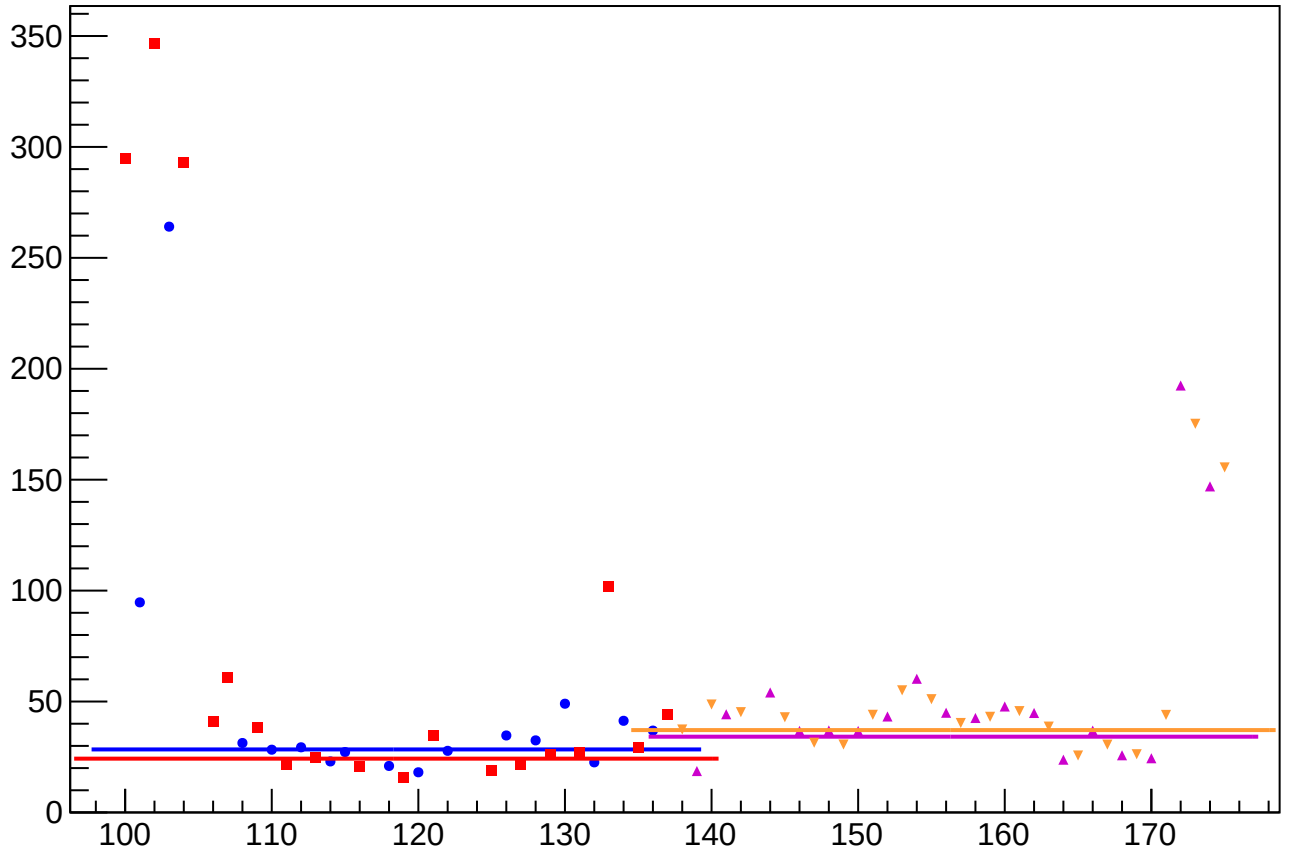
Left: 0.003+/-0.007 χ^2/NDF: 57.9/36

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/70



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907888.9/18

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

Left: 35.563+/-0.005 χ^2/NDF: 7266066.8/36

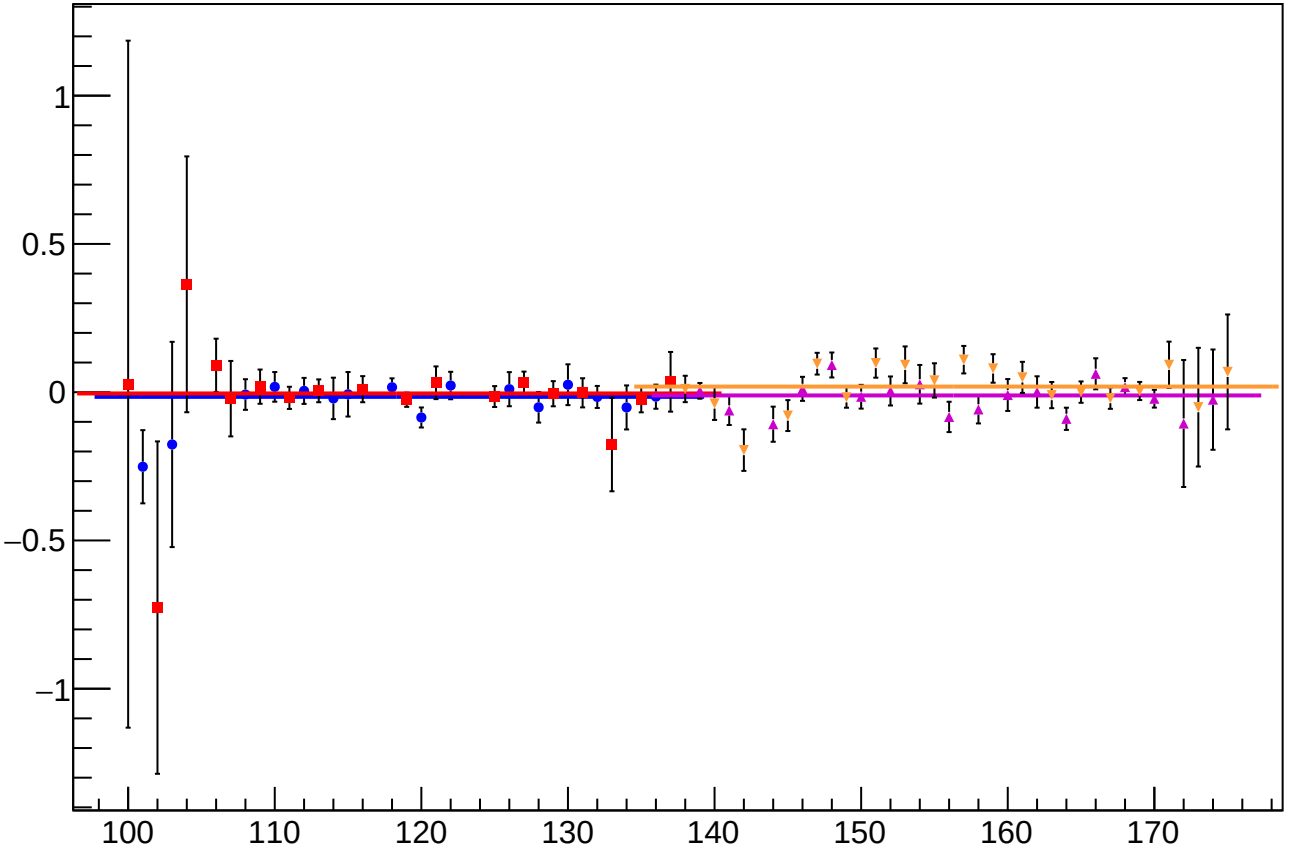
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.791+/-0.006 χ^2/NDF:6780689.4/33

Out: 31.041+/-0.006 χ^2/NDF:7157522.9/36

All: 31.415+/-0.004 χ^2/NDF: 13947273.9/70

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.9/36

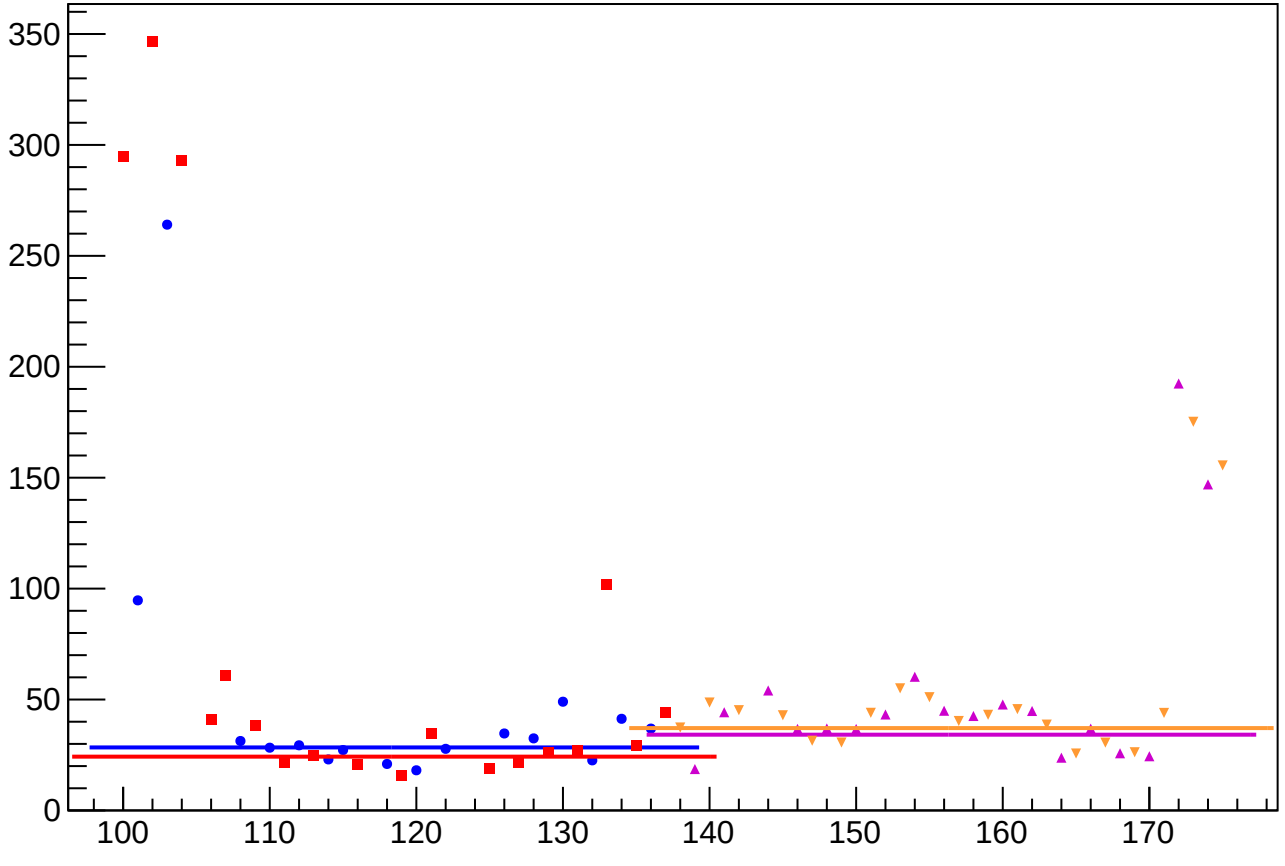
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/70

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907888.9/18

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

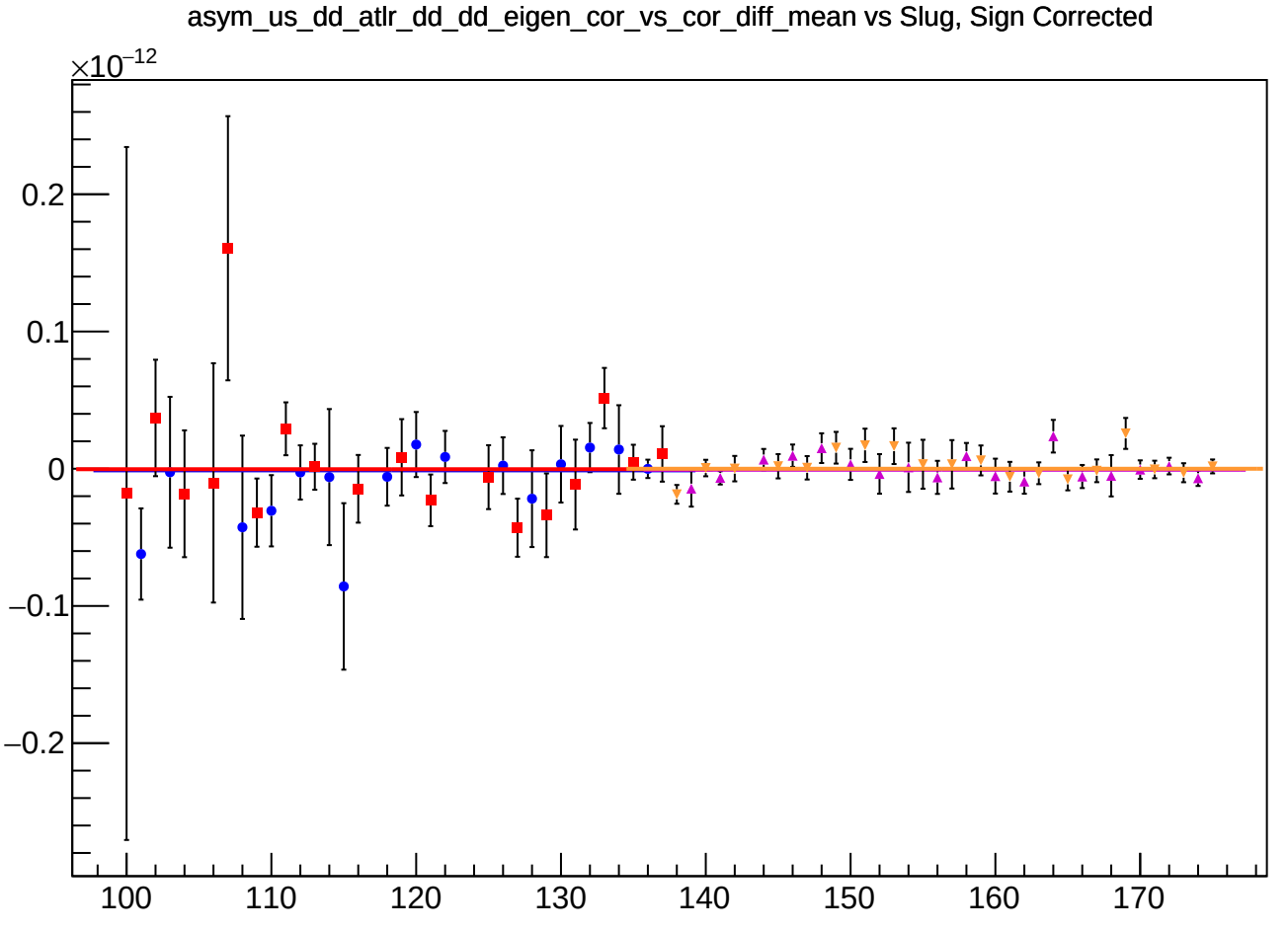
Left: 35.563+/-0.005 χ^2/NDF: 7266066.8/36

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.791+/-0.006 χ^2/NDF:6780689.4/33

Out: 31.041+/-0.006 χ^2/NDF:7157522.9/36

All: 31.415+/-0.004 χ^2/NDF: 13947273.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

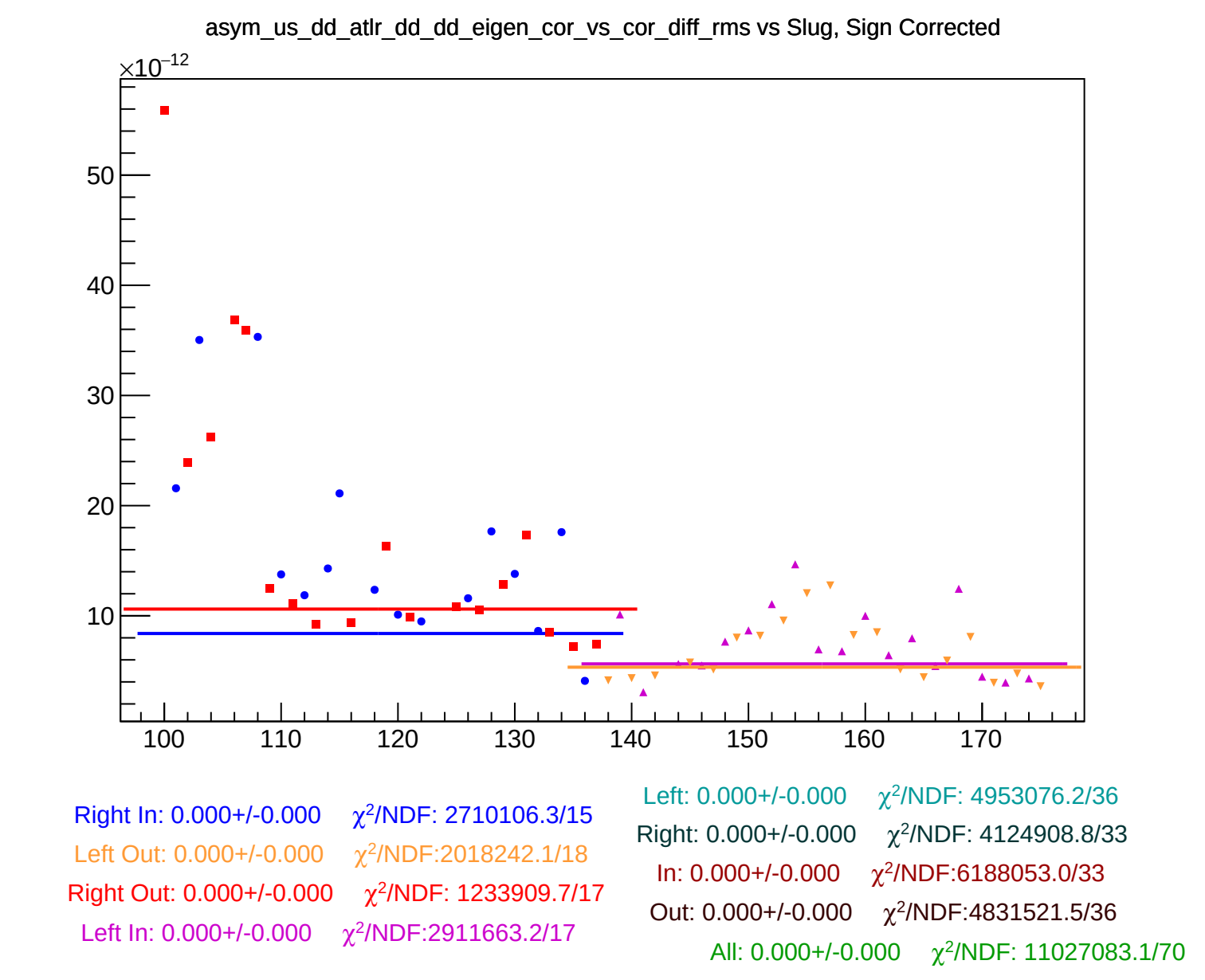
Left: -0.000+/-0.000 χ^2/NDF: 35.9/36

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

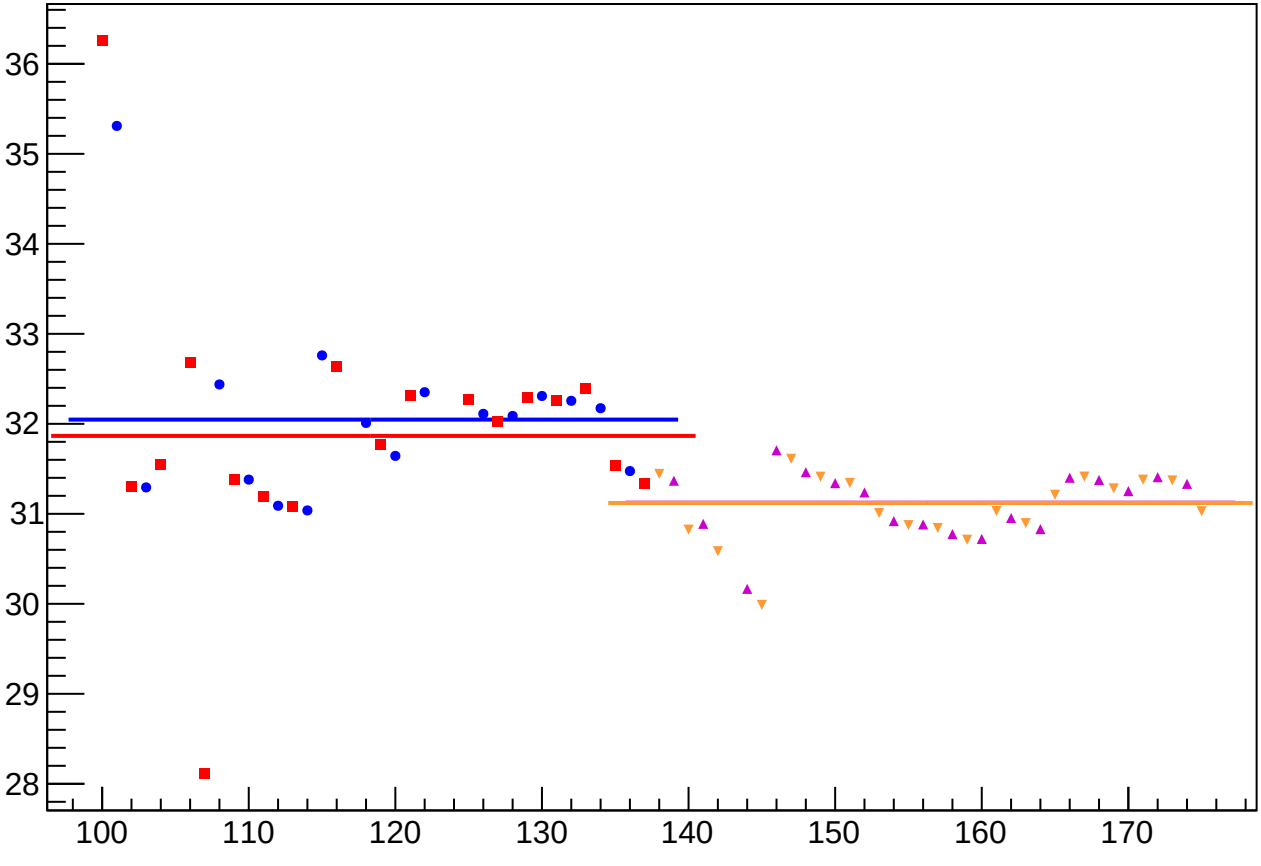
In: -0.000+/-0.000 χ^2/NDF:25.1/33

Out: -0.000+/-0.000 χ^2/NDF:41.2/36

All: -0.000+/-0.000 χ^2/NDF: 66.4/70


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2018242.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2911663.2/17
Left: 0.000+/-0.000 χ²/NDF: 4953076.2/36
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6188053.0/33
Out: 0.000+/-0.000 χ²/NDF:4831521.5/36
All: 0.000+/-0.000 χ²/NDF: 11027083.1/70

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.121+/-0.000 χ^2/NDF:269298372.9/18

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.124+/-0.000 χ^2/NDF:273929093.5/17

Left: 31.122+/-0.000 χ^2/NDF: 543239222.1/36

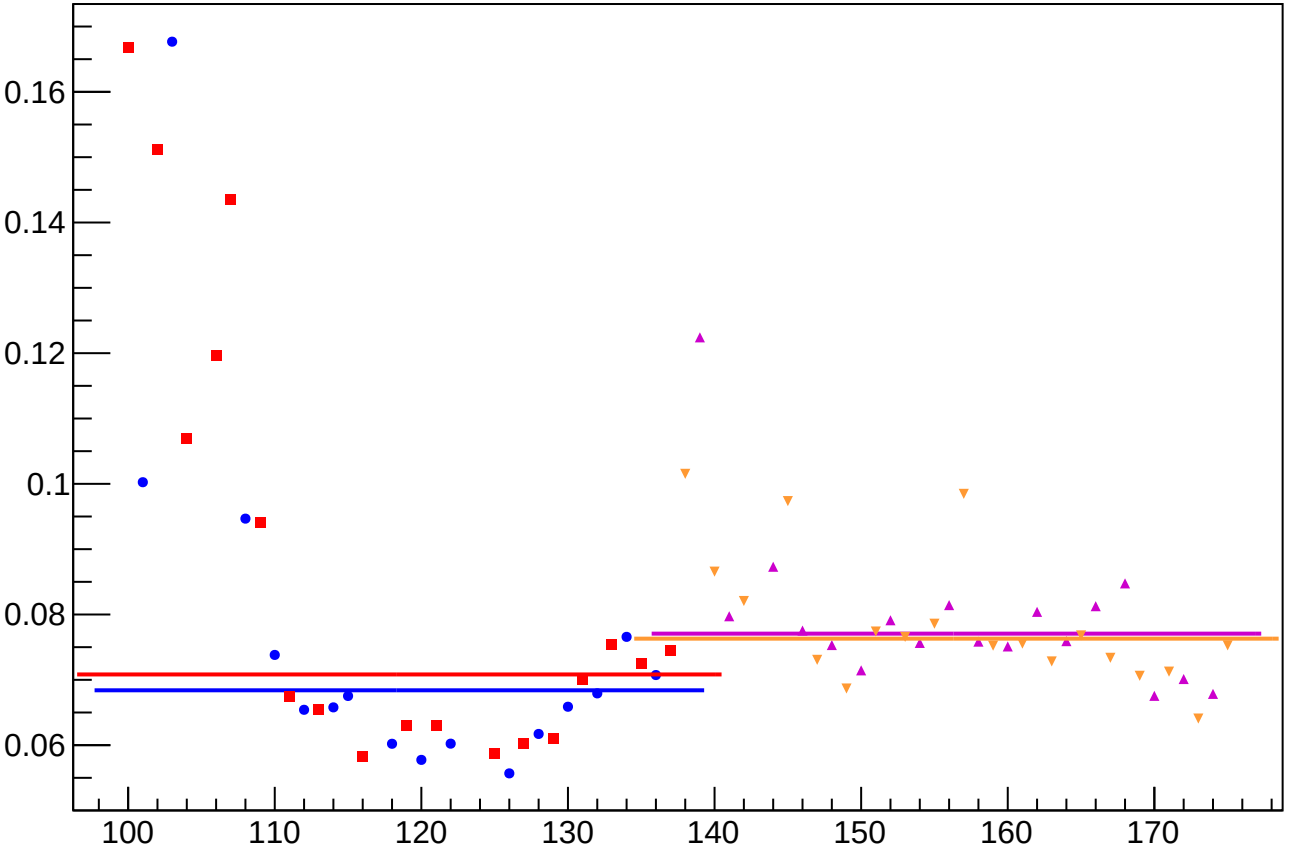
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.468+/-0.000 χ^2/NDF:1886912032.9/33

Out: 31.381+/-0.000 χ^2/NDF:1204153575.9/36

All: 31.425+/-0.000 χ^2/NDF: 3104862893.4/7

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:351618.6/18

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:351332.9/17

Left: 0.077+/-0.000 χ^2/NDF: 704296.1/36

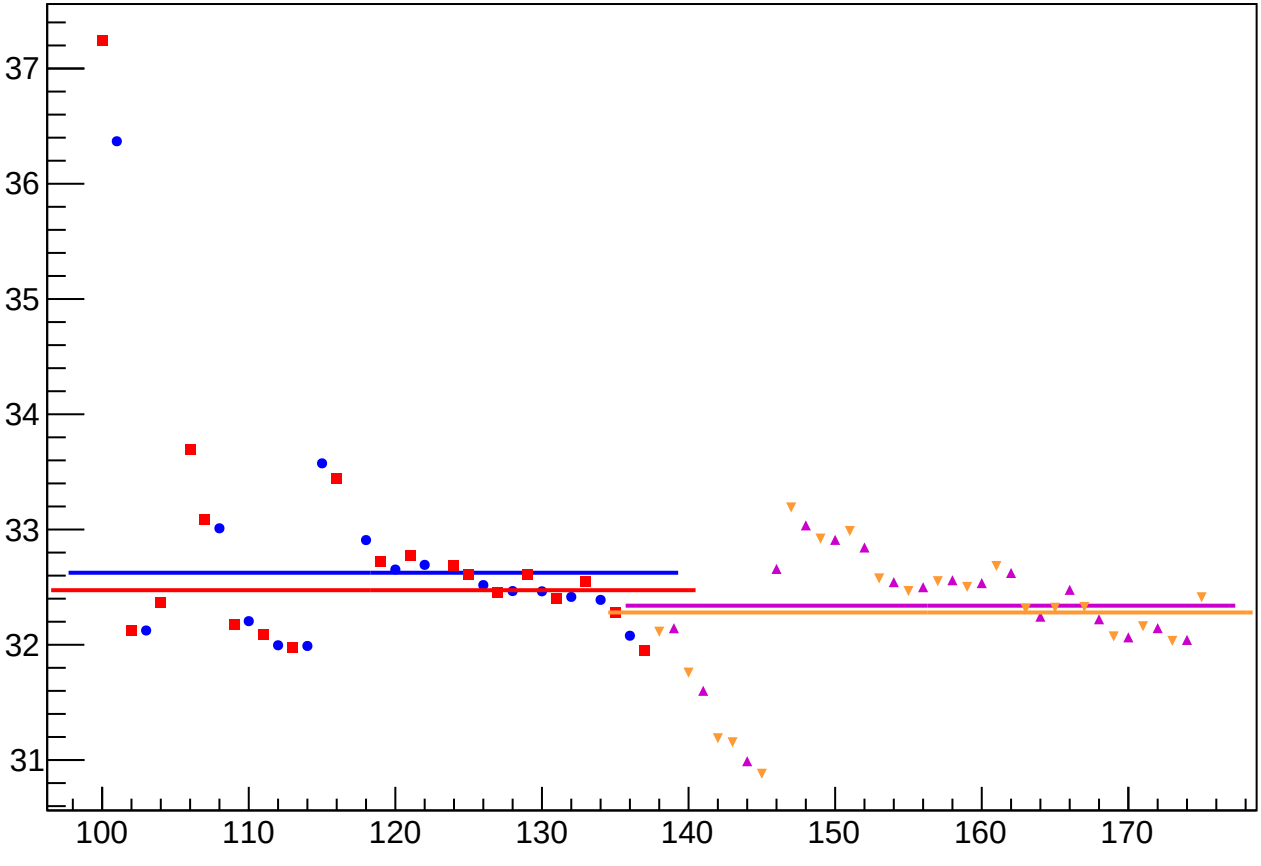
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1180654.9/33

Out: 0.074+/-0.000 χ^2/NDF:1268382.6/36

All: 0.074+/-0.000 χ^2/NDF: 2450153.1/70

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.280+/-0.000 χ^2/NDF:794871446.8/19

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.339+/-0.000 χ^2/NDF:574928908.9/17

Left: 32.309+/-0.000 χ^2/NDF: 1373881545.1/37

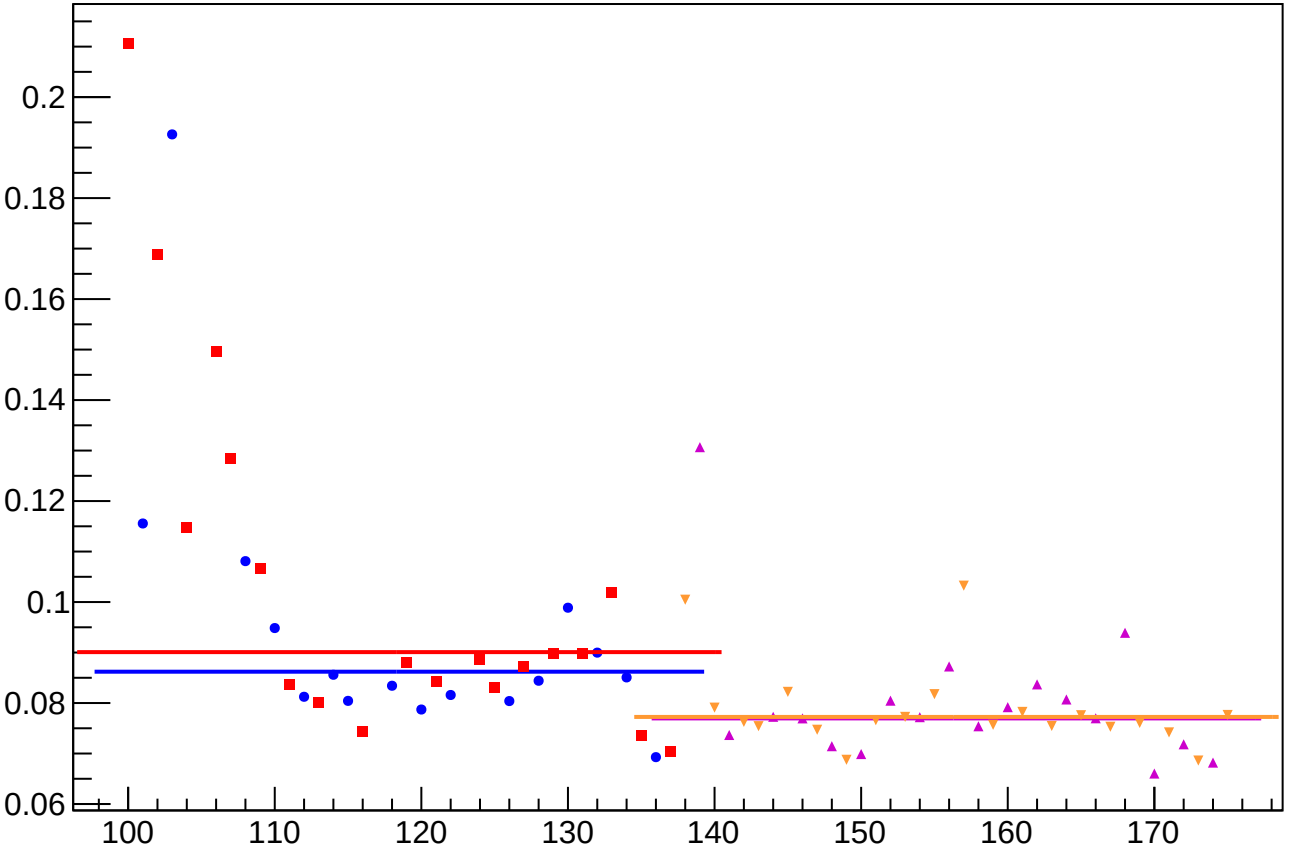
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.416+/-0.000 χ^2/NDF:1364483599.7/33

Out: 32.328+/-0.000 χ^2/NDF:973980812.4/38

All: 32.372+/-0.000 χ^2/NDF: 2350730862.7/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:229899.8/19

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:472107.2/17

Left: 0.077+/-0.000 χ^2/NDF: 702211.9/37

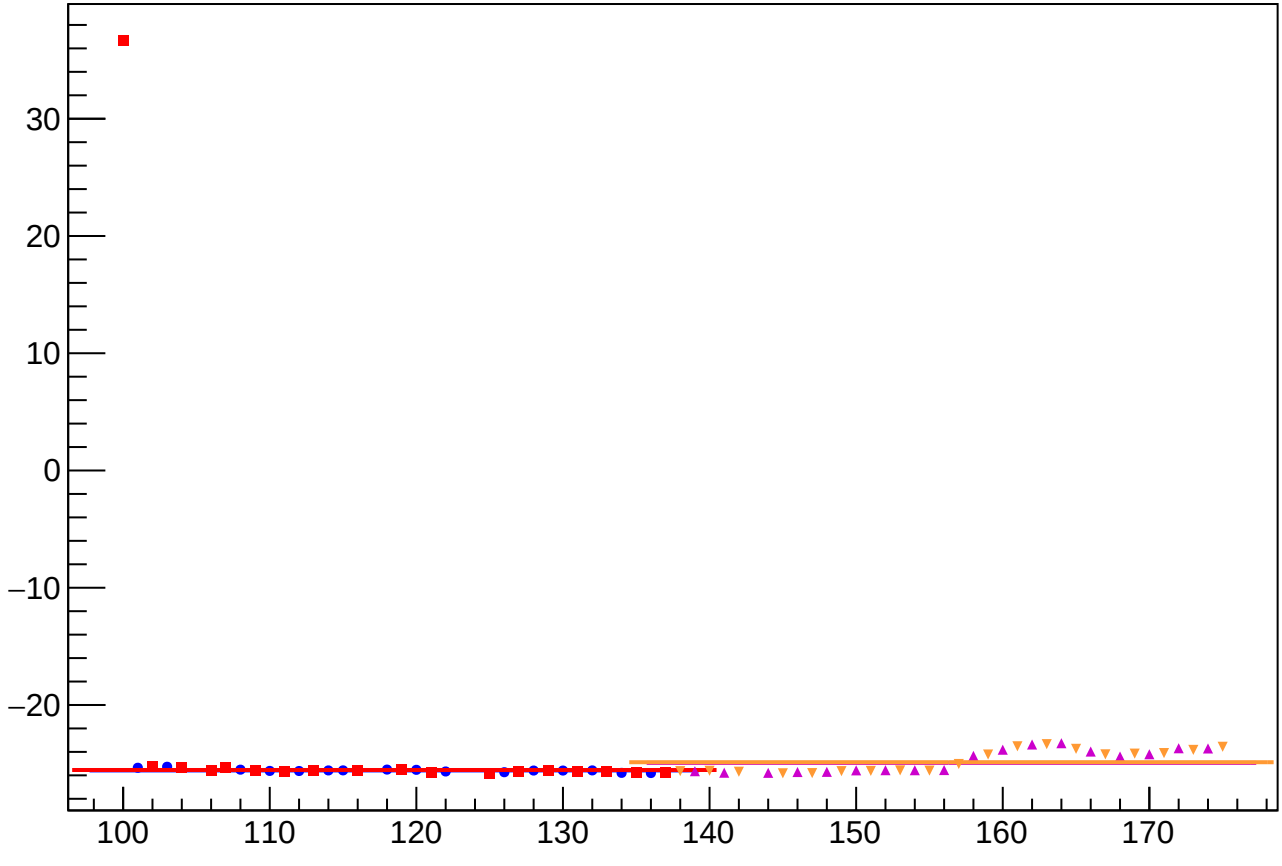
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1176516.4/33

Out: 0.080+/-0.000 χ^2/NDF:1048539.6/38

All: 0.080+/-0.000 χ^2/NDF: 2228137.2/72

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.881+/-0.000 χ^2/NDF:5809105427.8/18

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.938+/-0.000 χ^2/NDF:5951333844.3/17

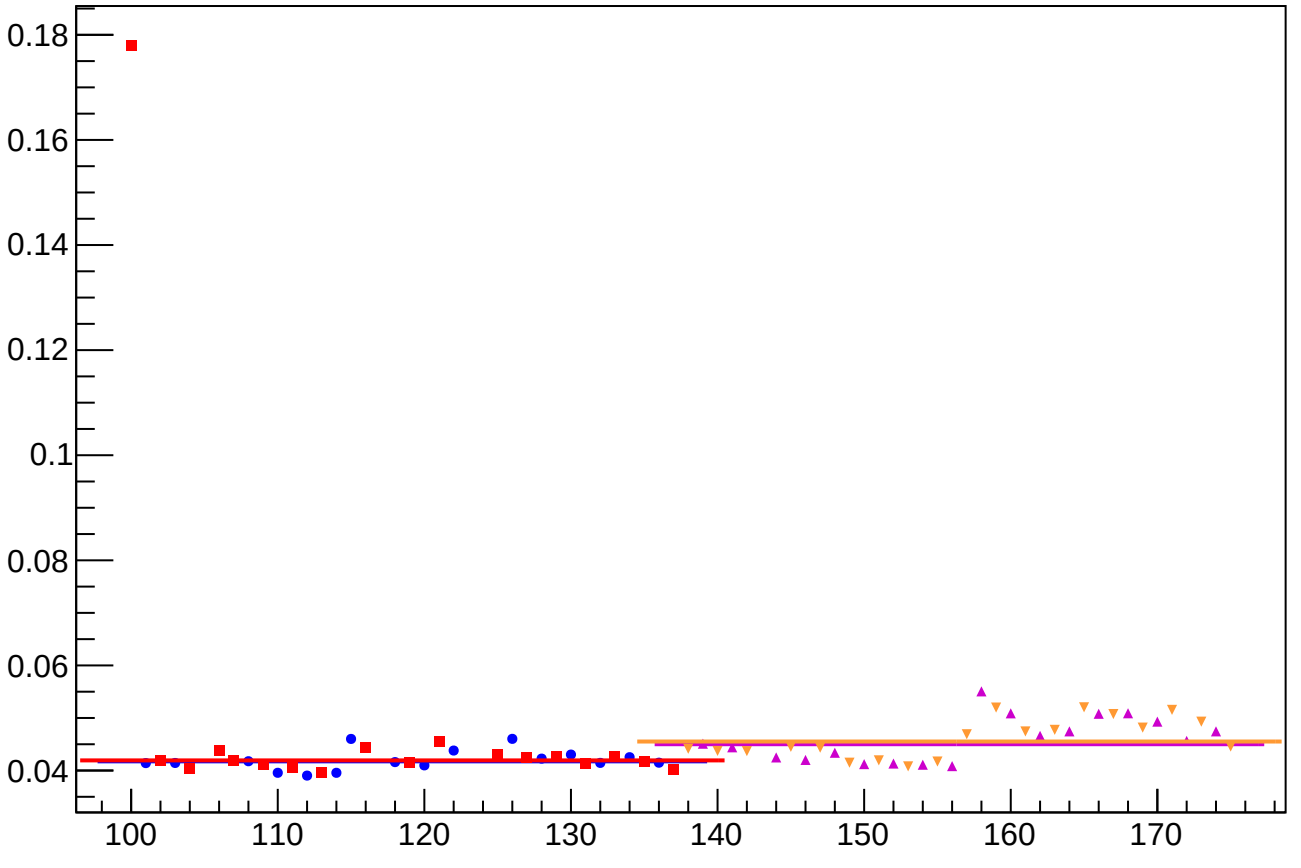
Left: -24.910+/-0.000 χ^2/NDF: 11771913582.7/36

Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.172+/-0.000 χ^2/NDF:7121869434.5/33

Out: -25.125+/-0.000 χ^2/NDF:15858135955.6/36

All: -25.149+/-0.000 χ^2/NDF: 22992194955.1



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.046+/-0.000 χ^2/NDF:174875.3/18

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:215956.5/17

Left: 0.045+/-0.000 χ^2/NDF: 392688.7/36

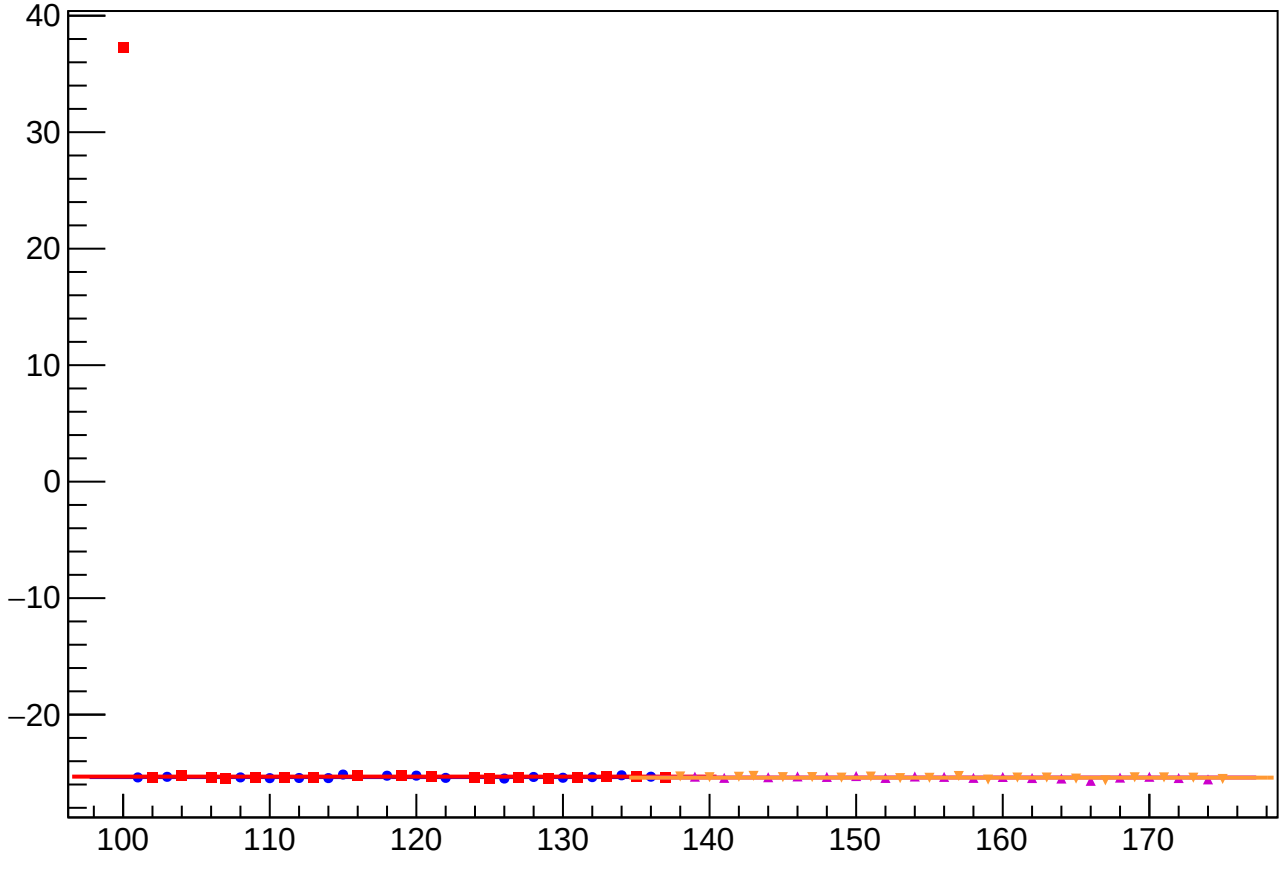
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:292137.5/33

Out: 0.044+/-0.000 χ^2/NDF:342065.3/36

All: 0.044+/-0.000 χ^2/NDF: 635803.1/70

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.411+/-0.000 χ^2/NDF:46097104.8/19

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.398+/-0.000 χ^2/NDF:41764002.7/17

Left: -25.405+/-0.000 χ^2/NDF: 88264715.2/37

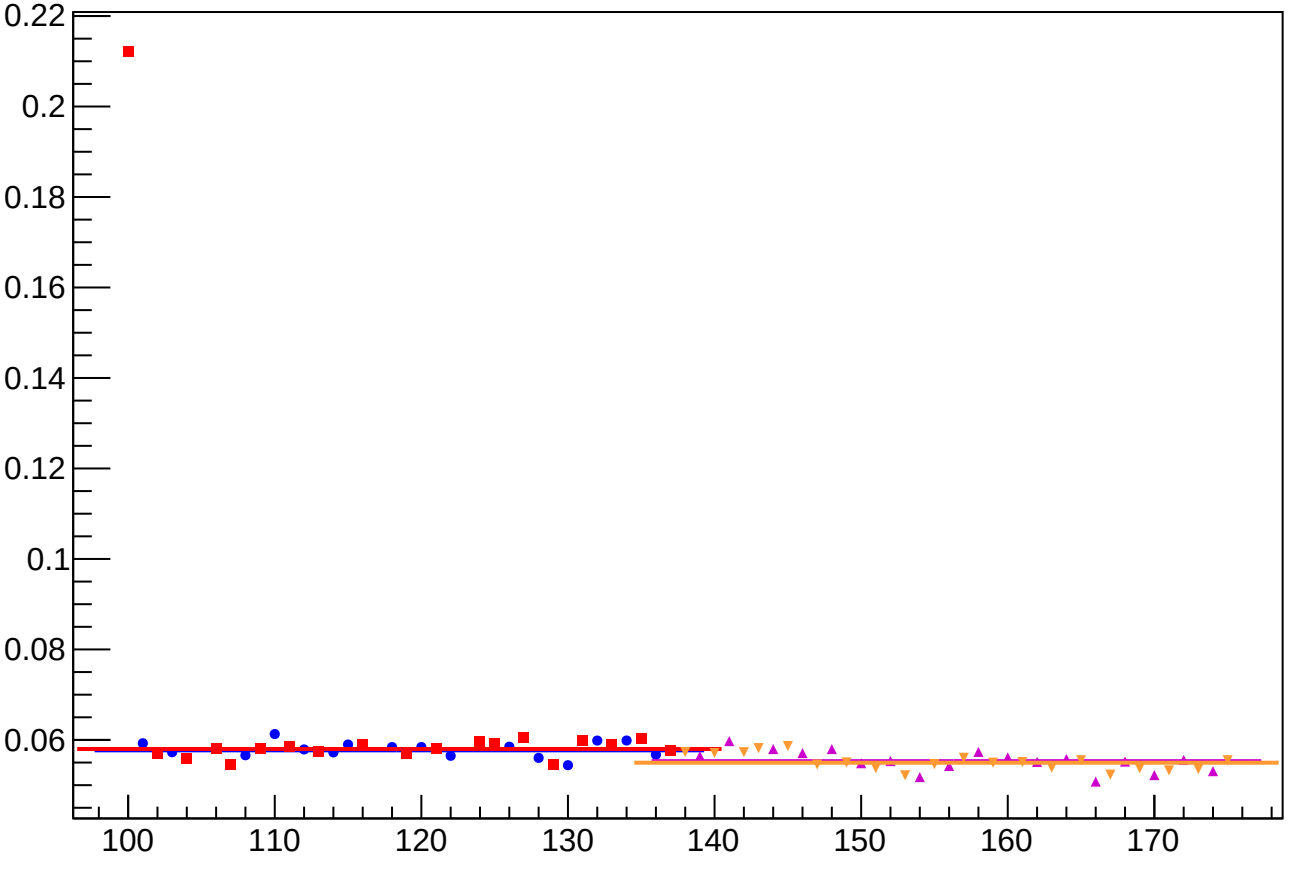
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.386+/-0.000 χ^2/NDF:57094076.5/33

Out: -25.384+/-0.000 χ^2/NDF:6372847274.9/38

All: -25.385+/-0.000 χ^2/NDF: 6429954284.0/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:31667.8/19

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47250.9/17

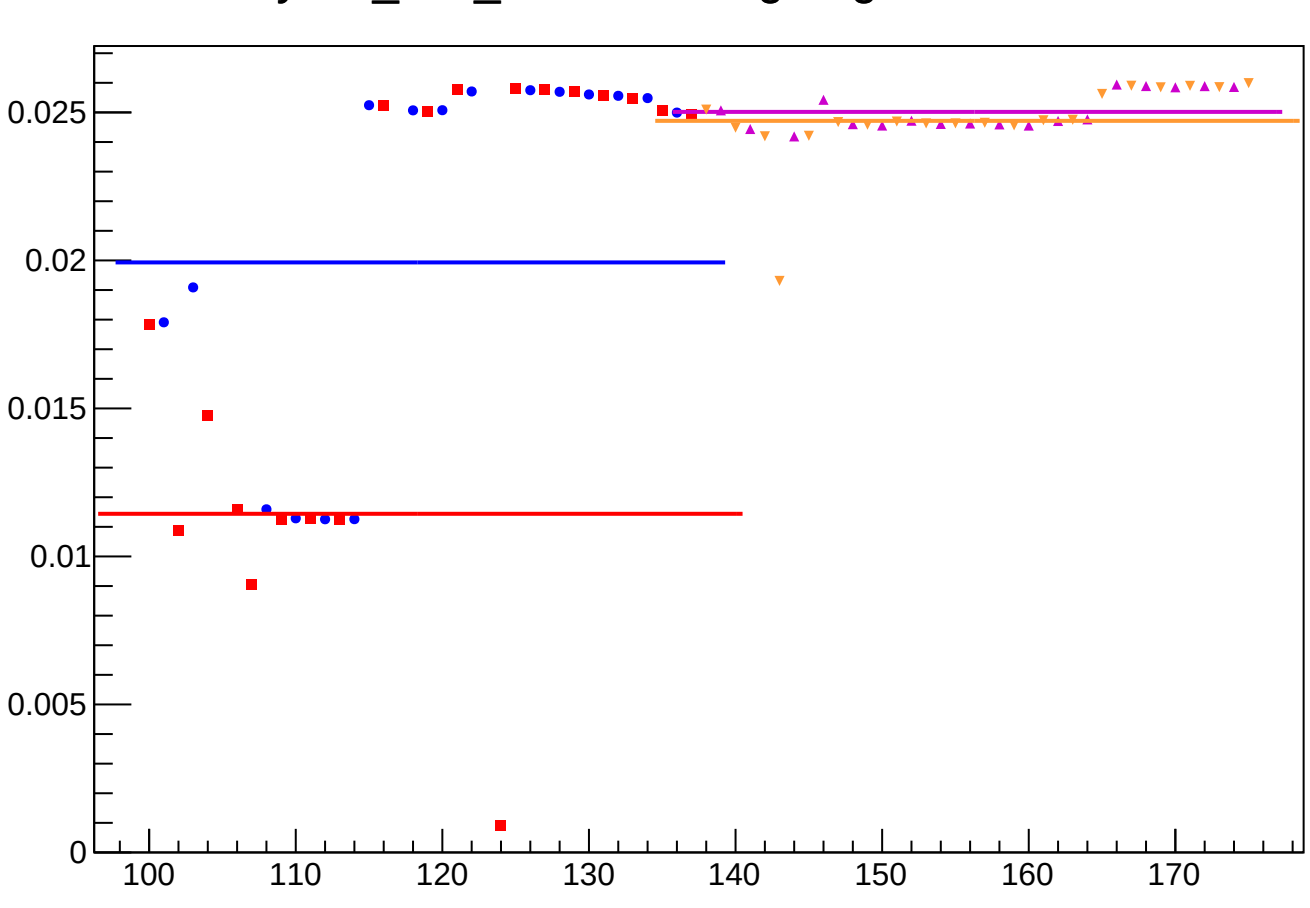
Left: 0.055+/-0.000 χ^2/NDF: 79498.7/37

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:75614.3/33

Out: 0.056+/-0.000 χ^2/NDF:148122.3/38

All: 0.056+/-0.000 χ^2/NDF: 223964.5/72



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6618499545.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:1018610994.5/17

Left: 0.025+/-0.000 χ^2/NDF: 7775473130.9/37

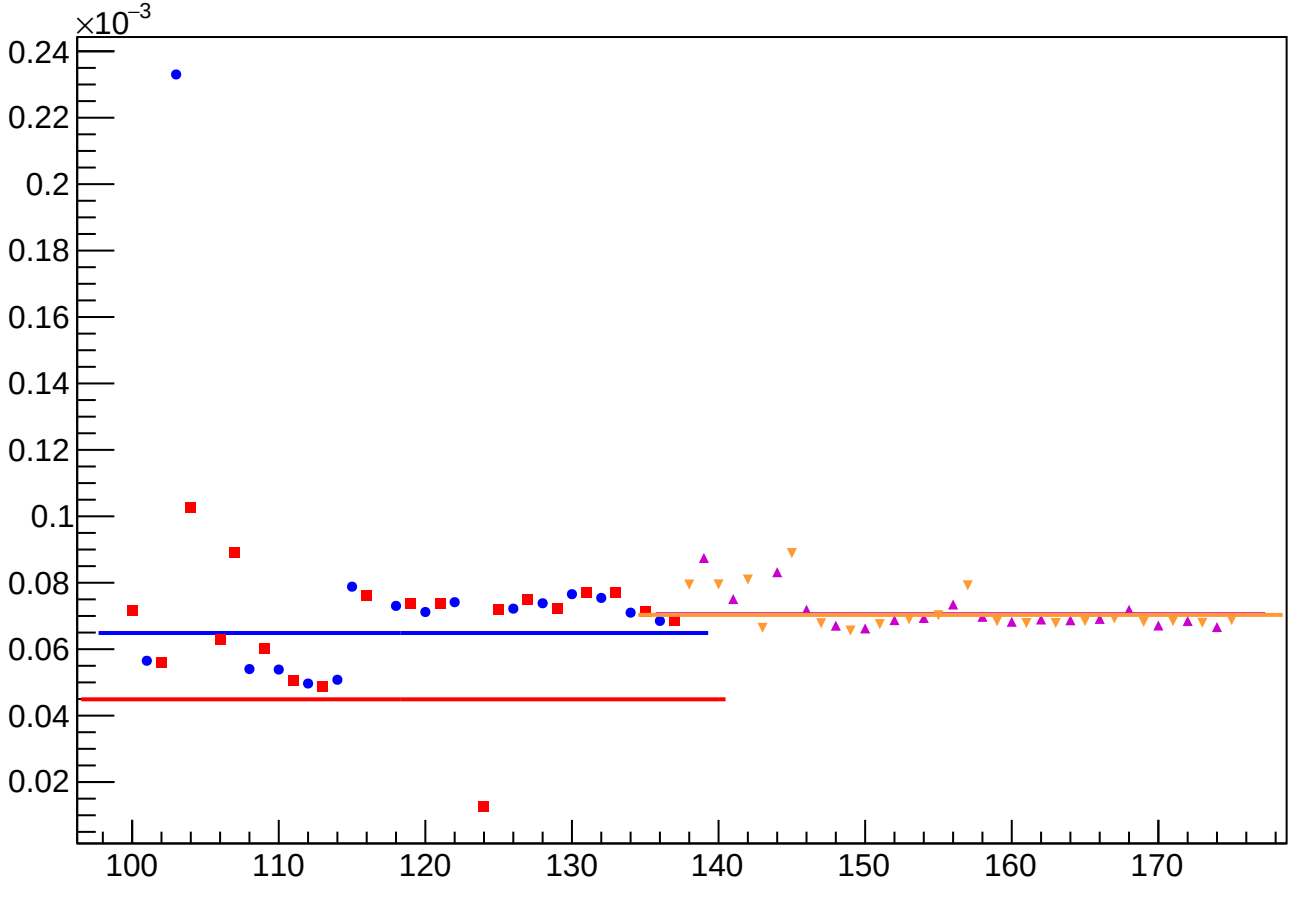
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:89758454828.0/33

Out: 0.019+/-0.000 χ^2/NDF:506388014073.4/38

All: 0.021+/-0.000 χ^2/NDF: 645928837943.2

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:175349.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:139358.9/17

Left: 0.000+/-0.000 χ^2/NDF: 314842.3/37

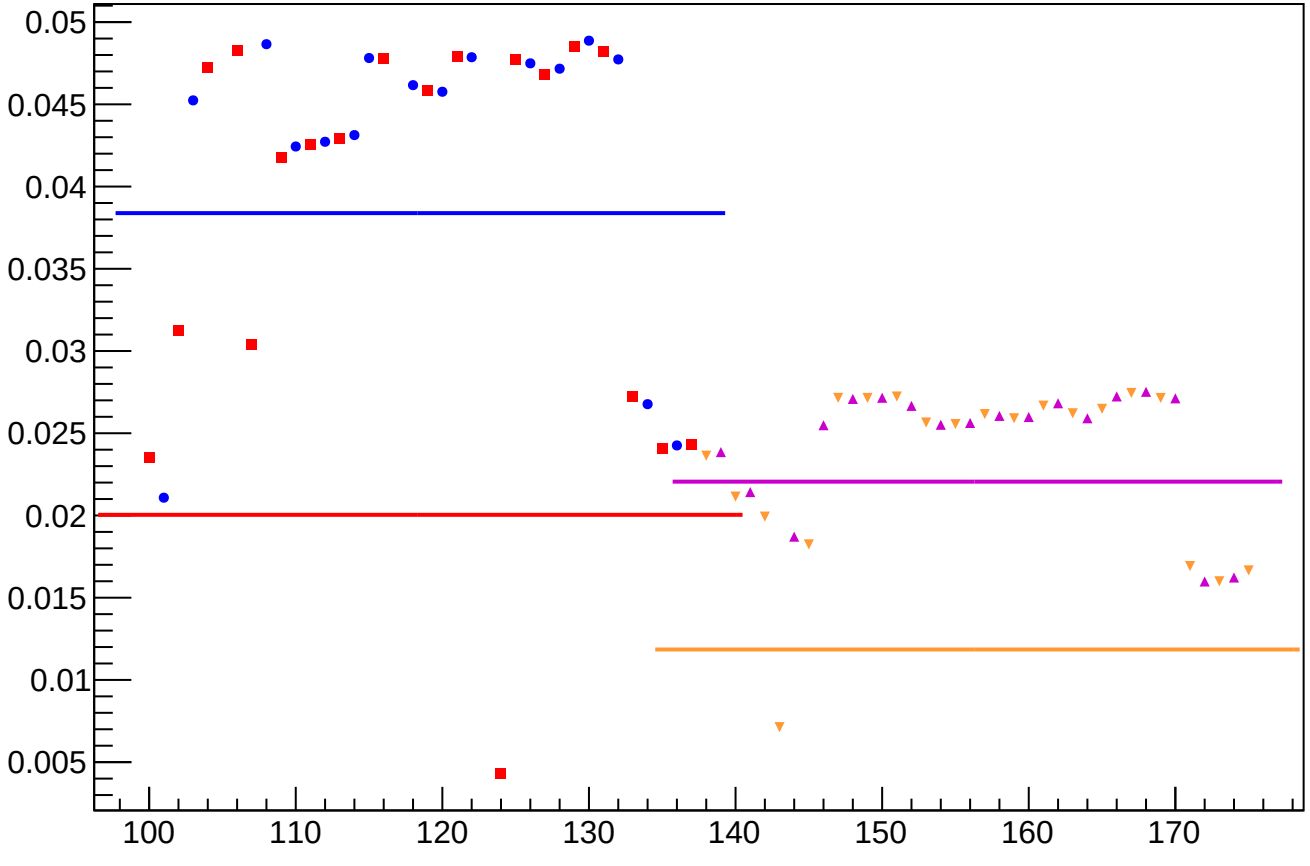
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1021481.8/33

Out: 0.000+/-0.000 χ^2/NDF:5749233.7/38

All: 0.000+/-0.000 χ^2/NDF: 7230679.0/72

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:34496443753.4/19

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4531037051.1/17

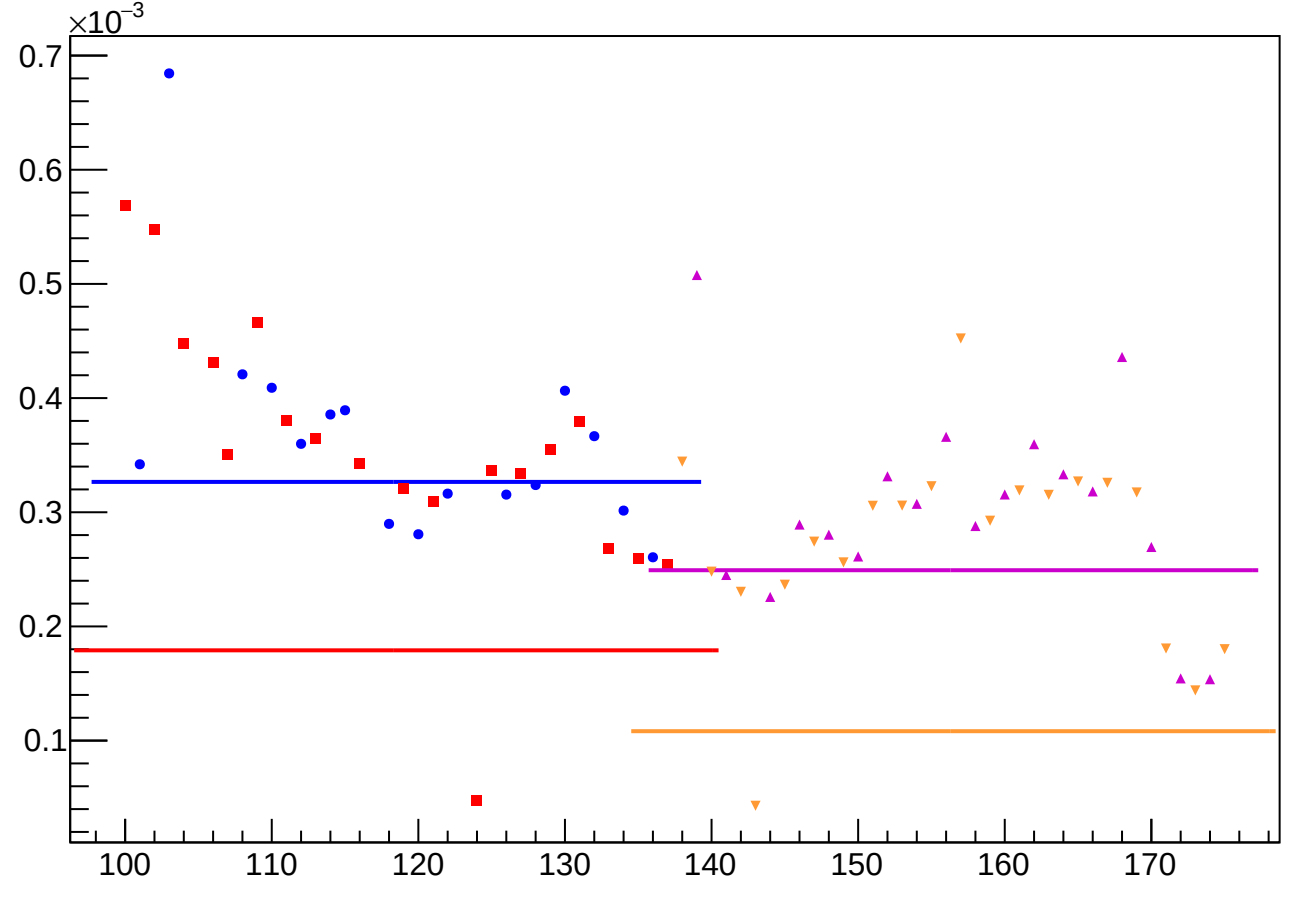
Left: 0.014+/-0.000 χ^2/NDF: 54829188733.6/37

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.026+/-0.000 χ^2/NDF:23764805959.3/33

Out: 0.013+/-0.000 χ^2/NDF:83567708665.1/38

All: 0.016+/-0.000 χ^2/NDF: 138237563543.4



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13551643.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2637195.2/17

Left: 0.000+/-0.000 χ^2/NDF: 22220687.1/37

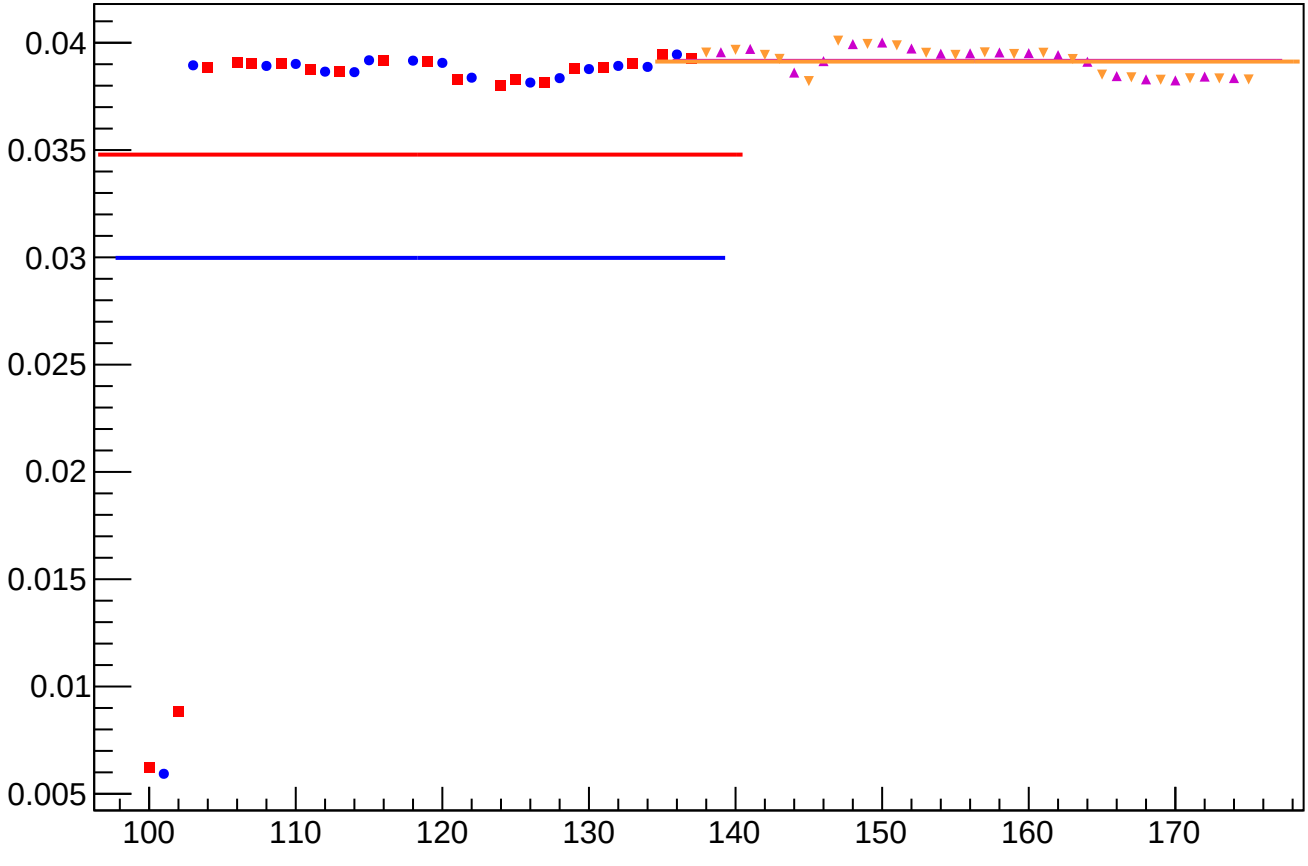
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:3764217.9/33

Out: 0.000+/-0.000 χ^2/NDF:20242480.1/38

All: 0.000+/-0.000 χ^2/NDF: 32401098.7/72

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:371920294.2/19

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:305834373.7/17

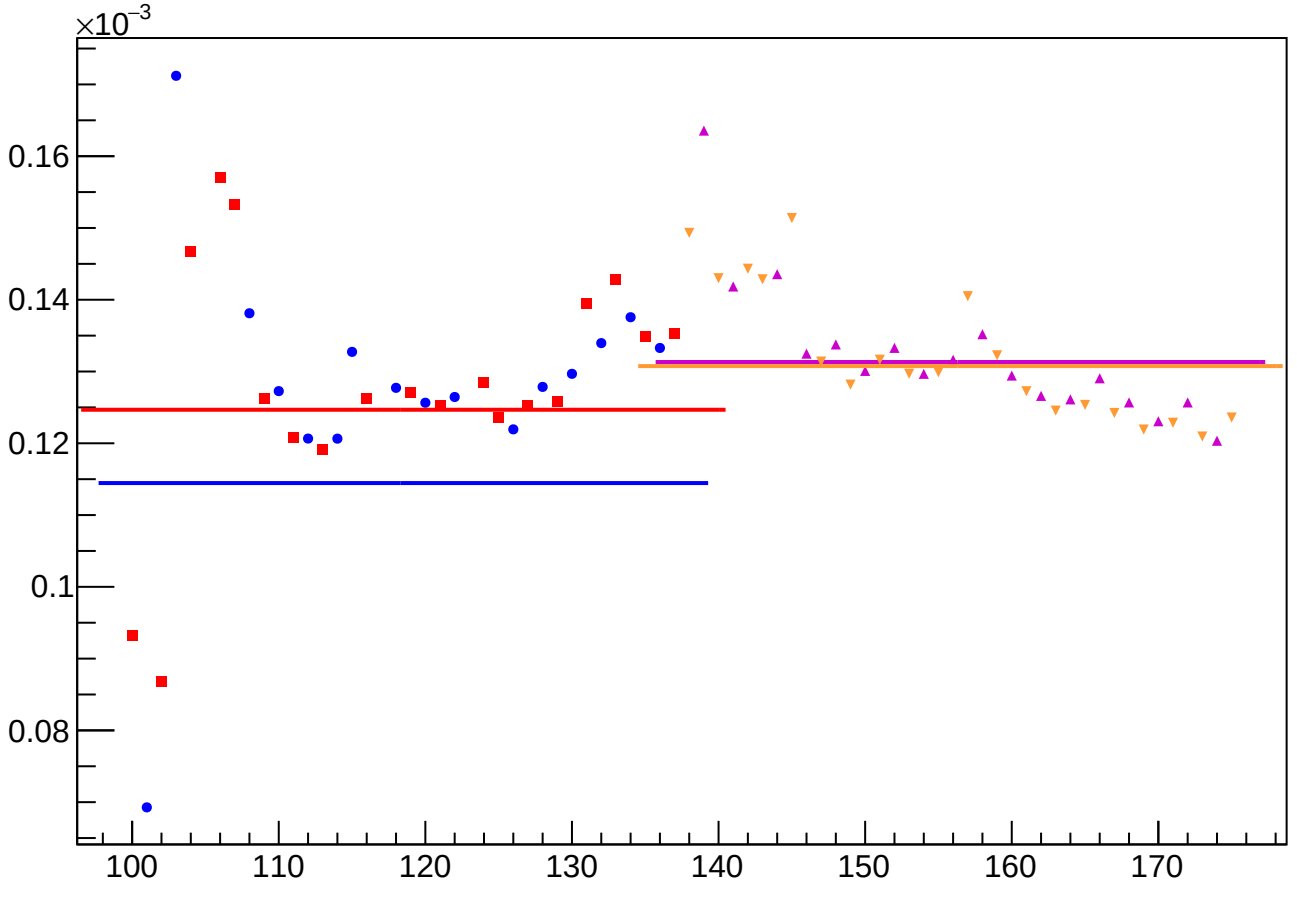
Left: 0.039+/-0.000 χ^2/NDF: 678216777.0/37

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:135233889408.1/33

Out: 0.038+/-0.000 χ^2/NDF:53244843806.1/38

All: 0.037+/-0.000 χ^2/NDF: 191148502518.8



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:133739.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:121578.1/17

Left: 0.000+/-0.000 χ^2/NDF: 255600.6/37

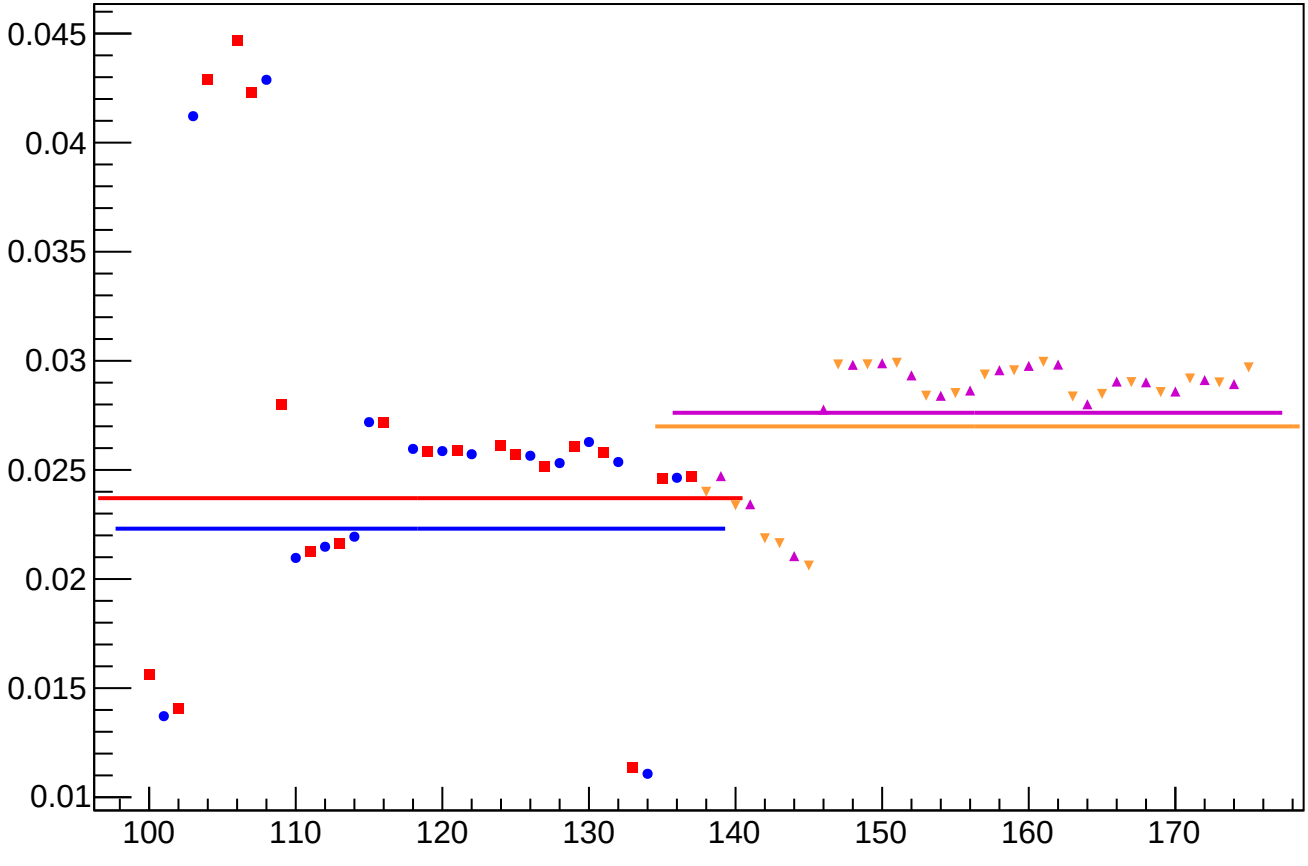
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1154611.9/33

Out: 0.000+/-0.000 χ^2/NDF:416208.1/38

All: 0.000+/-0.000 χ^2/NDF: 1589970.2/72

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2028580294.6/19

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1333246830.1/17

Left: 0.027+/-0.000 χ^2/NDF: 3394280716.2/37

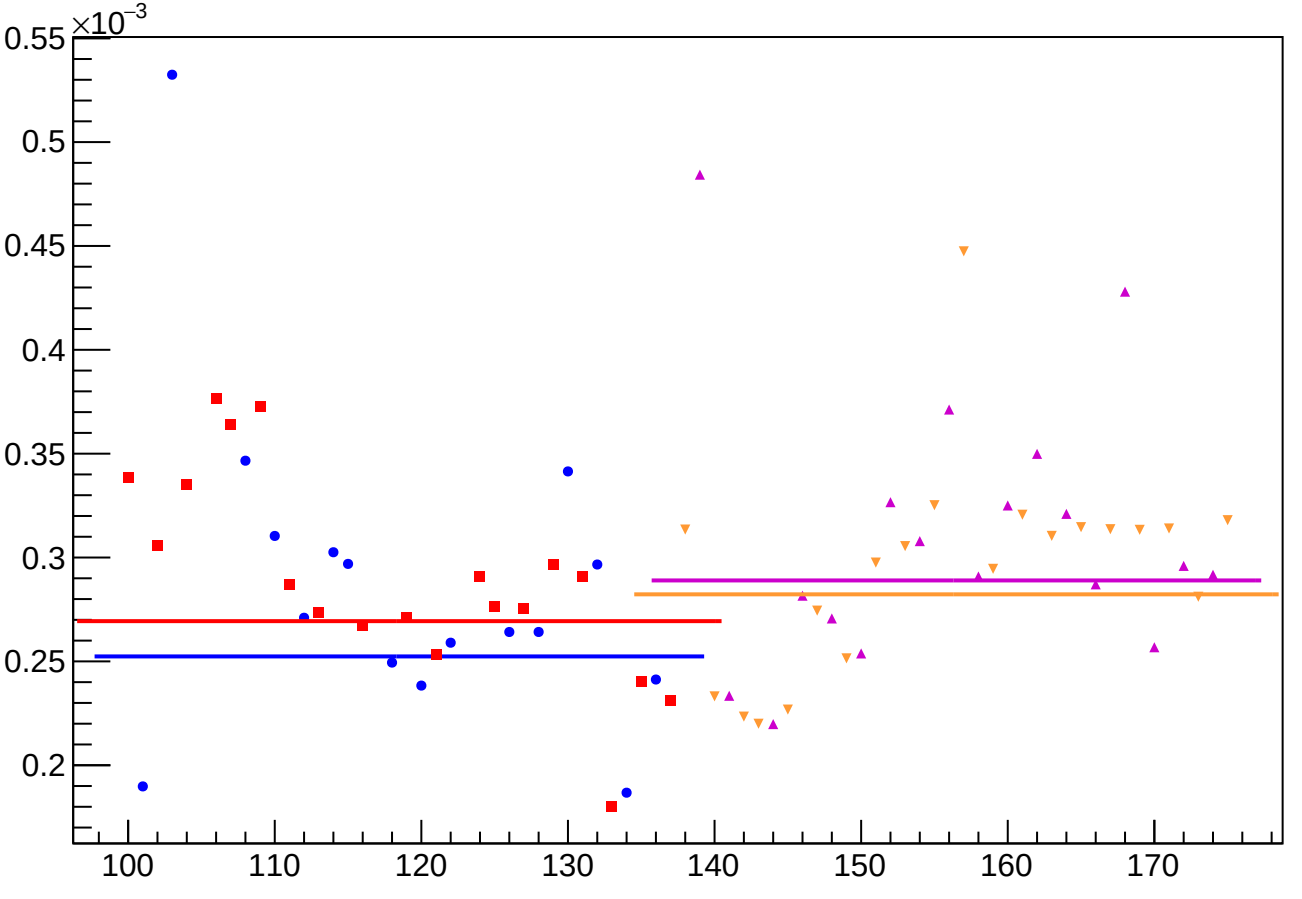
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8057789001.1/33

Out: 0.026+/-0.000 χ^2/NDF:8249292902.8/38

All: 0.026+/-0.000 χ^2/NDF: 16318163217.1/7

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:676624.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922996.9/17

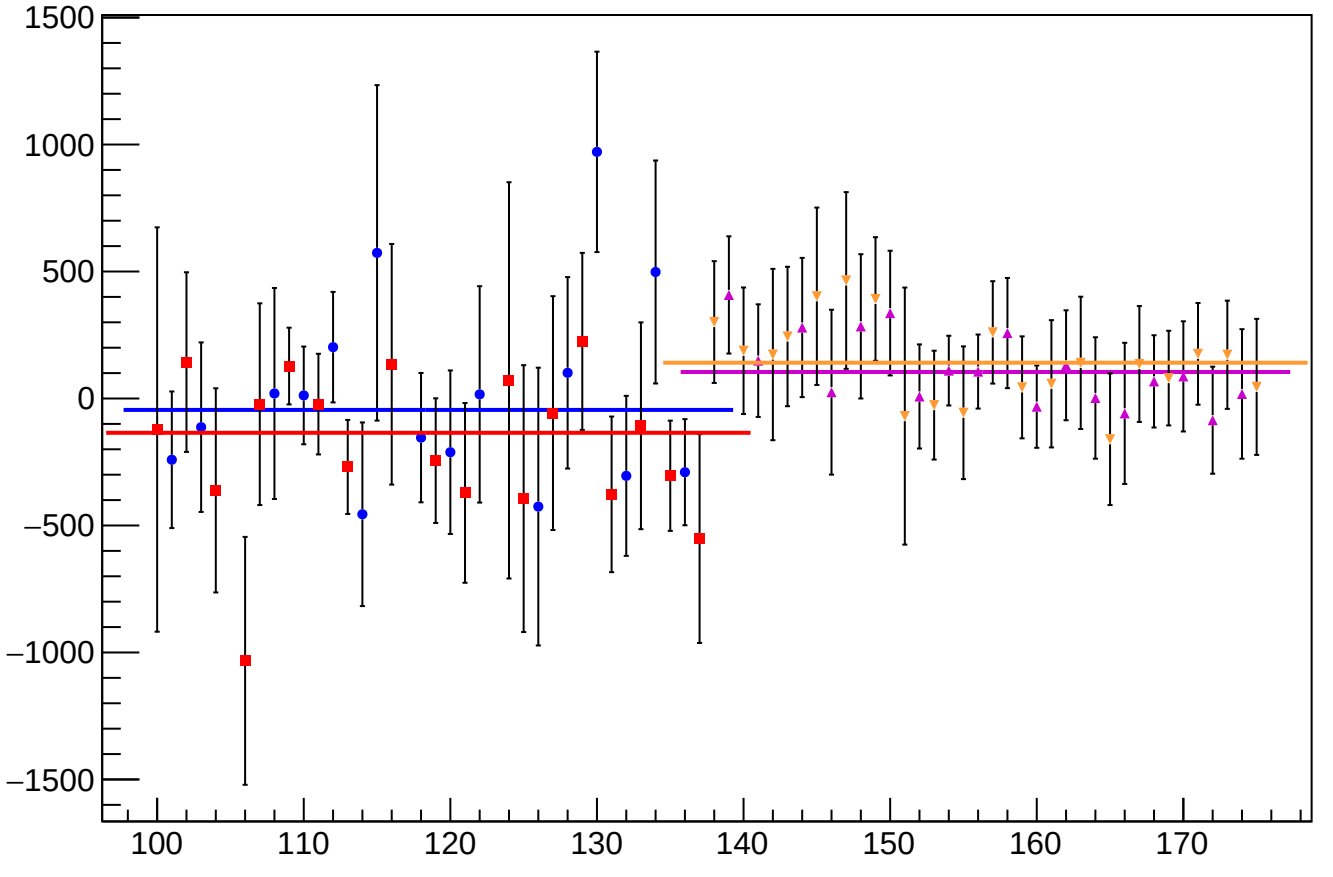
Left: 0.000+/-0.000 χ^2/NDF: 1607083.4/37

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1793309.3/33

Out: 0.000+/-0.000 χ^2/NDF:1142648.6/38

All: 0.000+/-0.000 χ^2/NDF: 2938163.7/72



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.959+/-54.786 χ^2/NDF:6.8/19

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 104.327+/-49.065 χ^2/NDF:6.5/17

Left: 120.631+/-36.550 χ^2/NDF: 13.5/37

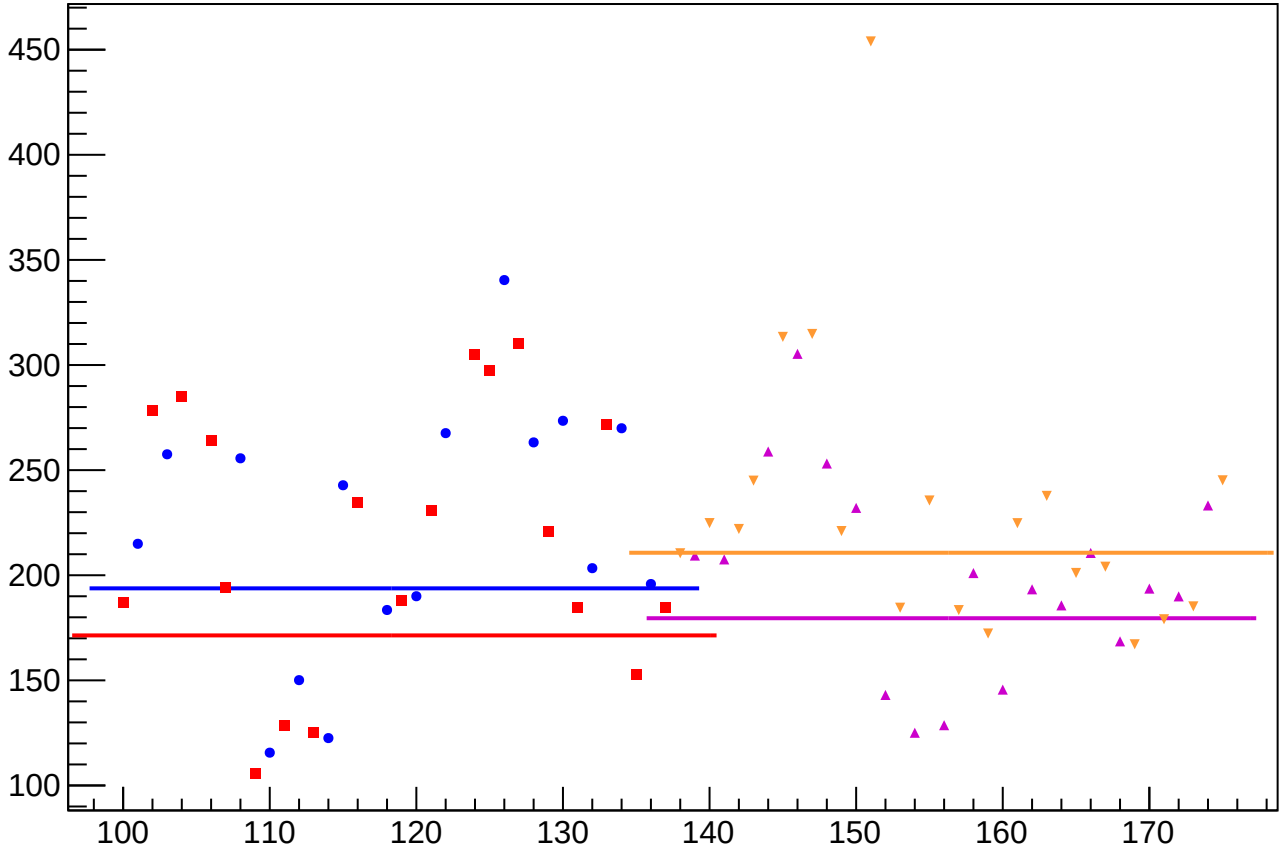
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 60.584+/-41.252 χ^2/NDF:24.7/33

Out: 32.459+/-42.678 χ^2/NDF:29.7/38

All: 46.999+/-29.661 χ^2/NDF: 54.6/72

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 210.704+/-0.039 χ^2/NDF:1268208.0/19

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

Left: 193.417+/-0.026 χ^2/NDF: 3258588.2/37

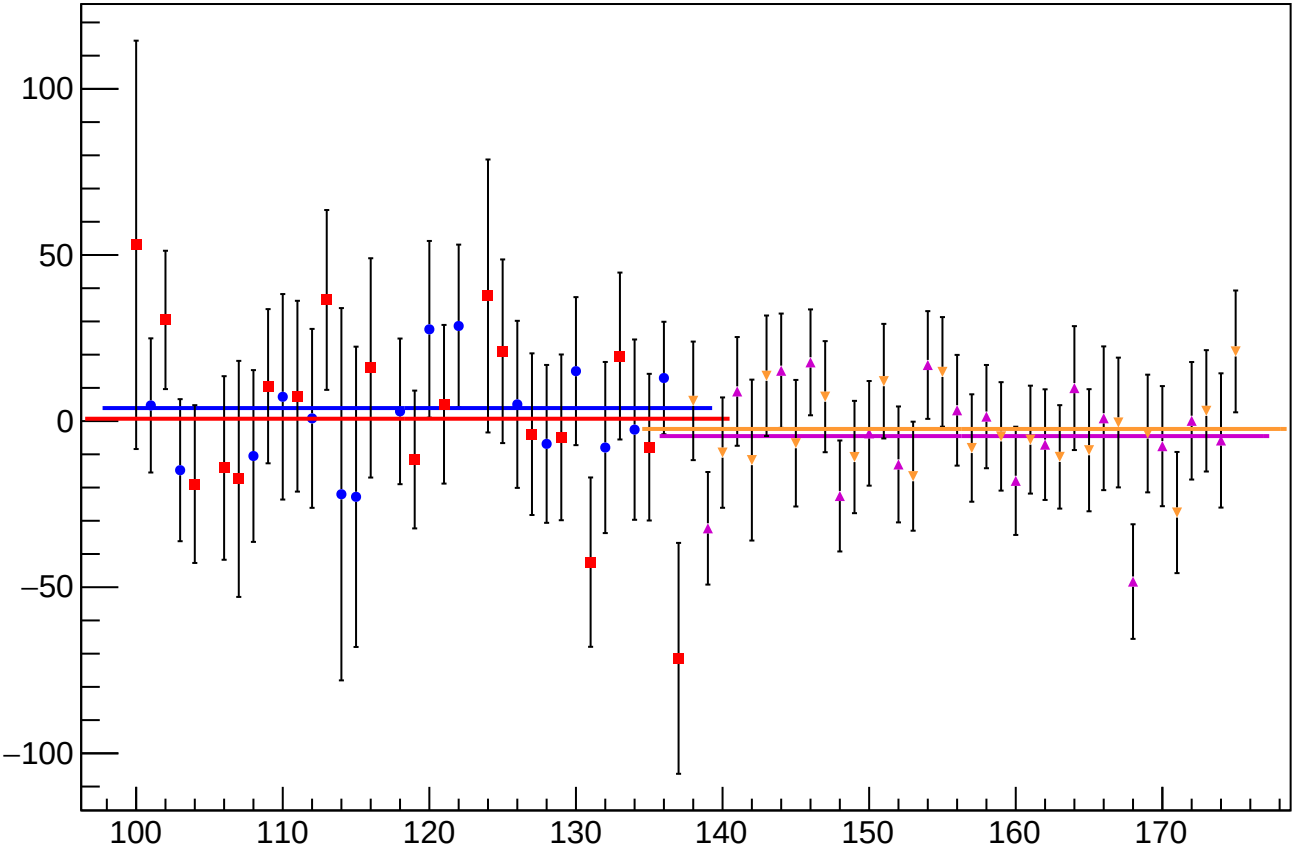
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.719+/-0.029 χ^2/NDF:2728854.8/33

Out: 195.243+/-0.030 χ^2/NDF:3331382.3/38

All: 189.286+/-0.021 χ^2/NDF: 6135631.4/72

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.360+/-3.912 χ^2/NDF:8.7/19

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -4.511+/-4.035 χ^2/NDF:18.0/17

Left: -3.402+/-2.809 χ^2/NDF: 26.9/37

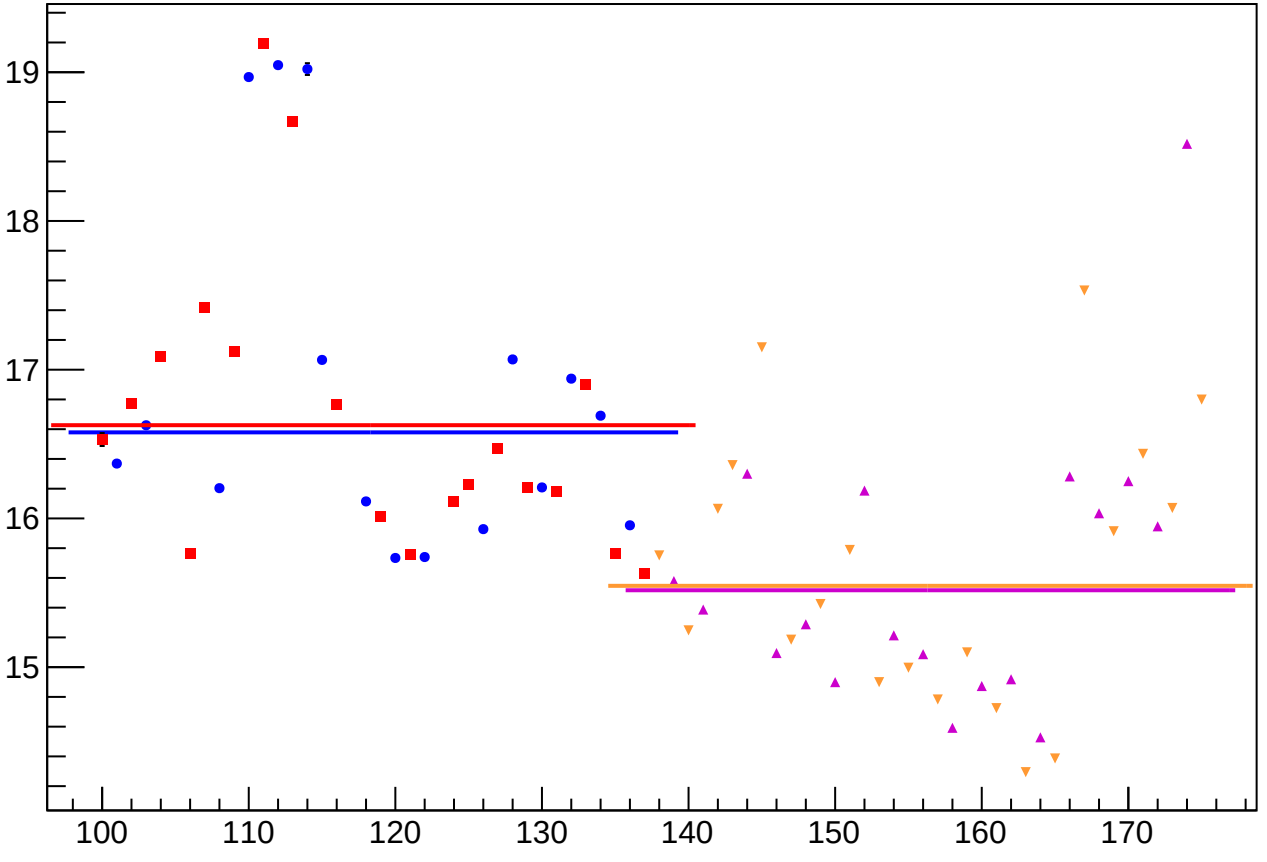
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.986+/-3.377 χ^2/NDF:23.8/33

Out: -1.459+/-3.289 χ^2/NDF:24.8/38

All: -1.716+/-2.356 χ^2/NDF: 48.7/72

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.547+/-0.003 χ^2/NDF:96044.2/19

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.517+/-0.003 χ^2/NDF:85458.9/17

Left: 15.532+/-0.002 χ^2/NDF: 181559.2/37

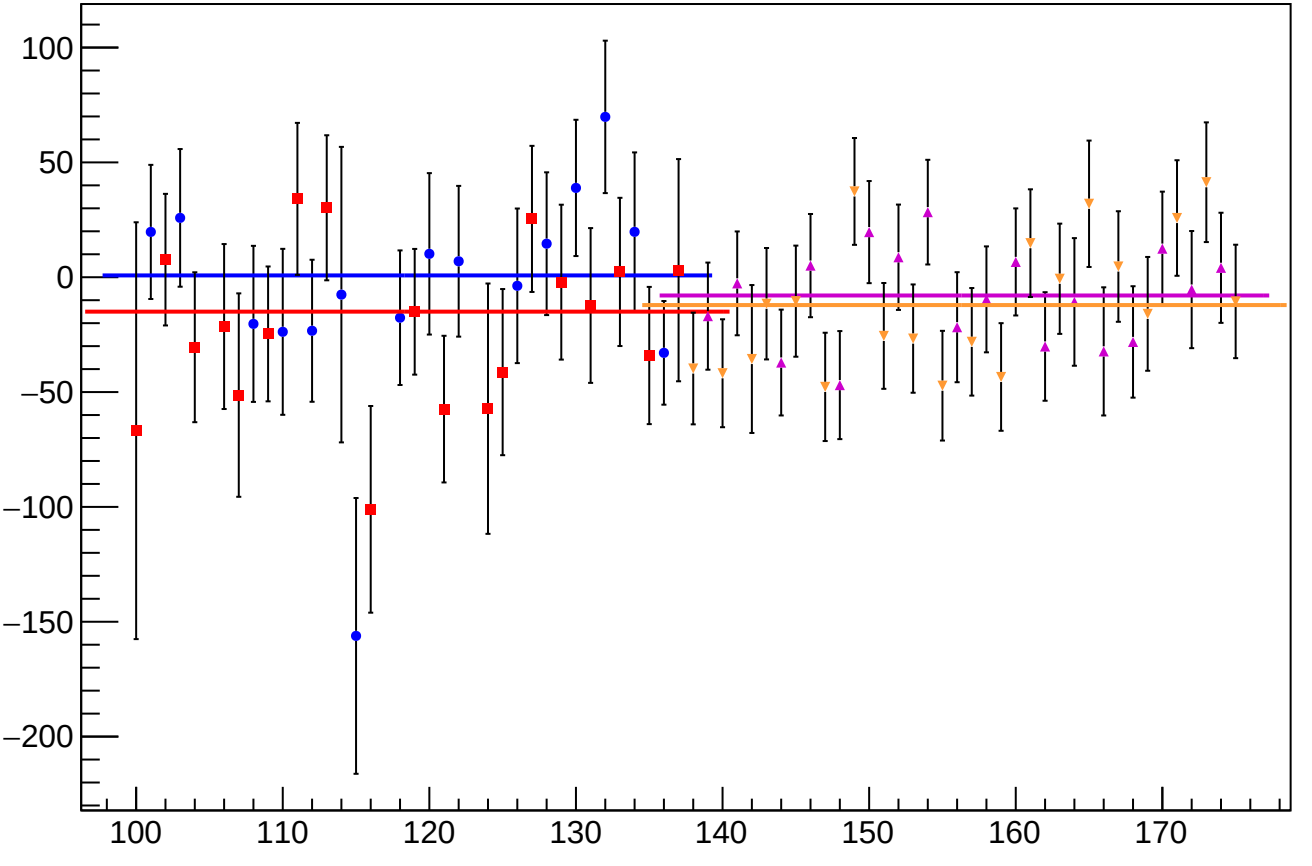
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.835+/-0.002 χ^2/NDF:171488.6/33

Out: 15.863+/-0.002 χ^2/NDF:184174.3/38

All: 15.849+/-0.002 χ^2/NDF: 355735.5/72

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.120+/-5.461 χ^2/NDF:26.5/19

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -7.948+/-5.612 χ^2/NDF:13.5/17

Left: -10.090+/-3.914 χ^2/NDF: 40.3/37

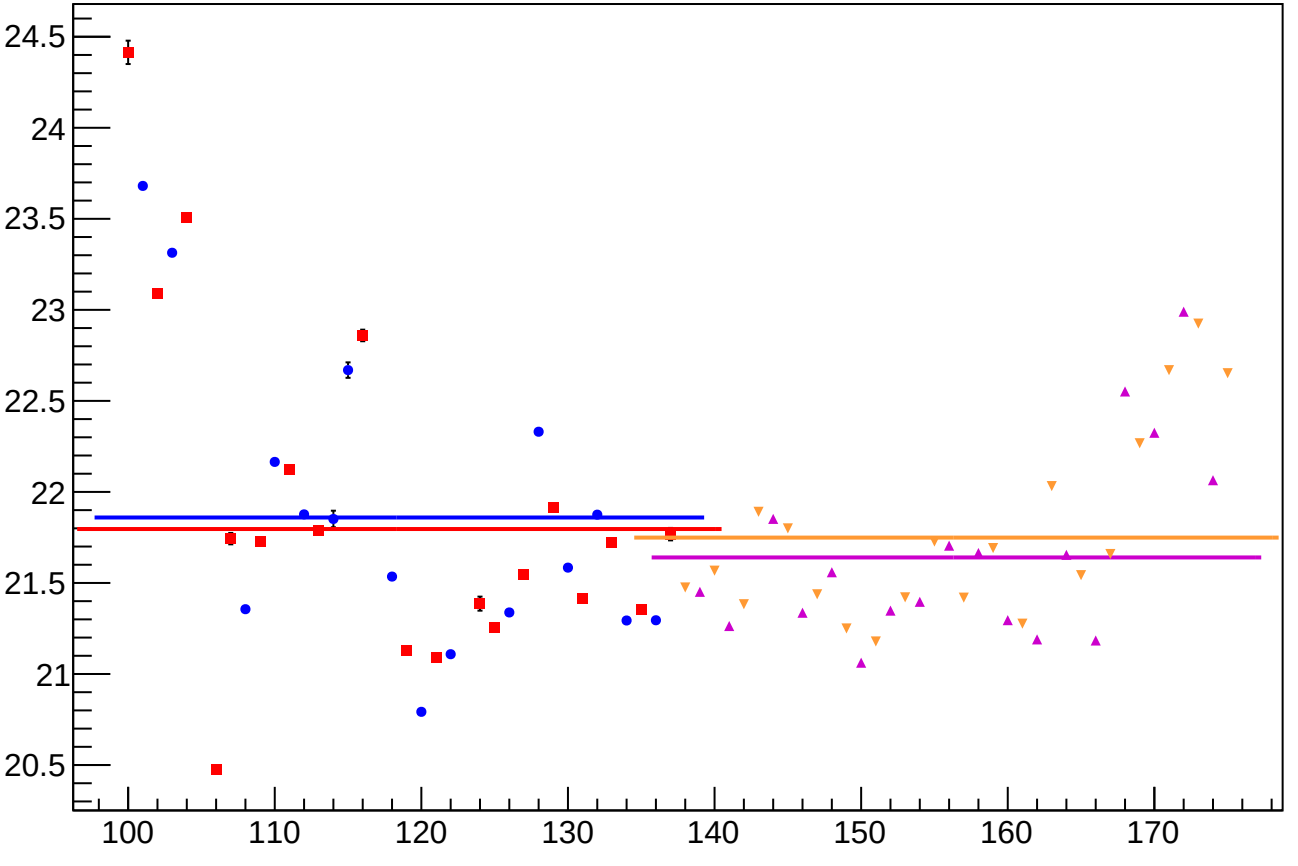
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.126+/-4.618 χ^2/NDF:33.0/33

Out: -13.036+/-4.502 χ^2/NDF:42.0/38

All: -9.181+/-3.223 χ^2/NDF: 76.4/72

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.749+/-0.004 χ^2/NDF:15522.2/19

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.640+/-0.004 χ^2/NDF:15439.2/17

Left: 21.696+/-0.003 χ^2/NDF: 31349.2/37

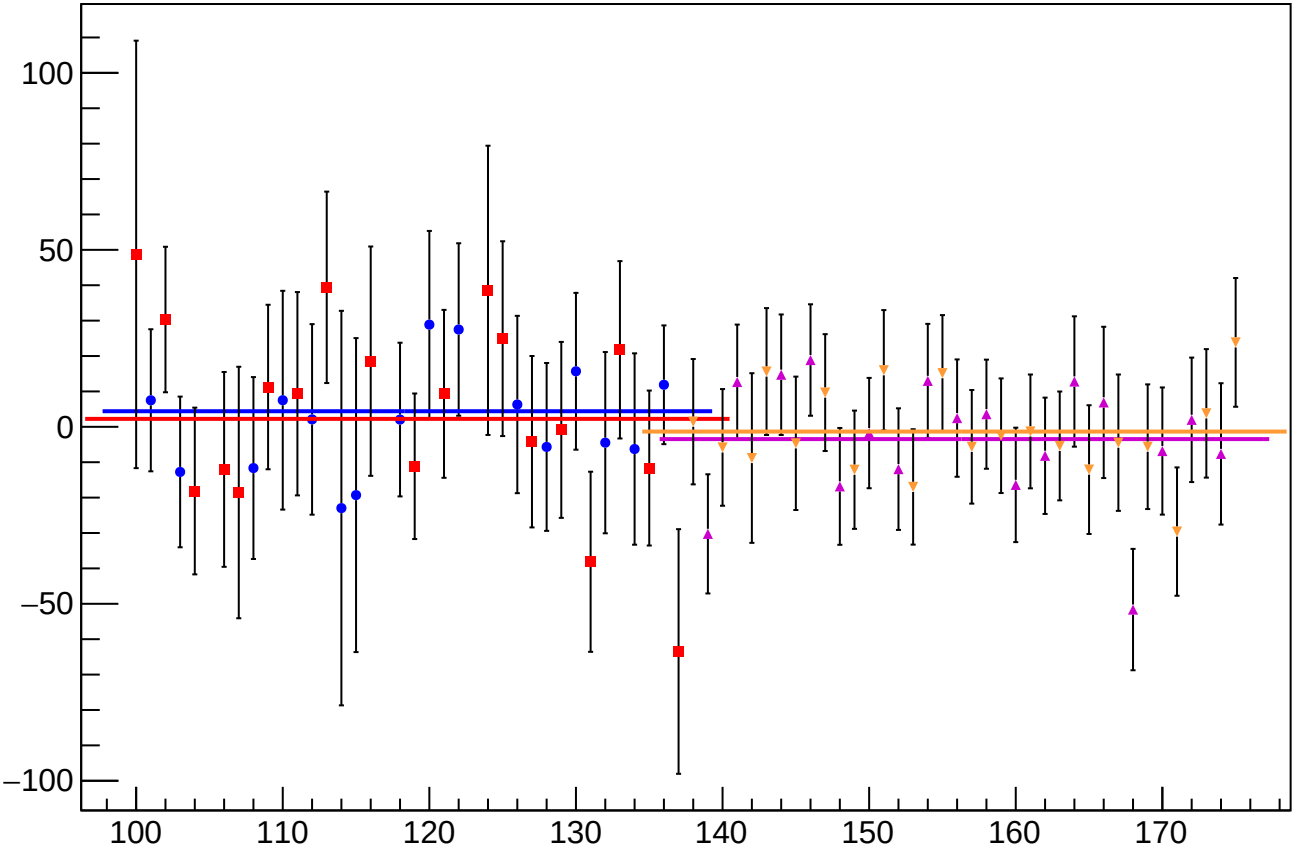
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.711+/-0.003 χ^2/NDF:35895.0/33

Out: 21.764+/-0.003 χ^2/NDF:34431.1/38

All: 21.738+/-0.002 χ^2/NDF: 70462.4/72

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.343+/-3.876 χ^2/NDF:10.0/19

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -3.469+/-3.997 χ^2/NDF:18.8/17

Left: -2.373+/-2.782 χ^2/NDF: 28.9/37

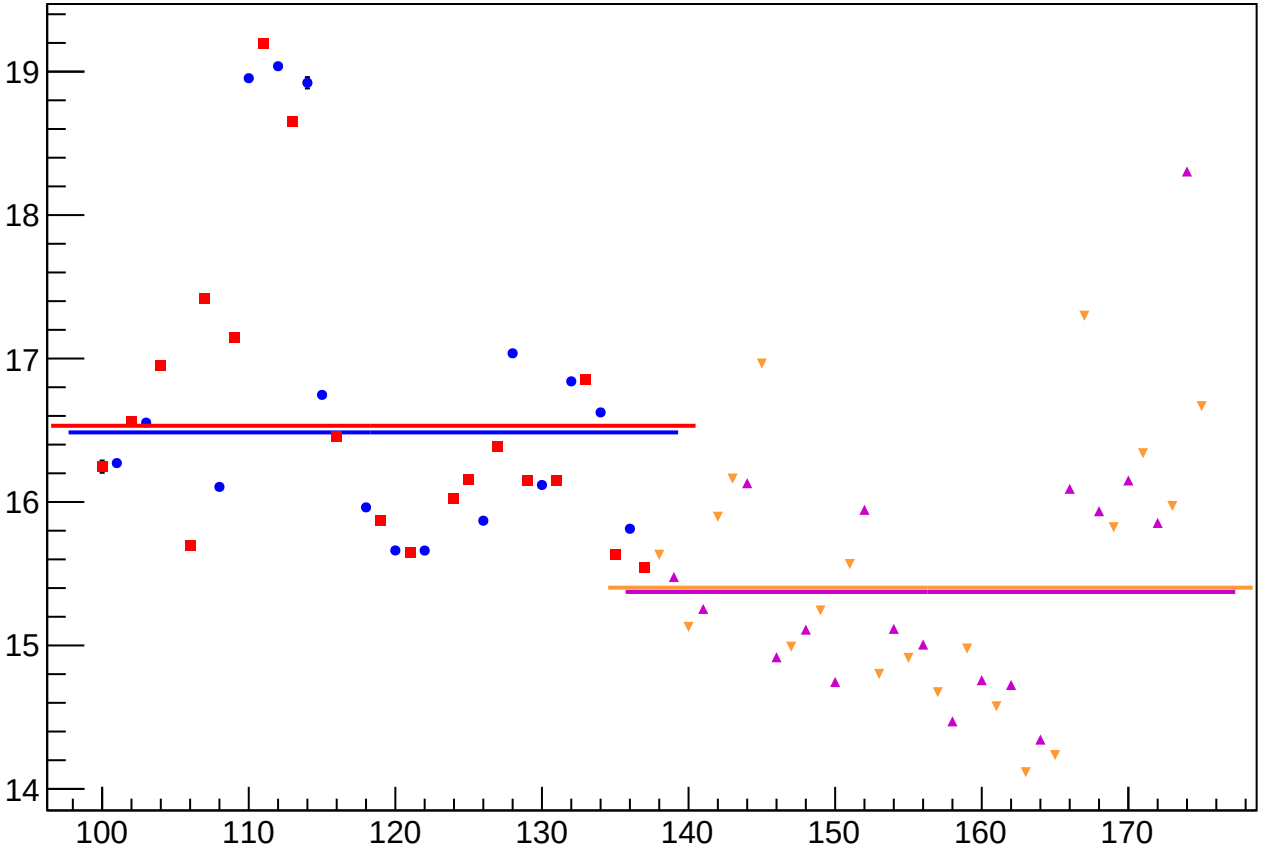
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -1.124+/-3.349 χ^2/NDF:24.2/33

Out: -0.298+/-3.262 χ^2/NDF:25.6/38

All: -0.700+/-2.337 χ^2/NDF: 49.8/72

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.403+/-0.003 χ^2/NDF:95724.8/19

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.373+/-0.003 χ^2/NDF:85133.0/17

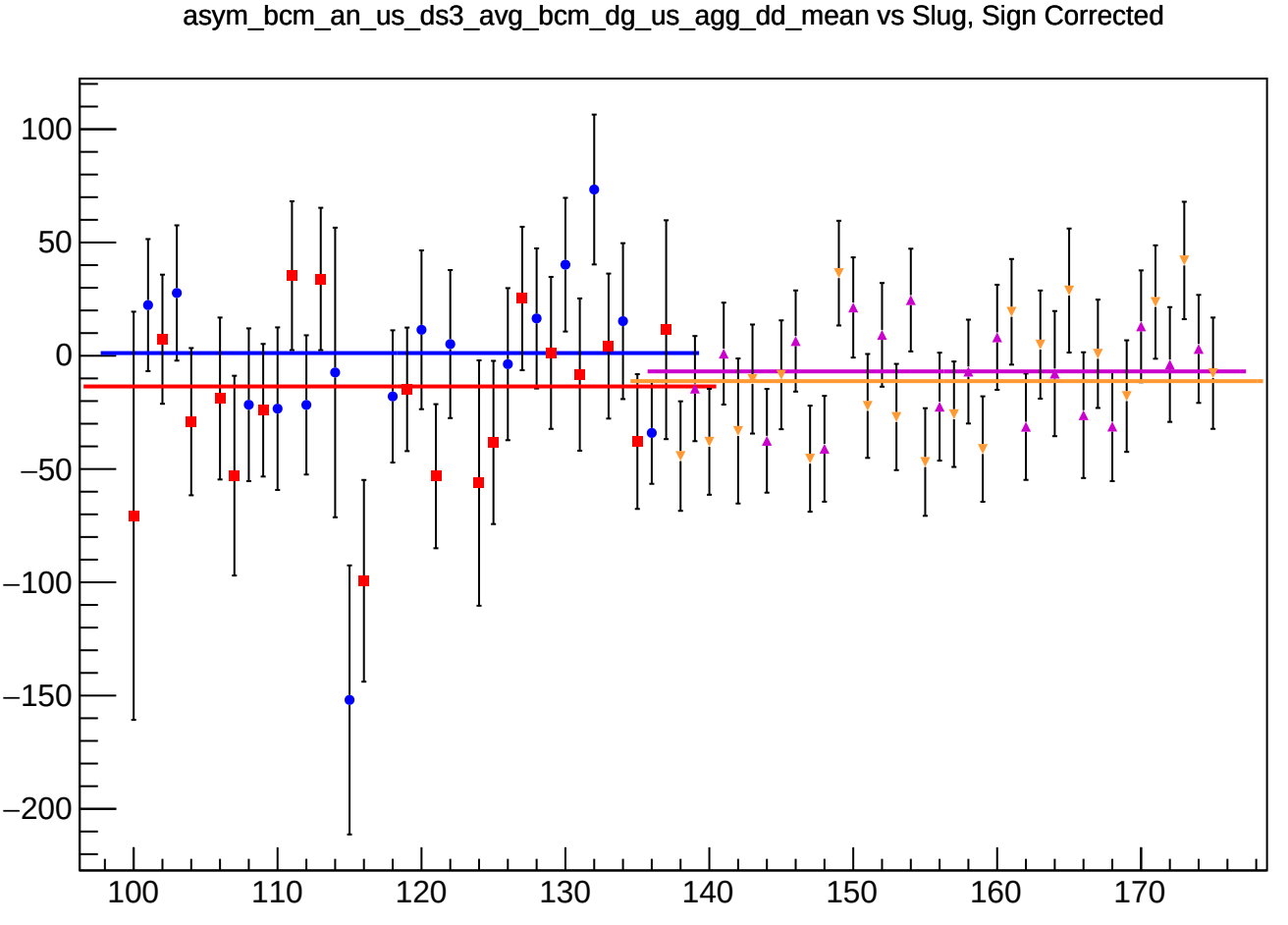
Left: 15.388+/-0.002 χ^2/NDF: 180916.3/37

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.704+/-0.002 χ^2/NDF:178451.5/33

Out: 15.732+/-0.002 χ^2/NDF:191615.6/38

All: 15.718+/-0.002 χ^2/NDF: 370137.7/72



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -11.204+/-5.430 χ^2/NDF:25.9/19

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -6.909+/-5.581 χ^2/NDF:12.8/17

Left: -9.116+/-3.892 χ^2/NDF: 39.0/37

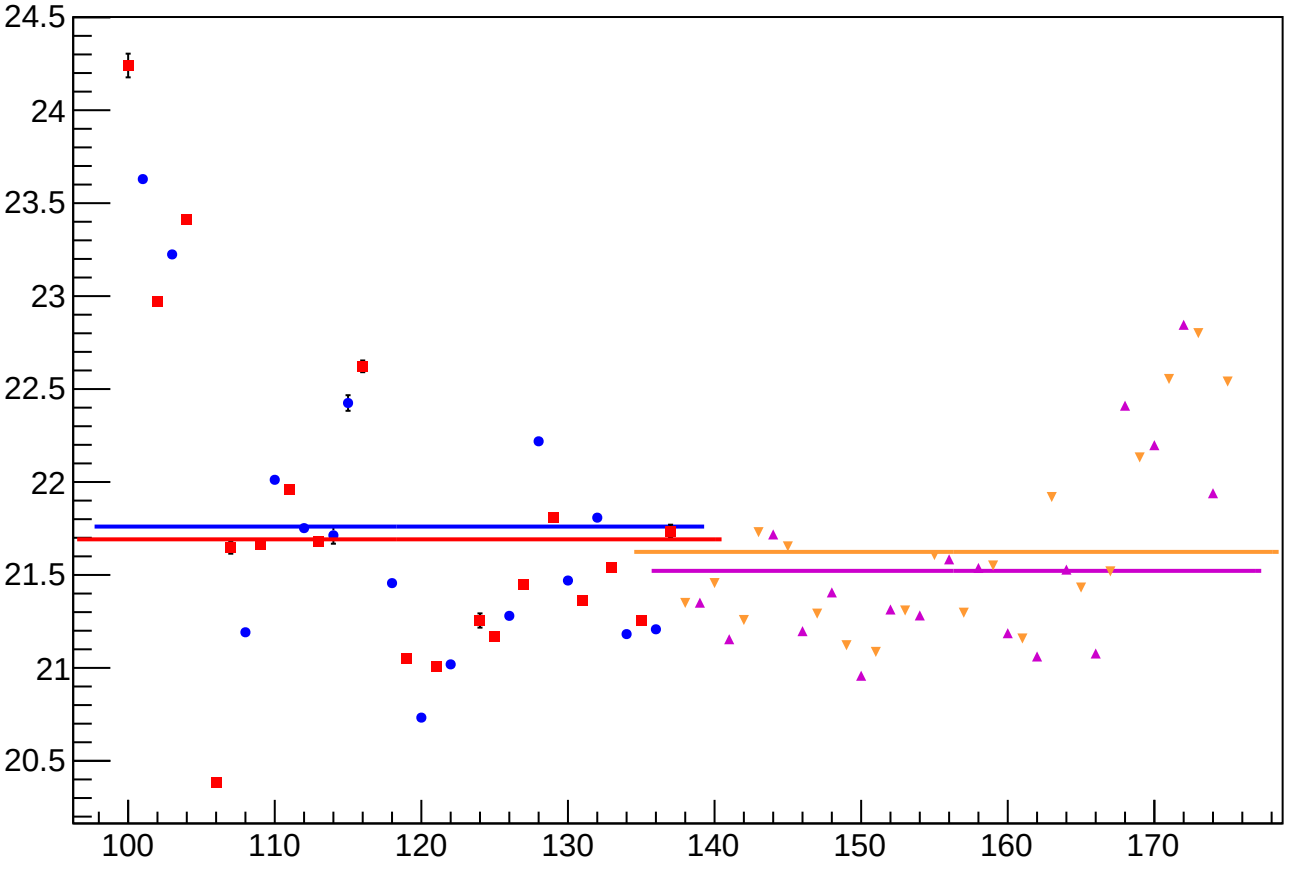
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.298+/-4.594 χ^2/NDF:32.9/33

Out: -11.954+/-4.477 χ^2/NDF:41.9/38

All: -8.224+/-3.206 χ^2/NDF: 76.2/72

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.624+/-0.004 χ^2/NDF:15646.8/19

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.522+/-0.004 χ^2/NDF:14954.1/17

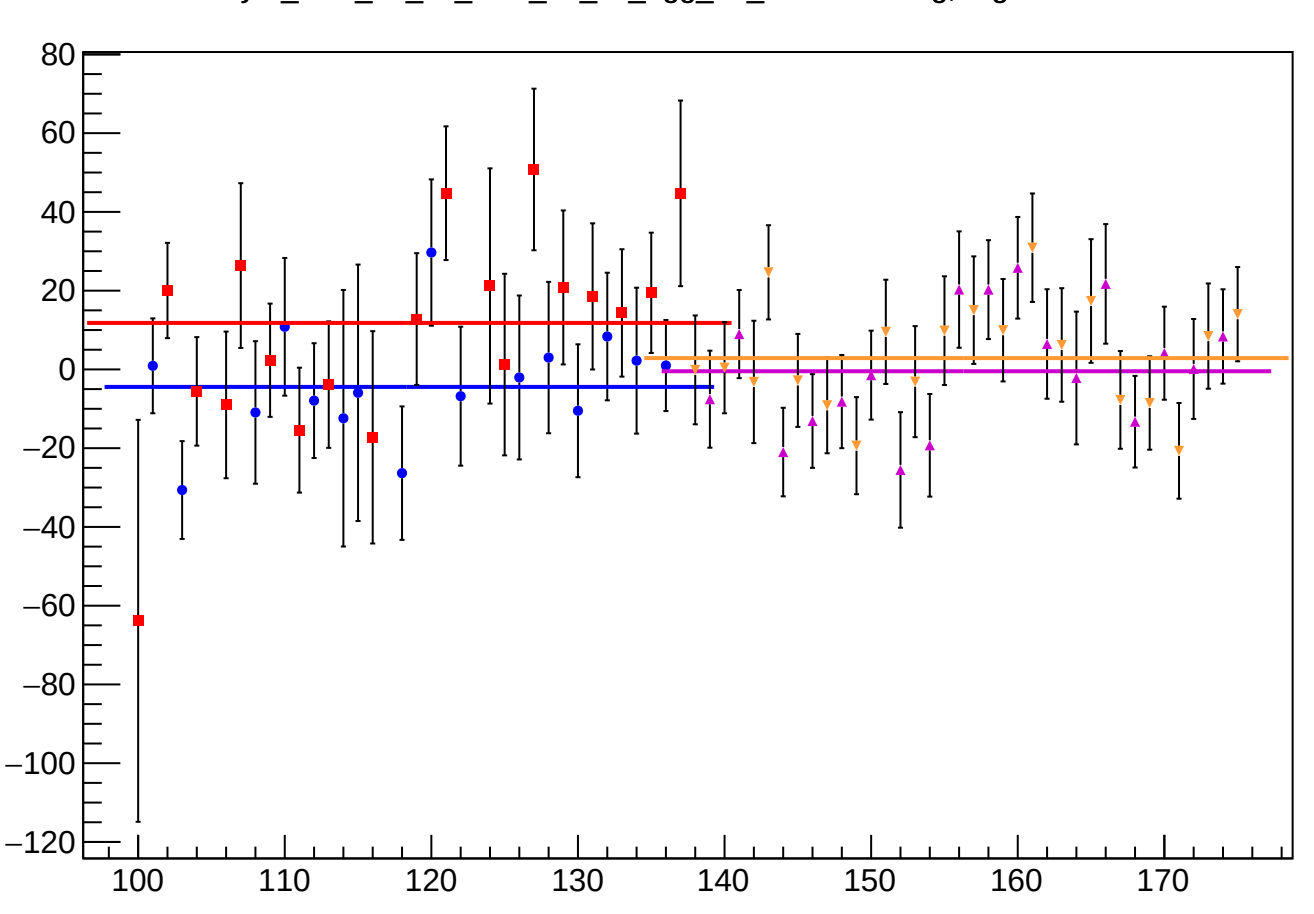
Left: 21.574+/-0.003 χ^2/NDF: 30944.7/37

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.599+/-0.003 χ^2/NDF:35875.4/33

Out: 21.646+/-0.003 χ^2/NDF:34076.3/38

All: 21.623+/-0.002 χ^2/NDF: 70058.2/72



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.873+/-2.903 χ^2/NDF:21.3/19

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.462+/-2.978 χ^2/NDF:24.1/17

Left: 1.248+/-2.079 χ^2/NDF: 46.0/37

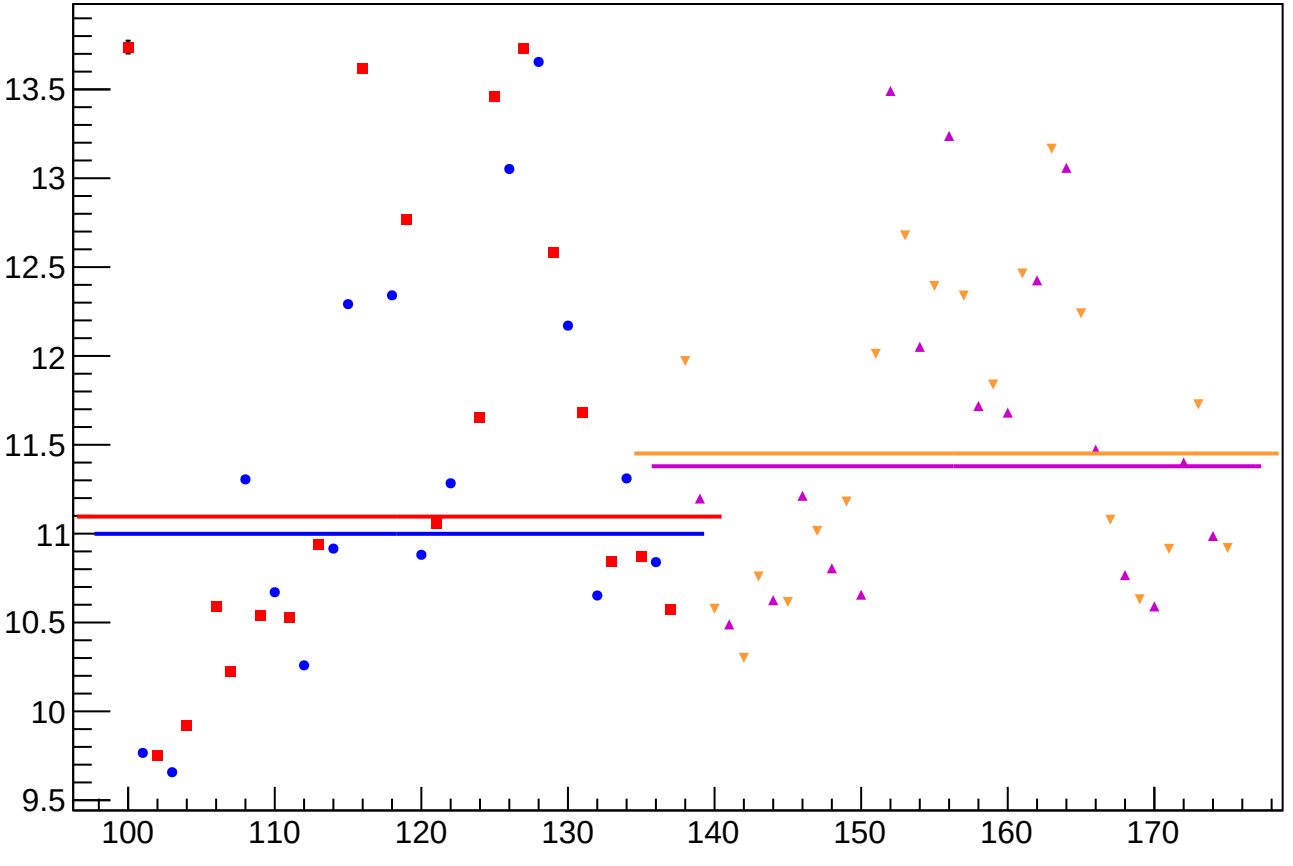
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.822+/-2.416 χ^2/NDF:36.7/33

Out: 5.859+/-2.369 χ^2/NDF:46.2/38

All: 2.094+/-1.691 χ^2/NDF: 88.0/72

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.451+/-0.002 χ^2/NDF:147963.6/19

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

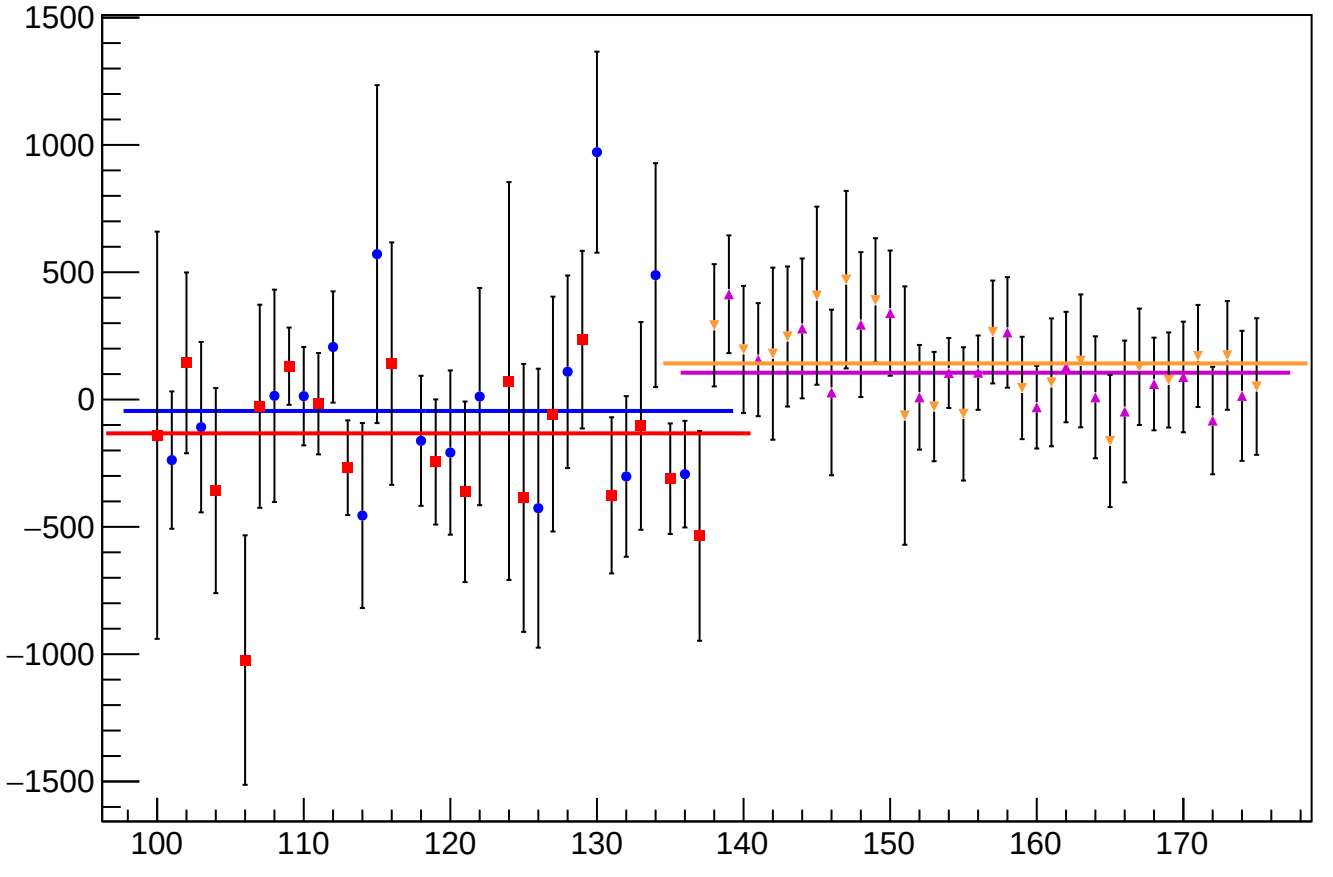
Left: 11.416+/-0.001 χ^2/NDF: 312760.9/37

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.249+/-0.002 χ^2/NDF:311513.6/33

Out: 11.332+/-0.002 χ^2/NDF:320878.8/38

All: 11.292+/-0.001 χ^2/NDF: 633600.7/72



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.412+/-49.145 χ^2/NDF:6.5/17

Left: 121.685+/-36.612 χ^2/NDF: 13.6/37

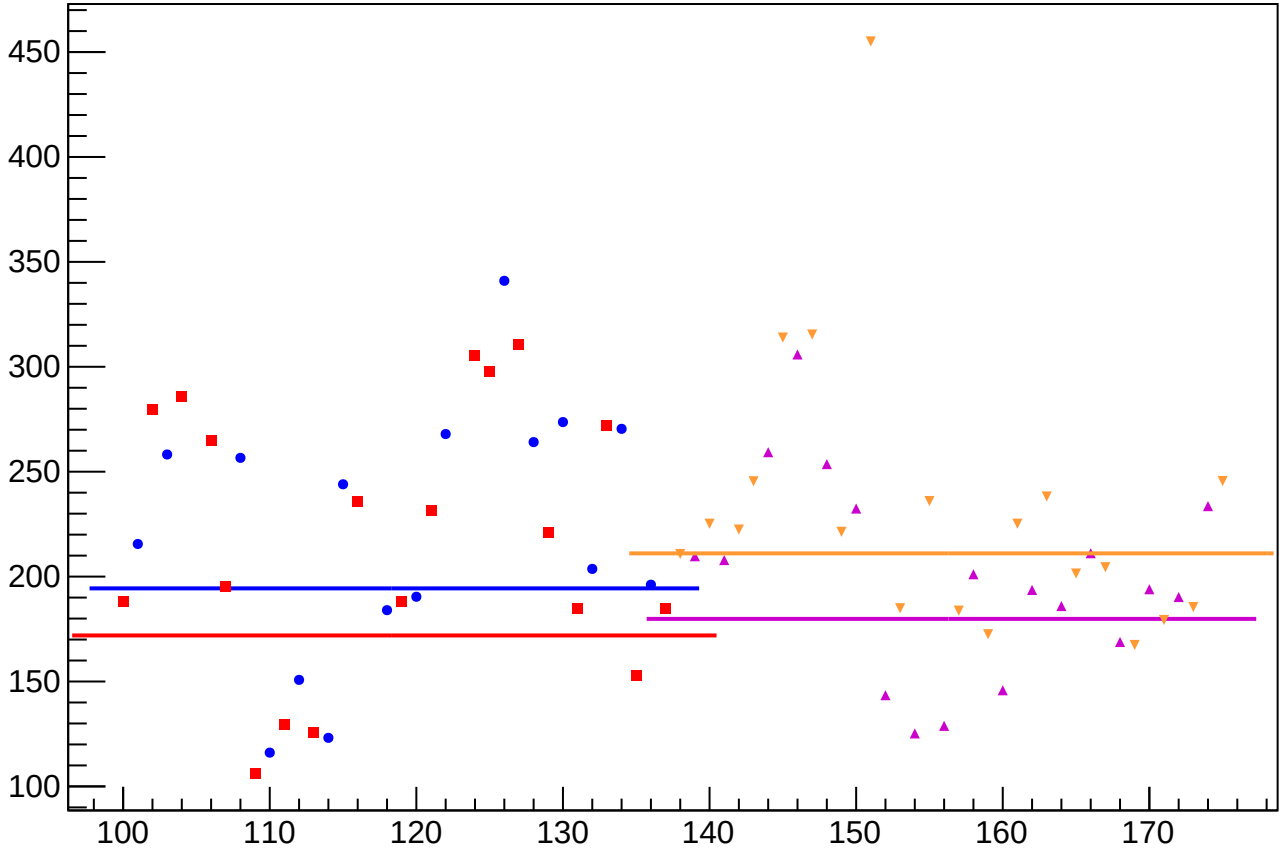
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 61.468+/-41.336 χ^2/NDF:24.7/33

Out: 34.138+/-42.775 χ^2/NDF:29.5/38

All: 48.270+/-29.724 χ^2/NDF: 54.4/72

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.071+/-0.039 χ^2/NDF:1269333.6/19

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

Left: 193.740+/-0.026 χ^2/NDF: 3260670.8/37

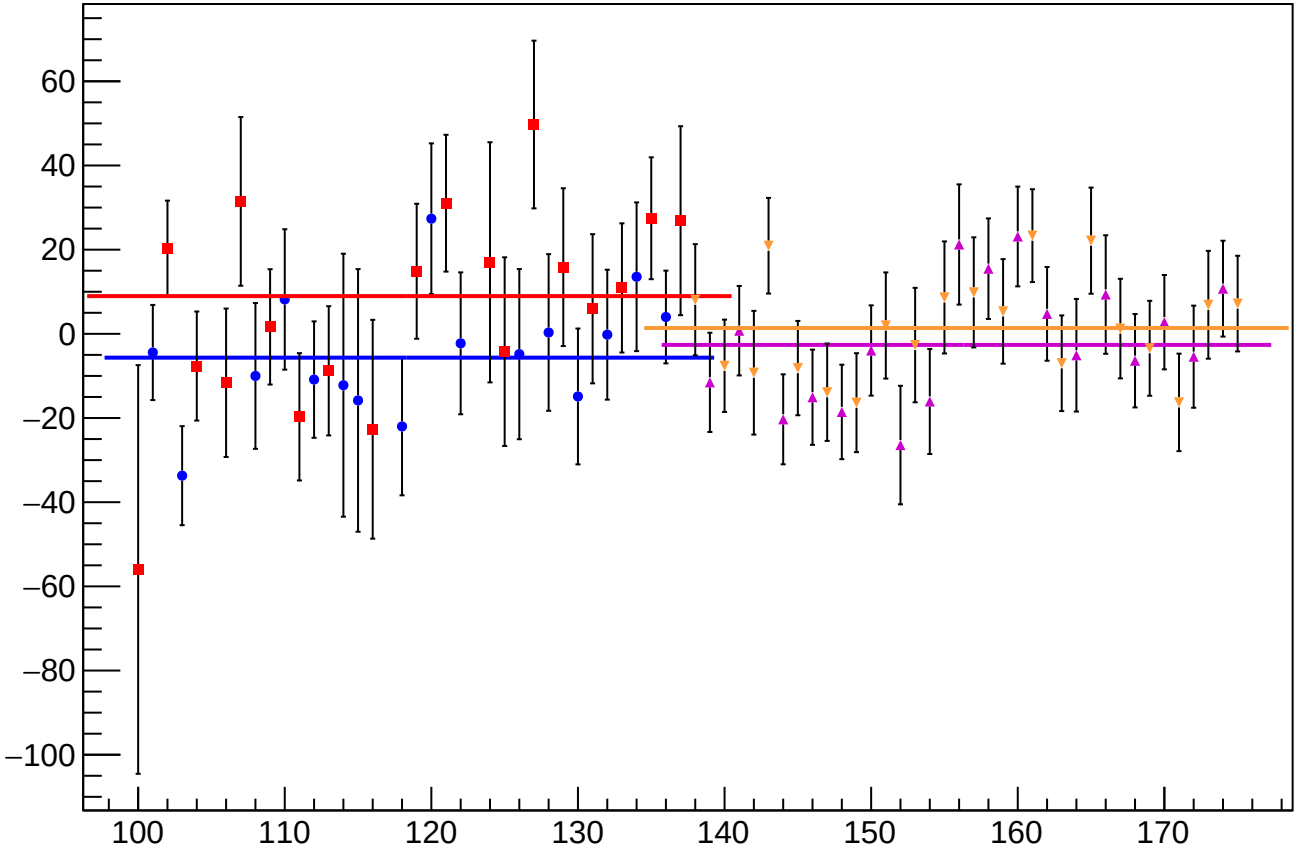
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.097+/-0.029 χ^2/NDF:2725235.3/33

Out: 195.713+/-0.030 χ^2/NDF:3319624.7/38

All: 189.706+/-0.021 χ^2/NDF: 6121121.2/72

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.631+/-2.784 χ^2/NDF:23.4/17

Left: -0.562+/-1.938 χ^2/NDF: 44.7/37

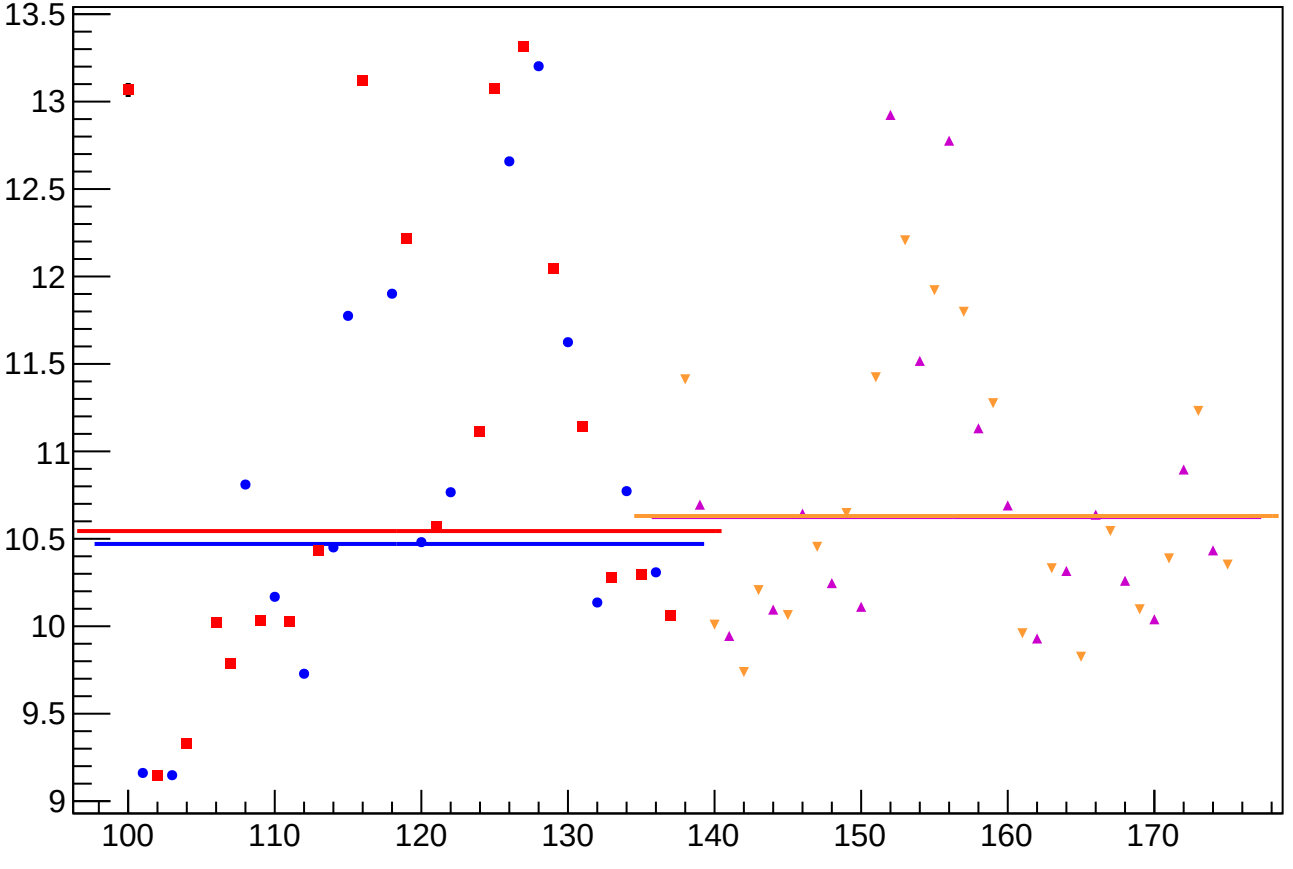
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.639+/-2.273 χ^2/NDF:37.5/33

Out: 3.836+/-2.219 χ^2/NDF:45.6/38

All: 0.188+/-1.588 χ^2/NDF: 88.6/72

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

Left: 10.627+/-0.001 χ^2/NDF: 282733.4/37

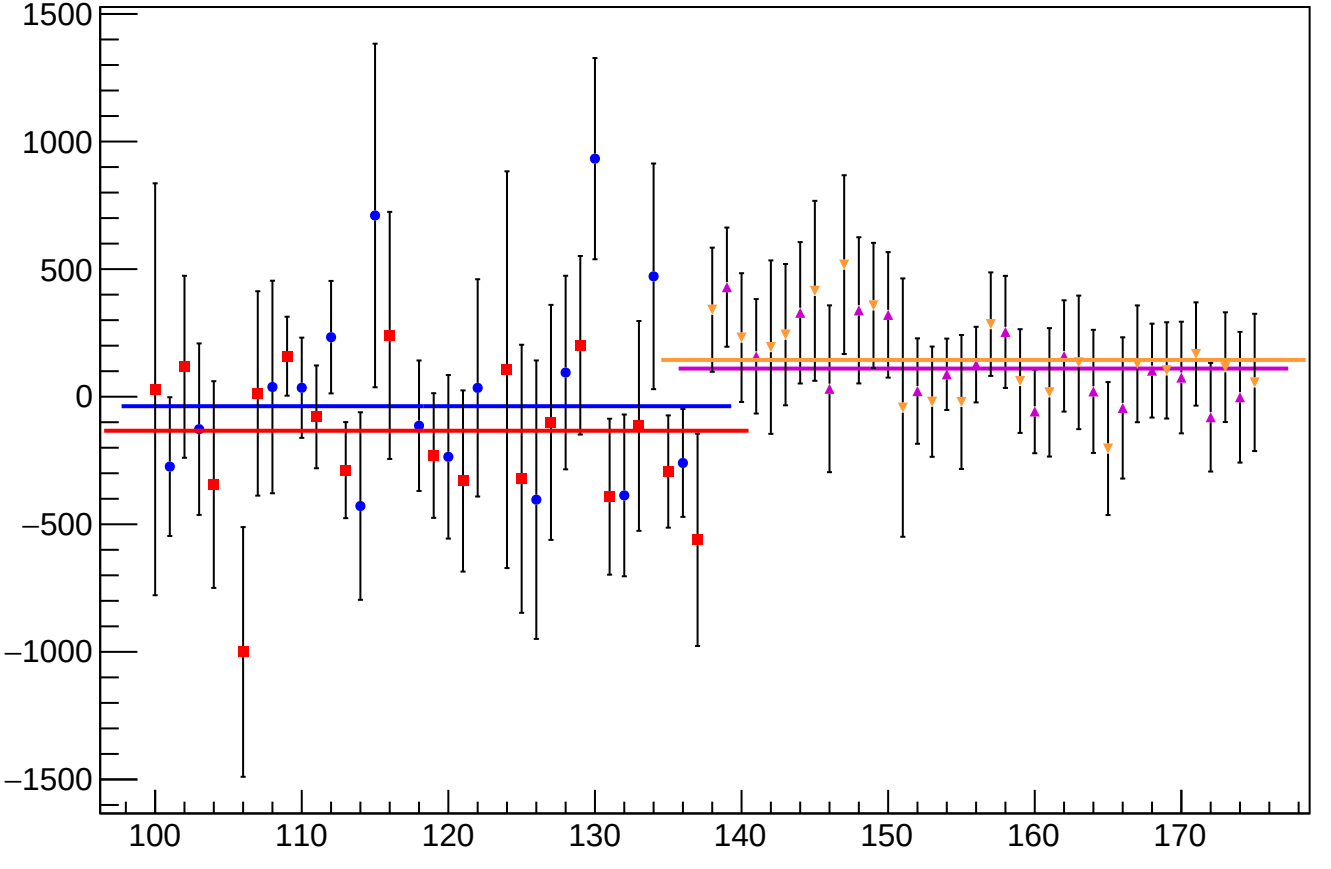
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.573+/-0.002 χ^2/NDF:310061.8/33

Out: 10.603+/-0.002 χ^2/NDF:319501.5/38

All: 10.588+/-0.001 χ^2/NDF: 629735.2/72

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 144.174+/-55.250 χ^2/NDF:7.4/19

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 110.289+/-49.611 χ^2/NDF:7.2/17

Left: 125.415+/-36.914 χ^2/NDF: 14.8/37

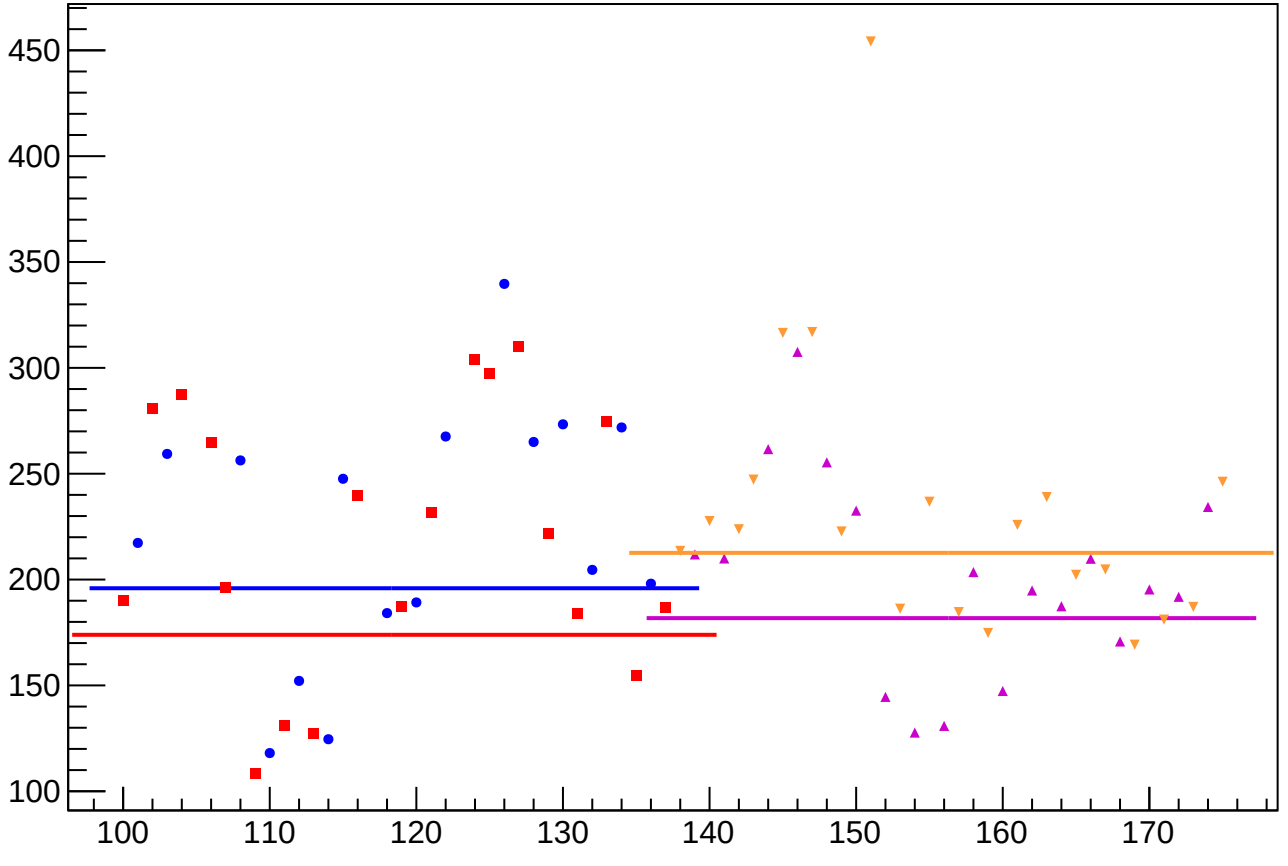
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 66.943+/-41.691 χ^2/NDF:25.4/33

Out: 35.517+/-43.100 χ^2/NDF:30.2/38

All: 51.752+/-29.966 χ^2/NDF: 55.9/72

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 212.624+/-0.039 χ^2/NDF:1249079.3/19

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

Left: 195.548+/-0.026 χ^2/NDF: 3177884.4/37

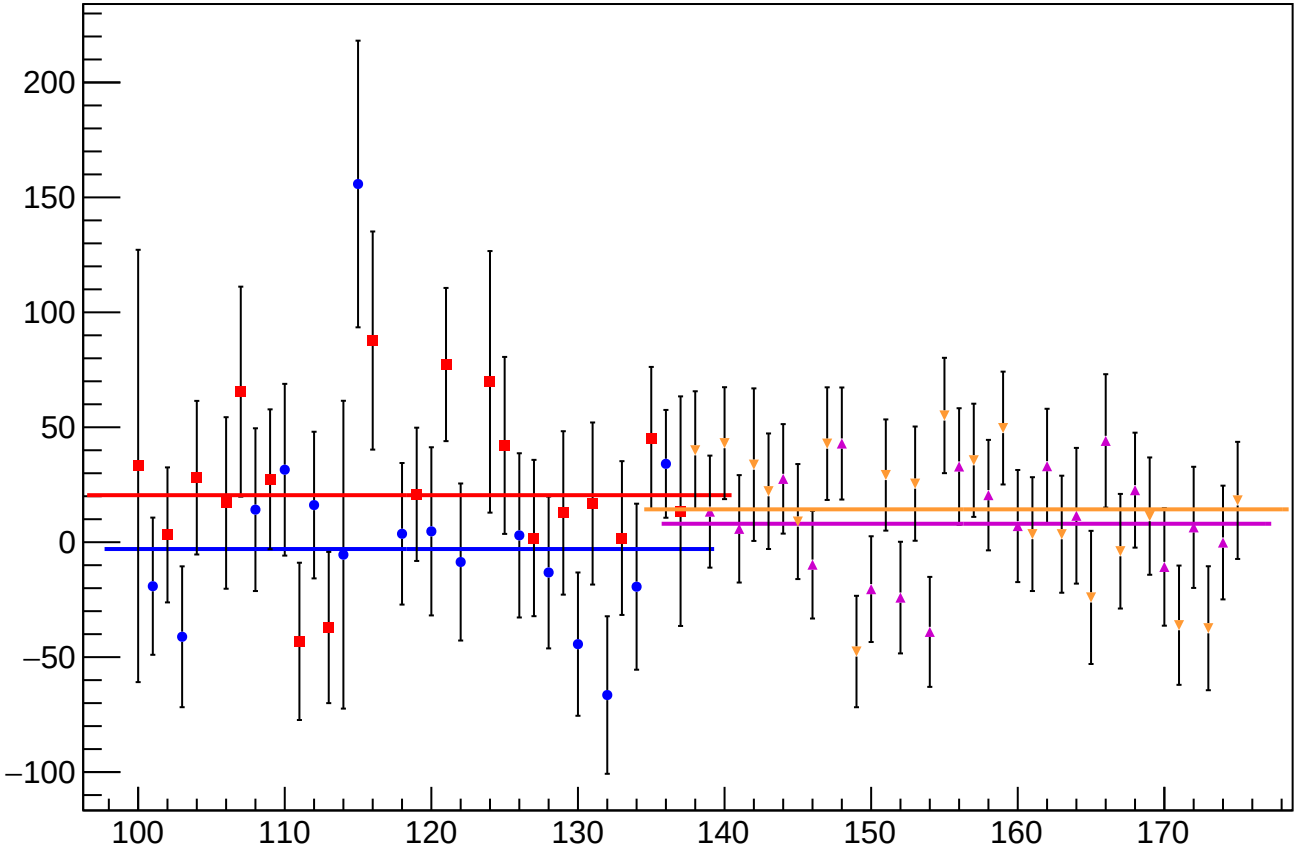
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 185.928+/-0.029 χ^2/NDF:2642326.8/33

Out: 197.465+/-0.030 χ^2/NDF:3233266.0/38

All: 191.505+/-0.021 χ^2/NDF: 5949631.2/72

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.297+/-5.698 χ^2/NDF:27.0/19

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.024+/-5.849 χ^2/NDF:15.3/17

Left: 11.243+/-4.082 χ^2/NDF: 42.8/37

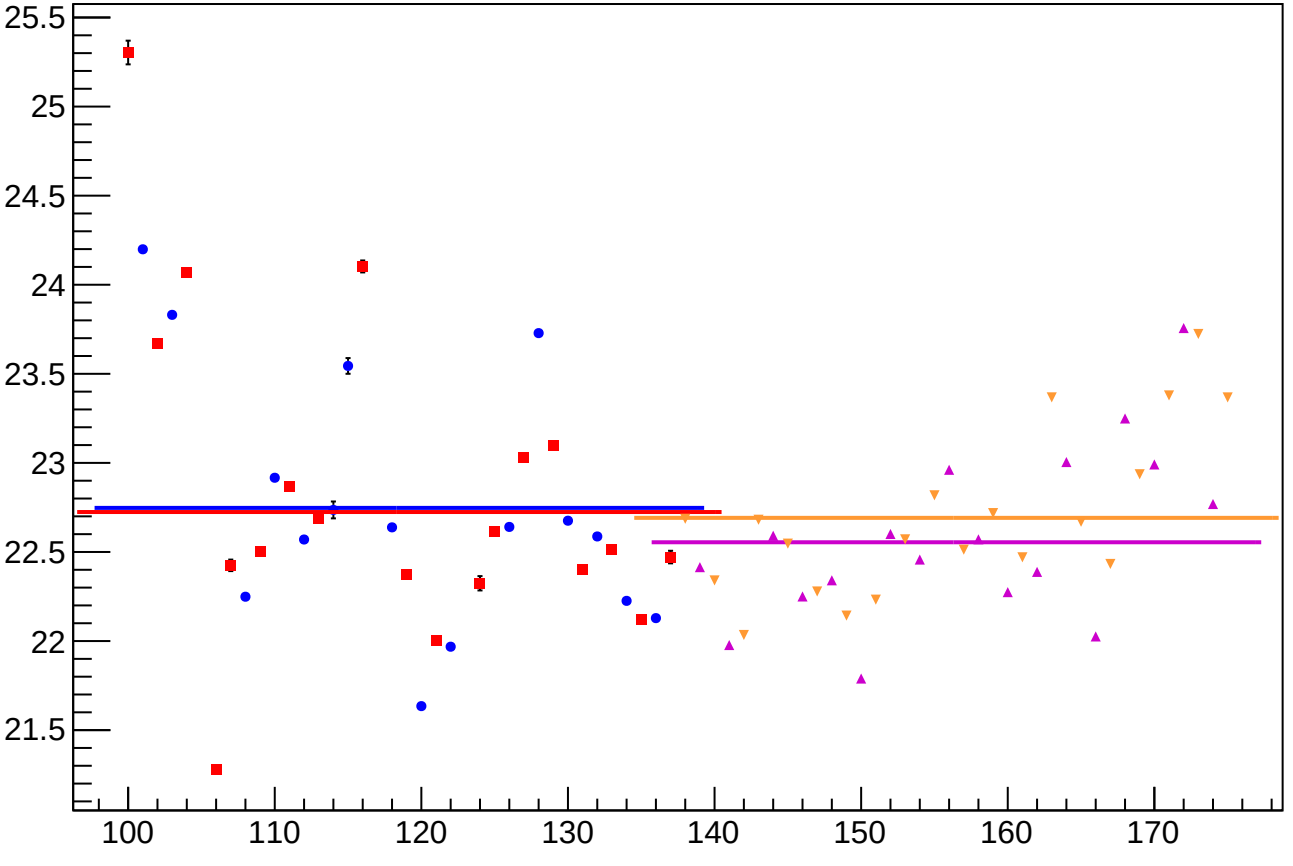
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.466+/-4.810 χ^2/NDF:34.4/33

Out: 16.273+/-4.696 χ^2/NDF:42.6/38

All: 10.511+/-3.360 χ^2/NDF: 80.1/72

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.692+/-0.004 χ^2/NDF:11501.8/19

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

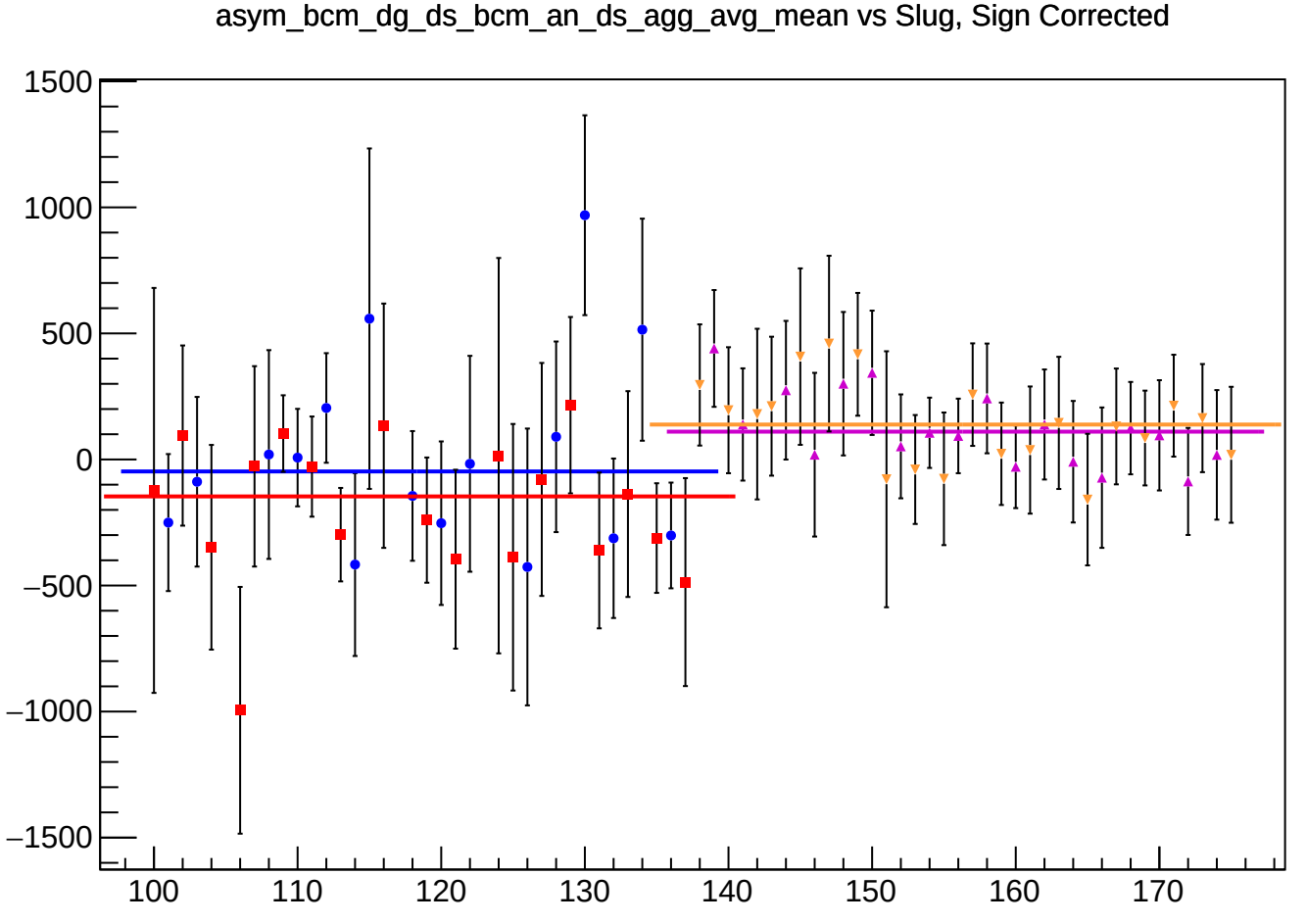
Left: 22.625+/-0.003 χ^2/NDF: 24536.5/37

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.617+/-0.003 χ^2/NDF:27799.1/33

Out: 22.702+/-0.003 χ^2/NDF:26013.6/38

All: 22.661+/-0.002 χ^2/NDF: 54132.9/72



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.478+/-55.143 χ^2/NDF:7.4/19

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 110.281+/-49.483 χ^2/NDF:6.7/17

Left: 122.858+/-36.829 χ^2/NDF: 14.3/37

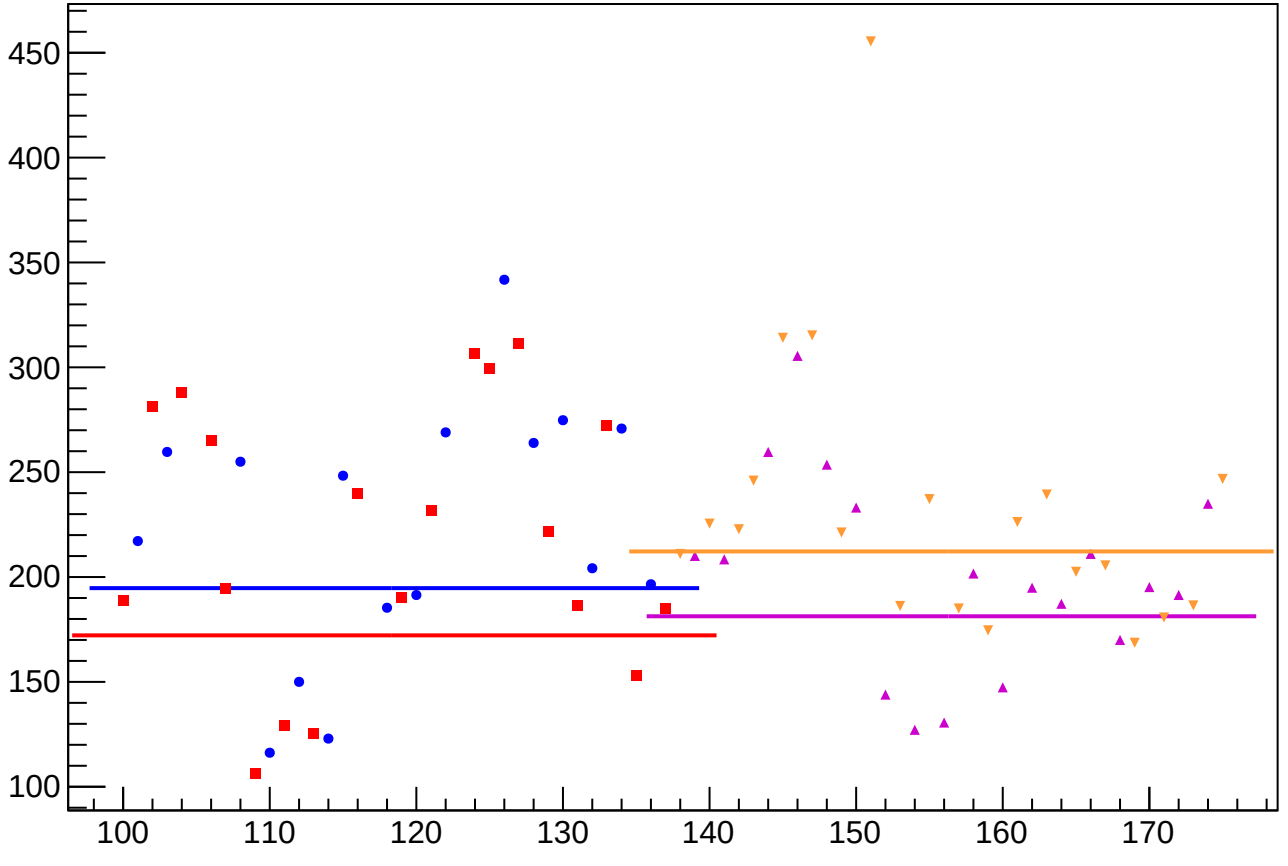
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 63.793+/-41.560 χ^2/NDF:25.1/33

Out: 26.187+/-42.929 χ^2/NDF:29.5/38

All: 45.599+/-29.860 χ^2/NDF: 55.0/72

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 212.200+/-0.039 χ^2/NDF:1244638.0/19

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

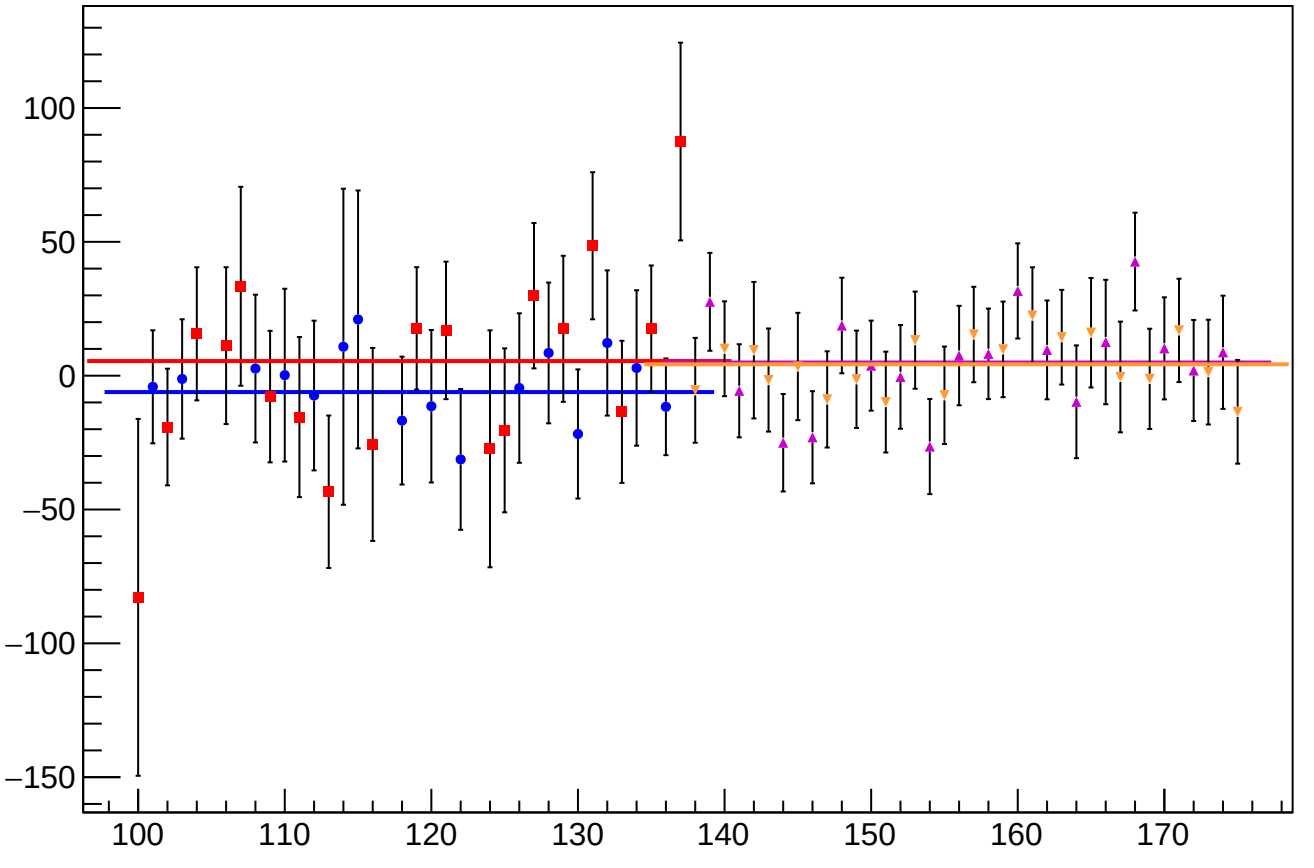
Left: 195.077+/-0.026 χ^2/NDF: 3170030.9/37

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.242+/-0.029 χ^2/NDF:2672877.1/33

Out: 196.437+/-0.030 χ^2/NDF:3330559.1/38

All: 190.658+/-0.021 χ^2/NDF: 6073649.1/72



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.250+/-4.242 χ^2/NDF:5.9/19

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 4.919+/-4.361 χ^2/NDF:18.4/17

Left: 4.575+/-3.041 χ^2/NDF: 24.4/37

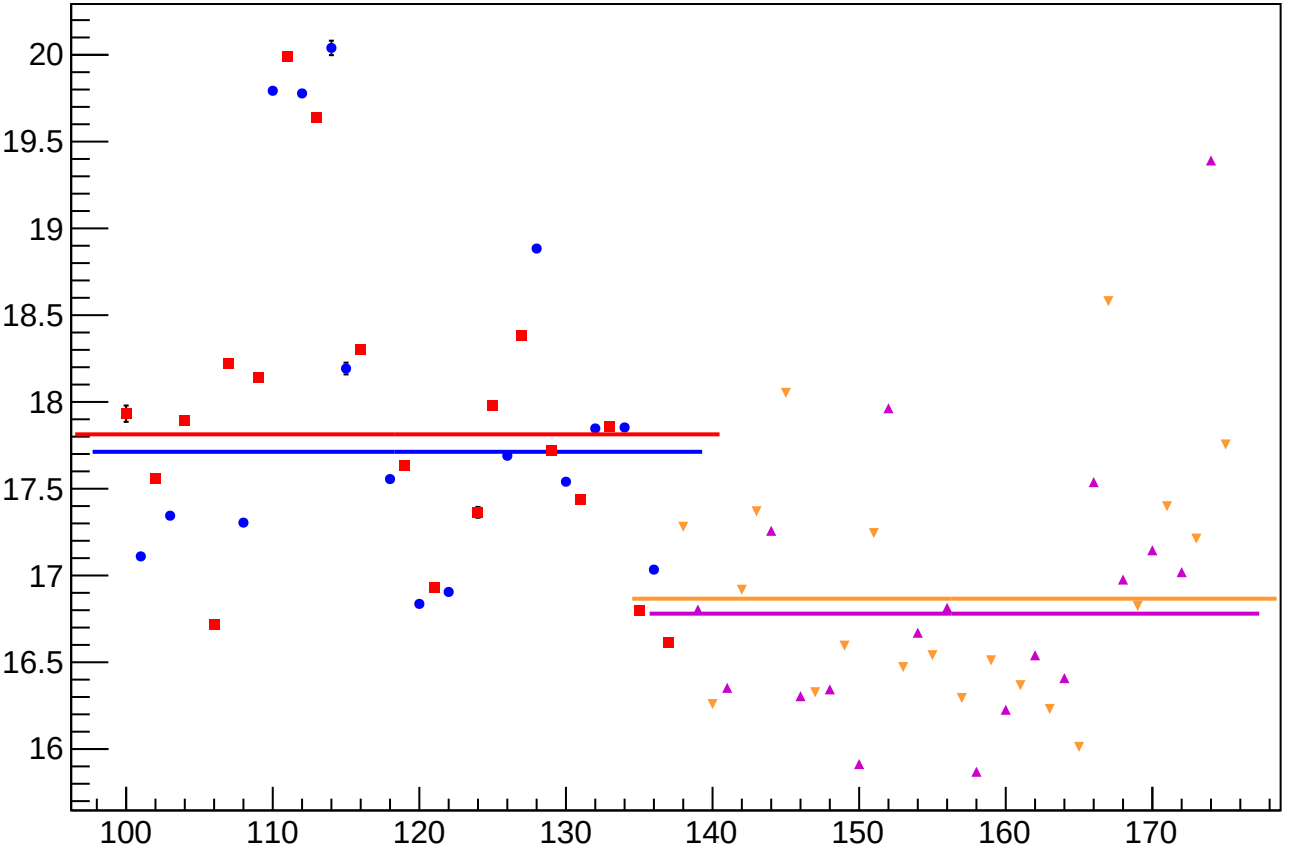
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 1.559+/-3.637 χ^2/NDF:23.5/33

Out: 4.614+/-3.554 χ^2/NDF:25.1/38

All: 3.122+/-2.542 χ^2/NDF: 49.0/72

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.866+/-0.003 χ^2/NDF:46790.3/19

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

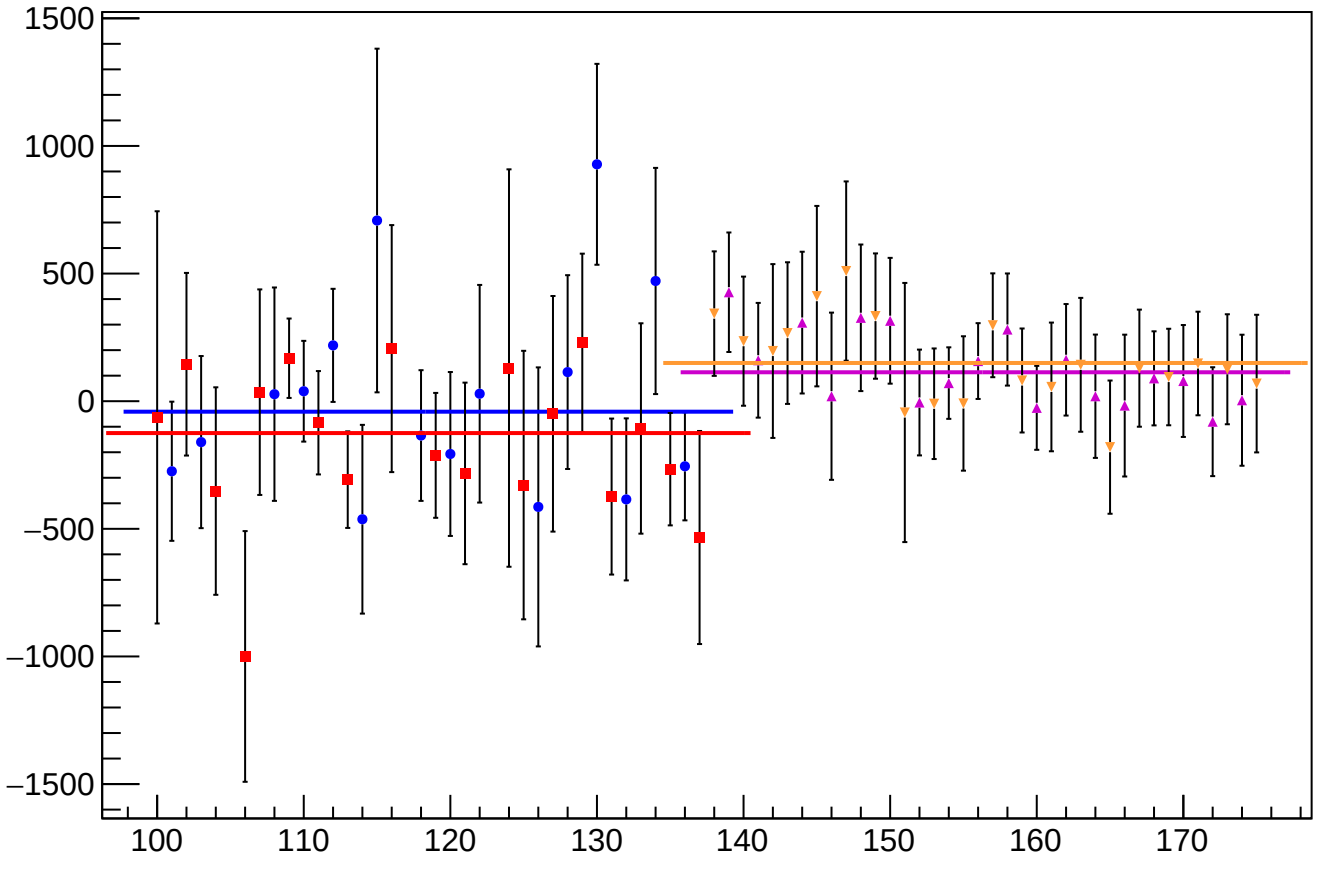
Left: 16.824+/-0.002 χ^2/NDF: 107972.5/37

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.064+/-0.003 χ^2/NDF:124602.2/33

Out: 17.149+/-0.003 χ^2/NDF:109217.1/38

All: 17.107+/-0.002 χ^2/NDF: 234372.8/72



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 149.754+/-55.370 χ^2/NDF:6.7/19

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 113.318+/-49.708 χ^2/NDF:6.9/17

Left: 129.578+/-36.989 χ^2/NDF: 13.9/37

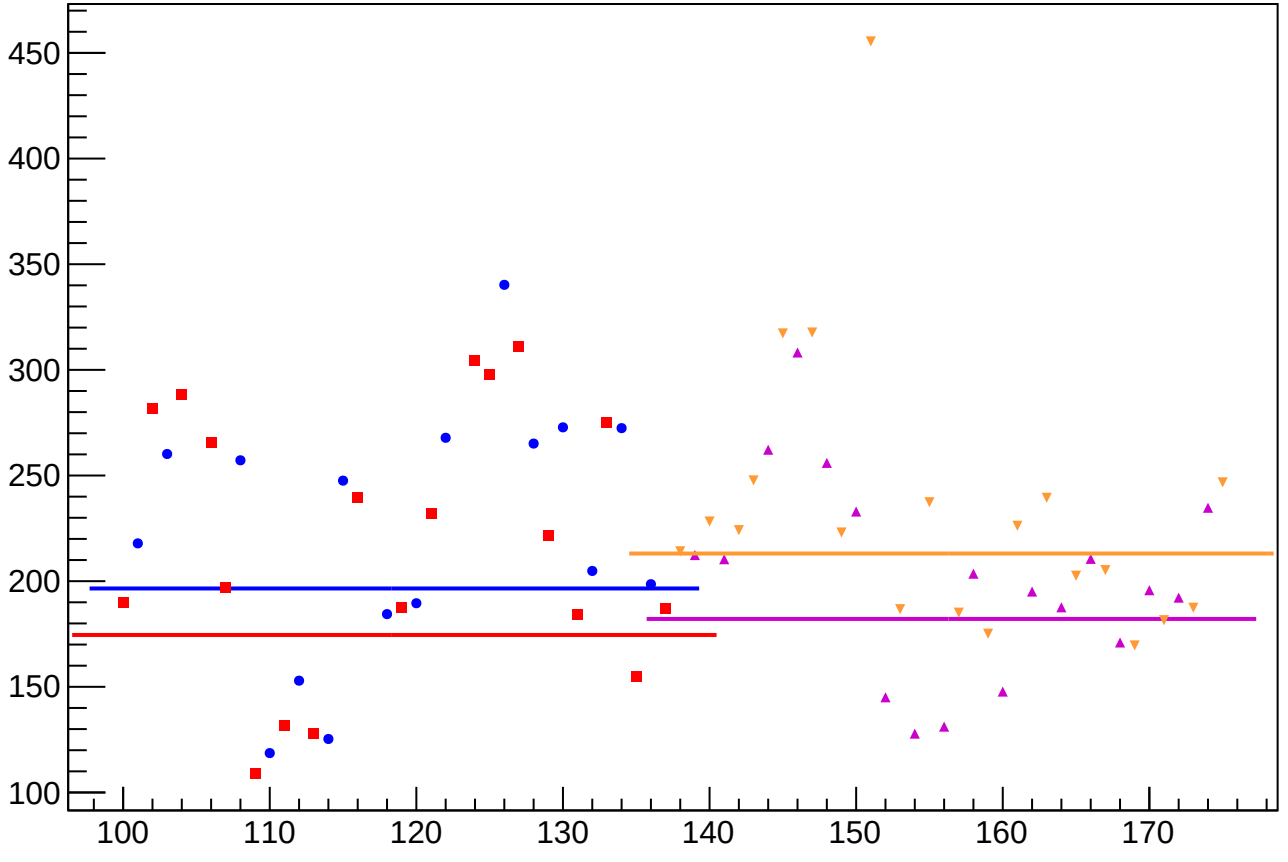
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 68.006+/-41.784 χ^2/NDF:25.4/33

Out: 42.386+/-43.211 χ^2/NDF:29.2/38

All: 55.626+/-30.038 χ^2/NDF: 54.8/72

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 213.080+/-0.039 χ^2/NDF:1249541.4/19

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

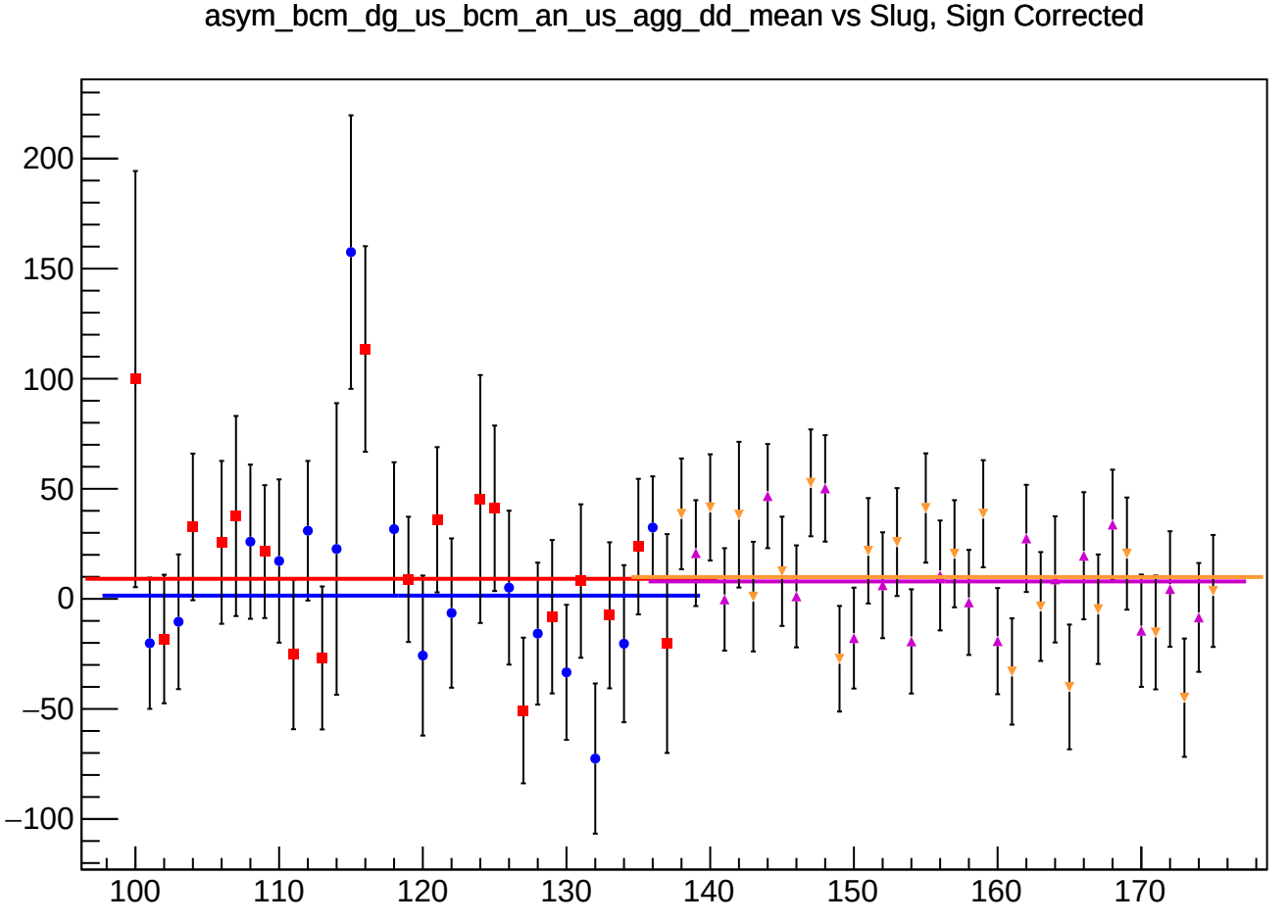
Left: 195.943+/-0.026 χ^2/NDF: 3179256.6/37

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

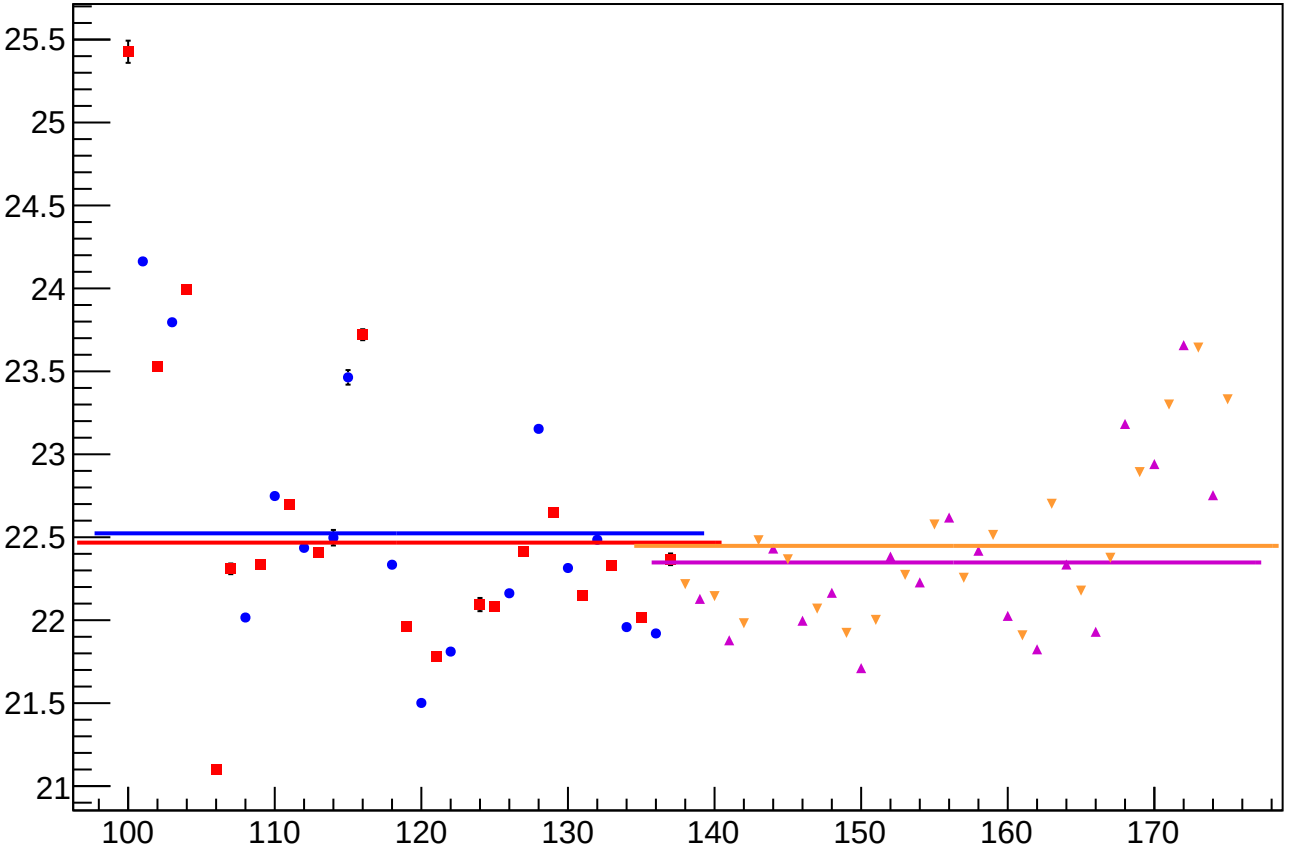
In: 186.360+/-0.030 χ^2/NDF:2633816.8/33

Out: 198.013+/-0.031 χ^2/NDF:3217096.8/38

All: 191.991+/-0.021 χ^2/NDF: 5926076.8/72


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 1.475+/-8.370 χ²/NDF: 18.7/15
Left Out: 9.918+/-5.637 χ²/NDF:25.5/19
Right Out: 9.113+/-8.198 χ²/NDF: 16.5/18
Left In: 7.917+/-5.795 χ²/NDF:13.4/17
Left: 8.945+/-4.041 χ²/NDF: 38.9/37
Right: 5.374+/-5.857 χ²/NDF: 35.6/34
In: 5.829+/-4.765 χ²/NDF:32.4/33
Out: 9.660+/-4.645 χ²/NDF:41.9/38
All: 7.794+/-3.326 χ²/NDF: 74.7/72

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.448+/-0.004 χ^2/NDF:13894.7/19

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

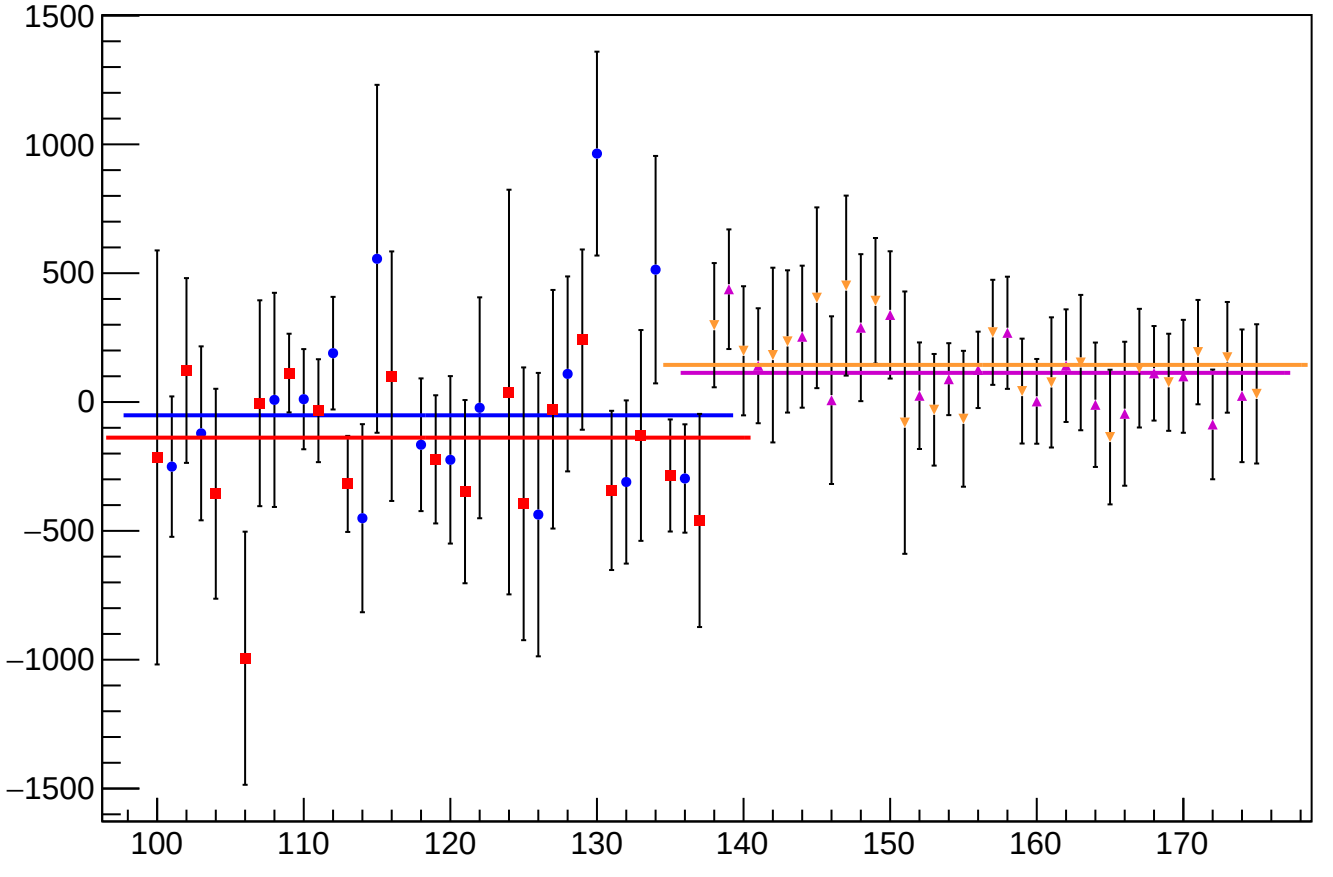
Left: 22.399+/-0.003 χ^2/NDF: 28180.1/37

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.405+/-0.003 χ^2/NDF:30521.7/33

Out: 22.454+/-0.003 χ^2/NDF:29528.9/38

All: 22.430+/-0.002 χ^2/NDF: 60161.1/72



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 144.125+/-55.263 χ^2/NDF:6.7/19

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 113.219+/-49.579 χ^2/NDF:6.3/17

Left: 127.001+/-36.904 χ^2/NDF: 13.2/37

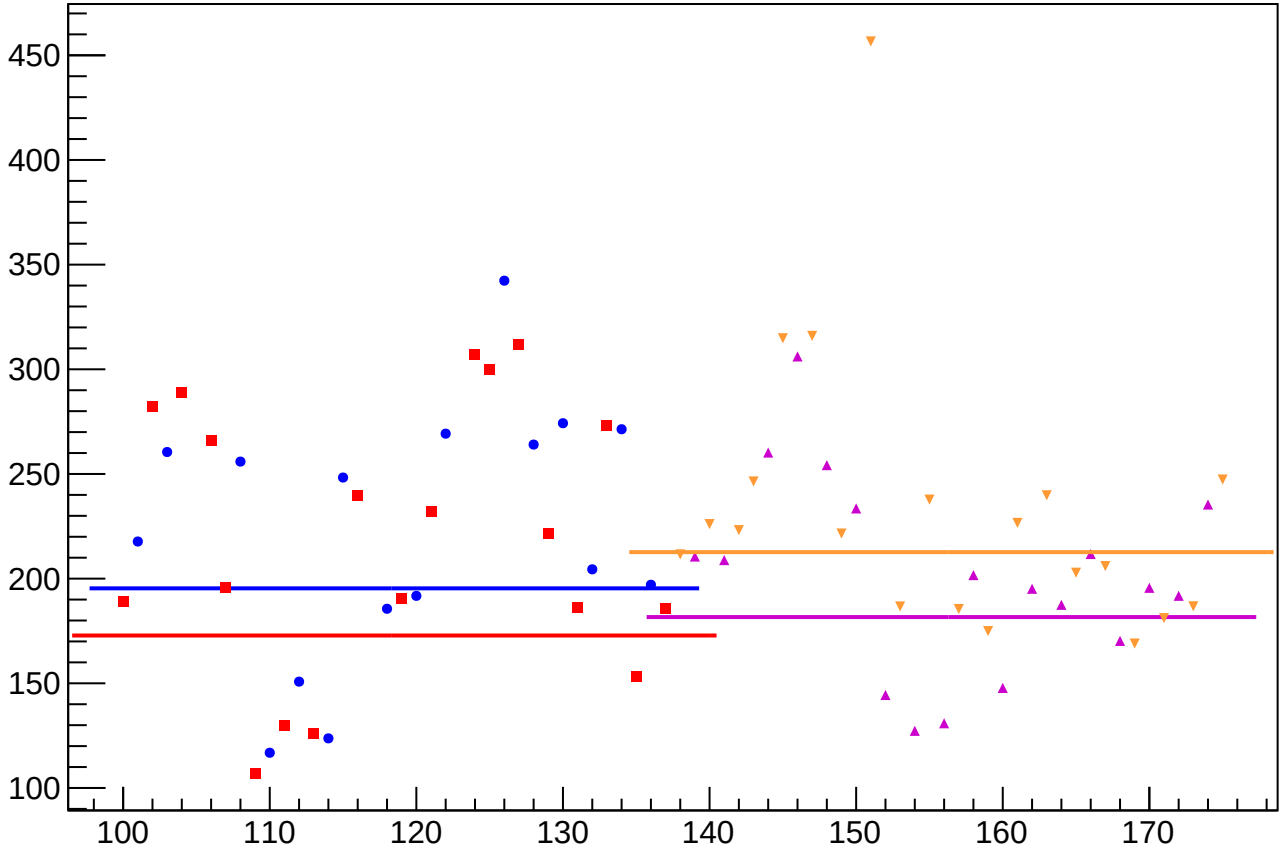
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 64.766+/-41.653 χ^2/NDF:24.9/33

Out: 33.069+/-43.042 χ^2/NDF:28.5/38

All: 49.437+/-29.932 χ^2/NDF: 53.7/72

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 212.656+/-0.039 χ^2/NDF:1245089.3/19

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

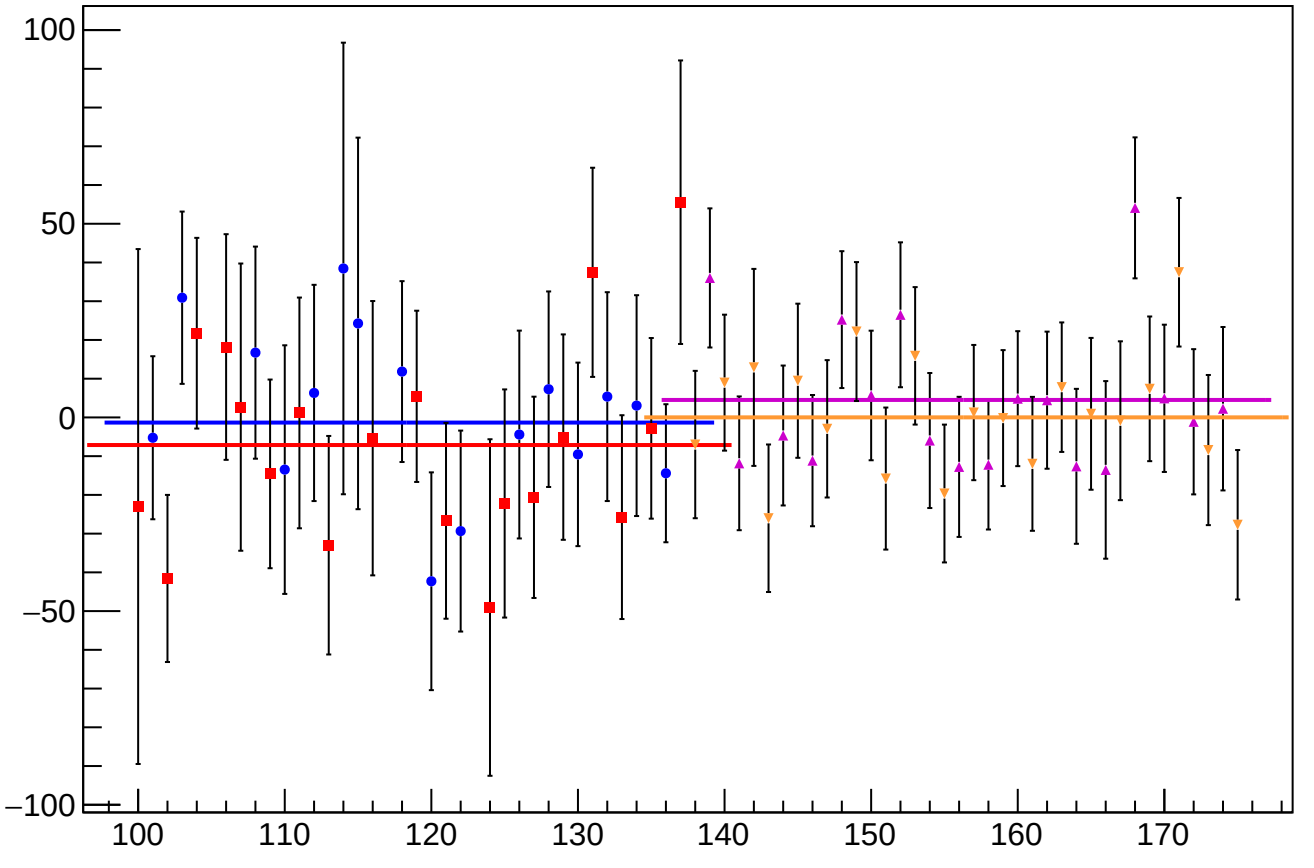
Left: 195.471+/-0.026 χ^2/NDF: 3171562.8/37

Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.676+/-0.029 χ^2/NDF:2663900.5/33

Out: 196.992+/-0.030 χ^2/NDF:3312997.0/38

All: 191.148+/-0.021 χ^2/NDF: 6048285.4/72



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.016+/-4.159 χ^2/NDF:14.0/19

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 4.513+/-4.290 χ^2/NDF:19.0/17

Left: 2.195+/-2.986 χ^2/NDF: 33.6/37

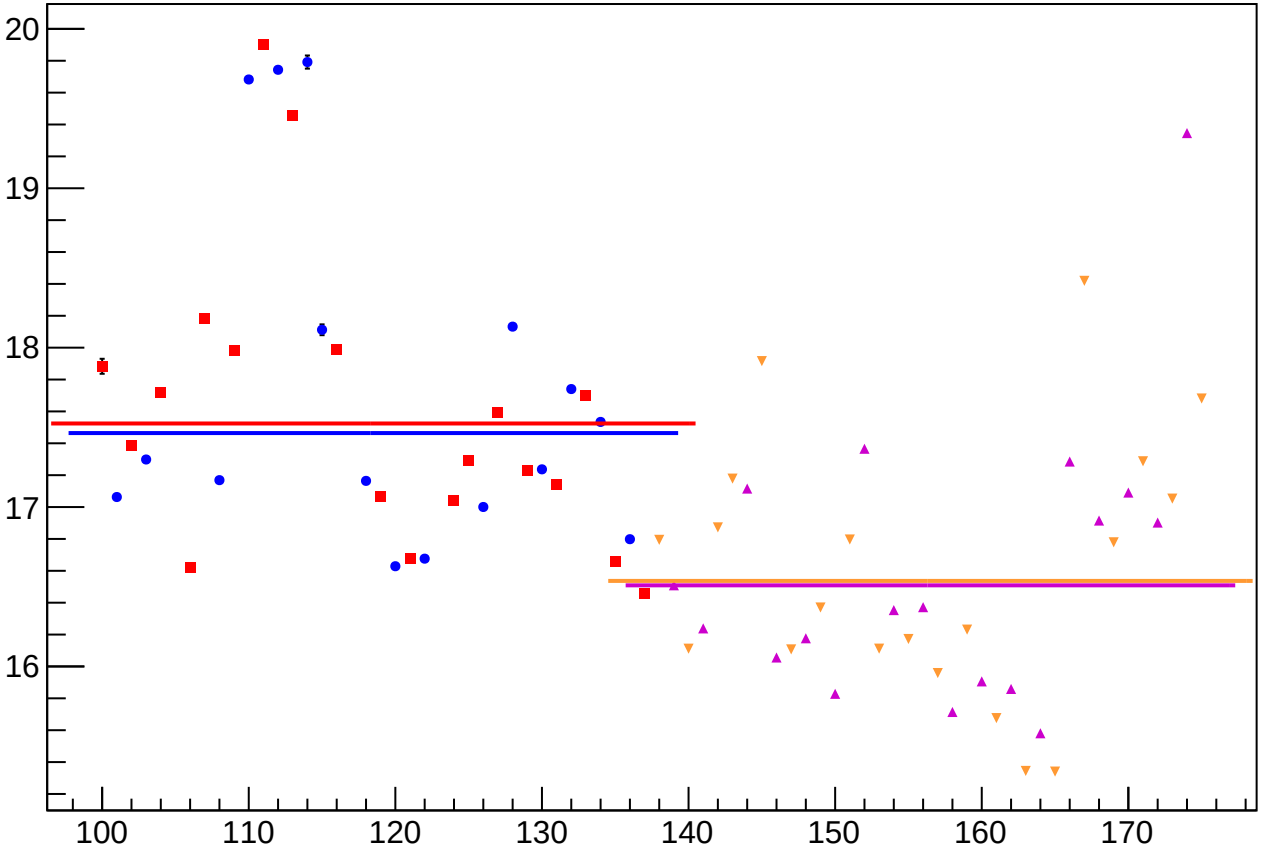
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.739+/-3.580 χ^2/NDF:27.6/33

Out: -2.104+/-3.488 χ^2/NDF:29.3/38

All: 0.254+/-2.498 χ^2/NDF: 57.8/72

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.537+/-0.003 χ^2/NDF:71593.9/19

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

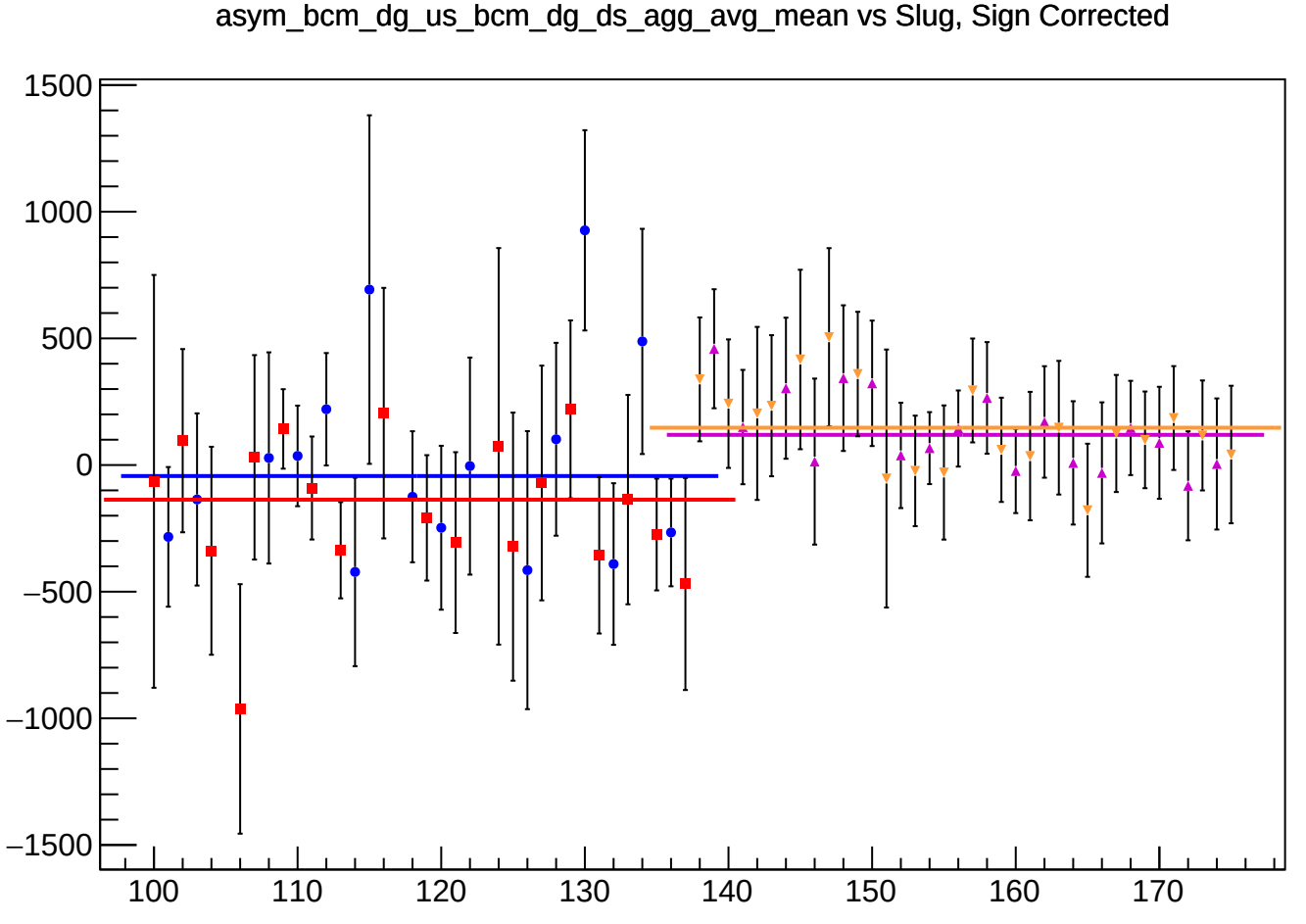
Left: 16.523+/-0.002 χ^2/NDF: 140435.4/37

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.799+/-0.003 χ^2/NDF:135548.7/33

Out: 16.830+/-0.002 χ^2/NDF:139792.5/38

All: 16.815+/-0.002 χ^2/NDF: 275418.0/72



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.350+/-55.728 χ^2/NDF:7.1/19

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 119.170+/-50.107 χ^2/NDF:7.1/17

Left: 131.768+/-37.260 χ^2/NDF: 14.4/37

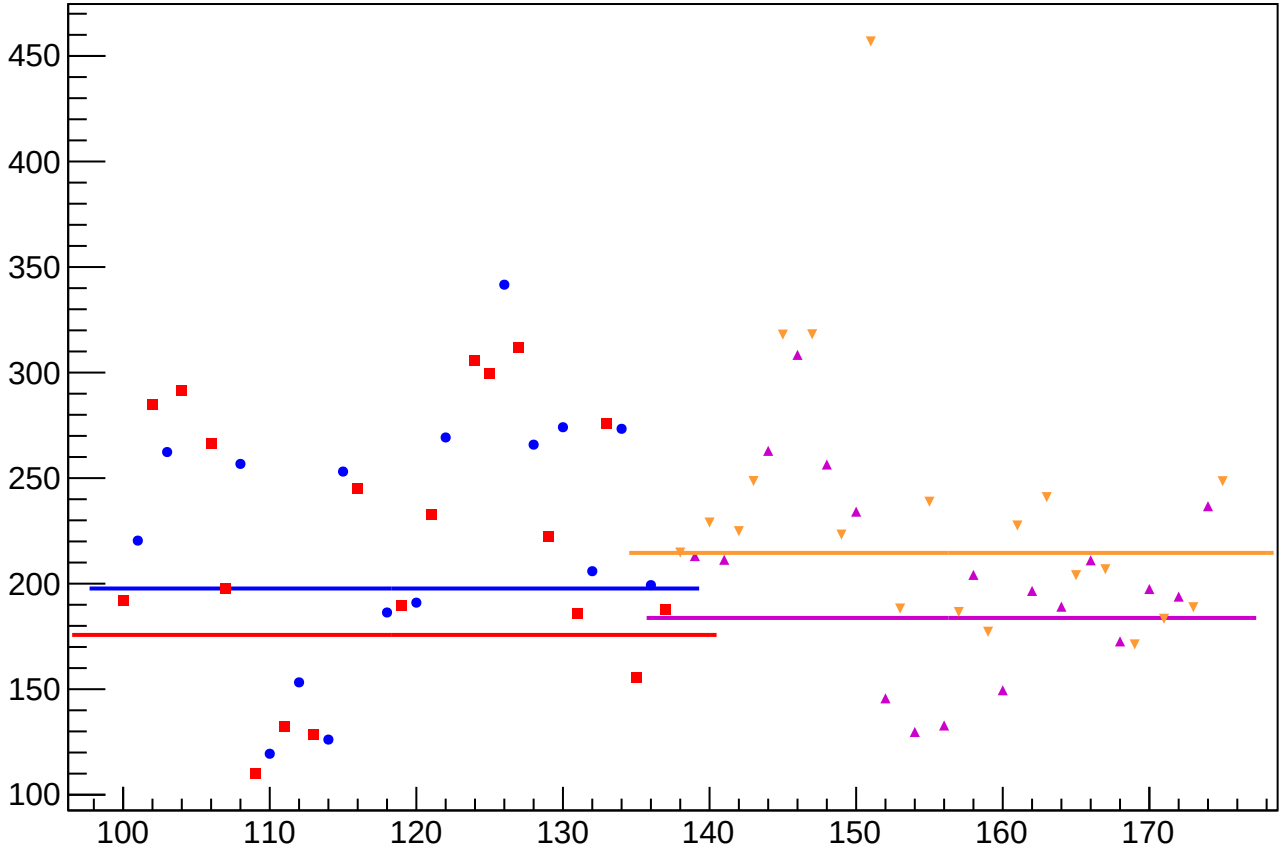
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 71.324+/-42.092 χ^2/NDF:25.6/33

Out: 36.270+/-43.491 χ^2/NDF:28.8/38

All: 54.370+/-30.246 χ^2/NDF: 54.8/72

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 214.576+/-0.039 χ^2/NDF:1226021.0/19

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

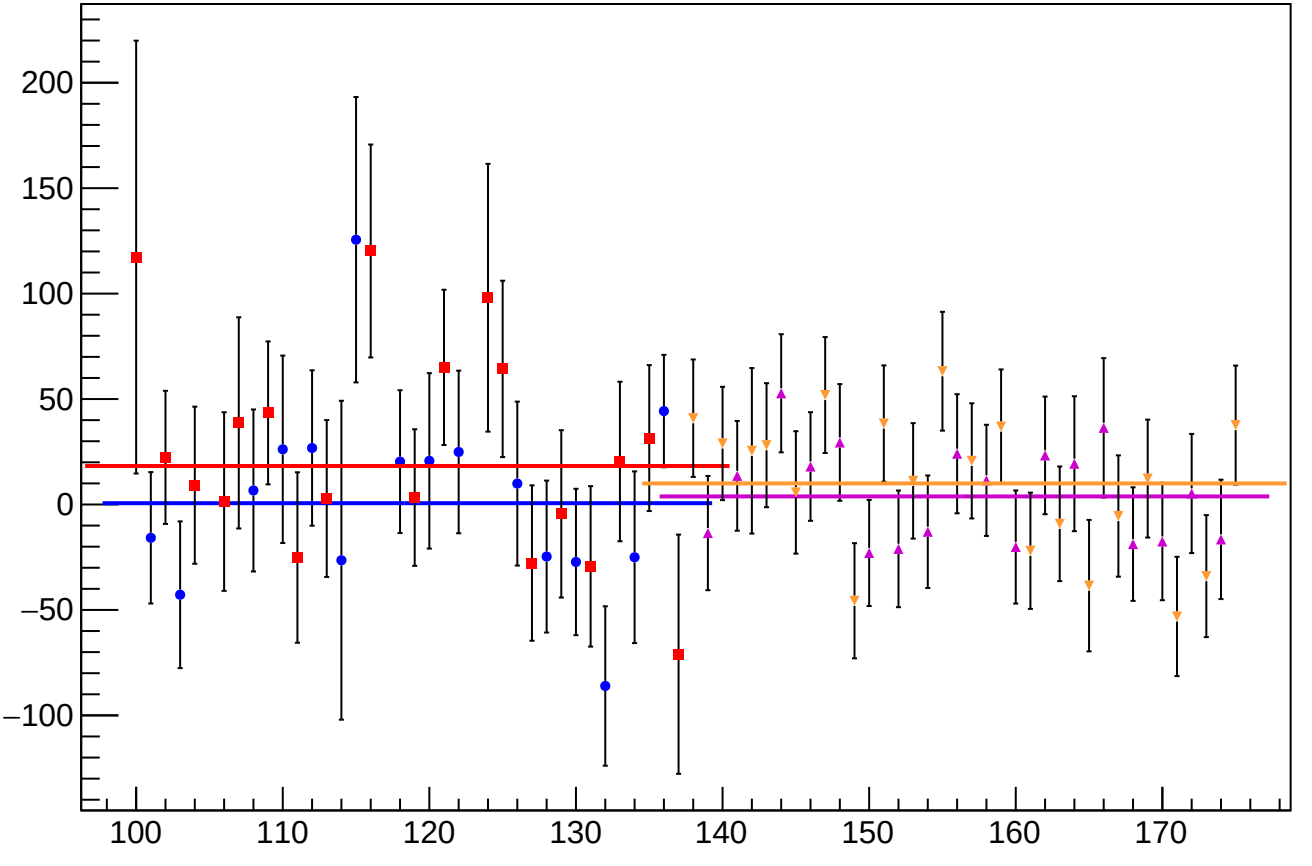
Left: 197.536+/-0.026 χ^2/NDF: 3104306.9/37

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.865+/-0.030 χ^2/NDF:2586047.3/33

Out: 199.383+/-0.031 χ^2/NDF:3196784.3/38

All: 193.436+/-0.021 χ^2/NDF: 5855270.5/72



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.983+/-6.345 χ^2/NDF:27.3/19

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 3.831+/-6.502 χ^2/NDF:12.0/17

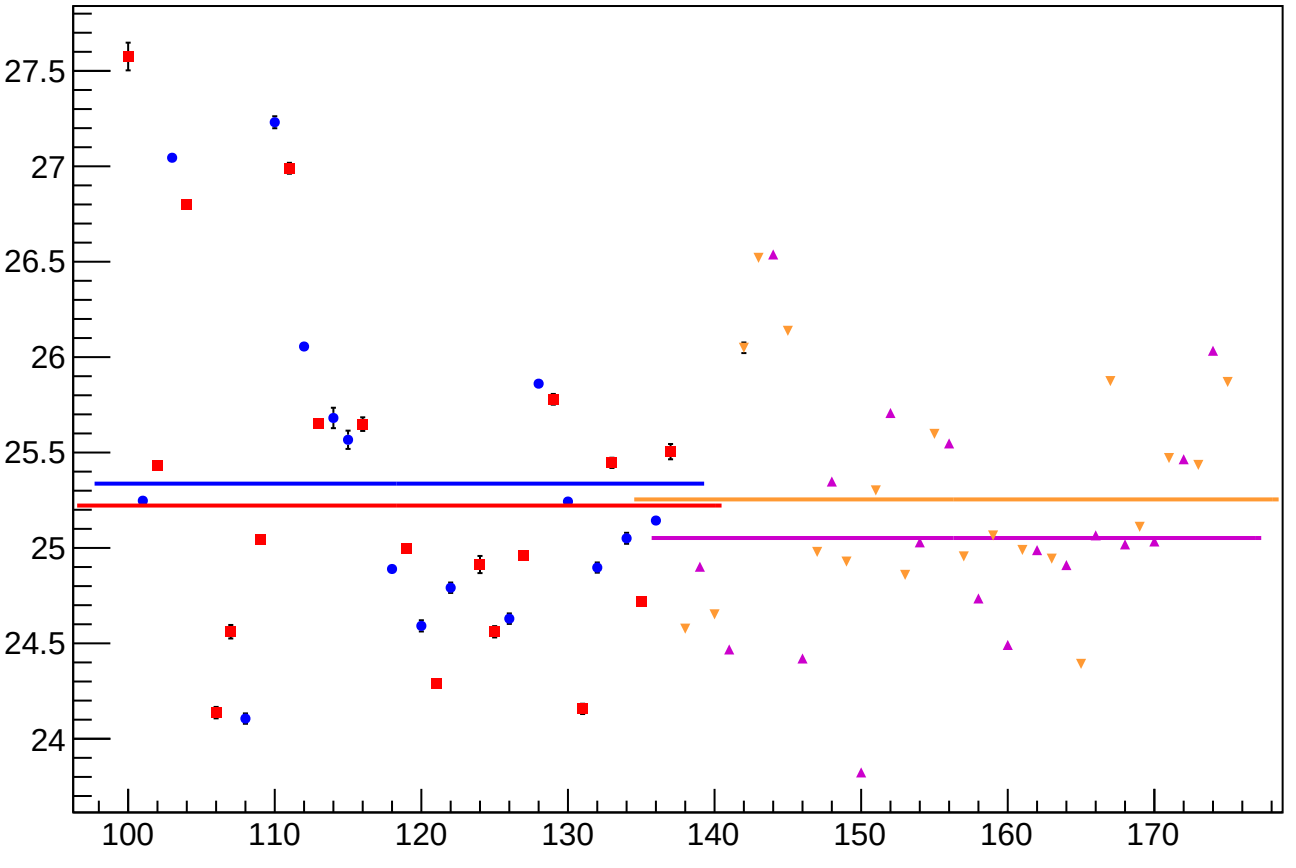
Left: 6.982+/-4.541 χ^2/NDF: 39.8/37

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 2.795+/-5.352 χ^2/NDF:28.8/33

Out: 12.644+/-5.225 χ^2/NDF:45.9/38

All: 7.837+/-3.739 χ^2/NDF: 76.4/72



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.254+/-0.004 χ^2/NDF:14219.3/19

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

Left: 25.156+/-0.003 χ^2/NDF: 33892.3/37

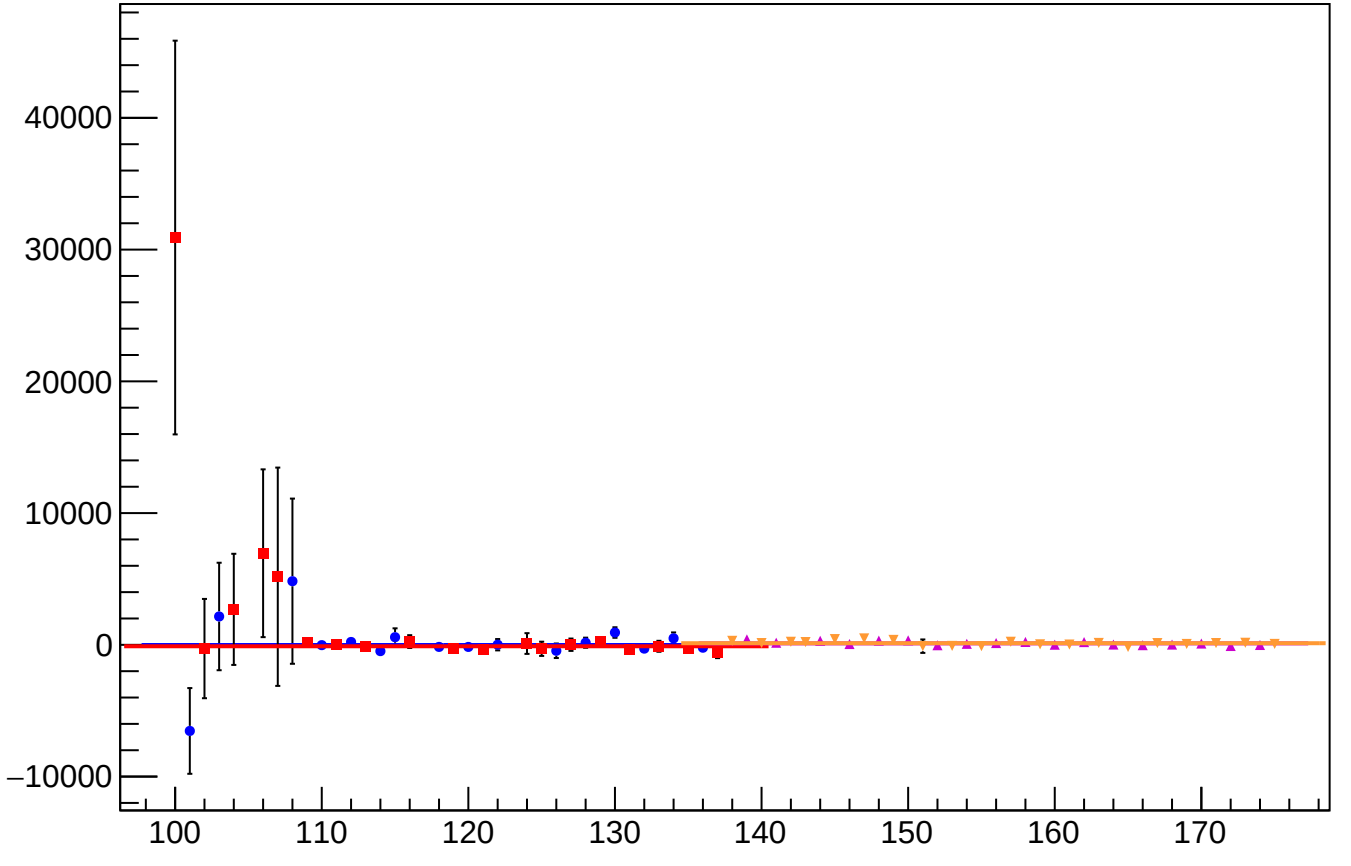
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.144+/-0.004 χ^2/NDF:34236.4/33

Out: 25.244+/-0.004 χ^2/NDF:29460.2/38

All: 25.195+/-0.003 χ^2/NDF: 64053.7/72

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 122.941+/-56.269 χ^2/NDF:7.2/19

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 110.754+/-50.785 χ^2/NDF:6.5/17

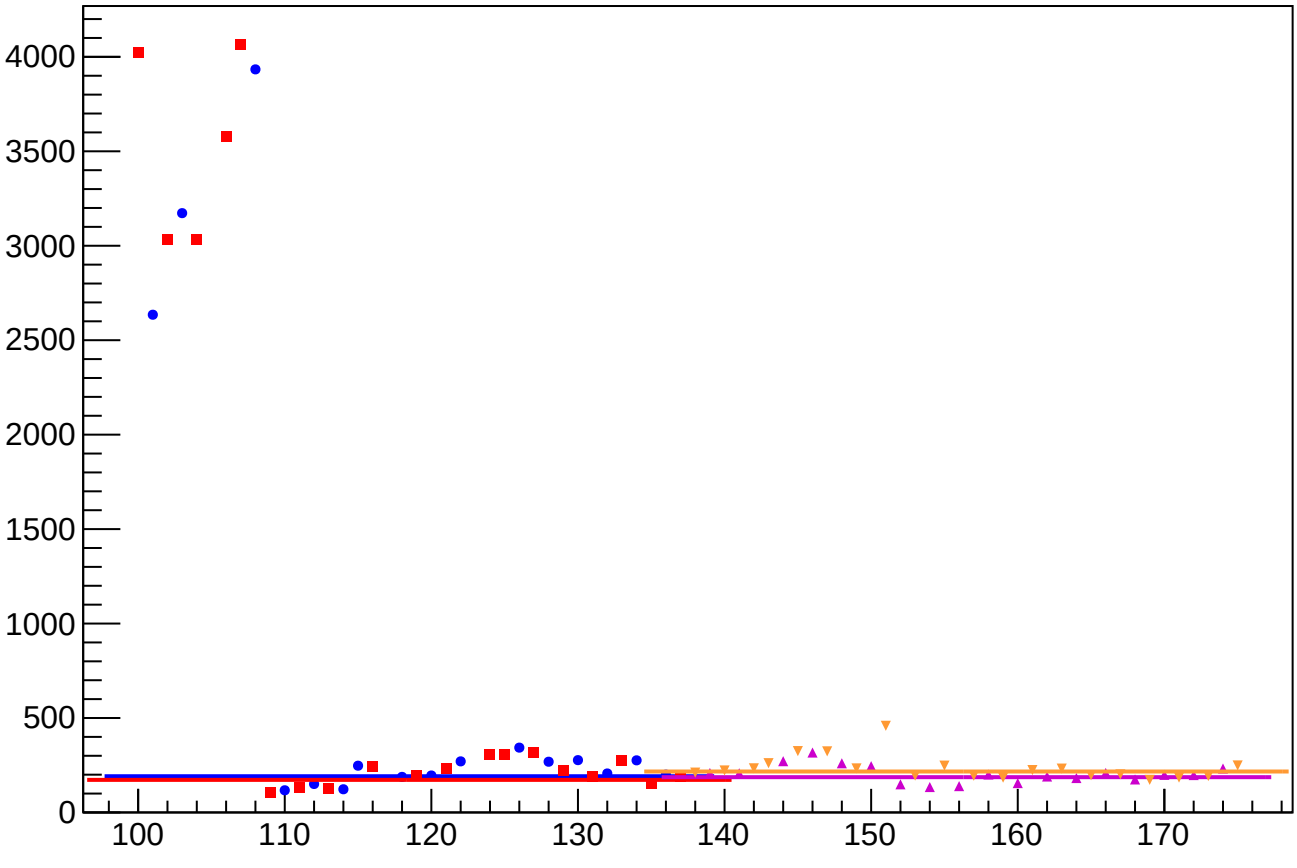
Left: 116.224+/-37.700 χ^2/NDF: 13.7/37

Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 77.381+/-43.556 χ^2/NDF:26.5/33

Out: 43.743+/-45.654 χ^2/NDF:27.0/38

All: 61.353+/-31.514 χ^2/NDF: 53.8/72



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.791+/-0.040 χ^2/NDF:1215558.3/19

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.770+/-0.036 χ^2/NDF:1405351.4/17

Left: 200.246+/-0.027 χ^2/NDF: 2934647.6/37

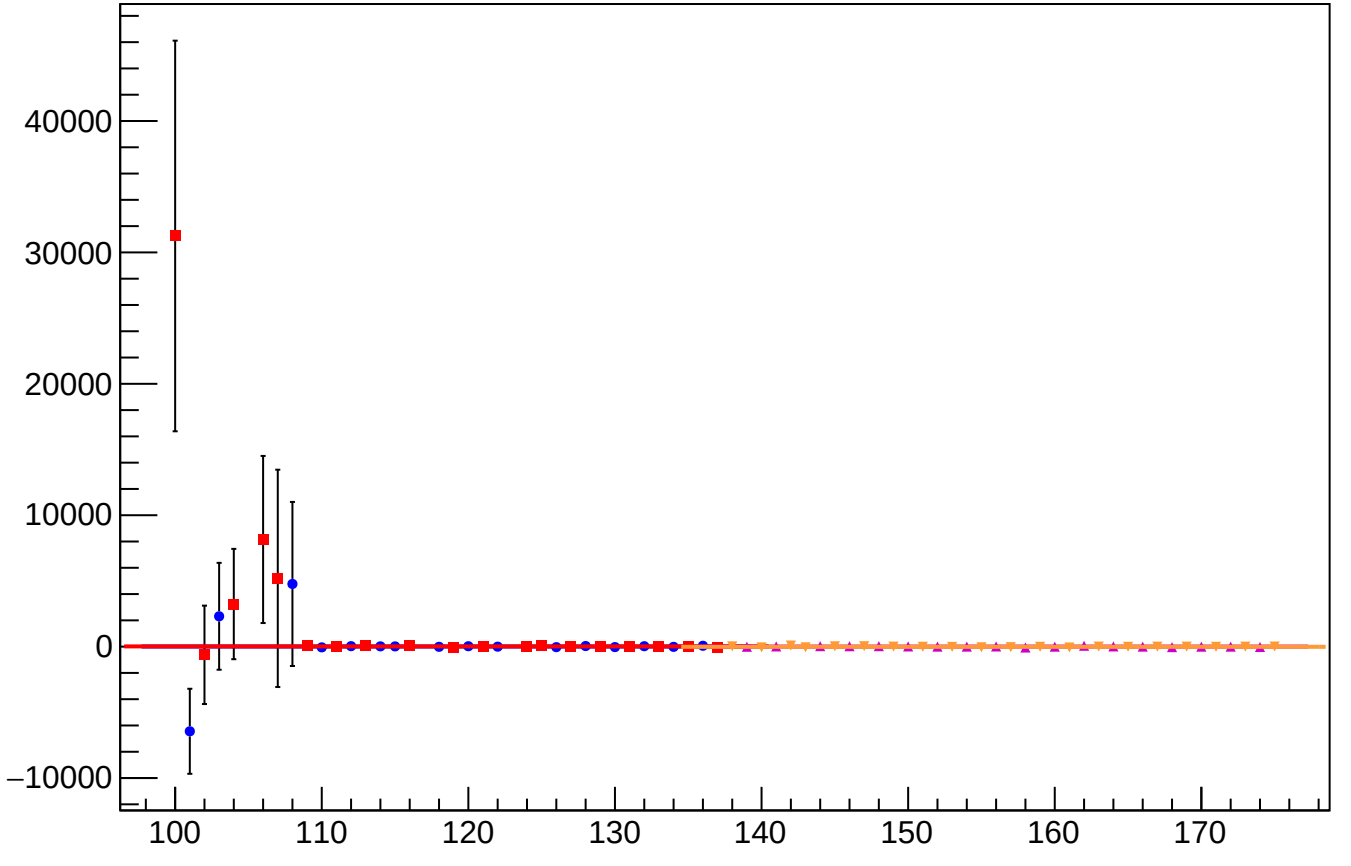
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 188.083+/-0.031 χ^2/NDF:5232212.5/33

Out: 201.643+/-0.032 χ^2/NDF:5942837.4/38

All: 194.544+/-0.022 χ^2/NDF: 11267419.0/72

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.849+/-7.233 χ^2/NDF:18.2/19

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 5.073+/-7.447 χ^2/NDF:17.6/17

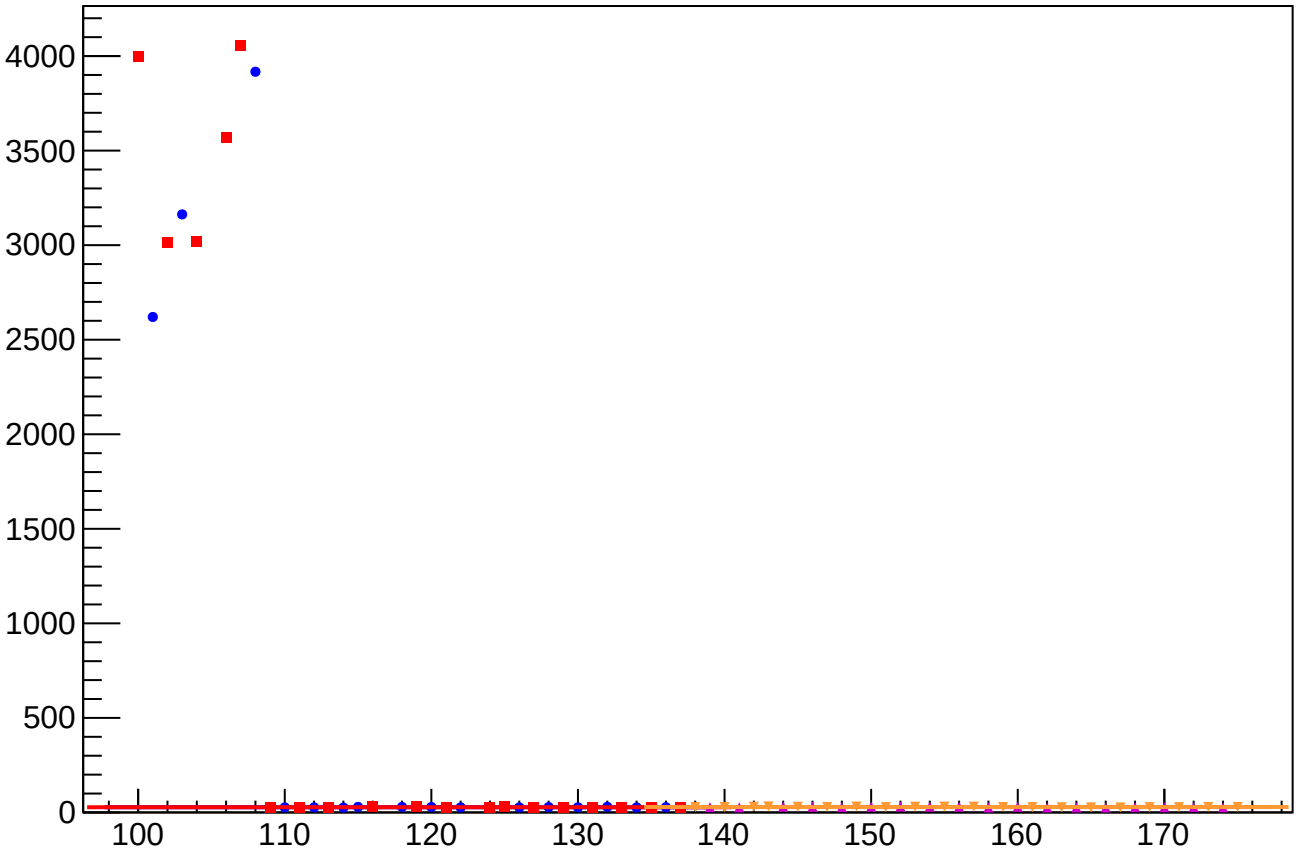
Left: -4.149+/-5.189 χ^2/NDF: 38.8/37

Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 6.373+/-6.280 χ^2/NDF:33.7/33

Out: -4.400+/-6.168 χ^2/NDF:48.0/38

All: 0.890+/-4.400 χ^2/NDF: 83.2/72



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.731+/-0.005 χ^2/NDF:82369.4/19

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.618+/-0.005 χ^2/NDF:114125.1/17

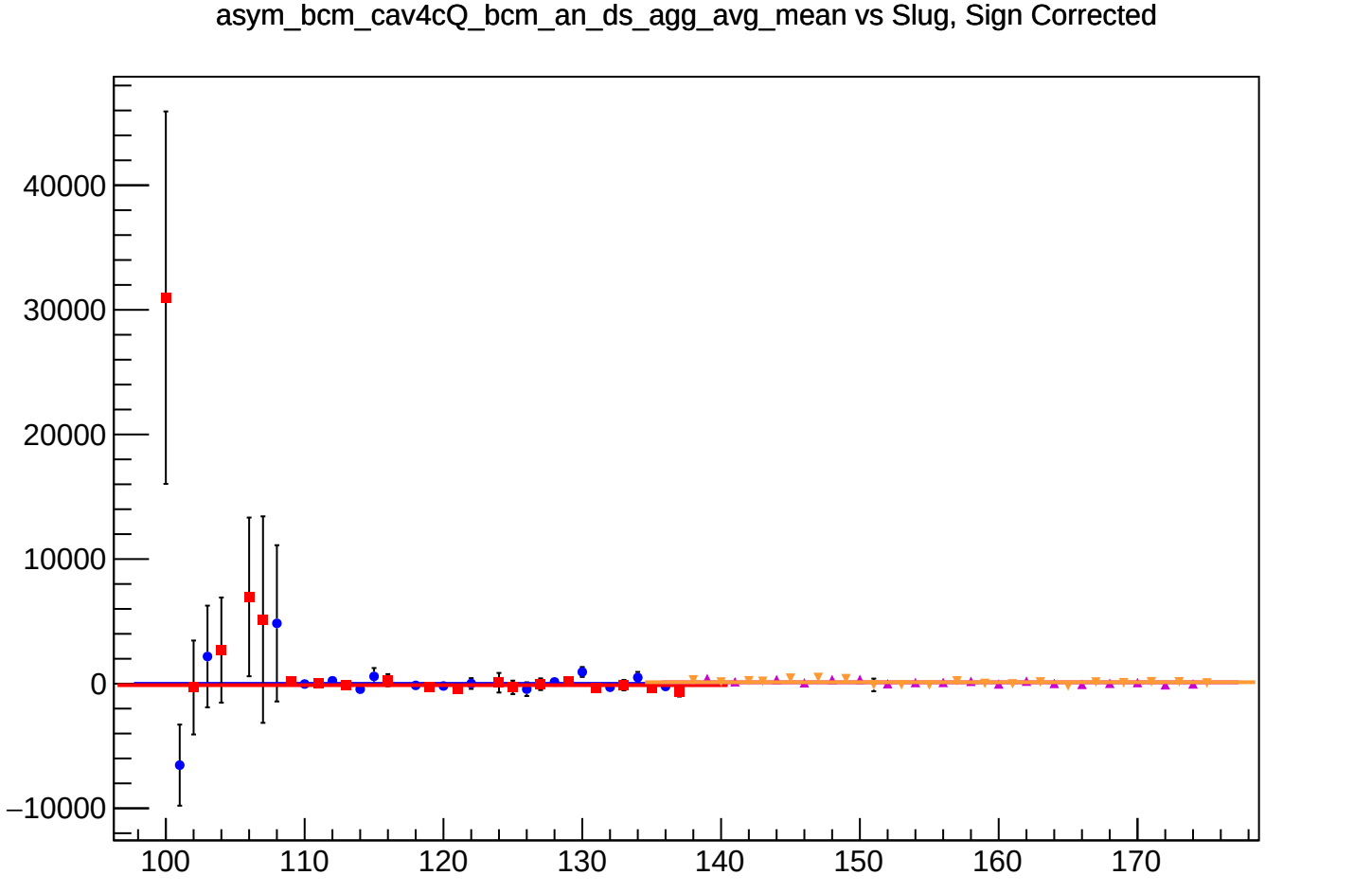
Left: 28.676+/-0.004 χ^2/NDF: 196727.8/37

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.336+/-0.004 χ^2/NDF:3389562.3/33

Out: 28.404+/-0.004 χ^2/NDF:3652520.9/38

All: 28.371+/-0.003 χ^2/NDF: 7042202.0/72



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.096+/-56.151 χ^2/NDF:7.9/19

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 107.924+/-50.689 χ^2/NDF:6.7/17

Left: 112.042+/-37.626 χ^2/NDF: 14.7/37

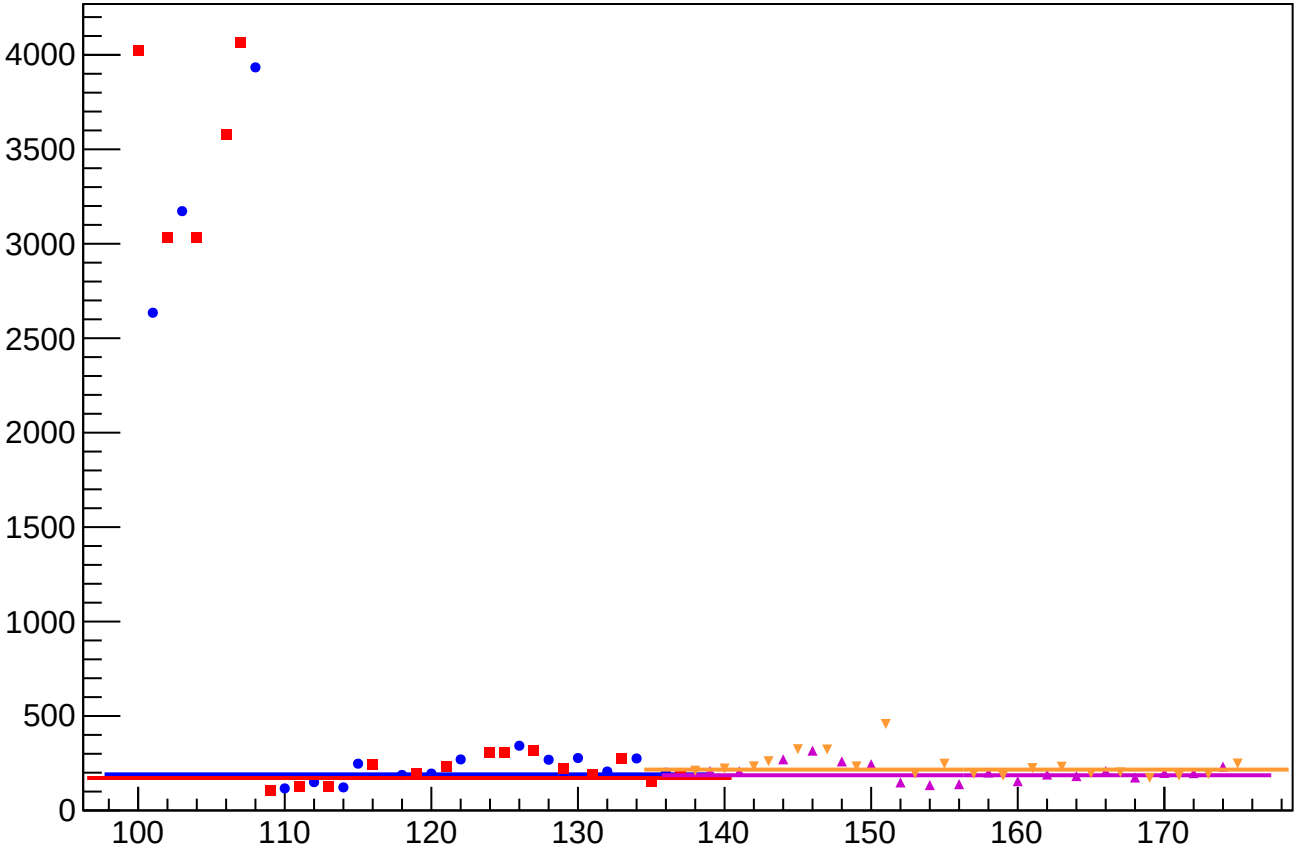
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 75.856+/-43.462 χ^2/NDF:26.6/33

Out: 36.640+/-45.543 χ^2/NDF:28.4/38

All: 57.165+/-31.442 χ^2/NDF: 55.4/72

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 216.340+/-0.040 χ^2/NDF:1214993.0/19

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

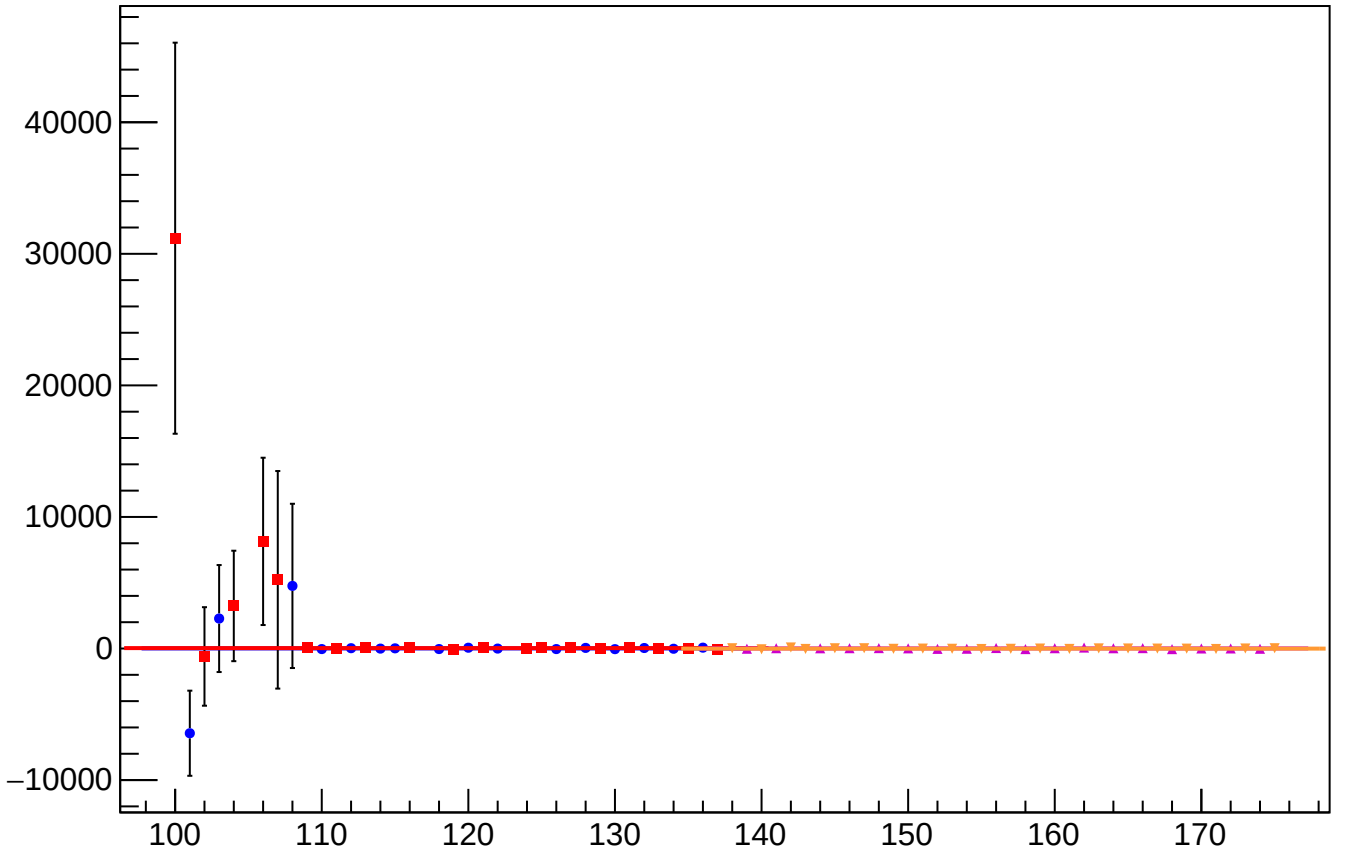
Left: 199.856+/-0.027 χ^2/NDF: 2932622.8/37

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.654+/-0.031 χ^2/NDF:5243220.7/33

Out: 201.113+/-0.032 χ^2/NDF:5959578.1/38

All: 194.069+/-0.022 χ^2/NDF: 11294220.0/72



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.114+/-7.281 χ^2/NDF:13.0/19

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 6.679+/-7.487 χ^2/NDF:16.7/17

Left: -0.924+/-5.220 χ^2/NDF: 31.7/37

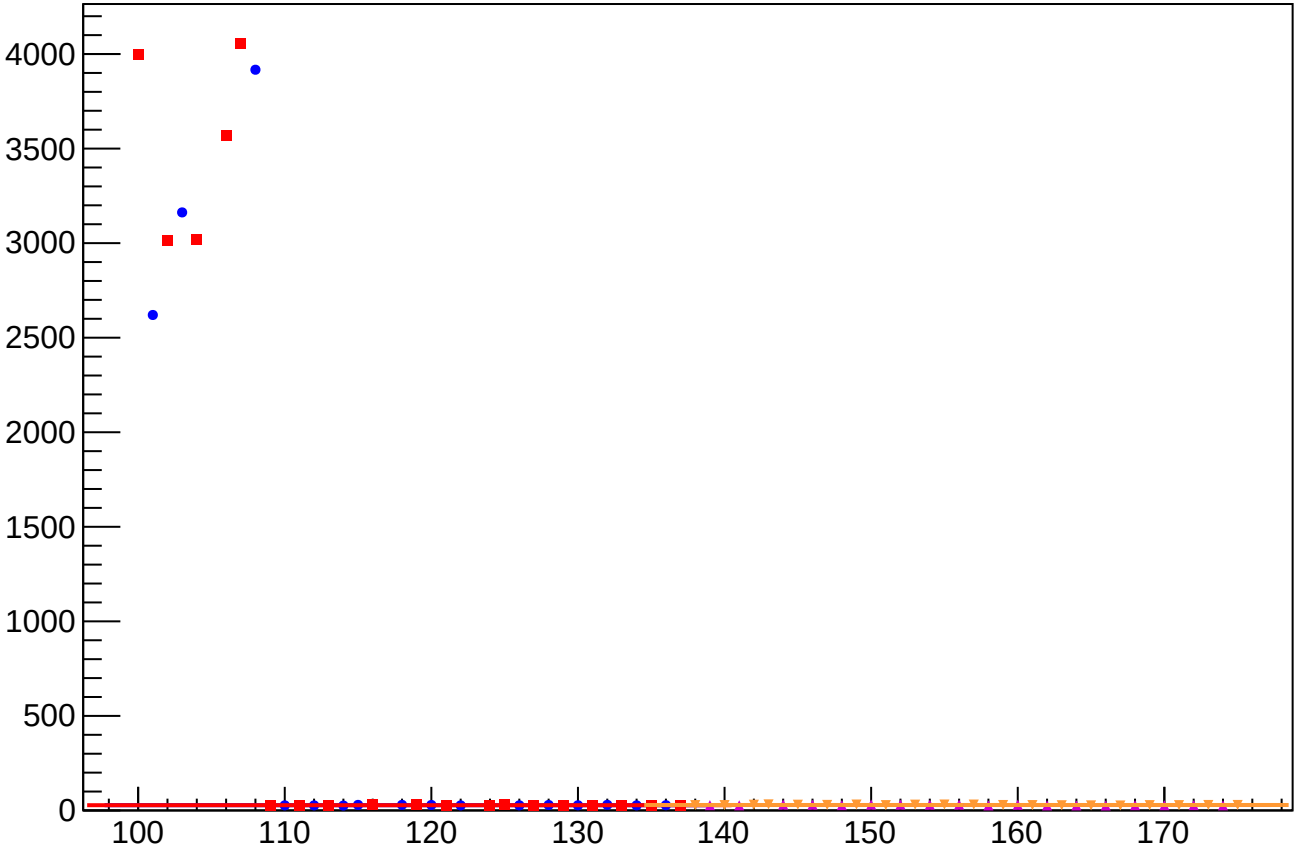
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.625+/-6.316 χ^2/NDF:35.0/33

Out: 2.527+/-6.211 χ^2/NDF:40.7/38

All: 4.541+/-4.428 χ^2/NDF: 76.0/72

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.913+/-0.005 χ^2/NDF:88561.6/19

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

Left: 28.846+/-0.004 χ^2/NDF: 205929.2/37

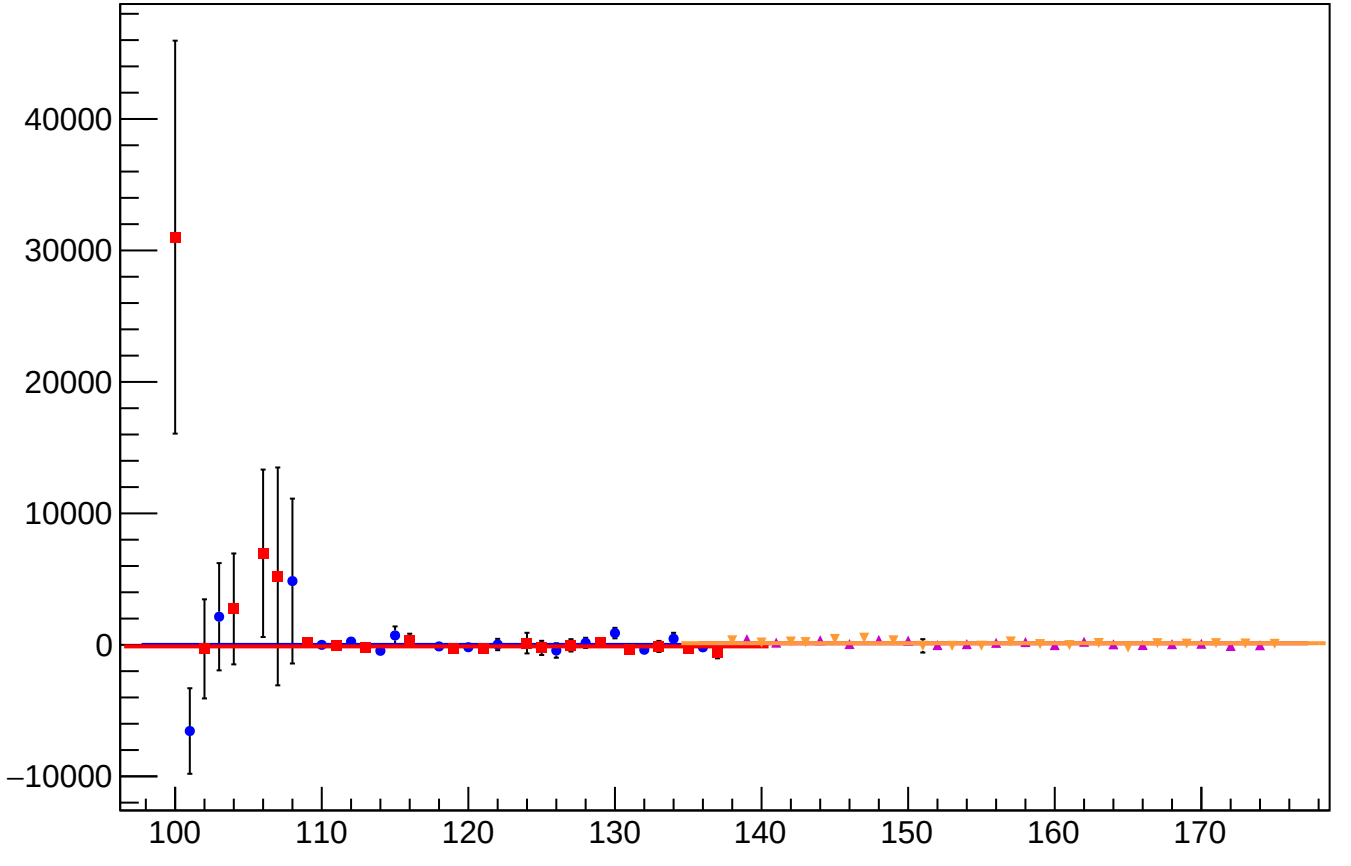
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.500+/-0.004 χ^2/NDF:3392170.7/33

Out: 28.598+/-0.004 χ^2/NDF:3661061.9/38

All: 28.550+/-0.003 χ^2/NDF: 7053473.7/72

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 126.013+/-56.714 χ^2/NDF:7.8/19

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 117.344+/-51.293 χ^2/NDF:7.2/17

Left: 121.245+/-38.042 χ^2/NDF: 15.1/37

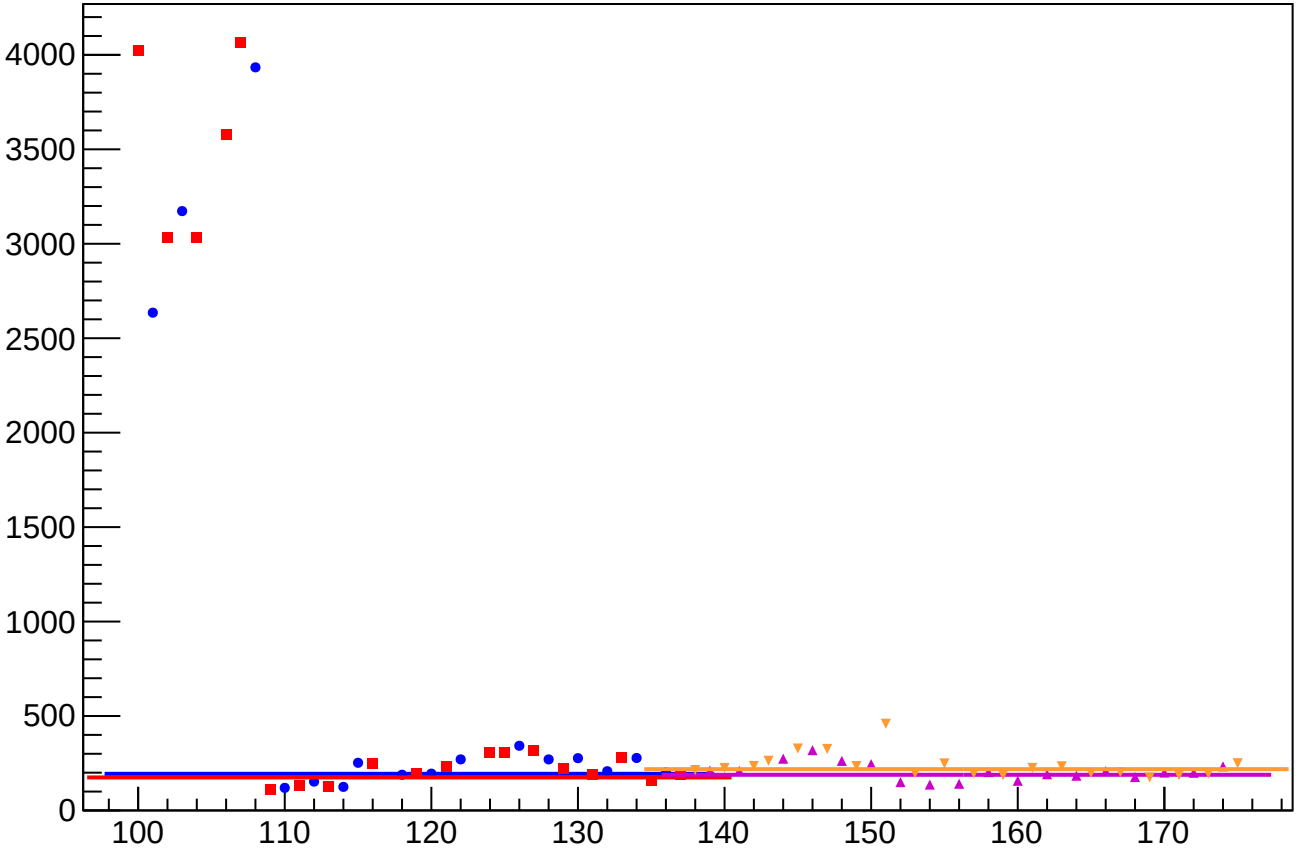
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 85.553+/-43.986 χ^2/NDF:26.9/33

Out: 43.724+/-46.062 χ^2/NDF:27.8/38

All: 65.602+/-31.811 χ^2/NDF: 55.2/72

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 218.615+/-0.040 χ^2/NDF:1200609.3/19

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.812+/-0.036 χ^2/NDF:1372950.2/17

Left: 202.221+/-0.027 χ^2/NDF: 2877360.6/37

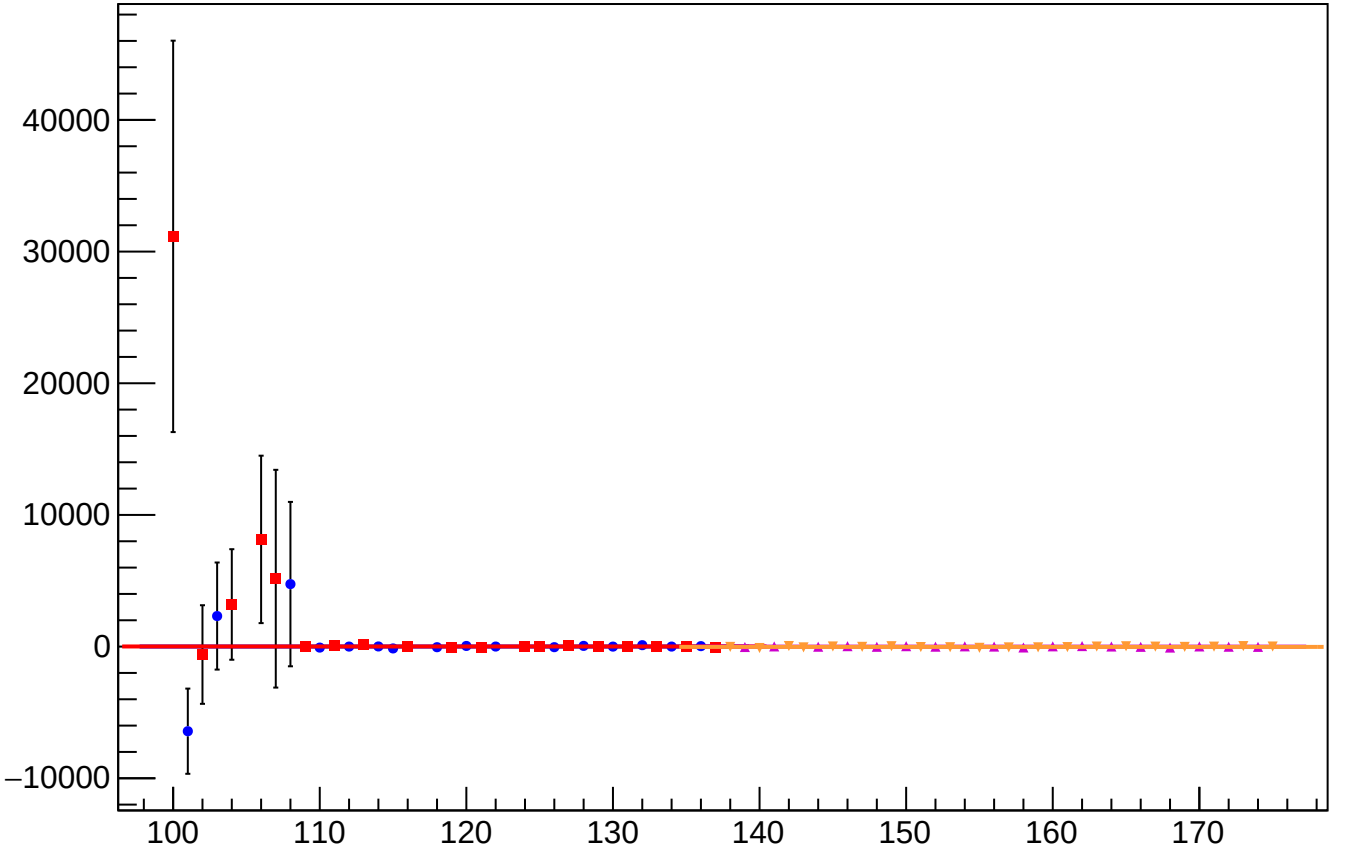
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 190.170+/-0.031 χ^2/NDF:5162721.3/33

Out: 203.695+/-0.033 χ^2/NDF:5866609.0/38

All: 196.621+/-0.022 χ^2/NDF: 11119511.6/72

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -22.963+/-8.690 χ^2/NDF:20.4/19

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -3.372+/-8.956 χ^2/NDF:12.1/17

Left: -13.463+/-6.237 χ^2/NDF: 35.0/37

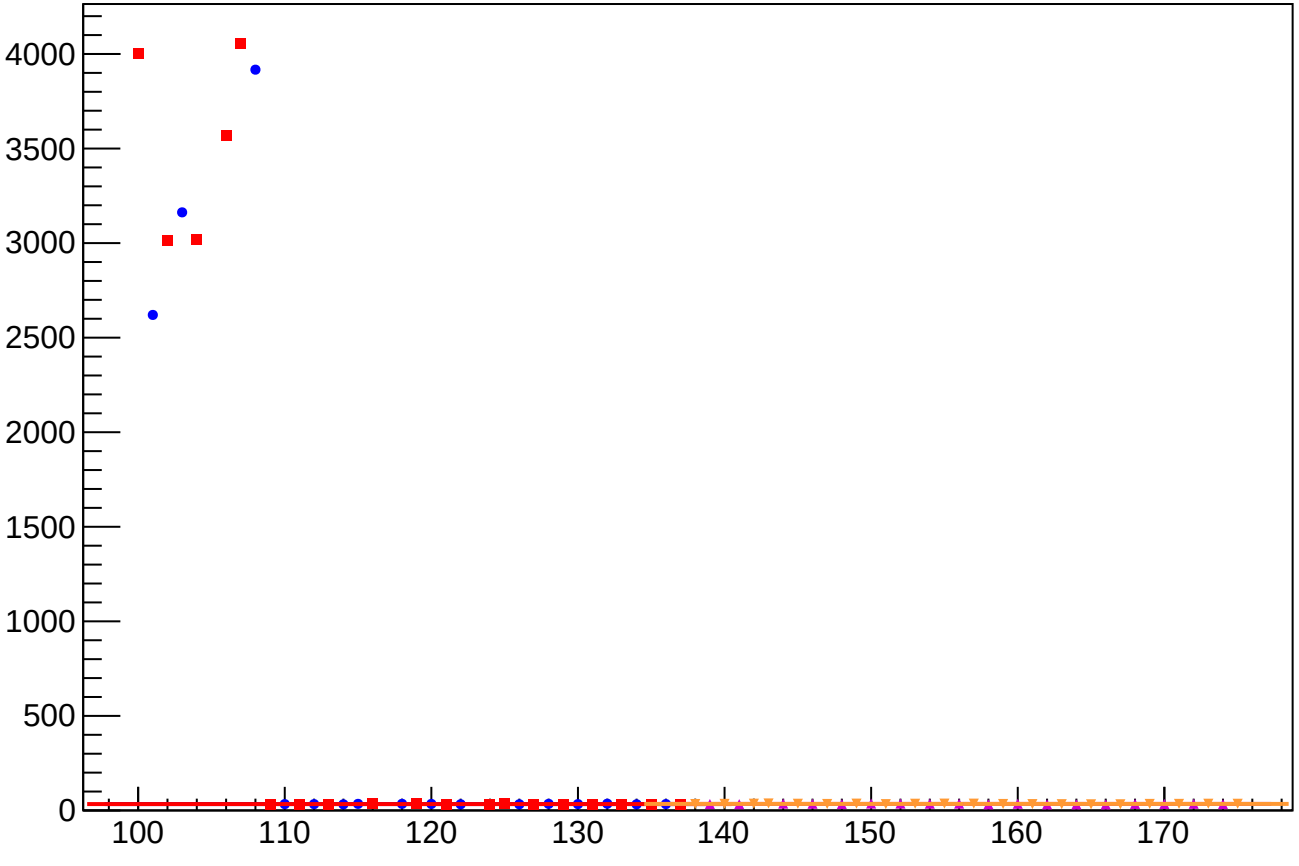
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.829+/-7.591 χ^2/NDF:29.8/33

Out: -14.191+/-7.445 χ^2/NDF:47.7/38

All: -7.640+/-5.315 χ^2/NDF: 79.1/72

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.567+/-0.006 χ^2/NDF:38711.7/19

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.485+/-0.006 χ^2/NDF:50688.0/17

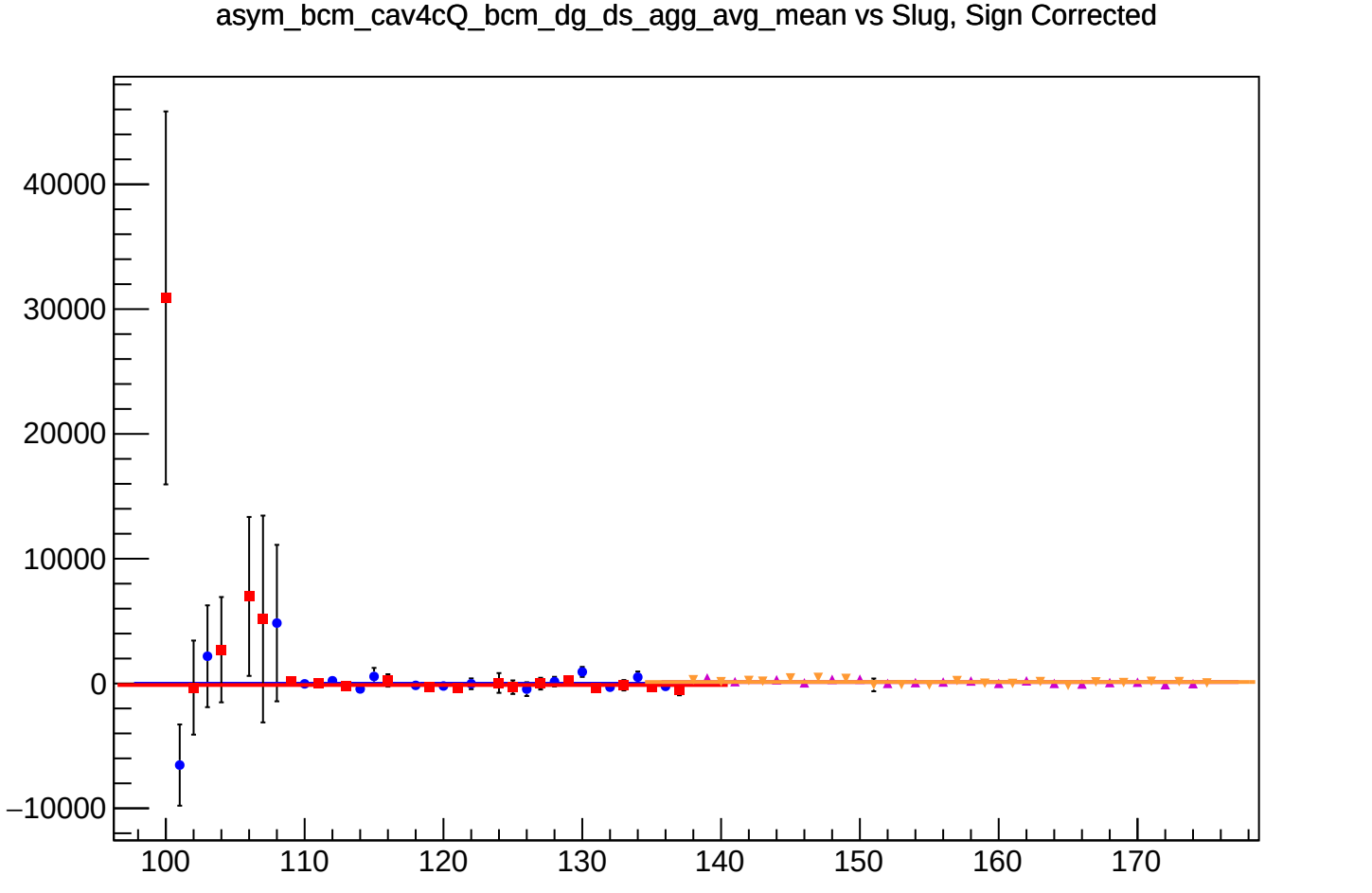
Left: 34.527+/-0.004 χ^2/NDF: 89485.7/37

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.320+/-0.005 χ^2/NDF:3297477.8/33

Out: 34.343+/-0.005 χ^2/NDF:3570157.0/38

All: 34.332+/-0.004 χ^2/NDF: 6867644.2/72



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.528+/-56.609 χ^2/NDF:7.7/19

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 116.861+/-51.171 χ^2/NDF:6.6/17

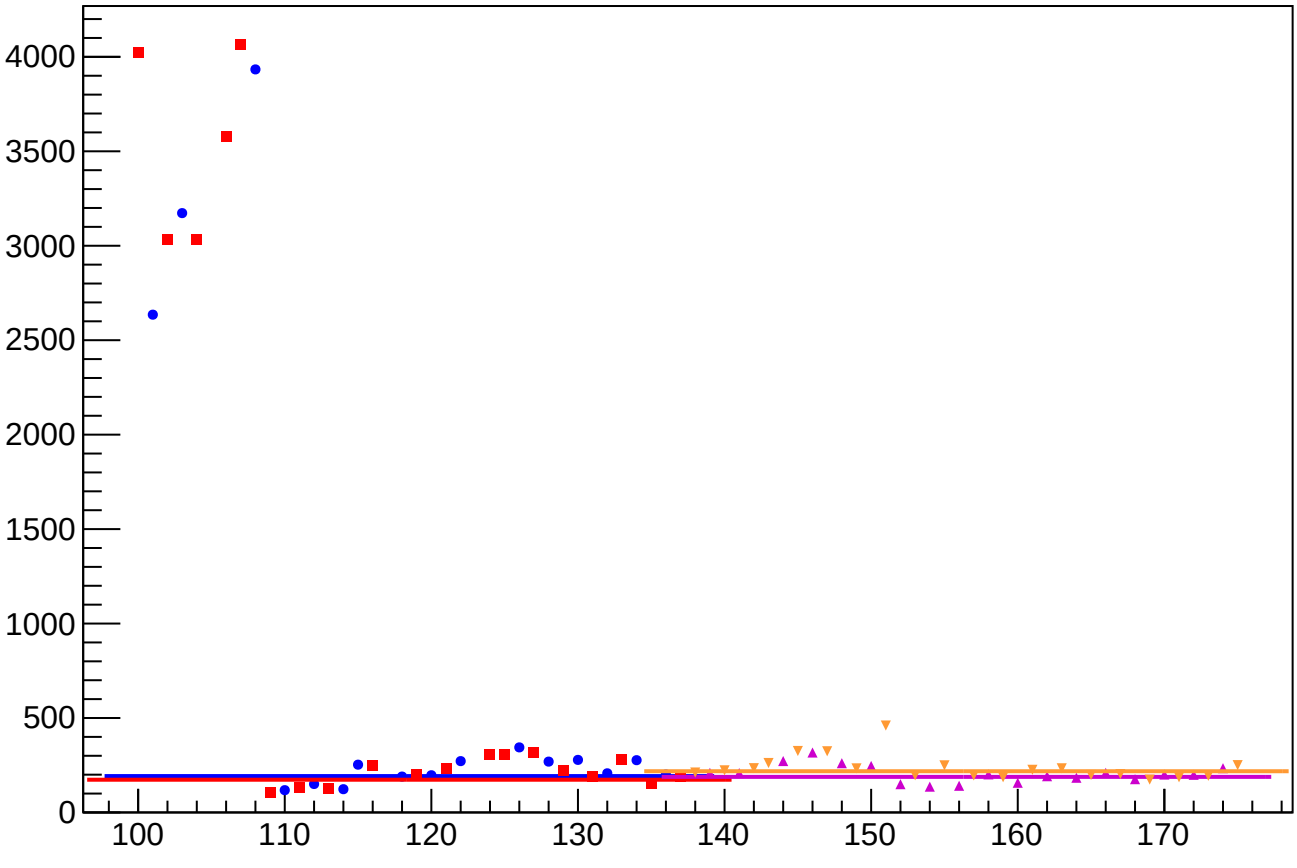
Left: 118.510+/-37.961 χ^2/NDF: 14.3/37

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 80.621+/-43.848 χ^2/NDF:26.6/33

Out: 38.203+/-45.907 χ^2/NDF:27.2/38

All: 60.384+/-31.708 χ^2/NDF: 54.2/72



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.204+/-0.040 χ^2/NDF:1195814.0/19

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

Left: 201.775+/-0.027 χ^2/NDF: 2866063.3/37

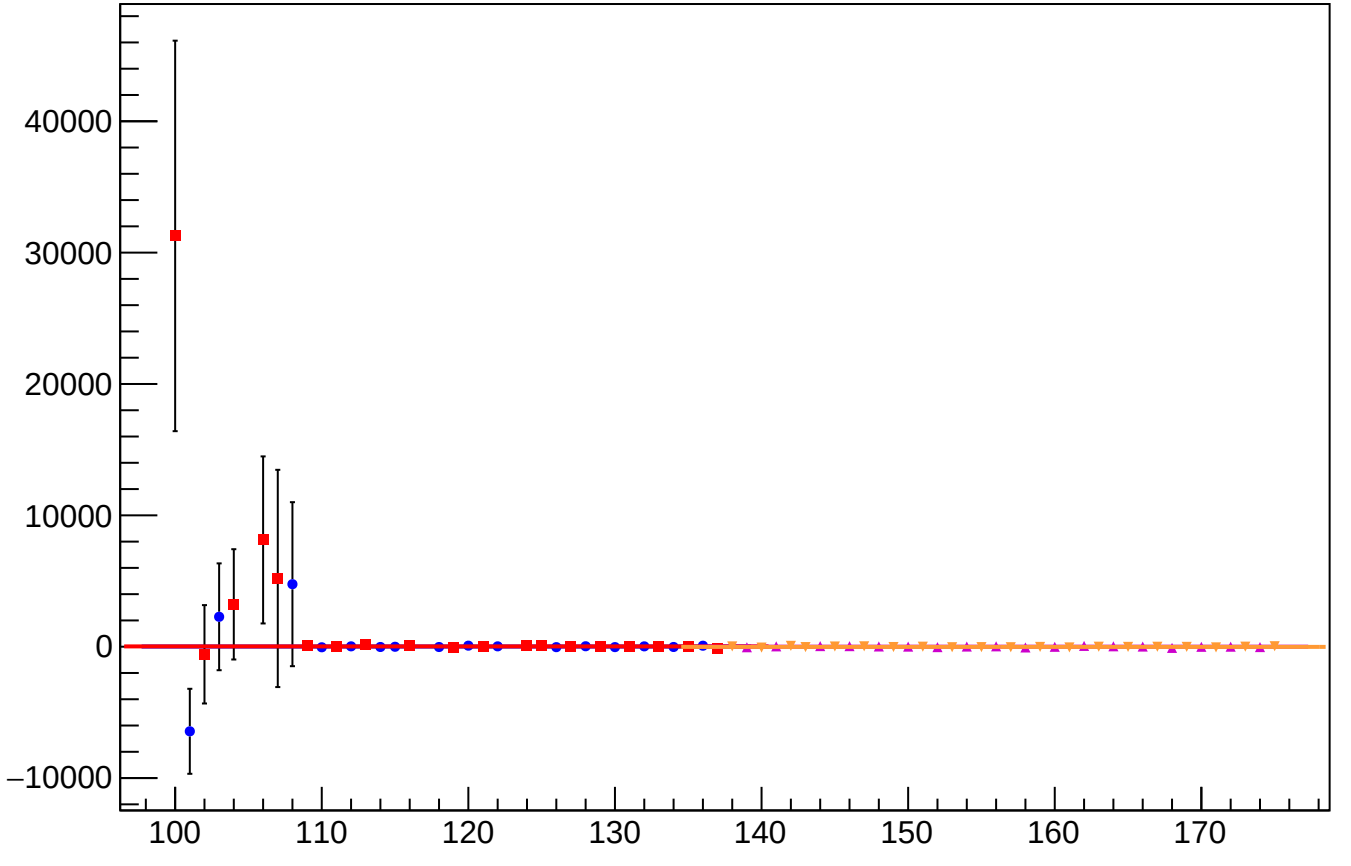
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.470+/-0.031 χ^2/NDF:5190534.2/33

Out: 202.813+/-0.032 χ^2/NDF:5935082.9/38

All: 195.835+/-0.022 χ^2/NDF: 11213970.2/72

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.572+/-7.872 χ^2/NDF:15.1/19

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 1.206+/-8.119 χ^2/NDF:23.3/17

Left: -6.411+/-5.651 χ^2/NDF: 40.1/37

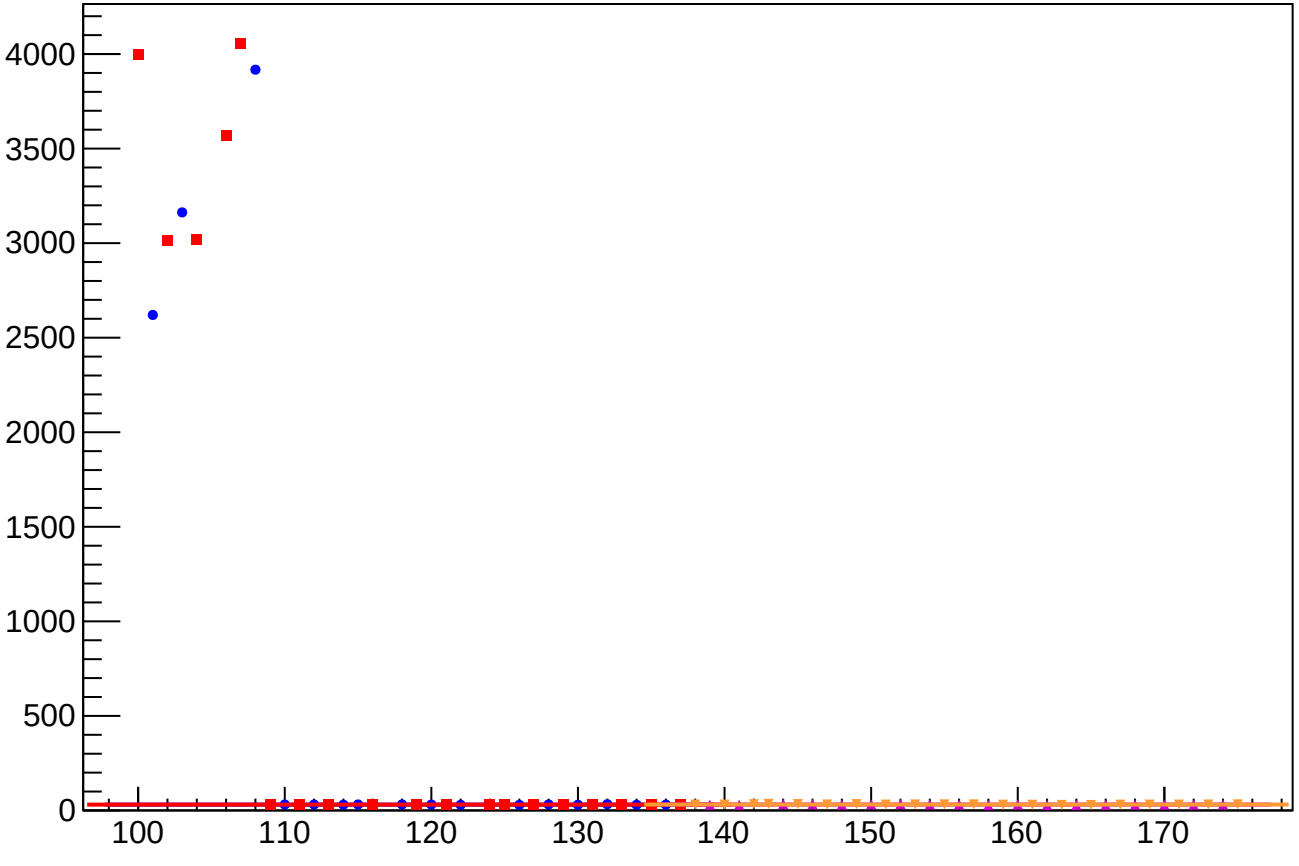
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 4.692+/-6.895 χ^2/NDF:39.4/33

Out: -3.897+/-6.758 χ^2/NDF:49.6/38

All: 0.311+/-4.827 χ^2/NDF: 89.7/72

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.285+/-0.006 χ^2/NDF:59456.2/19

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

Left: 31.255+/-0.004 χ^2/NDF: 137915.1/37

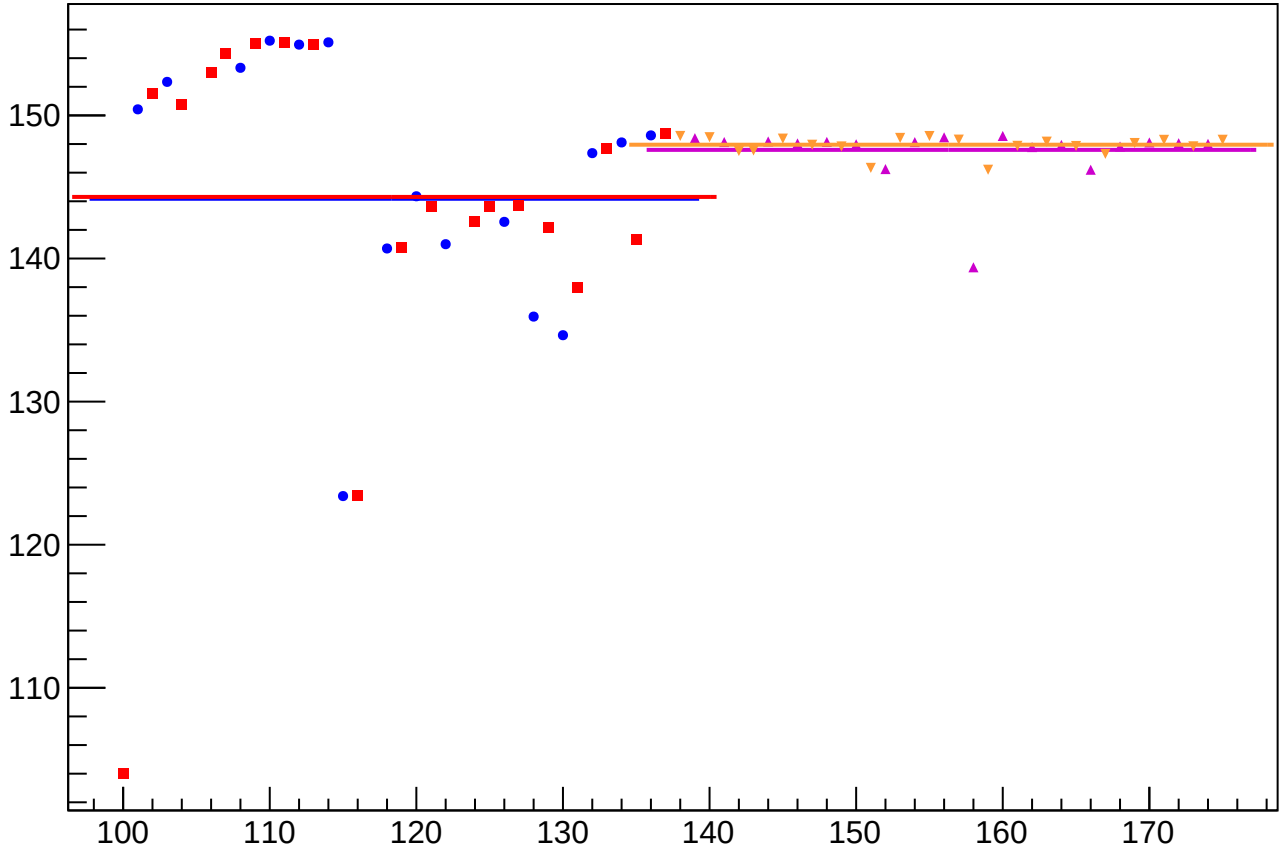
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.142+/-0.005 χ^2/NDF:3331746.5/33

Out: 31.152+/-0.005 χ^2/NDF:3597882.2/38

All: 31.147+/-0.003 χ^2/NDF: 6929630.8/72

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

Left: 147.782+/-0.000 χ^2/NDF: 330396061.4/37

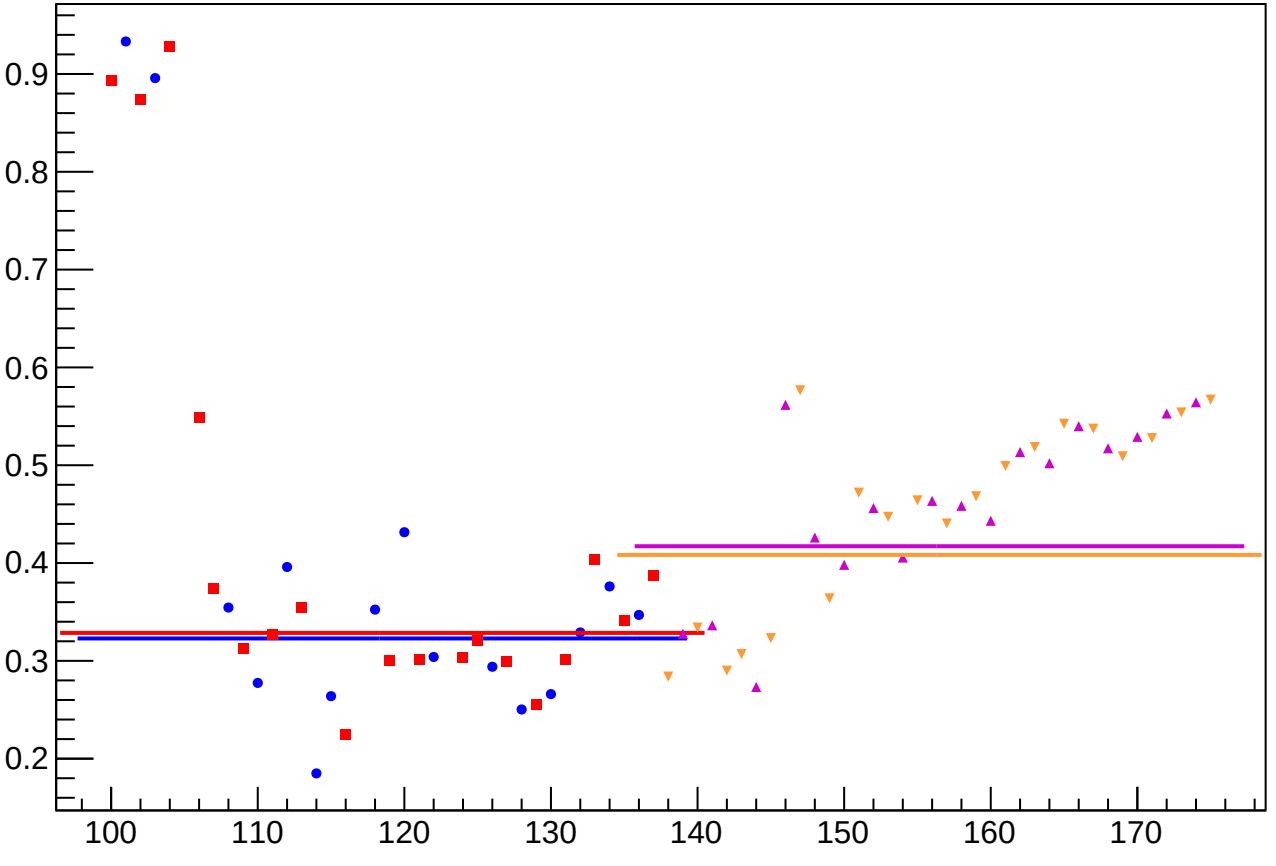
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.154+/-0.000 χ^2/NDF:4400765174.3/33

Out: 146.513+/-0.000 χ^2/NDF:4754173312.6/38

All: 146.339+/-0.000 χ^2/NDF: 9163944979.4

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

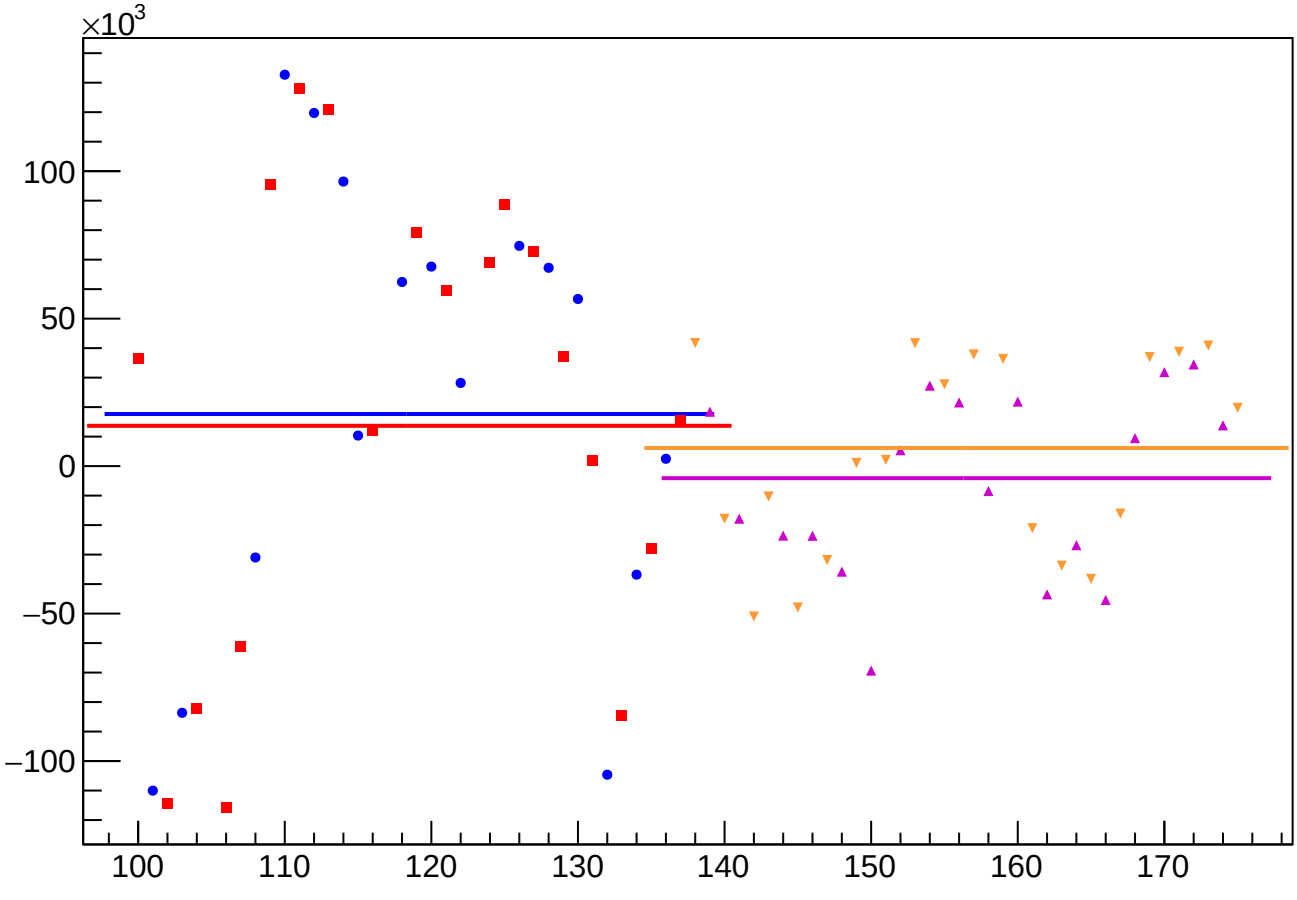
Left: 0.413+/-0.000 χ^2/NDF: 3074931.8/37

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.377+/-0.000 χ^2/NDF:3340902.8/33

Out: 0.377+/-0.000 χ^2/NDF:3449979.9/38

All: 0.377+/-0.000 χ^2/NDF: 6790936.1/72



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 6149.890+/-1.218 χ^2/NDF:675272590.3/19

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -4088.006+/-1.258 χ^2/NDF:580707785.5/17

Left: 1196.098+/-0.875 χ^2/NDF: 1290163783.6/37

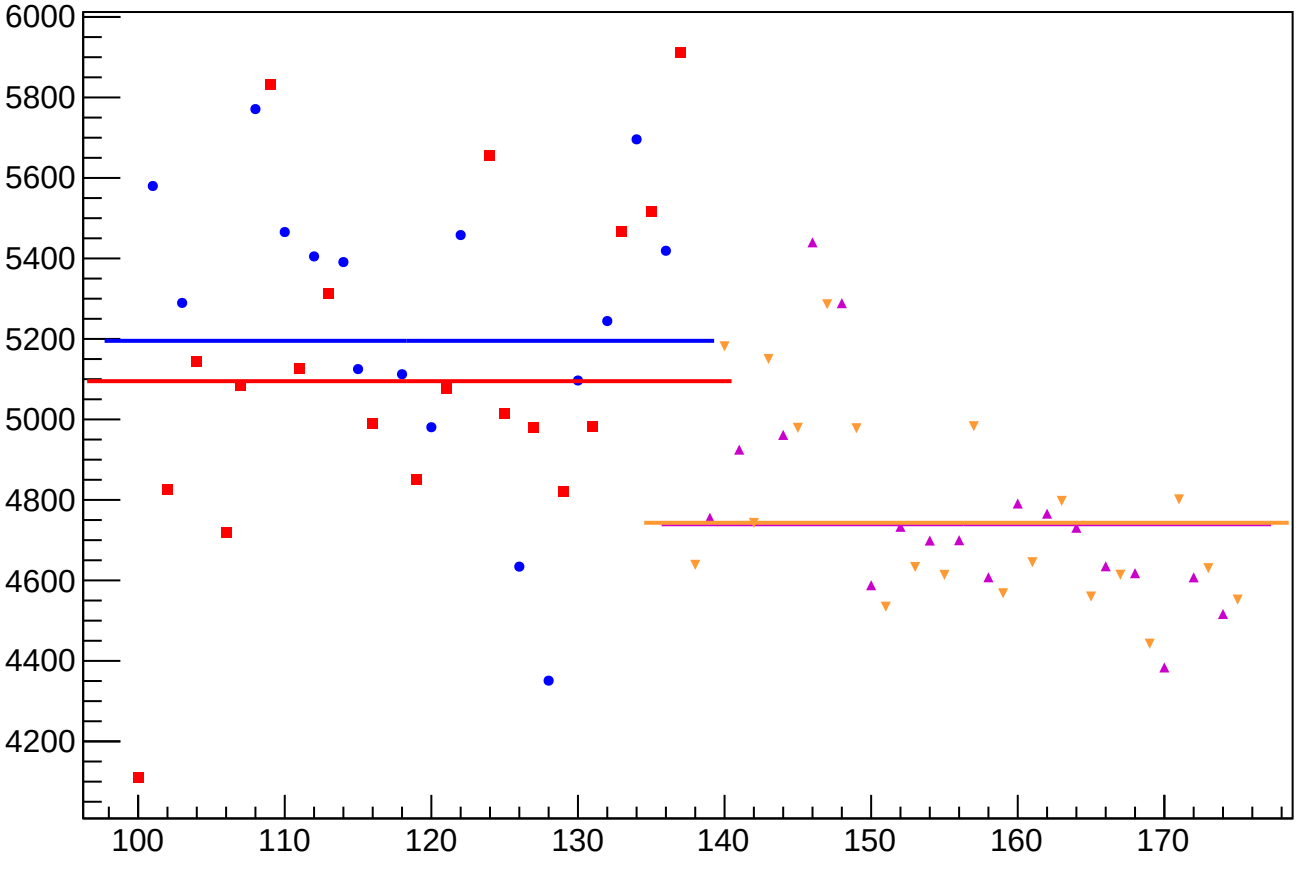
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 2053.972+/-1.066 χ^2/NDF:2063864800.7/33

Out: 8299.027+/-1.029 χ^2/NDF:2543123305.9/38

All: 5284.997+/-0.740 χ^2/NDF: 4624754822.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4743.191+/-0.861 χ^2/NDF:71167.9/19

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.512+/-0.890 χ^2/NDF:70213.1/17

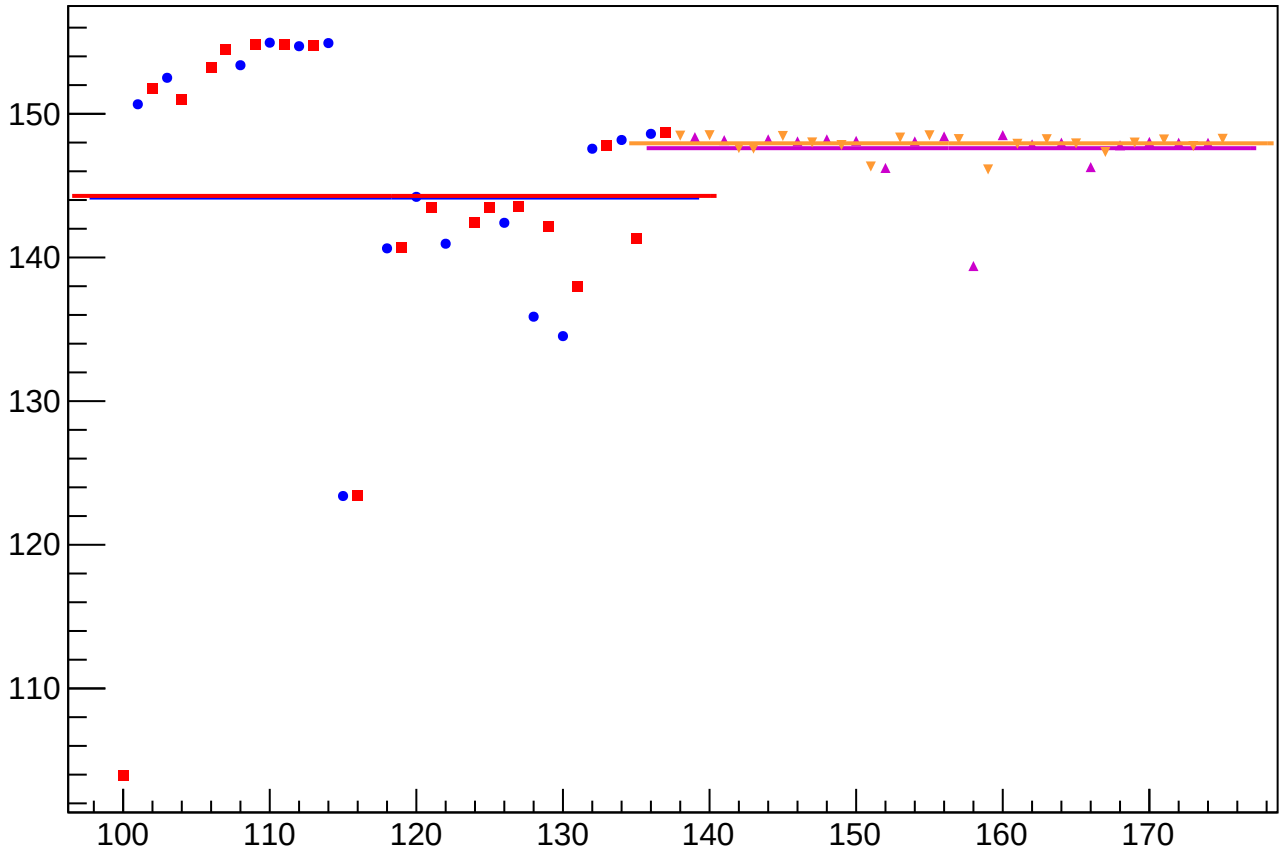
Left: 4741.411+/-0.619 χ^2/NDF: 141389.9/37

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4868.211+/-0.754 χ^2/NDF:221510.2/33

Out: 4843.796+/-0.728 χ^2/NDF:177997.7/38

All: 4855.579+/-0.524 χ^2/NDF: 400051.0/72



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.948+/-0.000 χ^2/NDF:34366586.3/19

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.608+/-0.000 χ^2/NDF:290718798.9/17

Left: 147.787+/-0.000 χ^2/NDF: 329890003.4/37

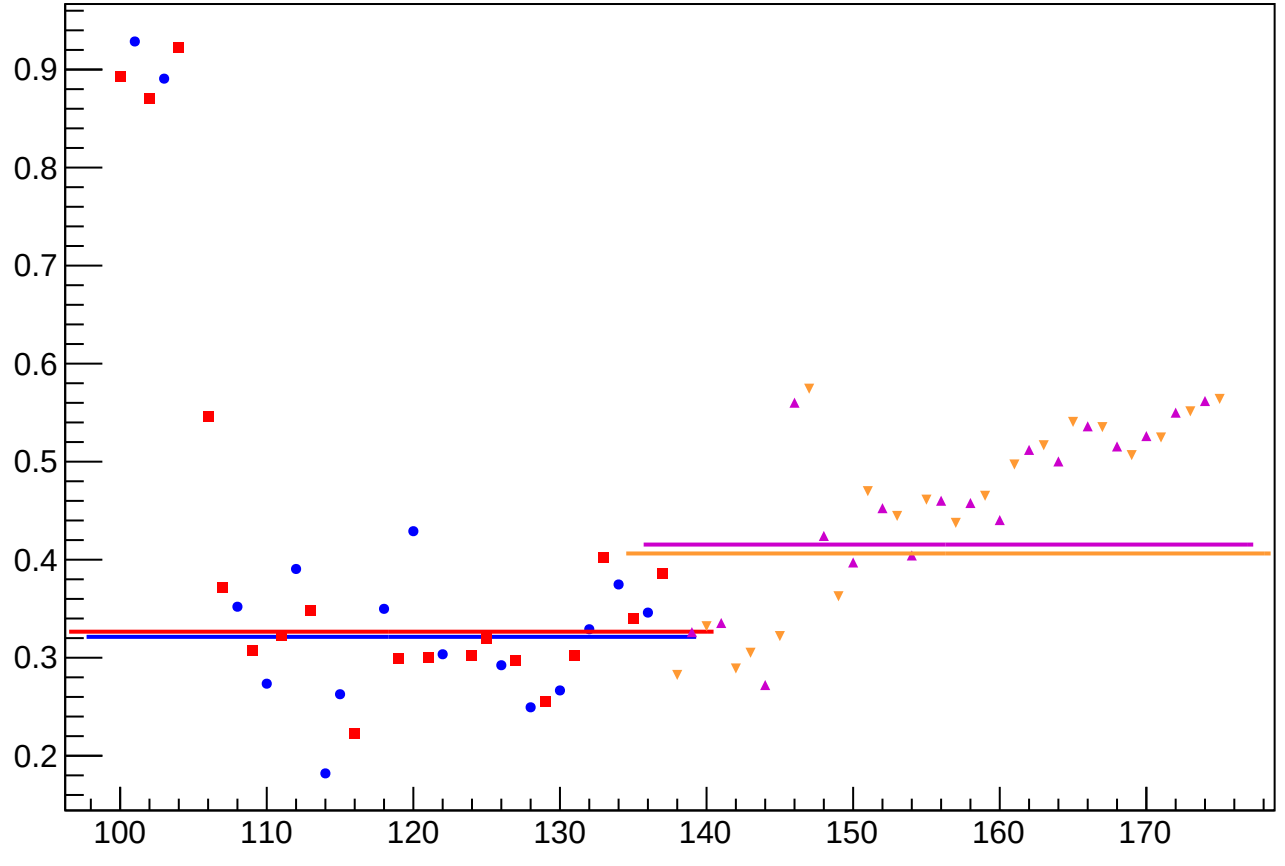
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.160+/-0.000 χ^2/NDF:4449368567.5/33

Out: 146.502+/-0.000 χ^2/NDF:4788067699.0/38

All: 146.335+/-0.000 χ^2/NDF: 9245644822.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.406+/-0.000 χ^2/NDF:1710918.2/19

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.415+/-0.000 χ^2/NDF:1353852.2/17

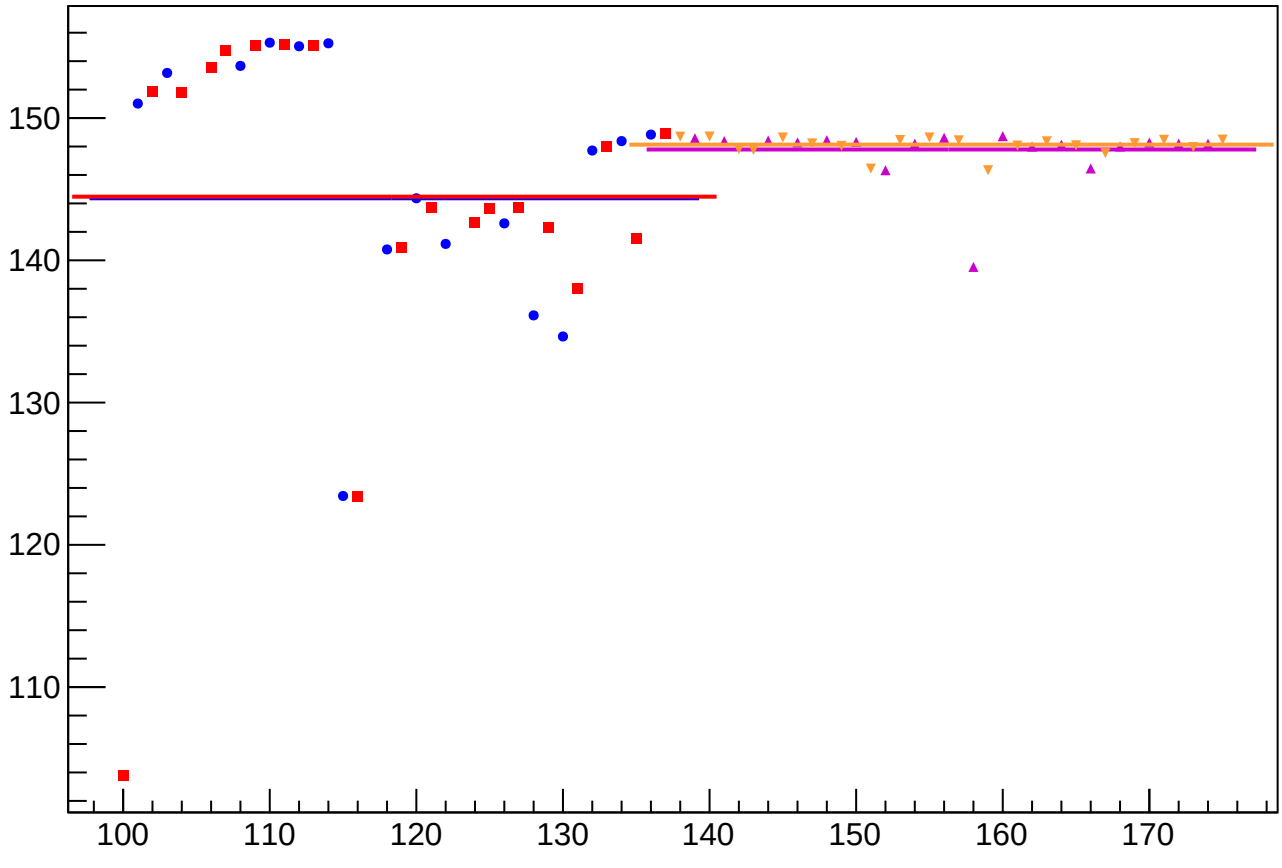
Left: 0.411+/-0.000 χ^2/NDF: 3071634.5/37

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.376+/-0.000 χ^2/NDF:3341168.4/33

Out: 0.375+/-0.000 χ^2/NDF:3453672.7/38

All: 0.375+/-0.000 χ^2/NDF: 6794963.2/72



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.133+/-0.000 χ^2/NDF:34531843.3/19

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.790+/-0.000 χ^2/NDF:295255185.2/17

Left: 147.970+/-0.000 χ^2/NDF: 334649762.5/37

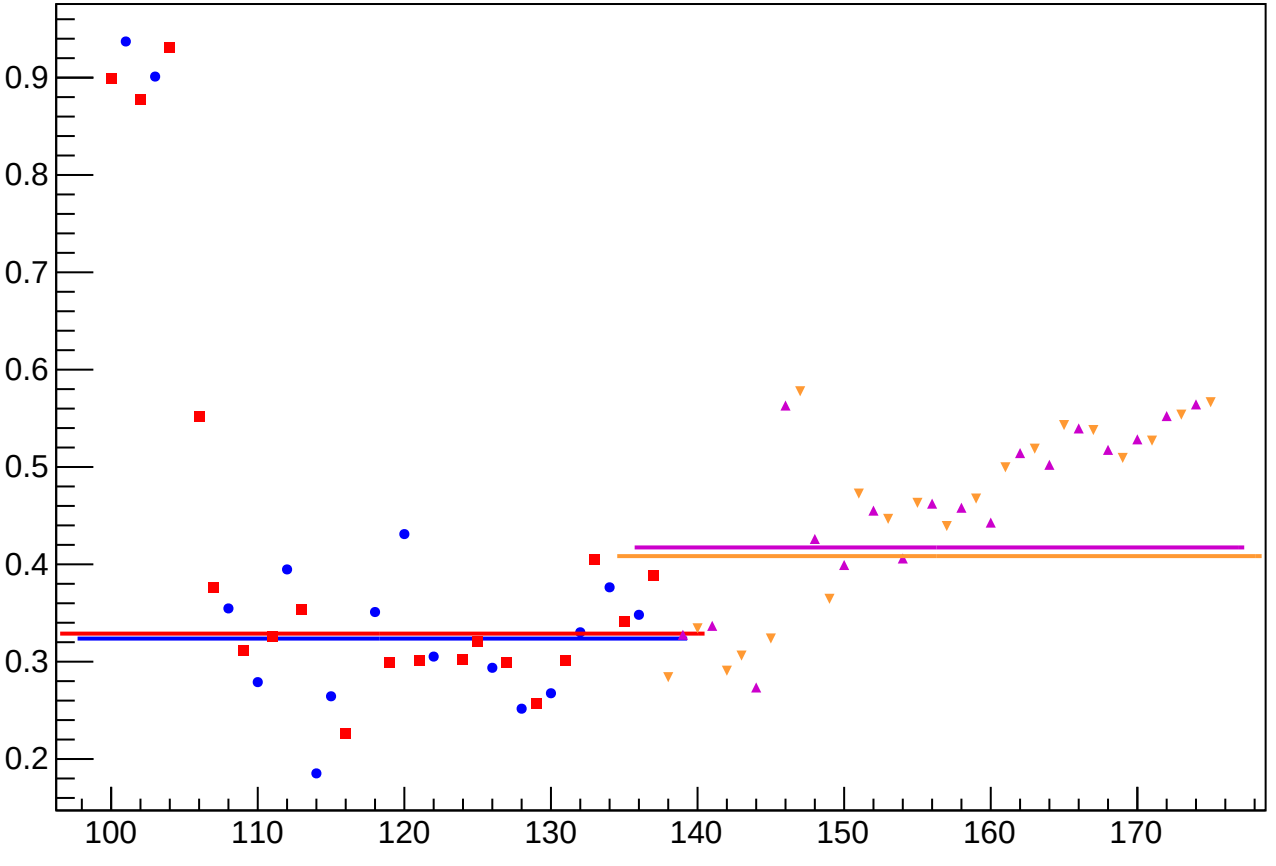
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.349+/-0.000 χ^2/NDF:4441163412.8/33

Out: 146.691+/-0.000 χ^2/NDF:4773577641.7/38

All: 146.525+/-0.000 χ^2/NDF: 9222870578.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.408+/-0.000 χ^2/NDF:1707441.1/19

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.417+/-0.000 χ^2/NDF:1352478.4/17

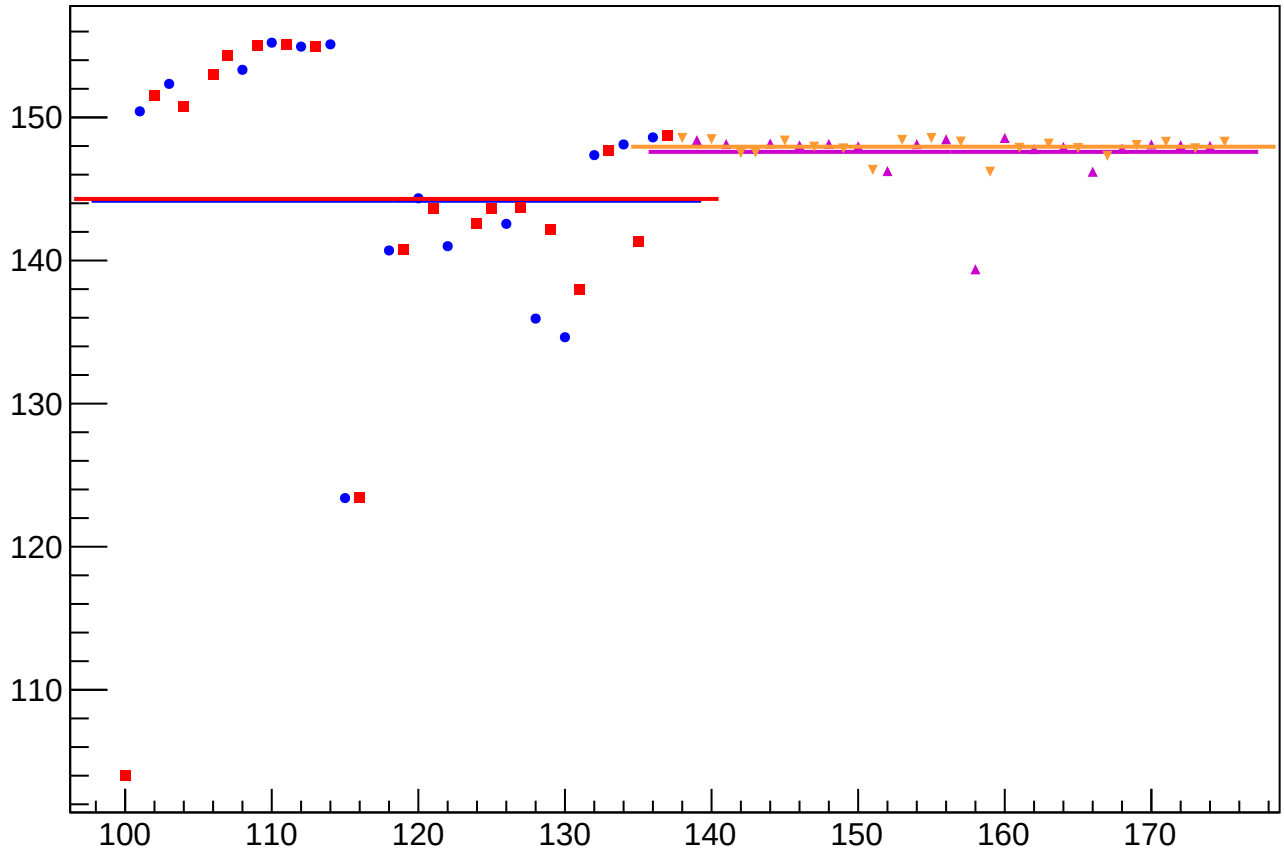
Left: 0.413+/-0.000 χ^2/NDF: 3066460.1/37

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.378+/-0.000 χ^2/NDF:3322492.6/33

Out: 0.377+/-0.000 χ^2/NDF:3443506.6/38

All: 0.378+/-0.000 χ^2/NDF: 6766126.9/72



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

Left: 147.782+/-0.000 χ^2/NDF: 330396061.4/37

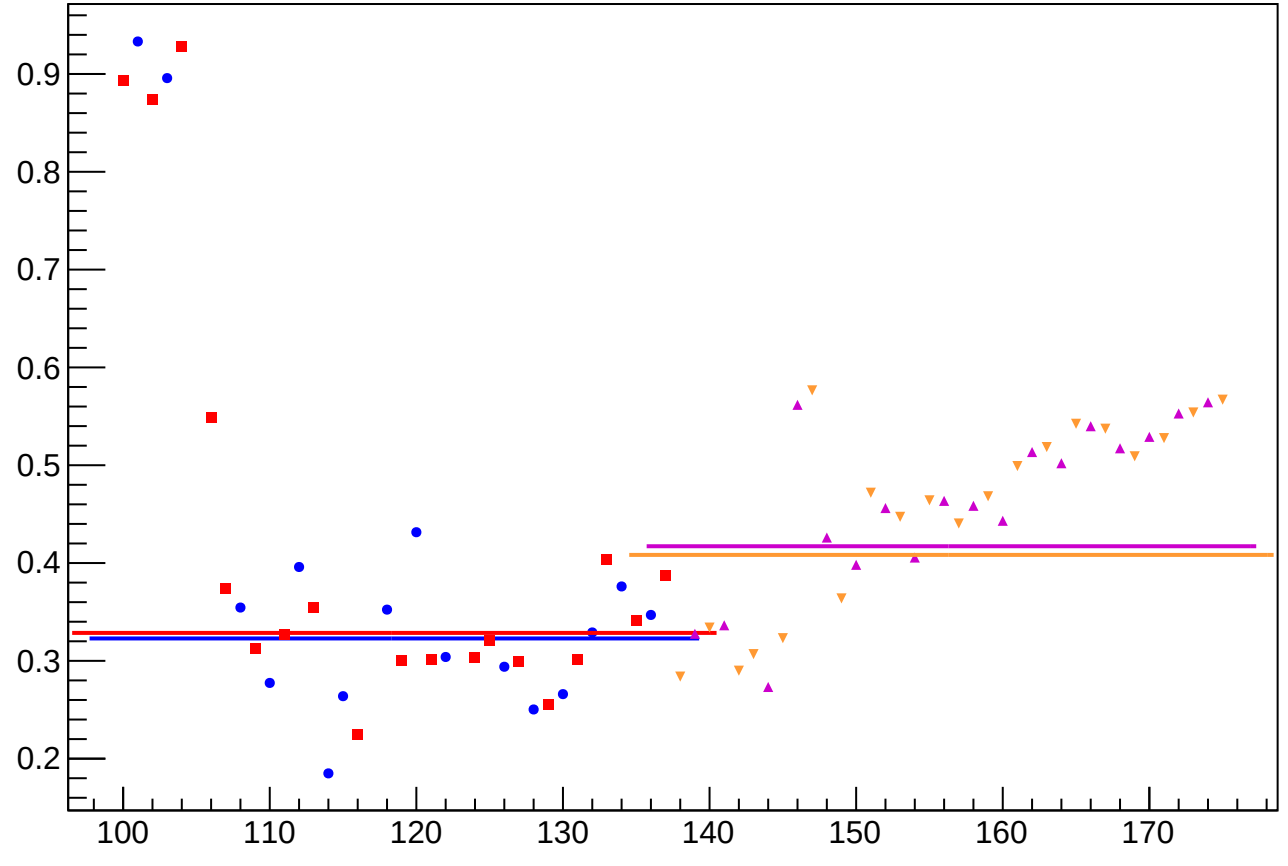
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.154+/-0.000 χ^2/NDF:4400765174.3/33

Out: 146.513+/-0.000 χ^2/NDF:4754173312.6/38

All: 146.339+/-0.000 χ^2/NDF: 9163944979.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

Left: 0.413+/-0.000 χ^2/NDF: 3074931.8/37

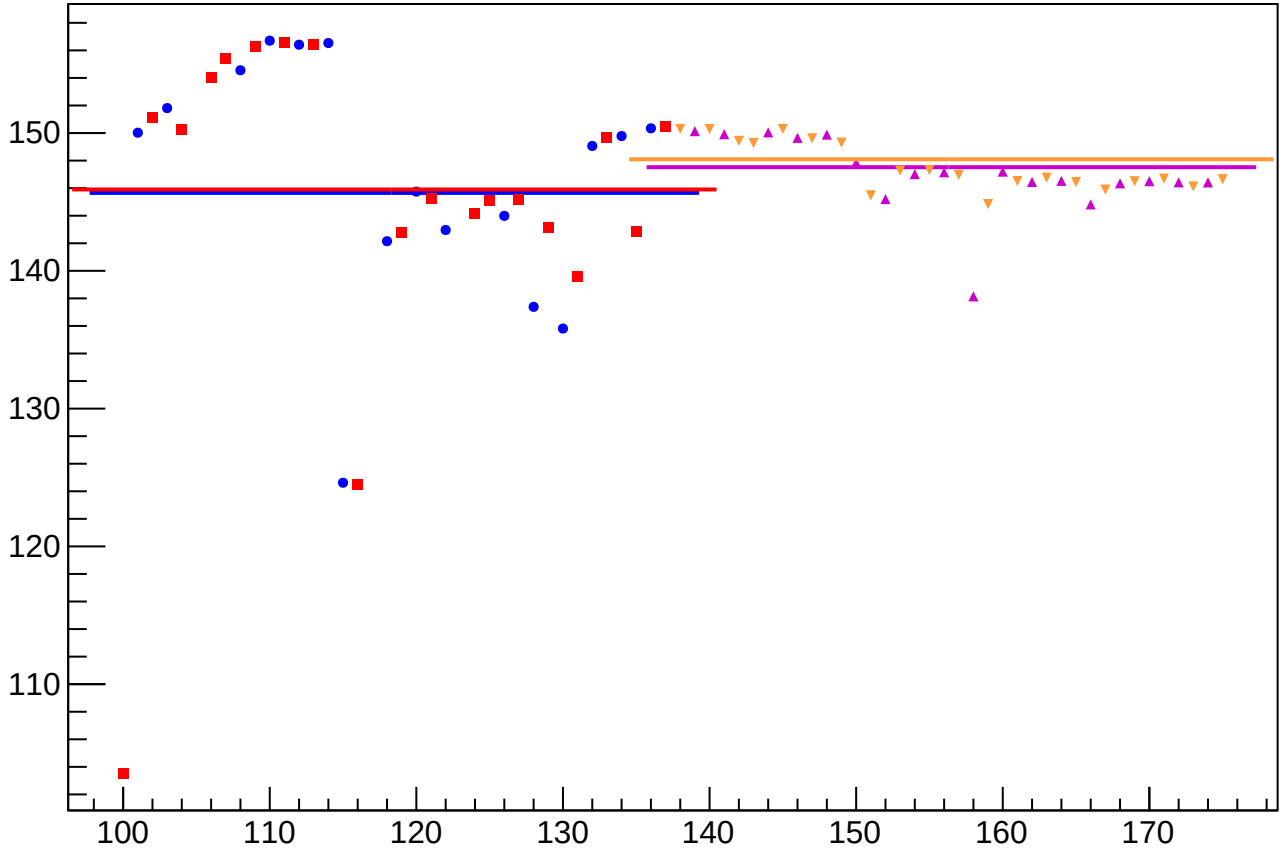
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.377+/-0.000 χ^2/NDF:3340902.8/33

Out: 0.377+/-0.000 χ^2/NDF:3449979.9/38

All: 0.377+/-0.000 χ^2/NDF: 6790936.1/72

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.094+/-0.000 χ^2/NDF:264195933.0/19

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.521+/-0.000 χ^2/NDF:562311194.6/17

Left: 147.820+/-0.000 χ^2/NDF: 839187118.7/37

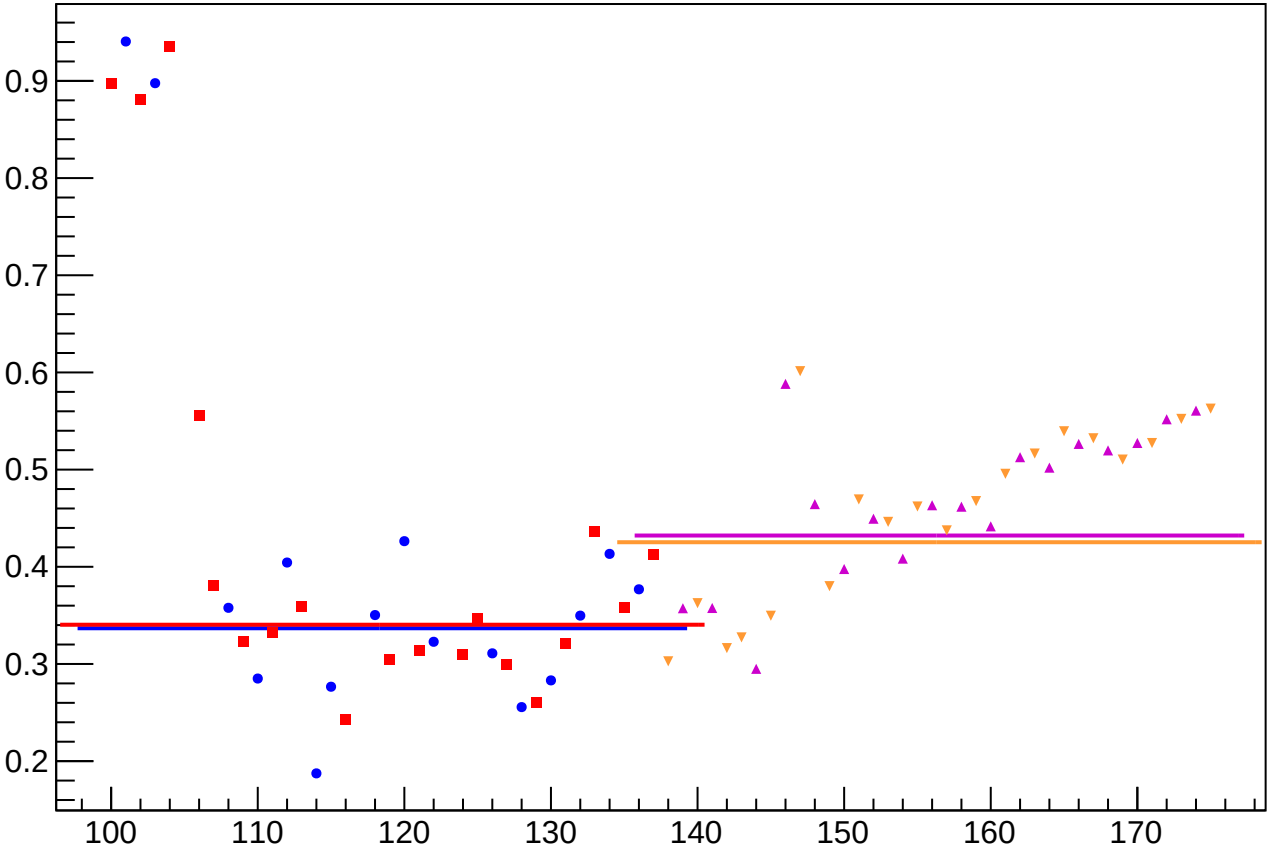
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.747+/-0.000 χ^2/NDF:4150407553.0/33

Out: 147.231+/-0.000 χ^2/NDF:4279895399.1/38

All: 146.996+/-0.000 χ^2/NDF: 8445480430.9

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:1279543.8/19

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.432+/-0.000 χ^2/NDF:1040420.5/17

Left: 0.429+/-0.000 χ^2/NDF: 2323634.9/37

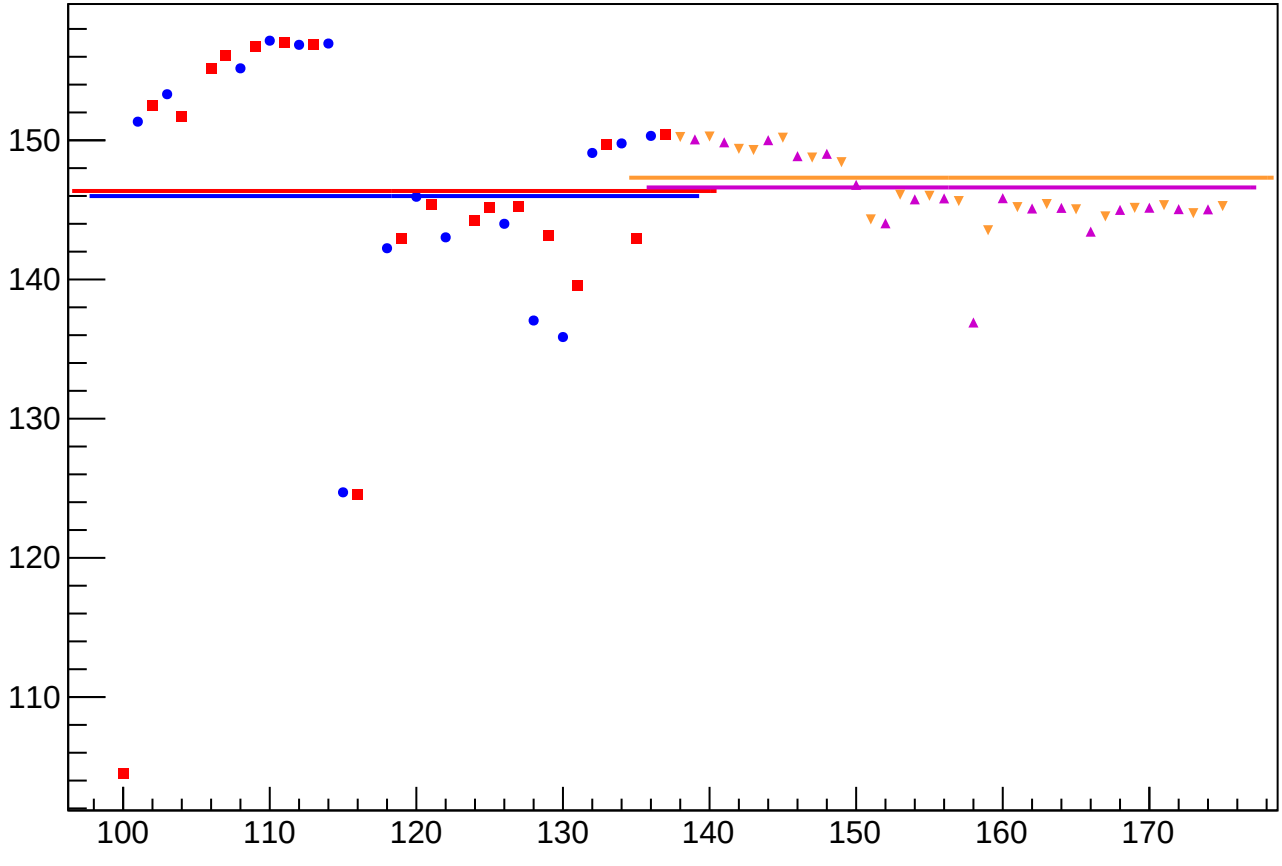
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.393+/-0.000 χ^2/NDF:2969750.1/33

Out: 0.392+/-0.000 χ^2/NDF:3013446.6/38

All: 0.392+/-0.000 χ^2/NDF: 5983271.0/72

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.313+/-0.000 χ^2/NDF:450452111.8/19

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.612+/-0.000 χ^2/NDF:749813786.9/17

Left: 146.978+/-0.000 χ^2/NDF: 1219174683.4/37

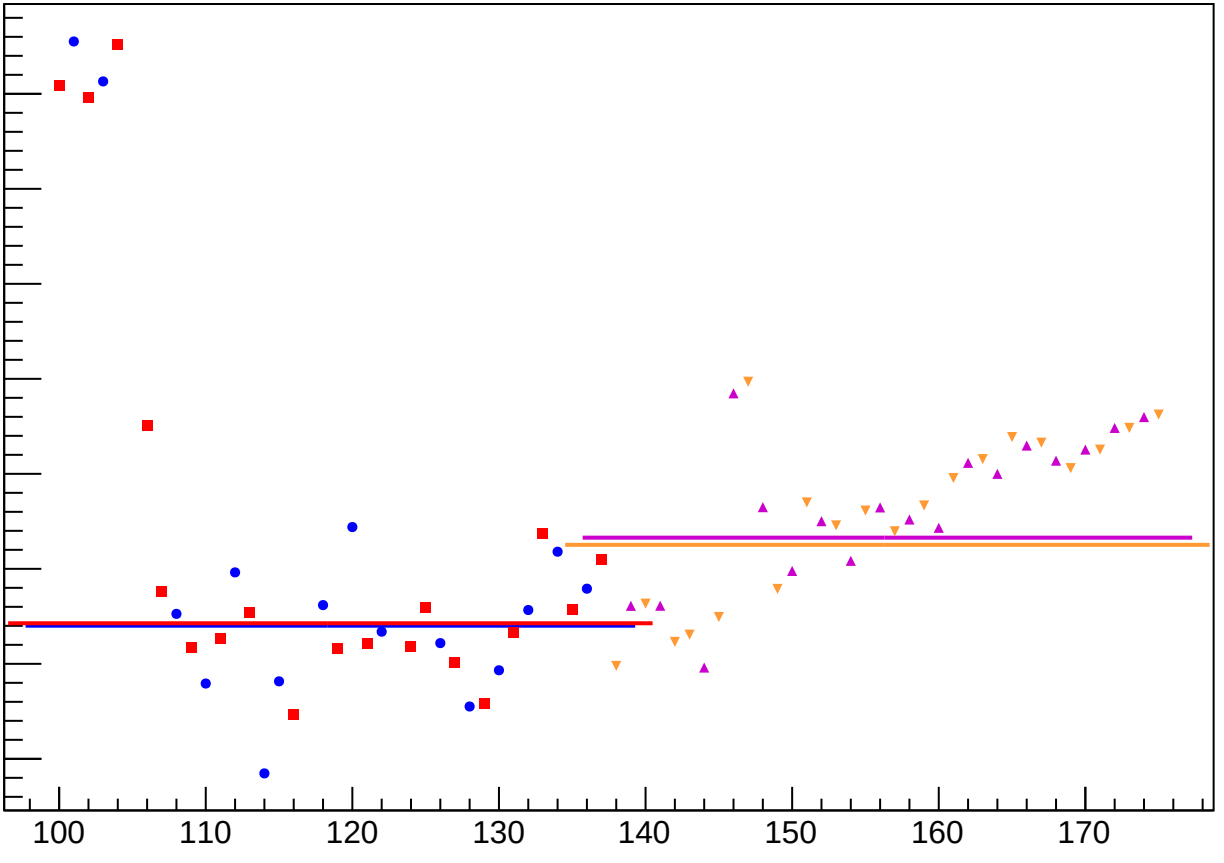
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.358+/-0.000 χ^2/NDF:4383052856.8/33

Out: 146.940+/-0.000 χ^2/NDF:4442287950.8/38

All: 146.658+/-0.000 χ^2/NDF: 8847107417.8

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.425+/-0.000 χ^2/NDF:1262384.0/19

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.433+/-0.000 χ^2/NDF:995007.0/17

Left: 0.429+/-0.000 χ^2/NDF: 2261794.5/37

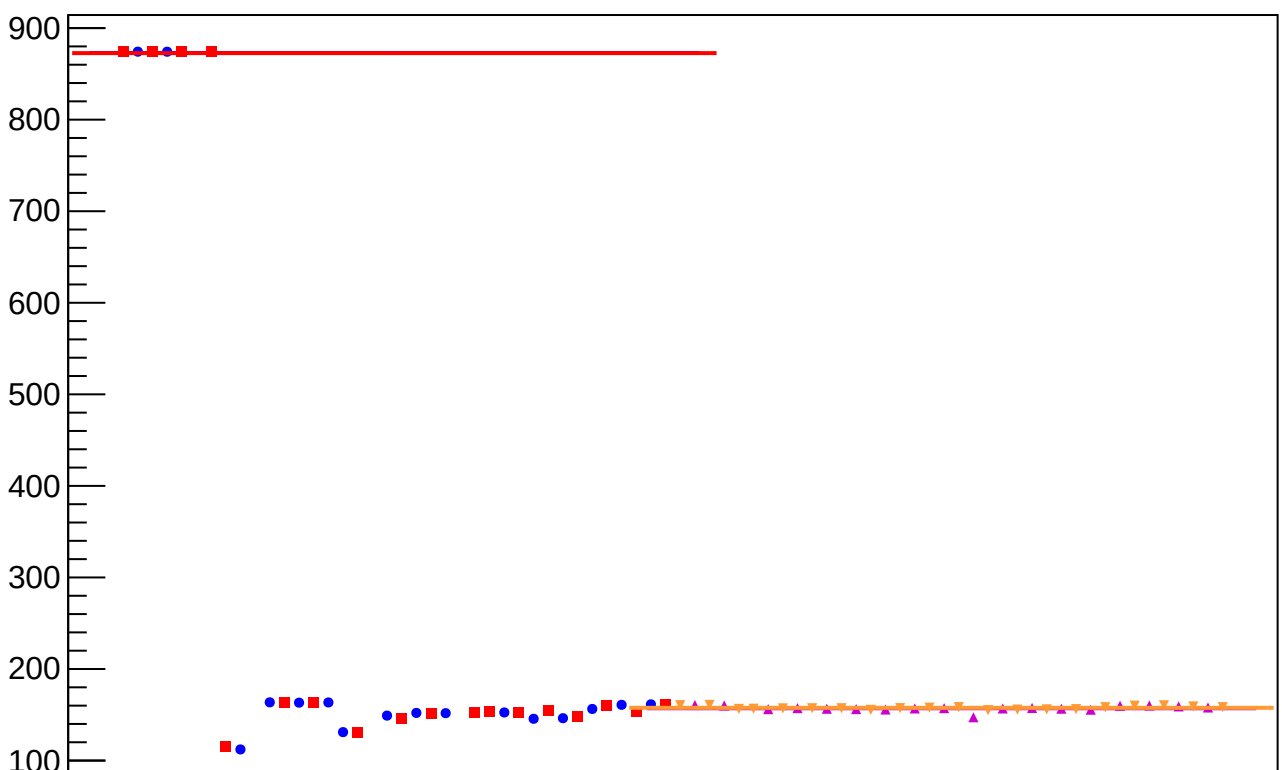
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.395+/-0.000 χ^2/NDF:2907450.9/33

Out: 0.393+/-0.000 χ^2/NDF:2962937.5/38

All: 0.394+/-0.000 χ^2/NDF: 5870806.8/72

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.635+/-0.000 χ^2/NDF:90687083.3/19

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.127+/-0.000 χ^2/NDF:202257447.5/17

Left: 157.387+/-0.000 χ^2/NDF: 296354103.5/37

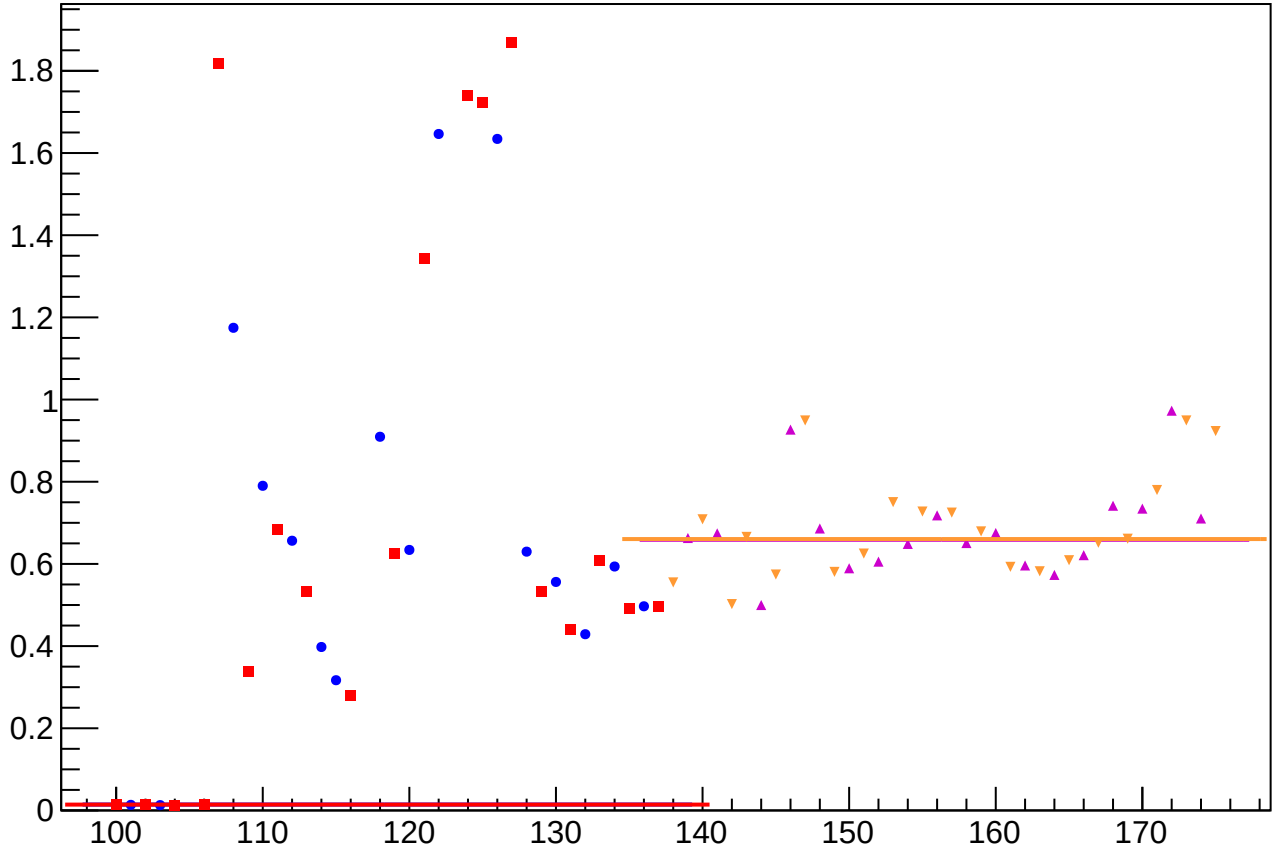
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.243+/-0.000 χ^2/NDF:20341814495376.9/3

Out: 870.325+/-0.000 χ^2/NDF:22965887028795.9

All: 870.287+/-0.000 χ^2/NDF: 43307727252

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.660+/-0.000 χ^2/NDF:604940.6/19

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.659+/-0.000 χ^2/NDF:460406.6/17

Left: 0.660+/-0.000 χ^2/NDF: 1065430.0/37

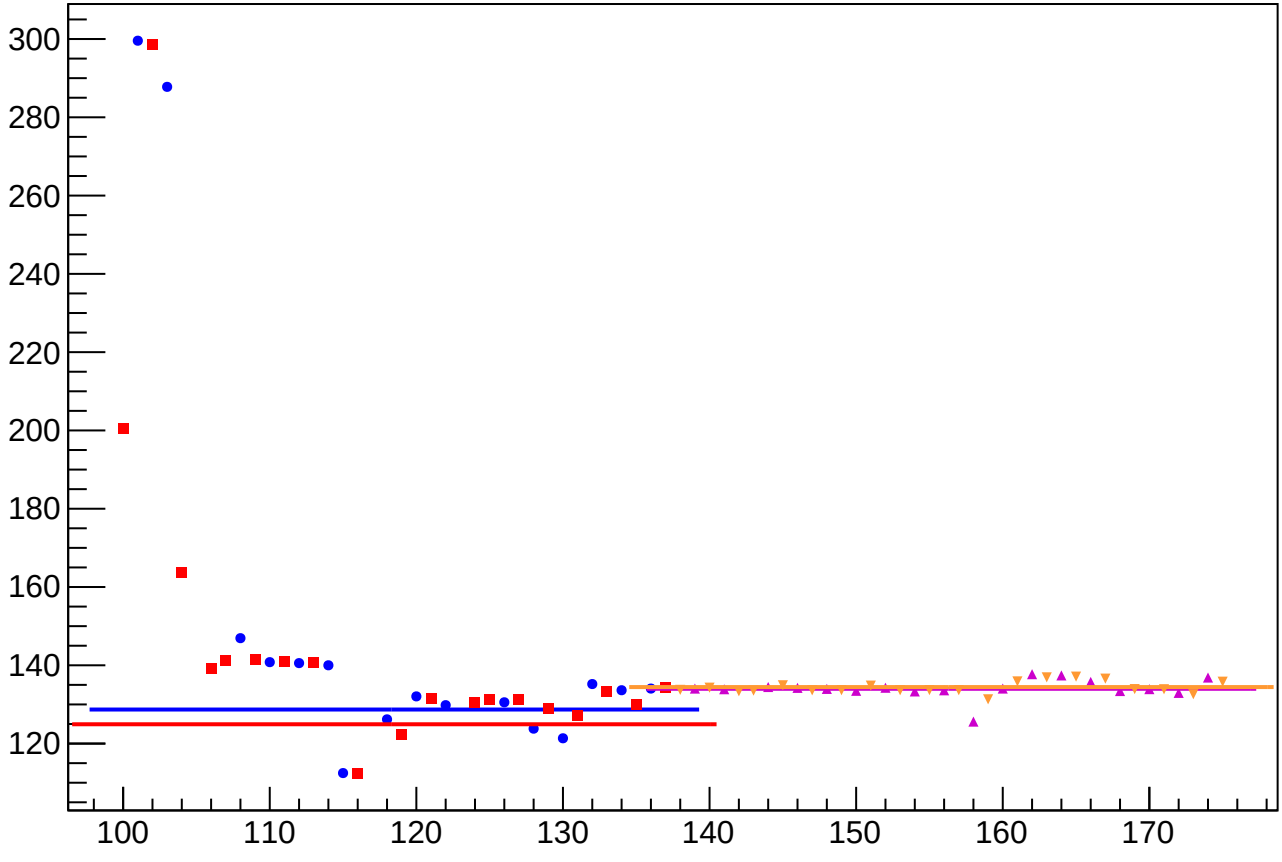
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:31399473.5/33

Out: 0.016+/-0.000 χ^2/NDF:32557011.2/38

All: 0.017+/-0.000 χ^2/NDF: 63957360.0/72

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.437+/-0.000 χ^2/NDF:123899638.4/19

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.995+/-0.000 χ^2/NDF:392667145.5/17

Left: 134.226+/-0.000 χ^2/NDF: 521749673.7/37

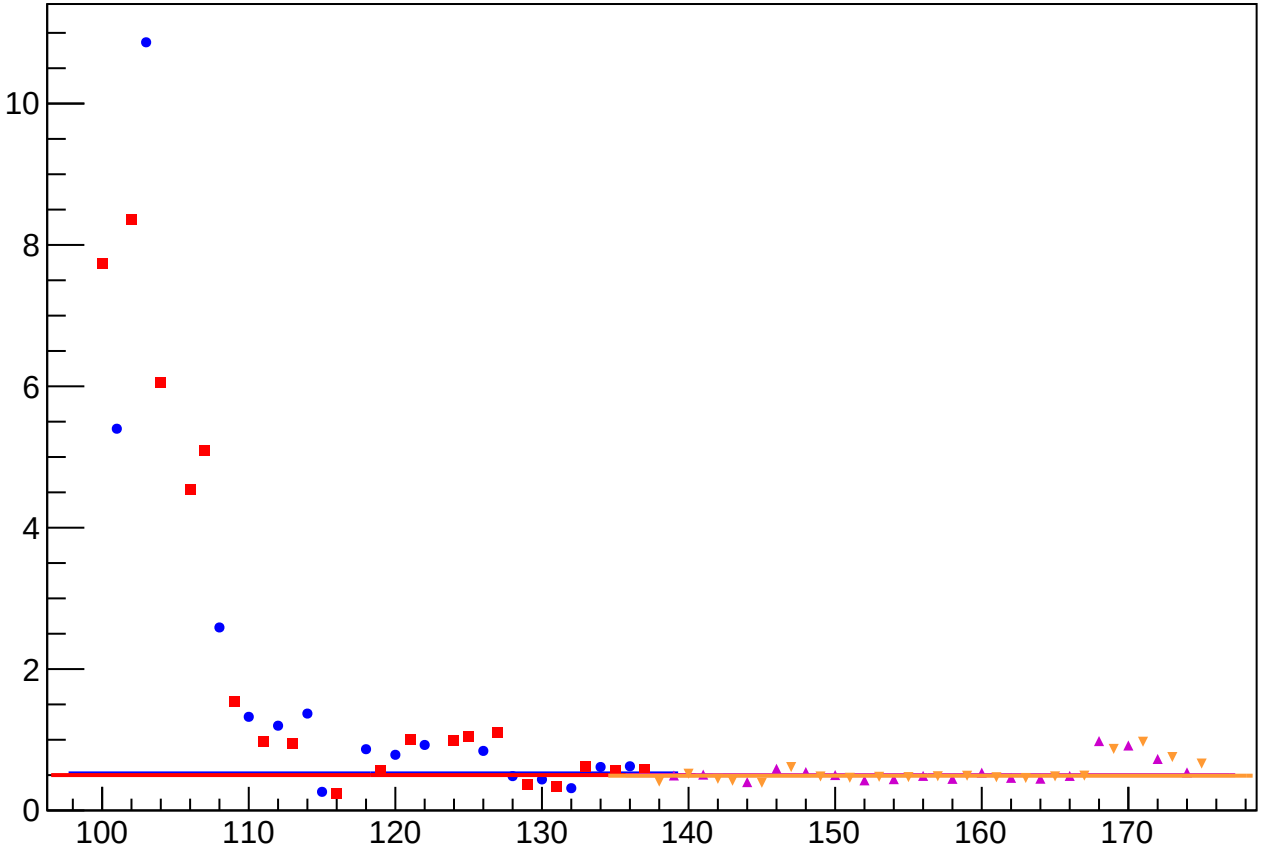
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.894+/-0.000 χ^2/NDF:2345640351.5/33

Out: 132.527+/-0.000 χ^2/NDF:2533794646.6/38

All: 132.703+/-0.000 χ^2/NDF: 4883965140.4

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.492+/-0.000 χ^2/NDF:1145737.9/19

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.499+/-0.000 χ^2/NDF:1085314.2/17

Left: 0.495+/-0.000 χ^2/NDF: 2234199.5/37

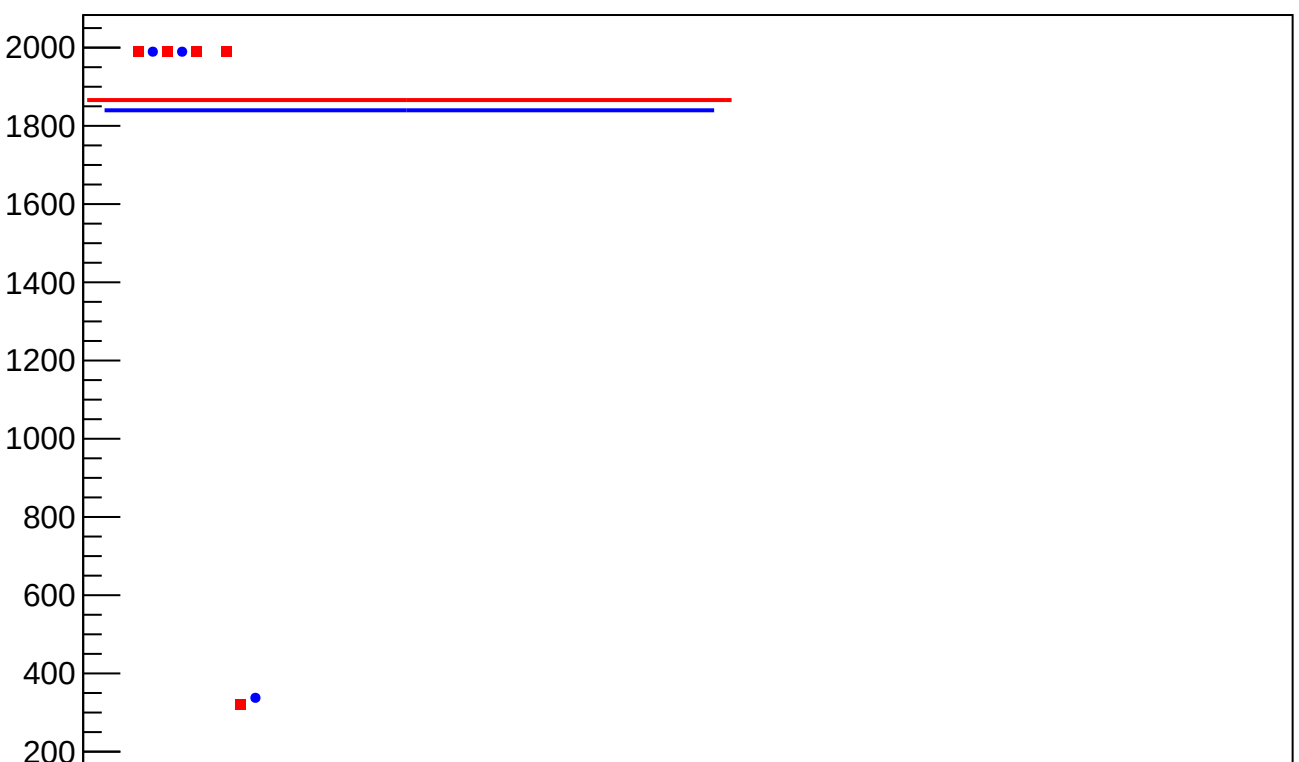
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.505+/-0.000 χ^2/NDF:5236538.2/33

Out: 0.494+/-0.000 χ^2/NDF:6031600.6/38

All: 0.499+/-0.000 χ^2/NDF: 11276297.1/72

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.535+/-0.000 χ^2/NDF:61964985.1/19

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.320+/-0.000 χ^2/NDF:237321435.5/17

Left: 137.433+/-0.000 χ^2/NDF: 301098311.2/37

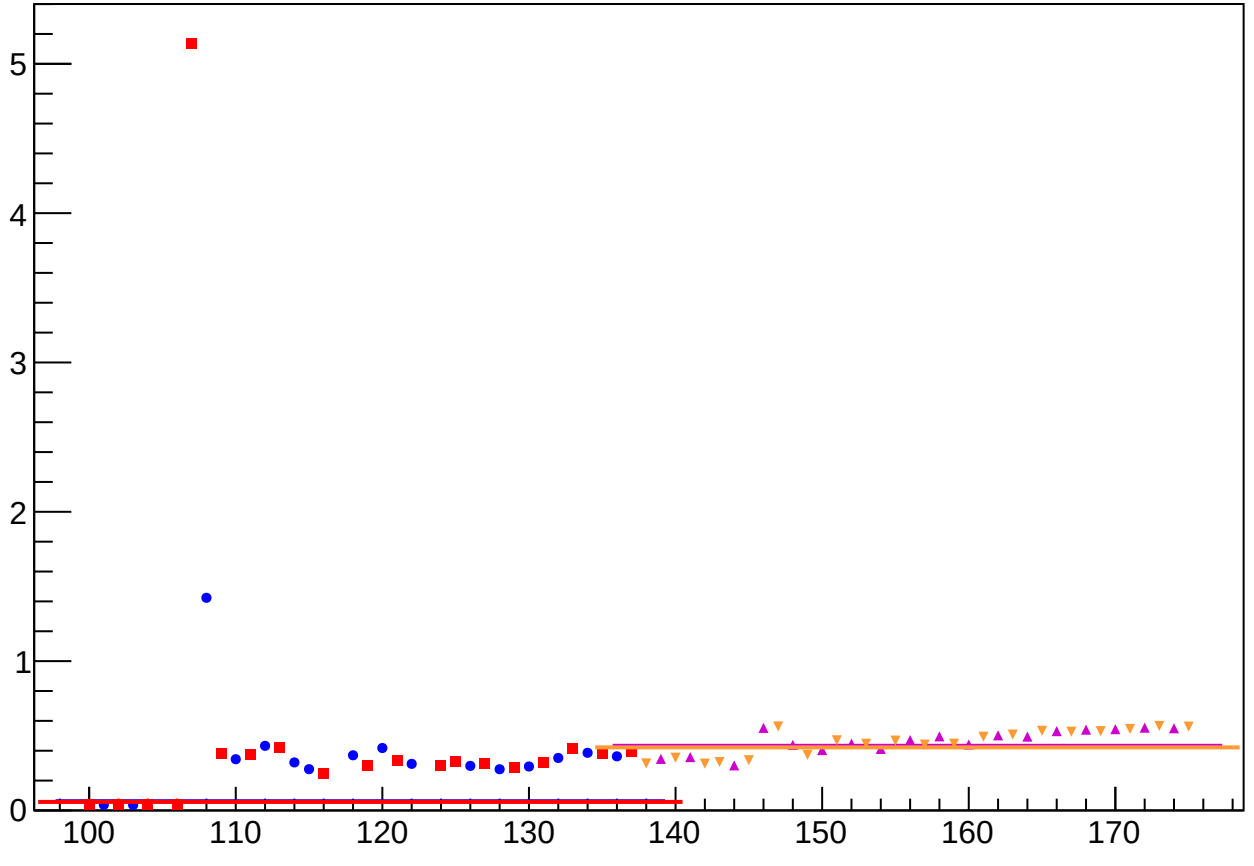
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1644.255+/-0.000 χ^2/NDF:335765040653065.

Out: 1675.560+/-0.000 χ^2/NDF:361931781636083

All: 1661.077+/-0.000 χ^2/NDF: 6980361227

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.422+/-0.000 χ^2/NDF:1296349.2/19

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.433+/-0.000 χ^2/NDF:1018303.8/17

Left: 0.427+/-0.000 χ^2/NDF: 2323583.4/37

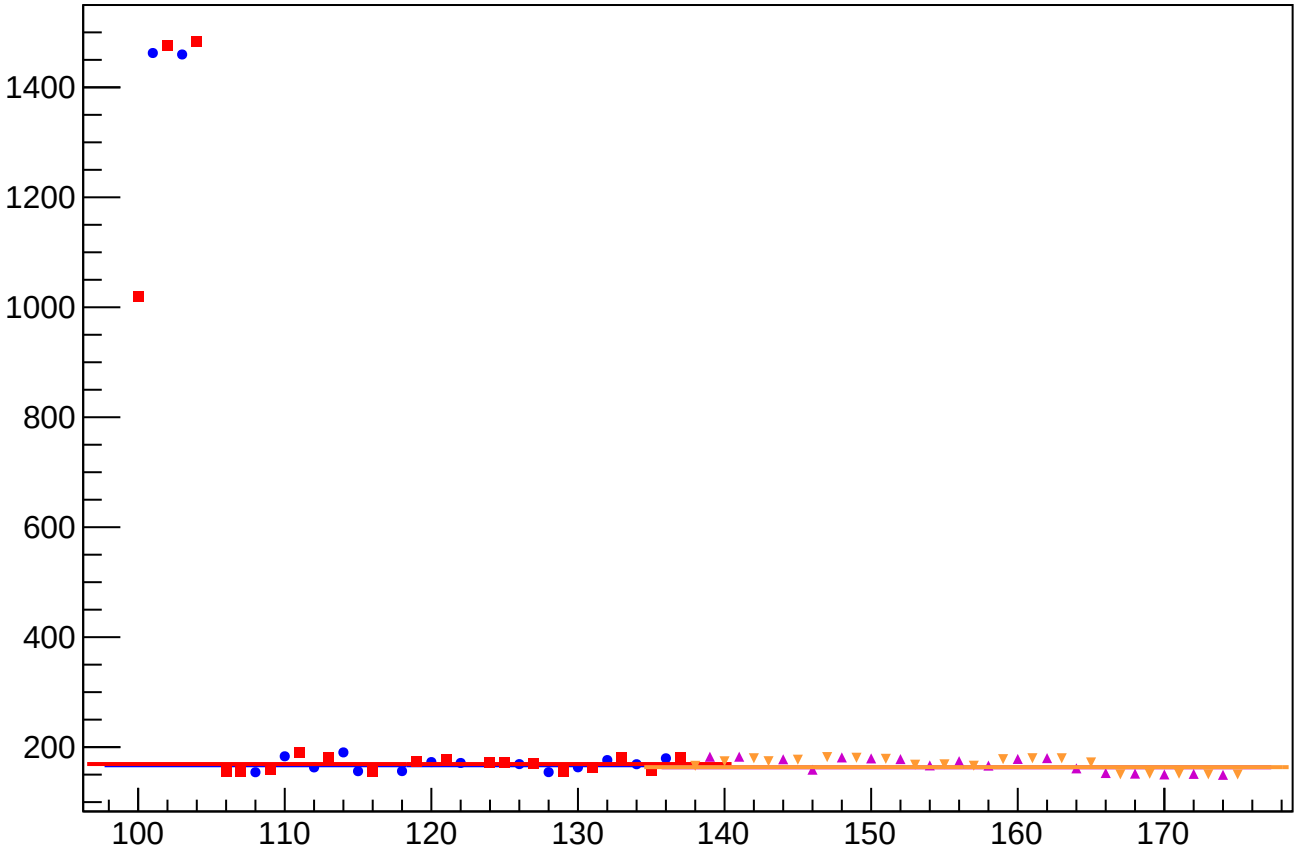
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.104+/-0.000 χ^2/NDF:27244952.2/33

Out: 0.097+/-0.000 χ^2/NDF:28585883.1/38

All: 0.101+/-0.000 χ^2/NDF: 55863896.7/72

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 163.584+/-0.000 χ^2/NDF:2900746157.2/19

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 163.311+/-0.000 χ^2/NDF:2883053616.0/17

Left: 163.453+/-0.000 χ^2/NDF: 5784488050.8/37

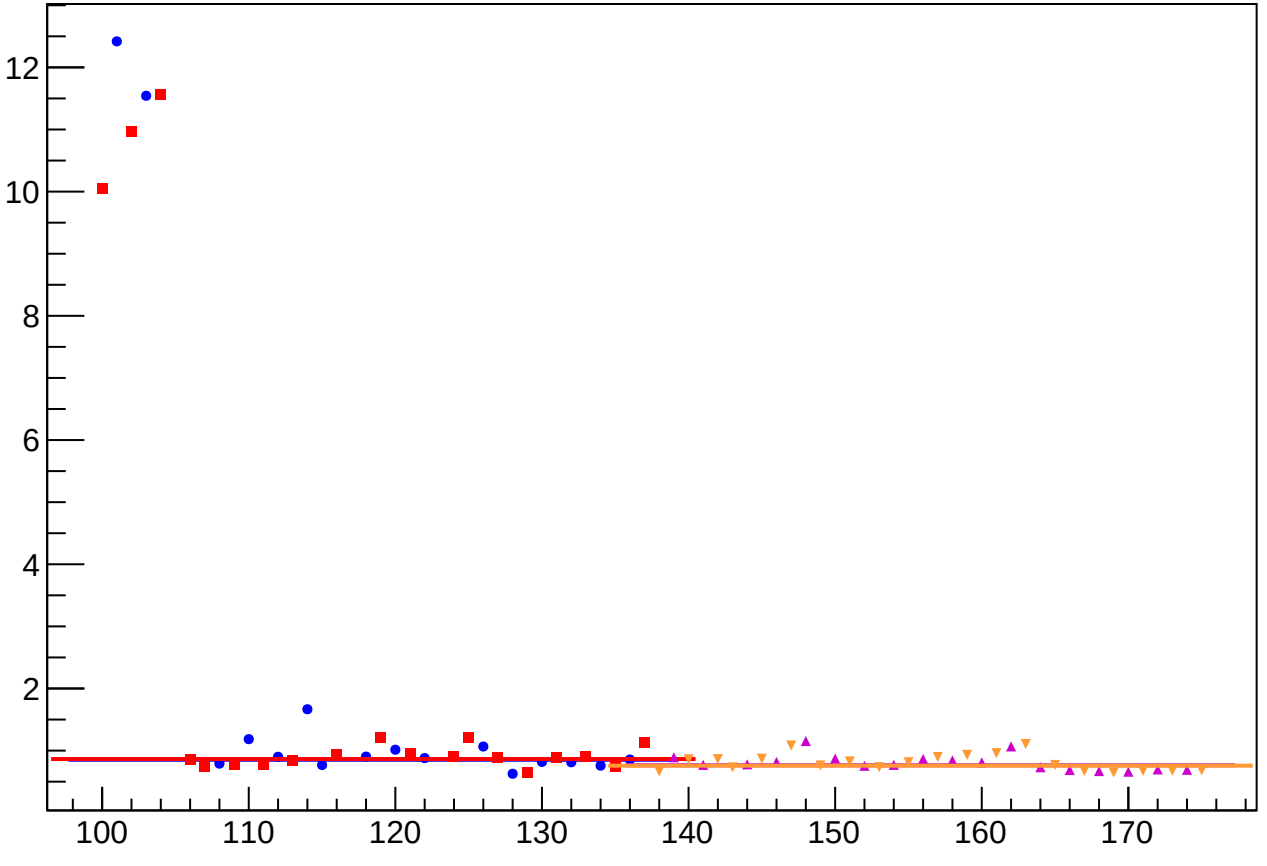
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 164.160+/-0.000 χ^2/NDF:17554079579.1/33

Out: 164.833+/-0.000 χ^2/NDF:19355041141.6/38

All: 164.508+/-0.000 χ^2/NDF: 36914532380.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.758+/-0.000 χ^2/NDF:522858.4/19

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.764+/-0.000 χ^2/NDF:406653.2/17

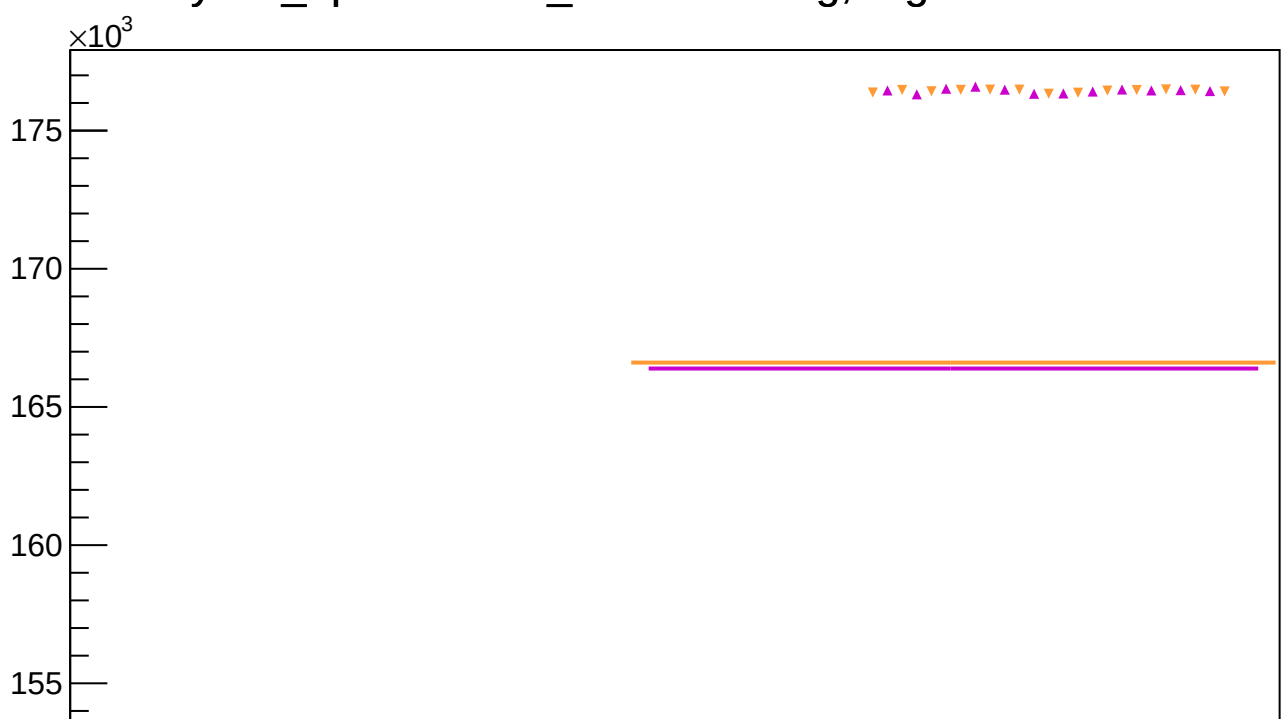
Left: 0.760+/-0.000 χ^2/NDF: 930200.3/37

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.784+/-0.000 χ^2/NDF:2774094.7/33

Out: 0.781+/-0.000 χ^2/NDF:2828928.7/38

All: 0.783+/-0.000 χ^2/NDF: 5603246.4/72



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7/19

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

Left: 166503.058+/-0.036 χ^2/NDF: 109576106536.

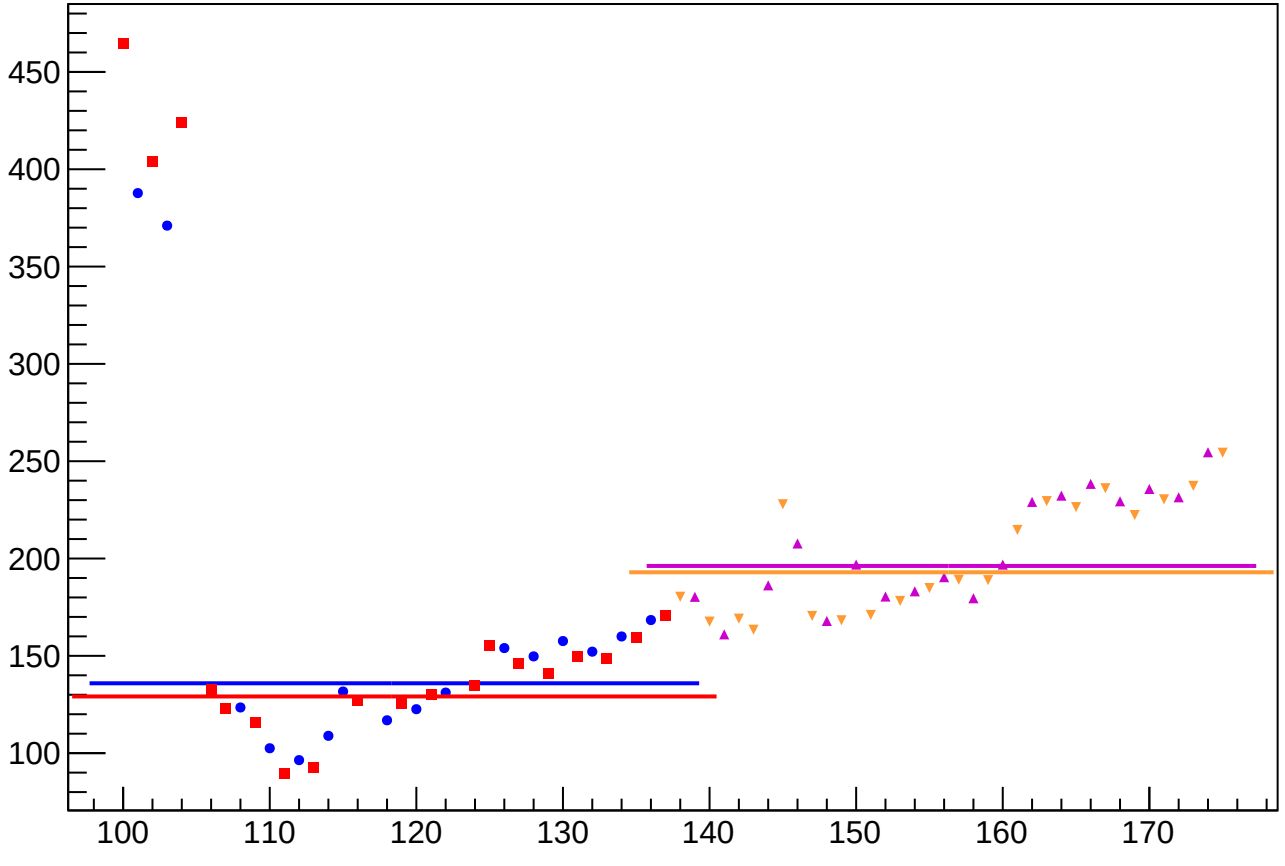
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158925.248+/-0.038 χ^2/NDF:97085474538.8/3

Out: 158865.465+/-0.035 χ^2/NDF:108506887261.

All: 158893.635+/-0.026 χ^2/NDF: 20559370

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

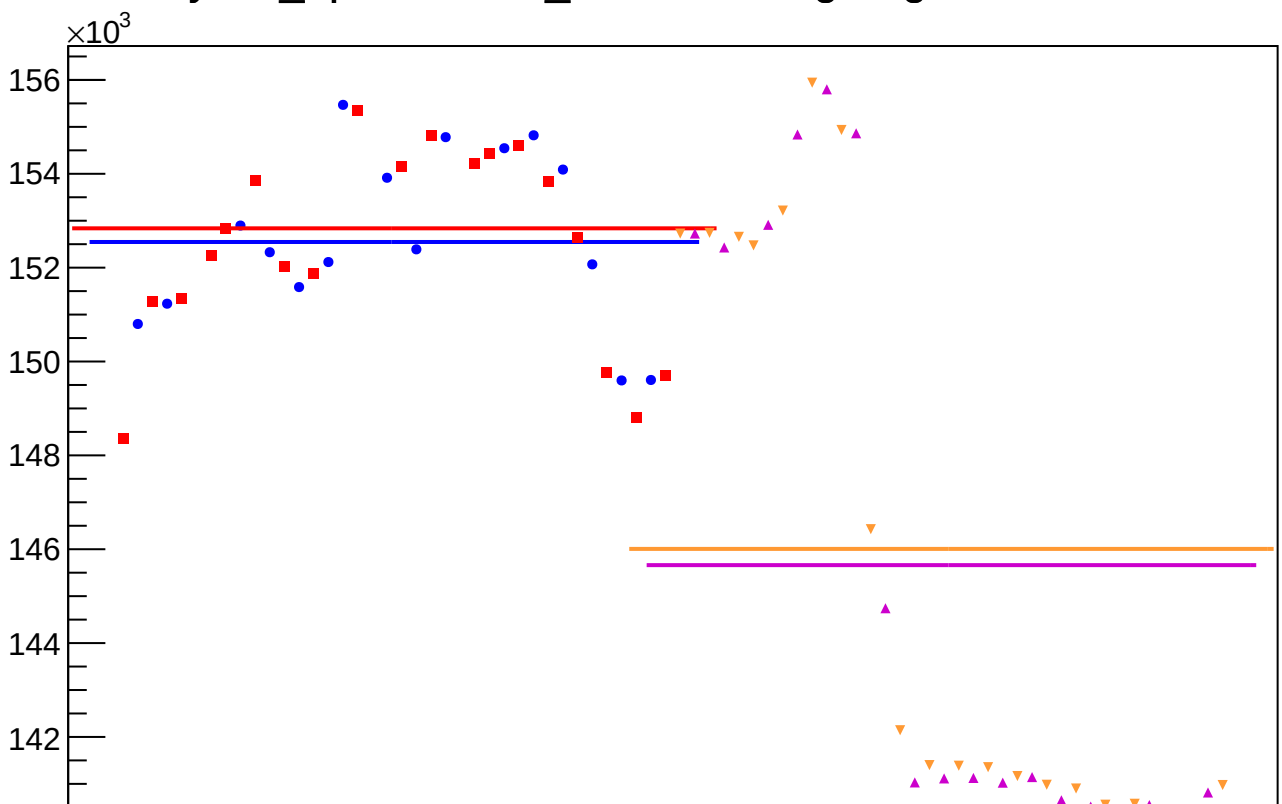
Left: 194.483+/-0.025 χ^2/NDF: 1123479.2/37

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 167.739+/-0.027 χ^2/NDF:3201346.1/33

Out: 162.155+/-0.025 χ^2/NDF:3857454.6/38

All: 164.786+/-0.018 χ^2/NDF: 7082239.1/72



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

Left: 145840.568+/-0.038 χ^2/NDF: 24226049293.3

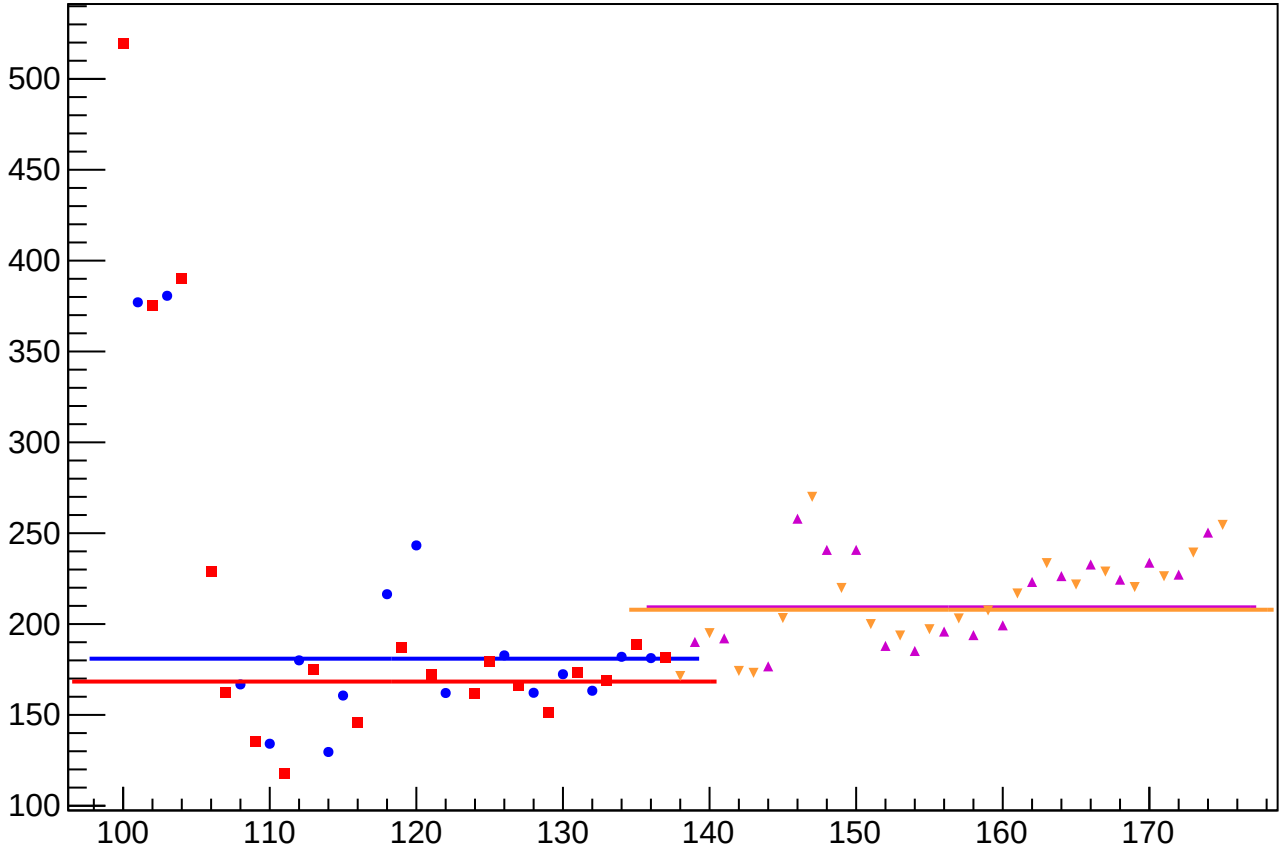
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148174.276+/-0.044 χ^2/NDF:18335108932.7/3

Out: 148652.530+/-0.041 χ^2/NDF:19406019723.3/

All: 148426.759+/-0.030 χ^2/NDF: 37803870

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

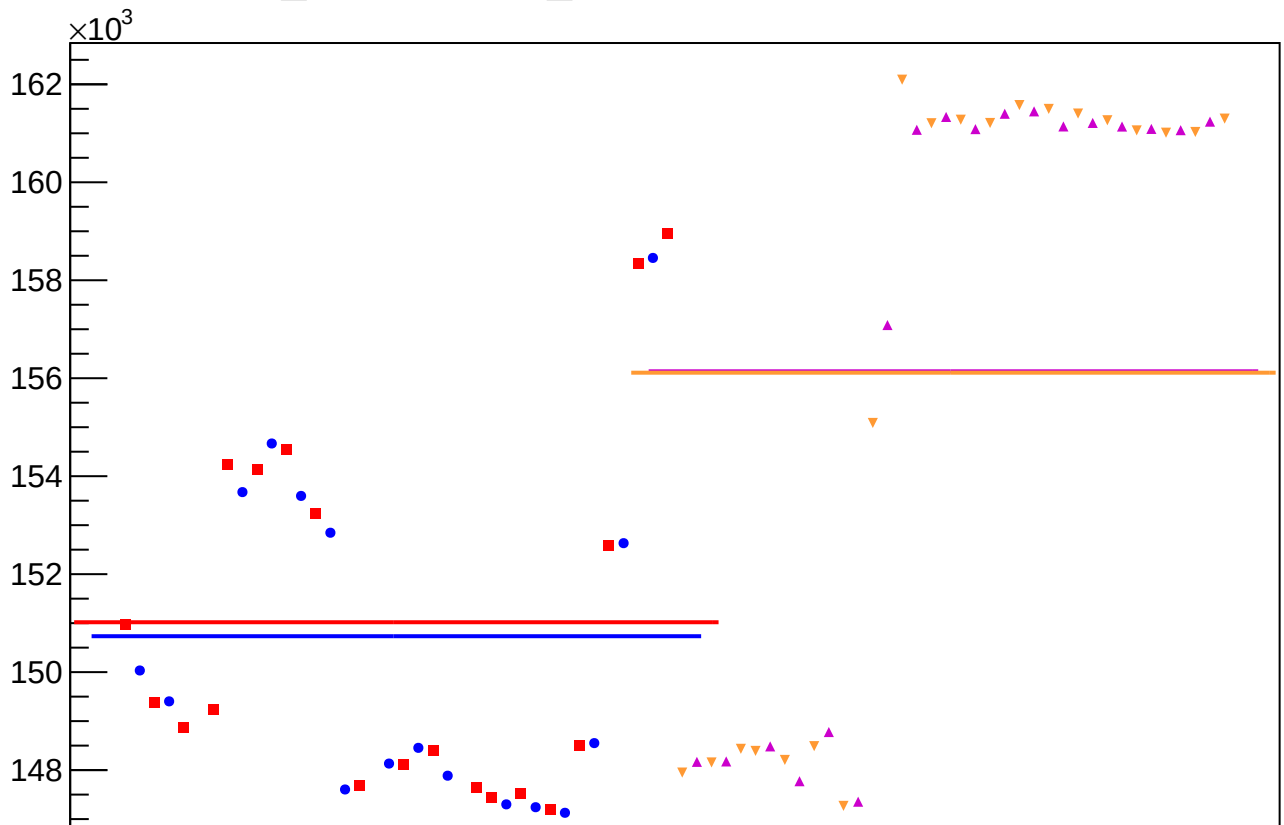
Left: 208.515+/-0.027 χ^2/NDF: 811224.1/37

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 198.884+/-0.031 χ^2/NDF:1490201.3/33

Out: 192.571+/-0.029 χ^2/NDF:1940610.3/38

All: 195.551+/-0.021 χ^2/NDF: 3452678.3/72



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156112.957+/-0.051 χ^2/NDF:14878058828.8/19

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156141.529+/-0.054 χ^2/NDF:12993741629.5/17

Left: 156126.533+/-0.037 χ^2/NDF: 27871947421.8

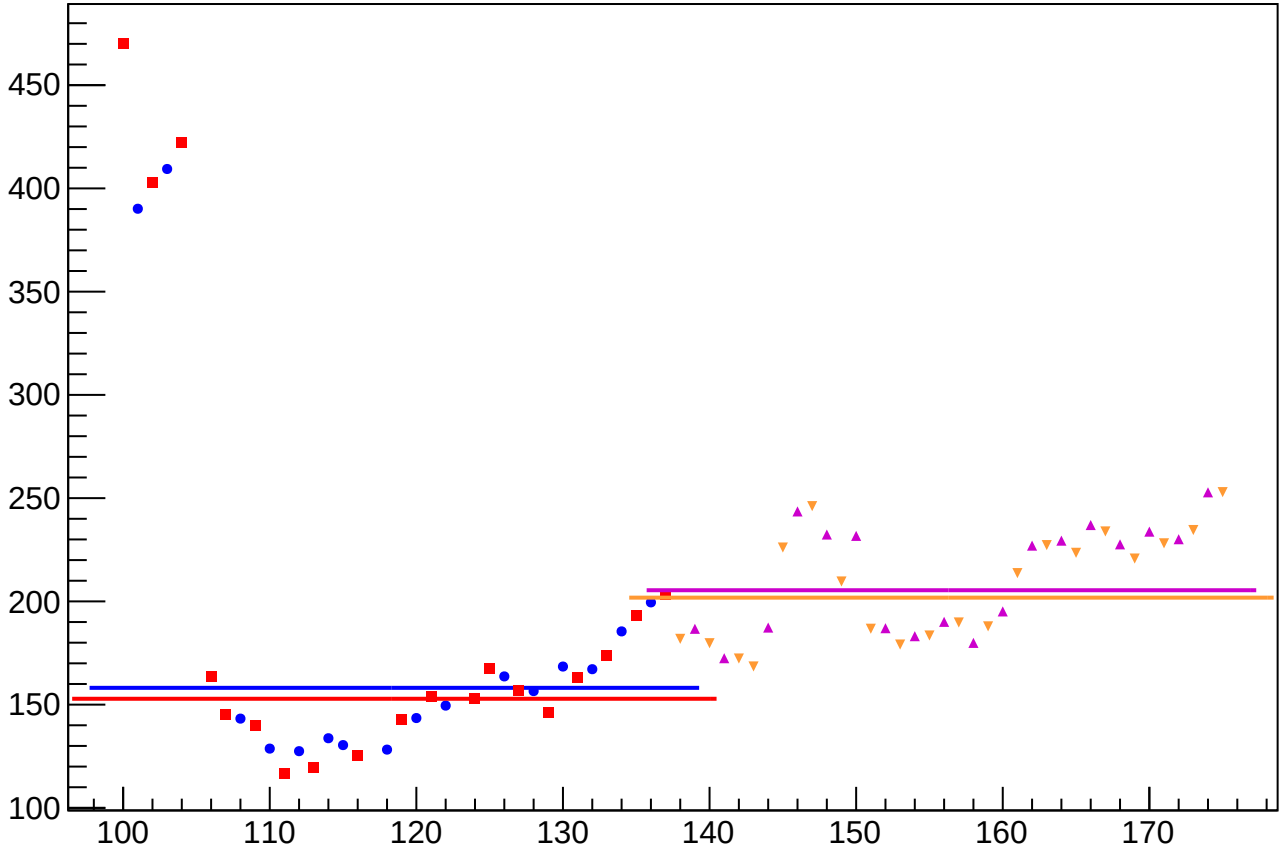
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153846.961+/-0.041 χ^2/NDF:20533995862.1/3

Out: 153960.161+/-0.039 χ^2/NDF:22319297937.6

All: 153906.290+/-0.028 χ^2/NDF: 42857294

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 201.814+/-0.036 χ^2/NDF:472996.3/19

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 205.405+/-0.038 χ^2/NDF:443312.1/17

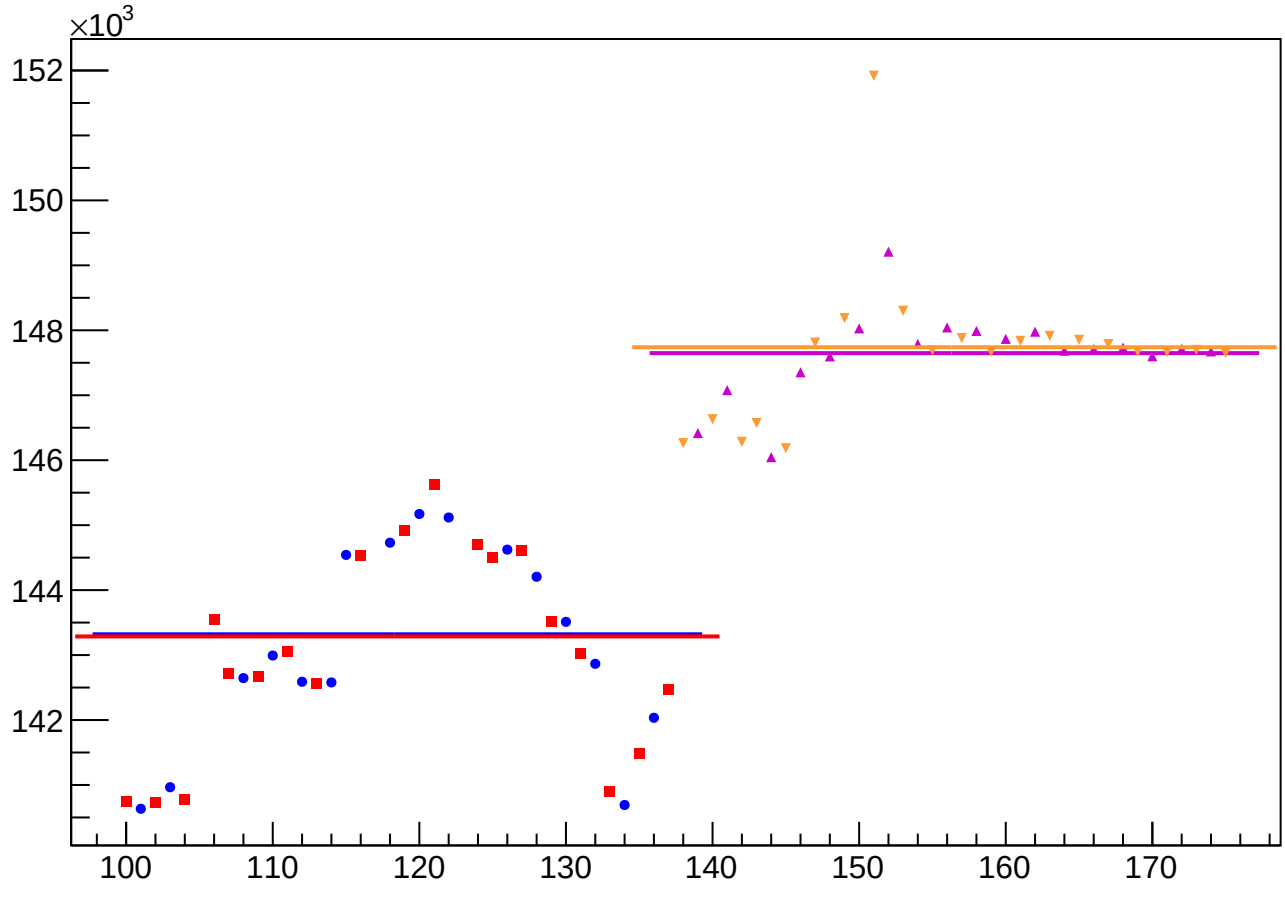
Left: 203.520+/-0.026 χ^2/NDF: 920951.7/37

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 185.351+/-0.029 χ^2/NDF:2289274.0/33

Out: 181.119+/-0.028 χ^2/NDF:2505178.1/38

All: 183.133+/-0.020 χ^2/NDF: 4805634.7/72



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147739.024+/-0.048 χ^2/NDF:670877894.3/19

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147648.798+/-0.050 χ^2/NDF:199577342.3/17

Left: 147696.069+/-0.035 χ^2/NDF: 872147616.3/37

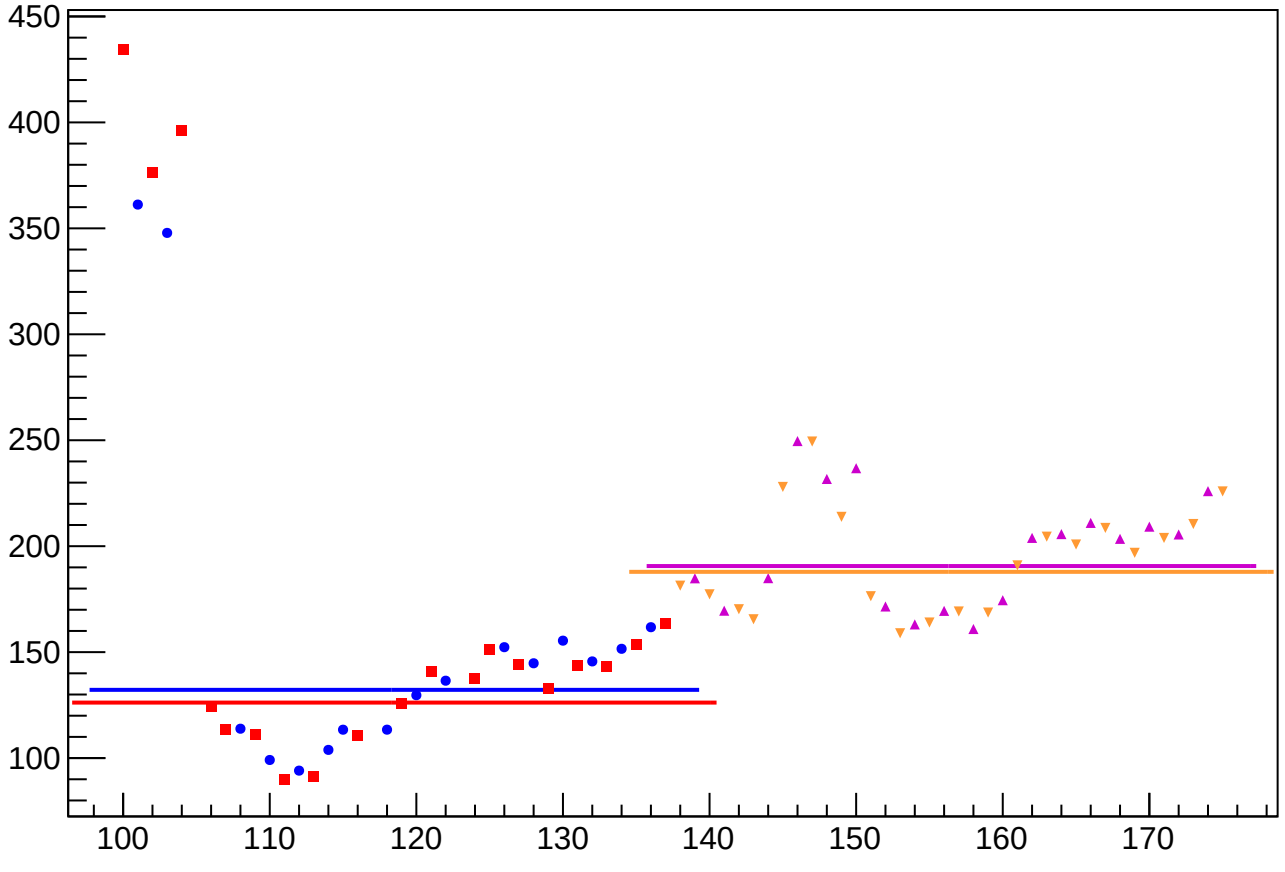
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145606.615+/-0.036 χ^2/NDF:4267006016.3/33

Out: 145597.502+/-0.034 χ^2/NDF:5454751302.5/3

All: 145601.800+/-0.025 χ^2/NDF: 97217902

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 187.897+/-0.034 χ^2/NDF:467551.4/19

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 190.629+/-0.035 χ^2/NDF:508770.9/17

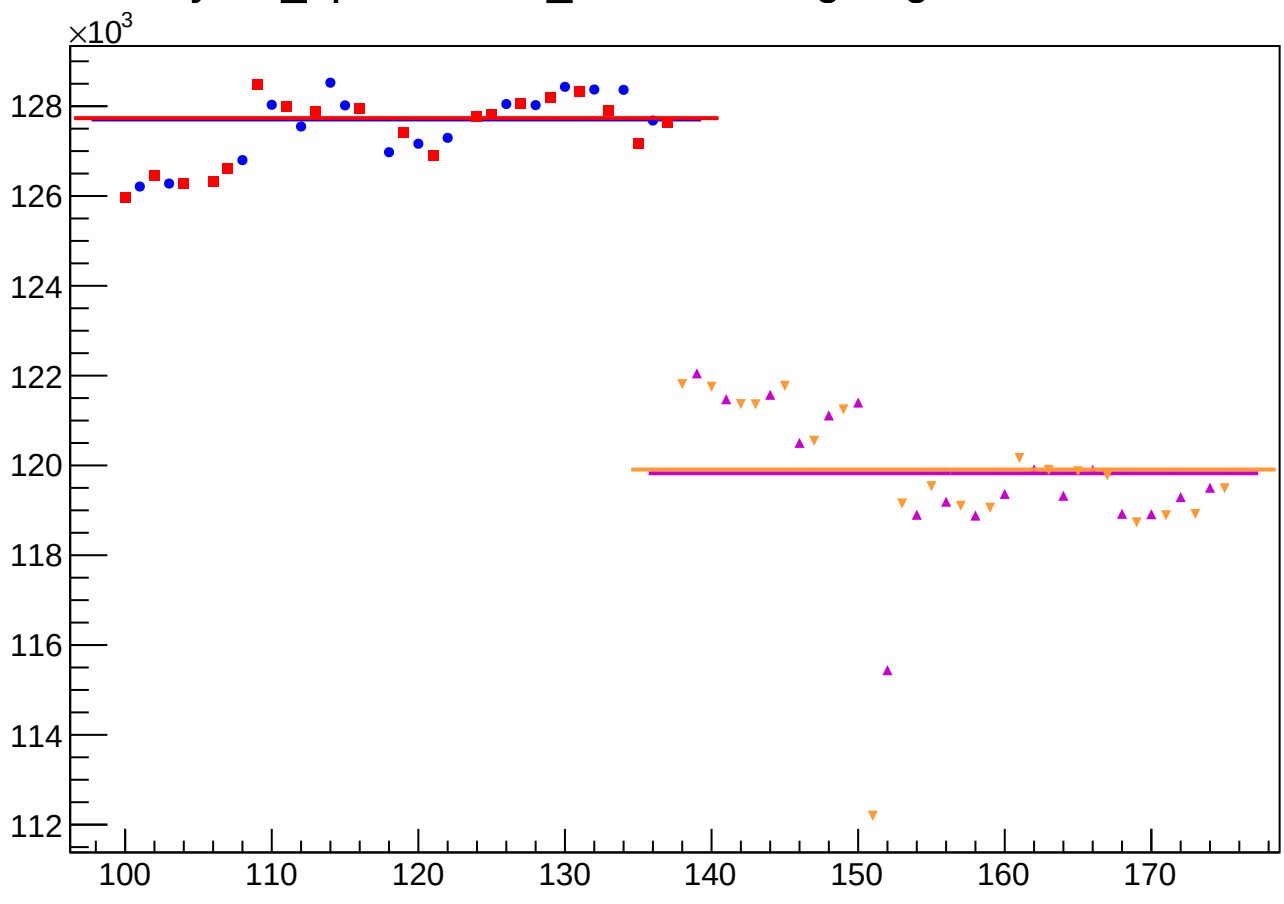
Left: 189.198+/-0.024 χ^2/NDF: 979426.8/37

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

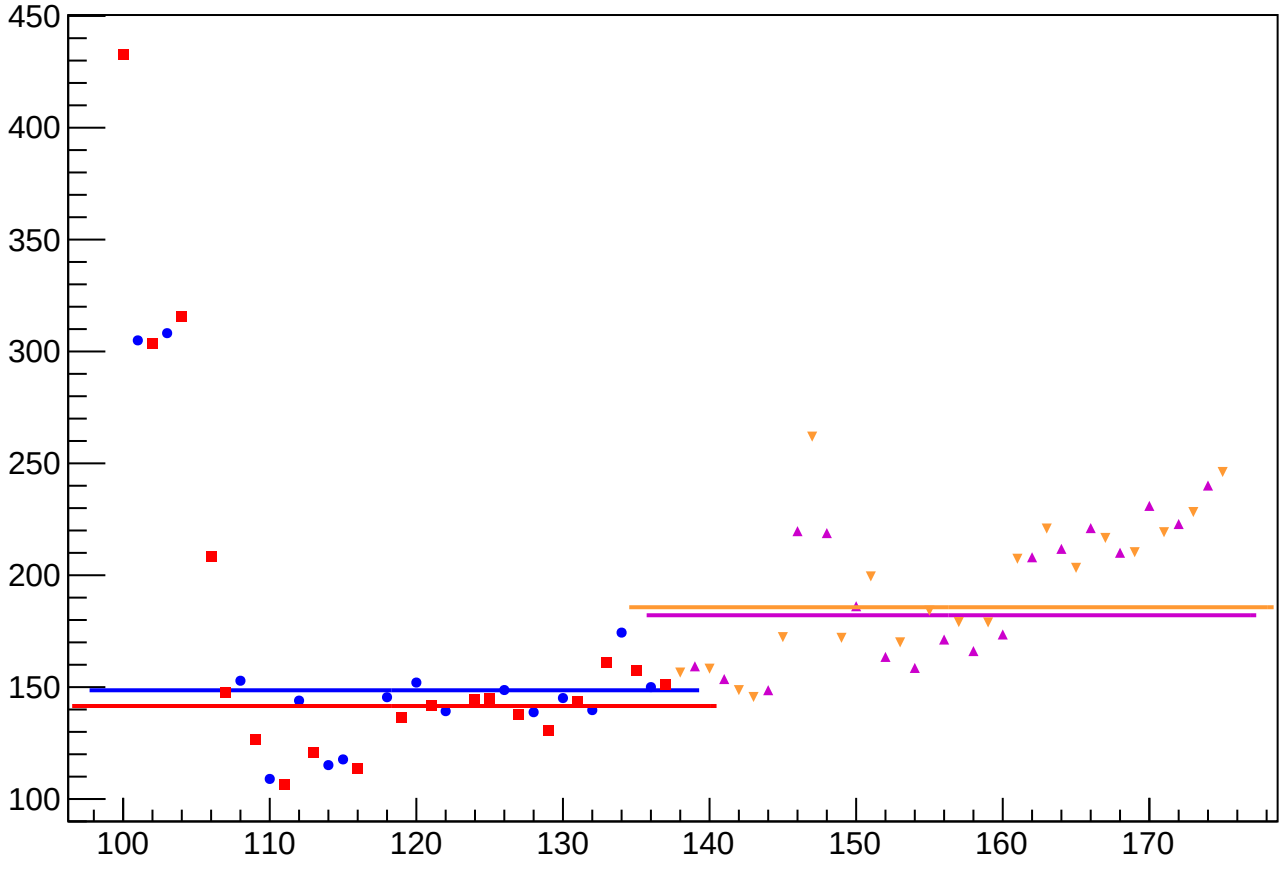
In: 163.068+/-0.026 χ^2/NDF:3165845.8/33

Out: 158.215+/-0.024 χ^2/NDF:3612142.6/38

All: 160.504+/-0.018 χ^2/NDF: 6796683.1/72


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 119908.886+/-0.048 χ²/NDF:1823078109.1/19
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119826.034+/-0.048 χ²/NDF:1189374311.6/17
Left: 119867.908+/-0.034 χ²/NDF: 3013936904.1/3
Right: 127720.787+/-0.040 χ²/NDF: 214070280.4/3
In: 123028.783+/-0.037 χ²/NDF:12091514618.8/3
Out: 123284.200+/-0.036 χ²/NDF:13481978746.1
All: 123160.602+/-0.026 χ²/NDF: 25597766

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 185.706+/-0.034 χ^2/NDF:769541.0/19

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 182.118+/-0.034 χ^2/NDF:703098.1/17

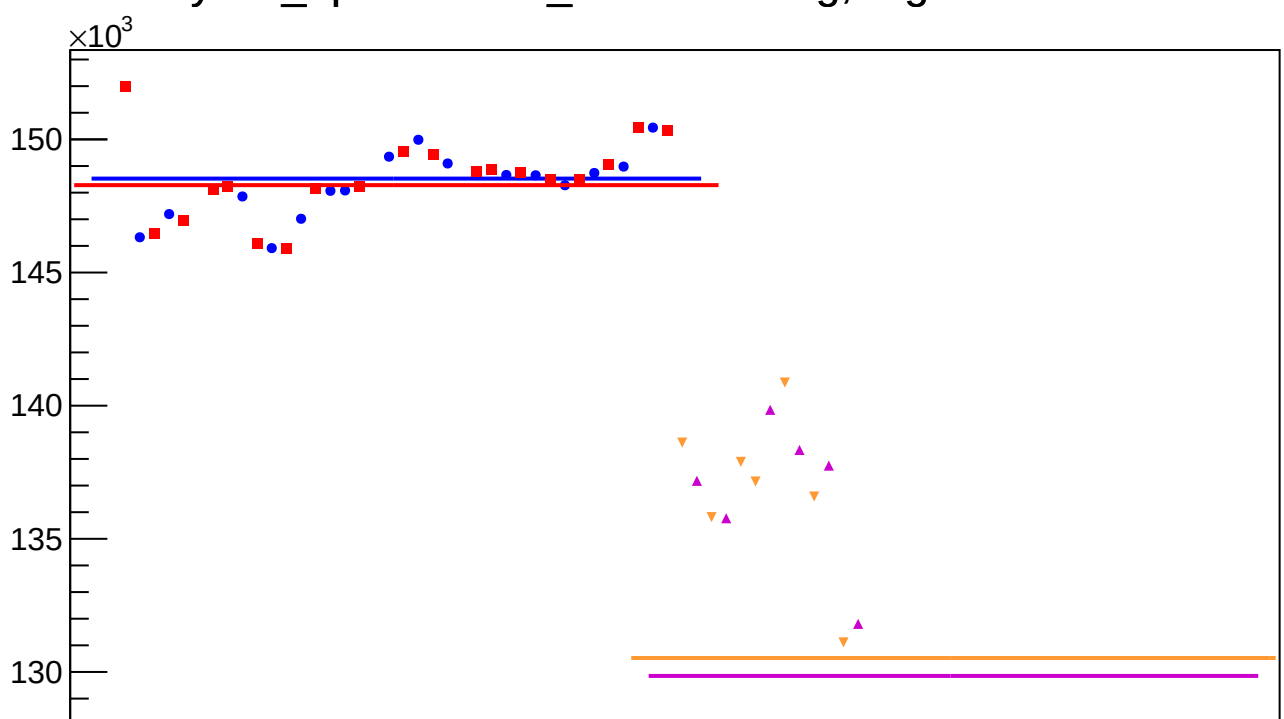
Left: 183.931+/-0.024 χ^2/NDF: 1478206.8/37

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 168.491+/-0.026 χ^2/NDF:1921757.3/33

Out: 166.666+/-0.026 χ^2/NDF:2505730.4/38

All: 167.549+/-0.018 χ^2/NDF: 4429964.0/72



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130524.393+/-0.069 χ^2/NDF:6016637118.0/19

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129851.157+/-0.070 χ^2/NDF:6209582641.2/17

Left: 130191.981+/-0.049 χ^2/NDF: 12273075173.0

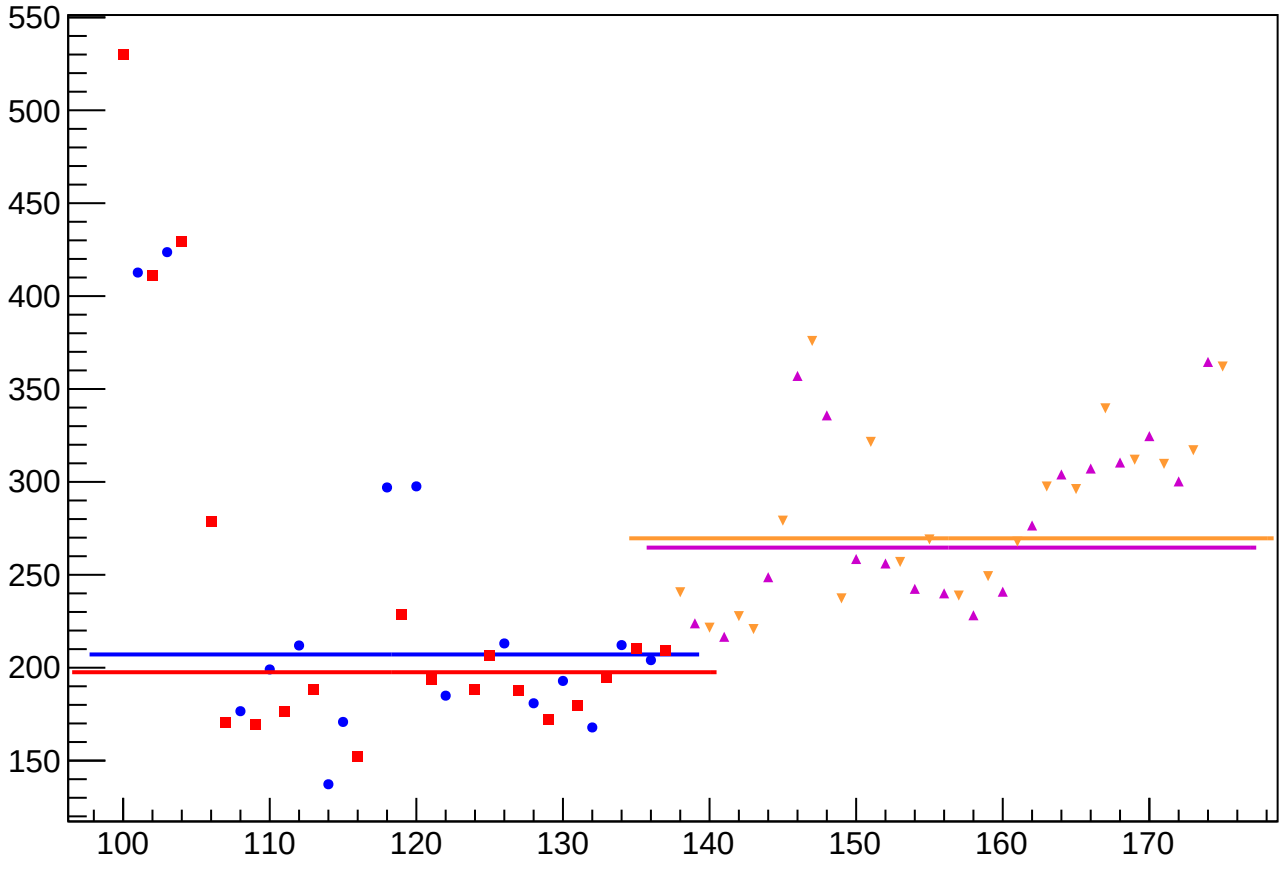
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137728.028+/-0.053 χ^2/NDF:36459603675.9/3

Out: 138492.219+/-0.051 χ^2/NDF:35935075069.7/

All: 138124.009+/-0.037 χ^2/NDF: 725015412

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 269.641+/-0.049 χ^2/NDF:746671.3/19

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 264.633+/-0.049 χ^2/NDF:719786.3/17

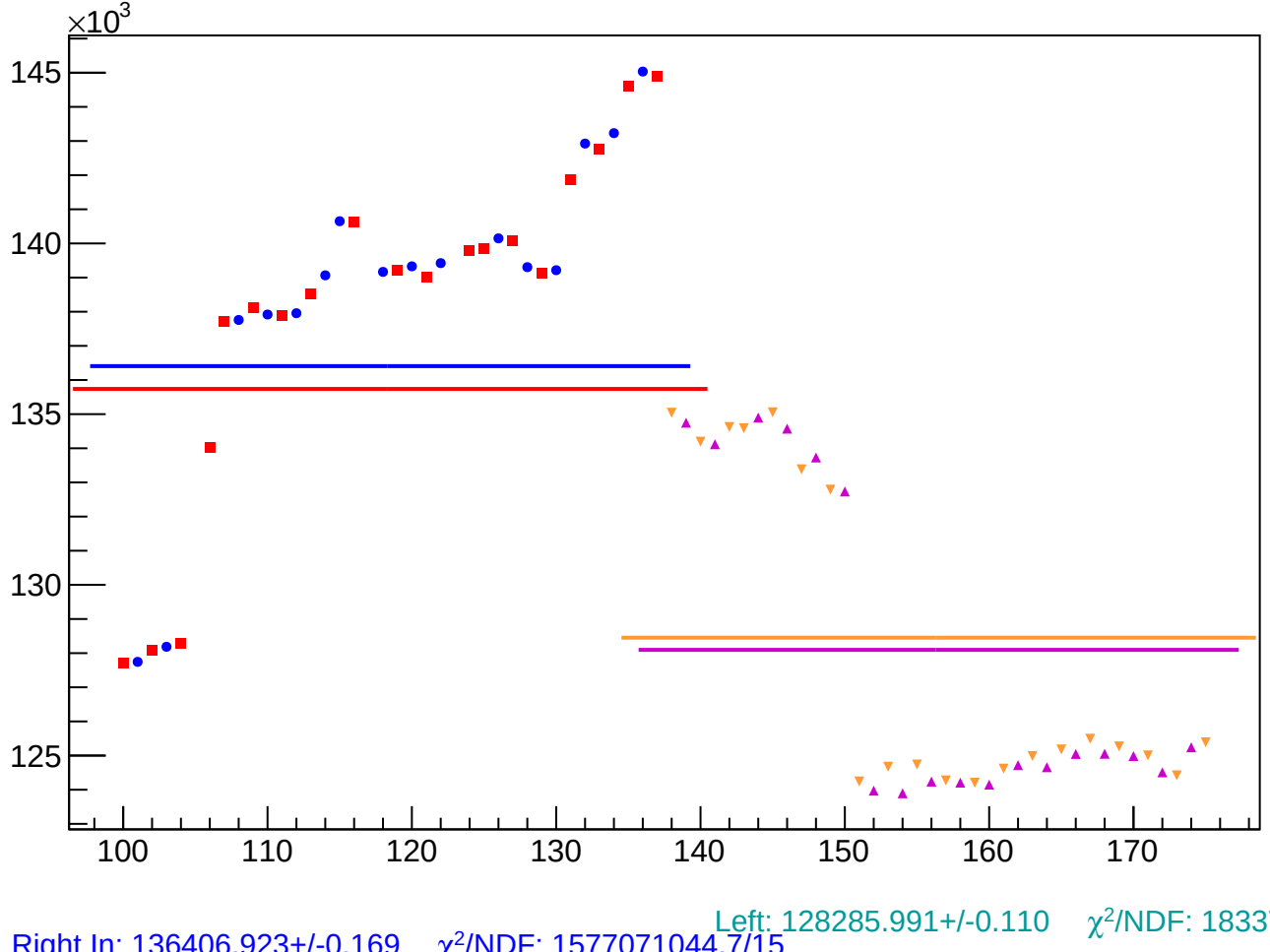
Left: 267.169+/-0.035 χ^2/NDF: 1471642.8/37

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 240.383+/-0.038 χ^2/NDF:2261458.9/33

Out: 237.303+/-0.036 χ^2/NDF:2626586.2/38

All: 238.787+/-0.026 χ^2/NDF: 4891516.5/72



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128452.780+/-0.150 χ^2/NDF:970592847.6/19

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 128096.170+/-0.160 χ^2/NDF:860471879.8/17

Left: 128285.991+/-0.110 χ^2/NDF: 1833700845.8/3

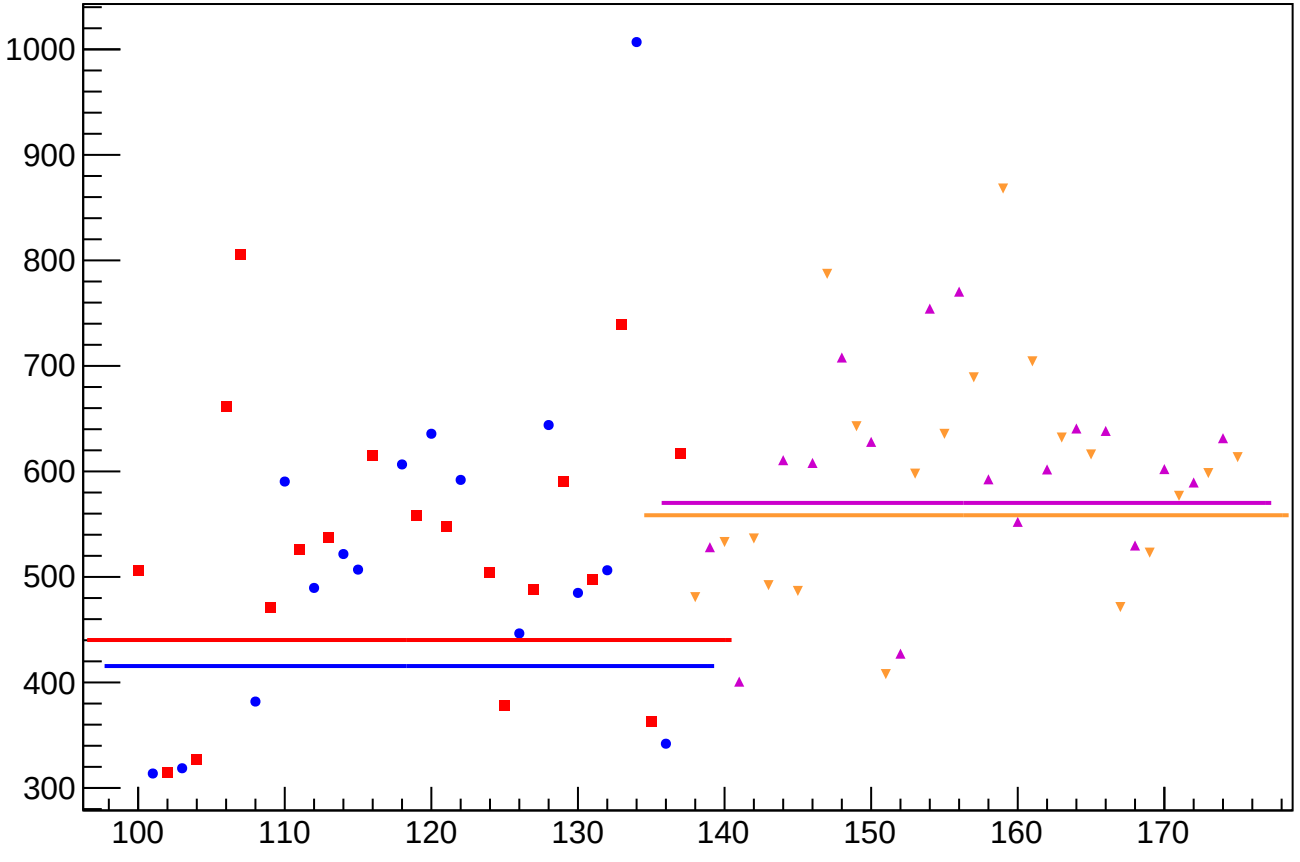
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132041.134+/-0.116 χ^2/NDF:3714310750.3/33

Out: 131509.634+/-0.114 χ^2/NDF:3131787058.2/3

All: 131771.452+/-0.082 χ^2/NDF: 685672358

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 558.469+/-0.106 χ^2/NDF:877419.2/19

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.155+/-0.113 χ^2/NDF:744735.1/17

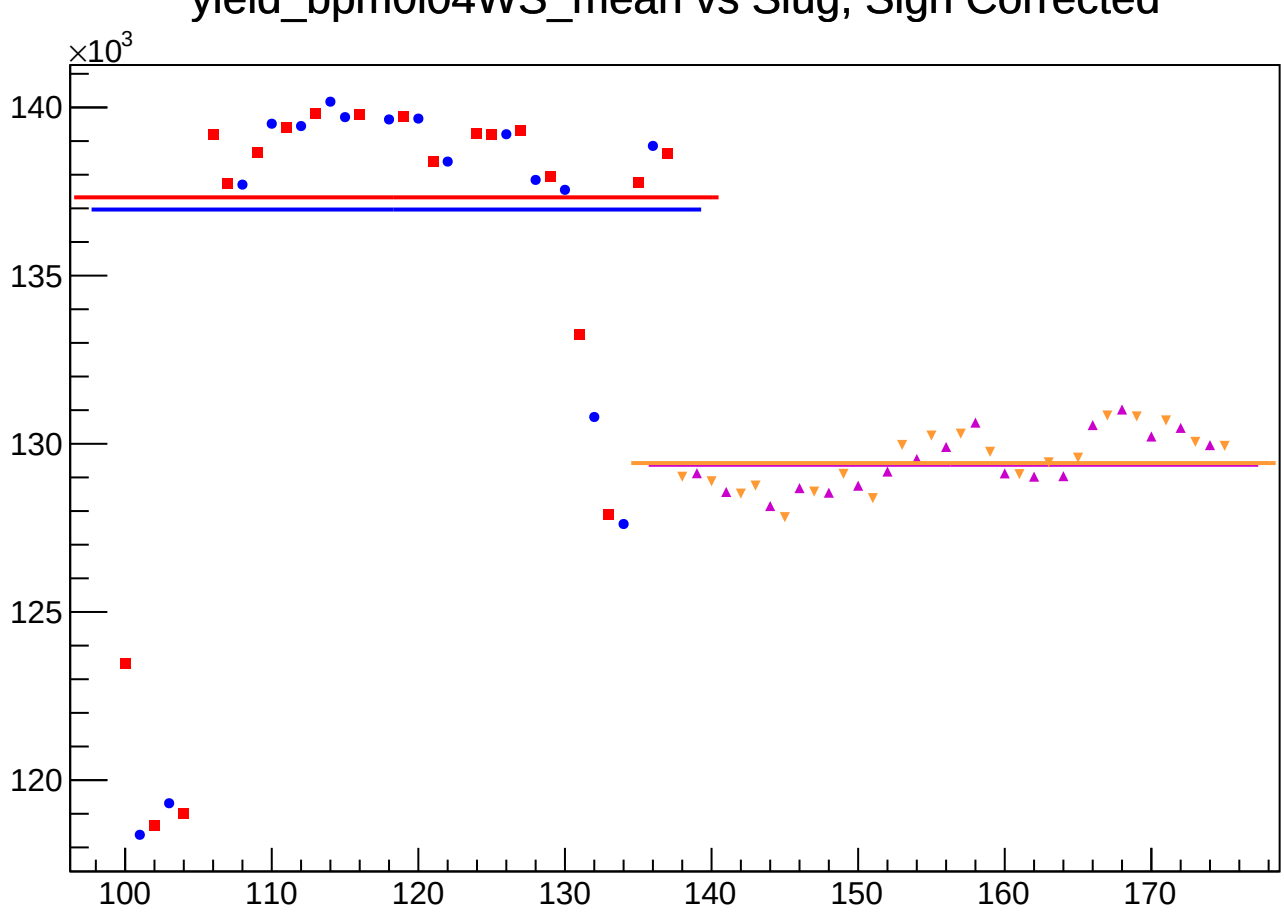
Left: 563.935+/-0.077 χ^2/NDF: 1627815.2/37

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 496.765+/-0.082 χ^2/NDF:2660067.4/33

Out: 508.854+/-0.081 χ^2/NDF:2308274.5/38

All: 502.899+/-0.058 χ^2/NDF: 4979335.7/72



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129427.013+/-0.050 χ^2/NDF:276699696.7/19

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129375.702+/-0.052 χ^2/NDF:248899558.9/17

Left: 129402.153+/-0.036 χ^2/NDF: 526101487.6/37

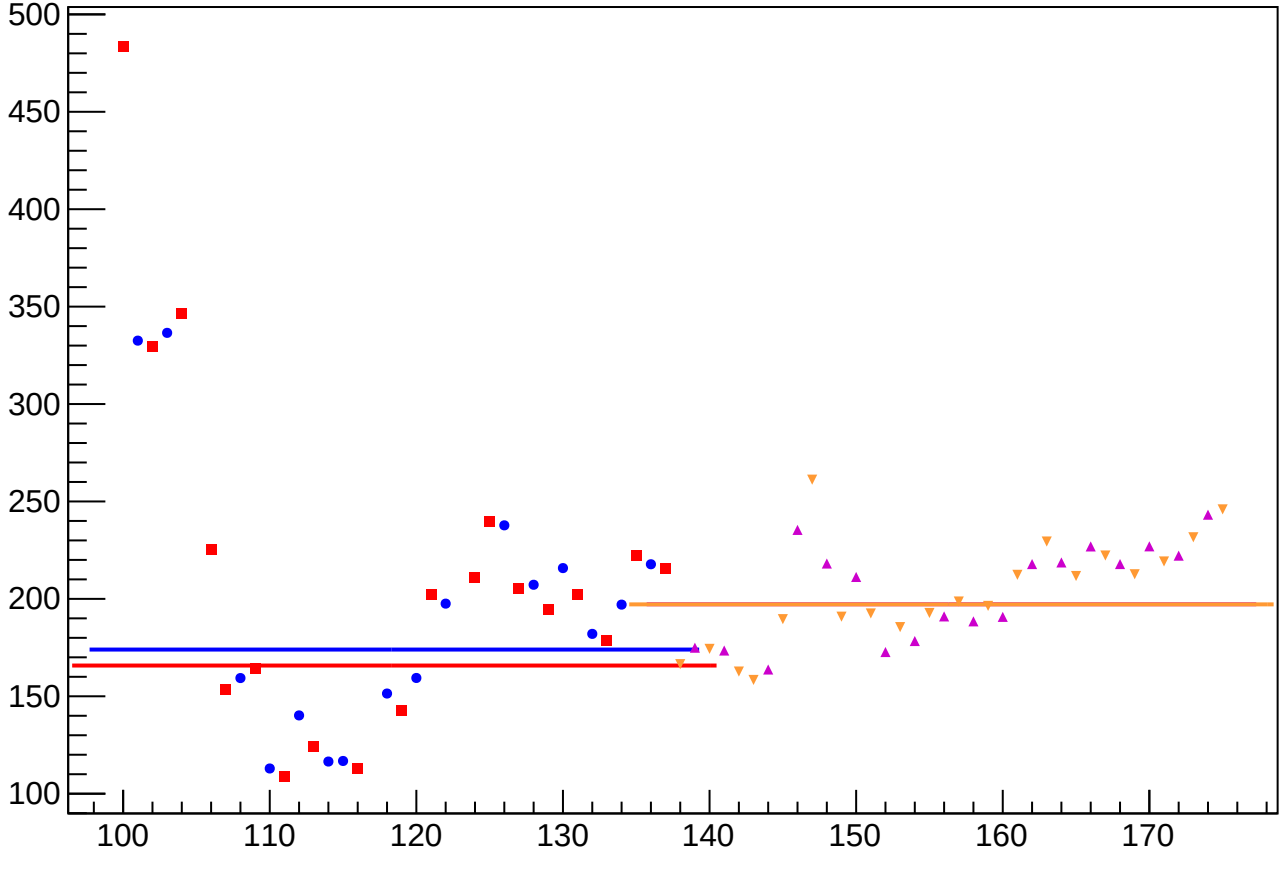
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 132086.950+/-0.042 χ^2/NDF:13671068264.3/3

Out: 132357.671+/-0.040 χ^2/NDF:15130531330.7

All: 132227.961+/-0.029 χ^2/NDF: 28823578

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 197.175+/-0.036 χ^2/NDF:515317.2/19

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 197.239+/-0.037 χ^2/NDF:431713.8/17

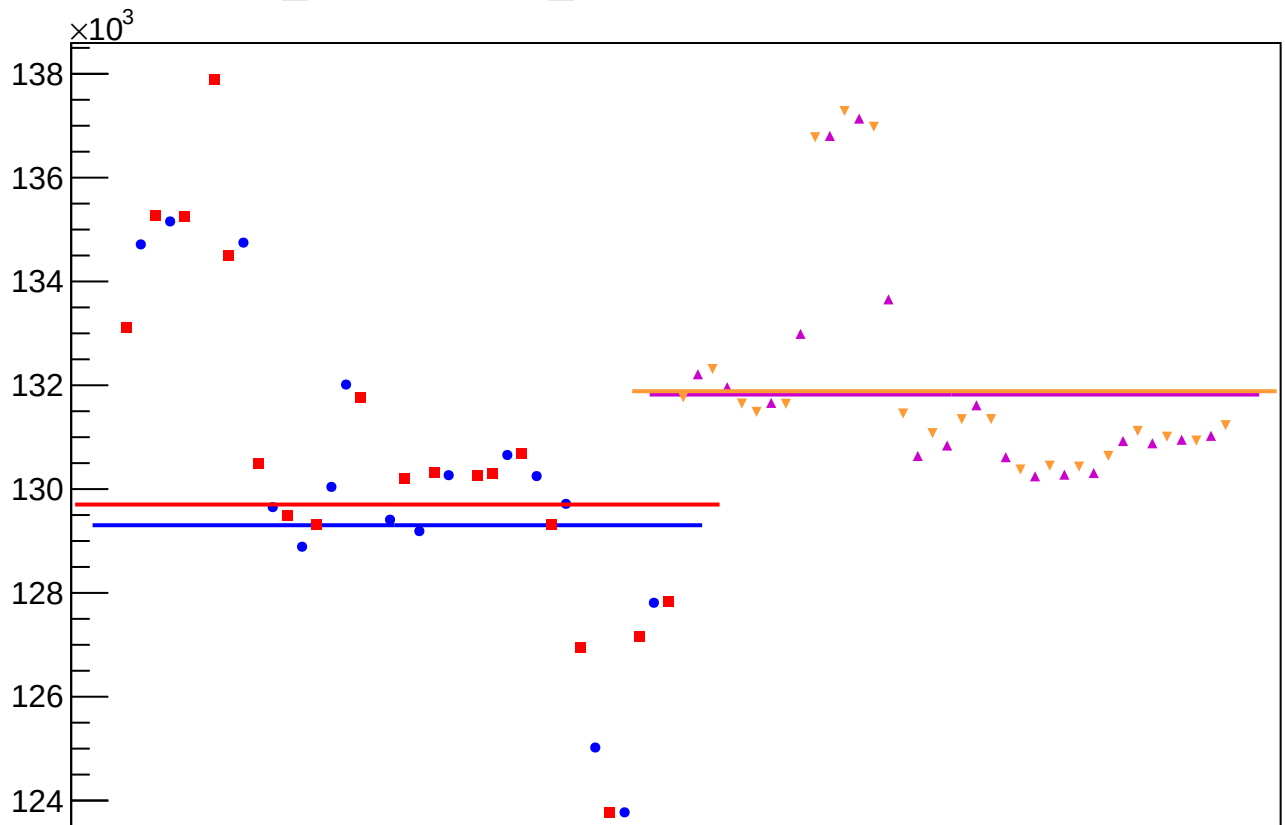
Left: 197.206+/-0.026 χ^2/NDF: 947032.6/37

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 188.930+/-0.029 χ^2/NDF:1763224.5/33

Out: 185.529+/-0.028 χ^2/NDF:2236381.7/38

All: 187.159+/-0.020 χ^2/NDF: 4006544.5/72



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131885.685+/-0.050 χ^2/NDF:1349418976.8/19

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131821.639+/-0.052 χ^2/NDF:1090587229.8/17

Left: 131854.589+/-0.036 χ^2/NDF: 2440791002.5/3

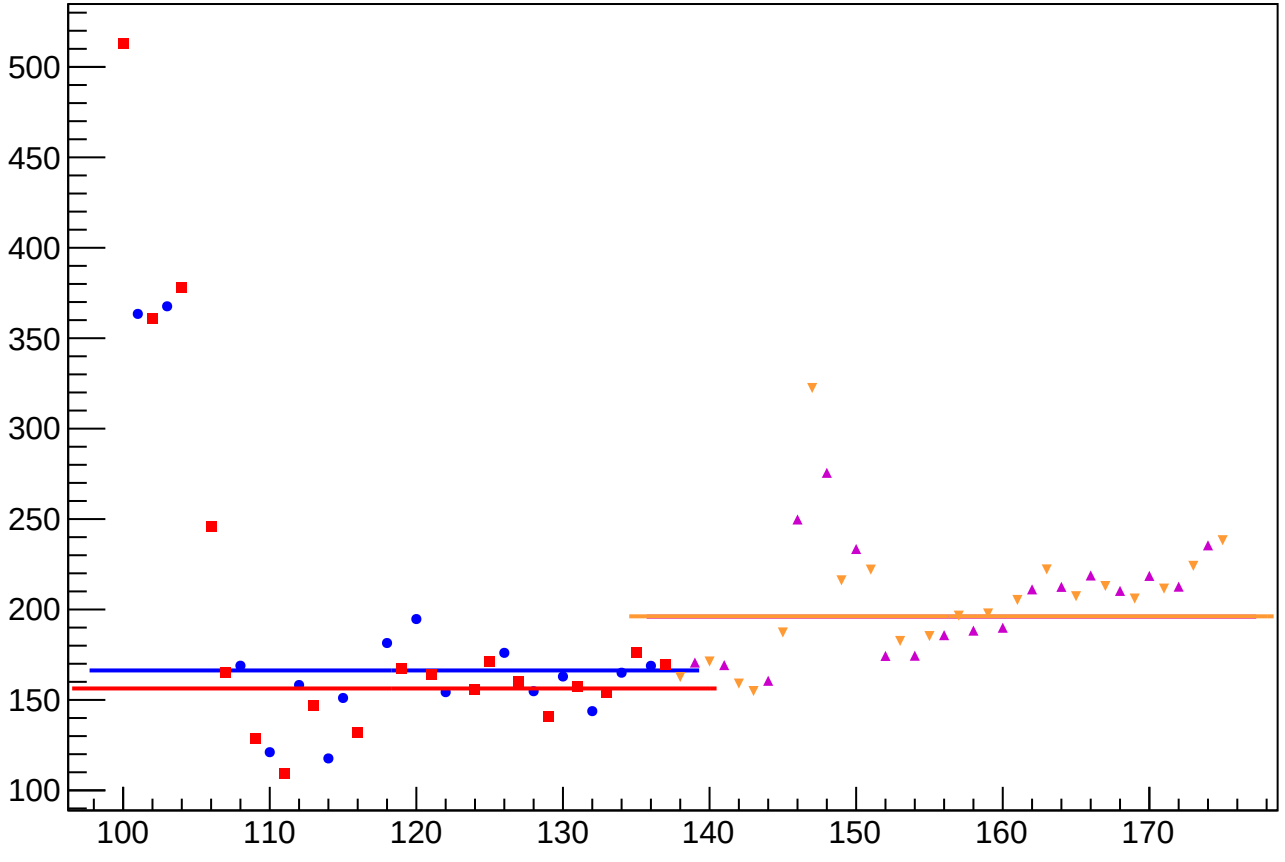
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130864.272+/-0.041 χ^2/NDF:3637244648.1/33

Out: 131009.813+/-0.039 χ^2/NDF:3880640779.7/3

All: 130940.398+/-0.028 χ^2/NDF: 75245389

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 196.228+/-0.036 χ^2/NDF:688064.6/19

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 196.050+/-0.037 χ^2/NDF:598321.1/17

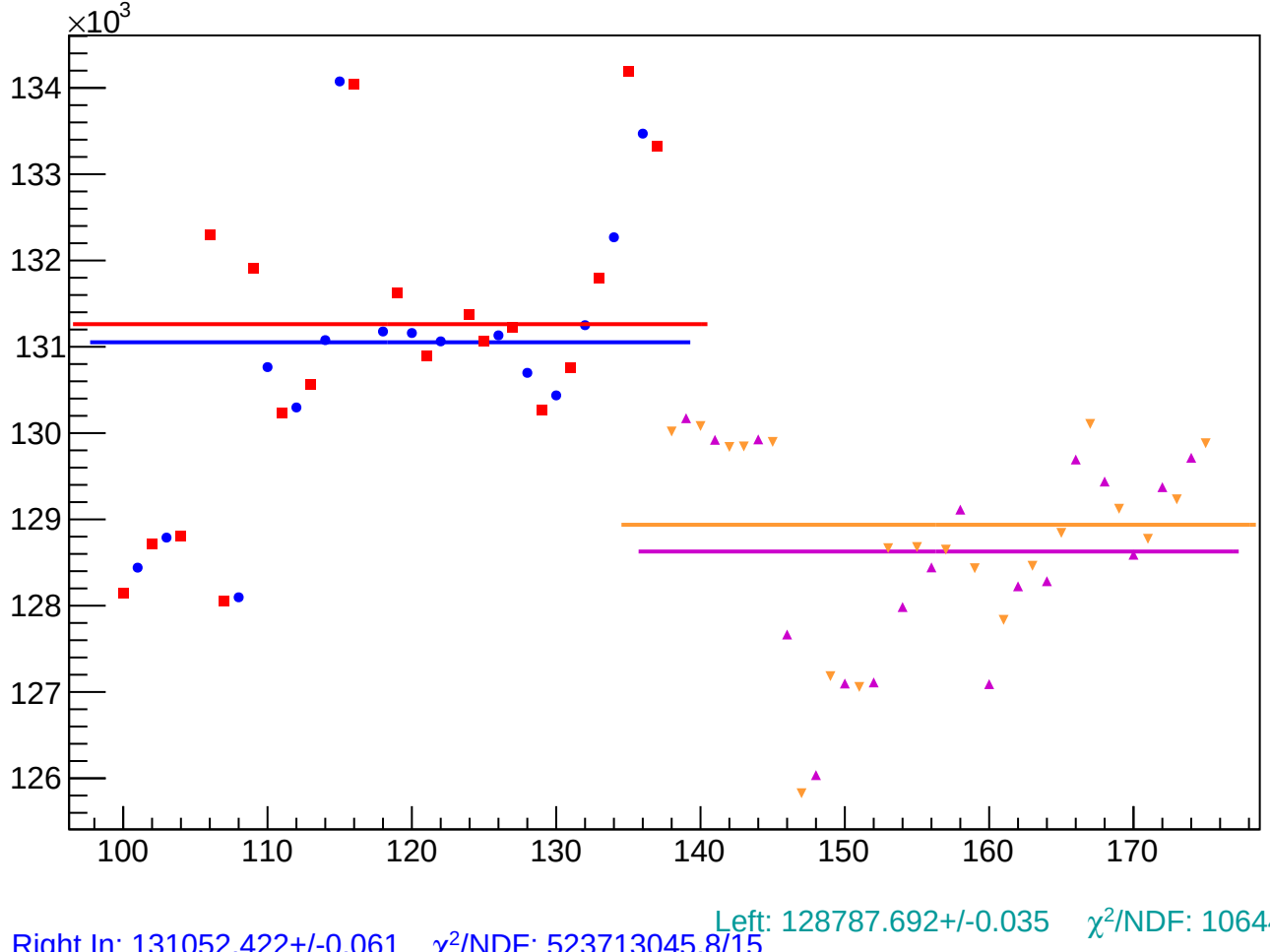
Left: 196.142+/-0.026 χ^2/NDF: 1286397.8/37

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 184.739+/-0.029 χ^2/NDF:1786550.6/33

Out: 180.222+/-0.028 χ^2/NDF:2364127.8/38

All: 182.376+/-0.020 χ^2/NDF: 4163483.0/72



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128937.736+/-0.049 χ^2/NDF:478697055.6/19

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128627.762+/-0.050 χ^2/NDF:566136918.3/17

Left: 128787.692+/-0.035 χ^2/NDF: 1064469627.4/3

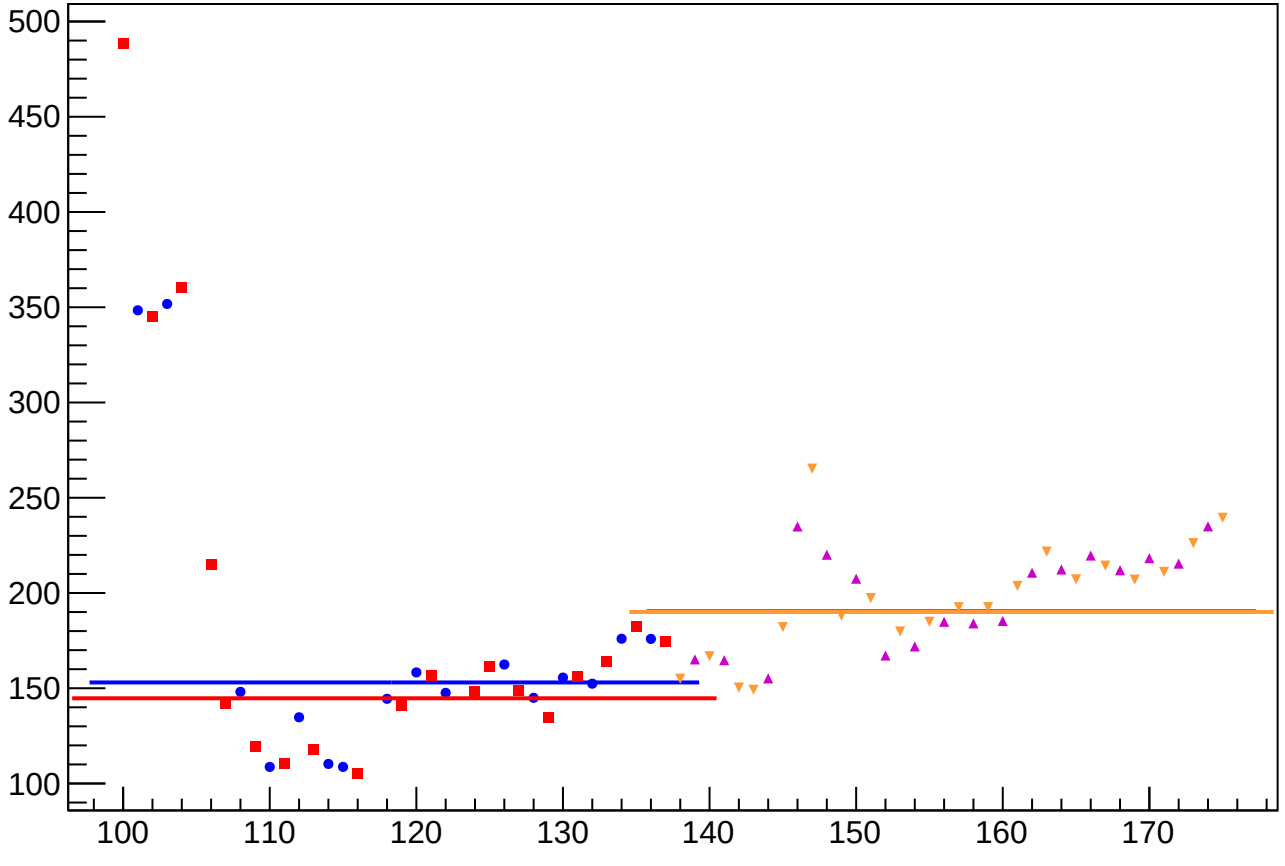
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129614.795+/-0.039 χ^2/NDF:2037773203.4/33

Out: 129924.547+/-0.037 χ^2/NDF:2051400162.9/3

All: 129776.920+/-0.027 χ^2/NDF: 41227206

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 190.046+/-0.034 χ^2/NDF:639499.1/19

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 190.445+/-0.036 χ^2/NDF:508154.4/17

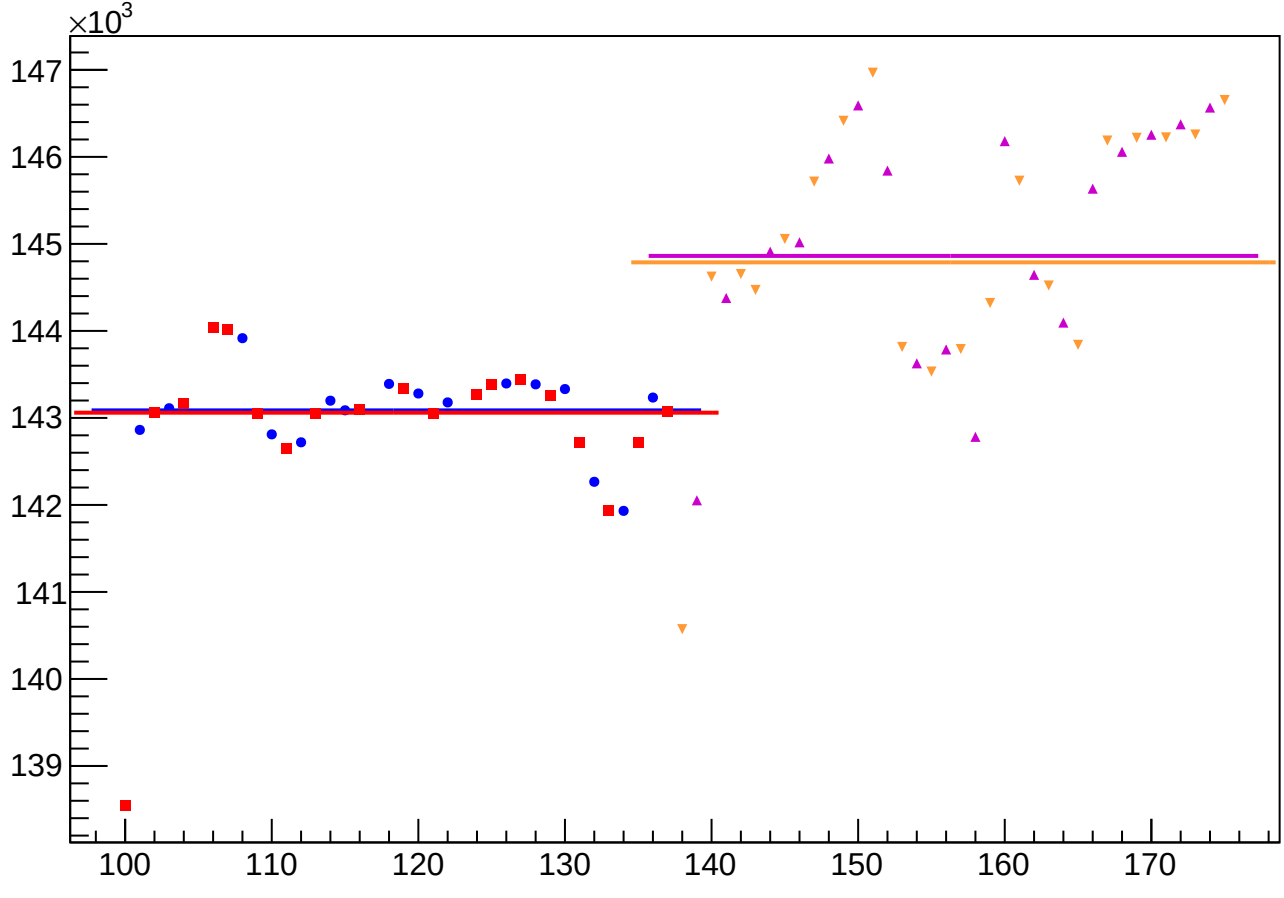
Left: 190.239+/-0.025 χ^2/NDF: 1147718.8/37

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 175.219+/-0.027 χ^2/NDF:2018762.5/33

Out: 170.808+/-0.026 χ^2/NDF:2638997.2/38

All: 172.911+/-0.019 χ^2/NDF: 4671367.1/72



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144787.764+/-0.056 χ^2/NDF:792494575.3/19

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144861.884+/-0.057 χ^2/NDF:580108311.0/17

Left: 144823.886+/-0.040 χ^2/NDF: 1373456657.9/3

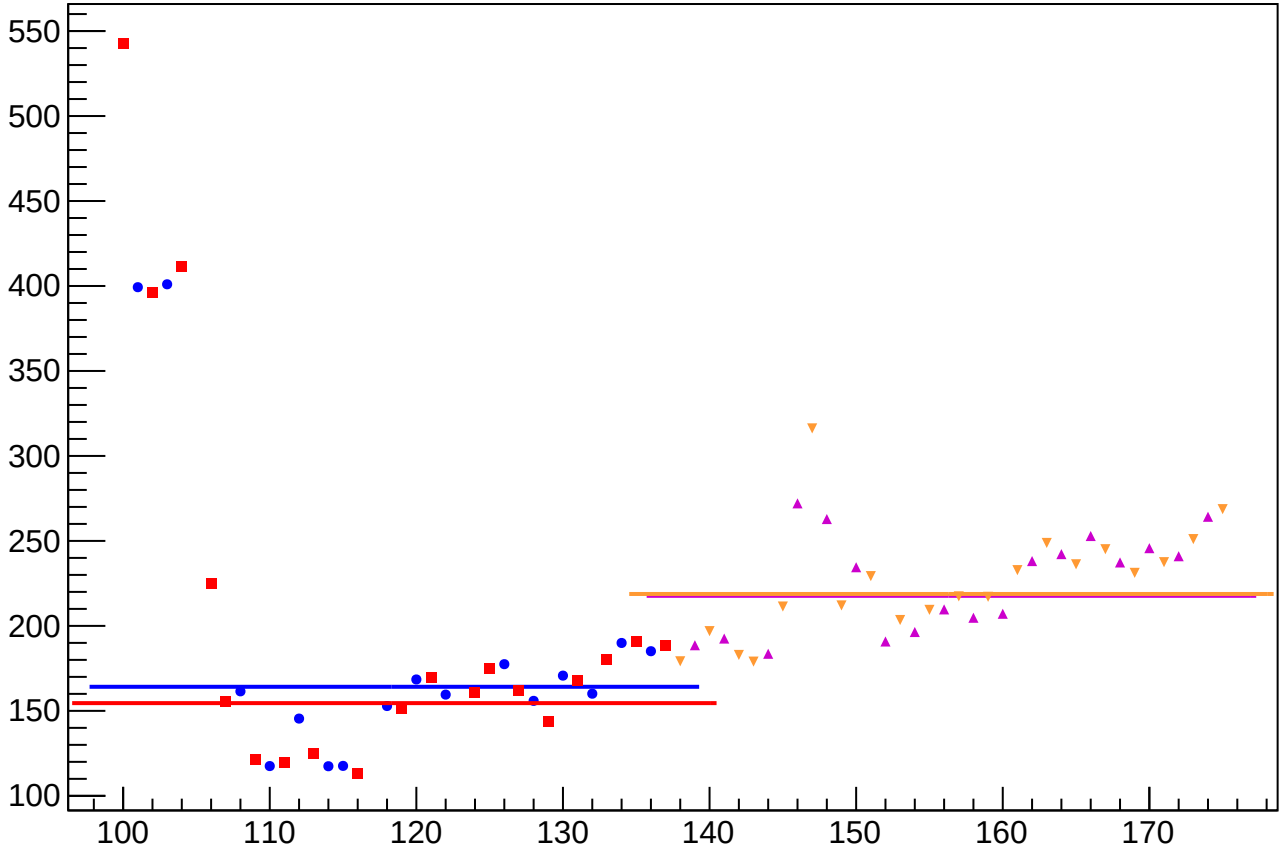
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144084.579+/-0.043 χ^2/NDF:1045178611.7/33

Out: 143992.854+/-0.041 χ^2/NDF:1282102590.1/3

All: 144036.627+/-0.030 χ^2/NDF: 23296528

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 218.776+/-0.040 χ^2/NDF:530863.5/19

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 217.686+/-0.041 χ^2/NDF:469118.7/17

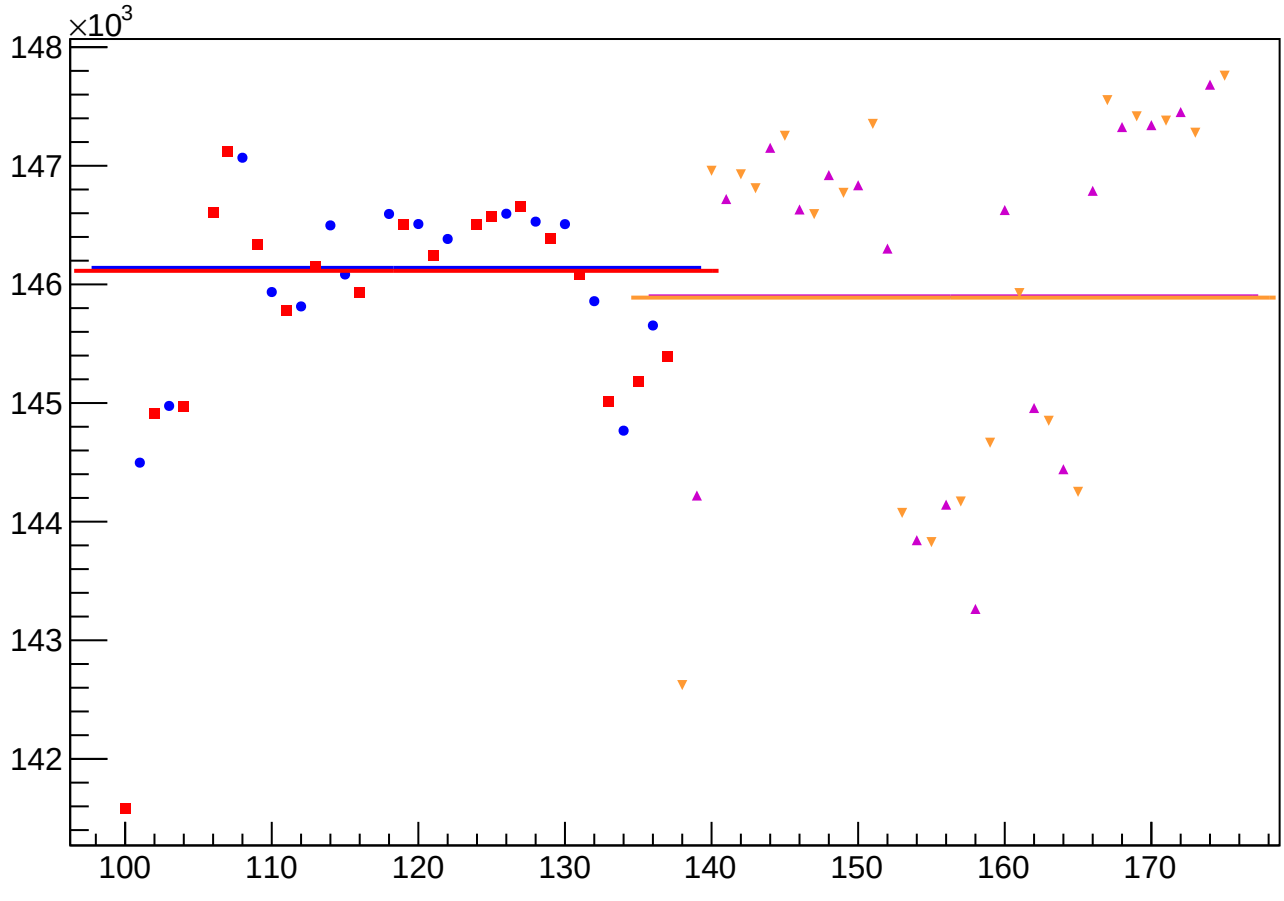
Left: 218.245+/-0.028 χ^2/NDF: 1000351.7/37

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 194.254+/-0.030 χ^2/NDF:2359183.9/33

Out: 189.226+/-0.029 χ^2/NDF:3107951.1/38

All: 191.625+/-0.021 χ^2/NDF: 5481388.9/72



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145888.687+/-0.056 χ^2/NDF:822997346.7/19

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145899.153+/-0.057 χ^2/NDF:637544481.4/17

Left: 145893.763+/-0.040 χ^2/NDF: 1460558939.7/3

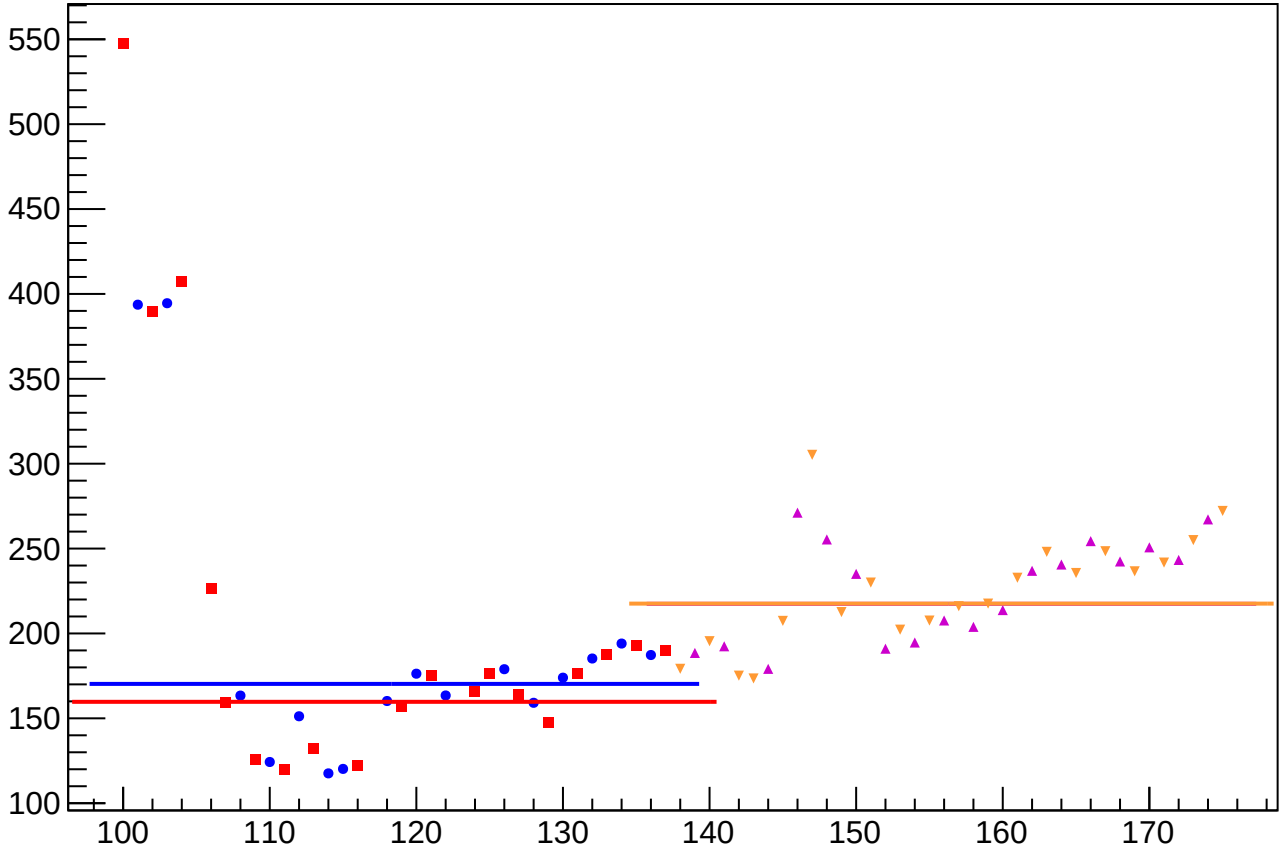
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146000.126+/-0.044 χ^2/NDF:716620139.7/33

Out: 145988.692+/-0.042 χ^2/NDF:903373065.0/38

All: 145994.125+/-0.030 χ^2/NDF: 162002912

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 217.579+/-0.039 χ^2/NDF:589647.9/19

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 217.440+/-0.041 χ^2/NDF:498878.1/17

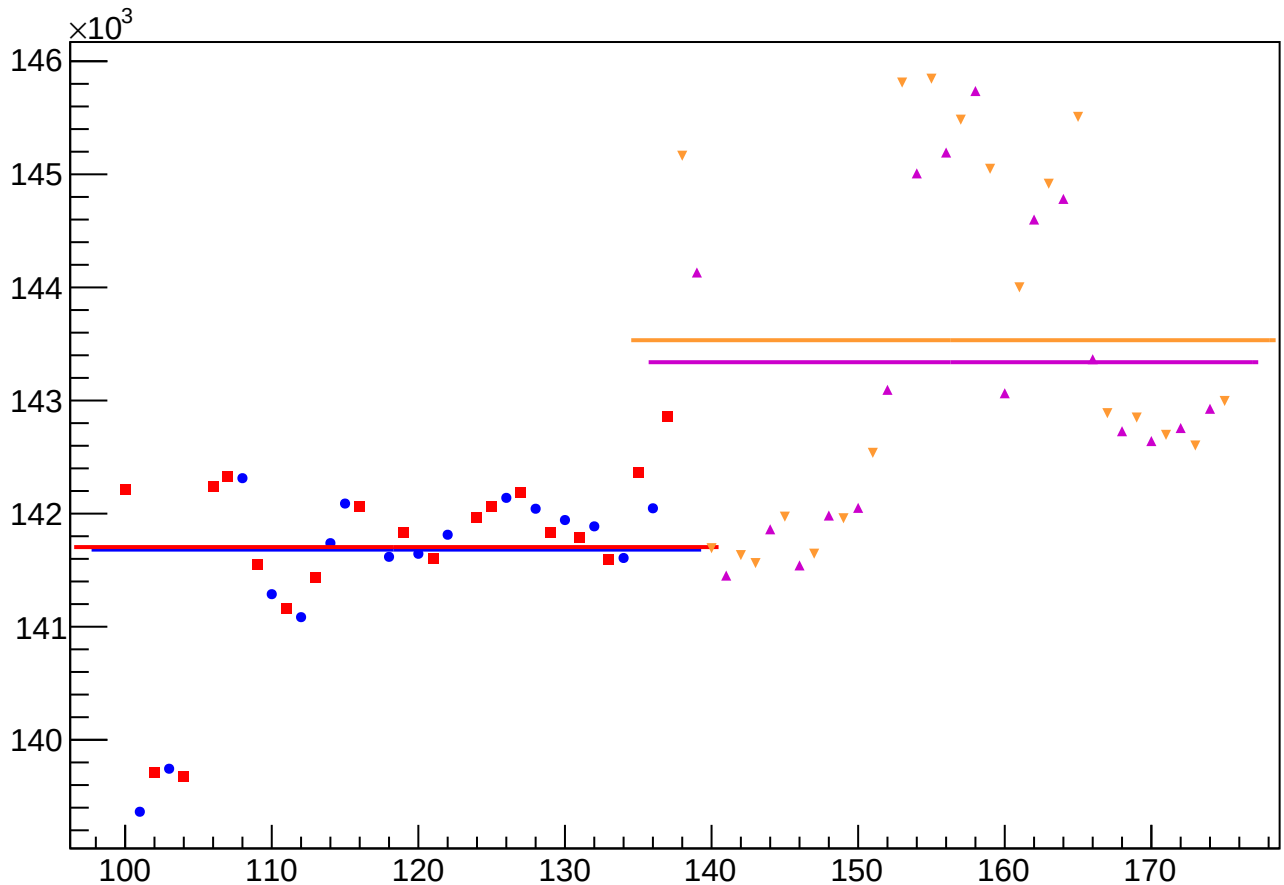
Left: 217.512+/-0.028 χ^2/NDF: 1088532.0/37

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 197.605+/-0.031 χ^2/NDF:2124039.9/33

Out: 191.952+/-0.029 χ^2/NDF:2836203.4/38

All: 194.638+/-0.021 χ^2/NDF: 4977807.0/72



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143533.254+/-0.058 χ^2/NDF:738823540.7/19

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143338.771+/-0.059 χ^2/NDF:509902067.1/17

Left: 143438.057+/-0.041 χ^2/NDF: 1254237553.1/3

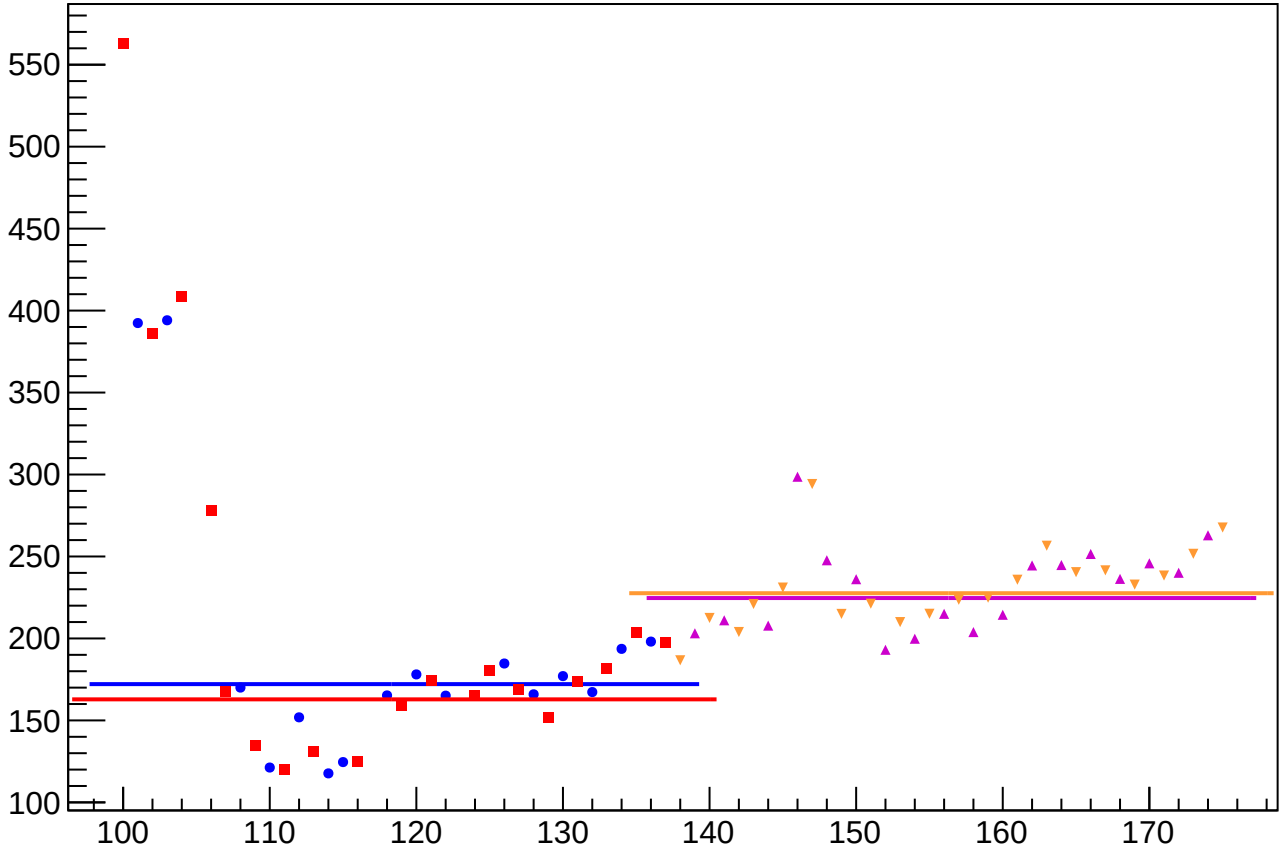
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142627.778+/-0.045 χ^2/NDF:910478218.3/33

Out: 142706.213+/-0.043 χ^2/NDF:1254706077.6/3

All: 142668.628+/-0.031 χ^2/NDF: 216678633

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 227.595+/-0.041 χ^2/NDF:291222.5/19

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.644+/-0.042 χ^2/NDF:348227.2/17

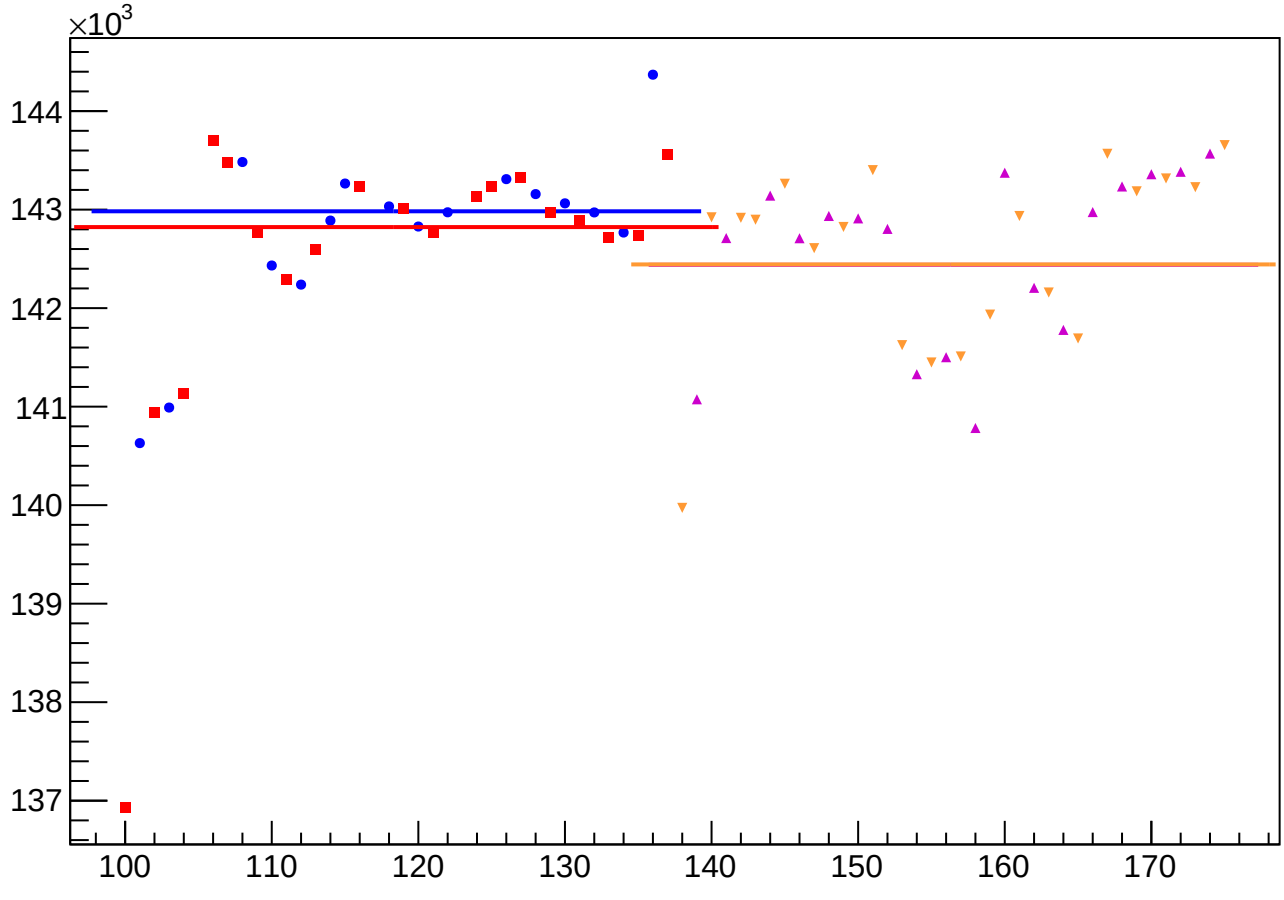
Left: 226.151+/-0.029 χ^2/NDF: 641988.5/37

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 202.114+/-0.032 χ^2/NDF:2092171.0/33

Out: 198.317+/-0.030 χ^2/NDF:2725872.9/38

All: 200.137+/-0.022 χ^2/NDF: 4825550.6/72



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142443.721+/-0.055 χ^2/NDF:325909979.4/19

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142439.561+/-0.056 χ^2/NDF:254341171.2/17

Left: 142441.702+/-0.039 χ^2/NDF: 580253971.1/37

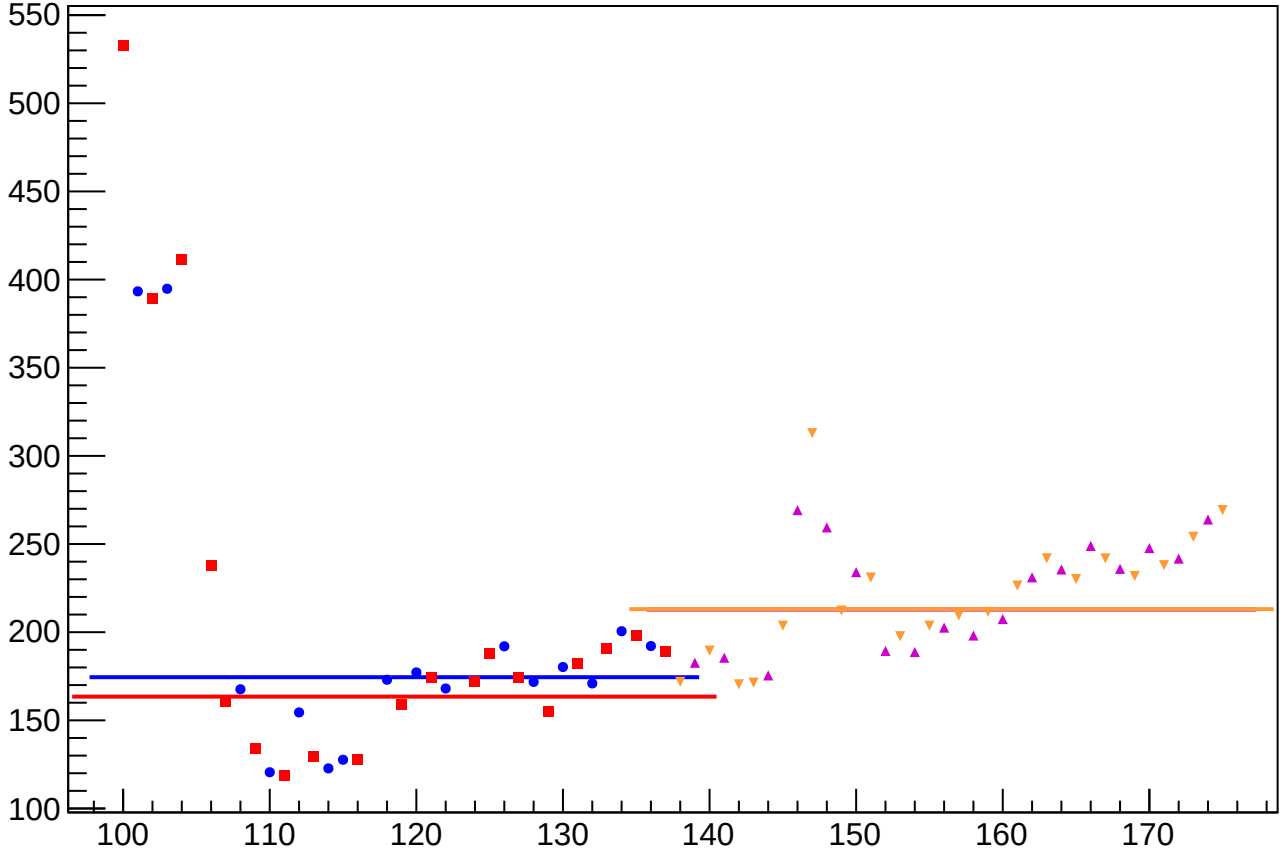
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142655.882+/-0.044 χ^2/NDF:399257772.3/33

Out: 142603.193+/-0.042 χ^2/NDF:409784488.5/38

All: 142628.258+/-0.030 χ^2/NDF: 809807800

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 213.084+/-0.039 χ^2/NDF:652767.6/19

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 212.819+/-0.040 χ^2/NDF:554528.0/17

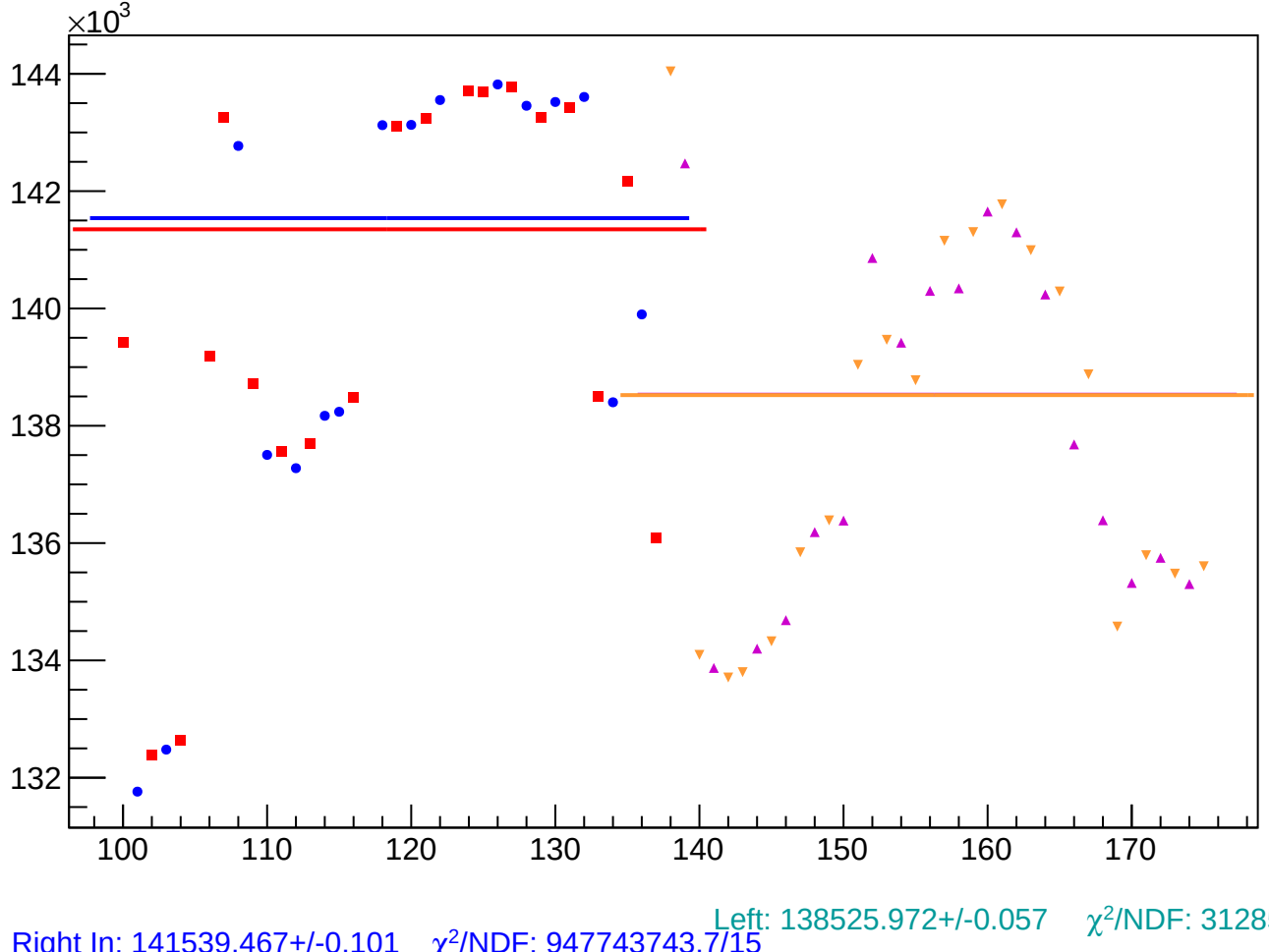
Left: 212.955+/-0.028 χ^2/NDF: 1207318.5/37

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 197.553+/-0.031 χ^2/NDF:1974396.5/33

Out: 192.199+/-0.029 χ^2/NDF:2631362.8/38

All: 194.746+/-0.021 χ^2/NDF: 4621567.4/72



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138522.781+/-0.079 χ^2/NDF:1786714469.8/19

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138529.350+/-0.081 χ^2/NDF:1341805684.0/17

Left: 138525.972+/-0.057 χ^2/NDF: 3128523495.3/3

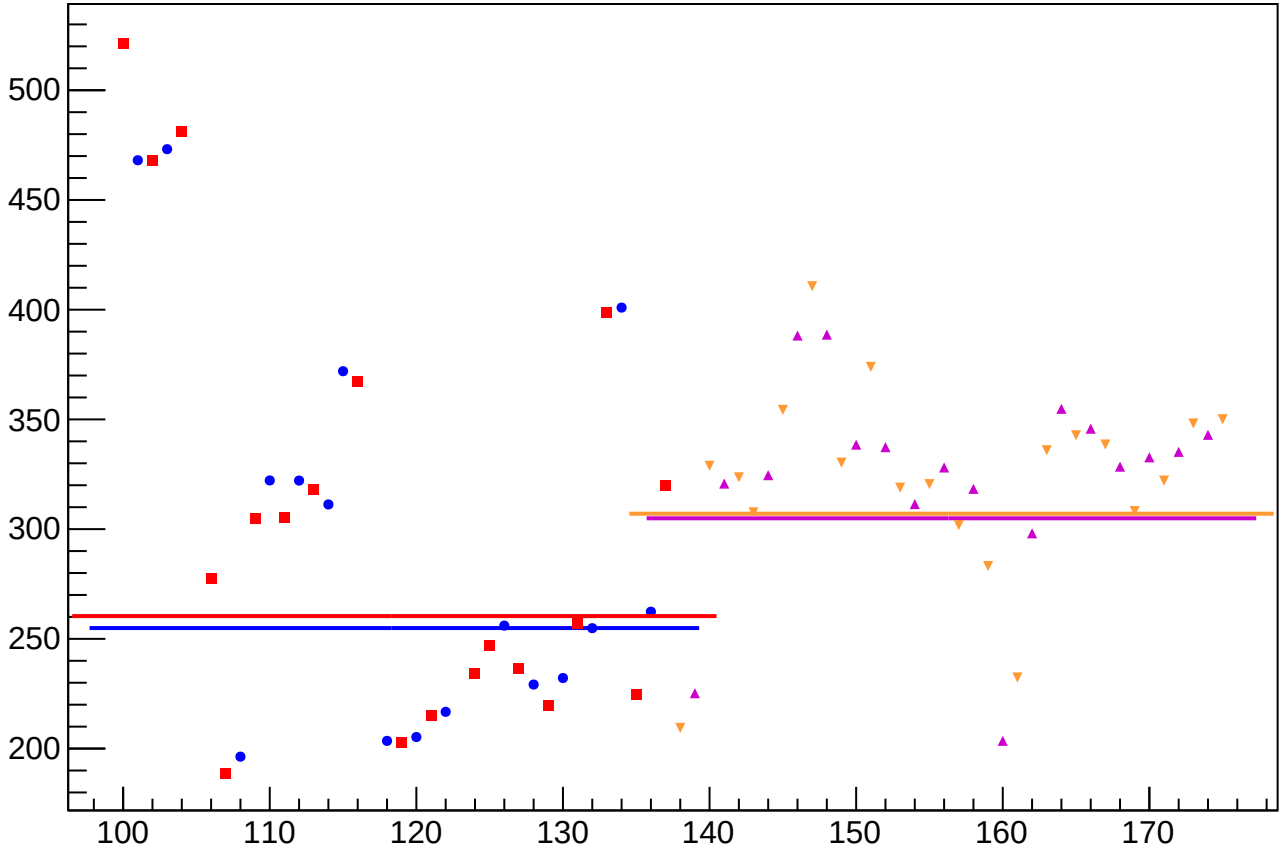
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139718.848+/-0.063 χ^2/NDF:2828799443.6/33

Out: 139598.271+/-0.062 χ^2/NDF:3198118800.2/3

All: 139657.563+/-0.044 χ^2/NDF: 60287582

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.032+/-0.056 χ^2/NDF:802244.1/19

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.939+/-0.058 χ^2/NDF:909570.3/17

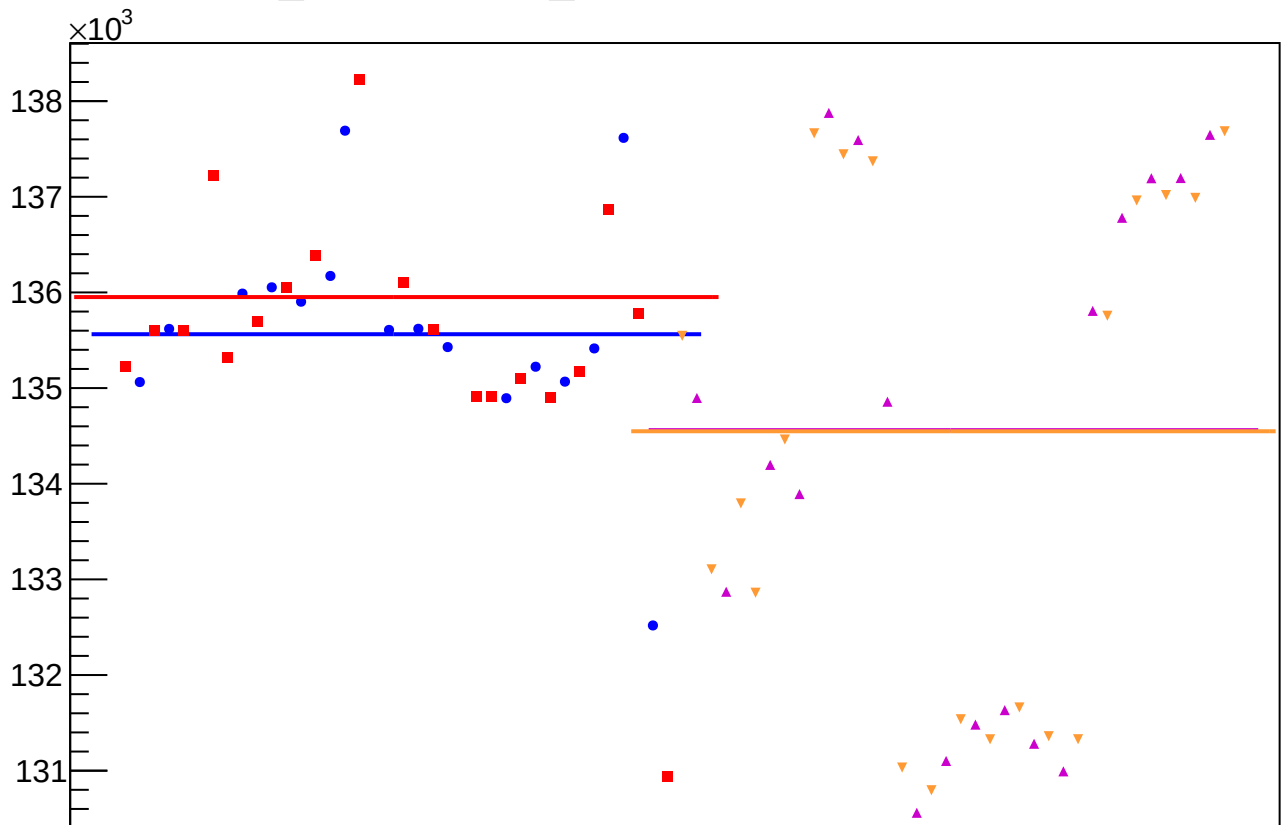
Left: 306.015+/-0.040 χ^2/NDF: 1712493.2/37

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

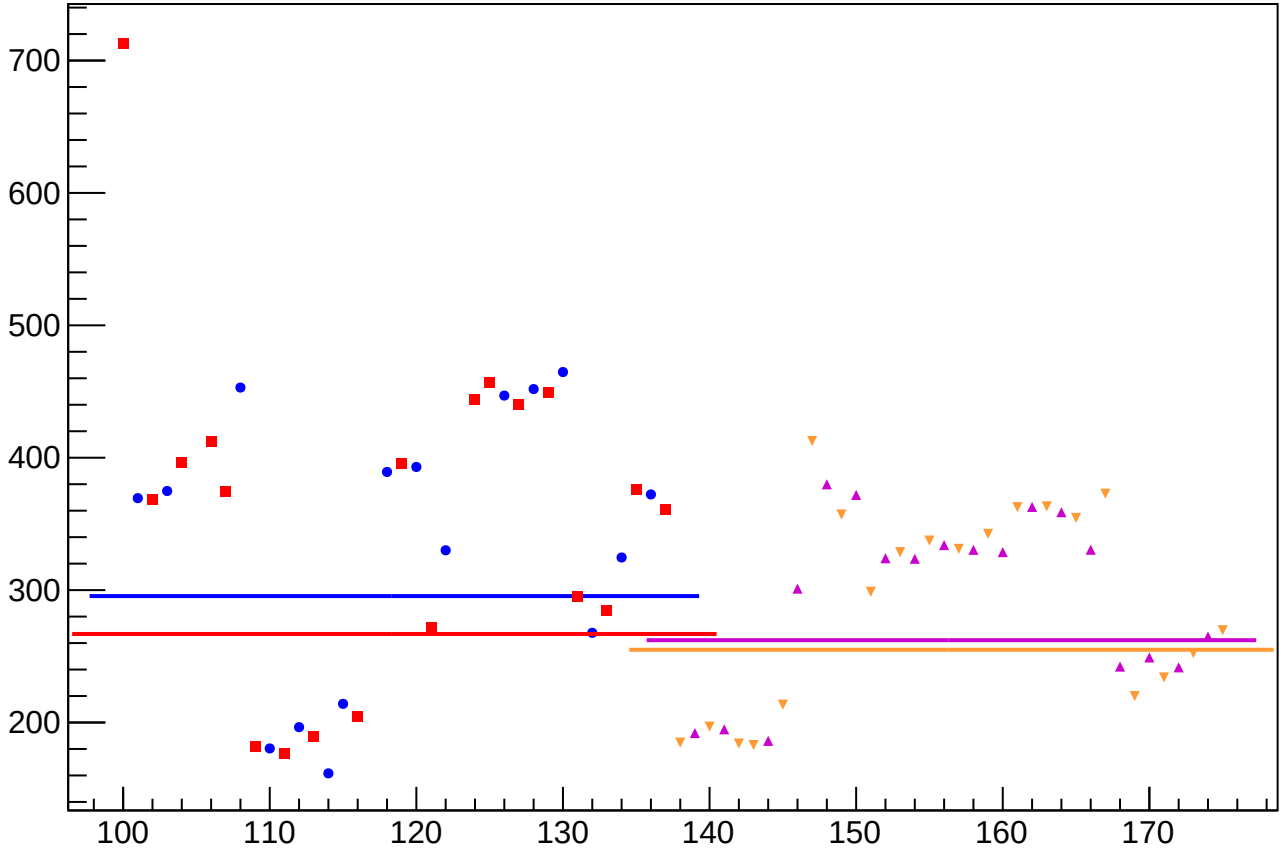
In: 285.173+/-0.045 χ^2/NDF:2157329.1/33

Out: 289.278+/-0.044 χ^2/NDF:2059742.9/38

All: 287.259+/-0.031 χ^2/NDF: 4221337.6/72


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
110
120
130
140
150
160
170
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 134548.565+/-0.067 χ²/NDF:1188006232.0/19
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 134560.378+/-0.071 χ²/NDF:1059083081.5/17
Left: 134554.155+/-0.049 χ²/NDF: 2247103964.0/3
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134824.816+/-0.061 χ²/NDF:1206096905.7/33
Out: 134948.333+/-0.057 χ²/NDF:1404004547.1/3
All: 134890.780+/-0.041 χ²/NDF: 261230696

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.953+/-0.047 χ^2/NDF:2168126.4/19

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 262.180+/-0.050 χ^2/NDF:1682935.9/17

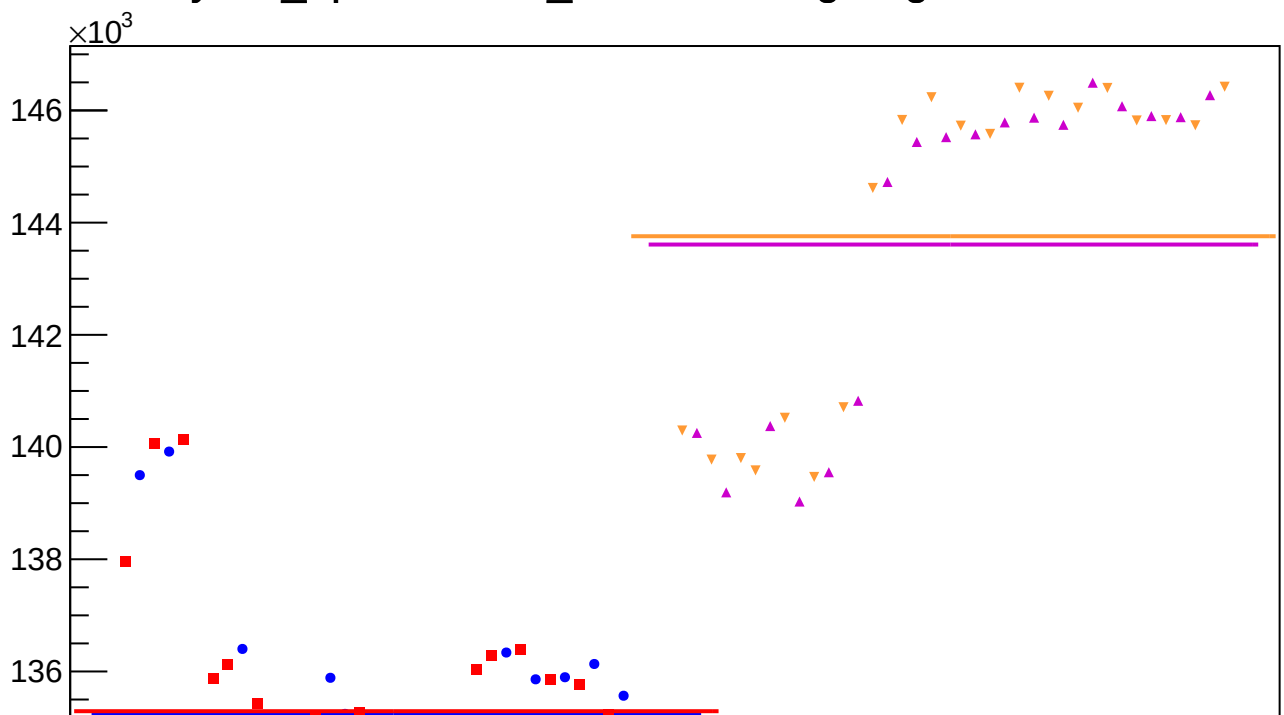
Left: 258.373+/-0.034 χ^2/NDF: 3862029.4/37

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 270.963+/-0.043 χ^2/NDF:3242048.4/33

Out: 258.347+/-0.040 χ^2/NDF:3864137.4/38

All: 264.225+/-0.029 χ^2/NDF: 7152201.4/72



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143757.632+/-0.051 χ^2/NDF:3091021113.0/19

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143609.595+/-0.054 χ^2/NDF:2714909595.8/17

Left: 143687.752+/-0.037 χ^2/NDF: 5809889372.1/3

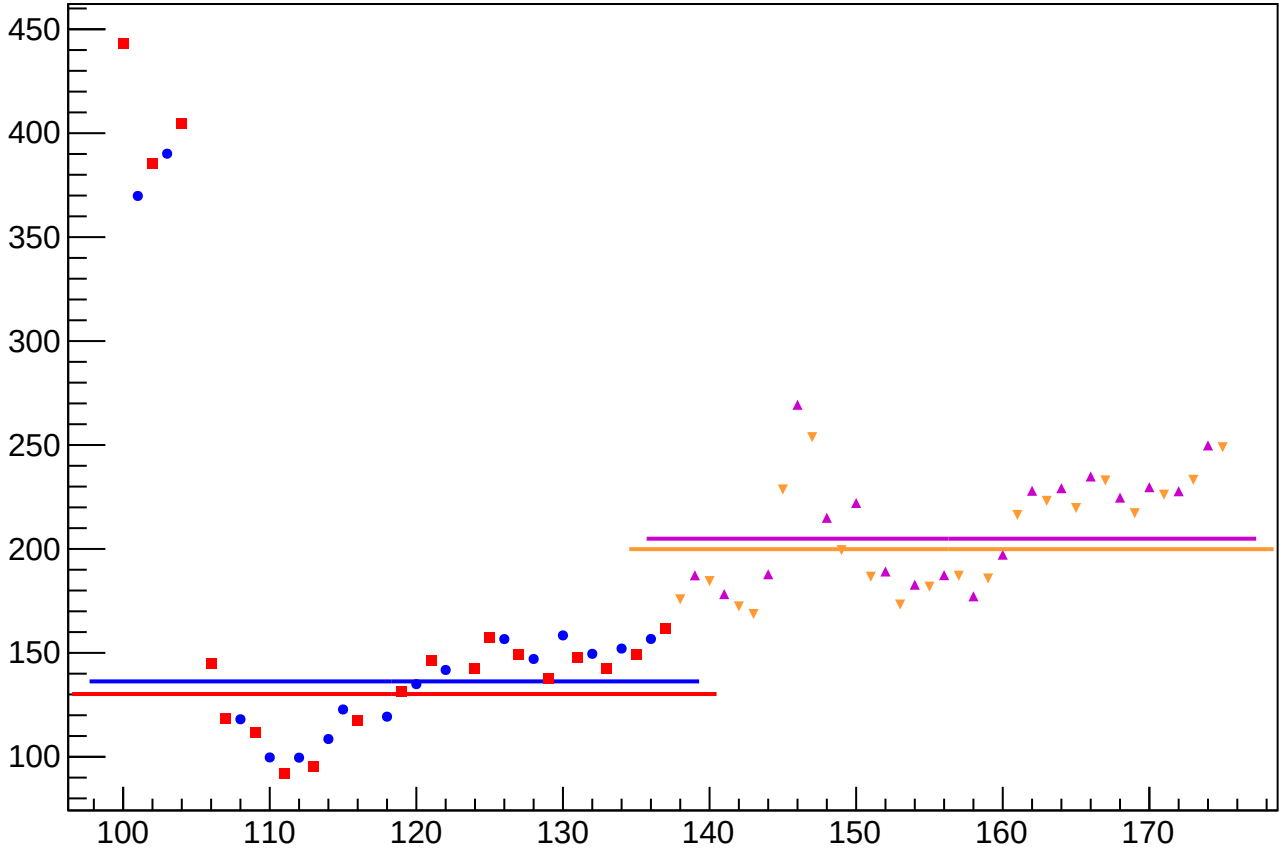
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139478.621+/-0.038 χ^2/NDF:14923908678.2/3

Out: 139576.597+/-0.036 χ^2/NDF:17017603031.7

All: 139530.345+/-0.026 χ^2/NDF: 31944937

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 199.894+/-0.036 χ^2/NDF:489621.9/19

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 204.927+/-0.038 χ^2/NDF:425390.5/17

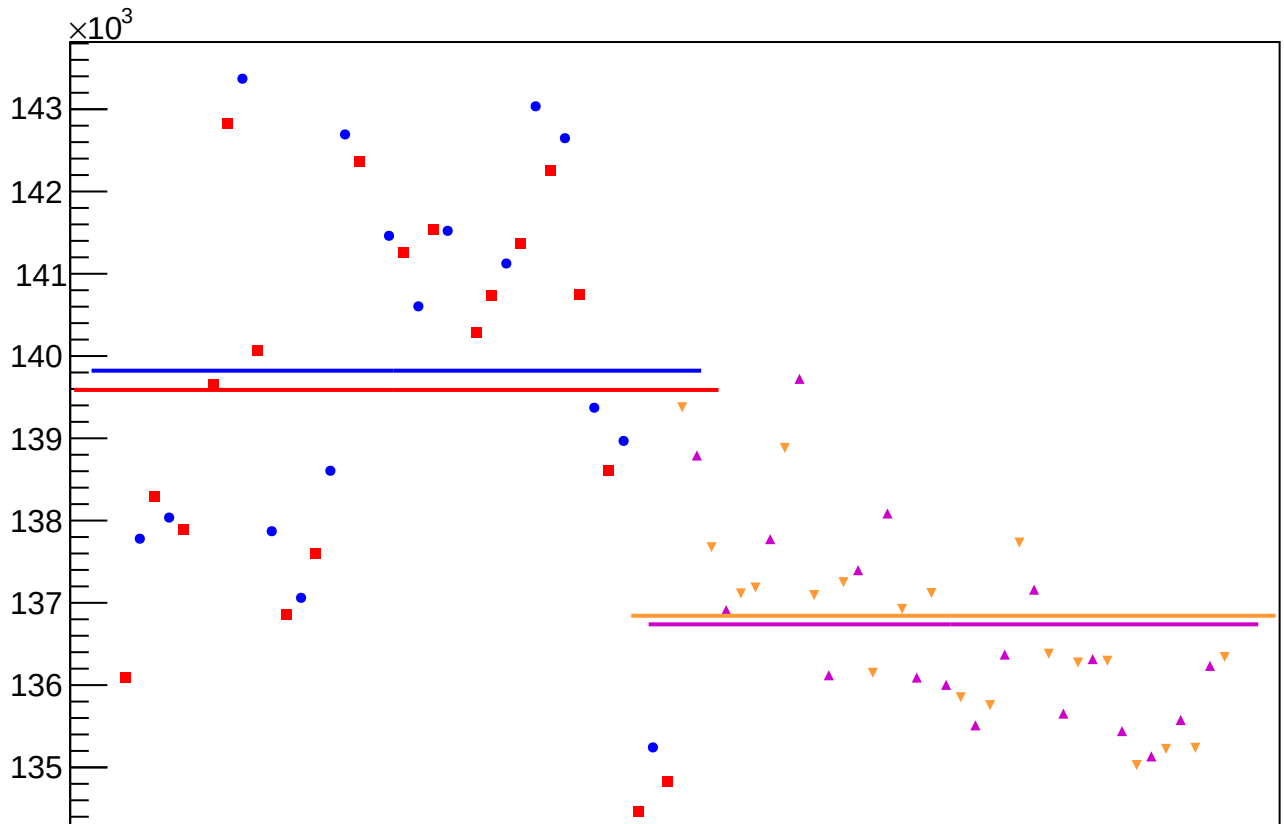
Left: 202.270+/-0.026 χ^2/NDF: 924163.3/37

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 171.022+/-0.027 χ^2/NDF:3402004.9/33

Out: 165.477+/-0.026 χ^2/NDF:3846118.9/38

All: 168.095+/-0.019 χ^2/NDF: 7270074.1/72



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136842.994+/-0.052 χ^2/NDF:478078148.2/19

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 136738.779+/-0.055 χ^2/NDF:468362321.3/17

Left: 136792.981+/-0.038 χ^2/NDF: 948332786.2/37

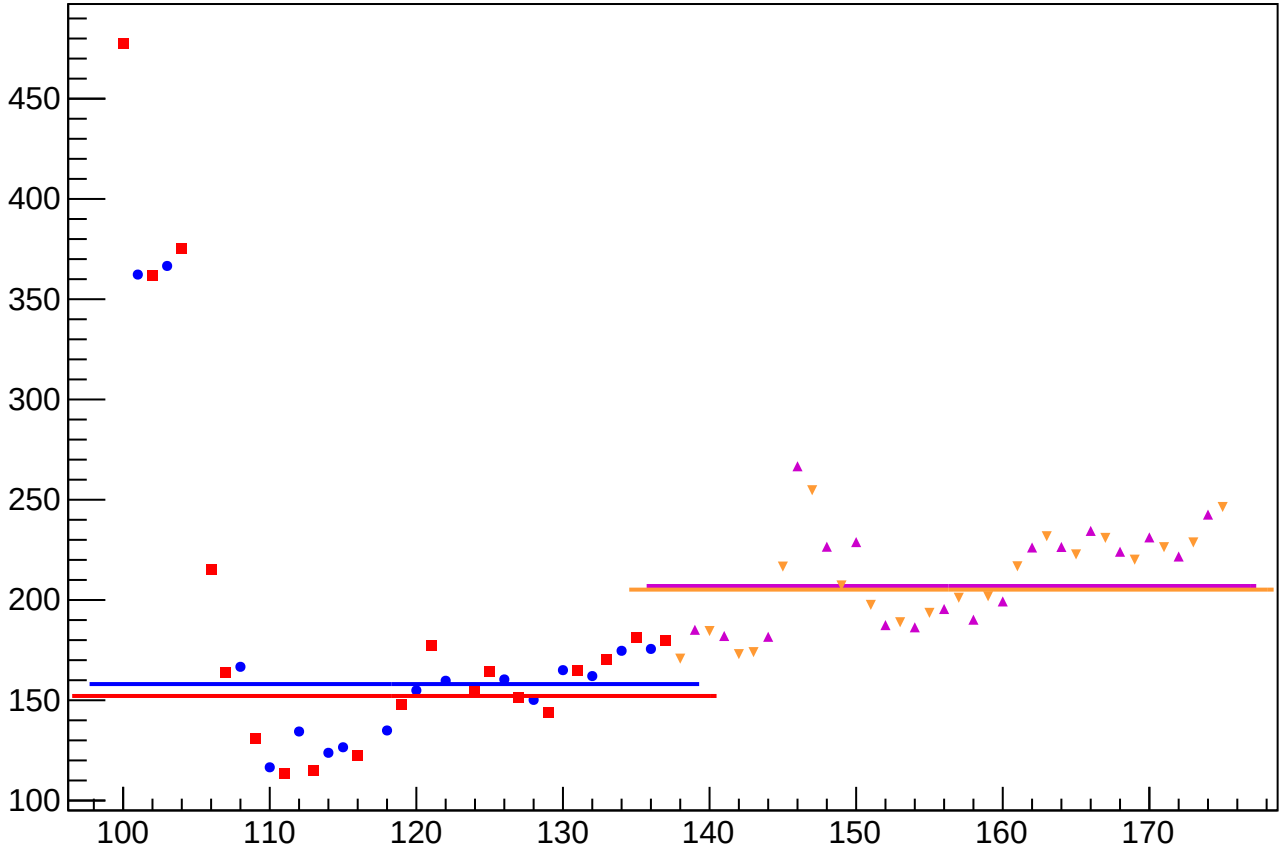
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138072.159+/-0.041 χ^2/NDF:3509006220.8/33

Out: 138038.949+/-0.039 χ^2/NDF:3152865325.8/3

All: 138054.838+/-0.028 χ^2/NDF: 66622110

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 205.177+/-0.037 χ^2/NDF:386884.0/19

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 206.981+/-0.039 χ^2/NDF:371575.4/17

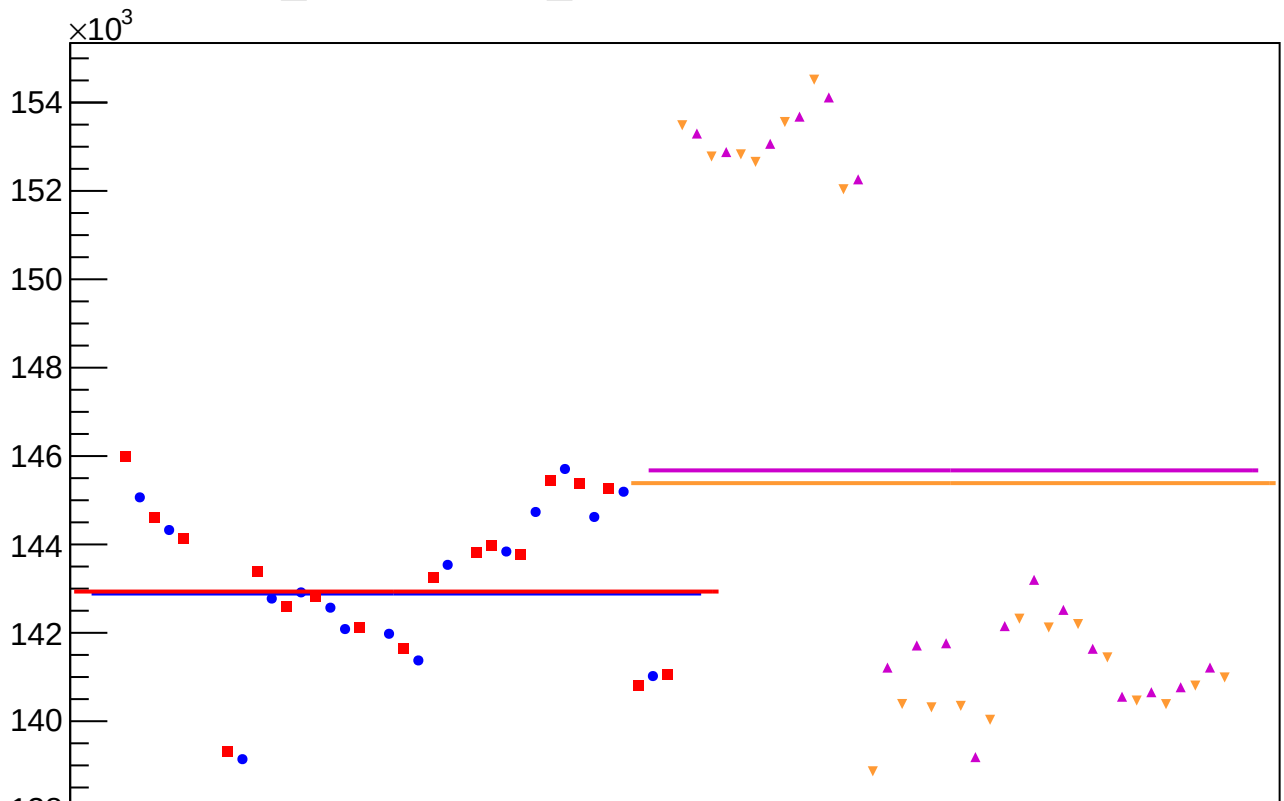
Left: 206.042+/-0.027 χ^2/NDF: 759593.2/37

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 185.833+/-0.029 χ^2/NDF:2082363.4/33

Out: 182.068+/-0.028 χ^2/NDF:2505916.0/38

All: 183.870+/-0.020 χ^2/NDF: 4597008.5/72



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145387.421+/-0.053 χ^2/NDF:12970816864.0/19

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145675.909+/-0.055 χ^2/NDF:10948718305.6/17

Left: 145525.660+/-0.038 χ^2/NDF: 23933651530.5

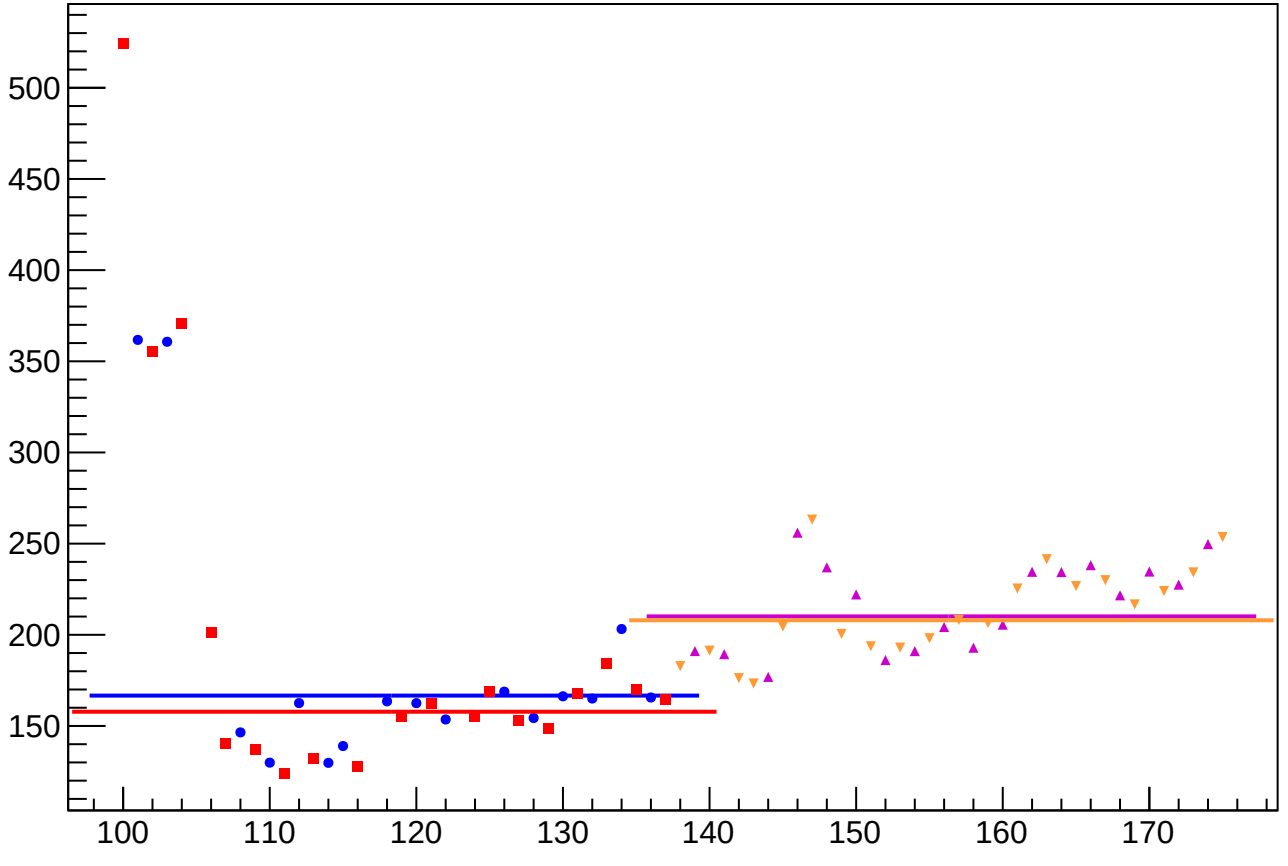
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144517.326+/-0.042 χ^2/NDF:12763430974.9/3

Out: 144339.081+/-0.040 χ^2/NDF:14668656819.2

All: 144423.609+/-0.029 χ^2/NDF: 27441399

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 207.965+/-0.038 χ^2/NDF:376827.7/19

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 210.102+/-0.039 χ^2/NDF:361487.6/17

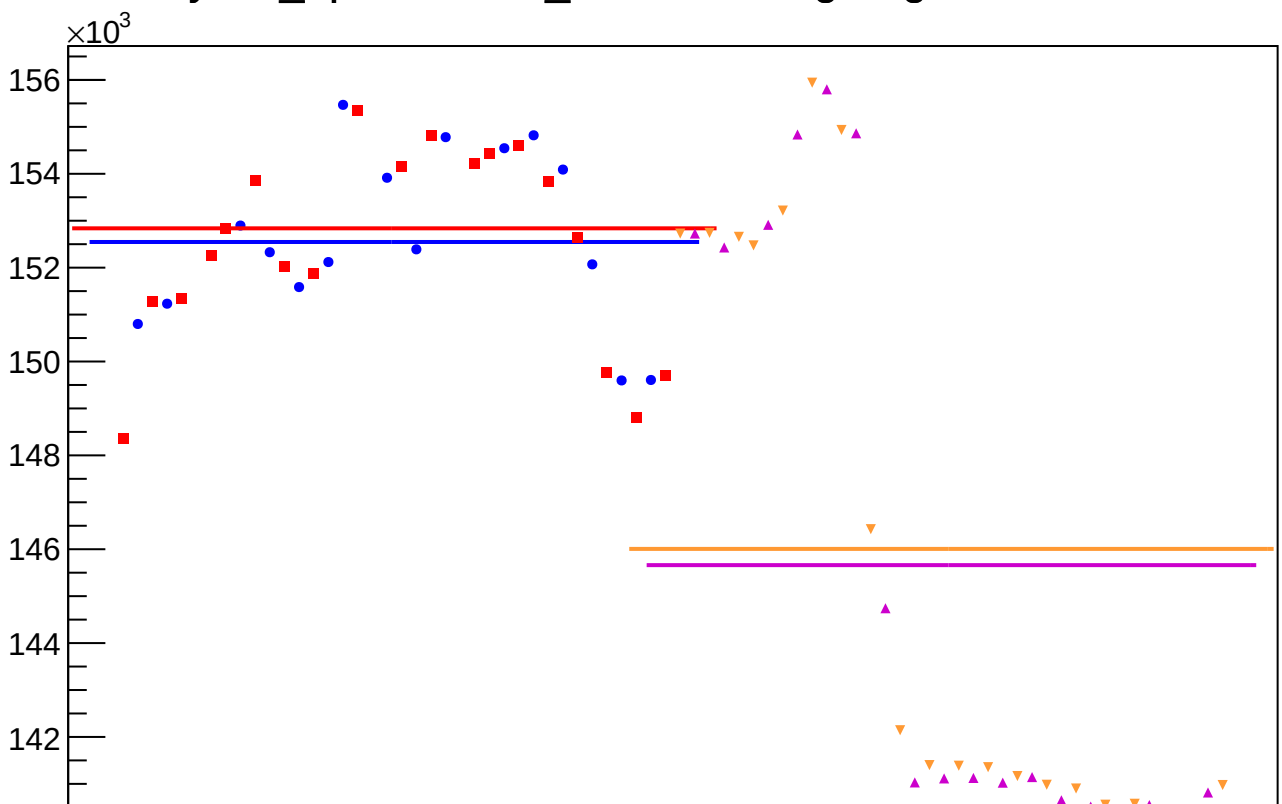
Left: 208.989+/-0.027 χ^2/NDF: 739864.0/37

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 192.038+/-0.030 χ^2/NDF:1736233.7/33

Out: 186.535+/-0.028 χ^2/NDF:2160110.0/38

All: 189.145+/-0.021 χ^2/NDF: 3914098.4/72



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

Left: 145840.568+/-0.038 χ^2/NDF: 24226049293.3

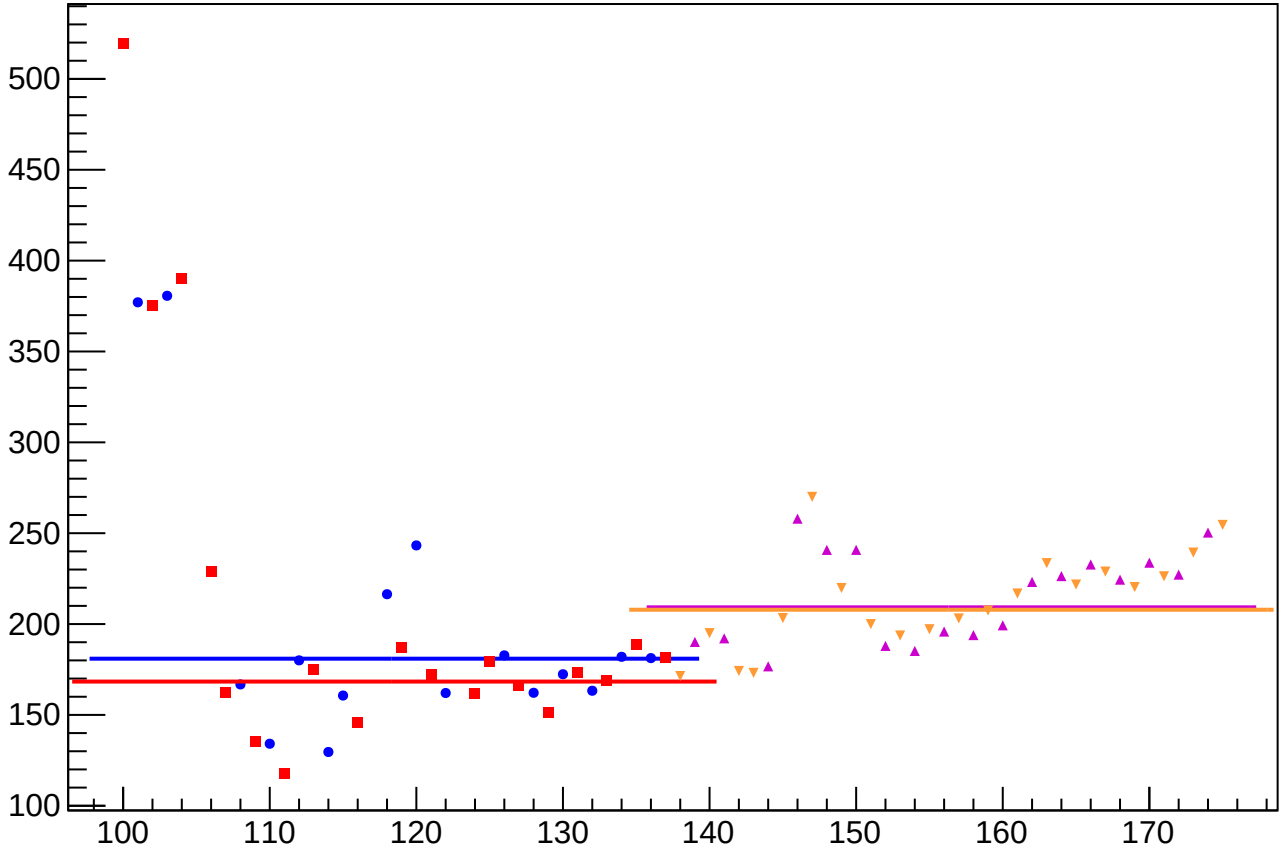
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148174.276+/-0.044 χ^2/NDF:18335108932.7/3

Out: 148652.530+/-0.041 χ^2/NDF:19406019723.3/

All: 148426.759+/-0.030 χ^2/NDF: 37803870

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

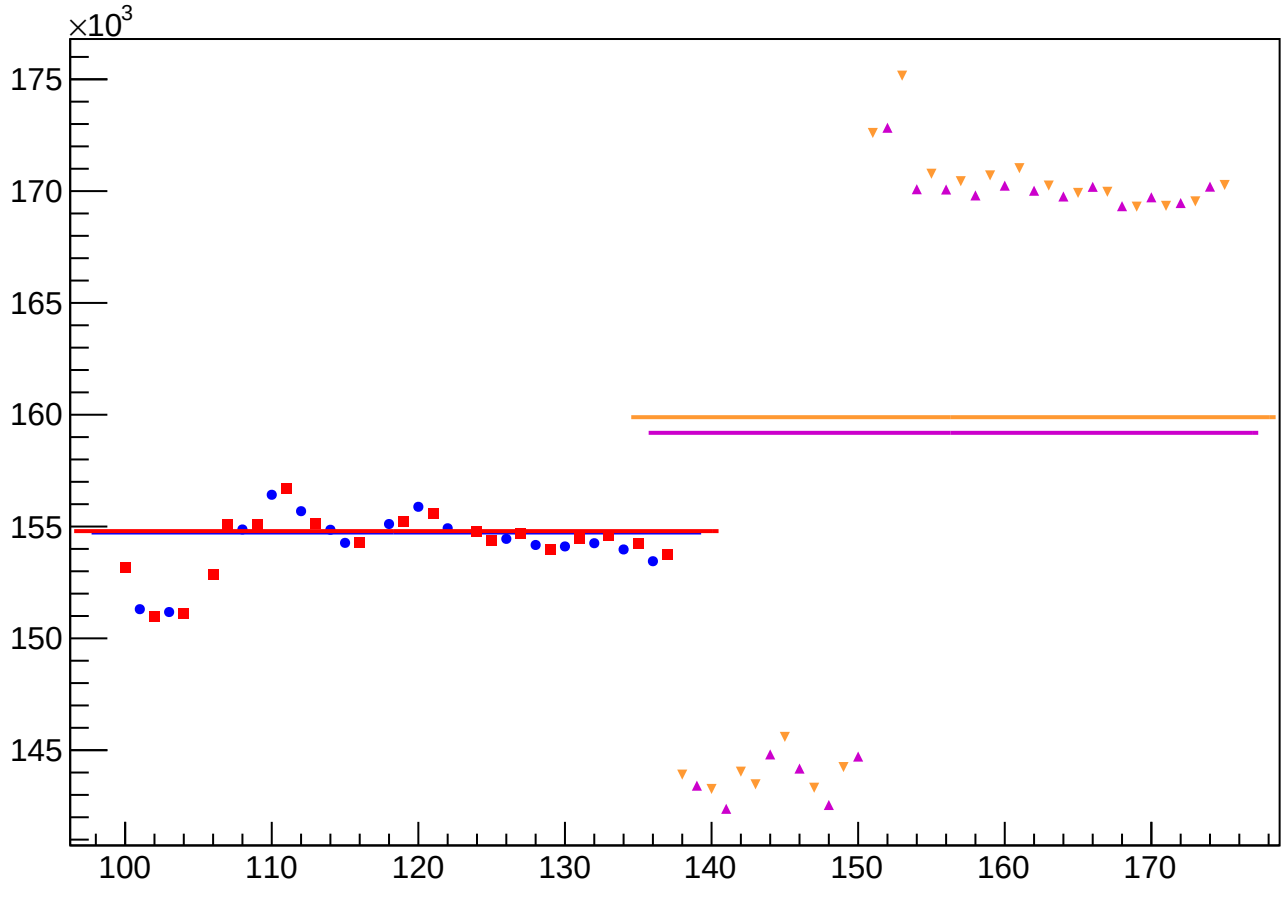
Left: 208.515+/-0.027 χ^2/NDF: 811224.1/37

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 198.884+/-0.031 χ^2/NDF:1490201.3/33

Out: 192.571+/-0.029 χ^2/NDF:1940610.3/38

All: 195.551+/-0.021 χ^2/NDF: 3452678.3/72



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159890.334+/-0.050 χ^2/NDF:71753253051.5/19

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 159190.813+/-0.052 χ^2/NDF:63566139431.2/17

Left: 159555.702+/-0.036 χ^2/NDF: 135412927739.

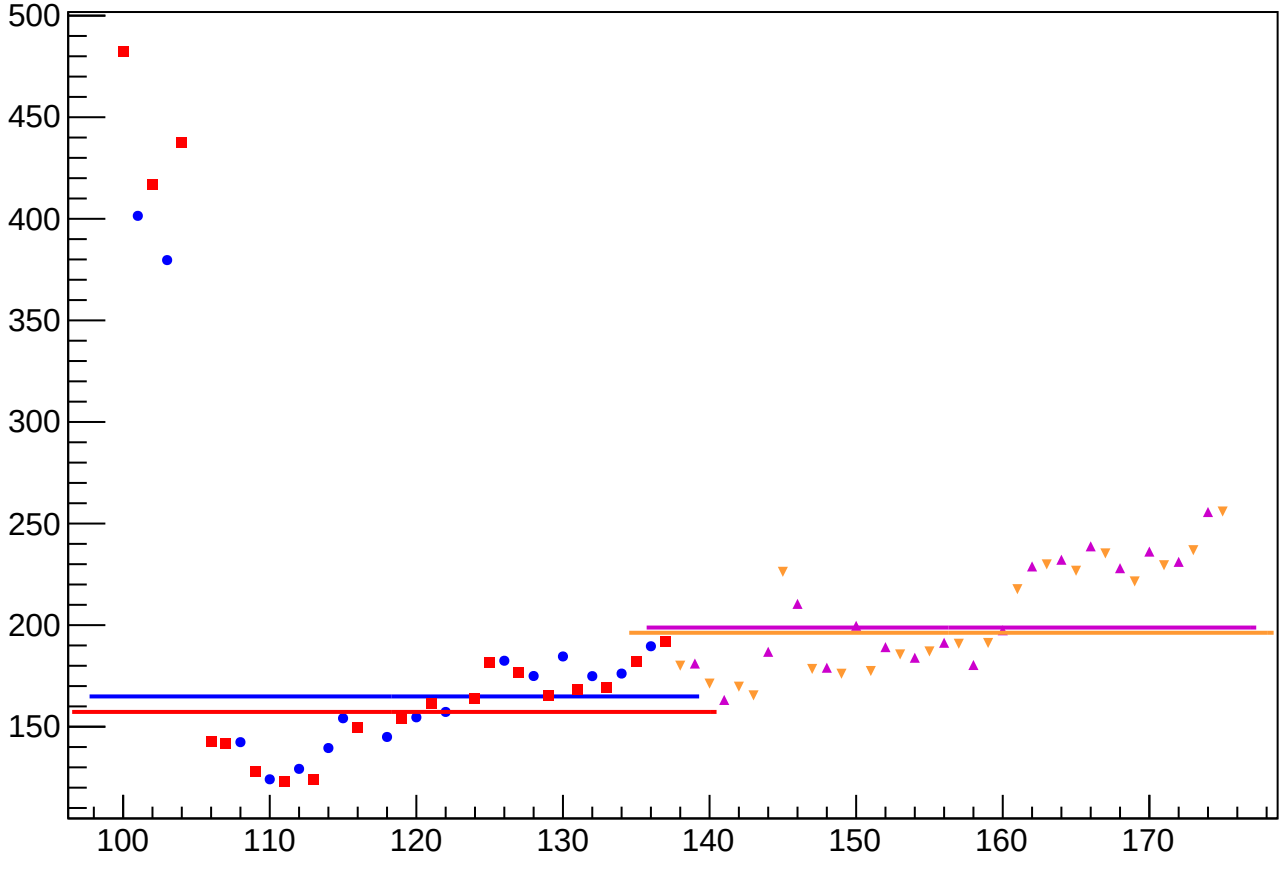
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157447.876+/-0.041 χ^2/NDF:66687690164.0/3

Out: 157844.389+/-0.039 χ^2/NDF:76222214991.5

All: 157656.446+/-0.028 χ^2/NDF: 14295967

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 196.245+/-0.035 χ^2/NDF:530116.8/19

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 198.811+/-0.037 χ^2/NDF:437016.5/17

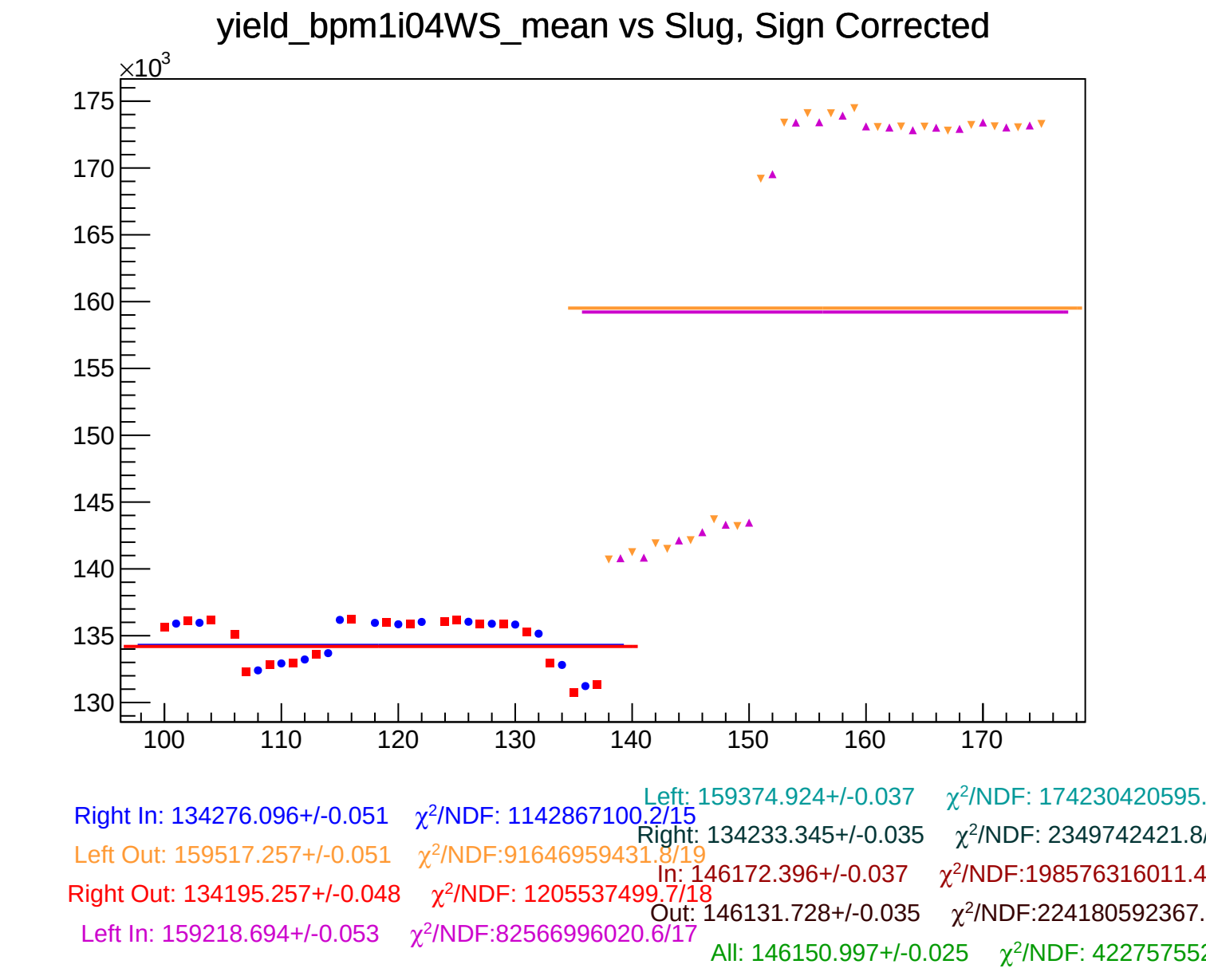
Left: 197.472+/-0.026 χ^2/NDF: 969650.6/37

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

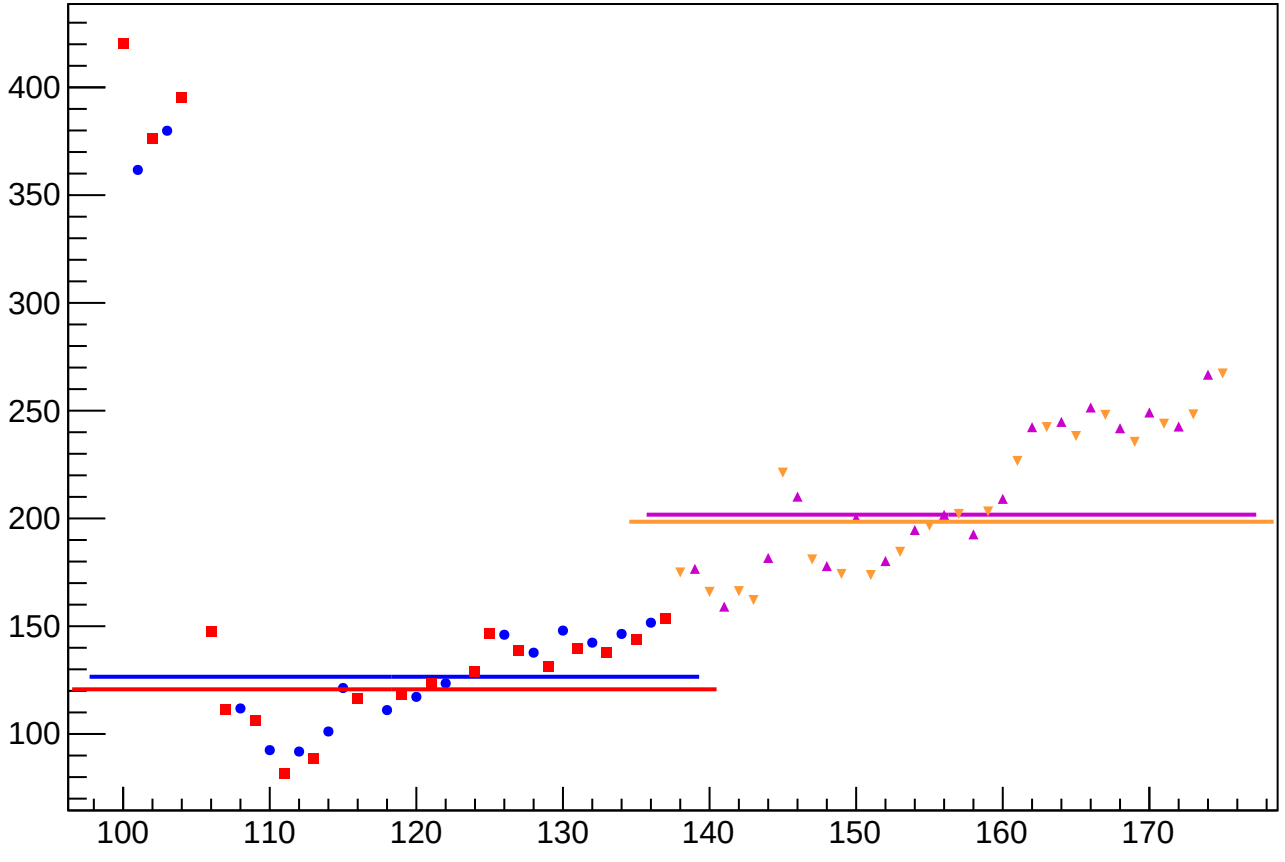
In: 185.554+/-0.029 χ^2/NDF:1839154.0/33

Out: 180.598+/-0.027 χ^2/NDF:2272156.6/38

All: 182.947+/-0.020 χ^2/NDF: 4126862.9/72


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 159517.257+/-0.051 χ²/NDF:91646959431.8/19
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 159218.694+/-0.053 χ²/NDF:82566996020.6/17
Left: 159374.924+/-0.037 χ²/NDF: 174230420595.
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 146172.396+/-0.037 χ²/NDF:198576316011.4
Out: 146131.728+/-0.035 χ²/NDF:224180592367.
All: 146150.997+/-0.025 χ²/NDF: 42275752

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 198.477+/-0.036 χ^2/NDF:759234.1/19

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 201.753+/-0.038 χ^2/NDF:624489.4/17

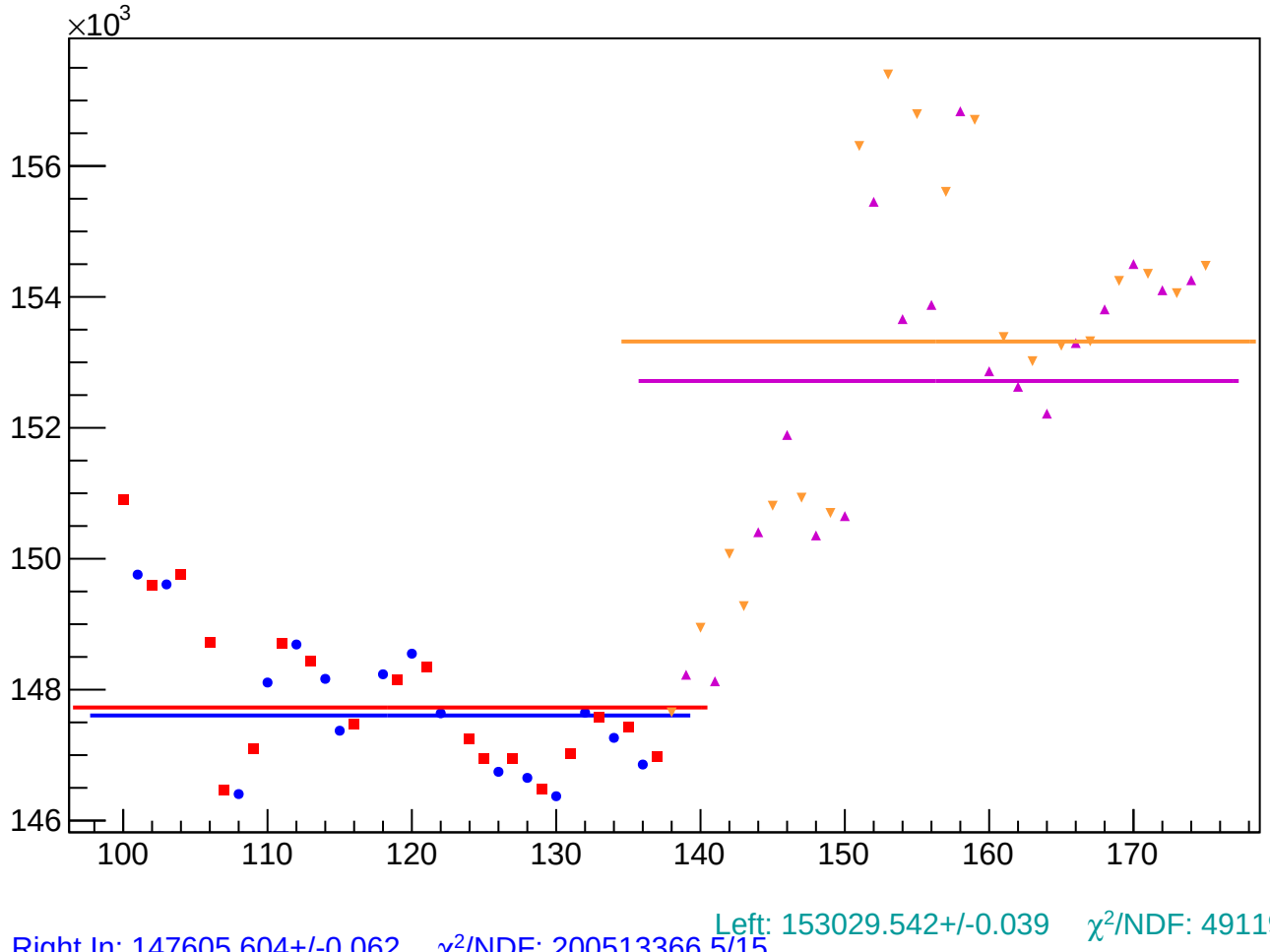
Left: 200.039+/-0.026 χ^2/NDF: 1387687.2/37

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 162.418+/-0.026 χ^2/NDF:4190251.0/33

Out: 157.376+/-0.025 χ^2/NDF:4868472.6/38

All: 159.765+/-0.018 χ^2/NDF: 9078530.7/72



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153318.720+/-0.054 χ^2/NDF:2976059846.7/19

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152715.719+/-0.056 χ^2/NDF:1876034761.7/17

Left: 153029.542+/-0.039 χ^2/NDF: 4911931356.0/3

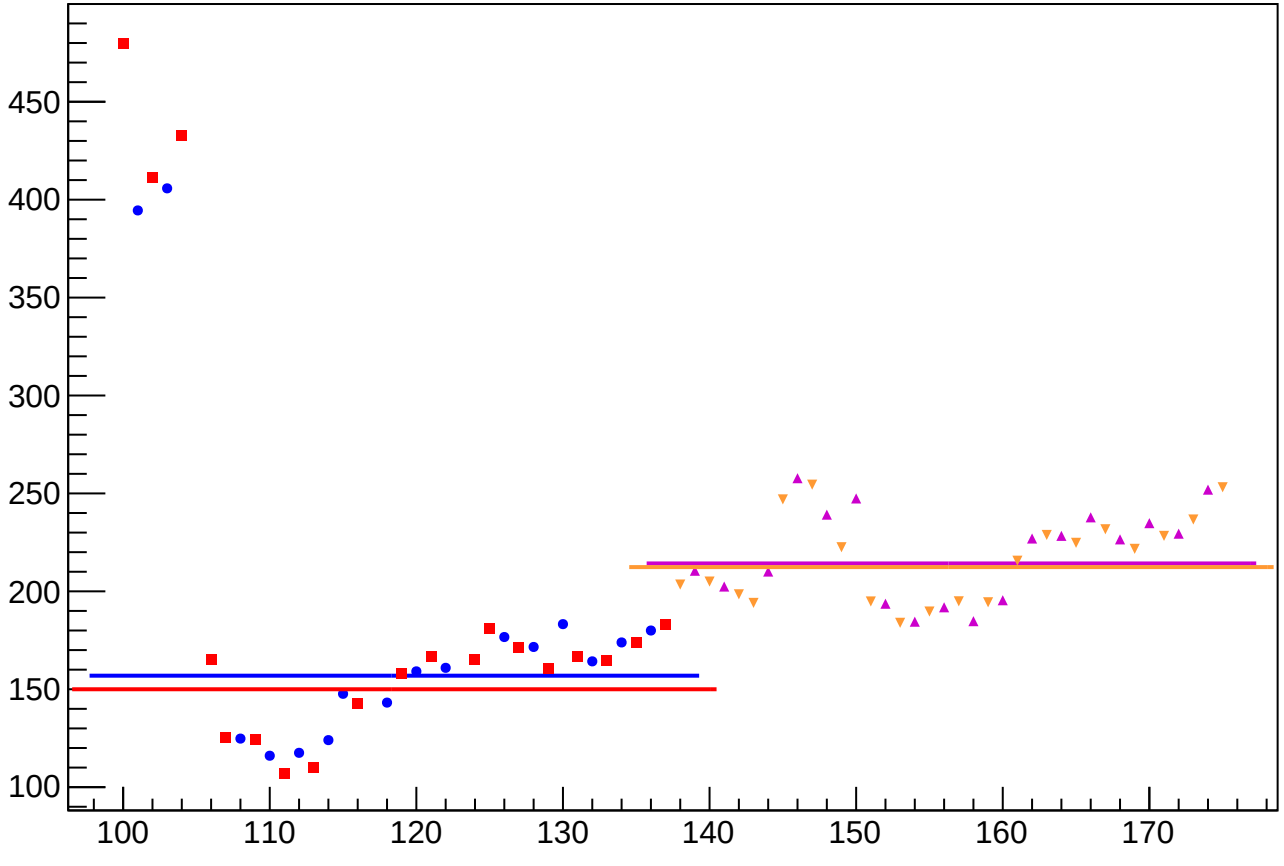
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150428.440+/-0.042 χ^2/NDF:5772415439.2/33

Out: 150767.760+/-0.040 χ^2/NDF:8065131609.2/3

All: 150606.371+/-0.029 χ^2/NDF: 13872106

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 212.375+/-0.038 χ^2/NDF:300327.3/19

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 214.242+/-0.040 χ^2/NDF:335391.3/17

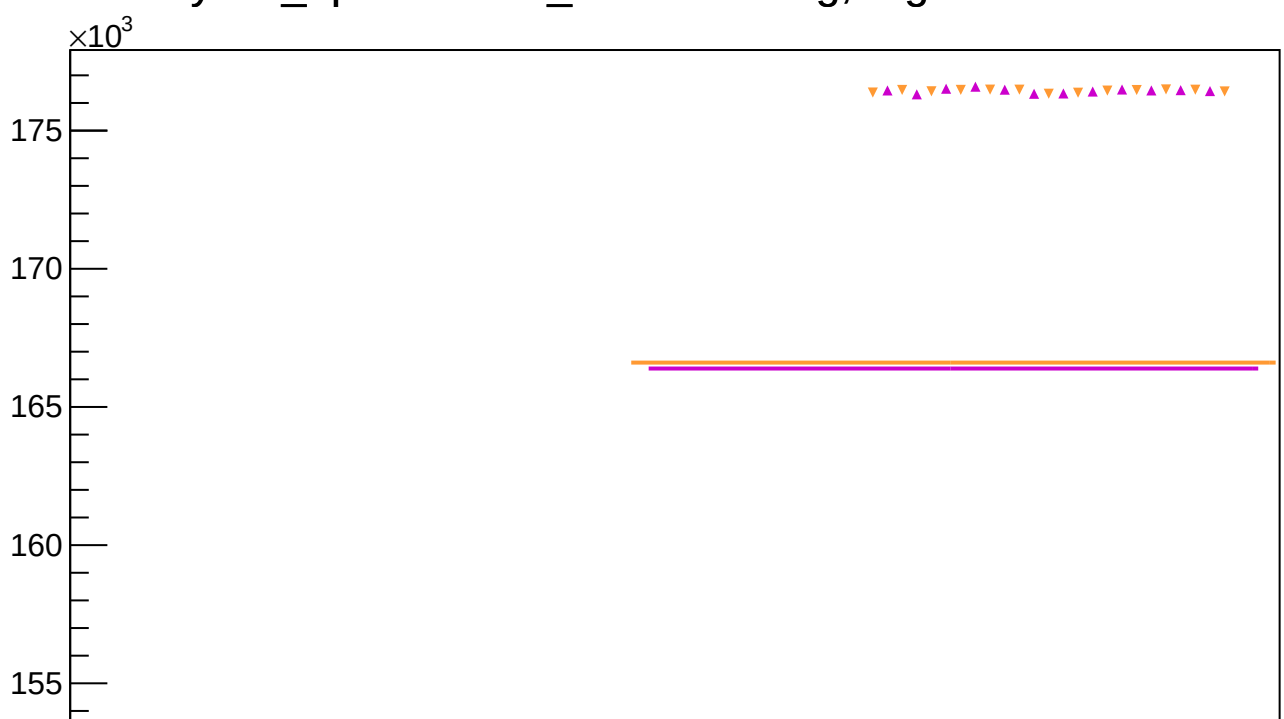
Left: 213.270+/-0.028 χ^2/NDF: 636866.3/37

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 188.588+/-0.030 χ^2/NDF:2531023.6/33

Out: 183.913+/-0.028 χ^2/NDF:2972735.4/38

All: 186.137+/-0.020 χ^2/NDF: 5516877.1/72



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7/19

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

Left: 166503.058+/-0.036 χ^2/NDF: 109576106536.

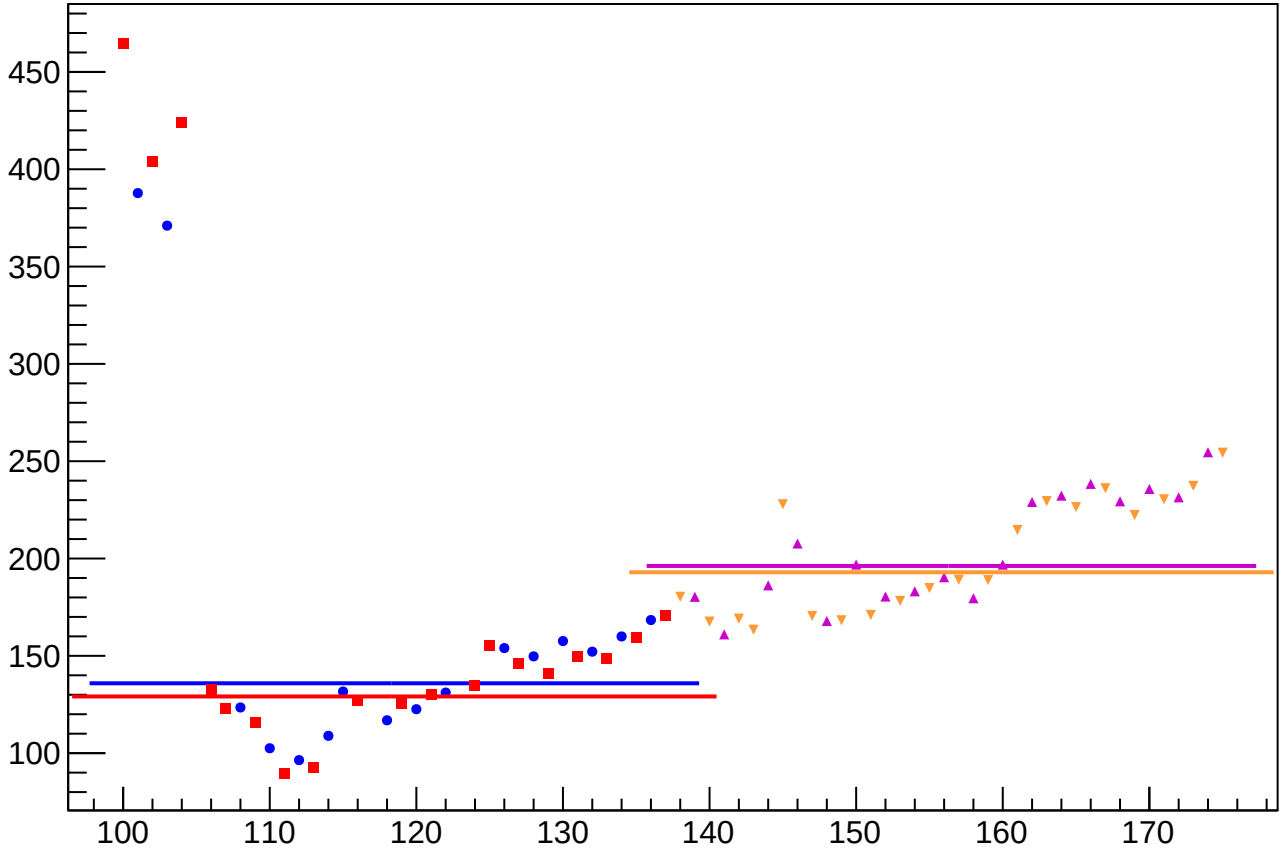
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158925.248+/-0.038 χ^2/NDF:97085474538.8/3

Out: 158865.465+/-0.035 χ^2/NDF:108506887261.

All: 158893.635+/-0.026 χ^2/NDF: 20559370

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

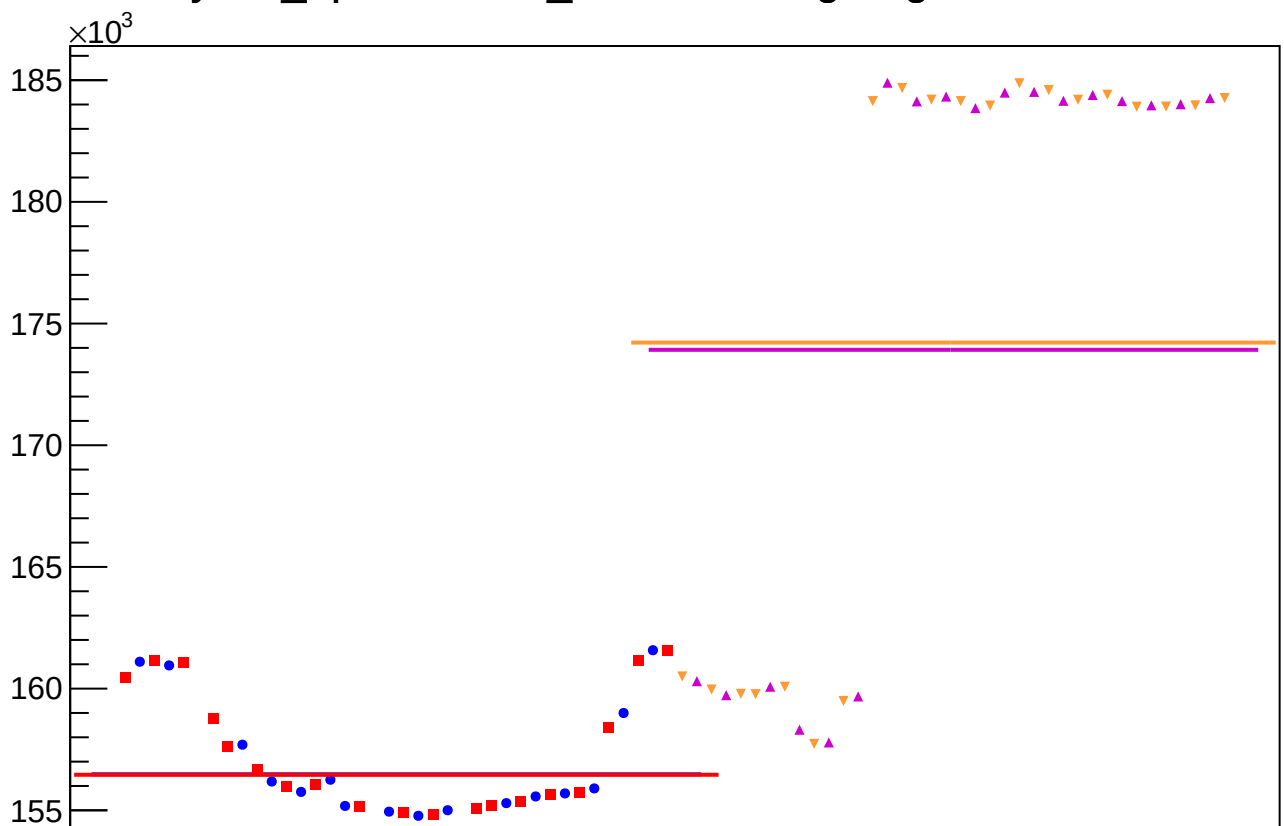
Left: 194.483+/-0.025 χ^2/NDF: 1123479.2/37

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 167.739+/-0.027 χ^2/NDF:3201346.1/33

Out: 162.155+/-0.025 χ^2/NDF:3857454.6/38

All: 164.786+/-0.018 χ^2/NDF: 7082239.1/72



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174218.097+/-0.051 χ^2/NDF:56947024446.7/19

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 173921.479+/-0.053 χ^2/NDF:53353626916.3/17

Left: 174076.533+/-0.037 χ^2/NDF: 110316859557.

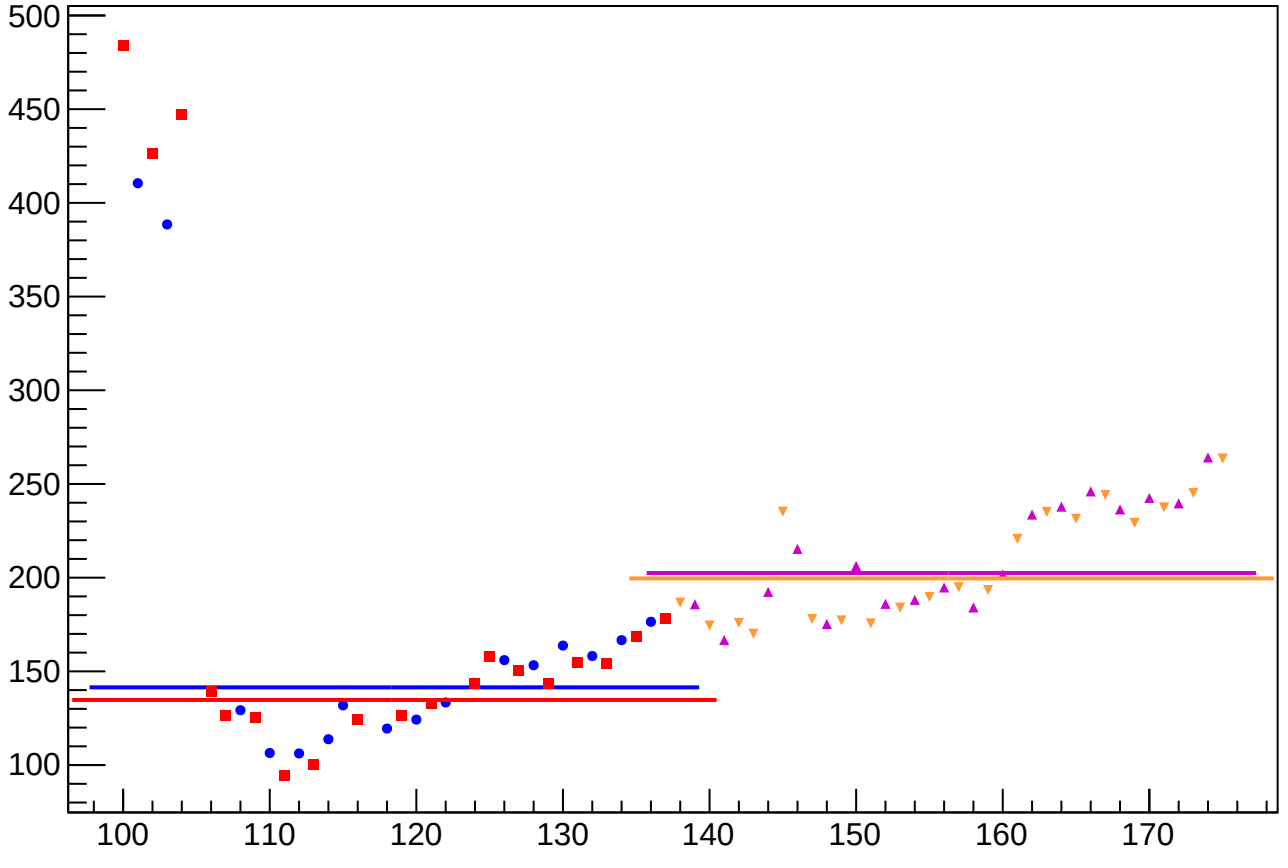
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 165761.078+/-0.039 χ^2/NDF:104806921624.0

Out: 165719.368+/-0.037 χ^2/NDF:116300655606.

All: 165739.062+/-0.027 χ^2/NDF: 22110818

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 199.597+/-0.036 χ^2/NDF:593110.5/19

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 202.486+/-0.038 χ^2/NDF:490054.3/17

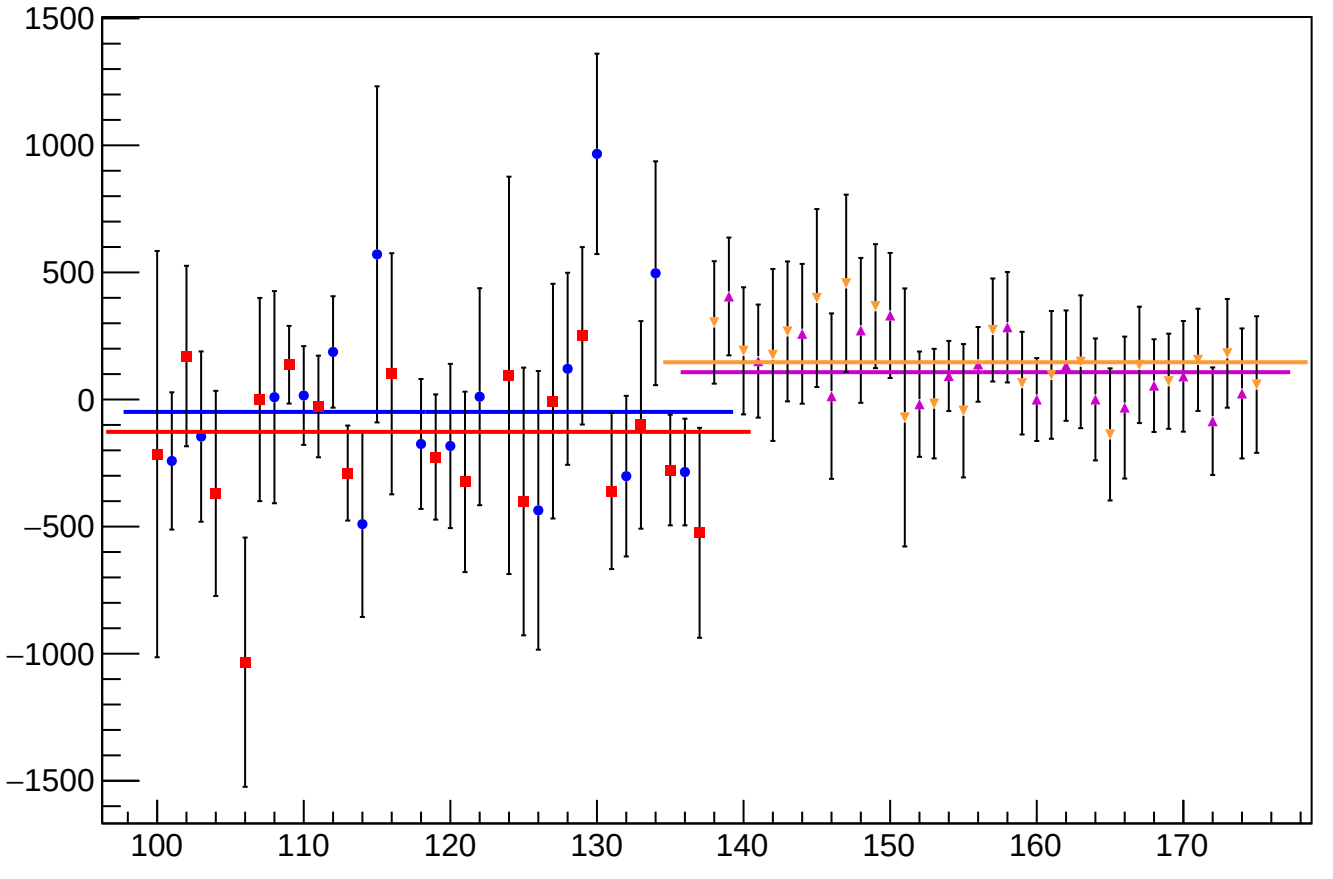
Left: 200.976+/-0.026 χ^2/NDF: 1086240.0/37

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 173.941+/-0.027 χ^2/NDF:3109603.7/33

Out: 168.559+/-0.026 χ^2/NDF:3726051.6/38

All: 171.101+/-0.019 χ^2/NDF: 6855903.6/72



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.582+/-49.308 χ^2/NDF:6.2/17

Left: 125.010+/-36.717 χ^2/NDF: 12.7/37

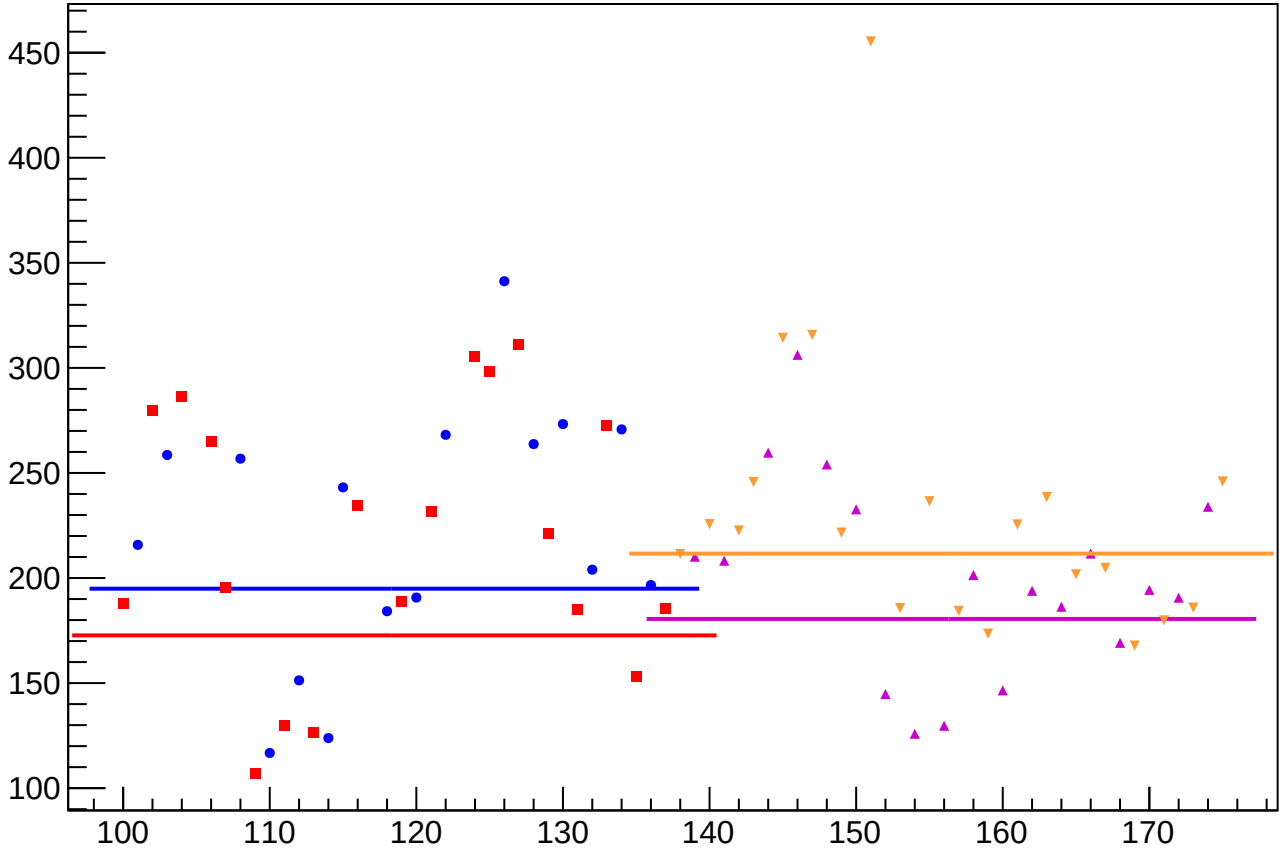
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 61.775+/-41.459 χ^2/NDF:24.6/33

Out: 39.307+/-42.893 χ^2/NDF:28.7/38

All: 50.923+/-29.810 χ^2/NDF: 53.5/72

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

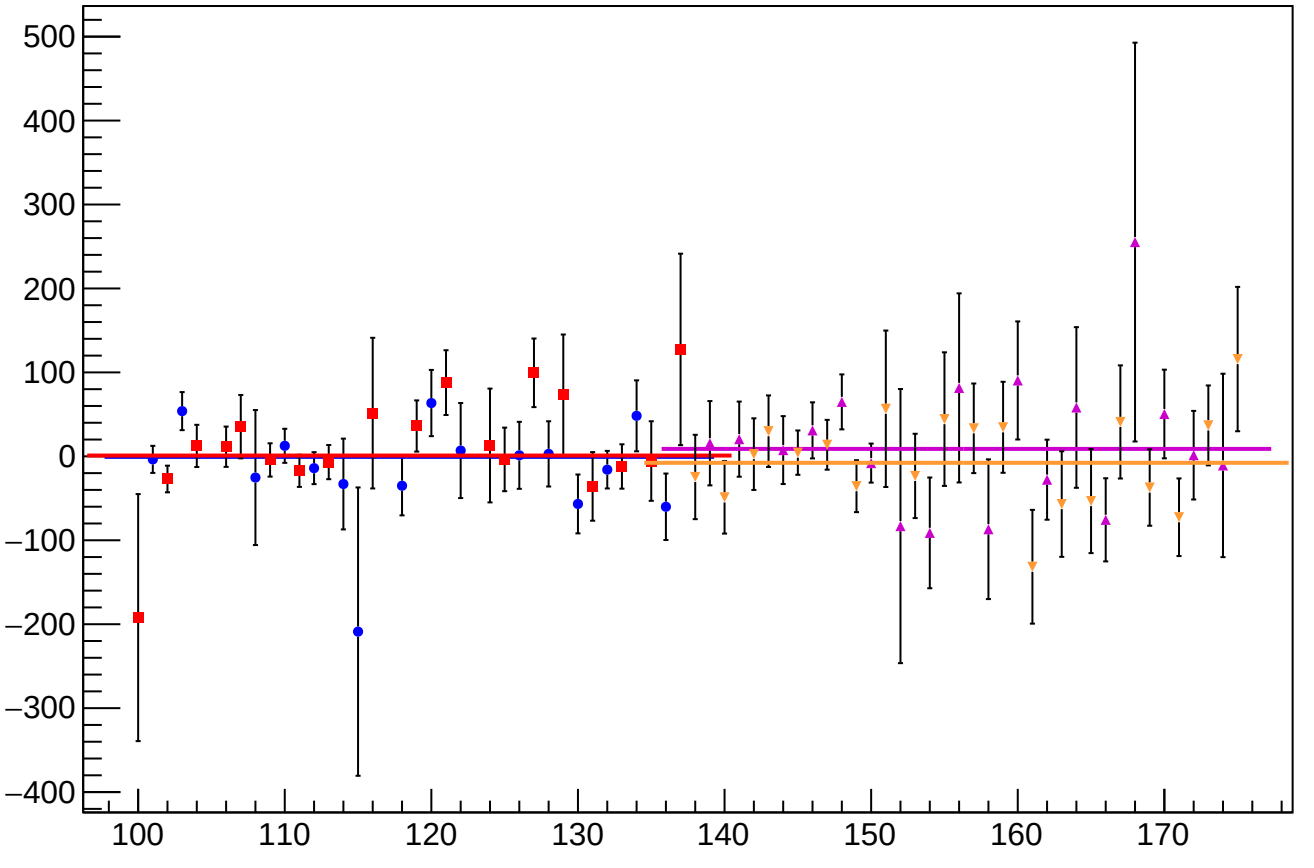
Left: 194.384+/-0.026 χ^2/NDF: 3222961.0/37

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.754+/-0.029 χ^2/NDF:2687361.7/33

Out: 196.361+/-0.030 χ^2/NDF:3284107.3/38

All: 190.360+/-0.021 χ^2/NDF: 6047178.9/72



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.713+/-10.268 χ^2/NDF:15.9/19

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 8.866+/-11.430 χ^2/NDF:15.2/17

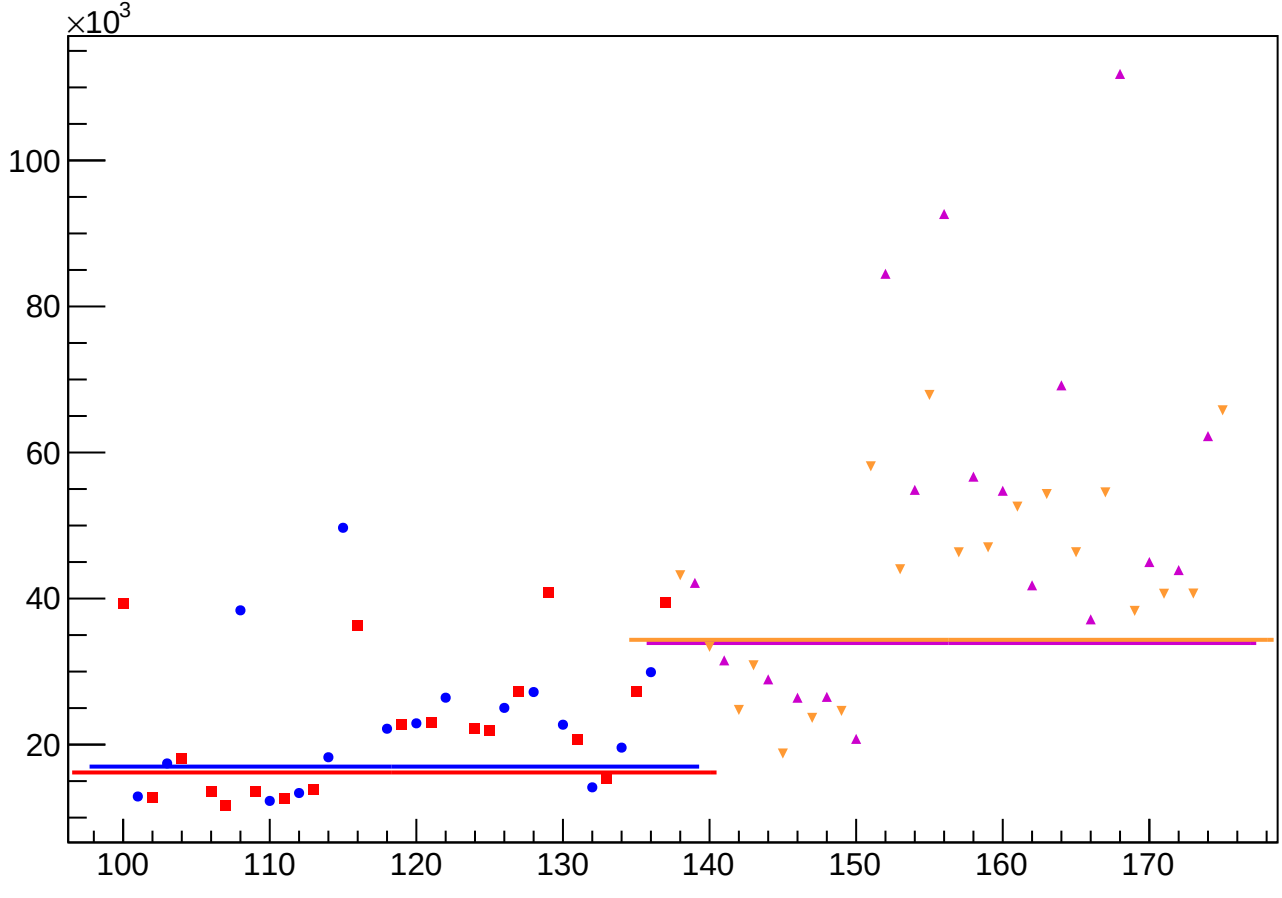
Left: -0.309+/-7.639 χ^2/NDF: 32.3/37

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.147+/-6.176 χ^2/NDF:34.6/33

Out: -1.682+/-5.650 χ^2/NDF:39.5/38

All: 0.062+/-4.169 χ^2/NDF: 74.3/72



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34349.199+/-7.261 χ^2/NDF:3055440.0/19

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 33909.710+/-8.083 χ^2/NDF:3037084.0/17

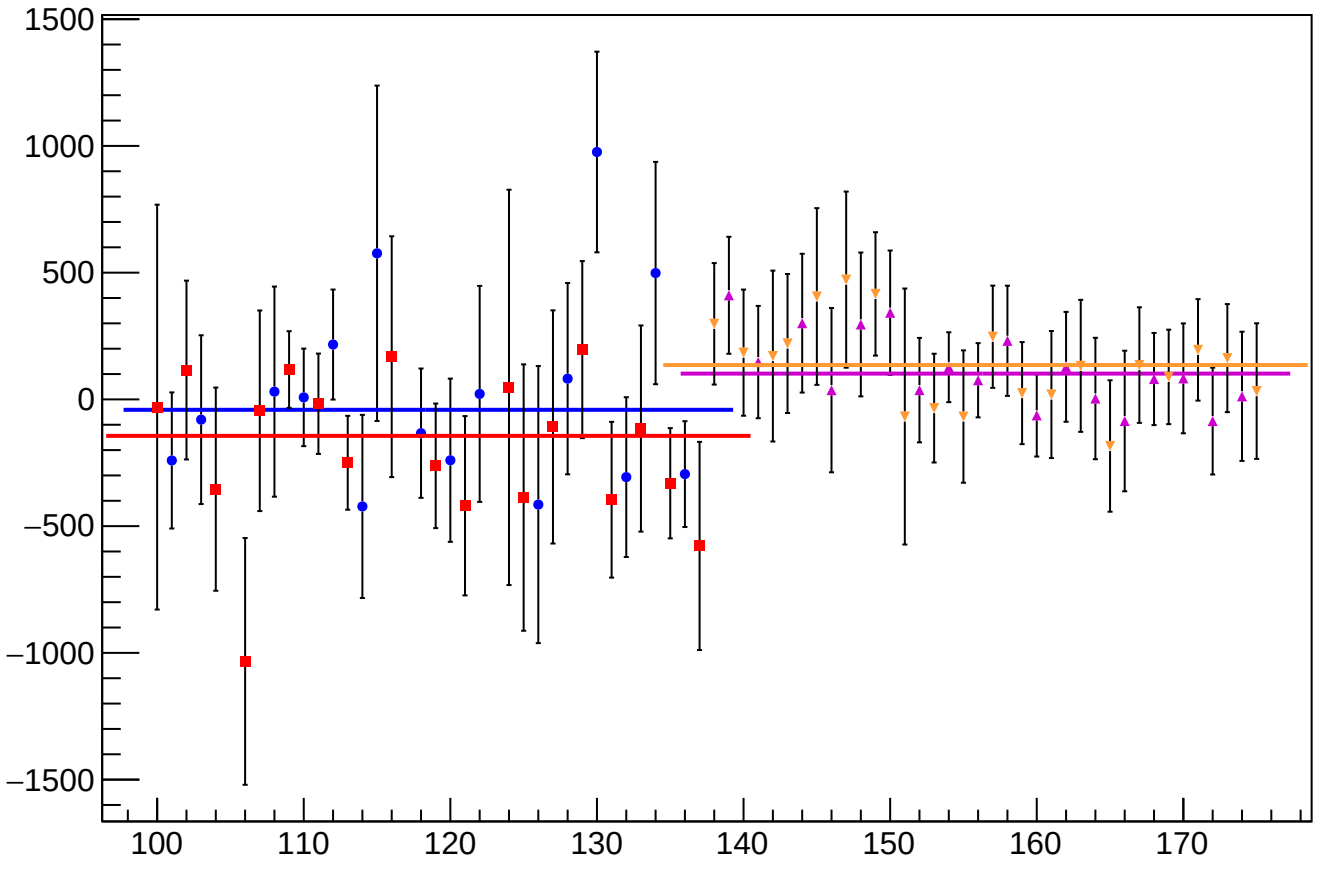
Left: 34152.935+/-5.401 χ^2/NDF: 6094160.2/37

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 21927.524+/-4.367 χ^2/NDF:7335135.5/33

Out: 21683.243+/-3.995 χ^2/NDF:8672002.5/38

All: 21794.538+/-2.948 χ^2/NDF: 16008841.1



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 135.595+/-54.785 χ^2/NDF:7.5/19

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 101.759+/-49.134 χ^2/NDF:7.0/17

Left: 116.842+/-36.578 χ^2/NDF: 14.7/37

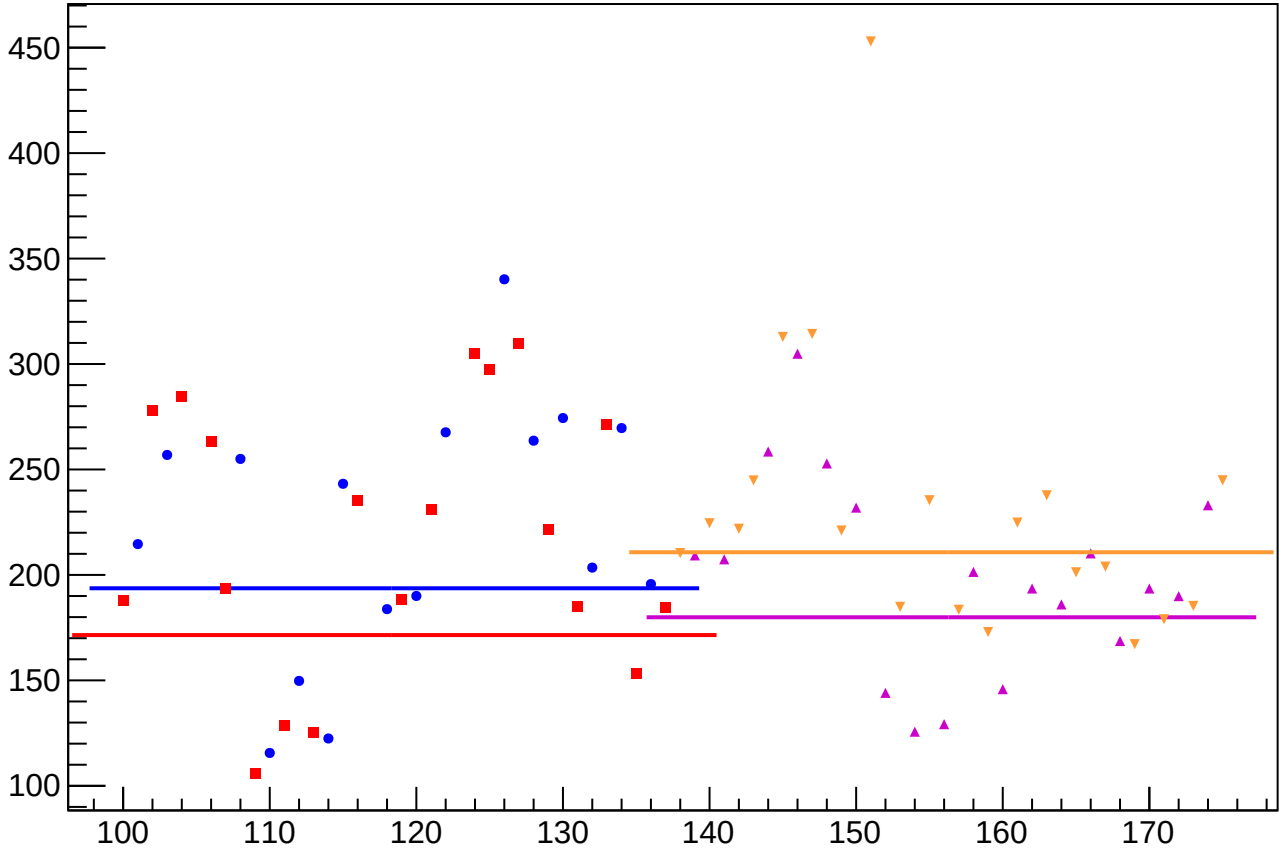
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 59.786+/-41.287 χ^2/NDF:24.9/33

Out: 25.772+/-42.682 χ^2/NDF:30.8/38

All: 43.344+/-29.675 χ^2/NDF: 56.0/72

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 210.761+/-0.039 χ^2/NDF:1258983.6/19

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 179.922+/-0.035 χ^2/NDF:1605140.8/17

Left: 193.669+/-0.026 χ^2/NDF: 3215348.3/37

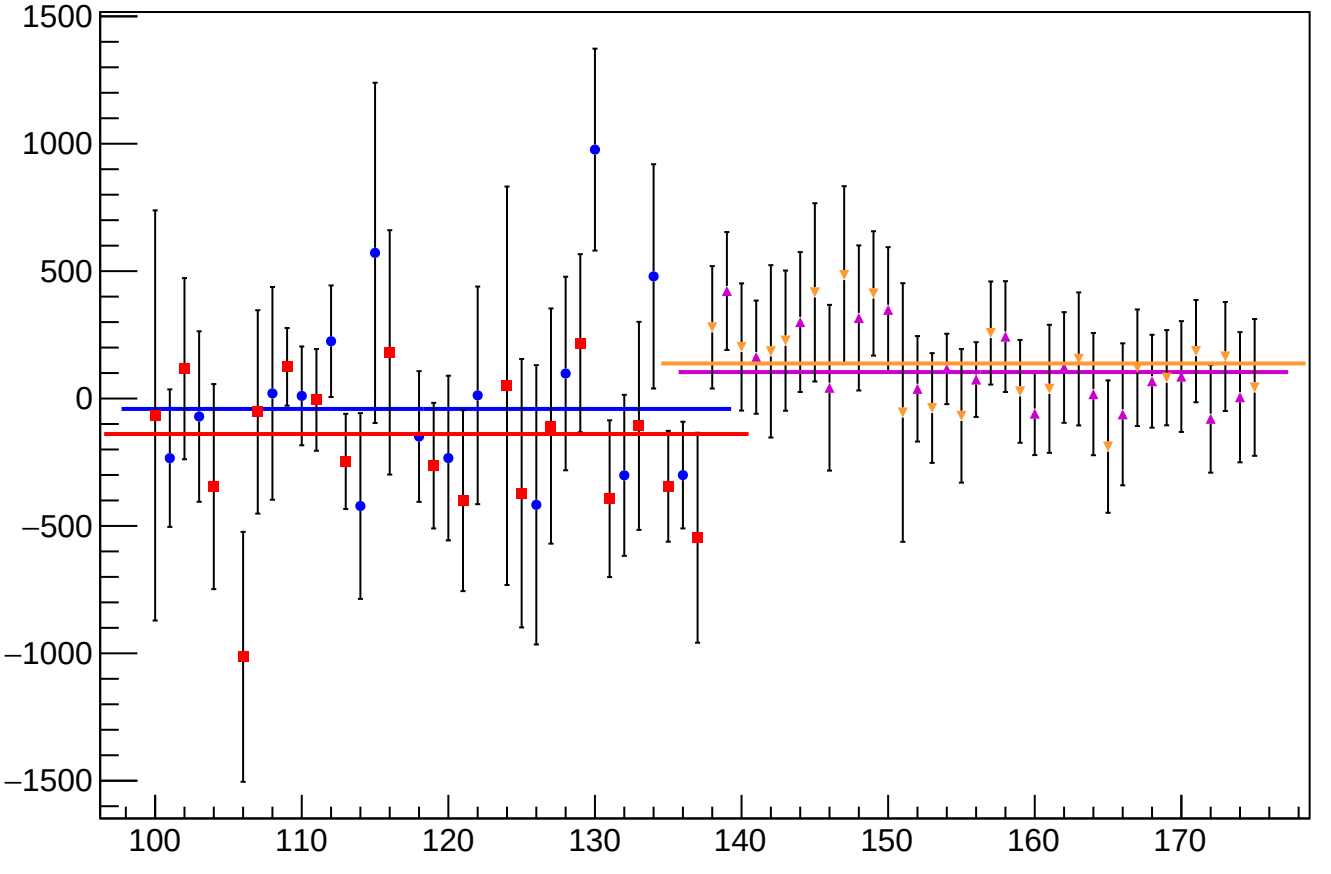
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 183.963+/-0.029 χ^2/NDF:2700937.2/33

Out: 195.323+/-0.030 χ^2/NDF:3316012.6/38

All: 189.454+/-0.021 χ^2/NDF: 6090147.7/72

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 137.606+/-54.956 χ^2/NDF:7.5/19

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 103.890+/-49.265 χ^2/NDF:7.1/17

Left: 118.912+/-36.683 χ^2/NDF: 14.8/37

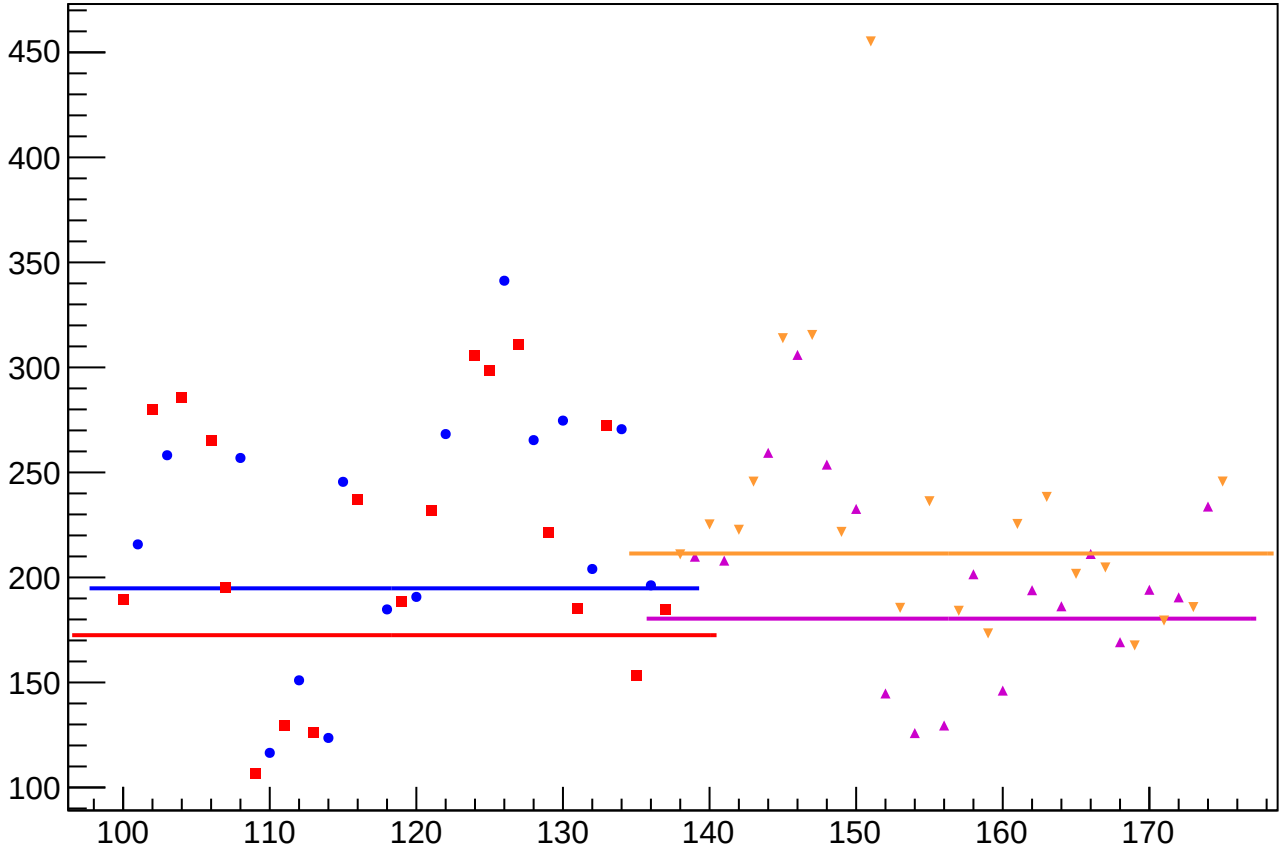
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 61.537+/-41.432 χ^2/NDF:25.0/33

Out: 29.096+/-42.856 χ^2/NDF:30.4/38

All: 45.864+/-29.787 χ^2/NDF: 55.6/72

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 211.398+/-0.039 χ^2/NDF:1262012.7/19

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.382+/-0.035 χ^2/NDF:1608894.7/17

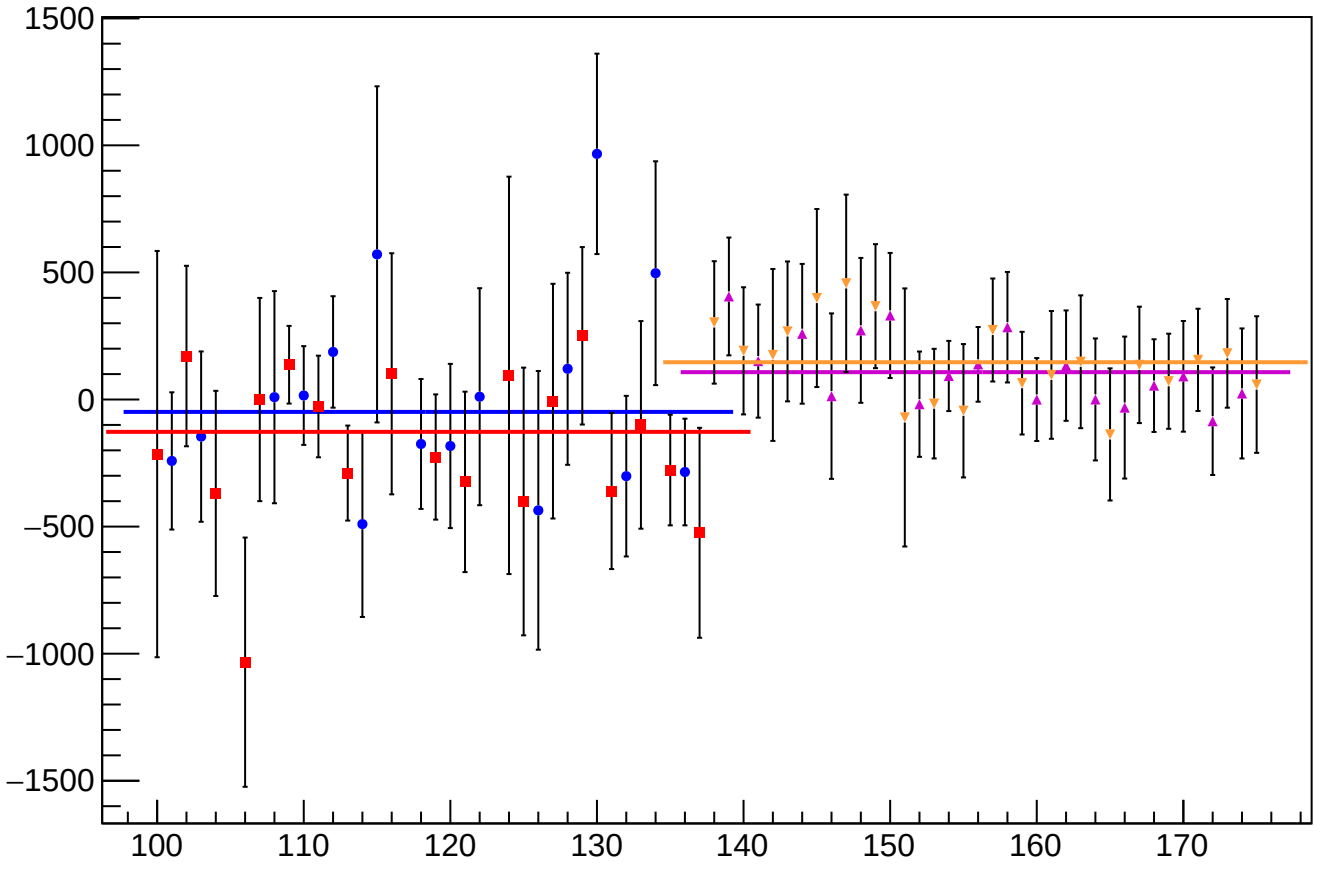
Left: 194.202+/-0.026 χ^2/NDF: 3224105.7/37

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.608+/-0.029 χ^2/NDF:2698268.8/33

Out: 196.157+/-0.030 χ^2/NDF:3296586.9/38

All: 190.188+/-0.021 χ^2/NDF: 6069930.9/72



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.582+/-49.308 χ^2/NDF:6.2/17

Left: 125.010+/-36.717 χ^2/NDF: 12.7/37

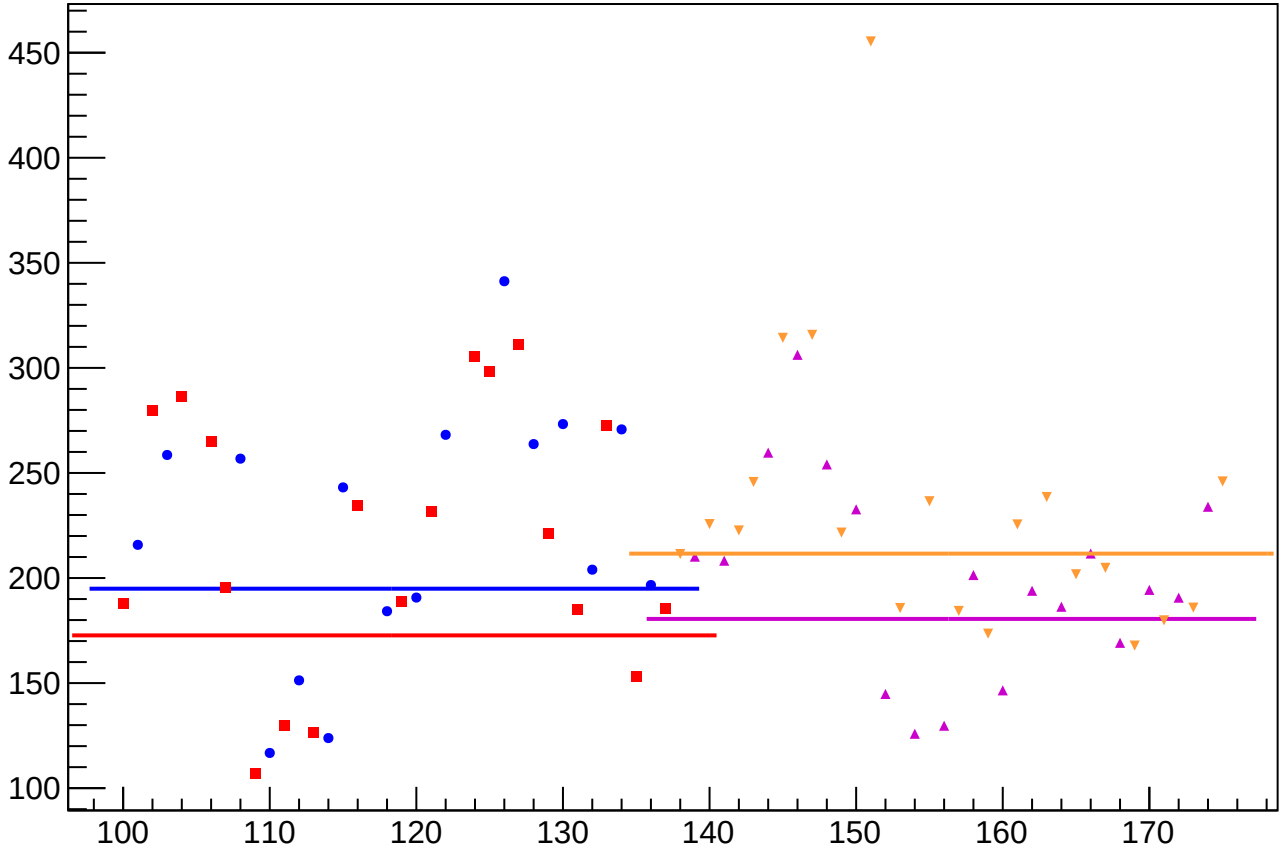
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 61.775+/-41.459 χ^2/NDF:24.6/33

Out: 39.307+/-42.893 χ^2/NDF:28.7/38

All: 50.923+/-29.810 χ^2/NDF: 53.5/72

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

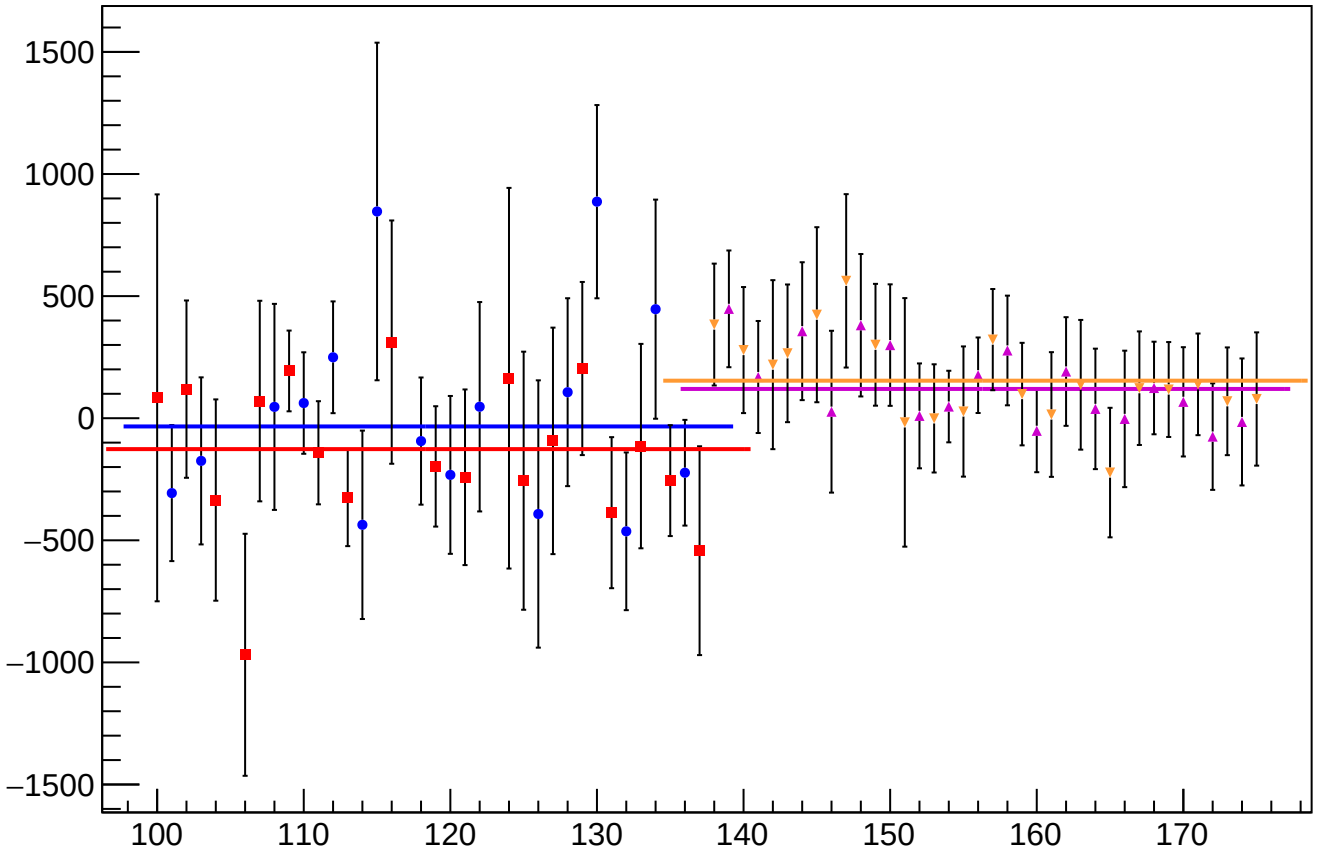
Left: 194.384+/-0.026 χ^2/NDF: 3222961.0/37

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.754+/-0.029 χ^2/NDF:2687361.7/33

Out: 196.361+/-0.030 χ^2/NDF:3284107.3/38

All: 190.360+/-0.021 χ^2/NDF: 6047178.9/72



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 153.686+/-56.450 χ^2/NDF:7.7/19

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 119.853+/-51.046 χ^2/NDF:7.7/17

Left: 135.073+/-37.862 χ^2/NDF: 15.6/37

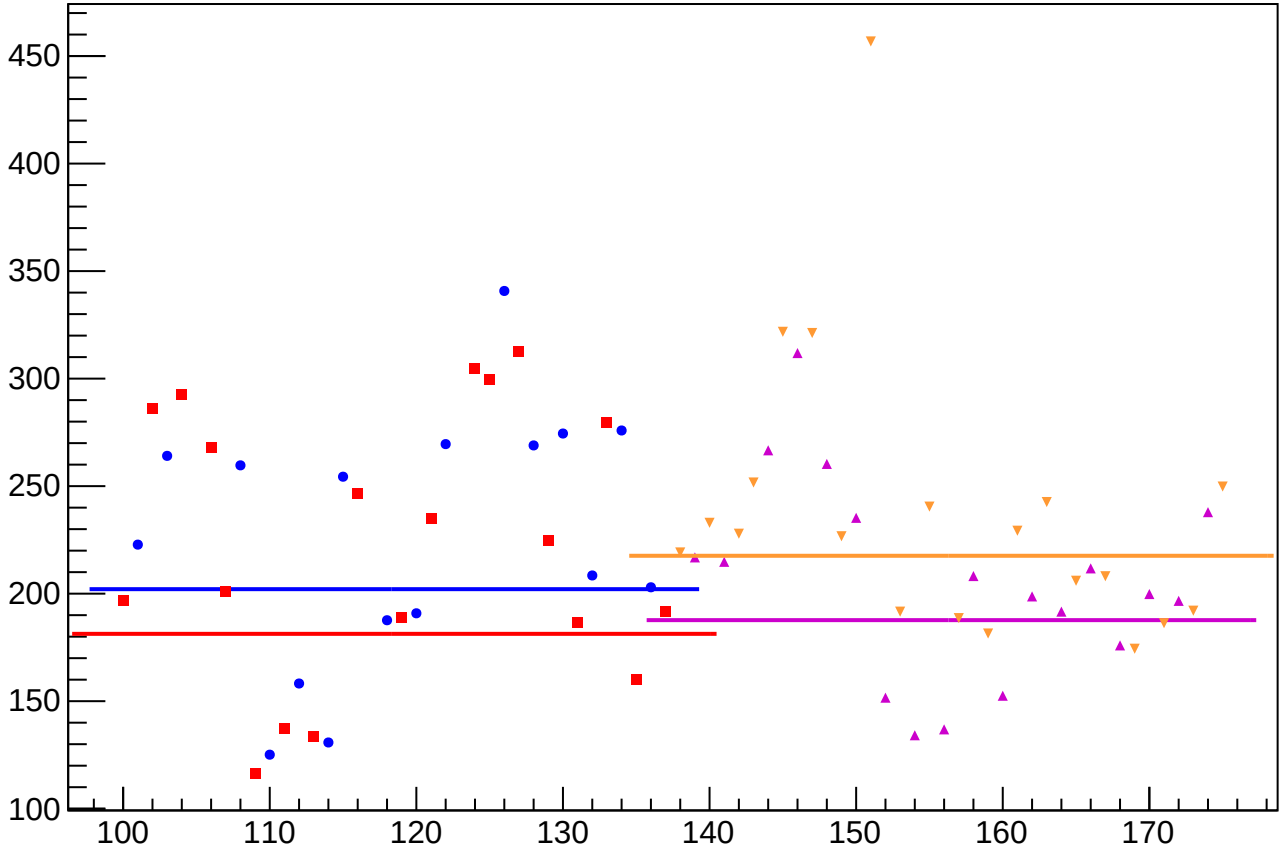
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 74.613+/-42.874 χ^2/NDF:26.1/33

Out: 45.721+/-44.260 χ^2/NDF:29.8/38

All: 60.626+/-30.795 χ^2/NDF: 56.2/72

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 217.617+/-0.040 χ^2/NDF:1190245.0/19

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 187.687+/-0.036 χ^2/NDF:1445843.0/17

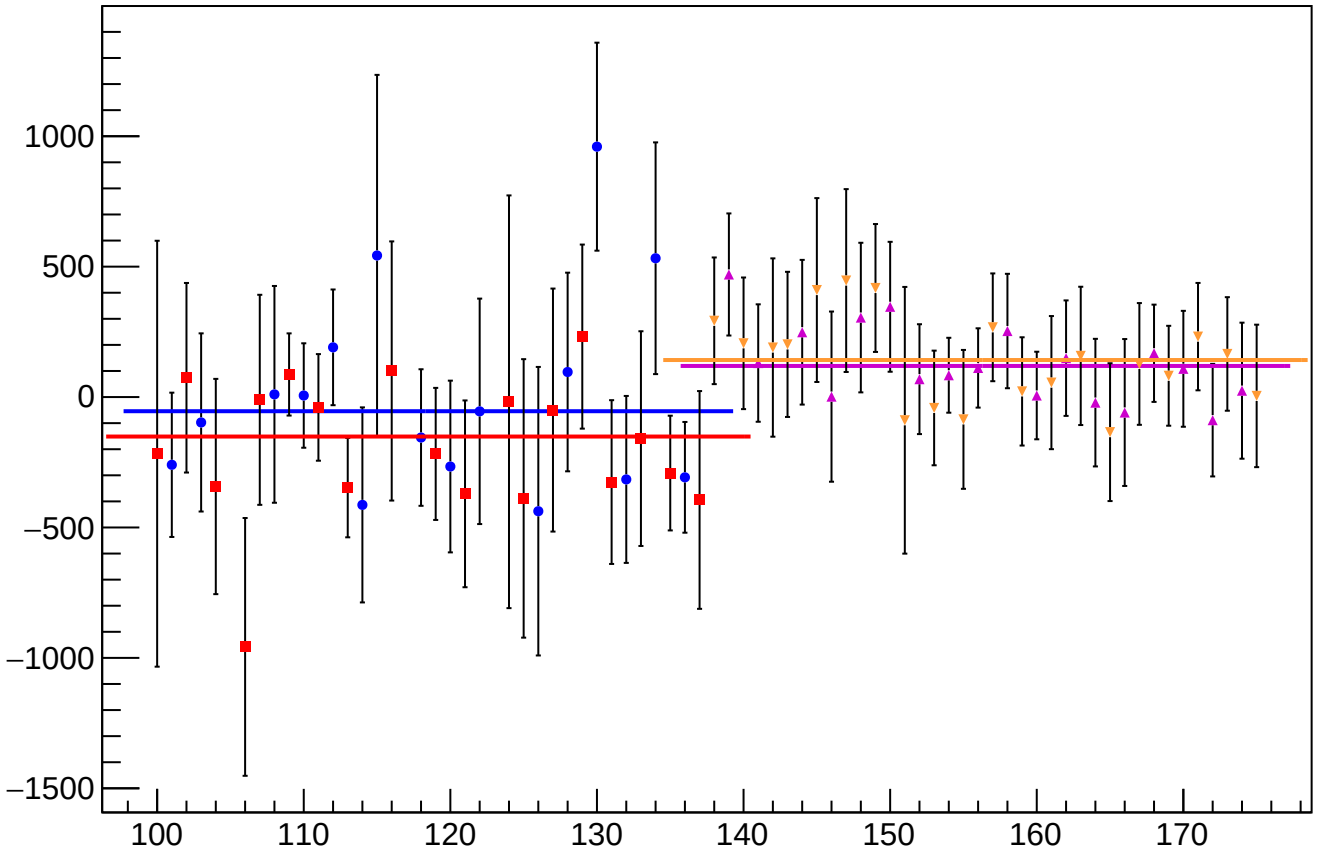
Left: 201.151+/-0.027 χ^2/NDF: 2945394.6/37

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.930+/-0.030 χ^2/NDF:2403003.2/33

Out: 203.631+/-0.031 χ^2/NDF:2949927.2/38

All: 197.594+/-0.022 χ^2/NDF: 5425044.3/72



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 141.992+/-55.911 χ^2/NDF:7.2/19

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 119.275+/-50.367 χ^2/NDF:6.7/17

Left: 129.452+/-37.422 χ^2/NDF: 14.0/37

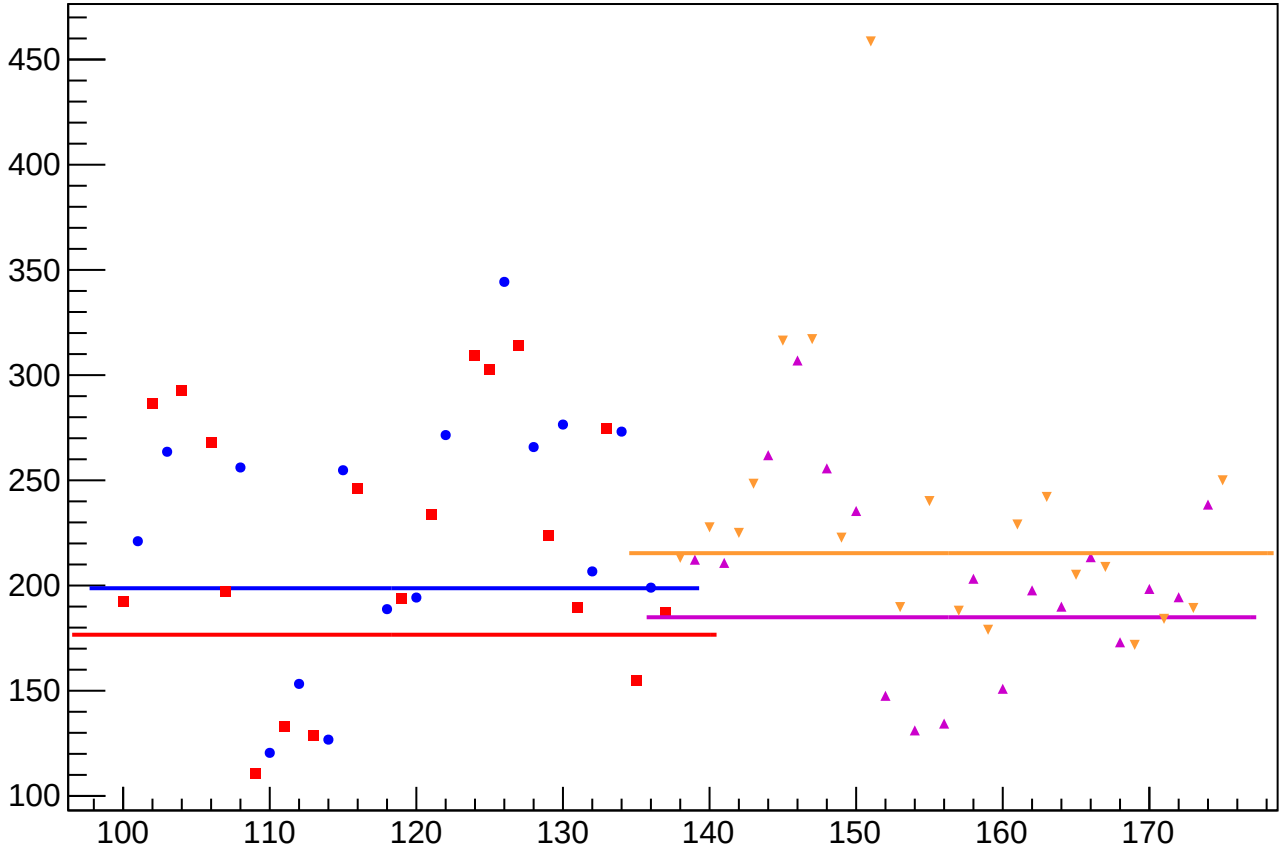
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 68.160+/-42.304 χ^2/NDF:25.2/33

Out: 27.539+/-43.663 χ^2/NDF:28.2/38

All: 48.492+/-30.382 χ^2/NDF: 53.9/72

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 215.384+/-0.040 χ^2/NDF:1203764.7/19

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 184.923+/-0.036 χ^2/NDF:1483773.2/17

Left: 198.569+/-0.026 χ^2/NDF: 3015234.9/37

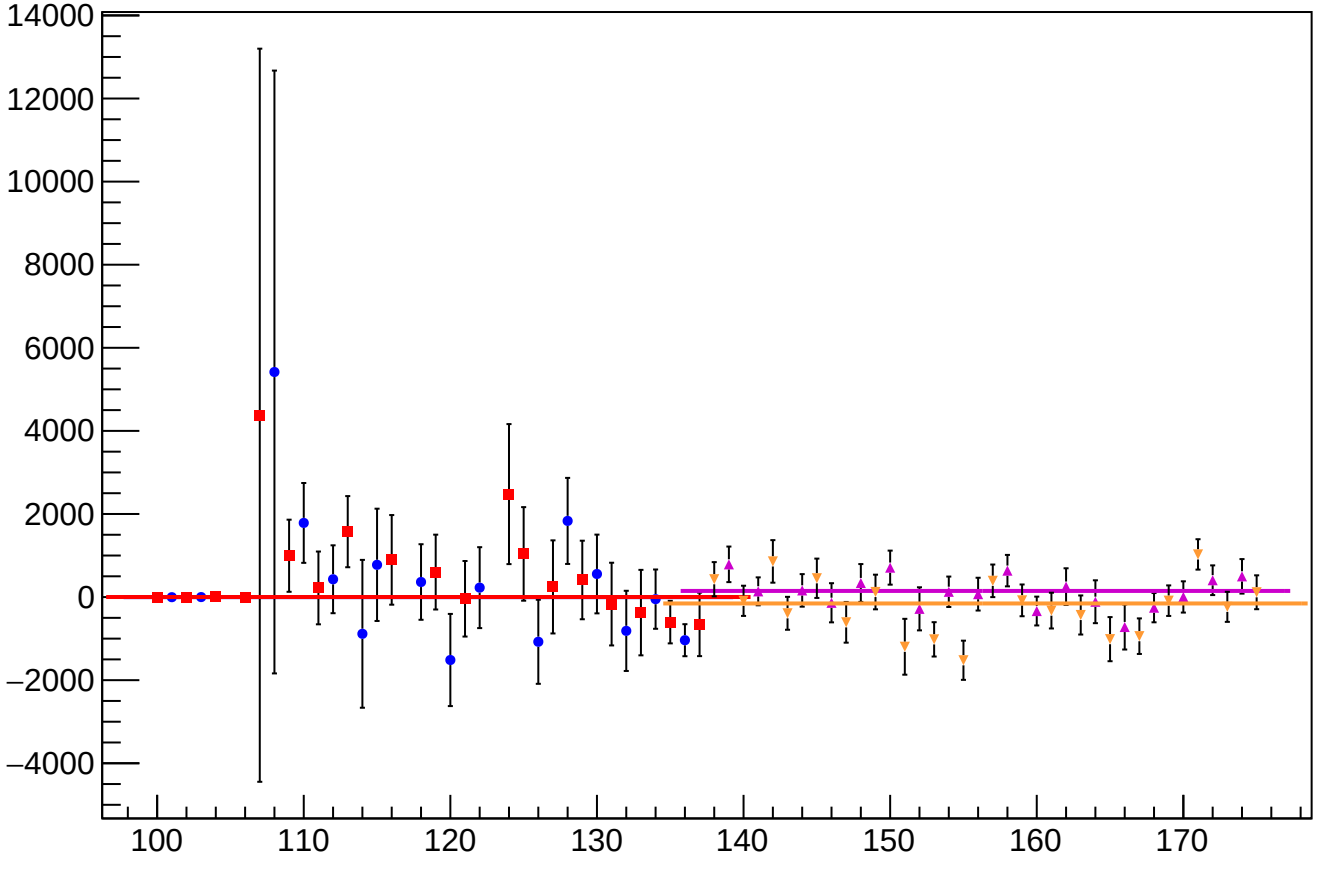
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 188.987+/-0.030 χ^2/NDF:2522035.8/33

Out: 200.261+/-0.031 χ^2/NDF:3174533.0/38

All: 194.446+/-0.021 χ^2/NDF: 5765344.7/72

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -153.710+/-94.749 χ^2/NDF:43.8/19

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 147.800+/-95.326 χ^2/NDF:14.6/17

Left: -3.870+/-67.201 χ^2/NDF: 63.4/37

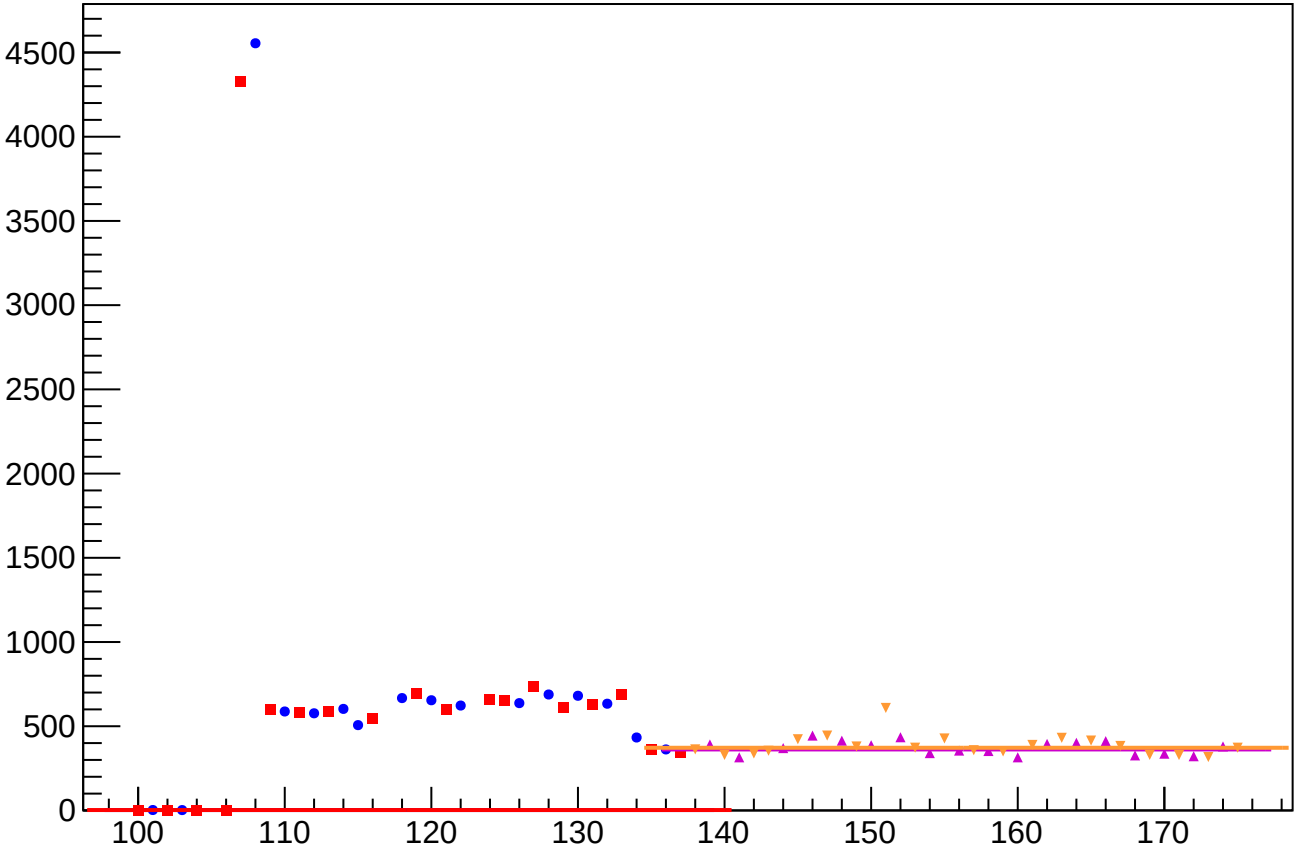
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.162+/-2.170 χ^2/NDF:36.9/33

Out: 1.307+/-2.022 χ^2/NDF:63.3/38

All: 0.160+/-1.479 χ^2/NDF: 101.0/72

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.150+/-0.067 χ^2/NDF:542361.5/19

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 362.211+/-0.067 χ^2/NDF:325410.0/17

Left: 367.211+/-0.048 χ^2/NDF: 878708.8/37

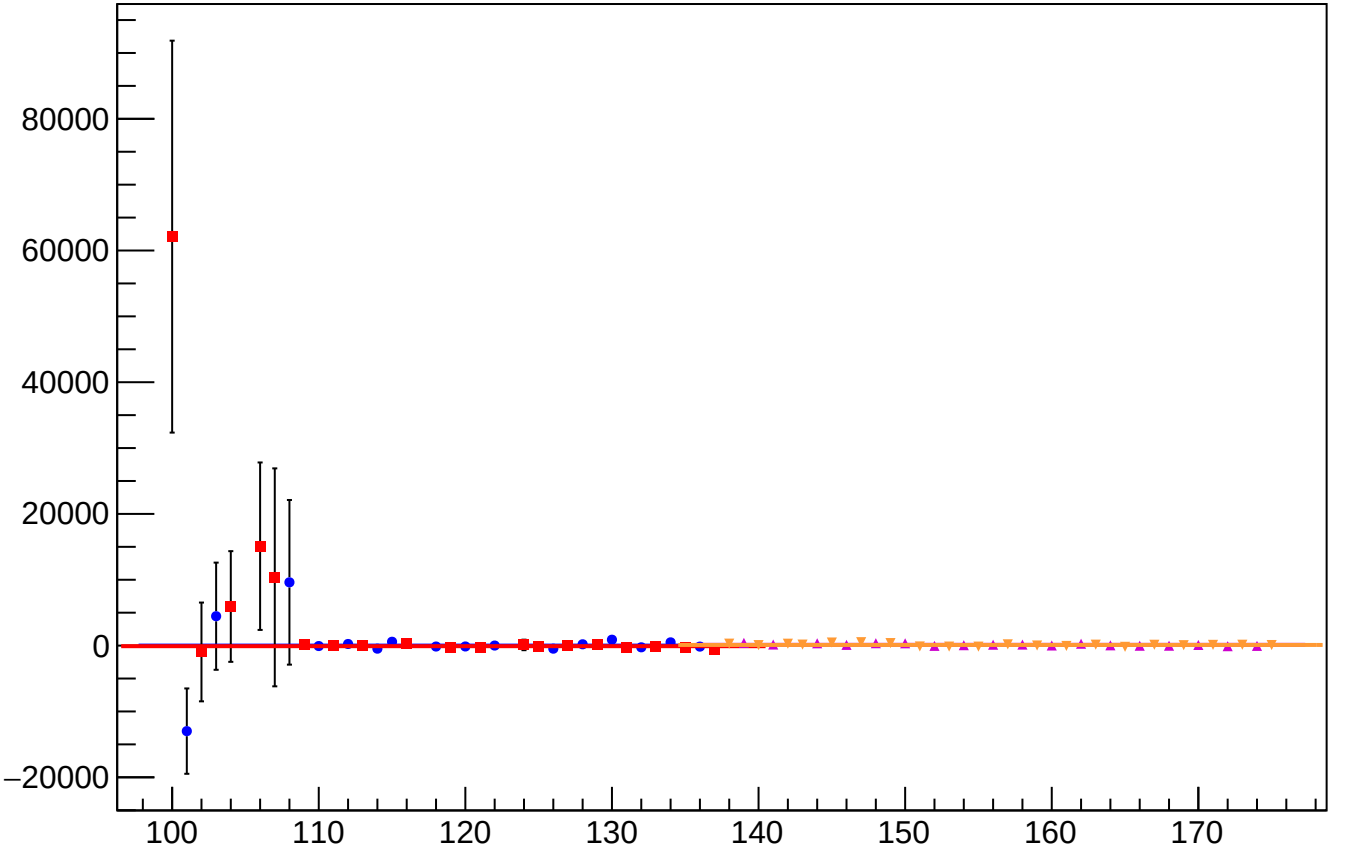
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.663+/-0.002 χ^2/NDF:40418935.6/33

Out: 2.631+/-0.001 χ^2/NDF:42521402.2/38

All: 2.646+/-0.001 χ^2/NDF: 82940580.0/72

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.206+/-58.371 χ^2/NDF:8.3/19

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 115.826+/-53.408 χ^2/NDF:7.2/17

Left: 108.708+/-39.403 χ^2/NDF: 15.5/37

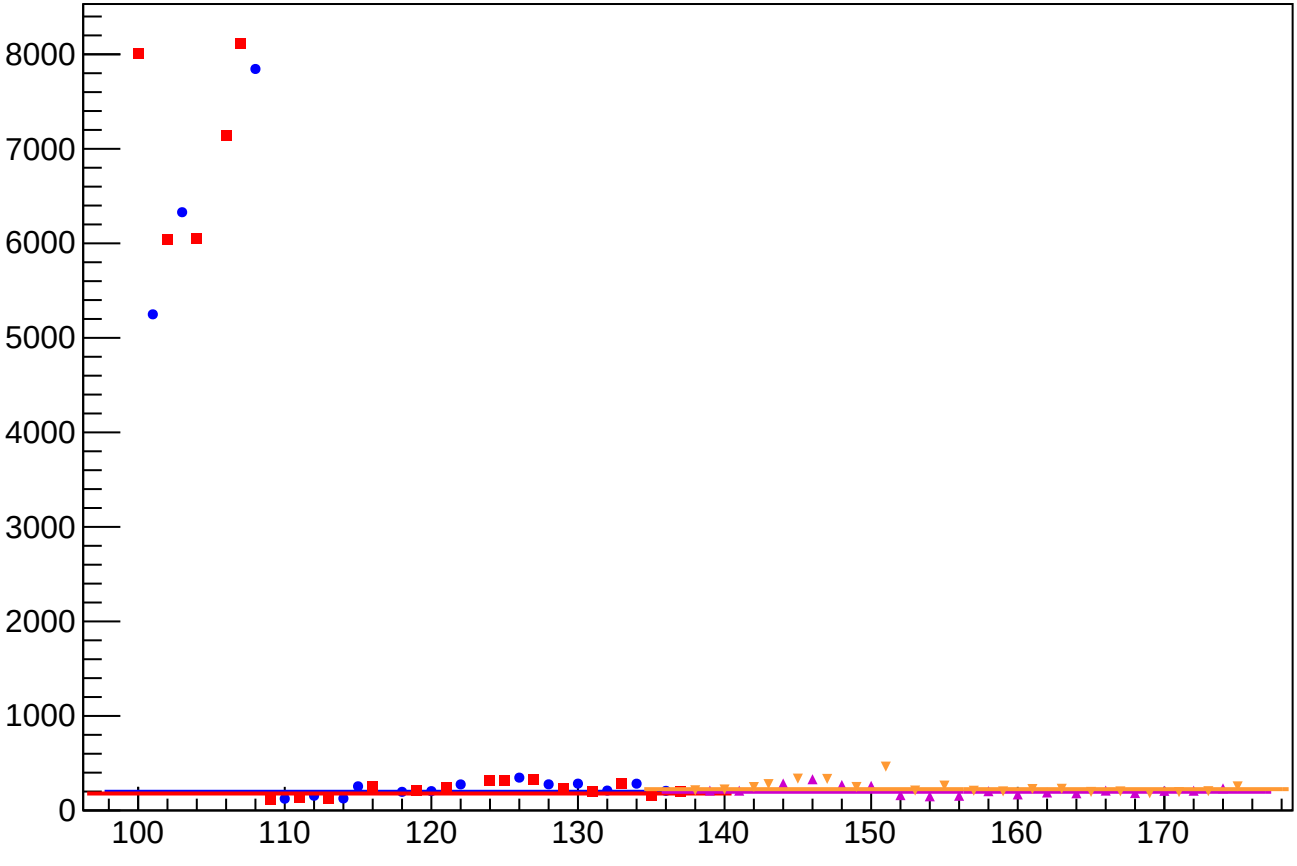
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 84.710+/-45.632 χ^2/NDF:25.3/33

Out: 36.474+/-47.476 χ^2/NDF:26.7/38

All: 61.547+/-32.899 χ^2/NDF: 52.5/72

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 225.340+/-0.041 χ^2/NDF:1162245.7/19

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 197.647+/-0.038 χ^2/NDF:1136807.3/17

Left: 210.266+/-0.028 χ^2/NDF: 2544086.2/37

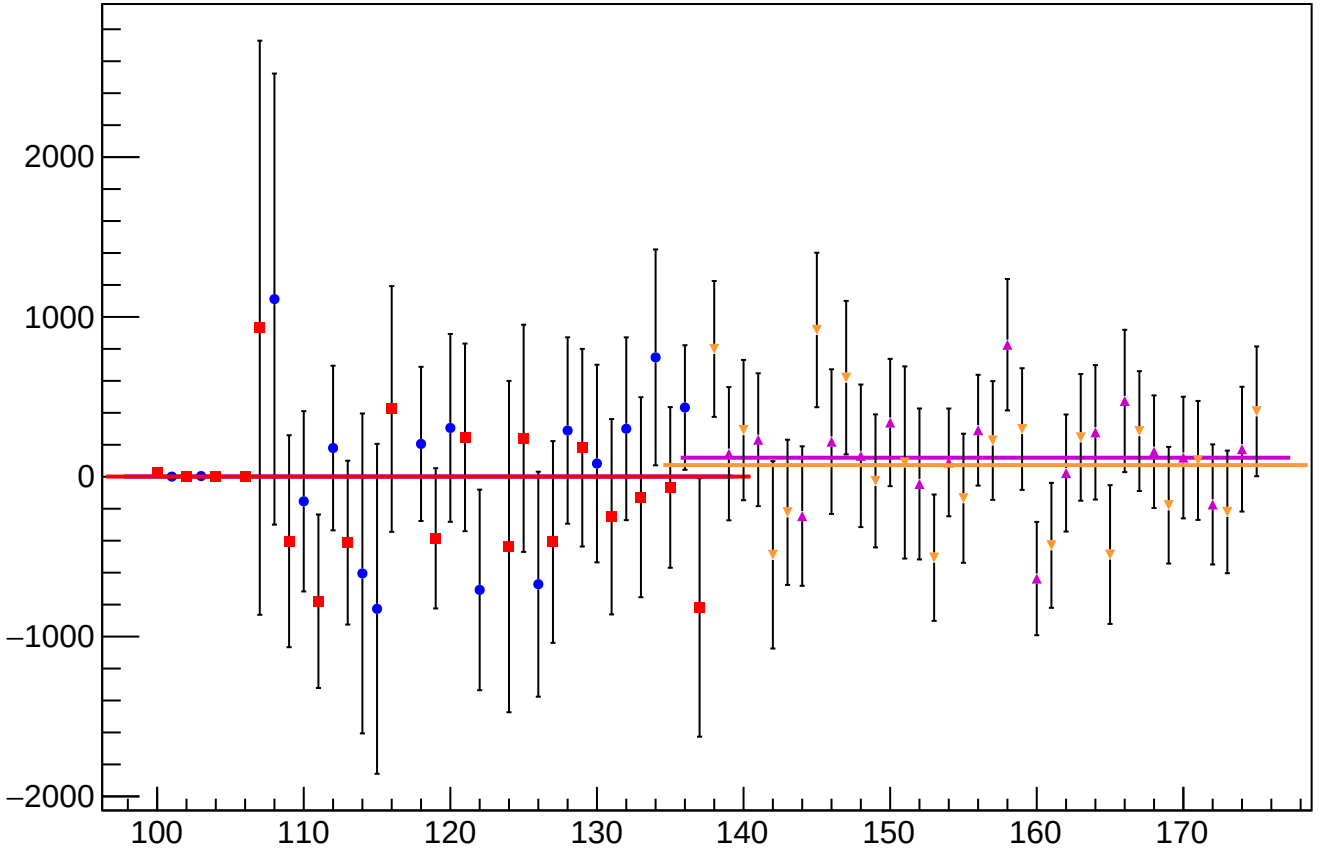
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 197.640+/-0.032 χ^2/NDF:5094000.0/33

Out: 209.740+/-0.034 χ^2/NDF:6002722.6/38

All: 203.450+/-0.023 χ^2/NDF: 11164254.5/72

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.849+/-93.149 χ^2/NDF:17.4/19

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 119.122+/-93.152 χ^2/NDF:10.5/17

Left: 95.985+/-65.867 χ^2/NDF: 28.1/37

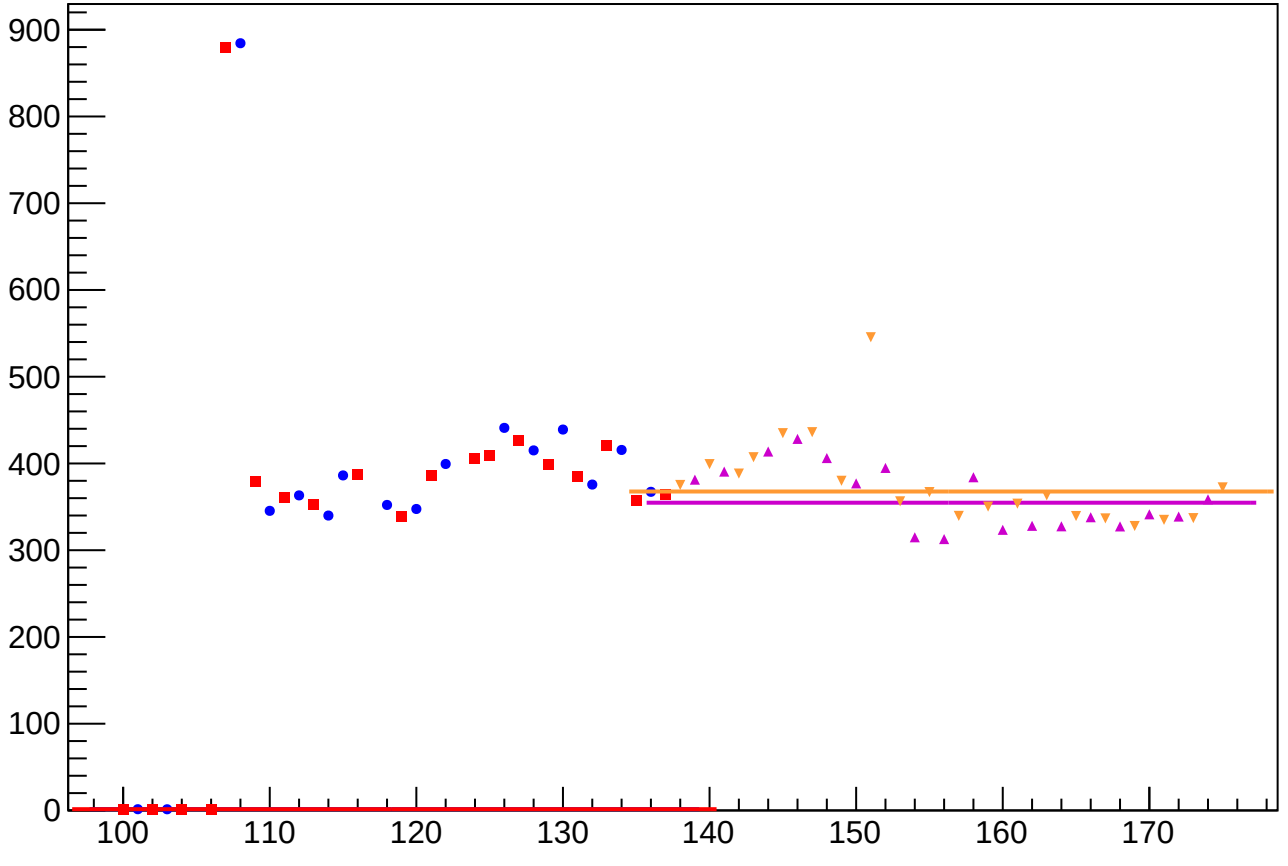
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.493+/-1.660 χ^2/NDF:20.0/33

Out: 1.113+/-1.528 χ^2/NDF:27.2/38

All: 1.287+/-1.124 χ^2/NDF: 47.2/72

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 367.678+/-0.066 χ^2/NDF:379118.7/19

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.751+/-0.066 χ^2/NDF:282771.1/17

Left: 361.214+/-0.047 χ^2/NDF: 681148.3/37

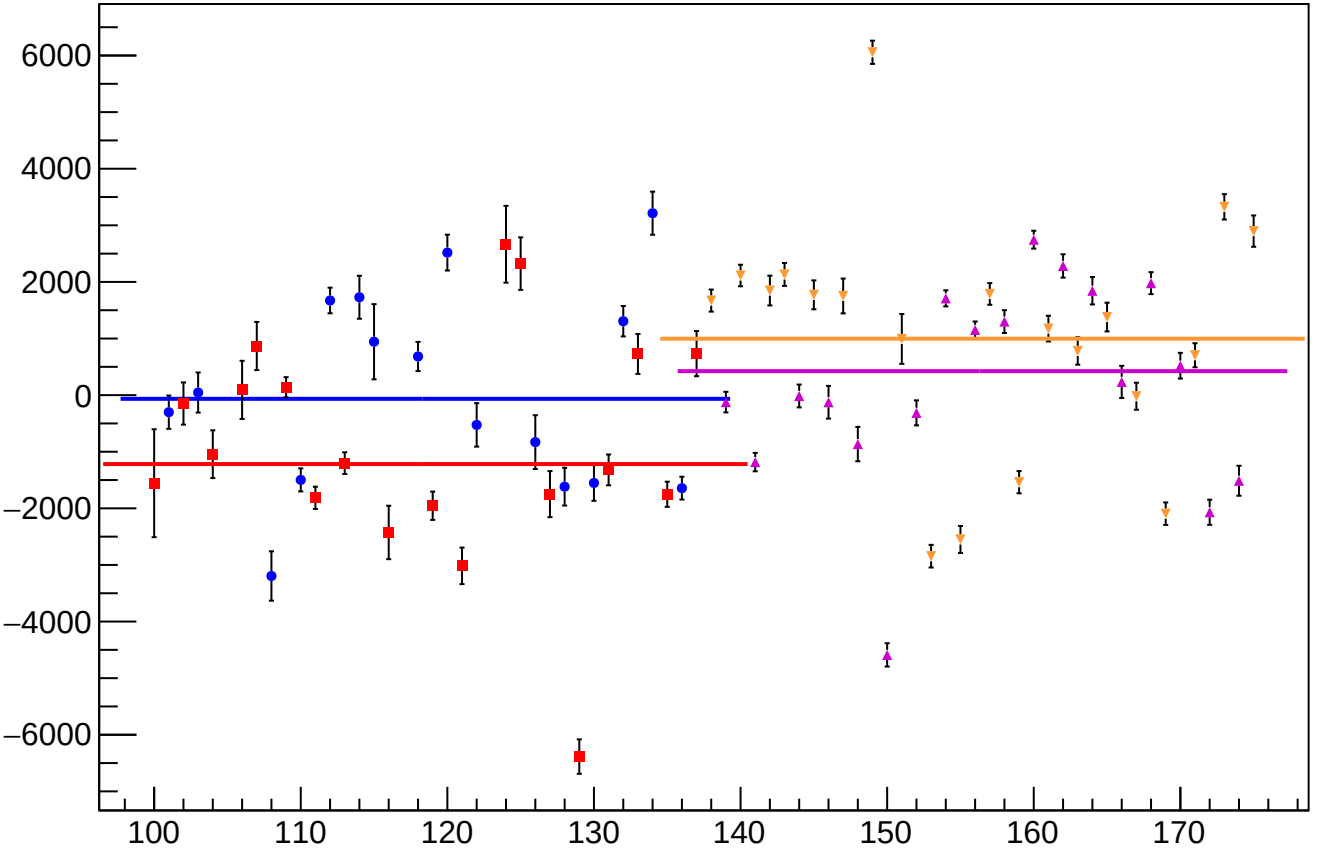
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.582+/-0.001 χ^2/NDF:40775257.3/33

Out: 1.566+/-0.001 χ^2/NDF:42553907.3/38

All: 1.573+/-0.001 χ^2/NDF: 83329274.6/72

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 996.842+/-50.436 χ^2/NDF:1906.3/19

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 423.896+/-47.030 χ^2/NDF:1436.8/17

Left: 690.372+/-34.396 χ^2/NDF: 3412.1/37

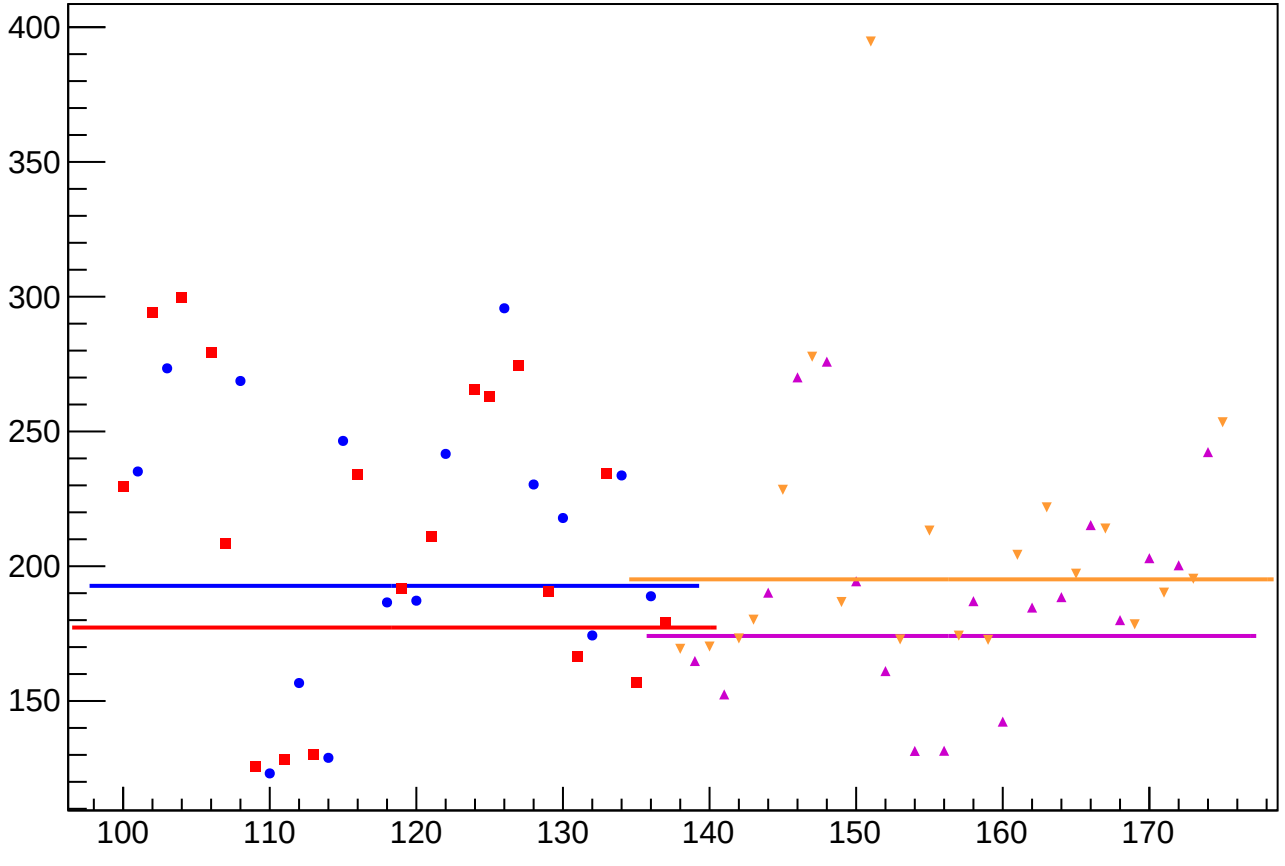
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 285.638+/-39.828 χ^2/NDF:1936.9/33

Out: 225.940+/-40.722 χ^2/NDF:3172.0/38

All: 256.451+/-28.474 χ^2/NDF: 5110.0/72

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 195.133+/-0.036 χ^2/NDF:916159.6/19

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 174.127+/-0.033 χ^2/NDF:1207163.0/17

Left: 183.897+/-0.024 χ^2/NDF: 2308895.4/37

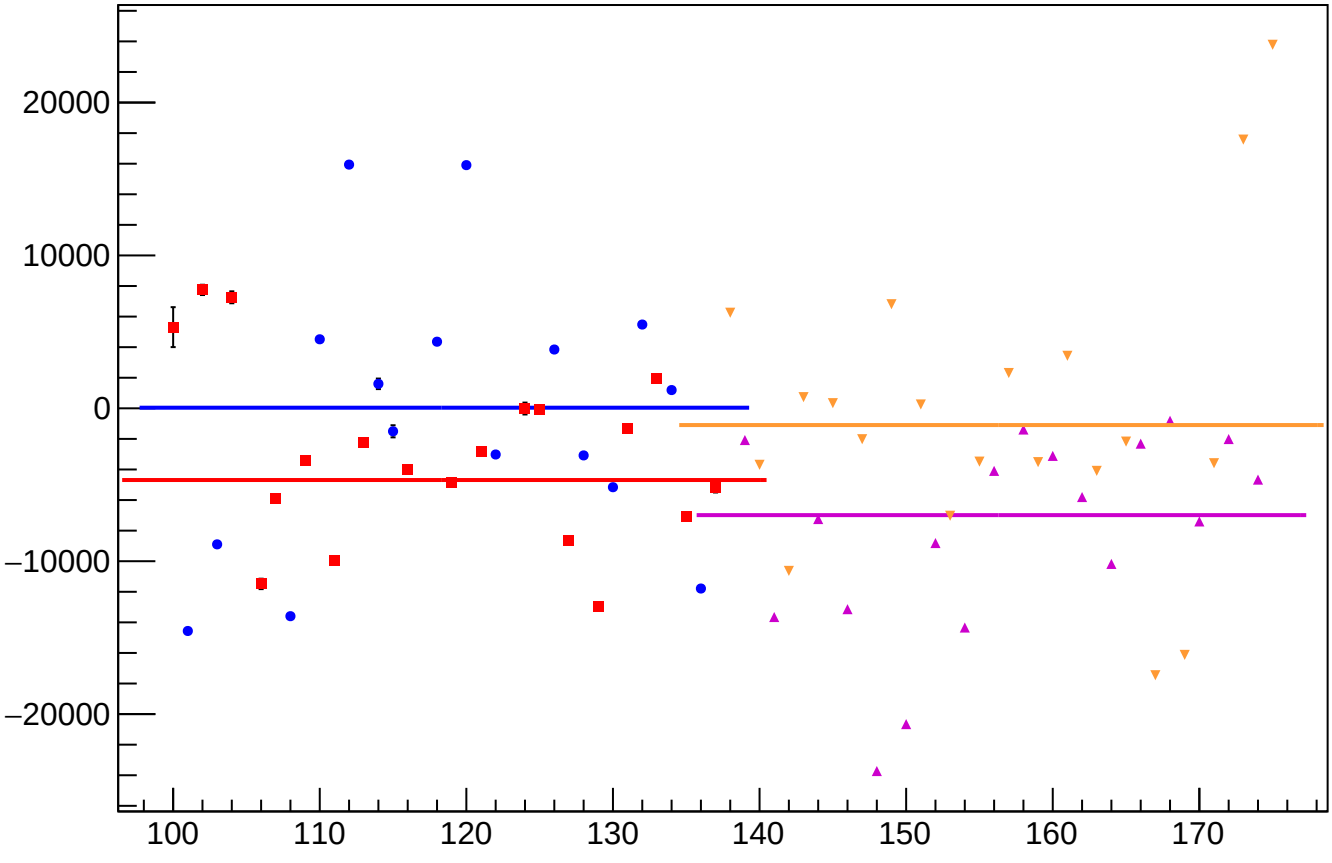
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 179.385+/-0.028 χ^2/NDF:2054703.9/33

Out: 188.909+/-0.029 χ^2/NDF:2229849.4/38

All: 184.041+/-0.020 χ^2/NDF: 4340462.5/72

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1094.660+/-43.346 χ^2/NDF:46148.1/19

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -6985.642+/-45.211 χ^2/NDF:17737.5/17

Left: -3916.132+/-31.289 χ^2/NDF: 72732.1/37

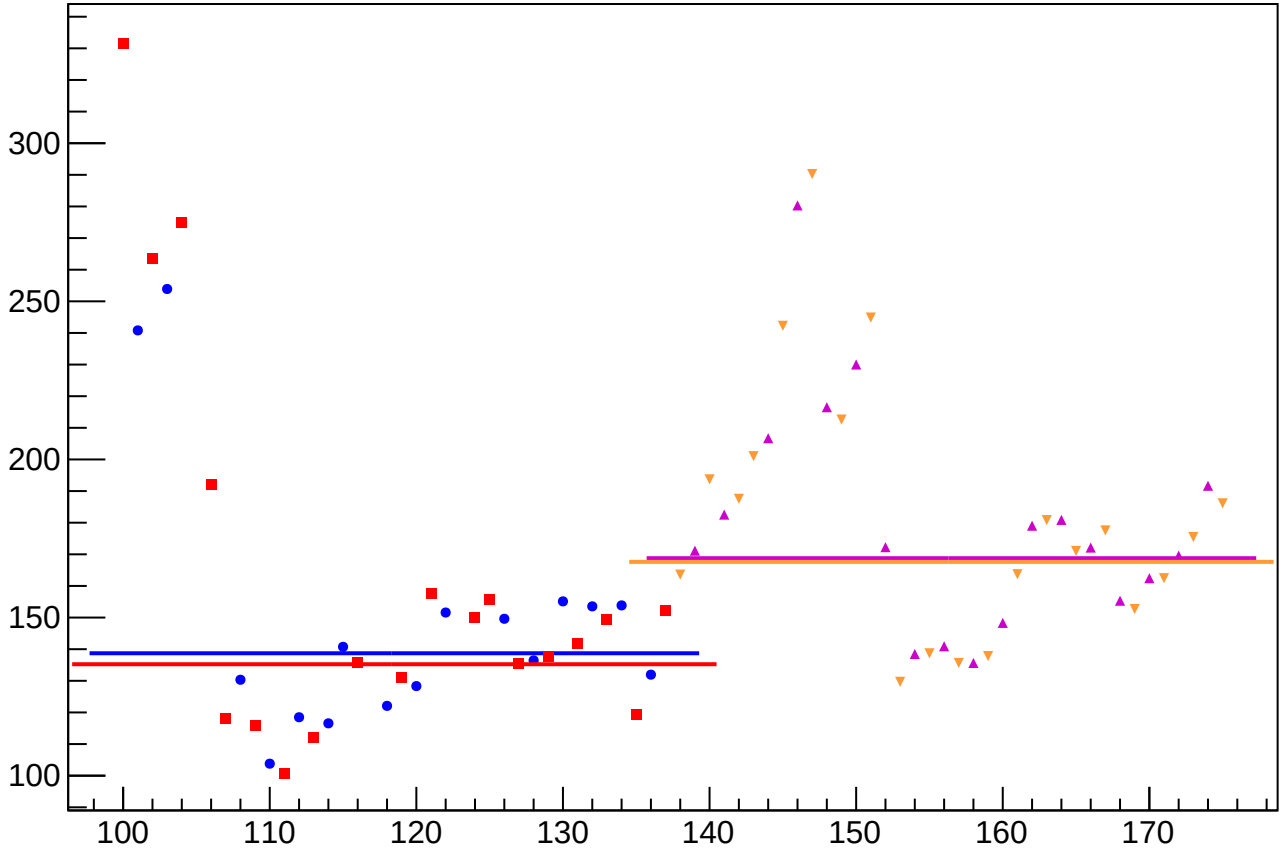
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4102.502+/-34.718 χ^2/NDF:58435.0/33

Out: -2565.360+/-33.320 χ^2/NDF:56757.9/38

All: -3302.370+/-24.040 χ^2/NDF: 116213.2/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

Left: 168.167+/-0.022 χ^2/NDF: 2065705.0/37

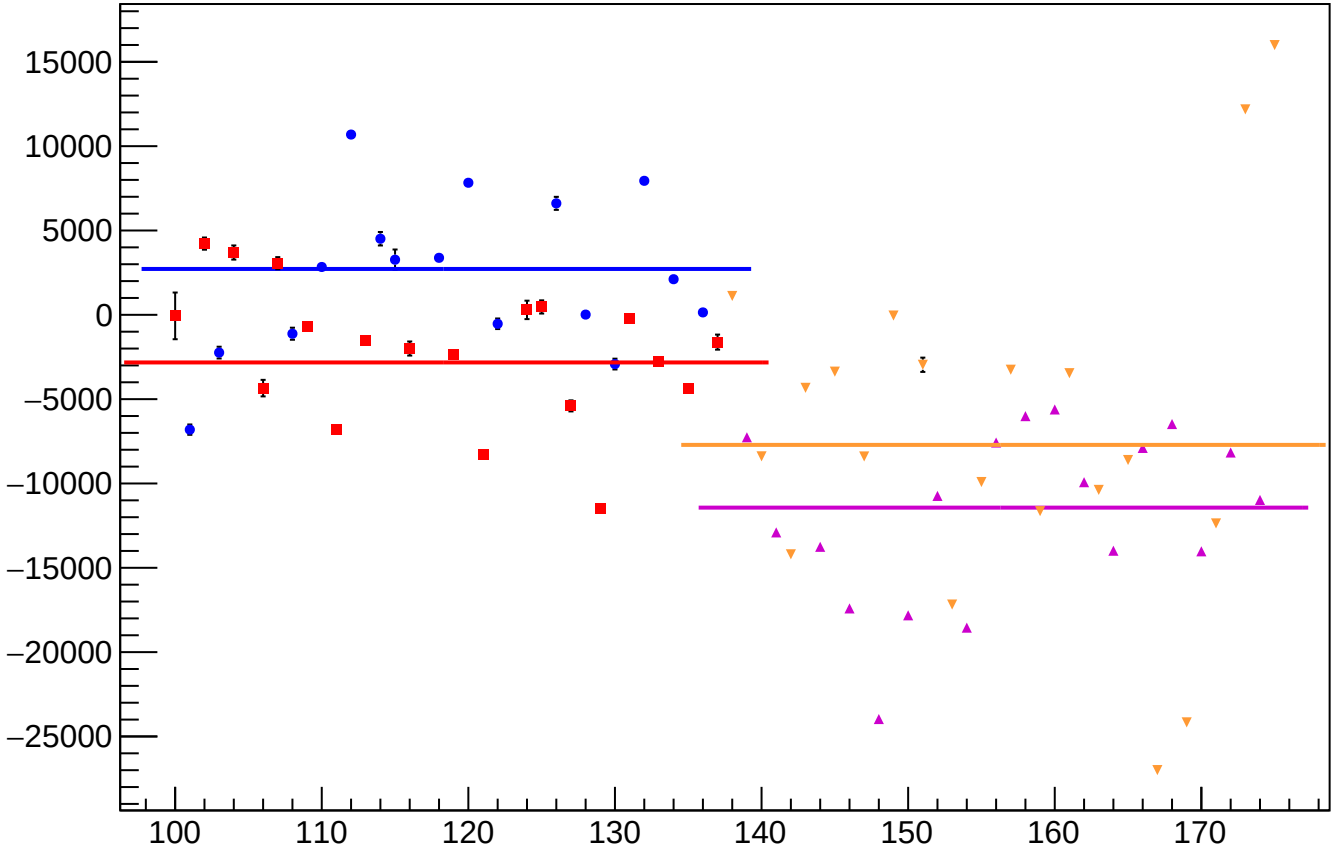
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.435+/-0.025 χ^2/NDF:1905928.6/33

Out: 154.373+/-0.024 χ^2/NDF:2525869.7/38

All: 155.361+/-0.017 χ^2/NDF: 4435470.9/72

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11431.955+/-48.267 χ^2/NDF:10574.4/17

Left: -9670.838+/-35.024 χ^2/NDF: 52534.9/37

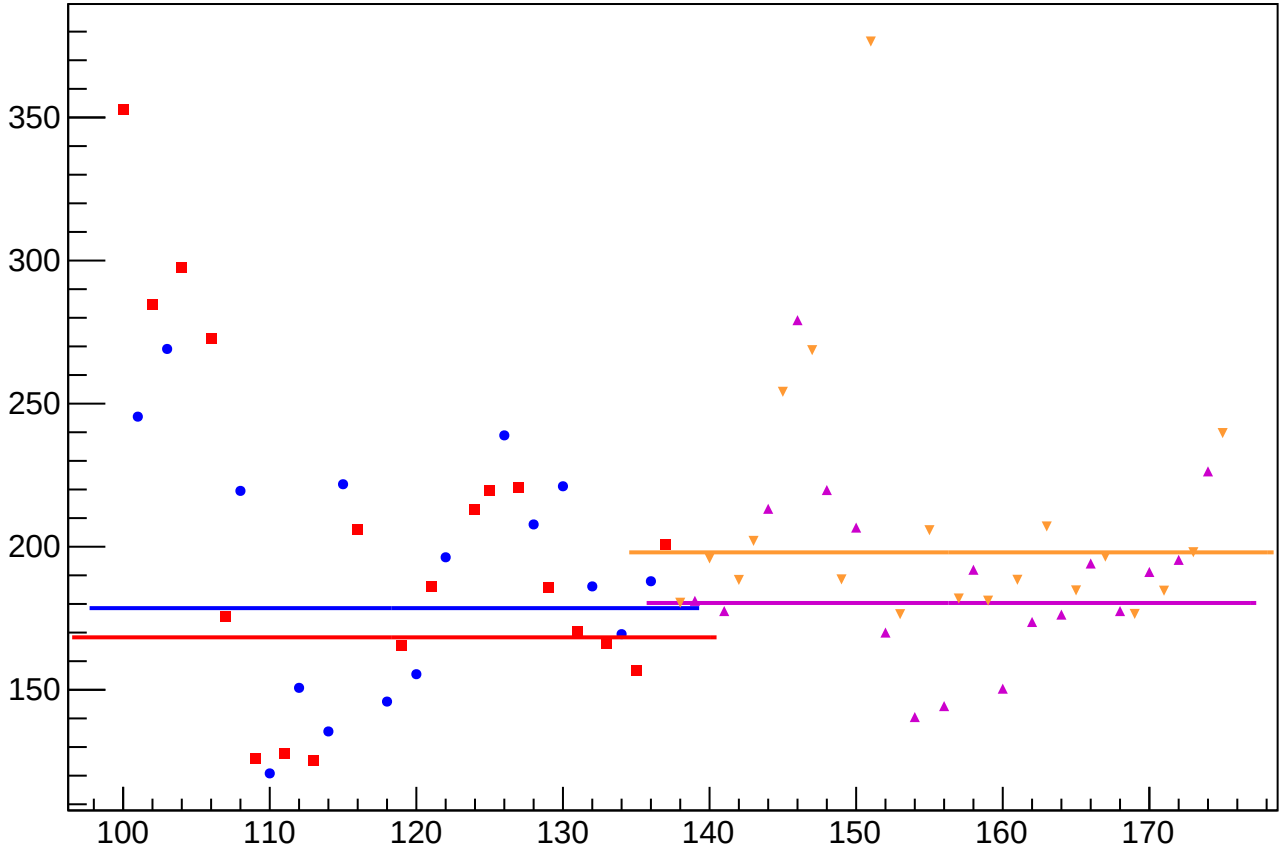
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6804.540+/-39.597 χ^2/NDF:42813.0/33

Out: -5848.556+/-40.041 χ^2/NDF:45727.5/38

All: -6331.873+/-28.155 χ^2/NDF: 88828.8/72

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

Left: 188.716+/-0.025 χ^2/NDF: 1594651.3/37

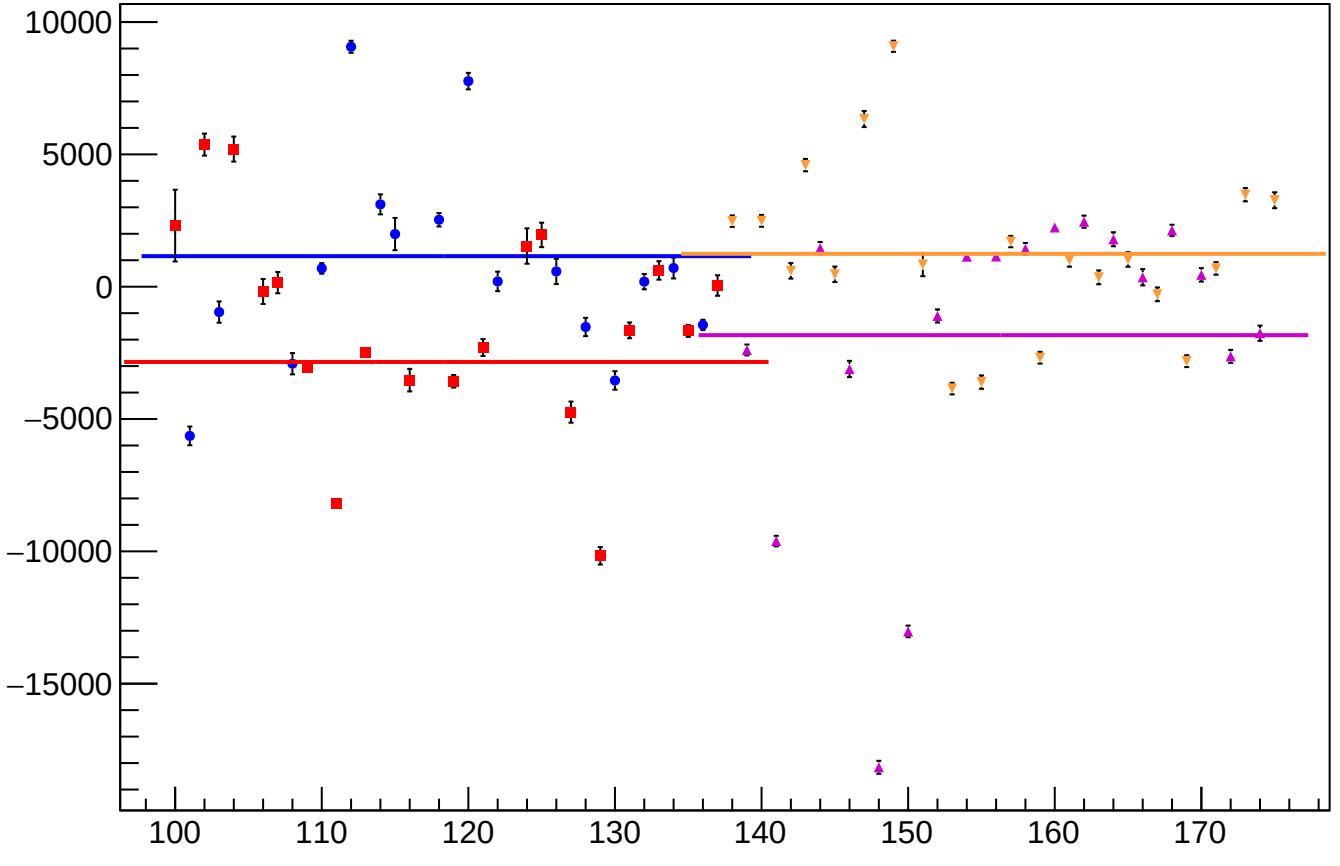
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.754+/-0.028 χ^2/NDF:1426124.7/33

Out: 186.709+/-0.028 χ^2/NDF:1955832.1/38

All: 183.193+/-0.020 χ^2/NDF: 3412460.7/72

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1831.110+/-52.801 χ^2/NDF:11093.1/17

Left: -378.617+/-38.346 χ^2/NDF: 16356.5/37

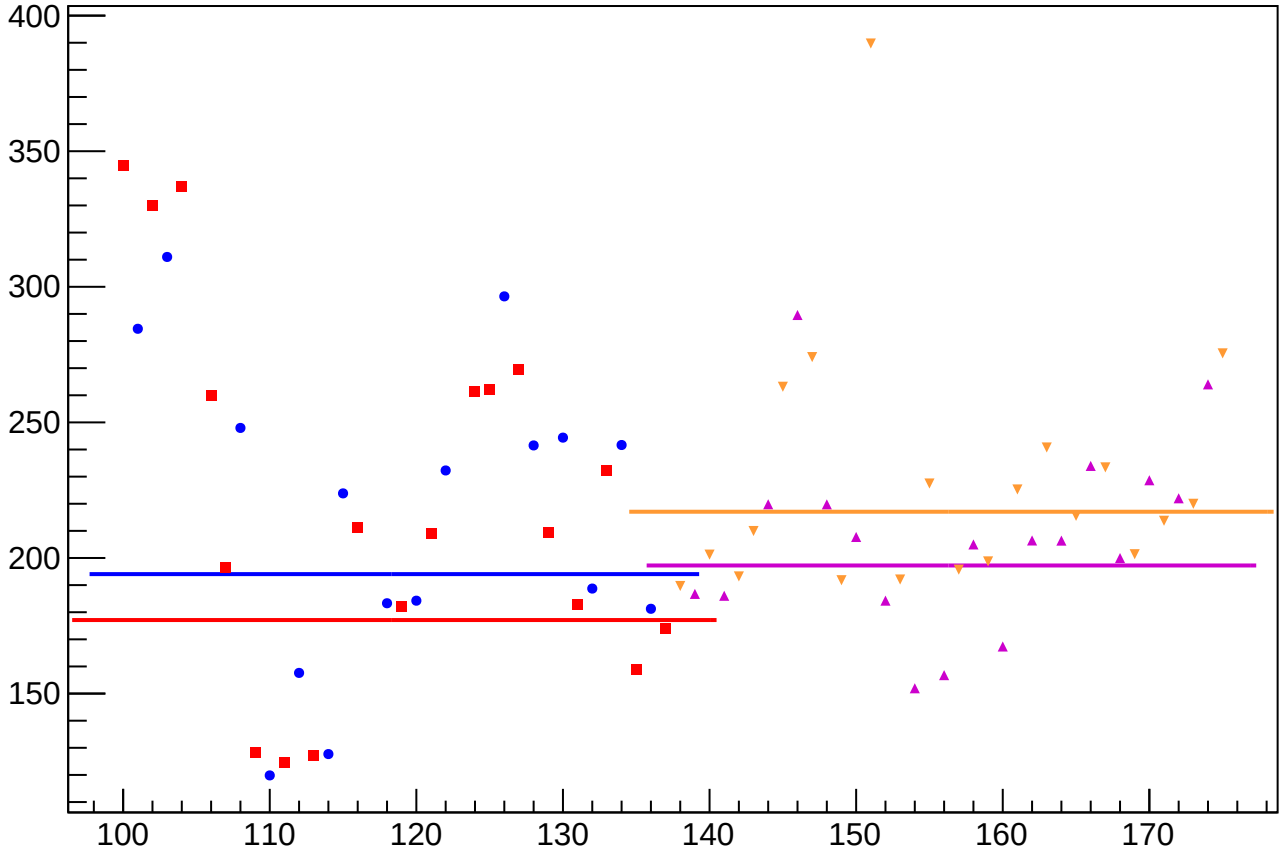
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -858.629+/-43.355 χ^2/NDF:14789.6/33

Out: -368.706+/-43.412 χ^2/NDF:8231.1/38

All: -613.991+/-30.677 χ^2/NDF: 23084.5/72

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

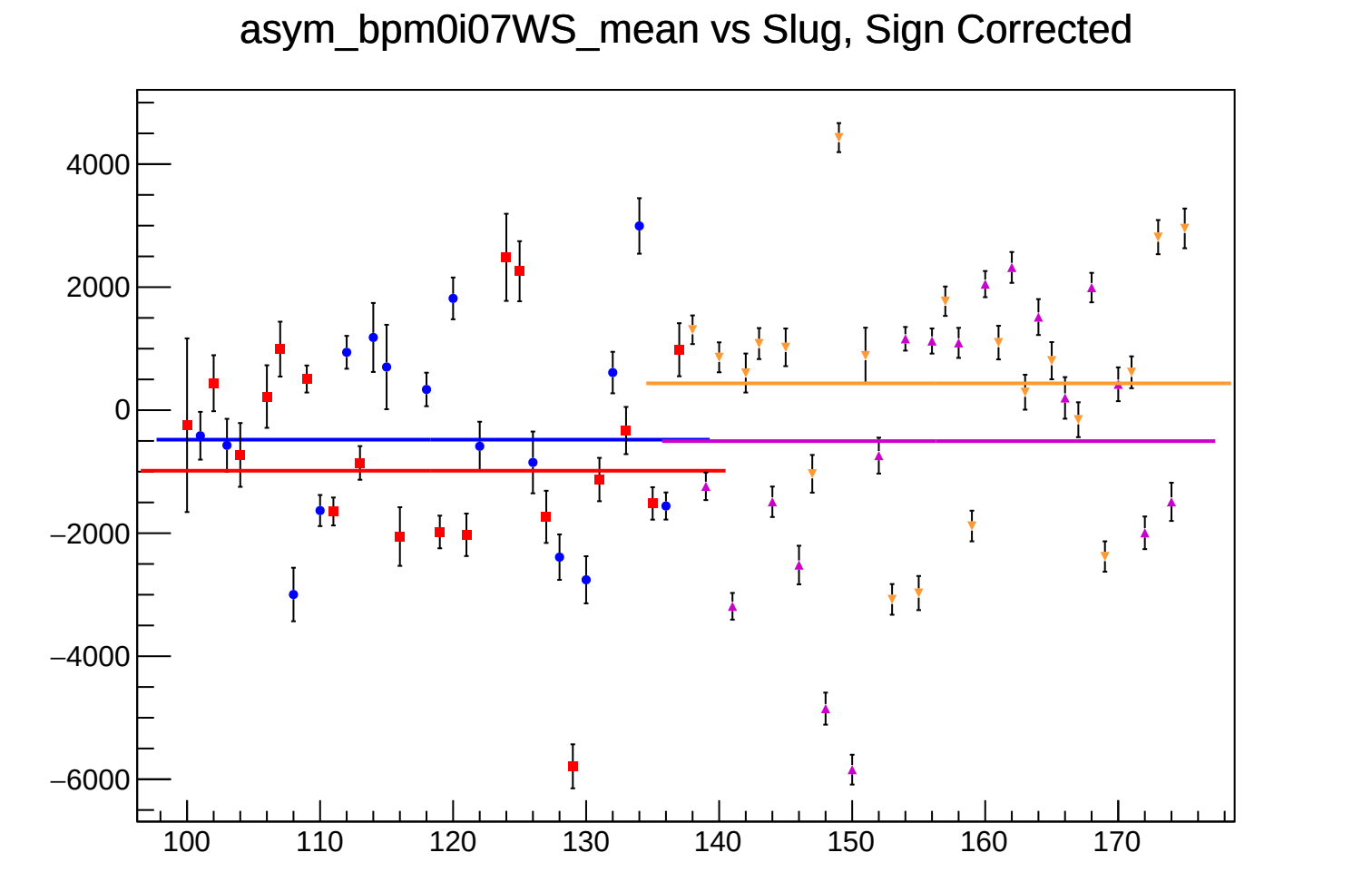
Left: 206.605+/-0.027 χ^2/NDF: 1561533.9/37

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.200+/-0.031 χ^2/NDF:1707664.2/33

Out: 201.310+/-0.031 χ^2/NDF:2452536.6/38

All: 198.752+/-0.022 χ^2/NDF: 4174073.9/72



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -502.811+/-58.448 χ^2/NDF:1651.7/17

Left: -51.589+/-42.122 χ^2/NDF: 2857.3/37

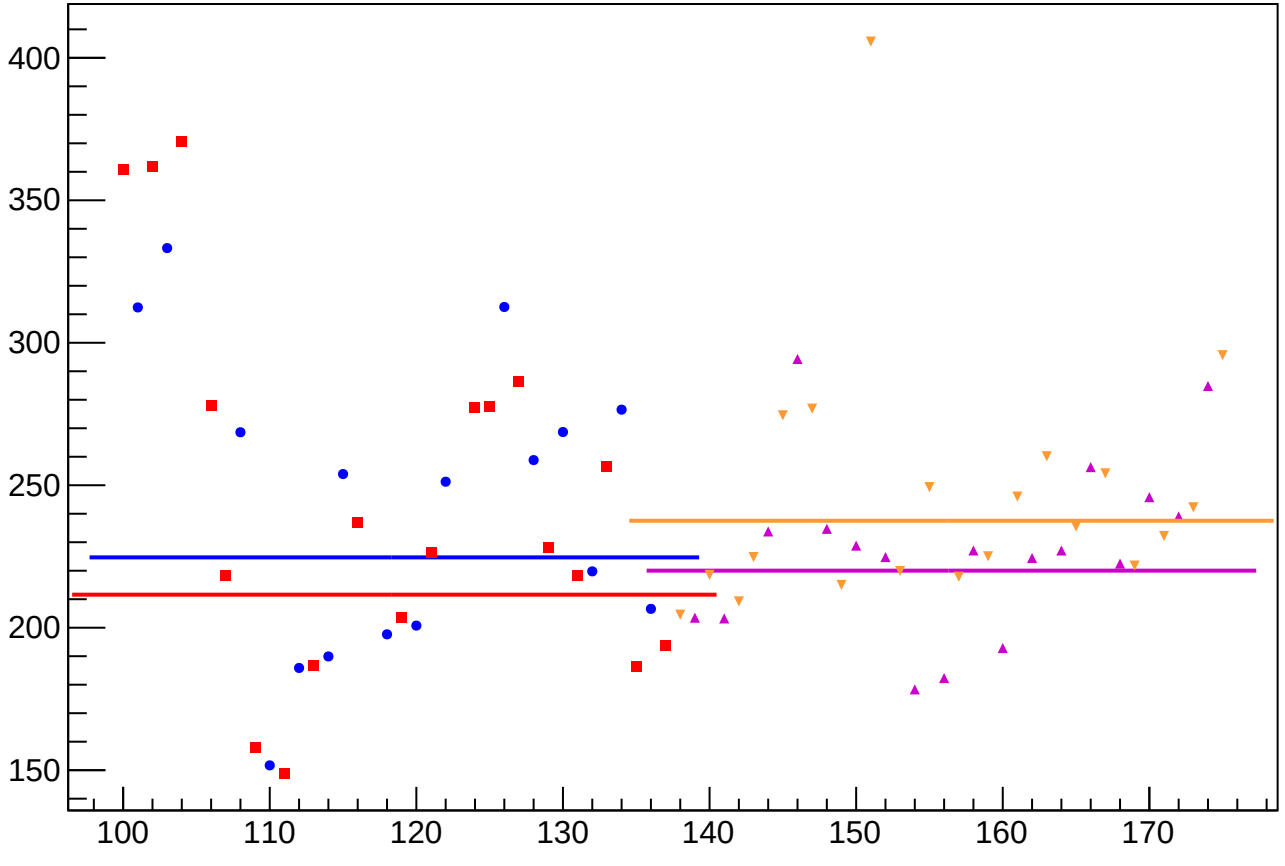
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -495.463+/-48.461 χ^2/NDF:1957.2/33

Out: -75.907+/-48.593 χ^2/NDF:1676.6/38

All: -286.253+/-34.314 χ^2/NDF: 3671.2/72

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

Left: 228.446+/-0.030 χ^2/NDF: 1129517.1/37

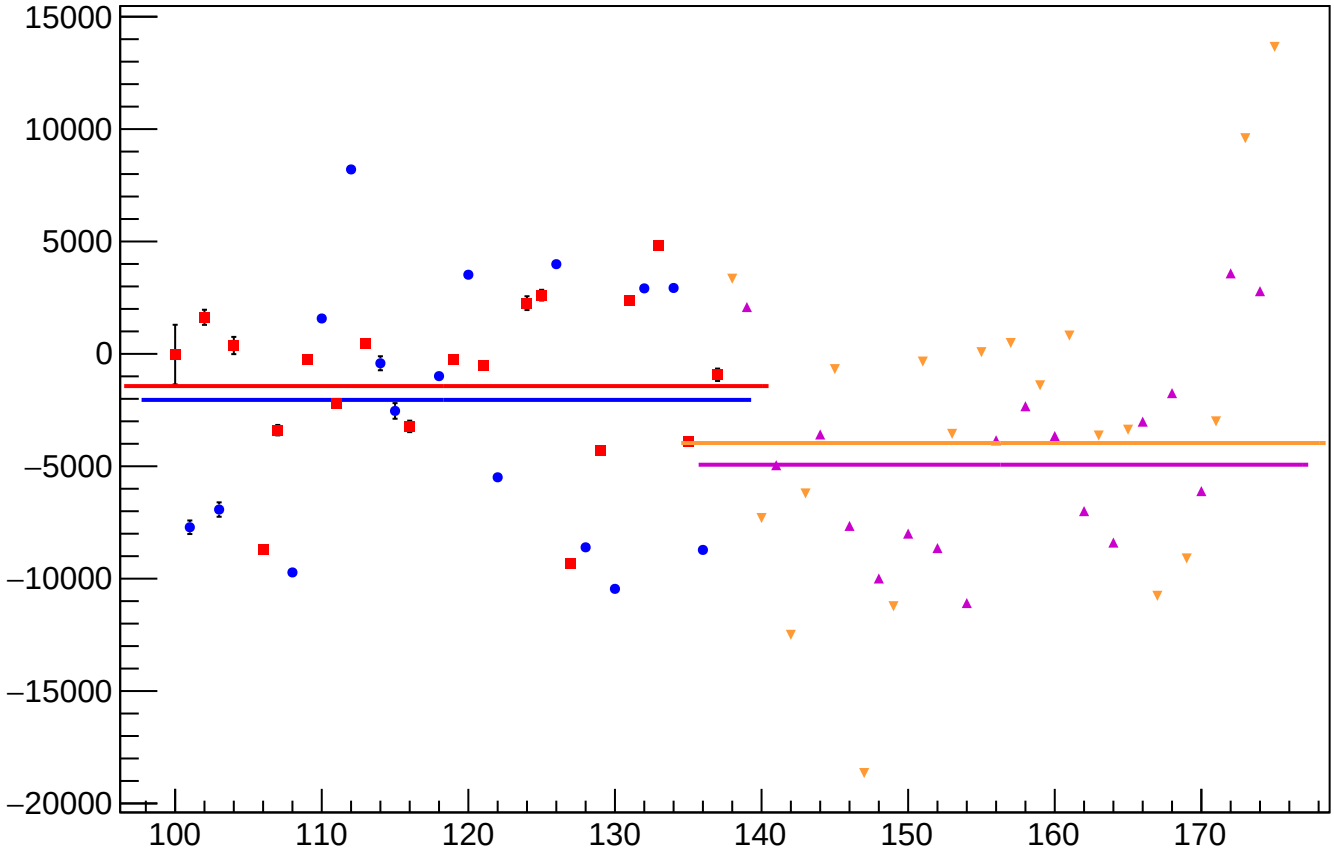
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 221.485+/-0.034 χ^2/NDF:1144069.3/33

Out: 228.190+/-0.034 χ^2/NDF:1620665.7/38

All: 224.828+/-0.024 χ^2/NDF: 2783825.5/72

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4930.863+/-33.492 χ^2/NDF:14639.5/17

Left: -4430.379+/-23.234 χ^2/NDF: 61979.7/37

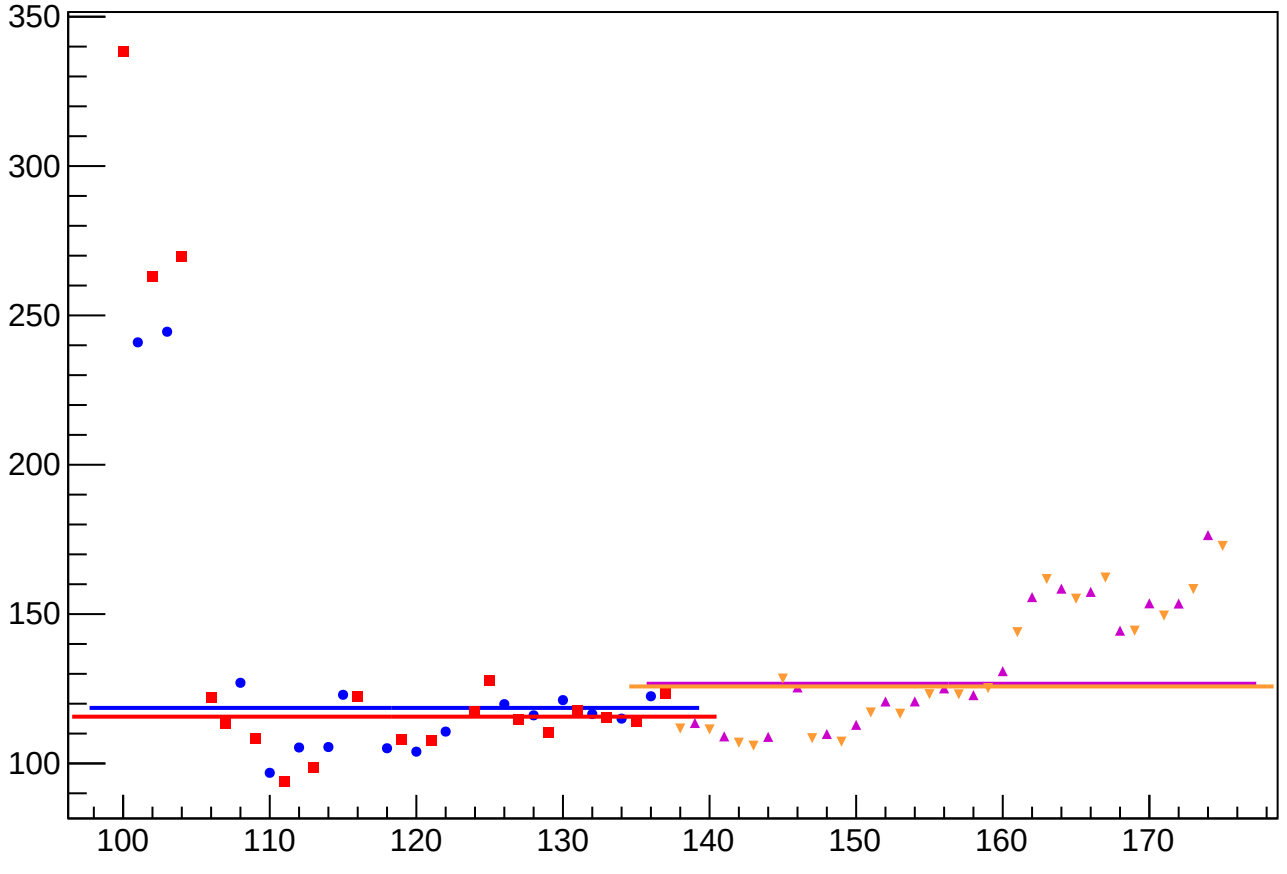
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3952.053+/-27.221 χ^2/NDF:33864.8/33

Out: -3099.301+/-26.164 χ^2/NDF:55407.5/38

All: -3508.808+/-18.863 χ^2/NDF: 89782.4/72

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

Left: 126.210+/-0.016 χ^2/NDF: 1327925.3/37

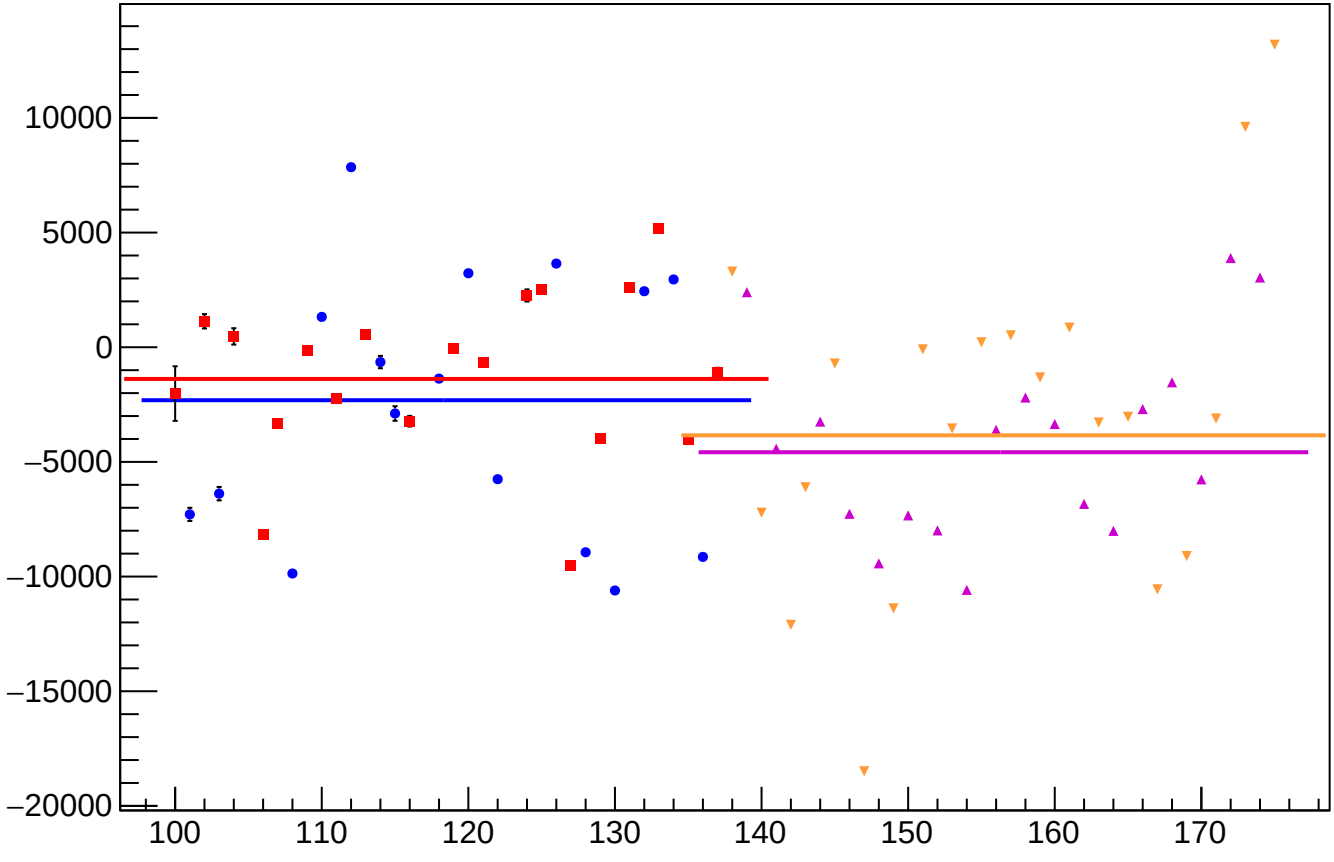
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 123.937+/-0.019 χ^2/NDF:1368805.9/33

Out: 122.313+/-0.019 χ^2/NDF:1663547.9/38

All: 123.093+/-0.013 χ^2/NDF: 3036054.6/72

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3840.321+/-29.020 χ^2/NDF:55088.3/19

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4578.491+/-30.131 χ^2/NDF:17084.1/17

Left: -4195.541+/-20.902 χ^2/NDF: 72483.7/37

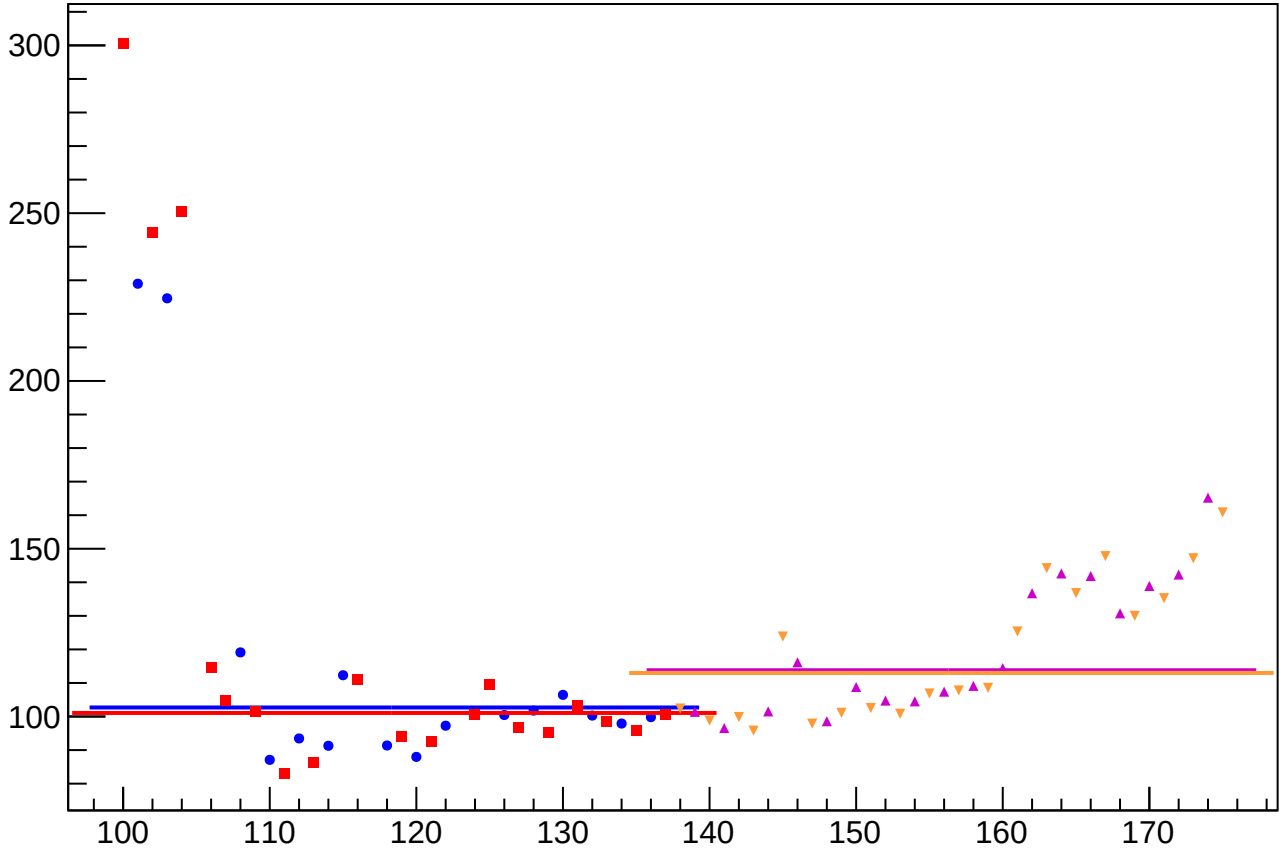
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3776.439+/-24.224 χ^2/NDF:40767.1/33

Out: -2974.135+/-23.354 χ^2/NDF:66195.4/38

All: -3360.613+/-16.813 χ^2/NDF: 107531.0/7

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 112.984+/-0.021 χ^2/NDF:760367.3/19

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 113.795+/-0.021 χ^2/NDF:629322.1/17

Left: 113.374+/-0.015 χ^2/NDF: 1390441.5/37

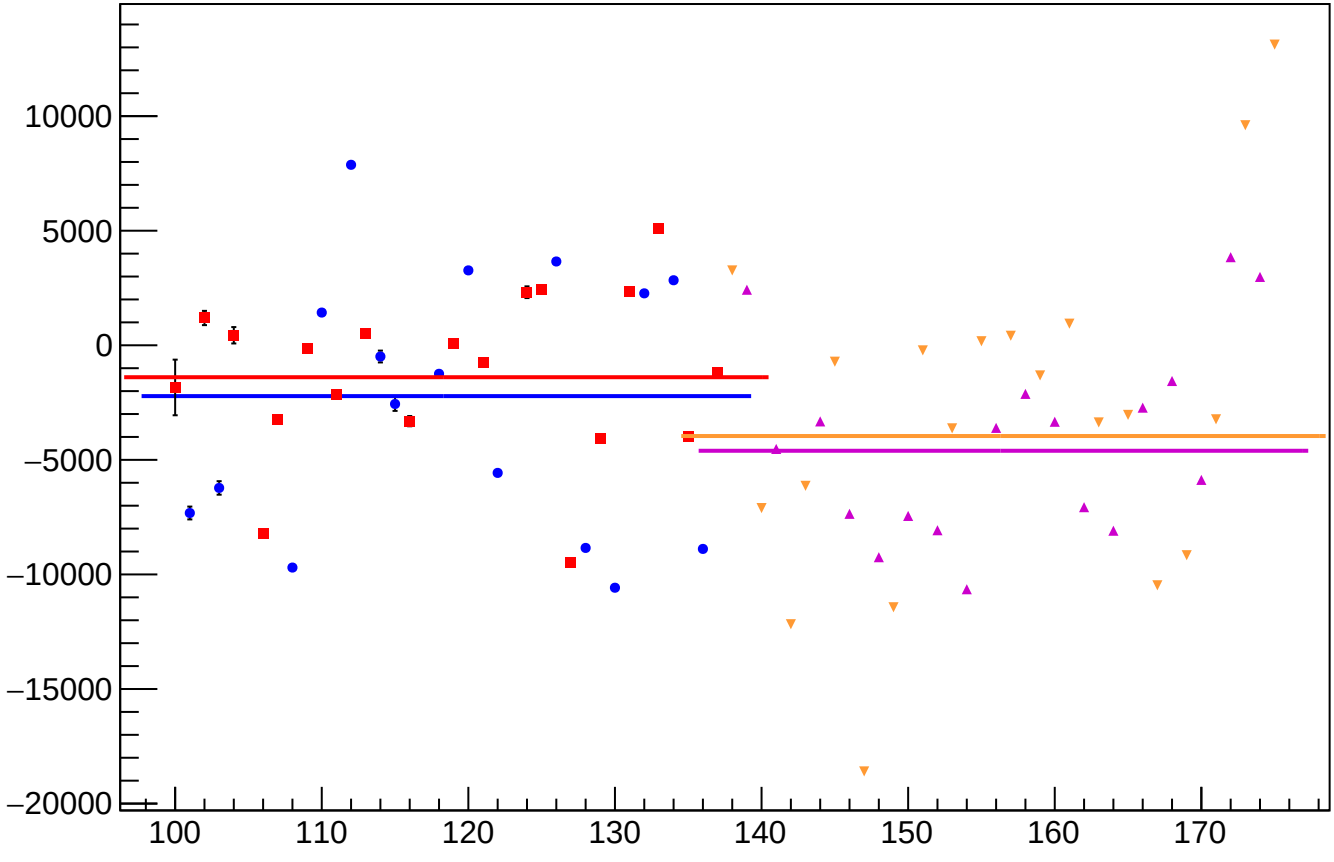
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 109.869+/-0.017 χ^2/NDF:1551134.3/33

Out: 108.783+/-0.017 χ^2/NDF:1809738.5/38

All: 109.306+/-0.012 χ^2/NDF: 3362955.1/72

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3960.158+/-28.399 χ^2/NDF:59020.8/19

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4603.169+/-29.456 χ^2/NDF:18047.4/17

Left: -4269.916+/-20.445 χ^2/NDF: 77315.2/37

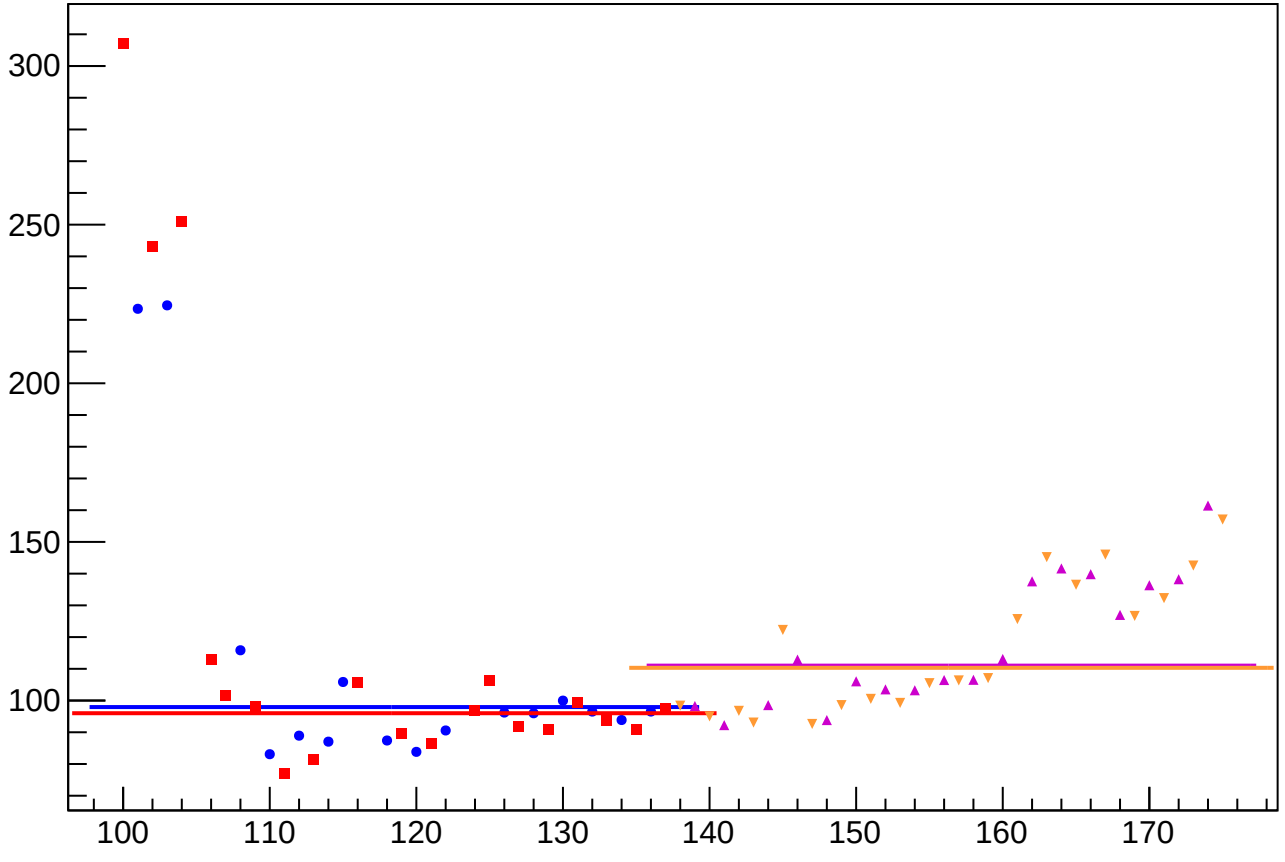
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3737.874+/-23.514 χ^2/NDF:43466.7/33

Out: -3027.202+/-22.657 χ^2/NDF:71141.9/38

All: -3369.356+/-16.315 χ^2/NDF: 115082.3/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 110.313+/-0.020 χ^2/NDF:829891.4/19

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 111.004+/-0.021 χ^2/NDF:680852.4/17

Left: 110.646+/-0.014 χ^2/NDF: 1511313.3/37

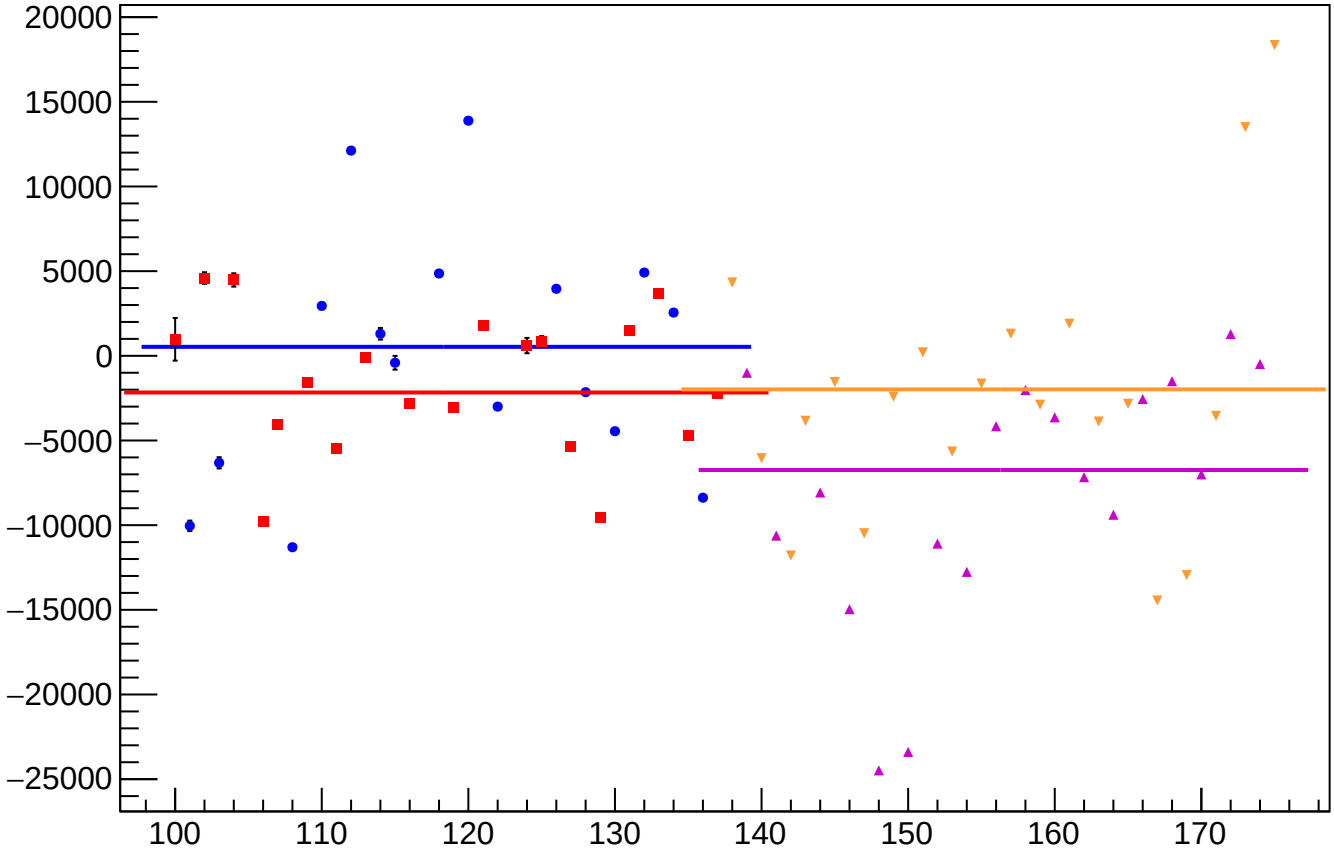
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 106.266+/-0.017 χ^2/NDF:1691629.1/33

Out: 105.112+/-0.016 χ^2/NDF:2026723.8/38

All: 105.667+/-0.012 χ^2/NDF: 3720848.9/72

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1982.802+/-40.040 χ^2/NDF:31743.1/19

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6741.682+/-42.244 χ^2/NDF:19982.9/17

Left: -4234.830+/-29.060 χ^2/NDF: 58411.0/37

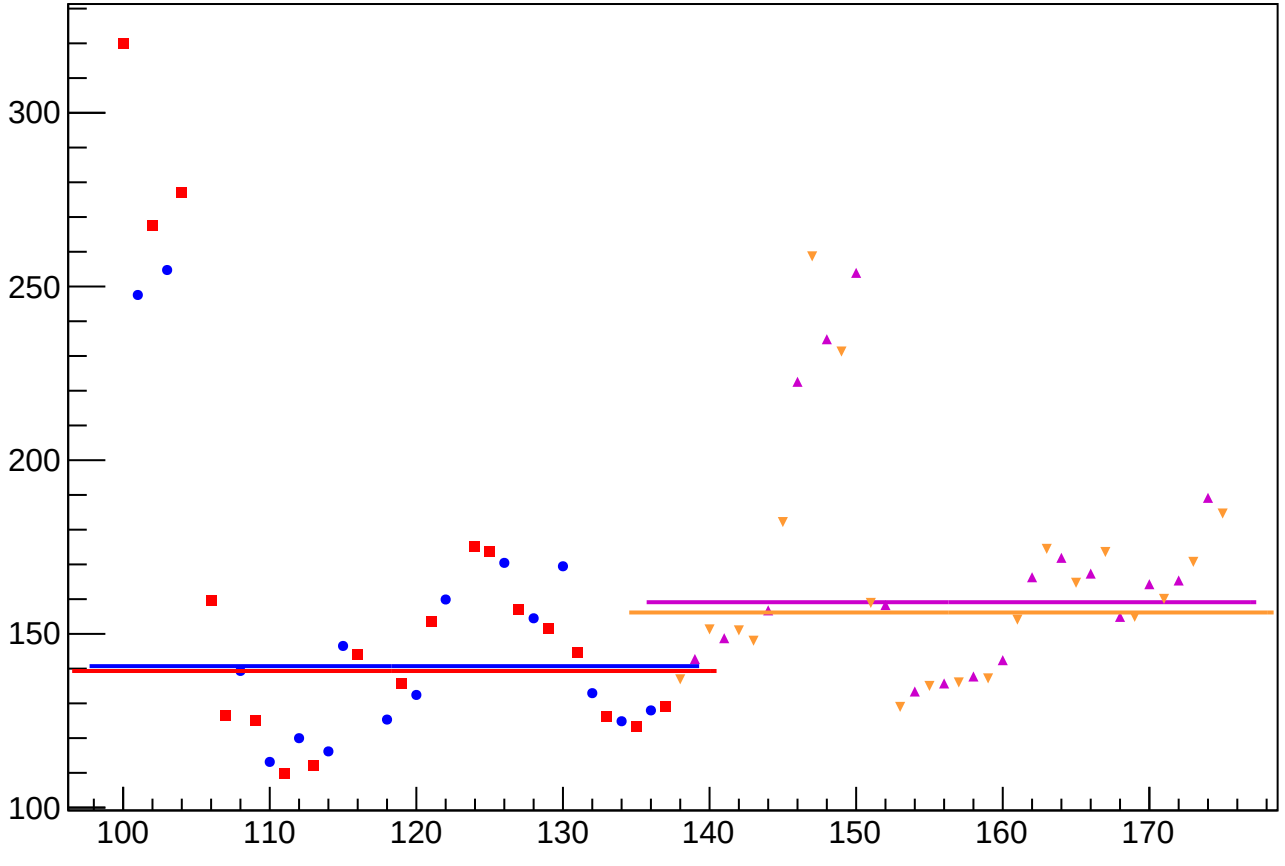
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4034.354+/-33.470 χ^2/NDF:49603.0/33

Out: -2048.278+/-32.047 χ^2/NDF:36717.7/38

All: -2998.220+/-23.147 χ^2/NDF: 88157.7/72

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 156.162+/-0.028 χ^2/NDF:775320.9/19

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 159.121+/-0.030 χ^2/NDF:827542.4/17

Left: 157.563+/-0.021 χ^2/NDF: 1608031.7/37

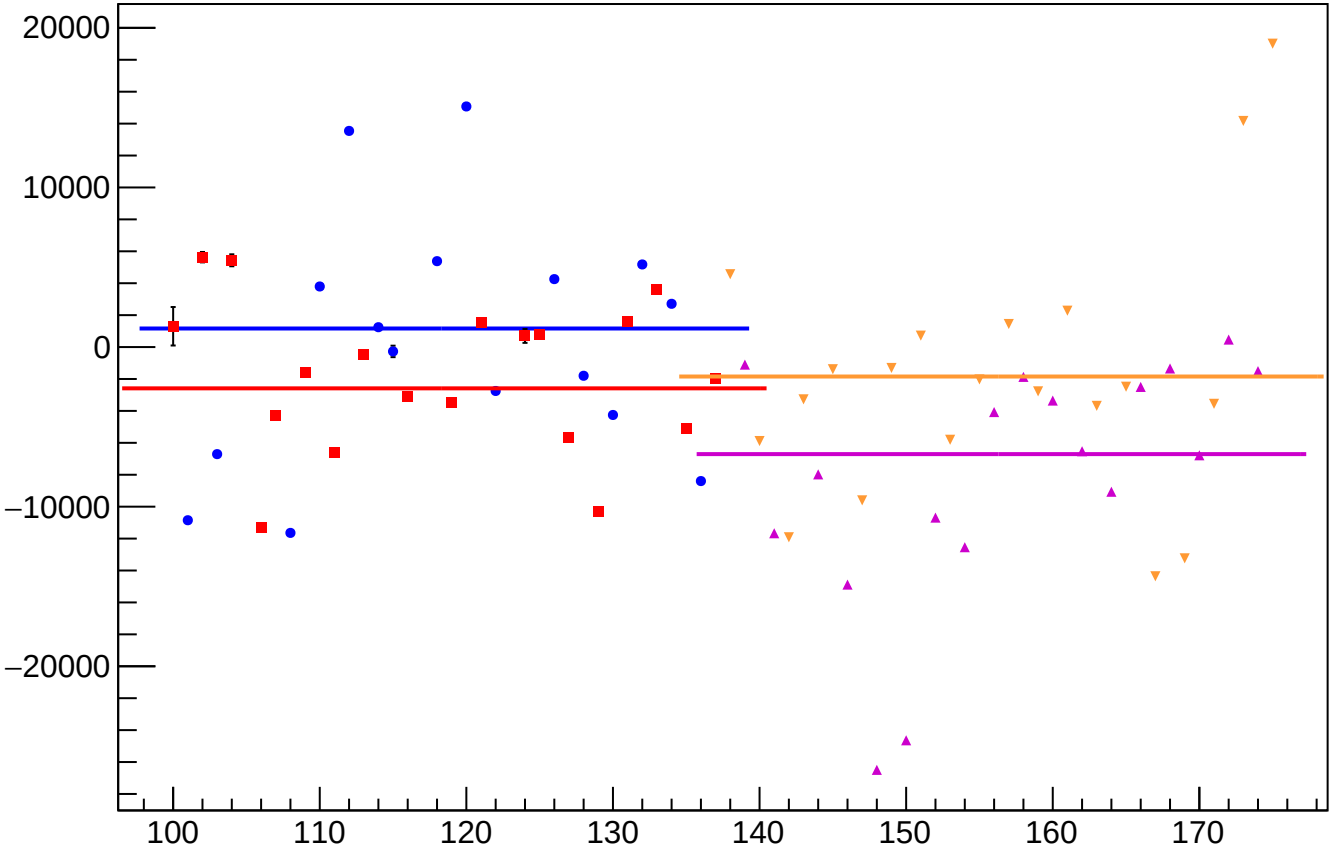
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 152.269+/-0.024 χ^2/NDF:1644508.6/33

Out: 150.109+/-0.023 χ^2/NDF:1704861.4/38

All: 151.142+/-0.016 χ^2/NDF: 3353717.6/72

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1845.483+/-35.582 χ^2/NDF:39795.0/19

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6706.979+/-37.623 χ^2/NDF:25093.4/17

Left: -4140.814+/-25.852 χ^2/NDF: 73701.9/37

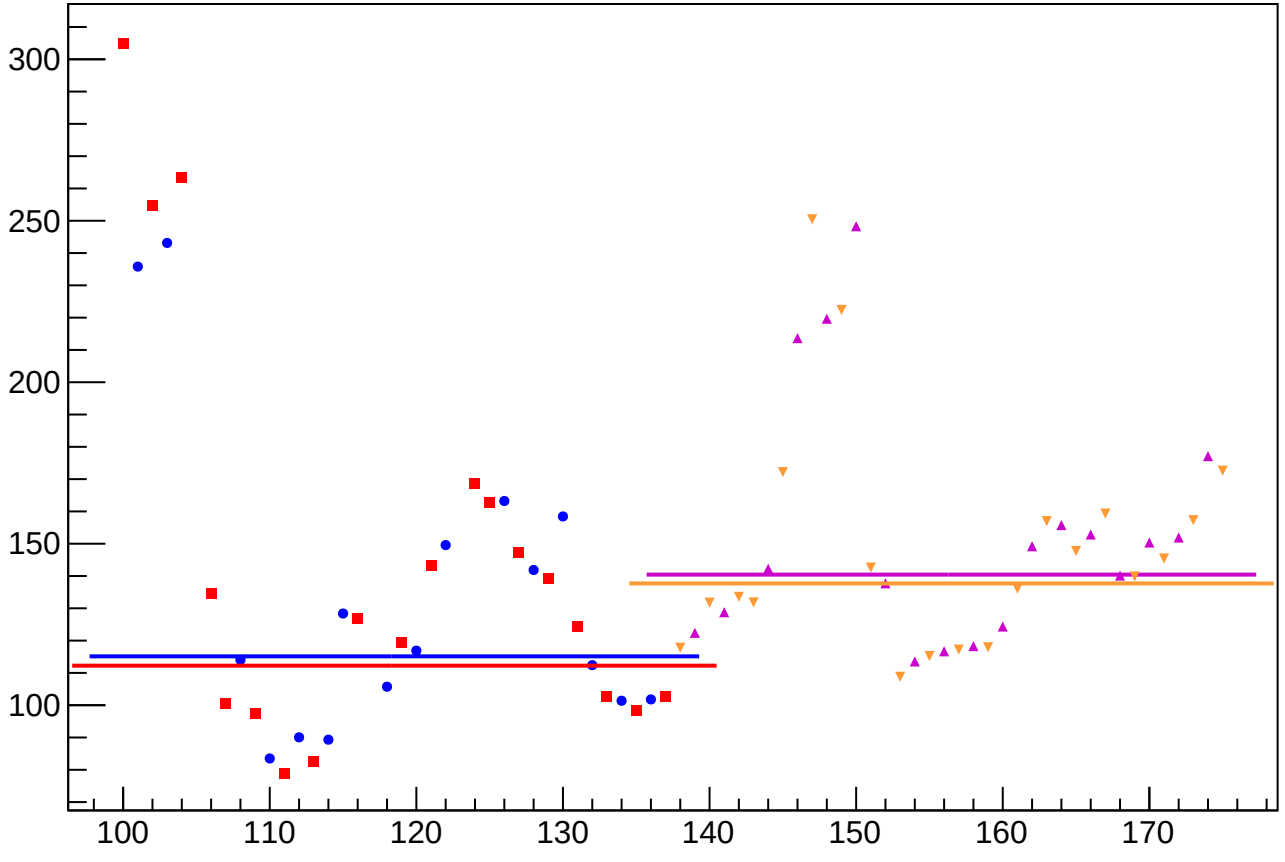
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3546.782+/-29.105 χ^2/NDF:73417.9/33

Out: -2136.524+/-27.731 χ^2/NDF:48065.1/38

All: -2807.577+/-20.077 χ^2/NDF: 122713.7/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 137.693+/-0.025 χ^2/NDF:1120981.7/19

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 140.430+/-0.027 χ^2/NDF:1164516.0/17

Left: 138.985+/-0.018 χ^2/NDF: 2291083.3/37

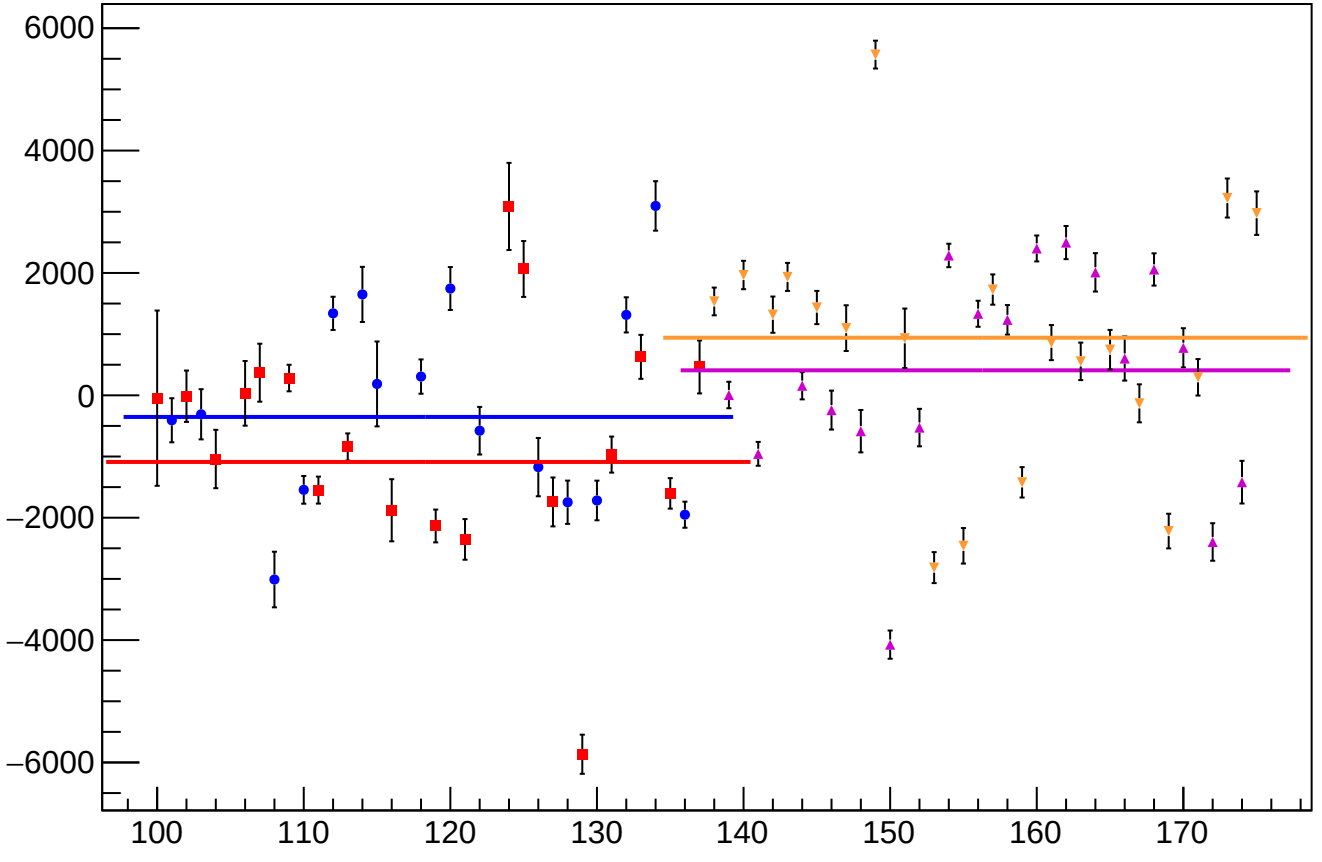
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 130.269+/-0.021 χ^2/NDF:2640791.1/33

Out: 127.700+/-0.020 χ^2/NDF:2850908.5/38

All: 128.922+/-0.014 χ^2/NDF: 5499865.0/72

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 941.403+/-62.388 χ^2/NDF:1148.2/19

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 408.522+/-59.919 χ^2/NDF:905.0/17

Left: 664.208+/-43.216 χ^2/NDF: 2091.2/37

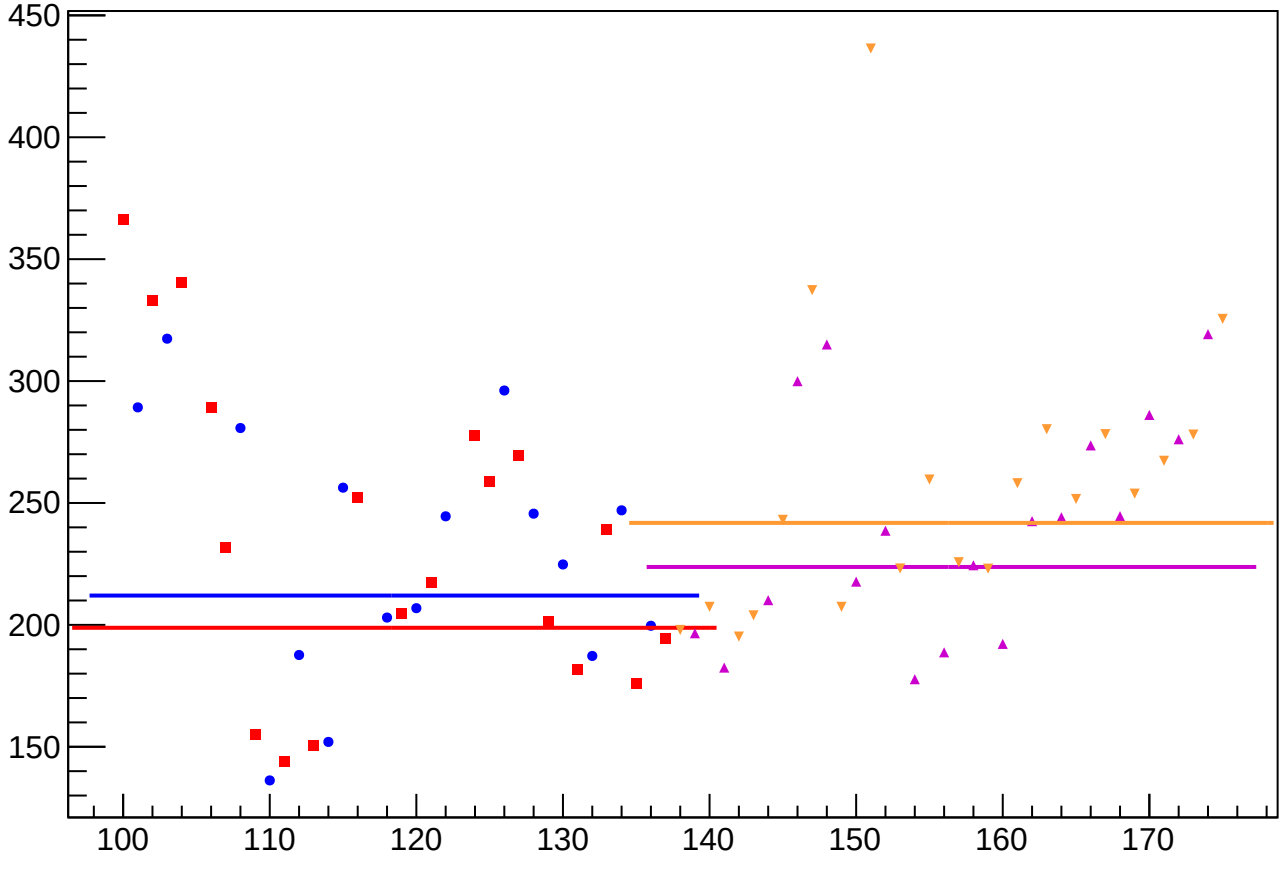
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 143.972+/-48.407 χ^2/NDF:1322.9/33

Out: 129.778+/-48.334 χ^2/NDF:2018.7/38

All: 136.864+/-34.203 χ^2/NDF: 3341.7/72

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.833+/-0.044 χ^2/NDF:981244.2/19

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 223.754+/-0.042 χ^2/NDF:954842.5/17

Left: 232.429+/-0.031 χ^2/NDF: 2023440.9/37

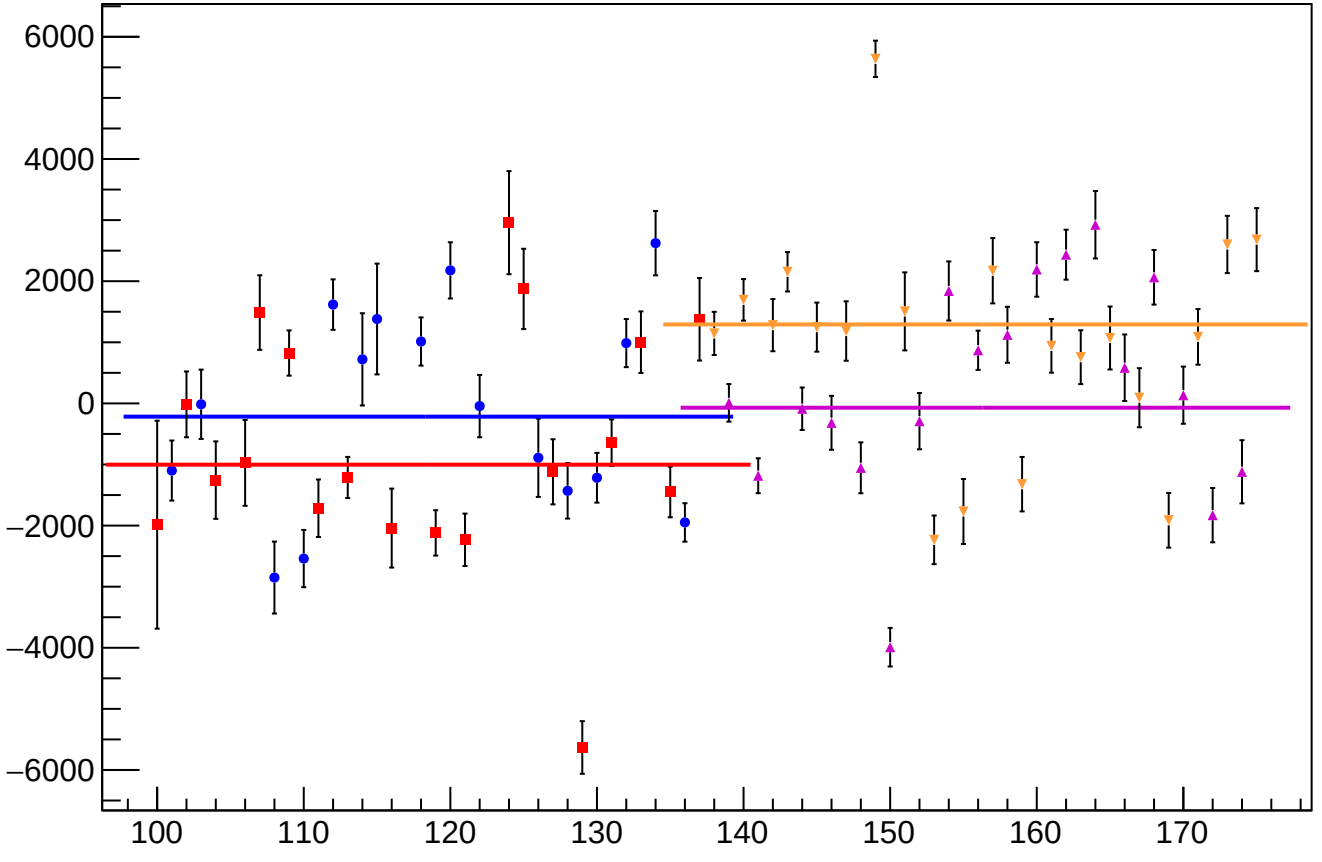
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 219.681+/-0.034 χ^2/NDF:1671809.6/33

Out: 224.633+/-0.034 χ^2/NDF:2336411.7/38

All: 222.161+/-0.024 χ^2/NDF: 4018699.0/72

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1292.369+/-94.991 χ^2/NDF:446.3/19

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -70.590+/-94.675 χ^2/NDF:343.3/17

Left: 608.614+/-67.057 χ^2/NDF: 892.8/37

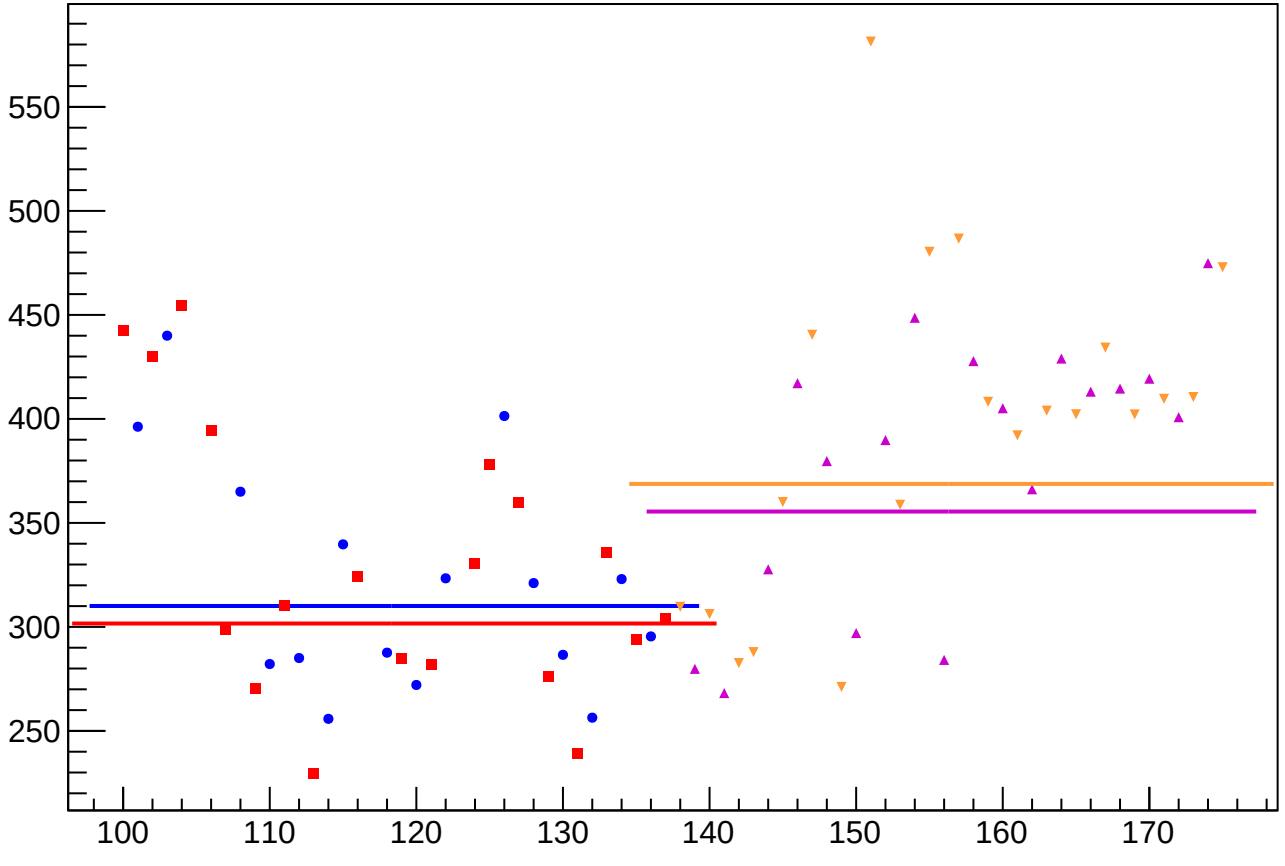
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -127.974+/-73.817 χ^2/NDF:536.4/33

Out: 343.017+/-72.742 χ^2/NDF:942.1/38

All: 110.975+/-51.812 χ^2/NDF: 1499.2/72

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 368.750+/-0.067 χ^2/NDF:1203299.8/19

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 355.467+/-0.067 χ^2/NDF:952675.3/17

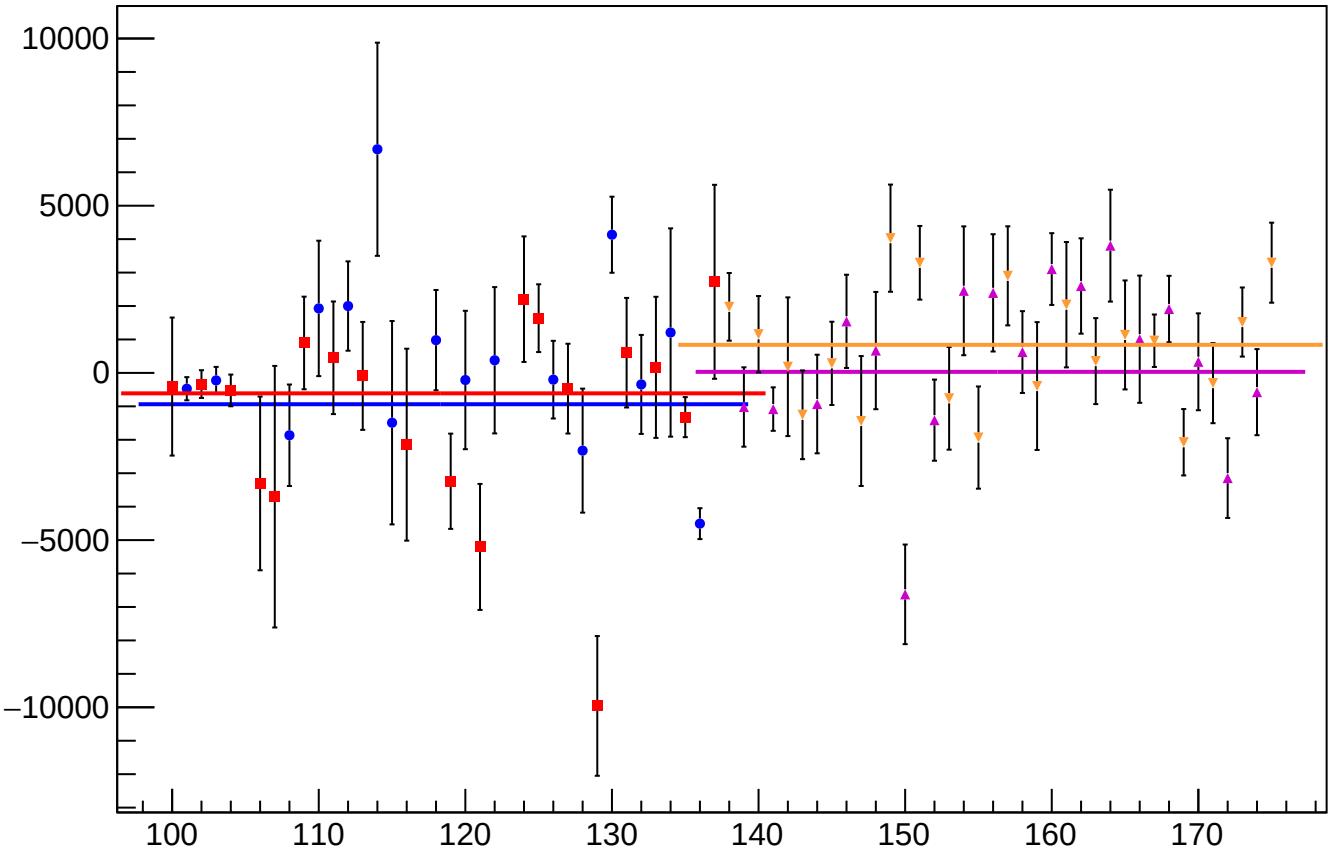
Left: 362.086+/-0.047 χ^2/NDF: 2175596.0/37

Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 337.664+/-0.052 χ^2/NDF:1456320.7/33

Out: 340.993+/-0.051 χ^2/NDF:2136090.0/38

All: 339.353+/-0.037 χ^2/NDF: 3594474.4/72



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 839.919+/-283.018 χ^2/NDF:35.9/19

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 31.310+/-294.102 χ^2/NDF:58.2/17

Left: 451.138+/-203.930 χ^2/NDF: 98.1/37

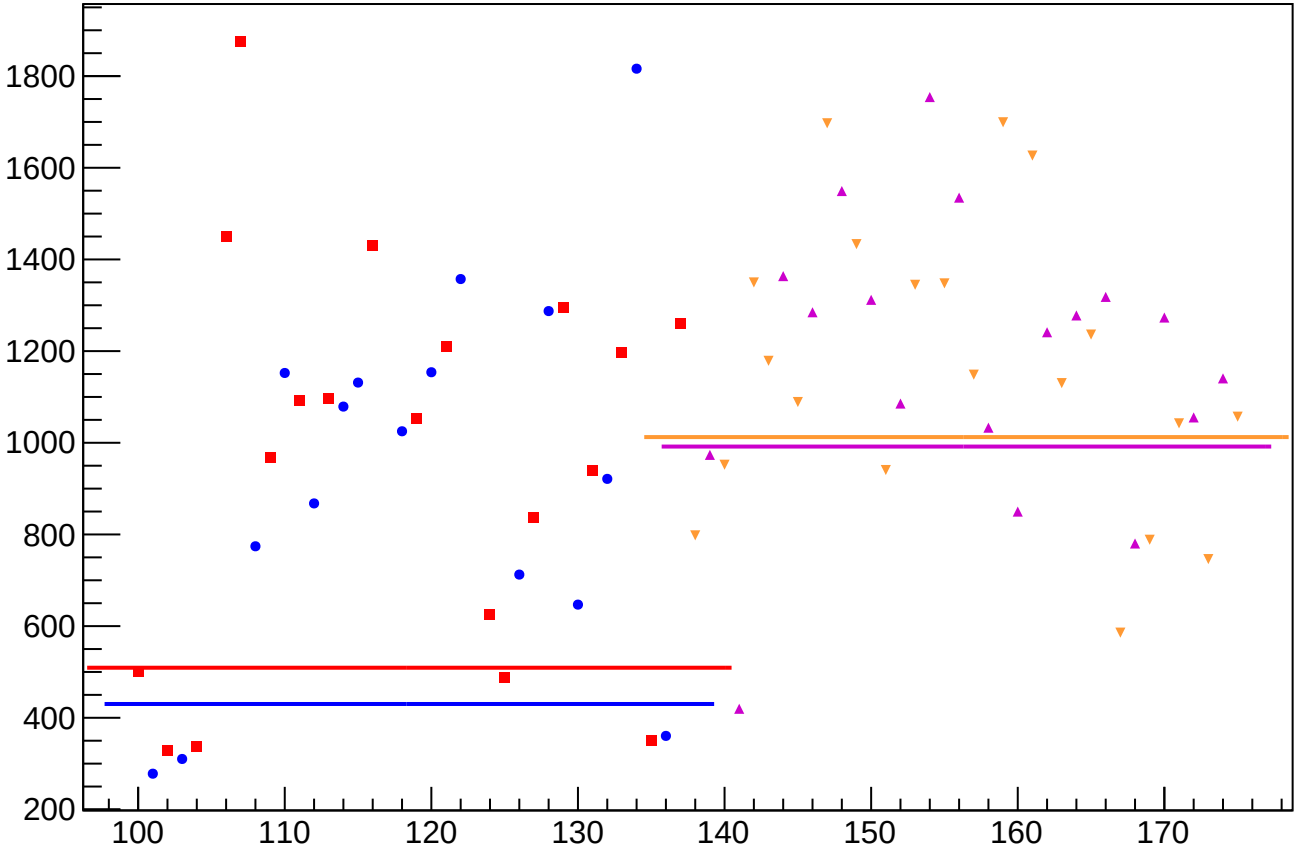
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -620.928+/-168.020 χ^2/NDF:166.7/33

Out: -24.836+/-179.949 χ^2/NDF:95.7/38

All: -343.294+/-122.809 χ^2/NDF: 268.3/72

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1012.429+/-0.200 χ^2/NDF:2146535.7/19

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 991.758+/-0.208 χ^2/NDF:2991108.8/17

Left: 1002.490+/-0.144 χ^2/NDF: 5142774.0/37

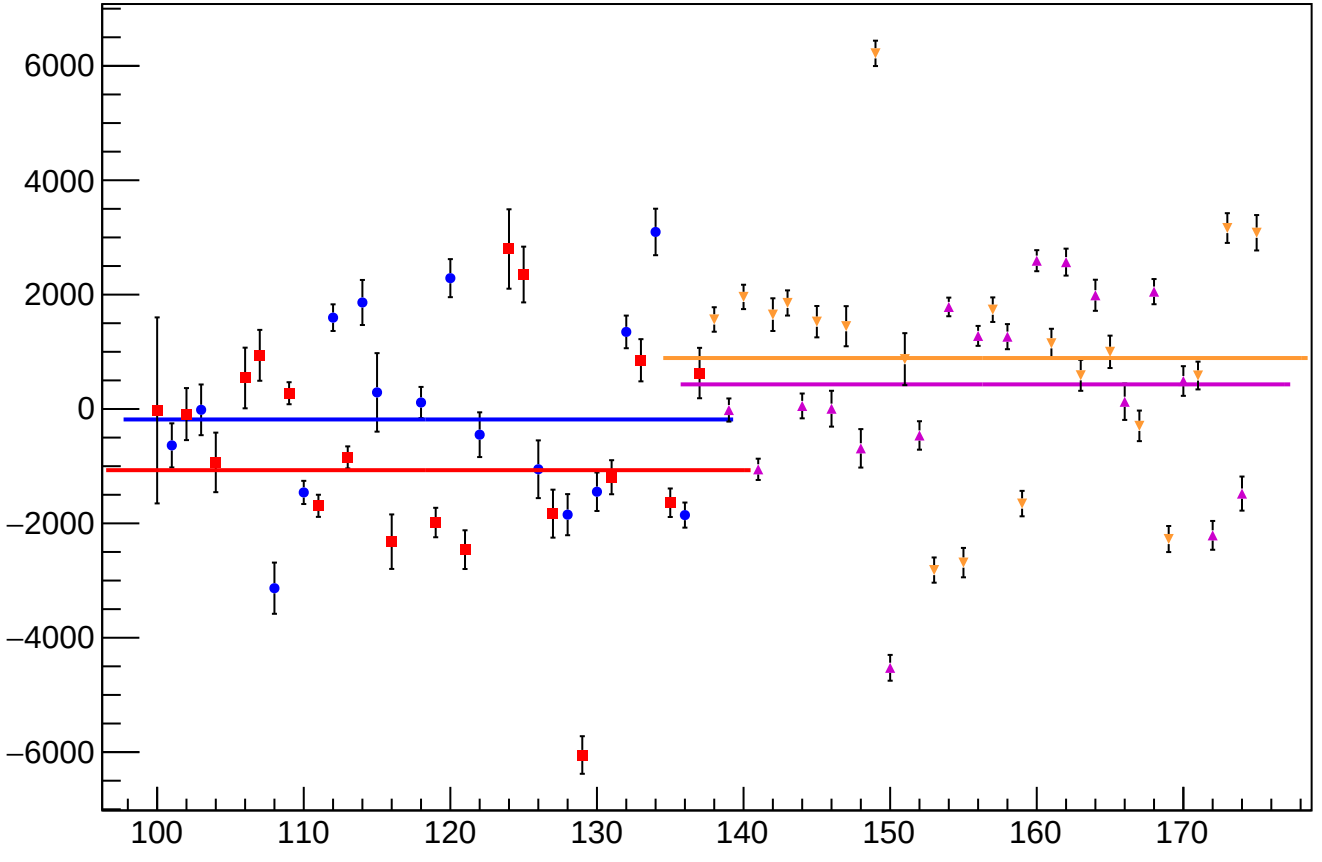
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 613.422+/-0.119 χ^2/NDF:11426306.7/33

Out: 712.661+/-0.127 χ^2/NDF:9586304.1/38

All: 659.643+/-0.087 χ^2/NDF: 21337578.7/72

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 891.148+/-56.093 χ^2/NDF:1611.0/19

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 430.519+/-53.134 χ^2/NDF:1146.7/17

Left: 648.363+/-38.575 χ^2/NDF: 2793.2/37

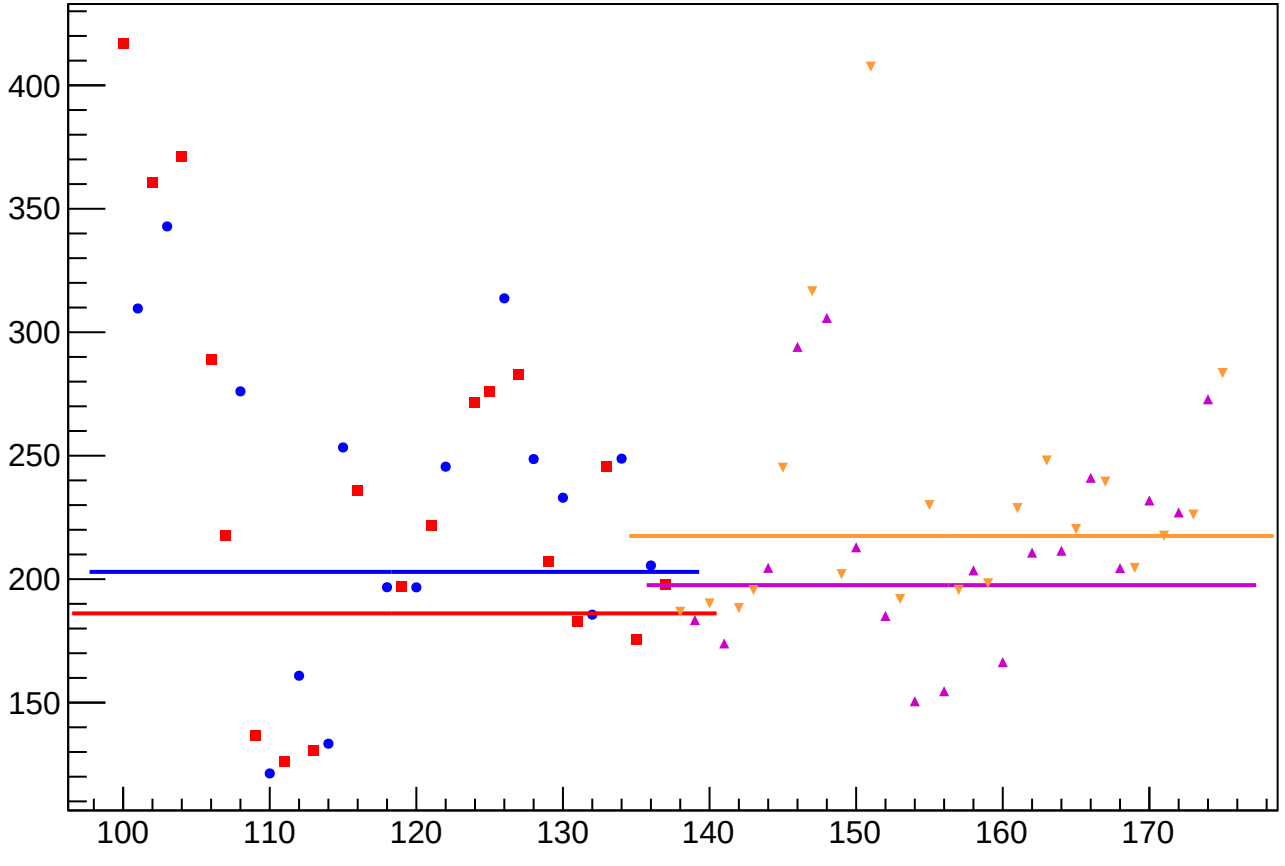
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 242.270+/-44.238 χ^2/NDF:1605.3/33

Out: 163.949+/-44.492 χ^2/NDF:2556.4/38

All: 203.334+/-31.370 χ^2/NDF: 4163.3/72

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.496+/-0.040 χ^2/NDF:864025.5/19

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 197.569+/-0.038 χ^2/NDF:1042809.0/17

Left: 206.993+/-0.027 χ^2/NDF: 2039874.3/37

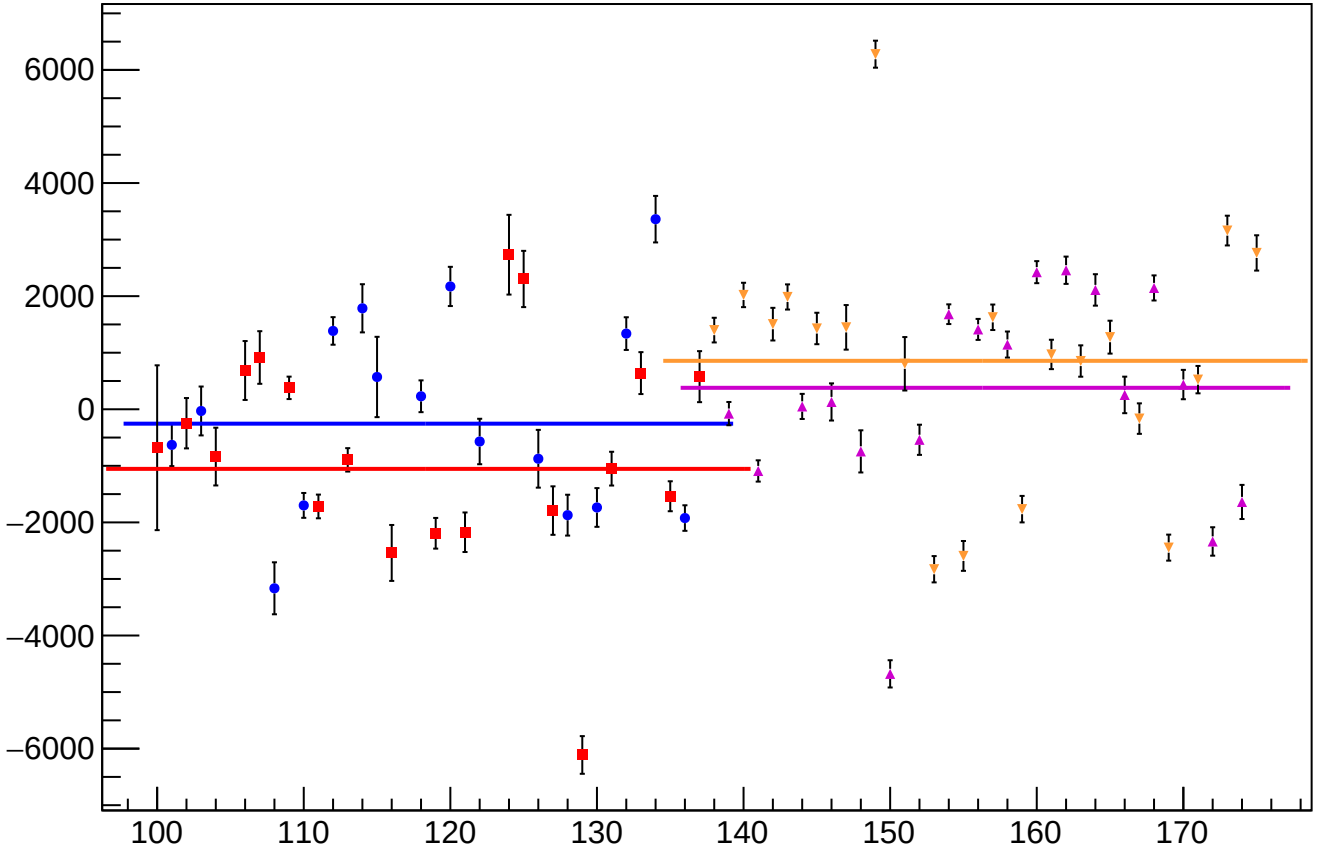
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 199.217+/-0.031 χ^2/NDF:2120941.7/33

Out: 205.864+/-0.031 χ^2/NDF:2577627.2/38

All: 202.521+/-0.022 χ^2/NDF: 4721011.4/72

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 856.647+/-57.644 χ^2/NDF:1485.7/19

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 379.538+/-55.154 χ^2/NDF:1076.3/17

Left: 607.569+/-39.851 χ^2/NDF: 2597.8/37

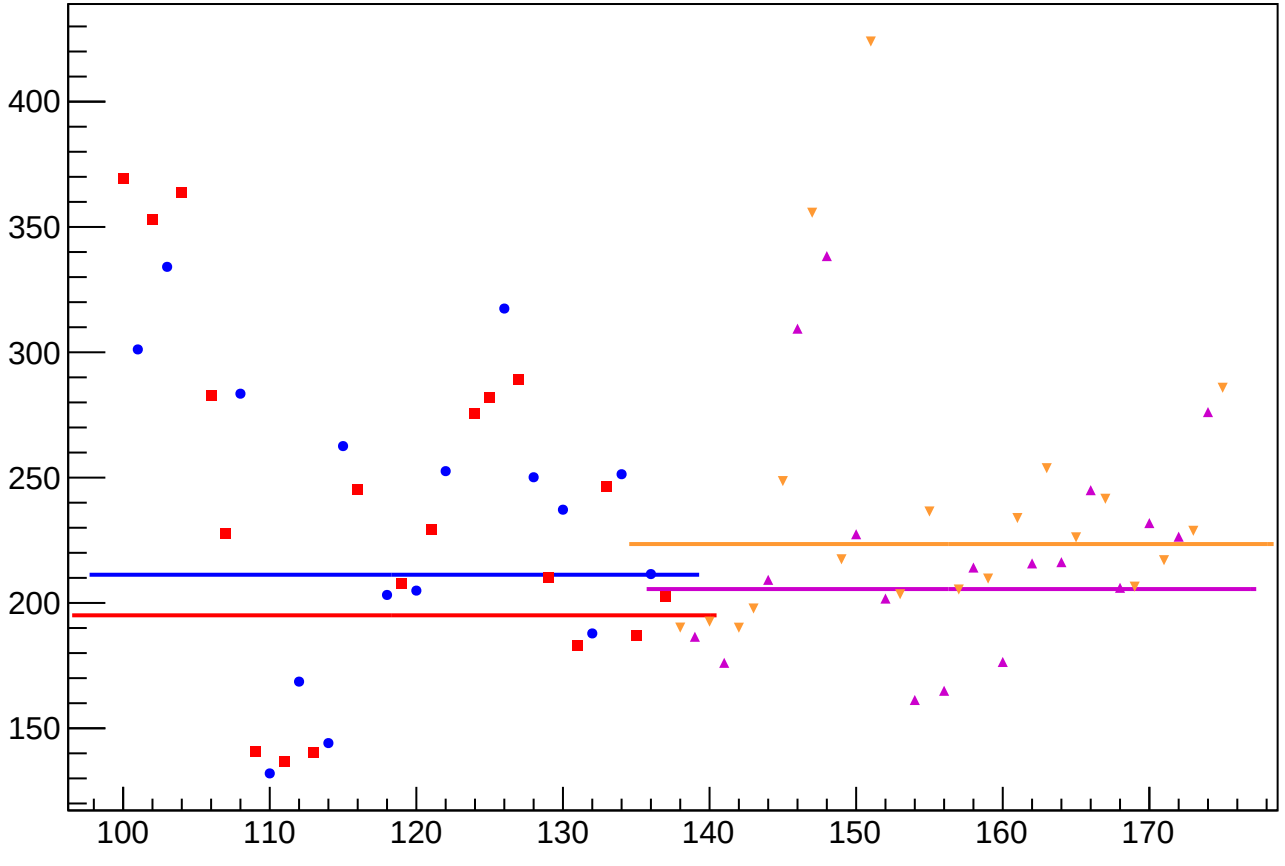
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 183.667+/-45.850 χ^2/NDF:1526.4/33

Out: 158.636+/-45.921 χ^2/NDF:2364.7/38

All: 171.171+/-32.446 χ^2/NDF: 3891.2/72

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.498+/-0.041 χ^2/NDF:912688.5/19

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 205.540+/-0.039 χ^2/NDF:989995.8/17

Left: 214.123+/-0.028 χ^2/NDF: 2004023.0/37

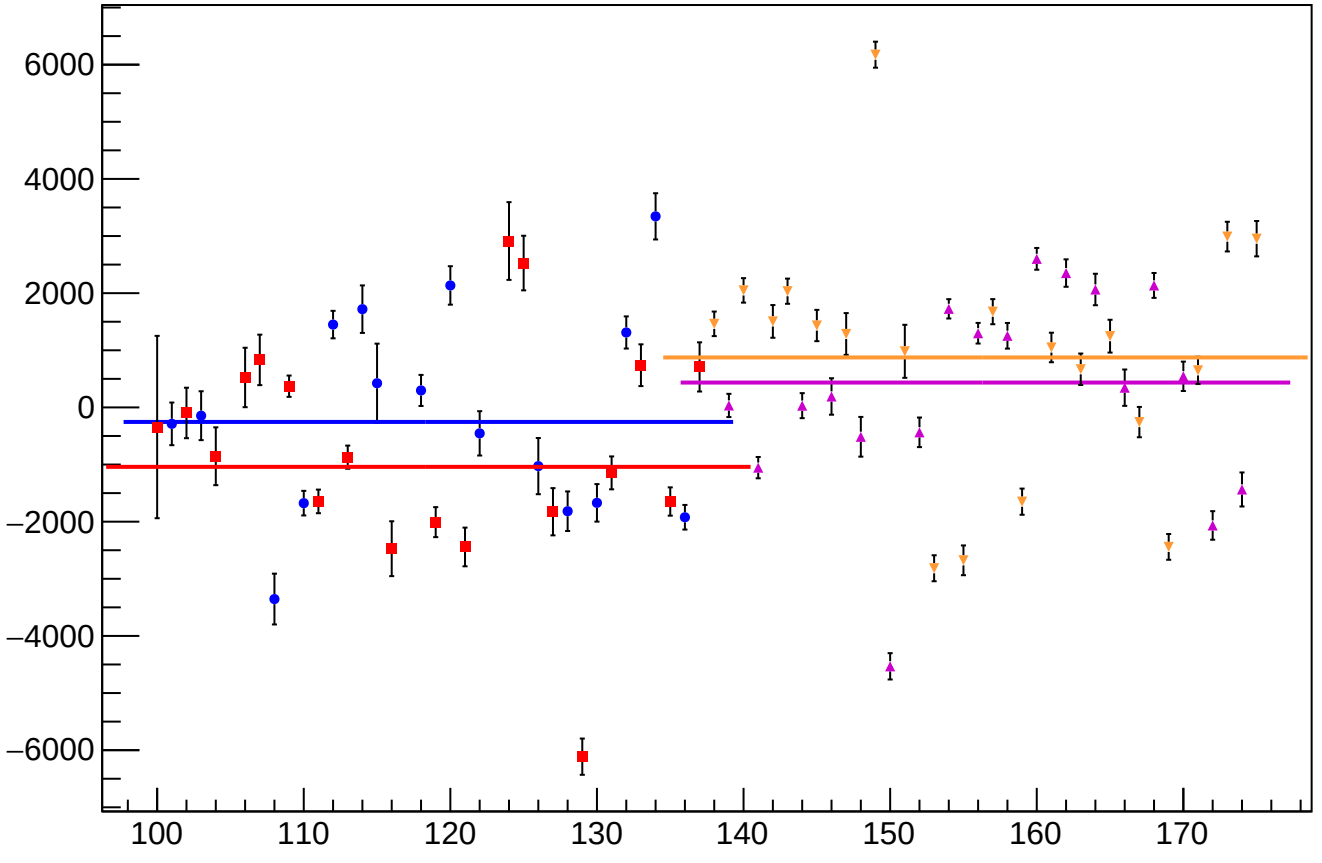
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 207.305+/-0.032 χ^2/NDF:1880990.4/33

Out: 213.108+/-0.032 χ^2/NDF:2375411.1/38

All: 210.202+/-0.023 χ^2/NDF: 4272394.7/72

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 874.797+/-56.646 χ^2/NDF:1549.9/19

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 435.222+/-54.033 χ^2/NDF:1077.7/17

Left: 644.638+/-39.098 χ^2/NDF: 2659.1/37

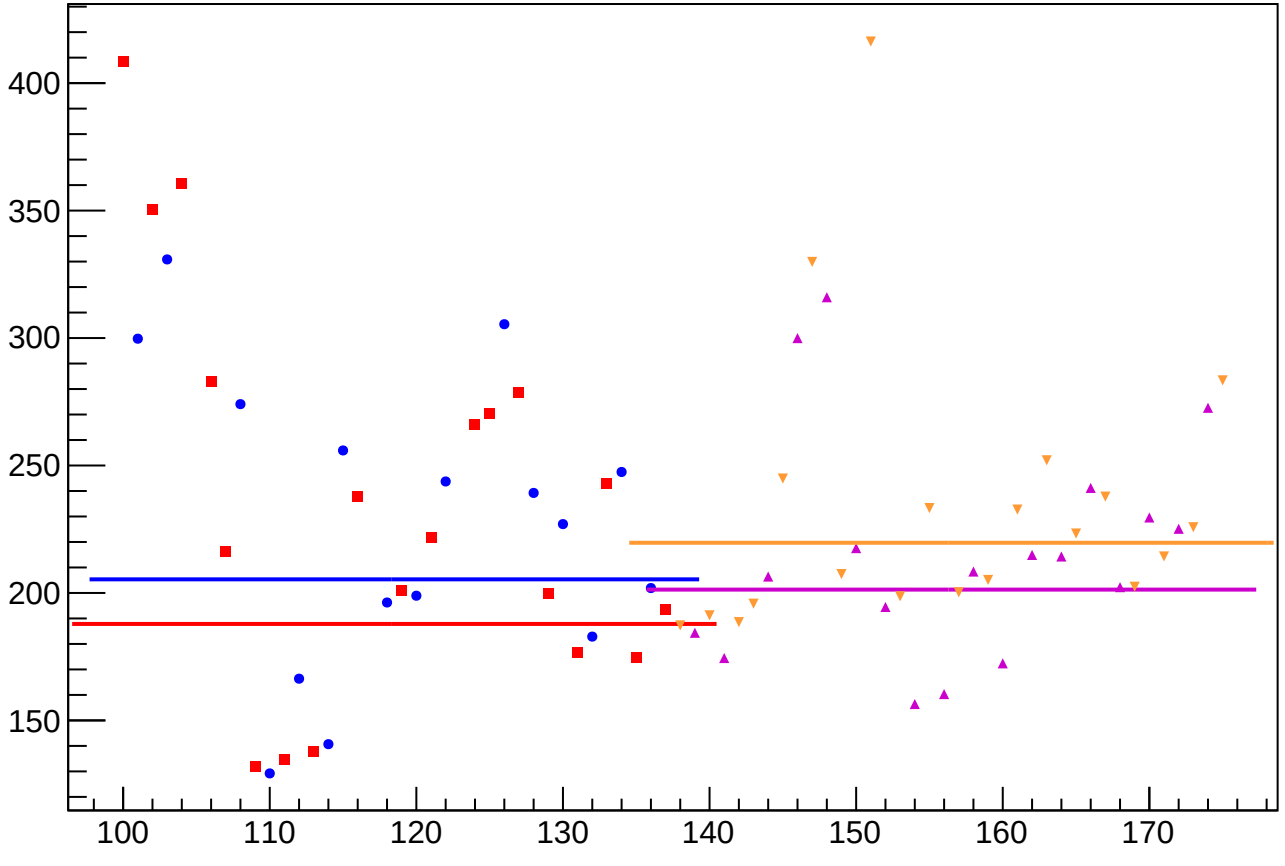
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 220.114+/-44.816 χ^2/NDF:1560.5/33

Out: 159.467+/-44.836 χ^2/NDF:2510.2/38

All: 189.804+/-31.697 χ^2/NDF: 4071.7/72

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.694+/-0.040 χ^2/NDF:878678.0/19

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 201.318+/-0.038 χ^2/NDF:967781.4/17

Left: 210.072+/-0.028 χ^2/NDF: 1956660.9/37

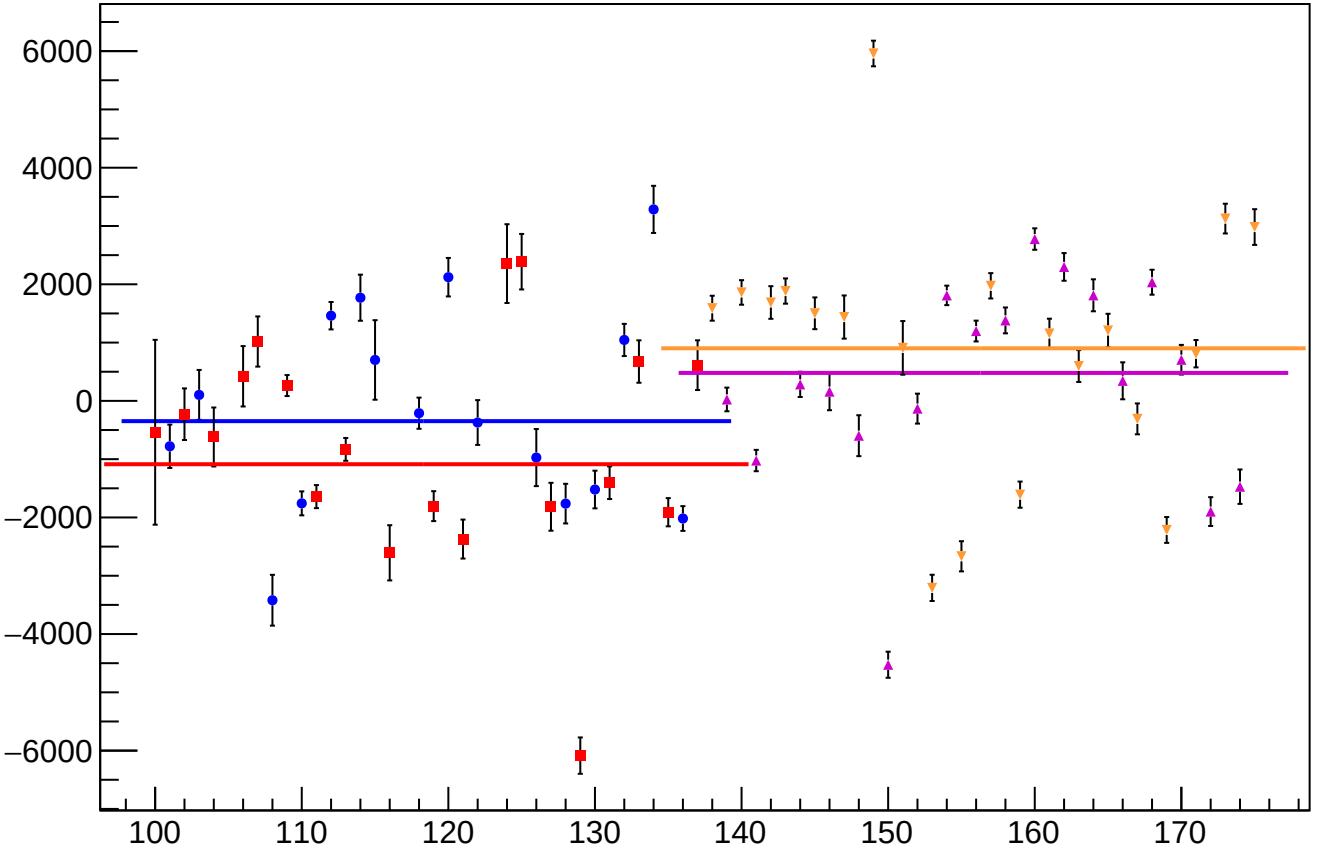
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 202.573+/-0.032 χ^2/NDF:1848640.8/33

Out: 207.799+/-0.032 χ^2/NDF:2451822.7/38

All: 205.185+/-0.022 χ^2/NDF: 4314054.3/72

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 902.062+/-55.907 χ^2/NDF:1612.4/19

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 479.349+/-53.326 χ^2/NDF:1113.7/17

Left: 680.722+/-38.587 χ^2/NDF: 2756.0/37

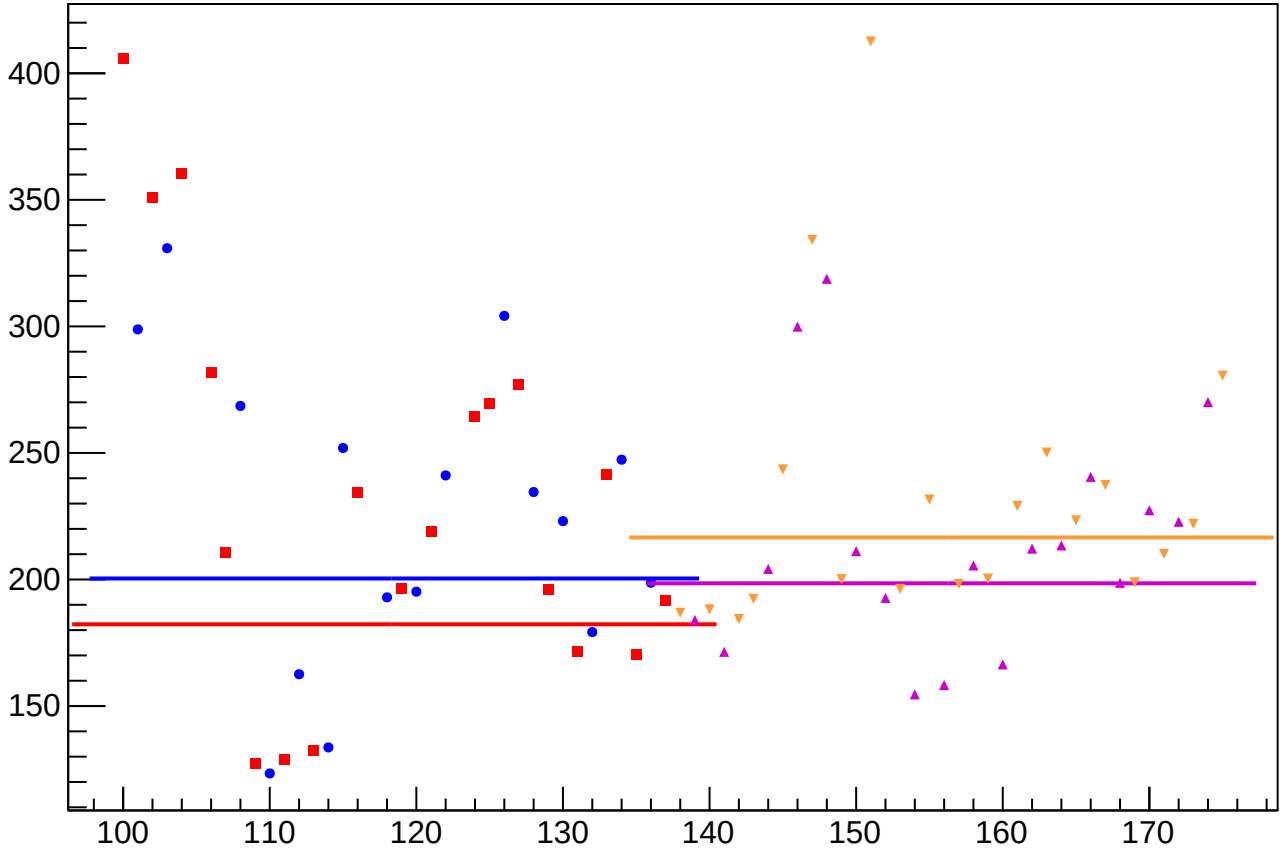
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 218.521+/-44.123 χ^2/NDF:1635.3/33

Out: 148.017+/-44.051 χ^2/NDF:2619.3/38

All: 183.211+/-31.174 χ^2/NDF: 4256.0/72

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.612+/-0.040 χ^2/NDF:919648.0/19

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 198.492+/-0.038 χ^2/NDF:1012376.0/17

Left: 207.124+/-0.027 χ^2/NDF: 2042037.9/37

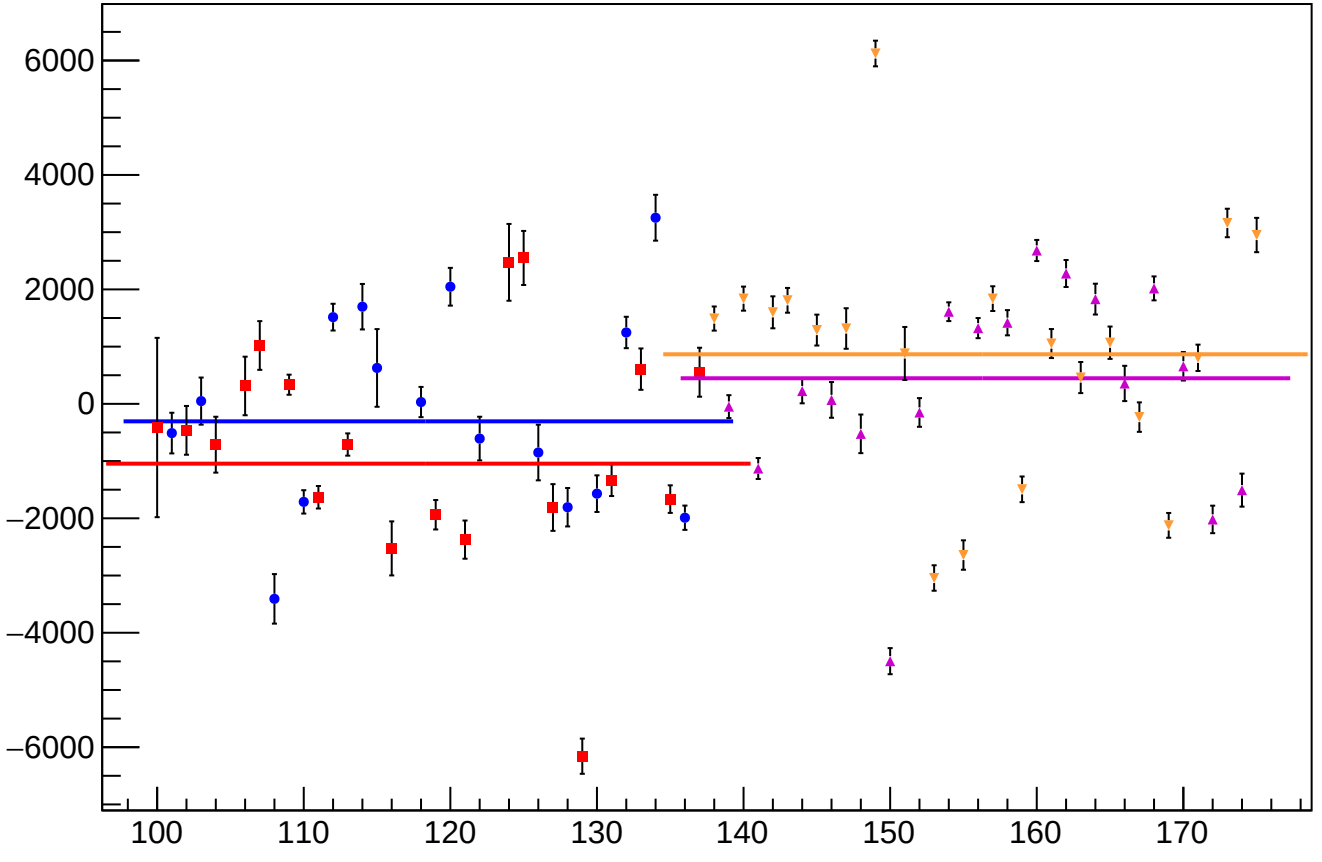
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 199.093+/-0.031 χ^2/NDF:1972183.3/33

Out: 203.603+/-0.031 χ^2/NDF:2652460.9/38

All: 201.352+/-0.022 χ^2/NDF: 4635107.4/72

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 866.379+/-55.364 χ^2/NDF:1580.0/19

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 447.098+/-52.642 χ^2/NDF:1102.1/17

Left: 646.180+/-38.150 χ^2/NDF: 2712.2/37

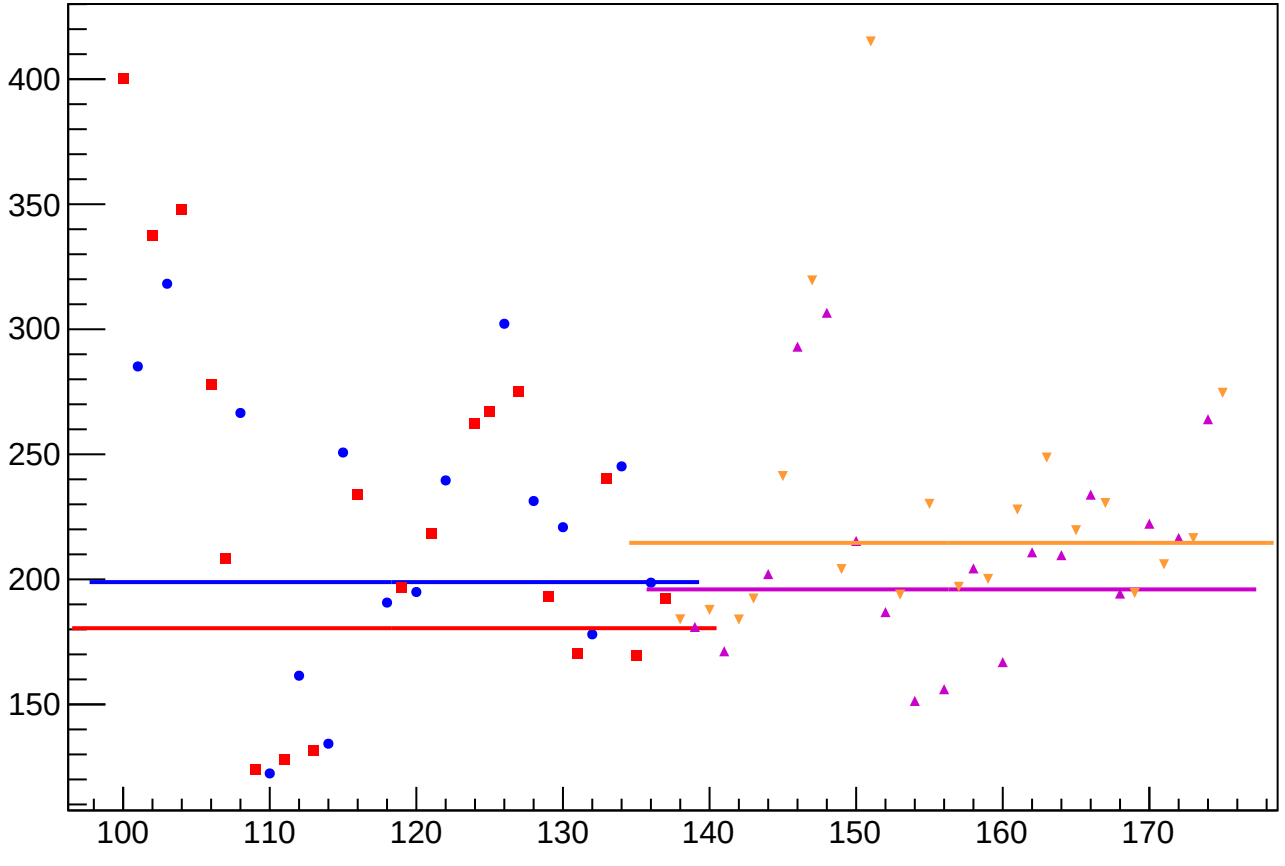
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 210.981+/-43.611 χ^2/NDF:1618.0/33

Out: 141.343+/-43.618 χ^2/NDF:2584.3/38

All: 176.167+/-30.840 χ^2/NDF: 4203.6/72

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.604+/-0.039 χ^2/NDF:885900.5/19

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 195.990+/-0.037 χ^2/NDF:969814.7/17

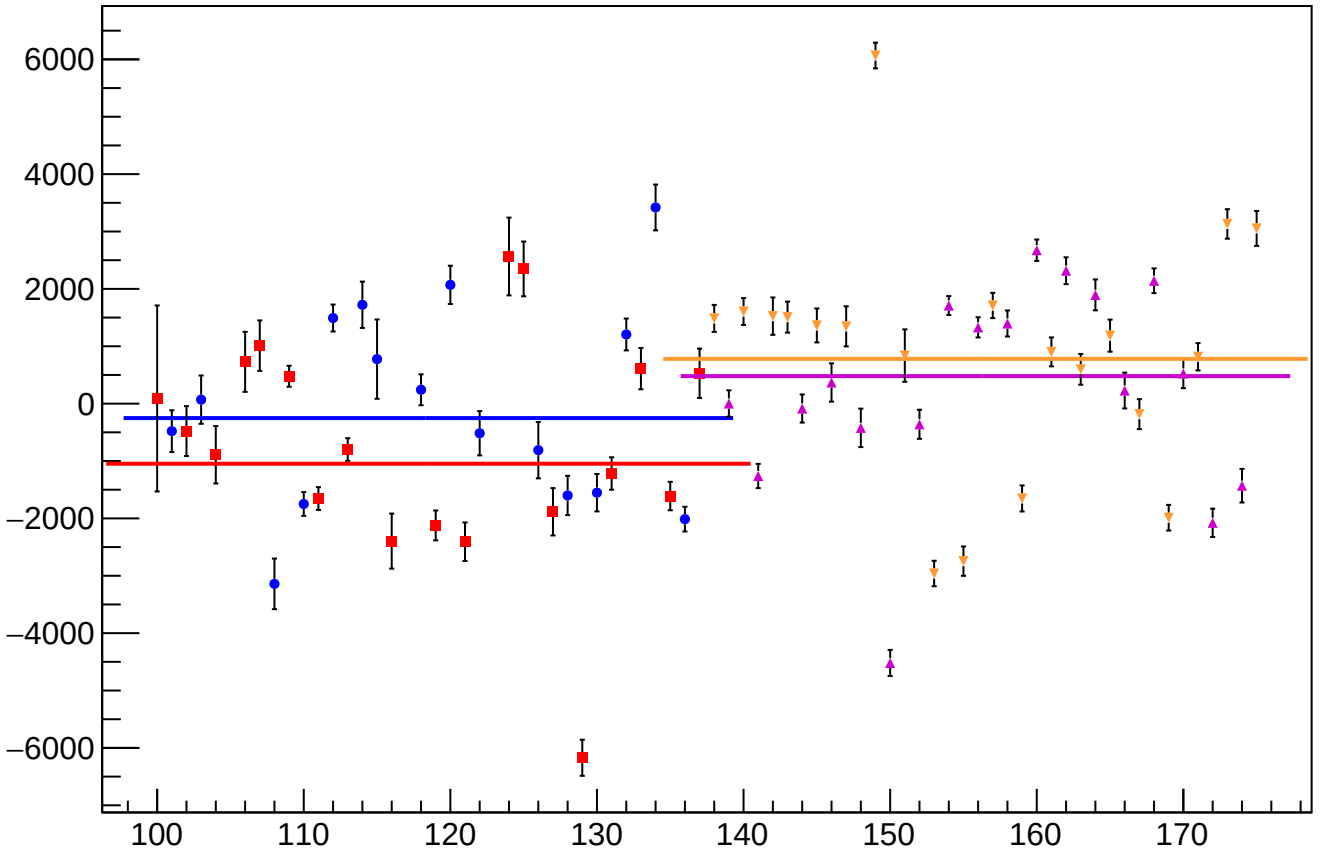
Left: 204.828+/-0.027 χ^2/NDF: 1974445.2/37

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 196.904+/-0.031 χ^2/NDF:1884499.9/33

Out: 201.658+/-0.031 χ^2/NDF:2608649.5/38

All: 199.281+/-0.022 χ^2/NDF: 4505032.2/72



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 780.193+/-57.739 χ^2/NDF:1513.9/19

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 479.667+/-54.619 χ^2/NDF:1113.5/17

Left: 621.592+/-39.679 χ^2/NDF: 2641.7/37

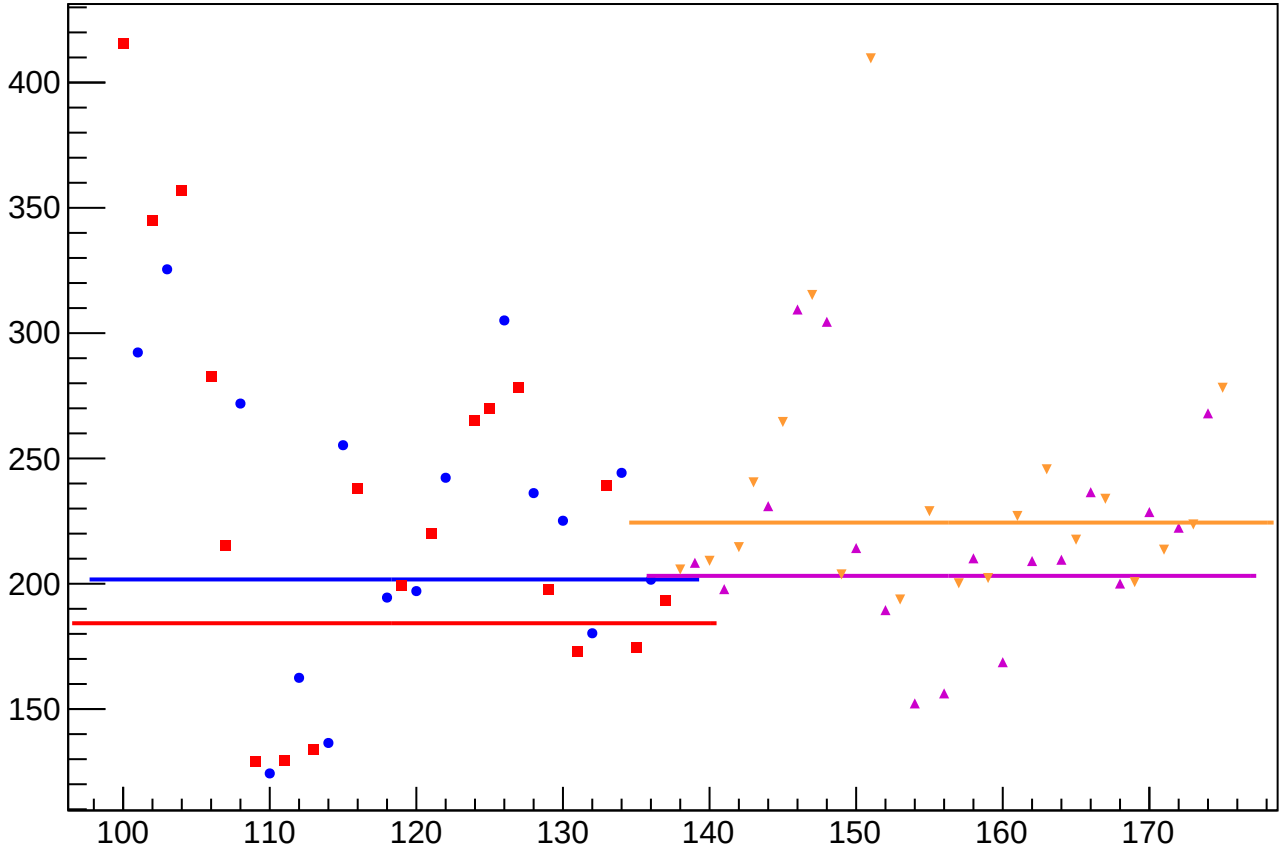
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 242.997+/-44.922 χ^2/NDF:1612.7/33

Out: 67.291+/-45.090 χ^2/NDF:2451.4/38

All: 155.473+/-31.824 χ^2/NDF: 4071.8/72

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.408+/-0.041 χ^2/NDF:736183.5/19

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 203.151+/-0.039 χ^2/NDF:982644.8/17

Left: 213.190+/-0.028 χ^2/NDF: 1861889.1/37

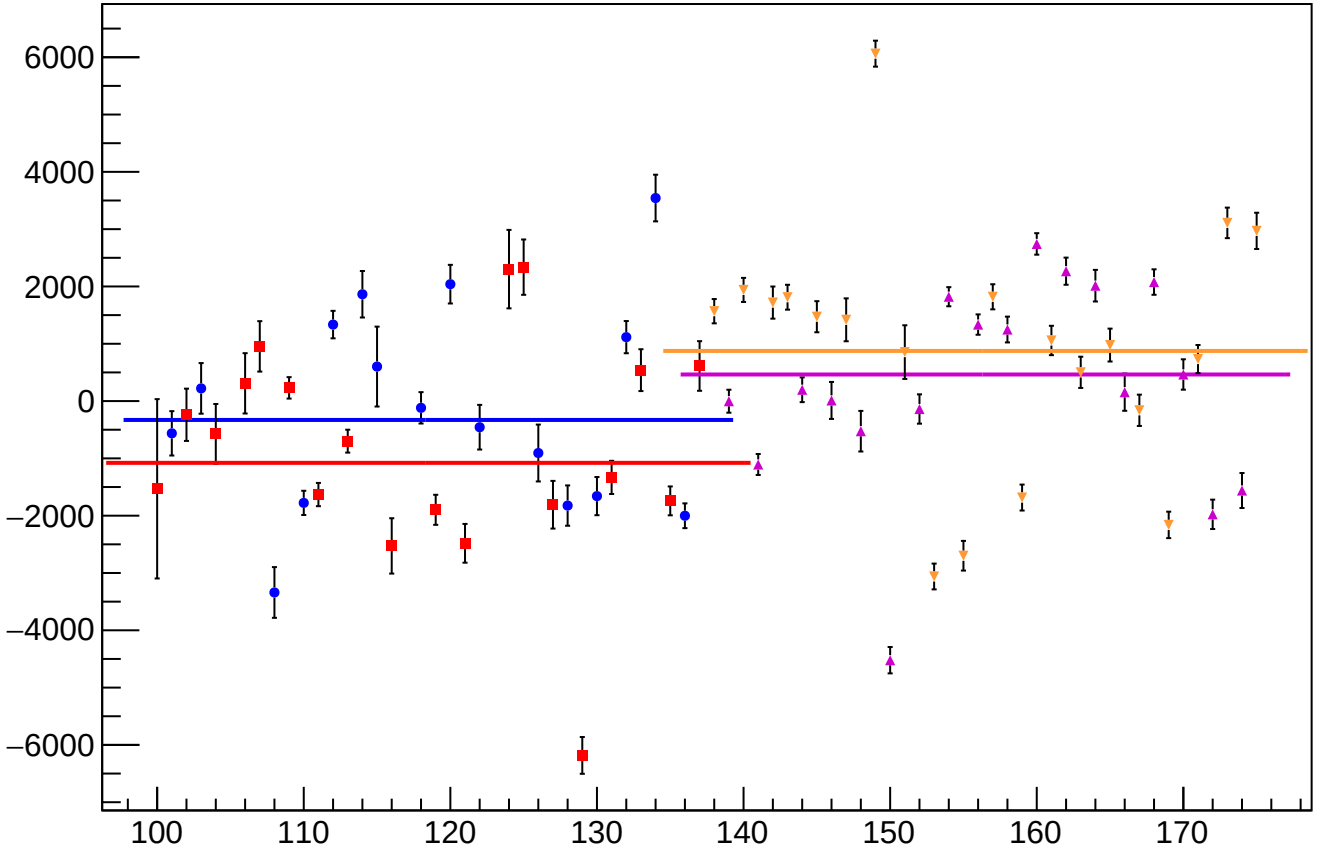
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 202.686+/-0.032 χ^2/NDF:1907303.2/33

Out: 208.739+/-0.032 χ^2/NDF:2517509.1/38

All: 205.701+/-0.023 χ^2/NDF: 4442898.4/72

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 874.956+/-56.583 χ^2/NDF:1542.1/19

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 463.940+/-53.862 χ^2/NDF:1093.4/17

Left: 659.328+/-39.012 χ^2/NDF: 2663.1/37

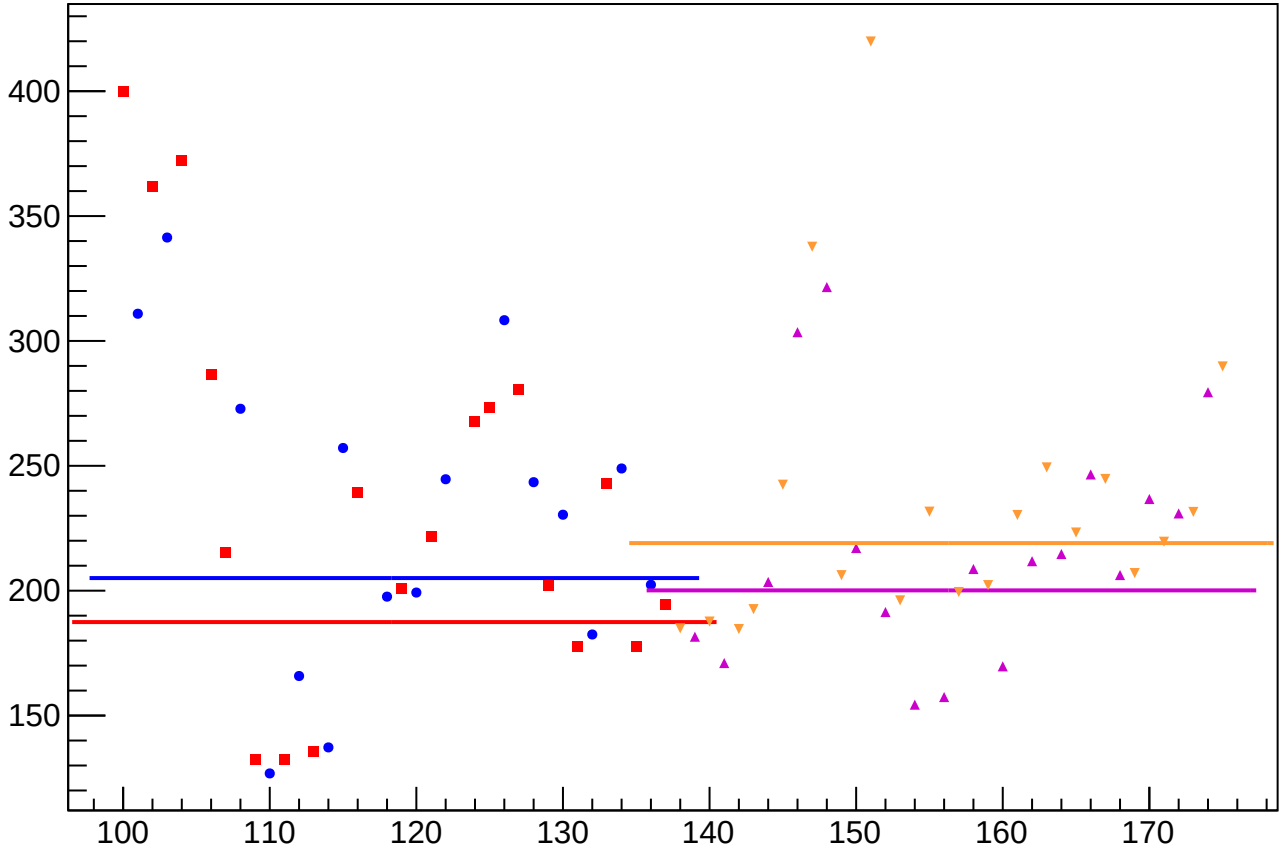
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 218.055+/-44.743 χ^2/NDF:1597.0/33

Out: 147.092+/-44.814 χ^2/NDF:2488.0/38

All: 182.630+/-31.663 χ^2/NDF: 4086.3/72

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.058+/-0.040 χ^2/NDF:955760.3/19

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 200.122+/-0.038 χ^2/NDF:1097994.5/17

Left: 209.124+/-0.028 χ^2/NDF: 2171267.1/37

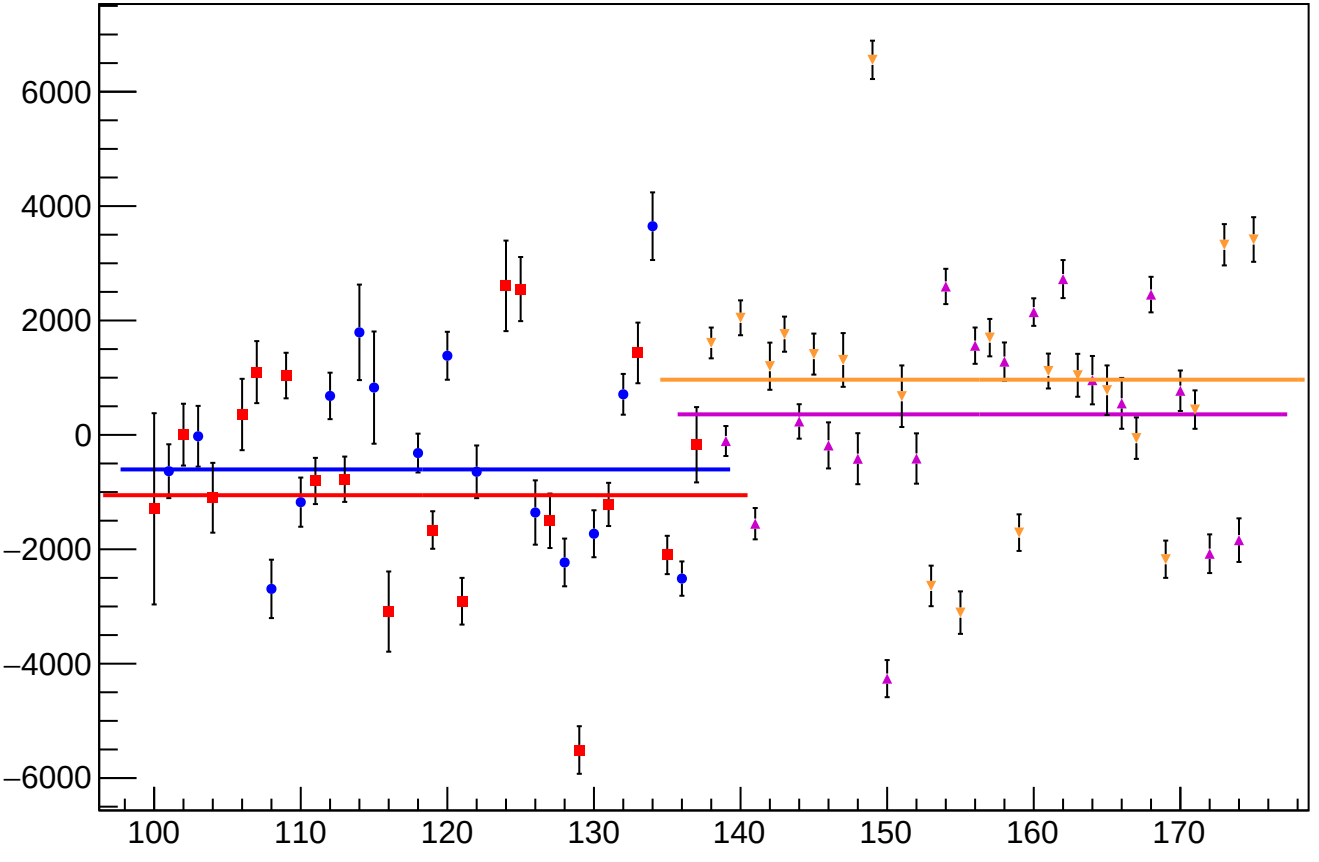
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 201.650+/-0.032 χ^2/NDF:2066241.6/33

Out: 207.270+/-0.032 χ^2/NDF:2599455.6/38

All: 204.456+/-0.022 χ^2/NDF: 4681447.3/72

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.057+/-78.245 χ^2/NDF:790.1/19

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 358.897+/-77.846 χ^2/NDF:576.9/17

Left: 660.425+/-55.186 χ^2/NDF: 1397.1/37

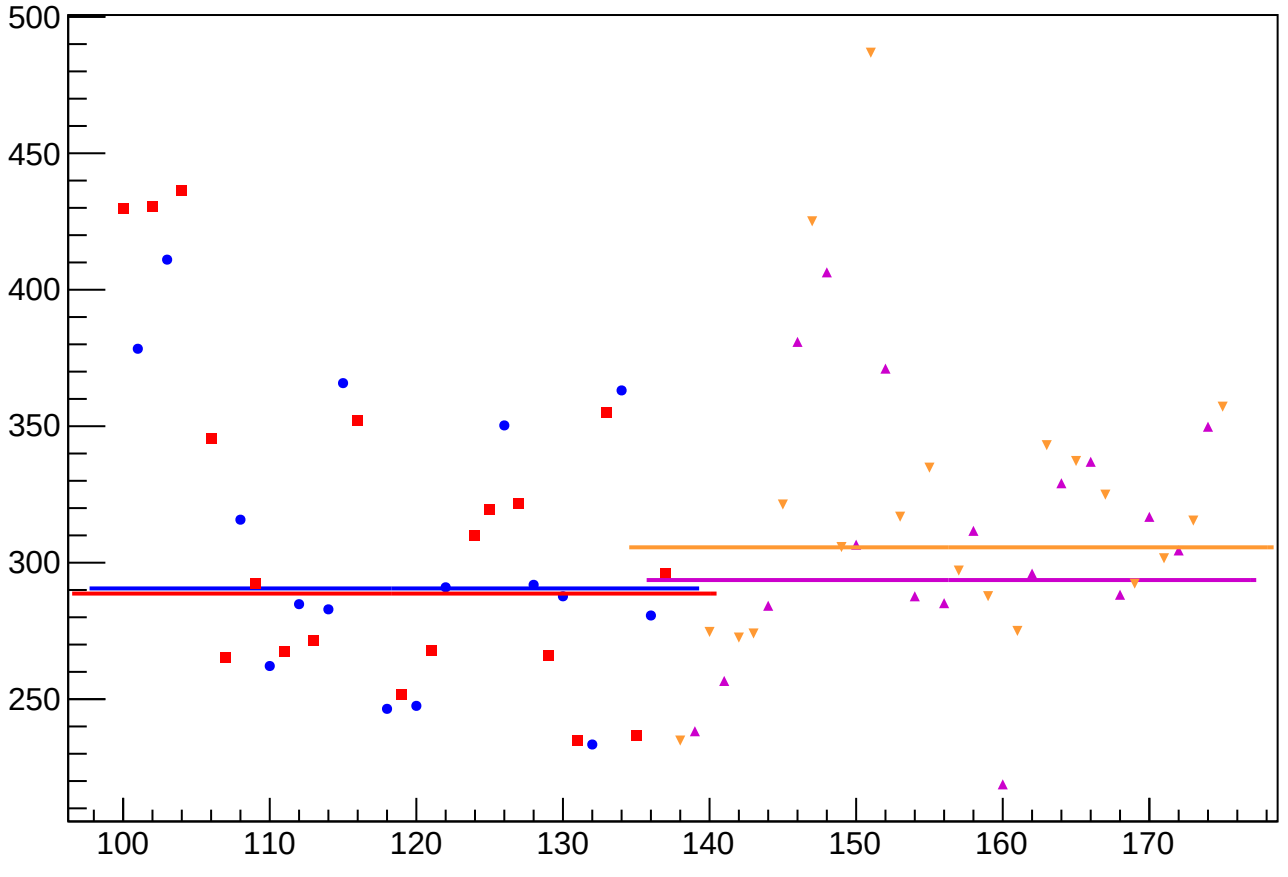
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 40.310+/-63.676 χ^2/NDF:821.1/33

Out: 272.098+/-63.417 χ^2/NDF:1316.4/38

All: 156.677+/-44.934 χ^2/NDF: 2144.1/72

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 305.631+/-0.055 χ^2/NDF:670952.2/19

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 293.640+/-0.055 χ^2/NDF:703467.0/17

Left: 299.605+/-0.039 χ^2/NDF: 1398021.0/37

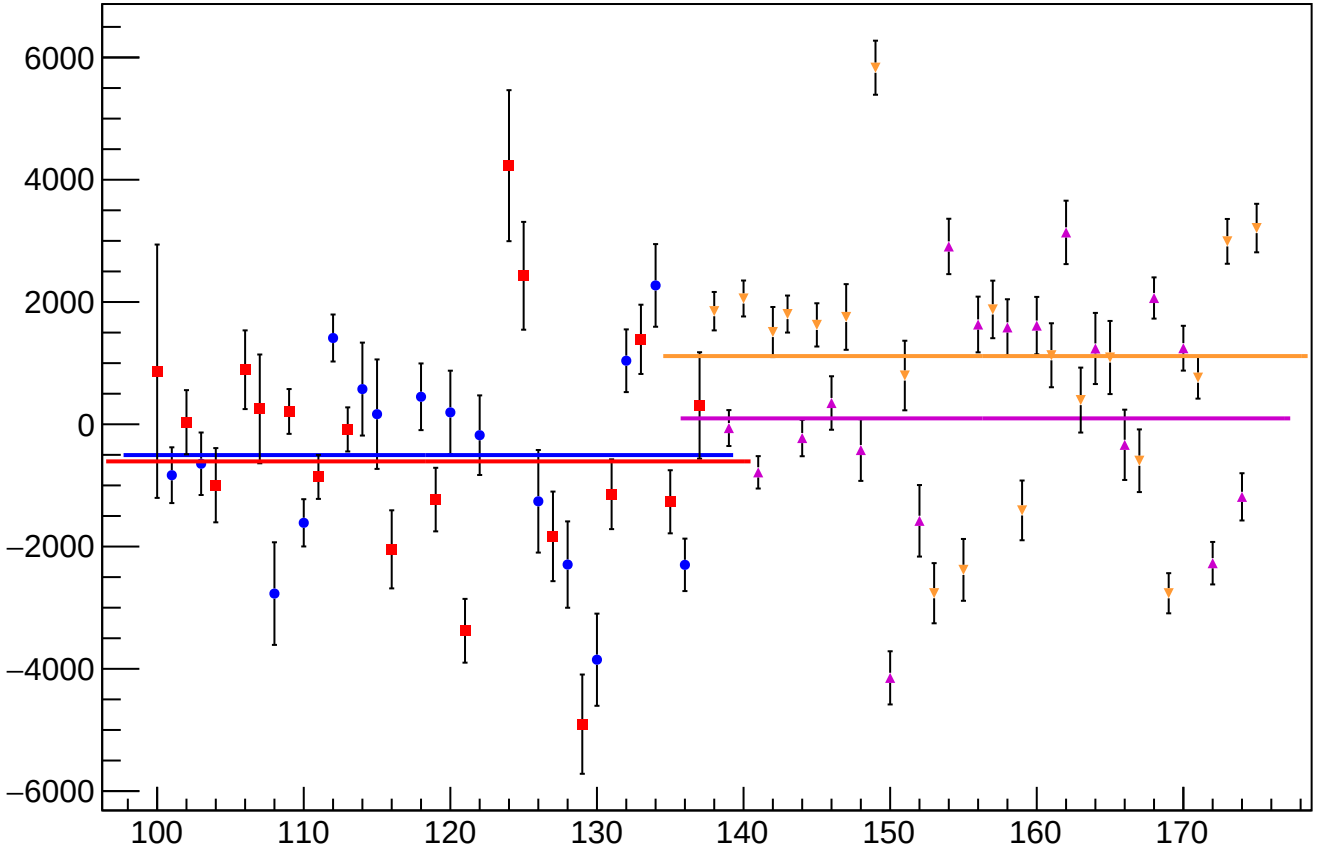
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 292.623+/-0.045 χ^2/NDF:1064306.3/33

Out: 299.817+/-0.045 χ^2/NDF:1192229.1/38

All: 296.235+/-0.032 χ^2/NDF: 2269349.6/72

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1115.616+/-91.166 χ^2/NDF:486.2/19

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 96.570+/-93.531 χ^2/NDF:328.4/17

Left: 619.138+/-65.284 χ^2/NDF: 875.5/37

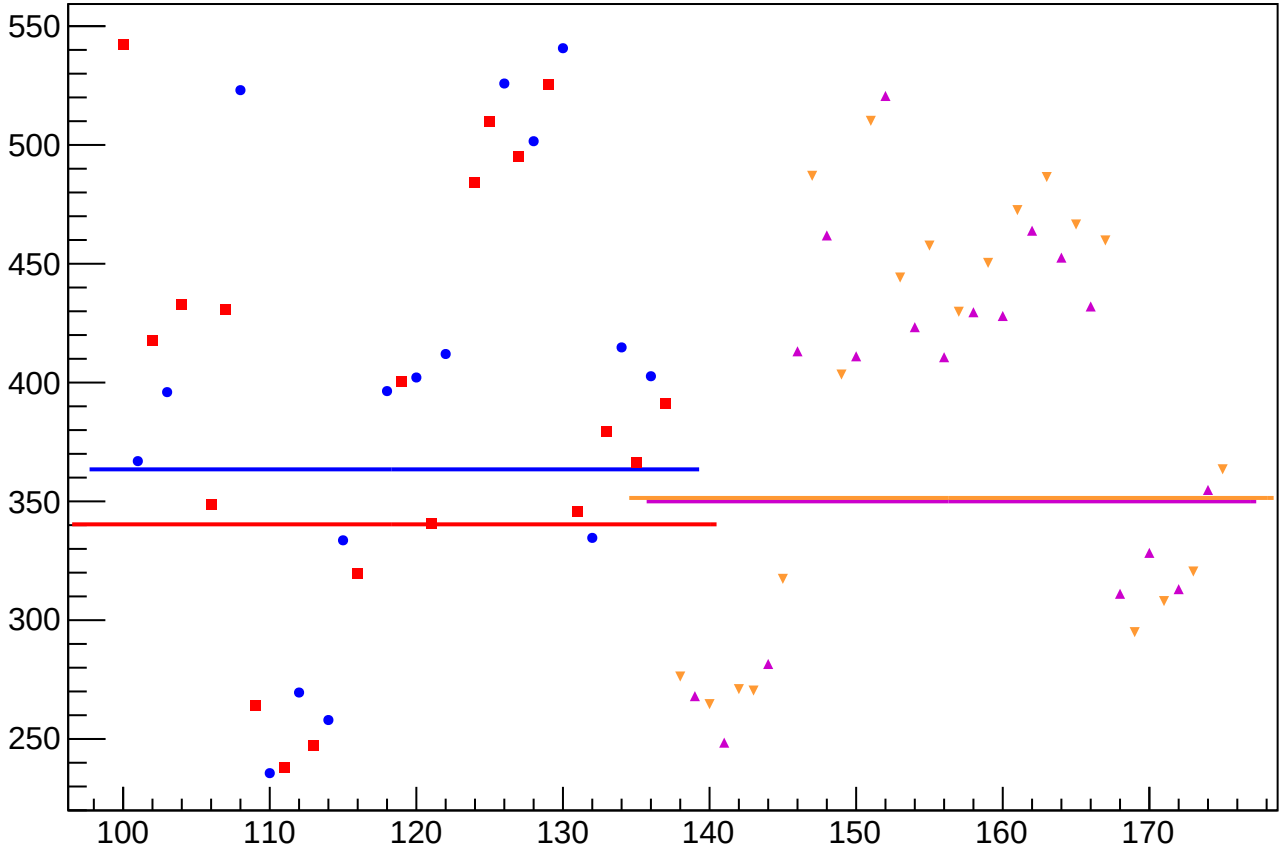
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -88.557+/-77.782 χ^2/NDF:459.3/33

Out: 545.470+/-74.567 χ^2/NDF:729.5/38

All: 241.828+/-53.828 χ^2/NDF: 1223.5/72

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 351.439+/-0.064 χ^2/NDF:1642056.0/19

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 350.005+/-0.066 χ^2/NDF:1363084.1/17

Left: 350.740+/-0.046 χ^2/NDF: 3005380.9/37

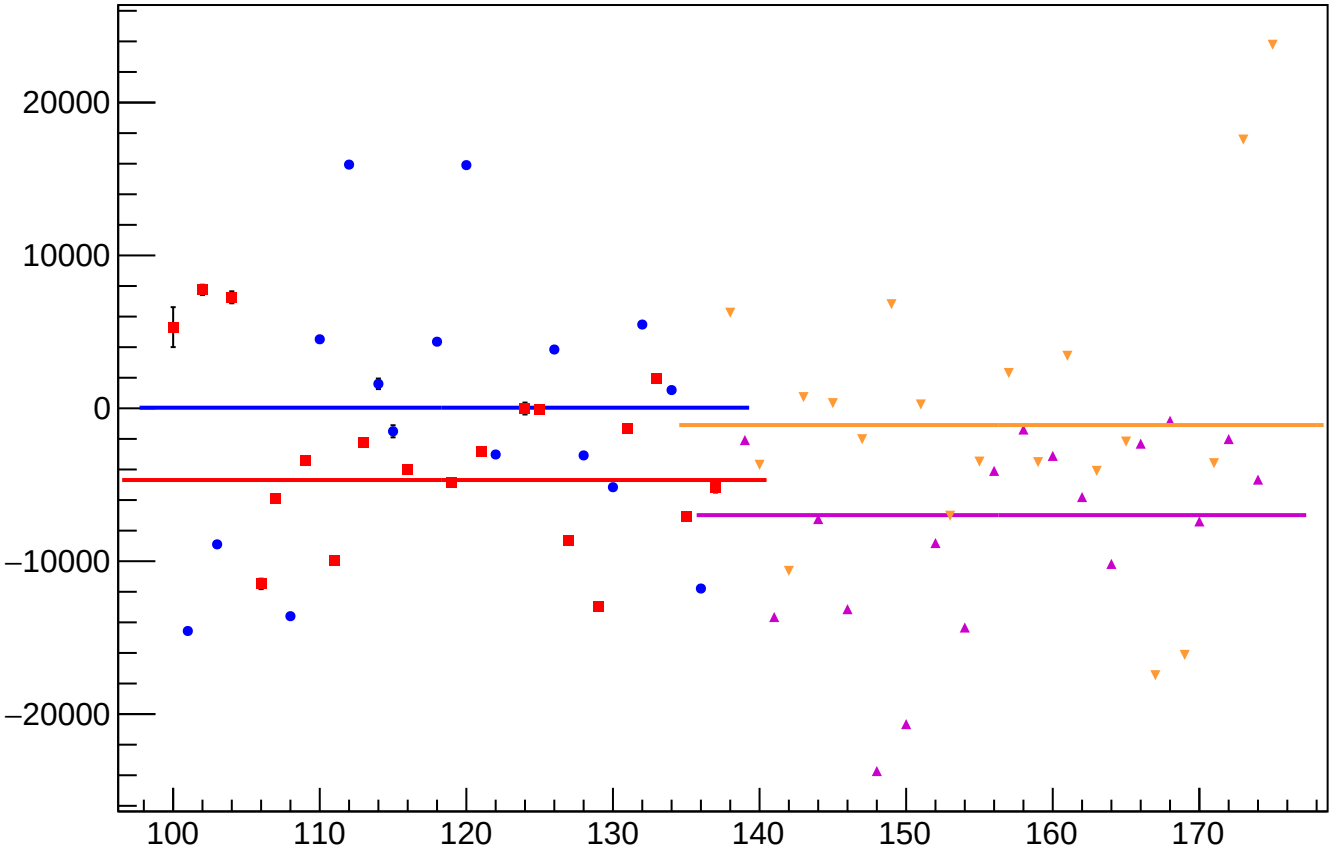
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 354.158+/-0.055 χ^2/NDF:2156762.7/33

Out: 347.762+/-0.053 χ^2/NDF:2508111.6/38

All: 350.826+/-0.038 χ^2/NDF: 4671921.4/72

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1094.660+/-43.346 χ^2/NDF:46148.1/19

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -6985.642+/-45.211 χ^2/NDF:17737.5/17

Left: -3916.132+/-31.289 χ^2/NDF: 72732.1/37

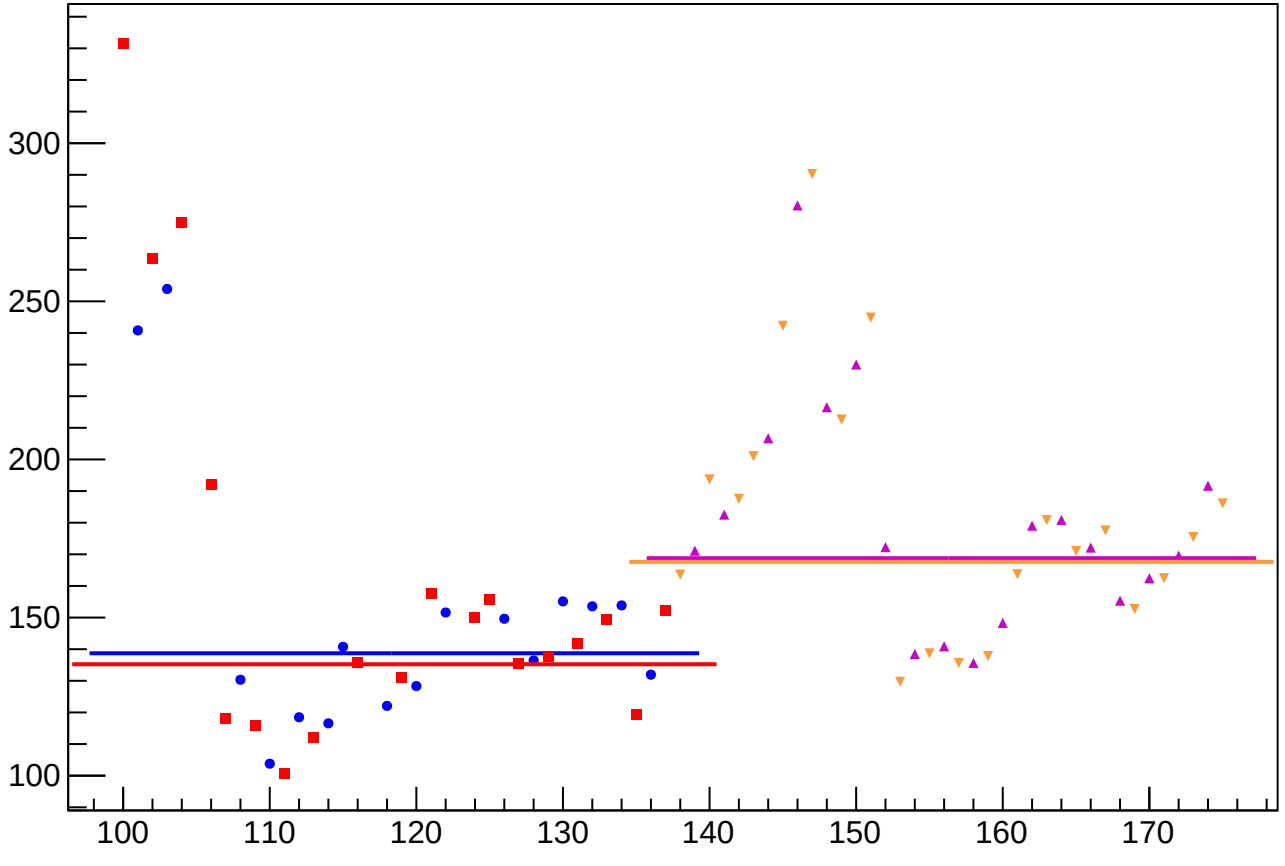
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4102.502+/-34.718 χ^2/NDF:58435.0/33

Out: -2565.360+/-33.320 χ^2/NDF:56757.9/38

All: -3302.370+/-24.040 χ^2/NDF: 116213.2/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

Left: 168.167+/-0.022 χ^2/NDF: 2065705.0/37

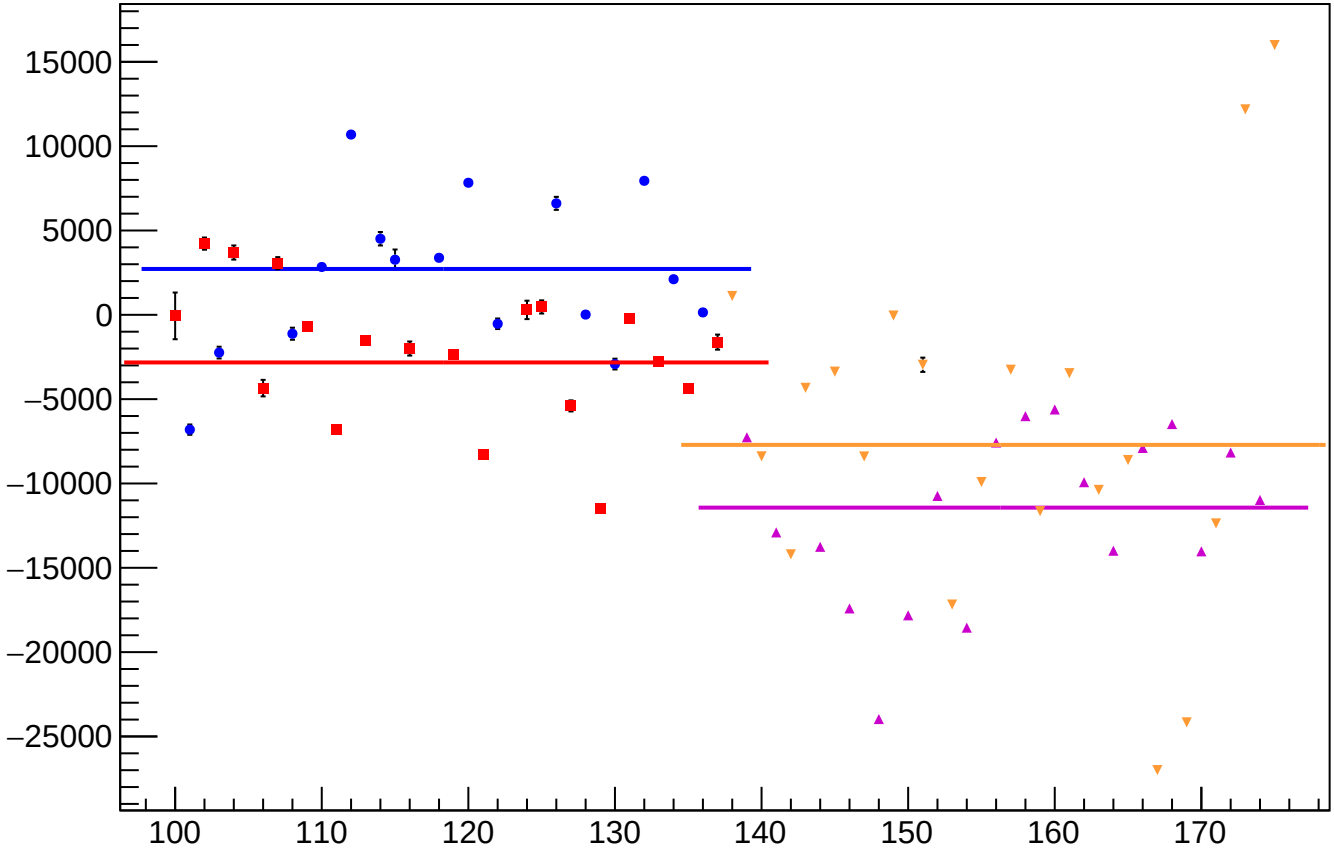
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.435+/-0.025 χ^2/NDF:1905928.6/33

Out: 154.373+/-0.024 χ^2/NDF:2525869.7/38

All: 155.361+/-0.017 χ^2/NDF: 4435470.9/72

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11431.955+/-48.267 χ^2/NDF:10574.4/17

Left: -9670.838+/-35.024 χ^2/NDF: 52534.9/37

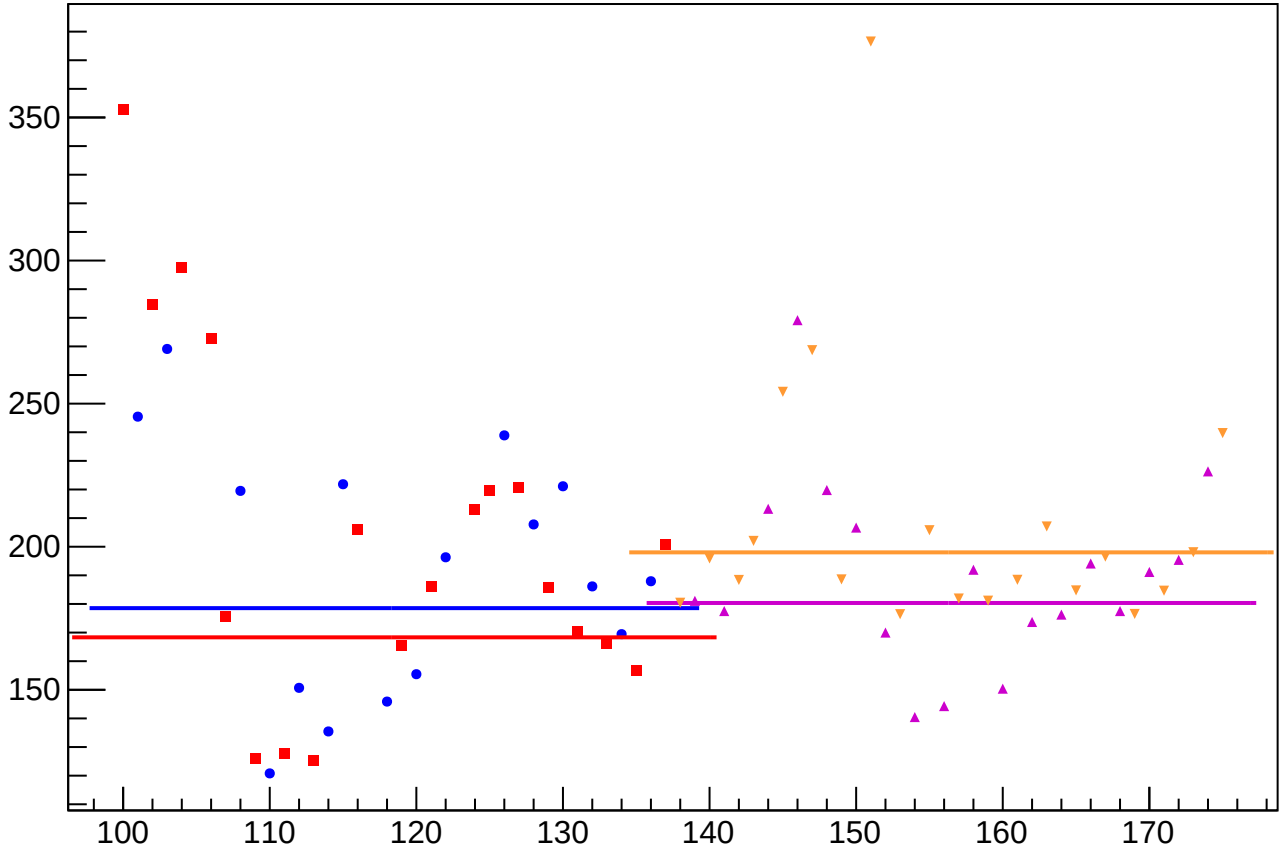
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6804.540+/-39.597 χ^2/NDF:42813.0/33

Out: -5848.556+/-40.041 χ^2/NDF:45727.5/38

All: -6331.873+/-28.155 χ^2/NDF: 88828.8/72

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

Left: 188.716+/-0.025 χ^2/NDF: 1594651.3/37

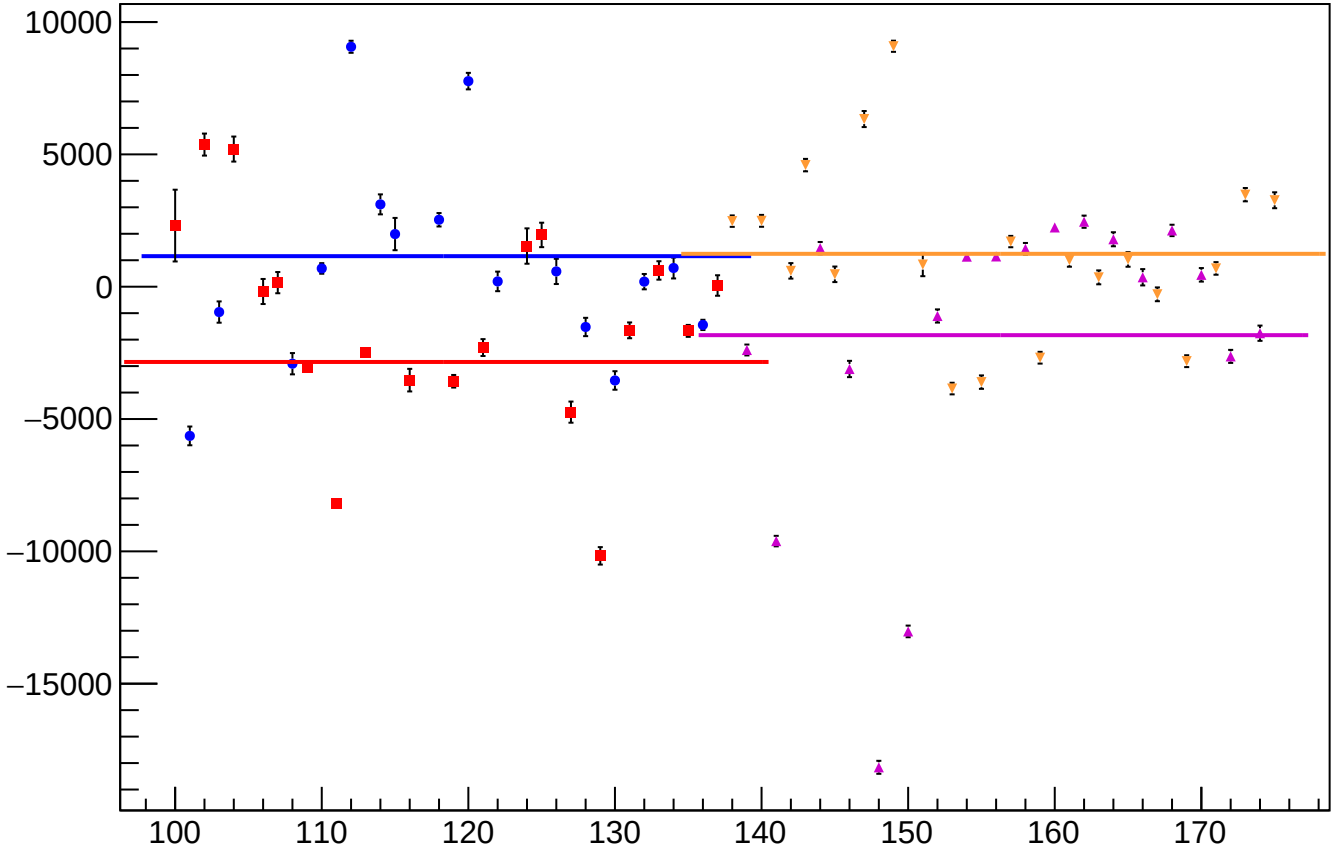
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.754+/-0.028 χ^2/NDF:1426124.7/33

Out: 186.709+/-0.028 χ^2/NDF:1955832.1/38

All: 183.193+/-0.020 χ^2/NDF: 3412460.7/72

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1831.110+/-52.801 χ^2/NDF:11093.1/17

Left: -378.617+/-38.346 χ^2/NDF: 16356.5/37

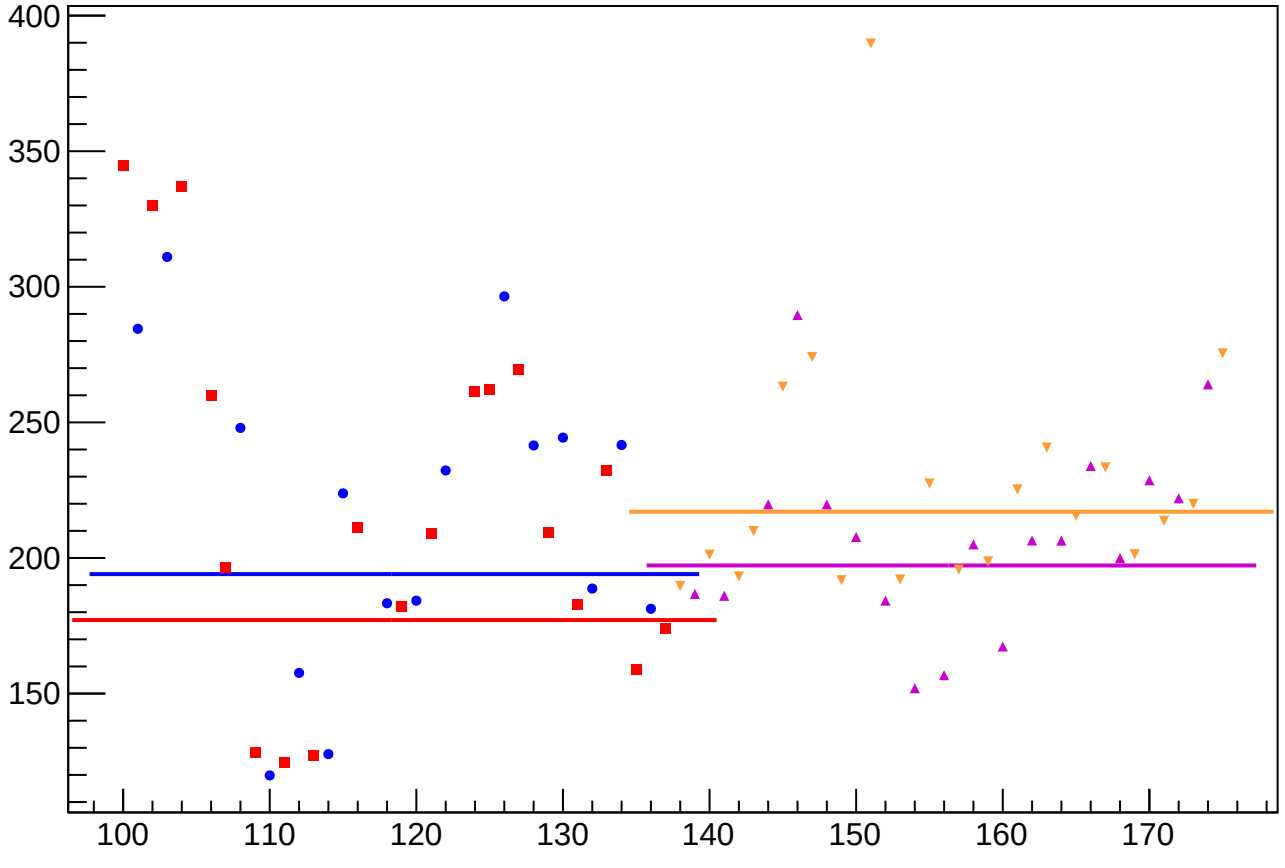
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -858.629+/-43.355 χ^2/NDF:14789.6/33

Out: -368.706+/-43.412 χ^2/NDF:8231.1/38

All: -613.991+/-30.677 χ^2/NDF: 23084.5/72

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

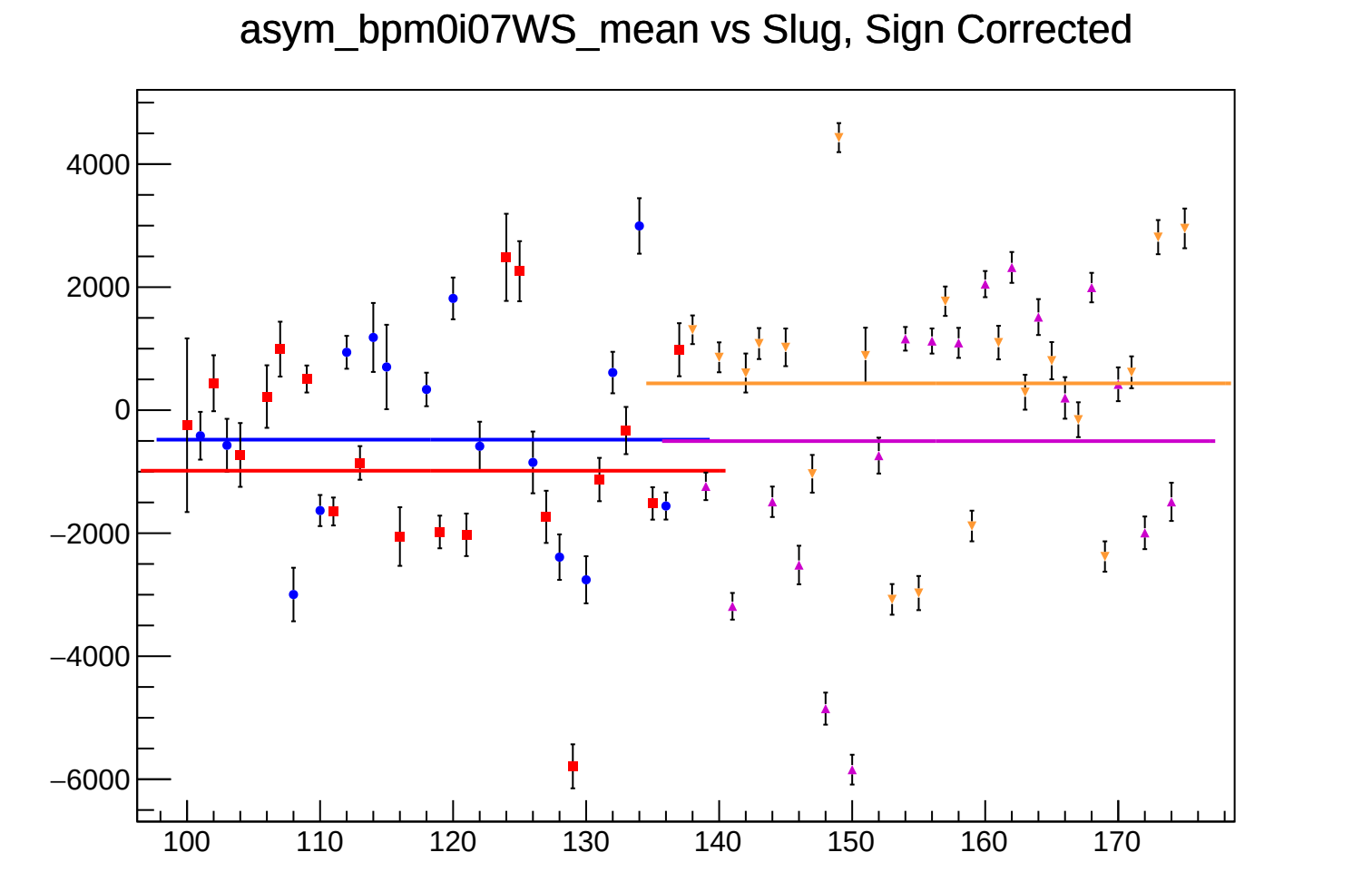
Left: 206.605+/-0.027 χ^2/NDF: 1561533.9/37

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.200+/-0.031 χ^2/NDF:1707664.2/33

Out: 201.310+/-0.031 χ^2/NDF:2452536.6/38

All: 198.752+/-0.022 χ^2/NDF: 4174073.9/72



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -502.811+/-58.448 χ^2/NDF:1651.7/17

Left: -51.589+/-42.122 χ^2/NDF: 2857.3/37

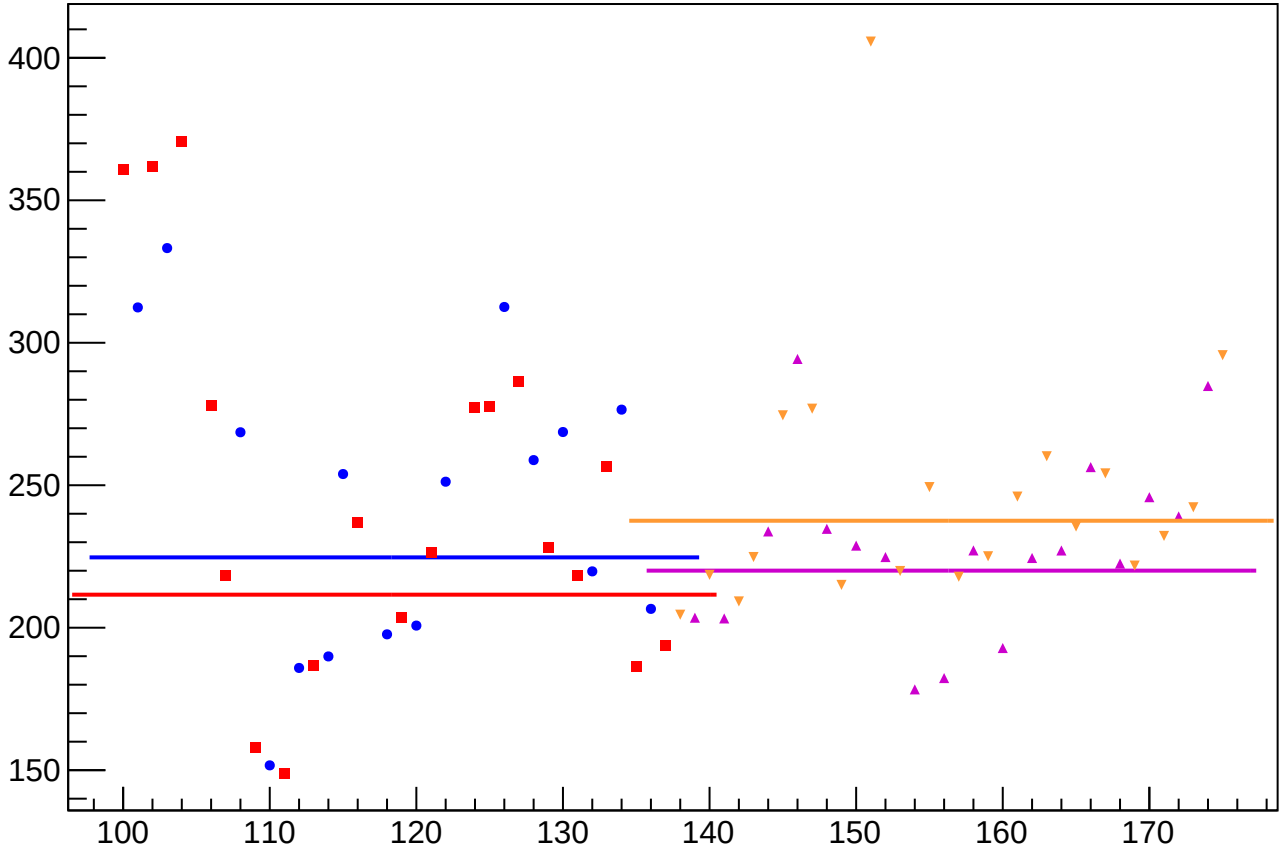
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -495.463+/-48.461 χ^2/NDF:1957.2/33

Out: -75.907+/-48.593 χ^2/NDF:1676.6/38

All: -286.253+/-34.314 χ^2/NDF: 3671.2/72

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

Left: 228.446+/-0.030 χ^2/NDF: 1129517.1/37

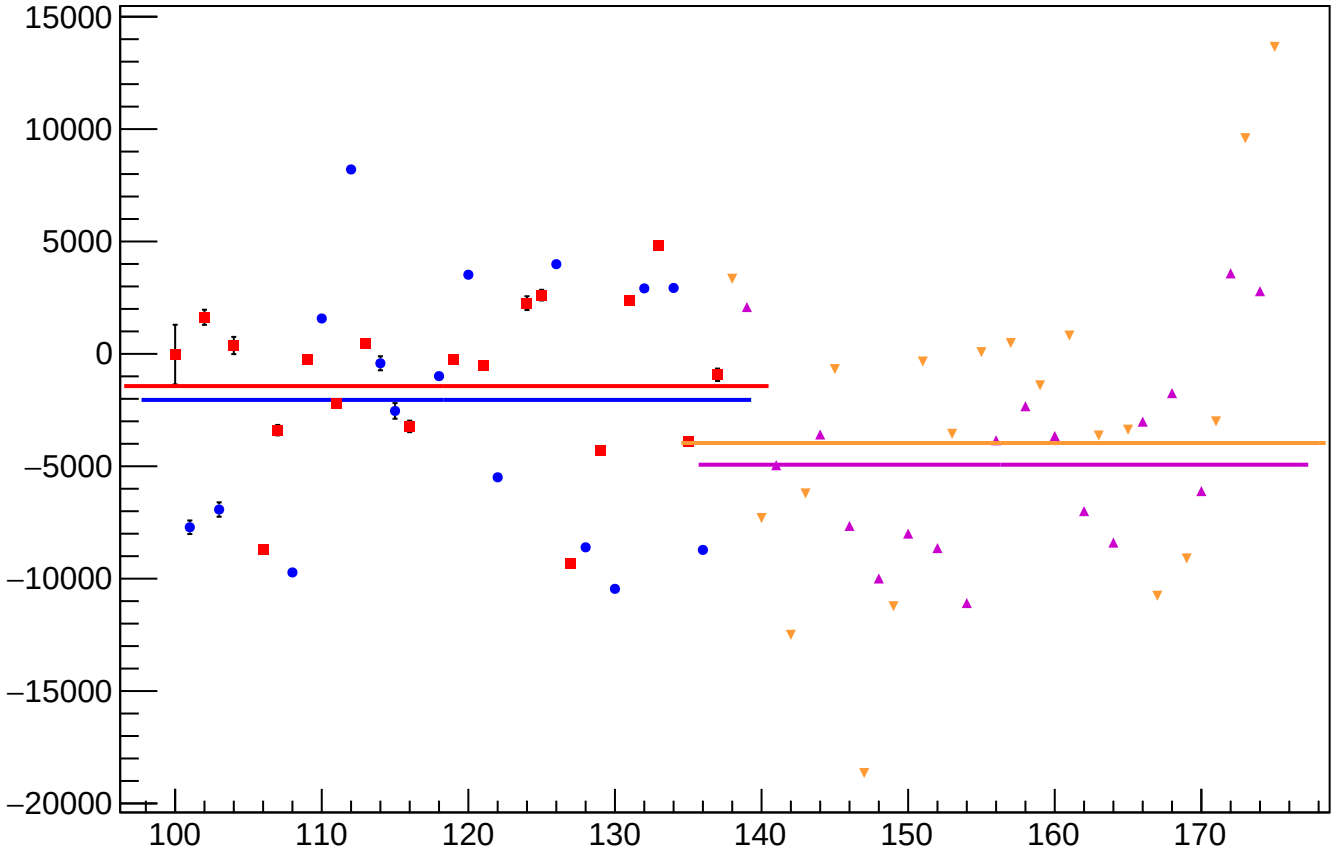
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 221.485+/-0.034 χ^2/NDF:1144069.3/33

Out: 228.190+/-0.034 χ^2/NDF:1620665.7/38

All: 224.828+/-0.024 χ^2/NDF: 2783825.5/72

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4930.863+/-33.492 χ^2/NDF:14639.5/17

Left: -4430.379+/-23.234 χ^2/NDF: 61979.7/37

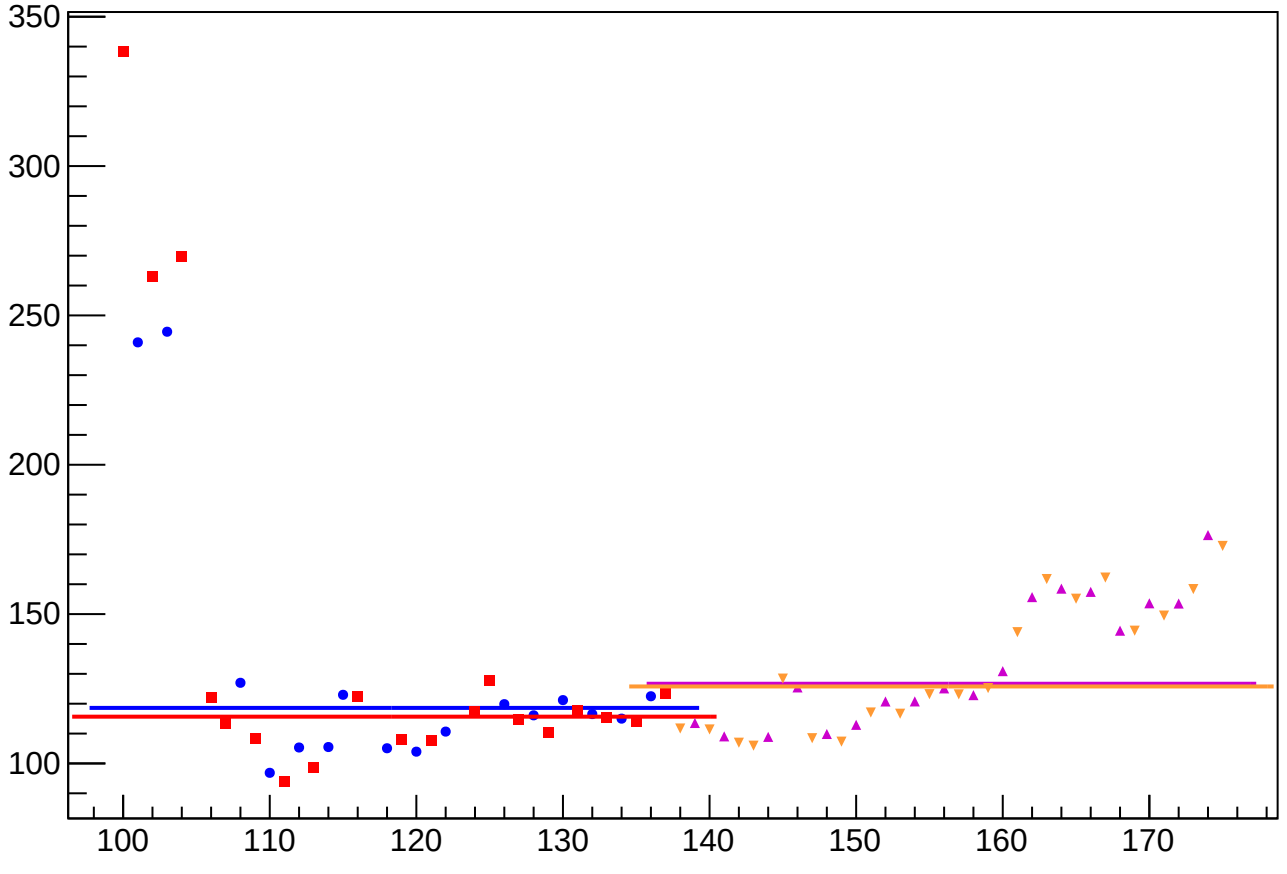
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3952.053+/-27.221 χ^2/NDF:33864.8/33

Out: -3099.301+/-26.164 χ^2/NDF:55407.5/38

All: -3508.808+/-18.863 χ^2/NDF: 89782.4/72

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

Left: 126.210+/-0.016 χ^2/NDF: 1327925.3/37

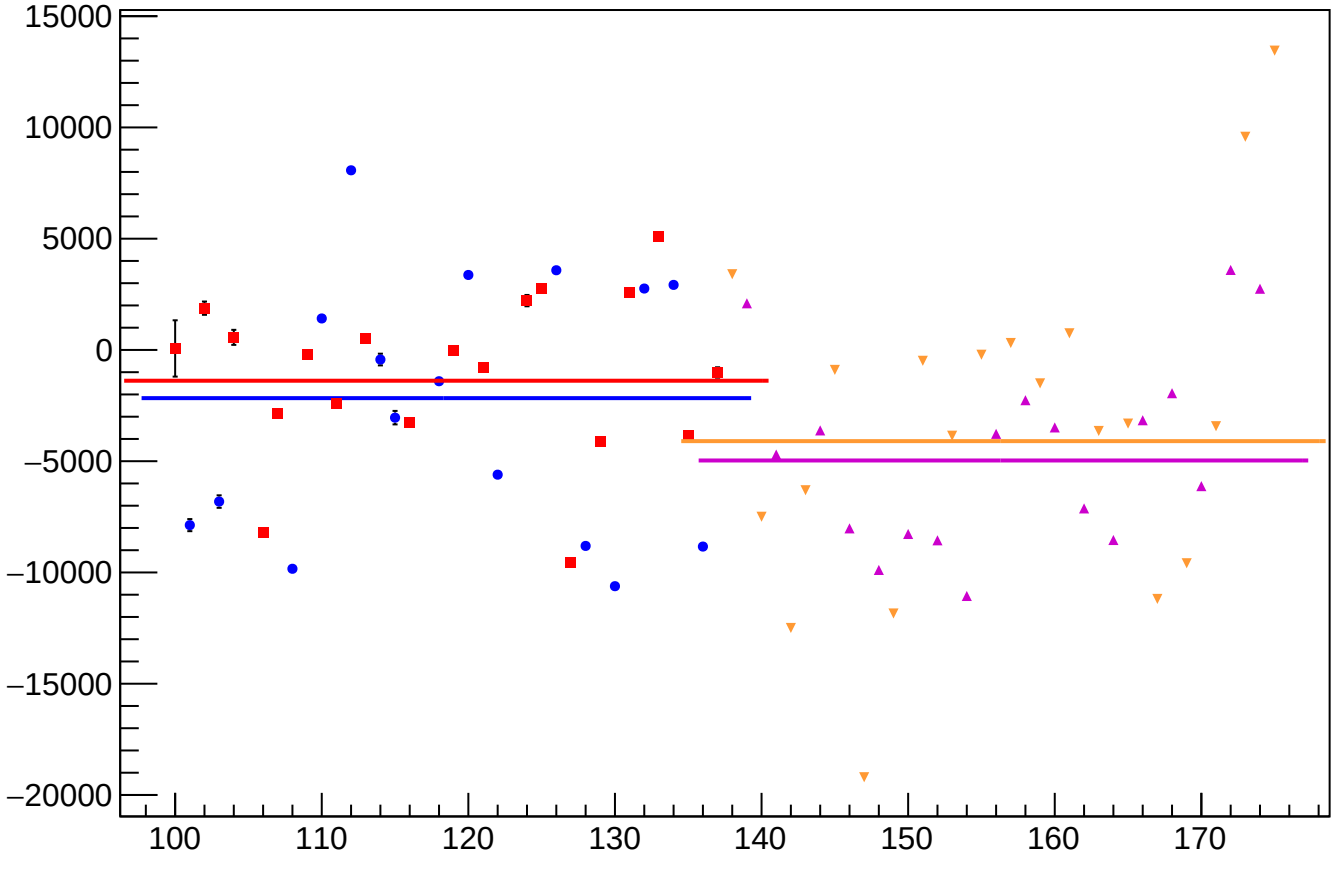
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 123.937+/-0.019 χ^2/NDF:1368805.9/33

Out: 122.313+/-0.019 χ^2/NDF:1663547.9/38

All: 123.093+/-0.013 χ^2/NDF: 3036054.6/72

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4098.170+/-29.164 χ^2/NDF:55765.0/19

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -4967.624+/-30.562 χ^2/NDF:17496.6/17

Left: -4512.559+/-21.099 χ^2/NDF: 73685.3/37

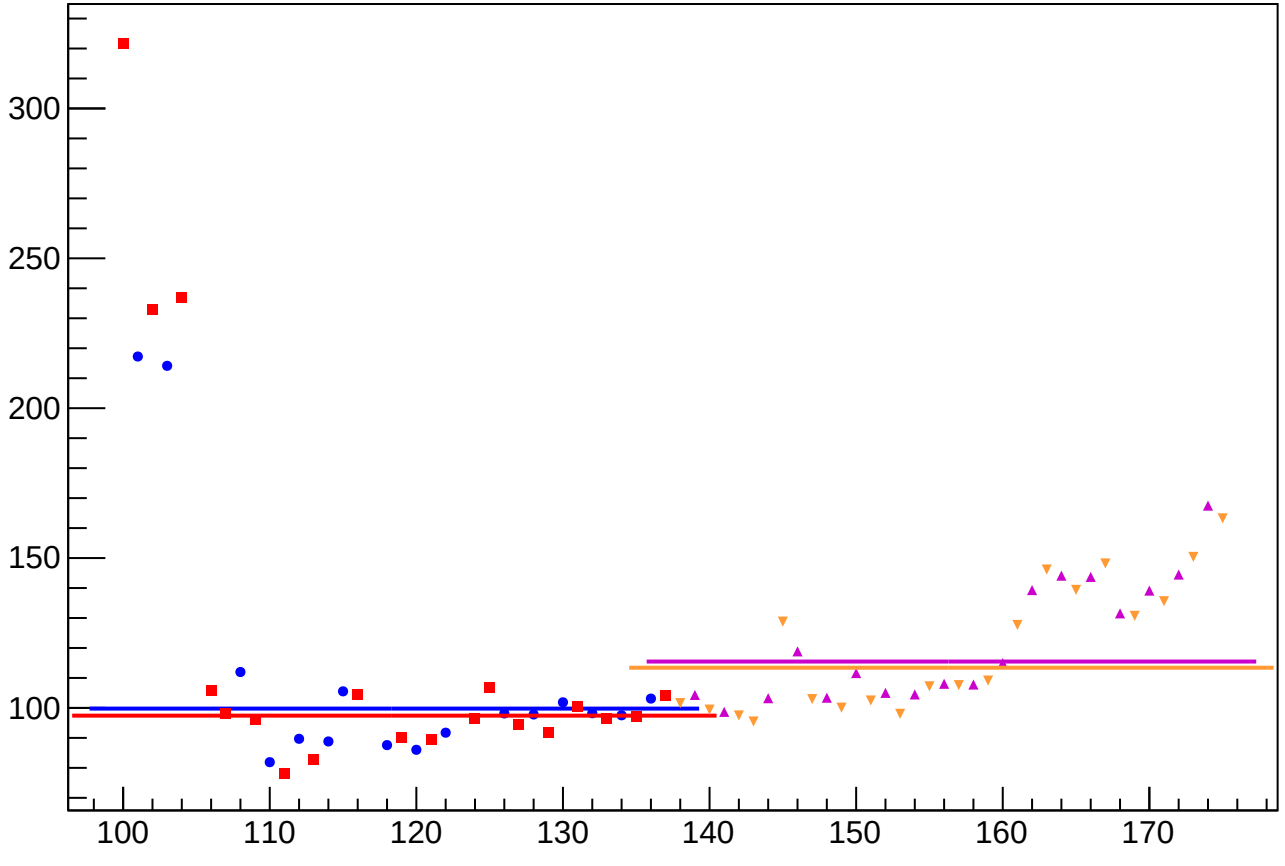
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3922.845+/-24.202 χ^2/NDF:43505.5/33

Out: -3090.954+/-23.130 χ^2/NDF:68128.9/38

All: -3488.077+/-16.721 χ^2/NDF: 112251.8/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 113.415+/-0.021 χ^2/NDF:822763.2/19

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 115.475+/-0.022 χ^2/NDF:607321.4/17

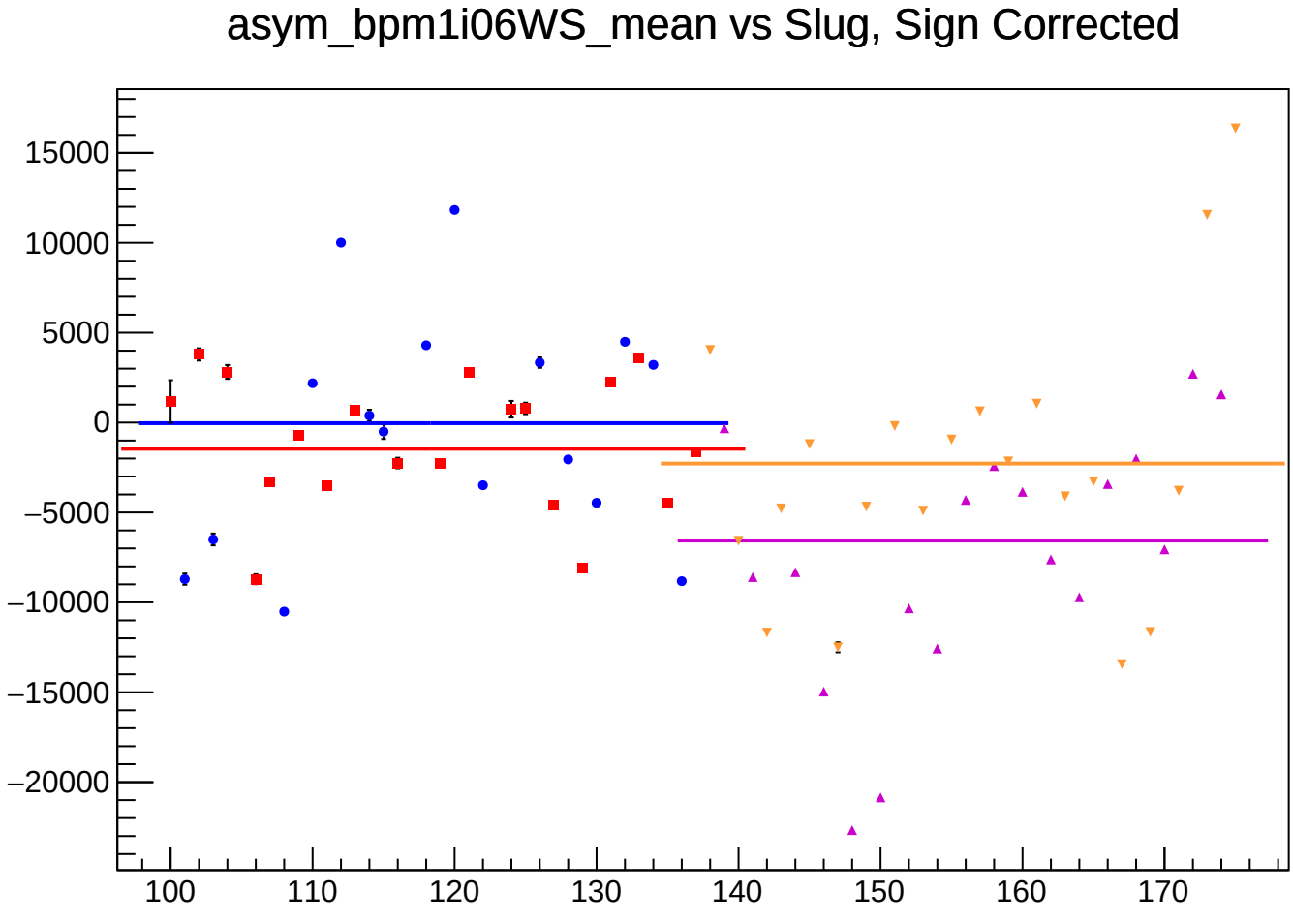
Left: 114.397+/-0.015 χ^2/NDF: 1434840.7/37

Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 109.620+/-0.017 χ^2/NDF:1613317.4/33

Out: 107.484+/-0.016 χ^2/NDF:1971791.4/38

All: 108.504+/-0.012 χ^2/NDF: 3593252.3/72



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2278.891+/-40.507 χ^2/NDF:25054.1/19

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6559.807+/-42.806 χ^2/NDF:18381.1/17

Left: -4301.260+/-29.422 χ^2/NDF: 48711.7/37

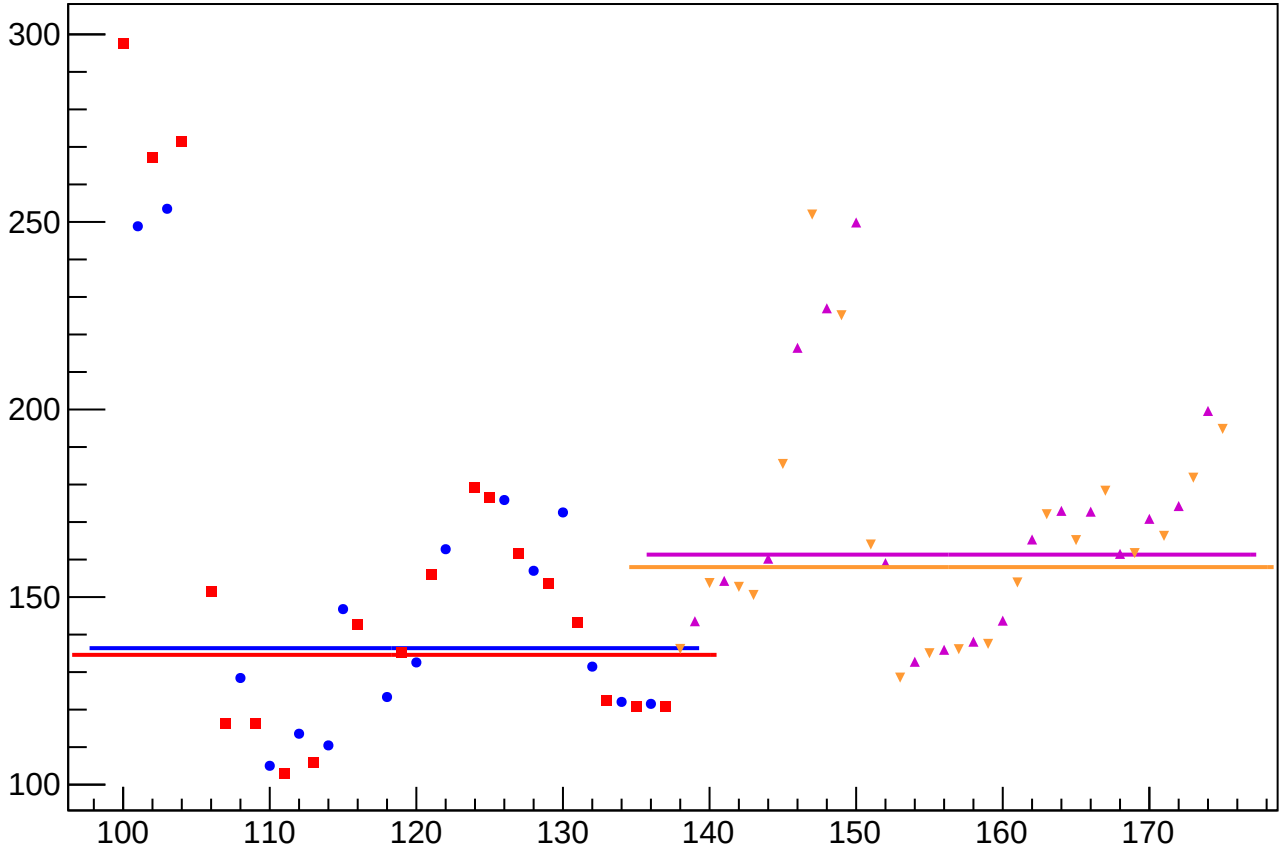
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4010.927+/-33.416 χ^2/NDF:44260.4/33

Out: -1967.980+/-31.943 χ^2/NDF:29326.9/38

All: -2943.435+/-23.090 χ^2/NDF: 75540.4/72

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 157.990+/-0.029 χ^2/NDF:799238.3/19

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 161.316+/-0.030 χ^2/NDF:799623.3/17

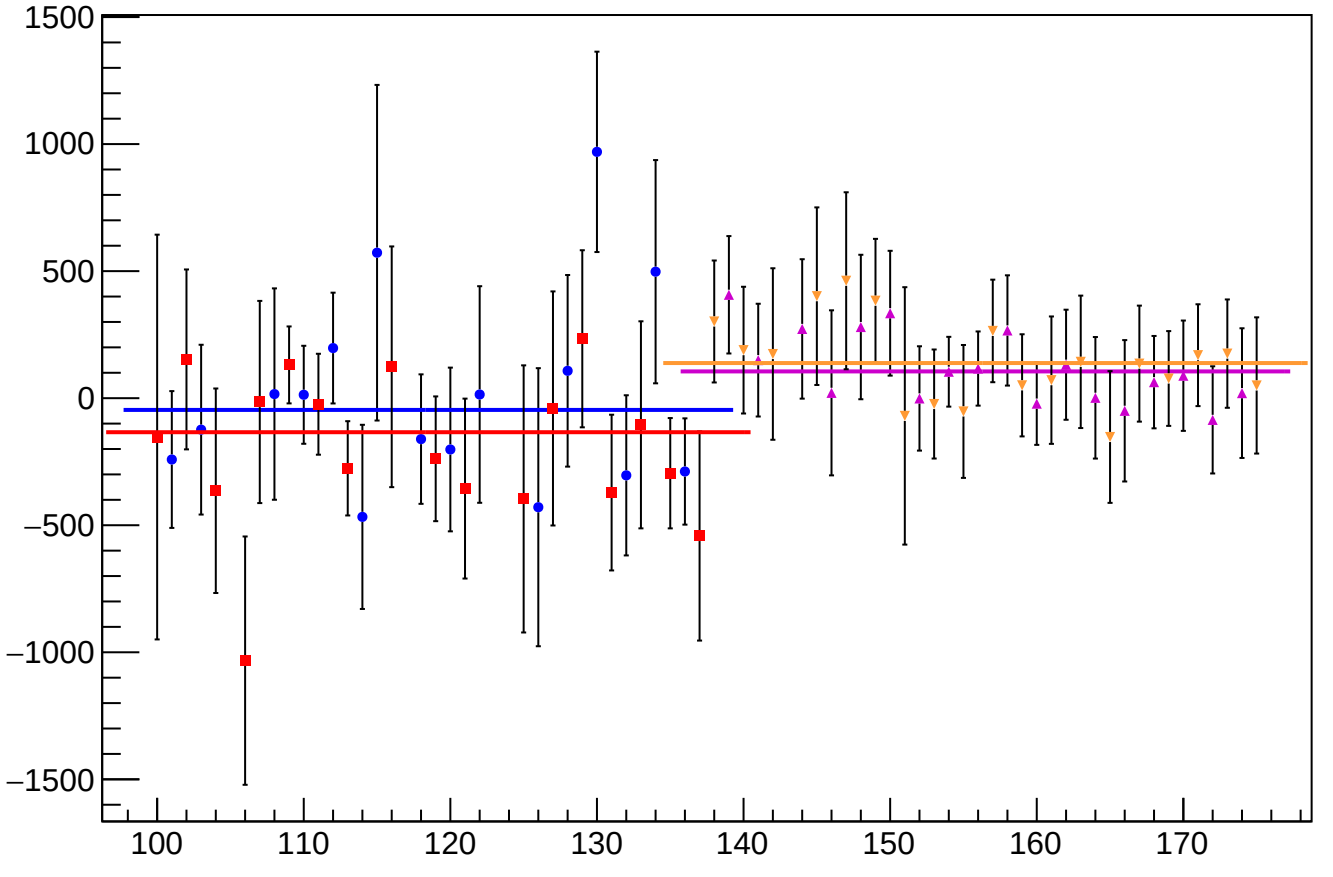
Left: 159.561+/-0.021 χ^2/NDF: 1605232.2/37

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 151.577+/-0.024 χ^2/NDF:1861517.6/33

Out: 149.145+/-0.023 χ^2/NDF:1971042.3/38

All: 150.306+/-0.016 χ^2/NDF: 3838095.1/72



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 138.294+/-55.957 χ^2/NDF:6.4/18

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 105.331+/-49.106 χ^2/NDF:6.4/17

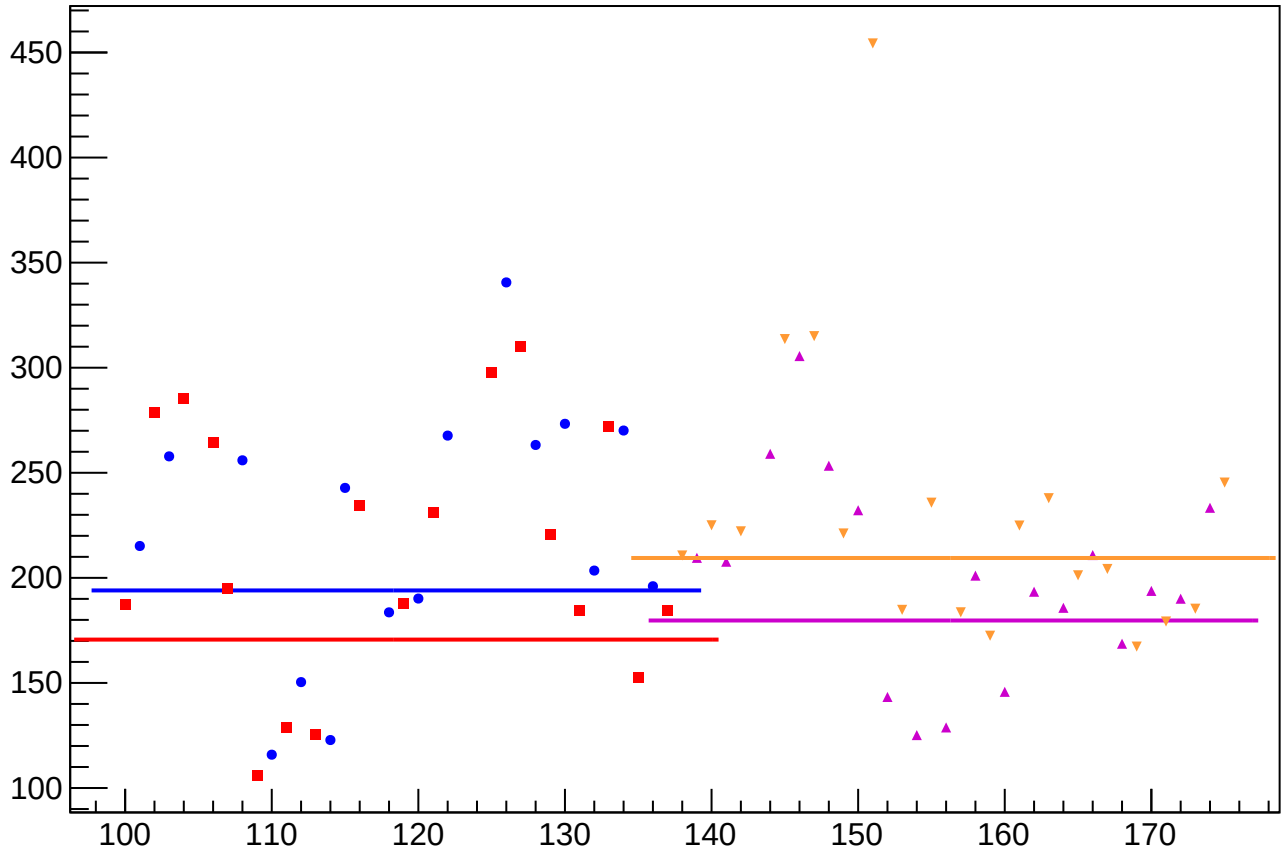
Left: 119.672+/-36.909 χ^2/NDF: 13.0/36

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 60.935+/-41.291 χ^2/NDF:24.6/33

Out: 29.183+/-43.314 χ^2/NDF:28.7/36

All: 45.818+/-29.887 χ^2/NDF: 53.6/70



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 209.457+/-0.040 χ^2/NDF:1235056.0/18

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 179.713+/-0.035 χ^2/NDF:1629335.0/17

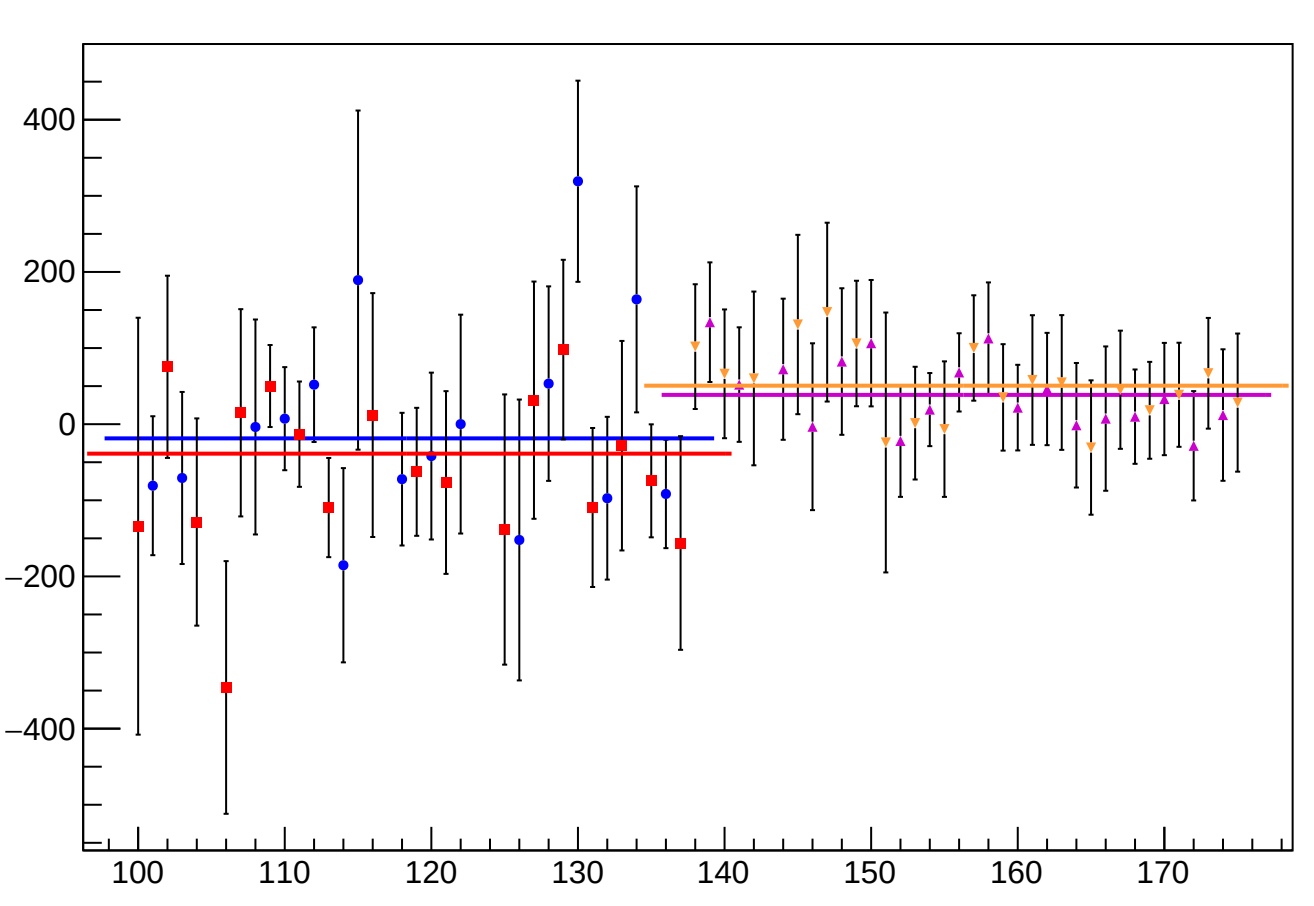
Left: 192.654+/-0.026 χ^2/NDF: 3183609.3/36

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 183.904+/-0.029 χ^2/NDF:2722638.1/33

Out: 193.891+/-0.031 χ^2/NDF:3214883.9/36

All: 188.659+/-0.021 χ^2/NDF: 5993223.3/70



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.586+/-19.090 χ^2/NDF:4.9/18

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 38.471+/-16.889 χ^2/NDF:6.5/17

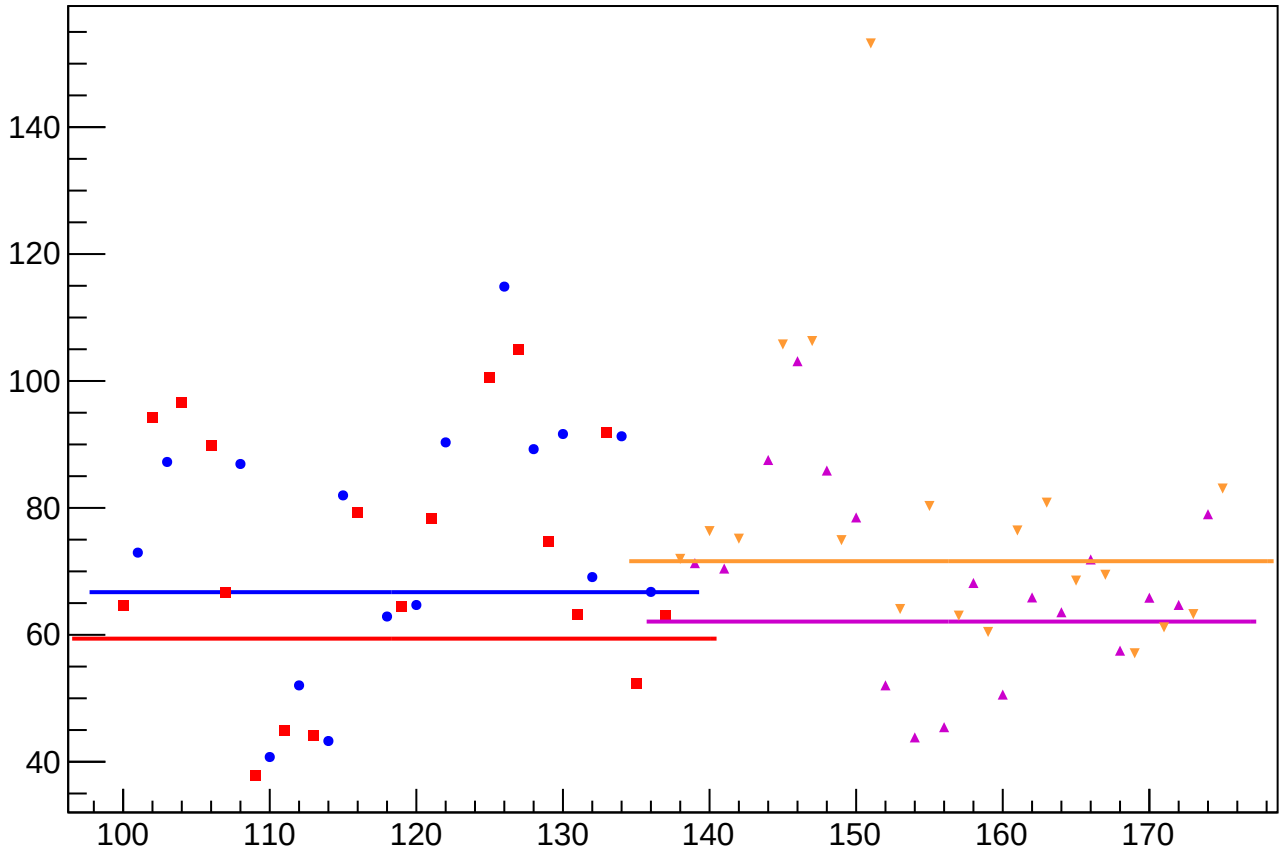
Left: 43.790+/-12.650 χ^2/NDF: 11.6/36

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 21.634+/-14.183 χ^2/NDF:25.1/33

Out: 15.358+/-14.855 χ^2/NDF:26.1/36

All: 18.641+/-10.258 χ^2/NDF: 51.3/70



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.604+/-0.013 χ^2/NDF:1172644.2/18

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.089+/-0.012 χ^2/NDF:1439365.8/17

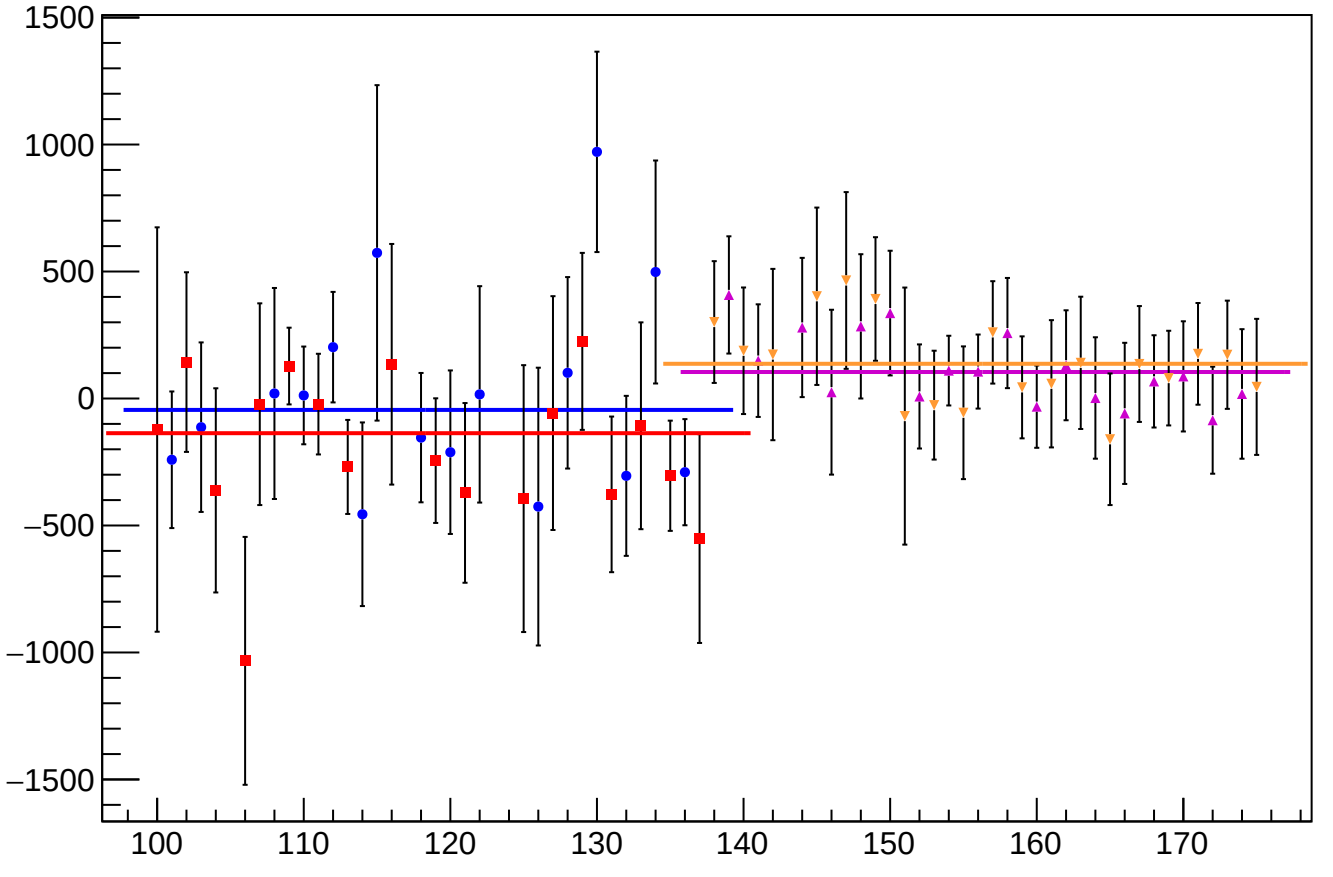
Left: 66.267+/-0.009 χ^2/NDF: 2890660.0/36

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.456+/-0.010 χ^2/NDF:2430807.2/33

Out: 66.790+/-0.011 χ^2/NDF:2940392.0/36

All: 65.046+/-0.007 χ^2/NDF: 5423897.1/70



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 136.678+/-55.911 χ^2/NDF:6.7/18

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 104.327+/-49.065 χ^2/NDF:6.5/17

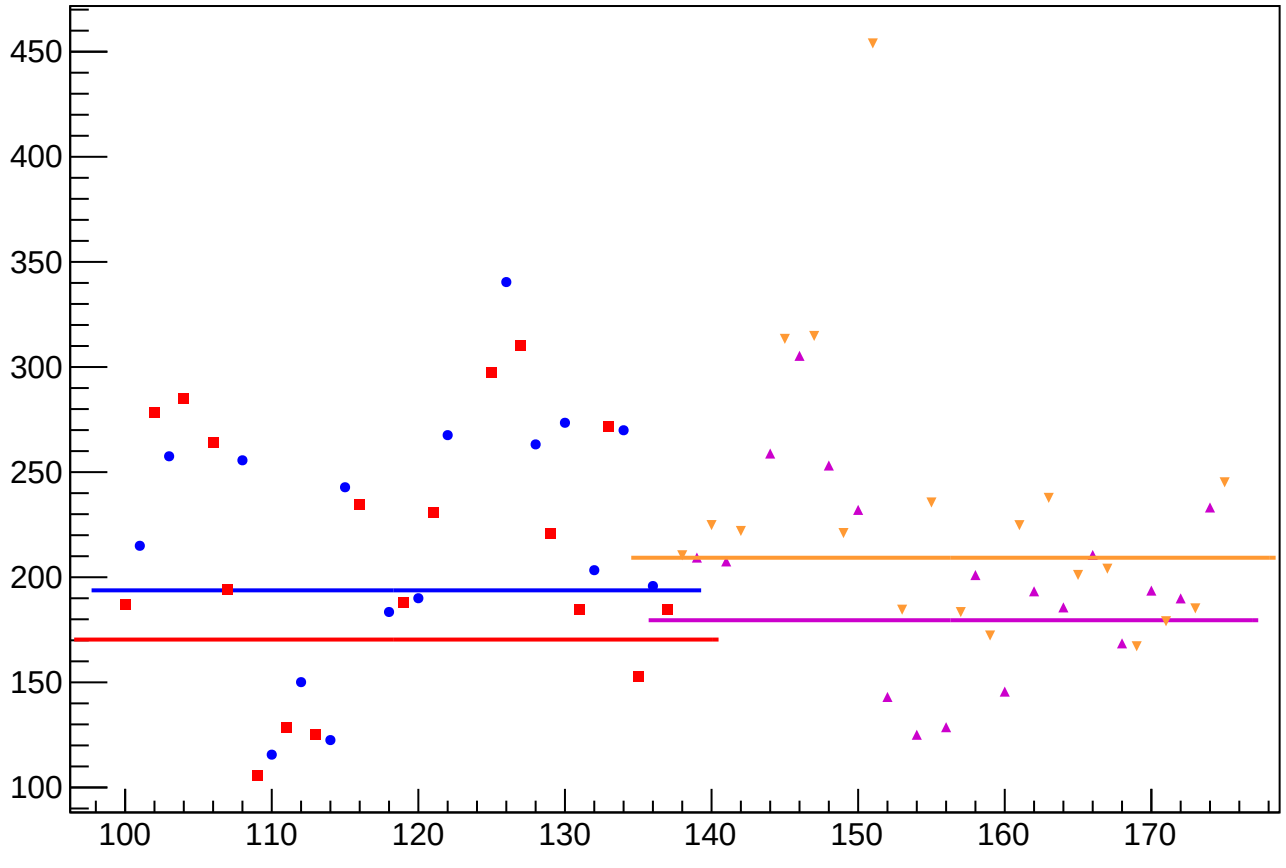
Left: 118.401+/-36.878 χ^2/NDF: 13.3/36

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 60.584+/-41.252 χ^2/NDF:24.7/33

Out: 27.078+/-43.269 χ^2/NDF:29.1/36

All: 44.630+/-29.857 χ^2/NDF: 54.1/70



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.281+/-0.040 χ^2/NDF:1235684.5/18

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

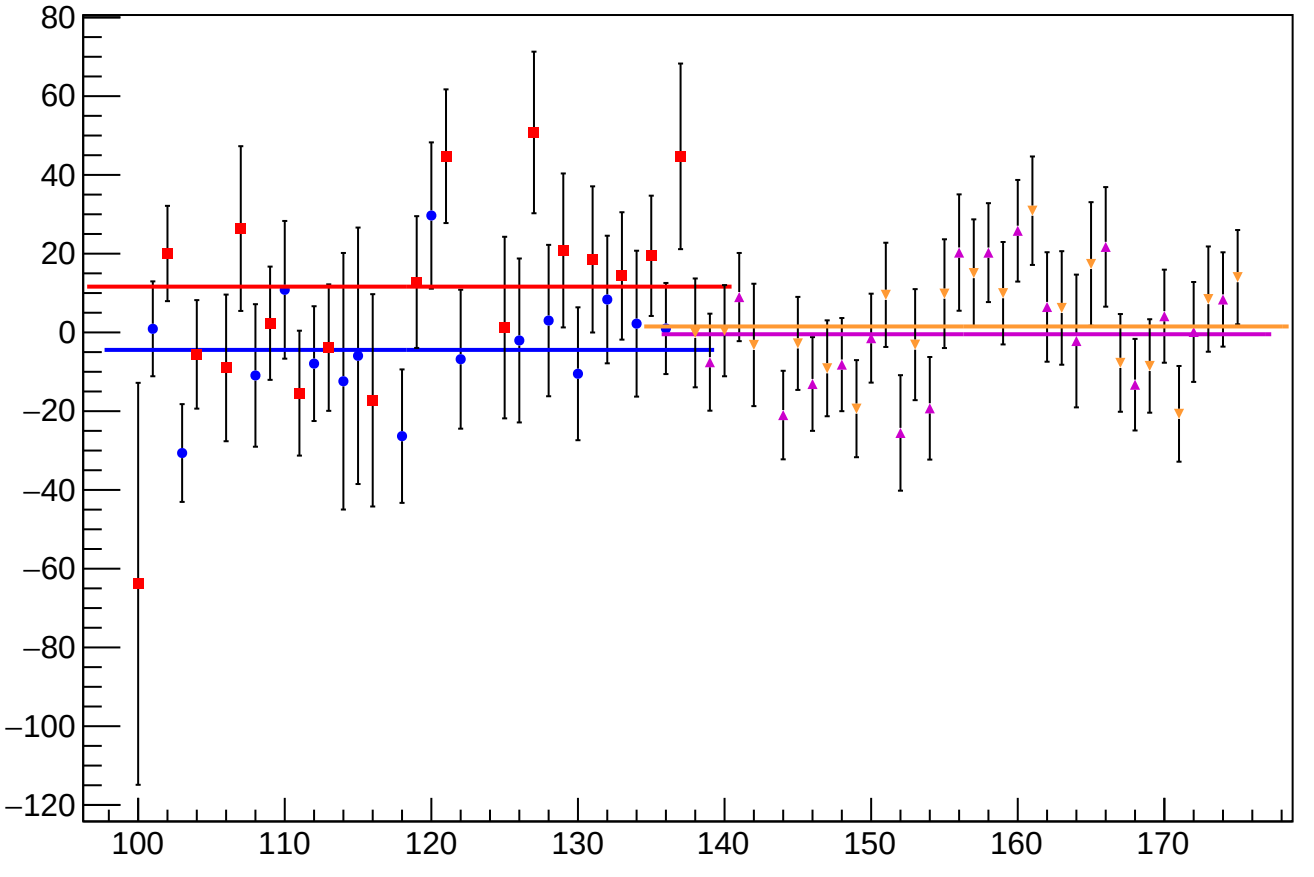
Left: 192.486+/-0.026 χ^2/NDF: 3186671.7/36

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.719+/-0.029 χ^2/NDF:2728854.8/33

Out: 193.669+/-0.031 χ^2/NDF:3223474.9/36

All: 188.457+/-0.021 χ^2/NDF: 6007735.6/70



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.511+/-2.993 χ^2/NDF:17.8/18

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.462+/-2.978 χ^2/NDF:24.1/17

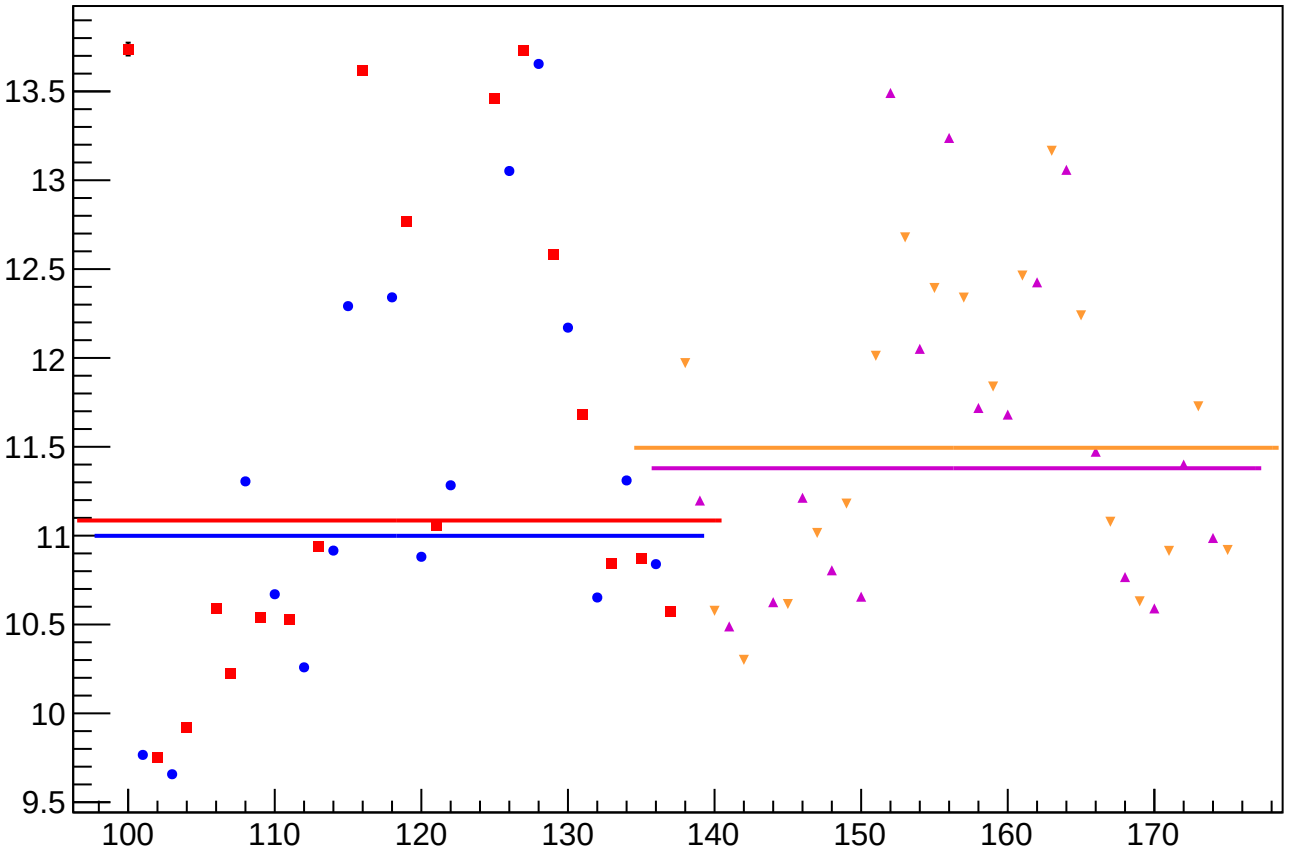
Left: 0.520+/-2.111 χ^2/NDF: 42.1/36

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.822+/-2.416 χ^2/NDF:36.7/33

Out: 4.986+/-2.425 χ^2/NDF:43.3/36

All: 1.570+/-1.711 χ^2/NDF: 84.0/70



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.494+/-0.002 χ^2/NDF:140846.2/18

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

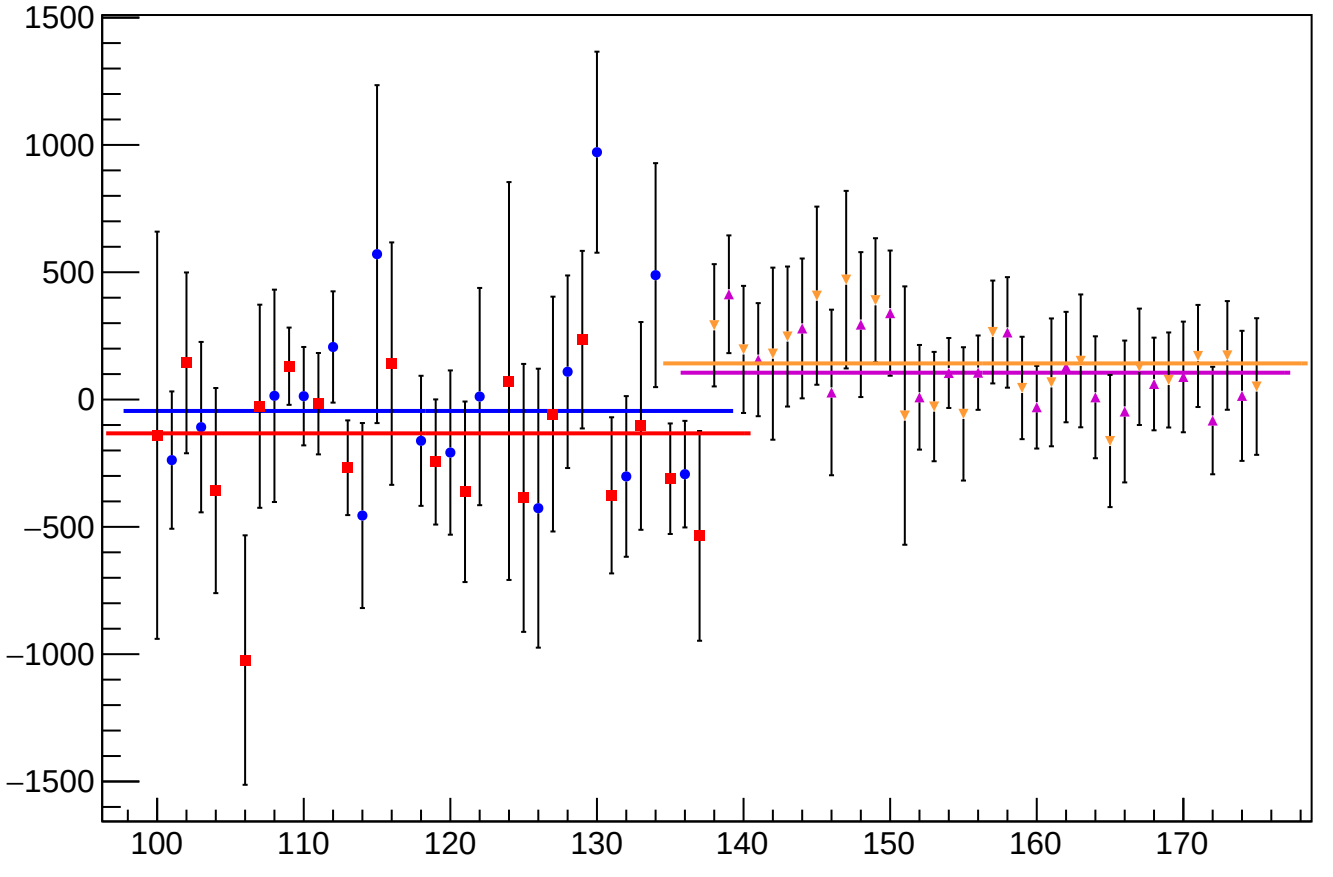
Left: 11.437+/-0.001 χ^2/NDF: 306534.6/36

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.249+/-0.002 χ^2/NDF:311513.6/33

Out: 11.354+/-0.002 χ^2/NDF:315895.8/36

All: 11.301+/-0.001 χ^2/NDF: 629278.1/70



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.412+/-49.145 χ^2/NDF:6.5/17

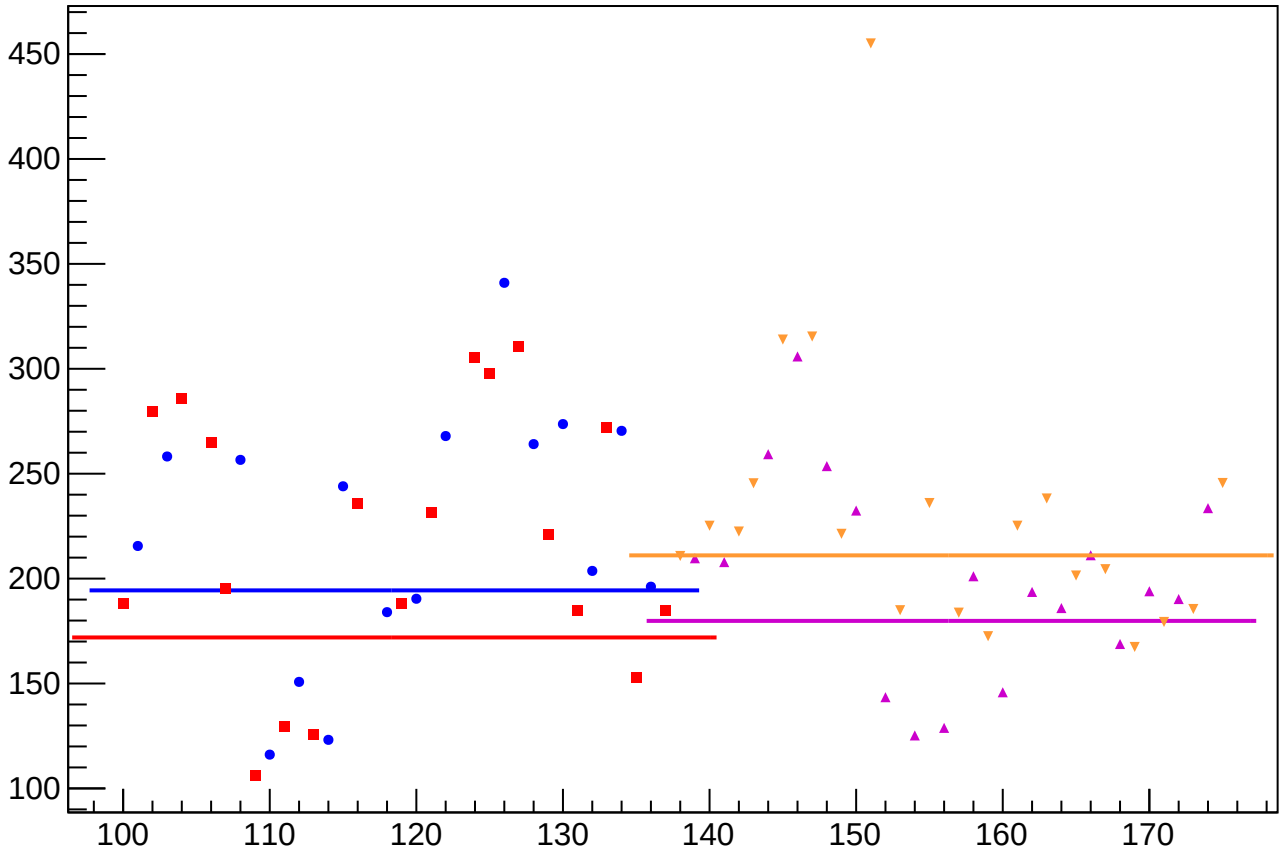
Left: 121.685+/-36.612 χ^2/NDF: 13.6/37

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 61.468+/-41.336 χ^2/NDF:24.7/33

Out: 34.138+/-42.775 χ^2/NDF:29.5/38

All: 48.270+/-29.724 χ^2/NDF: 54.4/72



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.071+/-0.039 χ^2/NDF:1269333.6/19

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

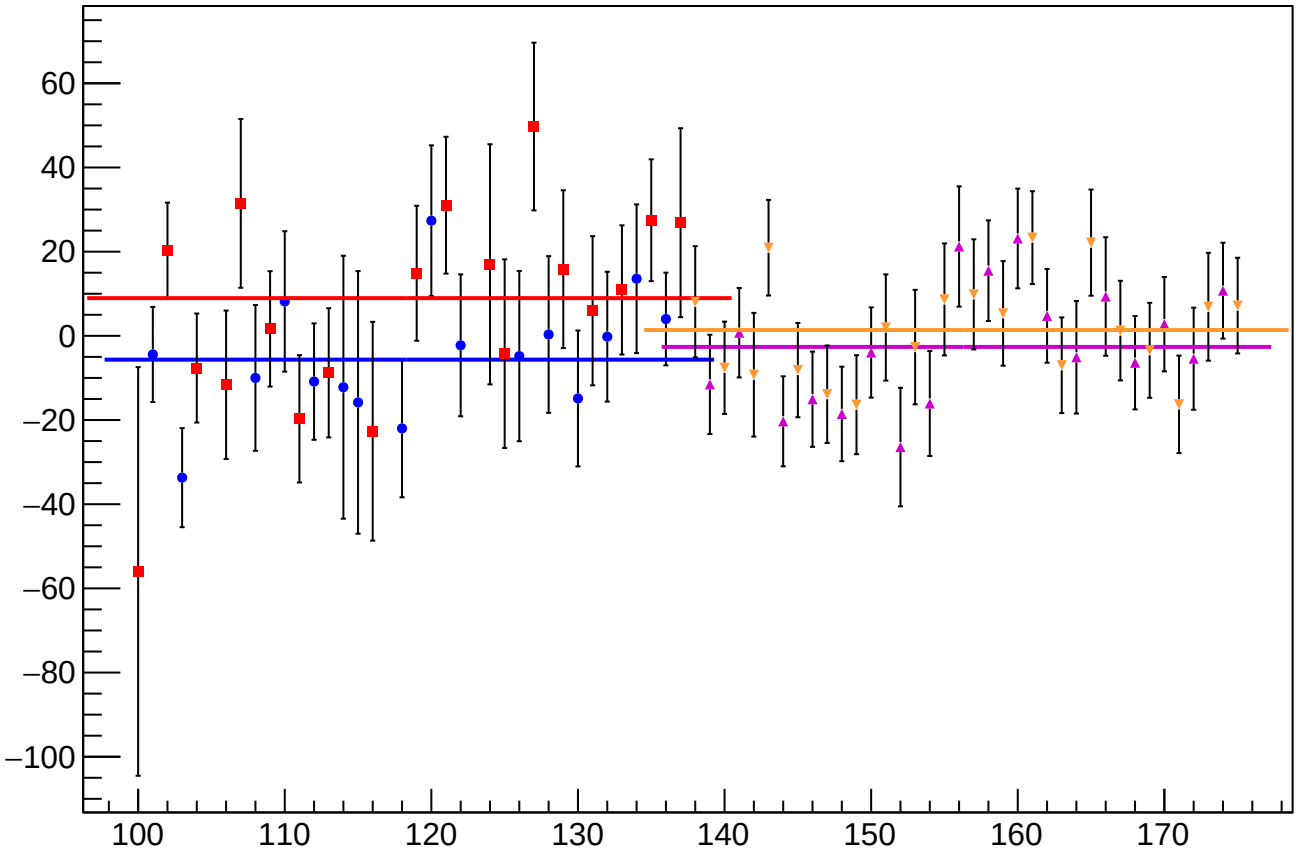
Left: 193.740+/-0.026 χ^2/NDF: 3260670.8/37

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.097+/-0.029 χ^2/NDF:2725235.3/33

Out: 195.713+/-0.030 χ^2/NDF:3319624.7/38

All: 189.706+/-0.021 χ^2/NDF: 6121121.2/72



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.631+/-2.784 χ^2/NDF:23.4/17

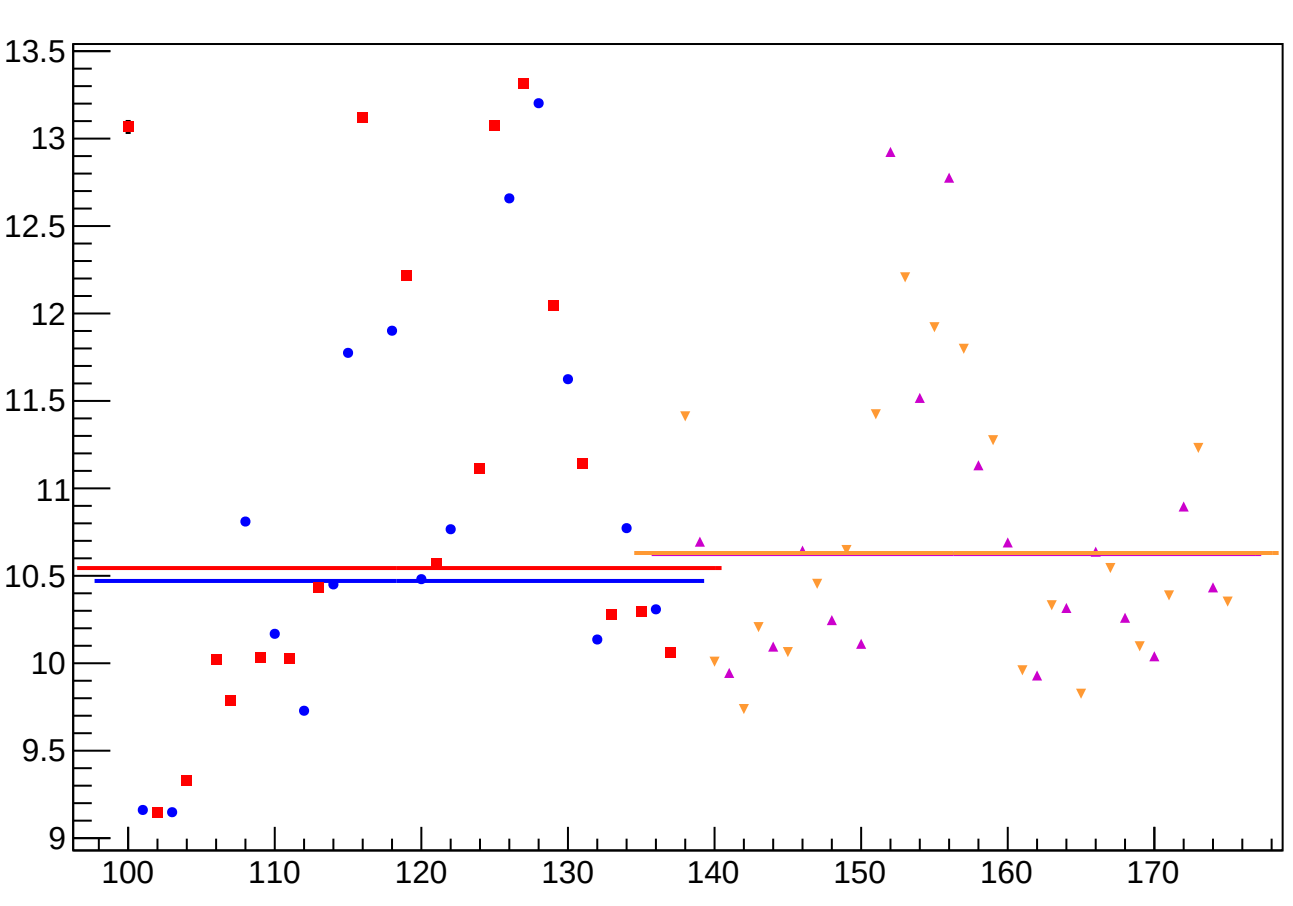
Left: -0.562+/-1.938 χ^2/NDF: 44.7/37

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.639+/-2.273 χ^2/NDF:37.5/33

Out: 3.836+/-2.219 χ^2/NDF:45.6/38

All: 0.188+/-1.588 χ^2/NDF: 88.6/72



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

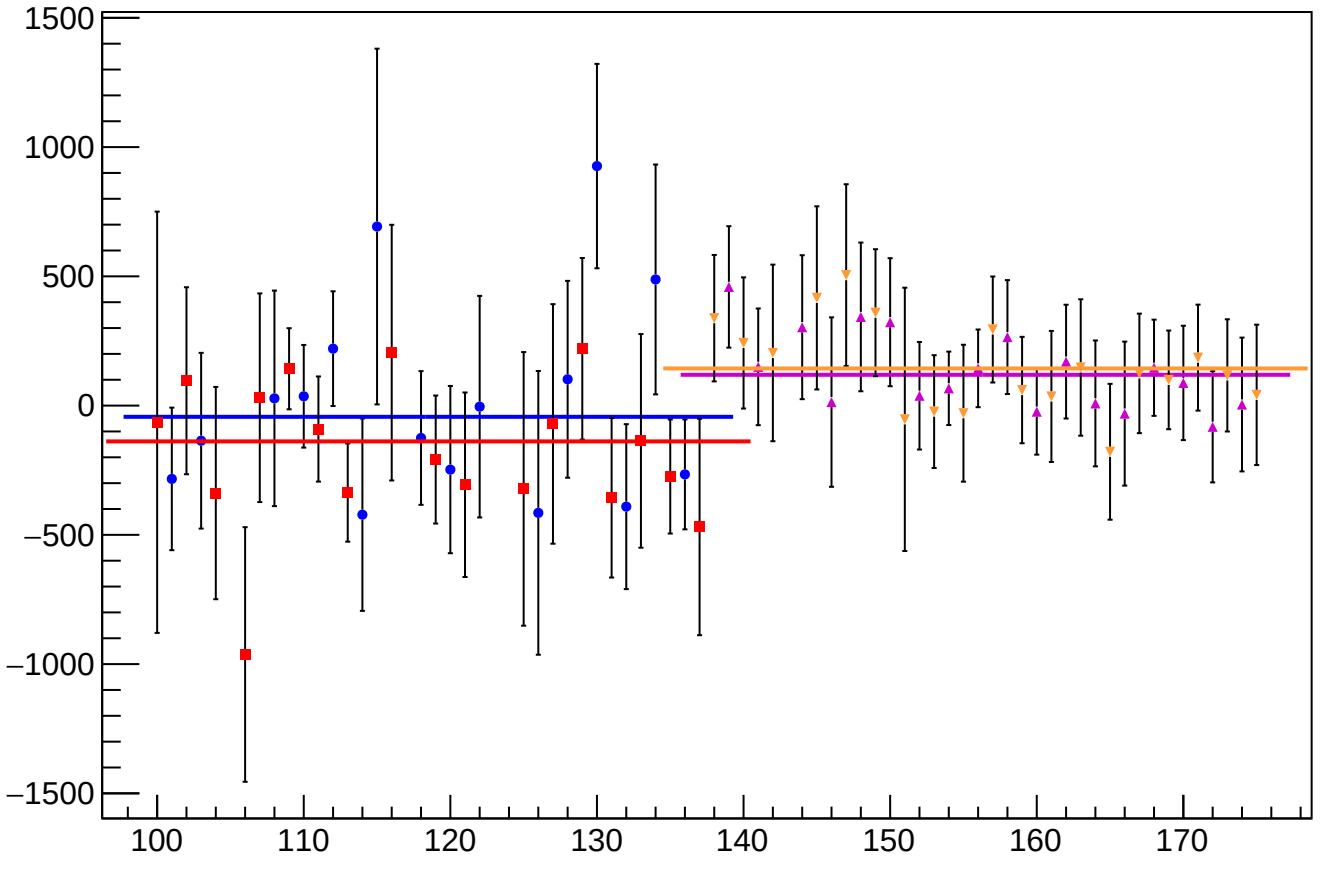
Left: 10.627+/-0.001 χ^2/NDF: 282733.4/37

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.573+/-0.002 χ^2/NDF:310061.8/33

Out: 10.603+/-0.002 χ^2/NDF:319501.5/38

All: 10.588+/-0.001 χ^2/NDF: 629735.2/72



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 143.731+/-56.878 χ^2/NDF:7.0/18

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 119.170+/-50.107 χ^2/NDF:7.1/17

Left: 129.902+/-37.598 χ^2/NDF: 14.2/36

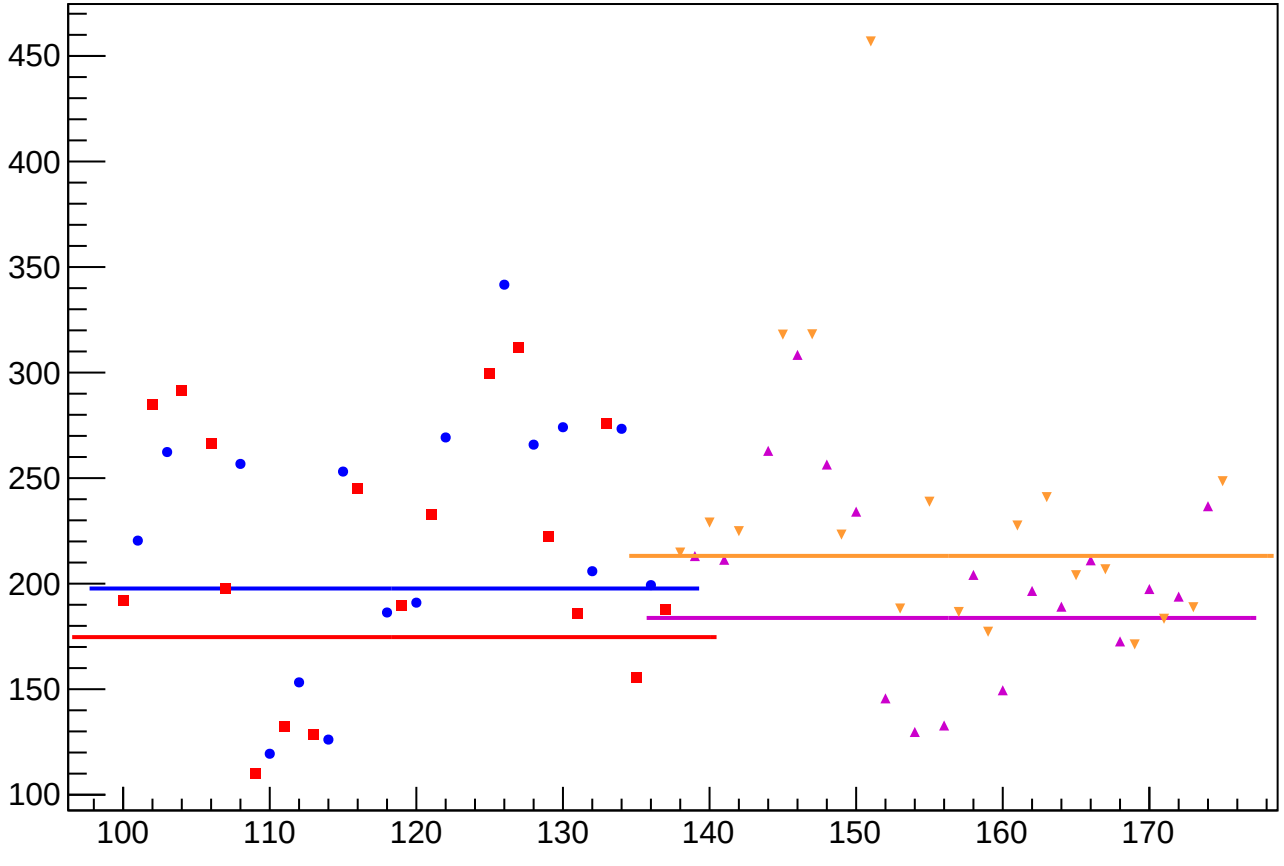
Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 71.324+/-42.092 χ^2/NDF:25.6/33

Out: 31.190+/-44.101 χ^2/NDF:28.3/36

All: 52.192+/-30.449 χ^2/NDF: 54.4/70

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.156+/-0.040 χ^2/NDF:1194912.1/18

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

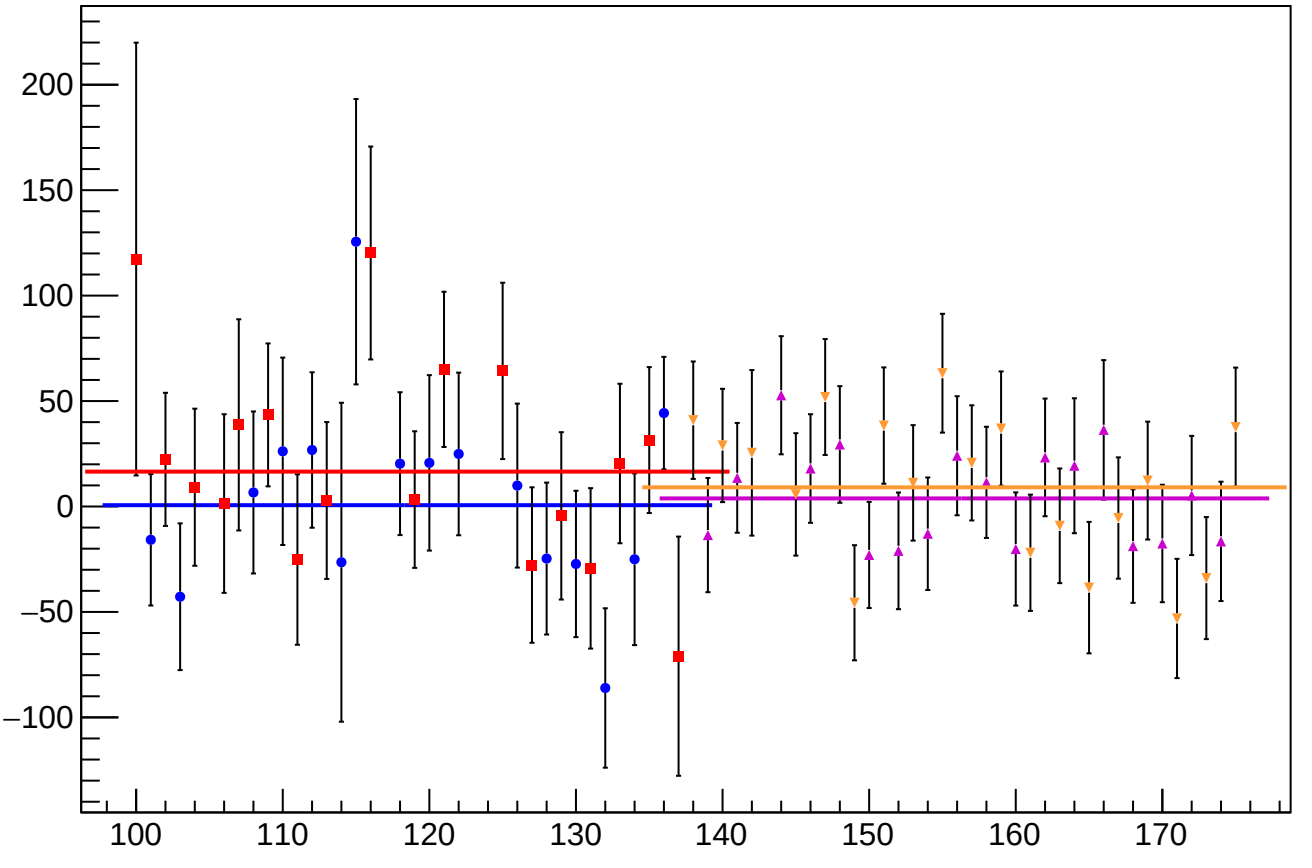
Left: 196.605+/-0.027 χ^2/NDF: 3035824.0/36

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.865+/-0.030 χ^2/NDF:2586047.3/33

Out: 197.811+/-0.031 χ^2/NDF:3094691.3/36

All: 192.606+/-0.022 χ^2/NDF: 5733971.6/70



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.096+/-6.499 χ^2/NDF:26.9/18

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 3.831+/-6.502 χ^2/NDF:12.0/17

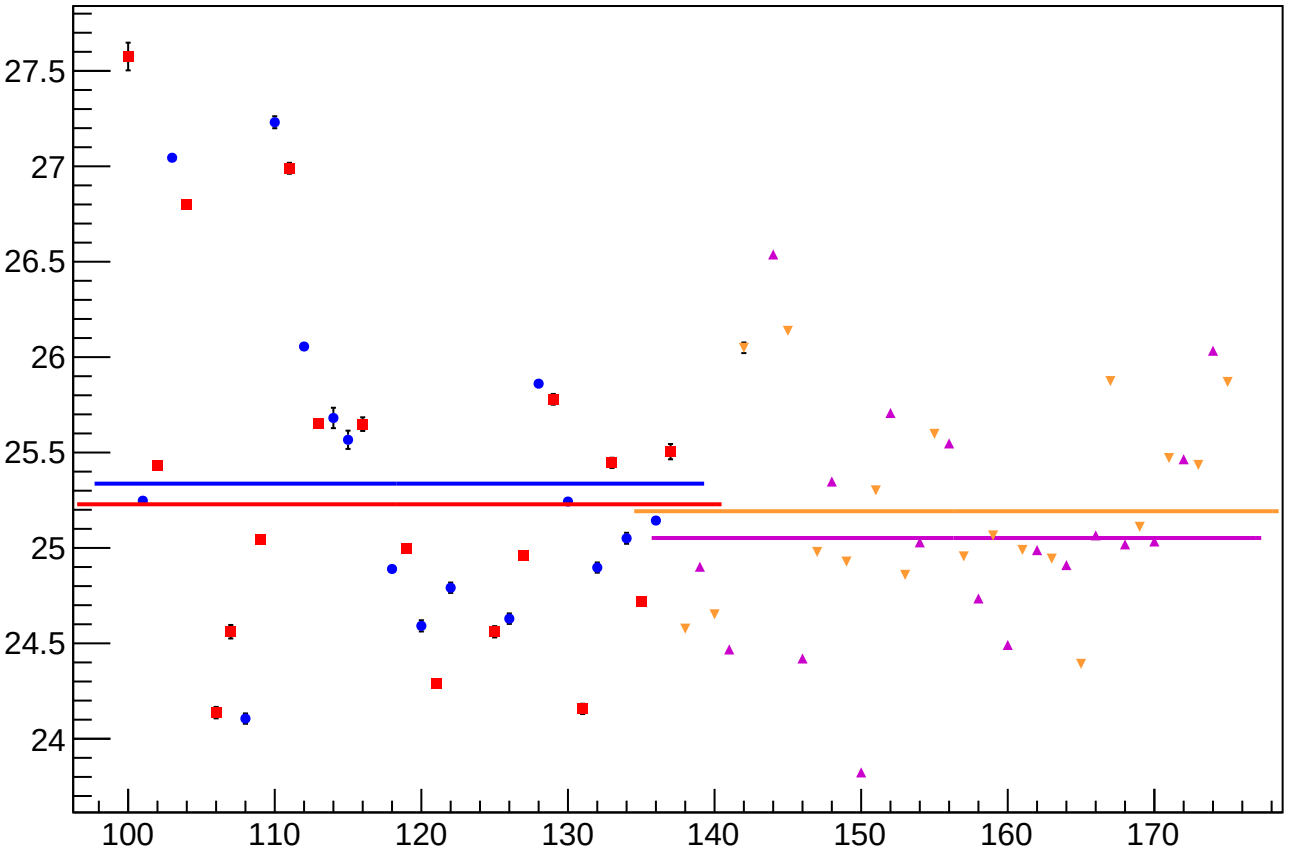
Left: 6.465+/-4.597 χ^2/NDF: 39.3/36

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 2.795+/-5.352 χ^2/NDF:28.8/33

Out: 11.534+/-5.328 χ^2/NDF:43.7/36

All: 7.183+/-3.776 χ^2/NDF: 73.9/70



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.192+/-0.005 χ^2/NDF:10328.5/18

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

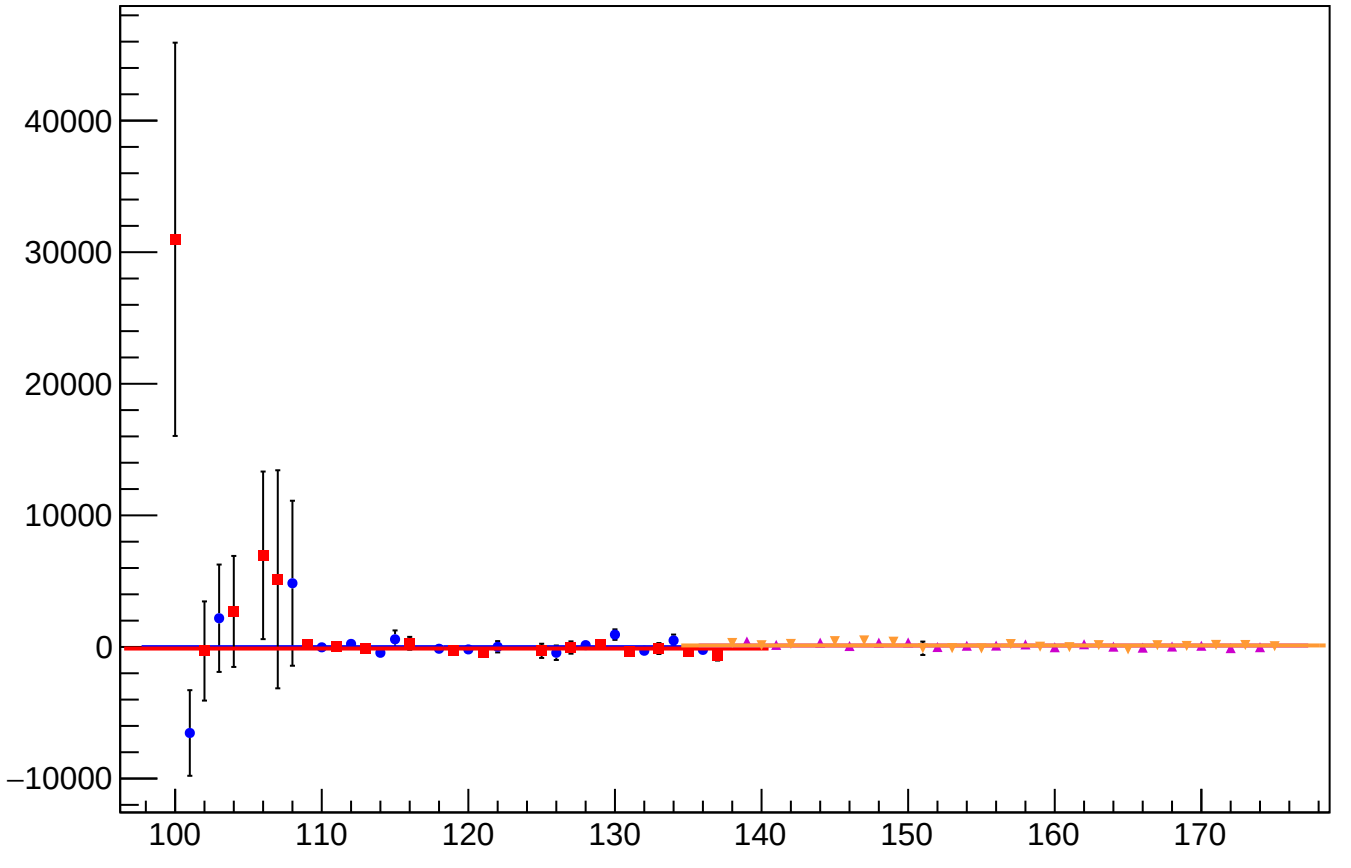
Left: 25.122+/-0.003 χ^2/NDF: 29476.9/36

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.144+/-0.004 χ^2/NDF:34236.4/33

Out: 25.204+/-0.004 χ^2/NDF:25525.1/36

All: 25.174+/-0.003 χ^2/NDF: 59889.1/70



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.446+/-57.221 χ^2/NDF:7.9/18

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 107.924+/-50.689 χ^2/NDF:6.7/17

Left: 110.791+/-37.943 χ^2/NDF: 14.6/36

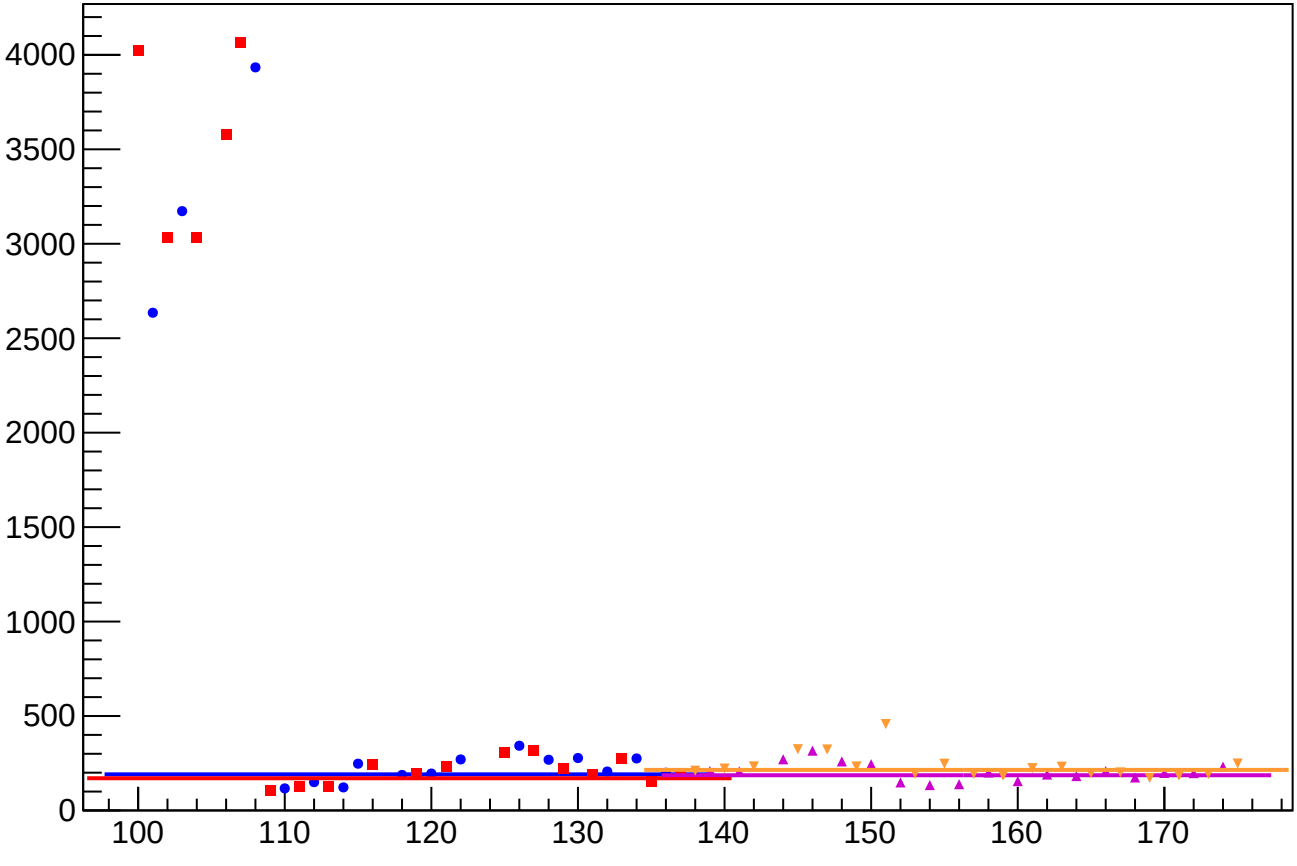
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 75.856+/-43.462 χ^2/NDF:26.6/33

Out: 32.761+/-46.188 χ^2/NDF:28.1/36

All: 55.618+/-31.652 χ^2/NDF: 55.2/70

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.645+/-0.040 χ^2/NDF:1167604.7/18

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

Left: 198.832+/-0.027 χ^2/NDF: 2845003.0/36

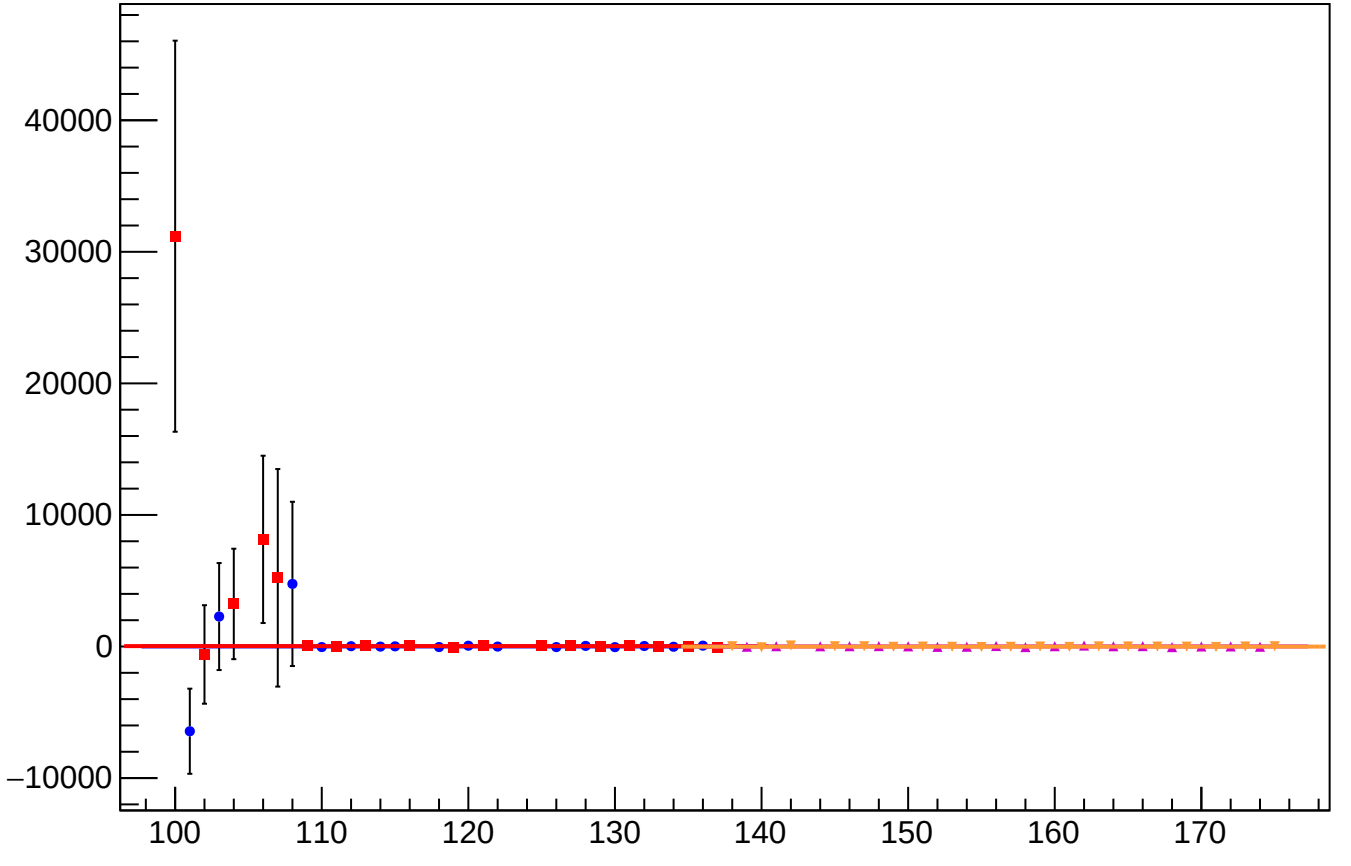
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.654+/-0.031 χ^2/NDF:5243220.7/33

Out: 199.261+/-0.033 χ^2/NDF:5837309.2/36

All: 193.105+/-0.022 χ^2/NDF: 11147513.6/70

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.013+/-7.437 χ^2/NDF:12.4/18

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 6.679+/-7.487 χ^2/NDF:16.7/17

Left: -0.213+/-5.276 χ^2/NDF: 30.9/36

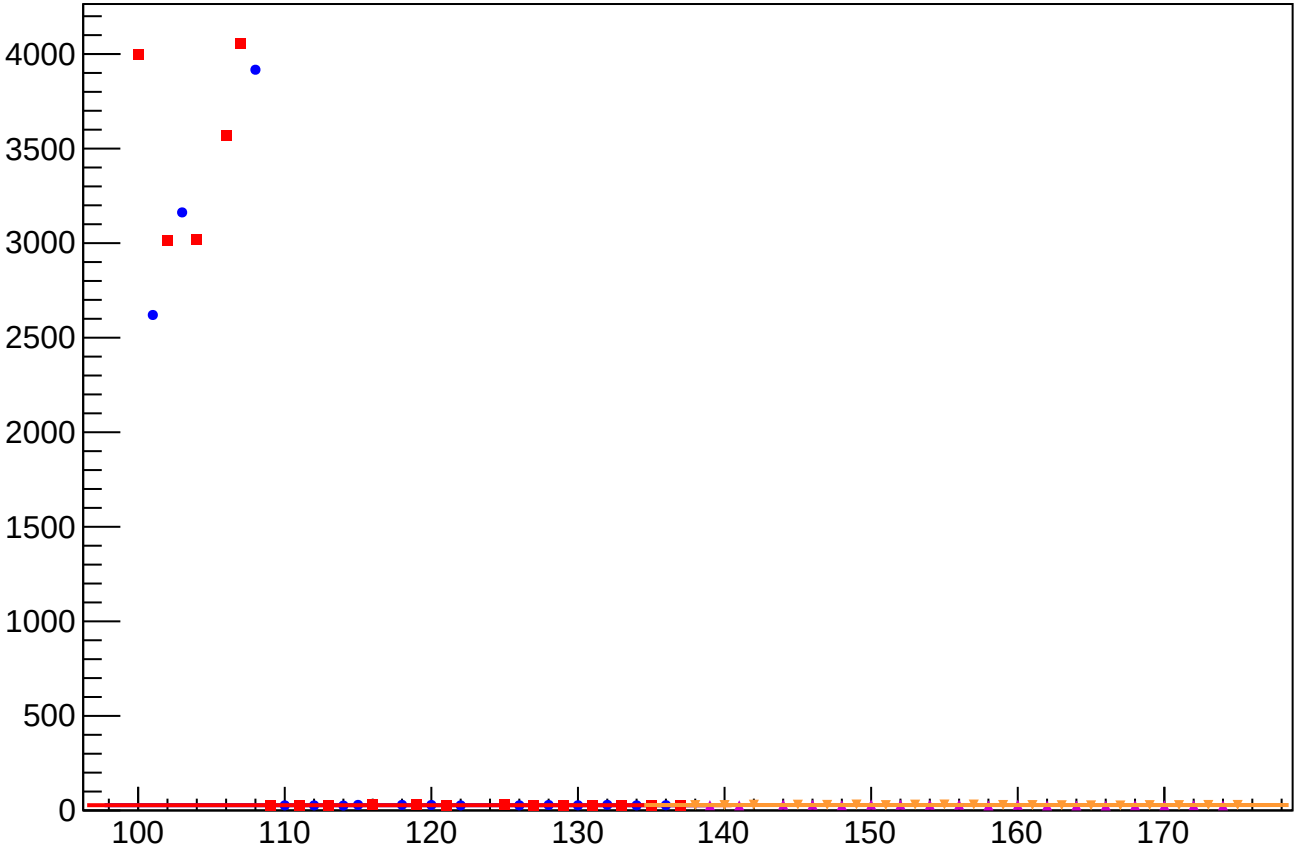
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.625+/-6.316 χ^2/NDF:35.0/33

Out: 3.357+/-6.333 χ^2/NDF:39.4/36

All: 4.995+/-4.472 χ^2/NDF: 74.6/70

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.779+/-0.005 χ^2/NDF:72710.8/18

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

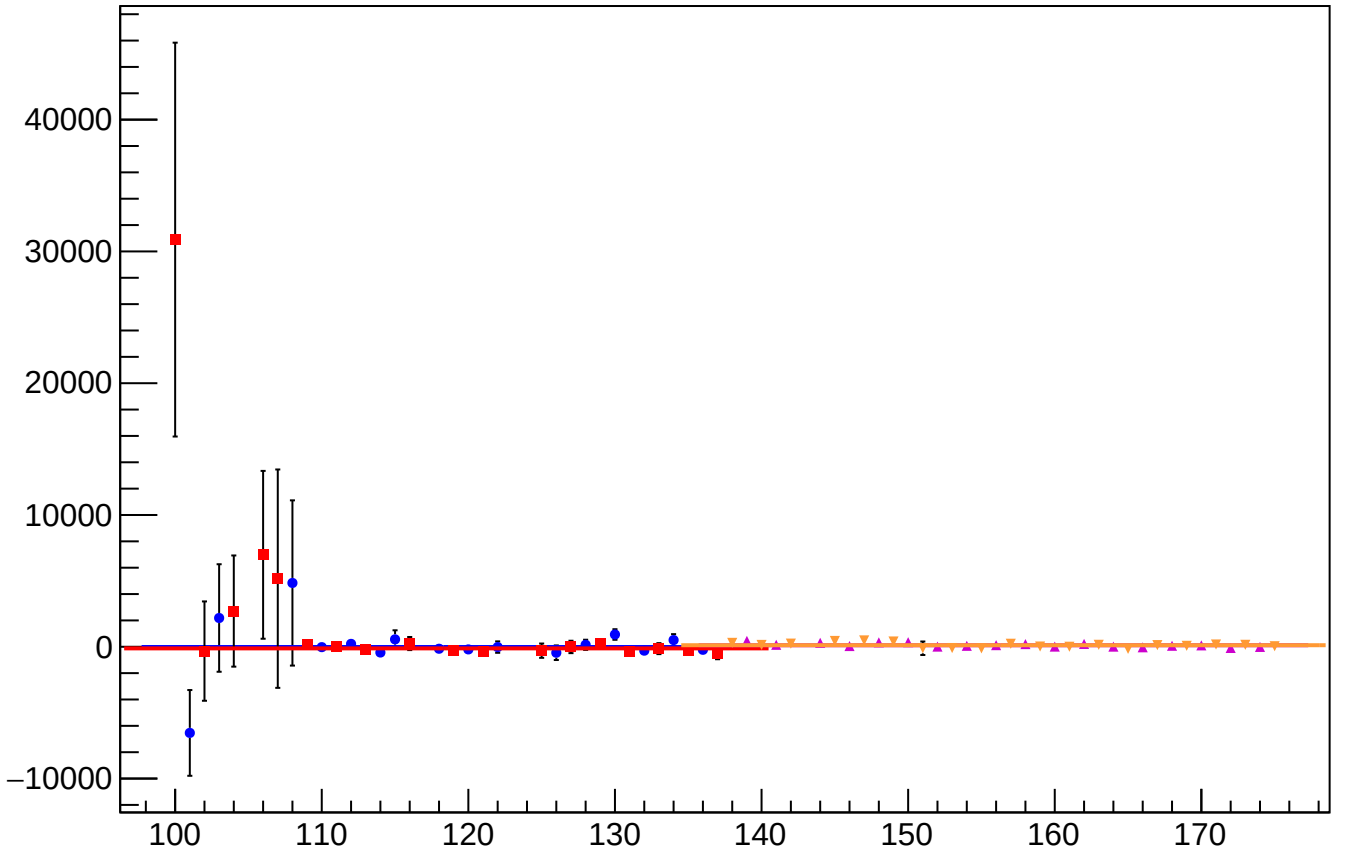
Left: 28.776+/-0.004 χ^2/NDF: 189722.0/36

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.500+/-0.004 χ^2/NDF:3392170.7/33

Out: 28.504+/-0.004 χ^2/NDF:3641050.2/36

All: 28.502+/-0.003 χ^2/NDF: 7033221.2/70



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.339+/-57.694 χ^2/NDF:7.7/18

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 116.861+/-51.171 χ^2/NDF:6.6/17

Left: 117.512+/-38.283 χ^2/NDF: 14.2/36

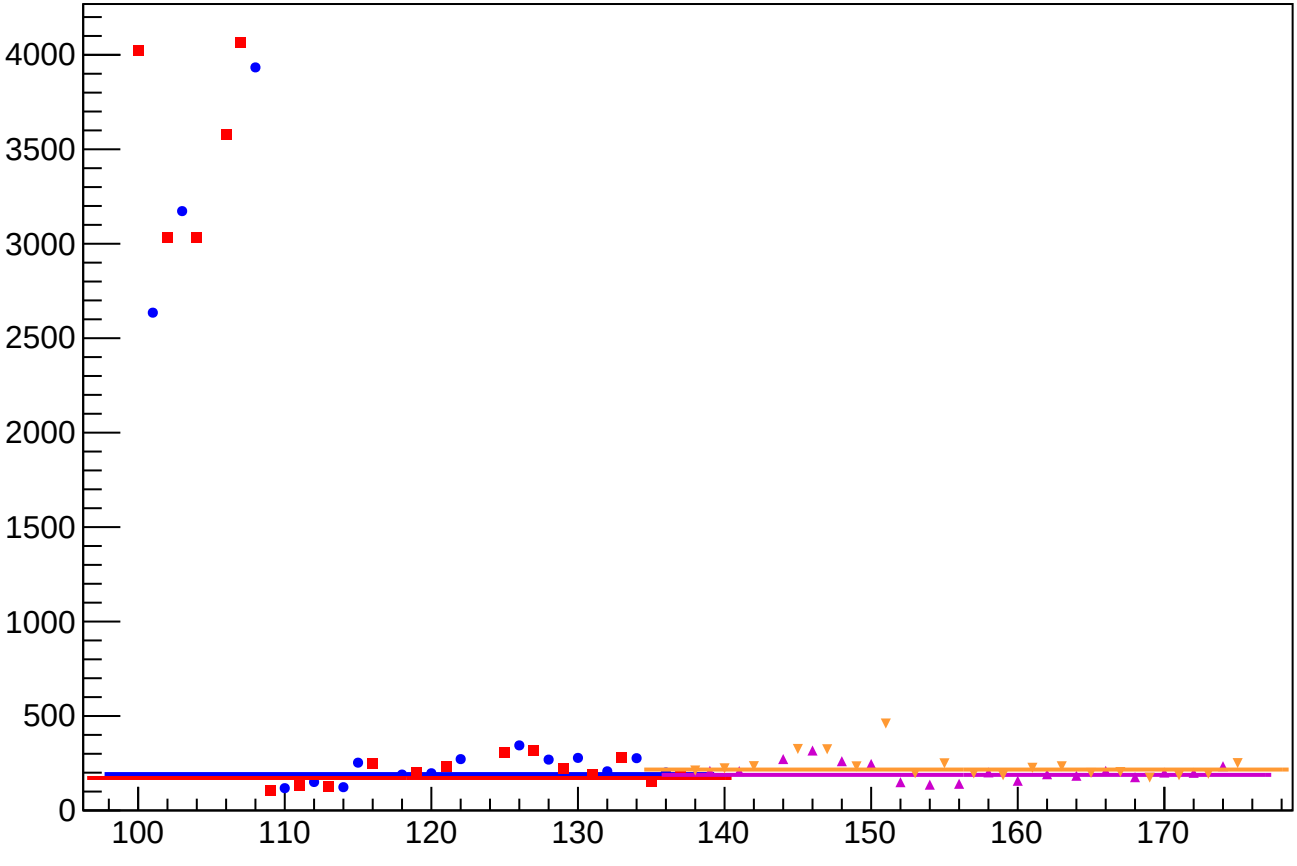
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 80.621+/-43.848 χ^2/NDF:26.6/33

Out: 34.685+/-46.560 χ^2/NDF:26.9/36

All: 59.030+/-31.921 χ^2/NDF: 54.1/70

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.517+/-0.041 χ^2/NDF:1149876.0/18

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

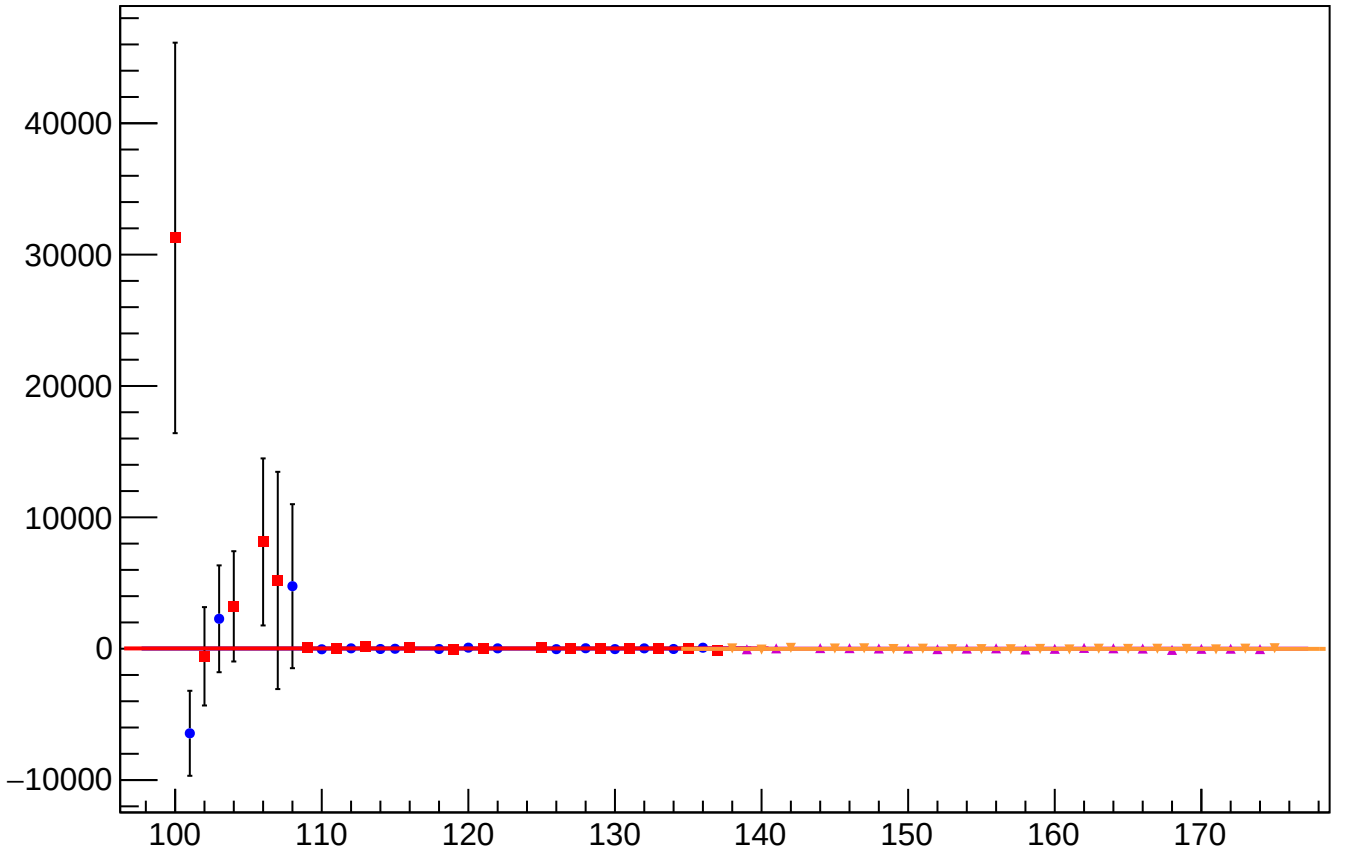
Left: 200.752+/-0.027 χ^2/NDF: 2780809.7/36

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.470+/-0.031 χ^2/NDF:5190534.2/33

Out: 200.957+/-0.033 χ^2/NDF:5814810.5/36

All: 194.869+/-0.023 χ^2/NDF: 11069864.9/70



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.872+/-8.040 χ^2/NDF:14.9/18

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 1.206+/-8.119 χ^2/NDF:23.3/17

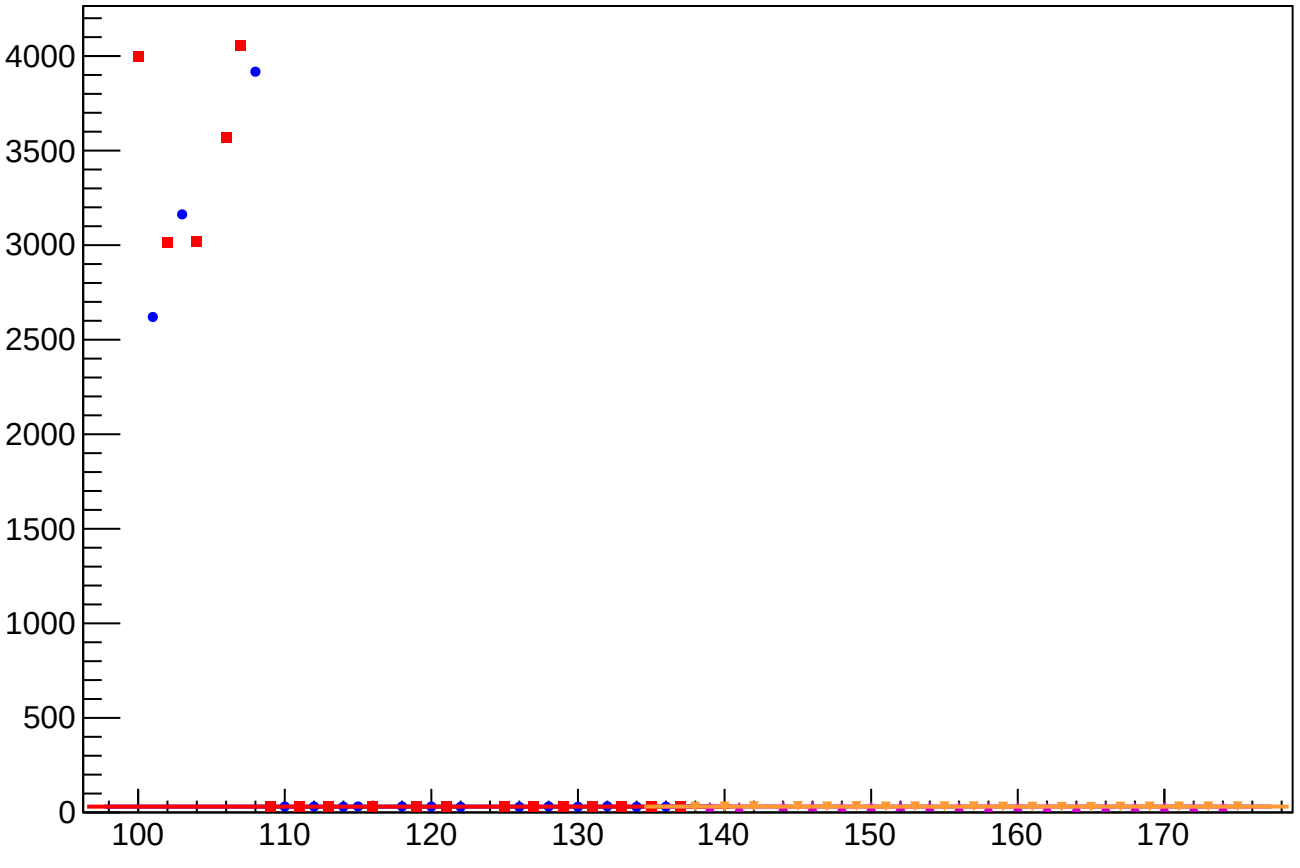
Left: -5.901+/-5.713 χ^2/NDF: 39.7/36

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 4.692+/-6.895 χ^2/NDF:39.4/33

Out: -3.648+/-6.892 χ^2/NDF:48.3/36

All: 0.520+/-4.875 χ^2/NDF: 88.4/70



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.138+/-0.006 χ^2/NDF:43224.1/18

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

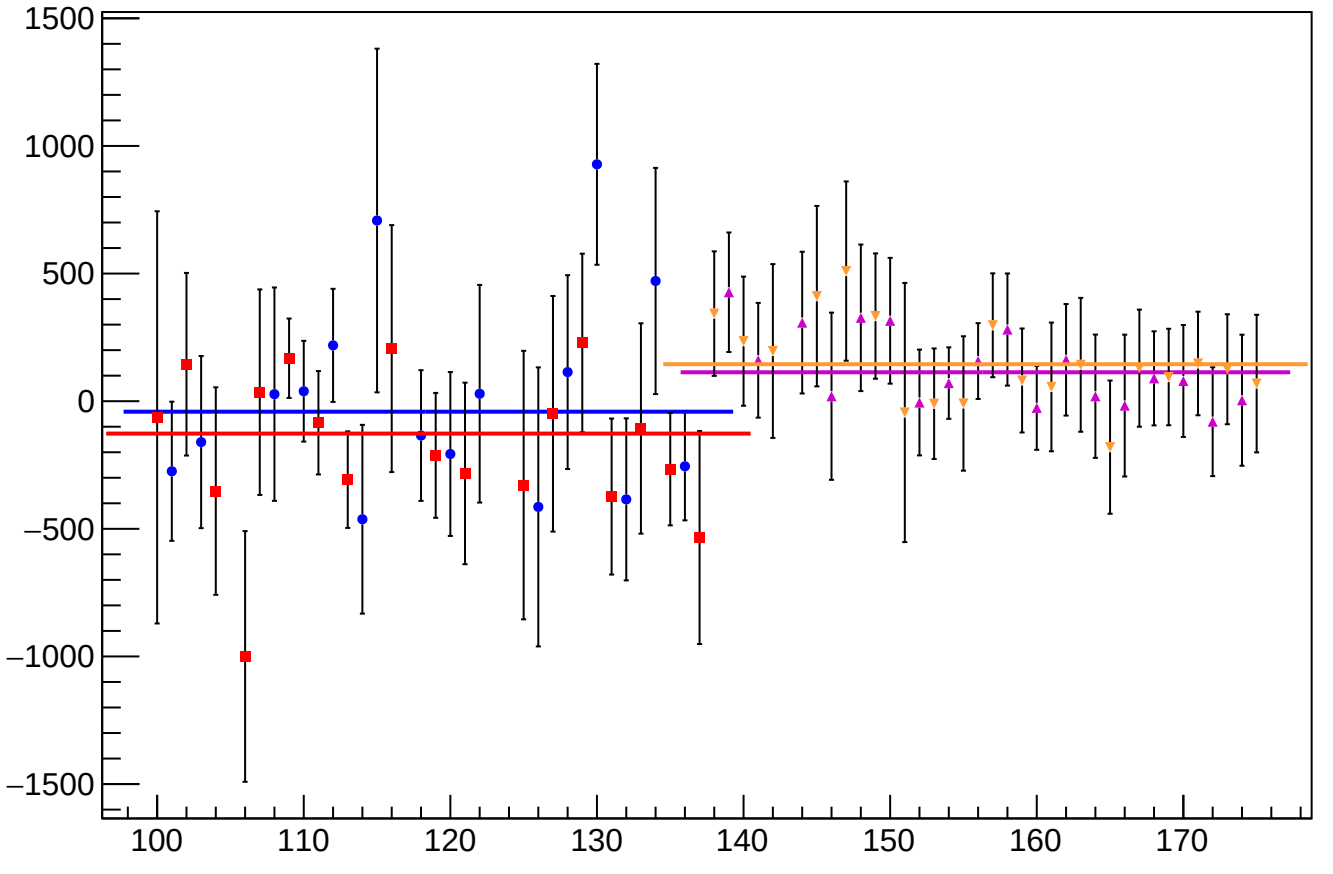
Left: 31.180+/-0.004 χ^2/NDF: 121738.4/36

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.142+/-0.005 χ^2/NDF:3331746.5/33

Out: 31.049+/-0.005 χ^2/NDF:3580096.6/36

All: 31.095+/-0.003 χ^2/NDF: 6912022.8/70



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.899+/-56.506 χ^2/NDF:6.5/18

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 113.318+/-49.708 χ^2/NDF:6.9/17

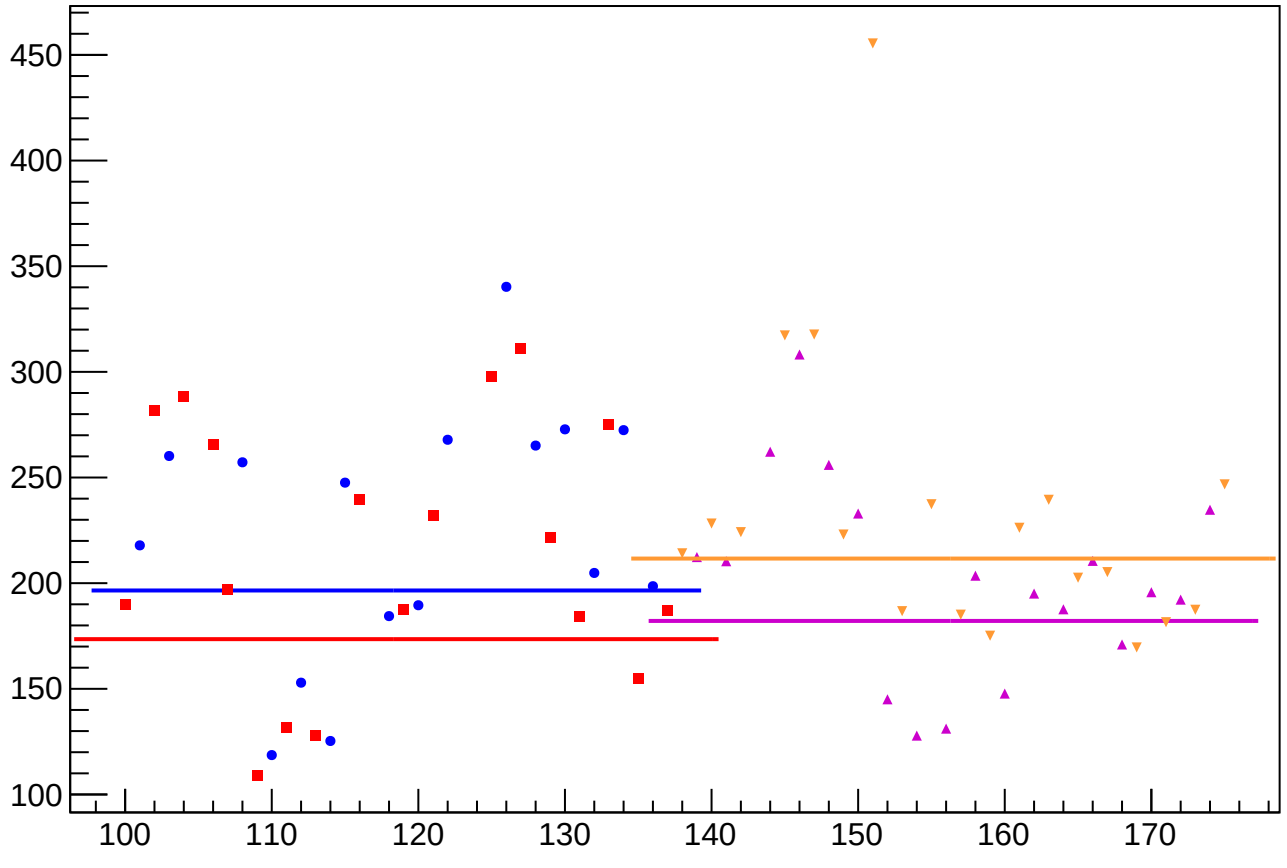
Left: 127.095+/-37.322 χ^2/NDF: 13.6/36

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 68.006+/-41.784 χ^2/NDF:25.4/33

Out: 36.513+/-43.814 χ^2/NDF:28.5/36

All: 53.006+/-30.238 χ^2/NDF: 54.2/70



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.645+/-0.040 χ^2/NDF:1217141.3/18

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

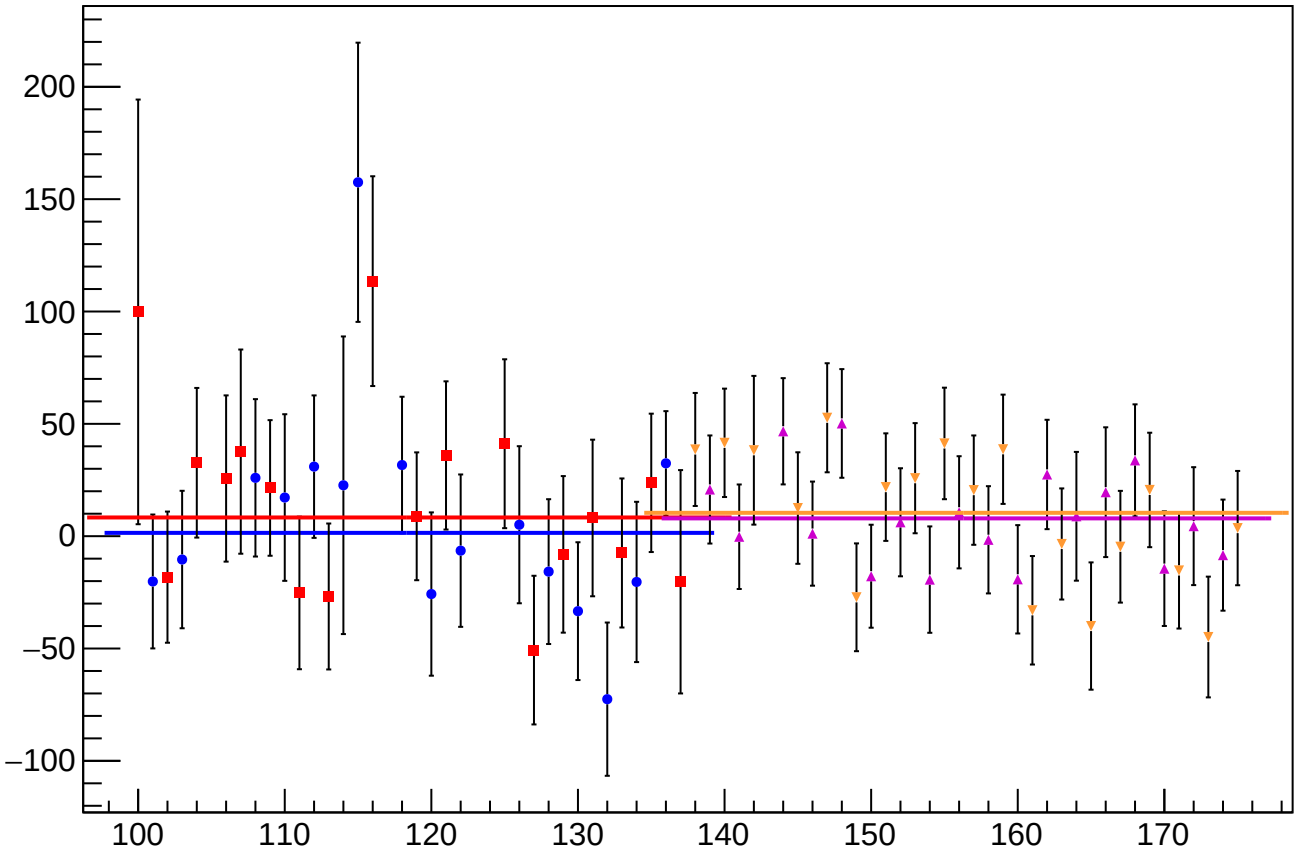
Left: 195.007+/-0.026 χ^2/NDF: 3108447.5/36

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 186.360+/-0.030 χ^2/NDF:2633816.8/33

Out: 196.437+/-0.031 χ^2/NDF:3113133.8/36

All: 191.160+/-0.021 χ^2/NDF: 5802361.1/70



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.399+/-5.787 χ^2/NDF:25.4/18

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 7.917+/-5.795 χ^2/NDF:13.4/17

Left: 9.159+/-4.095 χ^2/NDF: 38.8/36

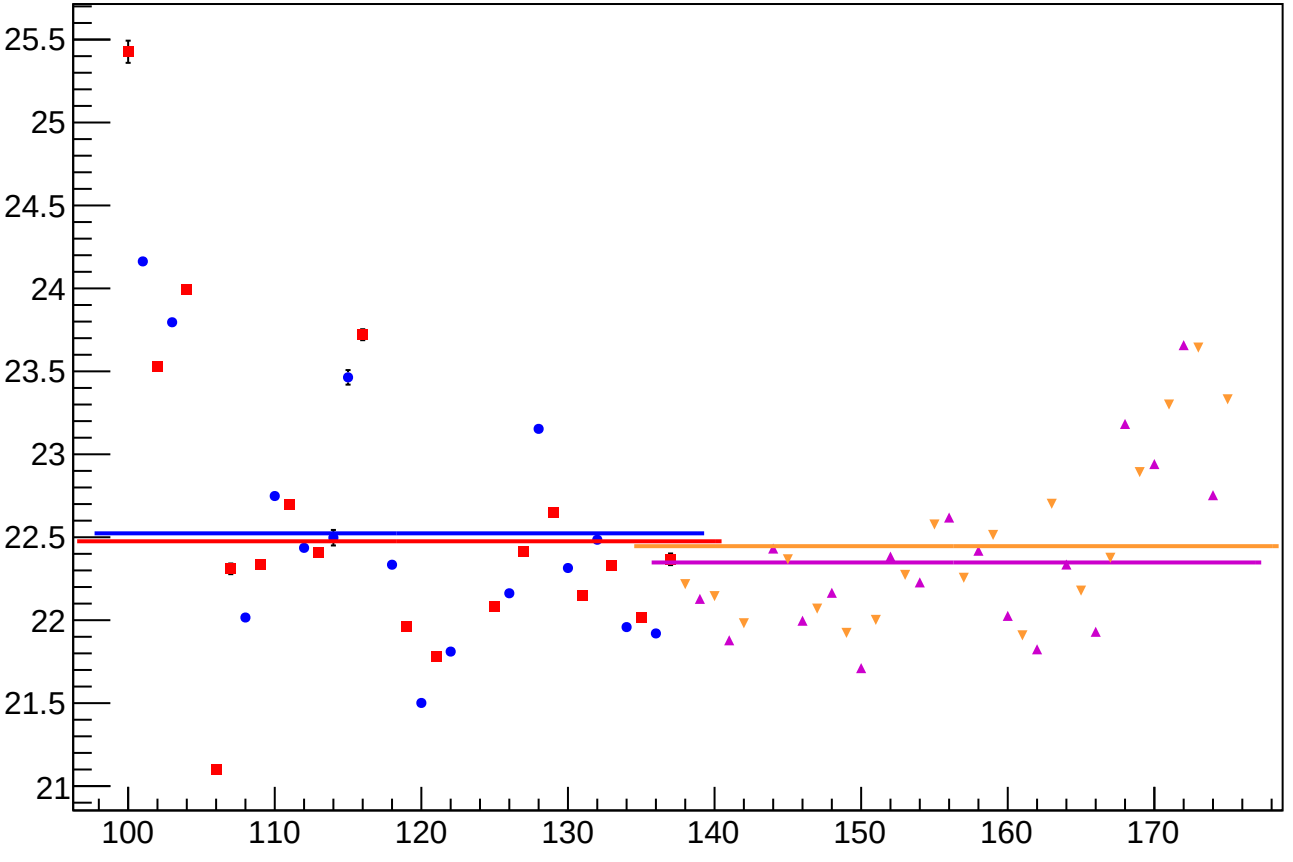
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.829+/-4.765 χ^2/NDF:32.4/33

Out: 9.720+/-4.744 χ^2/NDF:41.4/36

All: 7.783+/-3.362 χ^2/NDF: 74.2/70

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.446+/-0.004 χ^2/NDF:13890.9/18

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

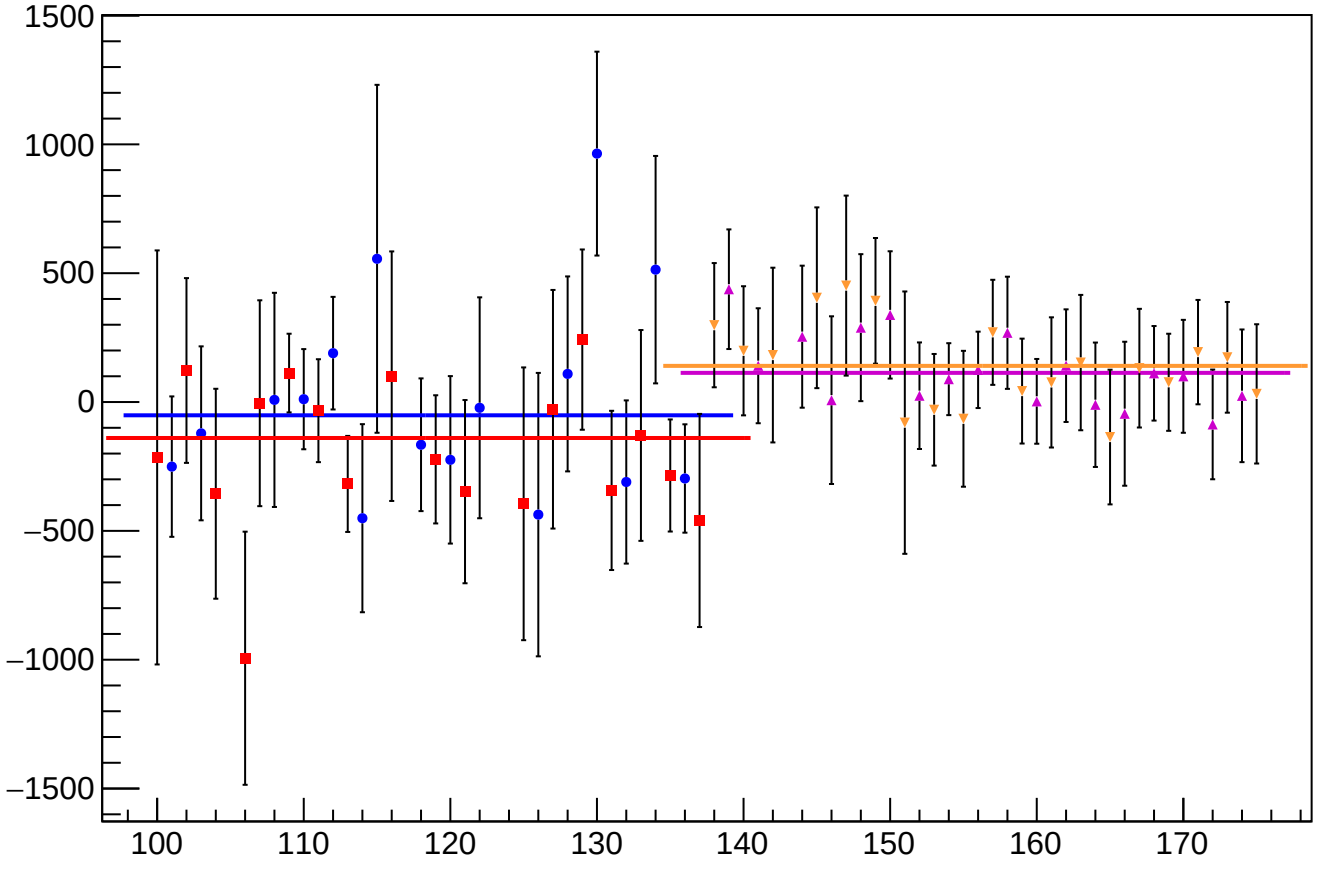
Left: 22.397+/-0.003 χ^2/NDF: 28157.6/36

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.405+/-0.003 χ^2/NDF:30521.7/33

Out: 22.456+/-0.003 χ^2/NDF:29444.5/36

All: 22.430+/-0.002 χ^2/NDF: 60081.3/70



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 140.325+/-56.404 χ^2/NDF:6.5/18

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 113.219+/-49.579 χ^2/NDF:6.3/17

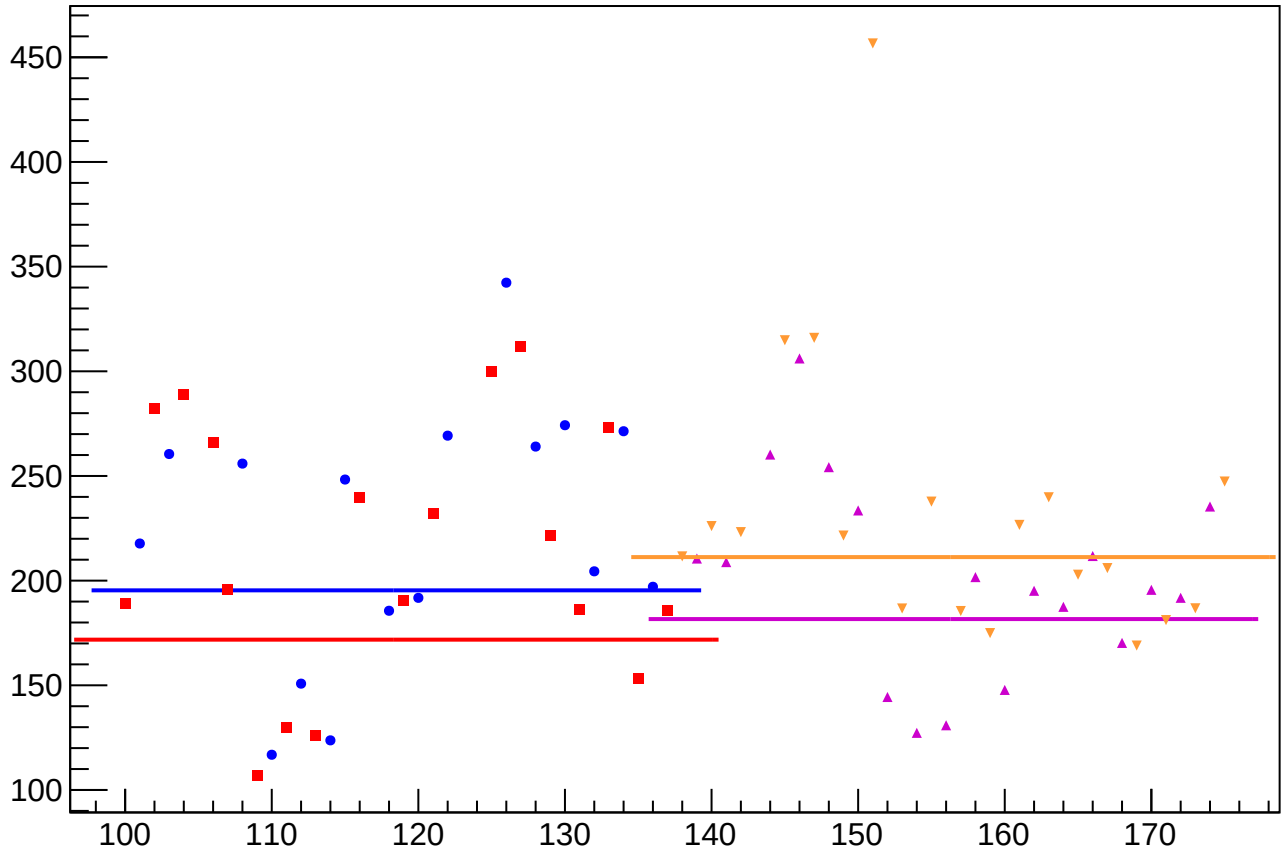
Left: 125.033+/-37.238 χ^2/NDF: 13.0/36

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 64.766+/-41.653 χ^2/NDF:24.9/33

Out: 28.001+/-43.642 χ^2/NDF:28.0/36

All: 47.240+/-30.132 χ^2/NDF: 53.3/70



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.246+/-0.040 χ^2/NDF:1213908.7/18

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

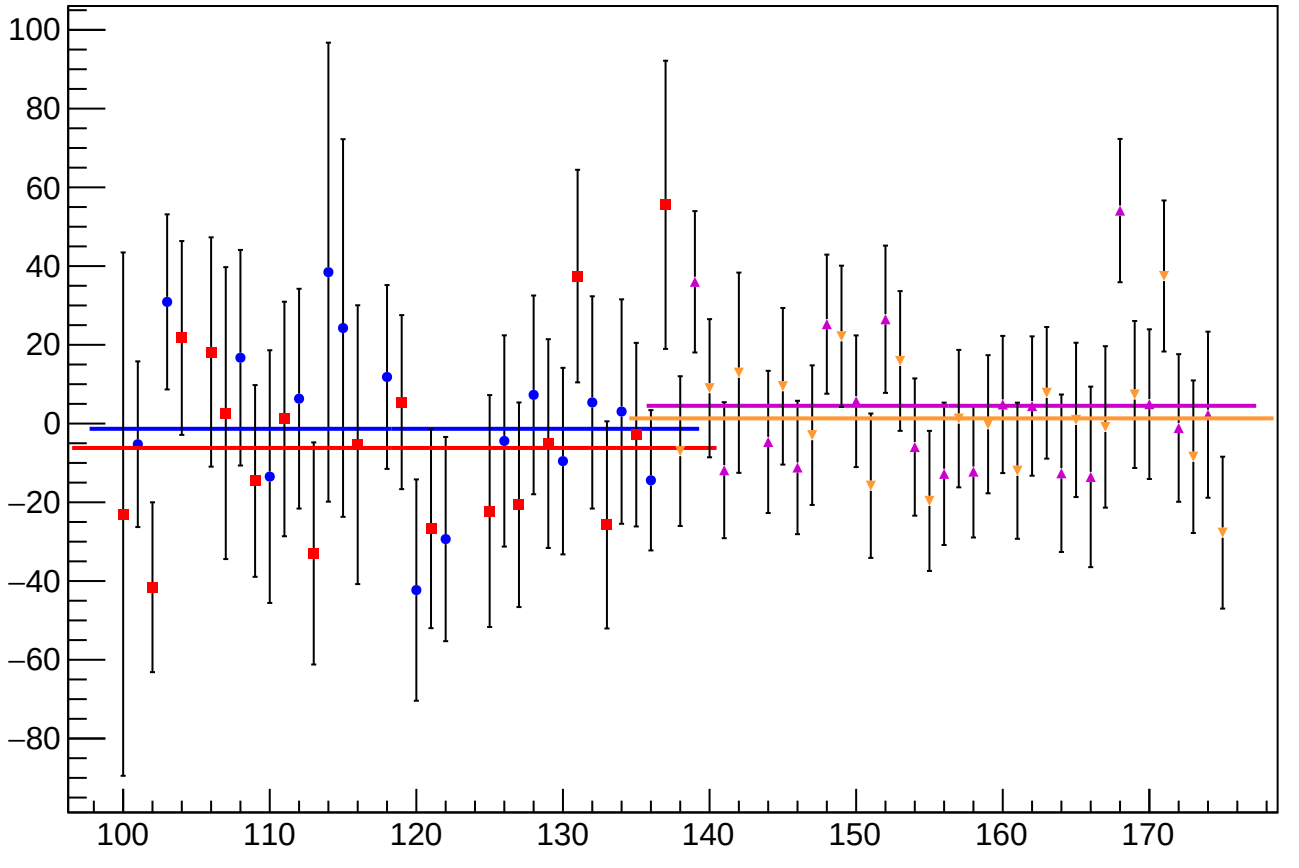
Left: 194.544+/-0.026 χ^2/NDF: 3102181.5/36

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.676+/-0.029 χ^2/NDF:2663900.5/33

Out: 195.417+/-0.031 χ^2/NDF:3207058.0/36

All: 190.319+/-0.021 χ^2/NDF: 5923101.5/70



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.320+/-4.262 χ^2/NDF:12.0/18

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 4.513+/-4.290 χ^2/NDF:19.0/17

Left: 2.906+/-3.024 χ^2/NDF: 31.3/36

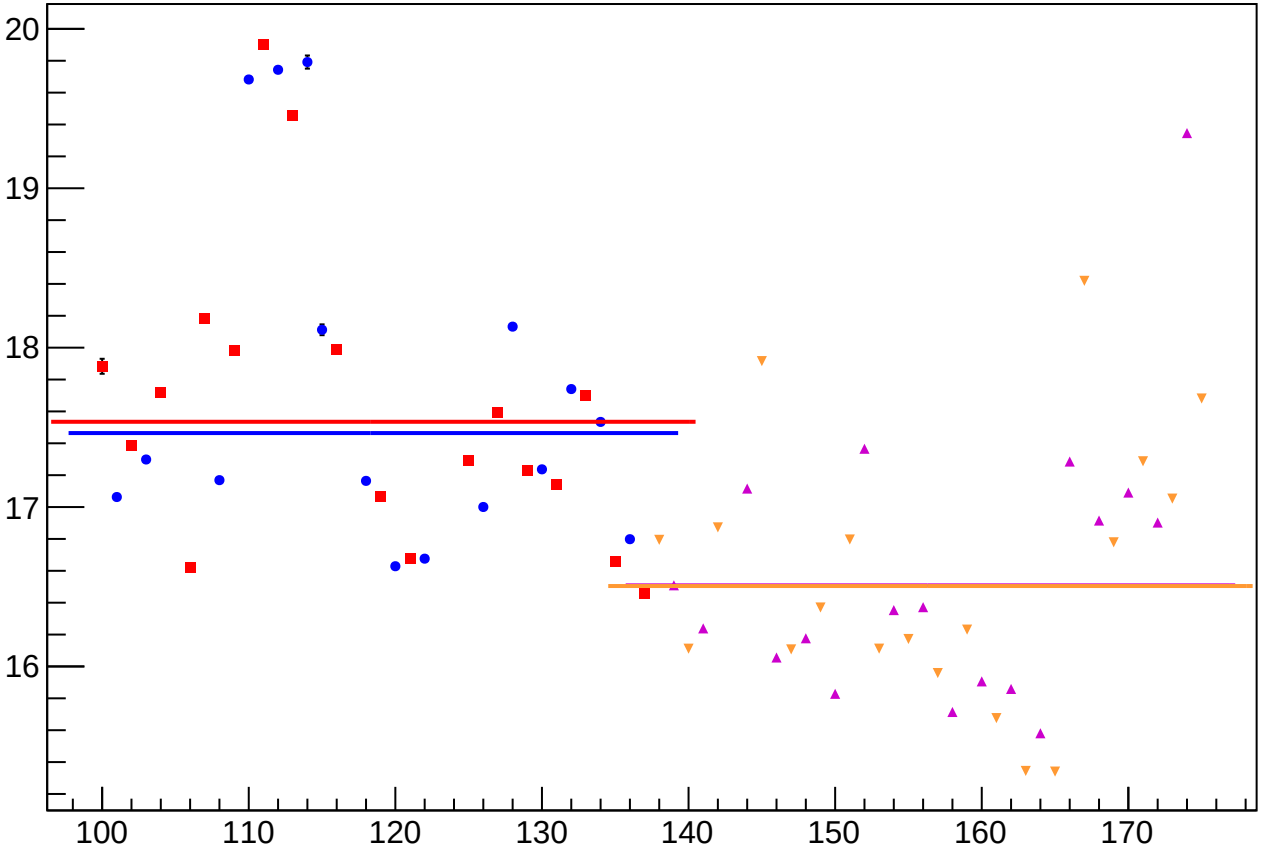
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.739+/-3.580 χ^2/NDF:27.6/33

Out: -0.953+/-3.560 χ^2/NDF:26.4/36

All: 0.882+/-2.524 χ^2/NDF: 54.6/70

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.505+/-0.003 χ^2/NDF:69209.5/18

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

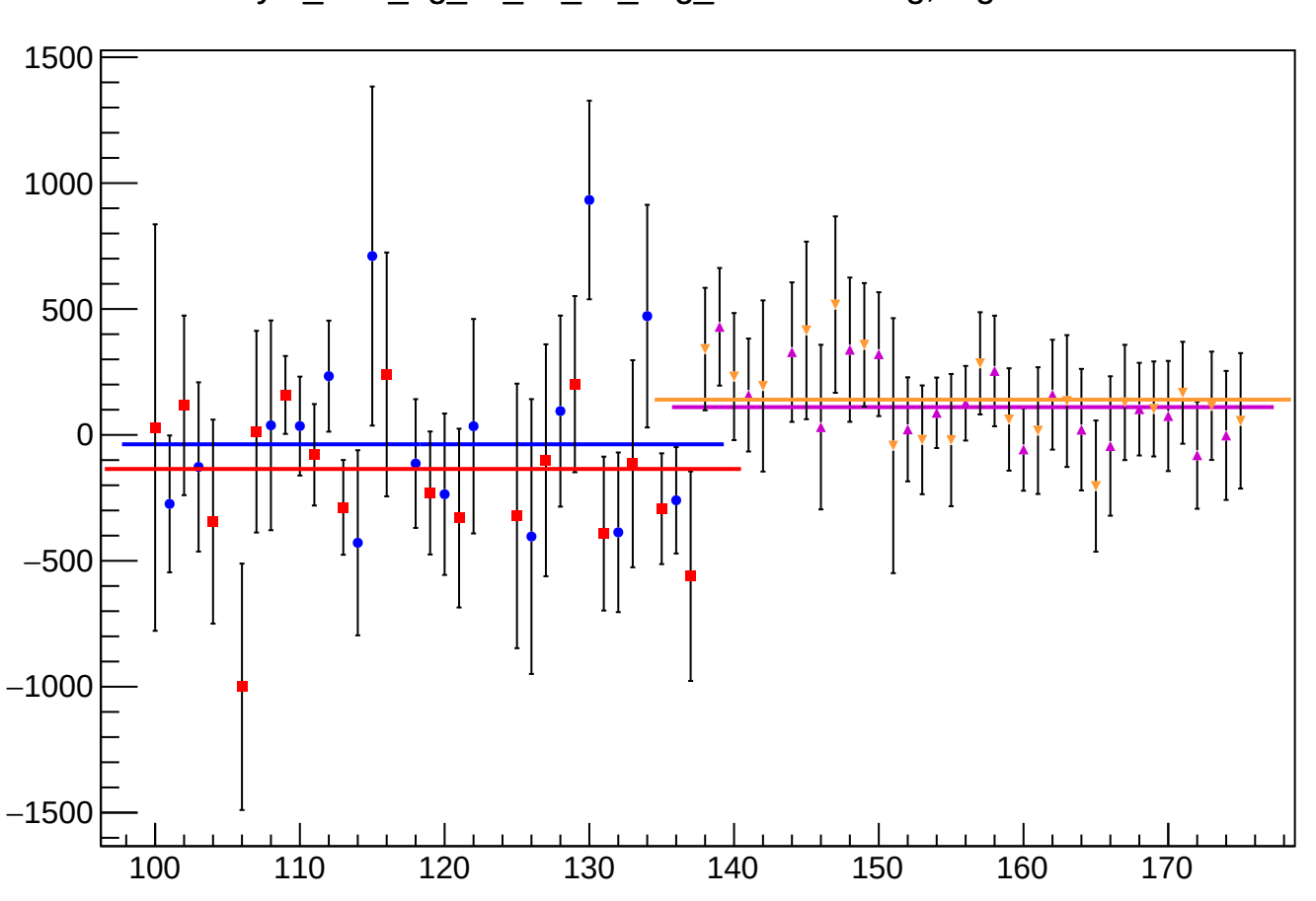
Left: 16.507+/-0.002 χ^2/NDF: 138008.6/36

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.799+/-0.003 χ^2/NDF:135548.7/33

Out: 16.816+/-0.003 χ^2/NDF:139045.1/36

All: 16.808+/-0.002 χ^2/NDF: 274617.4/70



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 140.067+/-56.384 χ^2/NDF:7.2/18

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 110.289+/-49.611 χ^2/NDF:7.2/17

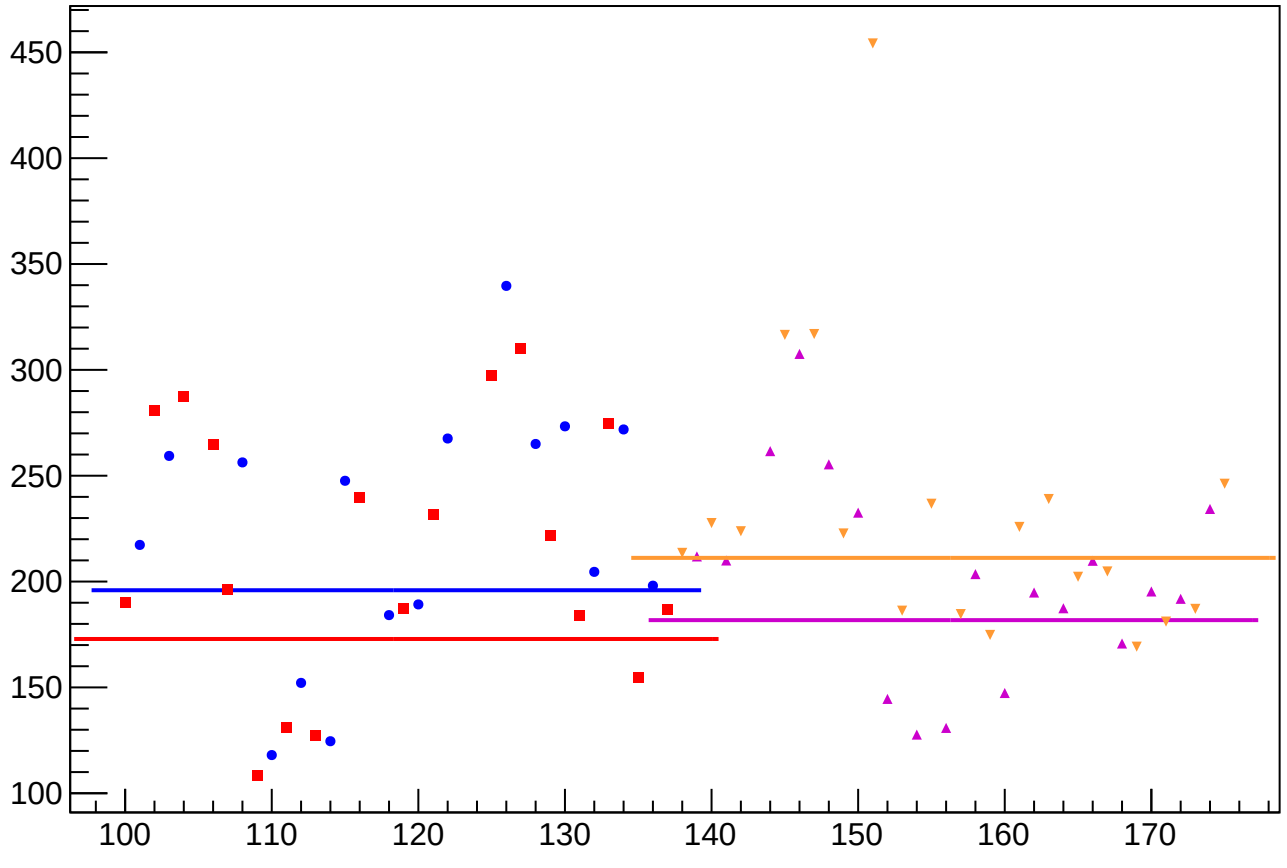
Left: 123.283+/-37.246 χ^2/NDF: 14.6/36

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 66.943+/-41.691 χ^2/NDF:25.4/33

Out: 30.123+/-43.700 χ^2/NDF:29.6/36

All: 49.399+/-30.165 χ^2/NDF: 55.4/70



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 211.190+/-0.040 χ^2/NDF:1216563.2/18

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

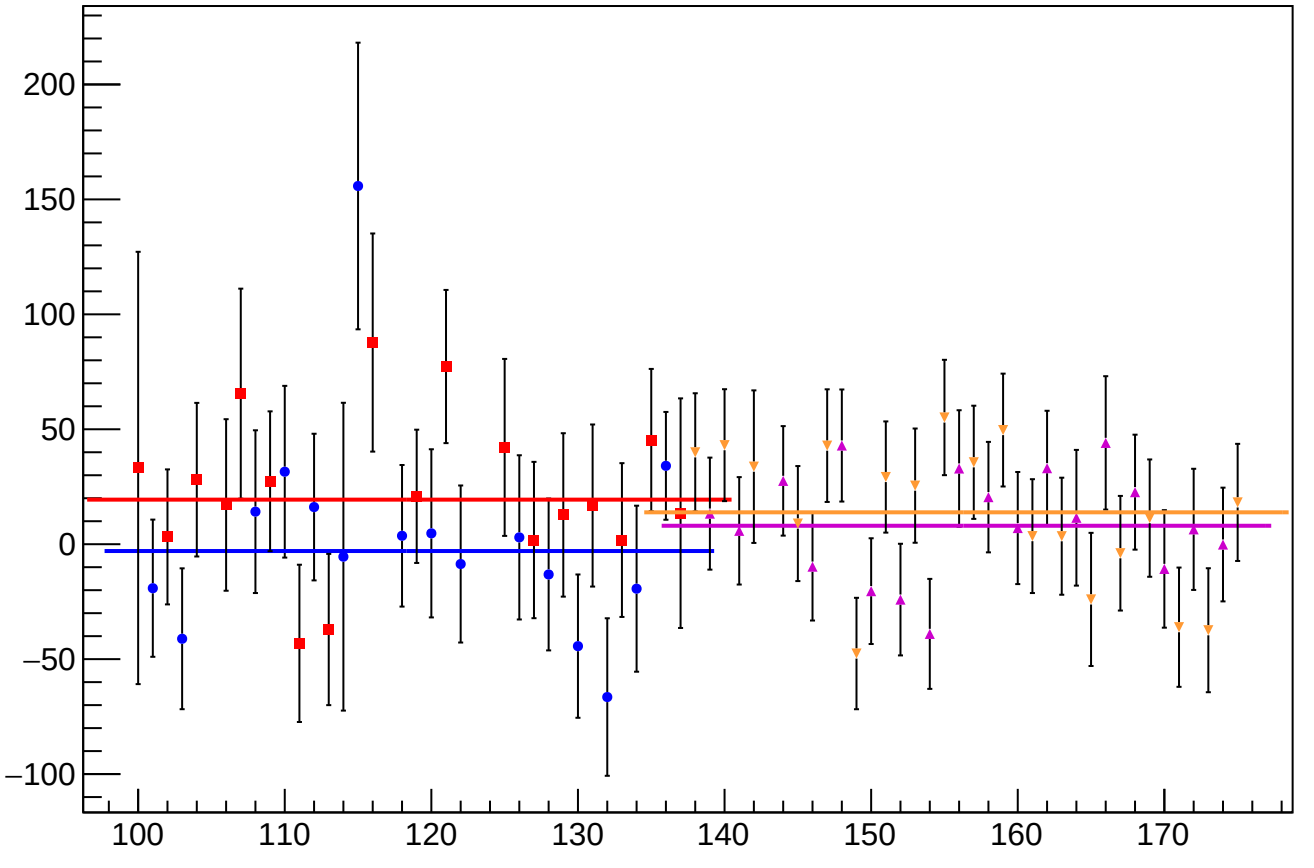
Left: 194.613+/-0.026 χ^2/NDF: 3106984.7/36

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 185.928+/-0.029 χ^2/NDF:2642326.8/33

Out: 195.890+/-0.031 χ^2/NDF:3128624.7/36

All: 190.675+/-0.021 χ^2/NDF: 5825364.6/70



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 13.870+/-5.851 χ^2/NDF:26.9/18

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.024+/-5.849 χ^2/NDF:15.3/17

Left: 10.947+/-4.137 χ^2/NDF: 42.6/36

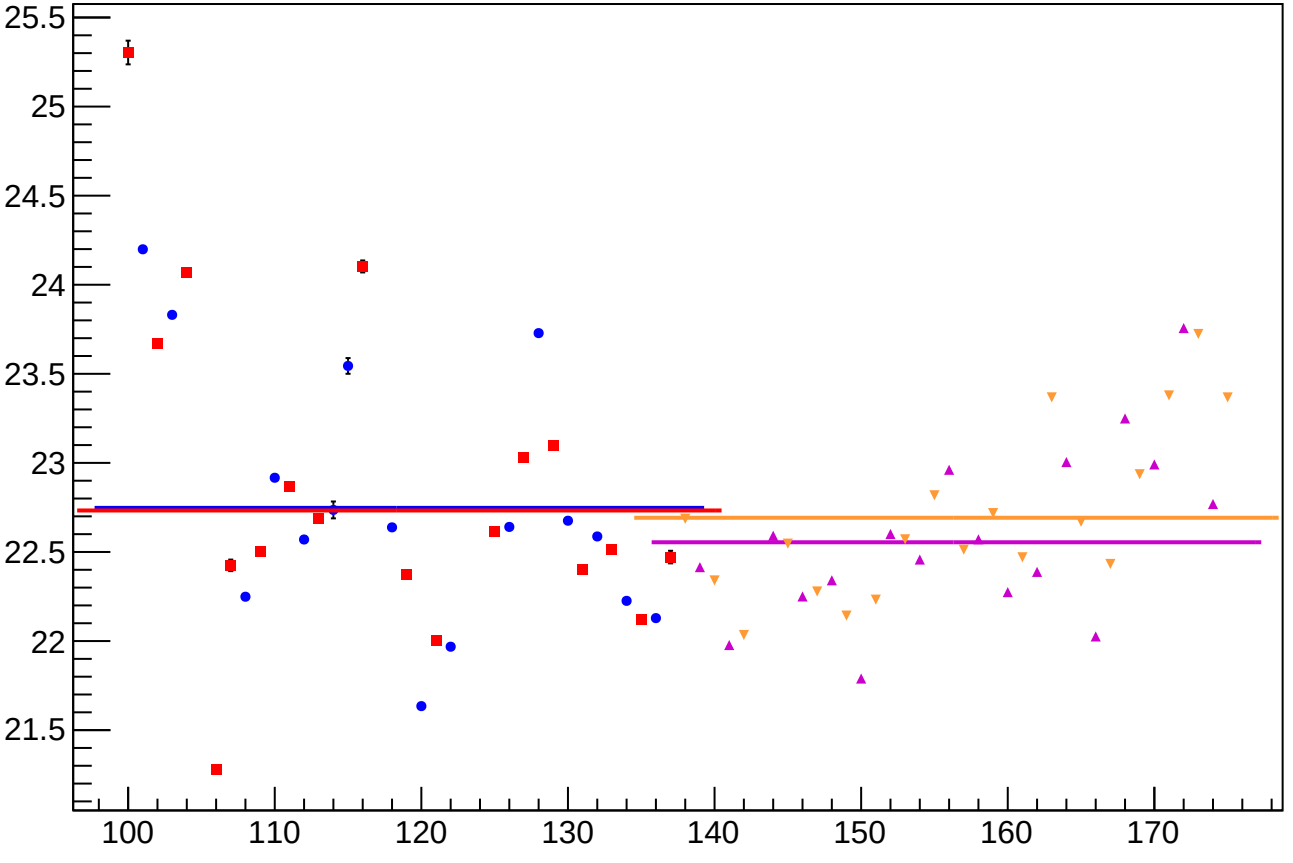
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.466+/-4.810 χ^2/NDF:34.4/33

Out: 15.678+/-4.797 χ^2/NDF:41.7/36

All: 10.087+/-3.397 χ^2/NDF: 78.8/70

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.692+/-0.004 χ^2/NDF:11501.4/18

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

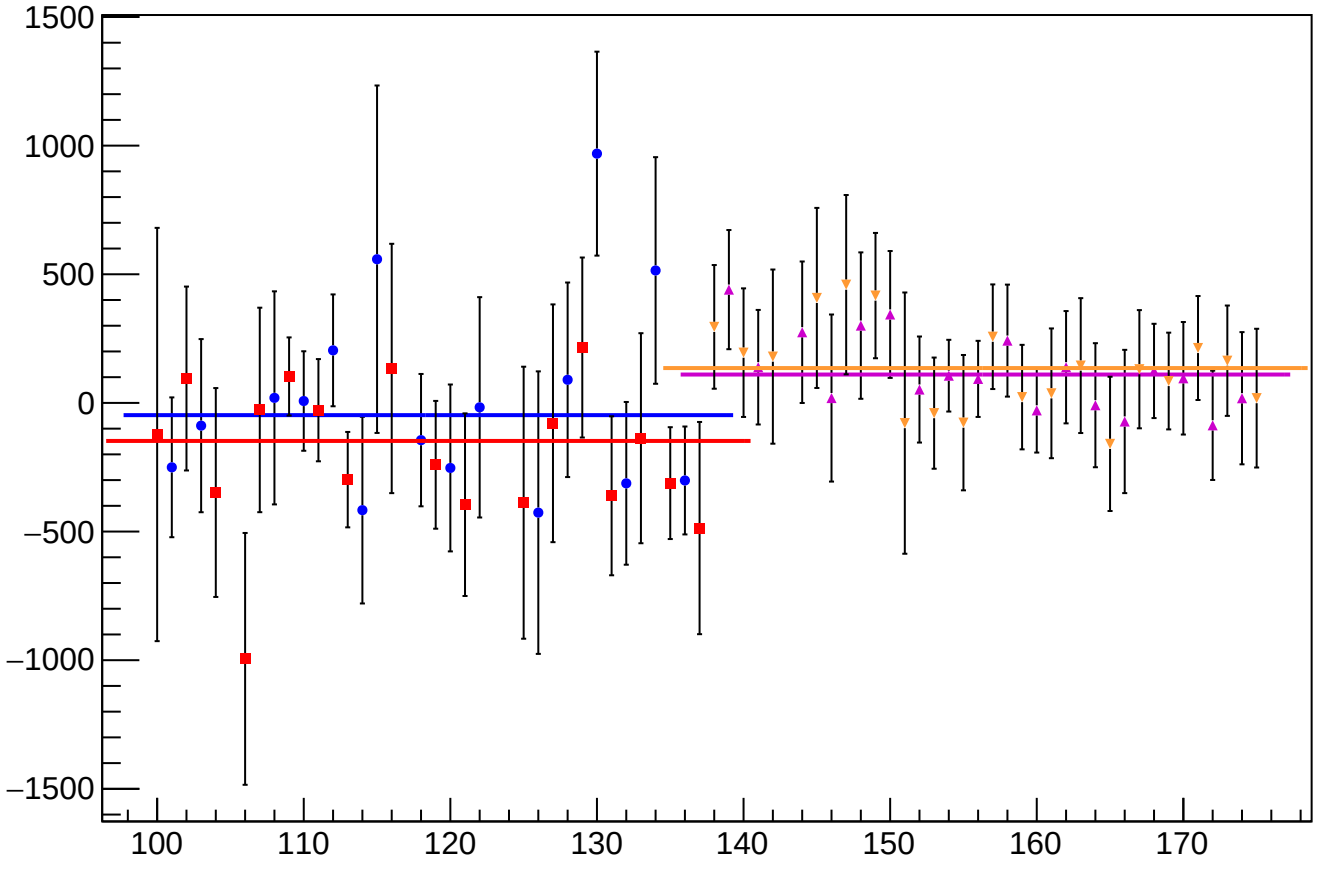
Left: 22.623+/-0.003 χ^2/NDF: 24526.3/36

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.617+/-0.003 χ^2/NDF:27799.1/33

Out: 22.705+/-0.003 χ^2/NDF:25923.0/36

All: 22.661+/-0.002 χ^2/NDF: 54061.6/70



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.438+/-56.282 χ^2/NDF:7.3/18

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 110.281+/-49.483 χ^2/NDF:6.7/17

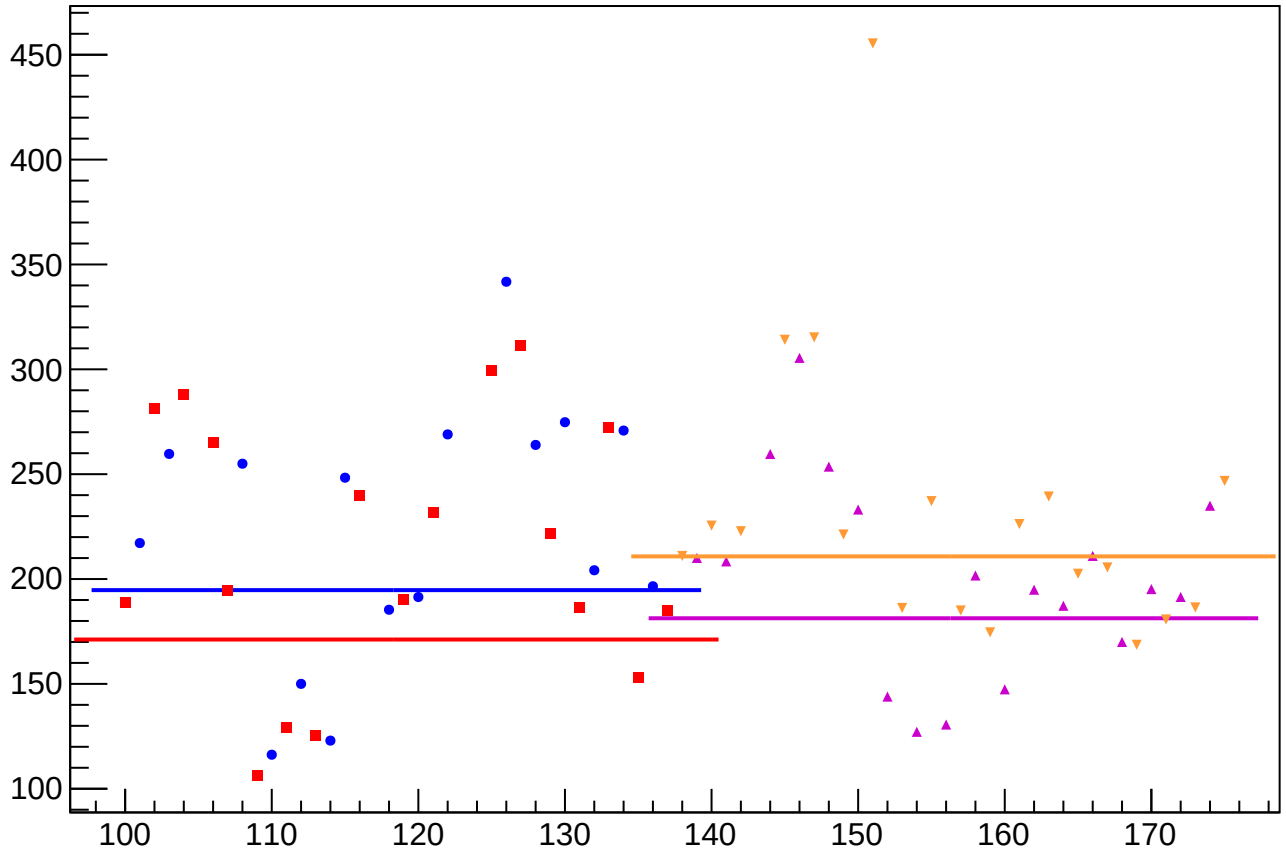
Left: 121.249+/-37.162 χ^2/NDF: 14.2/36

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 63.793+/-41.560 χ^2/NDF:25.1/33

Out: 21.602+/-43.527 χ^2/NDF:29.0/36

All: 43.672+/-30.059 χ^2/NDF: 54.6/70



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.792+/-0.040 χ^2/NDF:1213348.7/18

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

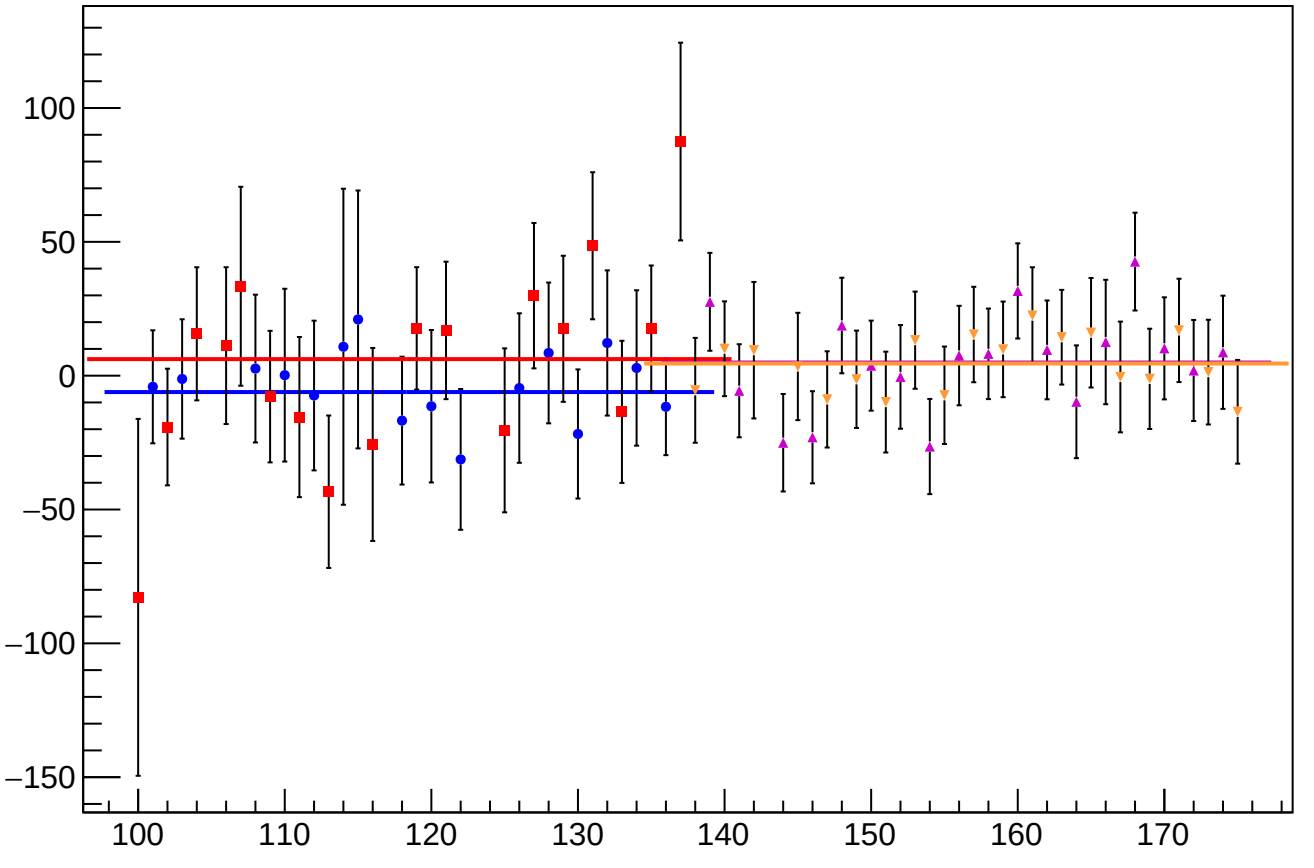
Left: 194.151+/-0.026 χ^2/NDF: 3100569.9/36

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.242+/-0.029 χ^2/NDF:2672877.1/33

Out: 194.862+/-0.031 χ^2/NDF:3223911.9/36

All: 189.830+/-0.021 χ^2/NDF: 5947896.2/70



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.550+/-4.348 χ^2/NDF:5.8/18

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 4.919+/-4.361 χ^2/NDF:18.4/17

Left: 4.734+/-3.079 χ^2/NDF: 24.2/36

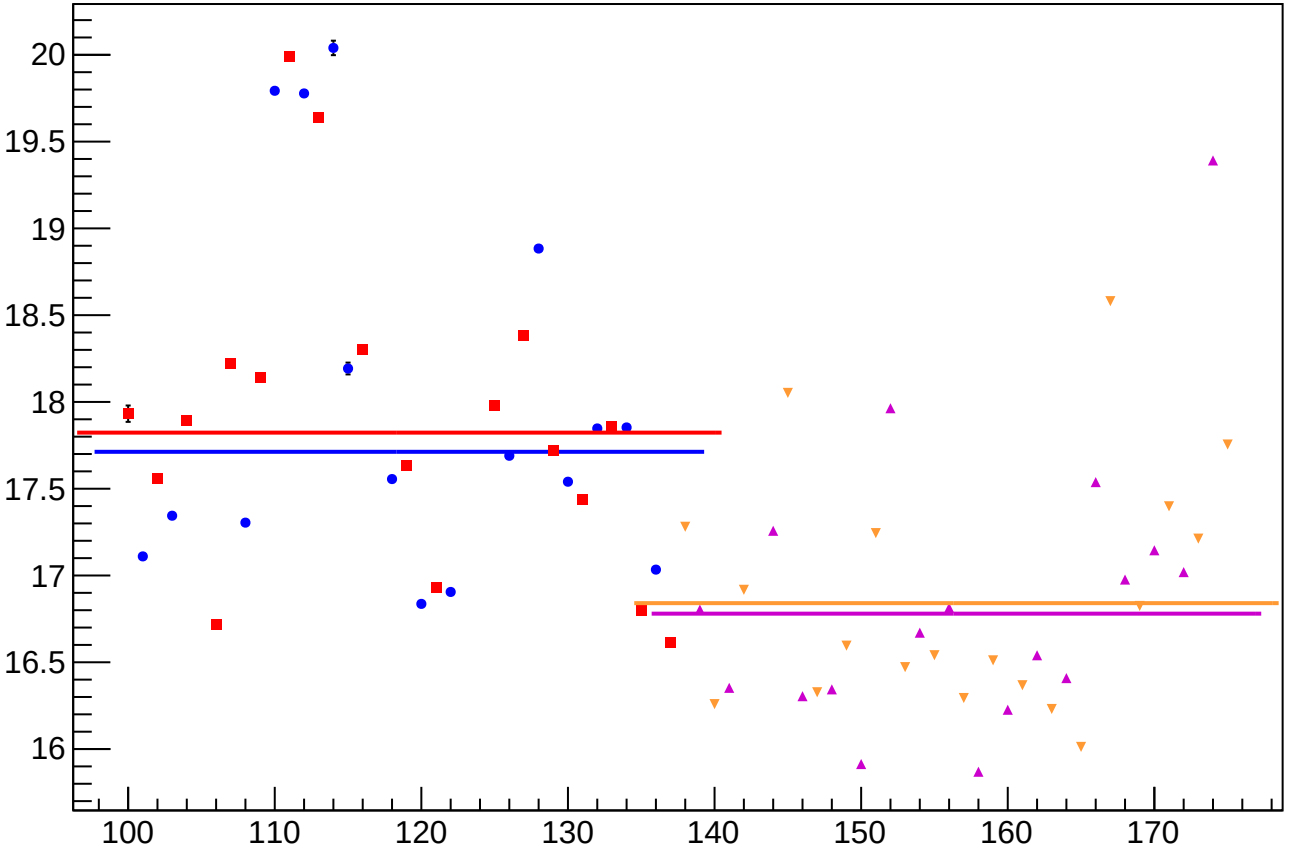
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.559+/-3.637 χ^2/NDF:23.5/33

Out: 5.050+/-3.628 χ^2/NDF:24.5/36

All: 3.309+/-2.569 χ^2/NDF: 48.5/70

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.841+/-0.003 χ^2/NDF:45354.5/18

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

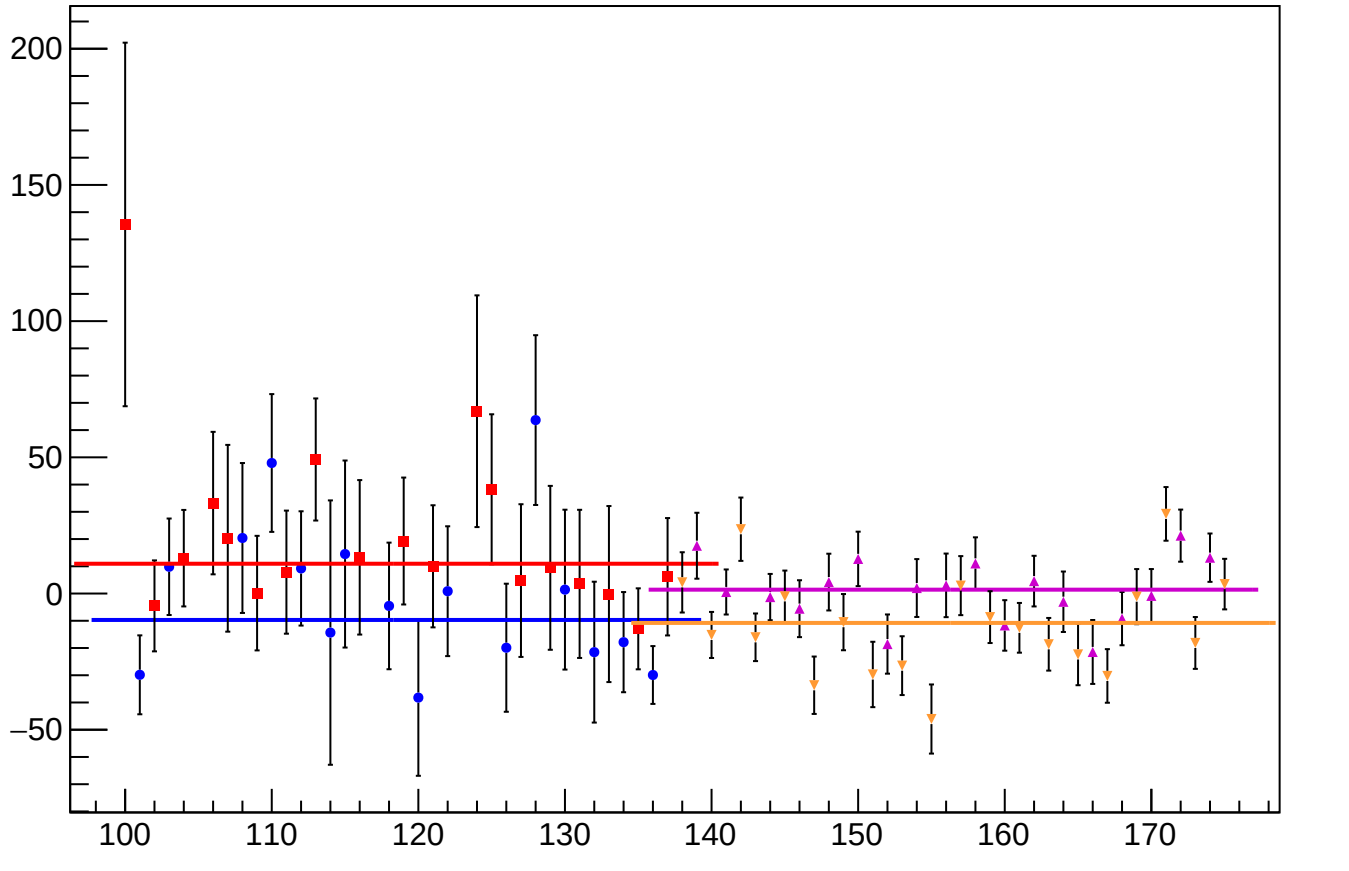
Left: 16.810+/-0.002 χ^2/NDF: 106328.3/36

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.064+/-0.003 χ^2/NDF:124602.2/33

Out: 17.139+/-0.003 χ^2/NDF:108893.1/36

All: 17.102+/-0.002 χ^2/NDF: 233925.0/70



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.789+/-2.252 χ^2/NDF:57.0/19

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.417+/-2.342 χ^2/NDF:21.5/17

Left: -4.925+/-1.624 χ^2/NDF: 92.6/37

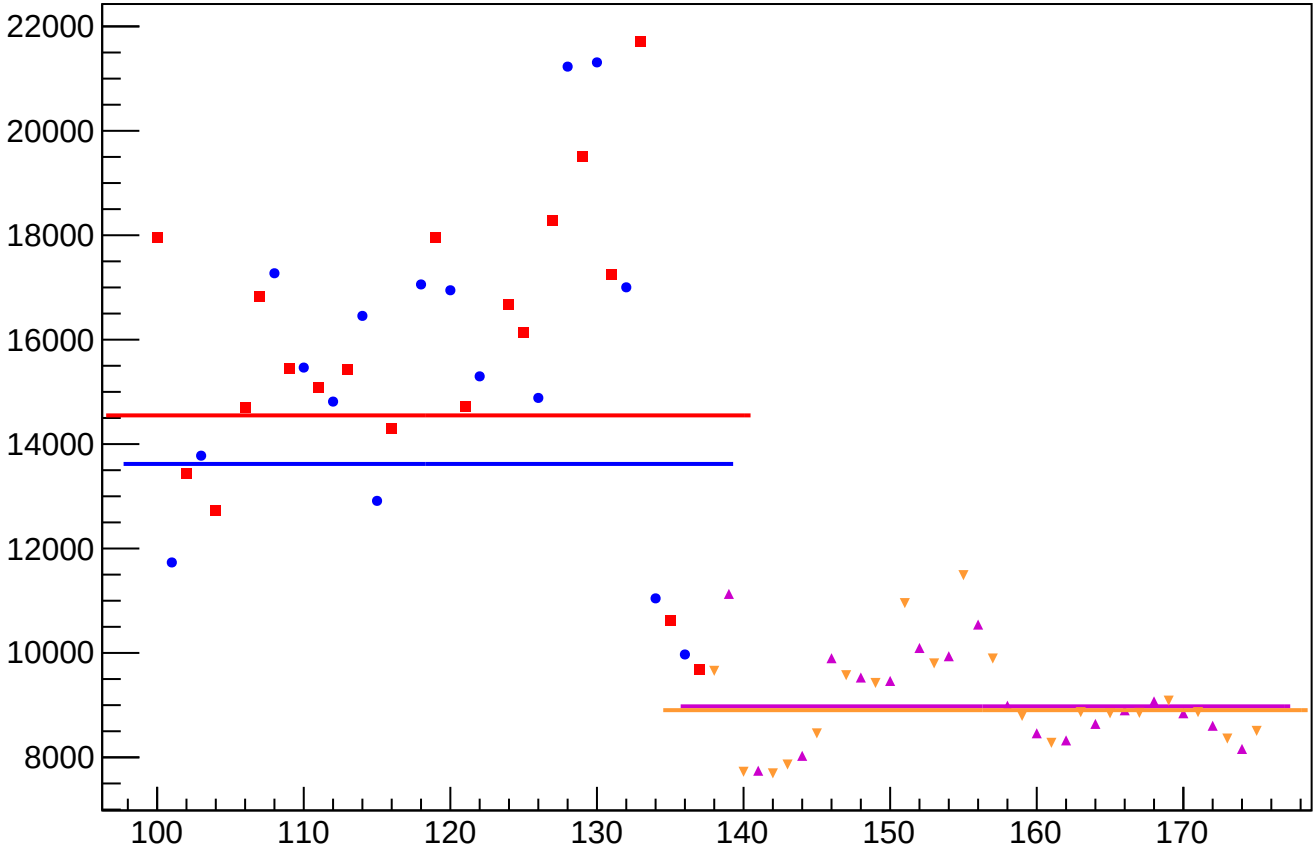
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -0.440+/-2.138 χ^2/NDF:47.2/33

Out: -7.606+/-2.081 χ^2/NDF:84.7/38

All: -4.120+/-1.491 χ^2/NDF: 137.7/72

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8903.863+/-1.593 χ^2/NDF:308409.2/19

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8976.908+/-1.656 χ^2/NDF:270535.6/17

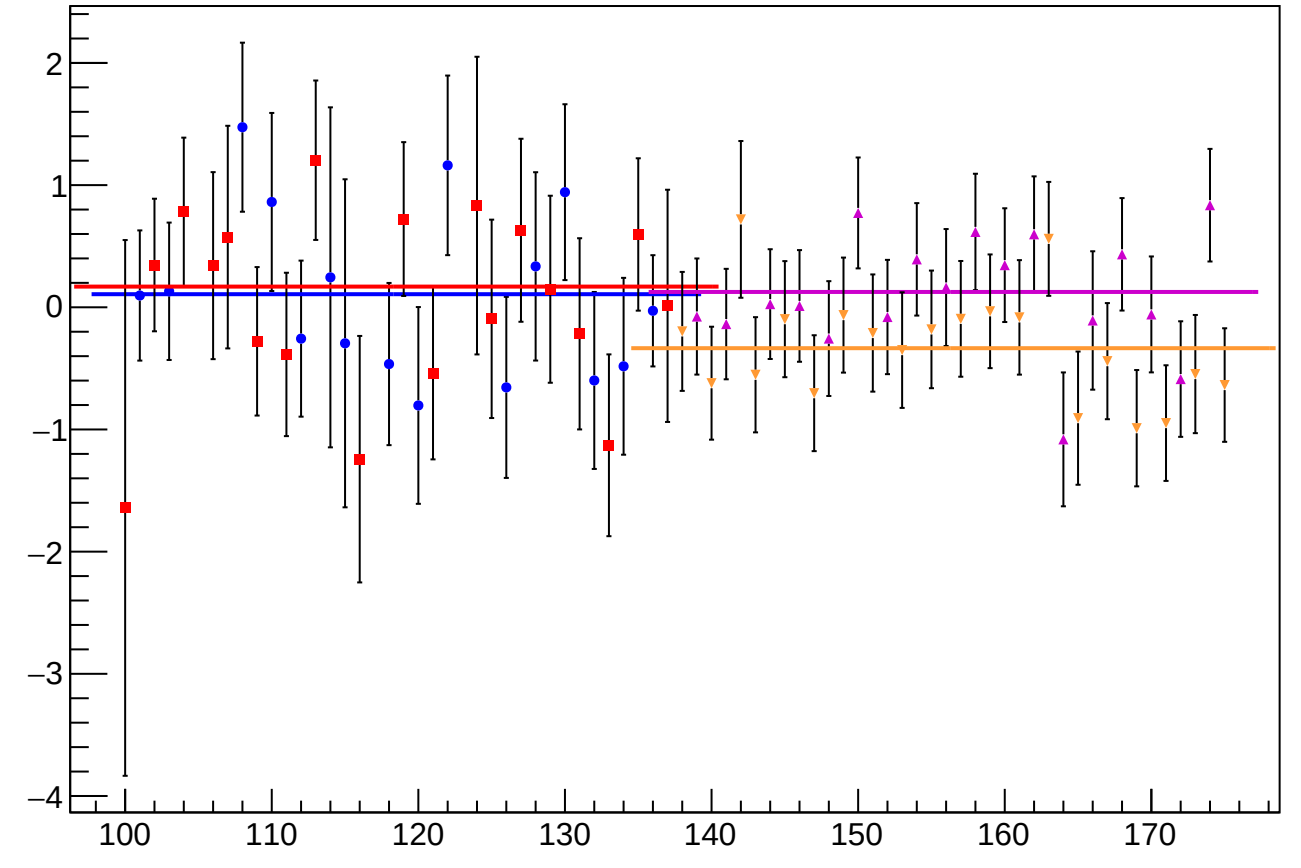
Left: 8938.955+/-1.148 χ^2/NDF: 579955.3/37

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9752.257+/-1.512 χ^2/NDF:2329805.1/33

Out: 9731.031+/-1.471 χ^2/NDF:2705457.1/38

All: 9741.357+/-1.054 χ^2/NDF: 5035363.5/72



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.335+/-0.108 χ^2/NDF:14.7/19

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.126+/-0.112 χ^2/NDF:16.4/17

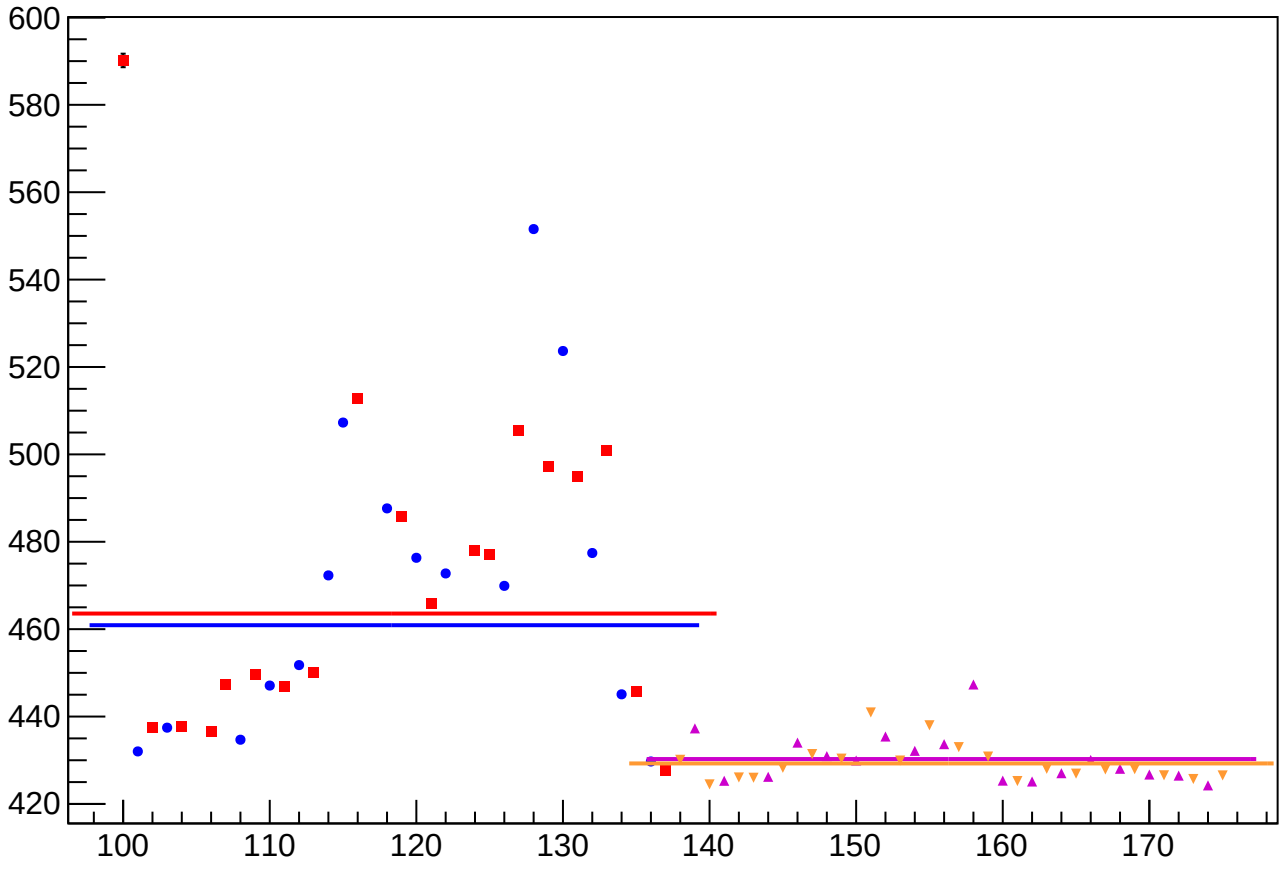
Left: -0.113+/-0.077 χ^2/NDF: 39.9/37

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.120+/-0.094 χ^2/NDF:30.1/33

Out: -0.190+/-0.091 χ^2/NDF:35.1/38

All: -0.039+/-0.065 χ^2/NDF: 70.8/72



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.269+/-0.076 χ^2/NDF:2895.5/19

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.277+/-0.079 χ^2/NDF:5086.1/17

Left: 429.756+/-0.055 χ^2/NDF: 8066.0/37

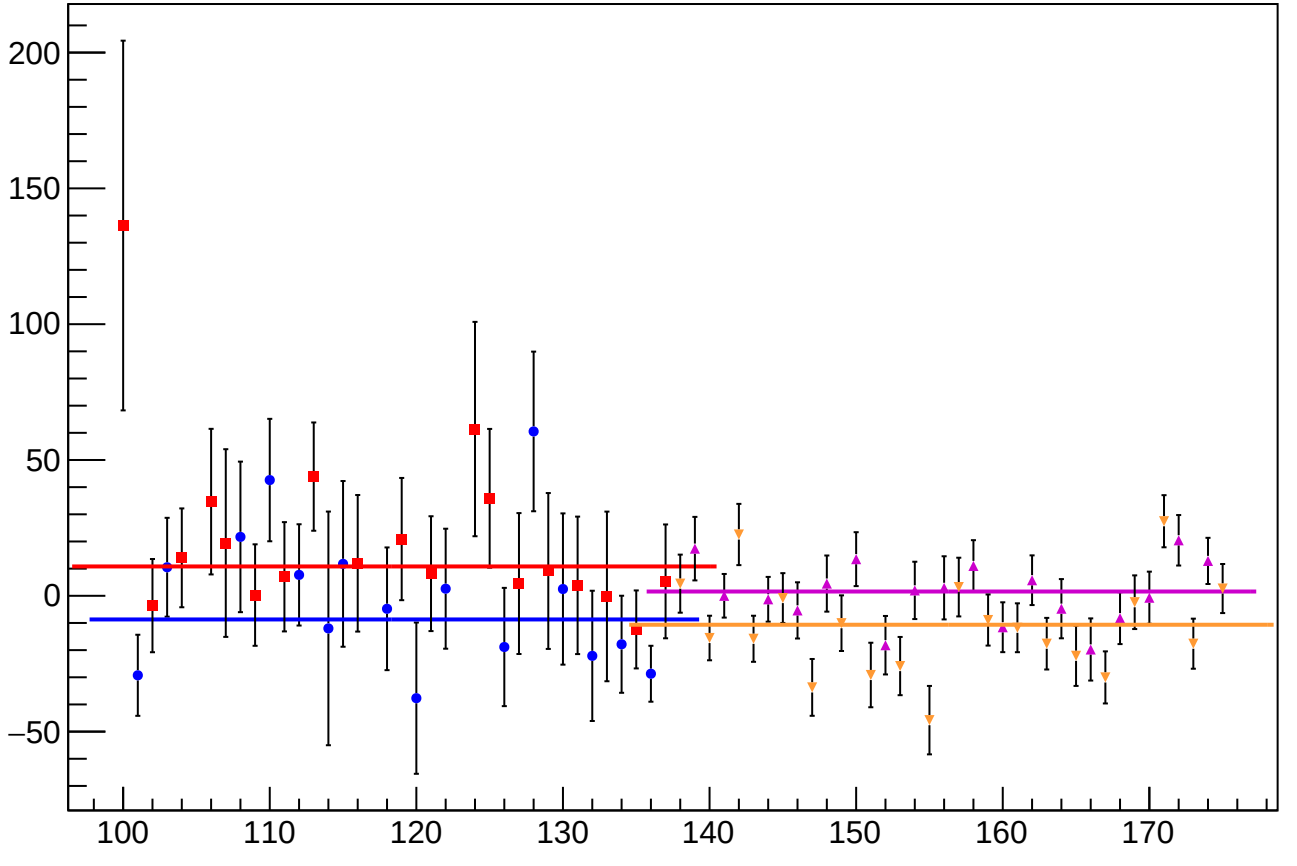
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 439.367+/-0.066 χ^2/NDF:124768.9/33

Out: 439.146+/-0.064 χ^2/NDF:113445.8/38

All: 439.253+/-0.046 χ^2/NDF: 238220.4/72

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.656+/-2.206 χ^2/NDF:56.3/19

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.577+/-2.296 χ^2/NDF:21.4/17

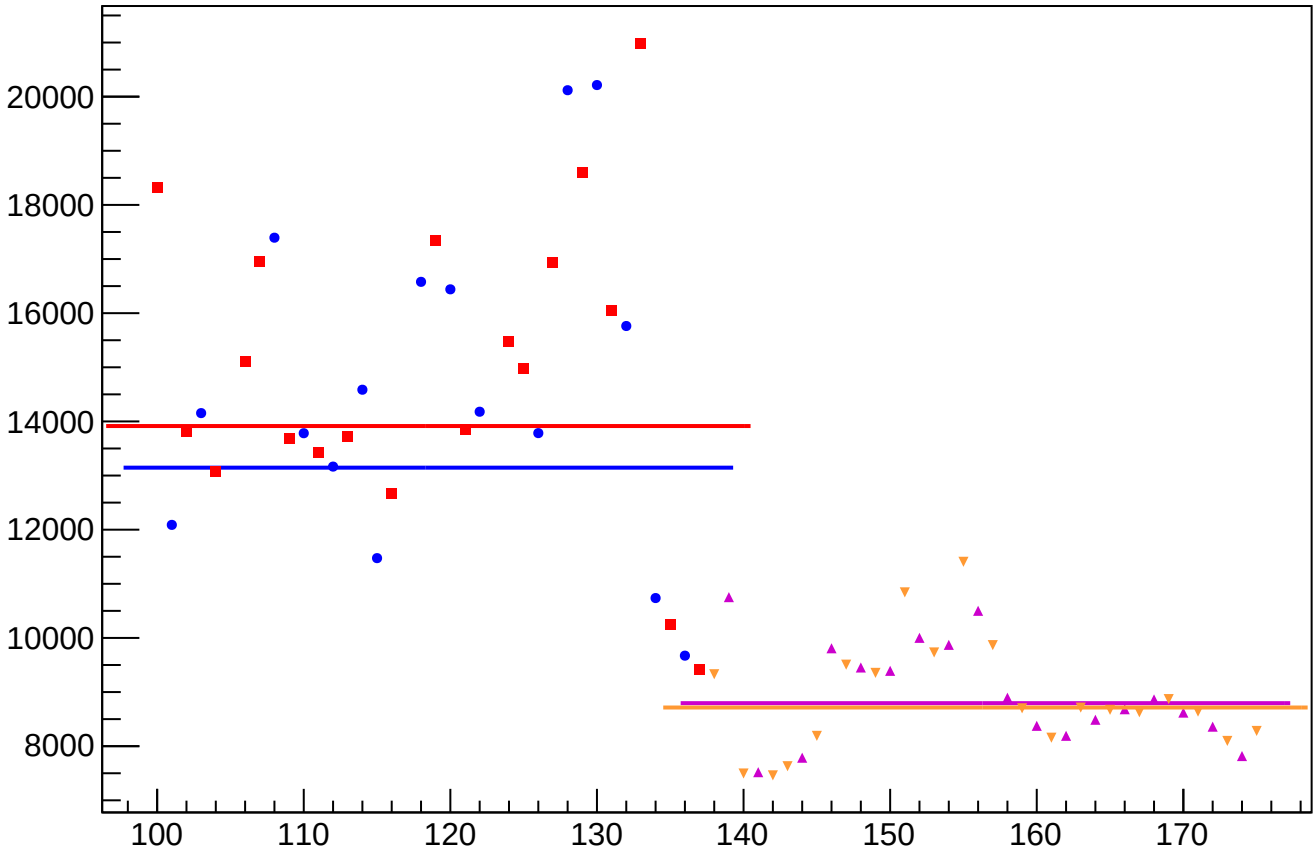
Left: -4.784+/-1.591 χ^2/NDF: 92.4/37

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -0.193+/-2.089 χ^2/NDF:47.1/33

Out: -7.373+/-2.030 χ^2/NDF:84.6/38

All: -3.886+/-1.456 χ^2/NDF: 137.8/72



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8714.498+/-1.560 χ^2/NDF:352284.5/19

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8794.924+/-1.624 χ^2/NDF:306507.3/17

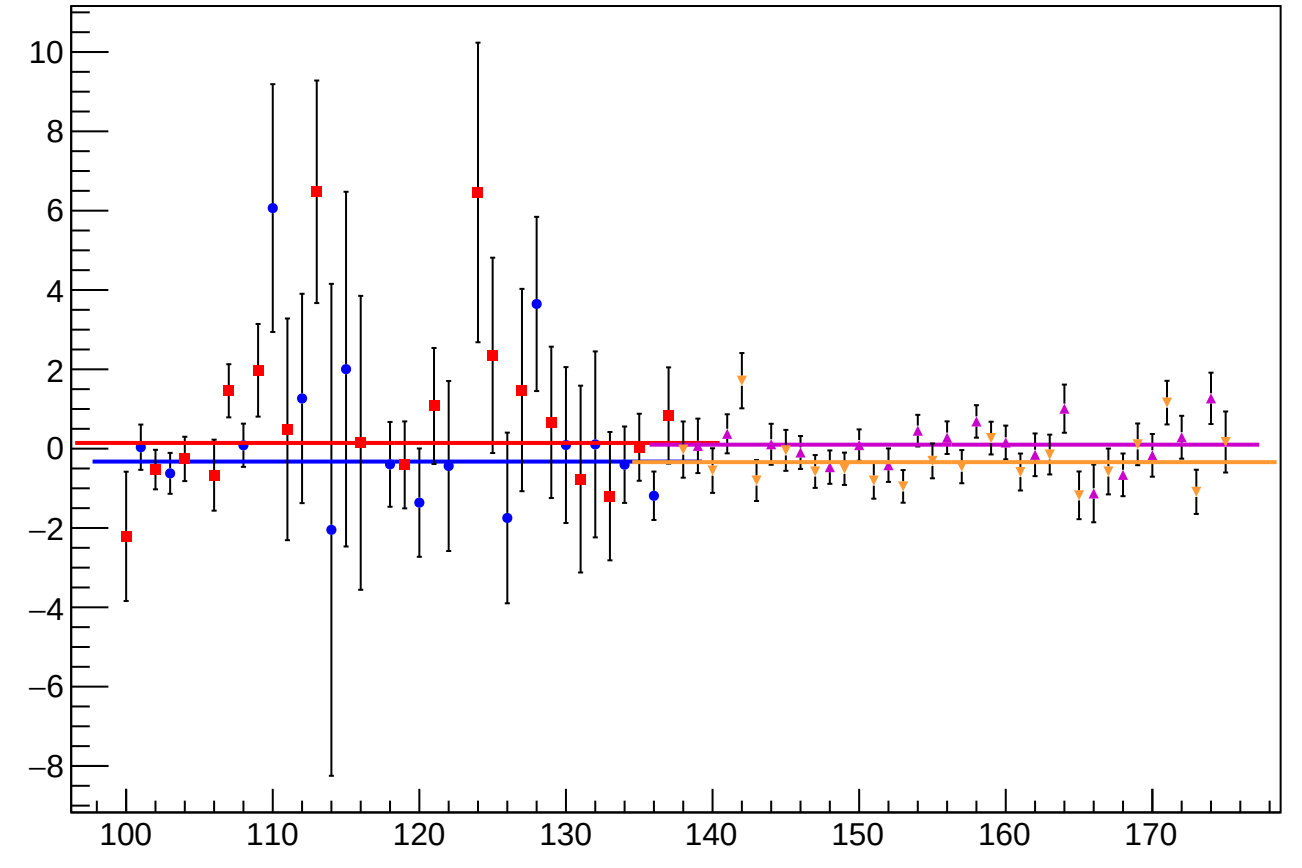
Left: 8753.102+/-1.125 χ^2/NDF: 660067.6/37

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 9543.847+/-1.477 χ^2/NDF:2225156.3/33

Out: 9509.907+/-1.436 χ^2/NDF:2563069.6/38

All: 9526.392+/-1.030 χ^2/NDF: 4788497.3/72



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.340+/-0.112 χ^2/NDF:29.1/19

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.100+/-0.113 χ^2/NDF:17.8/17

Left: -0.123+/-0.080 χ^2/NDF: 54.6/37

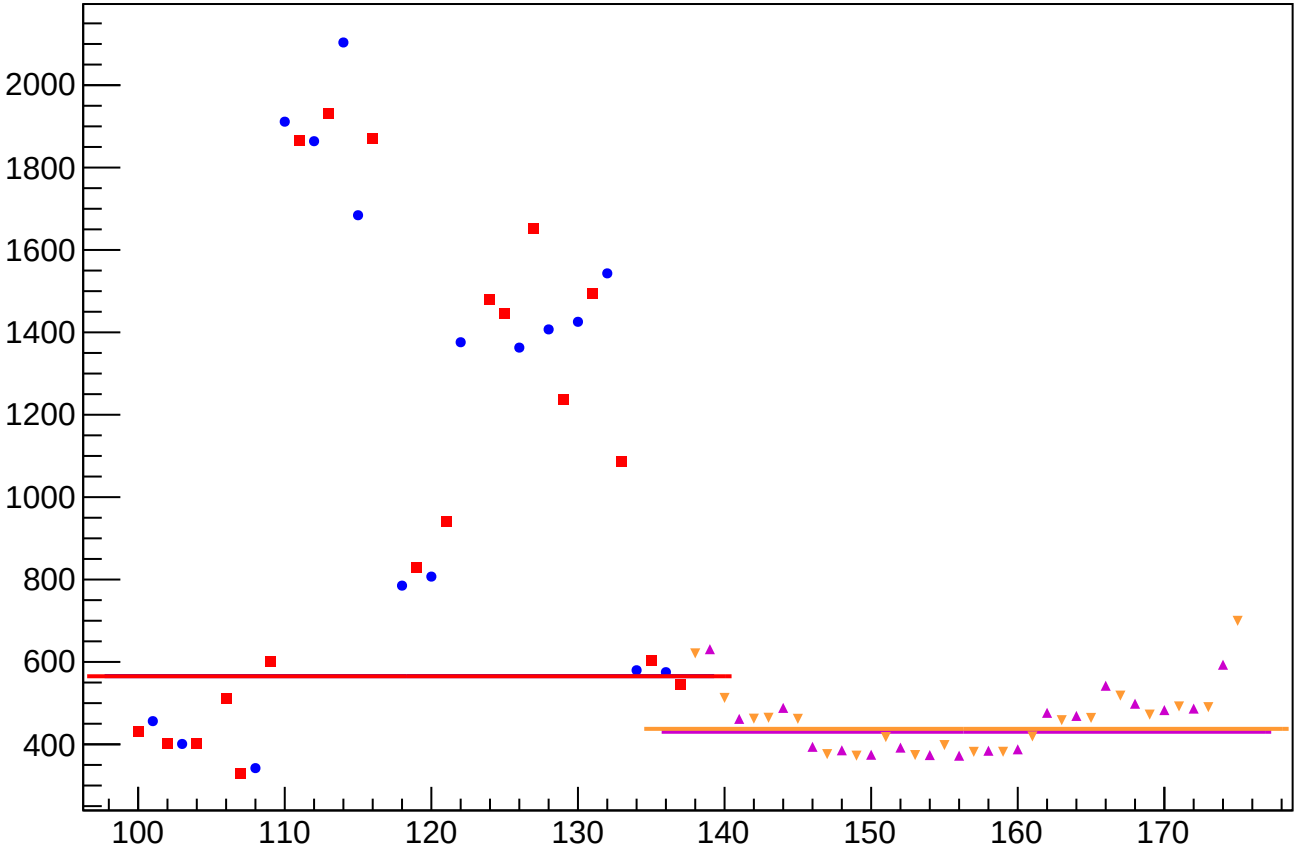
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.025+/-0.103 χ^2/NDF:32.9/33

Out: -0.256+/-0.102 χ^2/NDF:54.8/38

All: -0.117+/-0.072 χ^2/NDF: 91.5/72

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.585+/-0.079 χ^2/NDF:744342.3/19

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 430.489+/-0.080 χ^2/NDF:692703.2/17

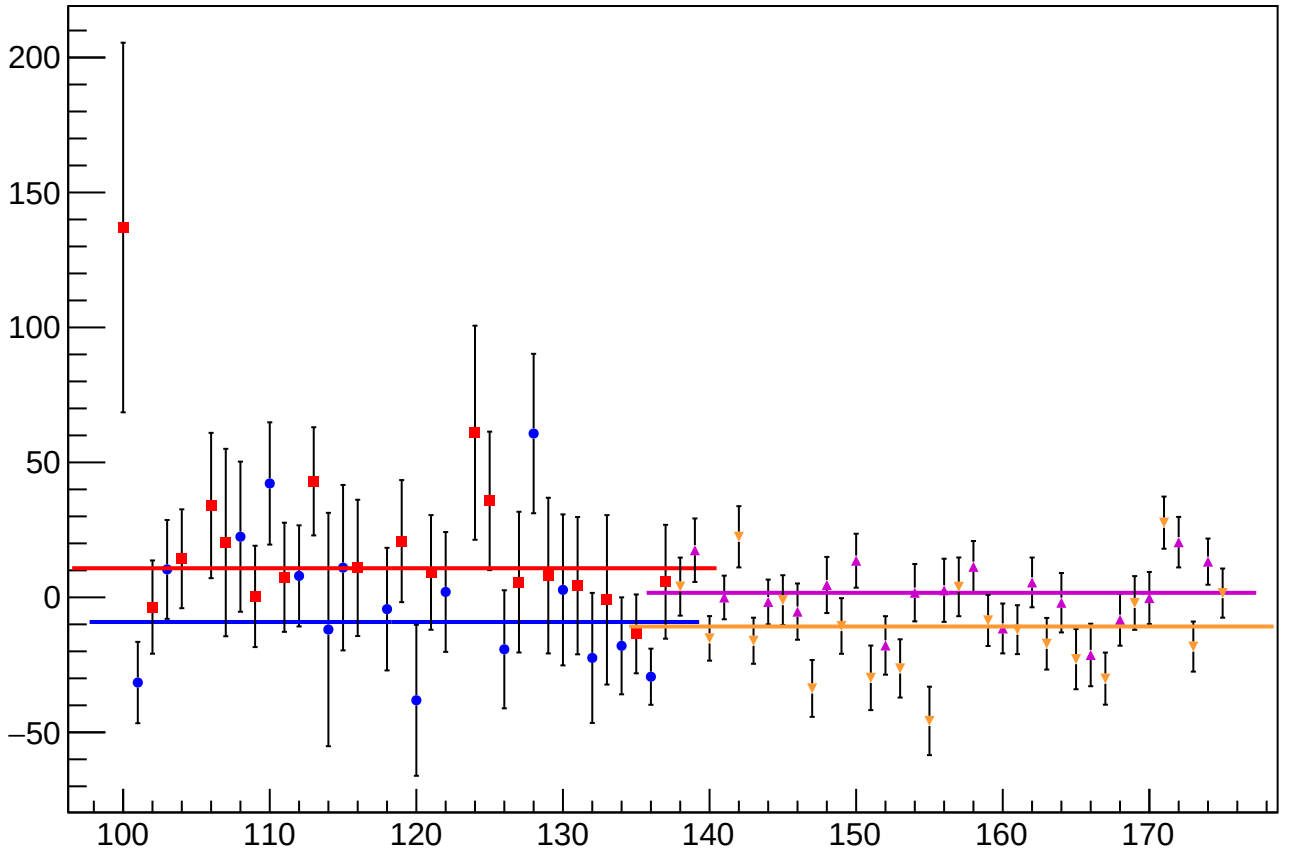
Left: 434.090+/-0.056 χ^2/NDF: 1441027.8/37

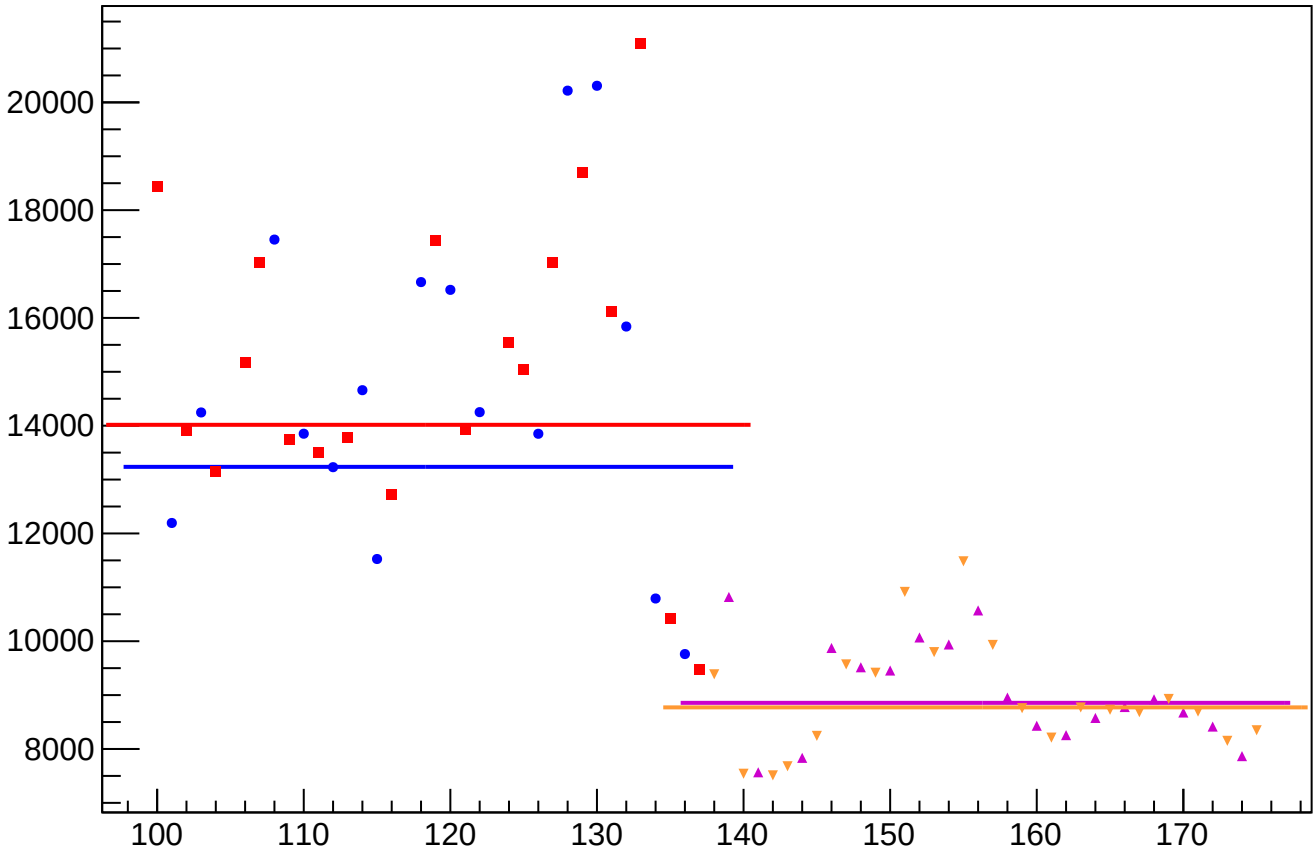
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 454.419+/-0.073 χ^2/NDF:4646776.2/33

Out: 459.613+/-0.072 χ^2/NDF:4767430.7/38

All: 457.048+/-0.051 χ^2/NDF: 9416792.7/72


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -10.800+/-2.221 χ²/NDF:55.9/19
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 1.684+/-2.312 χ²/NDF:21.5/17
Left: -4.810+/-1.602 χ²/NDF: 92.5/37
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -0.179+/-2.104 χ²/NDF:48.0/33
Out: -7.500+/-2.044 χ²/NDF:84.0/38
All: -3.945+/-1.466 χ²/NDF: 138.2/72



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8771.868+/-1.570 χ^2/NDF:352616.1/19

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8856.182+/-1.635 χ^2/NDF:306342.8/17

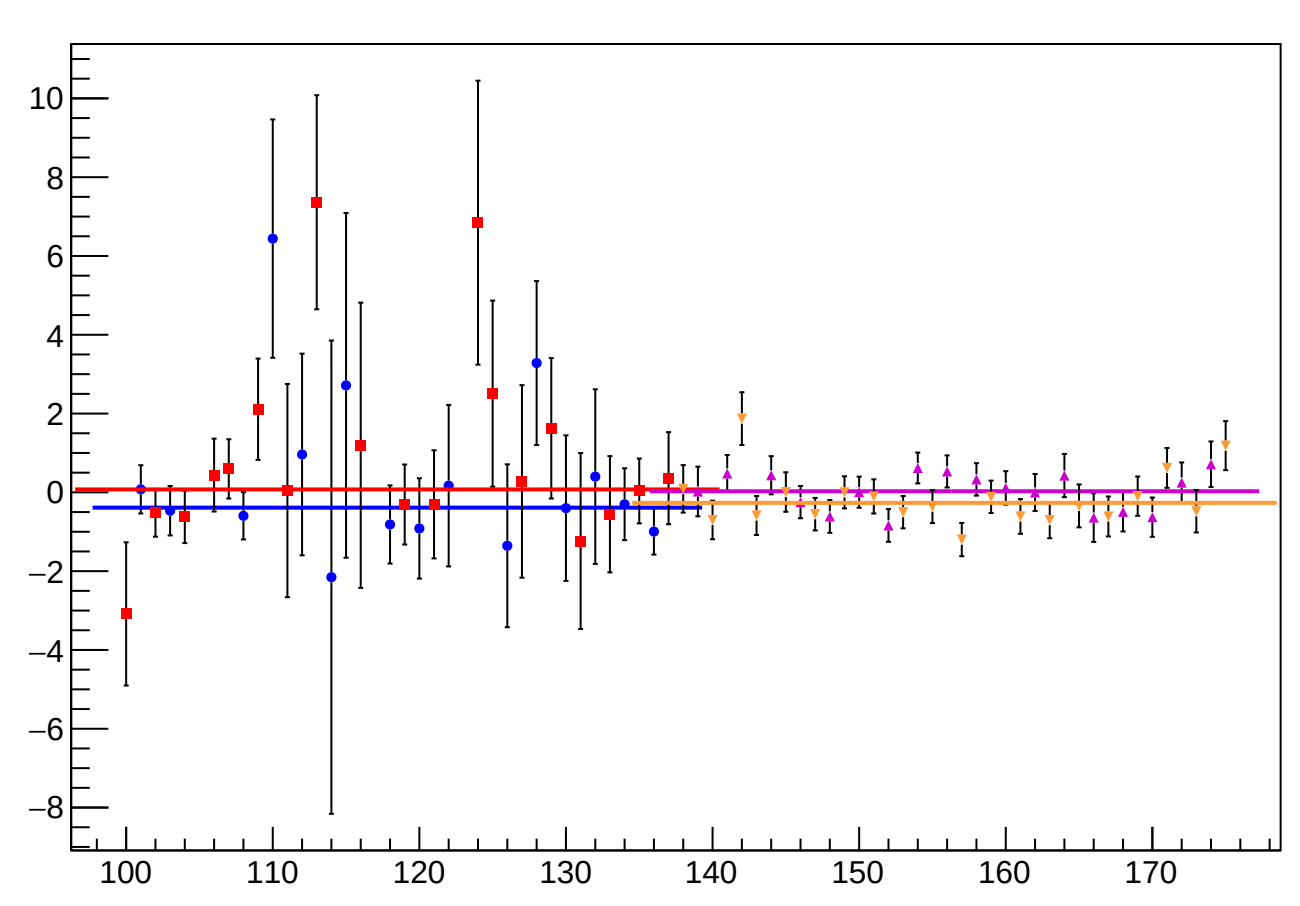
Left: 8812.321+/-1.133 χ^2/NDF: 660342.2/37

Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 9610.482+/-1.488 χ^2/NDF:2215978.7/33

Out: 9573.564+/-1.445 χ^2/NDF:2556335.8/38

All: 9591.490+/-1.037 χ^2/NDF: 4772631.4/72



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.267+/-0.106 χ^2/NDF:29.3/19

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.028+/-0.109 χ^2/NDF:19.3/17

Left: -0.123+/-0.076 χ^2/NDF: 52.4/37

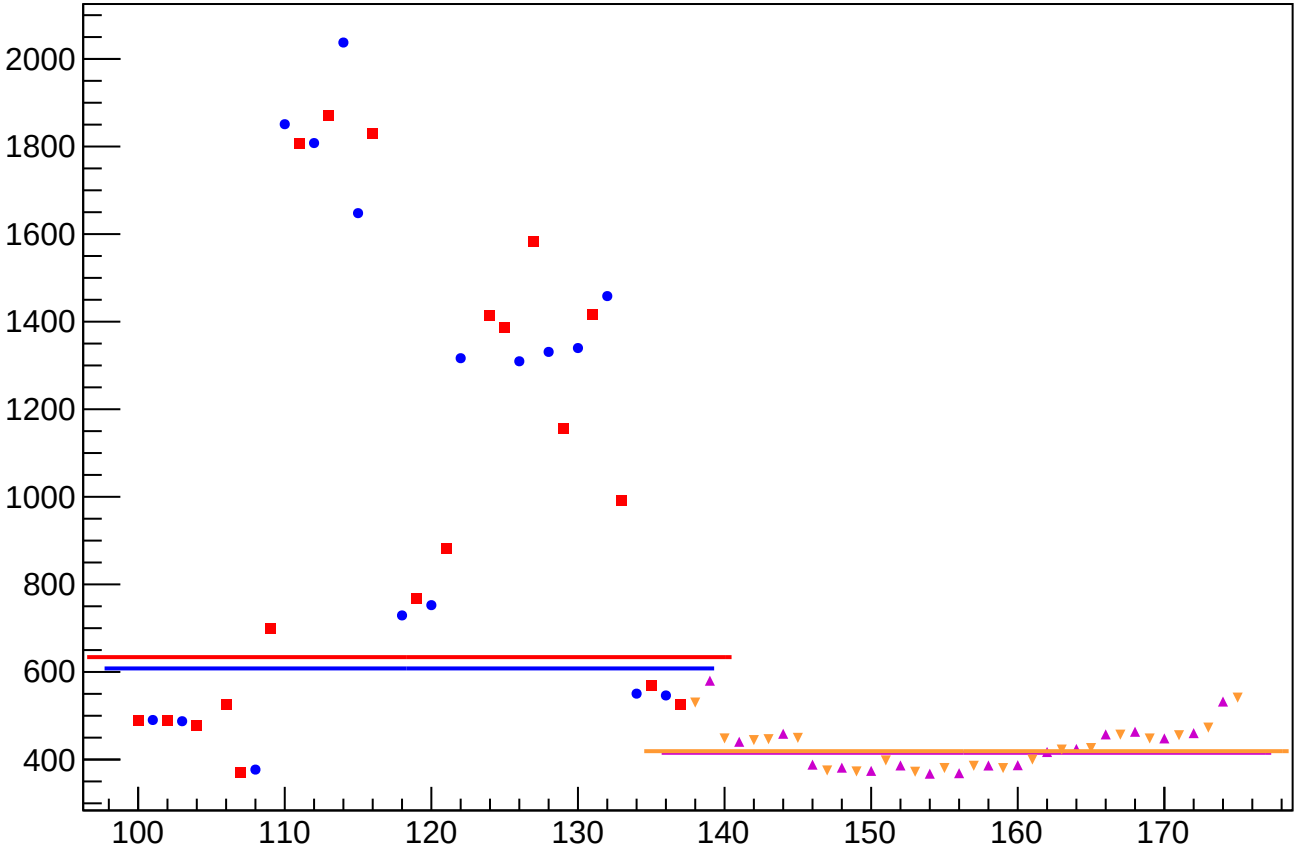
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.036+/-0.100 χ^2/NDF:33.2/33

Out: -0.219+/-0.099 χ^2/NDF:52.4/38

All: -0.129+/-0.070 χ^2/NDF: 87.3/72

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 419.088+/-0.075 χ^2/NDF:347673.9/19

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 415.414+/-0.077 χ^2/NDF:420777.9/17

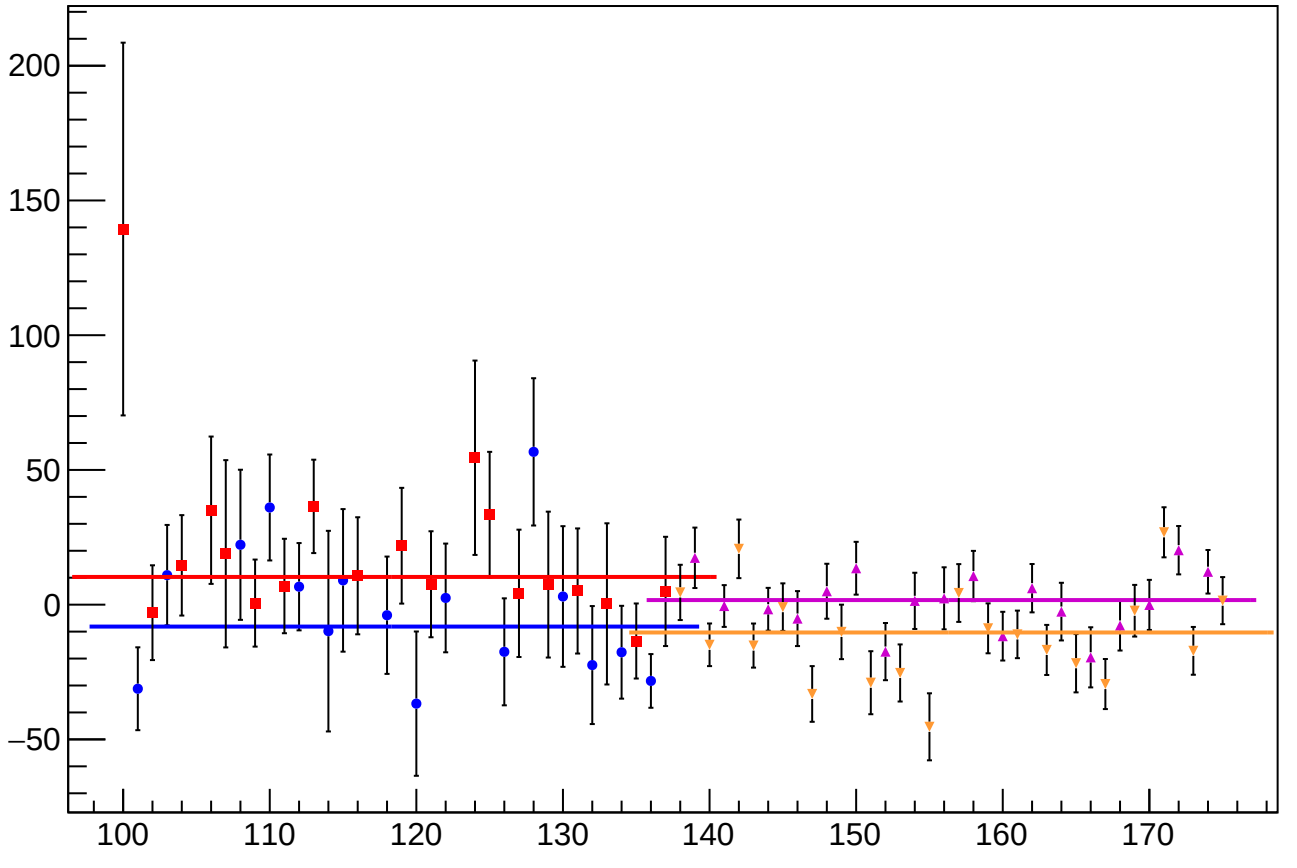
Left: 417.294+/-0.054 χ^2/NDF: 769620.5/37

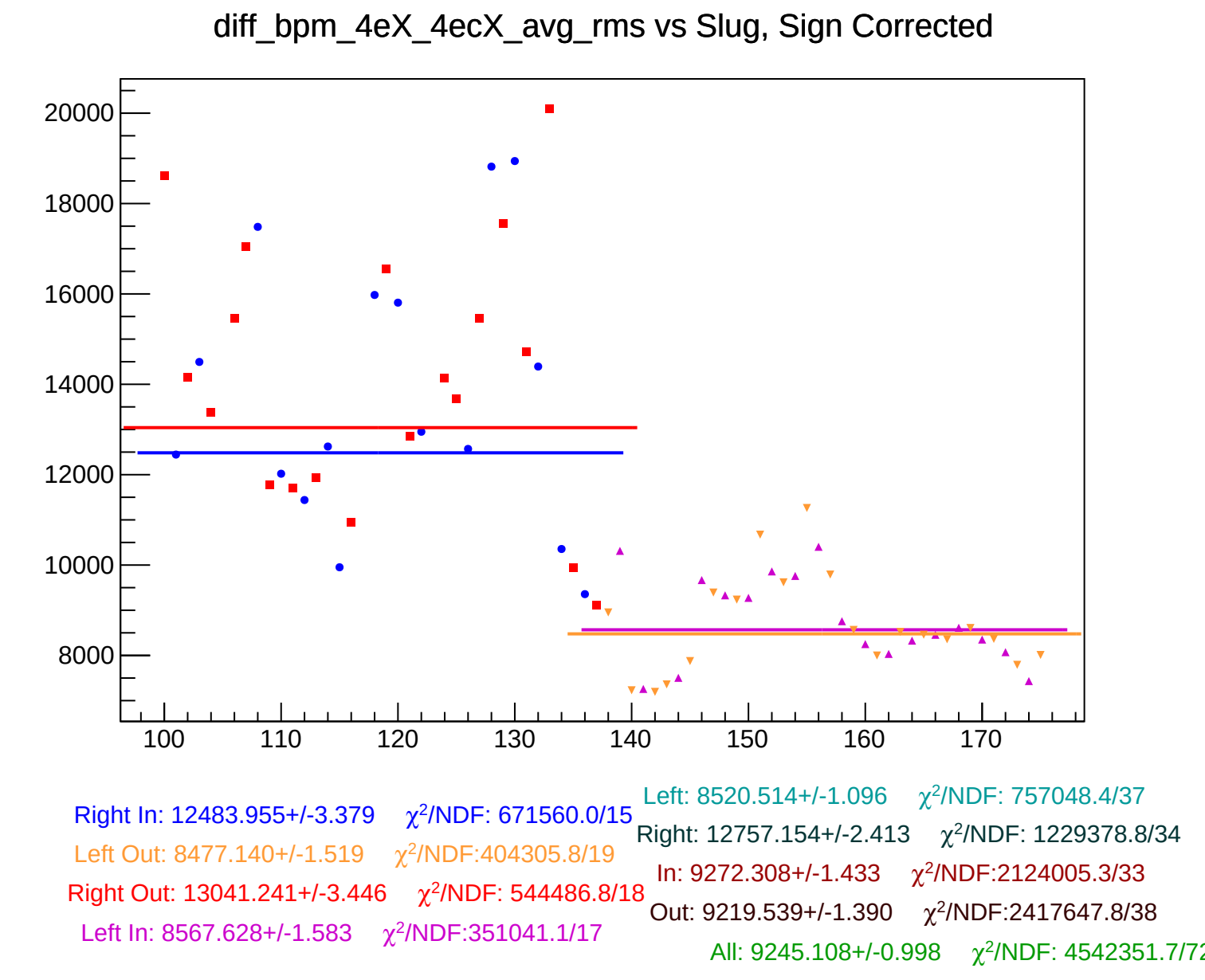
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

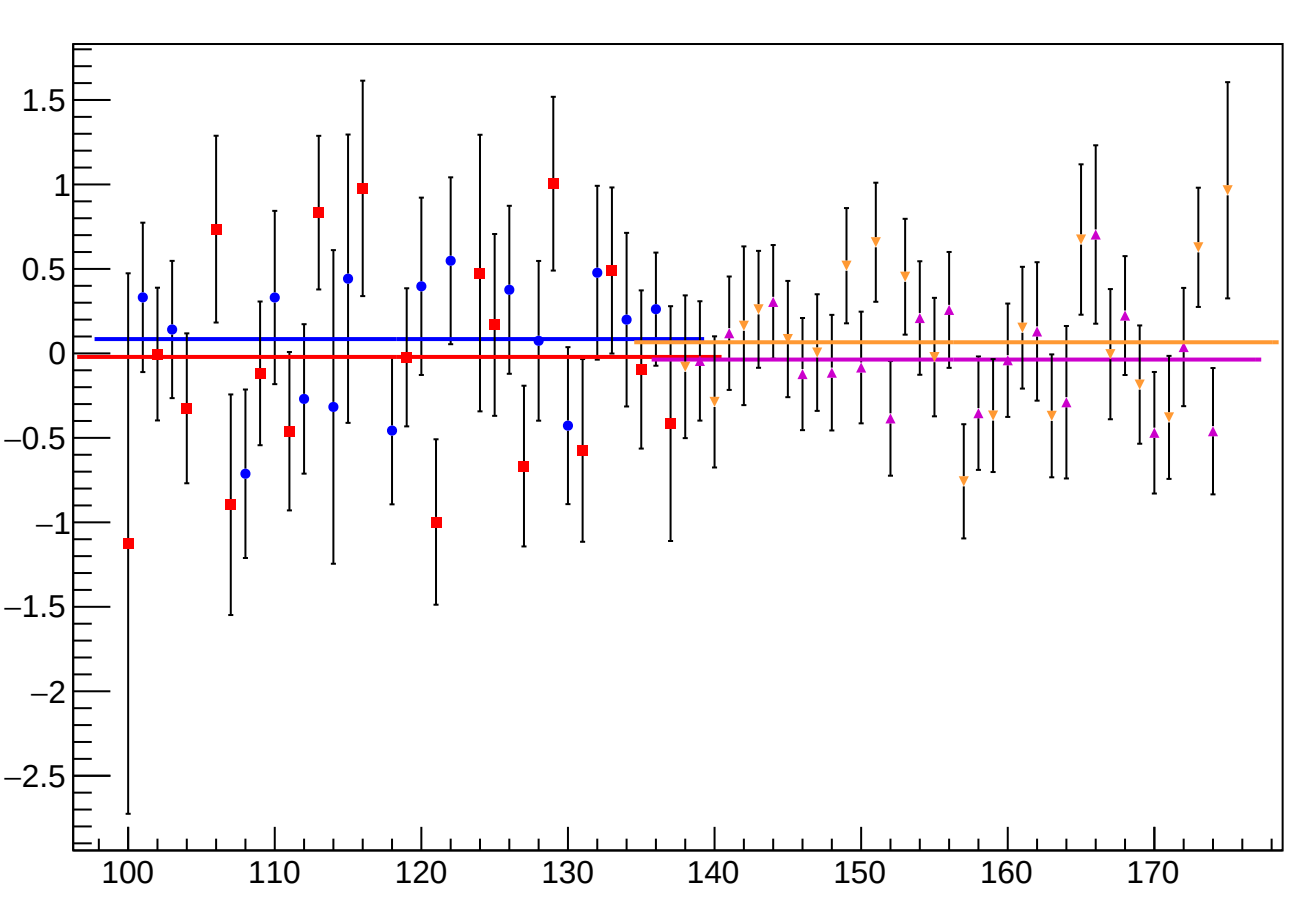
In: 444.904+/-0.071 χ^2/NDF:4234976.8/33

Out: 448.890+/-0.070 χ^2/NDF:4271894.0/38

All: 446.927+/-0.050 χ^2/NDF: 8508482.7/72


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -10.325+/-2.148 χ²/NDF:56.3/19
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 1.704+/-2.239 χ²/NDF:21.6/17
Left: -4.559+/-1.550 χ²/NDF: 93.0/37
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -0.065+/-2.027 χ²/NDF:48.2/33
Out: -6.972+/-1.965 χ²/NDF:85.0/38
All: -3.626+/-1.411 χ²/NDF: 139.2/72


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8477.140+/-1.519 χ²/NDF:404305.8/19
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8567.628+/-1.583 χ²/NDF:351041.1/17
Left: 8520.514+/-1.096 χ²/NDF: 757048.4/37
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9272.308+/-1.433 χ²/NDF:2124005.3/33
Out: 9219.539+/-1.390 χ²/NDF:2417647.8/38
All: 9245.108+/-0.998 χ²/NDF: 4542351.7/72



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.066+/-0.083 χ^2/NDF:24.8/19

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.037+/-0.084 χ^2/NDF:10.4/17

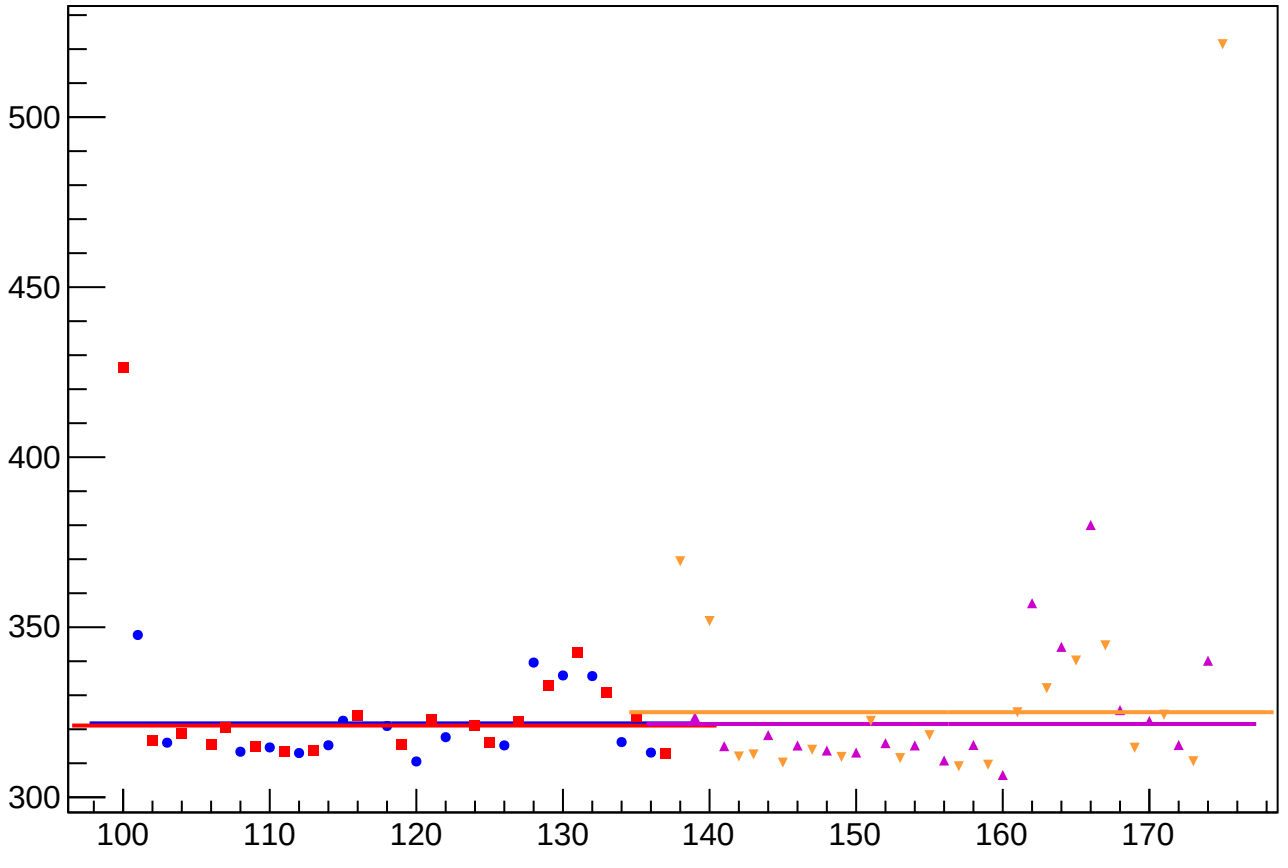
Left: 0.015+/-0.059 χ^2/NDF: 35.9/37

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.003+/-0.069 χ^2/NDF:20.4/33

Out: 0.037+/-0.068 χ^2/NDF:49.5/38

All: 0.020+/-0.048 χ^2/NDF: 70.0/72



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.014+/-0.058 χ^2/NDF:258927.1/19

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 321.552+/-0.059 χ^2/NDF:62439.7/17

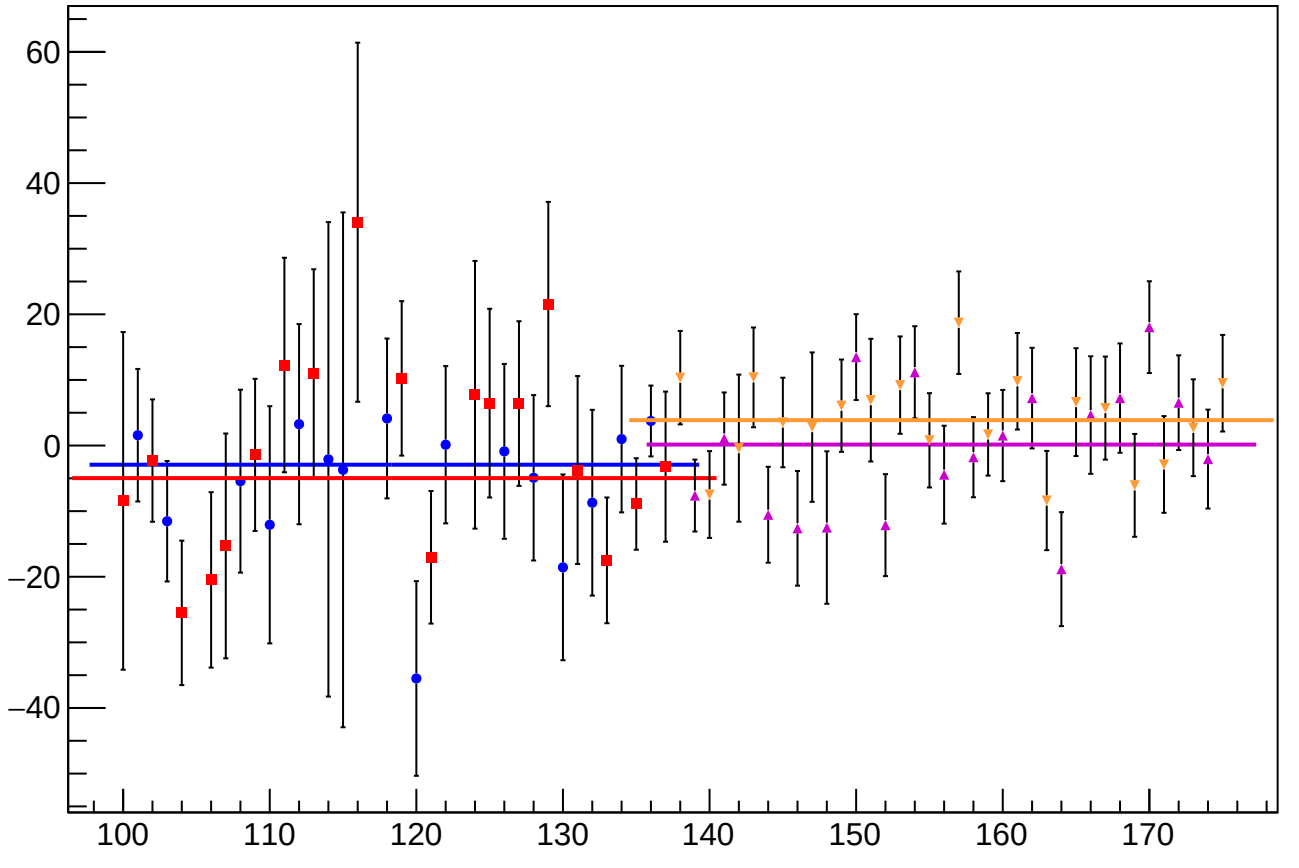
Left: 323.309+/-0.042 χ^2/NDF: 323092.6/37

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.609+/-0.049 χ^2/NDF:80657.2/33

Out: 323.714+/-0.048 χ^2/NDF:276995.8/38

All: 322.680+/-0.034 χ^2/NDF: 358604.9/72



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.868+/-1.699 χ^2/NDF:15.8/19

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 0.150+/-1.733 χ^2/NDF:31.1/17

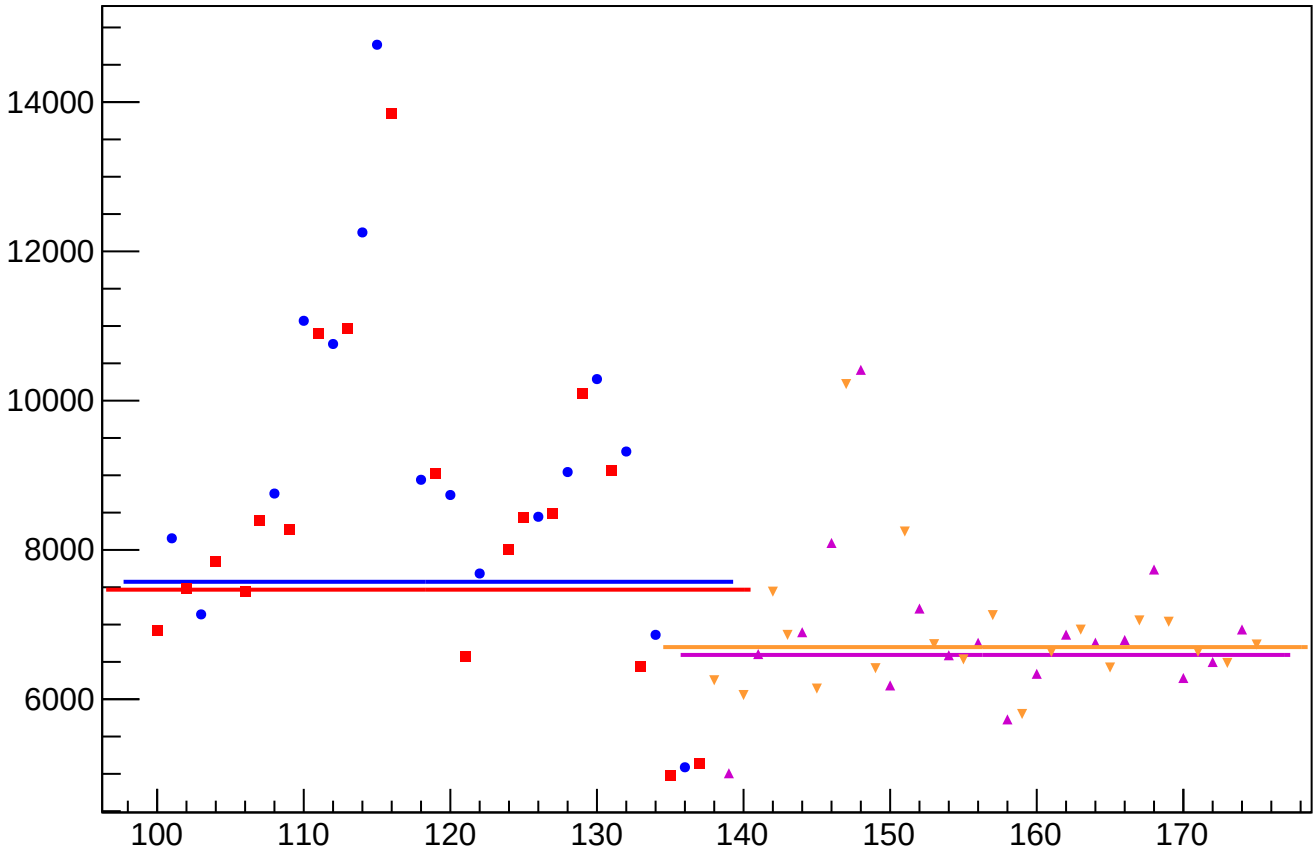
Left: 2.046+/-1.213 χ^2/NDF: 49.3/37

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.655+/-1.489 χ^2/NDF:41.8/33

Out: 1.521+/-1.456 χ^2/NDF:42.4/38

All: 0.458+/-1.041 χ^2/NDF: 85.3/72



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6698.232+/-1.201 χ^2/NDF:361167.3/19

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6593.269+/-1.226 χ^2/NDF:560392.6/17

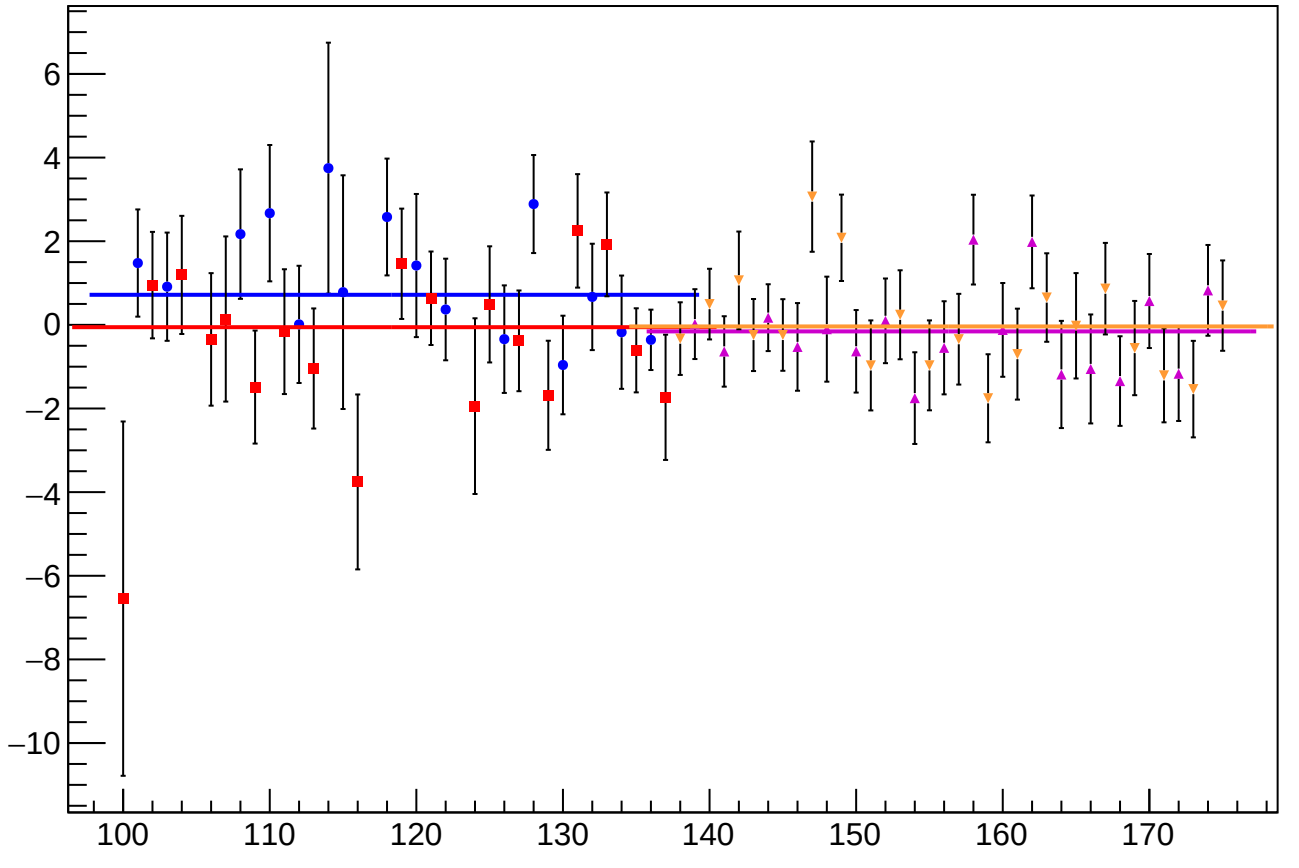
Left: 6646.801+/-0.858 χ^2/NDF: 925300.1/37

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6849.850+/-1.053 χ^2/NDF:1625342.0/33

Out: 6902.675+/-1.029 χ^2/NDF:1298481.3/38

All: 6876.861+/-0.736 χ^2/NDF: 2925110.1/72



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.038+/-0.233 χ^2/NDF:20.3/19

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.157+/-0.246 χ^2/NDF:15.5/17

Left: -0.094+/-0.169 χ^2/NDF: 35.9/37

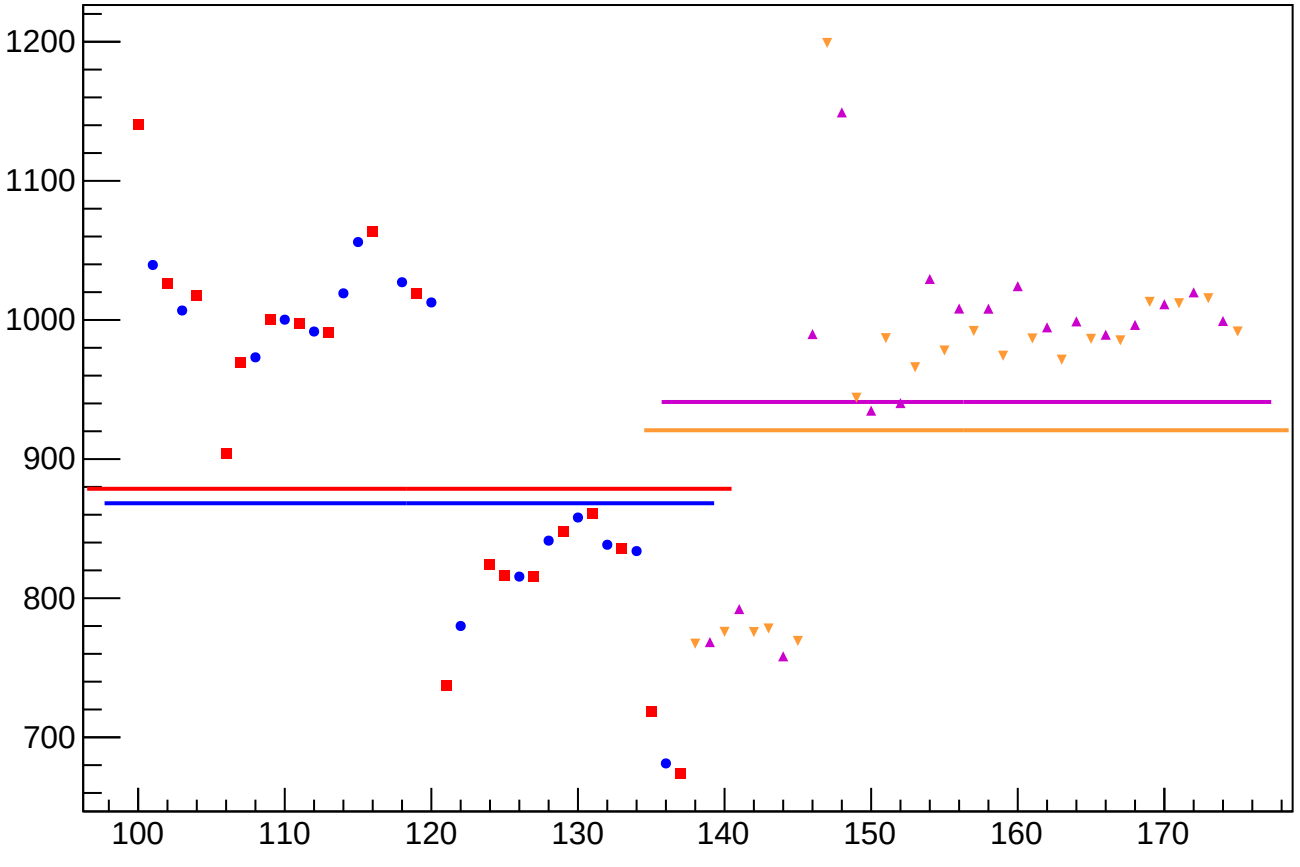
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.161+/-0.196 χ^2/NDF:34.9/33

Out: -0.044+/-0.189 χ^2/NDF:40.1/38

All: 0.055+/-0.136 χ^2/NDF: 75.5/72

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 920.721+/-0.165 χ^2/NDF:463464.3/19

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 941.056+/-0.174 χ^2/NDF:391306.6/17

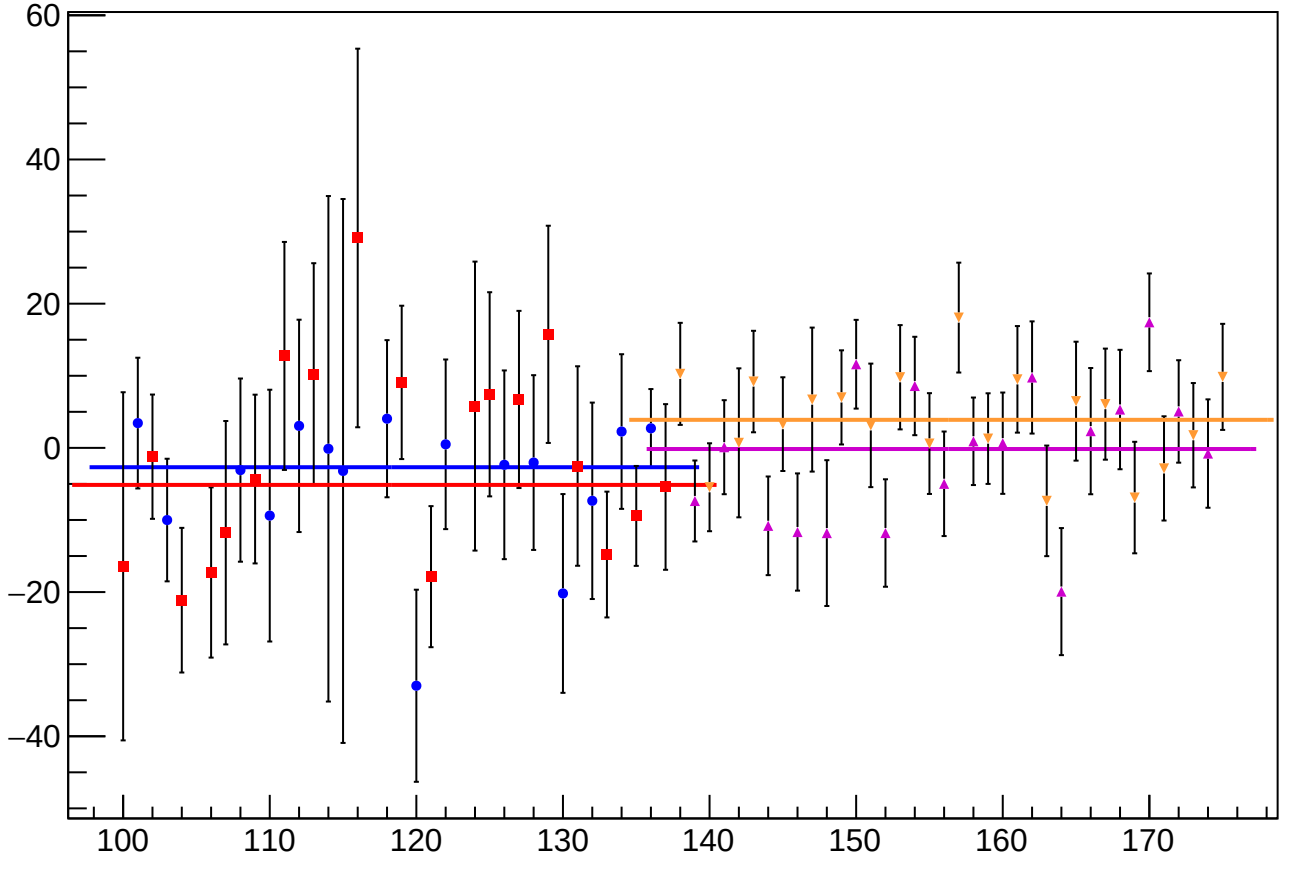
Left: 930.343+/-0.120 χ^2/NDF: 861986.5/37

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 914.672+/-0.139 χ^2/NDF:757344.3/33

Out: 906.355+/-0.134 χ^2/NDF:758279.4/38

All: 910.357+/-0.096 χ^2/NDF: 1517487.8/72



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.890+/-1.645 χ^2/NDF:15.1/19

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.158+/-1.690 χ^2/NDF:30.1/17

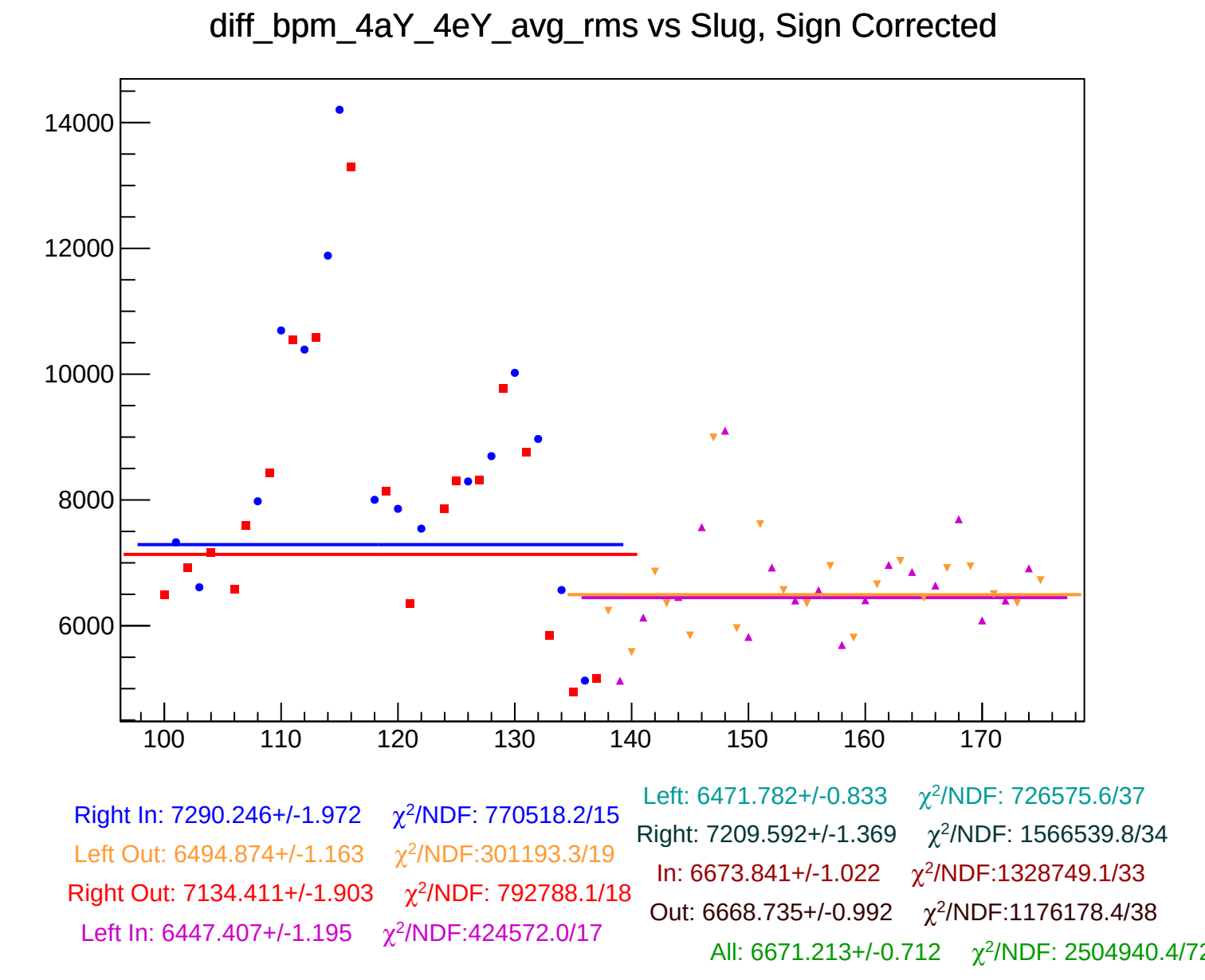
Left: 1.921+/-1.179 χ^2/NDF: 48.2/37

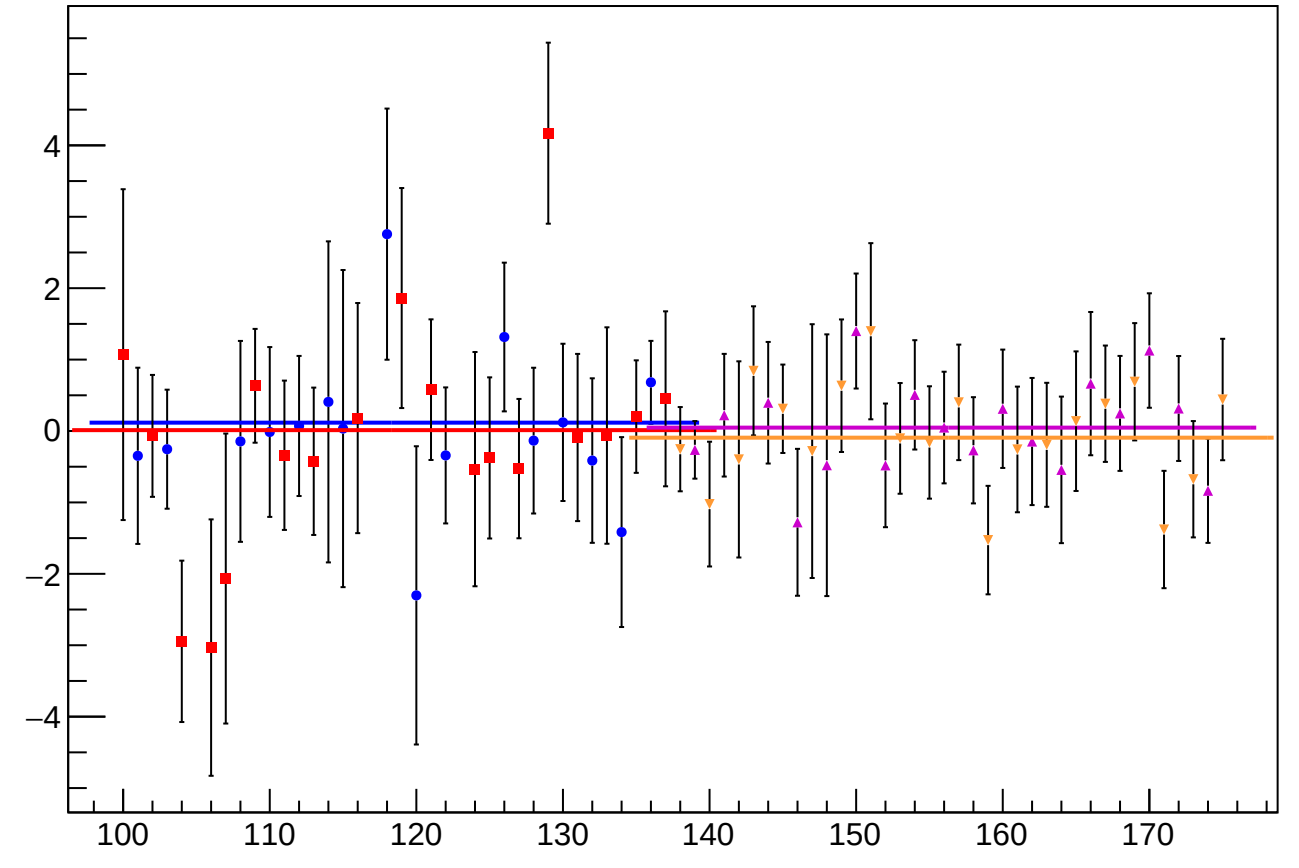
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.836+/-1.445 χ^2/NDF:40.8/33

Out: 1.436+/-1.404 χ^2/NDF:40.6/38

All: 0.333+/-1.007 χ^2/NDF: 82.6/72


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6494.874+/-1.163 χ²/NDF:301193.3/19
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6447.407+/-1.195 χ²/NDF:424572.0/17
Left: 6471.782+/-0.833 χ²/NDF: 726575.6/37
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6673.841+/-1.022 χ²/NDF:1328749.1/33
Out: 6668.735+/-0.992 χ²/NDF:1176178.4/38
All: 6671.213+/-0.712 χ²/NDF: 2504940.4/72



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.093+/-0.188 χ^2/NDF:13.5/19

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.047+/-0.184 χ^2/NDF:10.6/17

Left: -0.021+/-0.131 χ^2/NDF: 24.4/37

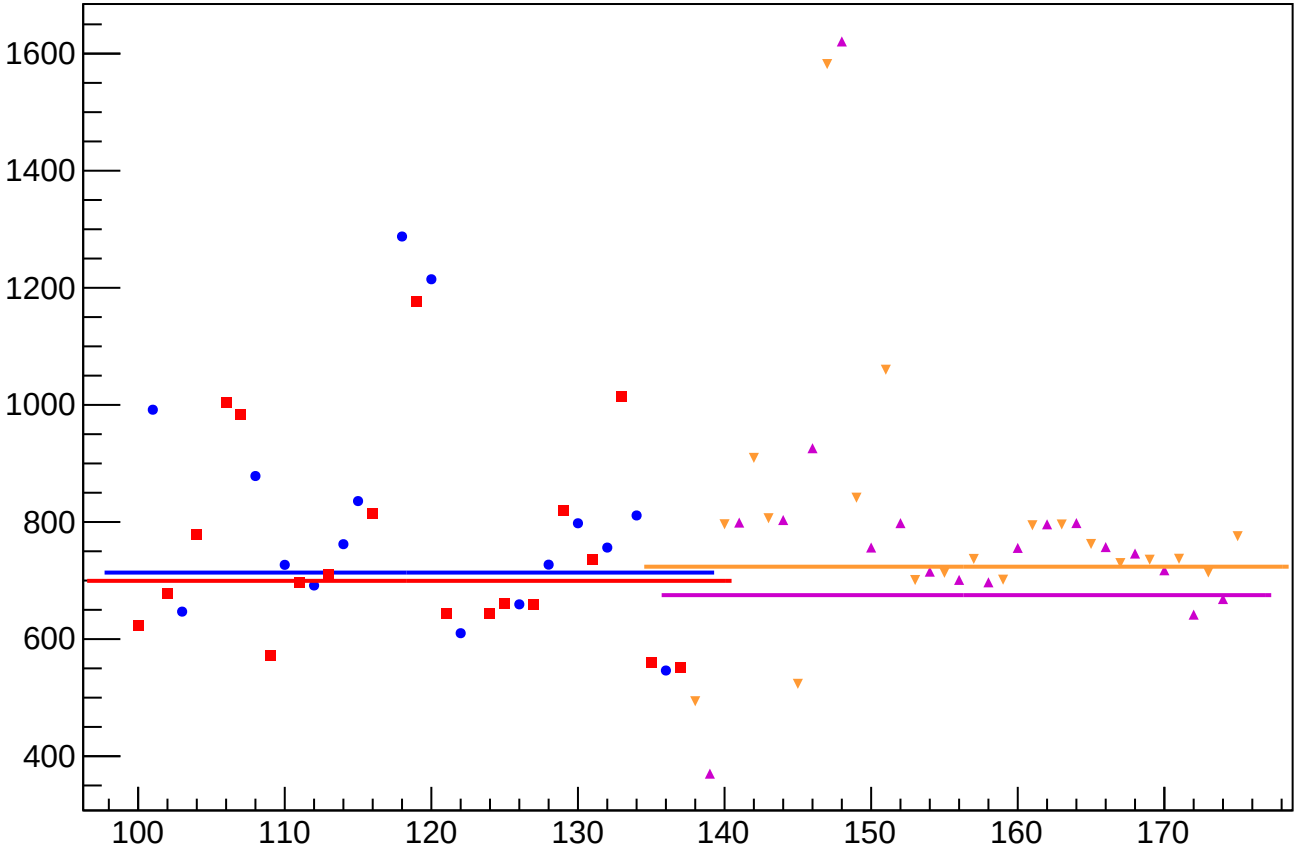
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.069+/-0.152 χ^2/NDF:18.8/33

Out: -0.058+/-0.153 χ^2/NDF:38.8/38

All: 0.006+/-0.108 χ^2/NDF: 57.9/72

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 723.678+/-0.133 χ^2/NDF:1270566.7/19

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 675.091+/-0.130 χ^2/NDF:2075686.2/17

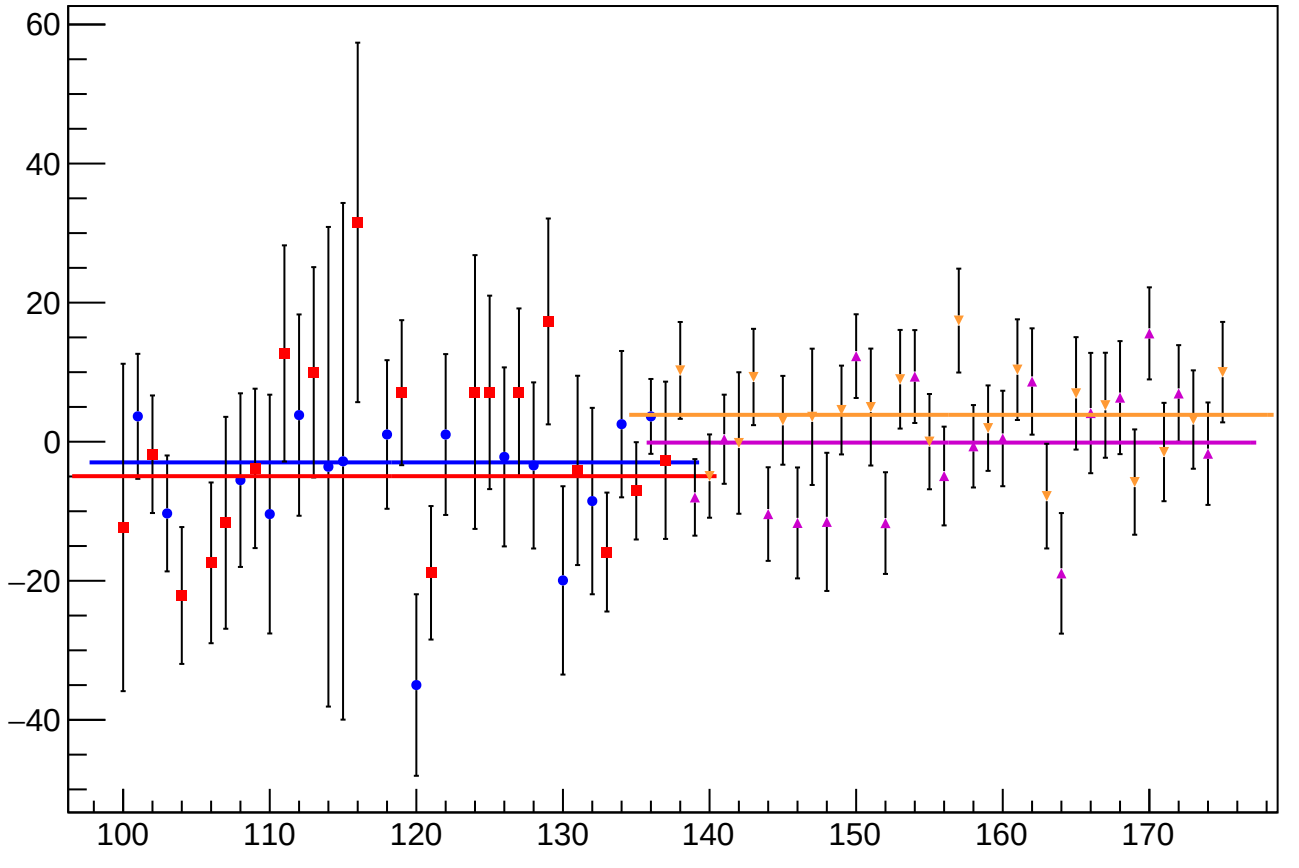
Left: 698.800+/-0.093 χ^2/NDF: 3414551.9/37

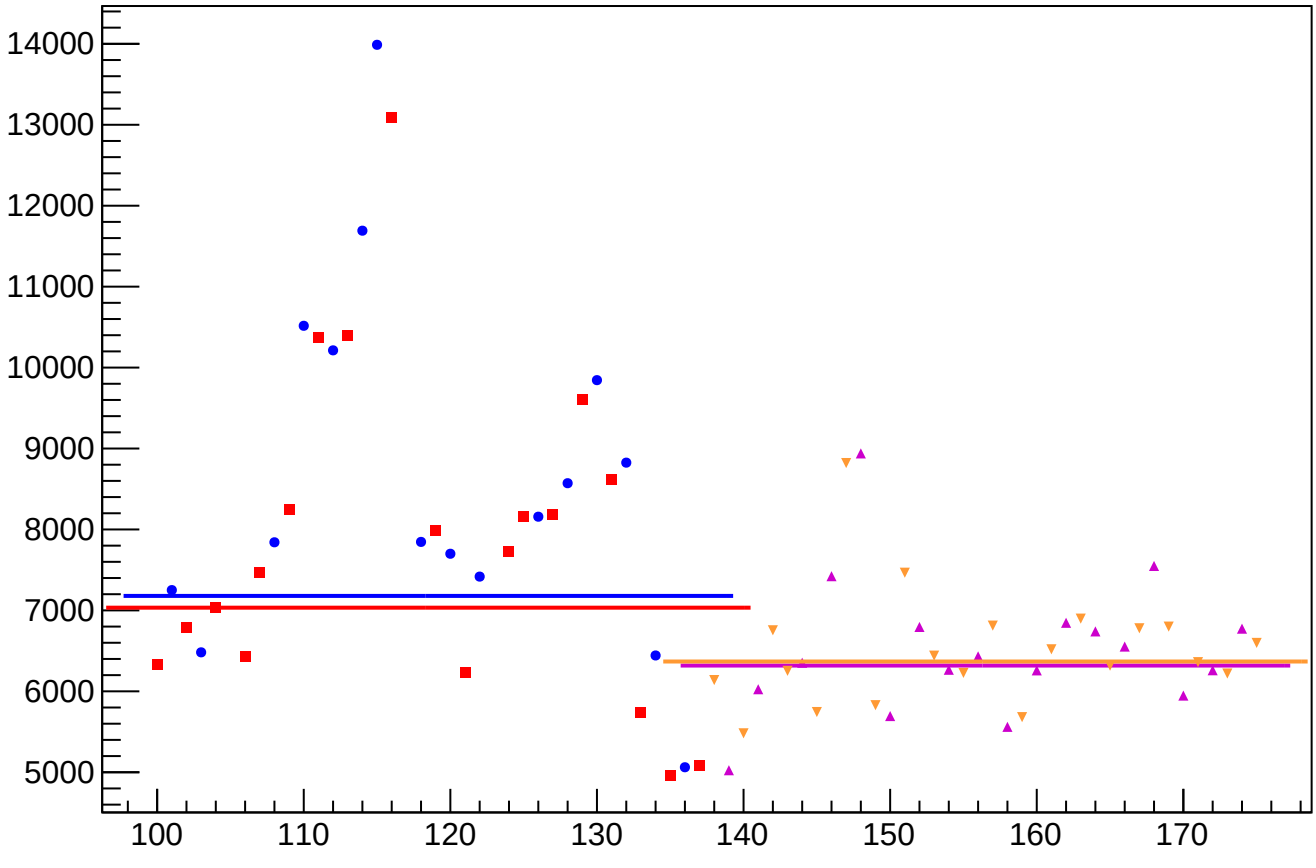
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 687.088+/-0.108 χ^2/NDF:2802402.4/33

Out: 715.503+/-0.108 χ^2/NDF:1857494.2/38

All: 701.236+/-0.076 χ^2/NDF: 4694505.2/72


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 3.866+/-1.613 χ²/NDF:14.4/19
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -0.128+/-1.657 χ²/NDF:30.7/17
Left: 1.922+/-1.156 χ²/NDF: 48.0/37
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -0.887+/-1.418 χ²/NDF:43.0/33
Out: 1.486+/-1.378 χ²/NDF:40.9/38
All: 0.333+/-0.989 χ²/NDF: 85.4/72



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6368.422+/-1.141 χ^2/NDF:301427.3/19

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6318.488+/-1.171 χ^2/NDF:431334.5/17

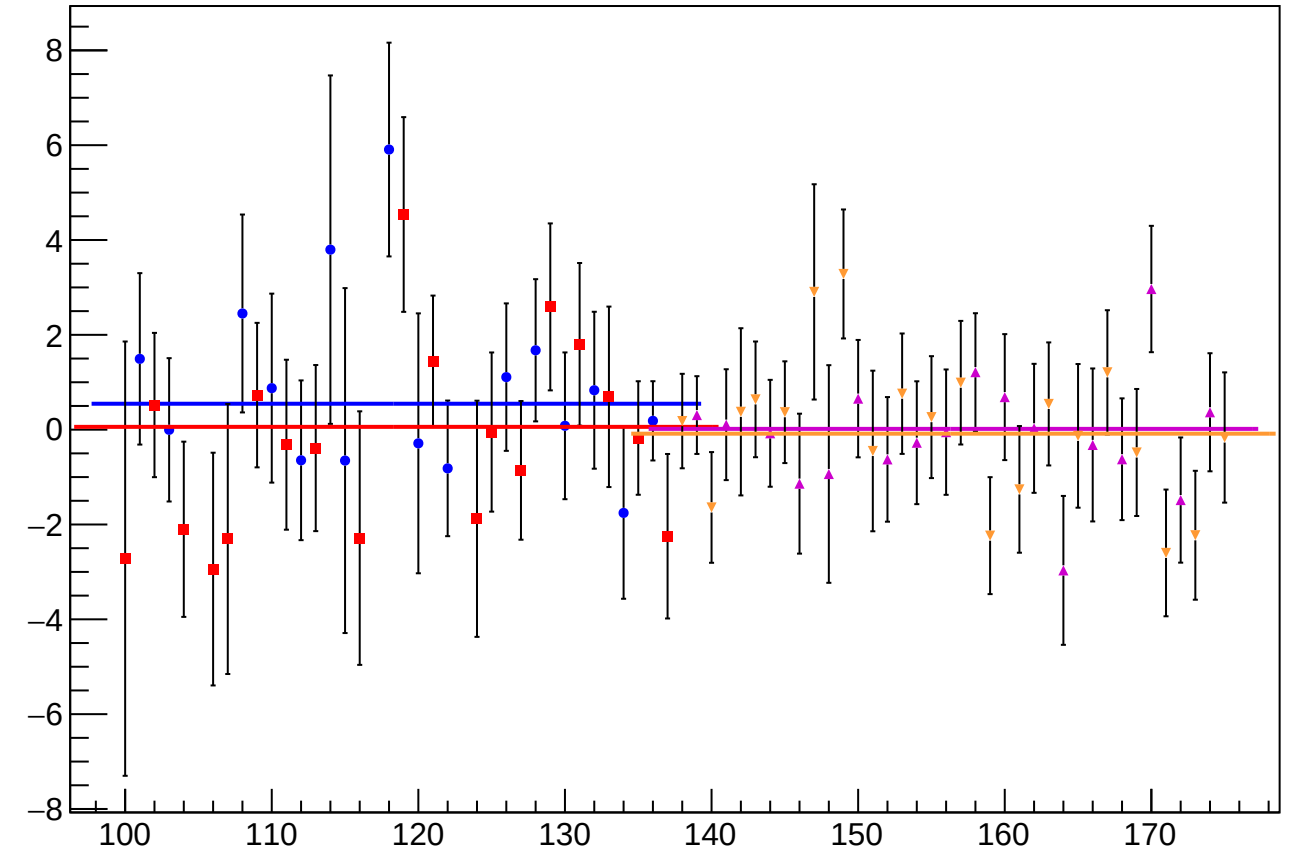
Left: 6344.120+/-0.817 χ^2/NDF: 733694.6/37

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6548.079+/-1.003 χ^2/NDF:1337235.2/33

Out: 6547.917+/-0.975 χ^2/NDF:1159583.6/38

All: 6547.996+/-0.699 χ^2/NDF: 2496818.8/72



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.085+/-0.295 χ^2/NDF:22.7/19

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.017+/-0.302 χ^2/NDF:12.8/17

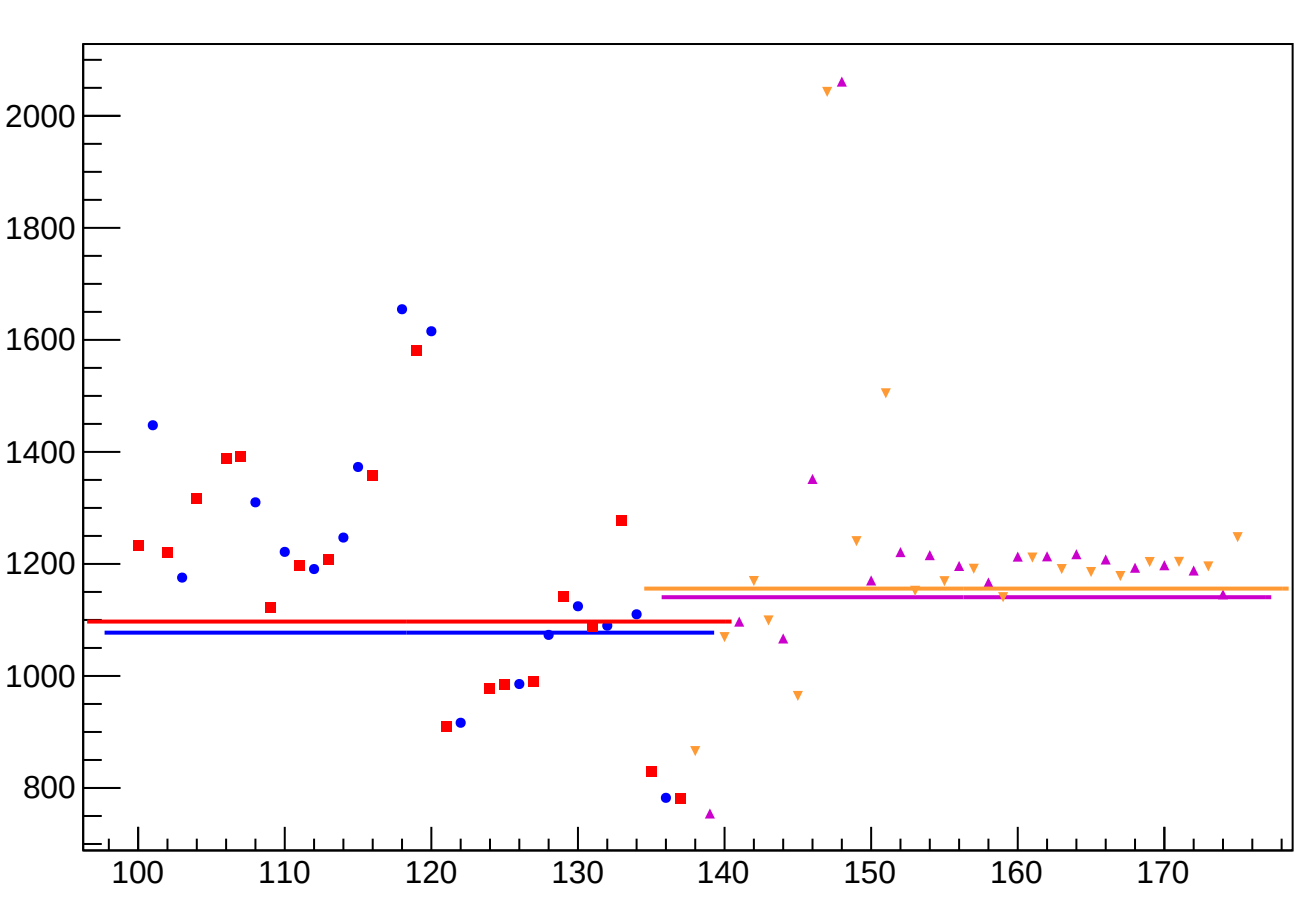
Left: -0.035+/-0.211 χ^2/NDF: 35.6/37

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.202+/-0.243 χ^2/NDF:25.9/33

Out: -0.036+/-0.239 χ^2/NDF:39.6/38

All: 0.081+/-0.170 χ^2/NDF: 66.0/72



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1155.981+/-0.208 χ^2/NDF:670542.9/19

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1140.601+/-0.213 χ^2/NDF:866990.5/17

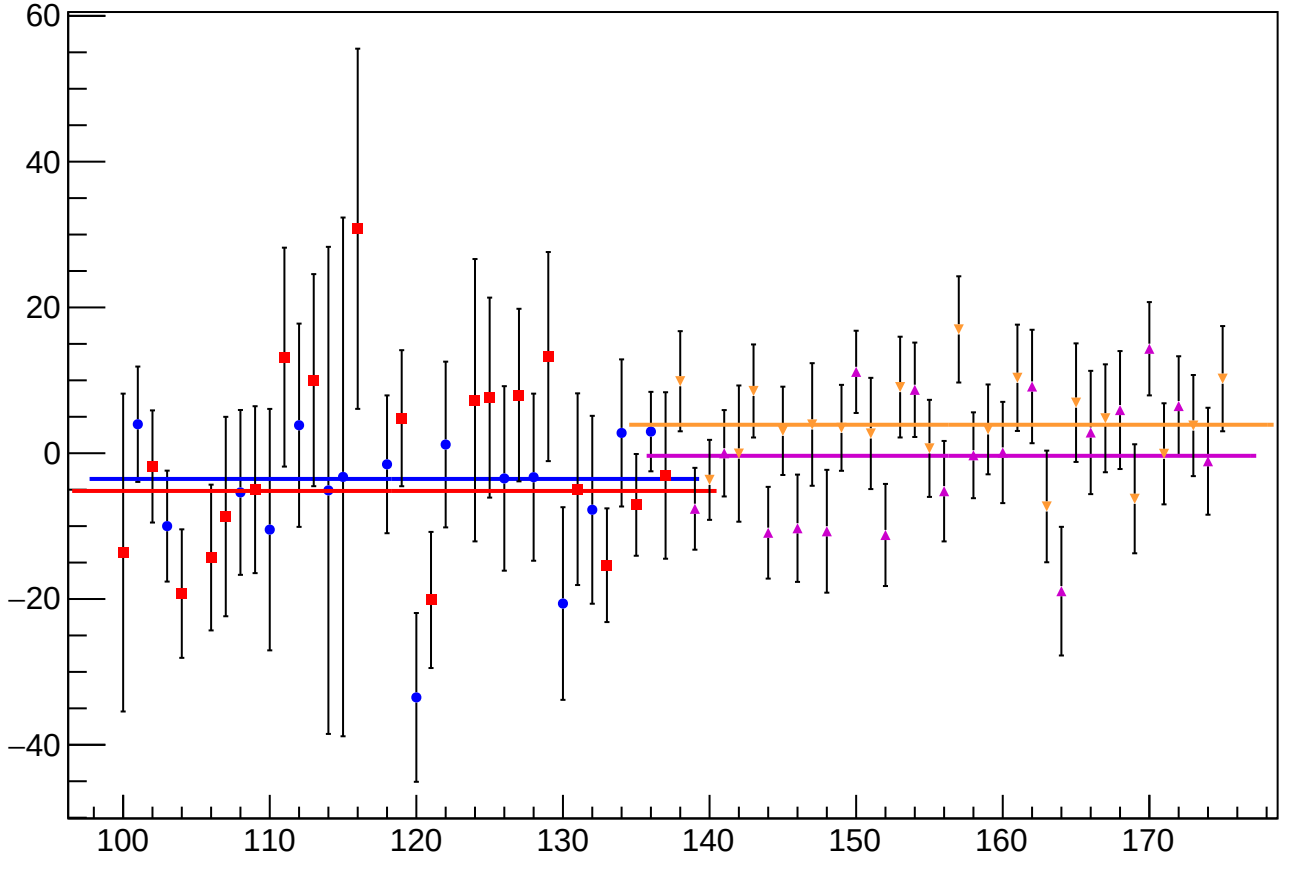
Left: 1148.472+/-0.149 χ^2/NDF: 1540193.5/37

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1118.430+/-0.172 χ^2/NDF:1544349.9/33

Out: 1135.856+/-0.169 χ^2/NDF:1182208.0/38

All: 1127.292+/-0.121 χ^2/NDF: 2731780.9/72



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.907+/-1.554 χ^2/NDF:13.5/19

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.354+/-1.607 χ^2/NDF:29.8/17

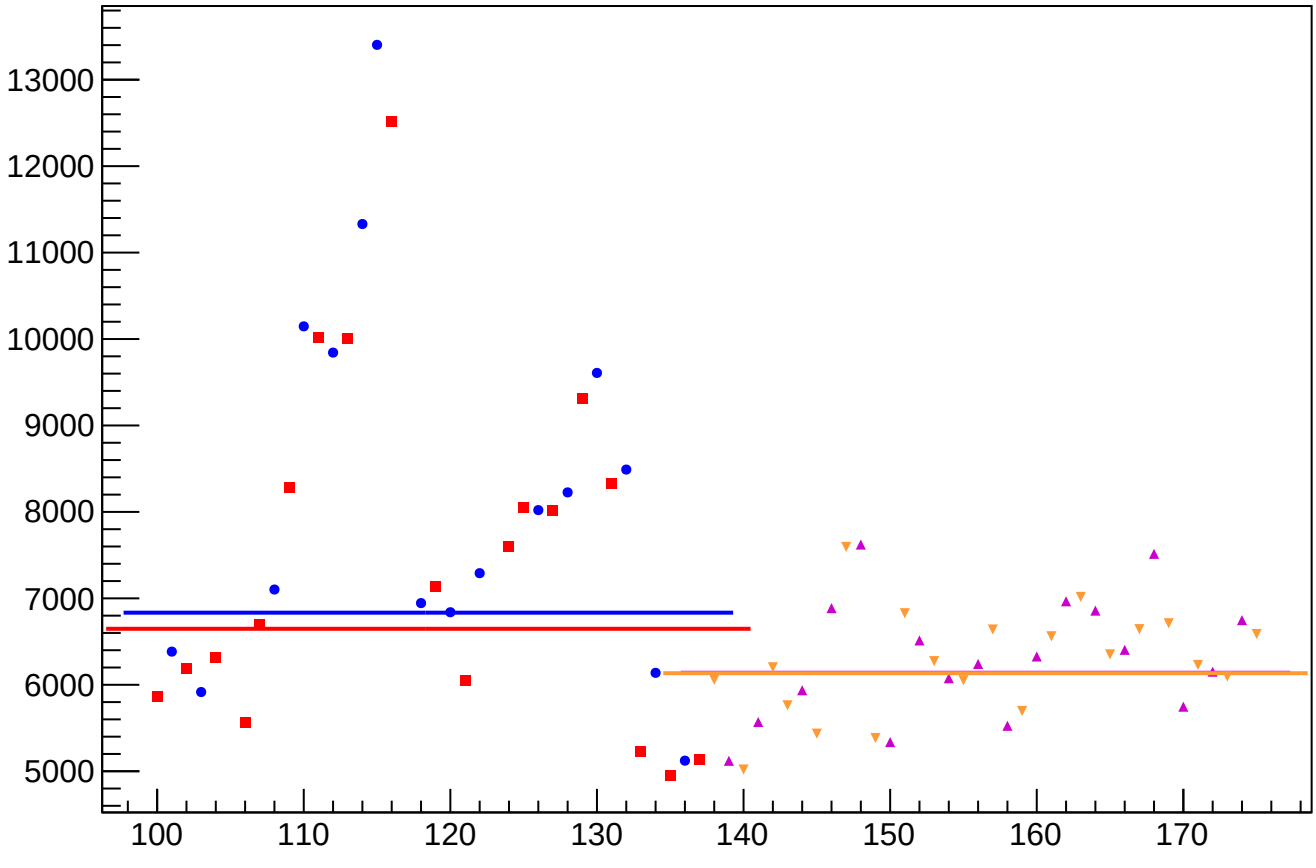
Left: 1.848+/-1.117 χ^2/NDF: 46.9/37

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.227+/-1.368 χ^2/NDF:43.5/33

Out: 1.388+/-1.321 χ^2/NDF:41.1/38

All: 0.126+/-0.950 χ^2/NDF: 86.5/72



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6134.153+/-1.099 χ^2/NDF:310818.4/19

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6139.288+/-1.136 χ^2/NDF:355792.9/17

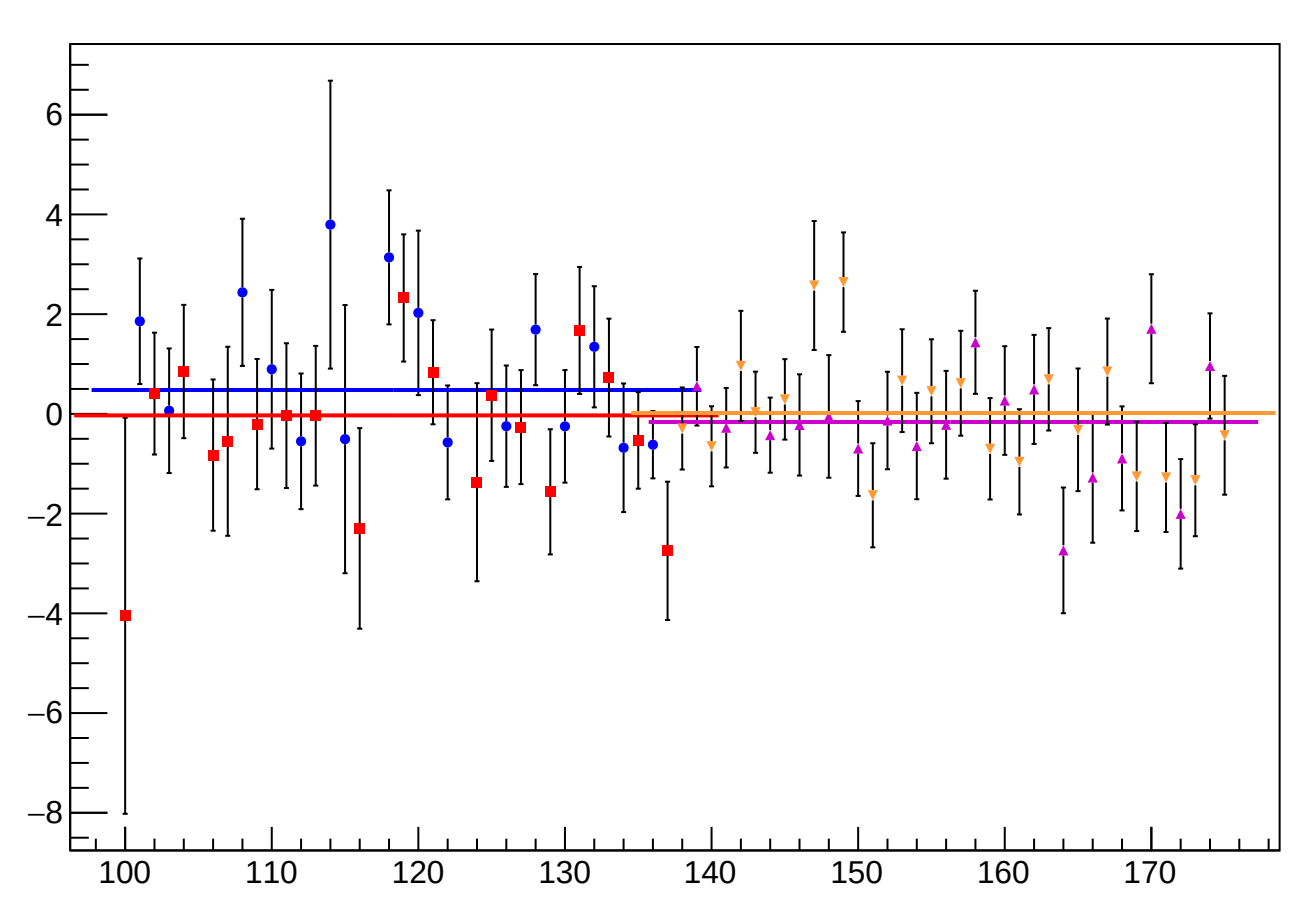
Left: 6136.634+/-0.790 χ^2/NDF: 666621.9/37

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6330.519+/-0.967 χ^2/NDF:1151475.1/33

Out: 6276.664+/-0.934 χ^2/NDF:1156592.3/38

All: 6302.645+/-0.672 χ^2/NDF: 2309671.6/72



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.017+/-0.225 χ^2/NDF:22.7/19

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.162+/-0.237 χ^2/NDF:16.7/17

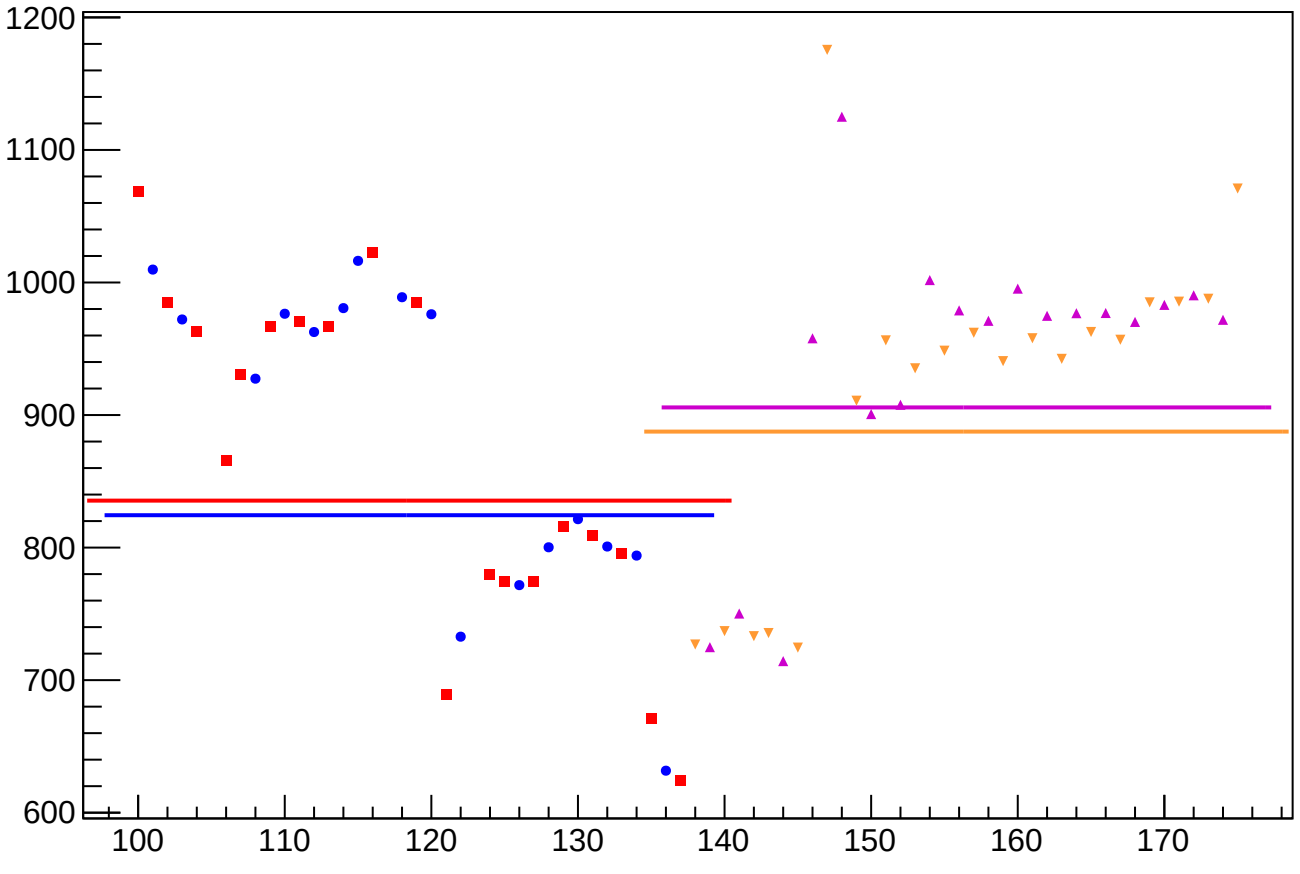
Left: -0.068+/-0.163 χ^2/NDF: 39.7/37

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.074+/-0.189 χ^2/NDF:36.1/33

Out: 0.001+/-0.182 χ^2/NDF:38.5/38

All: 0.036+/-0.131 χ^2/NDF: 74.6/72



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 887.514+/-0.159 χ^2/NDF:598345.7/19

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 905.752+/-0.168 χ^2/NDF:484270.0/17

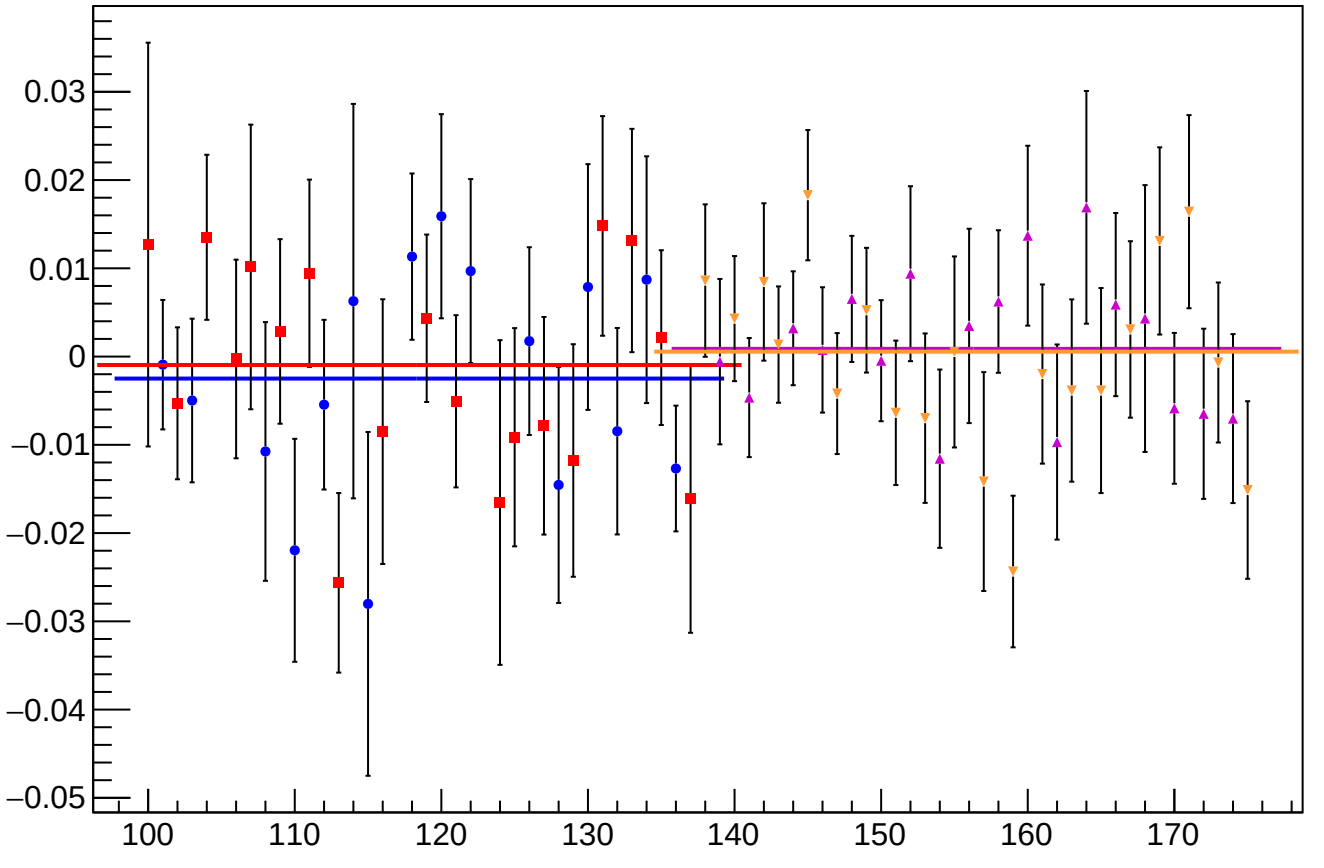
Left: 896.162+/-0.115 χ^2/NDF: 1088833.4/37

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

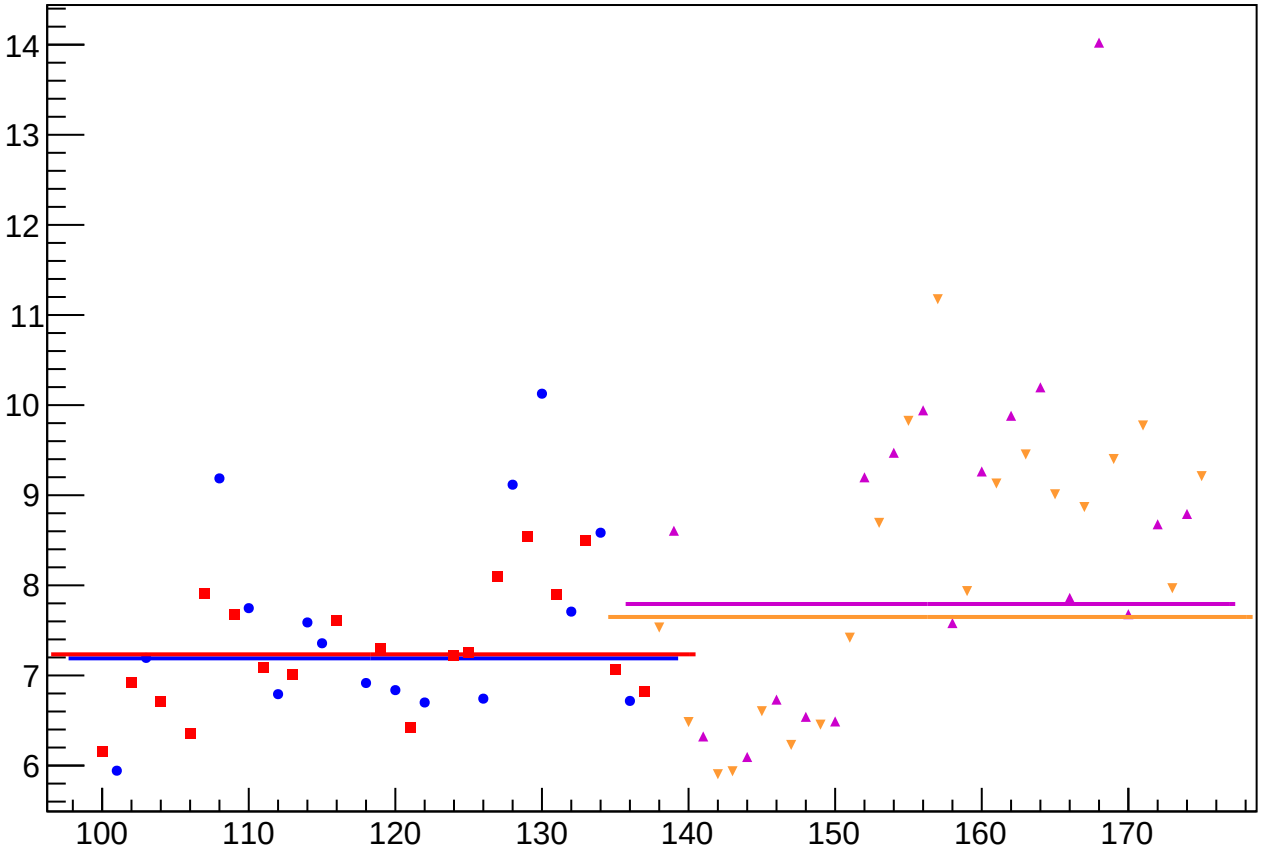
In: 875.822+/-0.133 χ^2/NDF:936263.0/33

Out: 869.408+/-0.129 χ^2/NDF:954814.2/38

All: 872.500+/-0.093 χ^2/NDF: 1892275.7/72


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: -0.002+/-0.003 χ²/NDF: 15.3/15
Left Out: 0.001+/-0.002 χ²/NDF:26.2/19
Right Out: -0.001+/-0.003 χ²/NDF: 17.3/18
Left In: 0.001+/-0.002 χ²/NDF:10.4/17
Left: 0.001+/-0.001 χ²/NDF: 36.6/37
Right: -0.002+/-0.002 χ²/NDF: 32.8/34
In: -0.000+/-0.002 χ²/NDF:26.7/33
Out: 0.000+/-0.002 χ²/NDF:43.7/38
All: -0.000+/-0.001 χ²/NDF: 70.4/72

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.649+/-0.001 χ^2/NDF:1060948.6/19

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.793+/-0.001 χ^2/NDF:1158164.5/17

Left: 7.717+/-0.001 χ^2/NDF: 2224211.5/37

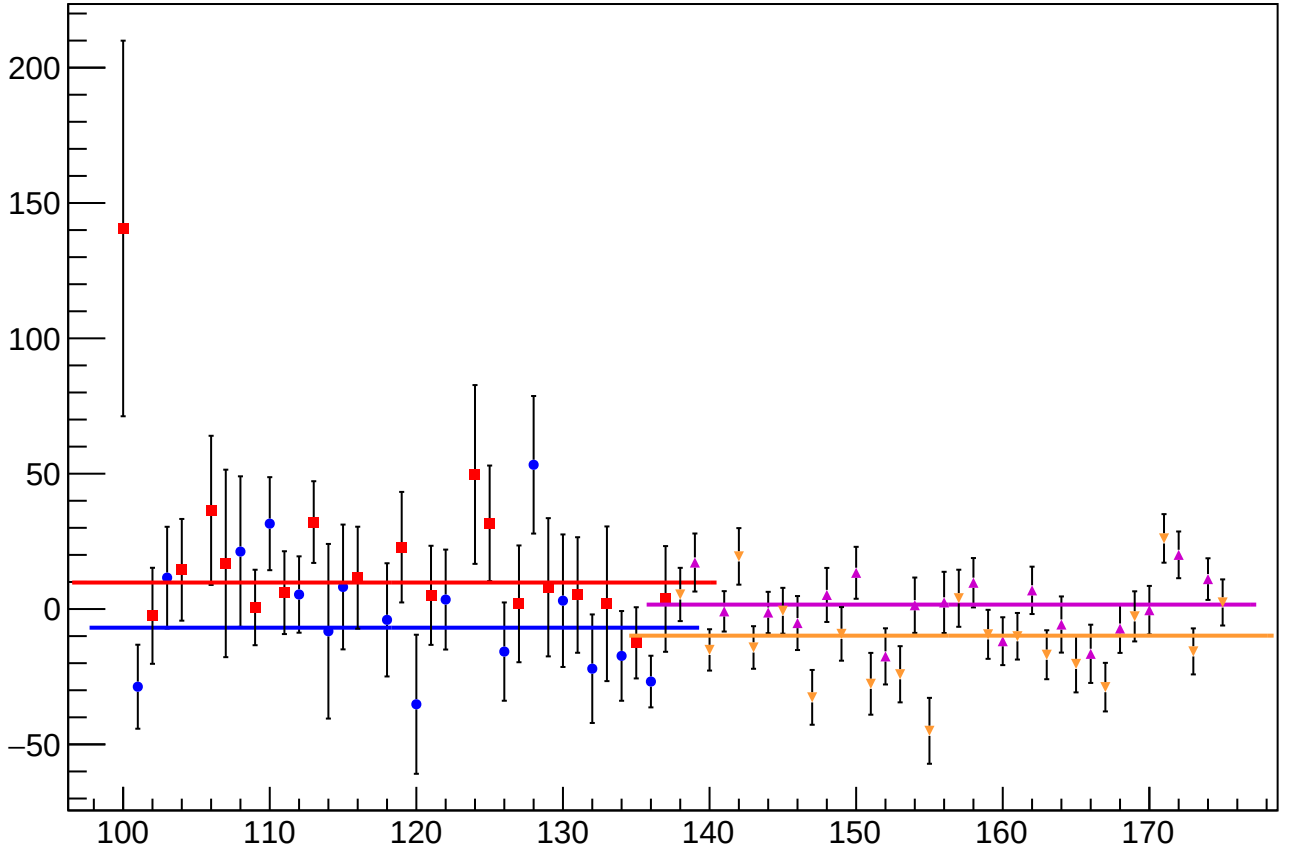
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.571+/-0.001 χ^2/NDF:1498500.9/33

Out: 7.502+/-0.001 χ^2/NDF:1198653.7/38

All: 7.535+/-0.001 χ^2/NDF: 2698968.9/72

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.834+/-2.083 χ^2/NDF:56.9/19

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.638+/-2.170 χ^2/NDF:21.8/17

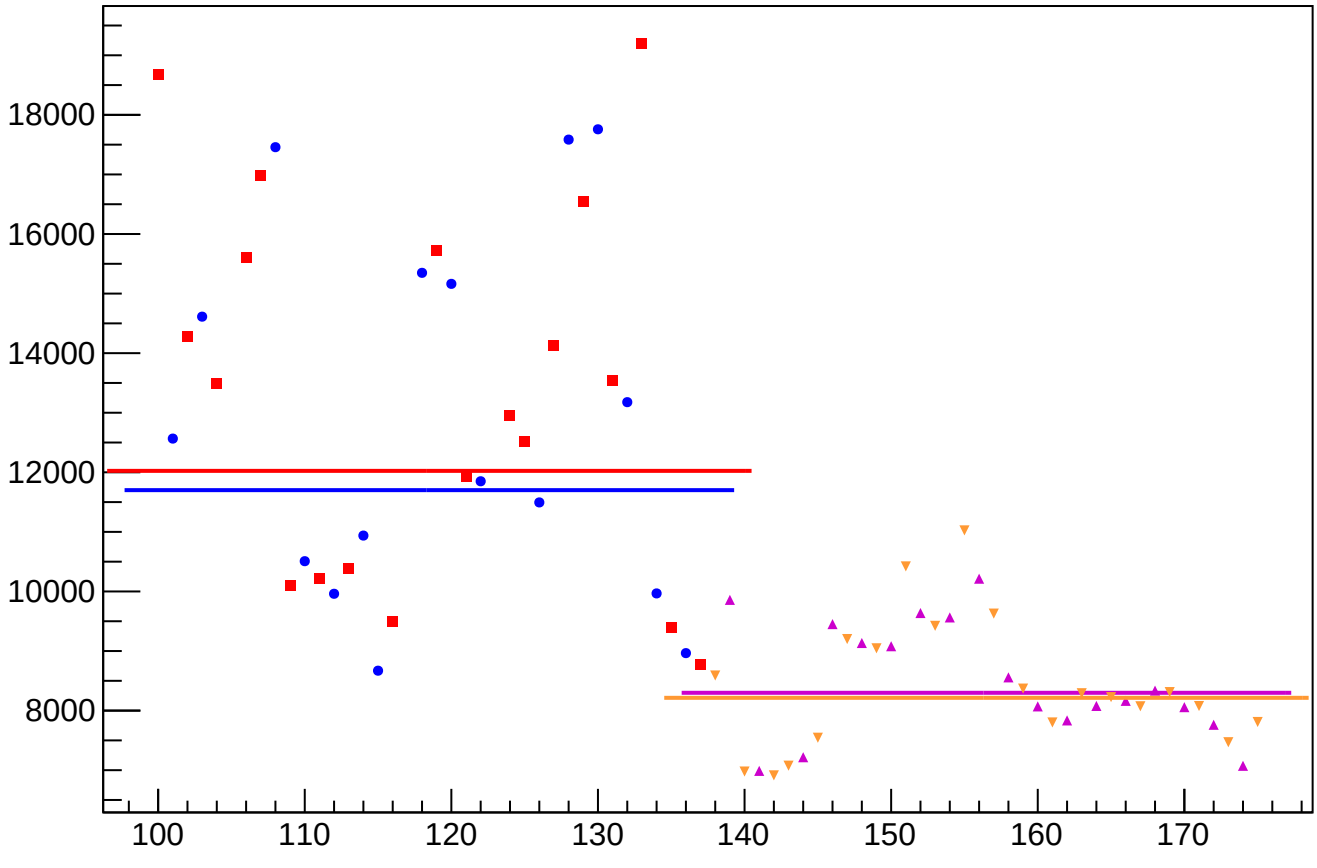
Left: -4.332+/-1.503 χ^2/NDF: 93.2/37

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.023+/-1.953 χ^2/NDF:47.7/33

Out: -6.394+/-1.891 χ^2/NDF:86.5/38

All: -3.289+/-1.359 χ^2/NDF: 139.8/72



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8214.536+/-1.473 χ^2/NDF:444737.5/19

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8298.917+/-1.534 χ^2/NDF:389326.0/17

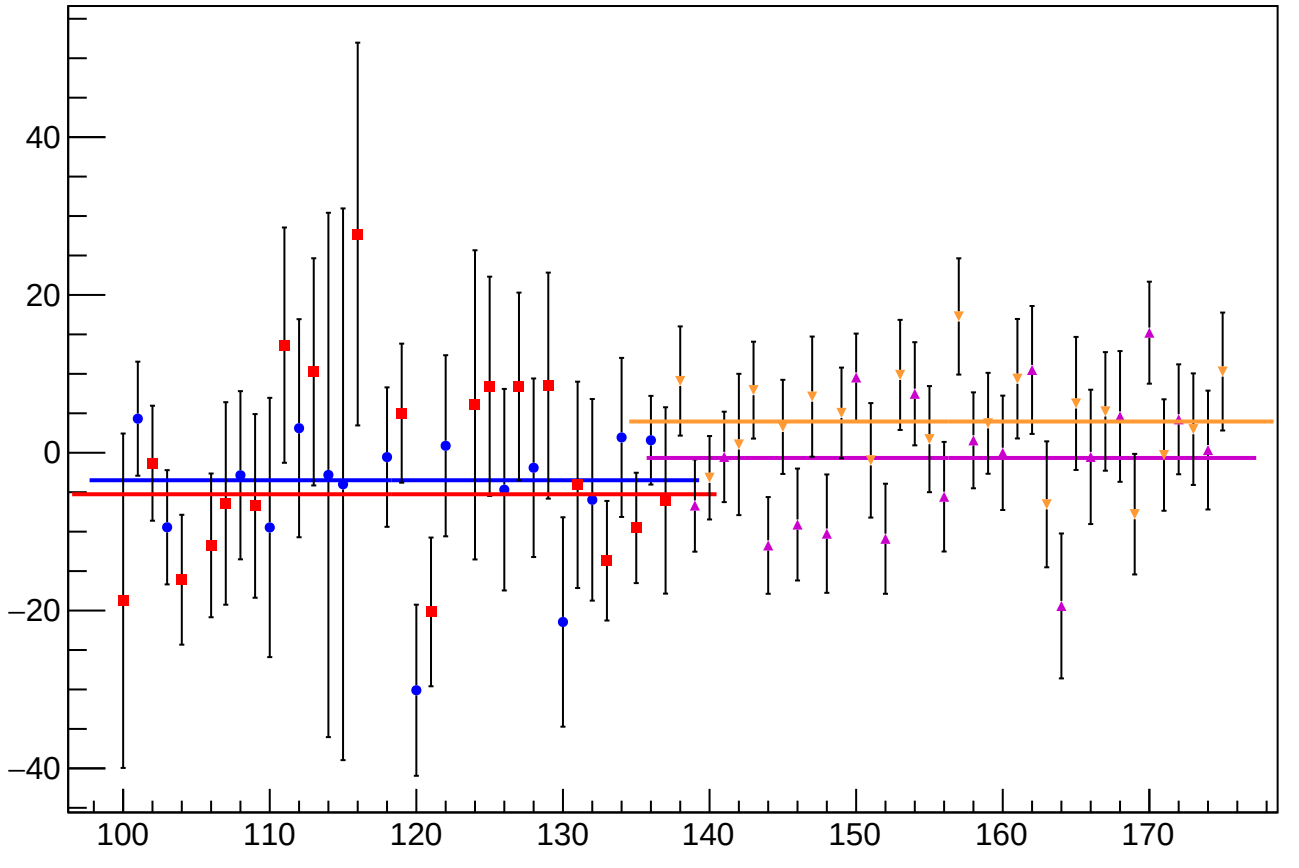
Left: 8255.004+/-1.062 χ^2/NDF: 835637.8/37

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8943.238+/-1.381 χ^2/NDF:2060730.1/33

Out: 8882.436+/-1.337 χ^2/NDF:2302629.1/38

All: 8911.858+/-0.961 χ^2/NDF: 4364359.3/72



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.959+/-1.551 χ^2/NDF:13.5/19

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.659+/-1.612 χ^2/NDF:28.1/17

Left: 1.740+/-1.118 χ^2/NDF: 45.9/37

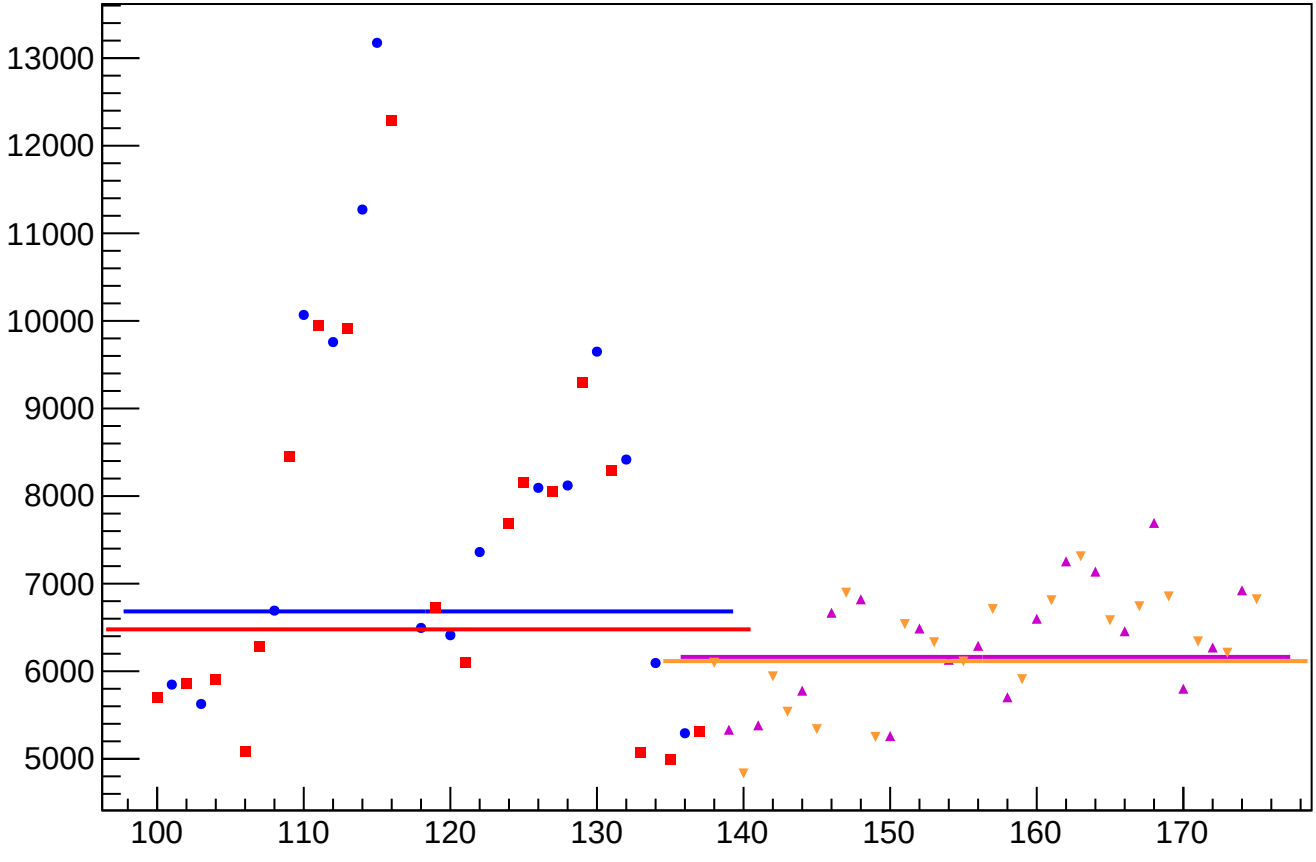
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.466+/-1.363 χ^2/NDF:40.5/33

Out: 1.317+/-1.310 χ^2/NDF:40.2/38

All: -0.020+/-0.944 χ^2/NDF: 82.9/72

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6115.853+/-1.097 χ^2/NDF:381055.1/19

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6163.698+/-1.140 χ^2/NDF:344059.5/17

Left: 6138.846+/-0.790 χ^2/NDF: 726029.6/37

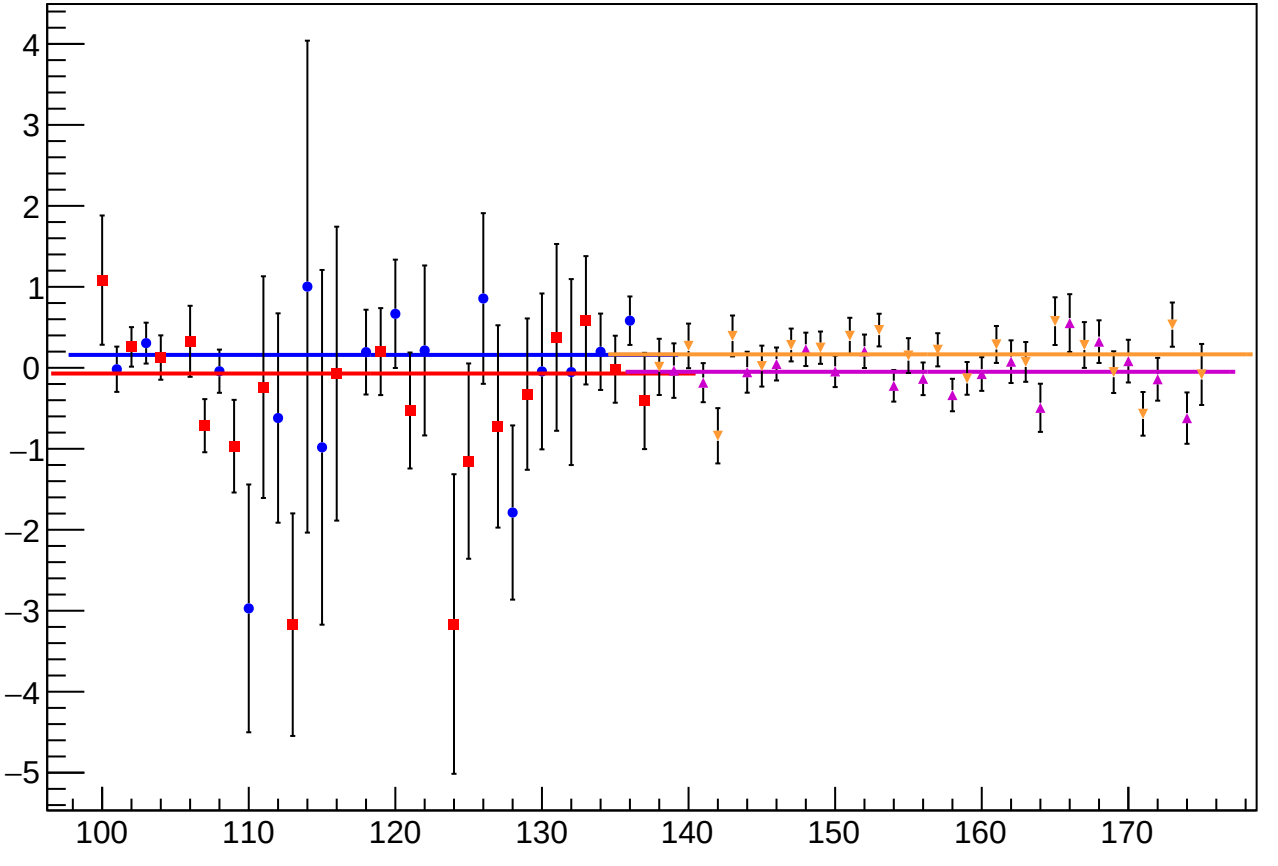
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6312.017+/-0.964 χ^2/NDF:1095528.1/33

Out: 6219.694+/-0.926 χ^2/NDF:1251570.2/38

All: 6264.029+/-0.668 χ^2/NDF: 2351870.6/72

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.166+/-0.055 χ^2/NDF:29.1/19

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.049+/-0.055 χ^2/NDF:17.8/17

Left: 0.060+/-0.039 χ^2/NDF: 54.6/37

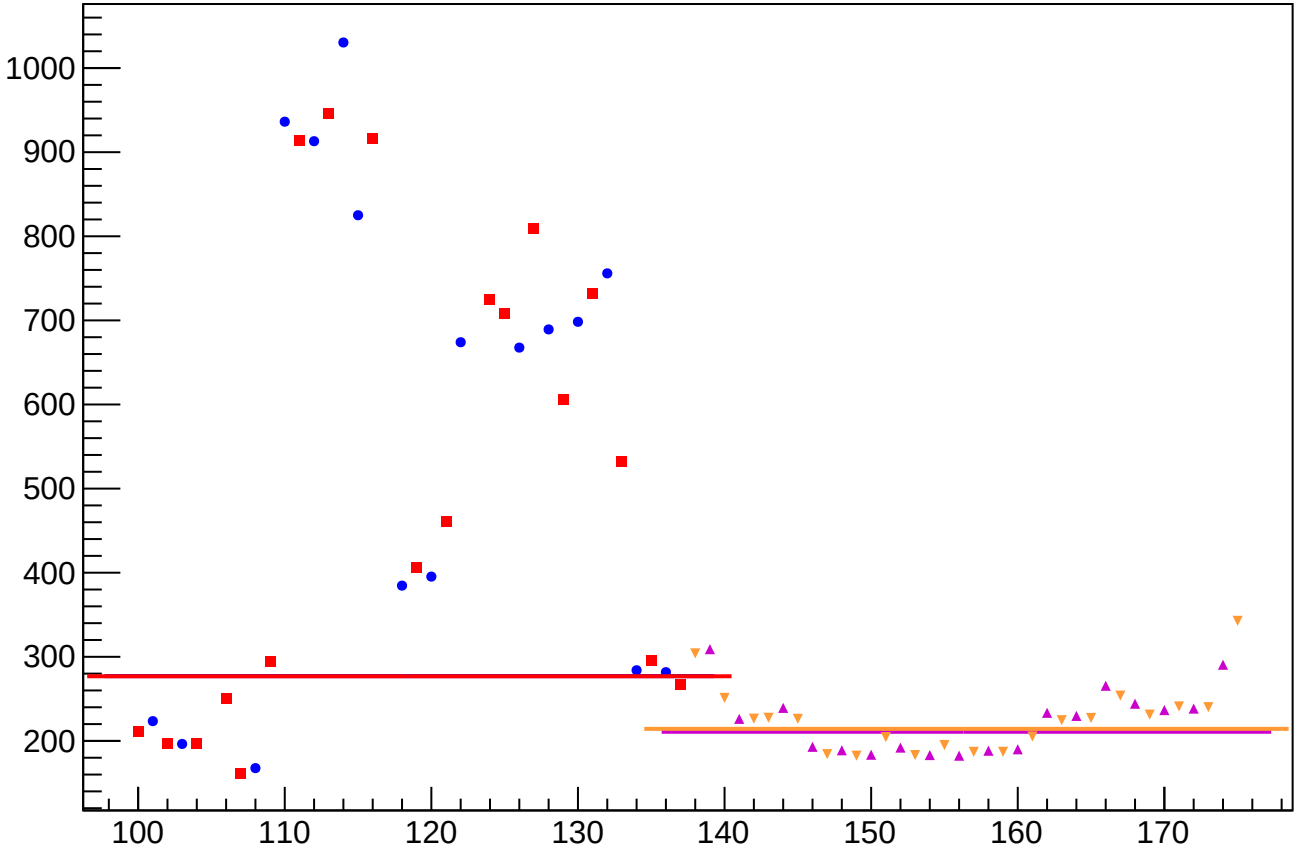
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.012+/-0.050 χ^2/NDF:32.9/33

Out: 0.126+/-0.050 χ^2/NDF:54.8/38

All: 0.058+/-0.035 χ^2/NDF: 91.5/72

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.345+/-0.039 χ^2/NDF:744342.3/19

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 210.869+/-0.039 χ^2/NDF:692703.2/17

Left: 212.633+/-0.028 χ^2/NDF: 1441027.8/37

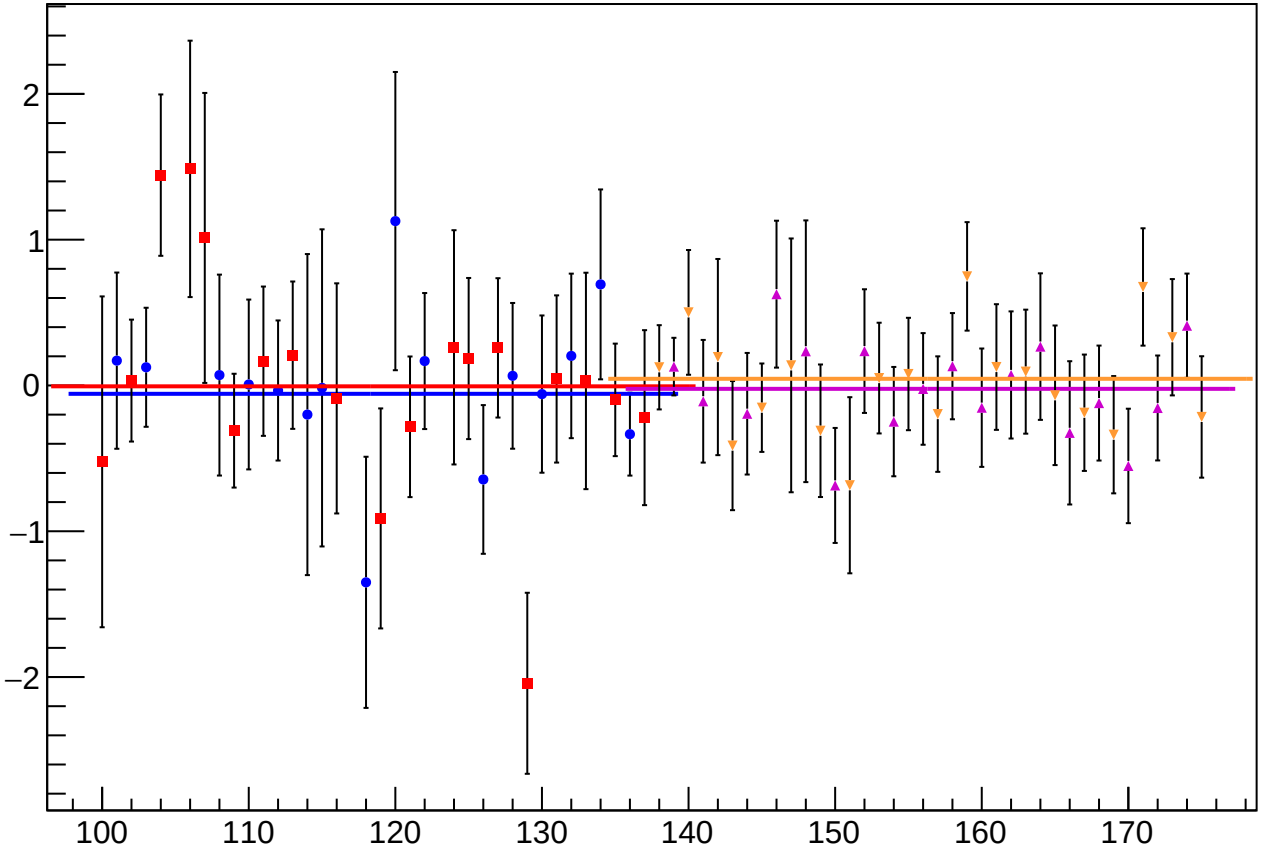
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 222.591+/-0.036 χ^2/NDF:4646776.2/33

Out: 225.135+/-0.035 χ^2/NDF:4767430.7/38

All: 223.878+/-0.025 χ^2/NDF: 9416792.7/72

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.046+/-0.092 χ^2/NDF:13.5/19

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.023+/-0.090 χ^2/NDF:10.6/17

Left: 0.010+/-0.064 χ^2/NDF: 24.4/37

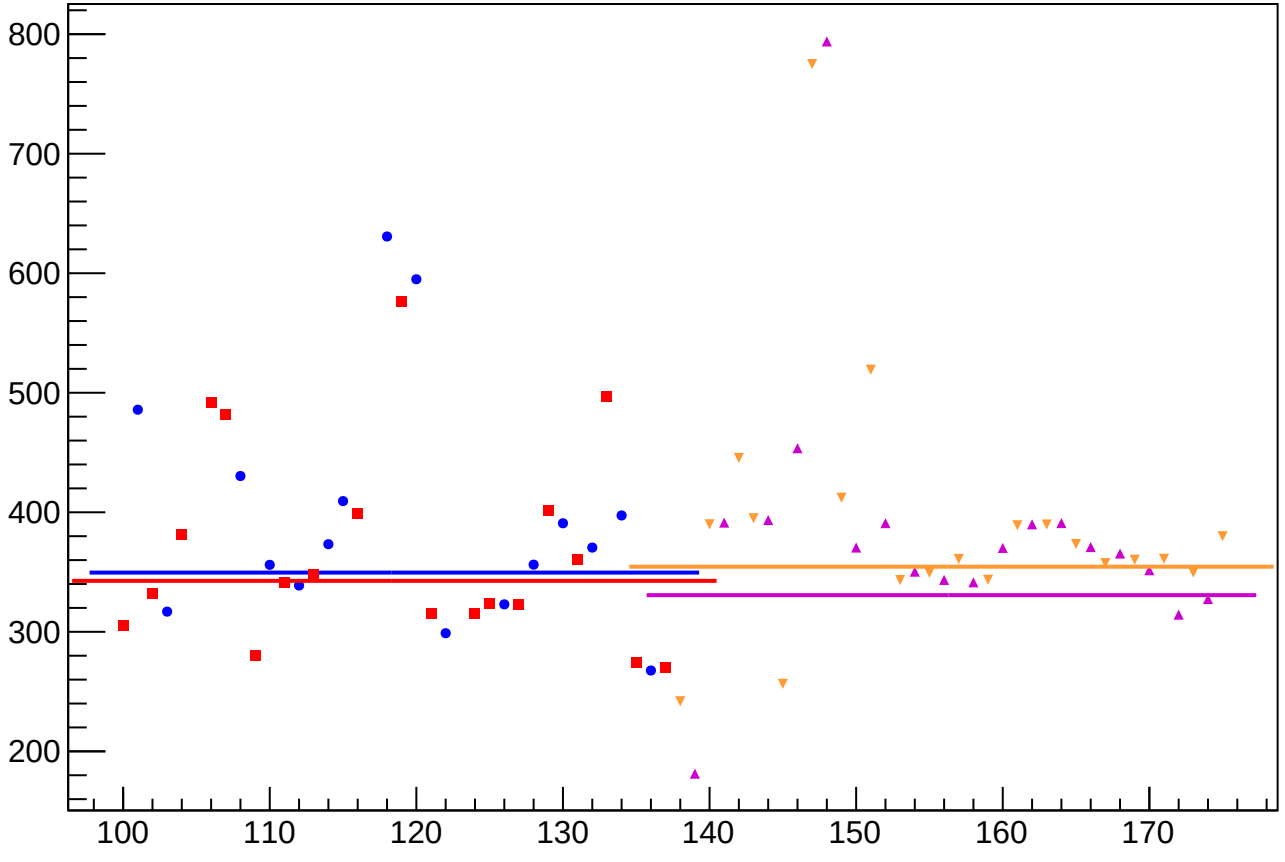
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.034+/-0.075 χ^2/NDF:18.8/33

Out: 0.028+/-0.075 χ^2/NDF:38.8/38

All: -0.003+/-0.053 χ^2/NDF: 57.9/72

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 354.484+/-0.065 χ^2/NDF:1270566.7/19

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 330.684+/-0.064 χ^2/NDF:2075686.2/17

Left: 342.297+/-0.046 χ^2/NDF: 3414551.9/37

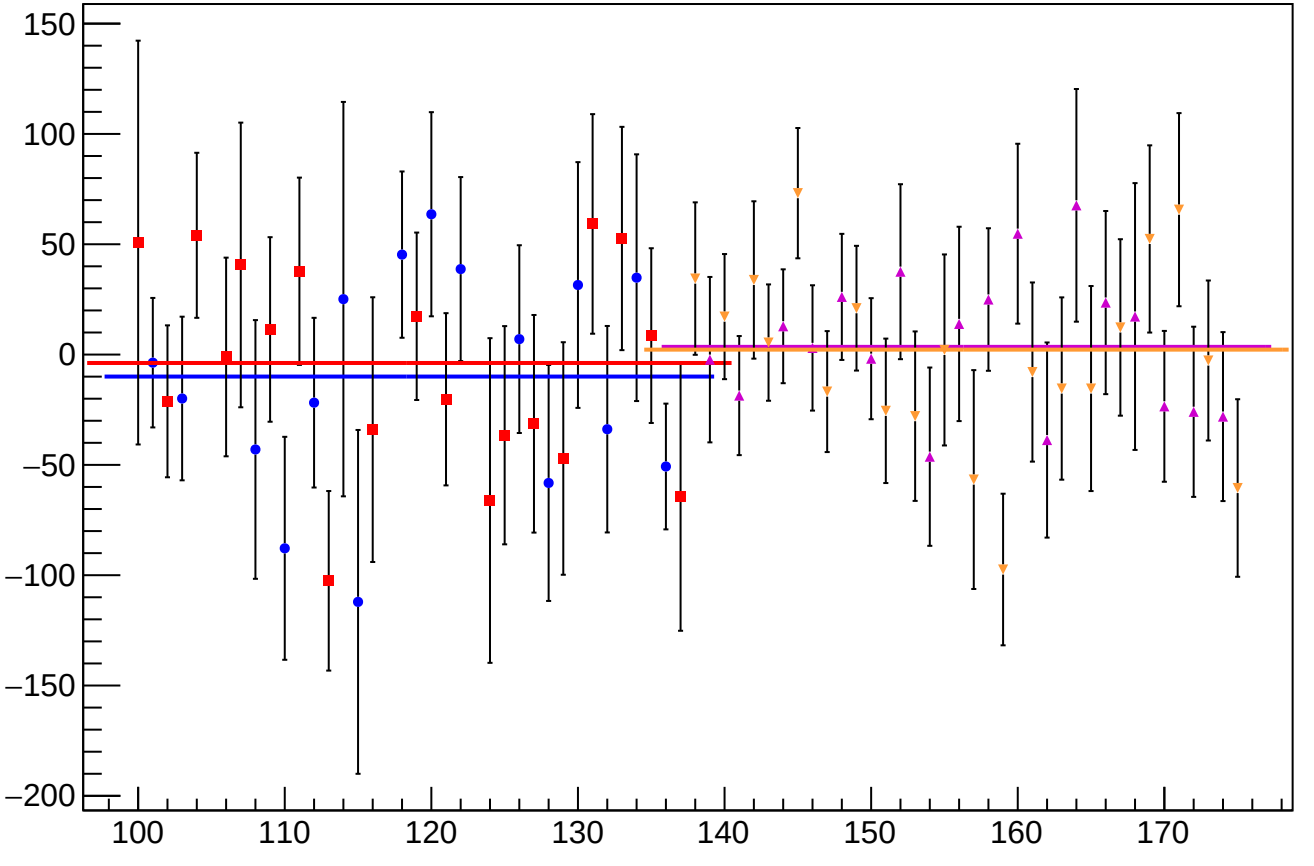
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 336.561+/-0.053 χ^2/NDF:2802402.4/33

Out: 350.479+/-0.053 χ^2/NDF:1857494.2/38

All: 343.490+/-0.037 χ^2/NDF: 4694505.2/72

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.494+/-8.265 χ^2/NDF:10.4/17

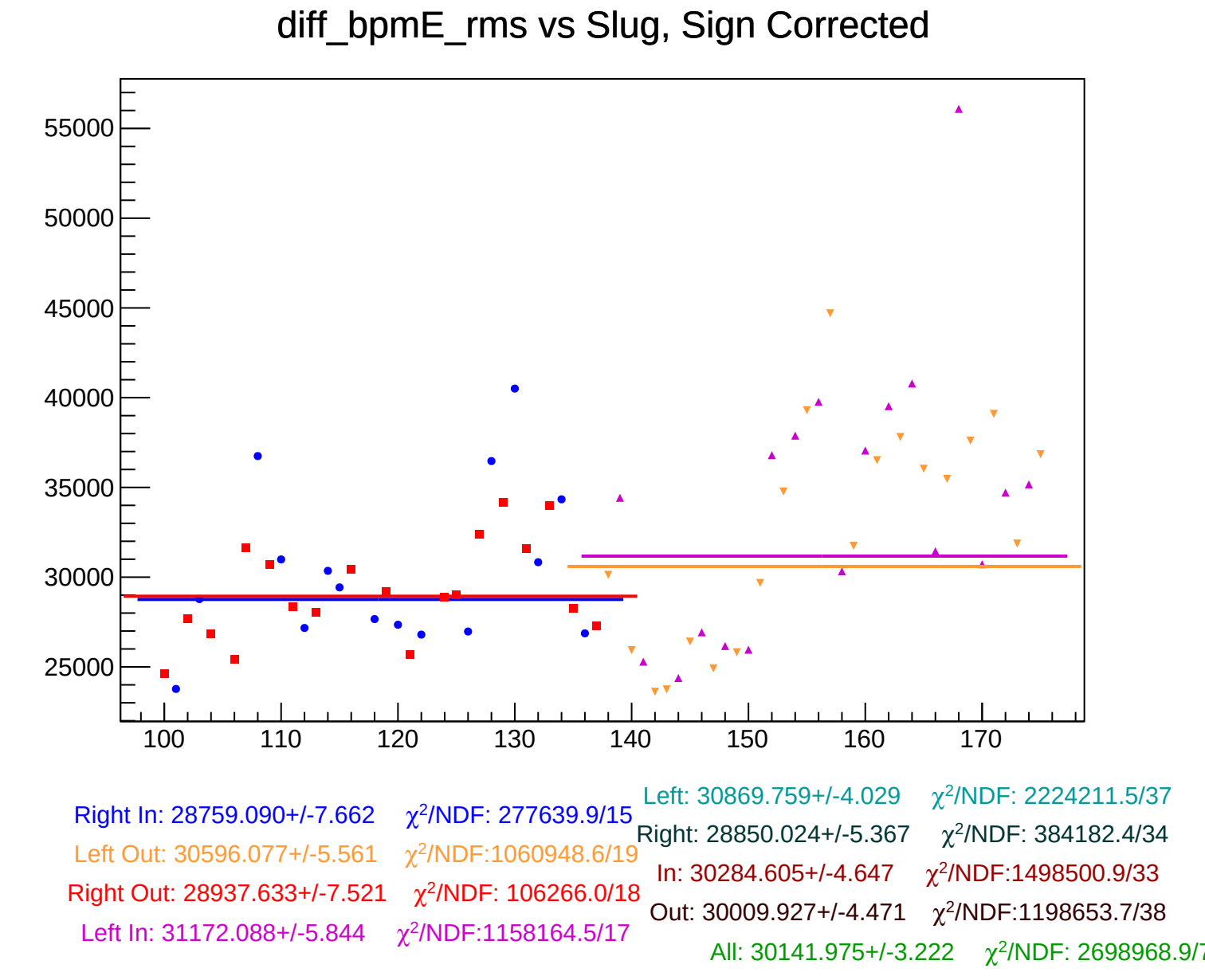
Left: 2.832+/-5.697 χ^2/NDF: 36.6/37

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

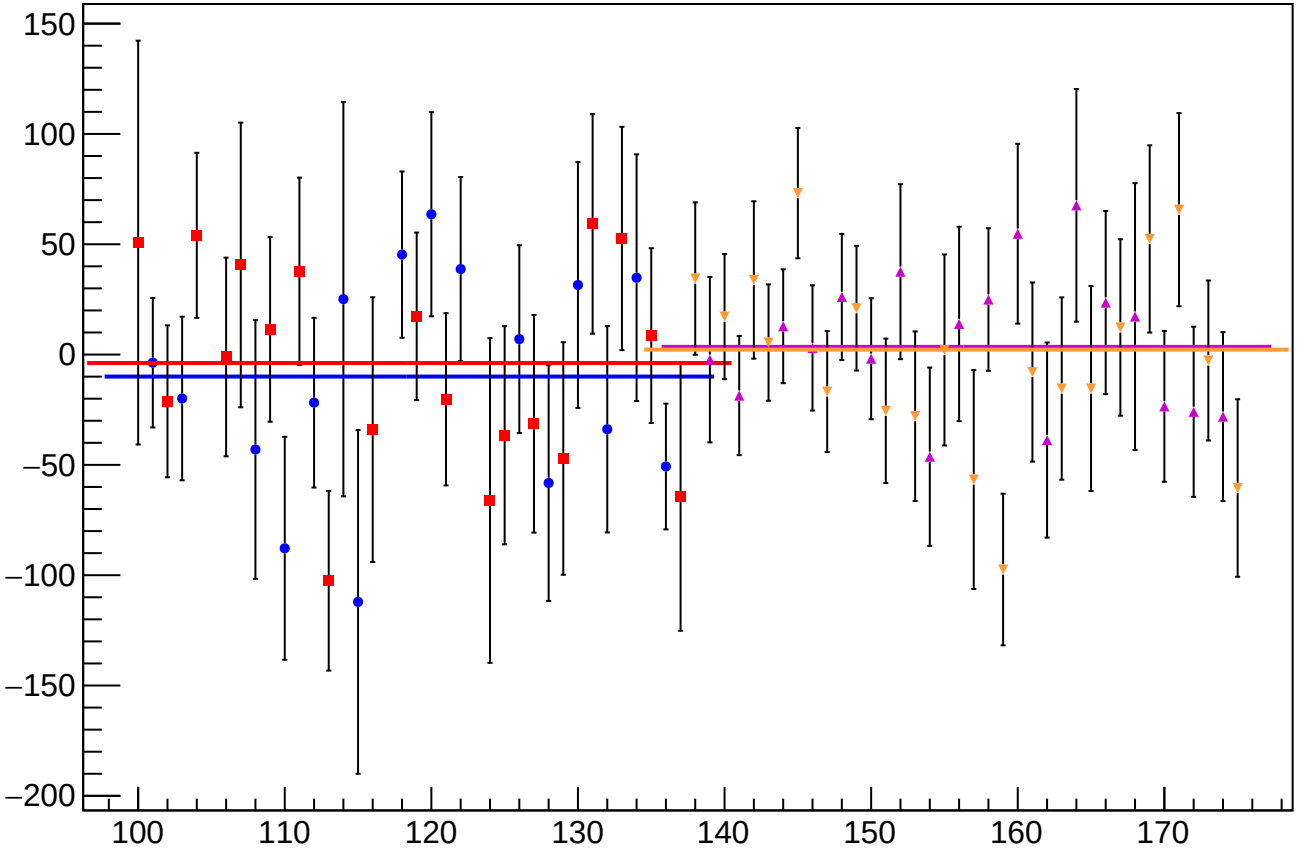
In: -1.457+/-6.572 χ^2/NDF:26.7/33

Out: 0.096+/-6.323 χ^2/NDF:43.7/38

All: -0.651+/-4.557 χ^2/NDF: 70.4/72


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
Left: 30869.759+/-4.029 χ²/NDF: 2224211.5/37
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30284.605+/-4.647 χ²/NDF:1498500.9/33
Out: 30009.927+/-4.471 χ²/NDF:1198653.7/38
All: 30141.975+/-3.222 χ²/NDF: 2698968.9/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.494+/-8.265 χ^2/NDF:10.4/17

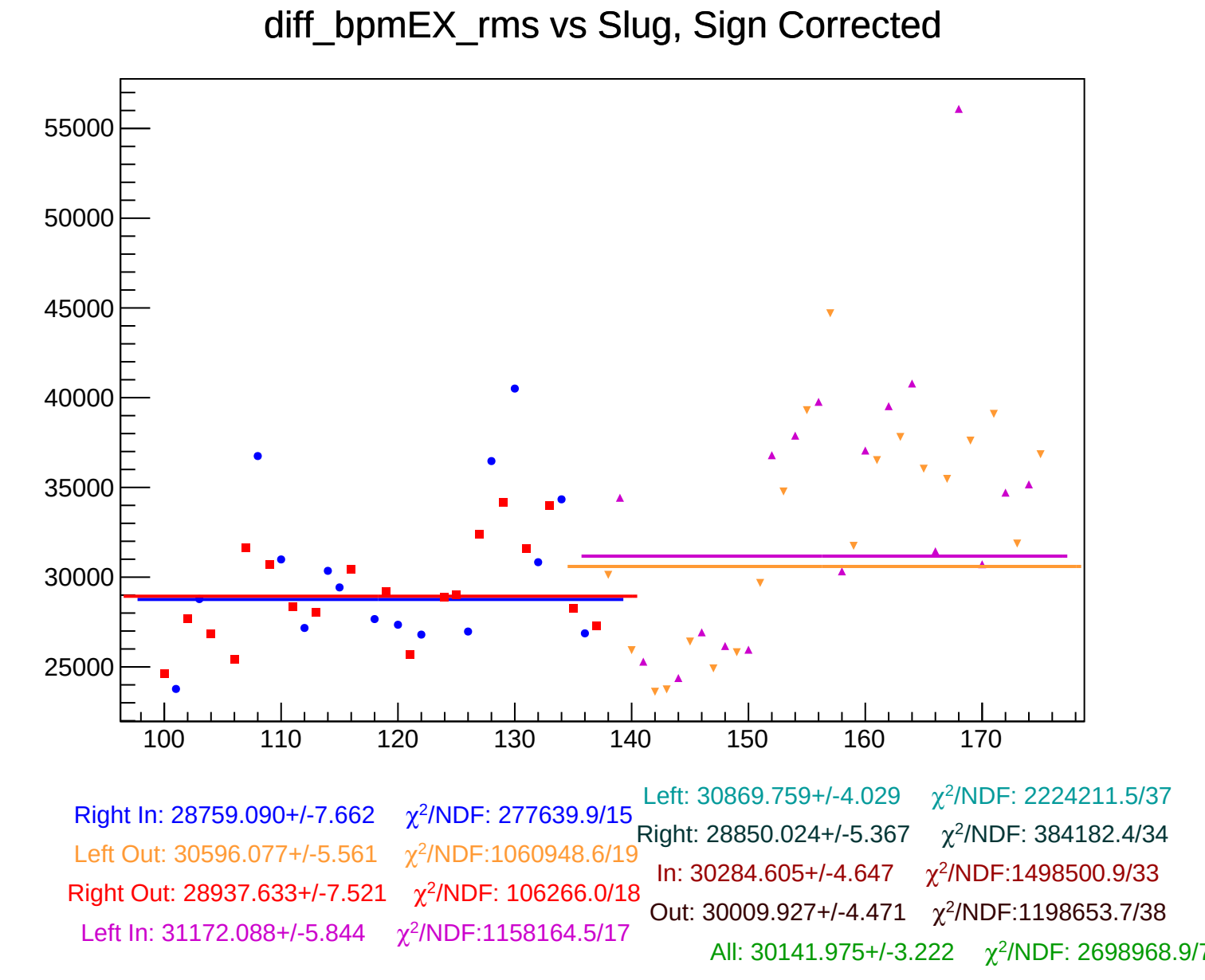
Left: 2.832+/-5.697 χ^2/NDF: 36.6/37

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

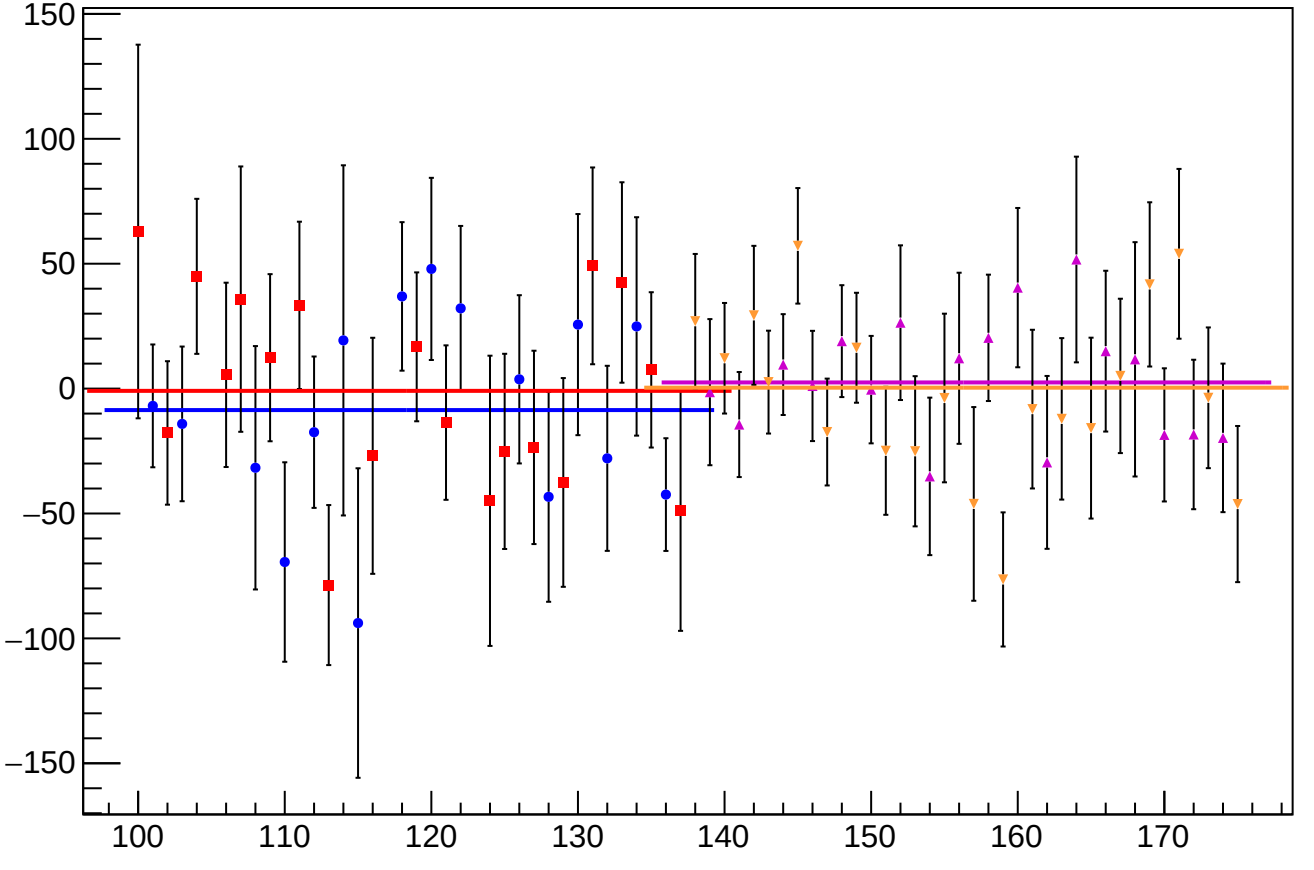
In: -1.457+/-6.572 χ^2/NDF:26.7/33

Out: 0.096+/-6.323 χ^2/NDF:43.7/38

All: -0.651+/-4.557 χ^2/NDF: 70.4/72


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
Left: 30869.759+/-4.029 χ²/NDF: 2224211.5/37
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30284.605+/-4.647 χ²/NDF:1498500.9/33
Out: 30009.927+/-4.471 χ²/NDF:1198653.7/38
All: 30141.975+/-3.222 χ²/NDF: 2698968.9/7

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 0.368+/-6.133 χ^2/NDF:27.7/19

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 2.465+/-6.449 χ^2/NDF:9.5/17

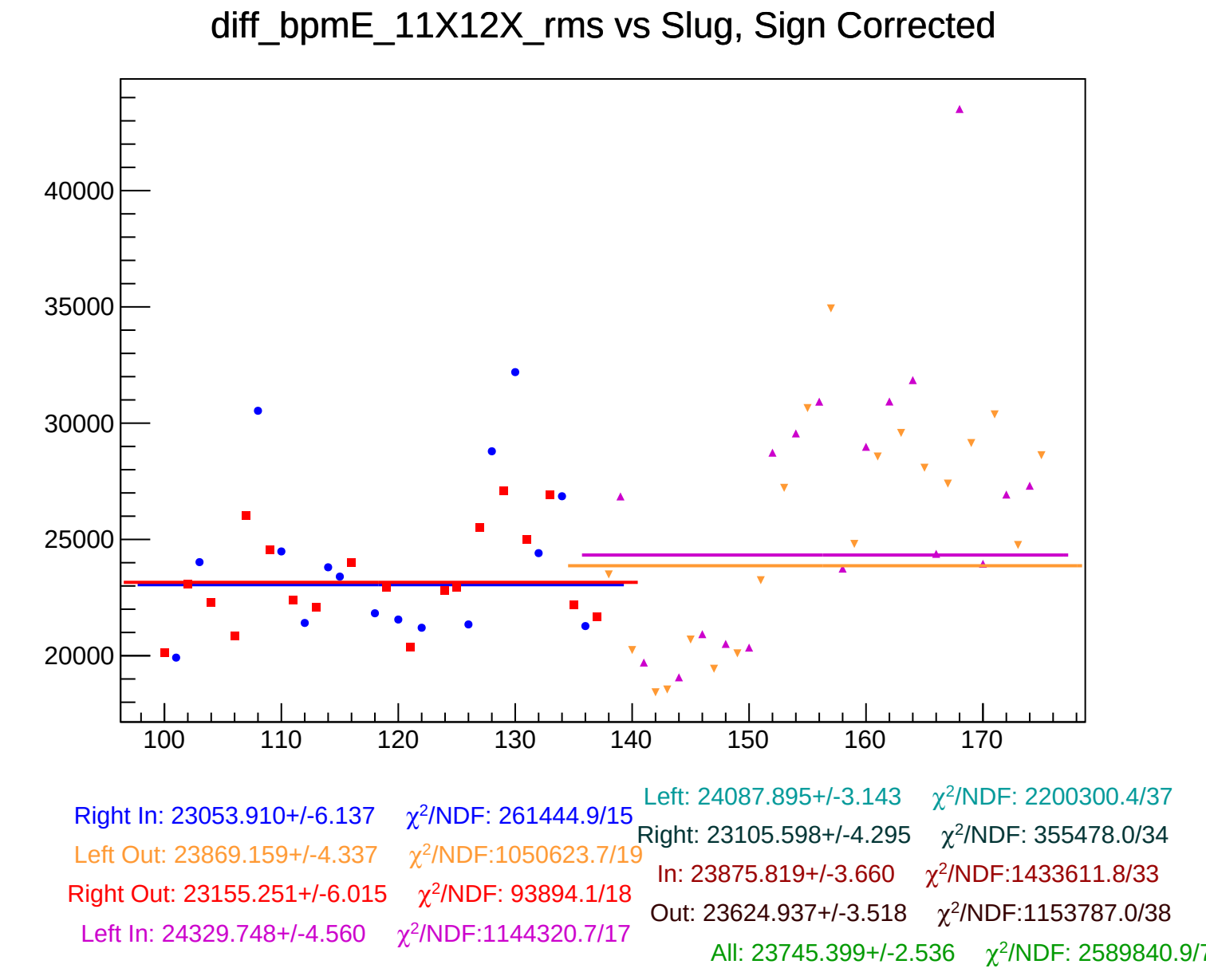
Left: 1.364+/-4.445 χ^2/NDF: 37.2/37

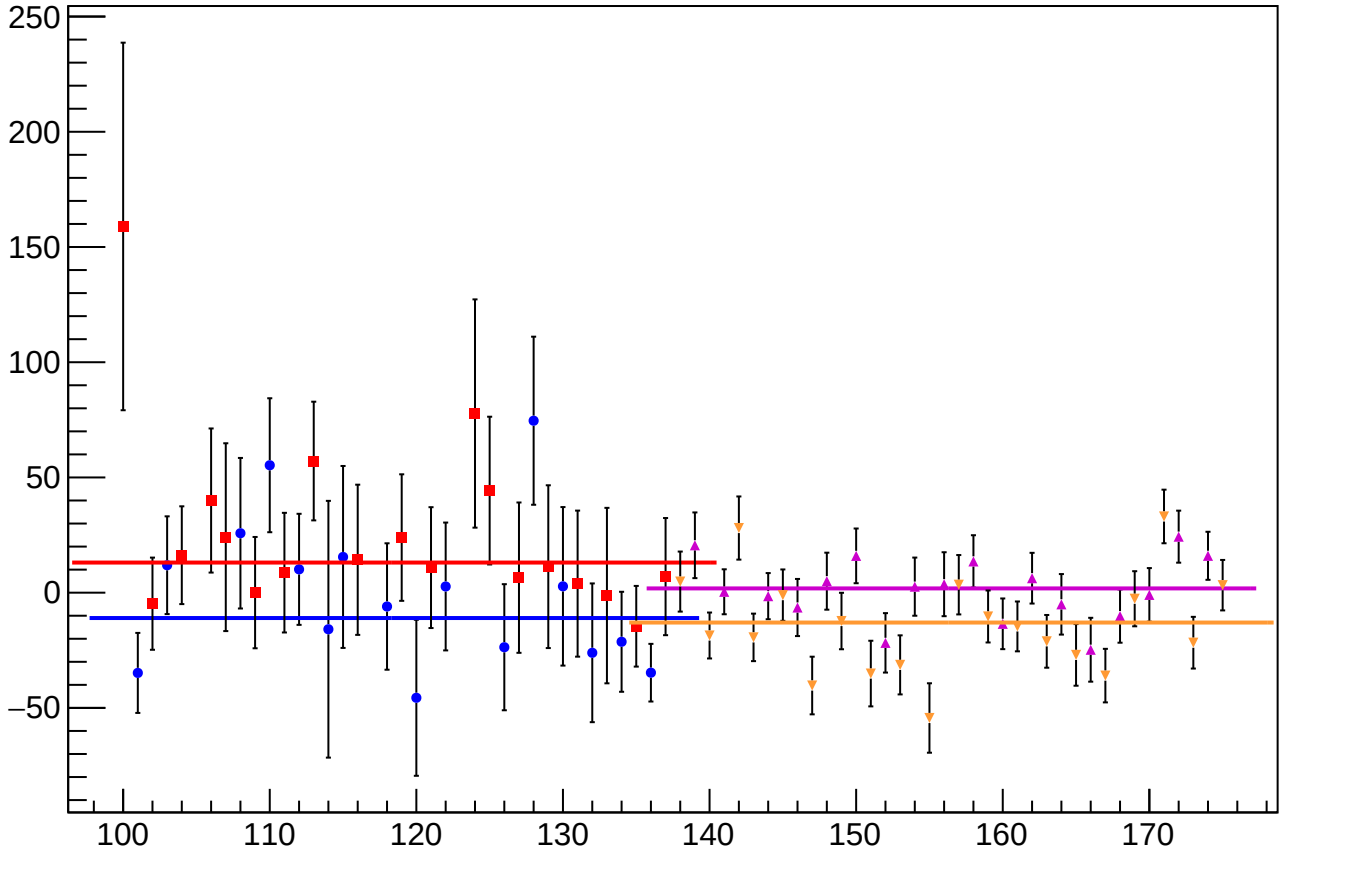
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -1.472+/-5.177 χ^2/NDF:26.1/33

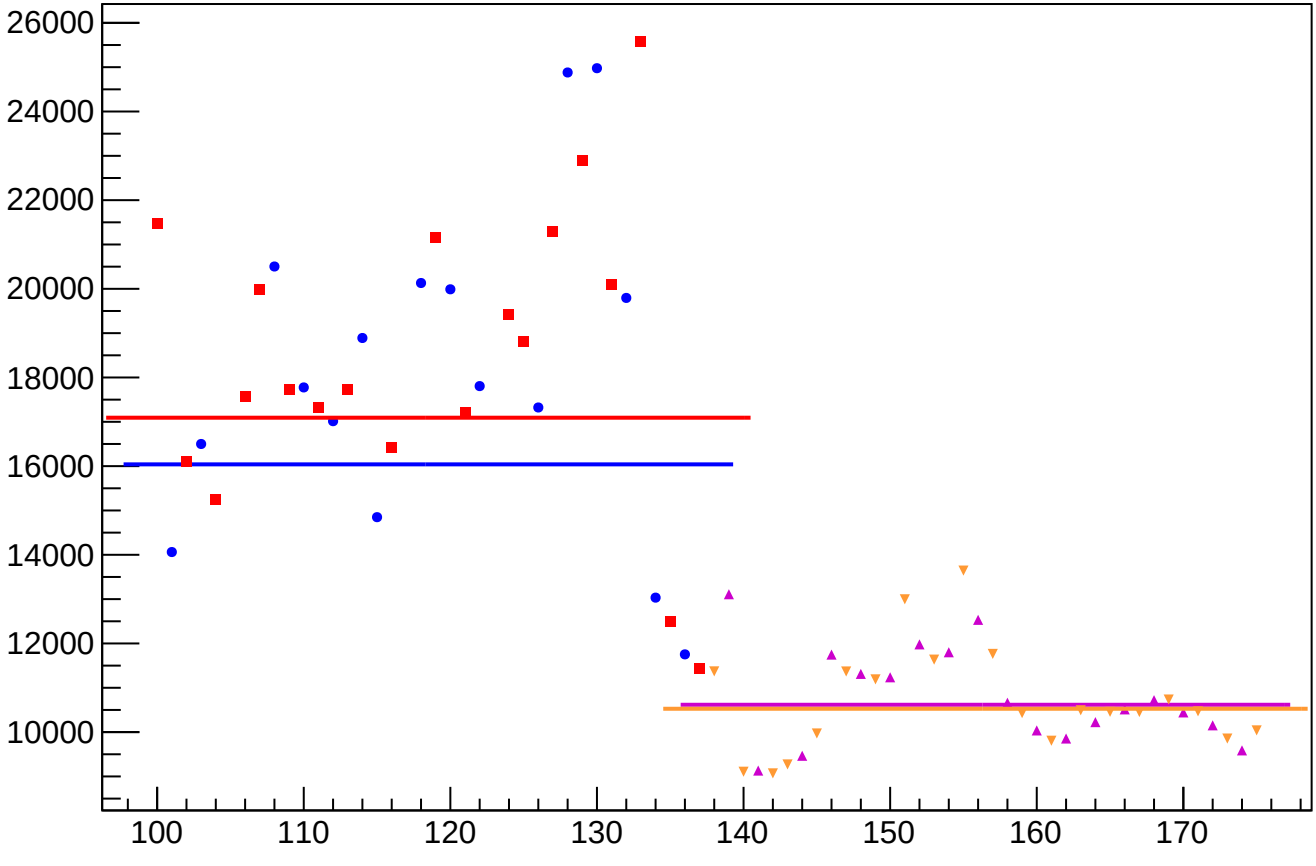
Out: -0.067+/-4.975 χ^2/NDF:45.3/38

All: -0.742+/-3.587 χ^2/NDF: 71.4/72


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23869.159+/-4.337 χ²/NDF:1050623.7/19
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24329.748+/-4.560 χ²/NDF:1144320.7/17
Left: 24087.895+/-3.143 χ²/NDF: 2200300.4/37
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23875.819+/-3.660 χ²/NDF:1433611.8/33
Out: 23624.937+/-3.518 χ²/NDF:1153787.0/38
All: 23745.399+/-2.536 χ²/NDF: 2589840.9/7


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -12.961+/-2.663 χ²/NDF:55.9/19
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.848+/-2.771 χ²/NDF:21.2/17
Left: -5.849+/-1.920 χ²/NDF: 92.0/37
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -0.317+/-2.527 χ²/NDF:46.9/33
Out: -9.099+/-2.458 χ²/NDF:84.0/38
All: -4.829+/-1.762 χ²/NDF: 137.1/72

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10526.700+/-1.883 χ^2/NDF:321342.1/19

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10616.784+/-1.959 χ^2/NDF:280962.7/17

Left: 10569.965+/-1.358 χ^2/NDF: 603403.6/37

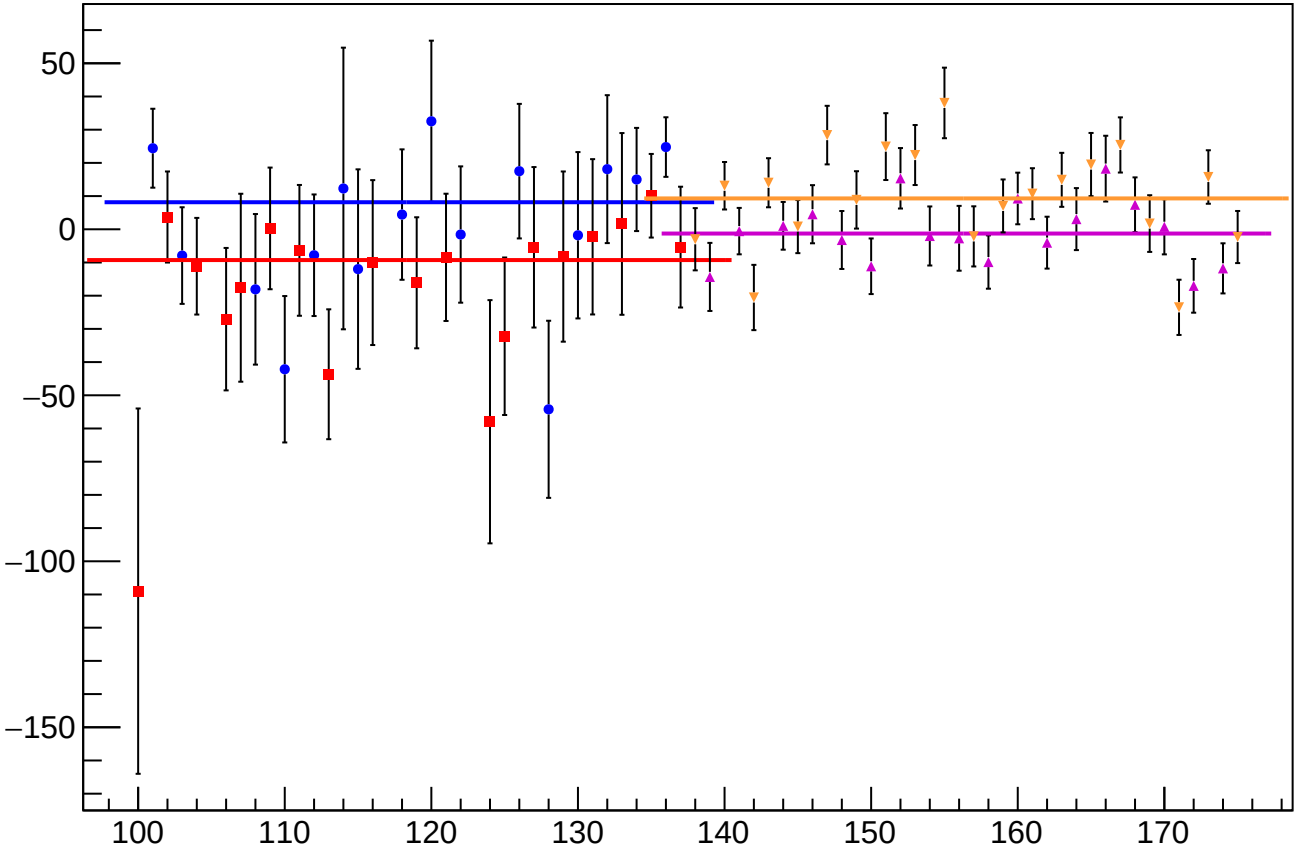
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11530.600+/-1.787 χ^2/NDF:2294780.8/33

Out: 11500.690+/-1.738 χ^2/NDF:2659792.9/38

All: 11515.234+/-1.246 χ^2/NDF: 4954717.7/7

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.297+/-1.897 χ^2/NDF:55.5/19

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.281+/-1.972 χ^2/NDF:21.1/17

Left: 4.213+/-1.367 χ^2/NDF: 91.6/37

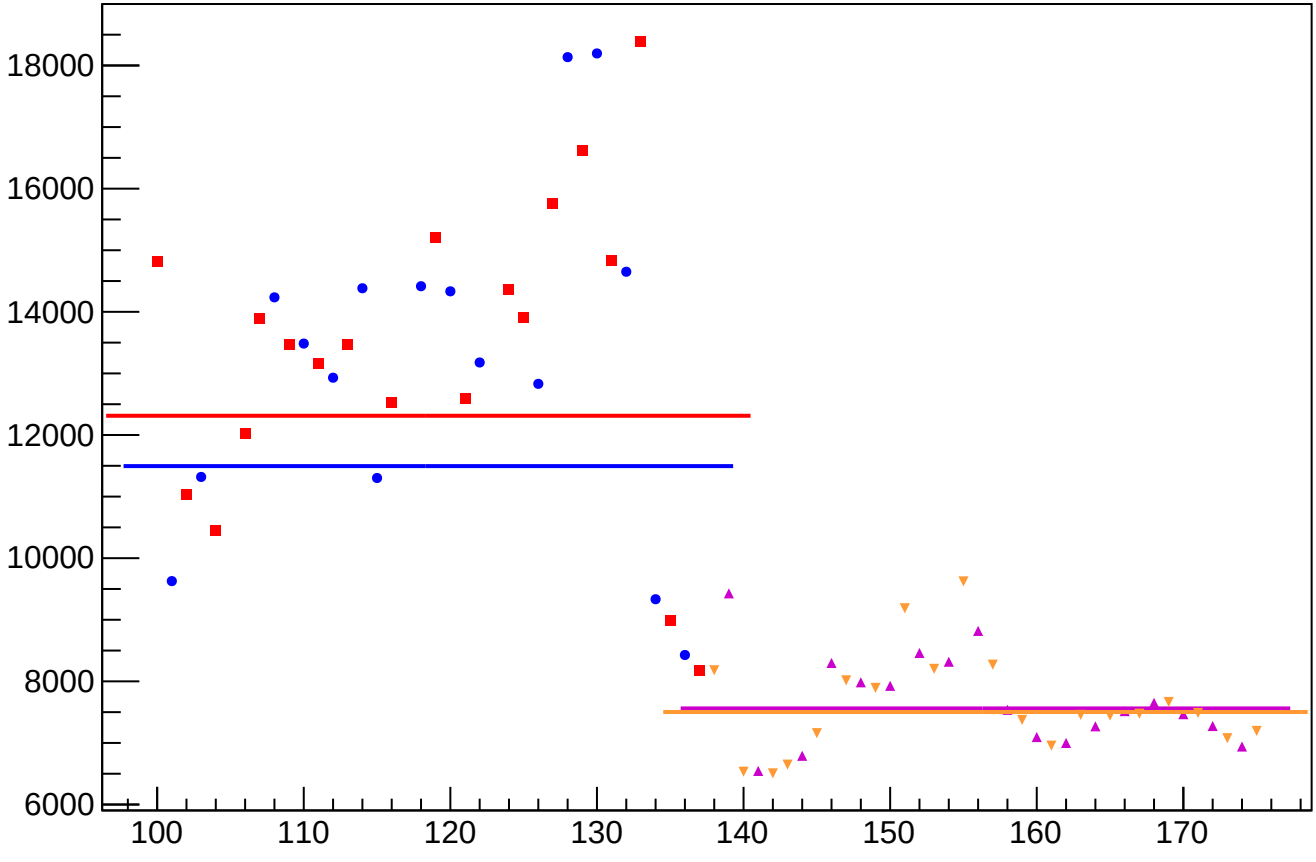
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.283+/-1.801 χ^2/NDF:46.7/33

Out: 6.605+/-1.754 χ^2/NDF:83.3/38

All: 3.528+/-1.257 χ^2/NDF: 136.3/72

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7502.527+/-1.342 χ^2/NDF:291338.9/19

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7560.409+/-1.395 χ^2/NDF:257409.8/17

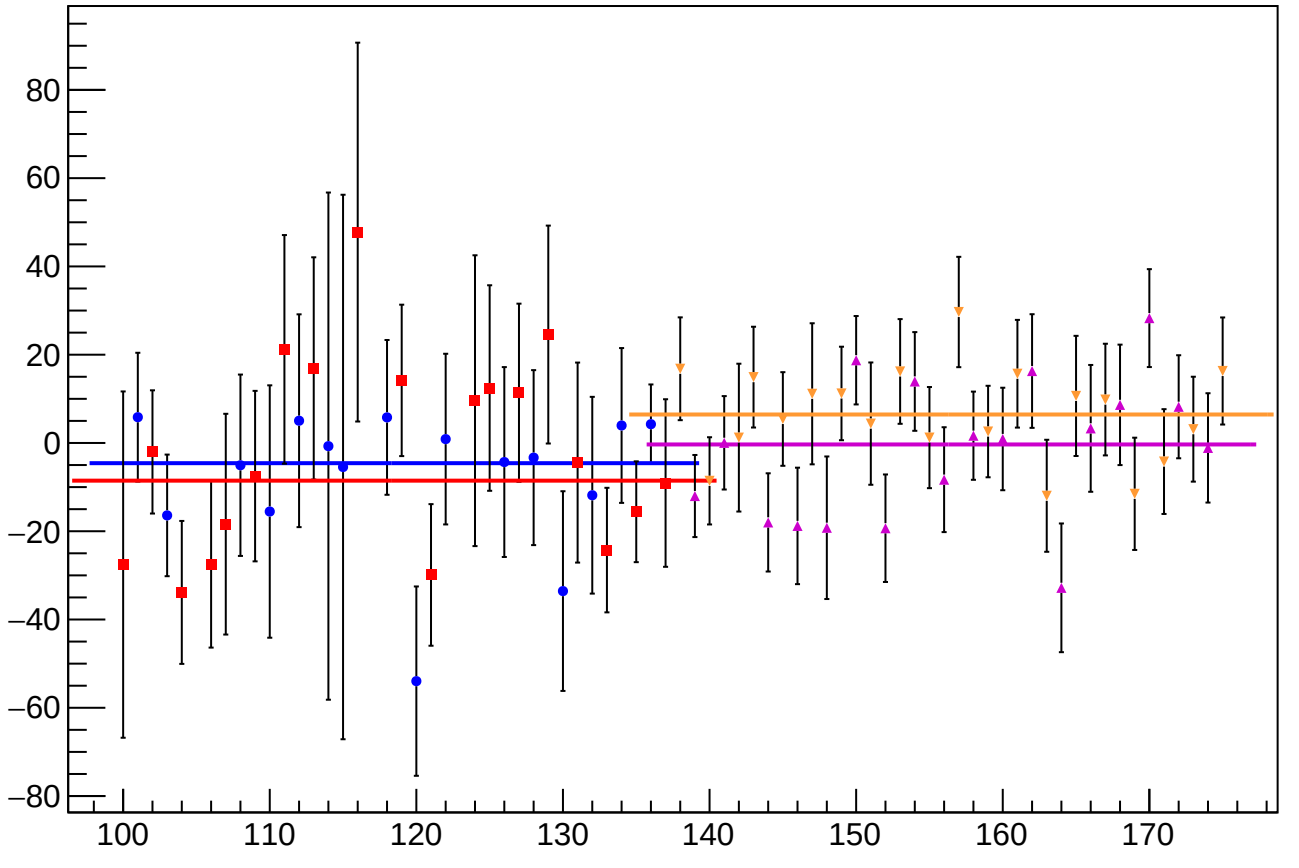
Left: 7530.347+/-0.967 χ^2/NDF: 549643.3/37

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

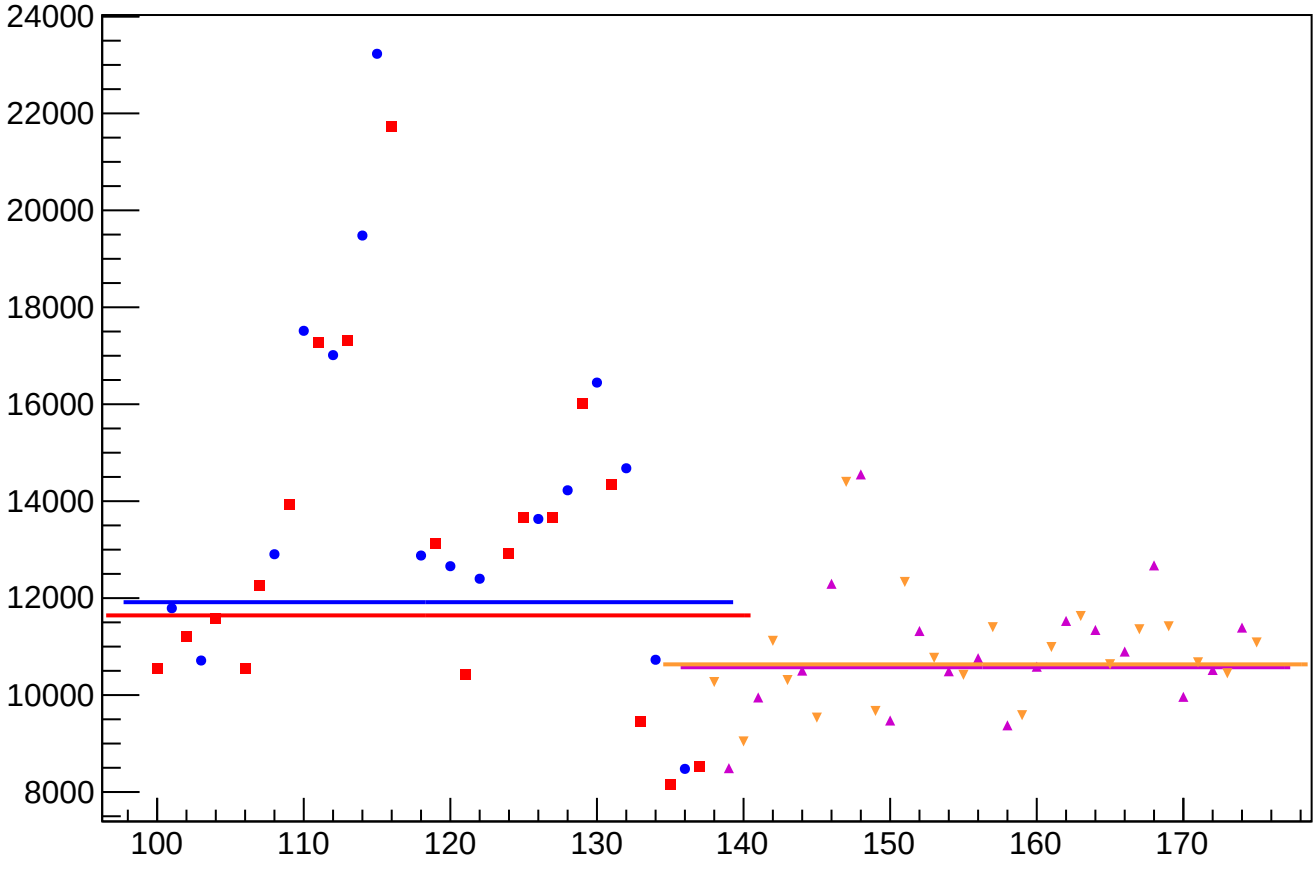
In: 8213.046+/-1.274 χ^2/NDF:2367644.0/33

Out: 8199.972+/-1.241 χ^2/NDF:2753984.1/38

All: 8206.336+/-0.889 χ^2/NDF: 5121682.2/72


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 6.451+/-2.693 χ²/NDF:14.9/19
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -0.337+/-2.770 χ²/NDF:29.9/17
Left: 3.153+/-1.931 χ²/NDF: 48.0/37
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -1.482+/-2.367 χ²/NDF:40.8/33
Out: 2.357+/-2.296 χ²/NDF:40.6/38
All: 0.496+/-1.648 χ²/NDF: 82.8/72

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10633.668+/-1.904 χ^2/NDF:296580.3/19

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10574.233+/-1.959 χ^2/NDF:403462.7/17

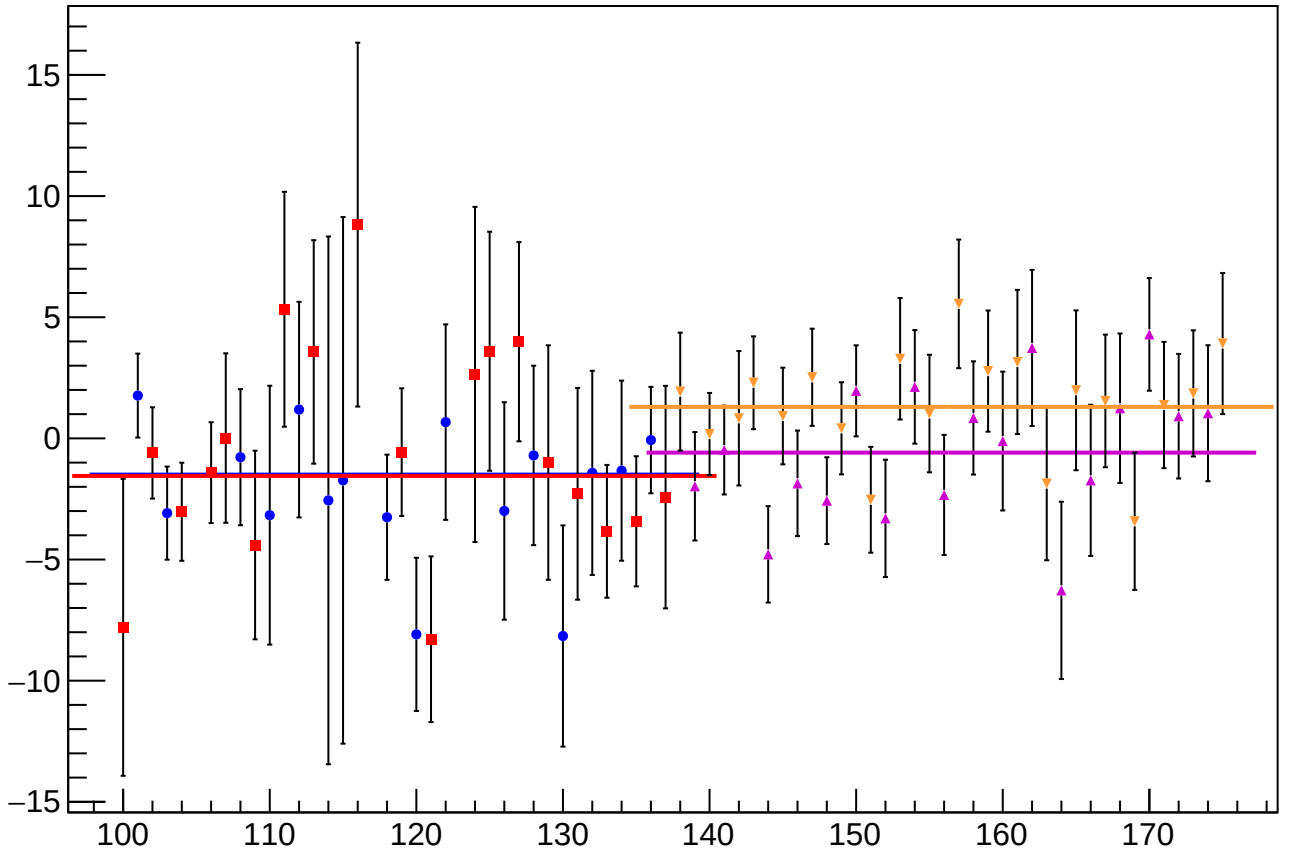
Left: 10604.795+/-1.365 χ^2/NDF: 700516.5/37

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10936.729+/-1.674 χ^2/NDF:1280028.2/33

Out: 10909.539+/-1.623 χ^2/NDF:1163798.9/38

All: 10922.719+/-1.165 χ^2/NDF: 2443963.2/7



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.299+/-0.534 χ^2/NDF:13.1/19

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.588+/-0.557 χ^2/NDF:21.5/17

Left: 0.397+/-0.385 χ^2/NDF: 40.6/37

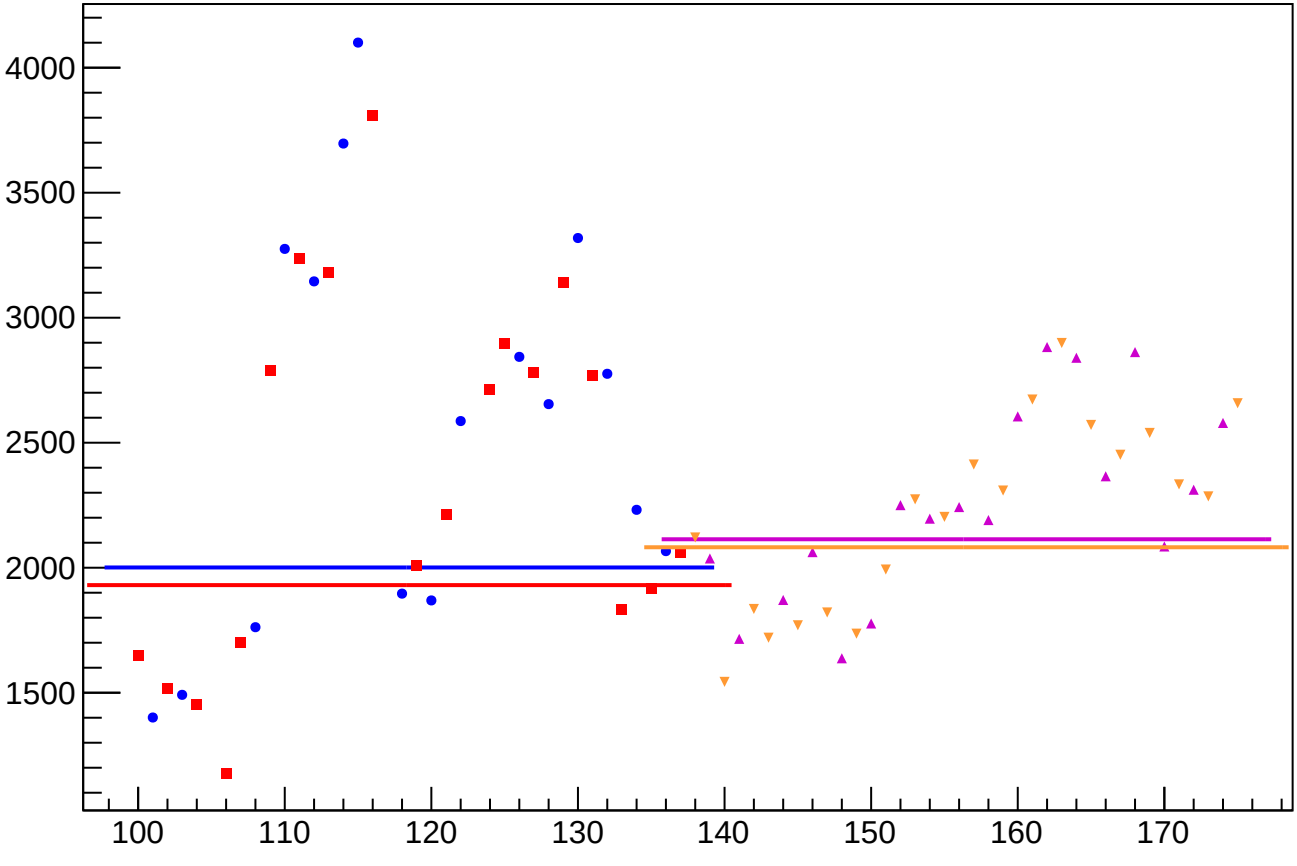
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.896+/-0.453 χ^2/NDF:35.0/33

Out: 0.332+/-0.434 χ^2/NDF:39.1/38

All: -0.255+/-0.313 χ^2/NDF: 77.9/72

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2081.818+/-0.377 χ^2/NDF:959611.5/19

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2113.800+/-0.394 χ^2/NDF:799107.1/17

Left: 2097.111+/-0.273 χ^2/NDF: 1762154.0/37

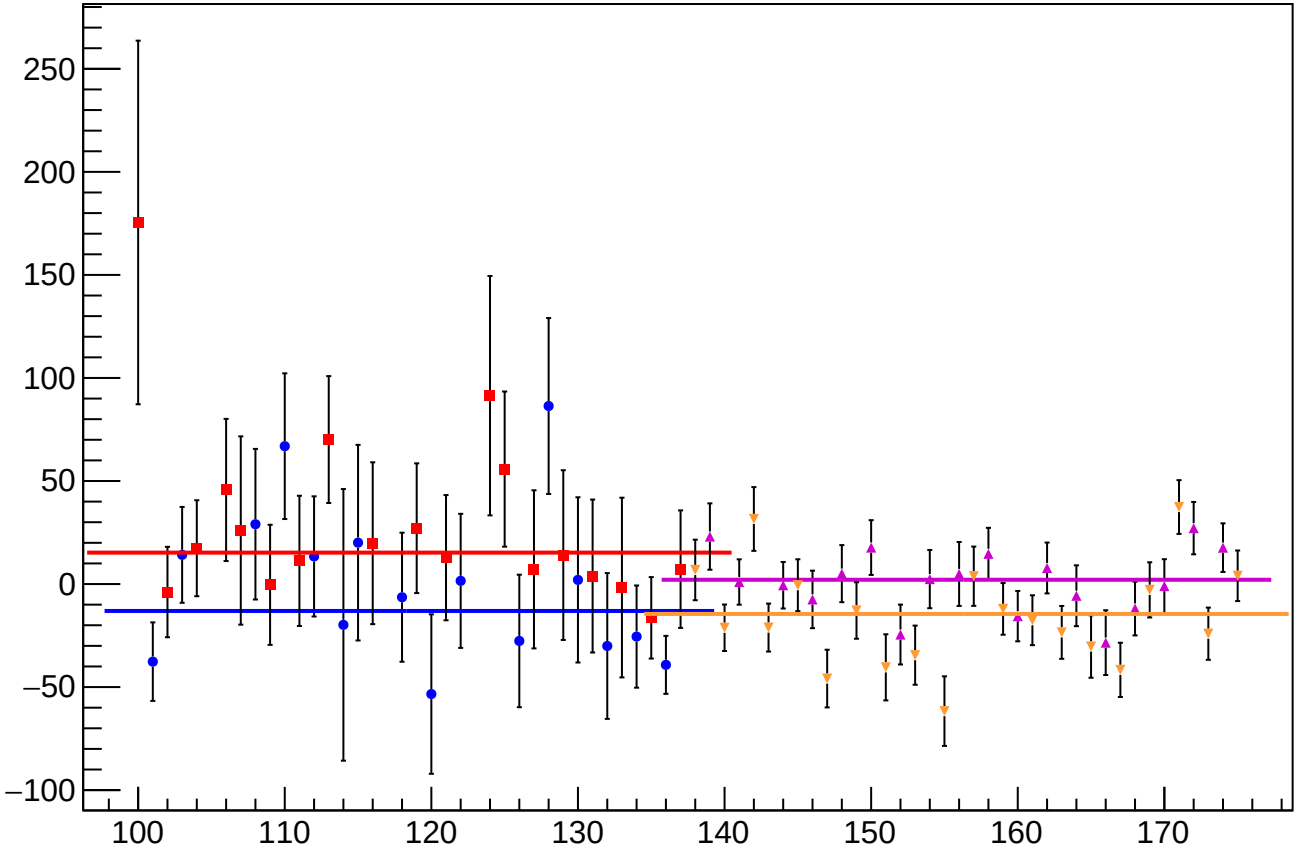
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2075.552+/-0.320 χ^2/NDF:2016660.3/33

Out: 2030.442+/-0.307 χ^2/NDF:2417788.6/38

All: 2052.008+/-0.222 χ^2/NDF: 4444792.0/72

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -14.508+/-2.993 χ^2/NDF:57.3/19

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 2.076+/-3.112 χ^2/NDF:21.2/17

Left: -6.541+/-2.157 χ^2/NDF: 93.3/37

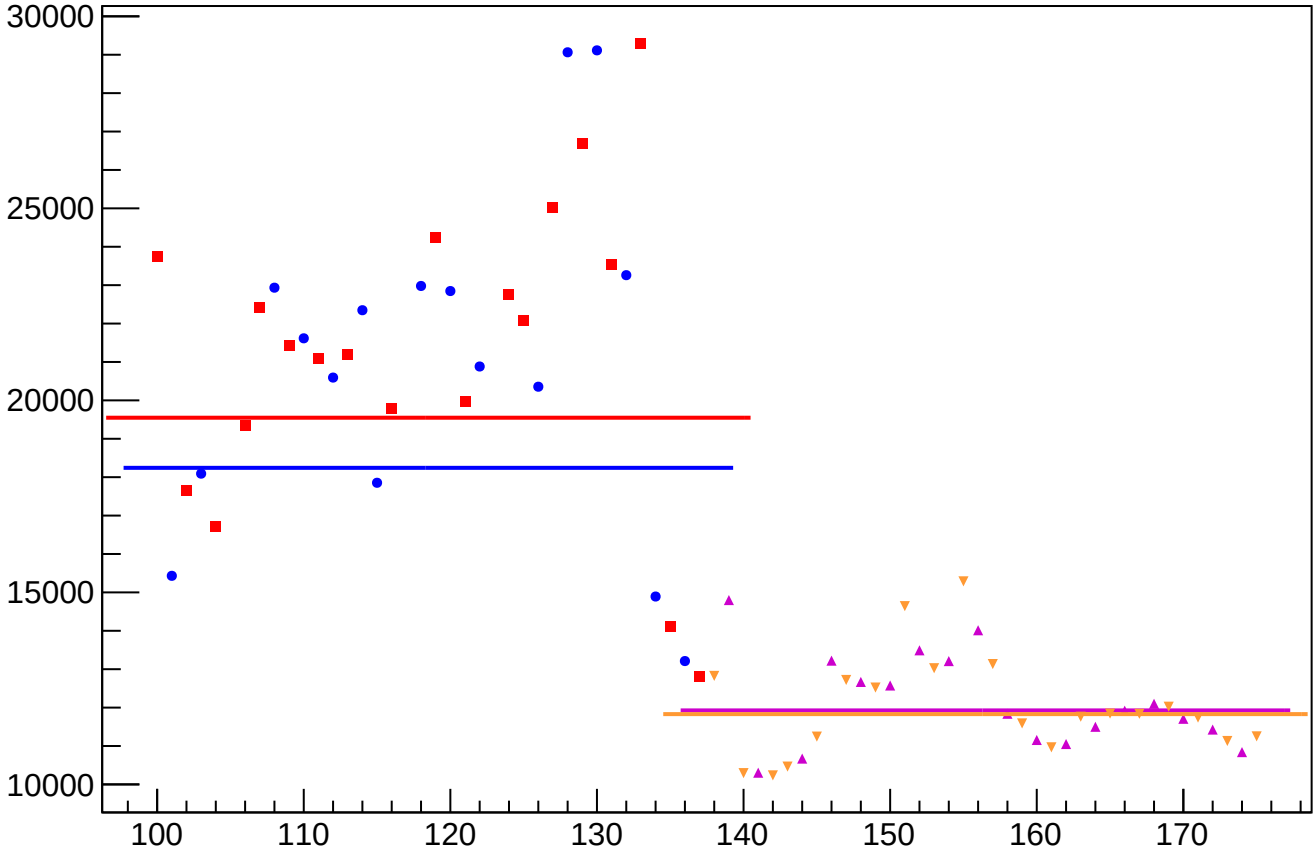
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -0.408+/-2.846 χ^2/NDF:47.0/33

Out: -10.246+/-2.770 χ^2/NDF:85.8/38

All: -5.459+/-1.985 χ^2/NDF: 138.9/72

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11830.331+/-2.116 χ^2/NDF:310415.7/19

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11926.929+/-2.201 χ^2/NDF:276265.4/17

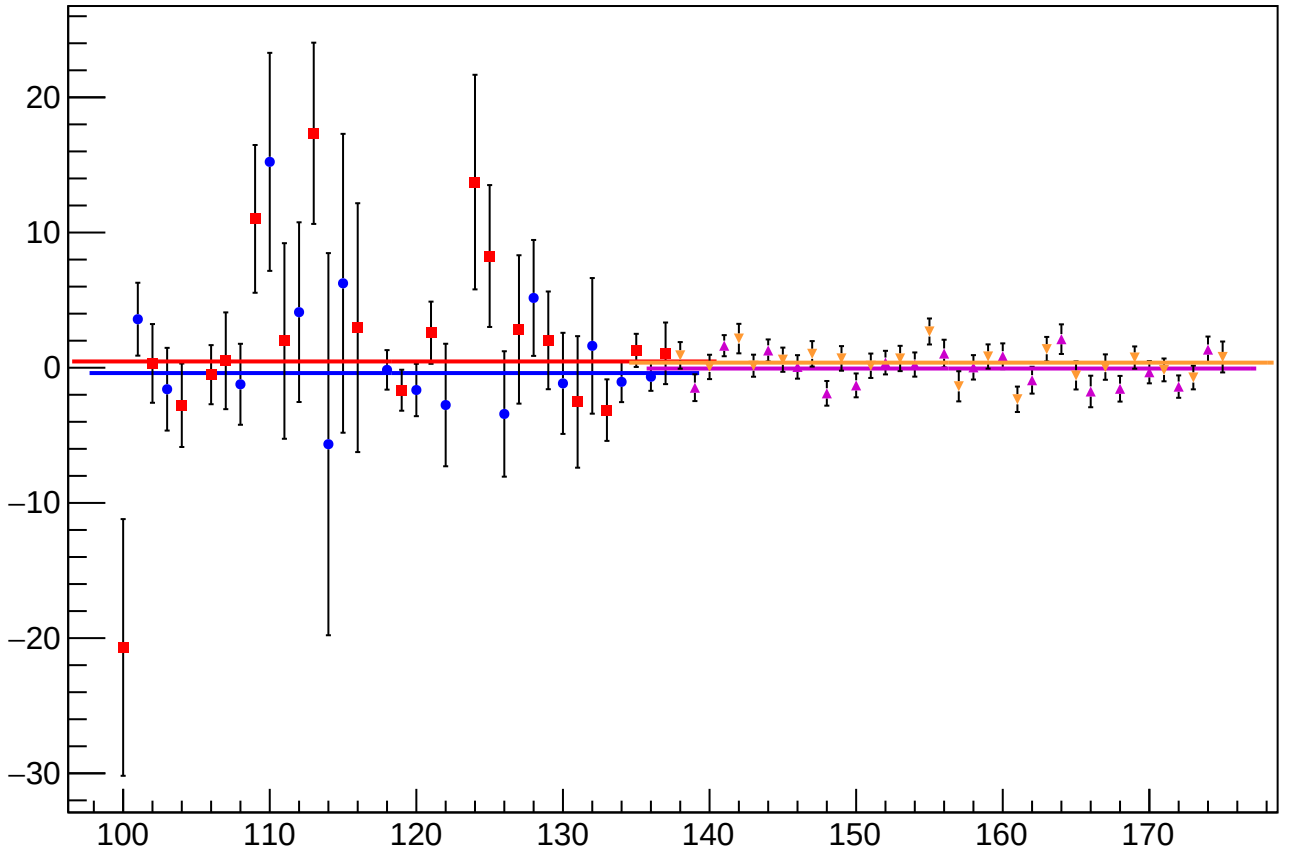
Left: 11876.737+/-1.525 χ^2/NDF: 587682.1/37

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12963.005+/-2.012 χ^2/NDF:2447227.9/33

Out: 12935.483+/-1.959 χ^2/NDF:2836857.5/38

All: 12948.874+/-1.404 χ^2/NDF: 5284181.4/7



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.376+/-0.208 χ^2/NDF:25.2/19

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.060+/-0.216 χ^2/NDF:32.0/17

Left: 0.166+/-0.150 χ^2/NDF: 59.4/37

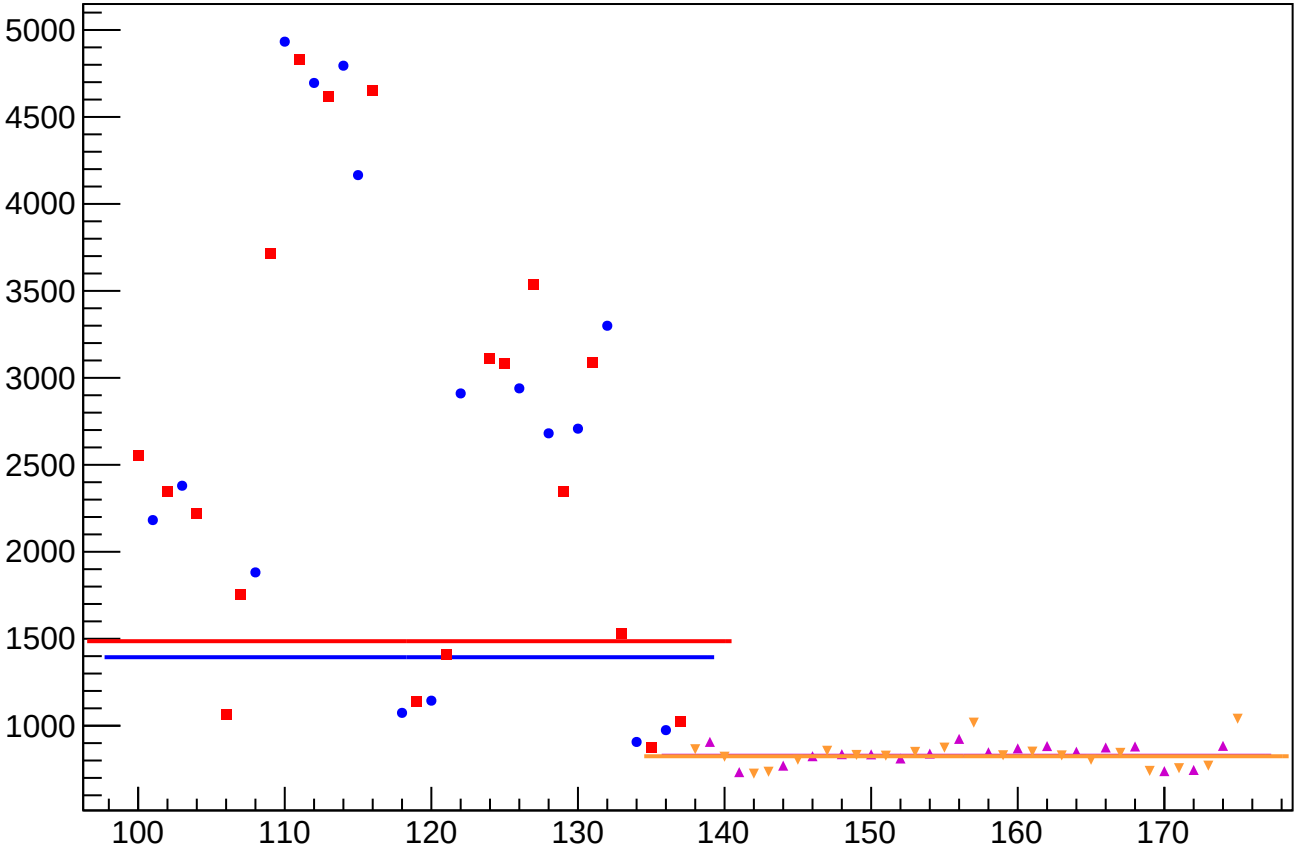
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.098+/-0.203 χ^2/NDF:42.7/33

Out: 0.385+/-0.198 χ^2/NDF:53.3/38

All: 0.149+/-0.142 χ^2/NDF: 98.9/72

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 824.495+/-0.147 χ^2/NDF:230410.7/19

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 827.476+/-0.152 χ^2/NDF:142547.3/17

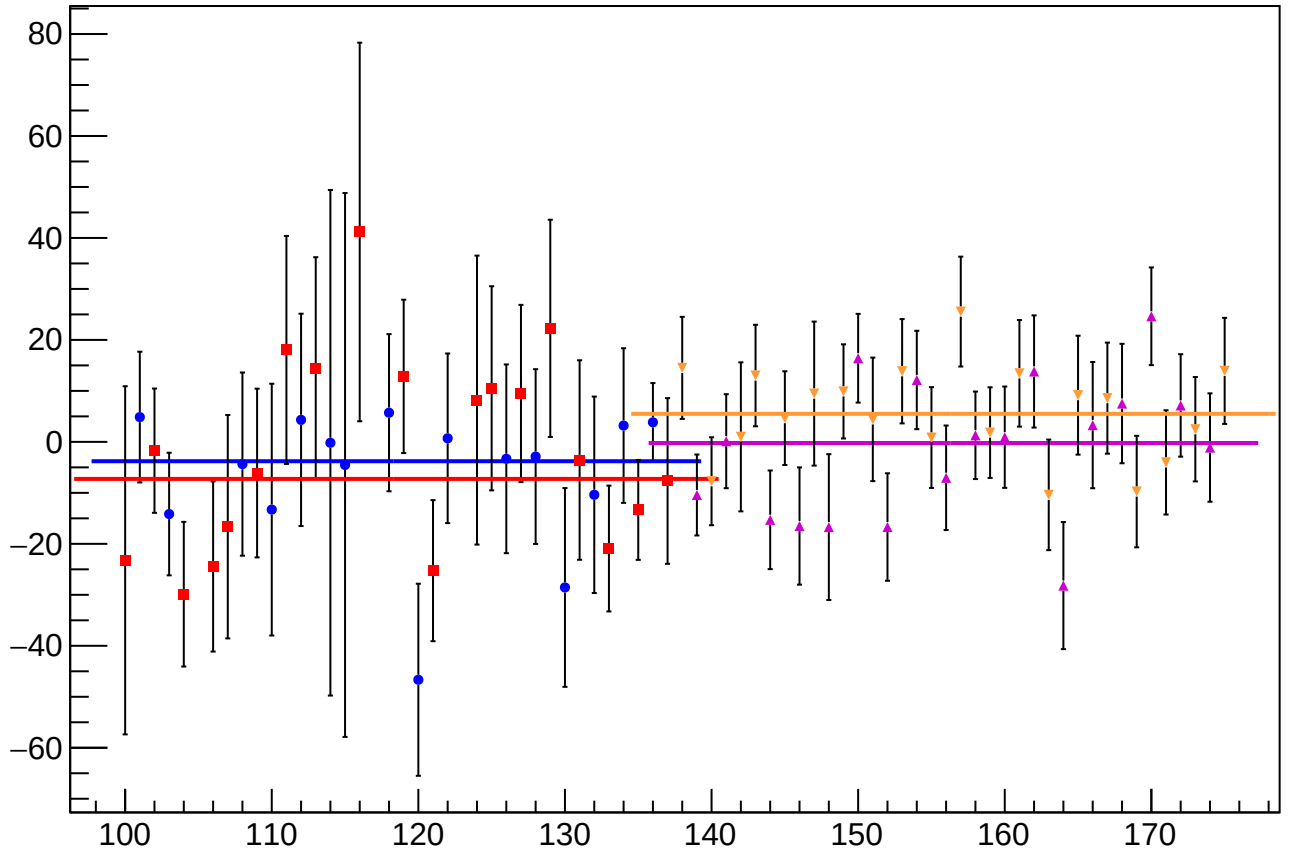
Left: 825.935+/-0.106 χ^2/NDF: 373155.9/37

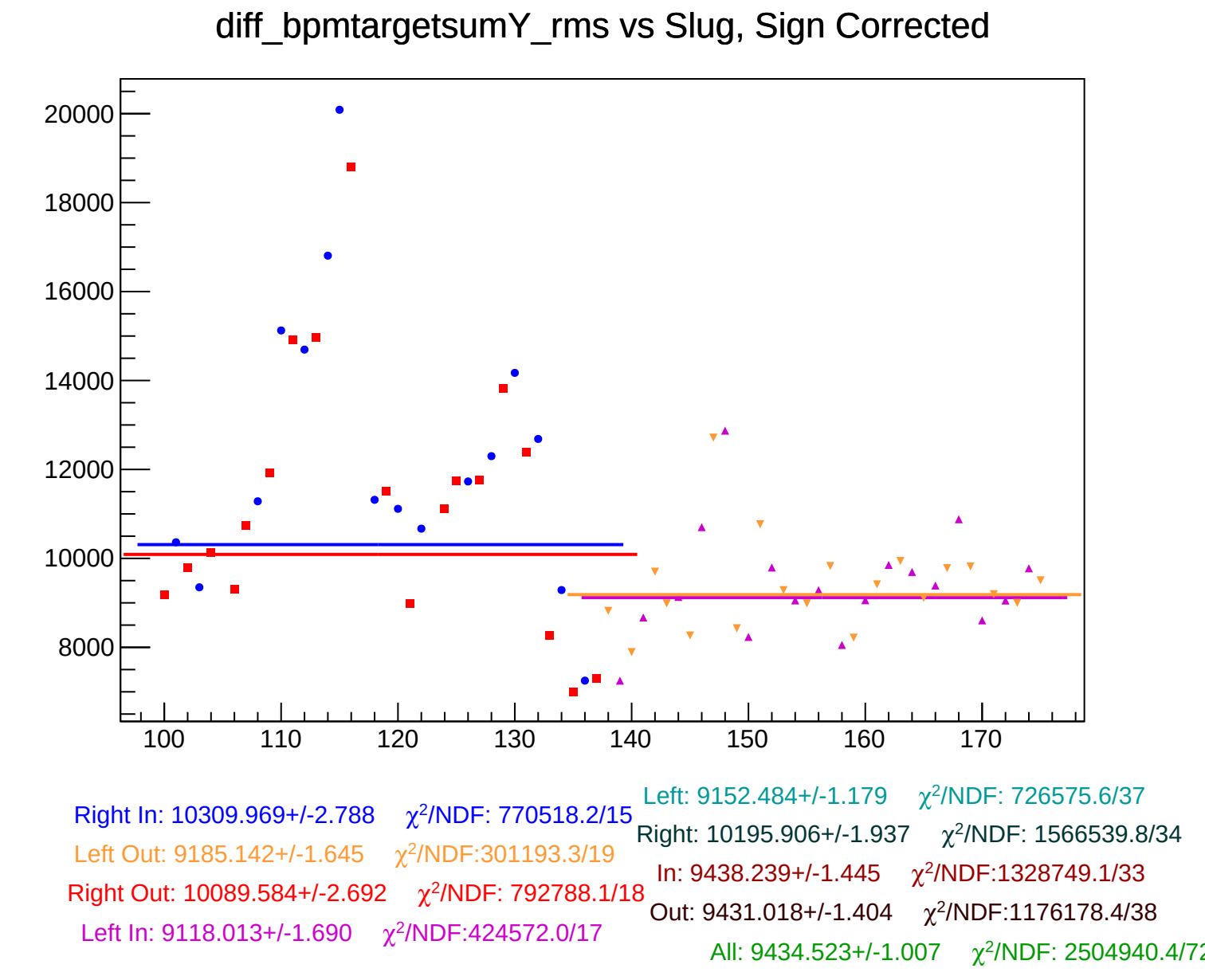
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 892.192+/-0.143 χ^2/NDF:5101699.5/33

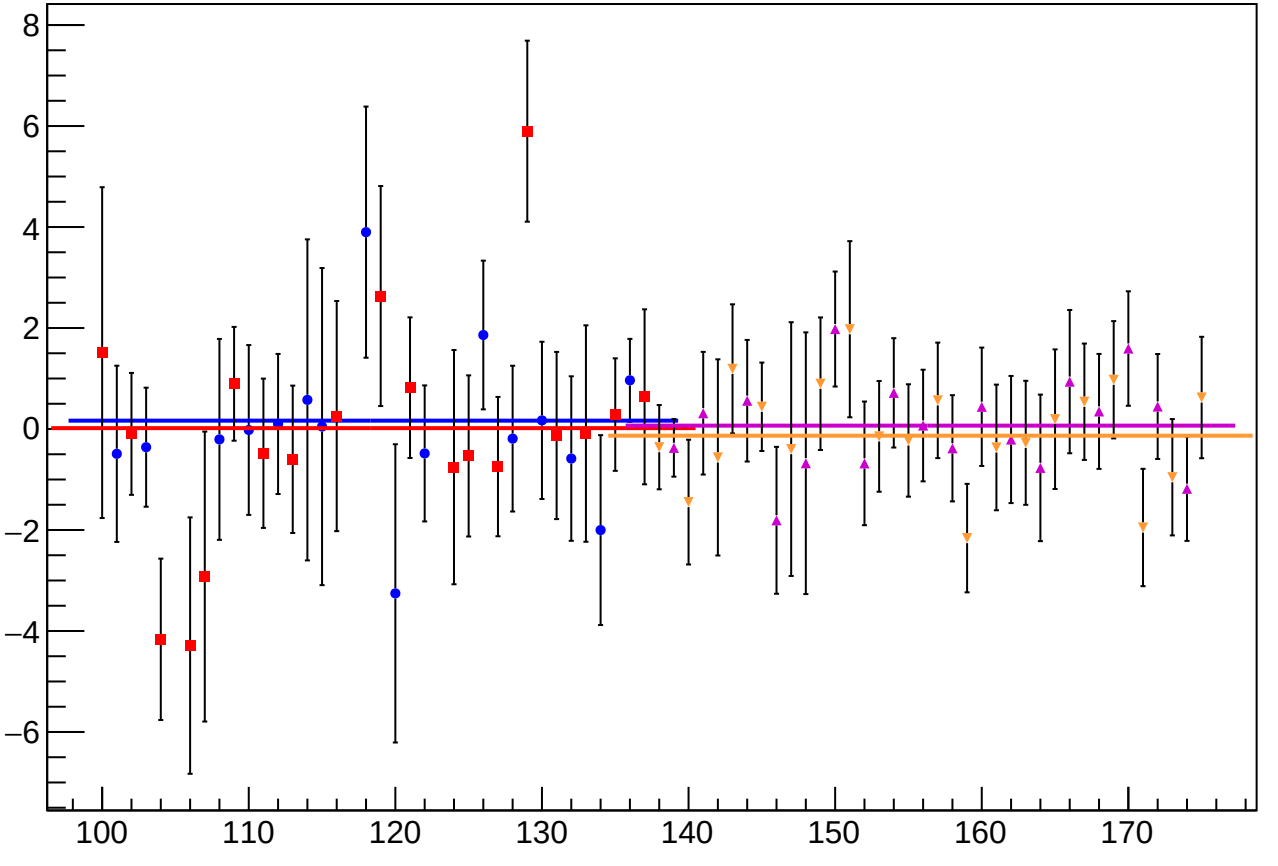
Out: 888.966+/-0.140 χ^2/NDF:5594910.8/38

All: 890.539+/-0.100 χ^2/NDF: 10696869.5/72


diff_bpmtargetsumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 5.502+/-2.326 χ²/NDF:15.1/19
Right Out: -7.264+/-3.807 χ²/NDF: 17.3/18
Left In: -0.224+/-2.390 χ²/NDF:30.1/17
Left: 2.716+/-1.667 χ²/NDF: 48.2/37
Right: -5.590+/-2.739 χ²/NDF: 27.7/34
In: -1.183+/-2.044 χ²/NDF:40.8/33
Out: 2.031+/-1.985 χ²/NDF:40.6/38
All: 0.471+/-1.424 χ²/NDF: 82.6/72


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9185.142+/-1.645 χ²/NDF:301193.3/19
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9118.013+/-1.690 χ²/NDF:424572.0/17
Left: 9152.484+/-1.179 χ²/NDF: 726575.6/37
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9438.239+/-1.445 χ²/NDF:1328749.1/33
Out: 9431.018+/-1.404 χ²/NDF:1176178.4/38
All: 9434.523+/-1.007 χ²/NDF: 2504940.4/72

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.132+/-0.266 χ^2/NDF:13.5/19

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.067+/-0.260 χ^2/NDF:10.6/17

Left: -0.030+/-0.186 χ^2/NDF: 24.4/37

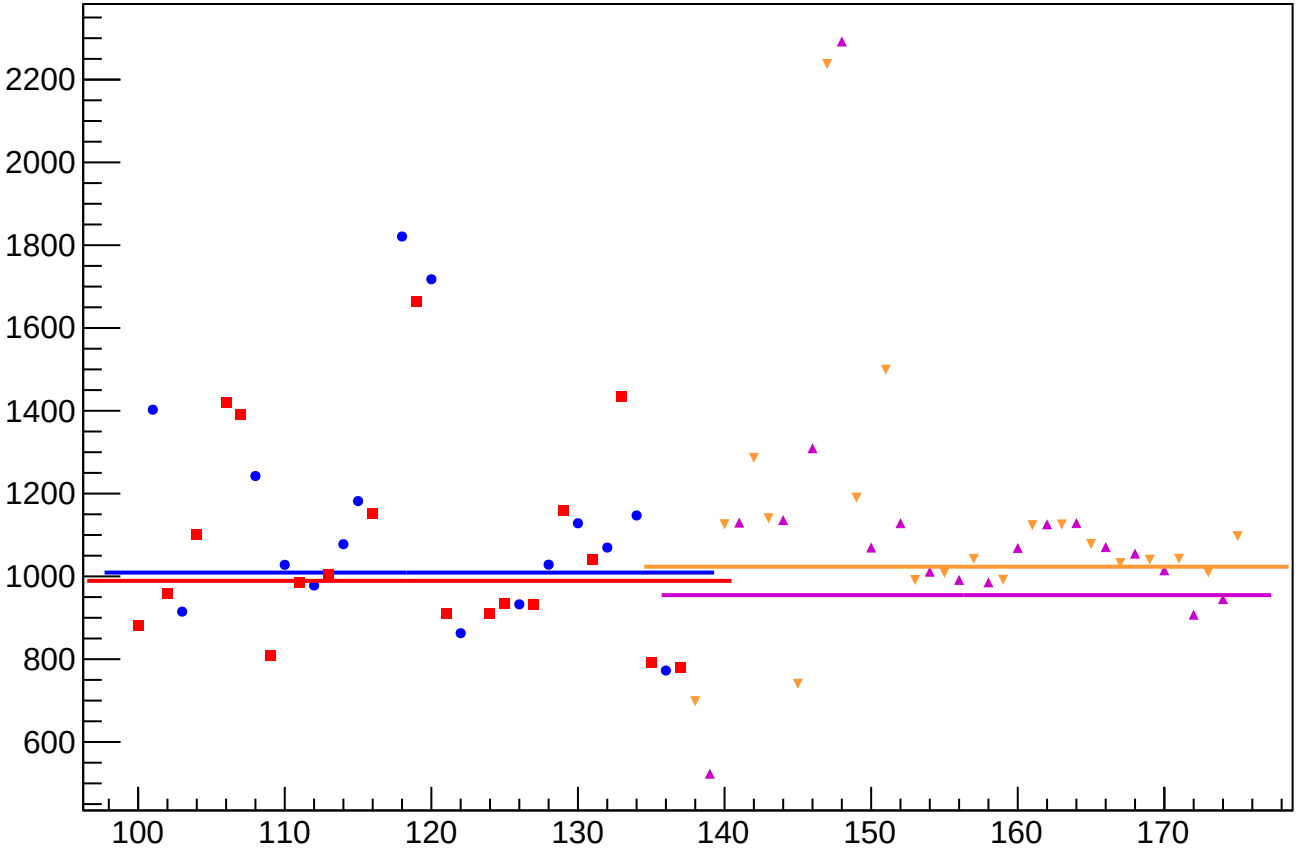
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.098+/-0.216 χ^2/NDF:18.8/33

Out: -0.082+/-0.216 χ^2/NDF:38.8/38

All: 0.008+/-0.153 χ^2/NDF: 57.9/72

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1023.436+/-0.188 χ^2/NDF:1270566.7/19

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 954.722+/-0.184 χ^2/NDF:2075686.2/17

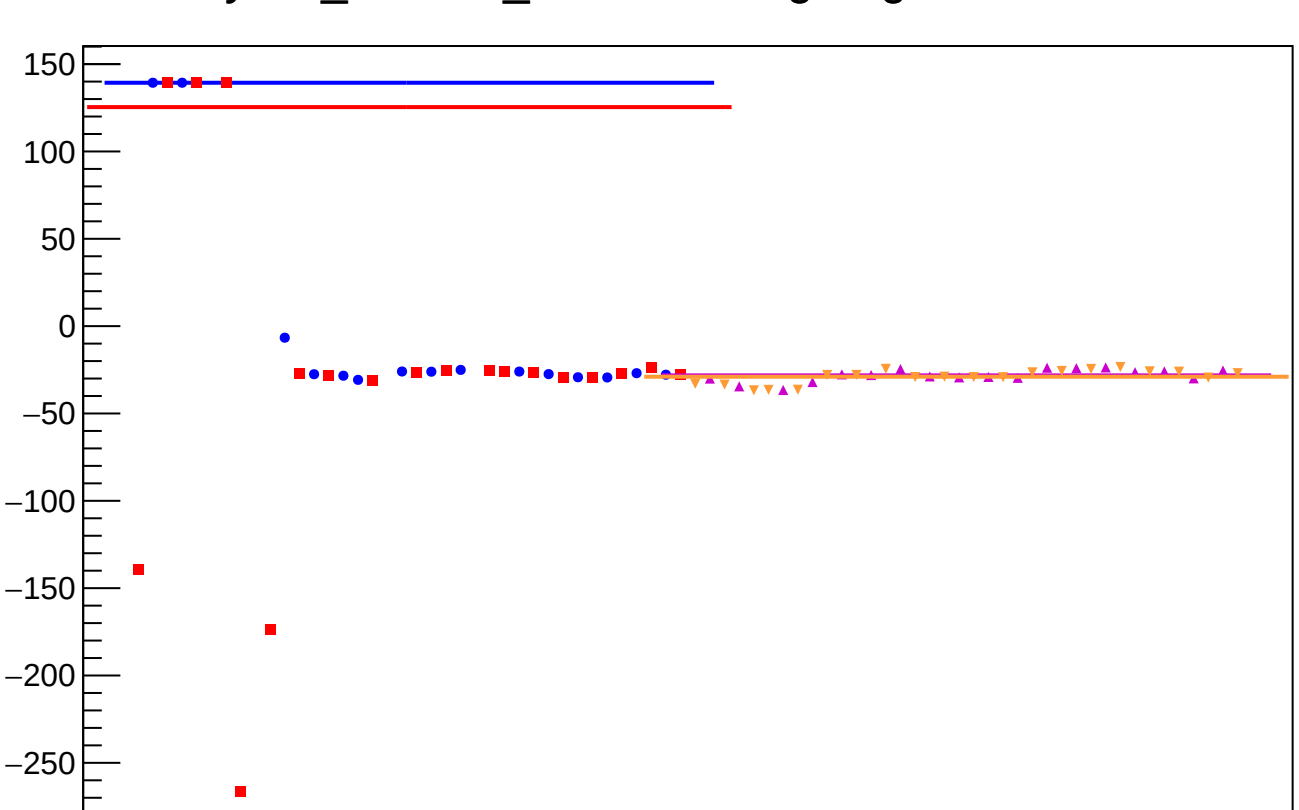
Left: 988.252+/-0.131 χ^2/NDF: 3414551.9/37

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 971.690+/-0.152 χ^2/NDF:2802402.4/33

Out: 1011.874+/-0.153 χ^2/NDF:1857494.2/38

All: 991.698+/-0.108 χ^2/NDF: 4694505.2/72



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.957+/-0.000 χ^2/NDF:137086866.6/19

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -28.178+/-0.000 χ^2/NDF:103470009.0/17

Left: -28.581+/-0.000 χ^2/NDF: 242767502.8/37

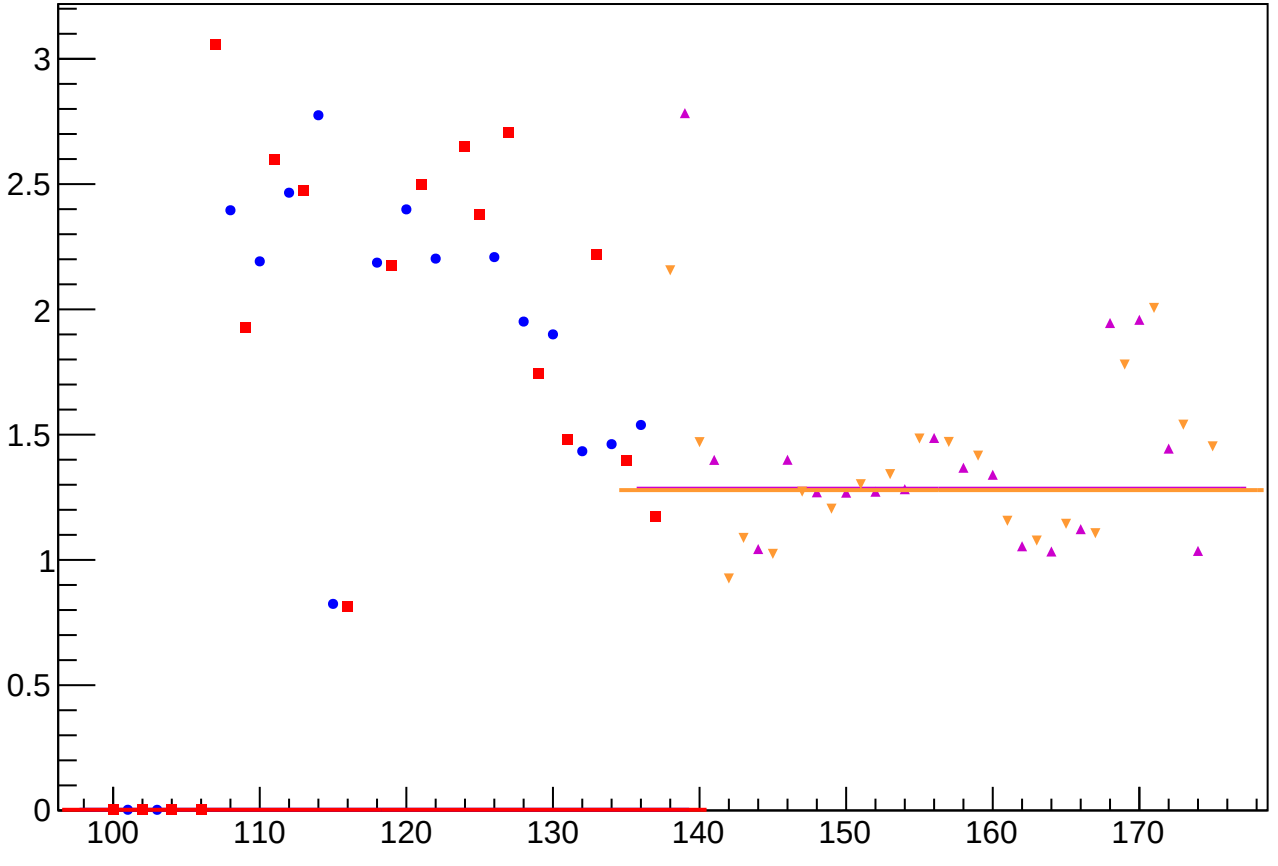
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.330+/-0.000 χ^2/NDF:244446094305.9/33

Out: 125.386+/-0.000 χ^2/NDF:774353292692540.

All: 131.812+/-0.000 χ^2/NDF: 793380524973

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.279+/-0.000 χ^2/NDF:954553.7/19

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.284+/-0.000 χ^2/NDF:1160738.6/17

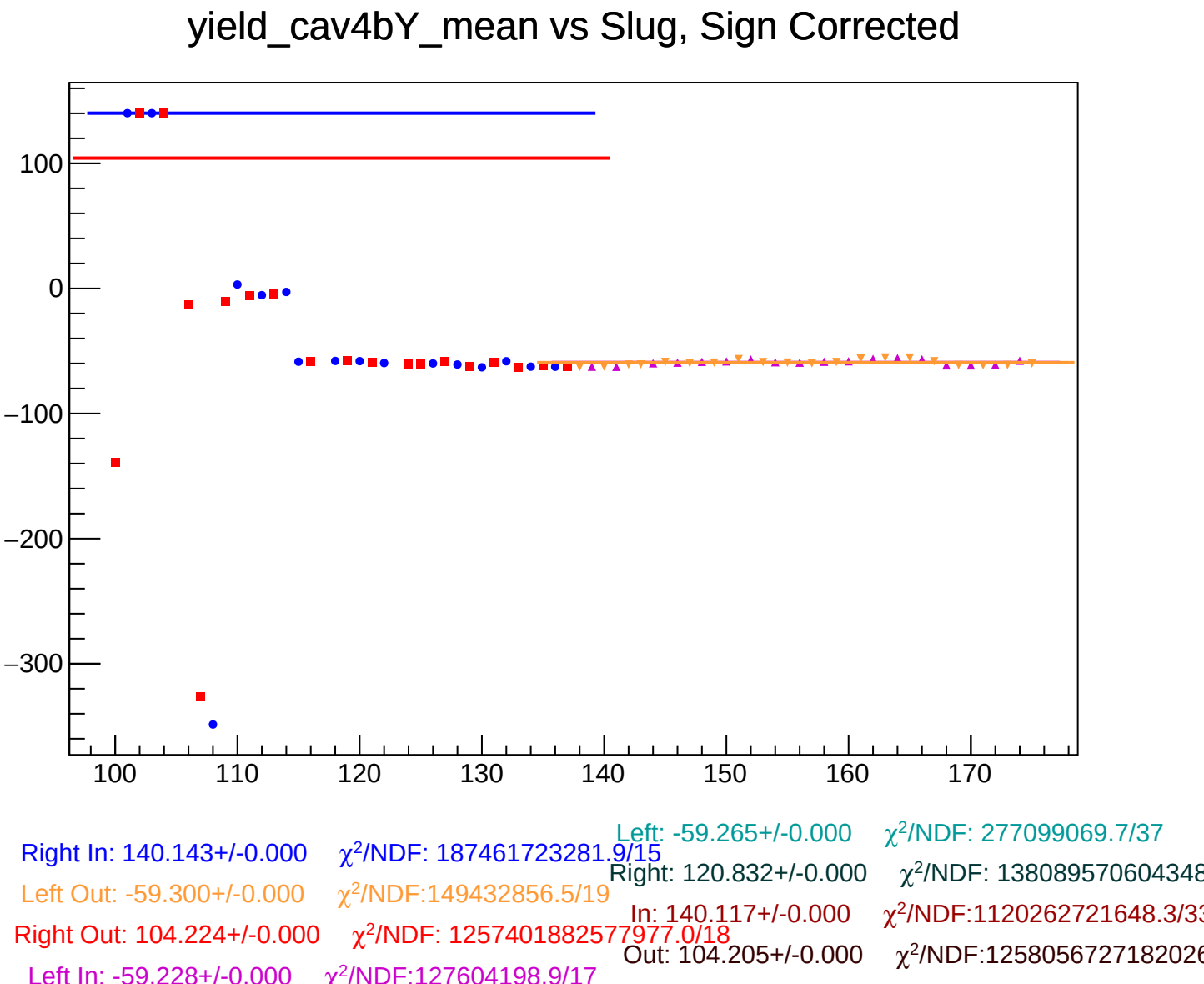
Left: 1.281+/-0.000 χ^2/NDF: 2115524.2/37

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

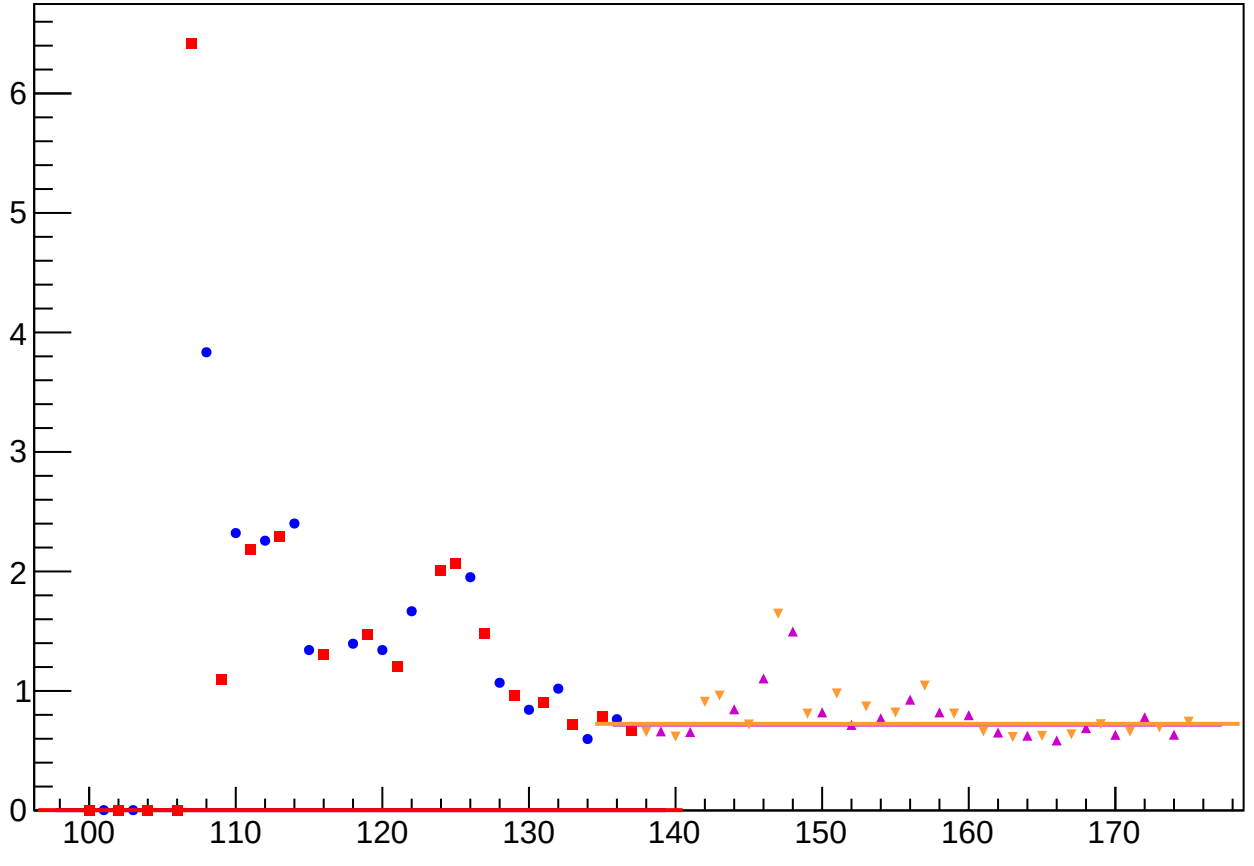
In: 0.003+/-0.000 χ^2/NDF:33817928.7/33

Out: 0.003+/-0.000 χ^2/NDF:35296135.0/38

All: 0.003+/-0.000 χ^2/NDF: 69114301.7/72


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.300+/-0.000 χ²/NDF:149432856.5/19
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -59.228+/-0.000 χ²/NDF:127604198.9/17
Left: -59.265+/-0.000 χ²/NDF: 277099069.7/37
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.117+/-0.000 χ²/NDF:1120262721648.3/33
Out: 104.205+/-0.000 χ²/NDF:125805672718202
All: 120.809+/-0.000 χ²/NDF: 13824511501

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.725+/-0.000 χ^2/NDF:1031864.8/19

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.719+/-0.000 χ^2/NDF:878648.9/17

Left: 0.722+/-0.000 χ^2/NDF: 1911436.6/37

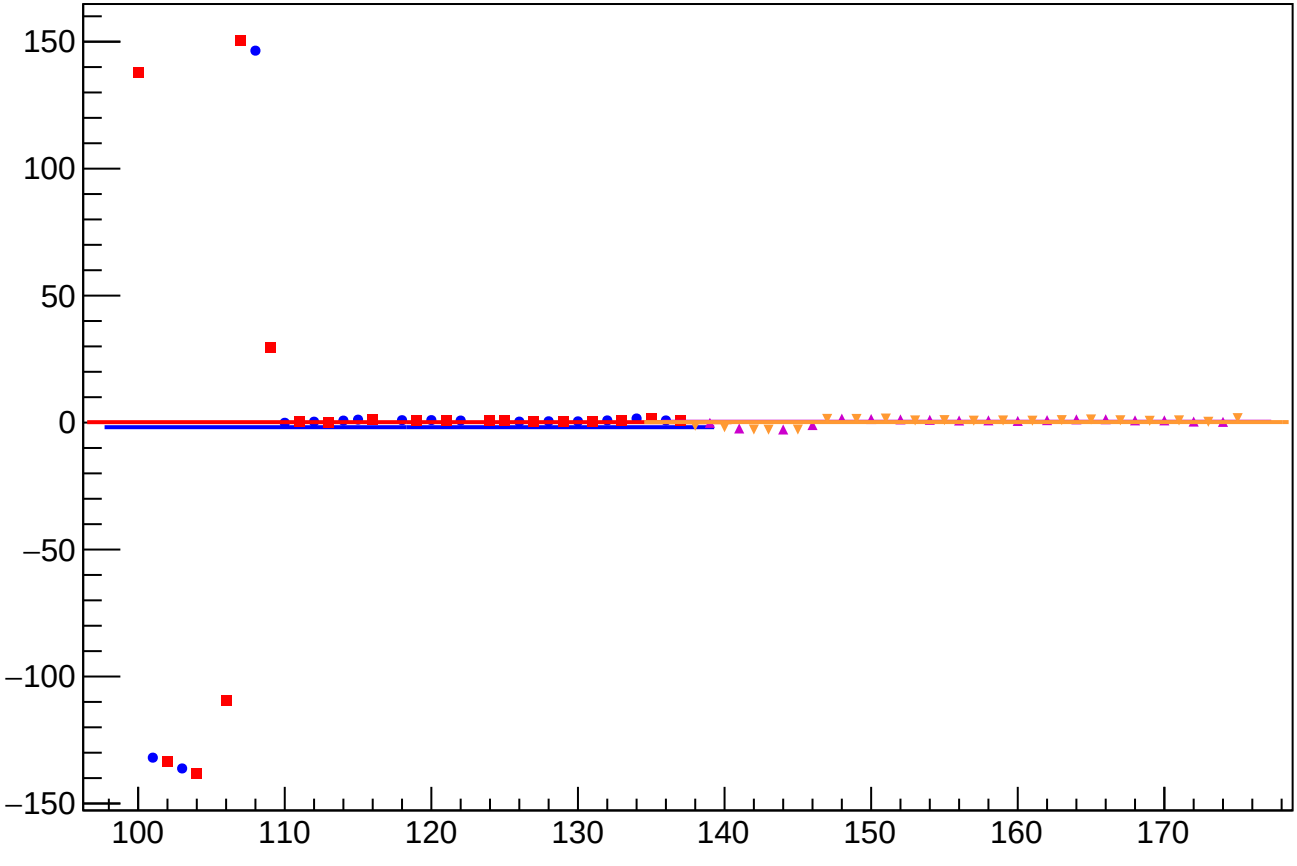
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:35511855.5/33

Out: 0.003+/-0.000 χ^2/NDF:36837588.6/38

All: 0.003+/-0.000 χ^2/NDF: 72349779.0/72

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.197+/-0.000 χ^2/NDF:107225910.2/19

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.343+/-0.000 χ^2/NDF:70224761.6/17

Left: 0.266+/-0.000 χ^2/NDF: 177931408.8/37

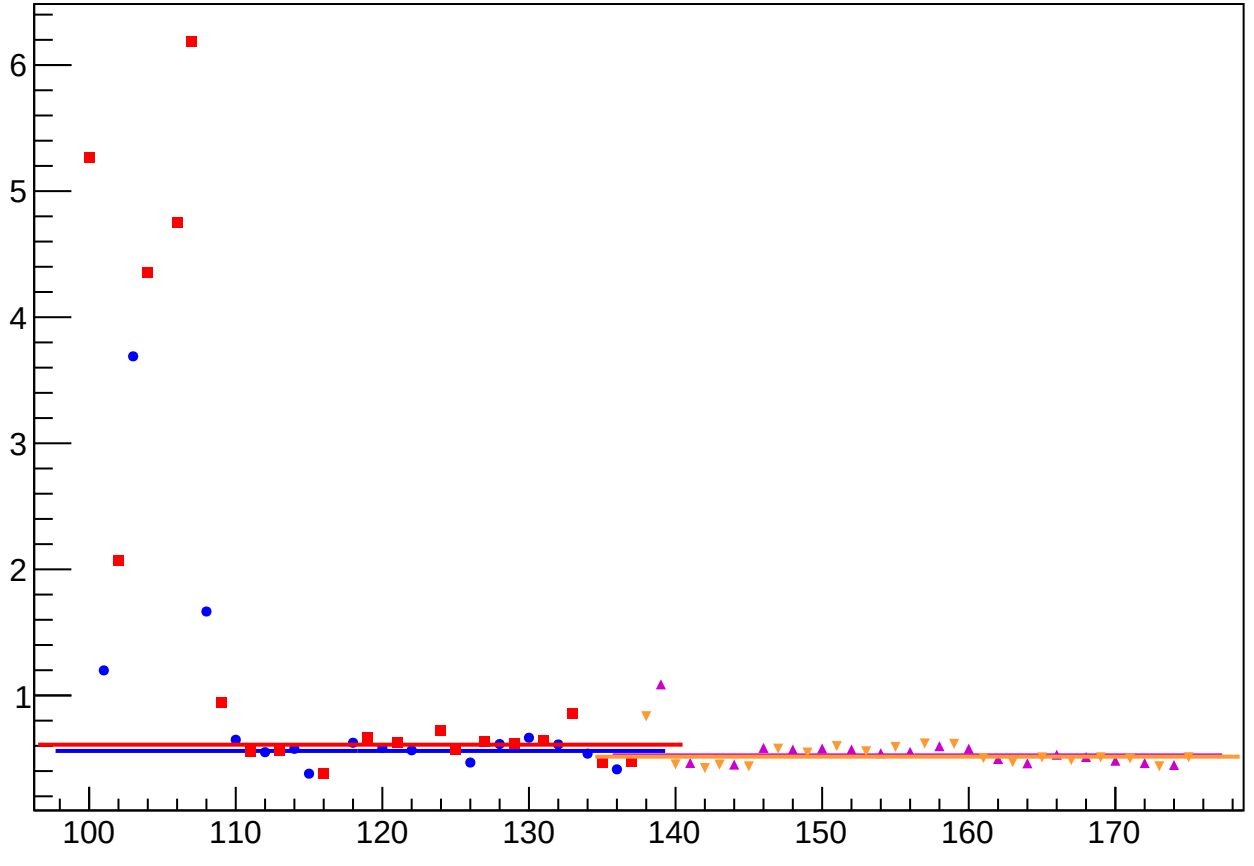
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.245+/-0.000 χ^2/NDF:10012208070.8/33

Out: 0.190+/-0.000 χ^2/NDF:3718481826.2/38

All: -0.024+/-0.000 χ^2/NDF: 13736391459.6/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.514+/-0.000 χ^2/NDF:518646.8/19

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.525+/-0.000 χ^2/NDF:687595.8/17

Left: 0.519+/-0.000 χ^2/NDF: 1211038.9/37

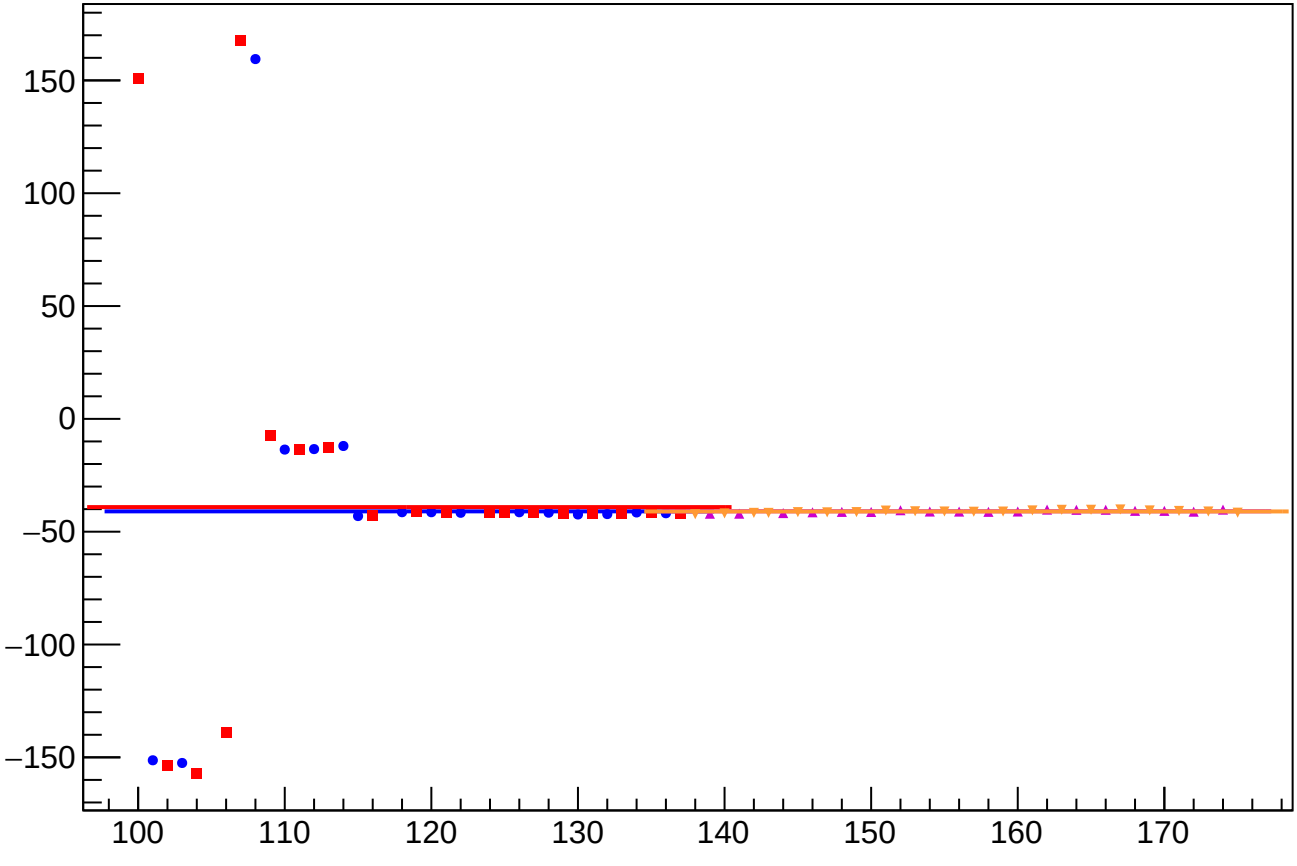
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.534+/-0.000 χ^2/NDF:2315316.8/33

Out: 0.535+/-0.000 χ^2/NDF:3183847.5/38

All: 0.535+/-0.000 χ^2/NDF: 5499214.7/72

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.026+/-0.000 χ^2/NDF:33331789.4/19

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -40.952+/-0.000 χ^2/NDF:32741400.3/17

Left: -40.990+/-0.000 χ^2/NDF: 66398510.5/37

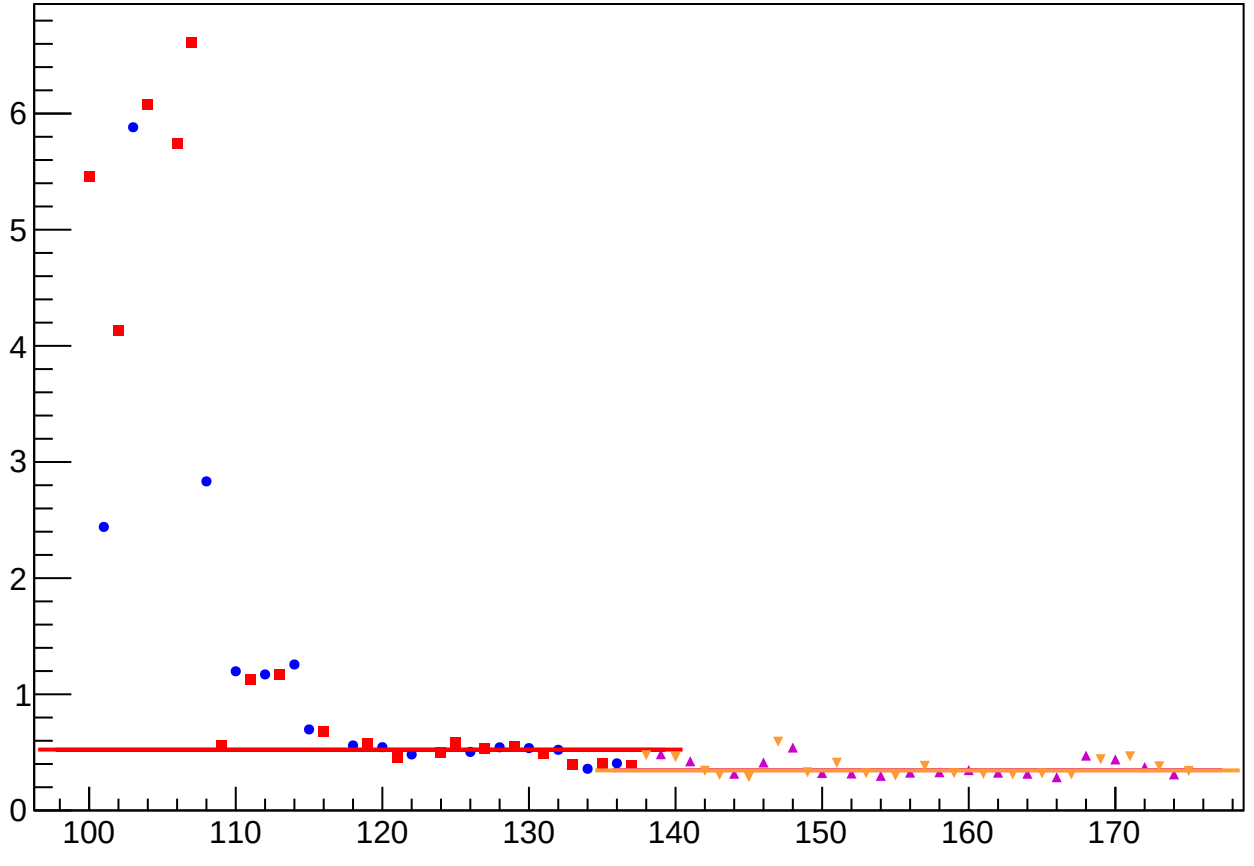
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.957+/-0.000 χ^2/NDF:3482383021.8/33

Out: -40.781+/-0.000 χ^2/NDF:2571365583.1/38

All: -40.866+/-0.000 χ^2/NDF: 6055856627.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:922266.3/19

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.347+/-0.000 χ^2/NDF:790716.6/17

Left: 0.346+/-0.000 χ^2/NDF: 1713616.2/37

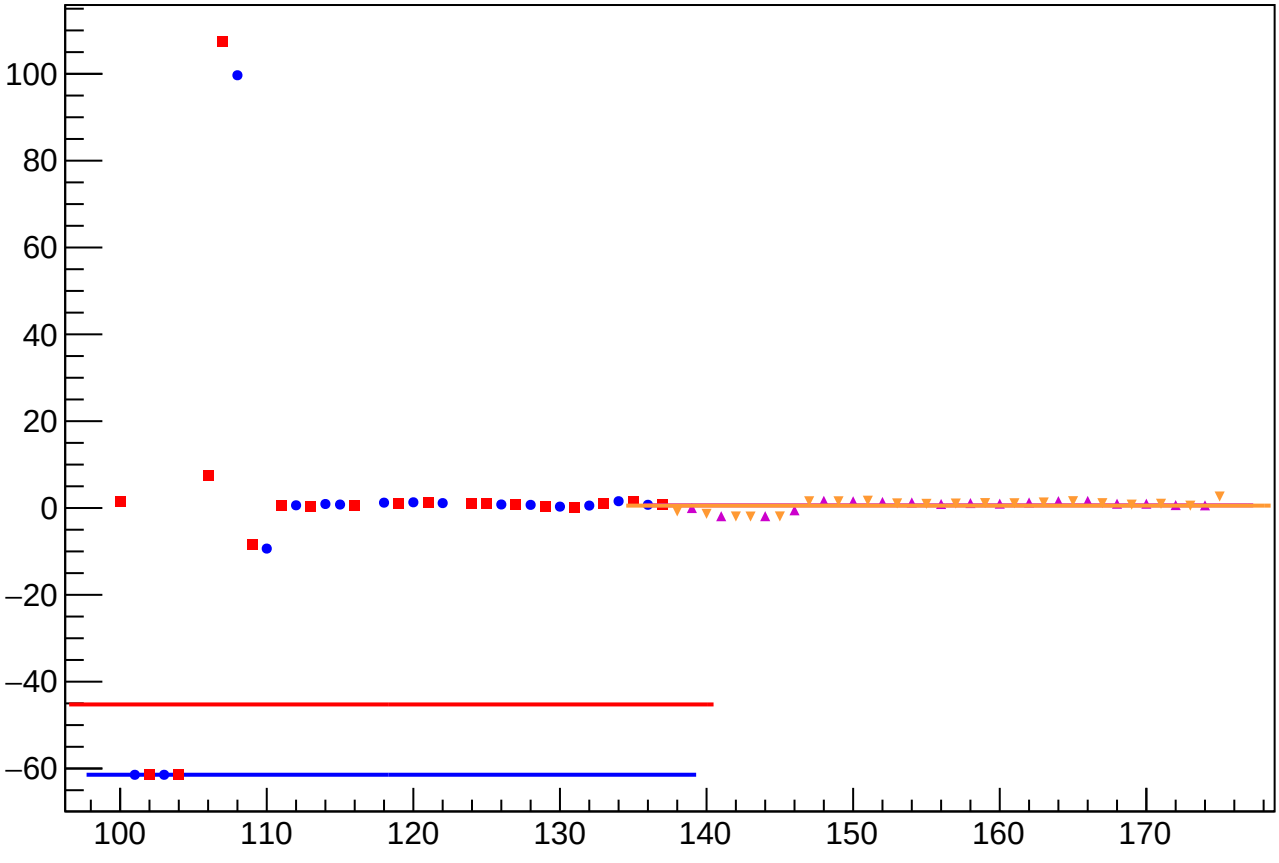
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.372+/-0.000 χ^2/NDF:4709609.6/33

Out: 0.368+/-0.000 χ^2/NDF:5188470.5/38

All: 0.370+/-0.000 χ^2/NDF: 9900206.1/72

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:119164996.0/19

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.615+/-0.000 χ^2/NDF:77263279.2/17

Left: 0.580+/-0.000 χ^2/NDF: 196571009.9/37

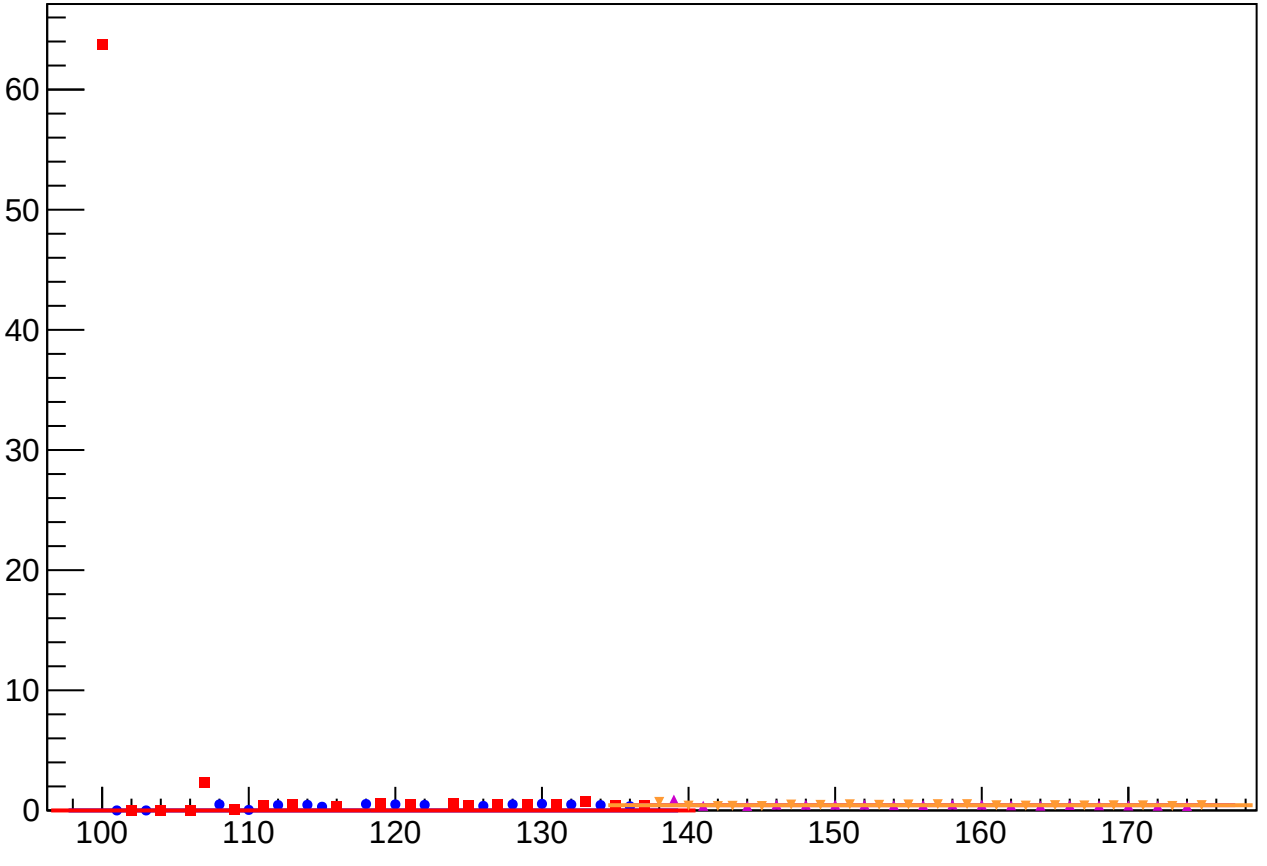
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.426+/-0.000 χ^2/NDF:505823322478.8/33

Out: -45.238+/-0.000 χ^2/NDF:358010844379856.1

All: -52.740+/-0.000 χ^2/NDF: 409484068462

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.435+/-0.000 χ^2/NDF:507775.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.445+/-0.000 χ^2/NDF:663232.7/17

Left: 0.440+/-0.000 χ^2/NDF: 1176322.6/37

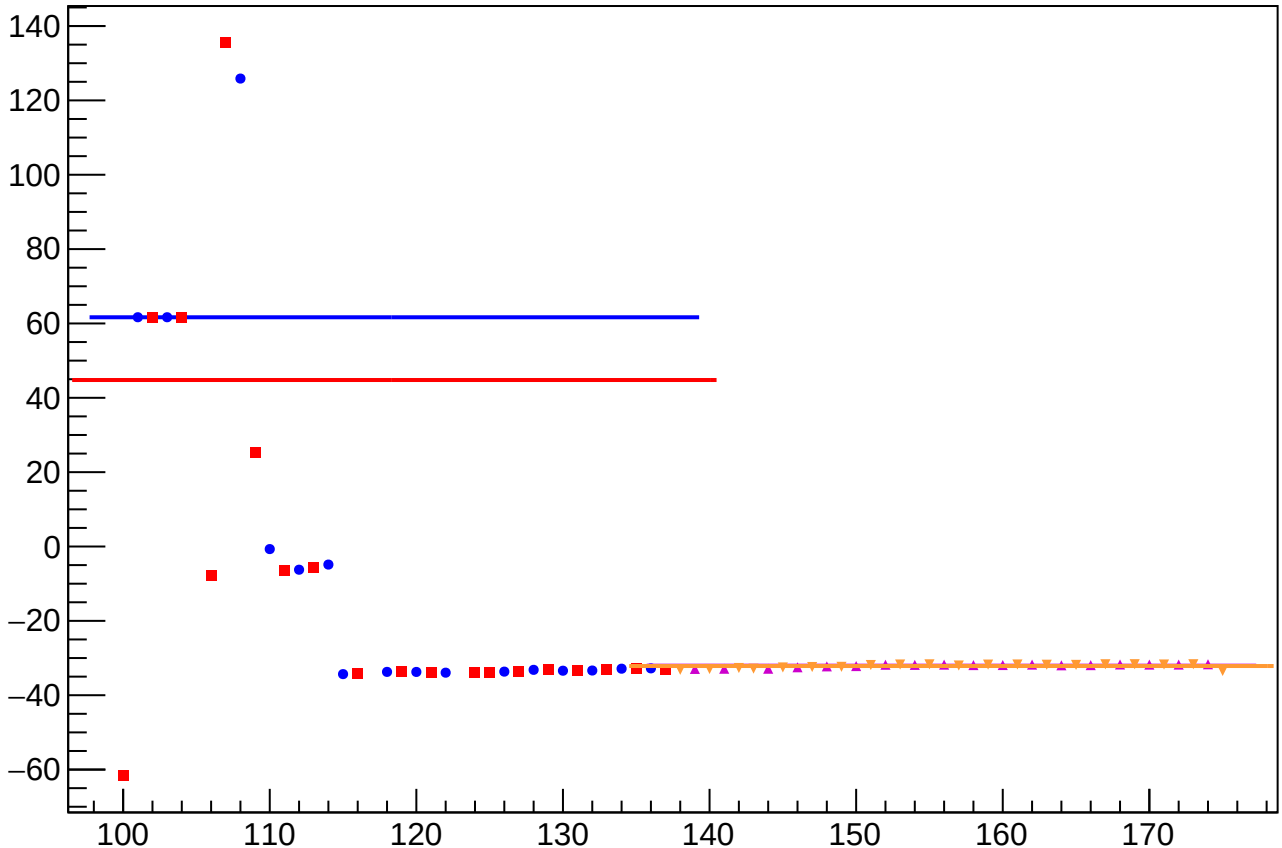
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:33508276.4/33

Out: 0.002+/-0.000 χ^2/NDF:35071898.7/38

All: 0.002+/-0.000 χ^2/NDF: 68580193.5/72

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.148+/-0.000 χ^2/NDF:56907892.4/19

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.049+/-0.000 χ^2/NDF:29658550.8/17

Left: -32.100+/-0.000 χ^2/NDF: 87397695.2/37

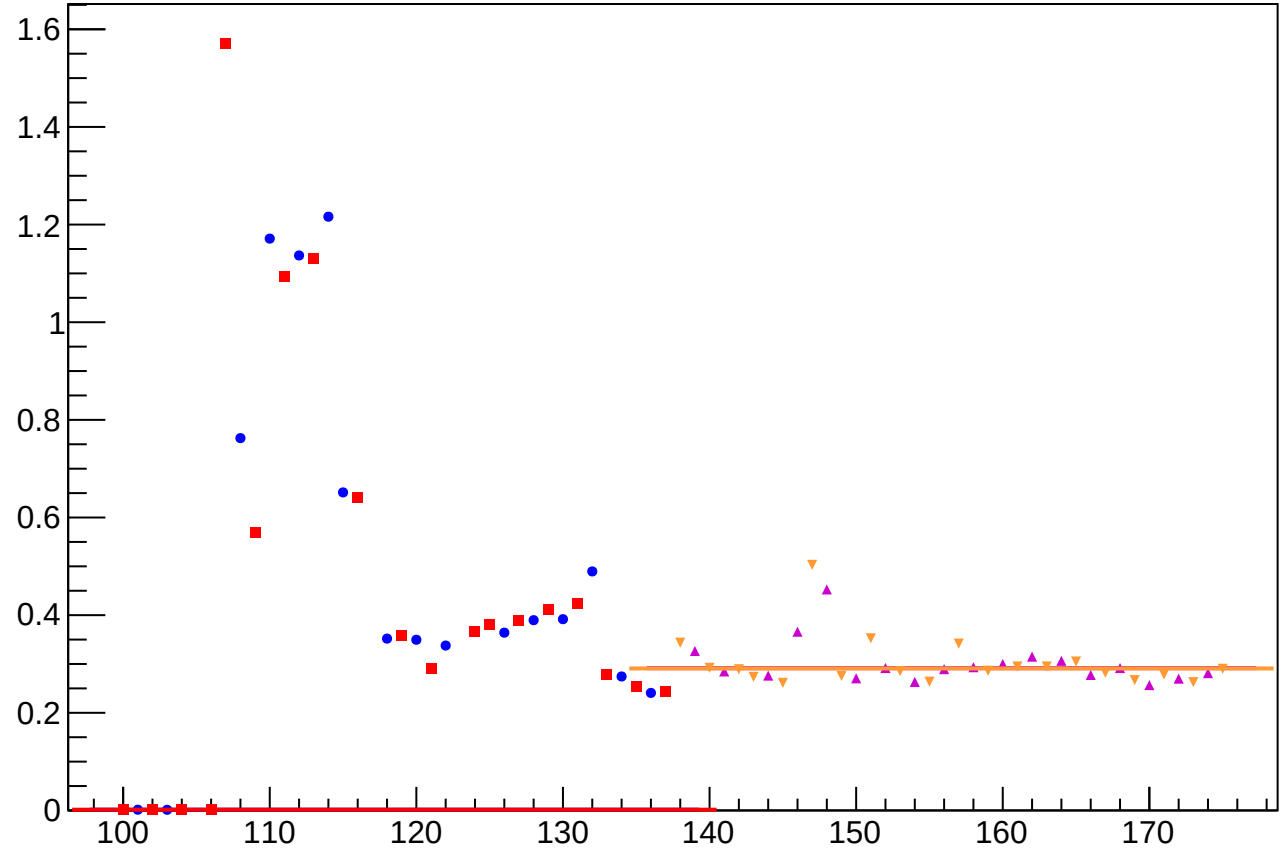
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.616+/-0.000 χ^2/NDF:1829913829166.6/33

Out: 44.750+/-0.000 χ^2/NDF:367147479032830.7

All: 52.648+/-0.000 χ^2/NDF: 4200423123652

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.291+/-0.000 χ^2/NDF:489299.4/19

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.291+/-0.000 χ^2/NDF:381084.6/17

Left: 0.291+/-0.000 χ^2/NDF: 870454.3/37

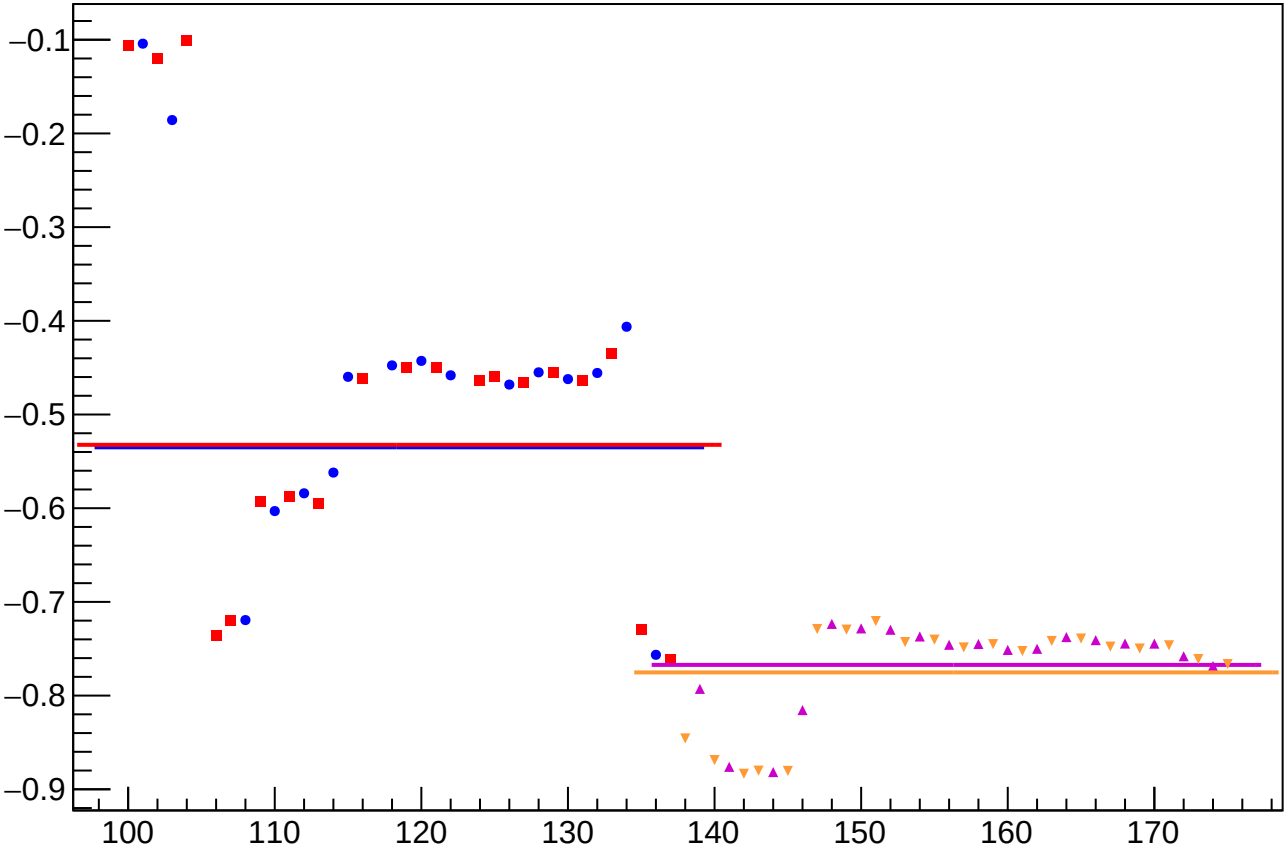
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:39369209.3/33

Out: 0.002+/-0.000 χ^2/NDF:40818398.0/38

All: 0.002+/-0.000 χ^2/NDF: 80187645.3/72

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112018149.9/19

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.767+/-0.000 χ^2/NDF:77627902.0/17

Left: -0.771+/-0.000 χ^2/NDF: 190740790.5/37

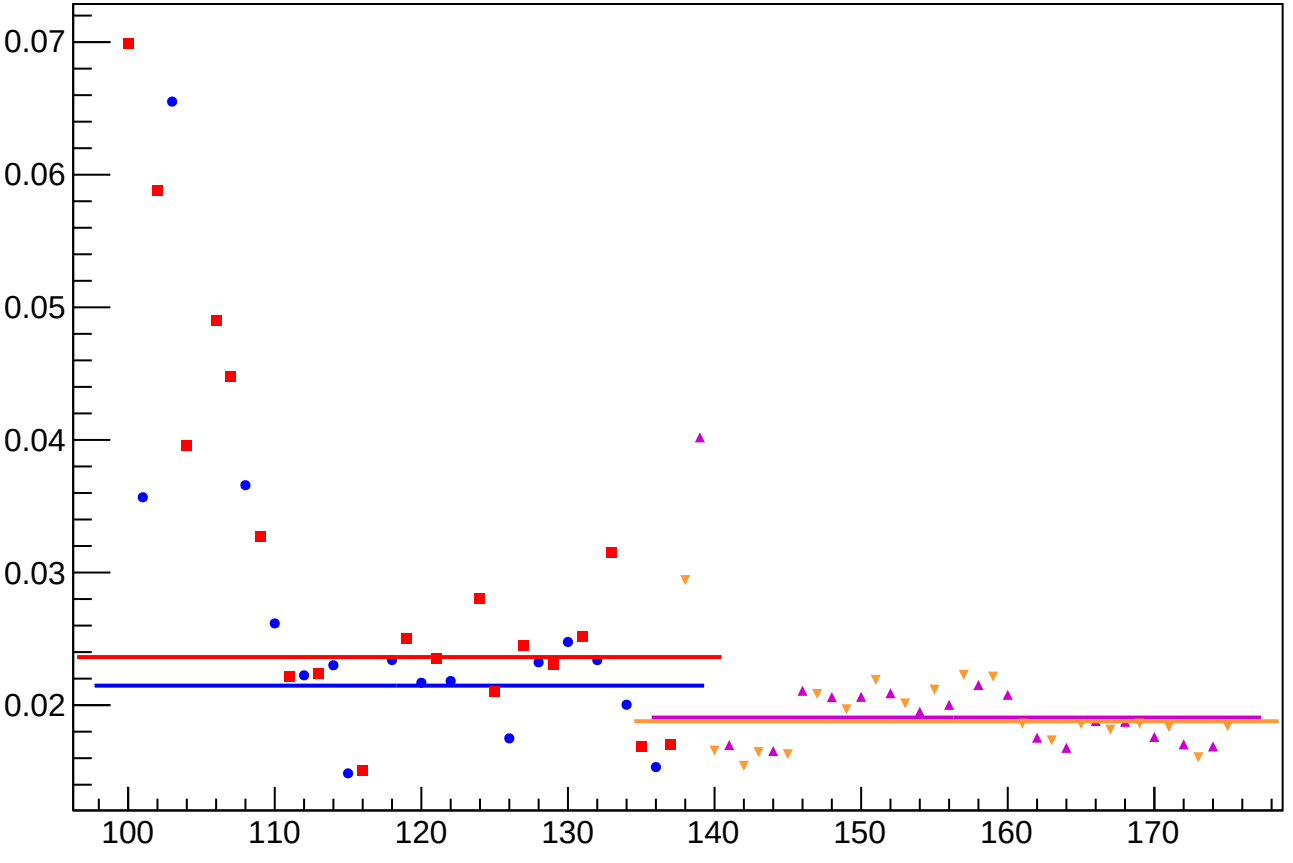
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.706+/-0.000 χ^2/NDF:840805851.2/33

Out: -0.722+/-0.000 χ^2/NDF:787211265.9/38

All: -0.714+/-0.000 χ^2/NDF: 1633817161.9/7

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:452026.8/19

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:666018.5/17

Left: 0.019+/-0.000 χ^2/NDF: 1120666.3/37

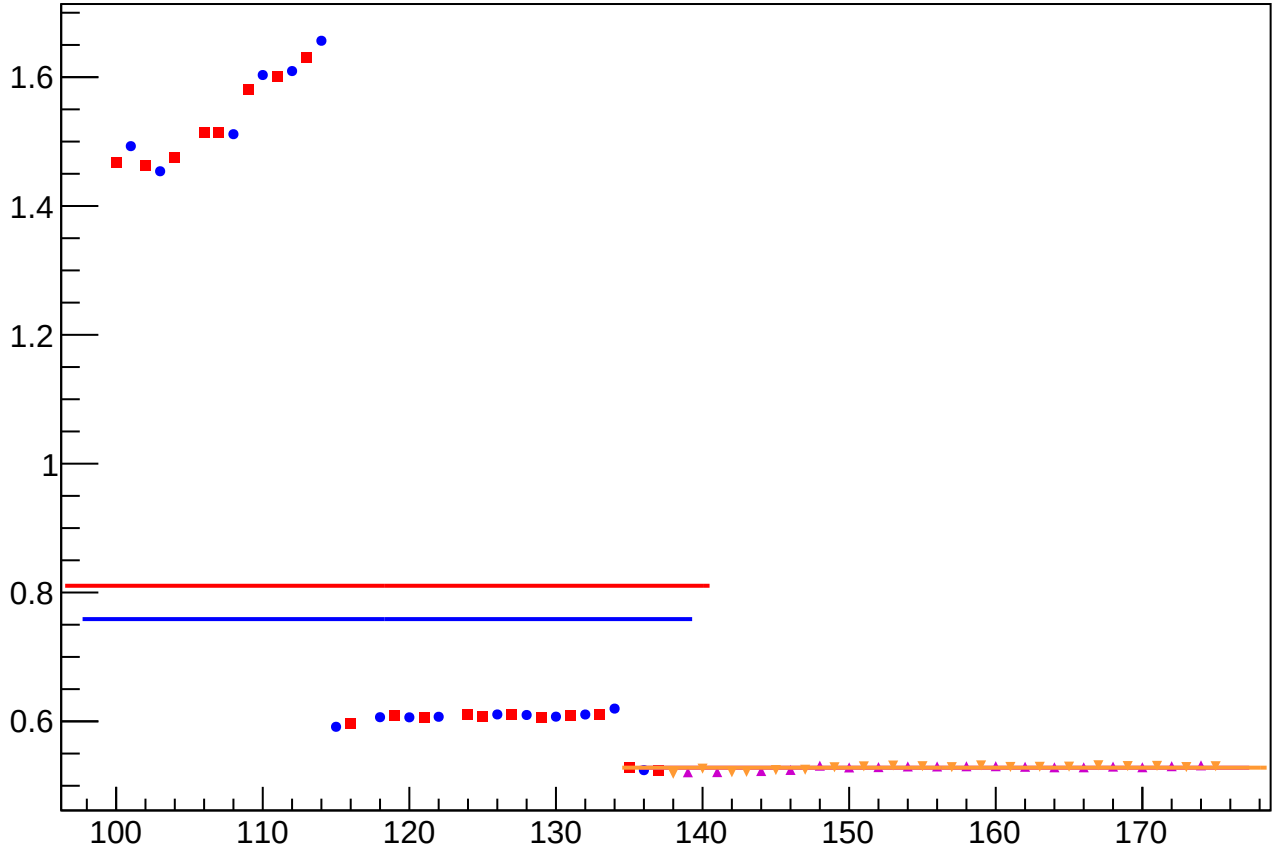
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1919323.9/33

Out: 0.020+/-0.000 χ^2/NDF:2095057.9/38

All: 0.020+/-0.000 χ^2/NDF: 4015337.3/72

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1439354.6/19

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:1118479.1/17

Left: 0.528+/-0.000 χ^2/NDF: 2558868.5/37

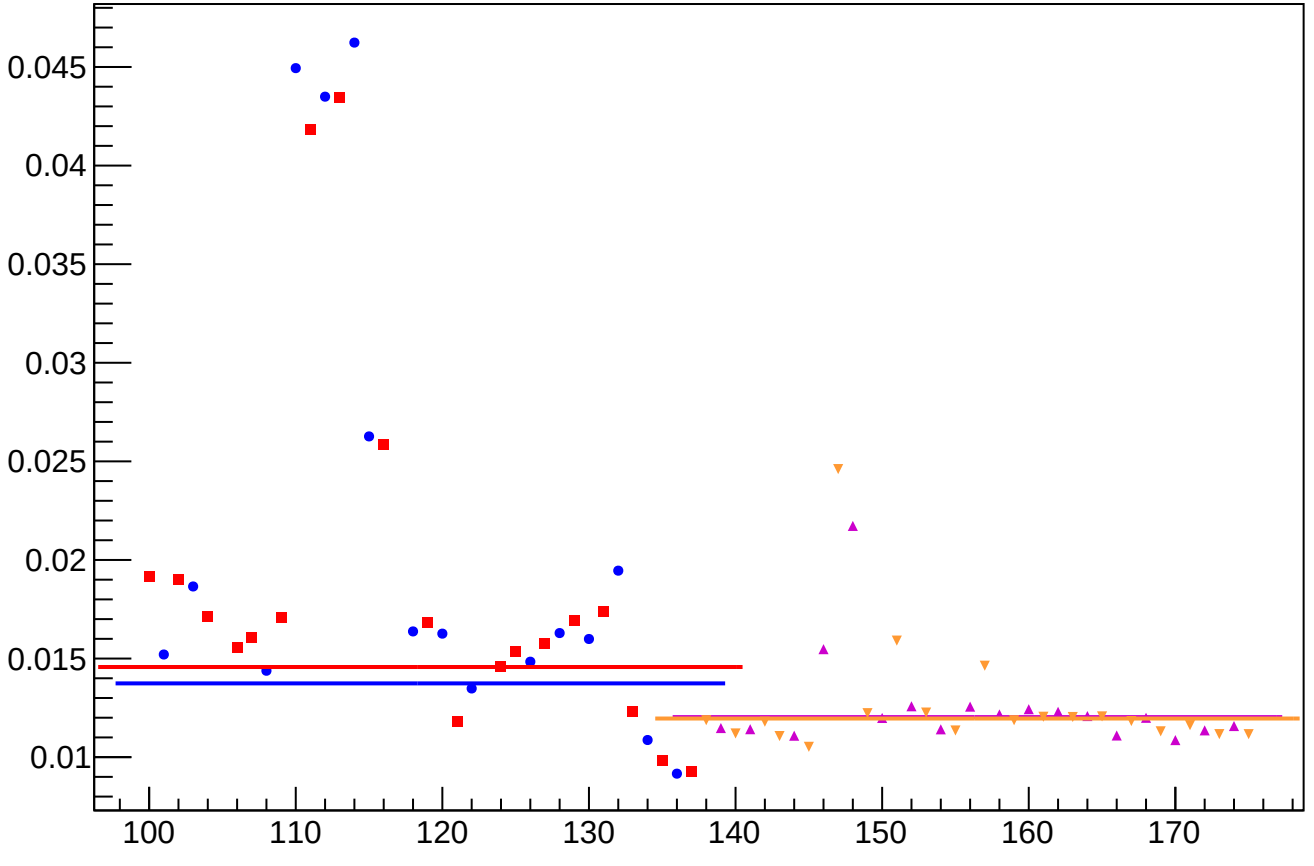
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.584+/-0.000 χ^2/NDF:5575632748.2/33

Out: 0.590+/-0.000 χ^2/NDF:6602691621.5/38

All: 0.587+/-0.000 χ^2/NDF: 12180337375.2/7

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:644469.2/19

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:462289.7/17

Left: 0.012+/-0.000 χ^2/NDF: 1107300.1/37

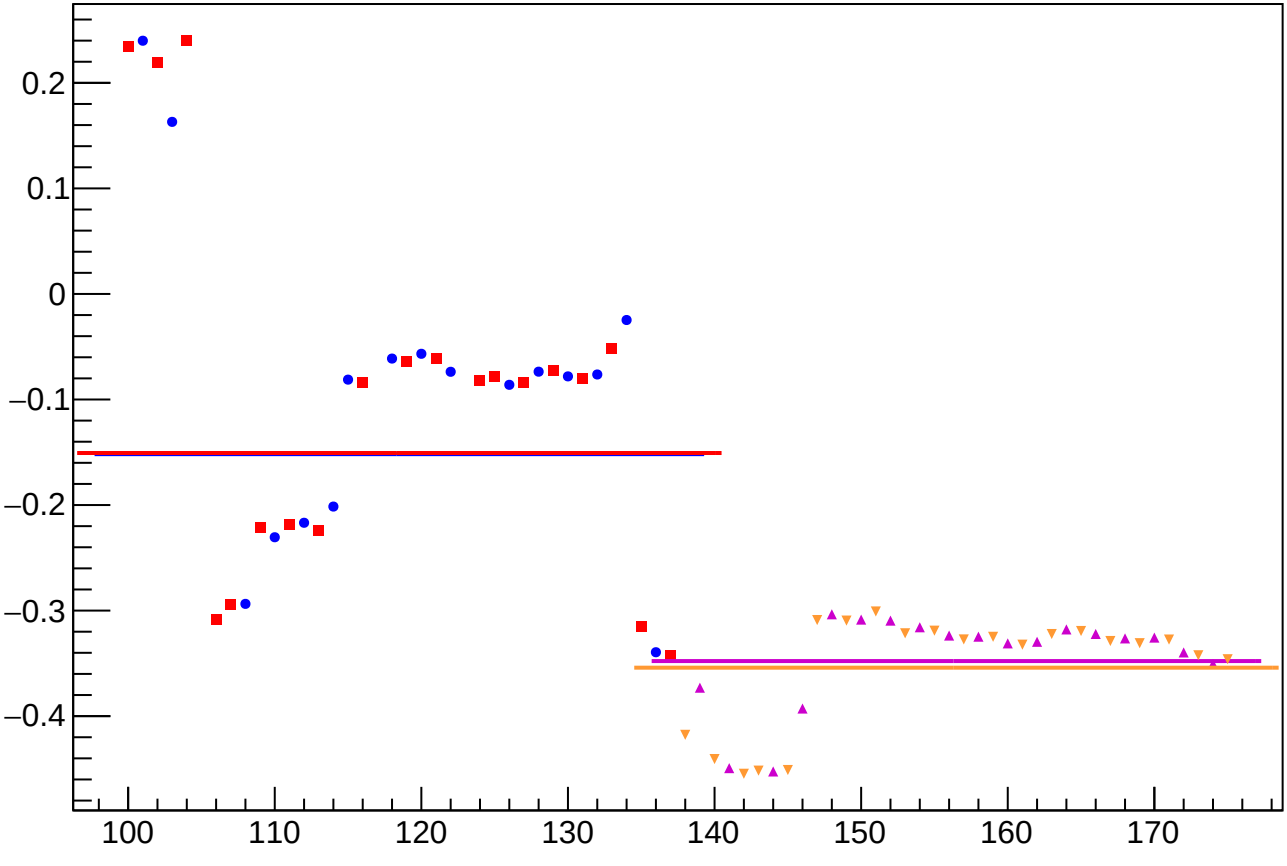
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2251360.7/33

Out: 0.013+/-0.000 χ^2/NDF:2413143.0/38

All: 0.012+/-0.000 χ^2/NDF: 4665359.8/72

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107932361.6/19

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.348+/-0.000 χ^2/NDF:78130241.5/17

Left: -0.351+/-0.000 χ^2/NDF: 186785147.2/37

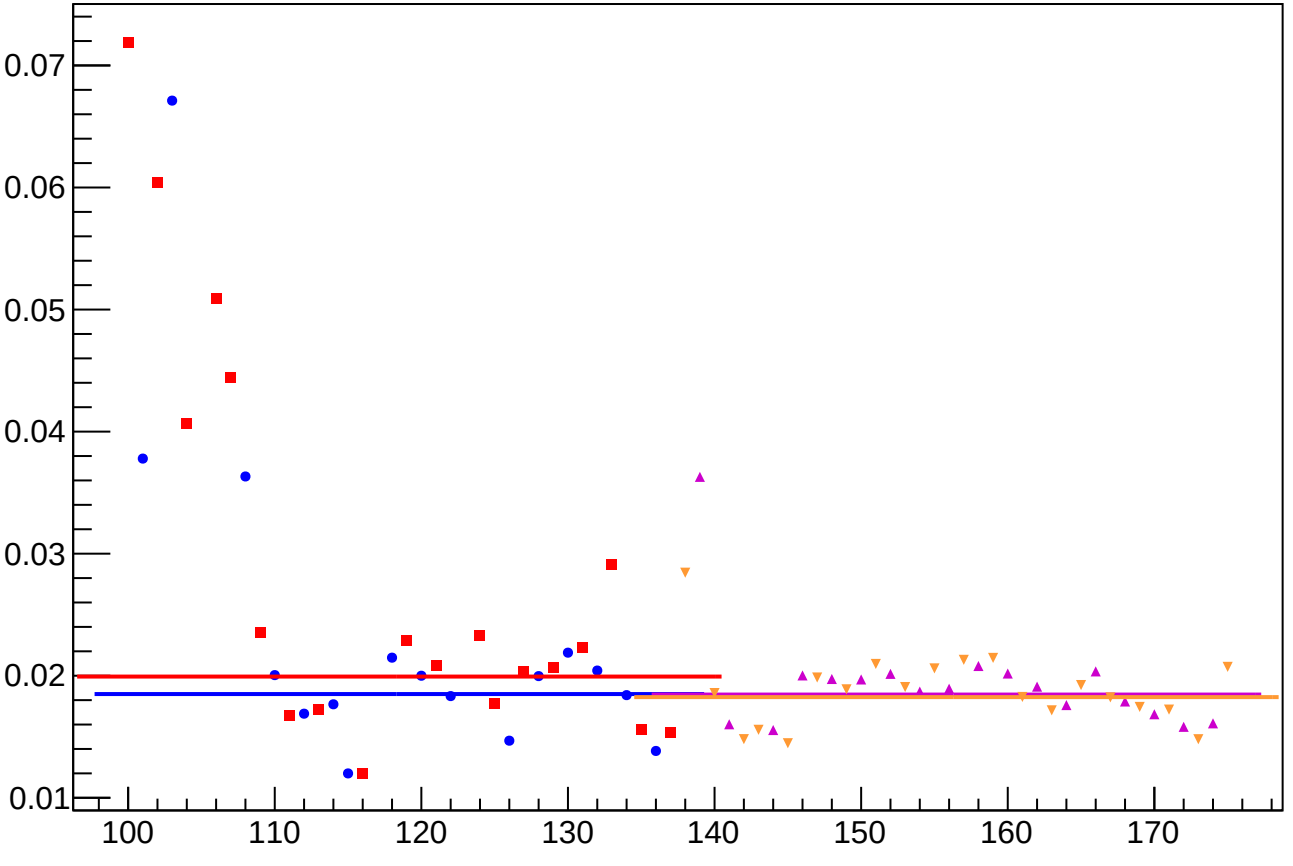
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.288+/-0.000 χ^2/NDF:766841784.9/33

Out: -0.301+/-0.000 χ^2/NDF:725261812.2/38

All: -0.294+/-0.000 χ^2/NDF: 1496082557.2/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:538586.5/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:634848.9/17

Left: 0.018+/-0.000 χ^2/NDF: 1175043.3/37

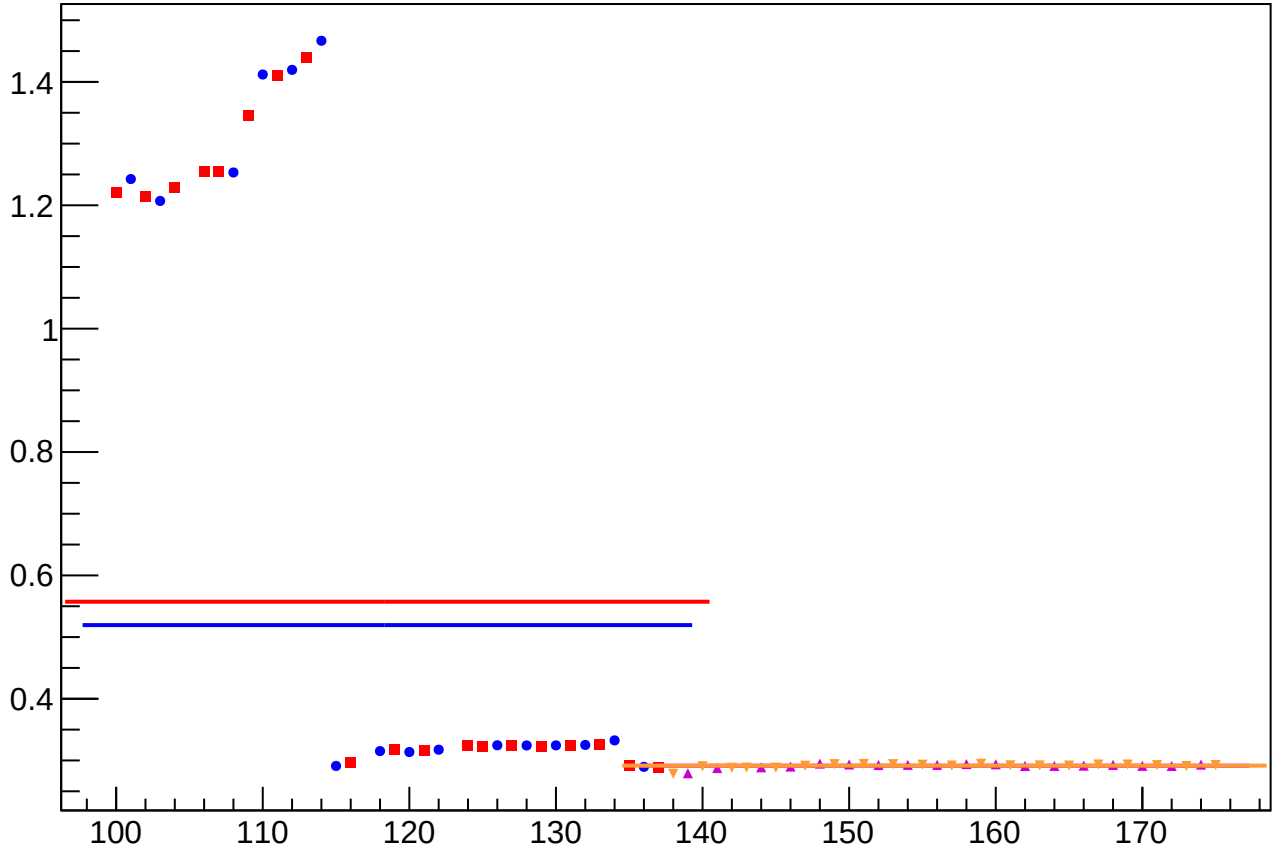
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:2007245.5/33

Out: 0.019+/-0.000 χ^2/NDF:2143447.0/38

All: 0.019+/-0.000 χ^2/NDF: 4153199.8/72

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1209734.0/19

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1215817.2/17

Left: 0.292+/-0.000 χ^2/NDF: 2427165.9/37

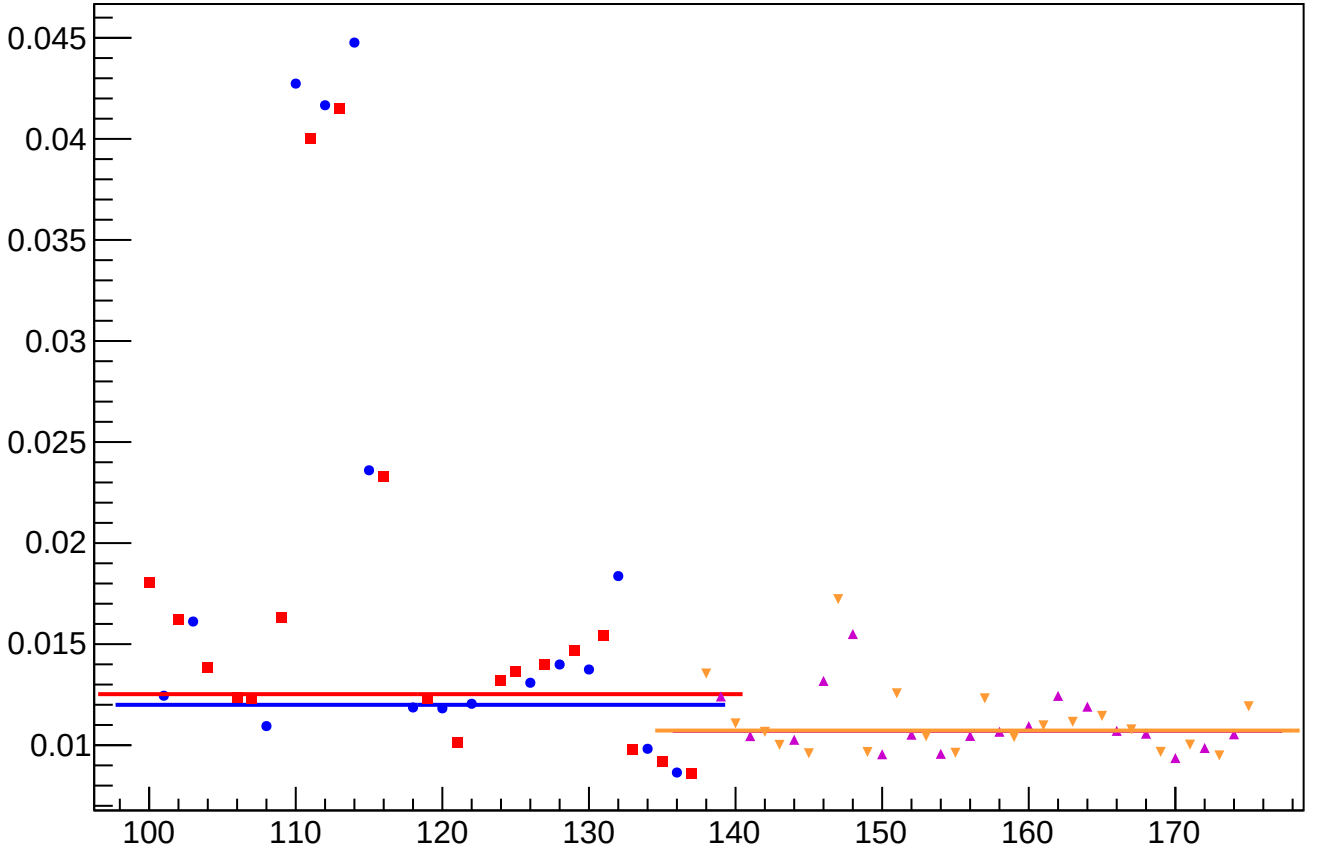
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.349+/-0.000 χ^2/NDF:7931275256.9/33

Out: 0.353+/-0.000 χ^2/NDF:8869224568.8/38

All: 0.351+/-0.000 χ^2/NDF: 16801800655.3/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:503306.2/19

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:383821.9/17

Left: 0.011+/-0.000 χ^2/NDF: 887190.3/37

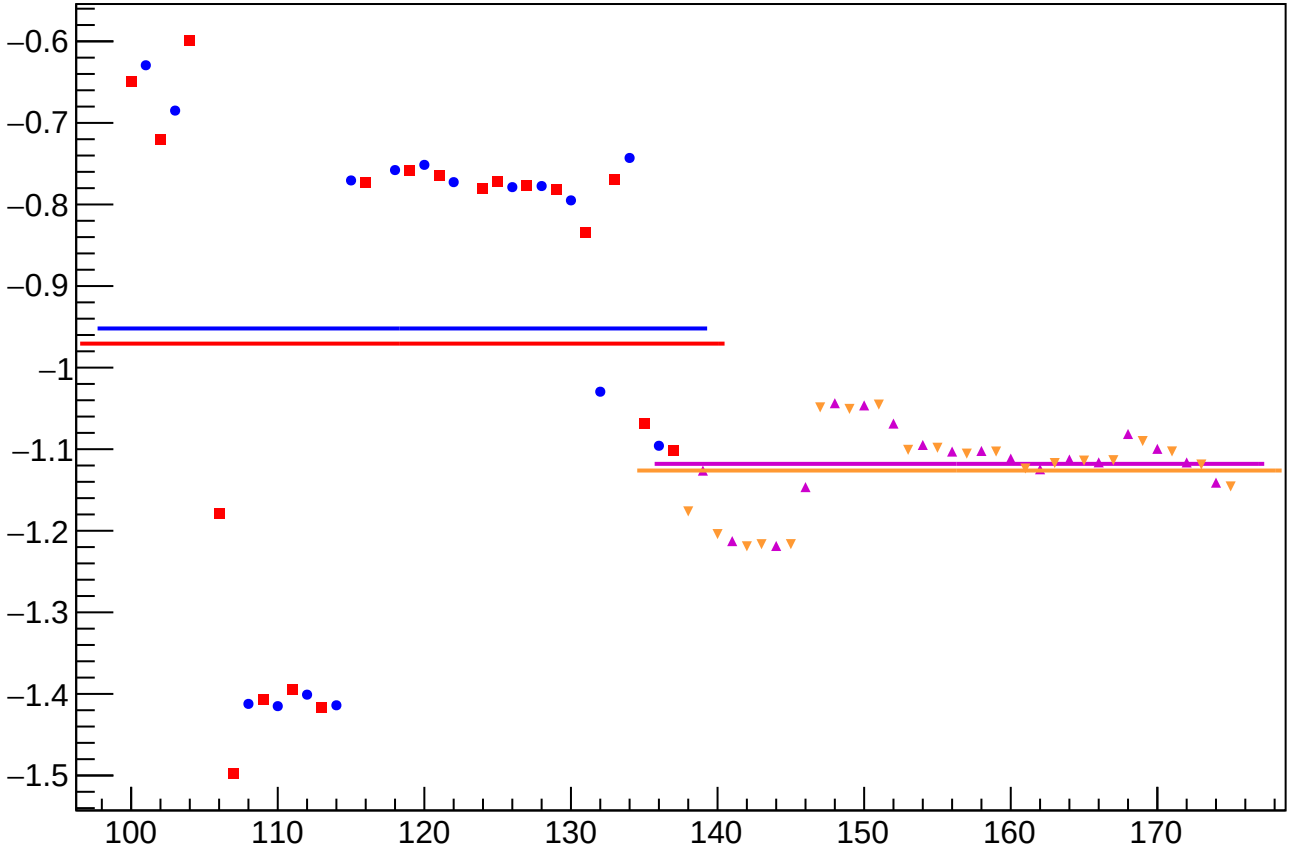
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1979419.6/33

Out: 0.011+/-0.000 χ^2/NDF:2132503.4/38

All: 0.011+/-0.000 χ^2/NDF: 4113971.9/72

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.126+/-0.000 χ^2/NDF:103314751.6/19

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.118+/-0.000 χ^2/NDF:76798626.3/17

Left: -1.122+/-0.000 χ^2/NDF: 181311016.7/37

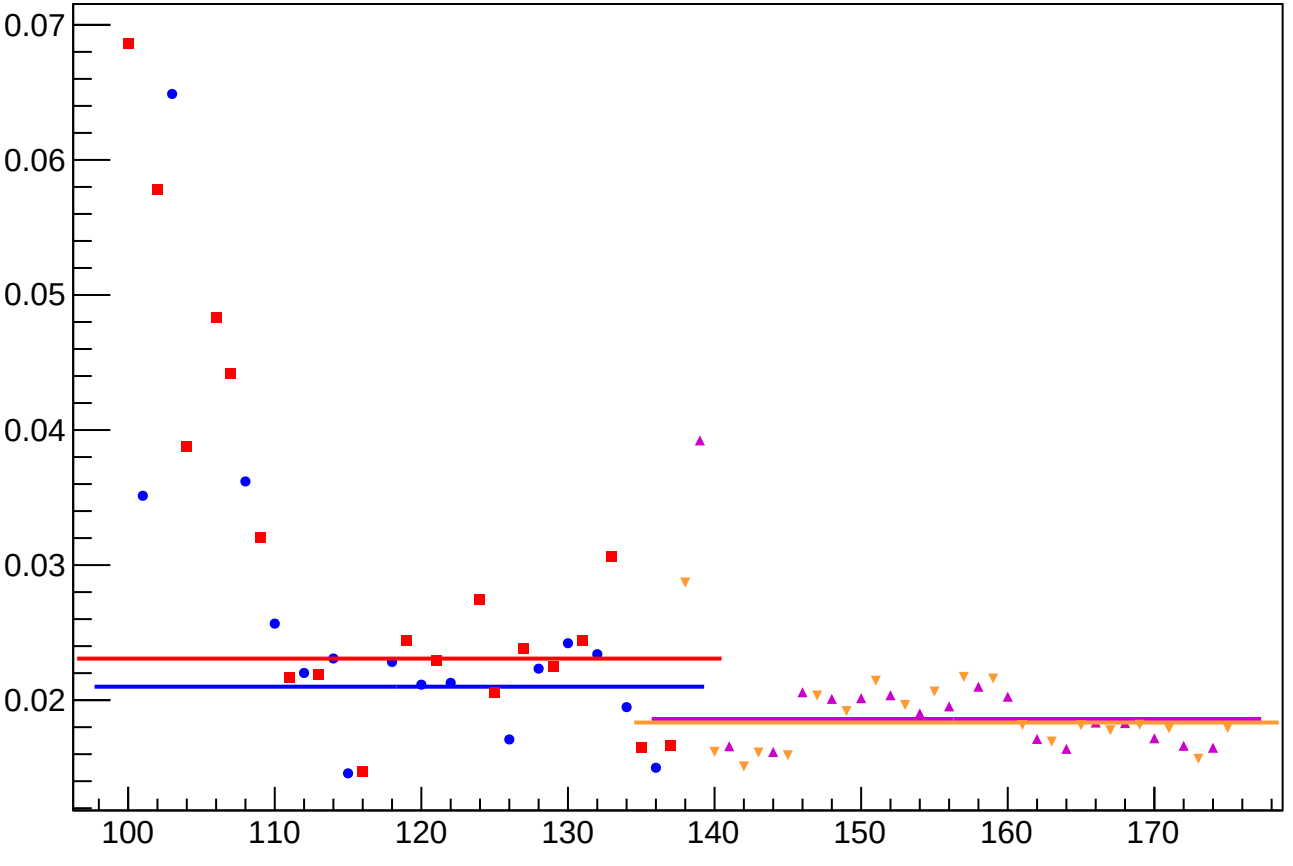
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.075+/-0.000 χ^2/NDF:1023184852.4/33

Out: -1.092+/-0.000 χ^2/NDF:1015530411.0/38

All: -1.084+/-0.000 χ^2/NDF: 2046182287.4/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:449317.7/19

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:664861.1/17

Left: 0.018+/-0.000 χ^2/NDF: 1116615.6/37

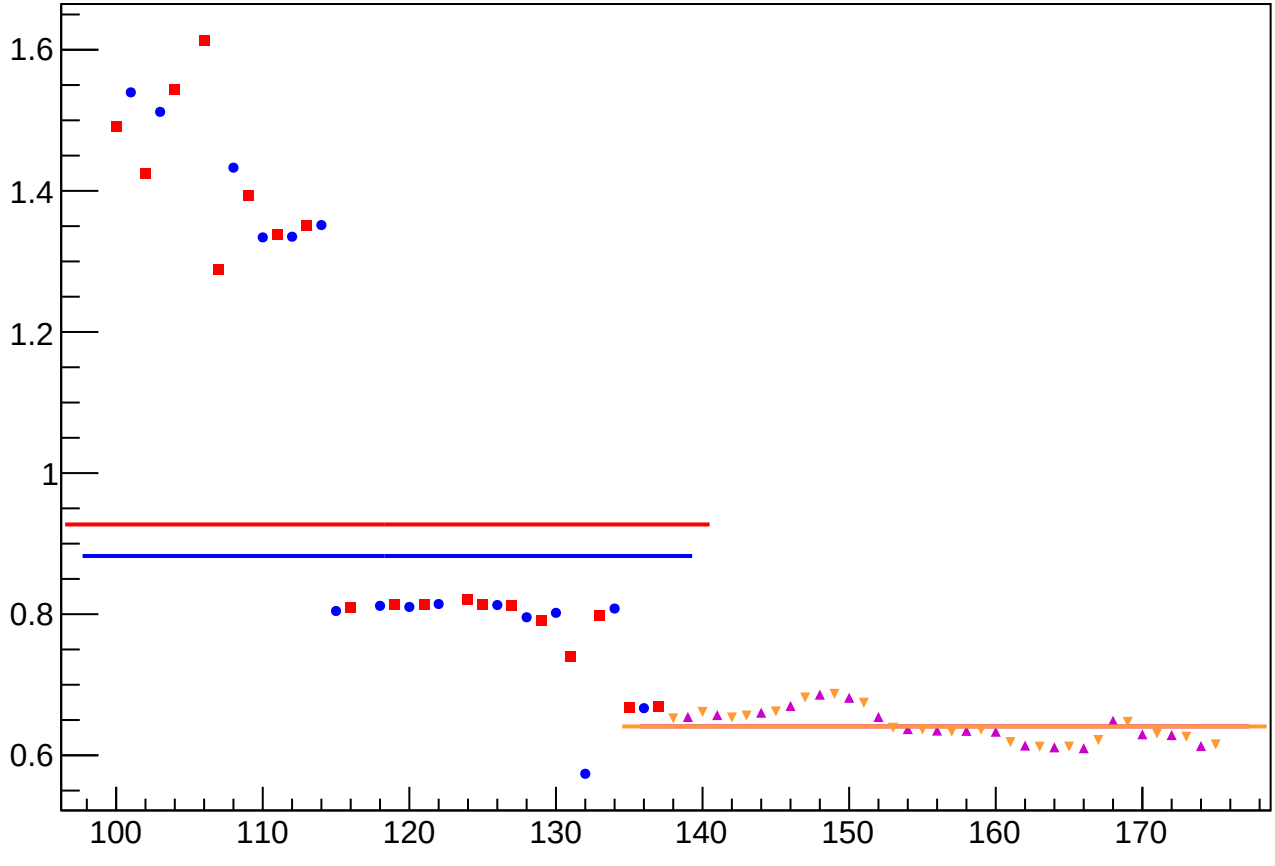
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1934430.7/33

Out: 0.019+/-0.000 χ^2/NDF:2096600.3/38

All: 0.019+/-0.000 χ^2/NDF: 4031981.5/72

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.641+/-0.000 χ^2/NDF:45678265.1/19

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.641+/-0.000 χ^2/NDF:42151946.2/17

Left: 0.641+/-0.000 χ^2/NDF: 87830681.3/37

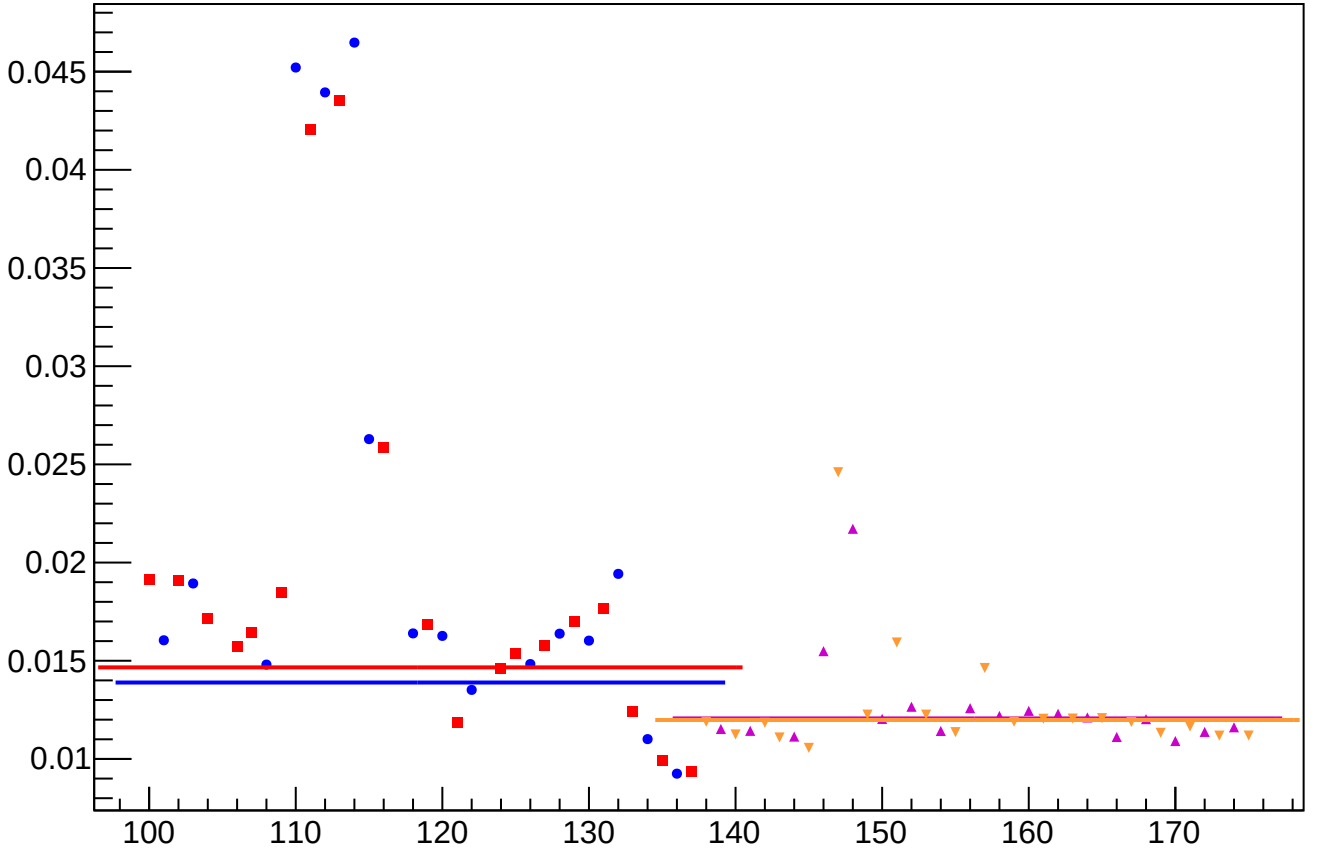
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.699+/-0.000 χ^2/NDF:4188122034.0/33

Out: 0.703+/-0.000 χ^2/NDF:4664222136.0/38

All: 0.701+/-0.000 χ^2/NDF: 8853279563.2/72

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:639088.6/19

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:458394.1/17

Left: 0.012+/-0.000 χ^2/NDF: 1098153.1/37

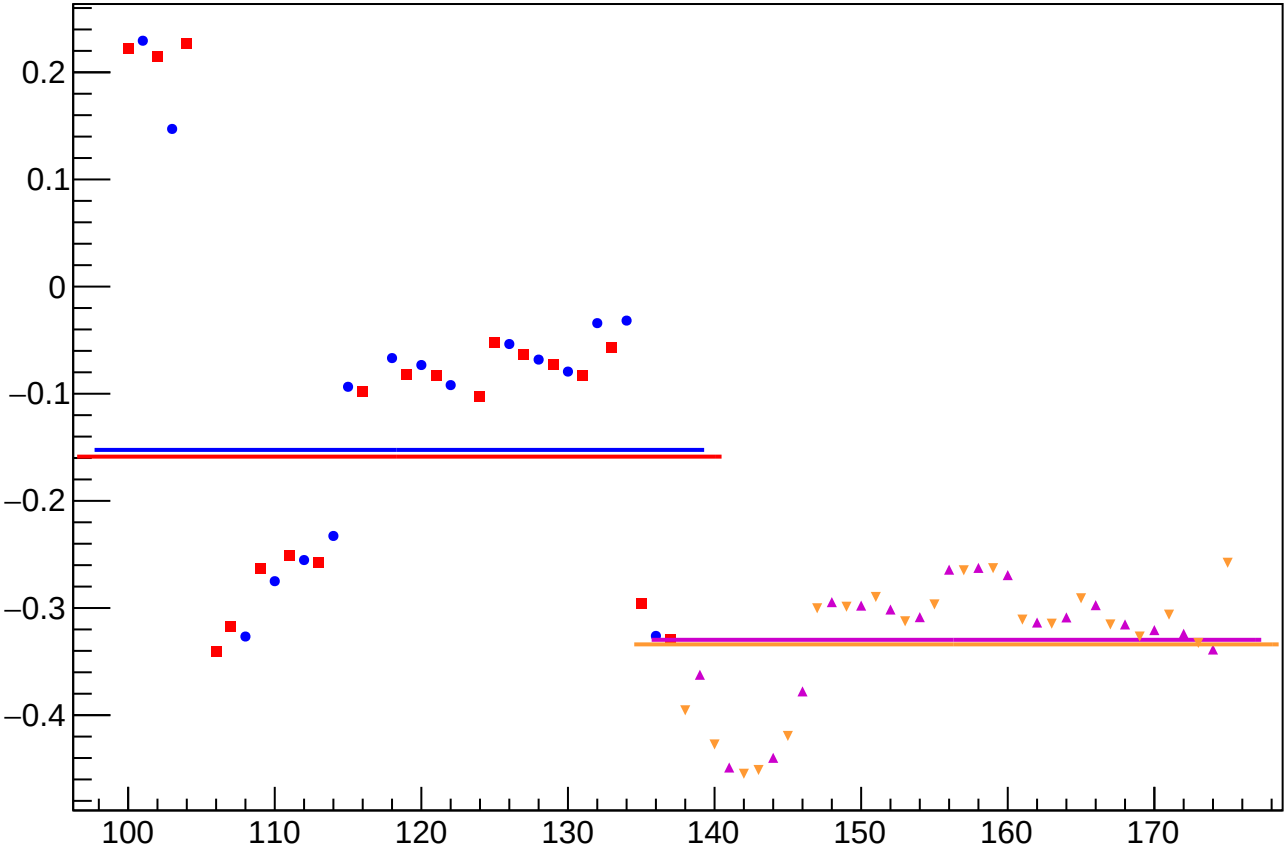
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2261111.8/33

Out: 0.013+/-0.000 χ^2/NDF:2431348.9/38

All: 0.013+/-0.000 χ^2/NDF: 4692909.4/72

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.334+/-0.000 χ^2/NDF:136320762.0/19

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.330+/-0.000 χ^2/NDF:103886315.8/17

Left: -0.332+/-0.000 χ^2/NDF: 240539656.8/37

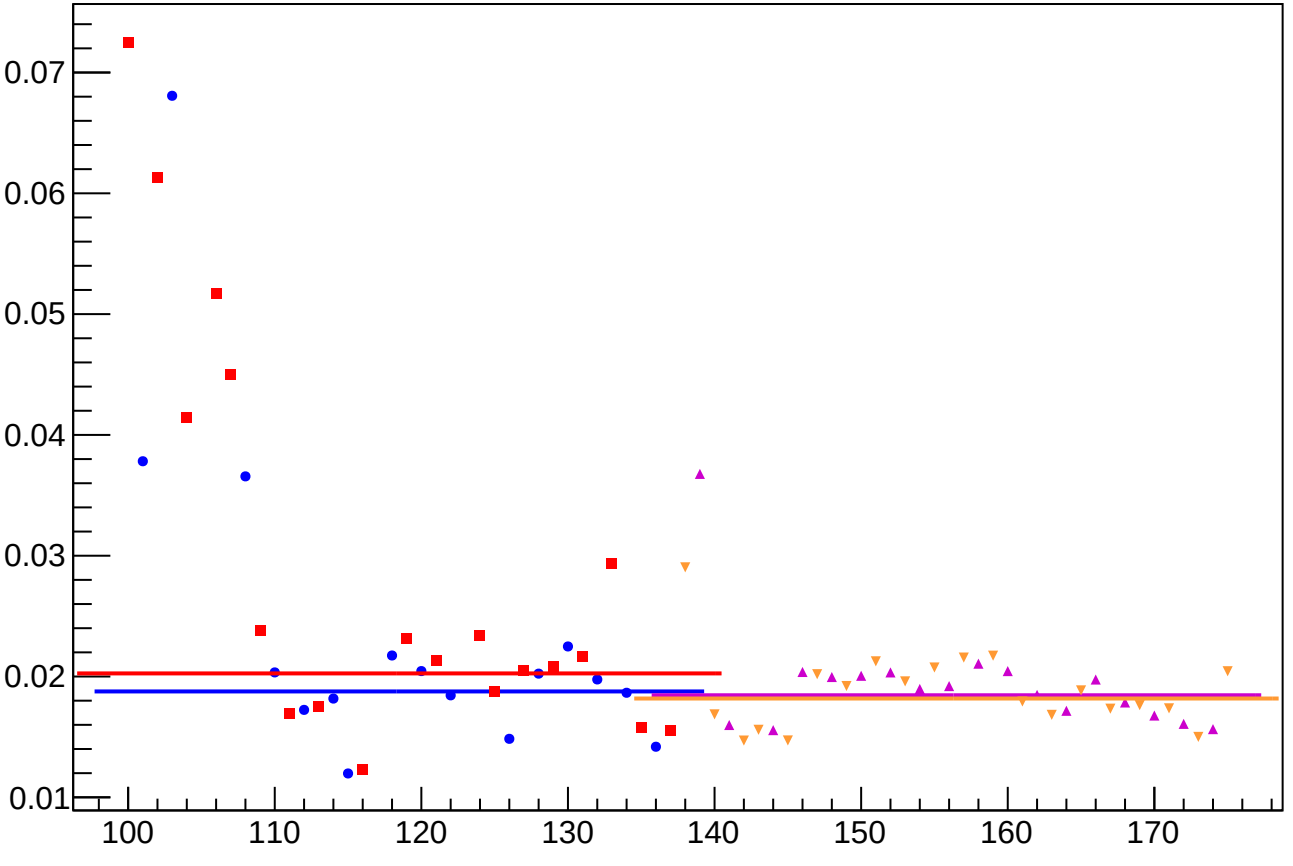
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708011409.1/33

Out: -0.289+/-0.000 χ^2/NDF:634652925.1/38

All: -0.283+/-0.000 χ^2/NDF: 1346566076.6/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:565922.4/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:672856.6/17

Left: 0.018+/-0.000 χ^2/NDF: 1241433.2/37

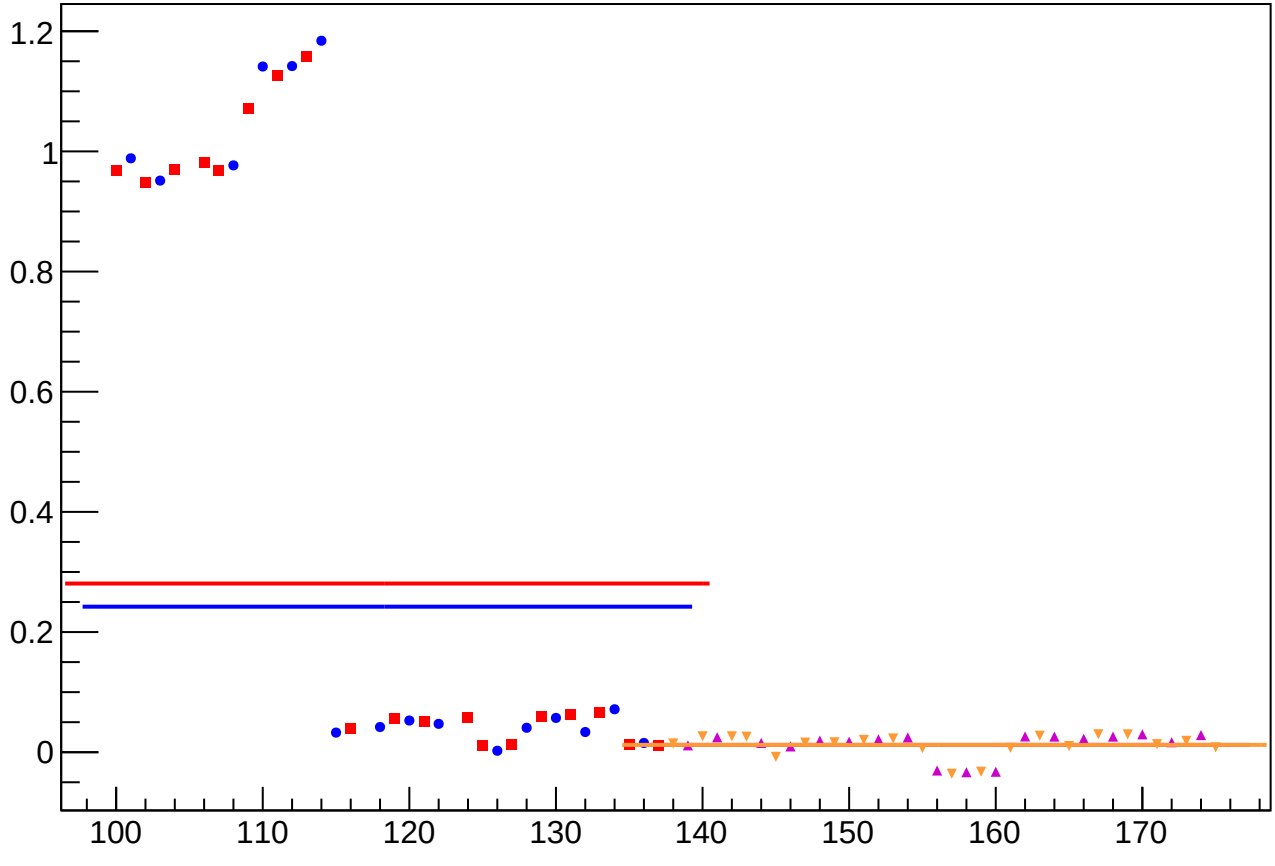
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2024371.2/33

Out: 0.019+/-0.000 χ^2/NDF:2180674.4/38

All: 0.019+/-0.000 χ^2/NDF: 4206509.1/72

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44710830.9/19

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.012+/-0.000 χ^2/NDF:57552153.8/17

Left: 0.012+/-0.000 χ^2/NDF: 102263010.6/37

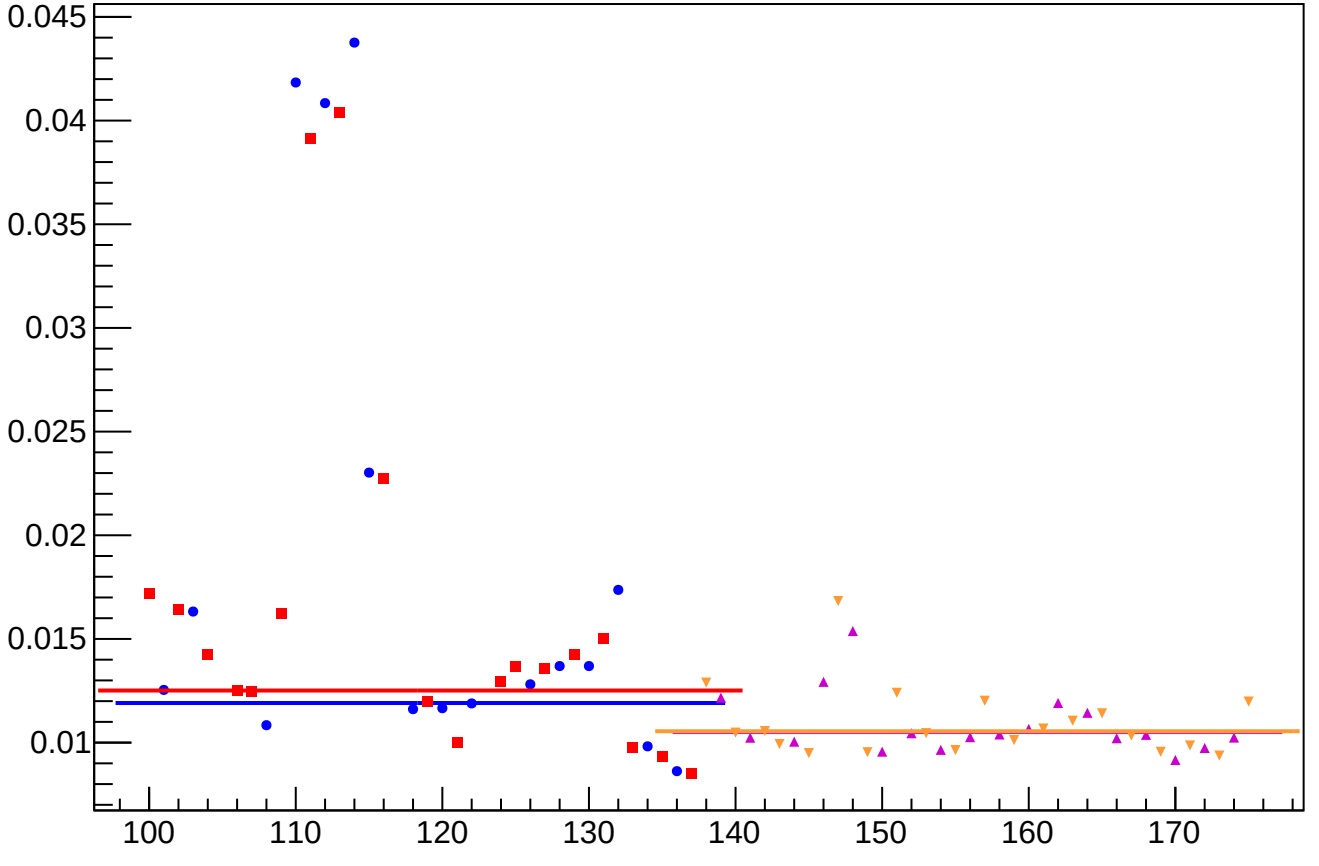
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.069+/-0.000 χ^2/NDF:8240511221.1/33

Out: 0.073+/-0.000 χ^2/NDF:8991150536.0/38

All: 0.071+/-0.000 χ^2/NDF: 17232693981.8/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:472625.5/19

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360536.8/17

Left: 0.011+/-0.000 χ^2/NDF: 833361.5/37

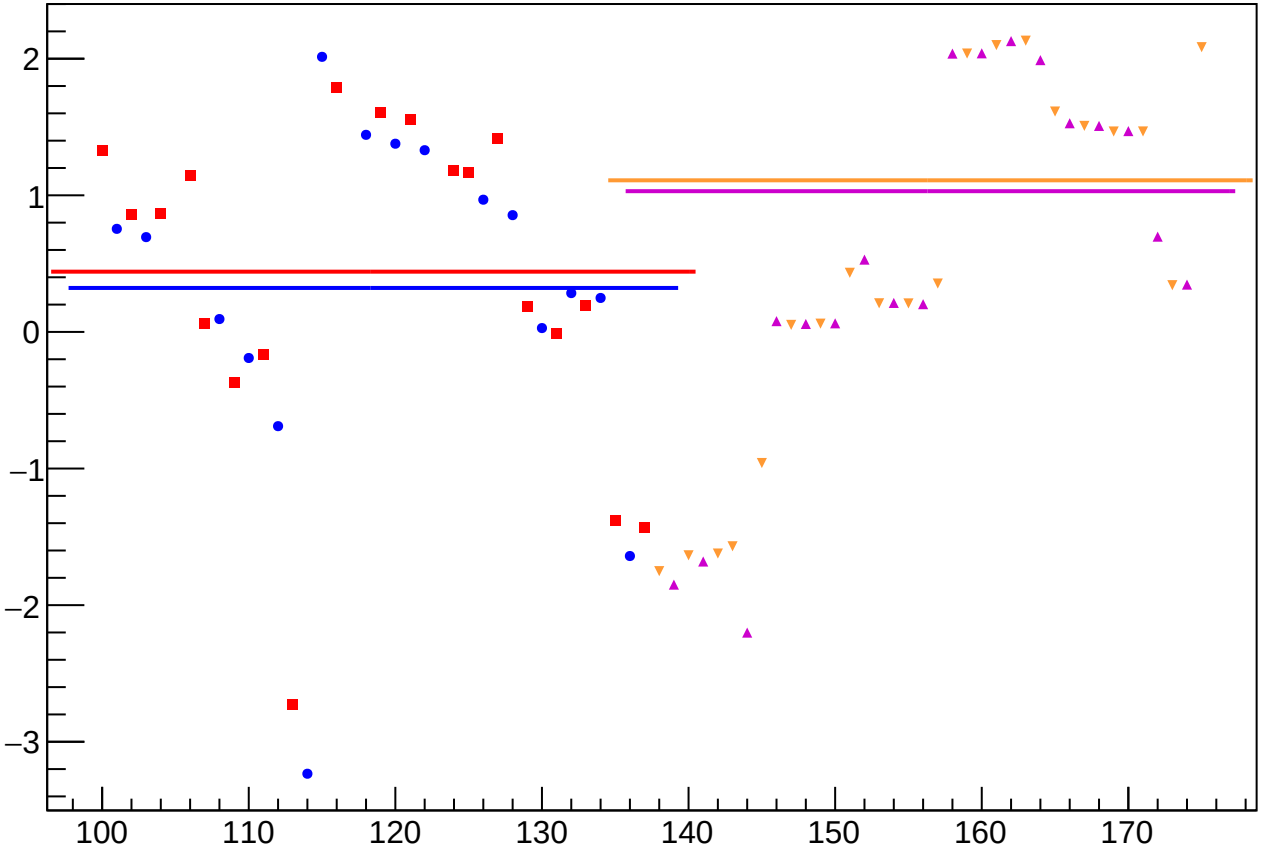
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1944291.6/33

Out: 0.011+/-0.000 χ^2/NDF:2099309.8/38

All: 0.011+/-0.000 χ^2/NDF: 4046699.0/72

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.110+/-0.000 χ^2/NDF:34660384567.3/19

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.030+/-0.000 χ^2/NDF:35605605140.6/17

Left: 1.069+/-0.000 χ^2/NDF: 70414638855.5/37

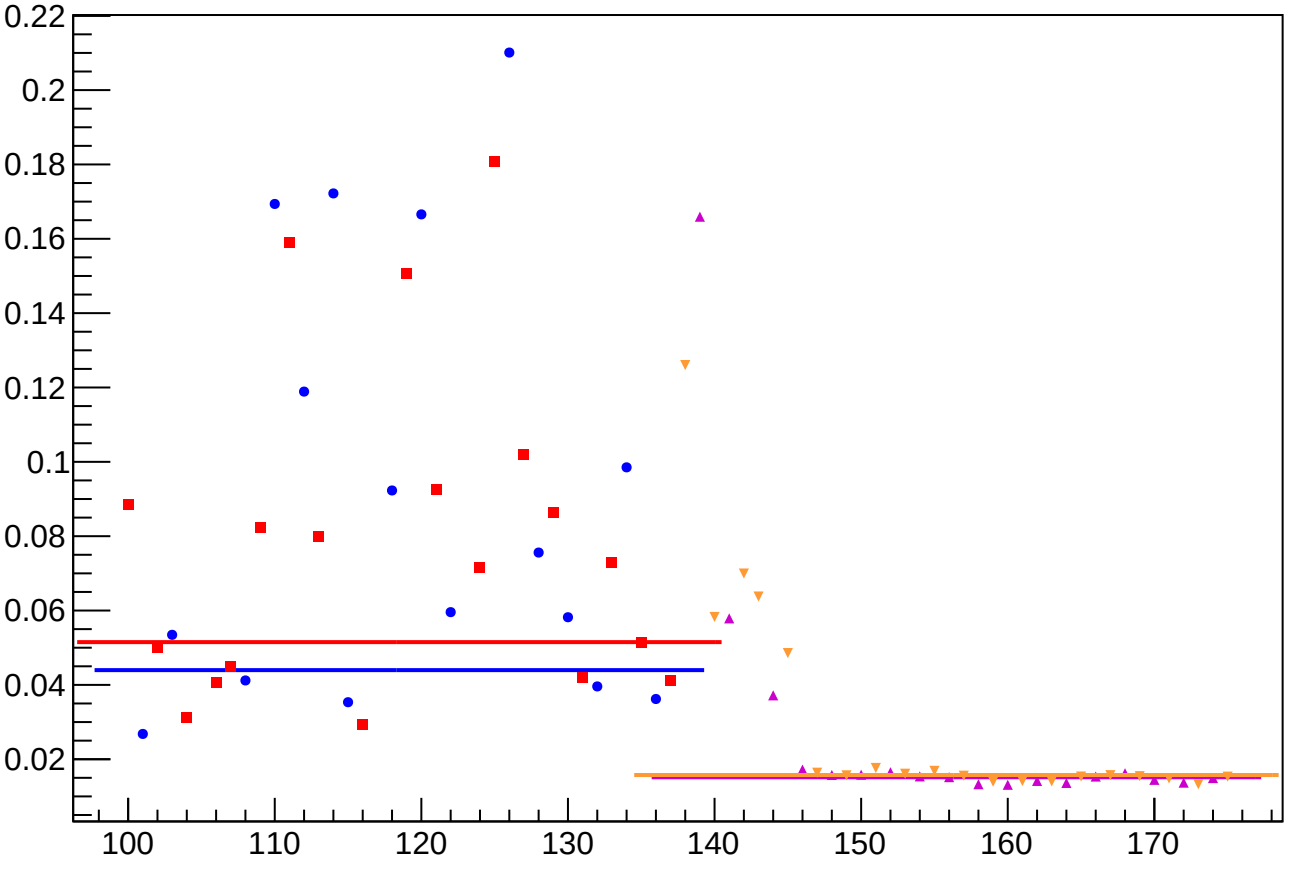
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.002+/-0.000 χ^2/NDF:38226580556.8/33

Out: 1.087+/-0.000 χ^2/NDF:37167792416.8/38

All: 1.044+/-0.000 χ^2/NDF: 75570362465.6/7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2942929.2/19

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2169272.7/17

Left: 0.015+/-0.000 χ^2/NDF: 5129817.5/37

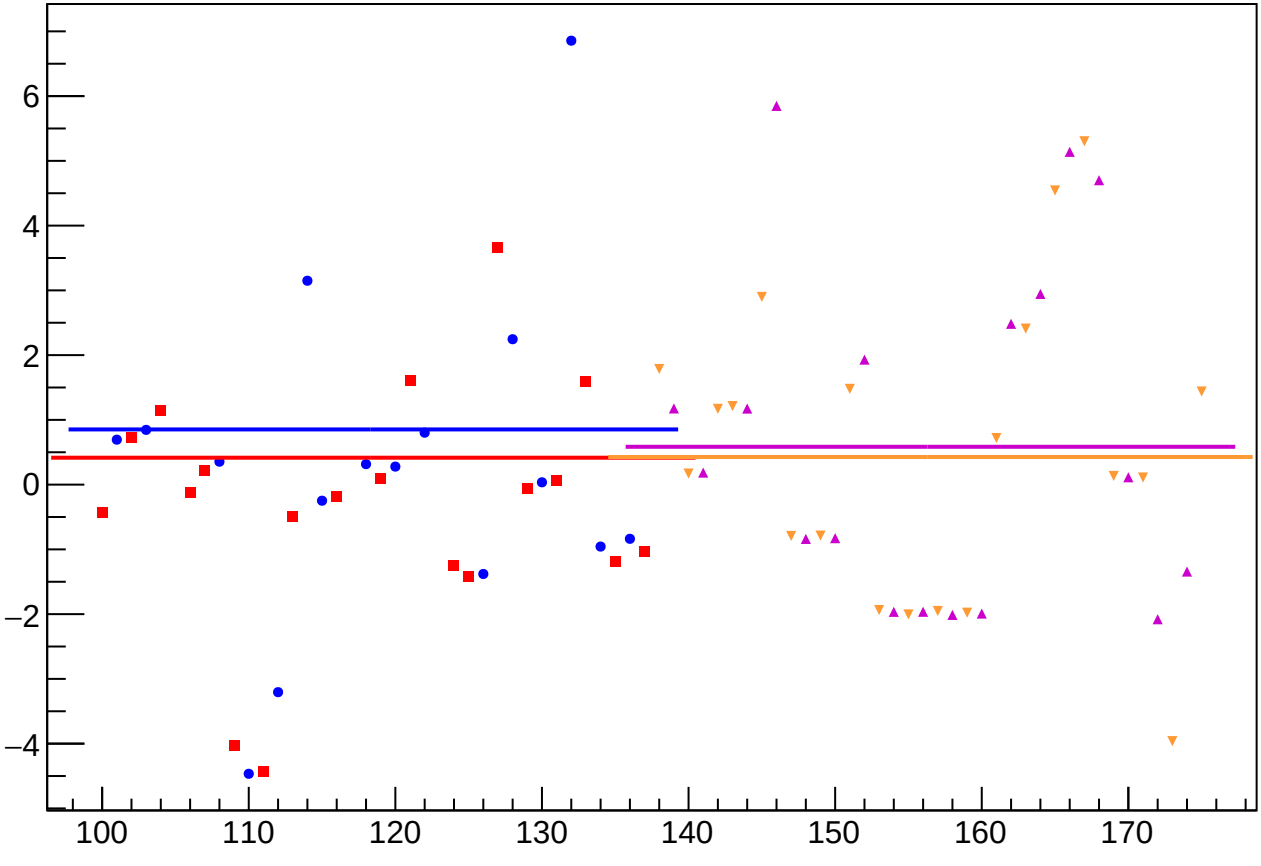
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8122864.2/33

Out: 0.017+/-0.000 χ^2/NDF:9372142.4/38

All: 0.017+/-0.000 χ^2/NDF: 17517958.0/72

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.427+/-0.000 χ^2/NDF:504644074363.1/19

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.584+/-0.000 χ^2/NDF:593182034820.9/17

Left: 0.505+/-0.000 χ^2/NDF: 1098770701942.7/37

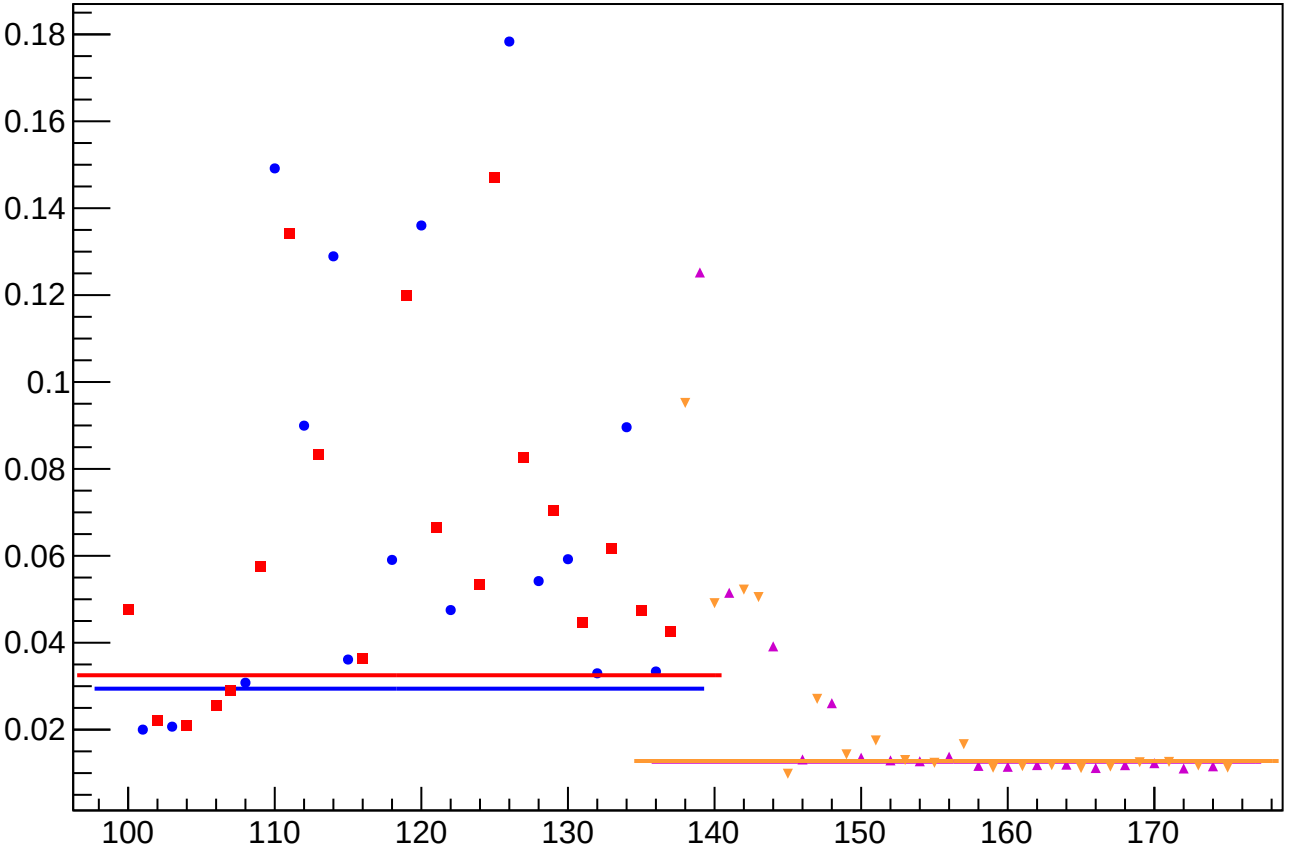
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.599+/-0.000 χ^2/NDF:605047703730.0/33

Out: 0.426+/-0.000 χ^2/NDF:509766387919.4/38

All: 0.513+/-0.000 χ^2/NDF: 1116004835477.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3161828.4/19

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2734068.3/17

Left: 0.013+/-0.000 χ^2/NDF: 5898038.6/37

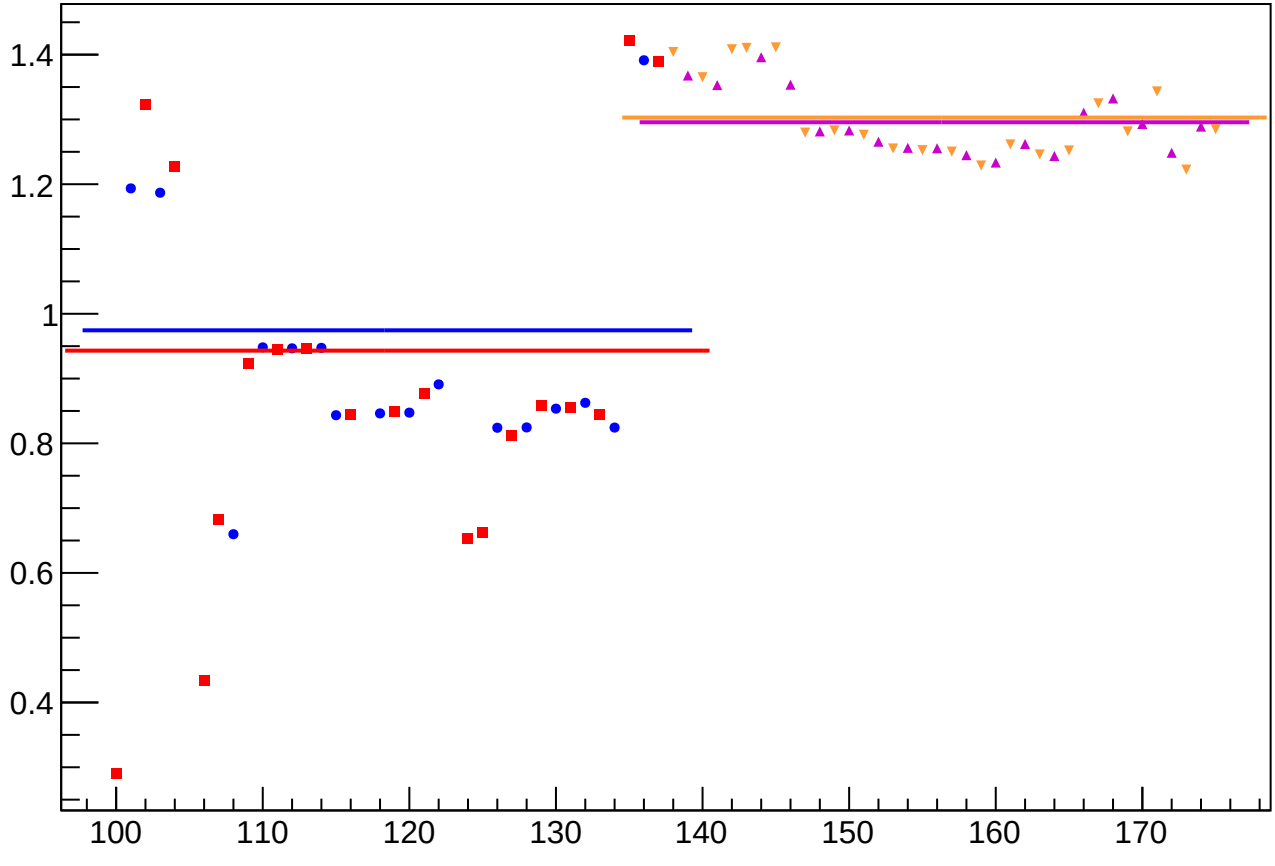
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8206609.9/33

Out: 0.014+/-0.000 χ^2/NDF:9367395.8/38

All: 0.014+/-0.000 χ^2/NDF: 17578558.5/72

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.303+/-0.000 χ^2/NDF:298895154.1/19

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.296+/-0.000 χ^2/NDF:164906608.1/17

Left: 1.299+/-0.000 χ^2/NDF: 465721576.3/37

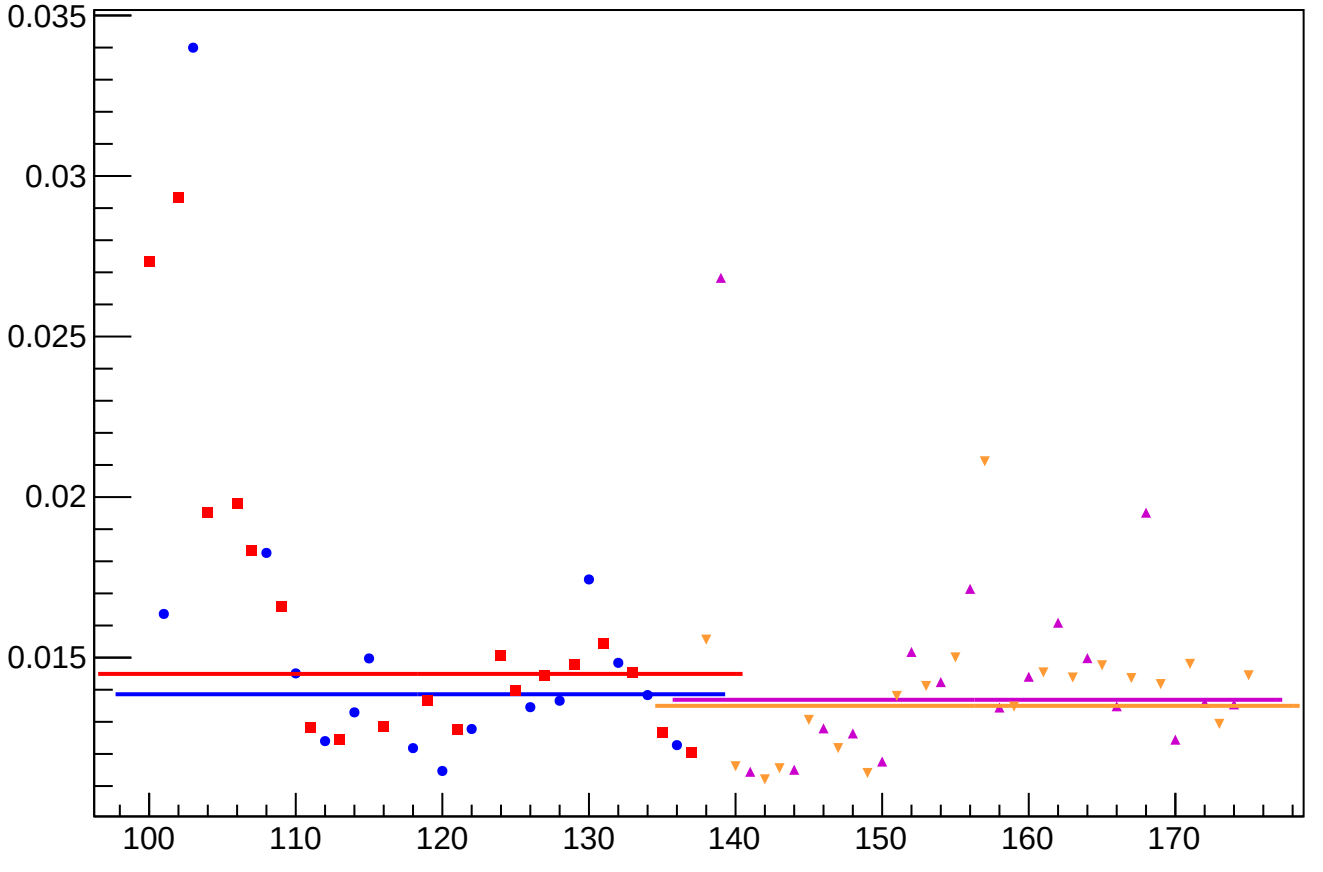
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.194+/-0.000 χ^2/NDF:3904581584.2/33

Out: 1.199+/-0.000 χ^2/NDF:4784974545.2/38

All: 1.197+/-0.000 χ^2/NDF: 8691163827.7/72

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:434477.9/19

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842580.6/17

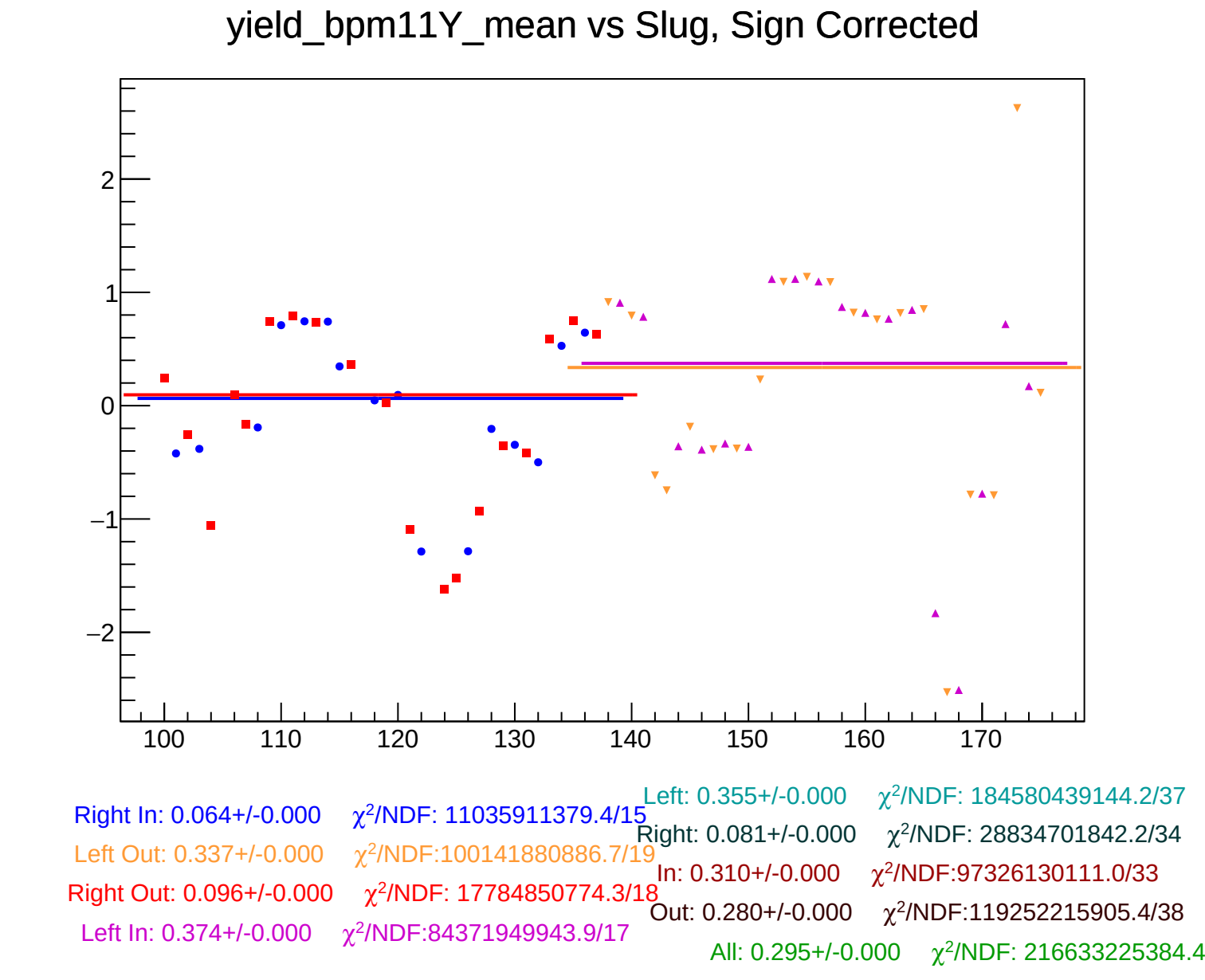
Left: 0.014+/-0.000 χ^2/NDF: 1279640.1/37

Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

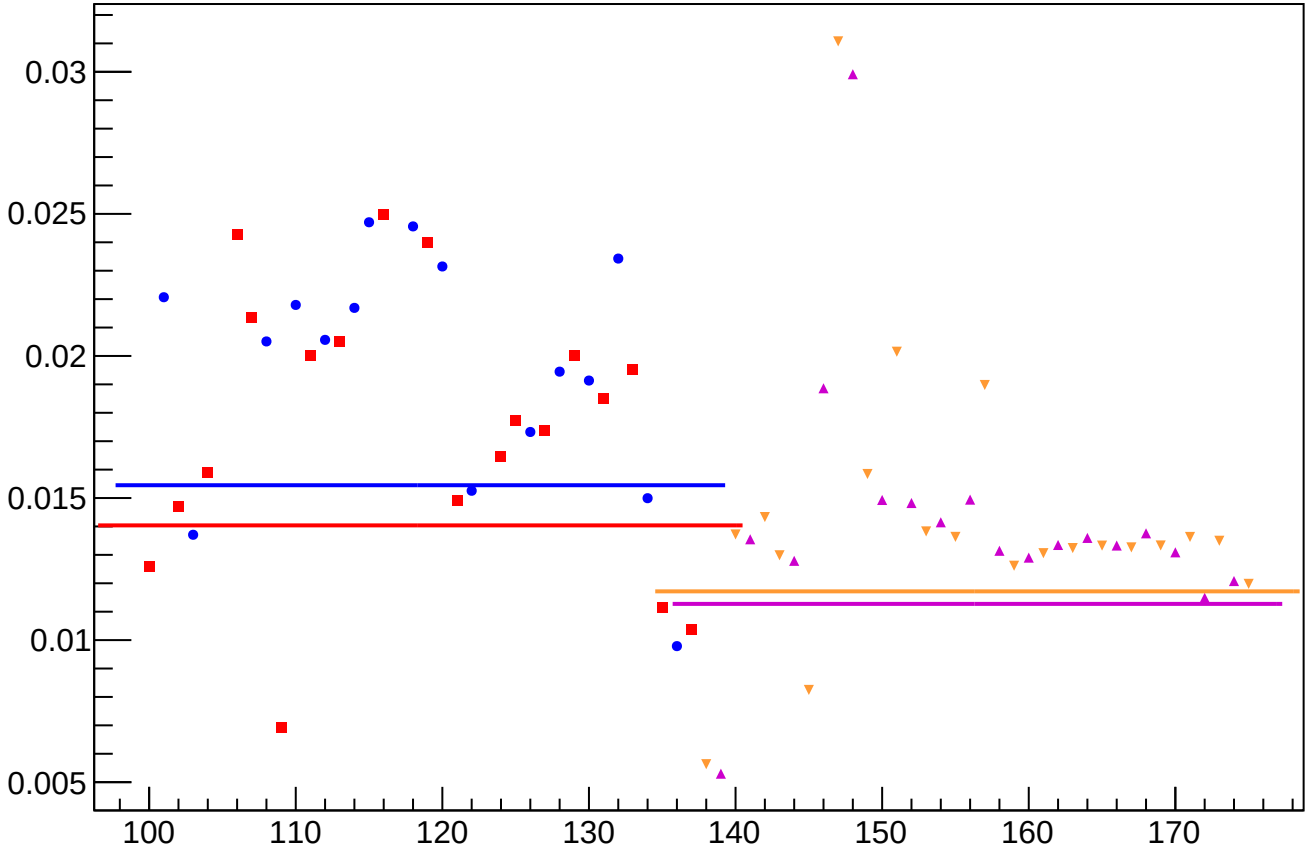
In: 0.014+/-0.000 χ^2/NDF:1443876.0/33

Out: 0.014+/-0.000 χ^2/NDF:1021874.8/38

All: 0.014+/-0.000 χ^2/NDF: 2465942.3/72


yield_bpm11Y_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.064+/-0.000 χ²/NDF: 11035911379.4/15
Left Out: 0.337+/-0.000 χ²/NDF:100141880886.7/19
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.374+/-0.000 χ²/NDF:84371949943.9/17
Left: 0.355+/-0.000 χ²/NDF: 184580439144.2/37
Right: 0.081+/-0.000 χ²/NDF: 28834701842.2/34
In: 0.310+/-0.000 χ²/NDF:97326130111.0/33
Out: 0.280+/-0.000 χ²/NDF:119252215905.4/38
All: 0.295+/-0.000 χ²/NDF: 216633225384.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3199834.3/19

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3574852.8/17

Left: 0.011+/-0.000 χ^2/NDF: 6793652.7/37

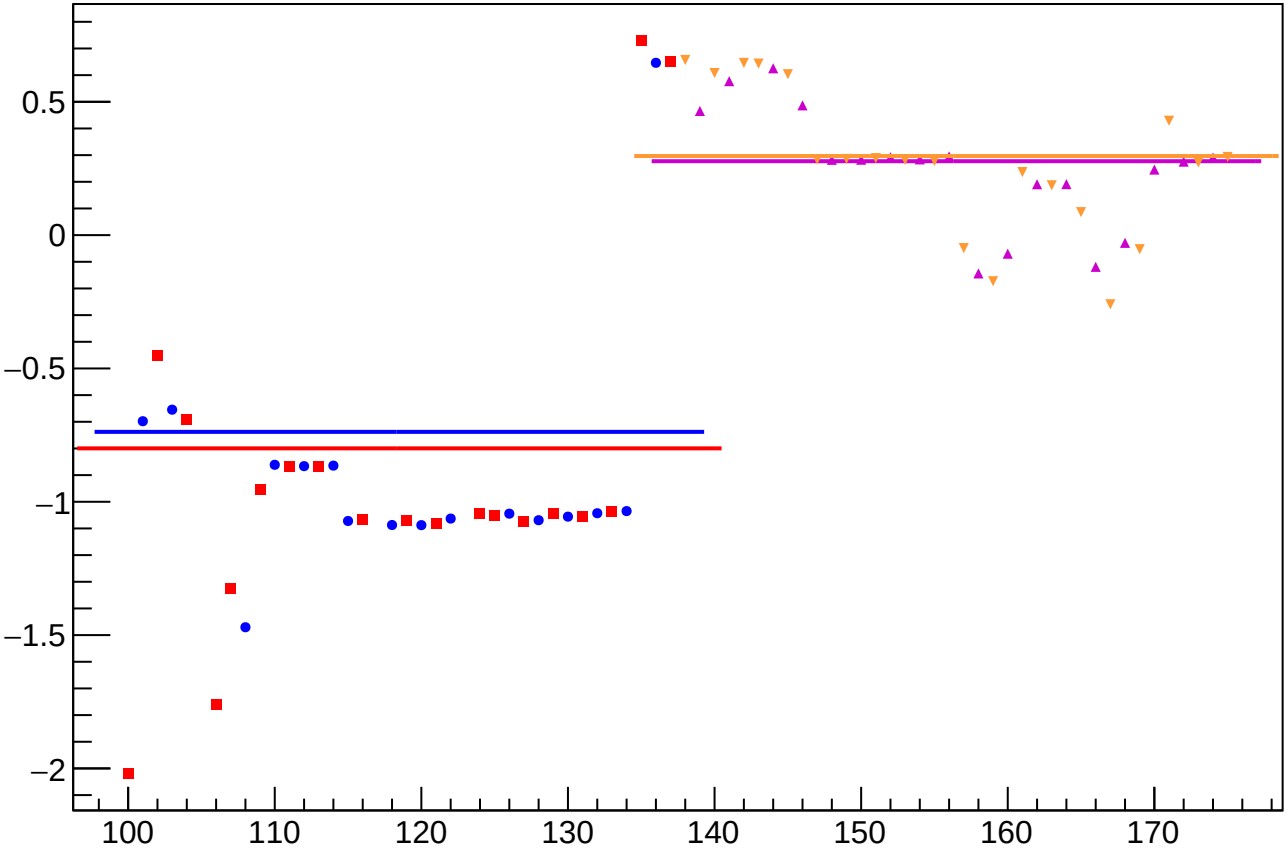
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5565927.3/33

Out: 0.012+/-0.000 χ^2/NDF:5132782.7/38

All: 0.012+/-0.000 χ^2/NDF: 10700686.5/72

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747579528.0/19

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.277+/-0.000 χ^2/NDF:501906698.5/17

Left: 0.287+/-0.000 χ^2/NDF: 1251526794.3/37

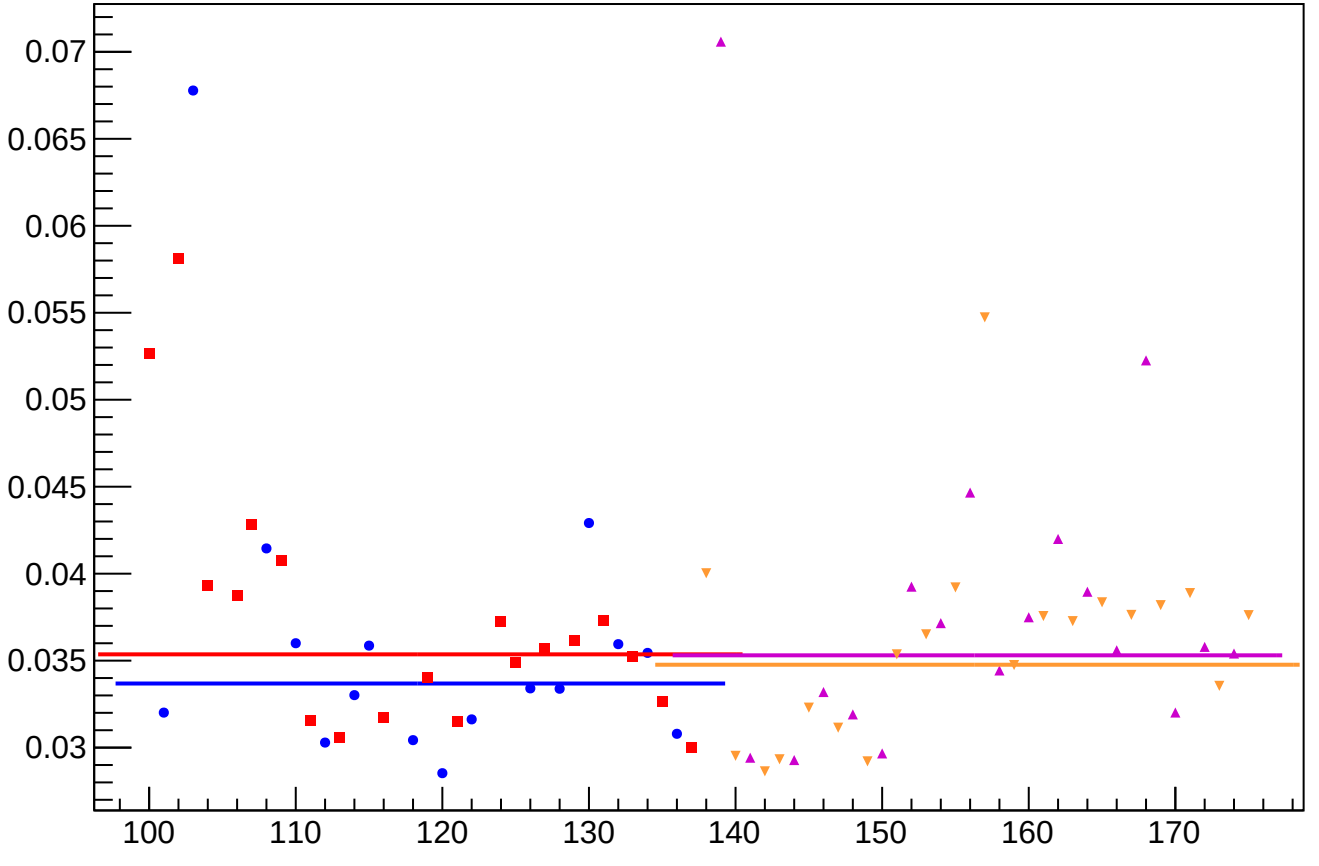
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.077+/-0.000 χ^2/NDF:6302348420.5/33

Out: -0.048+/-0.000 χ^2/NDF:6895090558.6/38

All: -0.062+/-0.000 χ^2/NDF: 13204252316.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:491362.1/19

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:929409.6/17

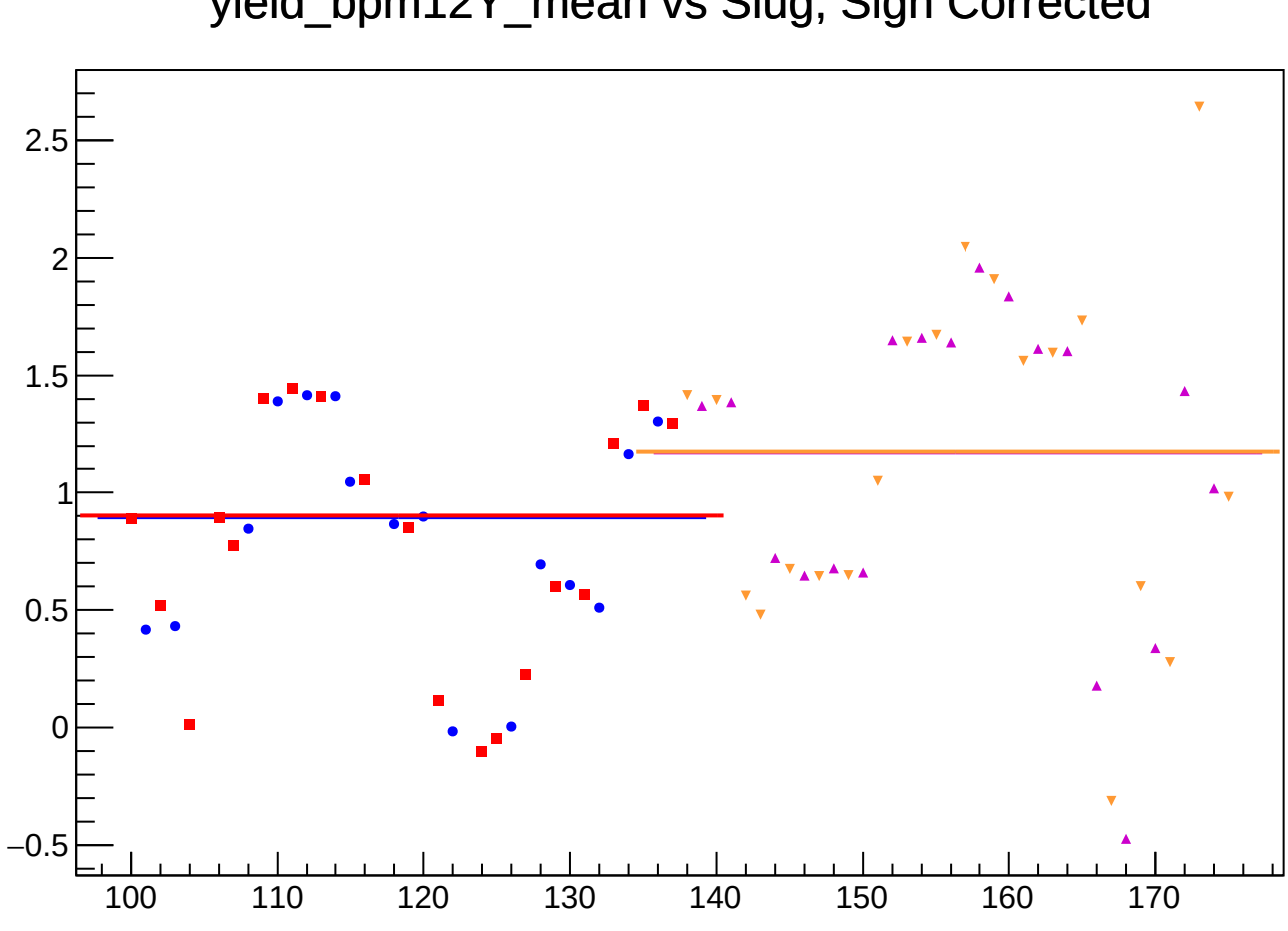
Left: 0.035+/-0.000 χ^2/NDF: 1423938.0/37

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1368644.2/33

Out: 0.035+/-0.000 χ^2/NDF:790247.1/38

All: 0.035+/-0.000 χ^2/NDF: 2159616.6/72



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.177+/-0.000 χ^2/NDF:85745409090.8/19

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.174+/-0.000 χ^2/NDF:66083434375.5/17

Left: 1.175+/-0.000 χ^2/NDF: 151829694311.1/37

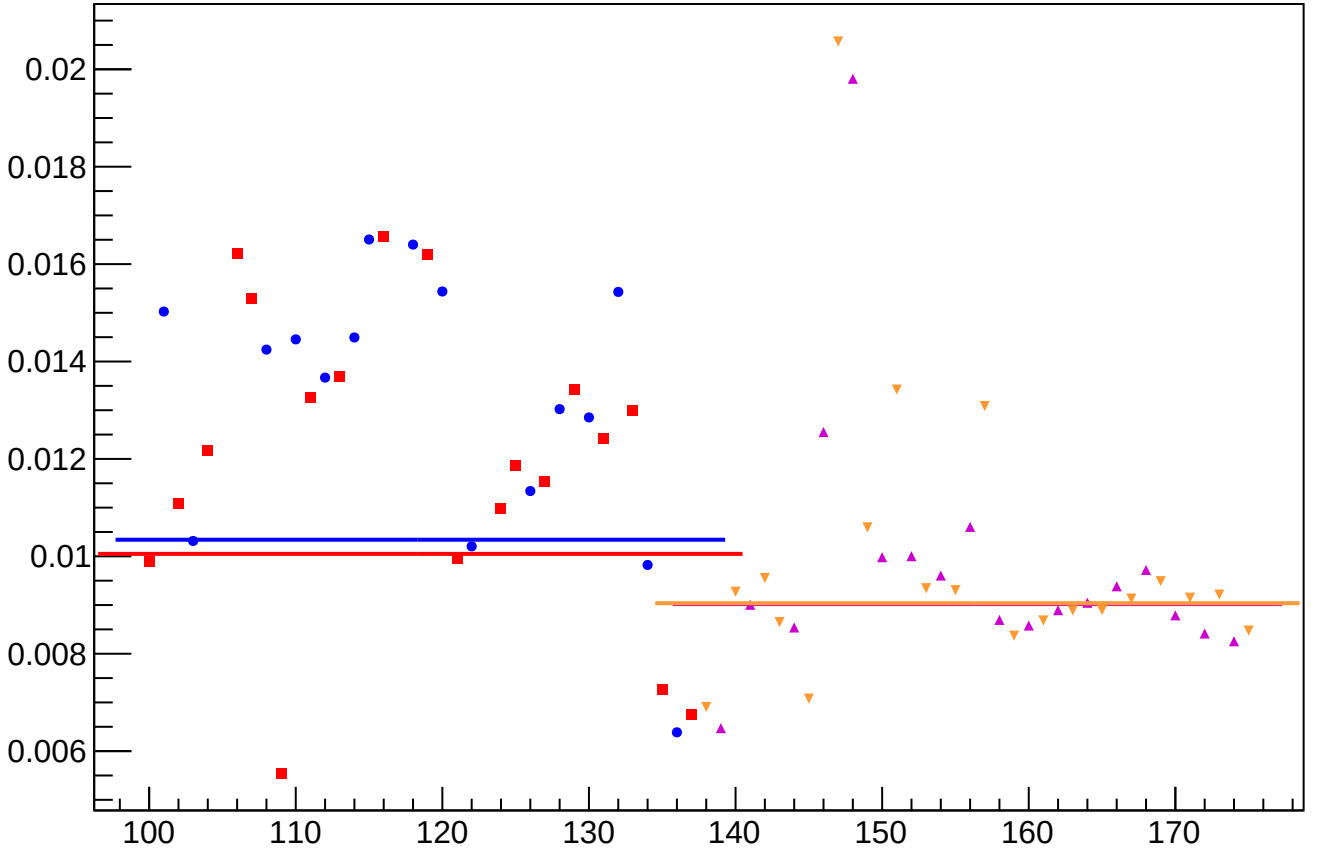
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.104+/-0.000 χ^2/NDF:82105314880.4/33

Out: 1.108+/-0.000 χ^2/NDF:107059600082.3/38

All: 1.106+/-0.000 χ^2/NDF: 189166298680.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1135510.6/19

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952226.9/17

Left: 0.009+/-0.000 χ^2/NDF: 2087793.5/37

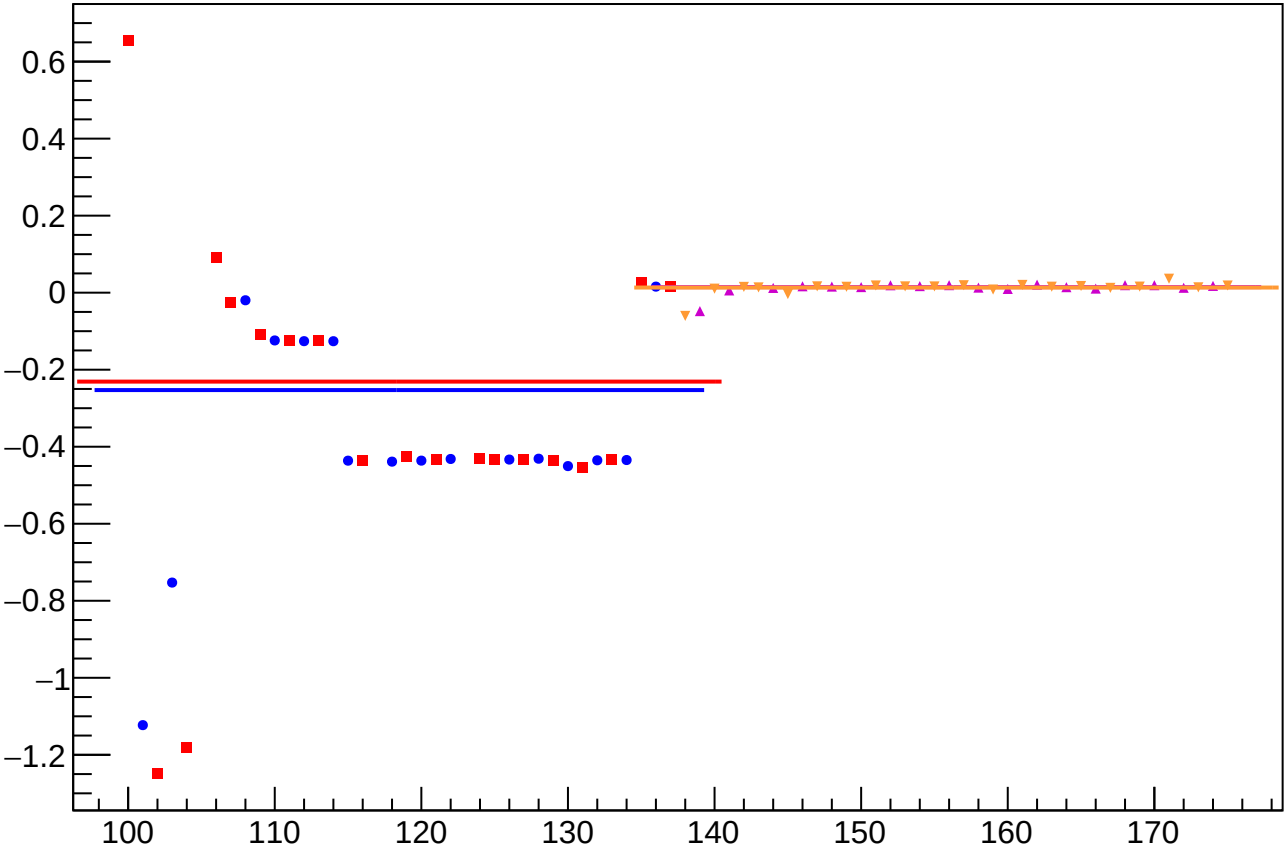
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2448955.5/33

Out: 0.009+/-0.000 χ^2/NDF:2564931.8/38

All: 0.009+/-0.000 χ^2/NDF: 5014622.8/72

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27593073.5/19

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6807457.6/17

Left: 0.014+/-0.000 χ^2/NDF: 34477324.9/37

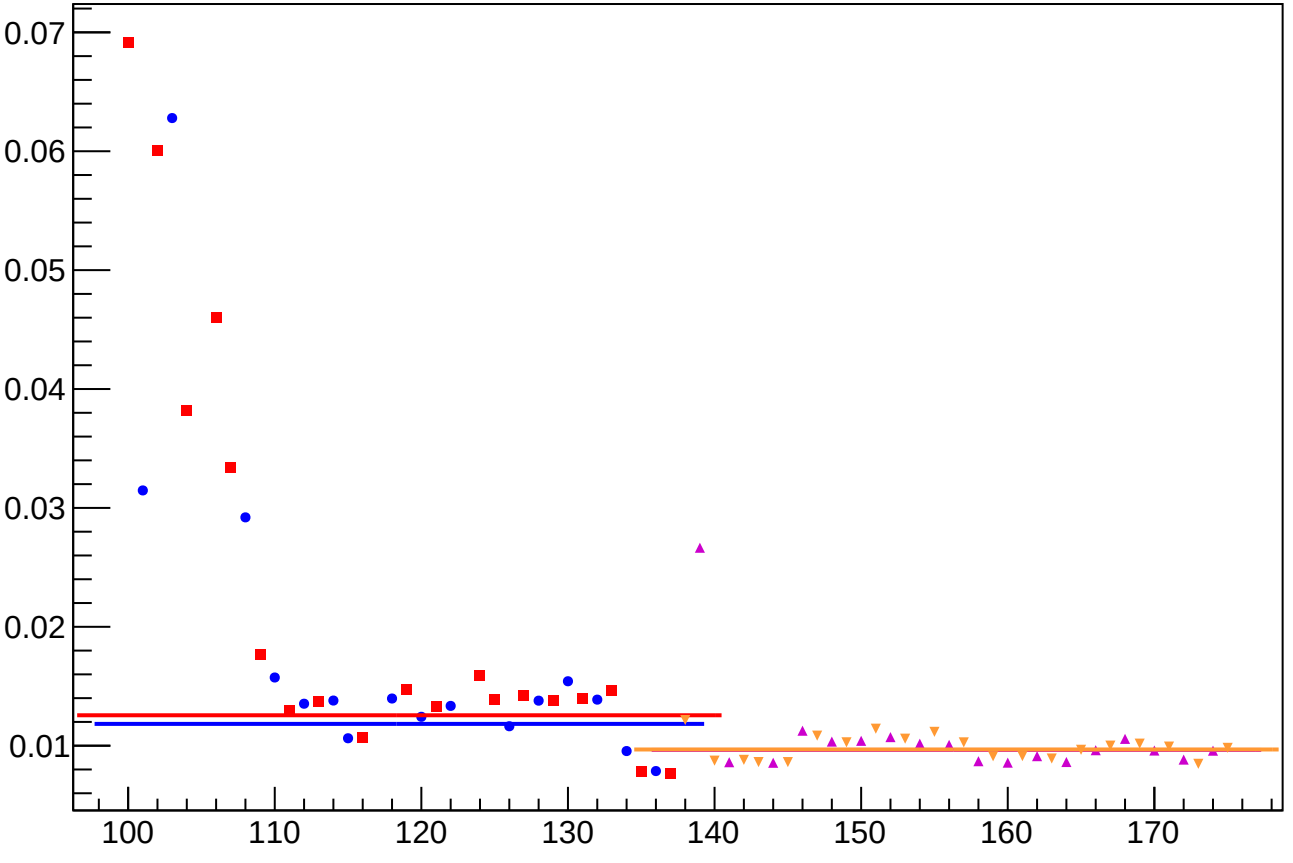
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.042+/-0.000 χ^2/NDF:4031122376.1/33

Out: -0.031+/-0.000 χ^2/NDF:3383435113.4/38

All: -0.037+/-0.000 χ^2/NDF: 7424648591.0/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:254233.5/19

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:868126.7/17

Left: 0.010+/-0.000 χ^2/NDF: 1122580.0/37

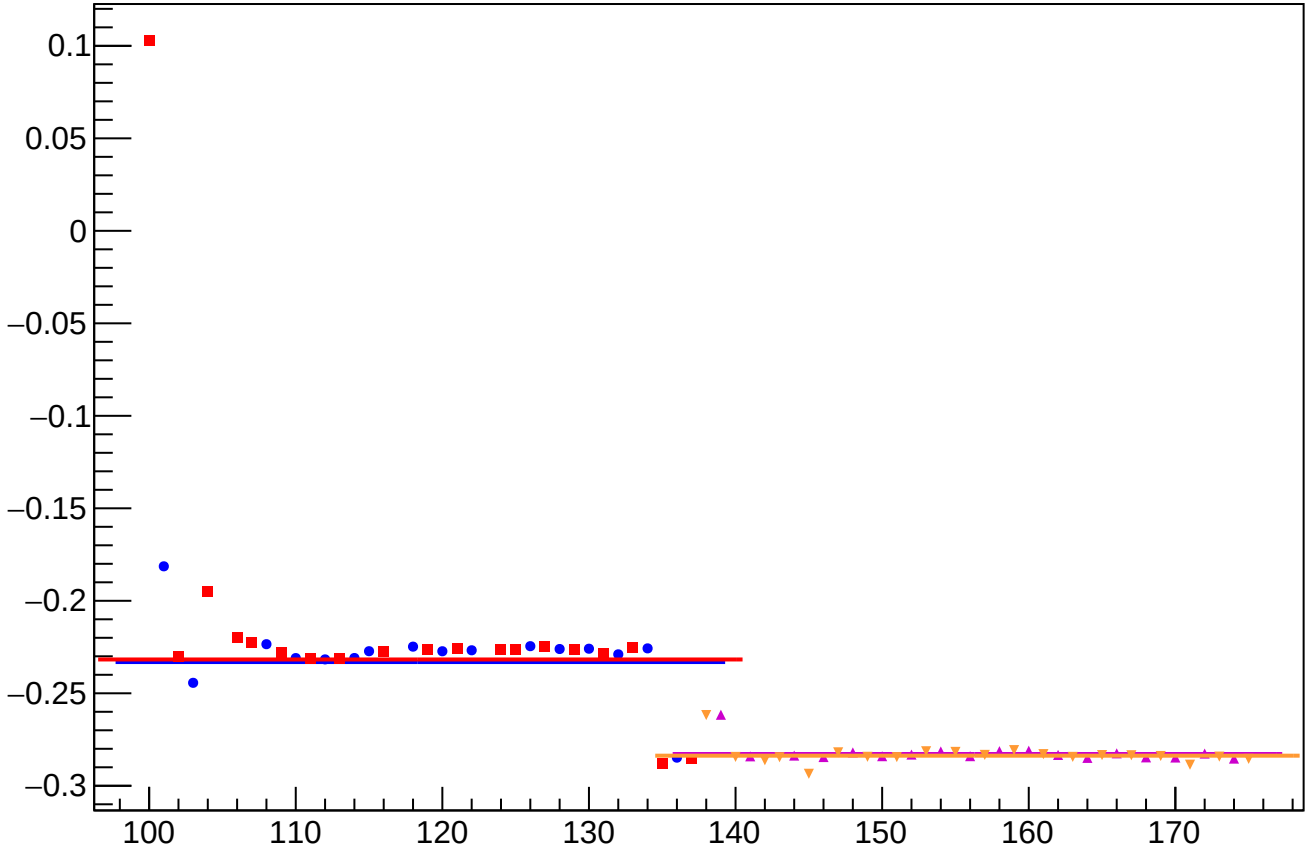
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3079726.7/33

Out: 0.010+/-0.000 χ^2/NDF:2901347.0/38

All: 0.010+/-0.000 χ^2/NDF: 5982858.4/72

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:15927172.1/19

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.283+/-0.000 χ^2/NDF:6978695.1/17

Left: -0.283+/-0.000 χ^2/NDF: 23133510.1/37

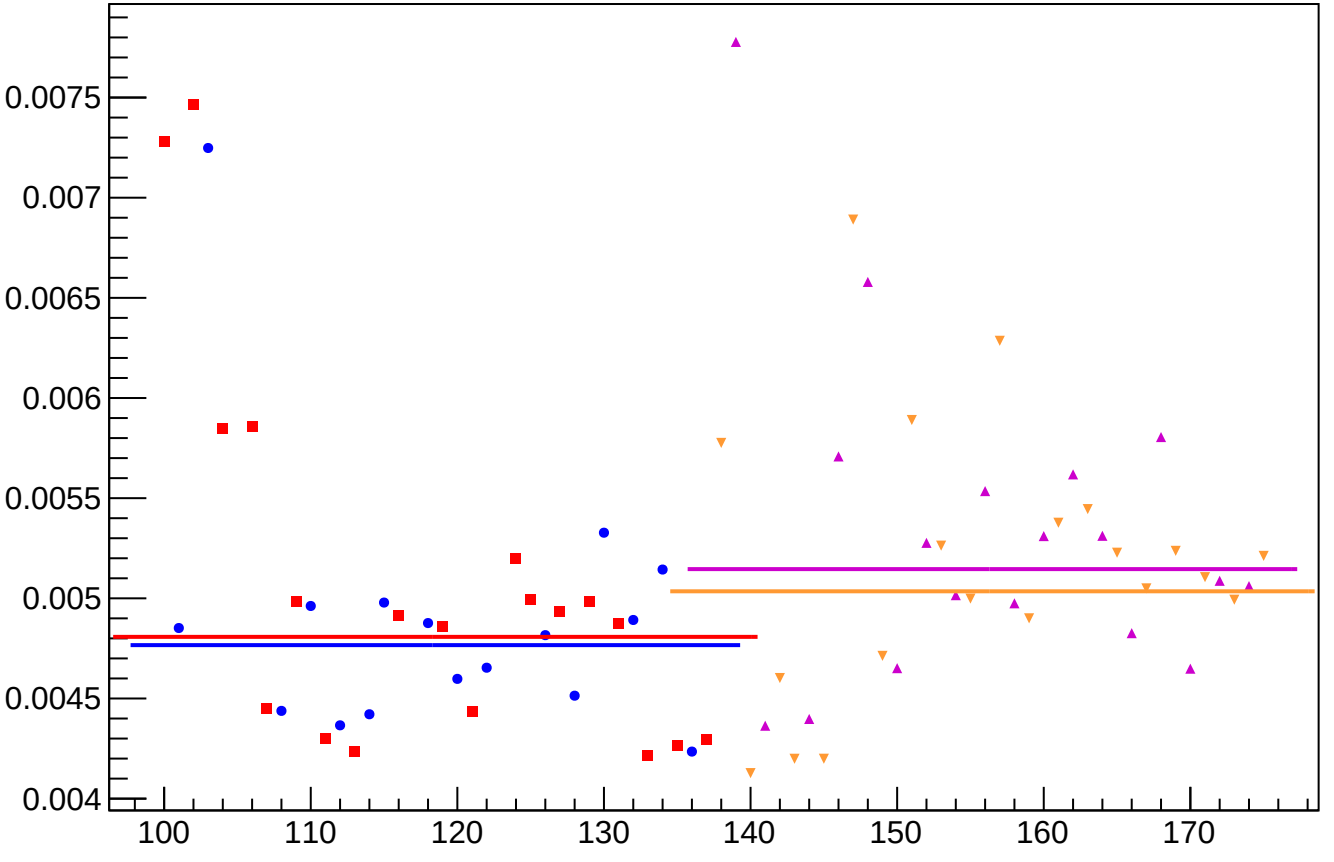
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.265+/-0.000 χ^2/NDF:660534133.7/33

Out: -0.266+/-0.000 χ^2/NDF:826478803.2/38

All: -0.266+/-0.000 χ^2/NDF: 1487462081.7/7

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:458451.4/19

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463838.9/17

Left: 0.005+/-0.000 χ^2/NDF: 929055.8/37

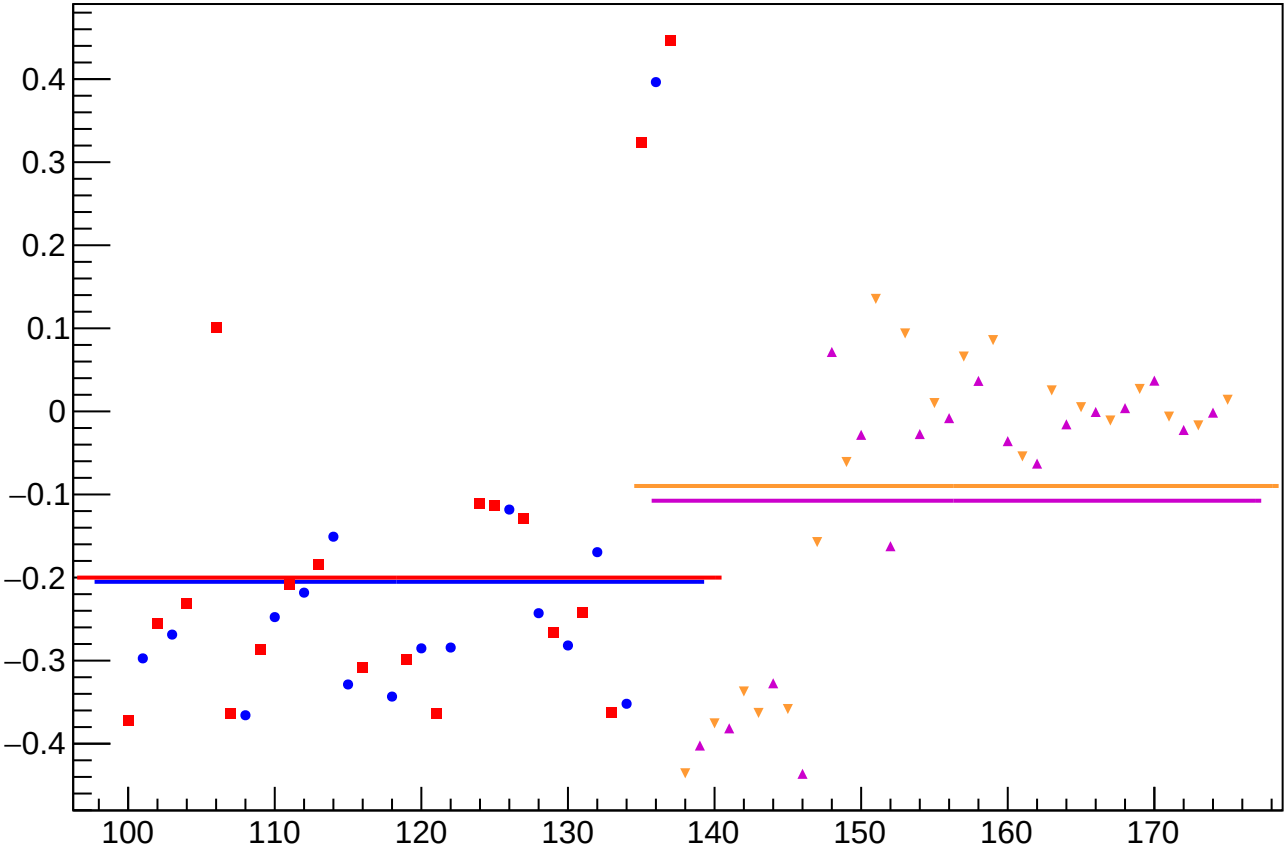
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:708572.2/33

Out: 0.005+/-0.000 χ^2/NDF:772201.0/38

All: 0.005+/-0.000 χ^2/NDF: 1483158.9/72

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.090+/-0.000 χ^2/NDF:16460108817.9/19

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.108+/-0.000 χ^2/NDF:12277878047.3/17

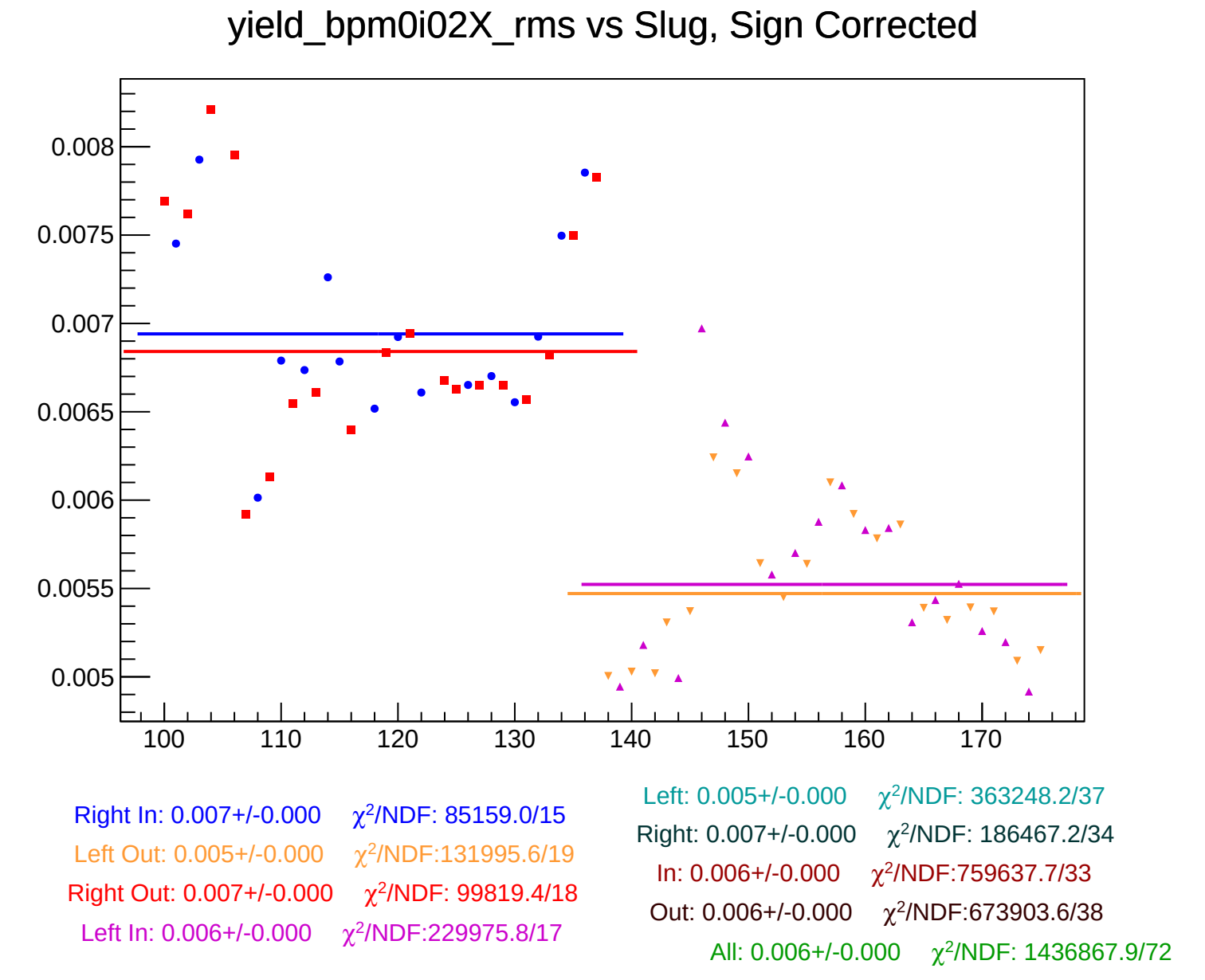
Left: -0.098+/-0.000 χ^2/NDF: 28812921736.1/37

Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

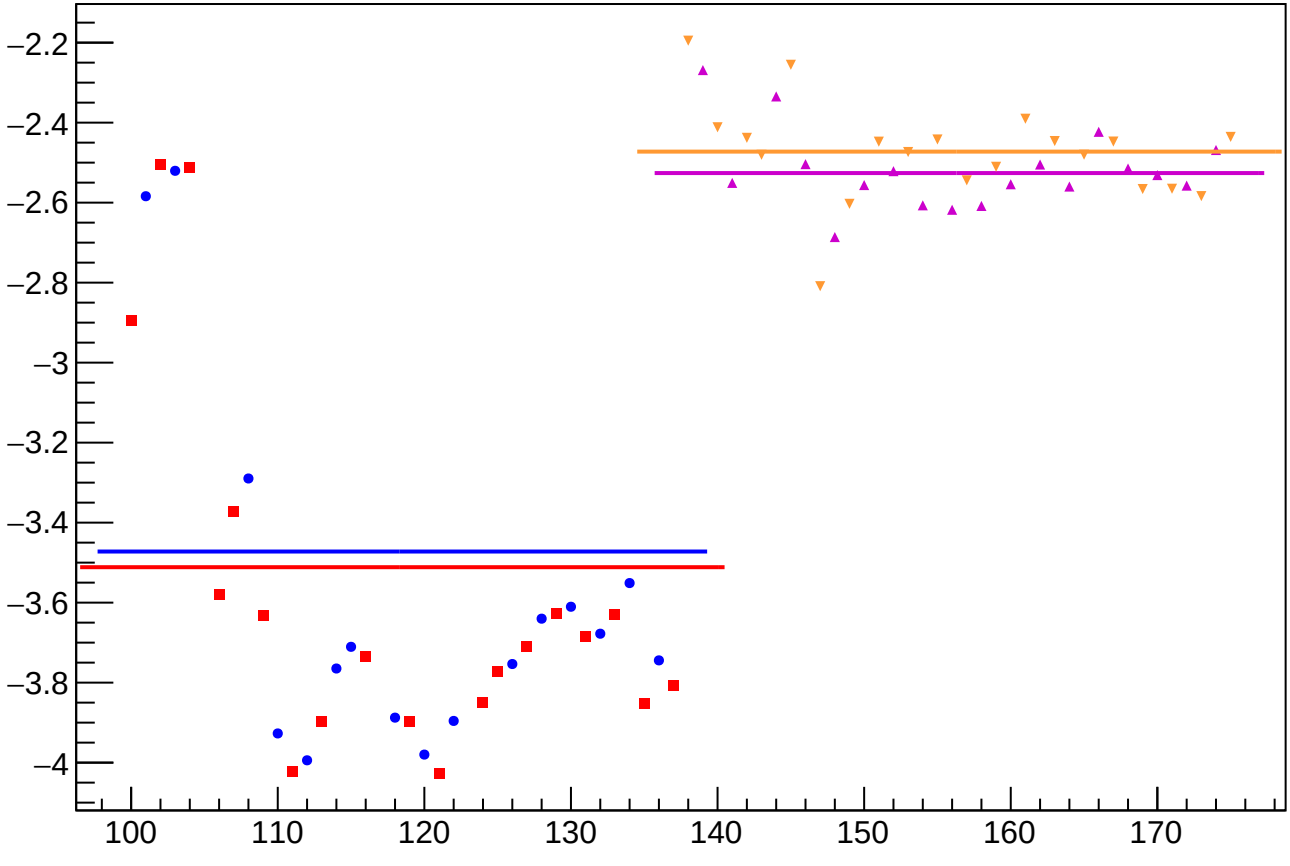
In: -0.131+/-0.000 χ^2/NDF:19520359891.8/33

Out: -0.116+/-0.000 χ^2/NDF:23142285726.7/38

All: -0.123+/-0.000 χ^2/NDF: 42737154367.9/


yield_bpm0i02X_rms vs Slug, Sign Corrected
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.005+/-0.000 χ²/NDF:131995.6/19
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:229975.8/17
Left: 0.005+/-0.000 χ²/NDF: 363248.2/37
Right: 0.007+/-0.000 χ²/NDF: 186467.2/34
In: 0.006+/-0.000 χ²/NDF:759637.7/33
Out: 0.006+/-0.000 χ²/NDF:673903.6/38
All: 0.006+/-0.000 χ²/NDF: 1436867.9/72

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.472+/-0.000 χ^2/NDF:2057050600.8/19

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.526+/-0.000 χ^2/NDF:1454133752.2/17

Left: -2.498+/-0.000 χ^2/NDF: 3795260391.5/37

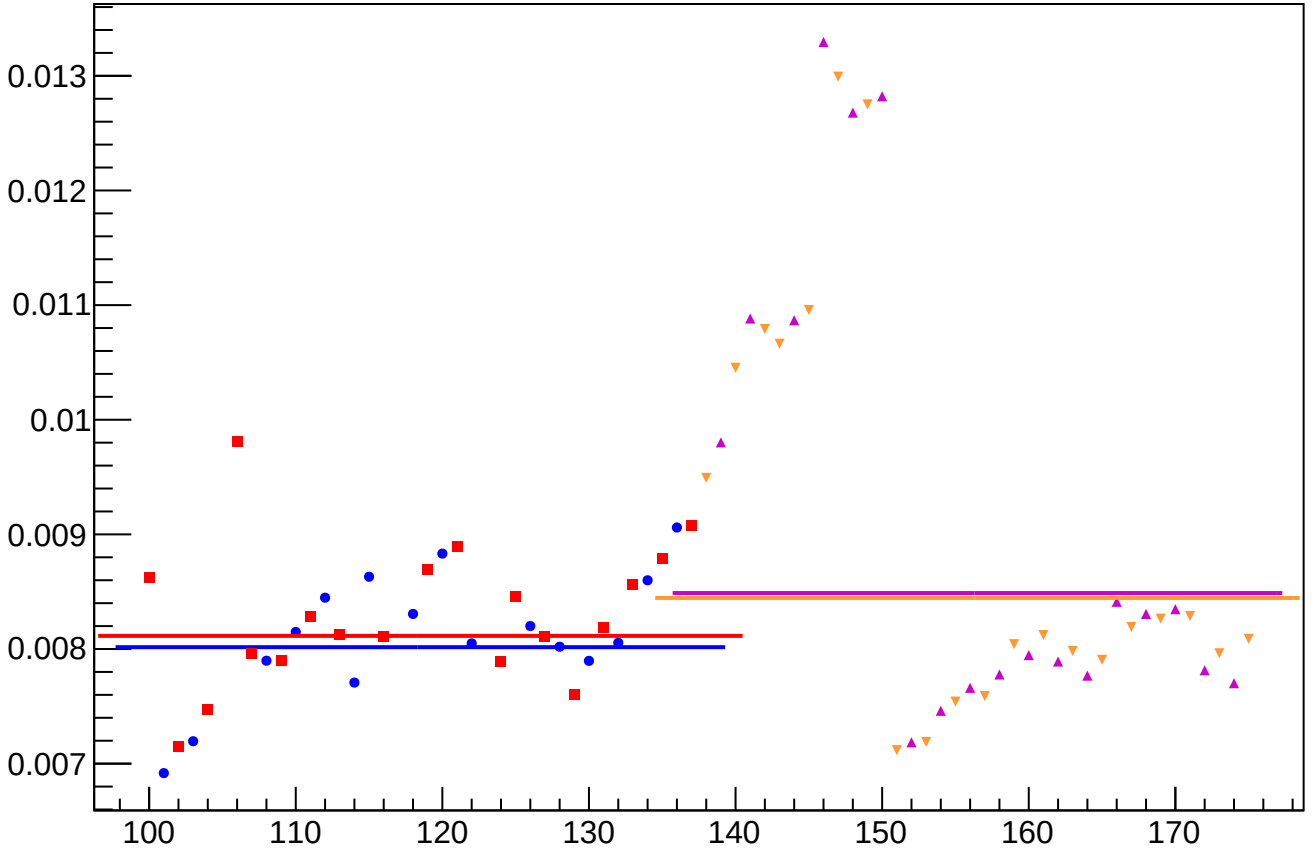
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.870+/-0.000 χ^2/NDF:92968831815.9/33

Out: -2.830+/-0.000 χ^2/NDF:108214360918.1/38

All: -2.850+/-0.000 χ^2/NDF: 201426692346.9

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:759006.1/19

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.008+/-0.000 χ^2/NDF:884477.1/17

Left: 0.008+/-0.000 χ^2/NDF: 1643841.3/37

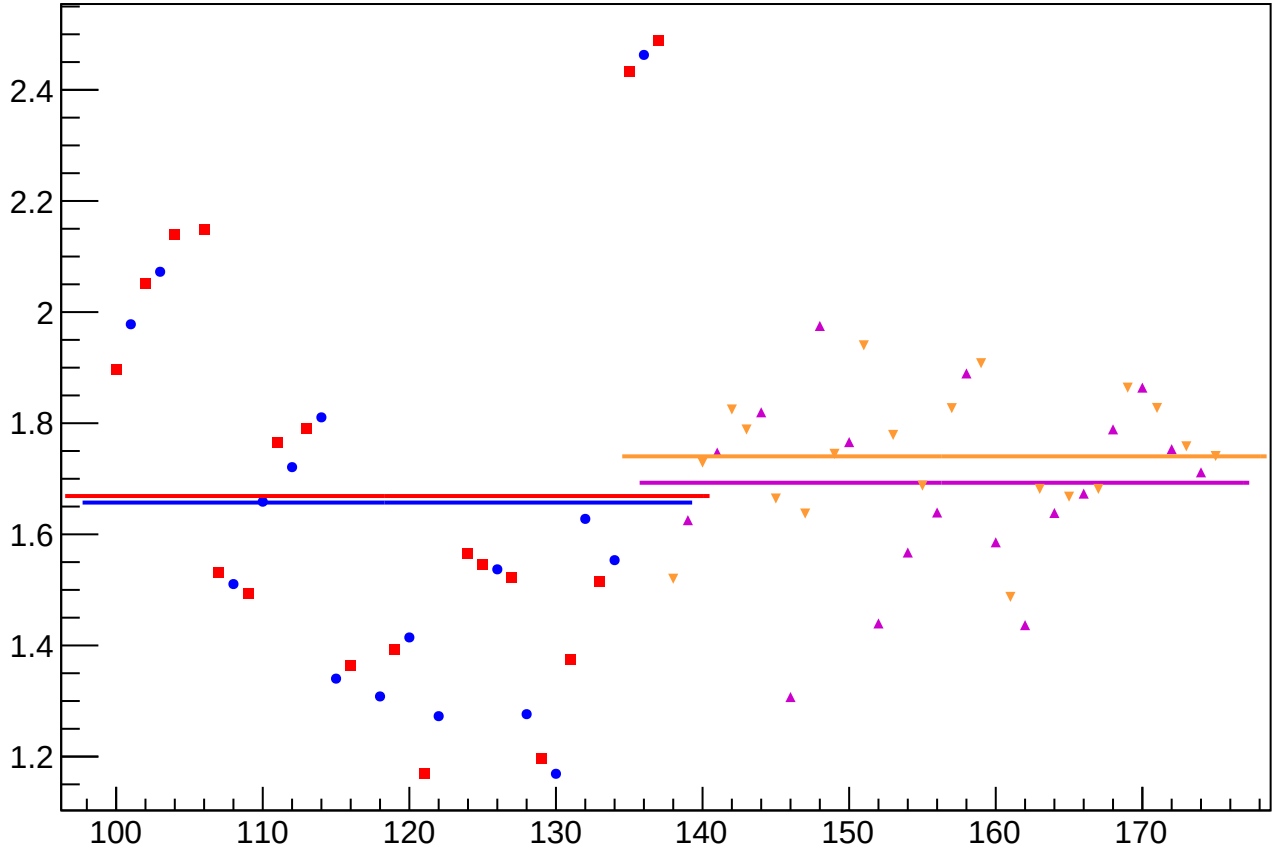
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1001549.8/33

Out: 0.008+/-0.000 χ^2/NDF:845589.5/38

All: 0.008+/-0.000 χ^2/NDF: 1847209.7/72

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.740+/-0.000 χ^2/NDF:1515606439.2/19

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.693+/-0.000 χ^2/NDF:2560254246.5/17

Left: 1.718+/-0.000 χ^2/NDF: 4206205327.3/37

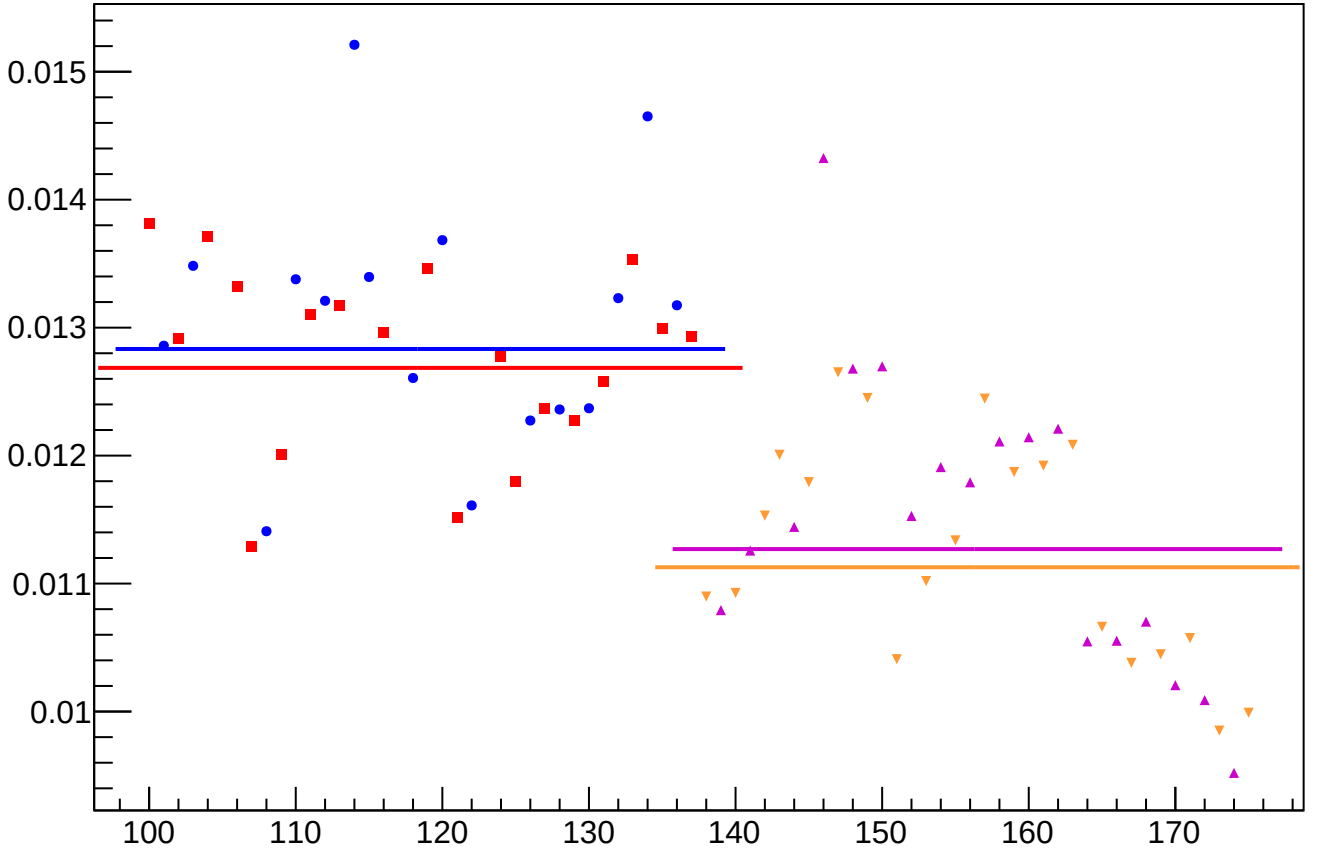
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.683+/-0.000 χ^2/NDF:9265475150.9/33

Out: 1.721+/-0.000 χ^2/NDF:8040286744.0/38

All: 1.703+/-0.000 χ^2/NDF: 17422133022.0/7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:172465.3/19

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:260140.2/17

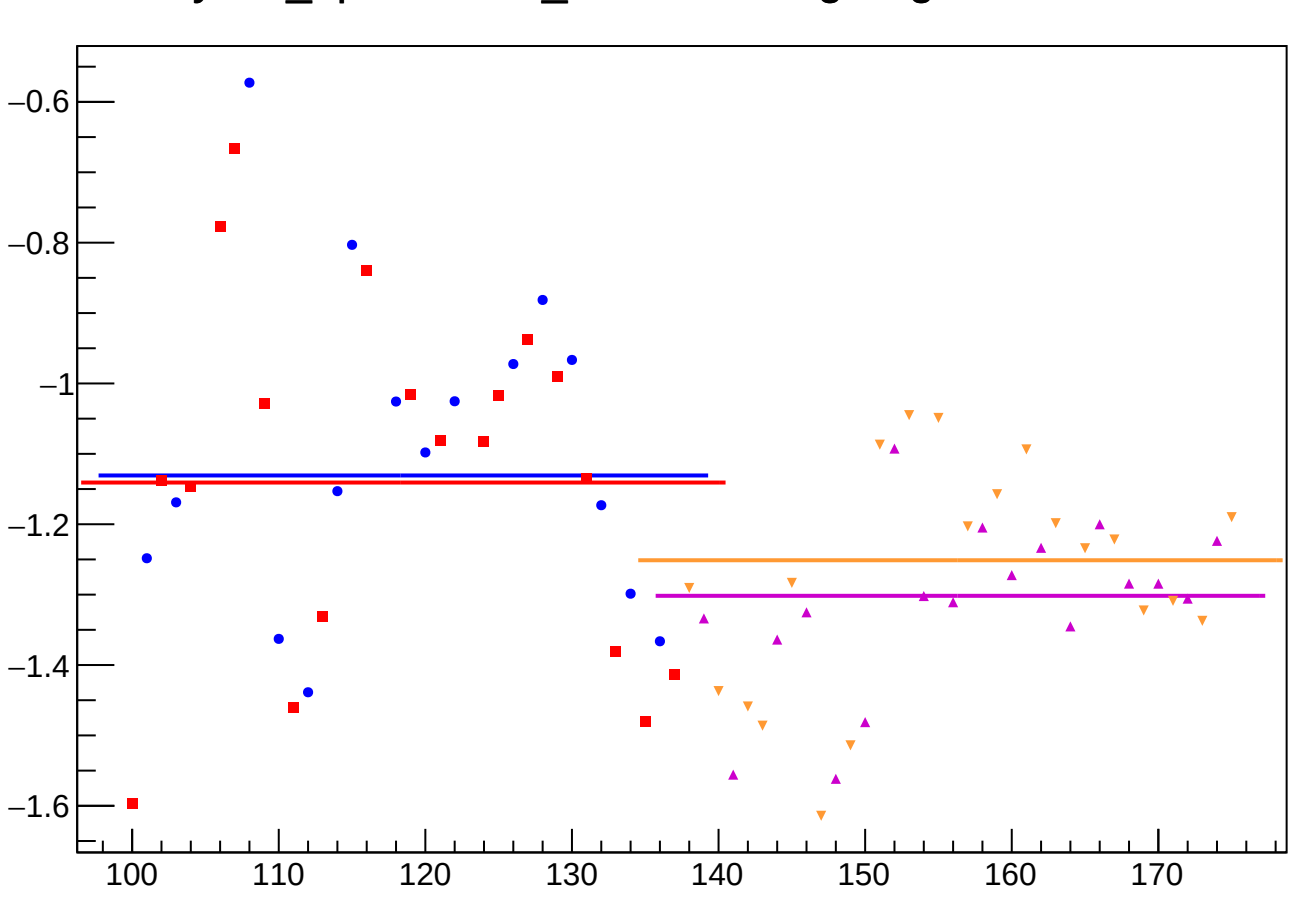
Left: 0.011+/-0.000 χ^2/NDF: 434933.6/37

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:462849.7/33

Out: 0.012+/-0.000 χ^2/NDF:374792.7/38

All: 0.012+/-0.000 χ^2/NDF: 841670.1/72



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.251+/-0.000 χ^2/NDF:4671708937.5/19

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.302+/-0.000 χ^2/NDF:2399861086.9/17

Left: -1.275+/-0.000 χ^2/NDF: 7345830625.1/37

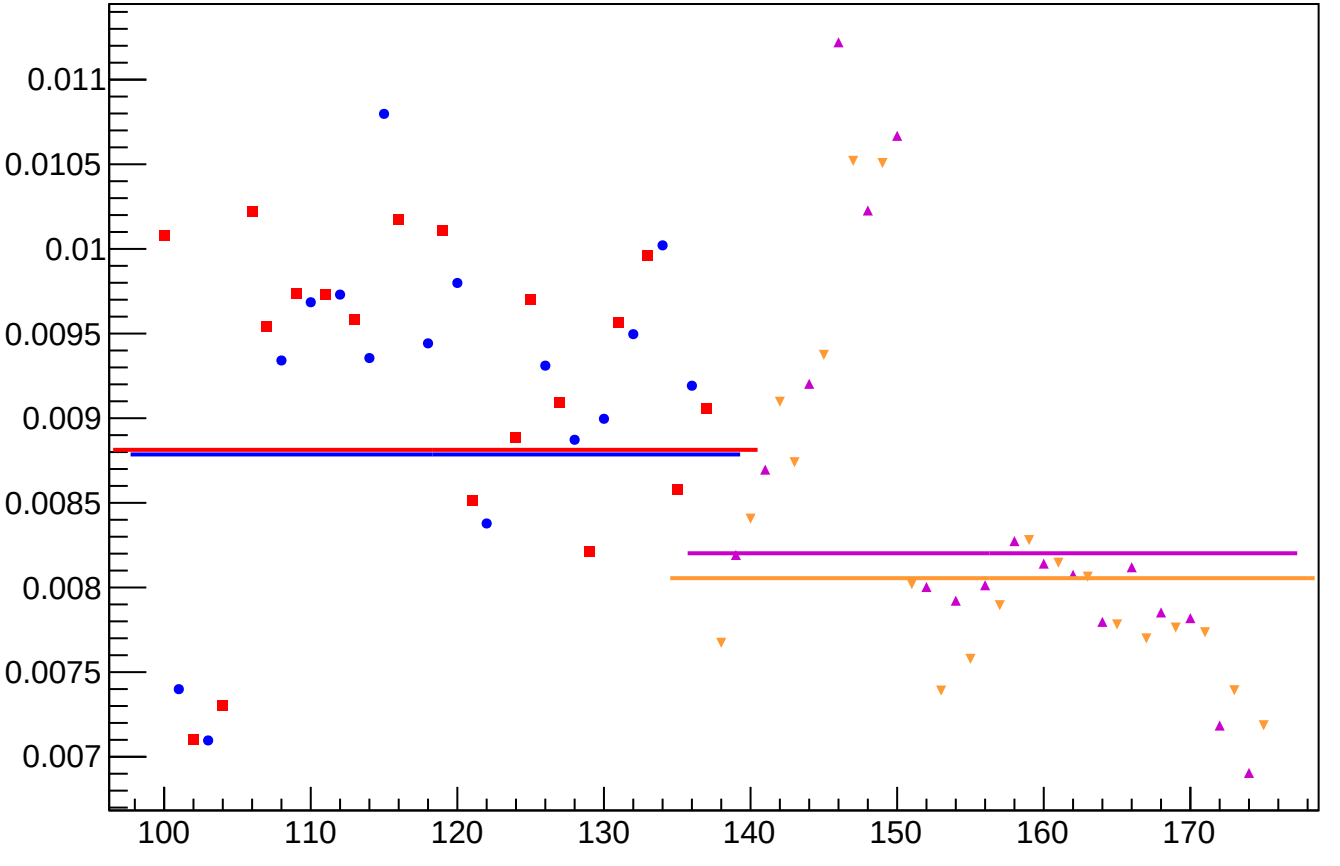
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.250+/-0.000 χ^2/NDF:7999318363.9/33

Out: -1.220+/-0.000 χ^2/NDF:8996388423.2/38

All: -1.234+/-0.000 χ^2/NDF: 17133524339.3/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:272508.1/19

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:369649.8/17

Left: 0.008+/-0.000 χ^2/NDF: 646807.2/37

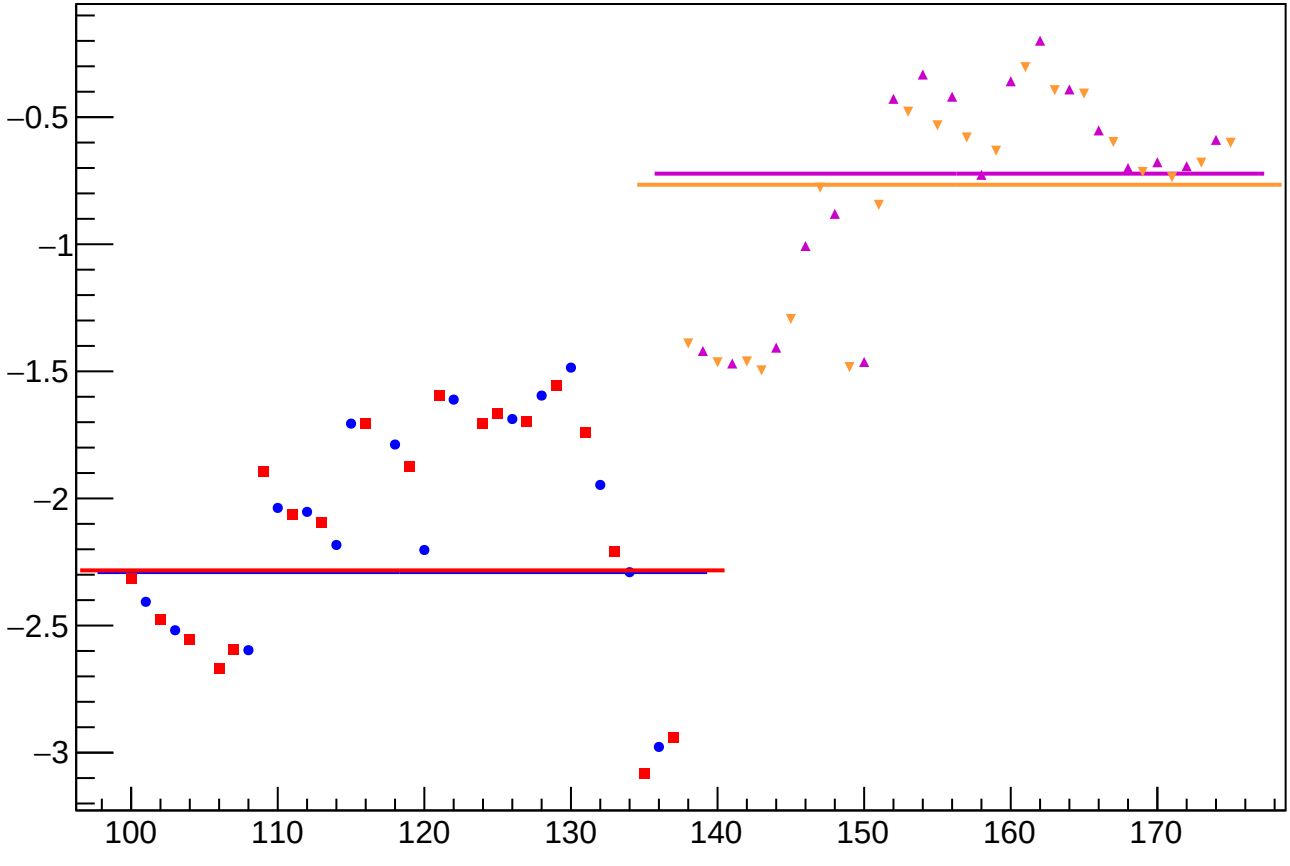
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.008+/-0.000 χ^2/NDF:585310.1/33

Out: 0.008+/-0.000 χ^2/NDF:550548.5/38

All: 0.008+/-0.000 χ^2/NDF: 1139461.9/72

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.766+/-0.000 χ^2/NDF:33646550981.6/19

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.722+/-0.000 χ^2/NDF:33314774522.6/17

Left: -0.745+/-0.000 χ^2/NDF: 67230700462.5/37

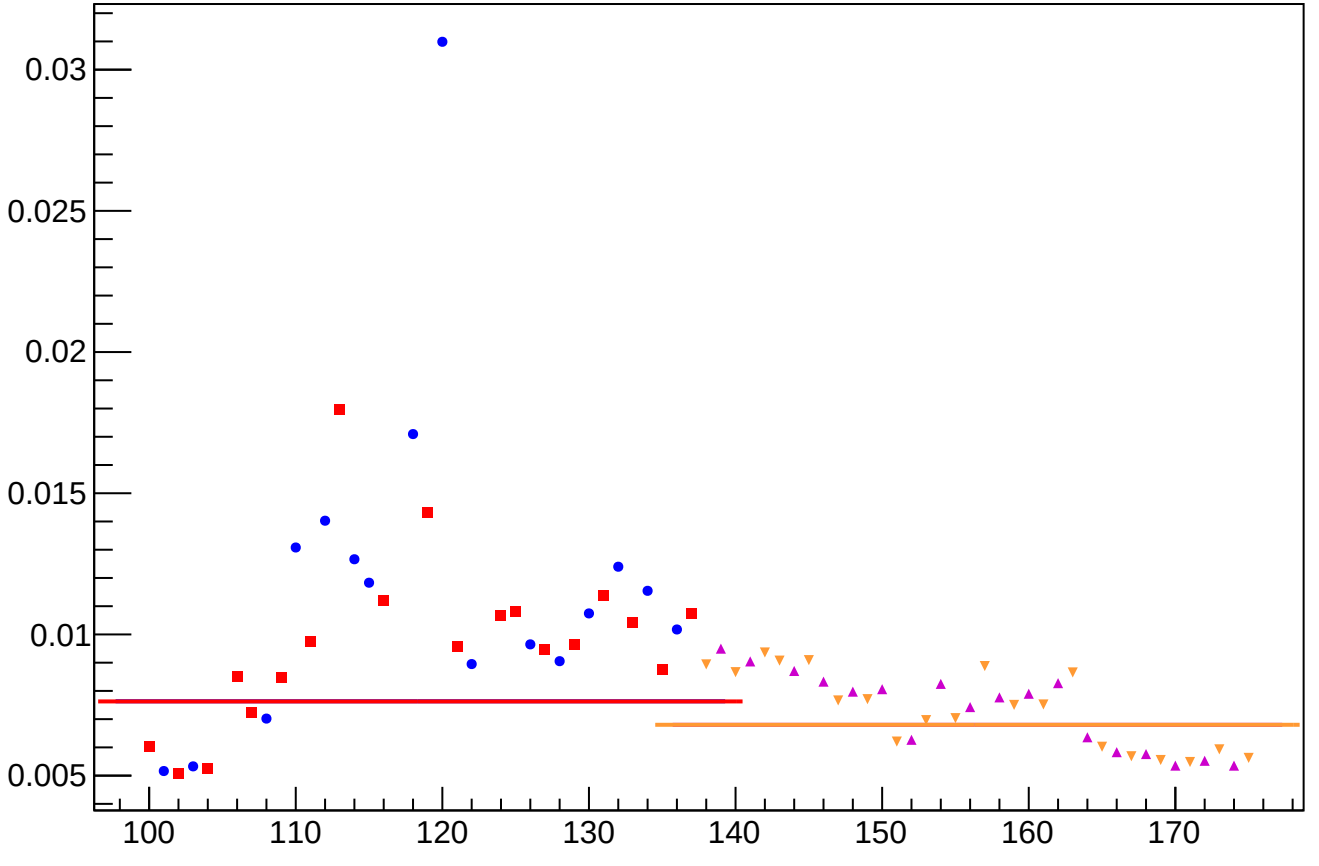
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.101+/-0.000 χ^2/NDF:211109338828.6/33

Out: -1.139+/-0.000 χ^2/NDF:216029334731.6/38

All: -1.121+/-0.000 χ^2/NDF: 427408225998.4

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:945341.8/19

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:983596.1/17

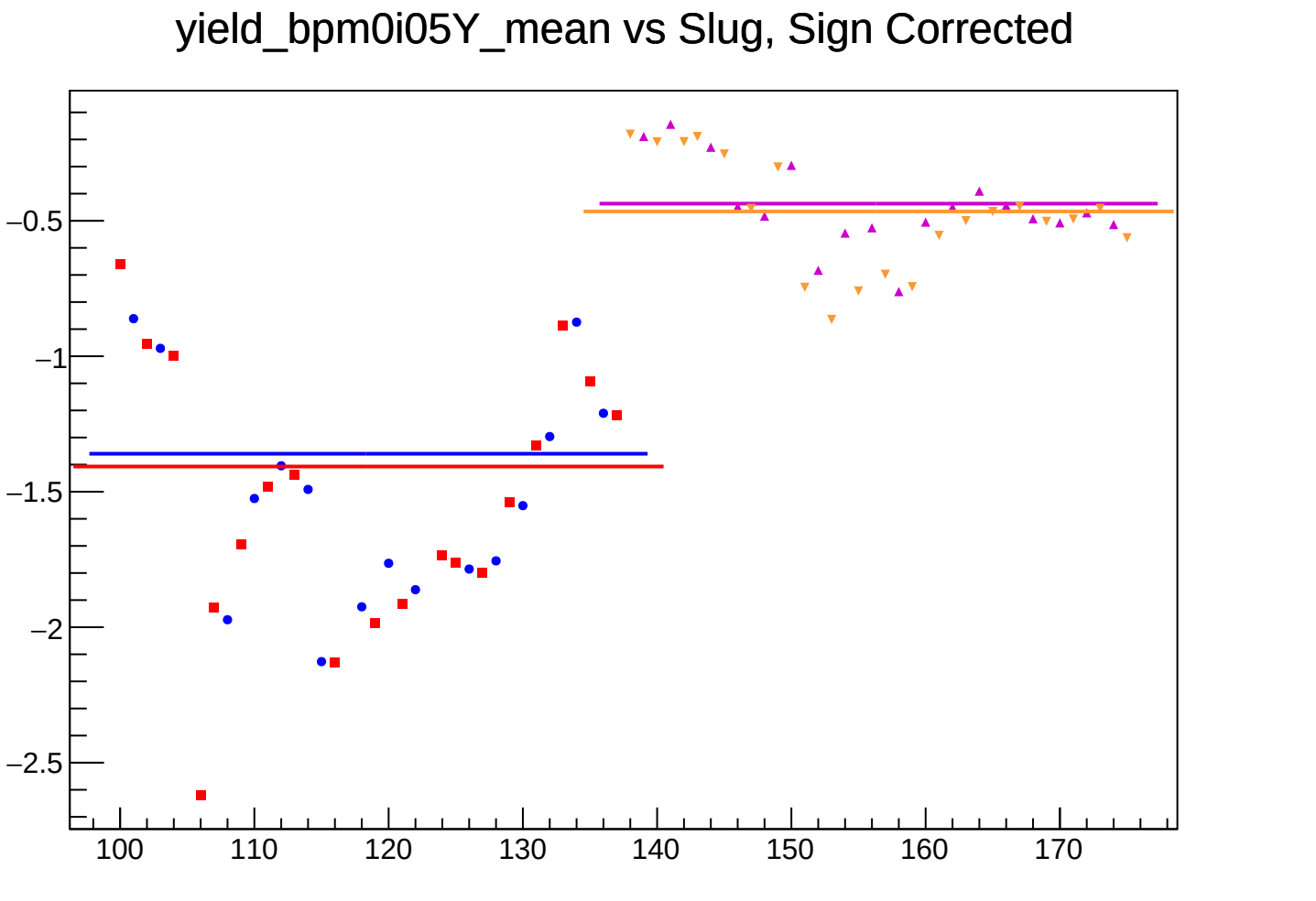
Left: 0.007+/-0.000 χ^2/NDF: 1928939.2/37

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

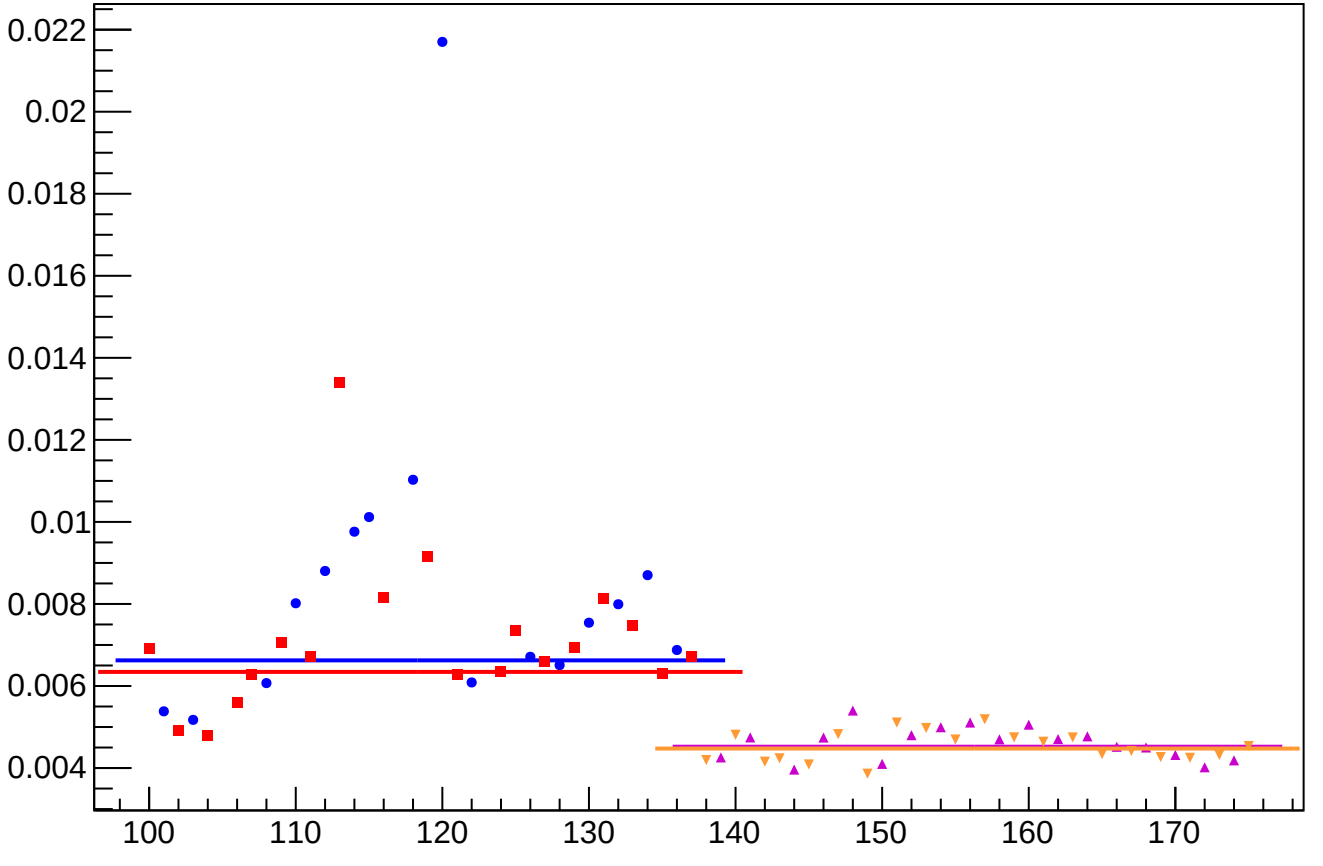
In: 0.007+/-0.000 χ^2/NDF:2786593.0/33

Out: 0.007+/-0.000 χ^2/NDF:2361418.1/38

All: 0.007+/-0.000 χ^2/NDF: 5148016.8/72


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.466+/-0.000 χ²/NDF:28429538114.7/19
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.437+/-0.000 χ²/NDF:16421129668.6/17
Left: -0.452+/-0.000 χ²/NDF: 45136032083.4/37
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.591+/-0.000 χ²/NDF:131475341729.7/33
Out: -0.631+/-0.000 χ²/NDF:169406936173.9/38
All: -0.612+/-0.000 χ²/NDF: 301518060593.6

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:169977.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:197766.5/17

Left: 0.004+/-0.000 χ^2/NDF: 369132.0/37

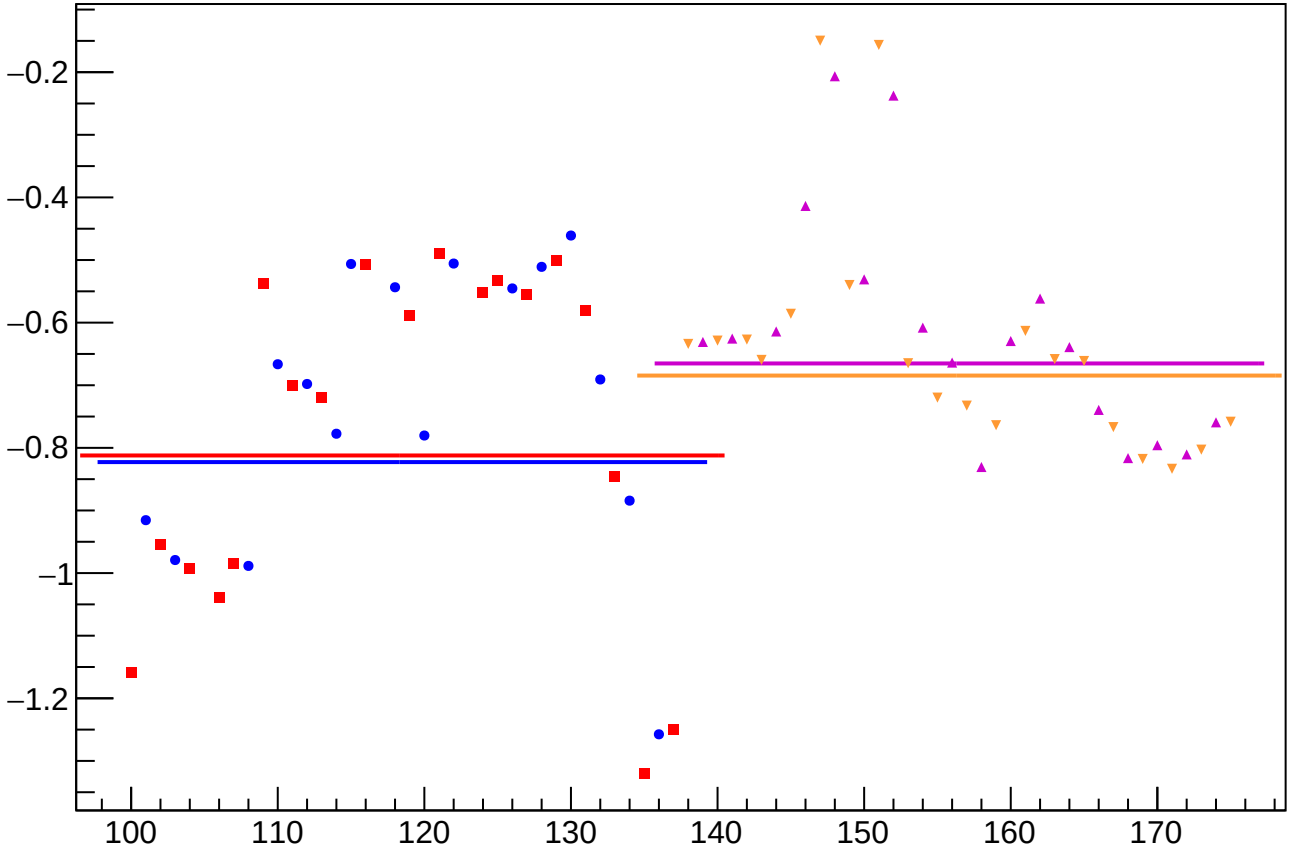
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1864632.3/33

Out: 0.005+/-0.000 χ^2/NDF:1574948.8/38

All: 0.005+/-0.000 χ^2/NDF: 3443641.3/72

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.685+/-0.000 χ^2/NDF:22307134846.8/19

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.665+/-0.000 χ^2/NDF:22379226702.0/17

Left: -0.675+/-0.000 χ^2/NDF: 44828740933.3/37

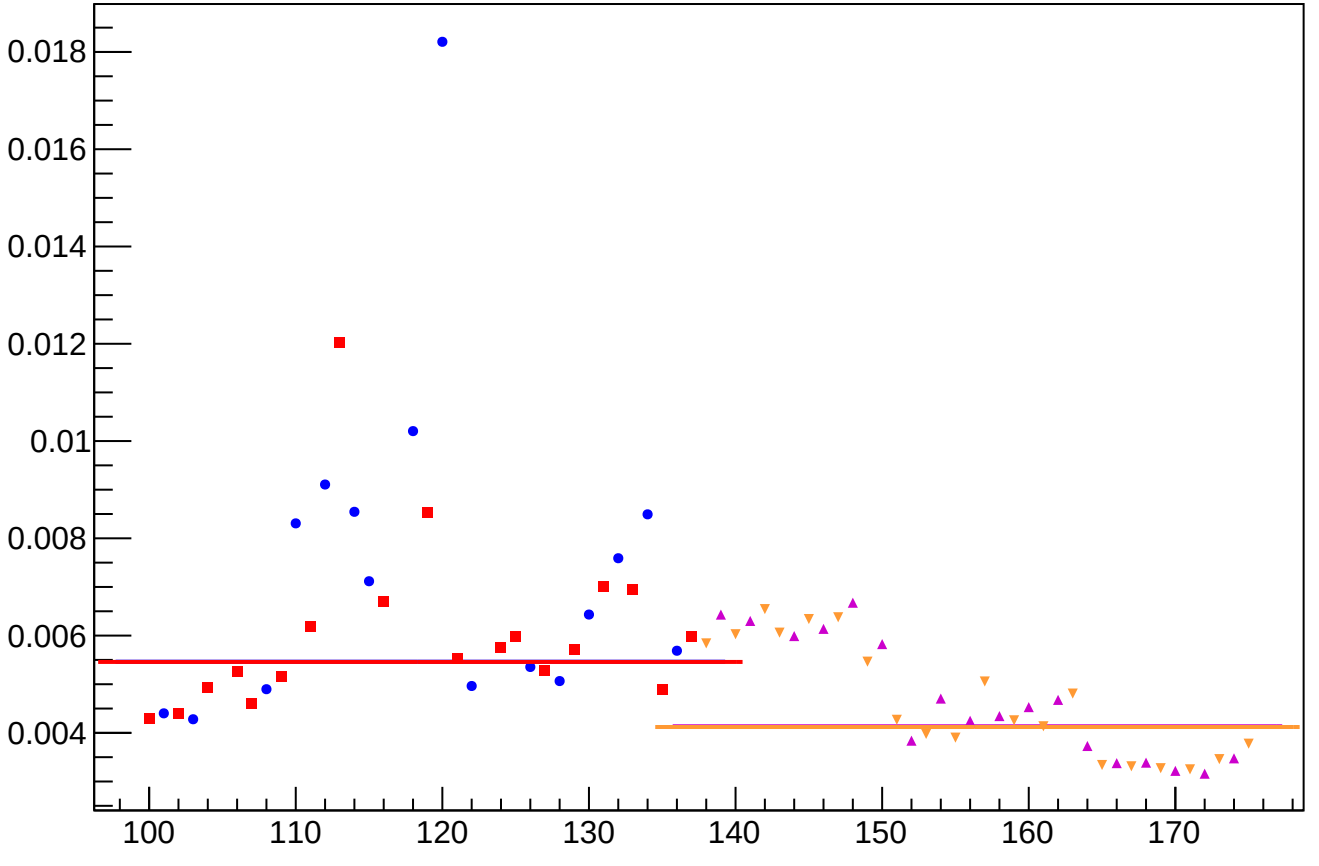
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.697+/-0.000 χ^2/NDF:38267578755.2/33

Out: -0.711+/-0.000 χ^2/NDF:39748871487.8/38

All: -0.704+/-0.000 χ^2/NDF: 78105225635.6/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1486680.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1602733.5/17

Left: 0.004+/-0.000 χ^2/NDF: 3089597.4/37

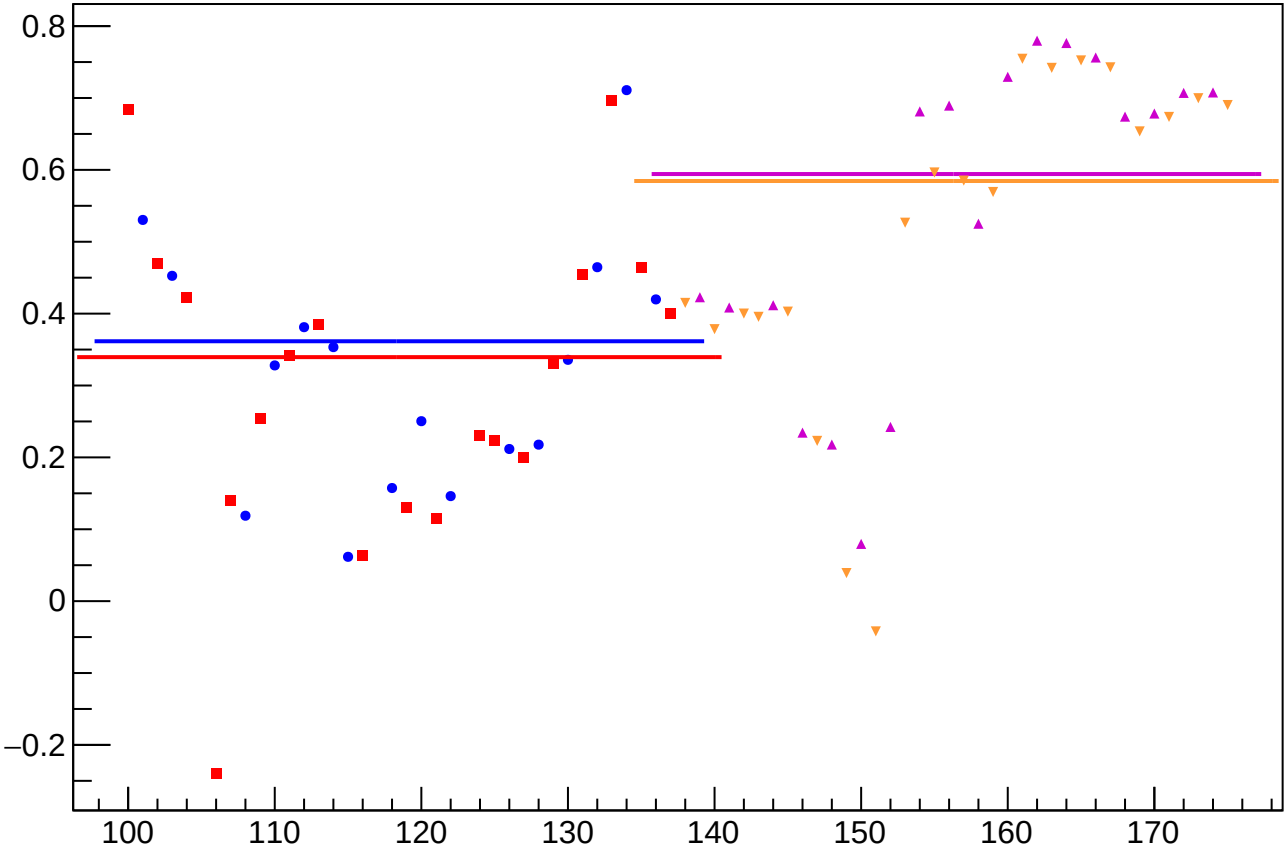
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3084126.9/33

Out: 0.004+/-0.000 χ^2/NDF:2569636.4/38

All: 0.004+/-0.000 χ^2/NDF: 5653860.7/72

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.585+/-0.000 χ^2/NDF:41468480343.9/19

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.594+/-0.000 χ^2/NDF:36356270717.0/17

Left: 0.589+/-0.000 χ^2/NDF: 77872674636.1/37

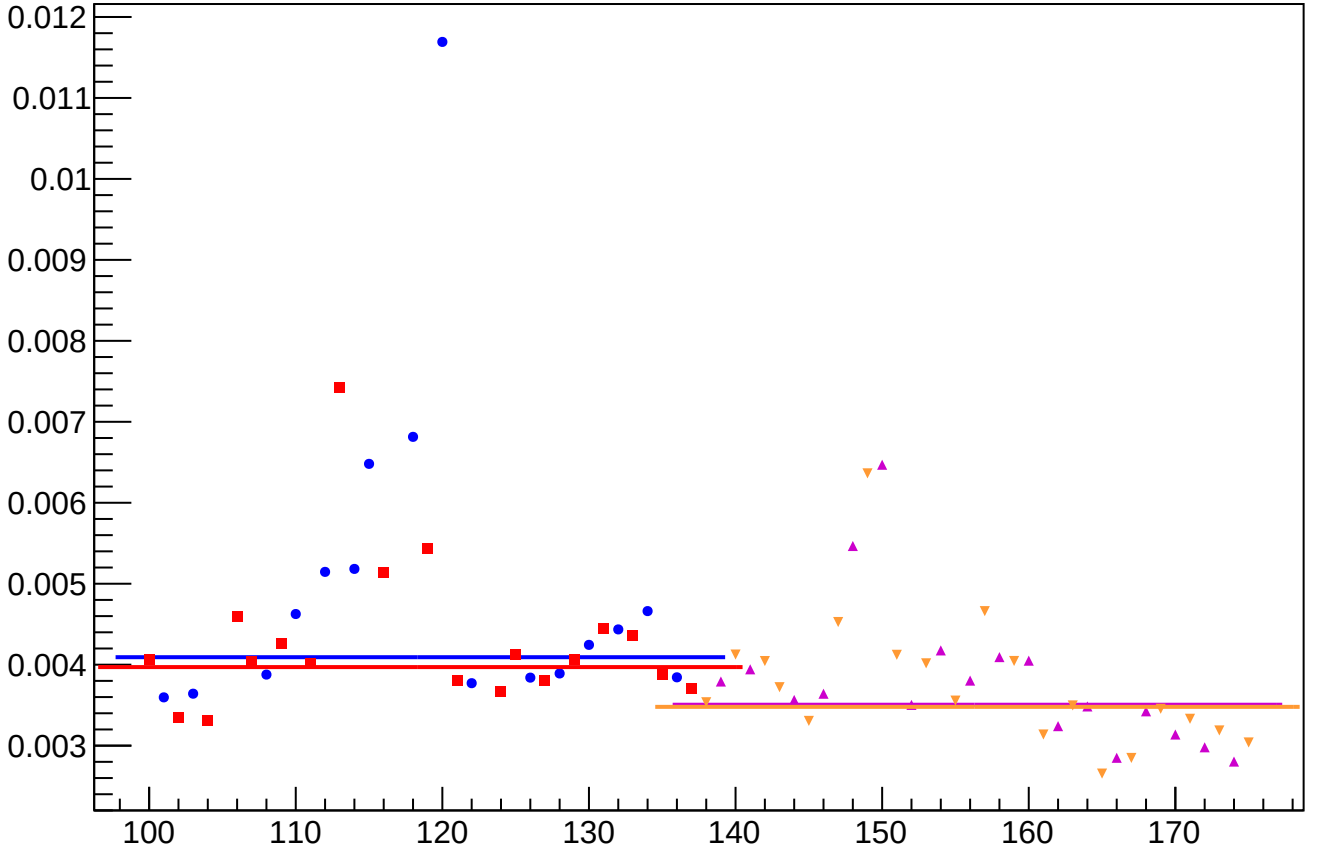
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.531+/-0.000 χ^2/NDF:59553347538.8/33

Out: 0.517+/-0.000 χ^2/NDF:71206487512.7/38

All: 0.524+/-0.000 χ^2/NDF: 130902807170.0

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:801423.7/19

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:820757.0/17

Left: 0.003+/-0.000 χ^2/NDF: 1622889.0/37

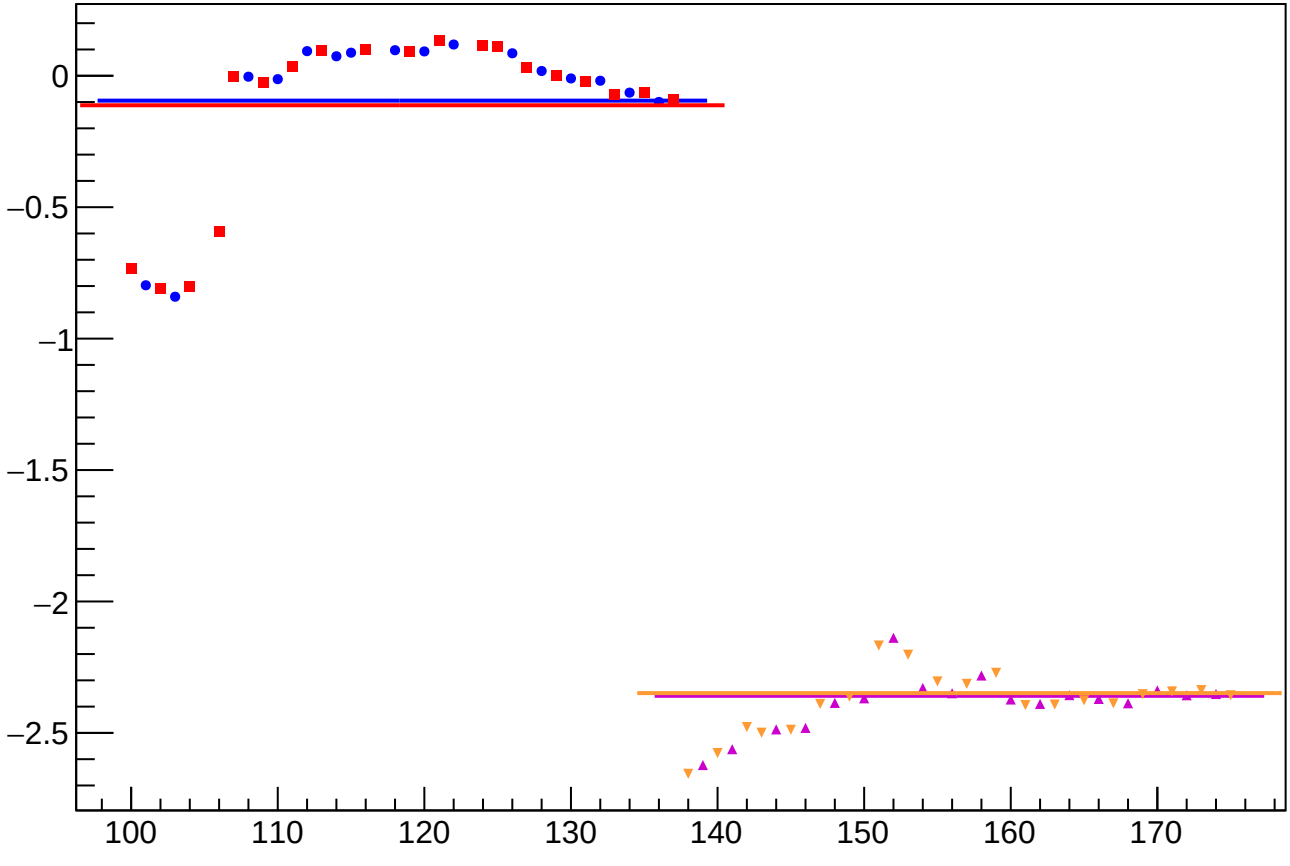
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1496128.3/33

Out: 0.004+/-0.000 χ^2/NDF:1257123.7/38

All: 0.004+/-0.000 χ^2/NDF: 2756758.2/72

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1675016269.0/19

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.359+/-0.000 χ^2/NDF:1297902757.8/17

Left: -2.353+/-0.000 χ^2/NDF: 2981664224.6/37

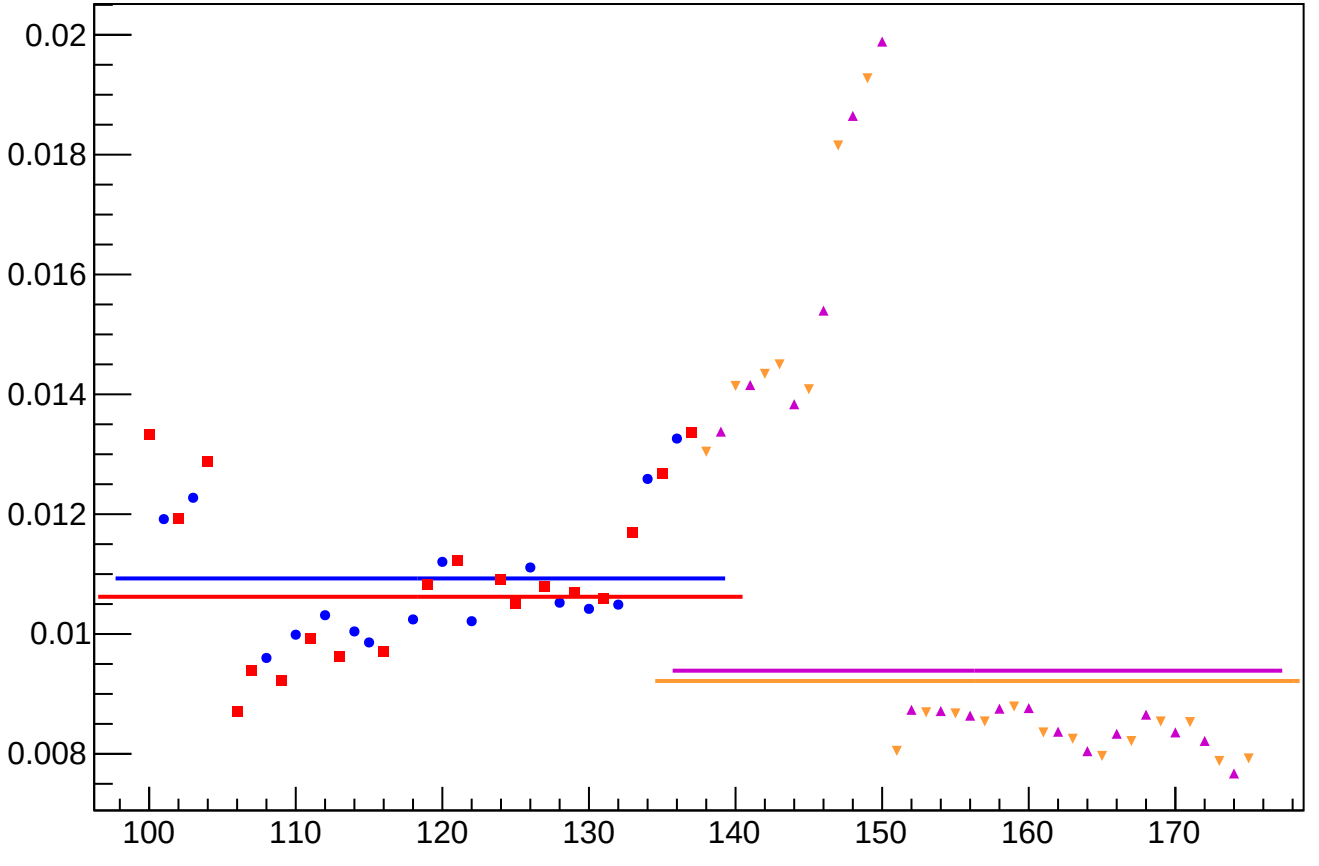
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.734+/-0.000 χ^2/NDF:228146748092.1/33

Out: -1.737+/-0.000 χ^2/NDF:245274201596.2/38

All: -1.735+/-0.000 χ^2/NDF: 473422174489.2

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1968697.5/19

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1994897.3/17

Left: 0.009+/-0.000 χ^2/NDF: 3968448.2/37

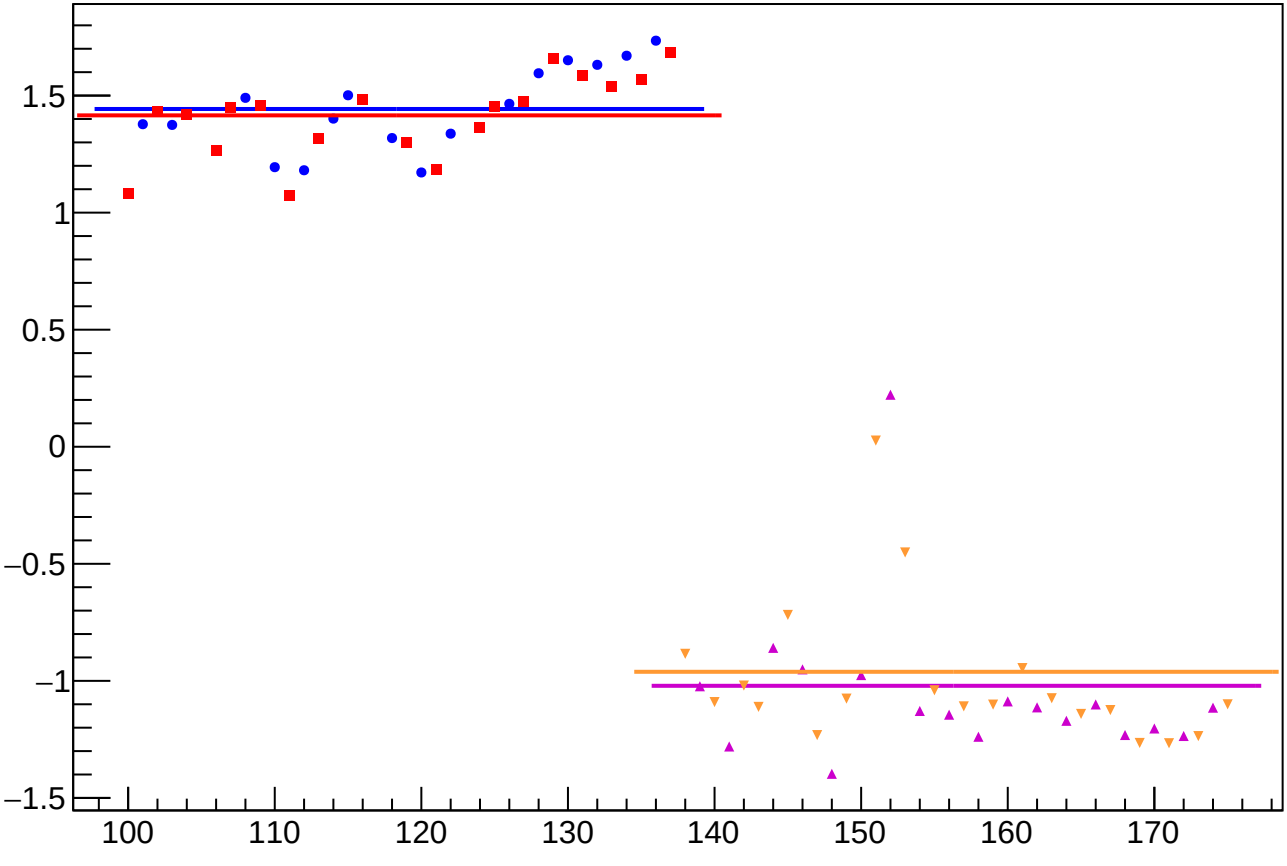
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2336048.6/33

Out: 0.010+/-0.000 χ^2/NDF:2346693.4/38

All: 0.010+/-0.000 χ^2/NDF: 4692991.8/72

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.961+/-0.000 χ^2/NDF:36279955935.9/19

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.021+/-0.000 χ^2/NDF:42917141454.3/17

Left: -0.990+/-0.000 χ^2/NDF: 79686778364.9/37

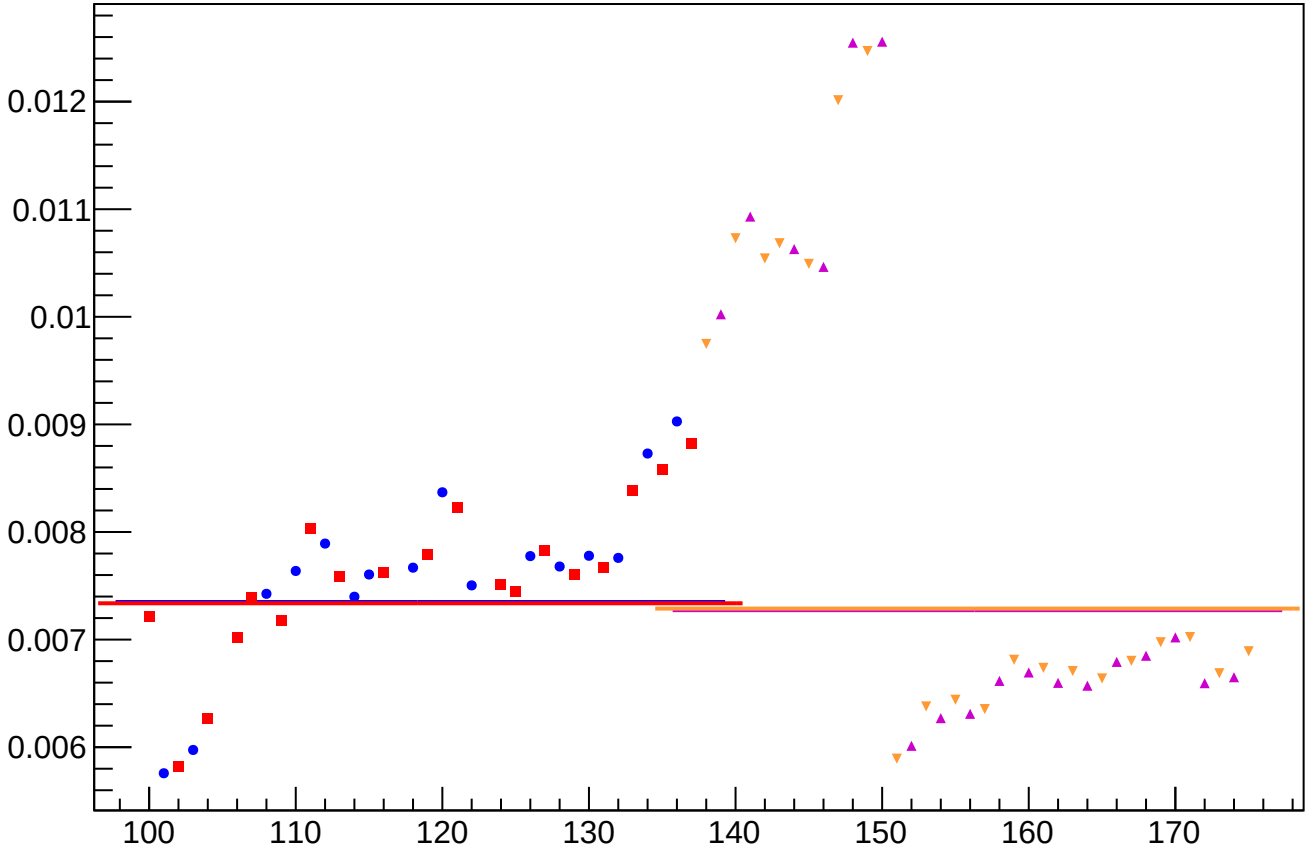
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.207+/-0.000 χ^2/NDF:578439122459.4/33

Out: -0.185+/-0.000 χ^2/NDF:560005593765.1/38

All: -0.196+/-0.000 χ^2/NDF: 1138542049174

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1477568.7/19

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1546000.7/17

Left: 0.007+/-0.000 χ^2/NDF: 3023627.1/37

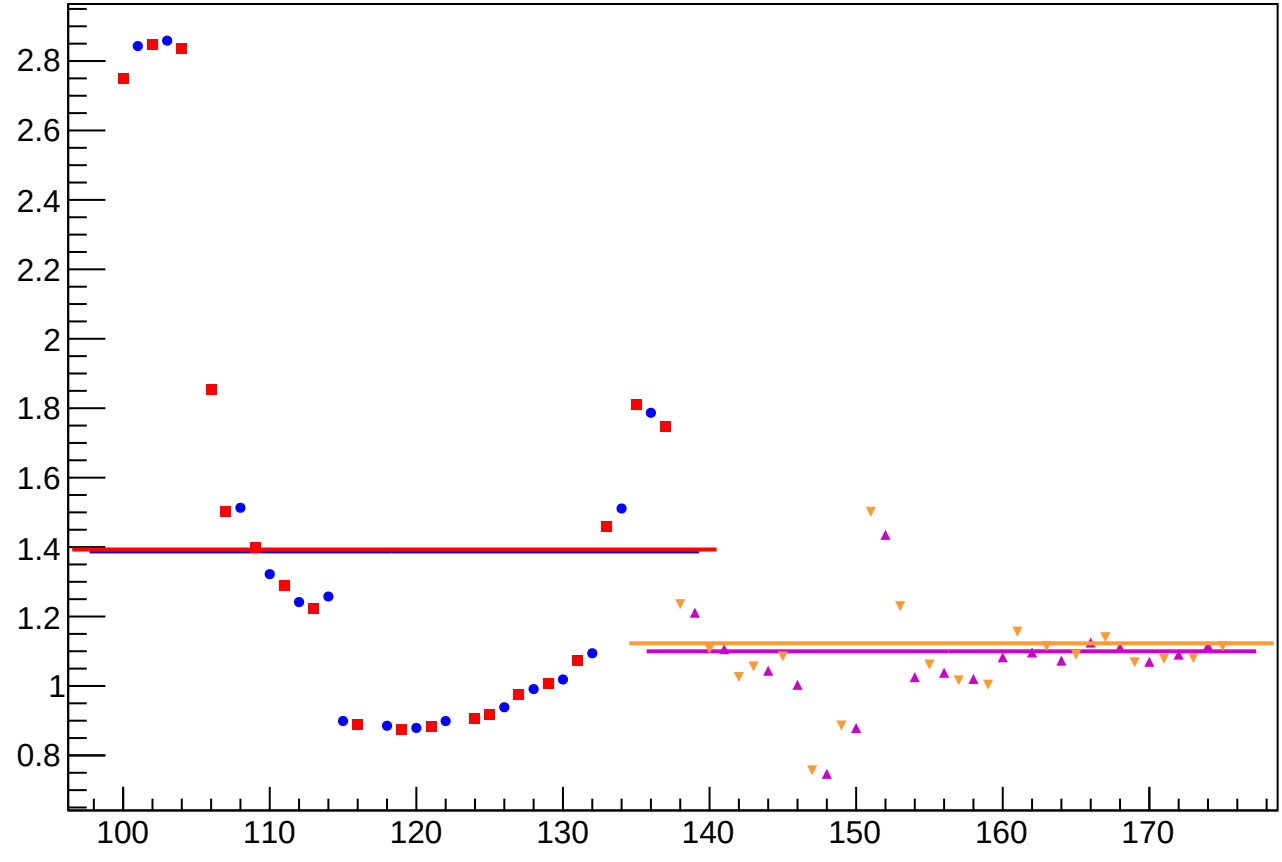
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1817868.8/33

Out: 0.007+/-0.000 χ^2/NDF:1673390.0/38

All: 0.007+/-0.000 χ^2/NDF: 3491271.7/72

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.123+/-0.000 χ^2/NDF:5486541418.6/19

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4185531967.1/17

Left: 1.112+/-0.000 χ^2/NDF: 9746677112.6/37

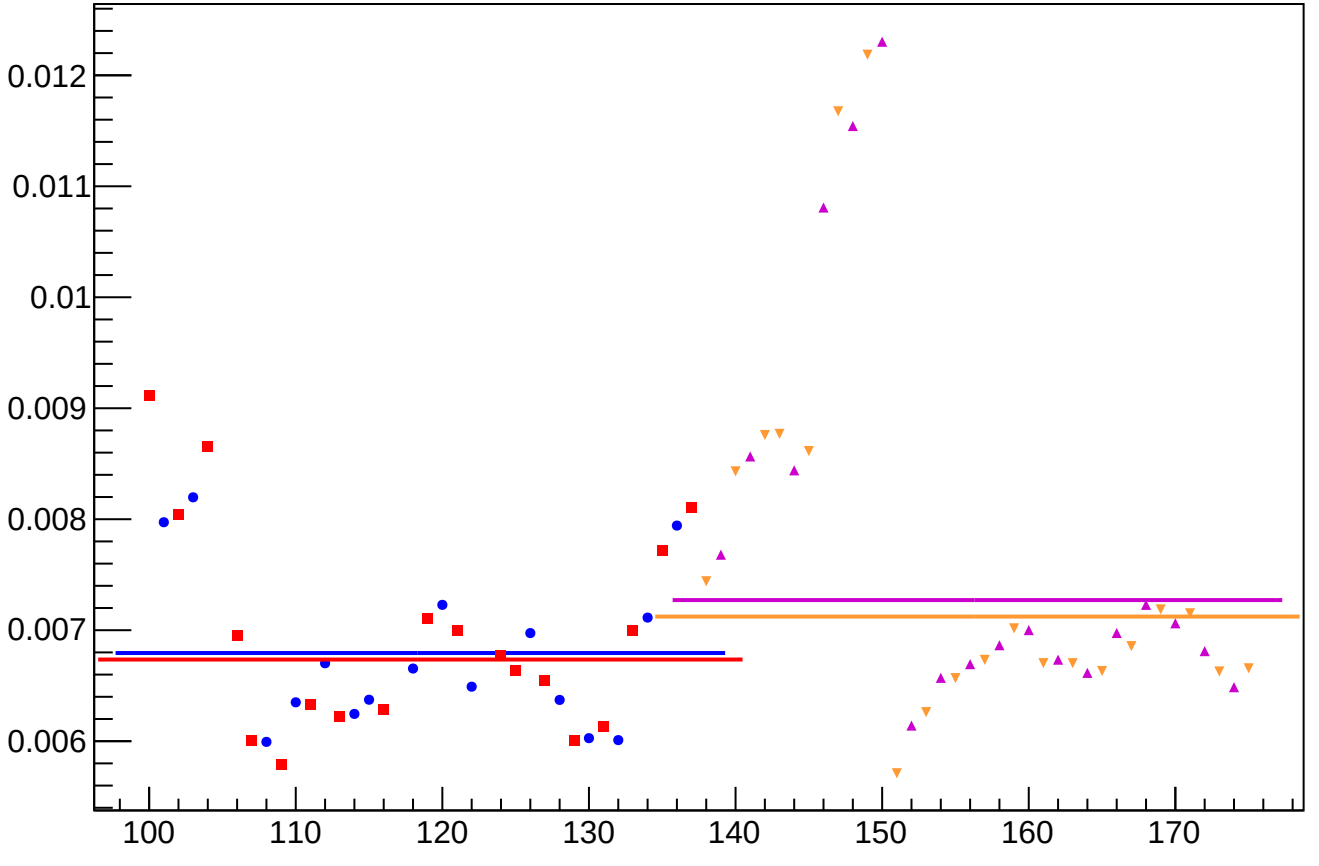
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.205+/-0.000 χ^2/NDF:70876427607.8/33

Out: 1.219+/-0.000 χ^2/NDF:68493390163.3/38

All: 1.212+/-0.000 χ^2/NDF: 139409390657.8

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:844162.5/19

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:896911.7/17

Left: 0.007+/-0.000 χ^2/NDF: 1747266.1/37

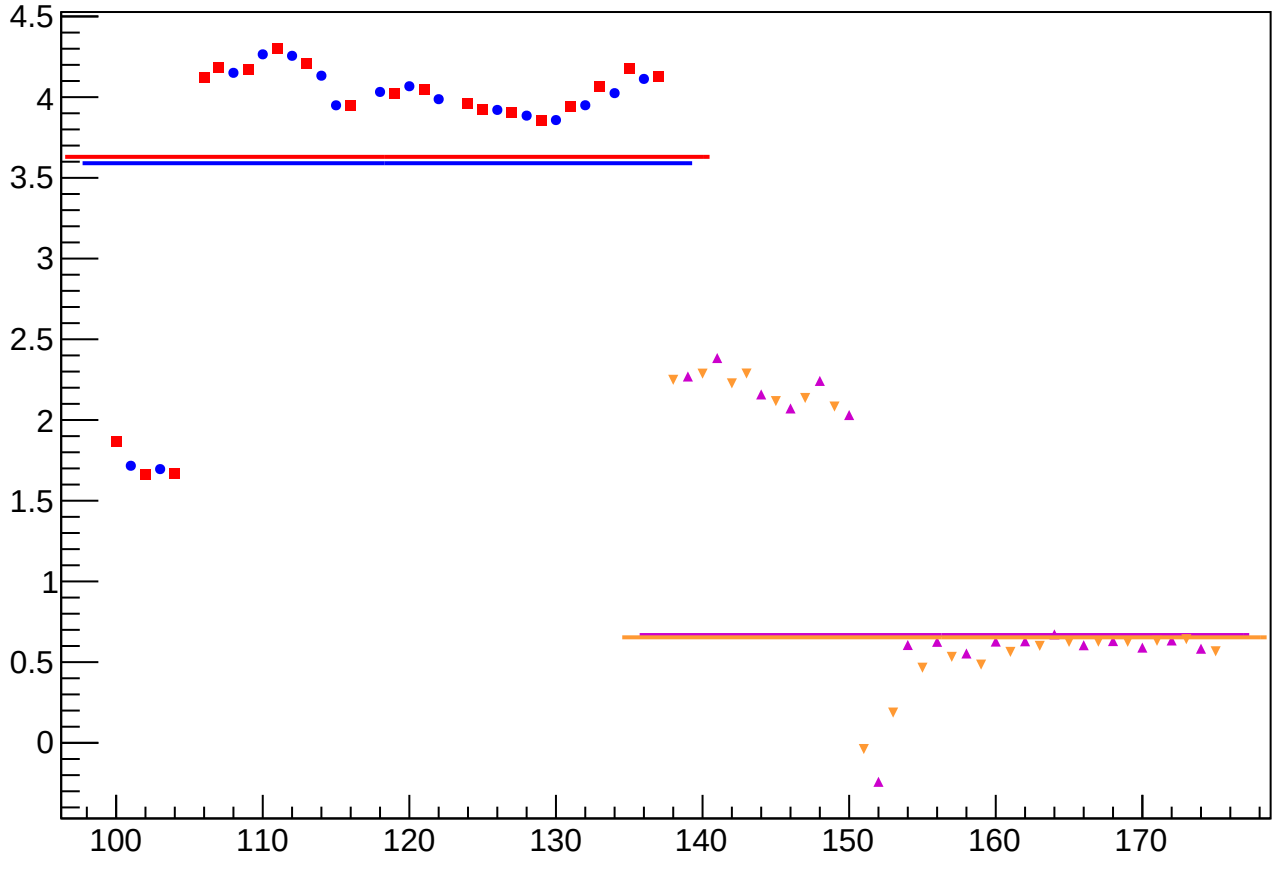
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1105747.9/33

Out: 0.007+/-0.000 χ^2/NDF:1074021.5/38

All: 0.007+/-0.000 χ^2/NDF: 2185185.0/72

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.654+/-0.000 χ^2/NDF:244884611673.5/19

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.668+/-0.000 χ^2/NDF:243686081379.7/17

Left: 0.661+/-0.000 χ^2/NDF: 488656333928.4/37

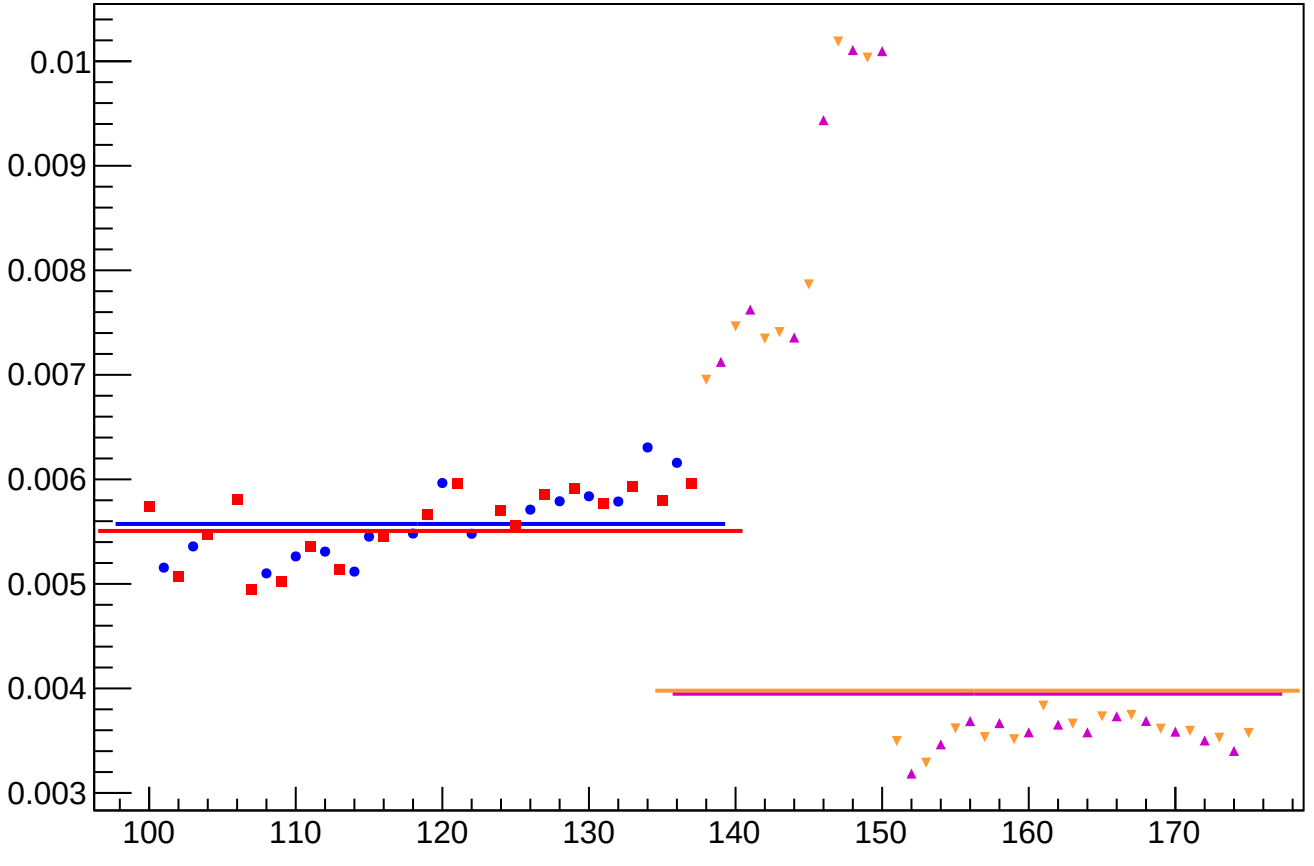
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.308+/-0.000 χ^2/NDF:1985172020915.8/33

Out: 1.300+/-0.000 χ^2/NDF:2127893266358.0/38

All: 1.304+/-0.000 χ^2/NDF: 4113103891071.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2894118.6/19

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3097507.7/17

Left: 0.004+/-0.000 χ^2/NDF: 5992331.8/37

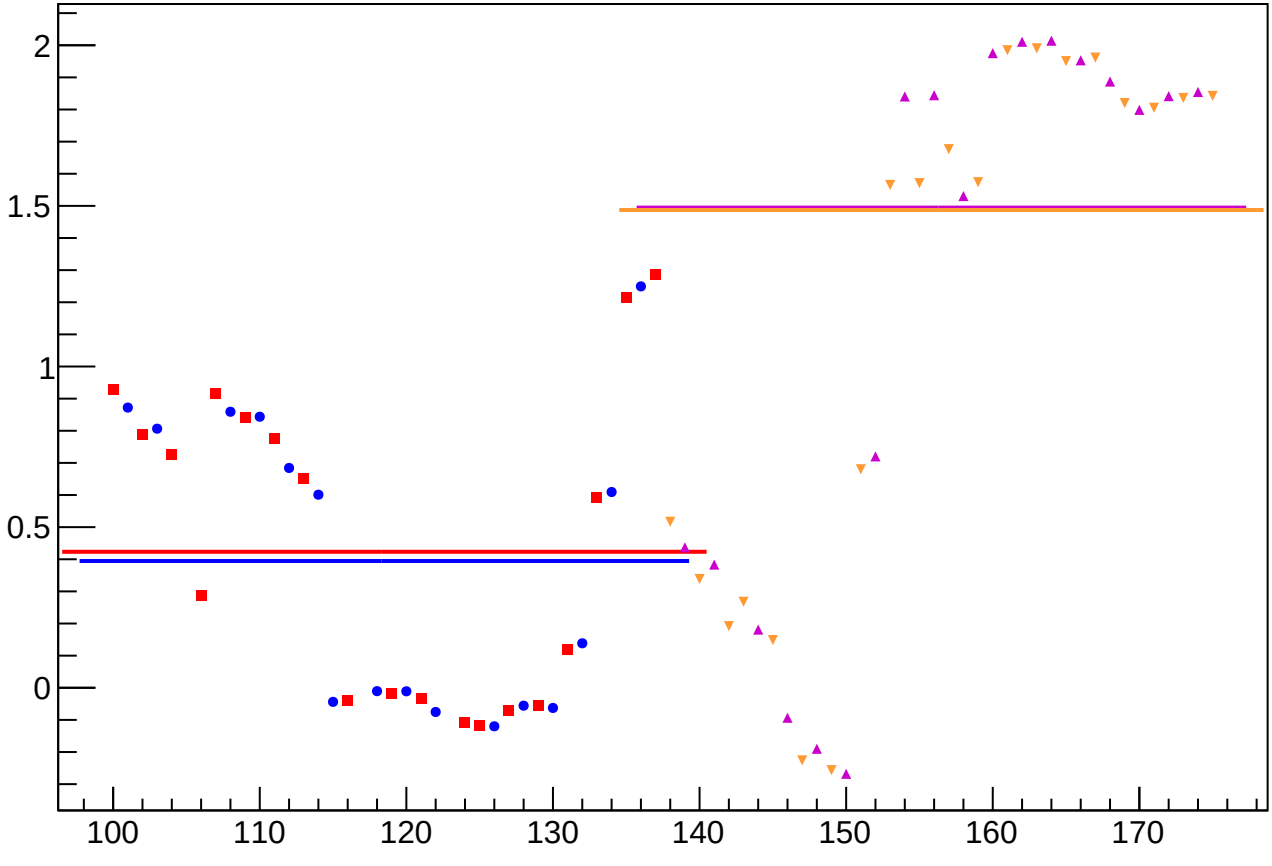
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4107321.8/33

Out: 0.004+/-0.000 χ^2/NDF:3832466.3/38

All: 0.004+/-0.000 χ^2/NDF: 7939813.5/72

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.487+/-0.000 χ^2/NDF:55041749474.9/19

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.495+/-0.000 χ^2/NDF:59383031700.2/17

Left: 1.491+/-0.000 χ^2/NDF: 114428321442.7/37

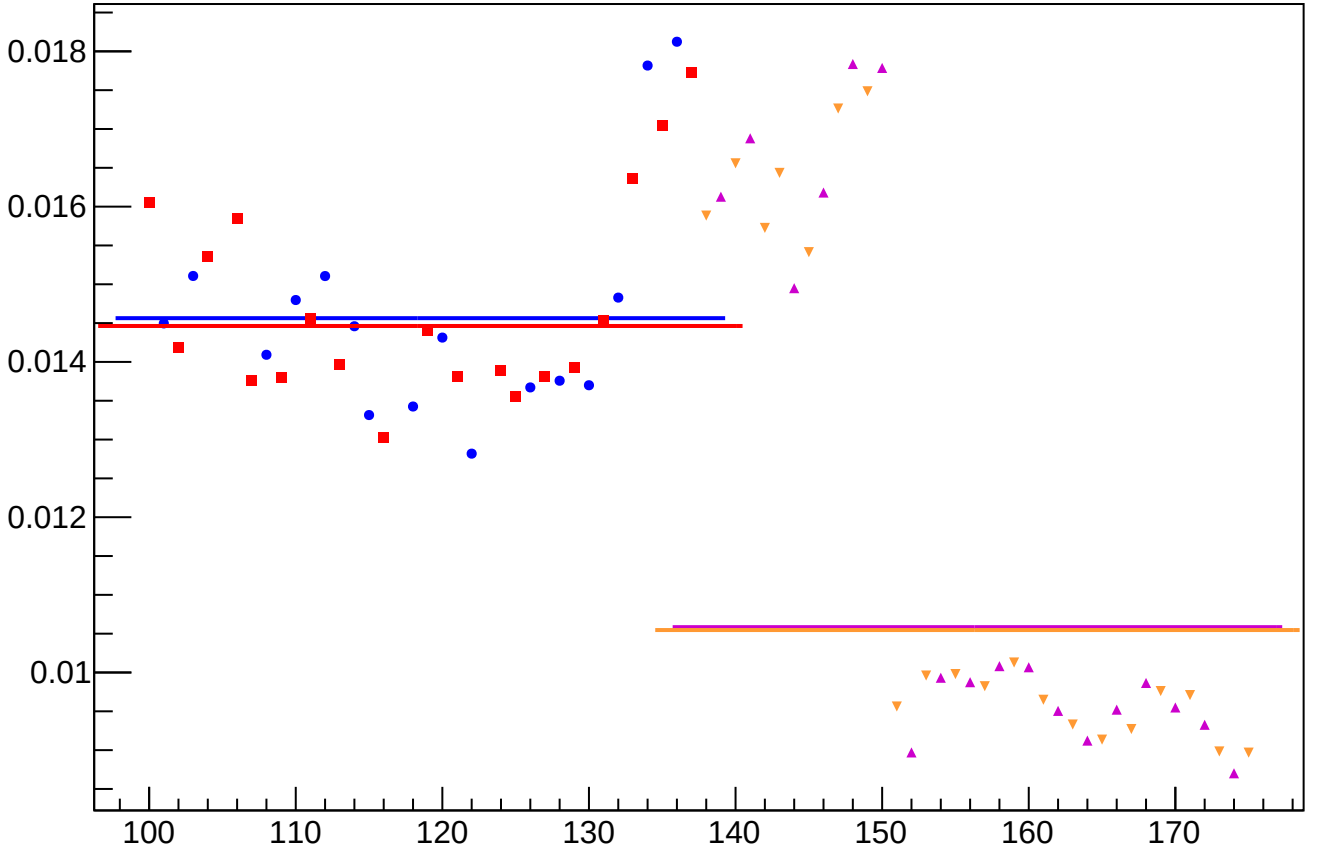
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.261+/-0.000 χ^2/NDF:98681999153.7/33

Out: 1.267+/-0.000 χ^2/NDF:93196923747.3/38

All: 1.264+/-0.000 χ^2/NDF: 191881724512.9

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1618922.2/19

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1647446.7/17

Left: 0.011+/-0.000 χ^2/NDF: 3266547.3/37

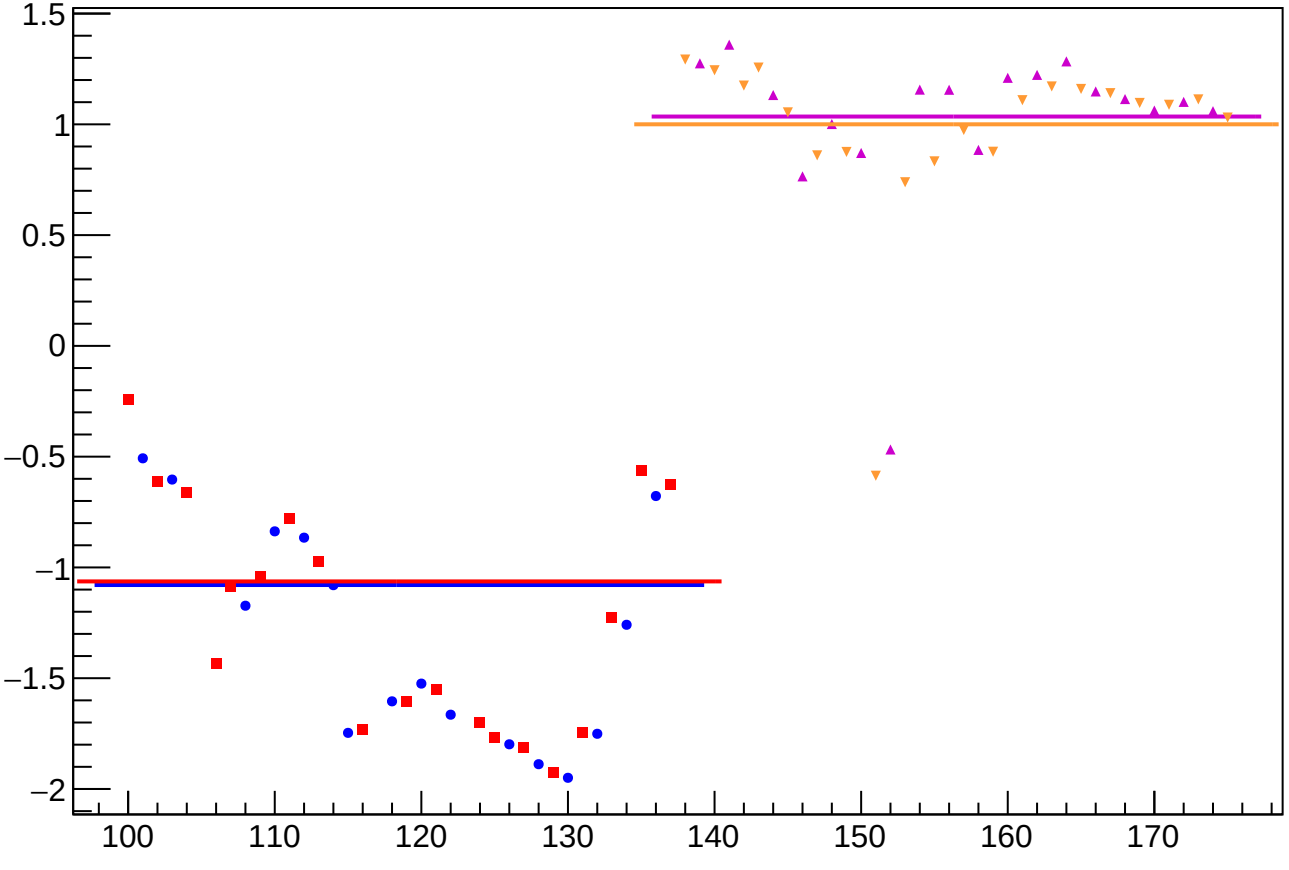
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2615161.8/33

Out: 0.011+/-0.000 χ^2/NDF:2543190.7/38

All: 0.011+/-0.000 χ^2/NDF: 5159181.1/72

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.000+/-0.000 χ^2/NDF:110470461483.4/19

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.035+/-0.000 χ^2/NDF:125211737237.4/17

Left: 1.017+/-0.000 χ^2/NDF: 236348356900.0/37

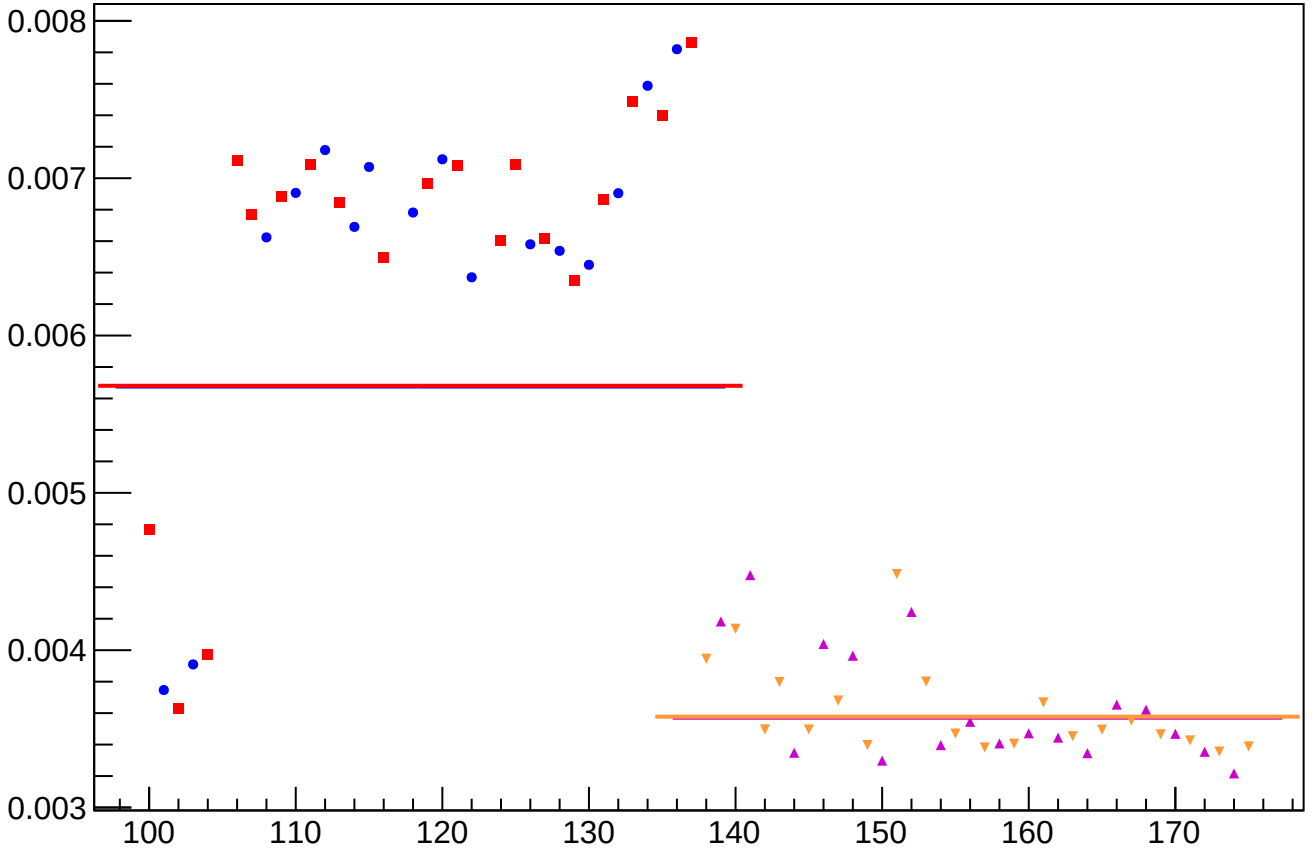
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.700+/-0.000 χ^2/NDF:928738635727.8/33

Out: 0.689+/-0.000 χ^2/NDF:882582488771.8/38

All: 0.694+/-0.000 χ^2/NDF: 1811410525235.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:143687.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:236246.9/17

Left: 0.004+/-0.000 χ^2/NDF: 379980.9/37

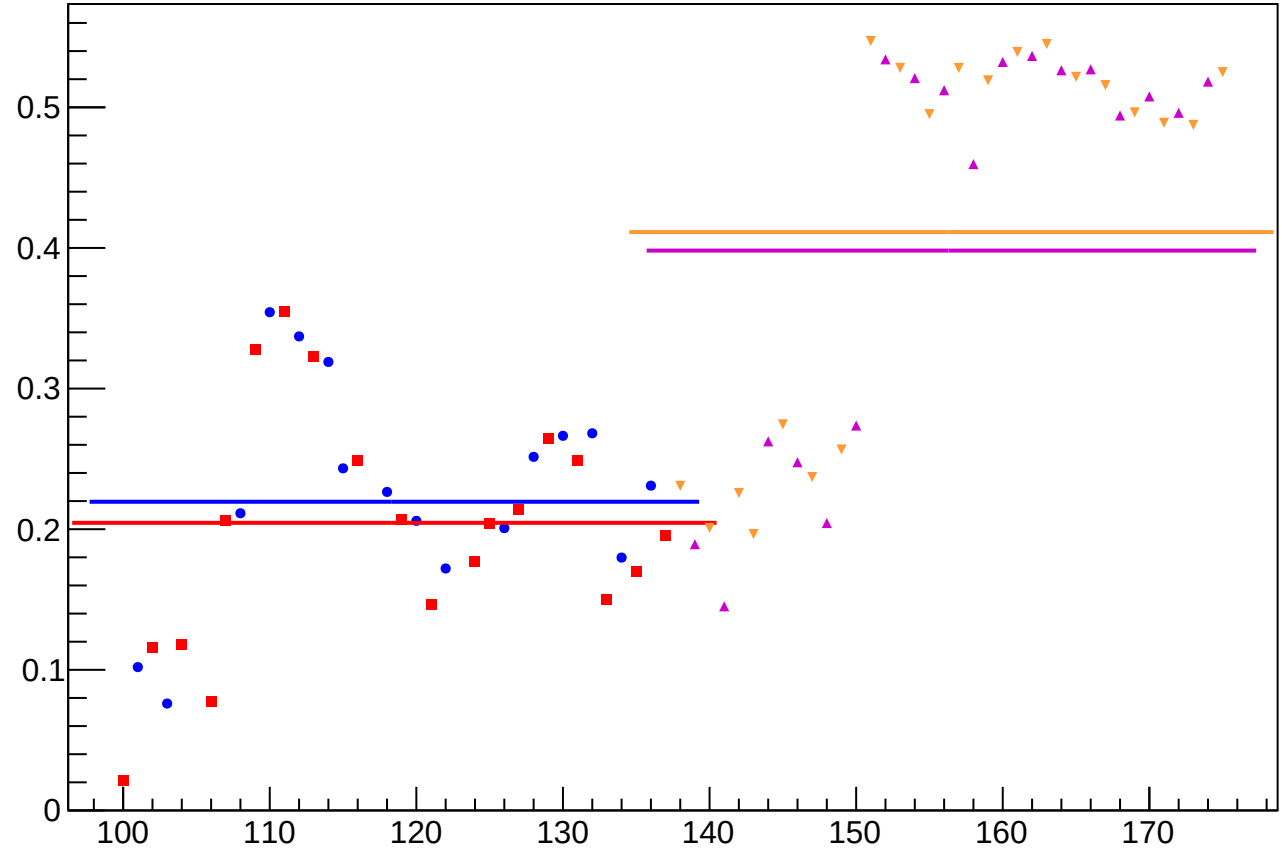
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2655481.3/33

Out: 0.004+/-0.000 χ^2/NDF:2625217.2/38

All: 0.004+/-0.000 χ^2/NDF: 5280806.3/72

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.411+/-0.000 χ^2/NDF:141026966117.3/19

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.398+/-0.000 χ^2/NDF:136578897252.8/17

Left: 0.405+/-0.000 χ^2/NDF: 278186507894.6/37

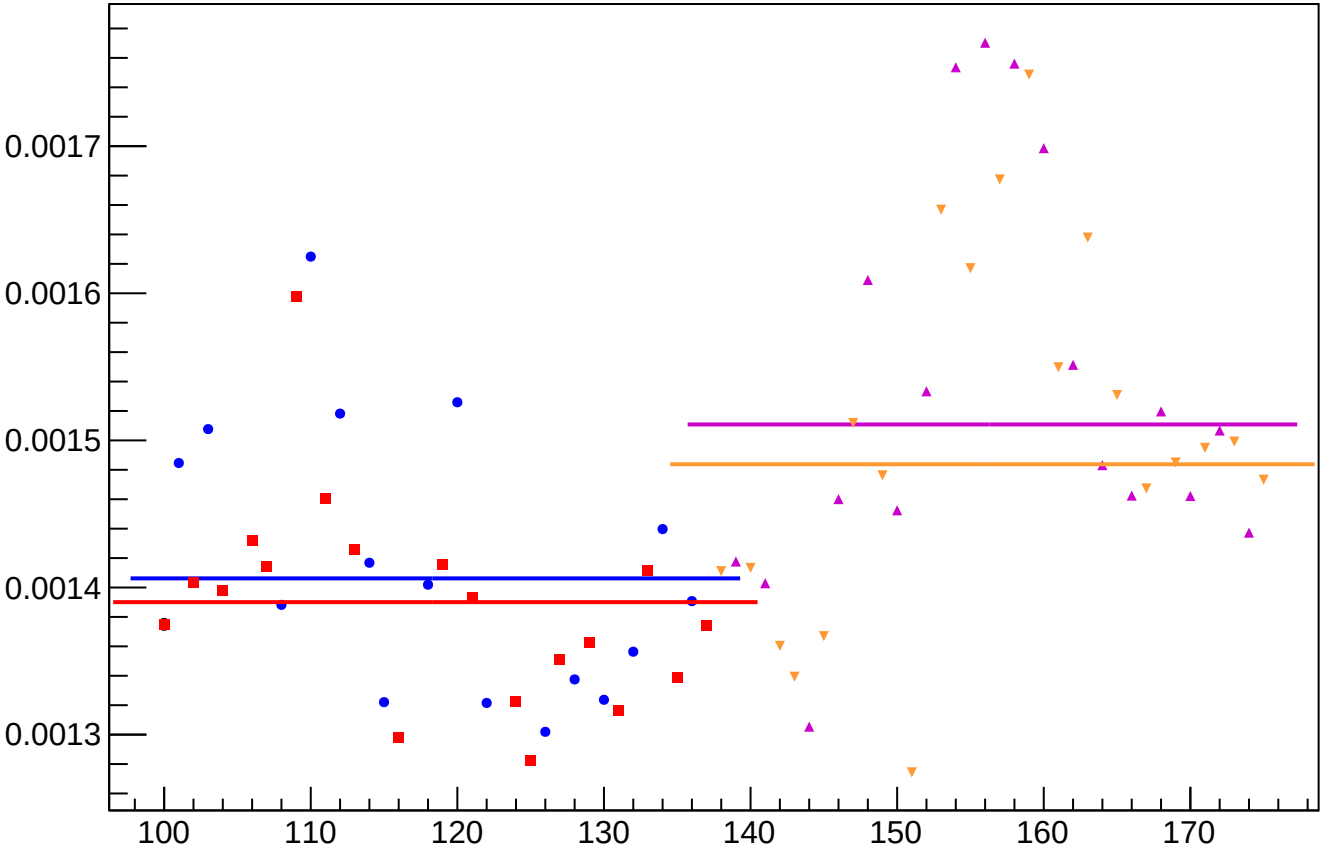
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.335+/-0.000 χ^2/NDF:225465695293.4/33

Out: 0.339+/-0.000 χ^2/NDF:268971591542.5/38

All: 0.337+/-0.000 χ^2/NDF: 494543550937.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:201150.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:203541.5/17

Left: 0.001+/-0.000 χ^2/NDF: 409606.6/37

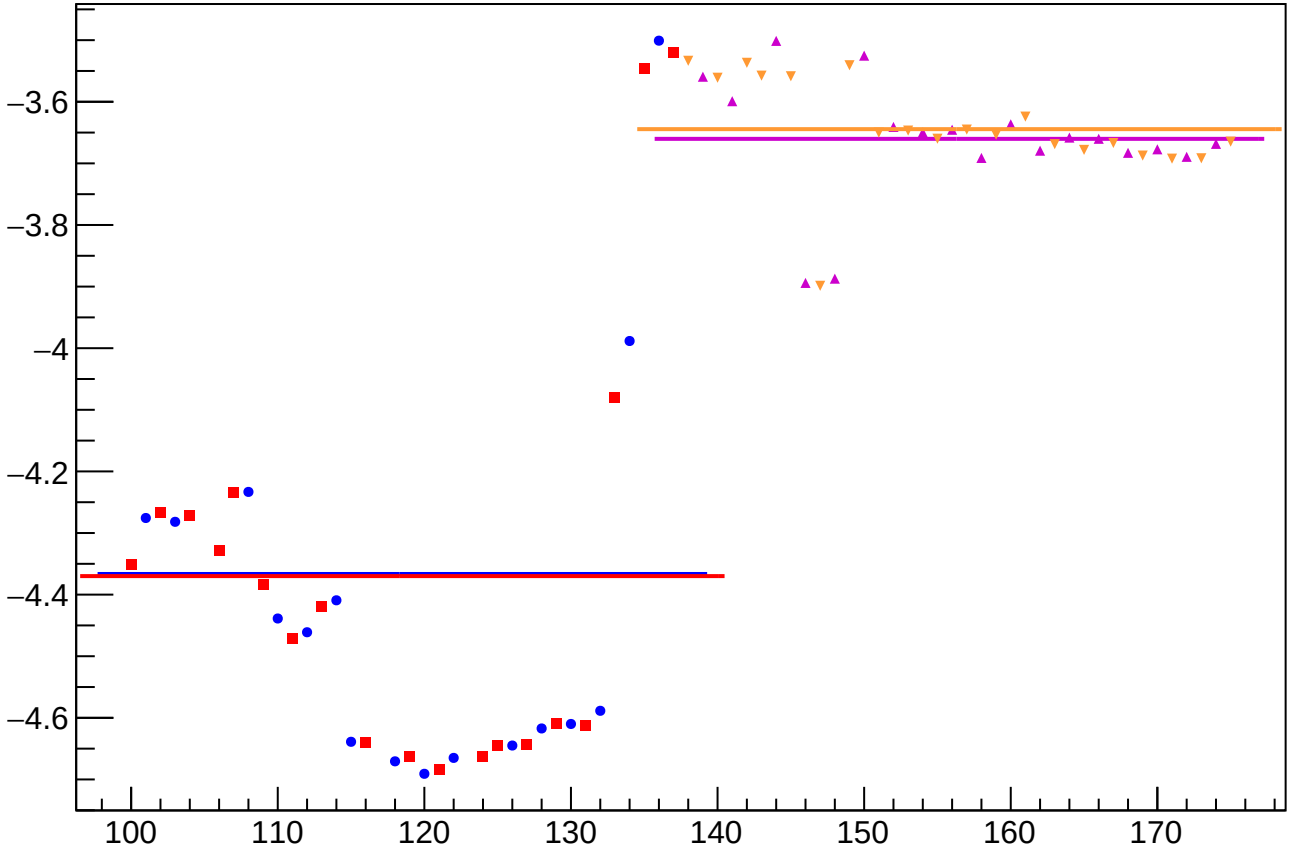
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:301269.8/33

Out: 0.001+/-0.000 χ^2/NDF:279334.5/38

All: 0.001+/-0.000 χ^2/NDF: 585876.7/72

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.644+/-0.000 χ^2/NDF:25143170342.2/19

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.660+/-0.000 χ^2/NDF:34077549604.2/17

Left: -3.652+/-0.000 χ^2/NDF: 59847905951.2/37

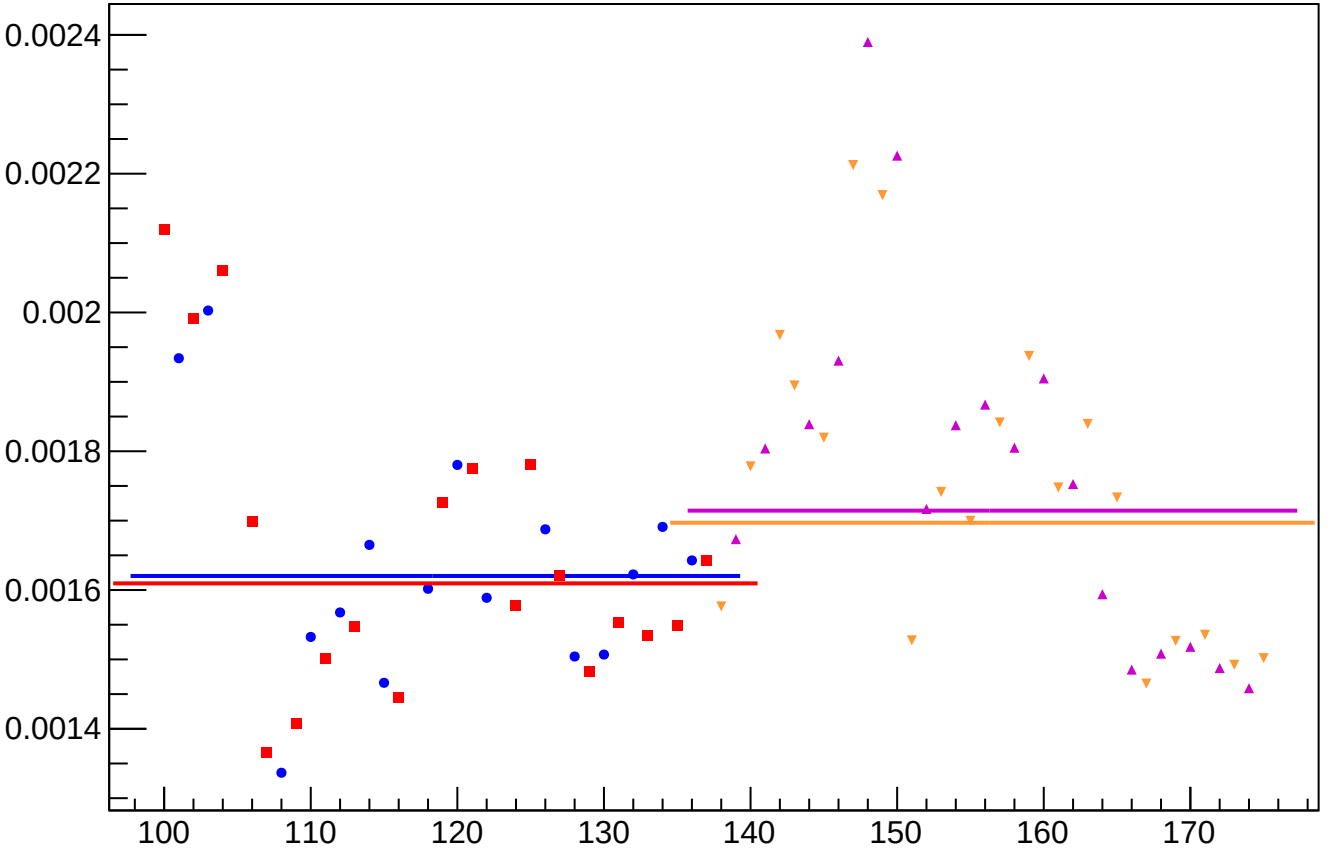
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.908+/-0.000 χ^2/NDF:1234713078264.1/33

Out: -3.893+/-0.000 χ^2/NDF:1271941014400.3/38

All: -3.900+/-0.000 χ^2/NDF: 2507541057747

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:417763.3/19

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:476266.6/17

Left: 0.002+/-0.000 χ^2/NDF: 895566.2/37

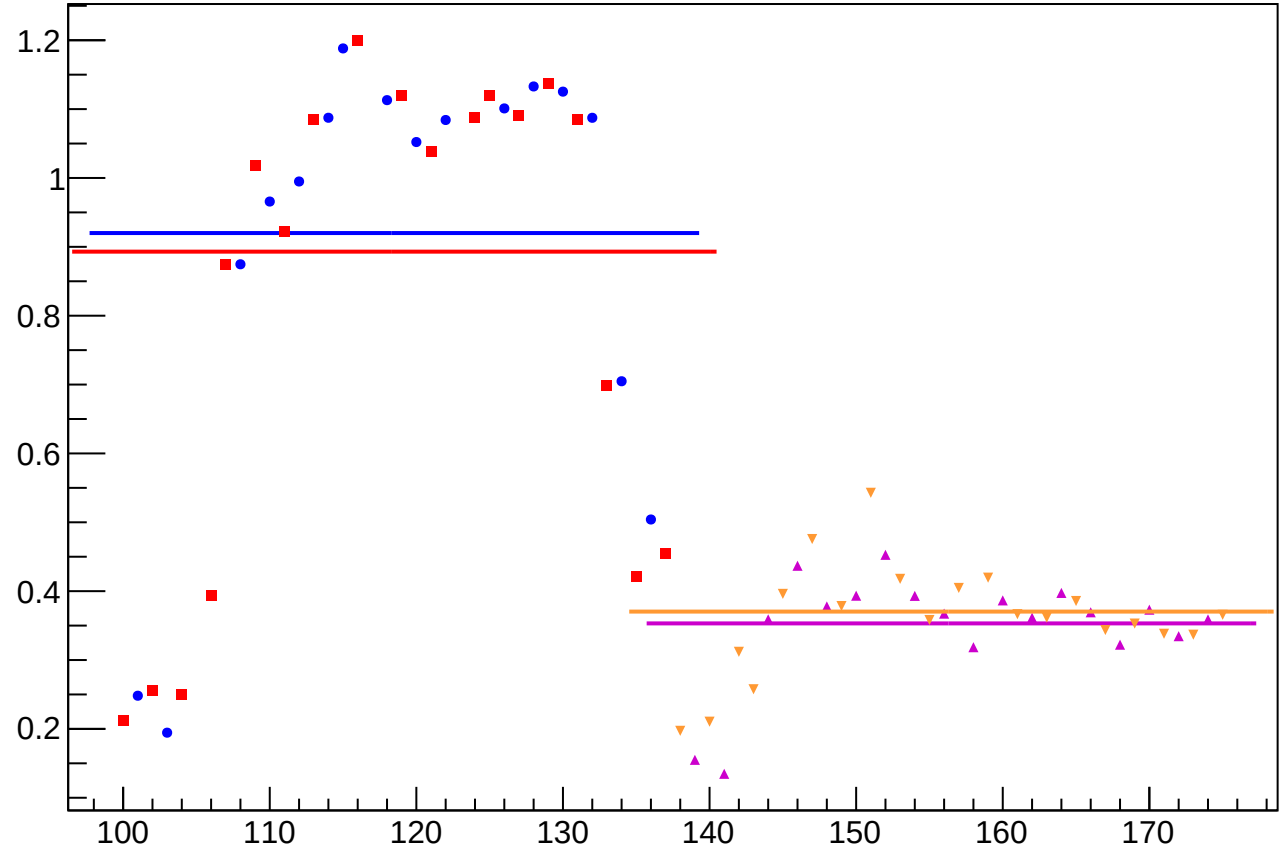
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:646609.5/33

Out: 0.002+/-0.000 χ^2/NDF:630306.7/38

All: 0.002+/-0.000 χ^2/NDF: 1278502.8/72

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.370+/-0.000 χ^2/NDF:1759482824.2/19

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.353+/-0.000 χ^2/NDF:1454203988.2/17

Left: 0.362+/-0.000 χ^2/NDF: 3257239142.0/37

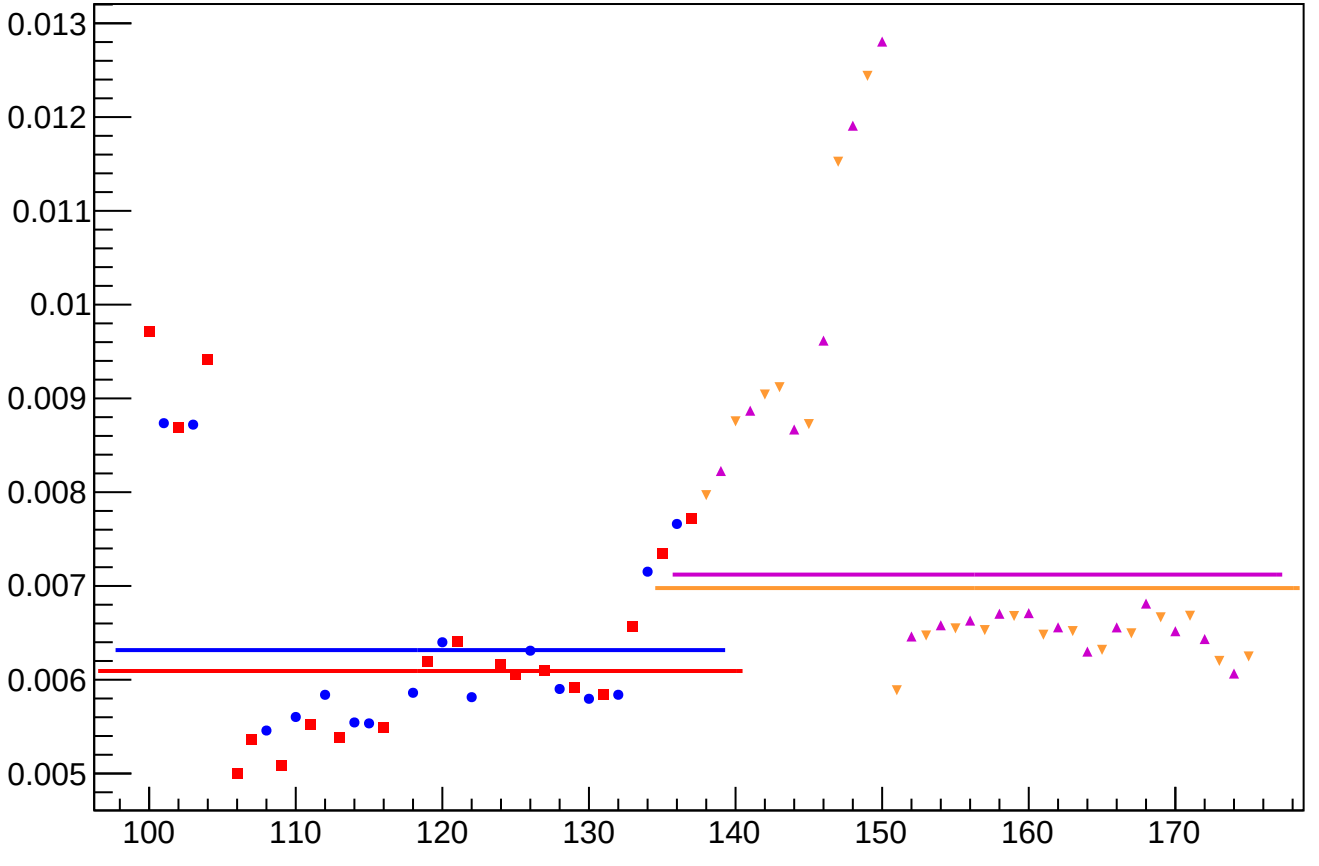
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.571+/-0.000 χ^2/NDF:50762787535.0/33

Out: 0.571+/-0.000 χ^2/NDF:52252225182.0/38

All: 0.571+/-0.000 χ^2/NDF: 103015012966.7

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1047267.3/19

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1075021.4/17

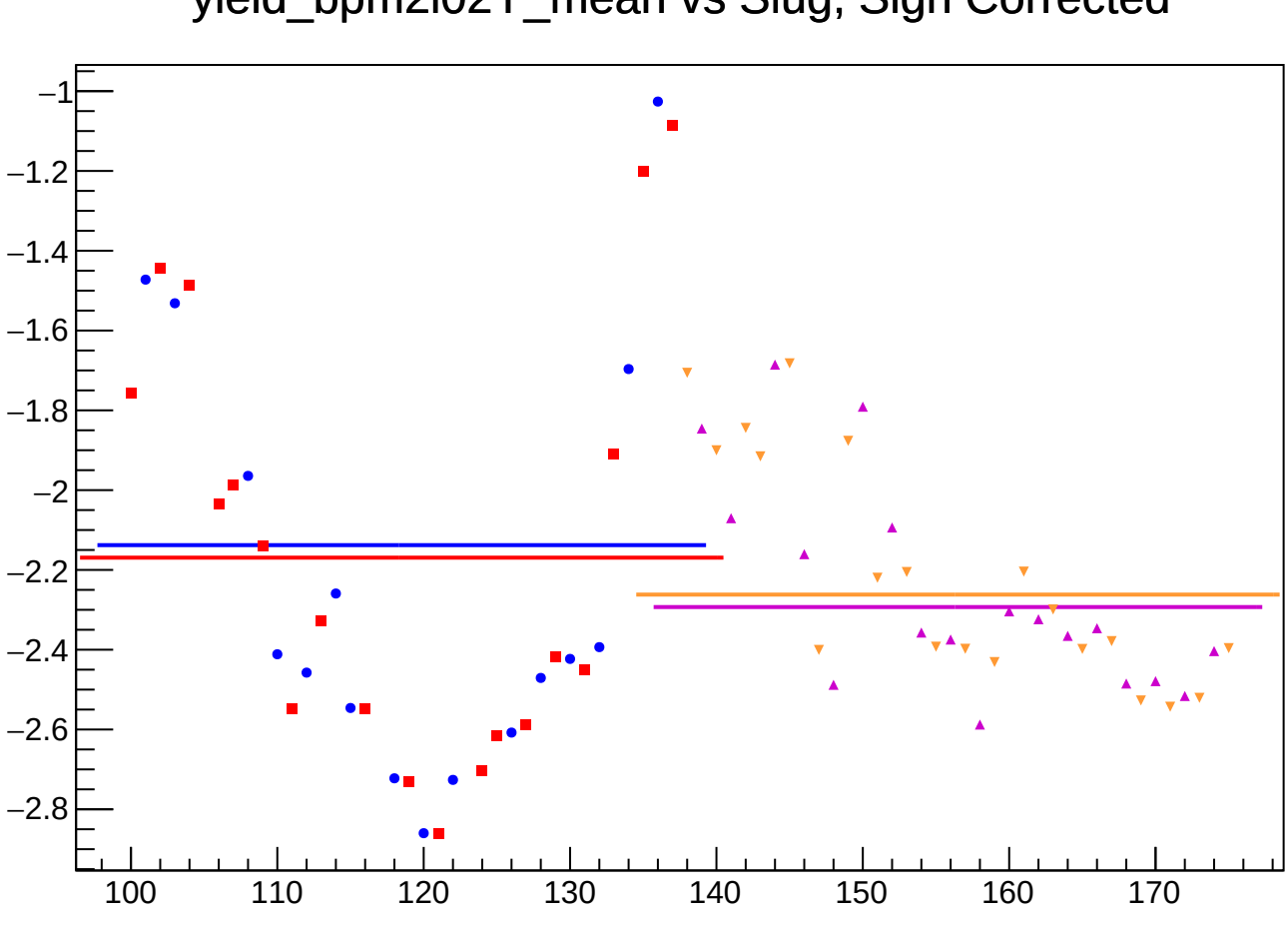
Left: 0.007+/-0.000 χ^2/NDF: 2128408.1/37

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

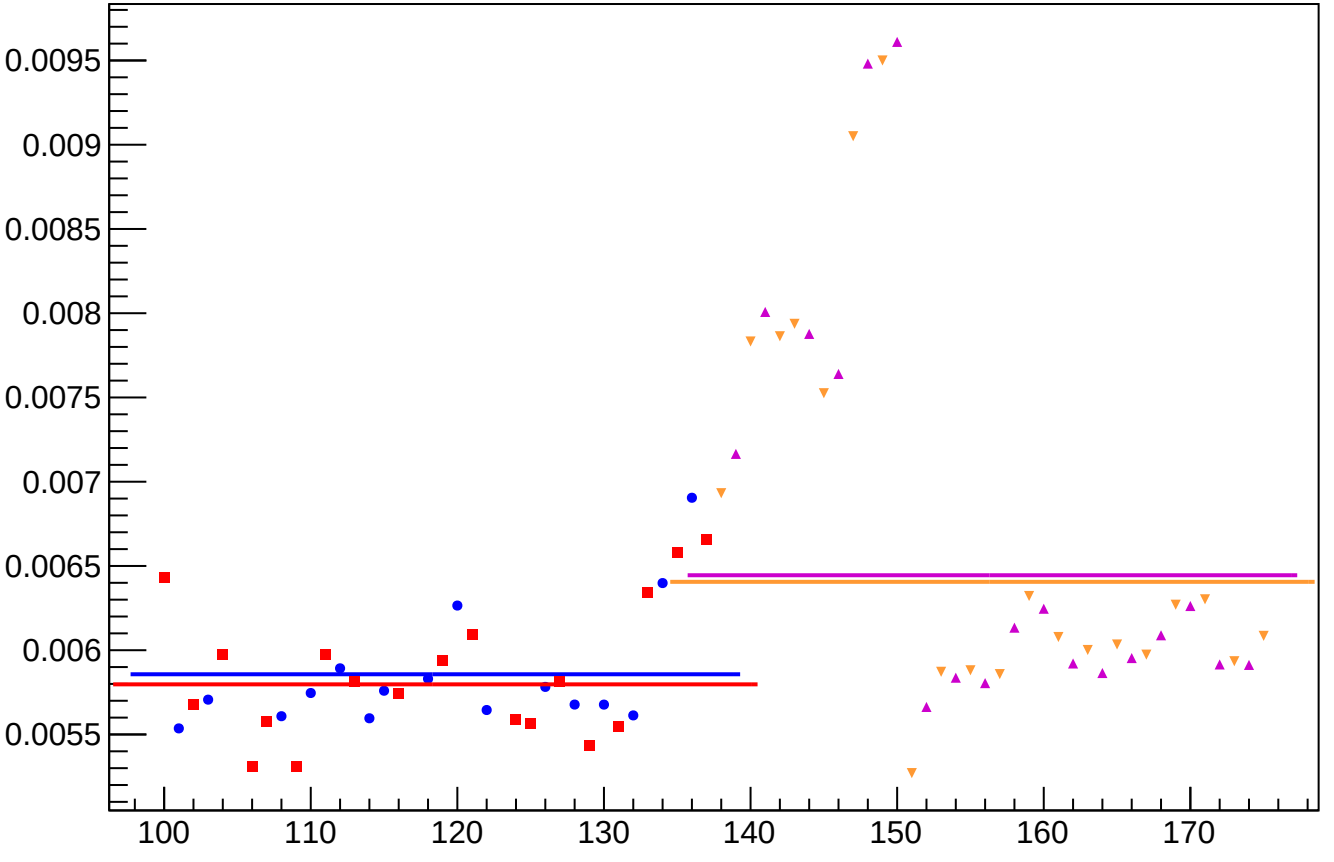
In: 0.007+/-0.000 χ^2/NDF:1550933.2/33

Out: 0.007+/-0.000 χ^2/NDF:1671250.0/38

All: 0.007+/-0.000 χ^2/NDF: 3236747.6/72


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
170
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.262+/-0.000 χ²/NDF:23199974727.7/19
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.293+/-0.000 χ²/NDF:18929672342.4/17
Left: -2.277+/-0.000 χ²/NDF: 42305975728.9/37
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.235+/-0.000 χ²/NDF:87748927819.7/33
Out: -2.228+/-0.000 χ²/NDF:81806163806.7/38
All: -2.231+/-0.000 χ²/NDF: 169570324743.4

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:668919.8/19

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:696520.8/17

Left: 0.006+/-0.000 χ^2/NDF: 1365994.5/37

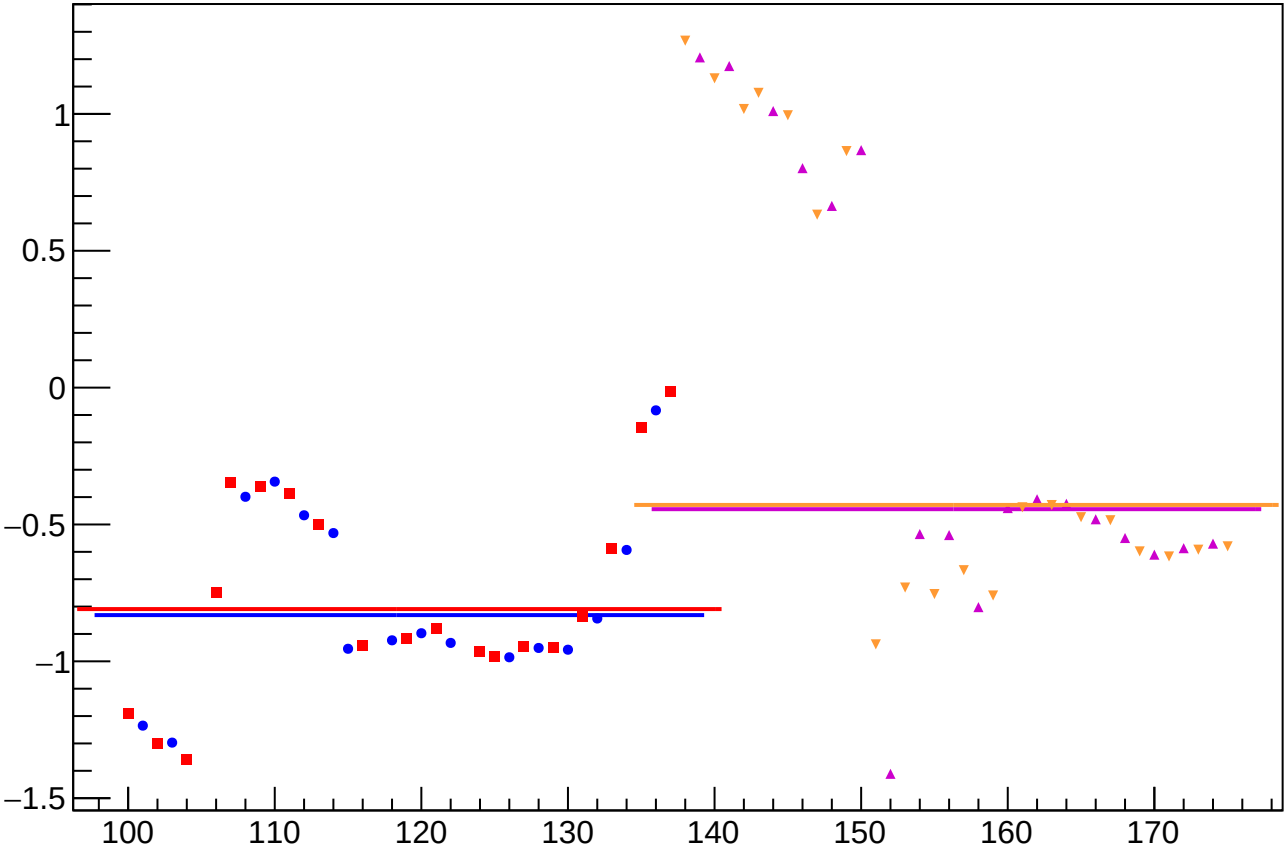
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:848894.9/33

Out: 0.006+/-0.000 χ^2/NDF:828664.1/38

All: 0.006+/-0.000 χ^2/NDF: 1678676.3/72

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.429+/-0.000 χ^2/NDF:80962341738.7/19

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.444+/-0.000 χ^2/NDF:89583715677.6/17

Left: -0.436+/-0.000 χ^2/NDF: 170578366020.1/37

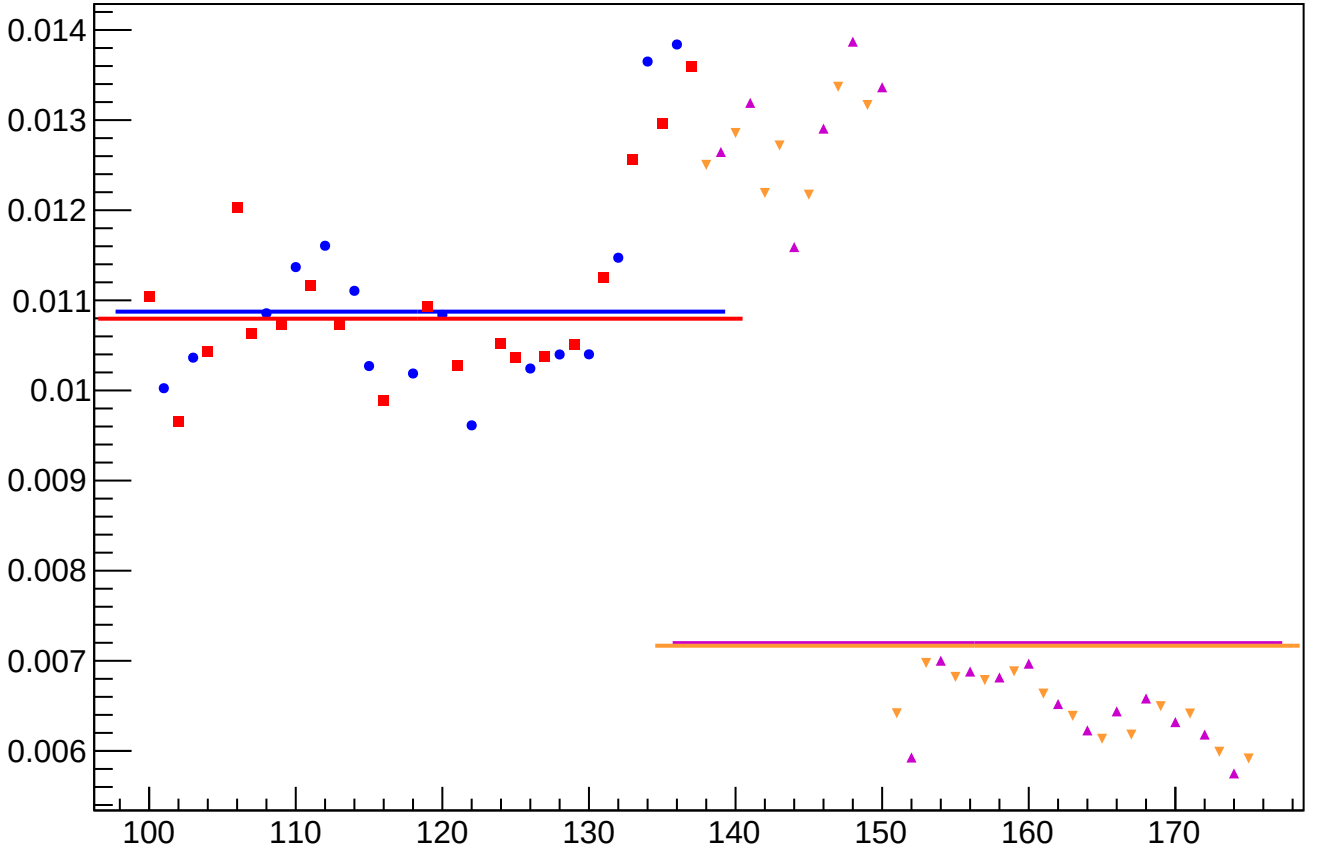
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.516+/-0.000 χ^2/NDF:103942401481.1/33

Out: -0.498+/-0.000 χ^2/NDF:96454386726.9/38

All: -0.507+/-0.000 χ^2/NDF: 200453950769.5

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2323112.1/19

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2356553.7/17

Left: 0.007+/-0.000 χ^2/NDF: 4679888.6/37

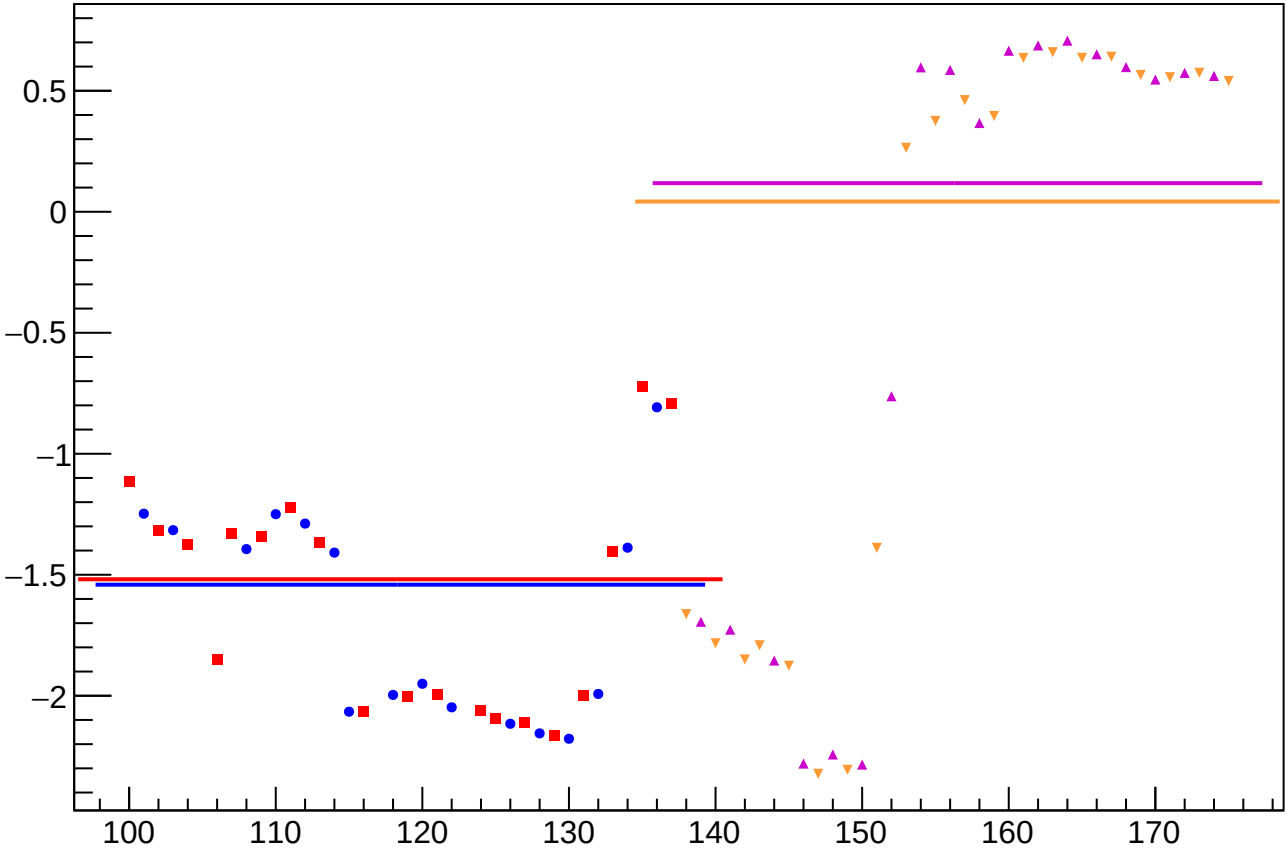
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3823630.0/33

Out: 0.008+/-0.000 χ^2/NDF:3758650.4/38

All: 0.008+/-0.000 χ^2/NDF: 7583322.3/72

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.042+/-0.000 χ^2/NDF:2247324645944.1/19

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.118+/-0.000 χ^2/NDF:2012396609627.0/17

Left: 0.079+/-0.000 χ^2/NDF: 4266334611156.2/37

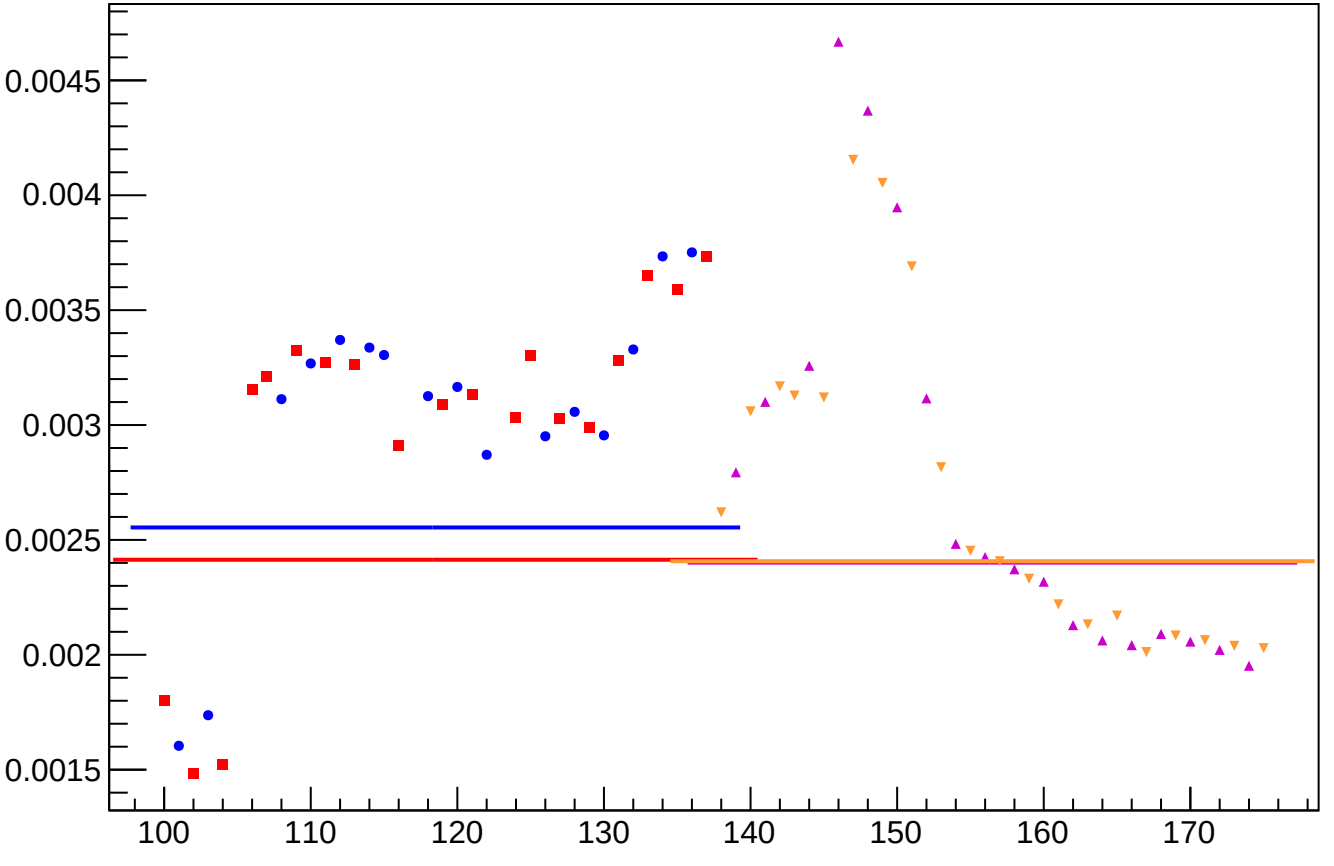
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.373+/-0.000 χ^2/NDF:3974358746876.4/33

Out: -0.426+/-0.000 χ^2/NDF:4126708367662.8/38

All: -0.401+/-0.000 χ^2/NDF: 8105615526712

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195723.6/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1379432.7/17

Left: 0.002+/-0.000 χ^2/NDF: 2575244.9/37

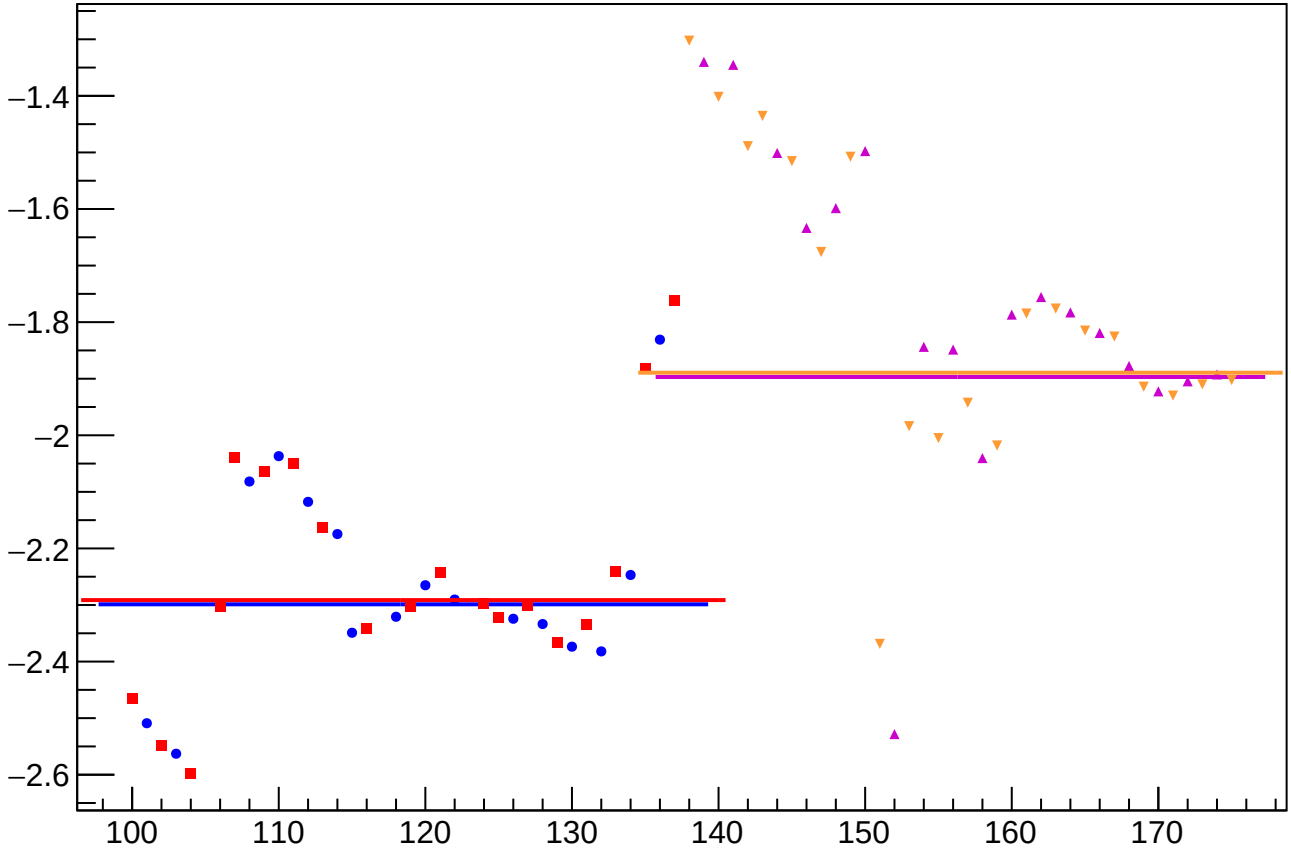
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.002+/-0.000 χ^2/NDF:2582526.4/33

Out: 0.002+/-0.000 χ^2/NDF:2742613.8/38

All: 0.002+/-0.000 χ^2/NDF: 5329650.3/72

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.889+/-0.000 χ^2/NDF:27423316264.7/19

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.897+/-0.000 χ^2/NDF:43347536440.0/17

Left: -1.893+/-0.000 χ^2/NDF: 70792005526.3/37

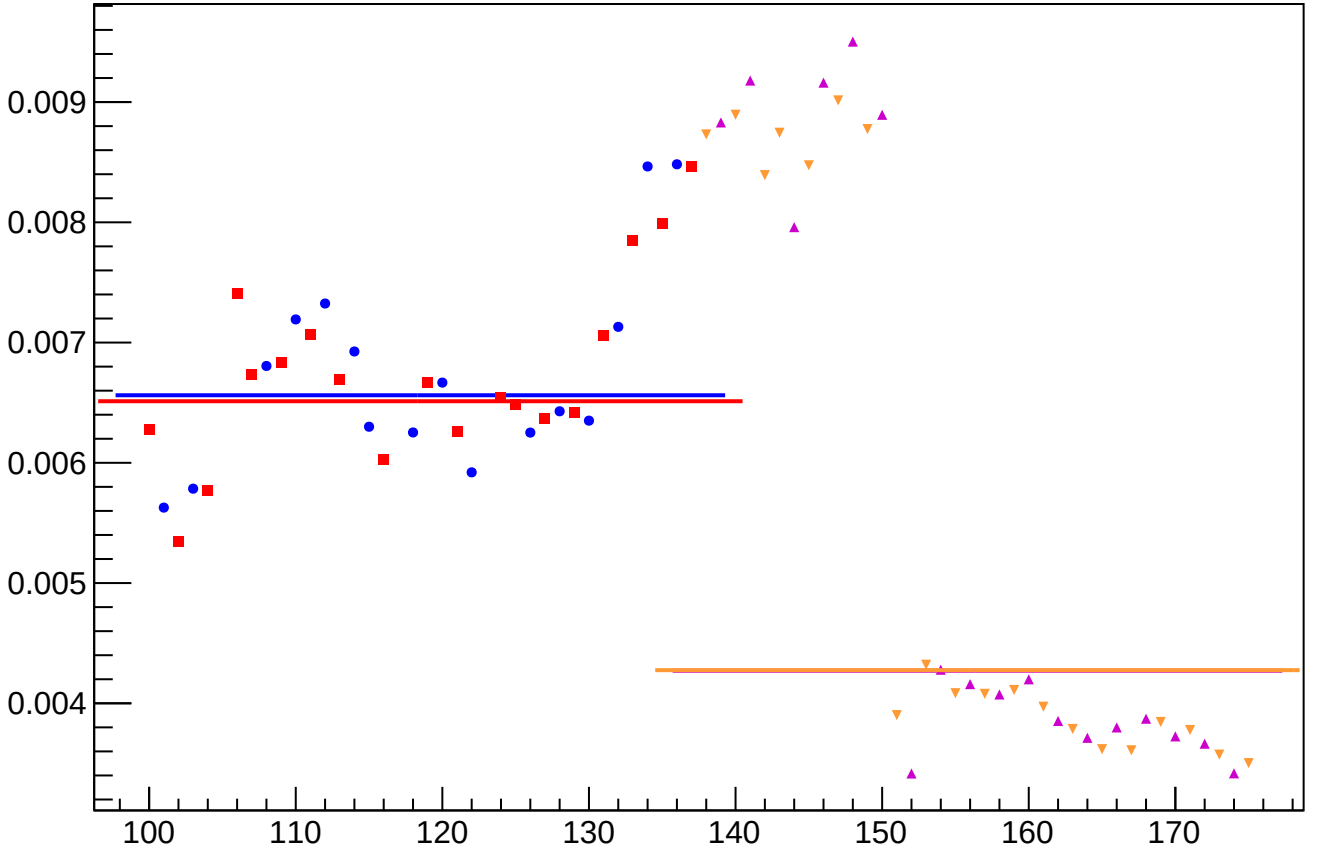
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -1.972+/-0.000 χ^2/NDF:70597741382.9/33

Out: -1.962+/-0.000 χ^2/NDF:56387611638.8/38

All: -1.967+/-0.000 χ^2/NDF: 127024001035.5

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3020728.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3079222.6/17

Left: 0.004+/-0.000 χ^2/NDF: 6099966.5/37

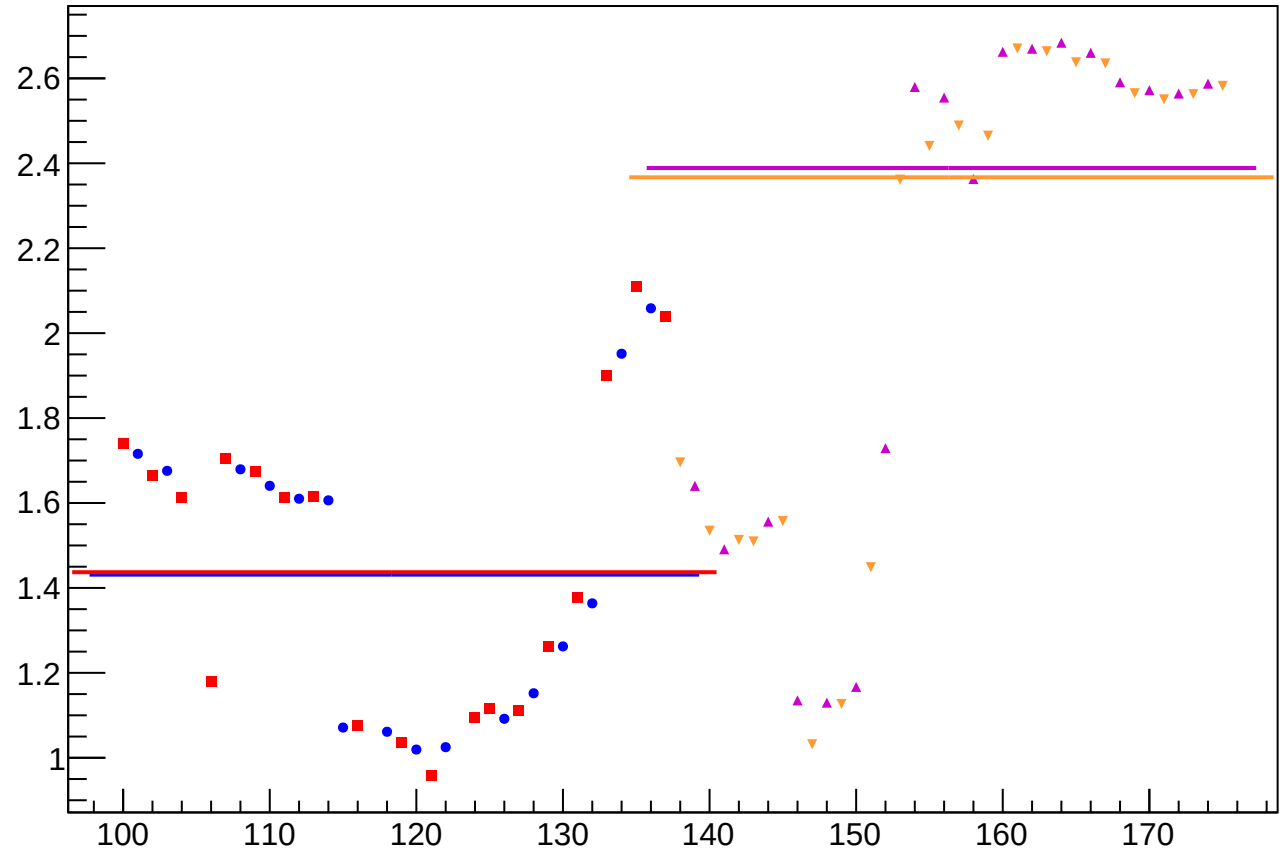
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4674344.4/33

Out: 0.005+/-0.000 χ^2/NDF:4576071.5/38

All: 0.005+/-0.000 χ^2/NDF: 9250617.7/72

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.367+/-0.000 χ^2/NDF:225243435694.4/19

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.389+/-0.000 χ^2/NDF:214961474843.1/17

Left: 2.378+/-0.000 χ^2/NDF: 440502825609.0/37

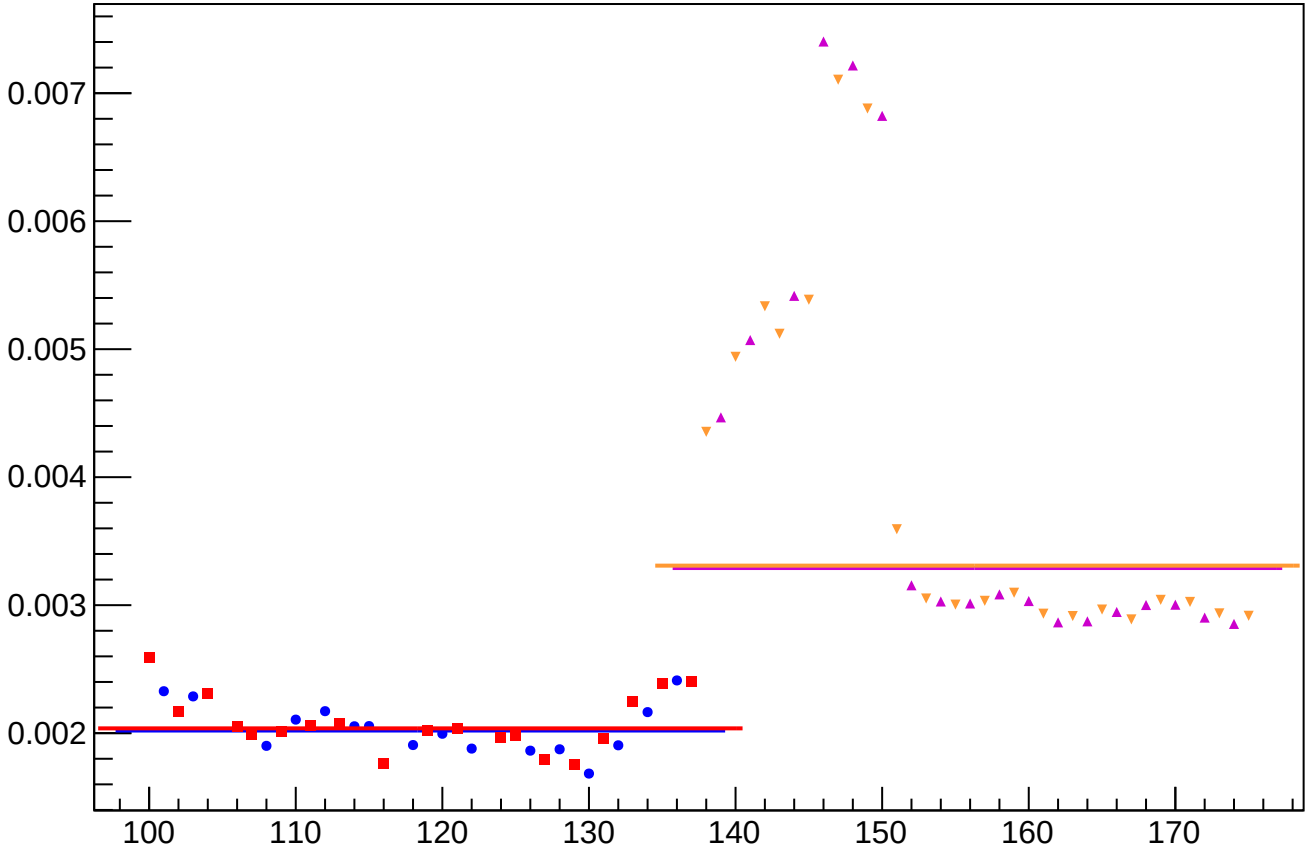
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.837+/-0.000 χ^2/NDF:1036410797630.7/33

Out: 1.846+/-0.000 χ^2/NDF:1027708240451.5/38

All: 1.842+/-0.000 χ^2/NDF: 2064222920969.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1767442.5/19

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2012956.0/17

Left: 0.003+/-0.000 χ^2/NDF: 3780832.1/37

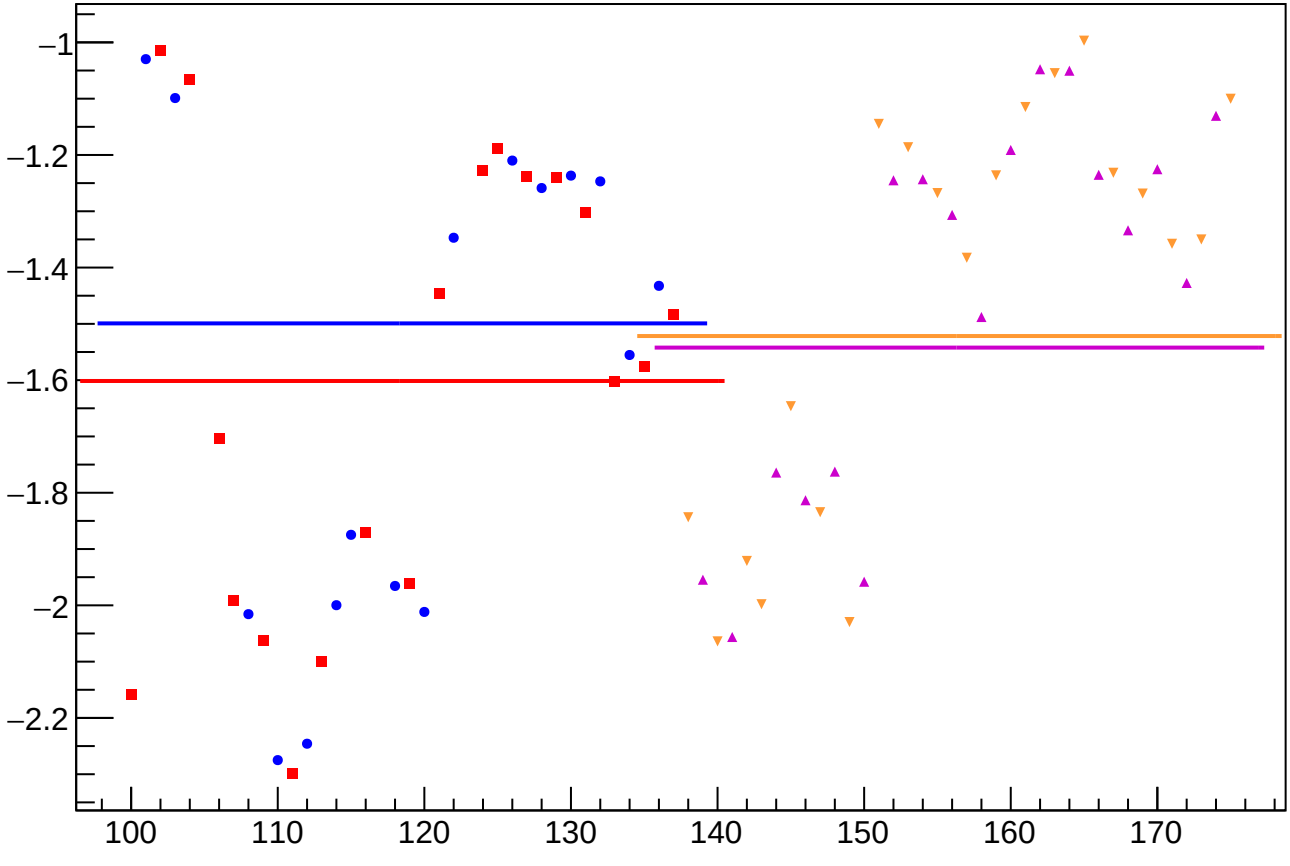
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4390670.6/33

Out: 0.003+/-0.000 χ^2/NDF:4200535.2/38

All: 0.003+/-0.000 χ^2/NDF: 8595246.8/72

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.522+/-0.000 χ^2/NDF:44656662610.3/19

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.542+/-0.000 χ^2/NDF:33946044169.1/17

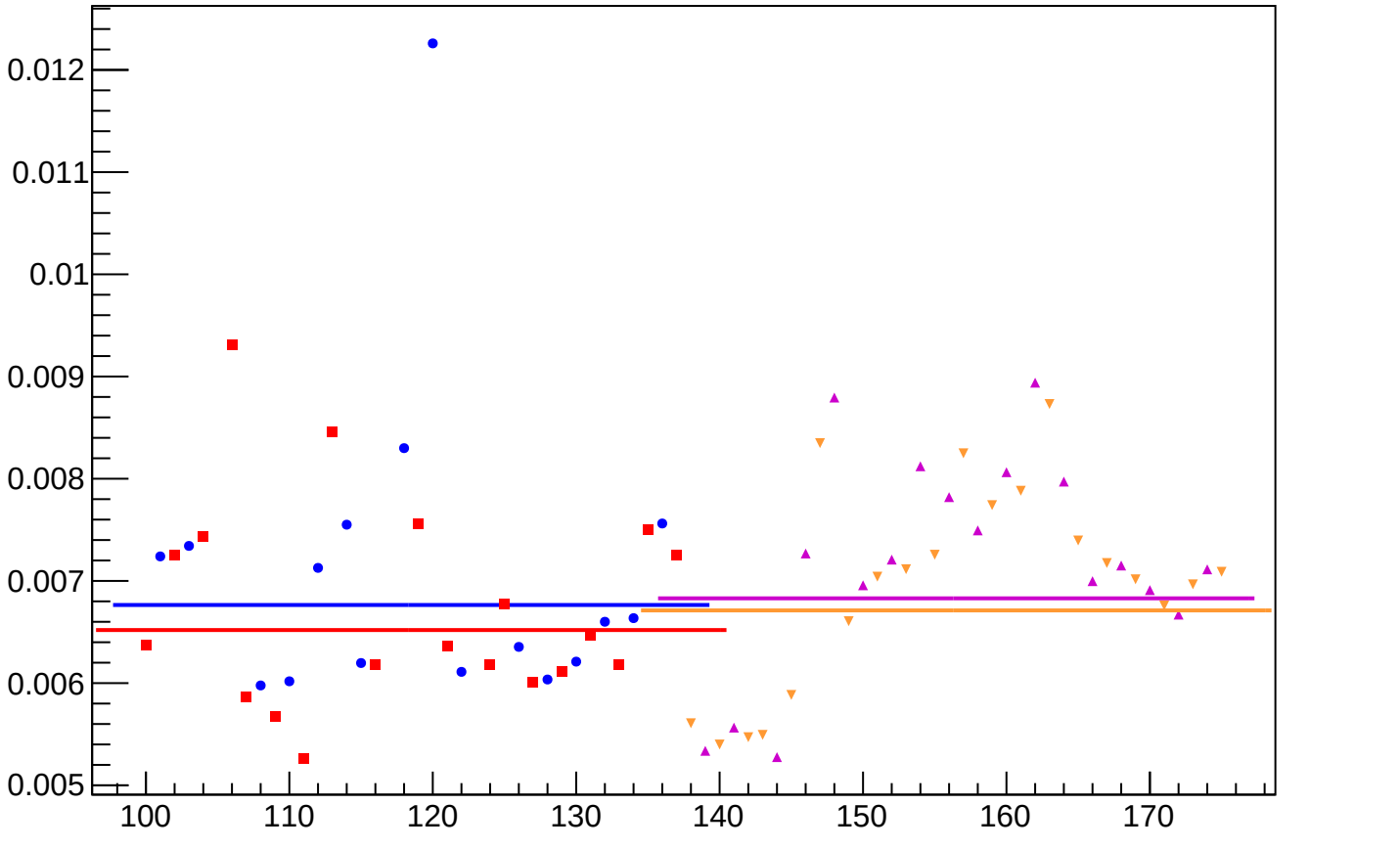
Left: -1.531+/-0.000 χ^2/NDF: 78667986196.3/37

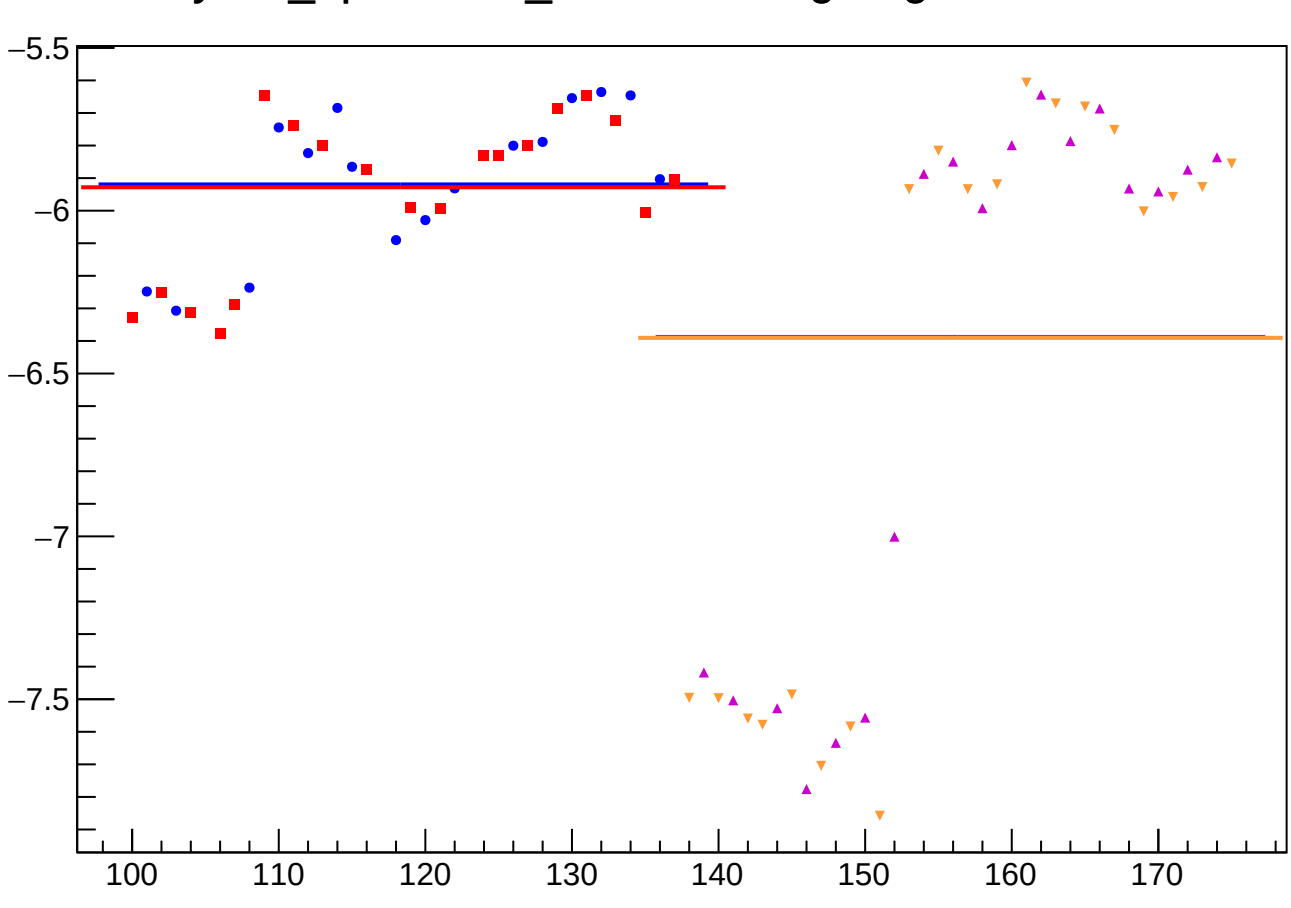
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

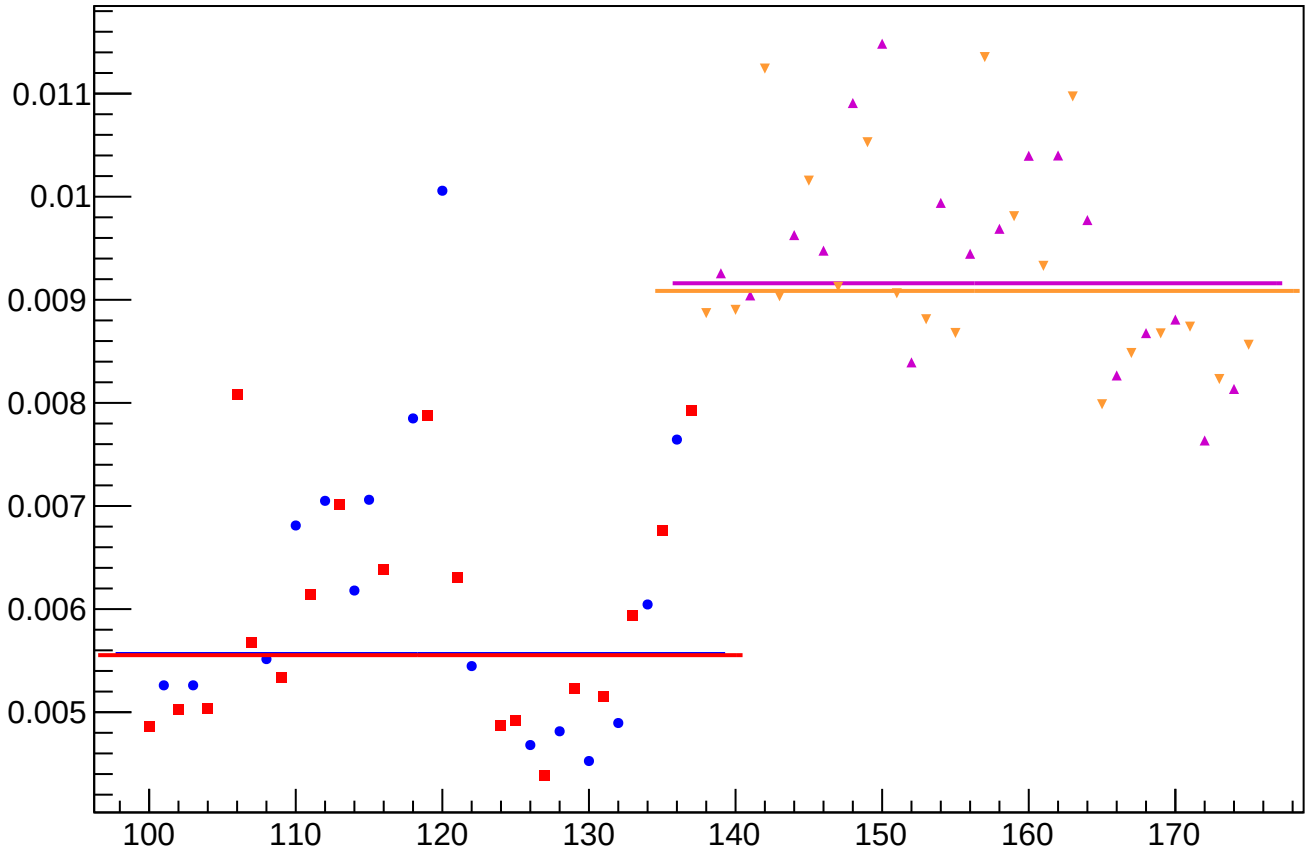
In: -1.528+/-0.000 χ^2/NDF:57053236012.1/33

Out: -1.548+/-0.000 χ^2/NDF:73673170488.3/38

All: -1.539+/-0.000 χ^2/NDF: 130817905111.7


yield_bpm0l01X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.000 χ²/NDF: 238566.1/15
Left Out: 0.007+/-0.000 χ²/NDF:606183.2/19
Right Out: 0.007+/-0.000 χ²/NDF: 245428.1/18
Left In: 0.007+/-0.000 χ²/NDF:682256.7/17
Left: 0.007+/-0.000 χ²/NDF: 1292760.0/37
Right: 0.007+/-0.000 χ²/NDF: 493094.9/34
In: 0.007+/-0.000 χ²/NDF:921631.2/33
Out: 0.007+/-0.000 χ²/NDF:859621.2/38
All: 0.007+/-0.000 χ²/NDF: 1793142.1/72


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
110
120
130
140
150
160
170
Right In: -5.919+/-0.000 χ²/NDF: 11742457053.3/15
Left Out: -6.390+/-0.000 χ²/NDF:106871352208.6/19
Right Out: -5.928+/-0.000 χ²/NDF: 12641528579.2/18
Left In: -6.388+/-0.000 χ²/NDF:87348461577.1/17
Left: -6.389+/-0.000 χ²/NDF: 194220421207.1/37
Right: -5.924+/-0.000 χ²/NDF: 24391751979.3/34
In: -6.118+/-0.000 χ²/NDF:117470661292.4/33
Out: -6.126+/-0.000 χ²/NDF:138759993567.0/38
All: -6.122+/-0.000 χ²/NDF: 256242695382.3



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:226305.1/19

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:273788.1/17

Left: 0.009+/-0.000 χ^2/NDF: 500927.5/37

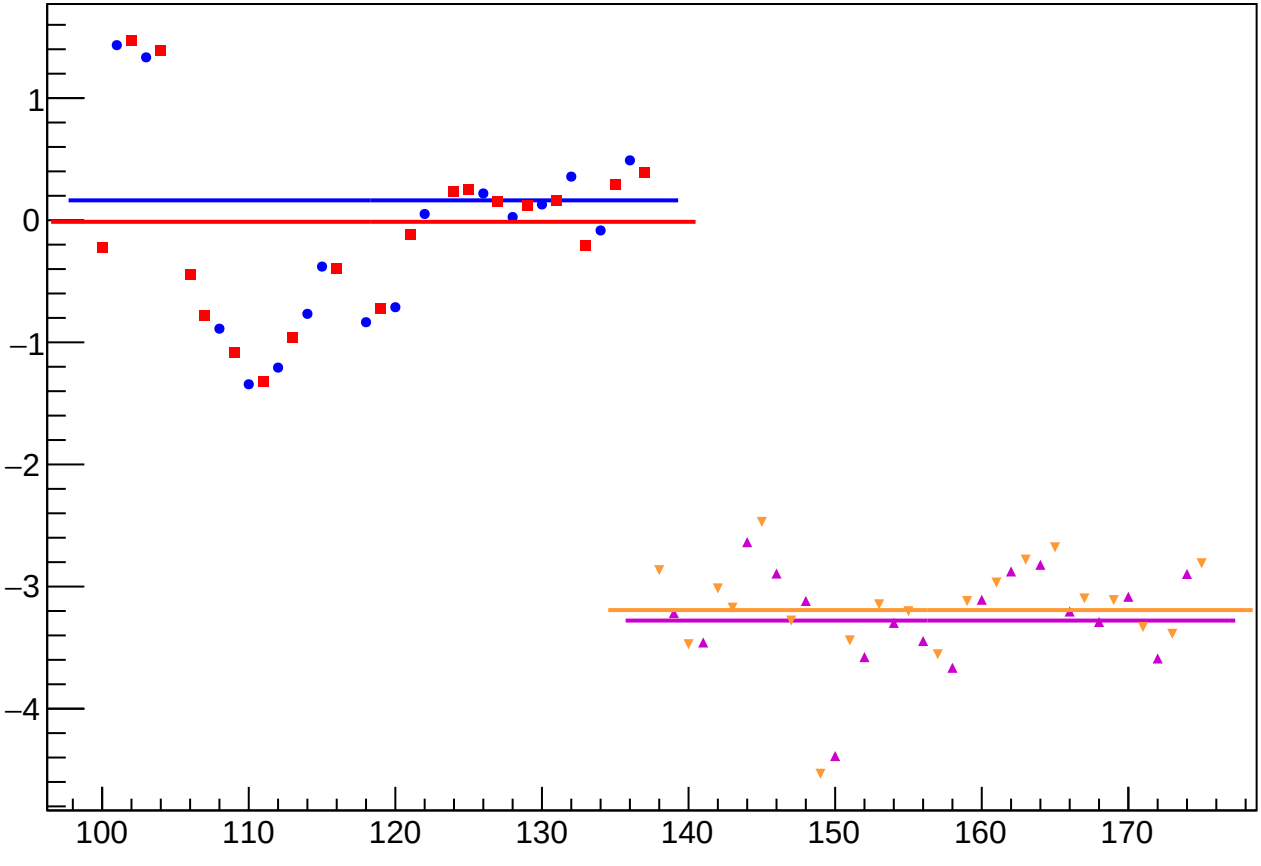
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2937980.2/33

Out: 0.007+/-0.000 χ^2/NDF:2838896.6/38

All: 0.007+/-0.000 χ^2/NDF: 5777057.8/72

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.193+/-0.000 χ^2/NDF:8733970569.6/19

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.278+/-0.000 χ^2/NDF:7195665519.3/17

Left: -3.234+/-0.000 χ^2/NDF: 16111434779.1/37

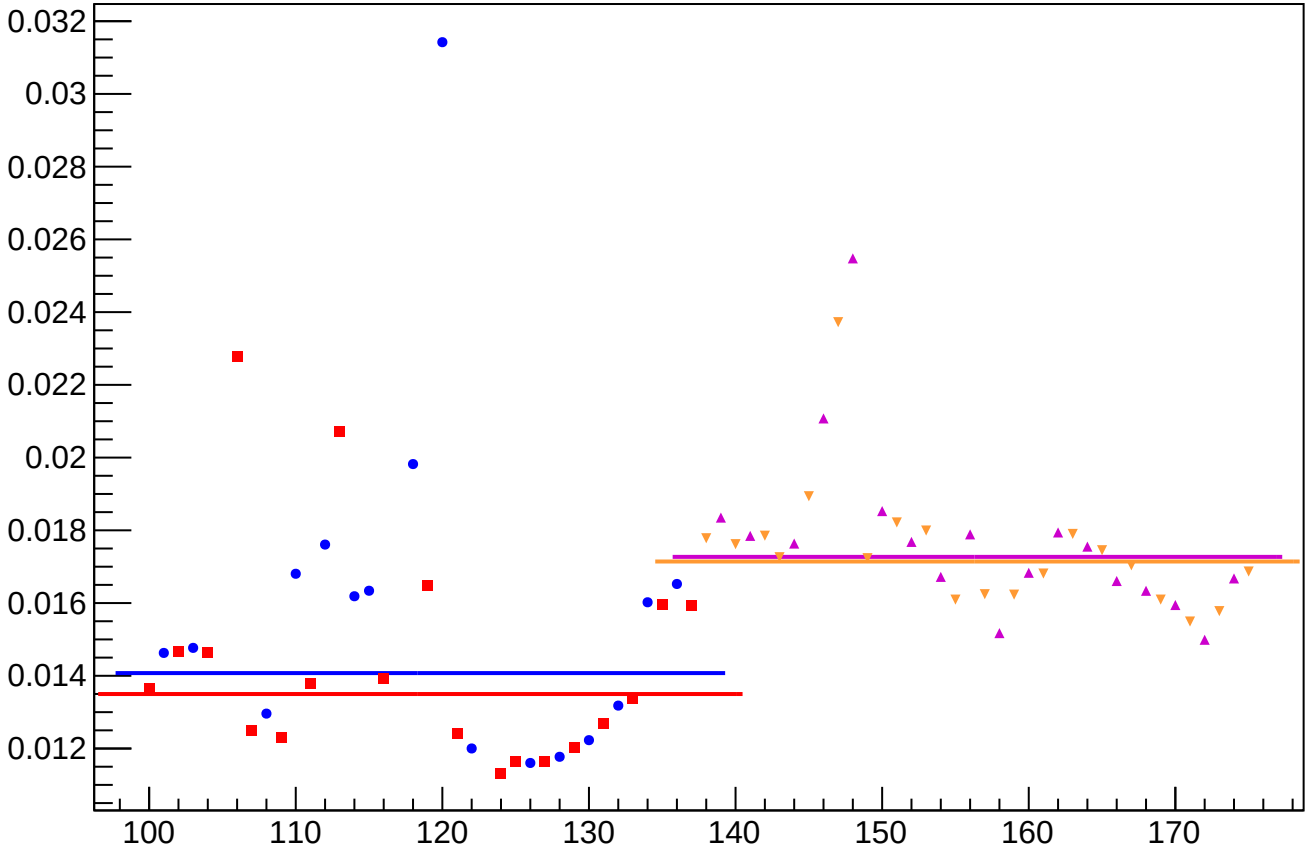
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.895+/-0.000 χ^2/NDF:250511755719.9/33

Out: -1.859+/-0.000 χ^2/NDF:249473509895.0/38

All: -1.876+/-0.000 χ^2/NDF: 500038124664.8

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:200085.7/19

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:322211.2/17

Left: 0.017+/-0.000 χ^2/NDF: 523097.3/37

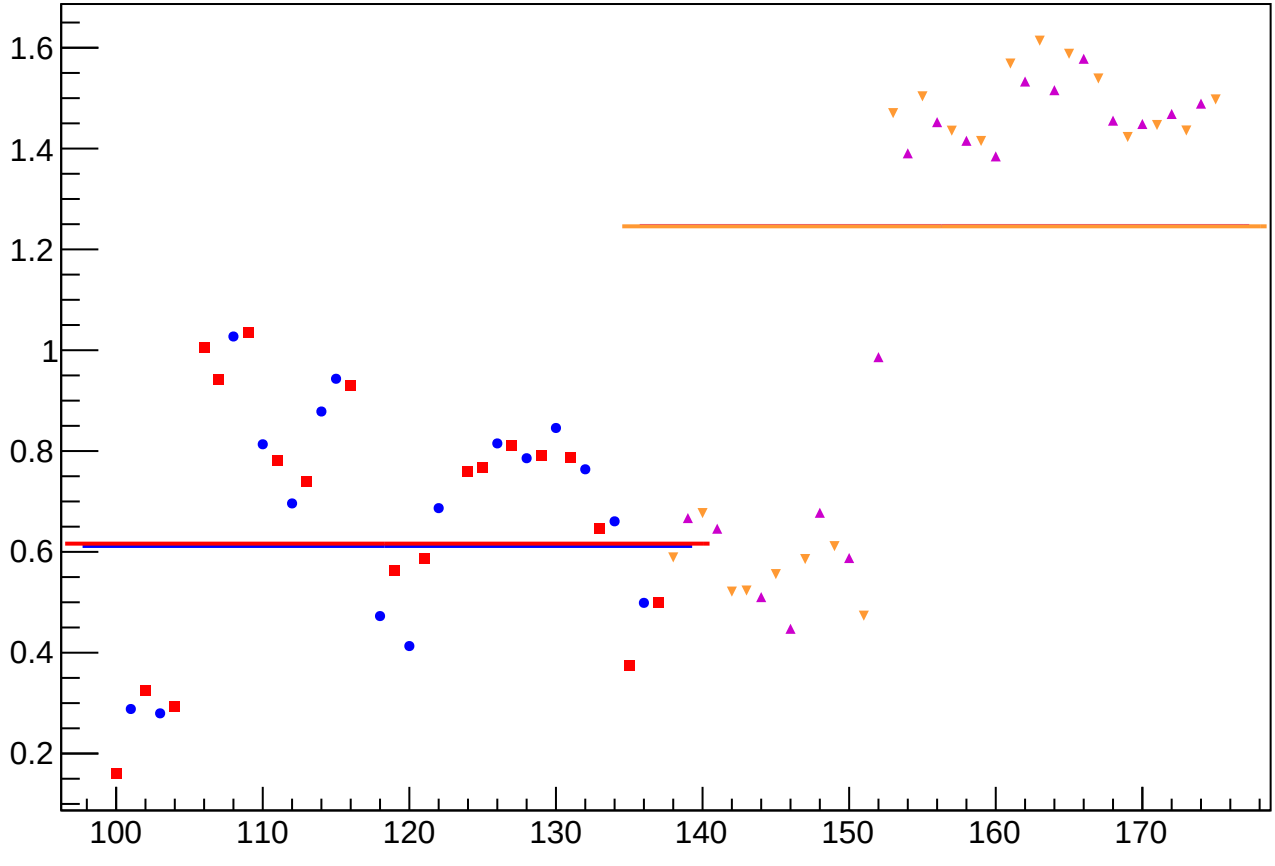
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1176419.9/33

Out: 0.016+/-0.000 χ^2/NDF:1088301.1/38

All: 0.016+/-0.000 χ^2/NDF: 2276207.7/72

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.246+/-0.000 χ^2/NDF:44972590970.6/19

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.246+/-0.000 χ^2/NDF:36899880643.2/17

Left: 1.246+/-0.000 χ^2/NDF: 81872541307.9/37

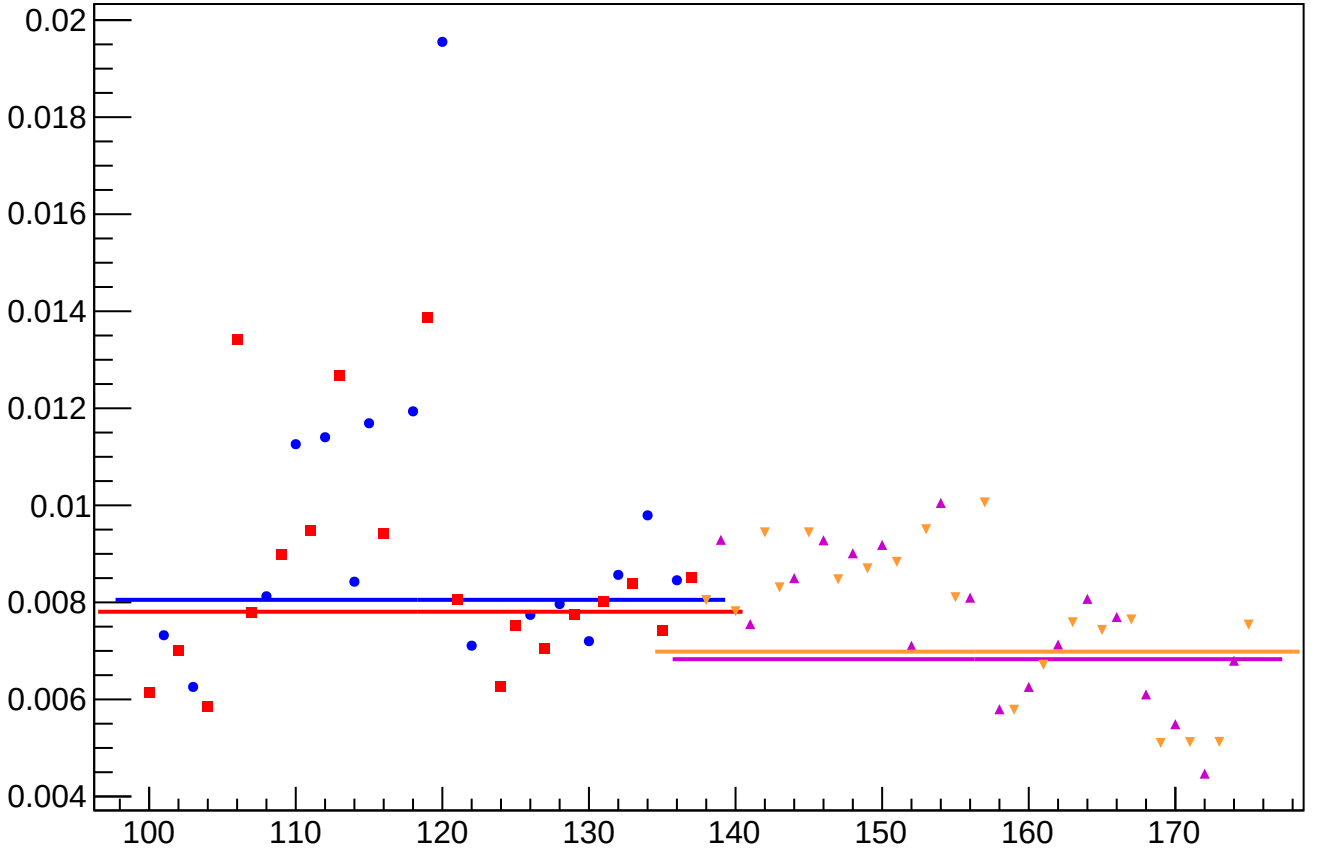
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.085+/-0.000 χ^2/NDF:70928208791.7/33

Out: 1.074+/-0.000 χ^2/NDF:81706607733.2/38

All: 1.080+/-0.000 χ^2/NDF: 152658123421.3

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1397656.4/19

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1362862.5/17

Left: 0.007+/-0.000 χ^2/NDF: 2767268.3/37

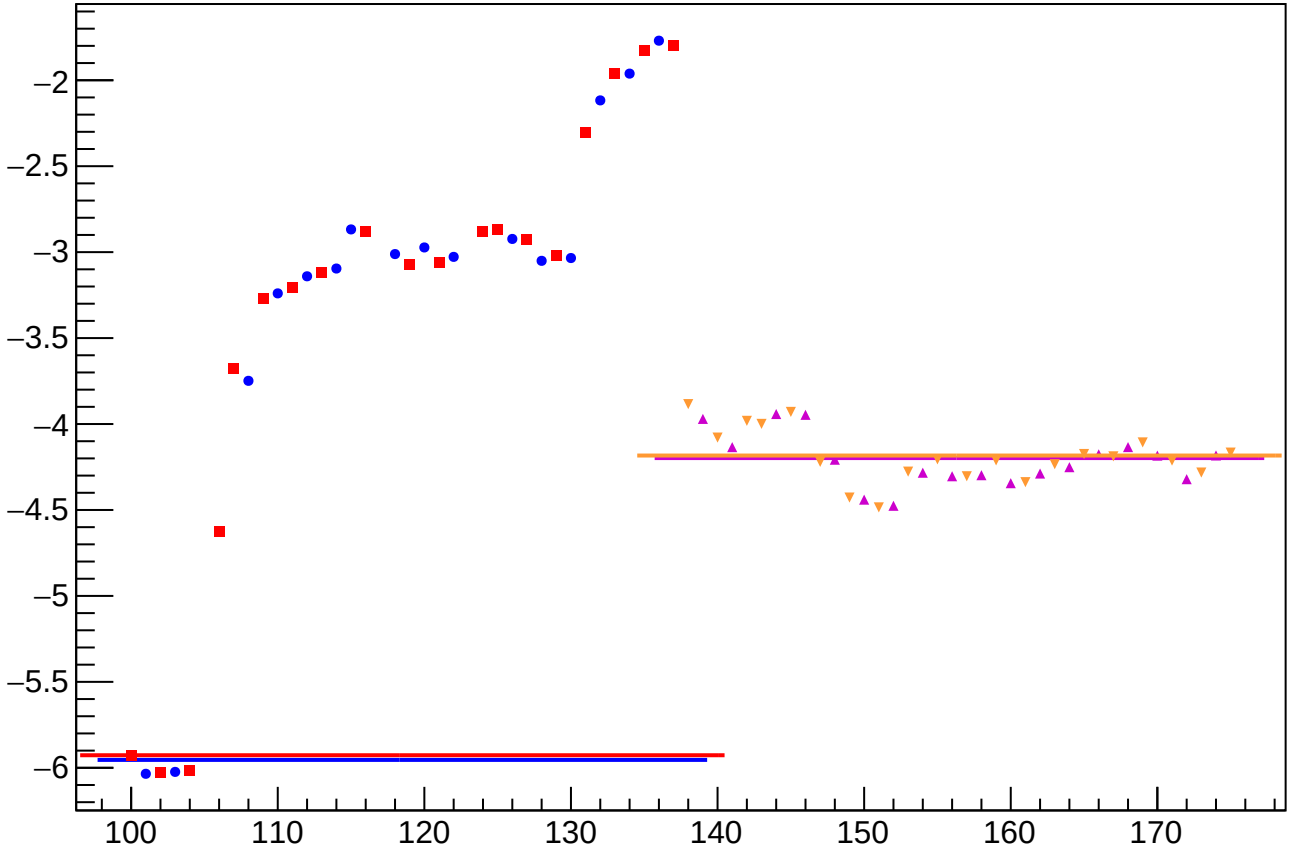
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2172147.8/33

Out: 0.007+/-0.000 χ^2/NDF:2088305.5/38

All: 0.007+/-0.000 χ^2/NDF: 4262253.4/72

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:53866422.6/19

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.198+/-0.000 χ^2/NDF:41515018.8/17

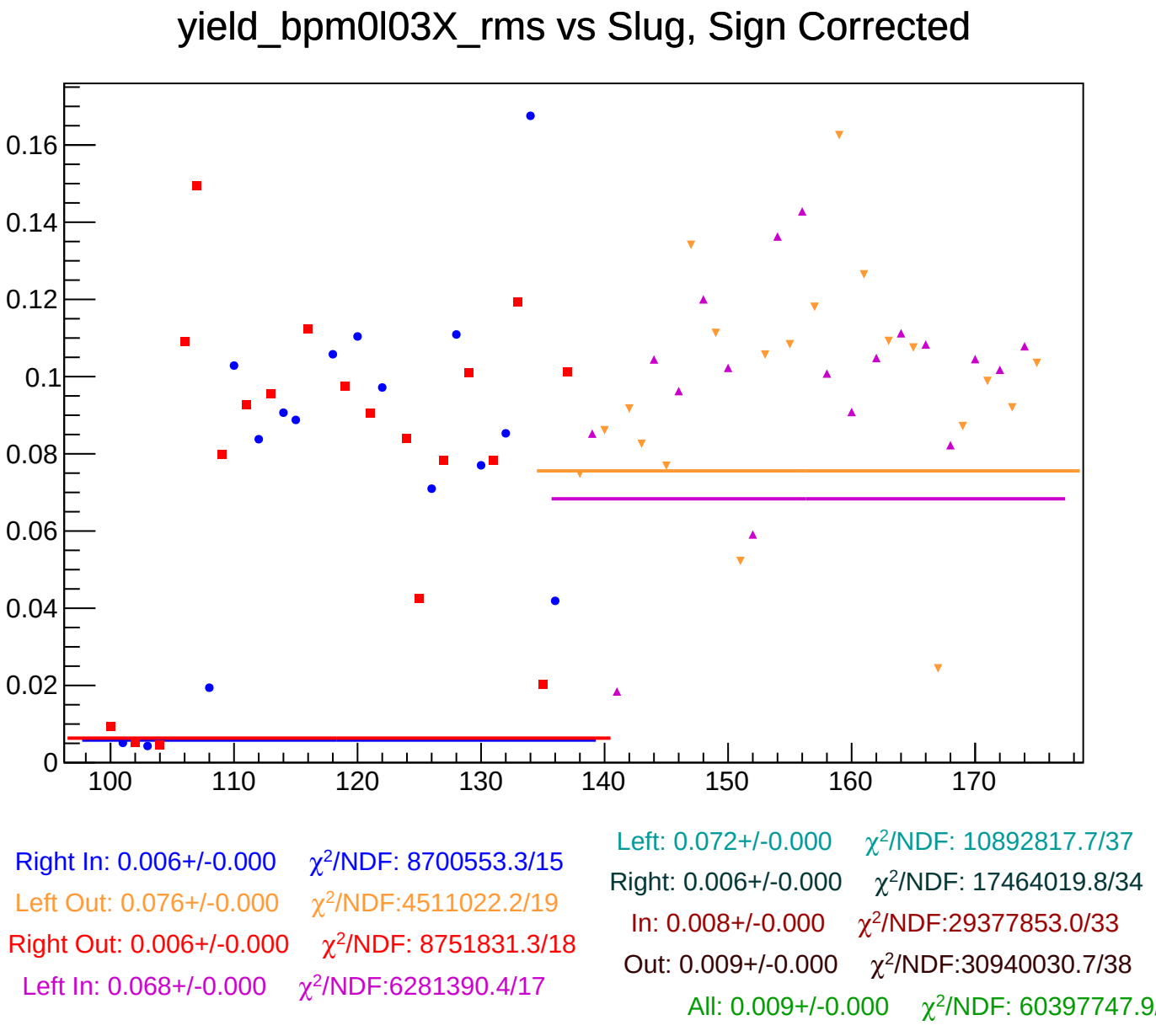
Left: -4.191+/-0.000 χ^2/NDF: 95591227.1/37

Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

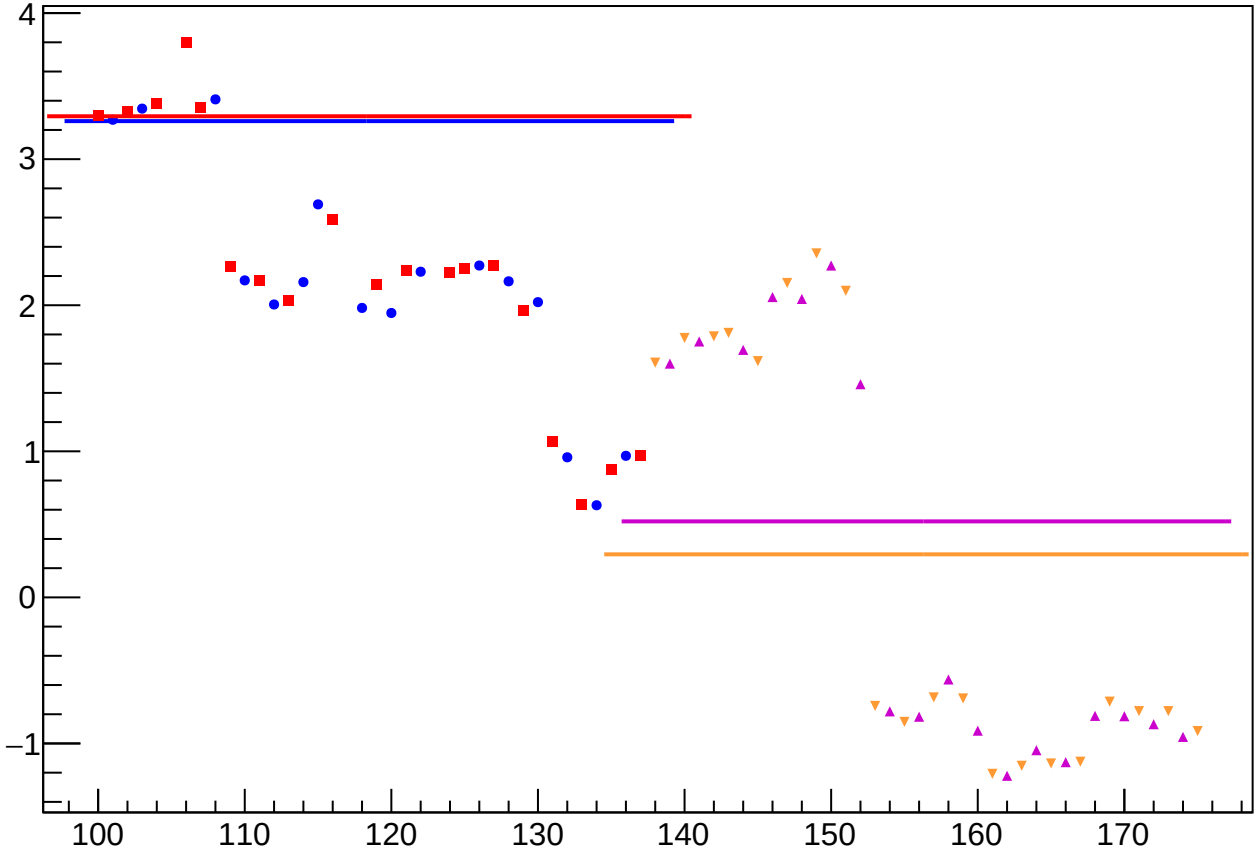
In: -5.891+/-0.000 χ^2/NDF:18822341287.5/33

Out: -5.851+/-0.000 χ^2/NDF:19582374662.7/38

All: -5.873+/-0.000 χ^2/NDF: 38444236303.6/


yield_bpm0l03X_rms vs Slug, Sign Corrected
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: 0.006+/-0.000 χ²/NDF: 8700553.3/15
Left Out: 0.076+/-0.000 χ²/NDF:4511022.2/19
Right Out: 0.006+/-0.000 χ²/NDF: 8751831.3/18
Left In: 0.068+/-0.000 χ²/NDF:6281390.4/17
Left: 0.072+/-0.000 χ²/NDF: 10892817.7/37
Right: 0.006+/-0.000 χ²/NDF: 17464019.8/34
In: 0.008+/-0.000 χ²/NDF:29377853.0/33
Out: 0.009+/-0.000 χ²/NDF:30940030.7/38
All: 0.009+/-0.000 χ²/NDF: 60397747.9/72

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.295+/-0.000 χ^2/NDF:3249780235.4/19

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.520+/-0.000 χ^2/NDF:2496618126.8/17

Left: 0.399+/-0.000 χ^2/NDF: 5784324337.5/37

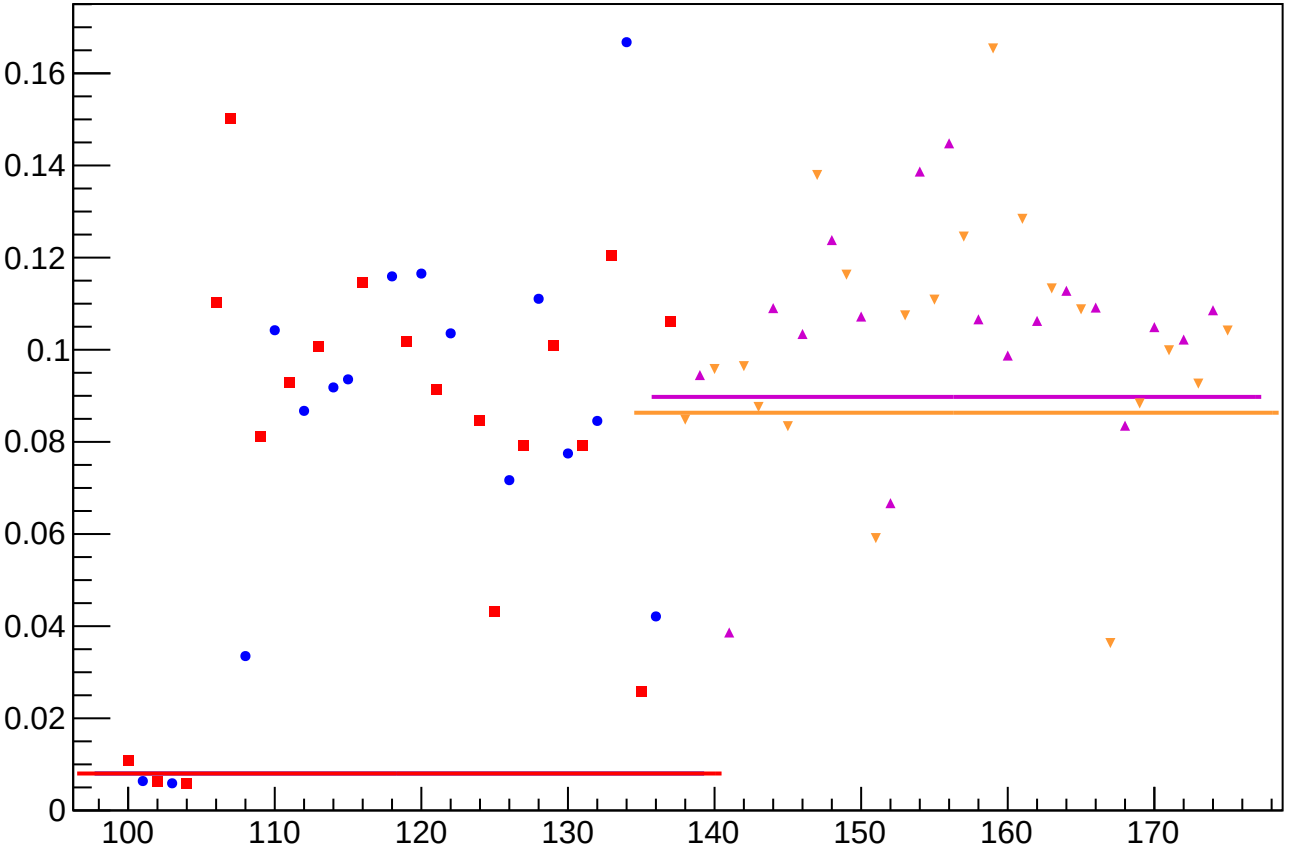
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.144+/-0.000 χ^2/NDF:15447848681.7/33

Out: 3.137+/-0.000 χ^2/NDF:20268337693.4/38

All: 3.140+/-0.000 χ^2/NDF: 35716943301.8/7

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:2840111.6/19

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2365118.1/17

Left: 0.088+/-0.000 χ^2/NDF: 5222839.8/37

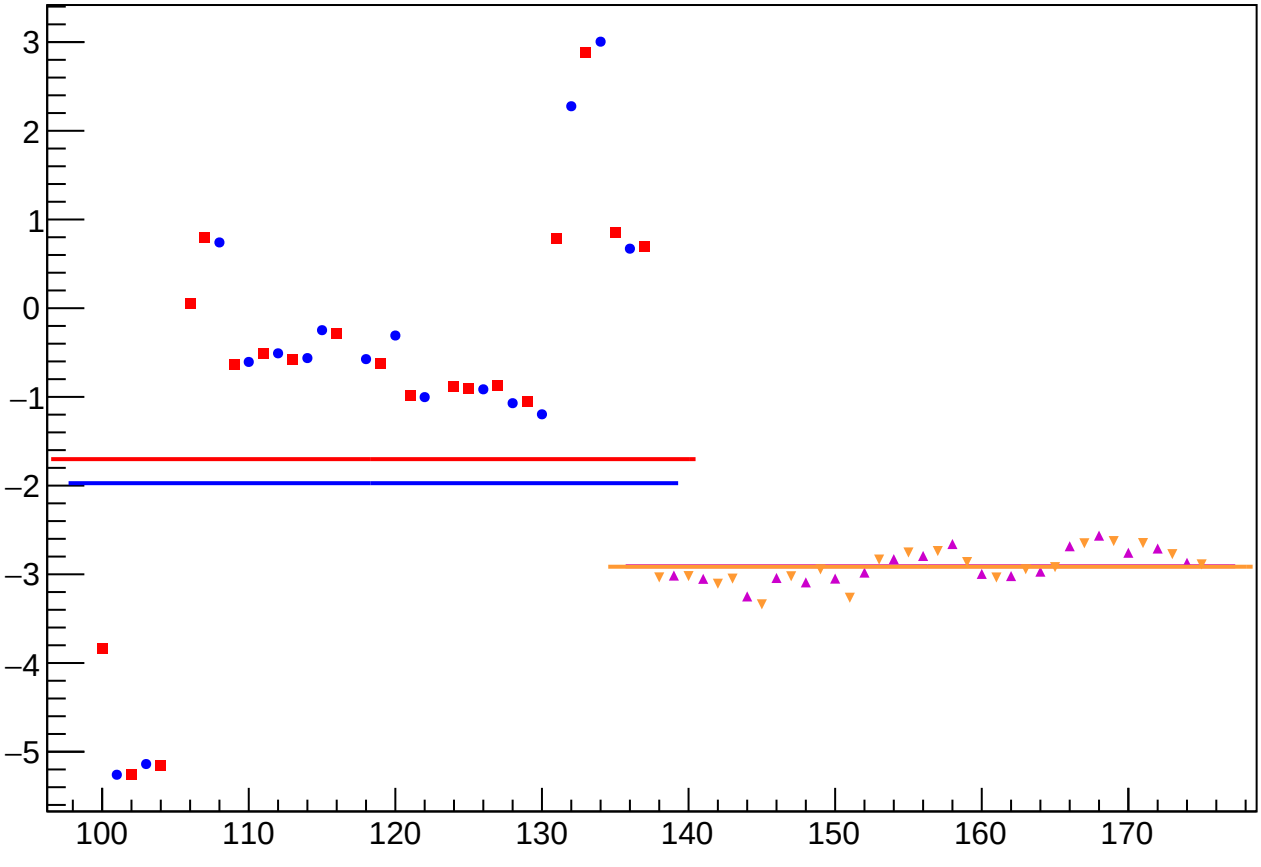
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.012+/-0.000 χ^2/NDF:28474898.6/33

Out: 0.012+/-0.000 χ^2/NDF:30167324.7/38

All: 0.012+/-0.000 χ^2/NDF: 58653914.8/72

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.914+/-0.000 χ^2/NDF:8845282002.4/19

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.909+/-0.000 χ^2/NDF:7199169642.6/17

Left: -2.912+/-0.000 χ^2/NDF: 16047746518.1/37

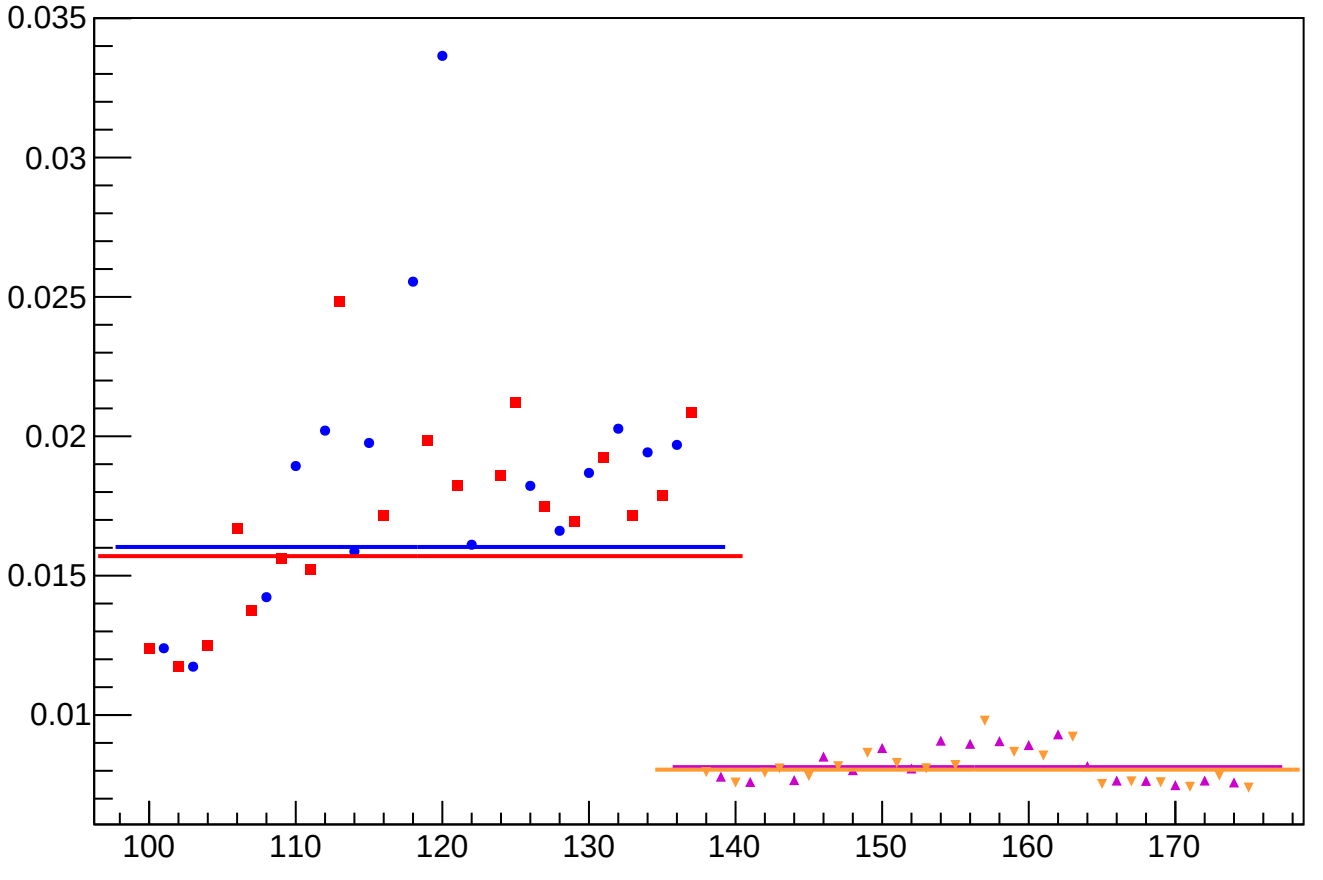
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.819+/-0.000 χ^2/NDF:187129921091.3/33

Out: -2.793+/-0.000 χ^2/NDF:211205533202.7/38

All: -2.806+/-0.000 χ^2/NDF: 398418045531.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:146583.1/19

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:155044.4/17

Left: 0.008+/-0.000 χ^2/NDF: 303429.6/37

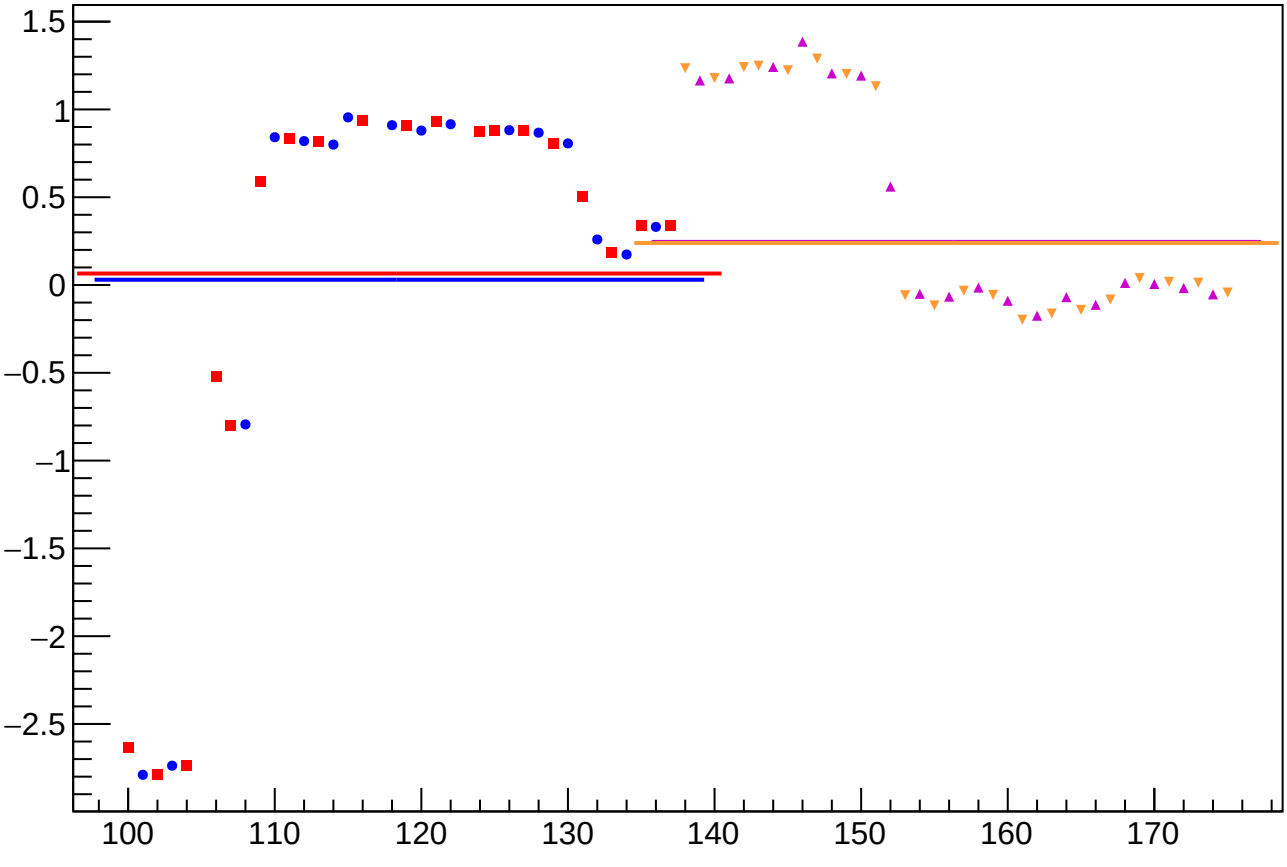
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3446376.2/33

Out: 0.009+/-0.000 χ^2/NDF:3379709.7/38

All: 0.009+/-0.000 χ^2/NDF: 6827772.5/72

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.239+/-0.000 χ^2/NDF:101416680012.7/19

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.245+/-0.000 χ^2/NDF:85002177144.5/17

Left: 0.242+/-0.000 χ^2/NDF: 186424830216.6/37

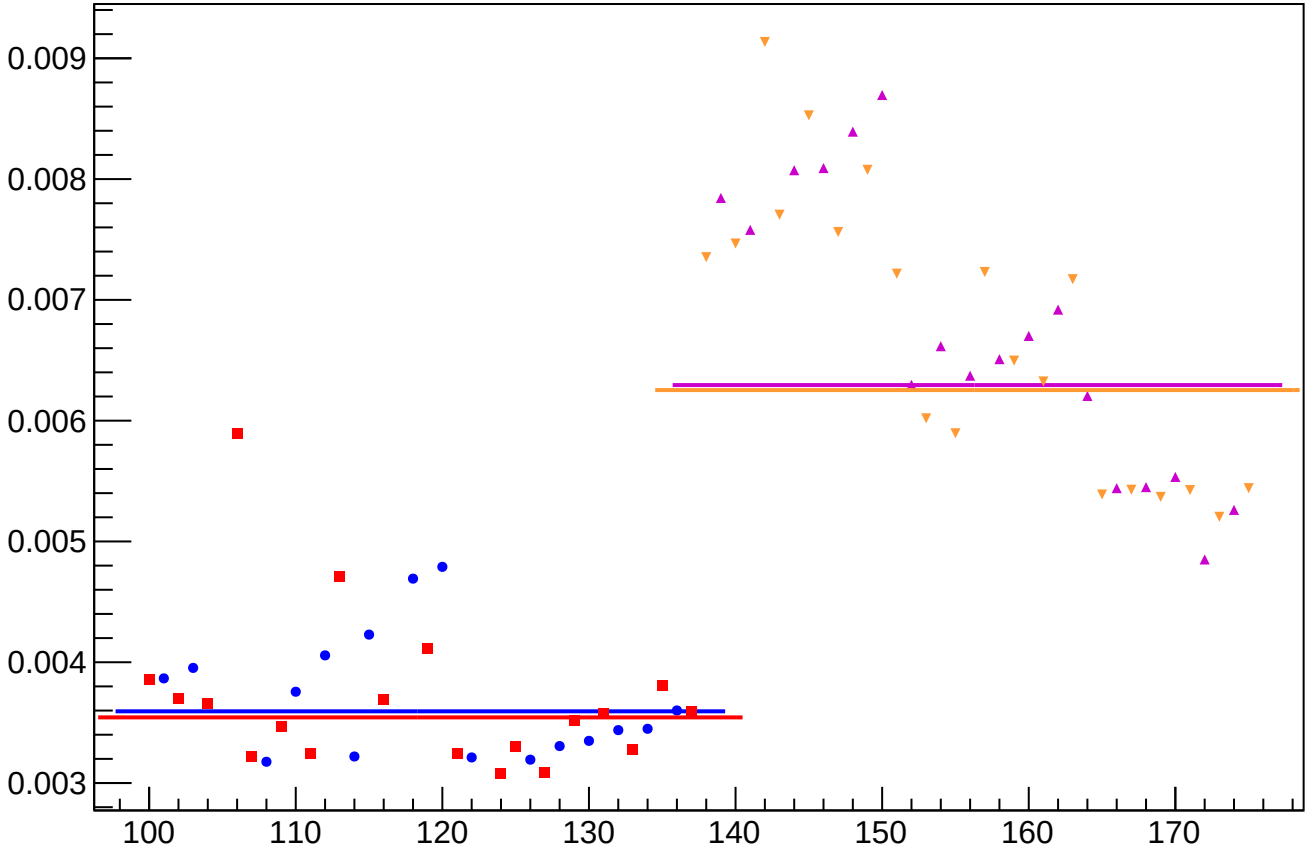
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.112+/-0.000 χ^2/NDF:945831810265.8/33

Out: 0.132+/-0.000 χ^2/NDF:1043353090842.5/38

All: 0.122+/-0.000 χ^2/NDF: 1989354234012.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:703401.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:757860.1/17

Left: 0.006+/-0.000 χ^2/NDF: 1461827.9/37

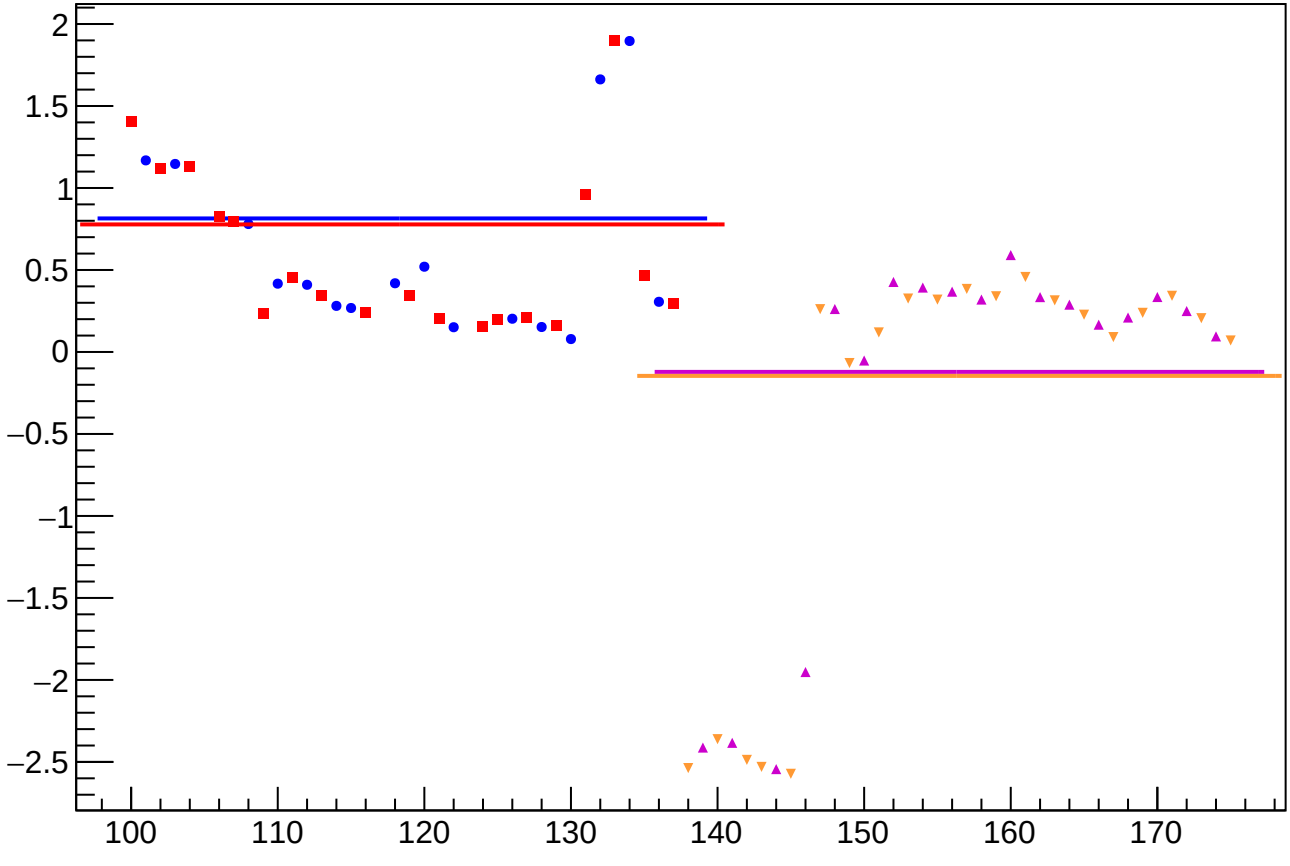
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3820819.0/33

Out: 0.005+/-0.000 χ^2/NDF:4055754.7/38

All: 0.005+/-0.000 χ^2/NDF: 7878206.6/72

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.146+/-0.000 χ^2/NDF:378724454691.7/19

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.122+/-0.000 χ^2/NDF:339336044900.4/17

Left: -0.134+/-0.000 χ^2/NDF: 718176420058.2/37

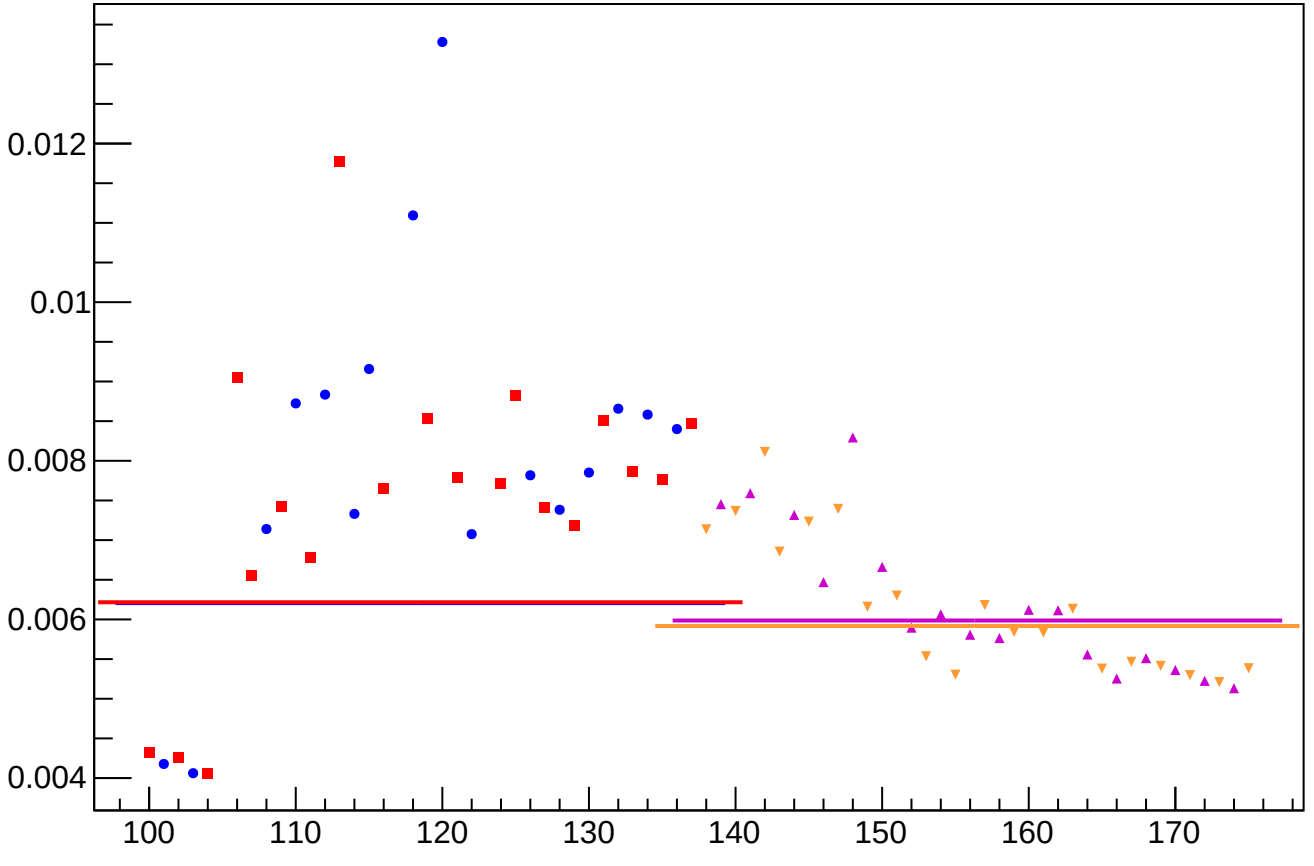
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.138+/-0.000 χ^2/NDF:466039759818.3/33

Out: 0.110+/-0.000 χ^2/NDF:509295342255.9/38

All: 0.123+/-0.000 χ^2/NDF: 975559585999.5

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:415921.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:463575.9/17

Left: 0.006+/-0.000 χ^2/NDF: 881351.7/37

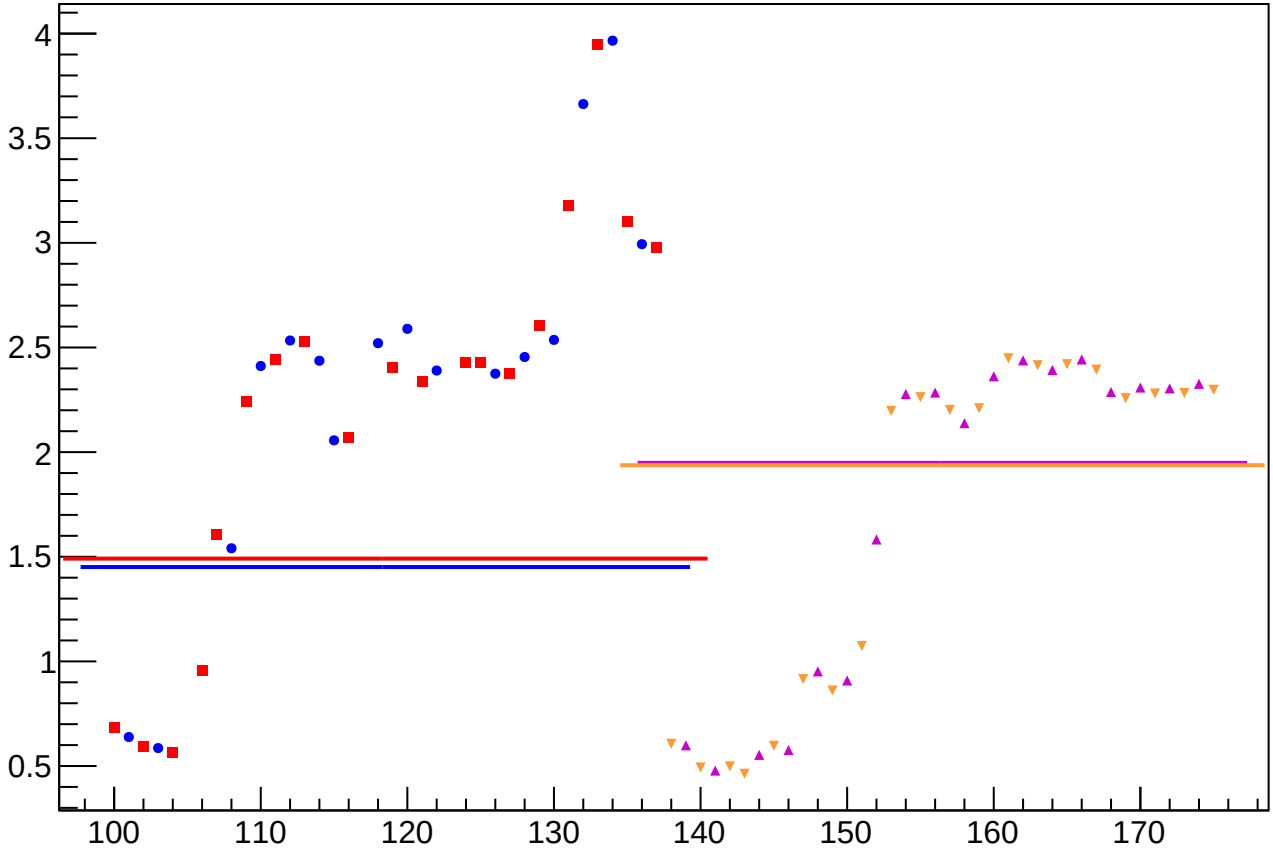
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1897513.2/33

Out: 0.006+/-0.000 χ^2/NDF:1597126.0/38

All: 0.006+/-0.000 χ^2/NDF: 3495845.4/72

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.937+/-0.000 χ^2/NDF:209308857912.8/19

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.949+/-0.000 χ^2/NDF:183455924180.2/17

Left: 1.943+/-0.000 χ^2/NDF: 392792633219.6/37

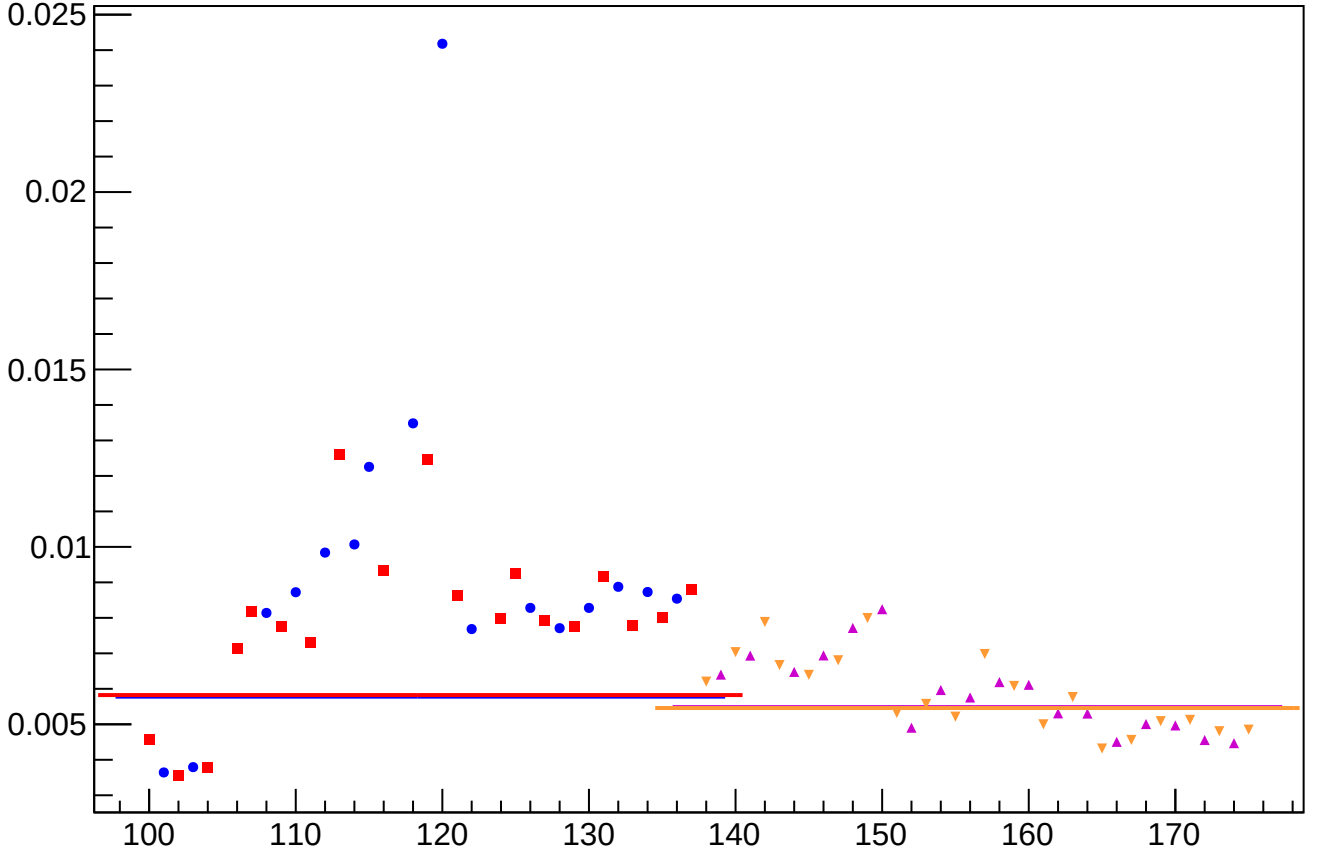
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.815+/-0.000 χ^2/NDF:380279016367.0/33

Out: 1.818+/-0.000 χ^2/NDF:419791331621.1/38

All: 1.817+/-0.000 χ^2/NDF: 800072367525.3

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:687088.3/19

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:741265.9/17

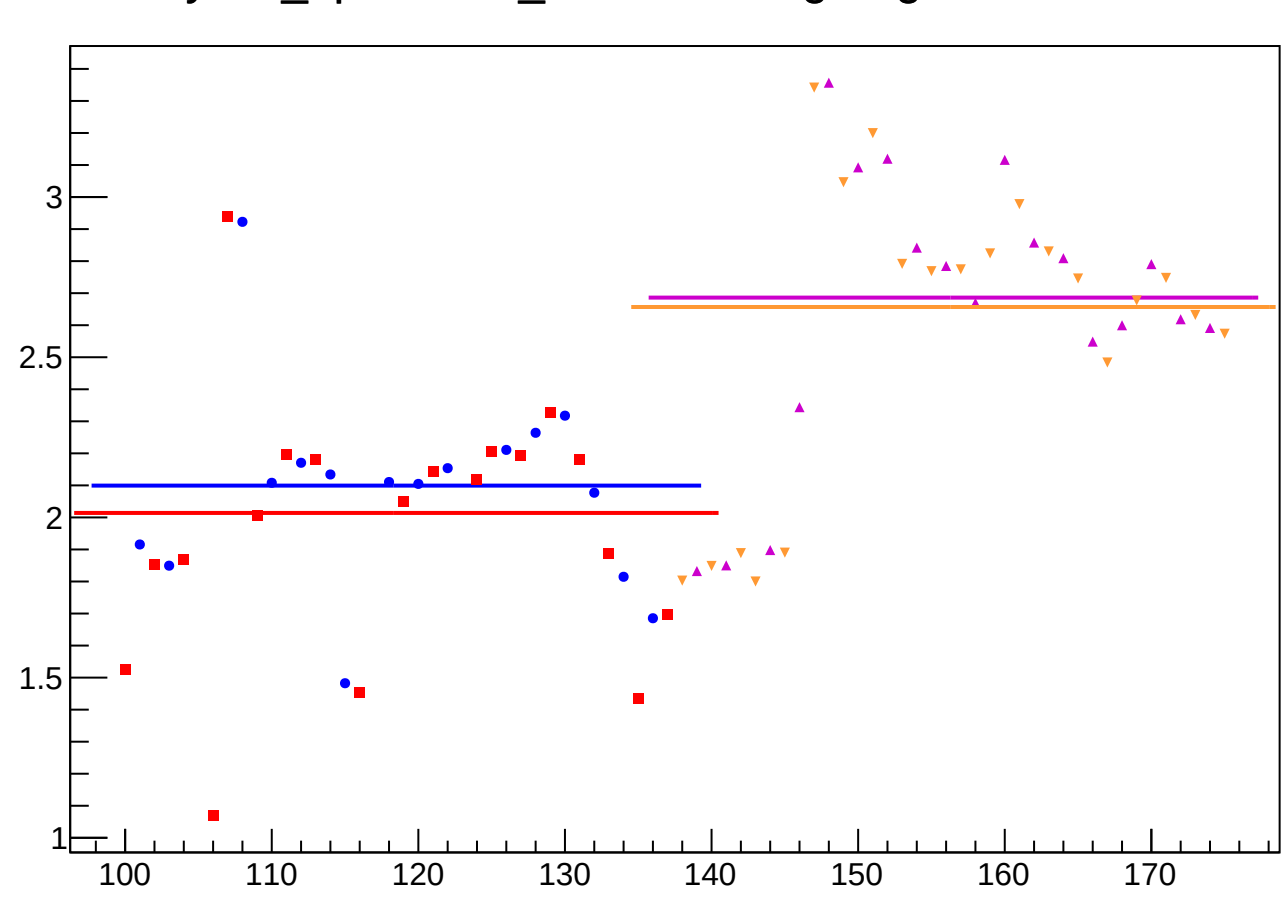
Left: 0.005+/-0.000 χ^2/NDF: 1428644.7/37

Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2974313.4/33

Out: 0.006+/-0.000 χ^2/NDF:2674339.1/38

All: 0.006+/-0.000 χ^2/NDF: 5648687.2/72



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.657+/-0.000 χ^2/NDF:43676891609.0/19

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.686+/-0.000 χ^2/NDF:37037412333.9/17

Left: 2.671+/-0.000 χ^2/NDF: 80820804433.1/37

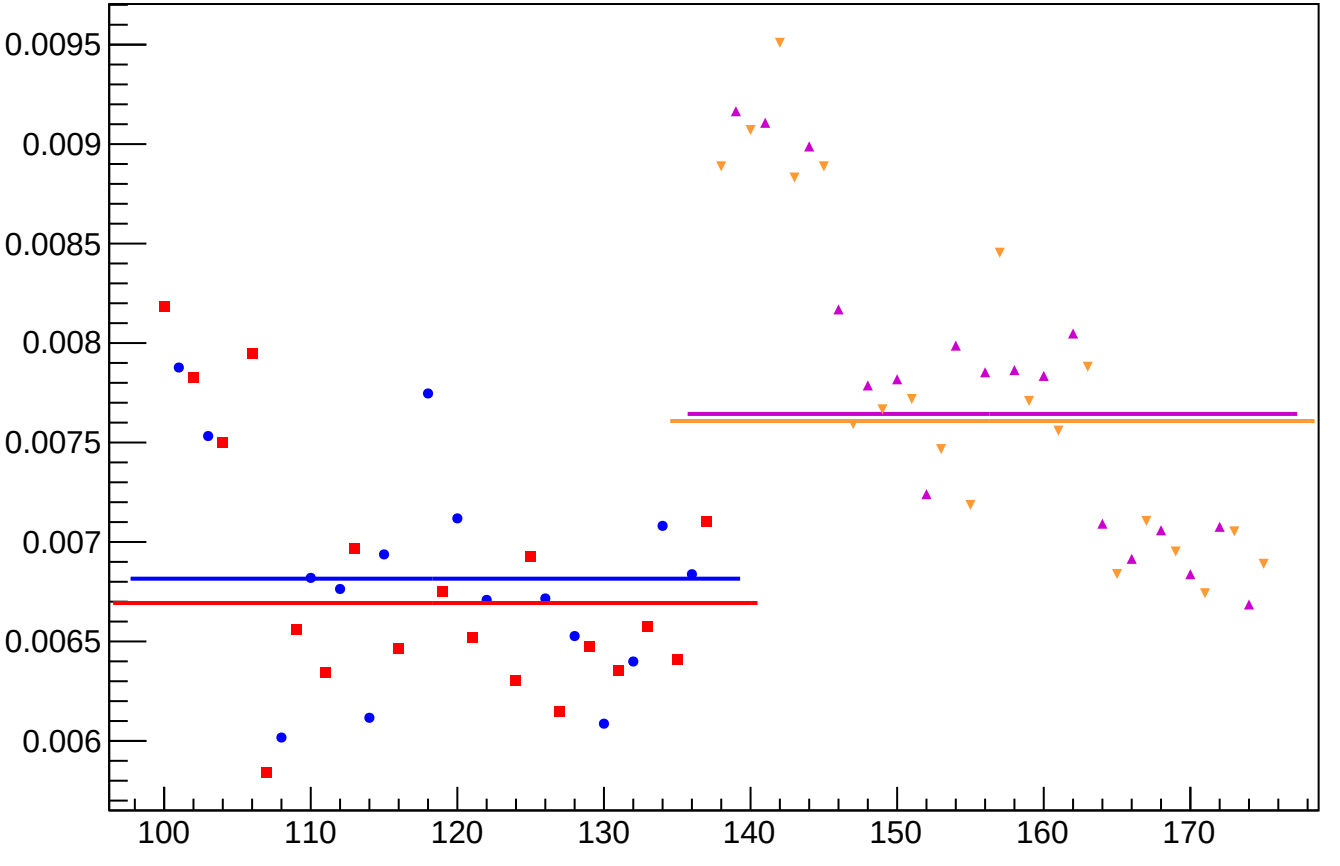
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.463+/-0.000 χ^2/NDF:82346705749.3/33

Out: 2.410+/-0.000 χ^2/NDF:103894561221.5/38

All: 2.436+/-0.000 χ^2/NDF: 186802859015.4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:274870.6/19

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:245468.7/17

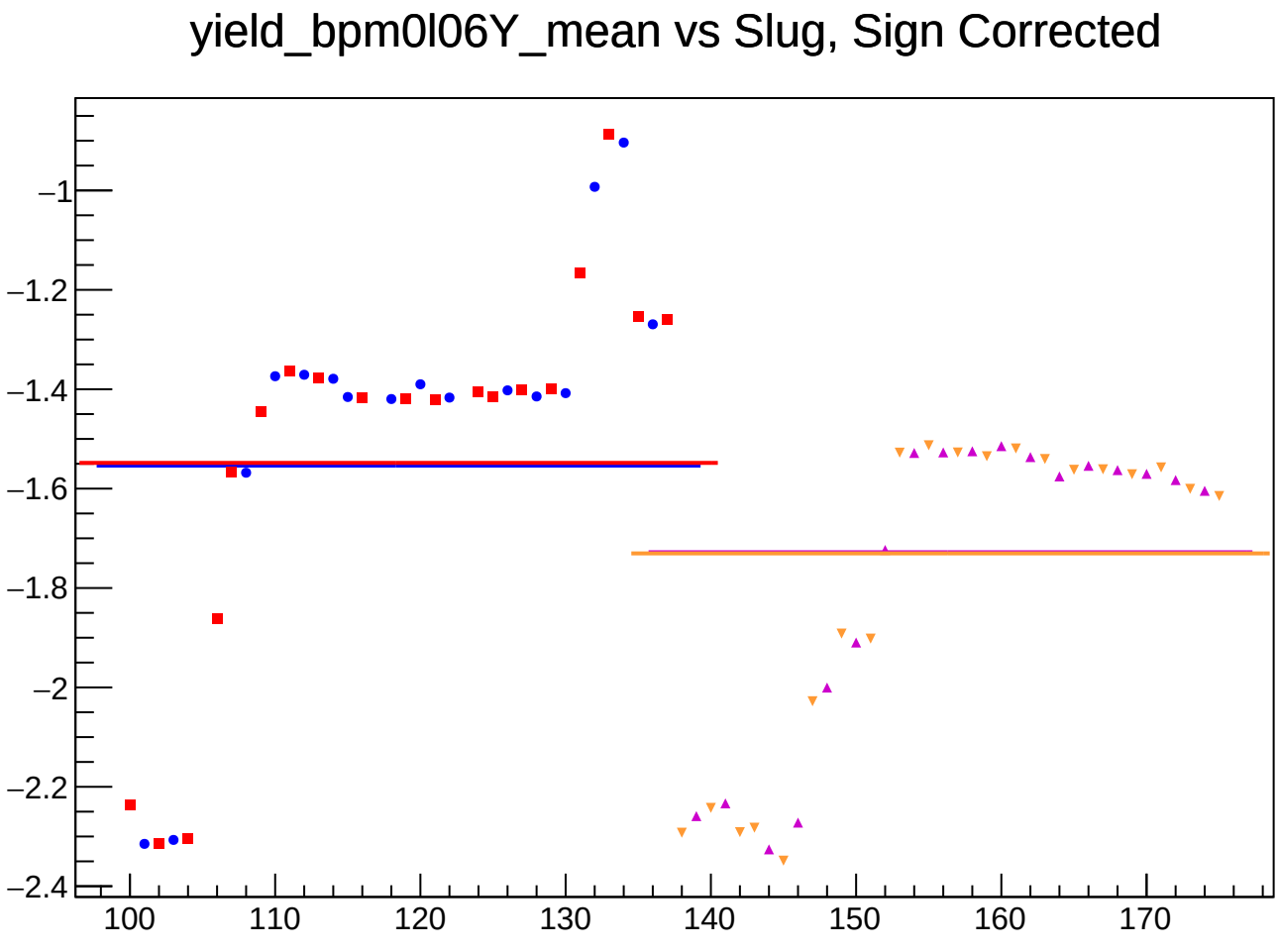
Left: 0.008+/-0.000 χ^2/NDF: 520652.7/37

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:457246.5/33

Out: 0.007+/-0.000 χ^2/NDF:527243.5/38

All: 0.007+/-0.000 χ^2/NDF: 986559.6/72



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.730+/-0.000 χ^2/NDF:147381548169.0/19

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.728+/-0.000 χ^2/NDF:132768462011.1/17

Left: -1.729+/-0.000 χ^2/NDF: 280154852608.9/37

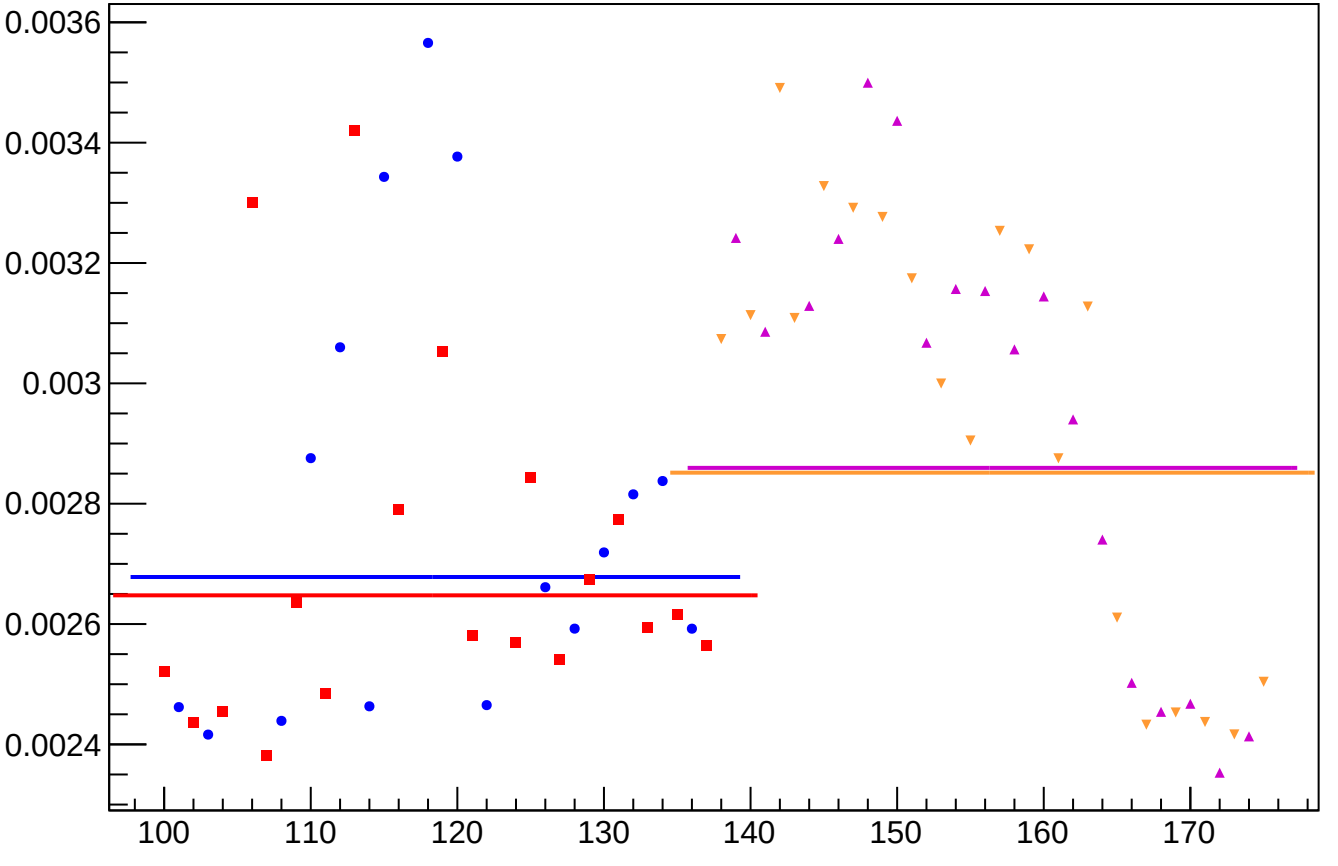
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.666+/-0.000 χ^2/NDF:326220548108.7/33

Out: -1.665+/-0.000 χ^2/NDF:343429645308.8/38

All: -1.665+/-0.000 χ^2/NDF: 669650592403.9

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:439129.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:461211.6/17

Left: 0.003+/-0.000 χ^2/NDF: 900451.3/37

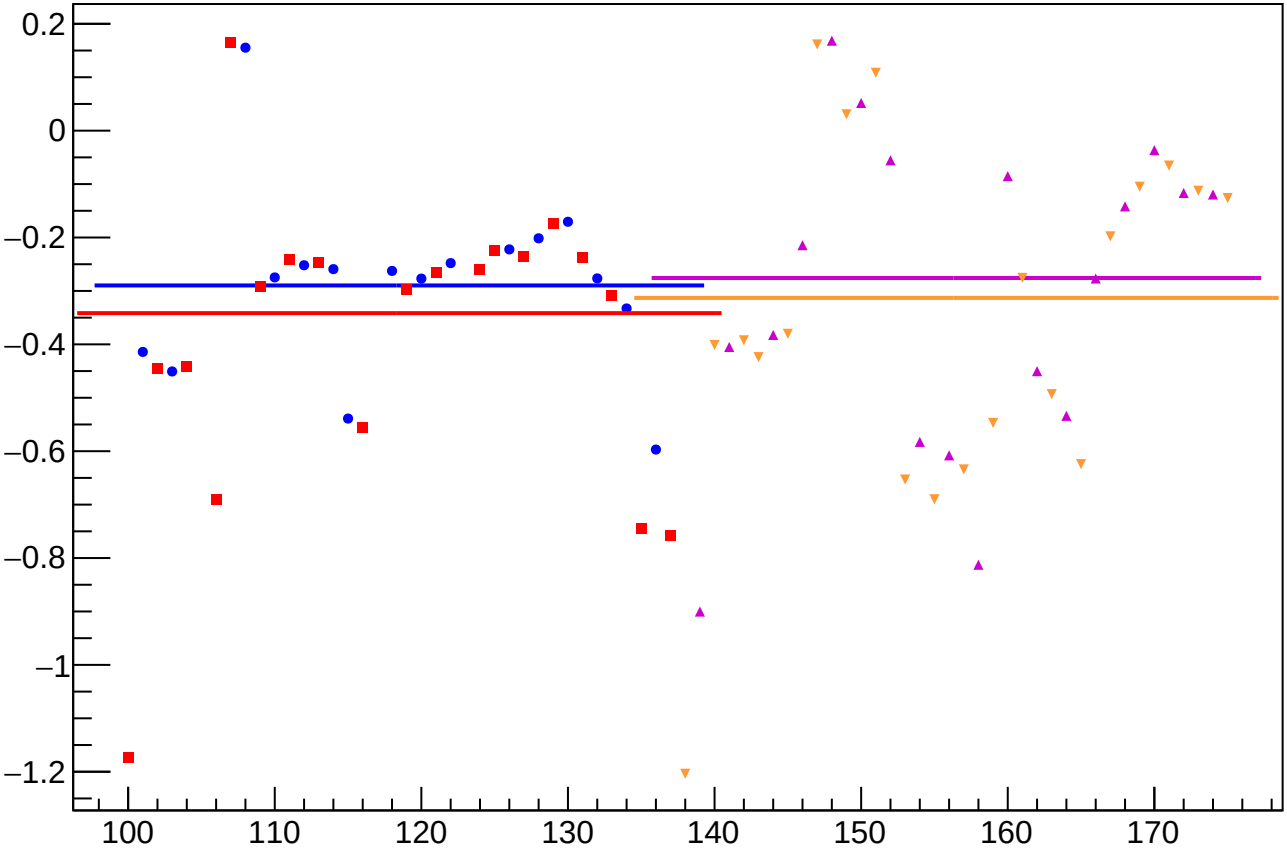
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:658649.9/33

Out: 0.003+/-0.000 χ^2/NDF:608672.1/38

All: 0.003+/-0.000 χ^2/NDF: 1268027.3/72

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.313+/-0.000 χ^2/NDF:8929504501.6/19

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.276+/-0.000 χ^2/NDF:6927064385.9/17

Left: -0.295+/-0.000 χ^2/NDF: 15918767278.2/37

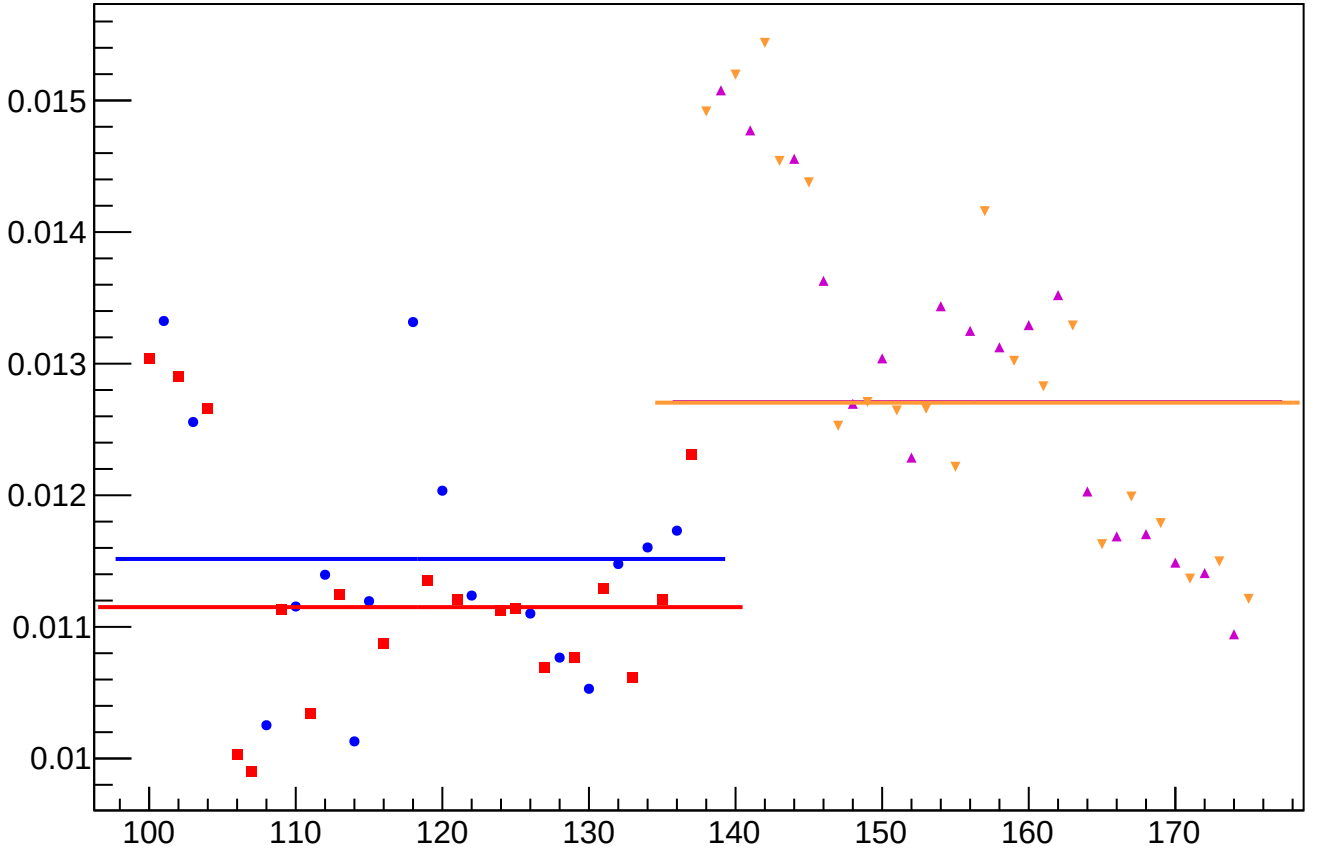
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.281+/-0.000 χ^2/NDF:8578571608.8/33

Out: -0.324+/-0.000 χ^2/NDF:11567780678.9/38

All: -0.303+/-0.000 χ^2/NDF: 20280536193.2/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:257255.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:233131.3/17

Left: 0.013+/-0.000 χ^2/NDF: 490388.7/37

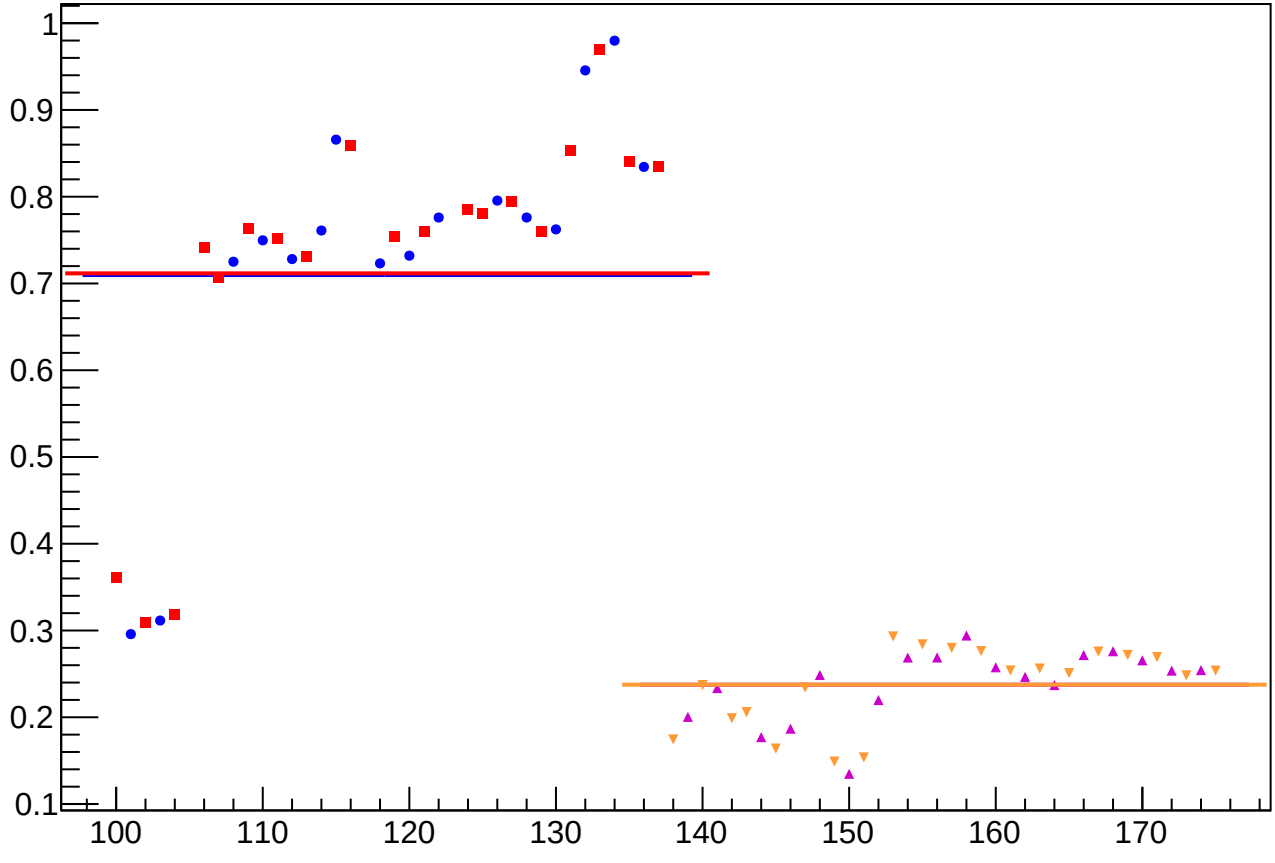
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:409969.3/33

Out: 0.012+/-0.000 χ^2/NDF:500404.3/38

All: 0.012+/-0.000 χ^2/NDF: 914010.1/72

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.238+/-0.000 χ^2/NDF:6807965960.3/19

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.237+/-0.000 χ^2/NDF:5353167734.9/17

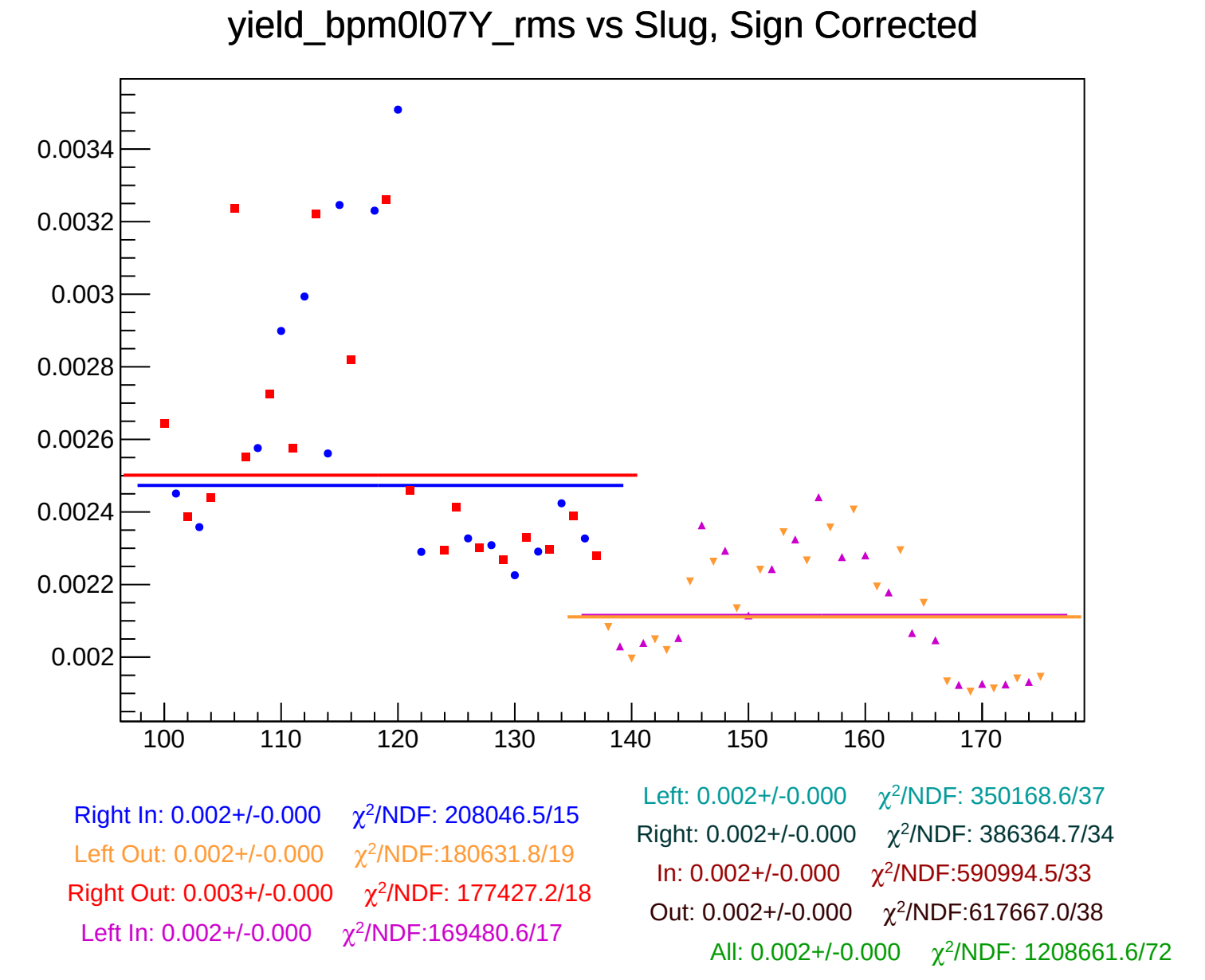
Left: 0.238+/-0.000 χ^2/NDF: 12161137867.0/37

Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

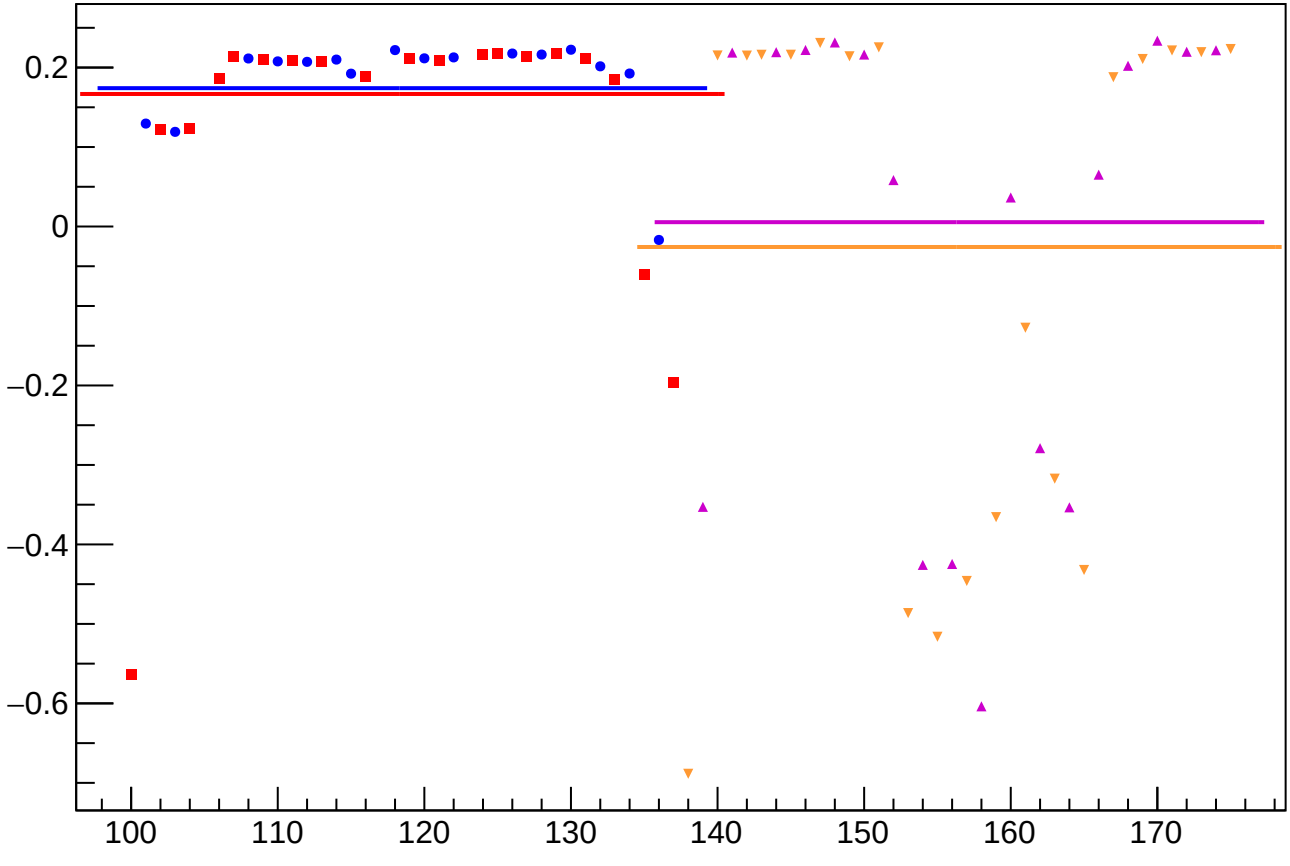
In: 0.357+/-0.000 χ^2/NDF:239774358559.8/33

Out: 0.353+/-0.000 χ^2/NDF:242337904653.8/38

All: 0.355+/-0.000 χ^2/NDF: 482161516541.2


yield_bpm0l07Y_rms vs Slug, Sign Corrected
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 208046.5/15
Left Out: 0.002+/-0.000 χ²/NDF:180631.8/19
Right Out: 0.003+/-0.000 χ²/NDF: 177427.2/18
Left In: 0.002+/-0.000 χ²/NDF:169480.6/17
Left: 0.002+/-0.000 χ²/NDF: 350168.6/37
Right: 0.002+/-0.000 χ²/NDF: 386364.7/34
In: 0.002+/-0.000 χ²/NDF:590994.5/33
Out: 0.002+/-0.000 χ²/NDF:617667.0/38
All: 0.002+/-0.000 χ²/NDF: 1208661.6/72

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.026+/-0.000 χ^2/NDF:11510365127.3/19

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.005+/-0.000 χ^2/NDF:8585216978.2/17

Left: -0.011+/-0.000 χ^2/NDF: 20148837857.3/37

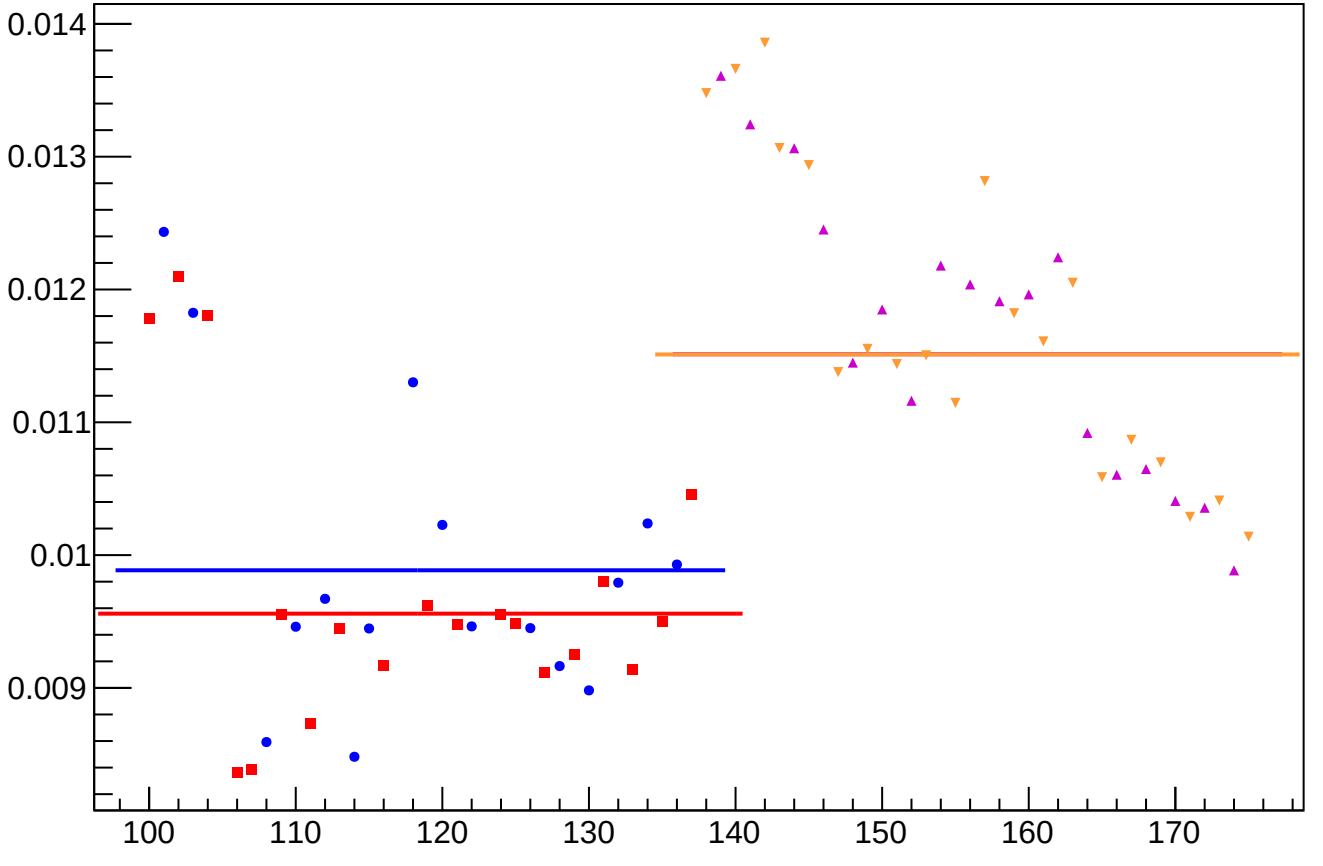
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.073+/-0.000 χ^2/NDF:10186885224.9/33

Out: 0.053+/-0.000 χ^2/NDF:14123706401.5/38

All: 0.063+/-0.000 χ^2/NDF: 24344608107.4/7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:245716.7/19

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:225429.5/17

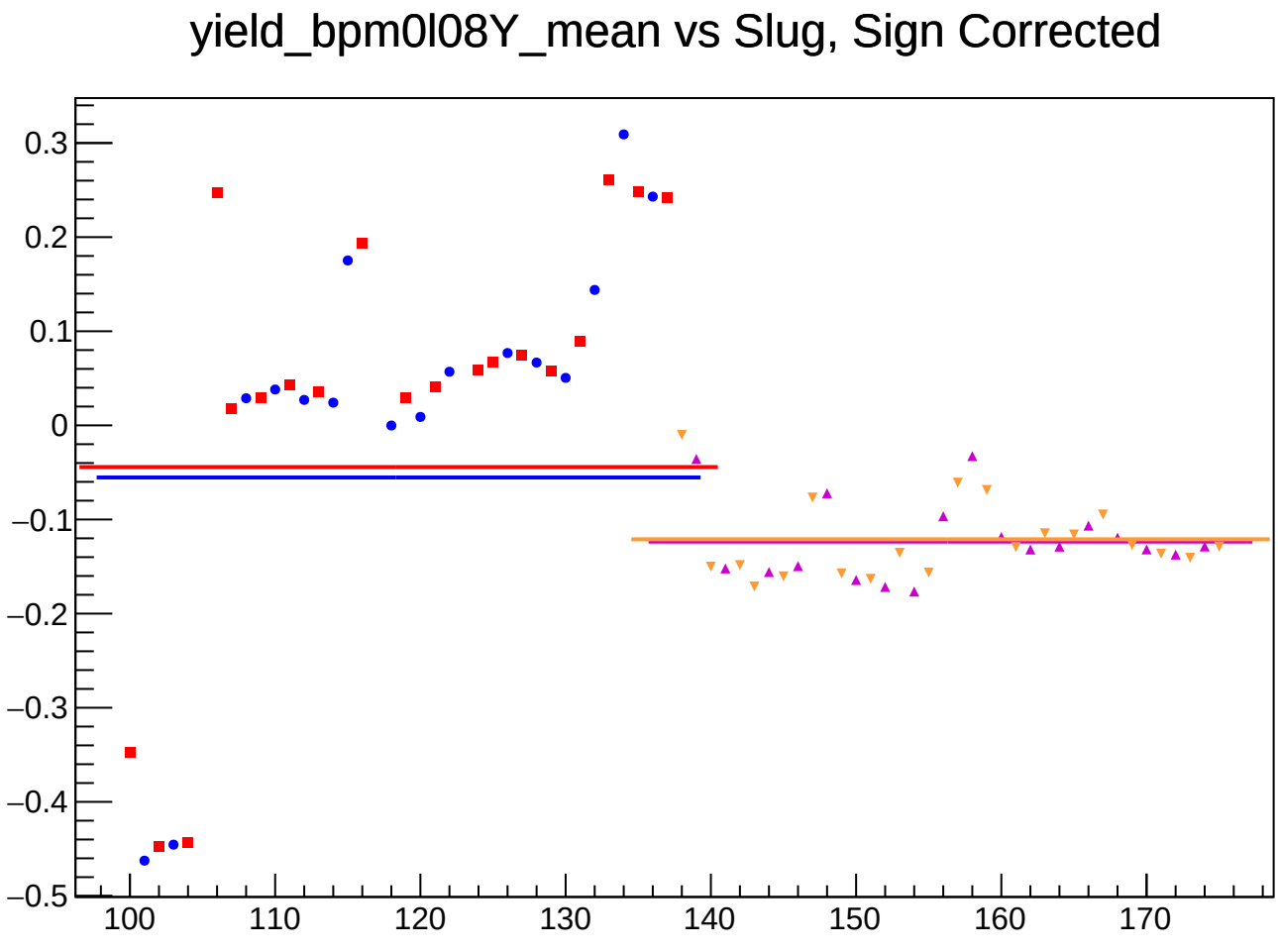
Left: 0.012+/-0.000 χ^2/NDF: 471146.5/37

Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:597385.8/33

Out: 0.011+/-0.000 χ^2/NDF:735324.8/38

All: 0.011+/-0.000 χ^2/NDF: 1337173.7/72



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.121+/-0.000 χ^2/NDF:2908989530.6/19

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.123+/-0.000 χ^2/NDF:2801979478.4/17

Left: -0.122+/-0.000 χ^2/NDF: 5716623905.1/37

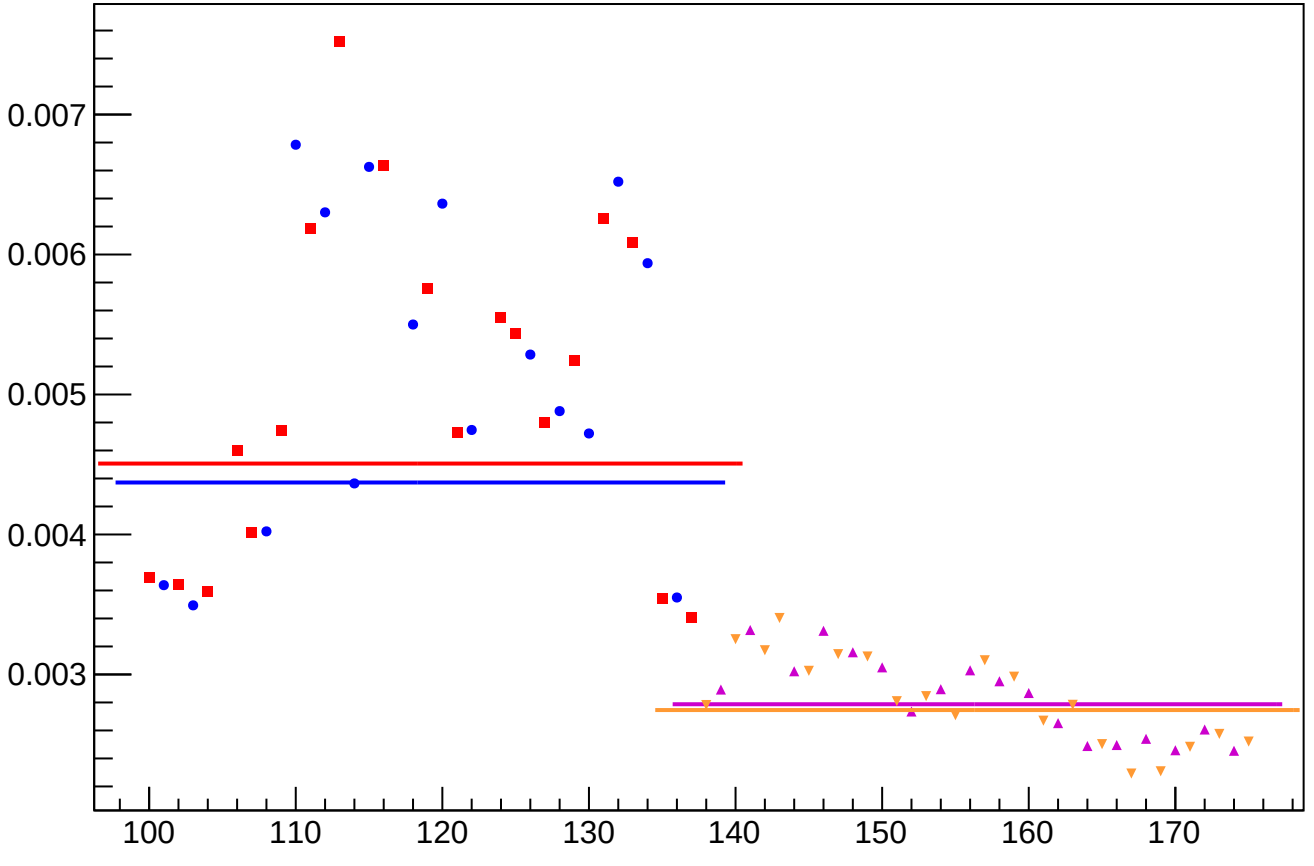
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.113+/-0.000 χ^2/NDF:28144105619.5/33

Out: -0.111+/-0.000 χ^2/NDF:26645349012.0/38

All: -0.112+/-0.000 χ^2/NDF: 54797542505.4/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:372328.1/19

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:265409.4/17

Left: 0.003+/-0.000 χ^2/NDF: 641012.1/37

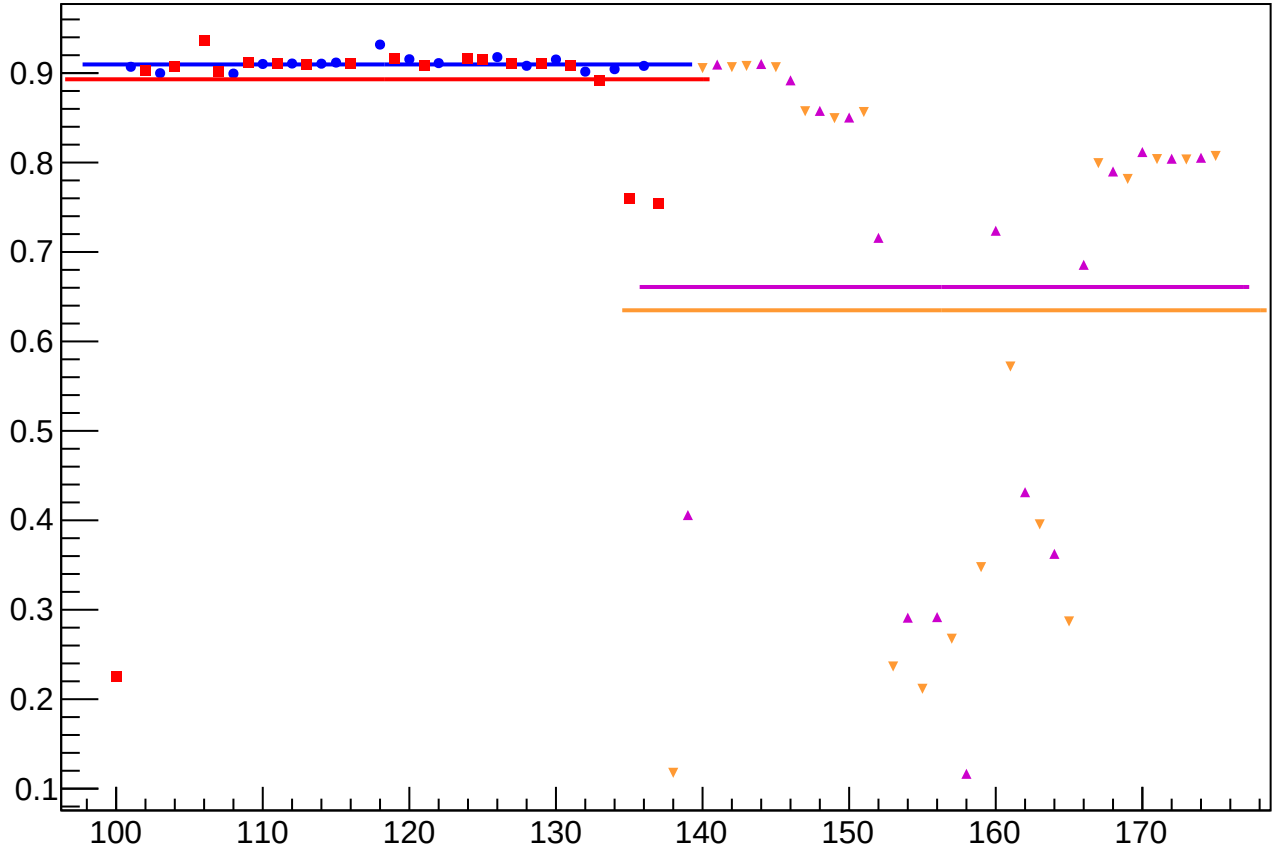
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2287863.1/33

Out: 0.003+/-0.000 χ^2/NDF:2761736.9/38

All: 0.003+/-0.000 χ^2/NDF: 5052907.4/72

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.635+/-0.000 χ^2/NDF:8693389019.7/19

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.661+/-0.000 χ^2/NDF:6646935047.0/17

Left: 0.647+/-0.000 χ^2/NDF: 15379401613.3/37

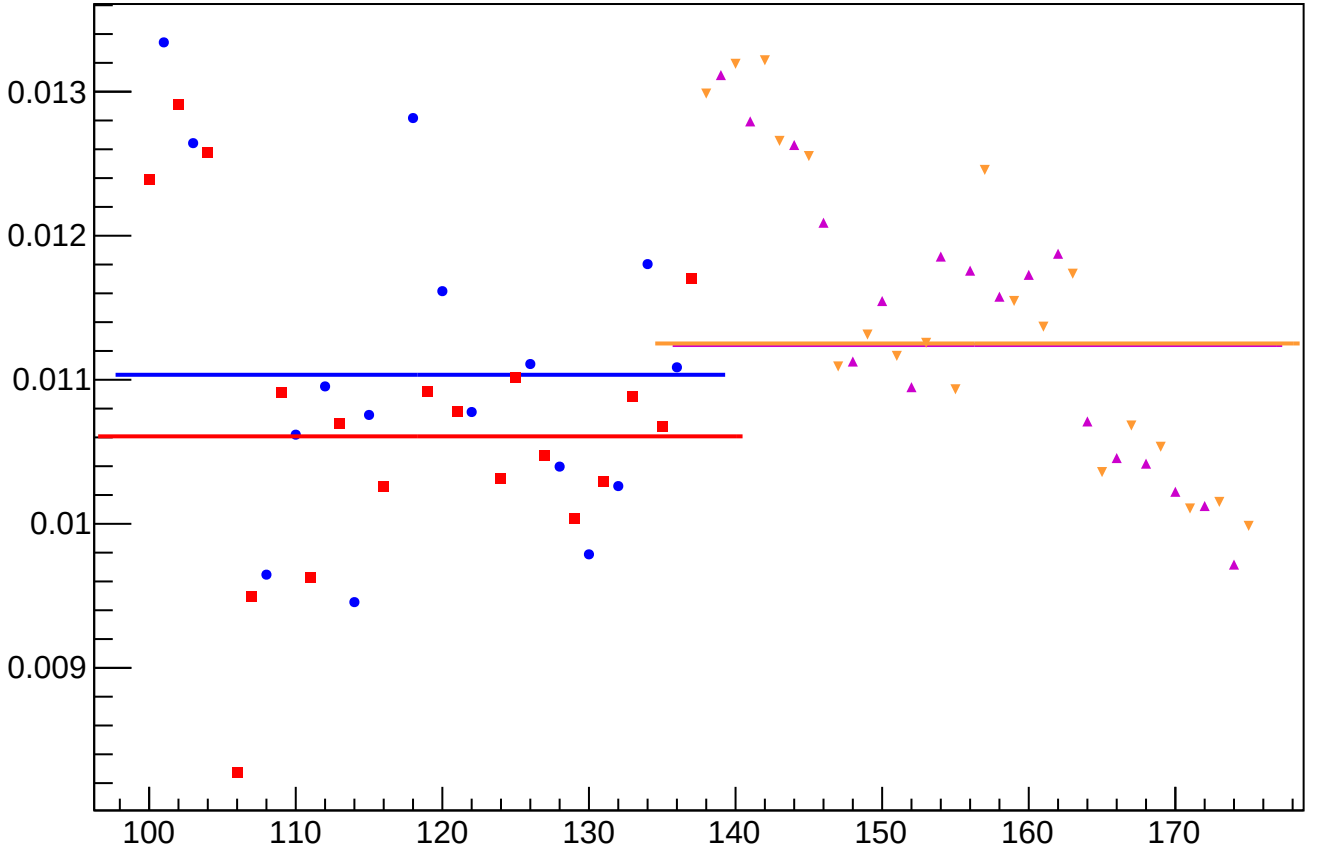
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.744+/-0.000 χ^2/NDF:8970760177.5/33

Out: 0.725+/-0.000 χ^2/NDF:11796517795.1/38

All: 0.734+/-0.000 χ^2/NDF: 20798987894.8/7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:217497.2/19

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:200936.2/17

Left: 0.011+/-0.000 χ^2/NDF: 418446.5/37

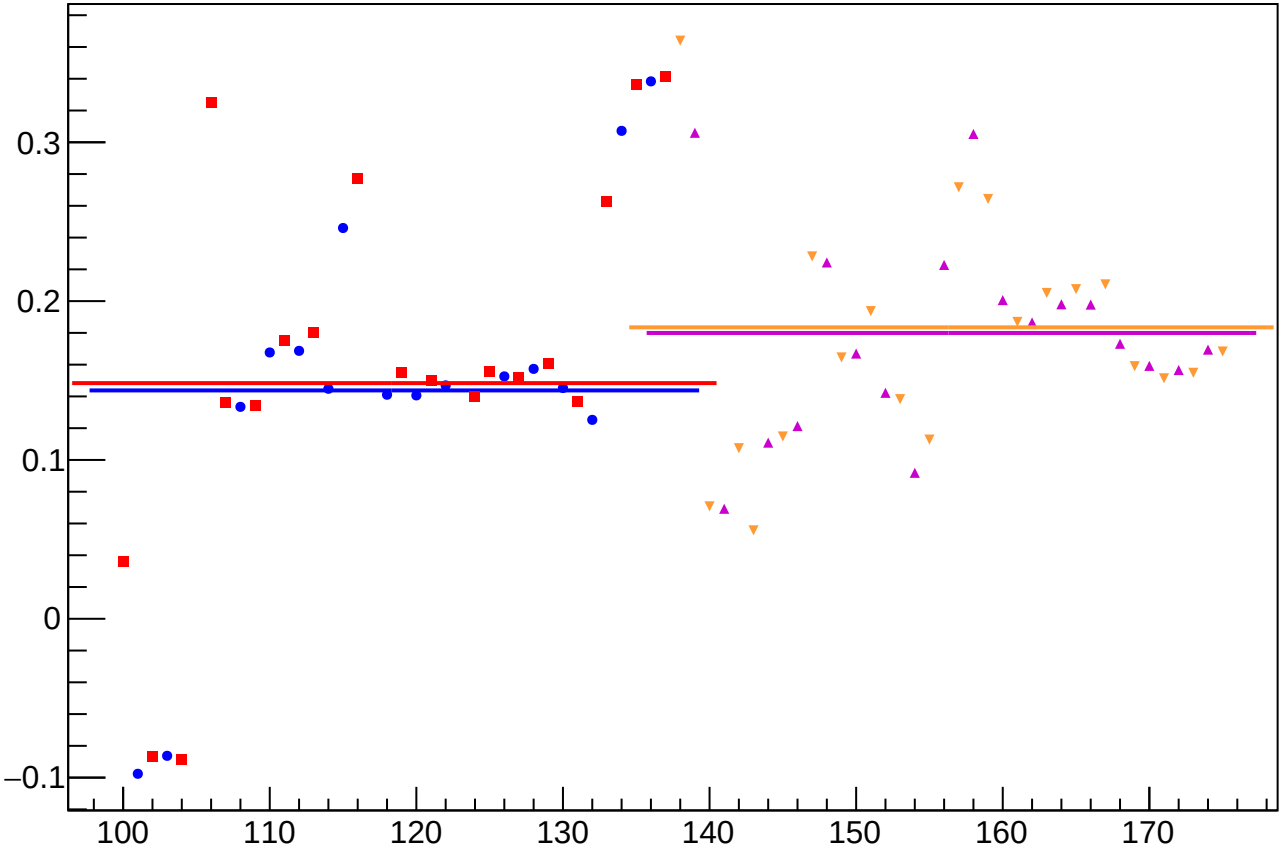
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:334490.0/33

Out: 0.011+/-0.000 χ^2/NDF:396028.3/38

All: 0.011+/-0.000 χ^2/NDF: 734243.4/72

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.183+/-0.000 χ^2/NDF:6338088647.0/19

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.180+/-0.000 χ^2/NDF:4565554502.4/17

Left: 0.182+/-0.000 χ^2/NDF: 10913131165.9/37

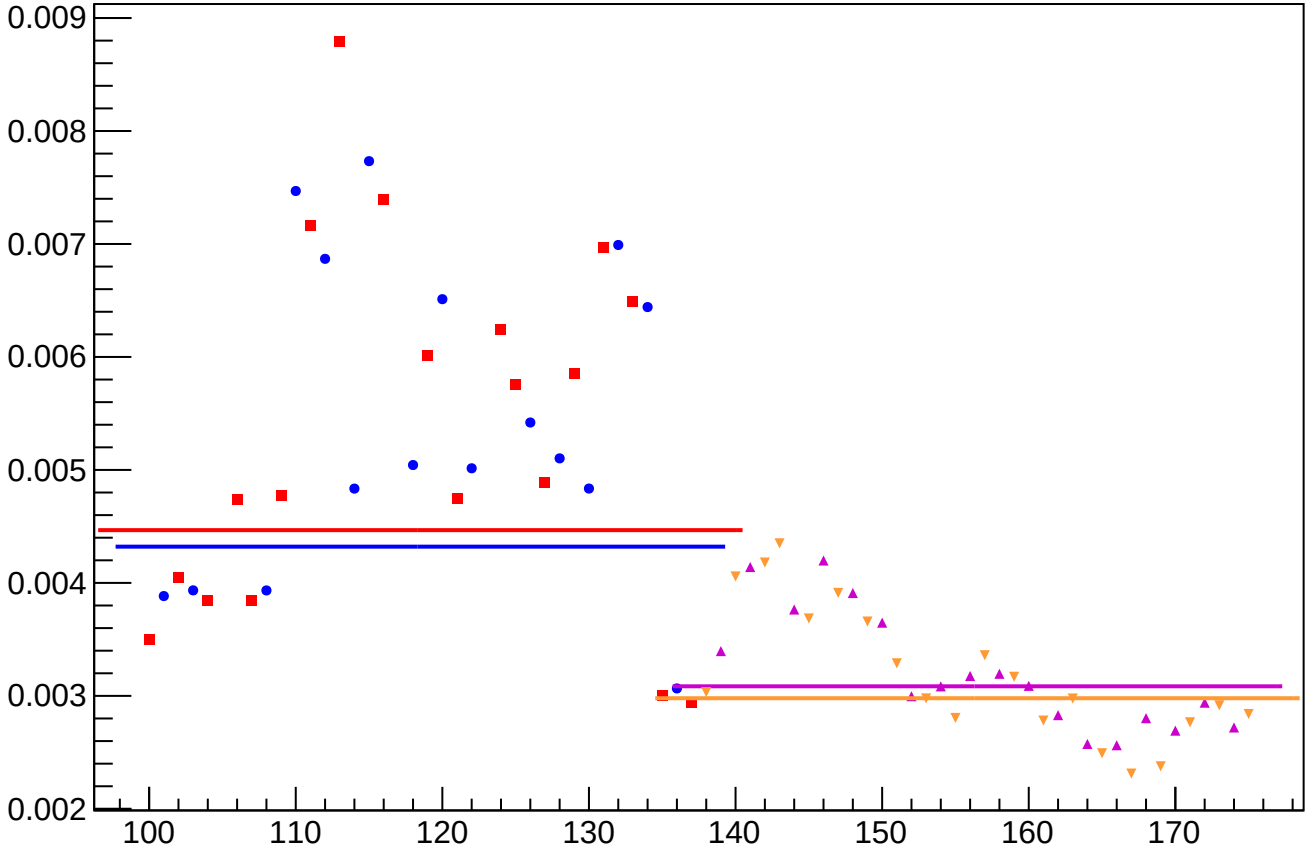
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.174+/-0.000 χ^2/NDF:12762812919.3/33

Out: 0.178+/-0.000 χ^2/NDF:13776469079.1/38

All: 0.176+/-0.000 χ^2/NDF: 26557869938.8/7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:843821.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:568333.1/17

Left: 0.003+/-0.000 χ^2/NDF: 1429044.9/37

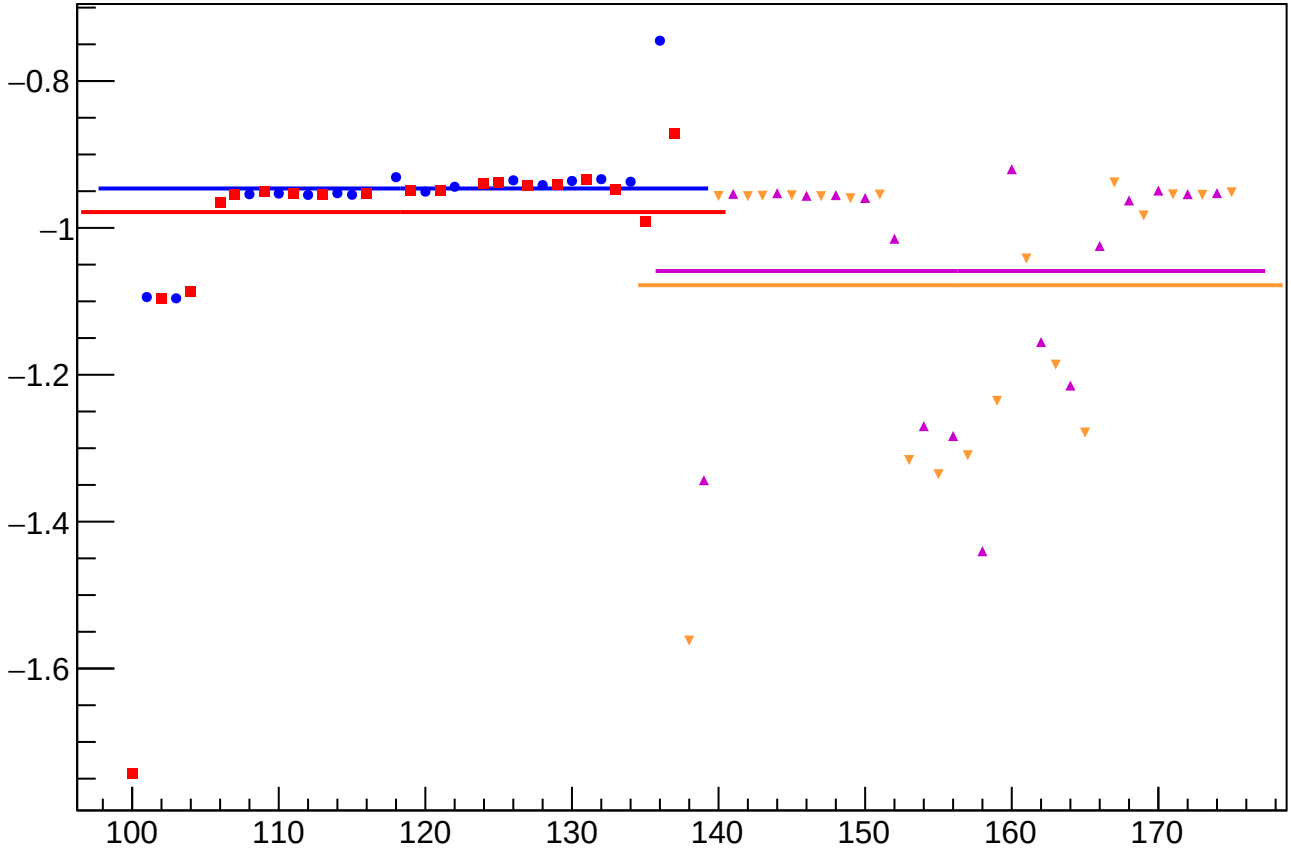
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2217560.1/33

Out: 0.003+/-0.000 χ^2/NDF:3042550.1/38

All: 0.003+/-0.000 χ^2/NDF: 5276372.0/72

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.078+/-0.000 χ^2/NDF:4567539440.6/19

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.059+/-0.000 χ^2/NDF:3564204918.4/17

Left: -1.069+/-0.000 χ^2/NDF: 8158916229.8/37

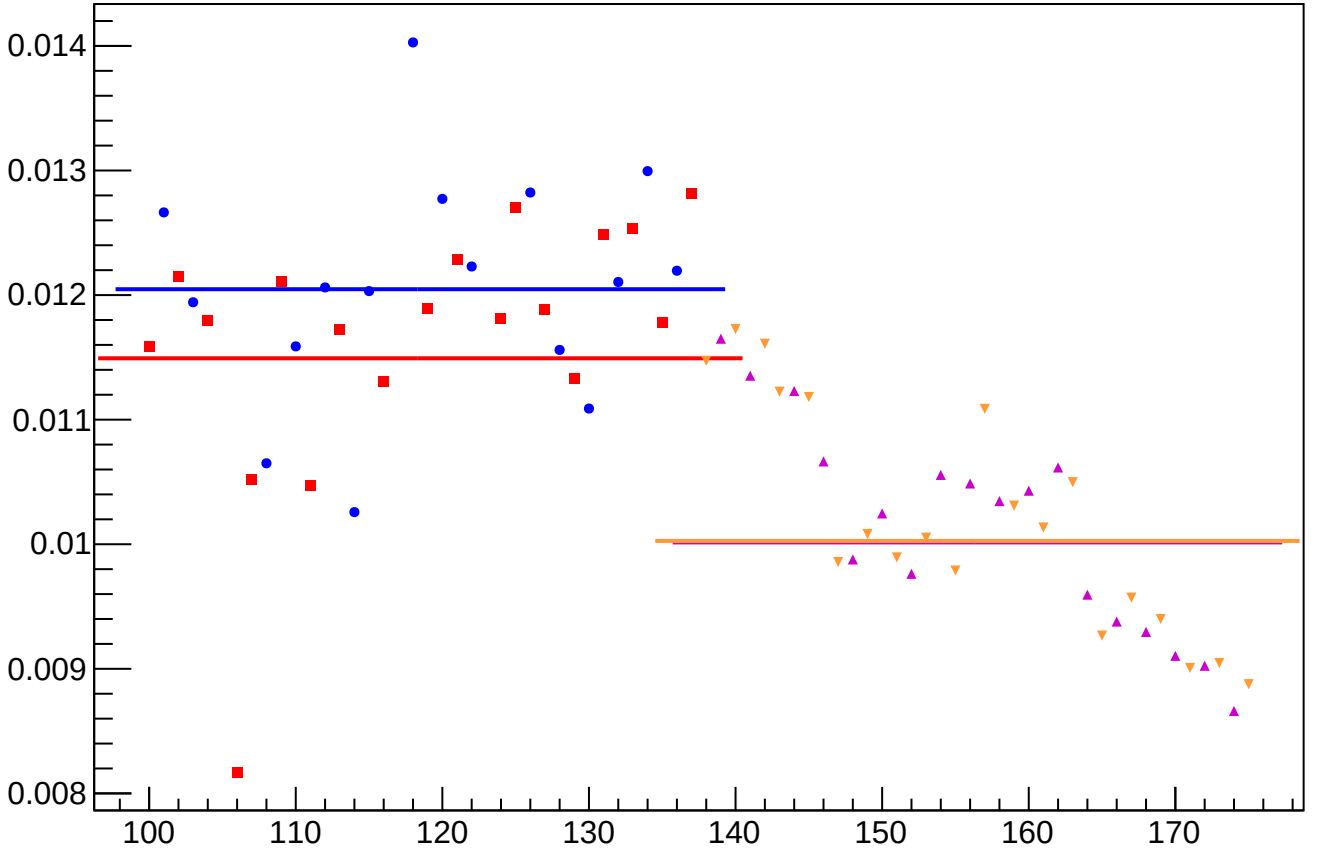
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.031+/-0.000 χ^2/NDF:4417151196.8/33

Out: -1.052+/-0.000 χ^2/NDF:5423764623.6/38

All: -1.042+/-0.000 χ^2/NDF: 9884523616.8/7

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:210176.2/19

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:194583.2/17

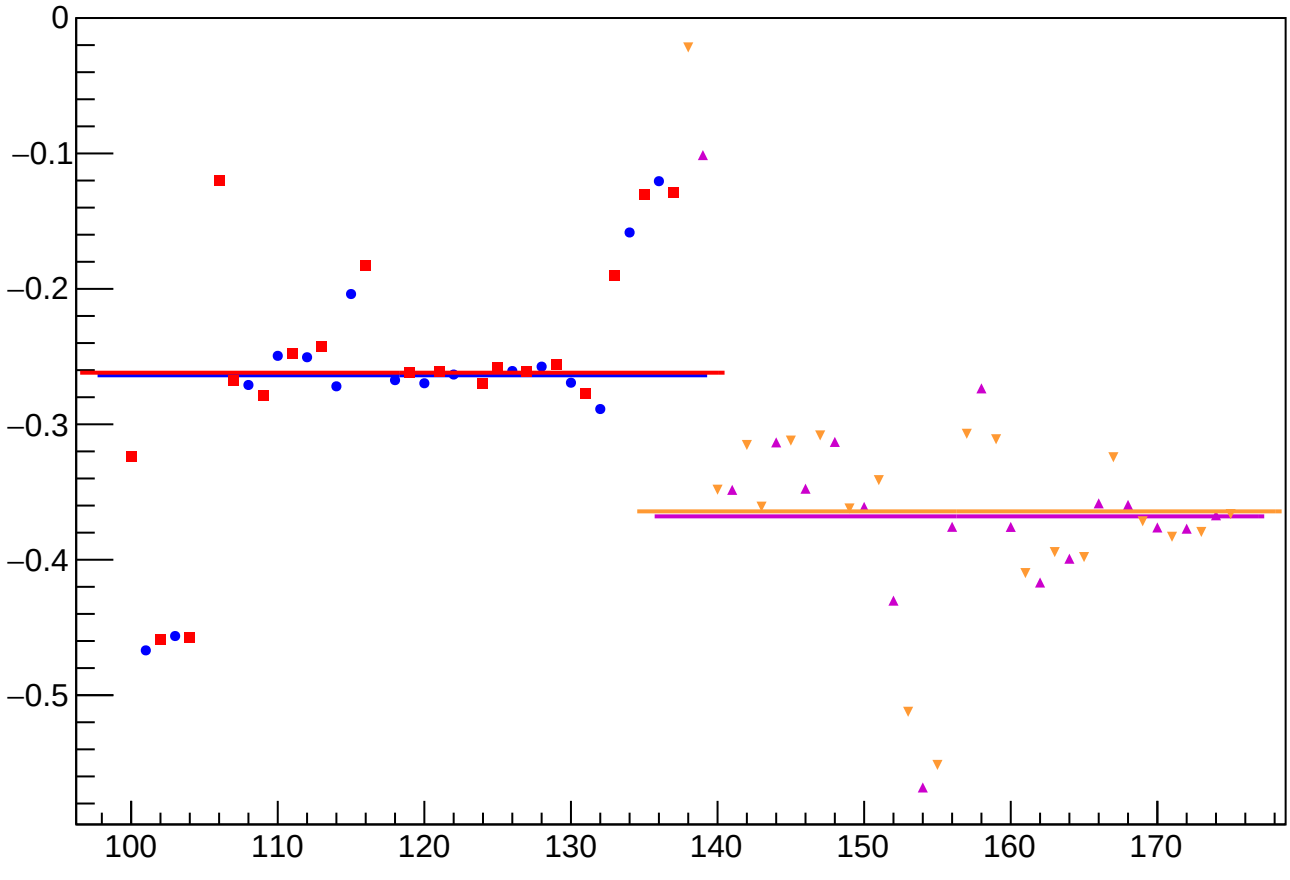
Left: 0.010+/-0.000 χ^2/NDF: 404780.5/37

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:550269.1/33

Out: 0.010+/-0.000 χ^2/NDF:532781.5/38

All: 0.010+/-0.000 χ^2/NDF: 1085366.8/72



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.364+/-0.000 χ^2/NDF:11900028777.7/19

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.368+/-0.000 χ^2/NDF:7568212414.7/17

Left: -0.366+/-0.000 χ^2/NDF: 19476452968.2/37

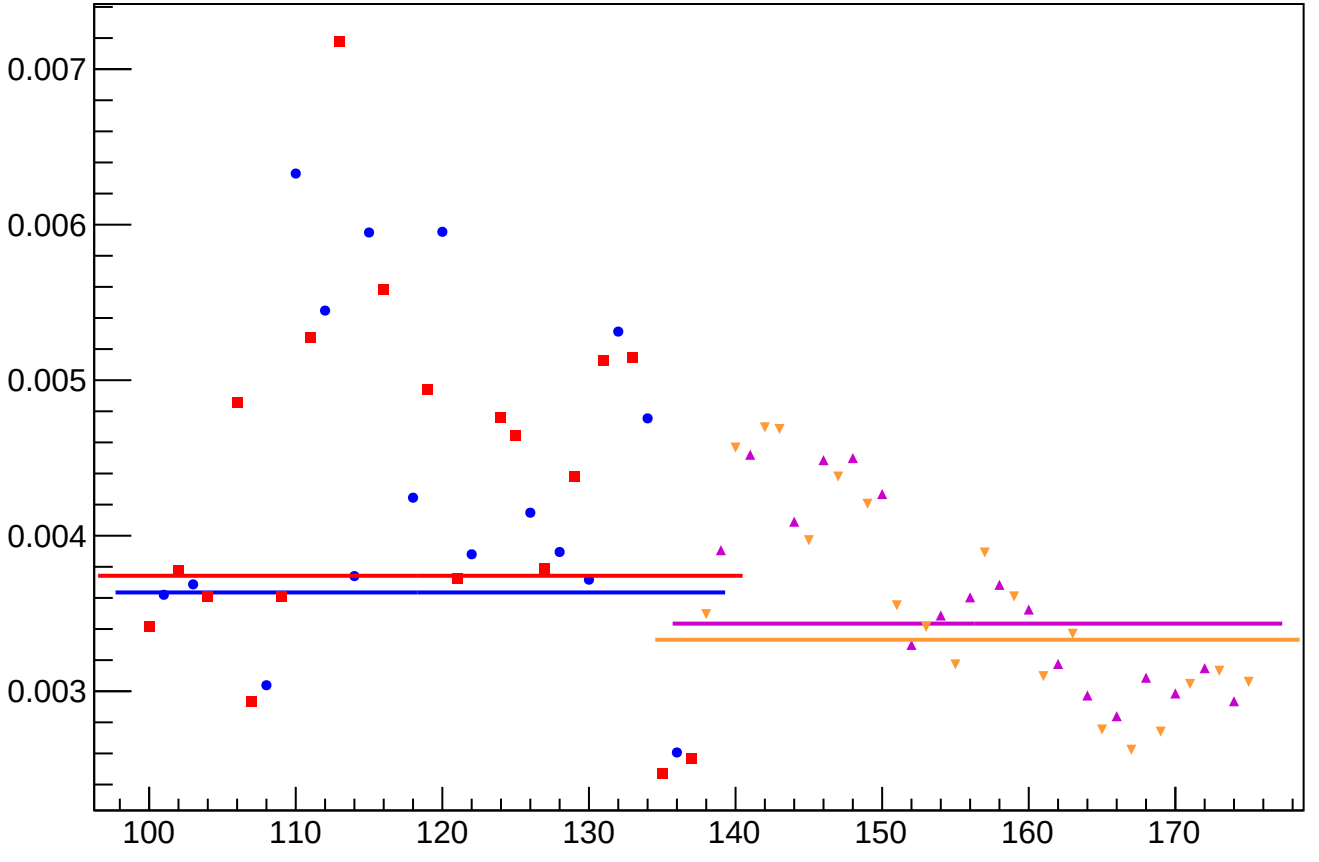
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.339+/-0.000 χ^2/NDF:17093189036.1/33

Out: -0.339+/-0.000 χ^2/NDF:20527936704.2/38

All: -0.339+/-0.000 χ^2/NDF: 37621226944.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:803171.5/19

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:590585.7/17

Left: 0.003+/-0.000 χ^2/NDF: 1406719.8/37

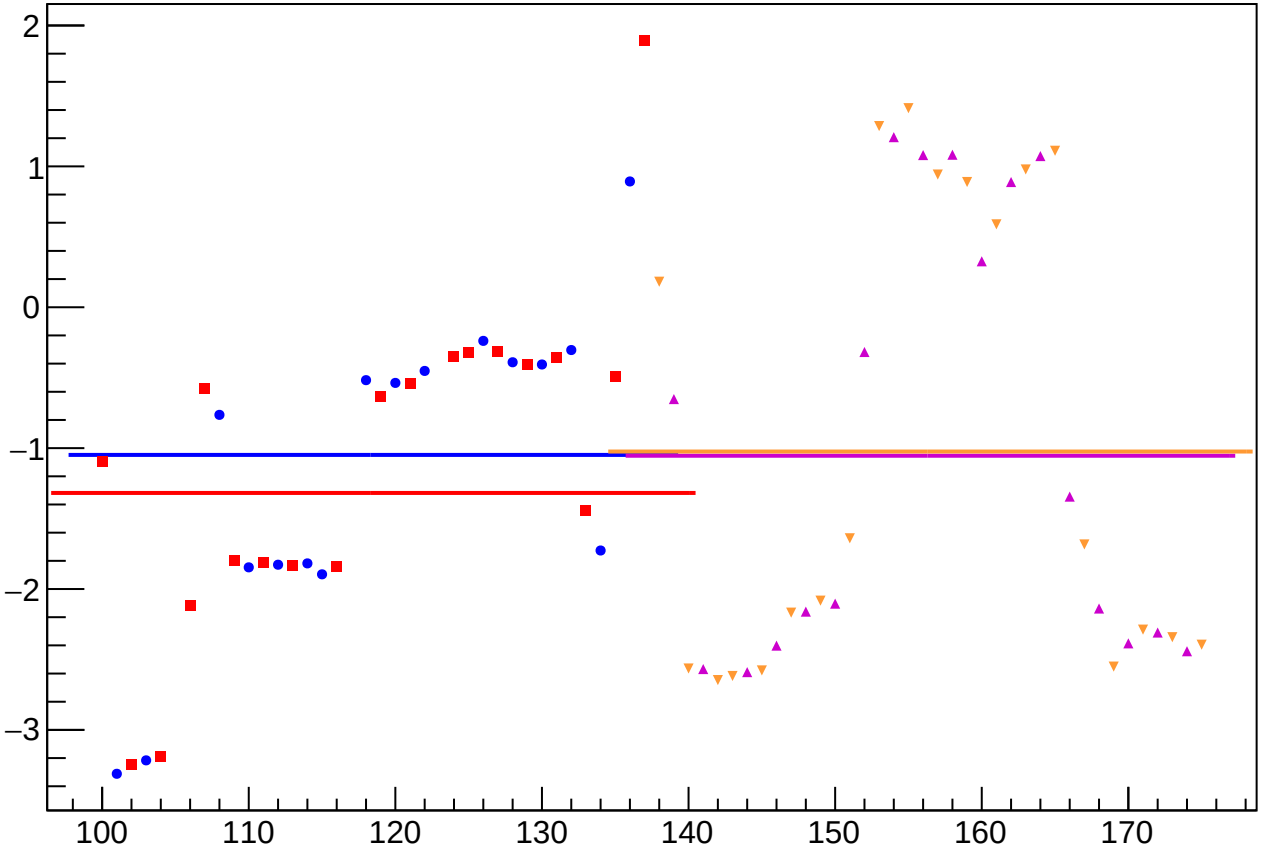
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1344494.9/33

Out: 0.003+/-0.000 χ^2/NDF:1806420.9/38

All: 0.003+/-0.000 χ^2/NDF: 3156143.6/72

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.024+/-0.000 χ^2/NDF:7133694607.3/19

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.054+/-0.000 χ^2/NDF:5798502569.7/17

Left: -1.038+/-0.000 χ^2/NDF: 12933390175.0/37

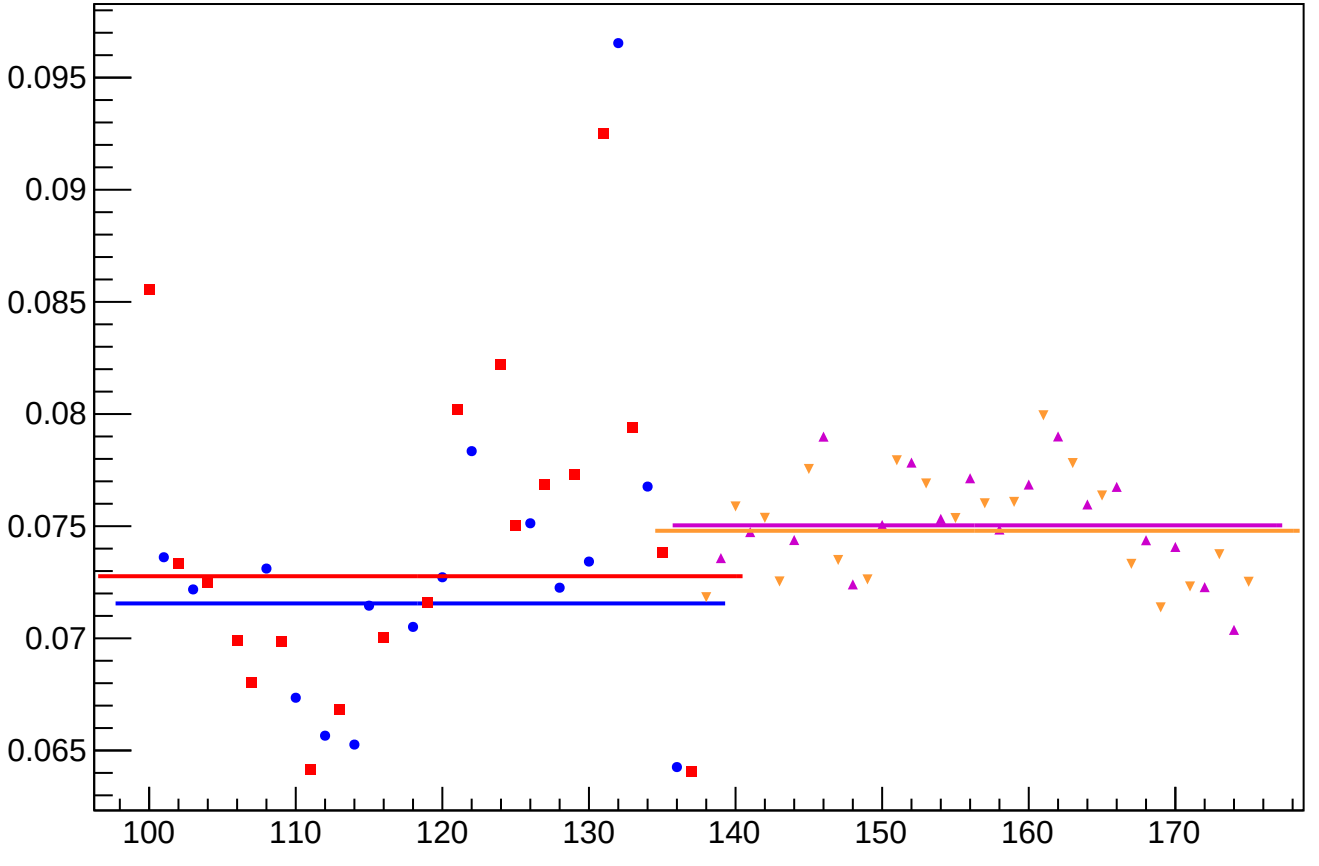
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.052+/-0.000 χ^2/NDF:8145553671.6/33

Out: -1.121+/-0.000 χ^2/NDF:9061161313.2/38

All: -1.087+/-0.000 χ^2/NDF: 17216398285.4/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:31439.6/19

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26374.1/17

Left: 0.075+/-0.000 χ^2/NDF: 57971.2/37

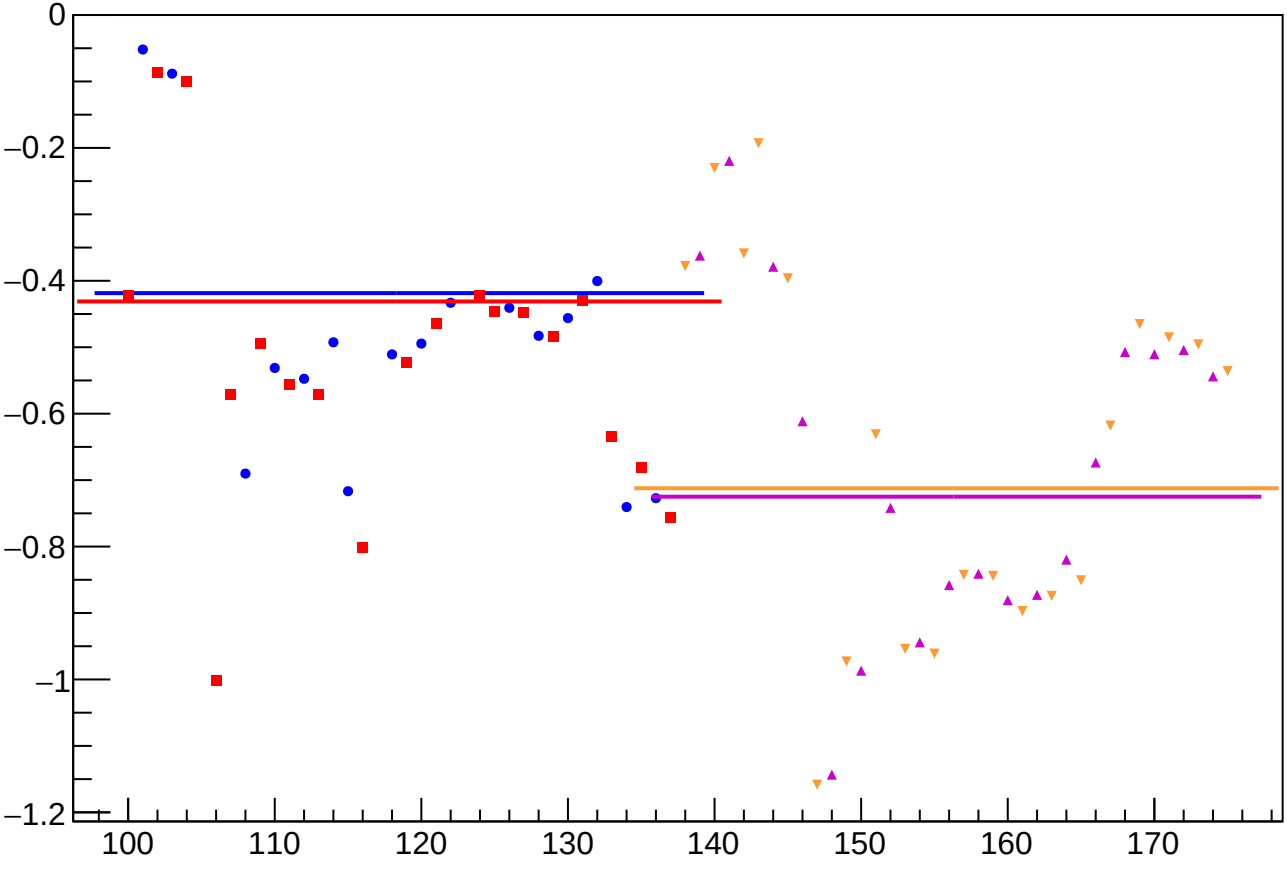
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:149322.3/33

Out: 0.074+/-0.000 χ^2/NDF:135862.2/38

All: 0.074+/-0.000 χ^2/NDF: 285535.6/72

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.712+/-0.000 χ^2/NDF:19536591119.2/19

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.725+/-0.000 χ^2/NDF:14569259373.1/17

Left: -0.718+/-0.000 χ^2/NDF: 34132074135.1/37

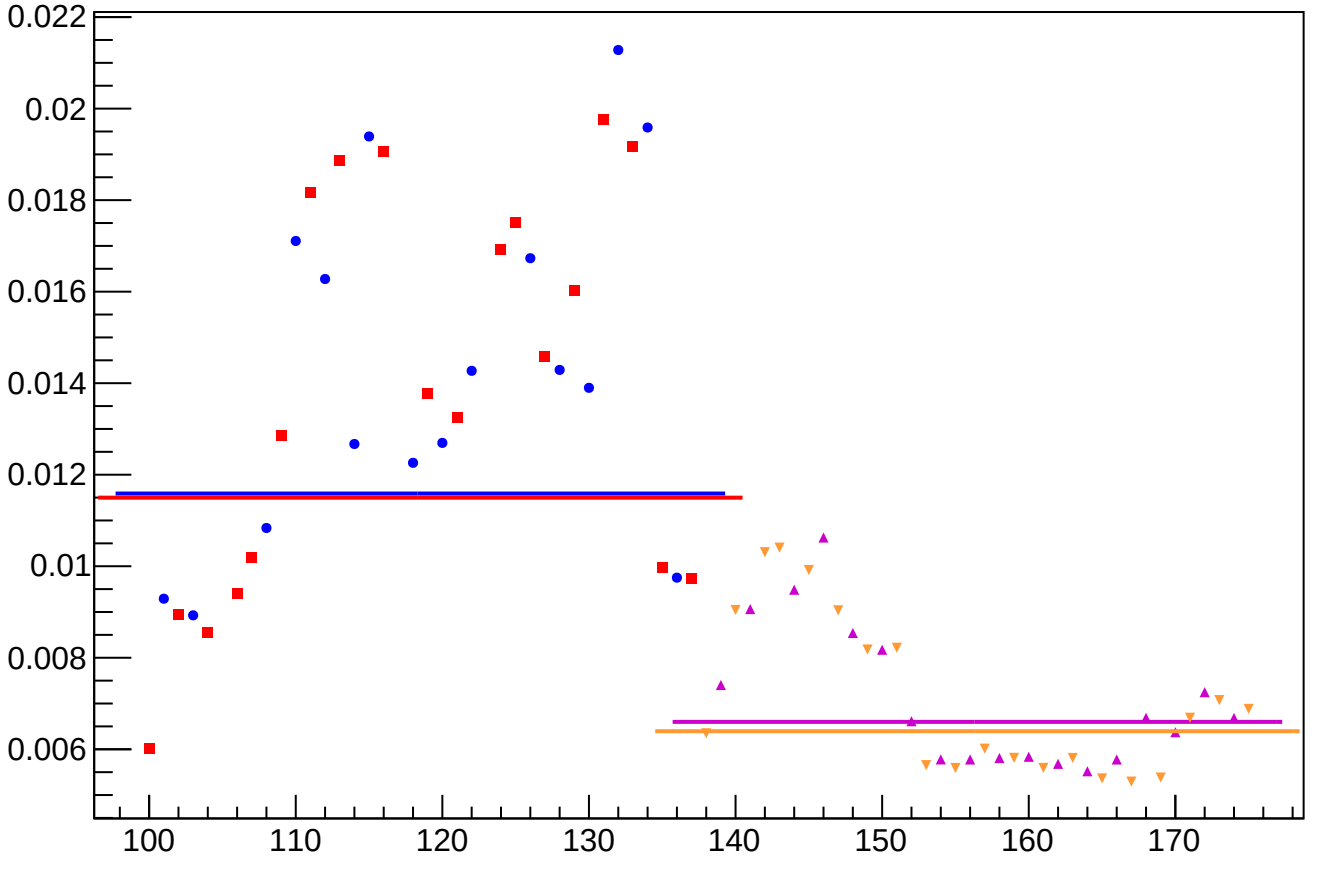
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.687+/-0.000 χ^2/NDF:21285678604.2/33

Out: -0.680+/-0.000 χ^2/NDF:25914020473.7/38

All: -0.683+/-0.000 χ^2/NDF: 47207567382.0/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1240905.3/19

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:889848.2/17

Left: 0.006+/-0.000 χ^2/NDF: 2144493.4/37

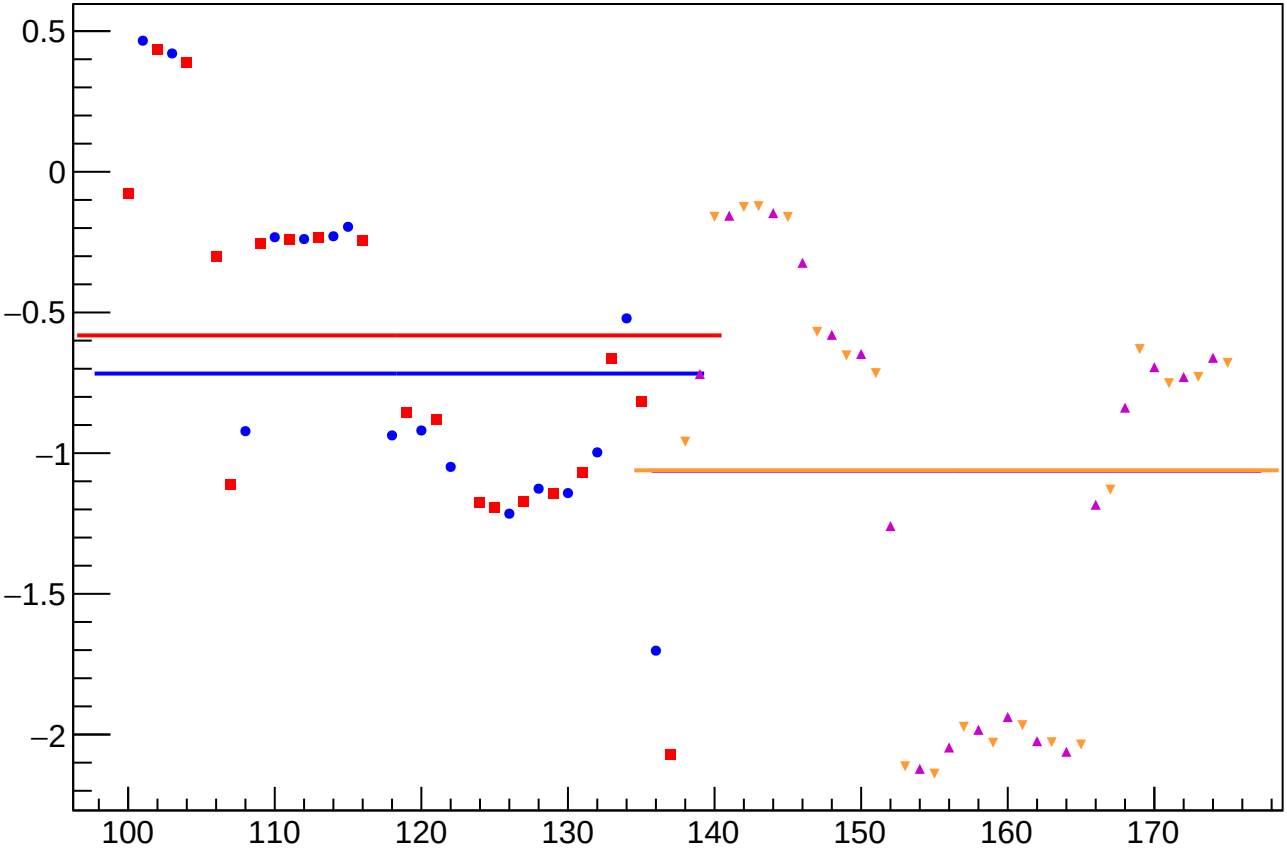
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3609641.4/33

Out: 0.007+/-0.000 χ^2/NDF:4501465.7/38

All: 0.007+/-0.000 χ^2/NDF: 8133420.6/72

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.061+/-0.000 χ^2/NDF:1147680962.6/19

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.063+/-0.000 χ^2/NDF:971355531.2/17

Left: -1.062+/-0.000 χ^2/NDF: 2119040475.5/37

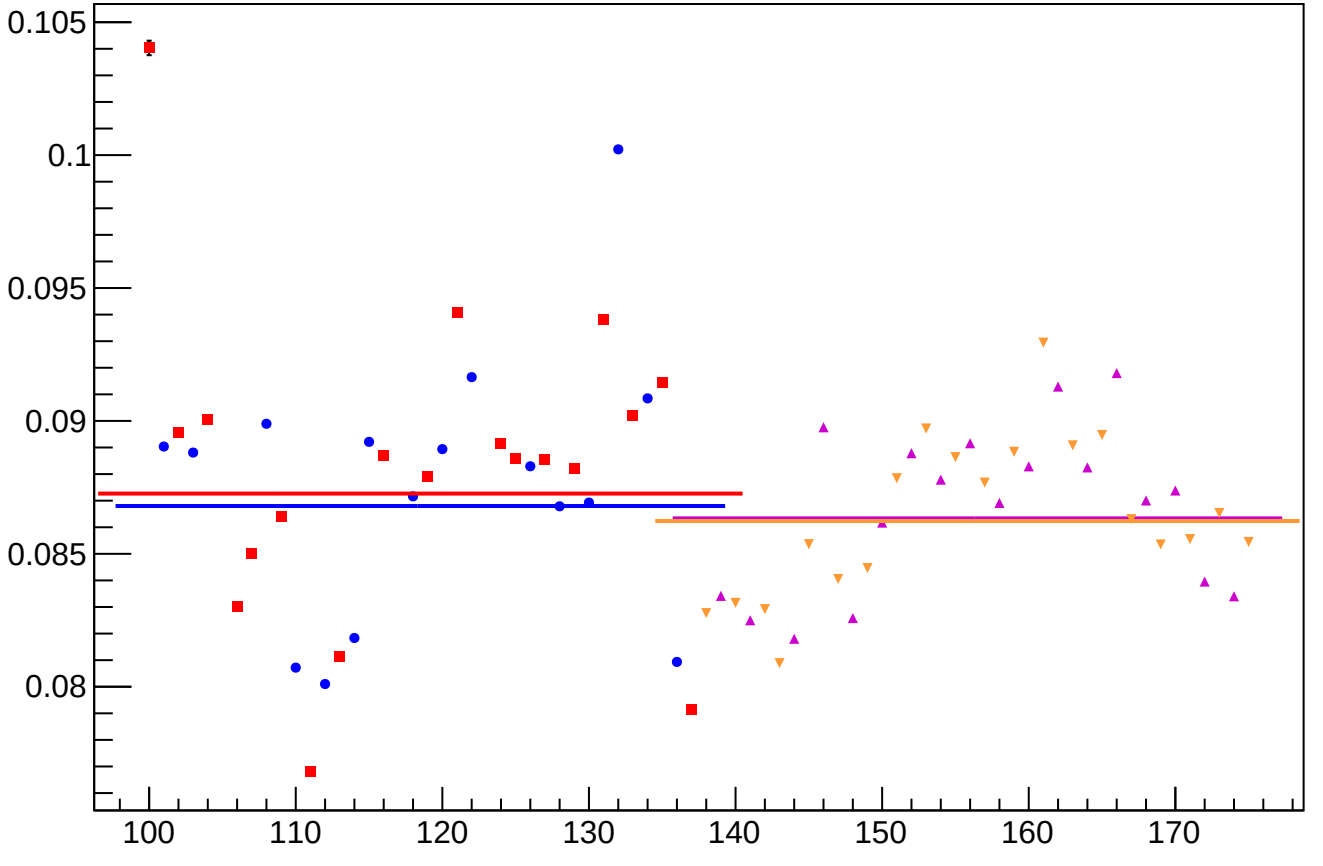
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.951+/-0.000 χ^2/NDF:1485694838.9/33

Out: -0.910+/-0.000 χ^2/NDF:1643561754.9/38

All: -0.930+/-0.000 χ^2/NDF: 3131777042.2/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33854.1/19

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:34652.3/17

Left: 0.086+/-0.000 χ^2/NDF: 68526.7/37

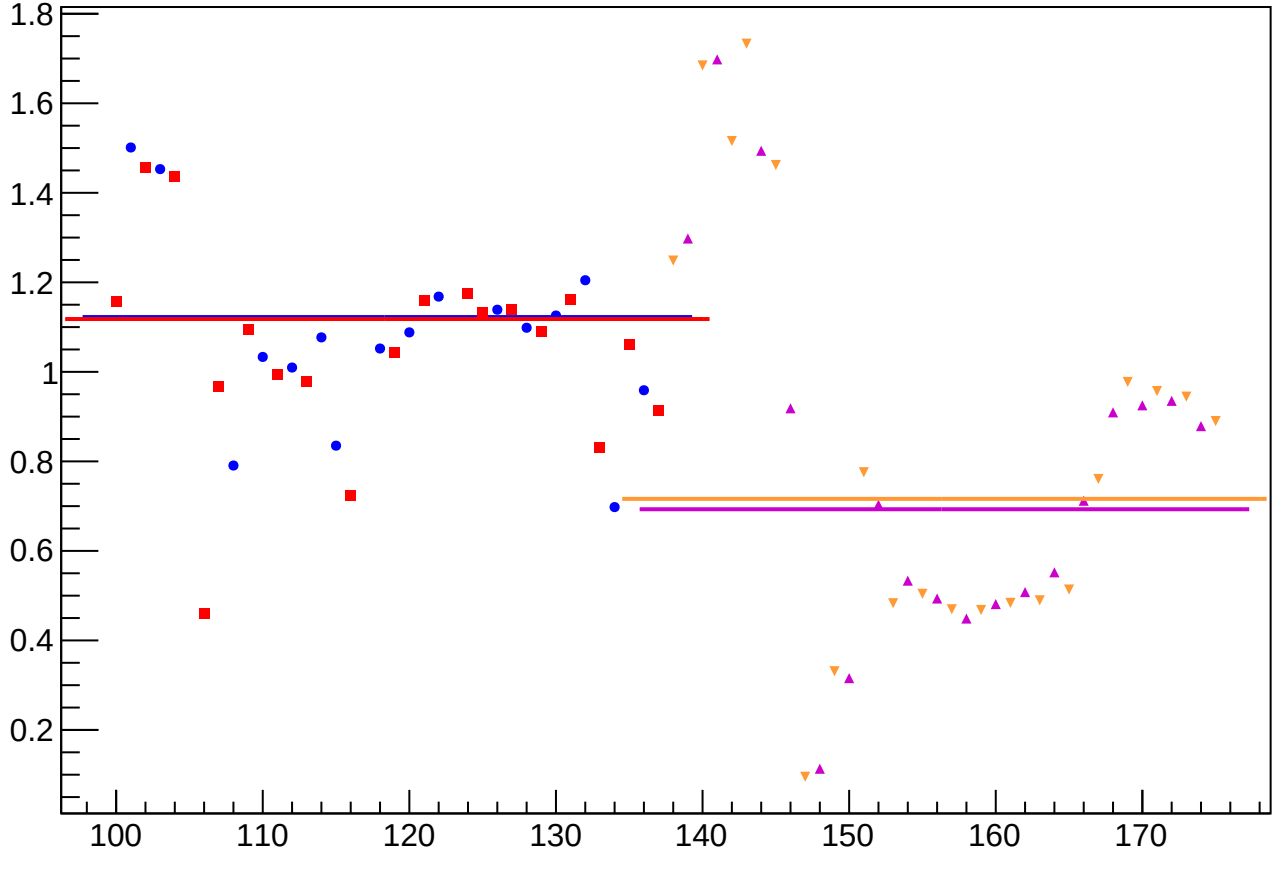
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:78505.3/33

Out: 0.087+/-0.000 χ^2/NDF:81442.2/38

All: 0.087+/-0.000 χ^2/NDF: 159964.5/72

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.716+/-0.000 χ^2/NDF:31279956276.8/19

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.693+/-0.000 χ^2/NDF:24254355633.6/17

Left: 0.705+/-0.000 χ^2/NDF: 55594220280.6/37

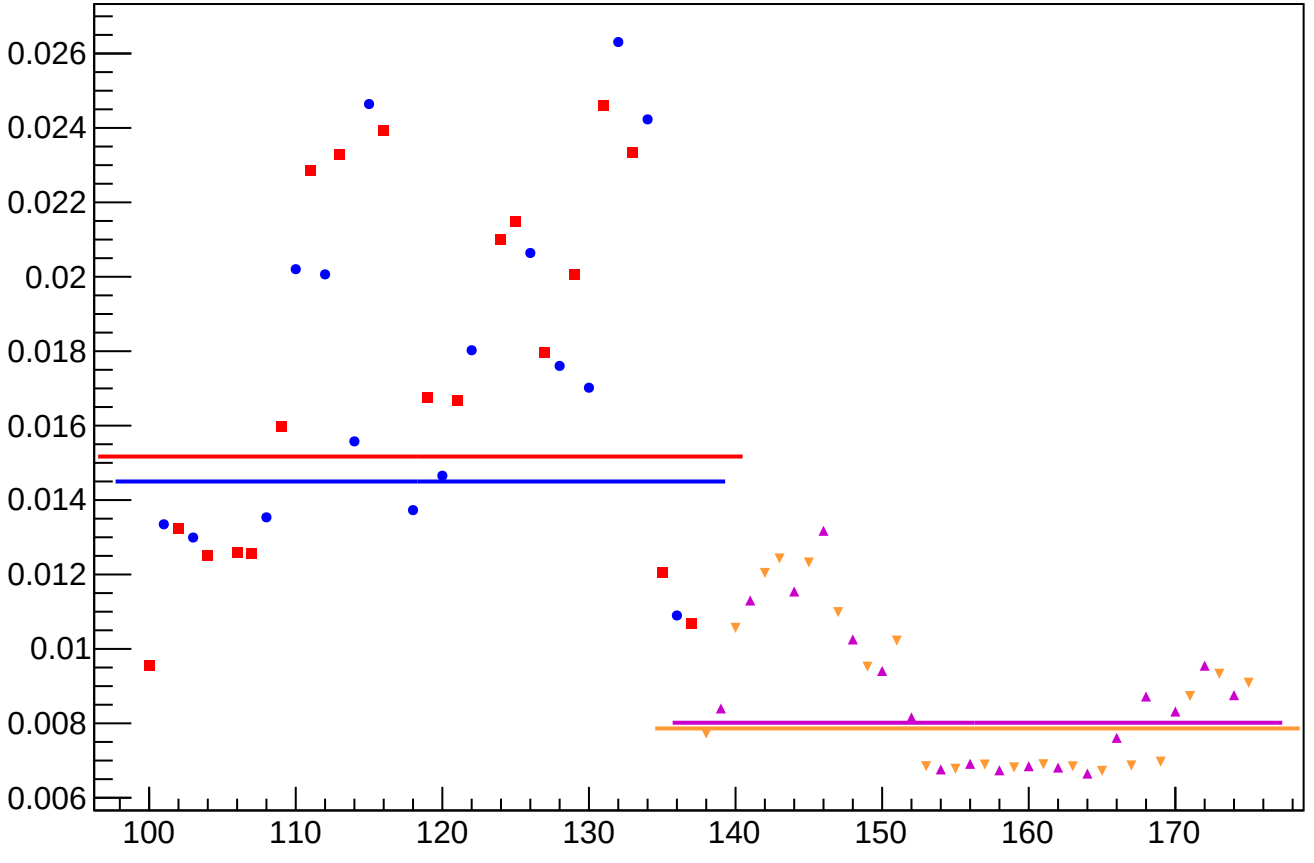
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.744+/-0.000 χ^2/NDF:30323193990.0/33

Out: 0.757+/-0.000 χ^2/NDF:36715642931.8/38

All: 0.751+/-0.000 χ^2/NDF: 67060623425.5/7

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1223747.3/19

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1007718.7/17

Left: 0.008+/-0.000 χ^2/NDF: 2236717.7/37

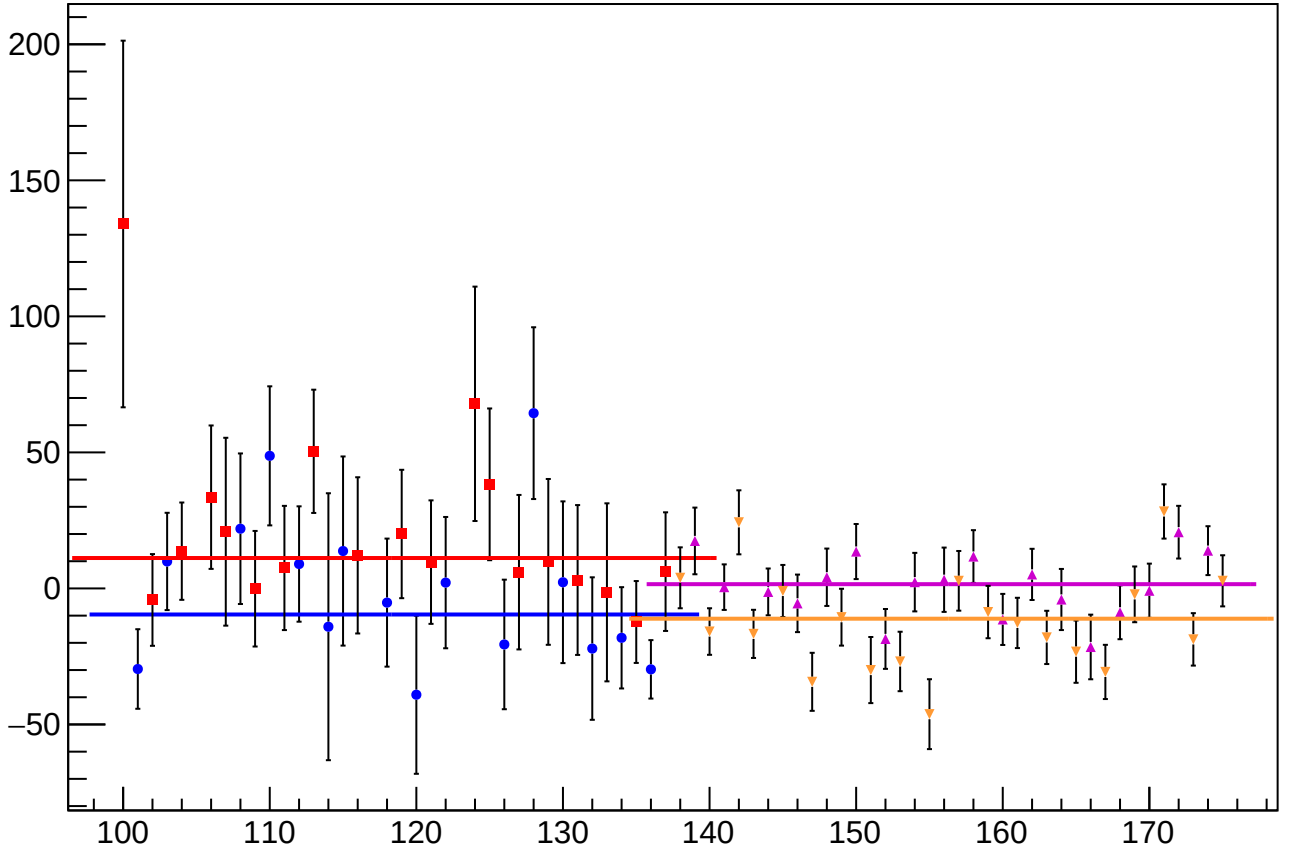
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3822689.5/33

Out: 0.009+/-0.000 χ^2/NDF:4645627.6/38

All: 0.009+/-0.000 χ^2/NDF: 8476293.5/72

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -11.129+/-2.280 χ^2/NDF:55.8/19

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.563+/-2.371 χ^2/NDF:21.2/17

Left: -5.031+/-1.644 χ^2/NDF: 91.8/37

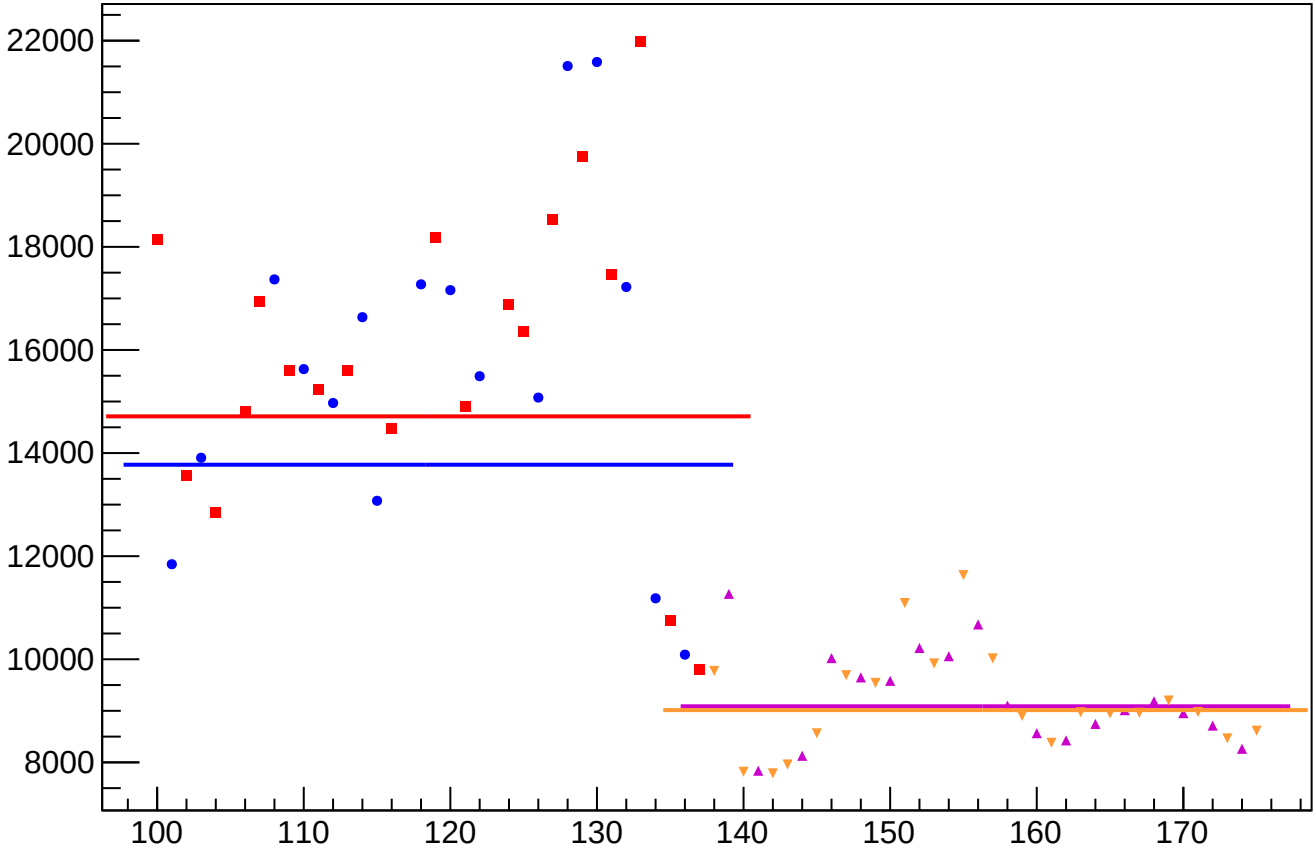
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.301+/-2.164 χ^2/NDF:46.8/33

Out: -7.854+/-2.106 χ^2/NDF:83.7/38

All: -4.180+/-1.509 χ^2/NDF: 136.7/72

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9013.726+/-1.612 χ^2/NDF:308641.5/19

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9087.872+/-1.677 χ^2/NDF:270839.5/17

Left: 9049.346+/-1.162 χ^2/NDF: 580497.1/37

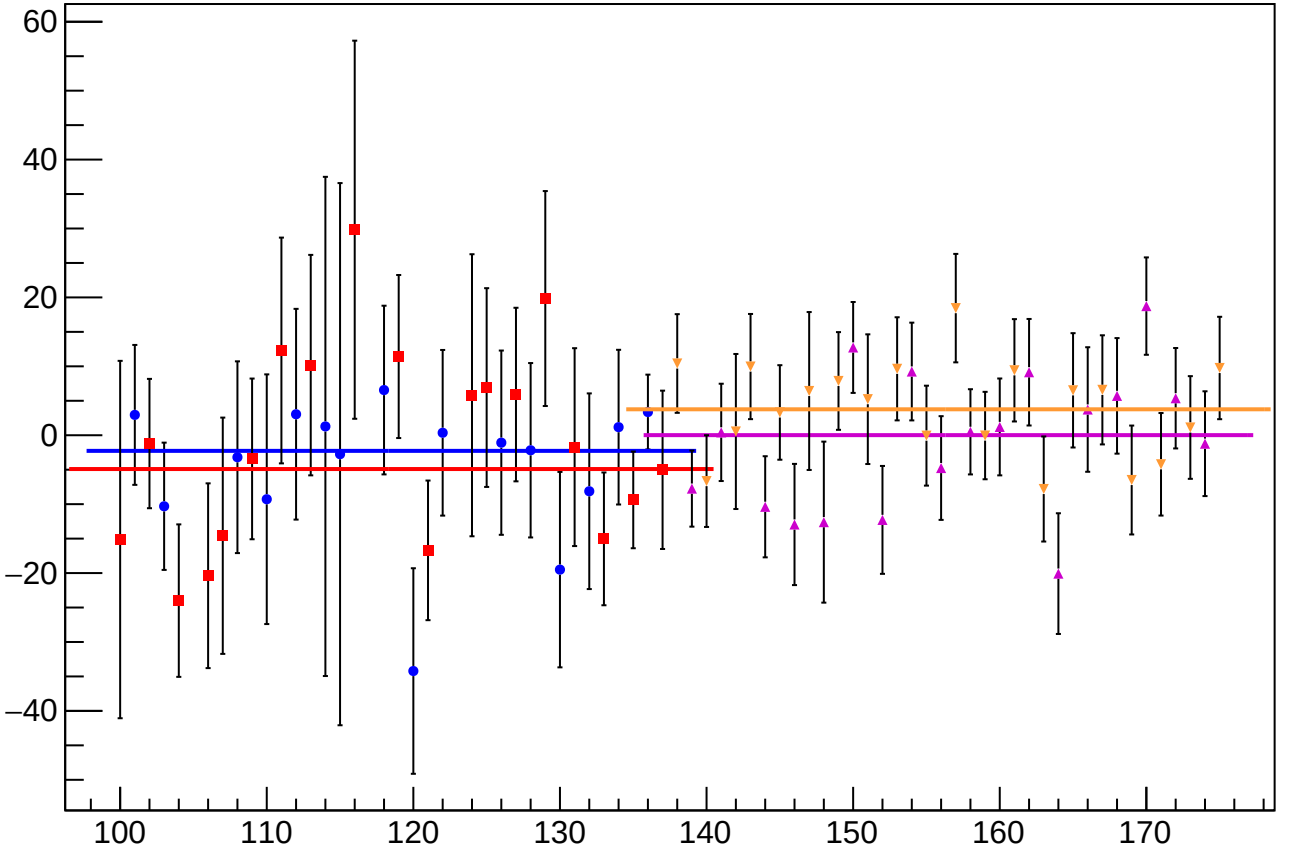
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9871.750+/-1.530 χ^2/NDF:2324933.8/33

Out: 9850.213+/-1.489 χ^2/NDF:2699632.7/38

All: 9860.690+/-1.067 χ^2/NDF: 5024668.2/72

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.765+/-1.712 χ^2/NDF:15.9/19

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.015+/-1.748 χ^2/NDF:30.5/17

Left: 1.928+/-1.223 χ^2/NDF: 48.8/37

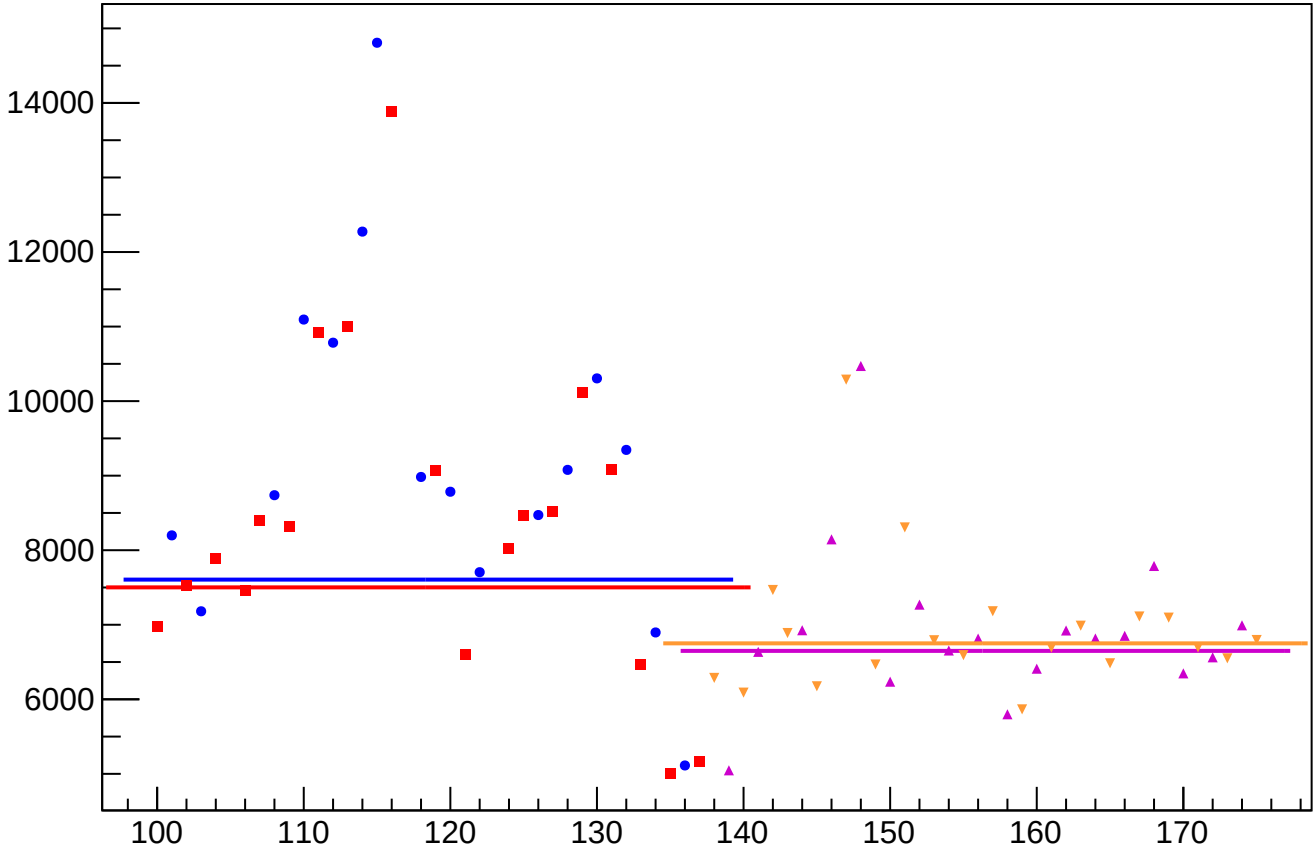
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.587+/-1.500 χ^2/NDF:40.3/33

Out: 1.449+/-1.466 χ^2/NDF:40.4/38

All: 0.455+/-1.048 χ^2/NDF: 81.6/72

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6750.566+/-1.211 χ^2/NDF:359187.5/19

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6649.471+/-1.236 χ^2/NDF:553878.2/17

Left: 6701.062+/-0.865 χ^2/NDF: 916480.4/37

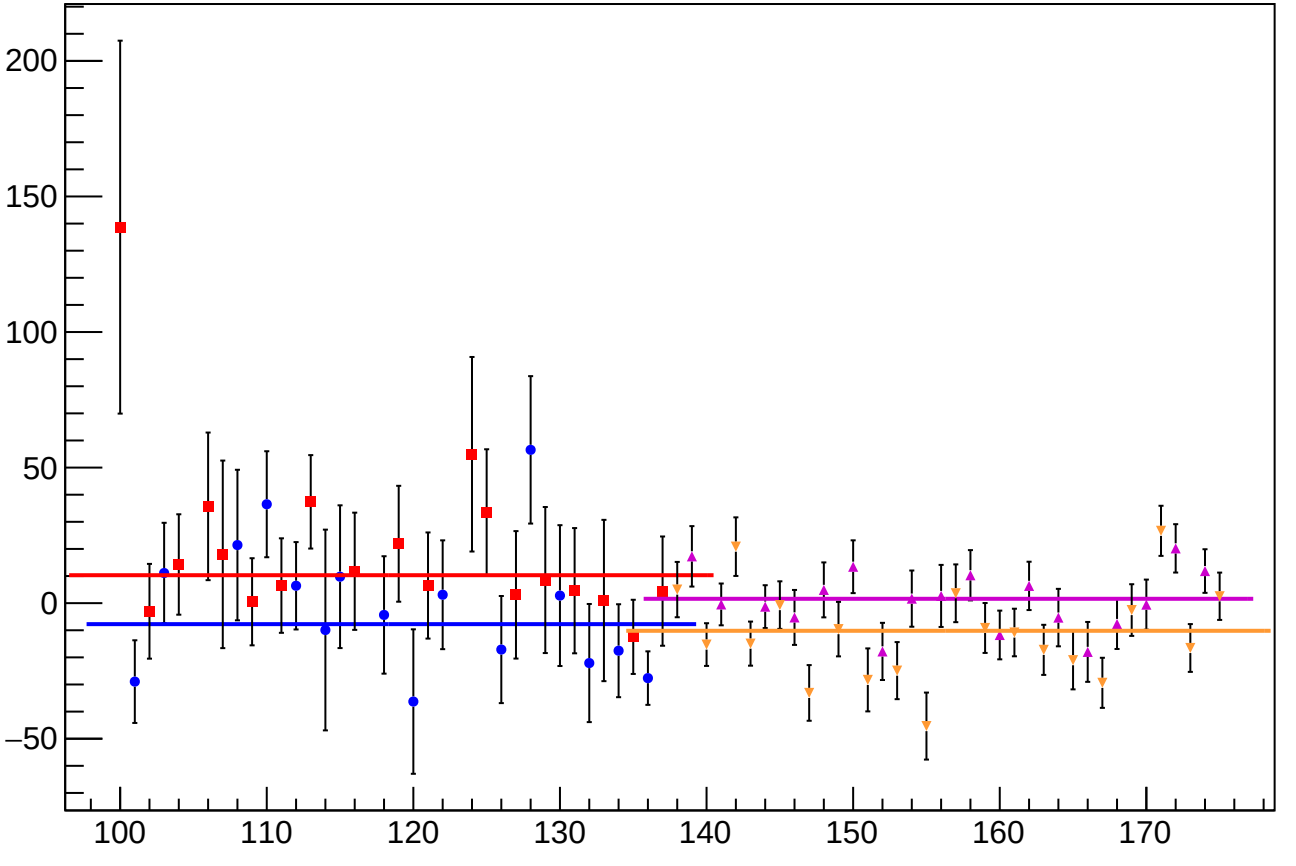
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6901.437+/-1.061 χ^2/NDF:1603117.1/33

Out: 6951.152+/-1.036 χ^2/NDF:1285524.7/38

All: 6926.869+/-0.741 χ^2/NDF: 2889765.7/72

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -10.195+/-2.136 χ^2/NDF:56.7/19

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.606+/-2.225 χ^2/NDF:21.6/17

Left: -4.534+/-1.541 χ^2/NDF: 92.9/37

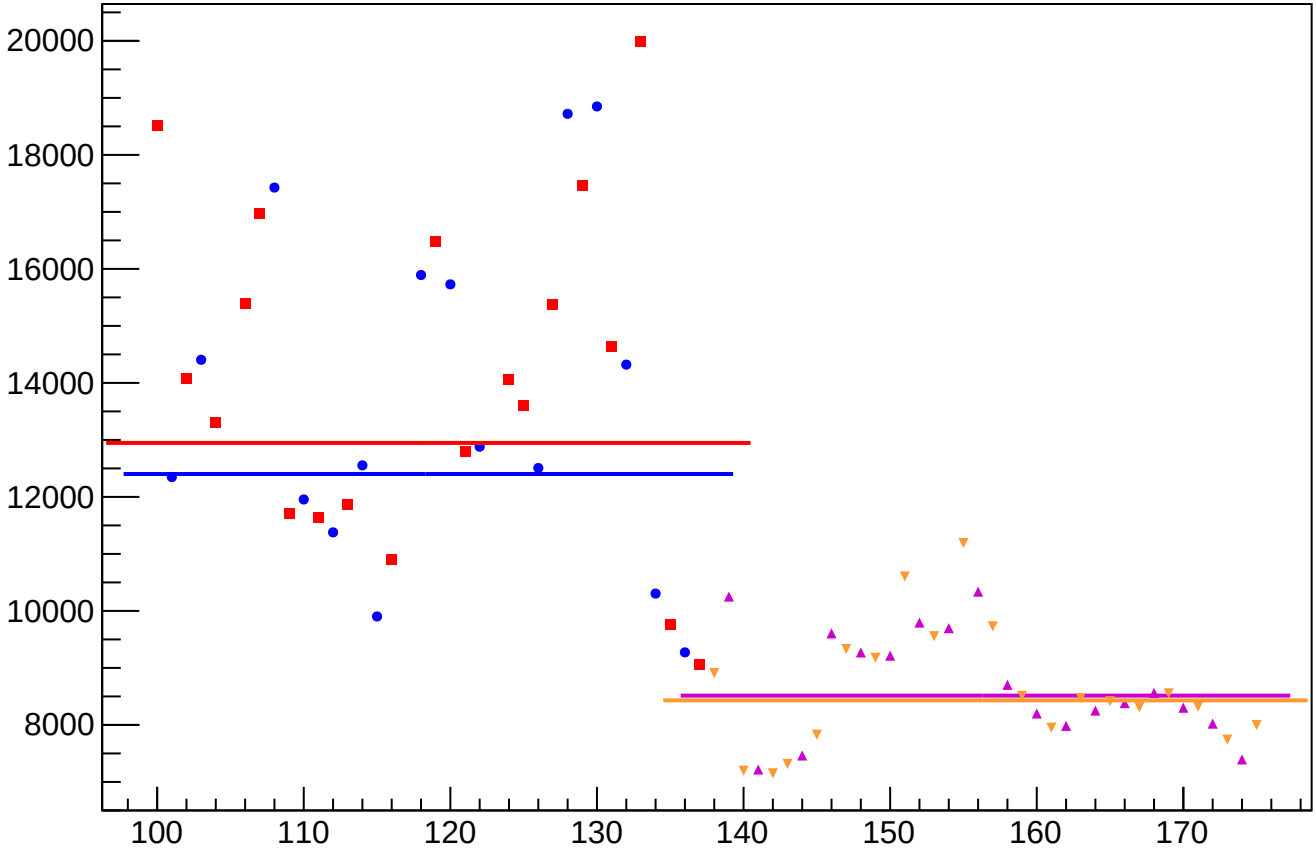
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.077+/-2.014 χ^2/NDF:47.5/33

Out: -6.852+/-1.954 χ^2/NDF:85.6/38

All: -3.567+/-1.403 χ^2/NDF: 138.9/72

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8430.552+/-1.510 χ^2/NDF:401477.1/19

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8514.400+/-1.573 χ^2/NDF:349465.6/17

Left: 8470.775+/-1.089 χ^2/NDF: 752421.1/37

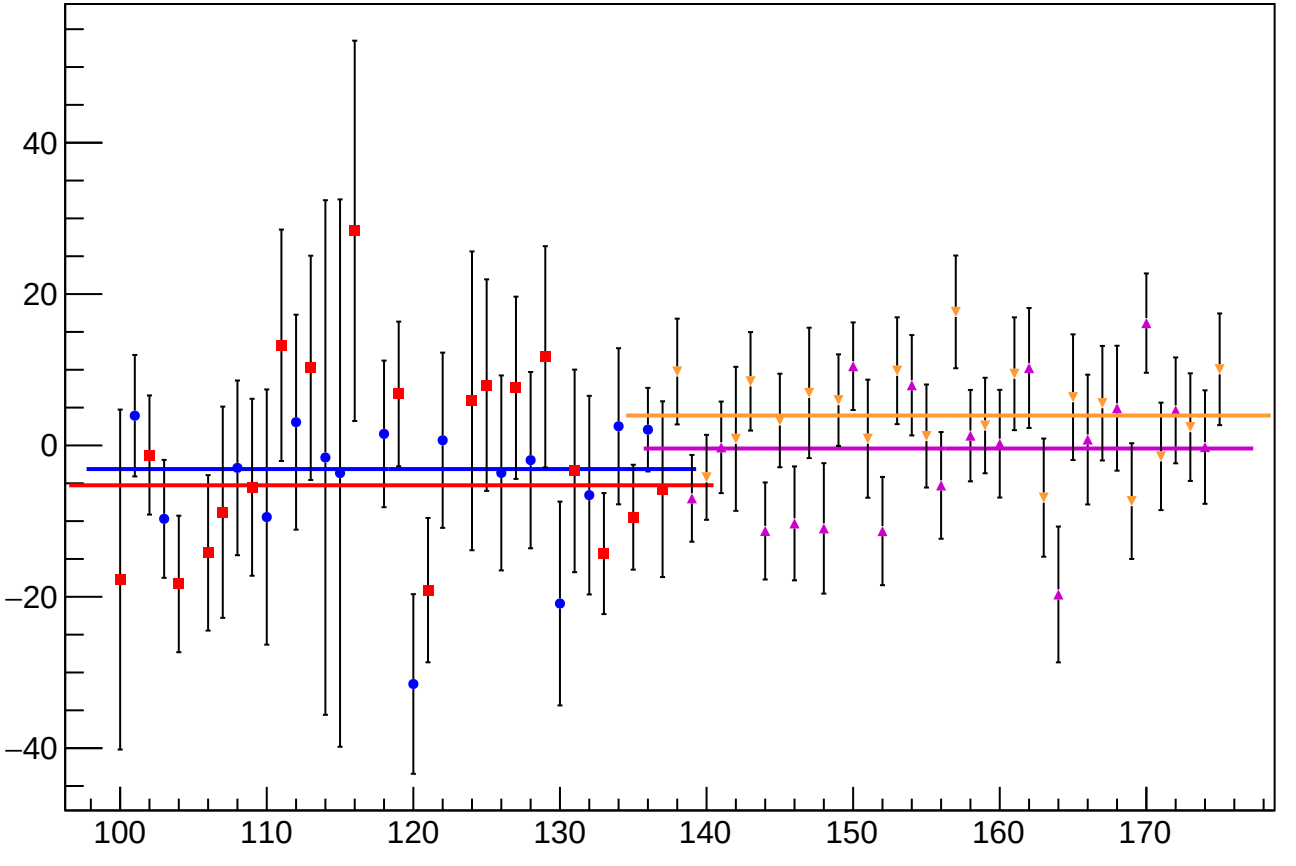
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9214.082+/-1.424 χ^2/NDF:2127061.4/33

Out: 9166.925+/-1.382 χ^2/NDF:2414623.1/38

All: 9189.788+/-0.992 χ^2/NDF: 4542249.2/72

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.955+/-1.588 χ^2/NDF:14.2/19

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.406+/-1.642 χ^2/NDF:29.2/17

Left: 1.848+/-1.142 χ^2/NDF: 47.0/37

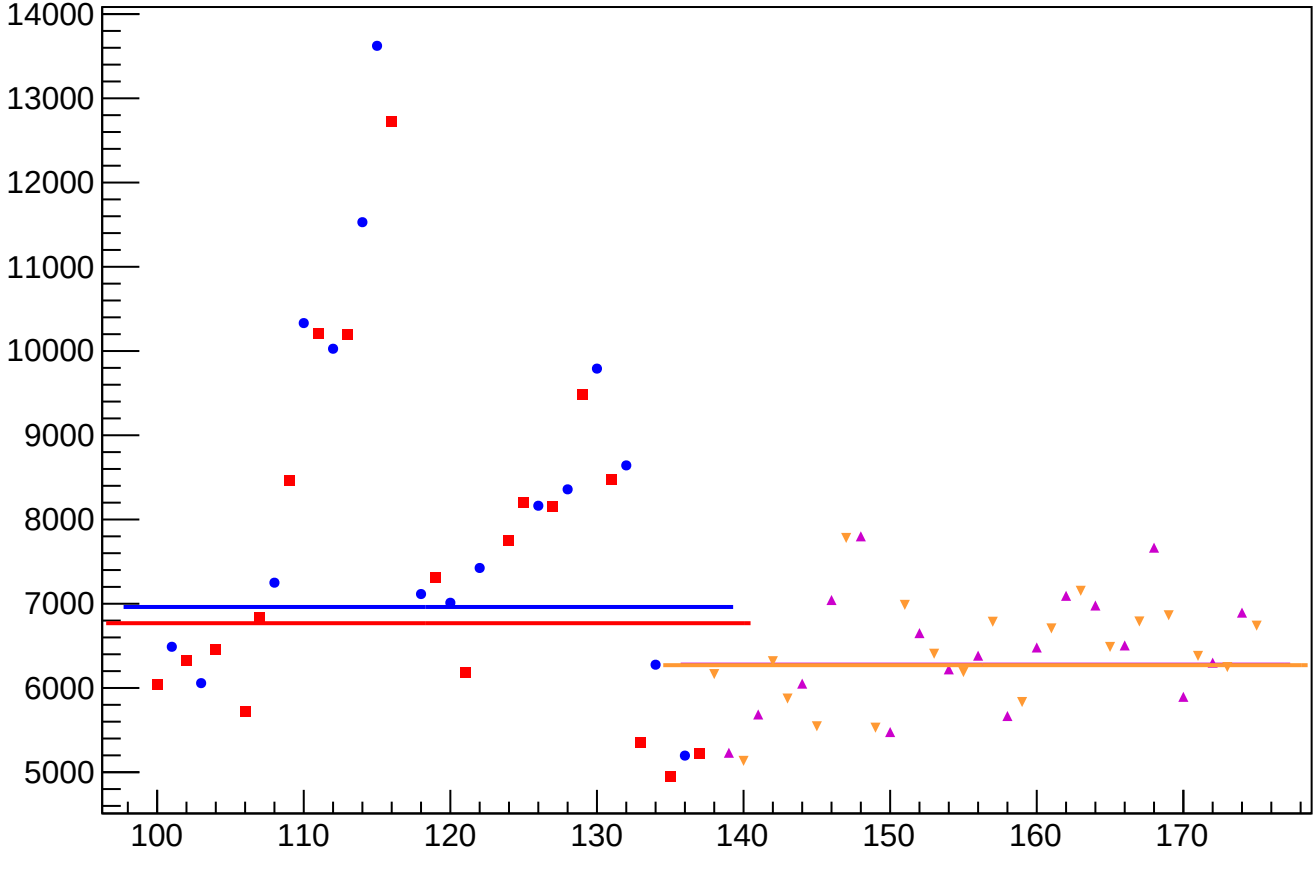
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.158+/-1.397 χ^2/NDF:40.8/33

Out: 1.383+/-1.348 χ^2/NDF:40.5/38

All: 0.158+/-0.970 χ^2/NDF: 83.1/72

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6270.746+/-1.123 χ^2/NDF:309875.5/19

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6277.226+/-1.161 χ^2/NDF:349651.7/17

Left: 6273.877+/-0.807 χ^2/NDF: 659543.2/37

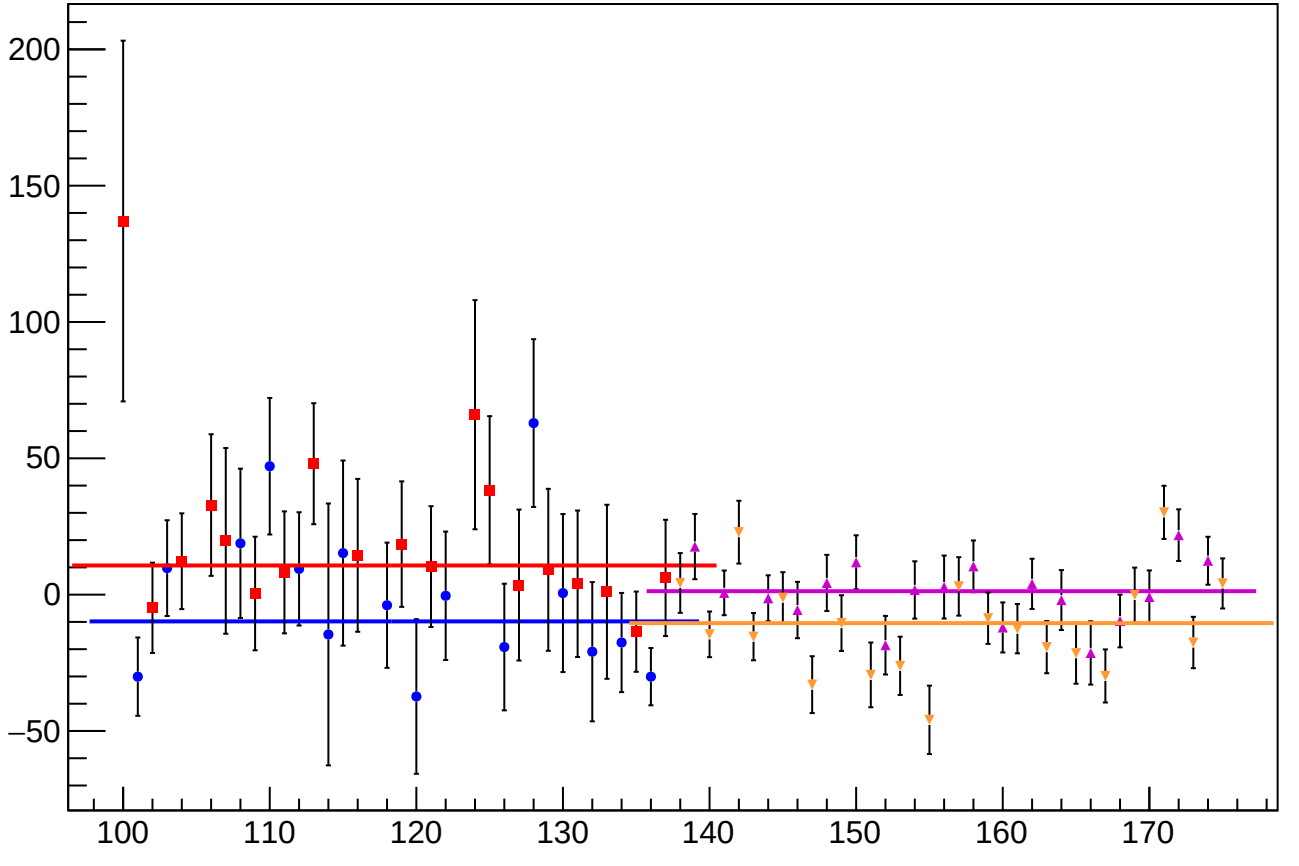
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6466.574+/-0.988 χ^2/NDF:1142137.6/33

Out: 6409.737+/-0.953 χ^2/NDF:1162904.2/38

All: 6437.153+/-0.686 χ^2/NDF: 2306755.7/72

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.453+/-2.230 χ^2/NDF:58.1/19

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.270+/-2.319 χ^2/NDF:21.7/17

Left: -4.821+/-1.607 χ^2/NDF: 93.1/37

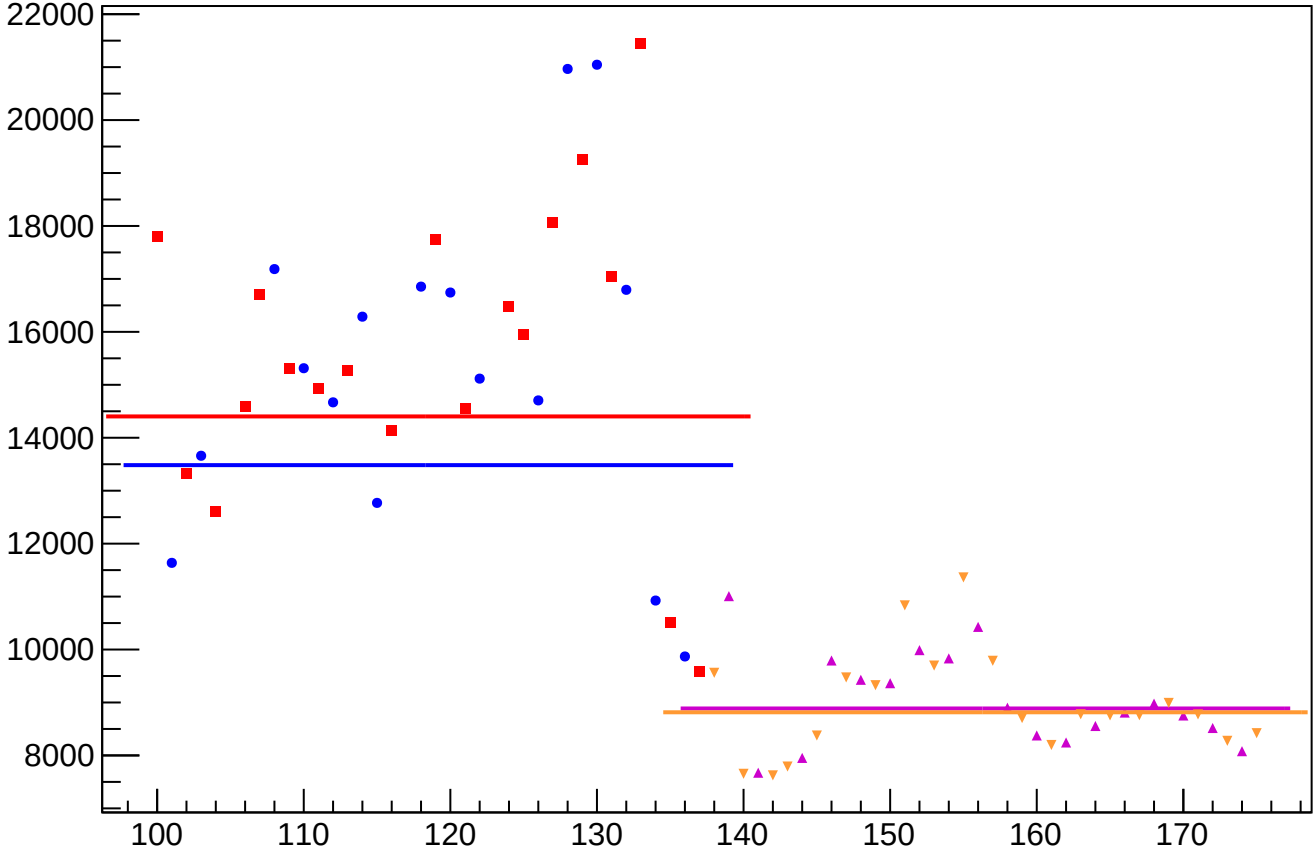
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -0.581+/-2.116 χ^2/NDF:47.6/33

Out: -7.352+/-2.060 χ^2/NDF:85.6/38

All: -4.058+/-1.476 χ^2/NDF: 138.5/72

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8814.910+/-1.577 χ^2/NDF:305637.8/19

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8886.565+/-1.639 χ^2/NDF:267939.3/17

Left: 8849.336+/-1.136 χ^2/NDF: 574569.5/37

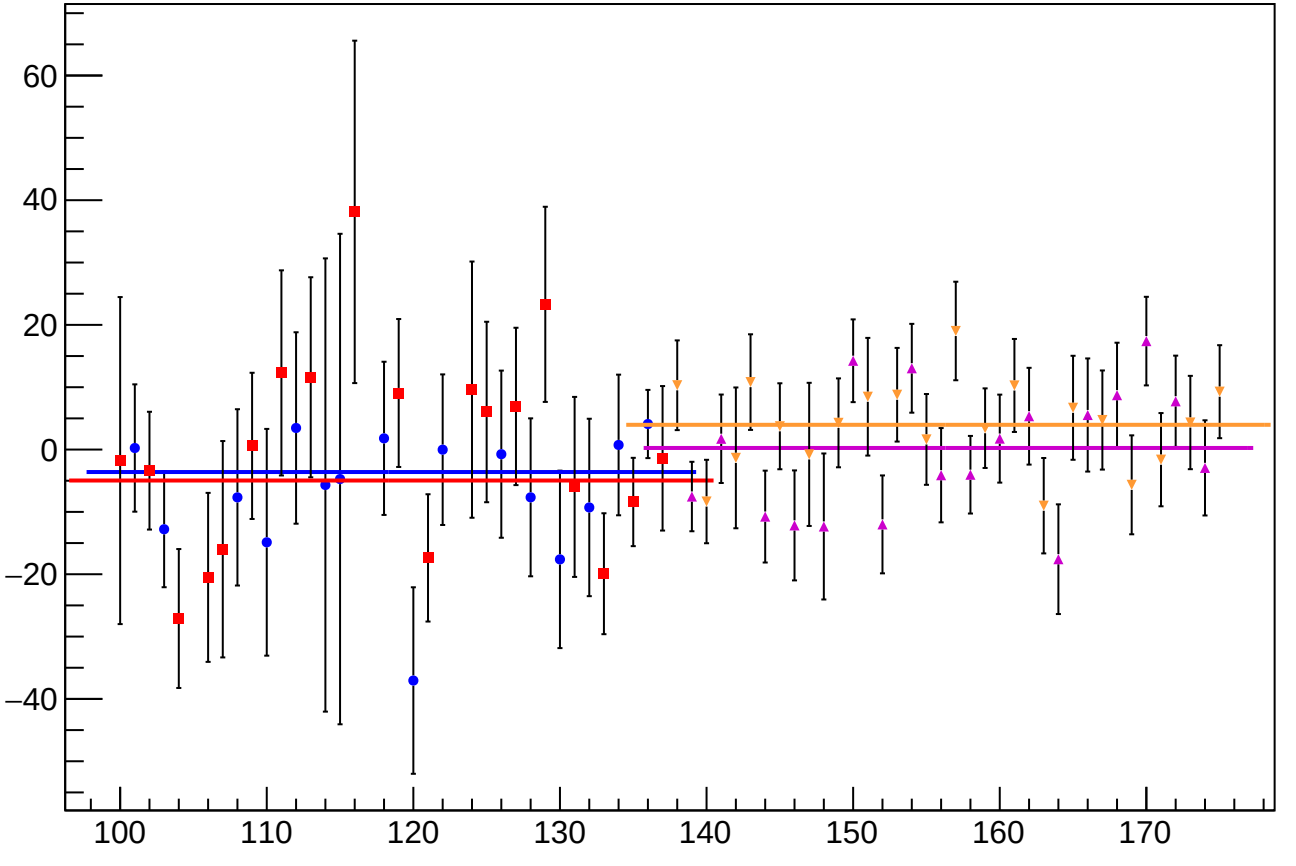
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9654.214+/-1.496 χ^2/NDF:2324305.8/33

Out: 9633.803+/-1.456 χ^2/NDF:2698942.0/38

All: 9643.733+/-1.044 χ^2/NDF: 5023343.4/72

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.970+/-1.720 χ^2/NDF:16.0/19

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.255+/-1.757 χ^2/NDF:31.3/17

Left: 2.151+/-1.229 χ^2/NDF: 49.5/37

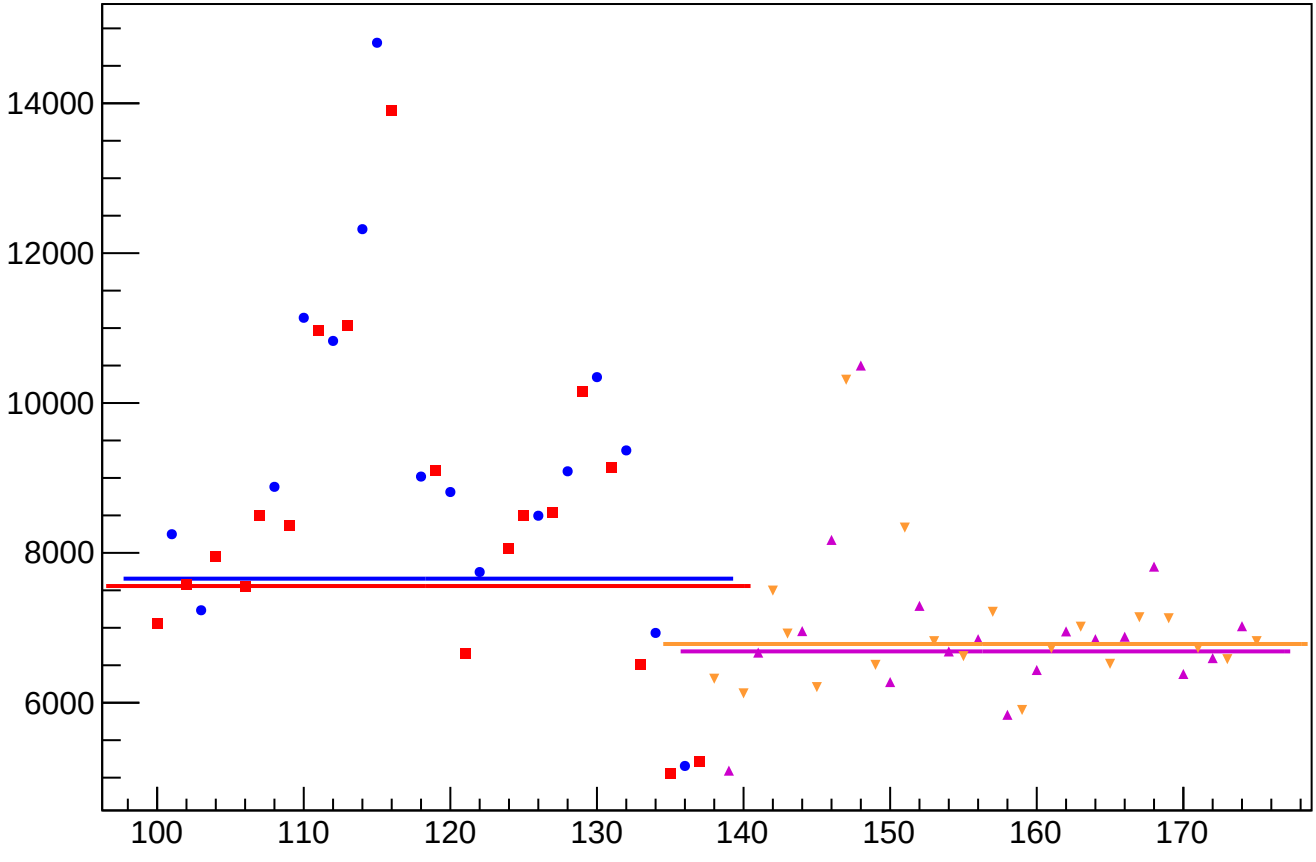
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.761+/-1.508 χ^2/NDF:43.0/33

Out: 1.590+/-1.474 χ^2/NDF:44.5/38

All: 0.442+/-1.054 χ^2/NDF: 88.8/72

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6783.902+/-1.216 χ^2/NDF:354530.0/19

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6685.038+/-1.242 χ^2/NDF:542985.8/17

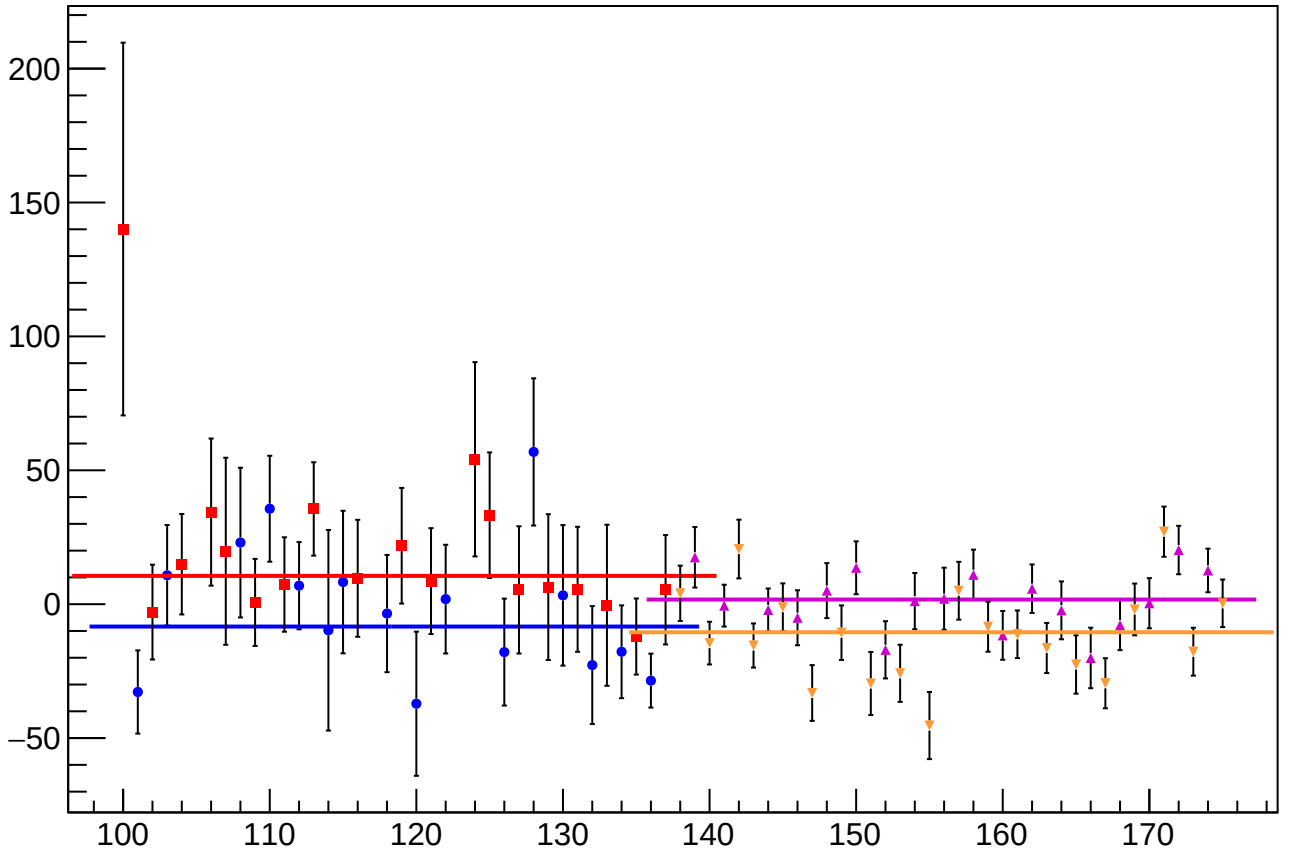
Left: 6735.506+/-0.869 χ^2/NDF: 900749.4/37

Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

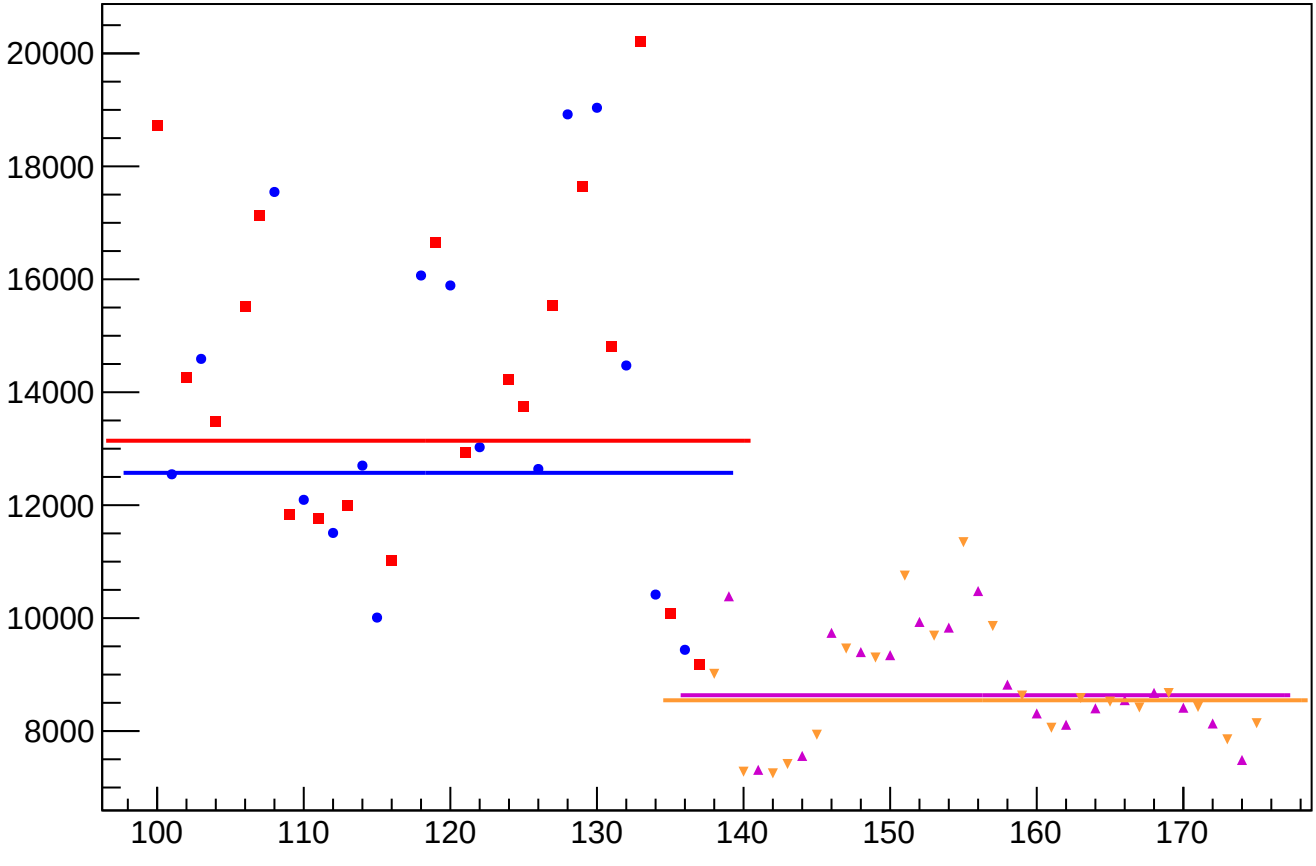
In: 6940.460+/-1.066 χ^2/NDF:1583460.8/33

Out: 6989.906+/-1.042 χ^2/NDF:1272095.7/38

All: 6965.755+/-0.745 χ^2/NDF: 2856656.5/72


diff_bpm4ecX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -8.352+/-4.814 χ²/NDF: 23.2/15
Left Out: -10.485+/-2.165 χ²/NDF:55.8/19
Right Out: 10.573+/-4.911 χ²/NDF: 12.9/18
Left In: 1.735+/-2.256 χ²/NDF:21.6/17
Left: -4.628+/-1.562 χ²/NDF: 92.6/37
Right: 0.922+/-3.438 χ²/NDF: 43.7/34
In: -0.082+/-2.043 χ²/NDF:48.4/33
Out: -7.058+/-1.981 χ²/NDF:84.1/38
All: -3.678+/-1.422 χ²/NDF: 138.5/72

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8544.880+/-1.531 χ^2/NDF:401993.4/19

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8634.431+/-1.596 χ^2/NDF:349935.6/17

Left: 8587.807+/-1.105 χ^2/NDF: 753569.1/37

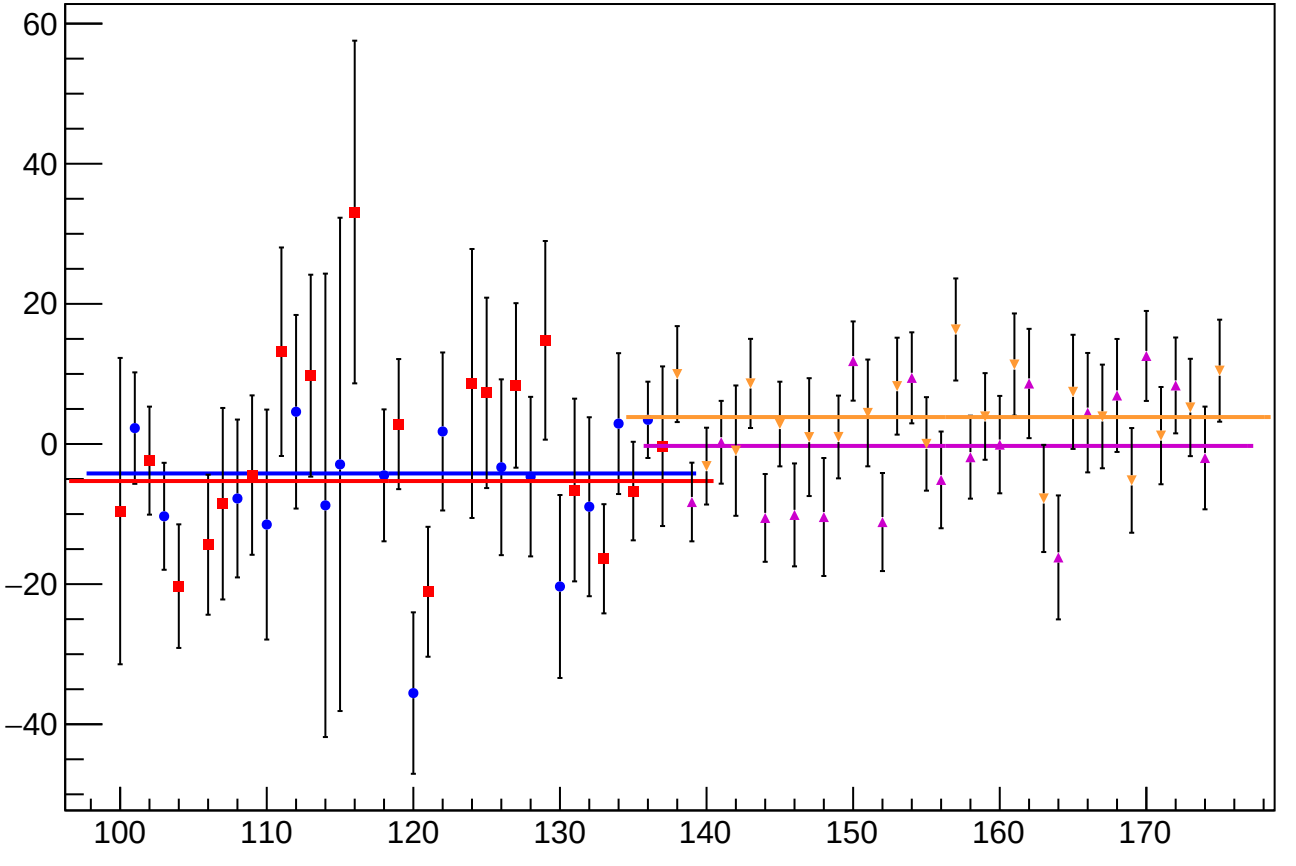
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9343.843+/-1.445 χ^2/NDF:2112425.7/33

Out: 9292.869+/-1.401 χ^2/NDF:2403606.3/38

All: 9317.571+/-1.006 χ^2/NDF: 4516673.6/72

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.845+/-1.554 χ^2/NDF:13.4/19

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.274+/-1.608 χ^2/NDF:29.1/17

Left: 1.856+/-1.117 χ^2/NDF: 45.8/37

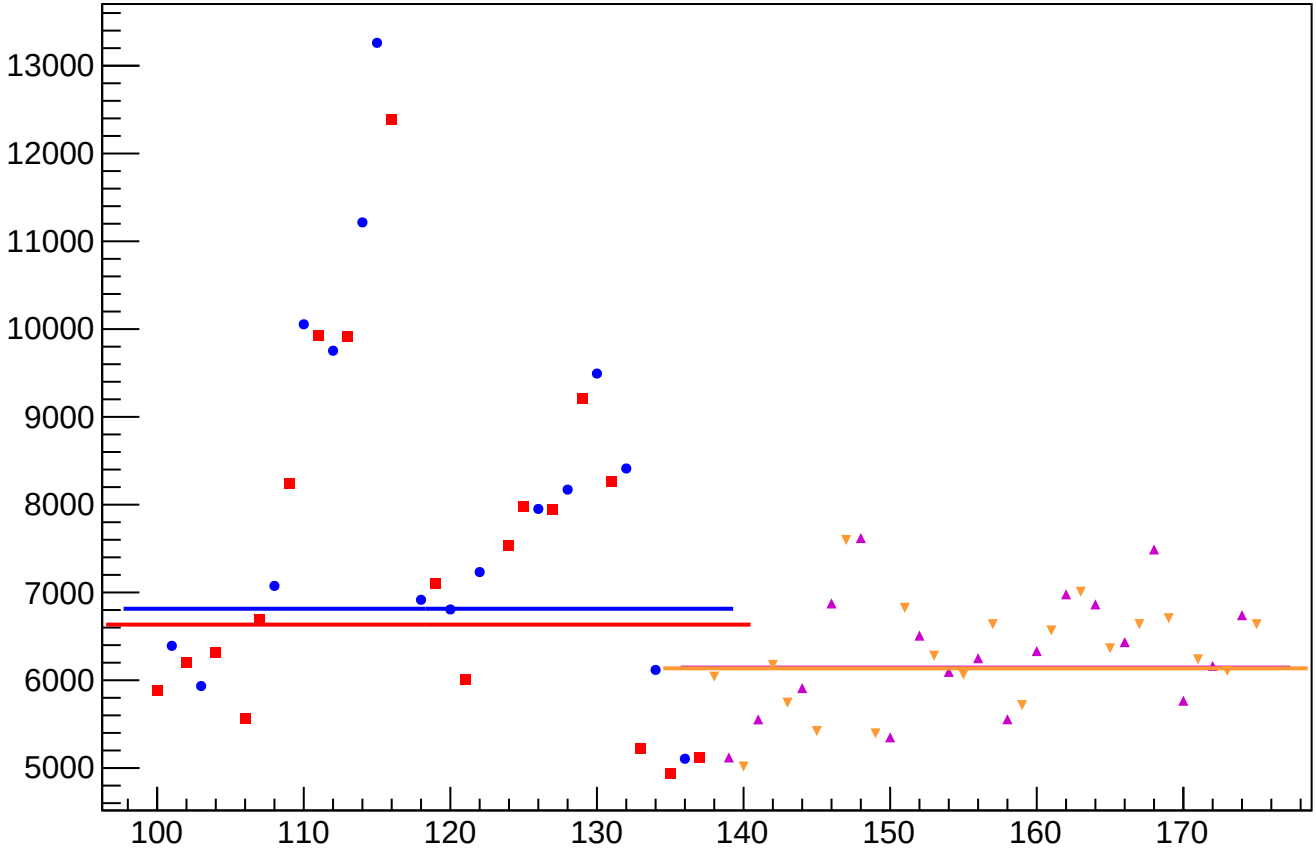
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.361+/-1.368 χ^2/NDF:44.6/33

Out: 1.303+/-1.320 χ^2/NDF:42.7/38

All: 0.018+/-0.950 χ^2/NDF: 89.3/72

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6135.642+/-1.099 χ^2/NDF:312815.7/19

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6143.988+/-1.137 χ^2/NDF:351475.8/17

Left: 6139.672+/-0.790 χ^2/NDF: 664319.4/37

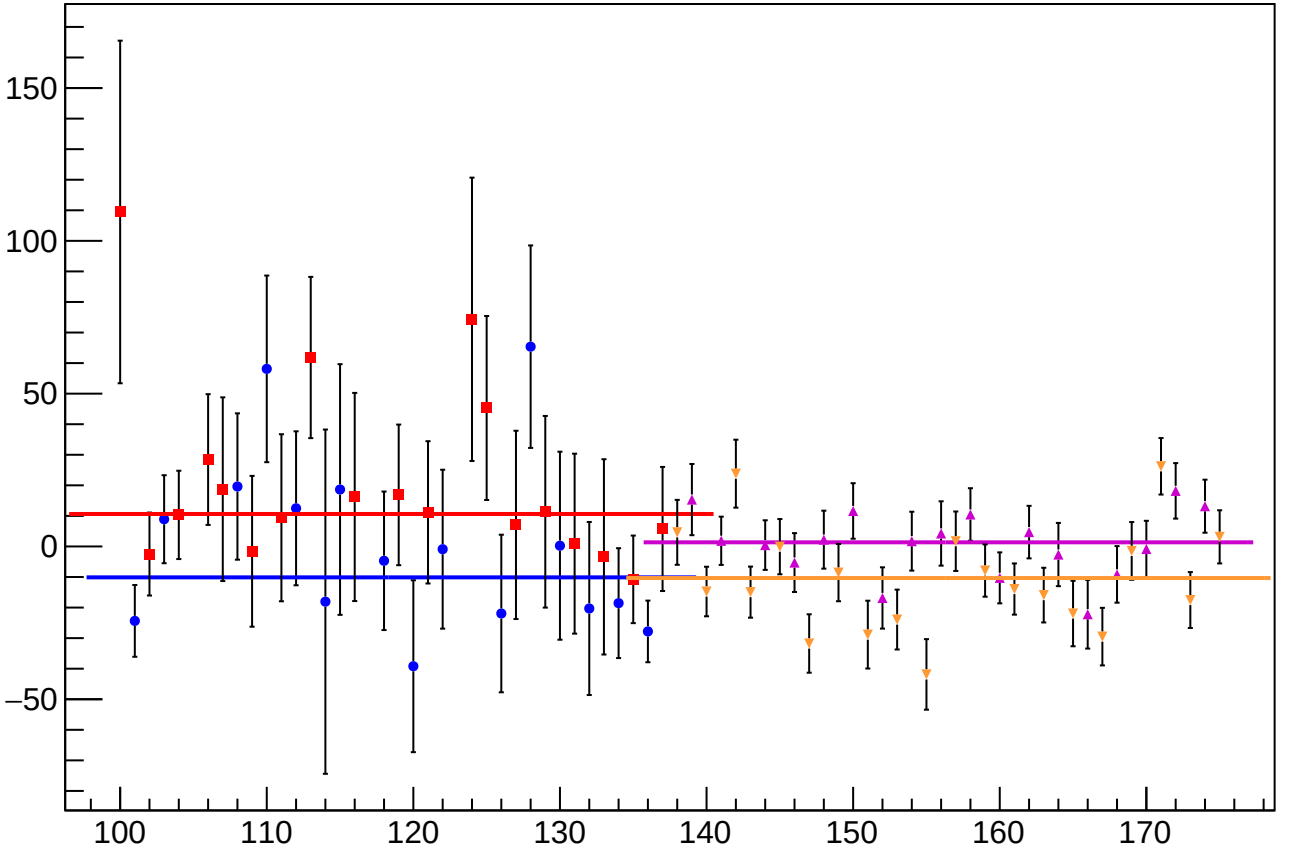
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6329.424+/-0.967 χ^2/NDF:1121696.2/33

Out: 6274.286+/-0.933 χ^2/NDF:1133352.8/38

All: 6300.878+/-0.672 χ^2/NDF: 2256731.9/72

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -10.335+/-2.103 χ^2/NDF:57.6/19

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.350+/-2.183 χ^2/NDF:21.0/17

Left: -4.710+/-1.514 χ^2/NDF: 93.4/37

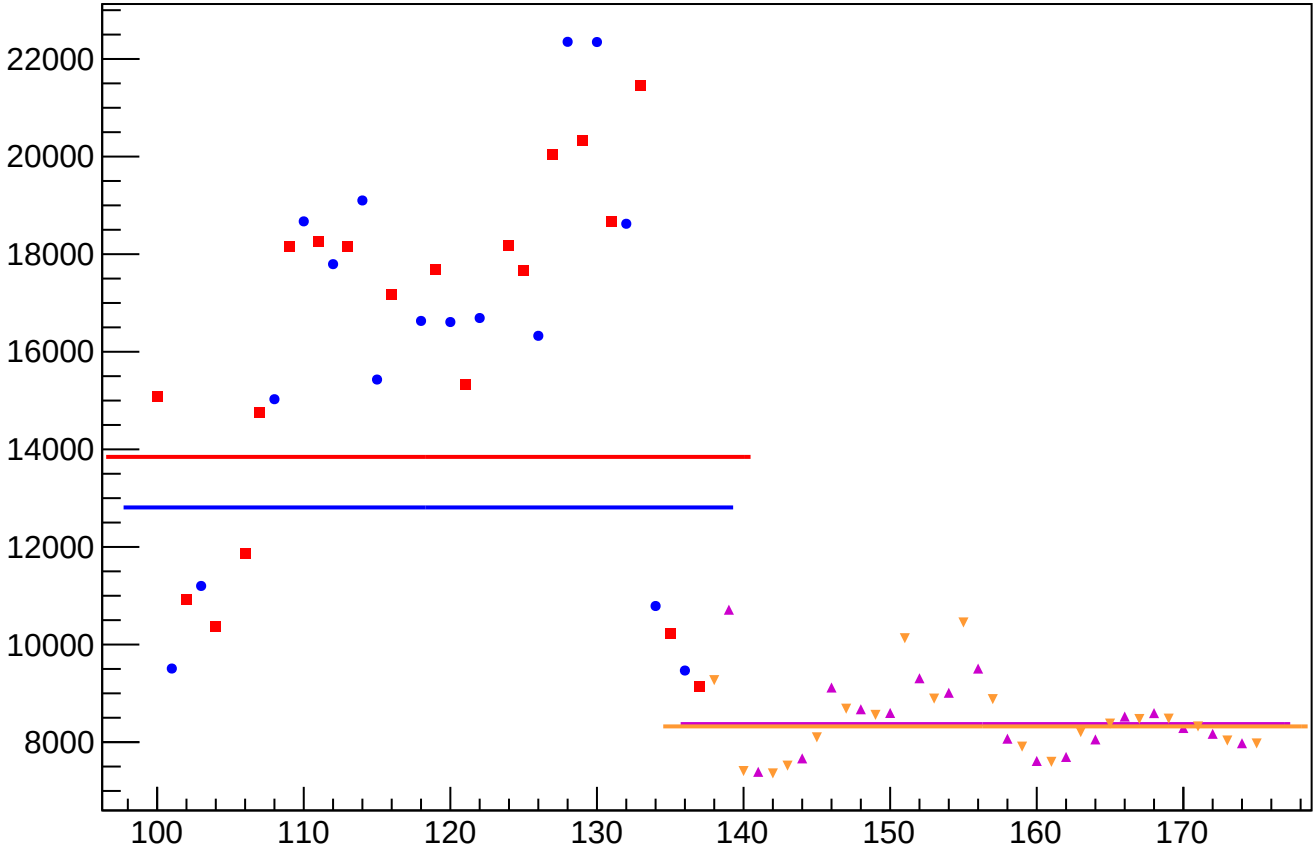
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.475+/-2.002 χ^2/NDF:46.6/33

Out: -7.462+/-1.953 χ^2/NDF:85.9/38

All: -4.054+/-1.398 χ^2/NDF: 138.8/72

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8322.570+/-1.487 χ^2/NDF:241229.0/19

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8370.339+/-1.543 χ^2/NDF:231590.4/17

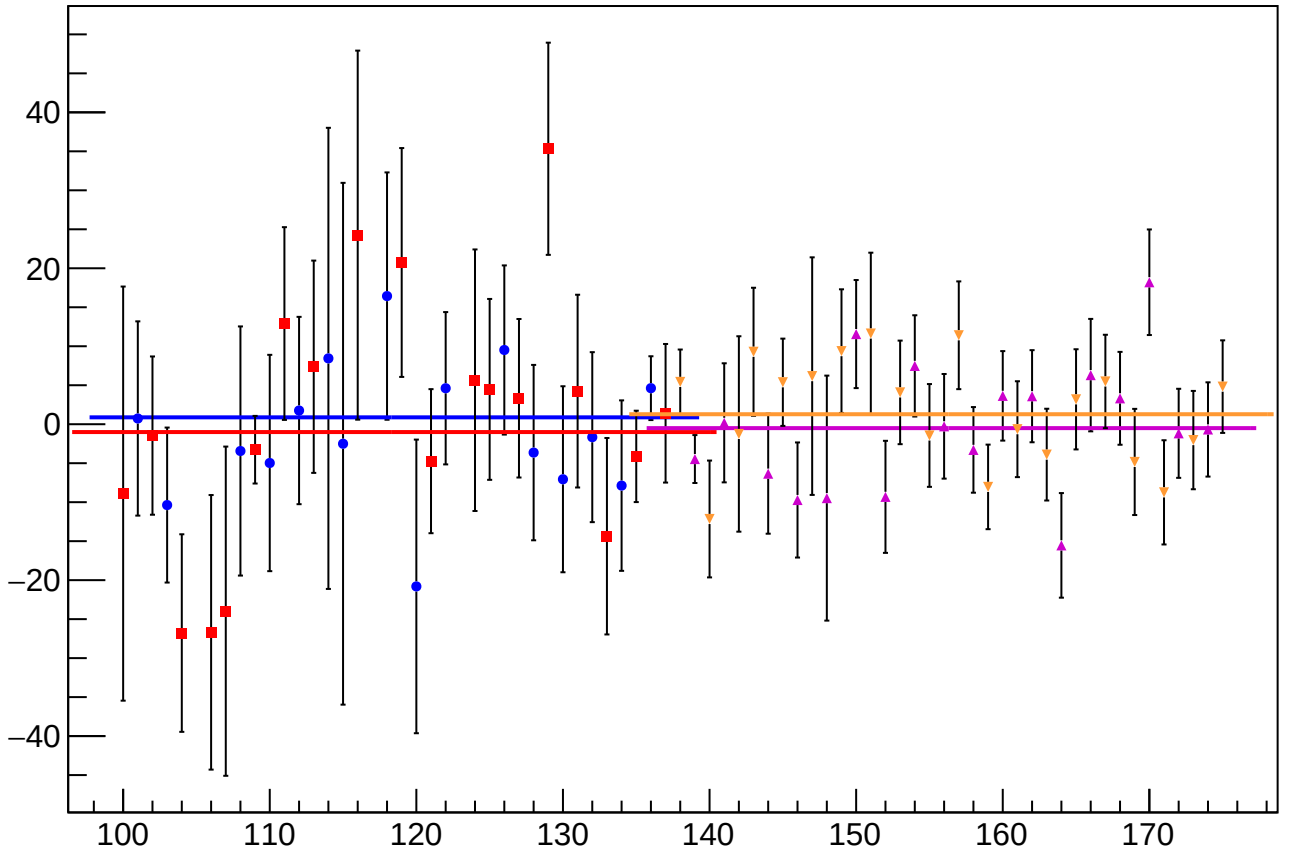
Left: 8345.563+/-1.071 χ^2/NDF: 473316.2/37

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9076.910+/-1.415 χ^2/NDF:2796621.8/33

Out: 9079.497+/-1.381 χ^2/NDF:3228619.6/38

All: 9078.235+/-0.989 χ^2/NDF: 6025243.1/72



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.281+/-1.468 χ^2/NDF:18.5/19

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.501+/-1.428 χ^2/NDF:25.4/17

Left: 0.366+/-1.024 χ^2/NDF: 44.6/37

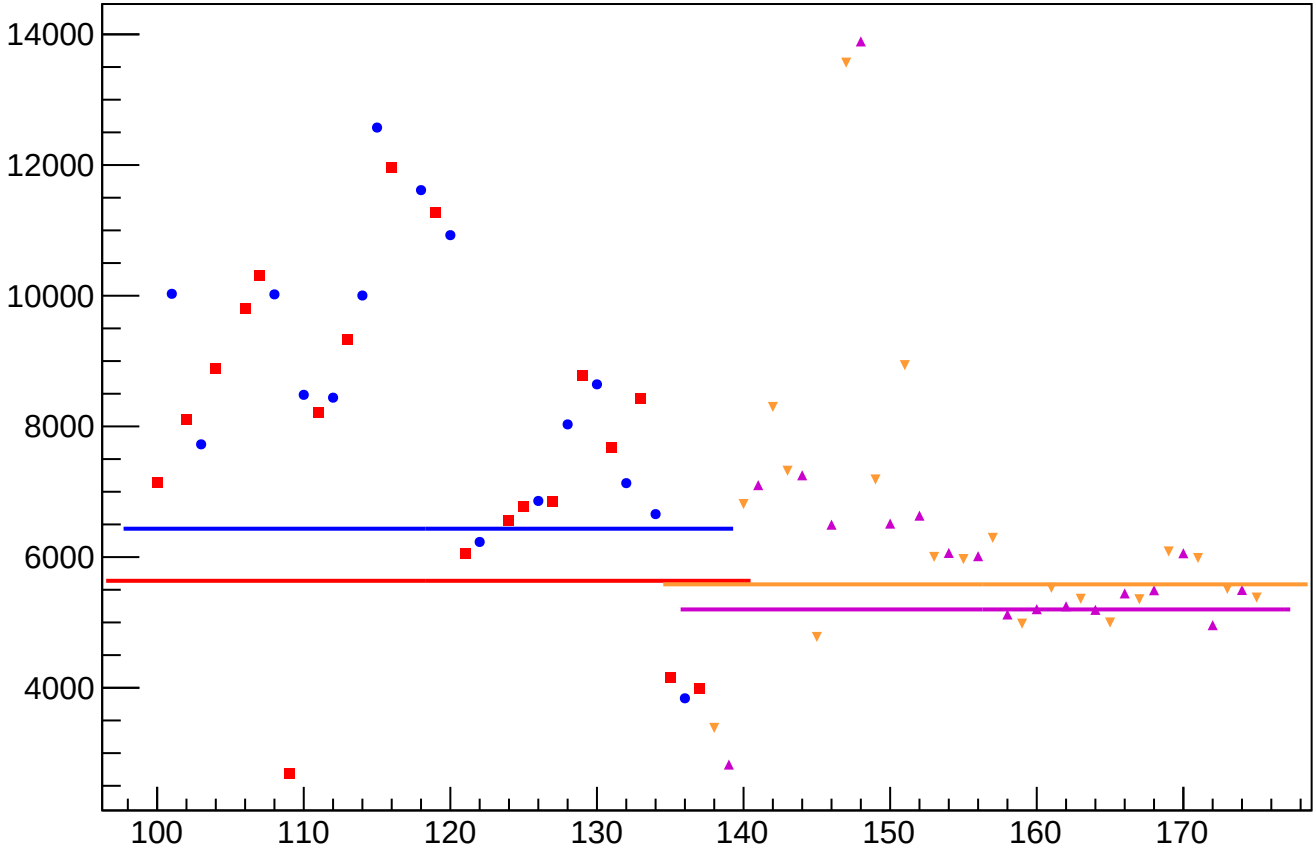
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.174+/-1.248 χ^2/NDF:32.5/33

Out: 0.625+/-1.240 χ^2/NDF:41.5/38

All: 0.228+/-0.880 χ^2/NDF: 74.1/72

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5582.976+/-1.038 χ^2/NDF:1782109.8/19

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5199.070+/-1.010 χ^2/NDF:2399274.6/17

Left: 5385.752+/-0.724 χ^2/NDF: 4251639.8/37

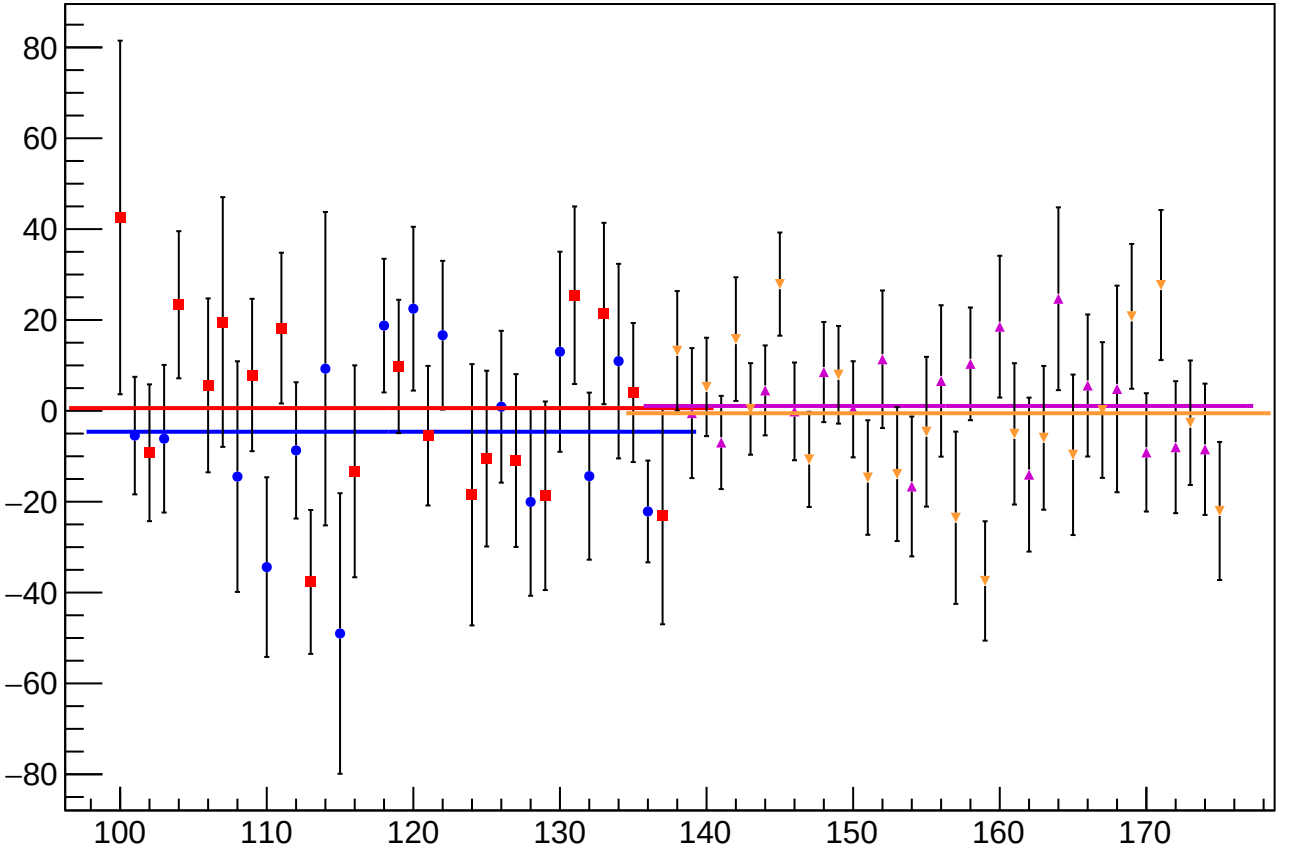
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5491.324+/-0.882 χ^2/NDF:4503841.5/33

Out: 5598.581+/-0.877 χ^2/NDF:4362910.6/38

All: 5545.314+/-0.622 χ^2/NDF: 8874187.6/72

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.527+/-2.997 χ^2/NDF:29.4/19

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.072+/-3.153 χ^2/NDF:8.6/17

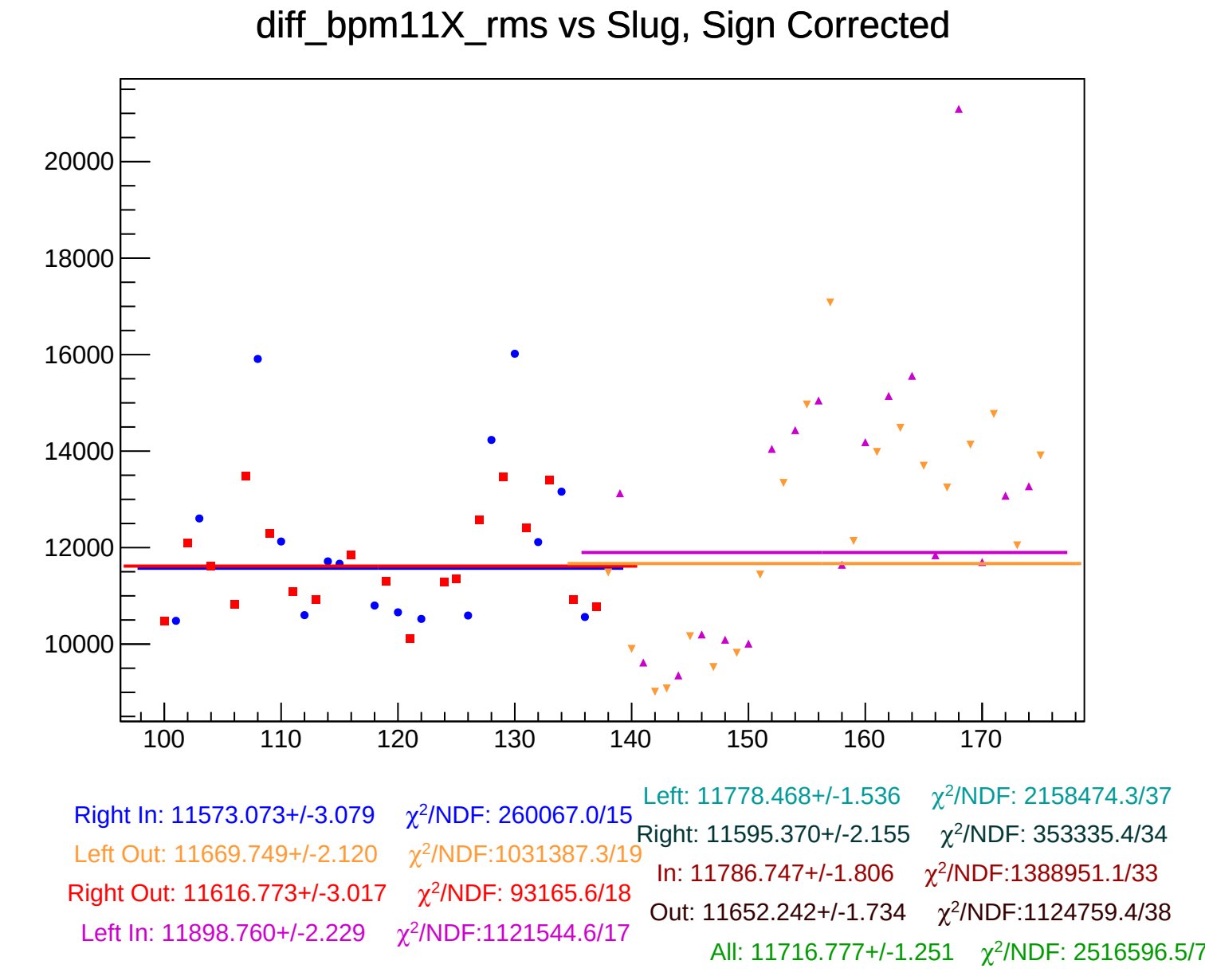
Left: 0.232+/-2.172 χ^2/NDF: 38.2/37

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

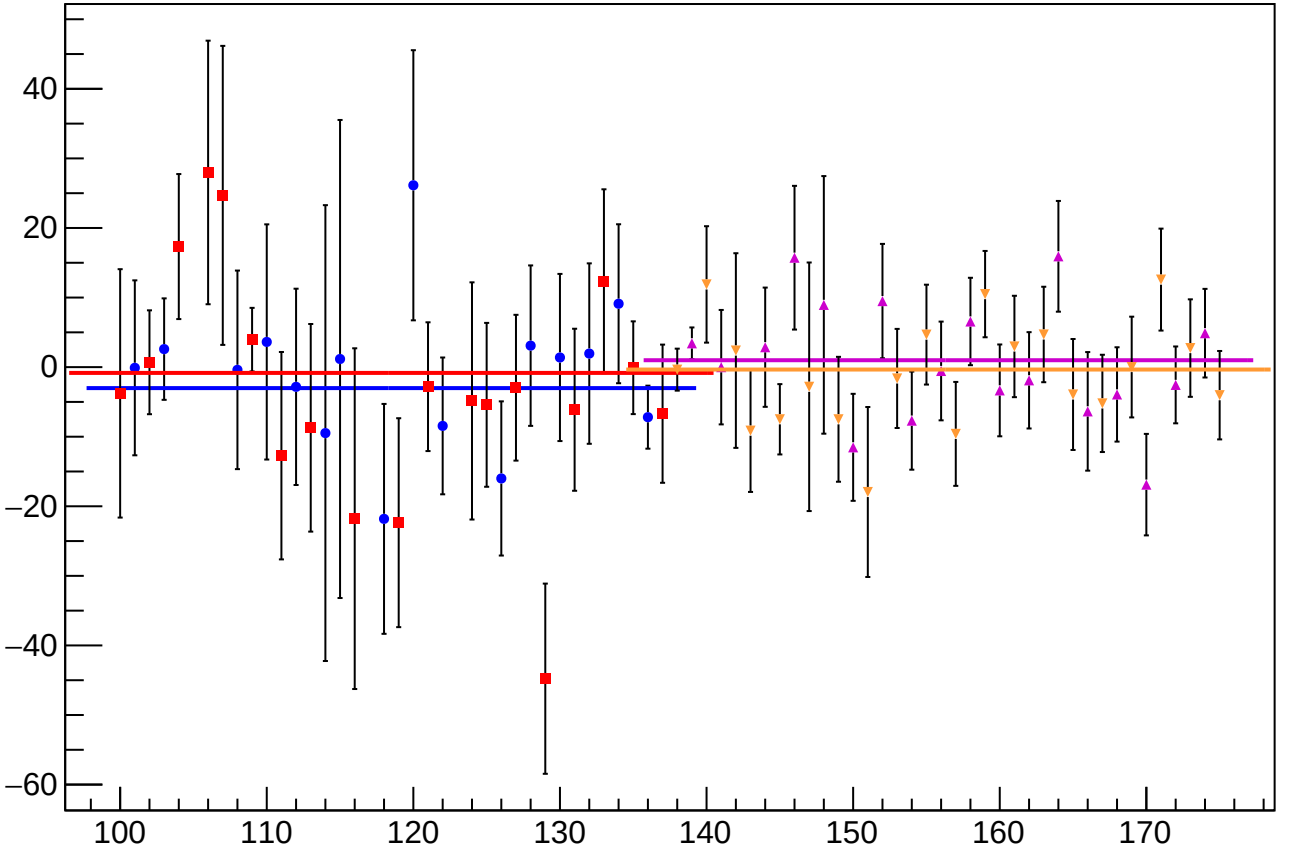
In: -0.879+/-2.554 χ^2/NDF:25.5/33

Out: -0.155+/-2.453 χ^2/NDF:47.3/38

All: -0.502+/-1.769 χ^2/NDF: 72.9/72


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11669.749+/-2.120 χ²/NDF:1031387.3/19
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11898.760+/-2.229 χ²/NDF:1121544.6/17
Left: 11778.468+/-1.536 χ²/NDF: 2158474.3/37
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11786.747+/-1.806 χ²/NDF:1388951.1/33
Out: 11652.242+/-1.734 χ²/NDF:1124759.4/38
All: 11716.777+/-1.251 χ²/NDF: 2516596.5/7

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.346+/-1.498 χ^2/NDF:18.1/19

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.993+/-1.412 χ^2/NDF:21.7/17

Left: 0.363+/-1.028 χ^2/NDF: 40.2/37

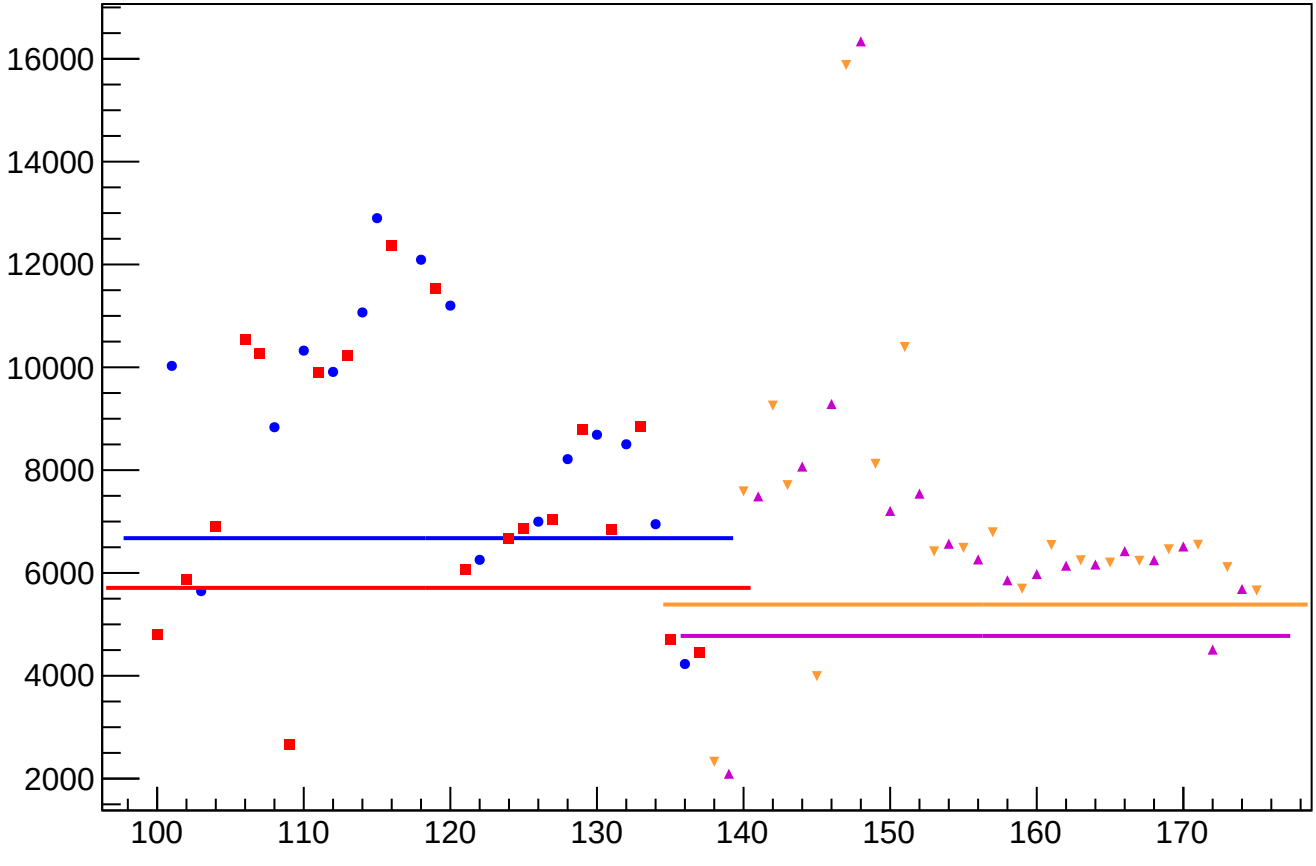
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.109+/-1.247 χ^2/NDF:32.1/33

Out: -0.486+/-1.263 χ^2/NDF:41.9/38

All: -0.184+/-0.887 χ^2/NDF: 74.2/72

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5385.918+/-1.059 χ^2/NDF:4265450.2/19

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4775.367+/-0.999 χ^2/NDF:5676374.4/17

Left: 5062.660+/-0.727 χ^2/NDF: 10117744.0/37

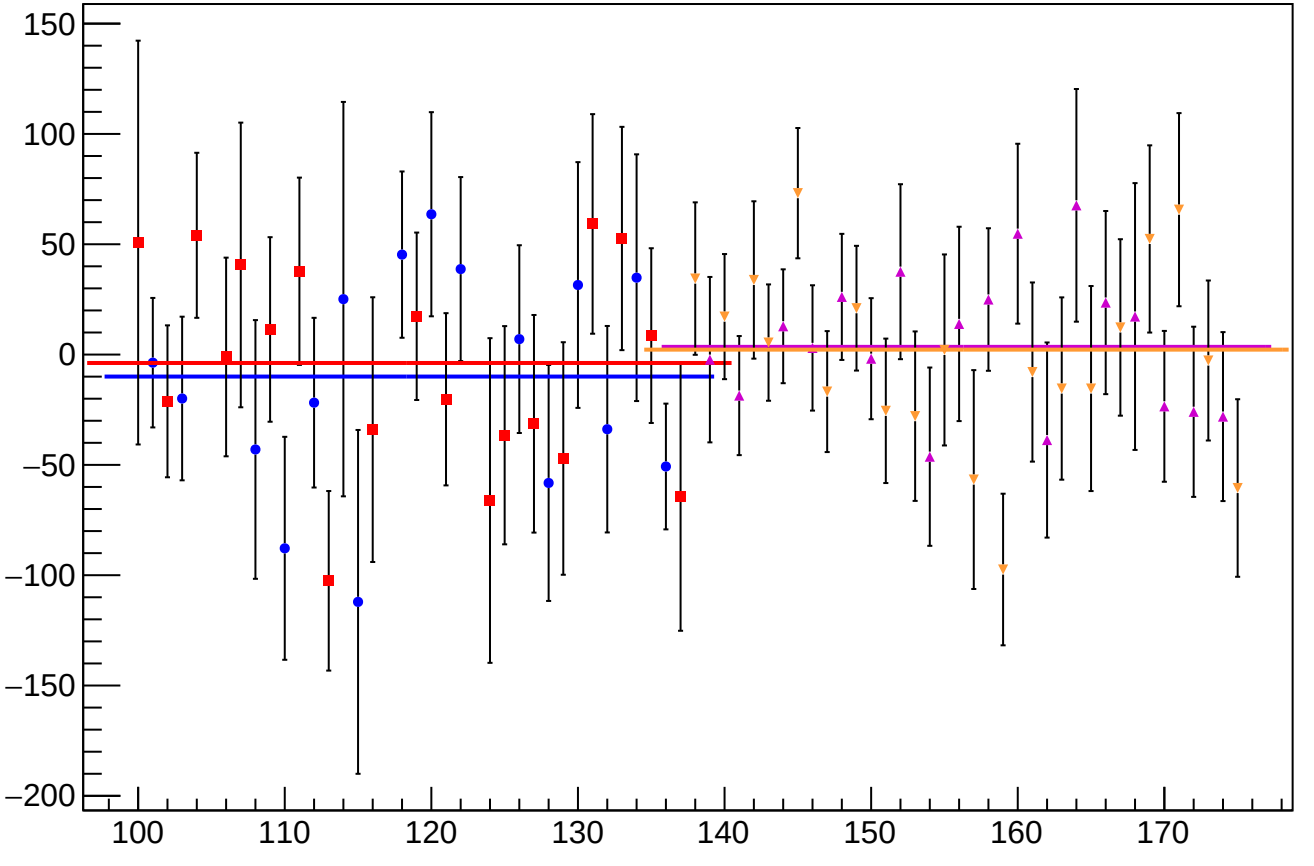
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5194.945+/-0.882 χ^2/NDF:8049420.1/33

Out: 5479.408+/-0.893 χ^2/NDF:6593480.9/38

All: 5335.280+/-0.627 χ^2/NDF: 14694272.7/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.494+/-8.265 χ^2/NDF:10.4/17

Left: 2.832+/-5.697 χ^2/NDF: 36.6/37

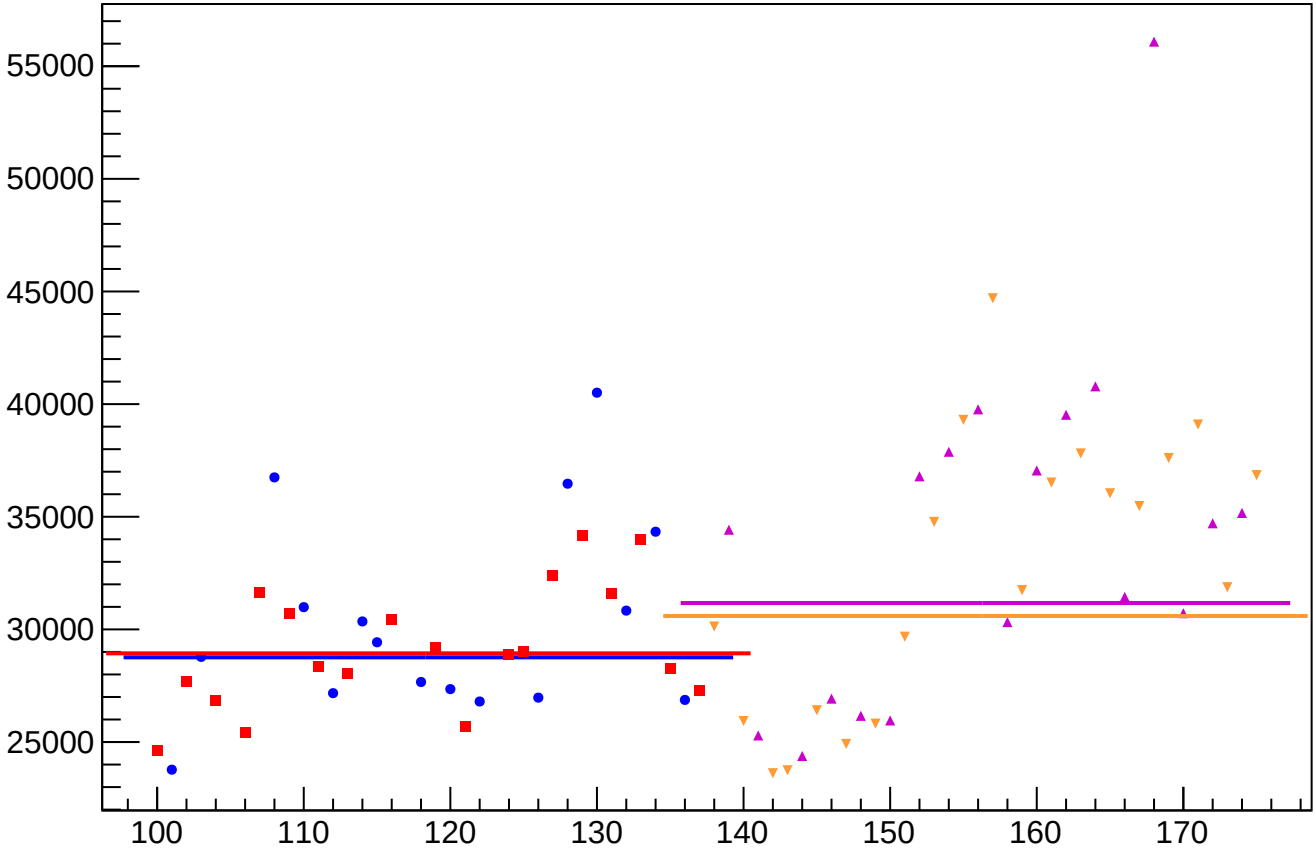
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.457+/-6.572 χ^2/NDF:26.7/33

Out: 0.096+/-6.323 χ^2/NDF:43.7/38

All: -0.651+/-4.557 χ^2/NDF: 70.4/72

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30596.077+/-5.561 χ^2/NDF:1060948.6/19

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 31172.088+/-5.844 χ^2/NDF:1158164.5/17

Left: 30869.759+/-4.029 χ^2/NDF: 2224211.5/37

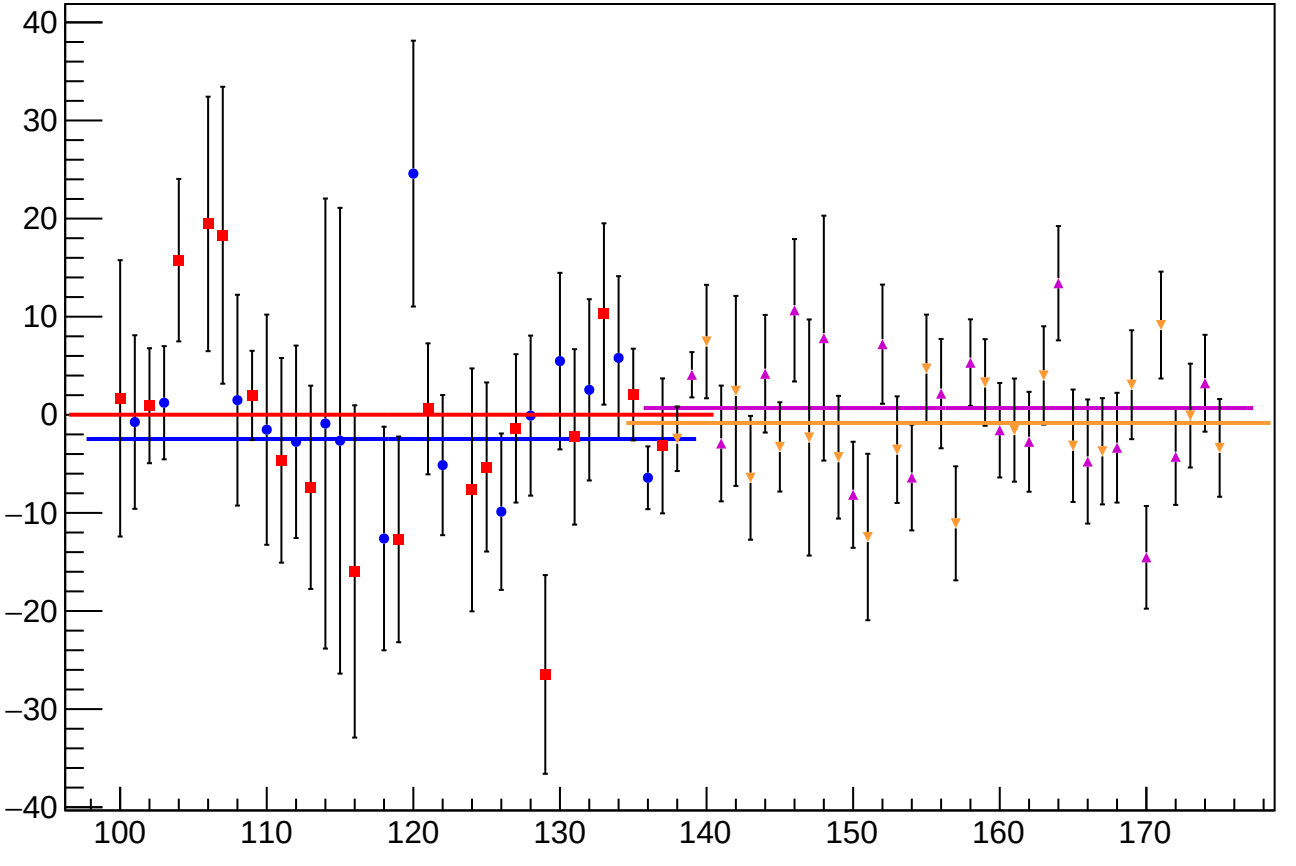
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 30284.605+/-4.647 χ^2/NDF:1498500.9/33

Out: 30009.927+/-4.471 χ^2/NDF:1198653.7/38

All: 30141.975+/-3.222 χ^2/NDF: 2698968.9/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.832+/-1.210 χ^2/NDF:16.5/19

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.688+/-1.166 χ^2/NDF:28.2/17

Left: -0.044+/-0.839 χ^2/NDF: 45.5/37

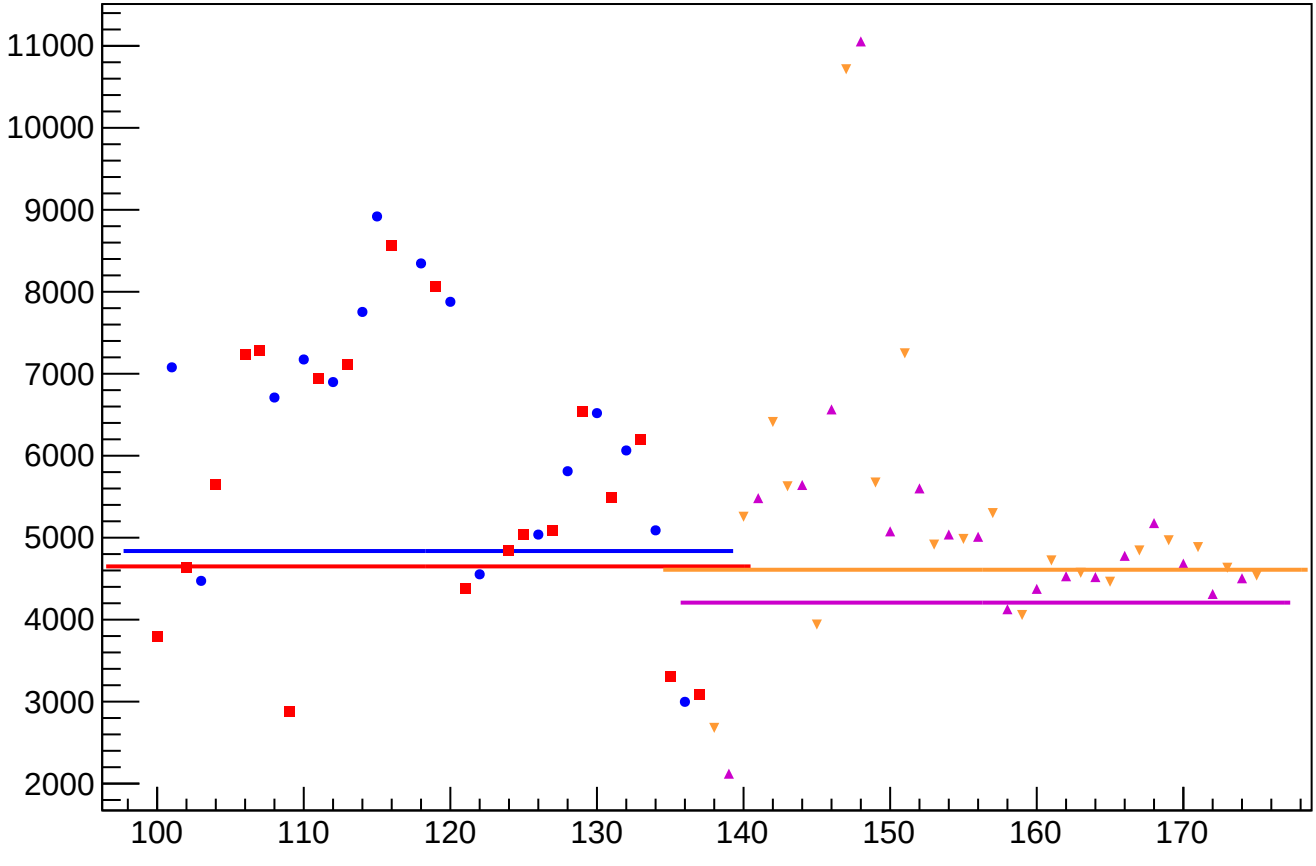
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.165+/-0.996 χ^2/NDF:40.3/33

Out: -0.576+/-1.009 χ^2/NDF:36.6/38

All: -0.368+/-0.709 χ^2/NDF: 76.9/72

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4608.896+/-0.855 χ^2/NDF:1738010.0/19

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4207.653+/-0.824 χ^2/NDF:3018823.7/17

Left: 4400.830+/-0.594 χ^2/NDF: 4870907.7/37

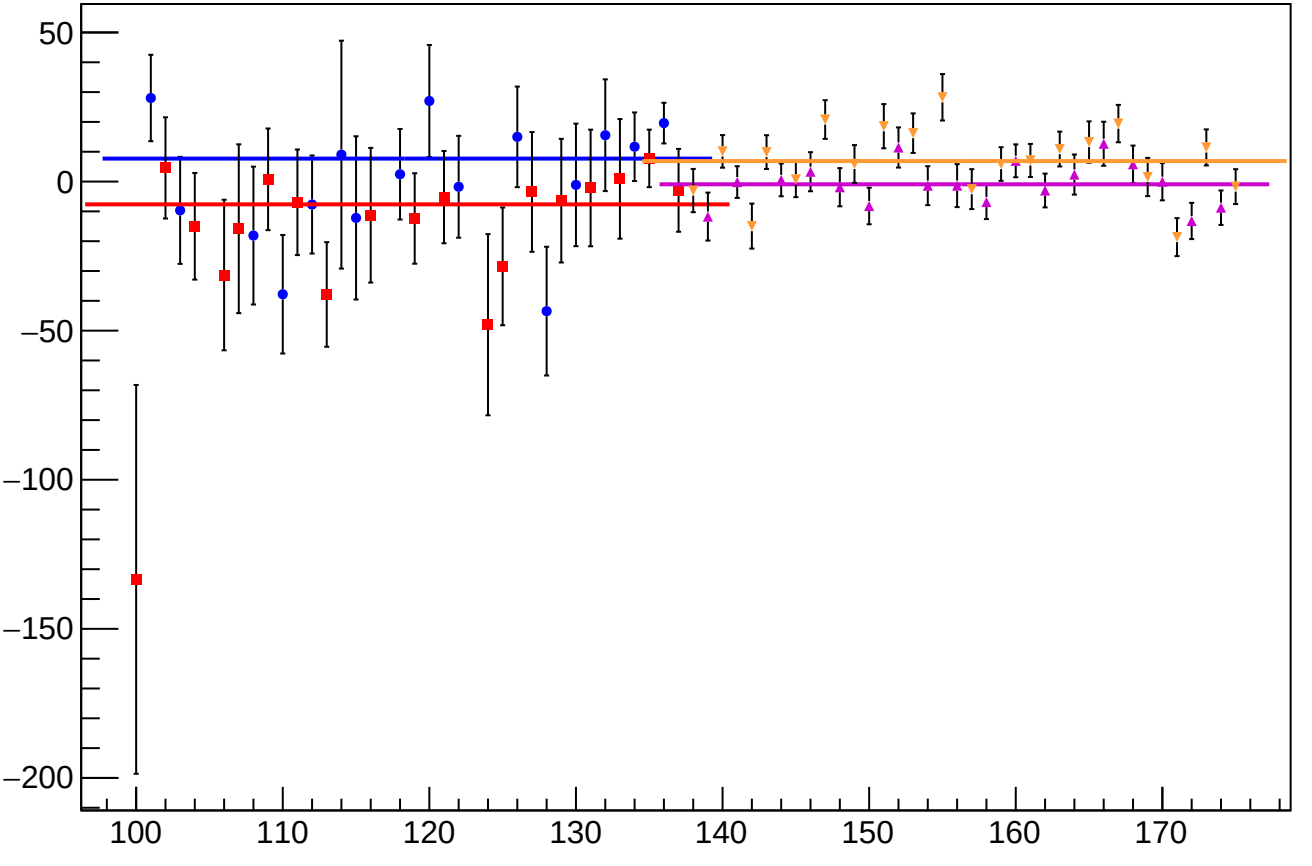
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4377.778+/-0.704 χ^2/NDF:4724207.8/33

Out: 4621.297+/-0.713 χ^2/NDF:3173248.6/38

All: 4497.951+/-0.501 χ^2/NDF: 7956474.2/72

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.871+/-1.410 χ^2/NDF:55.4/19

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.920+/-1.464 χ^2/NDF:21.1/17

Left: 3.123+/-1.016 χ^2/NDF: 91.2/37

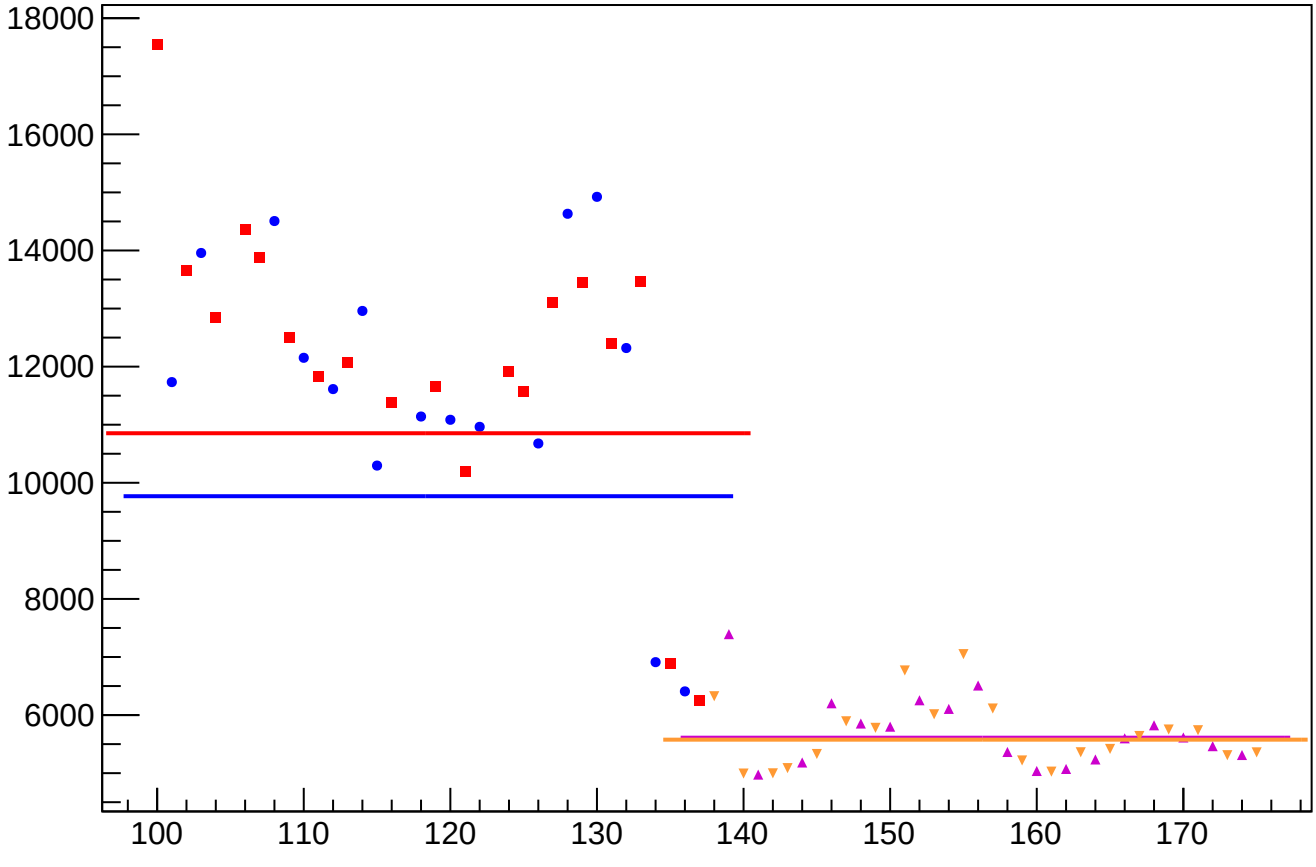
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.184+/-1.367 χ^2/NDF:47.2/33

Out: 5.335+/-1.333 χ^2/NDF:81.2/38

All: 2.825+/-0.955 χ^2/NDF: 135.6/72

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5576.689+/-0.997 χ^2/NDF:267161.9/19

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5610.610+/-1.035 χ^2/NDF:279550.9/17

Left: 5593.008+/-0.718 χ^2/NDF: 547269.8/37

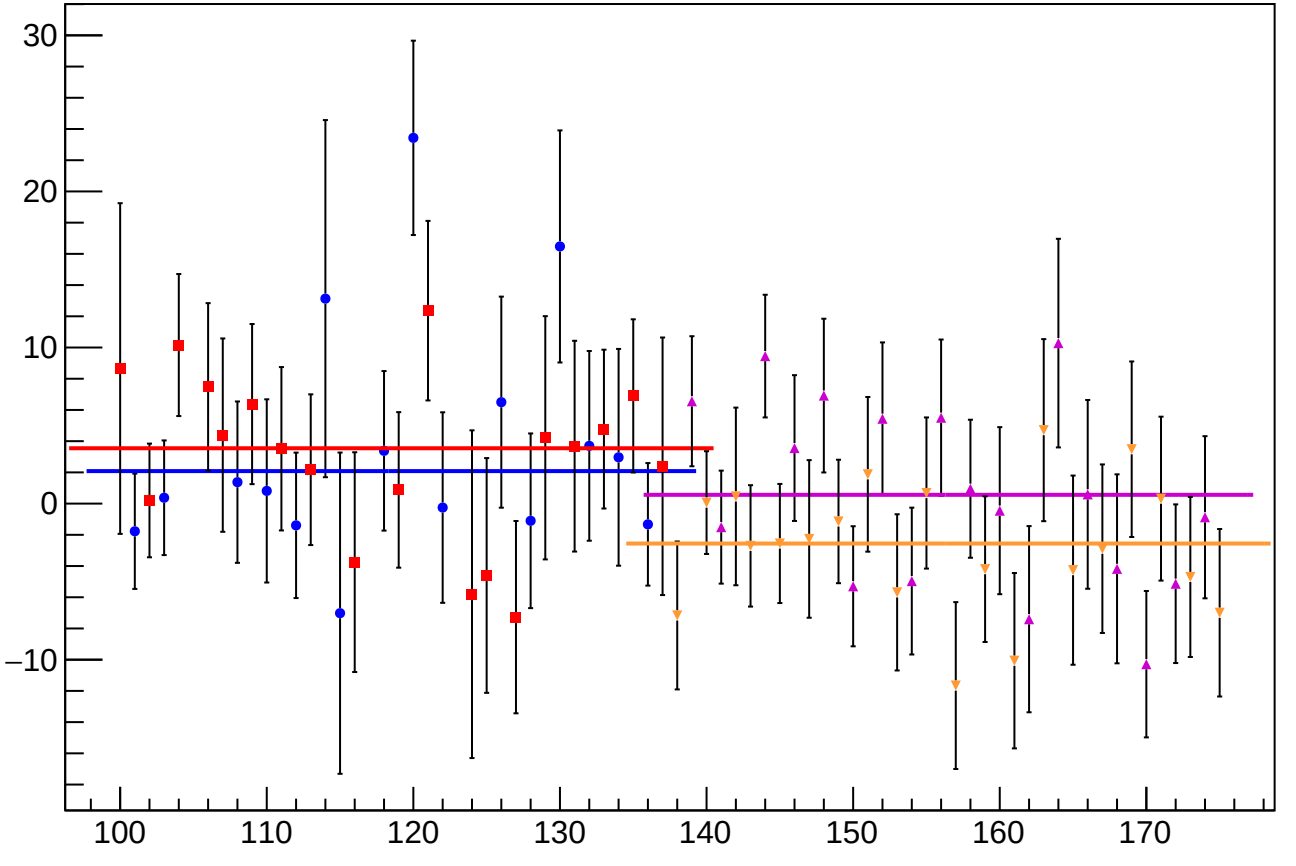
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6143.350+/-0.967 χ^2/NDF:3559651.0/33

Out: 6134.818+/-0.943 χ^2/NDF:4104653.3/38

All: 6138.977+/-0.675 χ^2/NDF: 7664344.3/72

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.558+/-1.070 χ^2/NDF:12.4/19

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.563+/-1.123 χ^2/NDF:26.5/17

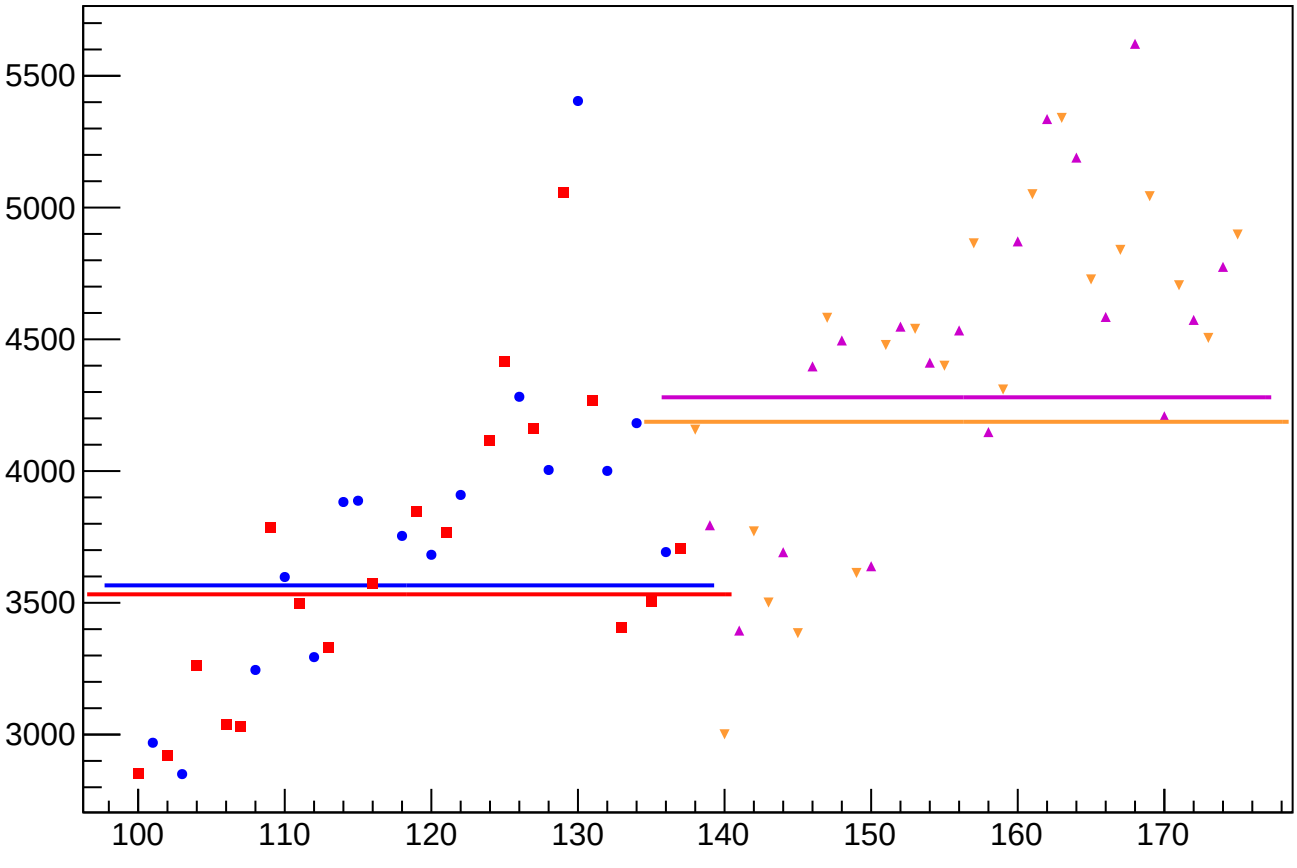
Left: -1.073+/-0.775 χ^2/NDF: 42.9/37

Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.187+/-0.862 χ^2/NDF:48.2/33

Out: -0.102+/-0.827 χ^2/NDF:38.9/38

All: 0.516+/-0.597 χ^2/NDF: 88.3/72



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4187.012+/-0.757 χ^2/NDF:808910.5/19

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4279.966+/-0.794 χ^2/NDF:519543.9/17

Left: 4231.243+/-0.548 χ^2/NDF: 1335634.5/37

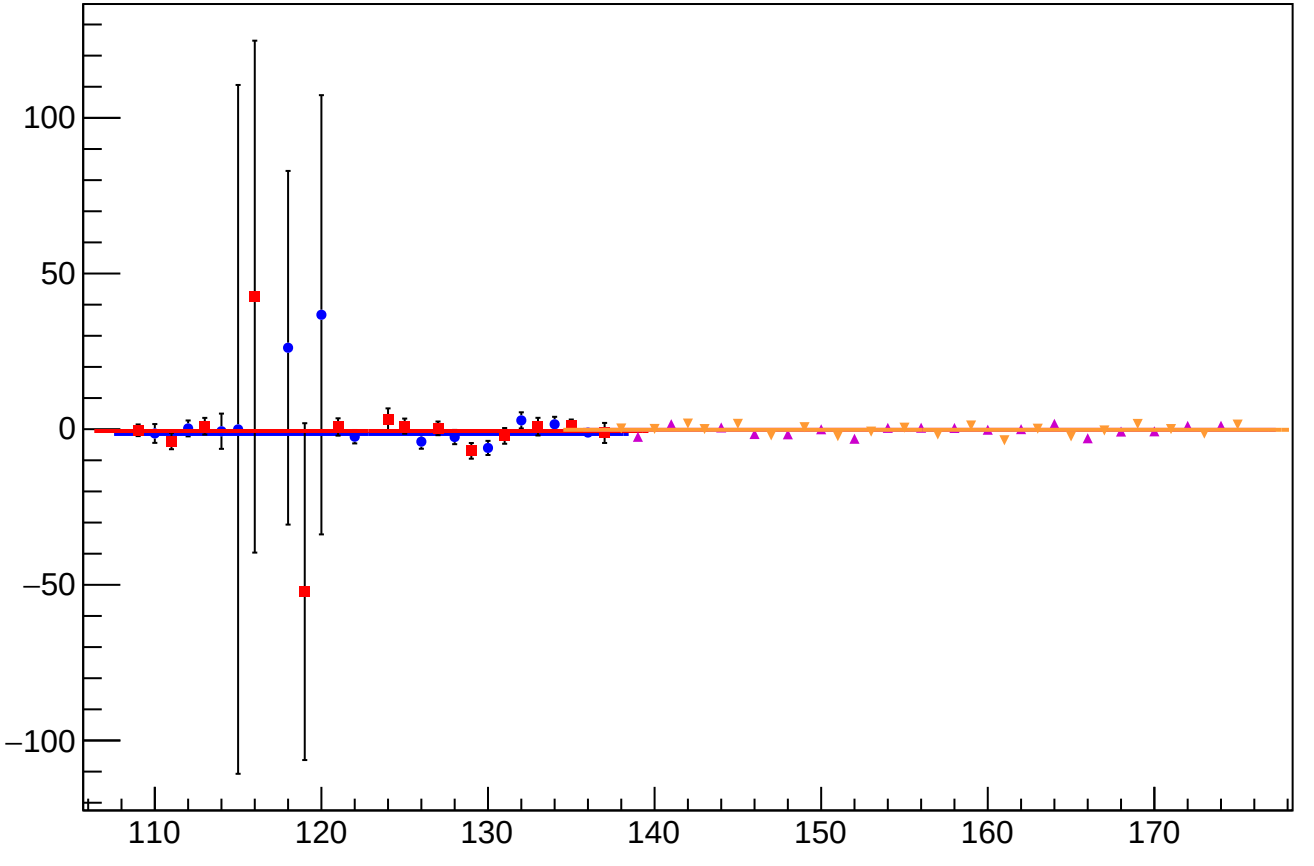
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3986.774+/-0.610 χ^2/NDF:1192439.8/33

Out: 3923.522+/-0.585 χ^2/NDF:1388922.5/38

All: 3953.842+/-0.422 χ^2/NDF: 2586966.4/72

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.201+/-0.257 χ^2/NDF:32.7/19

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.220+/-0.265 χ^2/NDF:27.2/17

Left: -0.210+/-0.184 χ^2/NDF: 59.9/37

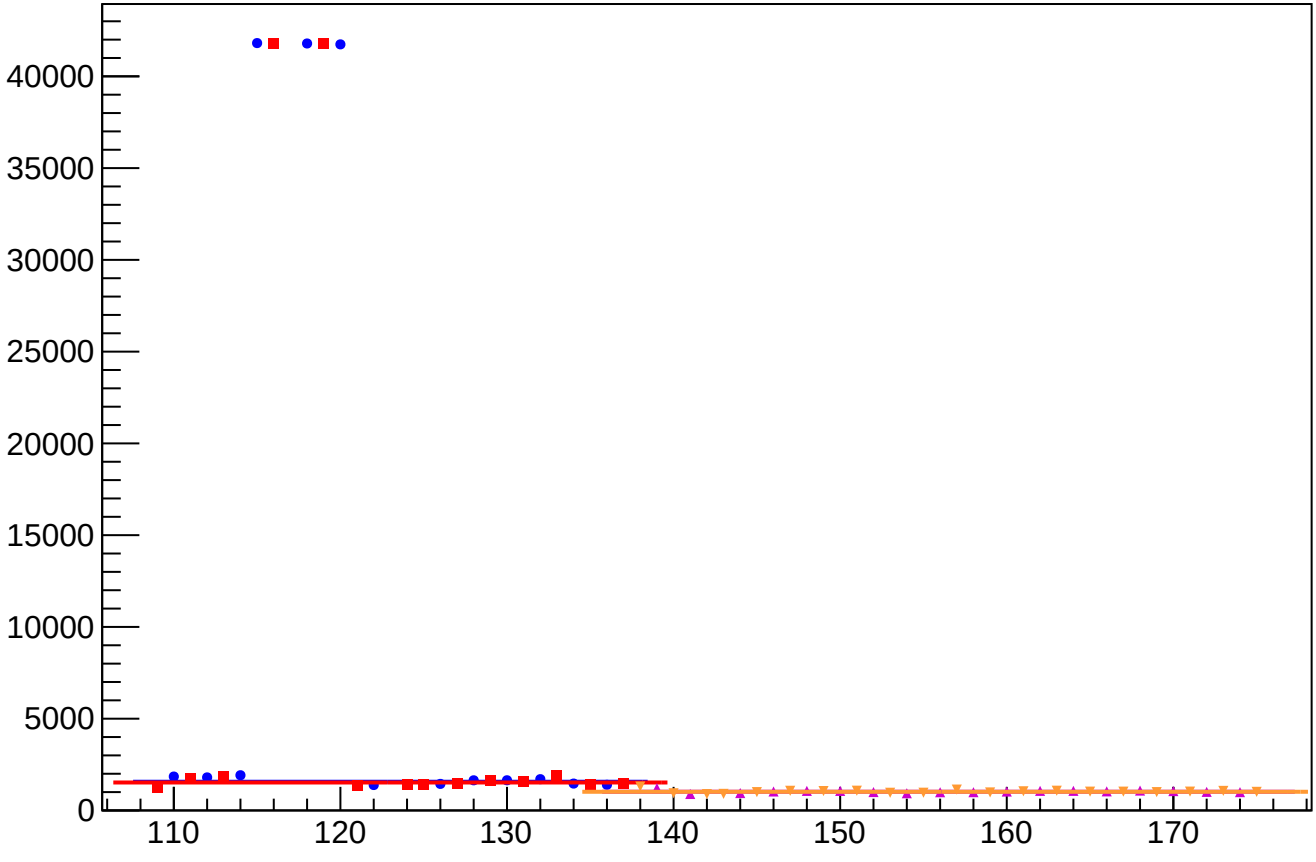
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.372+/-0.249 χ^2/NDF:41.1/30

Out: -0.245+/-0.242 χ^2/NDF:45.7/33

All: -0.306+/-0.174 χ^2/NDF: 86.9/64

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1017.855+/-0.182 χ^2/NDF:181358.1/19

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1018.889+/-0.188 χ^2/NDF:124627.1/17

Left: 1018.355+/-0.130 χ^2/NDF: 306001.0/37

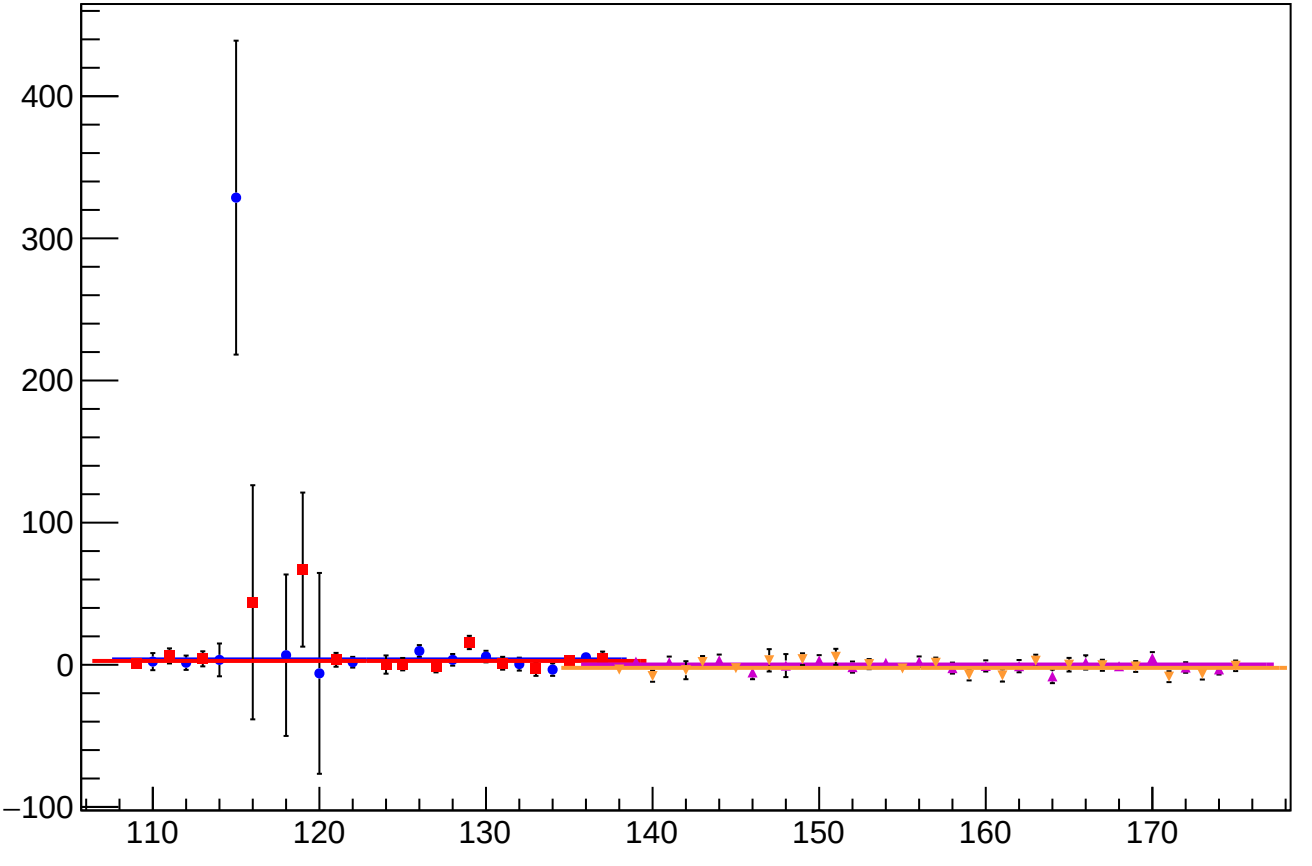
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1082.060+/-0.176 χ^2/NDF:3121470.9/30

Out: 1075.324+/-0.171 χ^2/NDF:2803069.3/33

All: 1078.587+/-0.123 χ^2/NDF: 5925292.5/64

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.161+/-0.860 χ^2/NDF:18.4/19

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.185+/-0.892 χ^2/NDF:10.5/17

Left: -1.030+/-0.619 χ^2/NDF: 32.4/37

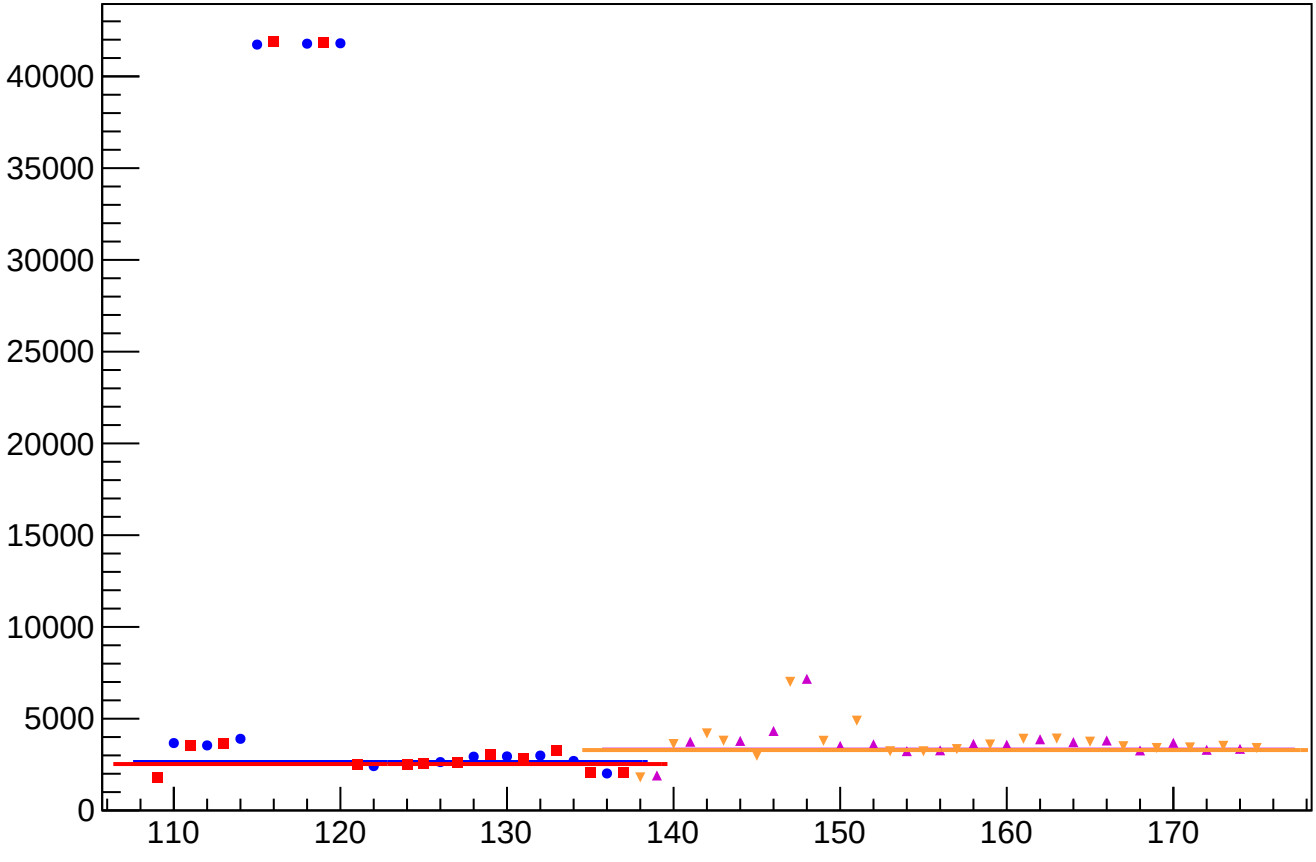
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.398+/-0.726 χ^2/NDF:31.1/30

Out: -0.528+/-0.701 χ^2/NDF:42.7/33

All: 0.403+/-0.504 χ^2/NDF: 77.5/64

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3290.675+/-0.608 χ^2/NDF:1882572.2/19

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3312.395+/-0.630 χ^2/NDF:1608645.2/17

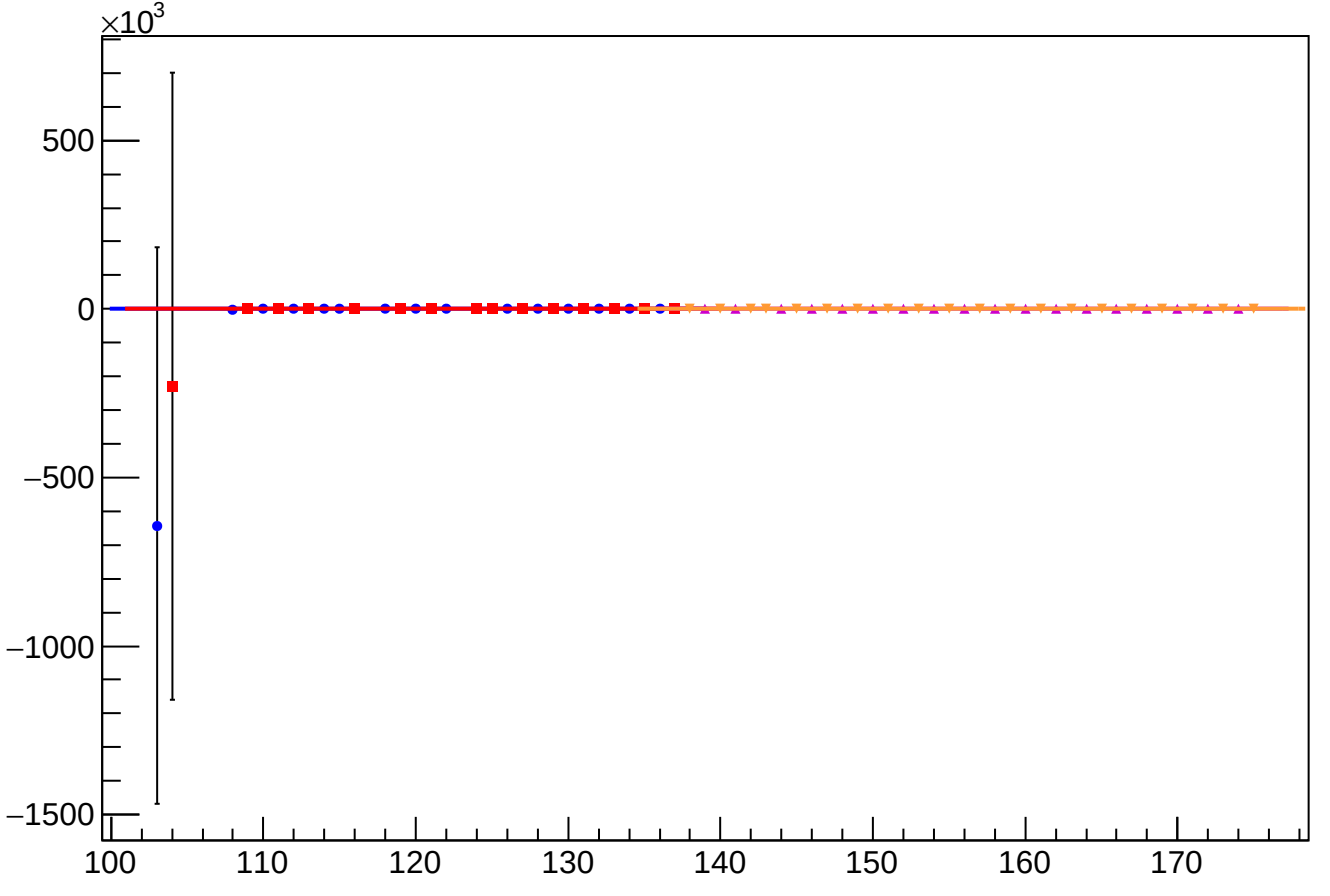
Left: 3301.146+/-0.438 χ^2/NDF: 3491832.2/37

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3085.262+/-0.513 χ^2/NDF:4166369.4/30

Out: 3035.231+/-0.496 χ^2/NDF:4358381.5/33

All: 3059.397+/-0.357 χ^2/NDF: 8529668.1/64



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.717+/-0.401 χ^2/NDF:46.6/19

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.100+/-0.416 χ^2/NDF:22.0/17

Left: -0.841+/-0.289 χ^2/NDF: 78.4/37

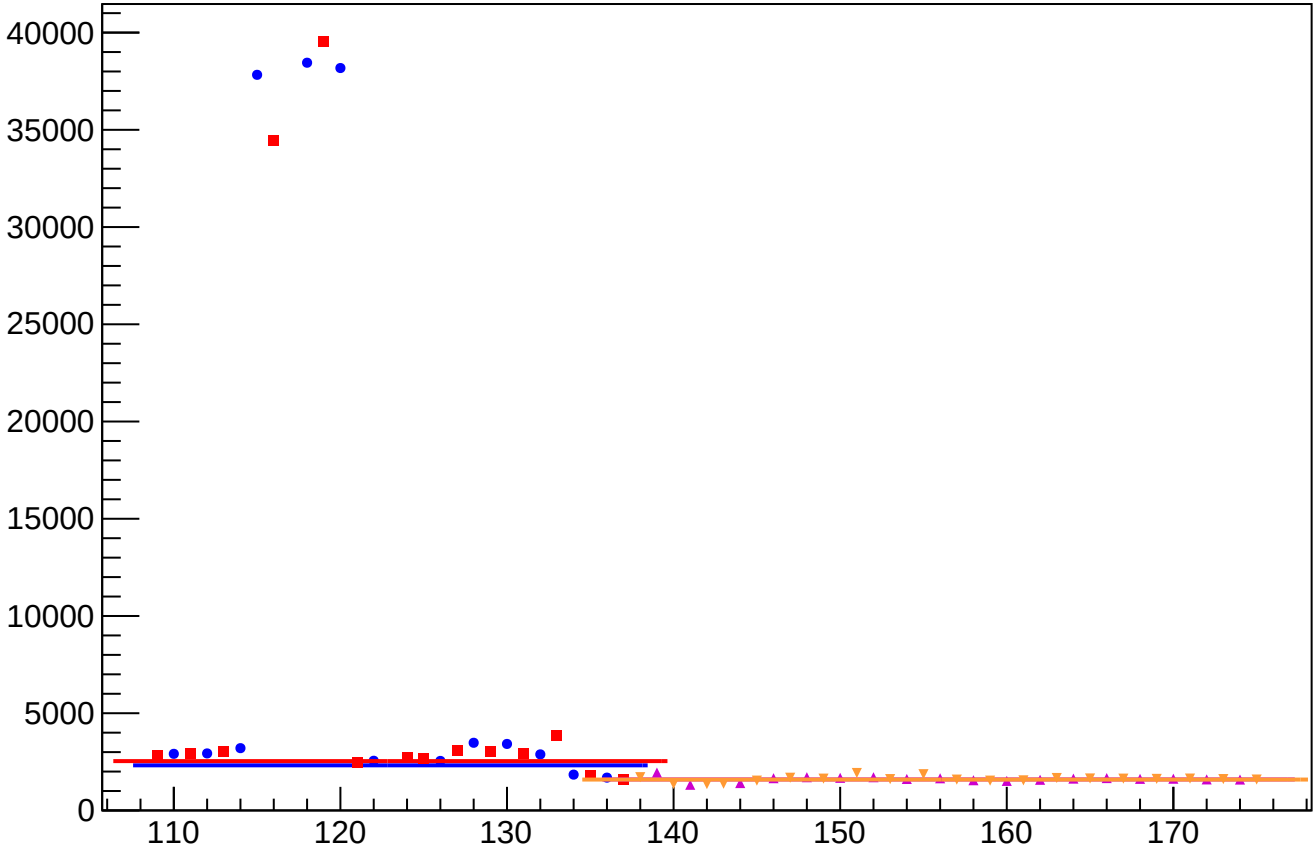
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.058+/-0.390 χ^2/NDF:42.0/32

Out: -1.283+/-0.381 χ^2/NDF:72.8/34

All: -0.685+/-0.272 χ^2/NDF: 119.8/67

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.688+/-0.284 χ^2/NDF:230420.1/19

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.573+/-0.294 χ^2/NDF:196065.1/17

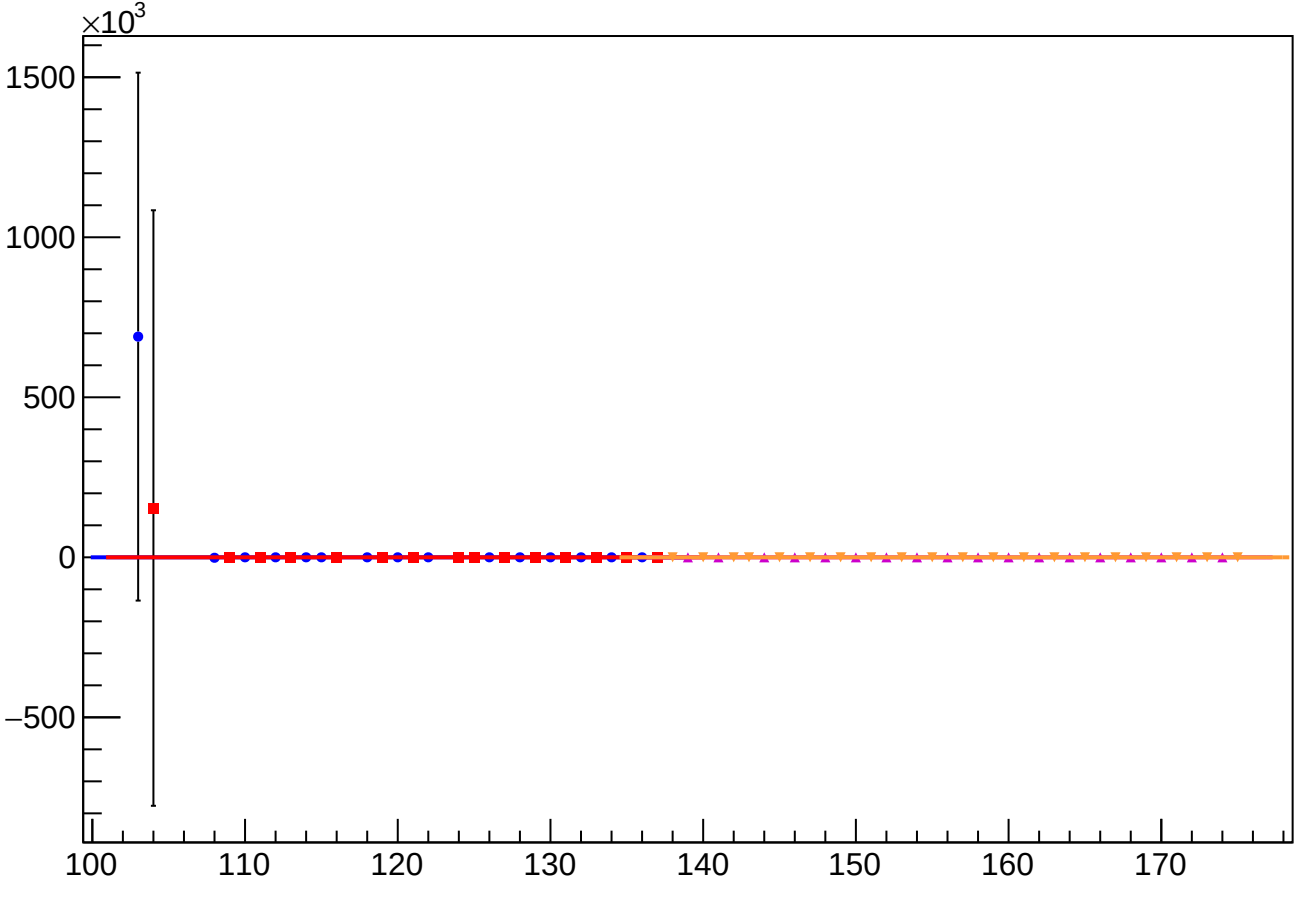
Left: 1591.526+/-0.204 χ^2/NDF: 426692.8/37

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1681.724+/-0.276 χ^2/NDF:3389805.6/30

Out: 1682.490+/-0.269 χ^2/NDF:3374969.2/33

All: 1682.116+/-0.193 χ^2/NDF: 6764778.8/64



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.069+/-0.555 χ^2/NDF:21.4/19

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.117+/-0.552 χ^2/NDF:13.4/17

Left: -0.591+/-0.391 χ^2/NDF: 36.4/37

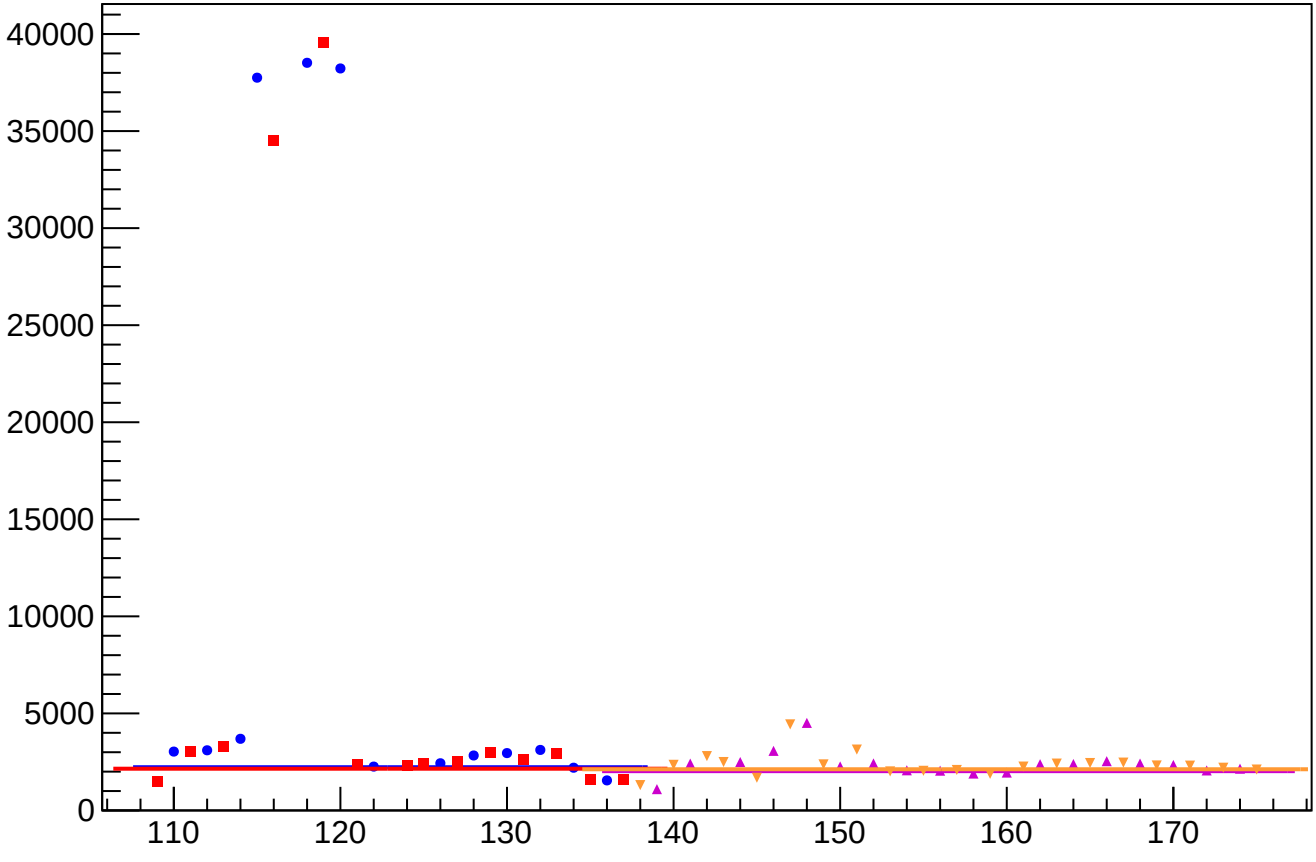
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.263+/-0.491 χ^2/NDF:20.7/32

Out: -0.425+/-0.491 χ^2/NDF:43.0/34

All: -0.081+/-0.347 χ^2/NDF: 64.7/67

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2122.508+/-0.392 χ^2/NDF:1467776.1/19

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2024.792+/-0.390 χ^2/NDF:2250314.9/17

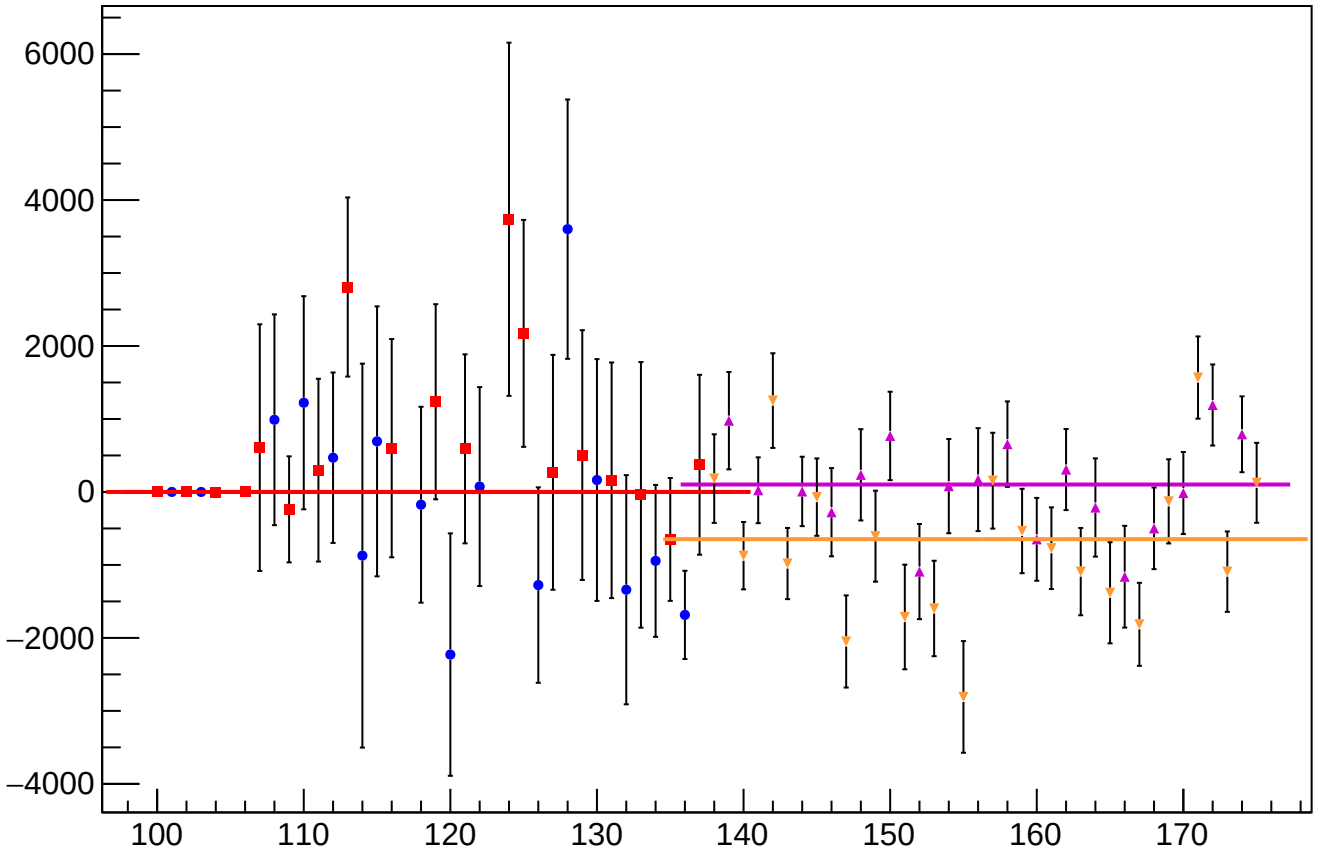
Left: 2073.436+/-0.277 χ^2/NDF: 3749273.7/37

Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2066.904+/-0.347 χ^2/NDF:4828448.9/30

Out: 2128.672+/-0.347 χ^2/NDF:3700233.8/33

All: 2097.834+/-0.245 χ^2/NDF: 8544513.5/64



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -646.753+/-131.458 χ^2/NDF:55.9/19

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 101.868+/-137.112 χ^2/NDF:19.9/17

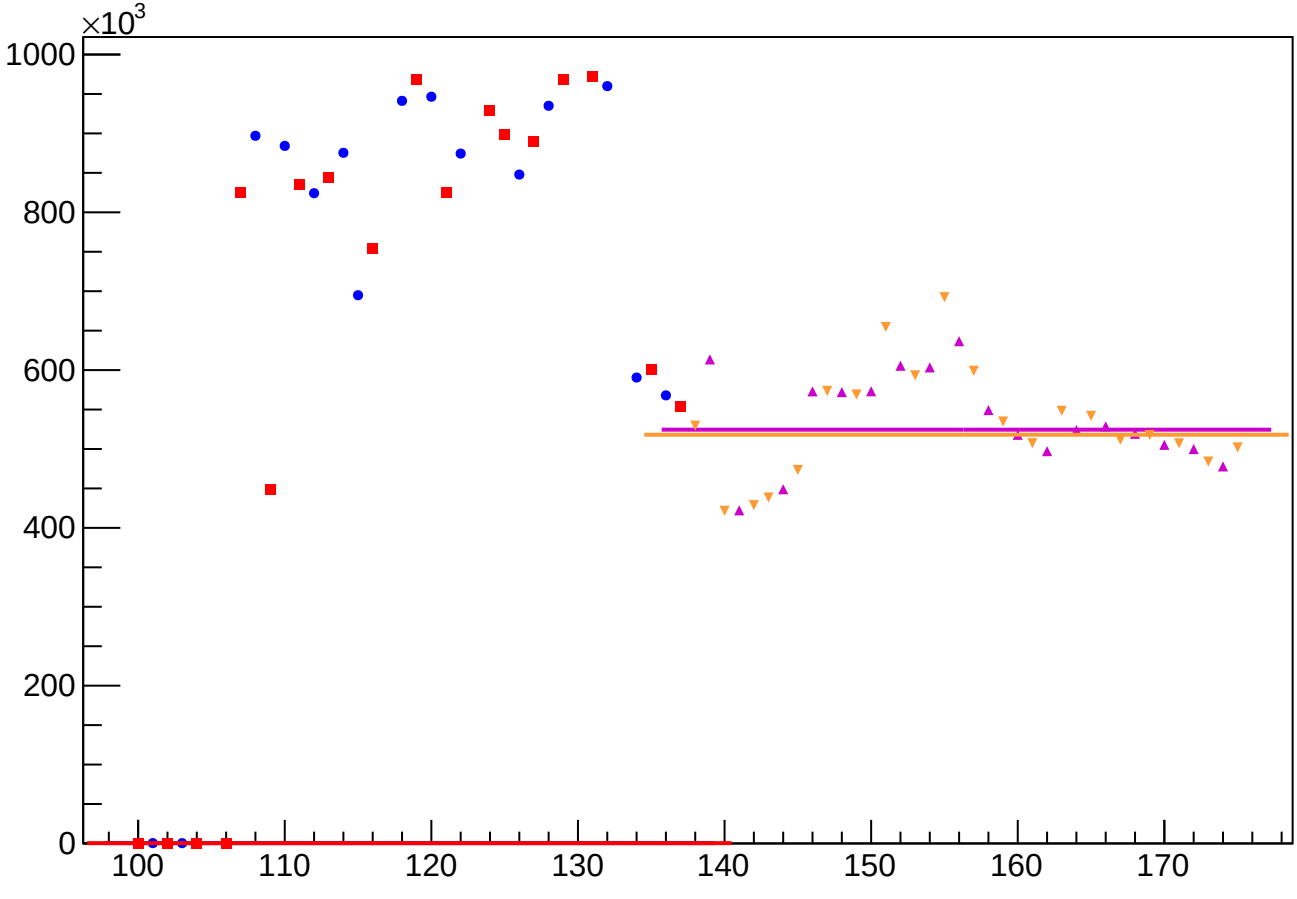
Left: -288.196+/-94.890 χ^2/NDF: 91.3/37

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:38.2/33

Out: -0.100+/-0.328 χ^2/NDF:95.5/38

All: 0.064+/-0.241 χ^2/NDF: 134.2/72



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 518081.479+/-92.954 χ^2/NDF:475751.3/19

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 524480.149+/-96.953 χ^2/NDF:368795.7/17

Left: 521146.164+/-67.098 χ^2/NDF: 846816.5/37

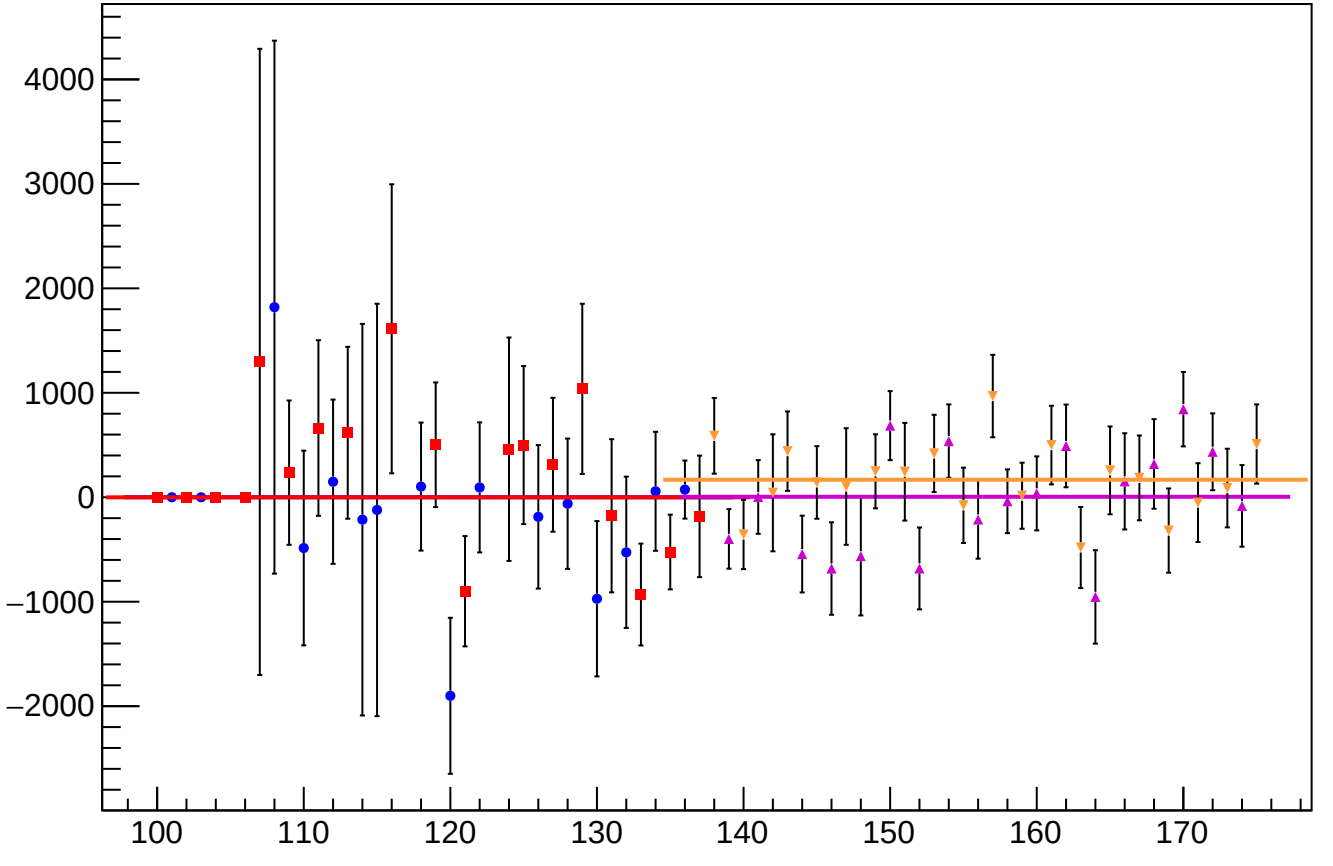
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.407+/-0.251 χ^2/NDF:38080337.1/32

Out: 396.458+/-0.232 χ^2/NDF:39140852.7/37

All: 399.190+/-0.170 χ^2/NDF: 77221492.4/70

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 167.698+/-86.094 χ^2/NDF:16.1/19

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 4.562+/-88.081 χ^2/NDF:31.3/17

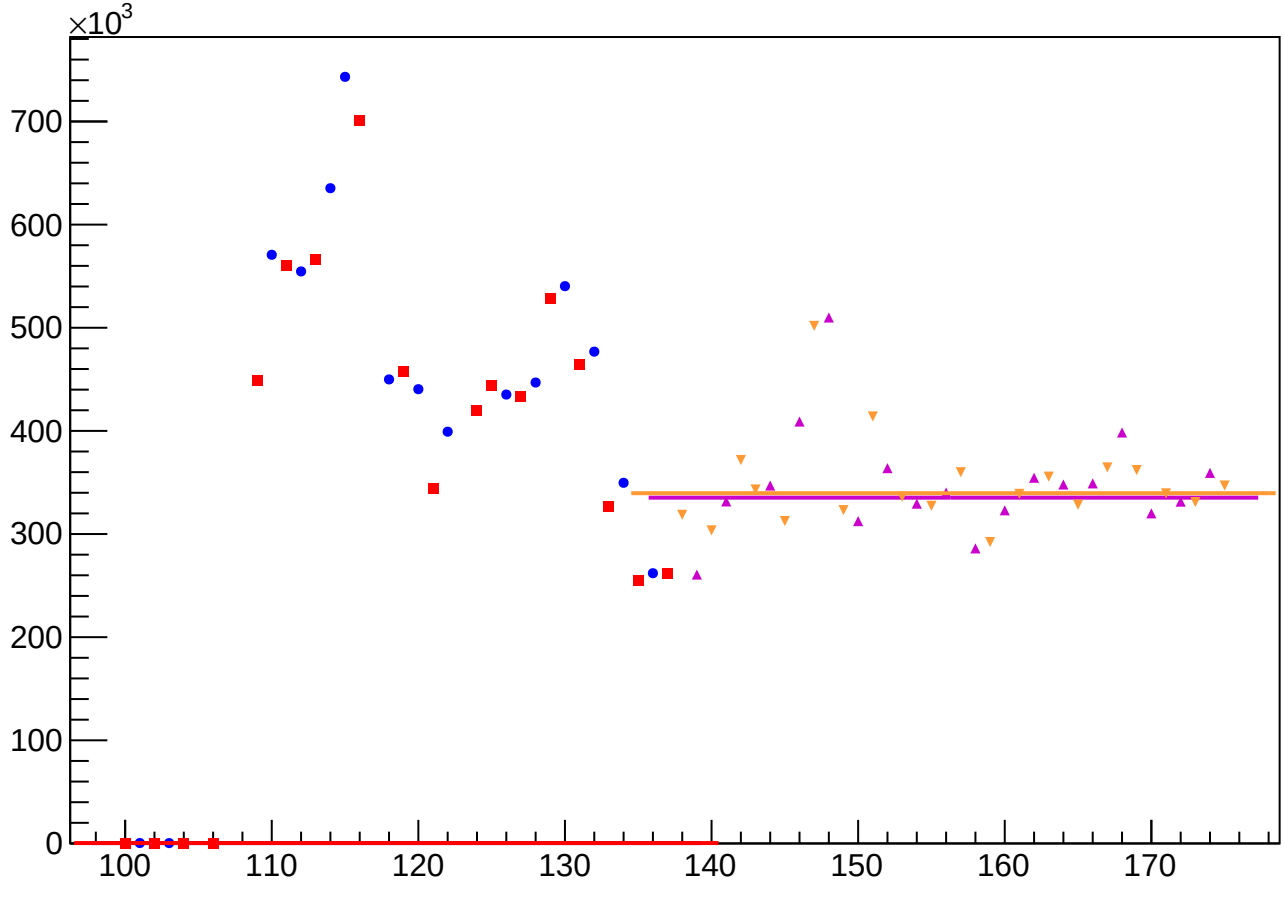
Left: 87.991+/-61.568 χ^2/NDF: 49.1/37

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.020+/-0.347 χ^2/NDF:41.8/33

Out: -0.596+/-0.324 χ^2/NDF:34.9/38

All: -0.328+/-0.237 χ^2/NDF: 78.2/72



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339606.296+/-60.877 χ^2/NDF:346163.6/19

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335275.269+/-62.286 χ^2/NDF:522360.4/17

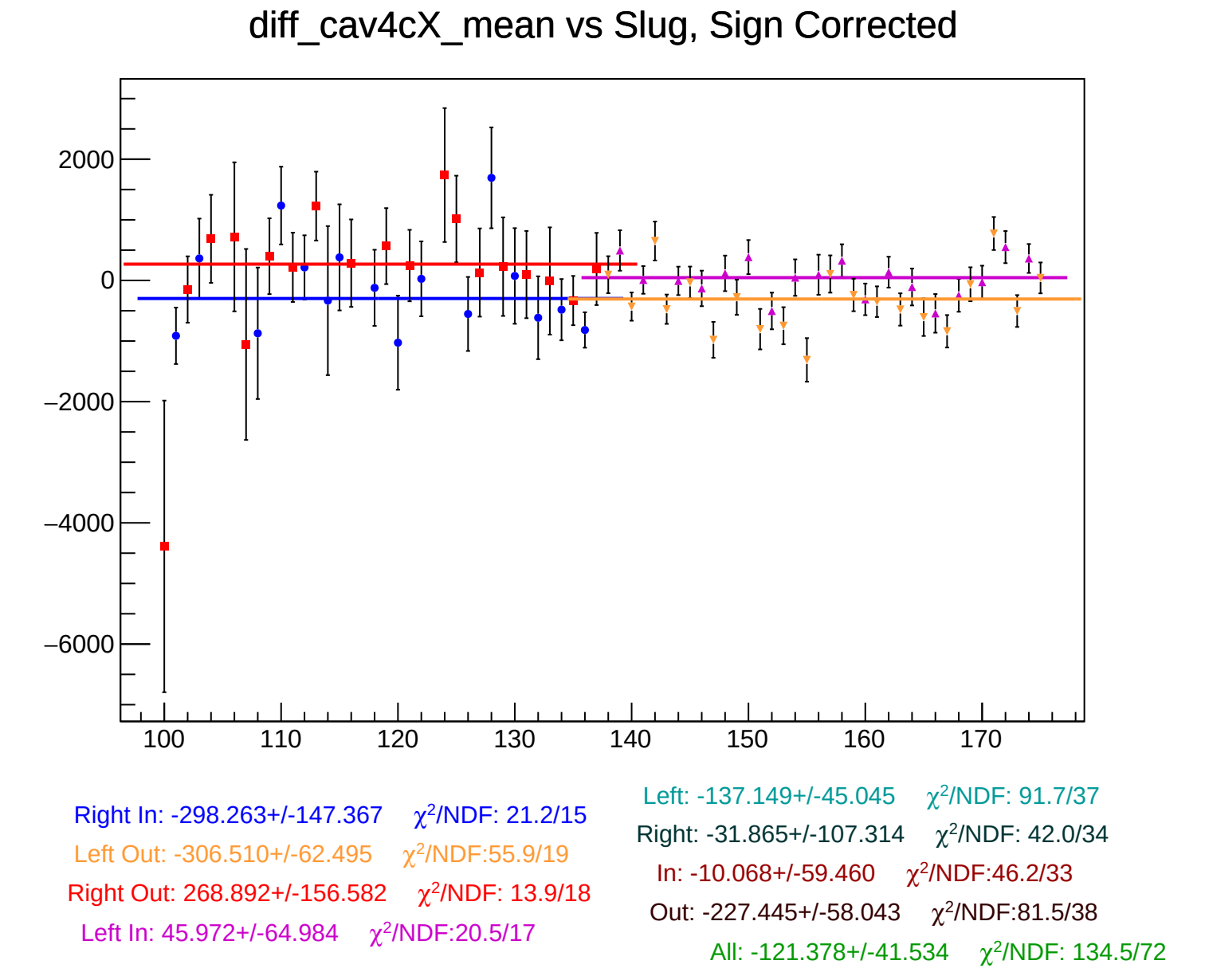
Left: 337490.322+/-43.536 χ^2/NDF: 870996.8/37

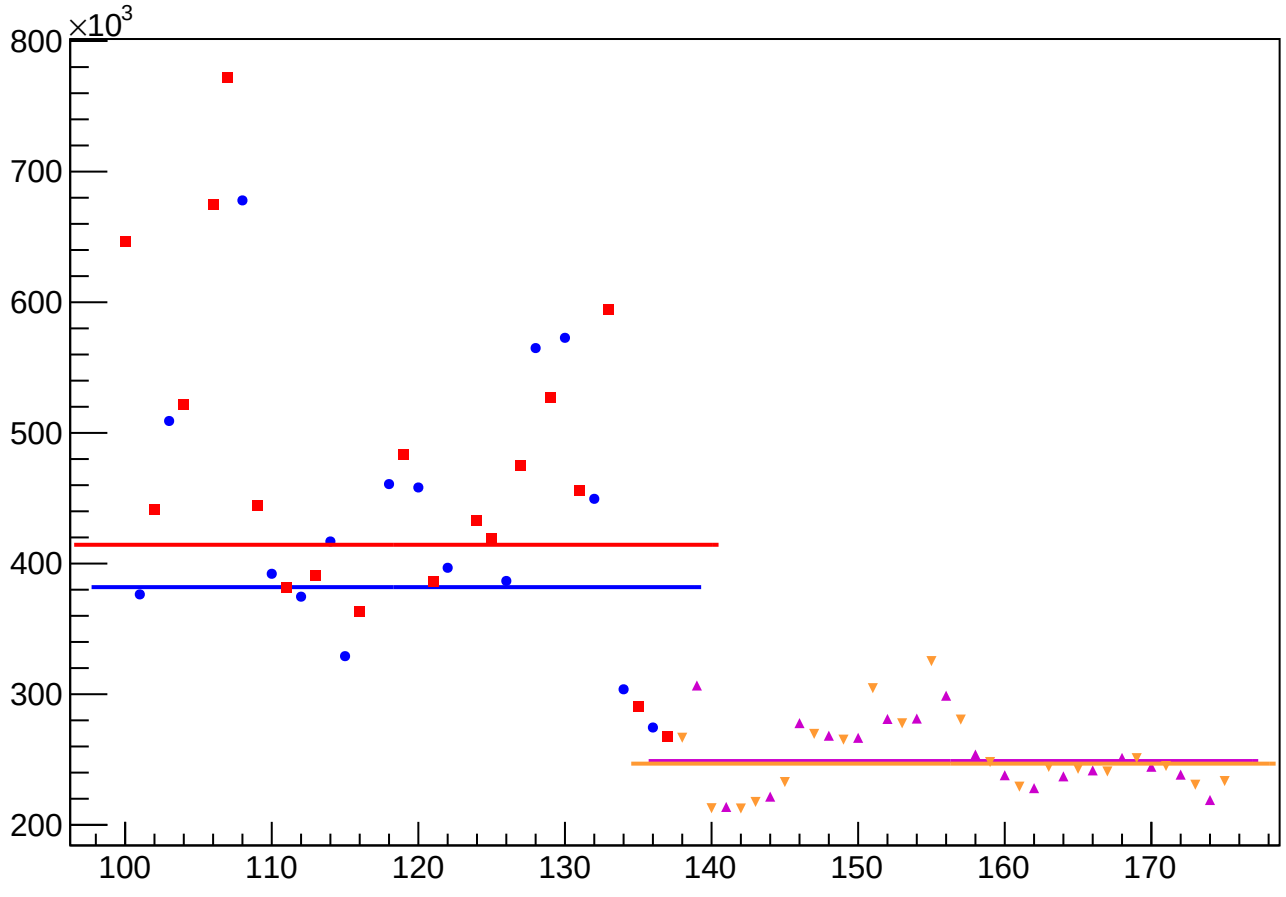
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

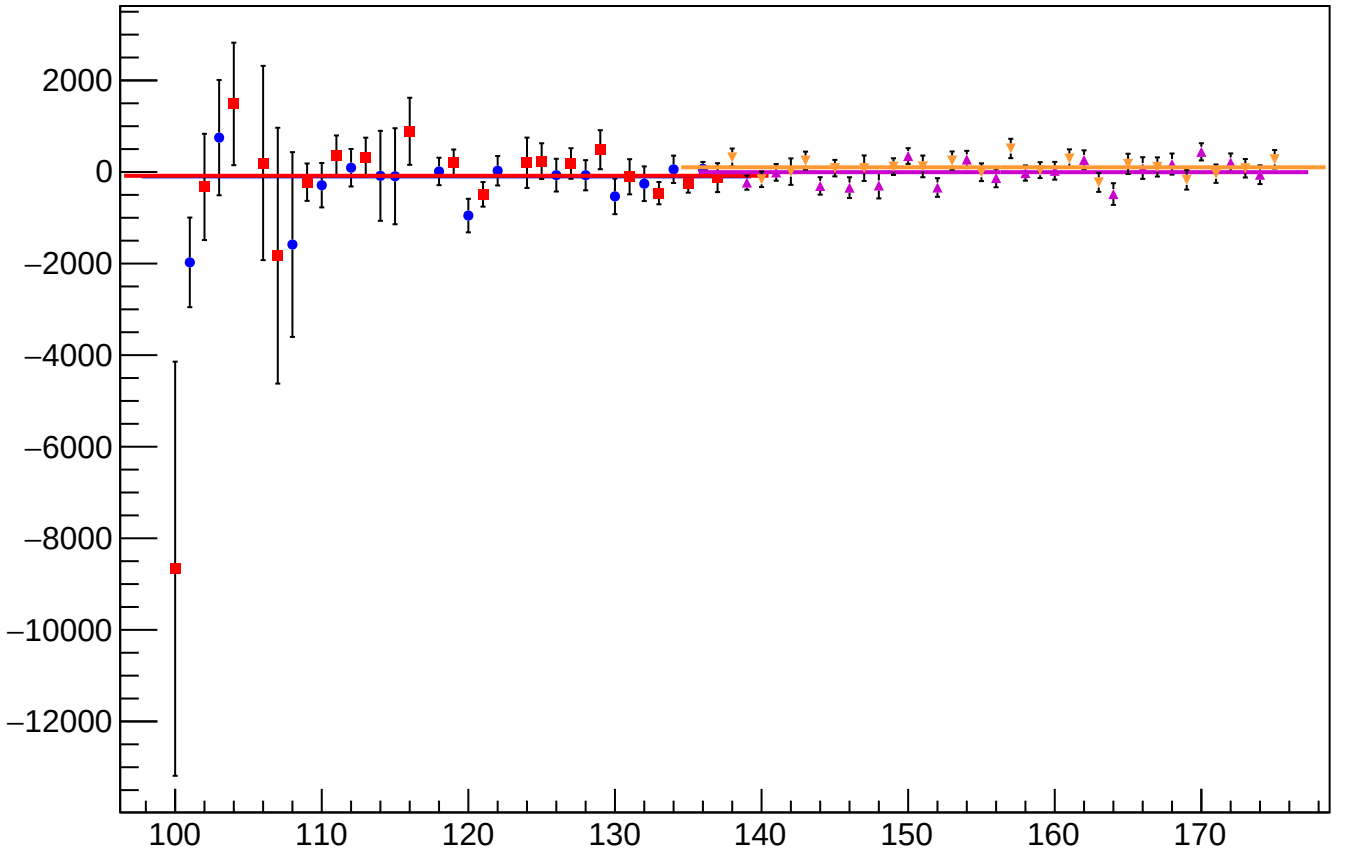
In: 395.476+/-0.245 χ^2/NDF:40561398.0/32

Out: 392.783+/-0.229 χ^2/NDF:42469039.6/37

All: 394.036+/-0.167 χ^2/NDF: 83030502.0/70


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -306.510+/-62.495 χ²/NDF:55.9/19
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 45.972+/-64.984 χ²/NDF:20.5/17
Left: -137.149+/-45.045 χ²/NDF: 91.7/37
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -10.068+/-59.460 χ²/NDF:46.2/33
Out: -227.445+/-58.043 χ²/NDF:81.5/38
All: -121.378+/-41.534 χ²/NDF: 134.5/72


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 246865.988+/-44.191 χ²/NDF:353726.6/19
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 248852.790+/-45.951 χ²/NDF:319016.7/17
Left: 247820.610+/-31.852 χ²/NDF: 673714.6/37
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 270515.757+/-42.046 χ²/NDF:2521092.8/33
Out: 269873.504+/-41.044 χ²/NDF:3087382.0/38
All: 270186.888+/-29.370 χ²/NDF: 5608594.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 102.402+/-45.442 χ^2/NDF:15.4/19

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -4.157+/-46.639 χ^2/NDF:30.7/17

Left: 50.508+/-32.547 χ^2/NDF: 48.8/37

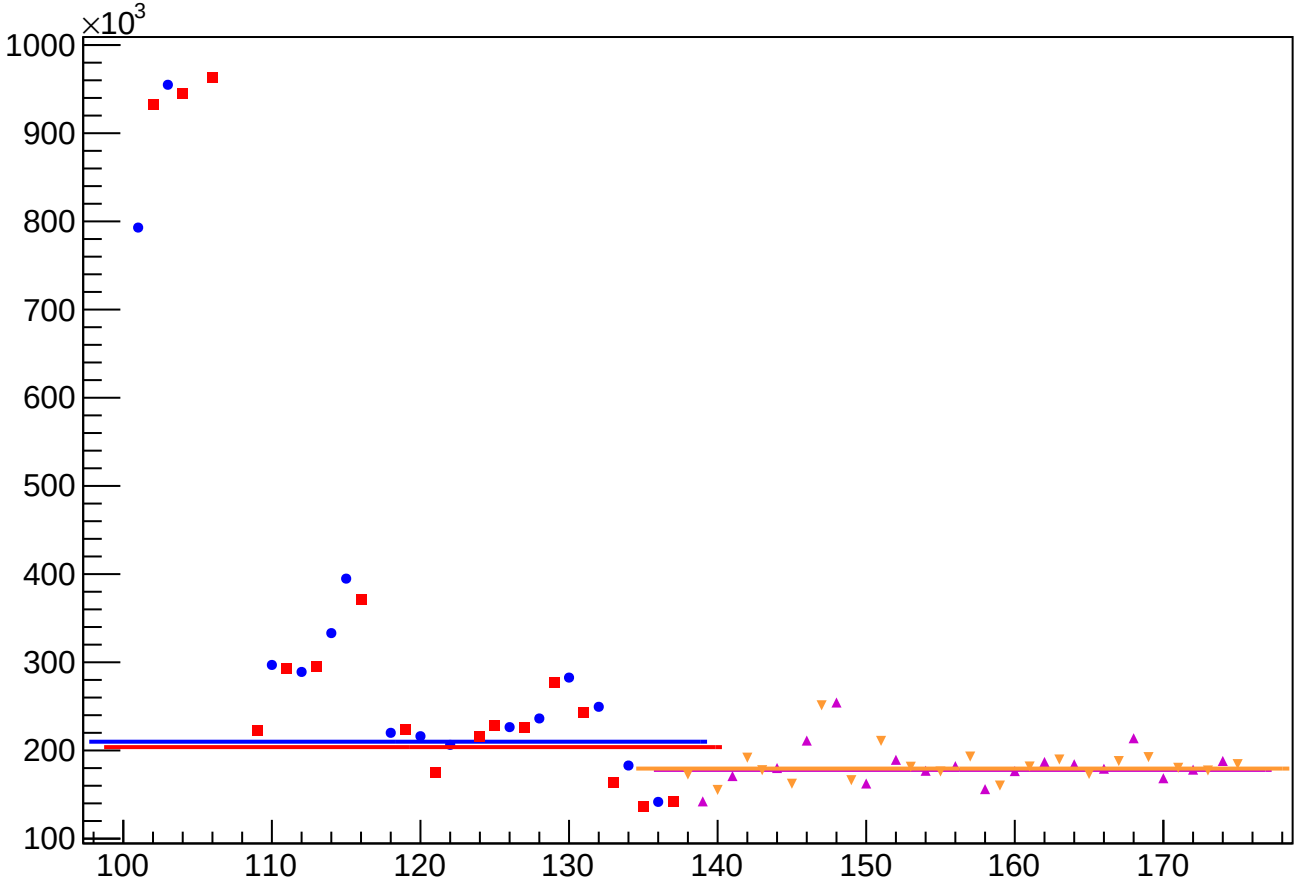
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -24.170+/-41.237 χ^2/NDF:45.2/33

Out: 62.941+/-40.310 χ^2/NDF:38.0/38

All: 20.376+/-28.825 χ^2/NDF: 85.6/72

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179462.271+/-32.132 χ^2/NDF:295713.9/19

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177955.897+/-32.979 χ^2/NDF:419005.7/17

Left: 178728.667+/-23.014 χ^2/NDF: 715790.0/37

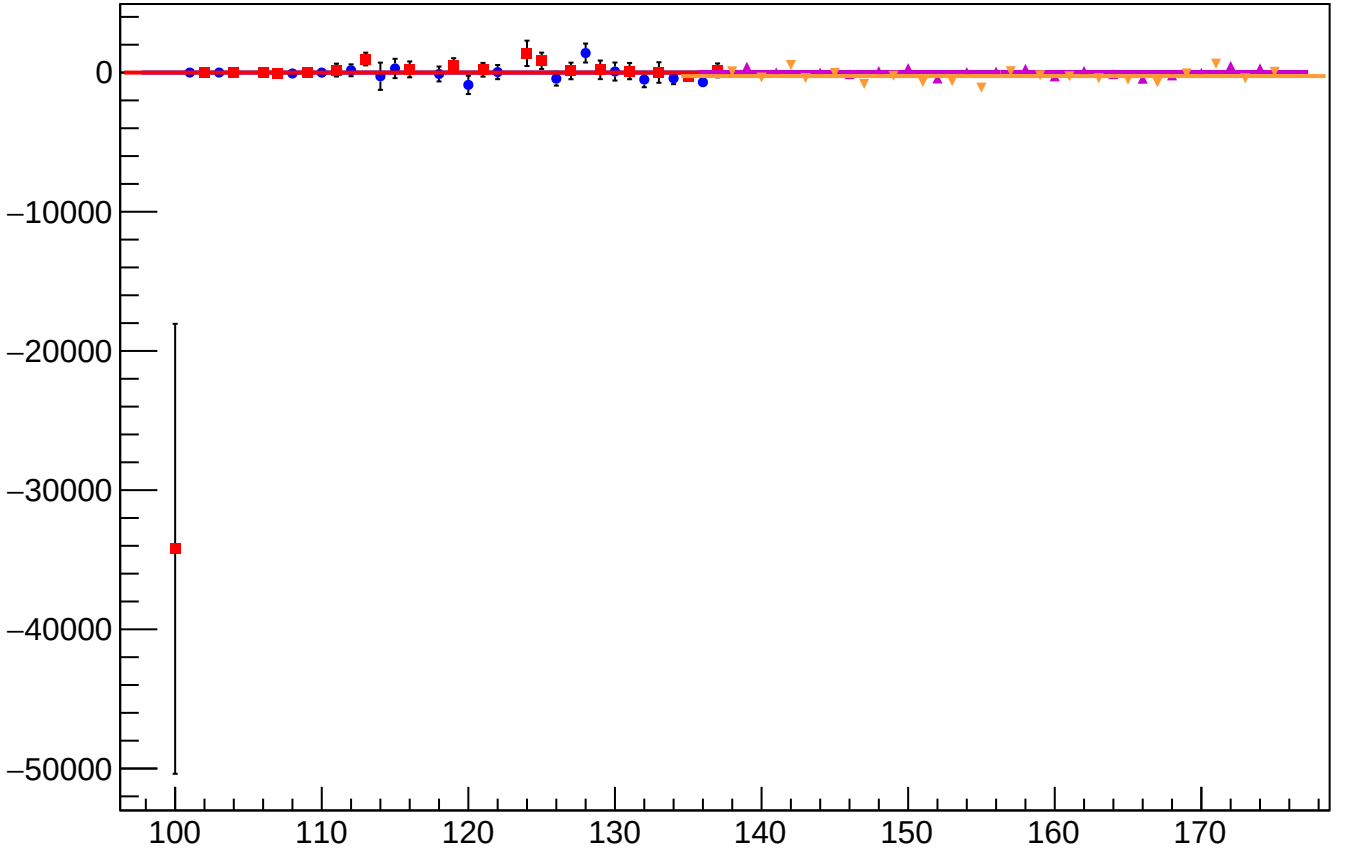
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184915.375+/-29.170 χ^2/NDF:2583496.3/32

Out: 184627.664+/-28.518 χ^2/NDF:2487917.3/36

All: 184768.271+/-20.392 χ^2/NDF: 5071463.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -252.095+/-52.208 χ^2/NDF:55.9/19

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 41.162+/-54.337 χ^2/NDF:20.5/17

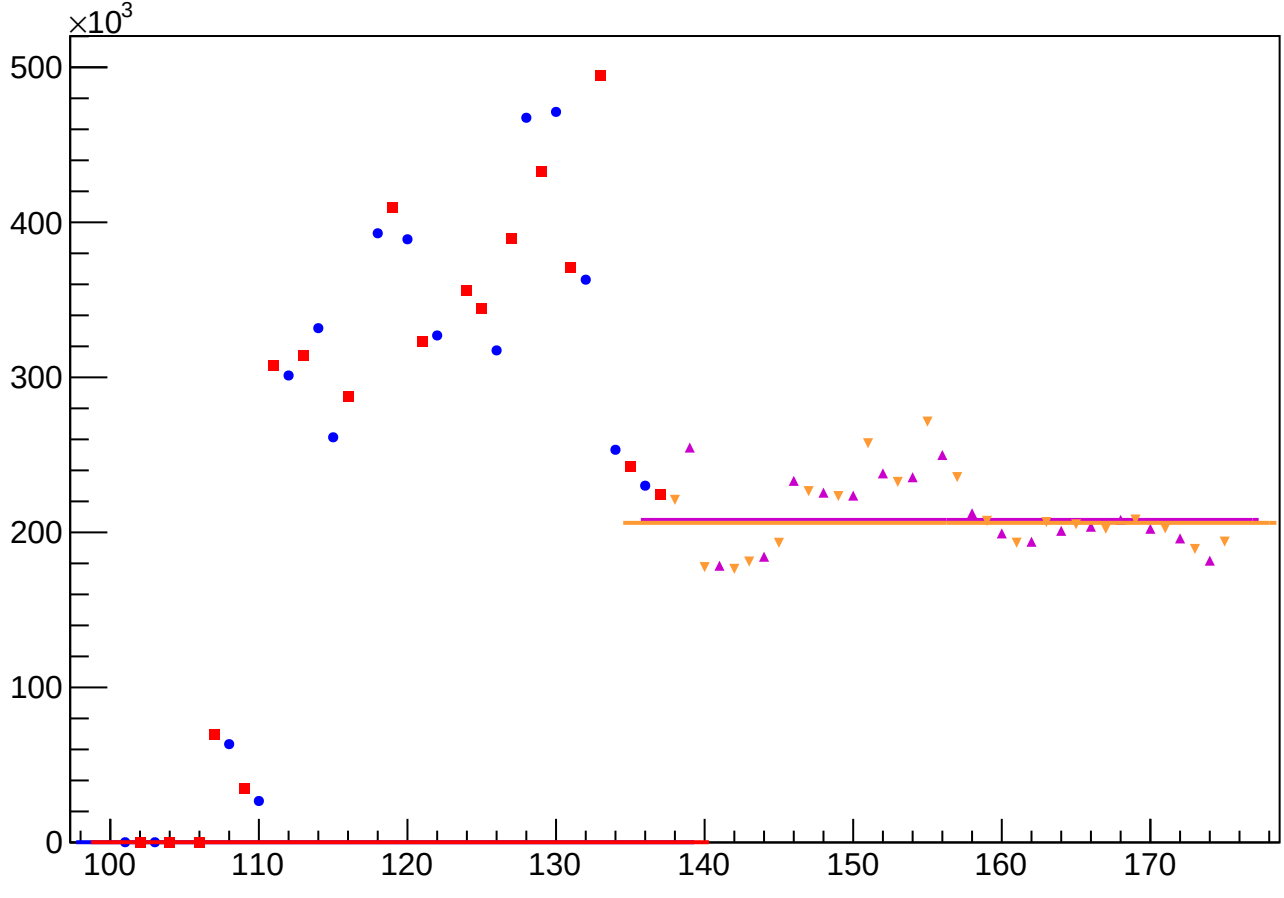
Left: -111.325+/-37.647 χ^2/NDF: 91.6/37

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:39.2/33

Out: 0.353+/-0.160 χ^2/NDF:95.8/38

All: 0.173+/-0.117 χ^2/NDF: 137.7/72



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206159.881+/-36.916 χ^2/NDF:371928.7/19

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 208045.936+/-38.422 χ^2/NDF:328515.7/17

Left: 207065.229+/-26.620 χ^2/NDF: 701697.4/37

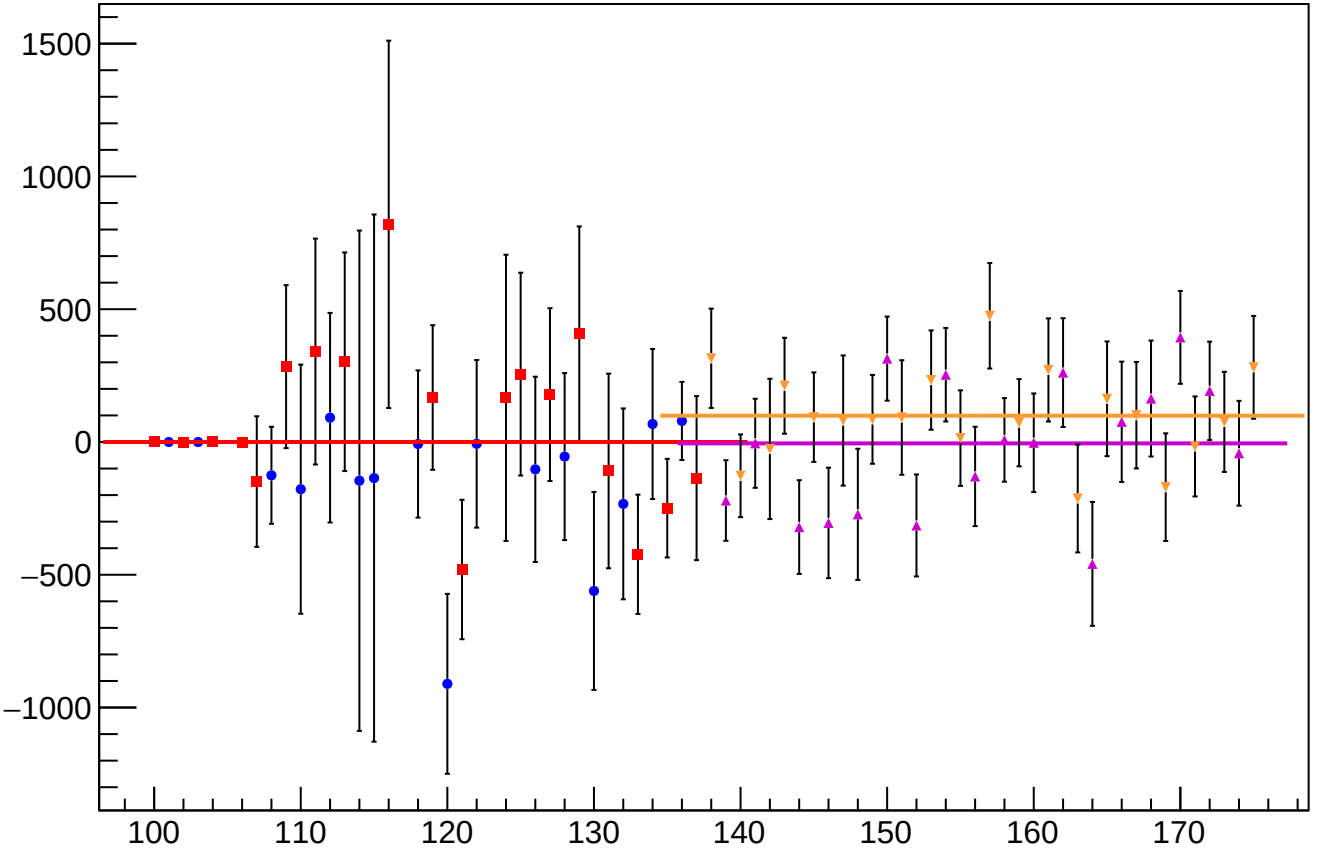
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.182+/-0.122 χ^2/NDF:40907560.7/33

Out: 151.317+/-0.113 χ^2/NDF:42801854.5/37

All: 151.254+/-0.083 χ^2/NDF: 83709415.8/71

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 98.957+/-42.627 χ^2/NDF:14.7/19

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -5.259+/-43.933 χ^2/NDF:30.3/17

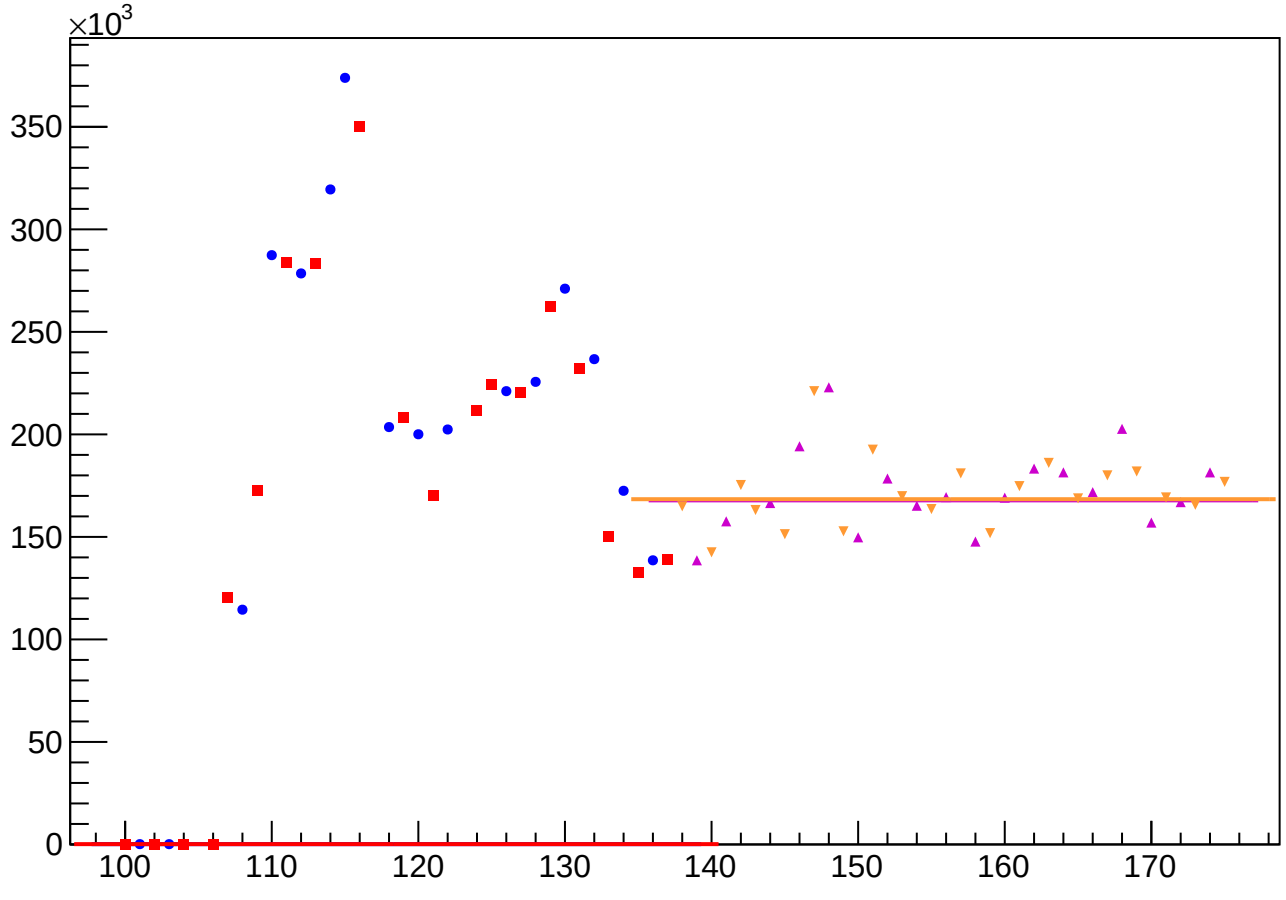
Left: 48.421+/-30.593 χ^2/NDF: 47.9/37

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:41.5/33

Out: -0.124+/-0.166 χ^2/NDF:35.3/38

All: -0.098+/-0.121 χ^2/NDF: 76.9/72



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 168390.613+/-30.142 χ^2/NDF:281891.8/19

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167823.455+/-31.066 χ^2/NDF:366299.5/17

Left: 168115.591+/-21.633 χ^2/NDF: 648362.9/37

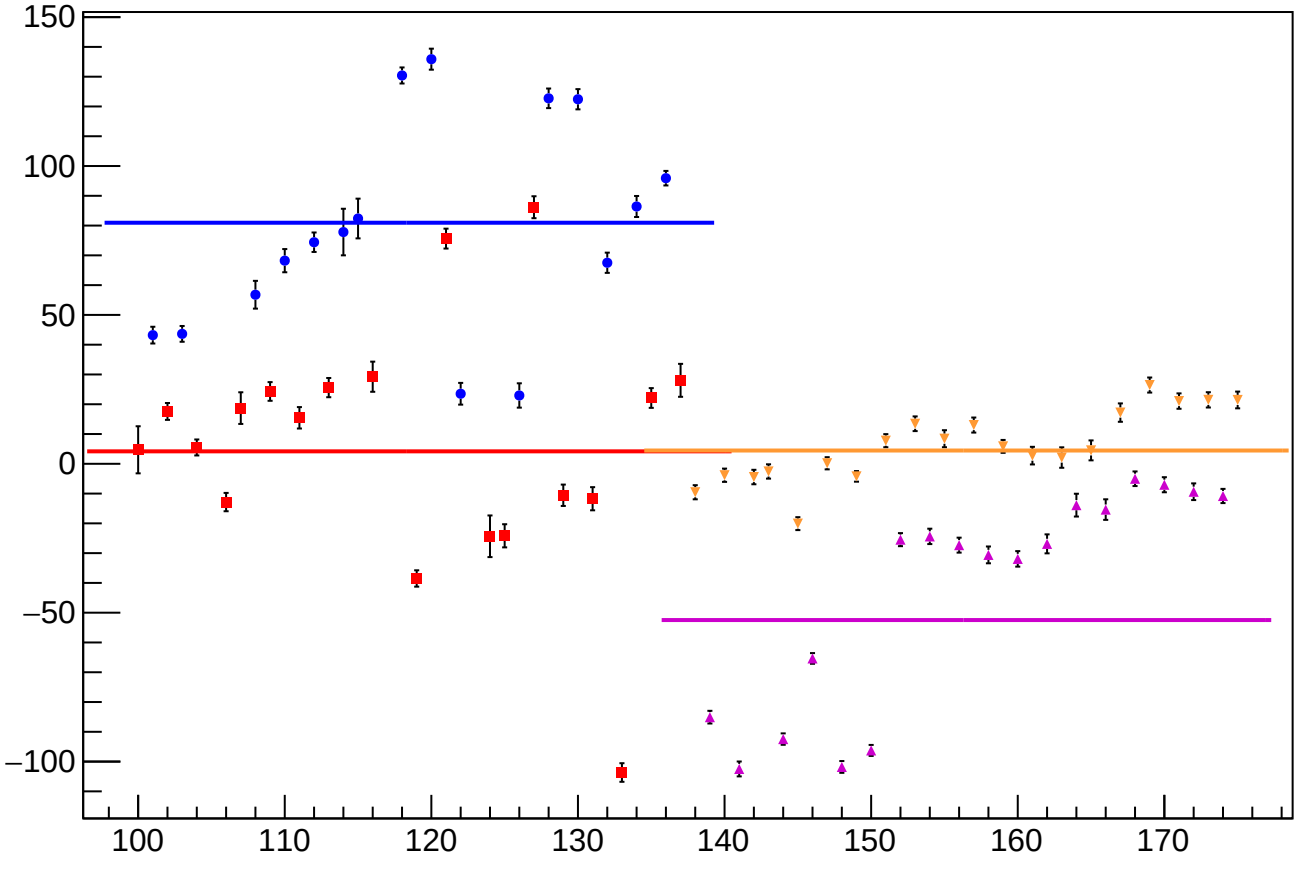
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.189+/-0.125 χ^2/NDF:41401467.9/33

Out: 158.724+/-0.118 χ^2/NDF:42764527.0/38

All: 157.535+/-0.086 χ^2/NDF: 84166212.3/72

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.461+/-0.548 χ^2/NDF:471.3/19

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -52.472+/-0.561 χ^2/NDF:4319.9/17

Left: -23.357+/-0.392 χ^2/NDF: 10062.0/37

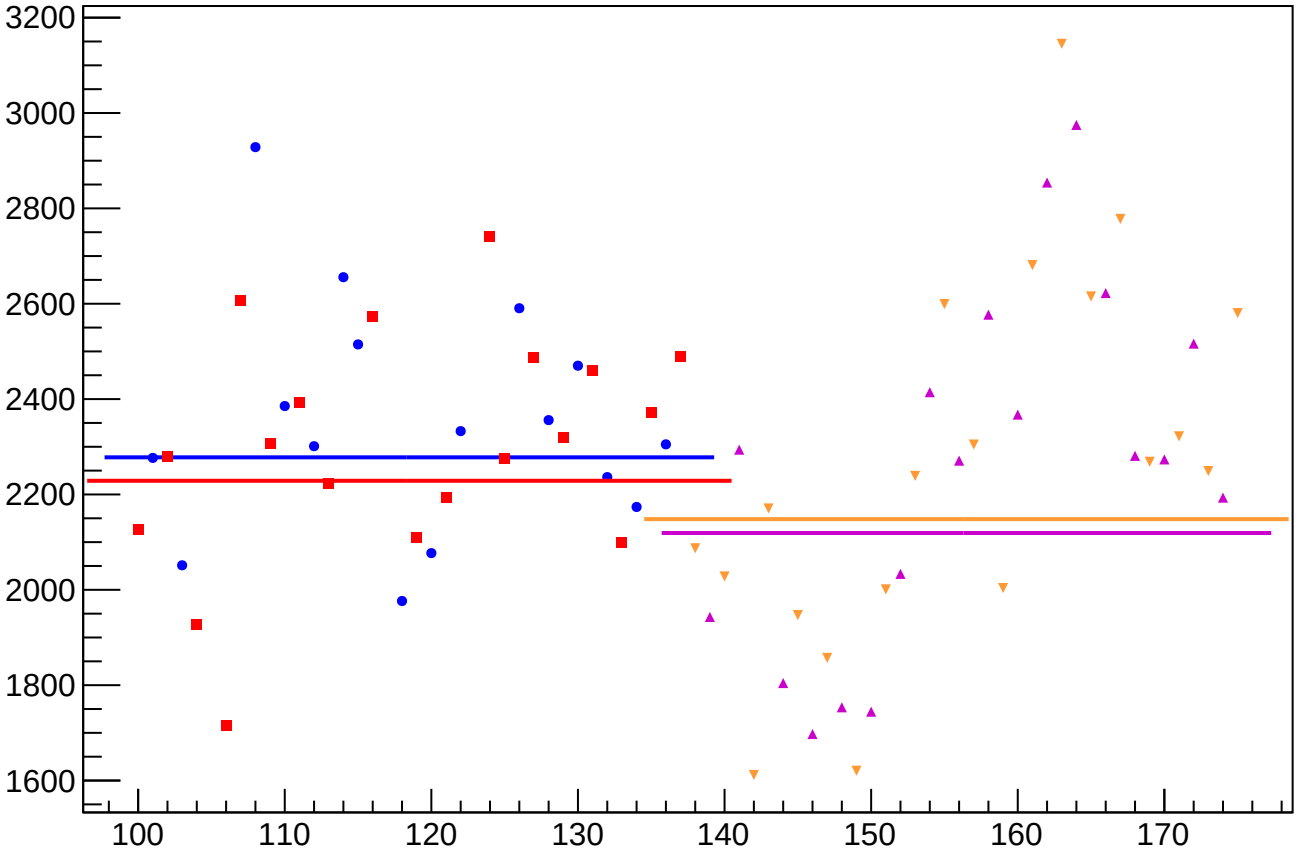
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.103+/-0.468 χ^2/NDF:23260.7/33

Out: 4.375+/-0.456 χ^2/NDF:3191.1/38

All: -3.639+/-0.327 χ^2/NDF: 27087.6/72

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2148.248+/-0.388 χ^2/NDF:835543.0/19

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2119.177+/-0.397 χ^2/NDF:753550.0/17

Left: 2134.044+/-0.277 χ^2/NDF: 1591841.5/37

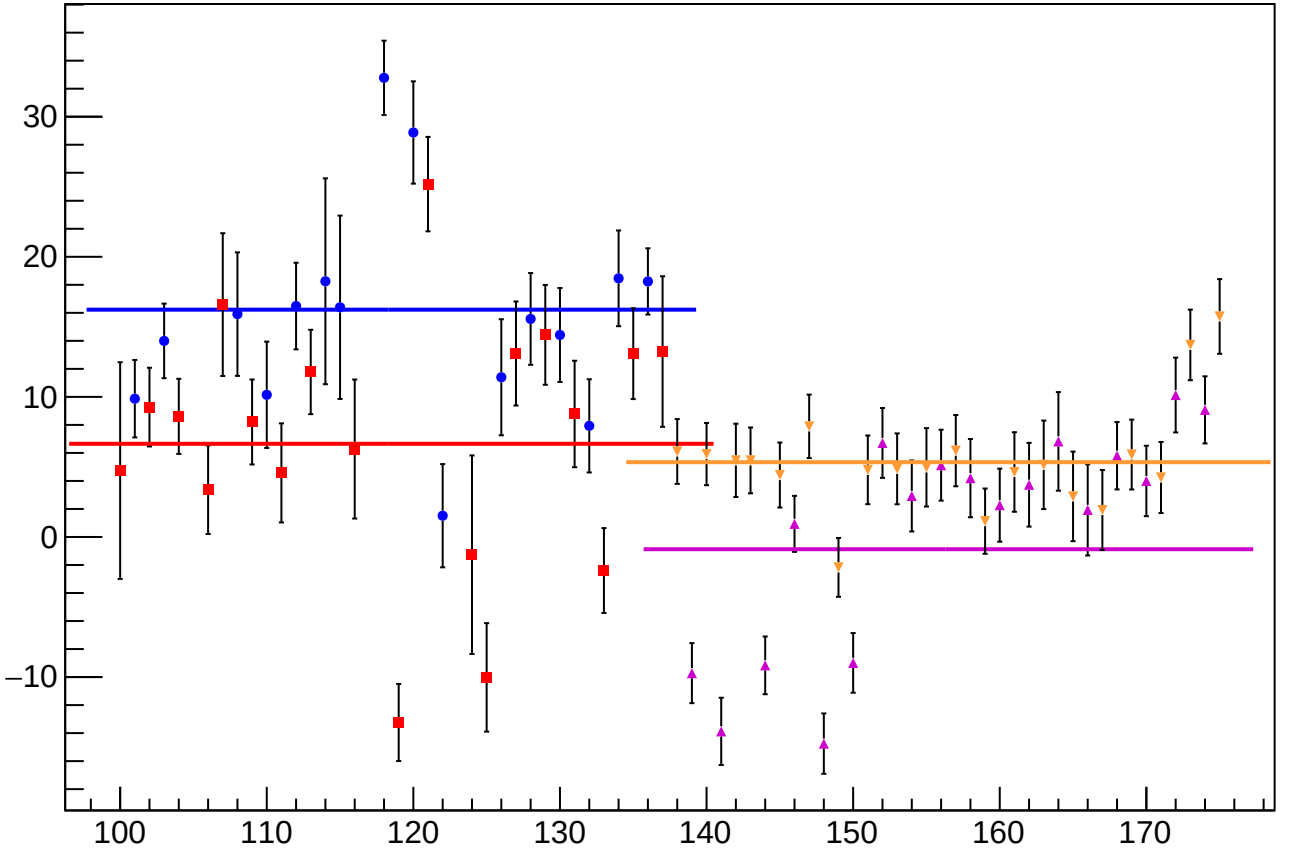
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2167.190+/-0.331 χ^2/NDF:917774.0/33

Out: 2173.089+/-0.322 χ^2/NDF:999978.6/38

All: 2170.220+/-0.231 χ^2/NDF: 1917915.5/72

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.340+/-0.561 χ^2/NDF:46.5/19

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.873+/-0.578 χ^2/NDF:194.8/17

Left: 2.324+/-0.403 χ^2/NDF: 300.7/37

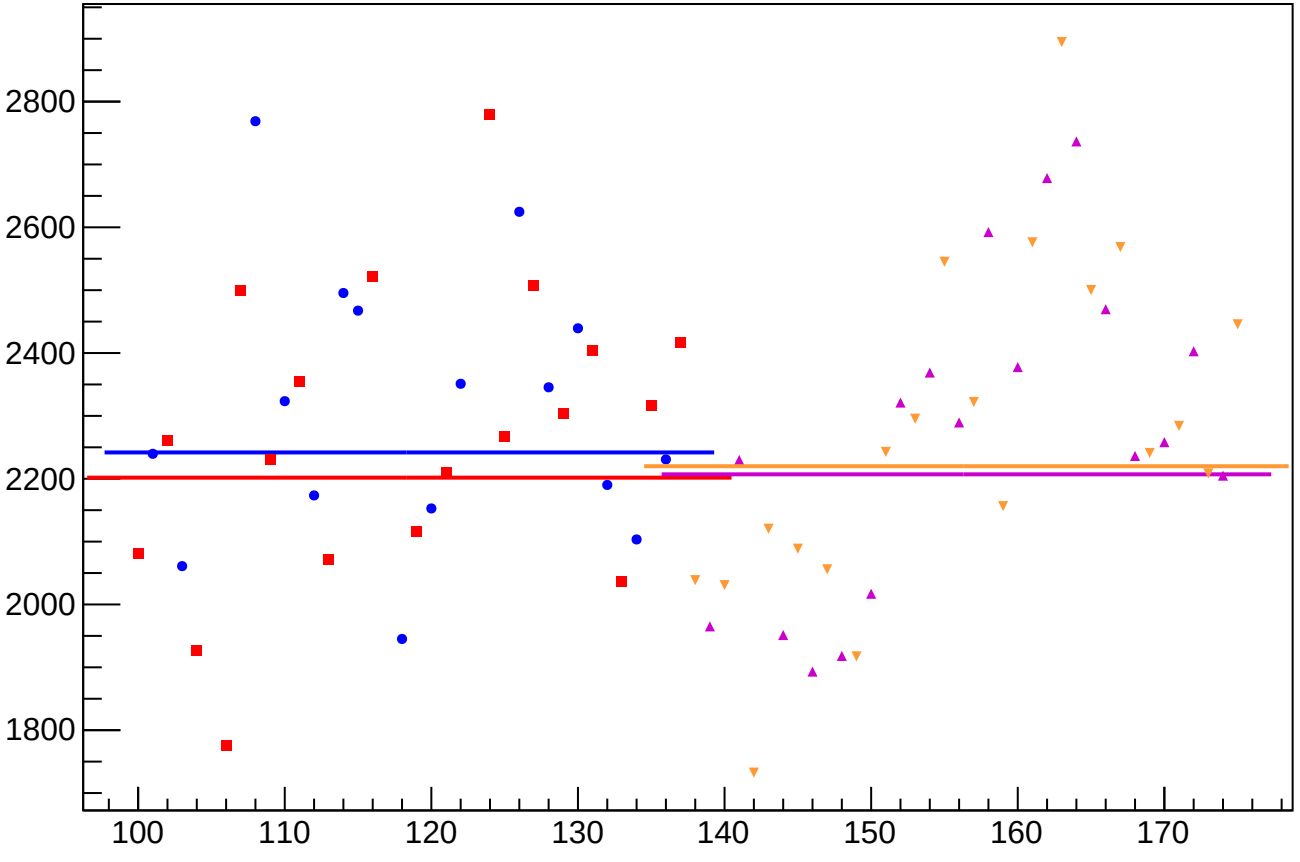
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.642+/-0.476 χ^2/NDF:561.7/33

Out: 5.767+/-0.461 χ^2/NDF:182.8/38

All: 5.222+/-0.331 χ^2/NDF: 747.4/72

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2219.940+/-0.397 χ^2/NDF:375567.3/19

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2207.013+/-0.409 χ^2/NDF:338653.2/17

Left: 2213.664+/-0.285 χ^2/NDF: 714735.3/37

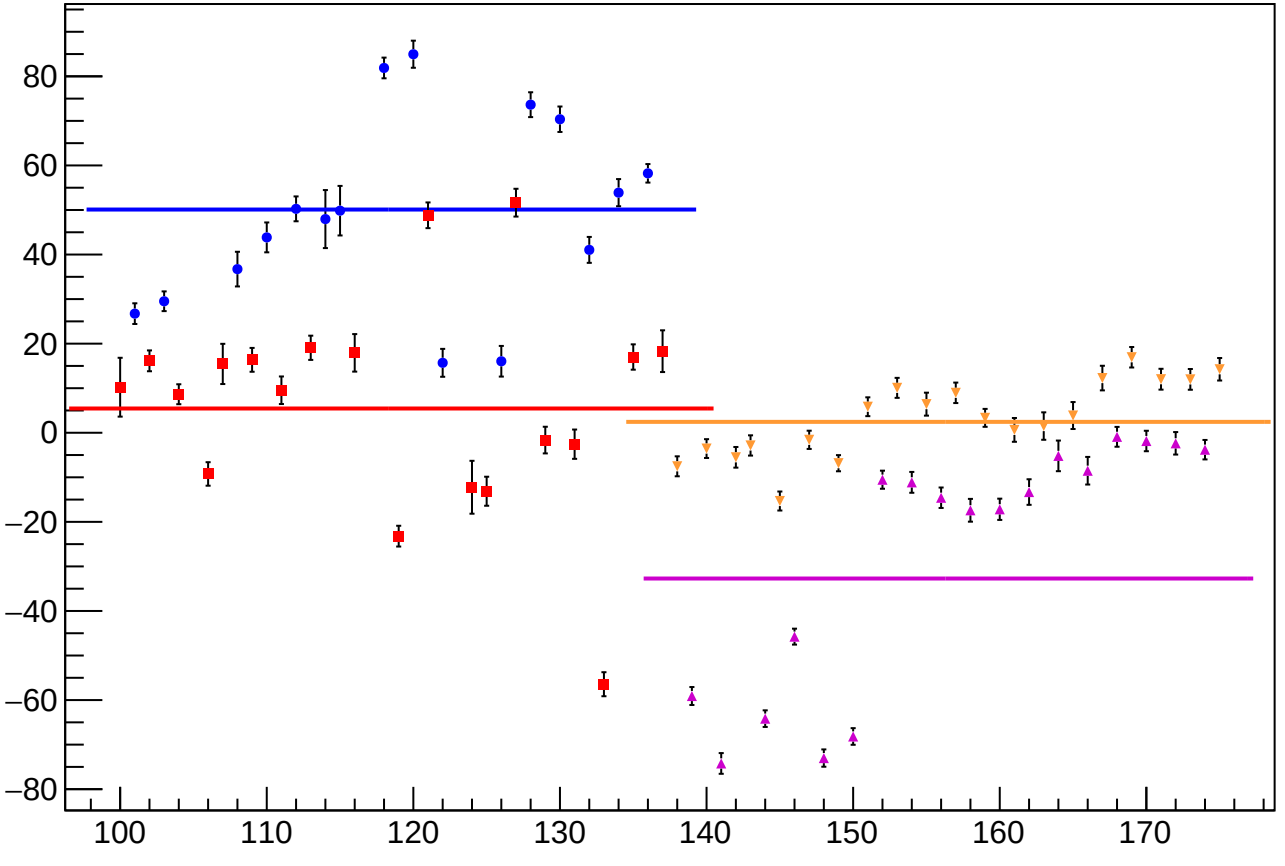
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2218.251+/-0.336 χ^2/NDF:443258.0/33

Out: 2214.027+/-0.326 χ^2/NDF:506132.8/38

All: 2216.074+/-0.234 χ^2/NDF: 949472.1/72

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.445+/-0.515 χ^2/NDF:278.0/19

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -32.718+/-0.527 χ^2/NDF:2838.1/17

Left: -14.706+/-0.368 χ^2/NDF: 5392.5/37

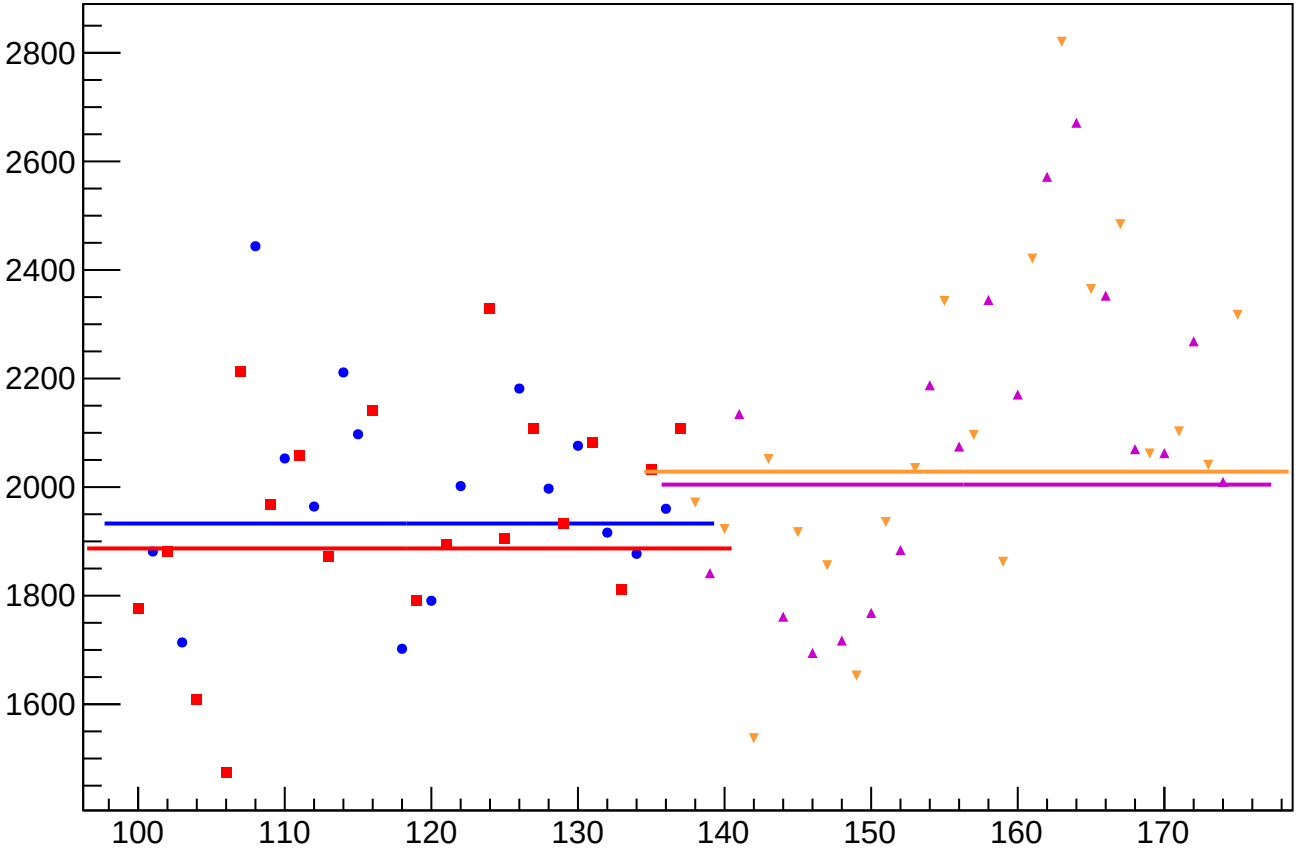
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.904+/-0.426 χ^2/NDF:12304.0/33

Out: 3.508+/-0.413 χ^2/NDF:1601.6/38

All: -0.088+/-0.297 χ^2/NDF: 14061.5/72

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2028.492+/-0.364 χ^2/NDF:533889.7/19

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2004.592+/-0.373 χ^2/NDF:458737.6/17

Left: 2016.834+/-0.260 χ^2/NDF: 994730.7/37

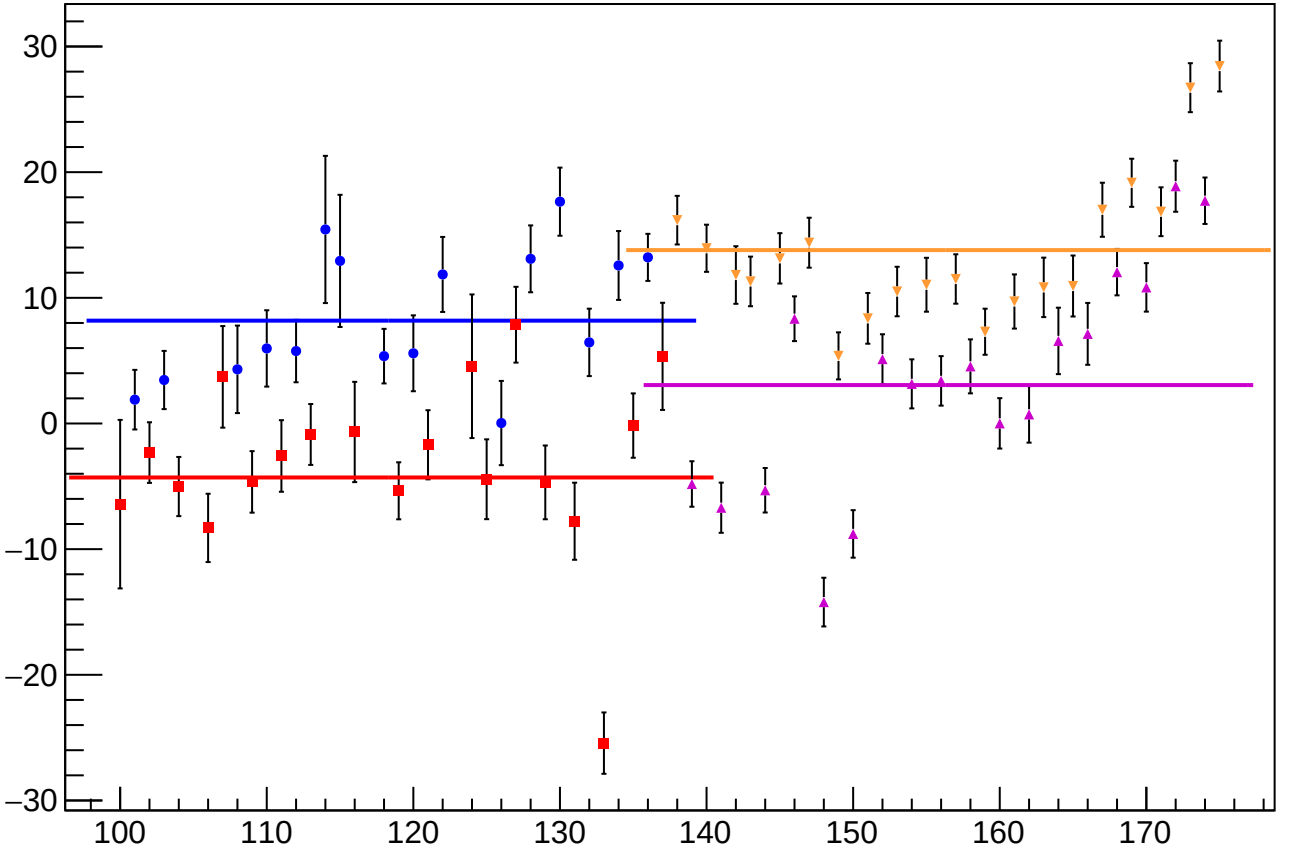
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1979.651+/-0.301 χ^2/NDF:577557.9/33

Out: 1978.310+/-0.292 χ^2/NDF:737238.3/38

All: 1978.961+/-0.210 χ^2/NDF: 1314806.5/72

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.797+/-0.452 χ^2/NDF:165.5/19

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 3.057+/-0.467 χ^2/NDF:365.7/17

Left: 8.602+/-0.325 χ^2/NDF: 804.0/37

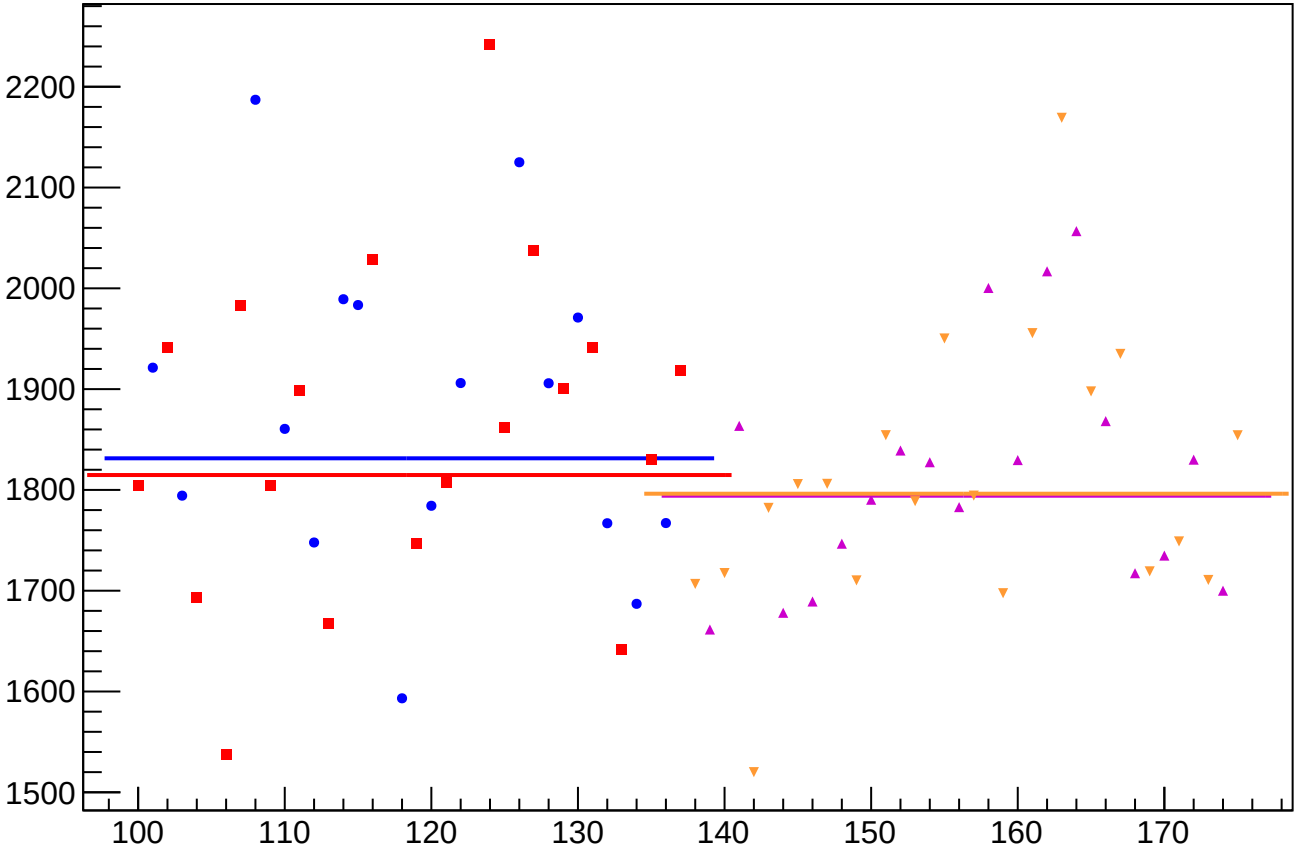
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 4.689+/-0.386 χ^2/NDF:456.0/33

Out: 8.081+/-0.374 χ^2/NDF:785.2/38

All: 6.437+/-0.269 χ^2/NDF: 1281.0/72

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1796.234+/-0.320 χ^2/NDF:141459.3/19

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1794.252+/-0.330 χ^2/NDF:102914.8/17

Left: 1795.275+/-0.230 χ^2/NDF: 244392.6/37

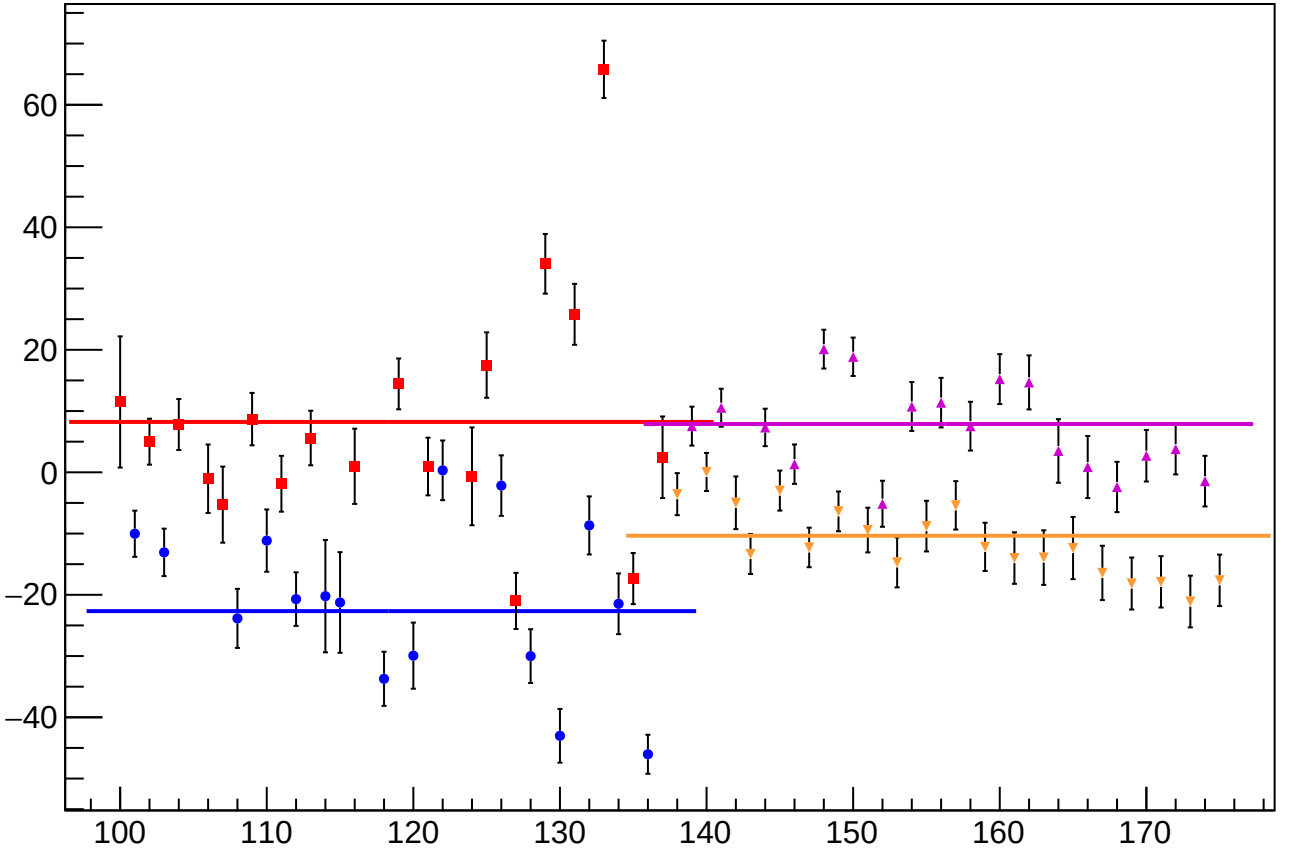
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1806.070+/-0.273 χ^2/NDF:193850.6/33

Out: 1802.091+/-0.264 χ^2/NDF:233259.9/38

All: 1804.019+/-0.190 χ^2/NDF: 427220.2/72

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.355+/-0.856 χ^2/NDF:47.1/19

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 7.883+/-0.882 χ^2/NDF:67.5/17

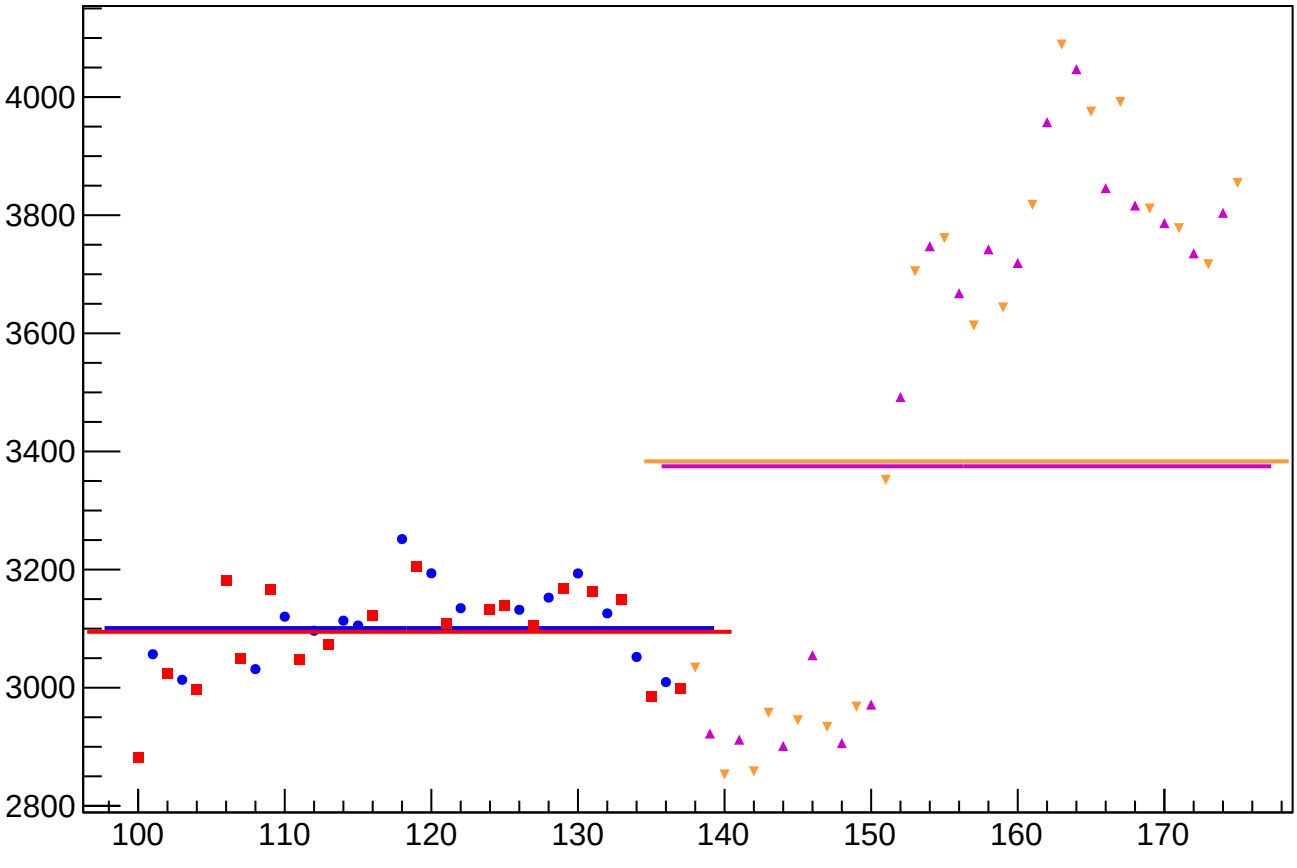
Left: -1.505+/-0.614 χ^2/NDF: 334.8/37

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.403+/-0.700 χ^2/NDF:668.0/33

Out: -3.570+/-0.682 χ^2/NDF:513.9/38

All: -3.489+/-0.489 χ^2/NDF: 1181.9/72



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3383.310+/-0.605 χ^2/NDF:506954.9/19

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3374.884+/-0.624 χ^2/NDF:455593.7/17

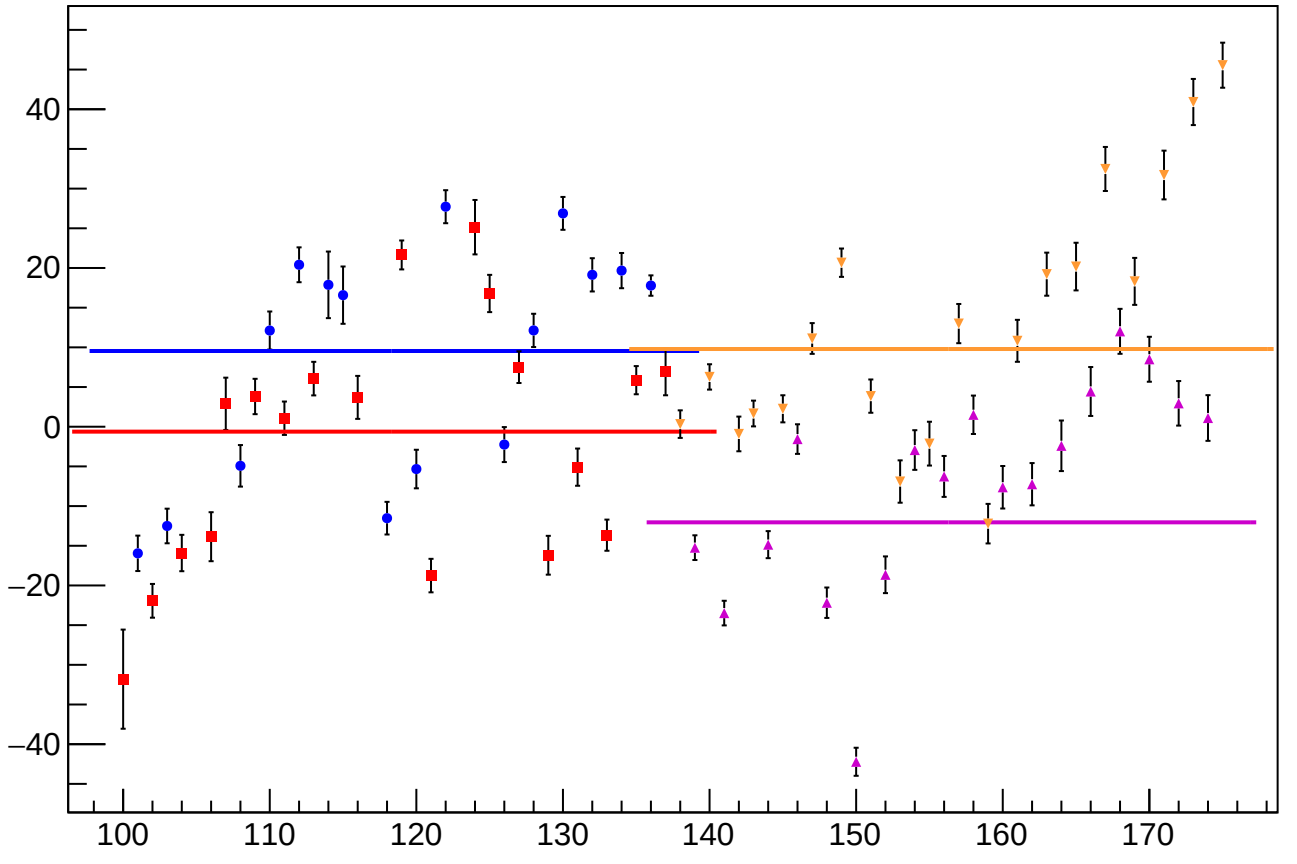
Left: 3379.222+/-0.434 χ^2/NDF: 962642.7/37

Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

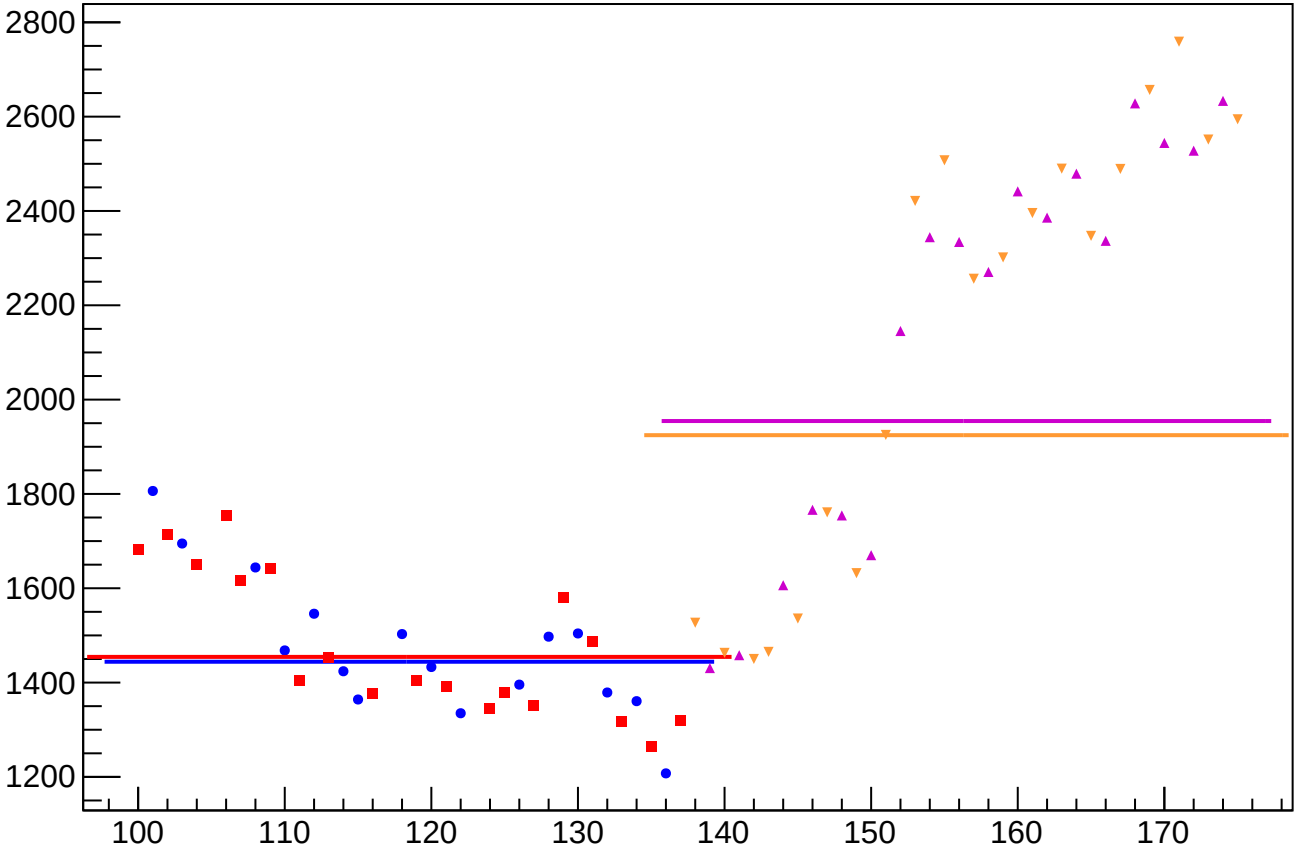
In: 3273.669+/-0.495 χ^2/NDF:534805.8/33

Out: 3277.914+/-0.482 χ^2/NDF:598545.6/38

All: 3275.847+/-0.345 χ^2/NDF: 1133389.1/72


diff_bpm0l01Y_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 9.540+/-0.541 χ²/NDF: 698.7/15
Left Out: 9.791+/-0.497 χ²/NDF:709.6/19
Right Out: -0.620+/-0.534 χ²/NDF: 665.8/18
Left In: -12.047+/-0.520 χ²/NDF:687.9/17
Left: -0.649+/-0.359 χ²/NDF: 2318.9/37
Right: 4.392+/-0.380 χ²/NDF: 1543.1/34
In: -1.691+/-0.375 χ²/NDF:2214.1/33
Out: 4.956+/-0.364 χ²/NDF:1578.9/38
All: 1.730+/-0.261 χ²/NDF: 3954.8/72

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1924.586+/-0.352 χ^2/NDF:1685218.3/19

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1954.579+/-0.368 χ^2/NDF:1346584.0/17

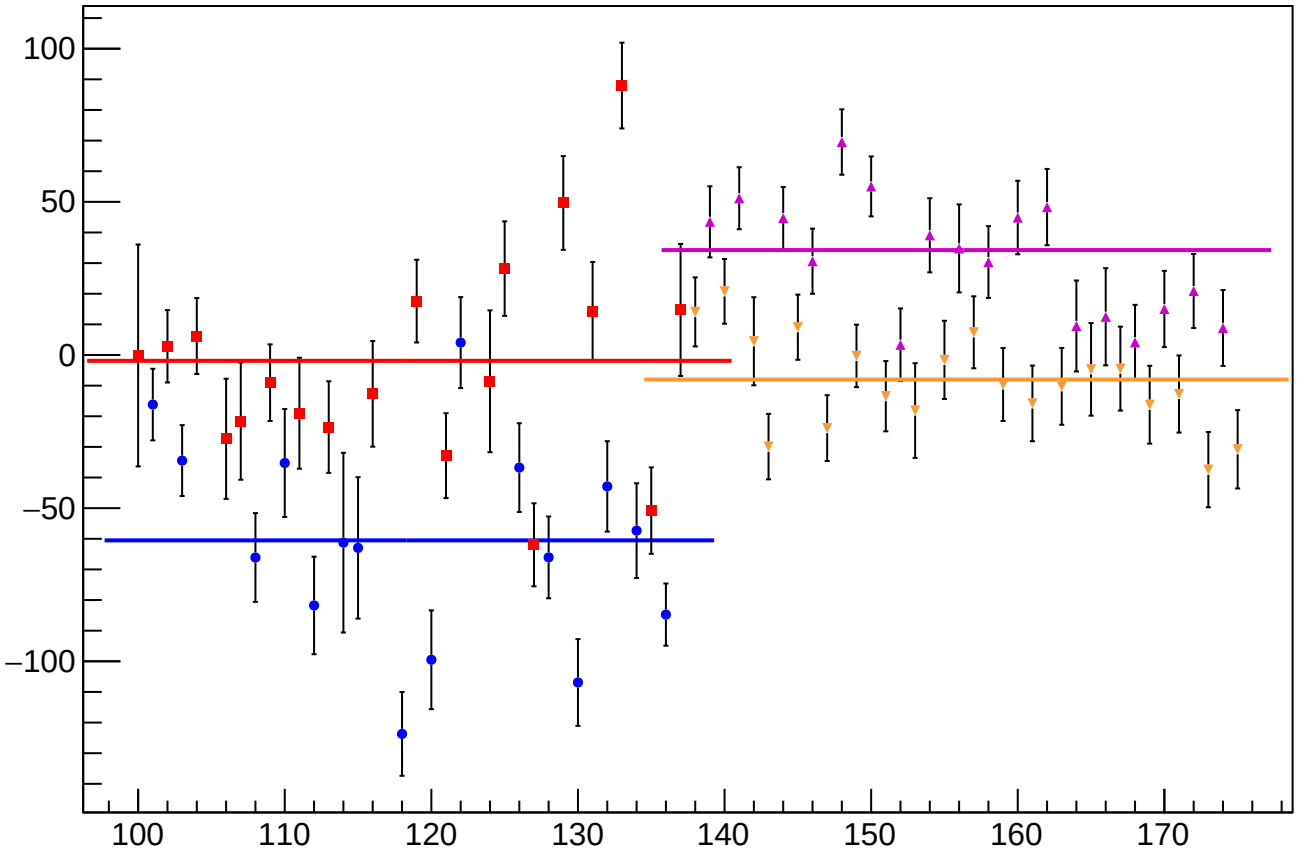
Left: 1938.924+/-0.254 χ^2/NDF: 3035278.2/37

Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1709.736+/-0.265 χ^2/NDF:2451849.7/33

Out: 1706.219+/-0.257 χ^2/NDF:2657732.0/38

All: 1707.925+/-0.185 χ^2/NDF: 5109672.3/72



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.018+/-2.696 χ^2/NDF:34.2/19

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 34.261+/-2.779 χ^2/NDF:47.7/17

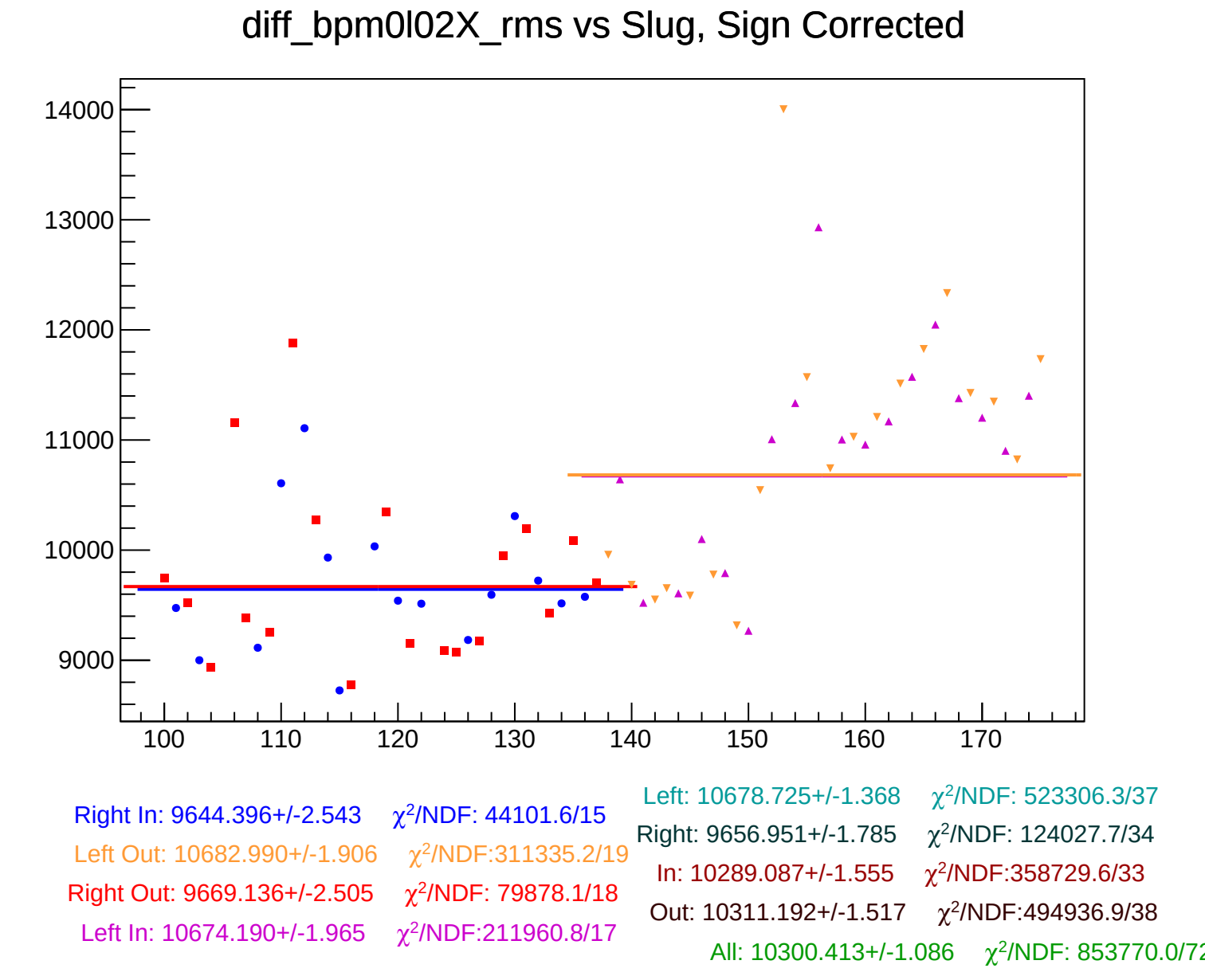
Left: 12.477+/-1.935 χ^2/NDF: 201.1/37

Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

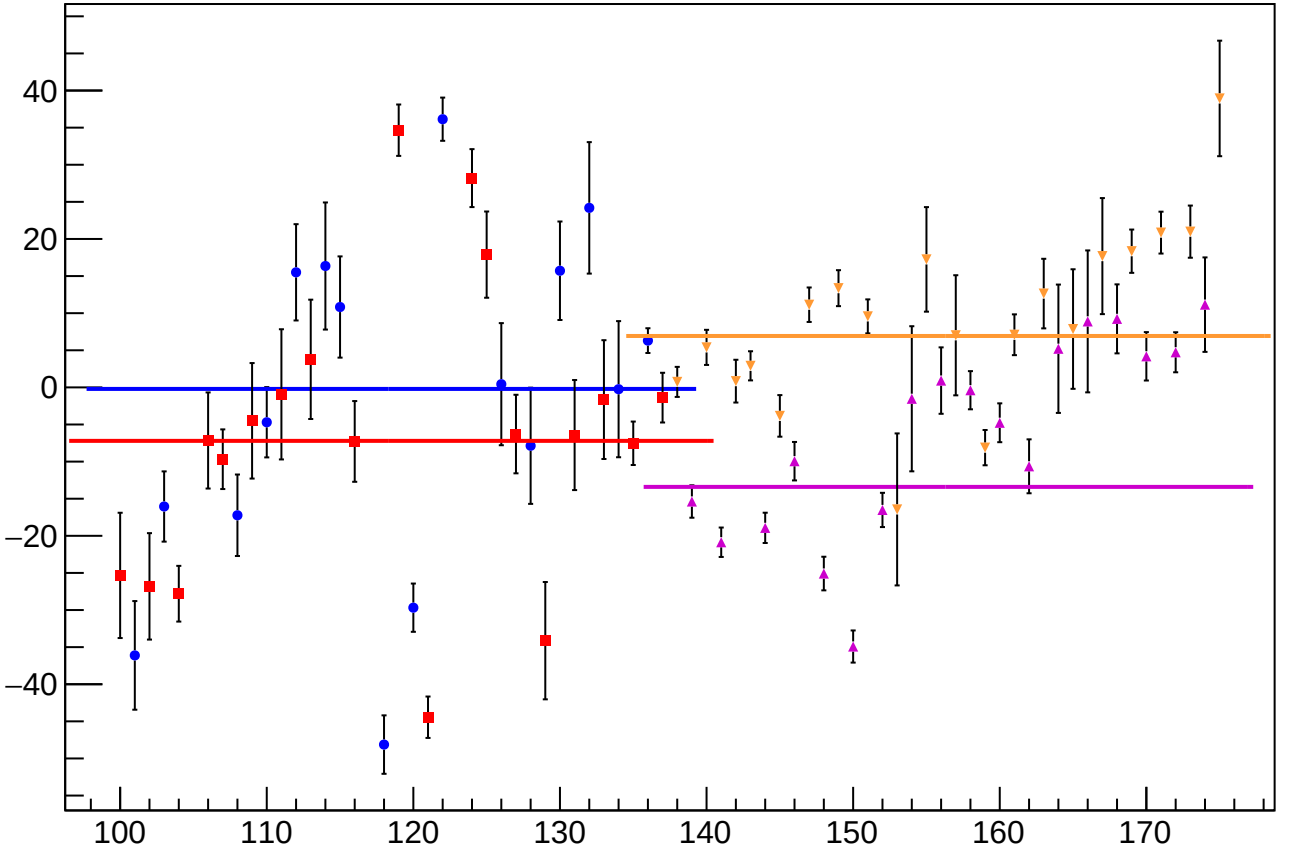
In: -1.182+/-2.199 χ^2/NDF:572.9/33

Out: -5.772+/-2.145 χ^2/NDF:139.9/38

All: -3.534+/-1.536 χ^2/NDF: 715.0/72


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10682.990+/-1.906 χ²/NDF:311335.2/19
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10674.190+/-1.965 χ²/NDF:211960.8/17
Left: 10678.725+/-1.368 χ²/NDF: 523306.3/37
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10289.087+/-1.555 χ²/NDF:358729.6/33
Out: 10311.192+/-1.517 χ²/NDF:494936.9/38
All: 10300.413+/-1.086 χ²/NDF: 853770.0/72

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.928+/-0.667 χ^2/NDF:168.4/19

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -13.406+/-0.673 χ^2/NDF:323.1/17

Left: -3.149+/-0.474 χ^2/NDF: 952.2/37

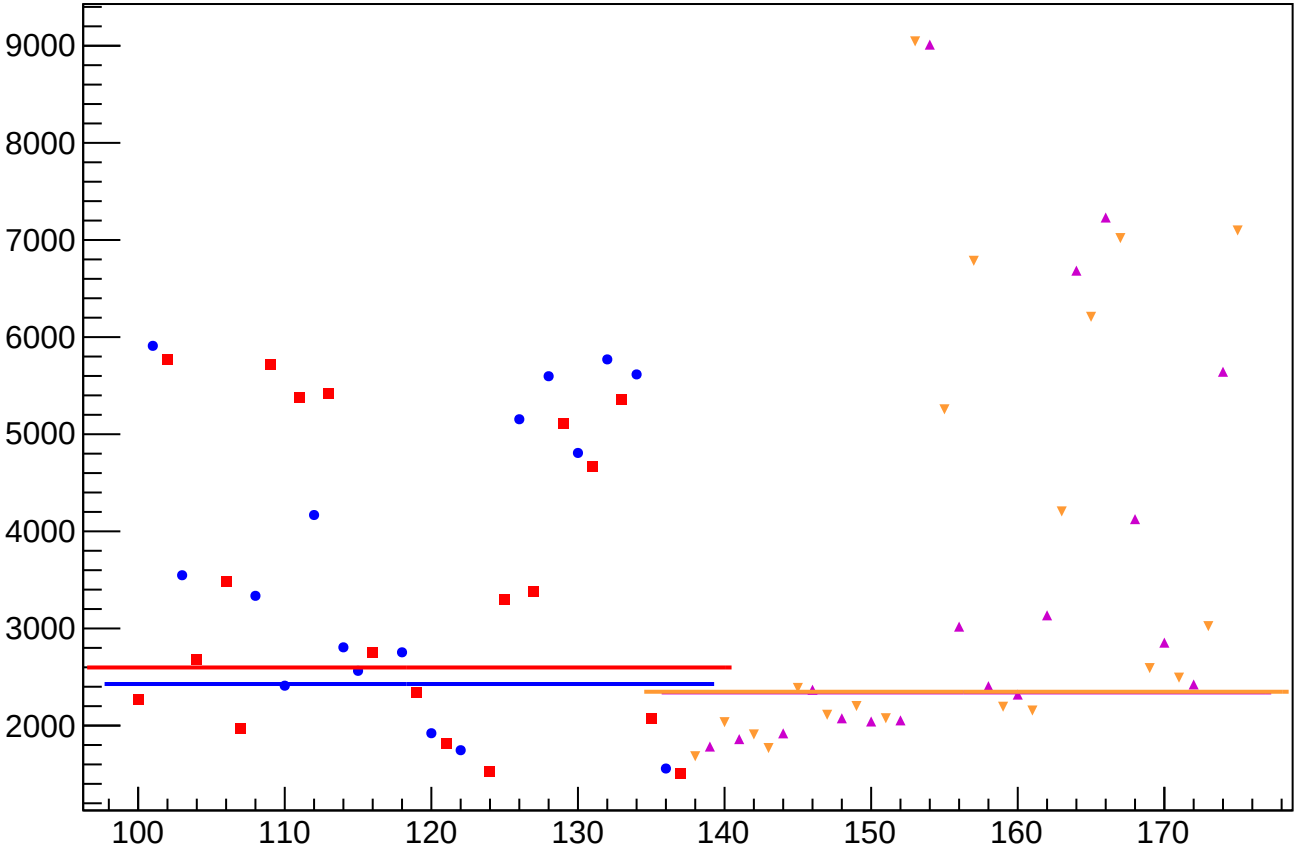
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.540+/-0.566 χ^2/NDF:909.5/33

Out: 2.993+/-0.566 χ^2/NDF:779.1/38

All: -3.282+/-0.400 χ^2/NDF: 1933.7/72

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2348.359+/-0.472 χ^2/NDF:4668879.2/19

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2341.225+/-0.476 χ^2/NDF:3415803.2/17

Left: 2344.824+/-0.335 χ^2/NDF: 8084795.7/37

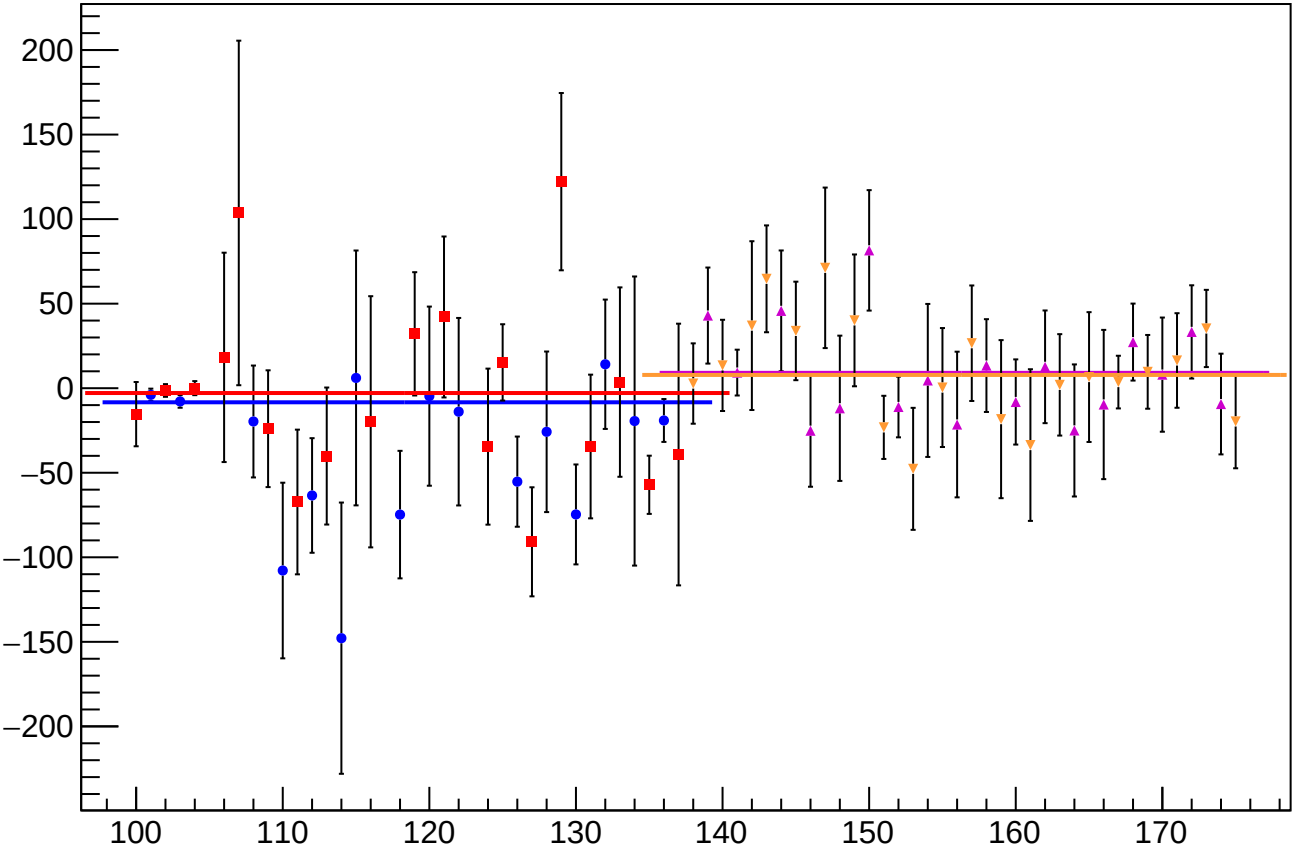
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2366.664+/-0.400 χ^2/NDF:6240901.2/33

Out: 2417.945+/-0.401 χ^2/NDF:7262043.0/38

All: 2392.271+/-0.283 χ^2/NDF: 13511149.9/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.851+/-6.250 χ^2/NDF:16.2/19

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.083+/-6.447 χ^2/NDF:12.9/17

Left: 8.448+/-4.488 χ^2/NDF: 29.2/37

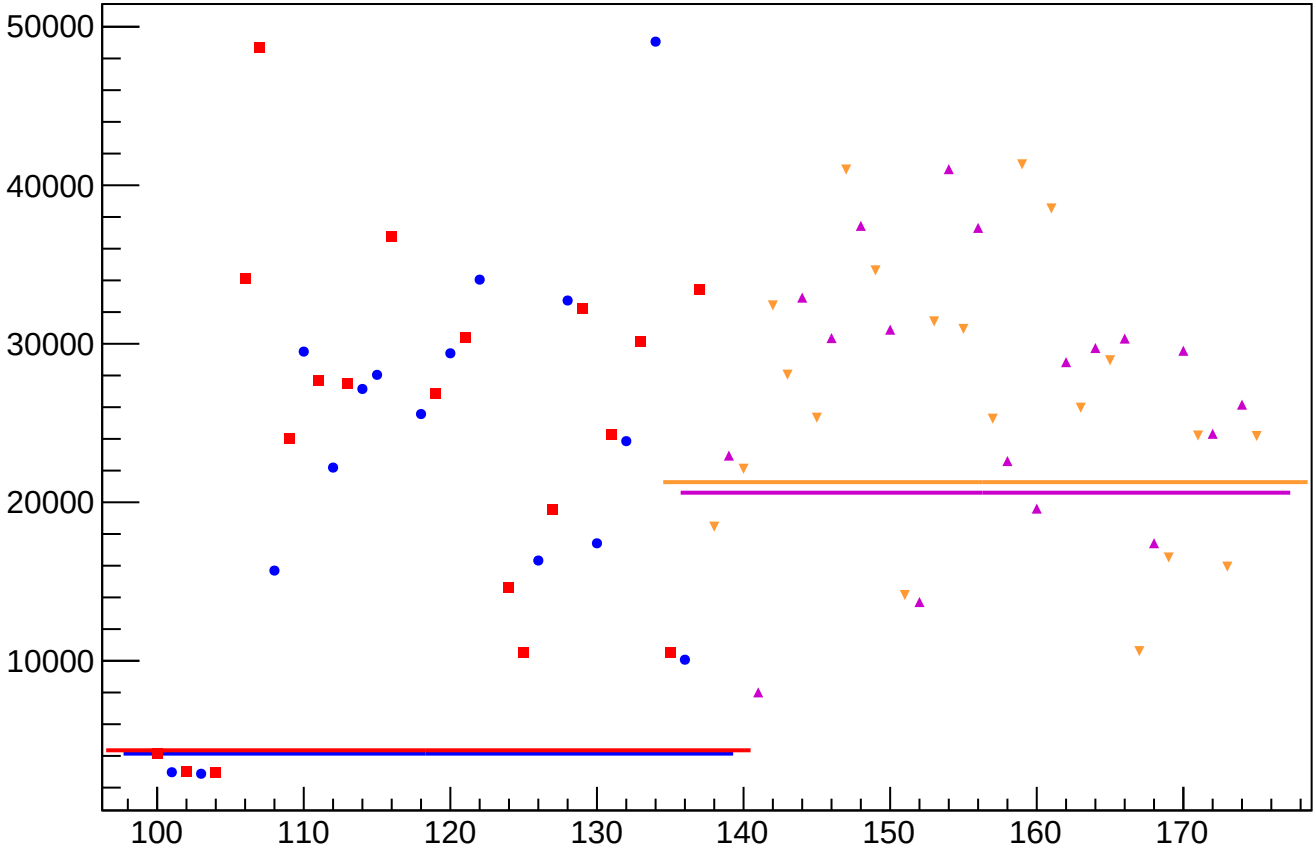
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.057+/-2.330 χ^2/NDF:42.7/33

Out: -1.229+/-2.432 χ^2/NDF:51.3/38

All: -3.745+/-1.682 χ^2/NDF: 96.1/72

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21270.861+/-4.420 χ^2/NDF:3447399.7/19

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20606.143+/-4.559 χ^2/NDF:4257336.8/17

Left: 20948.794+/-3.173 χ^2/NDF: 7715696.3/37

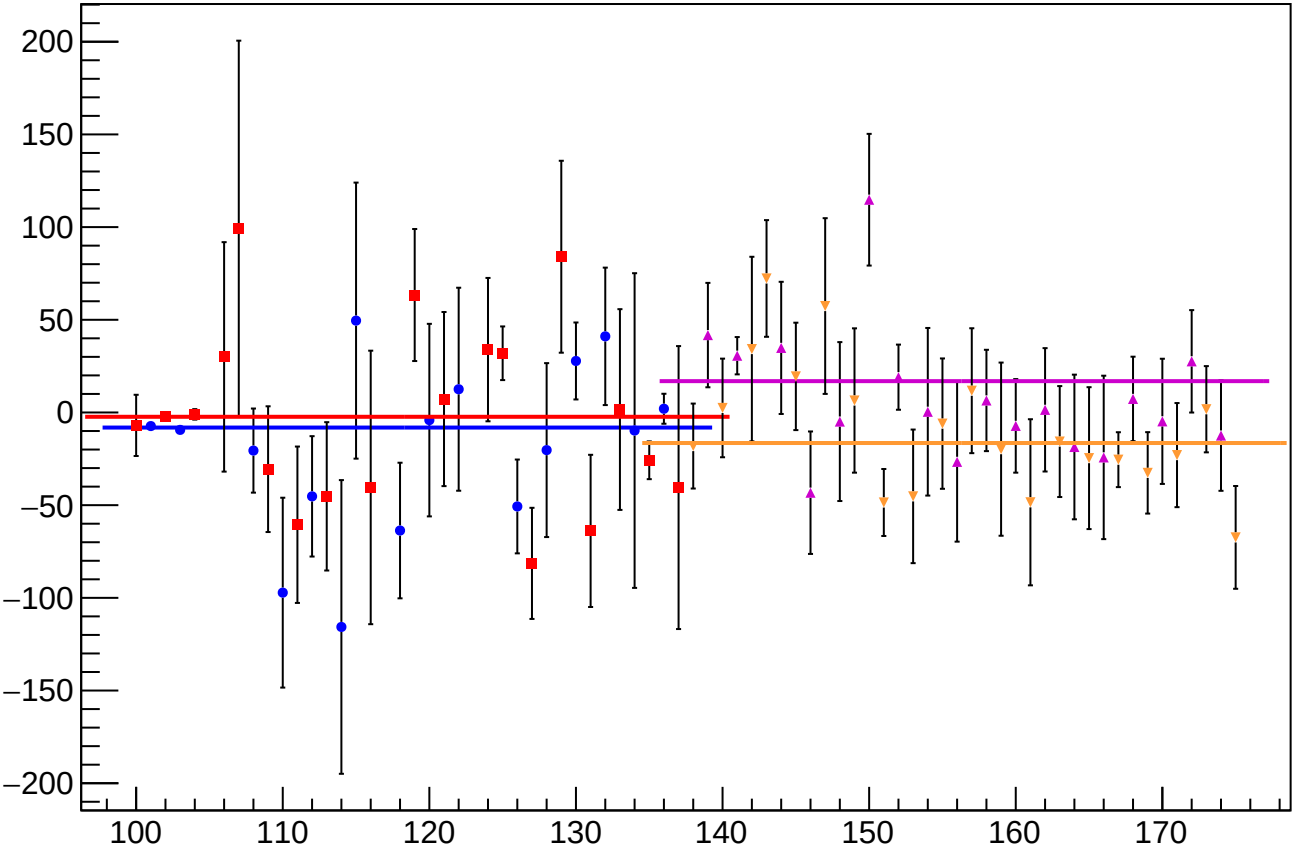
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6296.484+/-1.648 χ^2/NDF:22428327.0/33

Out: 6914.746+/-1.719 χ^2/NDF:23504896.2/38

All: 6592.476+/-1.190 χ^2/NDF: 46000618.5/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -16.469+/-6.159 χ^2/NDF:23.9/19

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 16.903+/-5.906 χ^2/NDF:19.9/17

Left: 0.916+/-4.263 χ^2/NDF: 59.1/37

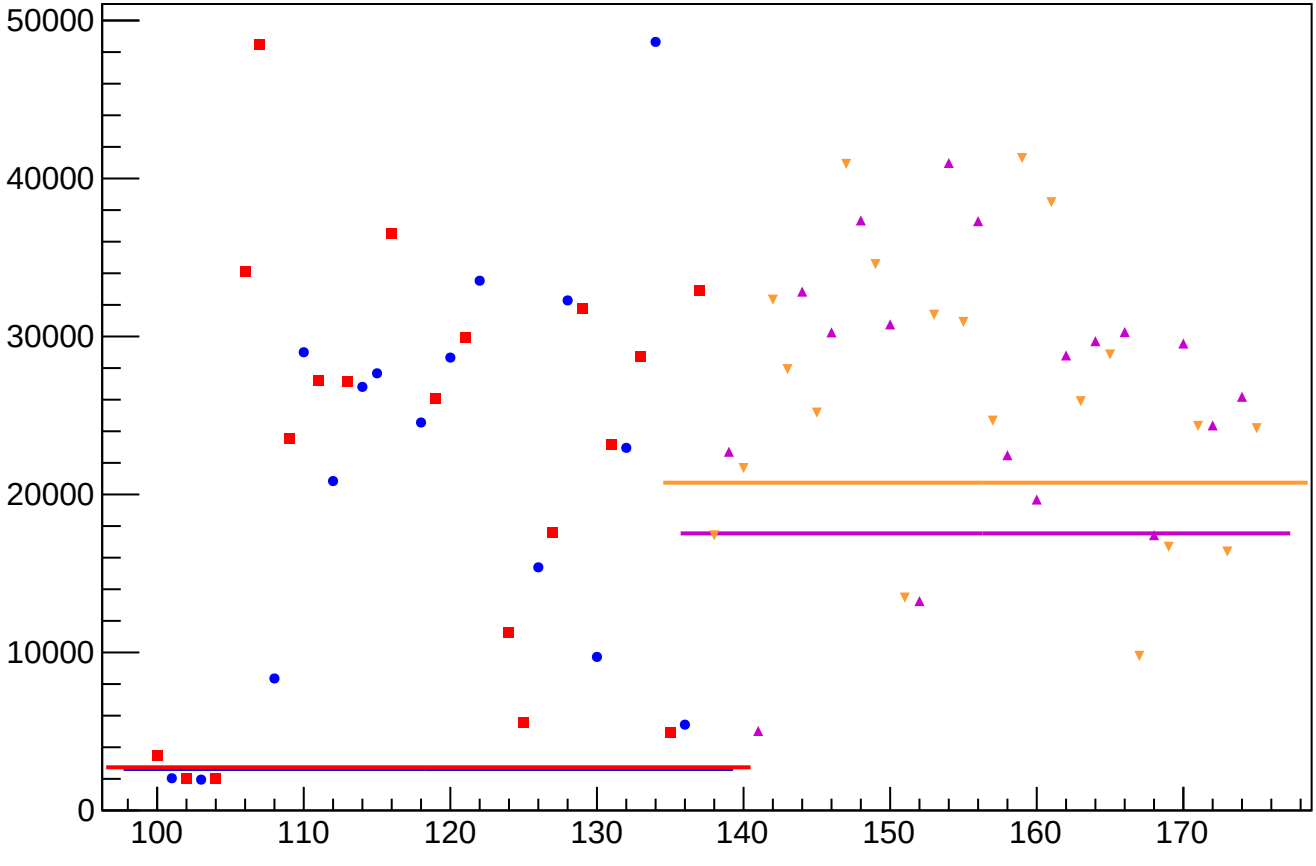
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.175+/-1.652 χ^2/NDF:55.6/33

Out: -3.462+/-1.747 χ^2/NDF:61.8/38

All: -4.894+/-1.200 χ^2/NDF: 118.7/72

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20745.874+/-4.355 χ^2/NDF:3760612.7/19

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17537.192+/-4.177 χ^2/NDF:6818323.7/17

Left: 19074.315+/-3.014 χ^2/NDF: 10861689.4/37

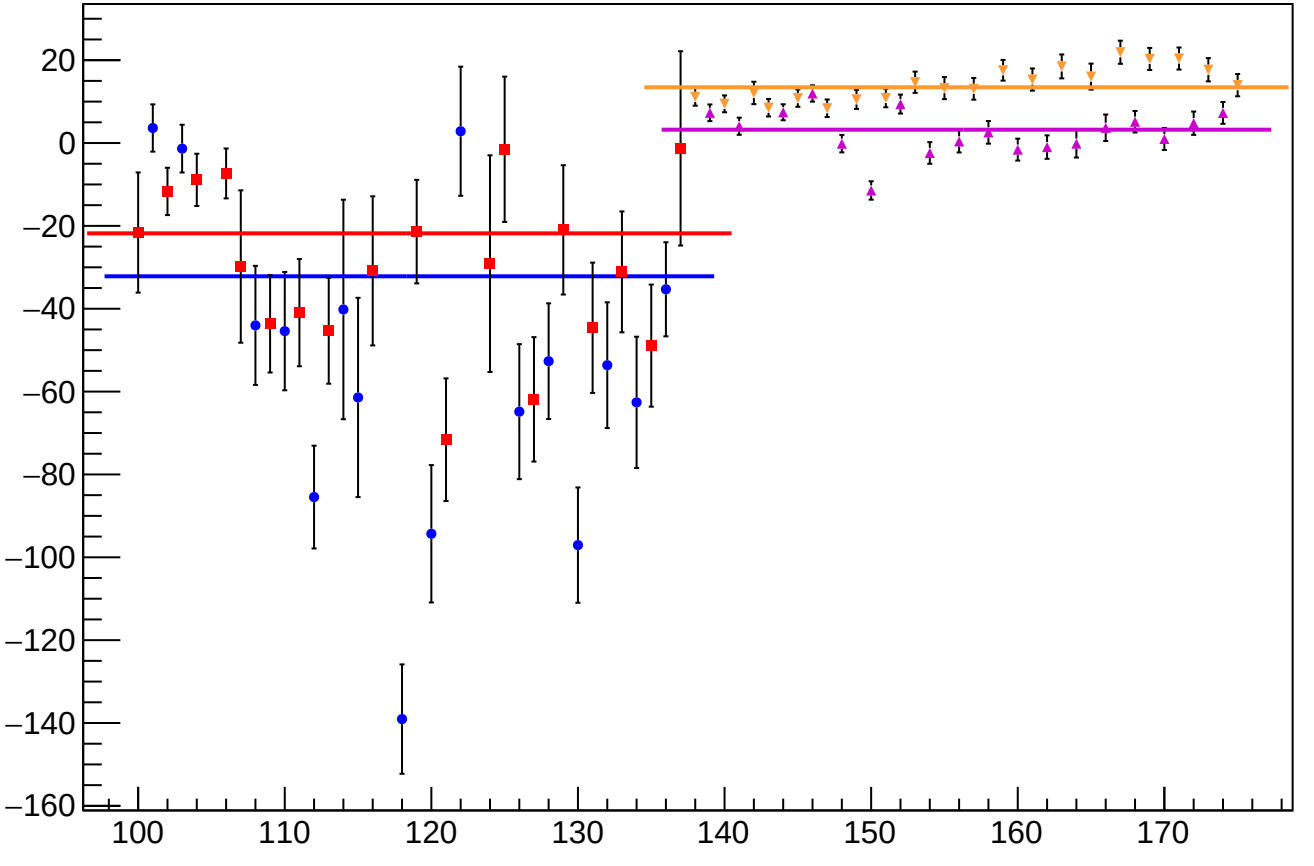
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3792.516+/-1.168 χ^2/NDF:25348354.2/33

Out: 4179.326+/-1.235 χ^2/NDF:27480654.2/38

All: 3975.104+/-0.849 χ^2/NDF: 52880782.4/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.451+/-0.551 χ^2/NDF:52.8/19

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.221+/-0.572 χ^2/NDF:98.5/17

Left: 8.521+/-0.397 χ^2/NDF: 317.3/37

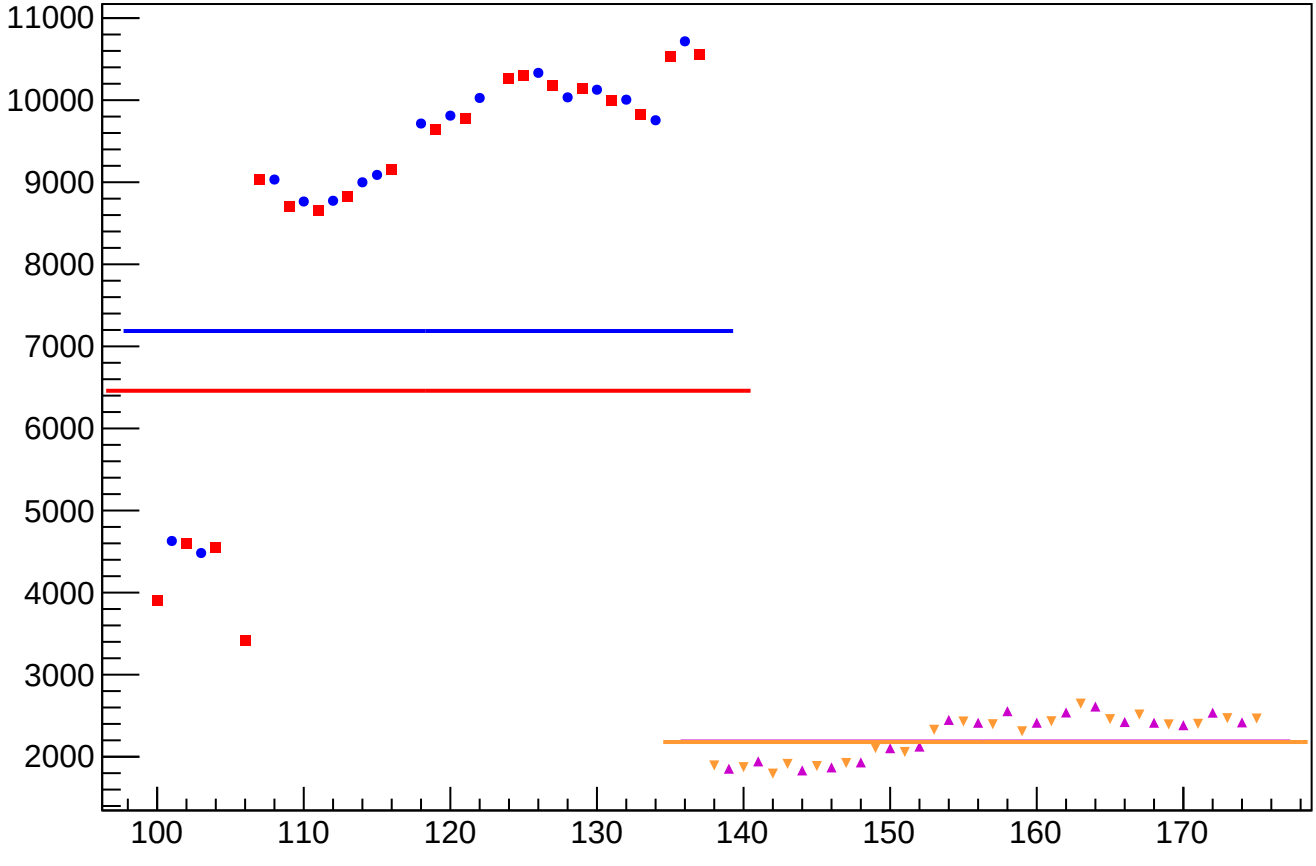
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.845+/-0.560 χ^2/NDF:455.3/33

Out: 11.886+/-0.539 χ^2/NDF:283.5/38

All: 7.061+/-0.388 χ^2/NDF: 905.6/72

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2179.538+/-0.390 χ^2/NDF:458305.9/19

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2185.736+/-0.404 χ^2/NDF:467355.5/17

Left: 2182.526+/-0.281 χ^2/NDF: 925783.2/37

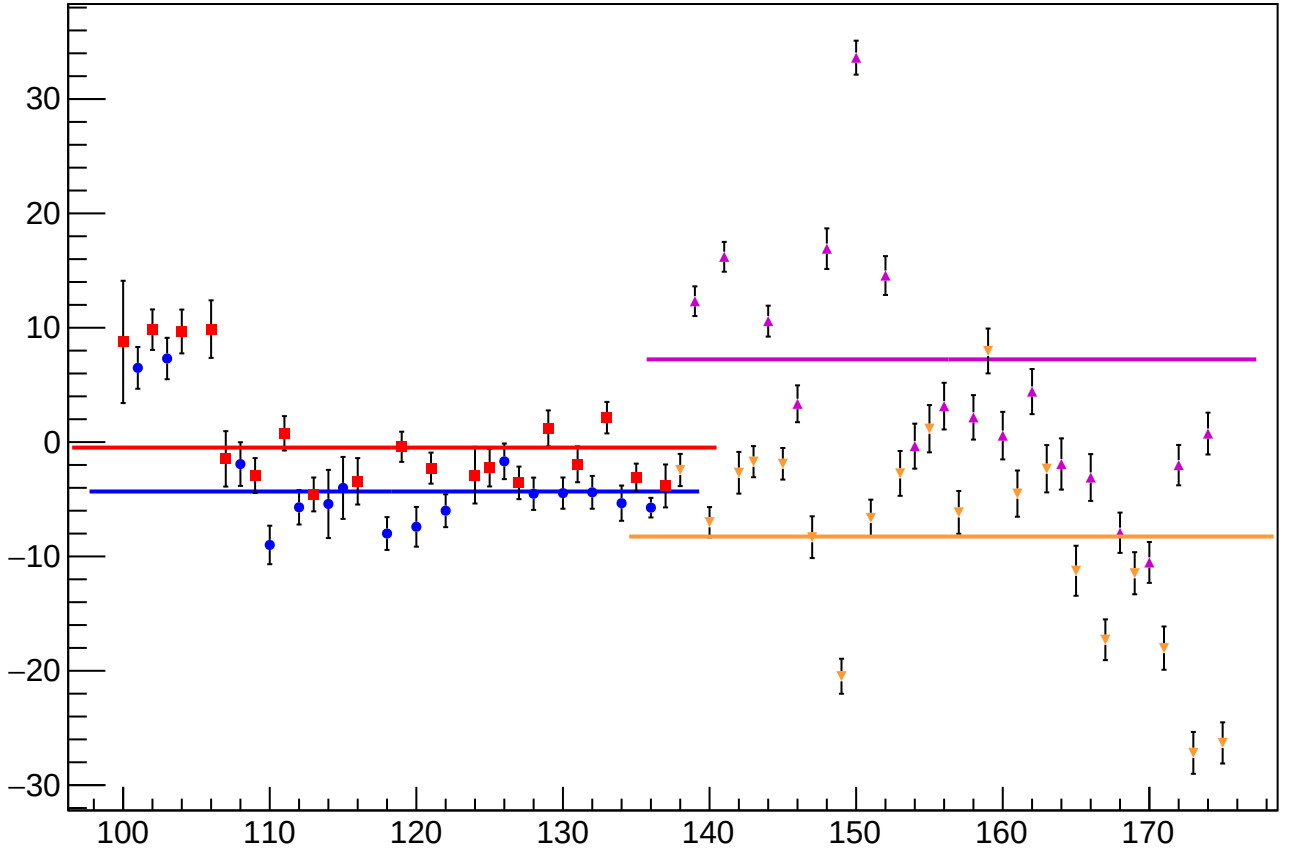
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2380.192+/-0.396 χ^2/NDF:8128076.1/33

Out: 2369.612+/-0.381 χ^2/NDF:8087330.8/38

All: 2374.696+/-0.275 χ^2/NDF: 16215777.2/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -8.259+/-0.384 χ^2/NDF:510.9/19

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 7.233+/-0.402 χ^2/NDF:731.7/17

Left: -0.873+/-0.278 χ^2/NDF: 2018.1/37

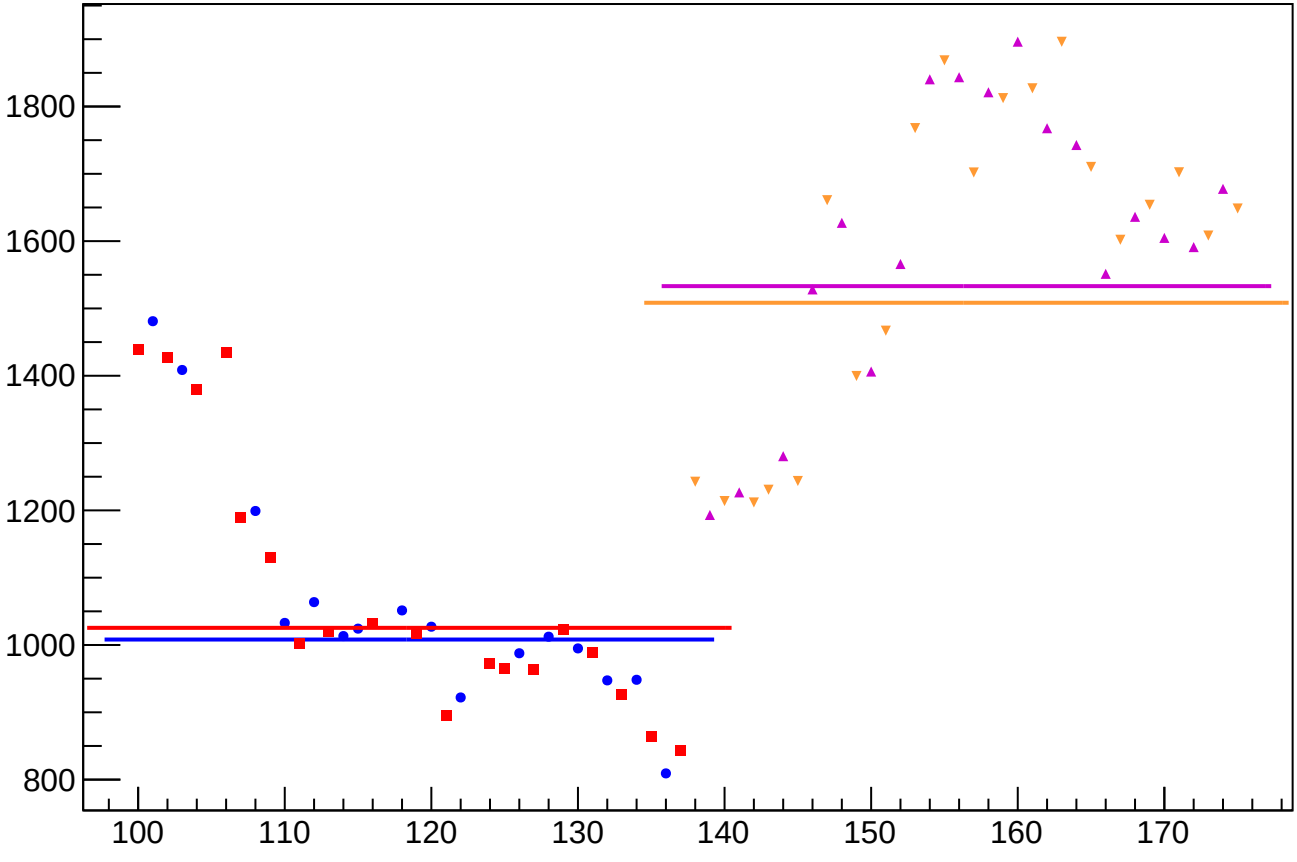
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.122+/-0.276 χ^2/NDF:1271.3/33

Out: -4.314+/-0.270 χ^2/NDF:836.0/38

All: -1.661+/-0.193 χ^2/NDF: 2305.7/72

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1508.441+/-0.272 χ^2/NDF:764255.7/19

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1533.150+/-0.285 χ^2/NDF:608948.8/17

Left: 1520.221+/-0.196 χ^2/NDF: 1377150.1/37

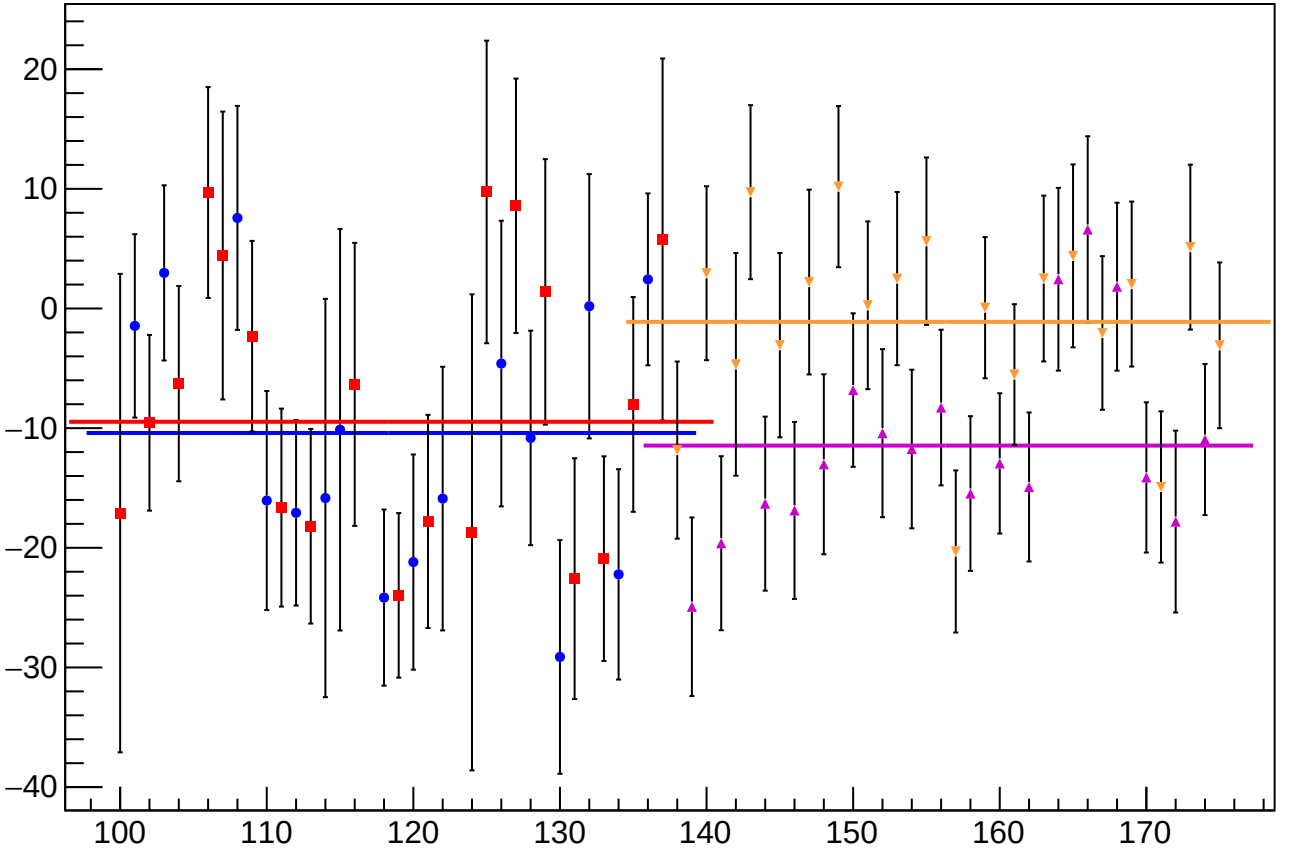
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1255.433+/-0.195 χ^2/NDF:2788699.5/33

Out: 1263.516+/-0.191 χ^2/NDF:2713780.3/38

All: 1259.571+/-0.136 χ^2/NDF: 5503356.8/72

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.116+/-1.557 χ^2/NDF:24.4/19

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.458+/-1.615 χ^2/NDF:20.2/17

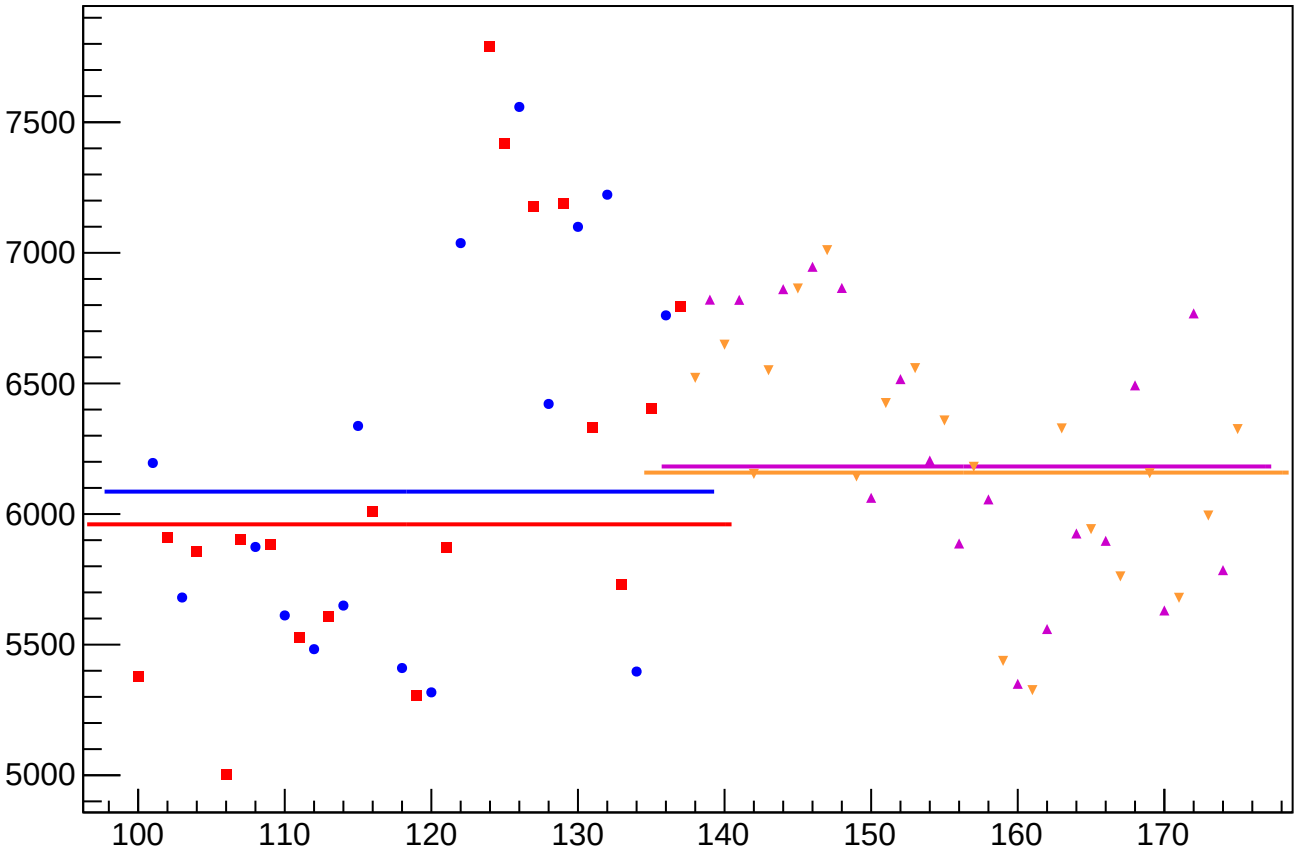
Left: -6.095+/-1.121 χ^2/NDF: 65.8/37

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.105+/-1.318 χ^2/NDF:45.0/33

Out: -3.917+/-1.269 χ^2/NDF:59.4/38

All: -7.375+/-0.914 χ^2/NDF: 119.8/72



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6158.722+/-1.101 χ^2/NDF:165627.0/19

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6182.125+/-1.142 χ^2/NDF:199777.3/17

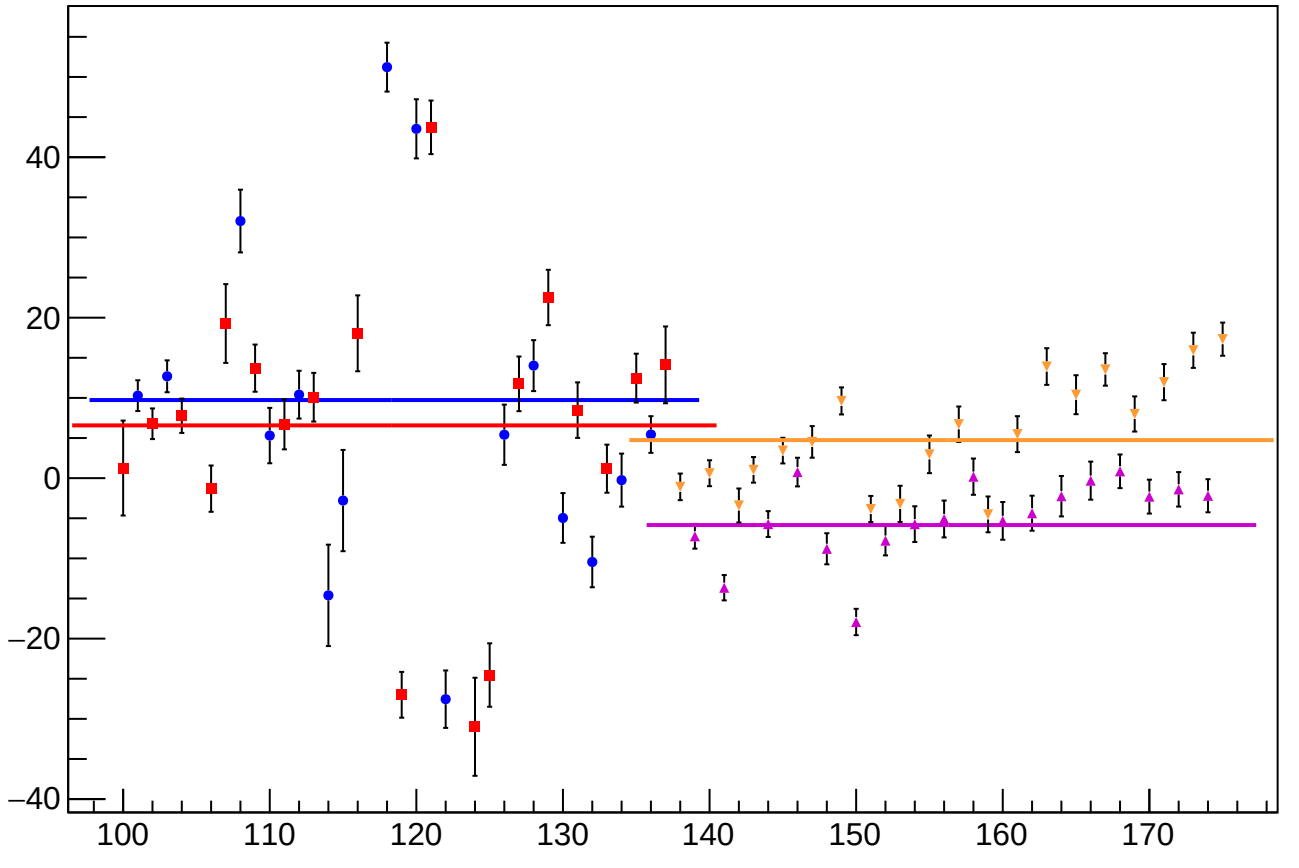
Left: 6169.989+/-0.793 χ^2/NDF: 365621.9/37

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6149.955+/-0.932 χ^2/NDF:381269.1/33

Out: 6092.268+/-0.897 χ^2/NDF:339267.0/38

All: 6120.014+/-0.646 χ^2/NDF: 722524.2/72



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 4.741+/-0.439 χ^2/NDF:223.2/19

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -5.845+/-0.463 χ^2/NDF:132.2/17

Left: -0.279+/-0.319 χ^2/NDF: 630.5/37

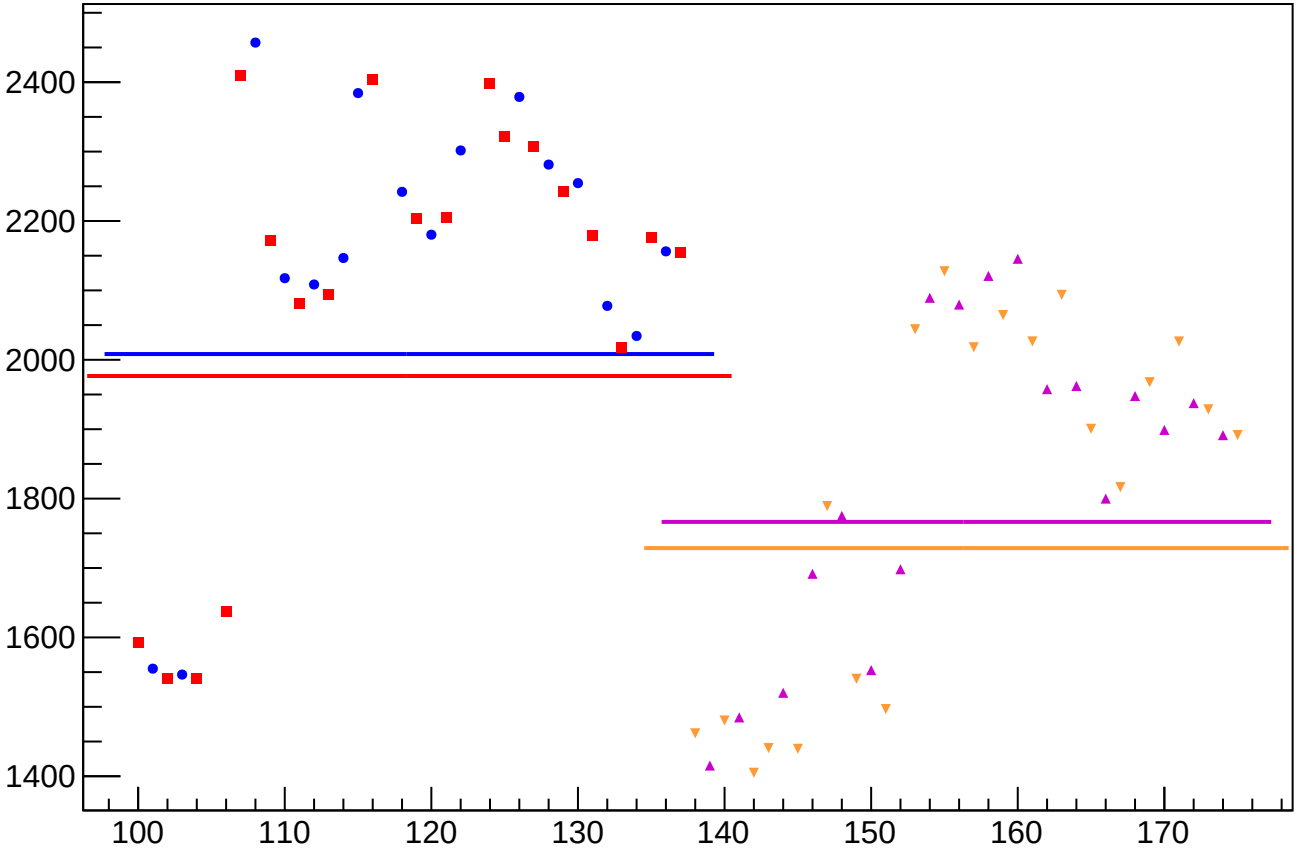
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.591+/-0.395 χ^2/NDF:954.0/33

Out: 5.229+/-0.377 χ^2/NDF:651.6/38

All: 1.978+/-0.272 χ^2/NDF: 1762.0/72

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1728.731+/-0.311 χ^2/NDF:708348.1/19

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1766.449+/-0.327 χ^2/NDF:505568.3/17

Left: 1746.619+/-0.225 χ^2/NDF: 1220902.5/37

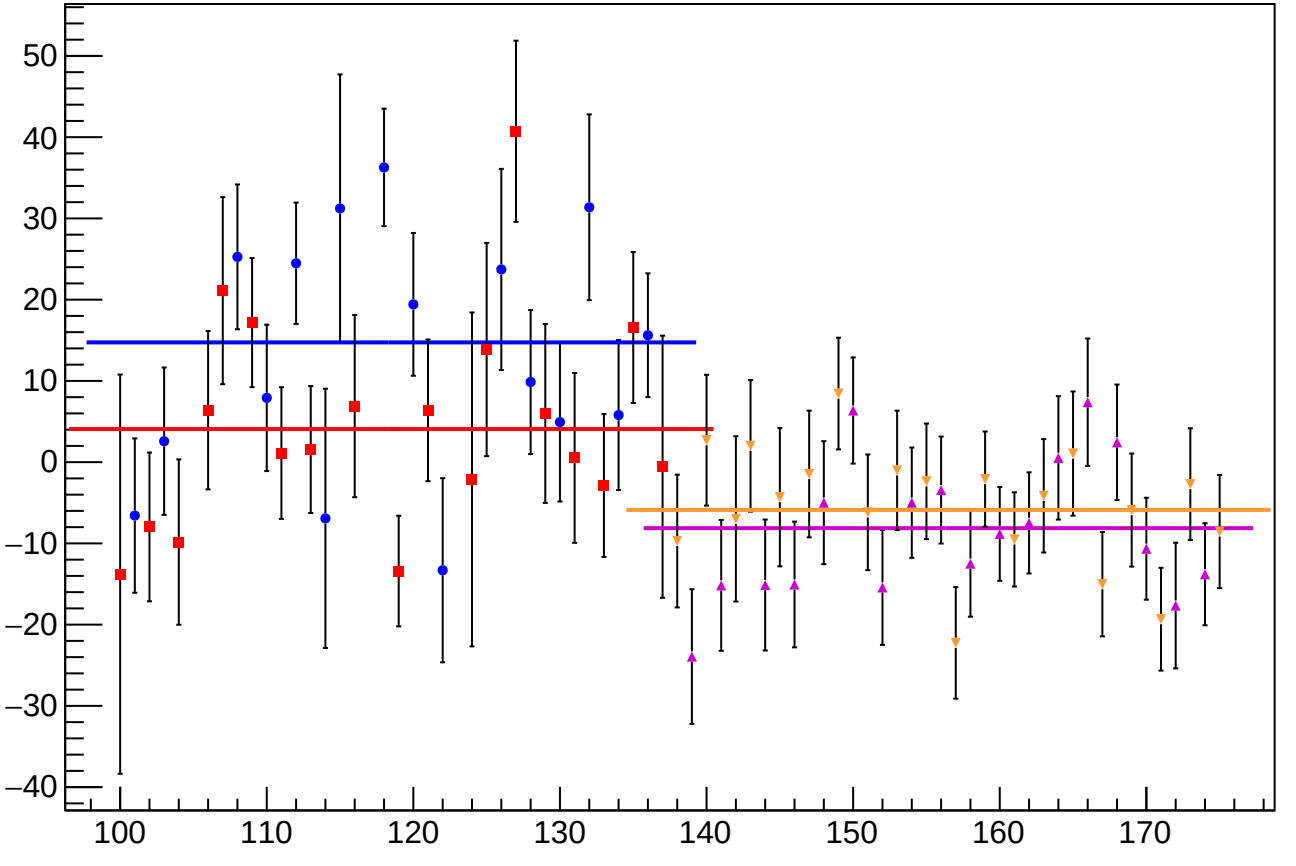
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1832.498+/-0.279 χ^2/NDF:999159.3/33

Out: 1794.650+/-0.266 χ^2/NDF:1242956.5/38

All: 1812.693+/-0.193 χ^2/NDF: 2251747.6/72

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.879+/-1.593 χ^2/NDF:22.0/19

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.127+/-1.649 χ^2/NDF:23.2/17

Left: -6.964+/-1.146 χ^2/NDF: 46.1/37

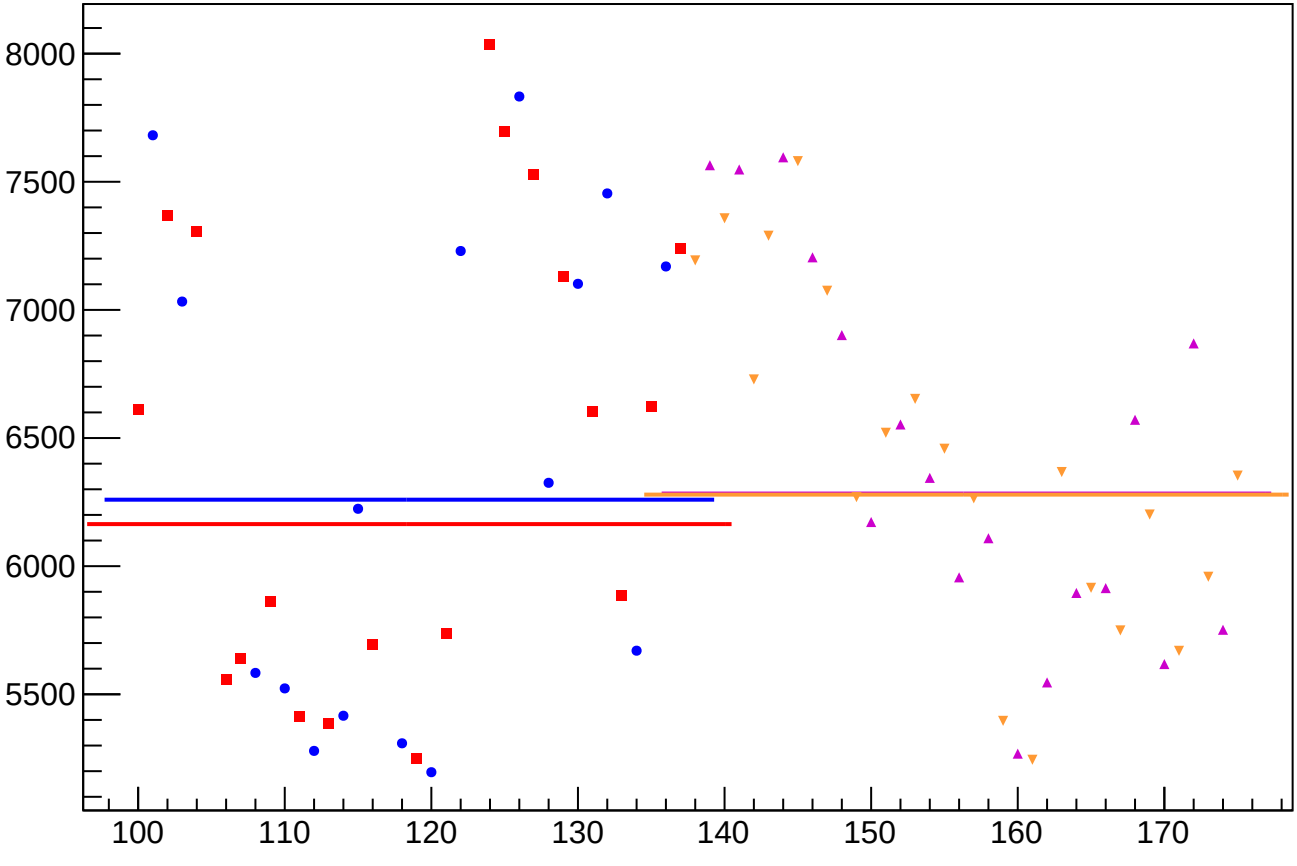
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -0.616+/-1.351 χ^2/NDF:119.9/33

Out: -2.603+/-1.305 χ^2/NDF:65.0/38

All: -1.644+/-0.939 χ^2/NDF: 186.0/72

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6279.227+/-1.126 χ^2/NDF:323135.2/19

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6283.378+/-1.166 χ^2/NDF:352906.6/17

Left: 6281.231+/-0.810 χ^2/NDF: 676048.4/37

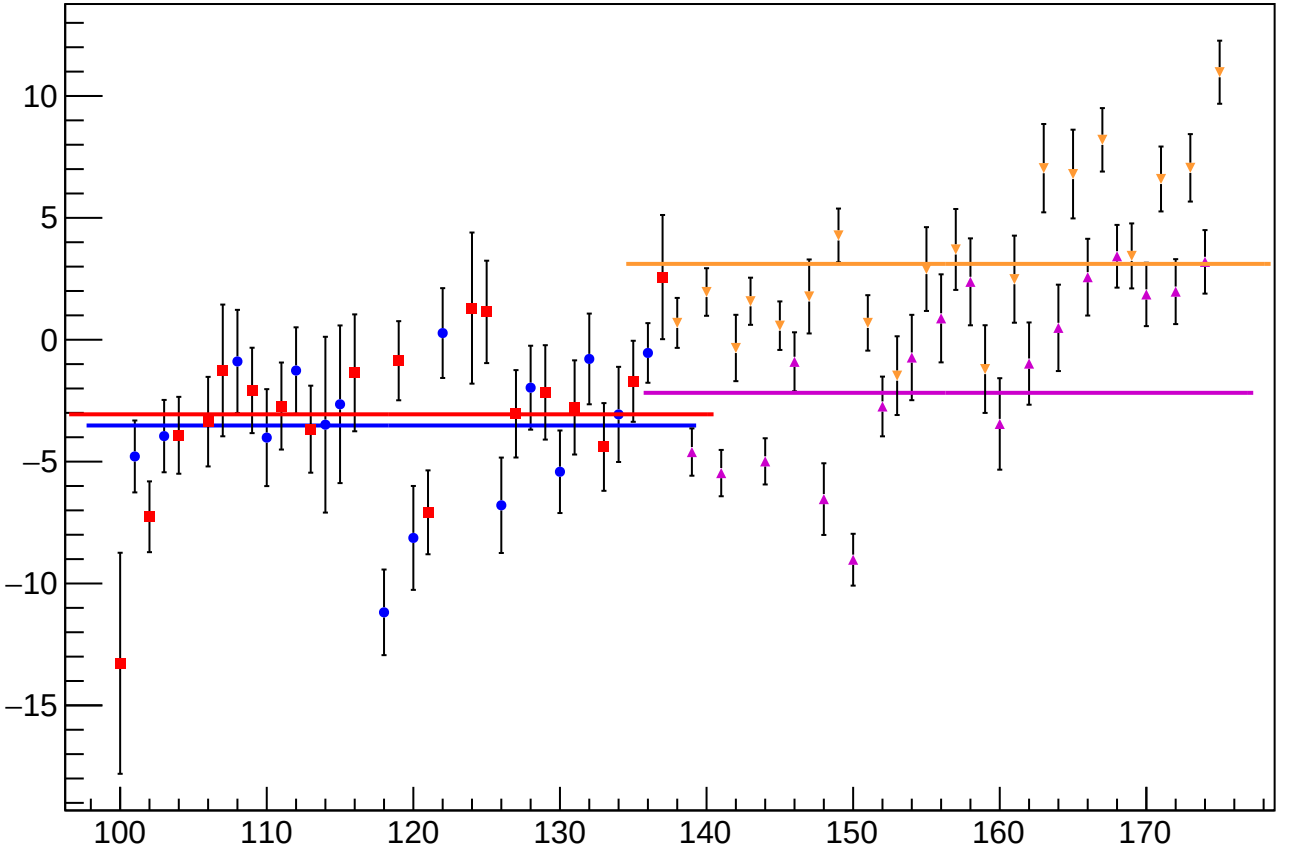
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6275.507+/-0.955 χ^2/NDF:661652.1/33

Out: 6241.336+/-0.923 χ^2/NDF:591630.7/38

All: 6257.823+/-0.664 χ^2/NDF: 1253944.8/72

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.112+/-0.291 χ^2/NDF:118.9/19

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -2.178+/-0.307 χ^2/NDF:156.3/17

Left: 0.605+/-0.211 χ^2/NDF: 431.7/37

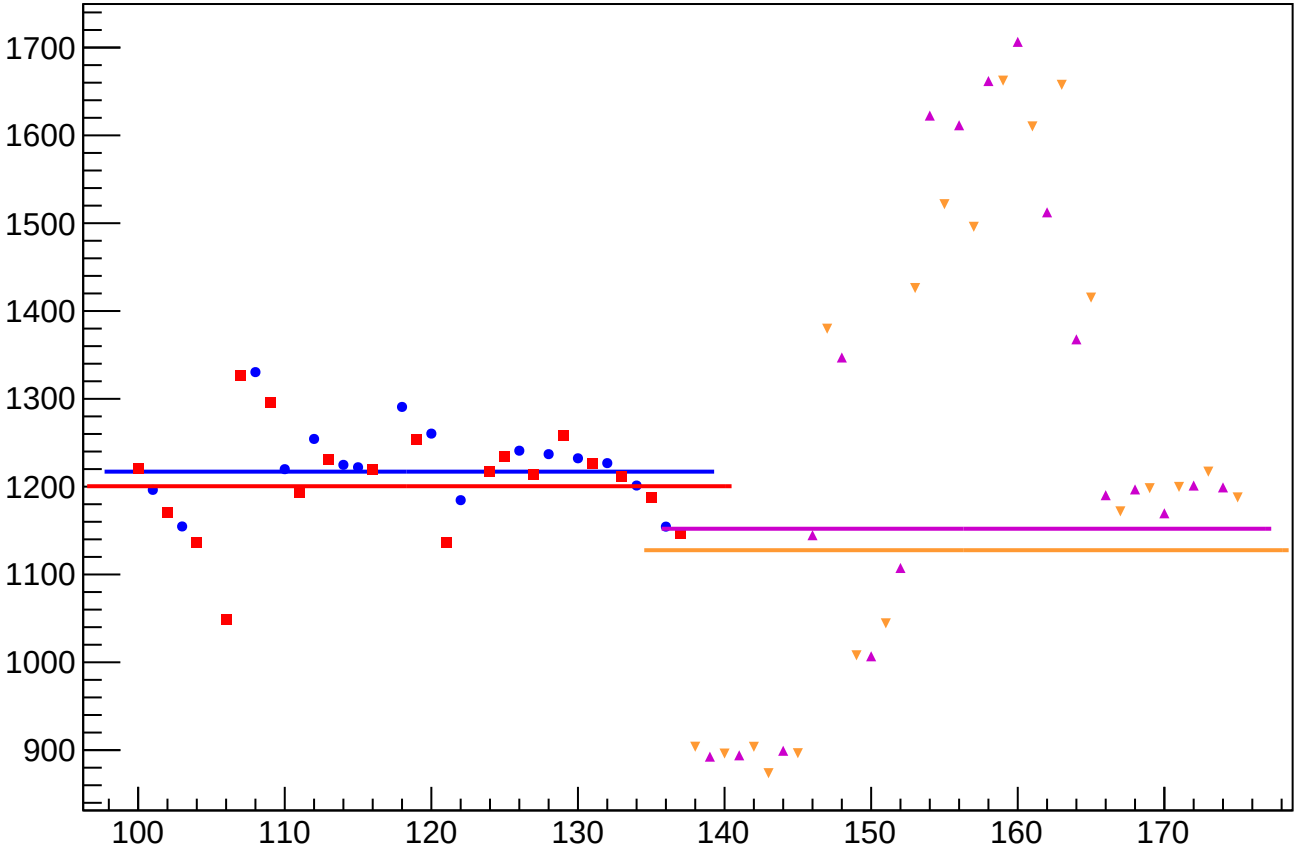
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.600+/-0.254 χ^2/NDF:207.4/33

Out: 1.223+/-0.243 χ^2/NDF:291.3/38

All: -0.601+/-0.175 χ^2/NDF: 617.3/72

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1127.648+/-0.206 χ^2/NDF:1439213.8/19

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1152.078+/-0.217 χ^2/NDF:1249913.1/17

Left: 1139.226+/-0.149 χ^2/NDF: 2695801.7/37

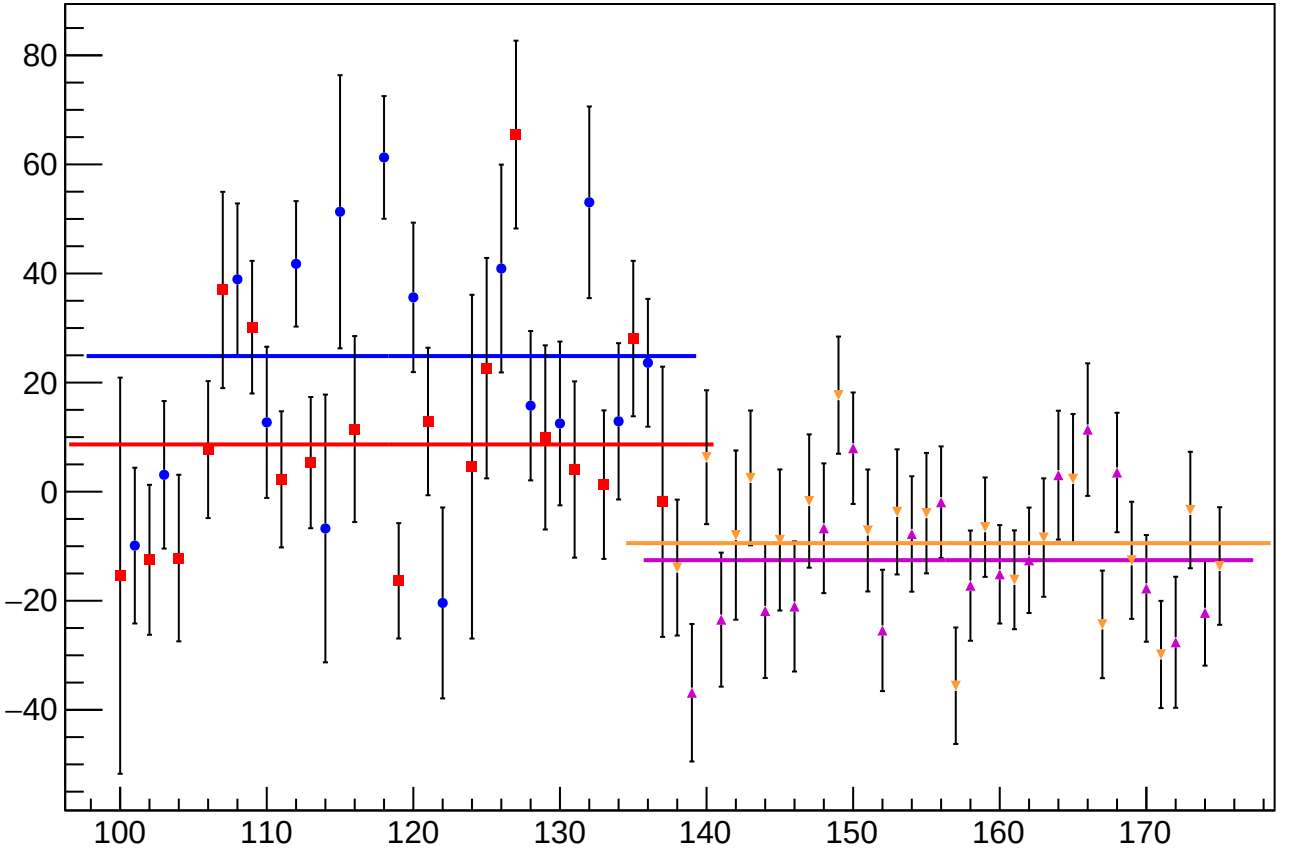
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1172.551+/-0.180 χ^2/NDF:1299898.3/33

Out: 1149.945+/-0.171 χ^2/NDF:1515200.0/38

All: 1160.731+/-0.124 χ^2/NDF: 2823390.1/72

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.439+/-2.468 χ^2/NDF:24.8/19

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.556+/-2.558 χ^2/NDF:23.4/17

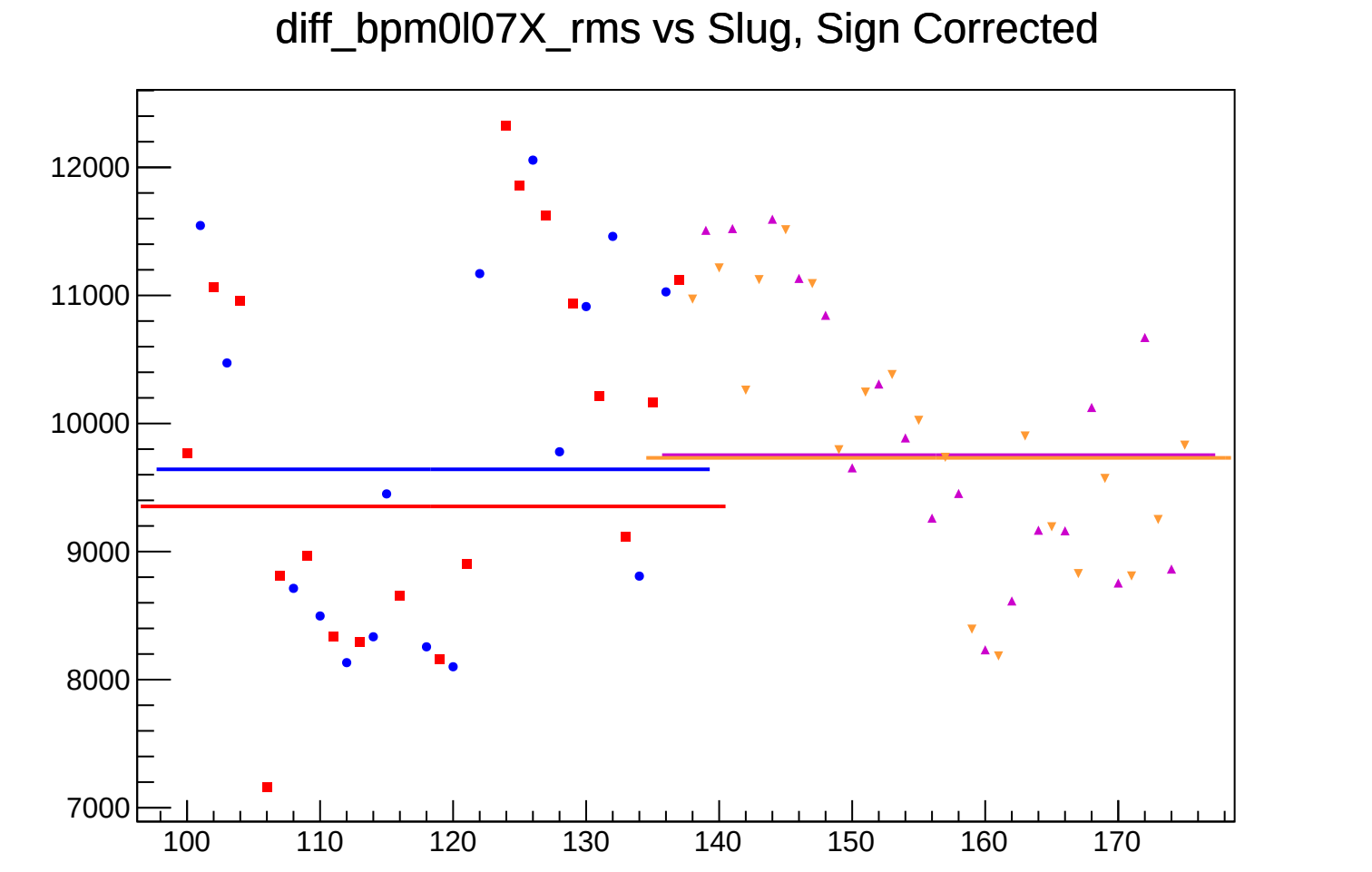
Left: -10.942+/-1.776 χ^2/NDF: 49.0/37

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -0.132+/-2.091 χ^2/NDF:132.6/33

Out: -3.322+/-2.008 χ^2/NDF:73.2/38

All: -1.791+/-1.448 χ^2/NDF: 206.9/72



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9731.594+/-1.745 χ^2/NDF:296611.3/19

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9752.794+/-1.809 χ^2/NDF:326413.4/17

Left: 9741.815+/-1.256 χ^2/NDF: 623095.9/37

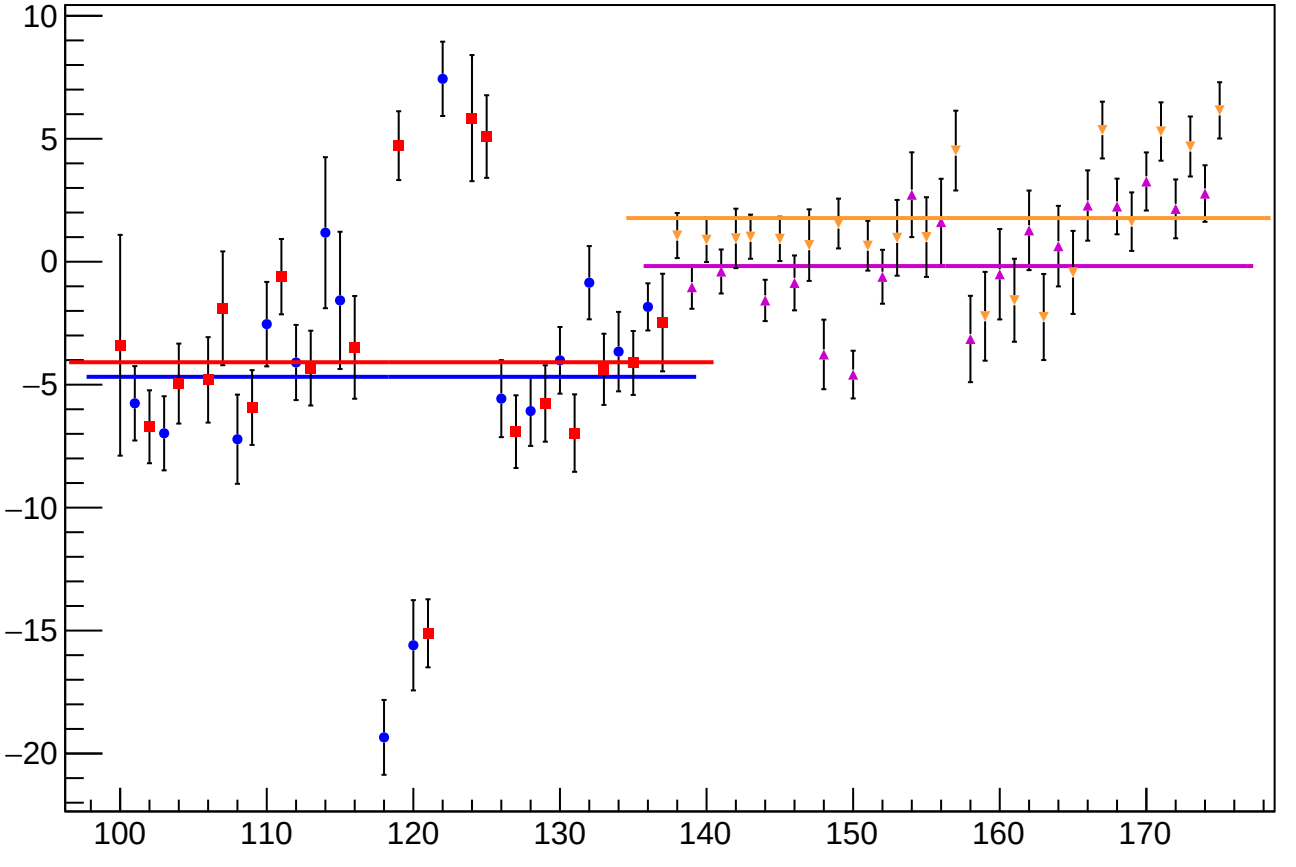
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9716.030+/-1.478 χ^2/NDF:607315.0/33

Out: 9603.450+/-1.420 χ^2/NDF:614341.6/38

All: 9657.473+/-1.024 χ^2/NDF: 1224673.4/72

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.775+/-0.266 χ^2/NDF:63.4/19

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.177+/-0.281 χ^2/NDF:65.7/17

Left: 0.853+/-0.193 χ^2/NDF: 154.4/37

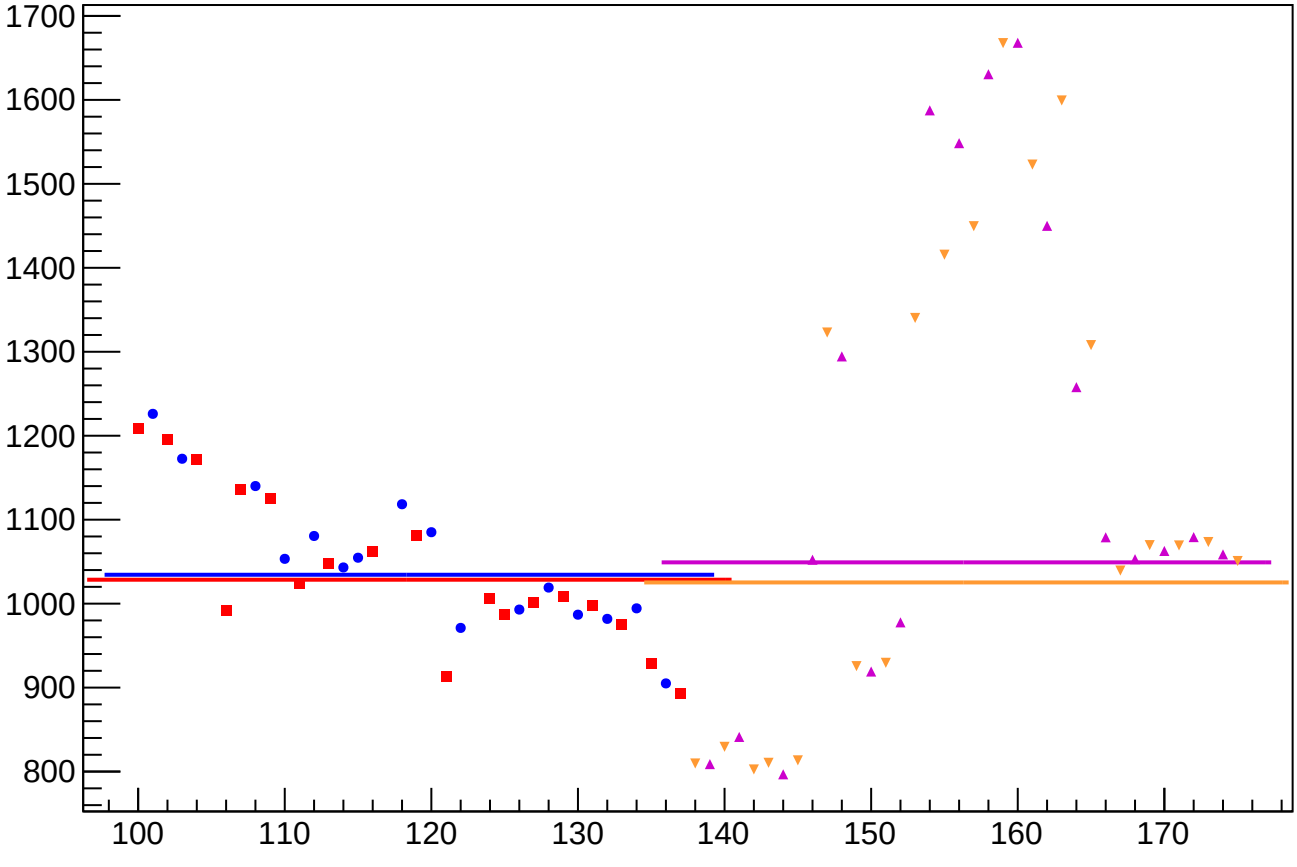
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.740+/-0.227 χ^2/NDF:375.8/33

Out: -0.179+/-0.217 χ^2/NDF:393.1/38

All: -0.925+/-0.157 χ^2/NDF: 793.6/72

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1025.250+/-0.188 χ^2/NDF:1662892.9/19

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1049.165+/-0.199 χ^2/NDF:1502881.0/17

Left: 1036.547+/-0.137 χ^2/NDF: 3173398.8/37

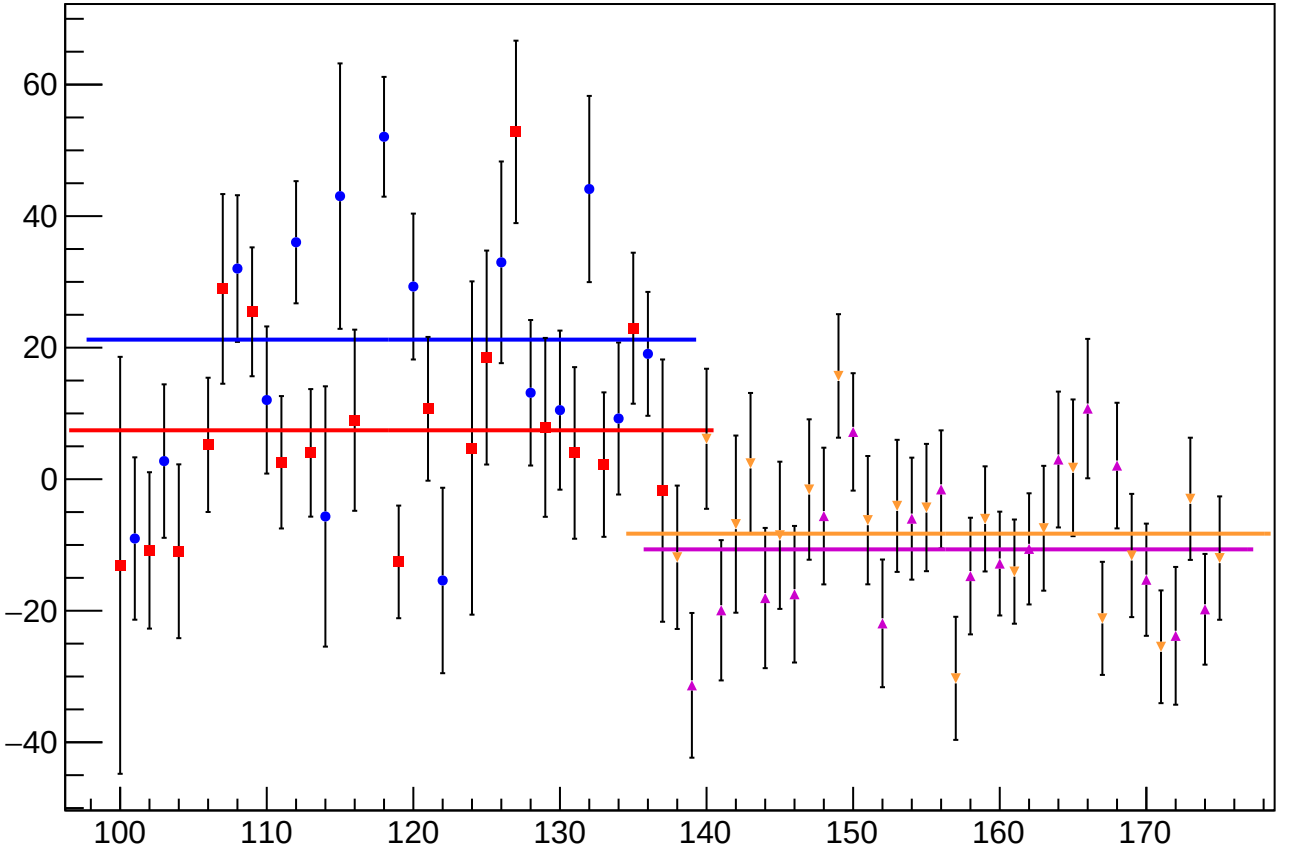
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1044.040+/-0.161 χ^2/NDF:1618071.6/33

Out: 1026.334+/-0.154 χ^2/NDF:1764617.1/38

All: 1034.790+/-0.111 χ^2/NDF: 3389027.8/72

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.281+/-2.154 χ^2/NDF:24.2/19

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.669+/-2.233 χ^2/NDF:23.0/17

Left: -9.432+/-1.550 χ^2/NDF: 47.8/37

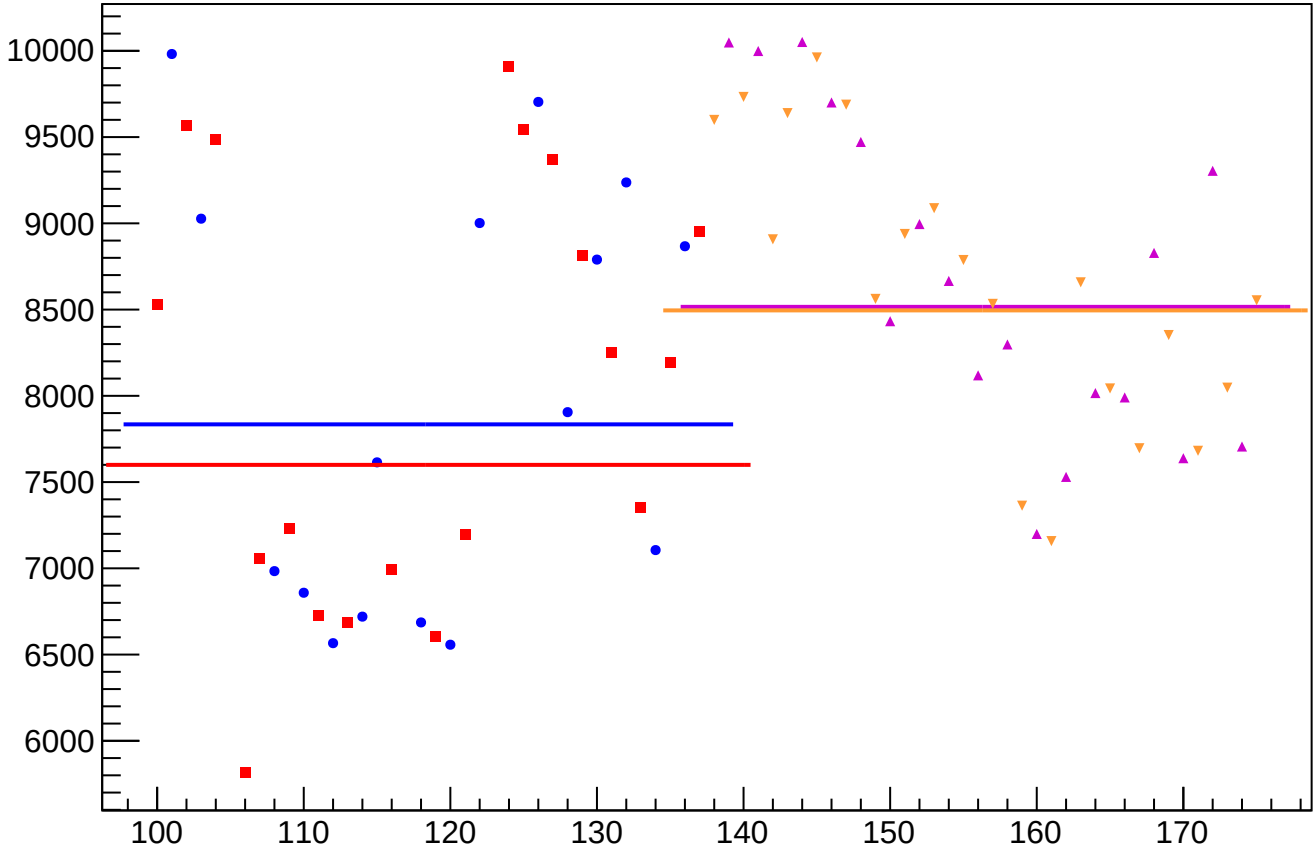
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 0.939+/-1.781 χ^2/NDF:137.3/33

Out: -2.465+/-1.710 χ^2/NDF:73.7/38

All: -0.833+/-1.233 χ^2/NDF: 212.9/72

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8495.300+/-1.523 χ^2/NDF:286625.6/19

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8515.827+/-1.579 χ^2/NDF:318225.9/17

Left: 8505.194+/-1.096 χ^2/NDF: 604939.1/37

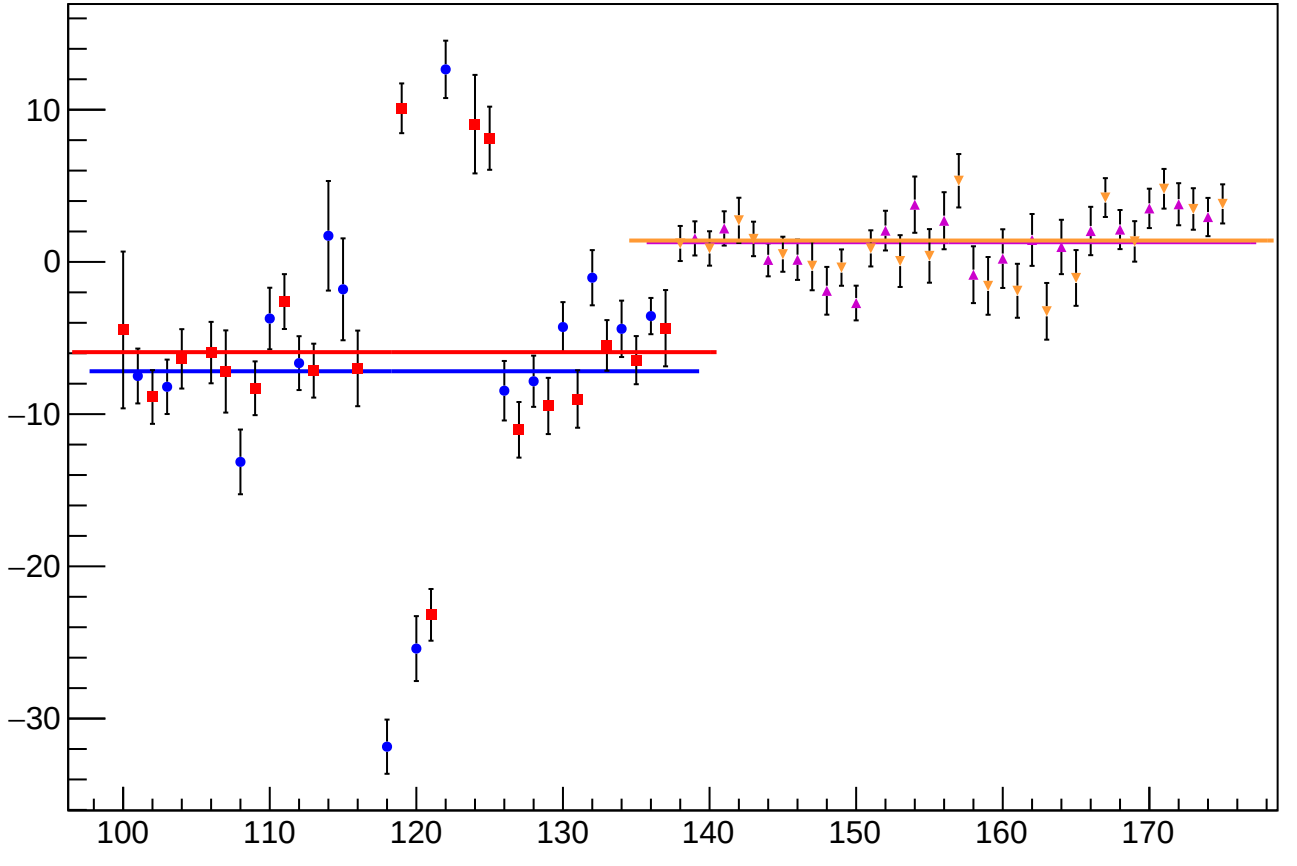
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8267.885+/-1.259 χ^2/NDF:704062.9/33

Out: 8163.882+/-1.209 χ^2/NDF:758859.2/38

All: 8213.762+/-0.872 χ^2/NDF: 1466472.0/72

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.406+/-0.310 χ^2/NDF:42.6/19

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.294+/-0.328 χ^2/NDF:32.0/17

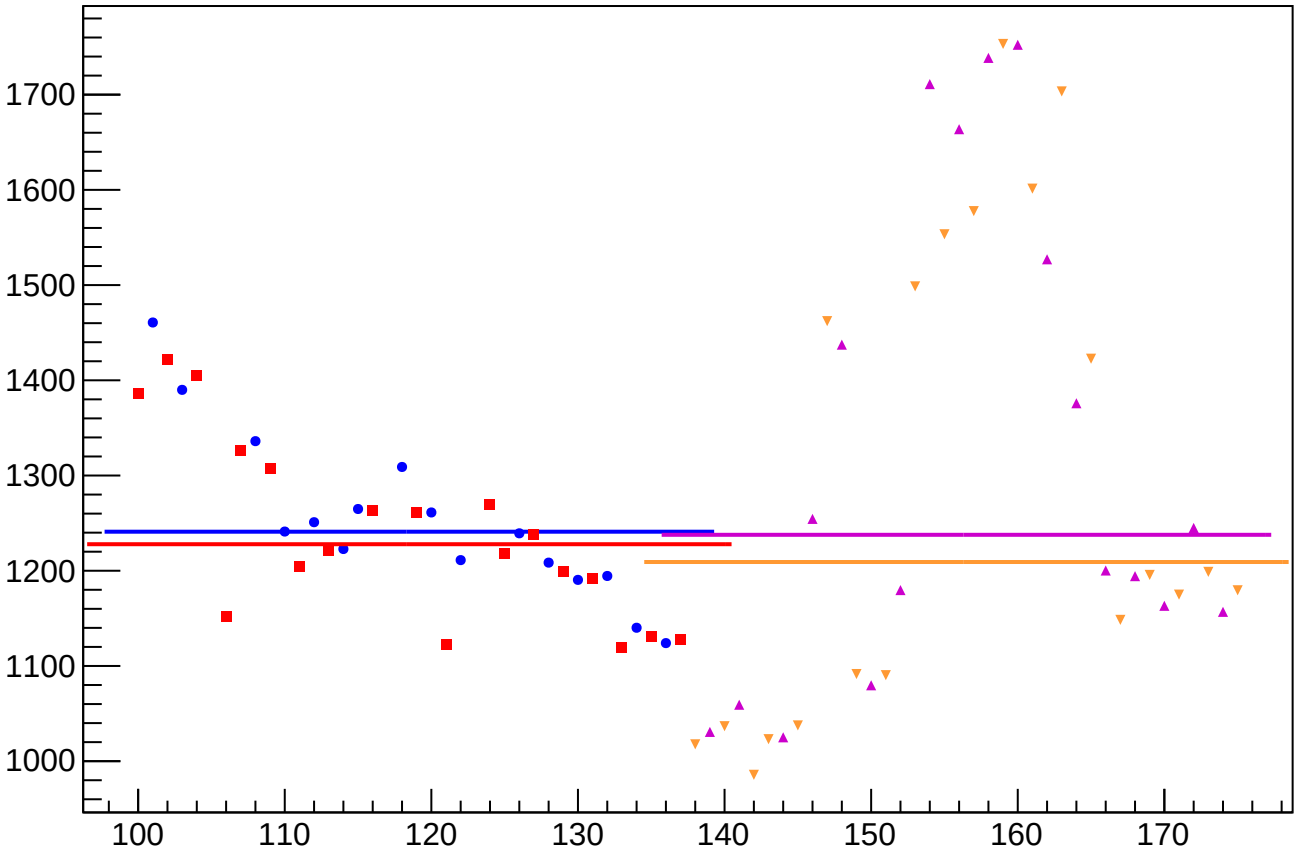
Left: 1.353+/-0.225 χ^2/NDF: 74.6/37

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

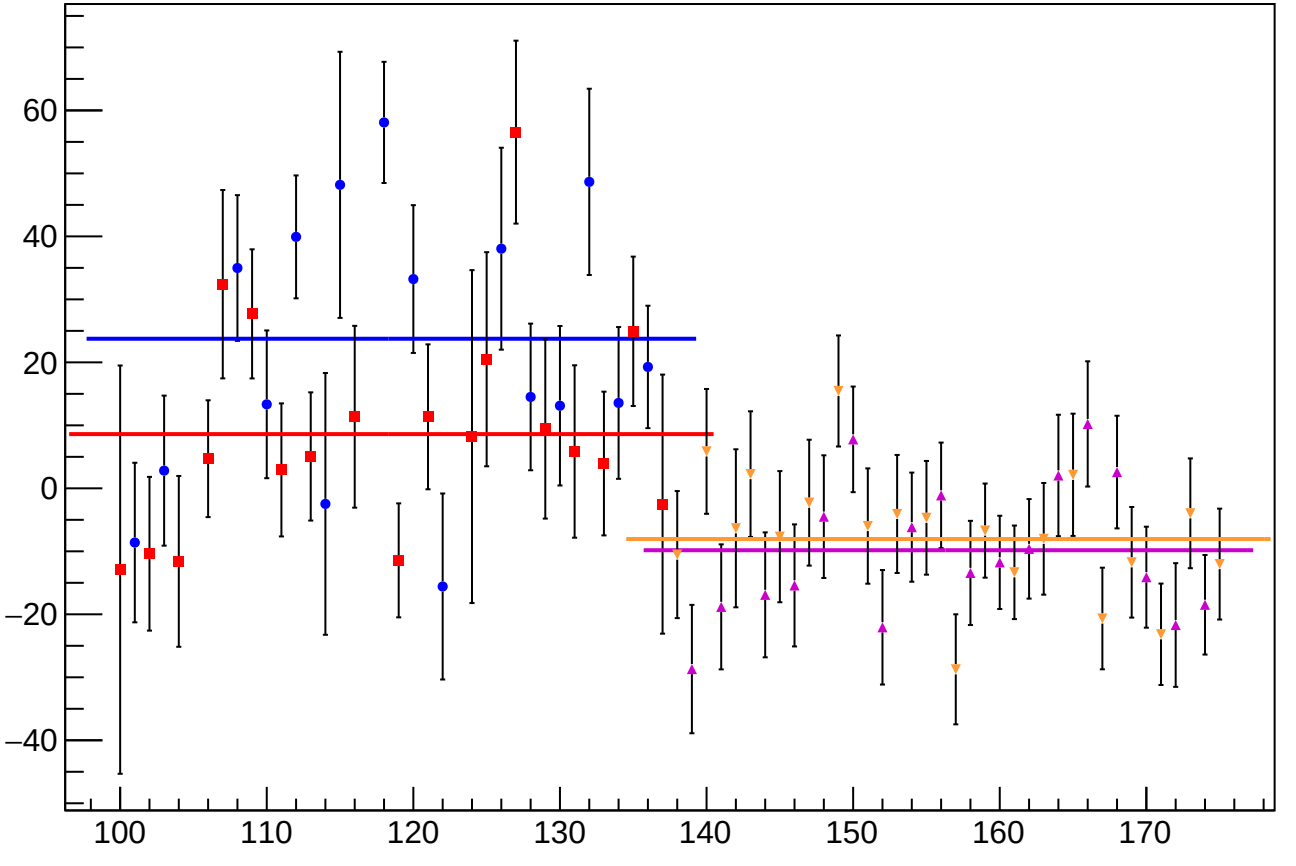
In: -1.539+/-0.267 χ^2/NDF:678.0/33

Out: -0.961+/-0.255 χ^2/NDF:513.5/38

All: -1.236+/-0.185 χ^2/NDF: 1193.9/72


diff_bpm0l08Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
100
110
120
130
140
150
160
170
Right In: 1241.007+/-0.327 χ²/NDF: 80653.5/15
Left Out: 1209.184+/-0.219 χ²/NDF:994452.2/19
Right Out: 1227.864+/-0.318 χ²/NDF: 82339.2/18
Left In: 1237.741+/-0.232 χ²/NDF:879814.5/17
Left: 1222.678+/-0.159 χ²/NDF: 1882284.9/37
Right: 1234.245+/-0.228 χ²/NDF: 163824.2/34
In: 1238.832+/-0.189 χ²/NDF:960534.4/33
Out: 1215.212+/-0.180 χ²/NDF:1079134.2/38
All: 1226.474+/-0.130 χ²/NDF: 2047841.4/72

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.049+/-2.014 χ^2/NDF:24.8/19

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -9.826+/-2.089 χ^2/NDF:23.6/17

Left: -8.905+/-1.450 χ^2/NDF: 48.7/37

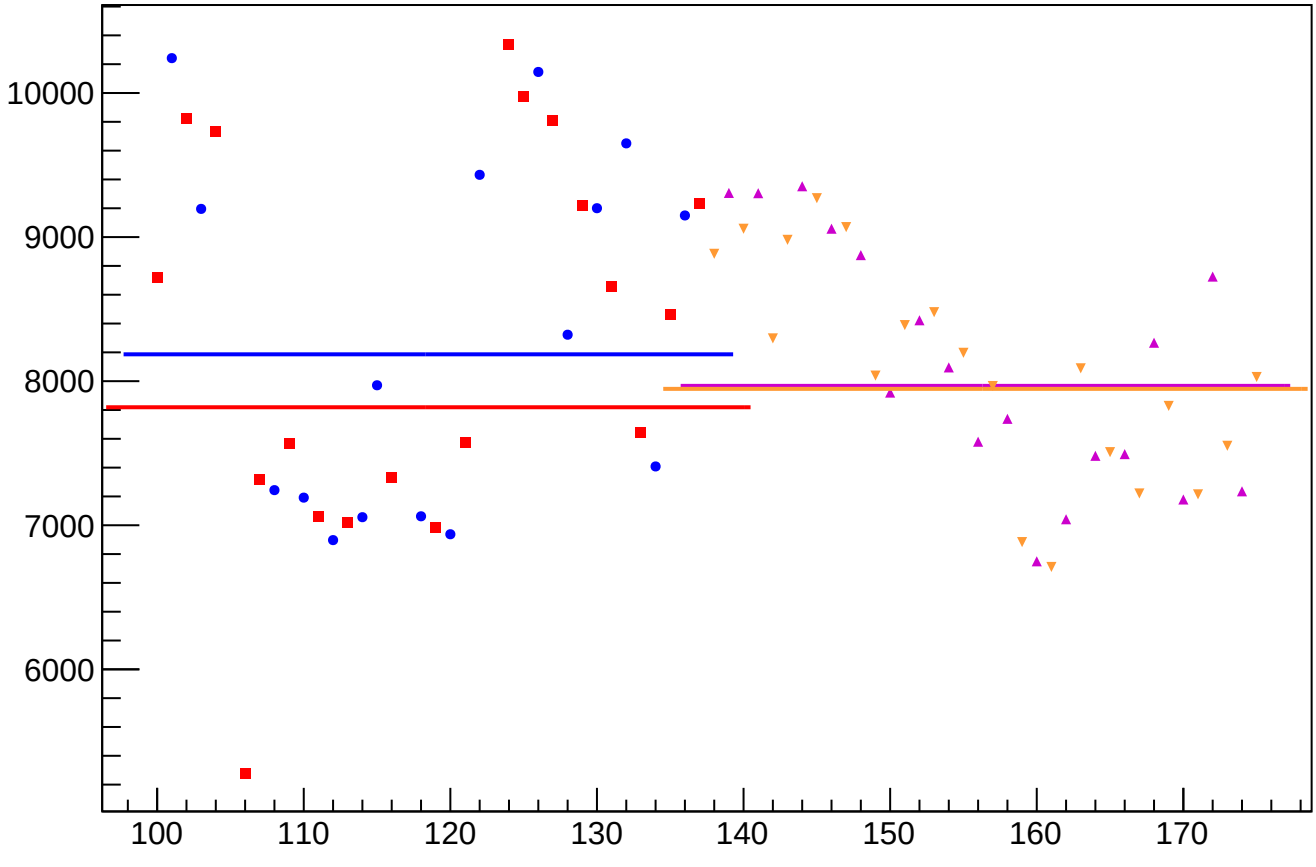
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 0.743+/-1.729 χ^2/NDF:148.4/33

Out: -2.625+/-1.654 χ^2/NDF:77.5/38

All: -1.015+/-1.195 χ^2/NDF: 227.8/72

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7946.643+/-1.424 χ^2/NDF:273872.0/19

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 7967.398+/-1.477 χ^2/NDF:305779.3/17

Left: 7956.646+/-1.025 χ^2/NDF: 579753.6/37

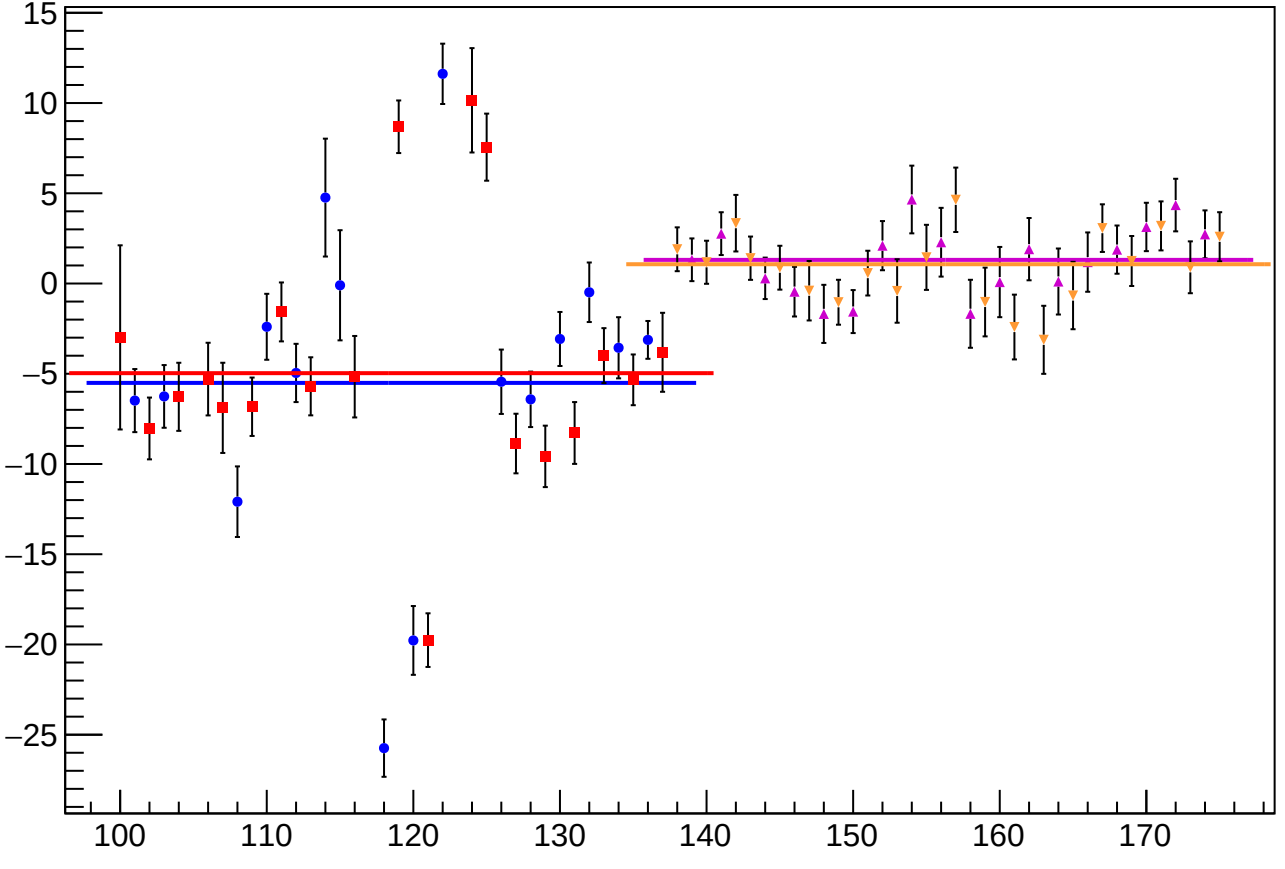
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8036.324+/-1.222 χ^2/NDF:603328.0/33

Out: 7905.071+/-1.170 χ^2/NDF:699486.3/38

All: 7967.804+/-0.845 χ^2/NDF: 1308832.3/72

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.069+/-0.323 χ^2/NDF:28.0/19

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.310+/-0.341 χ^2/NDF:27.9/17

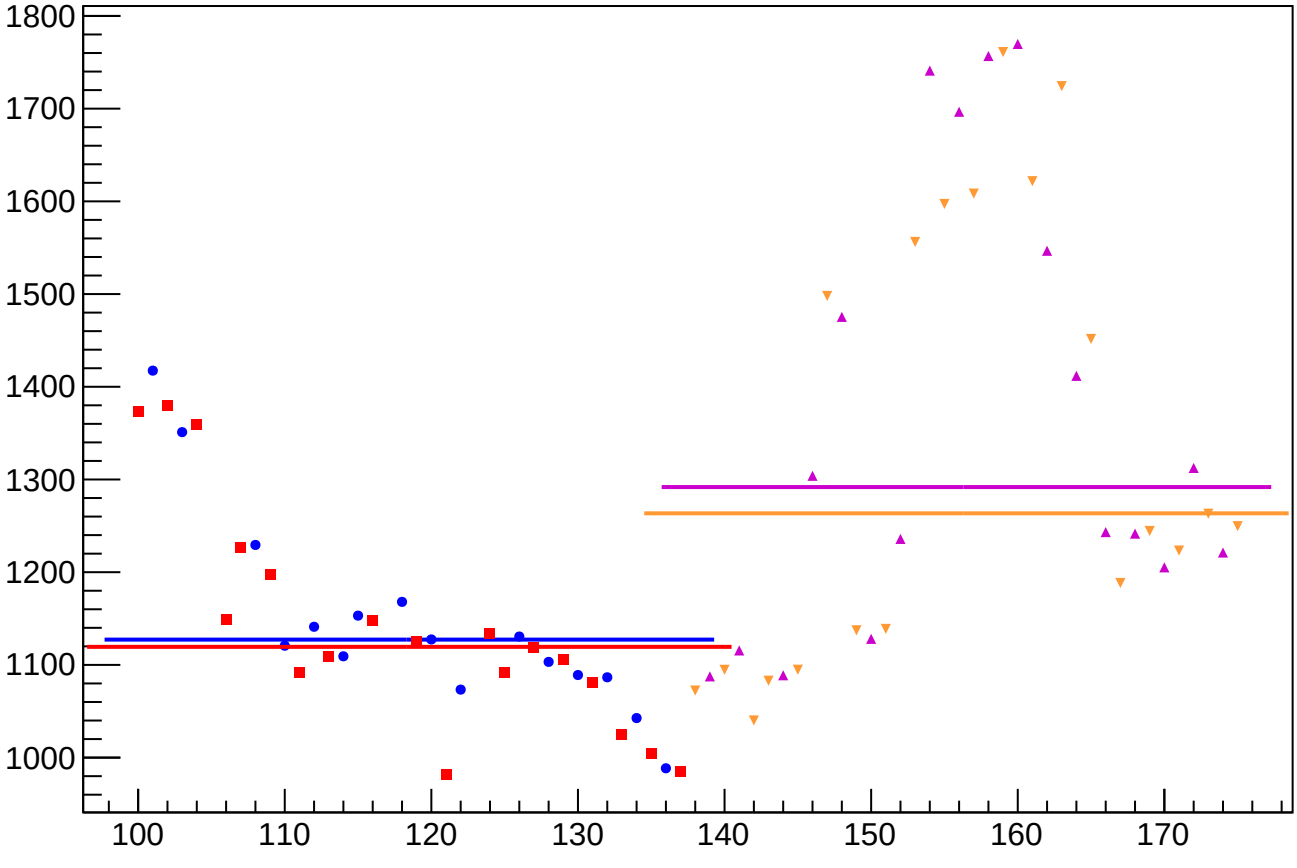
Left: 1.183+/-0.234 χ^2/NDF: 56.2/37

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.390+/-0.265 χ^2/NDF:556.1/33

Out: -1.240+/-0.254 χ^2/NDF:448.9/38

All: -1.312+/-0.183 χ^2/NDF: 1005.2/72



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1263.495+/-0.228 χ^2/NDF:858712.1/19

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1291.829+/-0.241 χ^2/NDF:752184.5/17

Left: 1276.900+/-0.166 χ^2/NDF: 1618178.2/37

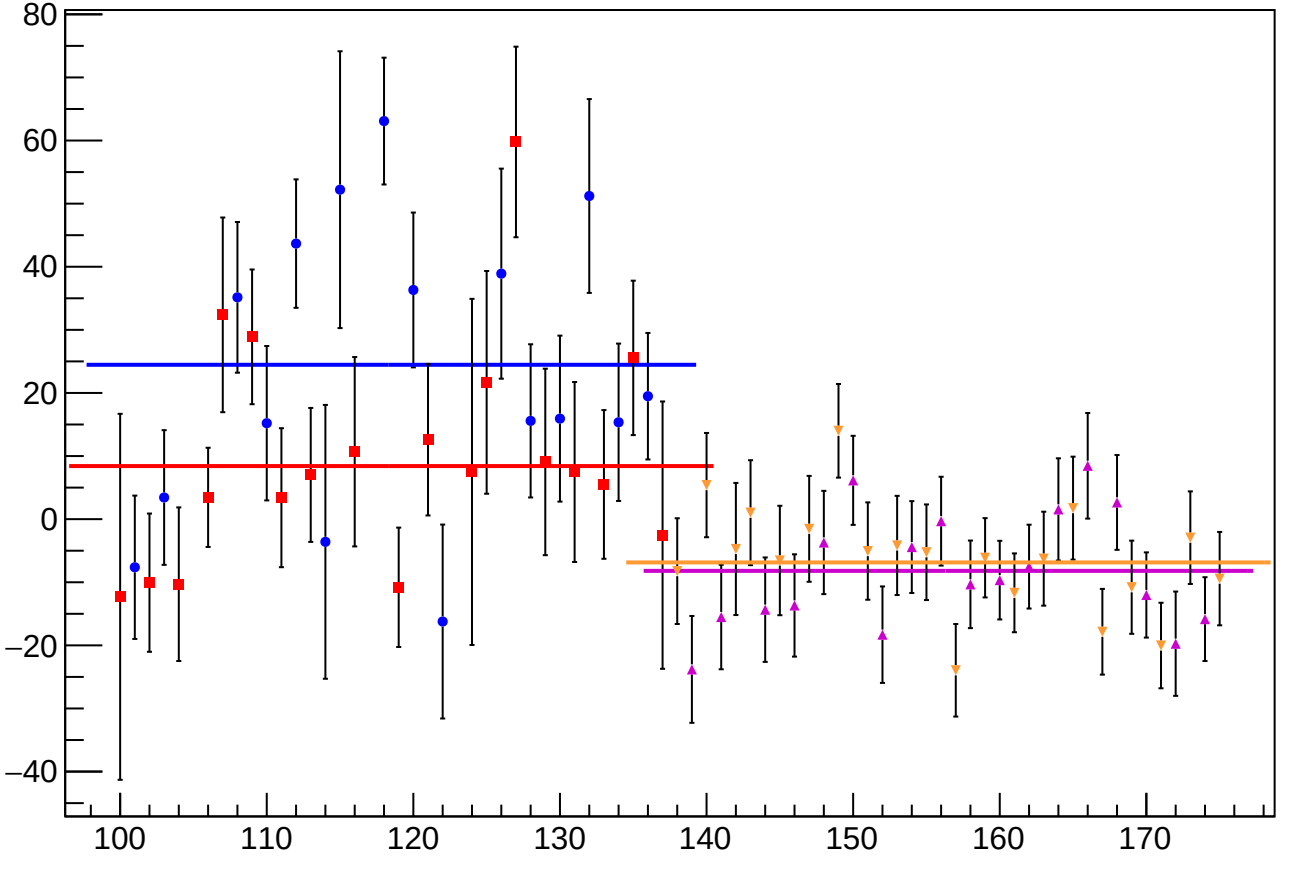
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1226.657+/-0.187 χ^2/NDF:1077403.8/33

Out: 1208.398+/-0.179 χ^2/NDF:1151571.1/38

All: 1217.138+/-0.130 χ^2/NDF: 2233930.0/72

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.857+/-1.691 χ^2/NDF:25.9/19

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.194+/-1.753 χ^2/NDF:24.1/17

Left: -7.501+/-1.217 χ^2/NDF: 50.4/37

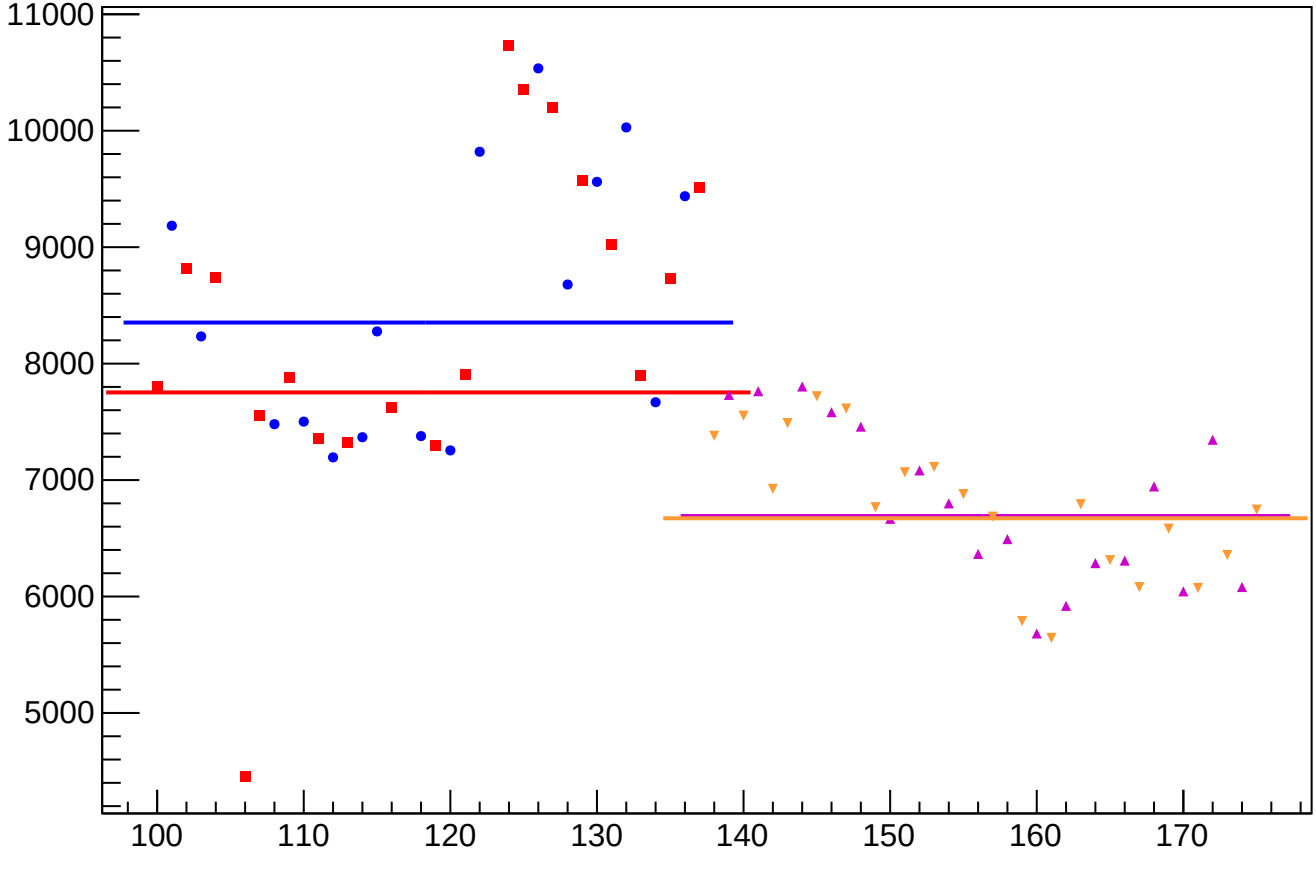
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -0.417+/-1.530 χ^2/NDF:155.1/33

Out: -2.966+/-1.459 χ^2/NDF:77.9/38

All: -1.752+/-1.056 χ^2/NDF: 234.4/72

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6671.757+/-1.195 χ^2/NDF:258230.9/19

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6691.367+/-1.240 χ^2/NDF:291827.3/17

Left: 6681.204+/-0.861 χ^2/NDF: 550187.8/37

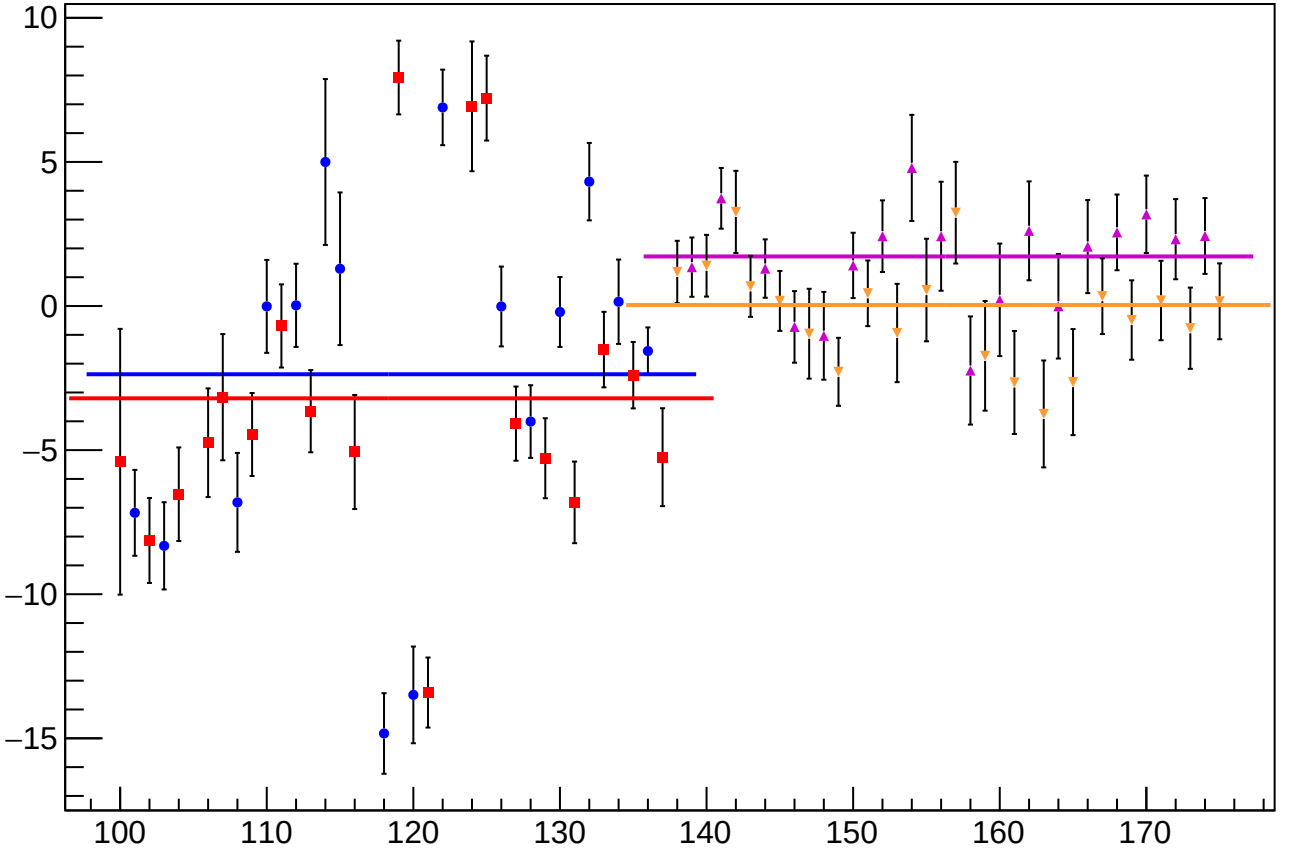
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7087.034+/-1.082 χ^2/NDF:939850.5/33

Out: 6947.221+/-1.032 χ^2/NDF:1054647.3/38

All: 7013.807+/-0.747 χ^2/NDF: 2003239.7/72

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.036+/-0.304 χ^2/NDF:26.3/19

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.720+/-0.321 χ^2/NDF:22.8/17

Left: 0.833+/-0.221 χ^2/NDF: 63.6/37

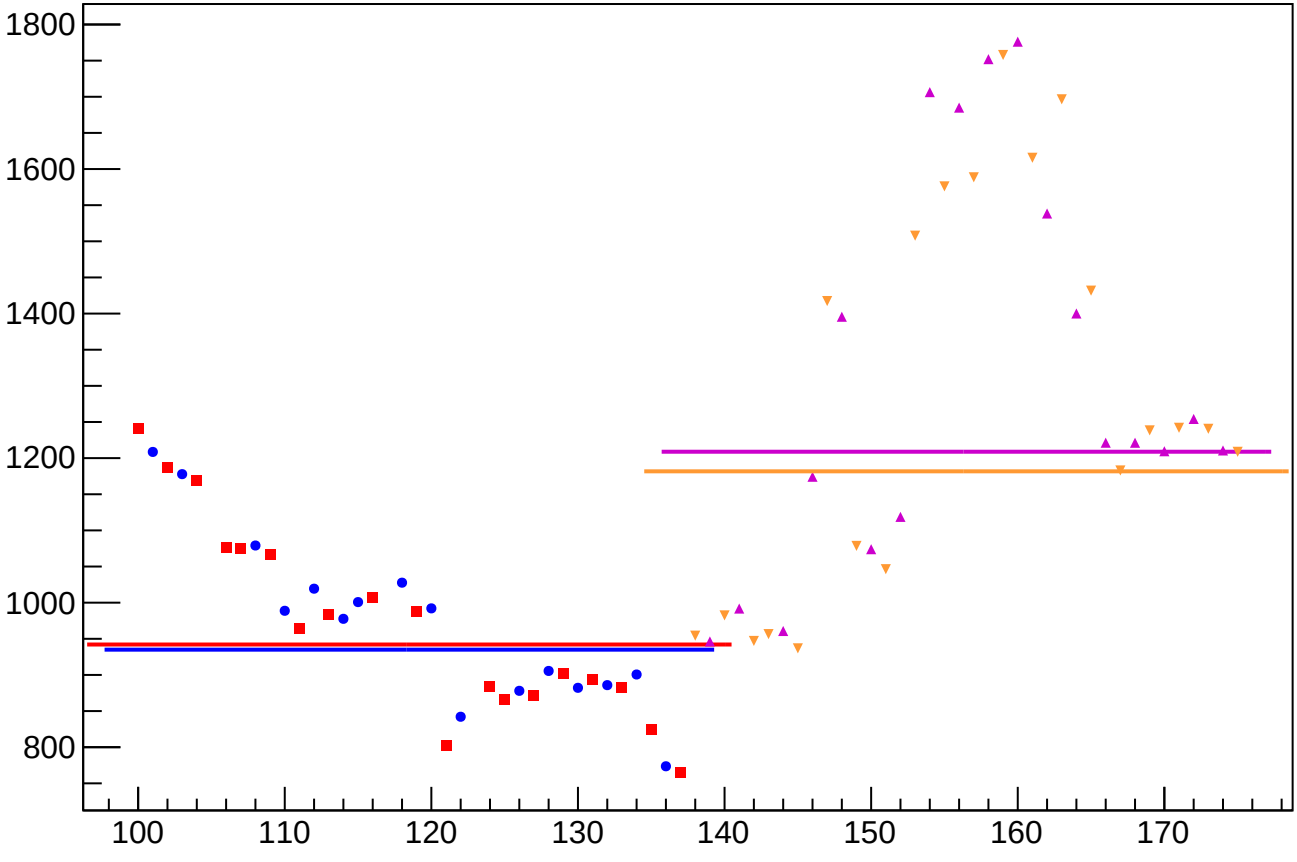
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.145+/-0.237 χ^2/NDF:352.3/33

Out: -1.374+/-0.229 χ^2/NDF:326.2/38

All: -0.781+/-0.164 χ^2/NDF: 692.4/72

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1181.728+/-0.215 χ^2/NDF:1284235.2/19

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1208.855+/-0.227 χ^2/NDF:1113080.3/17

Left: 1194.559+/-0.156 χ^2/NDF: 2404837.7/37

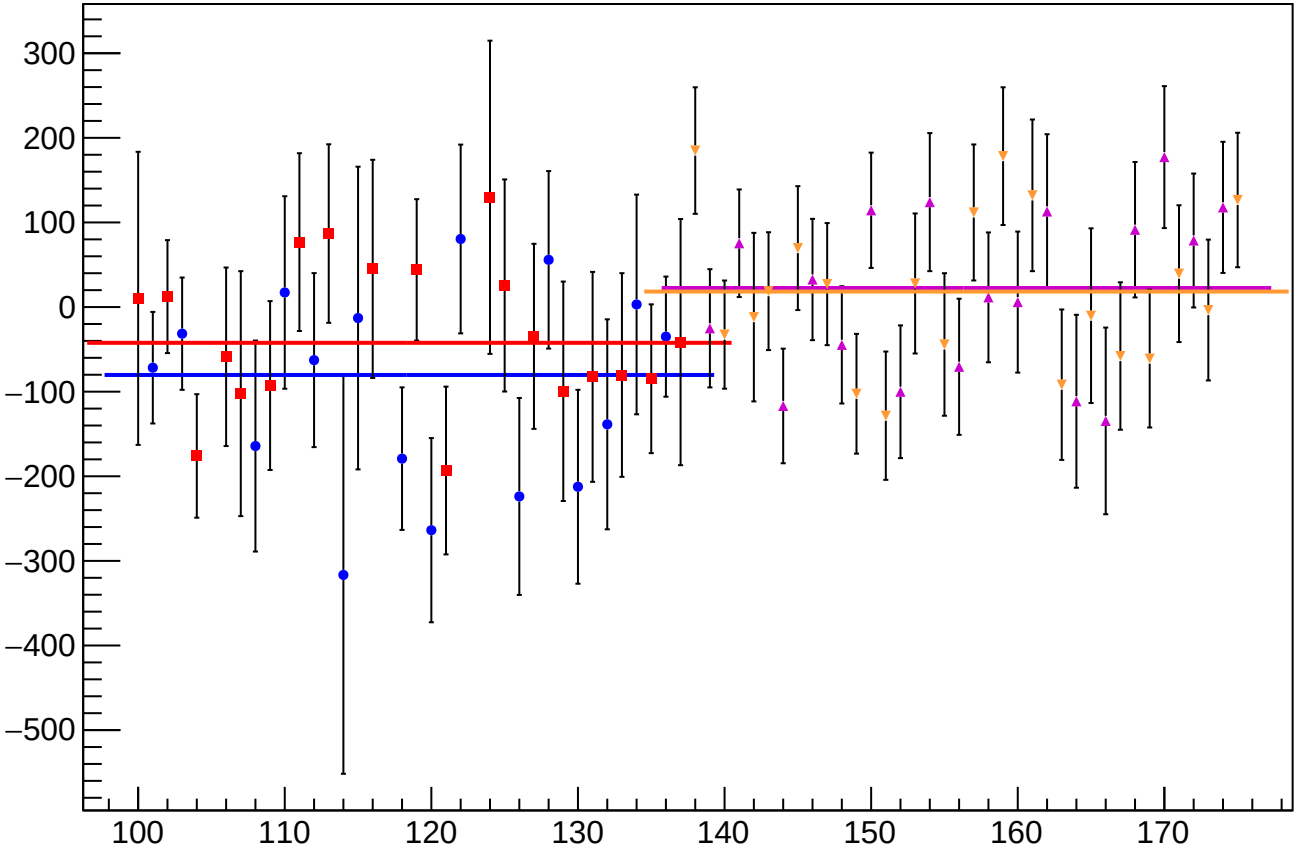
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1083.862+/-0.167 χ^2/NDF:2031483.3/33

Out: 1077.378+/-0.162 χ^2/NDF:2057121.0/38

All: 1080.506+/-0.116 χ^2/NDF: 4089380.9/72

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 18.324+/-17.793 χ^2/NDF:25.6/19

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 22.535+/-18.282 χ^2/NDF:24.4/17

Left: 20.372+/-12.751 χ^2/NDF: 50.0/37

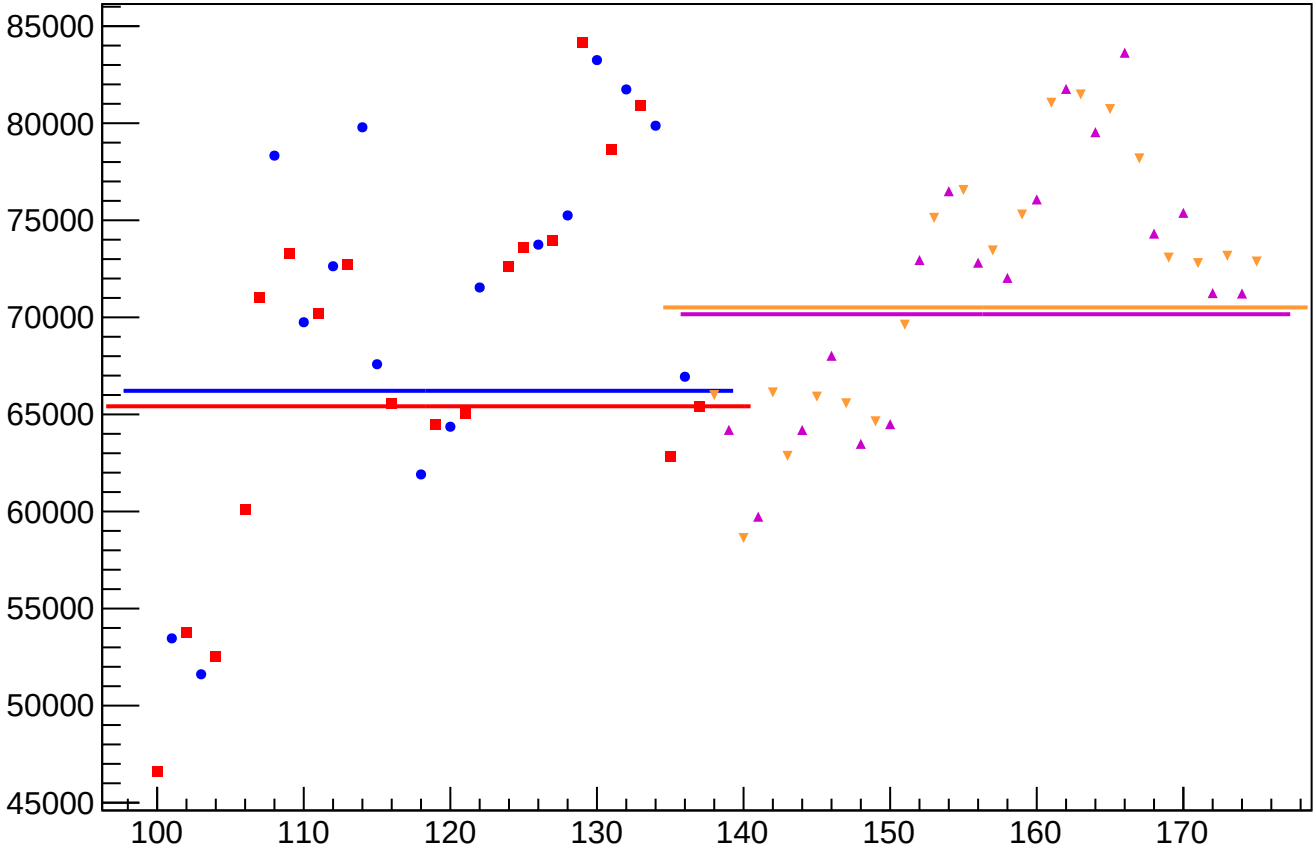
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -13.450+/-14.738 χ^2/NDF:50.3/33

Out: -3.000+/-14.324 χ^2/NDF:42.6/38

All: -8.076+/-10.272 χ^2/NDF: 93.2/72

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70511.345+/-12.582 χ^2/NDF:262394.3/19

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 70160.726+/-12.928 χ^2/NDF:238914.5/17

Left: 70340.789+/-9.016 χ^2/NDF: 501686.6/37

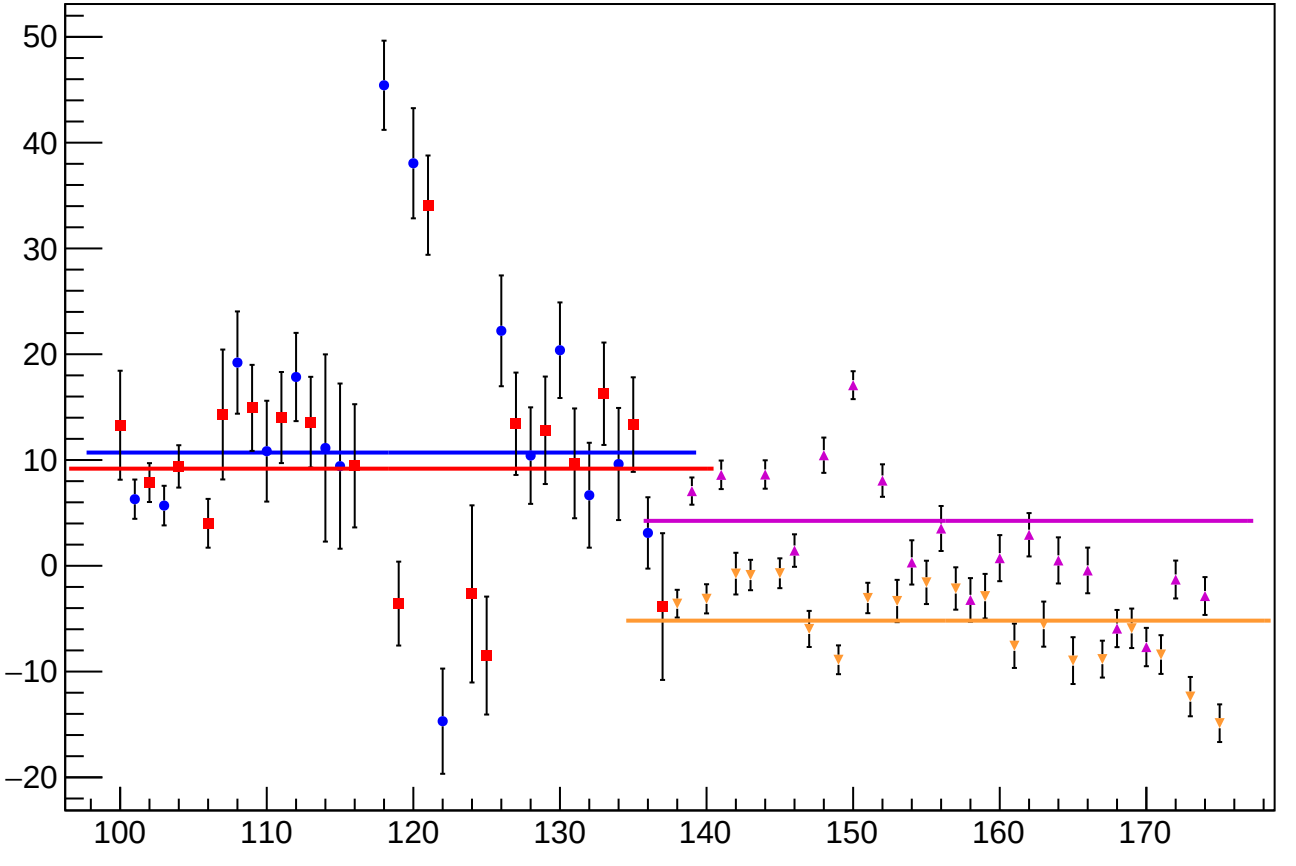
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68779.710+/-10.422 χ^2/NDF:609888.7/33

Out: 68718.940+/-10.128 χ^2/NDF:624616.3/38

All: 68748.458+/-7.263 χ^2/NDF: 1234522.5/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.185+/-0.382 χ^2/NDF:101.6/19

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 4.249+/-0.398 χ^2/NDF:273.4/17

Left: -0.667+/-0.276 χ^2/NDF: 667.1/37

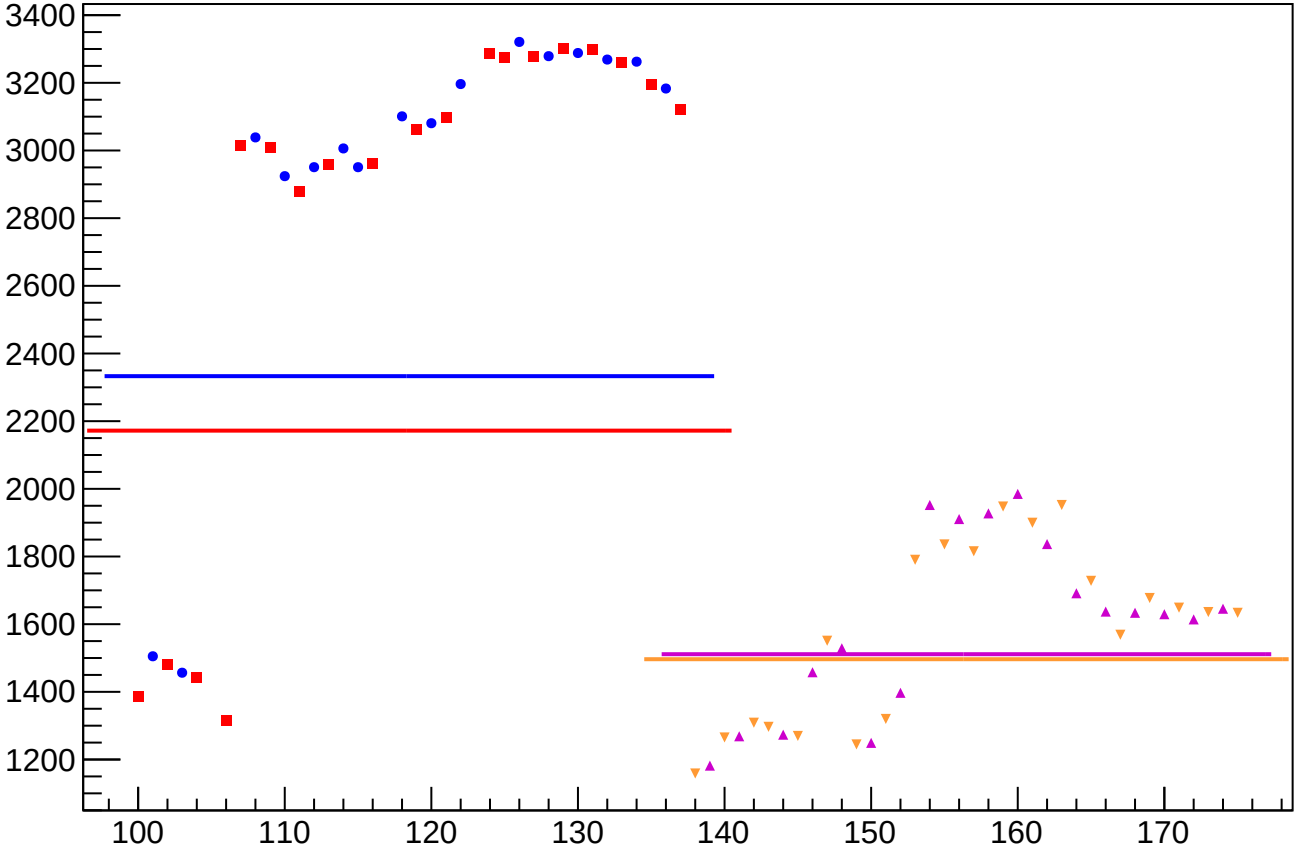
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.267+/-0.366 χ^2/NDF:470.4/33

Out: -2.772+/-0.348 χ^2/NDF:408.8/38

All: 1.054+/-0.252 χ^2/NDF: 1132.5/72

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1496.465+/-0.270 χ^2/NDF:885151.7/19

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1511.275+/-0.282 χ^2/NDF:793599.8/17

Left: 1503.558+/-0.195 χ^2/NDF: 1680191.4/37

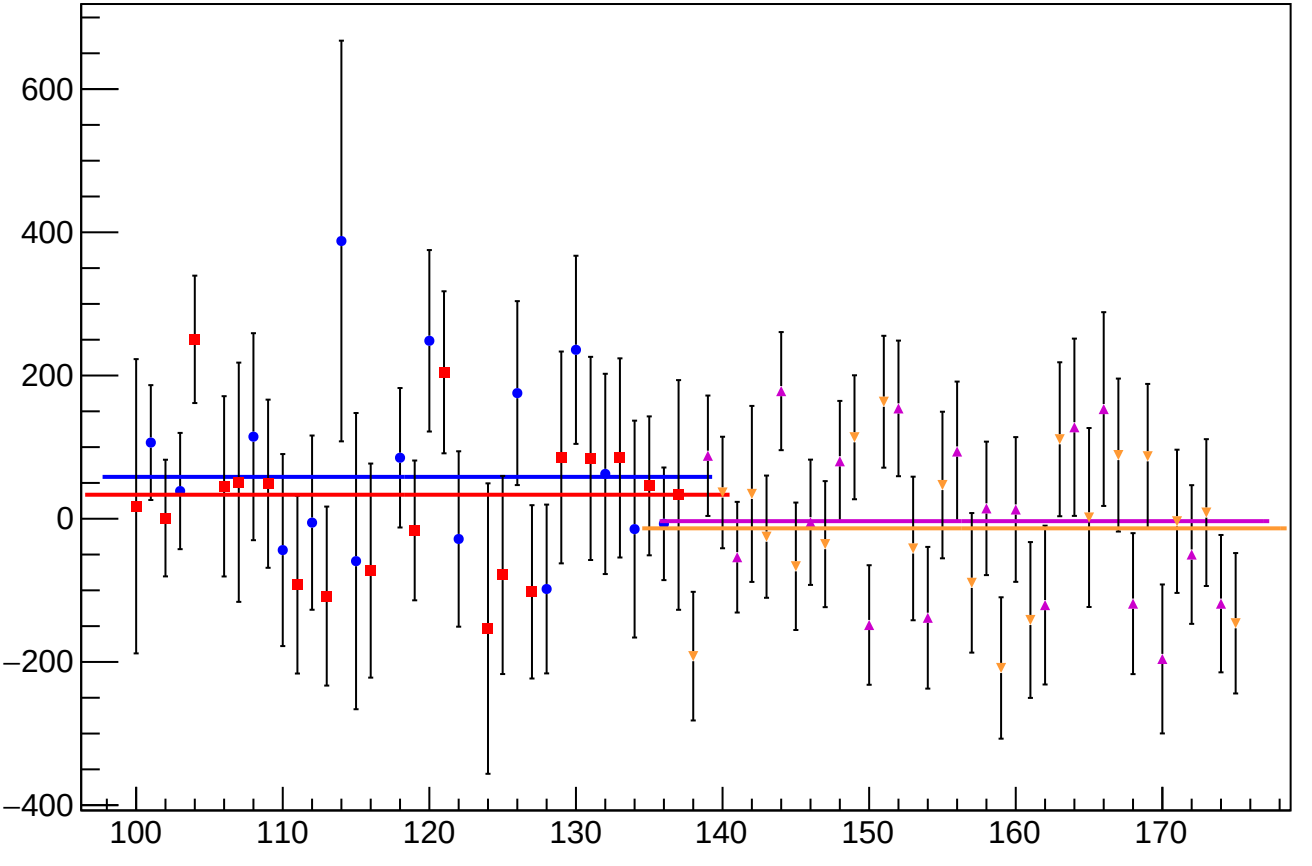
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1640.919+/-0.259 χ^2/NDF:3787288.2/33

Out: 1609.951+/-0.246 χ^2/NDF:3920185.3/38

All: 1624.689+/-0.178 χ^2/NDF: 7714991.9/72

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -13.422+/-21.710 χ^2/NDF:22.3/19

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -3.381+/-22.280 χ^2/NDF:26.2/17

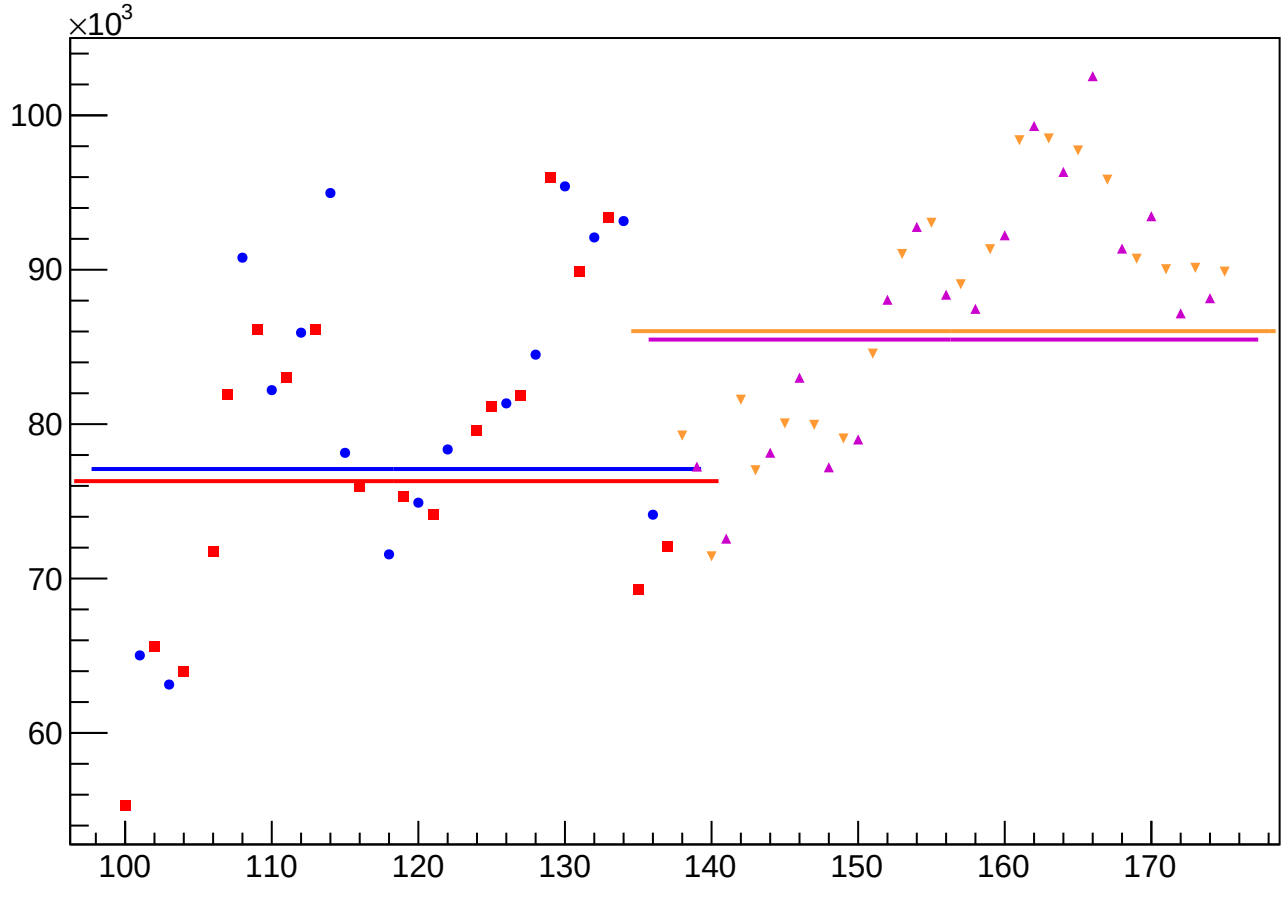
Left: -8.531+/-15.549 χ^2/NDF: 48.5/37

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 19.649+/-17.649 χ^2/NDF:40.4/33

Out: 4.121+/-17.181 χ^2/NDF:38.7/38

All: 11.676+/-12.311 χ^2/NDF: 79.4/72



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 86024.160+/-15.352 χ^2/NDF:261429.0/19

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 85476.653+/-15.754 χ^2/NDF:246926.0/17

Left: 85757.488+/-10.995 χ^2/NDF: 508974.5/37

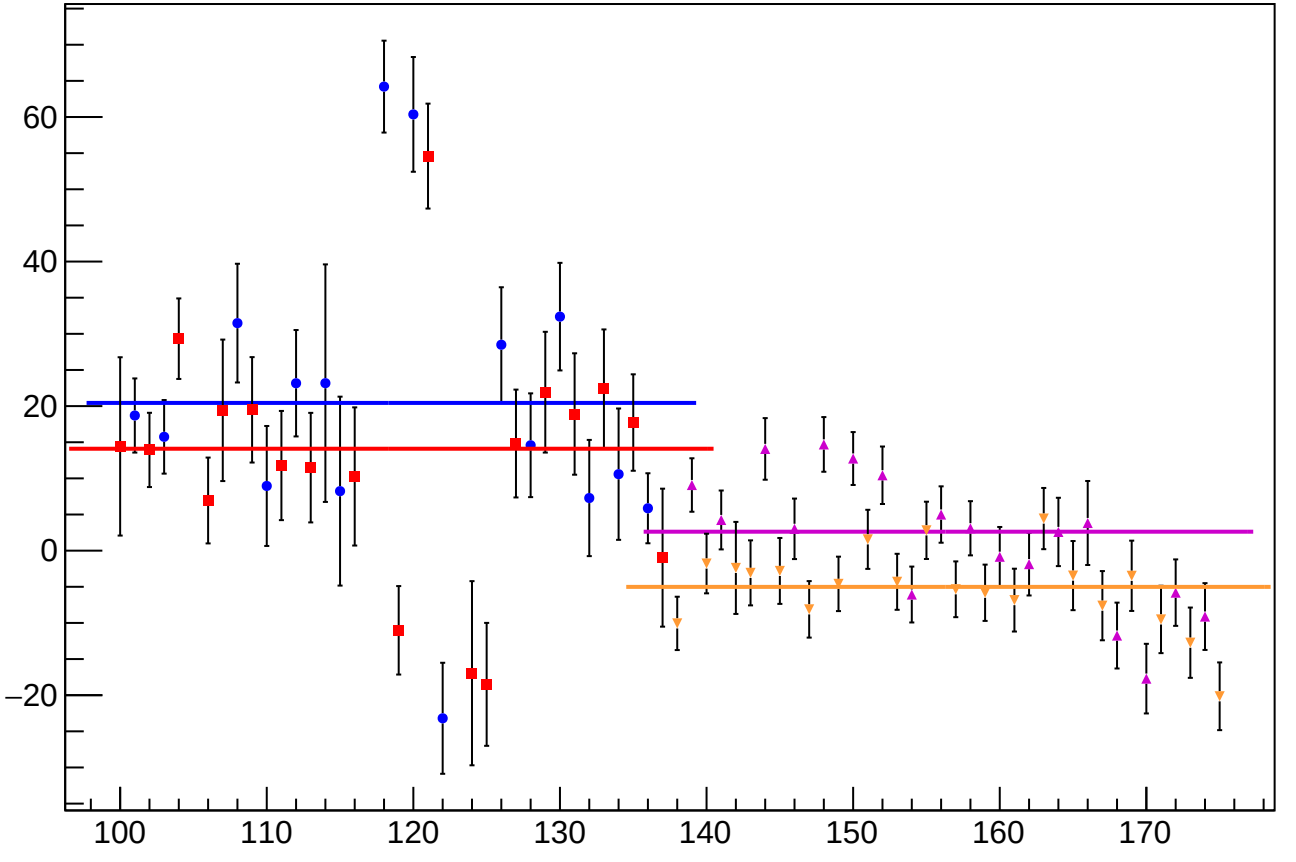
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 82353.905+/-12.480 χ^2/NDF:600951.7/33

Out: 82393.431+/-12.149 χ^2/NDF:645536.9/38

All: 82374.199+/-8.705 χ^2/NDF: 1246493.8/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.013+/-0.960 χ^2/NDF:29.8/19

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.622+/-0.986 χ^2/NDF:77.0/17

Left: -1.298+/-0.688 χ^2/NDF: 137.6/37

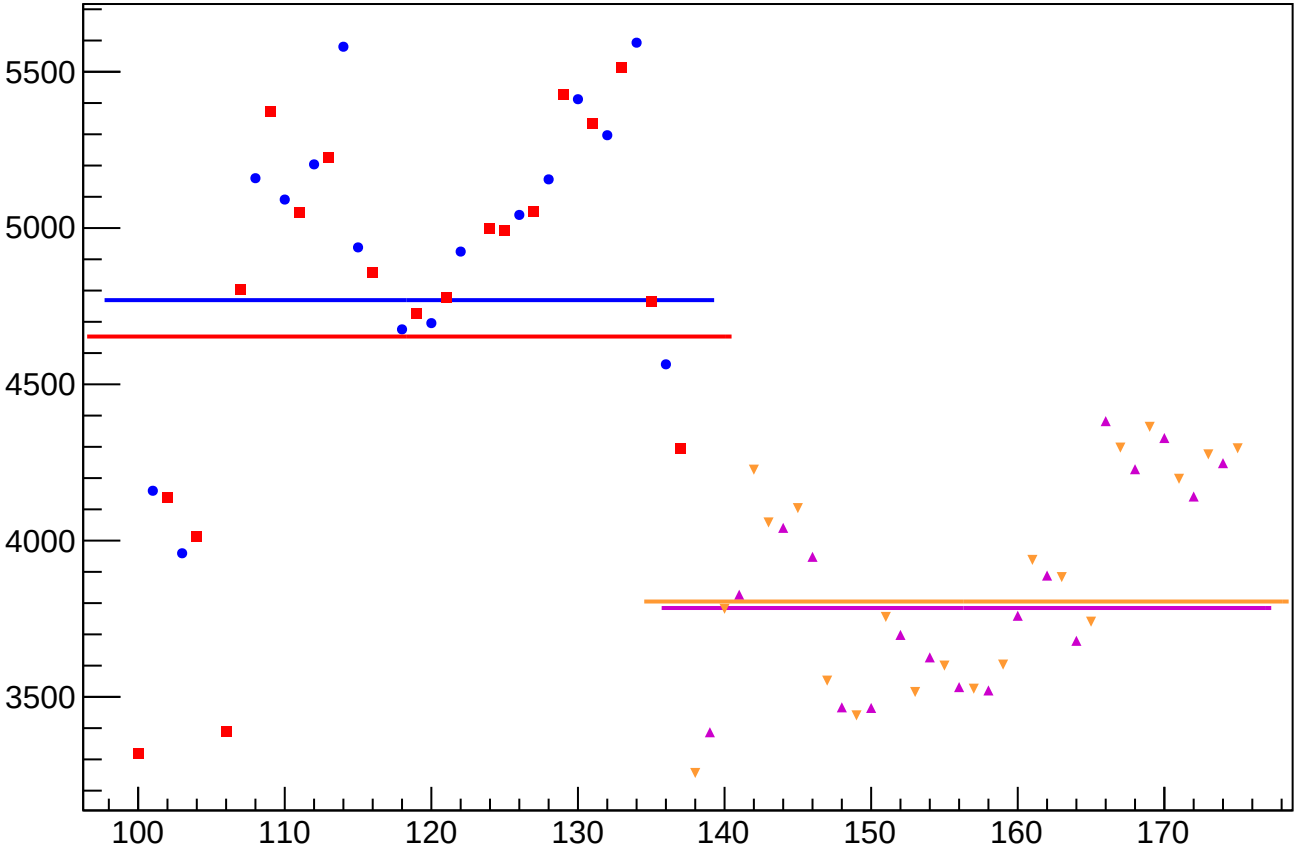
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 6.799+/-0.863 χ^2/NDF:281.4/33

Out: -0.448+/-0.837 χ^2/NDF:208.3/38

All: 3.067+/-0.601 χ^2/NDF: 526.0/72

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3805.125+/-0.679 χ^2/NDF:232995.1/19

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3784.341+/-0.697 χ^2/NDF:185584.1/17

Left: 3795.013+/-0.486 χ^2/NDF: 419035.5/37

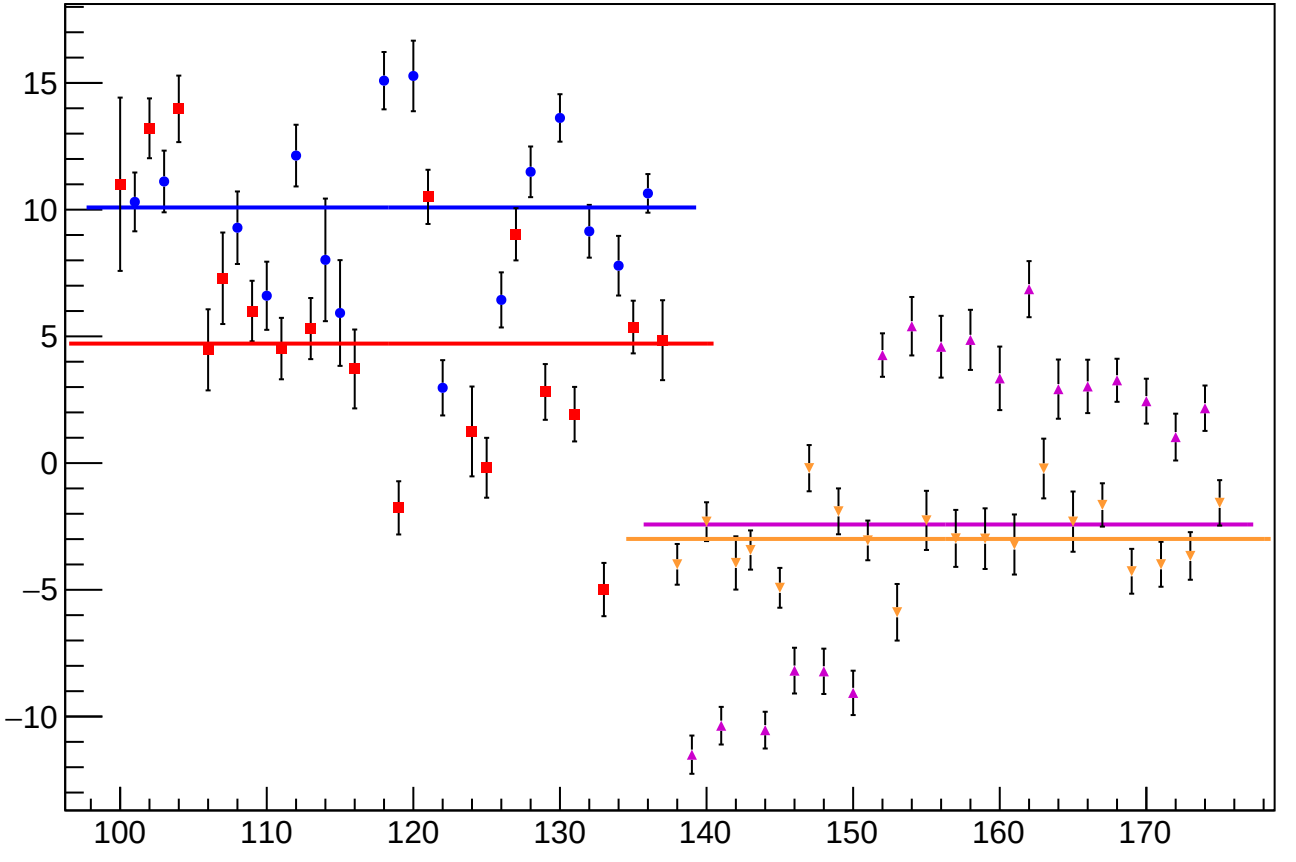
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4015.218+/-0.610 χ^2/NDF:805155.3/33

Out: 4007.560+/-0.592 χ^2/NDF:870777.9/38

All: 4011.275+/-0.425 χ^2/NDF: 1676014.4/72

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.993+/-0.209 χ^2/NDF:42.2/19

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.422+/-0.219 χ^2/NDF:956.8/17

Left: -2.721+/-0.151 χ^2/NDF: 1002.6/37

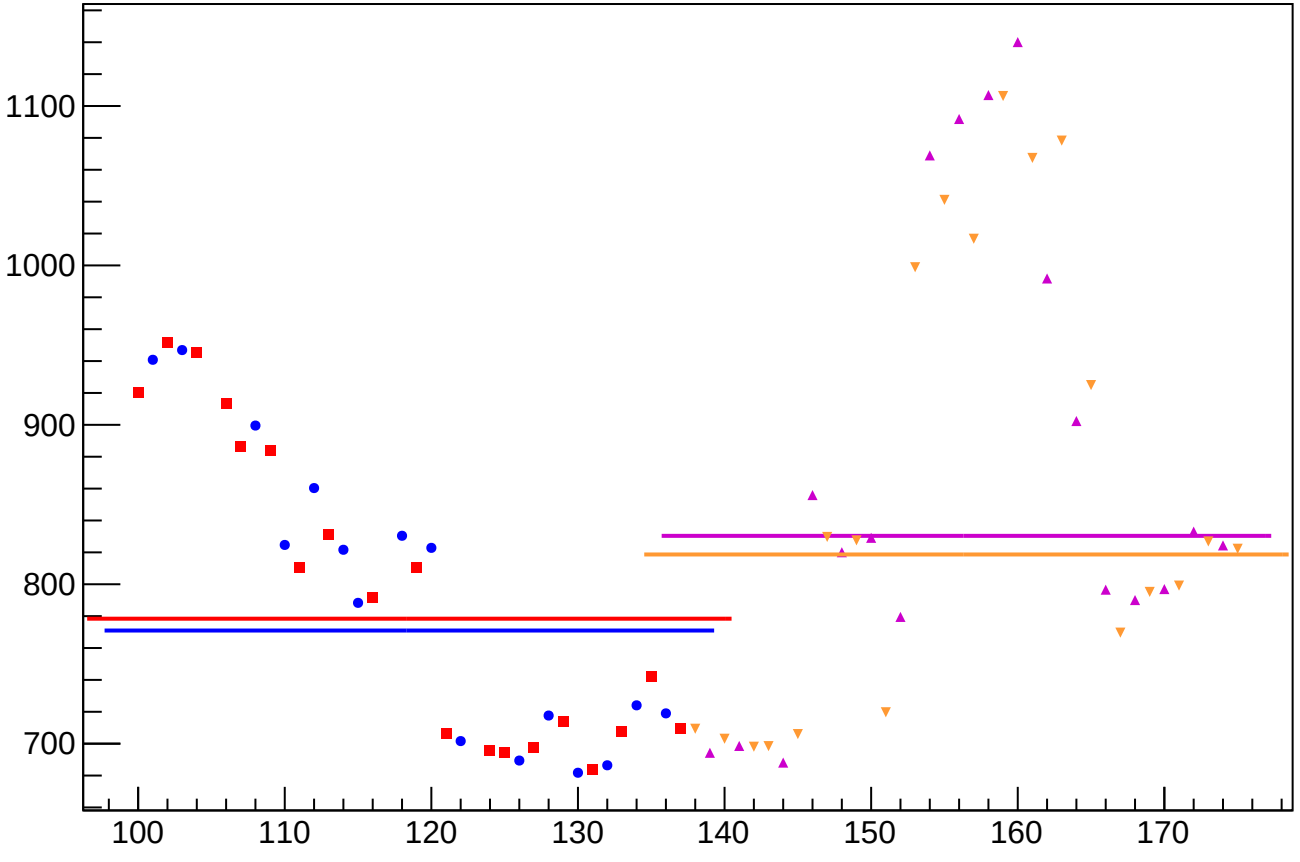
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.144+/-0.174 χ^2/NDF:2275.4/33

Out: -0.312+/-0.169 χ^2/NDF:826.9/38

All: 0.875+/-0.121 χ^2/NDF: 3205.0/72

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.679+/-0.148 χ^2/NDF:743390.7/19

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.363+/-0.155 χ^2/NDF:682010.0/17

Left: 824.248+/-0.107 χ^2/NDF: 1428389.2/37

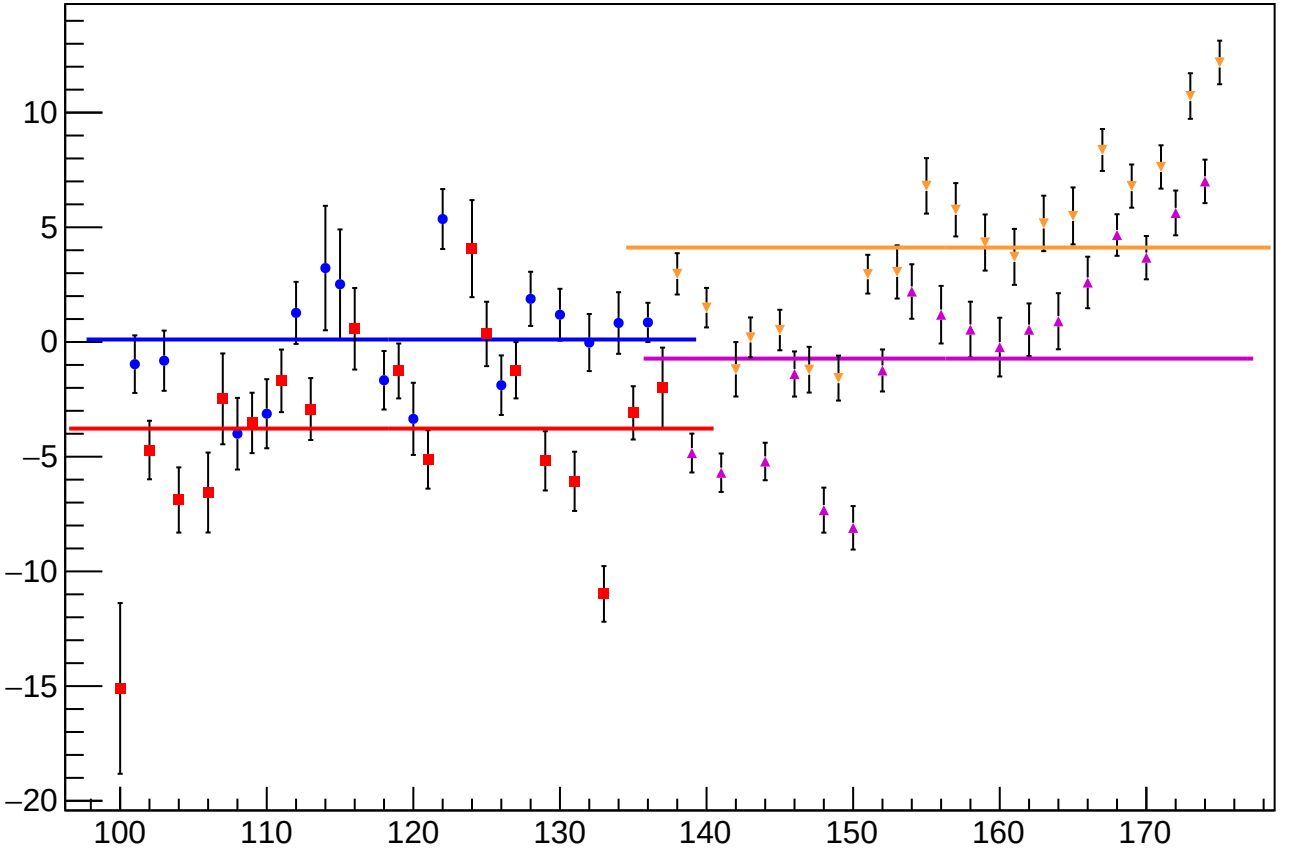
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.682+/-0.123 χ^2/NDF:928781.6/33

Out: 804.668+/-0.119 χ^2/NDF:965858.6/38

All: 806.608+/-0.086 χ^2/NDF: 1895188.4/72

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.117+/-0.225 χ^2/NDF:301.9/19

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.724+/-0.235 χ^2/NDF:382.6/17

Left: 1.806+/-0.163 χ^2/NDF: 905.5/37

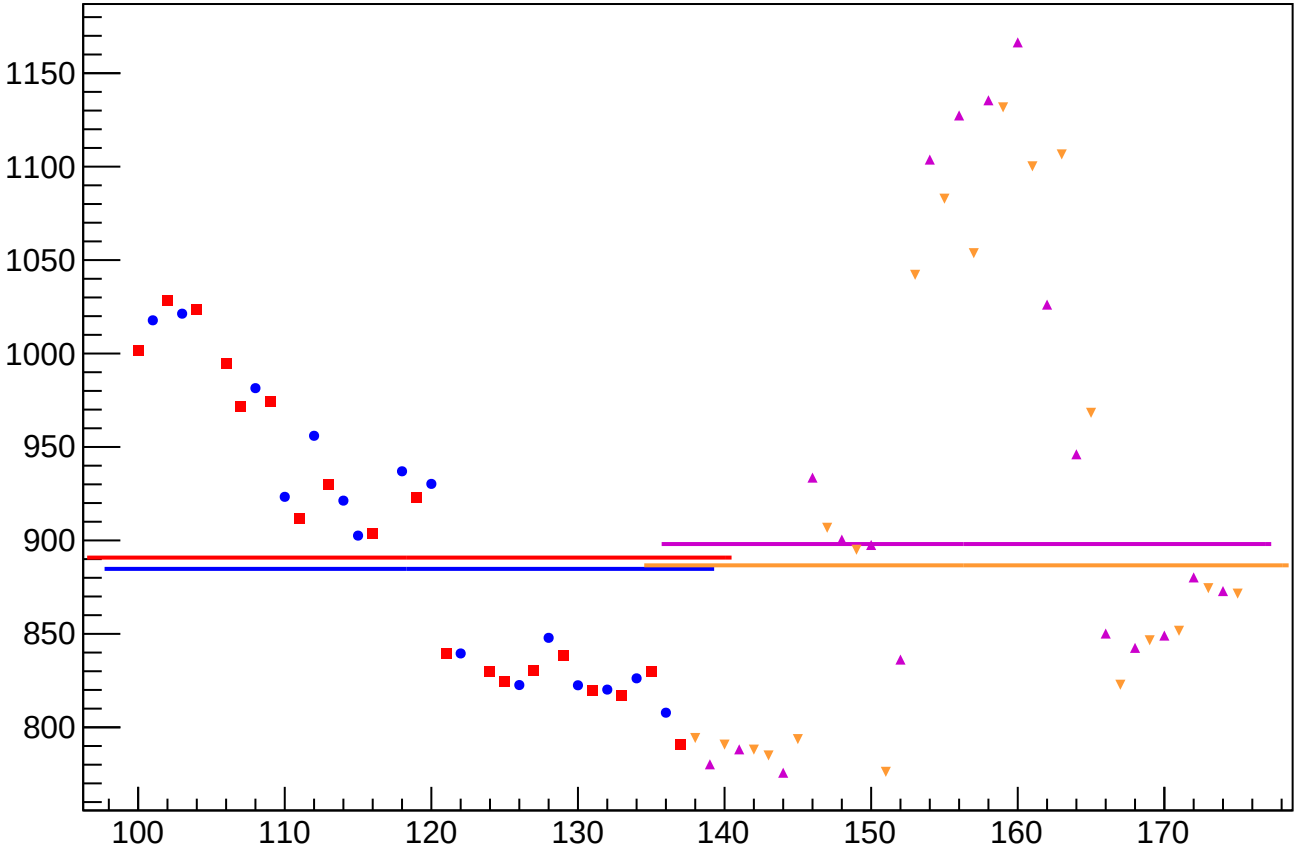
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.443+/-0.192 χ^2/NDF:432.2/33

Out: 1.572+/-0.185 χ^2/NDF:798.2/38

All: 0.599+/-0.133 χ^2/NDF: 1287.6/72

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.669+/-0.159 χ^2/NDF:507542.6/19

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 898.065+/-0.166 χ^2/NDF:467207.5/17

Left: 892.109+/-0.115 χ^2/NDF: 977199.3/37

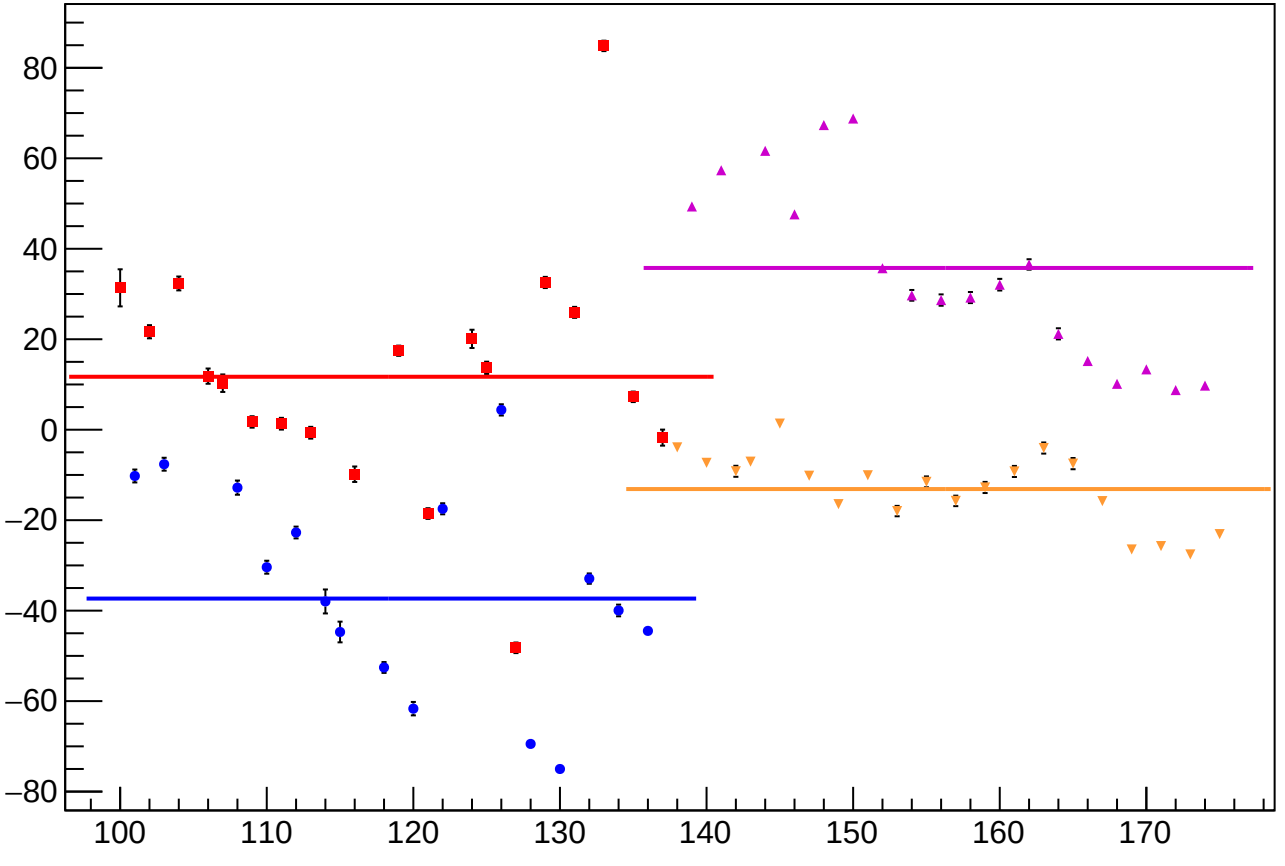
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.580+/-0.136 χ^2/NDF:573852.7/33

Out: 888.007+/-0.131 χ^2/NDF:615525.3/38

All: 890.698+/-0.094 χ^2/NDF: 1190252.8/72

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.119+/-0.227 χ^2/NDF:1319.9/19

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 35.759+/-0.238 χ^2/NDF:7383.3/17

Left: 10.113+/-0.164 χ^2/NDF: 30747.4/37

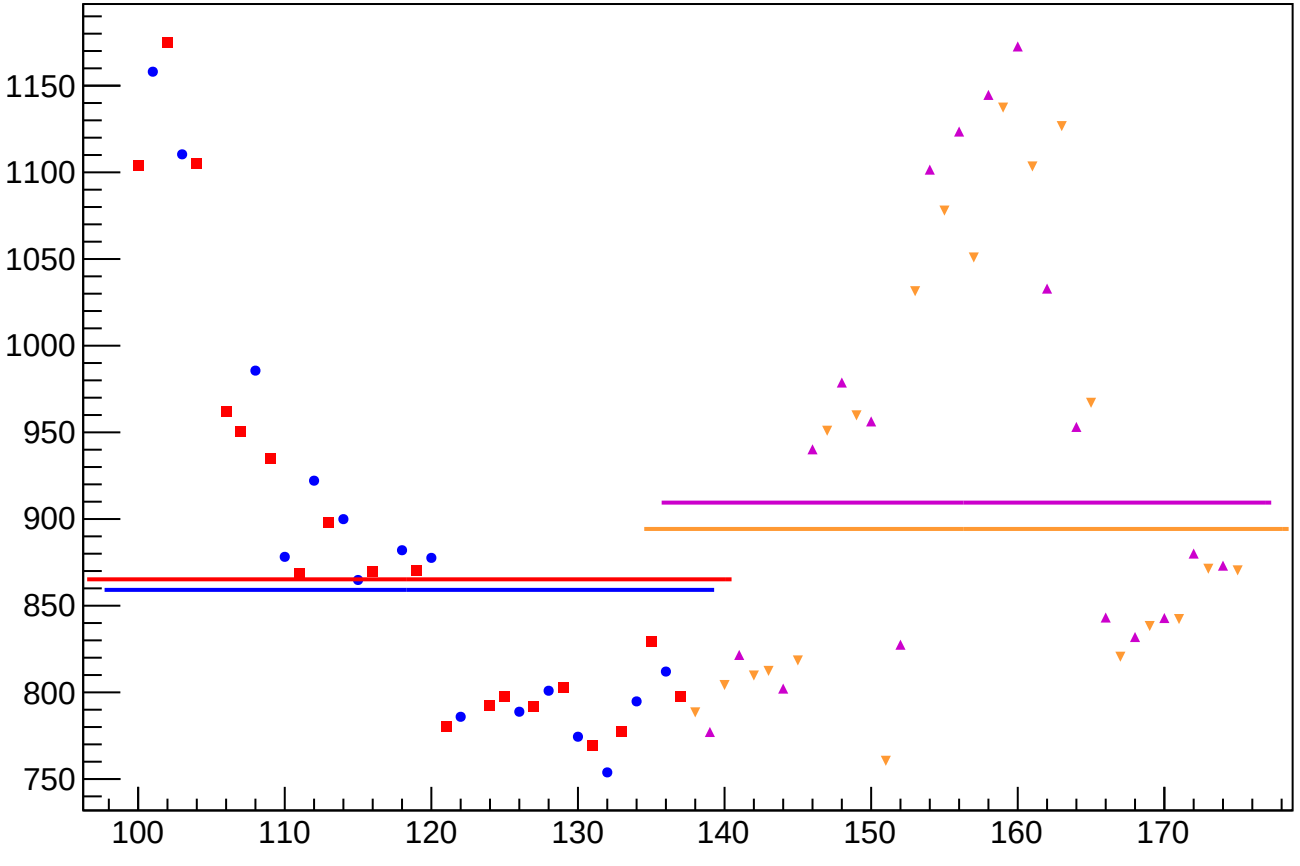
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.844+/-0.192 χ^2/NDF:45876.7/33

Out: -4.738+/-0.185 χ^2/NDF:13822.7/38

All: 2.287+/-0.133 χ^2/NDF: 62701.8/72

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.277+/-0.160 χ^2/NDF:509973.8/19

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 909.468+/-0.169 χ^2/NDF:462819.7/17

Left: 901.497+/-0.116 χ^2/NDF: 977051.9/37

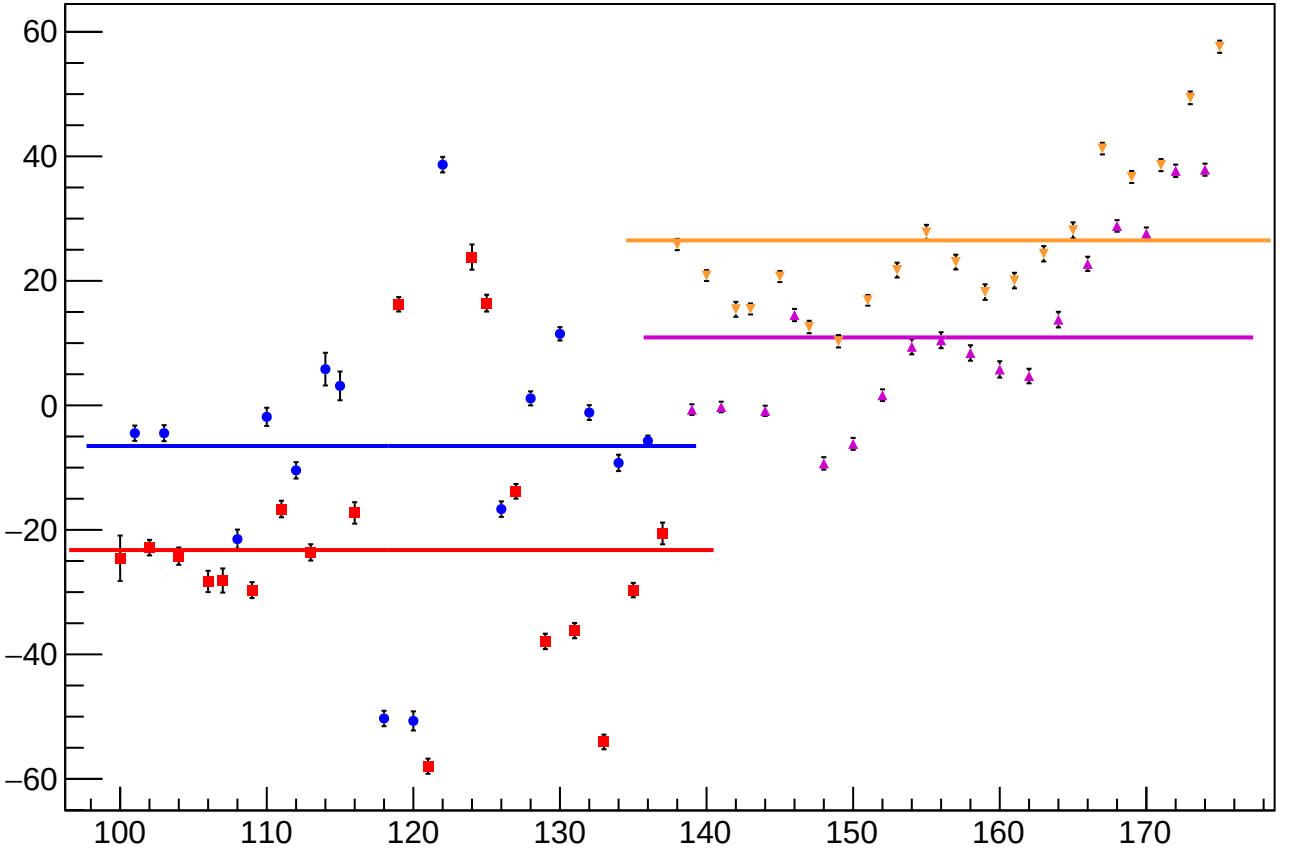
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 891.618+/-0.135 χ^2/NDF:723133.8/33

Out: 884.465+/-0.131 χ^2/NDF:744715.3/38

All: 887.911+/-0.094 χ^2/NDF: 1469294.0/72

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 26.501+/-0.230 χ^2/NDF:3034.4/19

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 10.915+/-0.240 χ^2/NDF:3696.7/17

Left: 19.064+/-0.166 χ^2/NDF: 8930.1/37

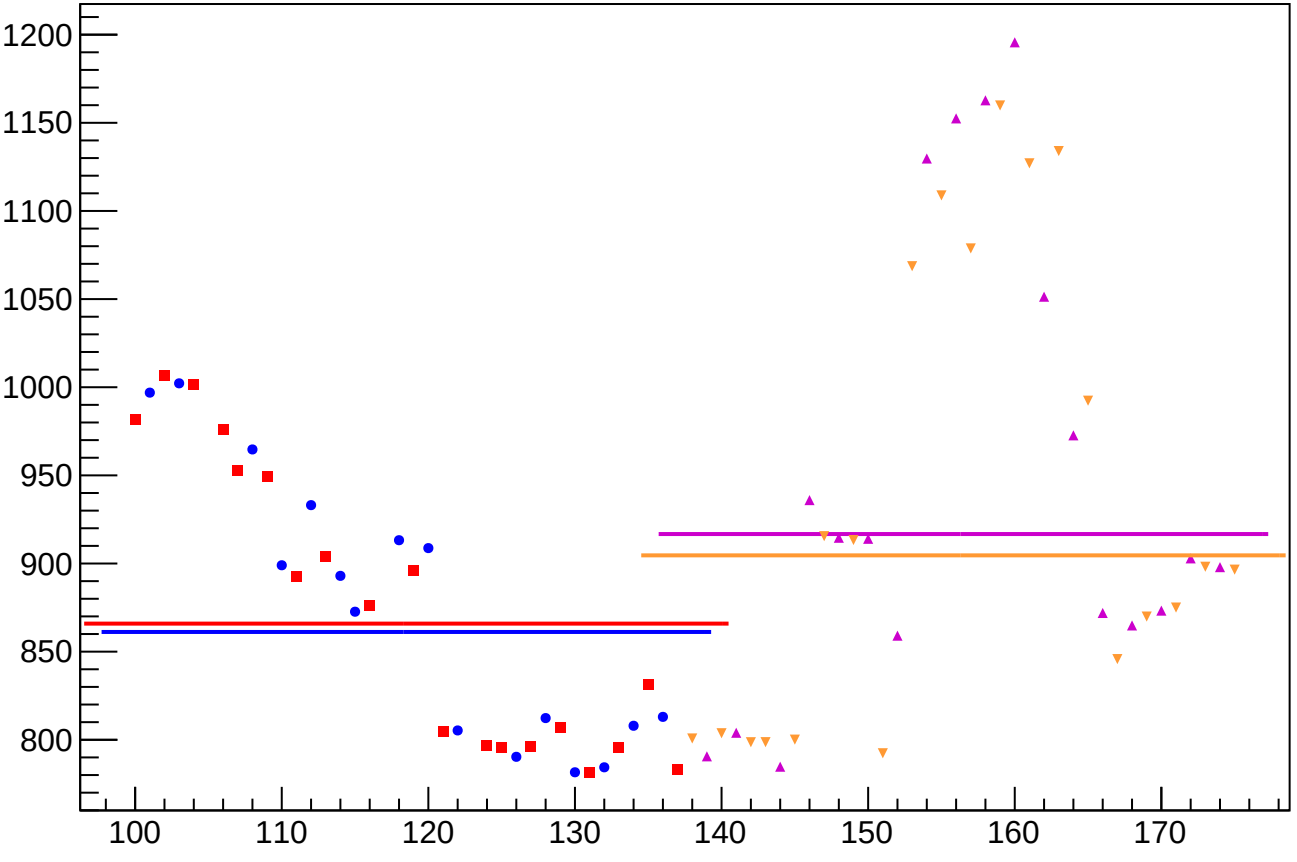
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 4.654+/-0.192 χ^2/NDF:9533.6/33

Out: 9.386+/-0.186 χ^2/NDF:23654.7/38

All: 7.101+/-0.134 χ^2/NDF: 33501.1/72

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.626+/-0.162 χ^2/NDF:531043.0/19

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 916.720+/-0.170 χ^2/NDF:479316.0/17

Left: 910.397+/-0.117 χ^2/NDF: 1013006.9/37

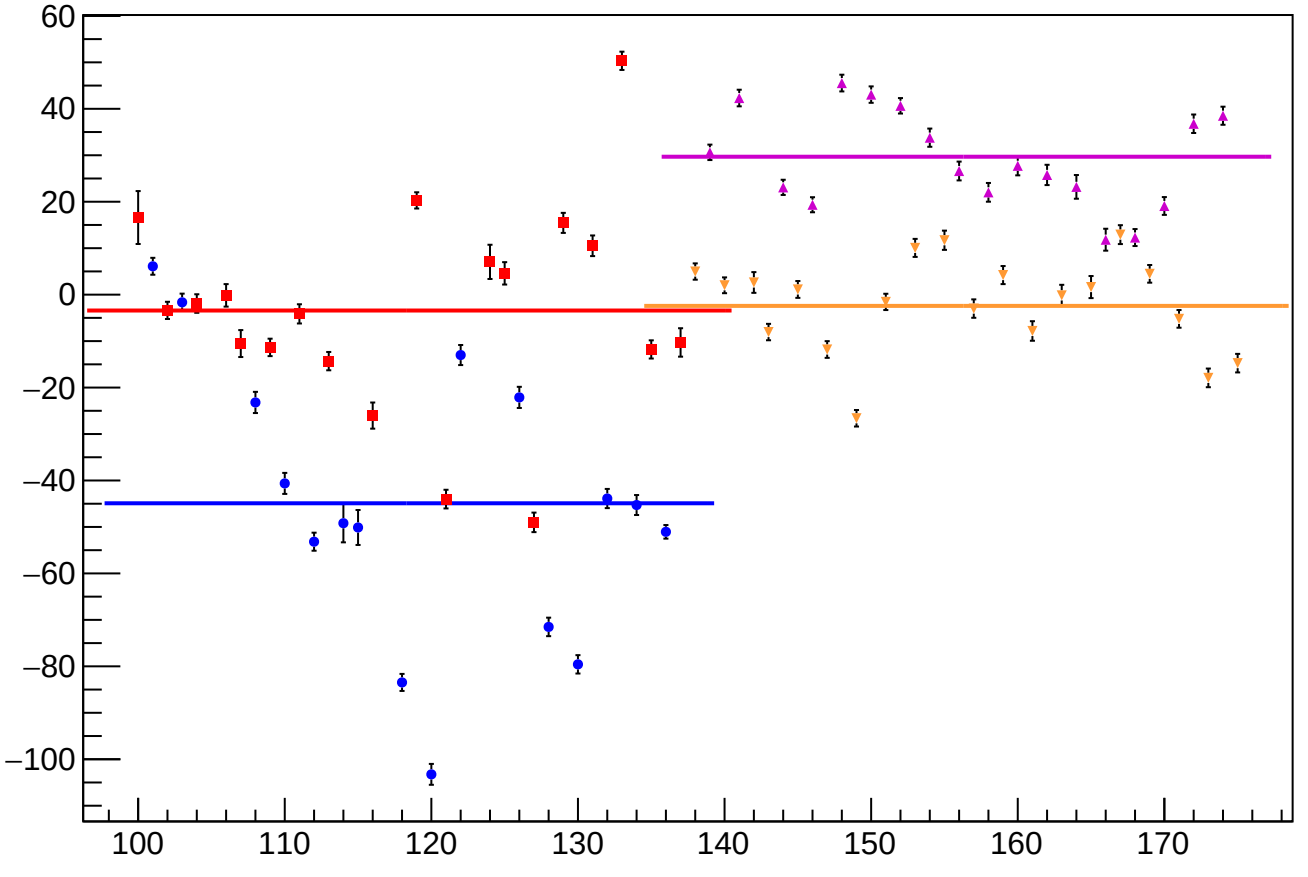
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.781+/-0.136 χ^2/NDF:631198.1/33

Out: 891.305+/-0.131 χ^2/NDF:669030.7/38

All: 893.950+/-0.095 χ^2/NDF: 1301066.4/72

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.419+/-0.432 χ^2/NDF:536.3/19

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.687+/-0.445 χ^2/NDF:529.1/17

Left: 13.147+/-0.310 χ^2/NDF: 3741.6/37

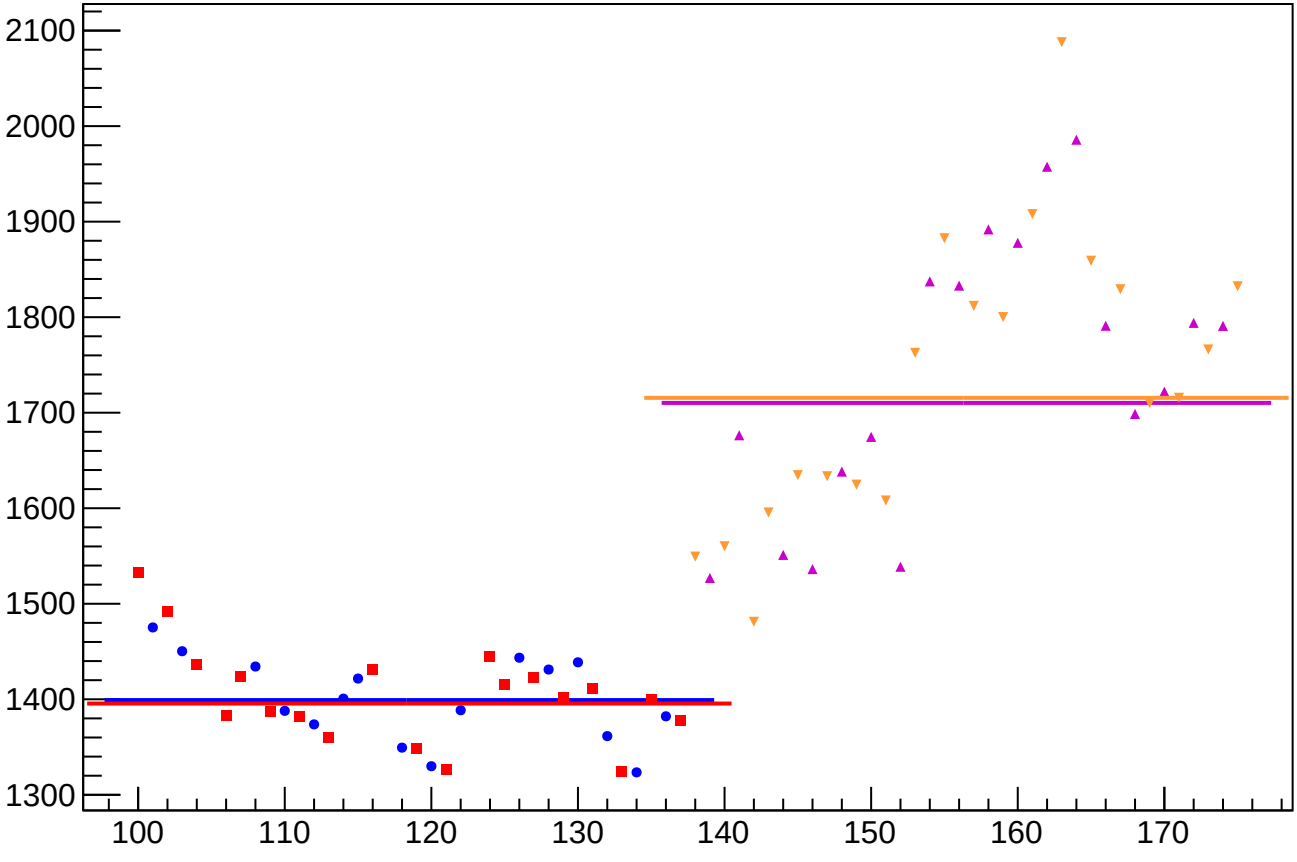
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -1.890+/-0.338 χ^2/NDF:15777.2/33

Out: -2.837+/-0.329 χ^2/NDF:2640.6/38

All: -2.376+/-0.236 χ^2/NDF: 18421.8/72

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1715.564+/-0.306 χ^2/NDF:201531.0/19

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1710.259+/-0.315 χ^2/NDF:196076.2/17

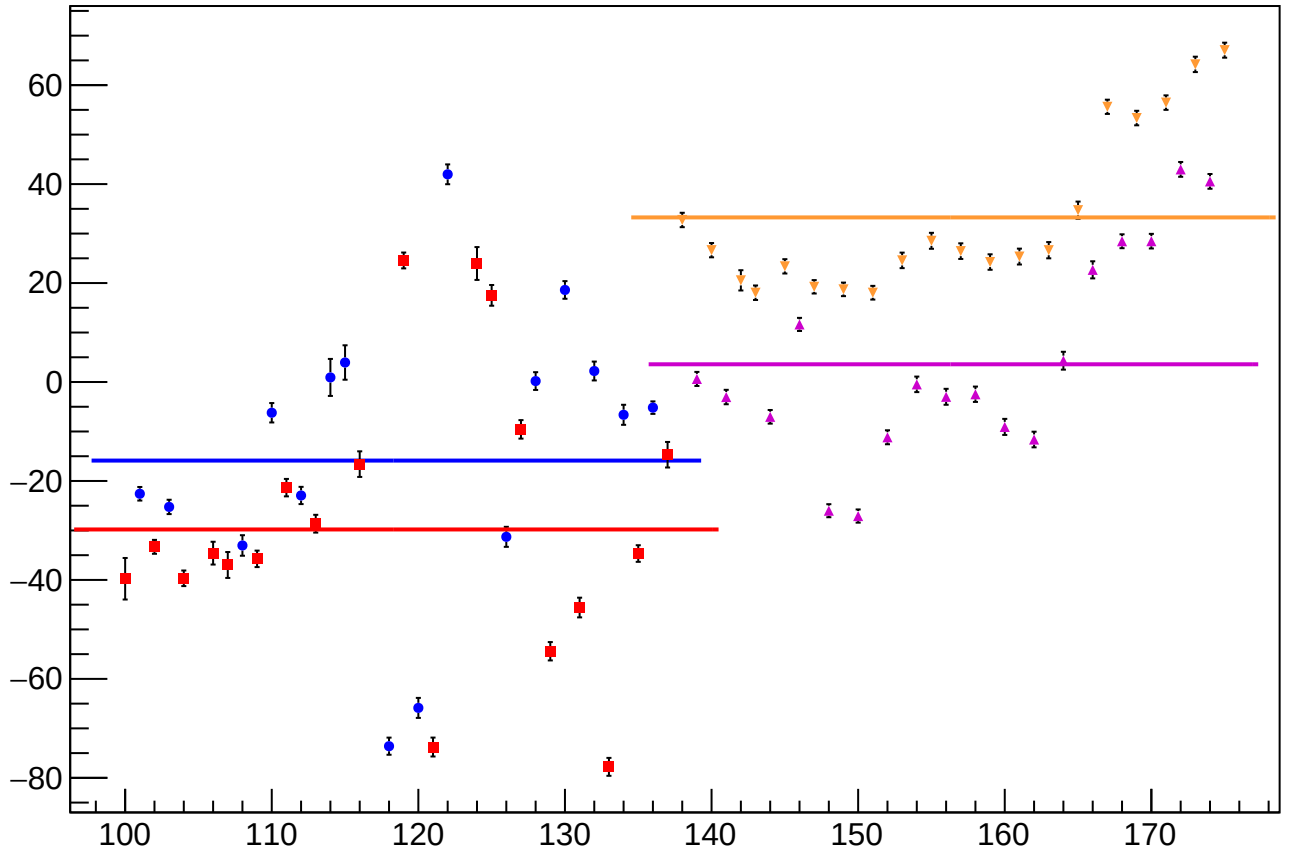
Left: 1712.992+/-0.219 χ^2/NDF: 397753.3/37

Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1578.565+/-0.239 χ^2/NDF:623854.9/33

Out: 1581.562+/-0.233 χ^2/NDF:677026.9/38

All: 1580.103+/-0.167 χ^2/NDF: 1300962.4/72



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 33.265+/-0.339 χ^2/NDF:2258.1/19

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 3.582+/-0.350 χ^2/NDF:3478.6/17

Left: 18.859+/-0.243 χ^2/NDF: 9448.9/37

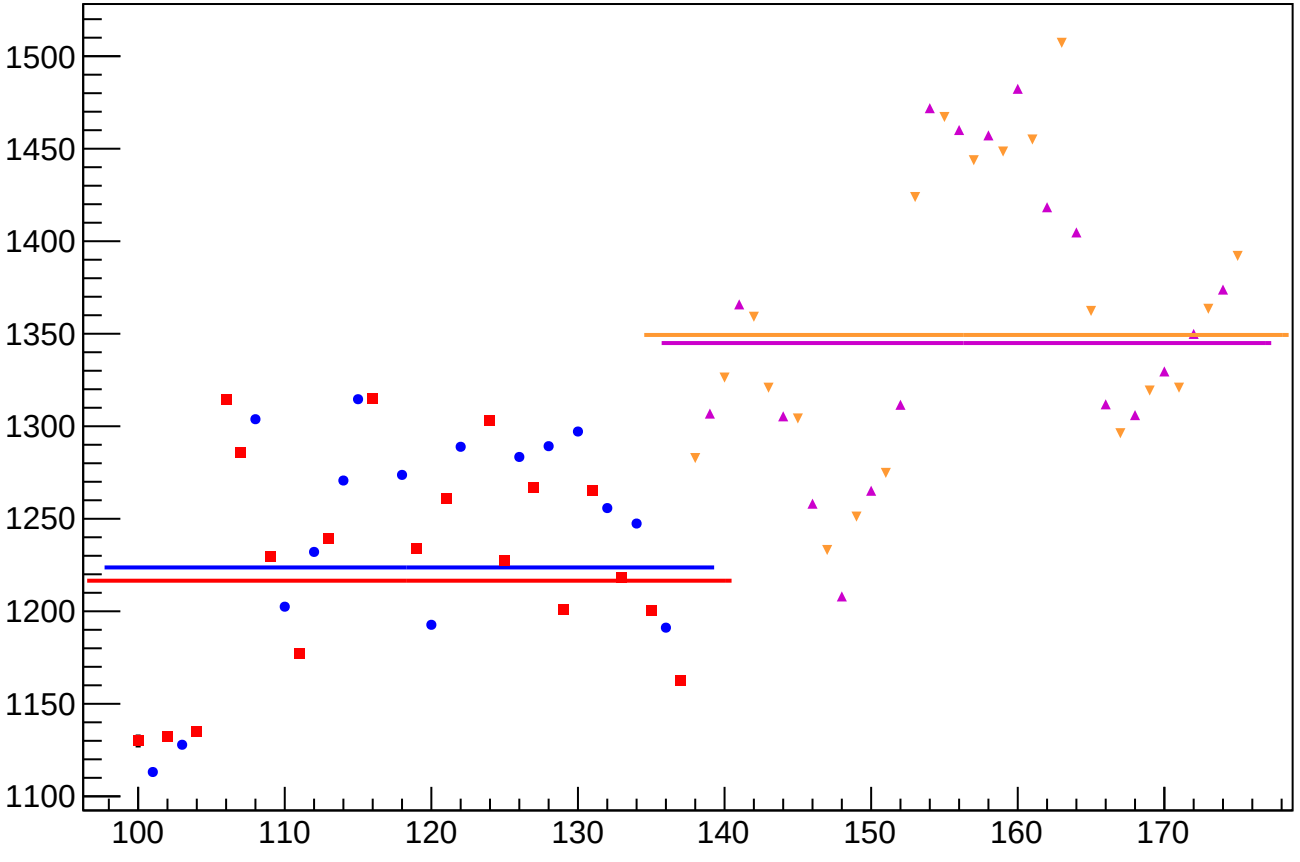
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -3.635+/-0.277 χ^2/NDF:8106.0/33

Out: 10.030+/-0.270 χ^2/NDF:18660.7/38

All: 3.385+/-0.193 χ^2/NDF: 28014.8/72

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1349.346+/-0.240 χ^2/NDF:101896.5/19

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1344.967+/-0.247 χ^2/NDF:99797.2/17

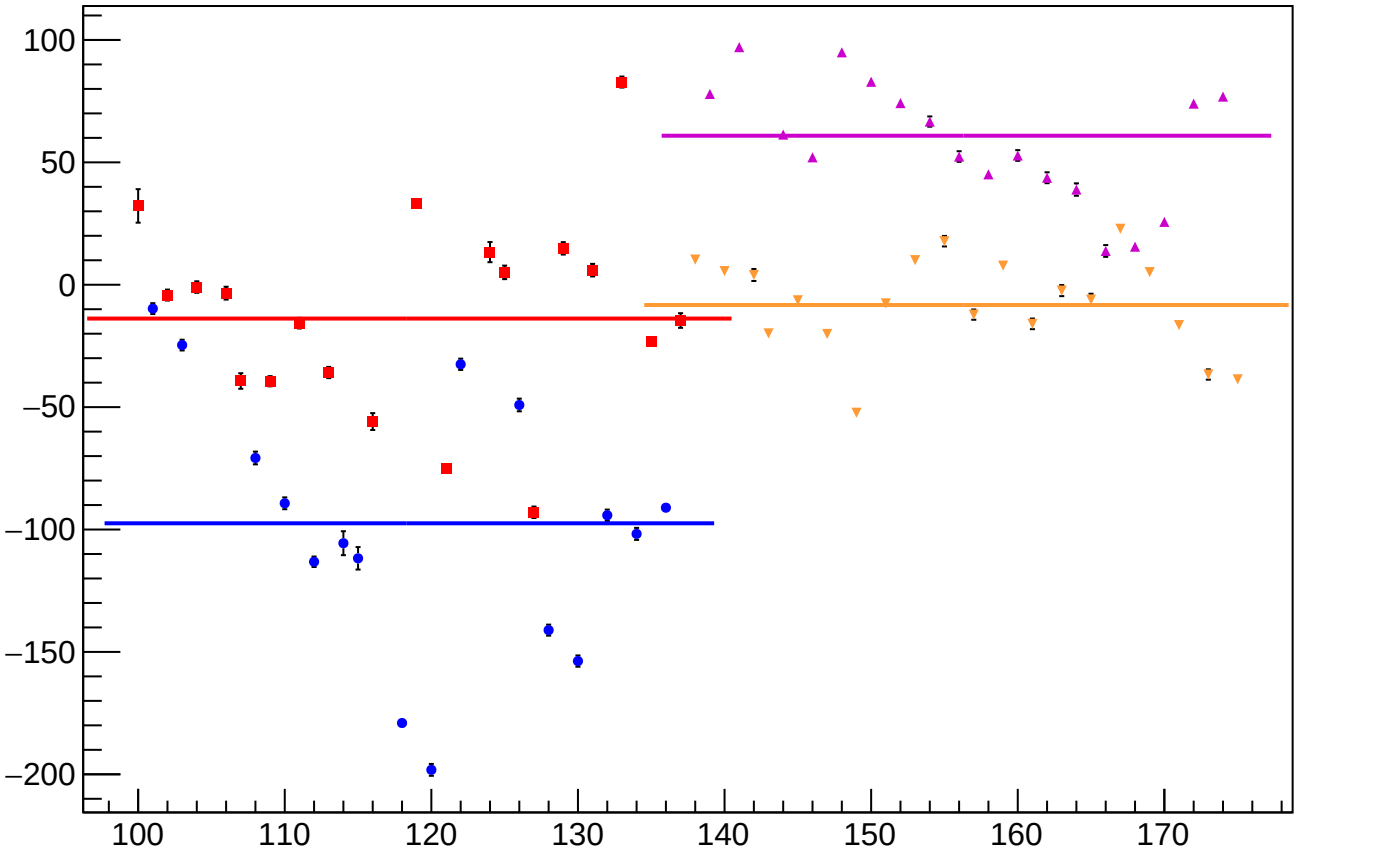
Left: 1347.220+/-0.172 χ^2/NDF: 201855.4/37

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

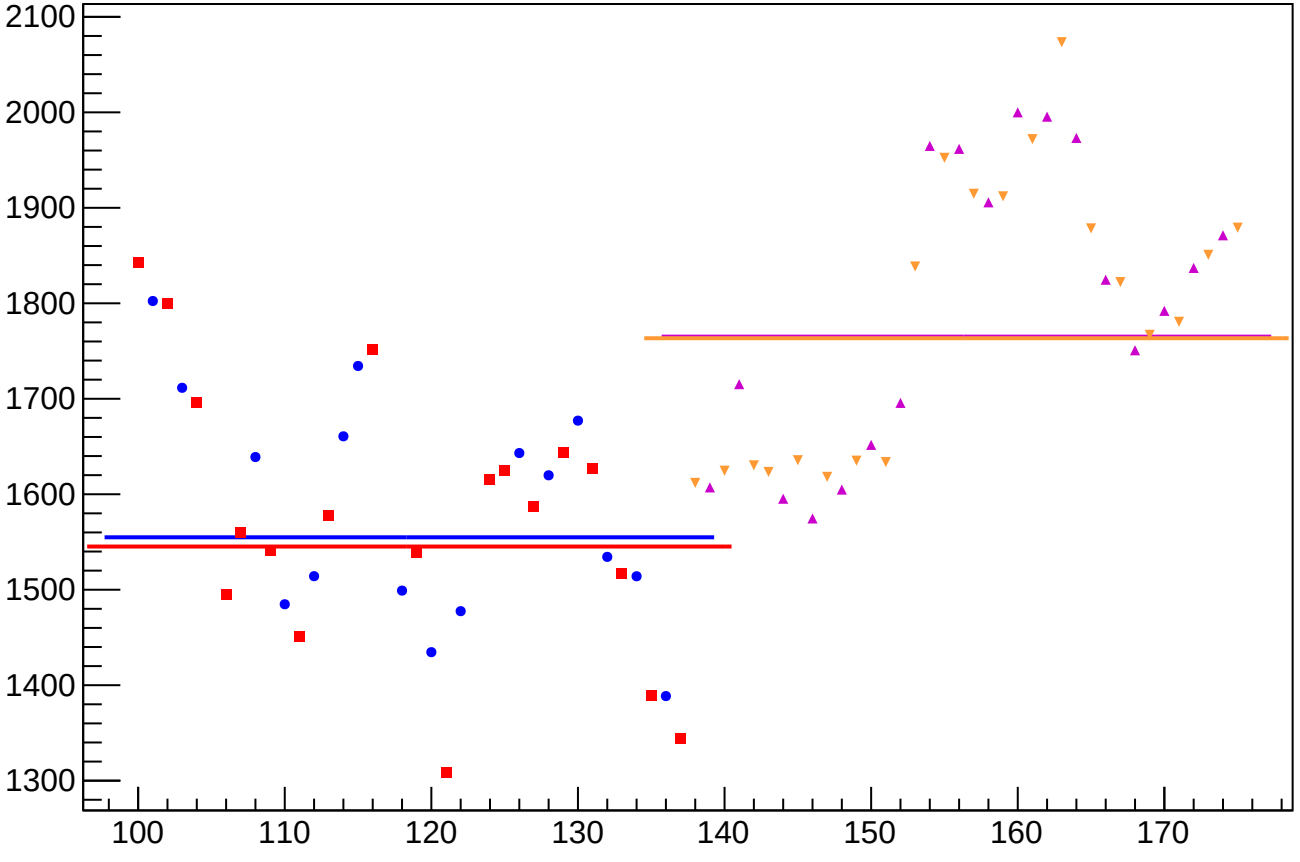
In: 1299.997+/-0.196 χ^2/NDF:229965.4/33

Out: 1300.414+/-0.191 χ^2/NDF:244118.2/38

All: 1300.211+/-0.137 χ^2/NDF: 474085.9/72


diff_bpm0i02aX_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -97.455+/-0.579 χ²/NDF: 8300.2/15
Left Out: -8.283+/-0.444 χ²/NDF:1896.8/19
Right Out: -13.816+/-0.566 χ²/NDF: 5352.2/18
Left In: 60.880+/-0.460 χ²/NDF:2715.8/17
Left: 25.133+/-0.319 χ²/NDF: 16319.7/37
Right: -54.632+/-0.405 χ²/NDF: 24320.8/34
In: -0.260+/-0.360 χ²/NDF:56855.1/33
Out: -10.394+/-0.349 χ²/NDF:7308.1/38
All: -5.479+/-0.251 χ²/NDF: 64571.3/72

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1763.393+/-0.314 χ^2/NDF:199507.0/19

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1765.085+/-0.325 χ^2/NDF:204378.3/17

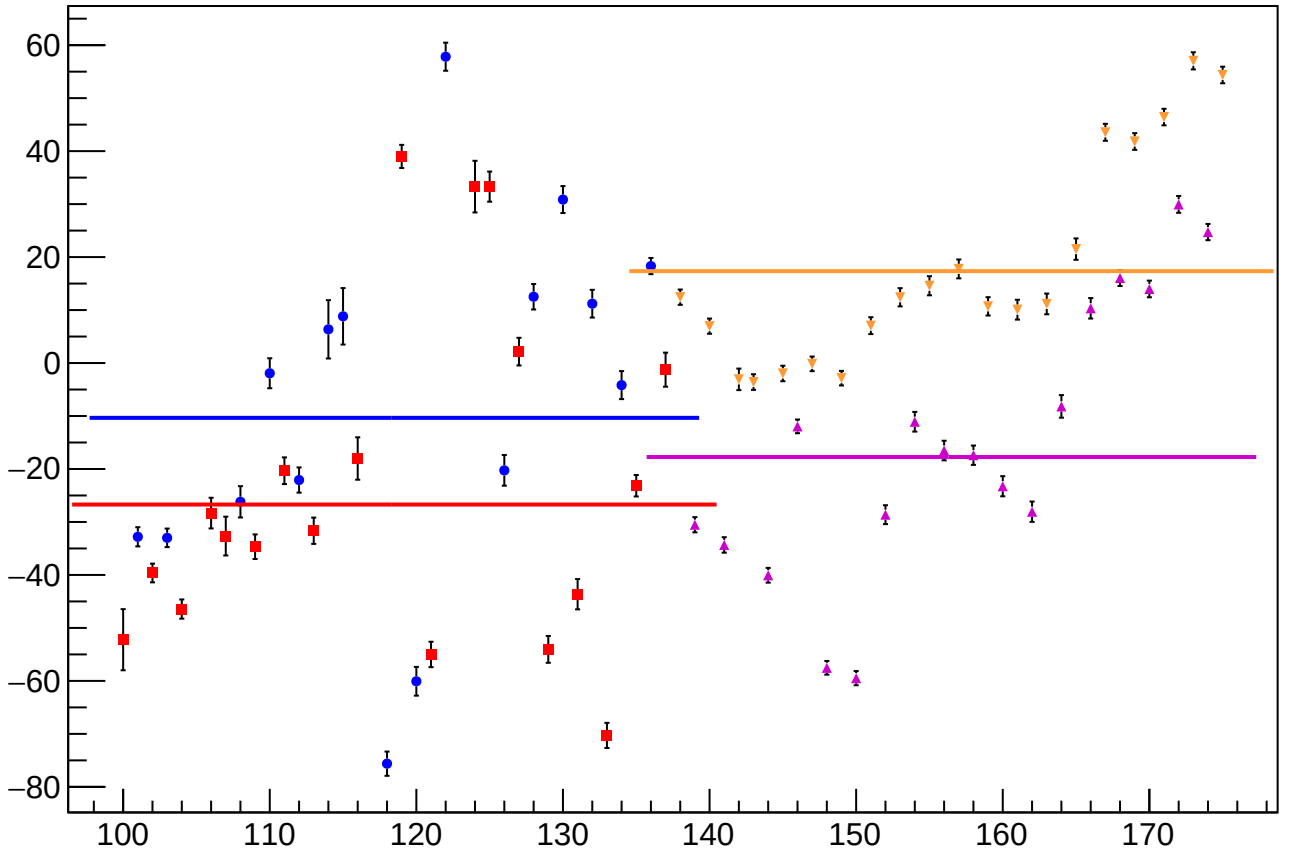
Left: 1764.211+/-0.226 χ^2/NDF: 403899.3/37

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

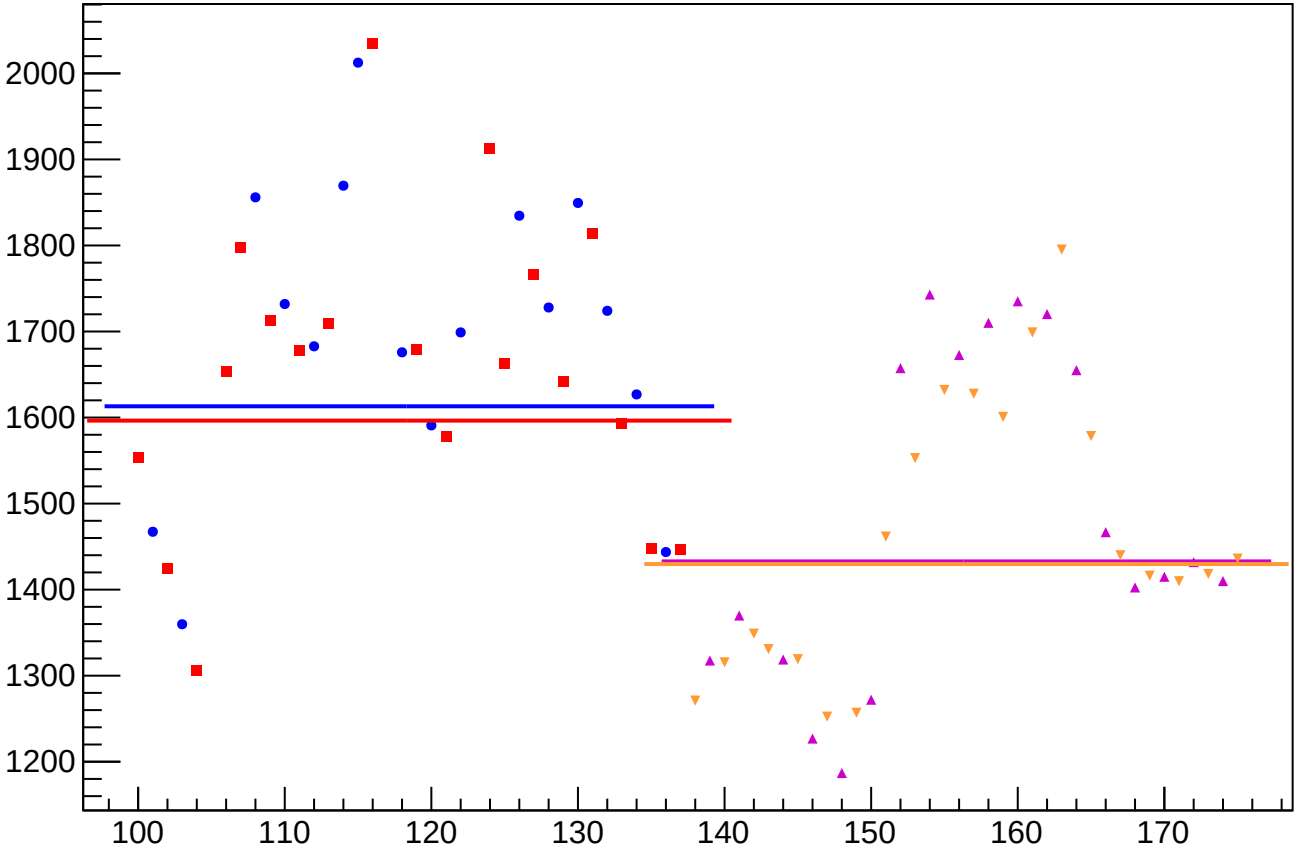
In: 1683.927+/-0.255 χ^2/NDF:453837.3/33

Out: 1680.156+/-0.247 χ^2/NDF:492261.6/38

All: 1681.985+/-0.177 χ^2/NDF: 946211.9/72


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 17.345+/-0.361 χ²/NDF:3029.7/19
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -17.740+/-0.375 χ²/NDF:5289.7/17
Left: 0.453+/-0.260 χ²/NDF: 12860.2/37
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -15.679+/-0.318 χ²/NDF:8405.1/33
Out: 5.223+/-0.308 χ²/NDF:9662.0/38
All: -4.866+/-0.221 χ²/NDF: 20296.2/72

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.723+/-0.255 χ^2/NDF:328392.1/19

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1432.808+/-0.265 χ^2/NDF:467723.7/17

Left: 1431.209+/-0.184 χ^2/NDF: 796186.0/37

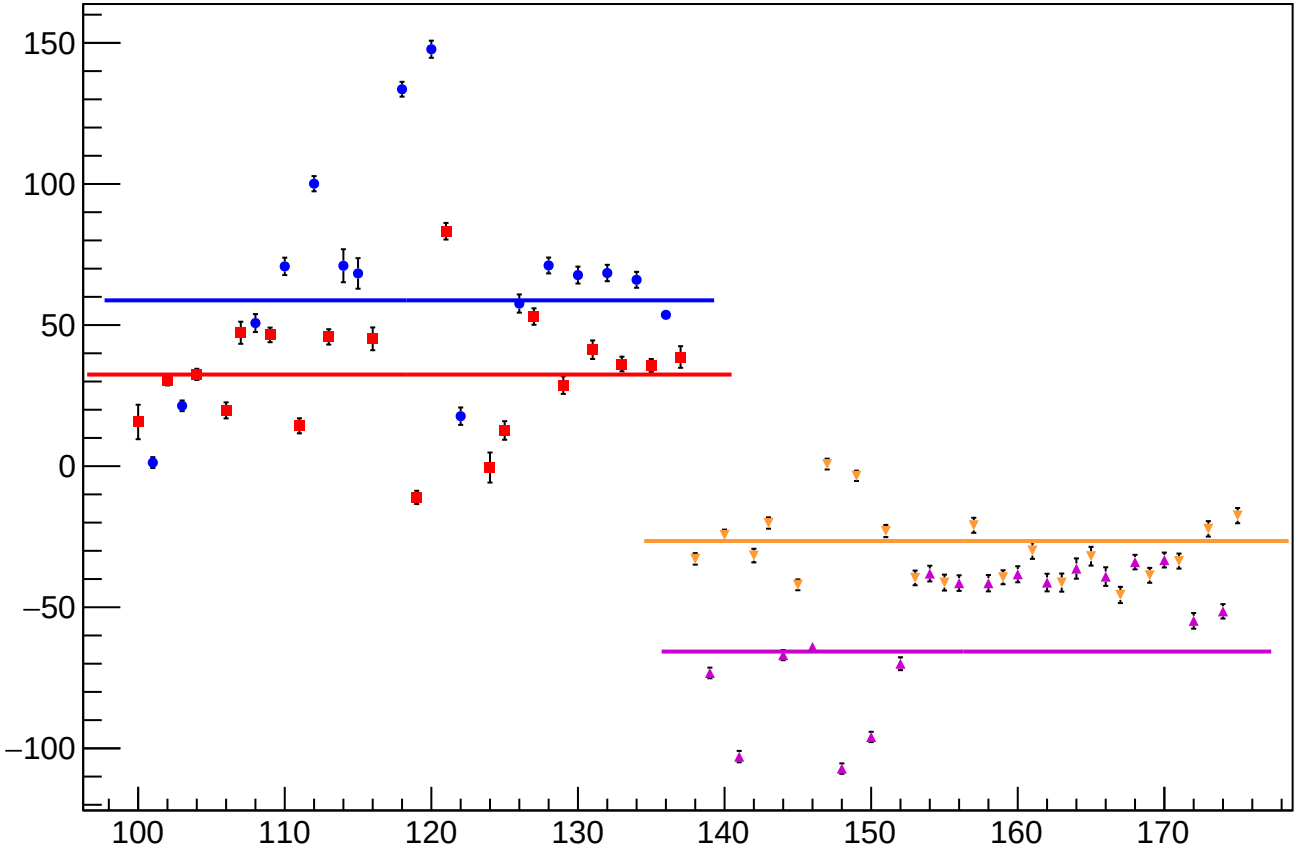
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1483.055+/-0.225 χ^2/NDF:751328.7/33

Out: 1475.598+/-0.217 χ^2/NDF:606303.3/38

All: 1479.198+/-0.156 χ^2/NDF: 1358199.6/72

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.518+/-0.531 χ^2/NDF:650.4/19

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -65.699+/-0.552 χ^2/NDF:2018.6/17

Left: -45.376+/-0.383 χ^2/NDF: 5285.9/37

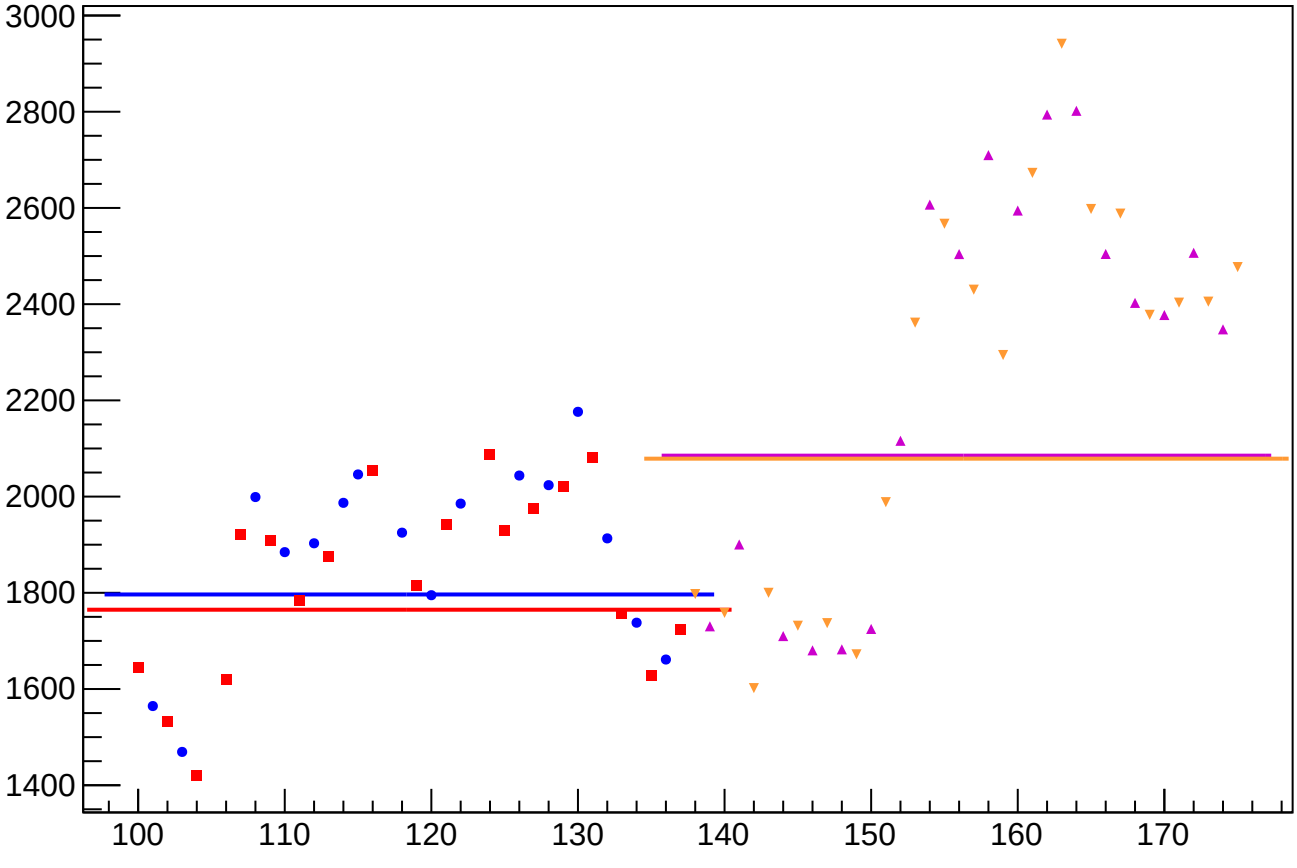
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -15.635+/-0.426 χ^2/NDF:25938.6/33

Out: -2.822+/-0.411 χ^2/NDF:6531.5/38

All: -8.991+/-0.296 χ^2/NDF: 32938.2/72

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2078.824+/-0.376 χ^2/NDF:1039502.9/19

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2085.081+/-0.390 χ^2/NDF:1061934.2/17

Left: 2081.836+/-0.271 χ^2/NDF: 2101570.6/37

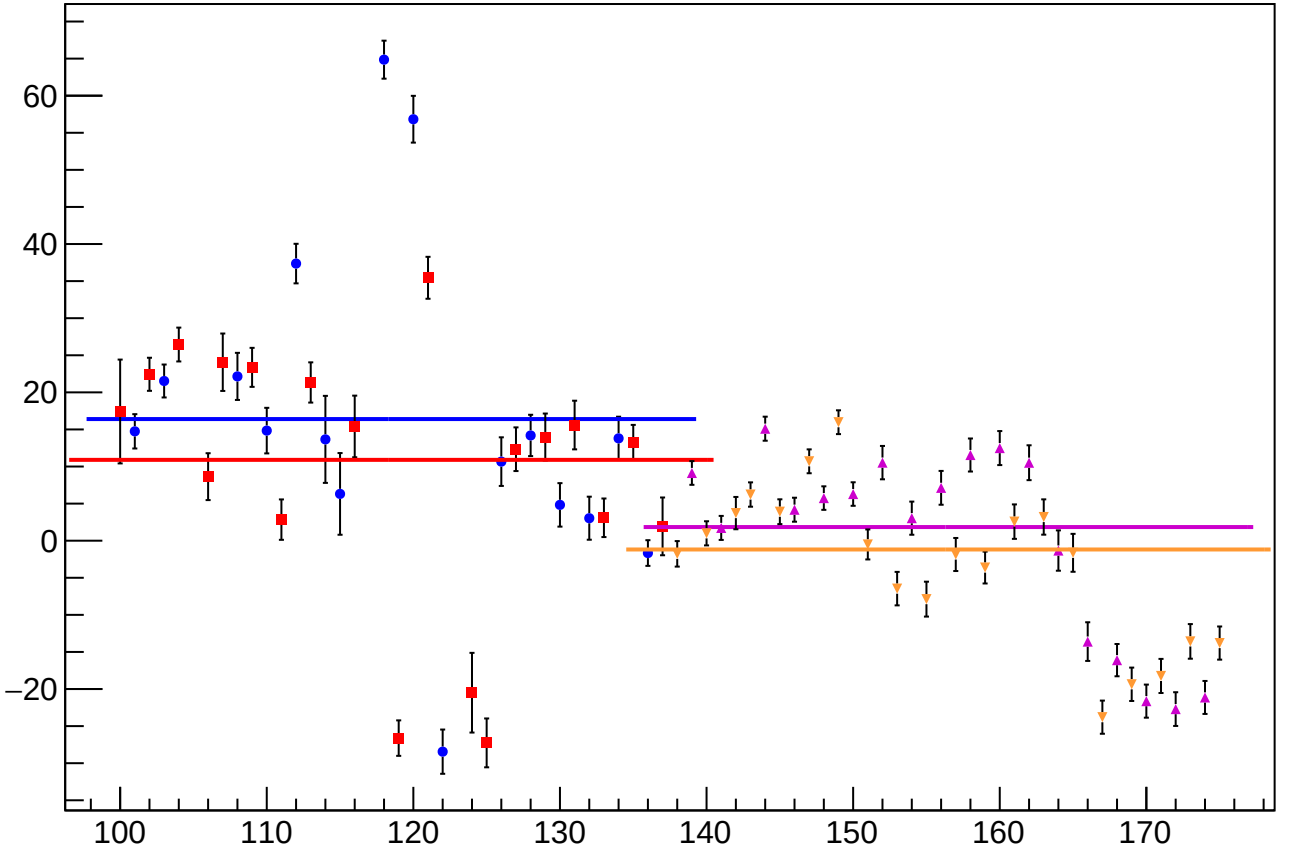
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1969.021+/-0.302 χ^2/NDF:1475194.9/33

Out: 1952.694+/-0.291 χ^2/NDF:1509999.1/38

All: 1960.556+/-0.209 χ^2/NDF: 2986713.7/72

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.185+/-0.449 χ^2/NDF:509.1/19

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 1.840+/-0.467 χ^2/NDF:617.1/17

Left: 0.269+/-0.324 χ^2/NDF: 1148.0/37

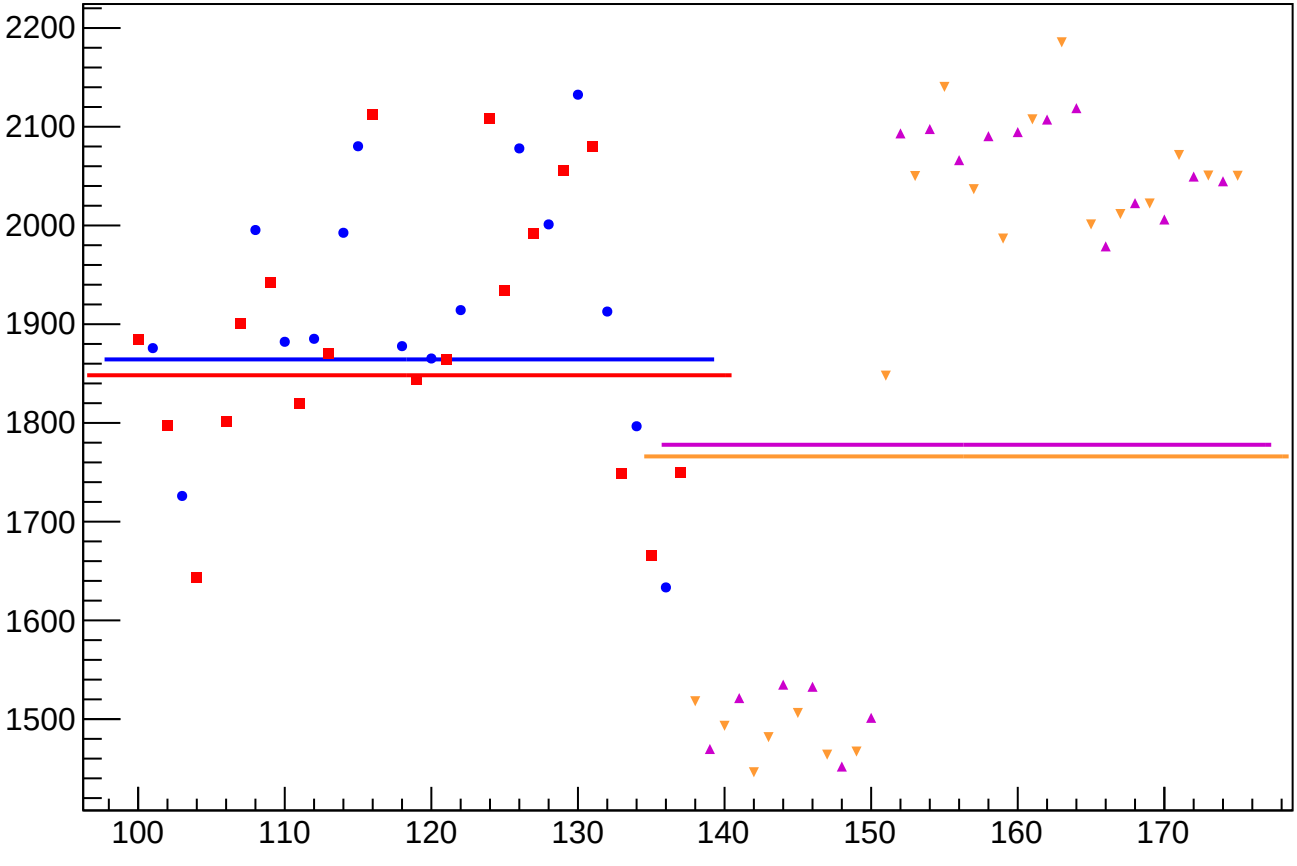
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 6.369+/-0.388 χ^2/NDF:1892.4/33

Out: 2.515+/-0.374 χ^2/NDF:1372.4/38

All: 4.374+/-0.269 χ^2/NDF: 3316.0/72

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1766.080+/-0.318 χ^2/NDF:794818.5/19

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1777.877+/-0.330 χ^2/NDF:736876.2/17

Left: 1771.750+/-0.229 χ^2/NDF: 1532357.5/37

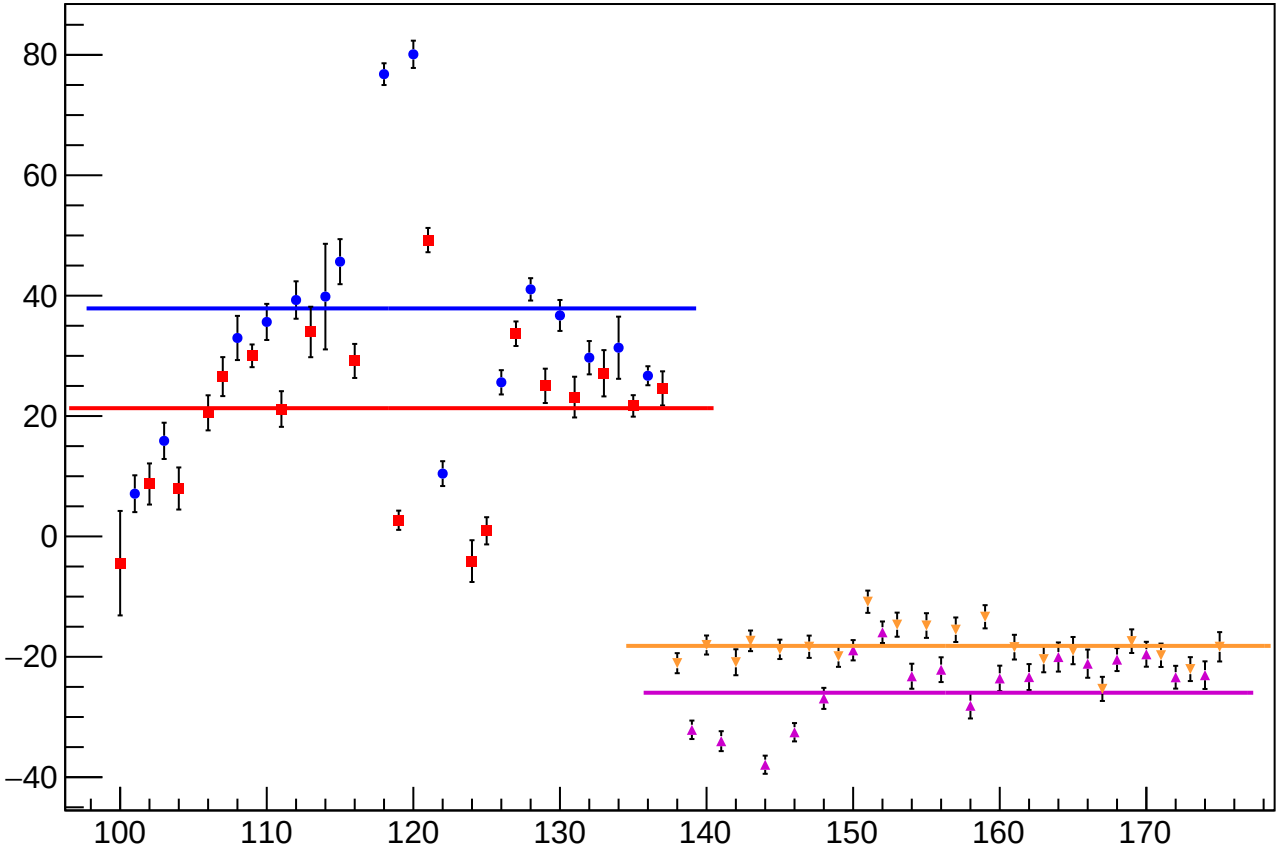
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1804.773+/-0.274 χ^2/NDF:841511.8/33

Out: 1791.252+/-0.265 χ^2/NDF:890278.6/38

All: 1797.774+/-0.190 χ^2/NDF: 1733050.0/72

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.184+/-0.428 χ^2/NDF:54.0/19

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -25.969+/-0.442 χ^2/NDF:211.2/17

Left: -21.953+/-0.308 χ^2/NDF: 425.0/37

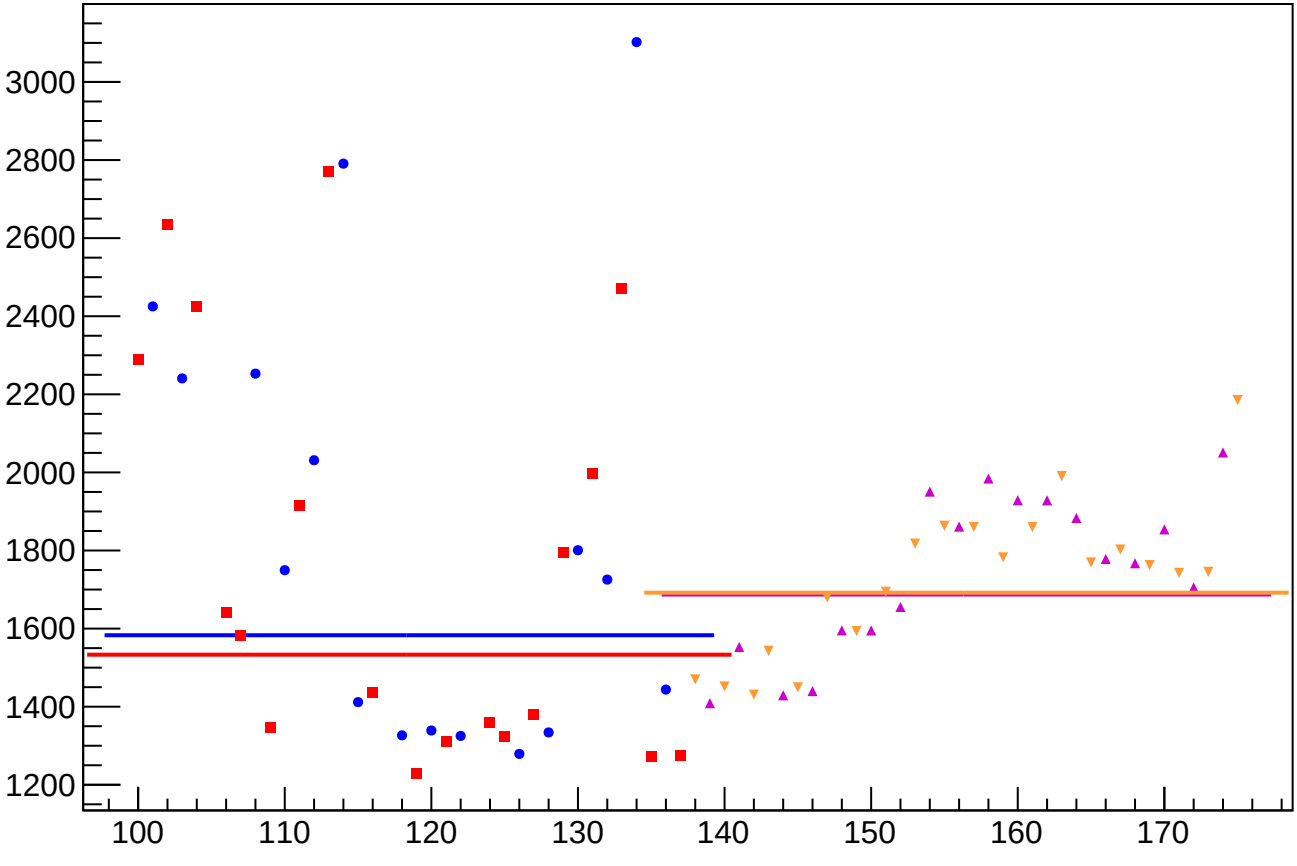
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.548+/-0.360 χ^2/NDF:8455.0/33

Out: -4.640+/-0.347 χ^2/NDF:3551.0/38

All: -4.596+/-0.250 χ^2/NDF: 12006.0/72

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1691.997+/-0.303 χ^2/NDF:364590.6/19

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1687.205+/-0.313 χ^2/NDF:422613.2/17

Left: 1689.677+/-0.218 χ^2/NDF: 787324.9/37

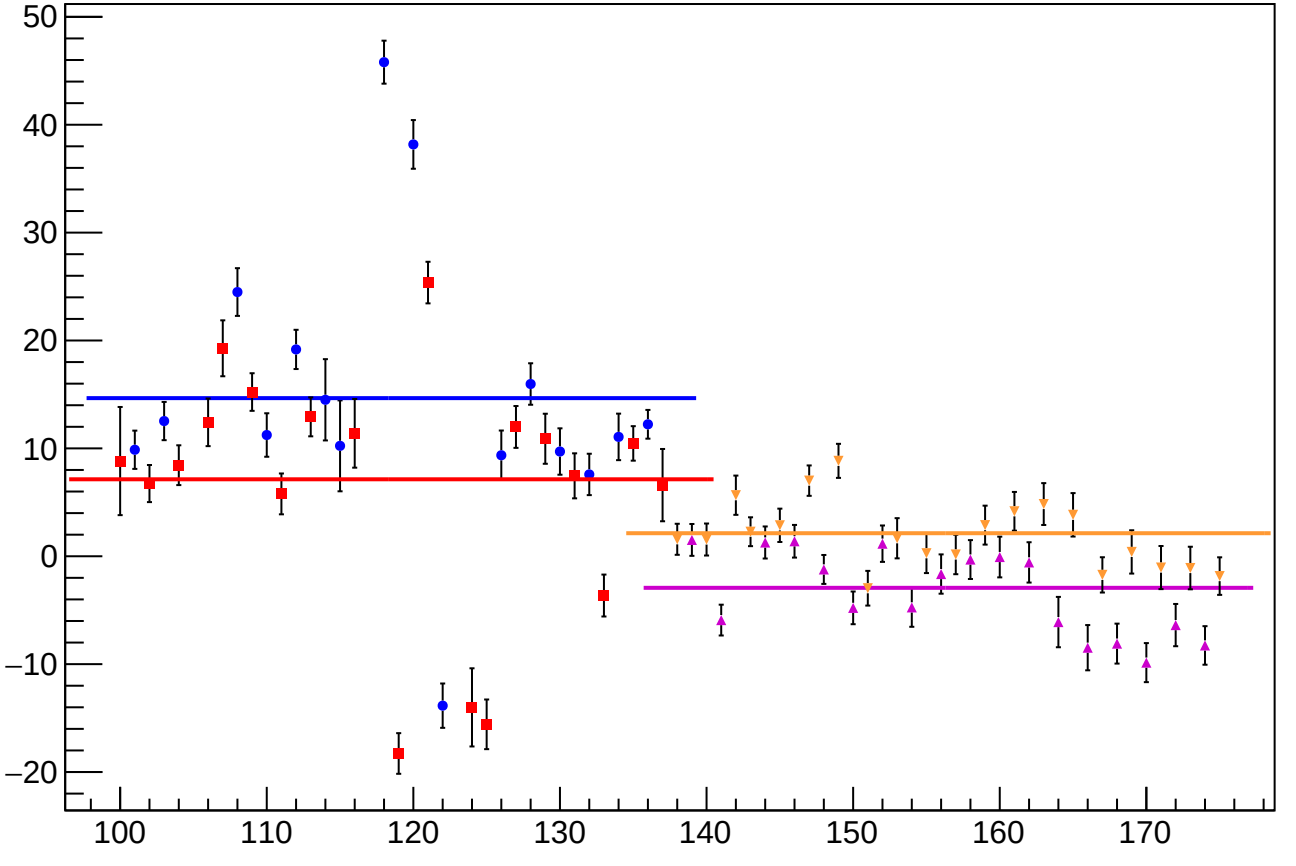
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1652.261+/-0.255 χ^2/NDF:1247507.6/33

Out: 1637.530+/-0.246 χ^2/NDF:1409630.8/38

All: 1644.620+/-0.177 χ^2/NDF: 2658870.7/72

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.136+/-0.378 χ^2/NDF:67.5/19

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -2.926+/-0.400 χ^2/NDF:89.4/17

Left: -0.254+/-0.275 χ^2/NDF: 241.4/37

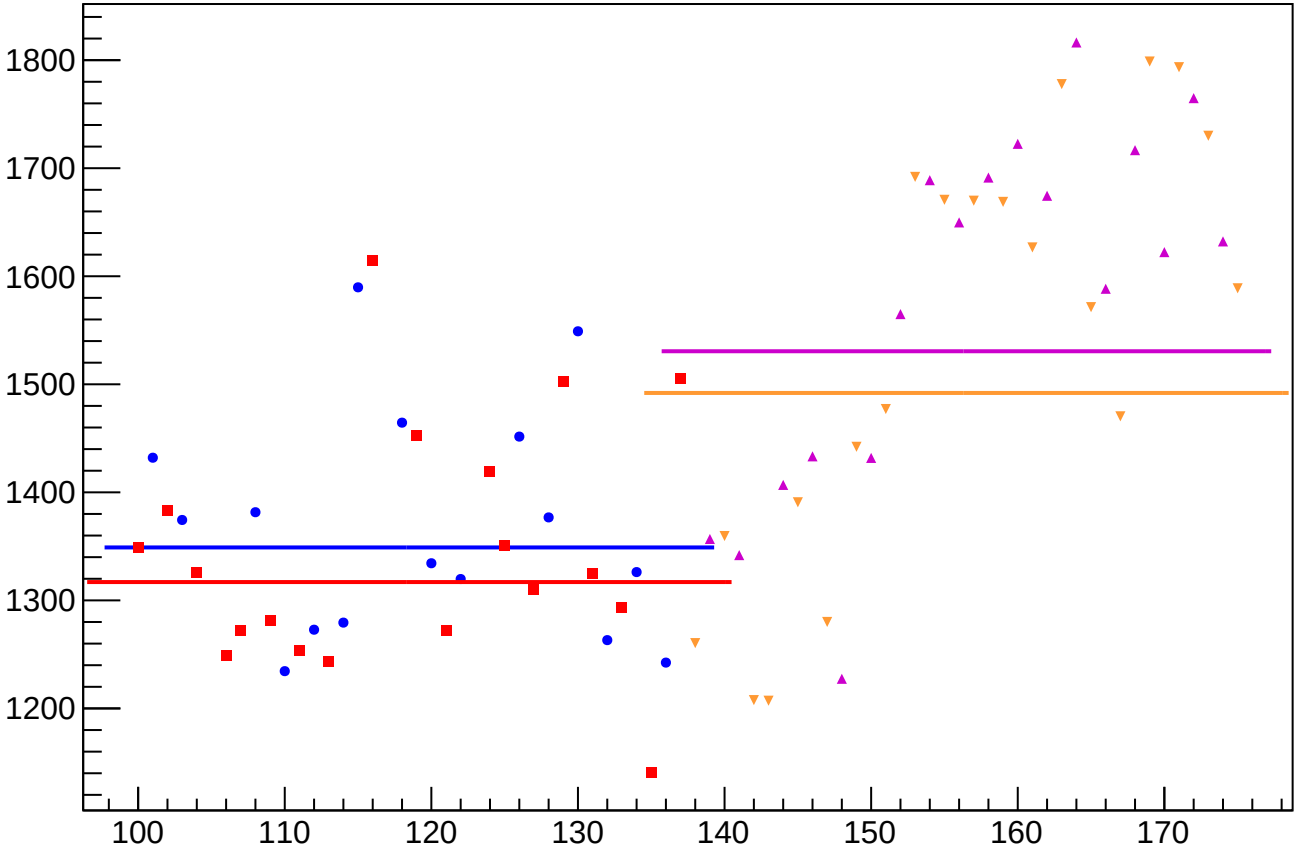
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 3.862+/-0.313 χ^2/NDF:1450.1/33

Out: 4.037+/-0.298 χ^2/NDF:643.2/38

All: 3.954+/-0.216 χ^2/NDF: 2093.5/72

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1491.988+/-0.268 χ^2/NDF:529168.9/19

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1530.580+/-0.283 χ^2/NDF:360805.5/17

Left: 1510.215+/-0.194 χ^2/NDF: 899797.4/37

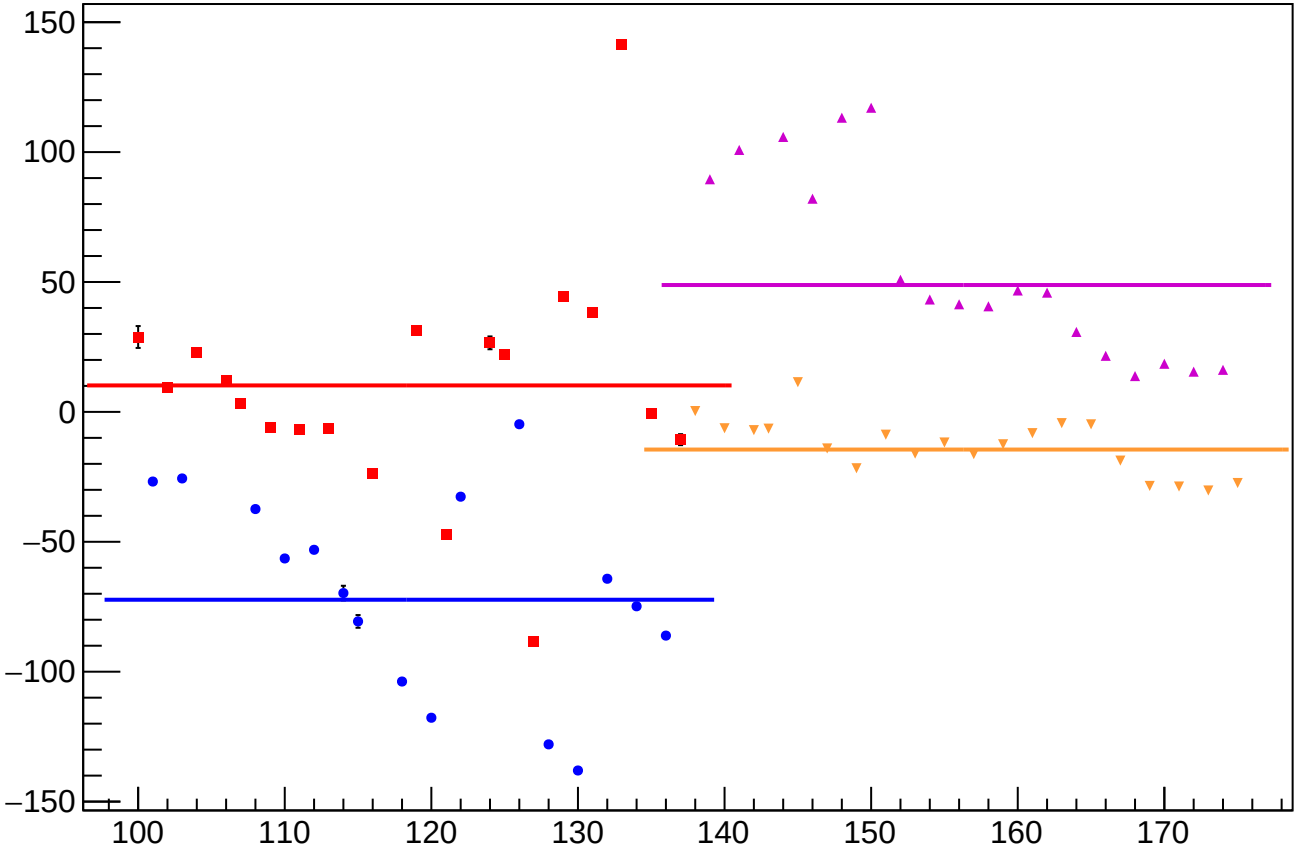
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1460.486+/-0.222 χ^2/NDF:588265.3/33

Out: 1425.443+/-0.211 χ^2/NDF:778701.9/38

All: 1442.076+/-0.153 χ^2/NDF: 1380100.6/72

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.492+/-0.205 χ^2/NDF:2646.8/19

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 48.835+/-0.214 χ^2/NDF:23801.0/17

Left: 15.782+/-0.148 χ^2/NDF: 71978.3/37

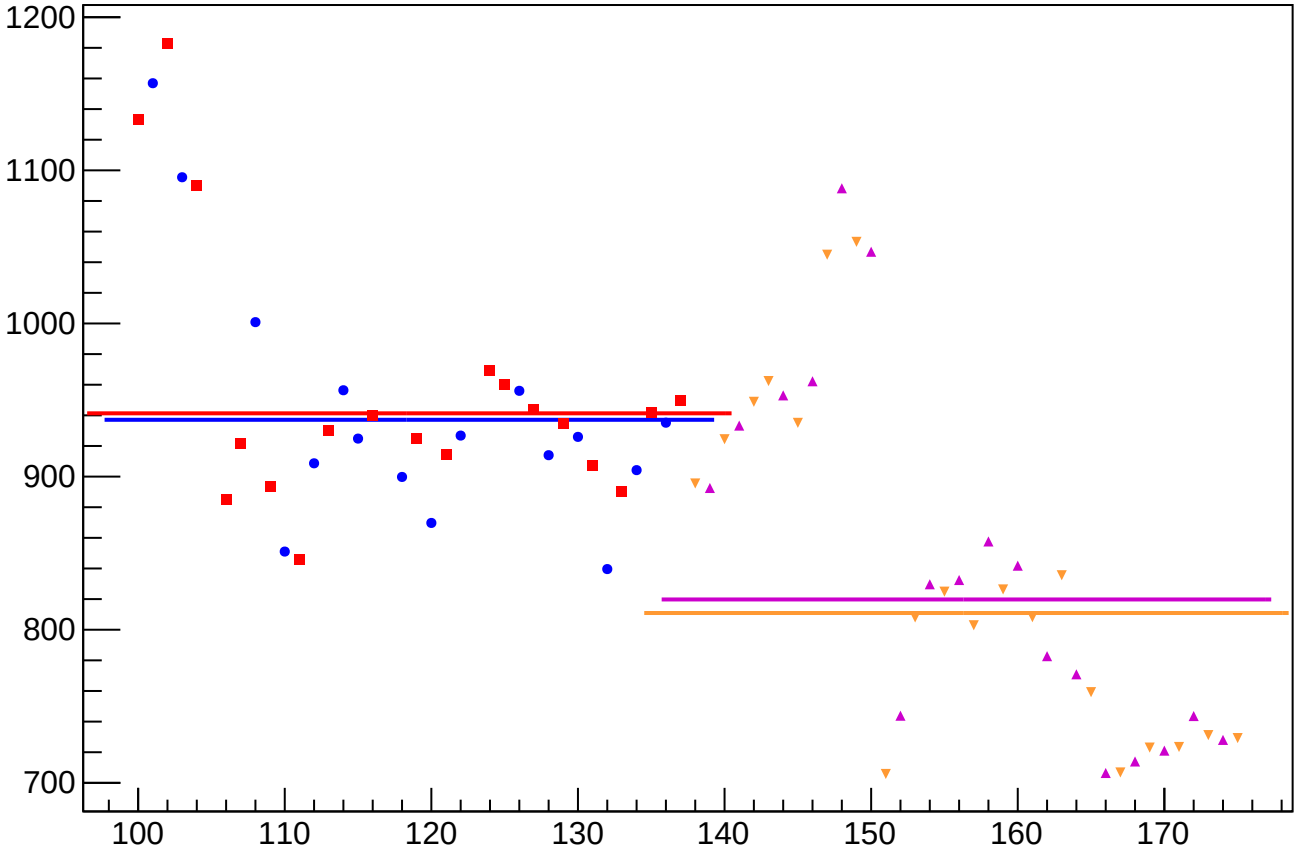
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.703+/-0.183 χ^2/NDF:123256.3/33

Out: -8.030+/-0.176 χ^2/NDF:25480.6/38

All: 3.410+/-0.127 χ^2/NDF: 157472.1/72

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 810.920+/-0.145 χ^2/NDF:466655.6/19

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 819.763+/-0.152 χ^2/NDF:472263.4/17

Left: 815.147+/-0.105 χ^2/NDF: 940694.8/37

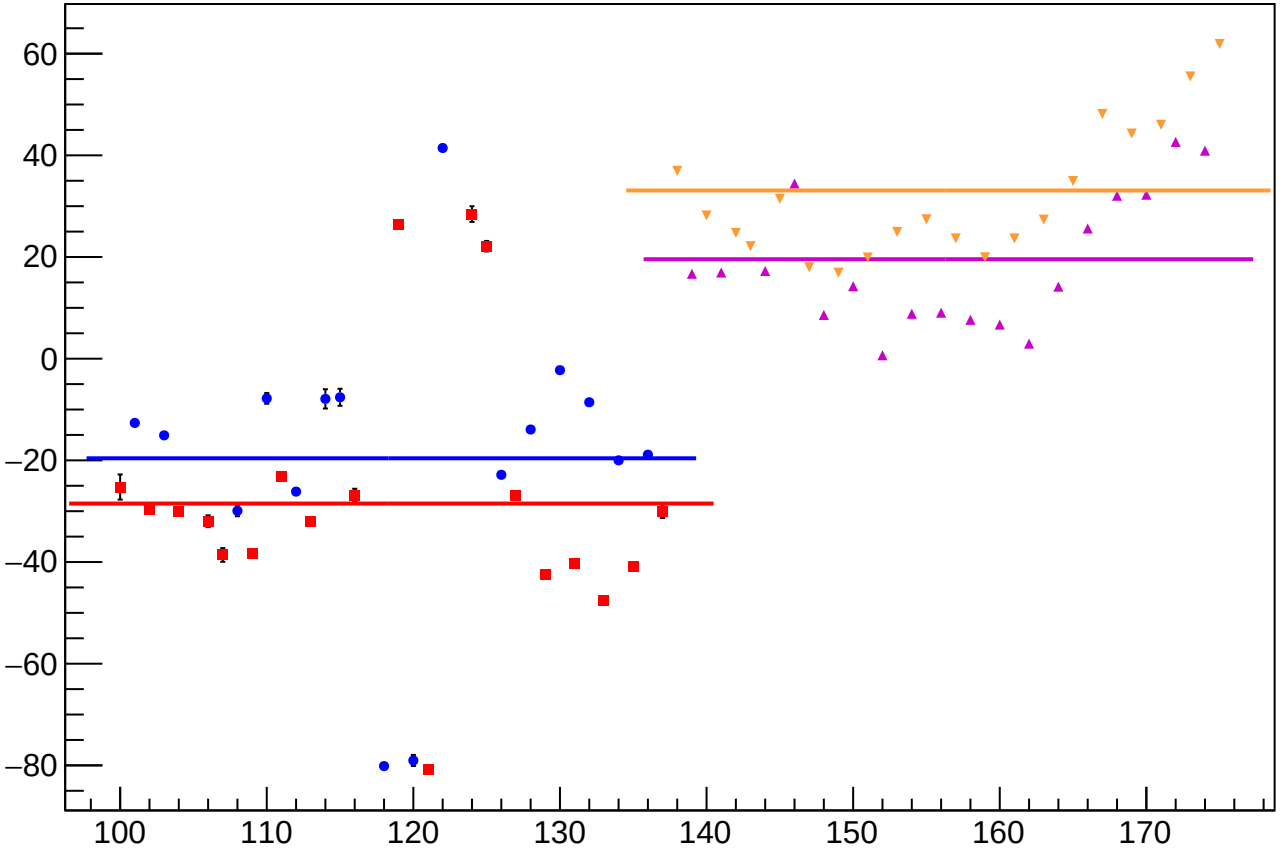
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 851.854+/-0.129 χ^2/NDF:740729.5/33

Out: 845.065+/-0.125 χ^2/NDF:779174.4/38

All: 848.337+/-0.090 χ^2/NDF: 1521333.8/72

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 33.089+/-0.162 χ^2/NDF:6775.8/19

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 19.568+/-0.169 χ^2/NDF:6069.9/17

Left: 26.637+/-0.117 χ^2/NDF: 16176.1/37

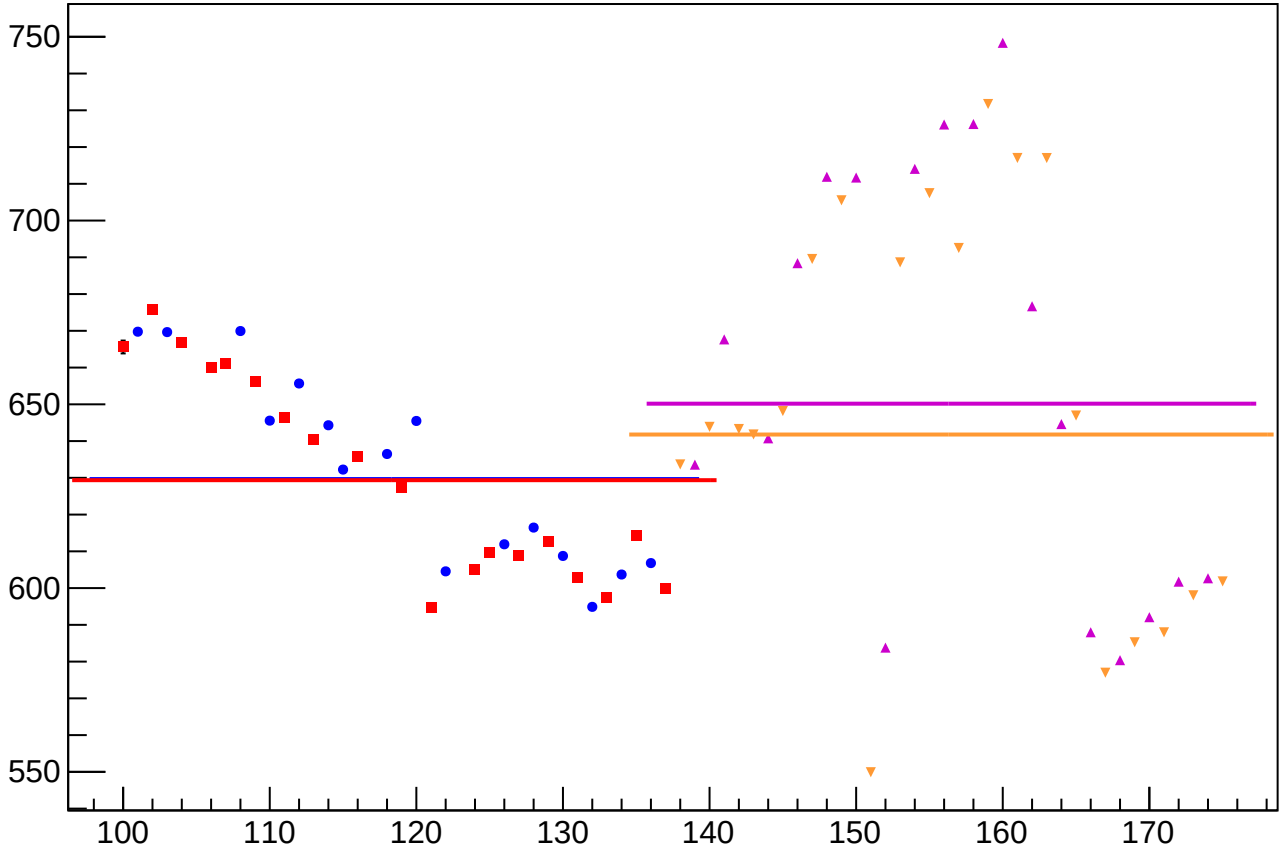
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 6.104+/-0.137 χ^2/NDF:37614.1/33

Out: 12.653+/-0.132 χ^2/NDF:67788.0/38

All: 9.498+/-0.095 χ^2/NDF: 106582.6/72

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 641.783+/-0.114 χ^2/NDF:227054.8/19

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 650.175+/-0.120 χ^2/NDF:213139.6/17

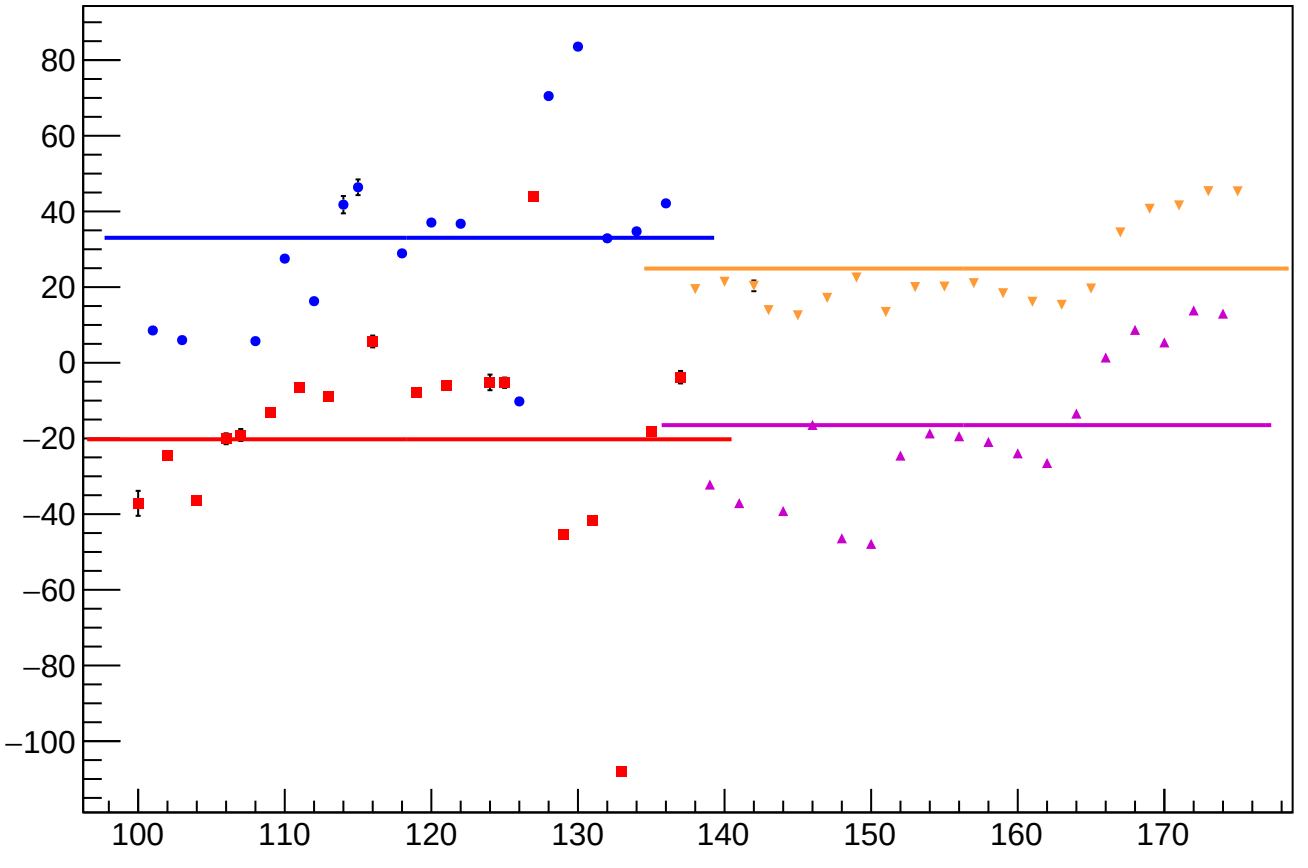
Left: 645.788+/-0.083 χ^2/NDF: 442760.5/37

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 643.122+/-0.097 χ^2/NDF:248538.1/33

Out: 637.661+/-0.094 χ^2/NDF:257754.9/38

All: 640.292+/-0.067 χ^2/NDF: 507934.8/72



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 24.906+/-0.230 χ^2/NDF:2385.5/19

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -16.478+/-0.240 χ^2/NDF:6425.7/17

Left: 5.015+/-0.166 χ^2/NDF: 24313.7/37

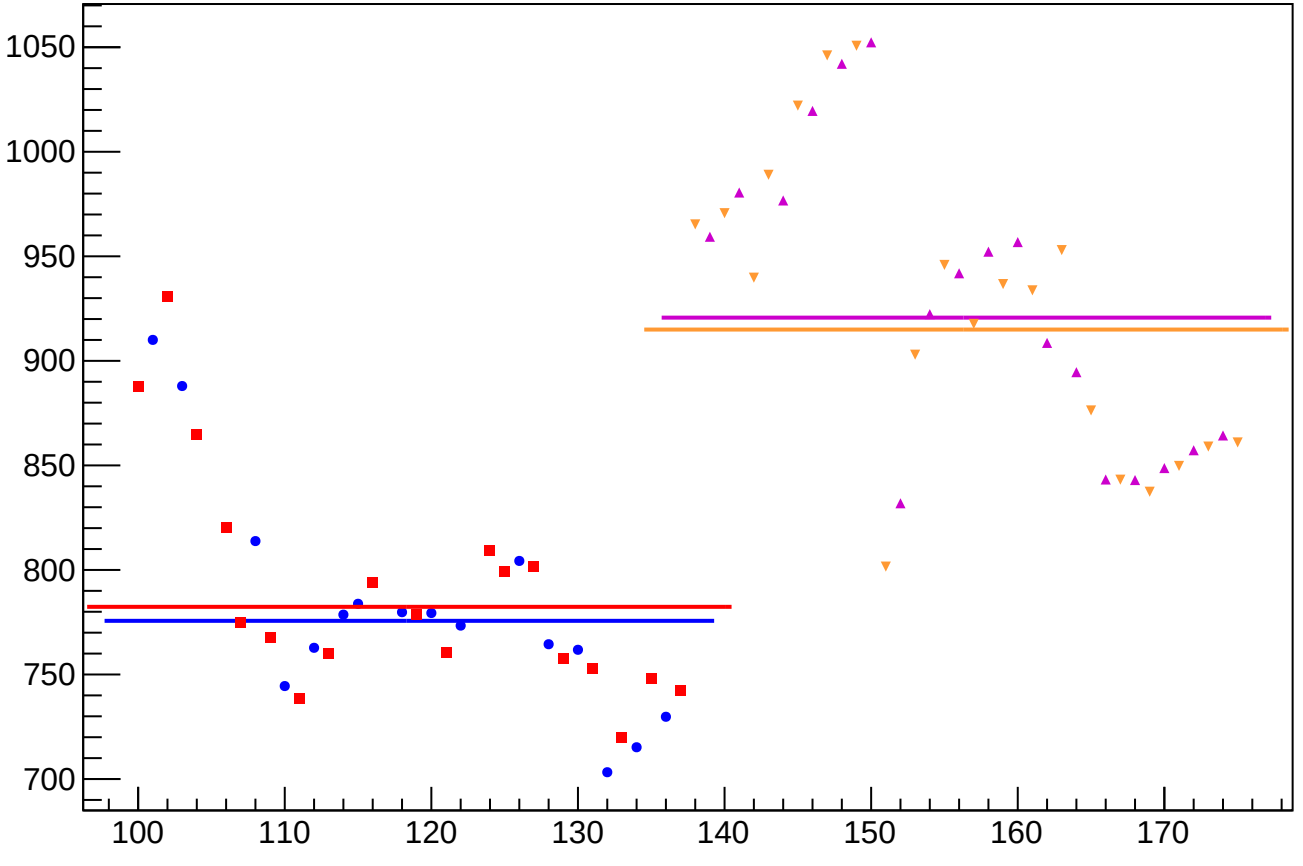
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 3.691+/-0.184 χ^2/NDF:30530.8/33

Out: 7.141+/-0.179 χ^2/NDF:29350.5/38

All: 5.463+/-0.129 χ^2/NDF: 60061.1/72

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 914.972+/-0.163 χ^2/NDF:182072.8/19

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 920.674+/-0.169 χ^2/NDF:161180.1/17

Left: 917.713+/-0.117 χ^2/NDF: 343841.4/37

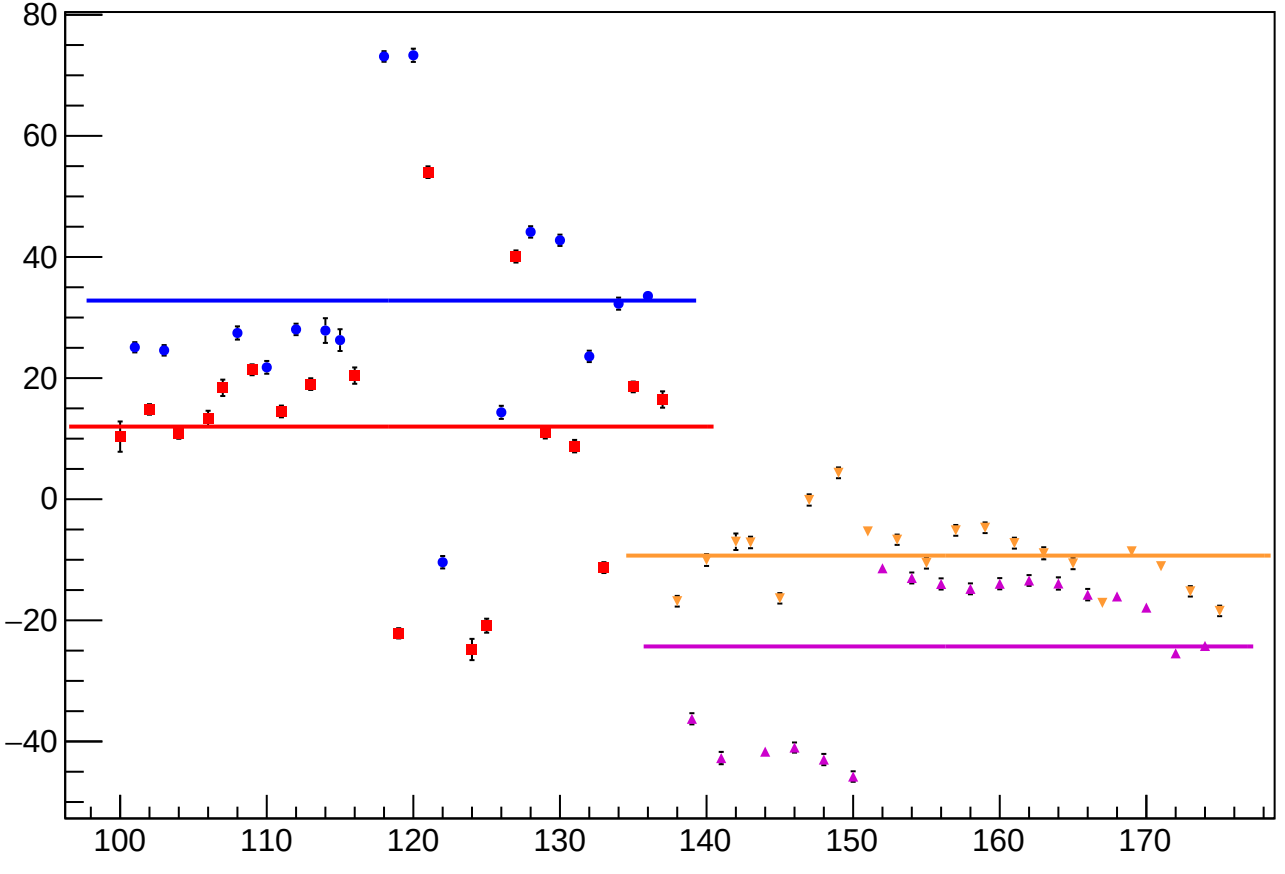
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.602+/-0.130 χ^2/NDF:534443.0/33

Out: 862.761+/-0.127 χ^2/NDF:507428.4/38

All: 862.197+/-0.091 χ^2/NDF: 1041912.1/72

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.309+/-0.197 χ^2/NDF:843.5/19

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.312+/-0.204 χ^2/NDF:3741.5/17

Left: -16.538+/-0.142 χ^2/NDF: 7388.7/37

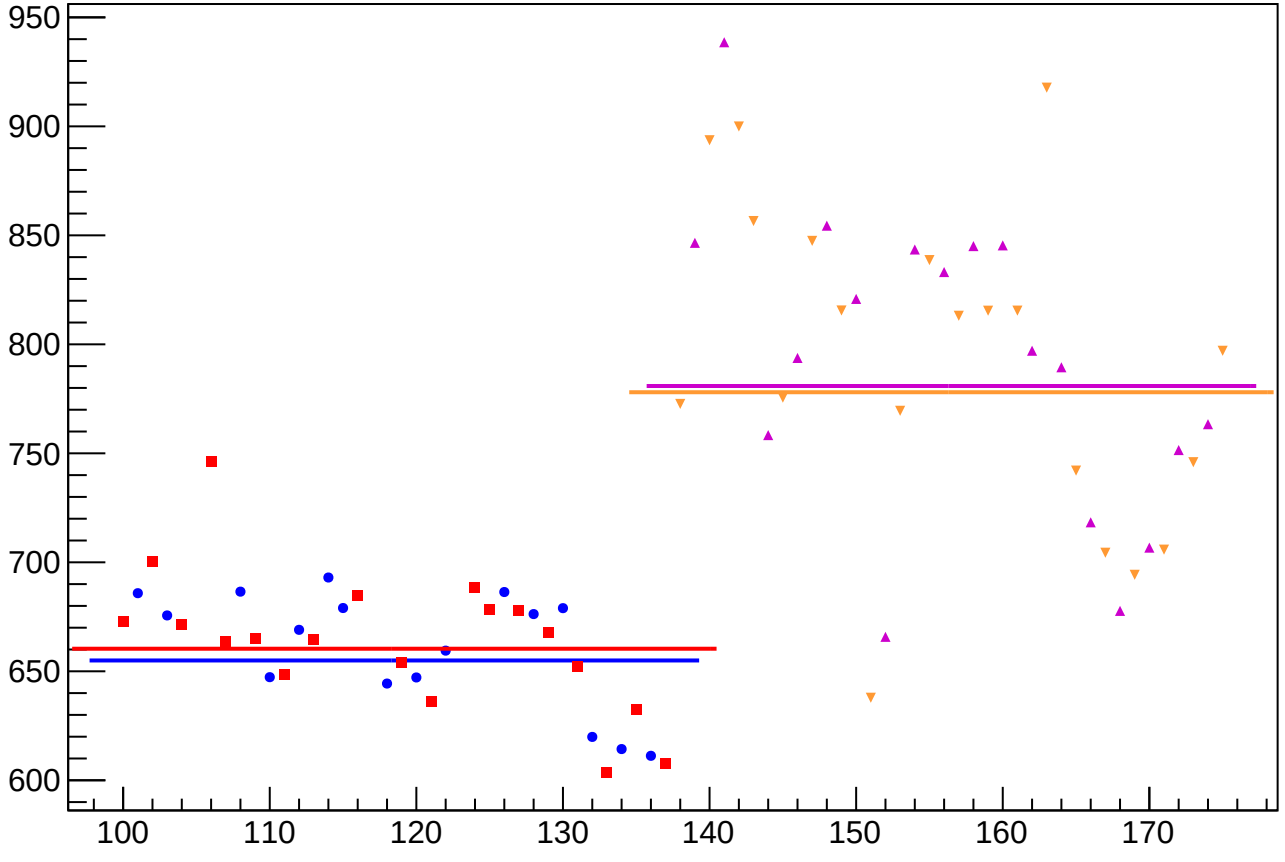
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -0.763+/-0.156 χ^2/NDF:42330.4/33

Out: -0.798+/-0.152 χ^2/NDF:12089.8/38

All: -0.781+/-0.109 χ^2/NDF: 54420.2/72

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.024+/-0.139 χ^2/NDF:276681.9/19

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 780.885+/-0.144 χ^2/NDF:234258.4/17

Left: 779.402+/-0.100 χ^2/NDF: 511144.2/37

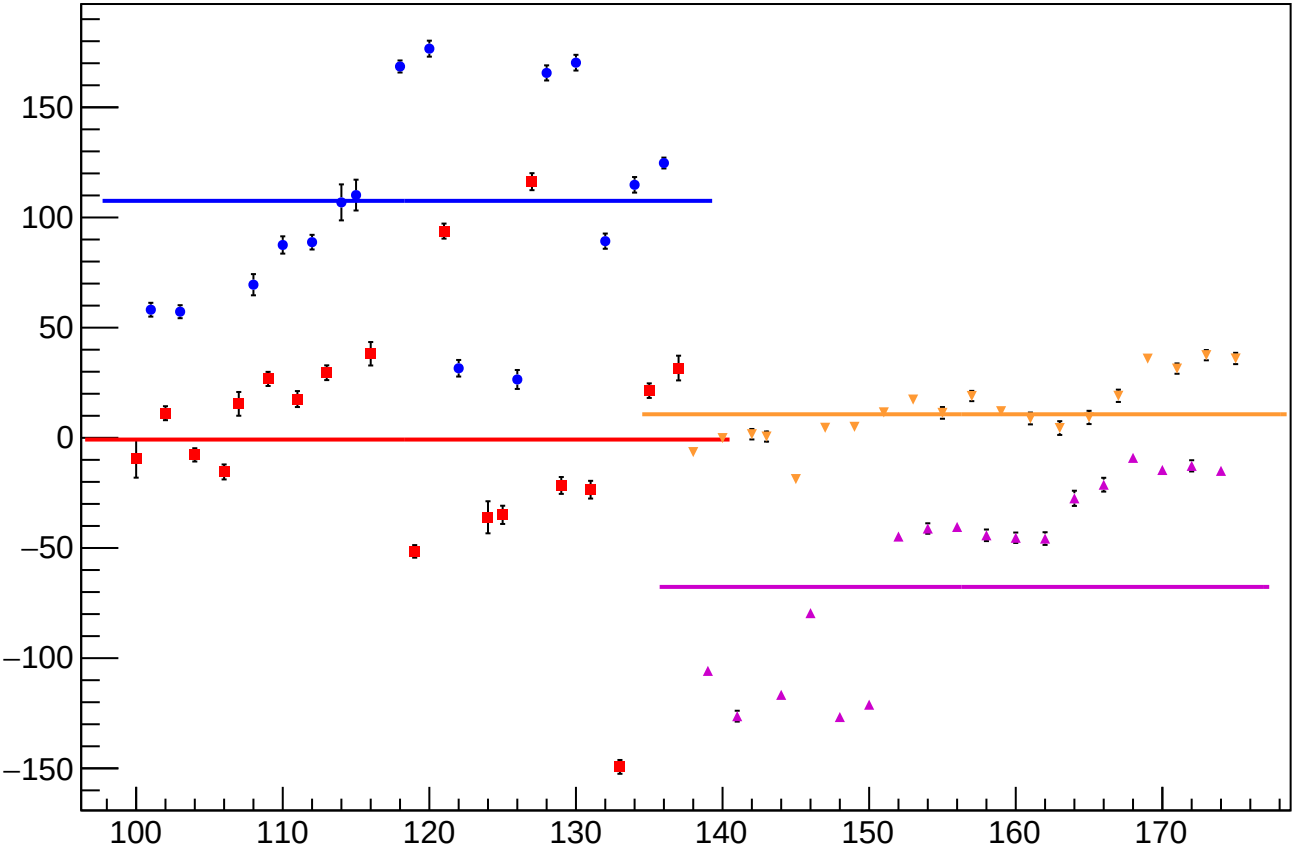
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 728.969+/-0.111 χ^2/NDF:575250.7/33

Out: 731.011+/-0.108 χ^2/NDF:593093.1/38

All: 730.016+/-0.077 χ^2/NDF: 1168518.7/72

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 10.689+/-0.504 χ^2/NDF:830.5/19

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -67.663+/-0.516 χ^2/NDF:7071.7/17

Left: -27.595+/-0.361 χ^2/NDF: 19698.4/37

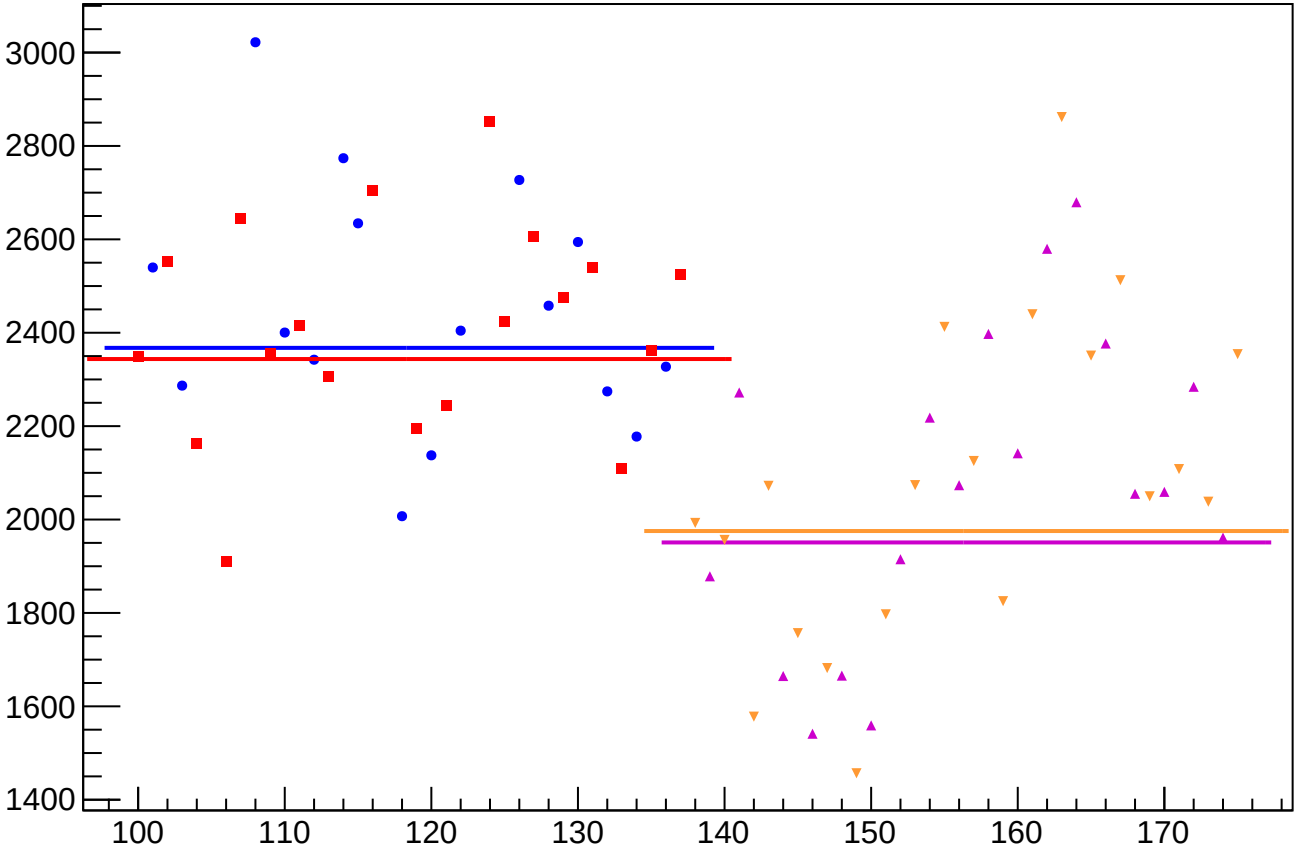
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.252+/-0.446 χ^2/NDF:39265.7/33

Out: 7.757+/-0.435 χ^2/NDF:5726.8/38

All: -7.374+/-0.311 χ^2/NDF: 47470.7/72

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1975.391+/-0.357 χ^2/NDF:817740.6/19

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1950.942+/-0.365 χ^2/NDF:742909.6/17

Left: 1963.445+/-0.255 χ^2/NDF: 1562947.4/37

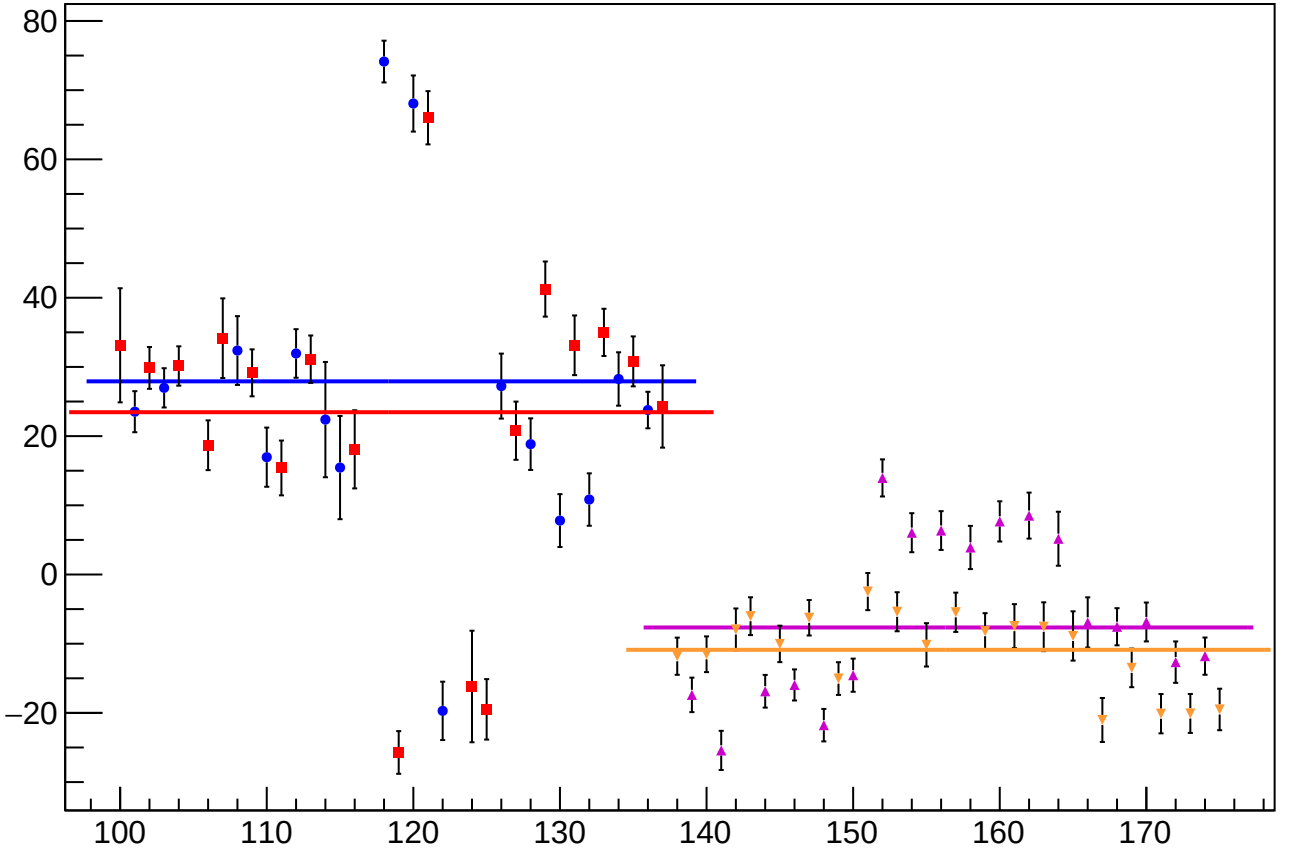
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2056.560+/-0.315 χ^2/NDF:1200414.8/33

Out: 2069.490+/-0.308 χ^2/NDF:1202605.5/38

All: 2063.181+/-0.220 χ^2/NDF: 2403882.0/72

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.883+/-0.633 χ^2/NDF:72.1/19

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.653+/-0.648 χ^2/NDF:322.9/17

Left: -9.306+/-0.453 χ^2/NDF: 407.7/37

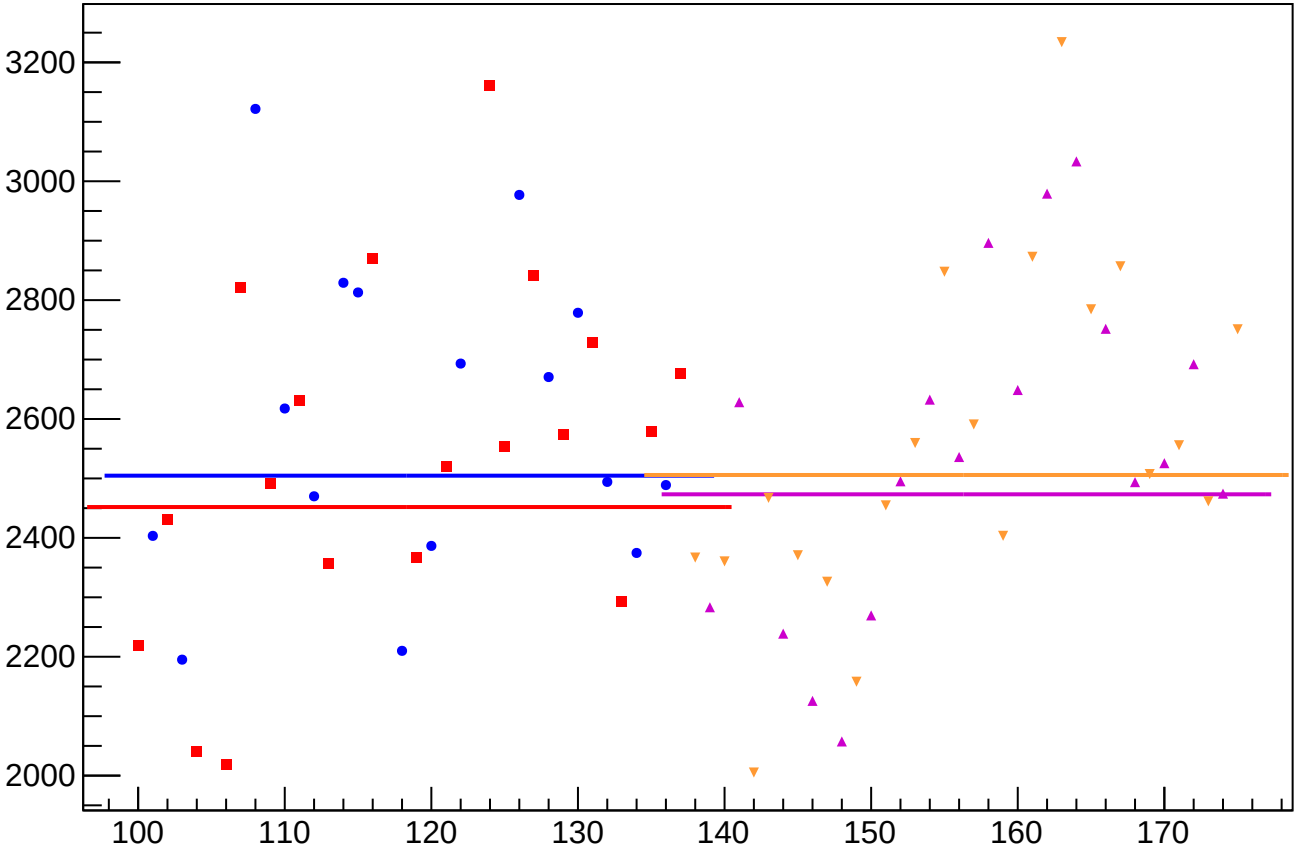
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.866+/-0.533 χ^2/NDF:1828.4/33

Out: 0.446+/-0.518 χ^2/NDF:1609.9/38

All: 2.108+/-0.372 χ^2/NDF: 3459.5/72

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2505.801+/-0.448 χ^2/NDF:318439.0/19

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2473.289+/-0.458 χ^2/NDF:324765.3/17

Left: 2489.925+/-0.320 χ^2/NDF: 645778.1/37

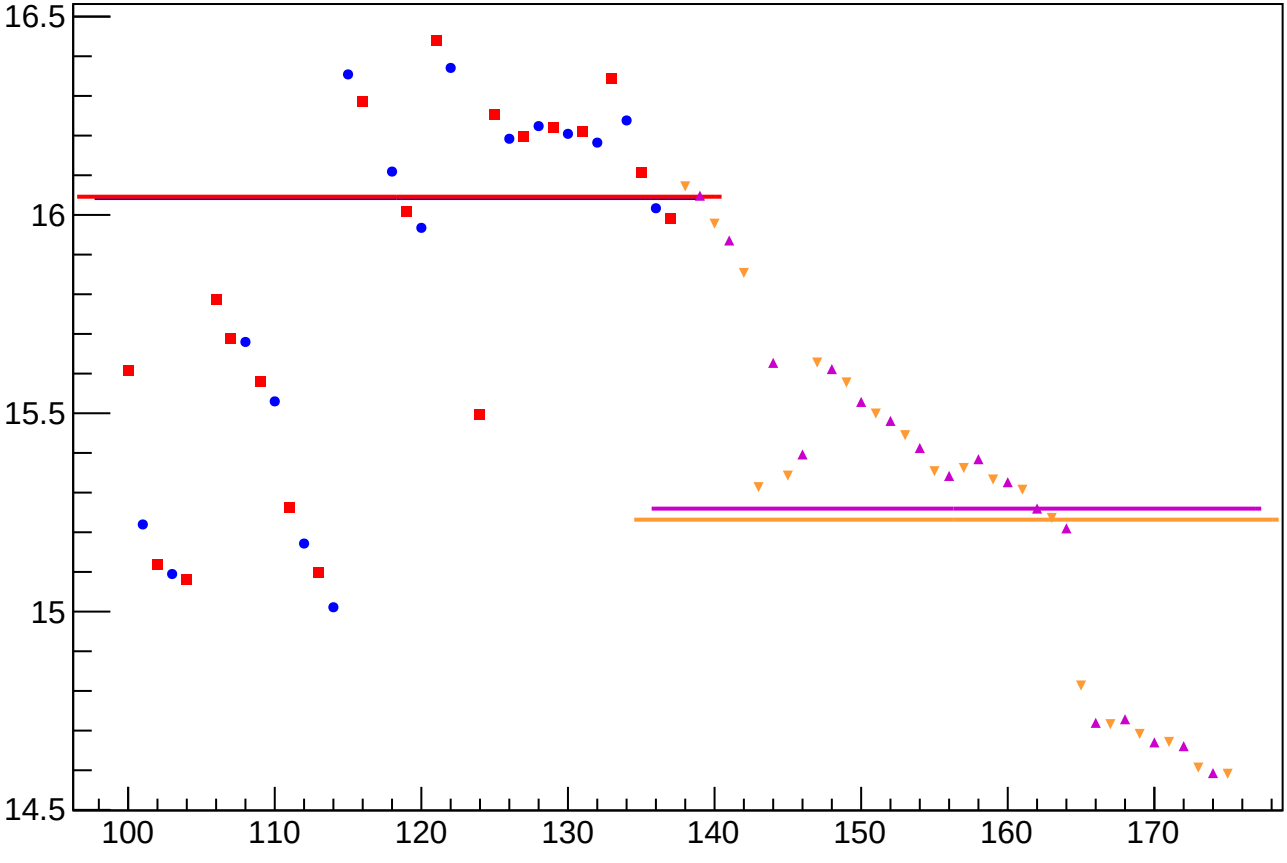
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2483.446+/-0.377 χ^2/NDF:452880.4/33

Out: 2488.012+/-0.367 χ^2/NDF:476458.9/38

All: 2485.793+/-0.263 χ^2/NDF: 929414.7/72

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.232+/-0.000 χ^2/NDF:27933345458.9/19

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.260+/-0.000 χ^2/NDF:24109881575.8/17

Left: 15.245+/-0.000 χ^2/NDF: 52092477005.6/37

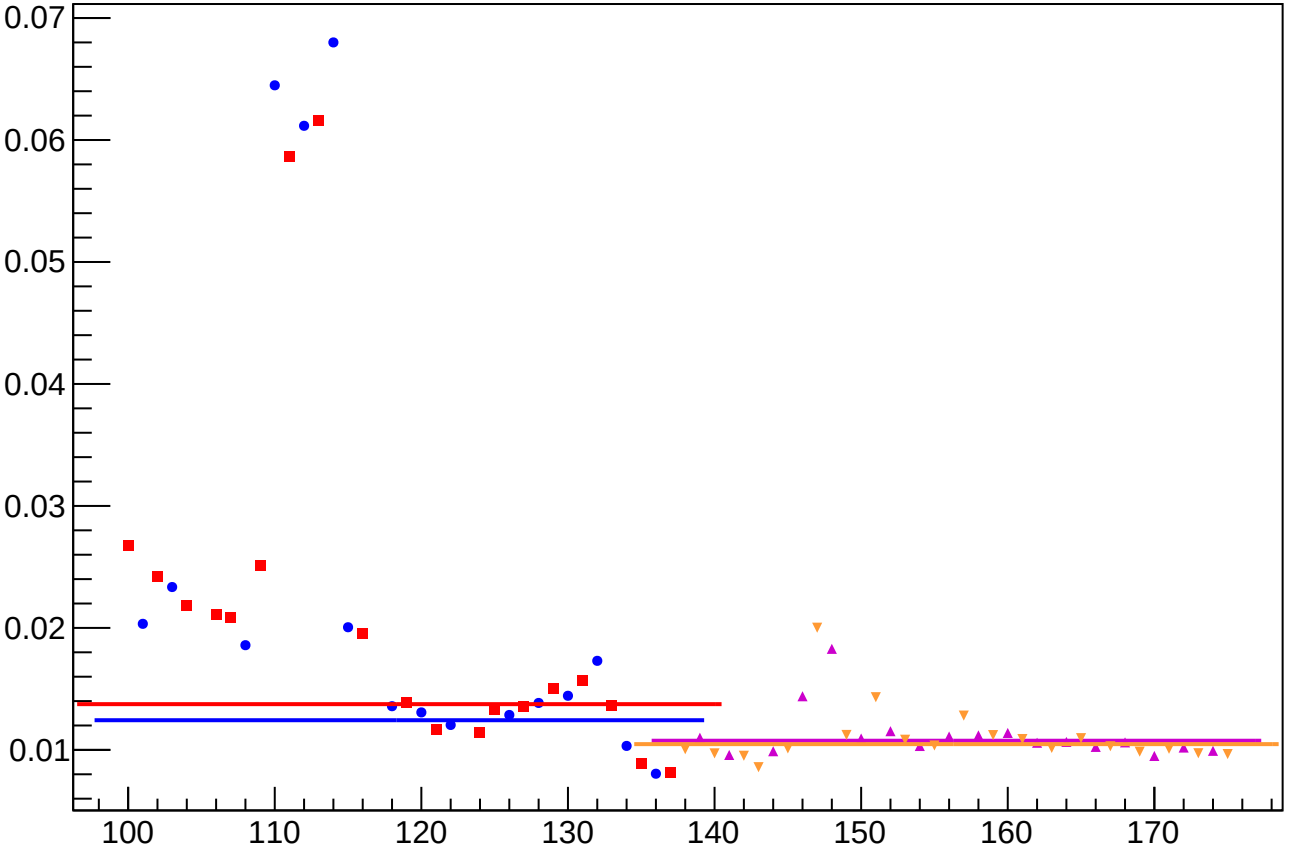
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.438+/-0.000 χ^2/NDF:43803778359.9/33

Out: 15.380+/-0.000 χ^2/NDF:47796208198.5/38

All: 15.408+/-0.000 χ^2/NDF: 91870861712.2

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:675418.9/19

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:477049.0/17

Left: 0.011+/-0.000 χ^2/NDF: 1162349.0/37

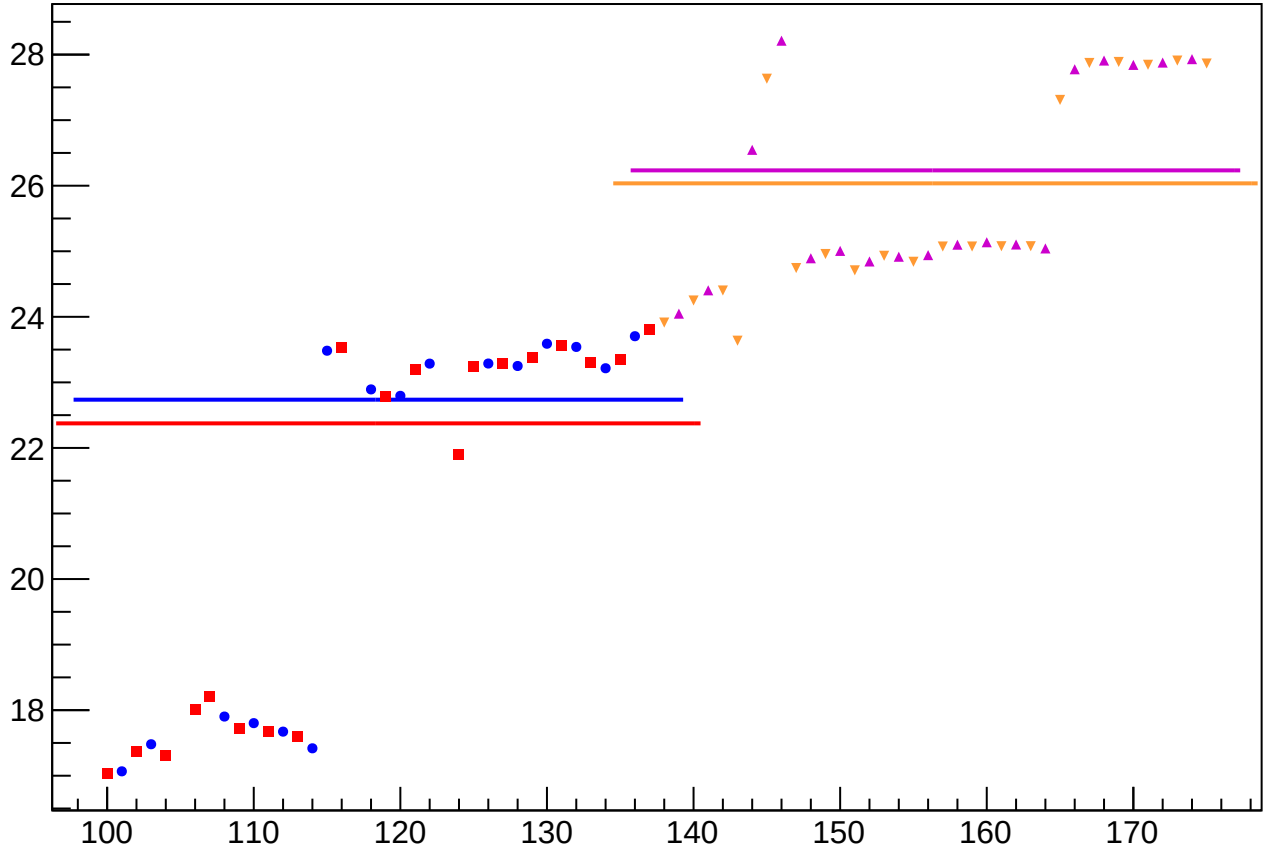
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2949381.9/33

Out: 0.011+/-0.000 χ^2/NDF:3434834.3/38

All: 0.011+/-0.000 χ^2/NDF: 6384892.6/72

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.036+/-0.000 χ^2/NDF:2900345011.0/19

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.234+/-0.000 χ^2/NDF:2160101374.2/17

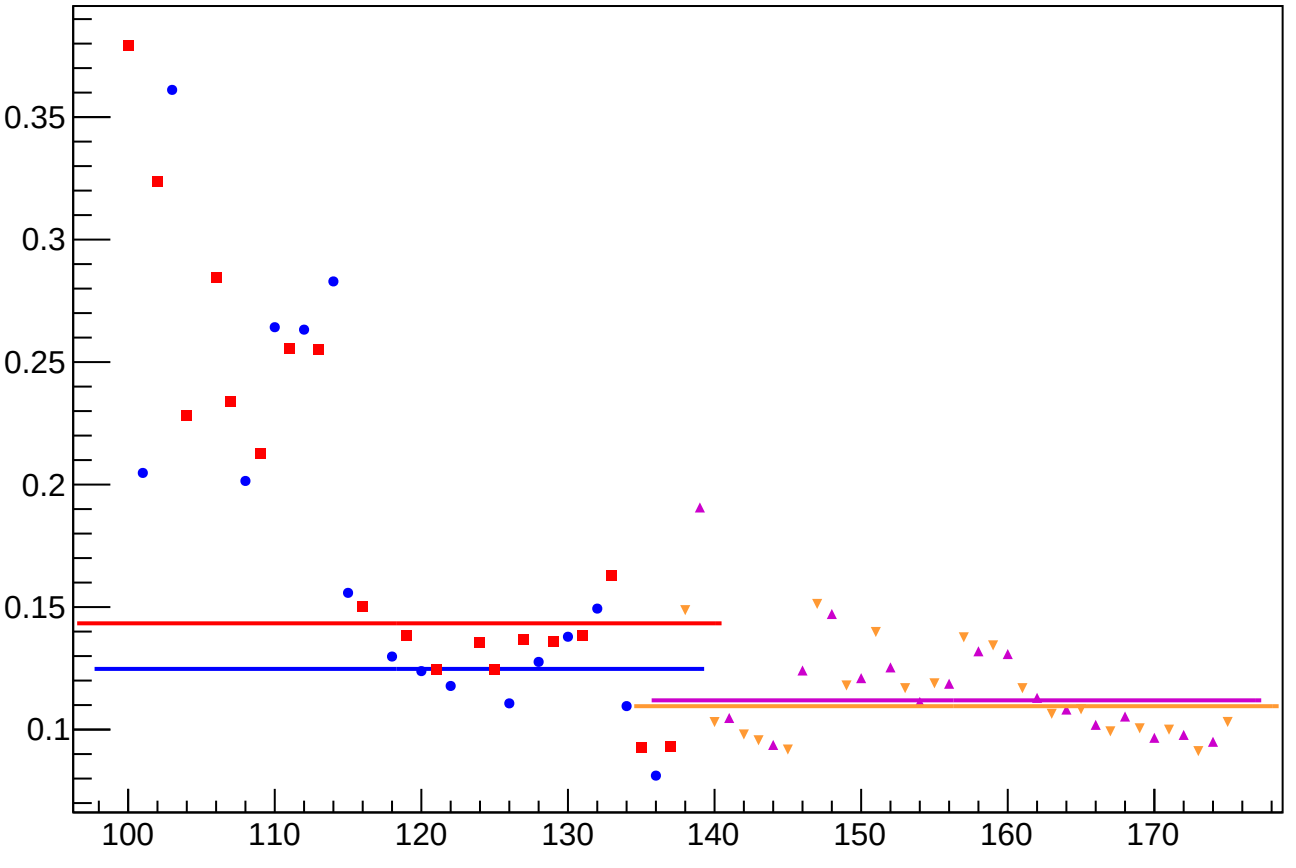
Left: 26.130+/-0.000 χ^2/NDF: 5081394665.7/37

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.349+/-0.000 χ^2/NDF:6521226334.7/33

Out: 25.308+/-0.000 χ^2/NDF:7118234063.4/38

All: 25.329+/-0.000 χ^2/NDF: 13640622188.3



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.110+/-0.000 χ^2/NDF:616082.4/19

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.112+/-0.000 χ^2/NDF:678029.6/17

Left: 0.111+/-0.000 χ^2/NDF: 1300207.8/37

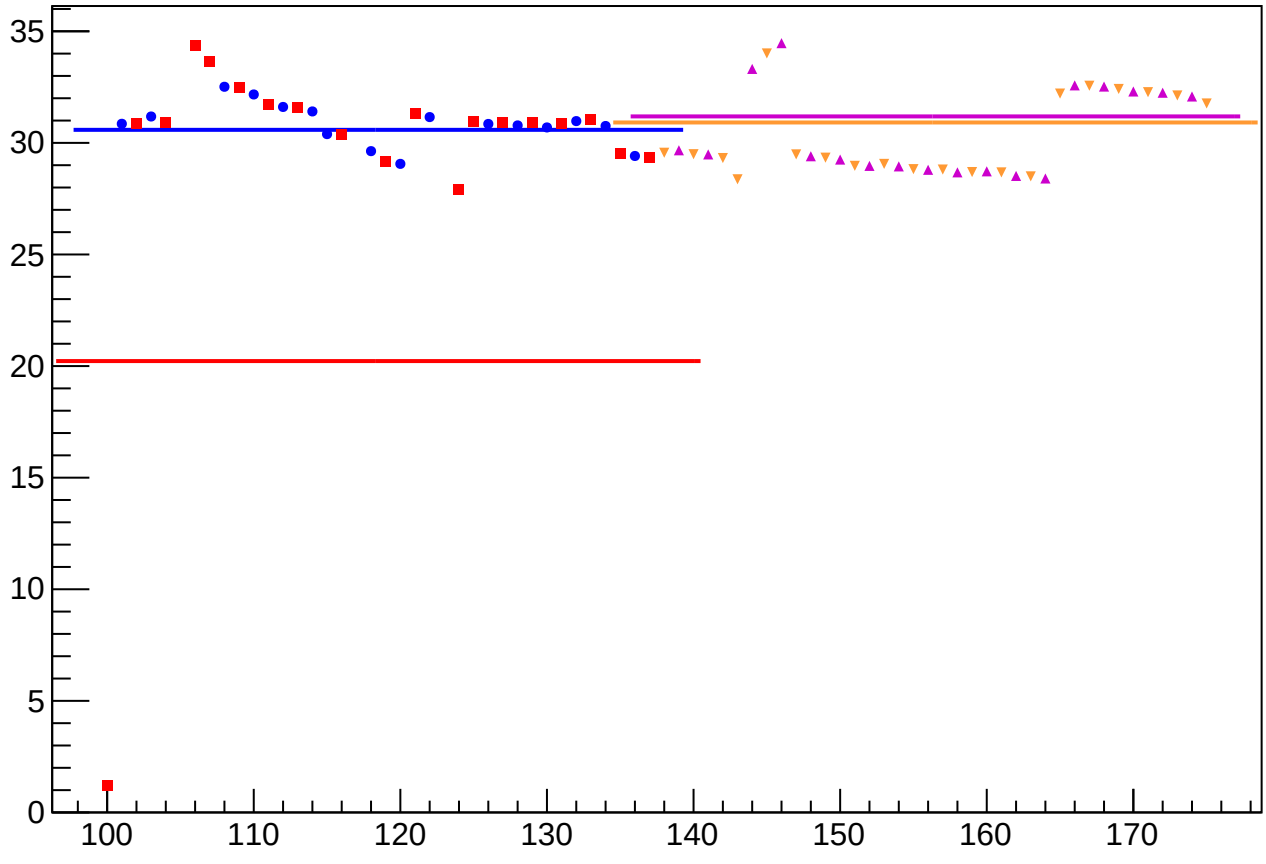
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.115+/-0.000 χ^2/NDF:2512327.0/33

Out: 0.116+/-0.000 χ^2/NDF:2698648.7/38

All: 0.116+/-0.000 χ^2/NDF: 5212611.0/72

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.914+/-0.000 χ^2/NDF:11608178751.1/19

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.186+/-0.000 χ^2/NDF:12479802938.7/17

Left: 31.048+/-0.000 χ^2/NDF: 24209800877.7/37

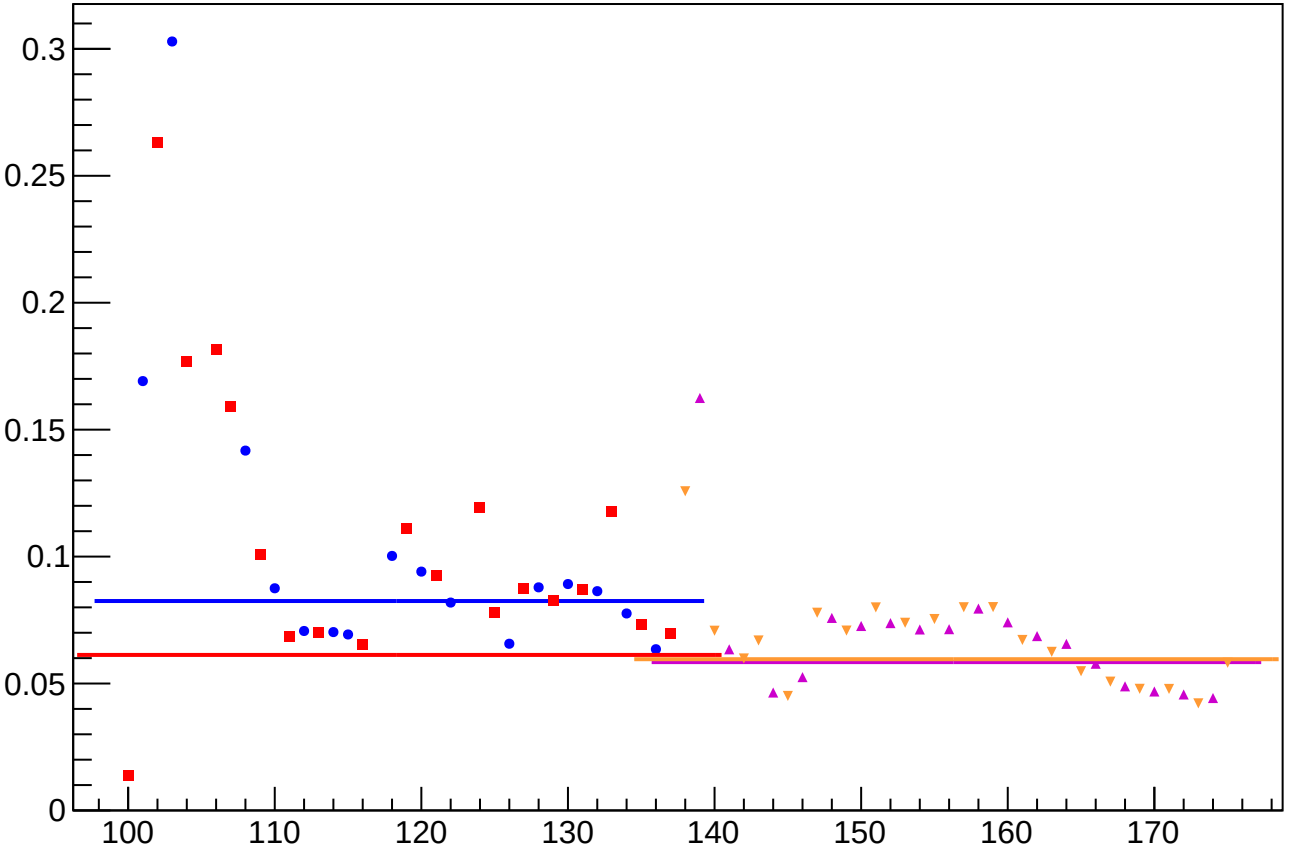
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.070+/-0.000 χ^2/NDF:13358291304.1/33

Out: 28.297+/-0.000 χ^2/NDF:326784714442.6/38

All: 29.613+/-0.000 χ^2/NDF: 356363224069.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.060+/-0.000 χ^2/NDF:1450142.7/19

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1642335.1/17

Left: 0.059+/-0.000 χ^2/NDF: 3096790.2/37

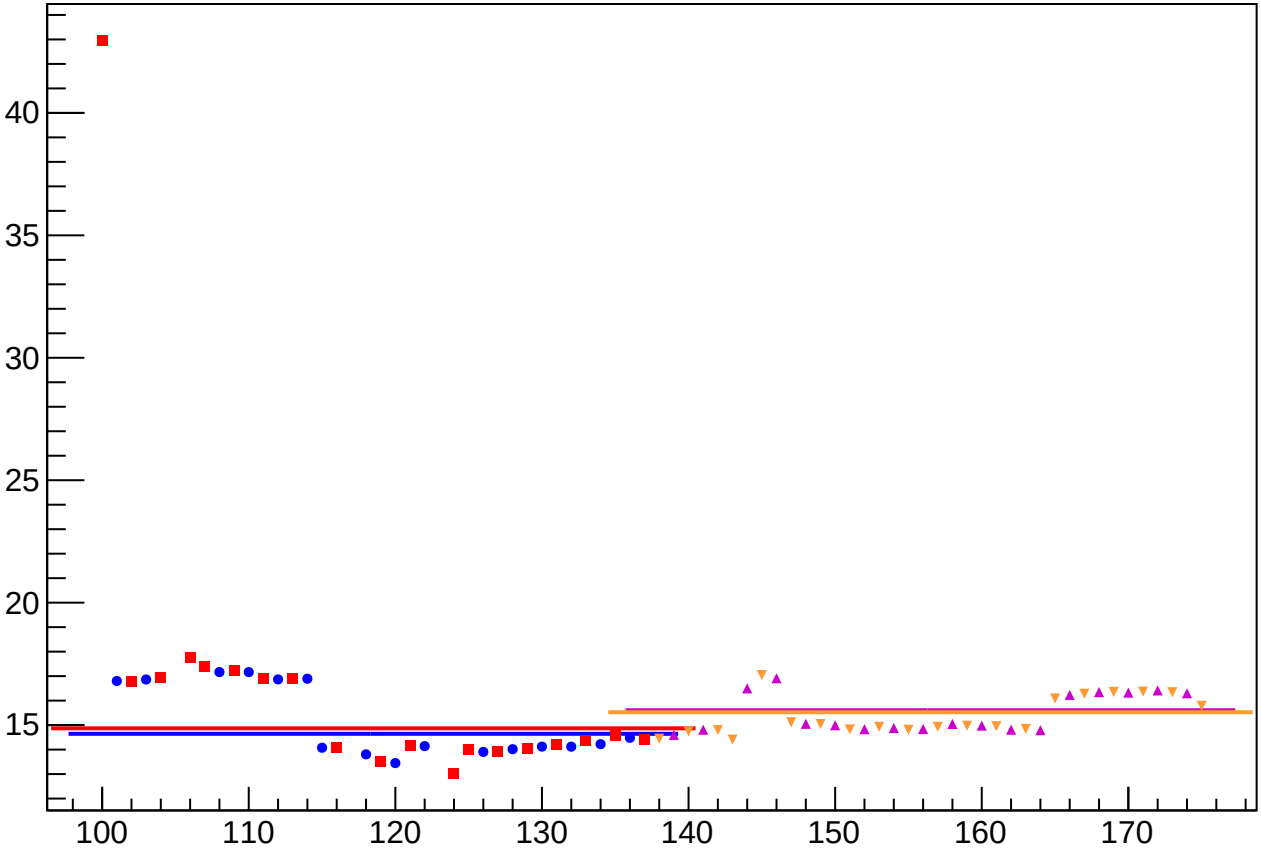
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.063+/-0.000 χ^2/NDF:3627299.1/33

Out: 0.060+/-0.000 χ^2/NDF:5469117.6/38

All: 0.061+/-0.000 χ^2/NDF: 9136500.4/72

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.526+/-0.000 χ^2/NDF:2038455661.1/19

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.606+/-0.000 χ^2/NDF:1790176078.6/17

Left: 15.565+/-0.000 χ^2/NDF: 3838744360.6/37

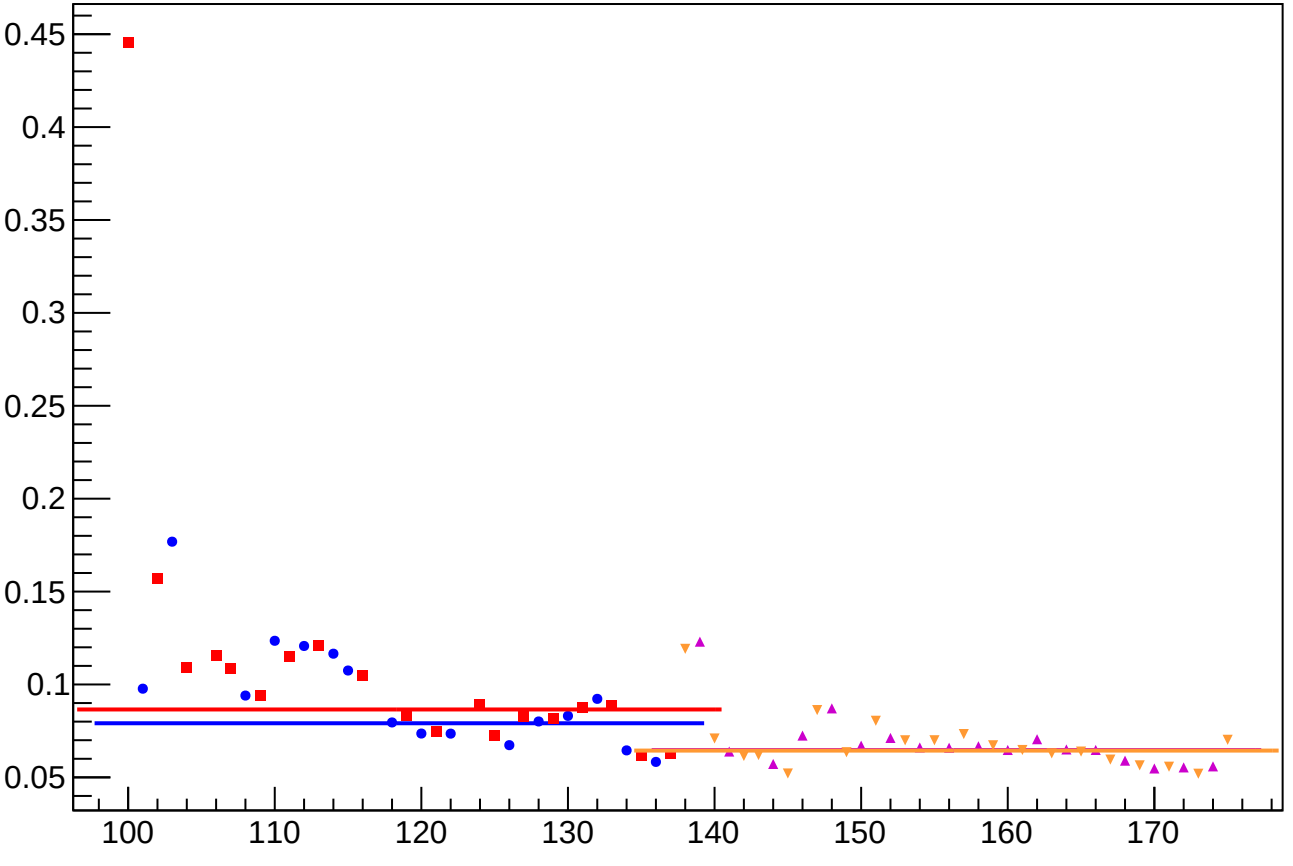
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.376+/-0.000 χ^2/NDF:3644983451.9/33

Out: 15.391+/-0.000 χ^2/NDF:4050722084.6/38

All: 15.384+/-0.000 χ^2/NDF: 7696157389.0/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:744682.8/19

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:674639.0/17

Left: 0.065+/-0.000 χ^2/NDF: 1419601.2/37

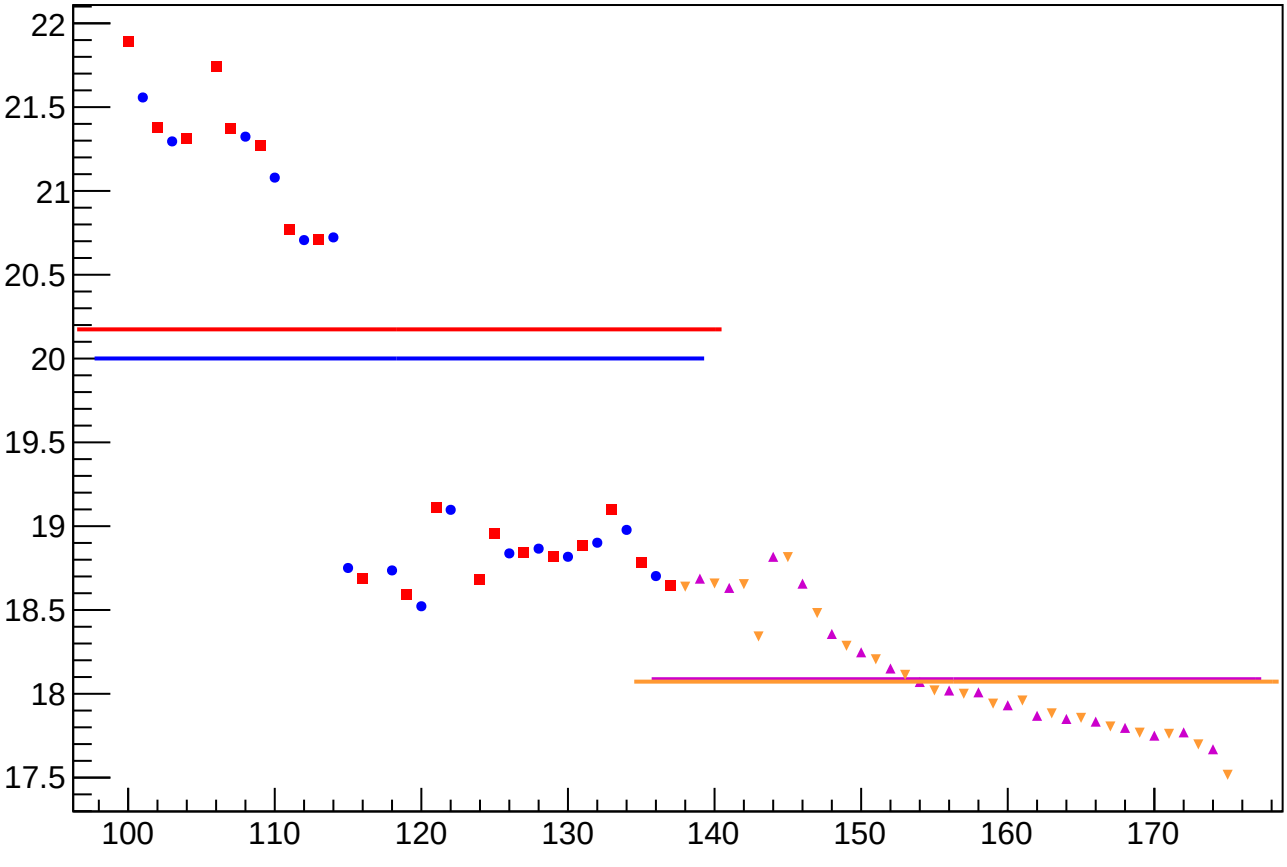
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1889148.7/33

Out: 0.069+/-0.000 χ^2/NDF:2177482.0/38

All: 0.069+/-0.000 χ^2/NDF: 4068967.6/72

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.073+/-0.000 χ^2/NDF:1979992120.8/19

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.087+/-0.000 χ^2/NDF:1796734016.4/17

Left: 18.080+/-0.000 χ^2/NDF: 3778297640.8/37

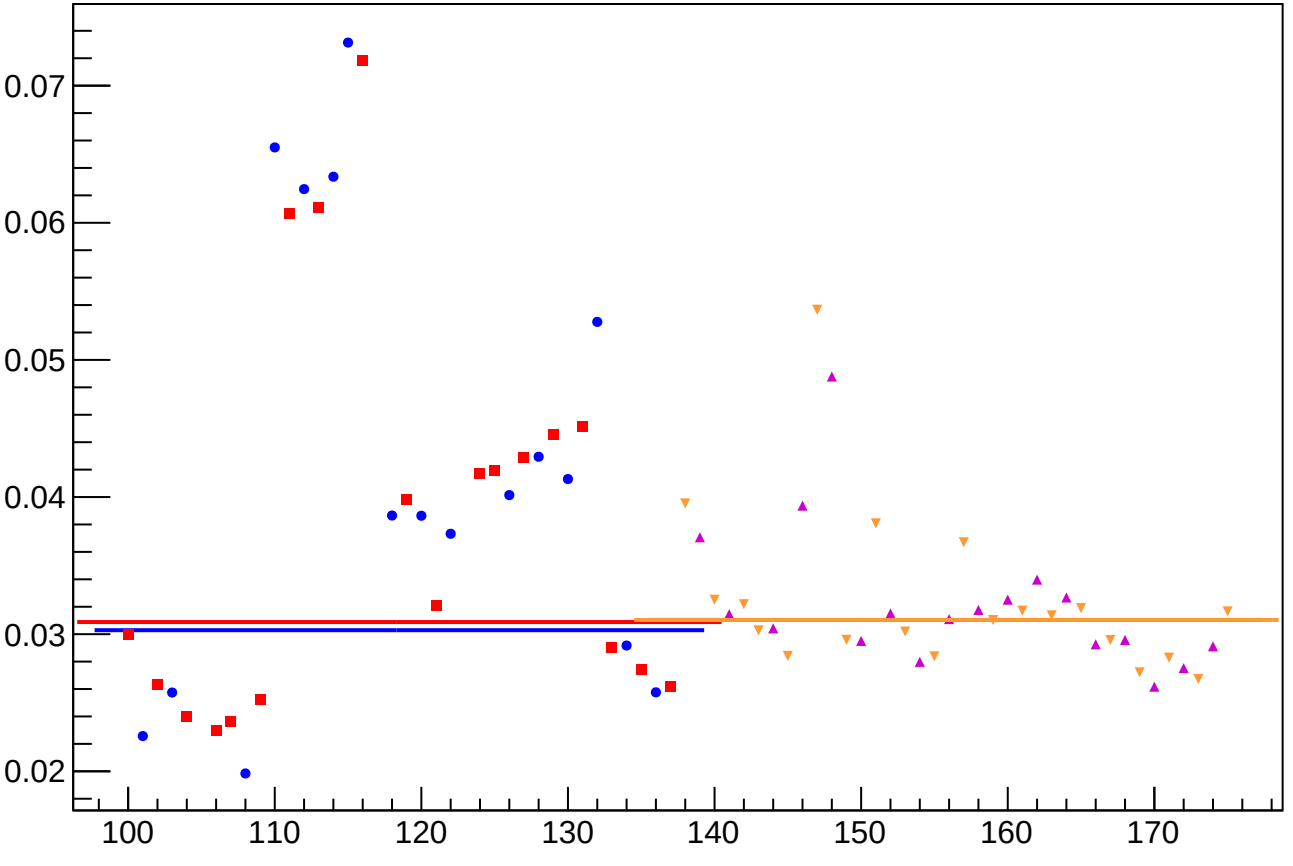
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.677+/-0.000 χ^2/NDF:29132800566.7/33

Out: 18.694+/-0.000 χ^2/NDF:32690393152.4/38

All: 18.686+/-0.000 χ^2/NDF: 61826133957.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:573331.0/19

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:466247.3/17

Left: 0.031+/-0.000 χ^2/NDF: 1039578.3/37

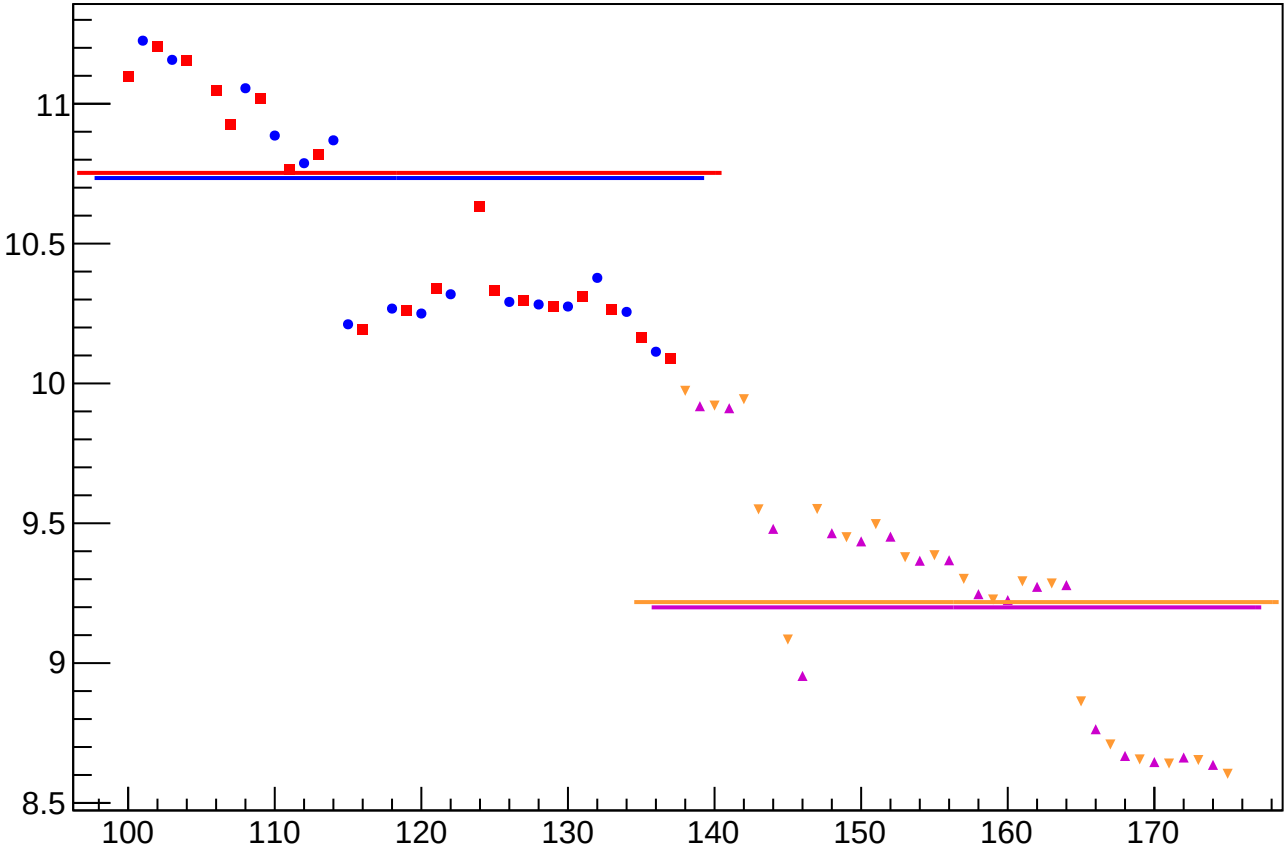
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1918644.0/33

Out: 0.031+/-0.000 χ^2/NDF:1778269.0/38

All: 0.031+/-0.000 χ^2/NDF: 3697655.4/72

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.218+/-0.000 χ^2/NDF:7141074092.1/19

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.199+/-0.000 χ^2/NDF:5452184485.3/17

Left: 9.209+/-0.000 χ^2/NDF: 12599702497.9/37

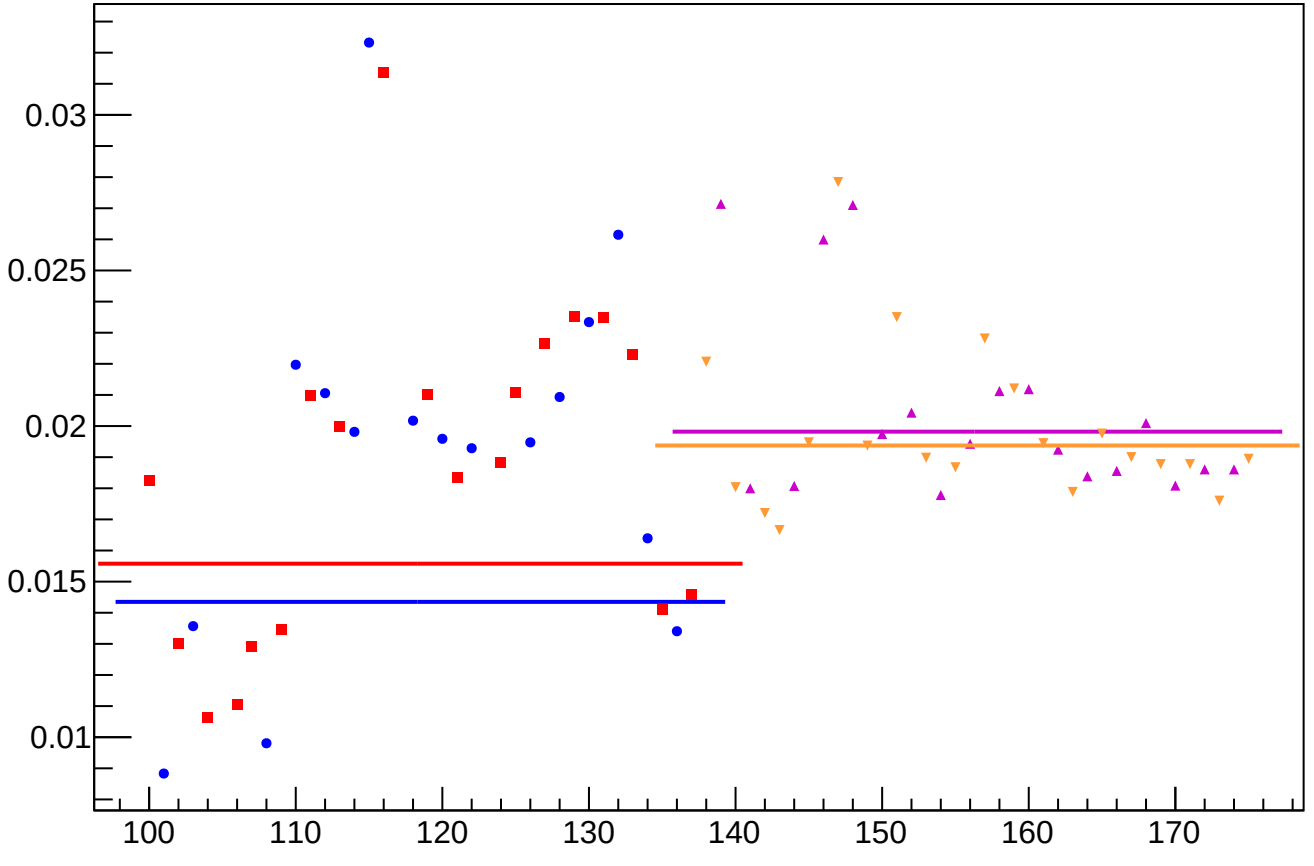
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.884+/-0.000 χ^2/NDF:47366423781.3/33

Out: 9.832+/-0.000 χ^2/NDF:47546216780.5/38

All: 9.858+/-0.000 χ^2/NDF: 94999784552.9/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:354211.1/19

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:433150.0/17

Left: 0.020+/-0.000 χ^2/NDF: 794513.5/37

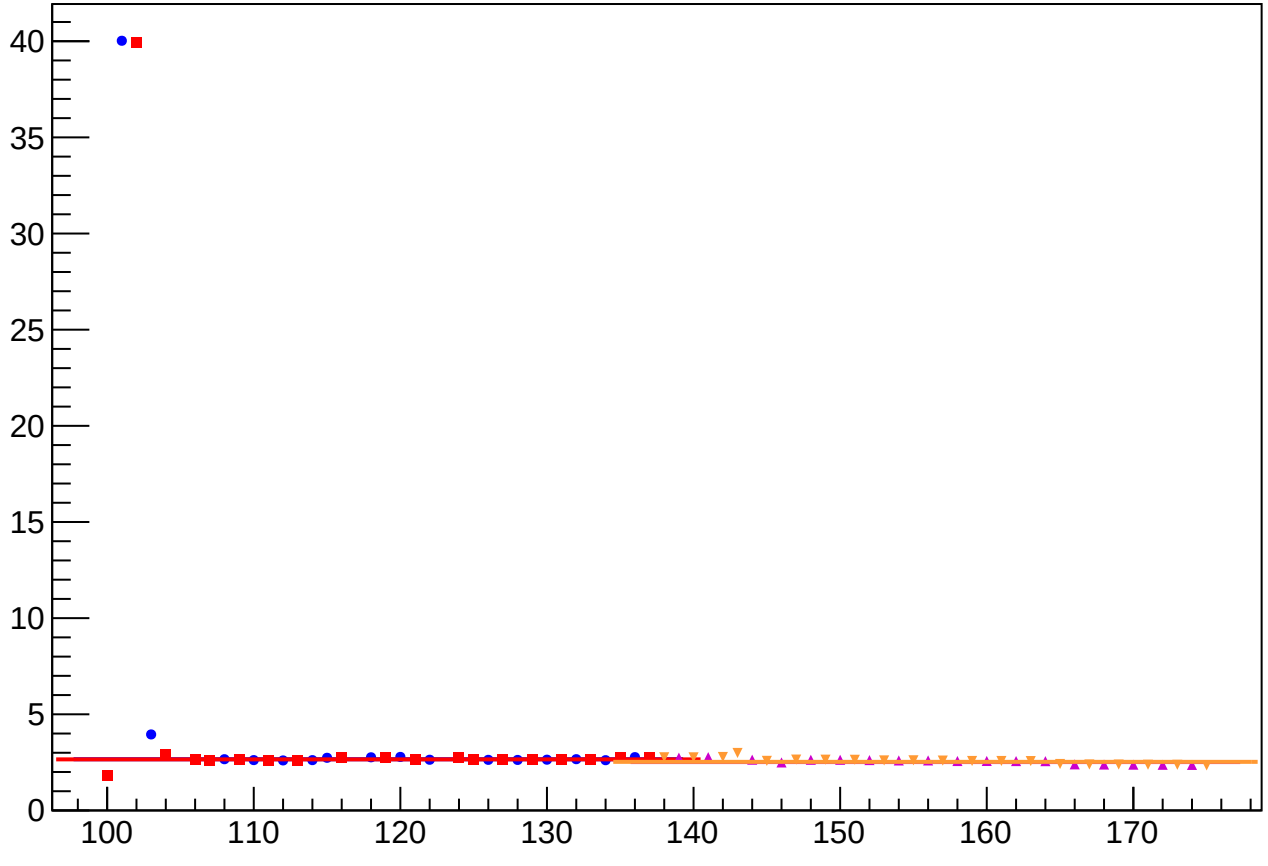
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2830149.5/33

Out: 0.018+/-0.000 χ^2/NDF:1868030.9/38

All: 0.018+/-0.000 χ^2/NDF: 4712536.6/72

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.527+/-0.000 χ^2/NDF:72398830327.4/19

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.516+/-0.000 χ^2/NDF:47316830736.2/17

Left: 2.522+/-0.000 χ^2/NDF: 119898964302.1/37

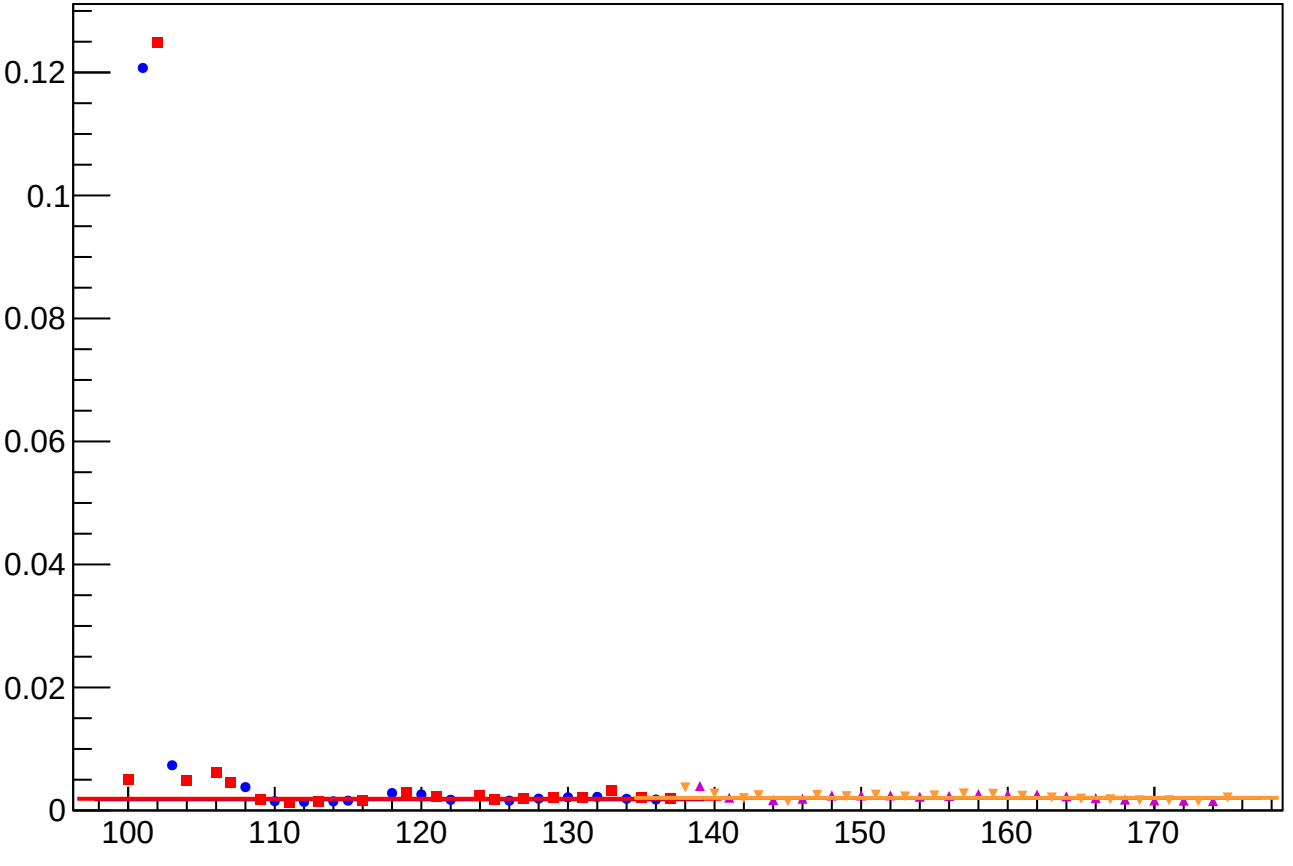
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.565+/-0.000 χ^2/NDF:136138561313.8/33

Out: 2.568+/-0.000 χ^2/NDF:153458734908.5/38

All: 2.567+/-0.000 χ^2/NDF: 289615903495.4

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1372247.0/19

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1209241.7/17

Left: 0.002+/-0.000 χ^2/NDF: 2582618.0/37

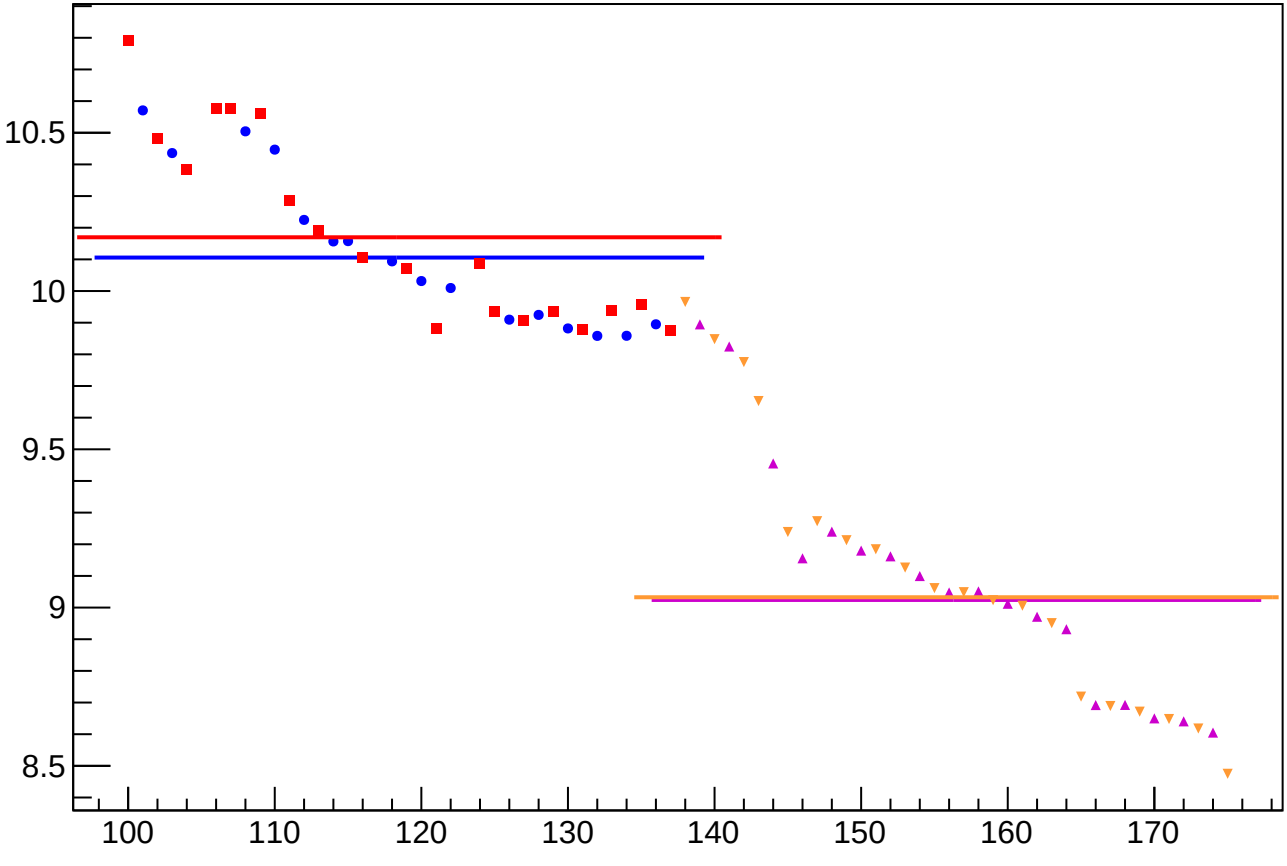
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3116675.1/33

Out: 0.002+/-0.000 χ^2/NDF:3937772.2/38

All: 0.002+/-0.000 χ^2/NDF: 7062775.9/72

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.033+/-0.000 χ^2/NDF:47461689703.6/19

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.024+/-0.000 χ^2/NDF:38580401128.0/17

Left: 9.029+/-0.000 χ^2/NDF: 86054180025.2/37

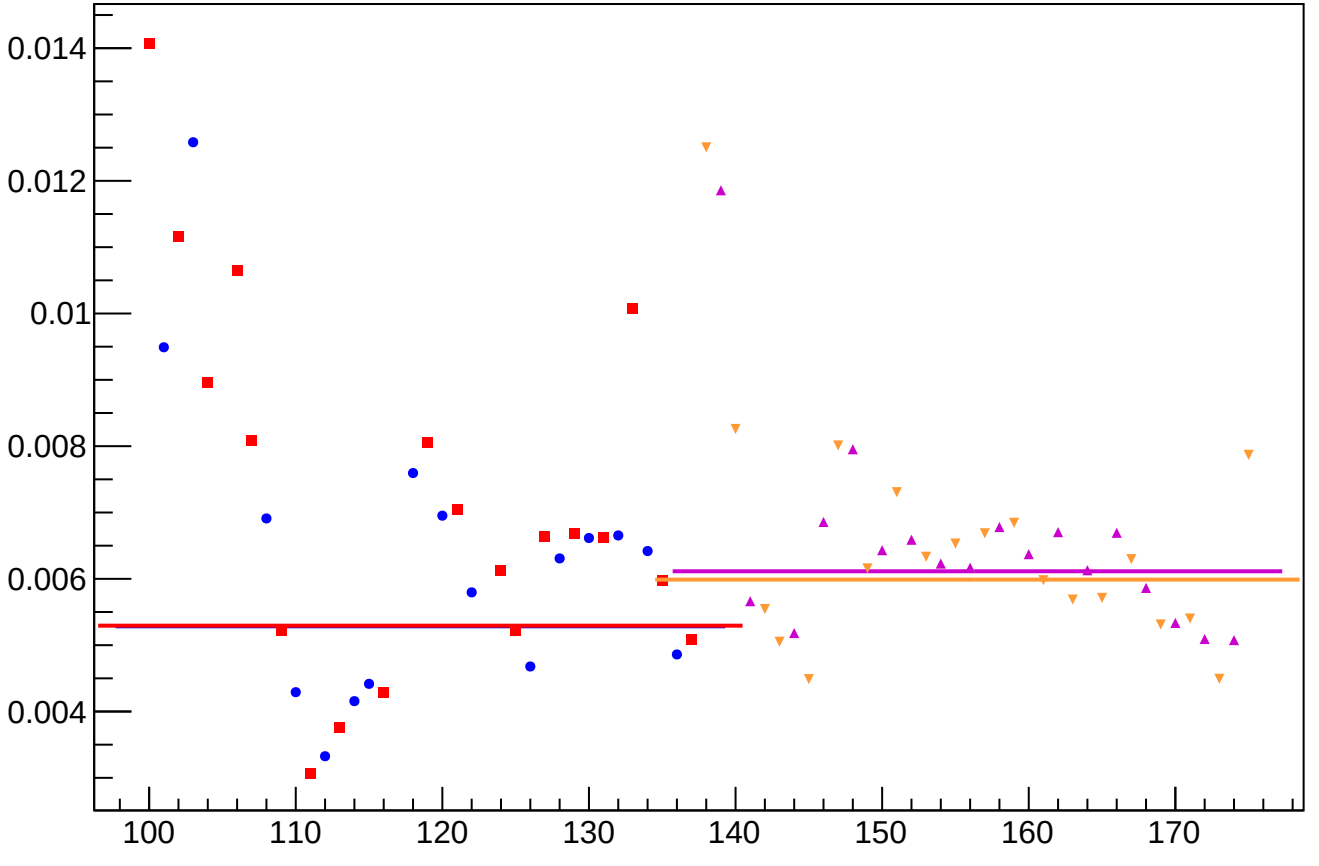
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.432+/-0.000 χ^2/NDF:188605349027.6/33

Out: 9.441+/-0.000 χ^2/NDF:219733996902.1/38

All: 9.437+/-0.000 χ^2/NDF: 408359739092.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1112564.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:704711.6/17

Left: 0.006+/-0.000 χ^2/NDF: 1822548.6/37

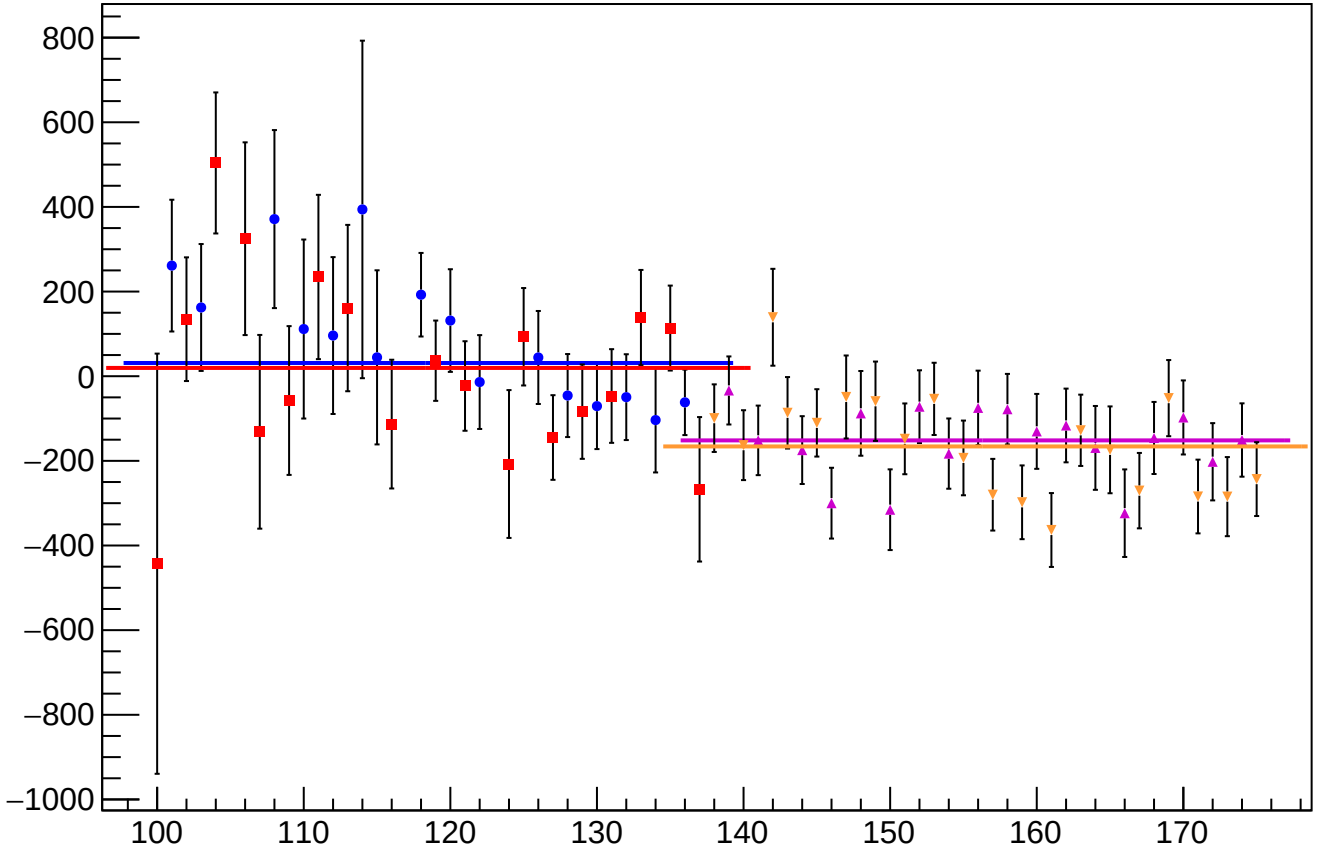
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2144589.8/33

Out: 0.006+/-0.000 χ^2/NDF:3026494.3/38

All: 0.006+/-0.000 χ^2/NDF: 5173117.5/72

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.928+/-19.724 χ^2/NDF:30.4/19

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -151.632+/-20.667 χ^2/NDF:15.0/17

Left: -159.114+/-14.269 χ^2/NDF: 45.7/37

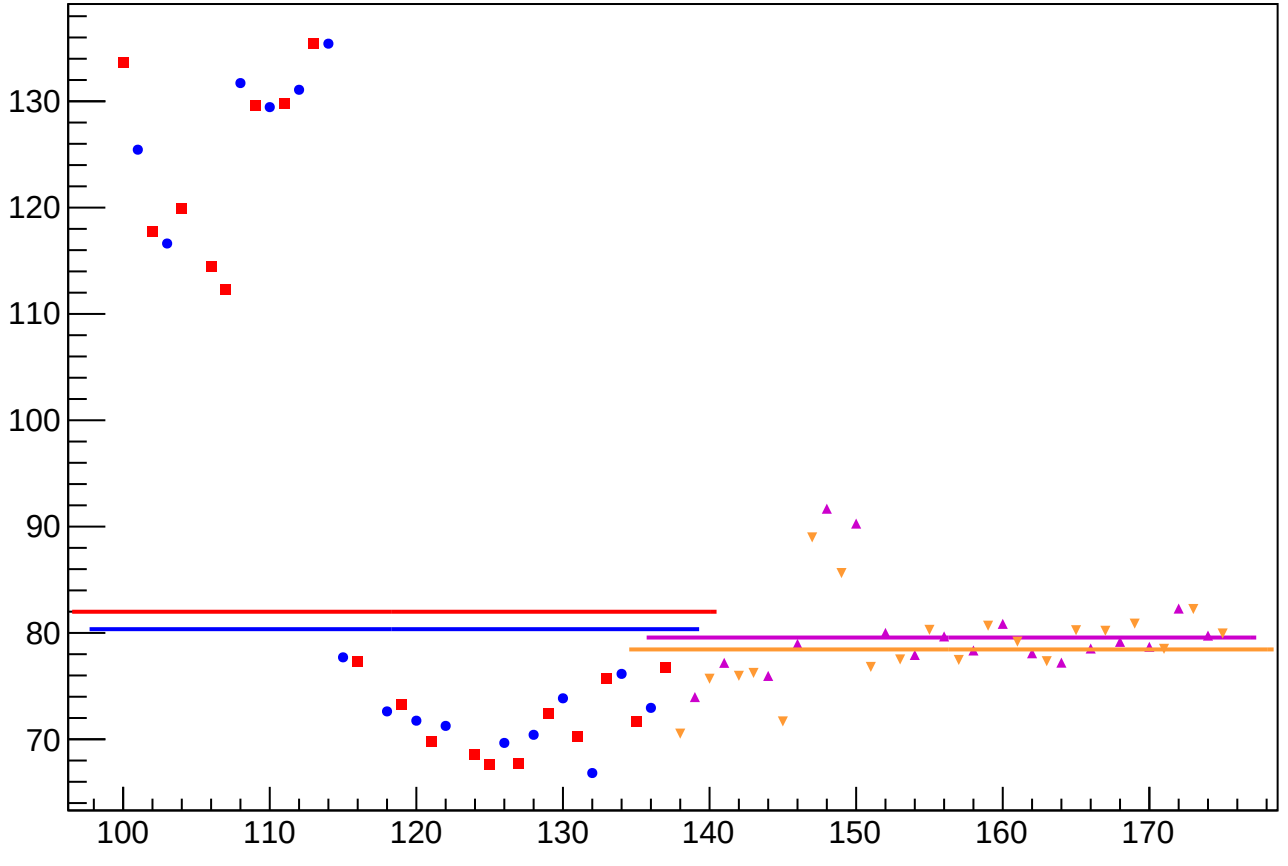
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -94.819+/-17.159 χ^2/NDF:54.4/33

Out: -112.614+/-16.650 χ^2/NDF:81.8/38

All: -103.984+/-11.949 χ^2/NDF: 136.7/72

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

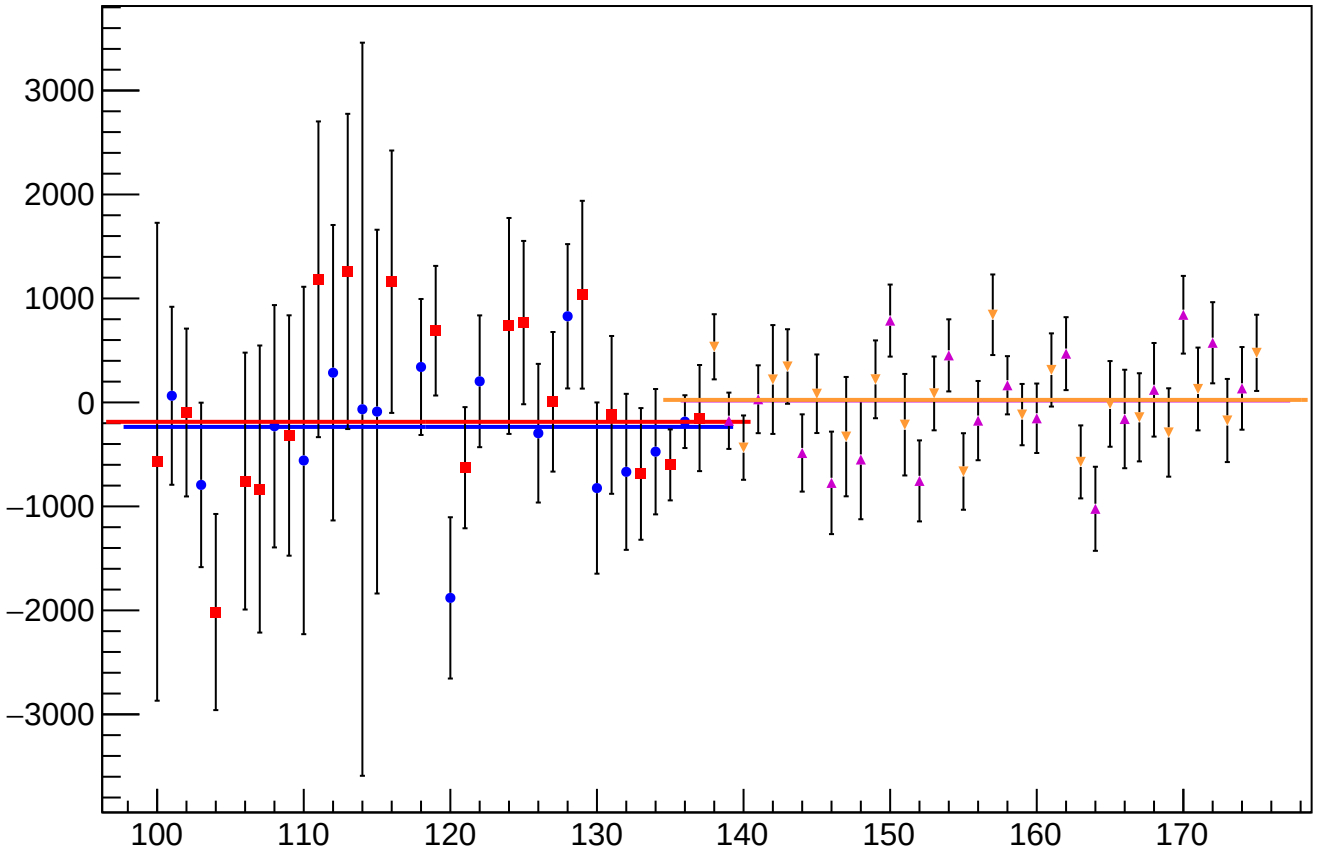
Left: 78.981+/-0.010 χ^2/NDF: 163032.1/37

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.811+/-0.012 χ^2/NDF:916666.3/33

Out: 79.467+/-0.012 χ^2/NDF:1035142.8/38

All: 79.634+/-0.008 χ^2/NDF: 1952224.7/72



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.282+/-84.485 χ^2/NDF:21.1/19

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 18.800+/-86.731 χ^2/NDF:32.6/17

Left: 21.613+/-60.518 χ^2/NDF: 53.7/37

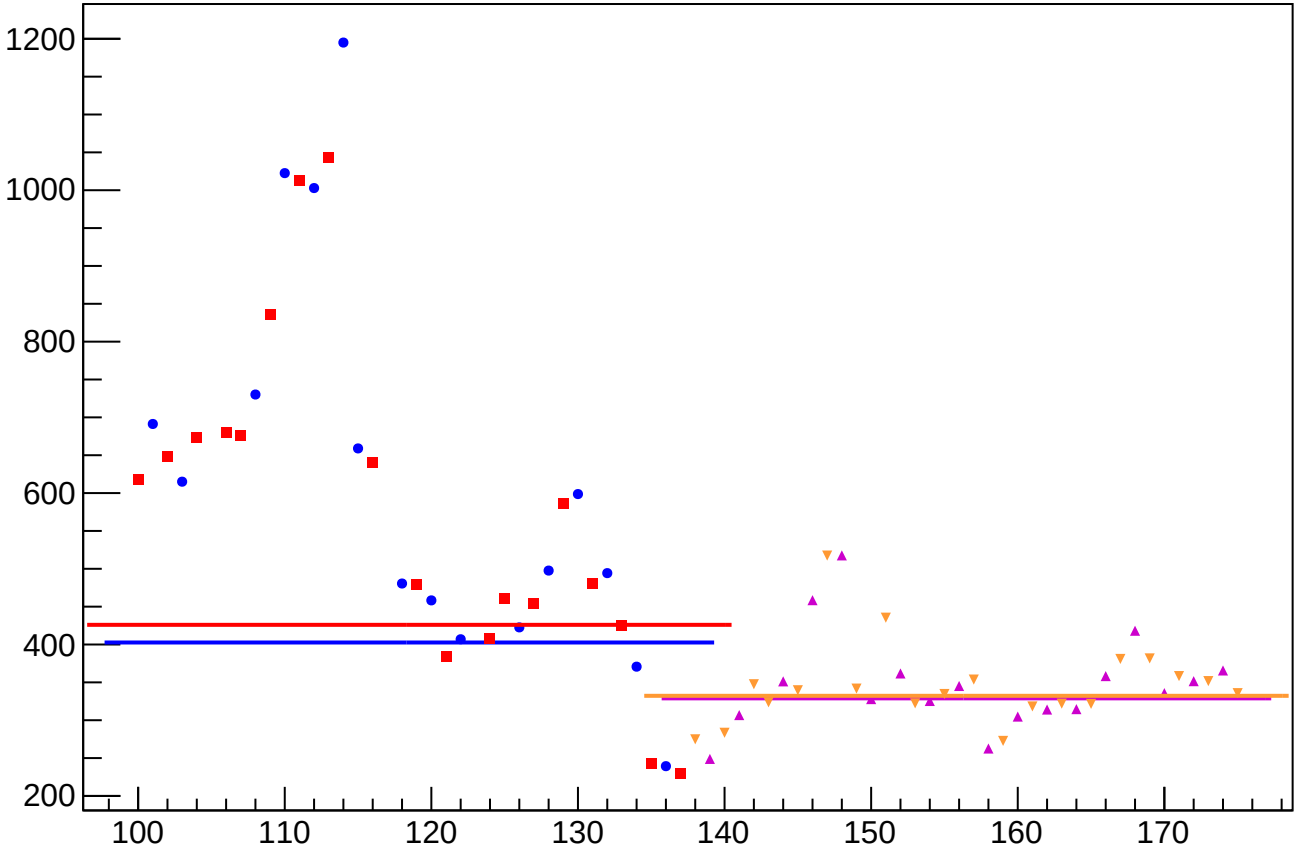
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -36.908+/-76.646 χ^2/NDF:44.4/33

Out: -17.335+/-75.692 χ^2/NDF:38.2/38

All: -26.999+/-53.856 χ^2/NDF: 82.7/72

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.242+/-0.060 χ^2/NDF:582031.8/19

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 328.867+/-0.061 χ^2/NDF:802745.8/17

Left: 330.599+/-0.043 χ^2/NDF: 1386331.8/37

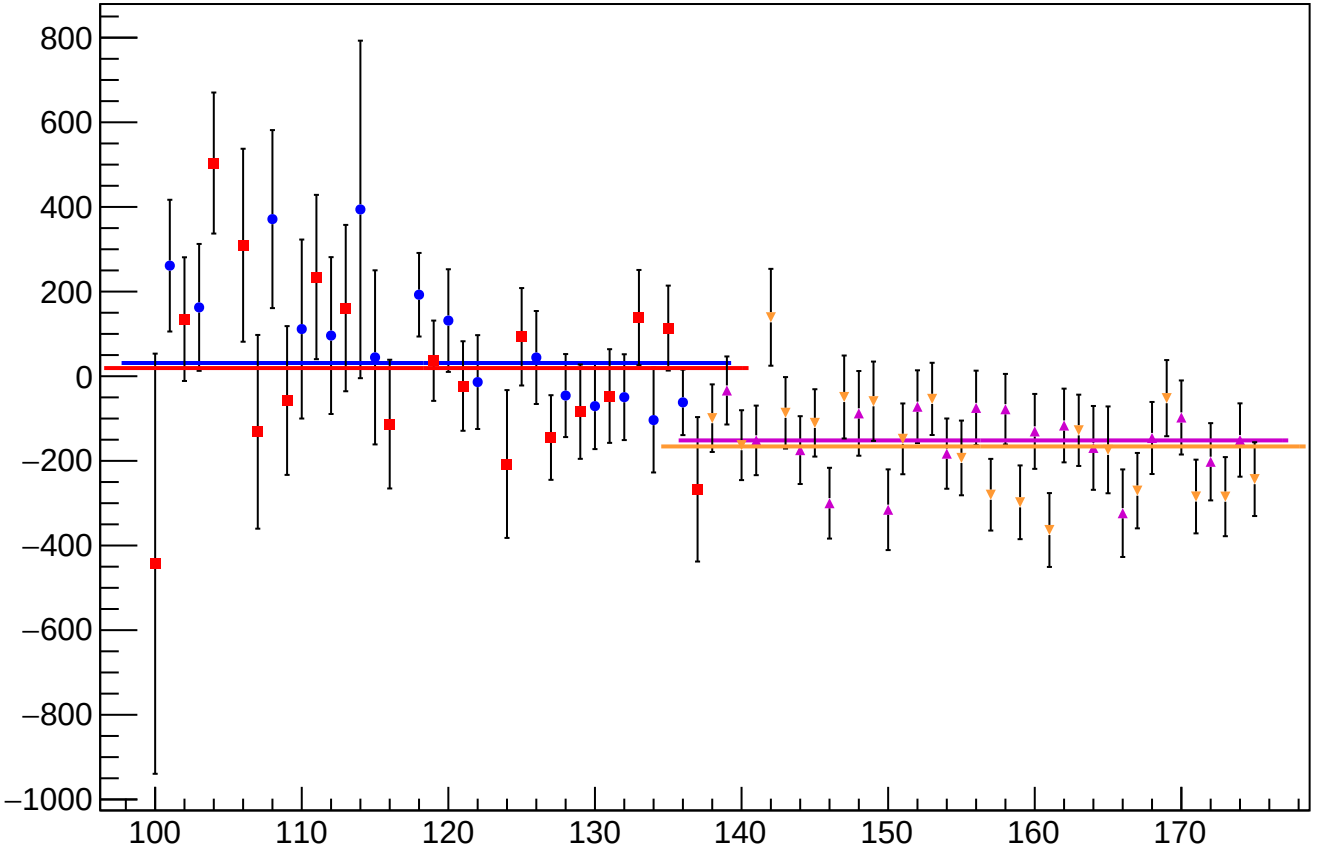
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 345.031+/-0.054 χ^2/NDF:3479951.7/33

Out: 350.739+/-0.054 χ^2/NDF:3436655.2/38

All: 347.921+/-0.038 χ^2/NDF: 6922223.6/72

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.636+/-20.667 χ^2/NDF:15.0/17

Left: -159.114+/-14.269 χ^2/NDF: 45.7/37

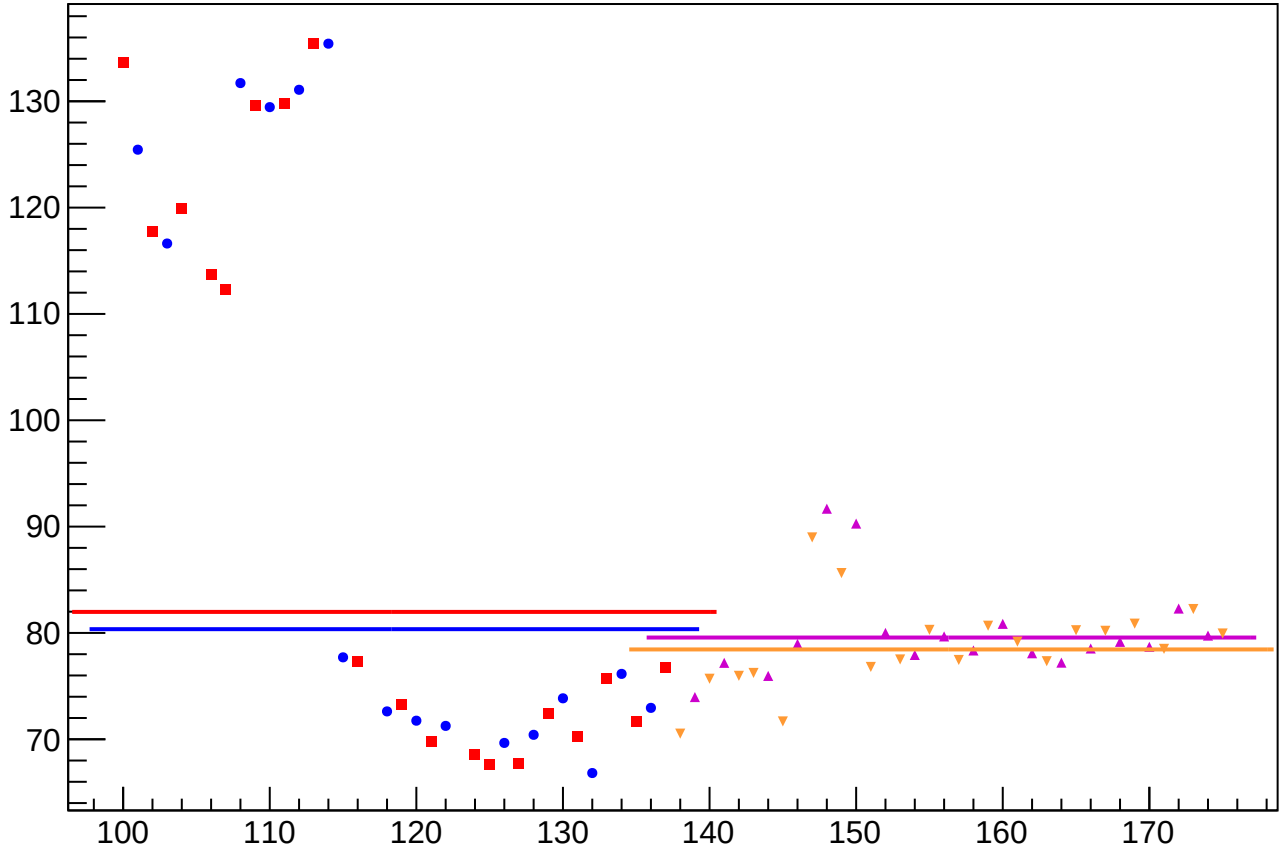
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.819+/-17.159 χ^2/NDF:54.4/33

Out: -112.699+/-16.651 χ^2/NDF:81.5/38

All: -104.028+/-11.950 χ^2/NDF: 136.5/72

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

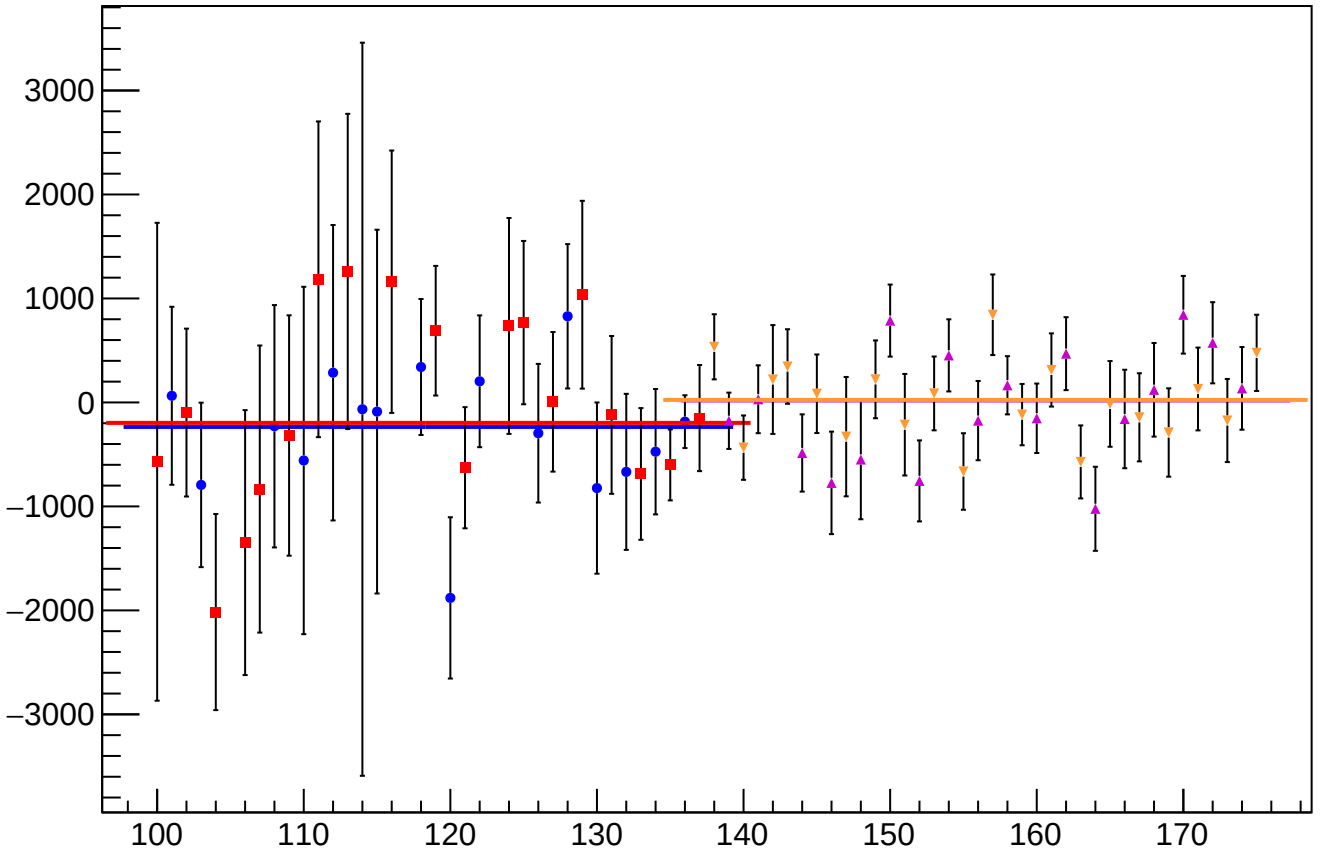
Left: 78.981+/-0.010 χ^2/NDF: 163032.1/37

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.811+/-0.012 χ^2/NDF:916666.5/33

Out: 79.462+/-0.012 χ^2/NDF:1033113.6/38

All: 79.632+/-0.008 χ^2/NDF: 1950206.3/72



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 18.795+/-86.731 χ^2/NDF:32.6/17

Left: 21.610+/-60.518 χ^2/NDF: 53.7/37

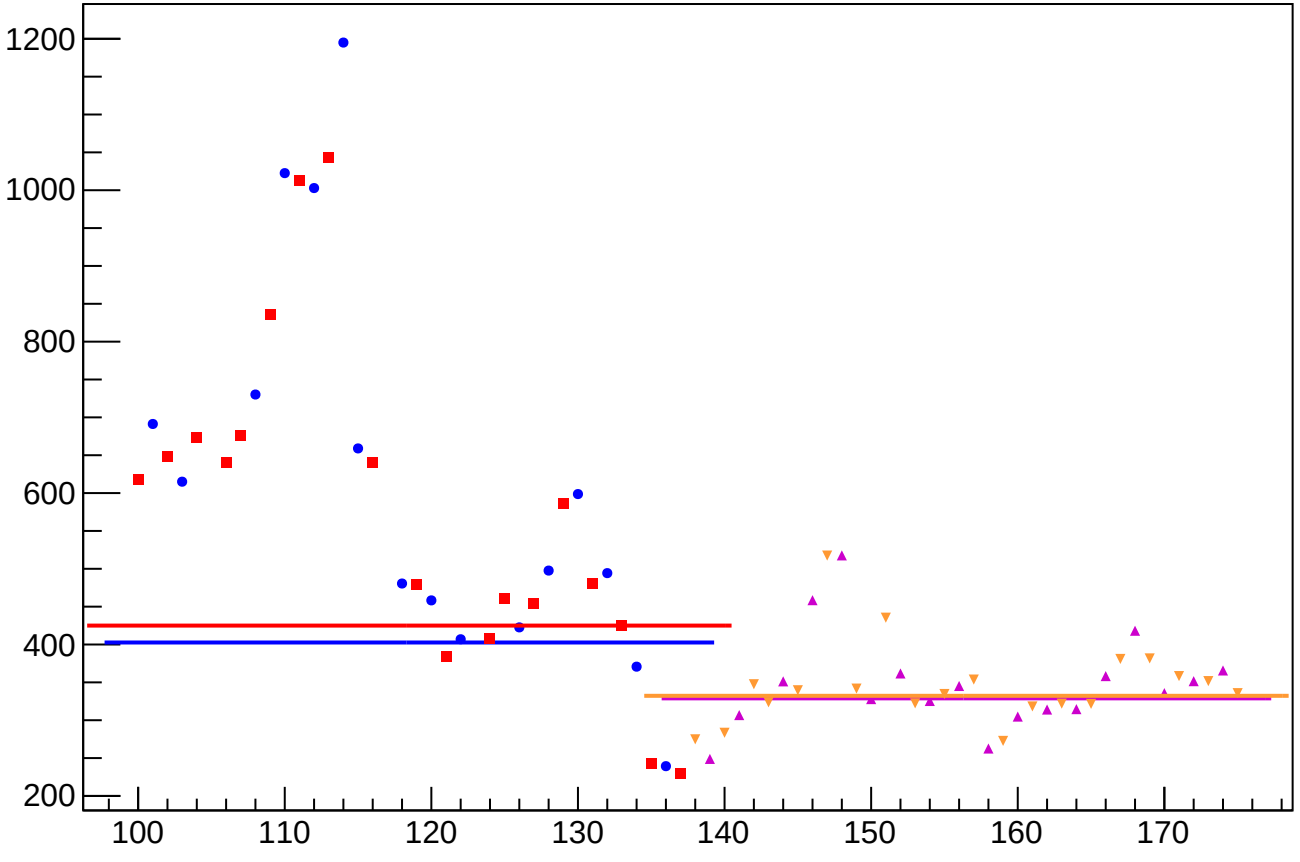
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -36.911+/-76.646 χ^2/NDF:44.4/33

Out: -19.260+/-75.700 χ^2/NDF:39.0/38

All: -27.976+/-53.859 χ^2/NDF: 83.4/72

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

Left: 330.599+/-0.043 χ^2/NDF: 1386339.0/37

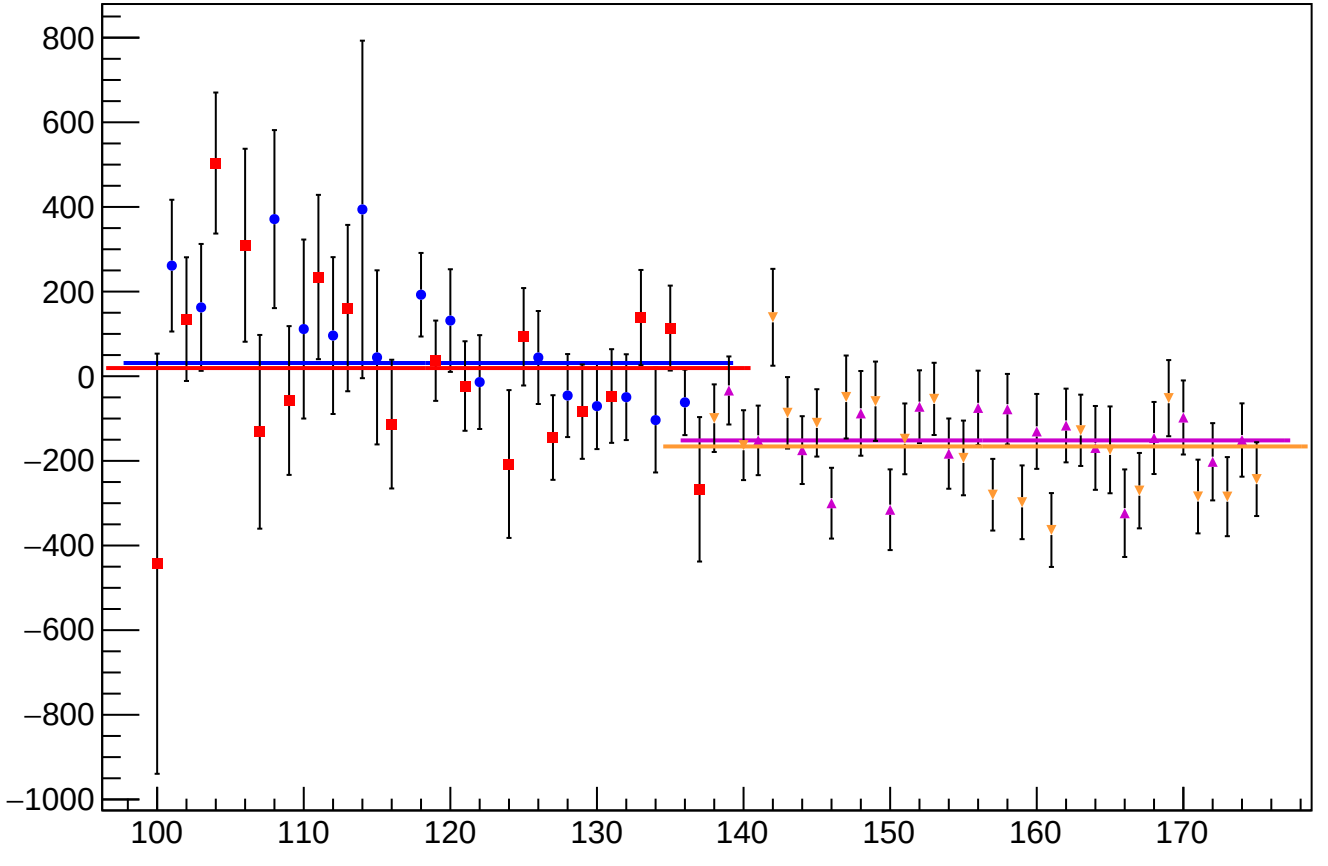
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.031+/-0.054 χ^2/NDF:3479947.7/33

Out: 350.527+/-0.054 χ^2/NDF:3398232.2/38

All: 347.813+/-0.038 χ^2/NDF: 6883385.0/72

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.636+/-20.667 χ^2/NDF:15.0/17

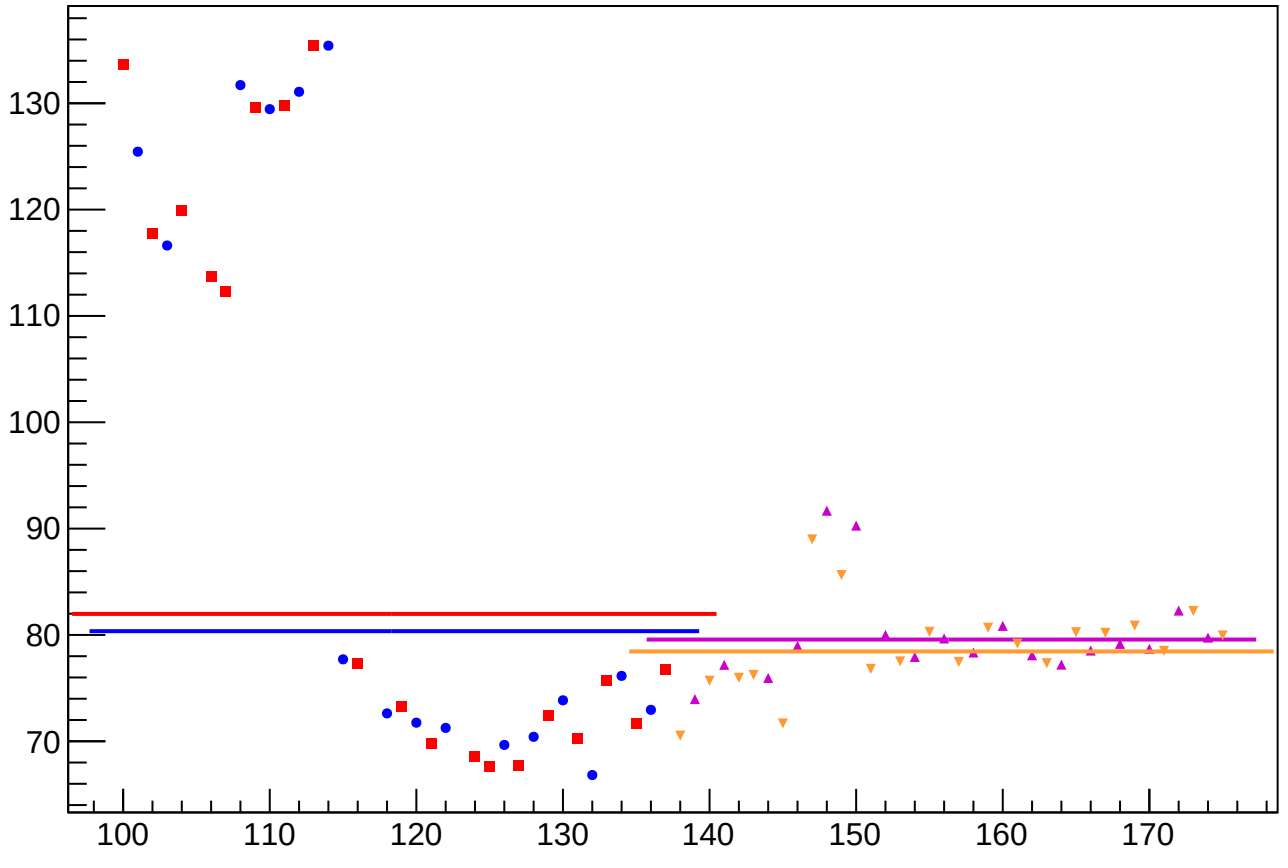
Left: -159.114+/-14.269 χ^2/NDF: 45.7/37

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.819+/-17.159 χ^2/NDF:54.4/33

Out: -112.699+/-16.651 χ^2/NDF:81.5/38

All: -104.028+/-11.950 χ^2/NDF: 136.5/72



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

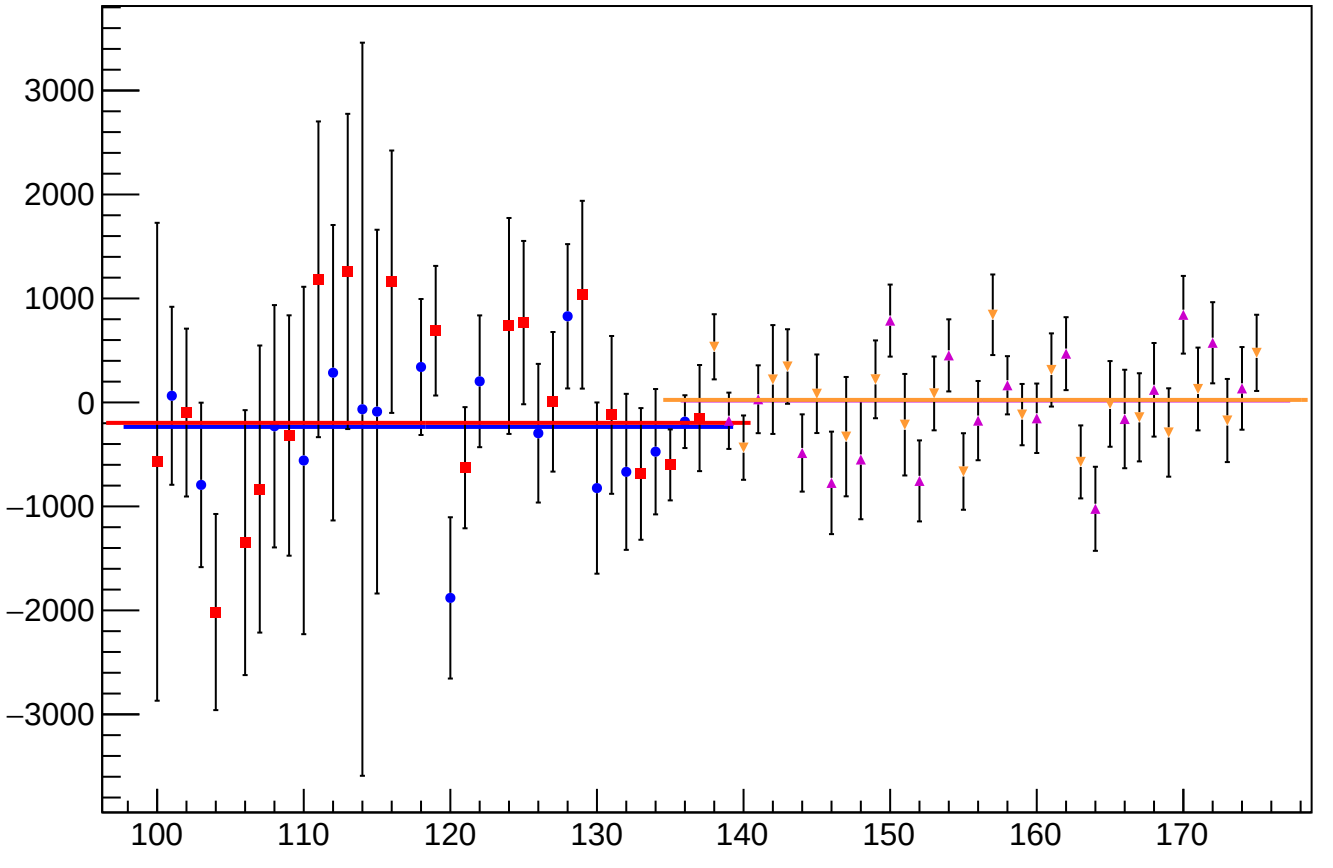
Left: 78.981+/-0.010 χ^2/NDF: 163032.1/37

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.811+/-0.012 χ^2/NDF:916666.5/33

Out: 79.462+/-0.012 χ^2/NDF:1033113.6/38

All: 79.632+/-0.008 χ^2/NDF: 1950206.3/72



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 18.795+/-86.731 χ^2/NDF:32.6/17

Left: 21.610+/-60.518 χ^2/NDF: 53.7/37

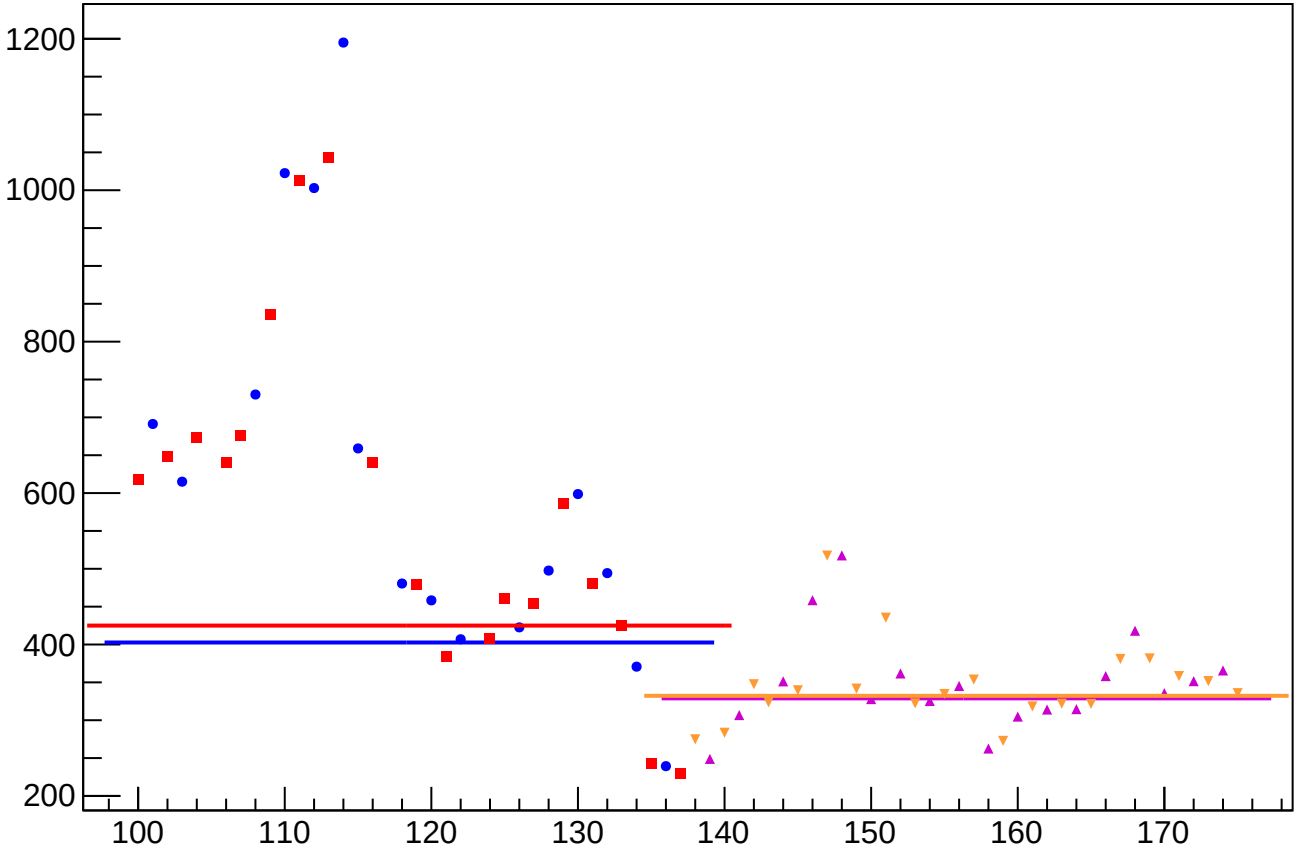
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -36.911+/-76.646 χ^2/NDF:44.4/33

Out: -19.260+/-75.700 χ^2/NDF:39.0/38

All: -27.976+/-53.859 χ^2/NDF: 83.4/72

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

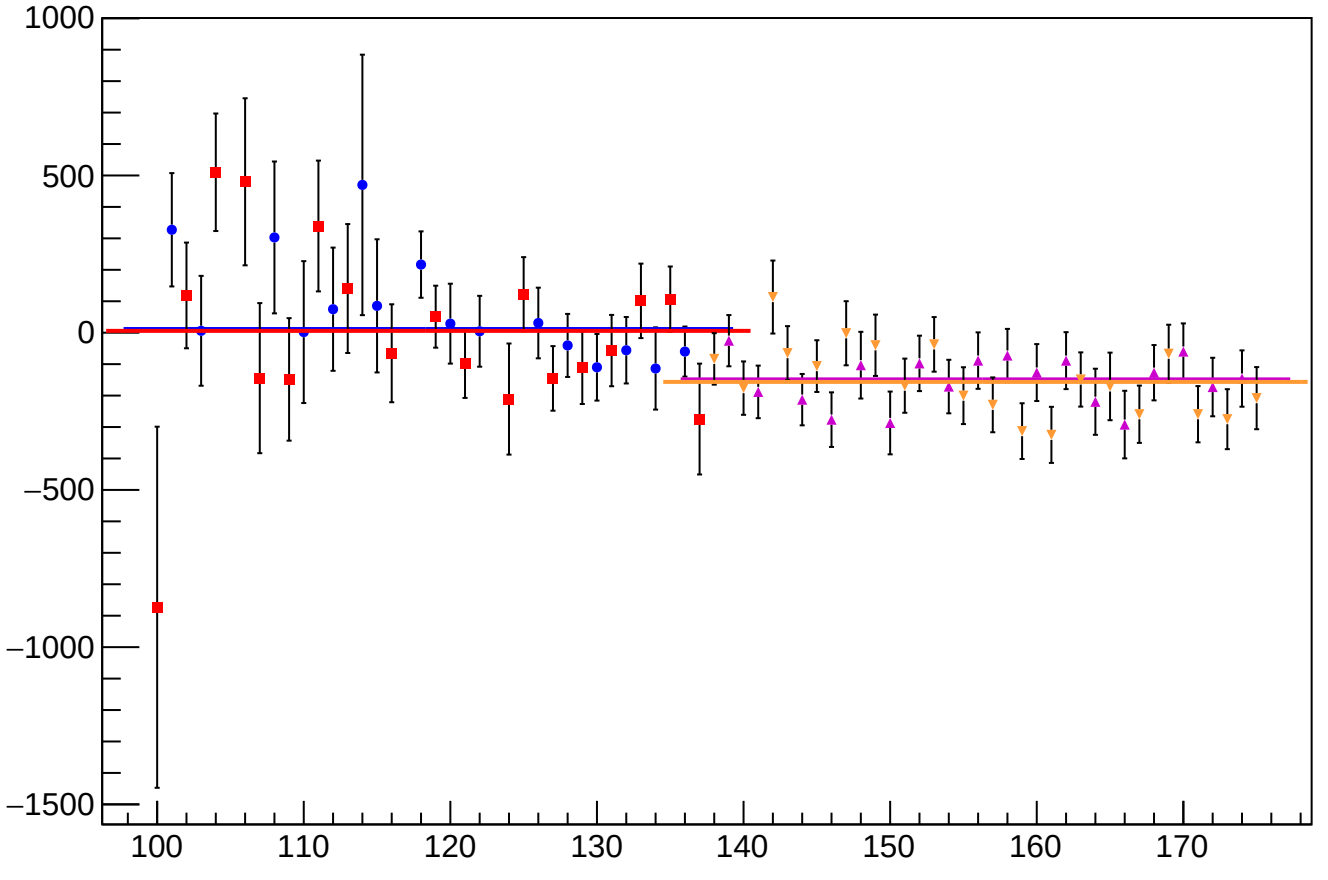
Left: 330.599+/-0.043 χ^2/NDF: 1386339.0/37

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.031+/-0.054 χ^2/NDF:3479947.7/33

Out: 350.527+/-0.054 χ^2/NDF:3398232.2/38

All: 347.813+/-0.038 χ^2/NDF: 6883385.0/72



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.475+/-21.268 χ^2/NDF:12.9/17

Left: -152.644+/-14.698 χ^2/NDF: 39.4/37

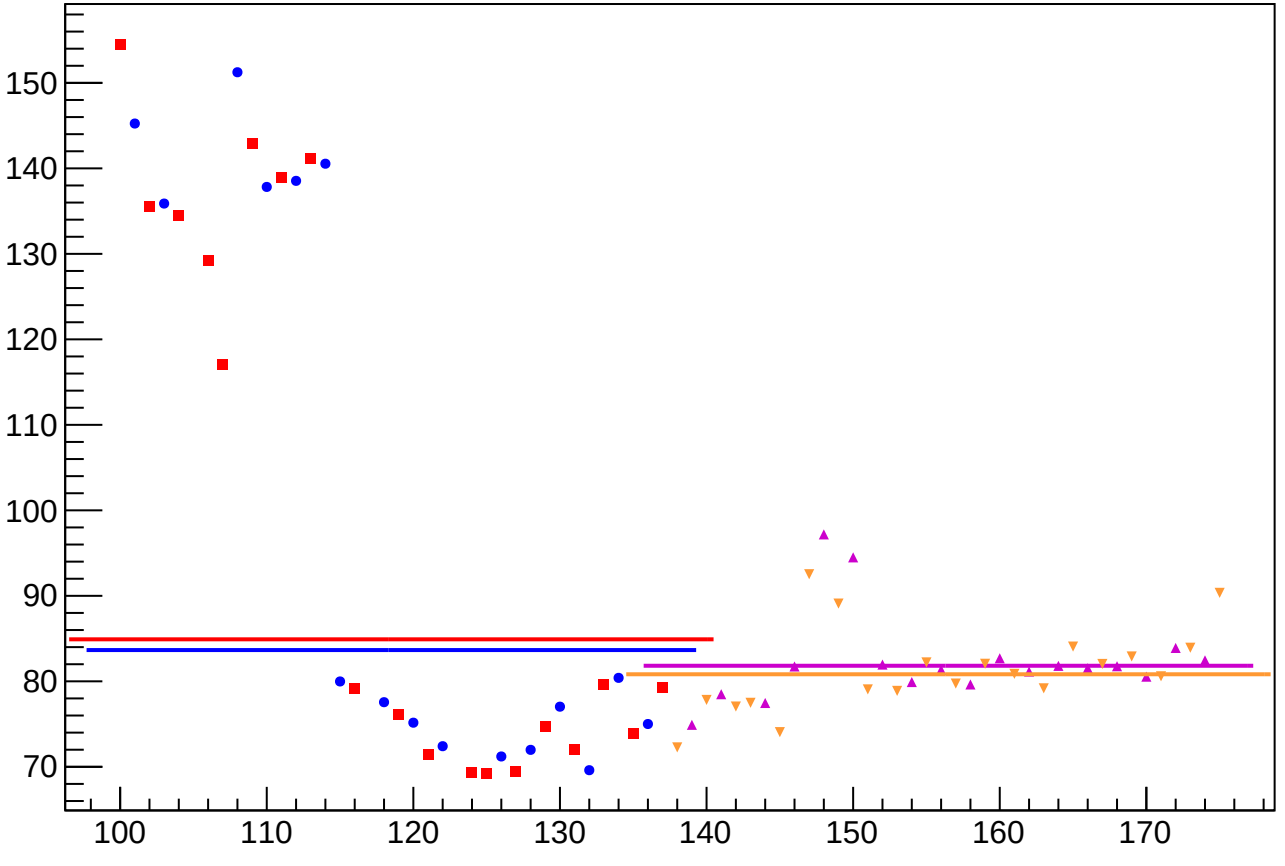
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.041+/-17.763 χ^2/NDF:43.6/33

Out: -110.684+/-17.231 χ^2/NDF:73.1/38

All: -105.524+/-12.368 χ^2/NDF: 116.9/72

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.825+/-0.014 χ^2/NDF:111392.5/19

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.9/17

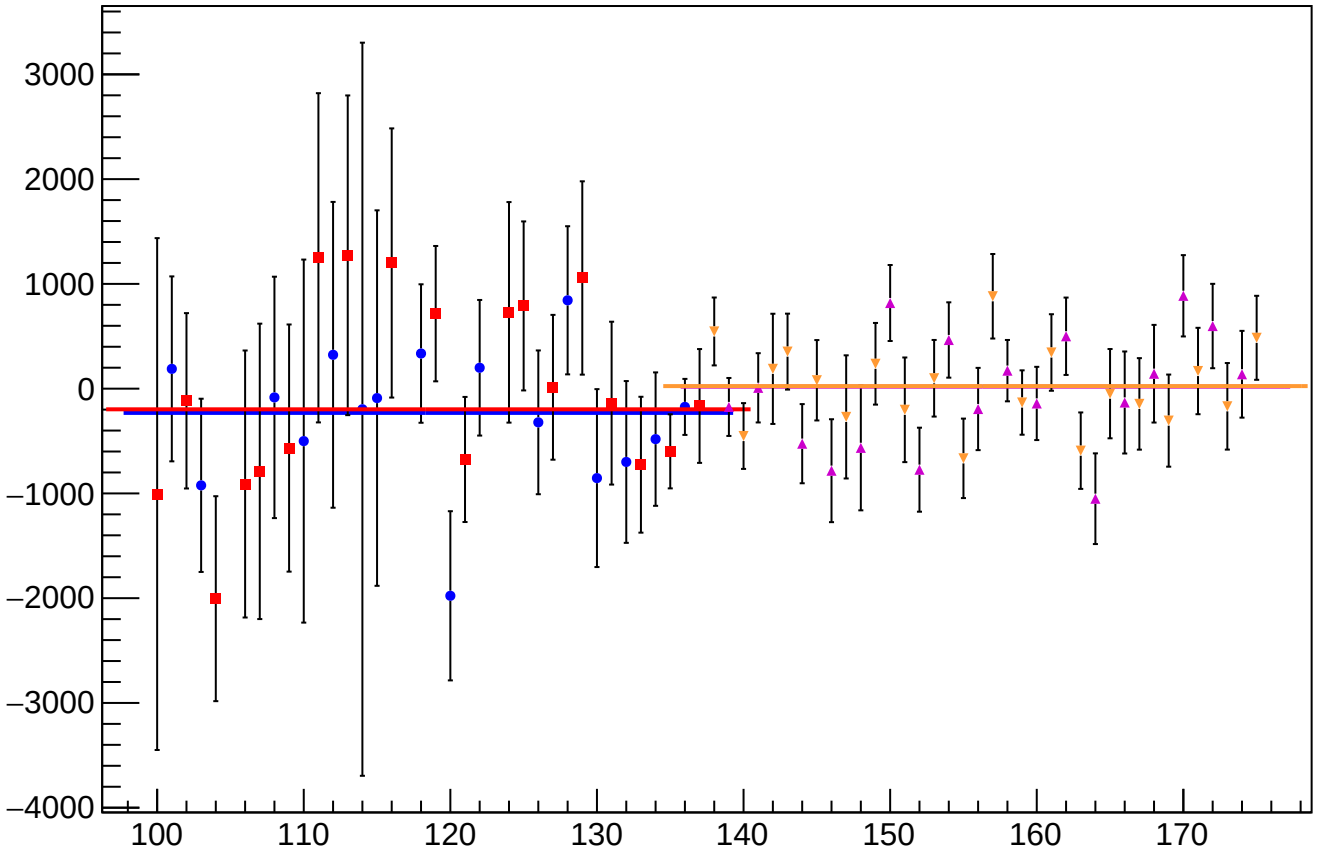
Left: 81.301+/-0.010 χ^2/NDF: 215356.0/37

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.376+/-0.013 χ^2/NDF:1140975.6/33

Out: 81.978+/-0.012 χ^2/NDF:1255860.8/38

All: 82.171+/-0.009 χ^2/NDF: 2397354.6/72



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 19.322+/-89.736 χ^2/NDF:32.4/17

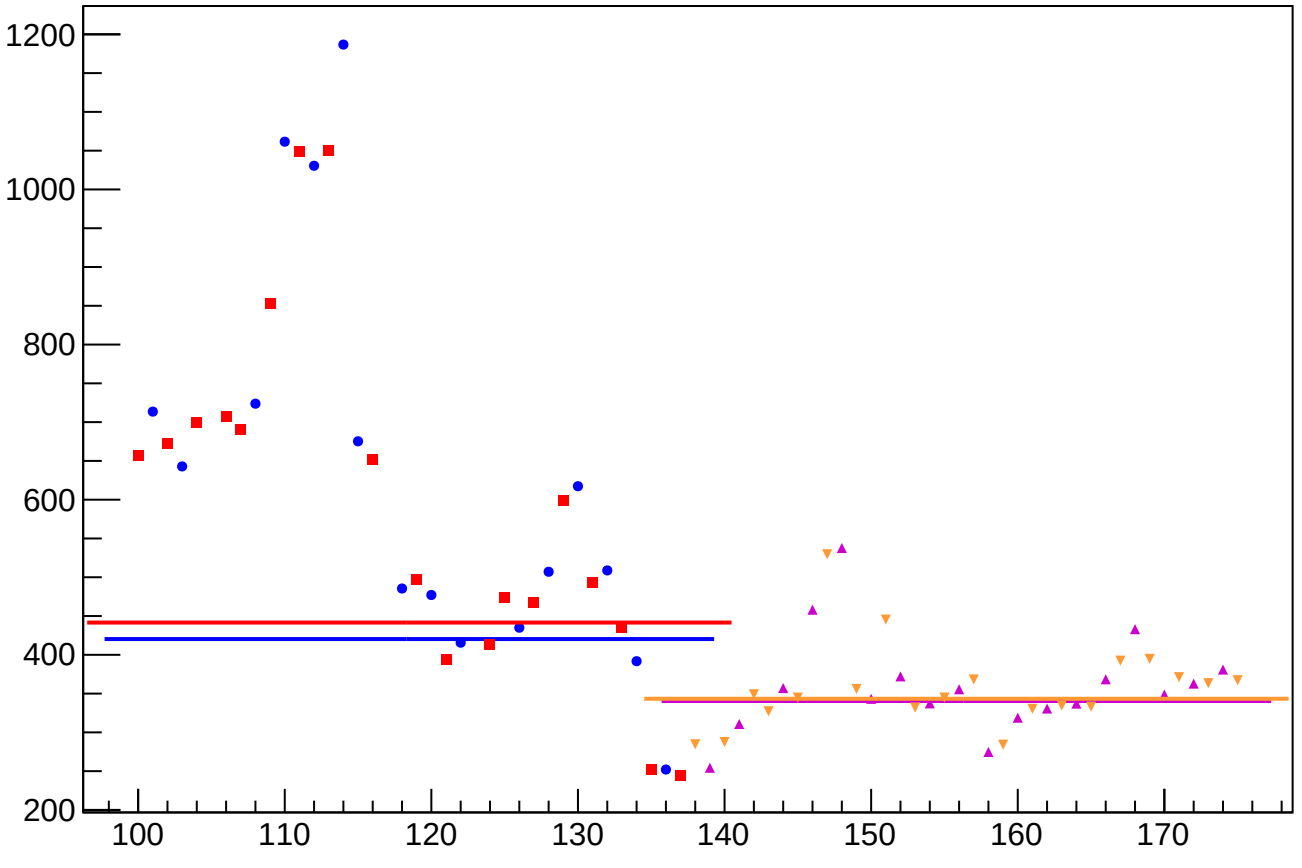
Left: 21.927+/-62.572 χ^2/NDF: 53.1/37

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -35.249+/-79.372 χ^2/NDF:44.5/33

Out: -19.323+/-78.212 χ^2/NDF:37.9/38

All: -27.169+/-55.710 χ^2/NDF: 82.4/72



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.0/19

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.460+/-0.063 χ^2/NDF:784444.2/17

Left: 341.945+/-0.044 χ^2/NDF: 1367177.9/37

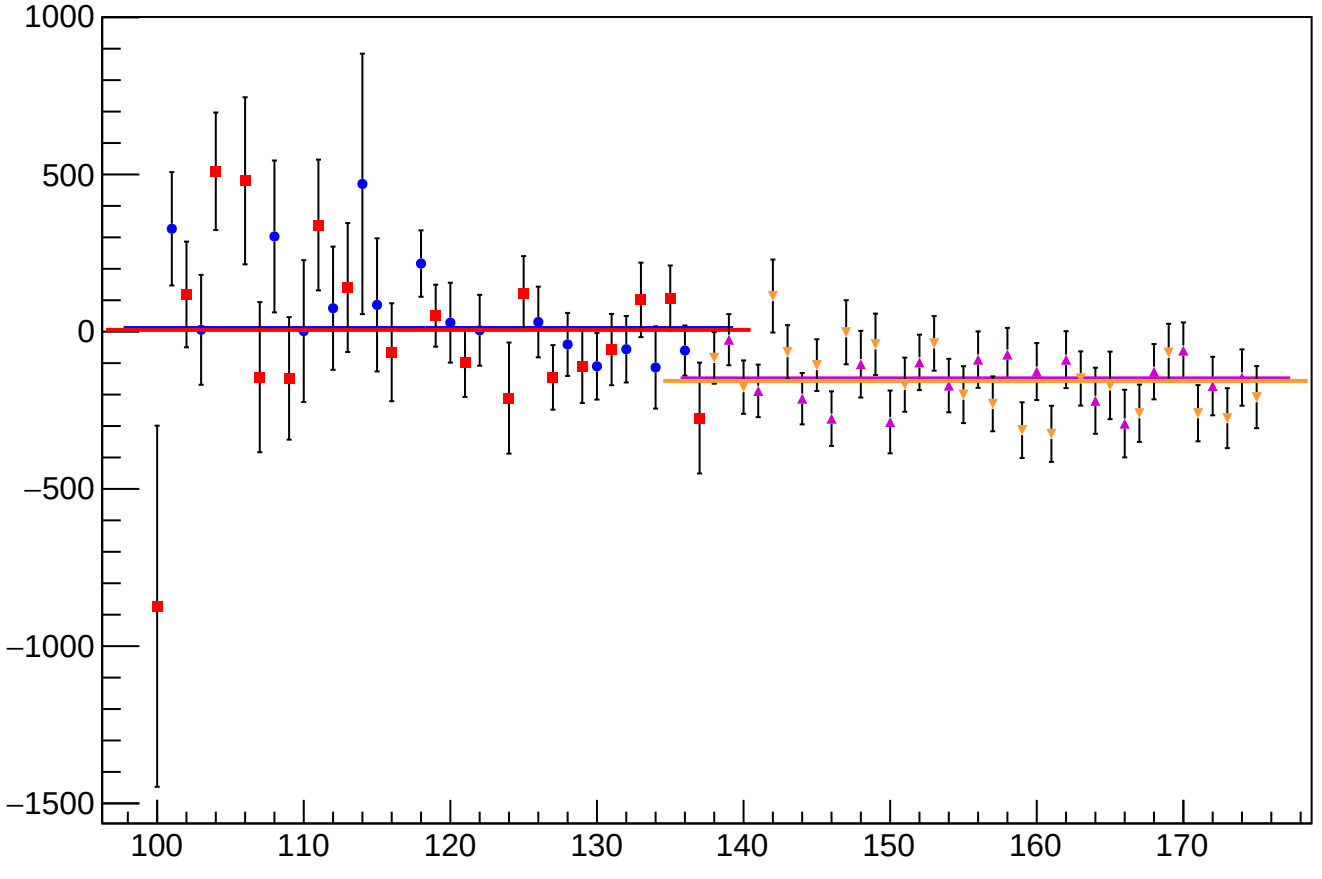
Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 357.844+/-0.056 χ^2/NDF:3383891.8/33

Out: 362.732+/-0.055 χ^2/NDF:3389022.5/38

All: 360.324+/-0.039 χ^2/NDF: 6776762.8/72

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.475+/-21.268 χ^2/NDF:12.9/17

Left: -152.644+/-14.698 χ^2/NDF: 39.4/37

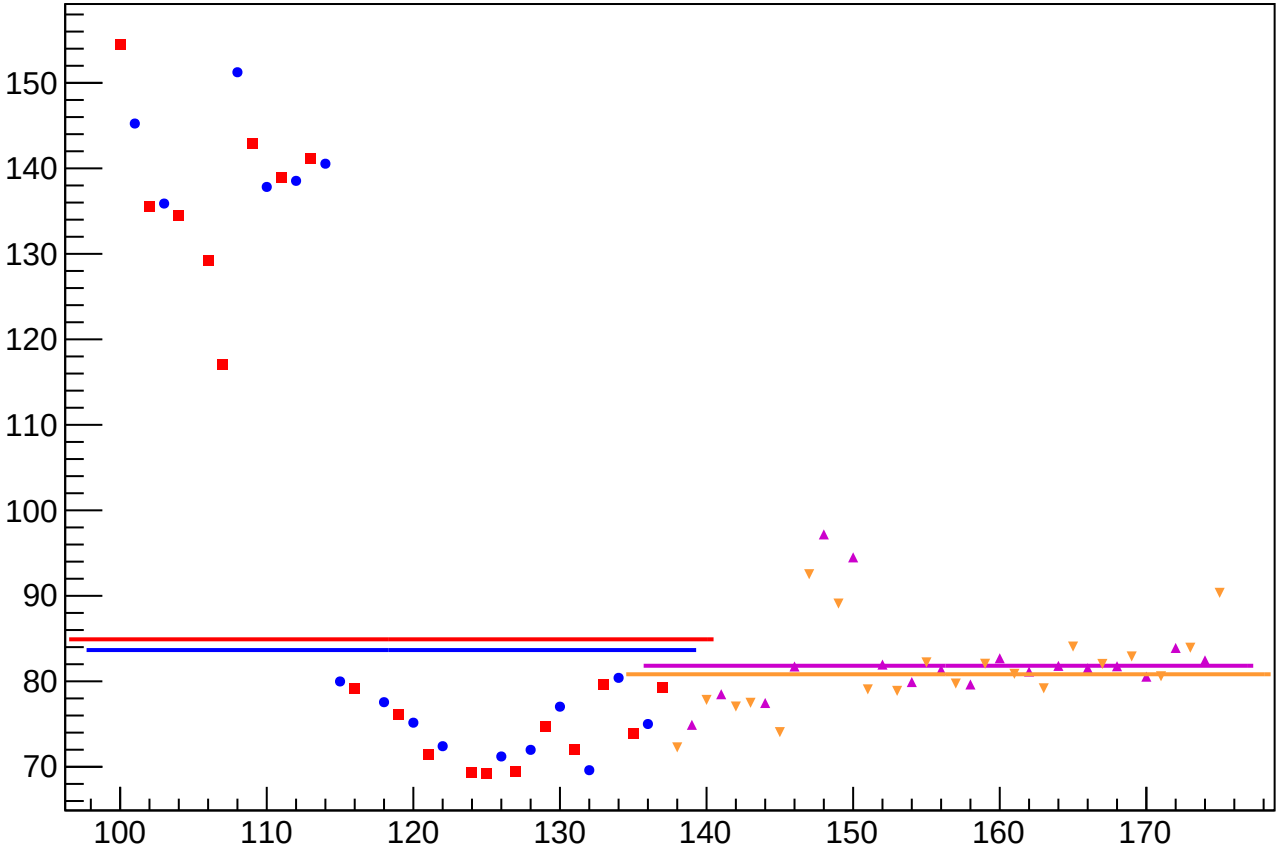
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.040+/-17.763 χ^2/NDF:43.6/33

Out: -110.684+/-17.231 χ^2/NDF:73.1/38

All: -105.524+/-12.368 χ^2/NDF: 116.9/72

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.825+/-0.014 χ^2/NDF:111391.9/19

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.1/17

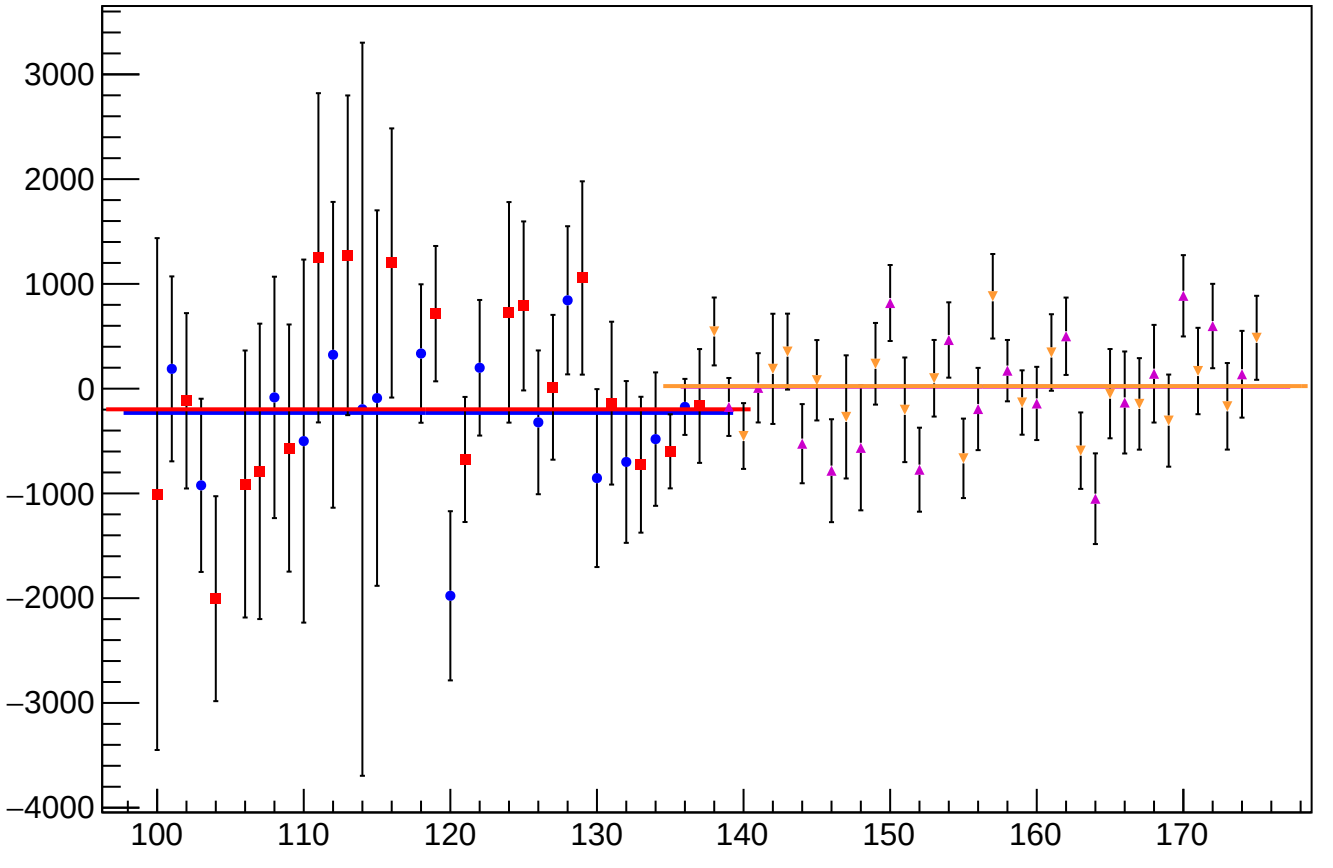
Left: 81.301+/-0.010 χ^2/NDF: 215354.6/37

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.376+/-0.013 χ^2/NDF:1140974.1/33

Out: 81.978+/-0.012 χ^2/NDF:1255858.5/38

All: 82.171+/-0.009 χ^2/NDF: 2397350.7/72



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 19.322+/-89.736 χ^2/NDF:32.4/17

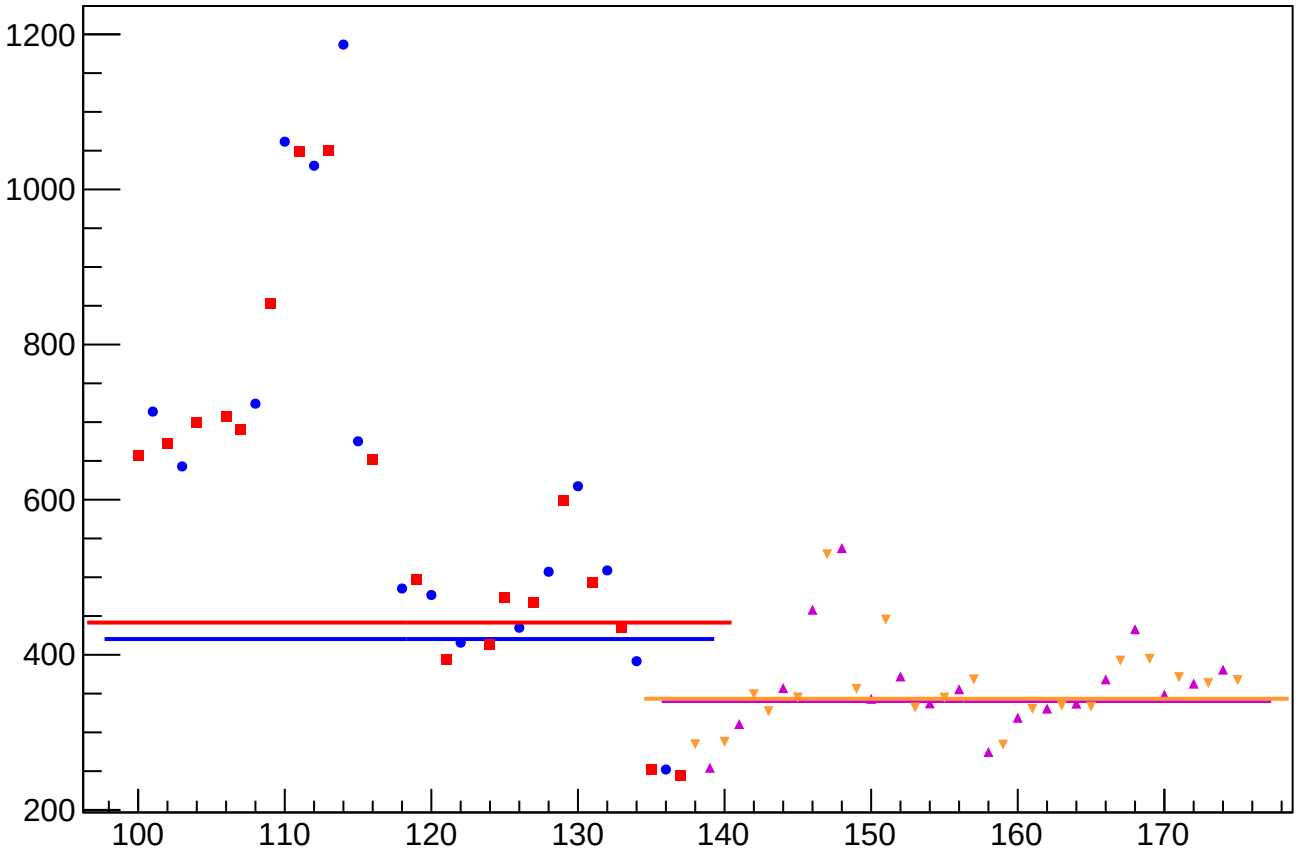
Left: 21.927+/-62.572 χ^2/NDF: 53.1/37

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -35.248+/-79.372 χ^2/NDF:44.5/33

Out: -19.323+/-78.212 χ^2/NDF:37.9/38

All: -27.169+/-55.710 χ^2/NDF: 82.4/72



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.5/19

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 340.460+/-0.063 χ^2/NDF:784446.7/17

Left: 341.945+/-0.044 χ^2/NDF: 1367180.9/37

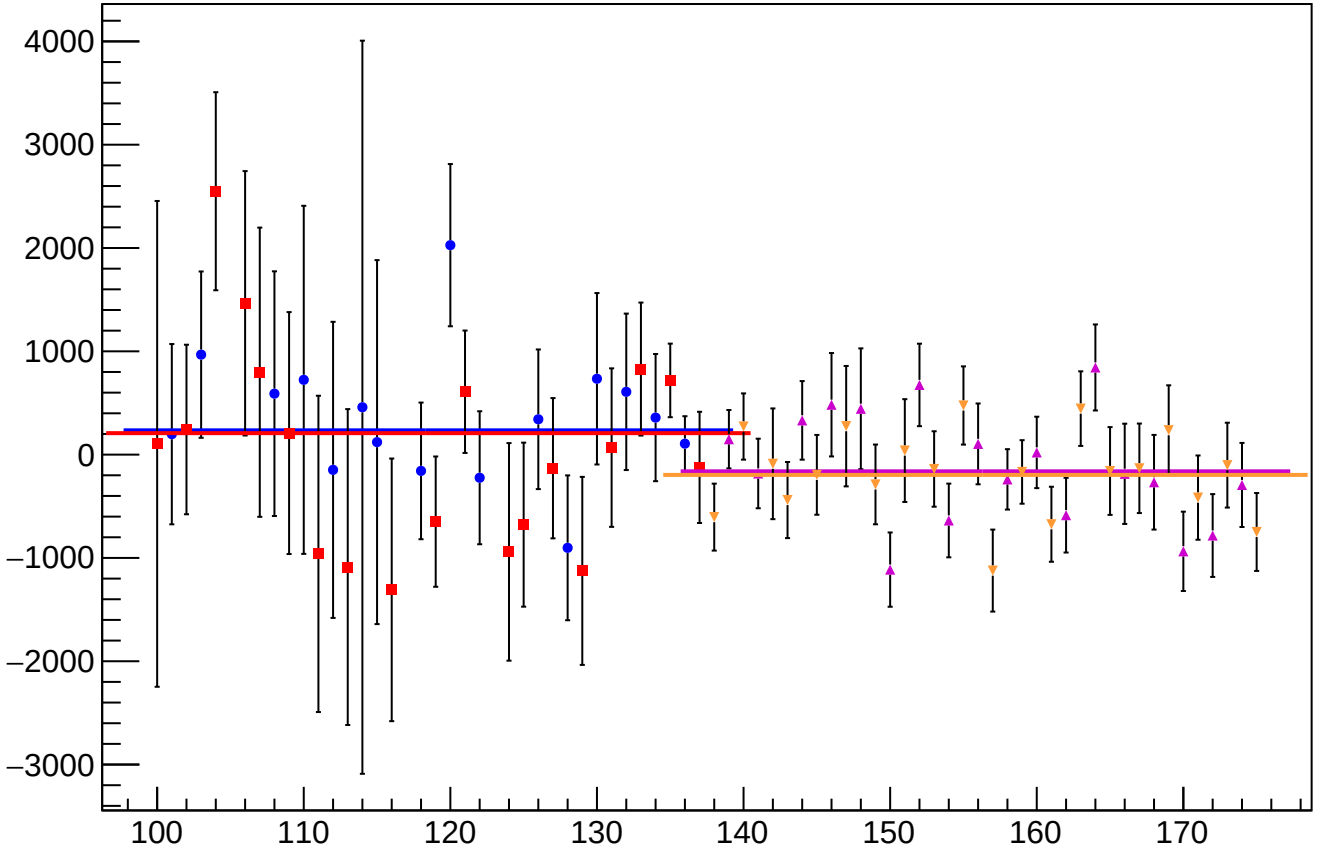
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 357.843+/-0.056 χ^2/NDF:3383895.3/33

Out: 362.731+/-0.055 χ^2/NDF:3389023.6/38

All: 360.323+/-0.039 χ^2/NDF: 6776767.5/72

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -196.264+/-86.939 χ^2/NDF:22.2/19

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -161.685+/-89.395 χ^2/NDF:33.5/17

Left: -179.456+/-62.326 χ^2/NDF: 55.7/37

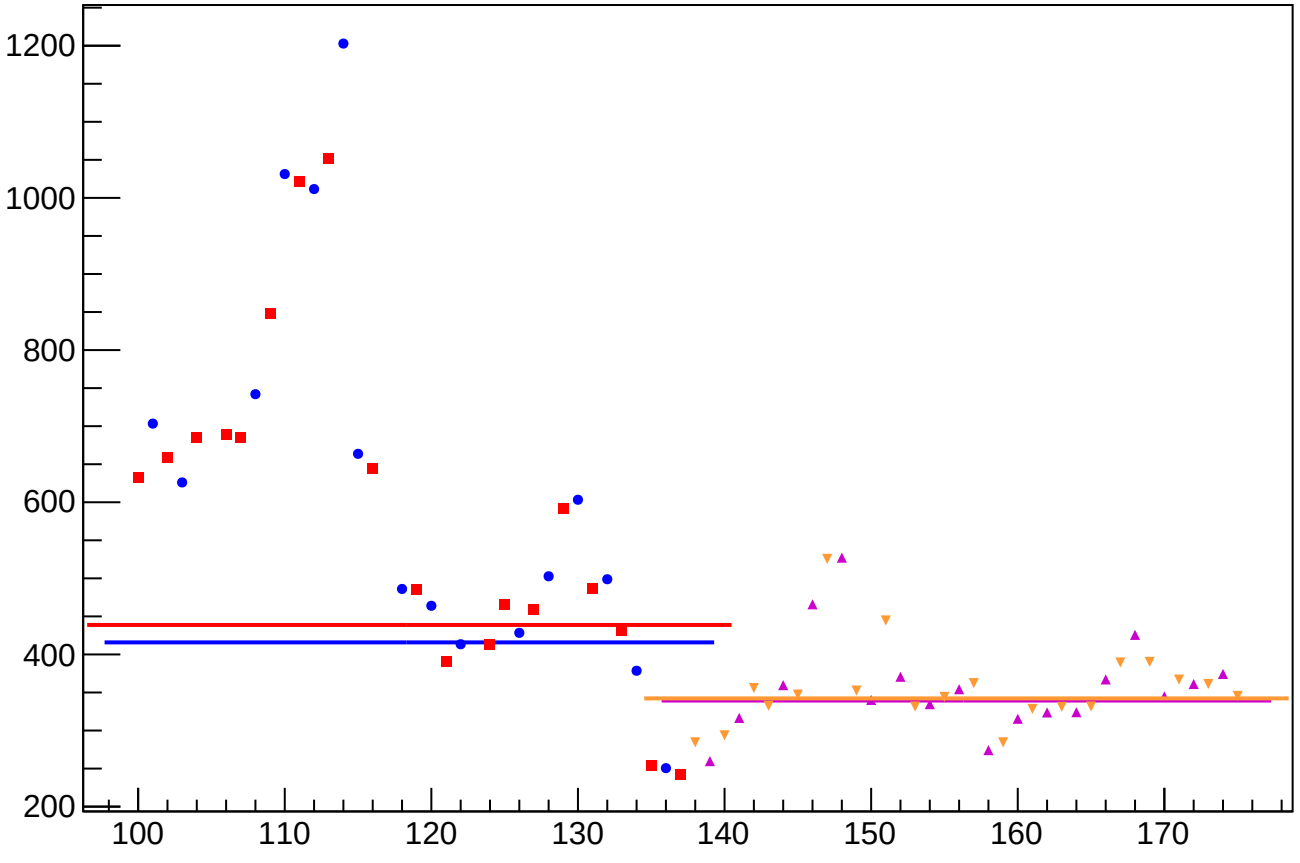
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -74.300+/-78.939 χ^2/NDF:48.5/33

Out: -116.043+/-77.835 χ^2/NDF:46.8/38

All: -95.465+/-55.424 χ^2/NDF: 95.5/72

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.238+/-0.061 χ^2/NDF:539984.8/19

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.429+/-0.063 χ^2/NDF:737148.1/17

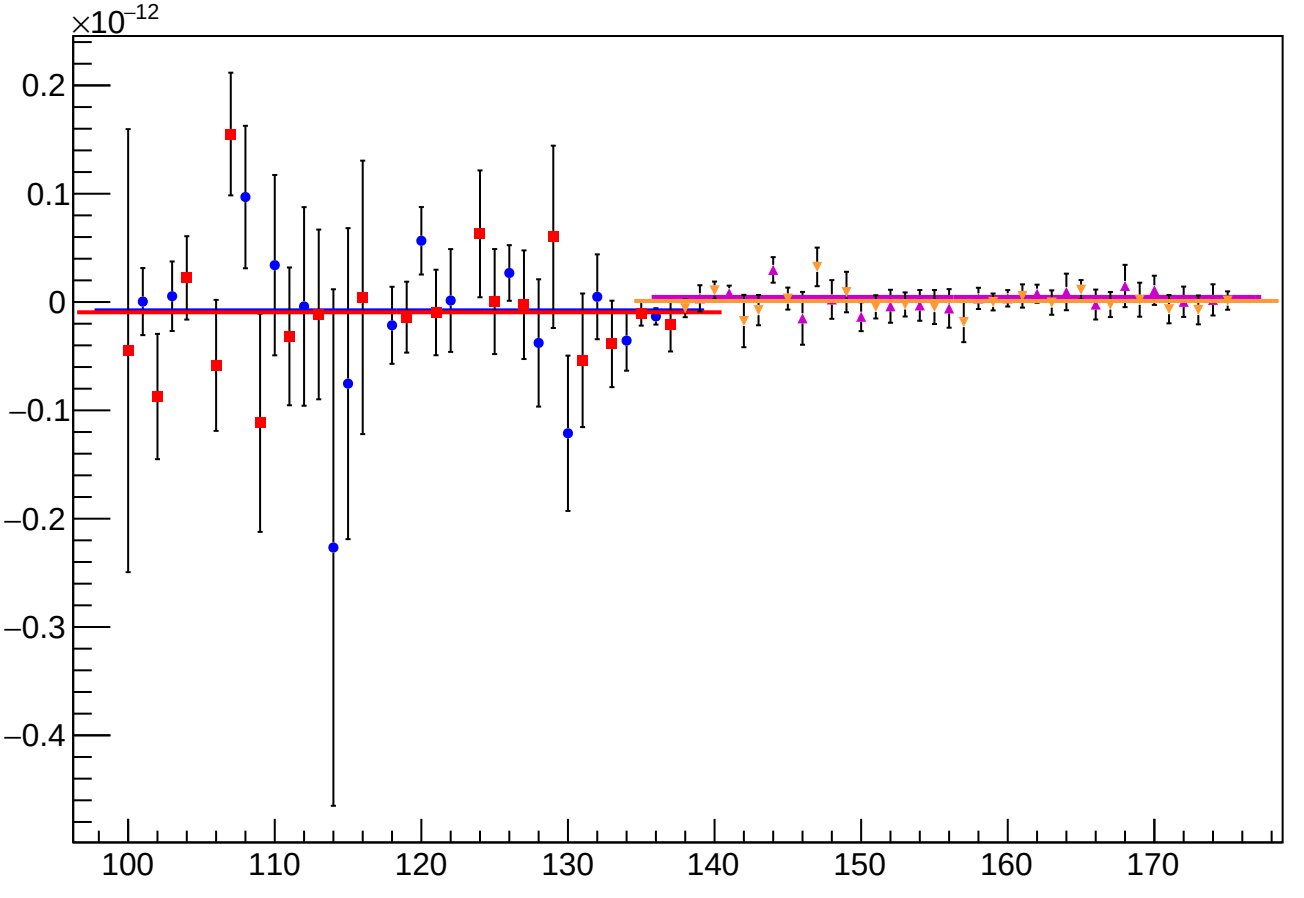
Left: 340.873+/-0.044 χ^2/NDF: 1278147.8/37

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.259+/-0.056 χ^2/NDF:3282938.2/33

Out: 361.397+/-0.055 χ^2/NDF:3264151.1/38

All: 358.864+/-0.039 χ^2/NDF: 6551385.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/17

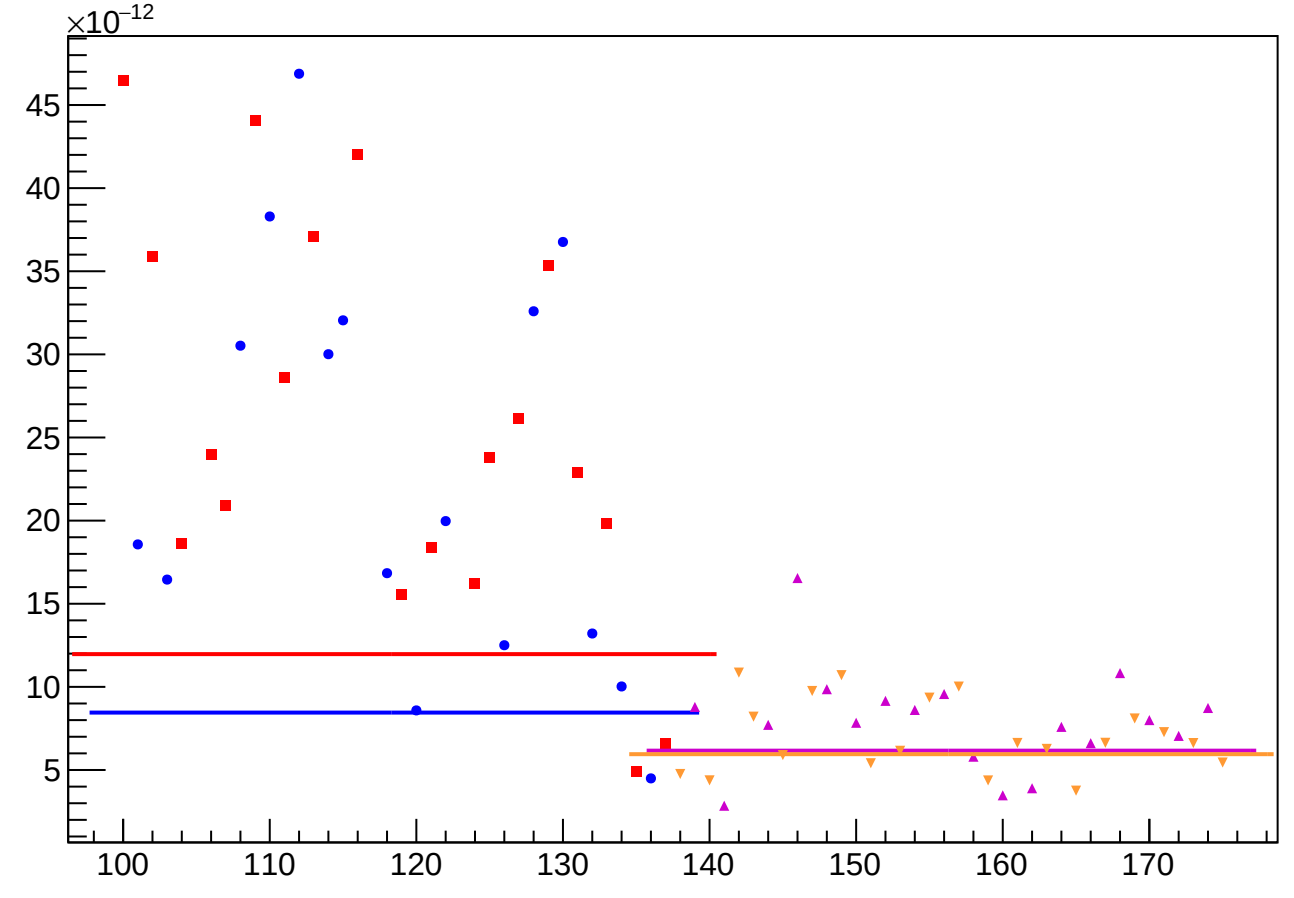
Left: 0.000+/-0.000 χ^2/NDF: 20.6/37

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.5/33

Out: 0.000+/-0.000 χ^2/NDF:28.1/38

All: 0.000+/-0.000 χ^2/NDF: 56.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:954734.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1904266.8/17

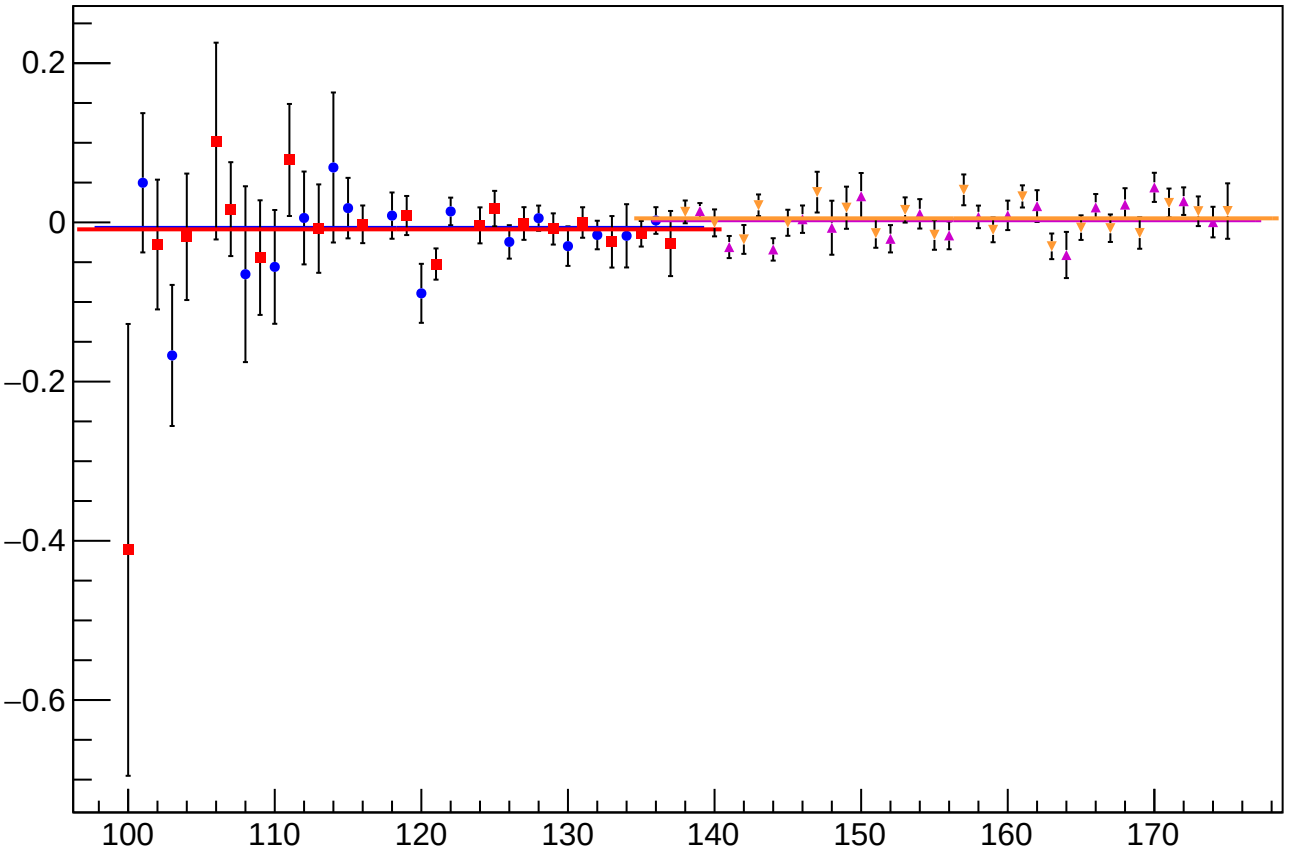
Left: 0.000+/-0.000 χ^2/NDF: 2865291.6/37

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4889025.8/33

Out: 0.000+/-0.000 χ^2/NDF:4710357.0/38

All: 0.000+/-0.000 χ^2/NDF: 9600545.3/72



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

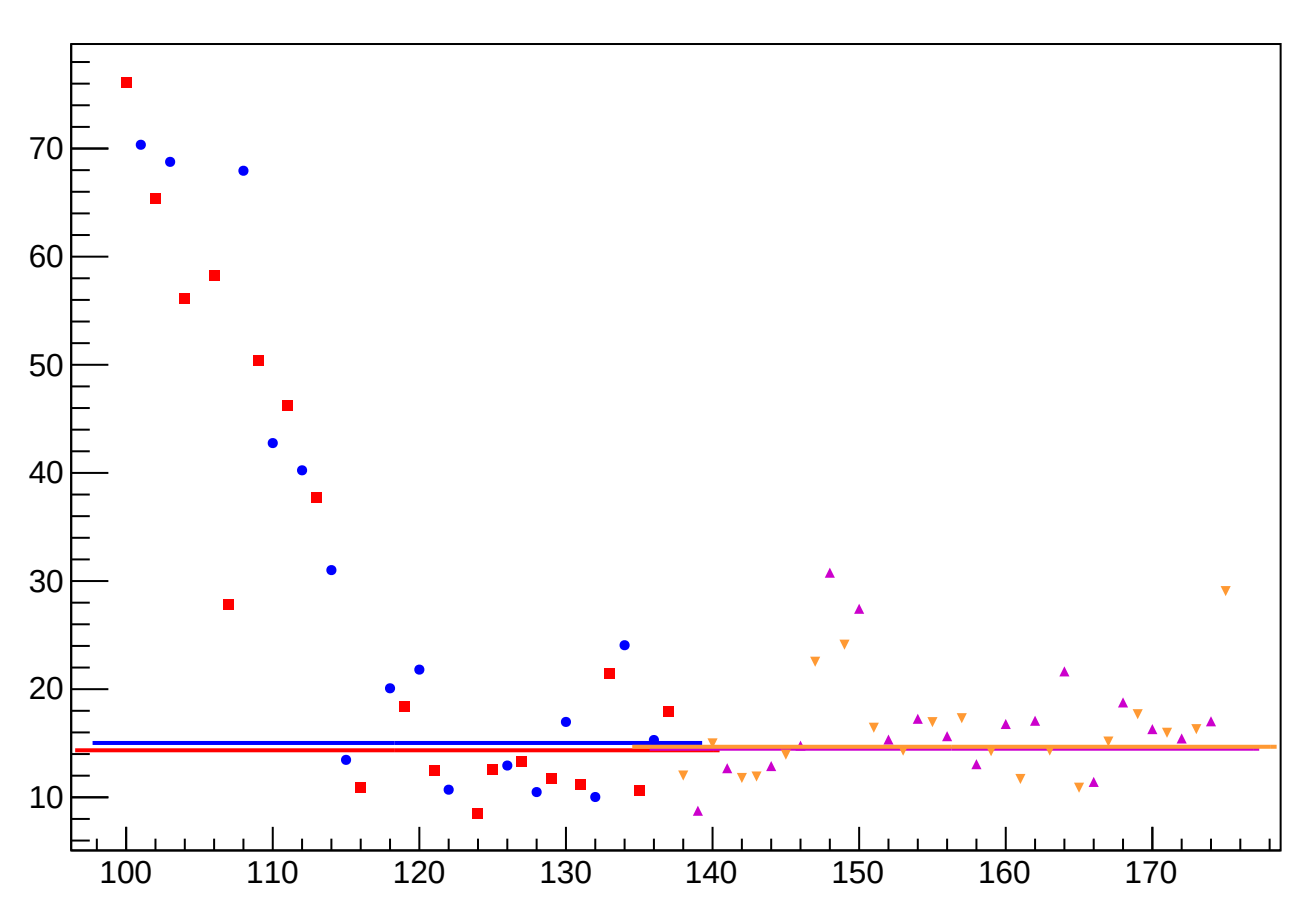
Left: 0.004+/-0.003 χ^2/NDF: 55.8/37

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.2/72



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

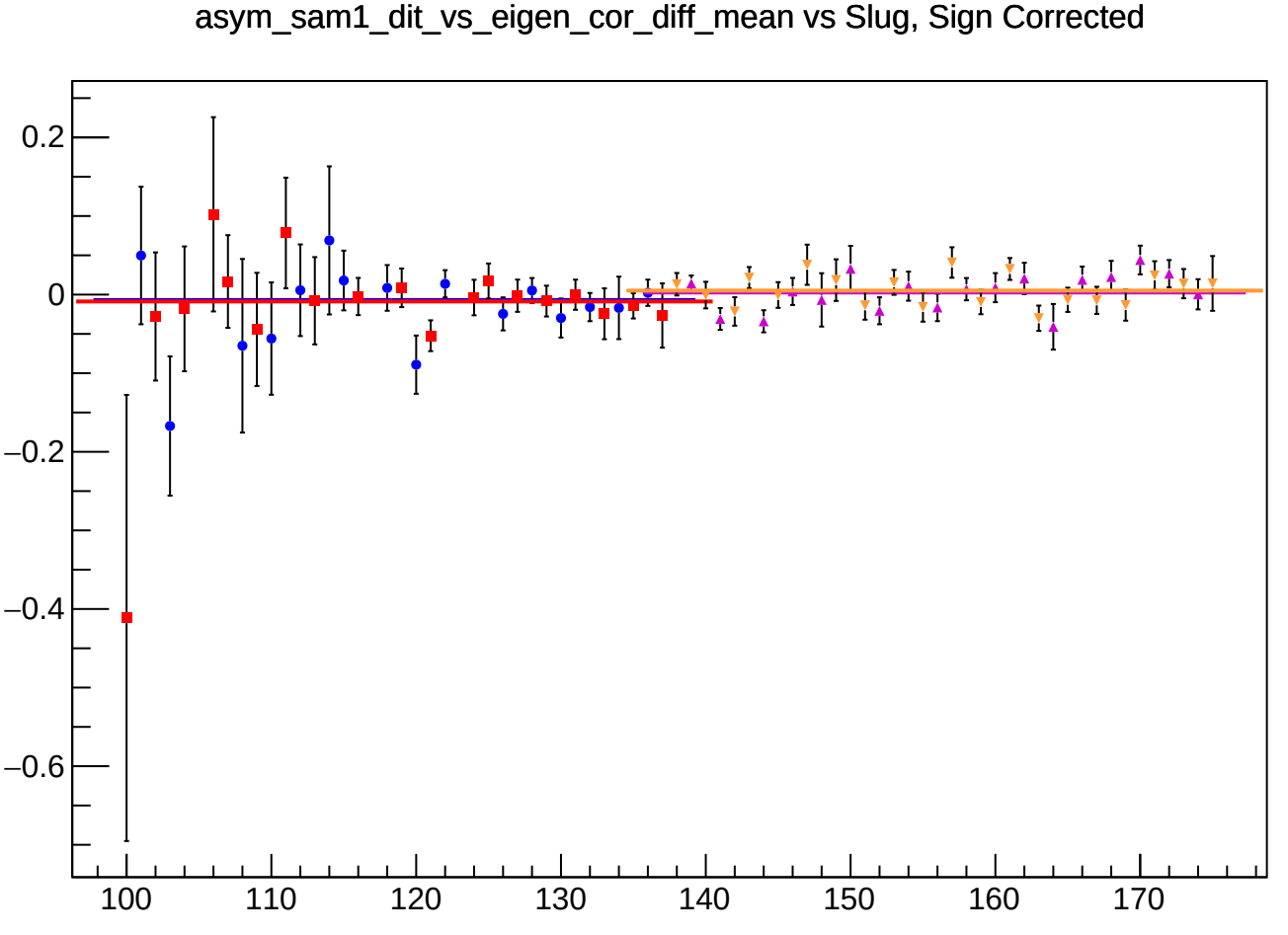
Left: 14.587+/-0.002 χ^2/NDF: 3414148.9/37

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.634+/-0.002 χ^2/NDF:5495059.4/33

Out: 14.586+/-0.002 χ^2/NDF:4997283.6/38

All: 14.609+/-0.002 χ^2/NDF: 10492543.7/72



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

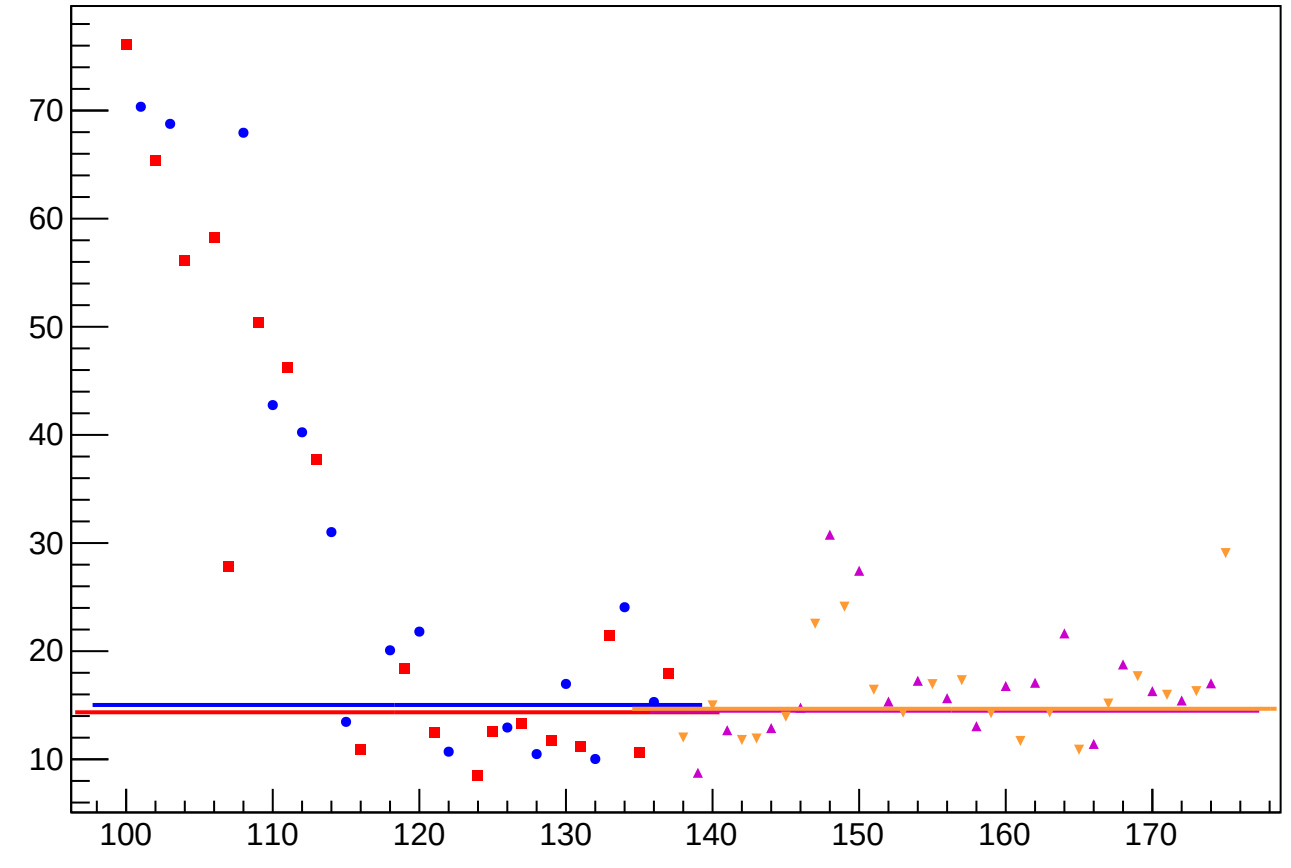
Left: 0.004+/-0.003 χ^2/NDF: 55.8/37

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.2/72



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

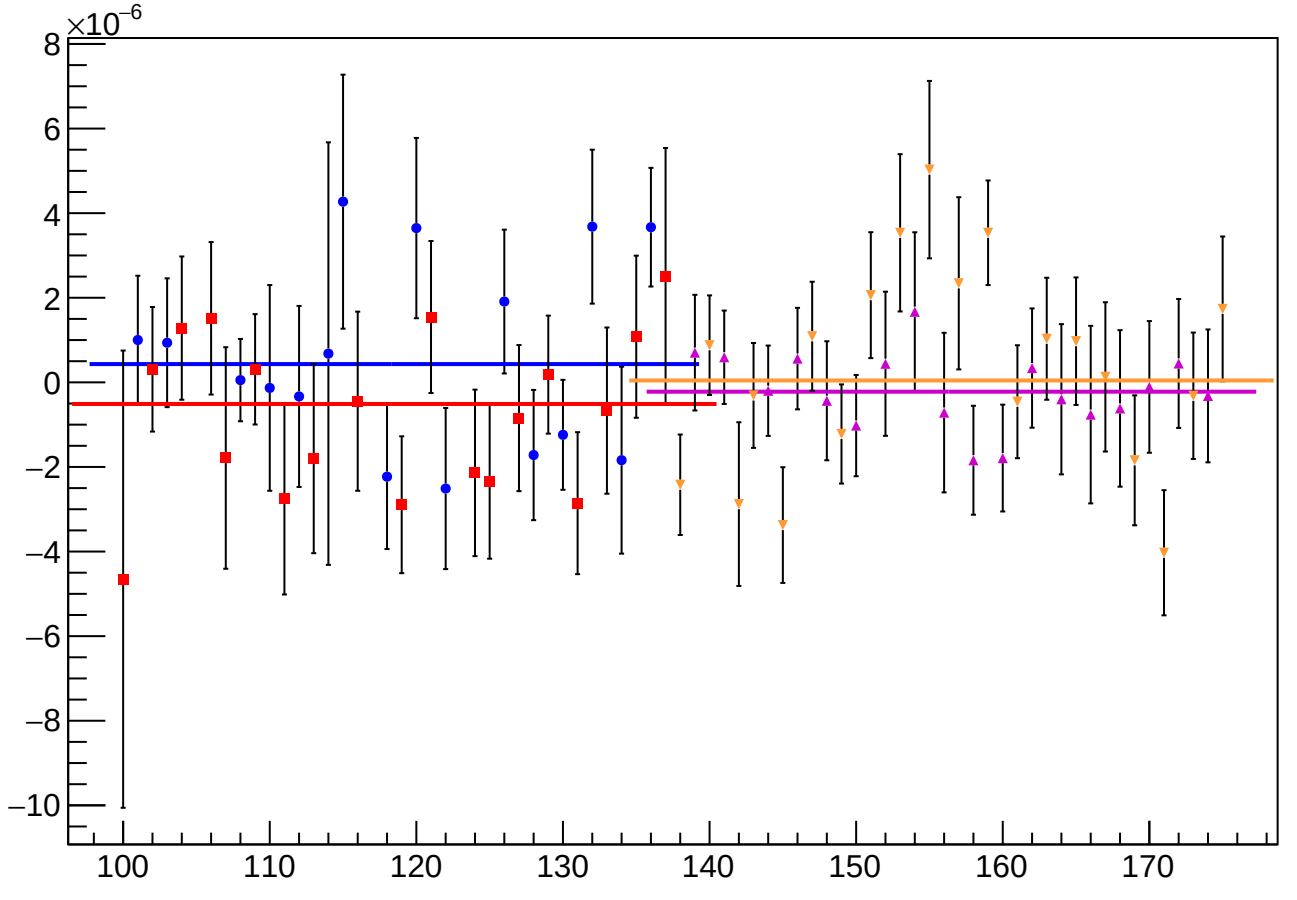
Left: 14.587+/-0.002 χ^2/NDF: 3414148.9/37

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.634+/-0.002 χ^2/NDF:5495059.4/33

Out: 14.586+/-0.002 χ^2/NDF:4997283.6/38

All: 14.609+/-0.002 χ^2/NDF: 10492543.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.6/19

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

Left In: -0.000+/-0.000 χ^2/NDF:6.7/17

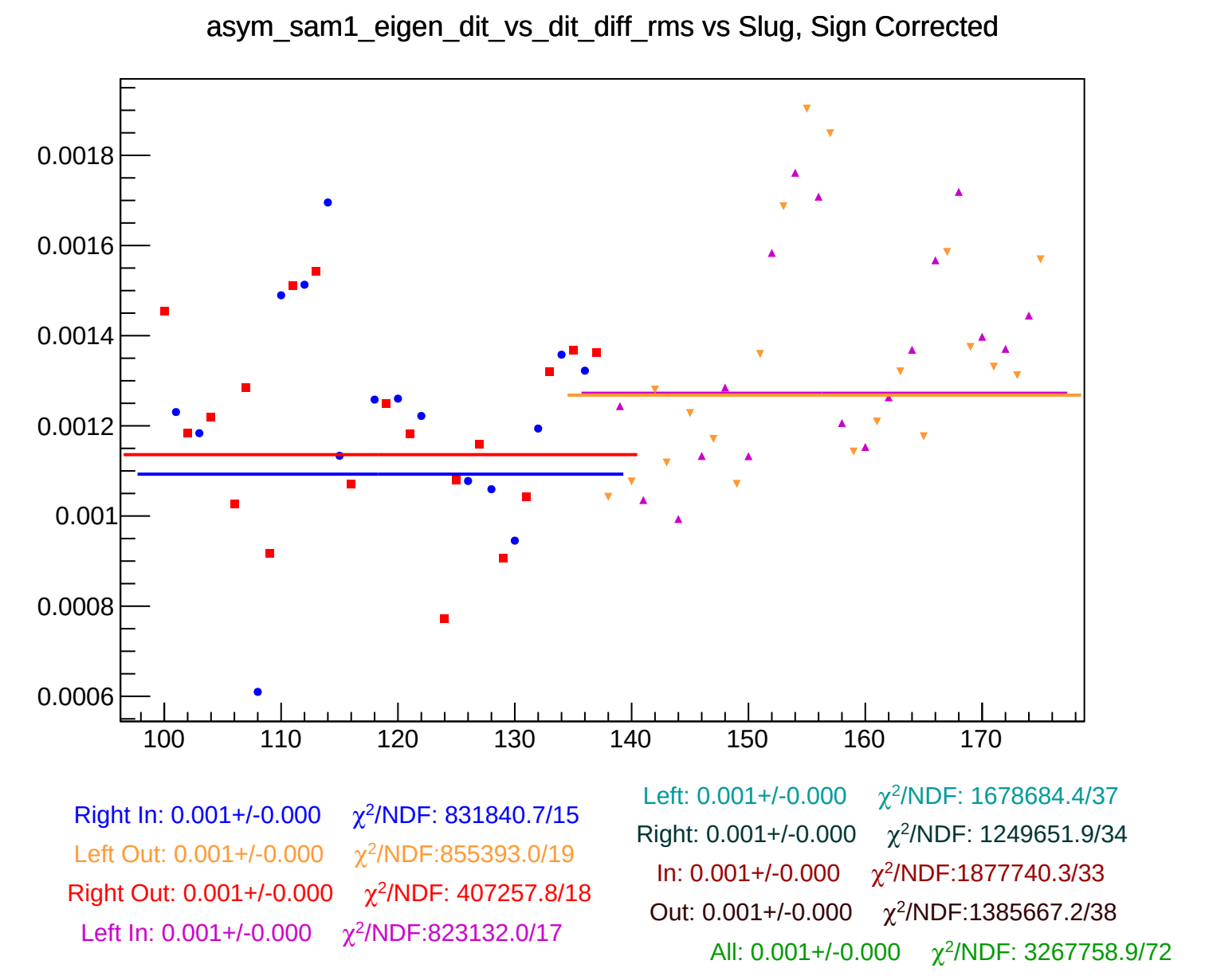
Left: -0.000+/-0.000 χ^2/NDF: 53.7/37

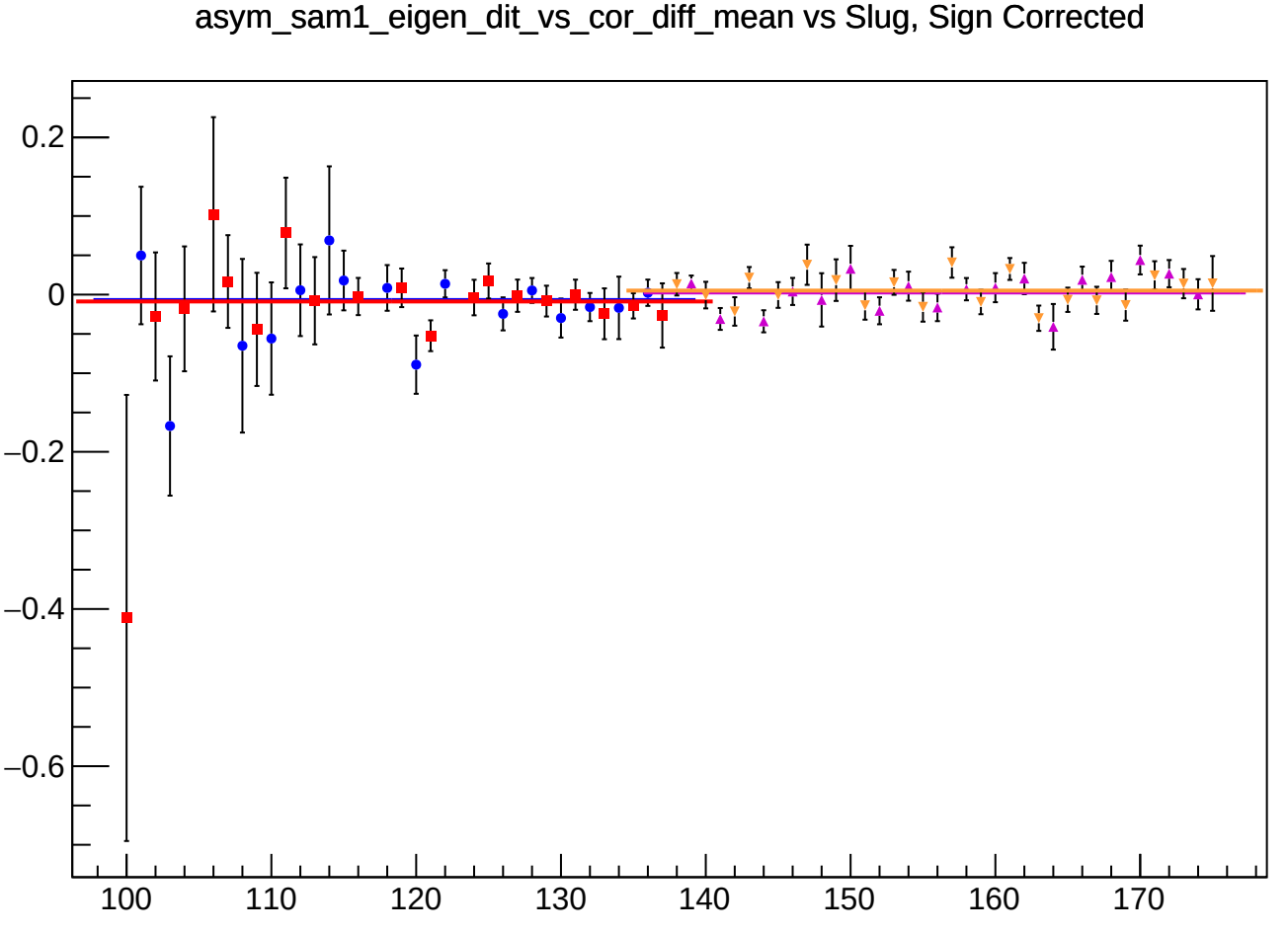
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.4/33

Out: -0.000+/-0.000 χ^2/NDF:62.0/38

All: -0.000+/-0.000 χ^2/NDF: 93.7/72


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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:855393.0/19
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:823132.0/17
Left: 0.001+/-0.000 χ²/NDF: 1678684.4/37
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1877740.3/33
Out: 0.001+/-0.000 χ²/NDF:1385667.2/38
All: 0.001+/-0.000 χ²/NDF: 3267758.9/72



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

Left: 0.004+/-0.003 χ^2/NDF: 55.8/37

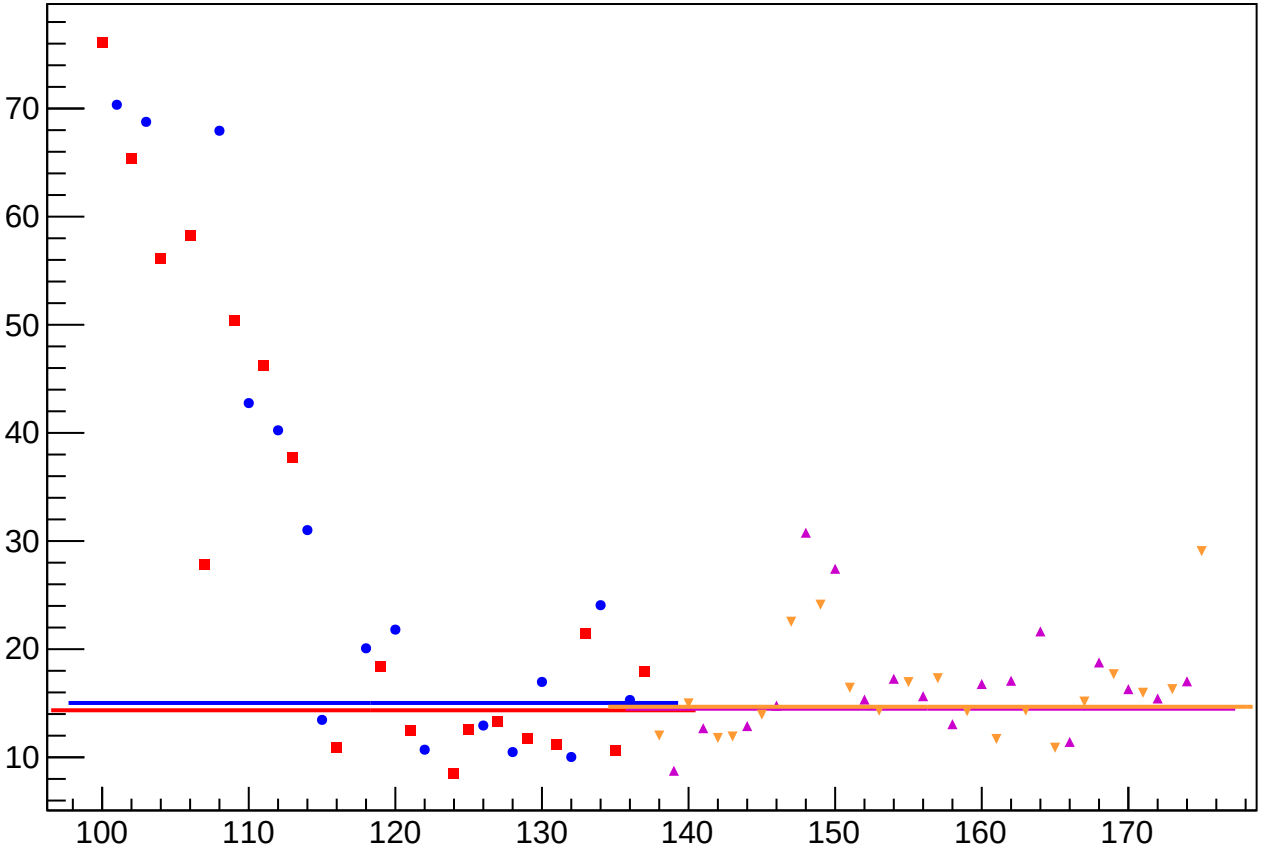
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.2/72

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

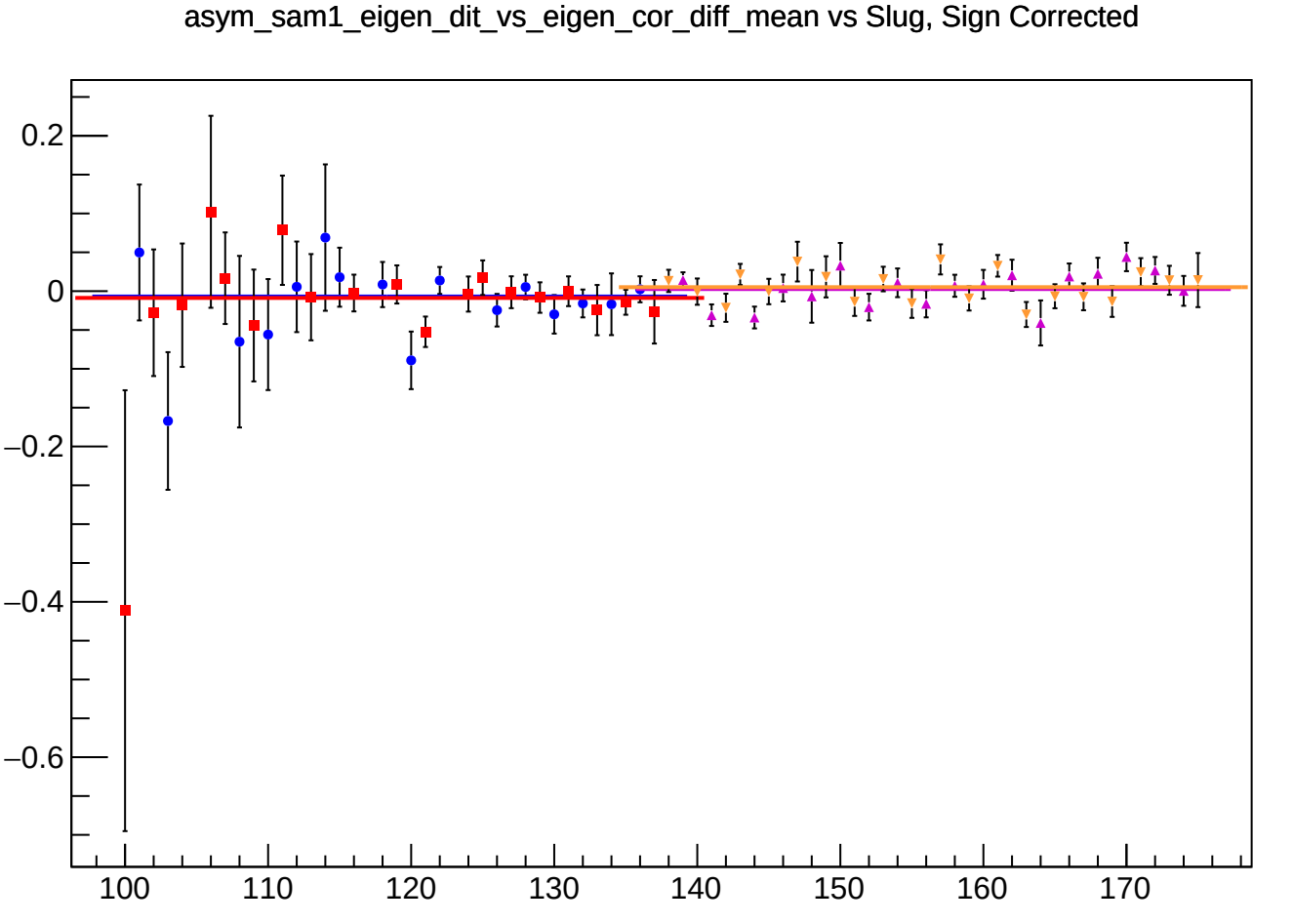
Left: 14.587+/-0.002 χ^2/NDF: 3414282.3/37

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

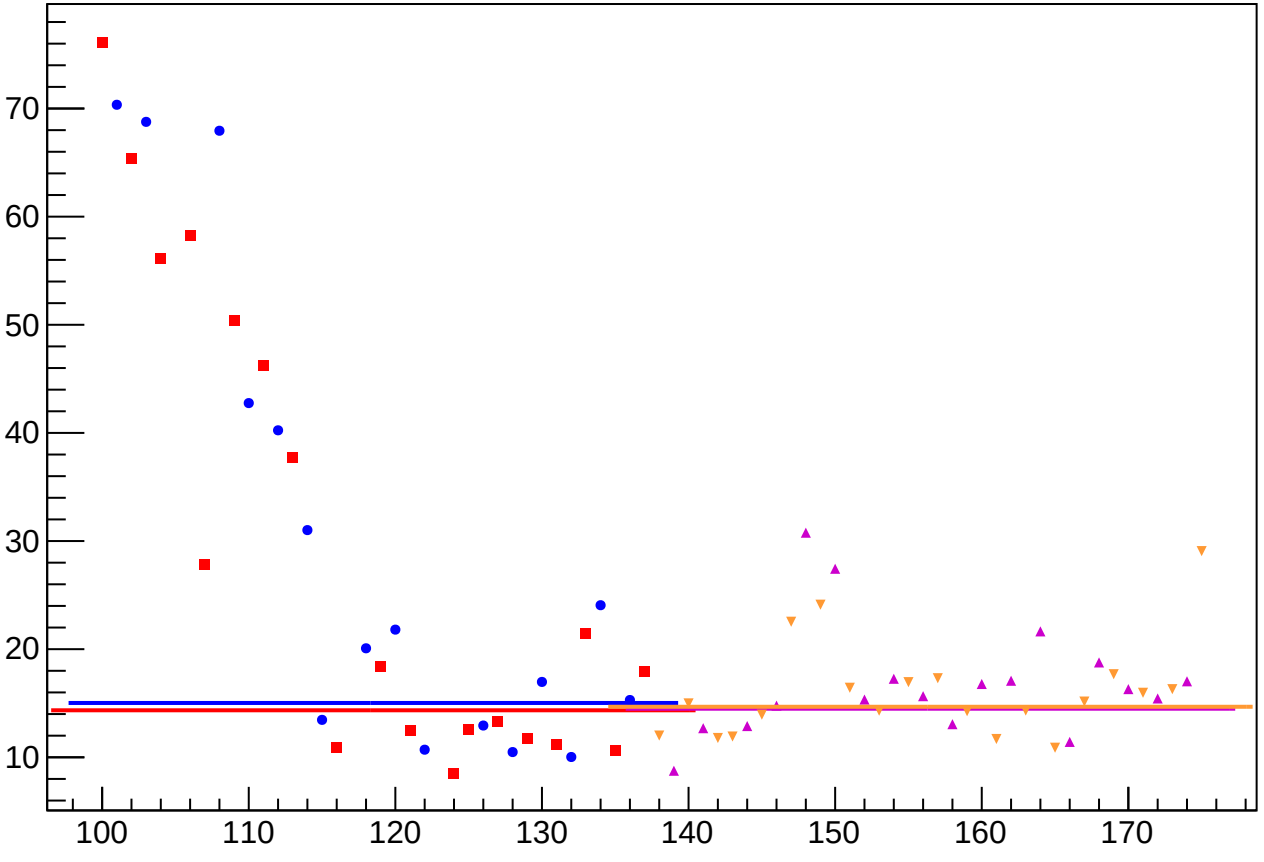
In: 14.633+/-0.002 χ^2/NDF:5495141.2/33

Out: 14.585+/-0.002 χ^2/NDF:4997340.7/38

All: 14.609+/-0.002 χ^2/NDF: 10492682.4/72


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.004 χ²/NDF:25.1/19
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: 0.003+/-0.004 χ²/NDF:30.5/17
Left: 0.004+/-0.003 χ²/NDF: 55.8/37
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: 0.000+/-0.003 χ²/NDF:47.0/33
Out: 0.001+/-0.003 χ²/NDF:41.2/38
All: 0.001+/-0.002 χ²/NDF: 88.2/72

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

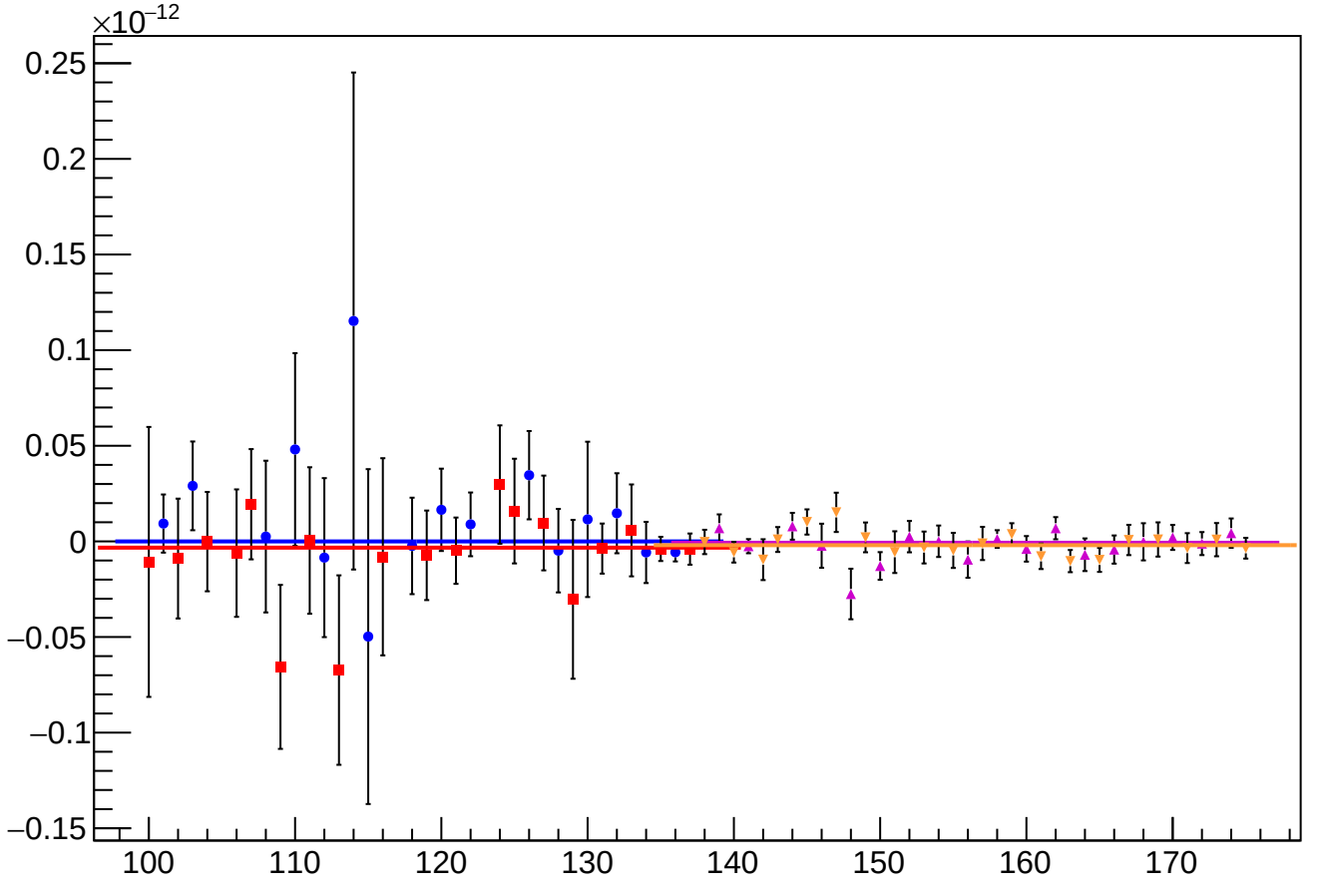
Left: 14.587+/-0.002 χ^2/NDF: 3414282.3/37

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.633+/-0.002 χ^2/NDF:5495141.2/33

Out: 14.585+/-0.002 χ^2/NDF:4997340.7/38

All: 14.609+/-0.002 χ^2/NDF: 10492682.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

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

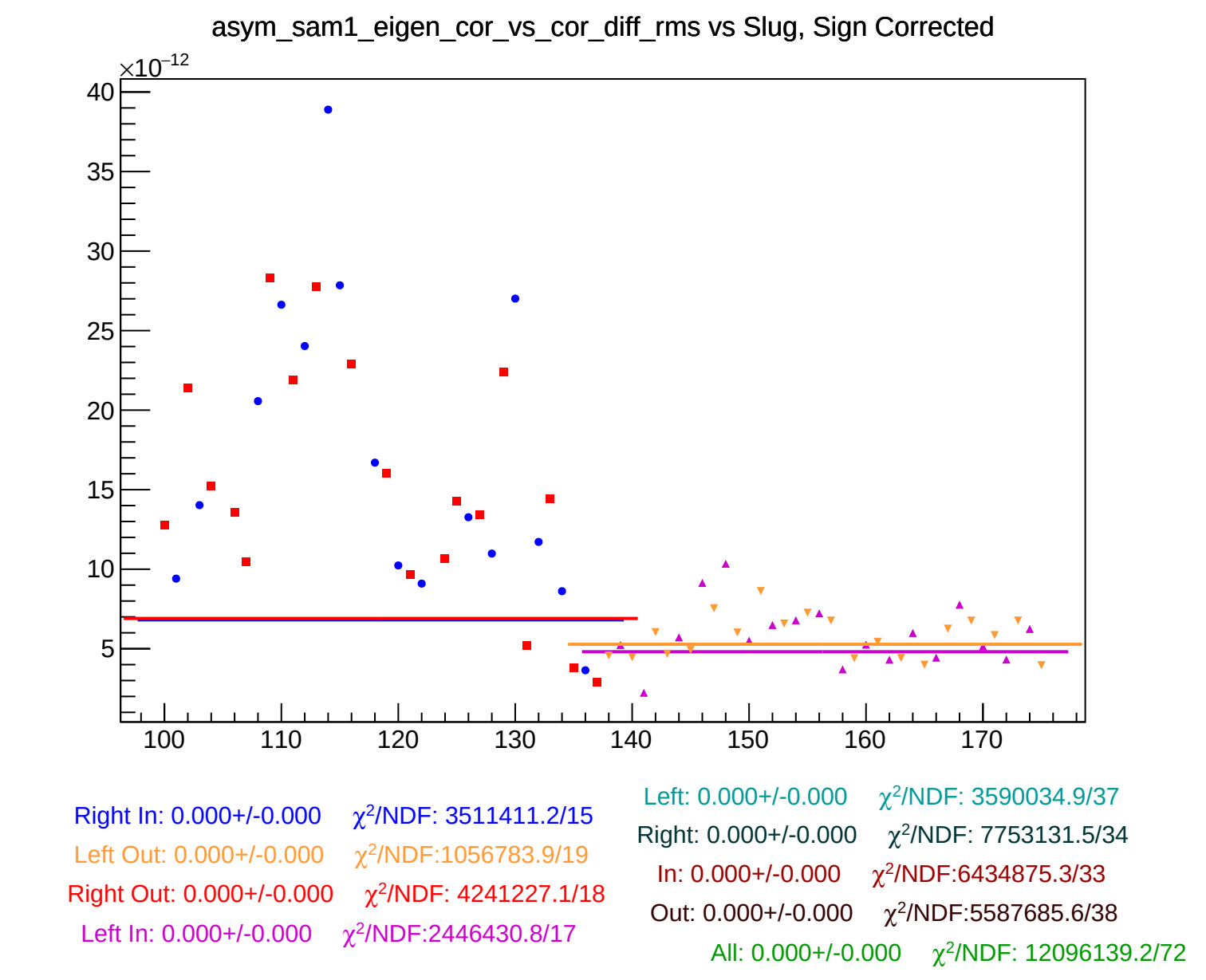
Left: -0.000+/-0.000 χ^2/NDF: 28.4/37

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

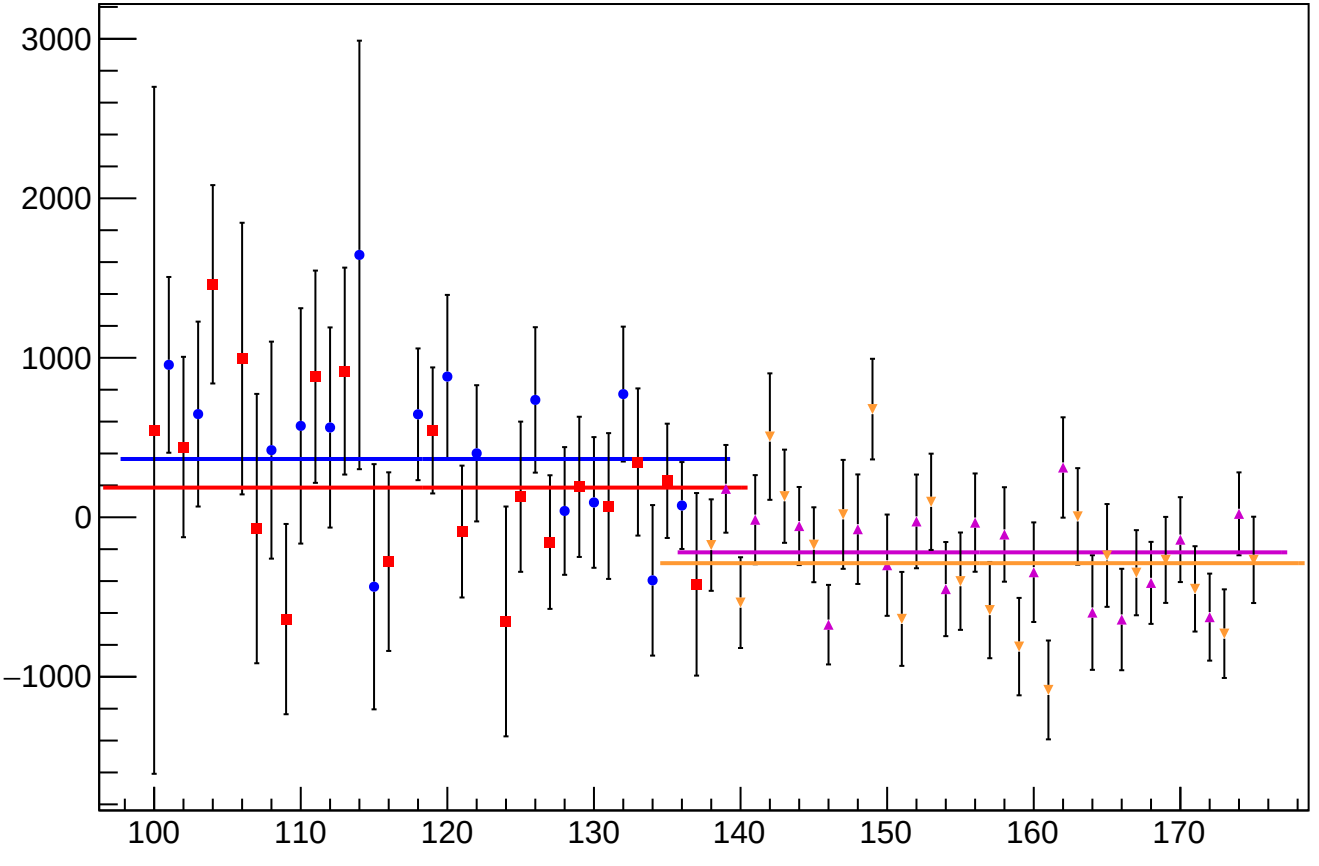
In: -0.000+/-0.000 χ^2/NDF:23.7/33

Out: -0.000+/-0.000 χ^2/NDF:20.8/38

All: -0.000+/-0.000 χ^2/NDF: 45.0/72


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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:1056783.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2446430.8/17
Left: 0.000+/-0.000 χ²/NDF: 3590034.9/37
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6434875.3/33
Out: 0.000+/-0.000 χ²/NDF:5587685.6/38
All: 0.000+/-0.000 χ²/NDF: 12096139.2/72

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.705+/-65.429 χ^2/NDF:34.9/19

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -219.859+/-67.780 χ^2/NDF:17.8/17

Left: -254.979+/-47.074 χ^2/NDF: 53.3/37

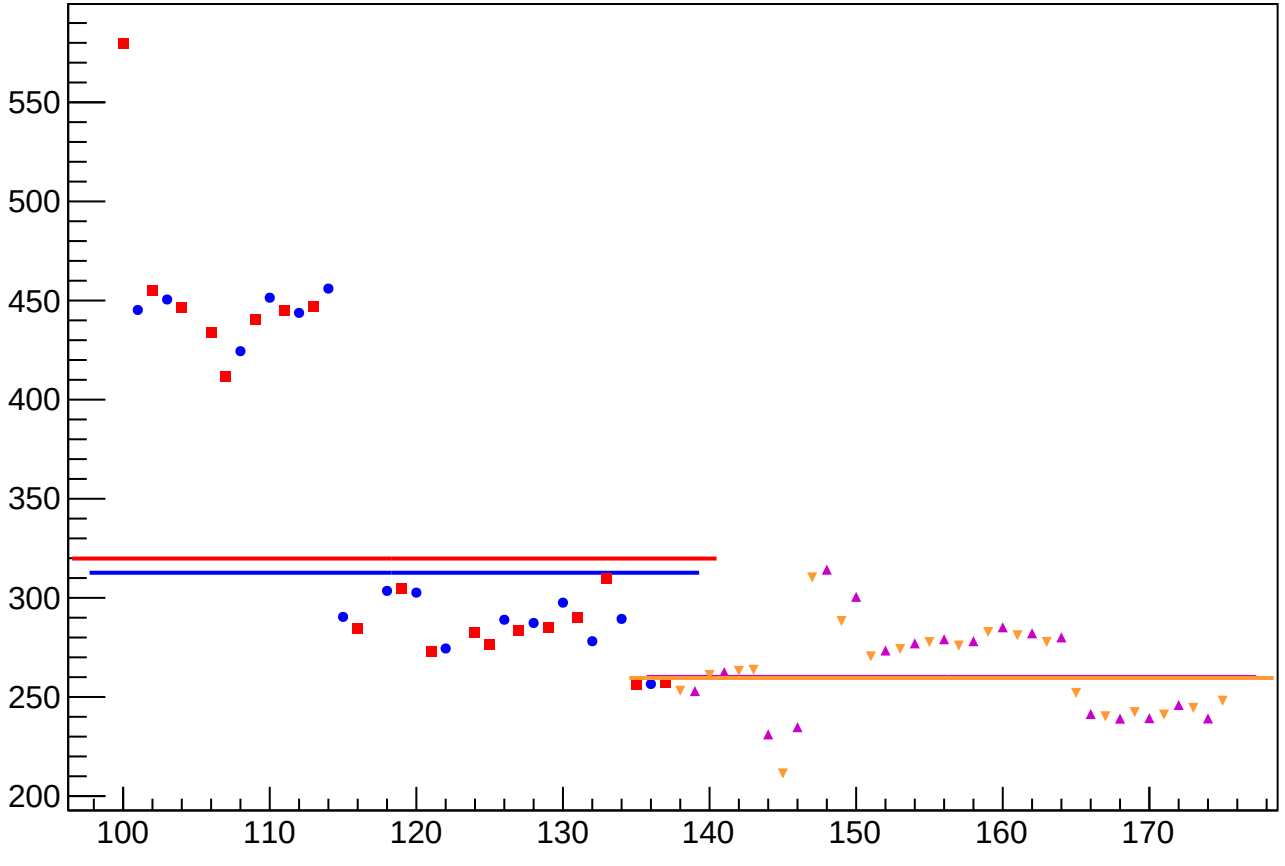
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -76.232+/-58.881 χ^2/NDF:47.6/33

Out: -179.380+/-57.465 χ^2/NDF:61.9/38

All: -129.061+/-41.125 χ^2/NDF: 111.1/72

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

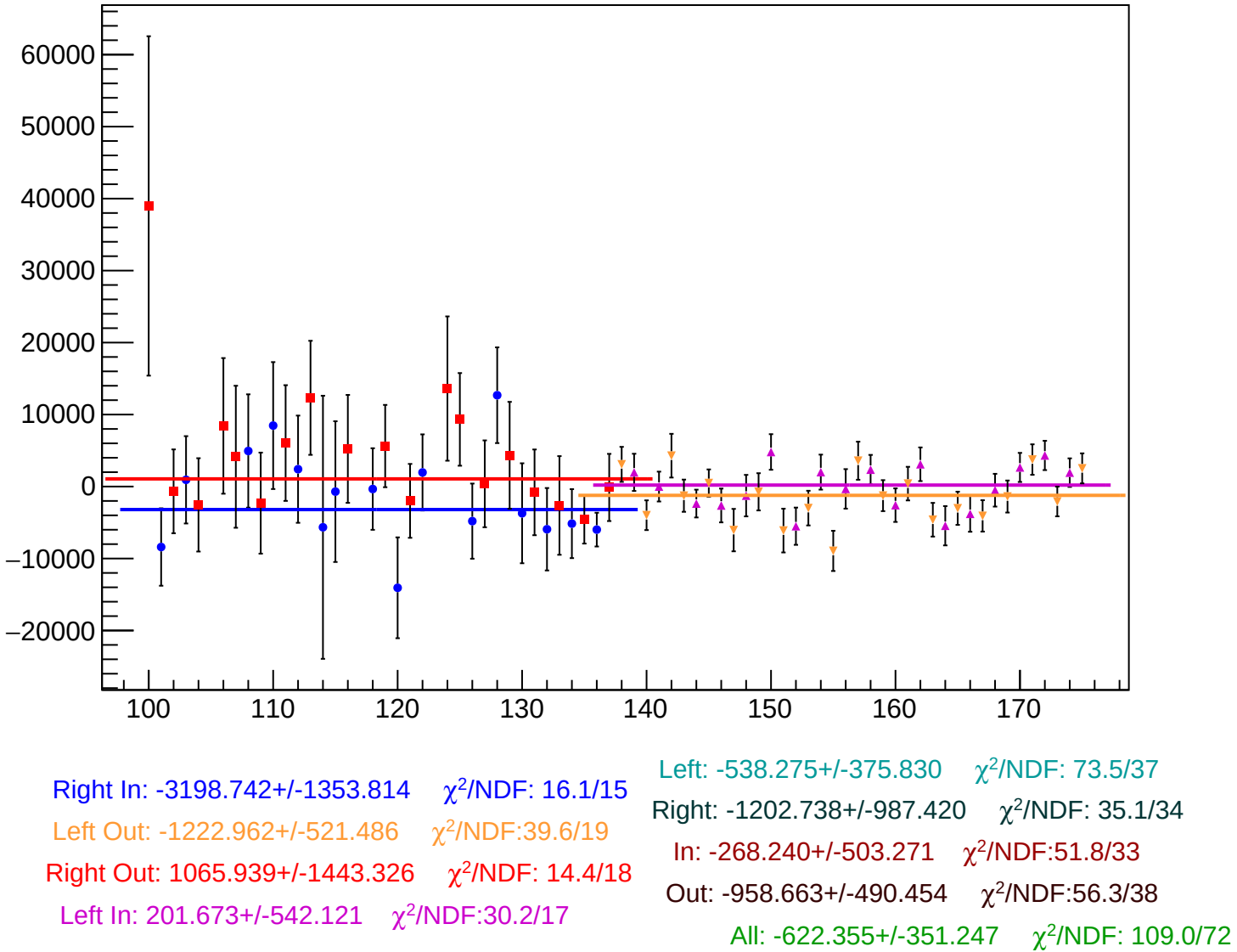
Left: 259.836+/-0.033 χ^2/NDF: 471668.8/37

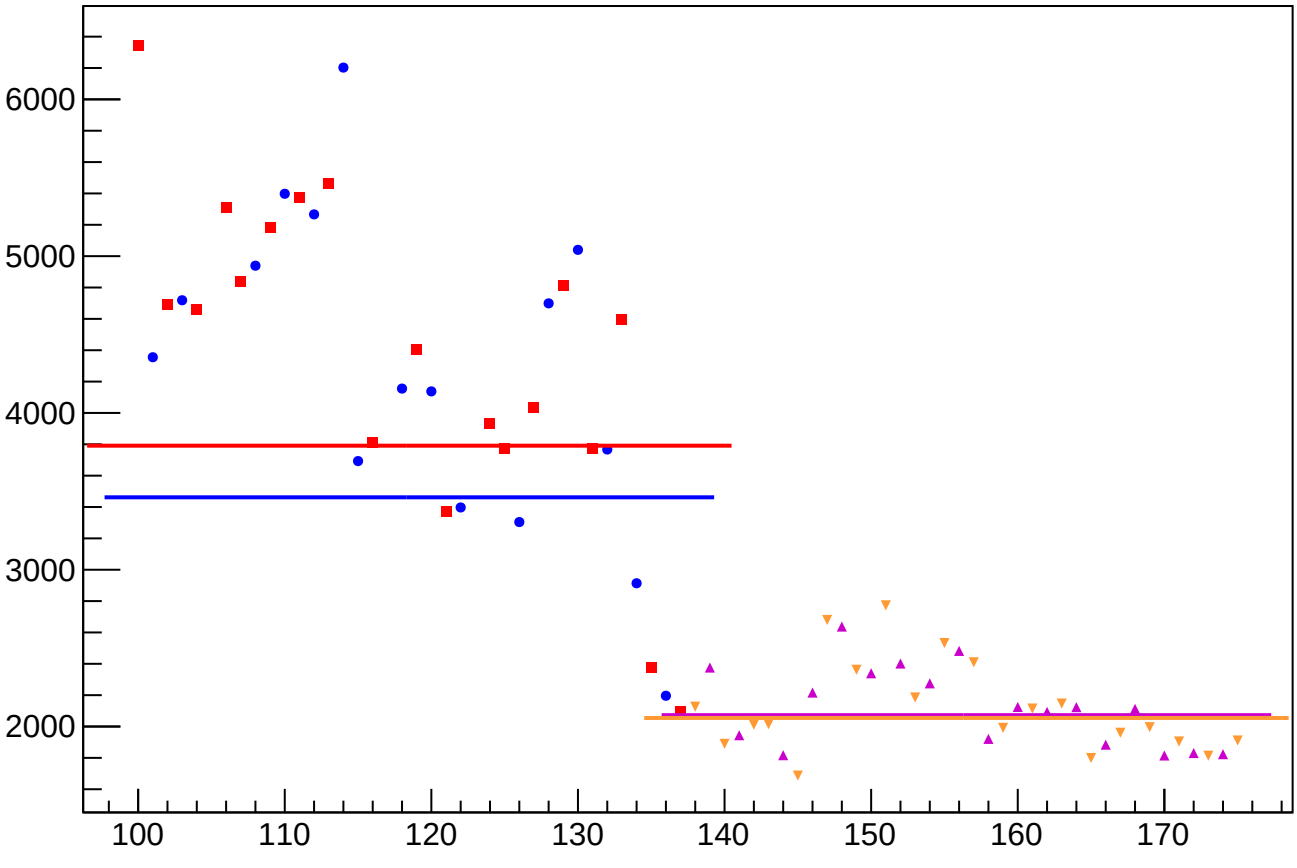
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 273.011+/-0.042 χ^2/NDF:1135101.3/33

Out: 273.354+/-0.041 χ^2/NDF:1319644.6/38

All: 273.186+/-0.029 χ^2/NDF: 2454780.6/72


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -1222.962+/-521.486 χ²/NDF:39.6/19
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: 201.673+/-542.121 χ²/NDF:30.2/17
Left: -538.275+/-375.830 χ²/NDF: 73.5/37
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -268.240+/-503.271 χ²/NDF:51.8/33
Out: -958.663+/-490.454 χ²/NDF:56.3/38
All: -622.355+/-351.247 χ²/NDF: 109.0/72



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2054.595+/-0.369 χ^2/NDF:503640.9/19

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2072.510+/-0.383 χ^2/NDF:385861.3/17

Left: 2063.205+/-0.266 χ^2/NDF: 890636.5/37

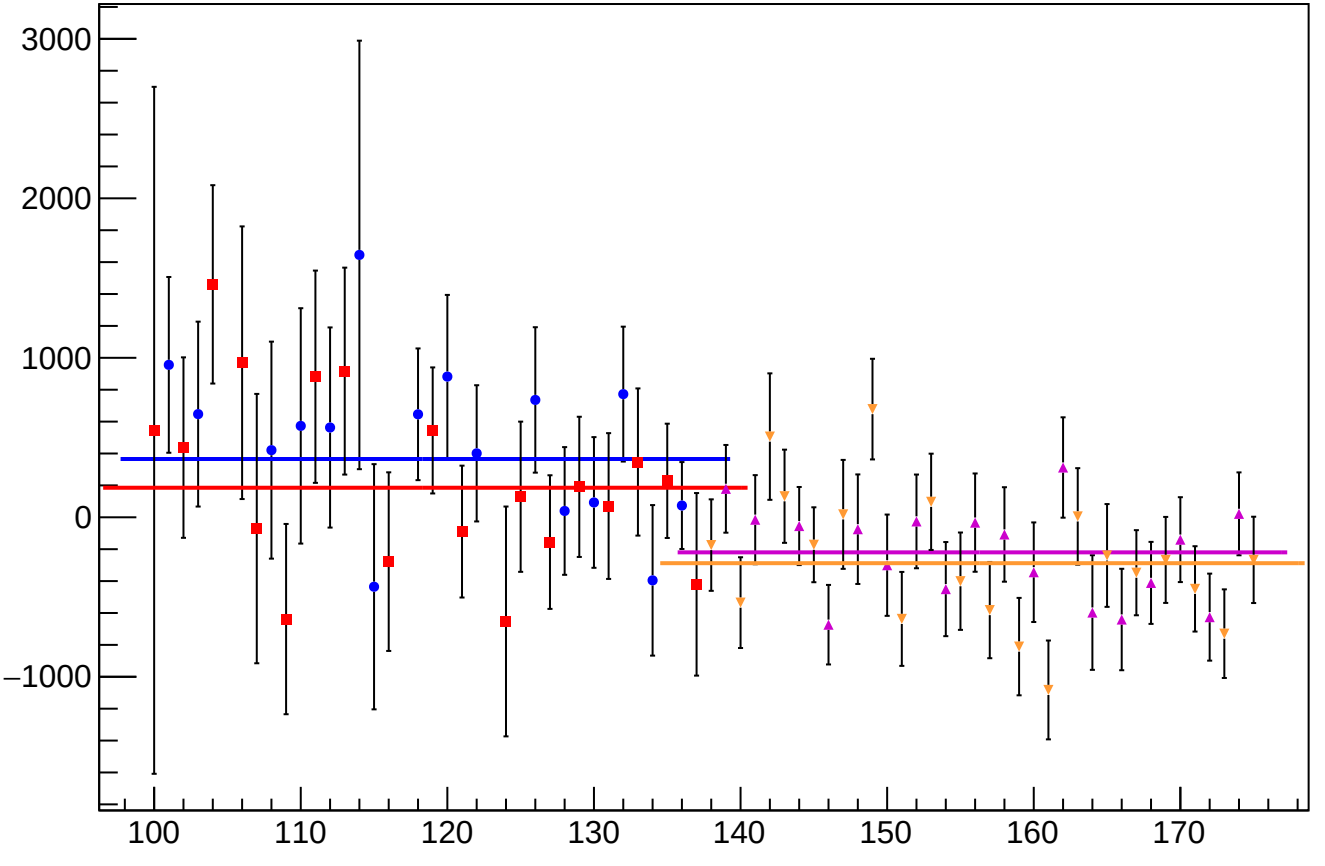
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2264.517+/-0.356 χ^2/NDF:3510906.7/33

Out: 2255.122+/-0.347 χ^2/NDF:4220453.9/38

All: 2259.698+/-0.248 χ^2/NDF: 7731718.1/72

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -219.863+/-67.780 χ^2/NDF:17.8/17

Left: -254.980+/-47.074 χ^2/NDF: 53.3/37

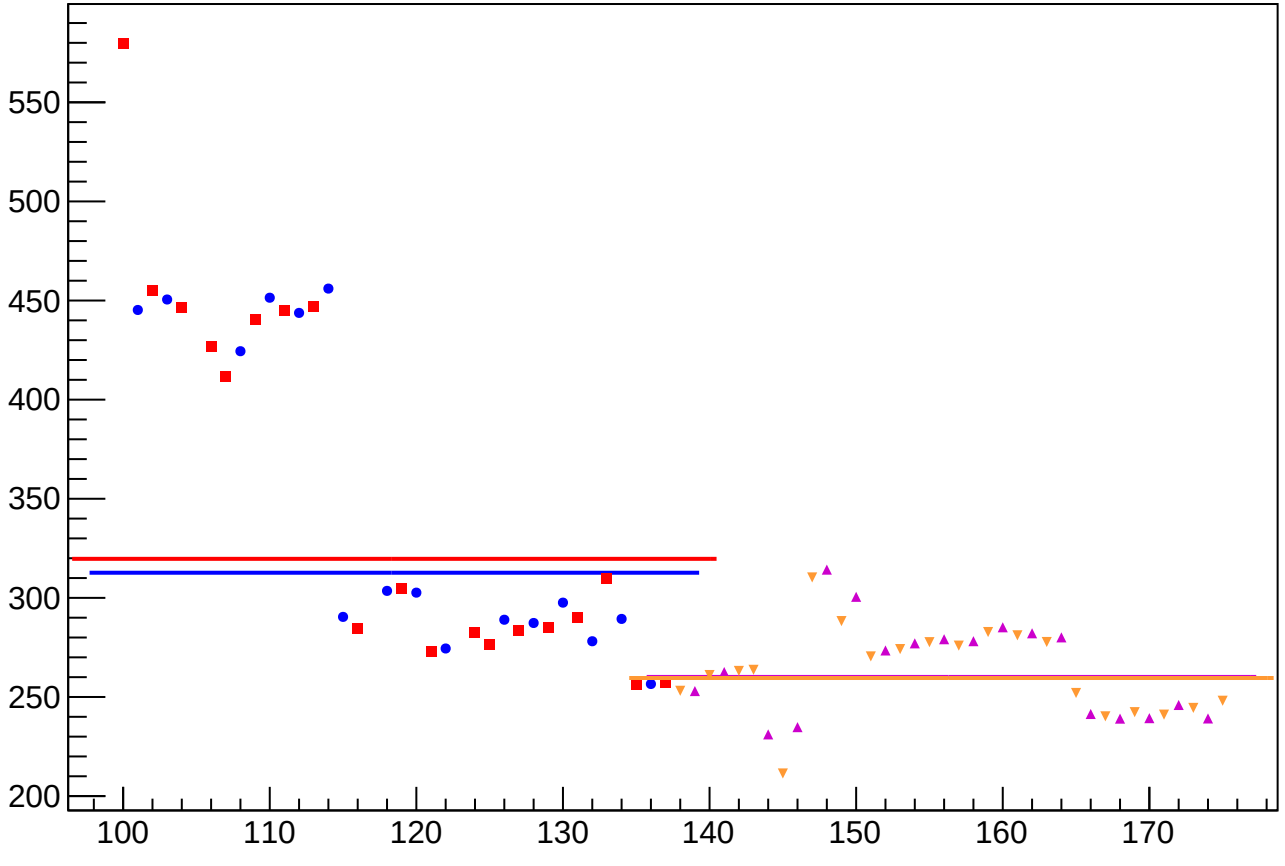
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -76.239+/-58.881 χ^2/NDF:47.6/33

Out: -179.579+/-57.467 χ^2/NDF:61.8/38

All: -129.165+/-41.126 χ^2/NDF: 111.0/72

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

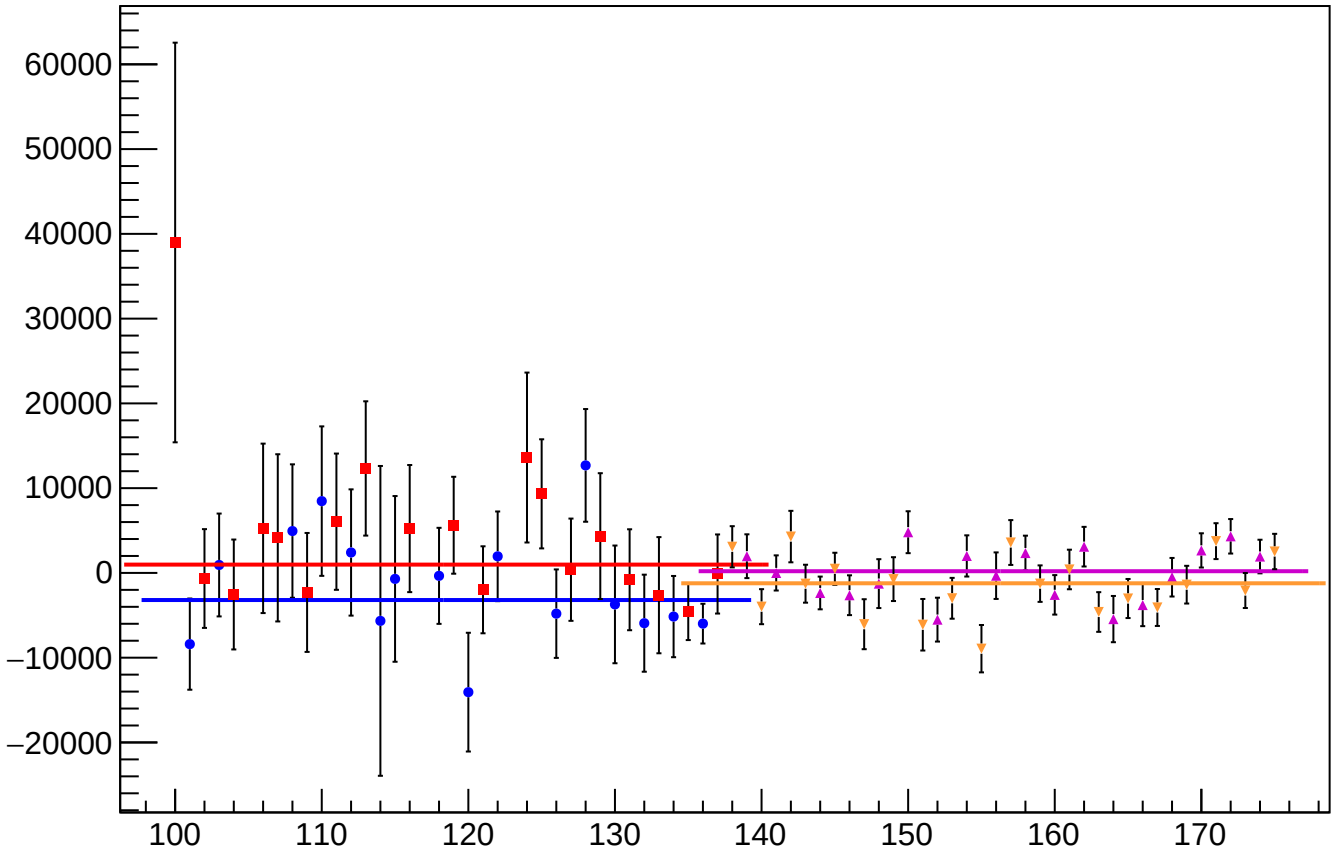
Left: 259.836+/-0.033 χ^2/NDF: 471668.8/37

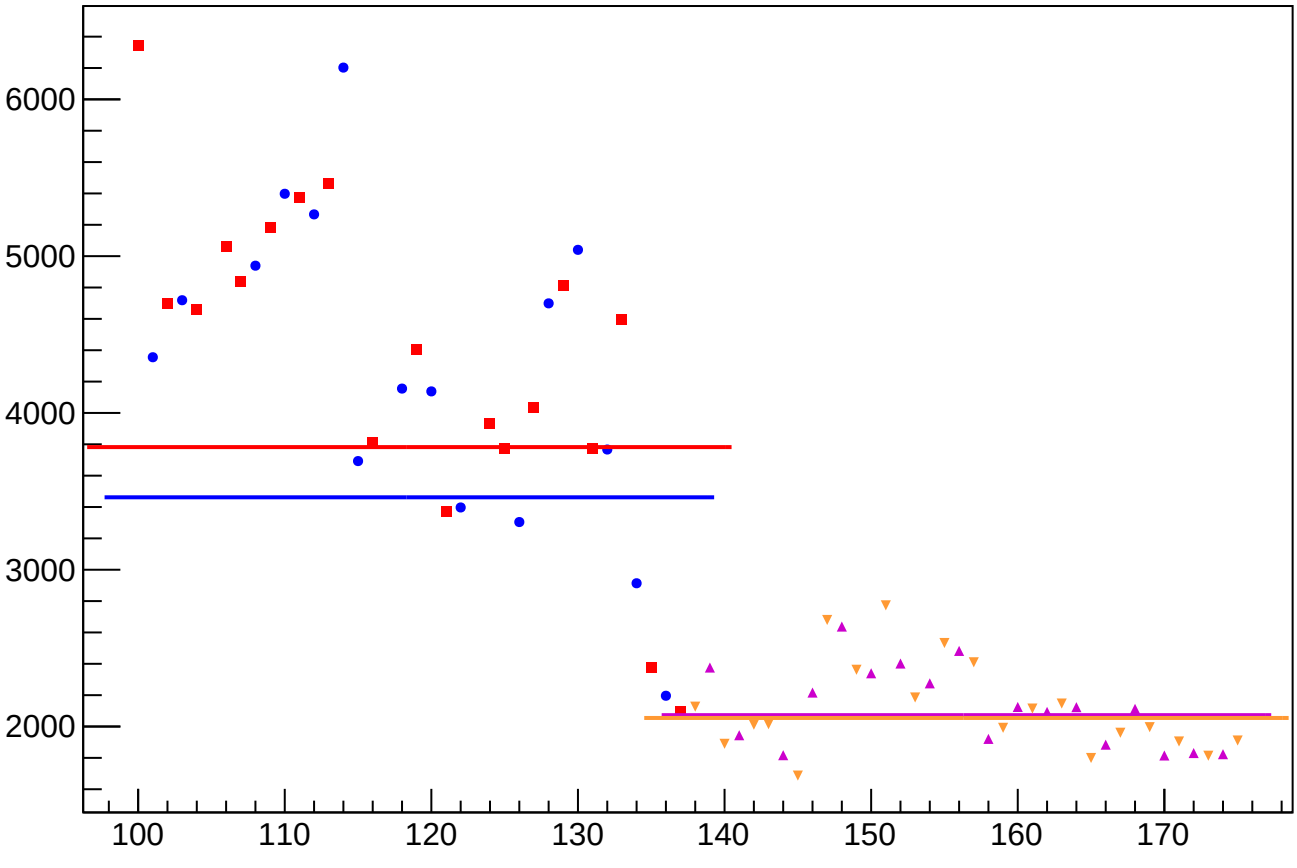
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 273.011+/-0.042 χ^2/NDF:1135102.9/33

Out: 273.318+/-0.041 χ^2/NDF:1313520.8/38

All: 273.168+/-0.029 χ^2/NDF: 2448651.5/72


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1222.957+/-521.486 χ²/NDF:39.6/19
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 201.676+/-542.121 χ²/NDF:30.2/17
Left: -538.270+/-375.830 χ²/NDF: 73.5/37
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -268.226+/-503.271 χ²/NDF:51.8/33
Out: -969.077+/-490.530 χ²/NDF:55.6/38
All: -627.635+/-351.275 χ²/NDF: 108.4/72



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

Left: 2063.206+/-0.266 χ^2/NDF: 890639.0/37

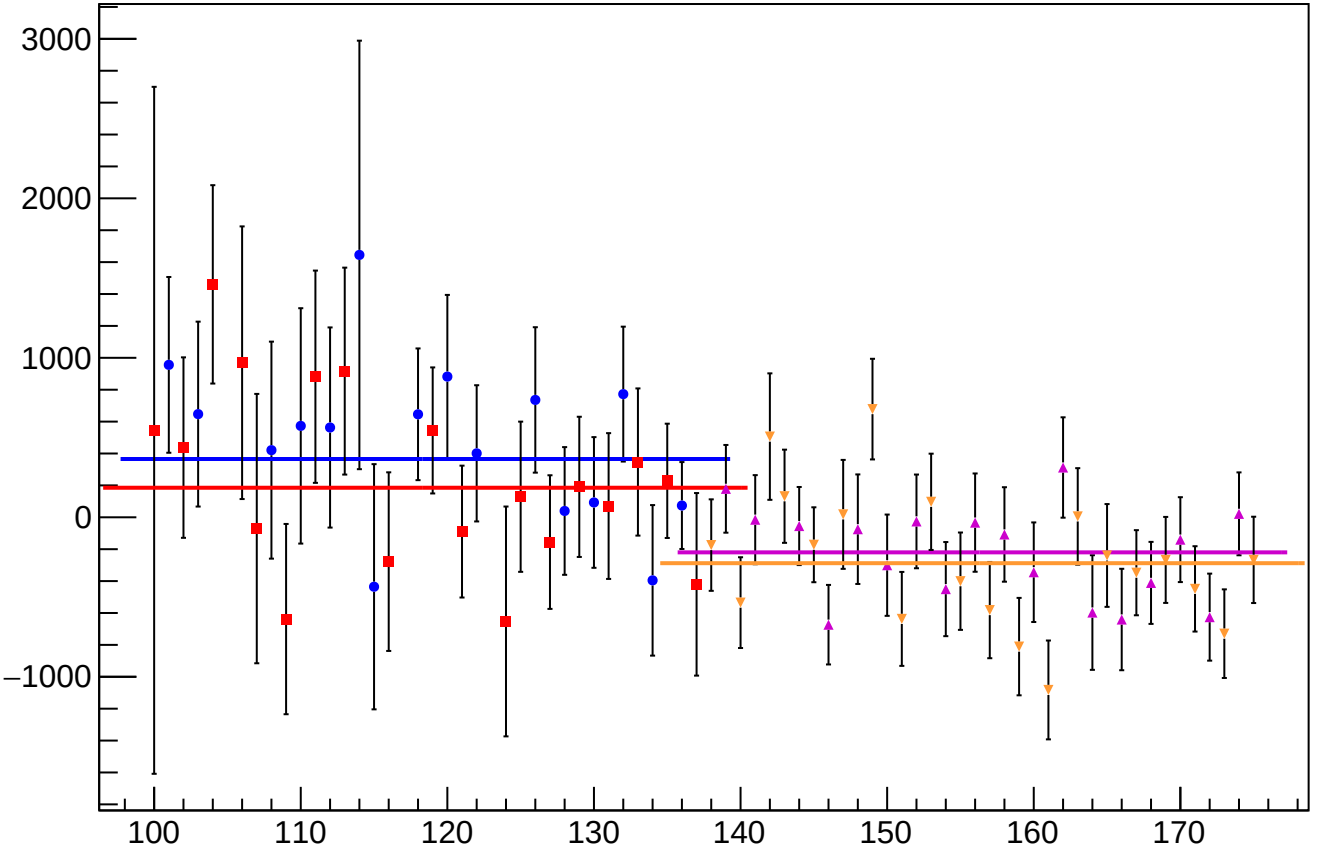
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2264.518+/-0.356 χ^2/NDF:3510928.1/33

Out: 2253.606+/-0.347 χ^2/NDF:4168460.7/38

All: 2258.922+/-0.248 χ^2/NDF: 7679870.9/72

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -219.863+/-67.780 χ^2/NDF:17.8/17

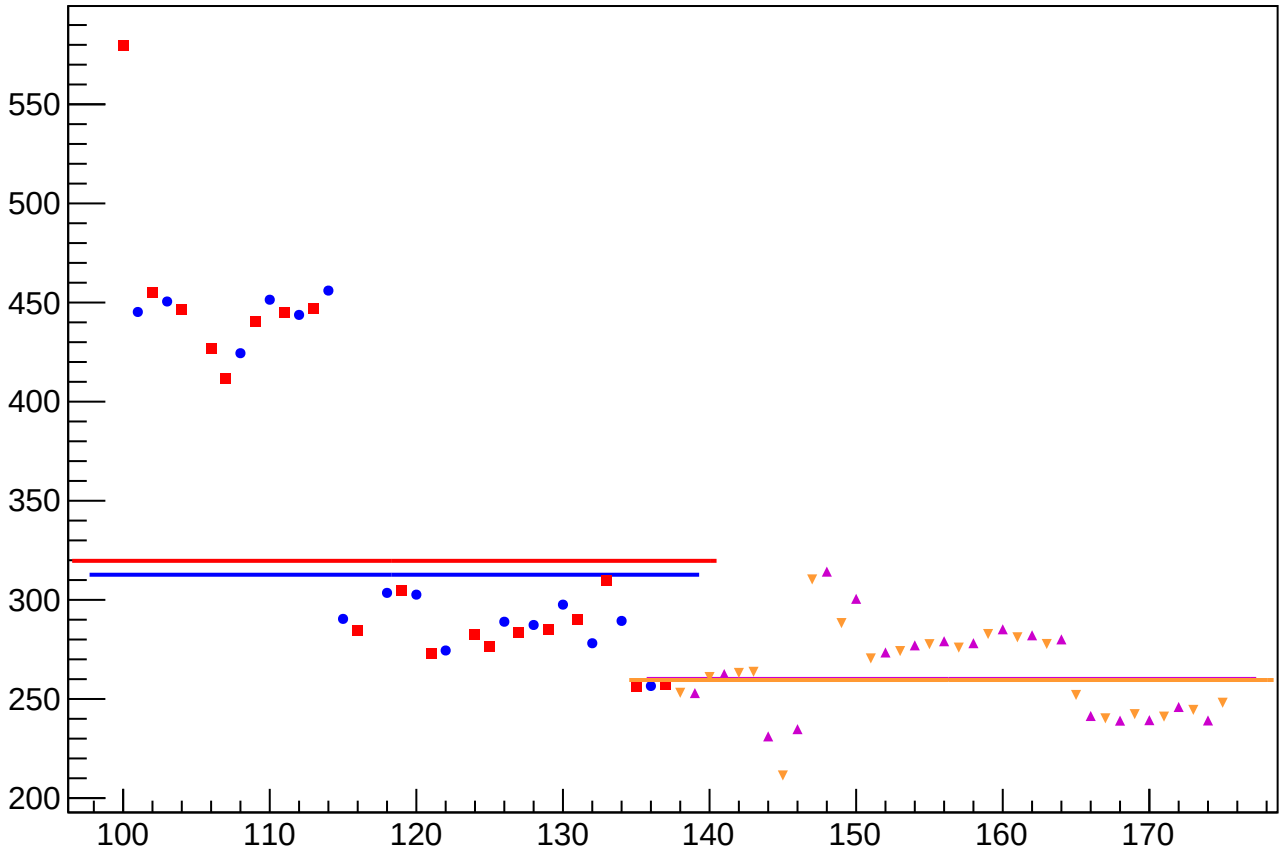
Left: -254.980+/-47.074 χ^2/NDF: 53.3/37

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -76.239+/-58.881 χ^2/NDF:47.6/33

Out: -179.579+/-57.467 χ^2/NDF:61.8/38

All: -129.165+/-41.126 χ^2/NDF: 111.0/72



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

Left: 259.836+/-0.033 χ^2/NDF: 471668.8/37

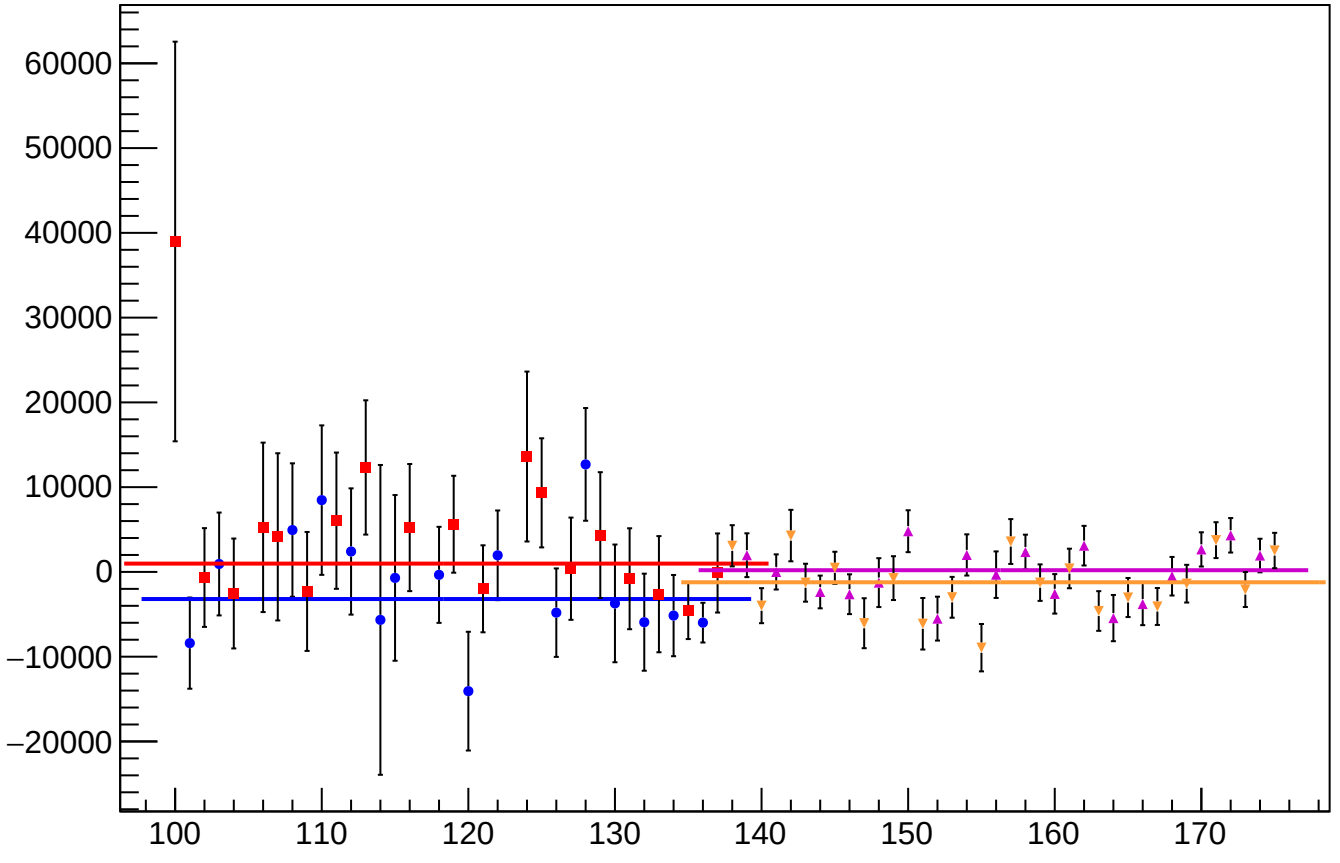
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 273.011+/-0.042 χ^2/NDF:1135102.9/33

Out: 273.318+/-0.041 χ^2/NDF:1313520.8/38

All: 273.168+/-0.029 χ^2/NDF: 2448651.5/72

asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 201.676+/-542.121 χ^2/NDF:30.2/17

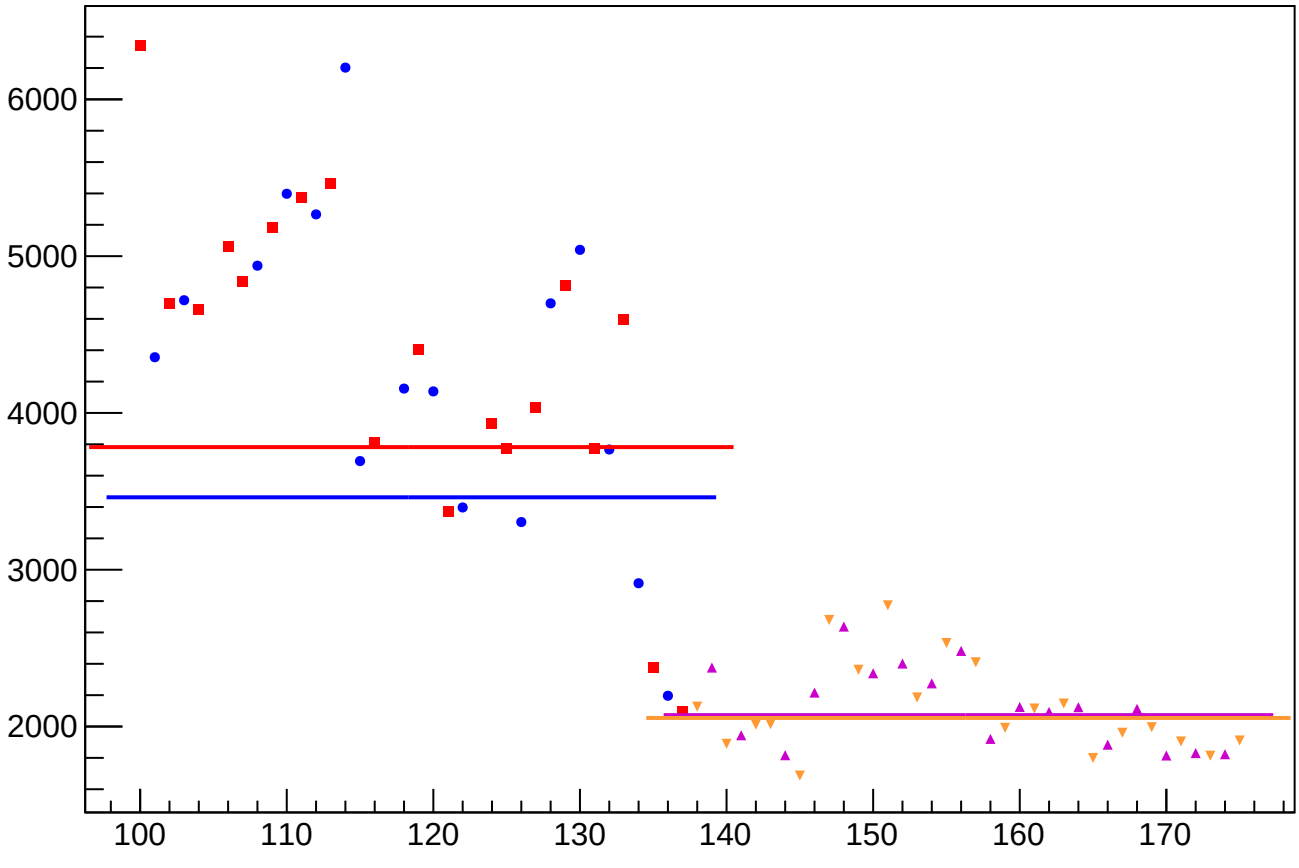
Left: -538.270+/-375.830 χ^2/NDF: 73.5/37

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -268.226+/-503.271 χ^2/NDF:51.8/33

Out: -969.077+/-490.530 χ^2/NDF:55.6/38

All: -627.635+/-351.275 χ^2/NDF: 108.4/72



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

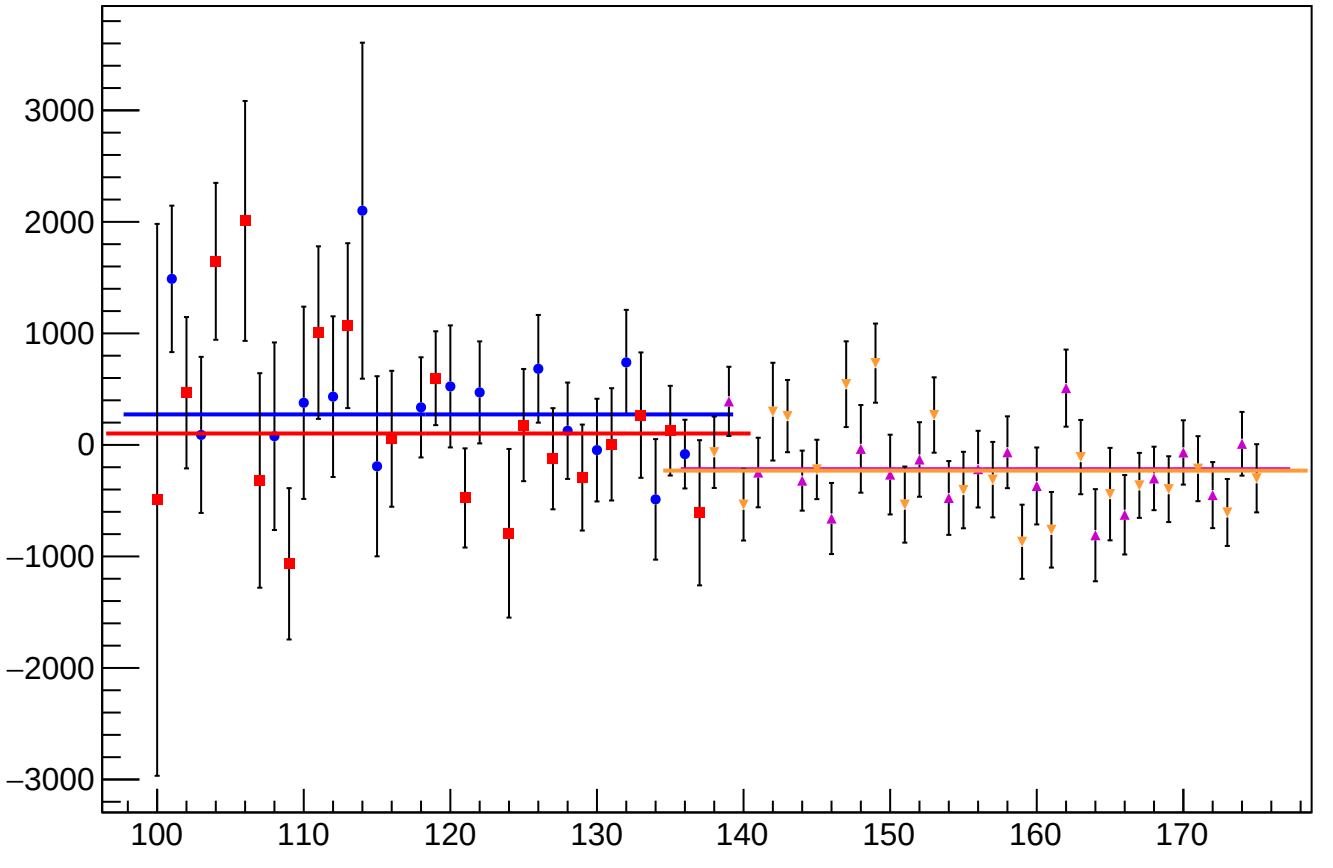
Left: 2063.206+/-0.266 χ^2/NDF: 890639.0/37

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2264.518+/-0.356 χ^2/NDF:3510928.1/33

Out: 2253.606+/-0.347 χ^2/NDF:4168460.7/38

All: 2258.922+/-0.248 χ^2/NDF: 7679870.9/72



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -230.537+/-73.135 χ^2/NDF:28.3/19

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -217.784+/-75.964 χ^2/NDF:16.6/17

Left: -224.402+/-52.686 χ^2/NDF: 45.0/37

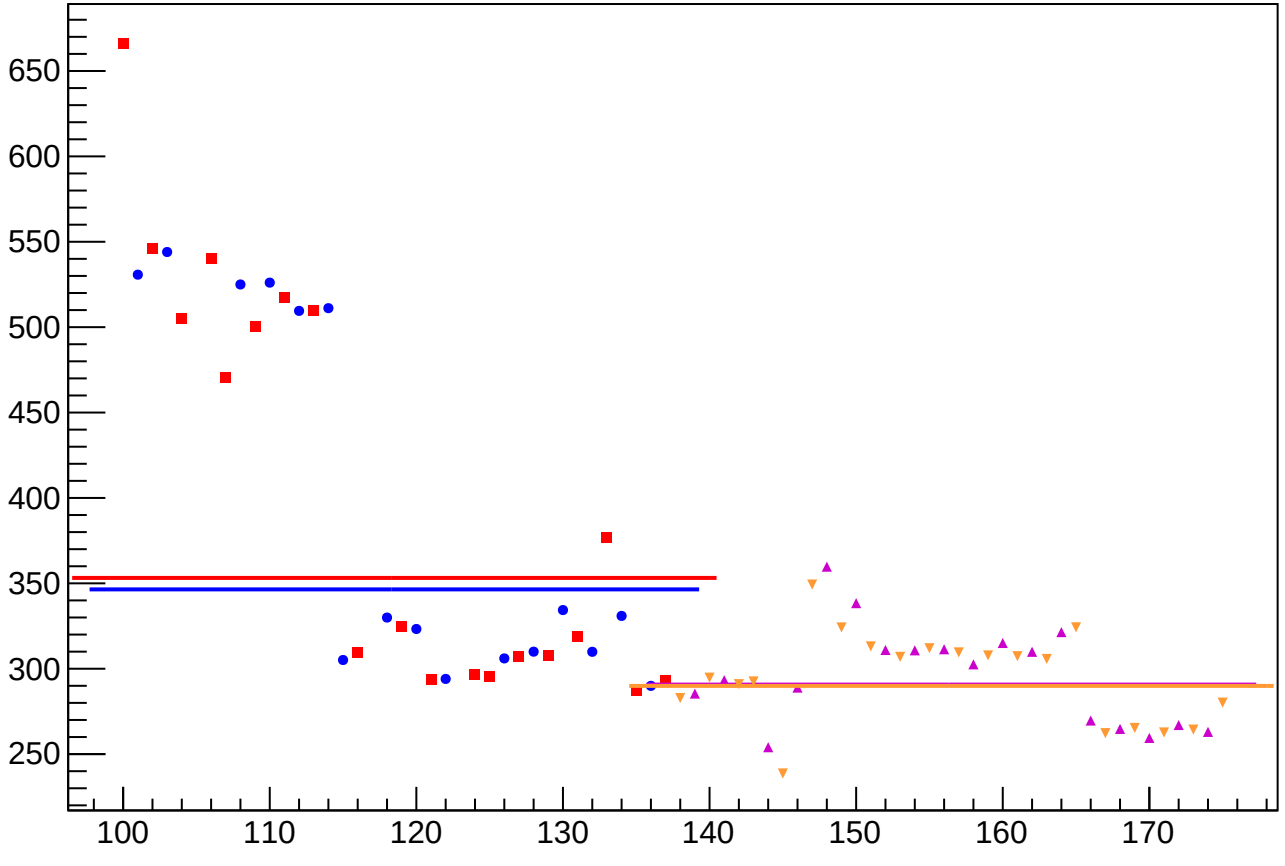
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -96.283+/-65.906 χ^2/NDF:38.4/33

Out: -153.783+/-64.153 χ^2/NDF:54.4/38

All: -125.808+/-45.970 χ^2/NDF: 93.2/72

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.945+/-0.052 χ^2/NDF:266604.8/19

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 290.699+/-0.054 χ^2/NDF:265627.1/17

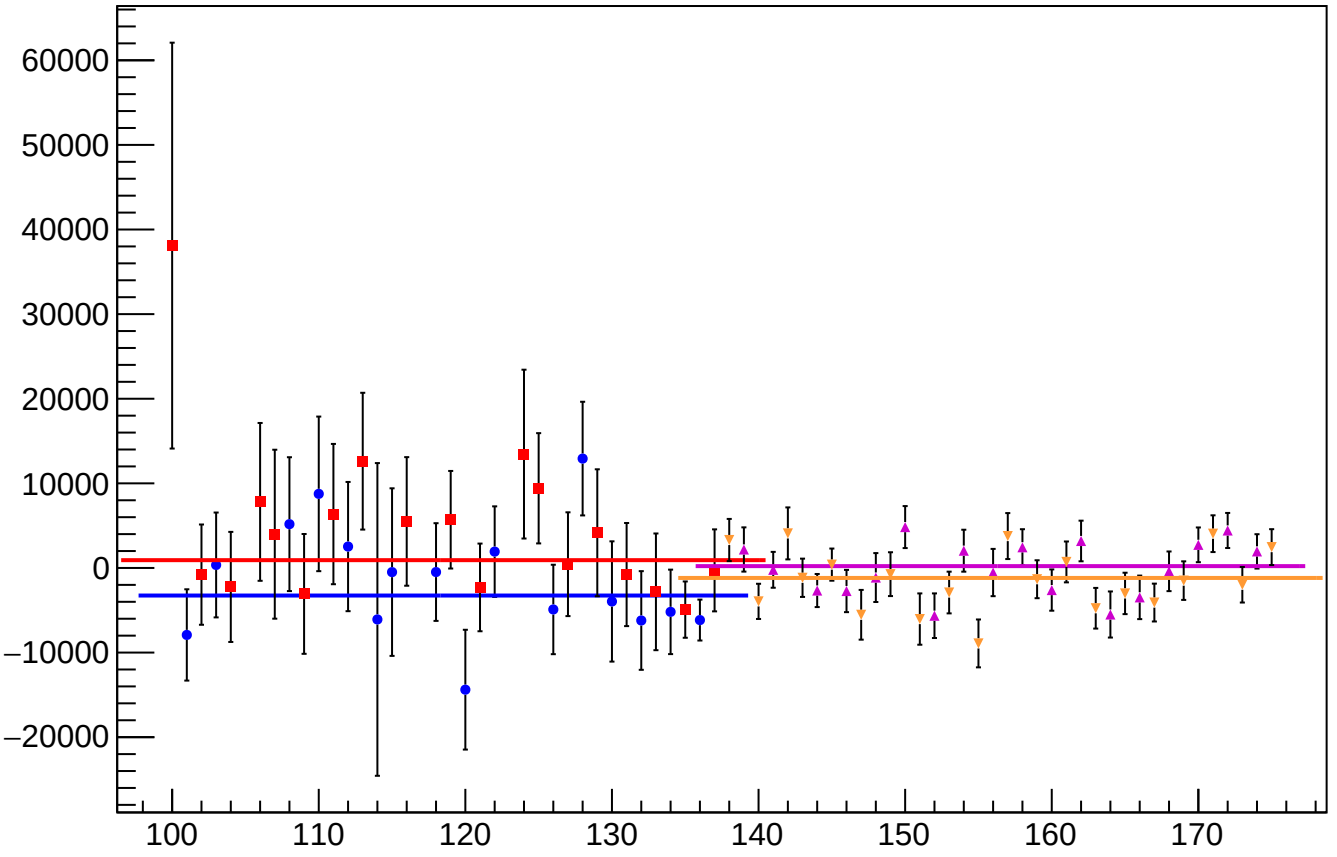
Left: 290.308+/-0.037 χ^2/NDF: 532334.2/37

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 304.486+/-0.047 χ^2/NDF:1300811.2/33

Out: 304.524+/-0.045 χ^2/NDF:1477662.4/38

All: 304.506+/-0.033 χ^2/NDF: 2778474.0/72



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1180.527+/-532.015 χ^2/NDF:38.7/19

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 216.904+/-554.775 χ^2/NDF:30.3/17

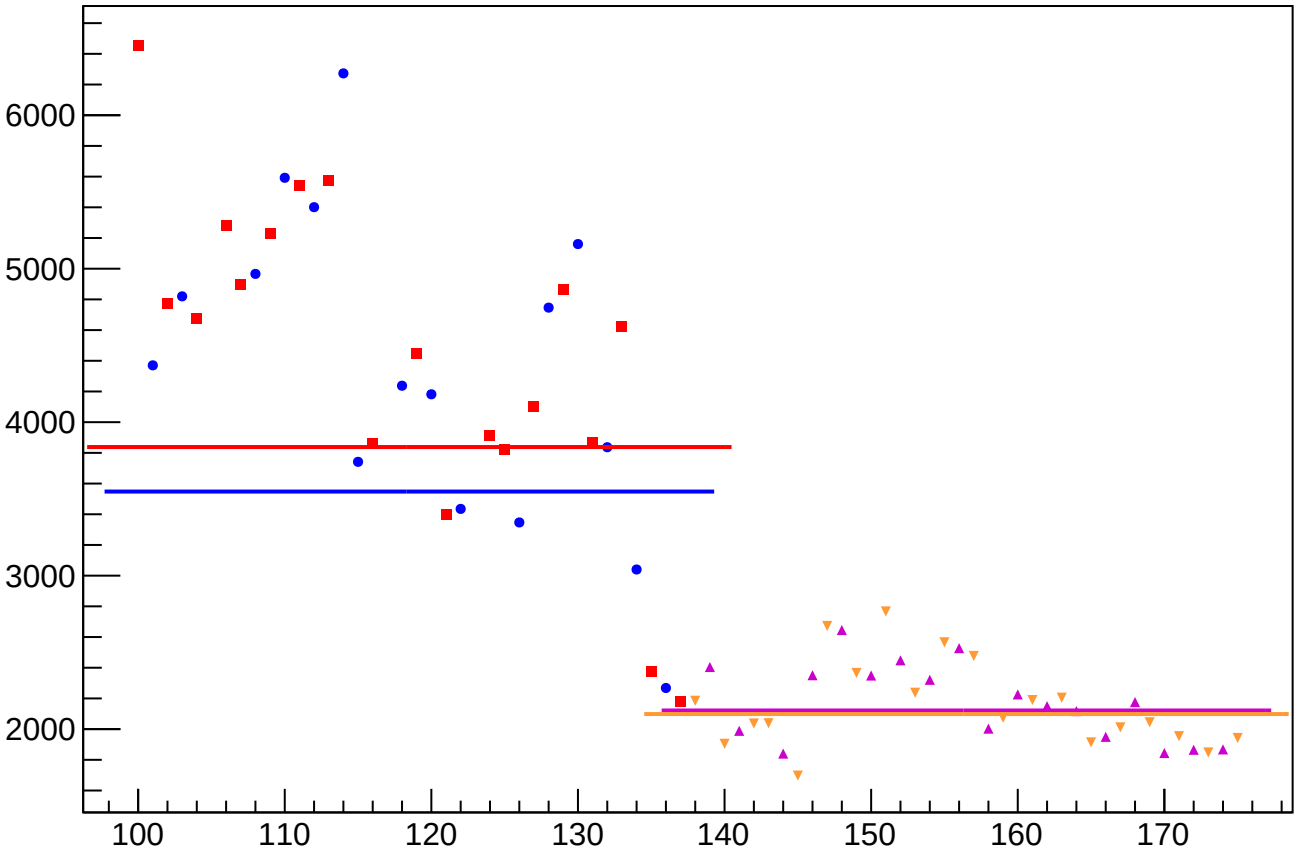
Left: -511.065+/-383.986 χ^2/NDF: 72.3/37

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -264.181+/-514.952 χ^2/NDF:51.7/33

Out: -934.383+/-499.892 χ^2/NDF:55.2/38

All: -609.226+/-358.683 χ^2/NDF: 107.8/72



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476199.9/19

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2121.444+/-0.392 χ^2/NDF:376379.5/17

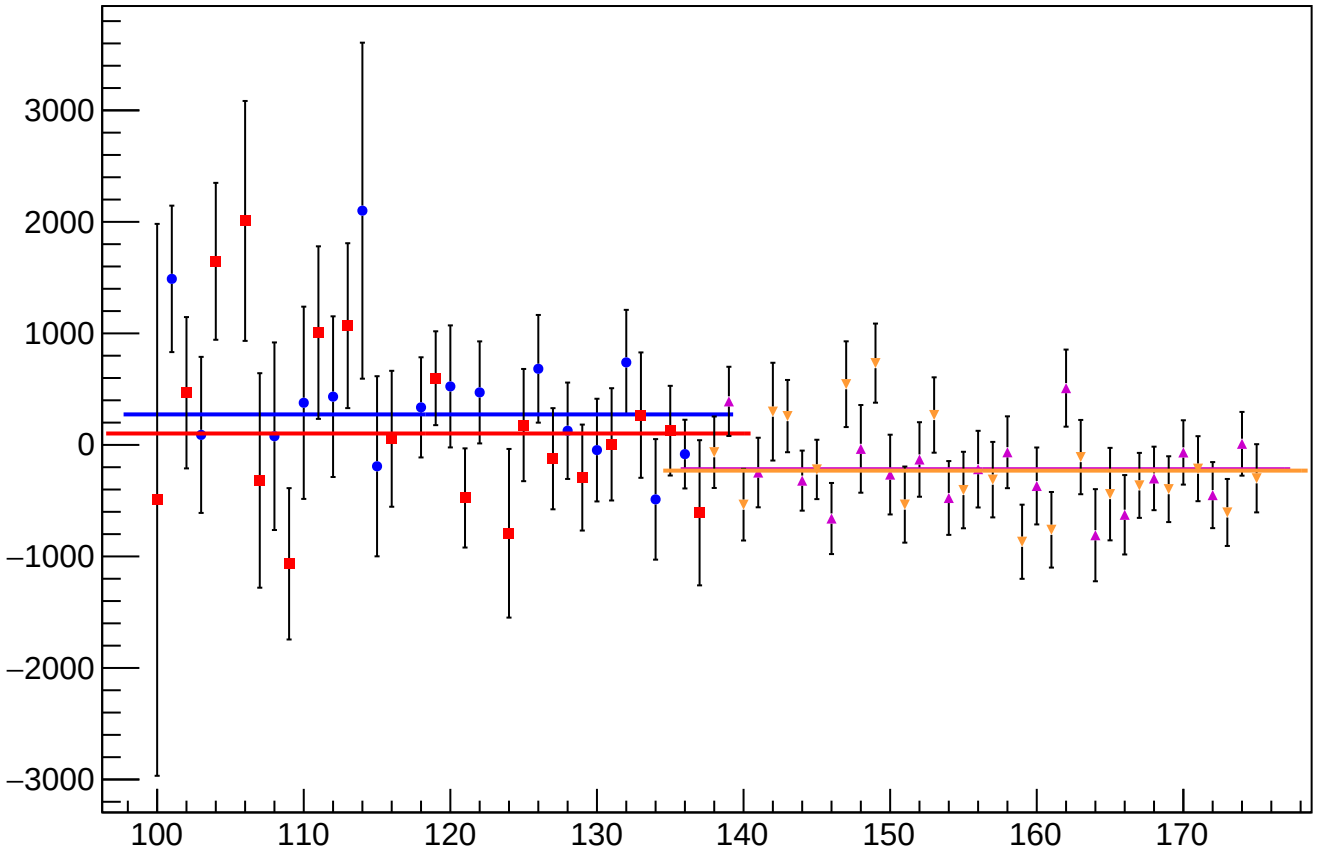
Left: 2109.369+/-0.272 χ^2/NDF: 854398.2/37

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

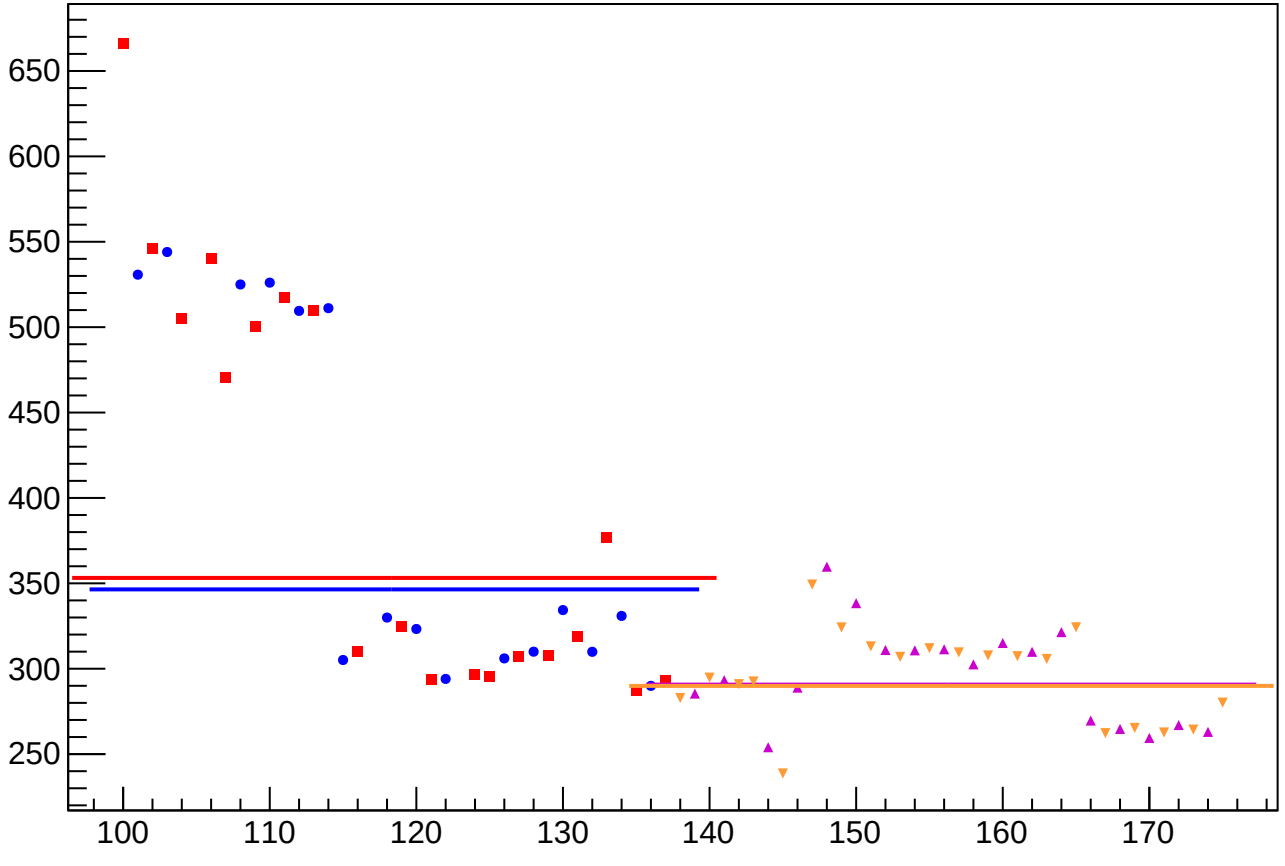
In: 2318.892+/-0.364 χ^2/NDF:3465194.9/33

Out: 2302.010+/-0.353 χ^2/NDF:4136682.1/38

All: 2310.201+/-0.254 χ^2/NDF: 7602983.5/72


eigen_dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 273.582+/-132.536 χ²/NDF: 11.4/15
Left Out: -230.541+/-73.135 χ²/NDF:28.3/19
Right Out: 102.368+/-133.606 χ²/NDF: 21.3/18
Left In: -217.787+/-75.964 χ²/NDF:16.6/17
Left: -224.406+/-52.686 χ²/NDF: 45.0/37
Right: 188.663+/-94.093 χ²/NDF: 33.6/34
In: -96.283+/-65.906 χ²/NDF:38.4/33
Out: -153.786+/-64.153 χ²/NDF:54.4/38
All: -125.810+/-45.970 χ²/NDF: 93.2/72

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.945+/-0.052 χ^2/NDF:266610.4/19

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 290.699+/-0.054 χ^2/NDF:265629.5/17

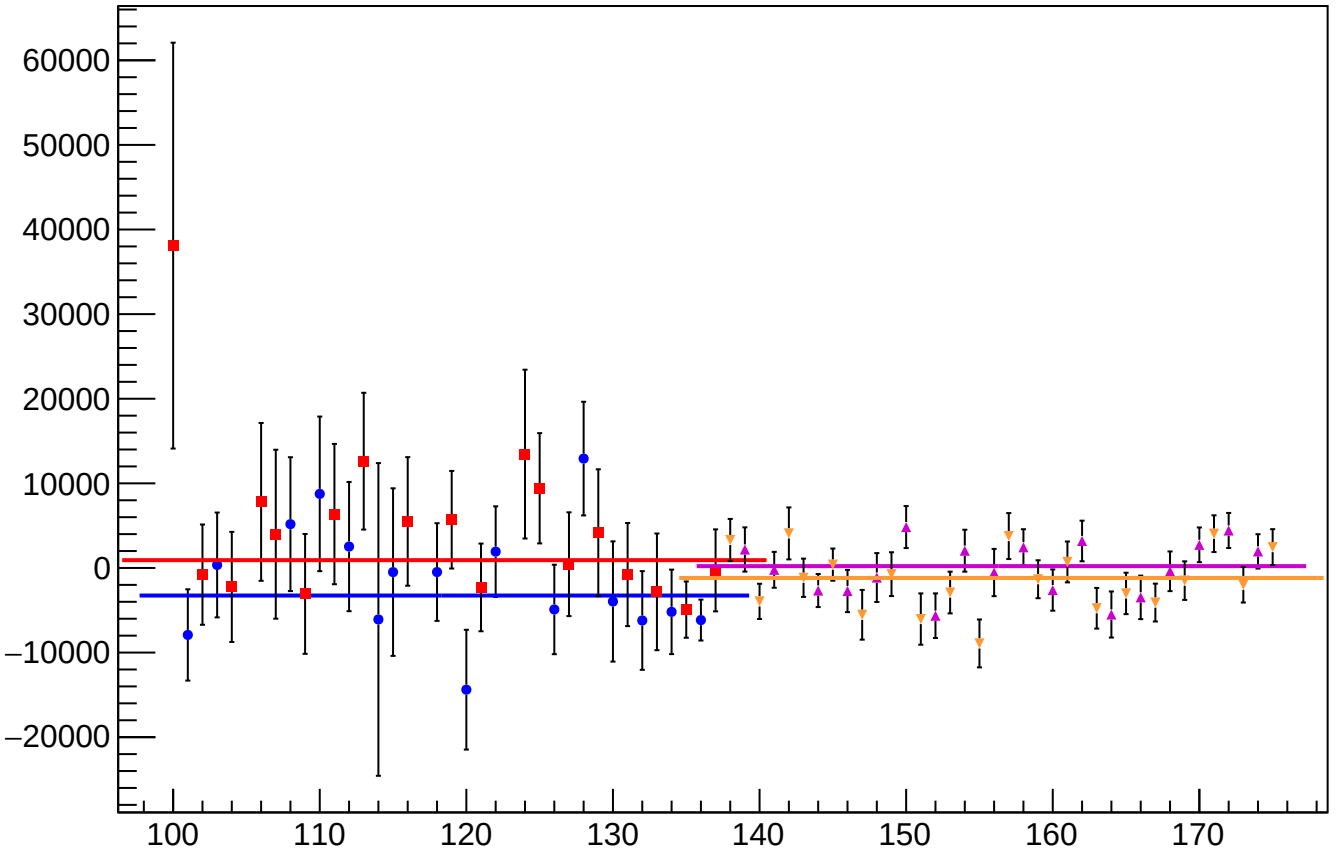
Left: 290.308+/-0.037 χ^2/NDF: 532342.2/37

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 304.486+/-0.047 χ^2/NDF:1300788.1/33

Out: 304.524+/-0.045 χ^2/NDF:1477645.6/38

All: 304.505+/-0.033 χ^2/NDF: 2778434.0/72



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1180.528+/-532.015 χ^2/NDF:38.7/19

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 216.904+/-554.775 χ^2/NDF:30.3/17

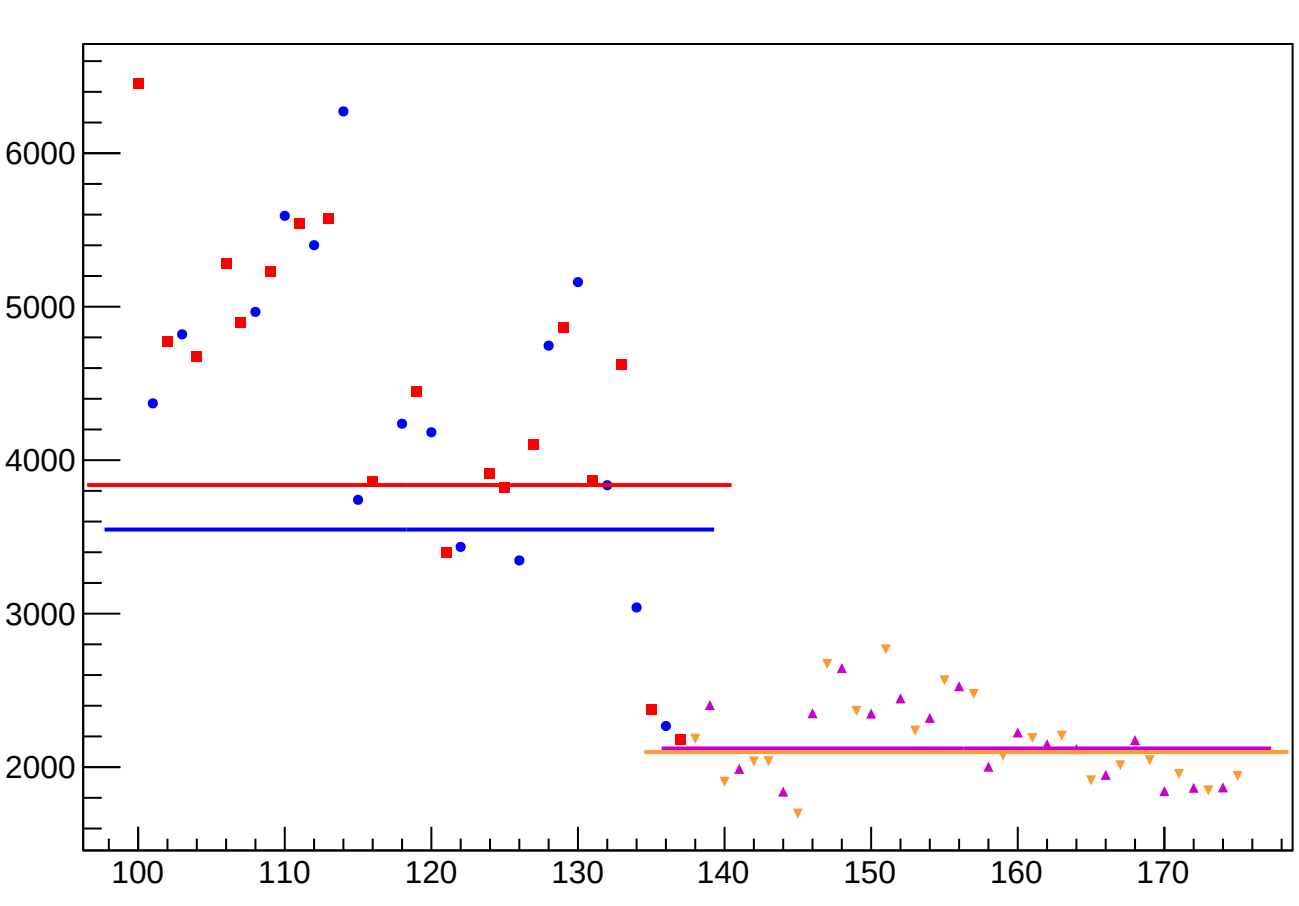
Left: -511.065+/-383.986 χ^2/NDF: 72.3/37

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -264.181+/-514.952 χ^2/NDF:51.7/33

Out: -934.382+/-499.892 χ^2/NDF:55.2/38

All: -609.226+/-358.683 χ^2/NDF: 107.8/72



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476204.1/19

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2121.444+/-0.392 χ^2/NDF:376380.3/17

Left: 2109.369+/-0.272 χ^2/NDF: 854403.3/37

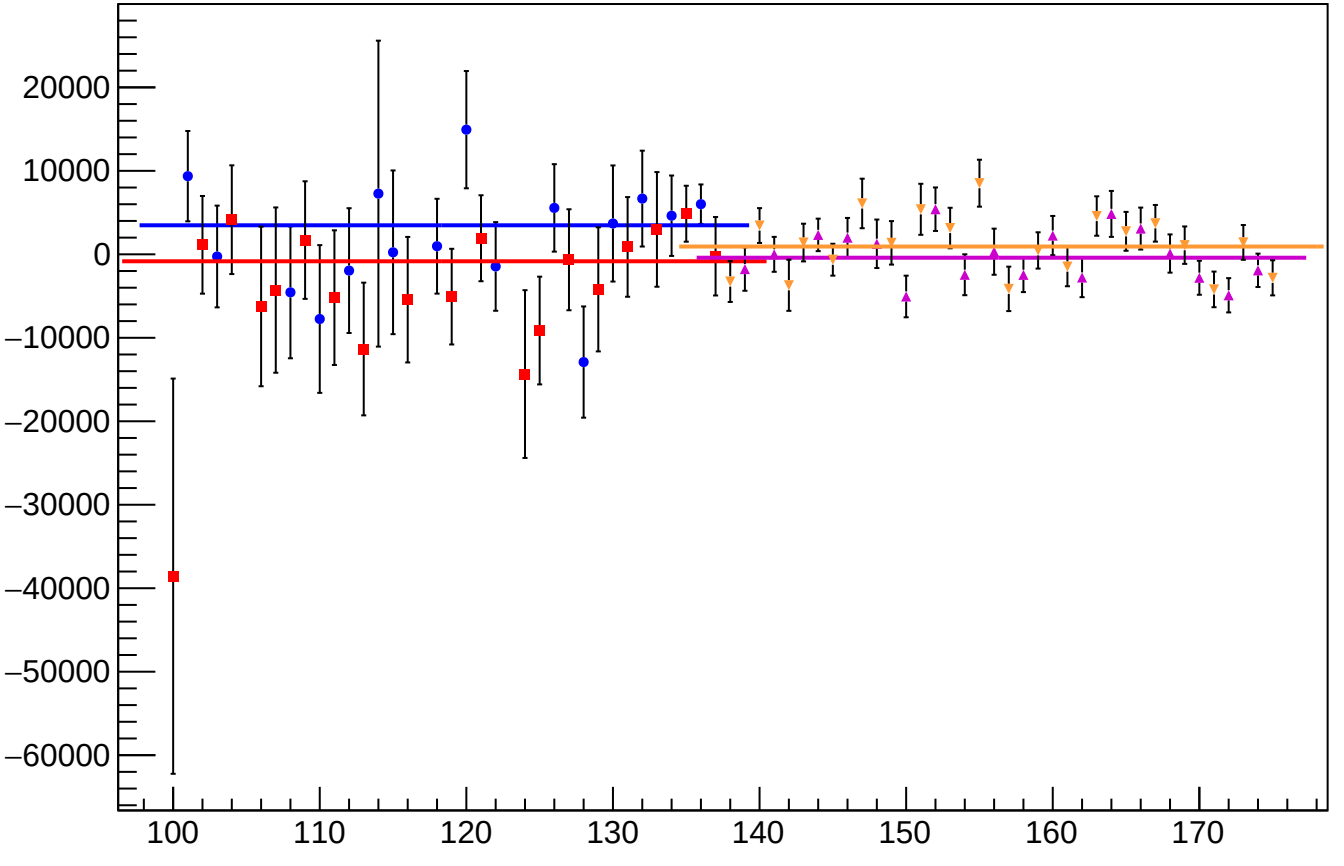
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2318.892+/-0.364 χ^2/NDF:3465177.6/33

Out: 2302.010+/-0.353 χ^2/NDF:4136670.3/38

All: 2310.201+/-0.254 χ^2/NDF: 7602954.5/72

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 933.769+/-525.745 χ^2/NDF:39.1/19

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -407.006+/-546.527 χ^2/NDF:28.5/17

Left: 289.357+/-378.892 χ^2/NDF: 70.7/37

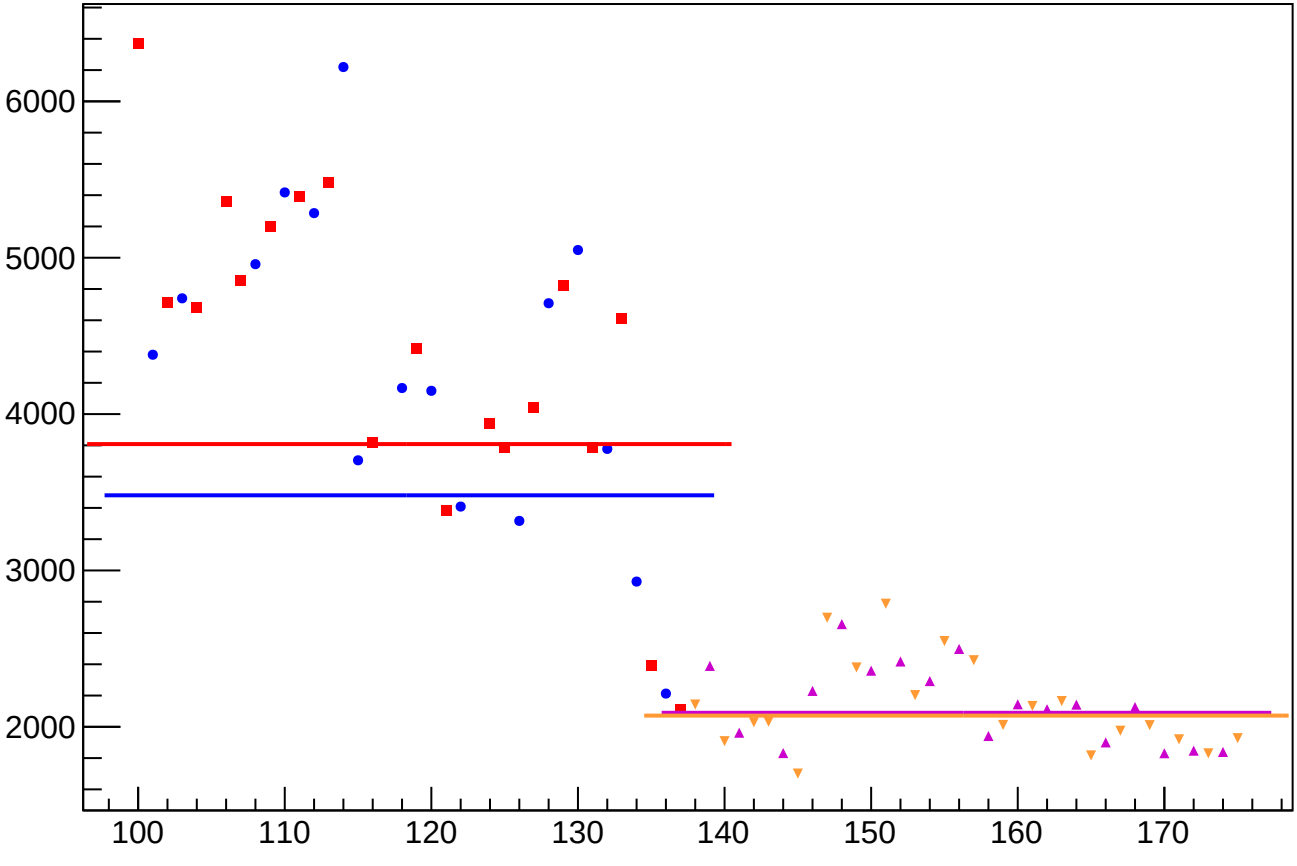
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 132.961+/-507.131 χ^2/NDF:51.9/33

Out: 728.446+/-494.245 χ^2/NDF:54.4/38

All: 438.365+/-353.952 χ^2/NDF: 107.0/72

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2071.732+/-0.372 χ^2/NDF:497411.9/19

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2089.647+/-0.386 χ^2/NDF:380465.1/17

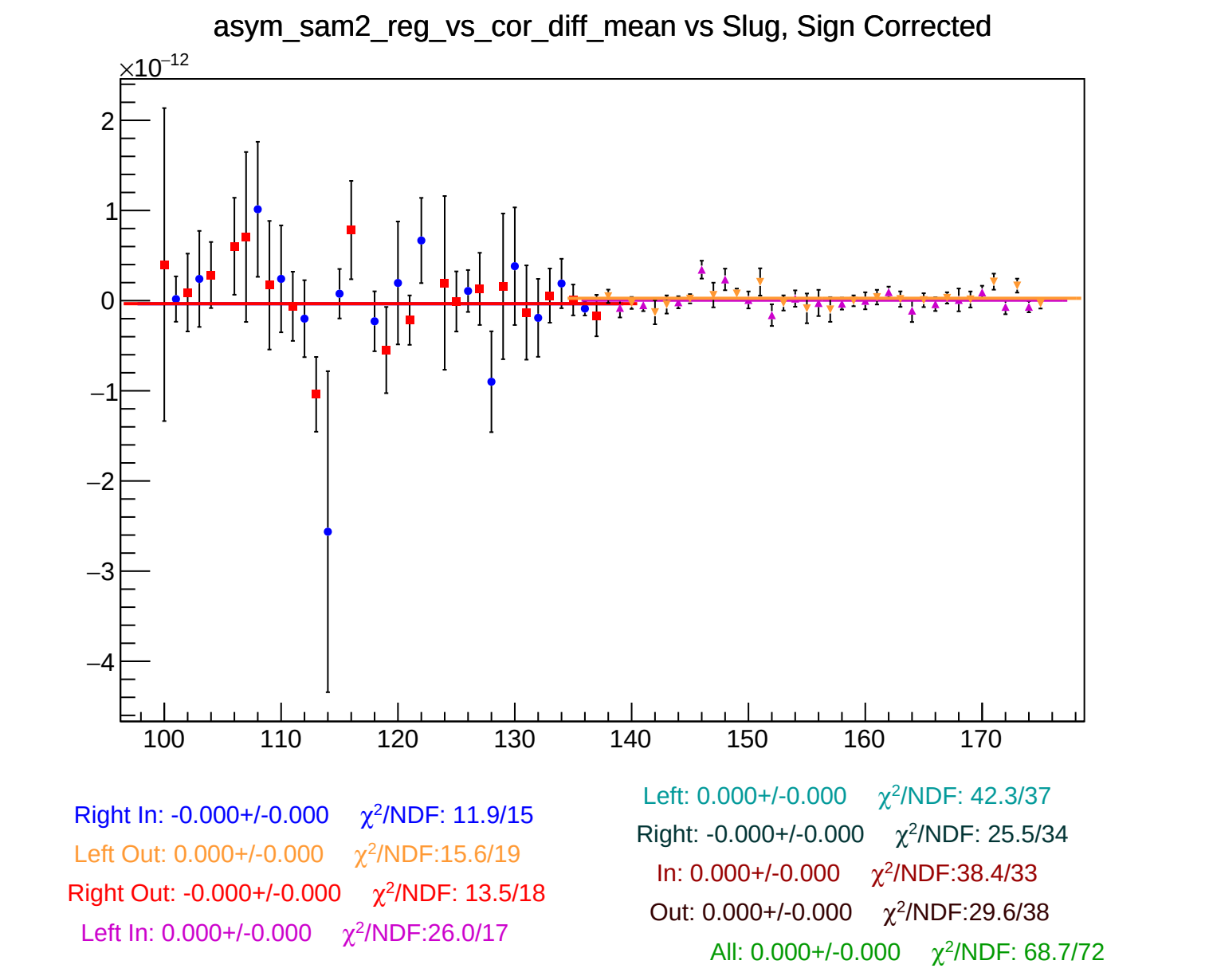
Left: 2080.343+/-0.268 χ^2/NDF: 878993.2/37

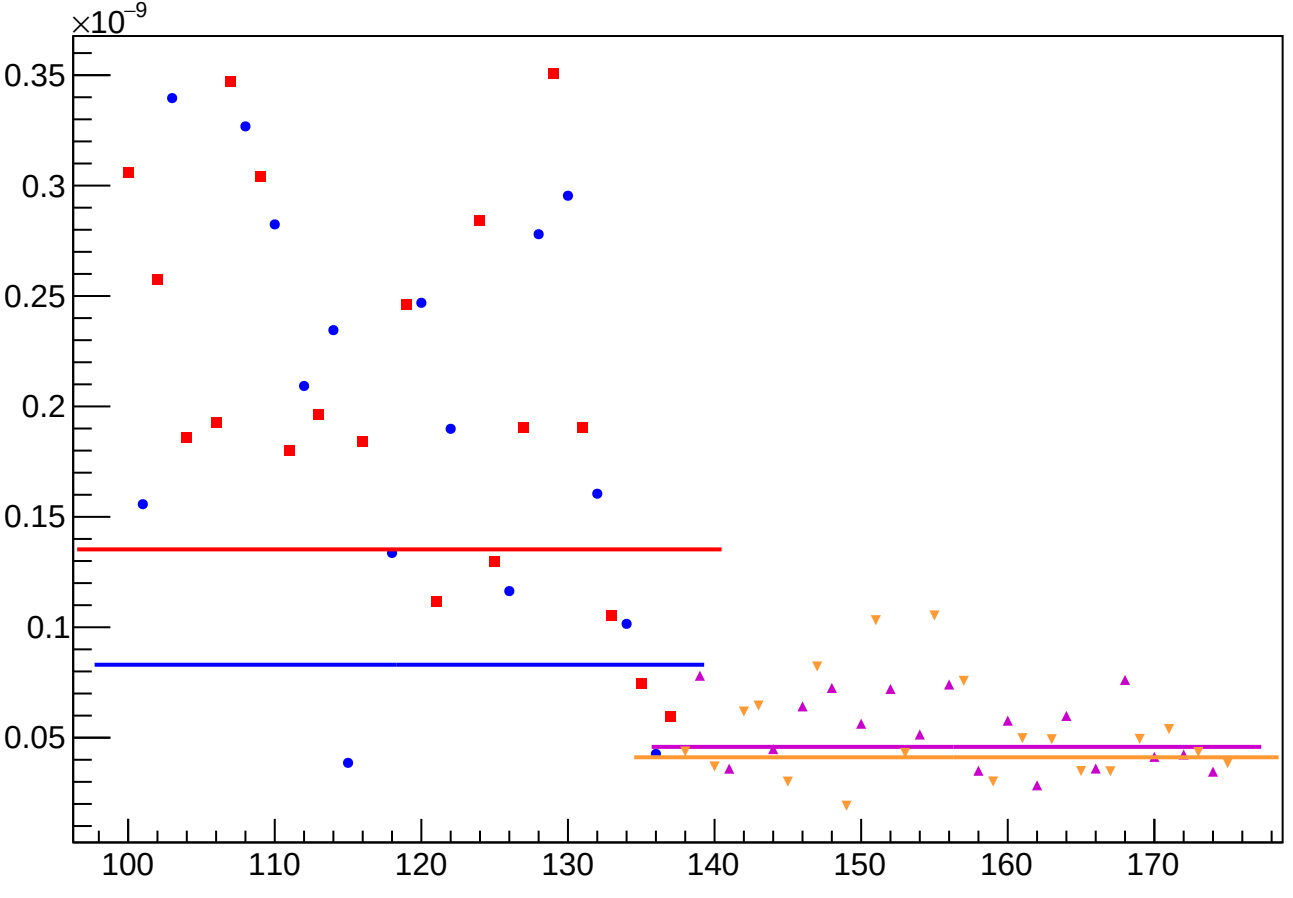
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2282.948+/-0.359 χ^2/NDF:3477387.7/33

Out: 2273.575+/-0.349 χ^2/NDF:4180965.5/38

All: 2278.141+/-0.250 χ^2/NDF: 7658703.6/72


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:15.6/19
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:26.0/17
Left: 0.000+/-0.000 χ²/NDF: 42.3/37
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:38.4/33
Out: 0.000+/-0.000 χ²/NDF:29.6/38
All: 0.000+/-0.000 χ²/NDF: 68.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1725798.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1096411.2/17

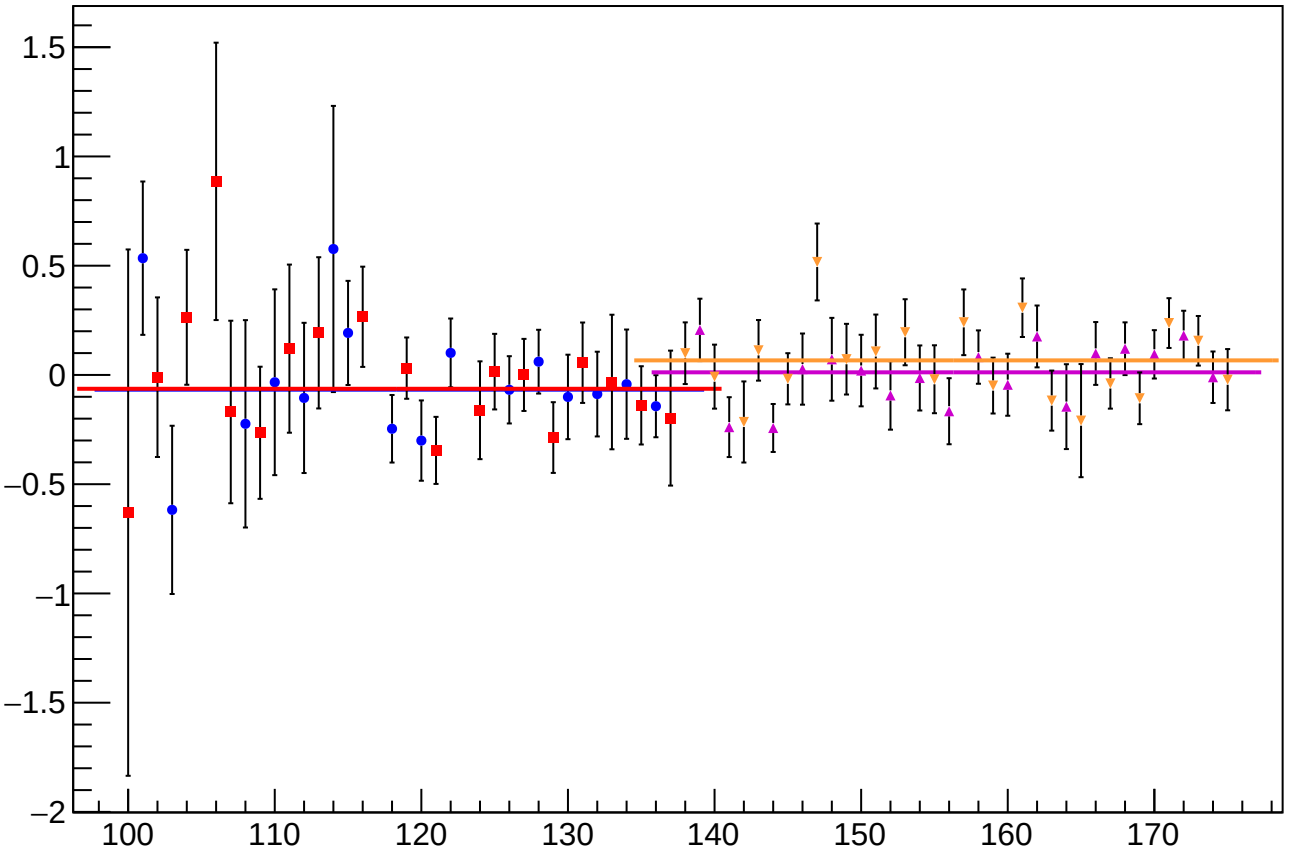
Left: 0.000+/-0.000 χ^2/NDF: 2886597.3/37

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4479608.3/33

Out: 0.000+/-0.000 χ^2/NDF:5490886.1/38

All: 0.000+/-0.000 χ^2/NDF: 10034295.6/72



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

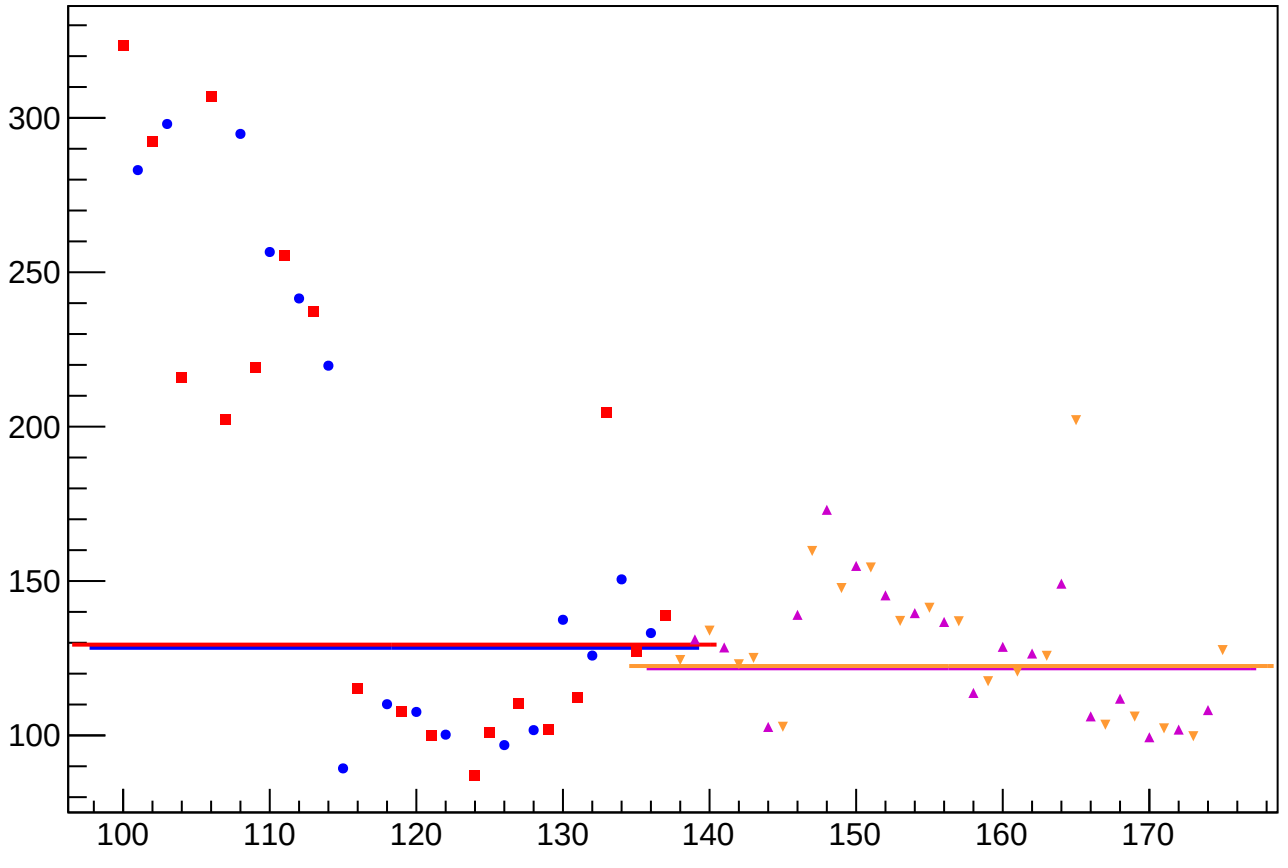
Left: 0.040+/-0.022 χ^2/NDF: 46.0/37

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.5/72



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

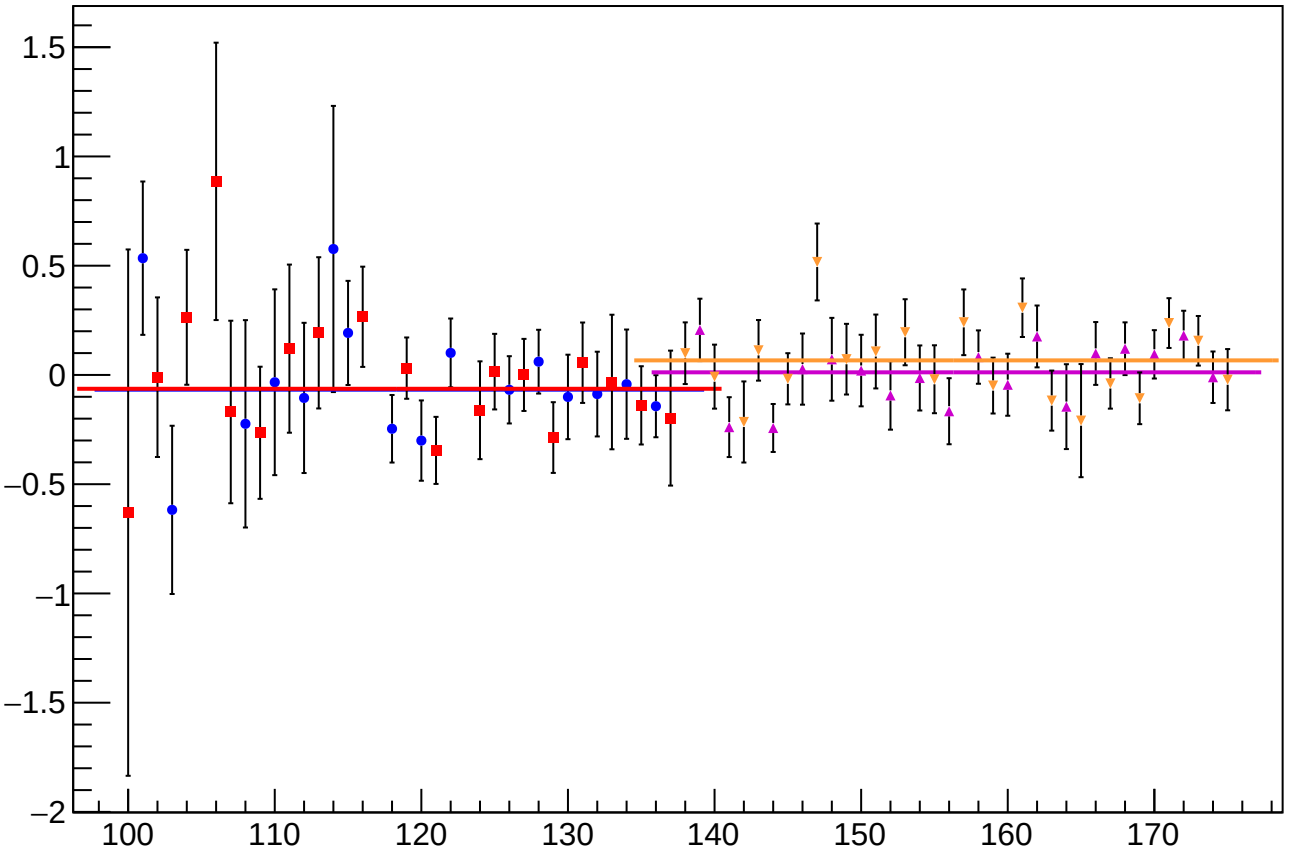
Left: 122.112+/-0.016 χ^2/NDF: 1458840.8/37

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.592+/-0.019 χ^2/NDF:2508751.1/33

Out: 124.330+/-0.019 χ^2/NDF:2693013.4/38

All: 123.970+/-0.014 χ^2/NDF: 5202507.9/72



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

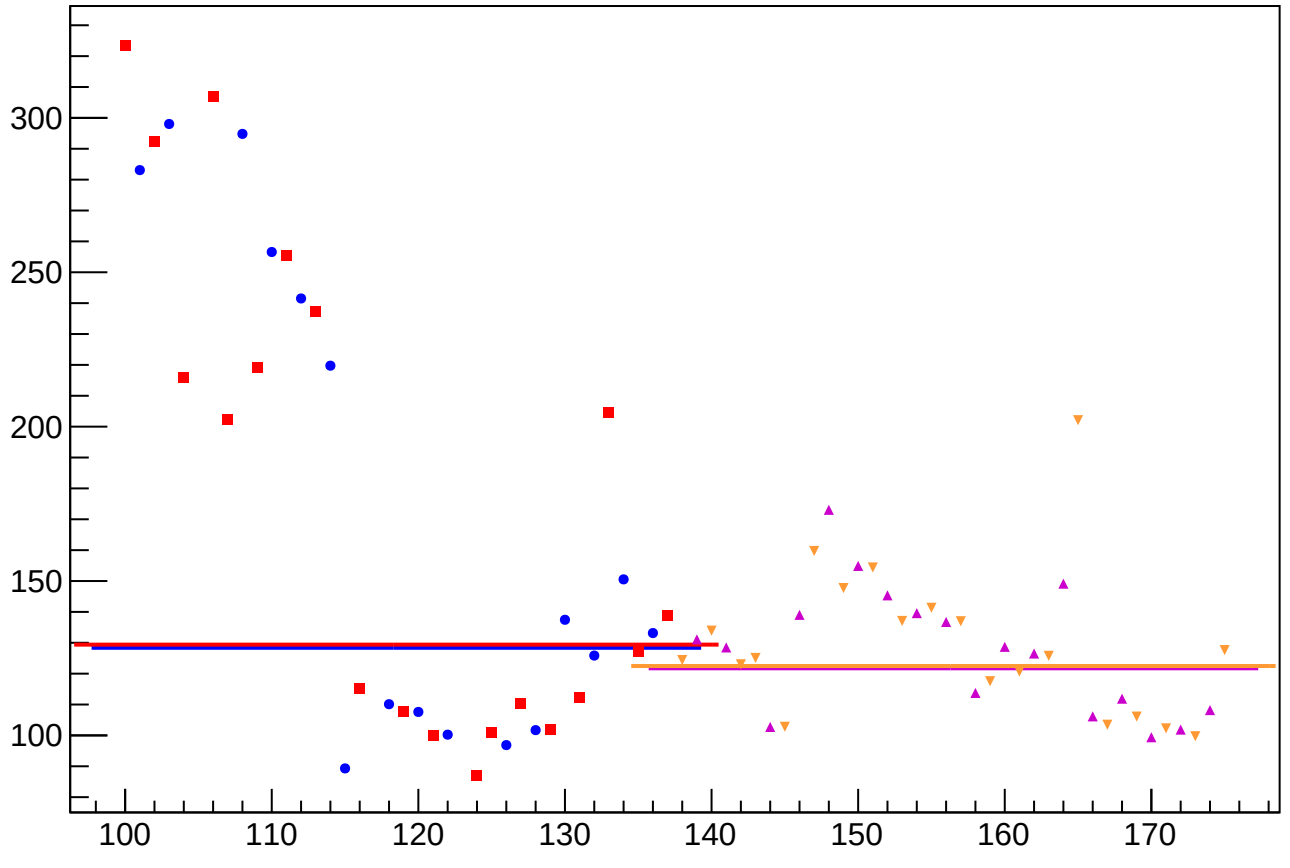
Left: 0.040+/-0.022 χ^2/NDF: 46.0/37

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.5/72



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

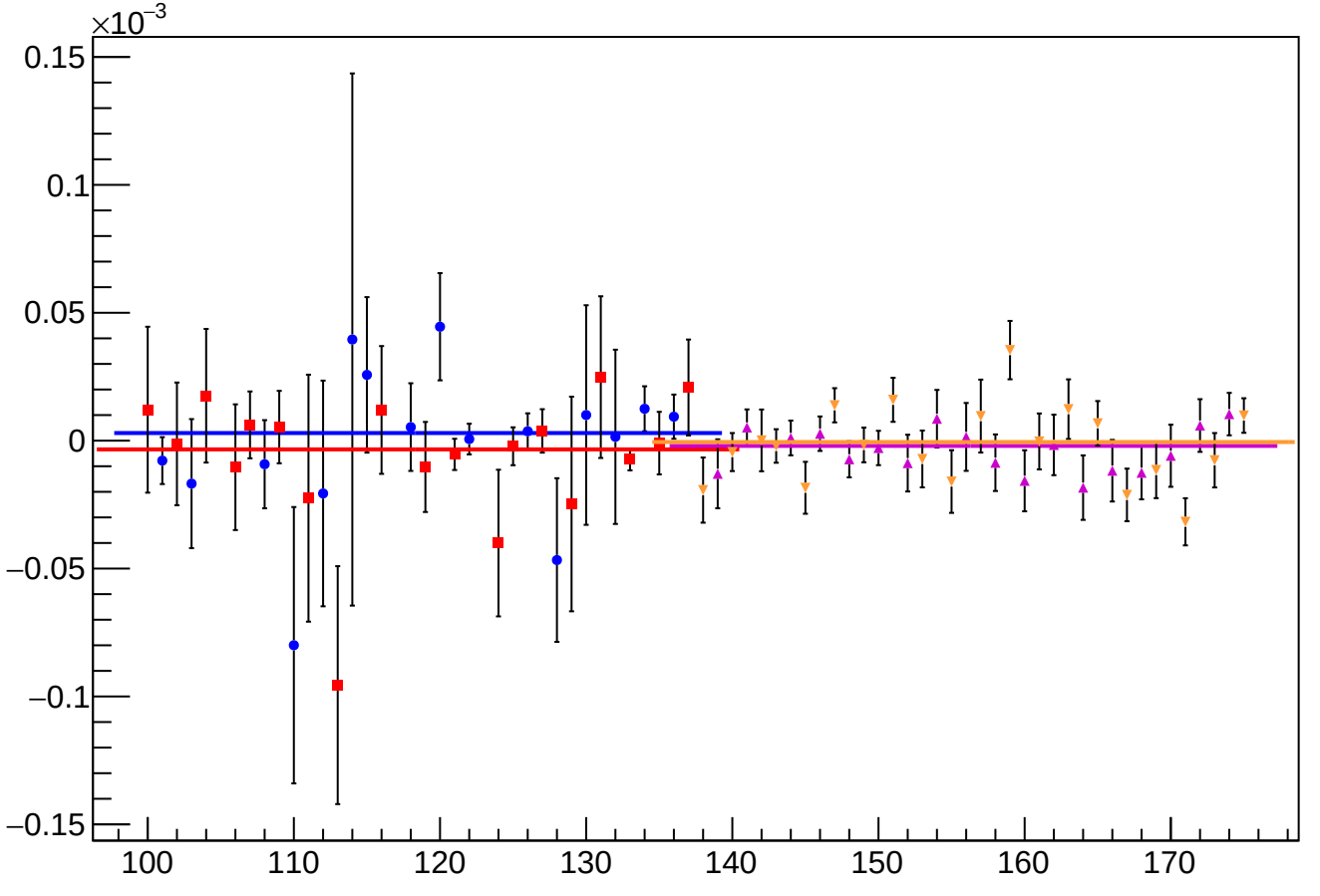
Left: 122.112+/-0.016 χ^2/NDF: 1458840.8/37

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.592+/-0.019 χ^2/NDF:2508751.1/33

Out: 124.330+/-0.019 χ^2/NDF:2693013.4/38

All: 123.970+/-0.014 χ^2/NDF: 5202507.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

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

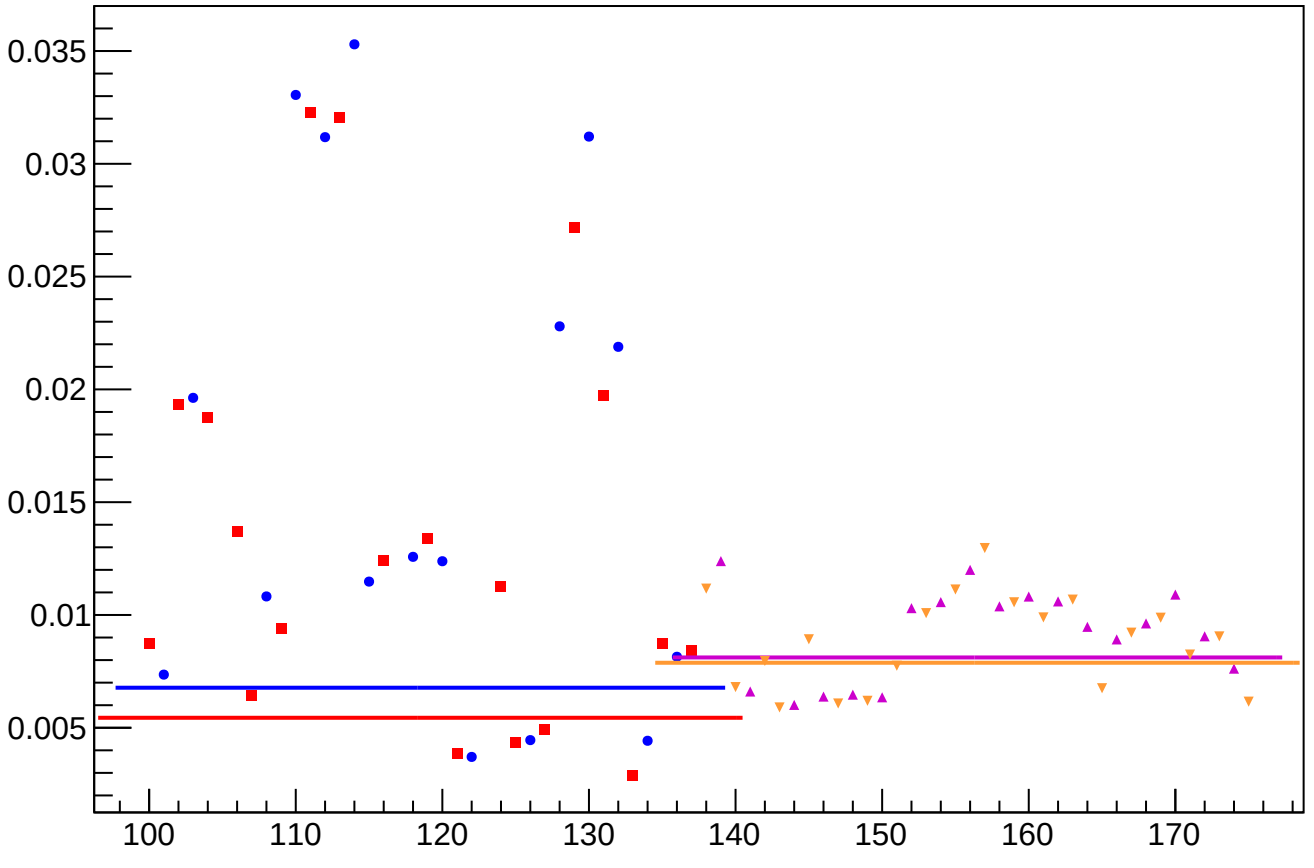
Left: -0.000+/-0.000 χ^2/NDF: 60.0/37

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:28.1/33

Out: -0.000+/-0.000 χ^2/NDF:60.9/38

All: -0.000+/-0.000 χ^2/NDF: 89.2/72



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1706852.0/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1686368.2/17

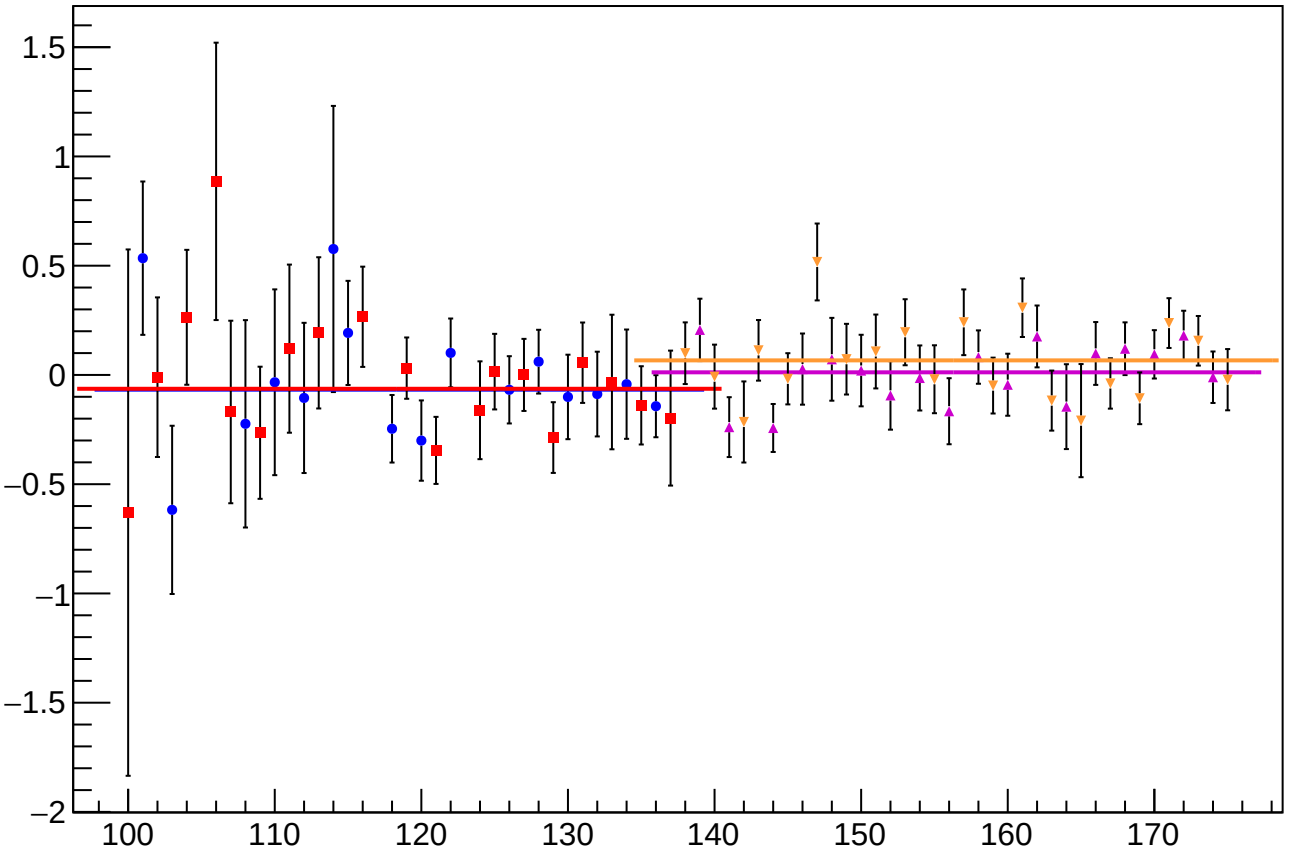
Left: 0.008+/-0.000 χ^2/NDF: 3405528.0/37

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6704090.1/33

Out: 0.007+/-0.000 χ^2/NDF:8367501.5/38

All: 0.007+/-0.000 χ^2/NDF: 15256711.6/72



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

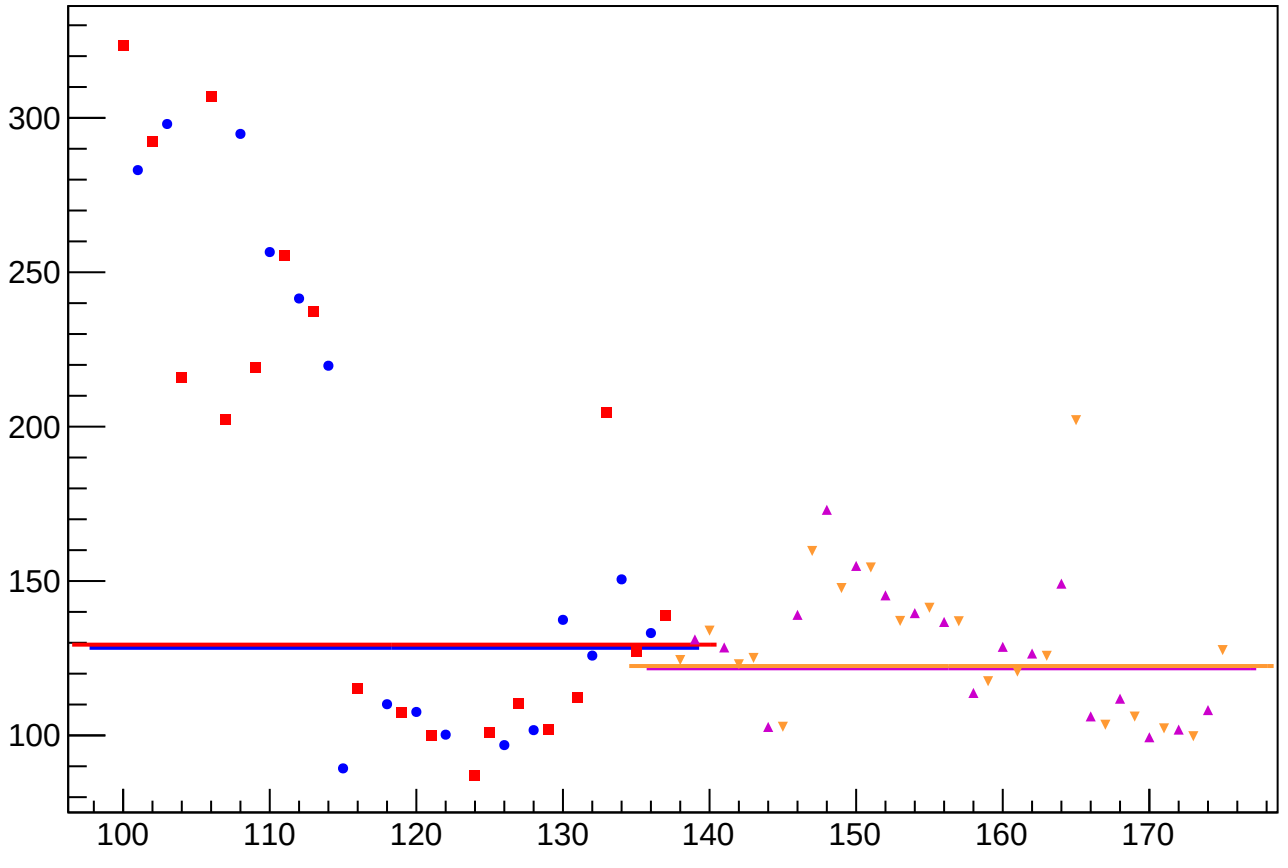
Left: 0.040+/-0.022 χ^2/NDF: 46.0/37

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.5/72



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

Left: 122.112+/-0.016 χ^2/NDF: 1458912.6/37

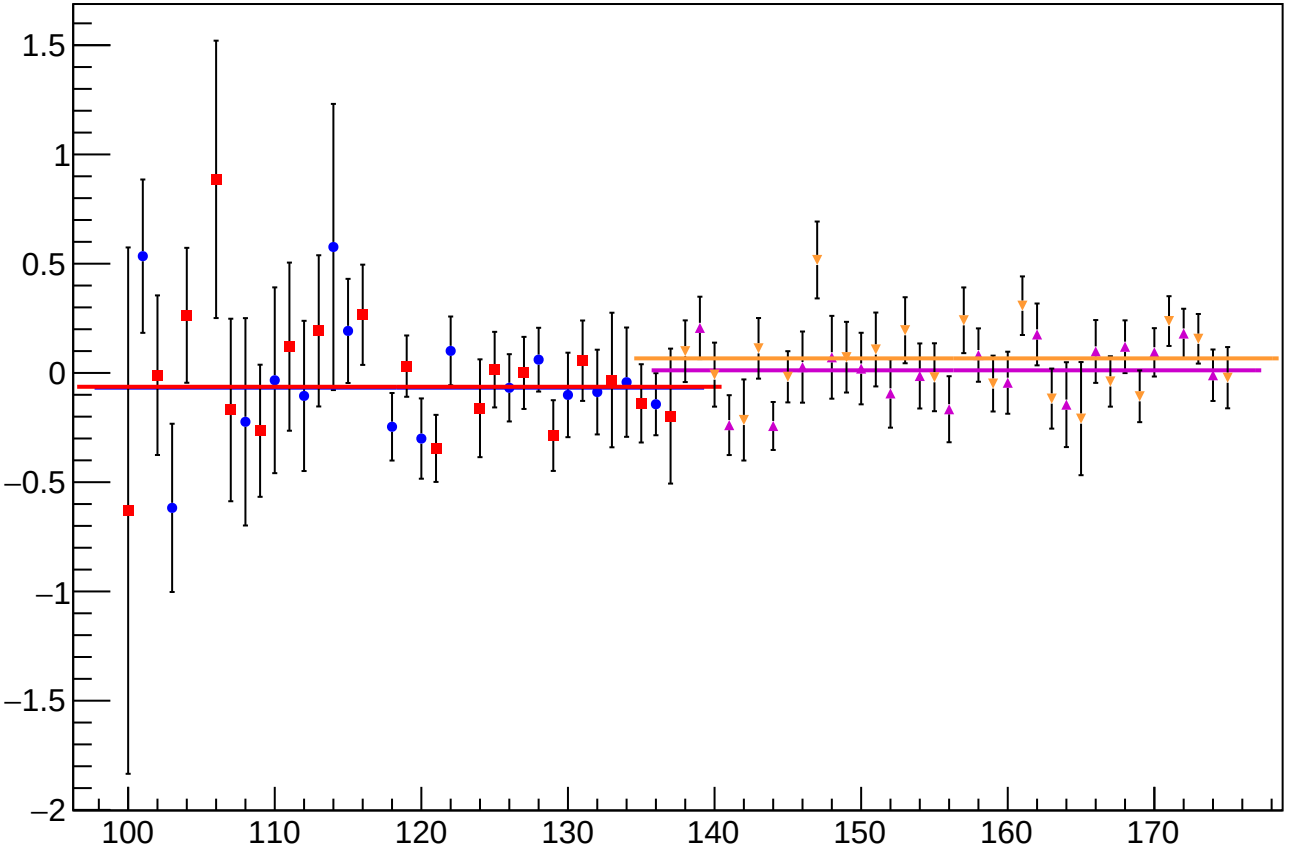
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.591+/-0.019 χ^2/NDF:2508706.7/33

Out: 124.330+/-0.019 χ^2/NDF:2693039.5/38

All: 123.969+/-0.014 χ^2/NDF: 5202489.6/72

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

Left: 0.040+/-0.022 χ^2/NDF: 46.0/37

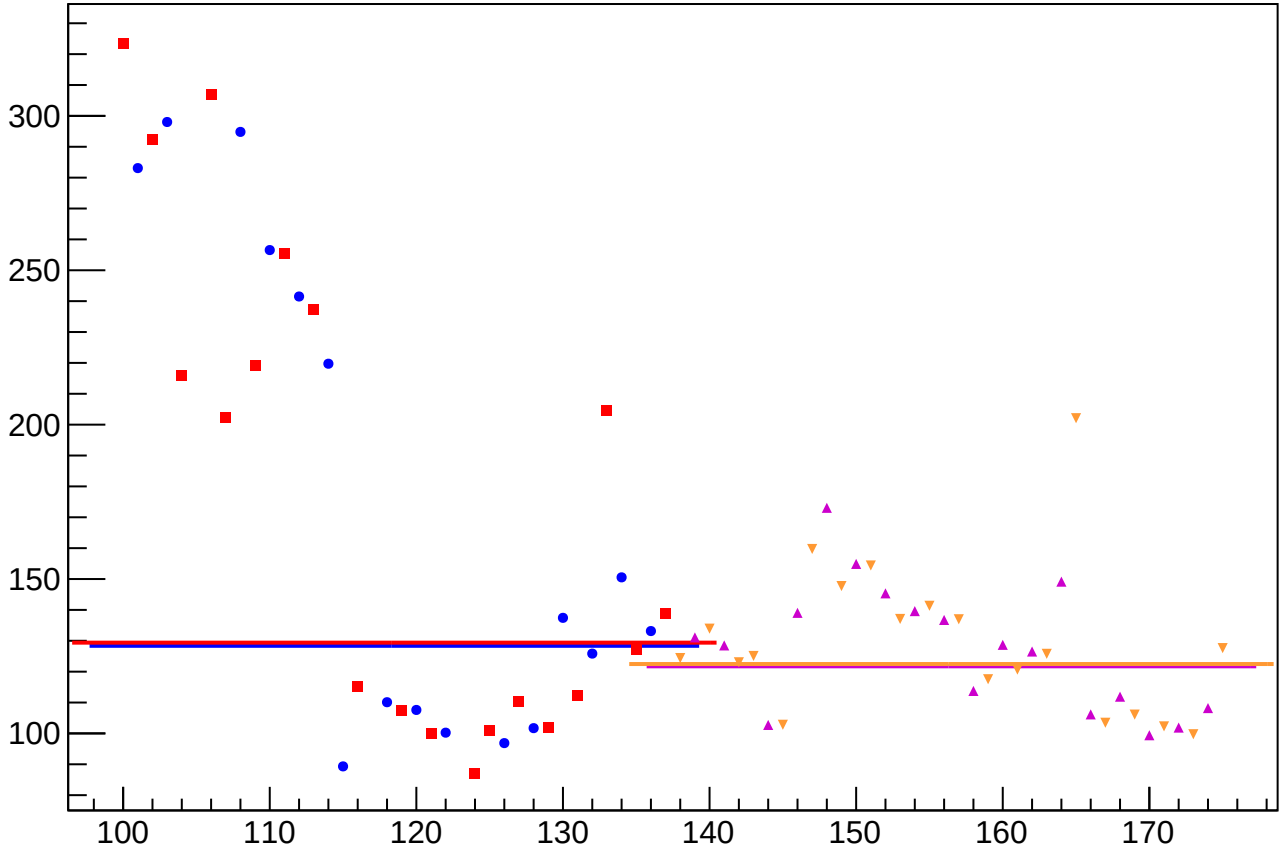
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.5/72

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

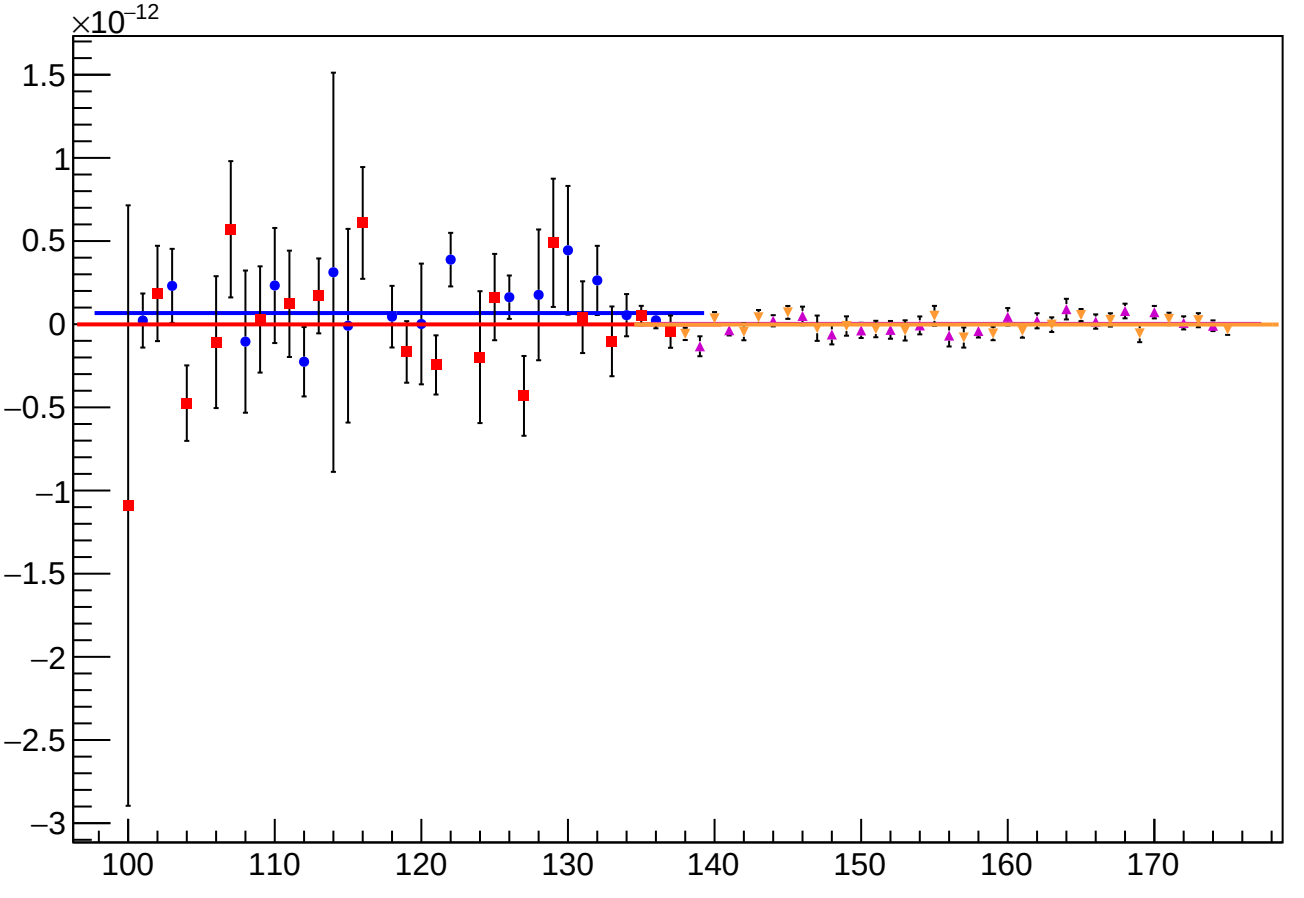
Left: 122.112+/-0.016 χ^2/NDF: 1458912.6/37

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.591+/-0.019 χ^2/NDF:2508706.7/33

Out: 124.330+/-0.019 χ^2/NDF:2693039.5/38

All: 123.969+/-0.014 χ^2/NDF: 5202489.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/17

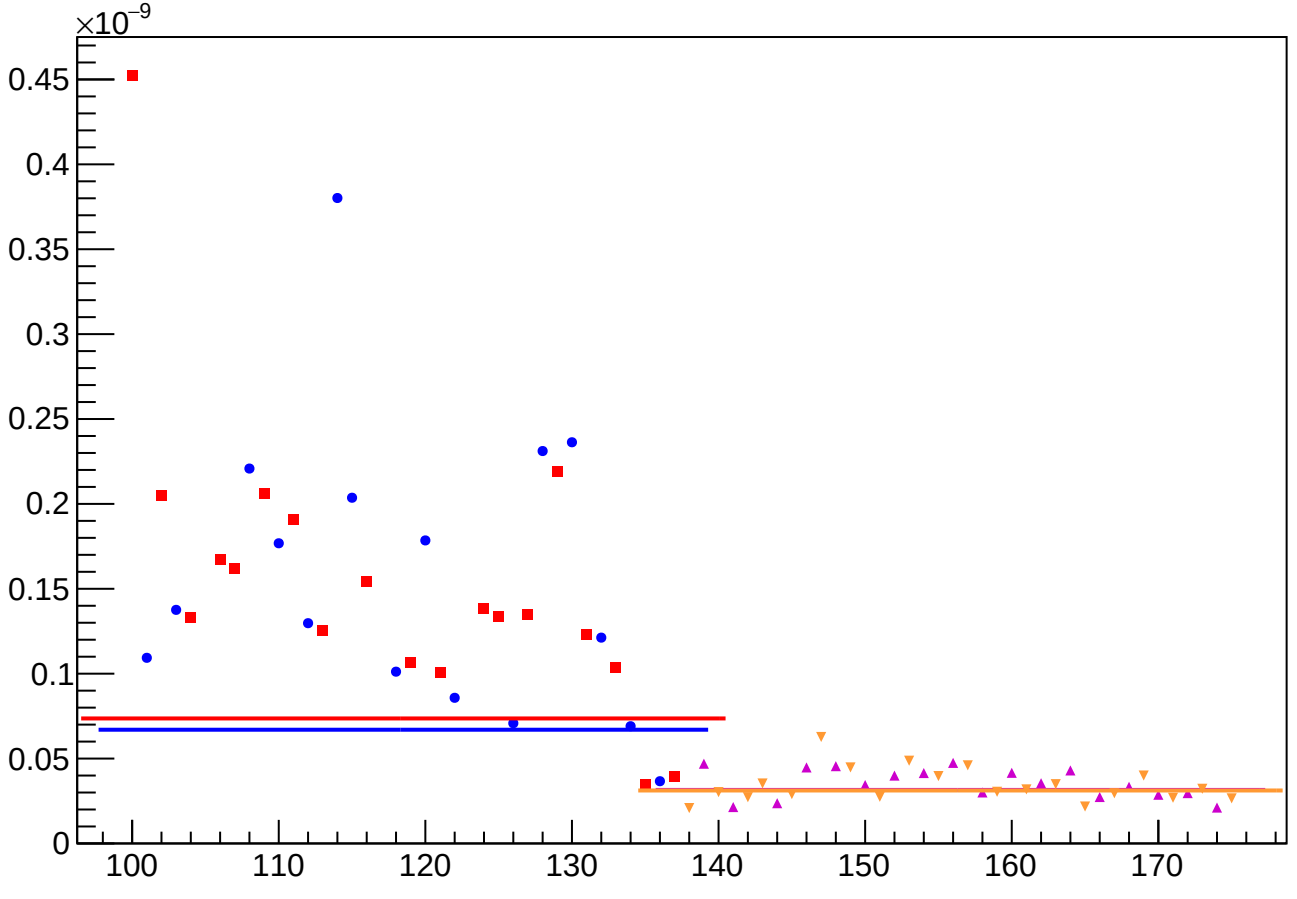
Left: -0.000+/-0.000 χ^2/NDF: 42.1/37

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.3/33

Out: -0.000+/-0.000 χ^2/NDF:40.8/38

All: 0.000+/-0.000 χ^2/NDF: 76.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258584.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1316976.2/17

Left: 0.000+/-0.000 χ^2/NDF: 2576593.0/37

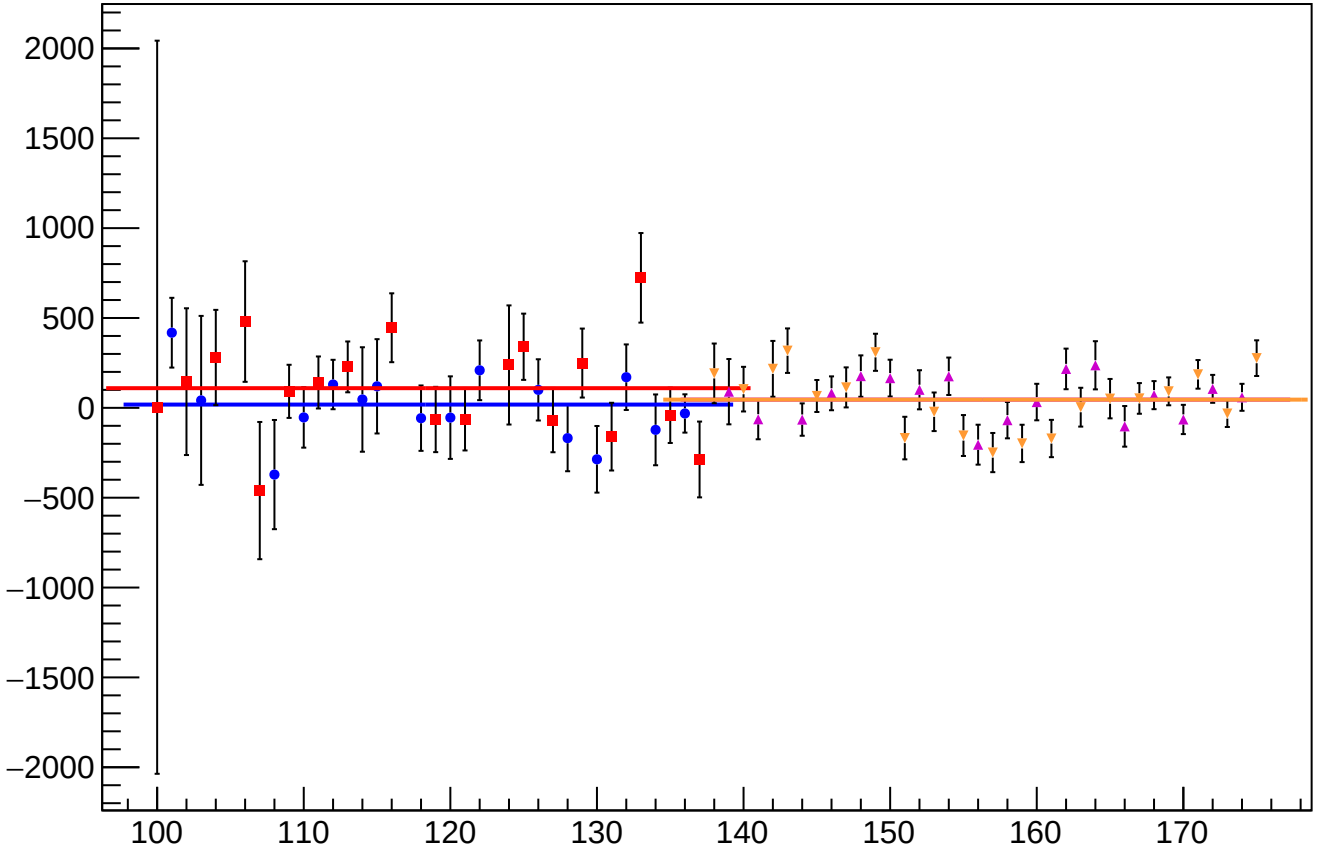
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6279223.3/33

Out: 0.000+/-0.000 χ^2/NDF:7096616.9/38

All: 0.000+/-0.000 χ^2/NDF: 13378800.0/72

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.682+/-22.803 χ^2/NDF:48.0/19

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 45.733+/-23.313 χ^2/NDF:22.2/17

Left: 45.707+/-16.301 χ^2/NDF: 70.1/37

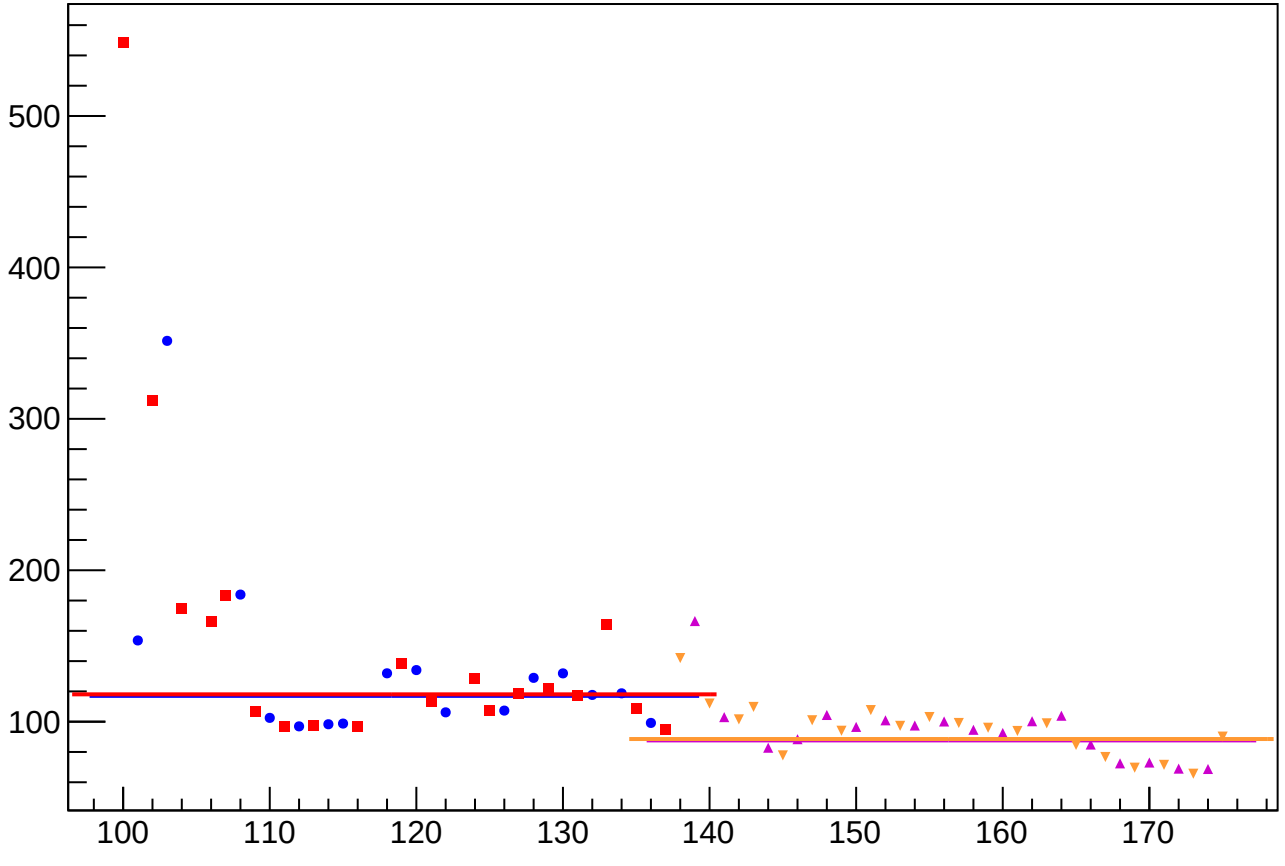
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 40.049+/-20.767 χ^2/NDF:36.3/33

Out: 58.335+/-20.415 χ^2/NDF:75.0/38

All: 49.348+/-14.558 χ^2/NDF: 111.7/72

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.5/19

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

Left: 88.106+/-0.012 χ^2/NDF: 2005301.6/37

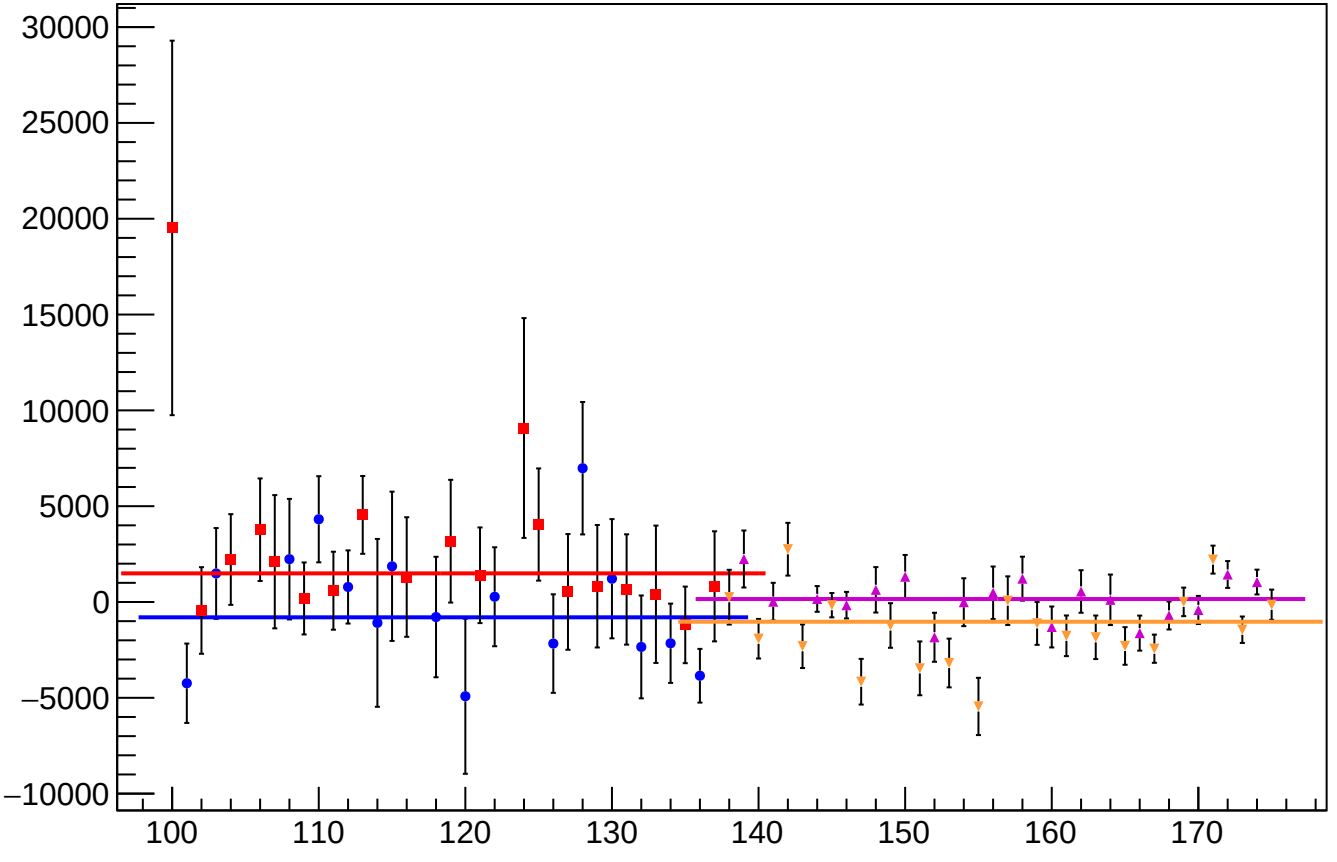
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.716+/-0.015 χ^2/NDF:2518012.3/33

Out: 94.407+/-0.014 χ^2/NDF:2657205.6/38

All: 94.067+/-0.010 χ^2/NDF: 5176341.8/72

asym_sam3_reg_correction_mean vs Slug, Sign Corrected



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1030.317+/-215.197 χ^2/NDF:64.2/19

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 154.869+/-215.937 χ^2/NDF:19.8/17

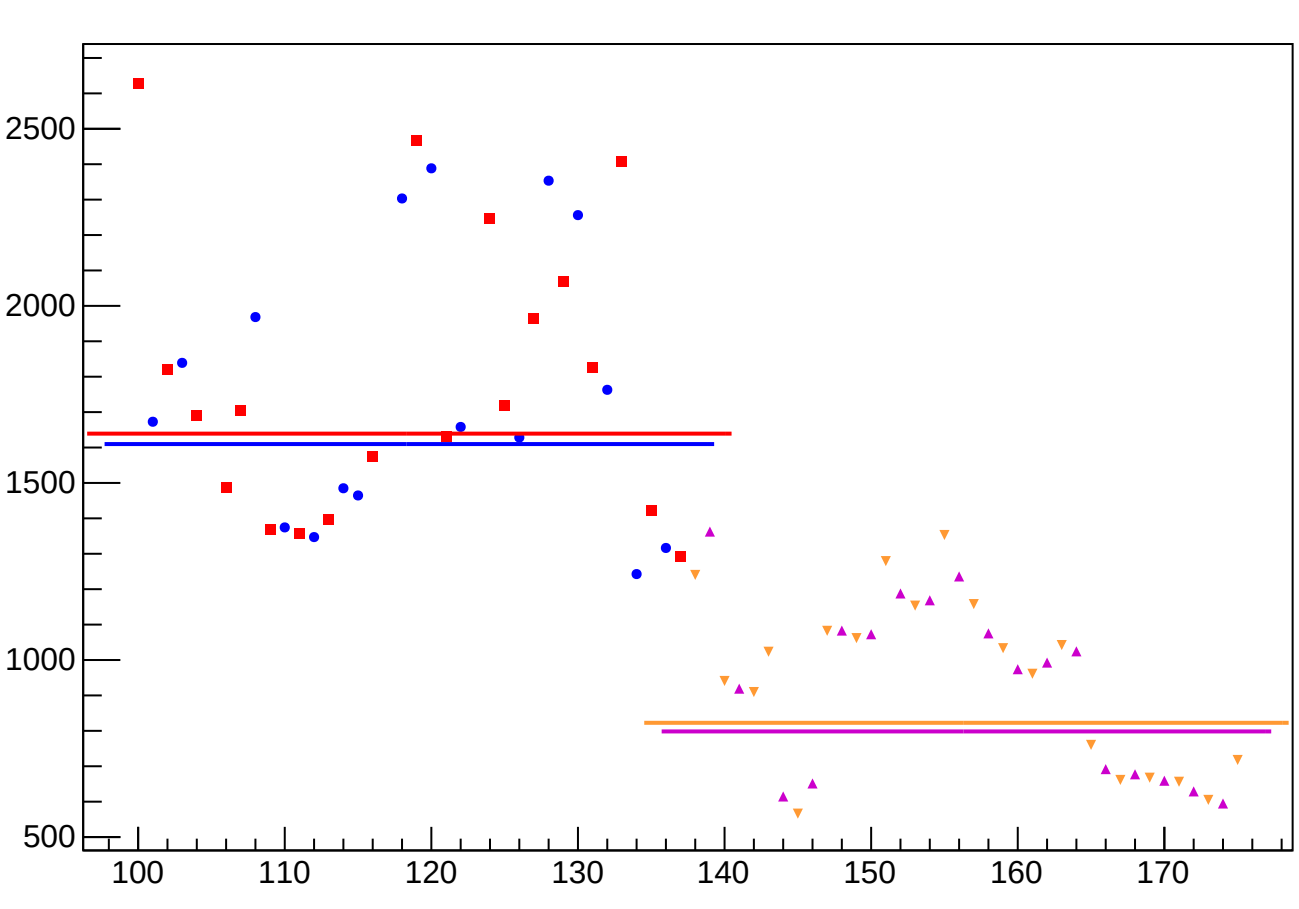
Left: -439.758+/-152.428 χ^2/NDF: 99.1/37

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 50.470+/-203.779 χ^2/NDF:45.4/33

Out: -753.443+/-203.052 χ^2/NDF:92.2/38

All: -352.924+/-143.836 χ^2/NDF: 145.3/72



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221064.6/19

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 798.322+/-0.153 χ^2/NDF:2115625.5/17

Left: 810.552+/-0.108 χ^2/NDF: 4349478.0/37

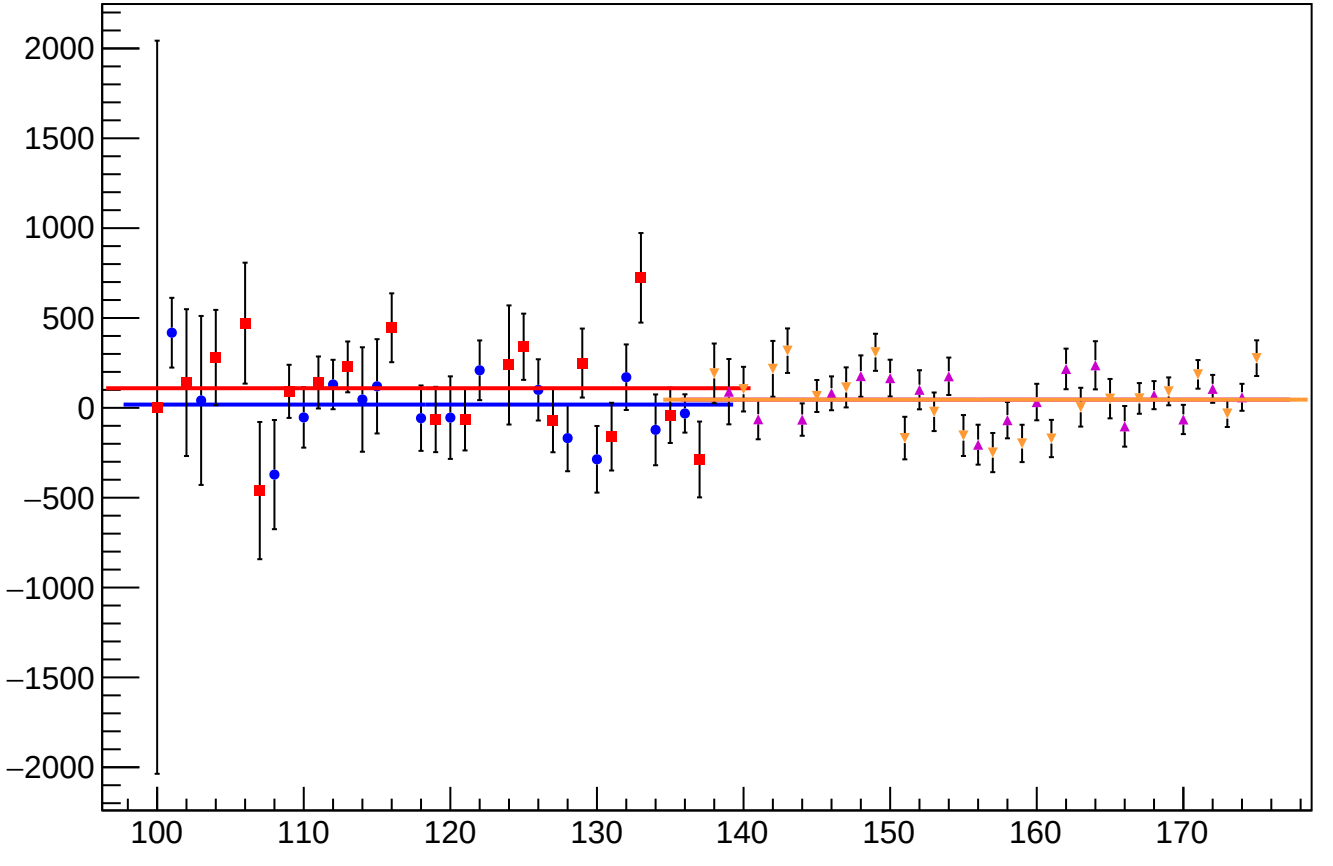
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 887.122+/-0.144 χ^2/NDF:5825451.5/33

Out: 912.263+/-0.144 χ^2/NDF:5899677.0/38

All: 899.738+/-0.102 χ^2/NDF: 11740404.4/72

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 45.734+/-23.313 χ^2/NDF:22.1/17

Left: 45.710+/-16.301 χ^2/NDF: 70.1/37

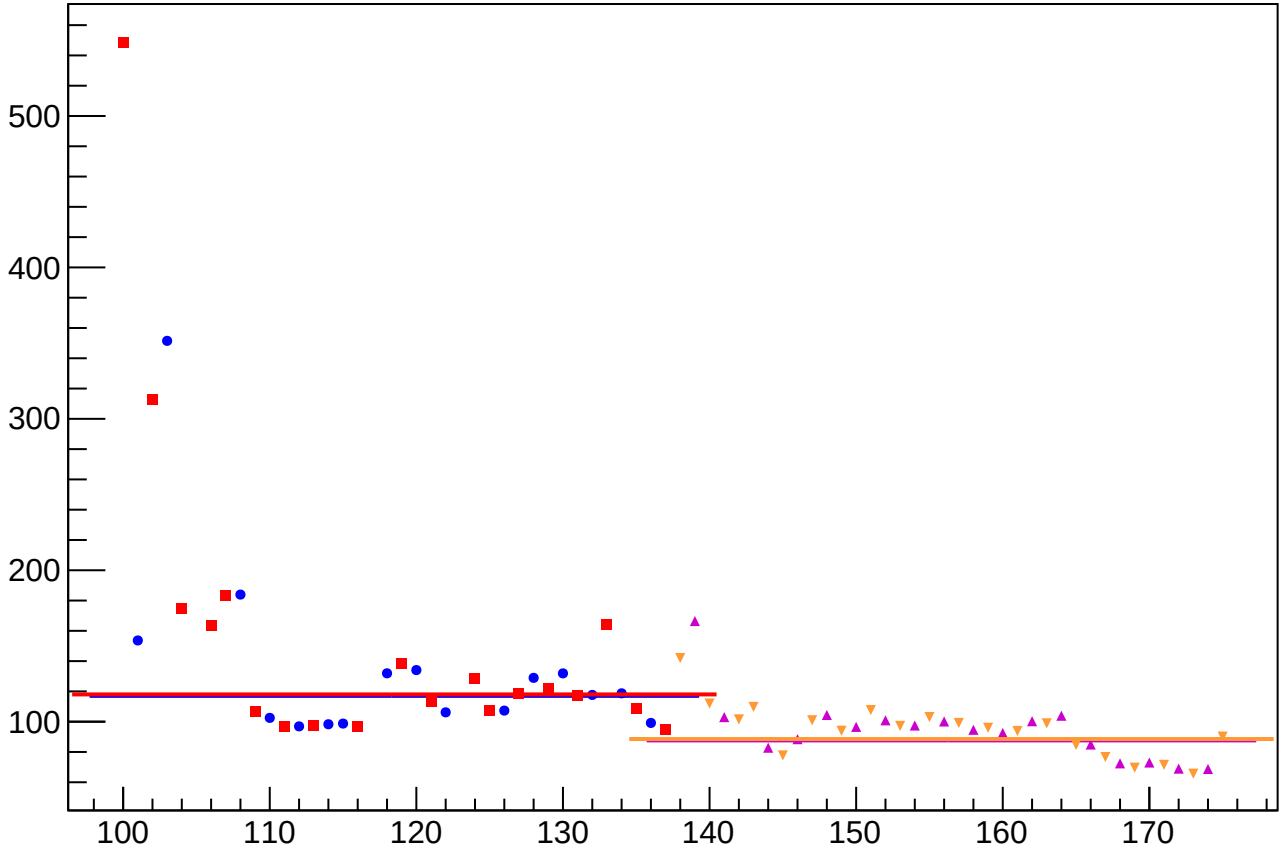
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 40.047+/-20.767 χ^2/NDF:36.3/33

Out: 58.281+/-20.415 χ^2/NDF:74.9/38

All: 49.320+/-14.559 χ^2/NDF: 111.6/72

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

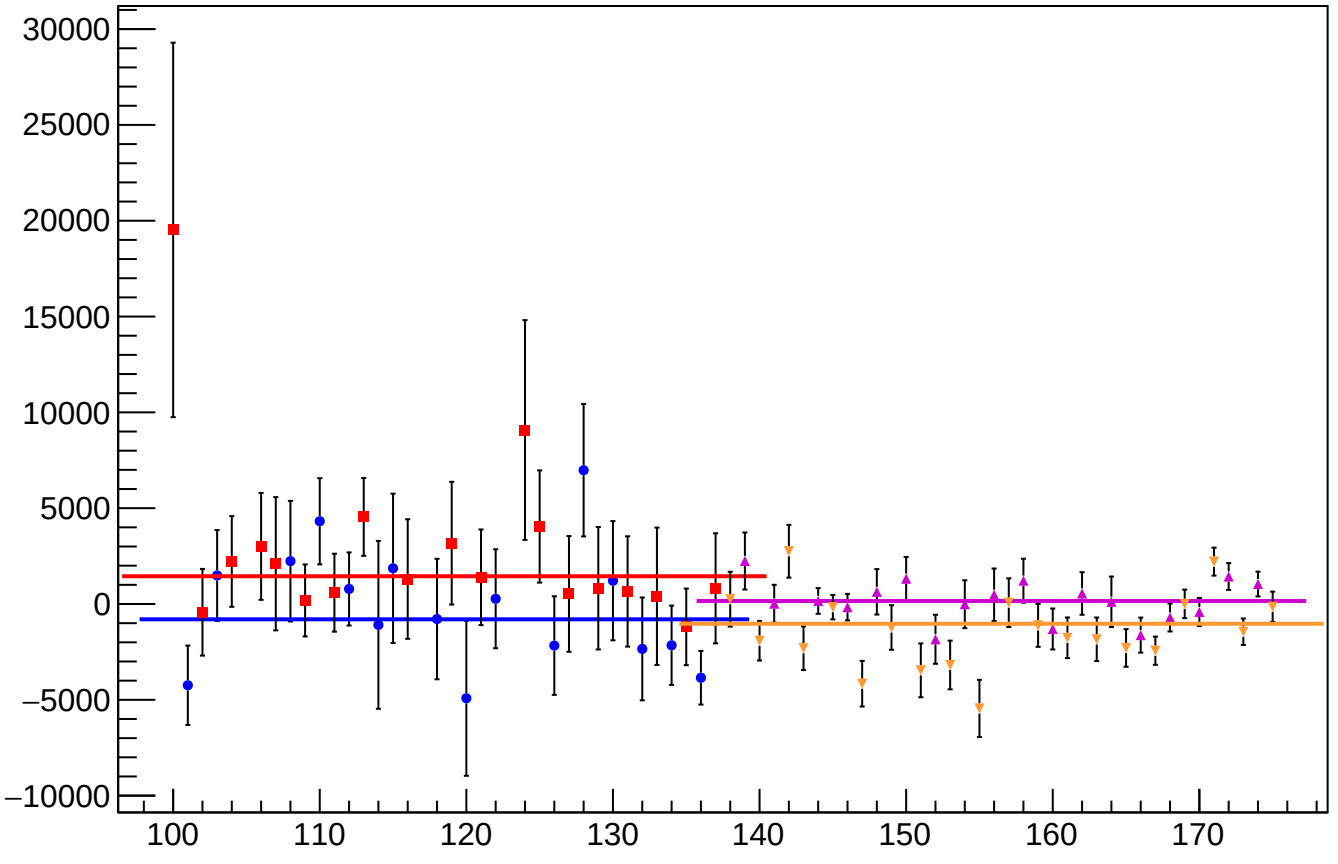
Left: 88.106+/-0.012 χ^2/NDF: 2005301.5/37

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.716+/-0.015 χ^2/NDF:2518014.0/33

Out: 94.396+/-0.014 χ^2/NDF:2650610.6/38

All: 94.062+/-0.010 χ^2/NDF: 5169713.2/72



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 154.872+/-215.937 χ^2/NDF:19.8/17

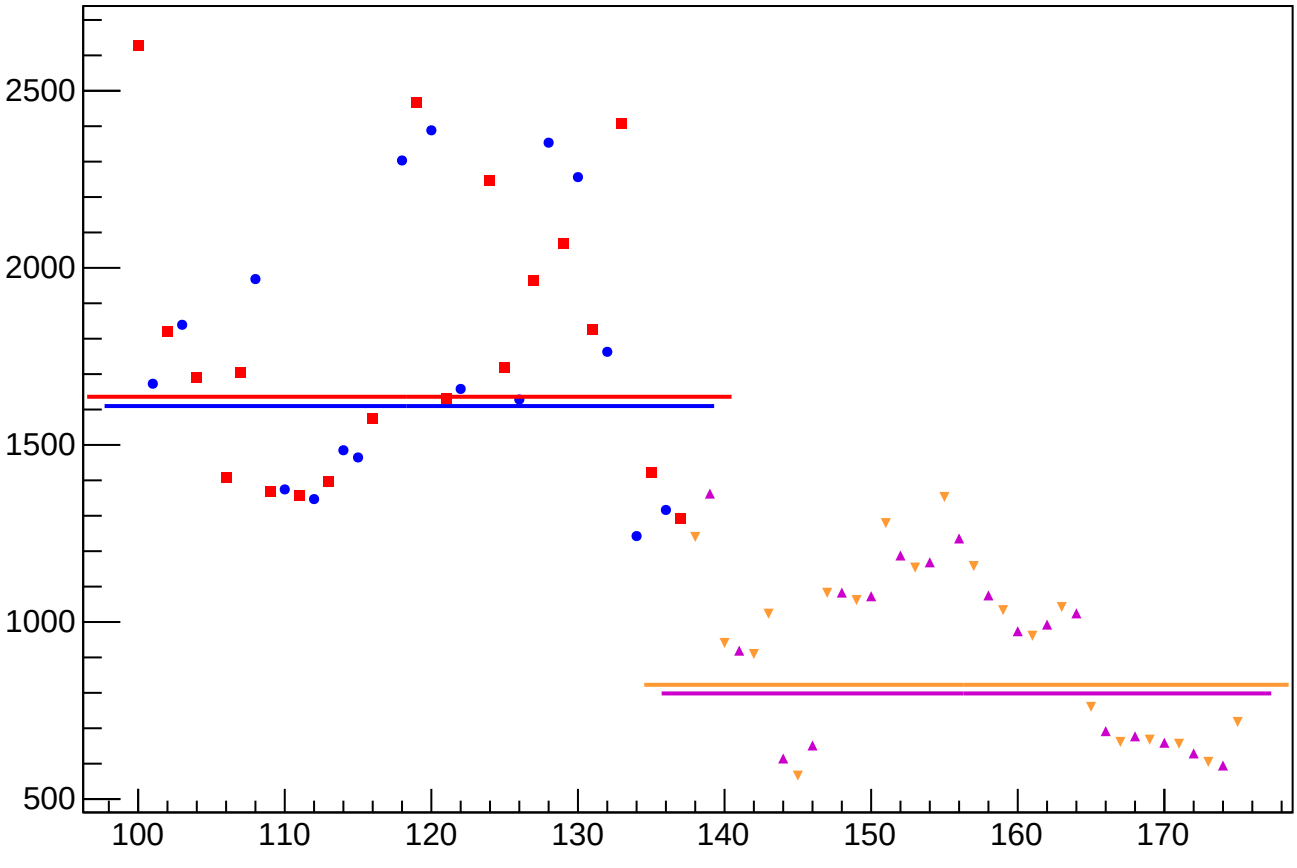
Left: -439.753+/-152.428 χ^2/NDF: 99.1/37

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 50.476+/-203.779 χ^2/NDF:45.4/33

Out: -759.483+/-203.100 χ^2/NDF:91.1/38

All: -355.855+/-143.853 χ^2/NDF: 144.4/72



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

Left: 810.552+/-0.108 χ^2/NDF: 4349479.4/37

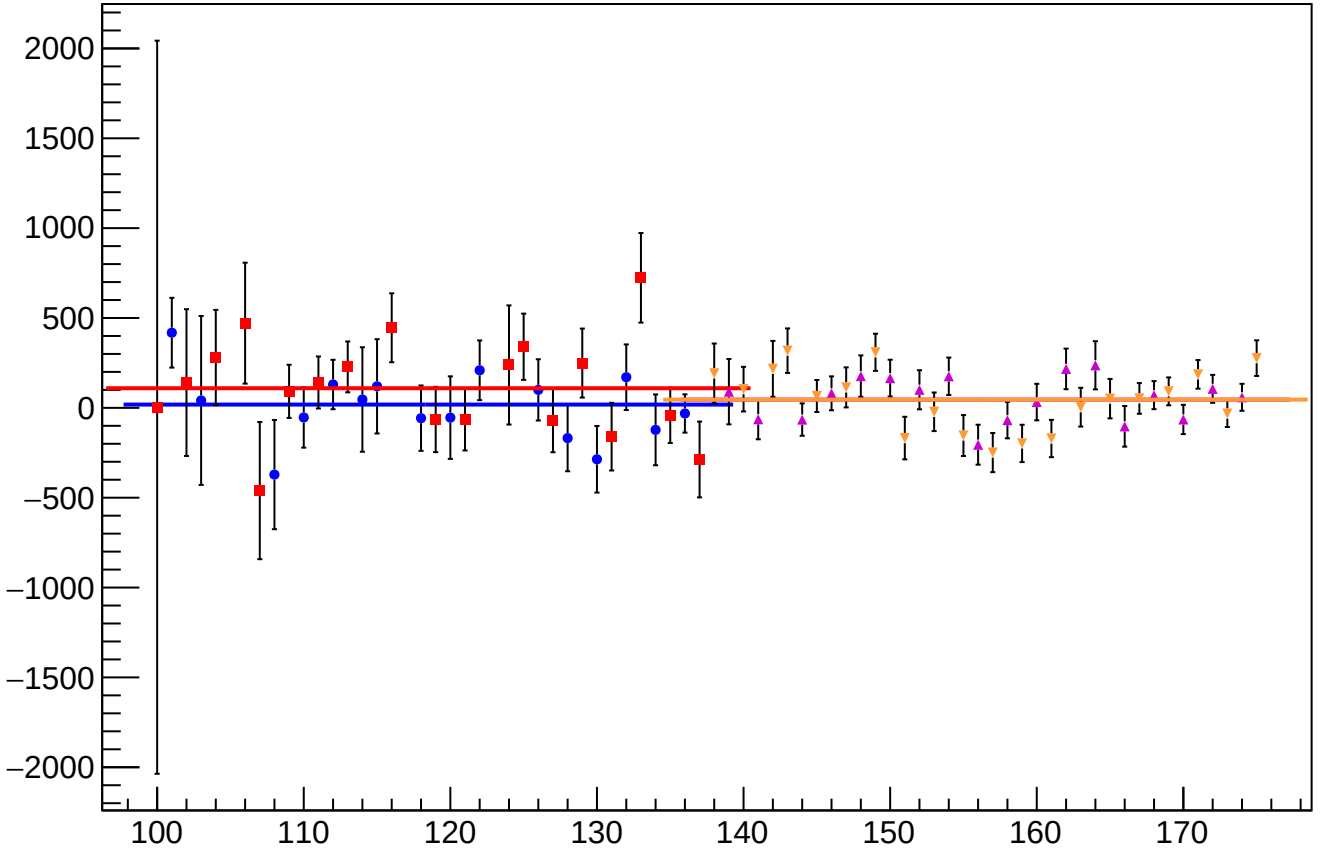
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 887.122+/-0.144 χ^2/NDF:5825510.4/33

Out: 911.564+/-0.144 χ^2/NDF:5870426.0/38

All: 899.384+/-0.102 χ^2/NDF: 11710371.6/72

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 45.734+/-23.313 χ^2/NDF:22.1/17

Left: 45.710+/-16.301 χ^2/NDF: 70.1/37

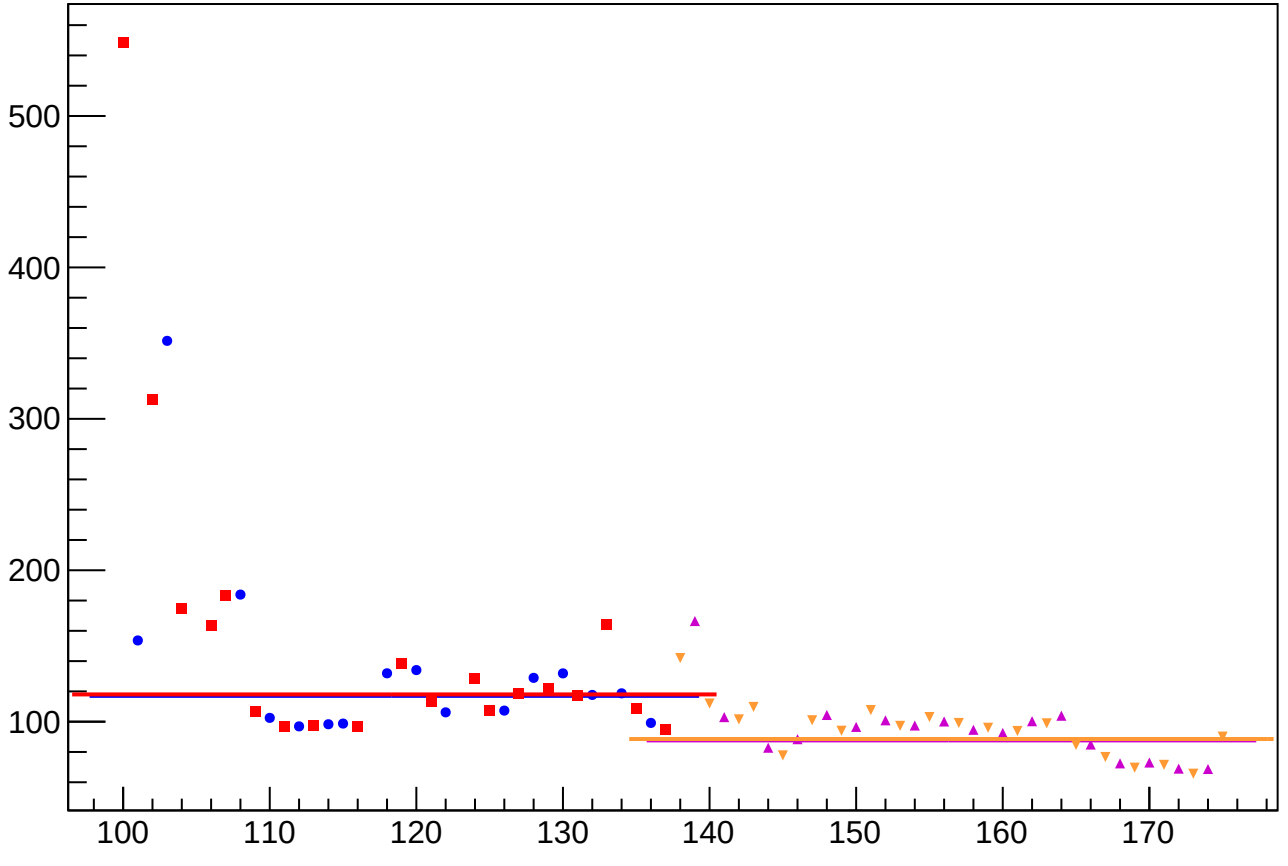
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 40.047+/-20.767 χ^2/NDF:36.3/33

Out: 58.281+/-20.415 χ^2/NDF:74.9/38

All: 49.320+/-14.559 χ^2/NDF: 111.6/72

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

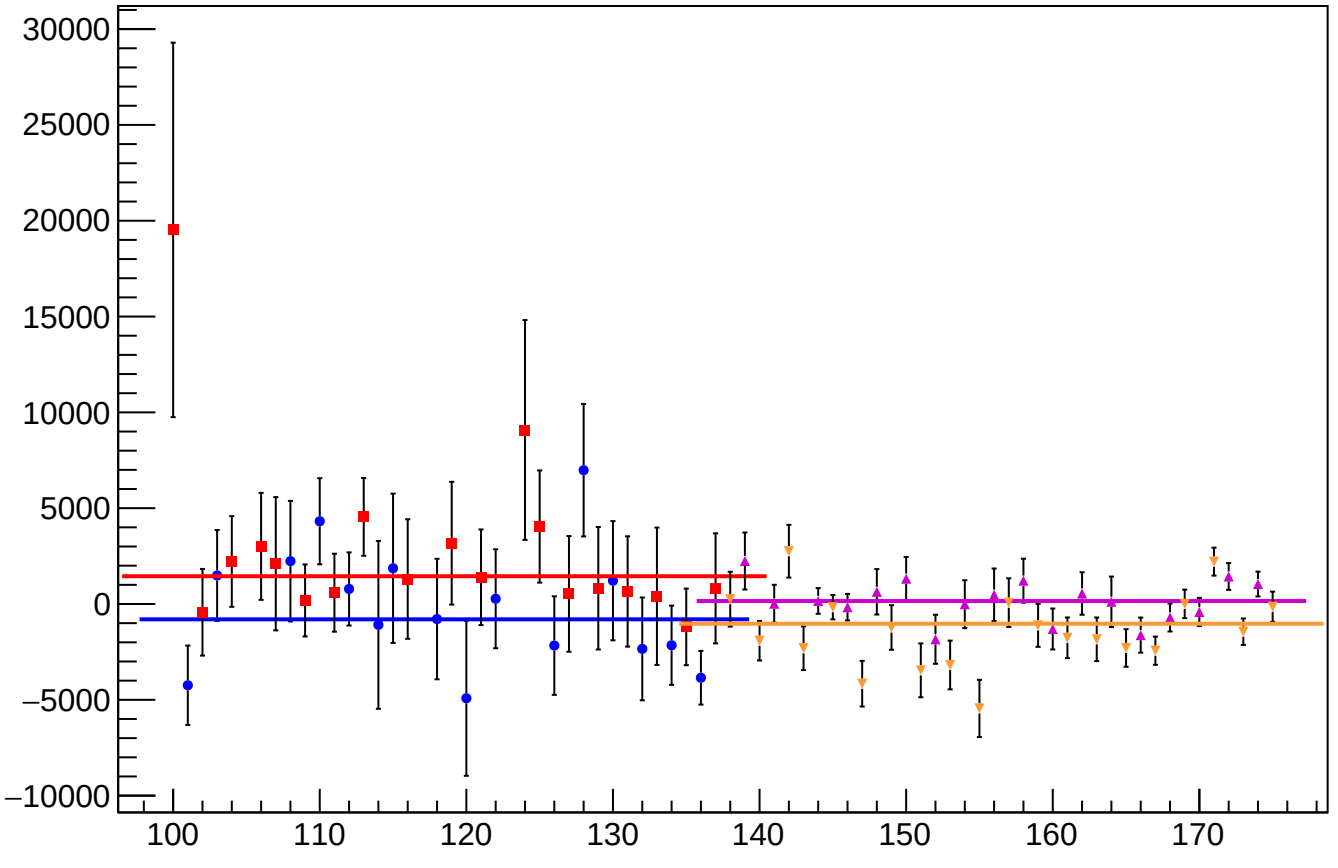
Left: 88.106+/-0.012 χ^2/NDF: 2005301.5/37

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.716+/-0.015 χ^2/NDF:2518014.0/33

Out: 94.396+/-0.014 χ^2/NDF:2650610.6/38

All: 94.062+/-0.010 χ^2/NDF: 5169713.2/72



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 154.872+/-215.937 χ^2/NDF:19.8/17

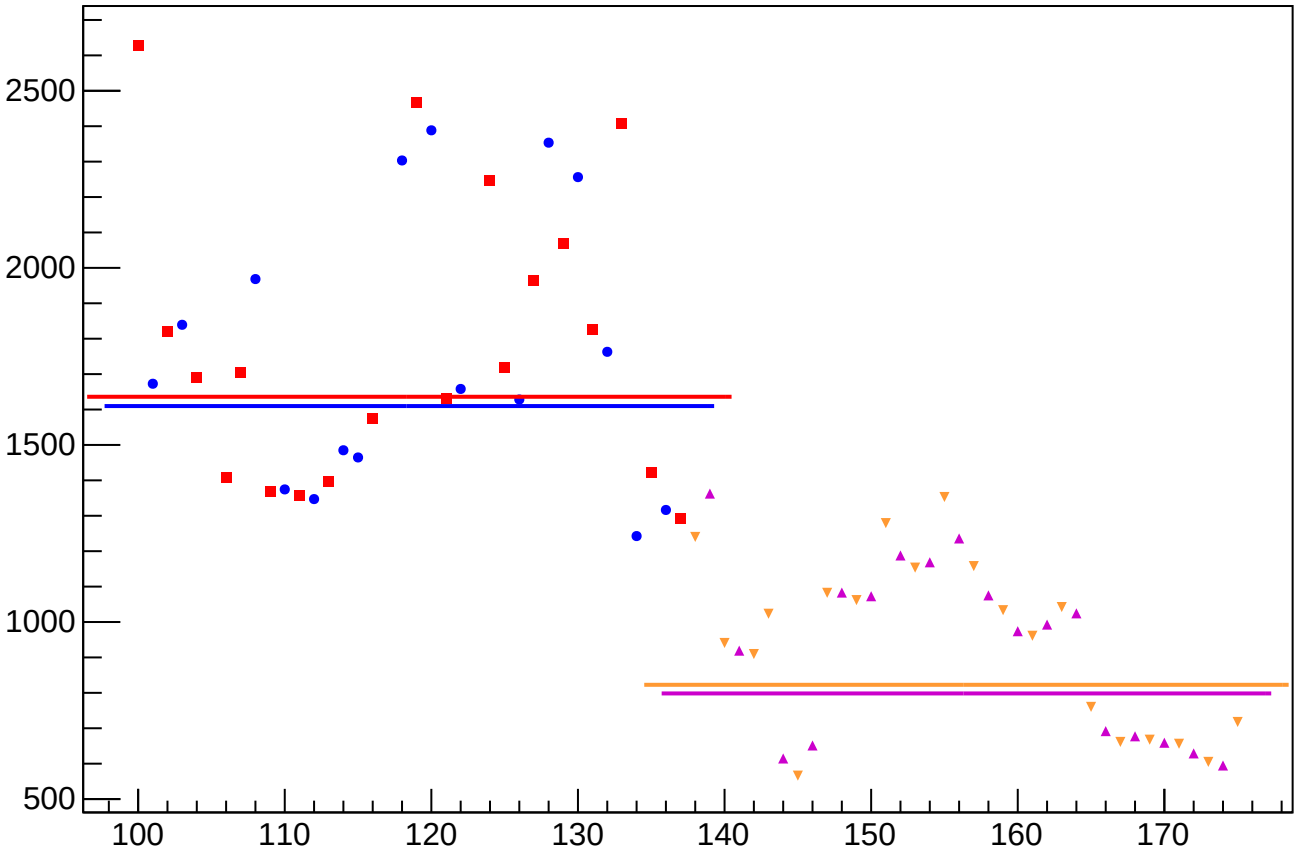
Left: -439.753+/-152.428 χ^2/NDF: 99.1/37

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 50.476+/-203.779 χ^2/NDF:45.4/33

Out: -759.483+/-203.100 χ^2/NDF:91.1/38

All: -355.855+/-143.853 χ^2/NDF: 144.4/72



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

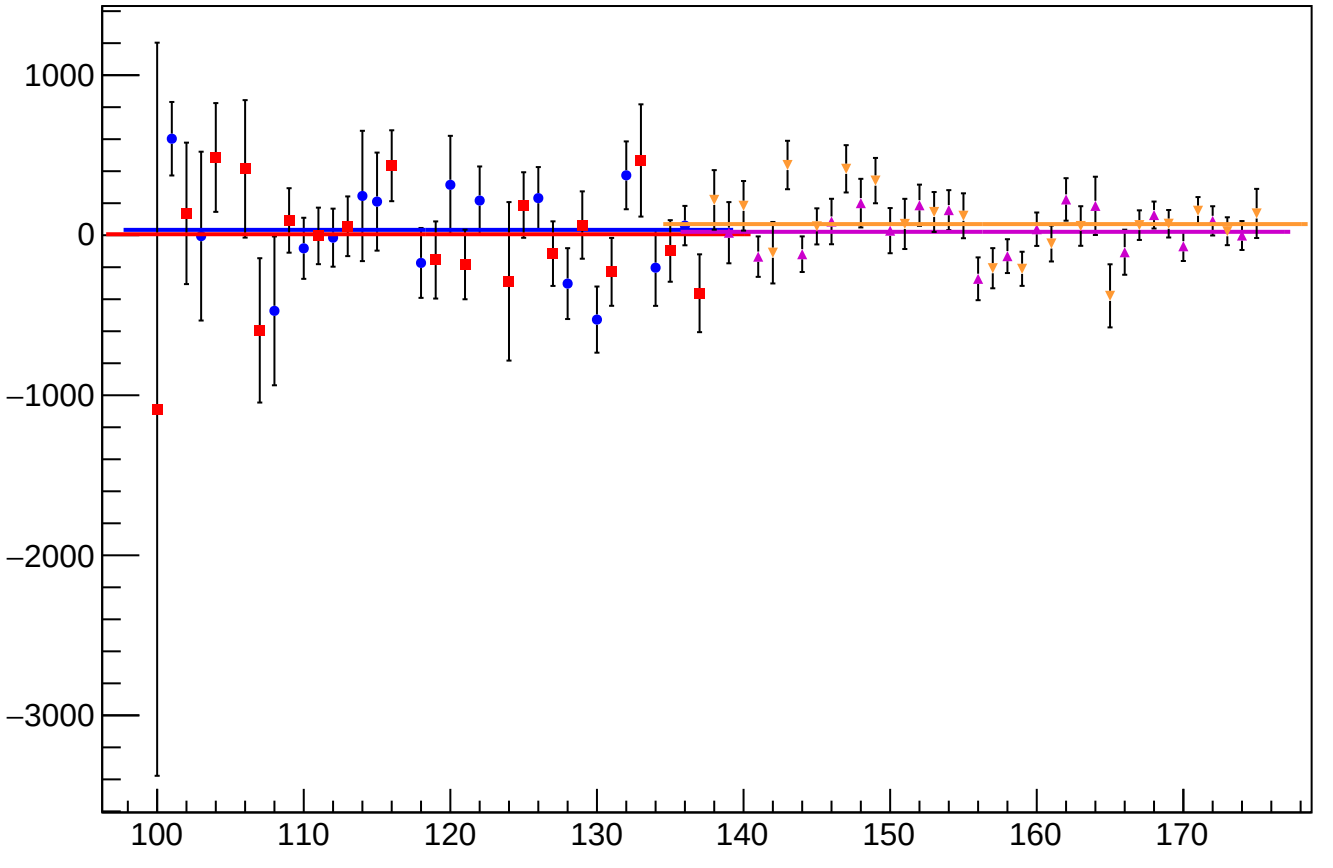
Left: 810.552+/-0.108 χ^2/NDF: 4349479.4/37

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 887.122+/-0.144 χ^2/NDF:5825510.4/33

Out: 911.564+/-0.144 χ^2/NDF:5870426.0/38

All: 899.384+/-0.102 χ^2/NDF: 11710371.6/72



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.497+/-27.154 χ^2/NDF:37.1/19

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 21.168+/-27.589 χ^2/NDF:21.5/17

Left: 45.717+/-19.353 χ^2/NDF: 60.2/37

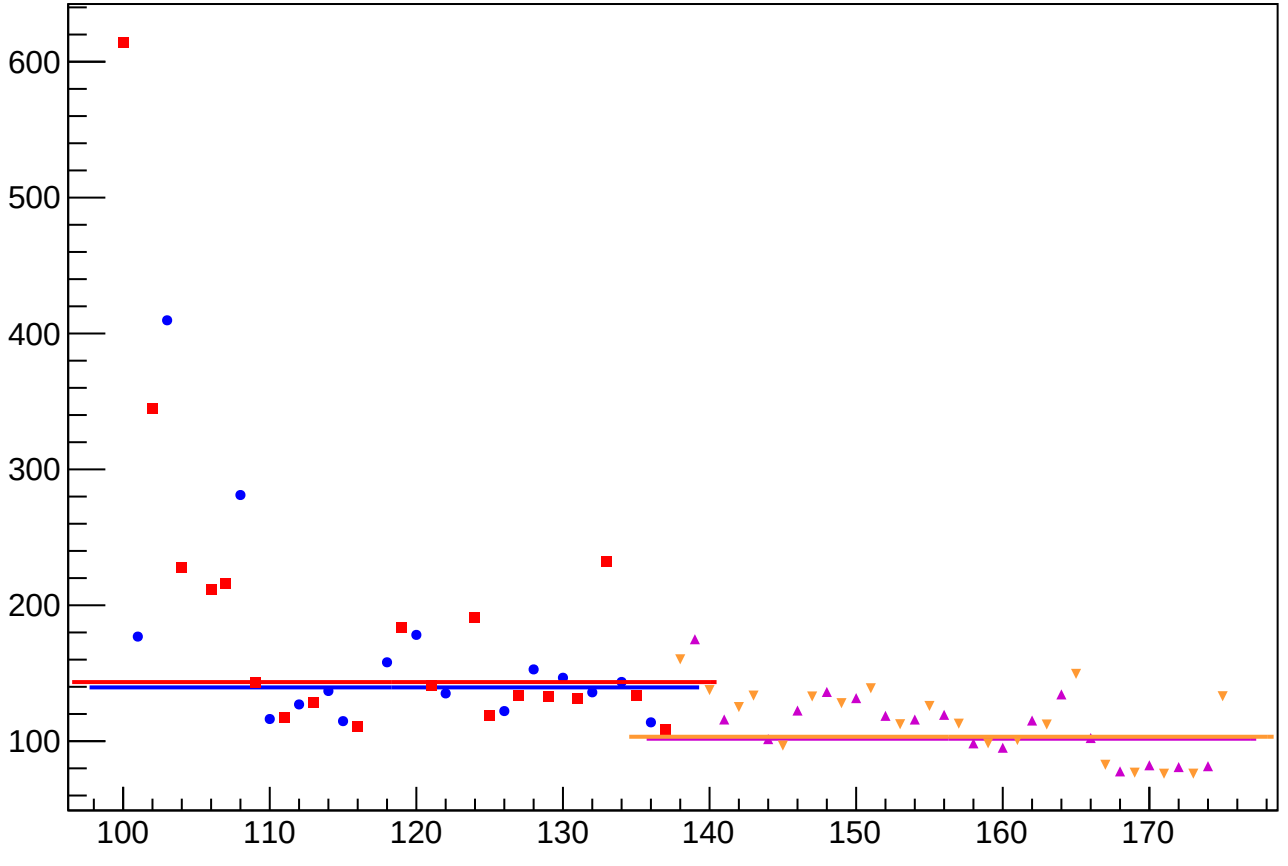
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 23.648+/-24.652 χ^2/NDF:46.7/33

Out: 57.462+/-24.440 χ^2/NDF:55.5/38

All: 40.701+/-17.356 χ^2/NDF: 103.1/72

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604509.4/19

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 101.798+/-0.020 χ^2/NDF:1199683.2/17

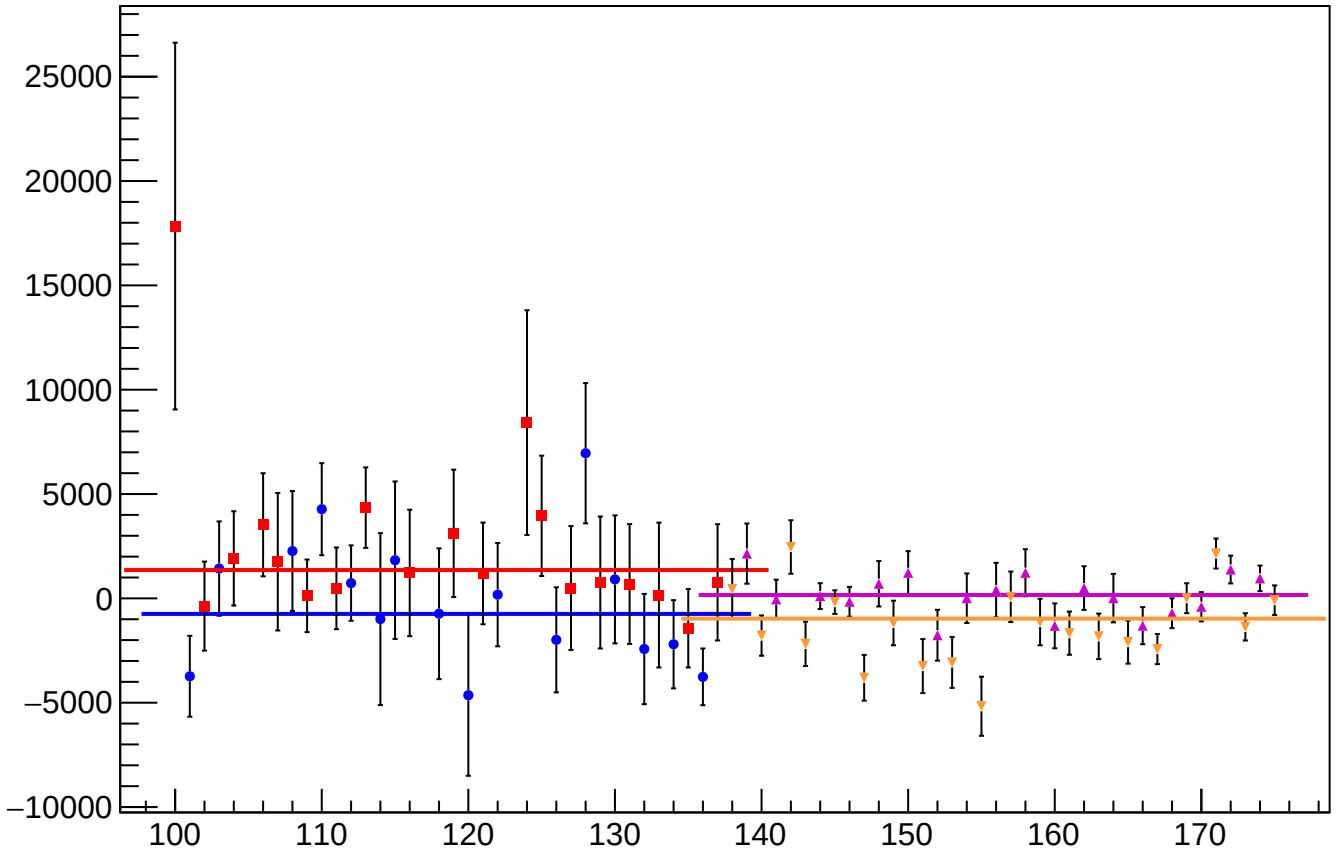
Left: 102.537+/-0.014 χ^2/NDF: 2807018.4/37

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 109.411+/-0.017 χ^2/NDF:2931965.7/33

Out: 110.890+/-0.017 χ^2/NDF:3554556.5/38

All: 110.157+/-0.012 χ^2/NDF: 6490154.2/72



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 163.265+/-206.534 χ^2/NDF:18.9/17

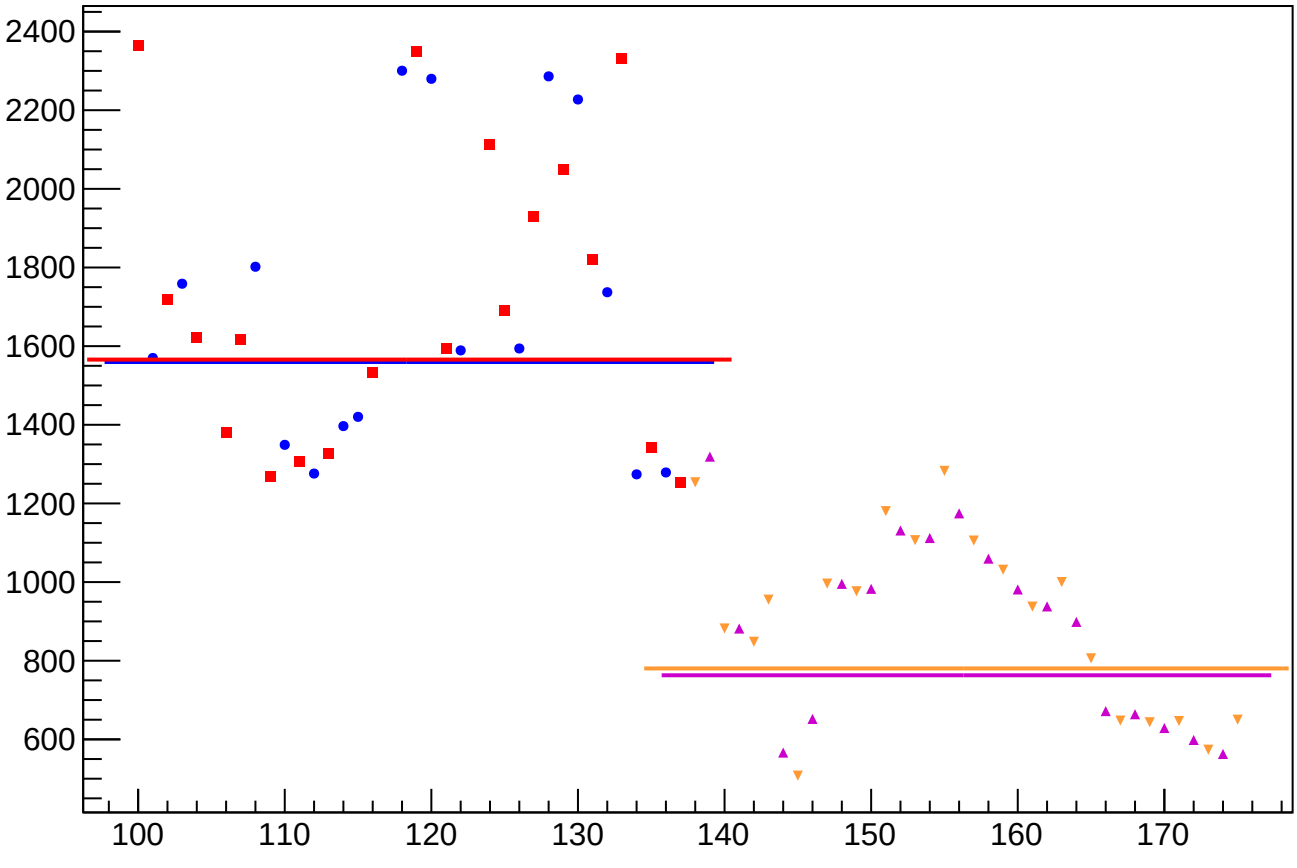
Left: -409.910+/-145.187 χ^2/NDF: 97.5/37

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 65.868+/-195.142 χ^2/NDF:44.4/33

Out: -717.811+/-192.770 χ^2/NDF:91.1/38

All: -330.763+/-137.140 χ^2/NDF: 143.6/72



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 780.369+/-0.144 χ^2/NDF:2346346.5/19

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 762.991+/-0.146 χ^2/NDF:2089919.6/17

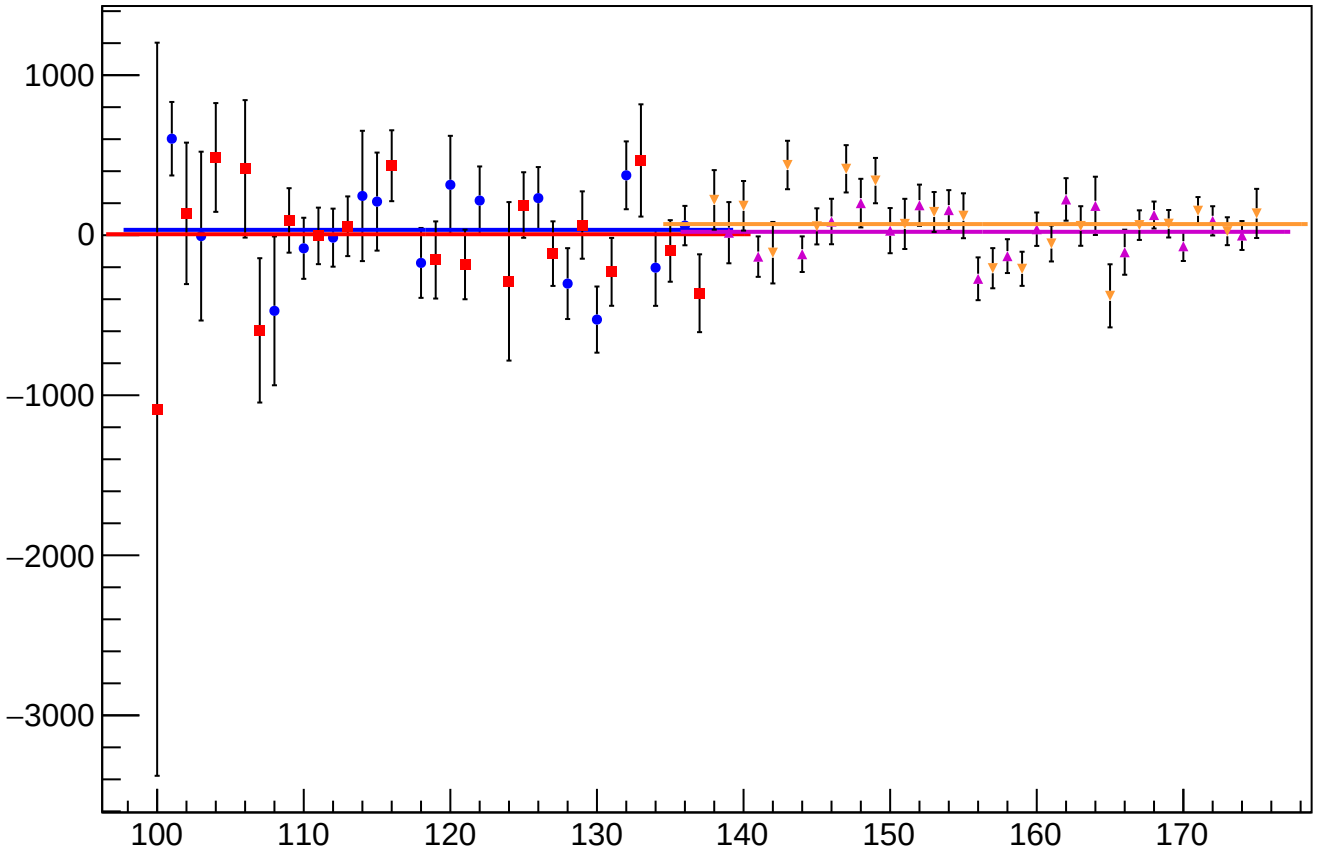
Left: 771.781+/-0.103 χ^2/NDF: 4443428.3/37

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 848.459+/-0.138 χ^2/NDF:5886932.3/33

Out: 865.420+/-0.136 χ^2/NDF:6116246.9/38

All: 857.043+/-0.097 χ^2/NDF: 12010825.9/72



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.498+/-27.154 χ^2/NDF:37.1/19

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 21.167+/-27.589 χ^2/NDF:21.5/17

Left: 45.717+/-19.353 χ^2/NDF: 60.2/37

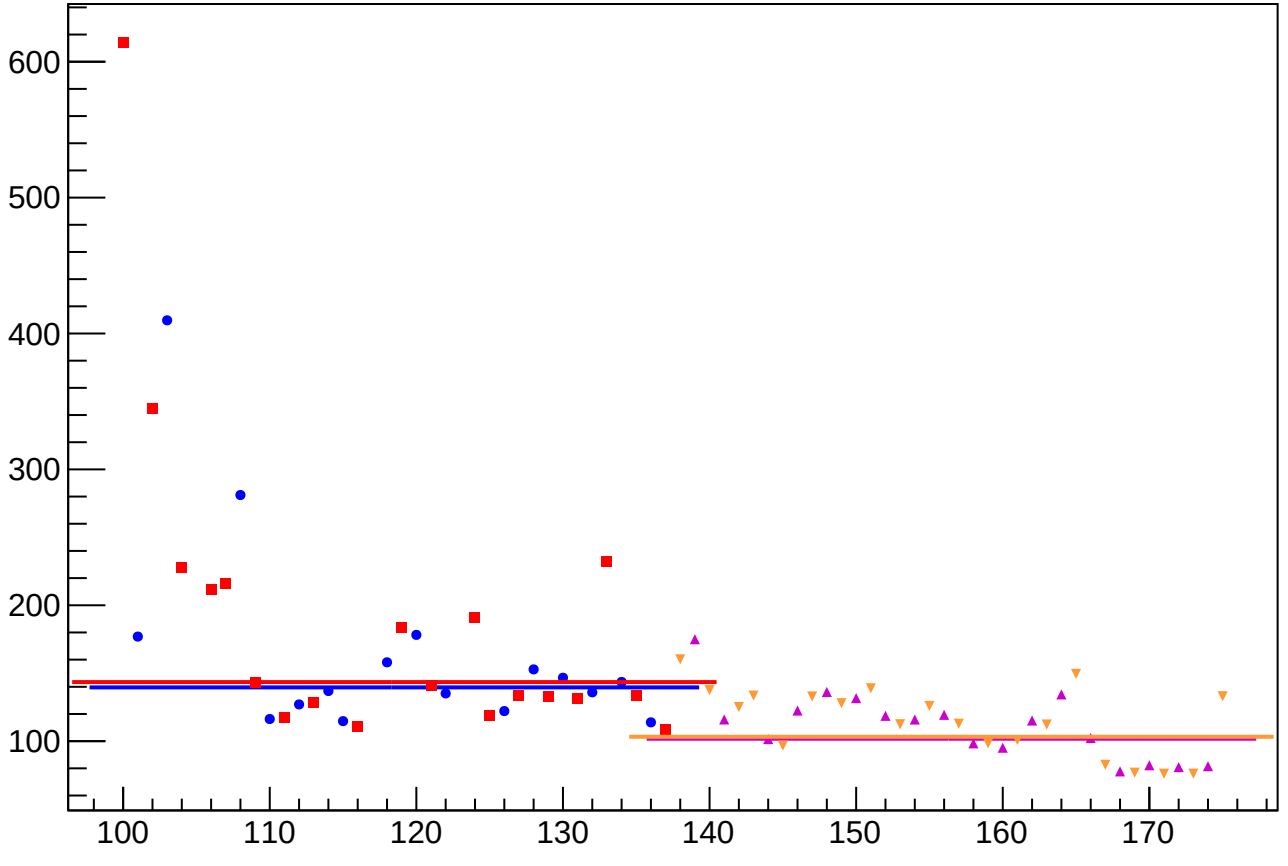
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 23.647+/-24.652 χ^2/NDF:46.7/33

Out: 57.462+/-24.440 χ^2/NDF:55.5/38

All: 40.700+/-17.356 χ^2/NDF: 103.1/72

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604535.1/19

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.798+/-0.020 χ^2/NDF:1199697.8/17

Left: 102.537+/-0.014 χ^2/NDF: 2807058.6/37

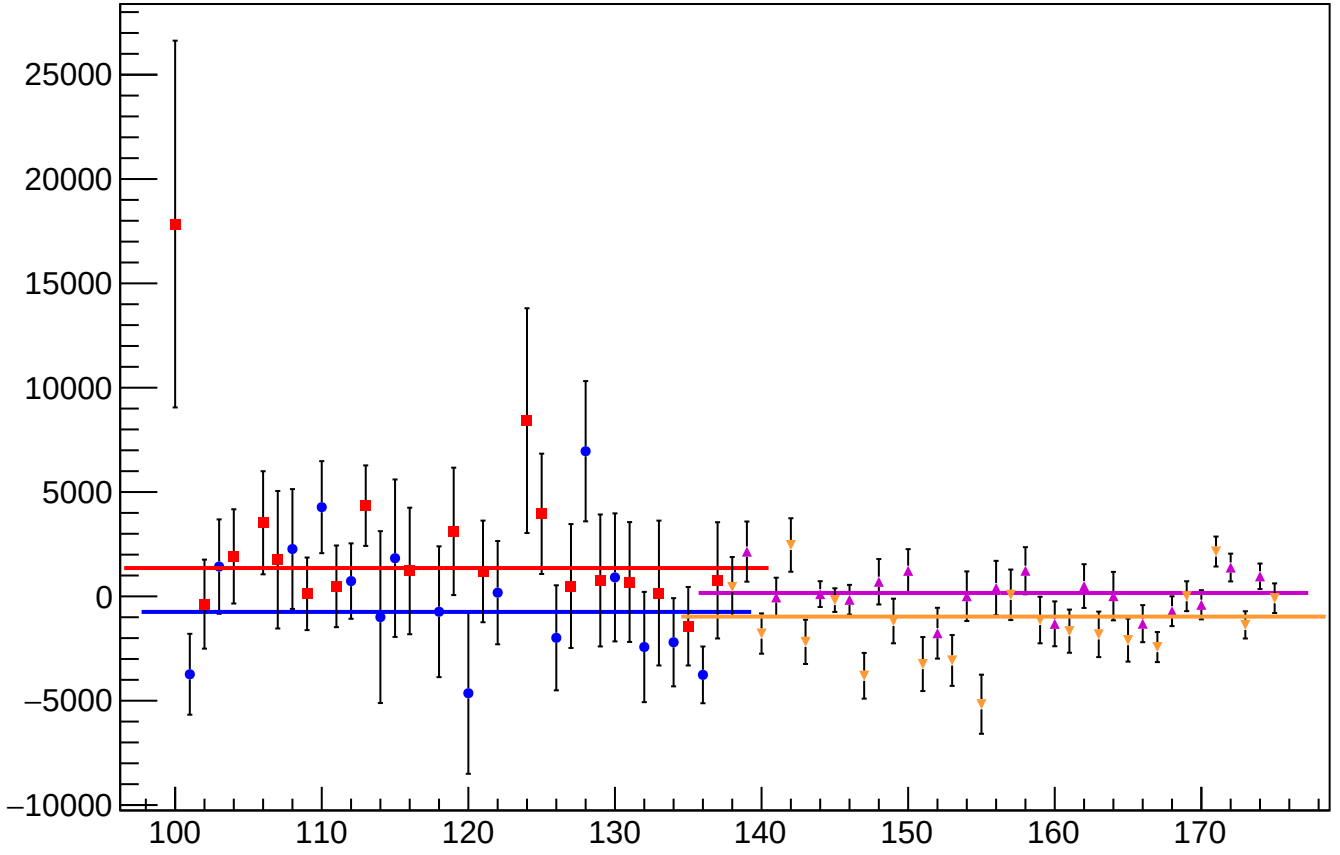
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 109.411+/-0.017 χ^2/NDF:2931977.4/33

Out: 110.891+/-0.017 χ^2/NDF:3554589.6/38

All: 110.157+/-0.012 χ^2/NDF: 6490199.1/72

asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 163.264+/-206.534 χ^2/NDF:18.9/17

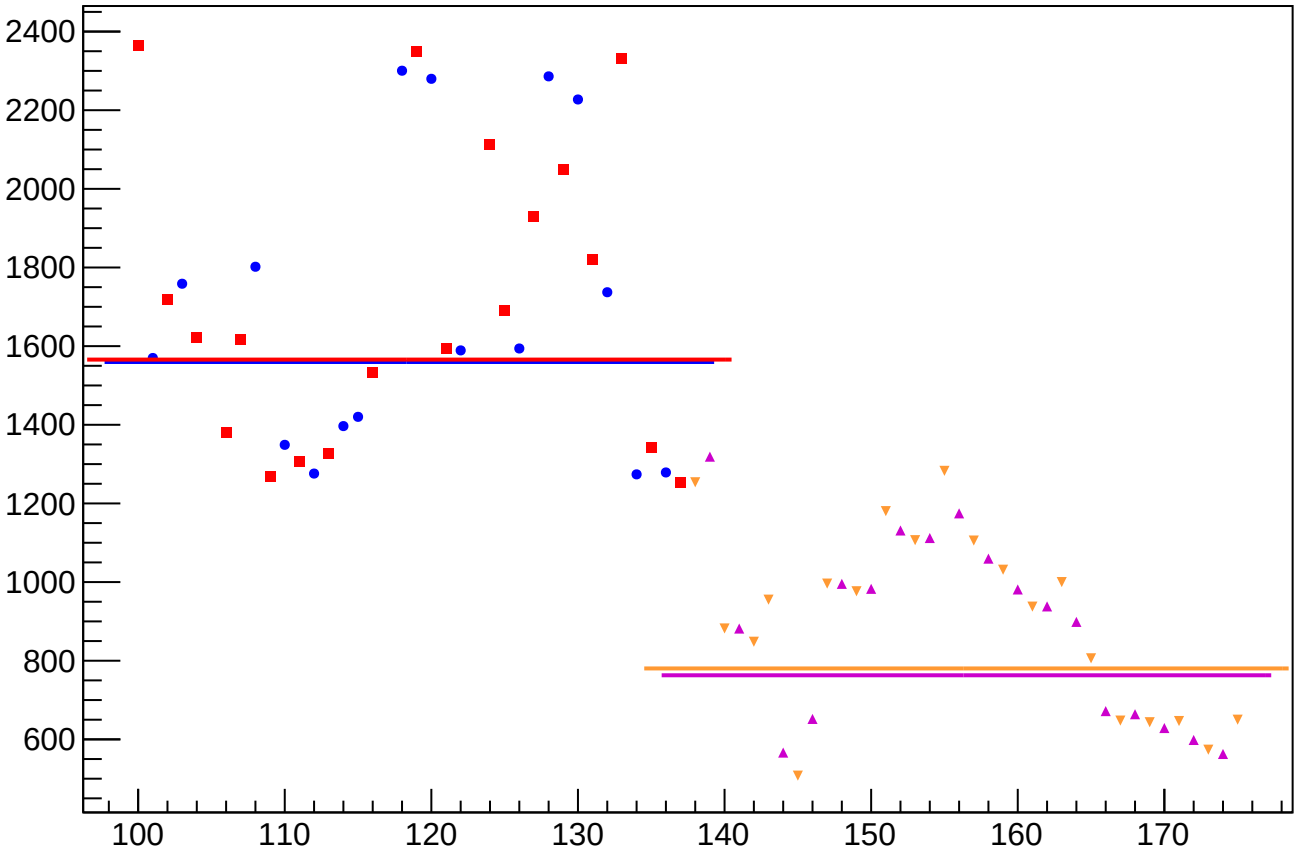
Left: -409.911+/-145.187 χ^2/NDF: 97.5/37

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 65.867+/-195.142 χ^2/NDF:44.4/33

Out: -717.811+/-192.770 χ^2/NDF:91.1/38

All: -330.764+/-137.140 χ^2/NDF: 143.6/72



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 780.368+/-0.144 χ^2/NDF:2346340.7/19

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 762.990+/-0.146 χ^2/NDF:2089914.7/17

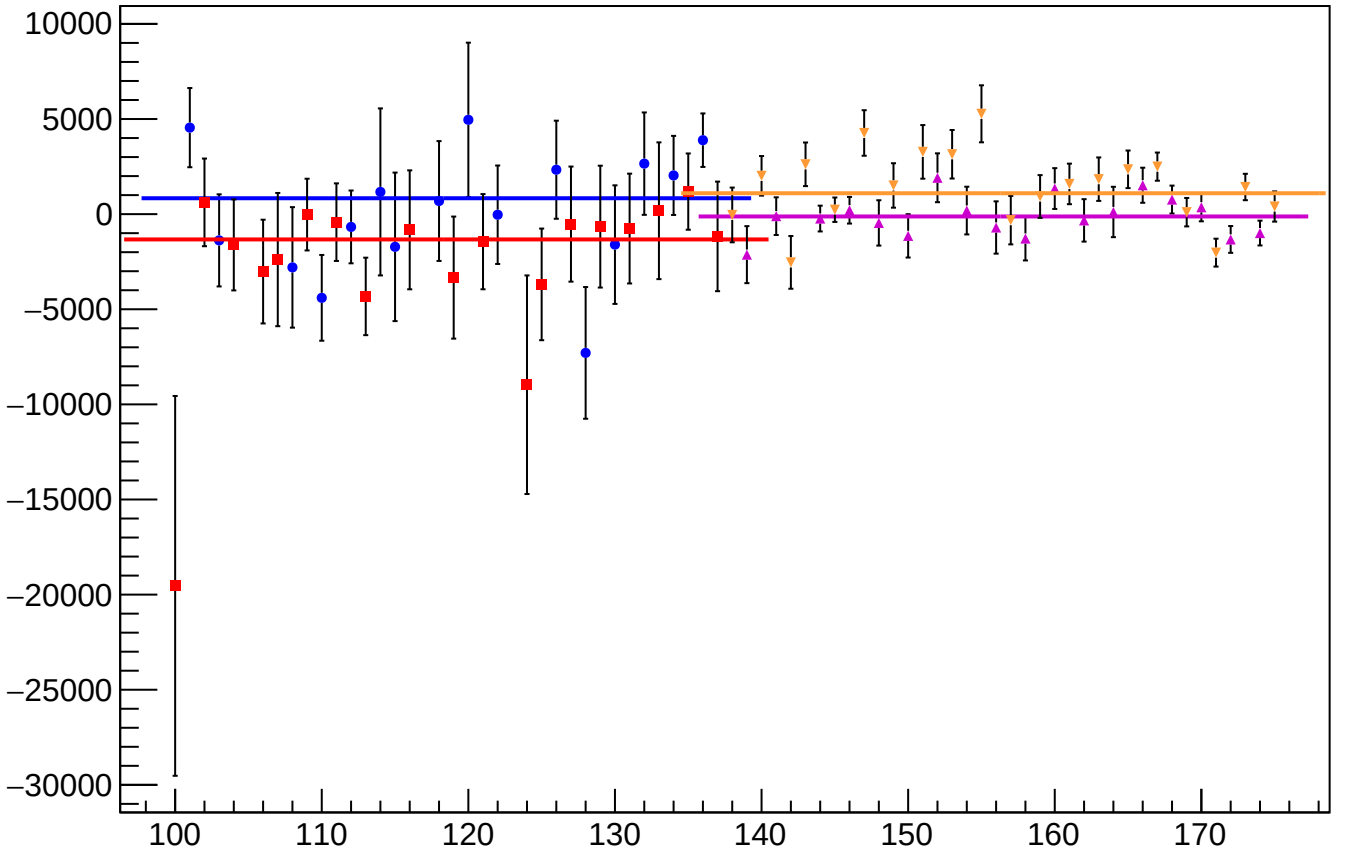
Left: 771.780+/-0.103 χ^2/NDF: 4443417.7/37

Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 848.458+/-0.138 χ^2/NDF:5886927.3/33

Out: 865.419+/-0.136 χ^2/NDF:6116235.9/38

All: 857.042+/-0.097 χ^2/NDF: 12010809.9/72



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1098.898+/-216.551 χ^2/NDF:59.7/19

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -122.308+/-217.366 χ^2/NDF:18.4/17

Left: 490.589+/-153.412 χ^2/NDF: 93.9/37

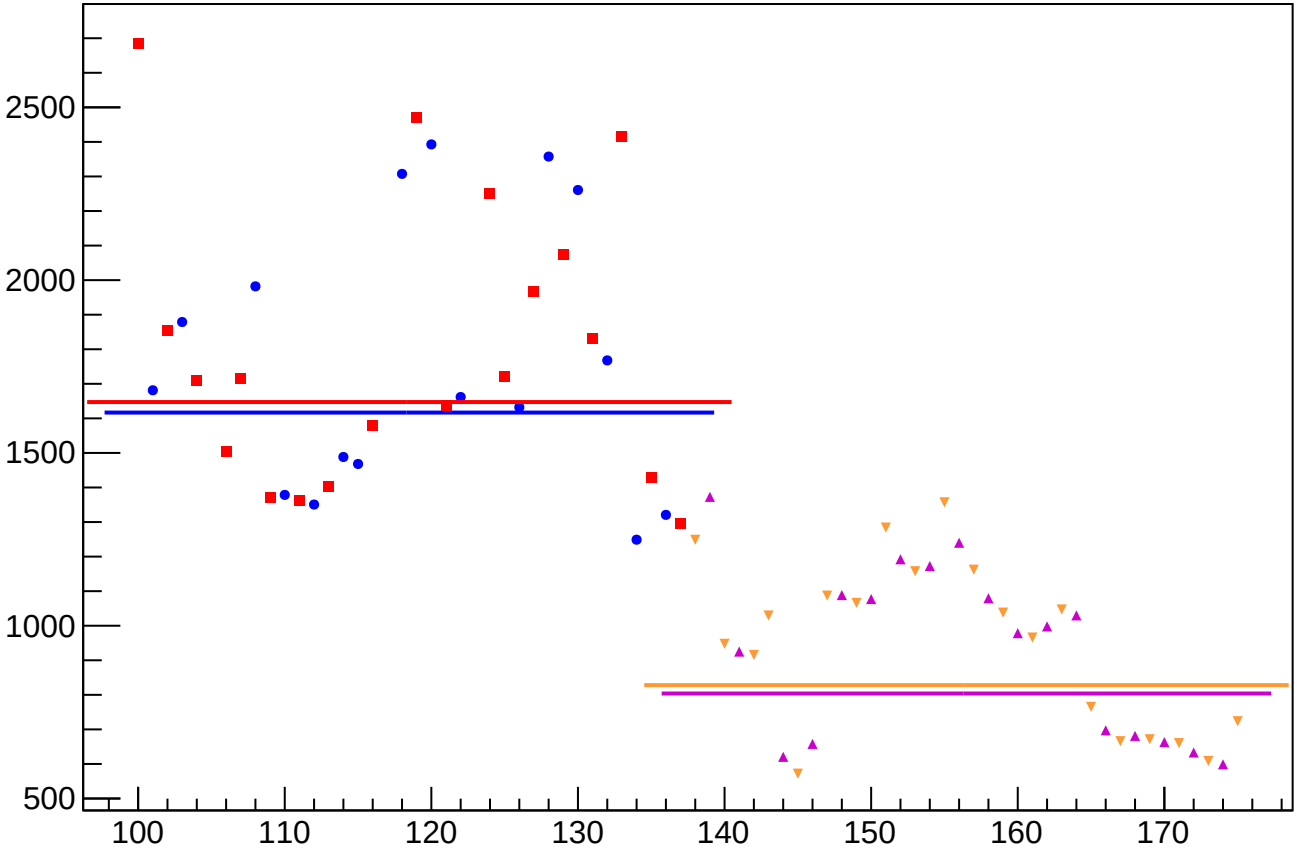
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -17.099+/-205.081 χ^2/NDF:45.5/33

Out: 832.123+/-204.311 χ^2/NDF:85.6/38

All: 409.110+/-144.741 χ^2/NDF: 139.6/72

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 828.139+/-0.153 χ^2/NDF:2200330.2/19

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 803.904+/-0.154 χ^2/NDF:2095375.6/17

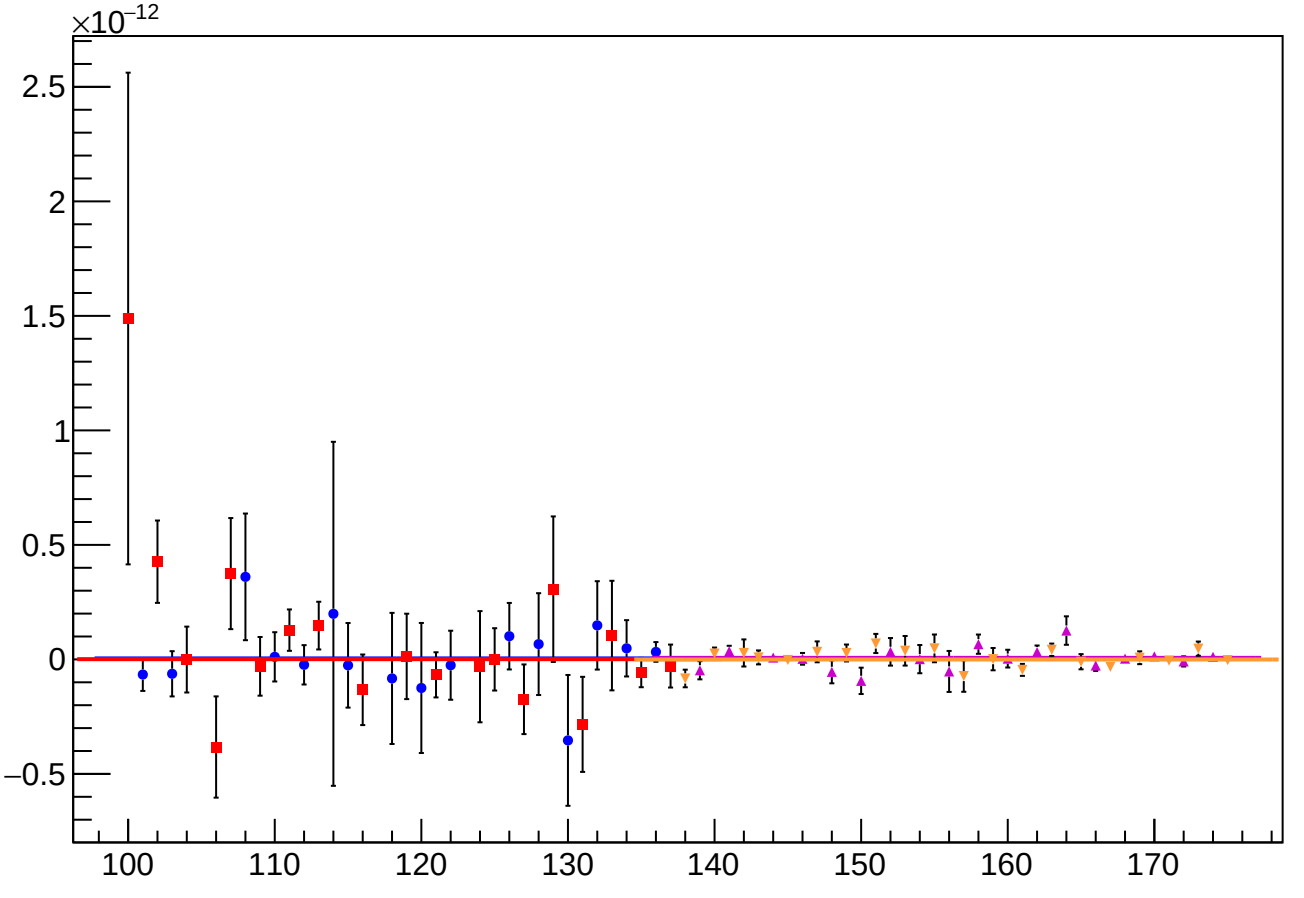
Left: 816.067+/-0.108 χ^2/NDF: 4308183.3/37

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 893.196+/-0.145 χ^2/NDF:5790187.9/33

Out: 918.119+/-0.144 χ^2/NDF:5867509.2/38

All: 905.705+/-0.102 χ^2/NDF: 11672521.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/17

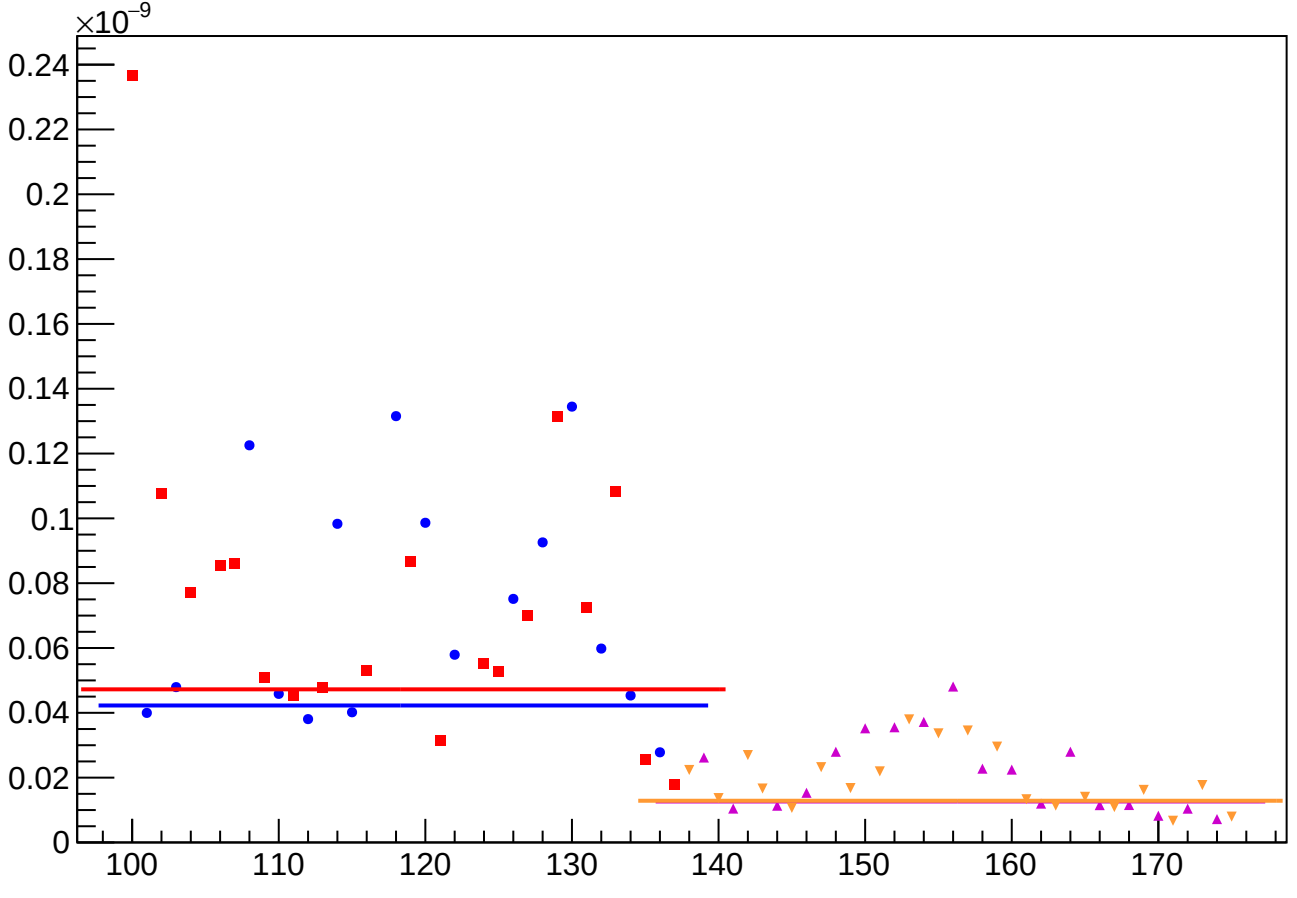
Left: 0.000+/-0.000 χ^2/NDF: 41.1/37

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.7/33

Out: -0.000+/-0.000 χ^2/NDF:46.1/38

All: 0.000+/-0.000 χ^2/NDF: 71.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2130604.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2527896.5/17

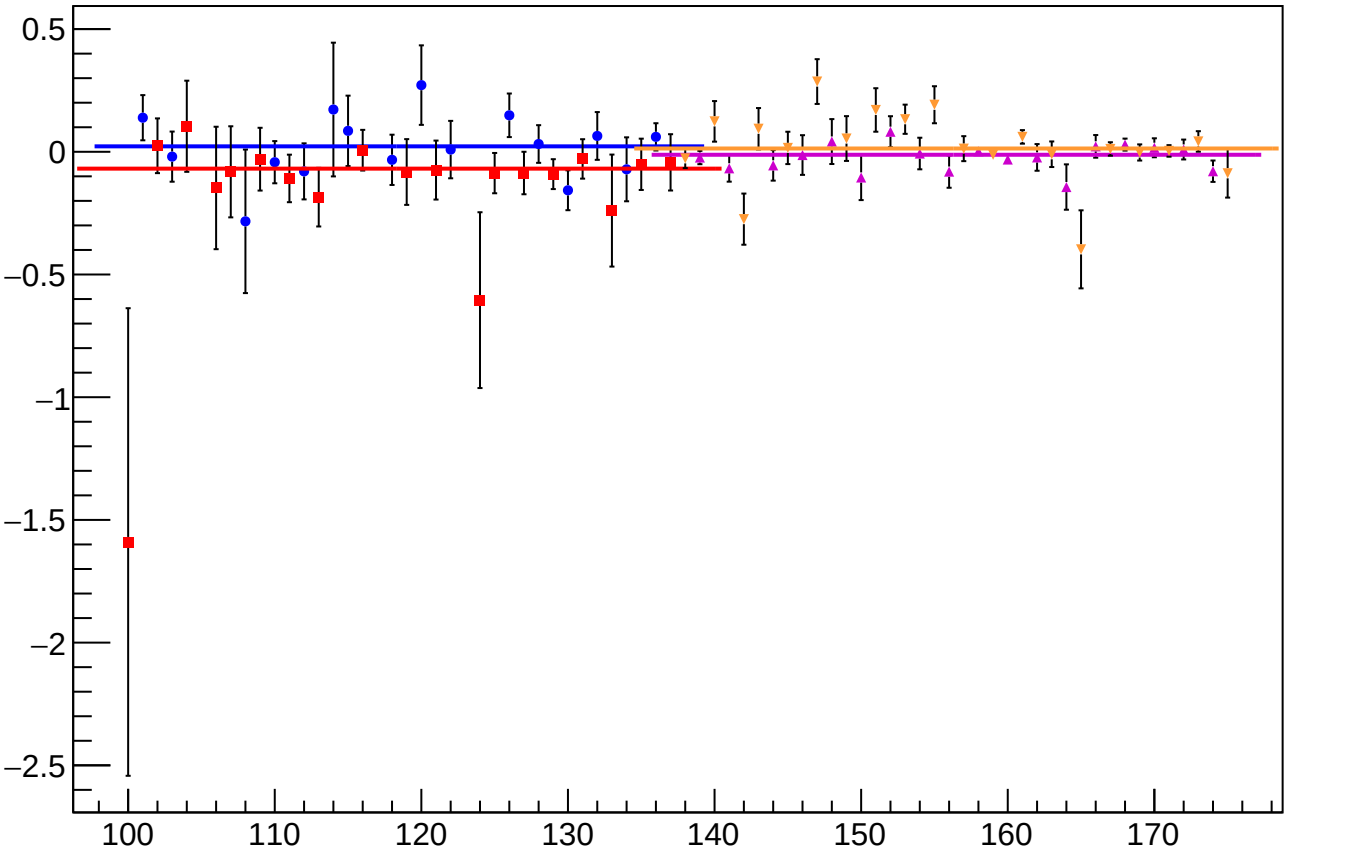
Left: 0.000+/-0.000 χ^2/NDF: 4659917.2/37

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:5921677.2/33

Out: 0.000+/-0.000 χ^2/NDF:6016741.2/38

All: 0.000+/-0.000 χ^2/NDF: 11938507.3/72



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

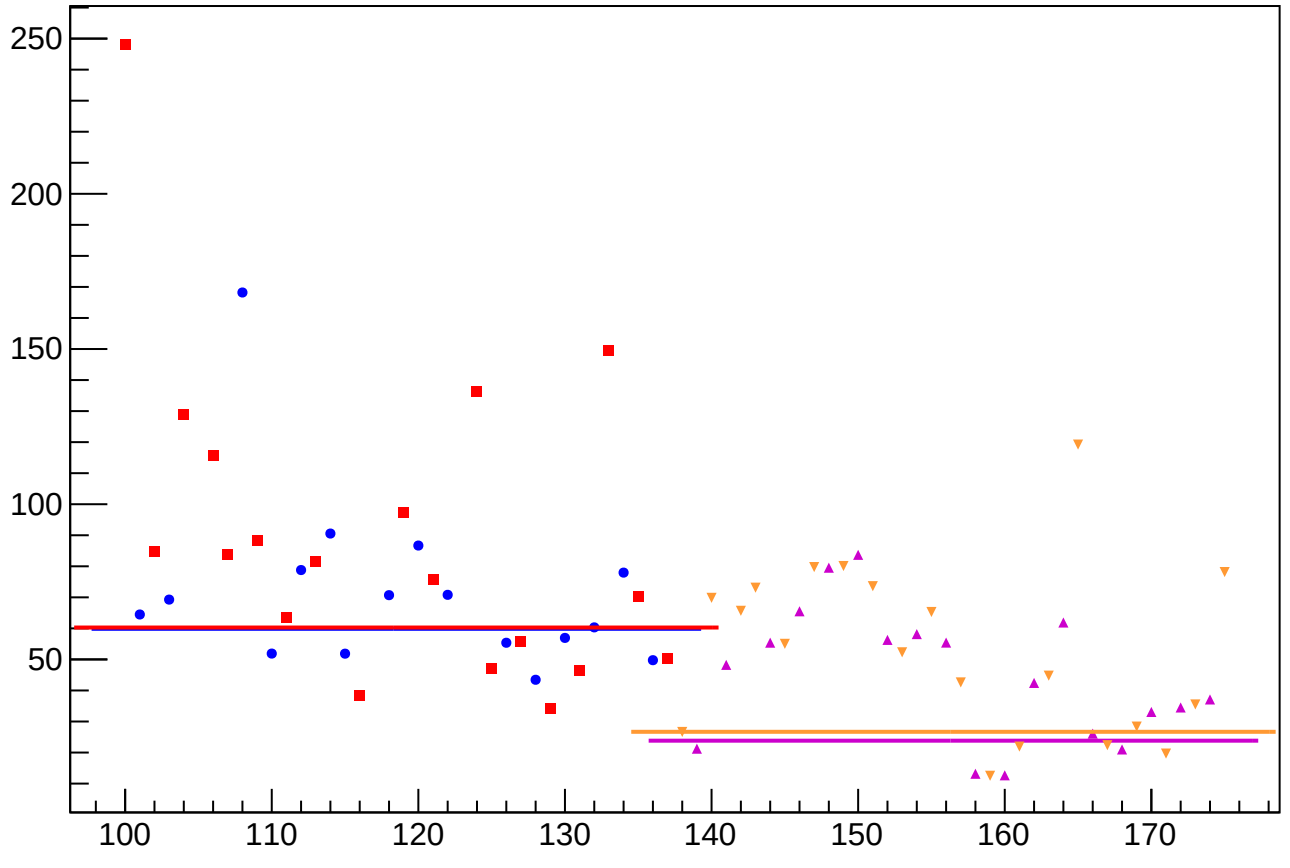
Left: -0.000+/-0.006 χ^2/NDF: 69.5/37

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/72



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

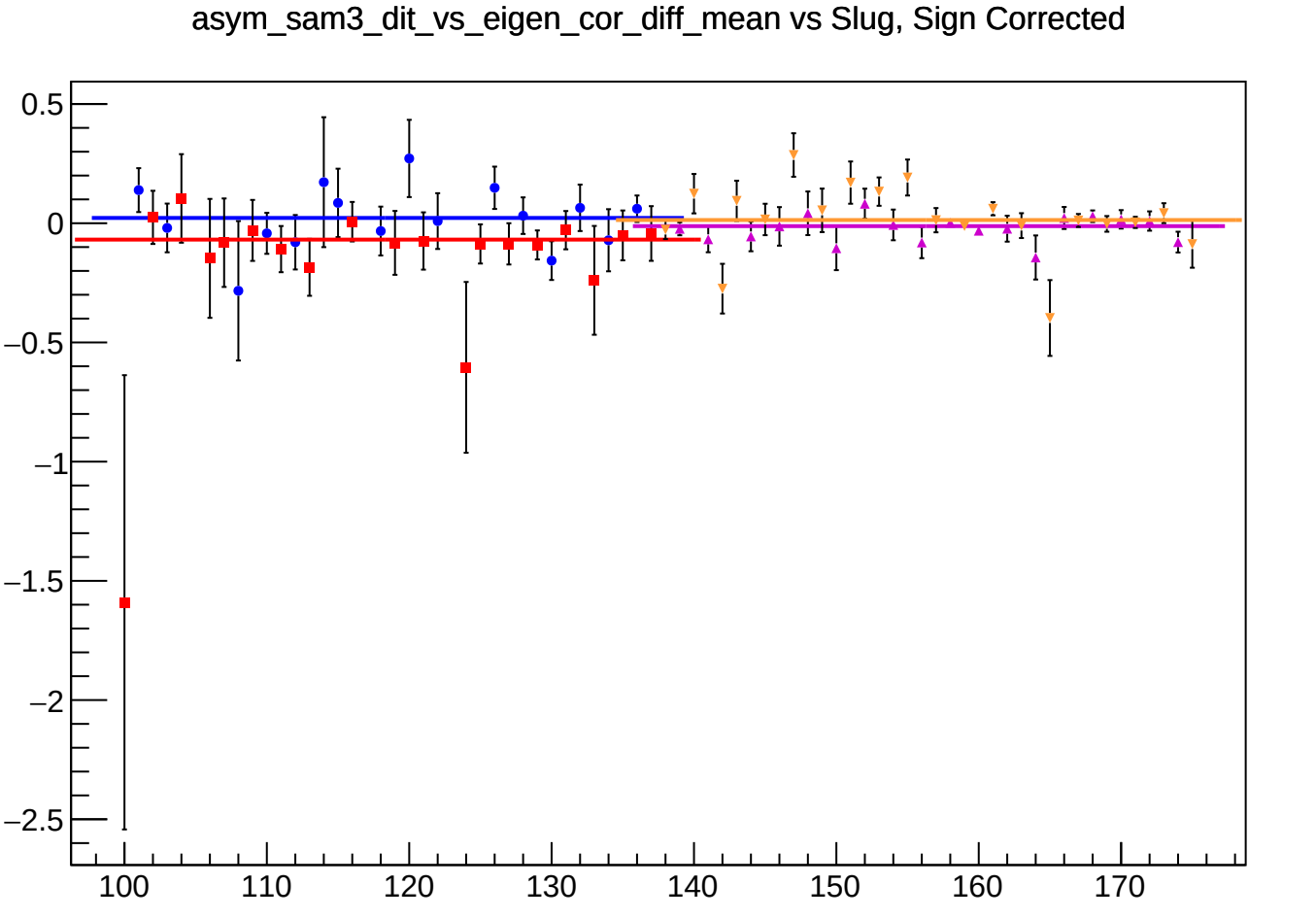
Left: 25.152+/-0.004 χ^2/NDF: 15930544.1/37

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.354+/-0.005 χ^2/NDF:12031707.7/33

Out: 30.269+/-0.006 χ^2/NDF:13465205.0/38

All: 28.714+/-0.004 χ^2/NDF: 25629865.1/72



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

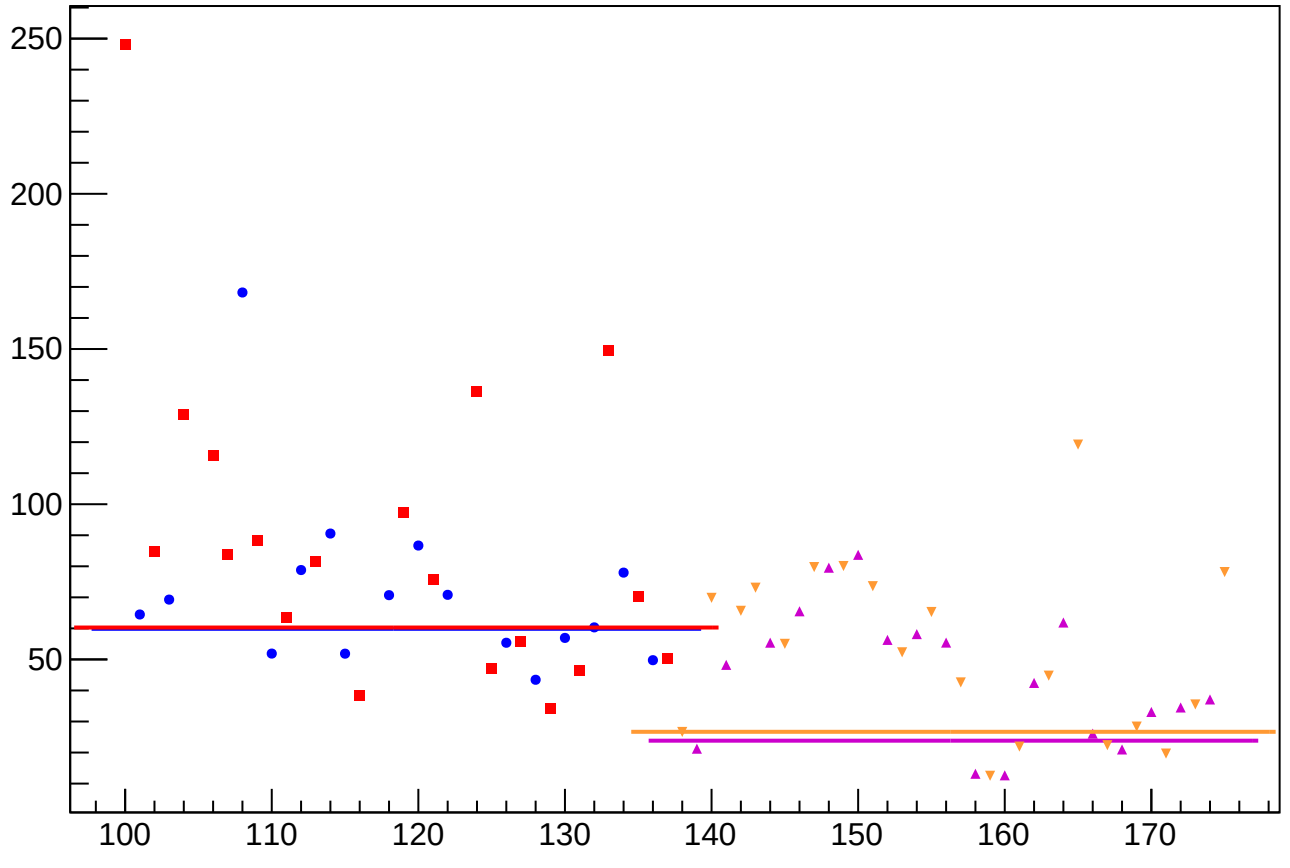
Left: -0.000+/-0.006 χ^2/NDF: 69.5/37

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/72



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

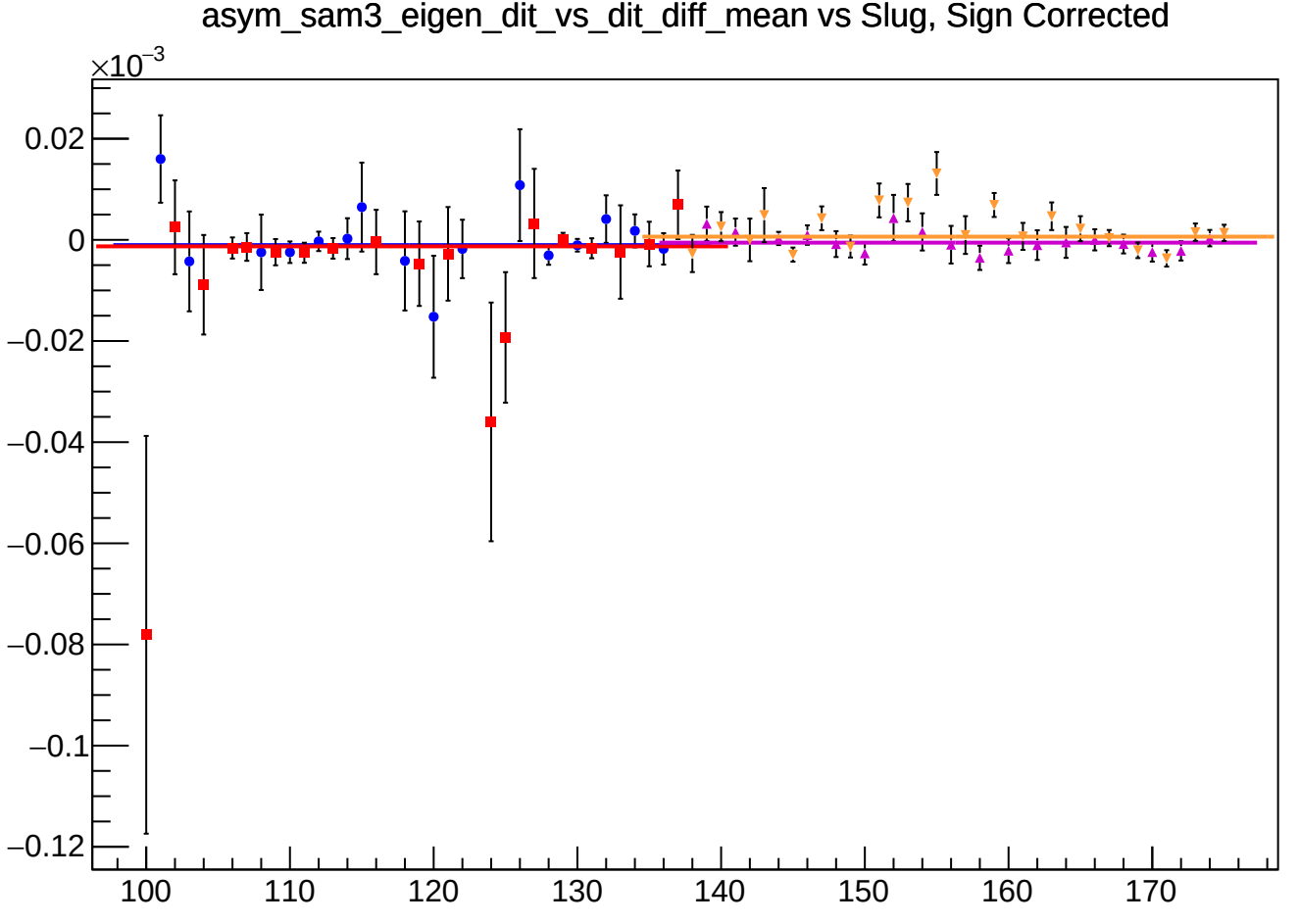
Left: 25.152+/-0.004 χ^2/NDF: 15930544.1/37

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.354+/-0.005 χ^2/NDF:12031707.7/33

Out: 30.269+/-0.006 χ^2/NDF:13465205.0/38

All: 28.714+/-0.004 χ^2/NDF: 25629865.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

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

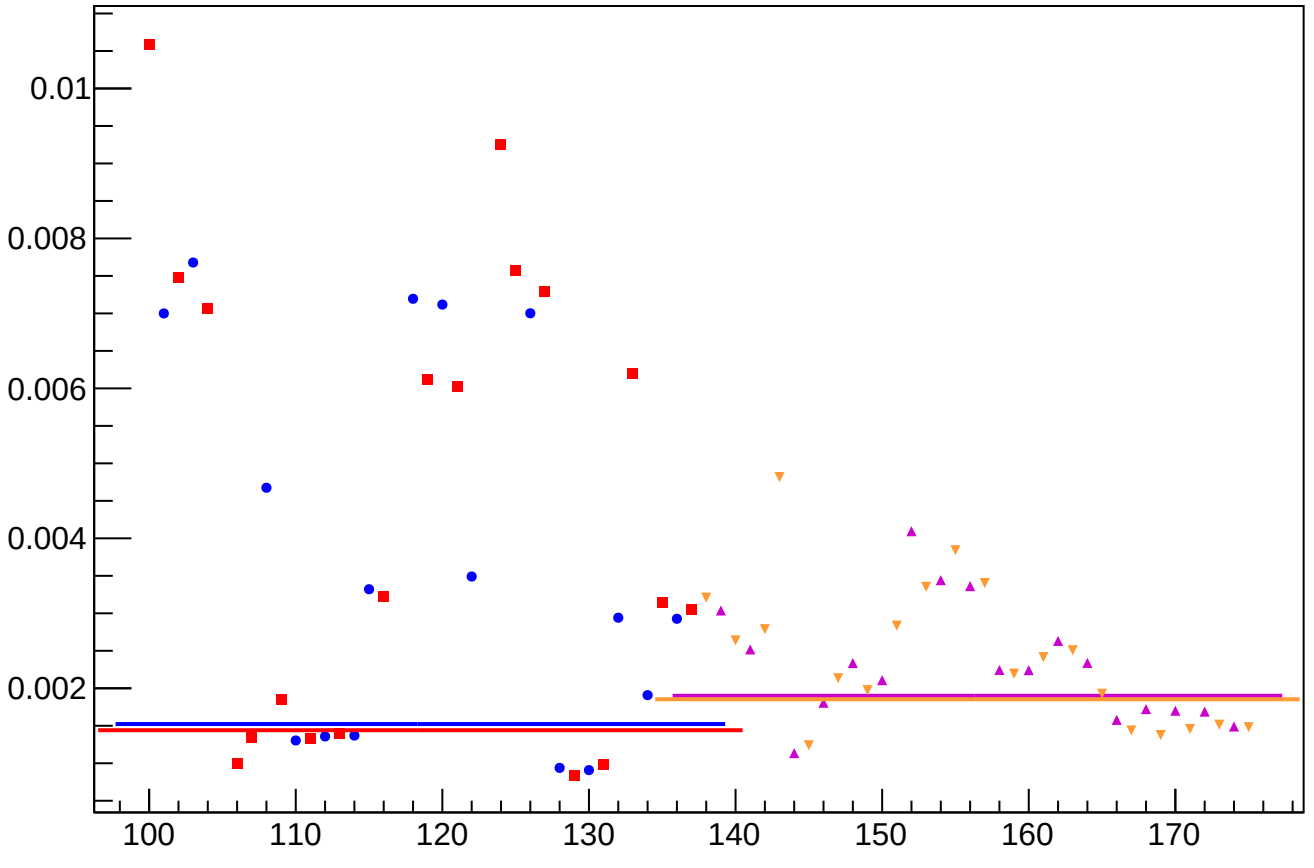
Left: 0.000+/-0.000 χ^2/NDF: 60.4/37

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:20.8/33

Out: -0.000+/-0.000 χ^2/NDF:65.8/38

All: -0.000+/-0.000 χ^2/NDF: 88.1/72



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3718723.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2703590.6/17

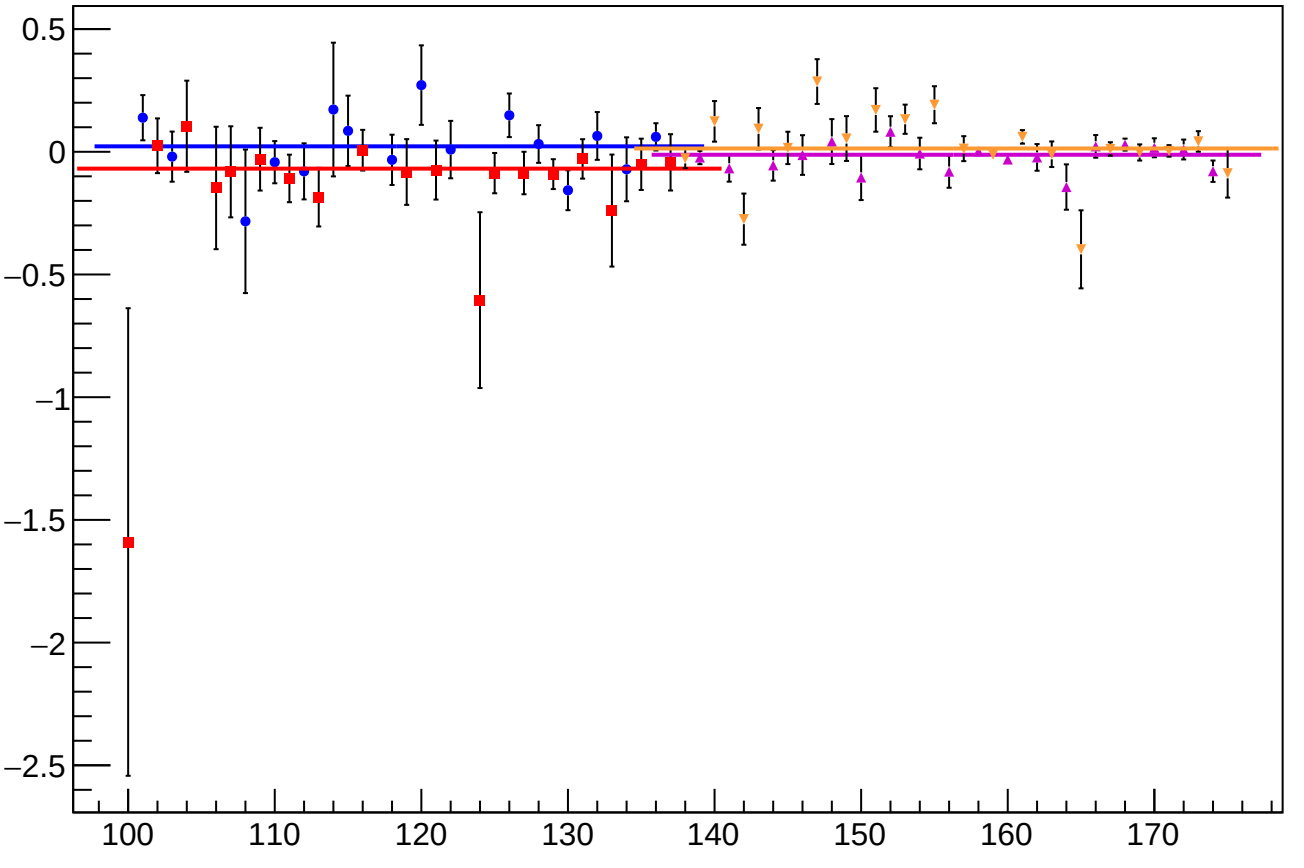
Left: 0.002+/-0.000 χ^2/NDF: 6430618.4/37

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8232885.7/33

Out: 0.002+/-0.000 χ^2/NDF:9969503.8/38

All: 0.002+/-0.000 χ^2/NDF: 18222982.9/72



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

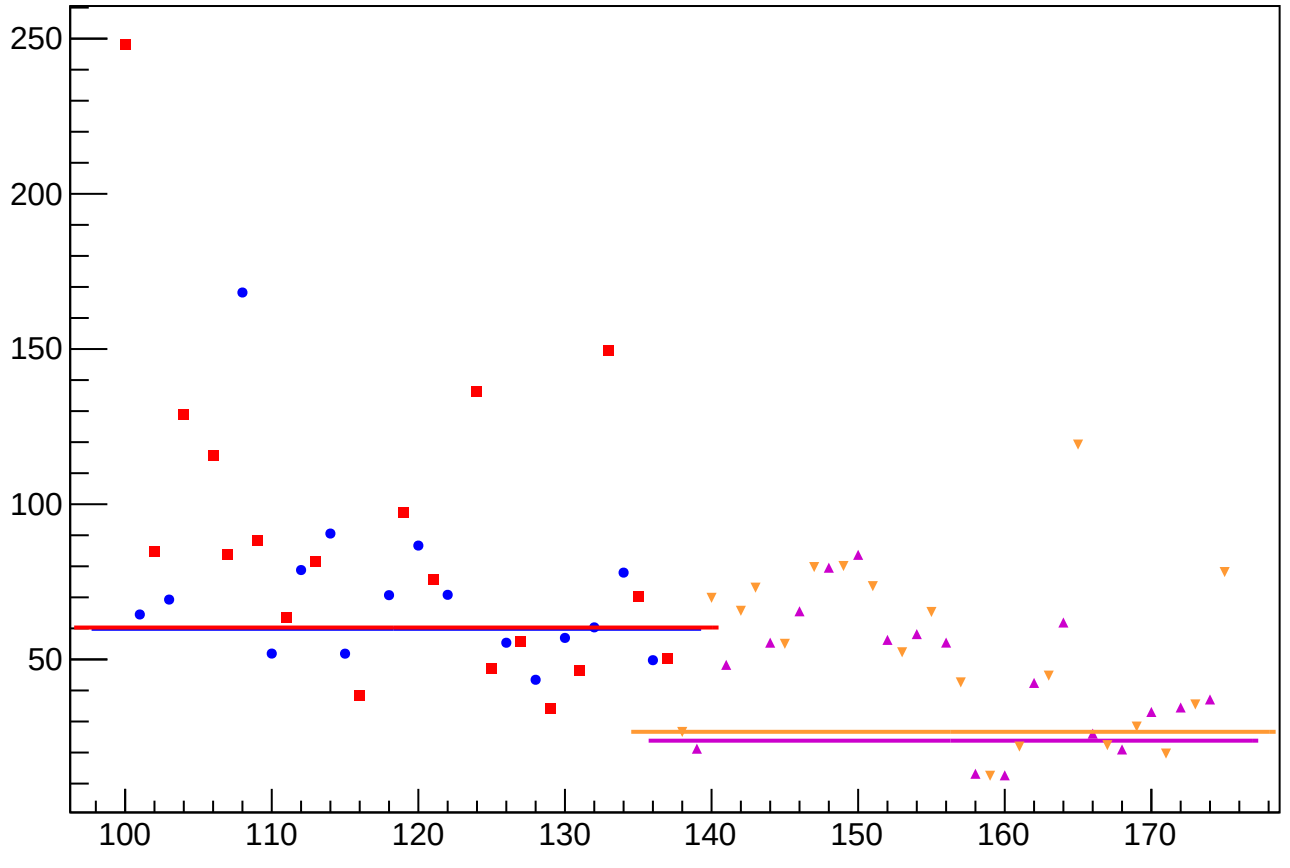
Left: -0.000+/-0.006 χ^2/NDF: 69.5/37

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/72



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

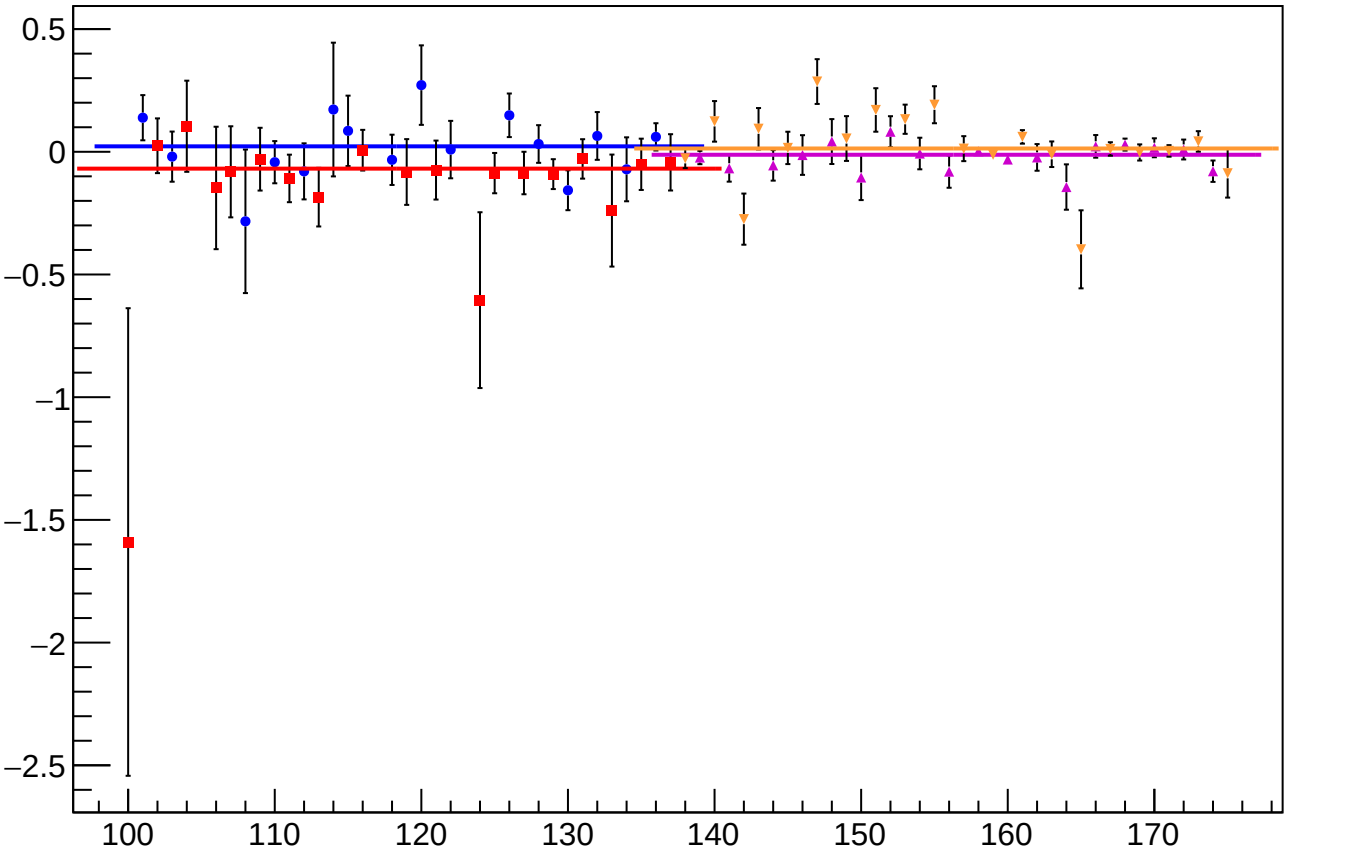
Left: 25.151+/-0.004 χ^2/NDF: 15931856.8/37

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.354+/-0.005 χ^2/NDF:12032351.9/33

Out: 30.268+/-0.006 χ^2/NDF:13466502.2/38

All: 28.713+/-0.004 χ^2/NDF: 25631727.8/72



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

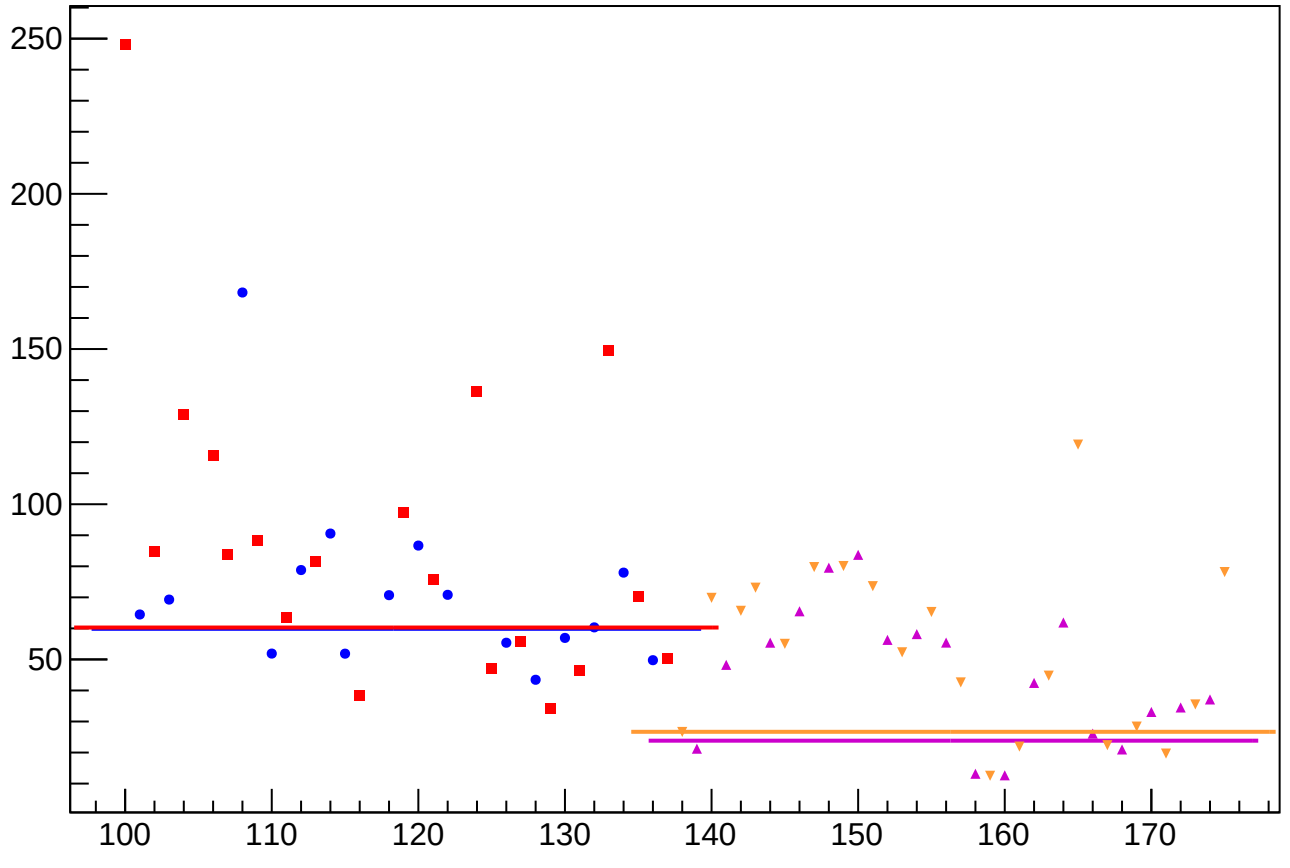
Left: -0.000+/-0.006 χ^2/NDF: 69.5/37

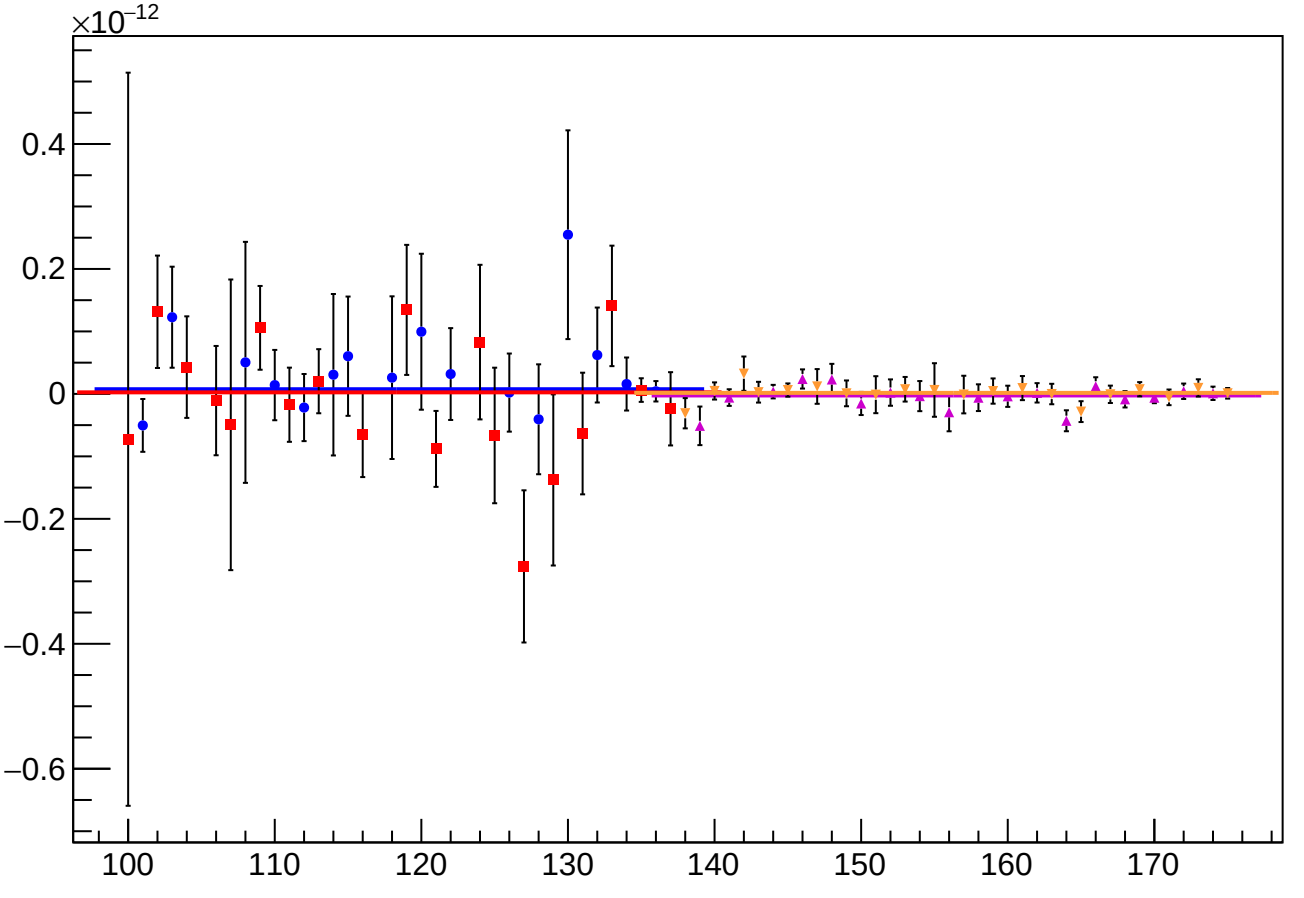
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/72


asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 59.868+/-0.017 χ²/NDF: 699008.9/15
Left Out: 26.683+/-0.006 χ²/NDF:8333497.5/19
Right Out: 60.278+/-0.018 χ²/NDF: 1977294.2/18
Left In: 23.824+/-0.006 χ²/NDF:7483599.2/17
Left: 25.151+/-0.004 χ²/NDF: 15931856.8/37
Right: 60.068+/-0.012 χ²/NDF: 2676572.8/34
In: 27.354+/-0.005 χ²/NDF:12032351.9/33
Out: 30.268+/-0.006 χ²/NDF:13466502.2/38
All: 28.713+/-0.004 χ²/NDF: 25631727.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/17

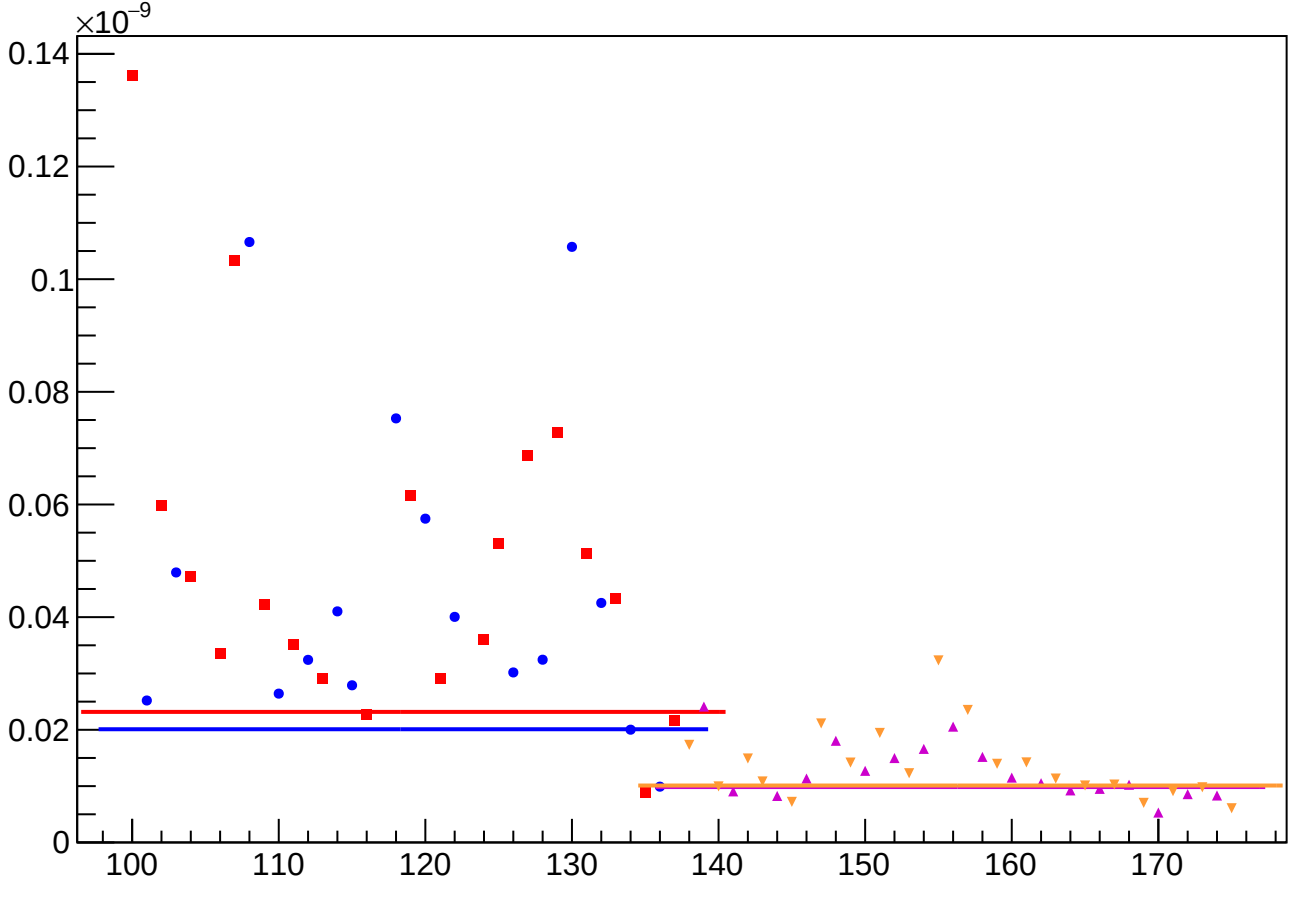
Left: -0.000+/-0.000 χ^2/NDF: 24.5/37

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/33

Out: 0.000+/-0.000 χ^2/NDF:27.6/38

All: -0.000+/-0.000 χ^2/NDF: 53.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2729416.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2025000.0/17

Left: 0.000+/-0.000 χ^2/NDF: 4760445.1/37

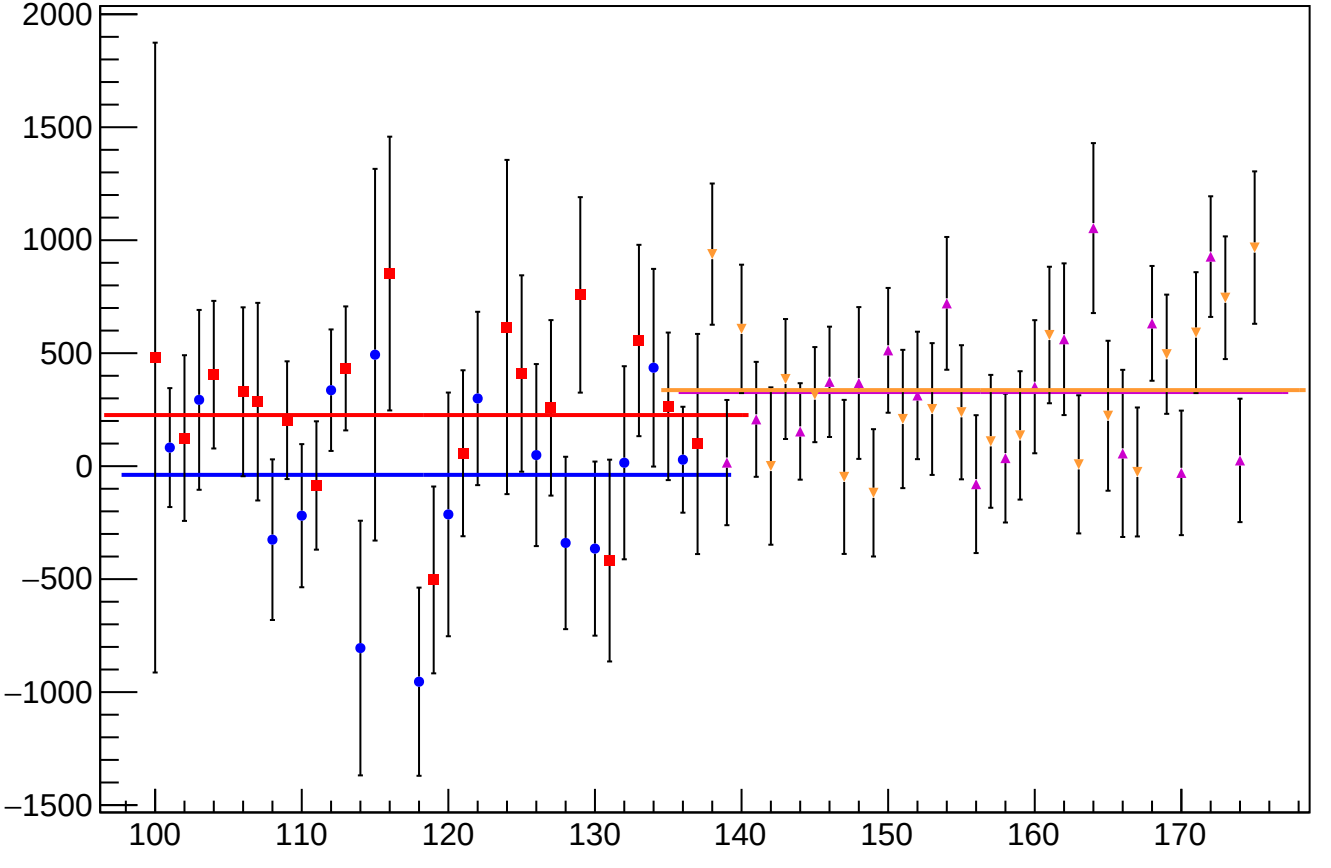
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6464784.7/33

Out: 0.000+/-0.000 χ^2/NDF:8009856.4/38

All: 0.000+/-0.000 χ^2/NDF: 14483037.4/72

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.567+/-64.509 χ^2/NDF:21.5/19

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 328.046+/-66.337 χ^2/NDF:21.4/17

Left: 332.425+/-46.247 χ^2/NDF: 42.9/37

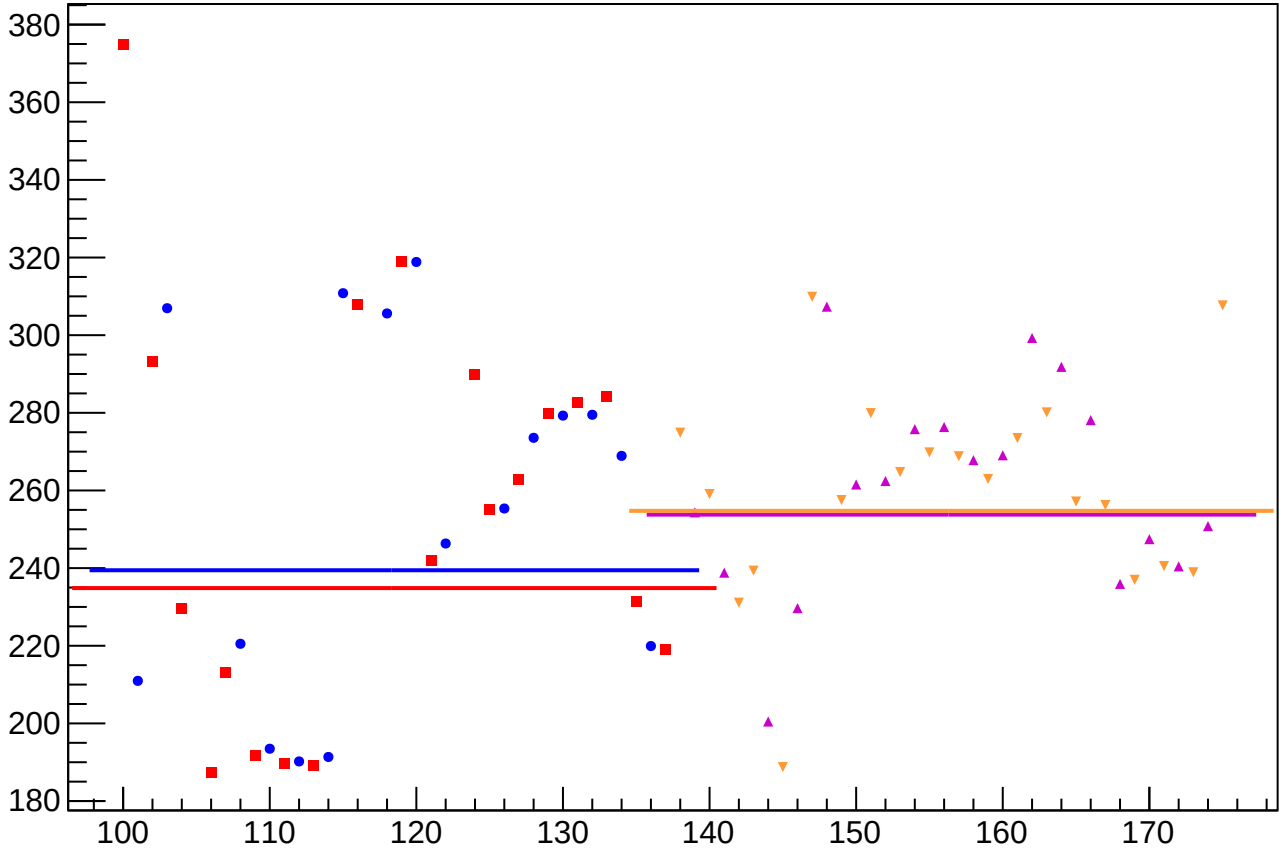
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 200.154+/-53.527 χ^2/NDF:46.5/33

Out: 297.926+/-52.008 χ^2/NDF:33.9/38

All: 250.447+/-37.301 χ^2/NDF: 82.2/72

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

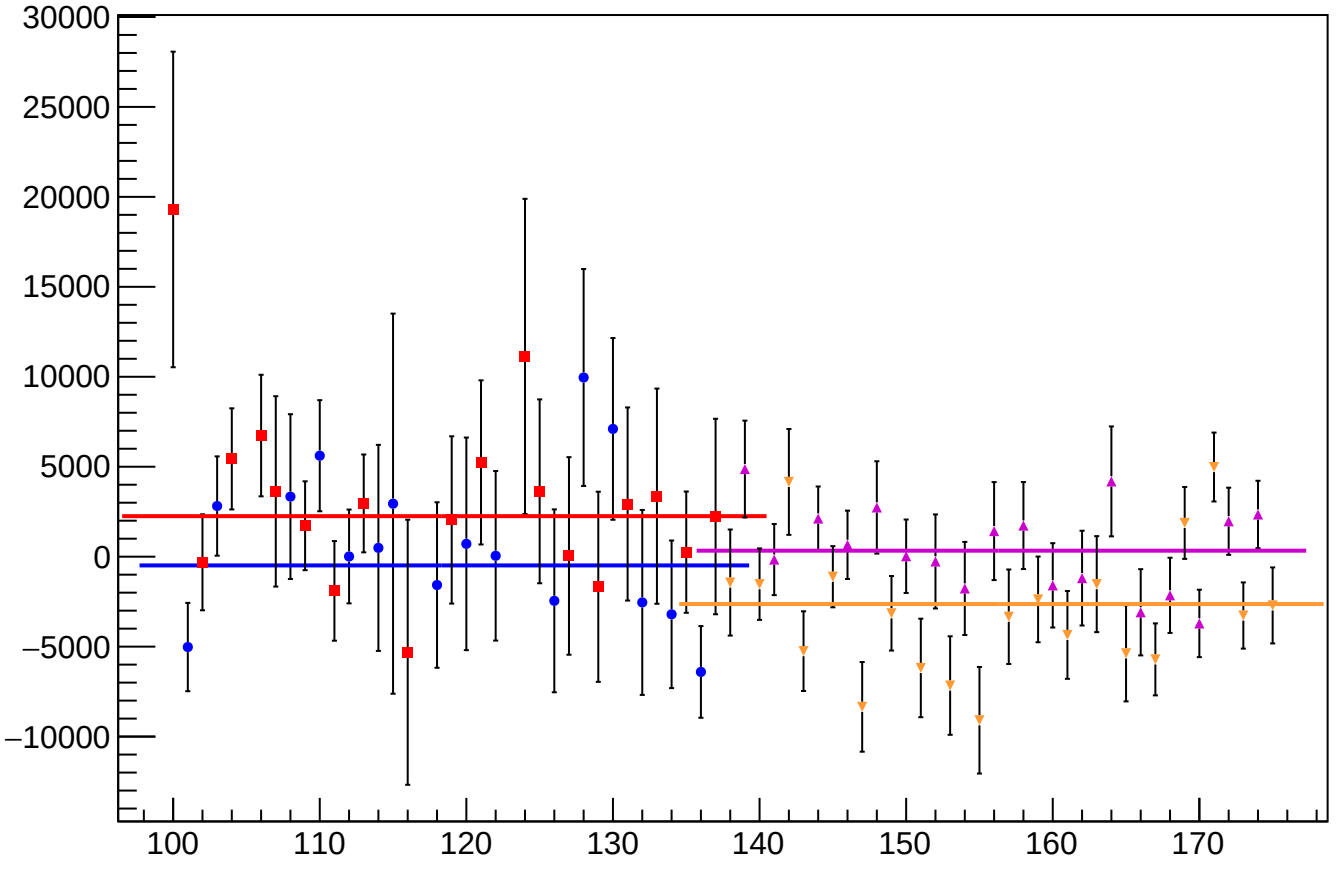
Left: 254.278+/-0.033 χ^2/NDF: 713501.5/37

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 248.777+/-0.038 χ^2/NDF:753239.1/33

Out: 247.788+/-0.037 χ^2/NDF:941861.0/38

All: 248.268+/-0.026 χ^2/NDF: 1695451.7/72



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2633.135+/-508.230 χ^2/NDF:47.7/19

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 333.686+/-521.710 χ^2/NDF:18.7/17

Left: -1188.548+/-364.045 χ^2/NDF: 83.0/37

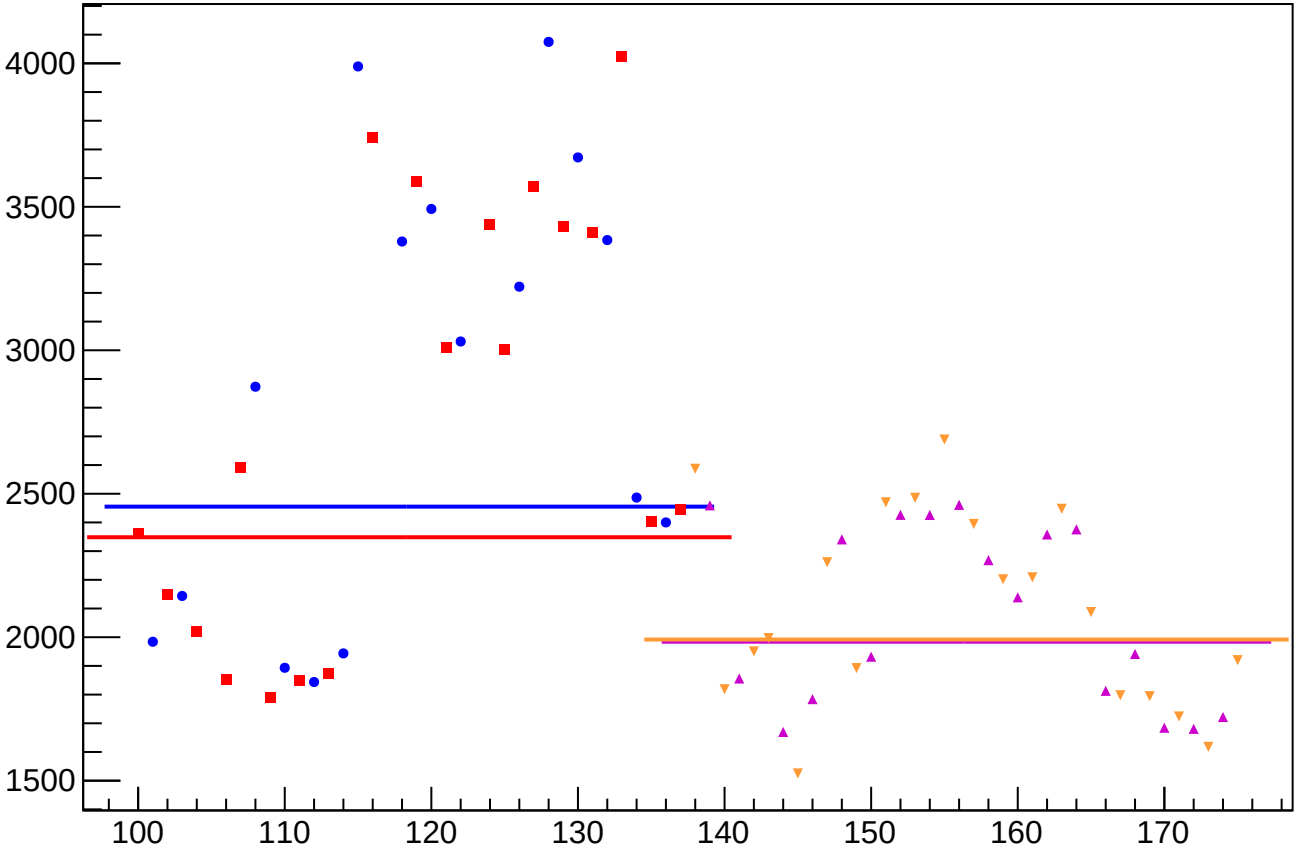
Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 142.992+/-457.007 χ^2/NDF:40.4/33

Out: -1440.334+/-441.846 χ^2/NDF:84.1/38

All: -675.369+/-317.657 χ^2/NDF: 130.7/72

asym_sam4_reg_correction_rms vs Slug, Sign Corrected



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.1/19

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.3/17

Left: 1988.268+/-0.257 χ^2/NDF: 1451205.7/37

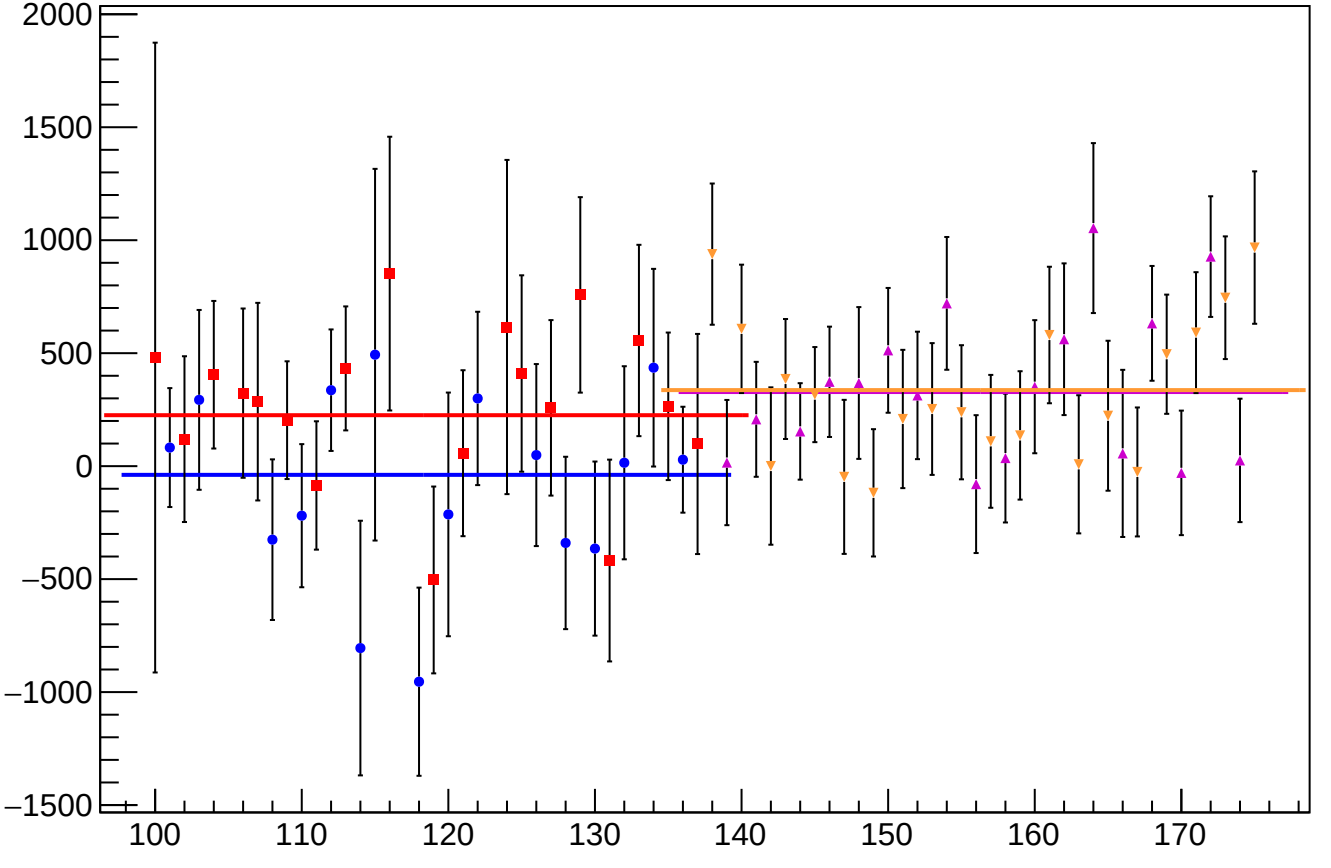
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2093.927+/-0.323 χ^2/NDF:1909427.6/33

Out: 2078.976+/-0.312 χ^2/NDF:2107451.3/38

All: 2086.200+/-0.225 χ^2/NDF: 4017985.3/72

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 328.045+/-66.337 χ^2/NDF:21.4/17

Left: 332.429+/-46.247 χ^2/NDF: 42.9/37

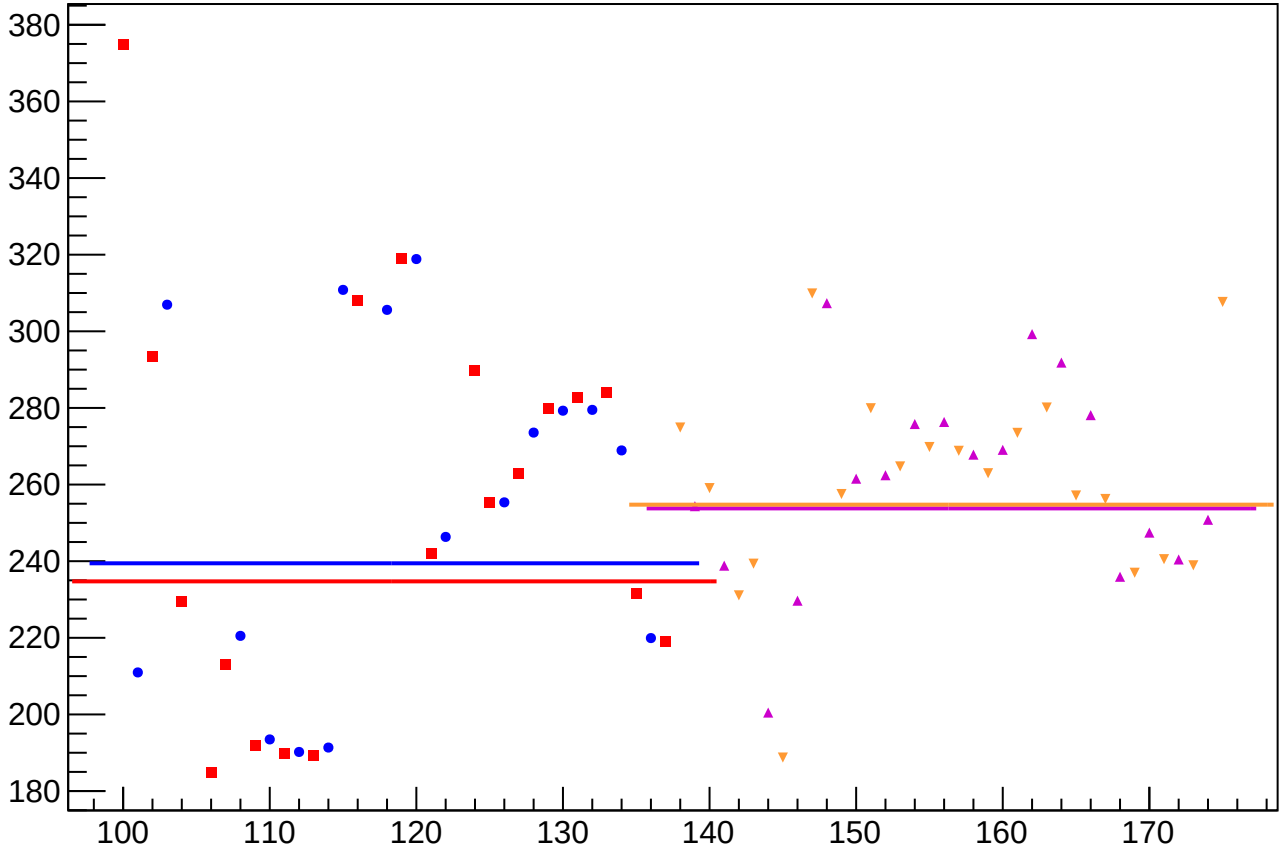
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 200.147+/-53.527 χ^2/NDF:46.5/33

Out: 297.710+/-52.011 χ^2/NDF:33.9/38

All: 250.330+/-37.302 χ^2/NDF: 82.2/72

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

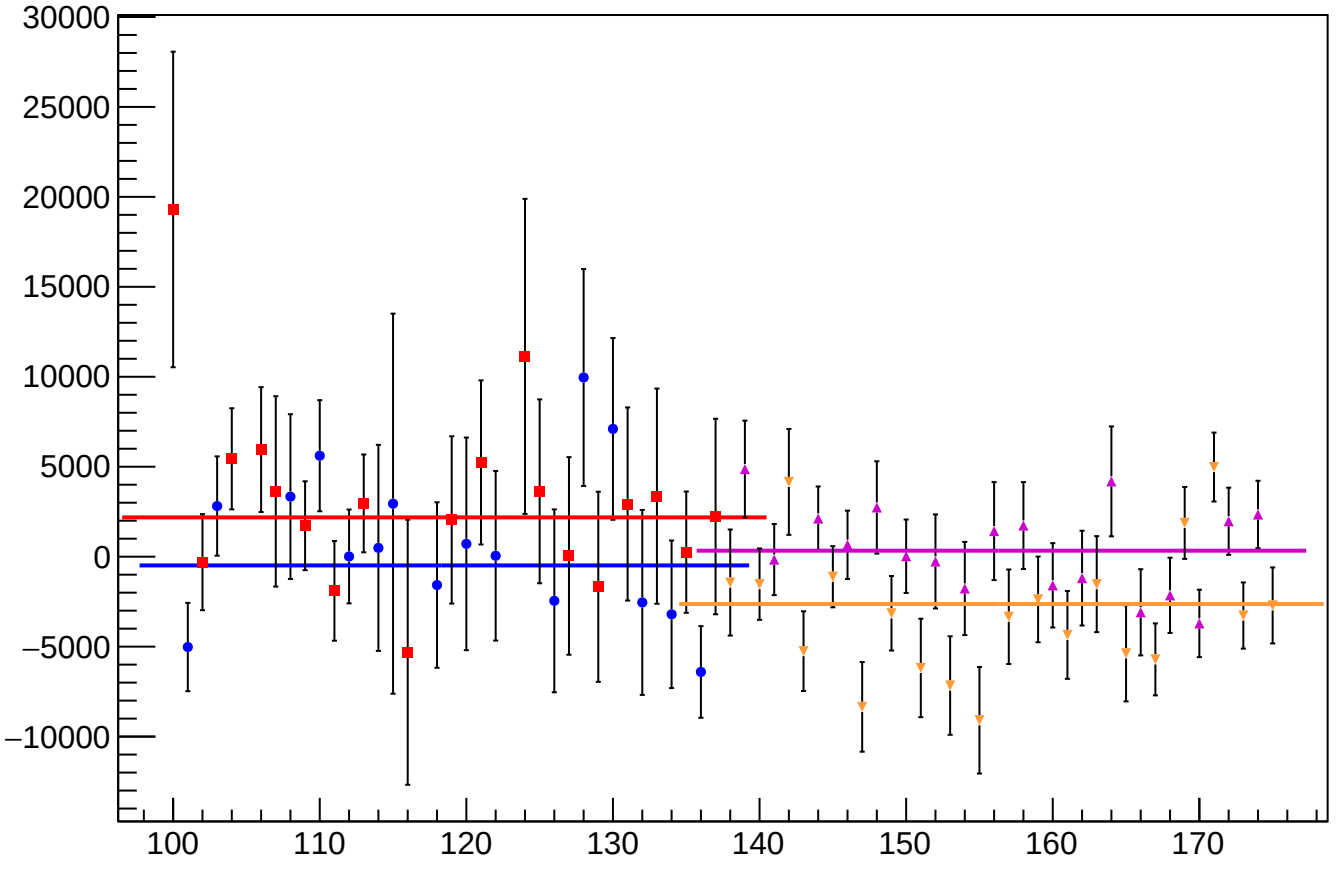
Left: 254.278+/-0.033 χ^2/NDF: 713501.5/37

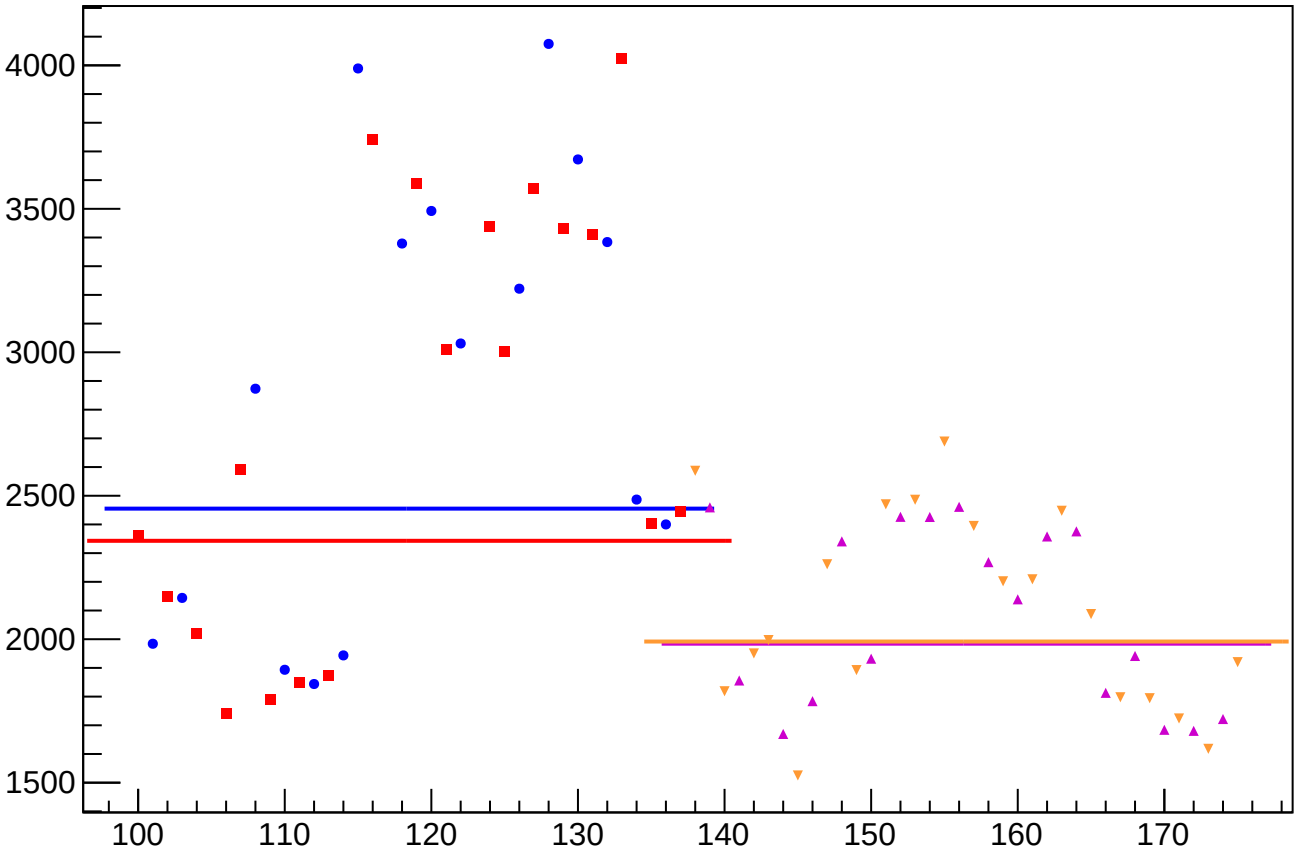
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.777+/-0.038 χ^2/NDF:753241.3/33

Out: 247.746+/-0.037 χ^2/NDF:946187.7/38

All: 248.247+/-0.026 χ^2/NDF: 1699810.4/72


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -2633.128+/-508.230 χ²/NDF:47.7/19
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: 333.698+/-521.710 χ²/NDF:18.7/17
Left: -1188.538+/-364.045 χ²/NDF: 83.0/37
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: 142.964+/-457.008 χ²/NDF:40.4/33
Out: -1460.061+/-442.050 χ²/NDF:82.8/38
All: -685.211+/-317.733 χ²/NDF: 129.6/72



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

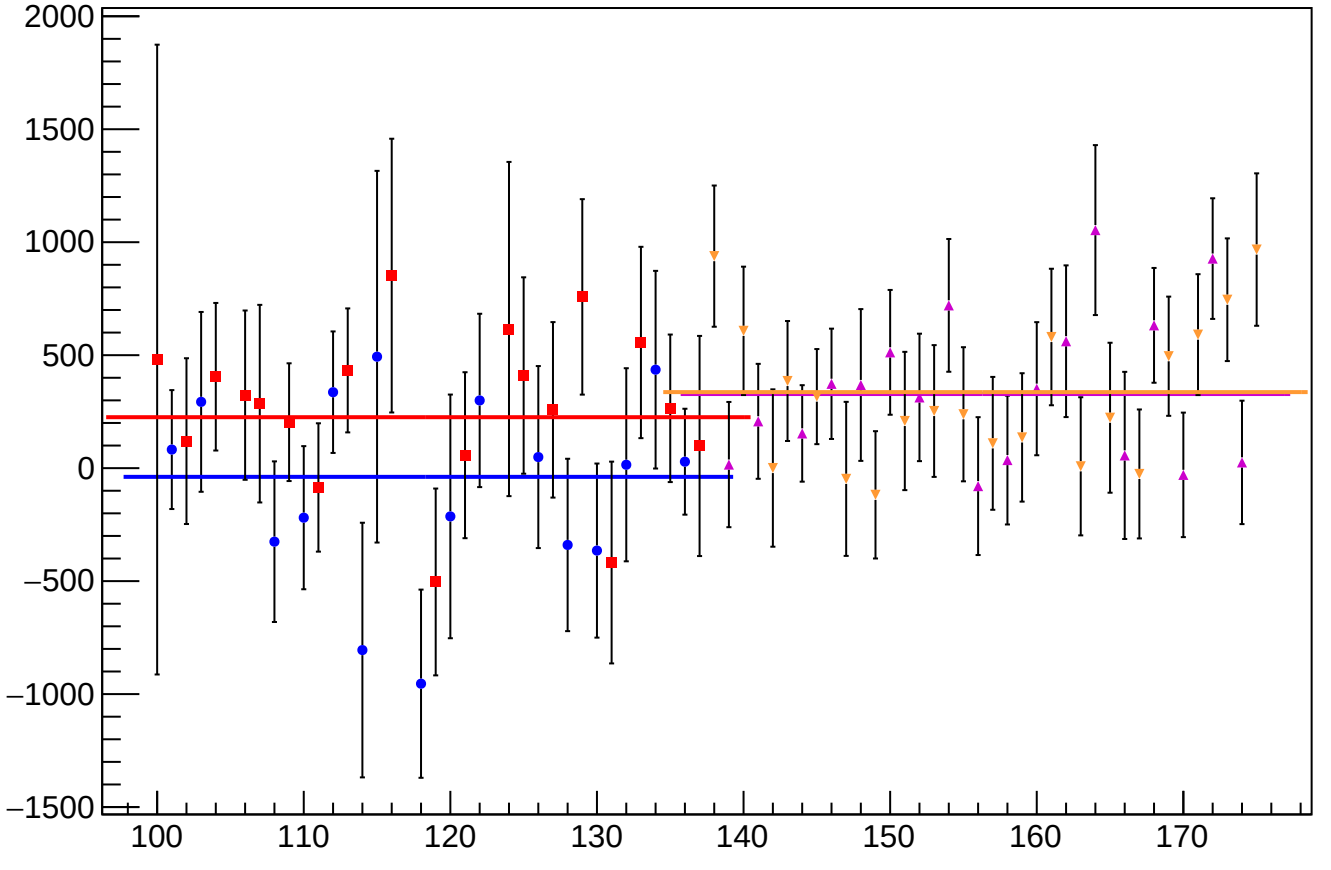
Left: 1988.268+/-0.257 χ^2/NDF: 1451206.4/37

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.932+/-0.323 χ^2/NDF:1909430.5/33

Out: 2077.391+/-0.313 χ^2/NDF:2117408.0/38

All: 2085.386+/-0.225 χ^2/NDF: 4028192.0/72



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 328.045+/-66.337 χ^2/NDF:21.4/17

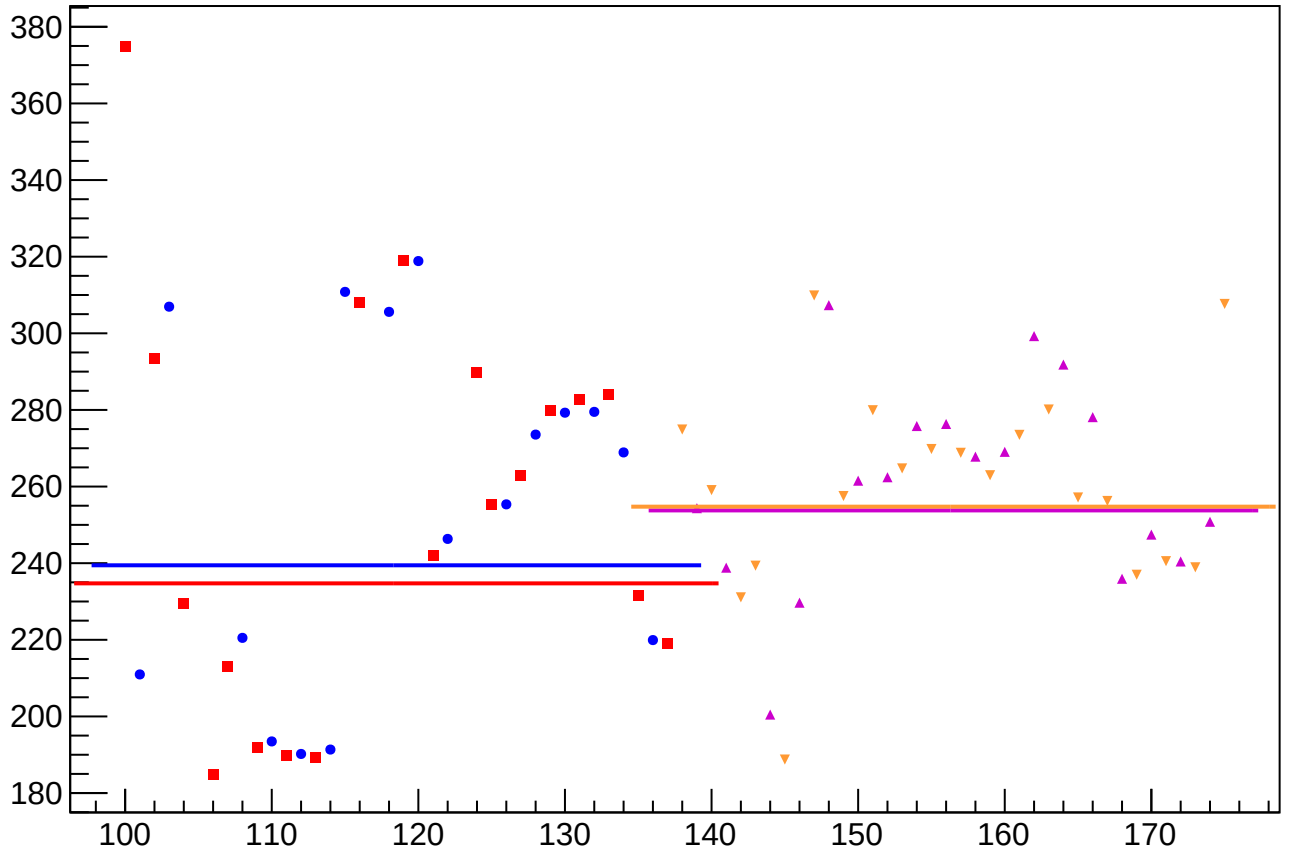
Left: 332.429+/-46.247 χ^2/NDF: 42.9/37

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 200.147+/-53.527 χ^2/NDF:46.5/33

Out: 297.710+/-52.011 χ^2/NDF:33.9/38

All: 250.330+/-37.302 χ^2/NDF: 82.2/72



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

Left: 254.278+/-0.033 χ^2/NDF: 713501.5/37

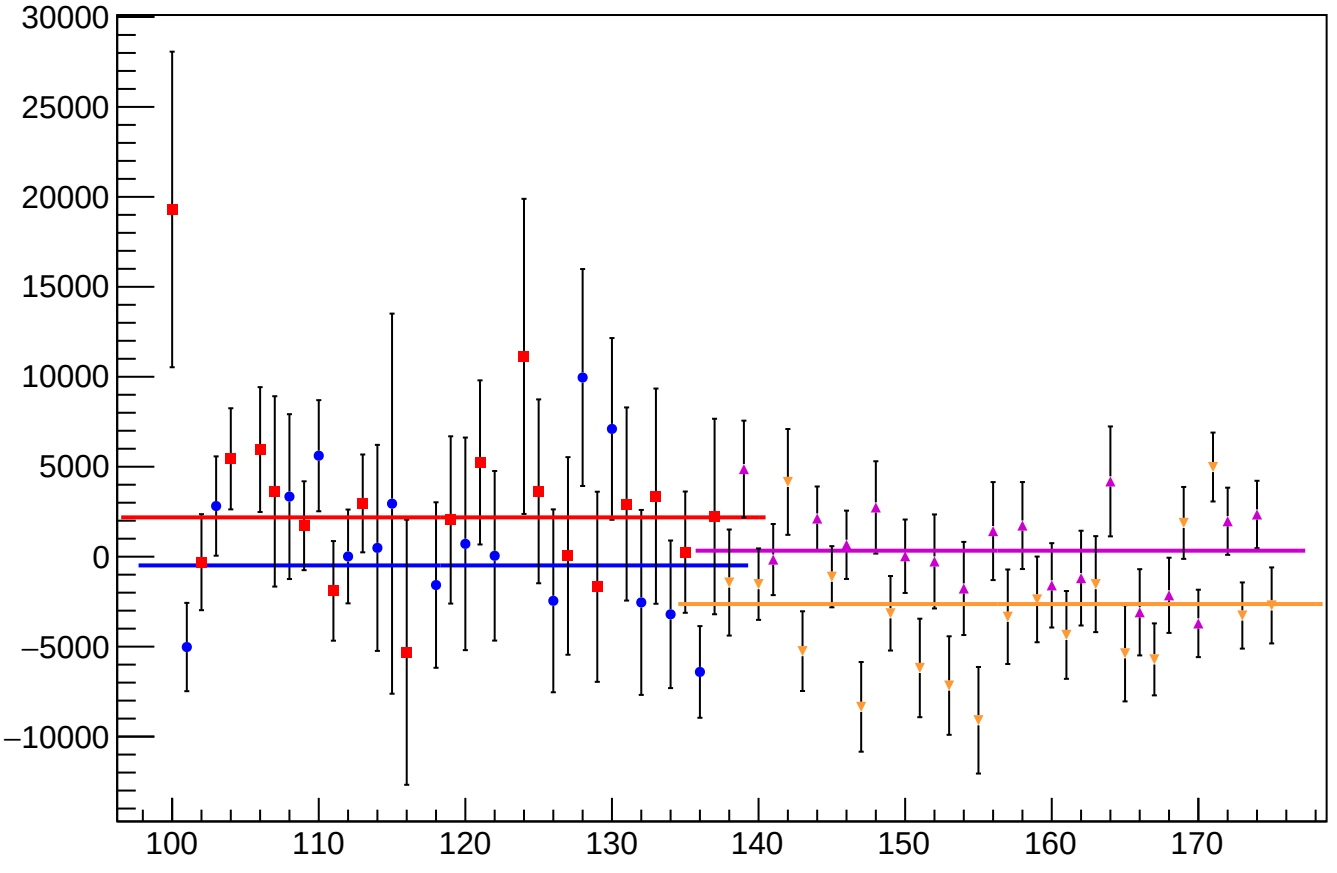
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.777+/-0.038 χ^2/NDF:753241.3/33

Out: 247.746+/-0.037 χ^2/NDF:946187.7/38

All: 248.247+/-0.026 χ^2/NDF: 1699810.4/72

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 333.698+/-521.710 χ^2/NDF:18.7/17

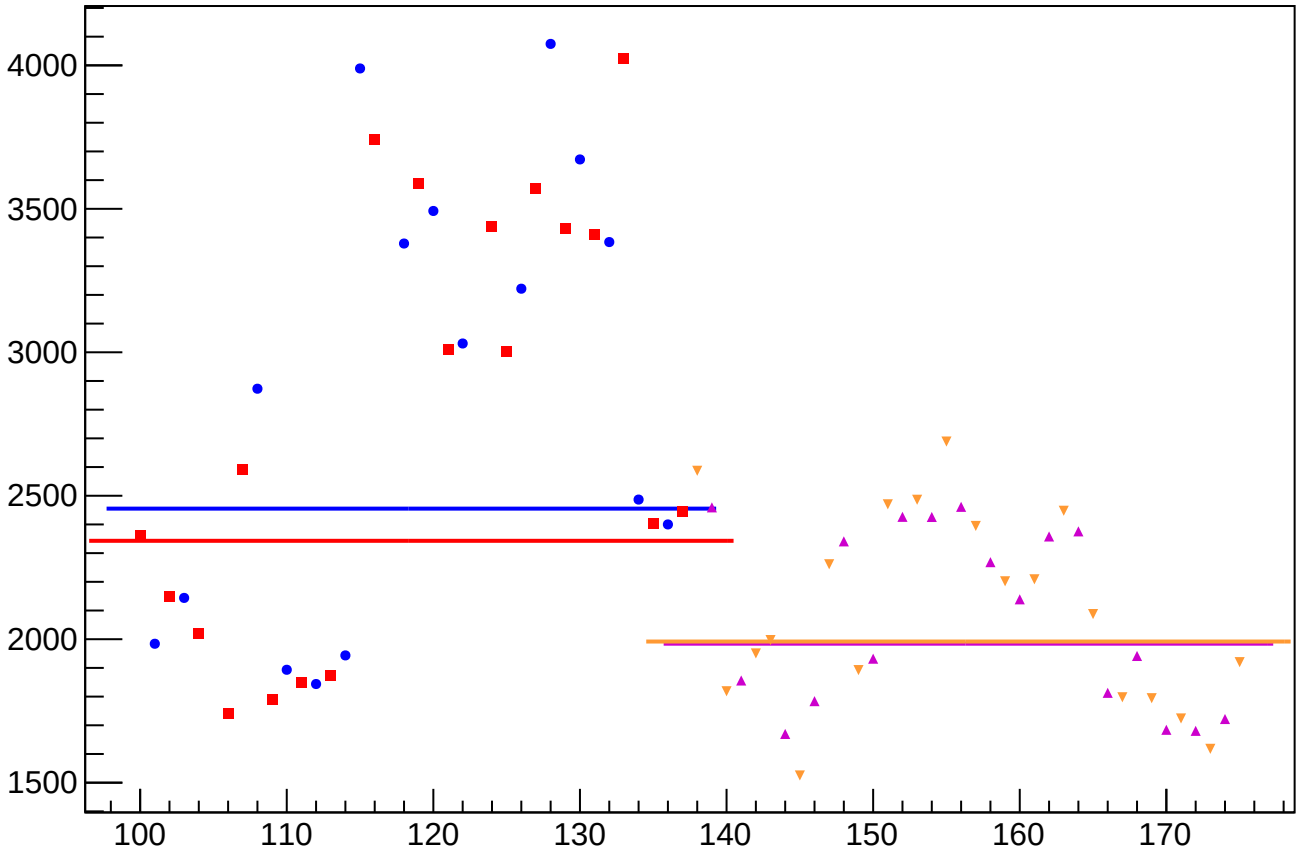
Left: -1188.538+/-364.045 χ^2/NDF: 83.0/37

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 142.964+/-457.008 χ^2/NDF:40.4/33

Out: -1460.061+/-442.050 χ^2/NDF:82.8/38

All: -685.211+/-317.733 χ^2/NDF: 129.6/72



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

Left: 1988.268+/-0.257 χ^2/NDF: 1451206.4/37

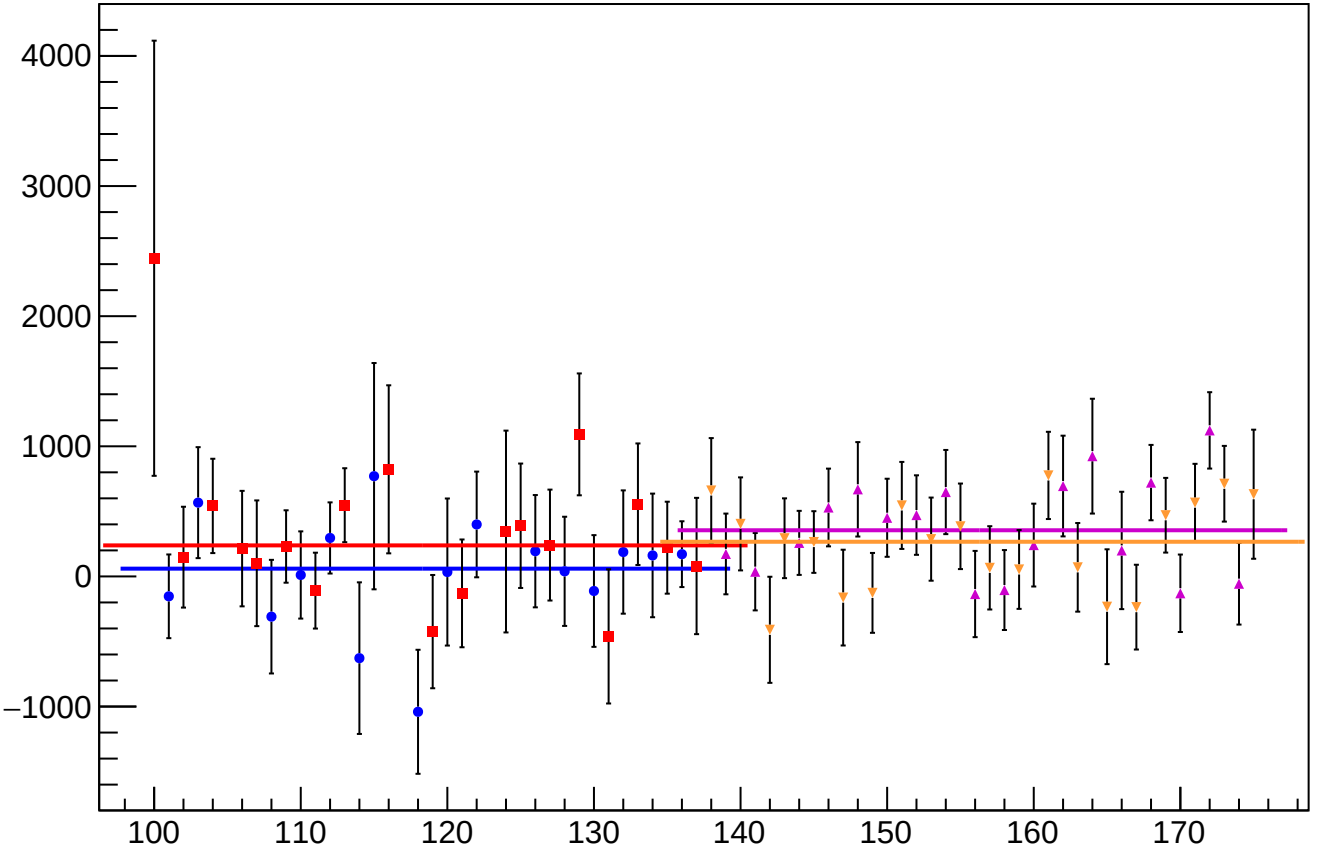
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.932+/-0.323 χ^2/NDF:1909430.5/33

Out: 2077.391+/-0.313 χ^2/NDF:2117408.0/38

All: 2085.386+/-0.225 χ^2/NDF: 4028192.0/72

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.444+/-73.238 χ^2/NDF:19.3/19

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 354.751+/-74.605 χ^2/NDF:23.7/17

Left: 309.781+/-52.264 χ^2/NDF: 43.7/37

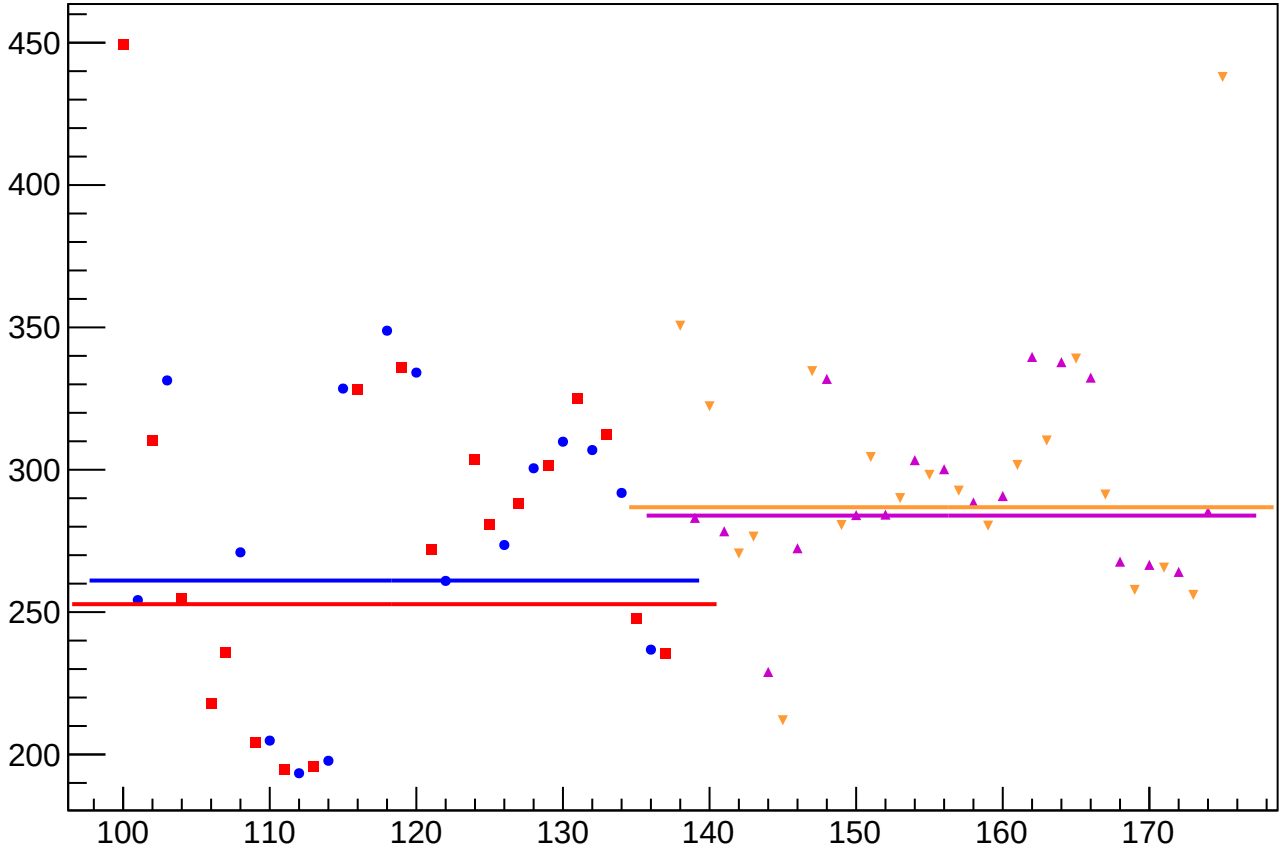
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 248.209+/-59.631 χ^2/NDF:41.4/33

Out: 256.042+/-58.017 χ^2/NDF:34.3/38

All: 252.233+/-41.583 χ^2/NDF: 75.7/72

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 286.842+/-0.052 χ^2/NDF:599412.1/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 283.898+/-0.053 χ^2/NDF:268234.8/17

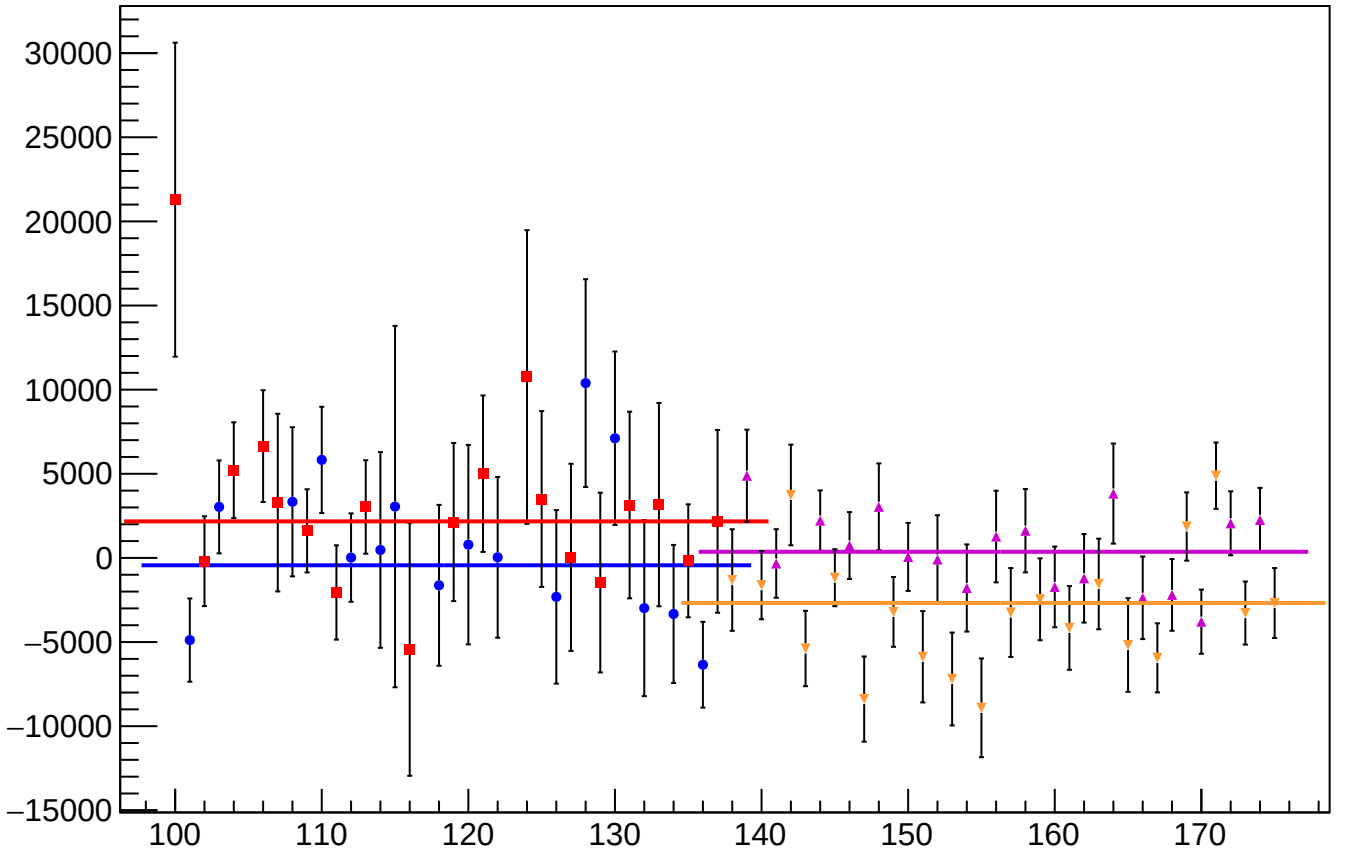
Left: 285.397+/-0.037 χ^2/NDF: 869233.4/37

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.661+/-0.042 χ^2/NDF:798407.3/33

Out: 274.158+/-0.041 χ^2/NDF:1297771.7/38

All: 274.889+/-0.029 χ^2/NDF: 2096832.0/72



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2677.356+/-514.495 χ^2/NDF:44.8/19

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 365.977+/-529.317 χ^2/NDF:17.8/17

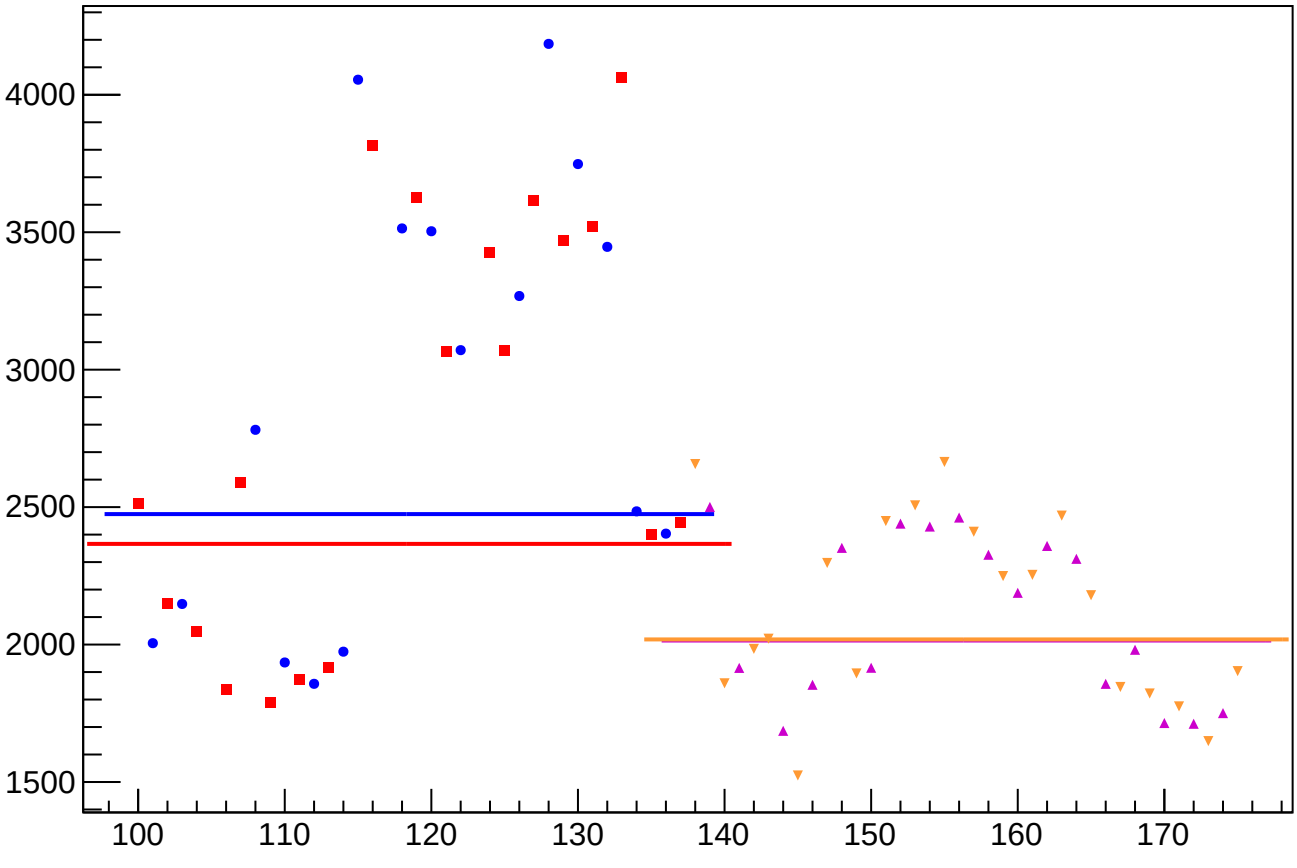
Left: -1198.898+/-368.932 χ^2/NDF: 79.6/37

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 177.374+/-462.977 χ^2/NDF:39.6/33

Out: -1485.116+/-446.796 χ^2/NDF:80.7/38

All: -683.429+/-321.501 χ^2/NDF: 126.9/72



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2018.687+/-0.364 χ^2/NDF:803304.2/19

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2014.661+/-0.374 χ^2/NDF:588353.4/17

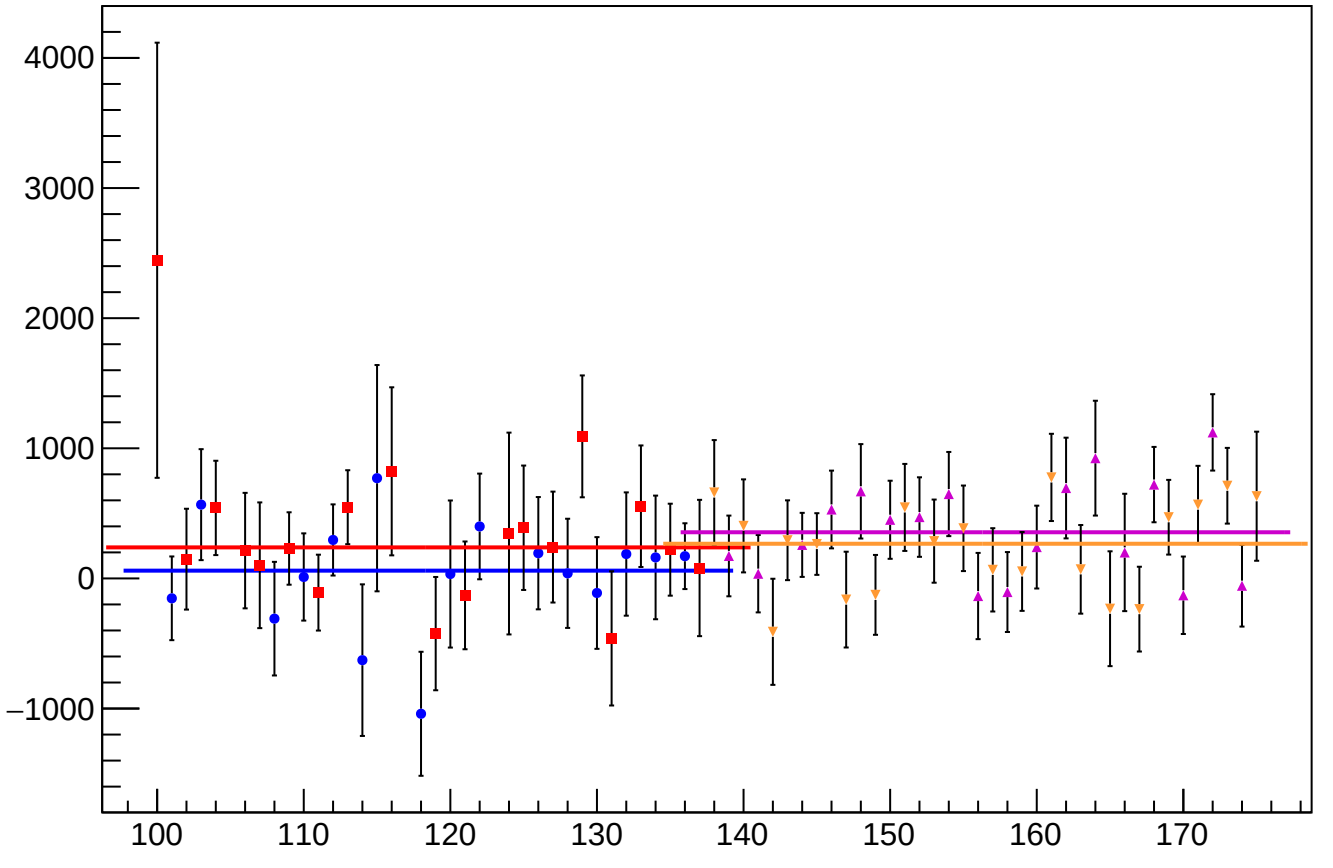
Left: 2016.731+/-0.261 χ^2/NDF: 1391717.0/37

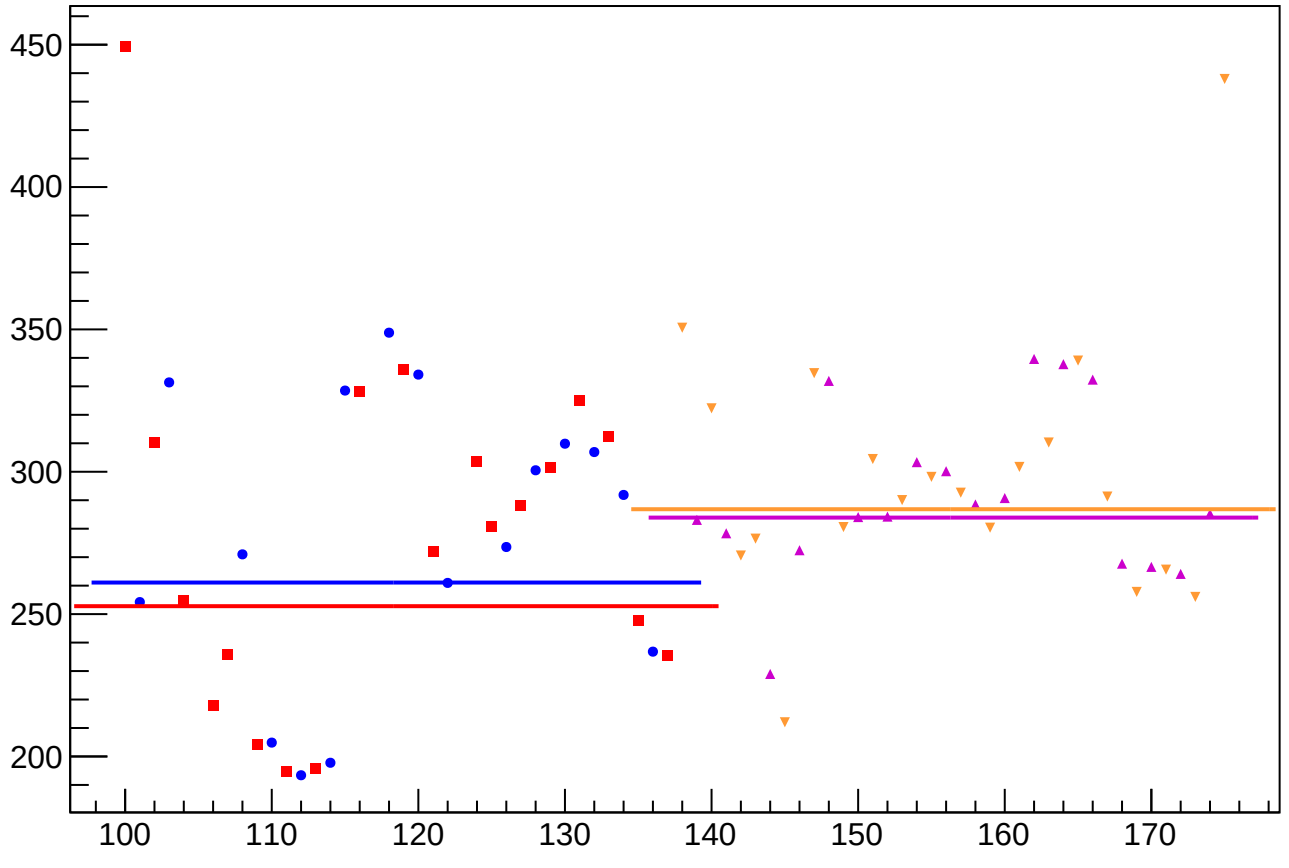
Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2122.733+/-0.327 χ^2/NDF:1859440.7/33

Out: 2104.128+/-0.316 χ^2/NDF:2104834.0/38

All: 2113.100+/-0.227 χ^2/NDF: 3965946.8/72


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 266.449+/-73.238 χ²/NDF:19.3/19
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 354.752+/-74.605 χ²/NDF:23.7/17
Left: 309.784+/-52.264 χ²/NDF: 43.7/37
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 248.211+/-59.631 χ²/NDF:41.4/33
Out: 256.044+/-58.017 χ²/NDF:34.3/38
All: 252.235+/-41.583 χ²/NDF: 75.7/72



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 286.843+/-0.052 χ^2/NDF:599409.4/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 283.898+/-0.053 χ^2/NDF:268234.0/17

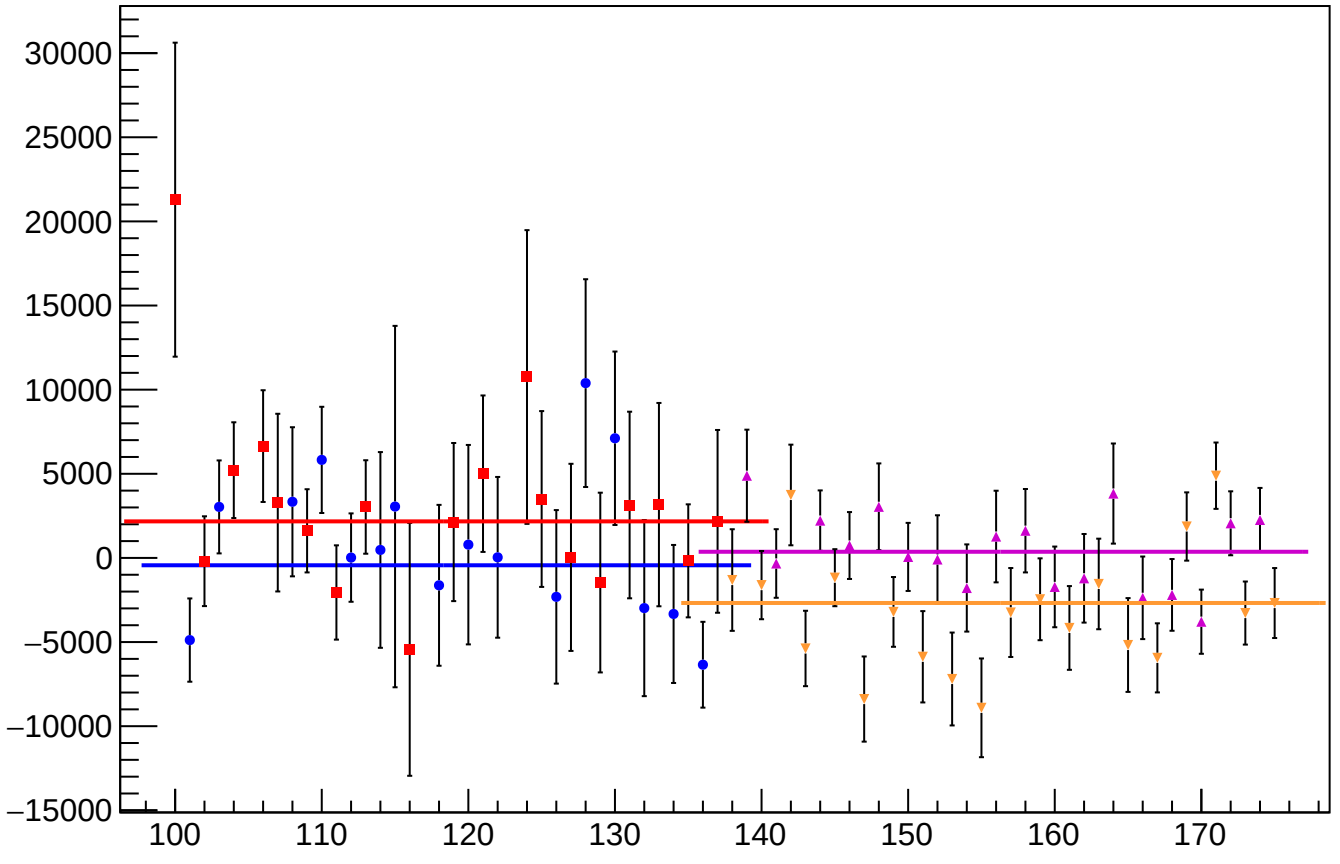
Left: 285.398+/-0.037 χ^2/NDF: 869229.9/37

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.661+/-0.042 χ^2/NDF:798411.0/33

Out: 274.158+/-0.041 χ^2/NDF:1297776.2/38

All: 274.889+/-0.029 χ^2/NDF: 2096840.0/72



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2677.351+/-514.494 χ^2/NDF:44.8/19

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 365.974+/-529.317 χ^2/NDF:17.8/17

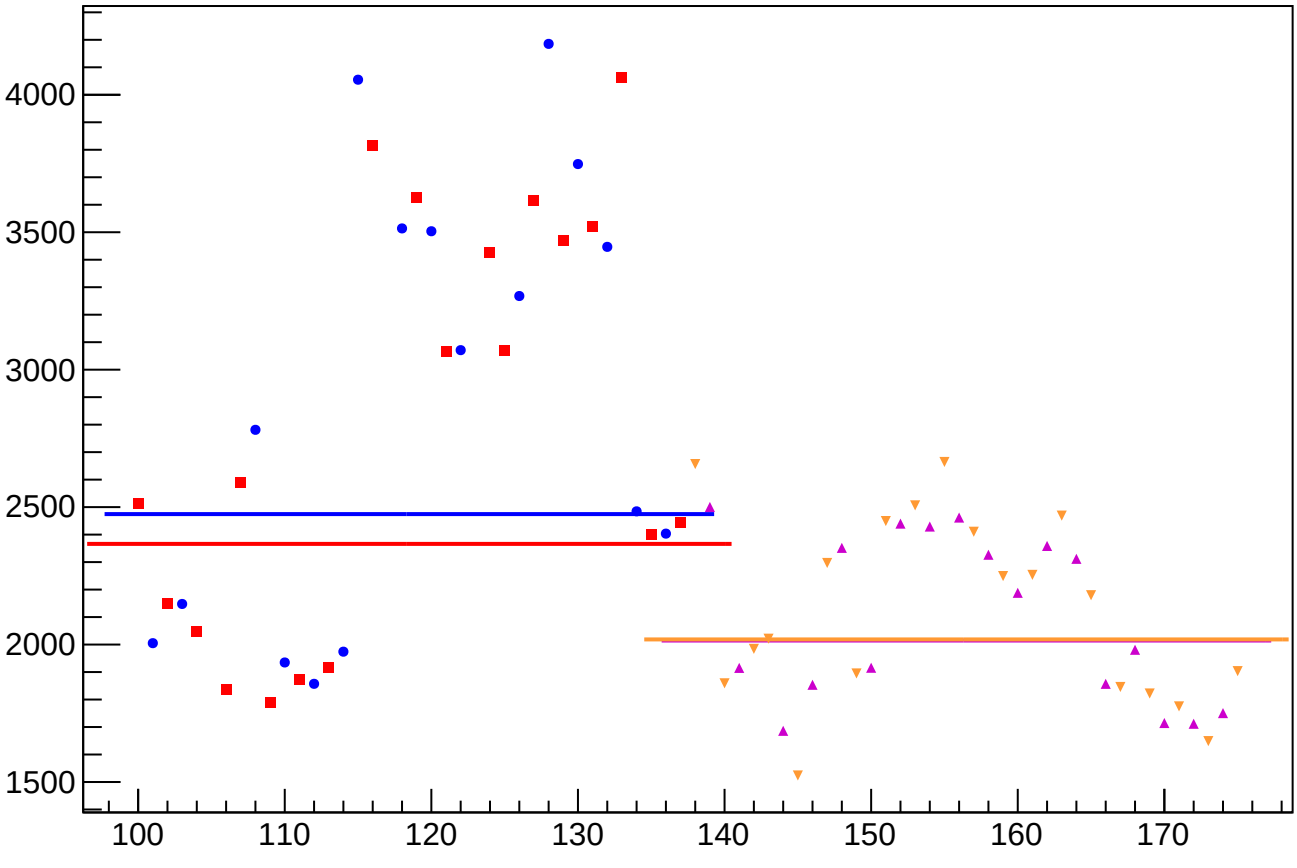
Left: -1198.897+/-368.931 χ^2/NDF: 79.6/37

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 177.373+/-462.976 χ^2/NDF:39.6/33

Out: -1485.114+/-446.796 χ^2/NDF:80.7/38

All: -683.428+/-321.500 χ^2/NDF: 126.9/72



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2018.684+/-0.364 χ^2/NDF:803308.4/19

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2014.659+/-0.374 χ^2/NDF:588354.3/17

Left: 2016.729+/-0.261 χ^2/NDF: 1391722.1/37

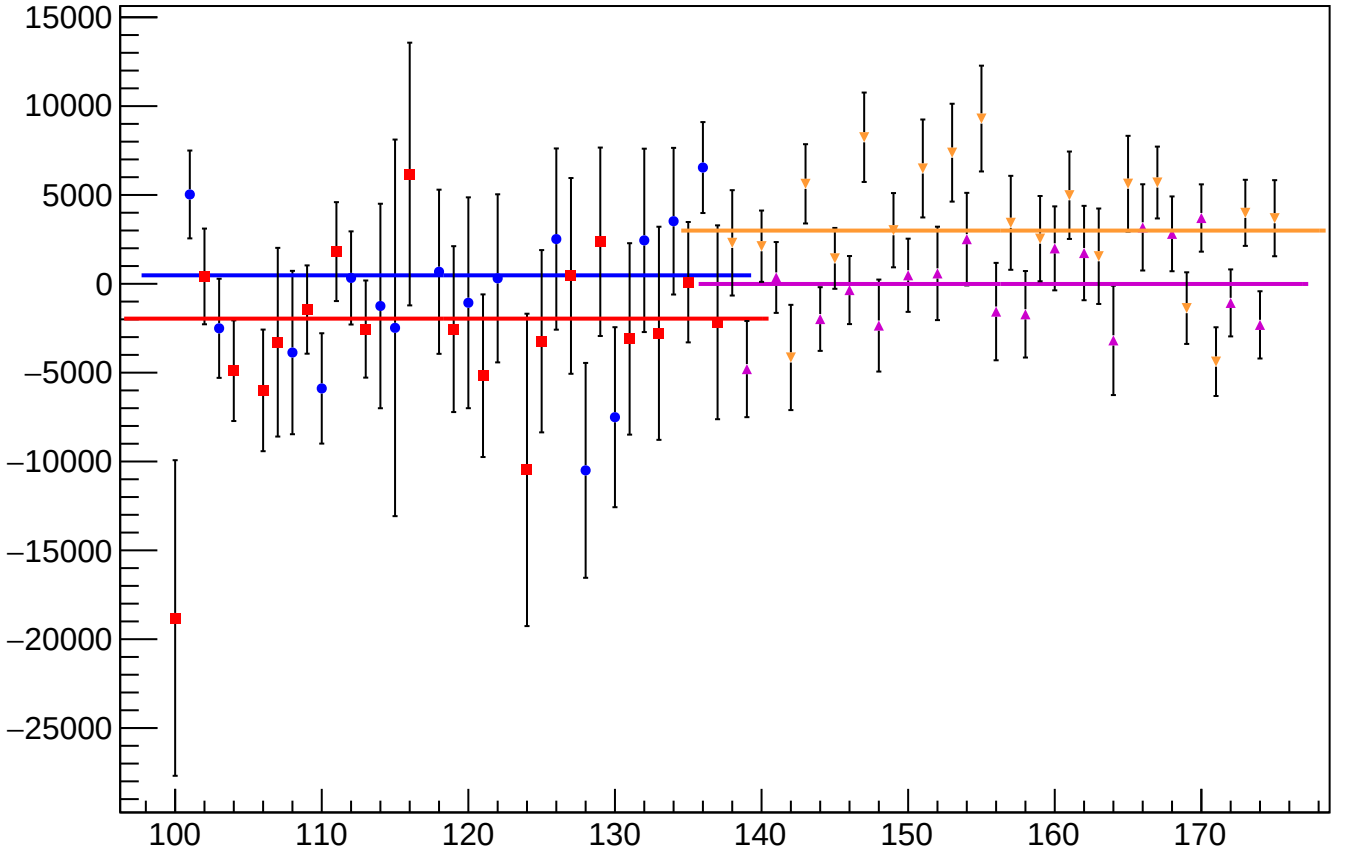
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2122.730+/-0.327 χ^2/NDF:1859446.6/33

Out: 2104.126+/-0.316 χ^2/NDF:2104842.1/38

All: 2113.097+/-0.227 χ^2/NDF: 3965960.9/72

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2995.794+/-512.631 χ^2/NDF:44.6/19

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -9.118+/-526.178 χ^2/NDF:18.5/17

Left: 1532.517+/-367.181 χ^2/NDF: 79.8/37

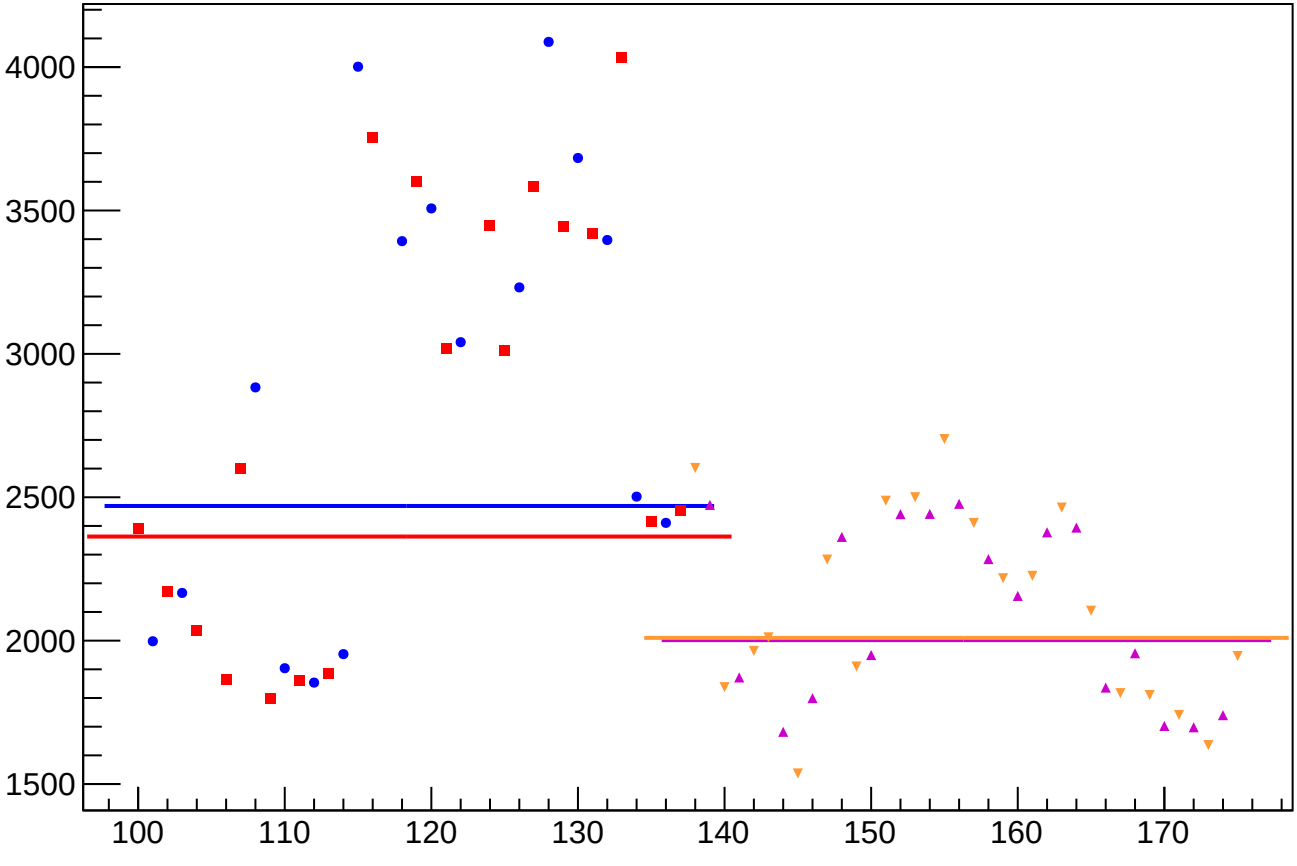
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 104.563+/-460.603 χ^2/NDF:40.8/33

Out: 1781.341+/-445.405 χ^2/NDF:80.4/38

All: 971.072+/-320.187 χ^2/NDF: 128.0/72

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2009.685+/-0.362 χ^2/NDF:802811.5/19

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2001.820+/-0.372 χ^2/NDF:626619.7/17

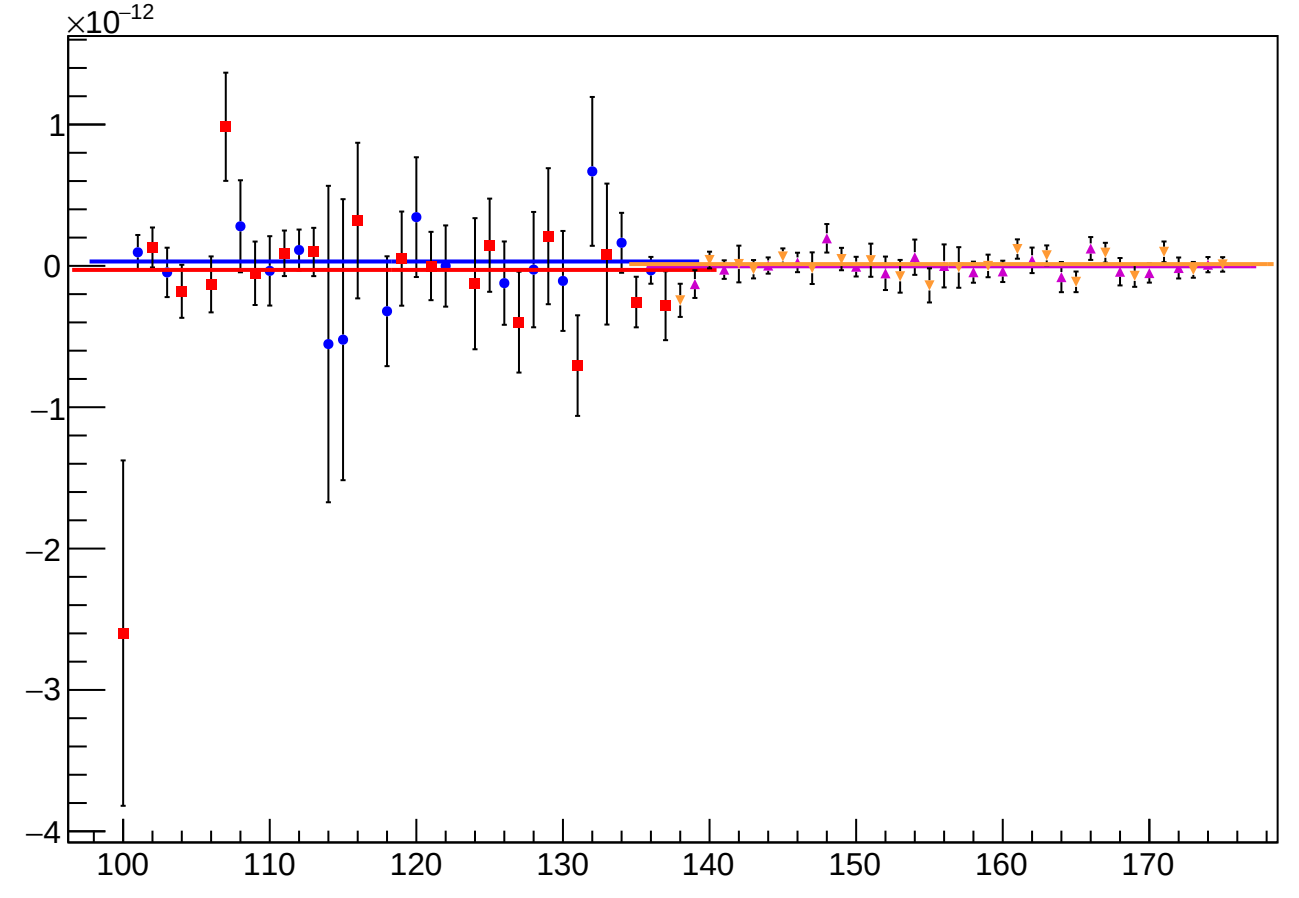
Left: 2005.855+/-0.260 χ^2/NDF: 1429660.4/37

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2111.158+/-0.326 χ^2/NDF:1882298.1/33

Out: 2096.289+/-0.315 χ^2/NDF:2079064.2/38

All: 2103.474+/-0.226 χ^2/NDF: 3962439.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/17

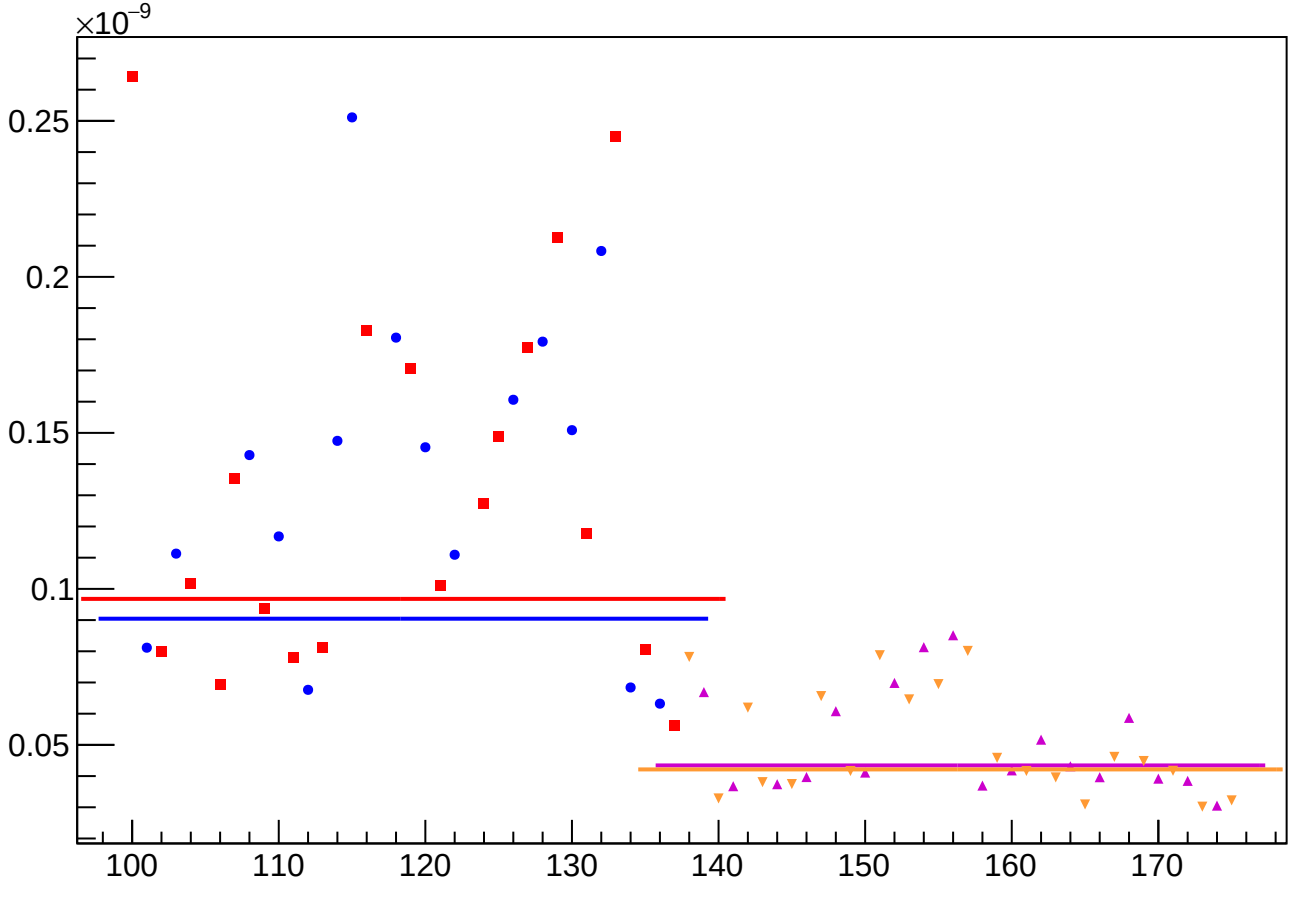
Left: 0.000+/-0.000 χ^2/NDF: 30.3/37

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:17.2/33

Out: 0.000+/-0.000 χ^2/NDF:42.9/38

All: 0.000+/-0.000 χ^2/NDF: 60.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136717.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:876706.1/17

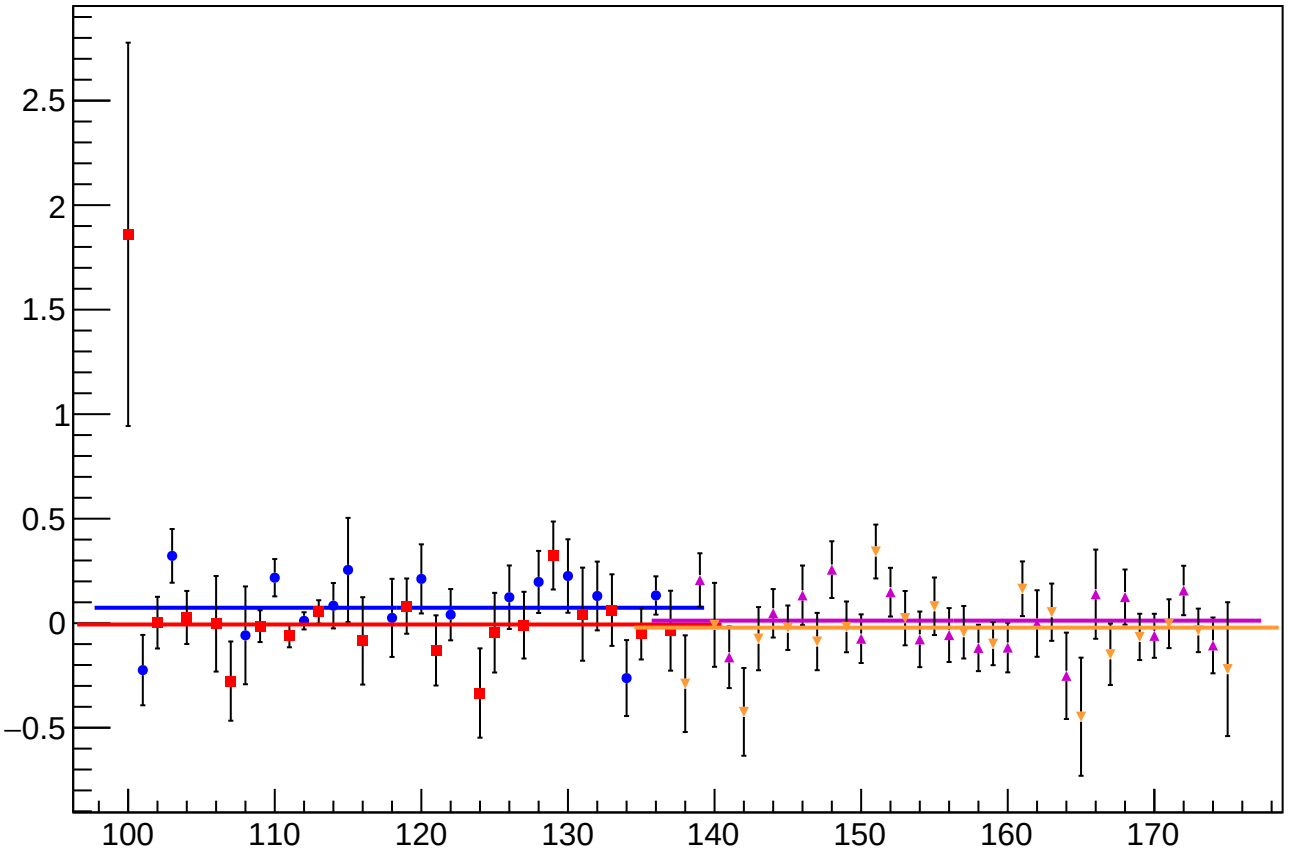
Left: 0.000+/-0.000 χ^2/NDF: 2018580.3/37

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3226759.6/33

Out: 0.000+/-0.000 χ^2/NDF:3737322.1/38

All: 0.000+/-0.000 χ^2/NDF: 6976683.3/72



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

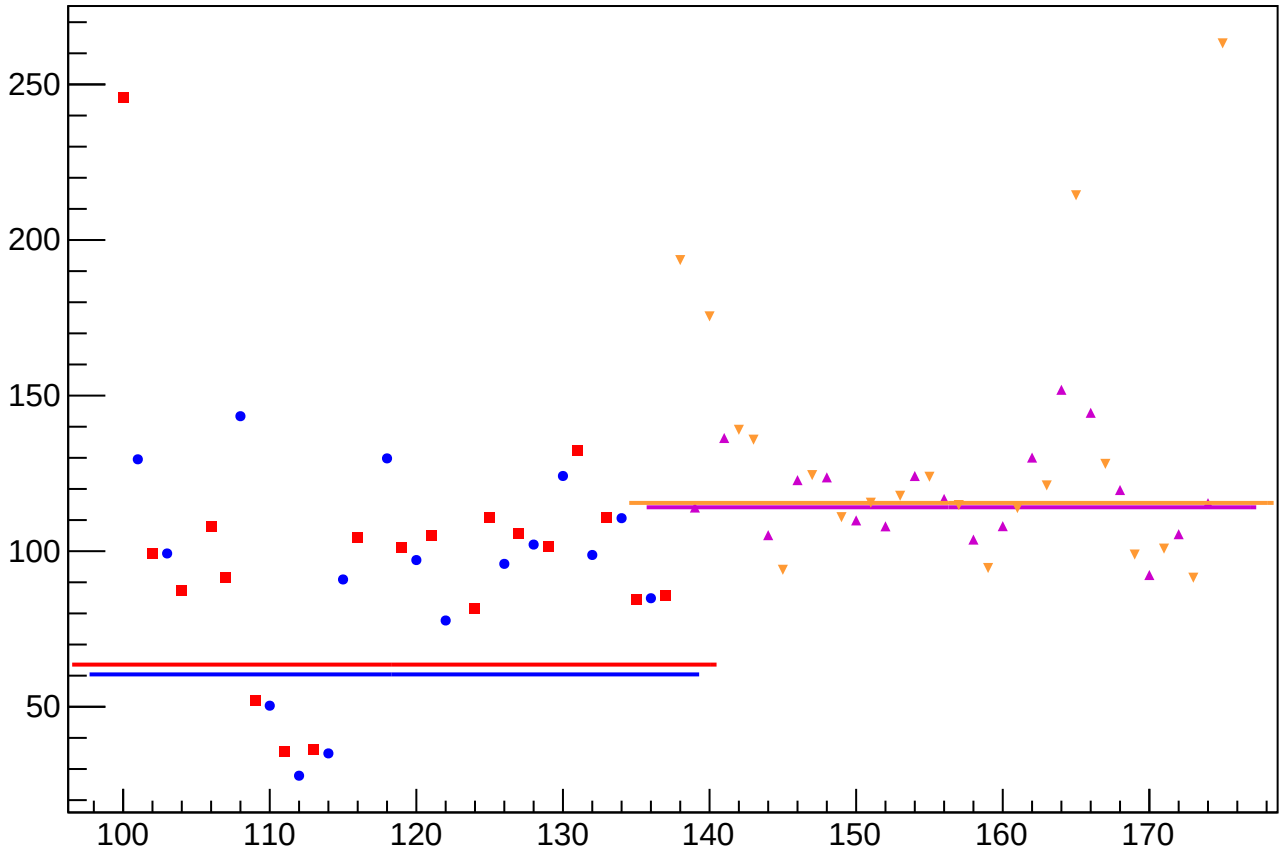
Left: -0.005+/-0.022 χ^2/NDF: 39.6/37

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.2/72



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

Left: 114.816+/-0.015 χ^2/NDF: 1870621.3/37

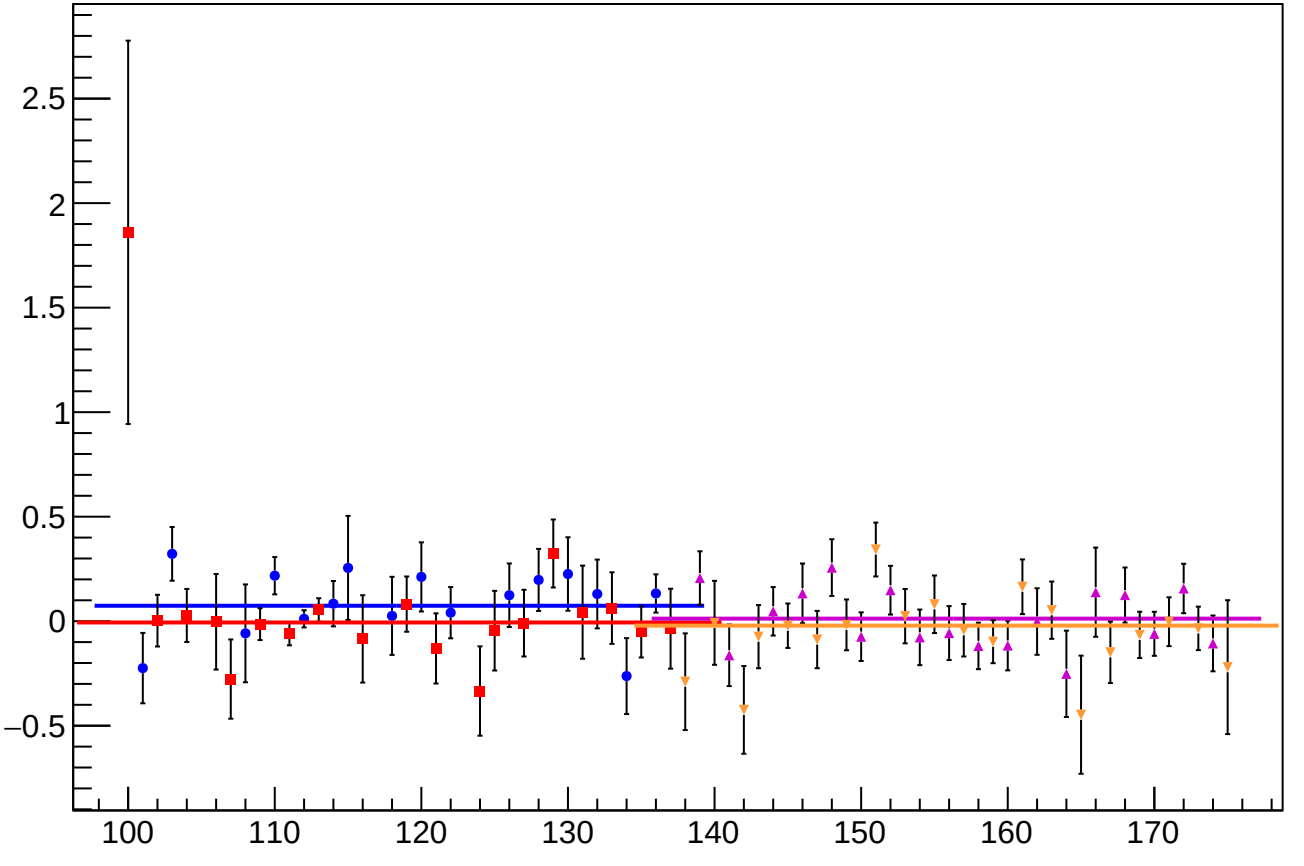
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.837+/-0.014 χ^2/NDF:7333850.0/33

Out: 86.248+/-0.014 χ^2/NDF:7453760.2/38

All: 85.051+/-0.010 χ^2/NDF: 14801844.1/72

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

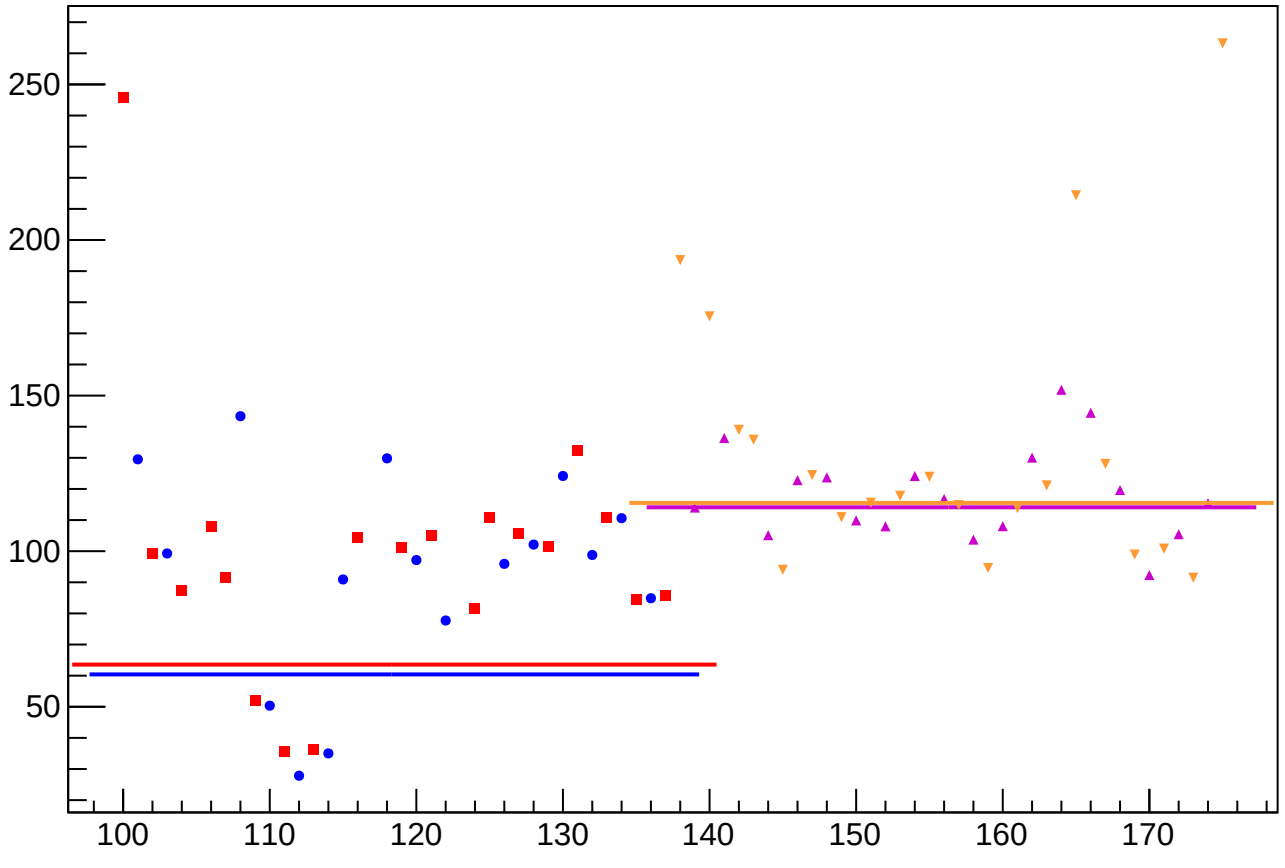
Left: -0.005+/-0.022 χ^2/NDF: 39.6/37

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.2/72



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

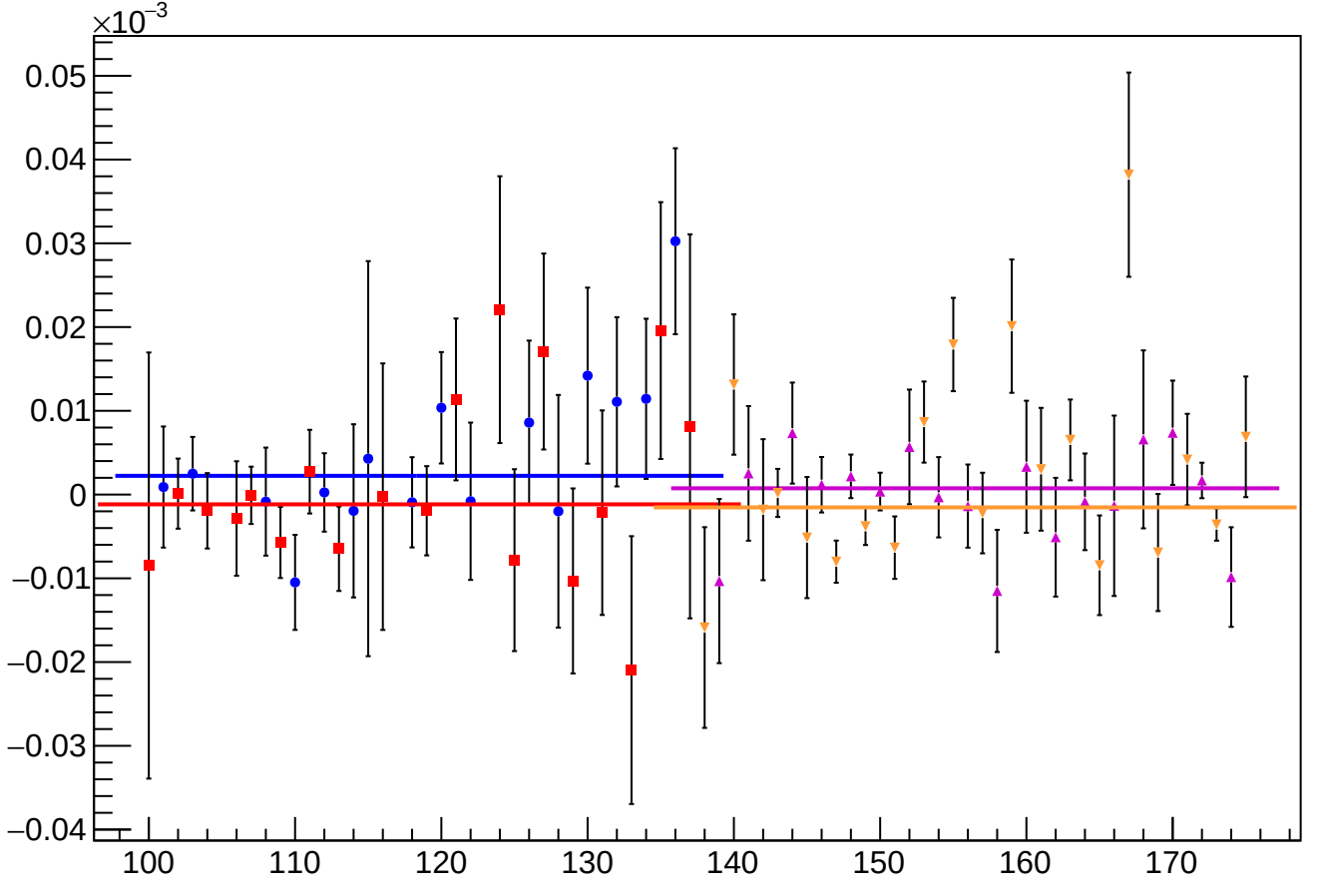
Left: 114.816+/-0.015 χ^2/NDF: 1870621.3/37

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.837+/-0.014 χ^2/NDF:7333850.0/33

Out: 86.248+/-0.014 χ^2/NDF:7453760.2/38

All: 85.051+/-0.010 χ^2/NDF: 14801844.1/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

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

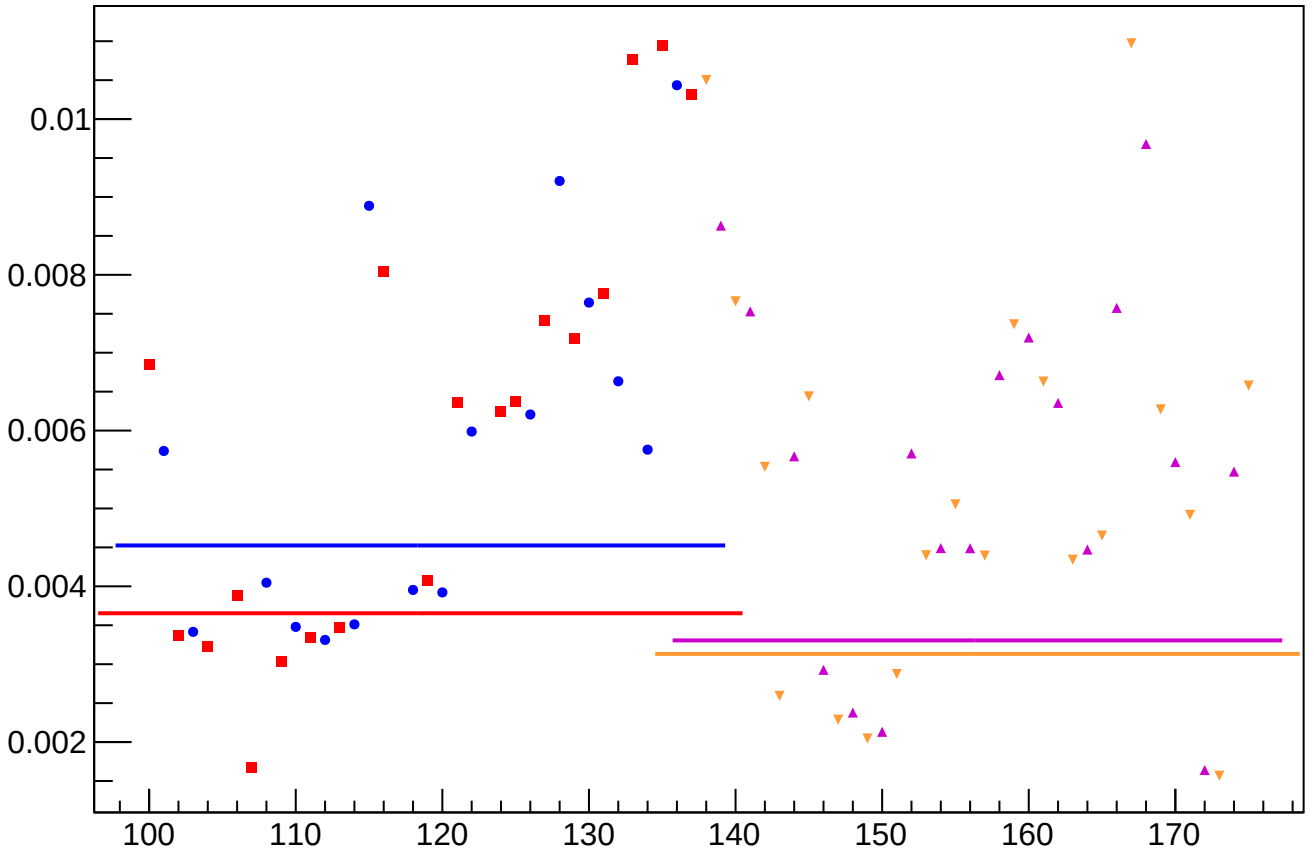
Left: -0.000+/-0.000 χ^2/NDF: 72.7/37

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:30.1/33

Out: -0.000+/-0.000 χ^2/NDF:71.9/38

All: -0.000+/-0.000 χ^2/NDF: 106.6/72



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:7700888.8/19

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6934026.2/17

Left: 0.003+/-0.000 χ^2/NDF: 14667028.7/37

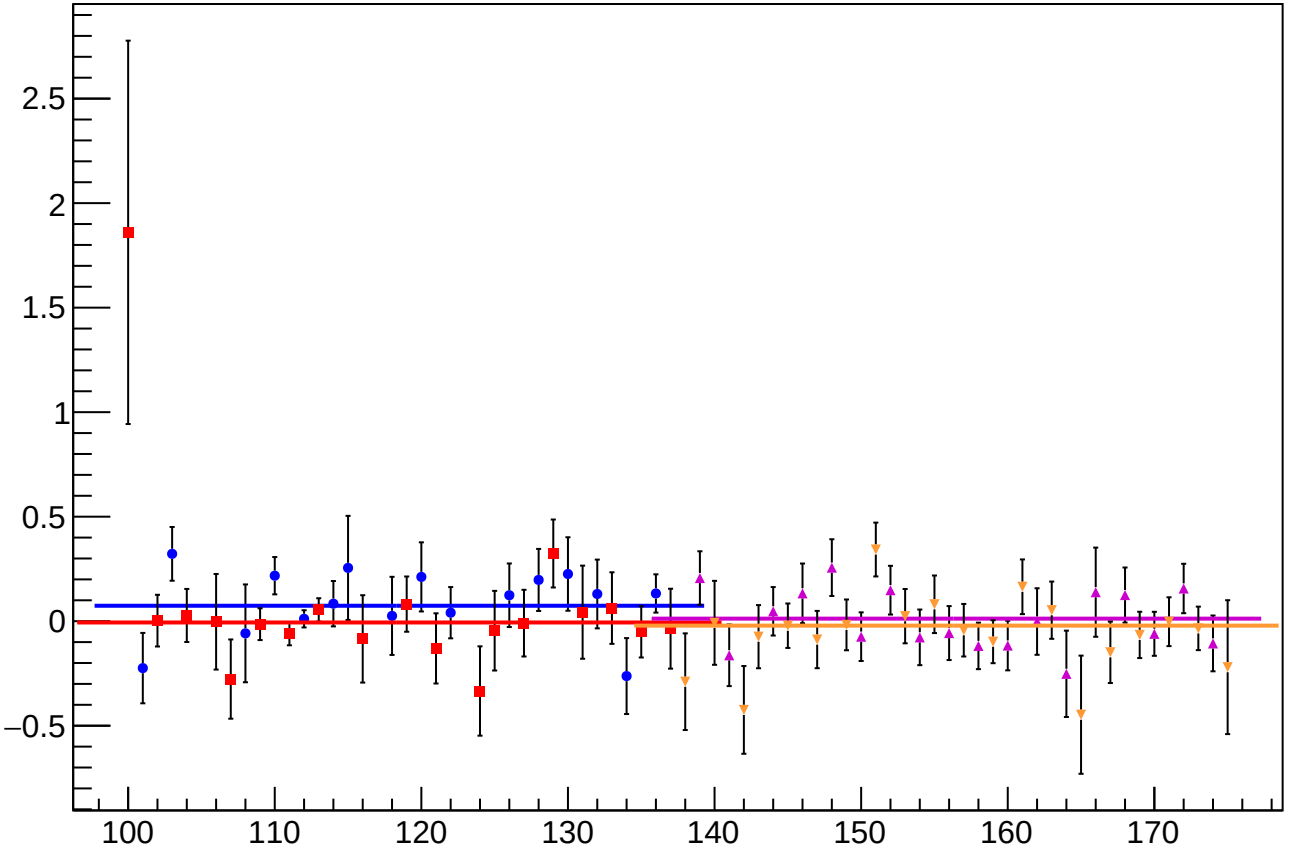
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:9345596.1/33

Out: 0.003+/-0.000 χ^2/NDF:10809986.4/38

All: 0.003+/-0.000 χ^2/NDF: 20303125.3/72

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

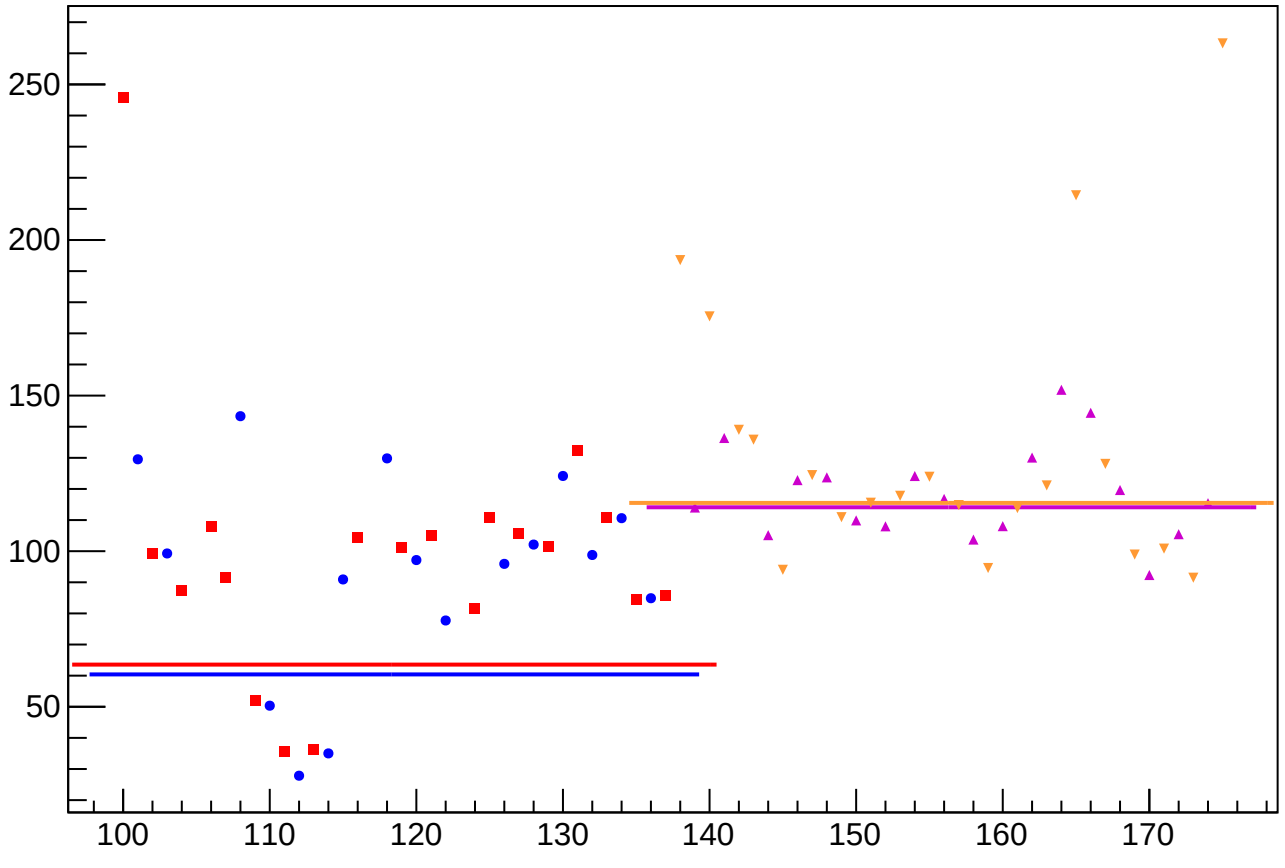
Left: -0.005+/-0.022 χ^2/NDF: 39.6/37

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.2/72



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

Left: 114.817+/-0.015 χ^2/NDF: 1870600.5/37

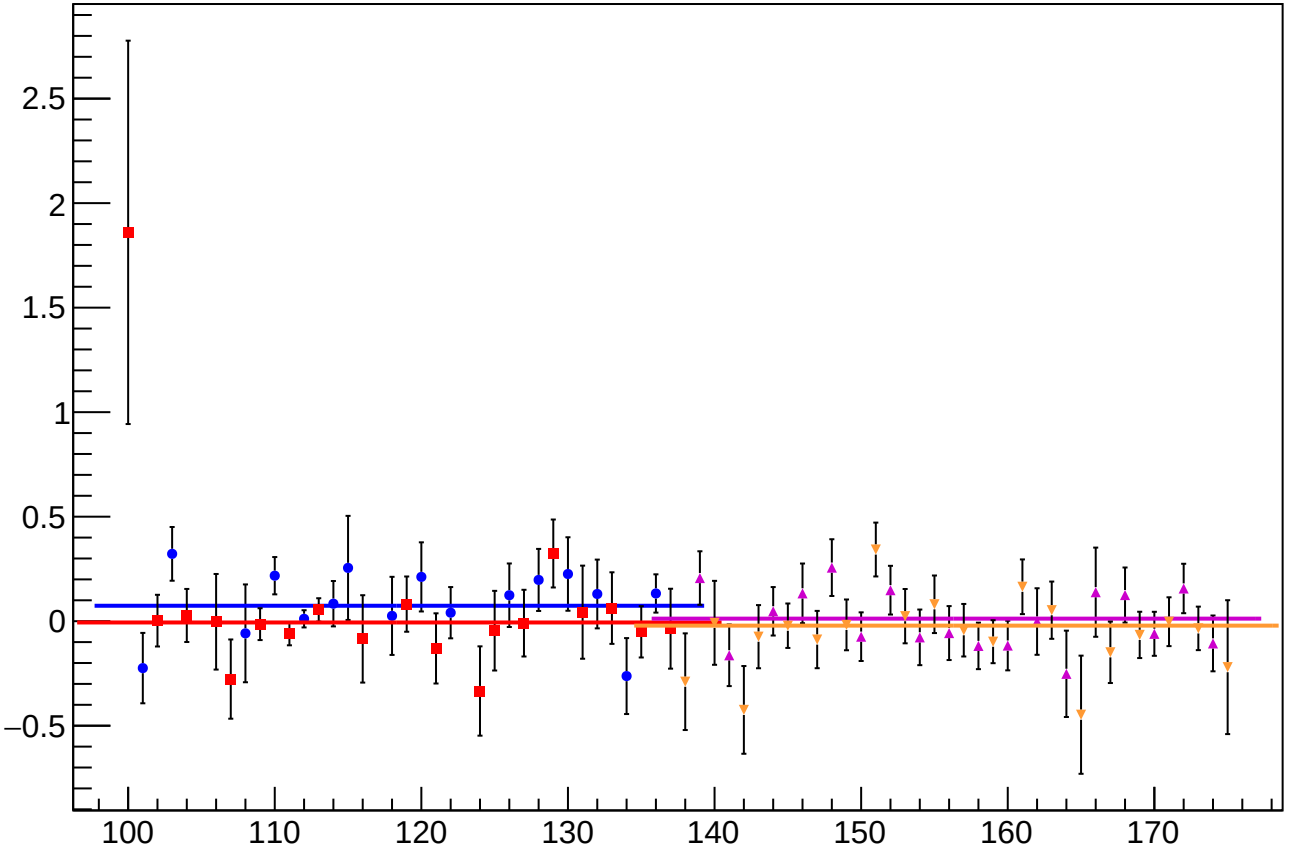
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.836+/-0.014 χ^2/NDF:7334530.5/33

Out: 86.247+/-0.014 χ^2/NDF:7454379.0/38

All: 85.050+/-0.010 χ^2/NDF: 14803147.4/72

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

Left: -0.005+/-0.022 χ^2/NDF: 39.6/37

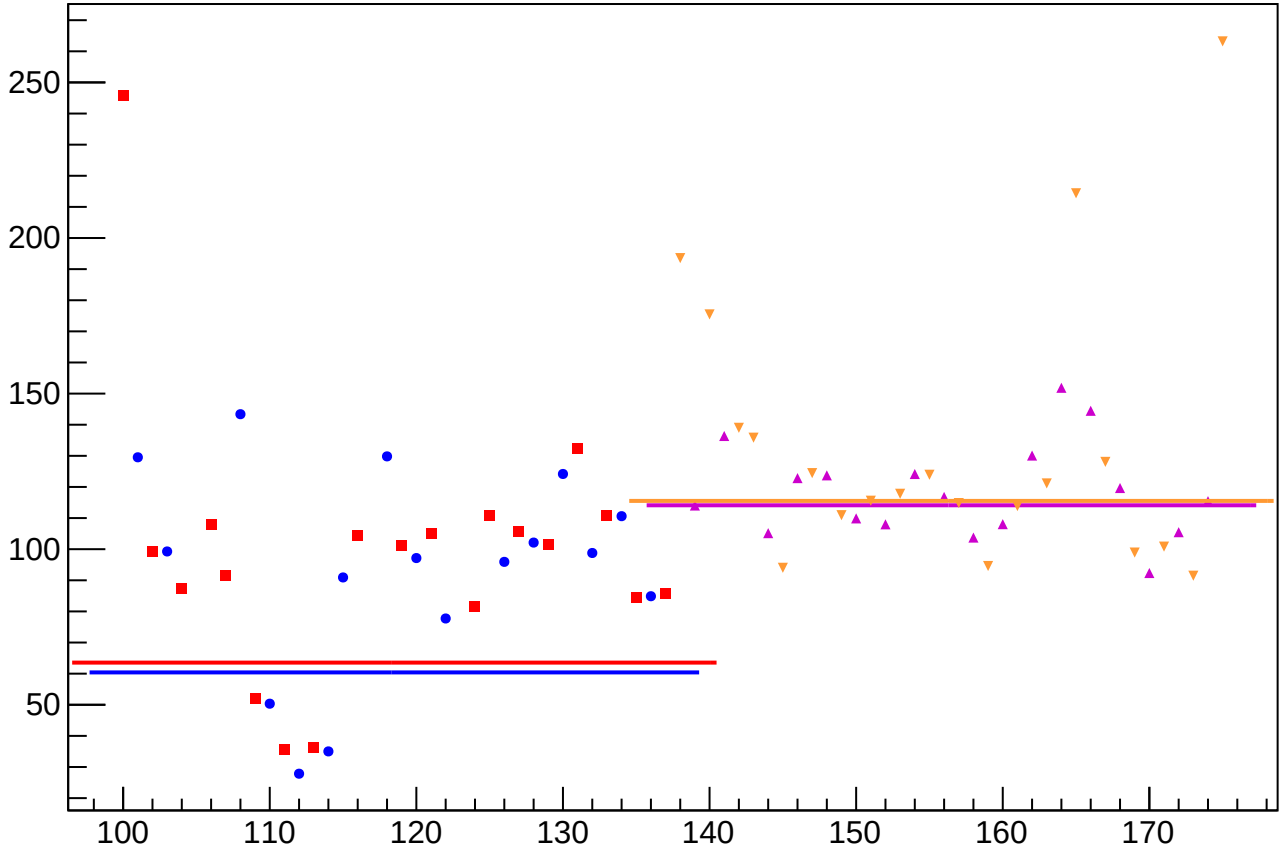
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.2/72

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

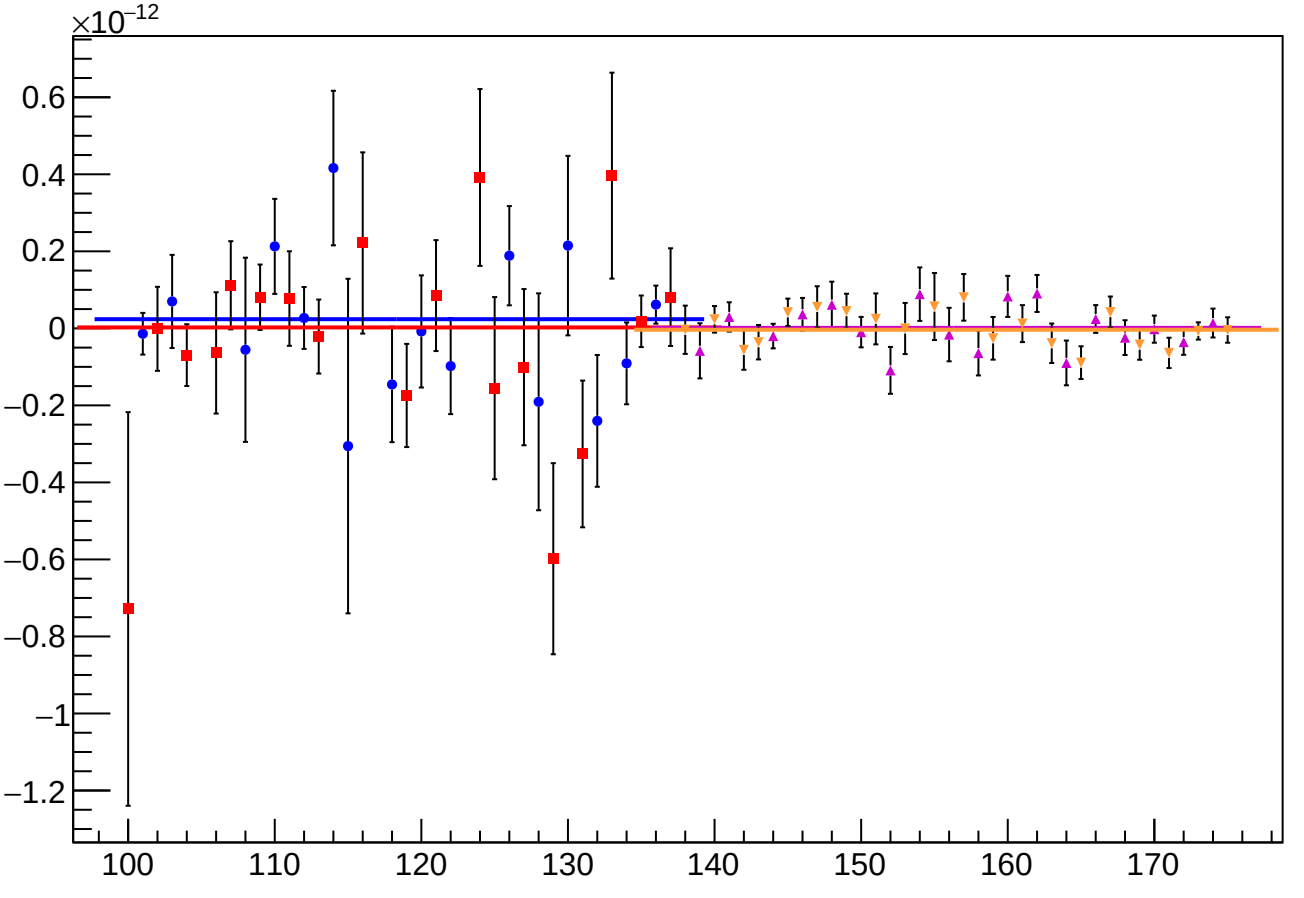
Left: 114.817+/-0.015 χ^2/NDF: 1870600.5/37

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.836+/-0.014 χ^2/NDF:7334530.5/33

Out: 86.247+/-0.014 χ^2/NDF:7454379.0/38

All: 85.050+/-0.010 χ^2/NDF: 14803147.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/17

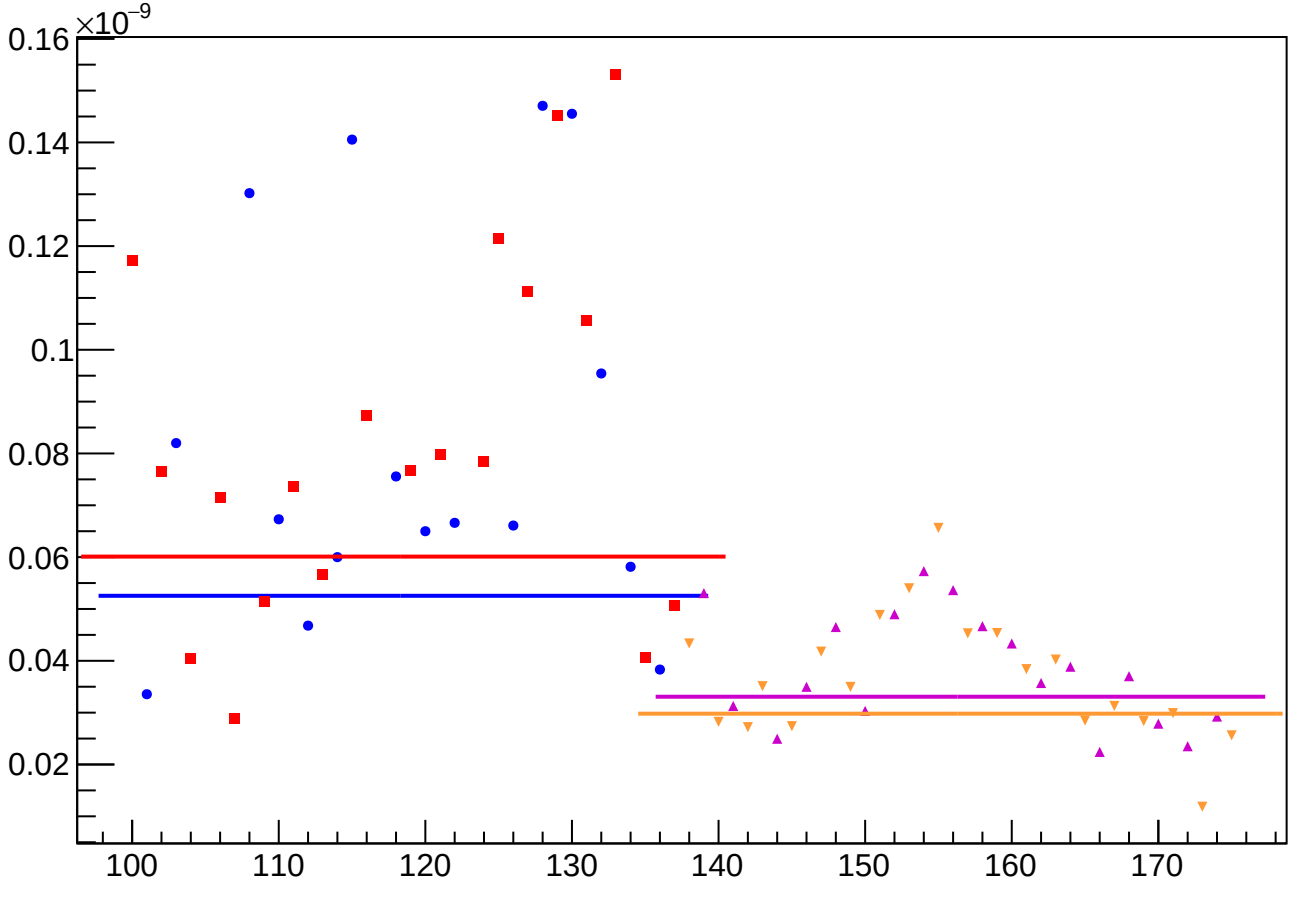
Left: -0.000+/-0.000 χ^2/NDF: 38.3/37

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:37.5/33

Out: -0.000+/-0.000 χ^2/NDF:41.3/38

All: 0.000+/-0.000 χ^2/NDF: 79.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2789220.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1589885.1/17

Left: 0.000+/-0.000 χ^2/NDF: 4485464.8/37

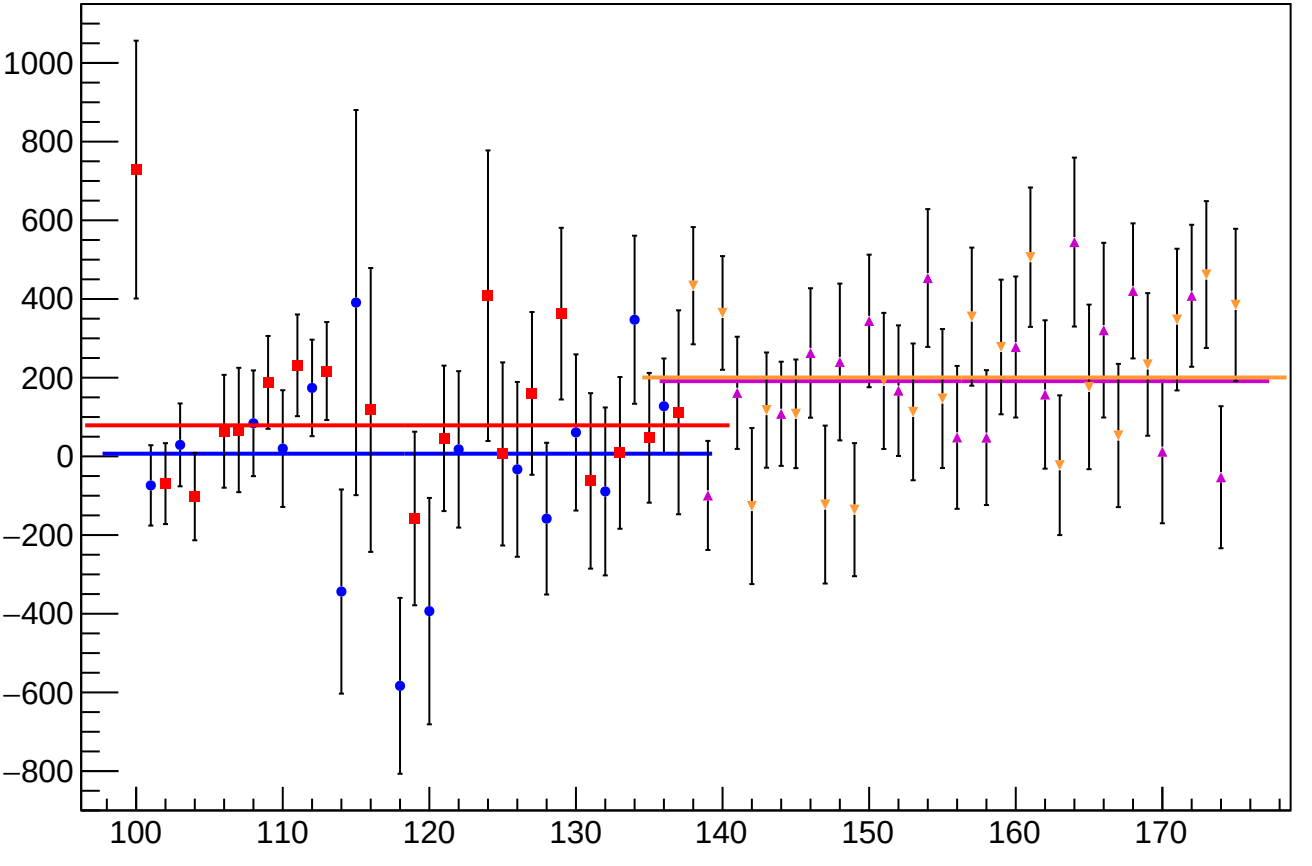
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4191031.8/33

Out: 0.000+/-0.000 χ^2/NDF:6314381.1/38

All: 0.000+/-0.000 χ^2/NDF: 10605085.6/72

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.536+/-38.469 χ^2/NDF:23.9/19

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 191.208+/-40.304 χ^2/NDF:18.8/17

Left: 196.089+/-27.828 χ^2/NDF: 42.8/37

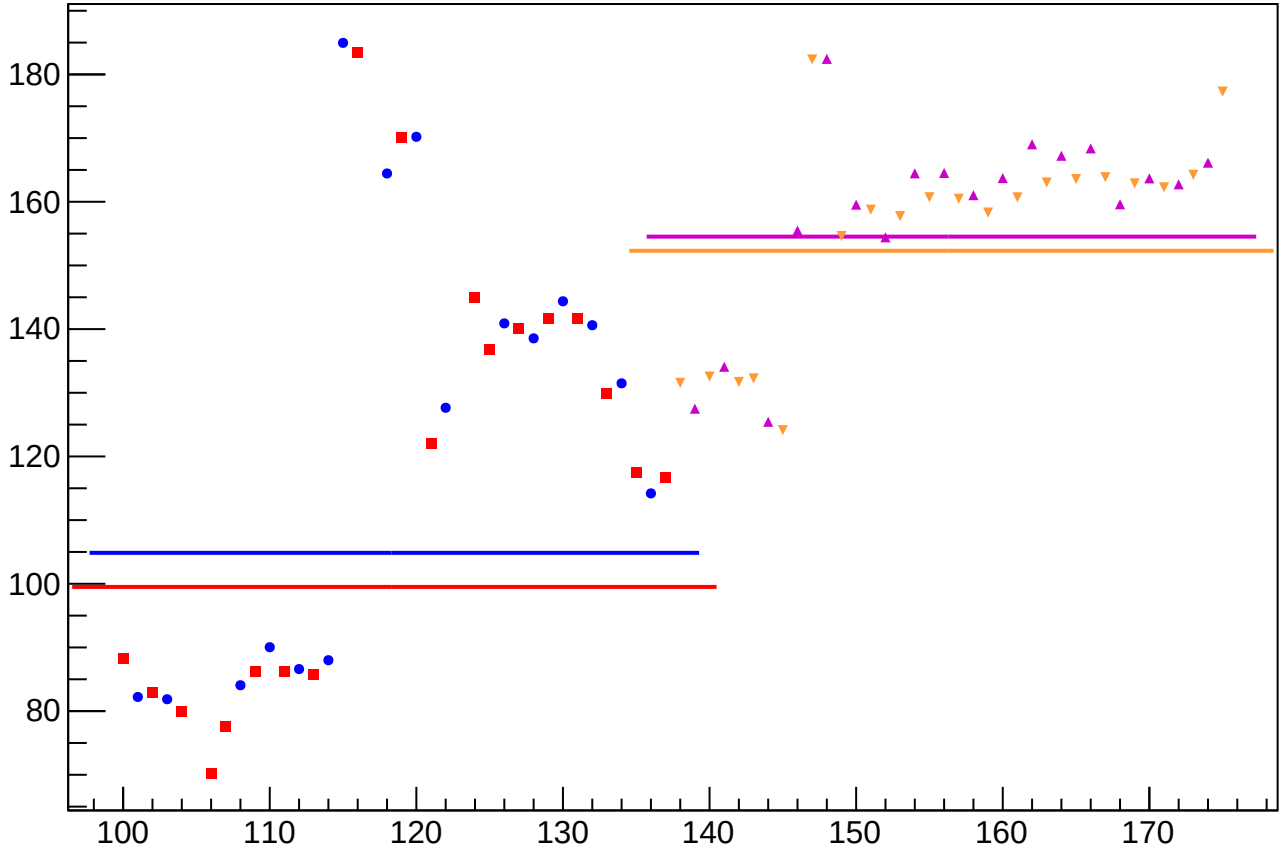
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 99.121+/-28.517 χ^2/NDF:48.1/33

Out: 138.813+/-27.000 χ^2/NDF:45.7/38

All: 120.051+/-19.606 χ^2/NDF: 94.7/72

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

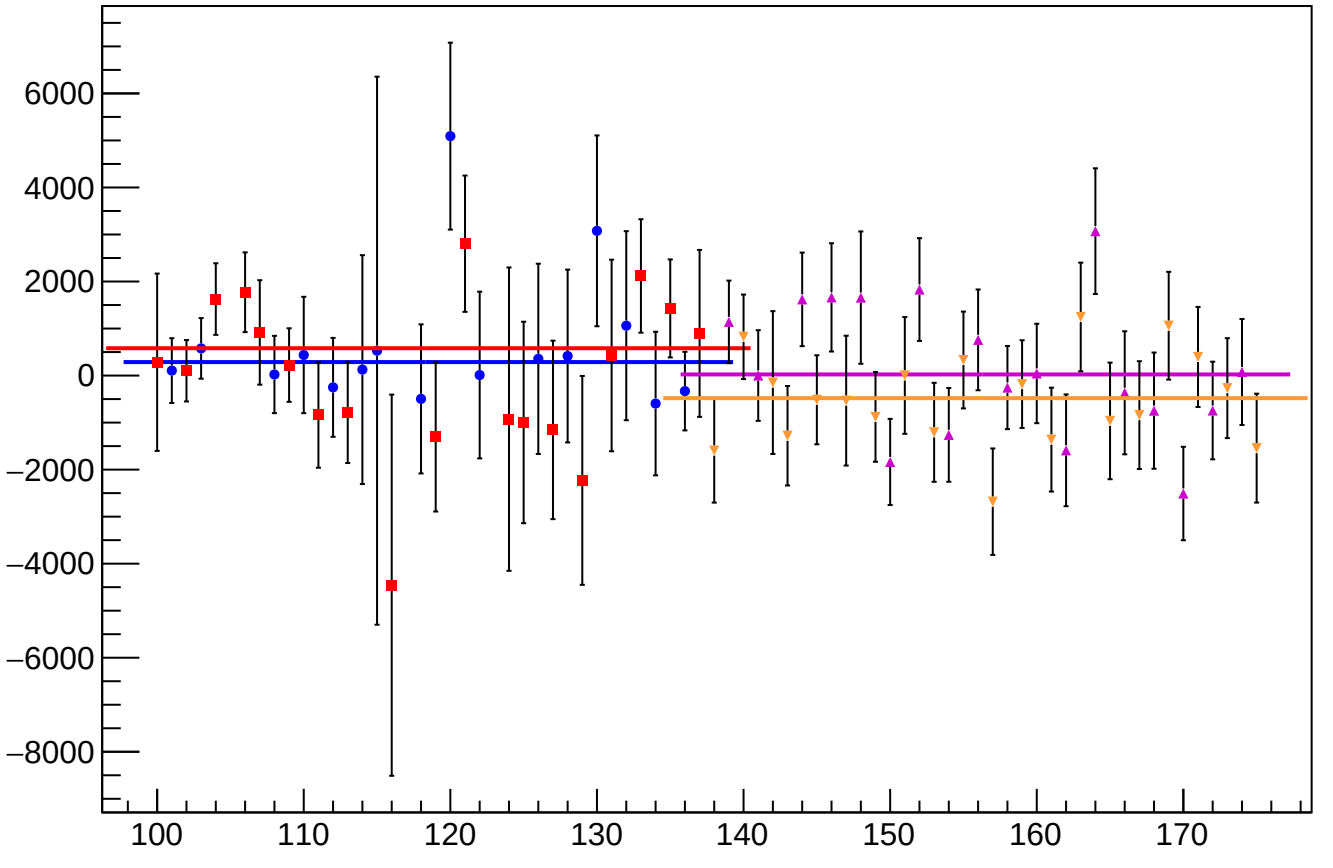
Left: 153.361+/-0.020 χ^2/NDF: 684239.9/37

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 129.722+/-0.020 χ^2/NDF:2769007.5/33

Out: 125.516+/-0.019 χ^2/NDF:3310127.5/38

All: 127.504+/-0.014 χ^2/NDF: 6102082.2/72



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -479.994+/-243.934 χ^2/NDF:15.5/19

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 24.223+/-250.339 χ^2/NDF:31.2/17

Left: -234.418+/-174.708 χ^2/NDF: 48.8/37

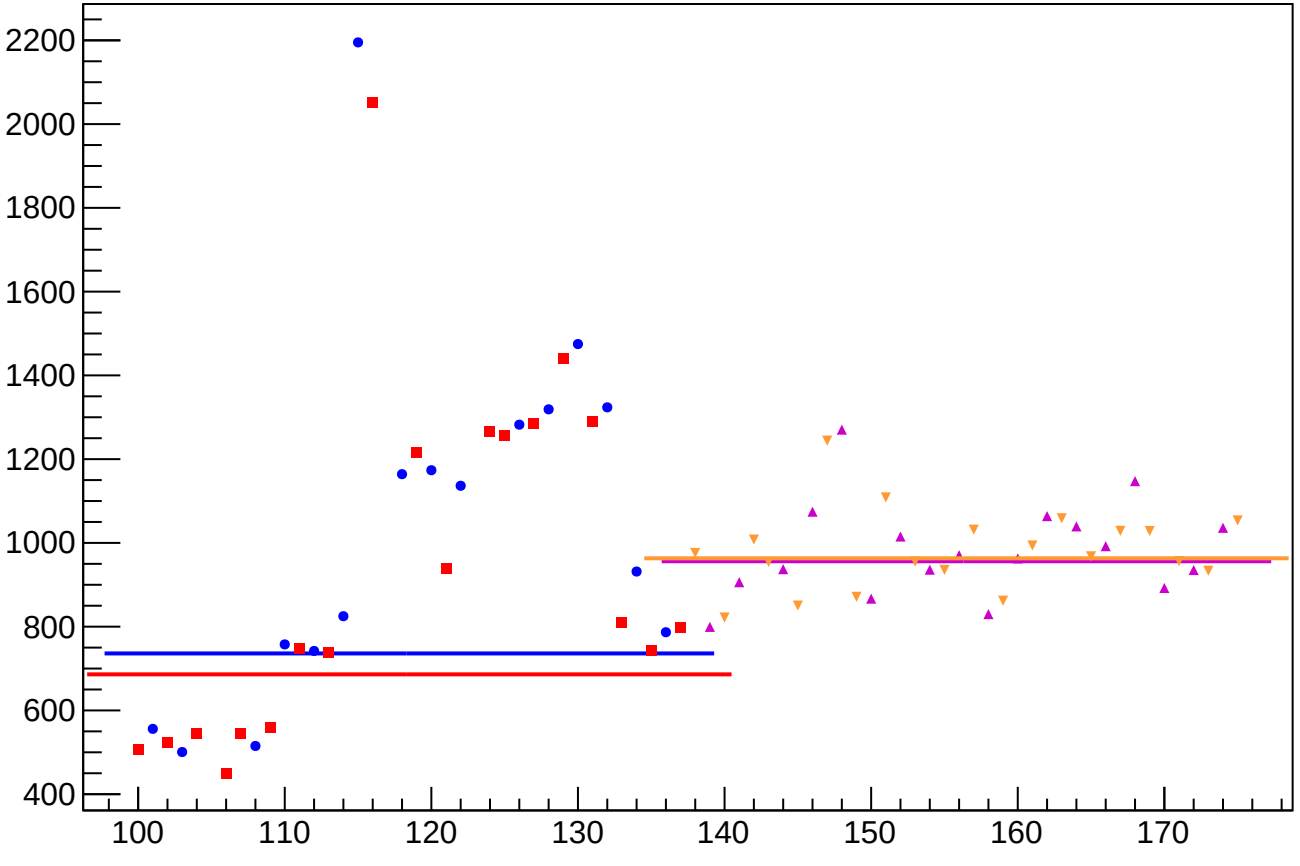
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 134.863+/-190.459 χ^2/NDF:41.4/33

Out: -2.635+/-180.935 χ^2/NDF:42.8/38

All: 62.590+/-131.178 χ^2/NDF: 84.5/72

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283490.3/19

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 956.193+/-0.177 χ^2/NDF:350335.6/17

Left: 959.796+/-0.124 χ^2/NDF: 634633.6/37

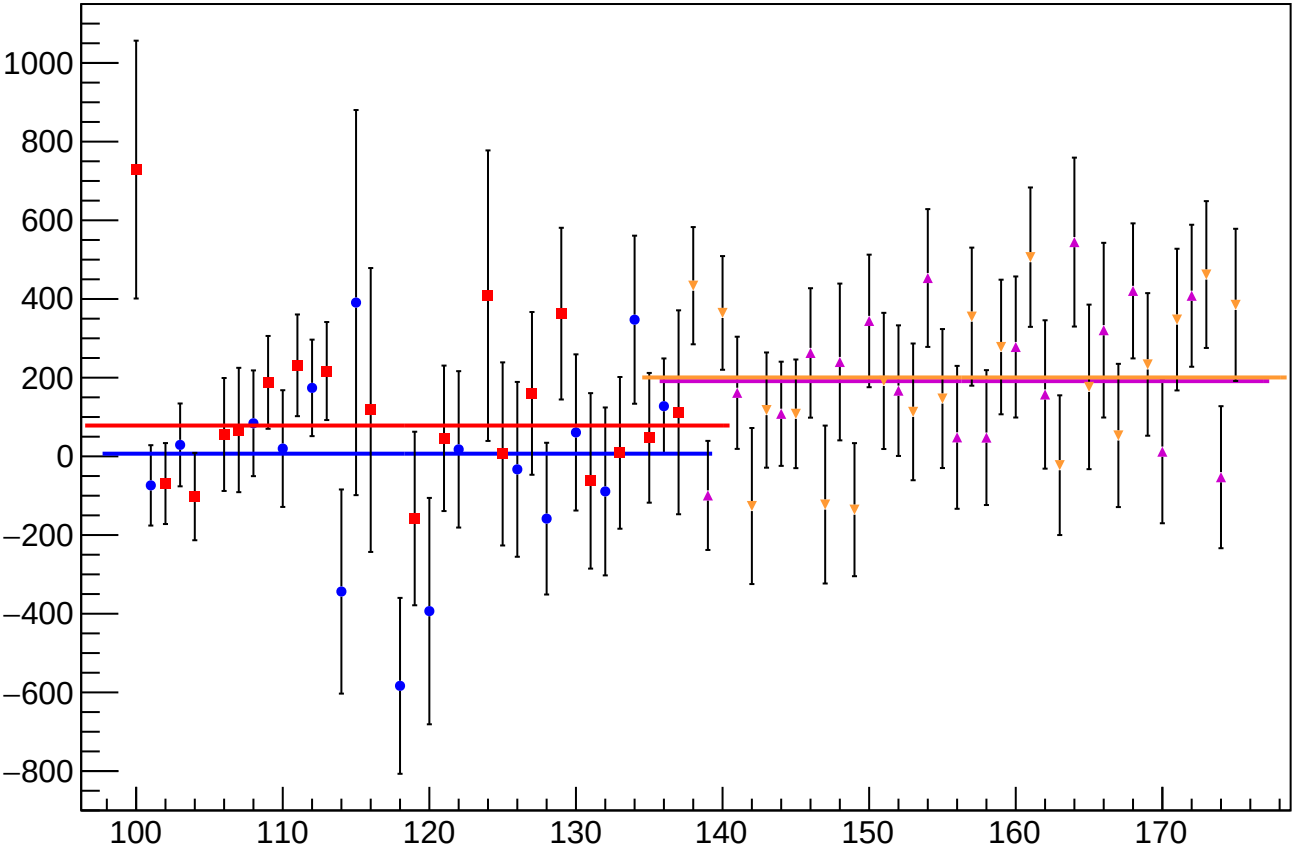
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 863.488+/-0.135 χ^2/NDF:2846027.9/33

Out: 838.566+/-0.128 χ^2/NDF:3263653.2/38

All: 850.388+/-0.093 χ^2/NDF: 6127680.3/72

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.535+/-38.469 χ^2/NDF:23.9/19

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 191.209+/-40.304 χ^2/NDF:18.8/17

Left: 196.089+/-27.828 χ^2/NDF: 42.8/37

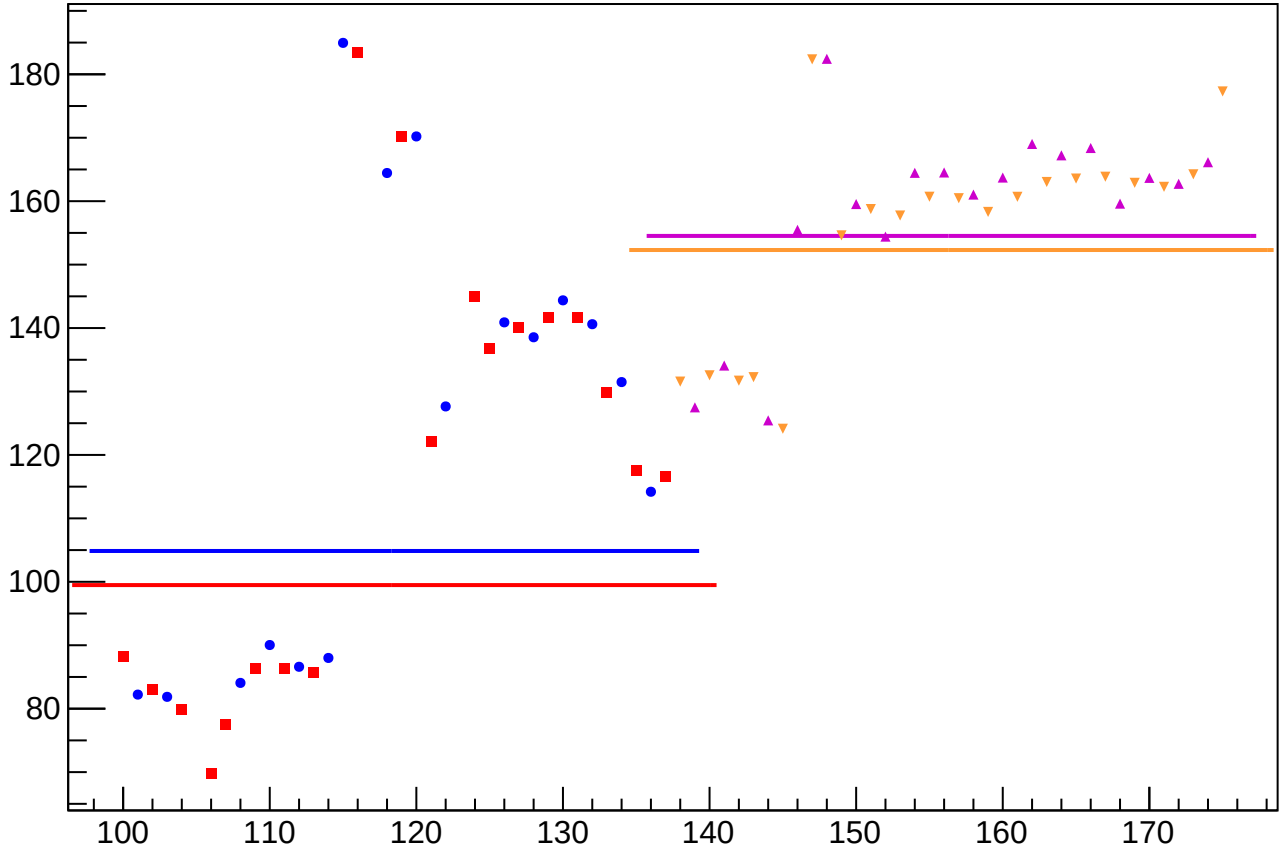
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.116+/-28.517 χ^2/NDF:48.1/33

Out: 138.545+/-27.001 χ^2/NDF:45.7/38

All: 119.906+/-19.607 χ^2/NDF: 94.8/72

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

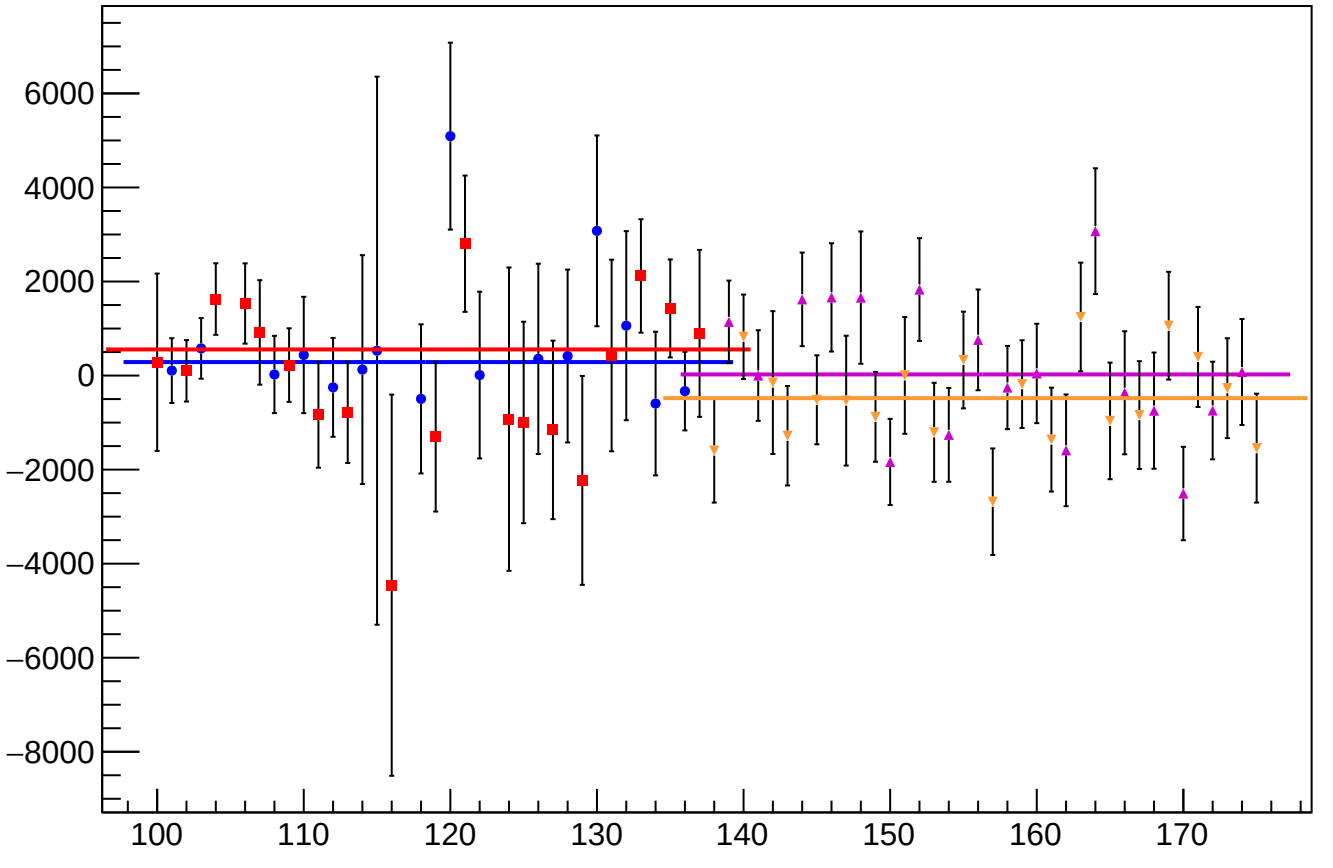
Left: 153.361+/-0.020 χ^2/NDF: 684239.9/37

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 129.722+/-0.020 χ^2/NDF:2769005.7/33

Out: 125.505+/-0.019 χ^2/NDF:3313910.9/38

All: 127.499+/-0.014 χ^2/NDF: 6105975.2/72



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 24.222+/-250.339 χ^2/NDF:31.2/17

Left: -234.417+/-174.708 χ^2/NDF: 48.8/37

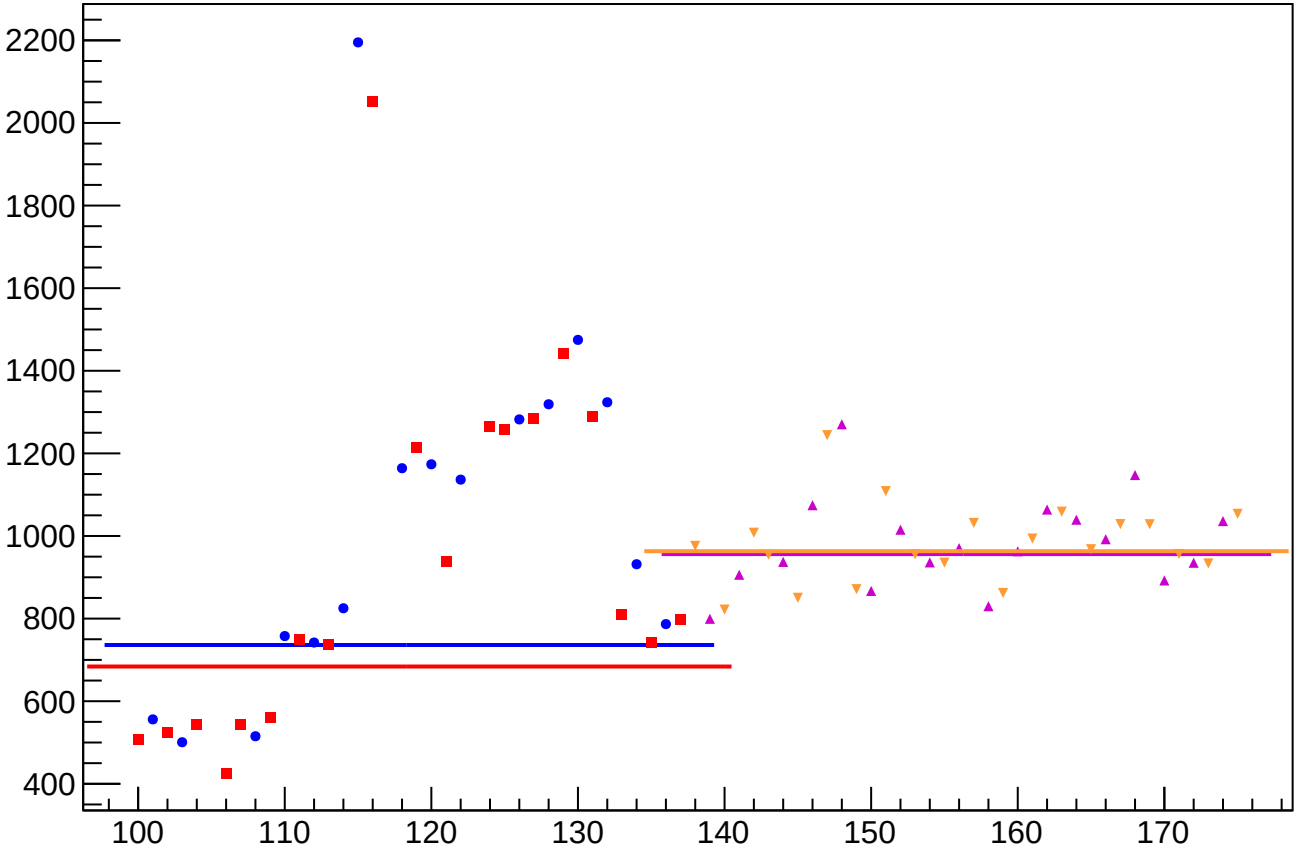
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 134.863+/-190.459 χ^2/NDF:41.4/33

Out: -14.569+/-180.989 χ^2/NDF:41.7/38

All: 56.340+/-131.199 χ^2/NDF: 83.4/72

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

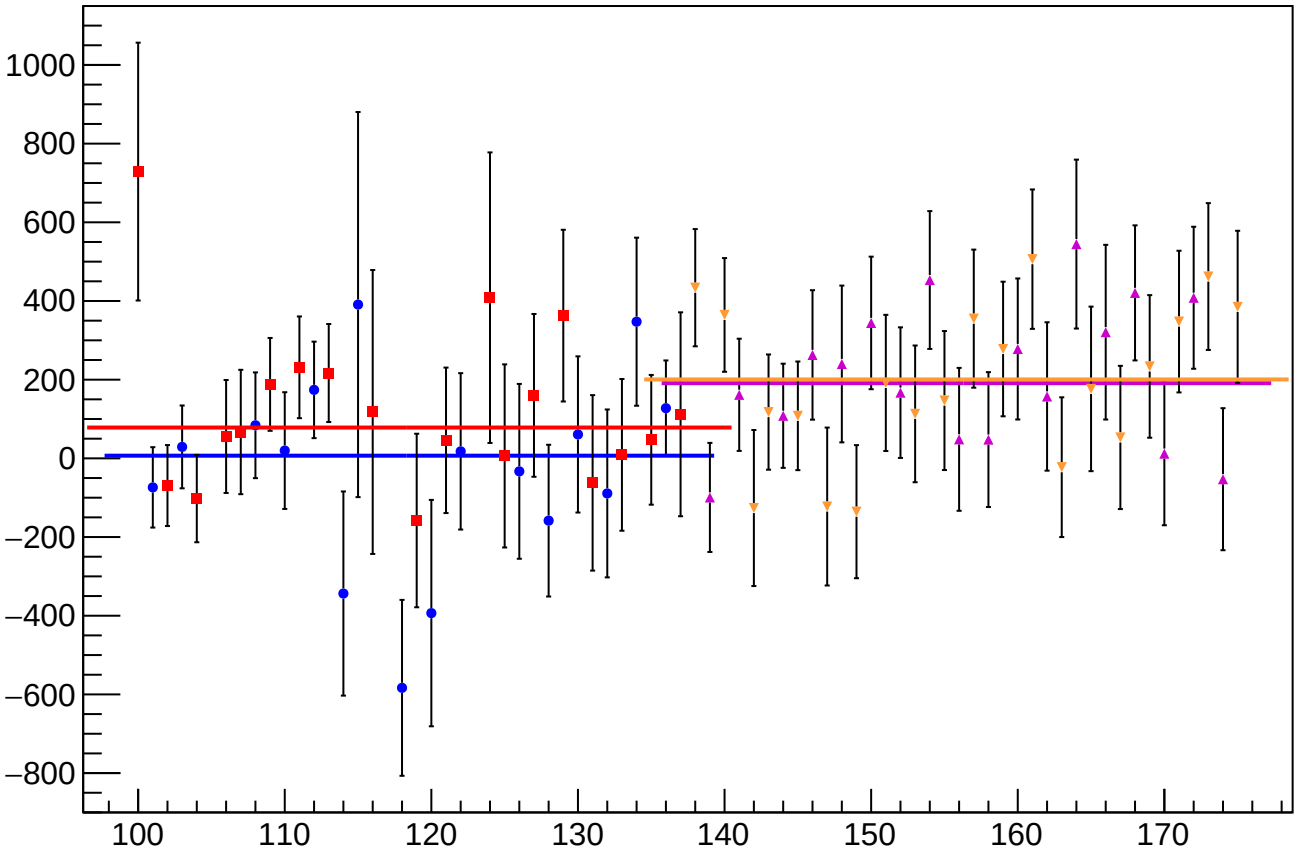
Left: 959.796+/-0.124 χ^2/NDF: 634635.1/37

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 863.488+/-0.135 χ^2/NDF:2846036.0/33

Out: 837.701+/-0.128 χ^2/NDF:3311921.2/38

All: 849.937+/-0.093 χ^2/NDF: 6177222.4/72



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.535+/-38.469 χ^2/NDF:23.9/19

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 191.209+/-40.304 χ^2/NDF:18.8/17

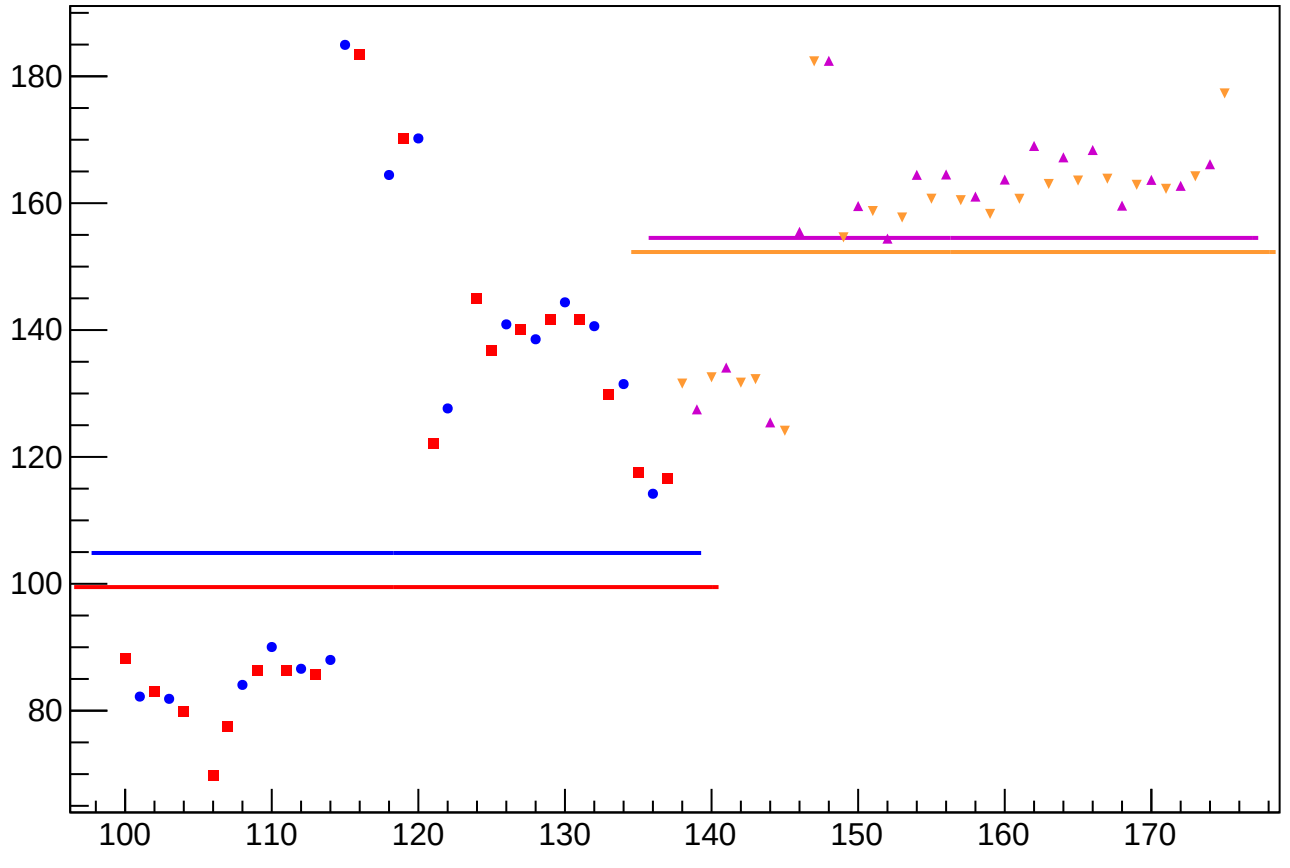
Left: 196.089+/-27.828 χ^2/NDF: 42.8/37

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.116+/-28.517 χ^2/NDF:48.1/33

Out: 138.545+/-27.001 χ^2/NDF:45.7/38

All: 119.906+/-19.607 χ^2/NDF: 94.8/72



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

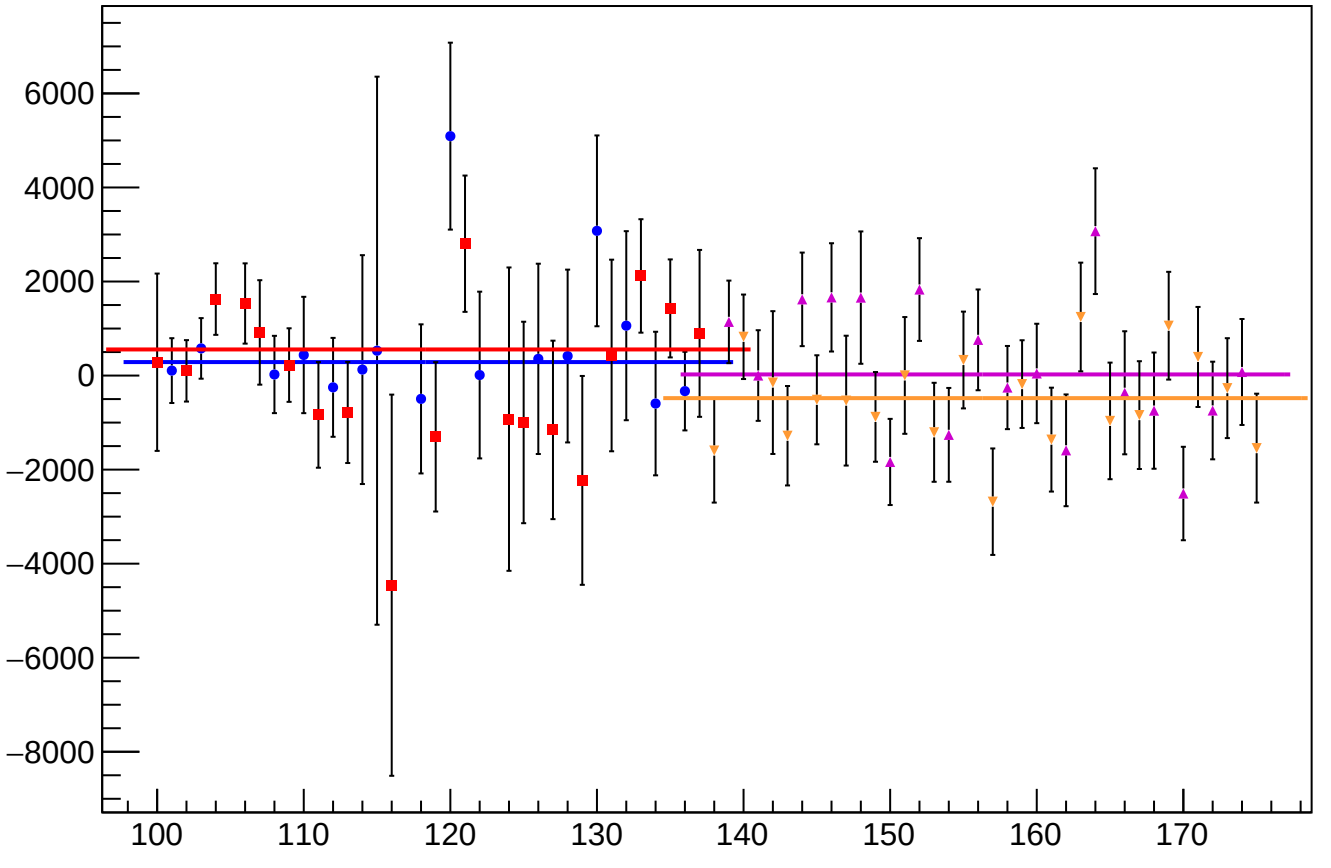
Left: 153.361+/-0.020 χ^2/NDF: 684239.9/37

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 129.722+/-0.020 χ^2/NDF:2769005.7/33

Out: 125.505+/-0.019 χ^2/NDF:3313910.9/38

All: 127.499+/-0.014 χ^2/NDF: 6105975.2/72



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 24.222+/-250.339 χ^2/NDF:31.2/17

Left: -234.417+/-174.708 χ^2/NDF: 48.8/37

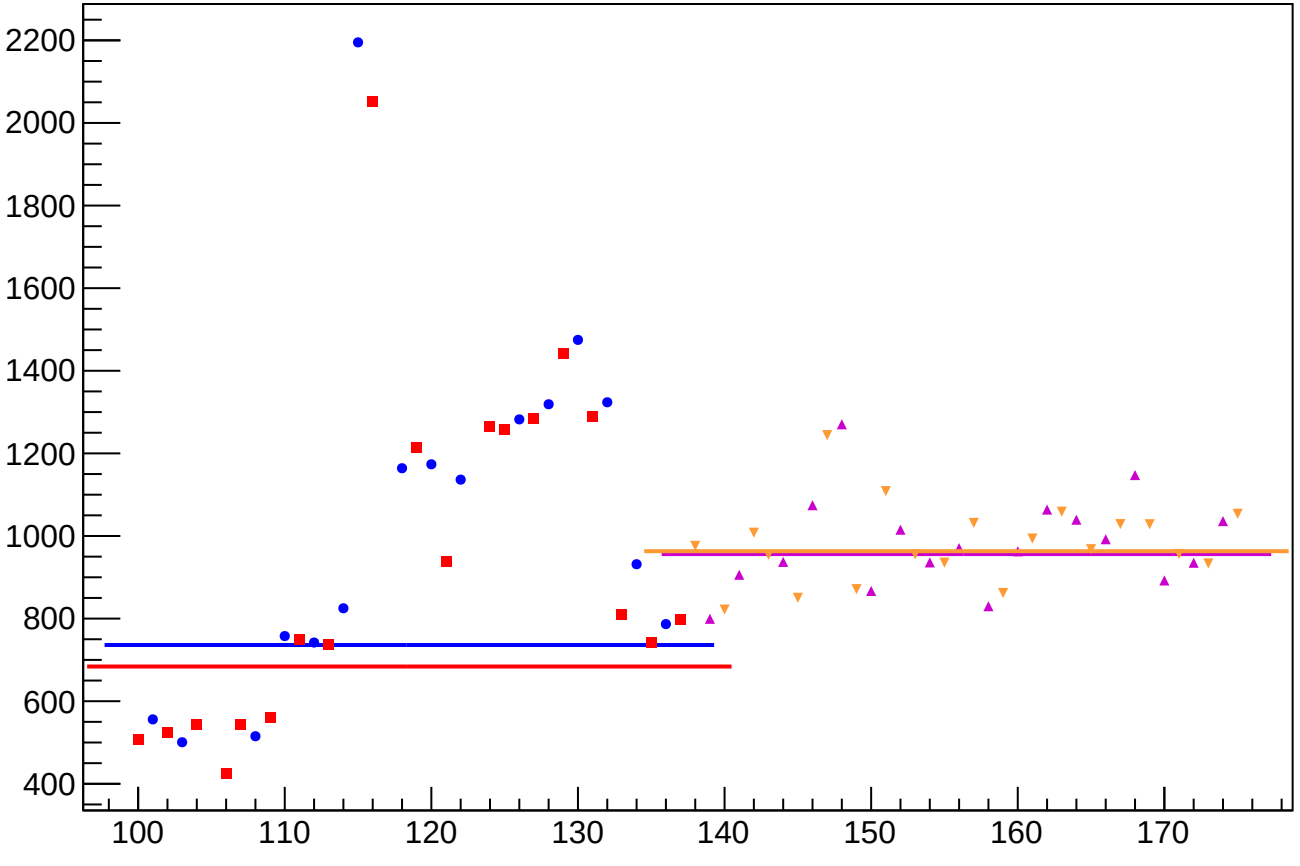
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 134.863+/-190.459 χ^2/NDF:41.4/33

Out: -14.569+/-180.989 χ^2/NDF:41.7/38

All: 56.340+/-131.199 χ^2/NDF: 83.4/72

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

Left: 959.796+/-0.124 χ^2/NDF: 634635.1/37

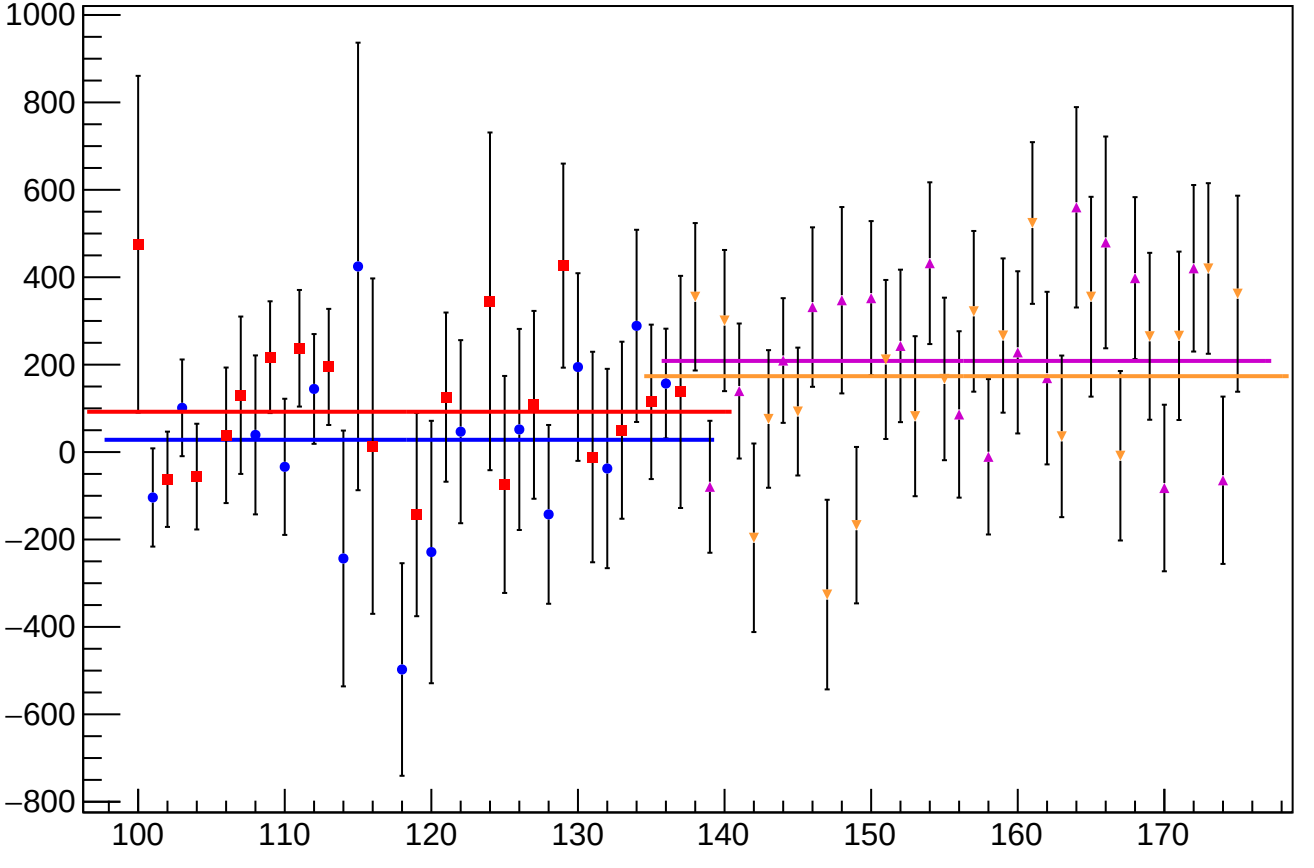
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 863.488+/-0.135 χ^2/NDF:2846036.0/33

Out: 837.701+/-0.128 χ^2/NDF:3311921.2/38

All: 849.937+/-0.093 χ^2/NDF: 6177222.4/72

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 208.562+/-42.922 χ^2/NDF:19.1/17

Left: 190.378+/-29.712 χ^2/NDF: 43.5/37

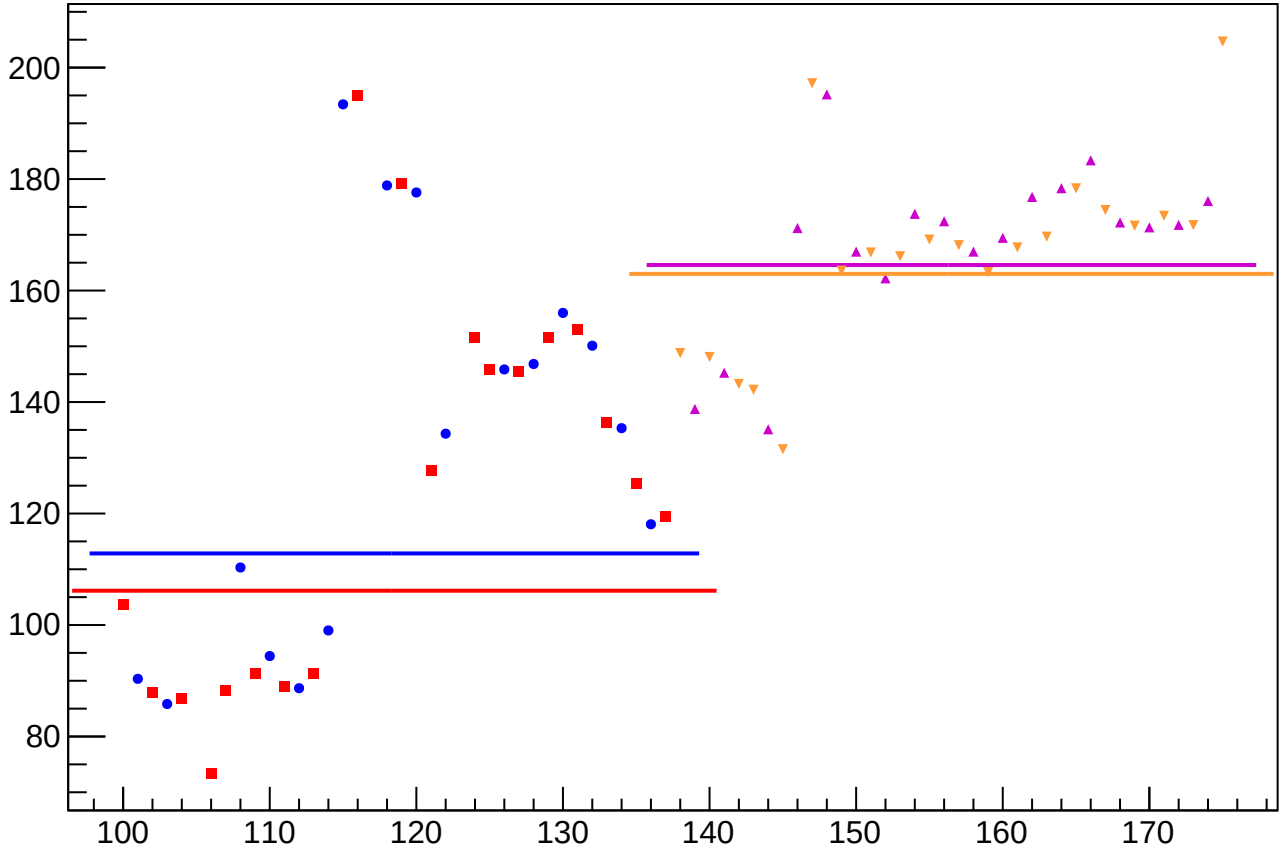
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 119.407+/-30.532 χ^2/NDF:41.4/33

Out: 132.318+/-28.886 χ^2/NDF:37.7/38

All: 126.220+/-20.983 χ^2/NDF: 79.2/72

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.5/19

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 164.581+/-0.030 χ^2/NDF:272715.0/17

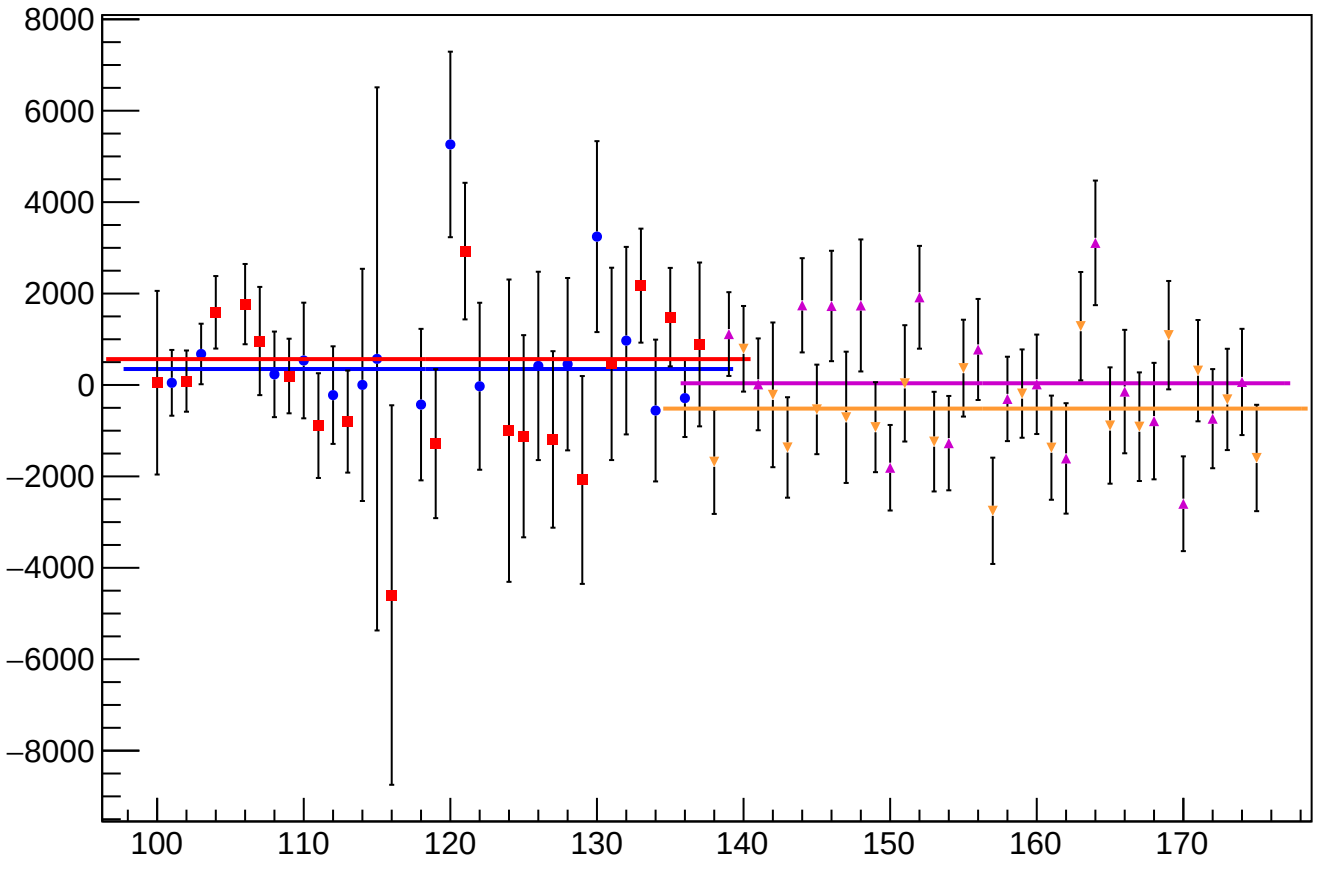
Left: 163.753+/-0.021 χ^2/NDF: 607423.0/37

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 139.021+/-0.022 χ^2/NDF:2580527.8/33

Out: 134.136+/-0.020 χ^2/NDF:3270508.1/38

All: 136.443+/-0.015 χ^2/NDF: 5878052.0/72



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 37.498+/-259.019 χ^2/NDF:30.7/17

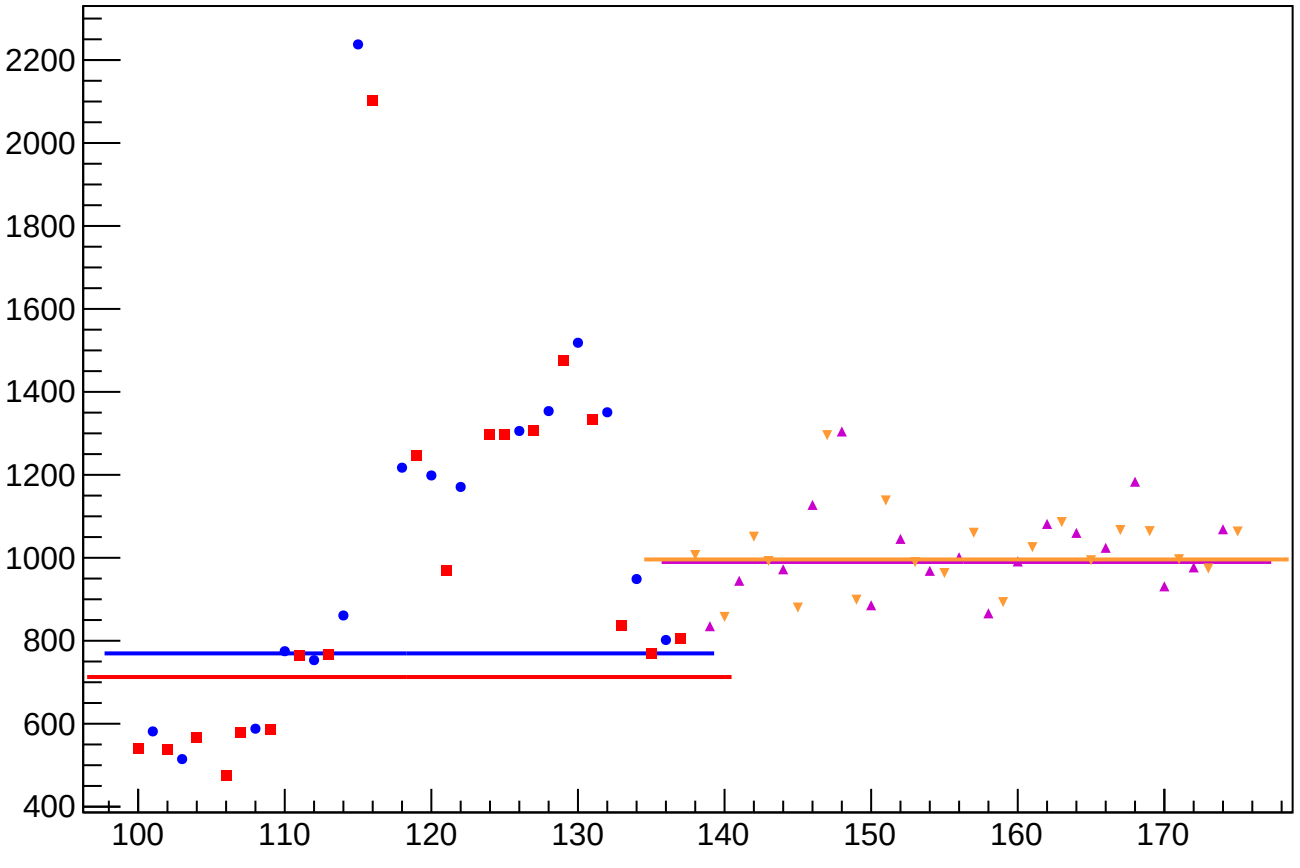
Left: -247.141+/-180.636 χ^2/NDF: 48.4/37

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 167.905+/-197.519 χ^2/NDF:41.1/33

Out: -30.554+/-187.092 χ^2/NDF:41.9/38

All: 63.299+/-135.831 χ^2/NDF: 83.6/72



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 996.066+/-0.178 χ^2/NDF:270779.9/19

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 990.036+/-0.183 χ^2/NDF:329578.7/17

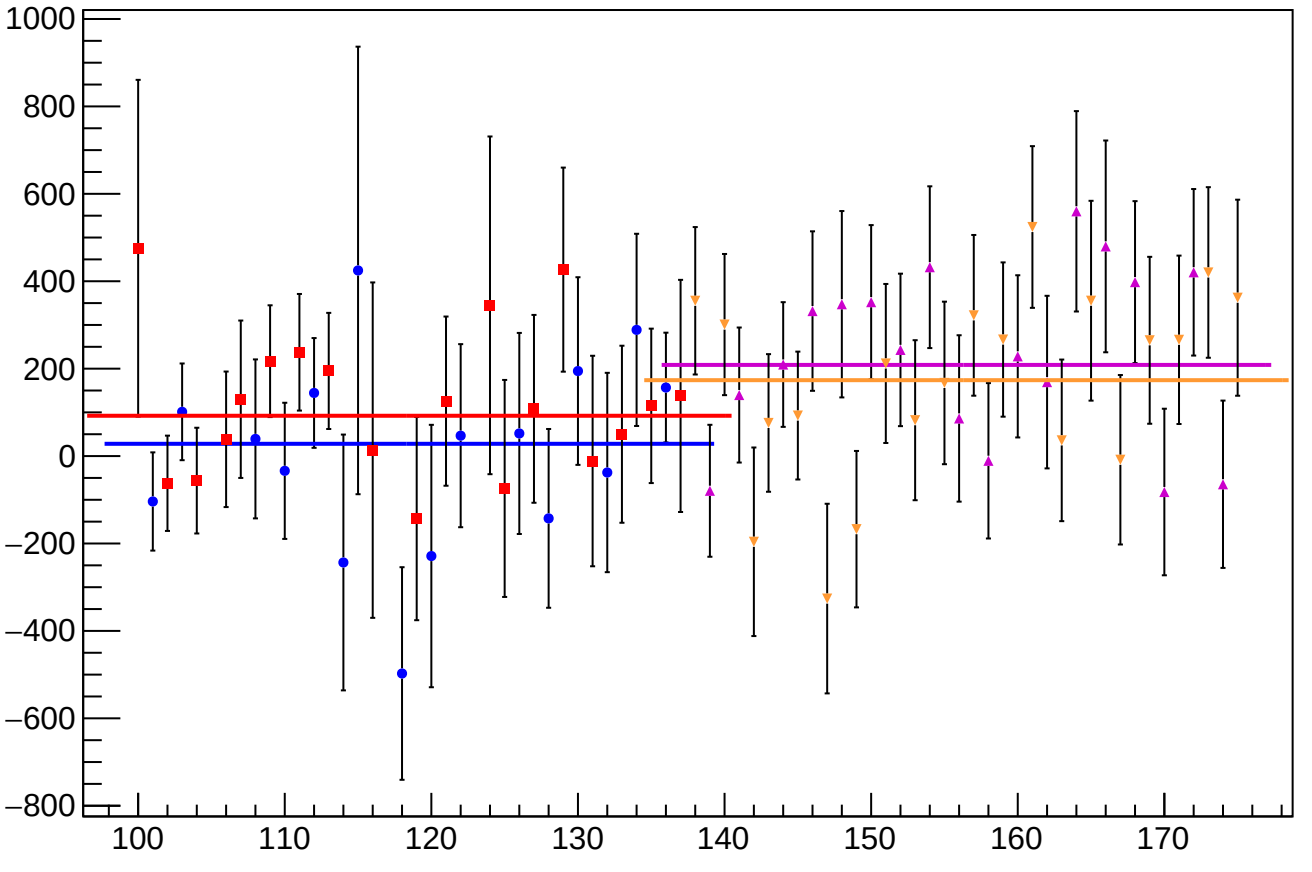
Left: 993.134+/-0.128 χ^2/NDF: 600915.4/37

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 897.768+/-0.140 χ^2/NDF:2675955.4/33

Out: 868.809+/-0.132 χ^2/NDF:3173610.0/38

All: 882.504+/-0.096 χ^2/NDF: 5872225.0/72



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 208.563+/-42.922 χ^2/NDF:19.1/17

Left: 190.378+/-29.712 χ^2/NDF: 43.5/37

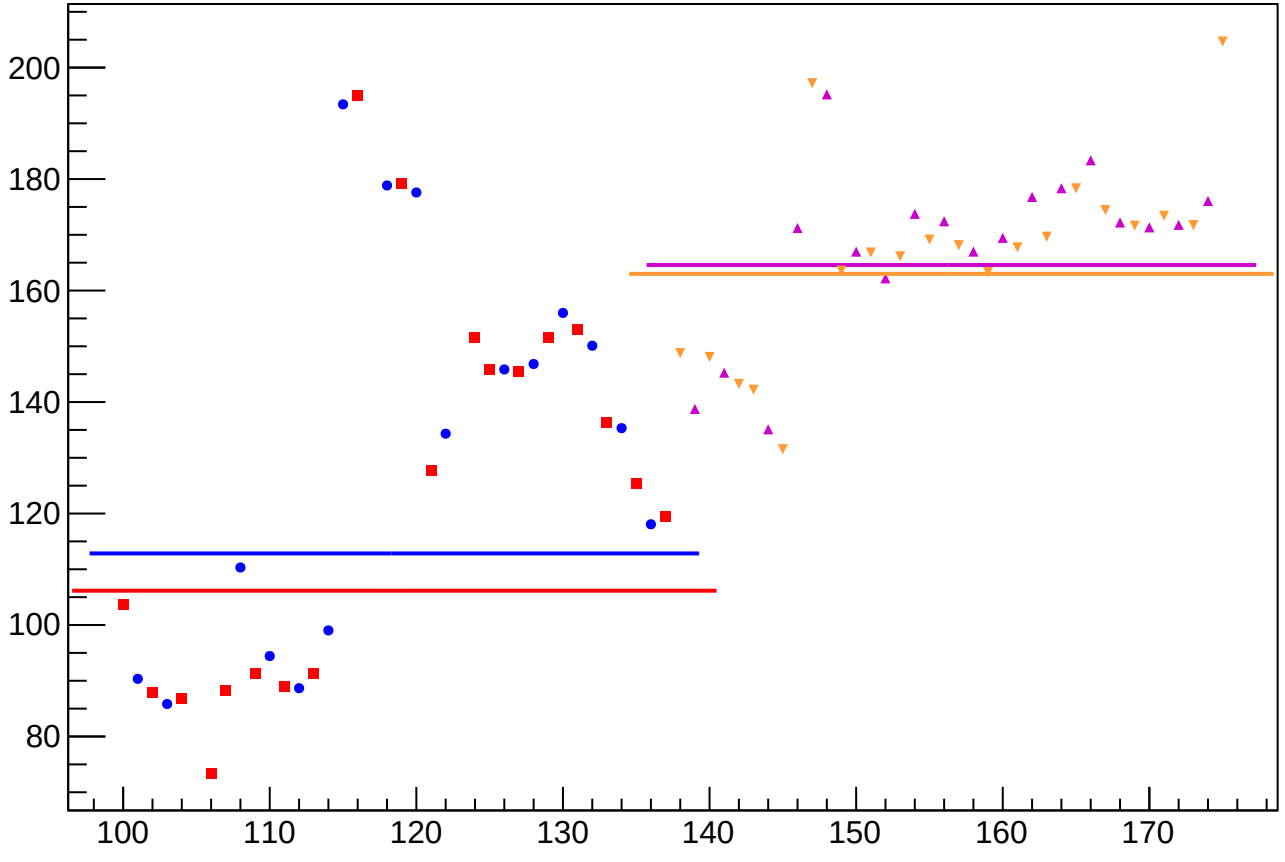
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 119.407+/-30.532 χ^2/NDF:41.4/33

Out: 132.319+/-28.886 χ^2/NDF:37.7/38

All: 126.220+/-20.983 χ^2/NDF: 79.2/72

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.1/19

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 164.581+/-0.030 χ^2/NDF:272710.0/17

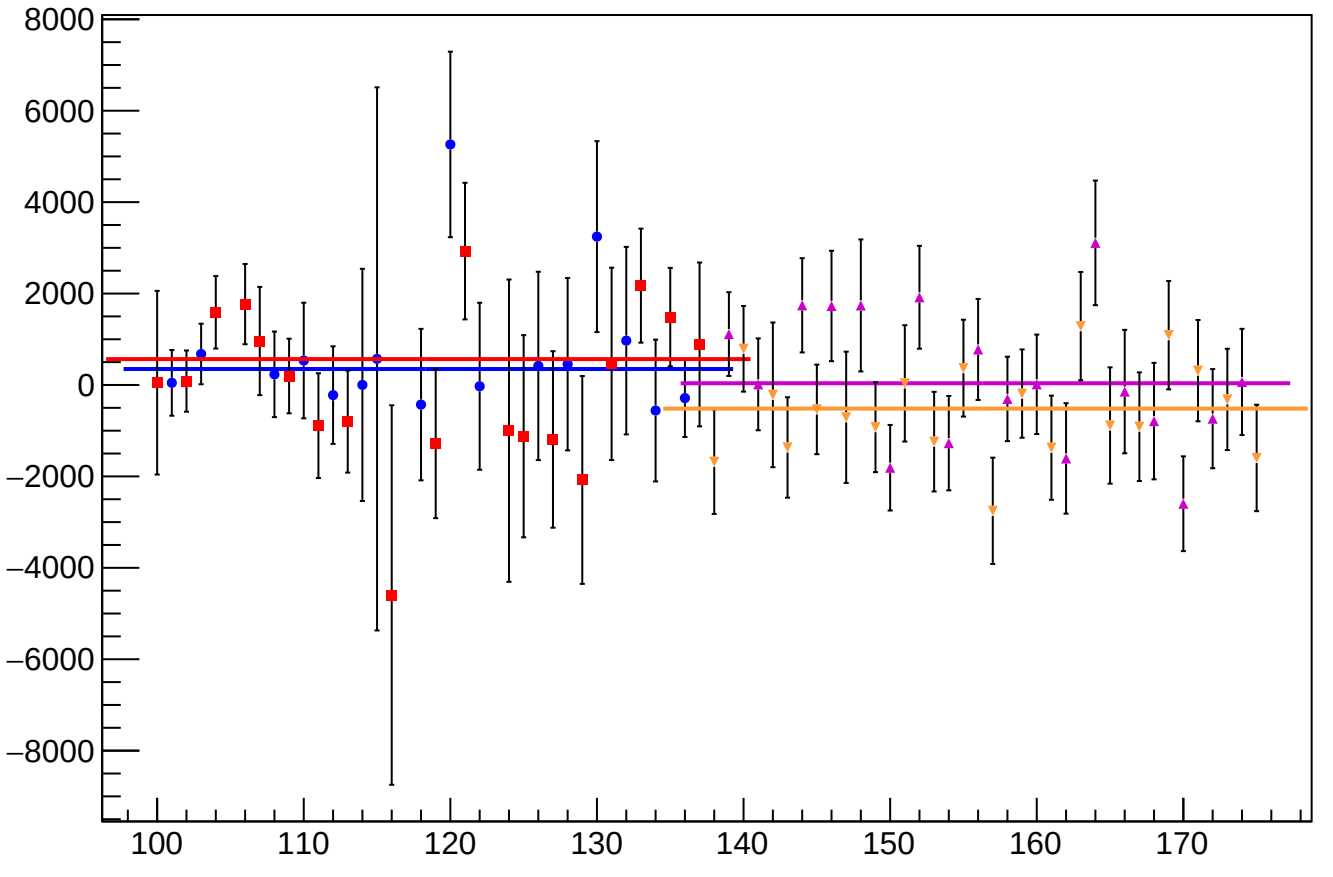
Left: 163.753+/-0.021 χ^2/NDF: 607418.0/37

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 139.021+/-0.022 χ^2/NDF:2580552.0/33

Out: 134.136+/-0.020 χ^2/NDF:3270525.3/38

All: 136.443+/-0.015 χ^2/NDF: 5878093.4/72



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 37.498+/-259.019 χ^2/NDF:30.7/17

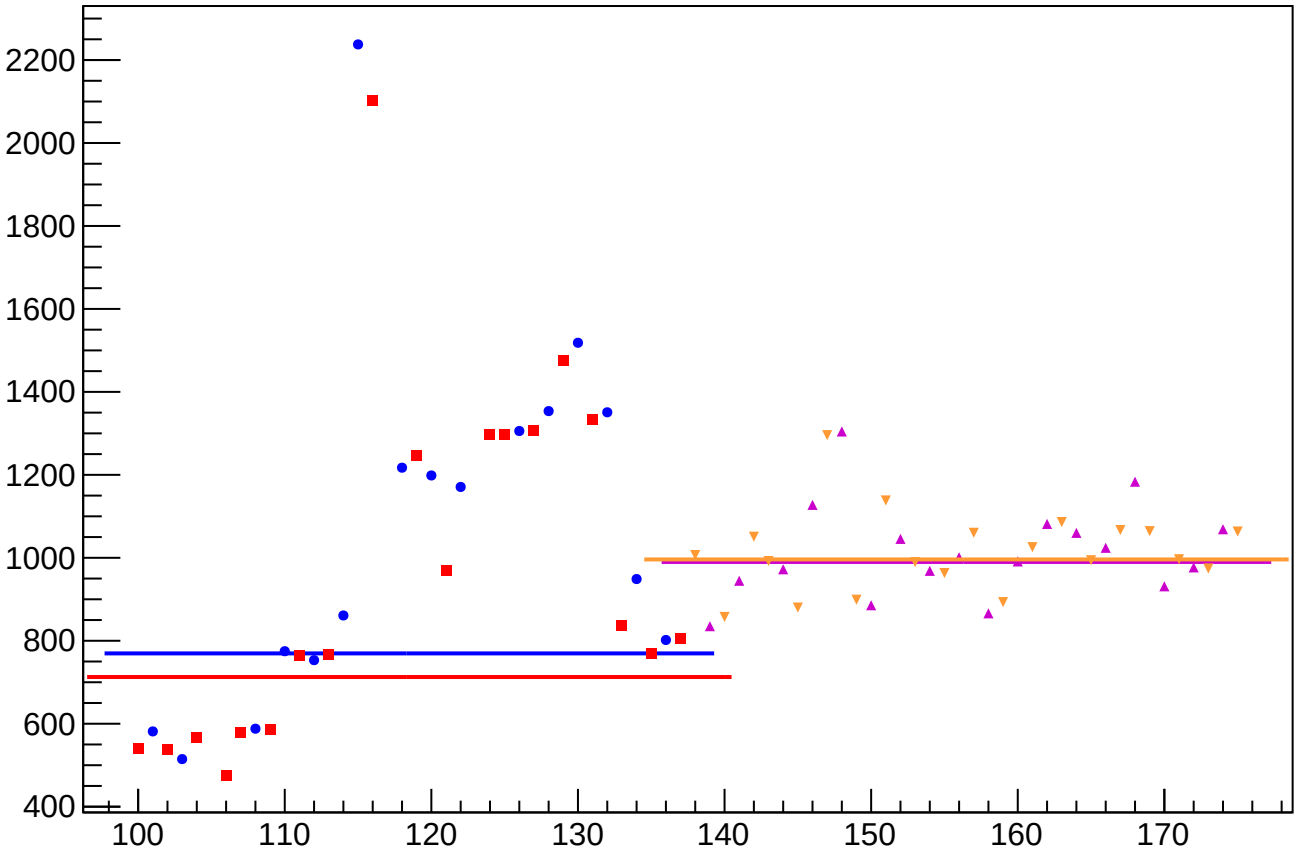
Left: -247.141+/-180.637 χ^2/NDF: 48.4/37

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 167.905+/-197.519 χ^2/NDF:41.1/33

Out: -30.552+/-187.092 χ^2/NDF:41.9/38

All: 63.300+/-135.831 χ^2/NDF: 83.6/72



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 996.068+/-0.178 χ^2/NDF:270778.9/19

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 990.038+/-0.183 χ^2/NDF:329578.2/17

Left: 993.135+/-0.128 χ^2/NDF: 600913.8/37

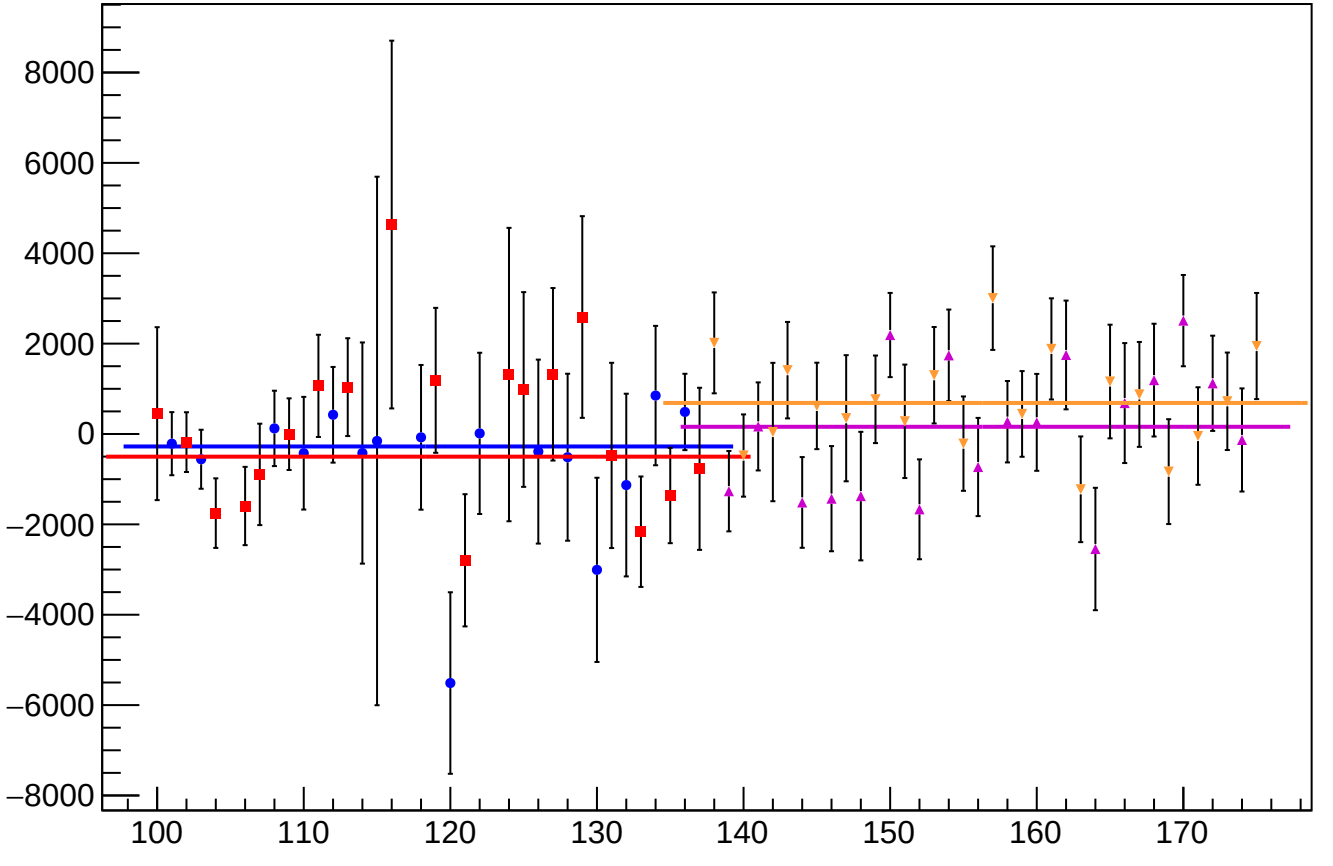
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 897.768+/-0.140 χ^2/NDF:2675967.1/33

Out: 868.809+/-0.132 χ^2/NDF:3173623.0/38

All: 882.504+/-0.096 χ^2/NDF: 5872250.0/72

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.935+/-247.123 χ^2/NDF:16.4/19

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 159.284+/-253.770 χ^2/NDF:31.9/17

Left: 430.111+/-177.046 χ^2/NDF: 50.5/37

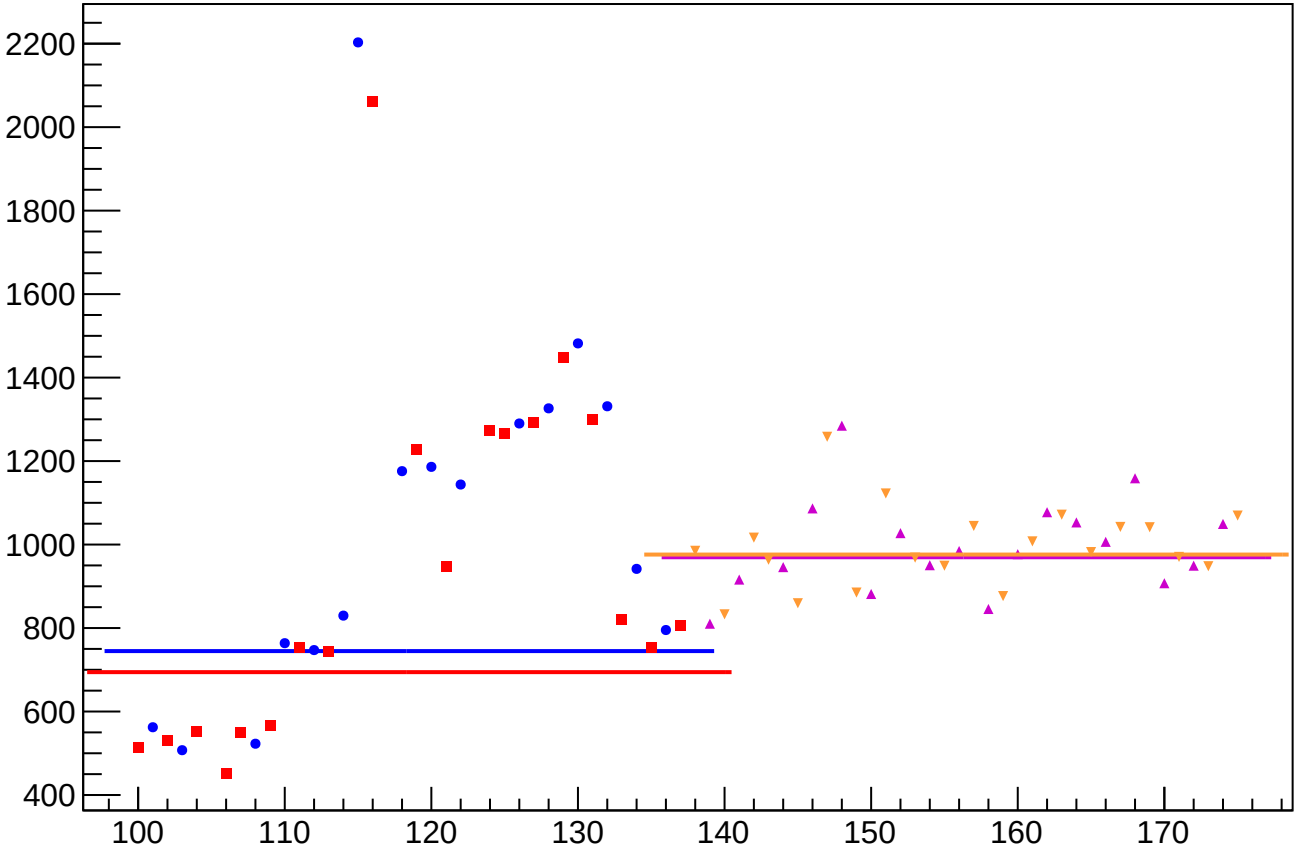
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -24.694+/-192.854 χ^2/NDF:44.2/33

Out: 151.460+/-183.207 χ^2/NDF:47.3/38

All: 67.898+/-132.826 χ^2/NDF: 91.9/72

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 976.035+/-0.175 χ^2/NDF:280093.4/19

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 969.578+/-0.179 χ^2/NDF:341305.5/17

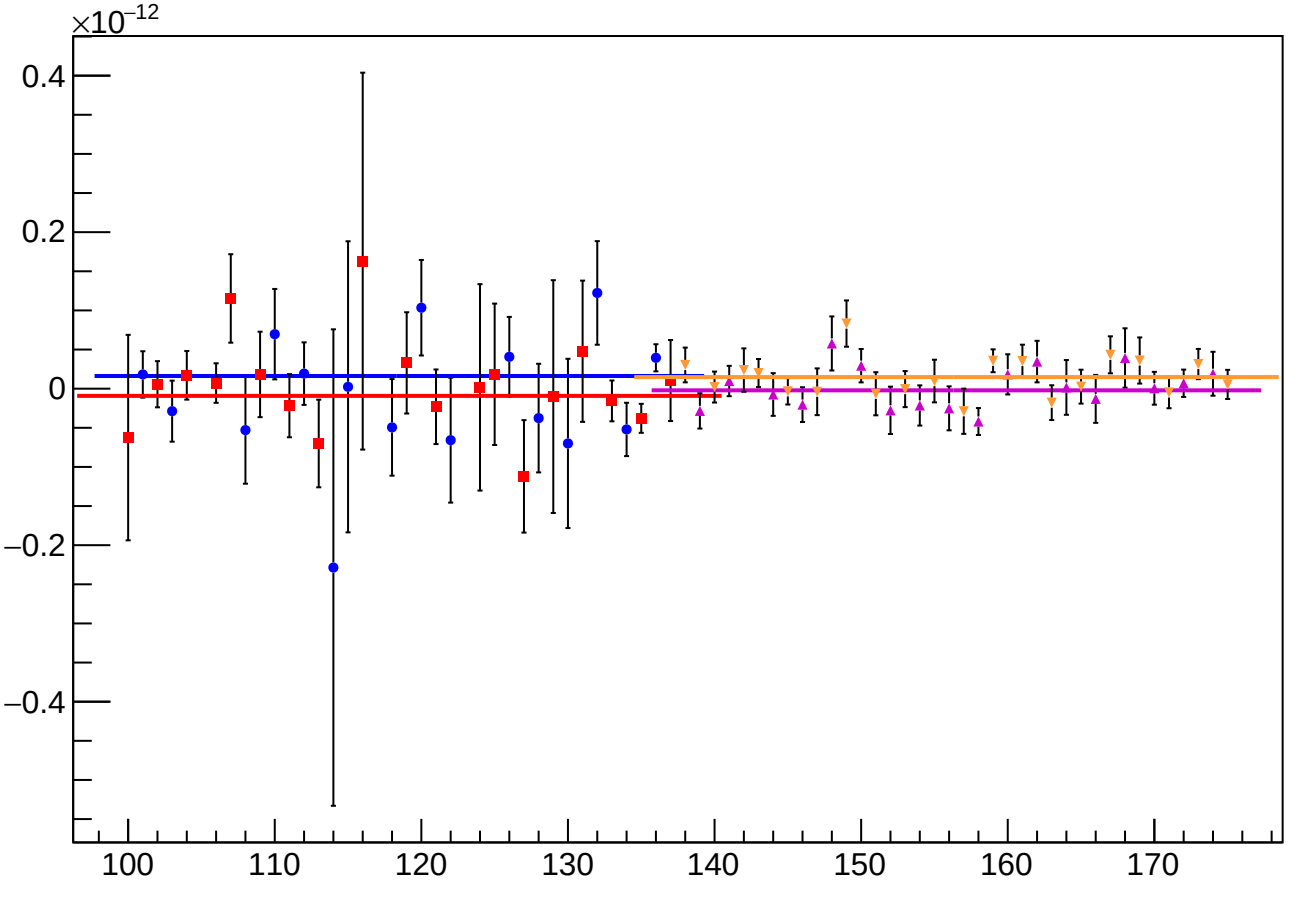
Left: 972.892+/-0.125 χ^2/NDF: 622063.3/37

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 874.609+/-0.136 χ^2/NDF:2826868.9/33

Out: 849.166+/-0.130 χ^2/NDF:3254203.4/38

All: 861.235+/-0.094 χ^2/NDF: 6099369.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/17

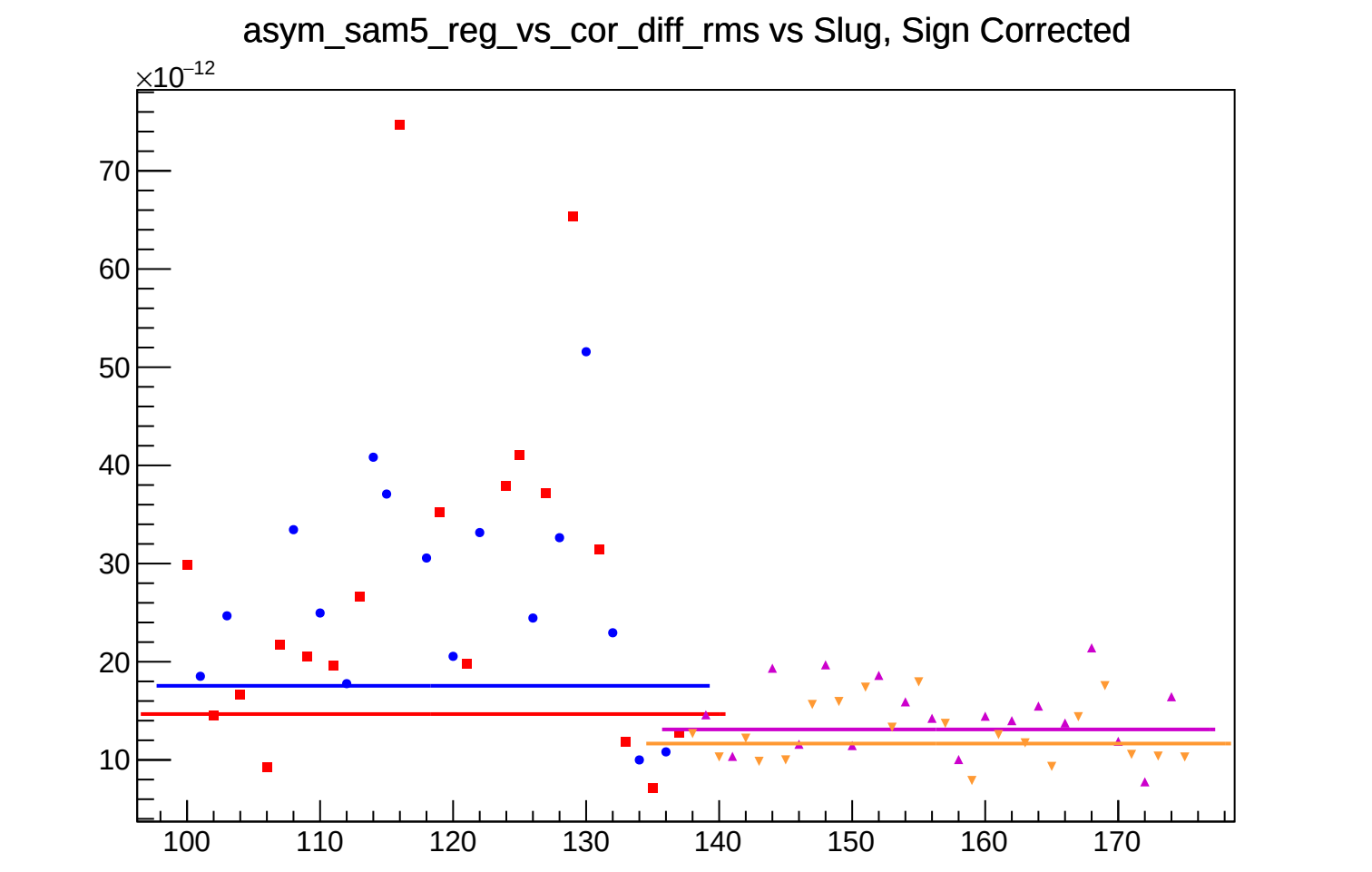
Left: 0.000+/-0.000 χ^2/NDF: 45.5/37

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:39.9/33

Out: 0.000+/-0.000 χ^2/NDF:40.0/38

All: 0.000+/-0.000 χ^2/NDF: 81.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:637585.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:739014.4/17

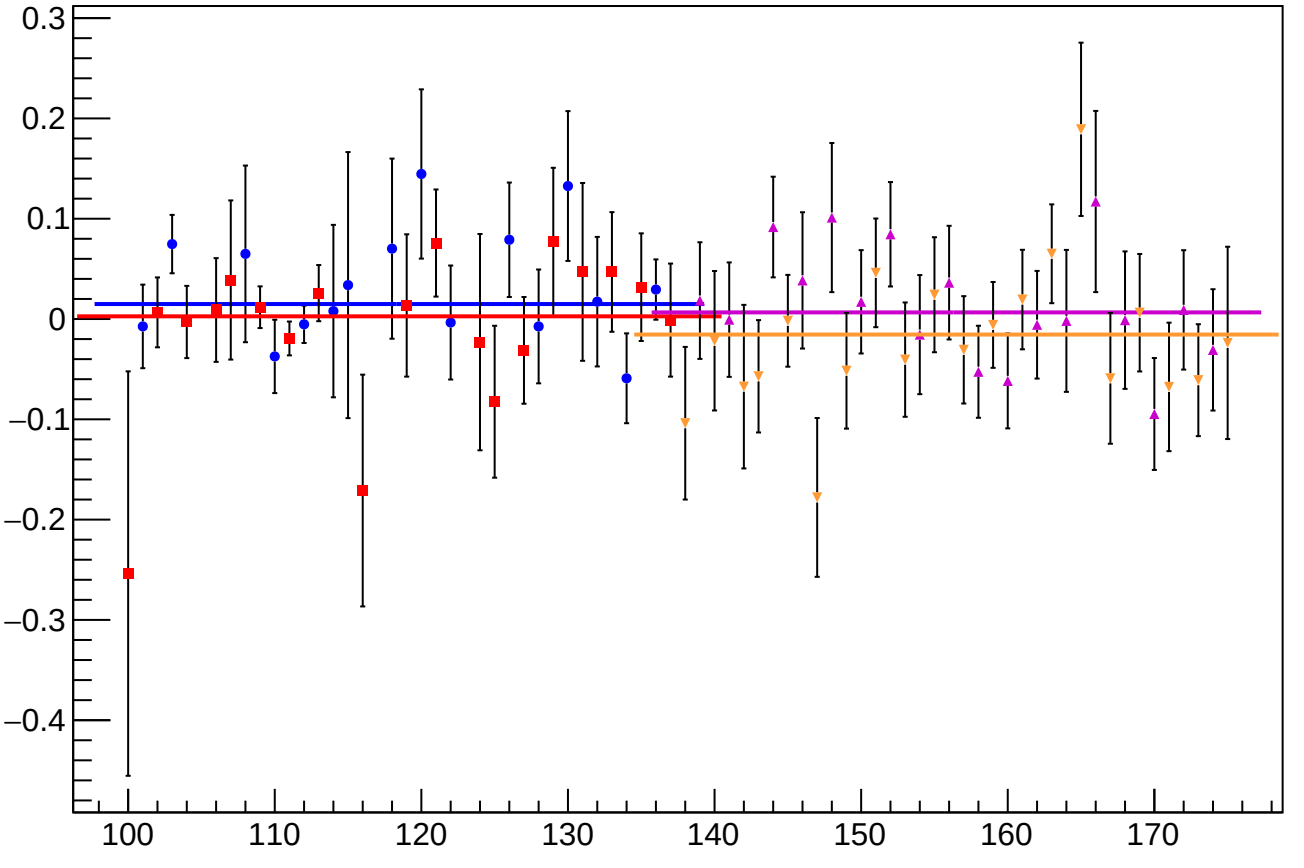
Left: 0.000+/-0.000 χ^2/NDF: 1450201.2/37

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:2164687.9/33

Out: 0.000+/-0.000 χ^2/NDF:2541501.3/38

All: 0.000+/-0.000 χ^2/NDF: 4852520.7/72



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

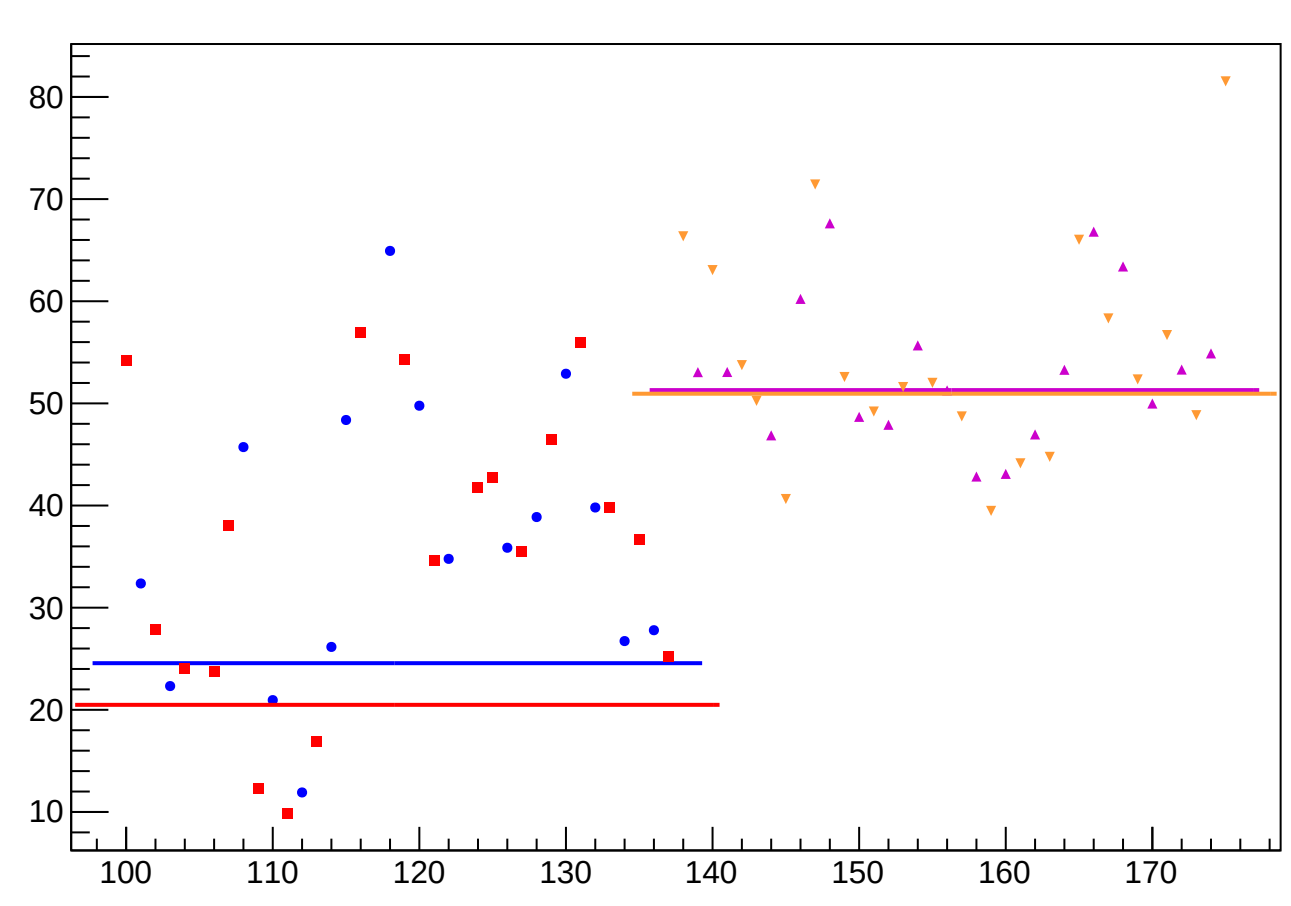
Left: -0.005+/-0.009 χ^2/NDF: 37.6/37

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.8/72



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

Left: 51.118+/-0.007 χ^2/NDF: 1361758.3/37

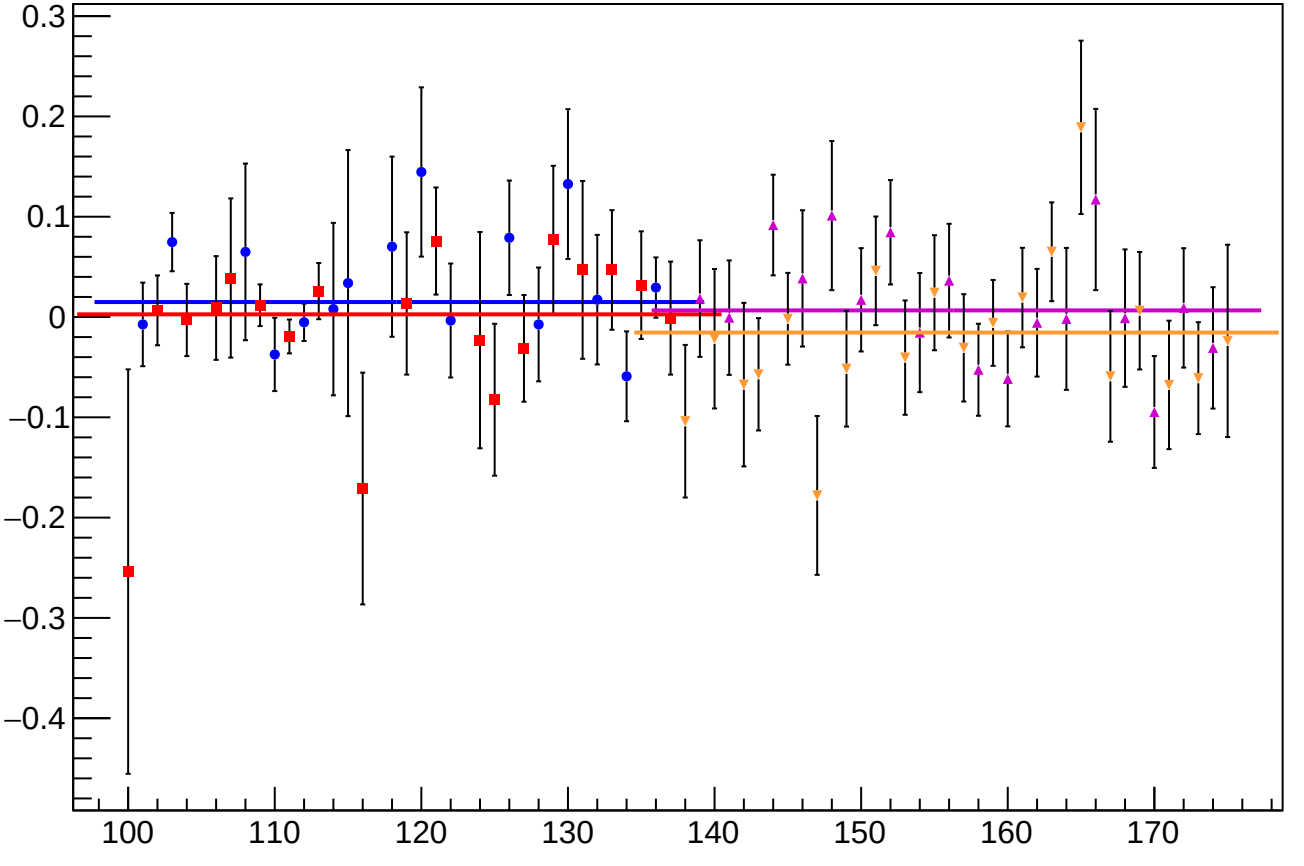
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.670+/-0.006 χ^2/NDF:7753797.7/33

Out: 30.539+/-0.005 χ^2/NDF:11688279.3/38

All: 32.397+/-0.004 χ^2/NDF: 19711350.3/72

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

Left: -0.005+/-0.009 χ^2/NDF: 37.6/37

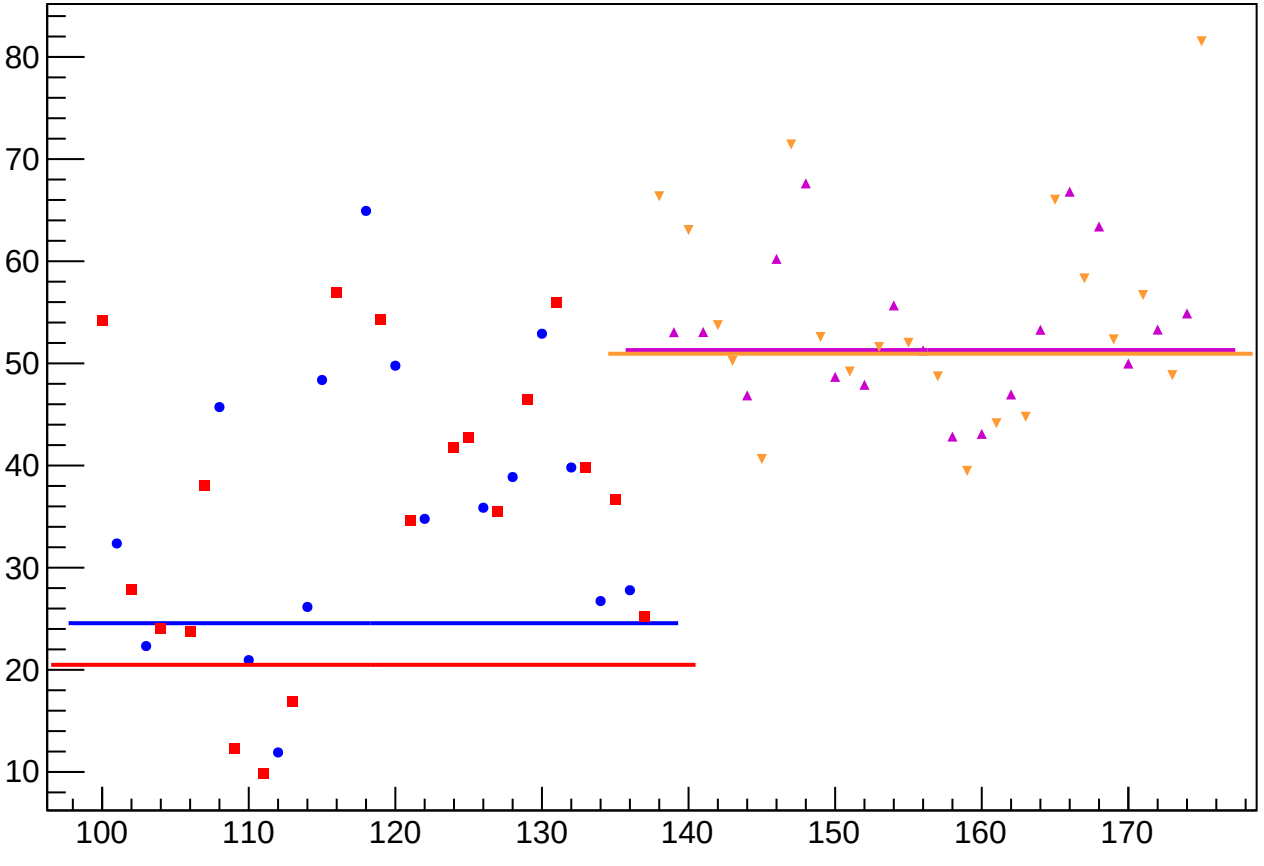
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.8/72

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

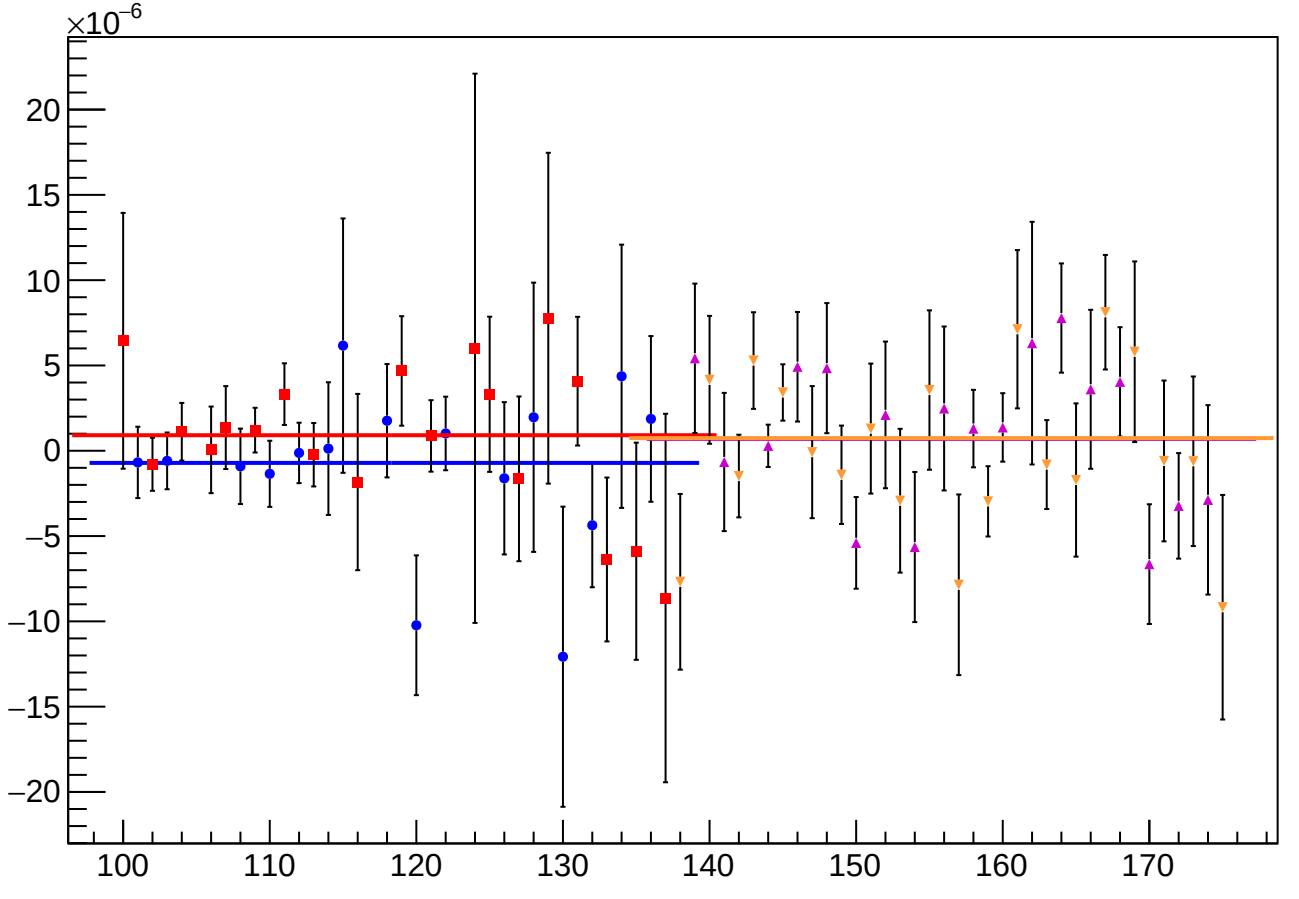
Left: 51.118+/-0.007 χ^2/NDF: 1361758.3/37

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.670+/-0.006 χ^2/NDF:7753797.7/33

Out: 30.539+/-0.005 χ^2/NDF:11688279.3/38

All: 32.397+/-0.004 χ^2/NDF: 19711350.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/17

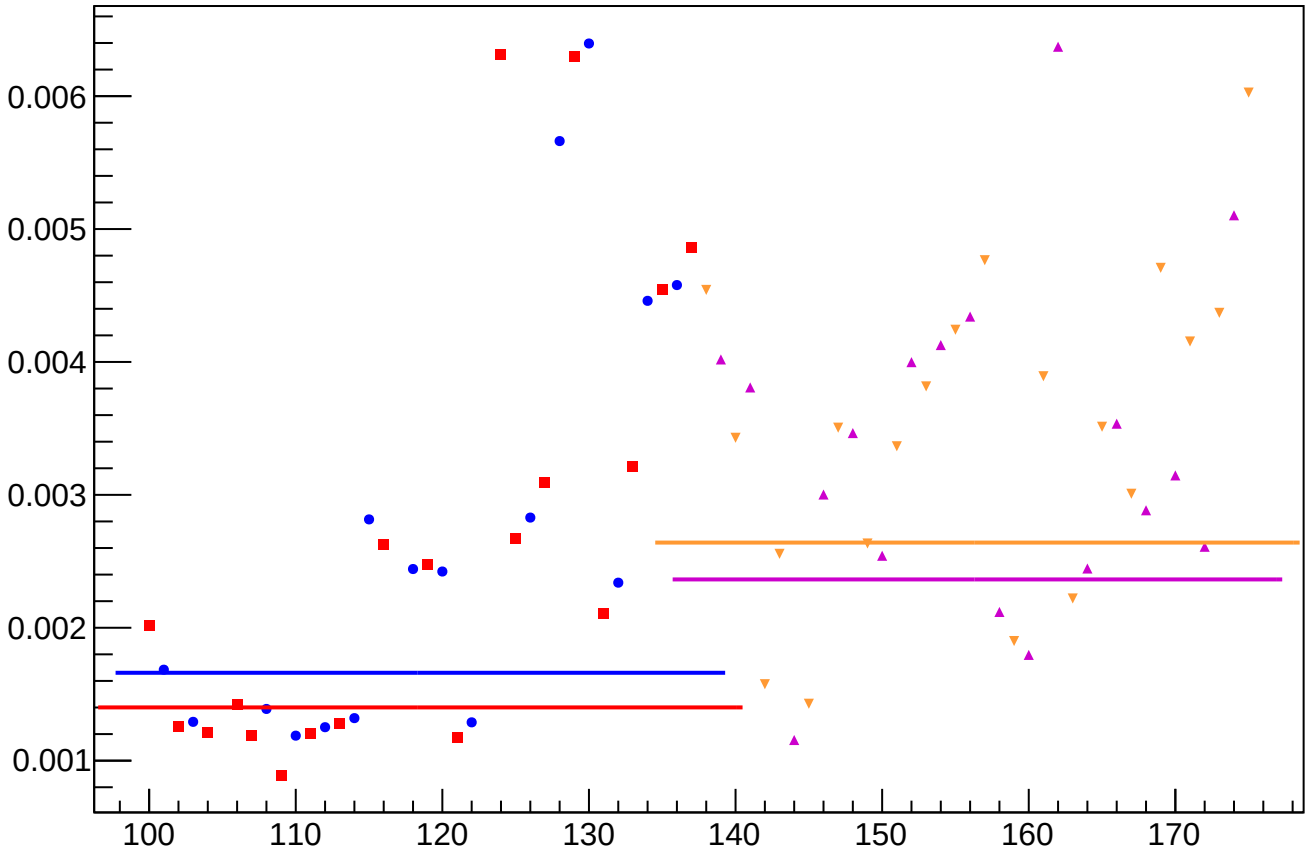
Left: 0.000+/-0.000 χ^2/NDF: 53.2/37

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:38.7/33

Out: 0.000+/-0.000 χ^2/NDF:39.8/38

All: 0.000+/-0.000 χ^2/NDF: 80.0/72



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:4551678.2/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:5235591.0/17

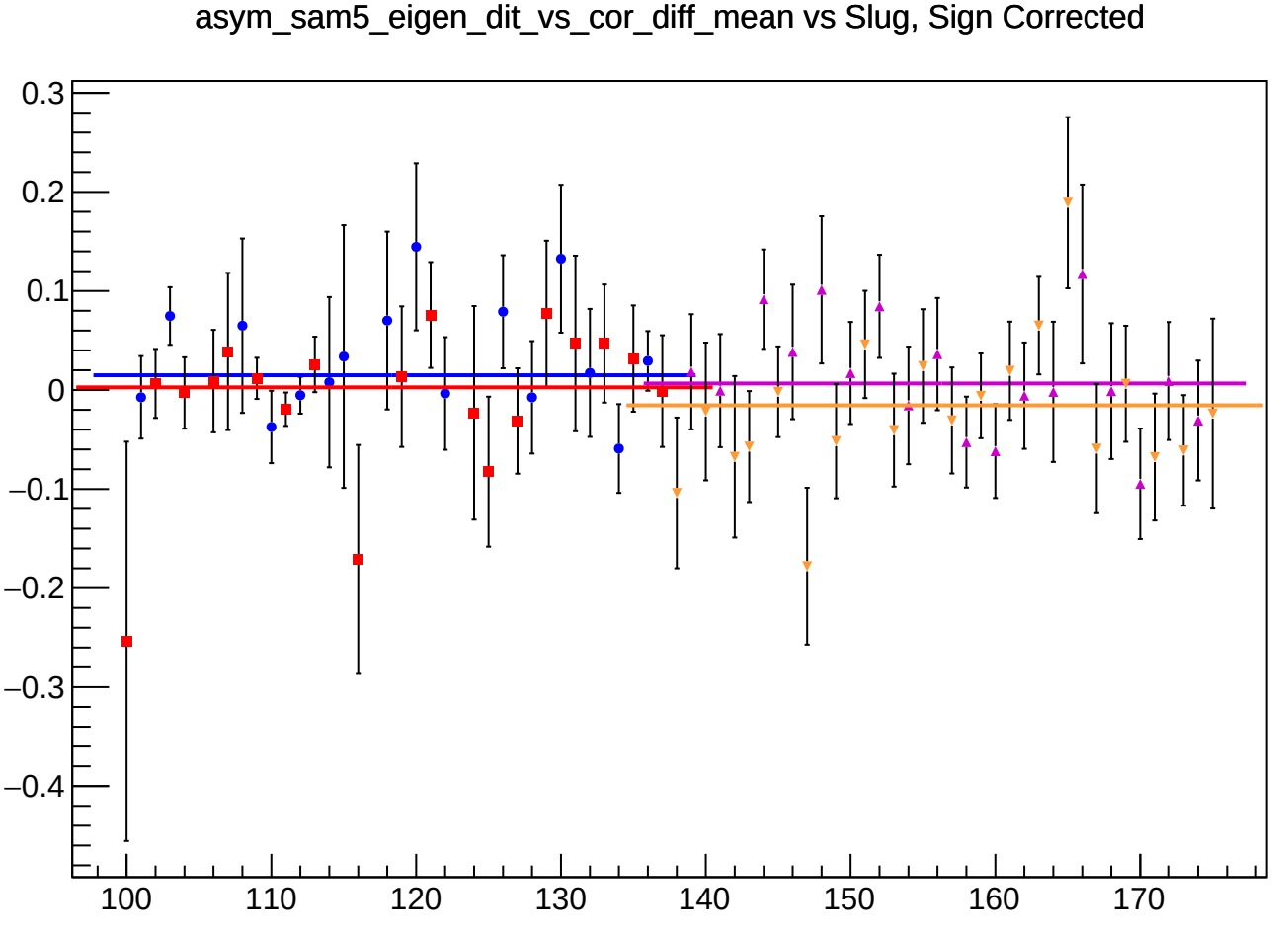
Left: 0.002+/-0.000 χ^2/NDF: 9940912.9/37

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:9208029.5/33

Out: 0.002+/-0.000 χ^2/NDF:10971383.3/38

All: 0.002+/-0.000 χ^2/NDF: 20257157.9/72



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

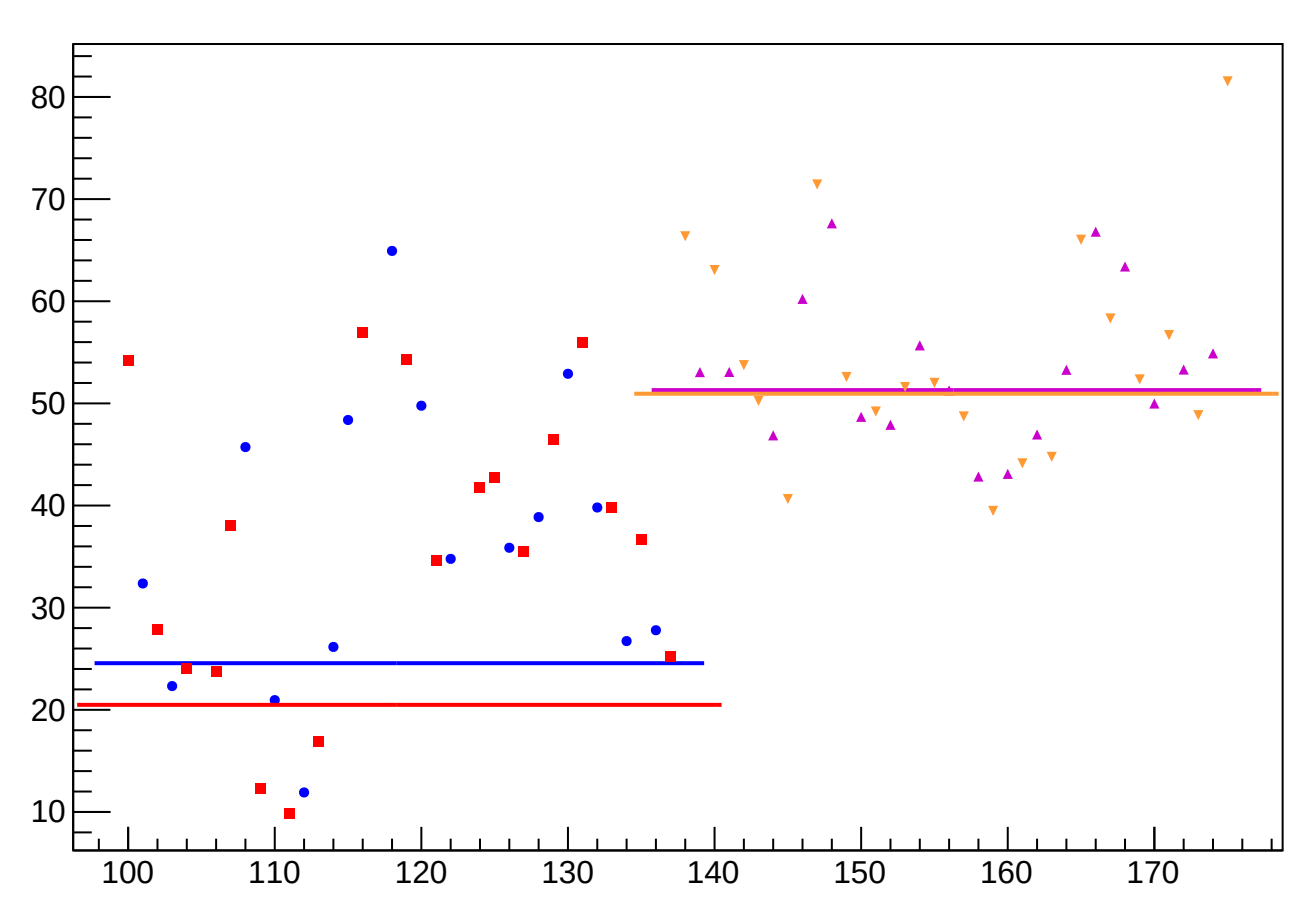
Left: -0.005+/-0.009 χ^2/NDF: 37.6/37

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.8/72



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

Left: 51.118+/-0.007 χ^2/NDF: 1361999.7/37

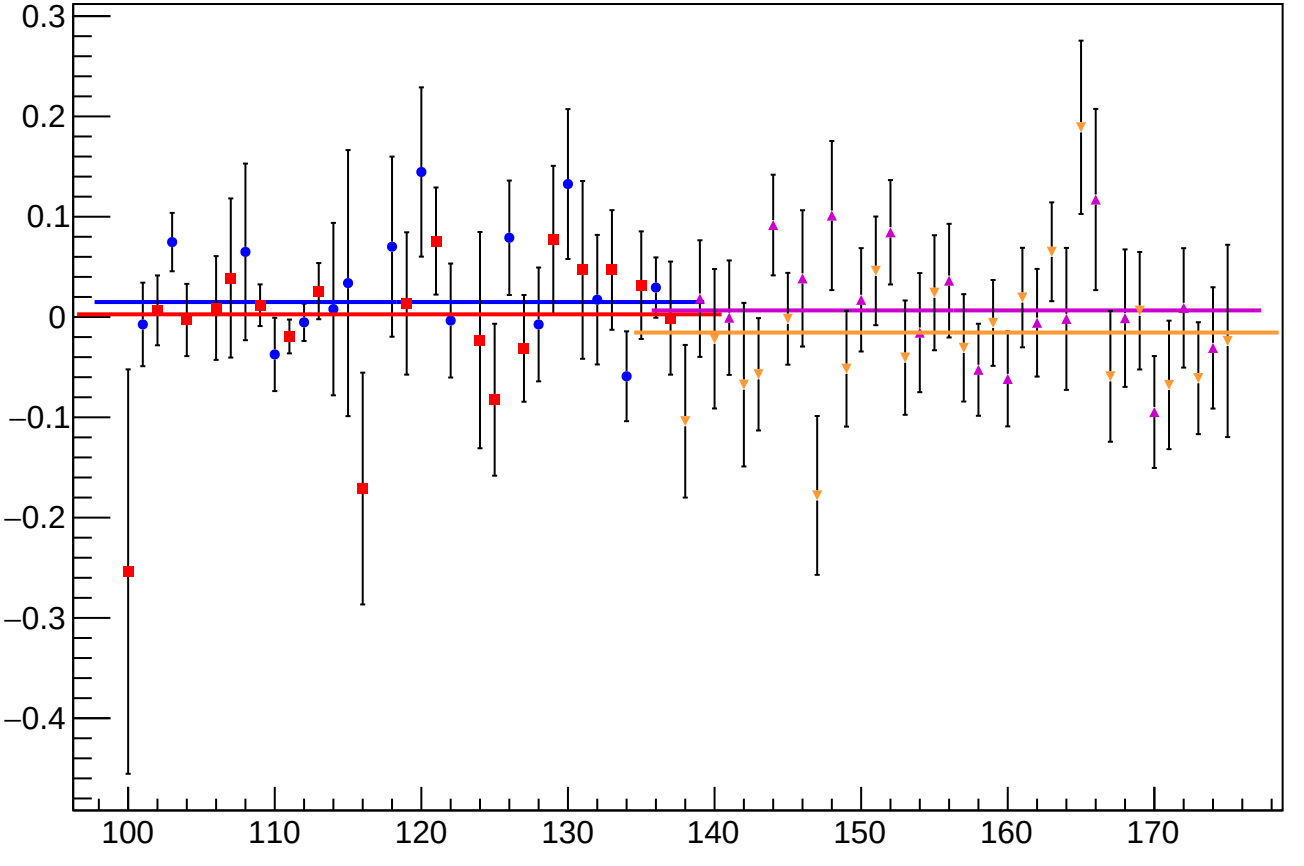
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.669+/-0.006 χ^2/NDF:7754129.4/33

Out: 30.538+/-0.005 χ^2/NDF:11688769.7/38

All: 32.397+/-0.004 χ^2/NDF: 19712190.6/72

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

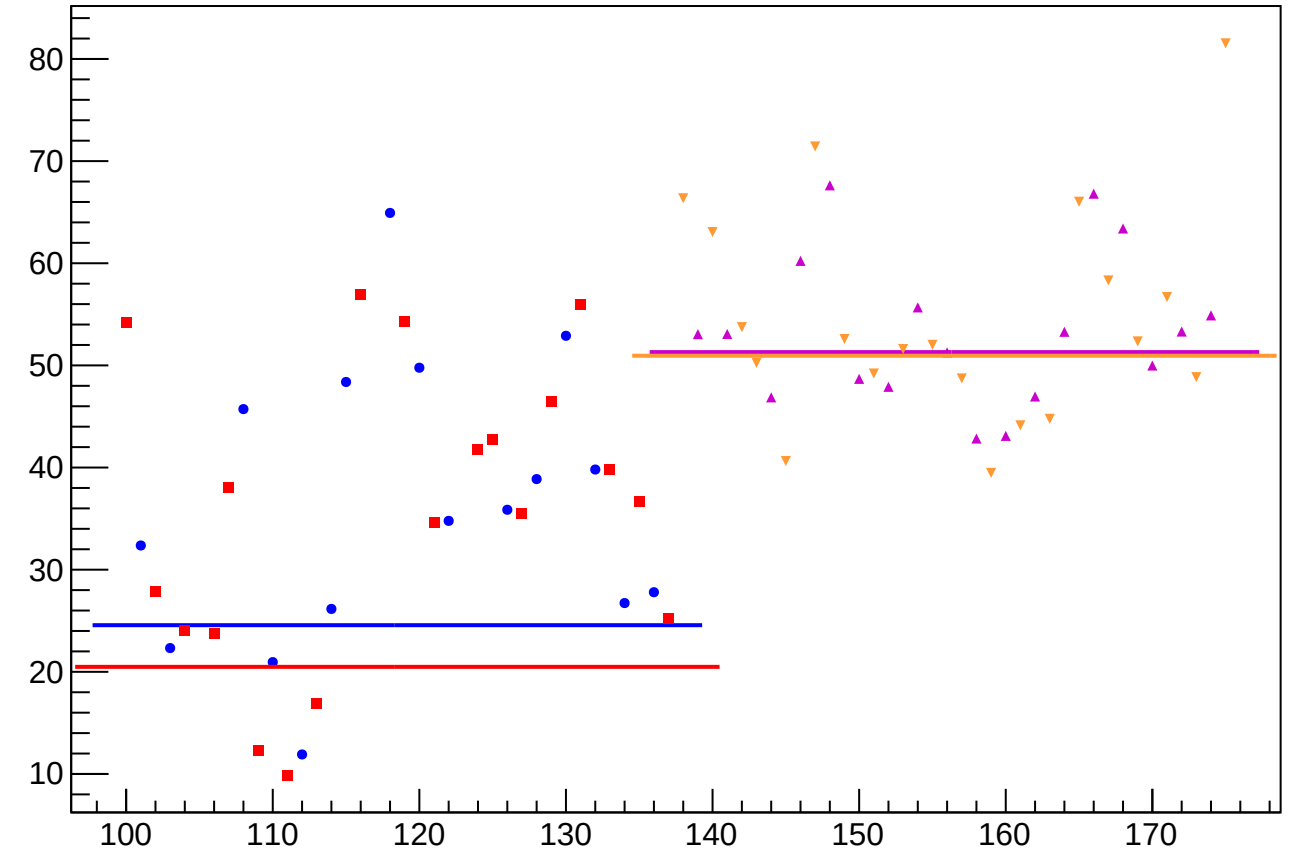
Left: -0.005+/-0.009 χ^2/NDF: 37.6/37

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.8/72



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

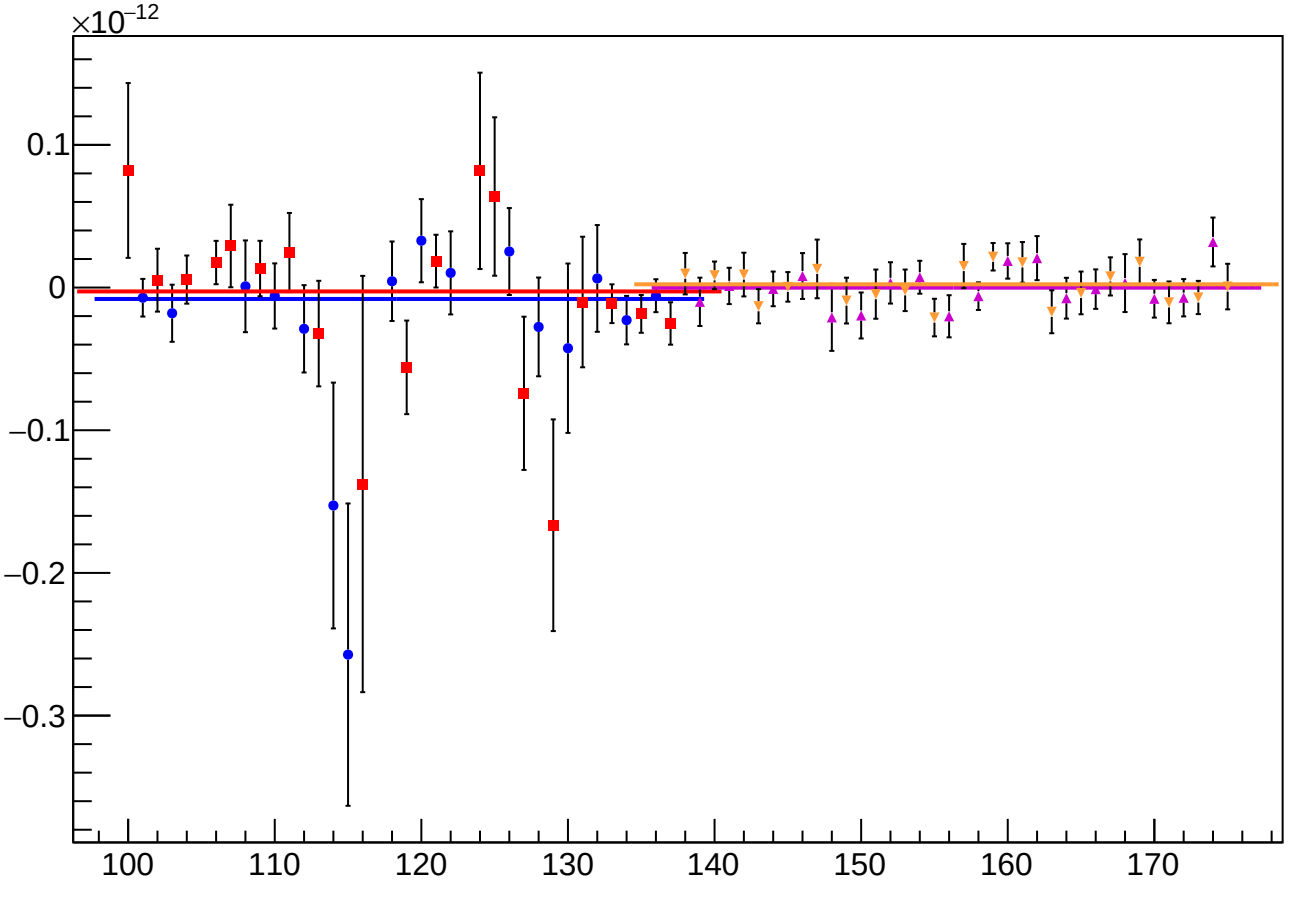
Left: 51.118+/-0.007 χ^2/NDF: 1361999.7/37

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.669+/-0.006 χ^2/NDF:7754129.4/33

Out: 30.538+/-0.005 χ^2/NDF:11688769.7/38

All: 32.397+/-0.004 χ^2/NDF: 19712190.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/17

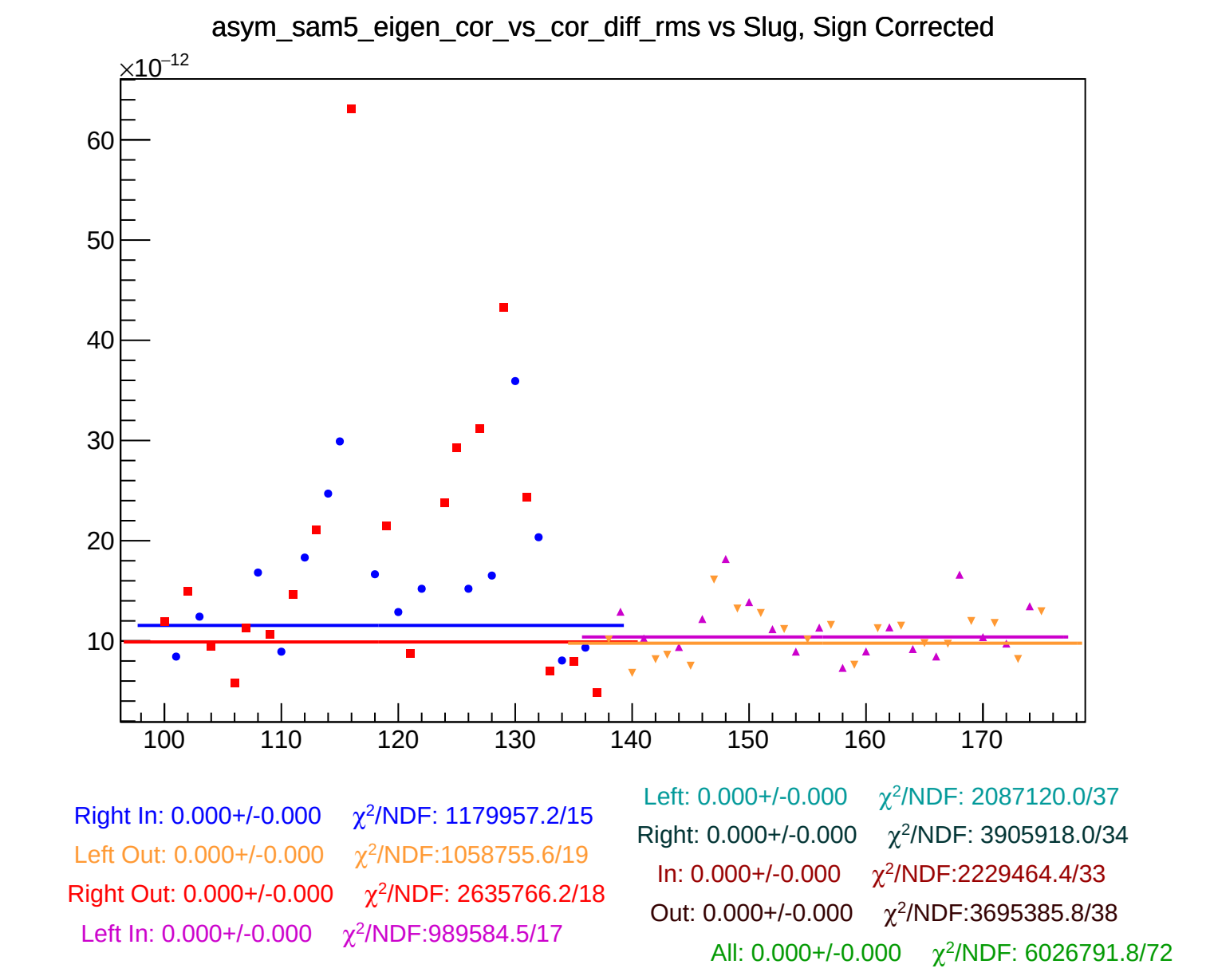
Left: 0.000+/-0.000 χ^2/NDF: 31.3/37

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

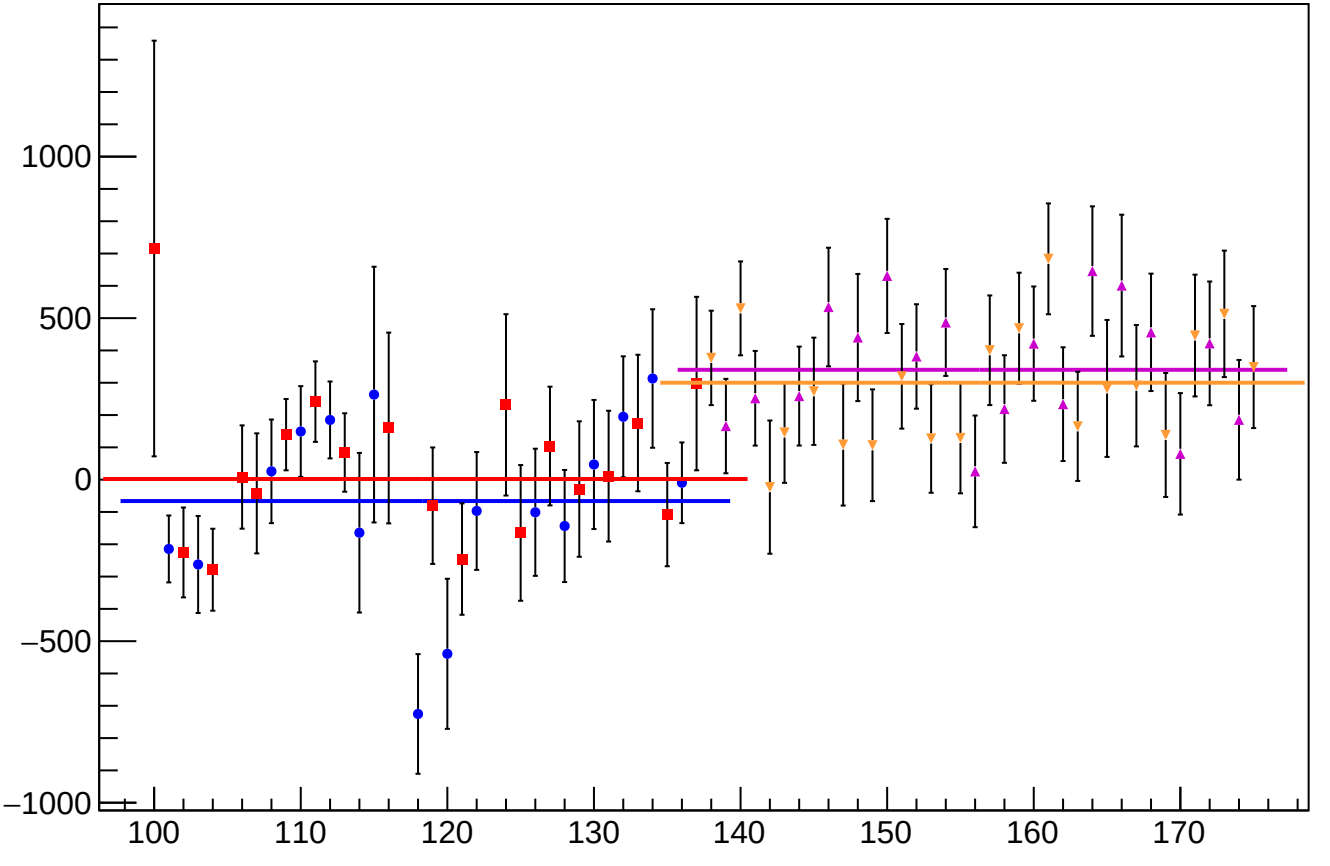
In: -0.000+/-0.000 χ^2/NDF:30.0/33

Out: 0.000+/-0.000 χ^2/NDF:43.7/38

All: -0.000+/-0.000 χ^2/NDF: 74.3/72


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1058755.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:989584.5/17
Left: 0.000+/-0.000 χ²/NDF: 2087120.0/37
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2229464.4/33
Out: 0.000+/-0.000 χ²/NDF:3695385.8/38
All: 0.000+/-0.000 χ²/NDF: 6026791.8/72

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.122+/-38.875 χ^2/NDF:20.1/19

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 340.083+/-41.075 χ^2/NDF:18.4/17

Left: 319.003+/-28.235 χ^2/NDF: 39.0/37

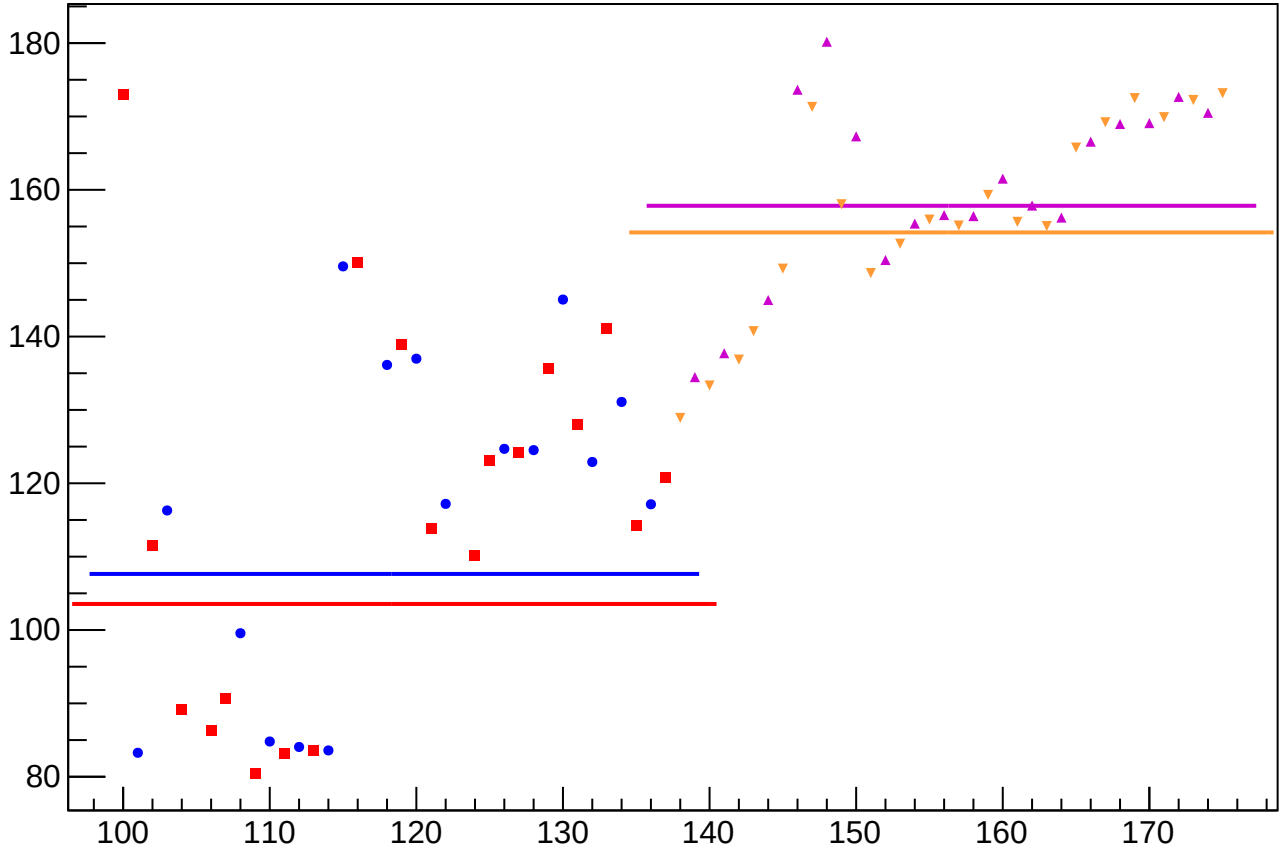
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 136.241+/-28.996 χ^2/NDF:101.8/33

Out: 151.037+/-27.486 χ^2/NDF:70.6/38

All: 144.034+/-19.948 χ^2/NDF: 172.6/72

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

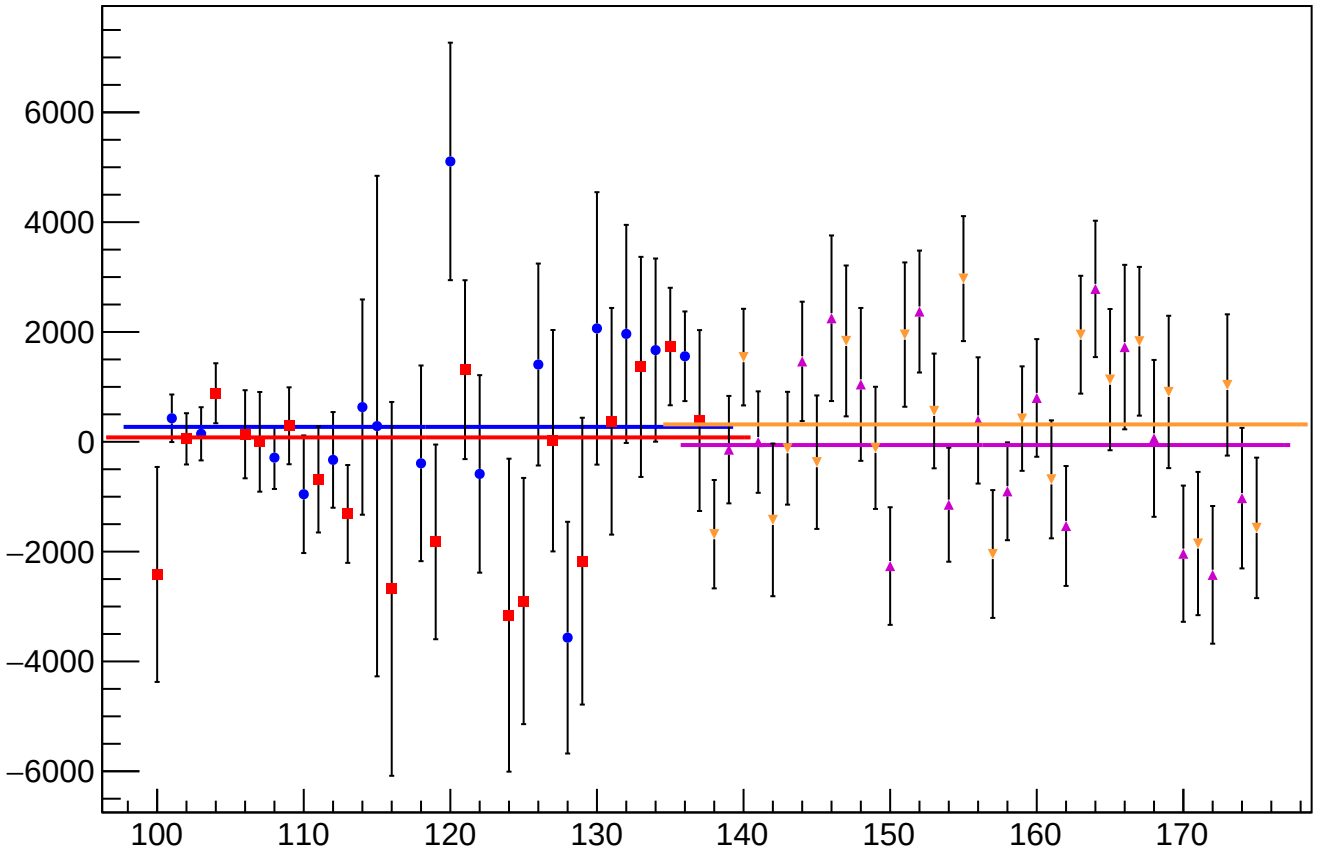
Left: 155.911+/-0.020 χ^2/NDF: 444630.6/37

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 132.651+/-0.021 χ^2/NDF:2224738.2/33

Out: 128.867+/-0.019 χ^2/NDF:2557055.1/38

All: 130.658+/-0.014 χ^2/NDF: 4799732.3/72



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 316.480+/-257.218 χ^2/NDF:30.9/19

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -59.075+/-268.847 χ^2/NDF:31.9/17

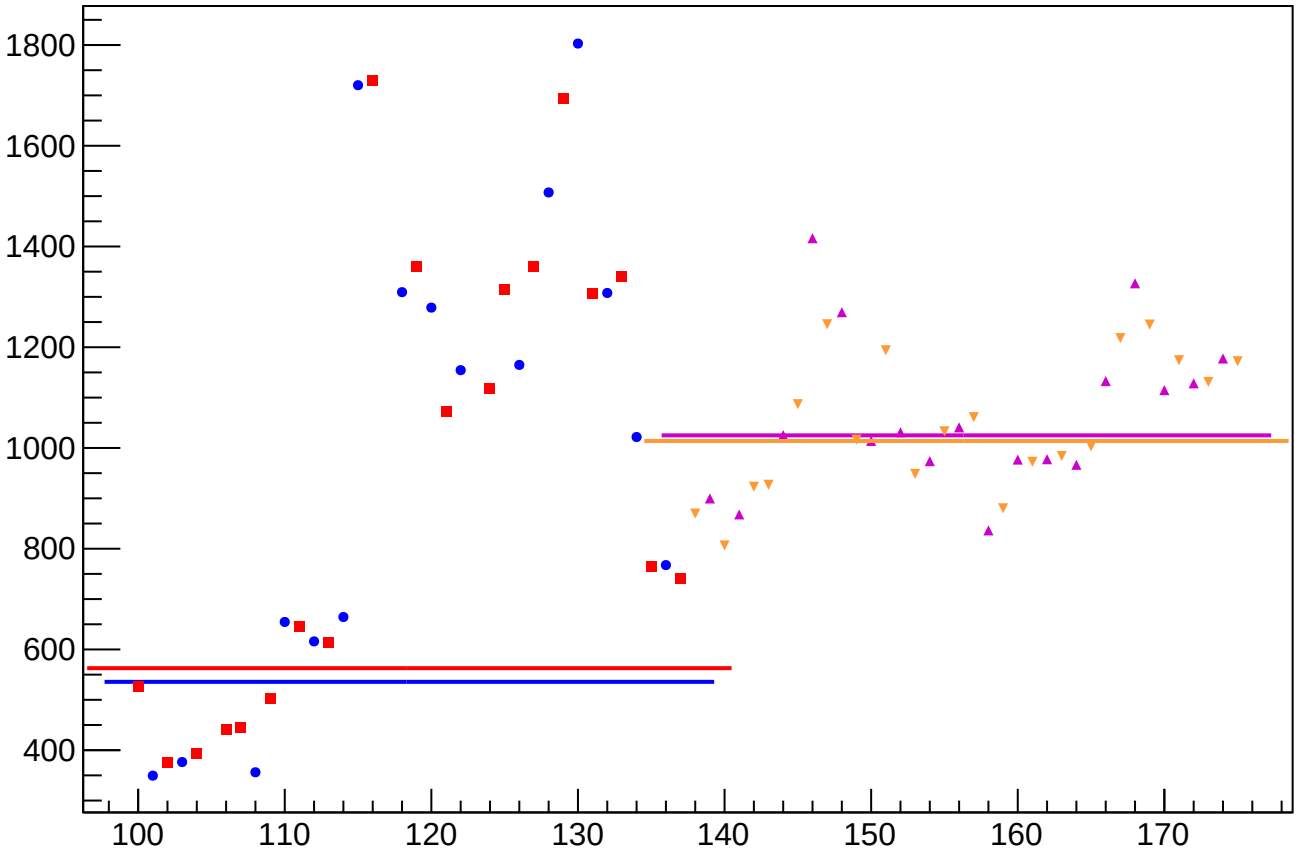
Left: 137.000+/-185.856 χ^2/NDF: 63.9/37

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 131.339+/-175.060 χ^2/NDF:49.3/33

Out: 186.212+/-172.340 χ^2/NDF:47.4/38

All: 159.205+/-122.813 χ^2/NDF: 96.7/72



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1013.894+/-0.182 χ^2/NDF:512358.4/19

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1025.061+/-0.190 χ^2/NDF:546501.3/17

Left: 1019.231+/-0.131 χ^2/NDF: 1060661.1/37

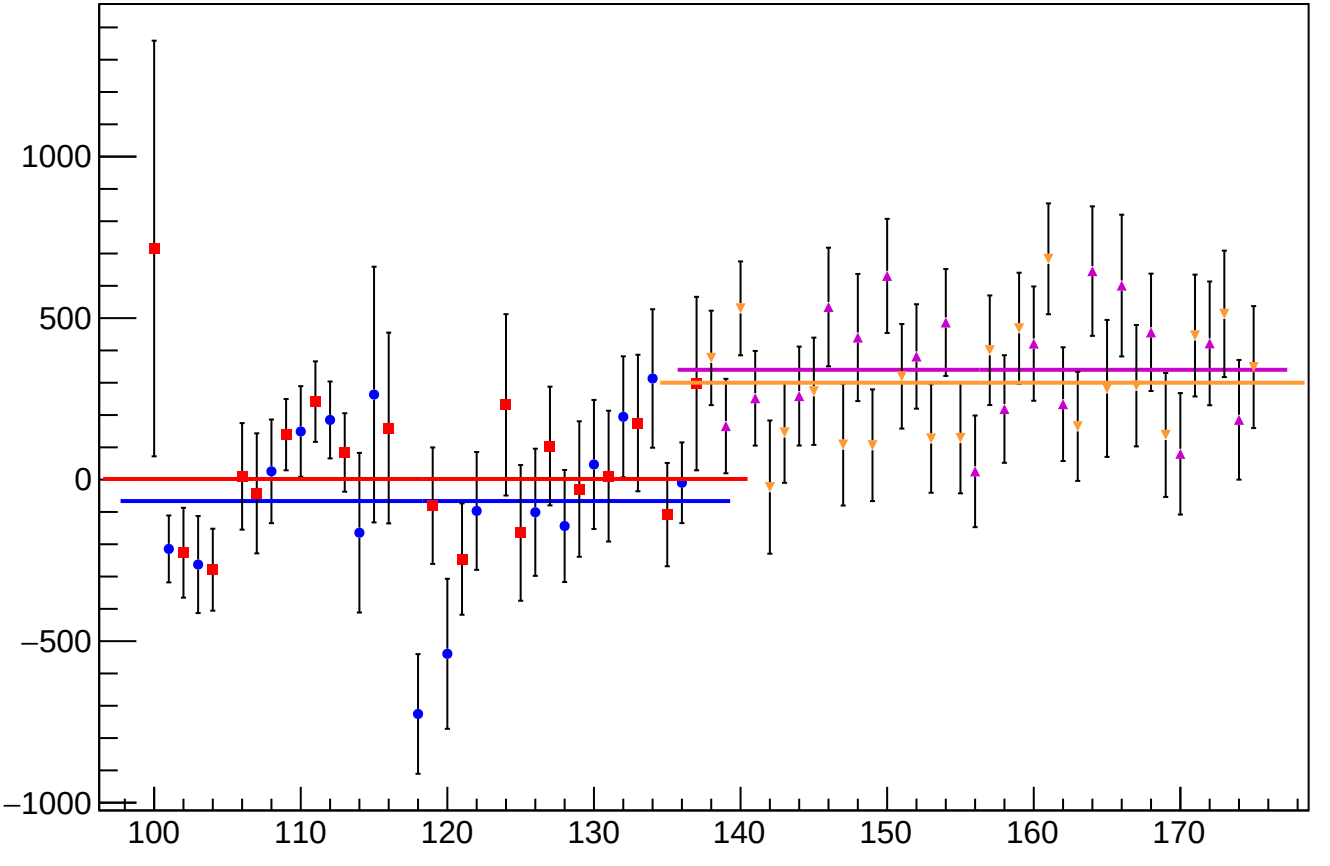
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 743.180+/-0.124 χ^2/NDF:7995964.5/33

Out: 765.329+/-0.122 χ^2/NDF:7012541.4/38

All: 754.428+/-0.087 χ^2/NDF: 15024764.7/72

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.119+/-38.875 χ^2/NDF:20.1/19

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 340.087+/-41.075 χ^2/NDF:18.4/17

Left: 319.004+/-28.235 χ^2/NDF: 39.0/37

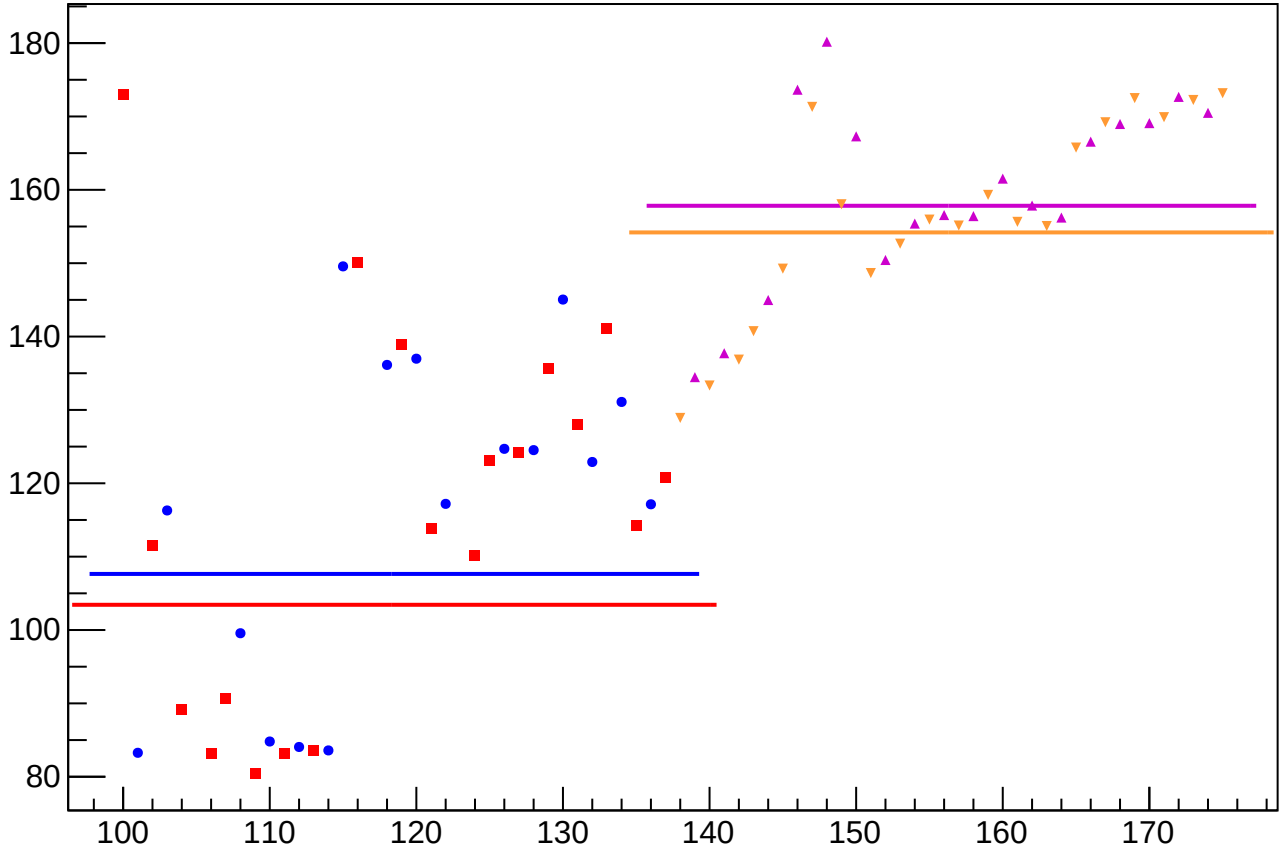
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 136.230+/-28.996 χ^2/NDF:101.9/33

Out: 151.327+/-27.510 χ^2/NDF:70.6/38

All: 144.175+/-19.957 χ^2/NDF: 172.6/72

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

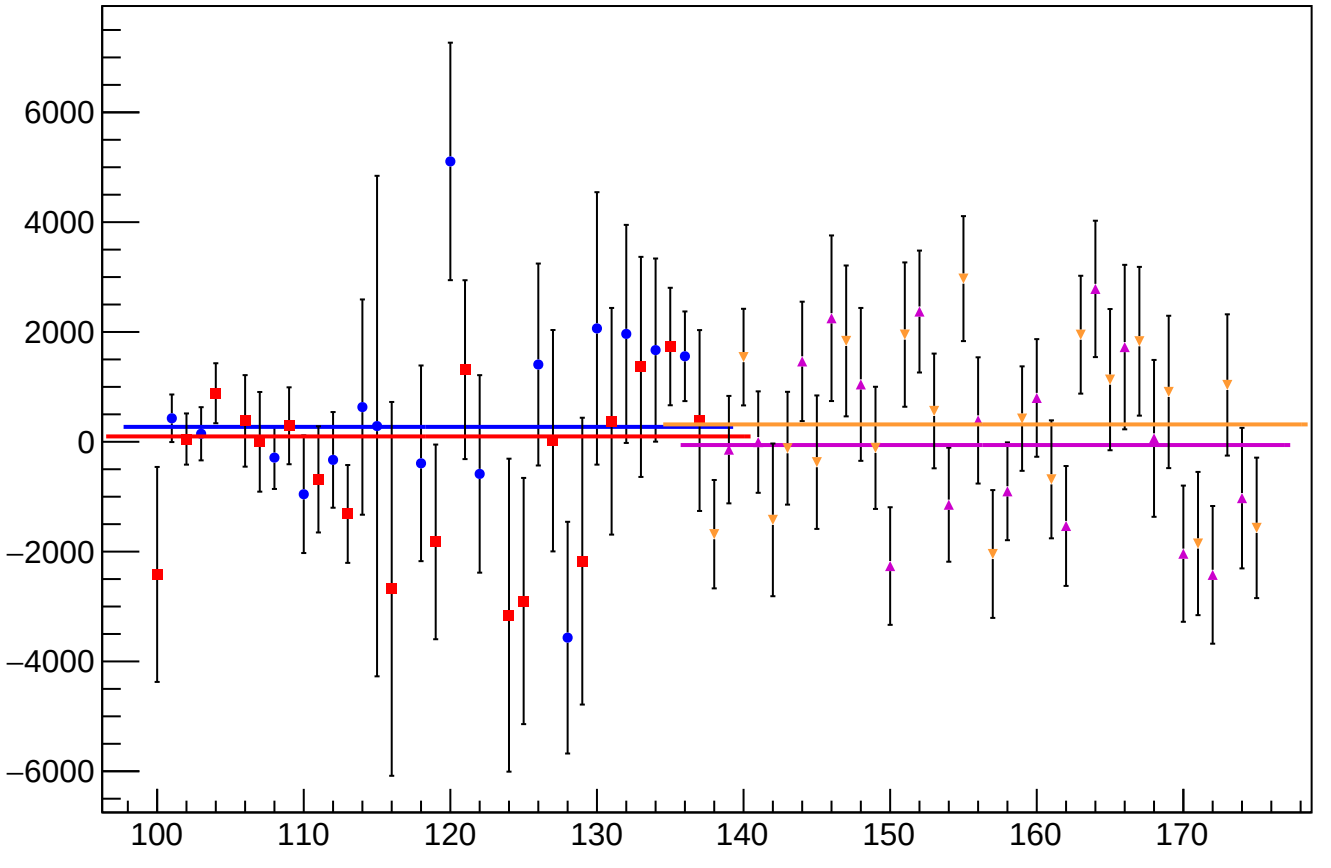
Left: 155.911+/-0.020 χ^2/NDF: 444630.6/37

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 132.651+/-0.021 χ^2/NDF:2224735.7/33

Out: 128.857+/-0.019 χ^2/NDF:2568906.5/38

All: 130.654+/-0.014 χ^2/NDF: 4811663.8/72



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -59.076+/-268.847 χ^2/NDF:31.9/17

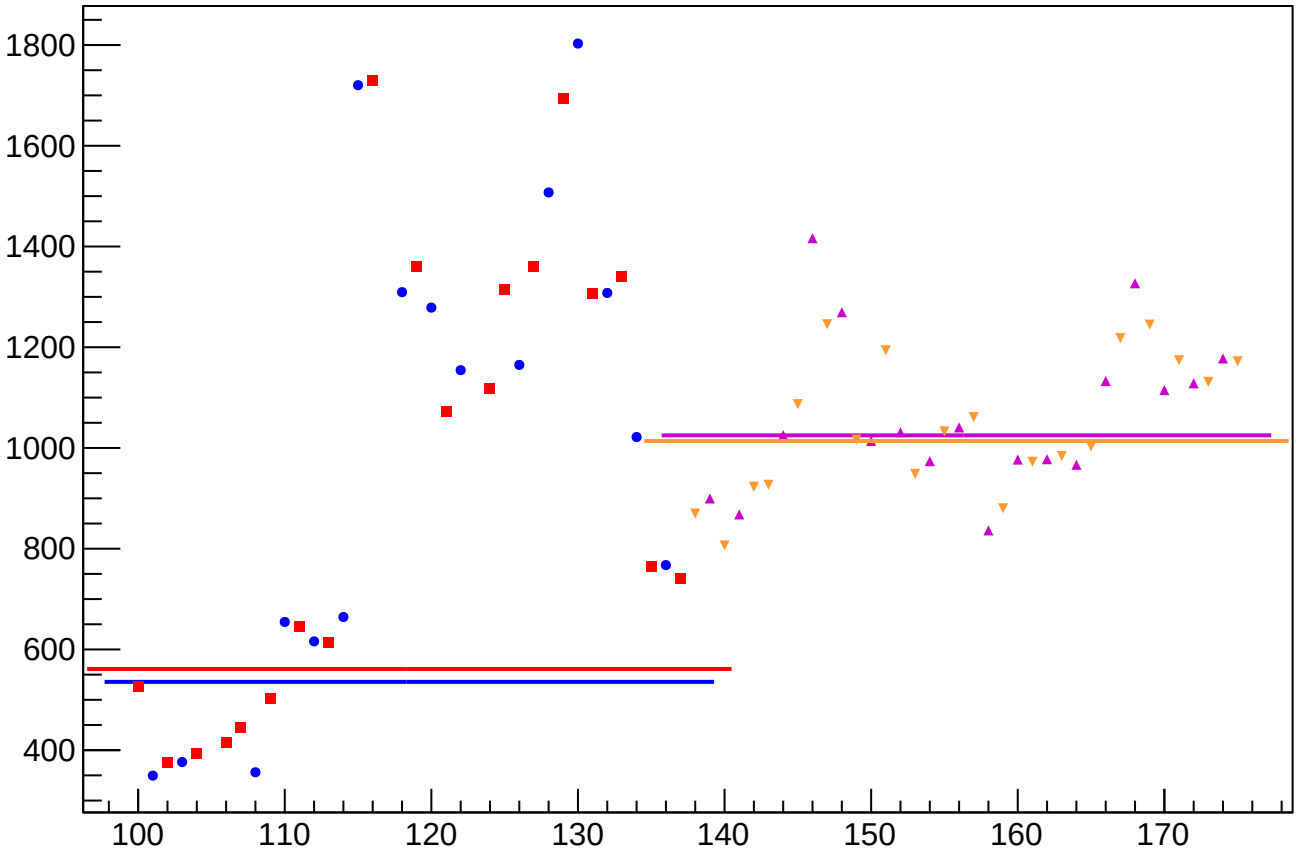
Left: 137.002+/-185.856 χ^2/NDF: 63.9/37

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 131.424+/-175.057 χ^2/NDF:49.3/33

Out: 196.289+/-172.596 χ^2/NDF:47.4/38

All: 164.316+/-122.905 χ^2/NDF: 96.8/72



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

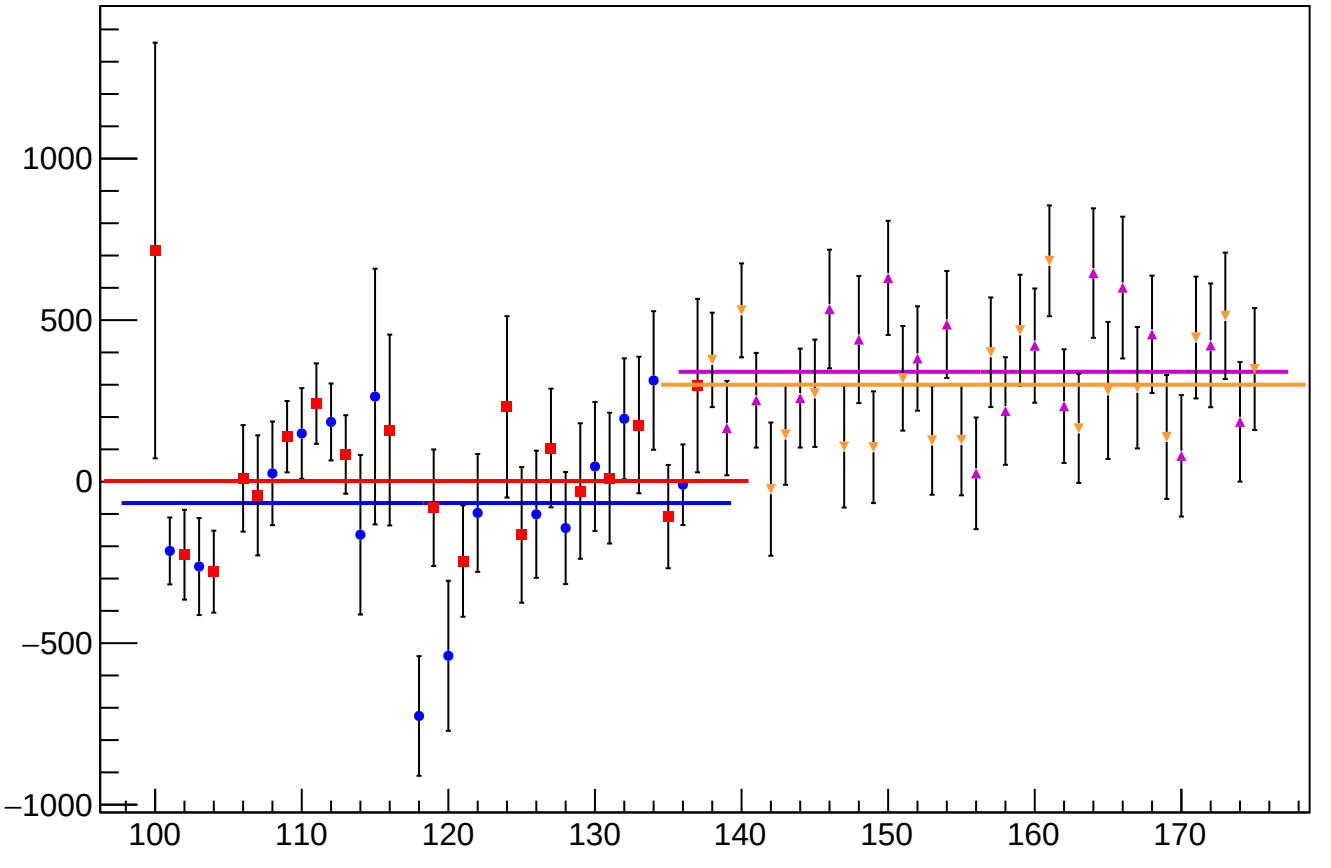
Left: 1019.231+/-0.131 χ^2/NDF: 1060659.0/37

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 743.160+/-0.124 χ^2/NDF:7996605.0/33

Out: 765.065+/-0.122 χ^2/NDF:7047725.8/38

All: 754.267+/-0.087 χ^2/NDF: 15060210.0/72



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.119+/-38.875 χ^2/NDF:20.1/19

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 340.087+/-41.075 χ^2/NDF:18.4/17

Left: 319.004+/-28.235 χ^2/NDF: 39.0/37

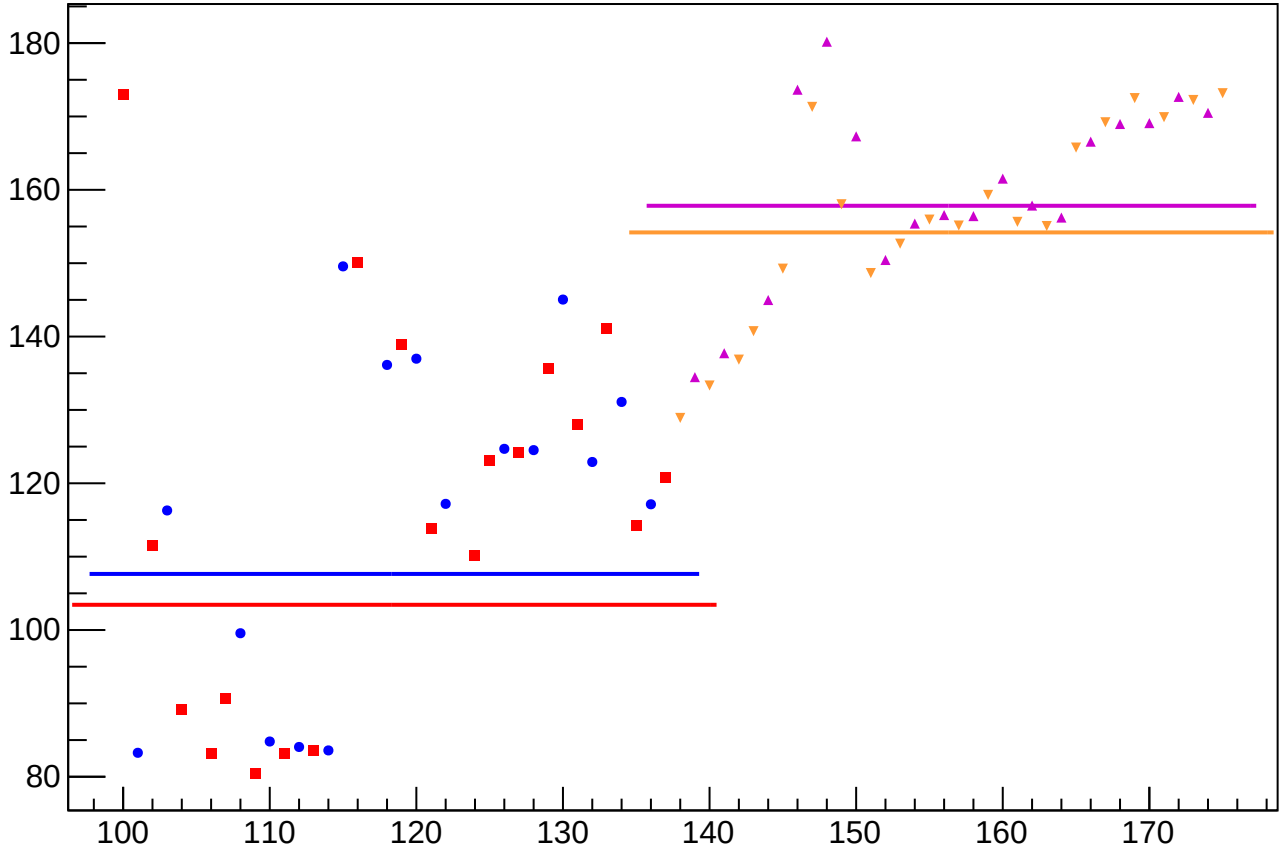
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 136.230+/-28.996 χ^2/NDF:101.9/33

Out: 151.327+/-27.510 χ^2/NDF:70.6/38

All: 144.175+/-19.957 χ^2/NDF: 172.6/72

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

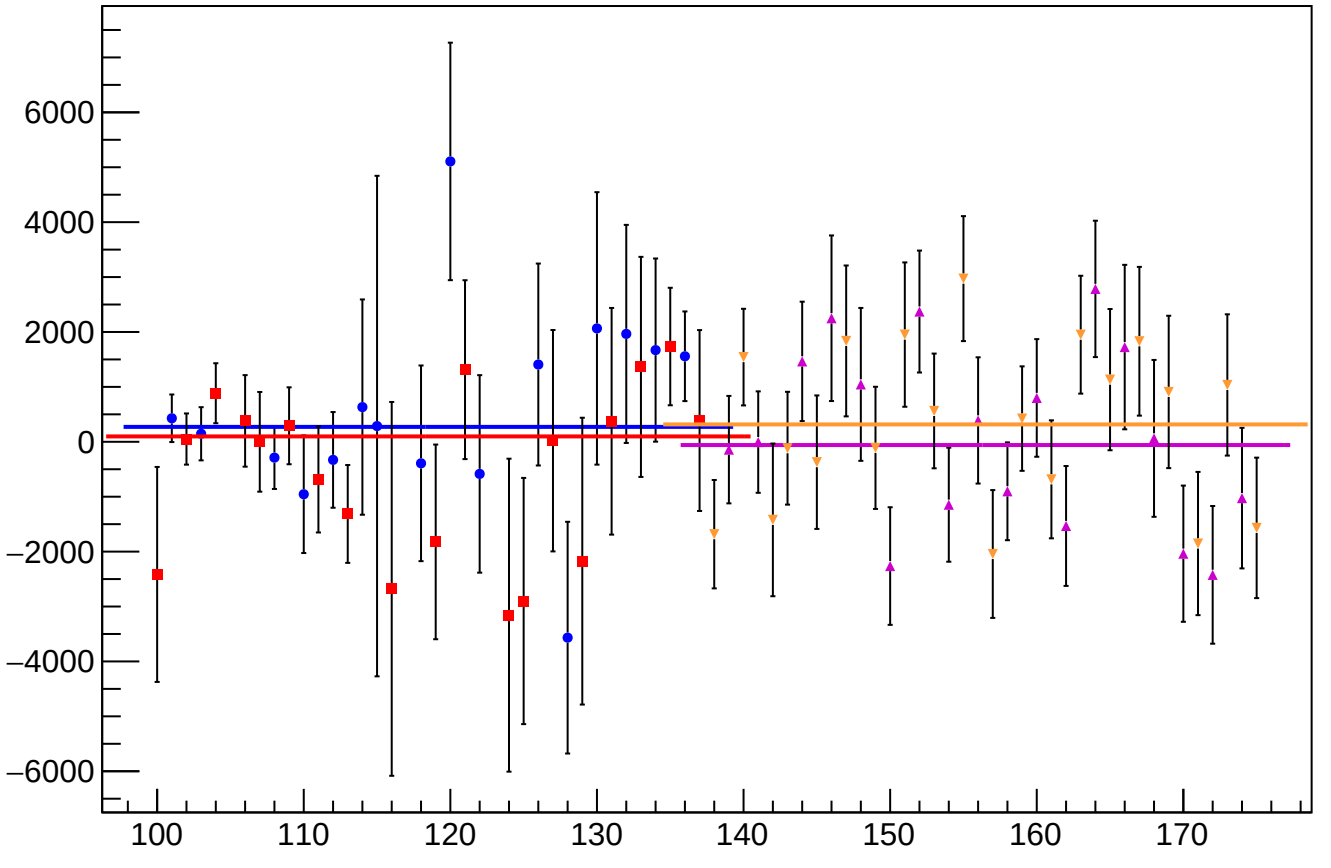
Left: 155.911+/-0.020 χ^2/NDF: 444630.6/37

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 132.651+/-0.021 χ^2/NDF:2224735.7/33

Out: 128.857+/-0.019 χ^2/NDF:2568906.5/38

All: 130.654+/-0.014 χ^2/NDF: 4811663.8/72



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -59.076+/-268.847 χ^2/NDF:31.9/17

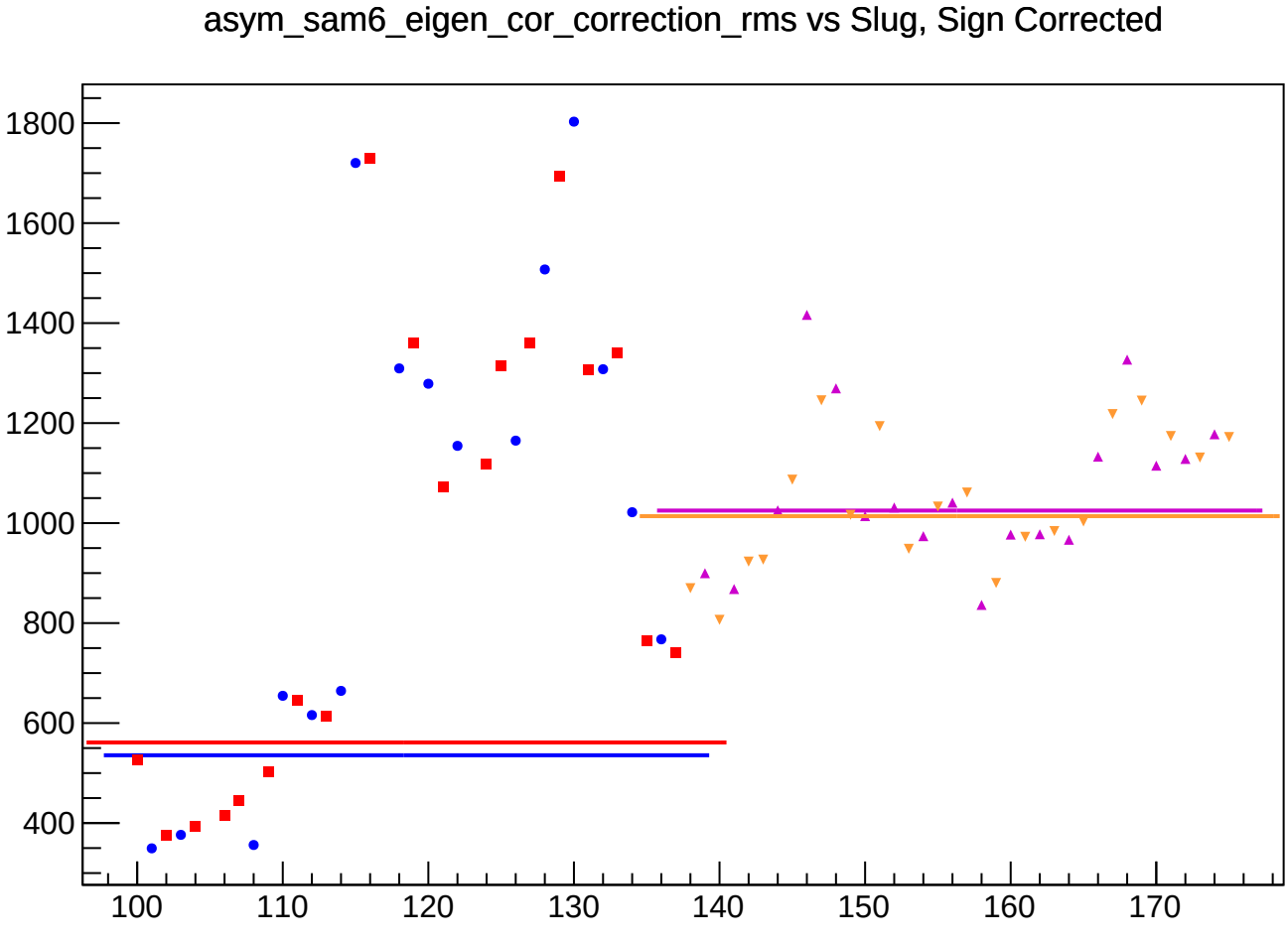
Left: 137.002+/-185.856 χ^2/NDF: 63.9/37

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 131.424+/-175.057 χ^2/NDF:49.3/33

Out: 196.289+/-172.596 χ^2/NDF:47.4/38

All: 164.316+/-122.905 χ^2/NDF: 96.8/72



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

Left: 1019.231+/-0.131 χ^2/NDF: 1060659.0/37

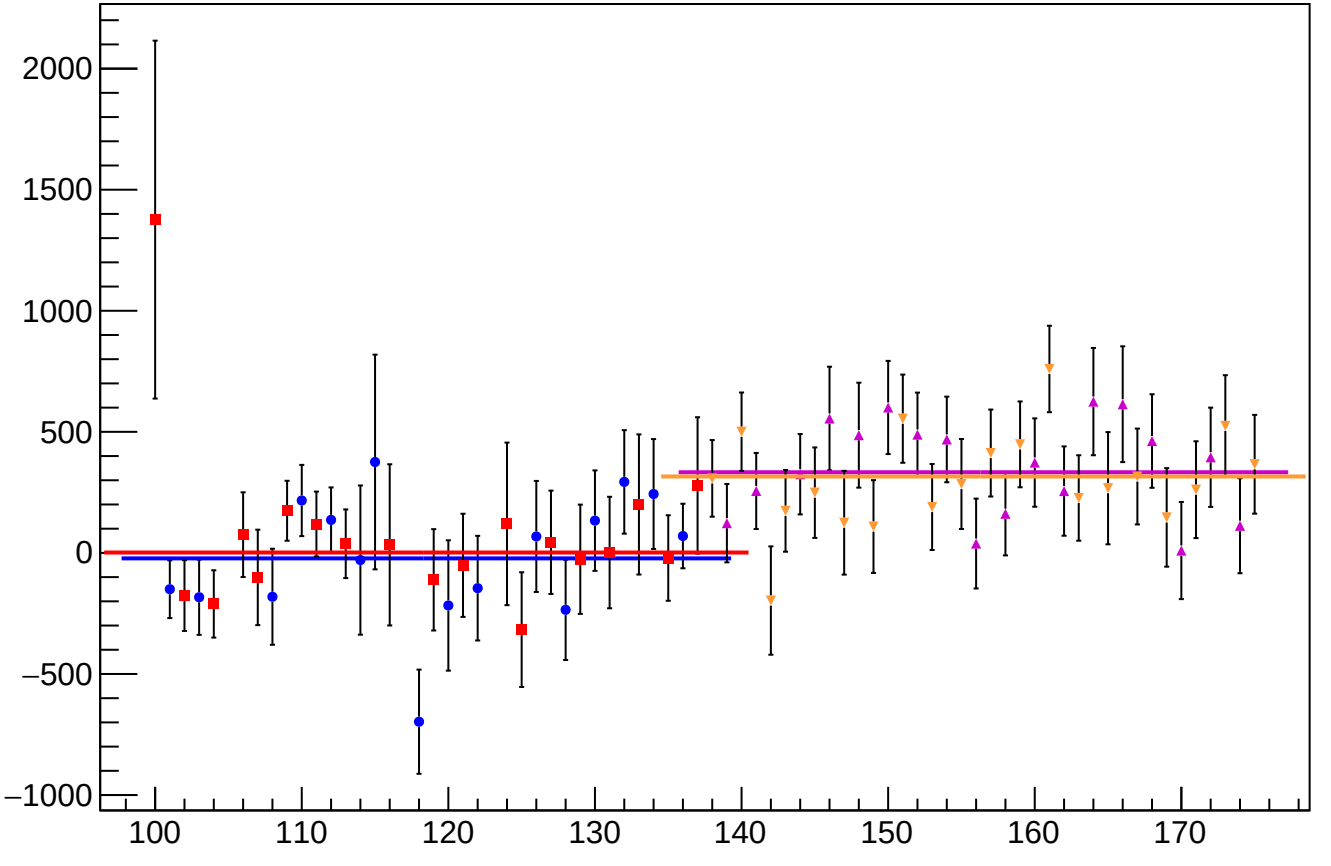
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 743.160+/-0.124 χ^2/NDF:7996605.0/33

Out: 765.065+/-0.122 χ^2/NDF:7047725.8/38

All: 754.267+/-0.087 χ^2/NDF: 15060210.0/72

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.641+/-41.952 χ^2/NDF:20.7/19

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 333.003+/-44.193 χ^2/NDF:18.1/17

Left: 323.871+/-30.426 χ^2/NDF: 38.9/37

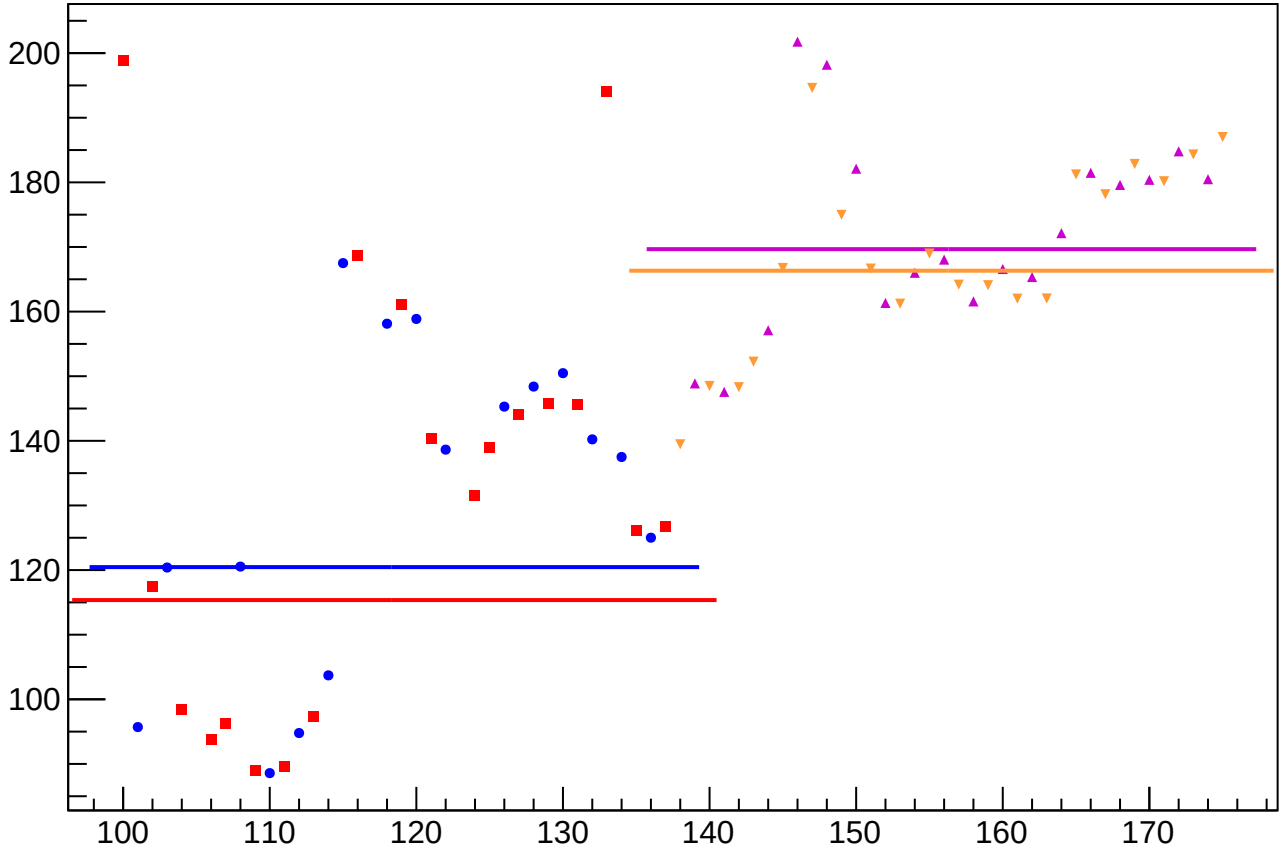
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.931+/-31.838 χ^2/NDF:73.4/33

Out: 164.536+/-30.218 χ^2/NDF:62.0/38

All: 163.301+/-21.918 χ^2/NDF: 135.4/72

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.330+/-0.030 χ^2/NDF:226360.9/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 169.664+/-0.031 χ^2/NDF:216889.4/17

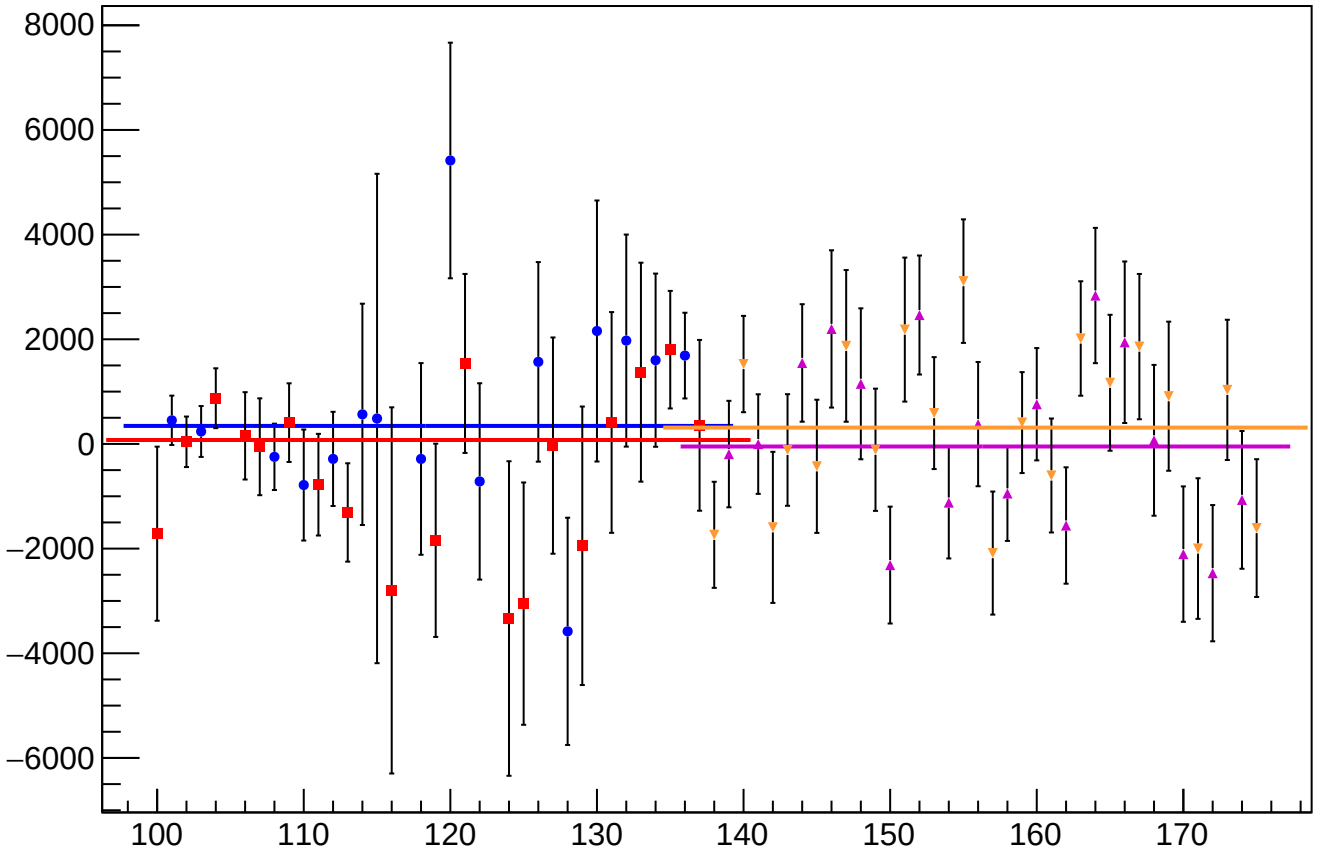
Left: 167.910+/-0.022 χ^2/NDF: 449238.5/37

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 145.997+/-0.023 χ^2/NDF:1939740.8/33

Out: 141.803+/-0.021 χ^2/NDF:2414275.7/38

All: 143.791+/-0.015 χ^2/NDF: 4372274.5/72



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 312.410+/-265.087 χ^2/NDF:31.4/19

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -48.815+/-276.212 χ^2/NDF:31.7/17

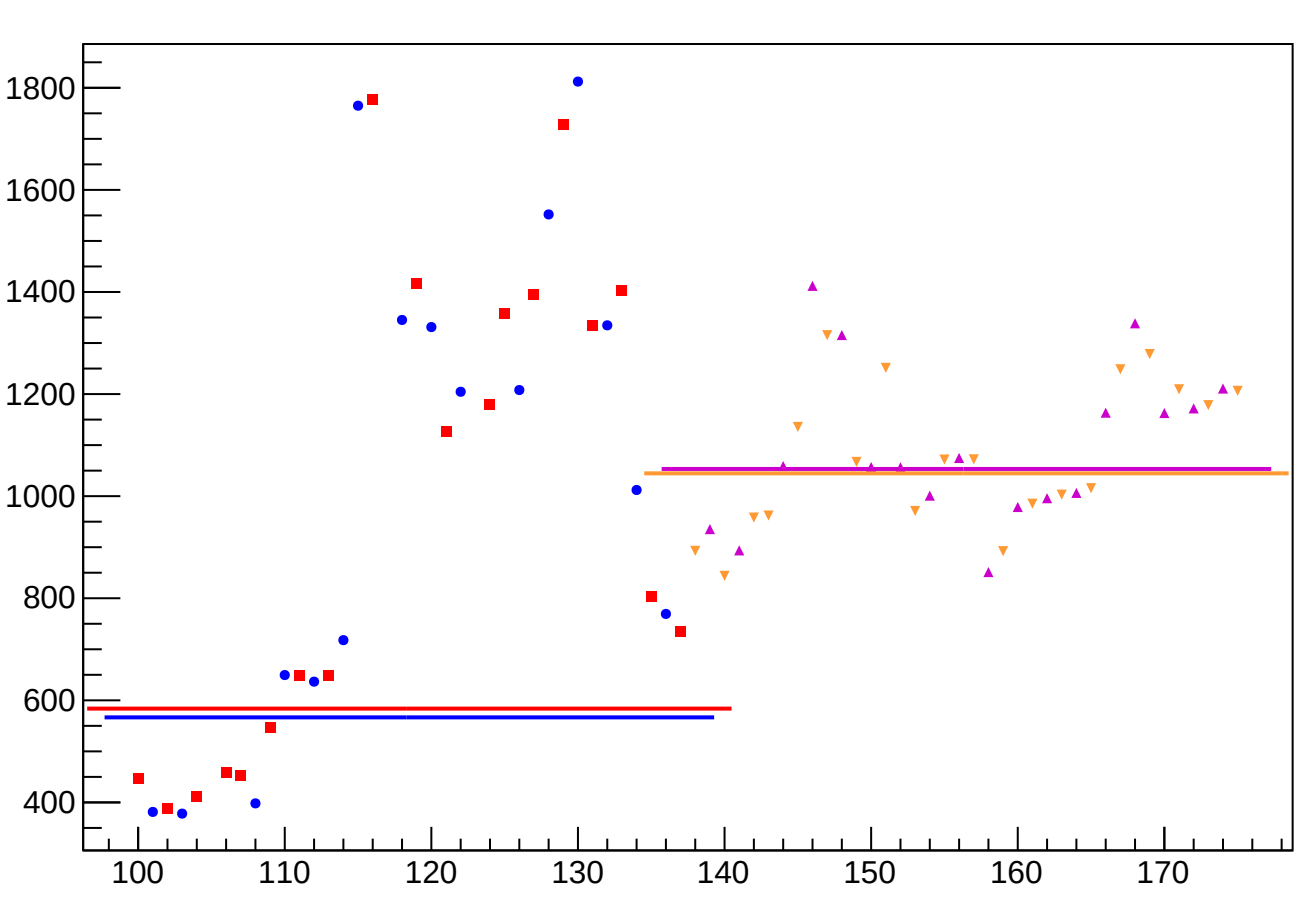
Left: 139.218+/-191.257 χ^2/NDF: 64.1/37

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 174.034+/-181.821 χ^2/NDF:49.1/33

Out: 182.415+/-178.110 χ^2/NDF:47.1/38

All: 178.311+/-127.235 χ^2/NDF: 96.3/72



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533655.5/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1053.273+/-0.195 χ^2/NDF:533859.8/17

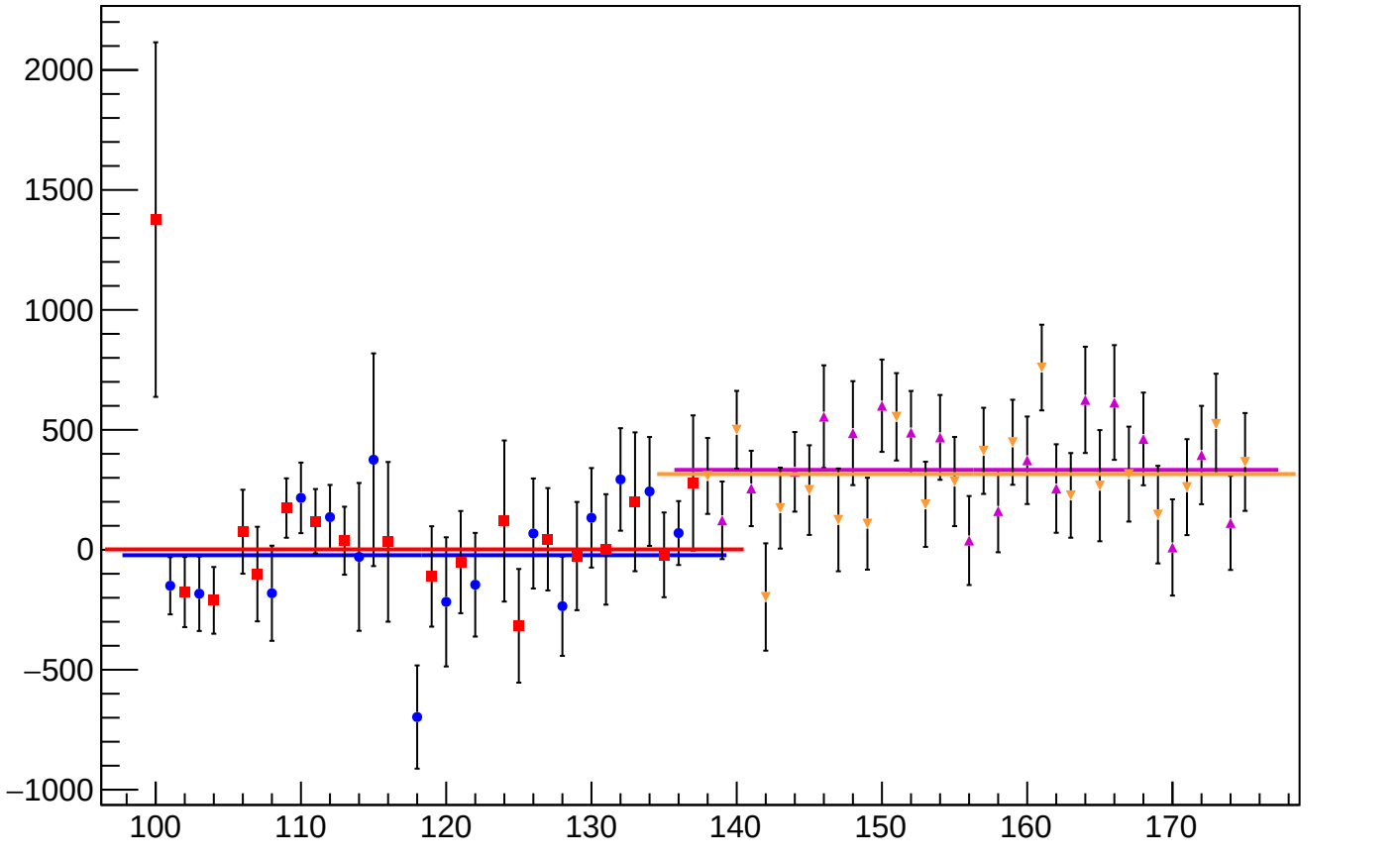
Left: 1048.805+/-0.135 χ^2/NDF: 1068520.6/37

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

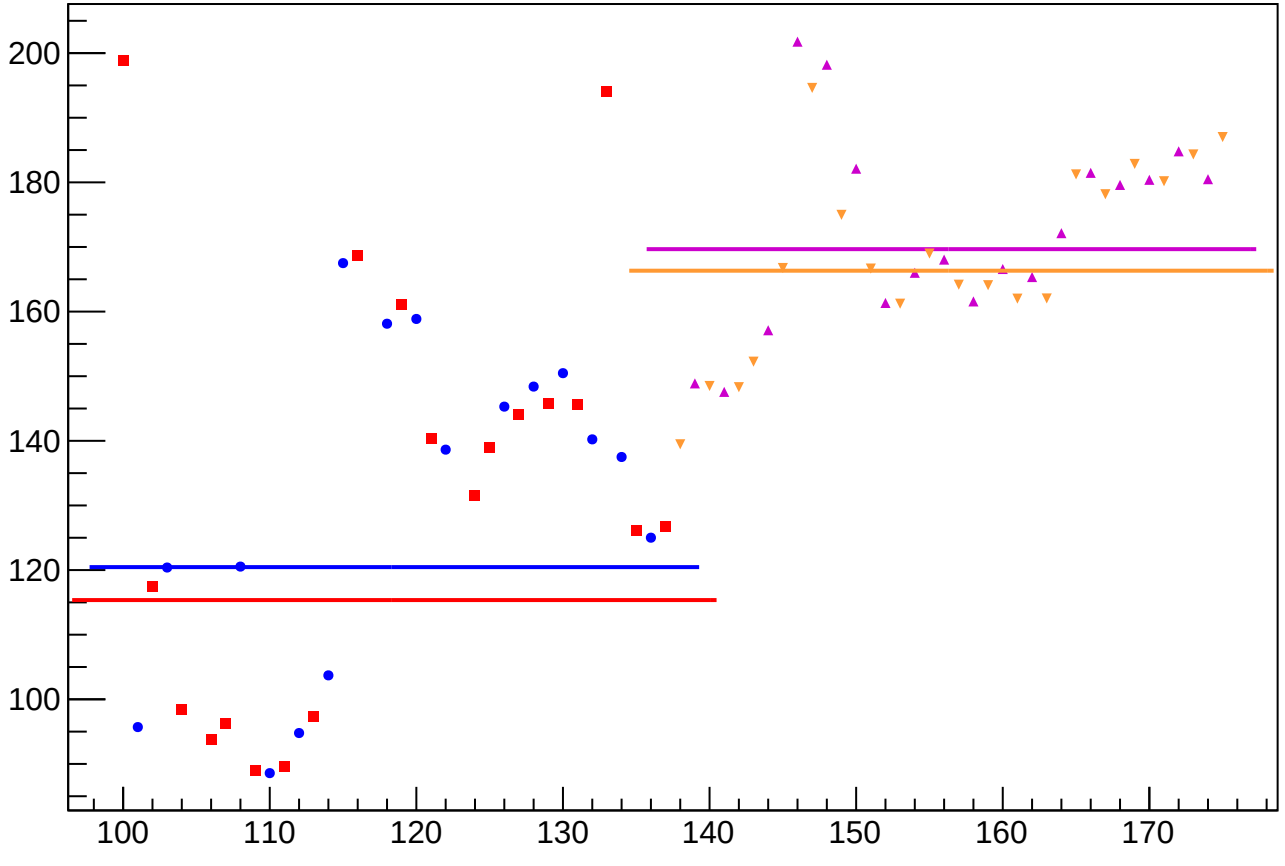
In: 777.485+/-0.129 χ^2/NDF:7484779.6/33

Out: 791.861+/-0.126 χ^2/NDF:6957678.9/38

All: 784.821+/-0.090 χ^2/NDF: 14448839.0/72


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 315.642+/-41.952 χ²/NDF:20.7/19
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 333.004+/-44.193 χ²/NDF:18.1/17
Left: 323.872+/-30.426 χ²/NDF: 38.9/37
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 161.930+/-31.838 χ²/NDF:73.4/33
Out: 164.537+/-30.218 χ²/NDF:62.0/38
All: 163.302+/-21.918 χ²/NDF: 135.4/72

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.329+/-0.030 χ^2/NDF:226360.8/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 169.663+/-0.031 χ^2/NDF:216889.4/17

Left: 167.910+/-0.022 χ^2/NDF: 449238.5/37

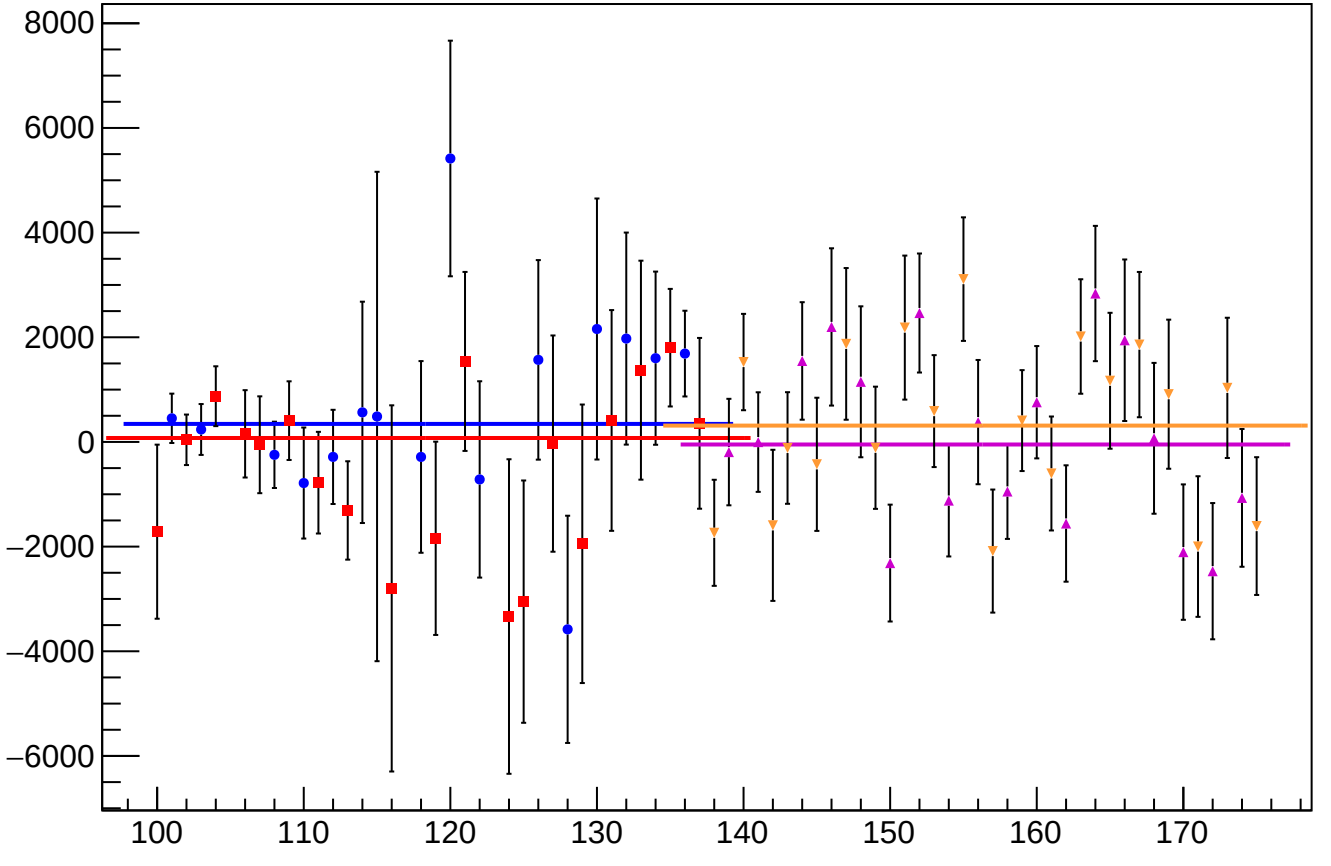
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 145.997+/-0.023 χ^2/NDF:1939751.3/33

Out: 141.803+/-0.021 χ^2/NDF:2414278.3/38

All: 143.791+/-0.015 χ^2/NDF: 4372287.4/72

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 312.411+/-265.087 χ^2/NDF:31.4/19

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -48.815+/-276.212 χ^2/NDF:31.7/17

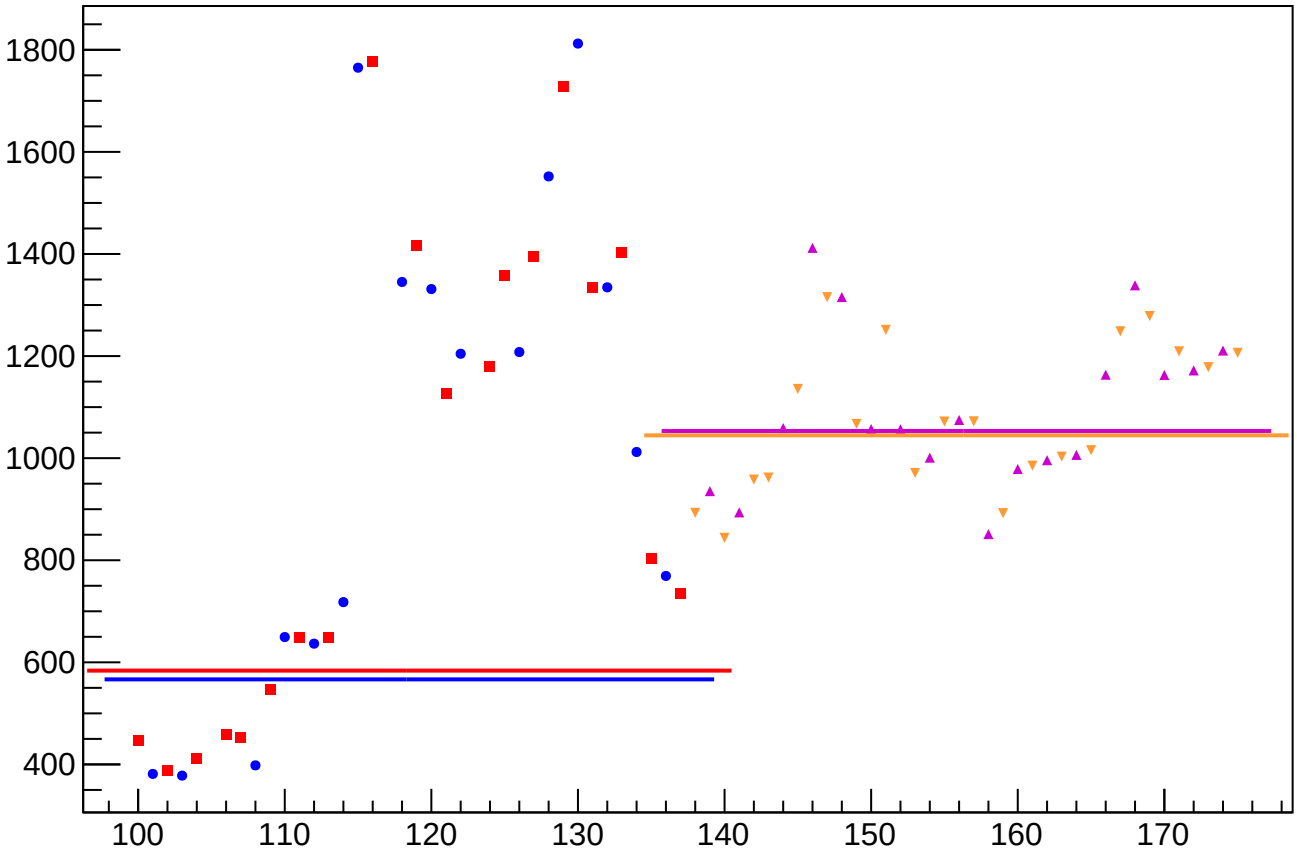
Left: 139.218+/-191.257 χ^2/NDF: 64.1/37

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 174.034+/-181.821 χ^2/NDF:49.1/33

Out: 182.416+/-178.110 χ^2/NDF:47.1/38

All: 178.311+/-127.235 χ^2/NDF: 96.3/72



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533659.2/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1053.273+/-0.195 χ^2/NDF:533863.0/17

Left: 1048.805+/-0.135 χ^2/NDF: 1068527.4/37

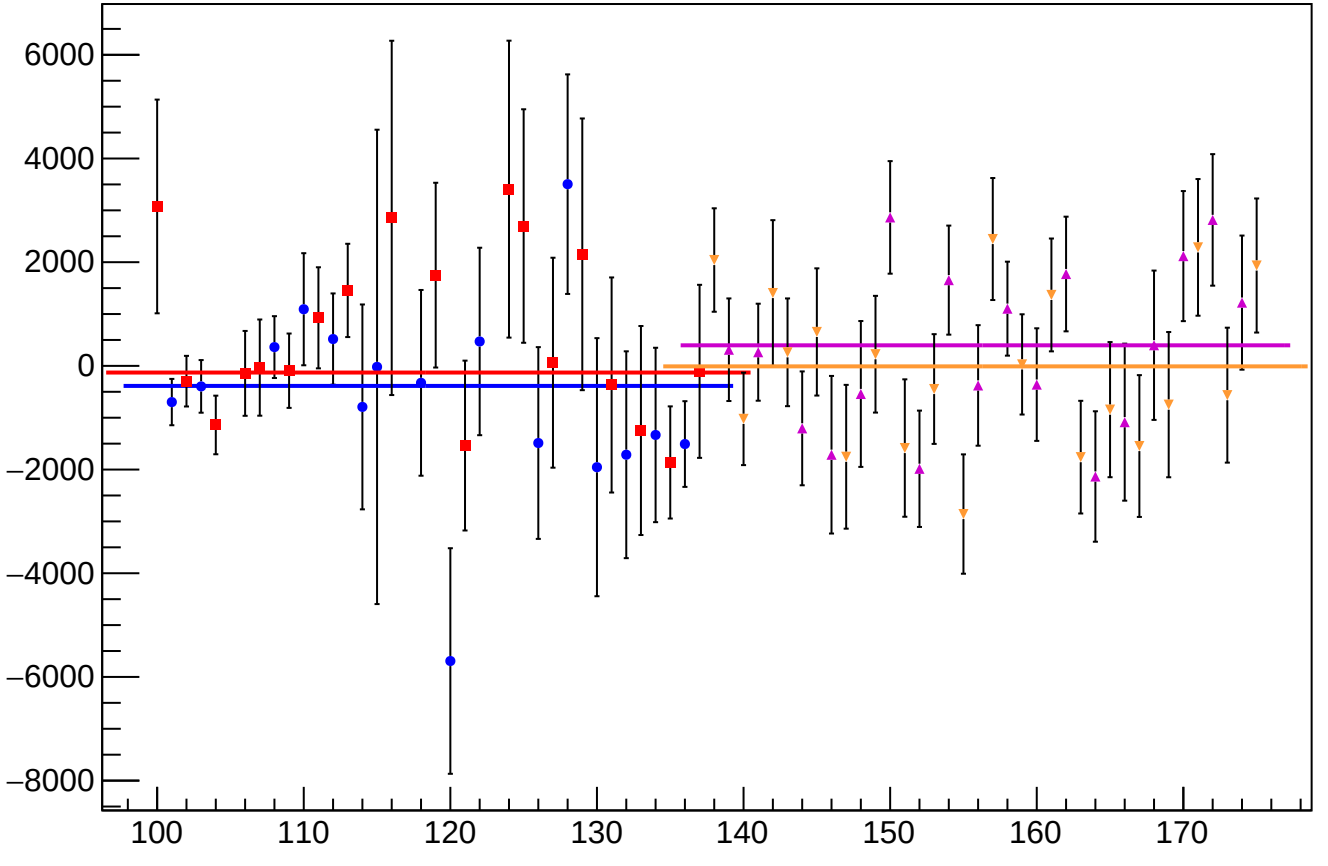
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 777.484+/-0.129 χ^2/NDF:7484799.0/33

Out: 791.861+/-0.126 χ^2/NDF:6957692.6/38

All: 784.821+/-0.090 χ^2/NDF: 14448872.5/72

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -9.578+/-260.261 χ^2/NDF:32.2/19

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 396.618+/-272.115 χ^2/NDF:29.6/17

Left: 184.480+/-188.084 χ^2/NDF: 63.0/37

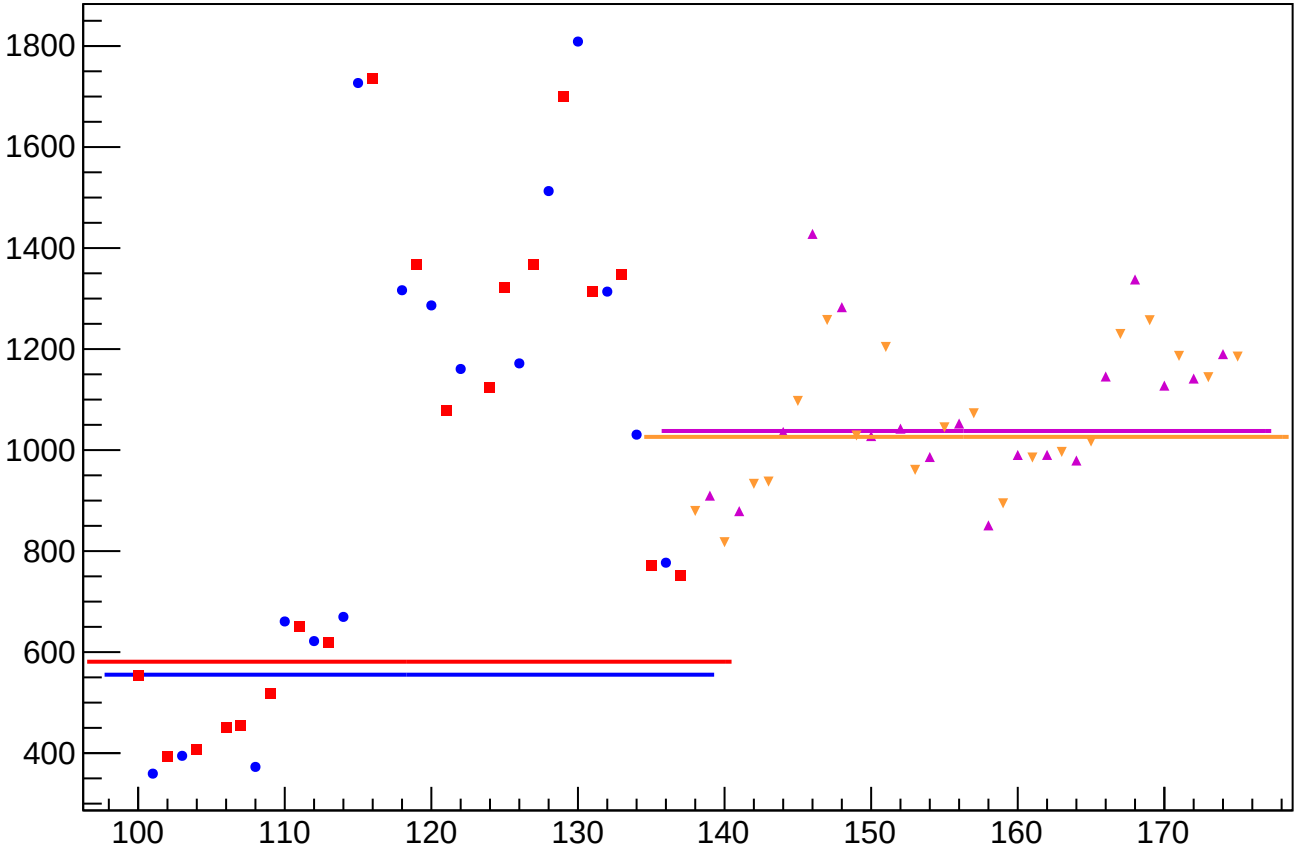
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -47.862+/-178.943 χ^2/NDF:52.3/33

Out: -74.327+/-175.732 χ^2/NDF:51.7/38

All: -61.334+/-125.381 χ^2/NDF: 104.0/72

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1026.141+/-0.184 χ^2/NDF:502183.4/19

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1037.825+/-0.192 χ^2/NDF:533981.0/17

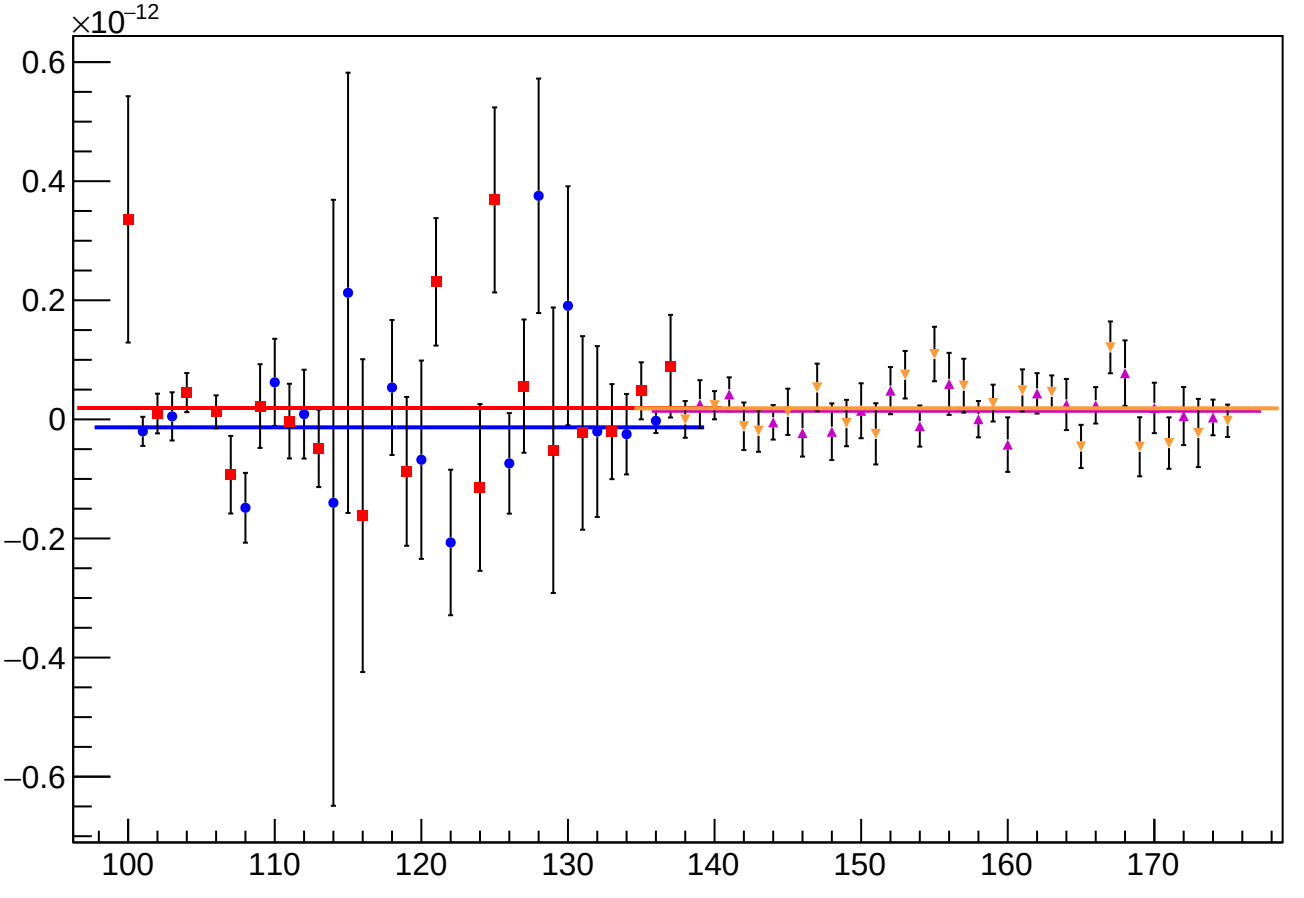
Left: 1031.723+/-0.133 χ^2/NDF: 1038090.0/37

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 763.958+/-0.127 χ^2/NDF:7585881.4/33

Out: 783.943+/-0.124 χ^2/NDF:6669085.1/38

All: 774.132+/-0.089 χ^2/NDF: 14267665.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/17

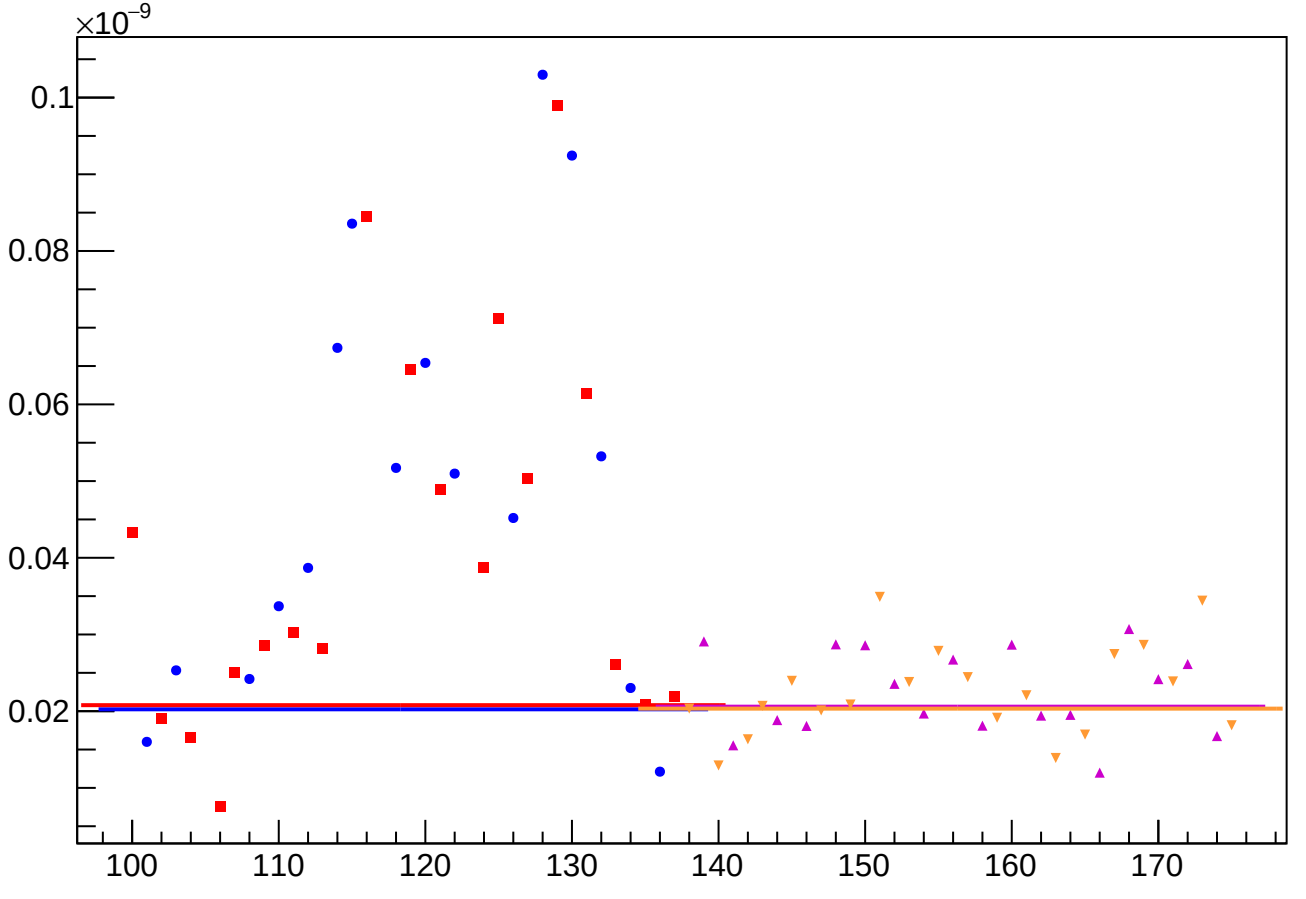
Left: 0.000+/-0.000 χ^2/NDF: 35.0/37

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/33

Out: 0.000+/-0.000 χ^2/NDF:45.7/38

All: 0.000+/-0.000 χ^2/NDF: 75.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:871026.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:704507.4/17

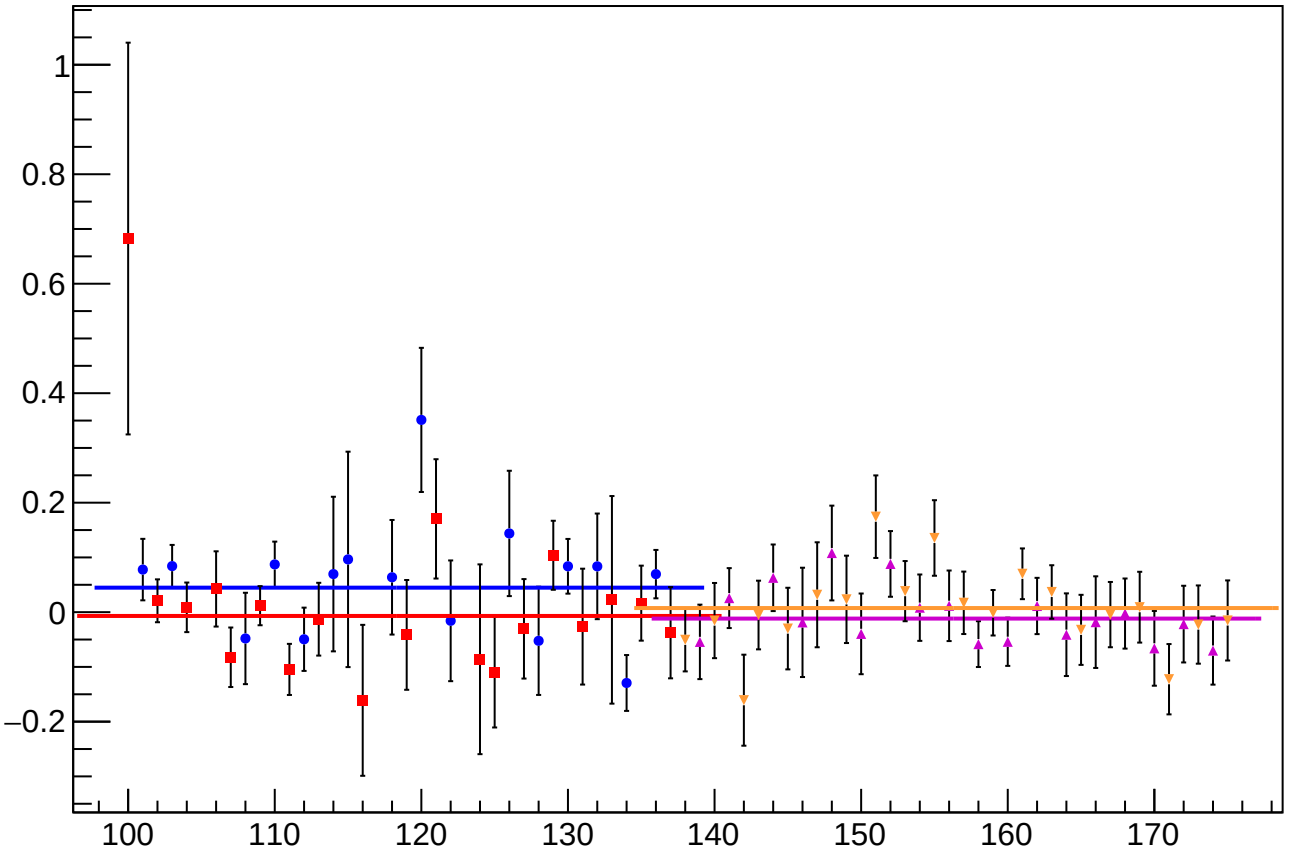
Left: 0.000+/-0.000 χ^2/NDF: 1576451.6/37

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2710148.1/33

Out: 0.000+/-0.000 χ^2/NDF:2728508.1/38

All: 0.000+/-0.000 χ^2/NDF: 5438676.5/72



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

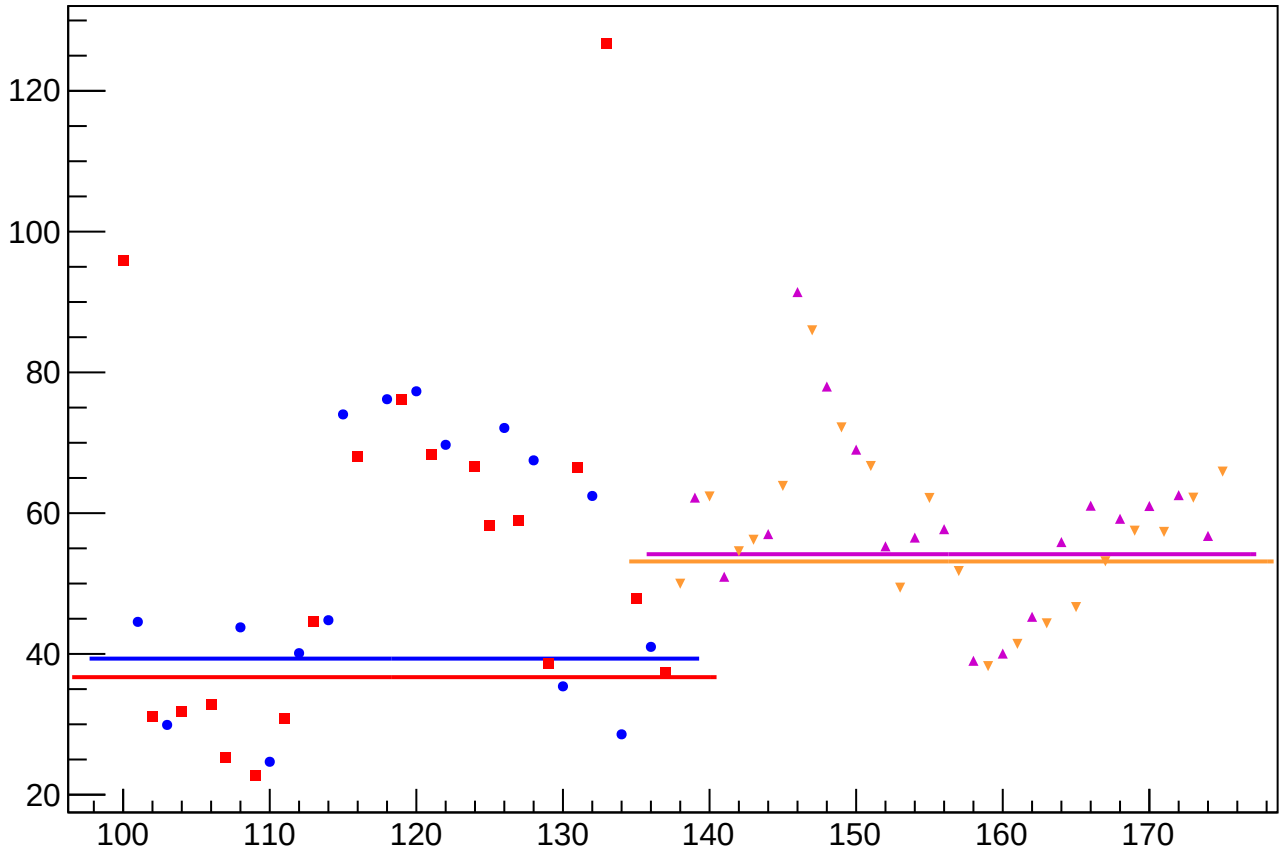
Left: -0.002+/-0.010 χ^2/NDF: 33.8/37

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.007+/-0.007 χ^2/NDF: 87.7/72



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

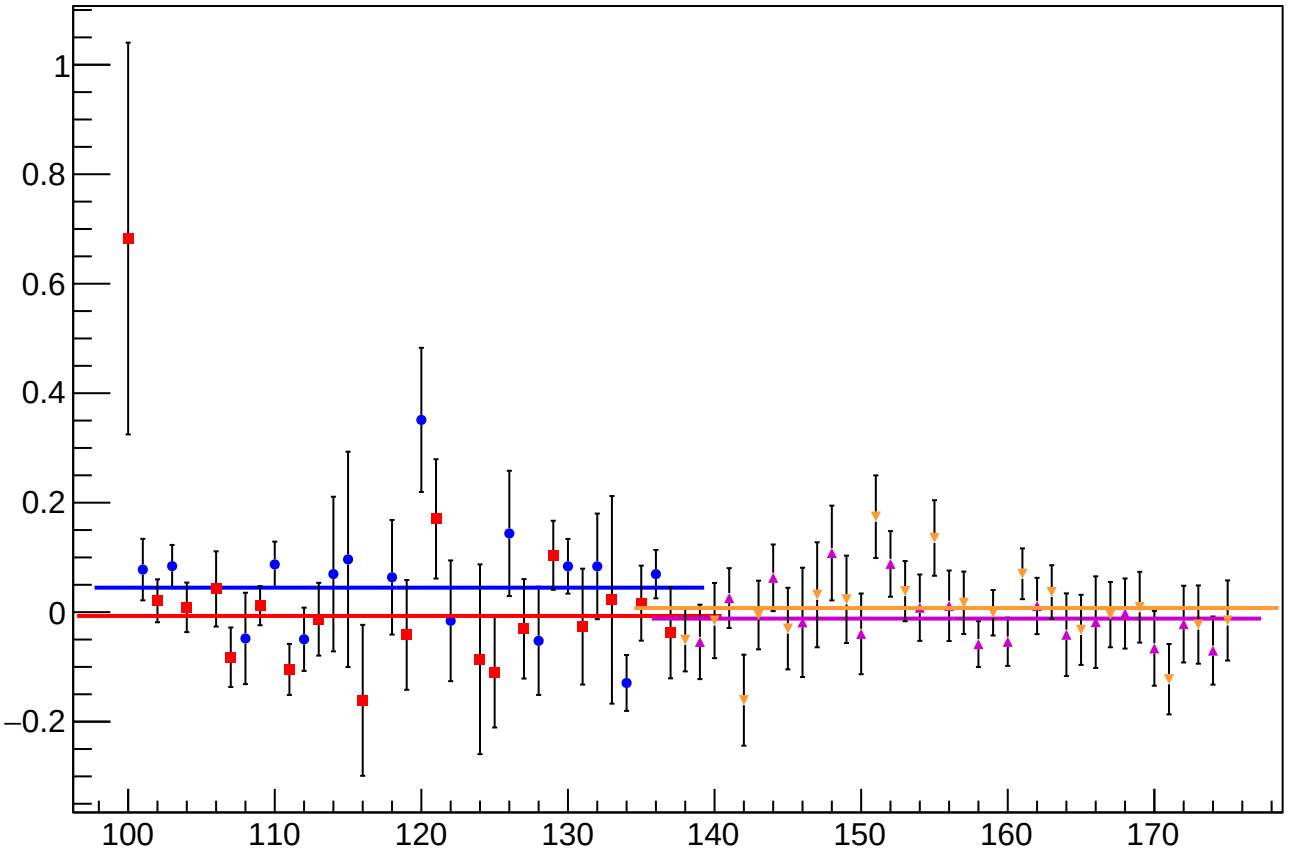
Left: 53.628+/-0.007 χ^2/NDF: 2298368.0/37

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.470+/-0.008 χ^2/NDF:3672915.0/33

Out: 45.651+/-0.007 χ^2/NDF:4512637.8/38

All: 46.511+/-0.005 χ^2/NDF: 8215649.0/72



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

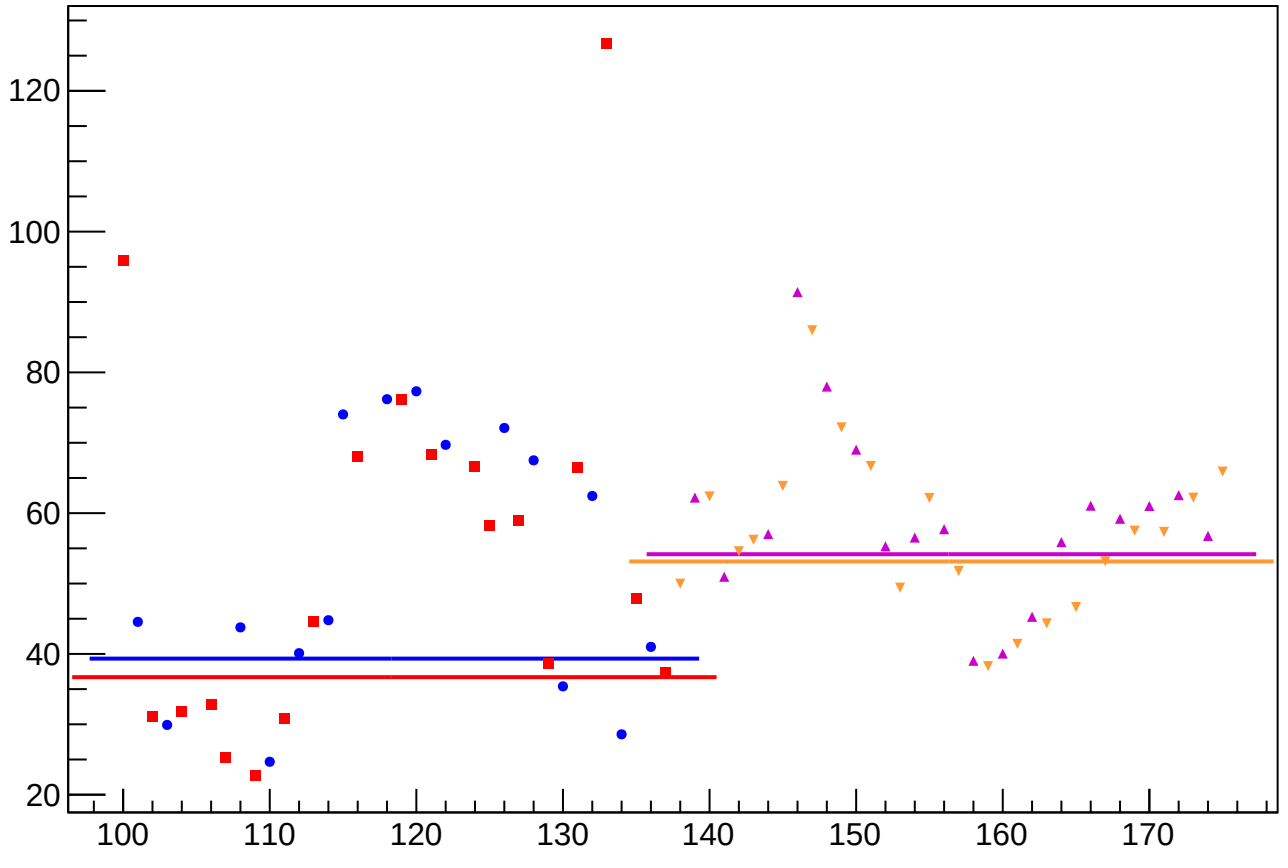
Left: -0.002+/-0.010 χ^2/NDF: 33.8/37

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.007+/-0.007 χ^2/NDF: 87.7/72



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

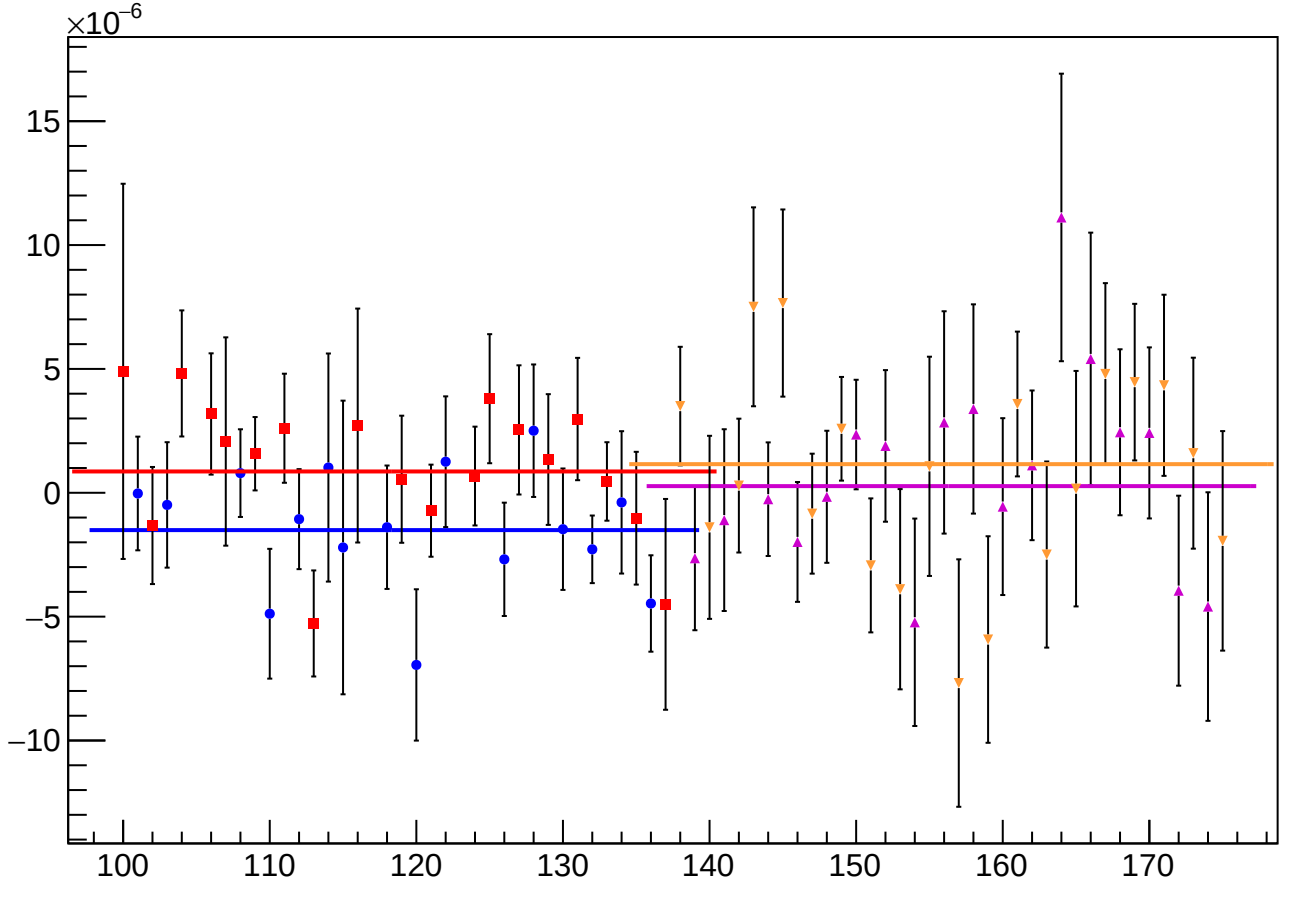
Left: 53.628+/-0.007 χ^2/NDF: 2298368.0/37

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.470+/-0.008 χ^2/NDF:3672915.0/33

Out: 45.651+/-0.007 χ^2/NDF:4512637.8/38

All: 46.511+/-0.005 χ^2/NDF: 8215649.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

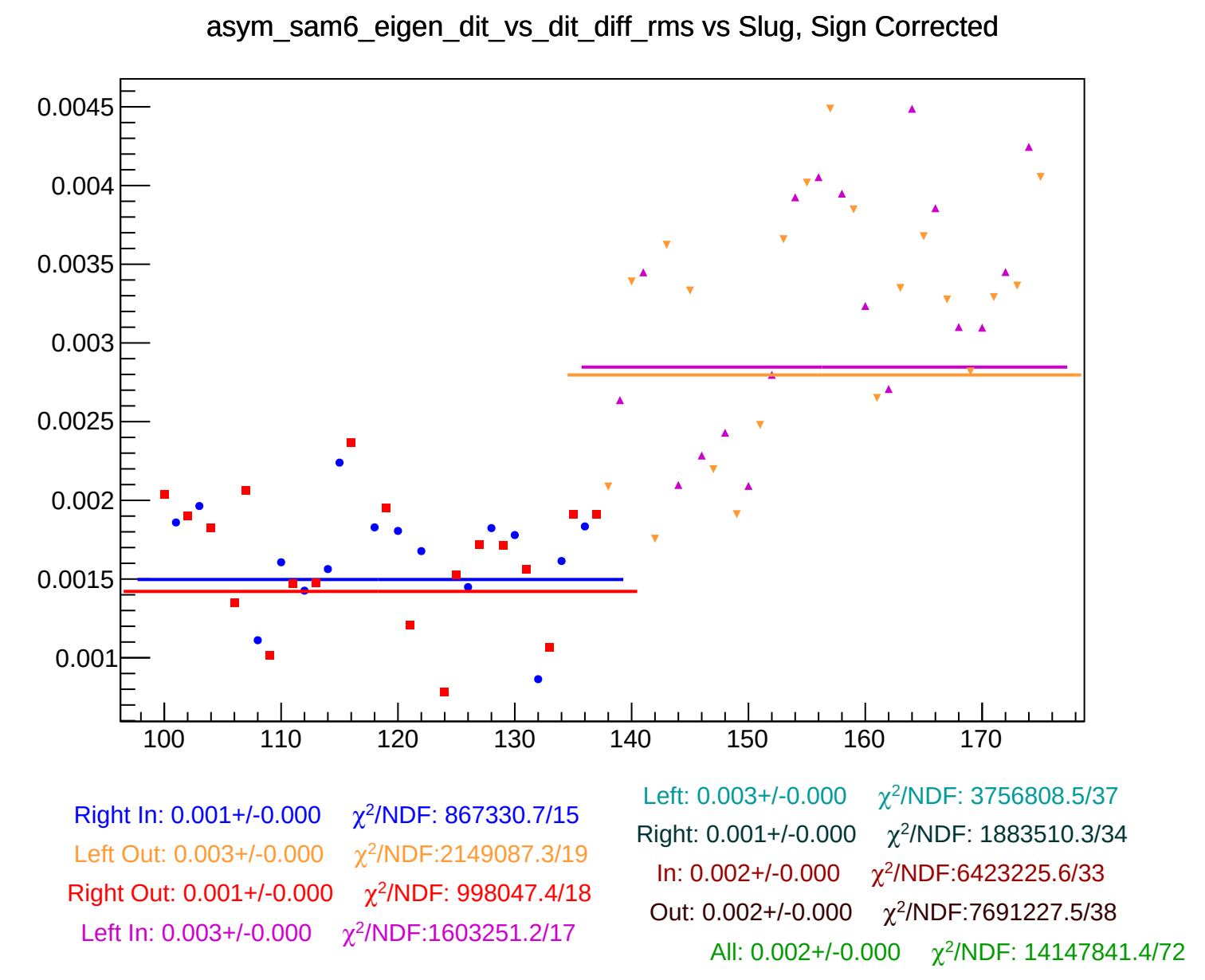
Left: 0.000+/-0.000 χ^2/NDF: 37.4/37

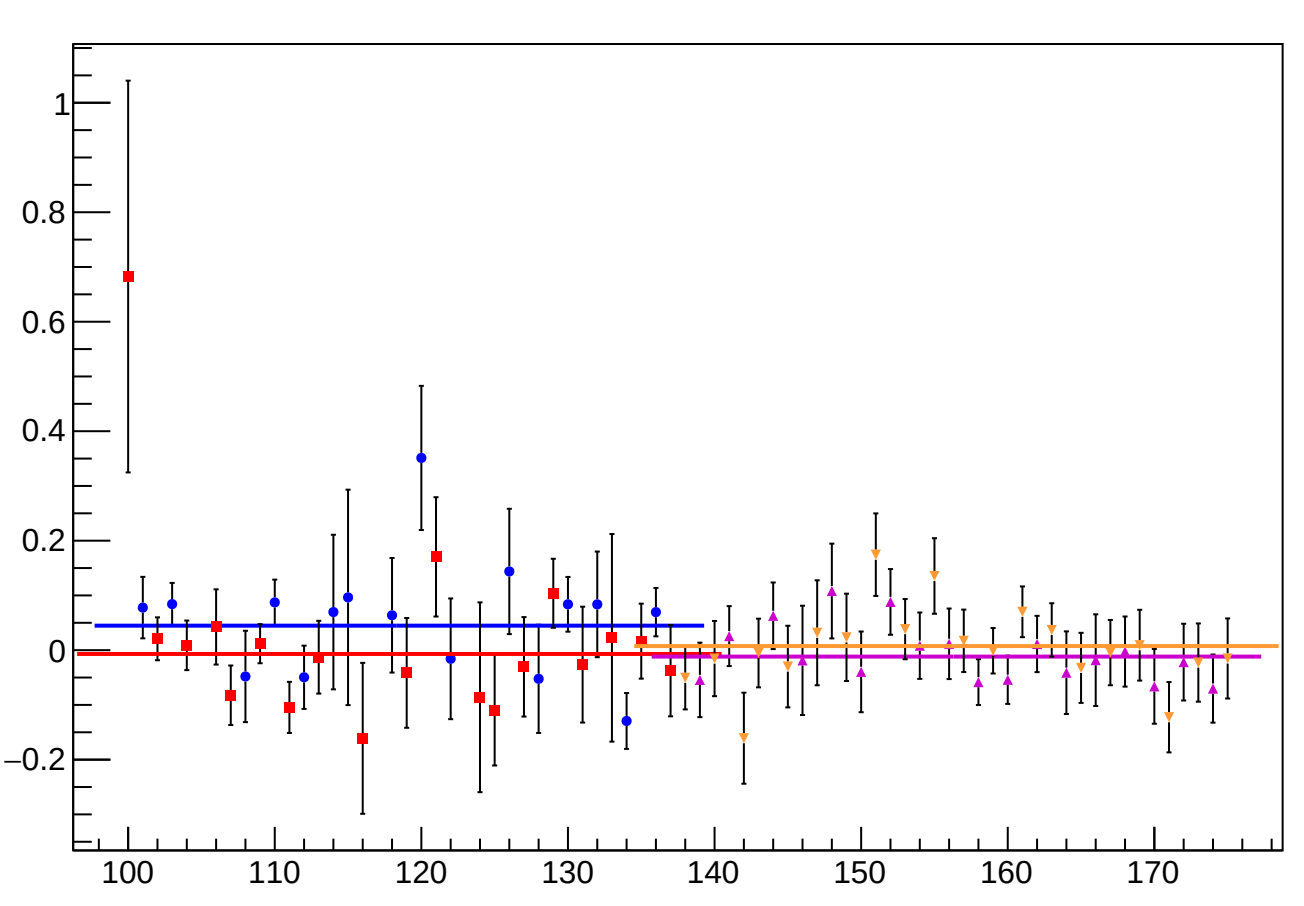
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:30.9/33

Out: 0.000+/-0.000 χ^2/NDF:42.3/38

All: 0.000+/-0.000 χ^2/NDF: 81.4/72


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2149087.3/19
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1603251.2/17
Left: 0.003+/-0.000 χ²/NDF: 3756808.5/37
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:6423225.6/33
Out: 0.002+/-0.000 χ²/NDF:7691227.5/38
All: 0.002+/-0.000 χ²/NDF: 14147841.4/72



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

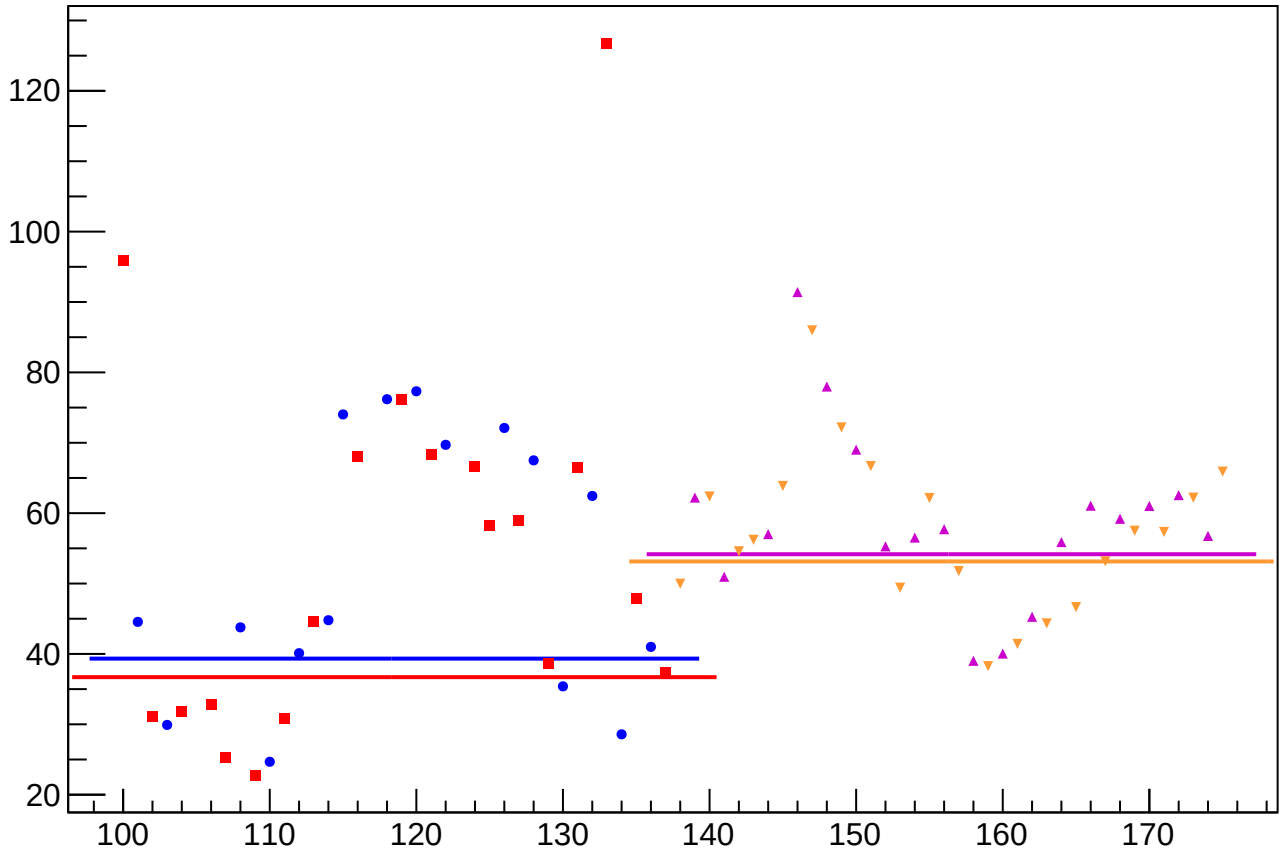
Left: -0.002+/-0.010 χ^2/NDF: 33.8/37

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.007+/-0.007 χ^2/NDF: 87.7/72



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

Left: 53.627+/-0.007 χ^2/NDF: 2298595.9/37

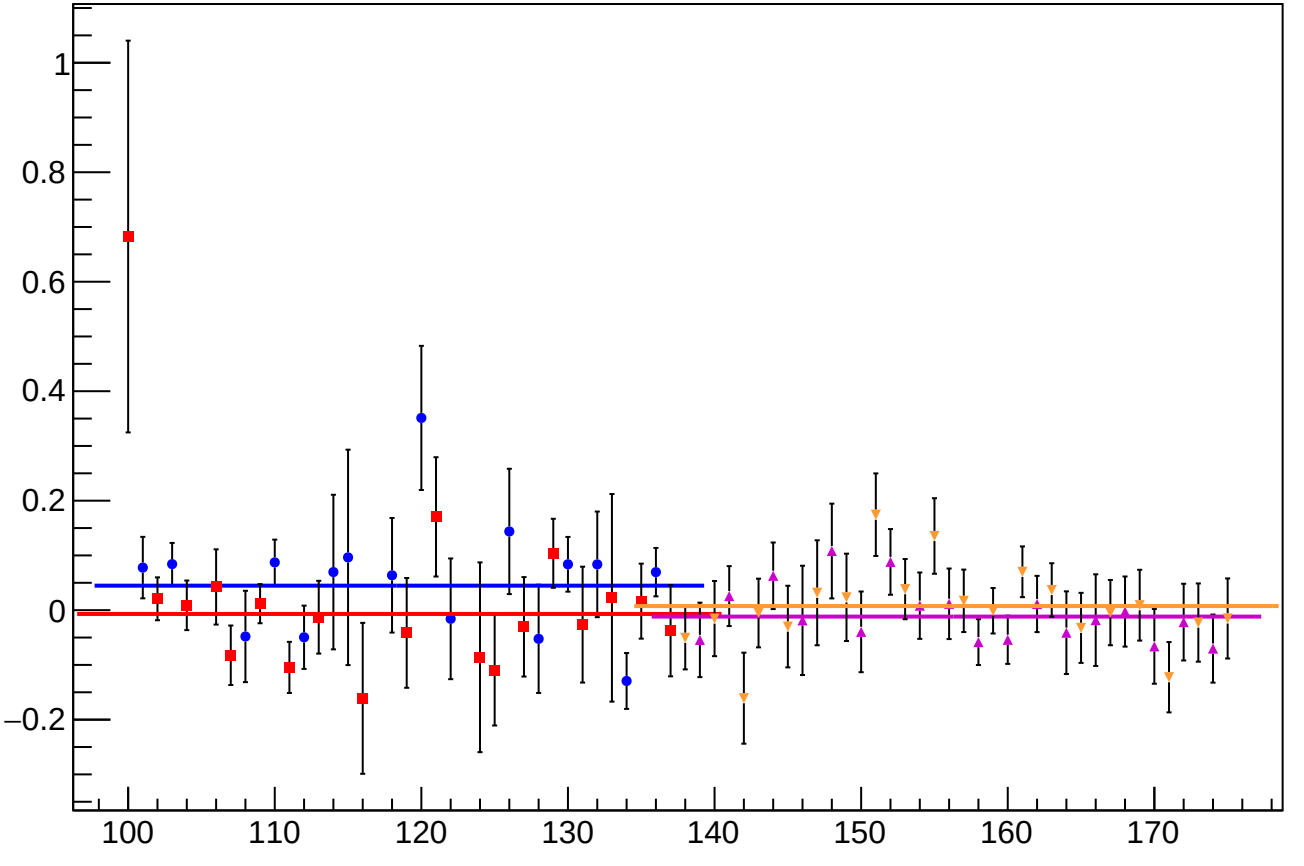
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.469+/-0.008 χ^2/NDF:3673013.0/33

Out: 45.650+/-0.007 χ^2/NDF:4512636.0/38

All: 46.510+/-0.005 χ^2/NDF: 8215737.2/72

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

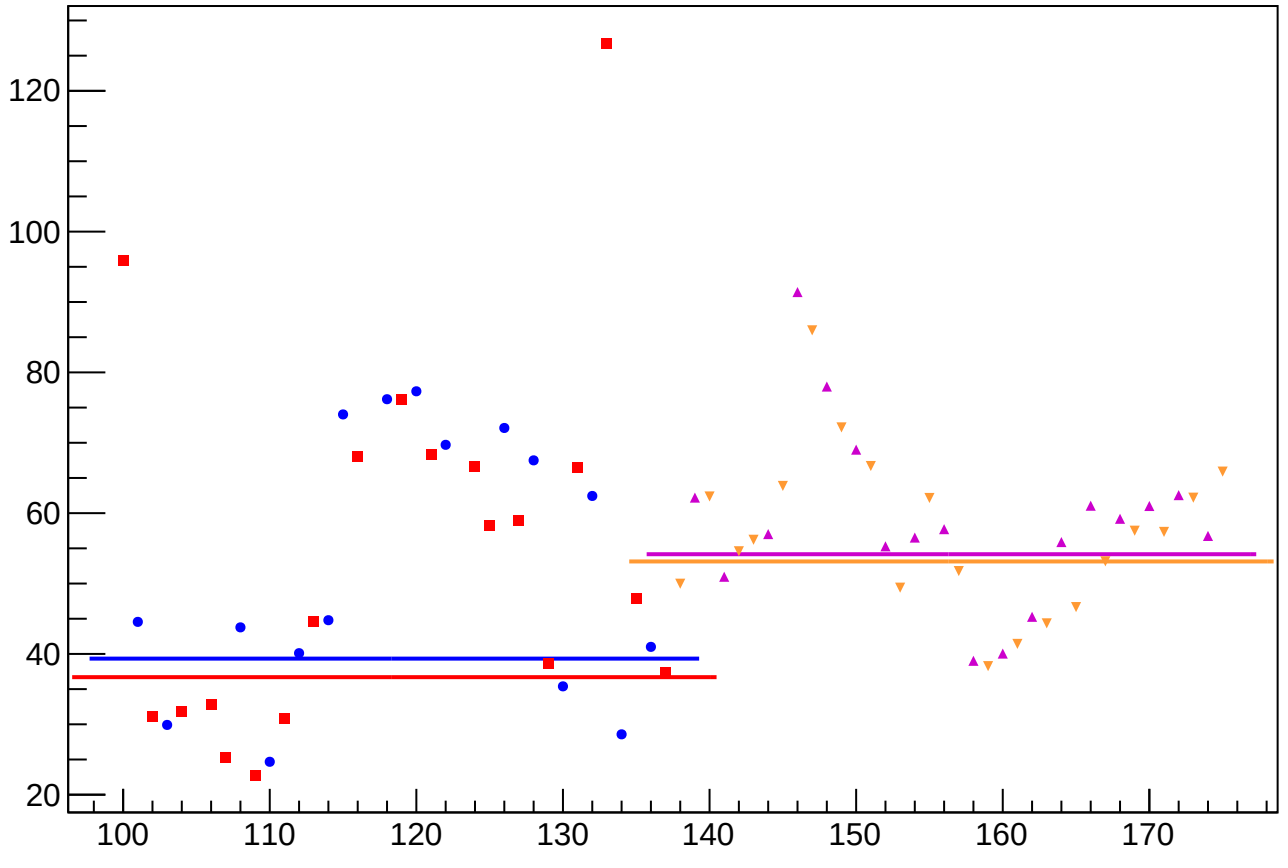
Left: -0.002+/-0.010 χ^2/NDF: 33.8/37

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.007+/-0.007 χ^2/NDF: 87.7/72



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

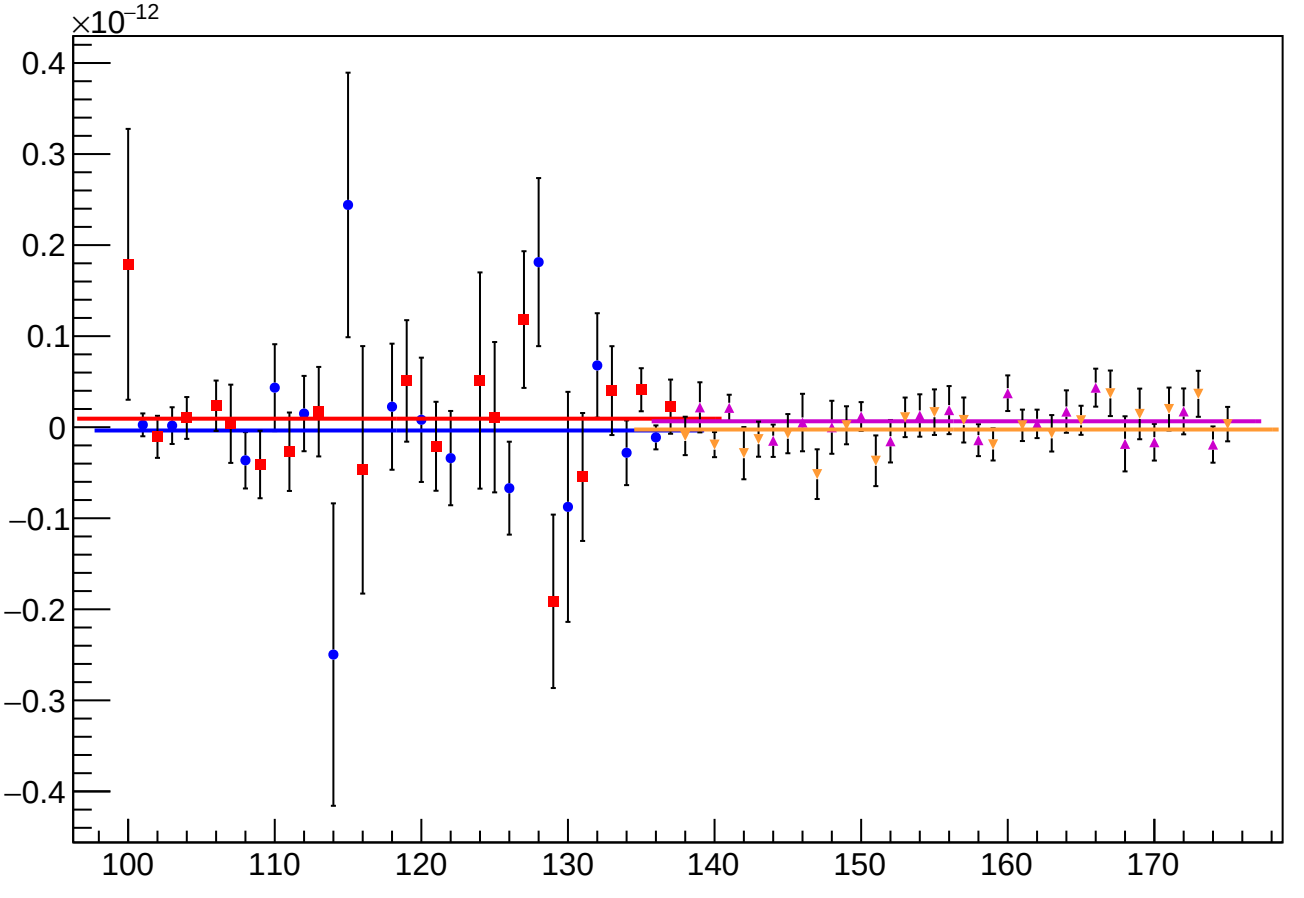
Left: 53.627+/-0.007 χ^2/NDF: 2298595.9/37

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.469+/-0.008 χ^2/NDF:3673013.0/33

Out: 45.650+/-0.007 χ^2/NDF:4512636.0/38

All: 46.510+/-0.005 χ^2/NDF: 8215737.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/17

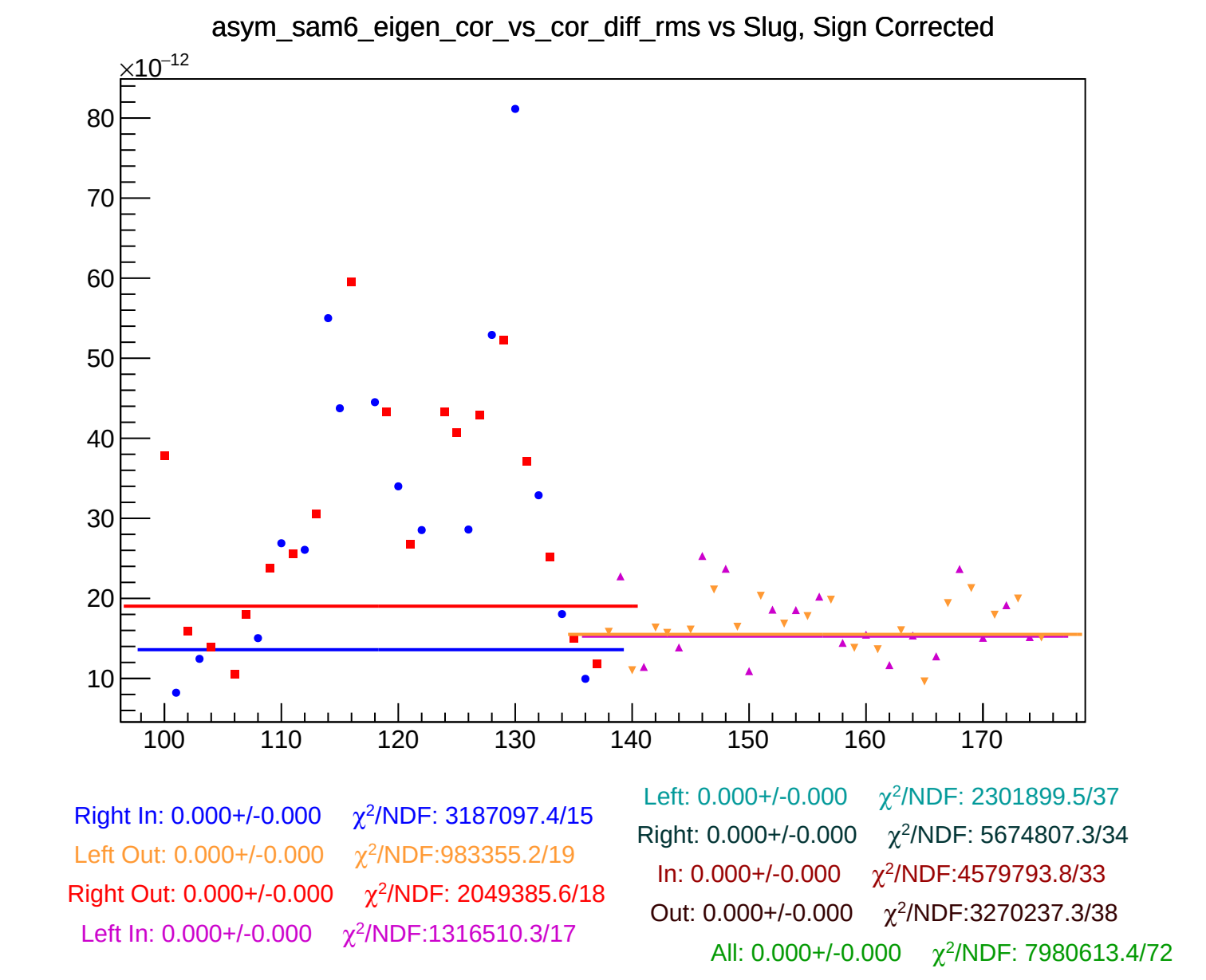
Left: 0.000+/-0.000 χ^2/NDF: 33.4/37

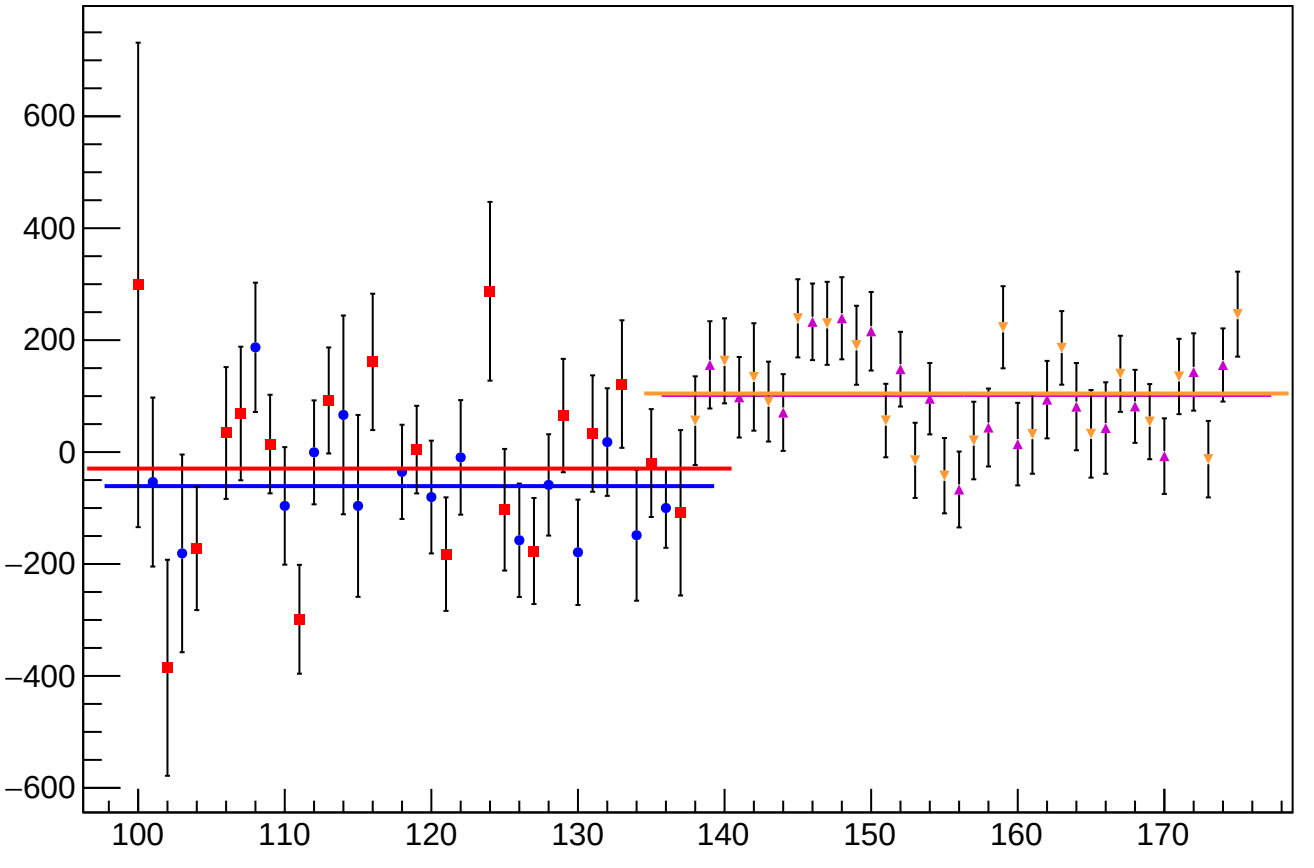
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:33.1/33

Out: -0.000+/-0.000 χ^2/NDF:33.5/38

All: 0.000+/-0.000 χ^2/NDF: 67.0/72


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:983355.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1316510.3/17
Left: 0.000+/-0.000 χ²/NDF: 2301899.5/37
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4579793.8/33
Out: 0.000+/-0.000 χ²/NDF:3270237.3/38
All: 0.000+/-0.000 χ²/NDF: 7980613.4/72



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 102.041+/-16.504 χ^2/NDF:23.6/17

Left: 103.402+/-11.468 χ^2/NDF: 56.2/37

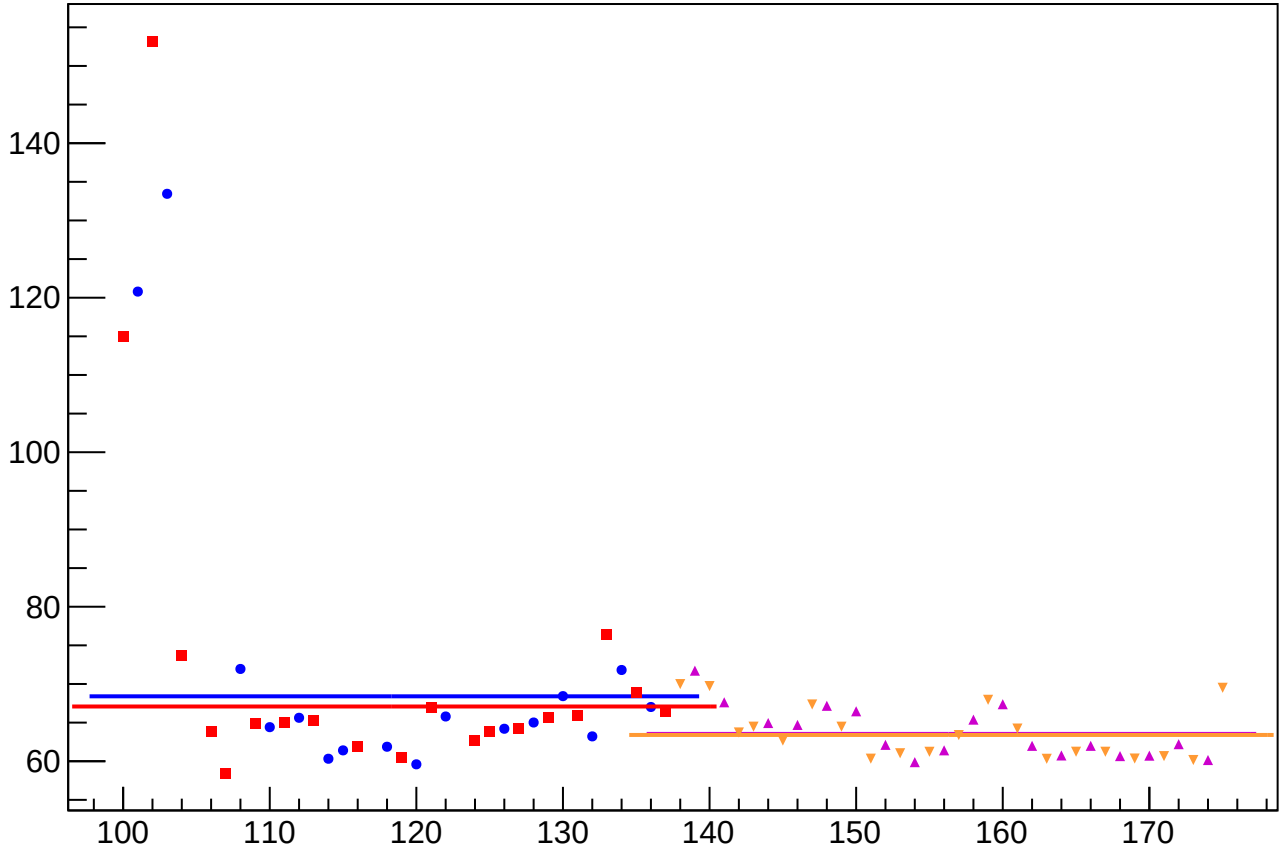
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 55.396+/-13.942 χ^2/NDF:62.1/33

Out: 66.116+/-13.461 χ^2/NDF:84.1/38

All: 60.944+/-9.684 χ^2/NDF: 146.5/72

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

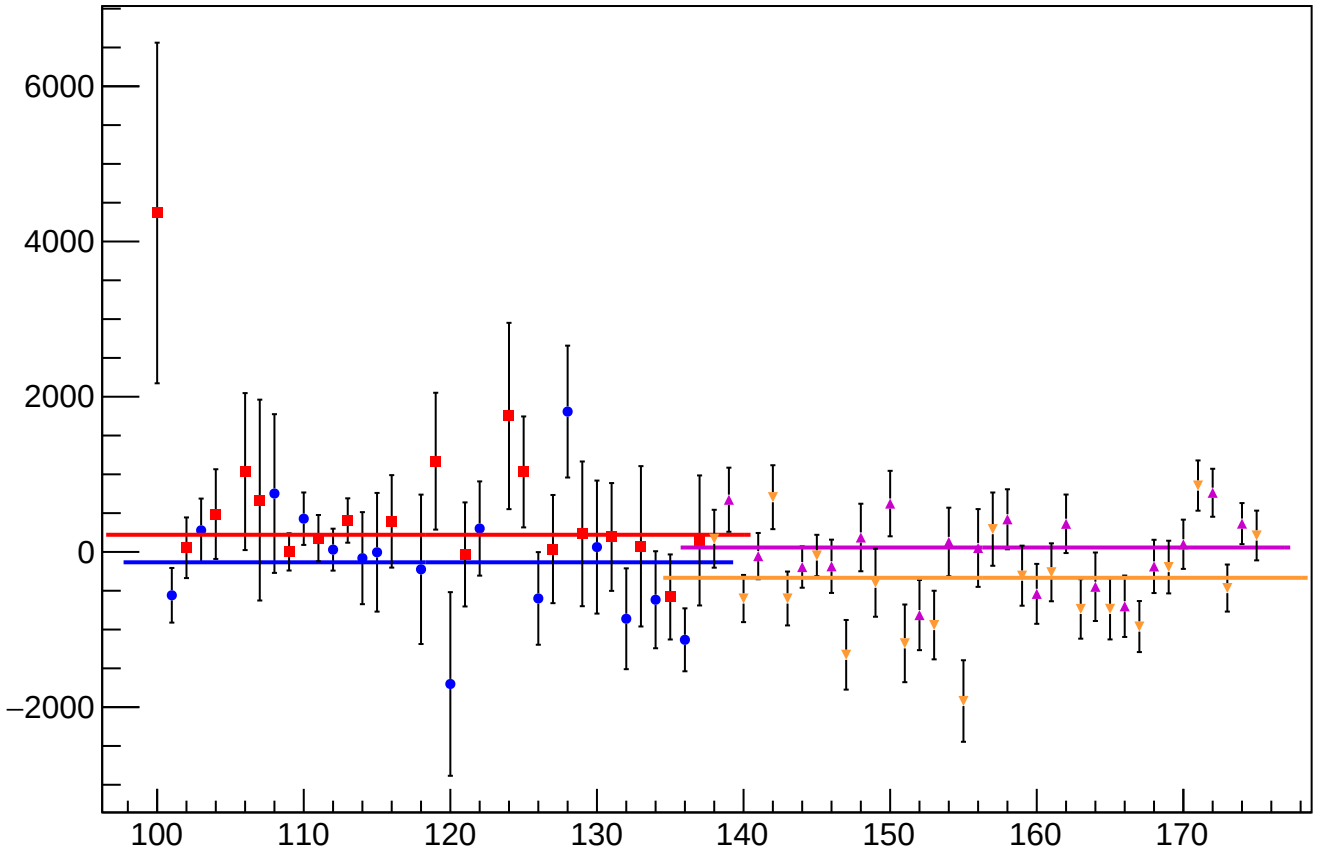
Left: 63.467+/-0.008 χ^2/NDF: 156642.2/37

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 64.930+/-0.010 χ^2/NDF:691695.6/33

Out: 64.461+/-0.010 χ^2/NDF:596736.5/38

All: 64.687+/-0.007 χ^2/NDF: 1289599.9/72



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.321+/-81.949 χ^2/NDF:53.8/19

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 56.915+/-84.607 χ^2/NDF:25.4/17

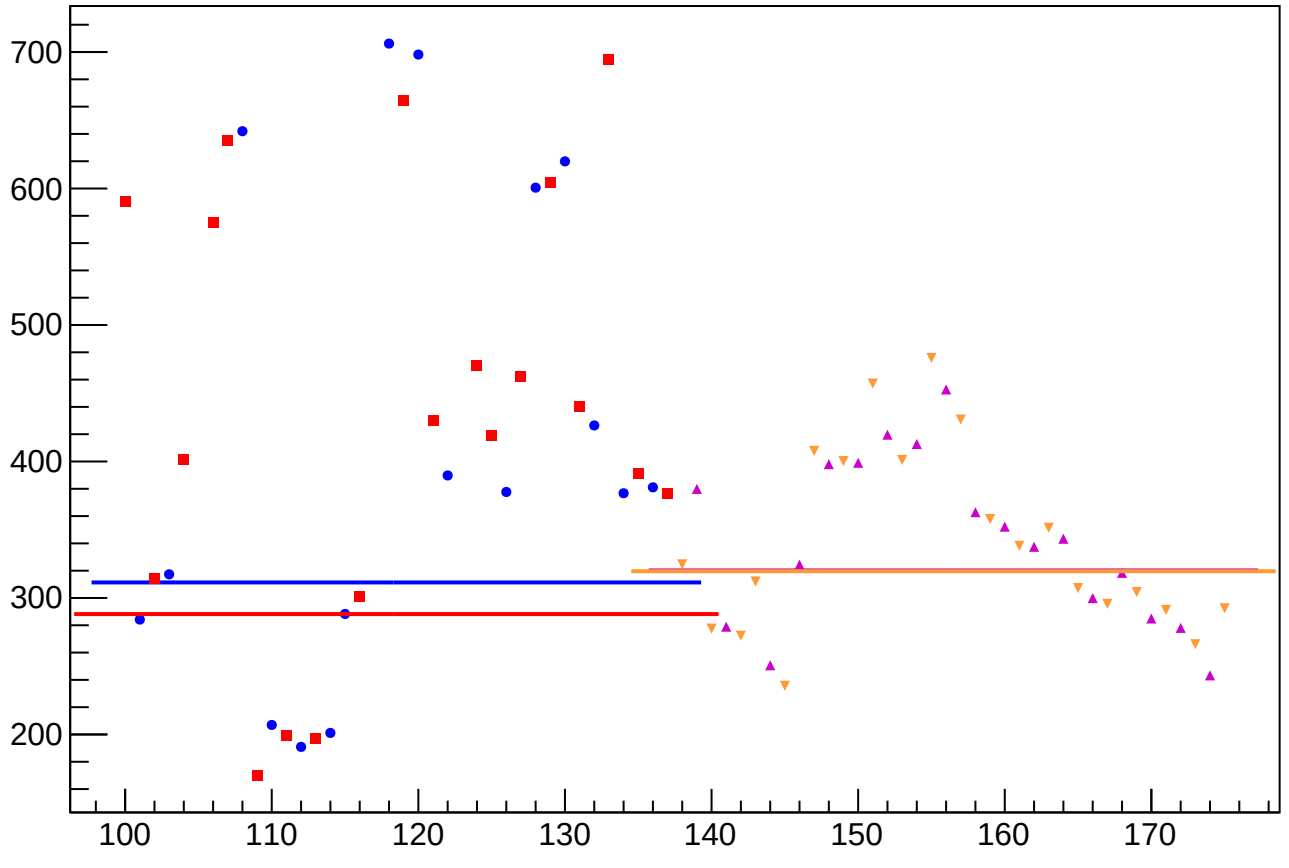
Left: -144.430+/-58.864 χ^2/NDF: 90.1/37

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -2.351+/-70.224 χ^2/NDF:49.4/33

Out: -152.403+/-67.269 χ^2/NDF:81.3/38

All: -80.601+/-48.577 χ^2/NDF: 133.1/72



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062879.9/19

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 320.201+/-0.060 χ^2/NDF:958829.8/17

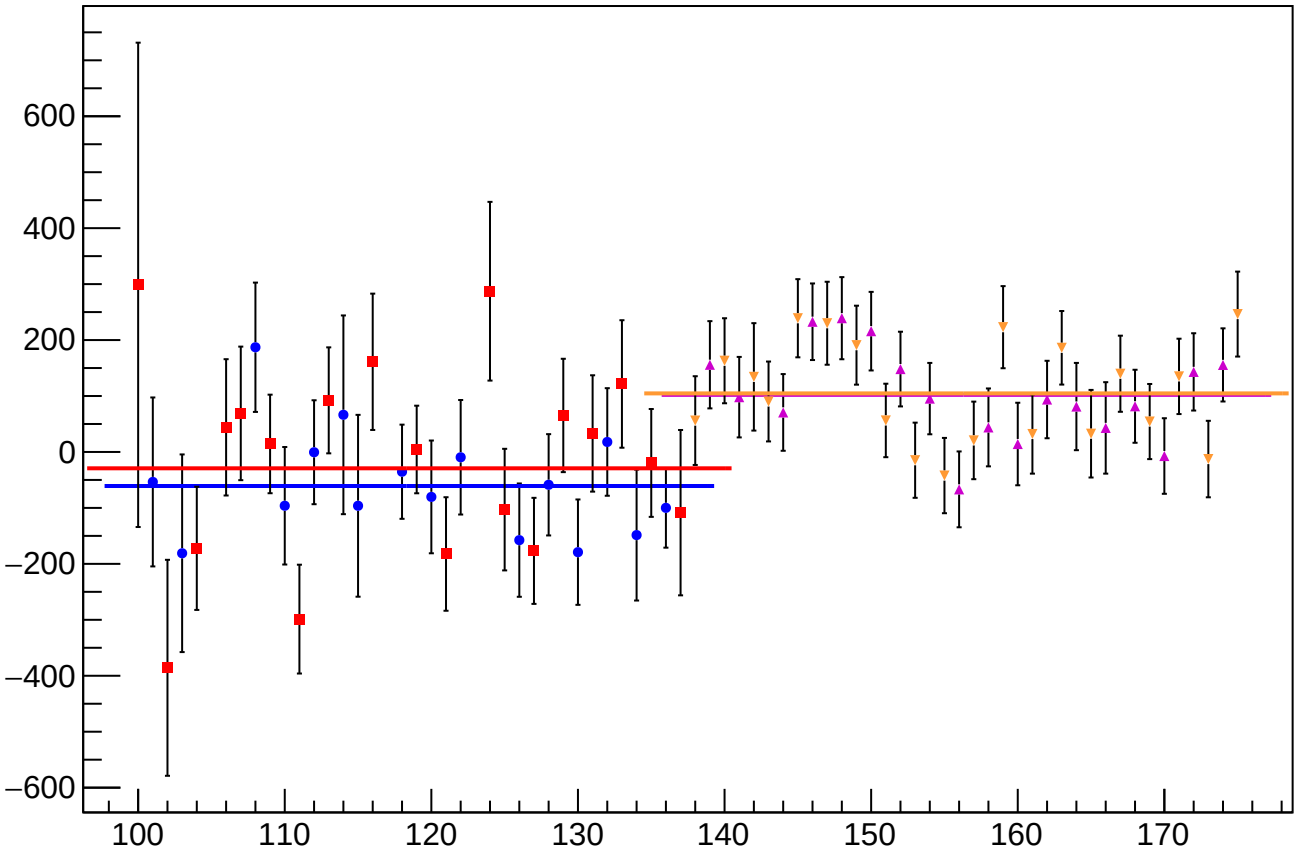
Left: 319.896+/-0.042 χ^2/NDF: 2021760.3/37

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 317.459+/-0.050 χ^2/NDF:3089381.5/33

Out: 309.366+/-0.048 χ^2/NDF:3874067.4/38

All: 313.238+/-0.034 χ^2/NDF: 6977301.7/72



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 102.038+/-16.504 χ^2/NDF:23.6/17

Left: 103.401+/-11.468 χ^2/NDF: 56.2/37

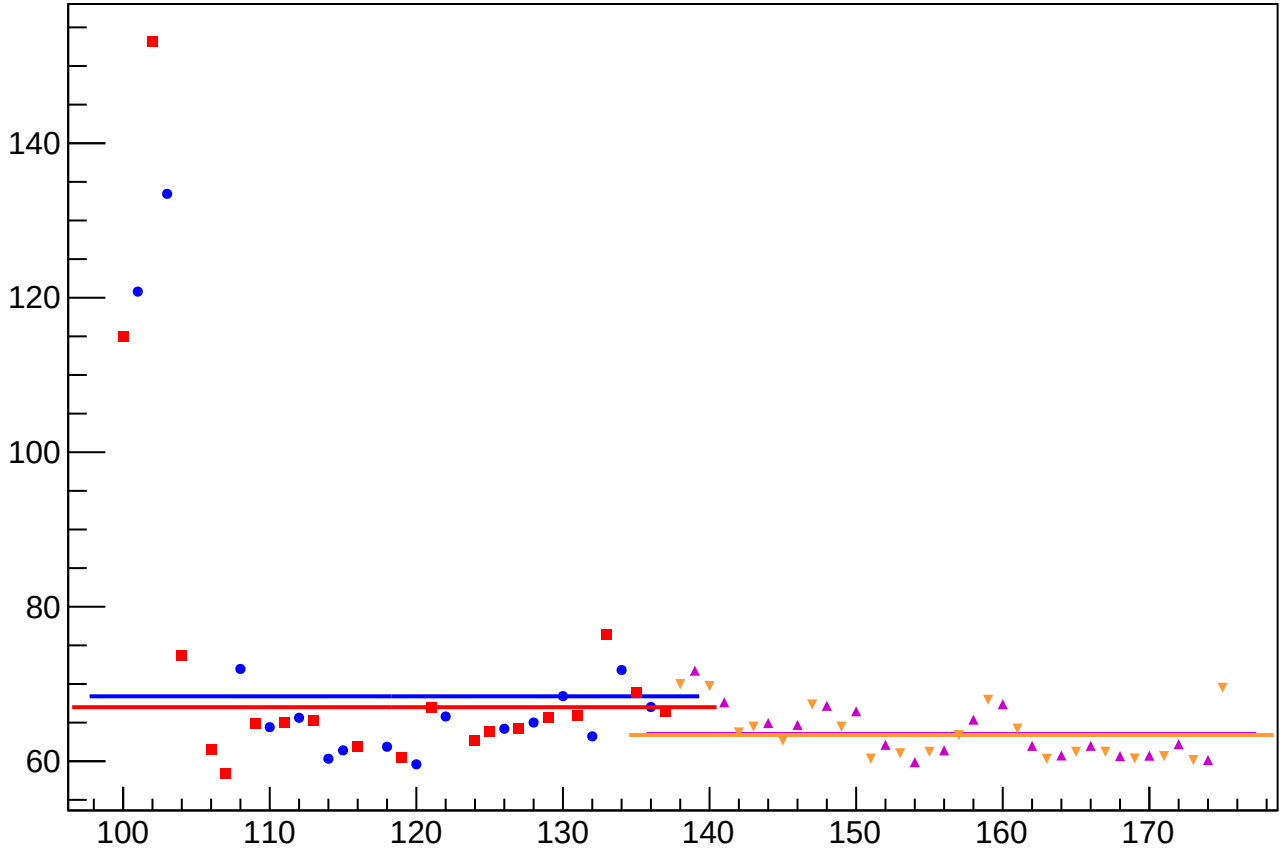
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.393+/-13.942 χ^2/NDF:62.1/33

Out: 66.265+/-13.466 χ^2/NDF:84.1/38

All: 61.017+/-9.686 χ^2/NDF: 146.5/72

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

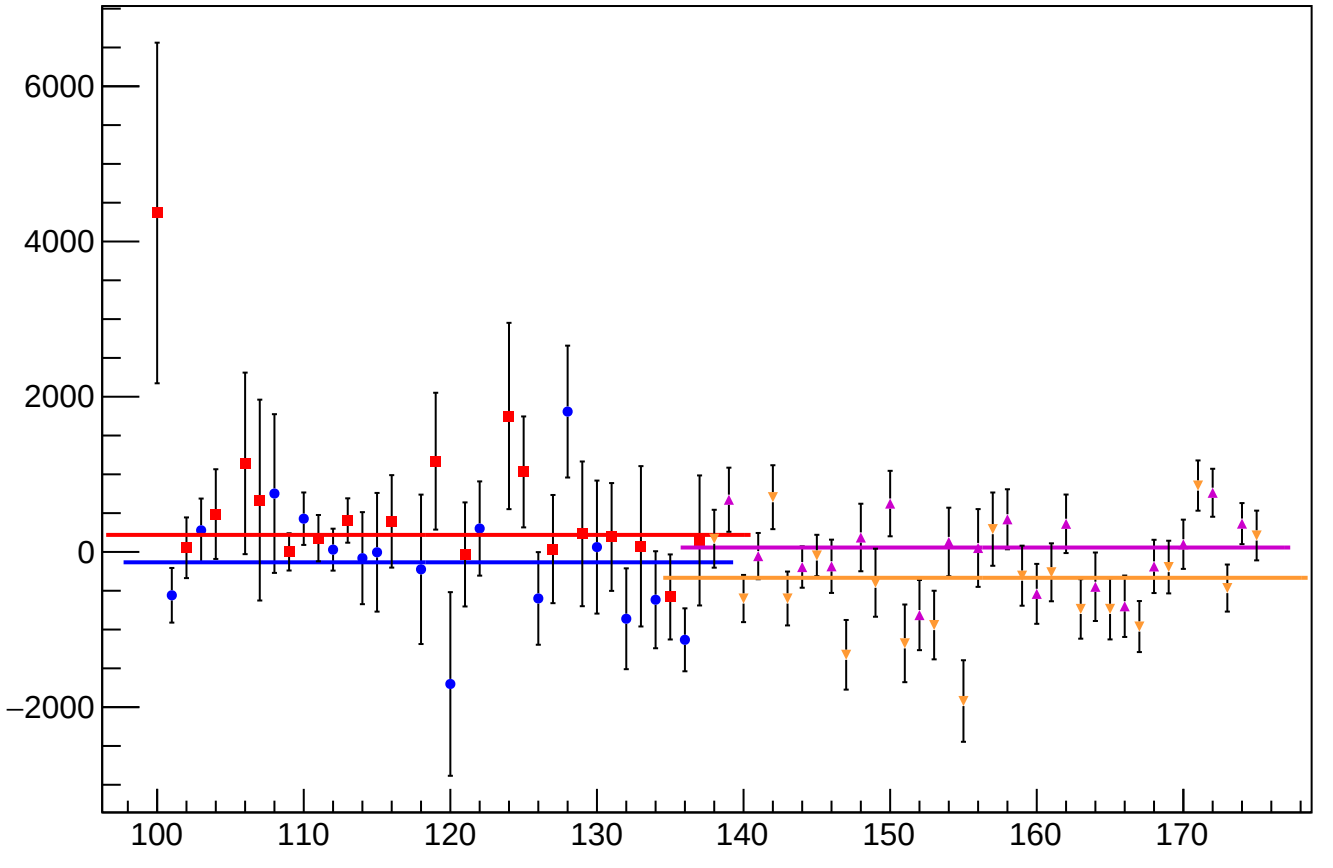
Left: 63.467+/-0.008 χ^2/NDF: 156642.2/37

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.930+/-0.010 χ^2/NDF:691695.9/33

Out: 64.433+/-0.010 χ^2/NDF:597848.2/38

All: 64.673+/-0.007 χ^2/NDF: 1290857.3/72



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 56.907+/-84.607 χ^2/NDF:25.4/17

Left: -144.434+/-58.864 χ^2/NDF: 90.1/37

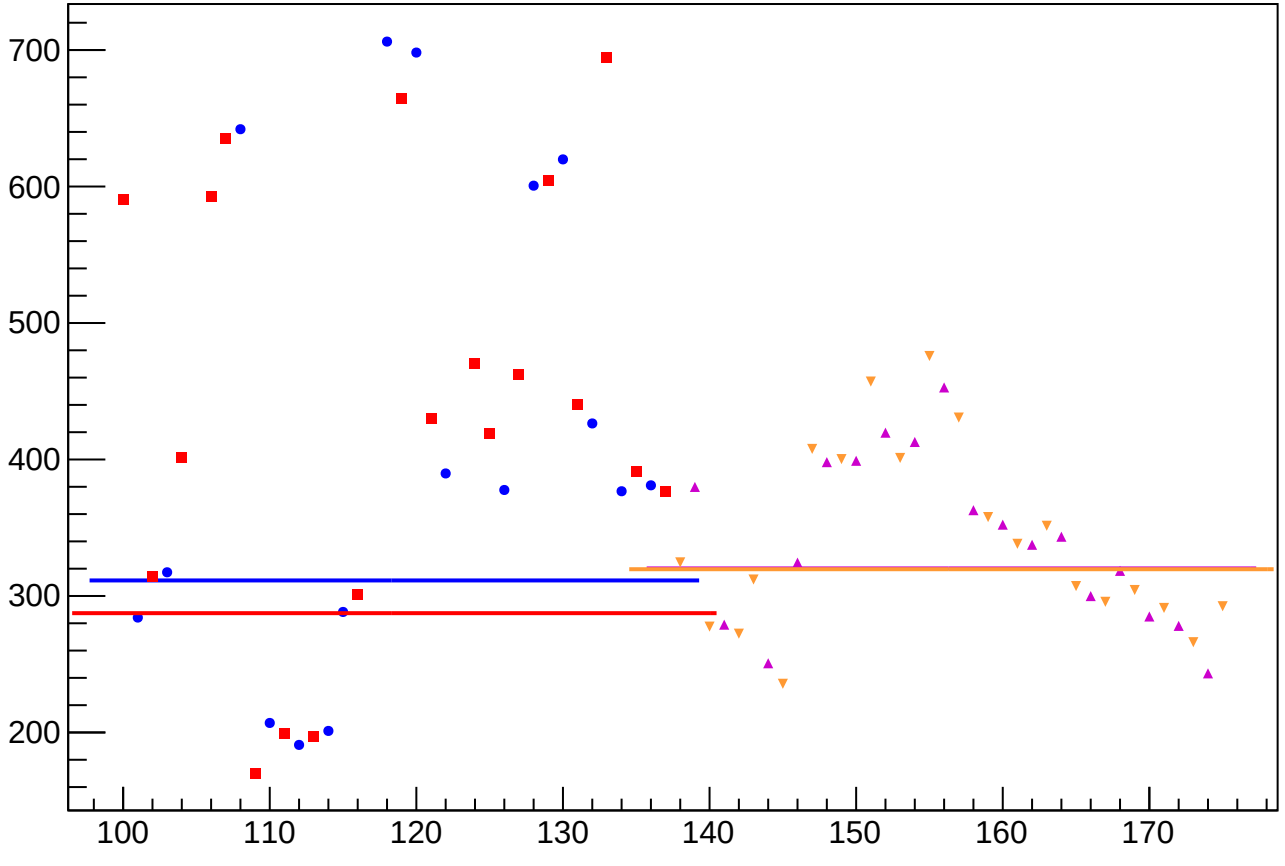
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -2.354+/-70.224 χ^2/NDF:49.4/33

Out: -153.388+/-67.307 χ^2/NDF:81.1/38

All: -81.073+/-48.592 χ^2/NDF: 133.0/72

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

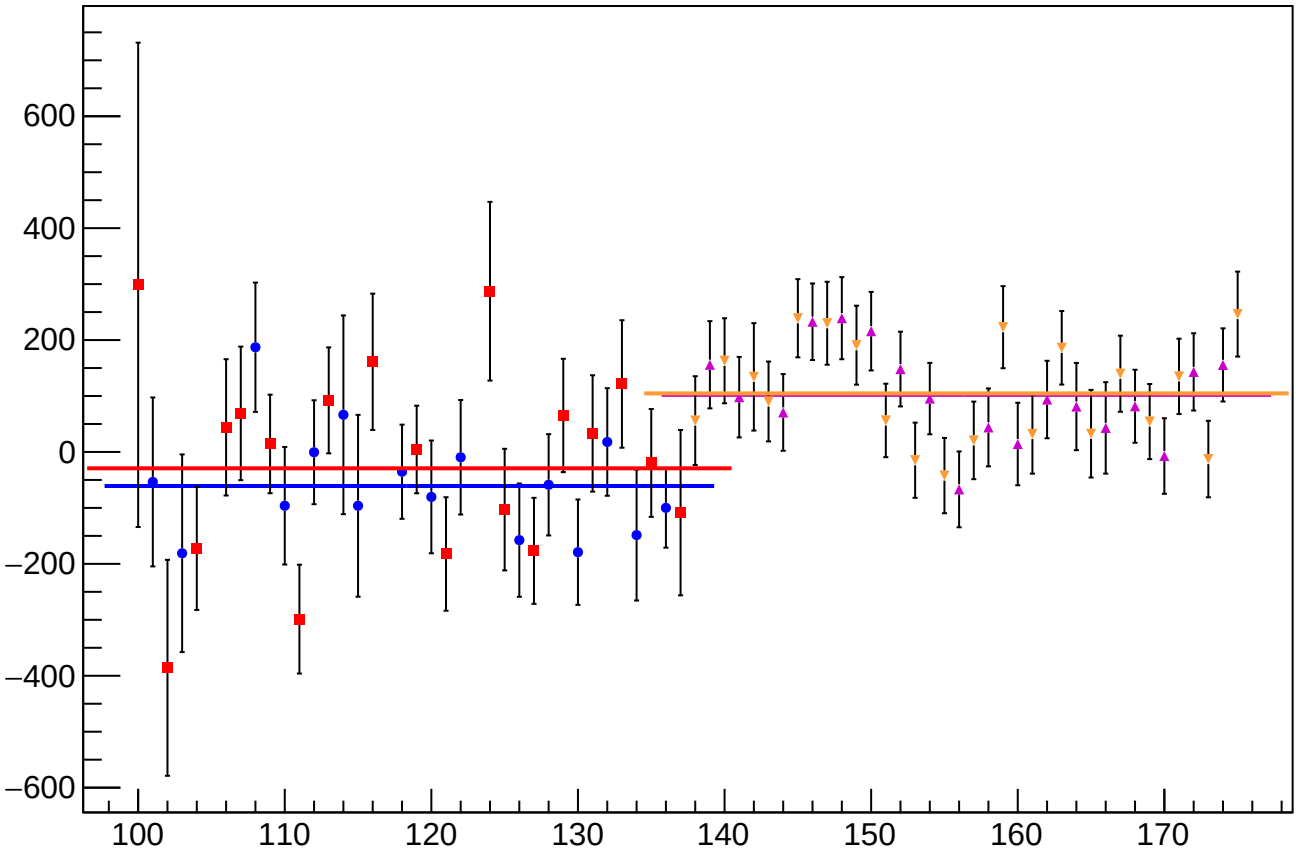
Left: 319.896+/-0.042 χ^2/NDF: 2021771.3/37

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.459+/-0.050 χ^2/NDF:3089386.7/33

Out: 309.132+/-0.048 χ^2/NDF:3853601.4/38

All: 313.119+/-0.034 χ^2/NDF: 6957645.6/72



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 102.038+/-16.504 χ^2/NDF:23.6/17

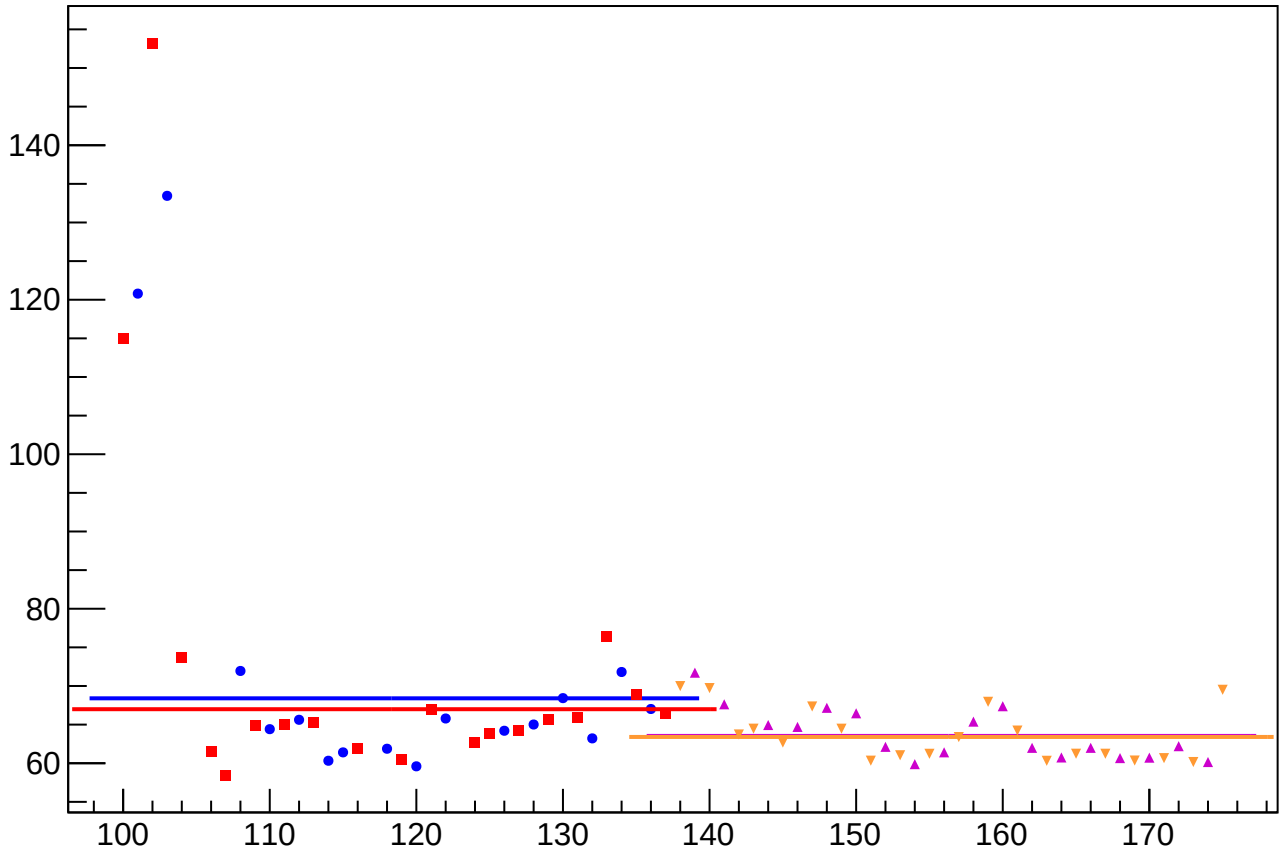
Left: 103.401+/-11.468 χ^2/NDF: 56.2/37

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.393+/-13.942 χ^2/NDF:62.1/33

Out: 66.265+/-13.466 χ^2/NDF:84.1/38

All: 61.017+/-9.686 χ^2/NDF: 146.5/72



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

Left: 63.467+/-0.008 χ^2/NDF: 156642.2/37

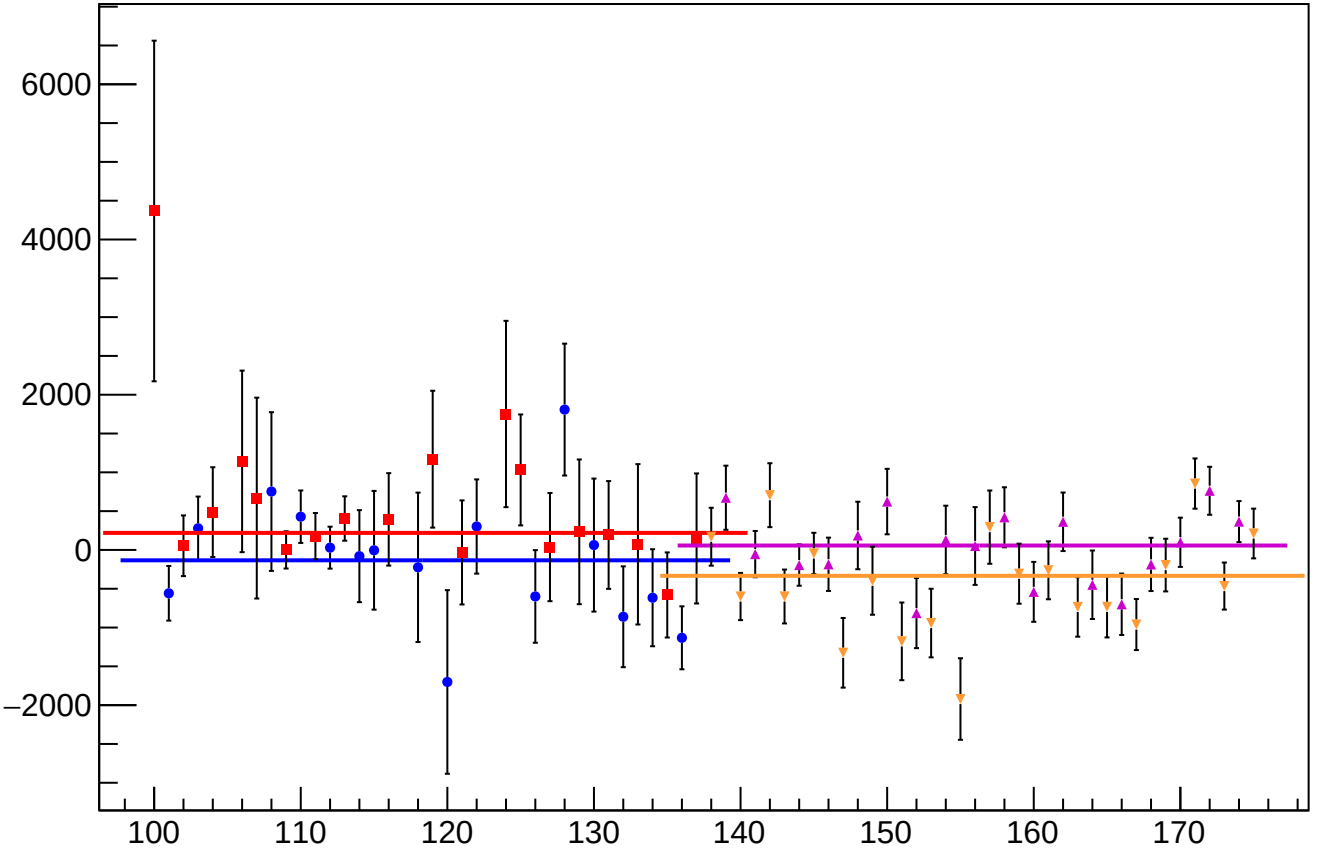
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.930+/-0.010 χ^2/NDF:691695.9/33

Out: 64.433+/-0.010 χ^2/NDF:597848.2/38

All: 64.673+/-0.007 χ^2/NDF: 1290857.3/72

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 56.907+/-84.607 χ^2/NDF:25.4/17

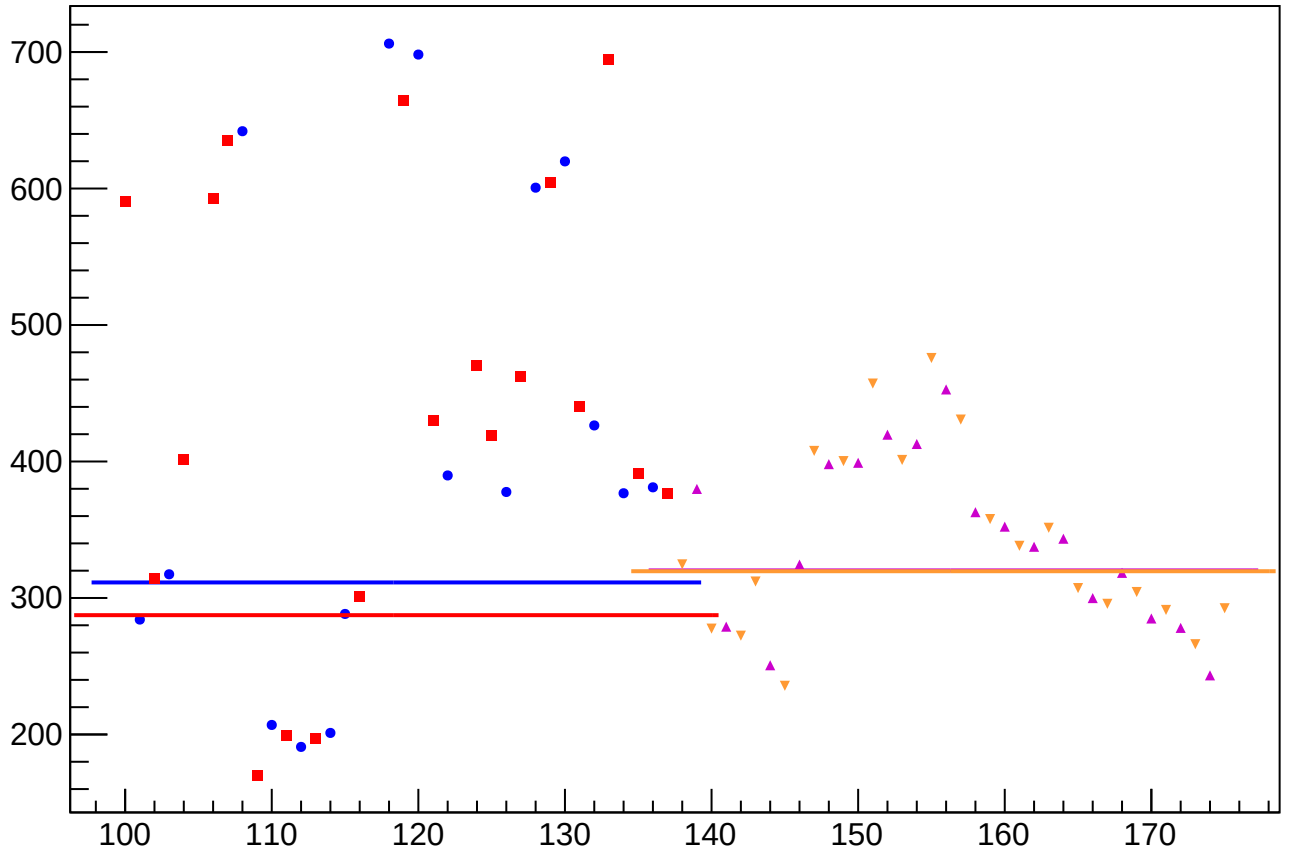
Left: -144.434+/-58.864 χ^2/NDF: 90.1/37

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -2.354+/-70.224 χ^2/NDF:49.4/33

Out: -153.388+/-67.307 χ^2/NDF:81.1/38

All: -81.073+/-48.592 χ^2/NDF: 133.0/72



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

Left: 319.896+/-0.042 χ^2/NDF: 2021771.3/37

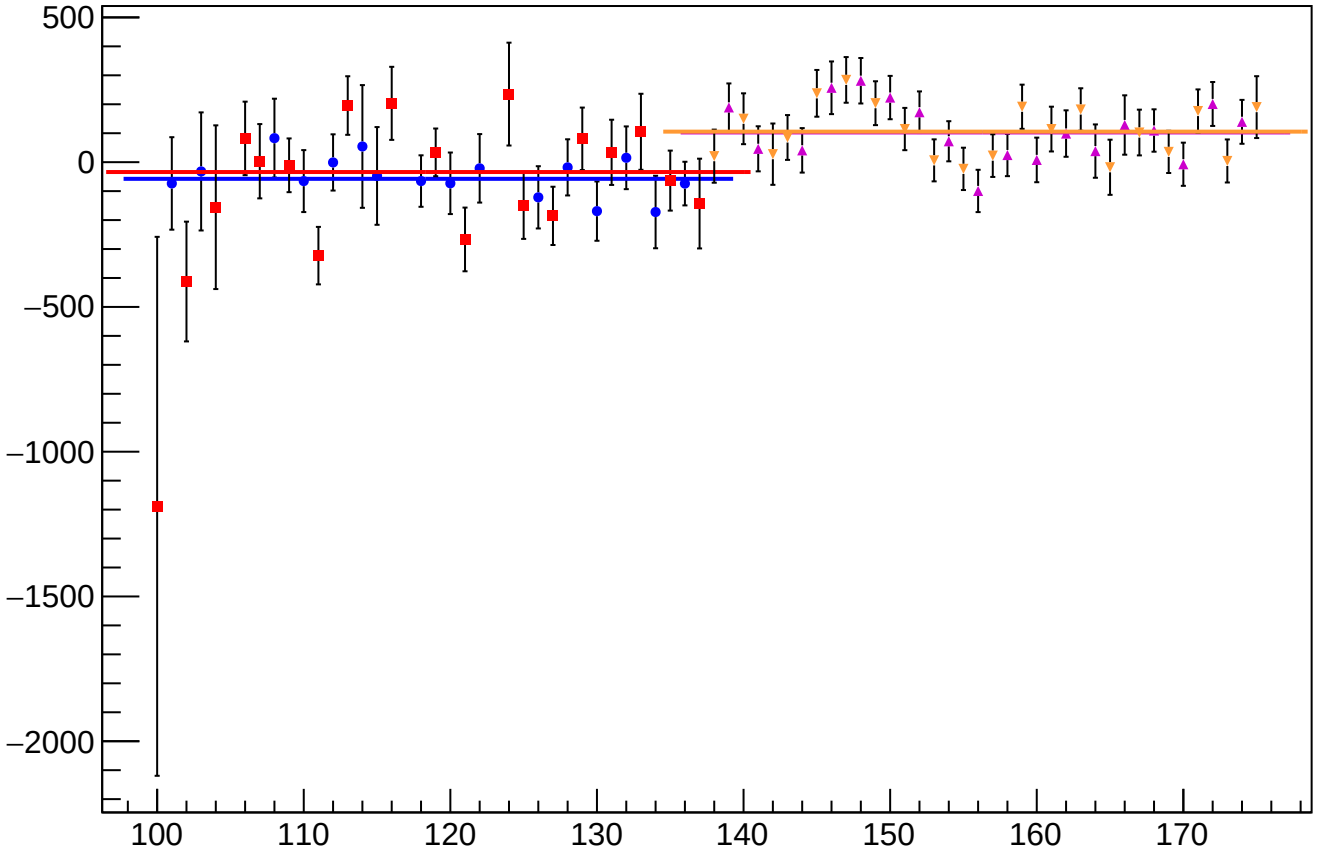
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.459+/-0.050 χ^2/NDF:3089386.7/33

Out: 309.132+/-0.048 χ^2/NDF:3853601.4/38

All: 313.119+/-0.034 χ^2/NDF: 6957645.6/72

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.499+/-17.750 χ^2/NDF:25.8/19

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.610+/-18.350 χ^2/NDF:29.0/17

Left: 104.102+/-12.758 χ^2/NDF: 54.8/37

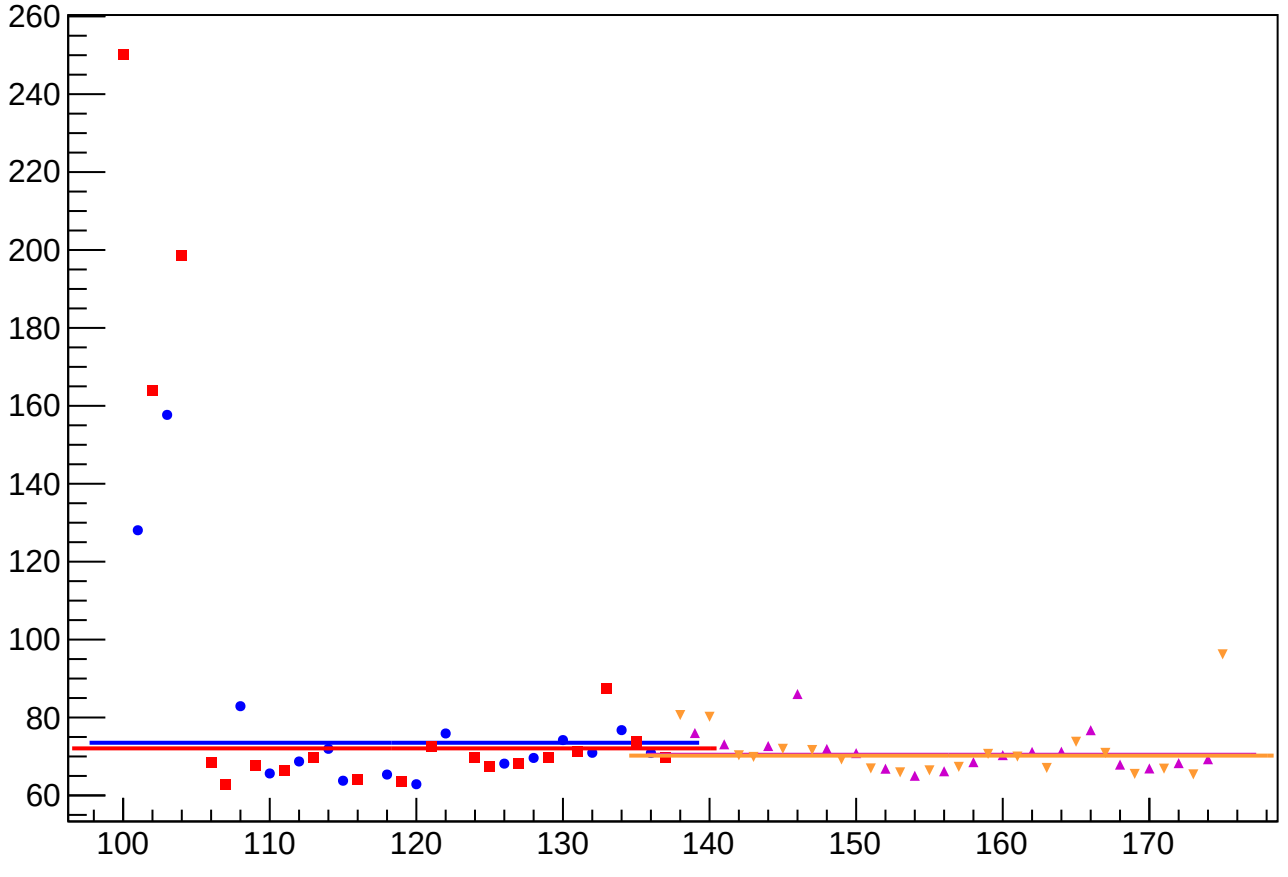
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 54.704+/-15.362 χ^2/NDF:56.7/33

Out: 64.248+/-14.897 χ^2/NDF:81.2/38

All: 59.623+/-10.694 χ^2/NDF: 138.1/72

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.218+/-0.013 χ^2/NDF:218976.6/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.437+/-0.013 χ^2/NDF:114585.4/17

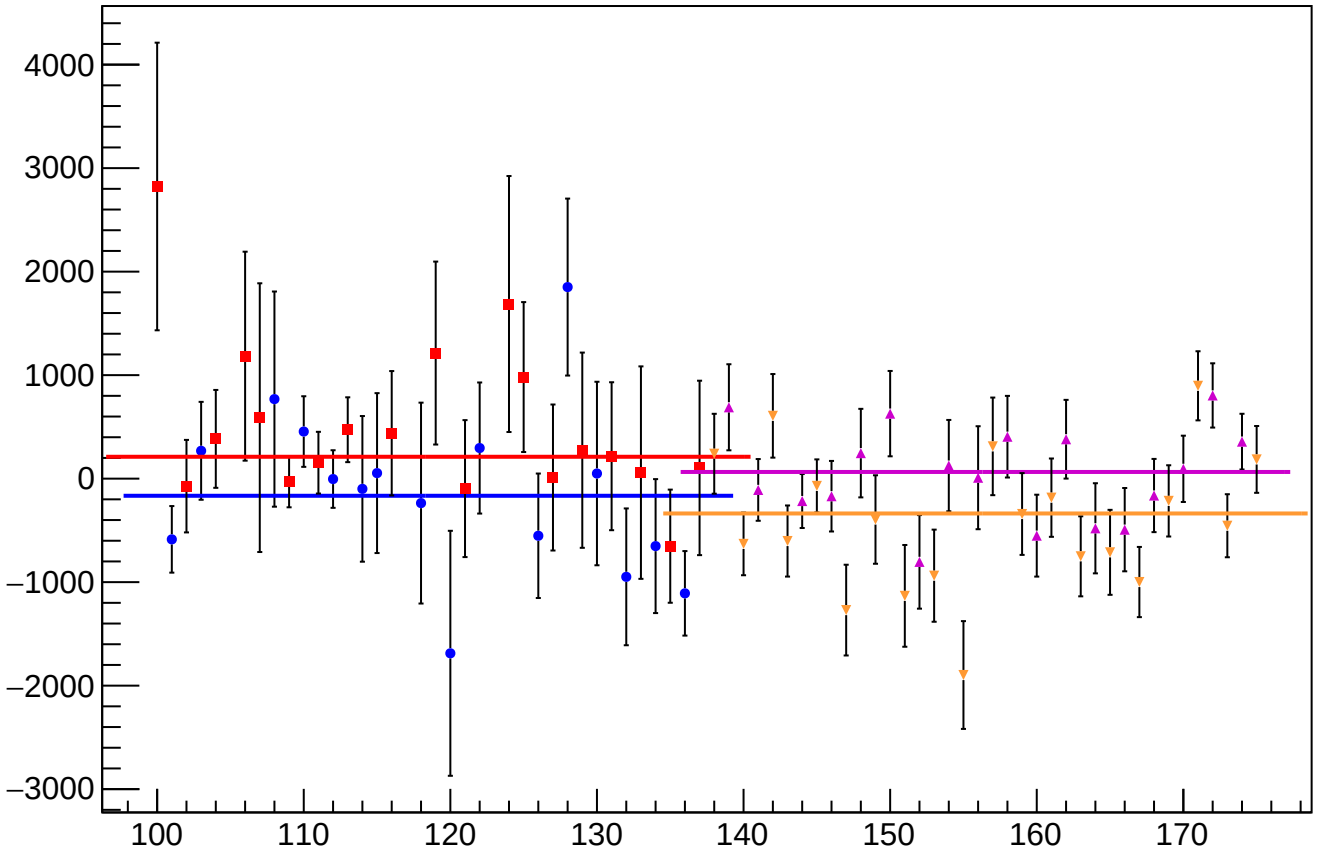
Left: 70.324+/-0.009 χ^2/NDF: 333709.4/37

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.359+/-0.011 χ^2/NDF:788305.9/33

Out: 70.767+/-0.011 χ^2/NDF:1183933.5/38

All: 71.054+/-0.008 χ^2/NDF: 1973771.9/72



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 64.518+/-84.858 χ^2/NDF:24.6/17

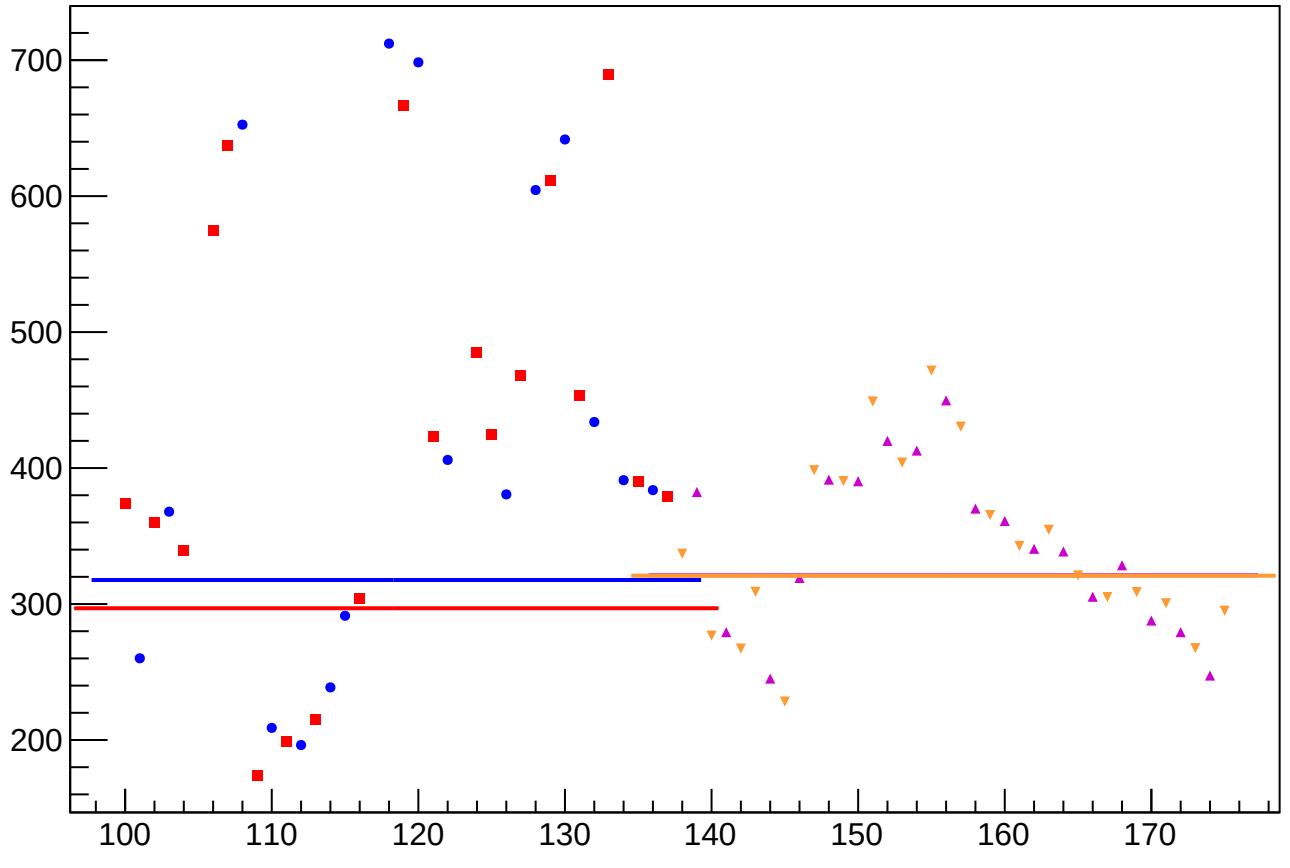
Left: -142.385+/-59.042 χ^2/NDF: 88.8/37

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -5.378+/-70.801 χ^2/NDF:49.5/33

Out: -161.795+/-67.837 χ^2/NDF:80.5/38

All: -86.928+/-48.982 χ^2/NDF: 132.5/72



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077308.2/19

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 321.130+/-0.060 χ^2/NDF:950432.4/17

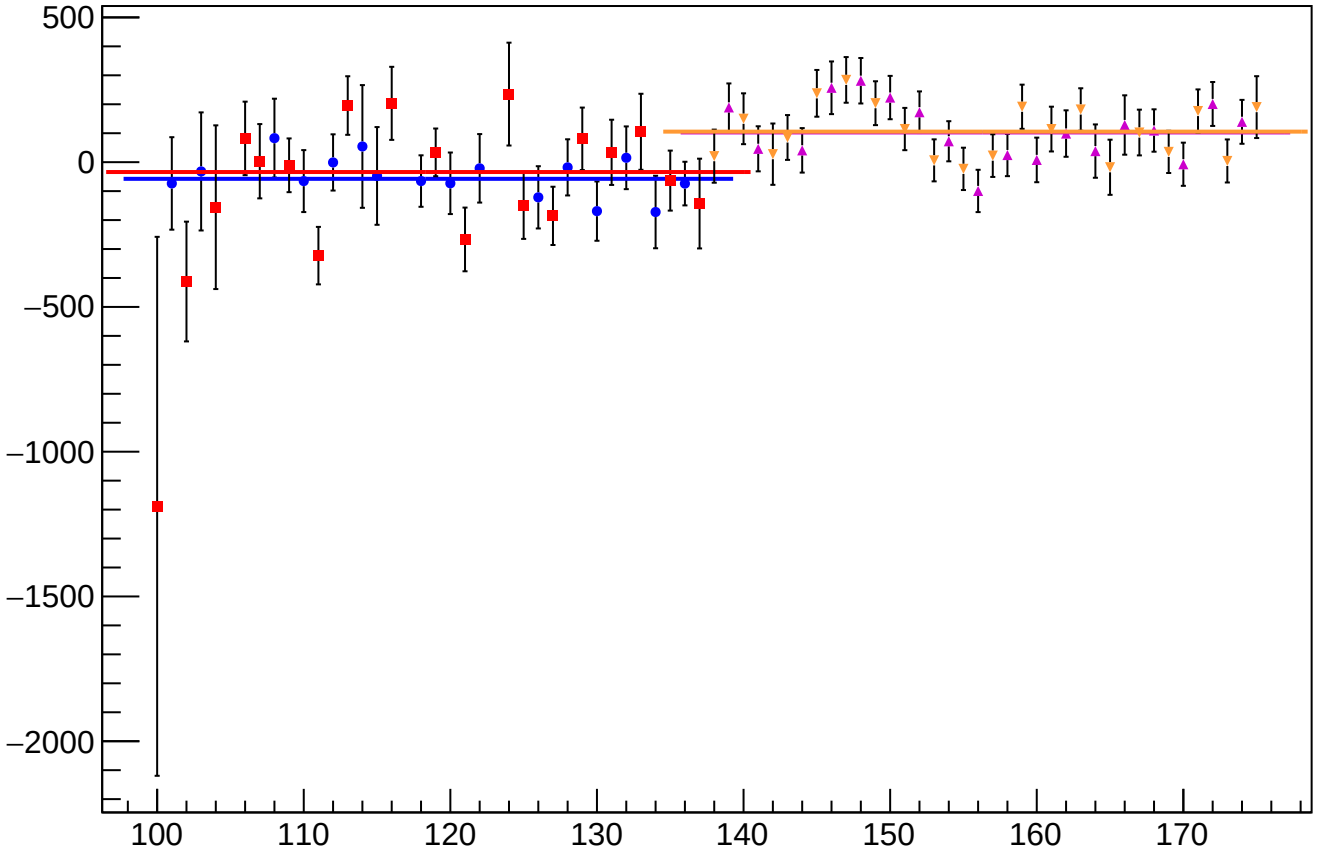
Left: 320.971+/-0.042 χ^2/NDF: 2027754.1/37

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 320.077+/-0.050 χ^2/NDF:3087639.0/33

Out: 313.189+/-0.048 χ^2/NDF:3672426.3/38

All: 316.486+/-0.035 χ^2/NDF: 6769933.2/72



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.498+/-17.750 χ^2/NDF:25.8/19

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.610+/-18.350 χ^2/NDF:29.0/17

Left: 104.102+/-12.758 χ^2/NDF: 54.8/37

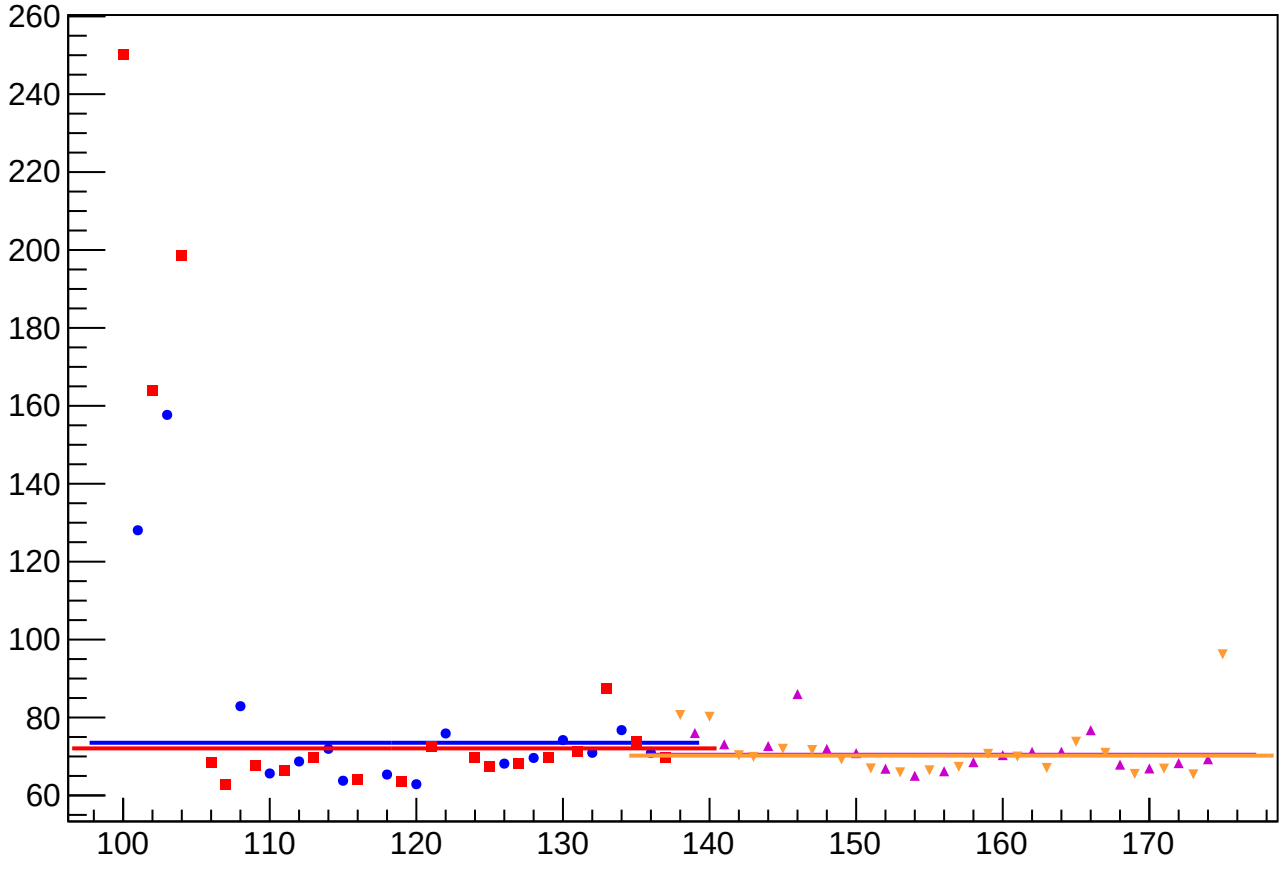
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 54.704+/-15.362 χ^2/NDF:56.7/33

Out: 64.248+/-14.897 χ^2/NDF:81.2/38

All: 59.623+/-10.694 χ^2/NDF: 138.1/72

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.218+/-0.013 χ^2/NDF:218975.9/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.438+/-0.013 χ^2/NDF:114585.1/17

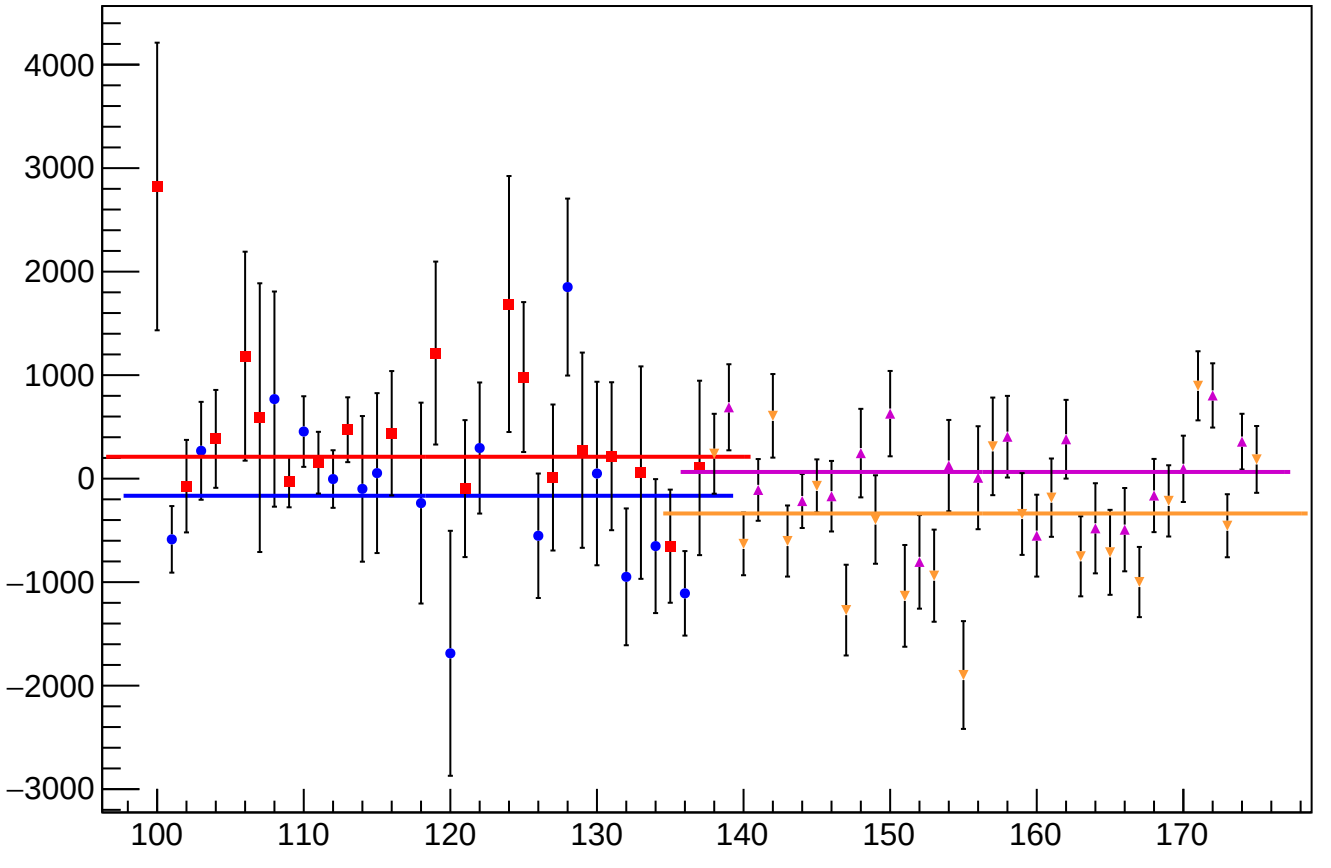
Left: 70.324+/-0.009 χ^2/NDF: 333708.3/37

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.359+/-0.011 χ^2/NDF:788305.4/33

Out: 70.767+/-0.011 χ^2/NDF:1183933.3/38

All: 71.054+/-0.008 χ^2/NDF: 1973771.3/72



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 64.517+/-84.858 χ^2/NDF:24.6/17

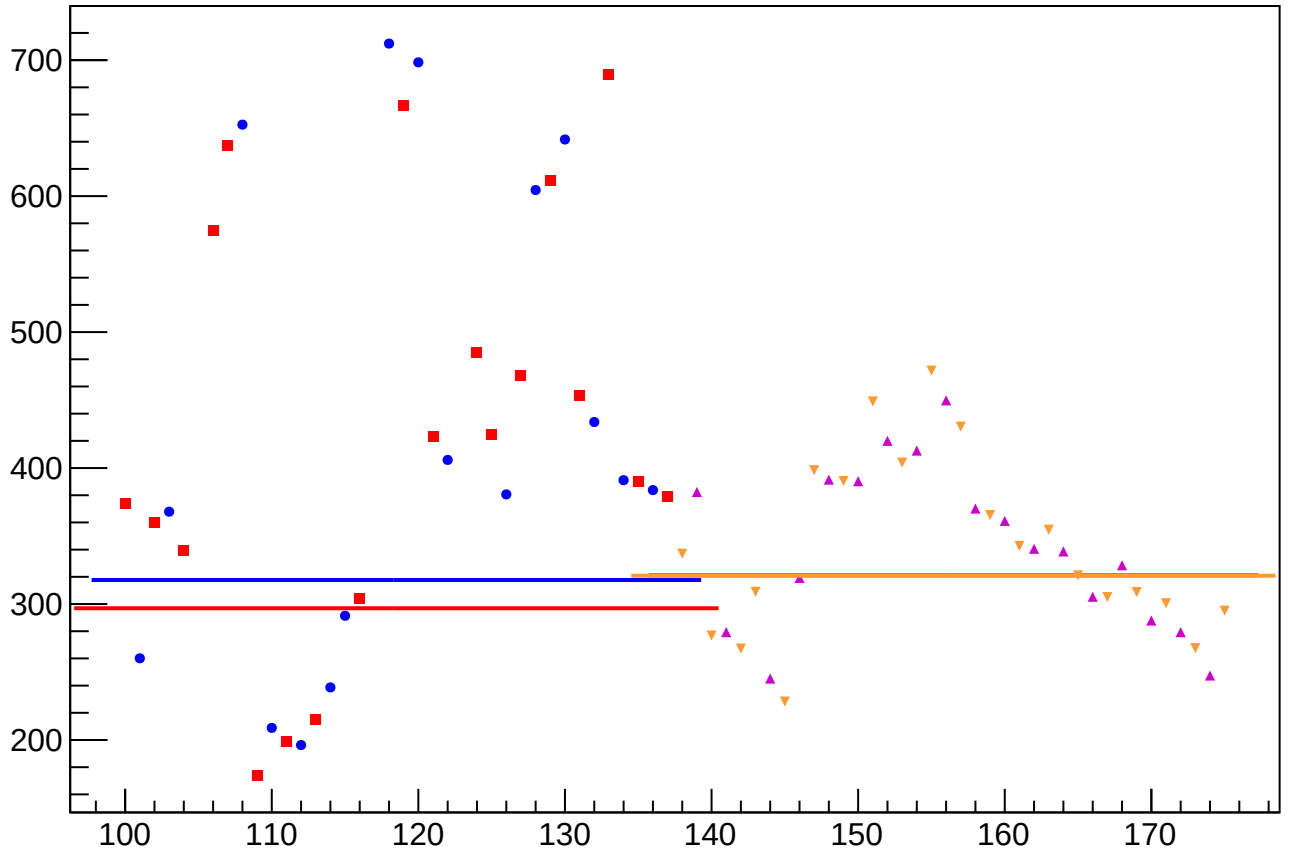
Left: -142.385+/-59.042 χ^2/NDF: 88.8/37

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -5.379+/-70.801 χ^2/NDF:49.5/33

Out: -161.795+/-67.837 χ^2/NDF:80.5/38

All: -86.928+/-48.982 χ^2/NDF: 132.5/72



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077313.6/19

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 321.130+/-0.060 χ^2/NDF:950430.5/17

Left: 320.971+/-0.042 χ^2/NDF: 2027757.6/37

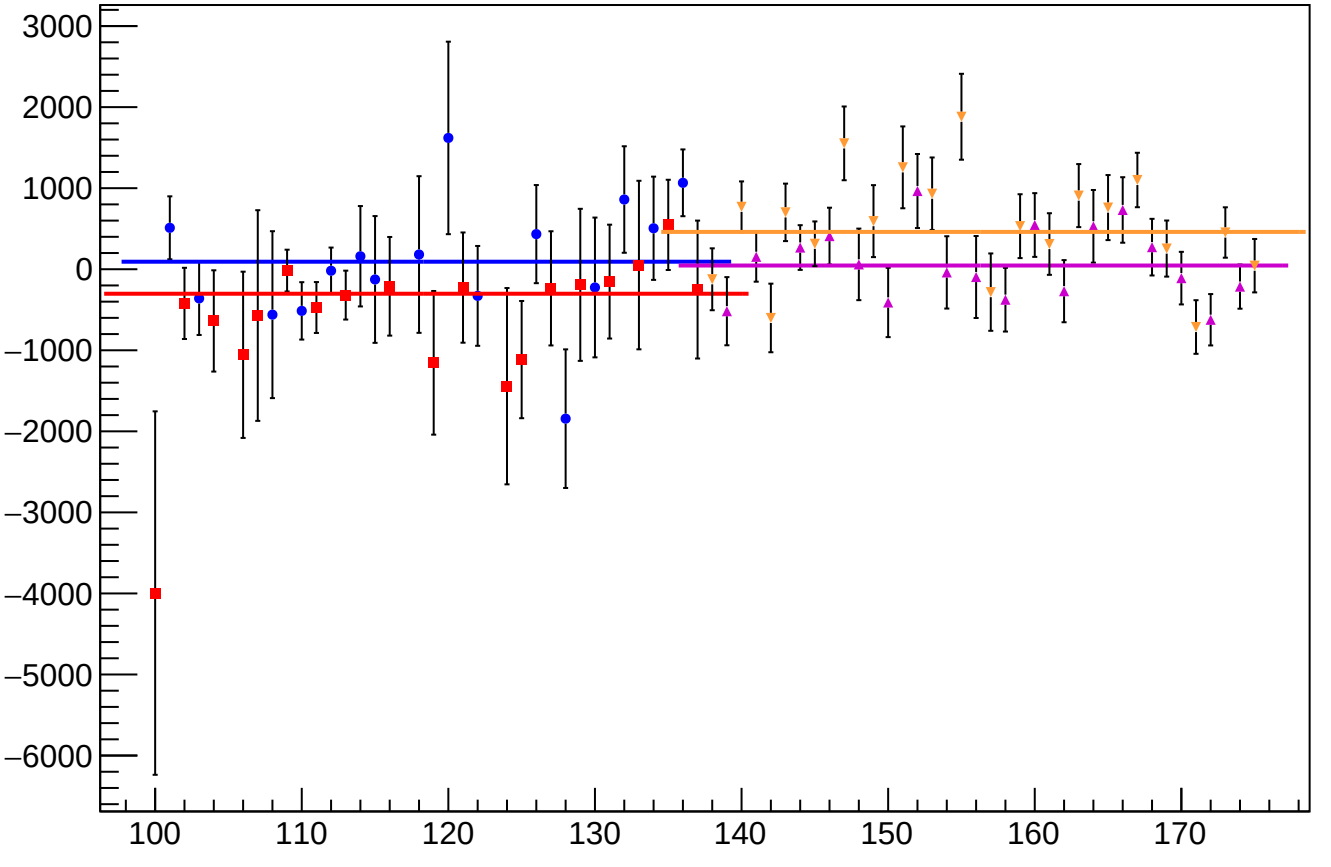
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 320.076+/-0.050 χ^2/NDF:3087670.2/33

Out: 313.188+/-0.048 χ^2/NDF:3672449.4/38

All: 316.485+/-0.035 χ^2/NDF: 6769987.5/72

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 460.511+/-83.749 χ^2/NDF:49.7/19

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 45.812+/-86.440 χ^2/NDF:22.4/17

Left: 259.716+/-60.148 χ^2/NDF: 84.0/37

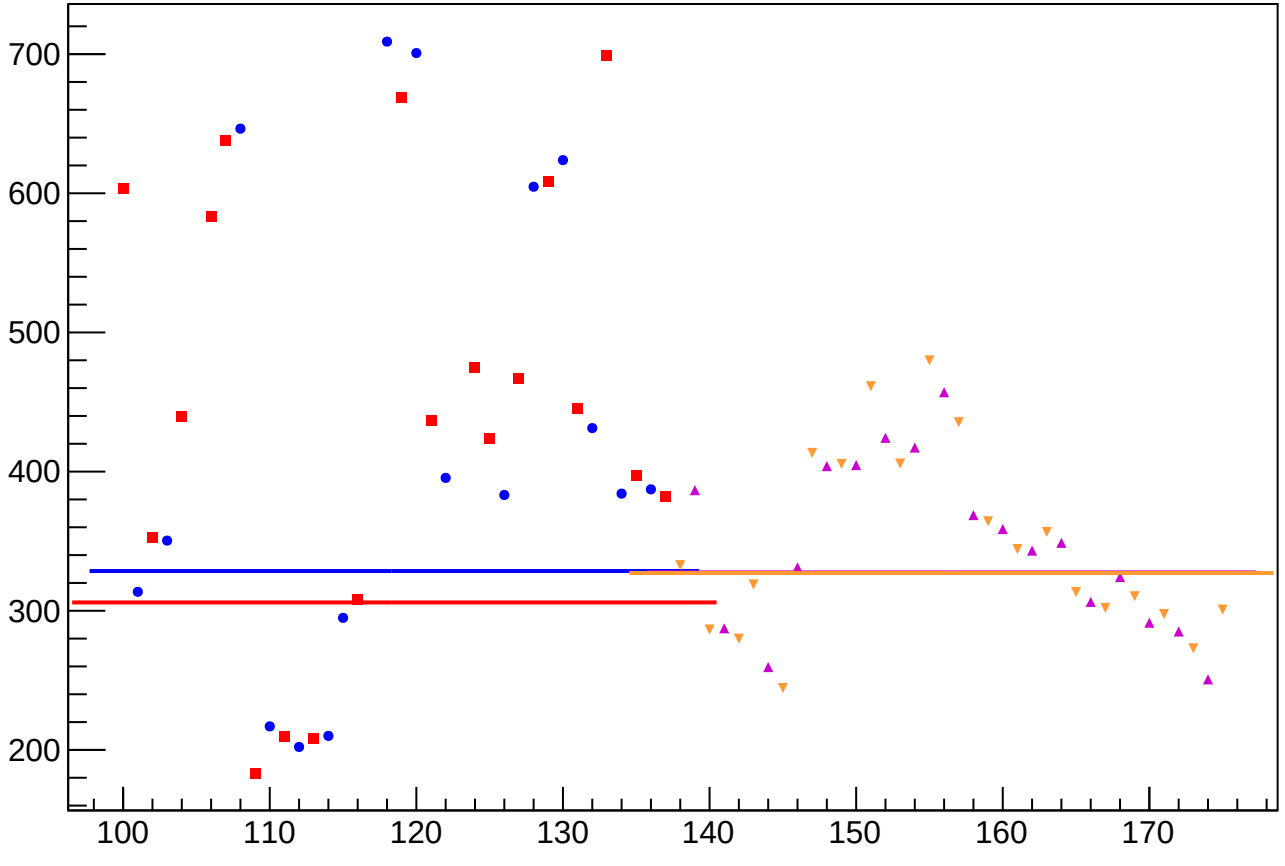
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 59.926+/-72.302 χ^2/NDF:43.4/33

Out: 221.338+/-69.388 χ^2/NDF:86.5/38

All: 143.951+/-50.063 χ^2/NDF: 132.4/72

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 327.125+/-0.059 χ^2/NDF:987113.0/19

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 327.587+/-0.061 χ^2/NDF:889799.3/17

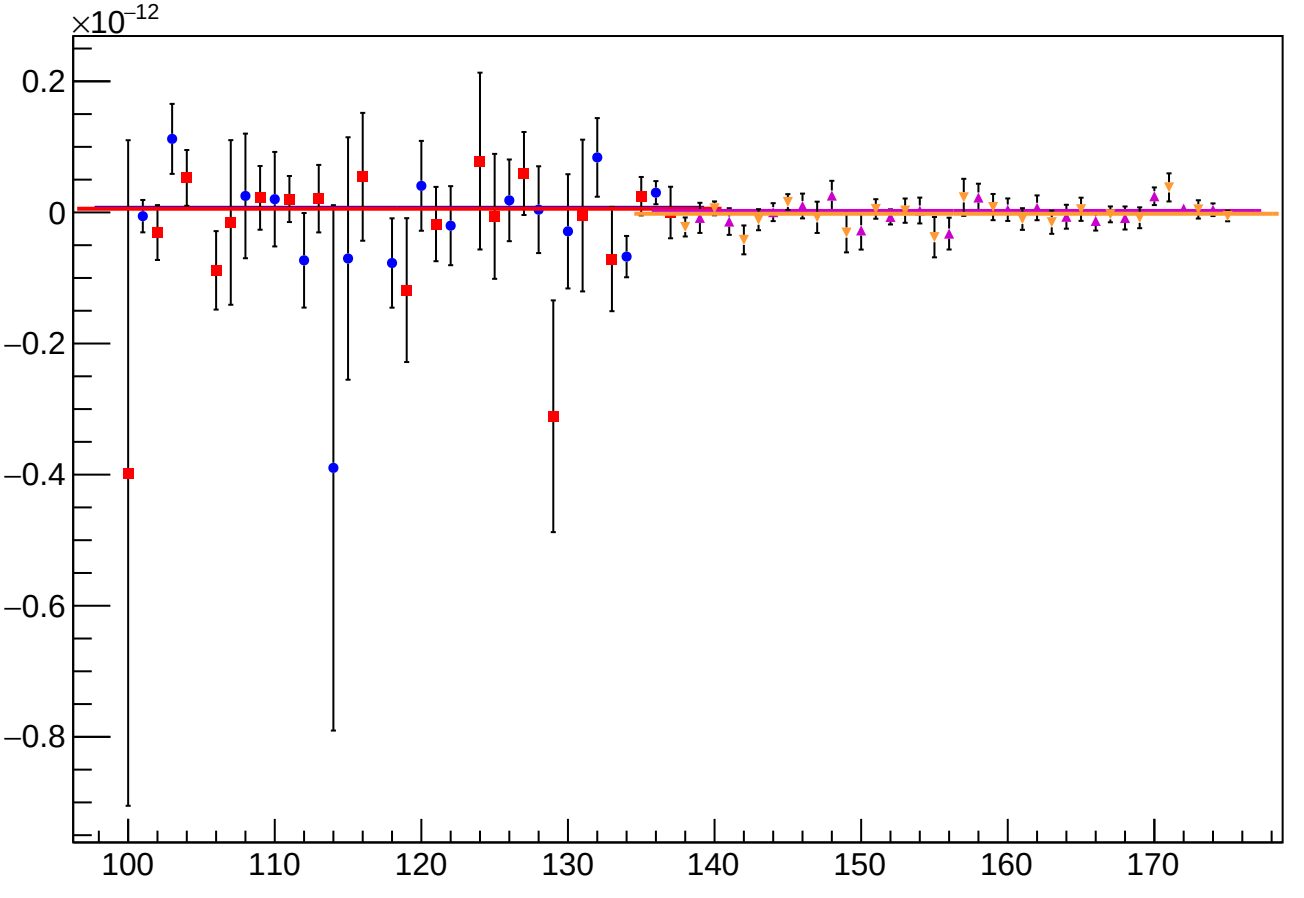
Left: 327.349+/-0.043 χ^2/NDF: 1876941.7/37

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 327.881+/-0.051 χ^2/NDF:2848749.7/33

Out: 320.498+/-0.049 χ^2/NDF:3554522.5/38

All: 324.038+/-0.035 χ^2/NDF: 6414129.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/17

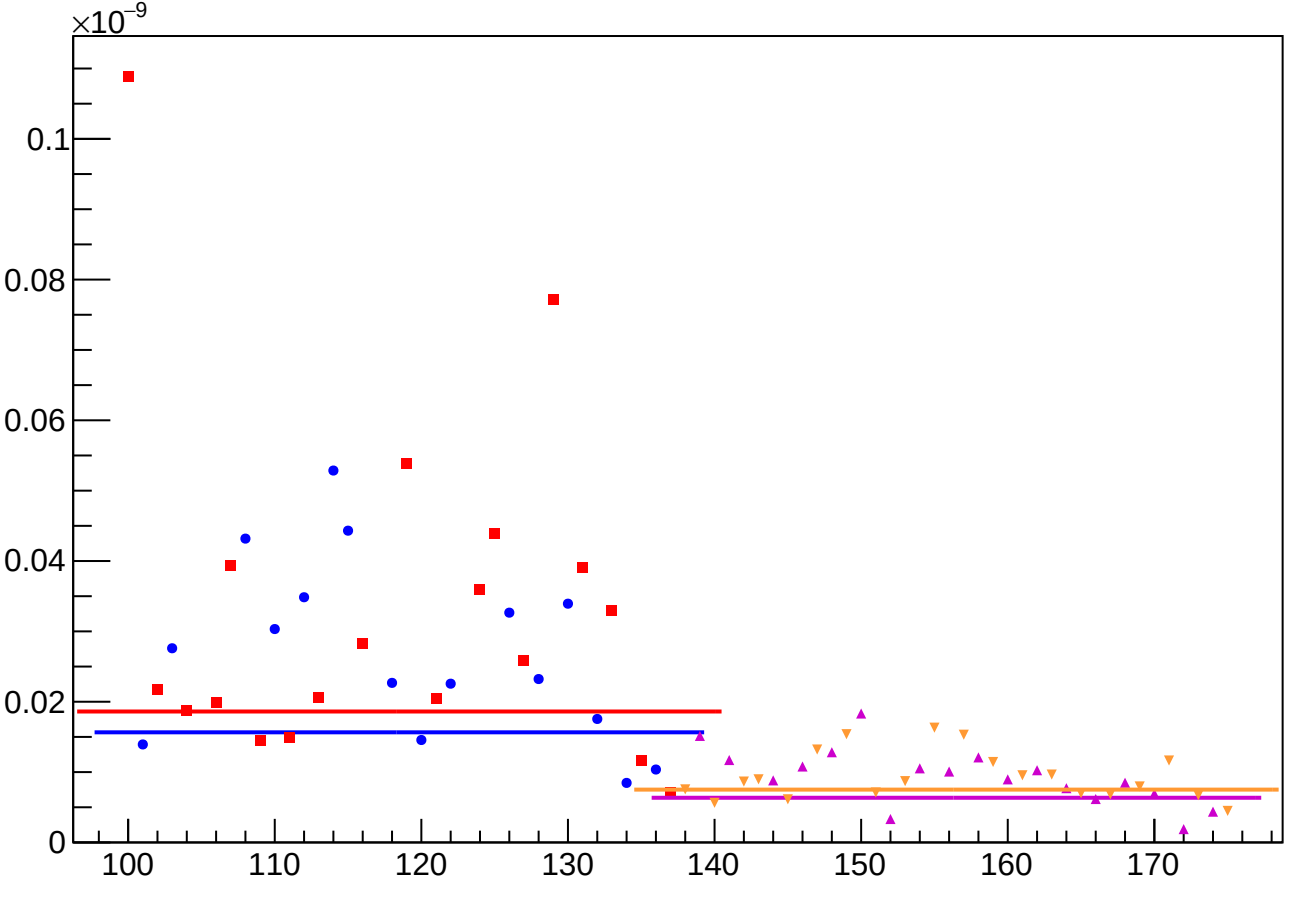
Left: 0.000+/-0.000 χ^2/NDF: 29.4/37

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:29.5/33

Out: -0.000+/-0.000 χ^2/NDF:30.1/38

All: 0.000+/-0.000 χ^2/NDF: 60.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1193094.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2694928.9/17

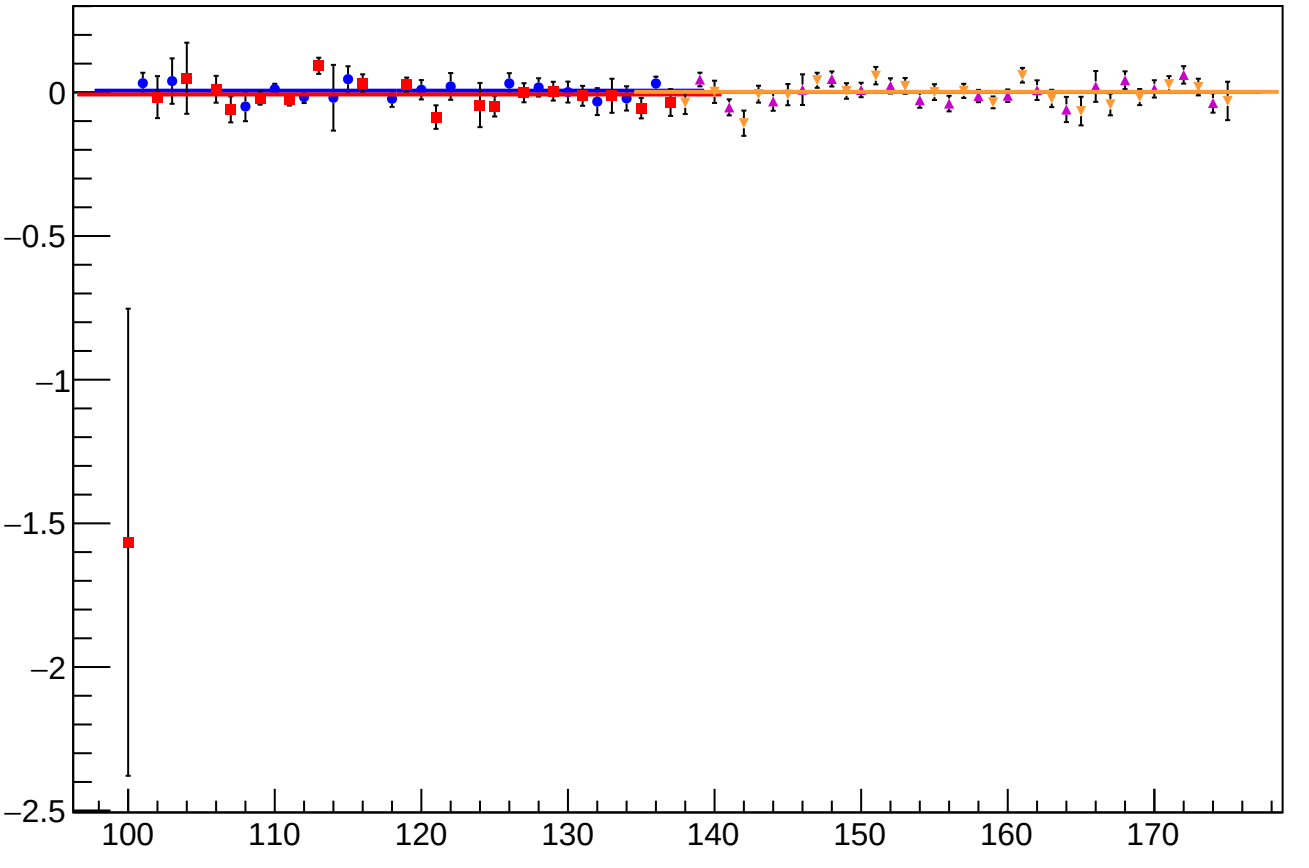
Left: 0.000+/-0.000 χ^2/NDF: 4002659.6/37

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5174433.0/33

Out: 0.000+/-0.000 χ^2/NDF:3818582.2/38

All: 0.000+/-0.000 χ^2/NDF: 9099705.3/72



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

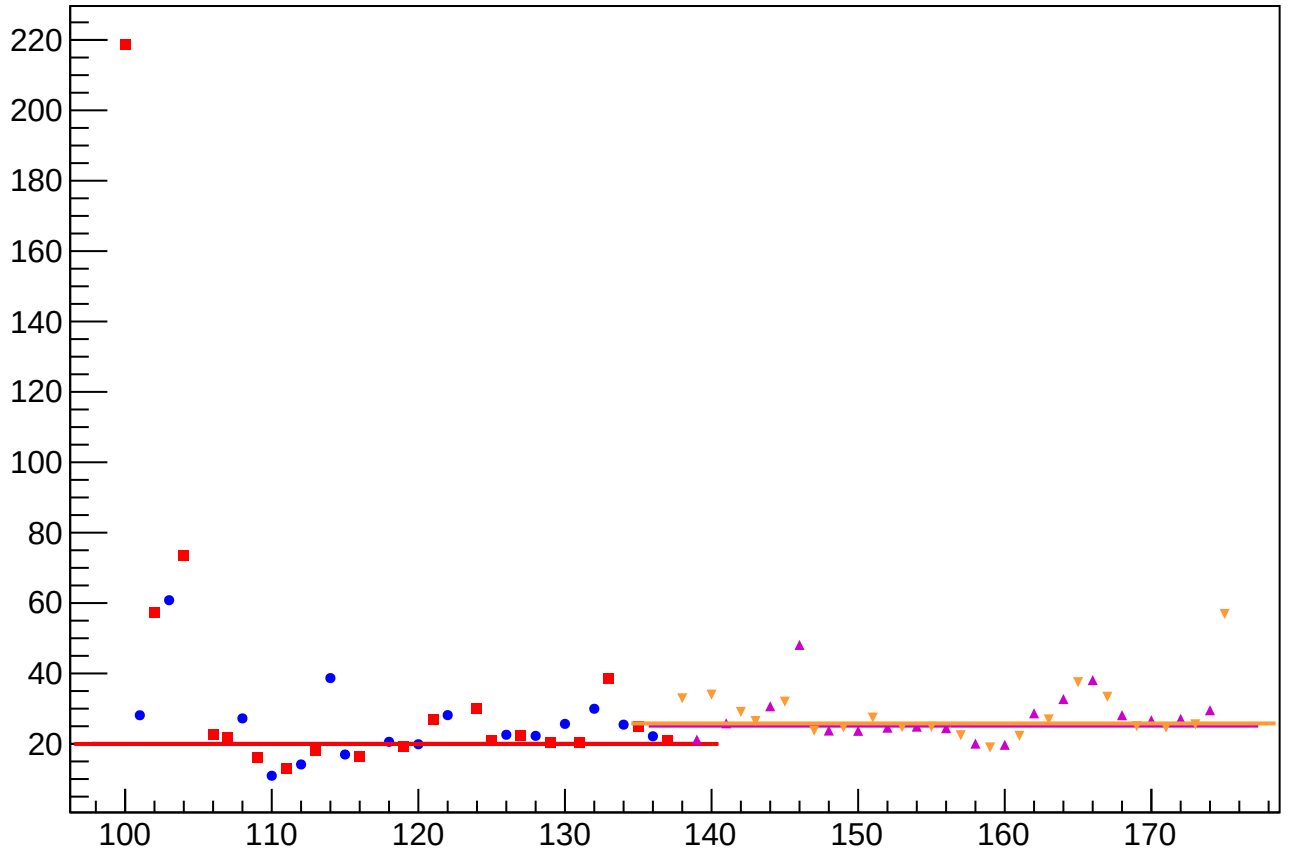
Left: 0.002+/-0.005 χ^2/NDF: 52.5/37

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 91.6/72



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177074.6/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

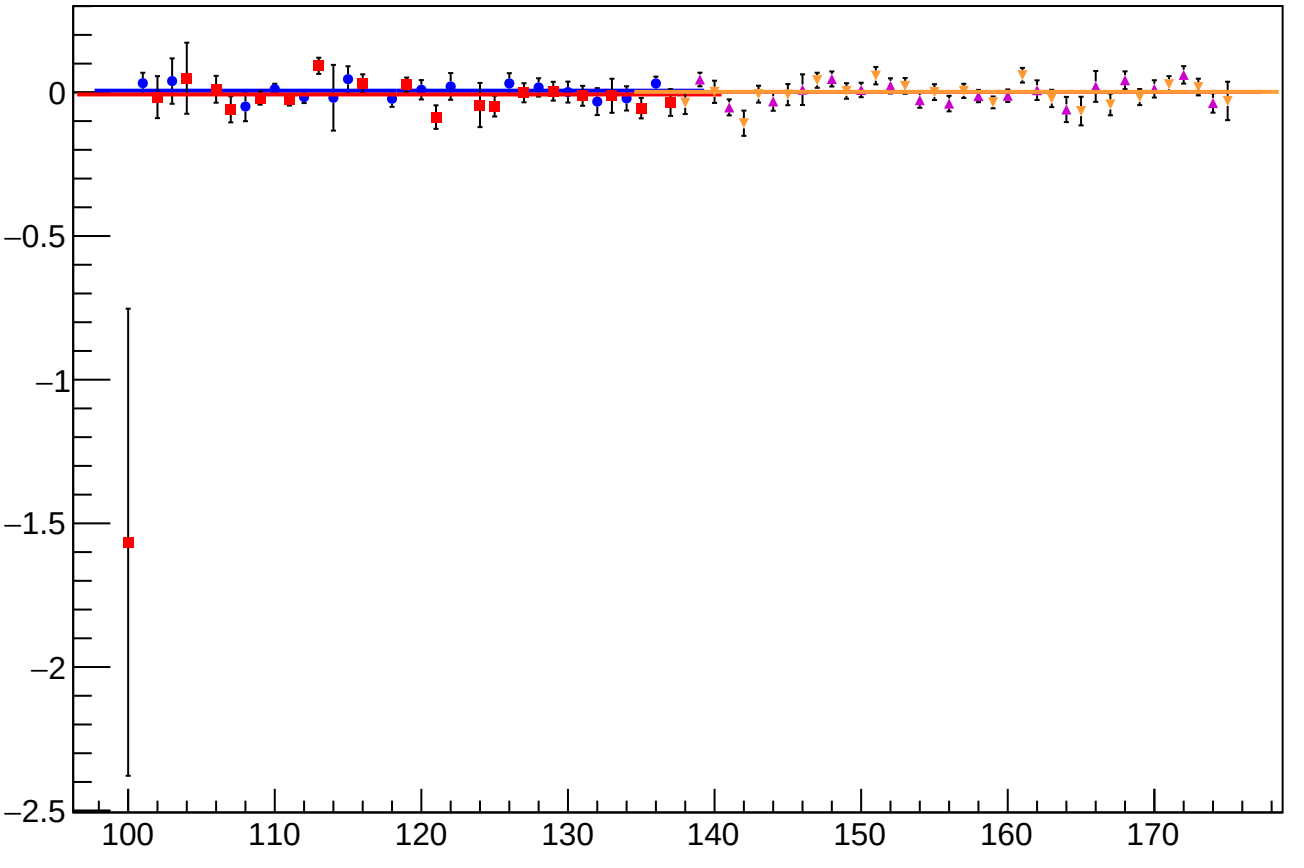
Left: 25.490+/-0.003 χ^2/NDF: 2184500.1/37

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.062+/-0.004 χ^2/NDF:3115738.9/33

Out: 23.406+/-0.004 χ^2/NDF:3507114.0/38

All: 23.235+/-0.003 χ^2/NDF: 6627209.9/72



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

Left: 0.002+/-0.005 χ^2/NDF: 52.5/37

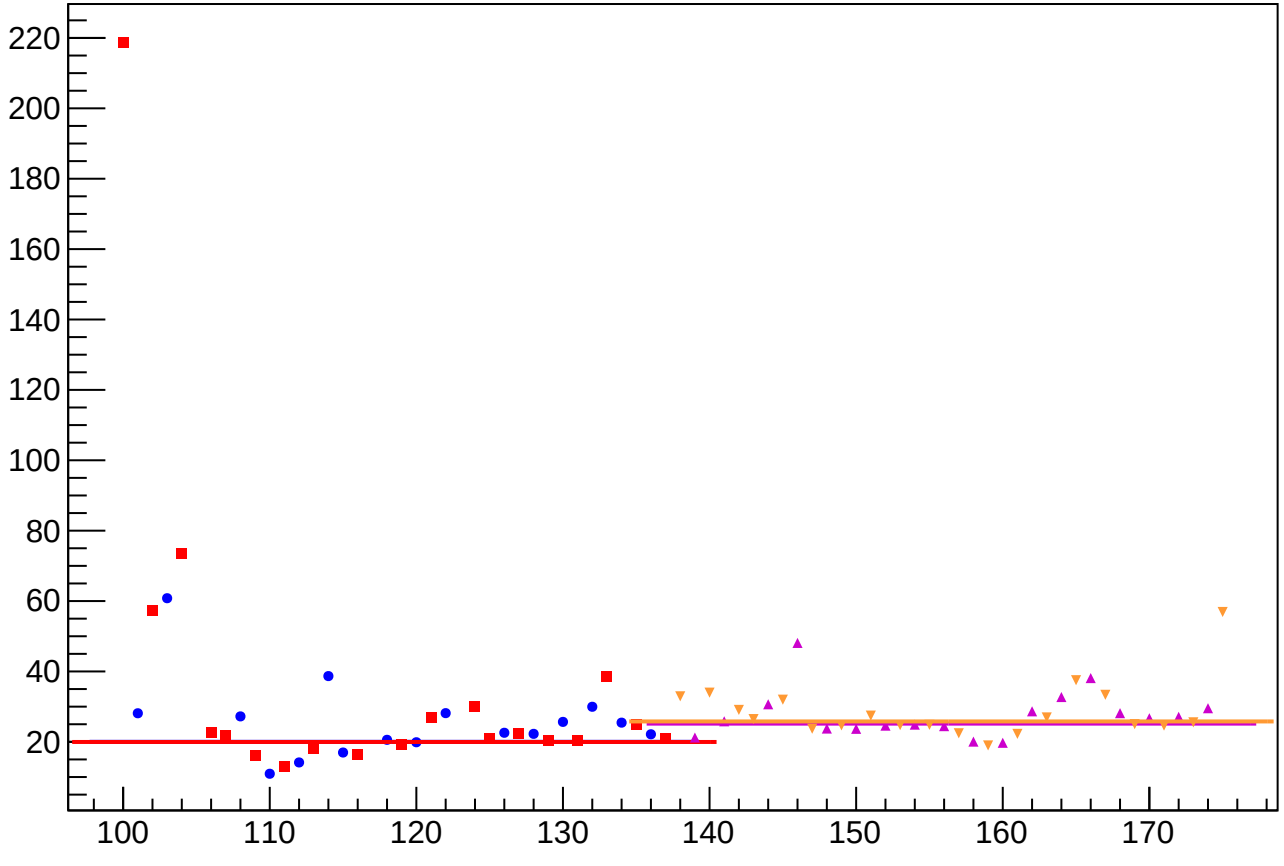
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 91.6/72

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177074.6/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

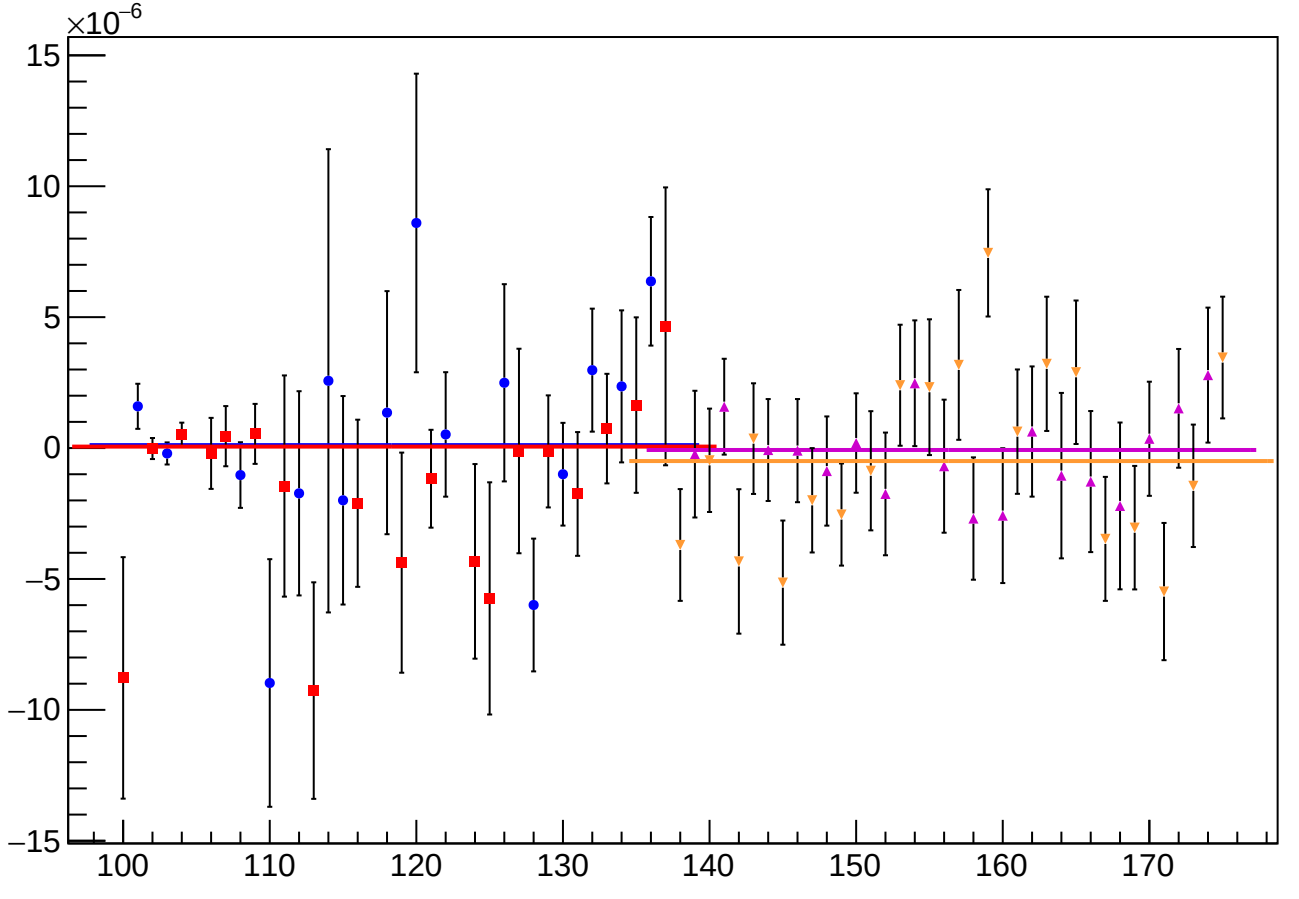
Left: 25.490+/-0.003 χ^2/NDF: 2184500.1/37

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.062+/-0.004 χ^2/NDF:3115738.9/33

Out: 23.406+/-0.004 χ^2/NDF:3507114.0/38

All: 23.235+/-0.003 χ^2/NDF: 6627209.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/17

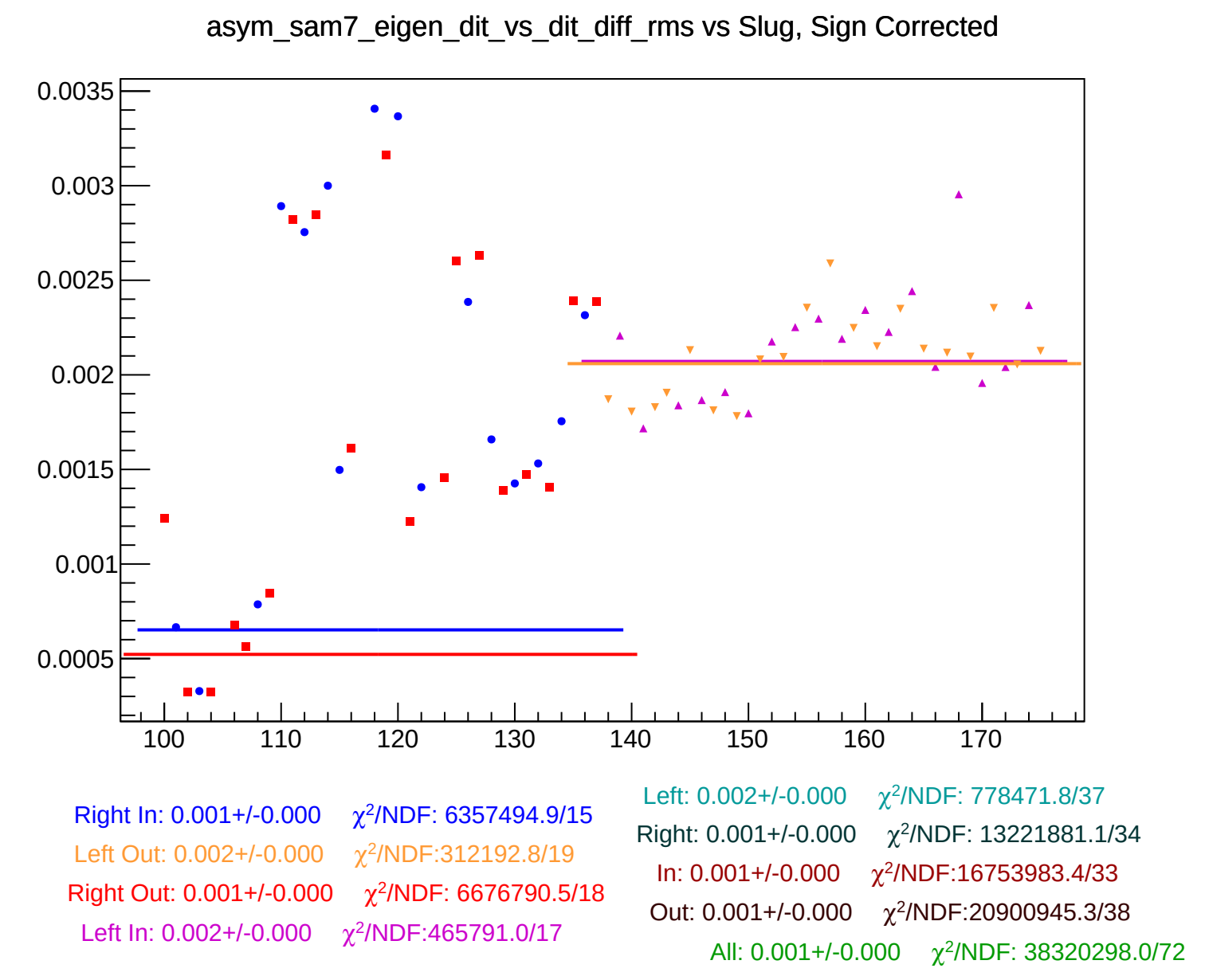
Left: -0.000+/-0.000 χ^2/NDF: 46.0/37

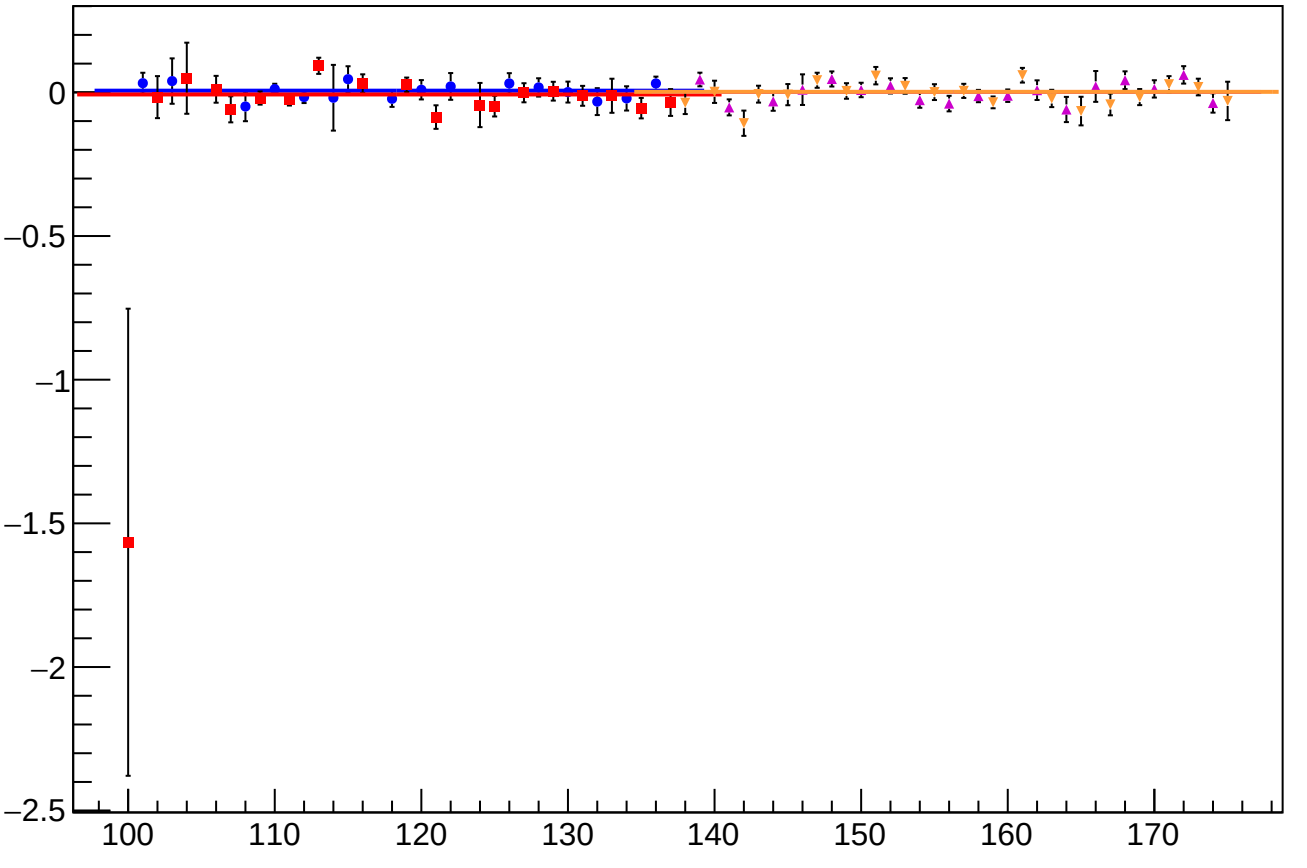
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:33.6/33

Out: -0.000+/-0.000 χ^2/NDF:56.2/38

All: -0.000+/-0.000 χ^2/NDF: 90.0/72


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:312192.8/19
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:465791.0/17
Left: 0.002+/-0.000 χ²/NDF: 778471.8/37
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:16753983.4/33
Out: 0.001+/-0.000 χ²/NDF:20900945.3/38
All: 0.001+/-0.000 χ²/NDF: 38320298.0/72



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

Left: 0.002+/-0.005 χ^2/NDF: 52.5/37

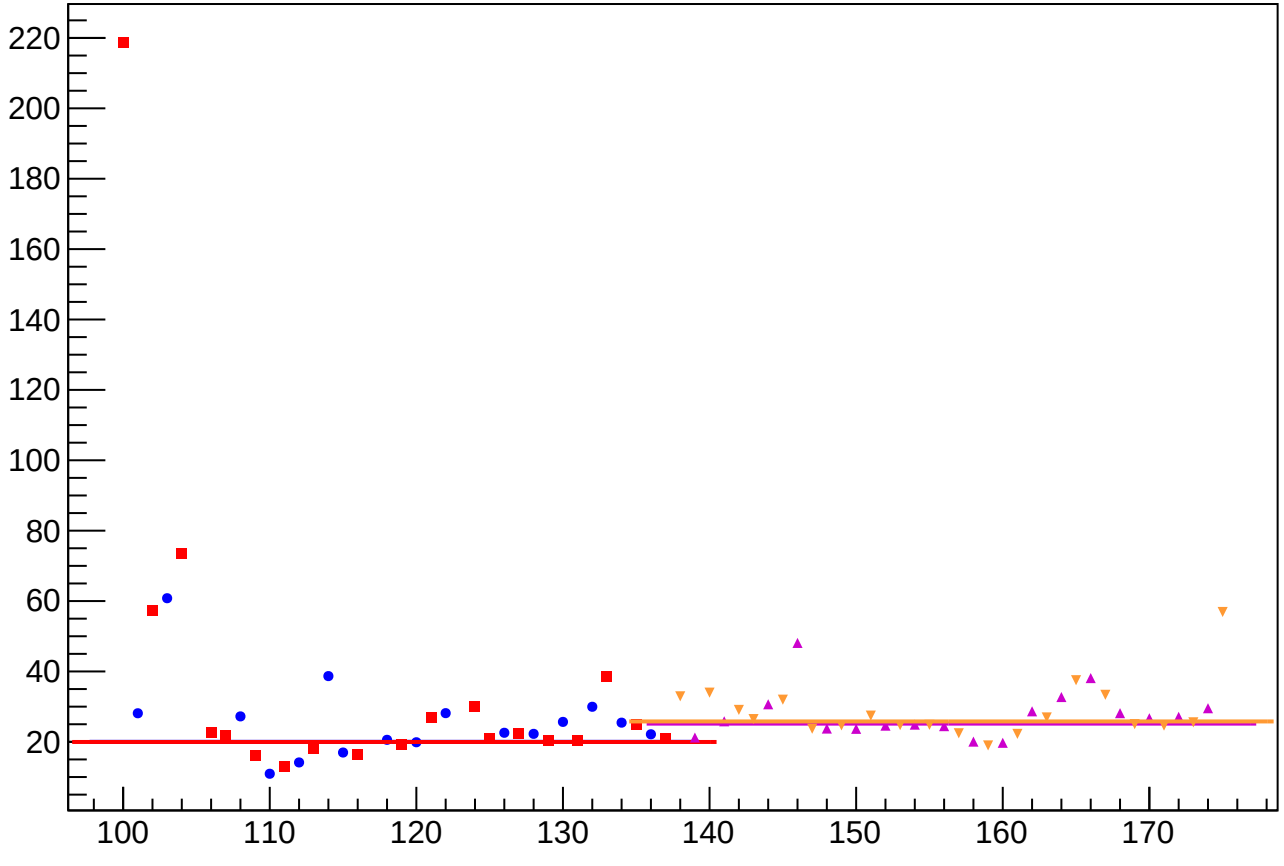
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 91.6/72

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

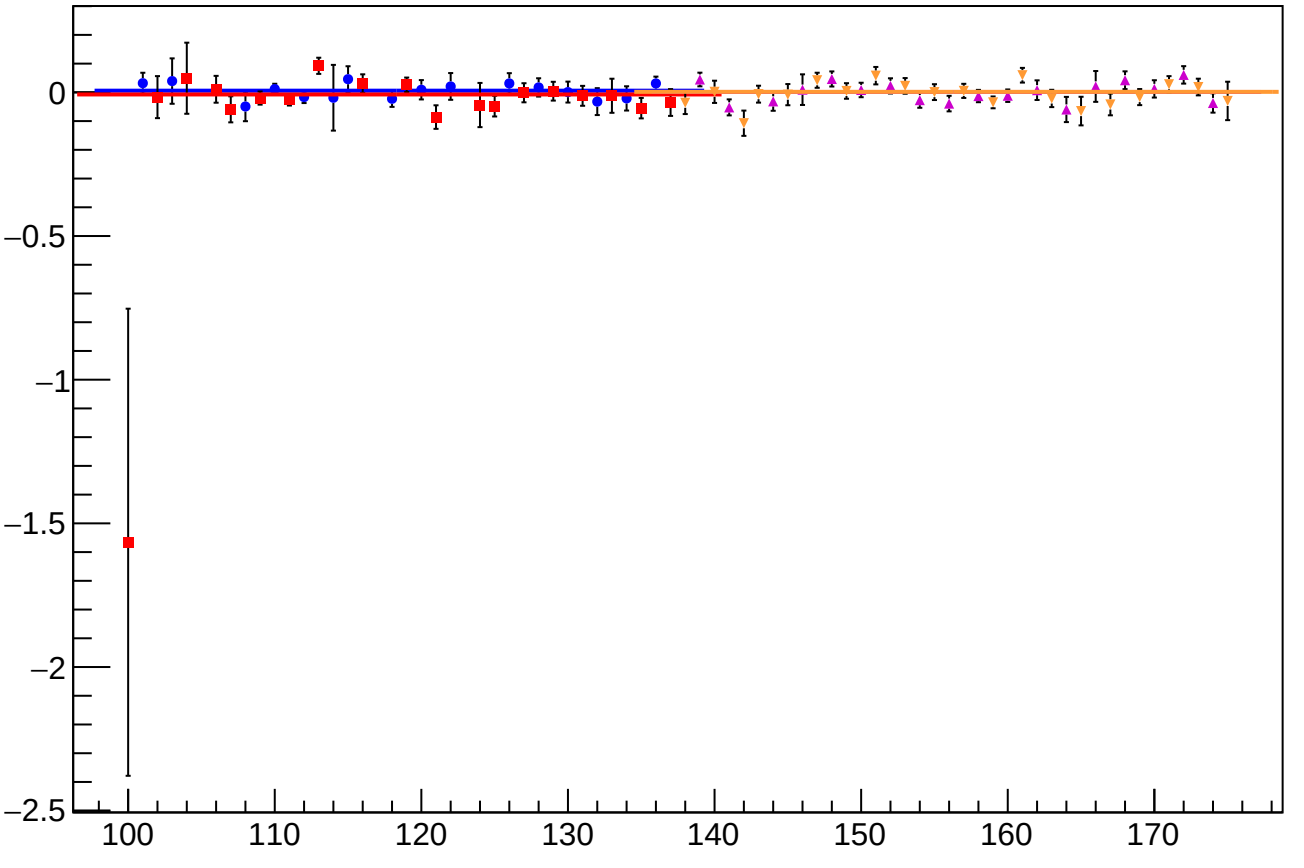
Left: 25.490+/-0.003 χ^2/NDF: 2184606.9/37

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.063+/-0.004 χ^2/NDF:3115524.4/33

Out: 23.406+/-0.004 χ^2/NDF:3507065.2/38

All: 23.235+/-0.003 χ^2/NDF: 6626942.5/72



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

Left: 0.002+/-0.005 χ^2/NDF: 52.5/37

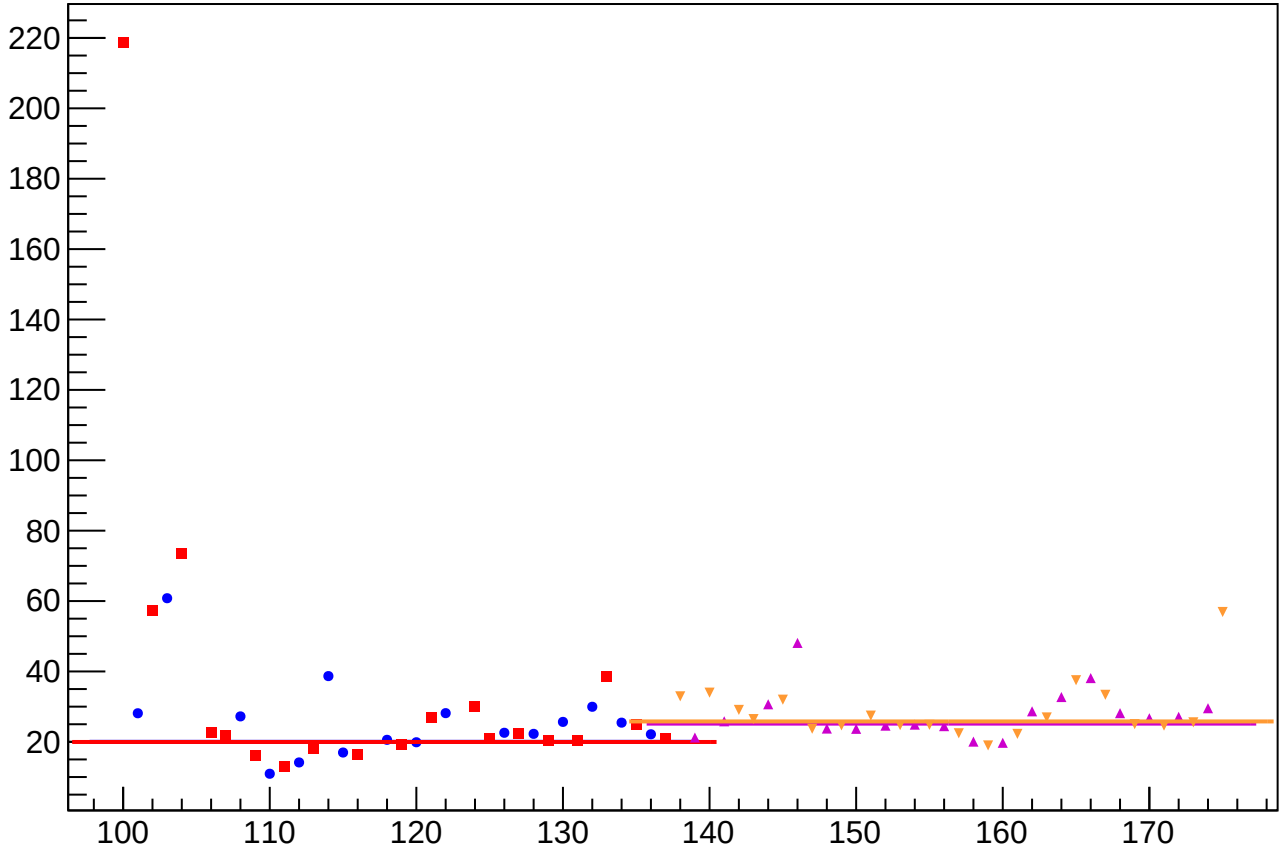
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 91.6/72

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

Left: 25.490+/-0.003 χ^2/NDF: 2184606.9/37

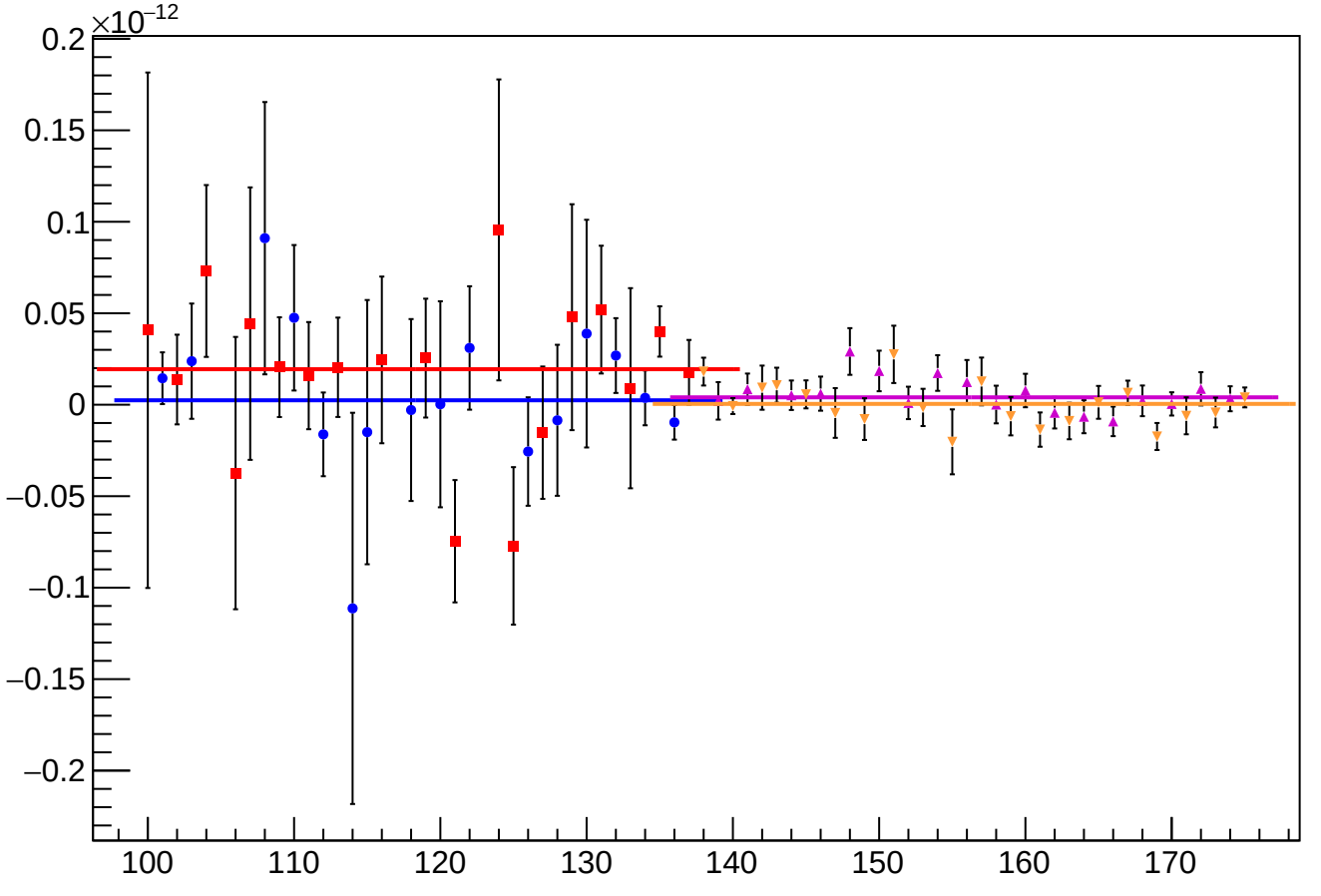
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.063+/-0.004 χ^2/NDF:3115524.4/33

Out: 23.406+/-0.004 χ^2/NDF:3507065.2/38

All: 23.235+/-0.003 χ^2/NDF: 6626942.5/72

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/17

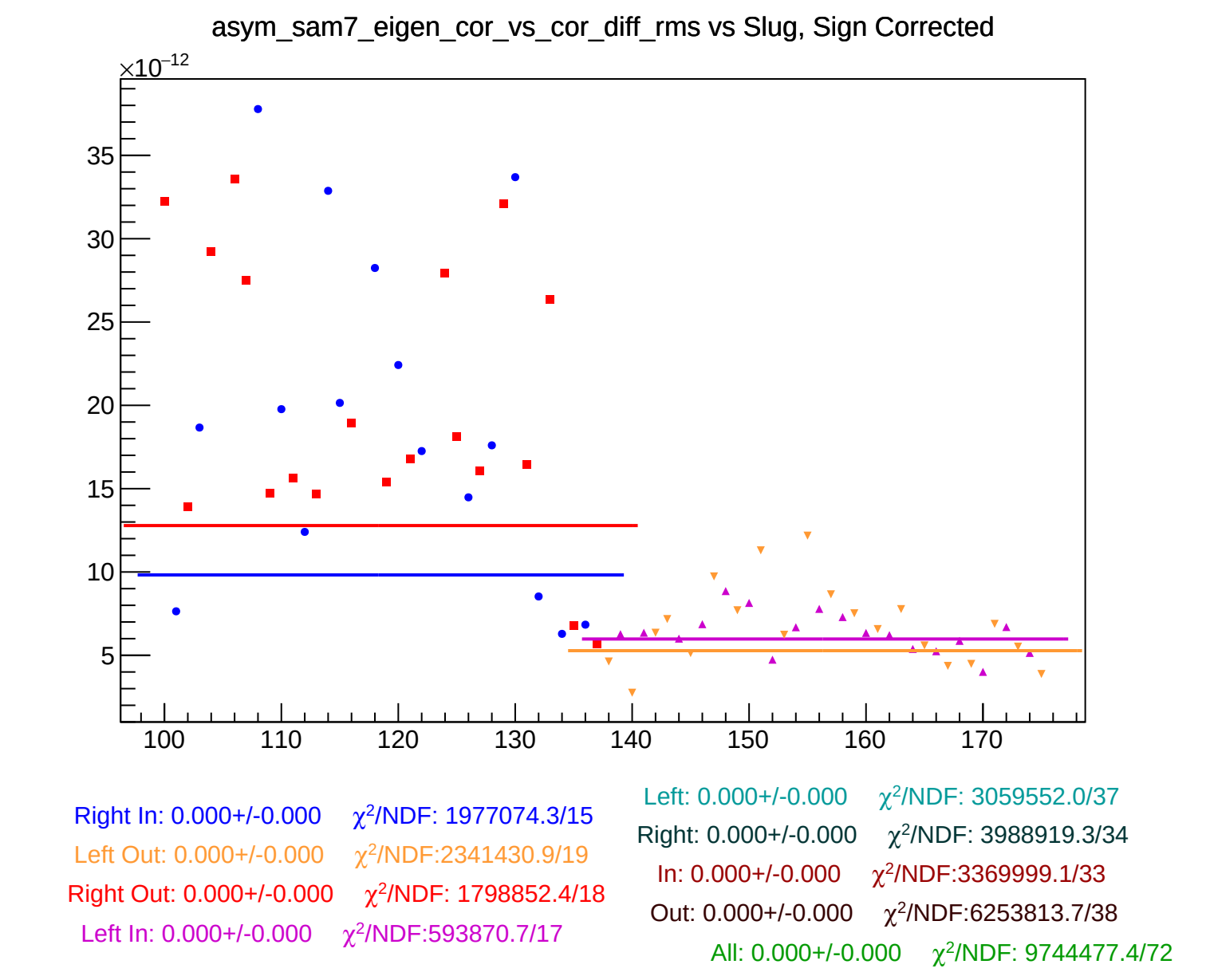
Left: 0.000+/-0.000 χ^2/NDF: 40.8/37

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

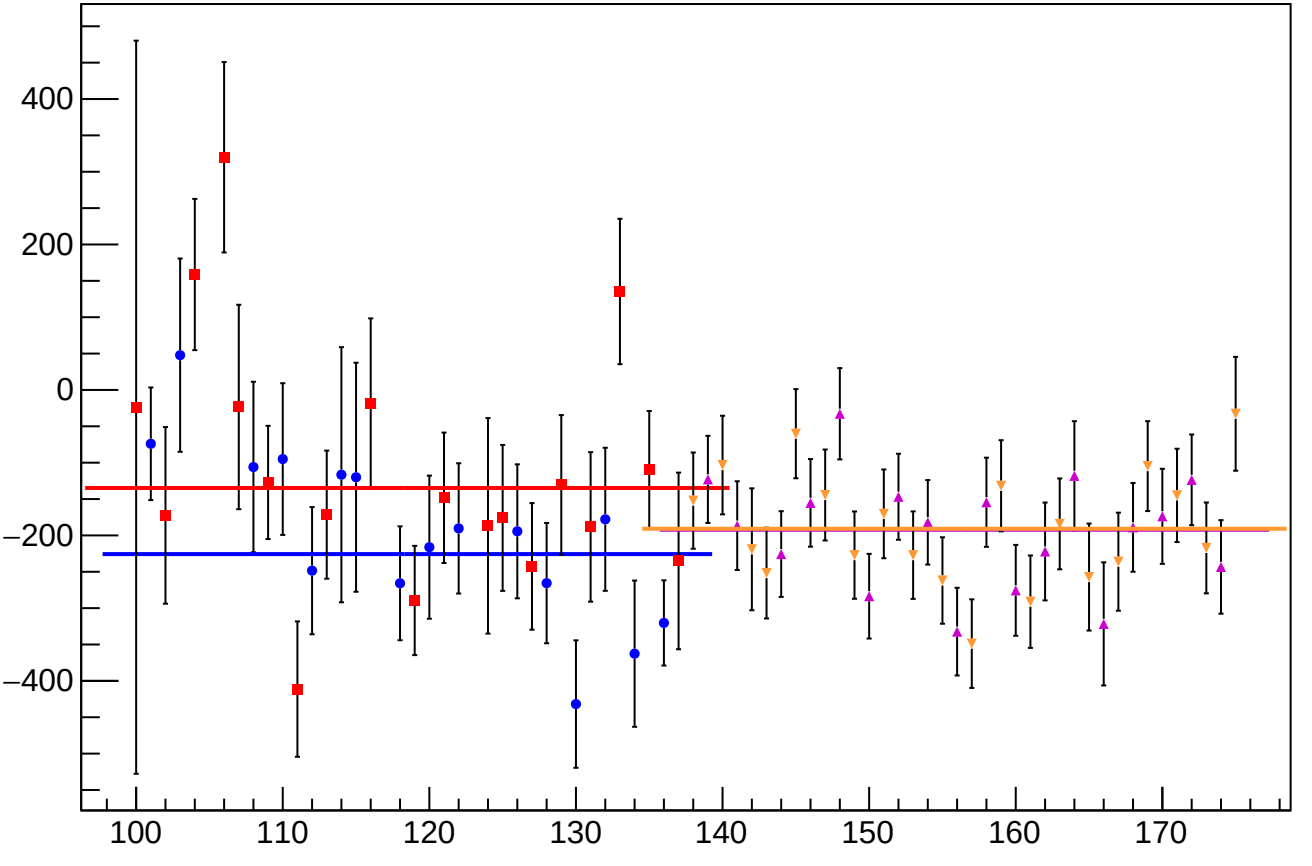
In: 0.000+/-0.000 χ^2/NDF:25.2/33

Out: 0.000+/-0.000 χ^2/NDF:51.9/38

All: 0.000+/-0.000 χ^2/NDF: 77.7/72


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2341430.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:593870.7/17
Left: 0.000+/-0.000 χ²/NDF: 3059552.0/37
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3369999.1/33
Out: 0.000+/-0.000 χ²/NDF:6253813.7/38
All: 0.000+/-0.000 χ²/NDF: 9744477.4/72

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.847+/-14.387 χ^2/NDF:28.5/19

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -192.221+/-14.777 χ^2/NDF:24.6/17

Left: -191.516+/-10.308 χ^2/NDF: 53.1/37

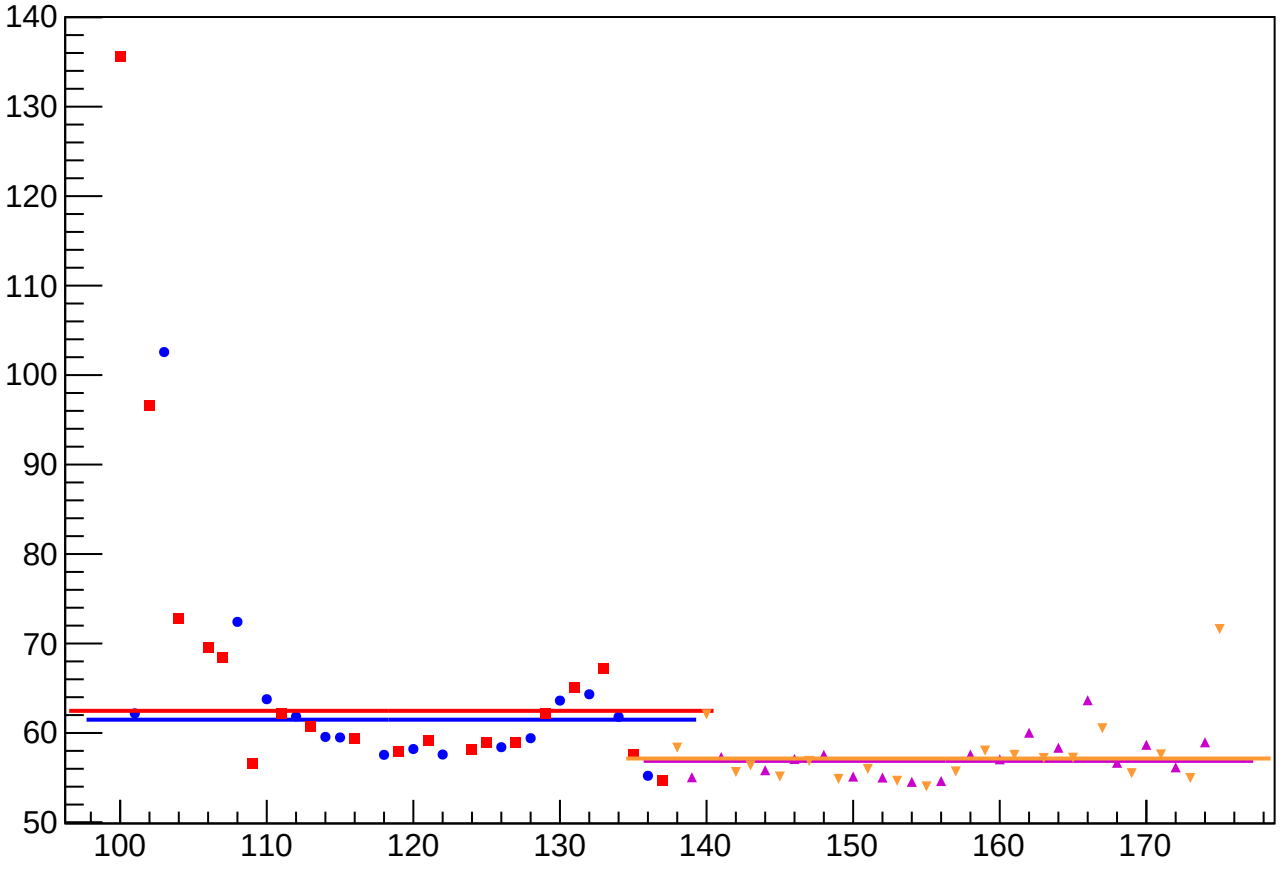
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -201.930+/-12.451 χ^2/NDF:48.7/33

Out: -175.262+/-12.226 χ^2/NDF:78.0/38

All: -188.352+/-8.723 χ^2/NDF: 129.0/72

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

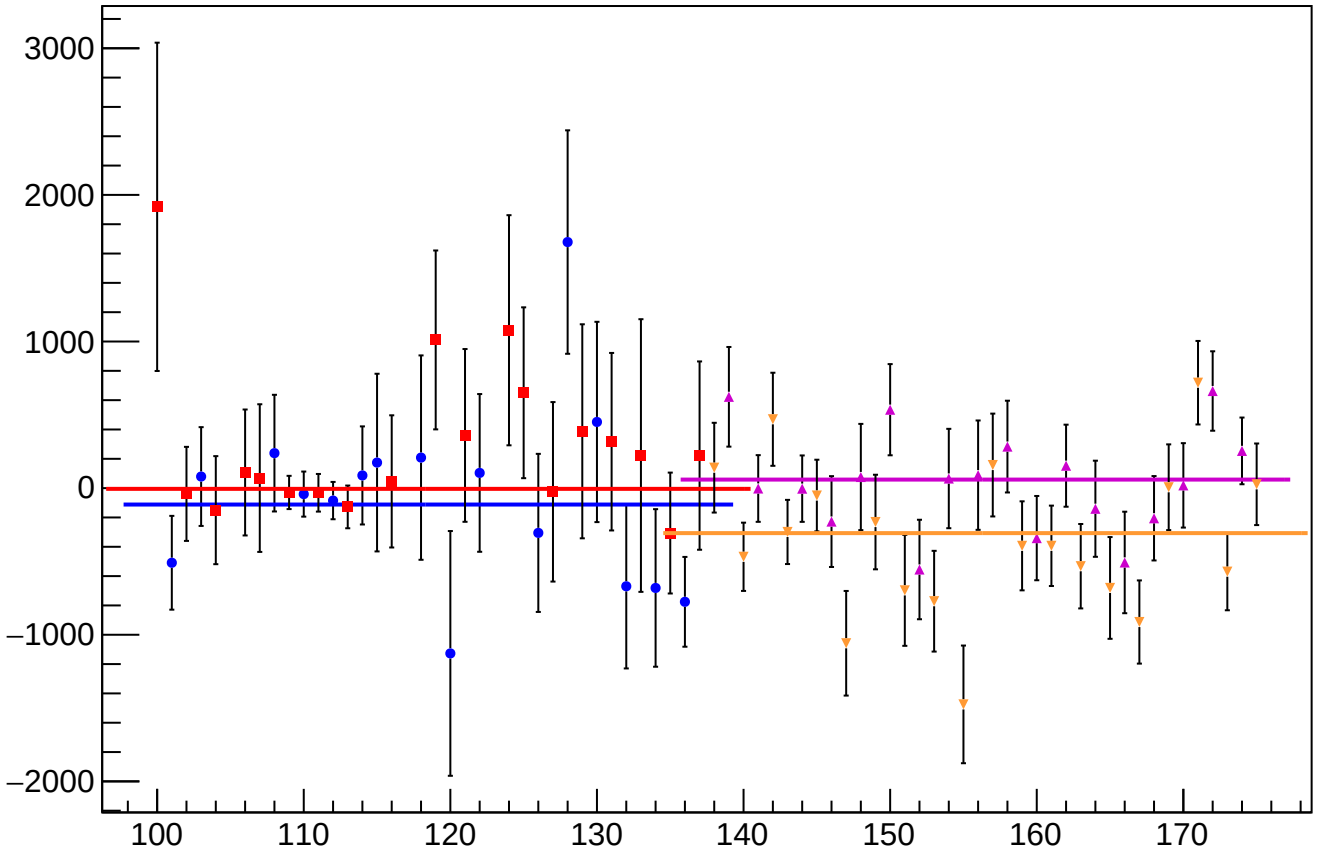
Left: 57.018+/-0.007 χ^2/NDF: 141121.9/37

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.218+/-0.009 χ^2/NDF:341784.1/33

Out: 58.628+/-0.009 χ^2/NDF:463374.5/38

All: 58.426+/-0.006 χ^2/NDF: 806261.6/72



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -306.782+/-65.616 χ^2/NDF:50.4/19

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 58.321+/-68.956 χ^2/NDF:21.6/17

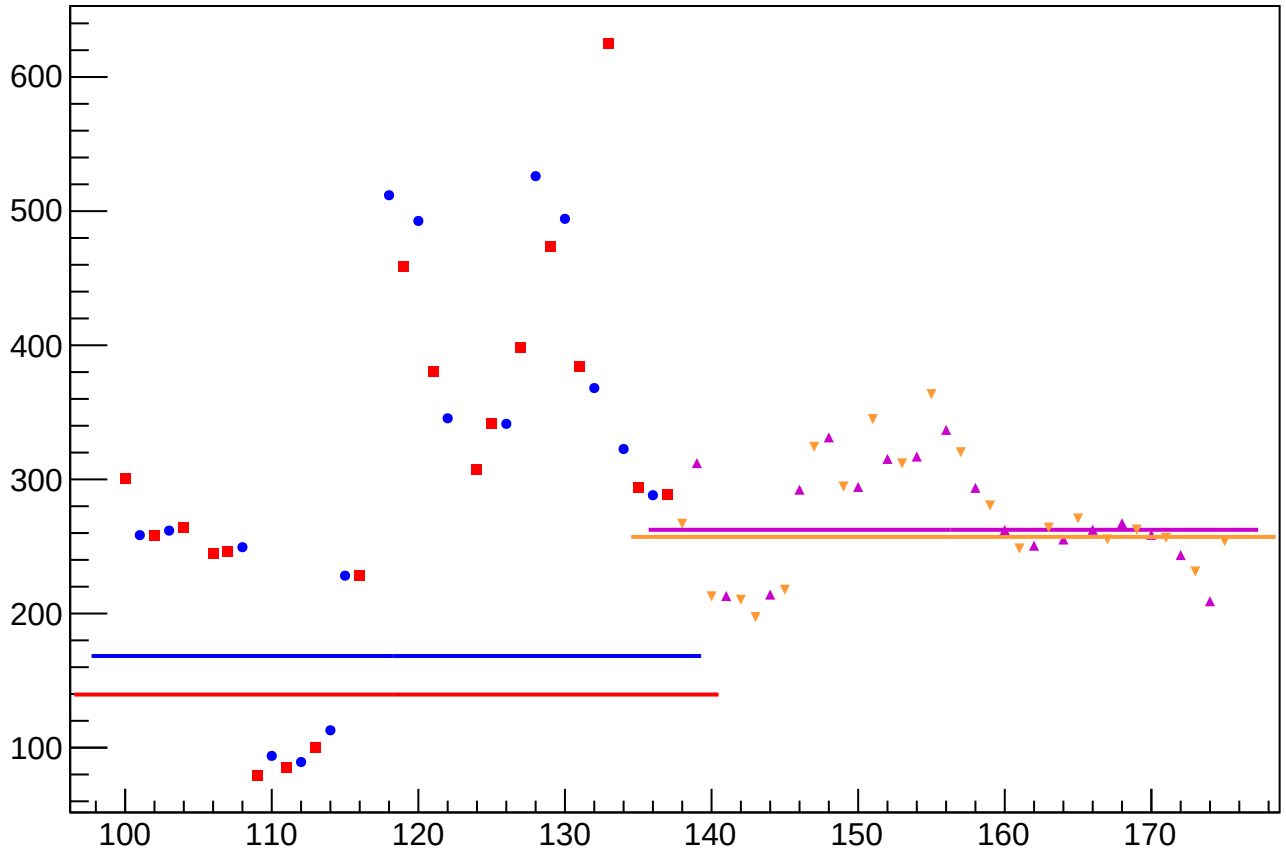
Left: -133.287+/-47.534 χ^2/NDF: 86.6/37

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -18.295+/-51.133 χ^2/NDF:42.8/33

Out: -151.916+/-45.791 χ^2/NDF:72.9/38

All: -92.448+/-34.112 χ^2/NDF: 119.4/72



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820018.9/19

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665383.3/17

Left: 259.660+/-0.034 χ^2/NDF: 1491541.4/37

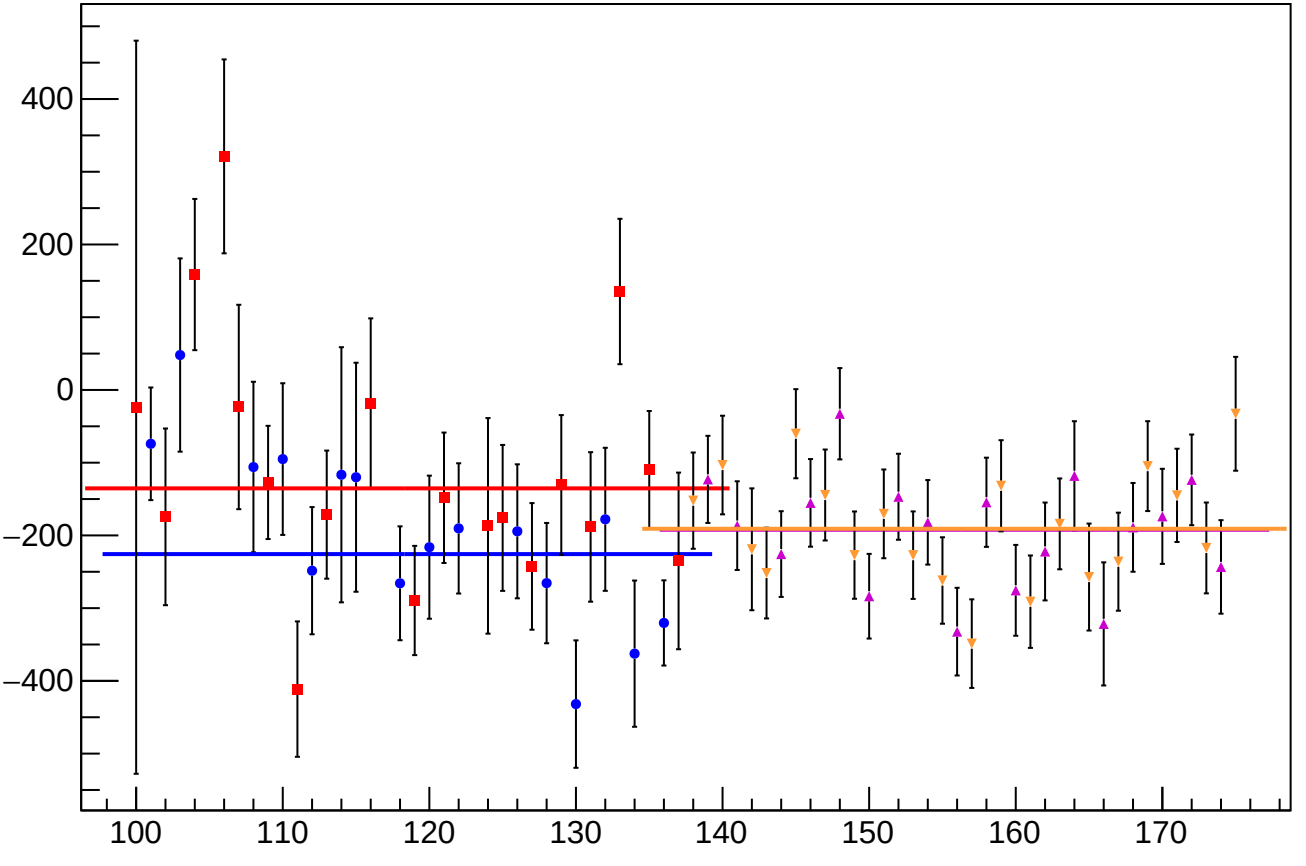
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 220.071+/-0.036 χ^2/NDF:6885895.0/33

Out: 196.847+/-0.032 χ^2/NDF:9267579.1/38

All: 207.183+/-0.024 χ^2/NDF: 16382436.6/72

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -192.223+/-14.777 χ^2/NDF:24.6/17

Left: -191.516+/-10.308 χ^2/NDF: 53.1/37

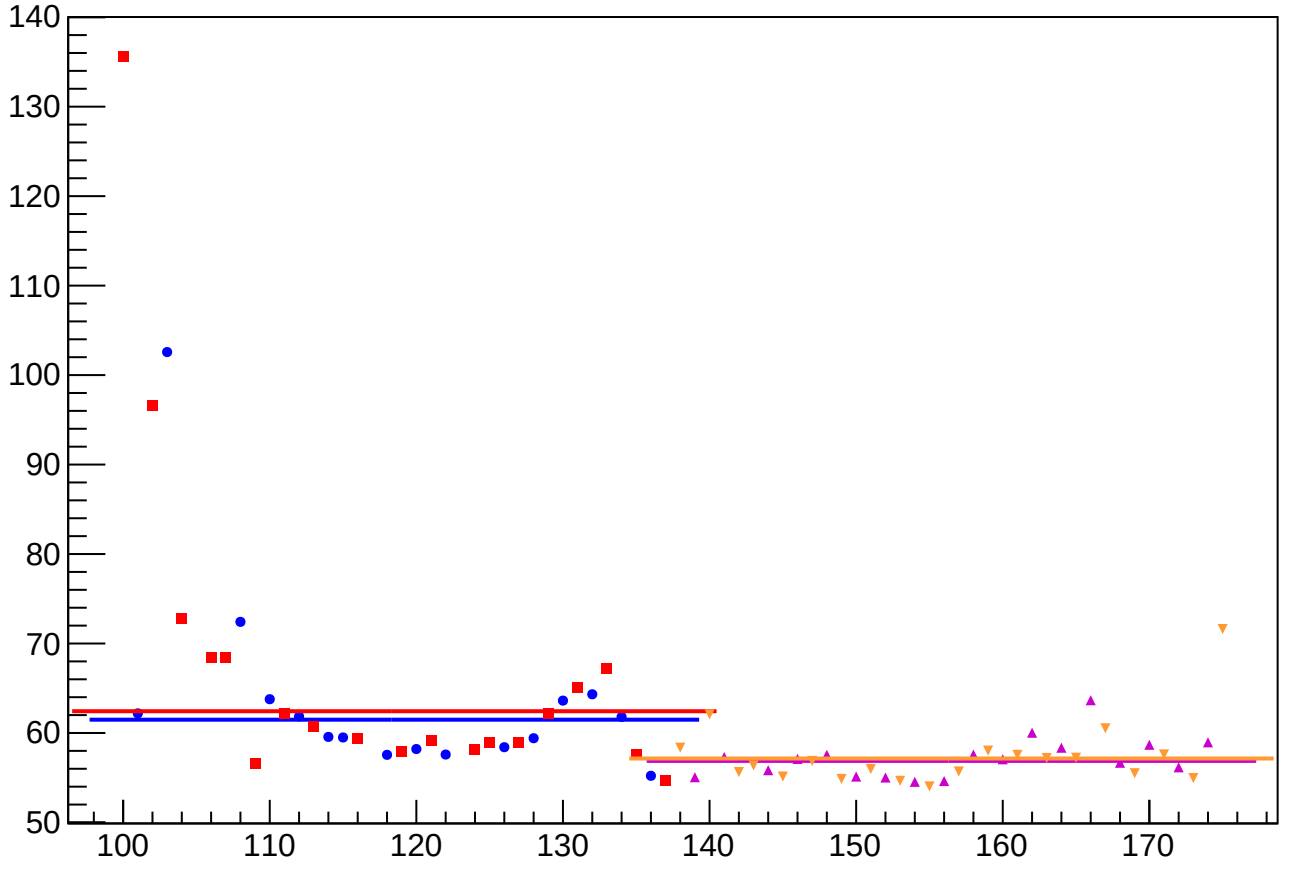
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.931+/-12.451 χ^2/NDF:48.7/33

Out: -175.425+/-12.228 χ^2/NDF:77.6/38

All: -188.438+/-8.724 χ^2/NDF: 128.6/72

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

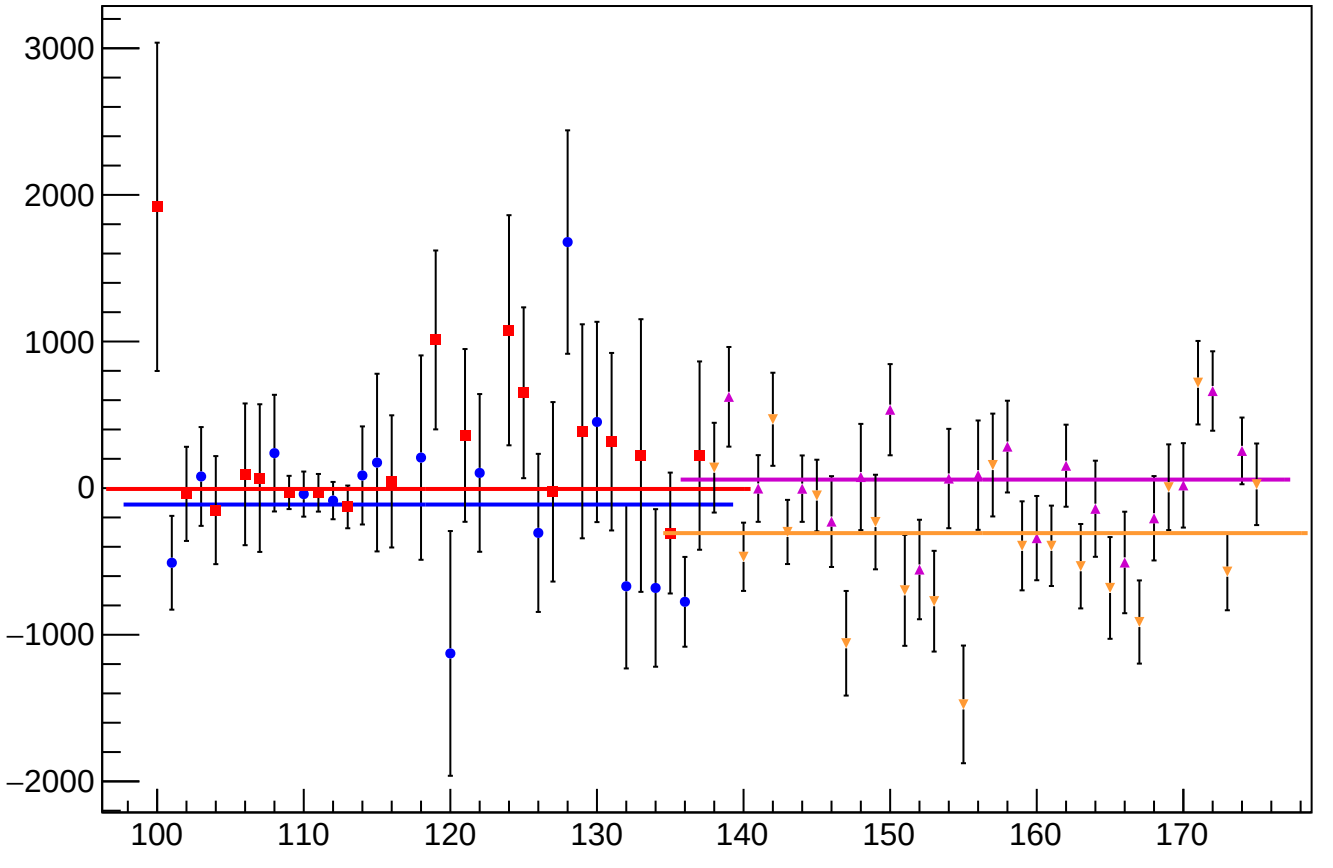
Left: 57.018+/-0.007 χ^2/NDF: 141121.9/37

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.218+/-0.009 χ^2/NDF:341786.7/33

Out: 58.614+/-0.009 χ^2/NDF:460344.6/38

All: 58.420+/-0.006 χ^2/NDF: 803164.2/72



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 58.317+/-68.956 χ^2/NDF:21.6/17

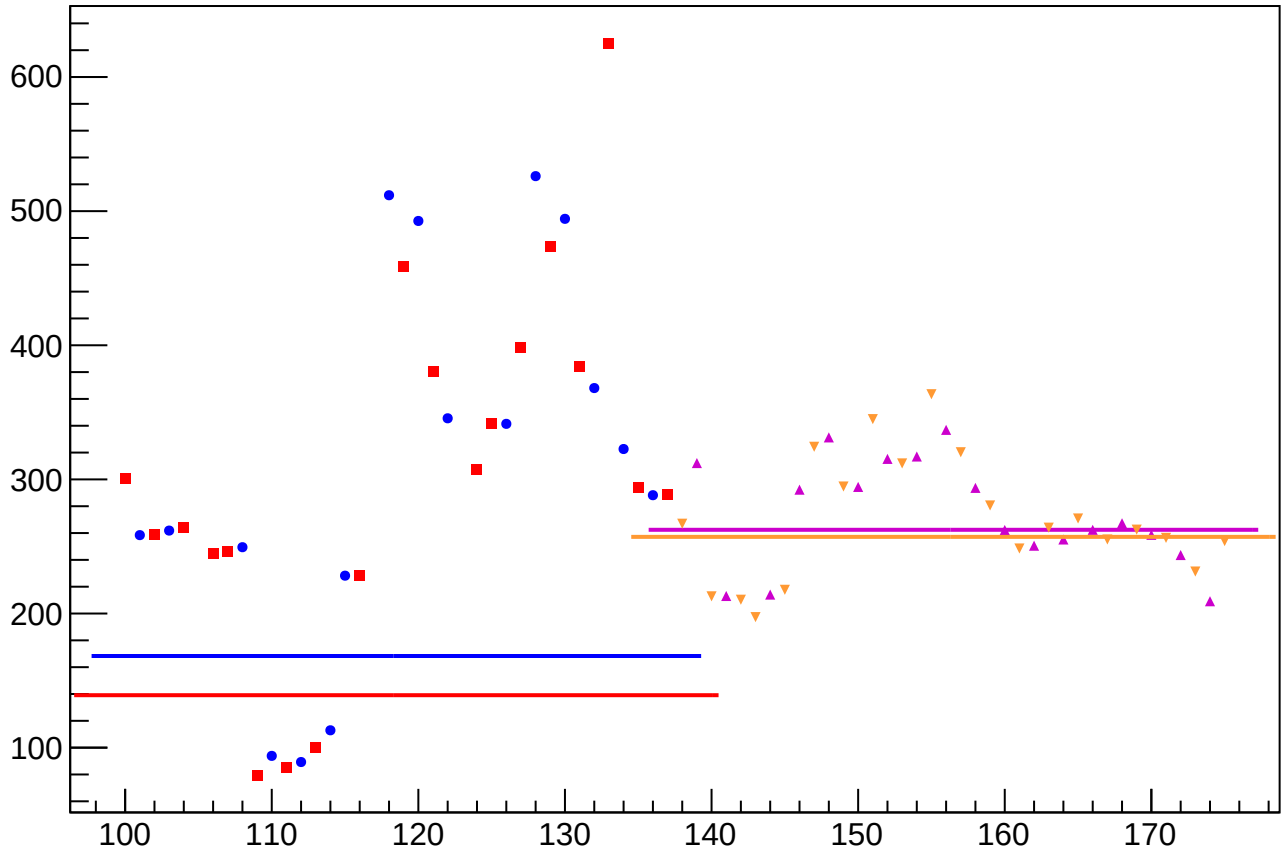
Left: -133.288+/-47.534 χ^2/NDF: 86.6/37

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -18.288+/-51.133 χ^2/NDF:42.8/33

Out: -152.644+/-45.846 χ^2/NDF:72.8/38

All: -92.768+/-34.135 χ^2/NDF: 119.3/72



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

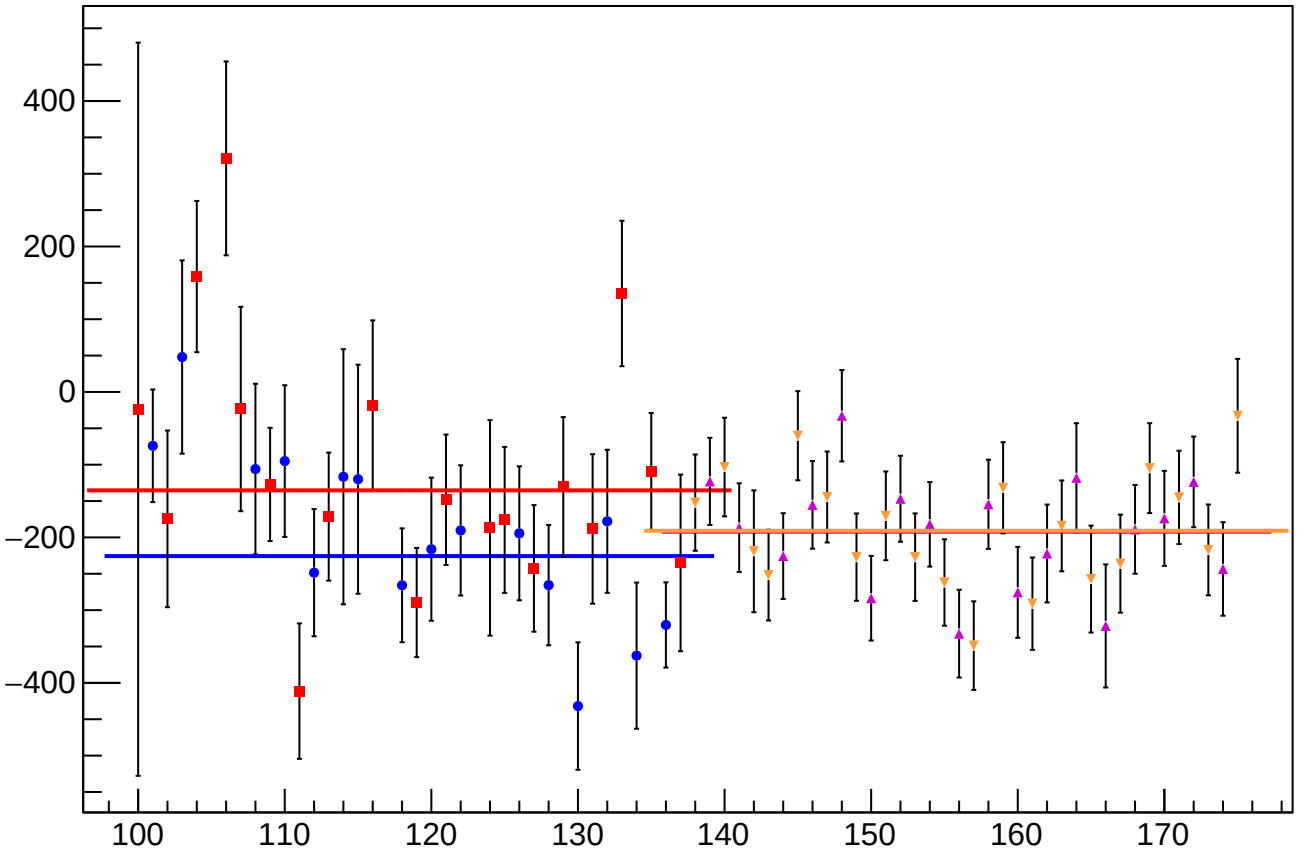
Left: 259.660+/-0.034 χ^2/NDF: 1491544.3/37

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.071+/-0.036 χ^2/NDF:6885925.7/33

Out: 196.736+/-0.032 χ^2/NDF:9263187.1/38

All: 207.135+/-0.024 χ^2/NDF: 16380016.6/72



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -192.223+/-14.777 χ^2/NDF:24.6/17

Left: -191.516+/-10.308 χ^2/NDF: 53.1/37

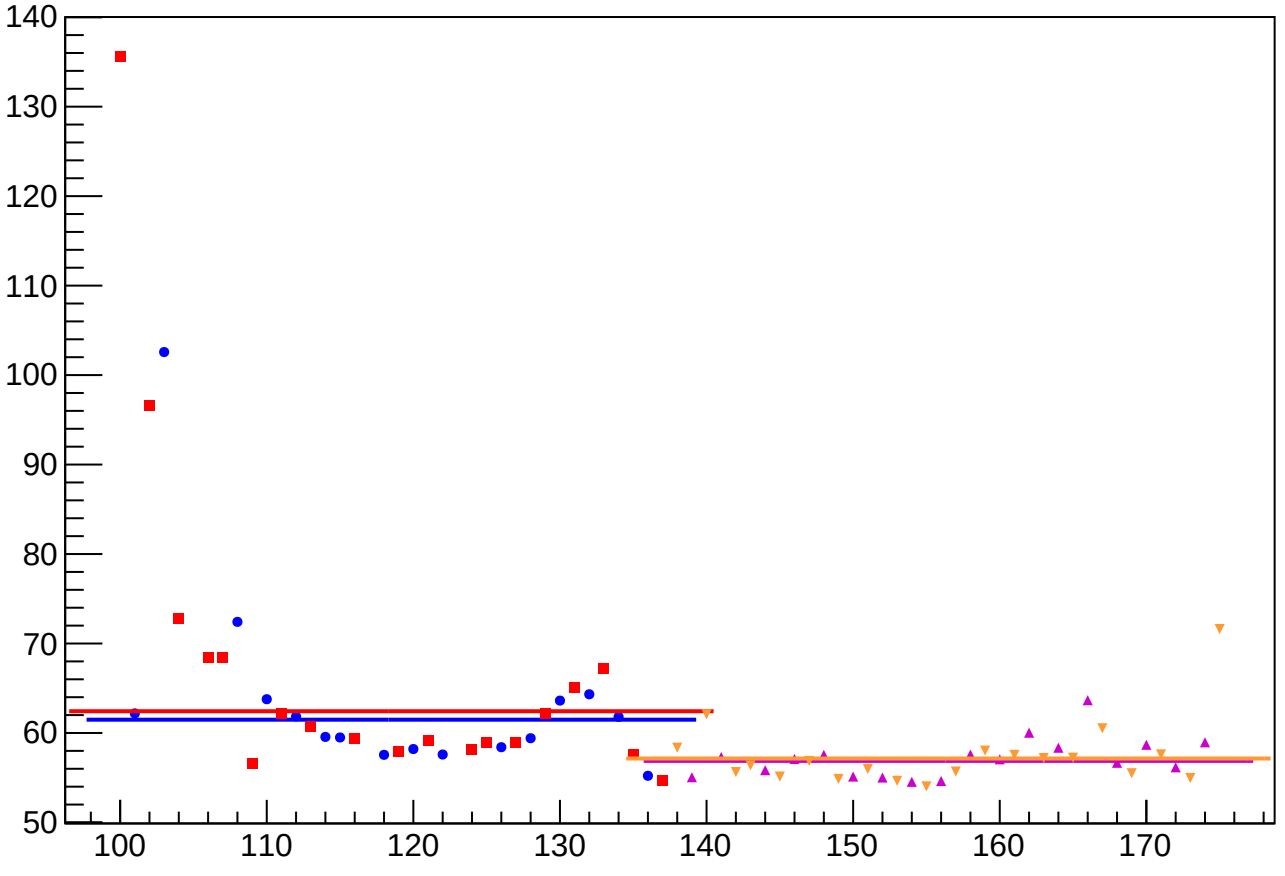
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.931+/-12.451 χ^2/NDF:48.7/33

Out: -175.425+/-12.228 χ^2/NDF:77.6/38

All: -188.438+/-8.724 χ^2/NDF: 128.6/72

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

Left: 57.018+/-0.007 χ^2/NDF: 141121.9/37

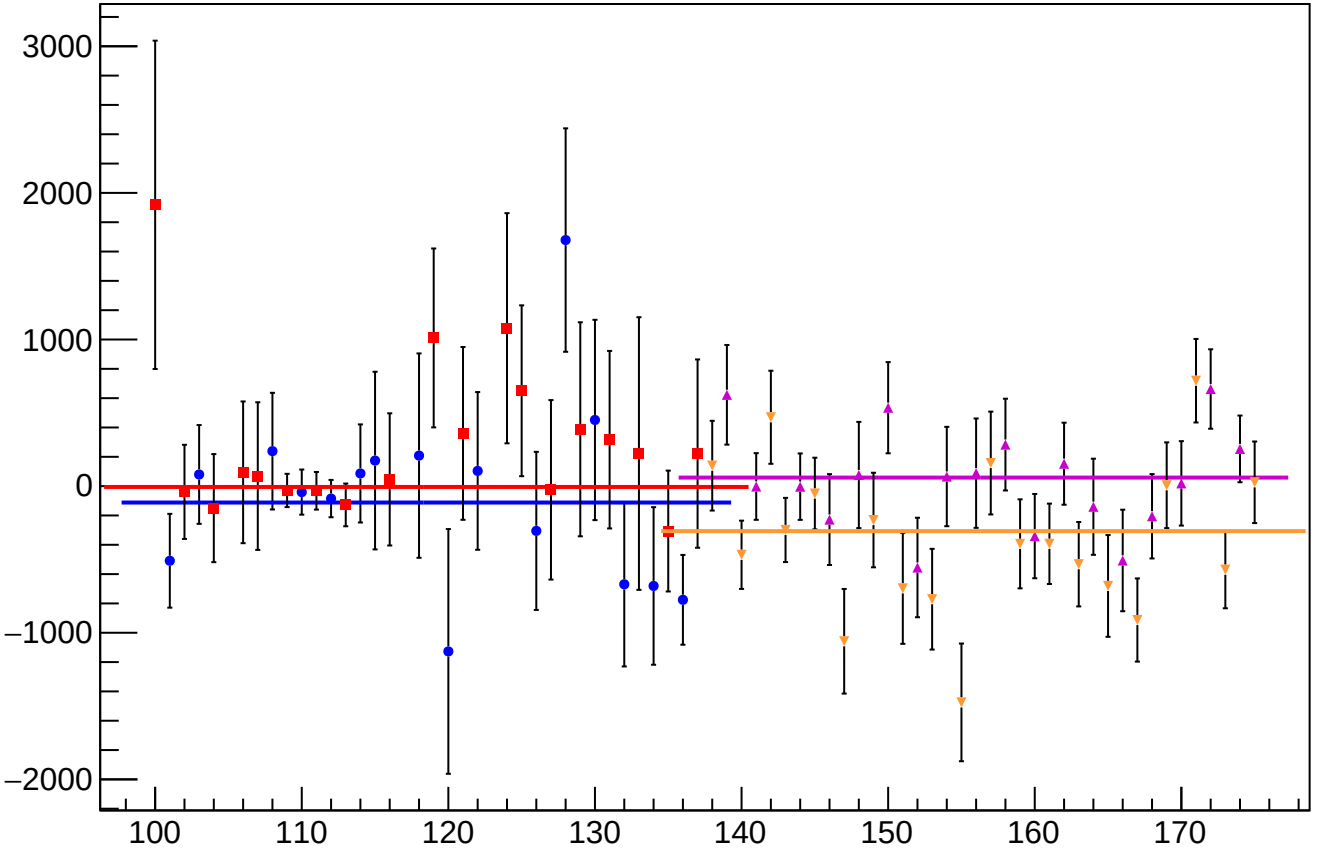
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.218+/-0.009 χ^2/NDF:341786.7/33

Out: 58.614+/-0.009 χ^2/NDF:460344.6/38

All: 58.420+/-0.006 χ^2/NDF: 803164.2/72

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 58.317+/-68.956 χ^2/NDF:21.6/17

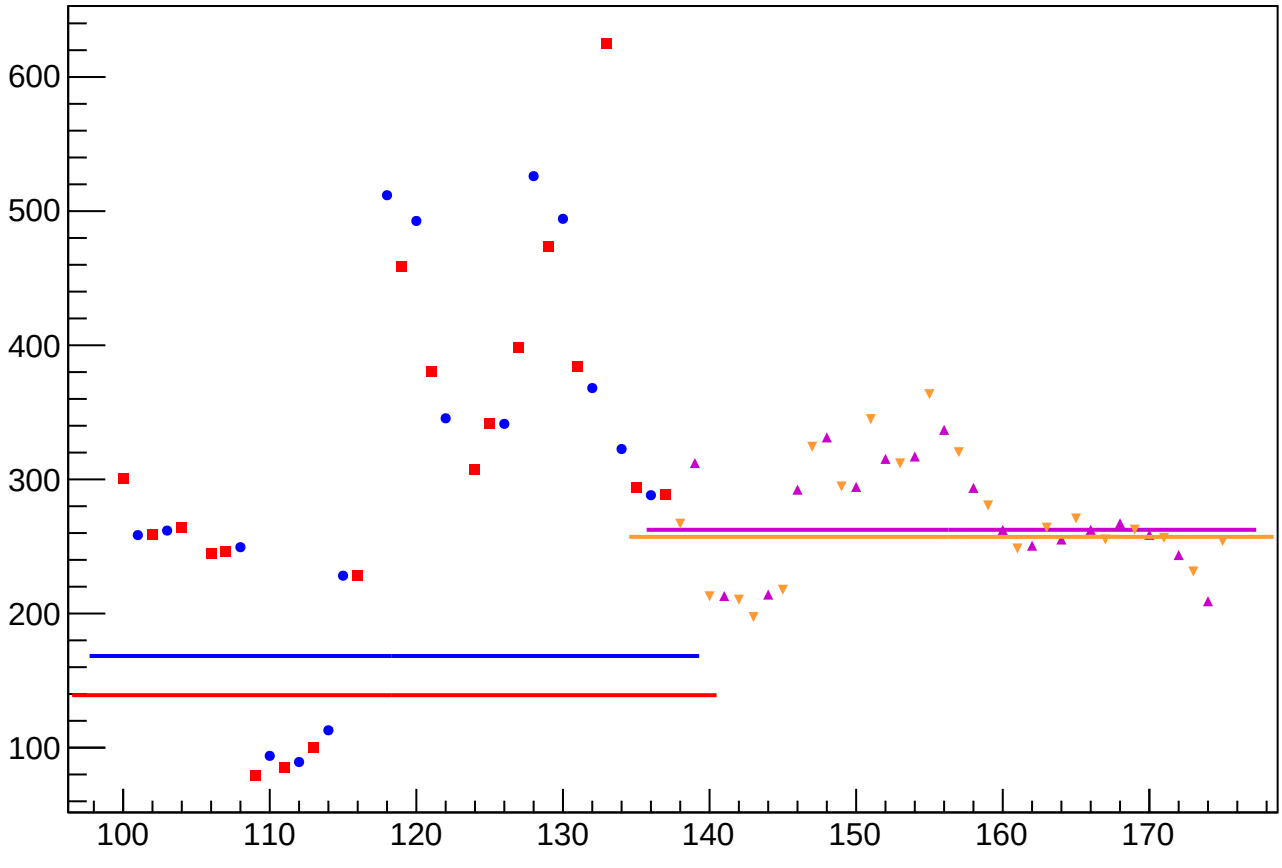
Left: -133.288+/-47.534 χ^2/NDF: 86.6/37

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -18.288+/-51.133 χ^2/NDF:42.8/33

Out: -152.644+/-45.846 χ^2/NDF:72.8/38

All: -92.768+/-34.135 χ^2/NDF: 119.3/72



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

Left: 259.660+/-0.034 χ^2/NDF: 1491544.3/37

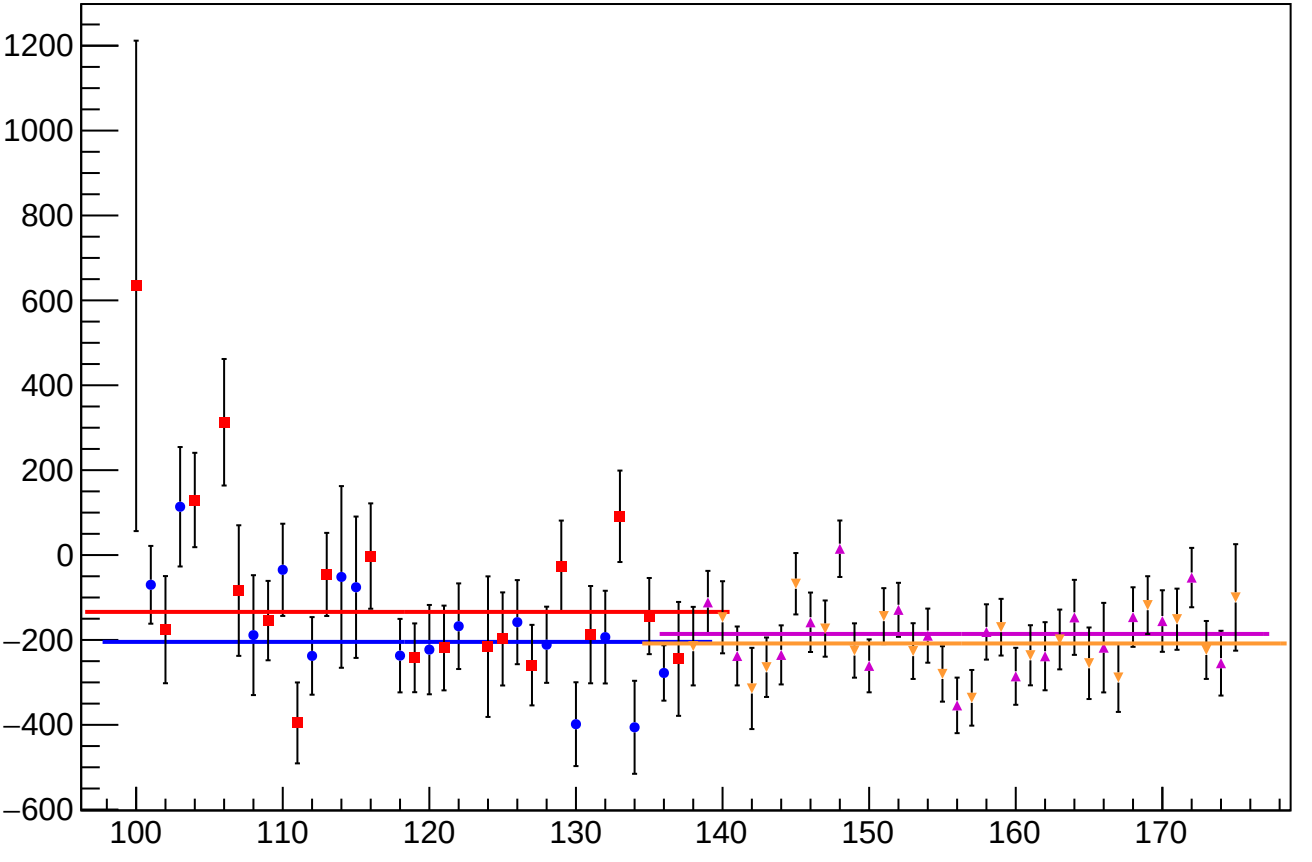
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.071+/-0.036 χ^2/NDF:6885925.7/33

Out: 196.736+/-0.032 χ^2/NDF:9263187.1/38

All: 207.135+/-0.024 χ^2/NDF: 16380016.6/72

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -208.278+/-16.297 χ^2/NDF:17.6/19

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -185.849+/-16.644 χ^2/NDF:28.0/17

Left: -197.300+/-11.644 χ^2/NDF: 46.5/37

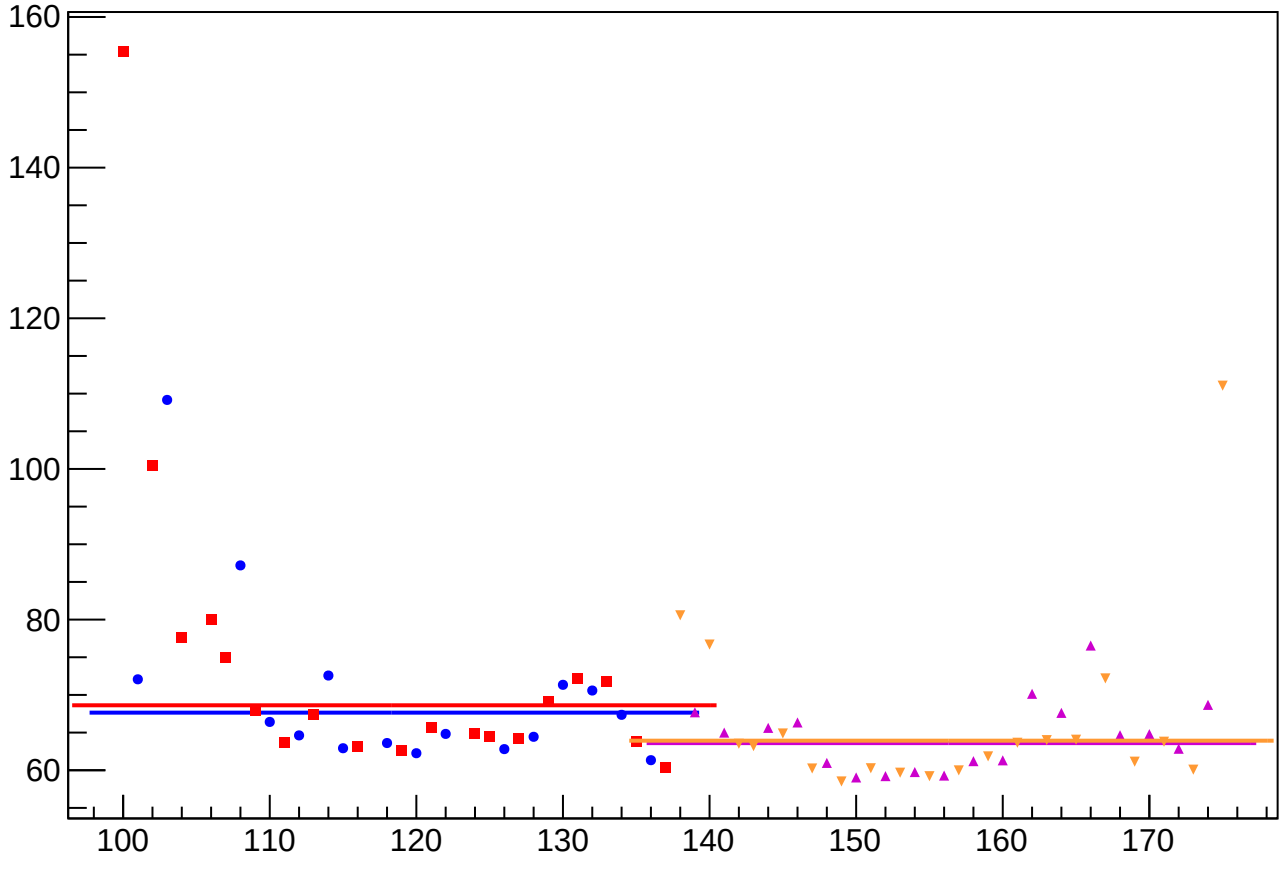
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -191.437+/-13.942 χ^2/NDF:48.4/33

Out: -186.697+/-13.729 χ^2/NDF:60.8/38

All: -189.030+/-9.782 χ^2/NDF: 109.3/72

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478058.6/19

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.602+/-0.012 χ^2/NDF:113587.8/17

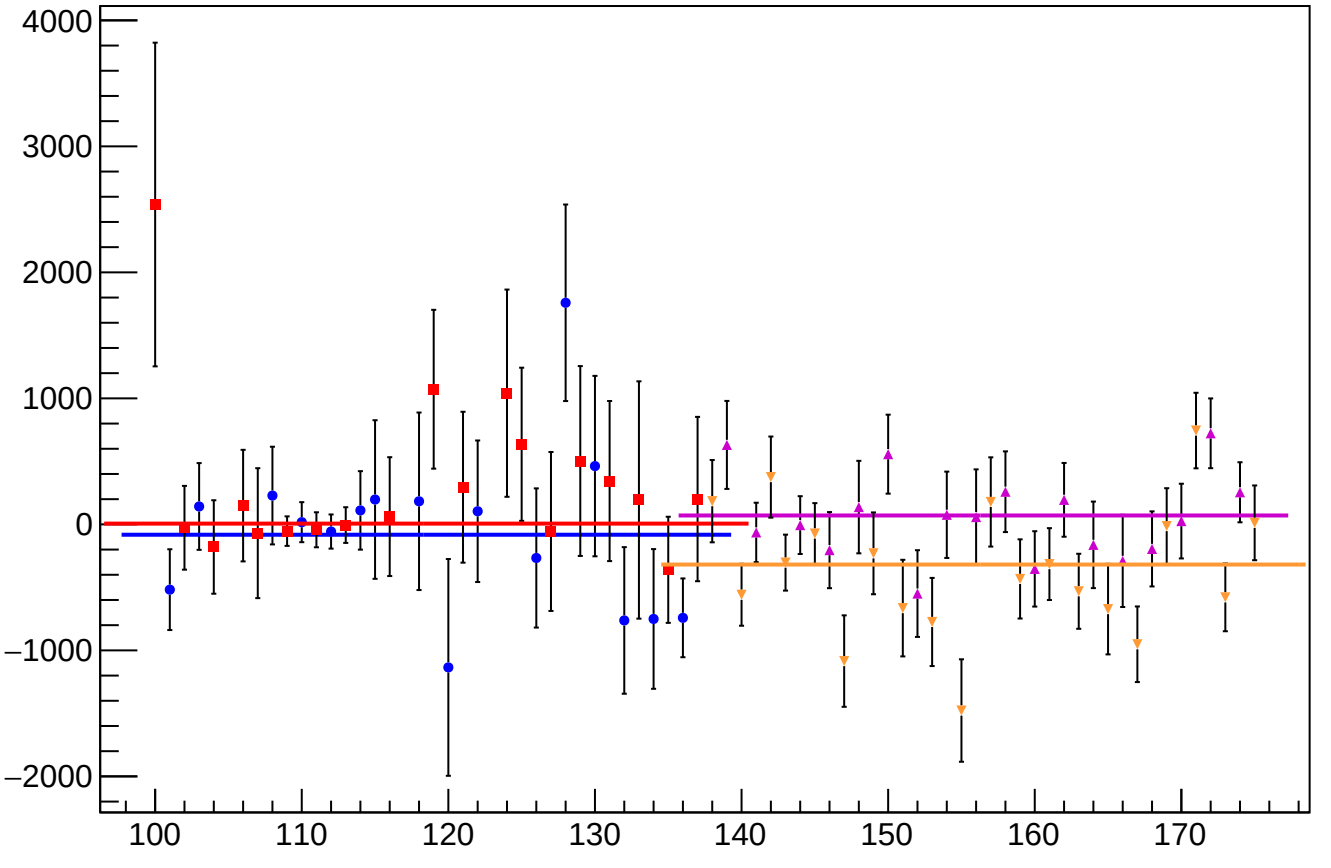
Left: 63.767+/-0.008 χ^2/NDF: 592031.7/37

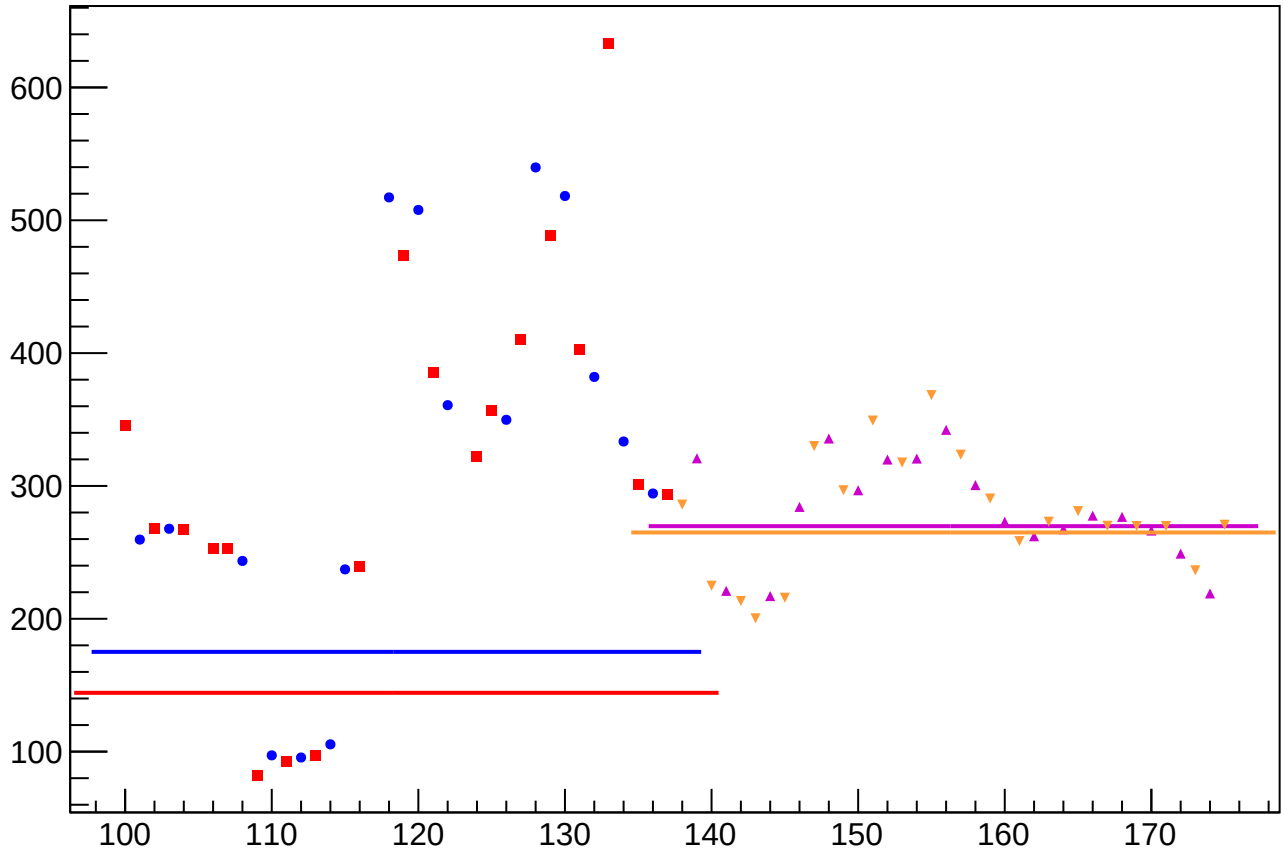
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.809+/-0.010 χ^2/NDF:412516.3/33

Out: 65.289+/-0.010 χ^2/NDF:774486.4/38

All: 65.052+/-0.007 χ^2/NDF: 1188206.9/72


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -318.795+/-67.561 χ²/NDF:48.0/19
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 70.642+/-70.788 χ²/NDF:20.5/17
Left: -133.156+/-48.874 χ²/NDF: 84.3/37
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: 2.252+/-52.623 χ²/NDF:41.7/33
Out: -152.349+/-47.178 χ²/NDF:71.9/38
All: -83.458+/-35.128 χ²/NDF: 118.4/72



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.977+/-0.048 χ^2/NDF:819110.3/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 269.730+/-0.050 χ^2/NDF:601634.7/17

Left: 267.242+/-0.035 χ^2/NDF: 1425463.2/37

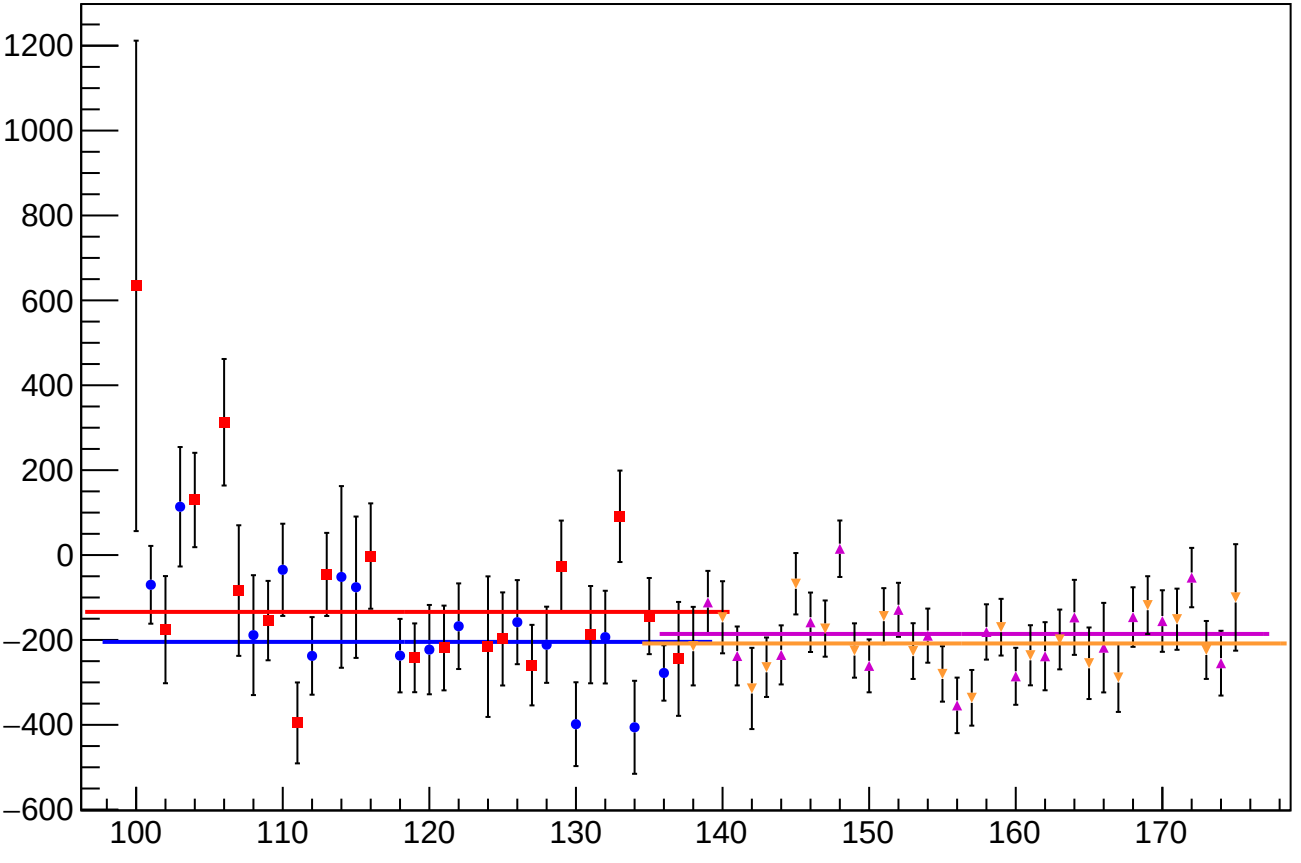
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 227.394+/-0.037 χ^2/NDF:6629668.0/33

Out: 203.134+/-0.033 χ^2/NDF:9222209.4/38

All: 213.944+/-0.025 χ^2/NDF: 16087545.0/72

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -208.278+/-16.297 χ^2/NDF:17.6/19

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -185.850+/-16.644 χ^2/NDF:28.0/17

Left: -197.300+/-11.644 χ^2/NDF: 46.5/37

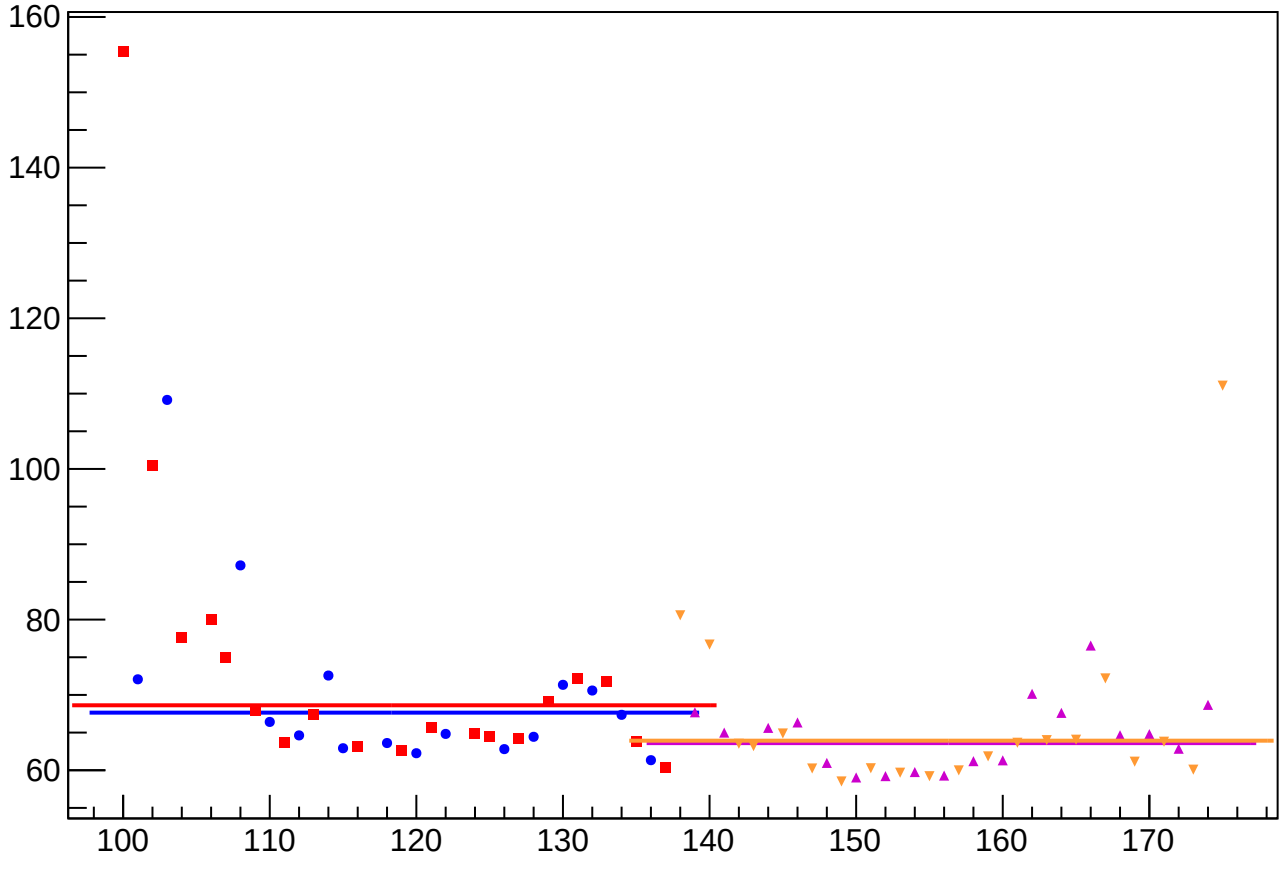
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -191.437+/-13.942 χ^2/NDF:48.4/33

Out: -186.697+/-13.729 χ^2/NDF:60.8/38

All: -189.031+/-9.782 χ^2/NDF: 109.3/72

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478057.8/19

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.602+/-0.012 χ^2/NDF:113588.0/17

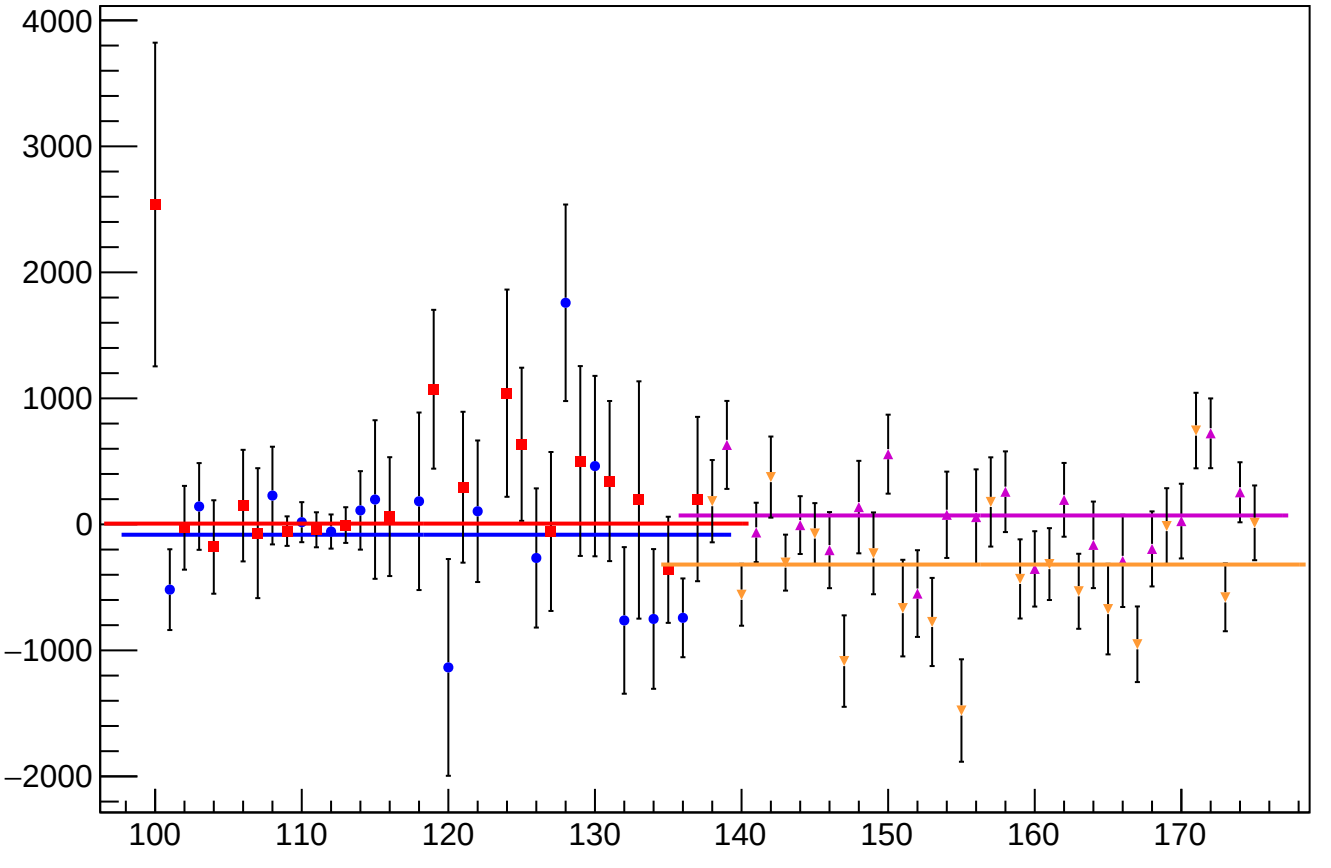
Left: 63.767+/-0.008 χ^2/NDF: 592031.0/37

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.809+/-0.010 χ^2/NDF:412511.8/33

Out: 65.289+/-0.010 χ^2/NDF:774482.3/38

All: 65.052+/-0.007 χ^2/NDF: 1188198.1/72



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 70.642+/-70.788 χ^2/NDF:20.5/17

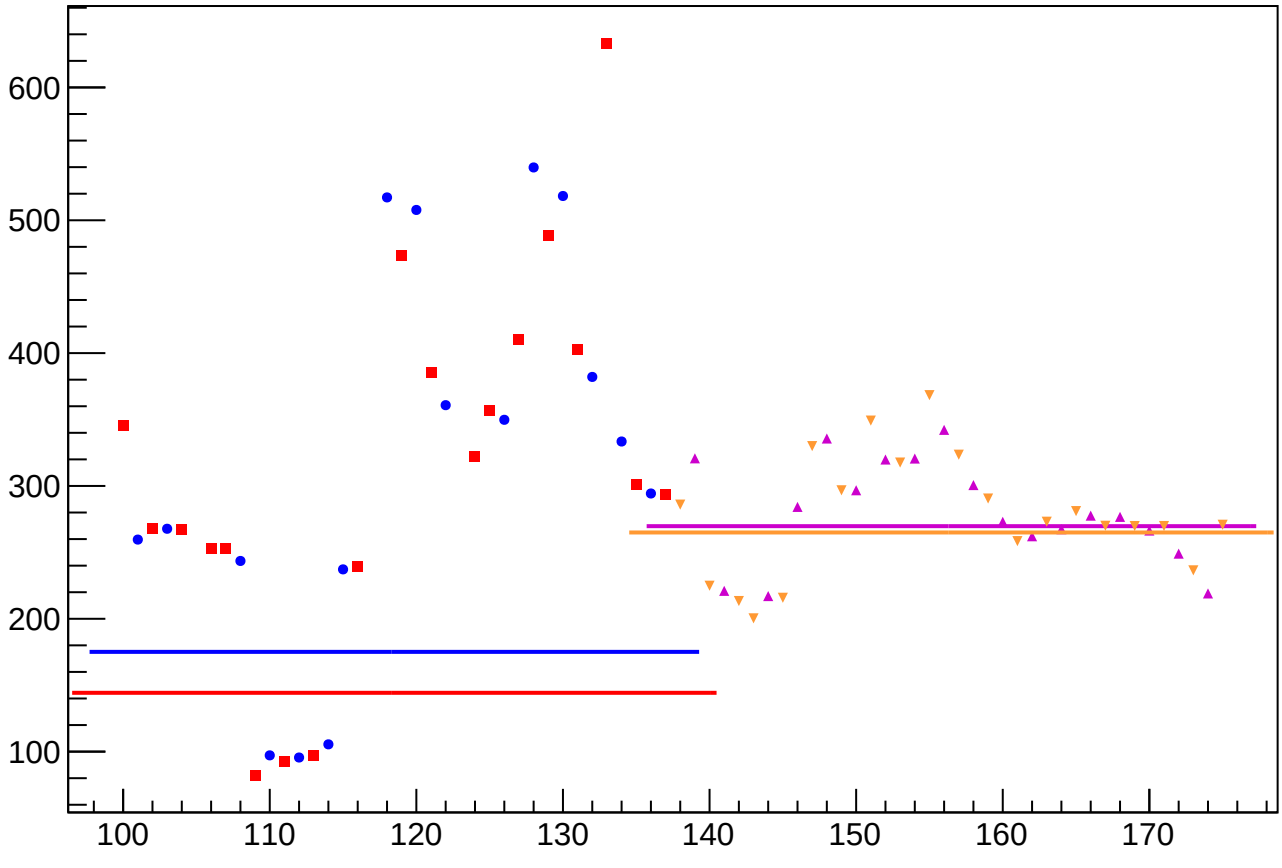
Left: -133.156+/-48.874 χ^2/NDF: 84.3/37

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 2.252+/-52.623 χ^2/NDF:41.7/33

Out: -152.349+/-47.178 χ^2/NDF:71.9/38

All: -83.458+/-35.128 χ^2/NDF: 118.4/72



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.976+/-0.048 χ^2/NDF:819119.7/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 269.729+/-0.050 χ^2/NDF:601639.6/17

Left: 267.241+/-0.035 χ^2/NDF: 1425477.6/37

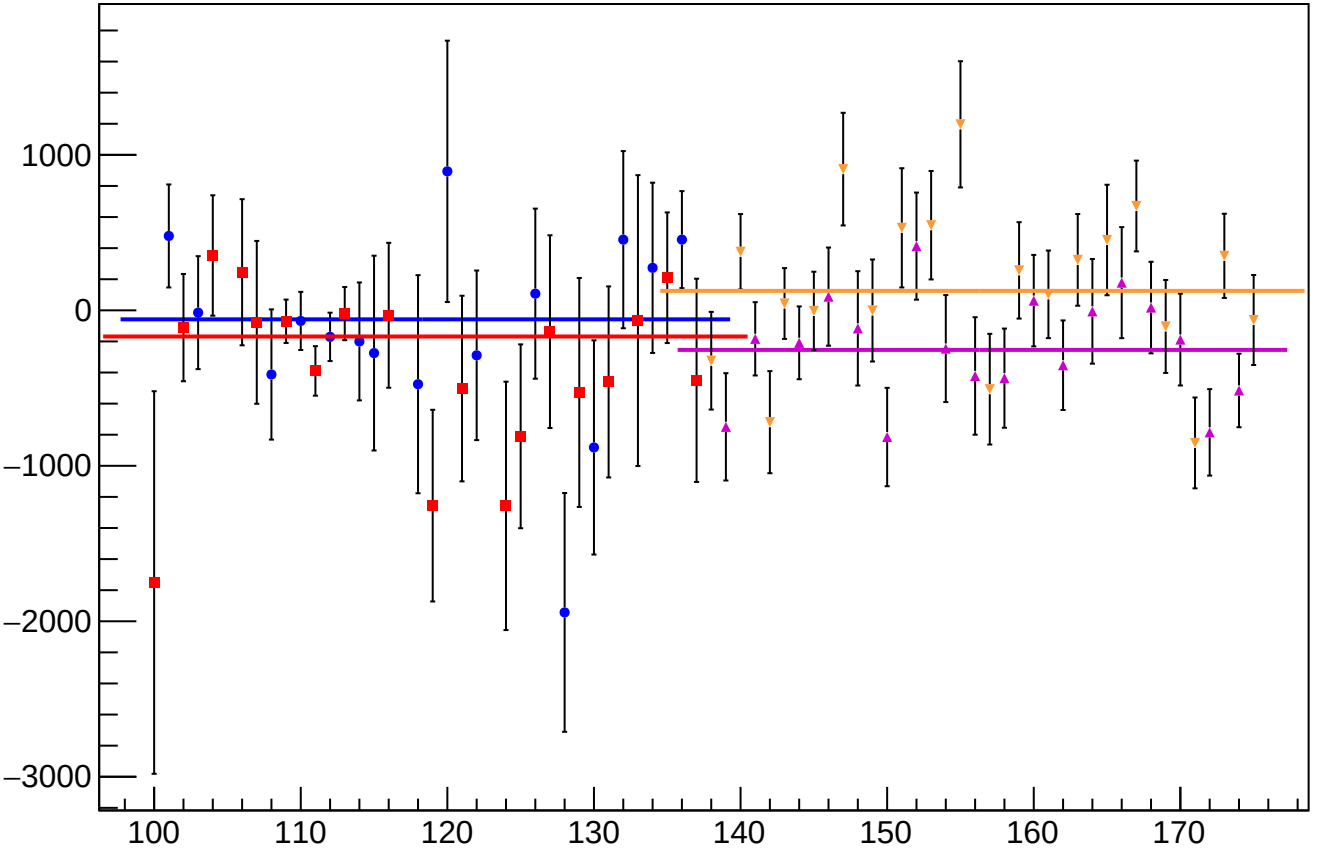
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 227.393+/-0.037 χ^2/NDF:6629724.5/33

Out: 203.133+/-0.033 χ^2/NDF:9222180.4/38

All: 213.944+/-0.025 χ^2/NDF: 16087561.0/72

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 125.280+/-67.429 χ^2/NDF:45.5/19

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -254.470+/-70.738 χ^2/NDF:20.0/17

Left: -55.505+/-48.807 χ^2/NDF: 80.6/37

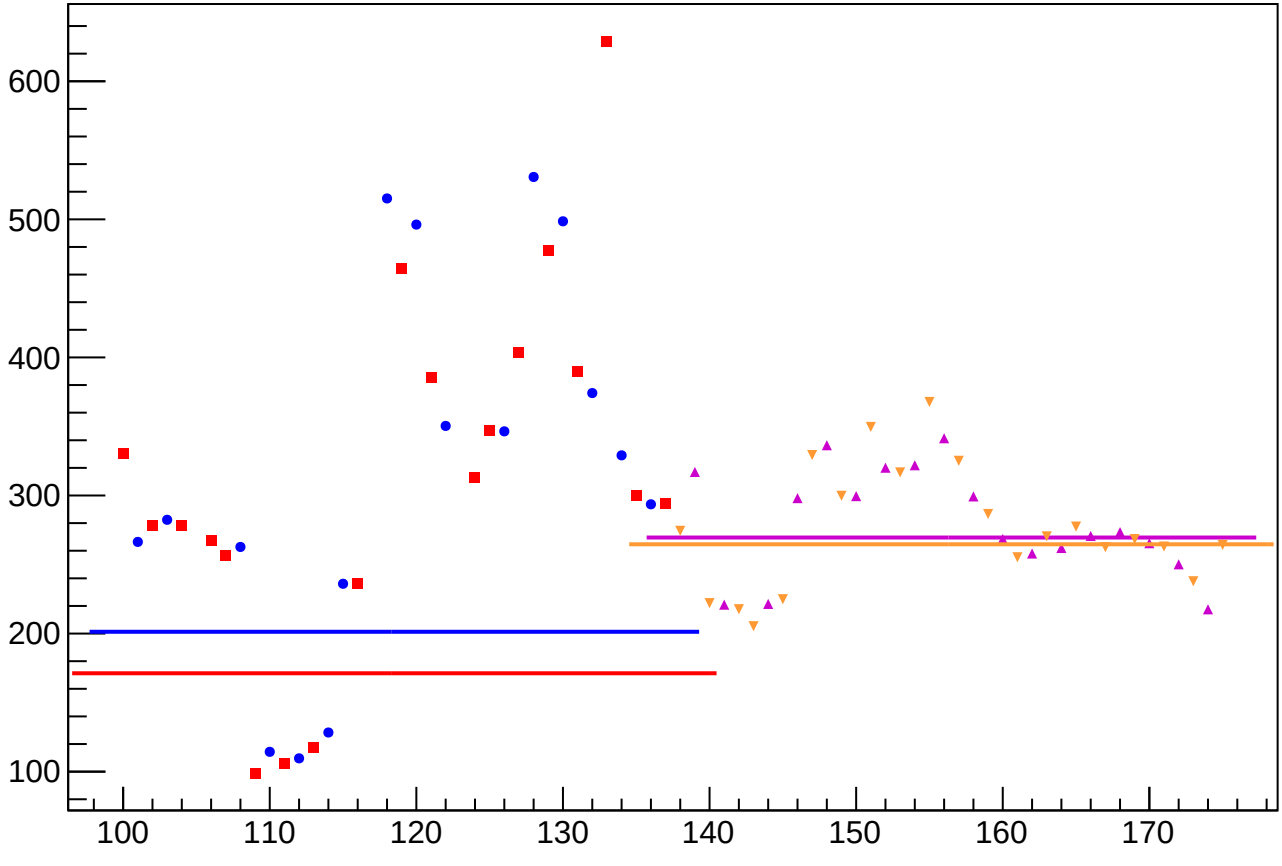
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -176.147+/-54.858 χ^2/NDF:40.4/33

Out: -6.739+/-50.022 χ^2/NDF:69.6/38

All: -83.649+/-36.963 χ^2/NDF: 115.2/72

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.669+/-0.048 χ^2/NDF:741981.5/19

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.560+/-0.050 χ^2/NDF:598362.4/17

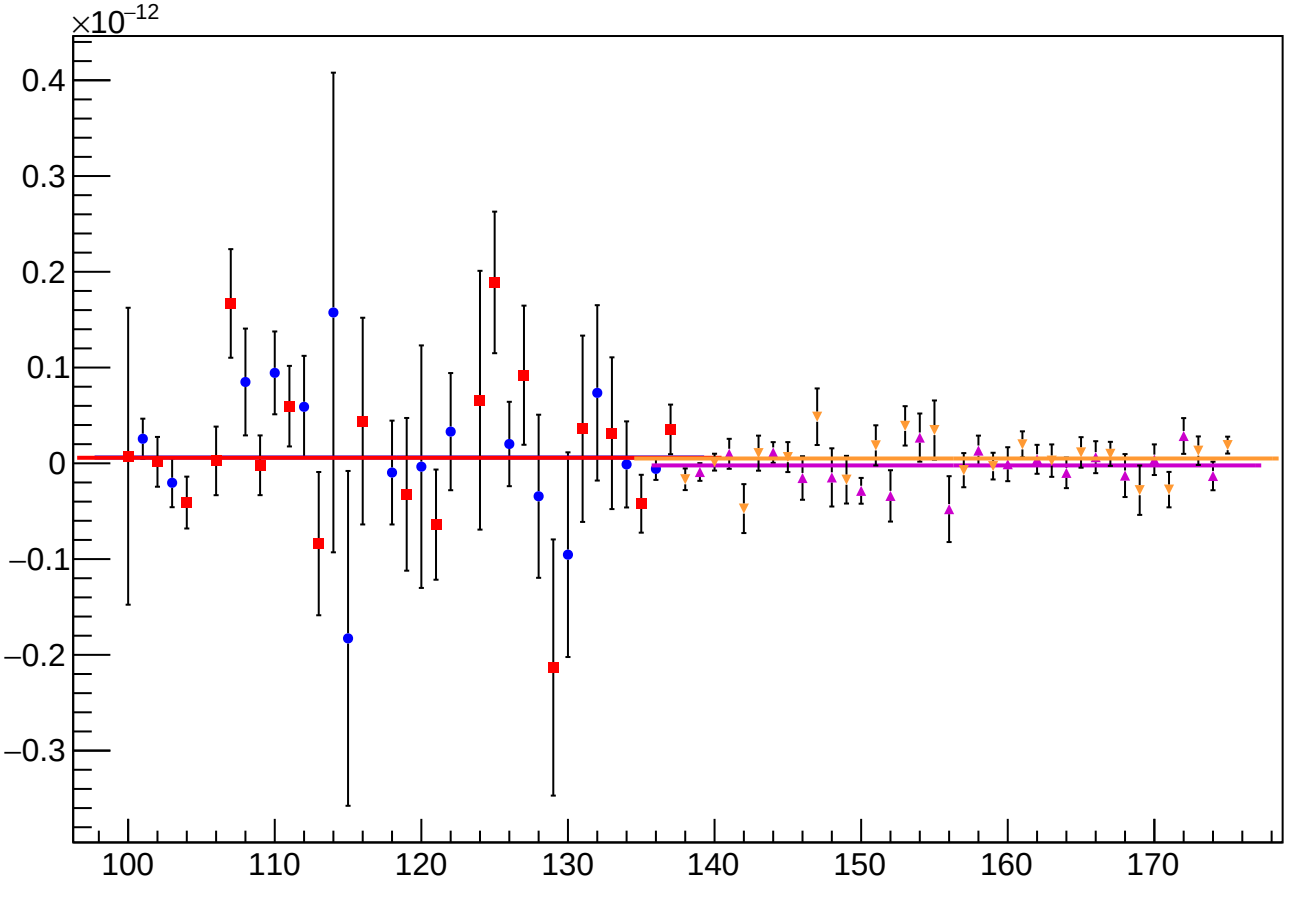
Left: 266.998+/-0.035 χ^2/NDF: 1345354.6/37

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 242.353+/-0.039 χ^2/NDF:4912853.6/33

Out: 222.664+/-0.035 χ^2/NDF:6660646.9/38

All: 231.602+/-0.026 χ^2/NDF: 11714173.8/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/17

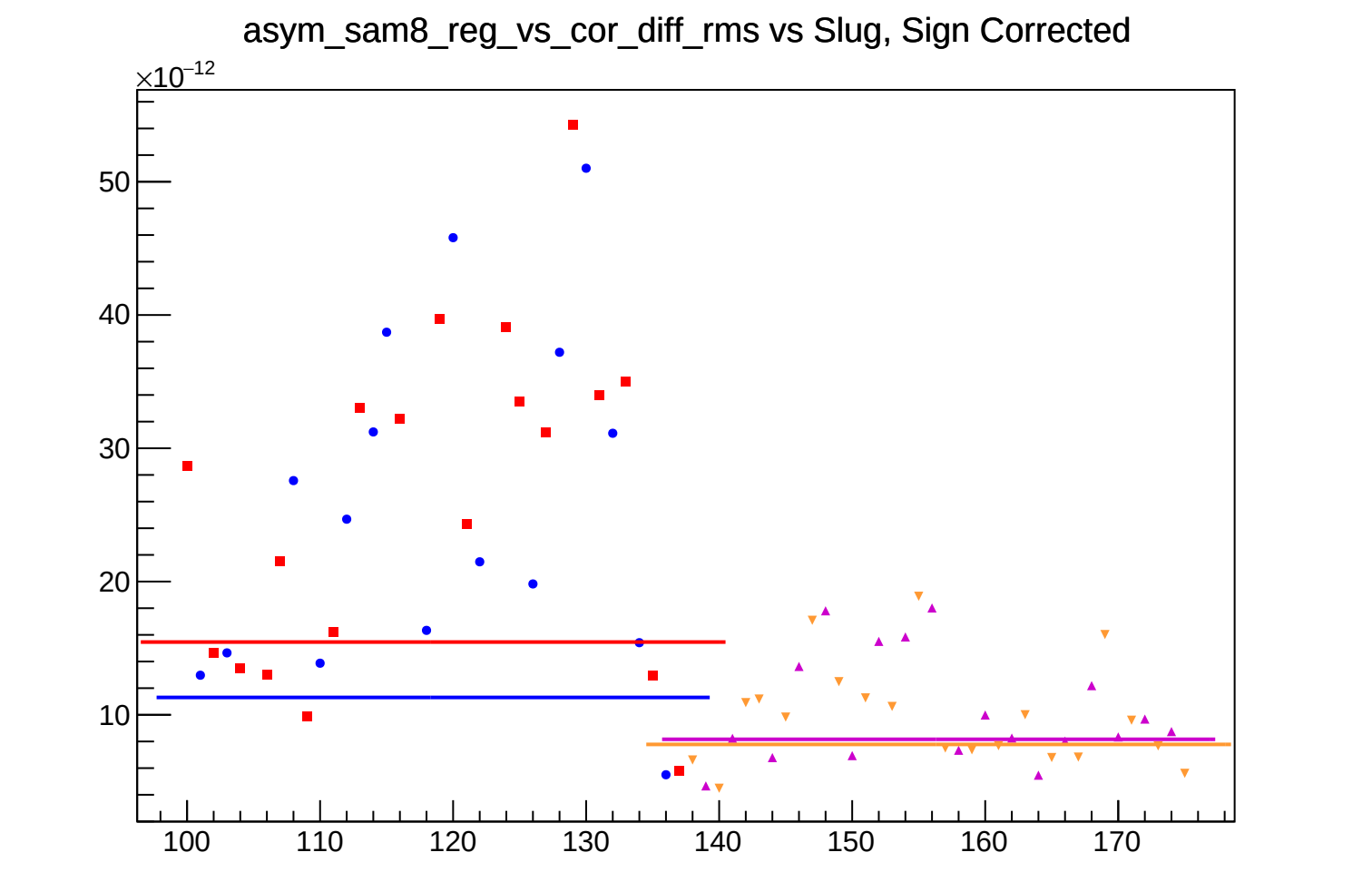
Left: 0.000+/-0.000 χ^2/NDF: 44.0/37

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:31.5/33

Out: 0.000+/-0.000 χ^2/NDF:55.6/38

All: 0.000+/-0.000 χ^2/NDF: 88.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458338.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1318492.9/17

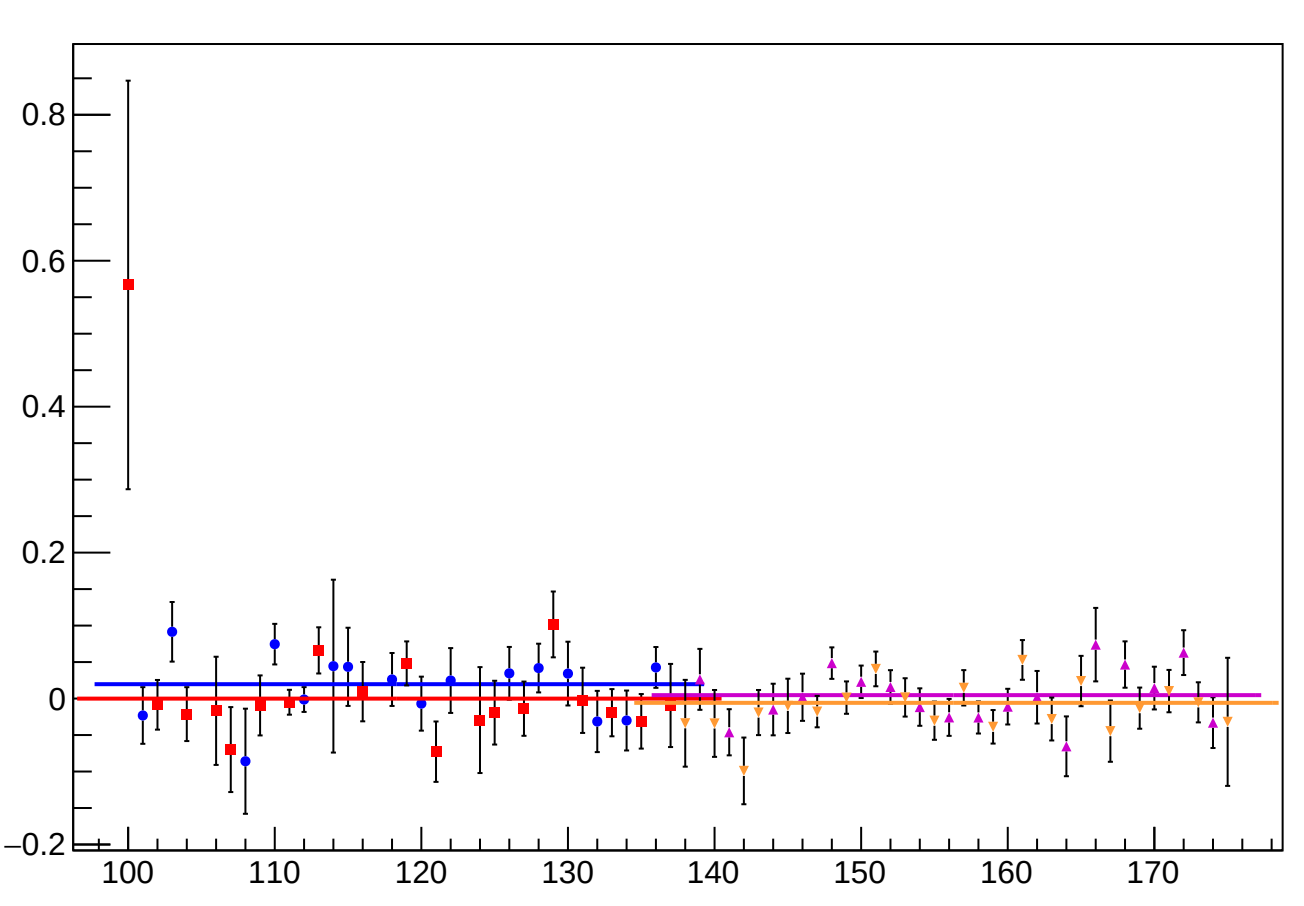
Left: 0.000+/-0.000 χ^2/NDF: 2788211.8/37

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:3345786.3/33

Out: 0.000+/-0.000 χ^2/NDF:3923358.7/38

All: 0.000+/-0.000 χ^2/NDF: 7271710.2/72



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

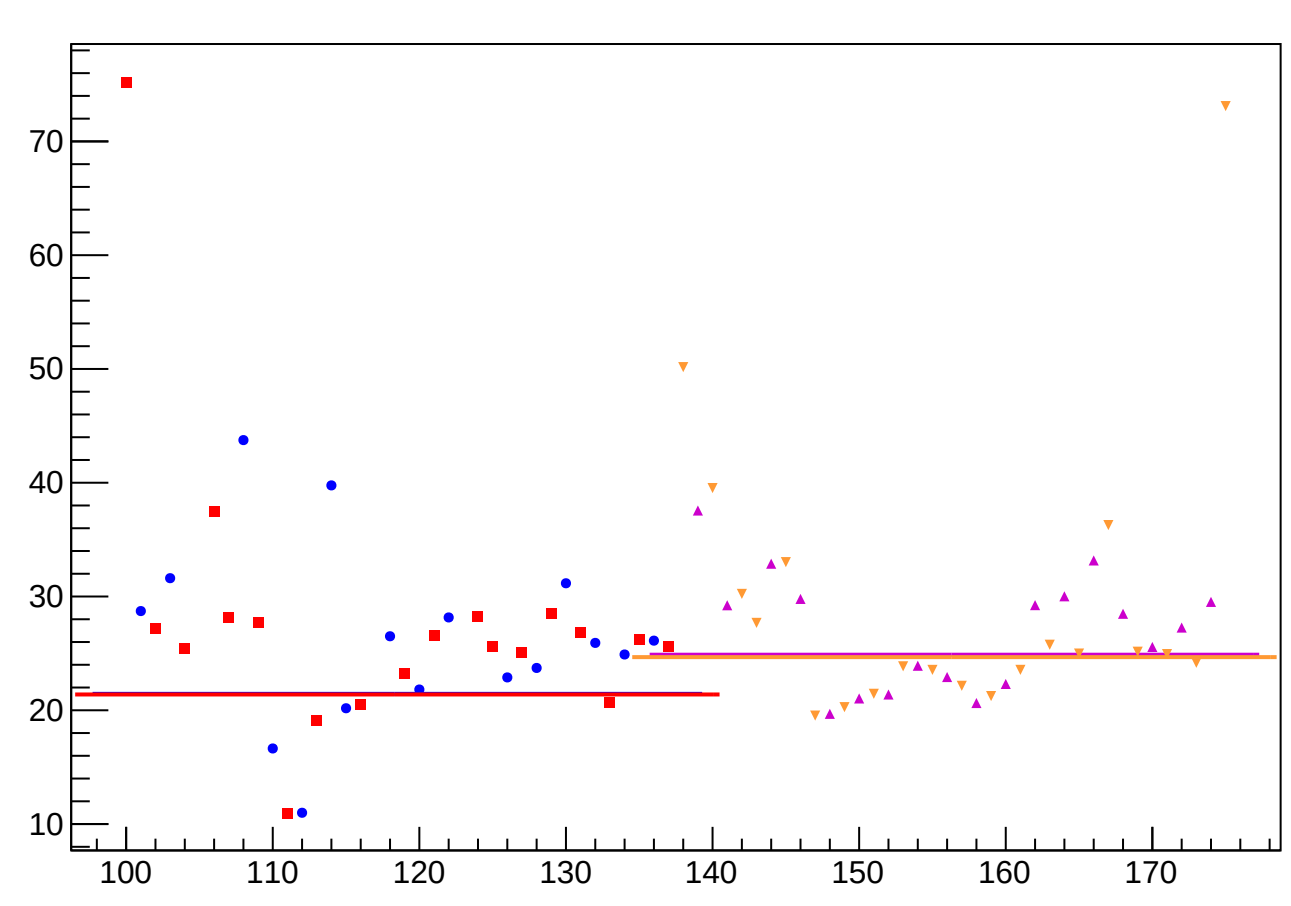
Left: -0.001+/-0.005 χ^2/NDF: 45.4/37

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 89.7/72



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

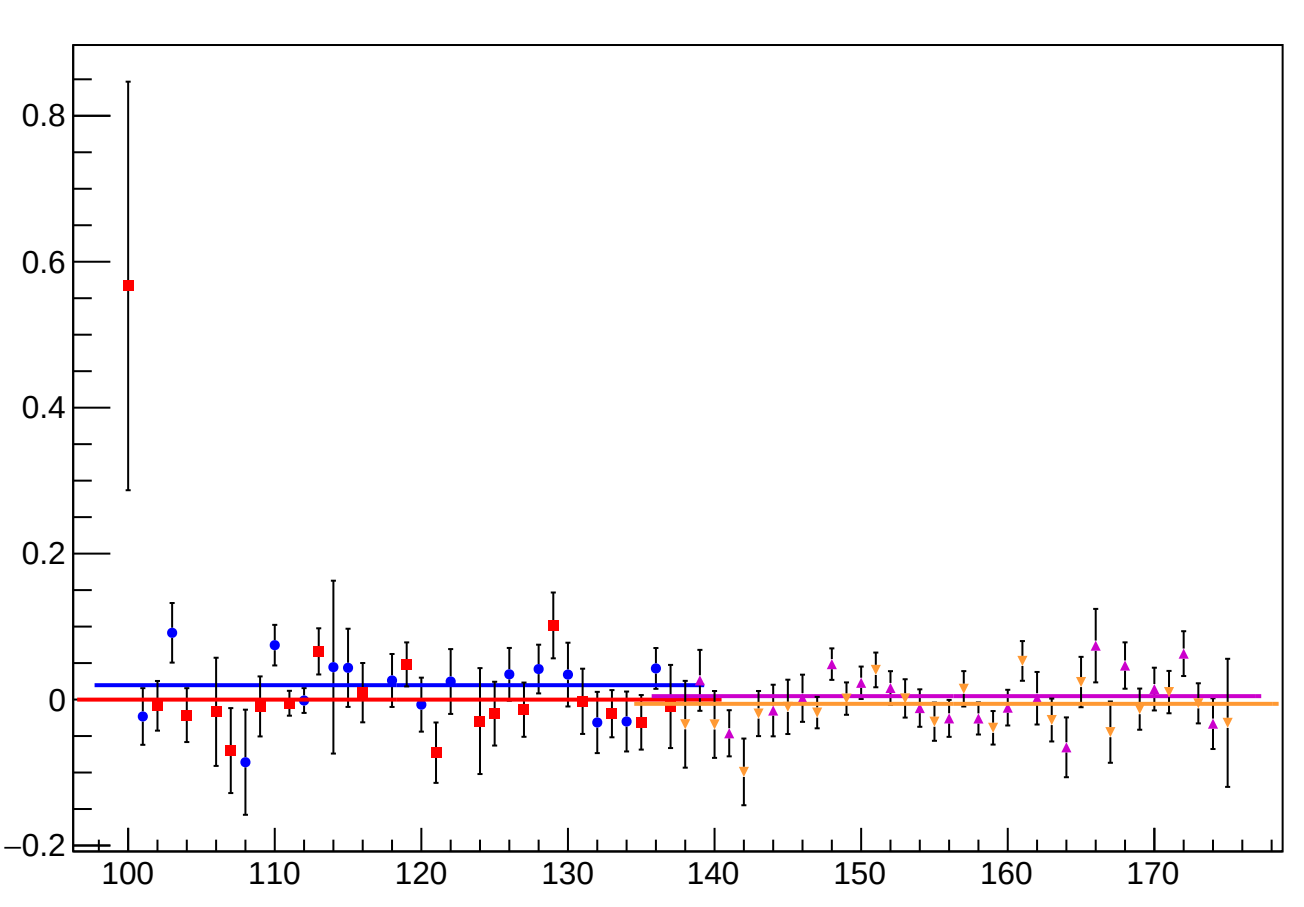
Left: 24.775+/-0.003 χ^2/NDF: 2690680.9/37

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.591+/-0.004 χ^2/NDF:2629488.4/33

Out: 23.449+/-0.004 χ^2/NDF:3295489.8/38

All: 23.518+/-0.003 χ^2/NDF: 5925705.9/72



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

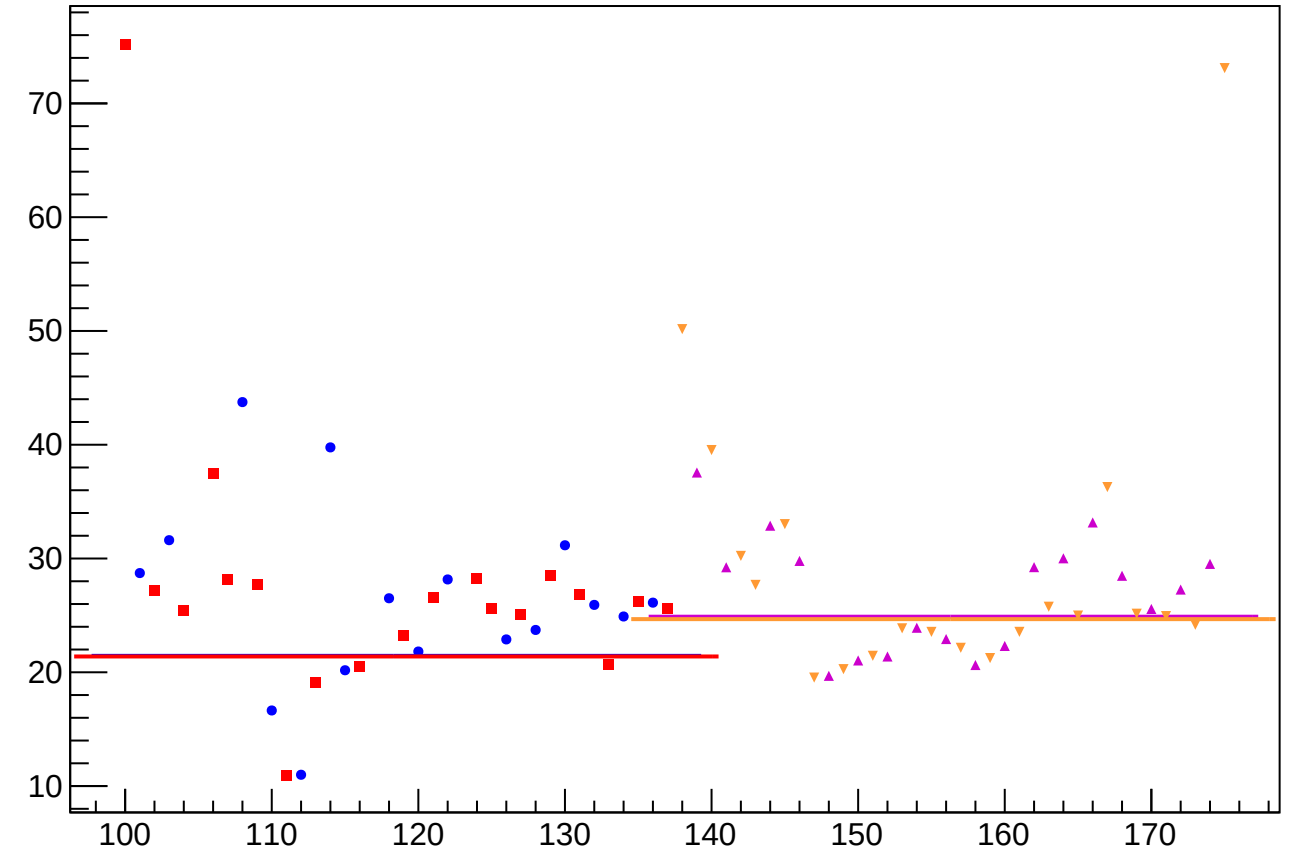
Left: -0.001+/-0.005 χ^2/NDF: 45.4/37

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 89.7/72



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

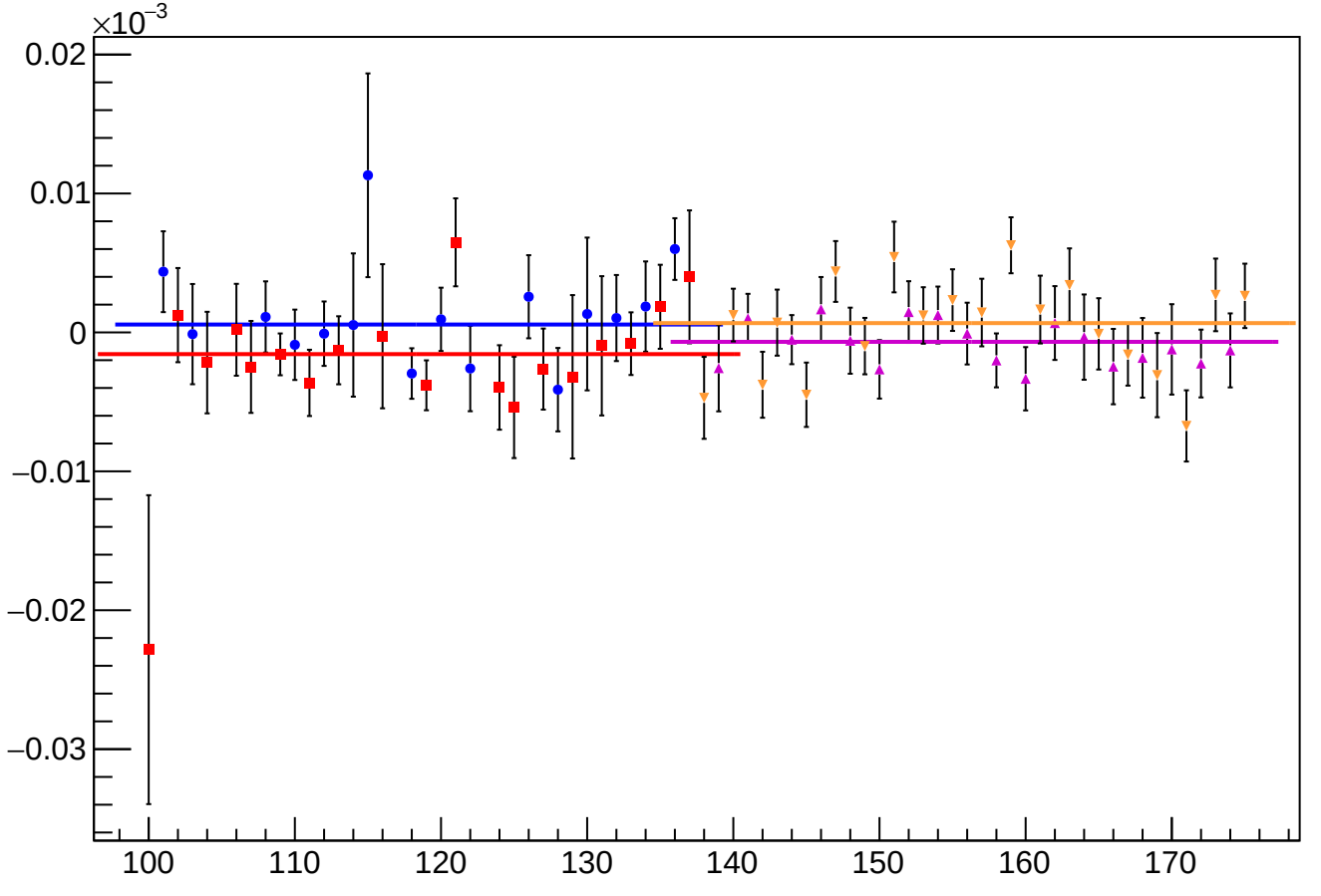
Left: 24.775+/-0.003 χ^2/NDF: 2690680.9/37

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.591+/-0.004 χ^2/NDF:2629488.4/33

Out: 23.449+/-0.004 χ^2/NDF:3295489.8/38

All: 23.518+/-0.003 χ^2/NDF: 5925705.9/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/17

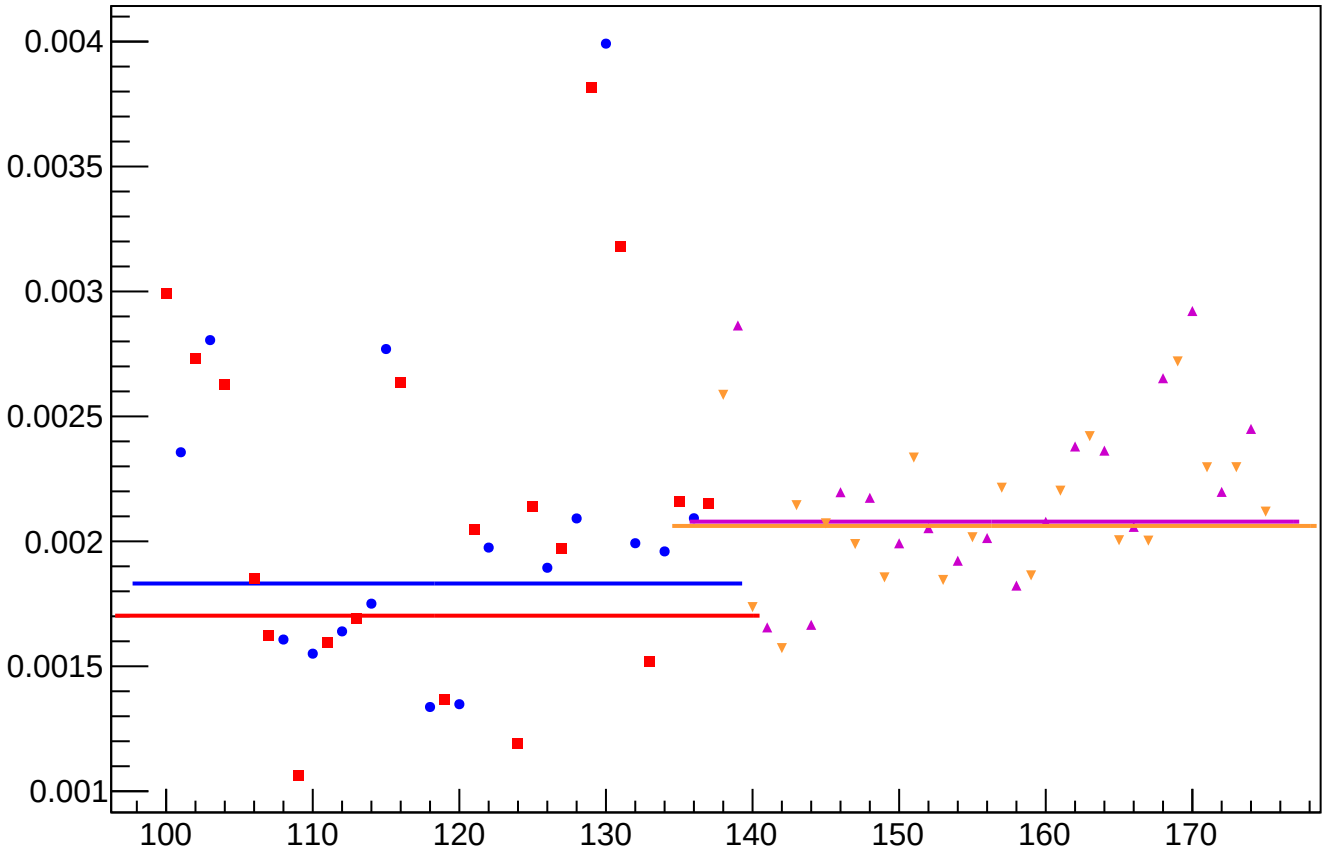
Left: 0.000+/-0.000 χ^2/NDF: 52.4/37

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:28.5/33

Out: -0.000+/-0.000 χ^2/NDF:66.2/38

All: -0.000+/-0.000 χ^2/NDF: 94.7/72



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:480364.8/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:712401.1/17

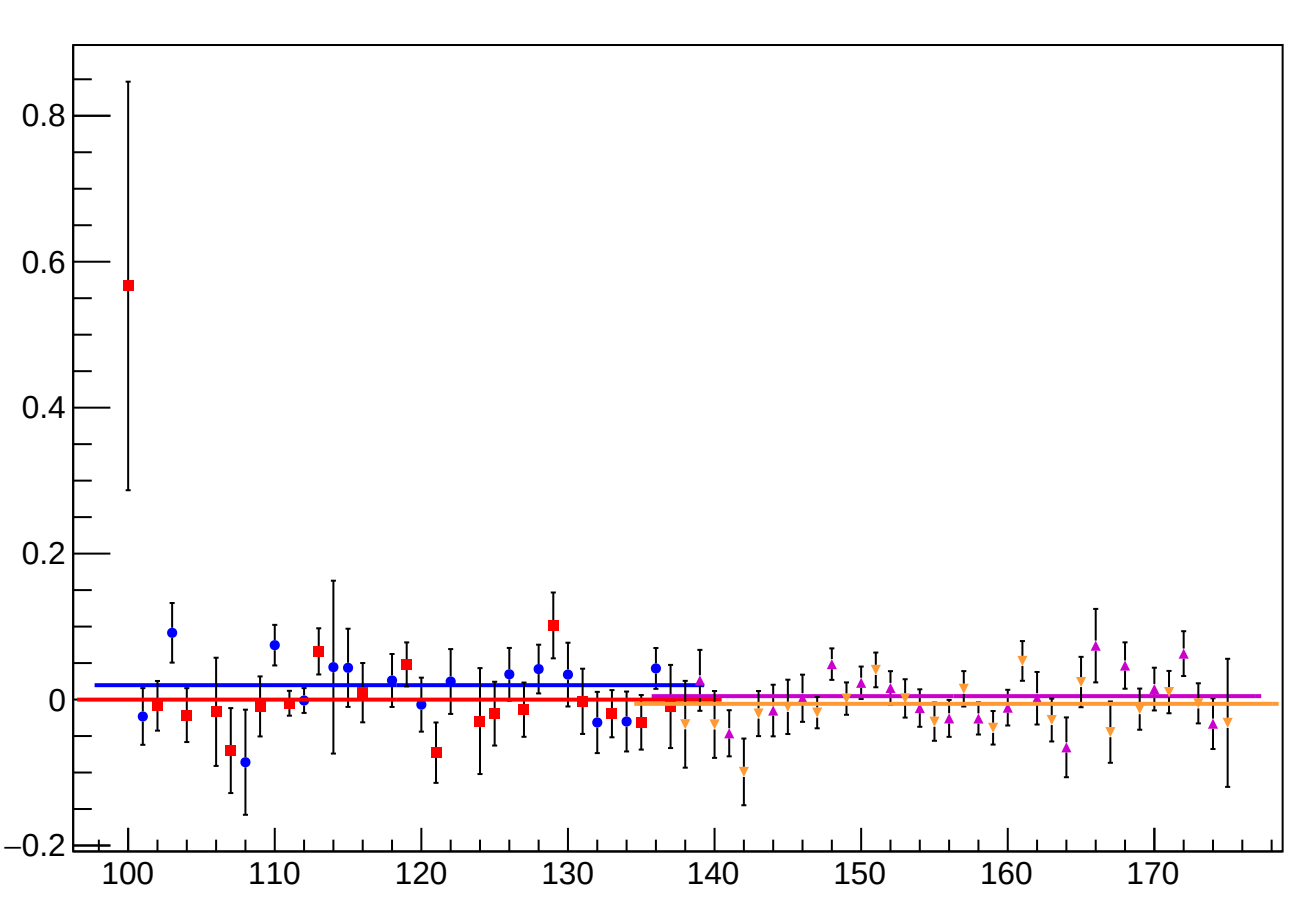
Left: 0.002+/-0.000 χ^2/NDF: 1193801.1/37

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1766383.8/33

Out: 0.002+/-0.000 χ^2/NDF:2322769.7/38

All: 0.002+/-0.000 χ^2/NDF: 4111644.0/72



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

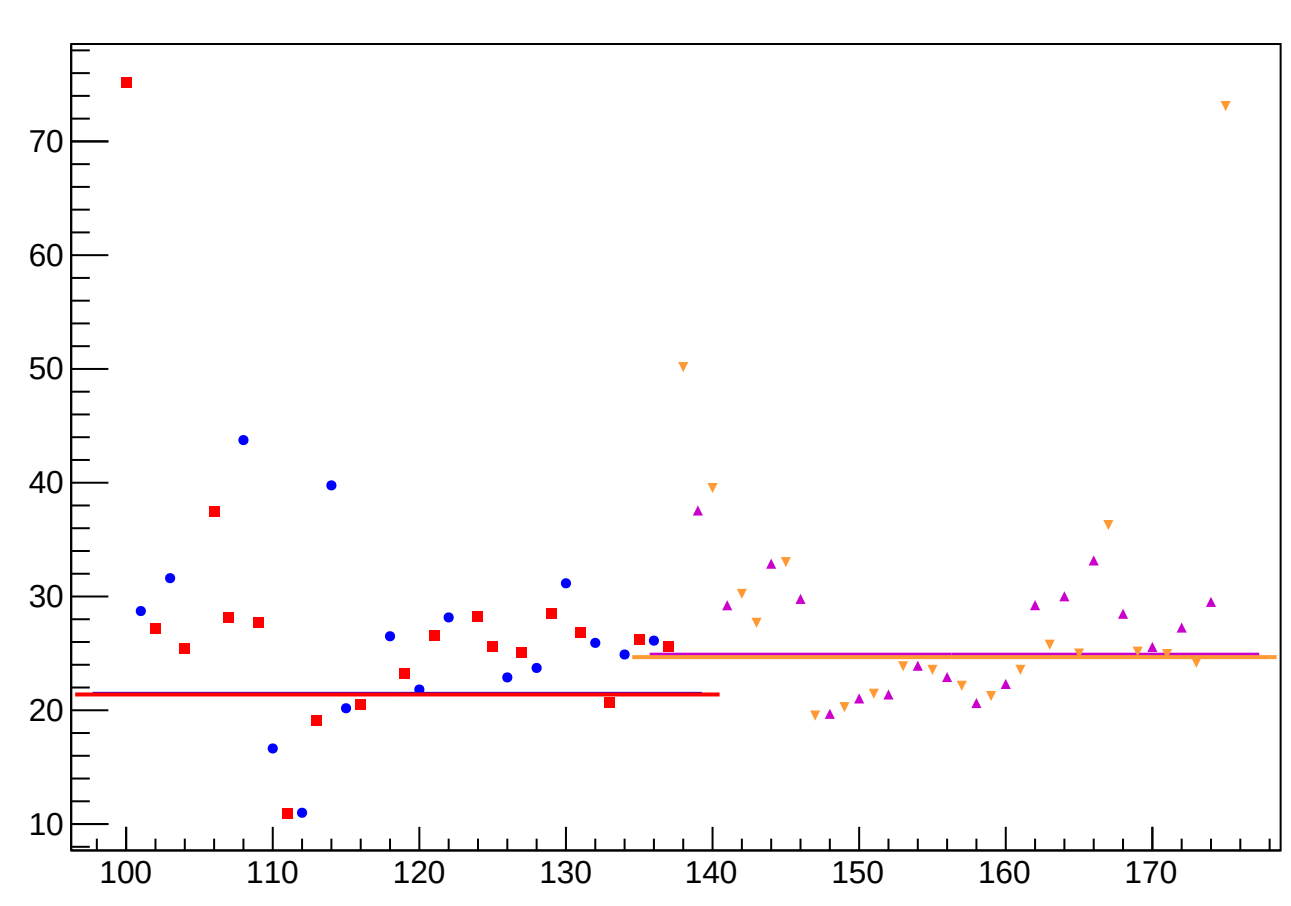
Left: -0.001+/-0.005 χ^2/NDF: 45.4/37

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 89.7/72



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

Left: 24.775+/-0.003 χ^2/NDF: 2690686.9/37

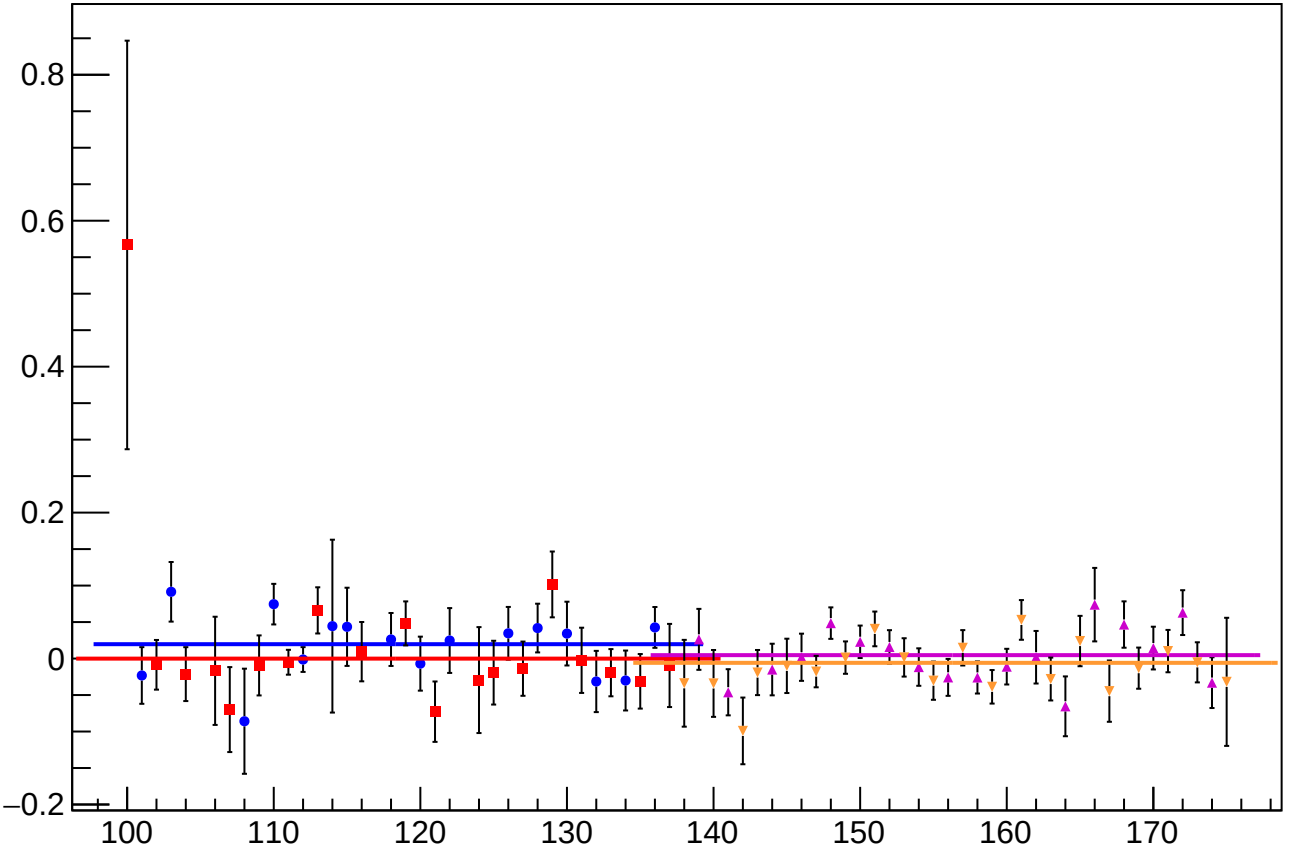
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.590+/-0.004 χ^2/NDF:2629737.6/33

Out: 23.449+/-0.004 χ^2/NDF:3295703.2/38

All: 23.518+/-0.003 χ^2/NDF: 5926168.5/72

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

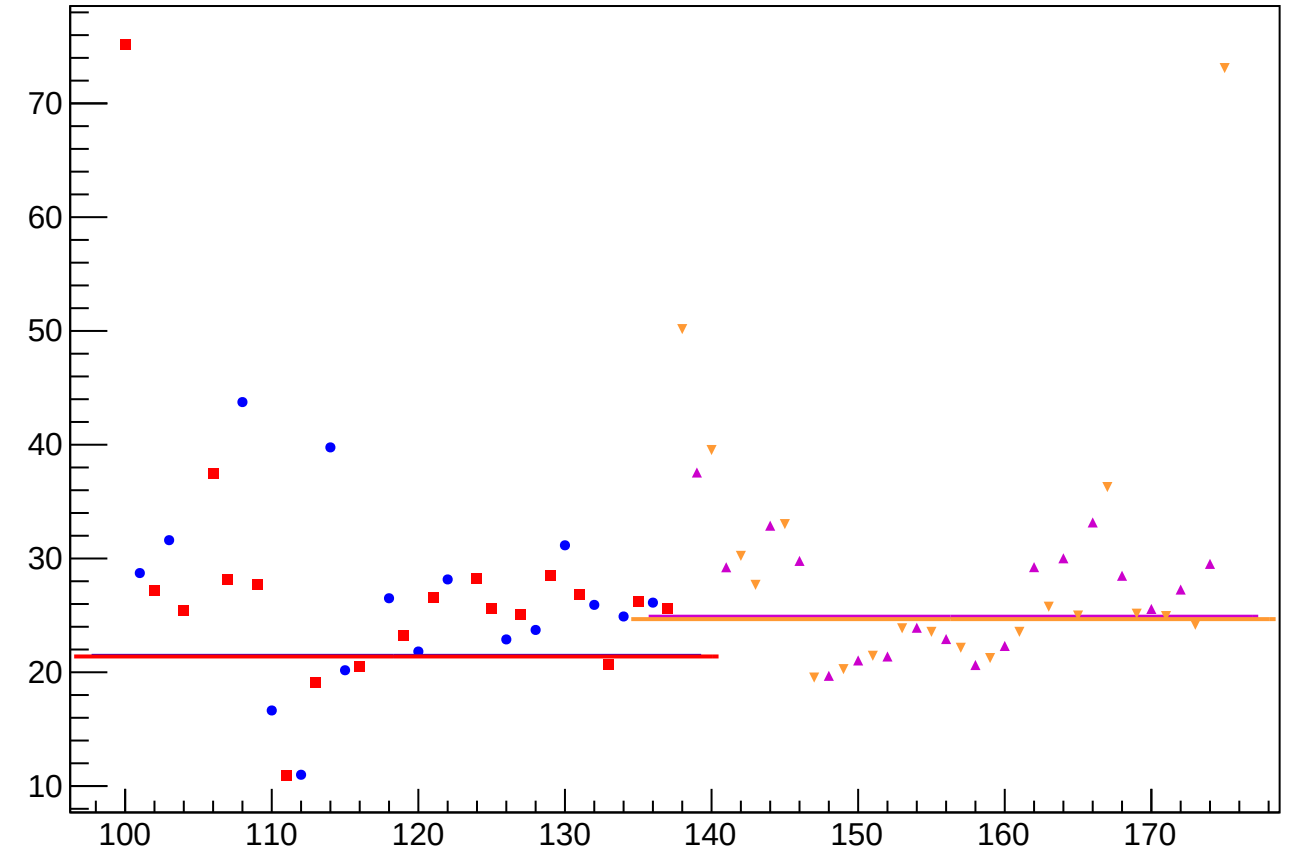
Left: -0.001+/-0.005 χ^2/NDF: 45.4/37

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 89.7/72



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

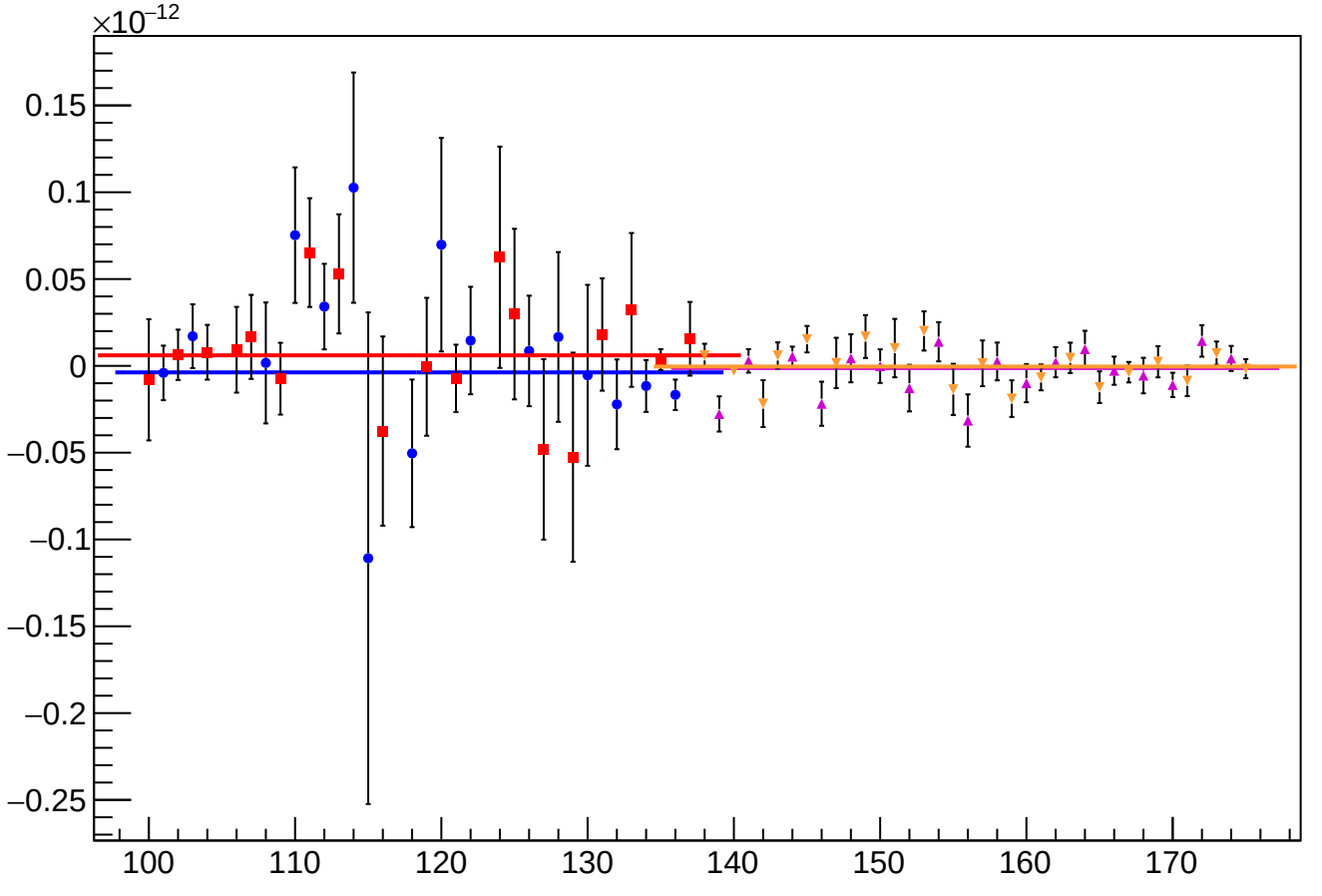
Left: 24.775+/-0.003 χ^2/NDF: 2690686.9/37

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.590+/-0.004 χ^2/NDF:2629737.6/33

Out: 23.449+/-0.004 χ^2/NDF:3295703.2/38

All: 23.518+/-0.003 χ^2/NDF: 5926168.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/17

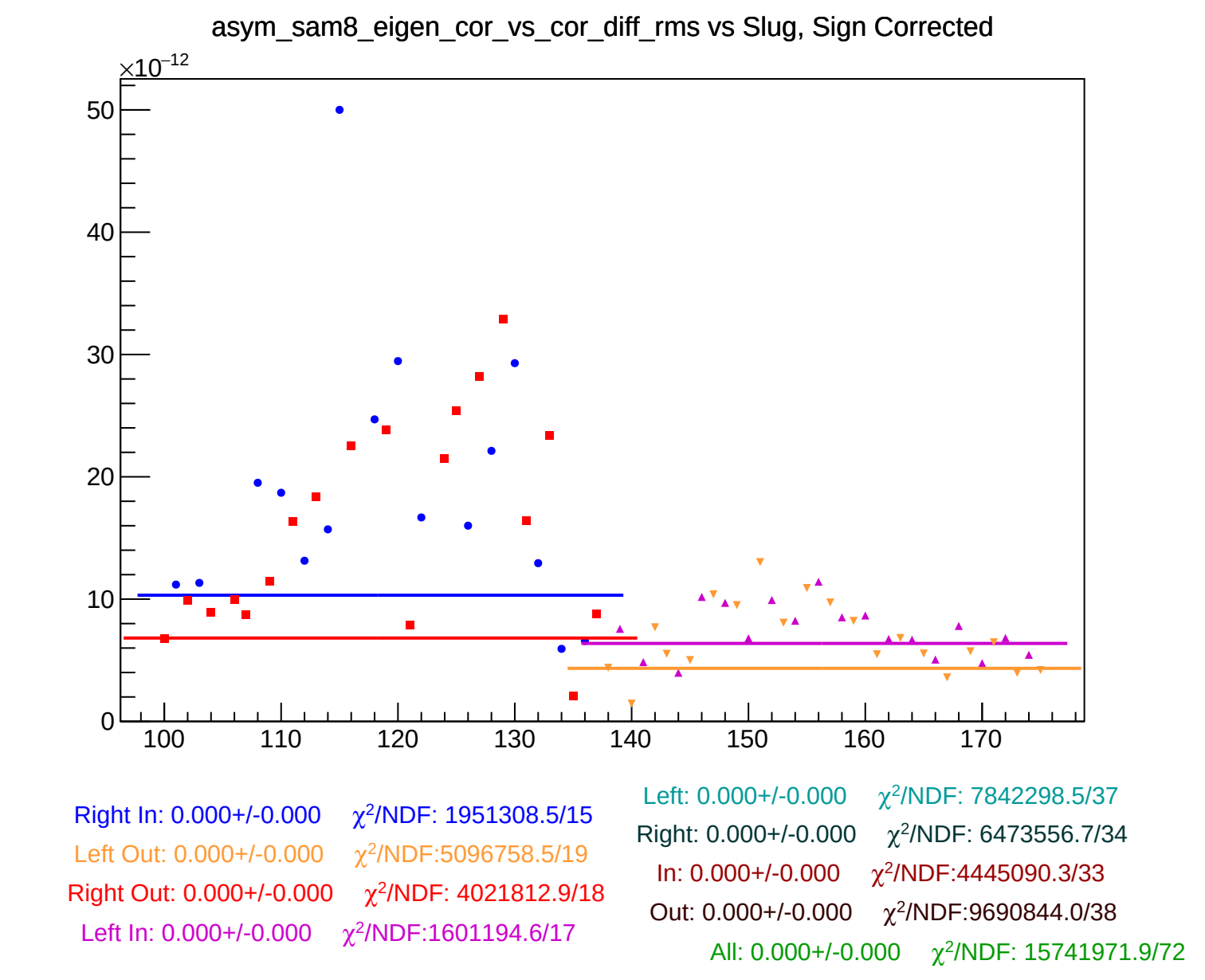
Left: -0.000+/-0.000 χ^2/NDF: 49.6/37

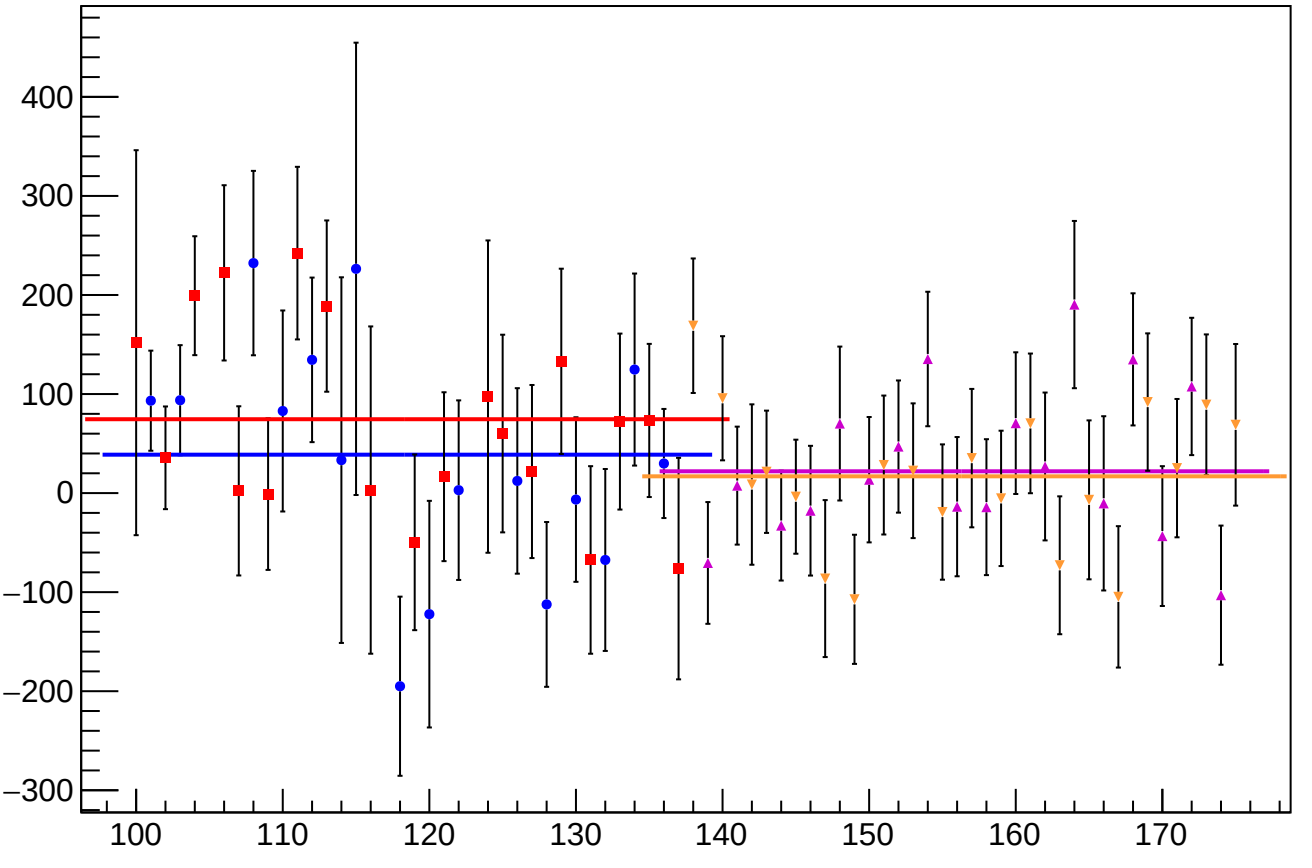
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:42.9/33

Out: 0.000+/-0.000 χ^2/NDF:37.2/38

All: -0.000+/-0.000 χ^2/NDF: 80.7/72


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5096758.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1601194.6/17
Left: 0.000+/-0.000 χ²/NDF: 7842298.5/37
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4445090.3/33
Out: 0.000+/-0.000 χ²/NDF:9690844.0/38
All: 0.000+/-0.000 χ²/NDF: 15741971.9/72



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.931+/-15.510 χ^2/NDF:20.4/19

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 22.024+/-16.101 χ^2/NDF:20.5/17

Left: 19.382+/-11.170 χ^2/NDF: 41.0/37

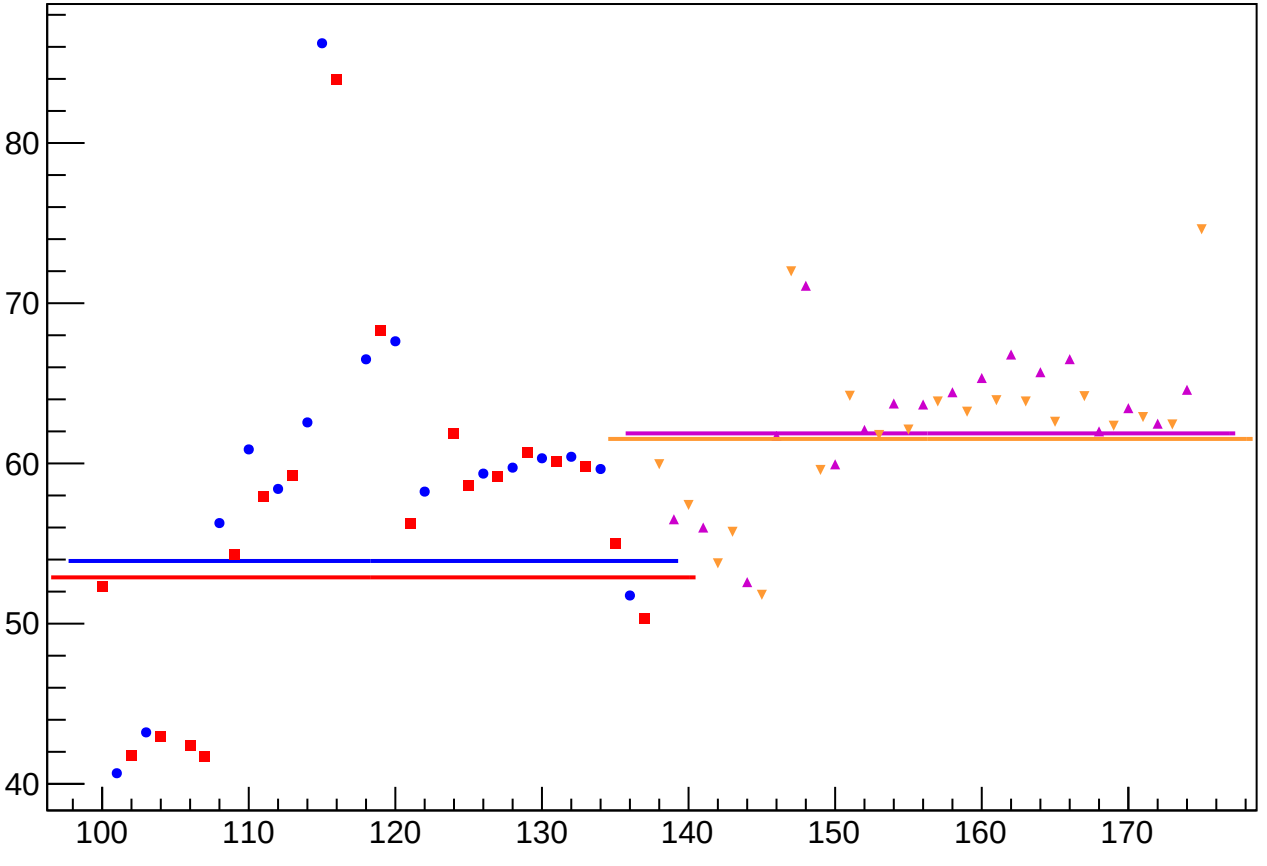
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 28.451+/-12.642 χ^2/NDF:44.3/33

Out: 38.851+/-12.210 χ^2/NDF:48.1/38

All: 33.831+/-8.783 χ^2/NDF: 92.7/72

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

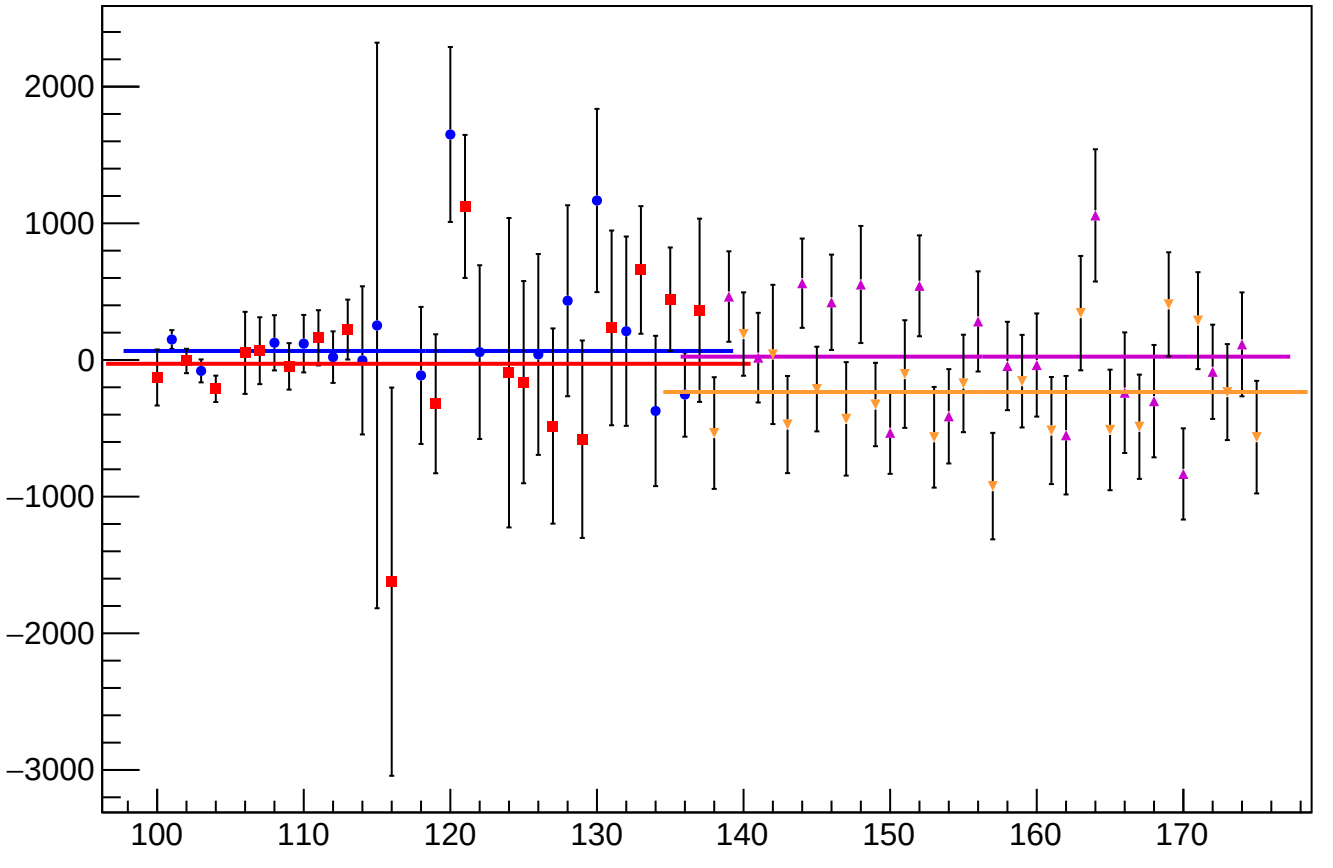
Left: 61.696+/-0.008 χ^2/NDF: 360693.5/37

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.821+/-0.009 χ^2/NDF:734399.9/33

Out: 58.244+/-0.009 χ^2/NDF:867950.9/38

All: 58.523+/-0.006 χ^2/NDF: 1604509.1/72



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 24.306+/-85.365 χ^2/NDF:28.9/17

Left: -108.859+/-59.470 χ^2/NDF: 50.2/37

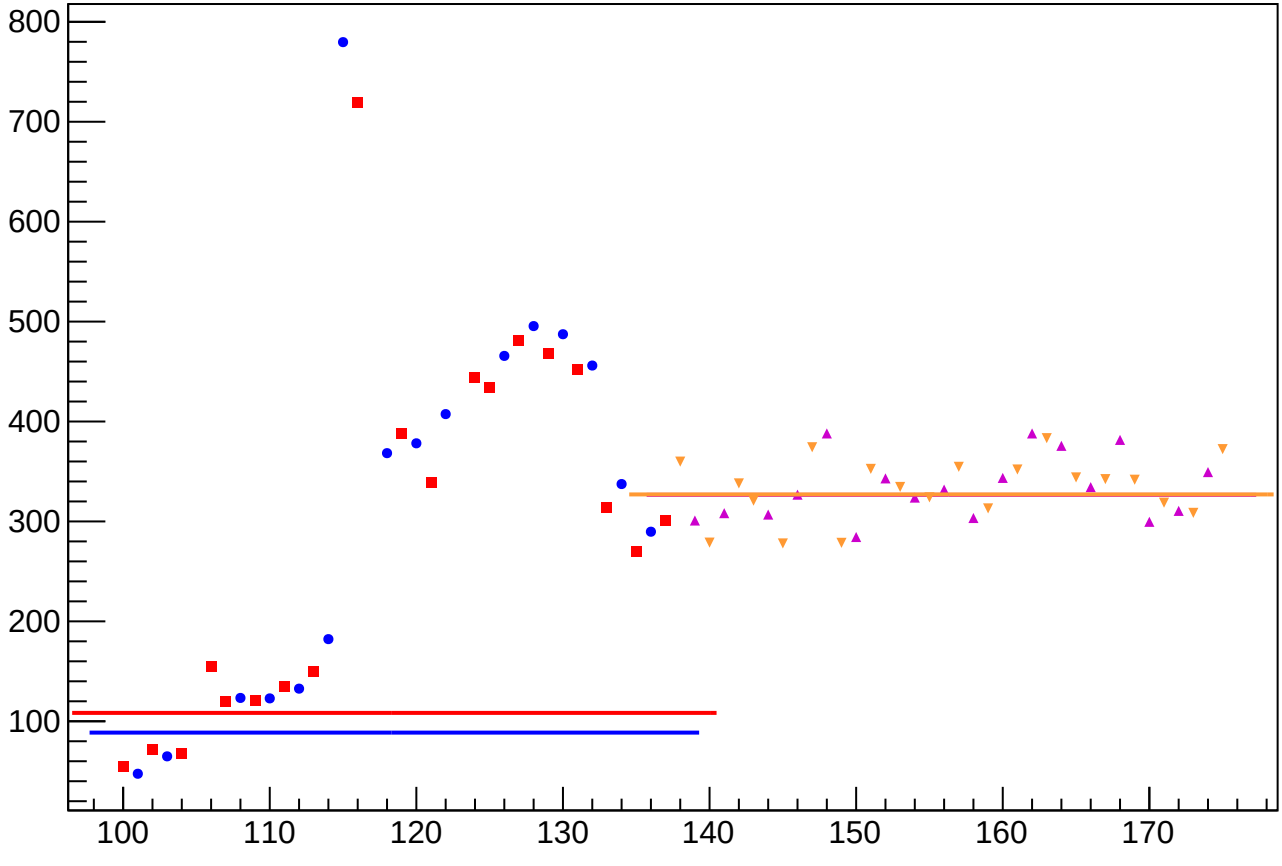
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 56.353+/-40.820 χ^2/NDF:44.8/33

Out: -83.428+/-42.997 χ^2/NDF:39.1/38

All: -9.910+/-29.604 χ^2/NDF: 89.5/72

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 327.026+/-0.059 χ^2/NDF:298097.7/19

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 326.582+/-0.060 χ^2/NDF:246677.2/17

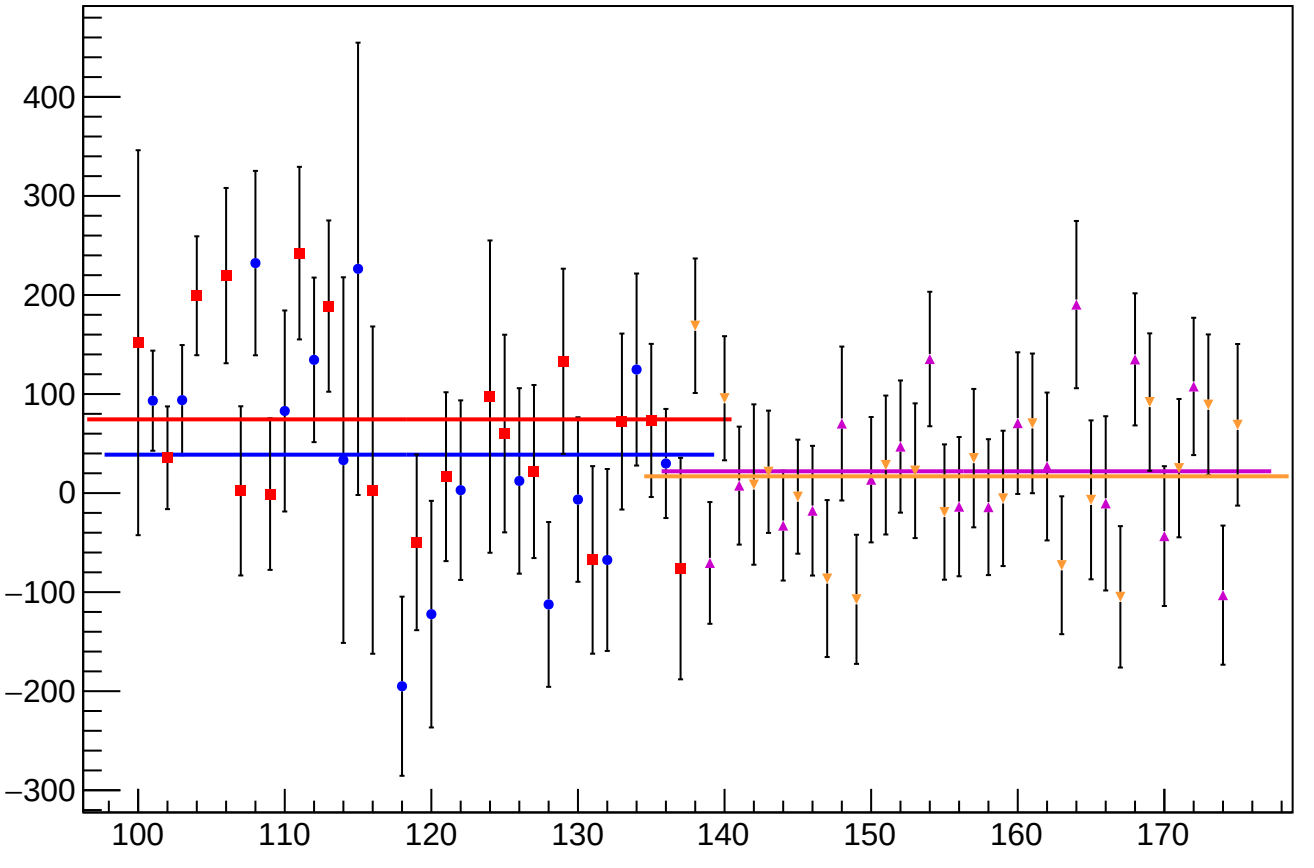
Left: 326.811+/-0.042 χ^2/NDF: 544802.7/37

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 143.061+/-0.029 χ^2/NDF:18878501.8/33

Out: 167.208+/-0.030 χ^2/NDF:15830972.0/38

All: 154.508+/-0.021 χ^2/NDF: 35041225.9/72



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.023+/-16.101 χ^2/NDF:20.5/17

Left: 19.382+/-11.170 χ^2/NDF: 41.0/37

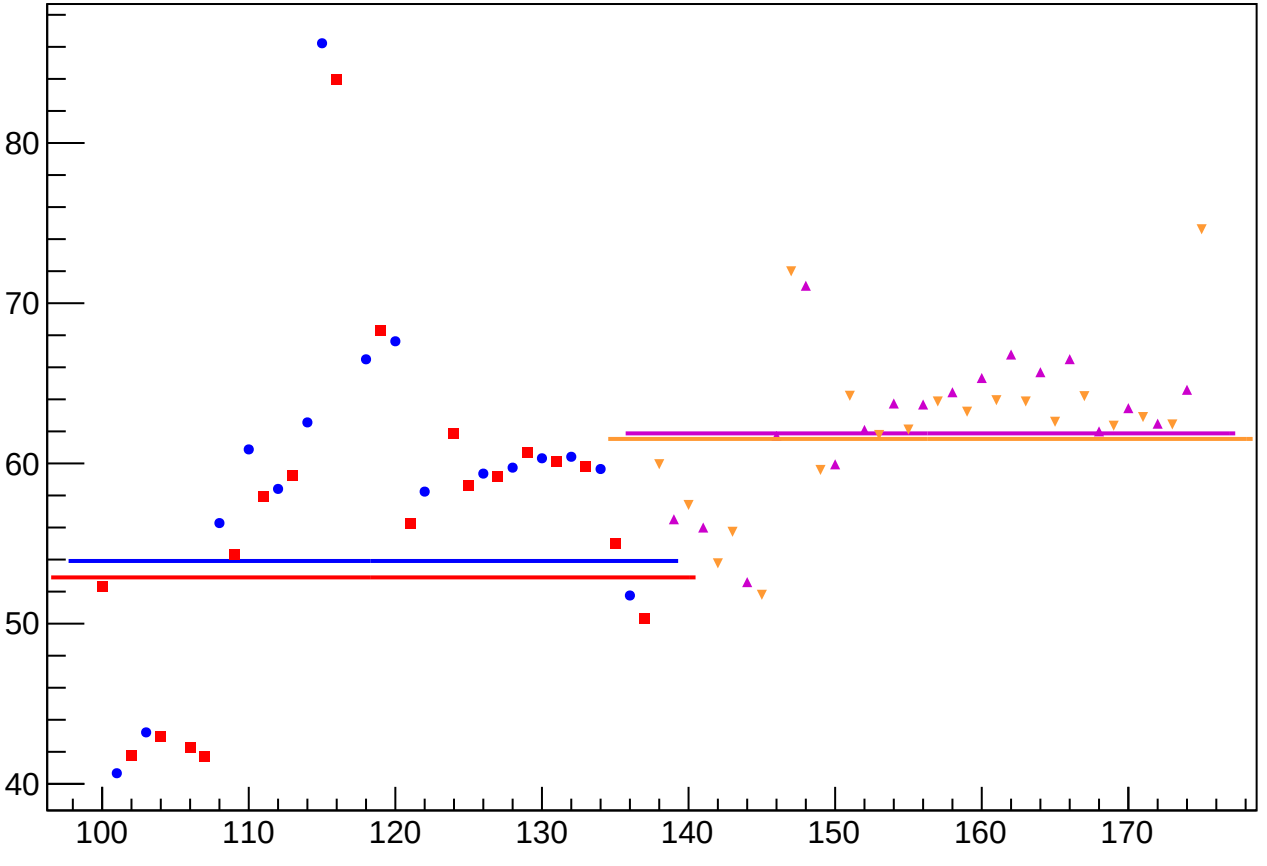
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.455+/-12.642 χ^2/NDF:44.3/33

Out: 38.798+/-12.211 χ^2/NDF:48.0/38

All: 33.805+/-8.783 χ^2/NDF: 92.6/72

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

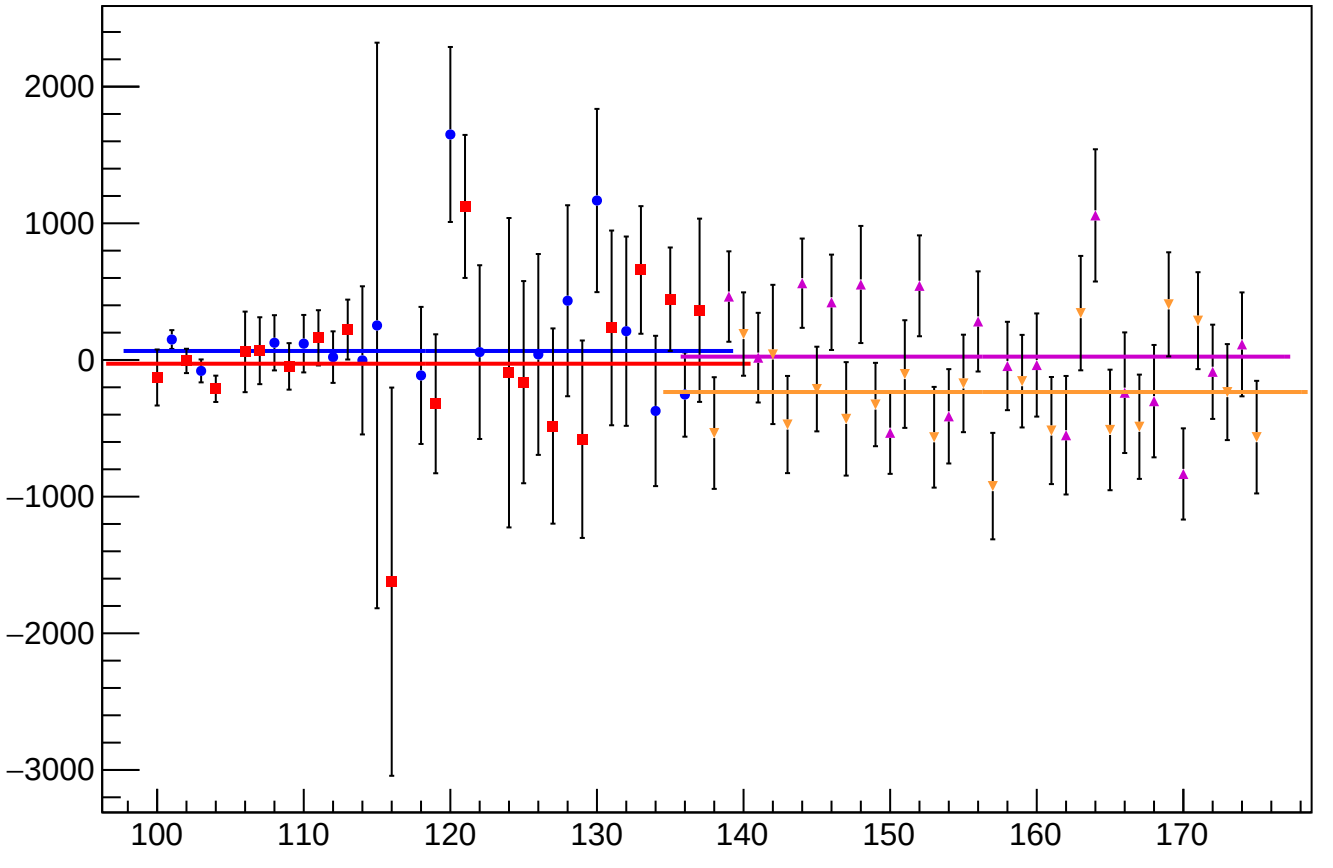
Left: 61.696+/-0.008 χ^2/NDF: 360693.5/37

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.821+/-0.009 χ^2/NDF:734398.9/33

Out: 58.243+/-0.009 χ^2/NDF:868360.4/38

All: 58.522+/-0.006 χ^2/NDF: 1604921.9/72



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 24.303+/-85.365 χ^2/NDF:28.9/17

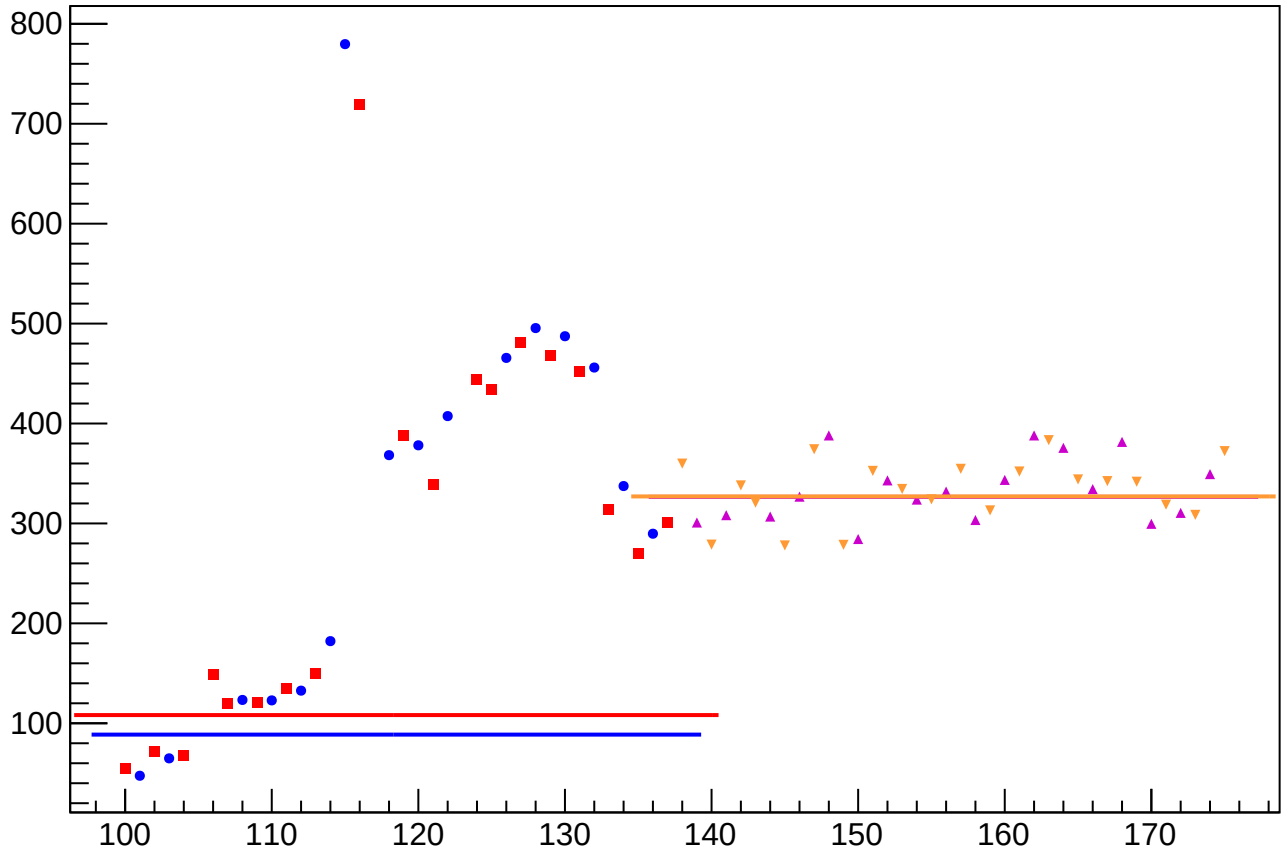
Left: -108.859+/-59.470 χ^2/NDF: 50.2/37

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 56.356+/-40.819 χ^2/NDF:44.8/33

Out: -83.034+/-42.970 χ^2/NDF:39.1/38

All: -9.763+/-29.595 χ^2/NDF: 89.5/72



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

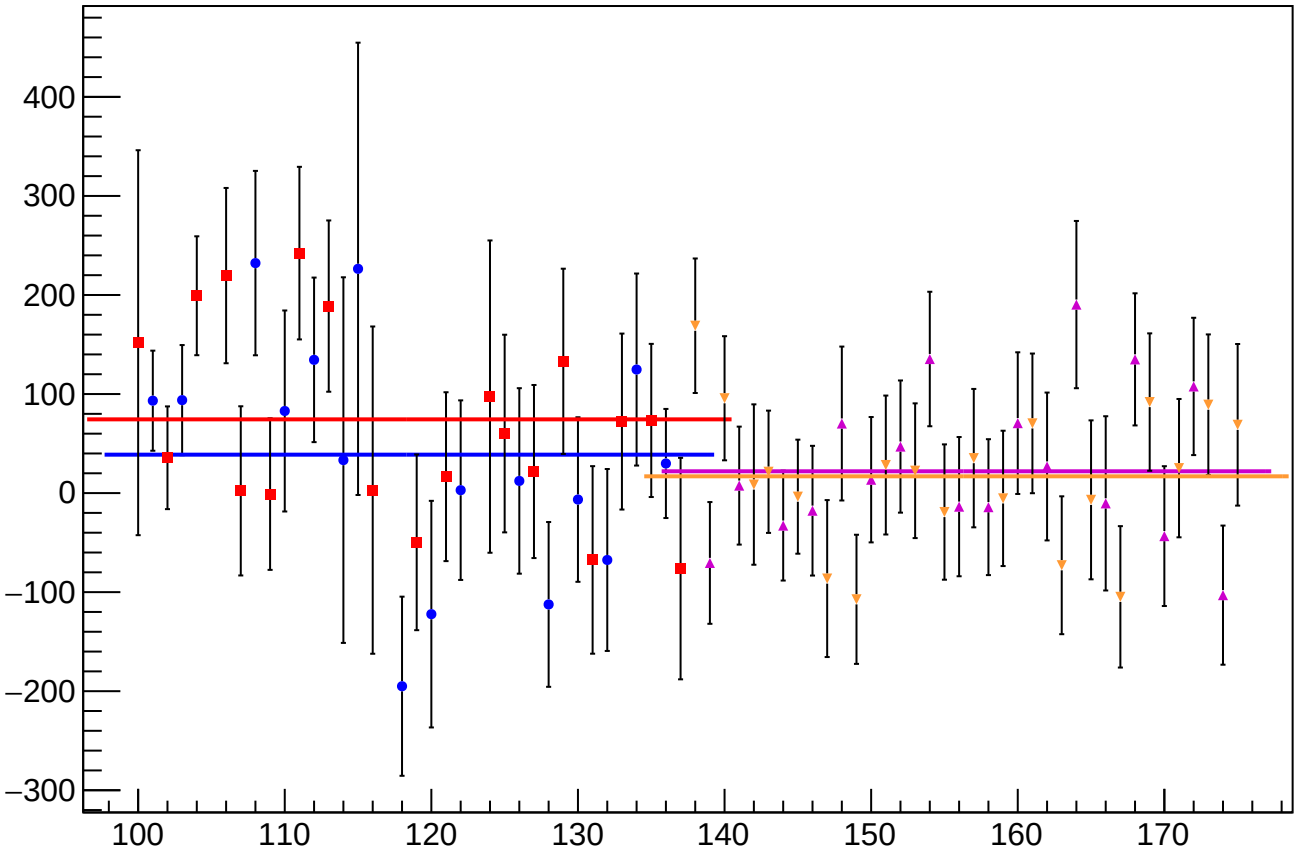
Left: 326.811+/-0.042 χ^2/NDF: 544806.0/37

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 143.058+/-0.029 χ^2/NDF:18878951.1/33

Out: 167.004+/-0.030 χ^2/NDF:15844281.7/38

All: 154.417+/-0.021 χ^2/NDF: 35049733.4/72



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.023+/-16.101 χ^2/NDF:20.5/17

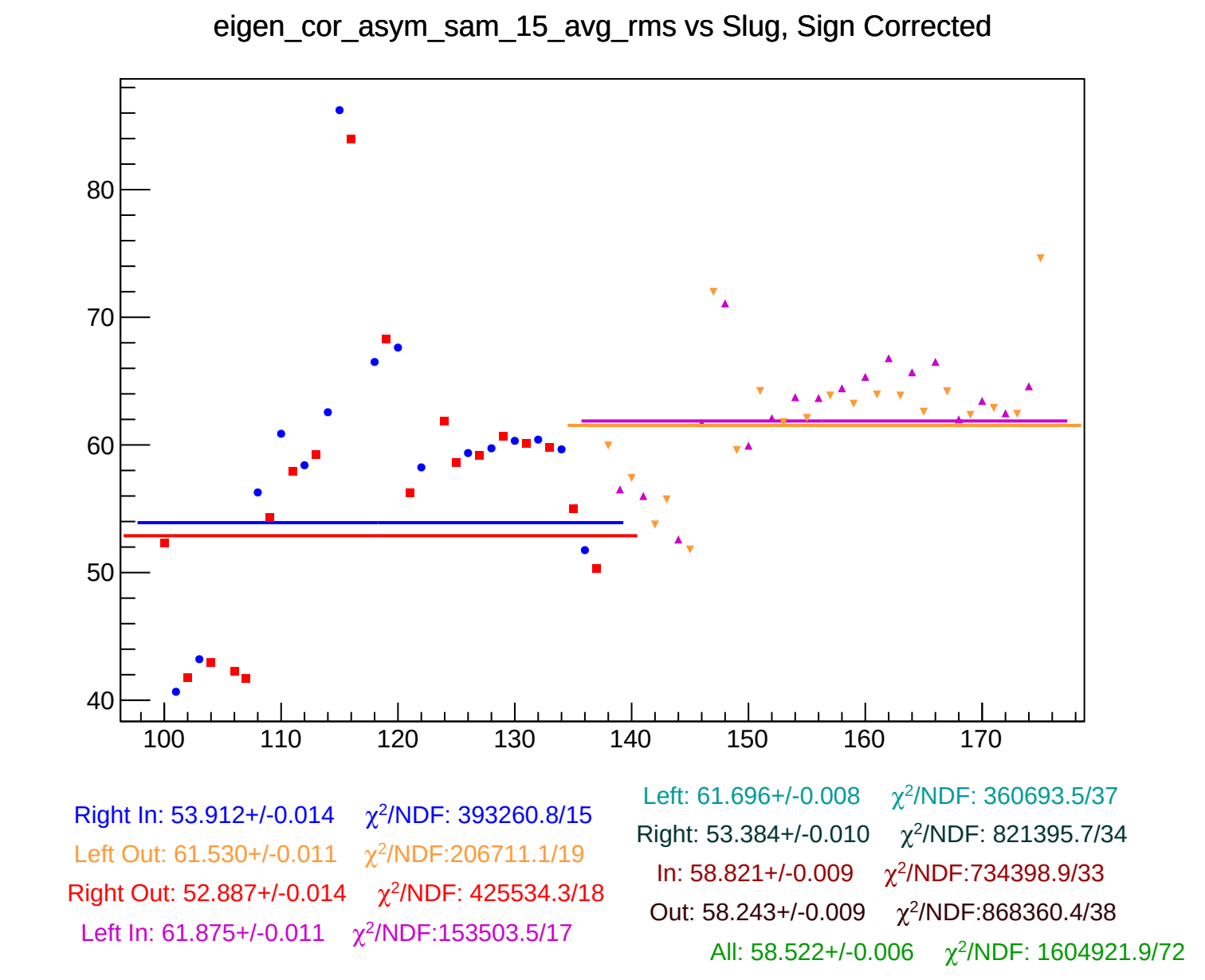
Left: 19.382+/-11.170 χ^2/NDF: 41.0/37

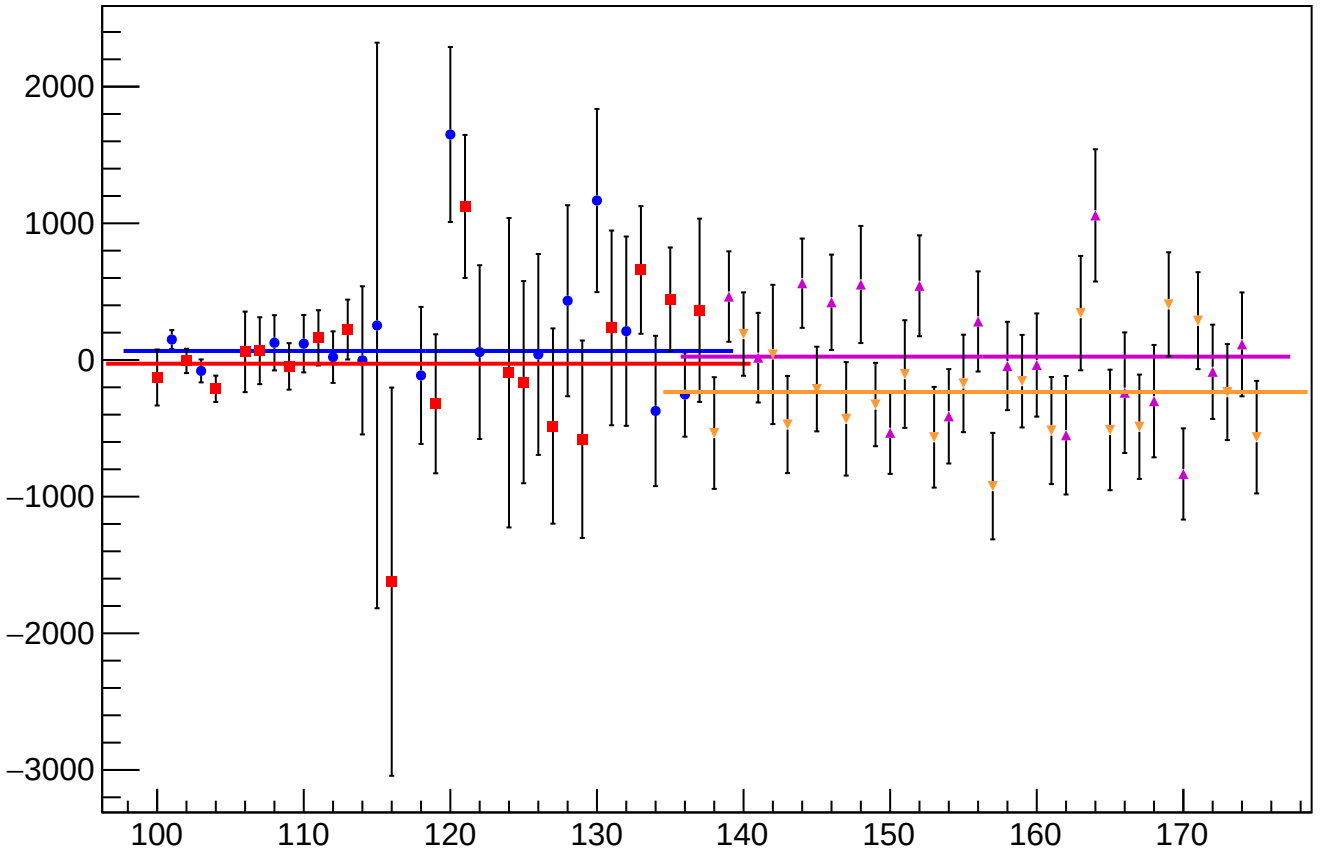
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.455+/-12.642 χ^2/NDF:44.3/33

Out: 38.798+/-12.211 χ^2/NDF:48.0/38

All: 33.805+/-8.783 χ^2/NDF: 92.6/72


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 61.530+/-0.011 χ²/NDF:206711.1/19
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 61.875+/-0.011 χ²/NDF:153503.5/17
Left: 61.696+/-0.008 χ²/NDF: 360693.5/37
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 58.821+/-0.009 χ²/NDF:734398.9/33
Out: 58.243+/-0.009 χ²/NDF:868360.4/38
All: 58.522+/-0.006 χ²/NDF: 1604921.9/72



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 24.303+/-85.365 χ^2/NDF:28.9/17

Left: -108.859+/-59.470 χ^2/NDF: 50.2/37

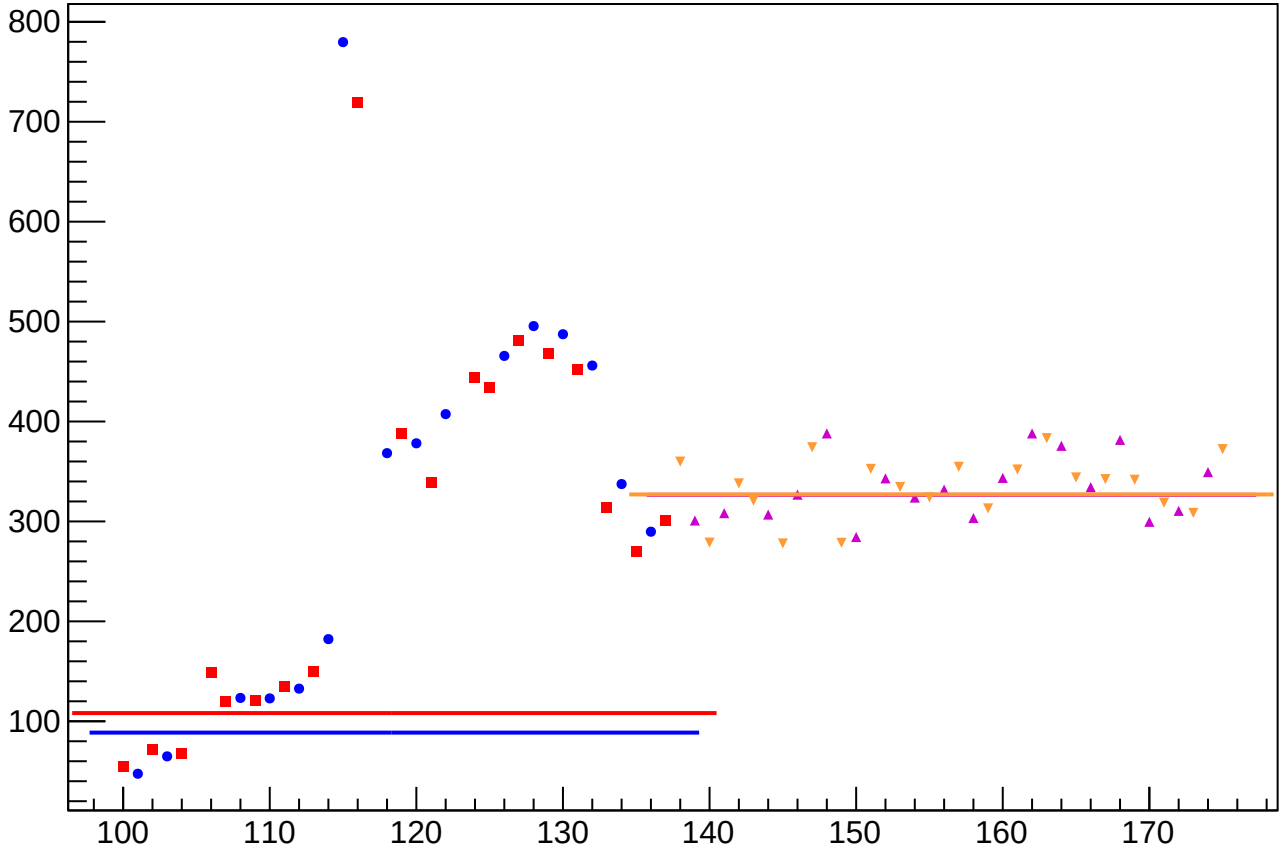
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 56.356+/-40.819 χ^2/NDF:44.8/33

Out: -83.034+/-42.970 χ^2/NDF:39.1/38

All: -9.763+/-29.595 χ^2/NDF: 89.5/72

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

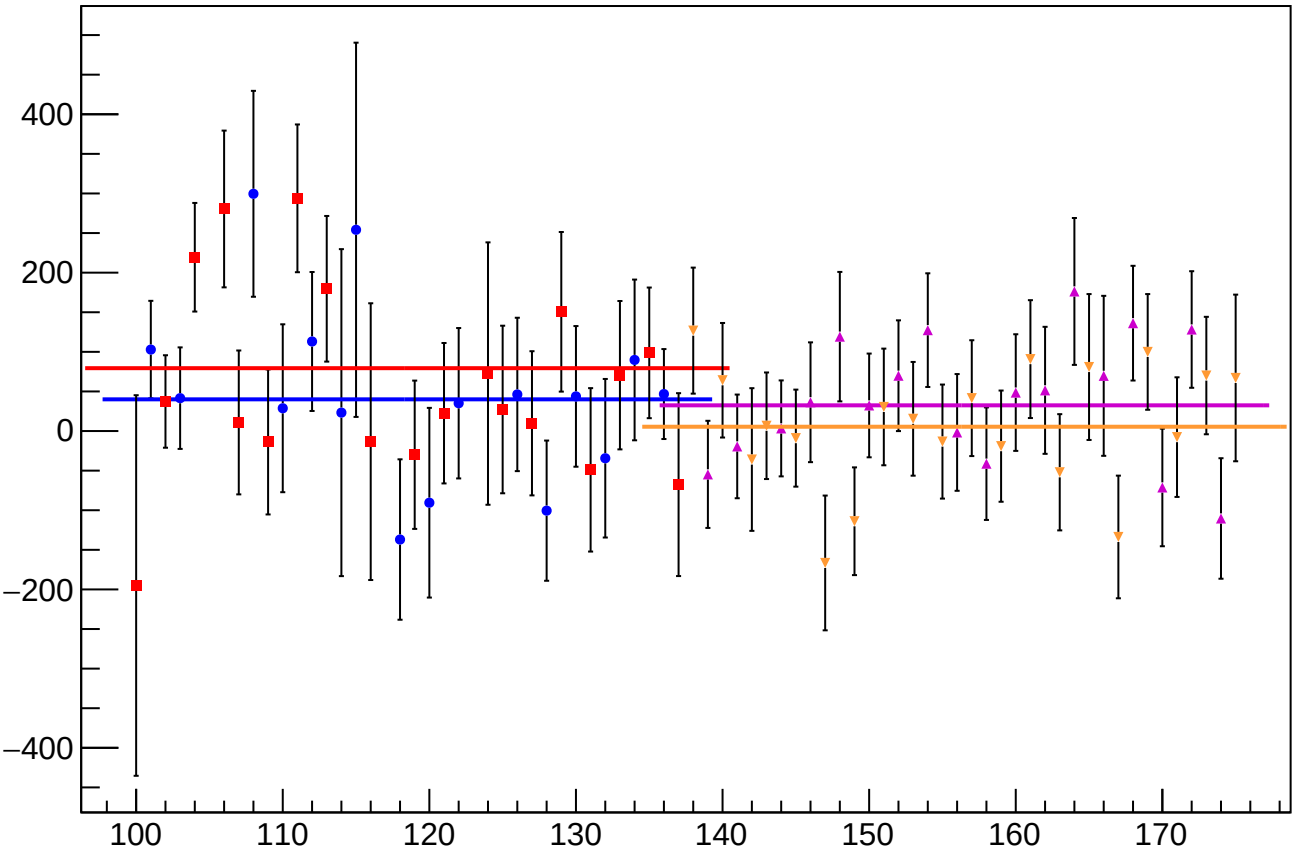
Left: 326.811+/-0.042 χ^2/NDF: 544806.0/37

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 143.058+/-0.029 χ^2/NDF:18878951.1/33

Out: 167.004+/-0.030 χ^2/NDF:15844281.7/38

All: 154.417+/-0.021 χ^2/NDF: 35049733.4/72



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 32.460+/-17.287 χ^2/NDF:18.8/17

Left: 18.532+/-12.033 χ^2/NDF: 39.7/37

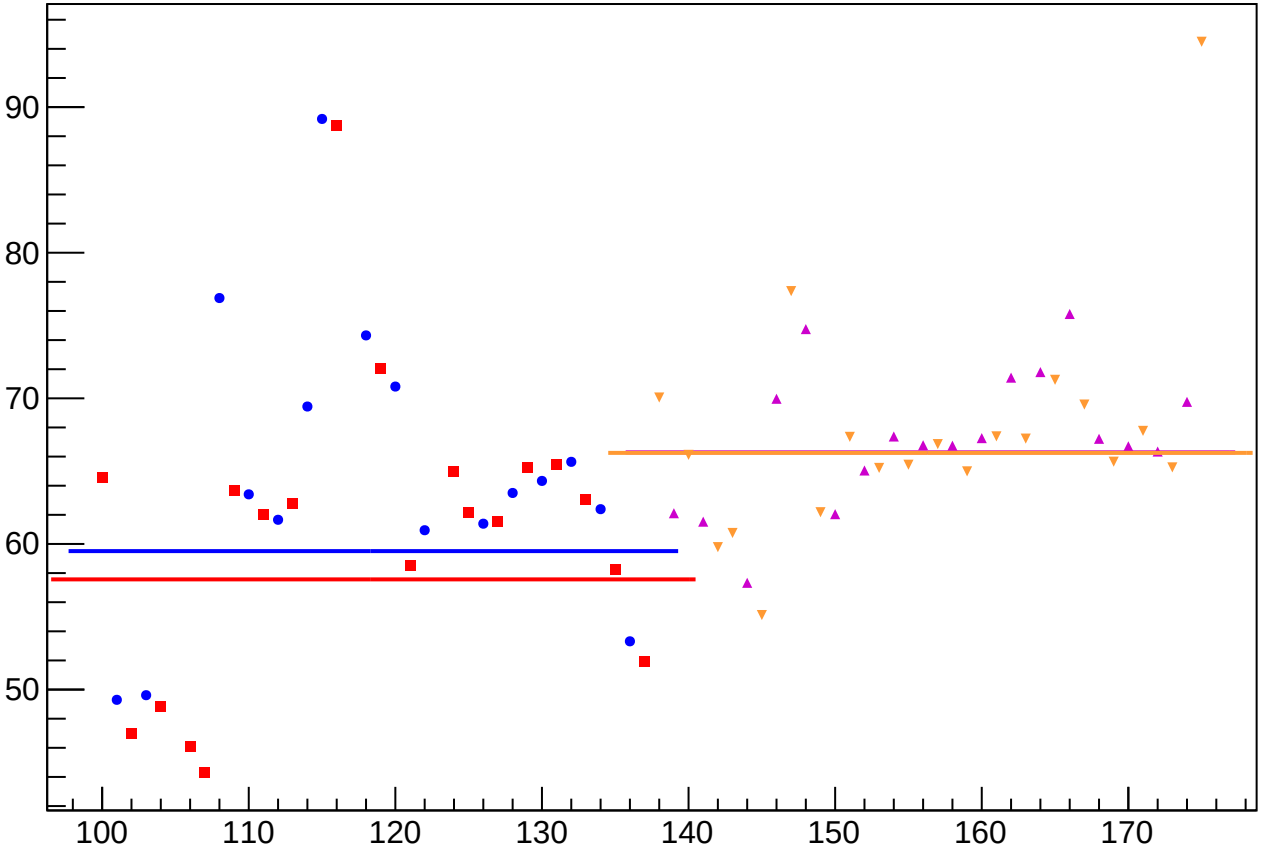
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 35.268+/-13.711 χ^2/NDF:33.0/33

Out: 33.262+/-13.235 χ^2/NDF:51.8/38

All: 34.230+/-9.523 χ^2/NDF: 84.8/72

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.4/19

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.293+/-0.012 χ^2/NDF:135658.6/17

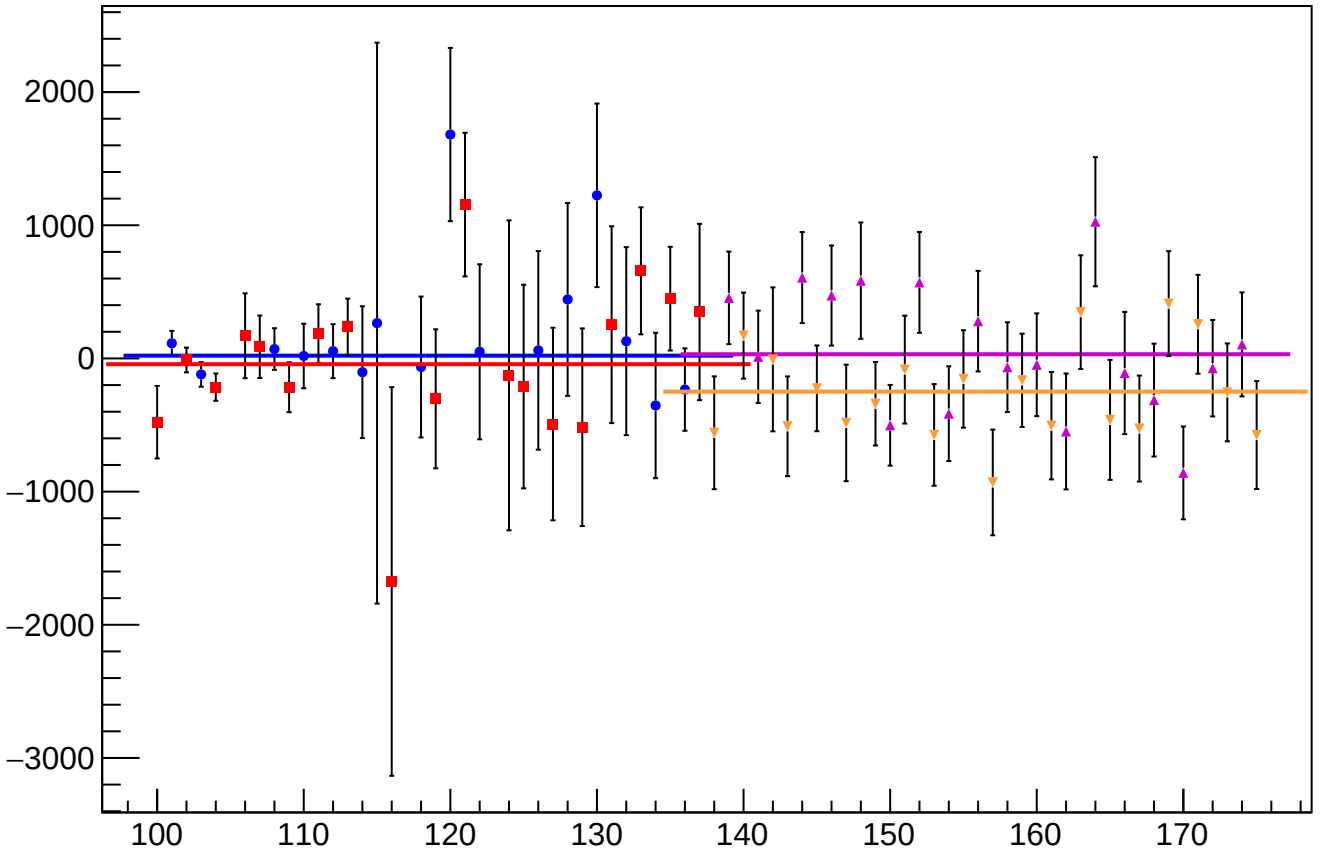
Left: 66.273+/-0.009 χ^2/NDF: 428937.1/37

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.777+/-0.010 χ^2/NDF:533095.5/33

Out: 62.986+/-0.009 χ^2/NDF:842891.5/38

All: 63.367+/-0.007 χ^2/NDF: 1379433.2/72



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.158+/-85.816 χ^2/NDF:15.6/19

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 31.574+/-88.373 χ^2/NDF:28.0/17

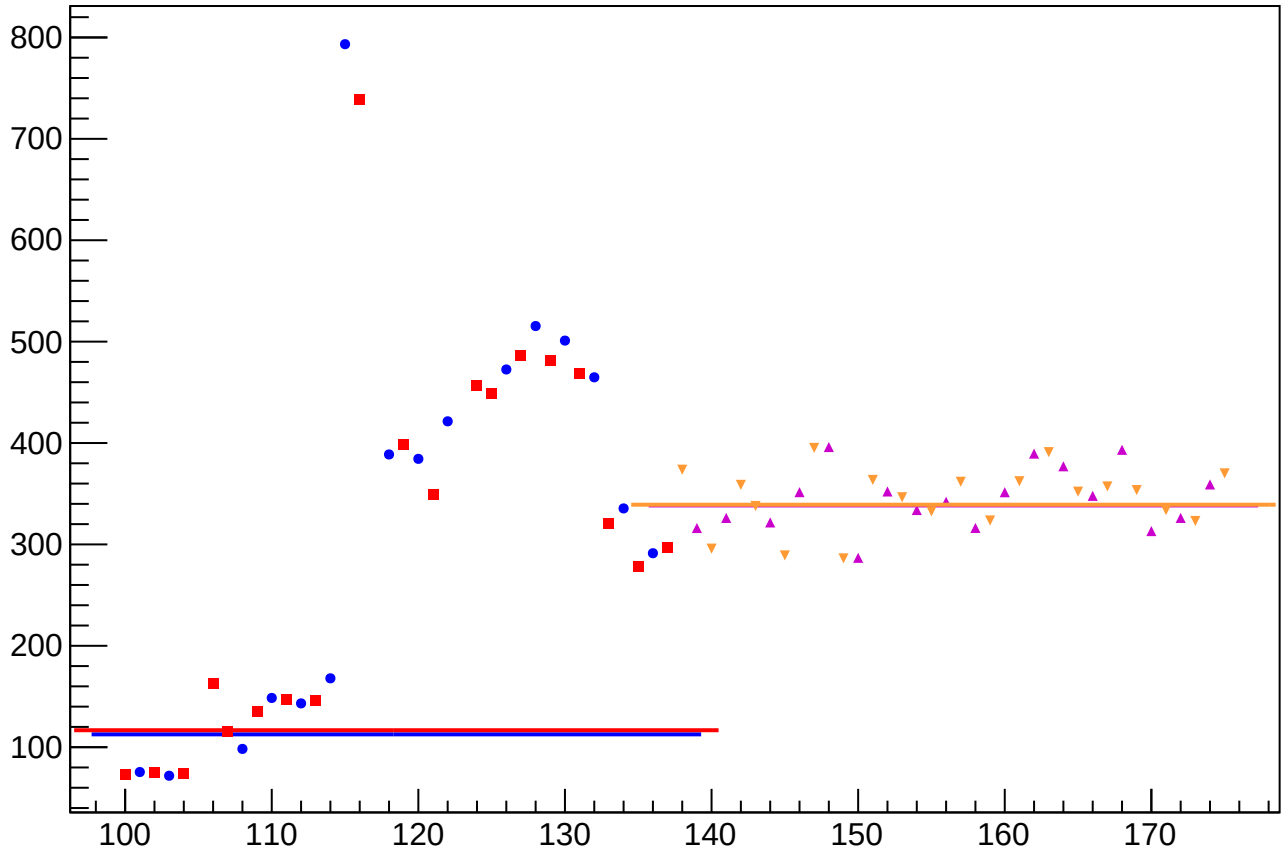
Left: -112.913+/-61.565 χ^2/NDF: 48.8/37

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 23.726+/-45.820 χ^2/NDF:42.6/33

Out: -100.439+/-45.222 χ^2/NDF:41.3/38

All: -39.172+/-32.186 χ^2/NDF: 87.6/72



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 339.165+/-0.061 χ^2/NDF:269585.2/19

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 338.438+/-0.062 χ^2/NDF:218092.1/17

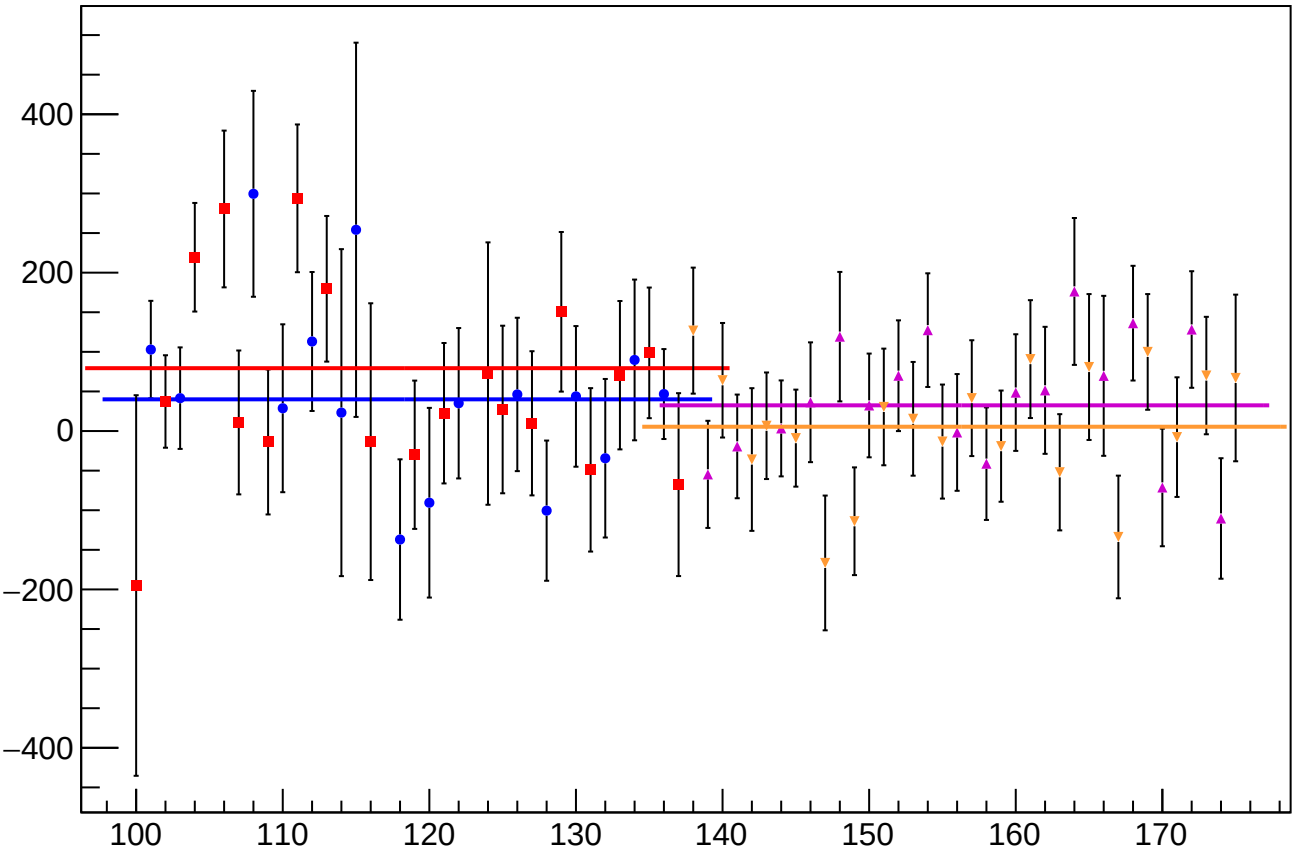
Left: 338.812+/-0.044 χ^2/NDF: 487746.9/37

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 173.361+/-0.032 χ^2/NDF:15362012.7/33

Out: 178.502+/-0.032 χ^2/NDF:15116317.9/38

All: 175.965+/-0.023 χ^2/NDF: 30491087.0/72



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 32.460+/-17.287 χ^2/NDF:18.8/17

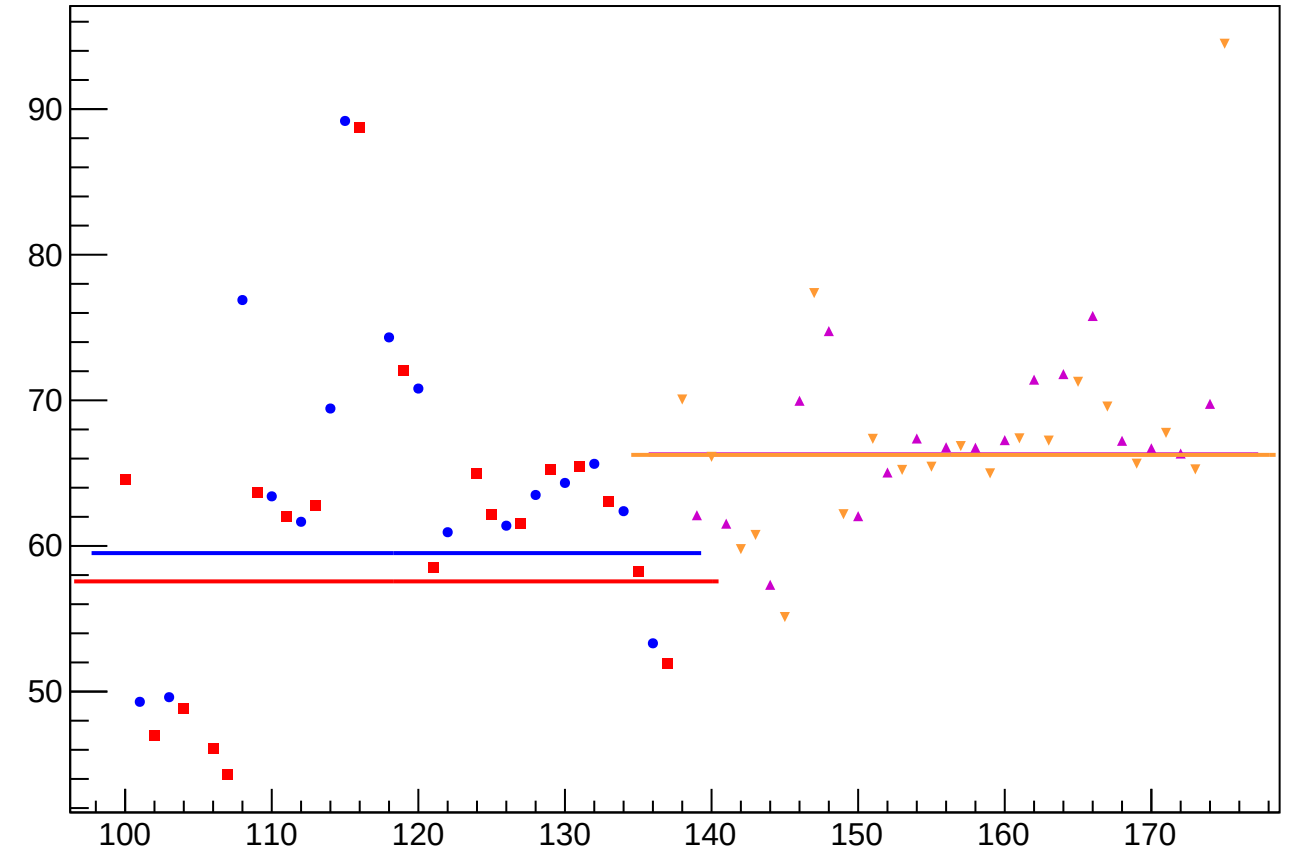
Left: 18.533+/-12.033 χ^2/NDF: 39.7/37

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 35.268+/-13.711 χ^2/NDF:33.0/33

Out: 33.262+/-13.235 χ^2/NDF:51.8/38

All: 34.230+/-9.523 χ^2/NDF: 84.8/72



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.8/19

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.293+/-0.012 χ^2/NDF:135655.2/17

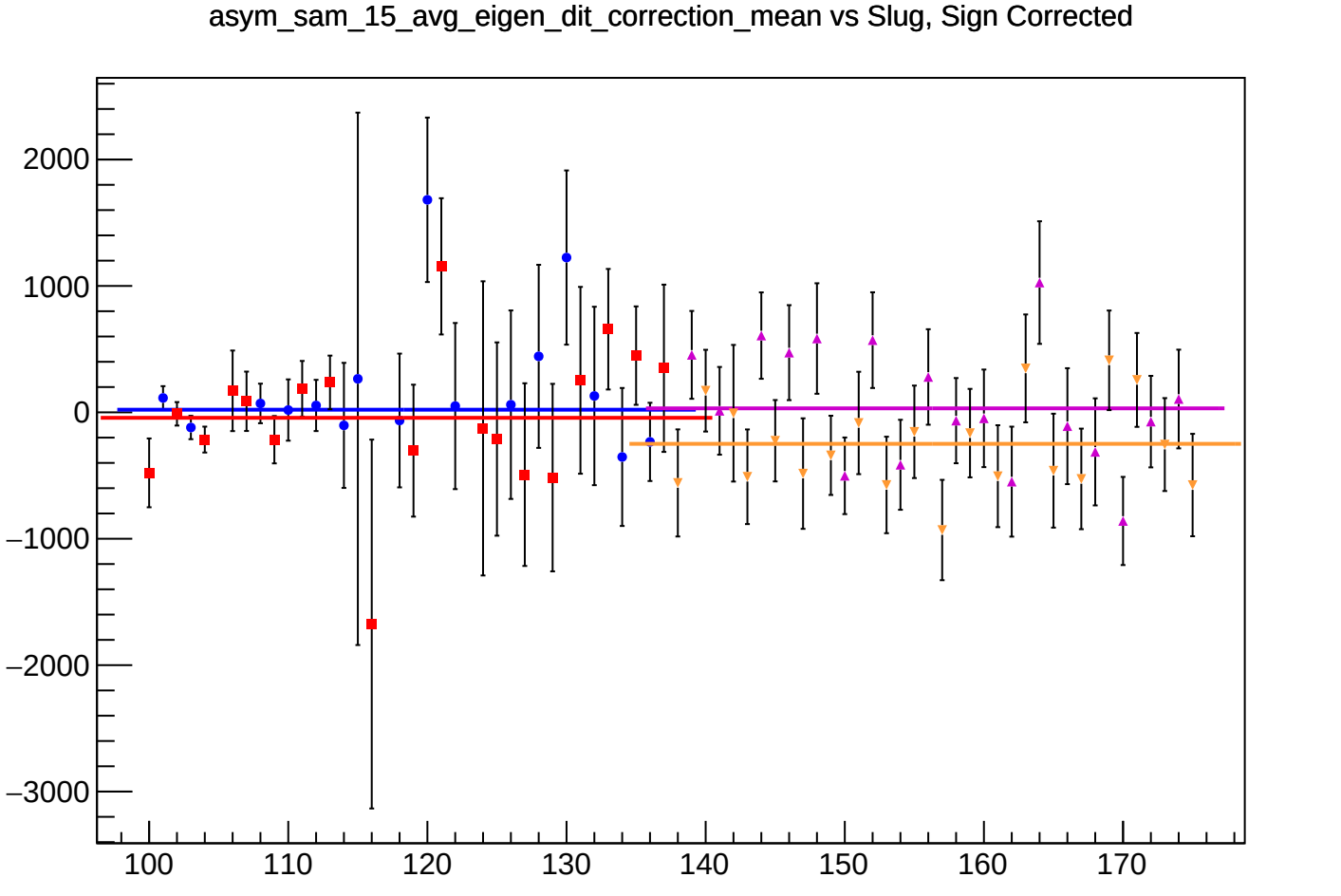
Left: 66.273+/-0.009 χ^2/NDF: 428934.1/37

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.777+/-0.010 χ^2/NDF:533098.3/33

Out: 62.986+/-0.009 χ^2/NDF:842897.2/38

All: 63.367+/-0.007 χ^2/NDF: 1379442.0/72



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.157+/-85.816 χ^2/NDF:15.6/19

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 31.573+/-88.373 χ^2/NDF:28.0/17

Left: -112.913+/-61.565 χ^2/NDF: 48.8/37

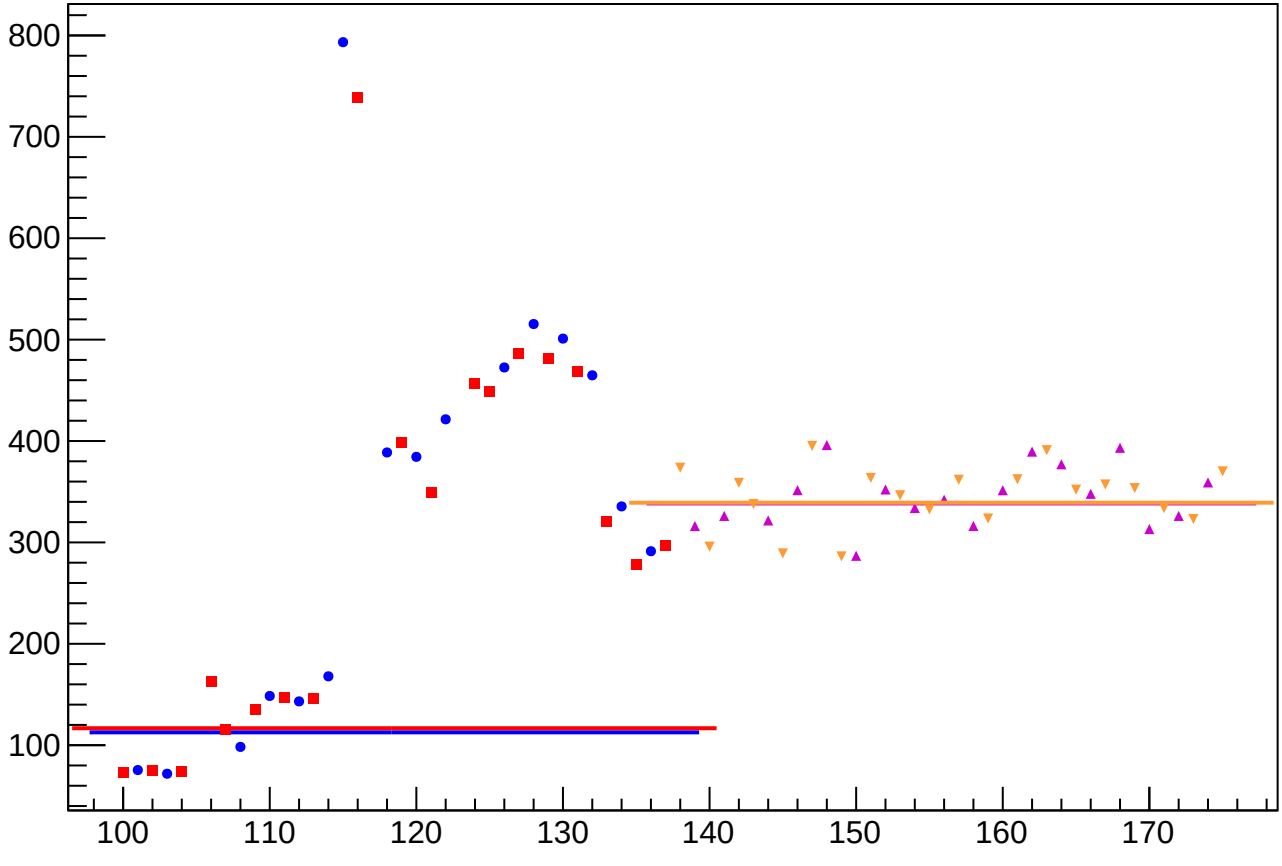
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 23.725+/-45.820 χ^2/NDF:42.6/33

Out: -100.439+/-45.222 χ^2/NDF:41.3/38

All: -39.172+/-32.186 χ^2/NDF: 87.6/72

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 339.166+/-0.061 χ^2/NDF:269581.6/19

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 338.439+/-0.062 χ^2/NDF:218087.1/17

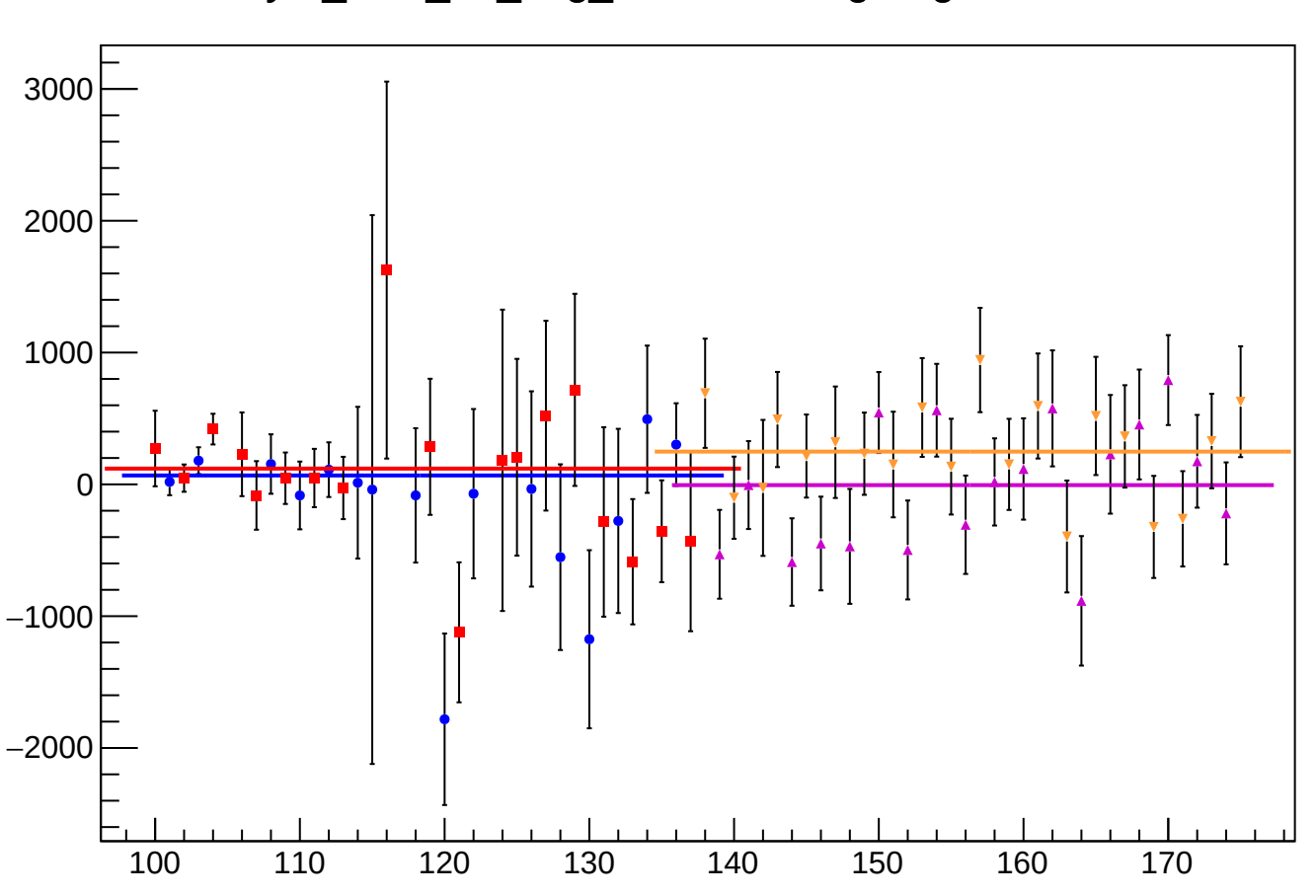
Left: 338.813+/-0.044 χ^2/NDF: 487738.3/37

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 173.360+/-0.032 χ^2/NDF:15362068.0/33

Out: 178.502+/-0.032 χ^2/NDF:15116393.2/38

All: 175.965+/-0.023 χ^2/NDF: 30491216.9/72



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 248.566+/-84.404 χ^2/NDF:15.8/19

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -5.765+/-86.938 χ^2/NDF:29.0/17

Left: 125.161+/-60.559 χ^2/NDF: 49.2/37

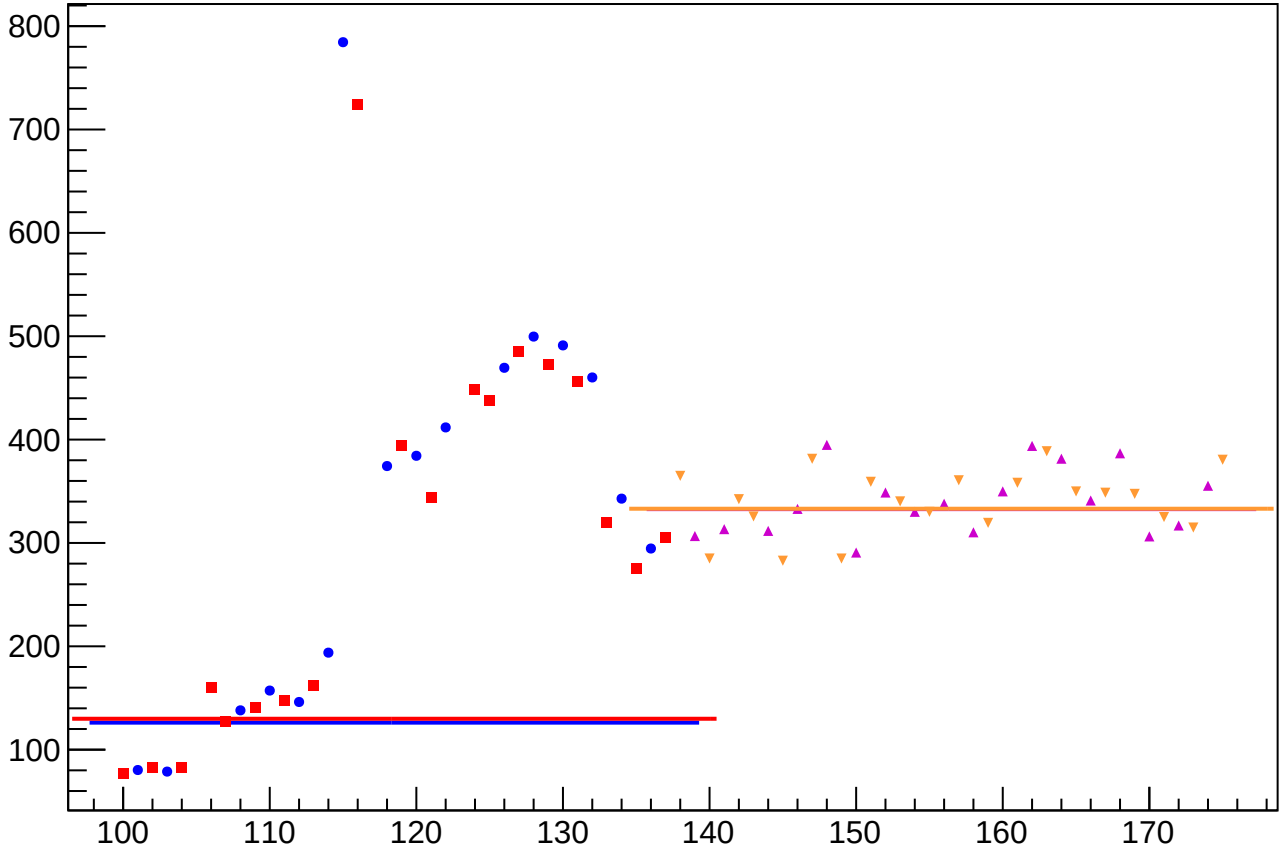
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 44.390+/-48.915 χ^2/NDF:45.2/33

Out: 160.932+/-47.769 χ^2/NDF:38.6/38

All: 104.042+/-34.176 χ^2/NDF: 86.7/72

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 333.109+/-0.060 χ^2/NDF:290419.6/19

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 332.716+/-0.061 χ^2/NDF:237714.1/17

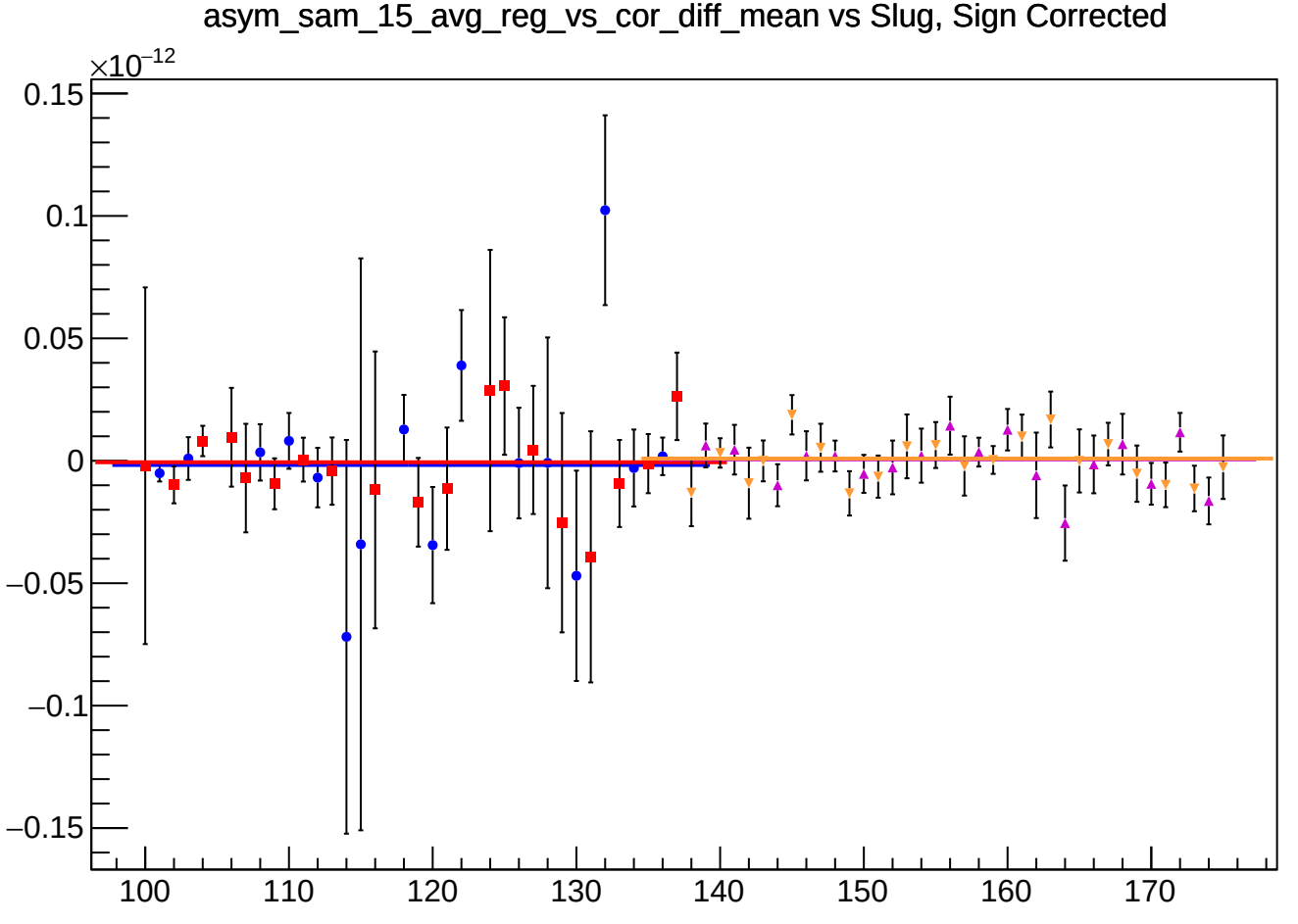
Left: 332.918+/-0.043 χ^2/NDF: 528154.7/37

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 191.544+/-0.035 χ^2/NDF:13174128.8/33

Out: 194.998+/-0.034 χ^2/NDF:12816526.9/38

All: 193.312+/-0.024 χ^2/NDF: 25995759.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/17

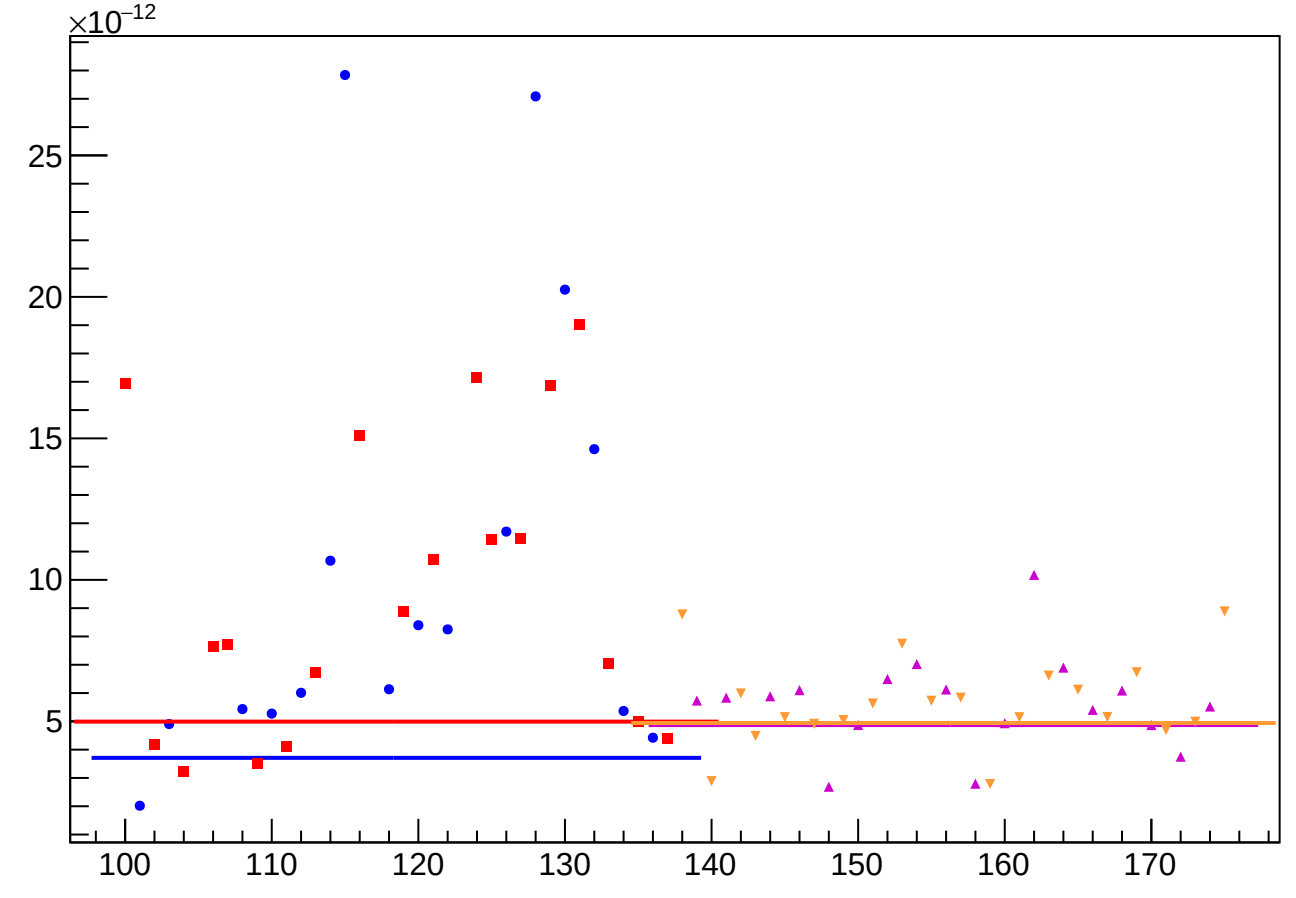
Left: 0.000+/-0.000 χ^2/NDF: 33.8/37

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:34.5/33

Out: 0.000+/-0.000 χ^2/NDF:28.2/38

All: 0.000+/-0.000 χ^2/NDF: 62.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1126322.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1017760.4/17

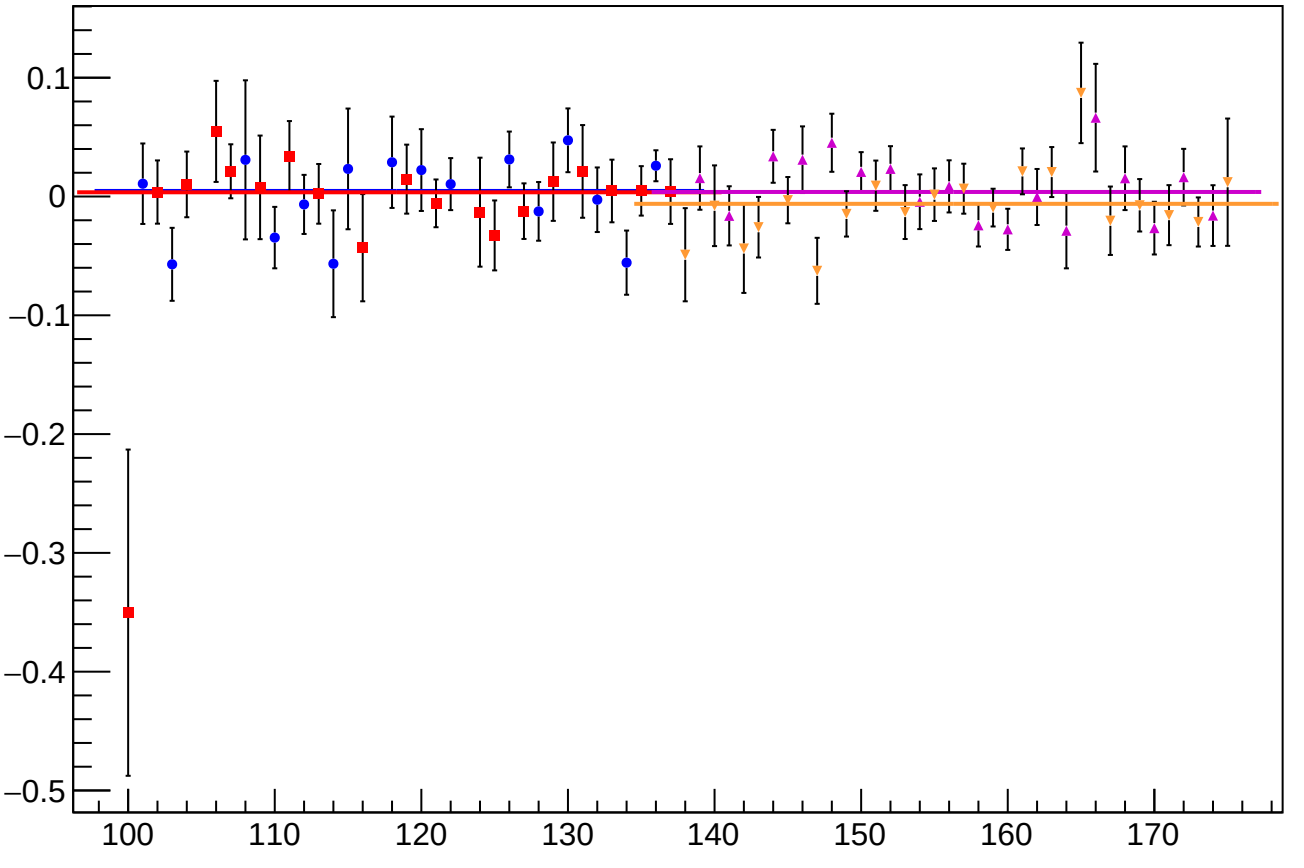
Left: 0.000+/-0.000 χ^2/NDF: 2145253.1/37

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3433685.4/33

Out: 0.000+/-0.000 χ^2/NDF:2422034.3/38

All: 0.000+/-0.000 χ^2/NDF: 5971086.5/72



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

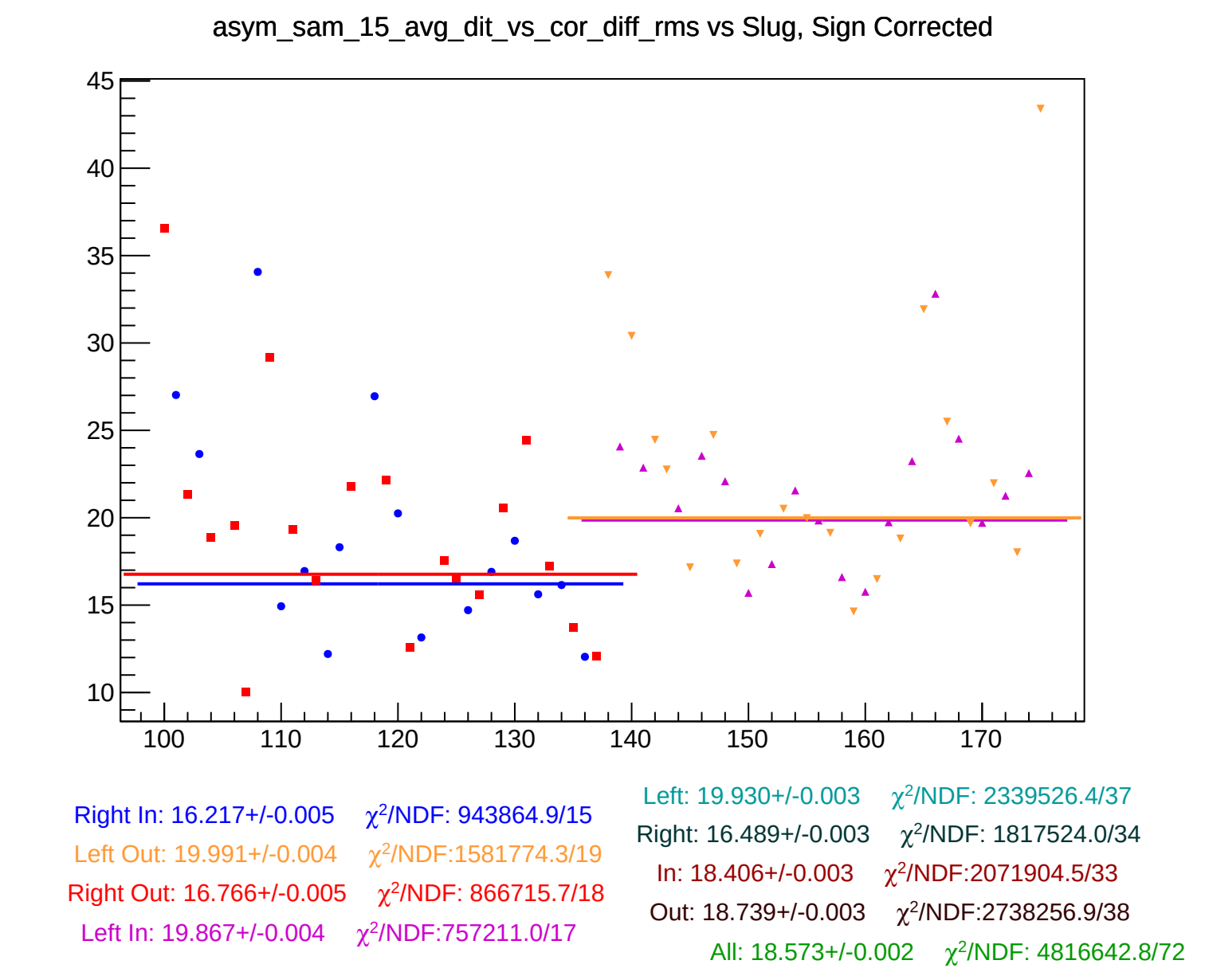
Left: -0.001+/-0.004 χ^2/NDF: 40.0/37

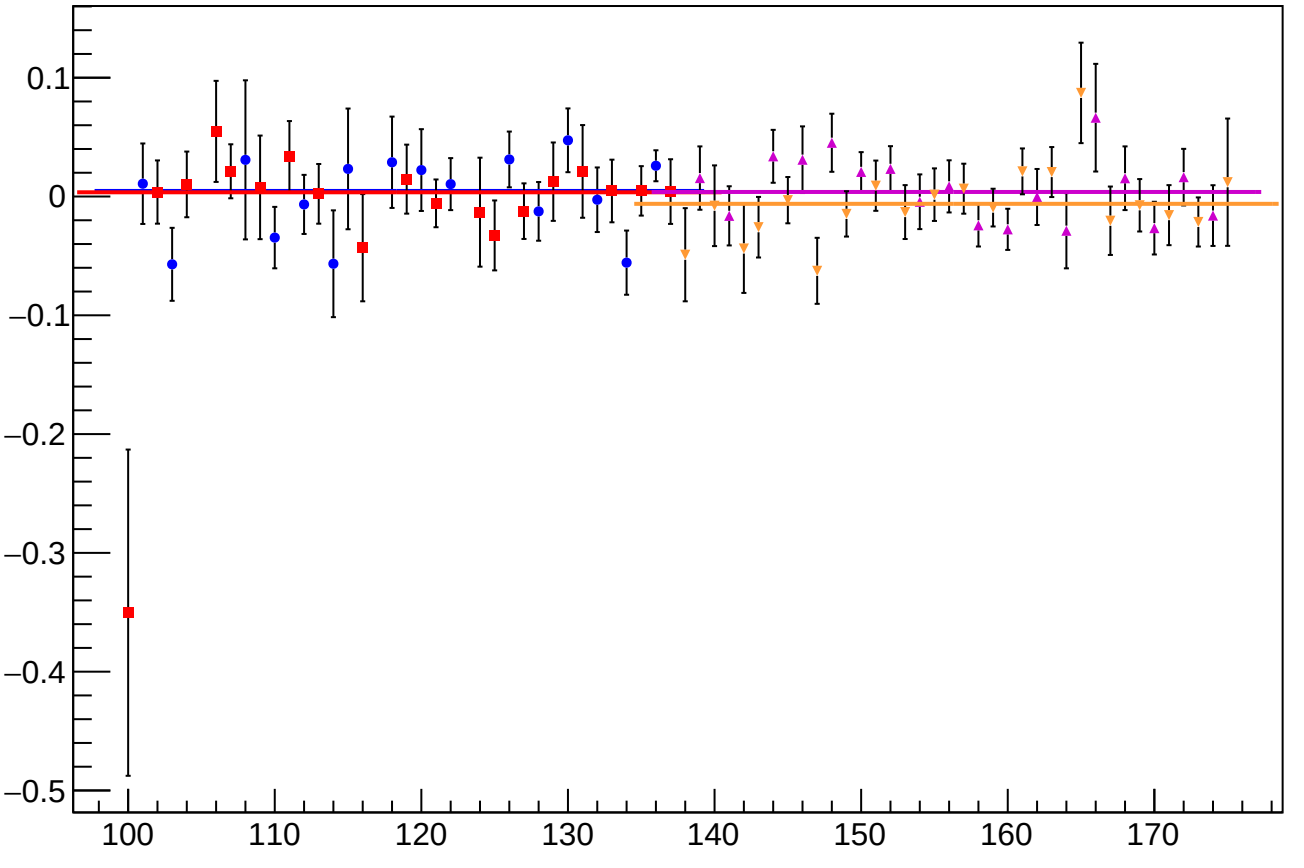
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/72


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
45
40
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.991+/-0.004 χ²/NDF:1581774.3/19
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.867+/-0.004 χ²/NDF:757211.0/17
Left: 19.930+/-0.003 χ²/NDF: 2339526.4/37
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 18.406+/-0.003 χ²/NDF:2071904.5/33
Out: 18.739+/-0.003 χ²/NDF:2738256.9/38
All: 18.573+/-0.002 χ²/NDF: 4816642.8/72



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

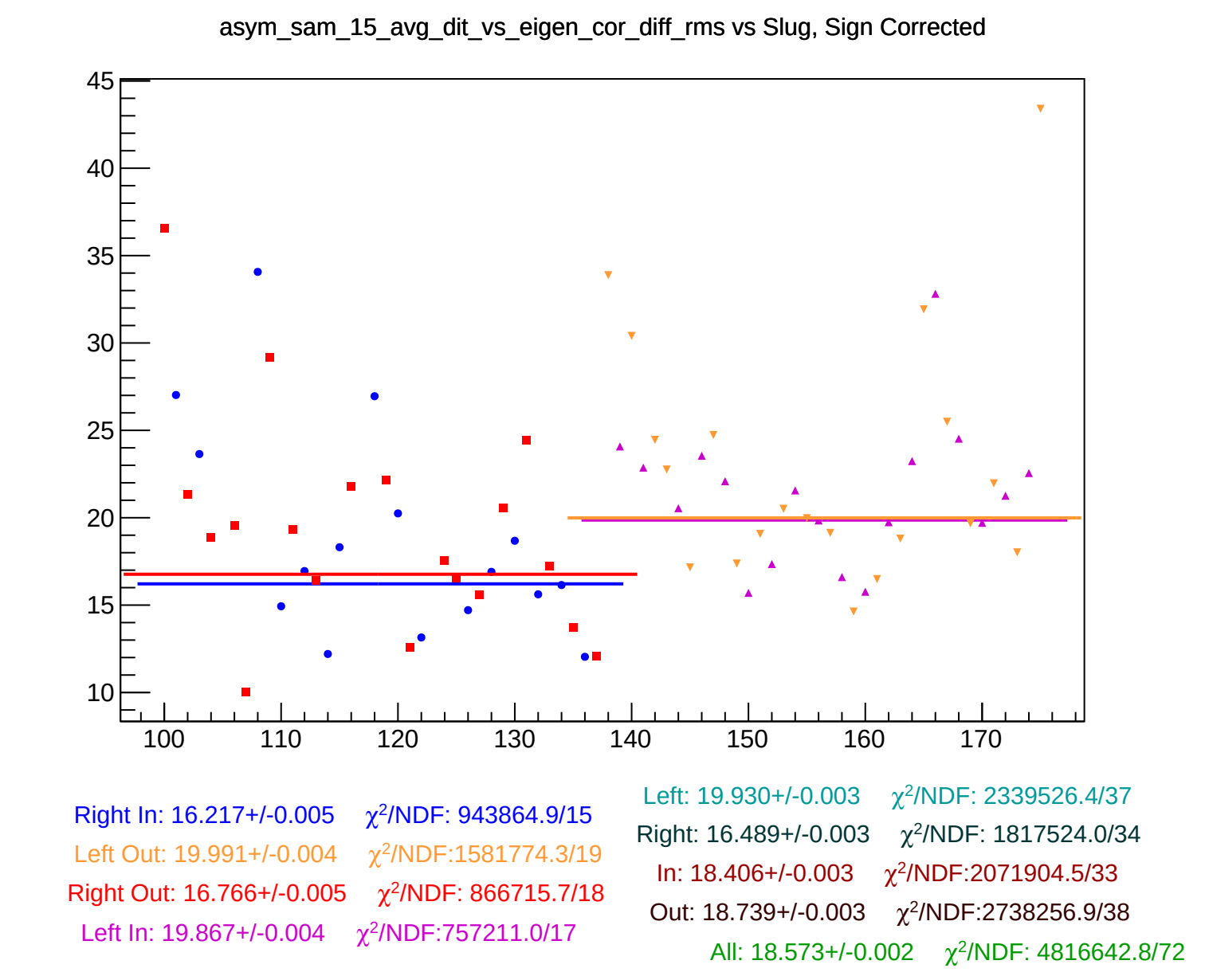
Left: -0.001+/-0.004 χ^2/NDF: 40.0/37

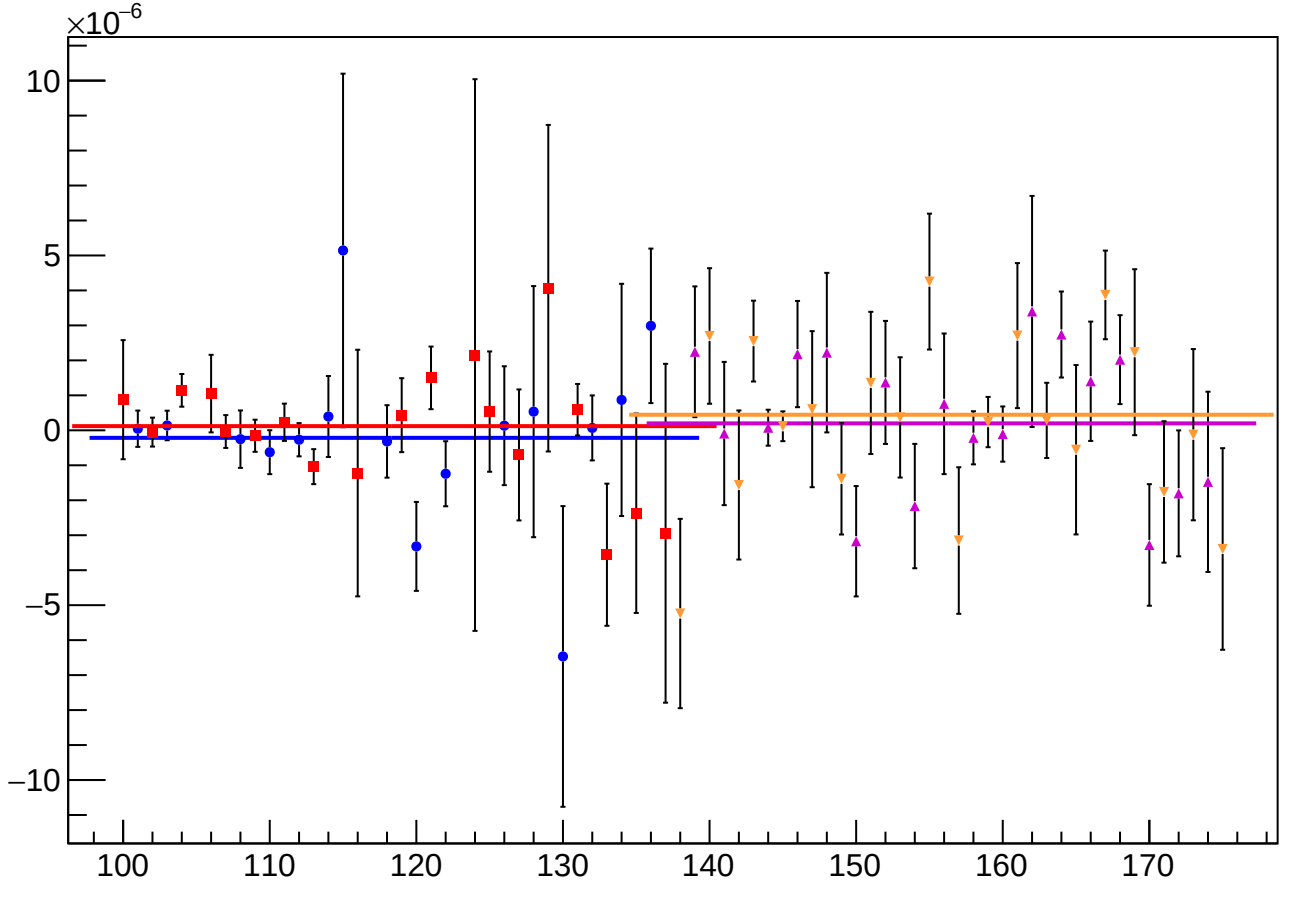
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/72


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
45
40
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.991+/-0.004 χ²/NDF:1581774.3/19
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.867+/-0.004 χ²/NDF:757211.0/17
Left: 19.930+/-0.003 χ²/NDF: 2339526.4/37
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 18.406+/-0.003 χ²/NDF:2071904.5/33
Out: 18.739+/-0.003 χ²/NDF:2738256.9/38
All: 18.573+/-0.002 χ²/NDF: 4816642.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/17

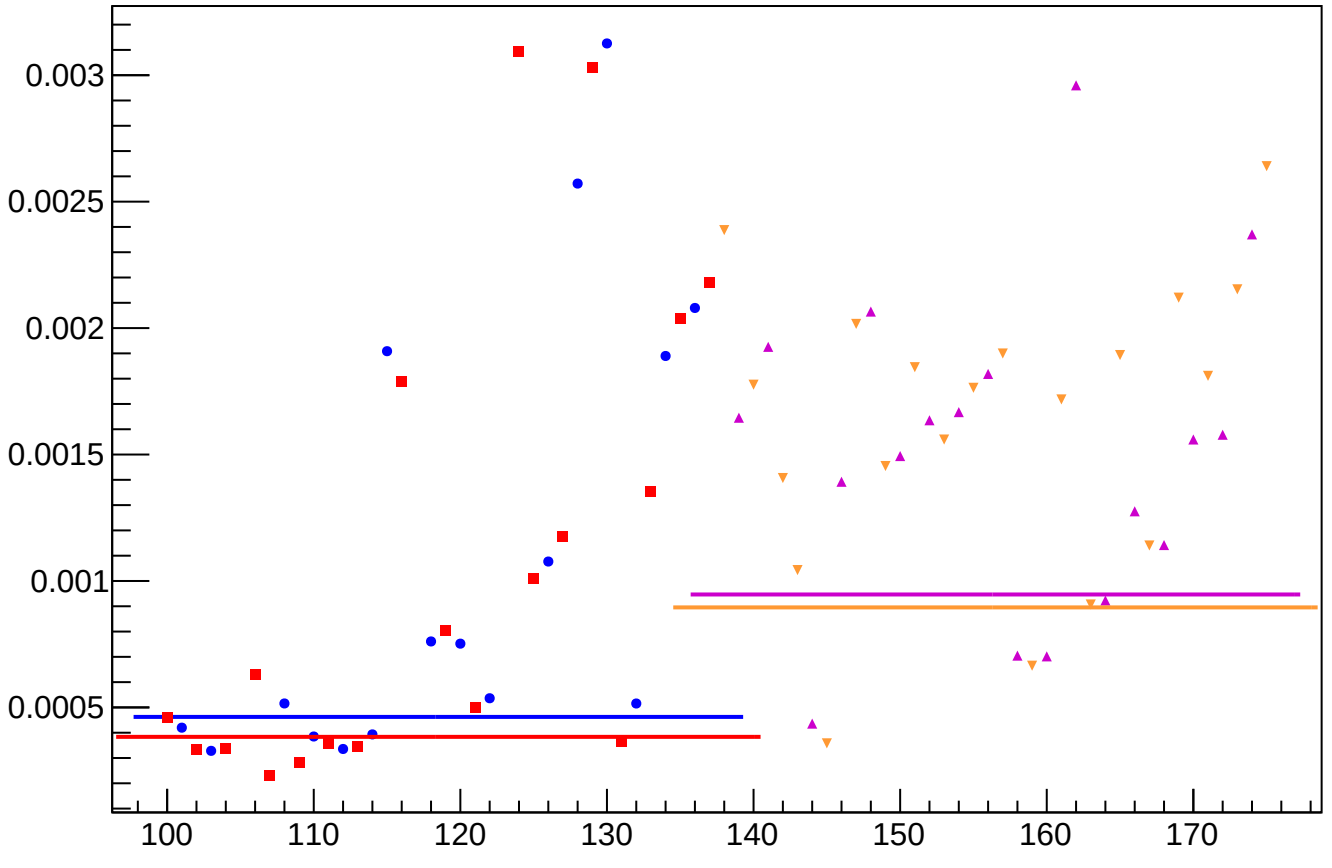
Left: 0.000+/-0.000 χ^2/NDF: 56.1/37

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:40.3/33

Out: 0.000+/-0.000 χ^2/NDF:52.5/38

All: 0.000+/-0.000 χ^2/NDF: 94.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:9831691.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6978914.3/17

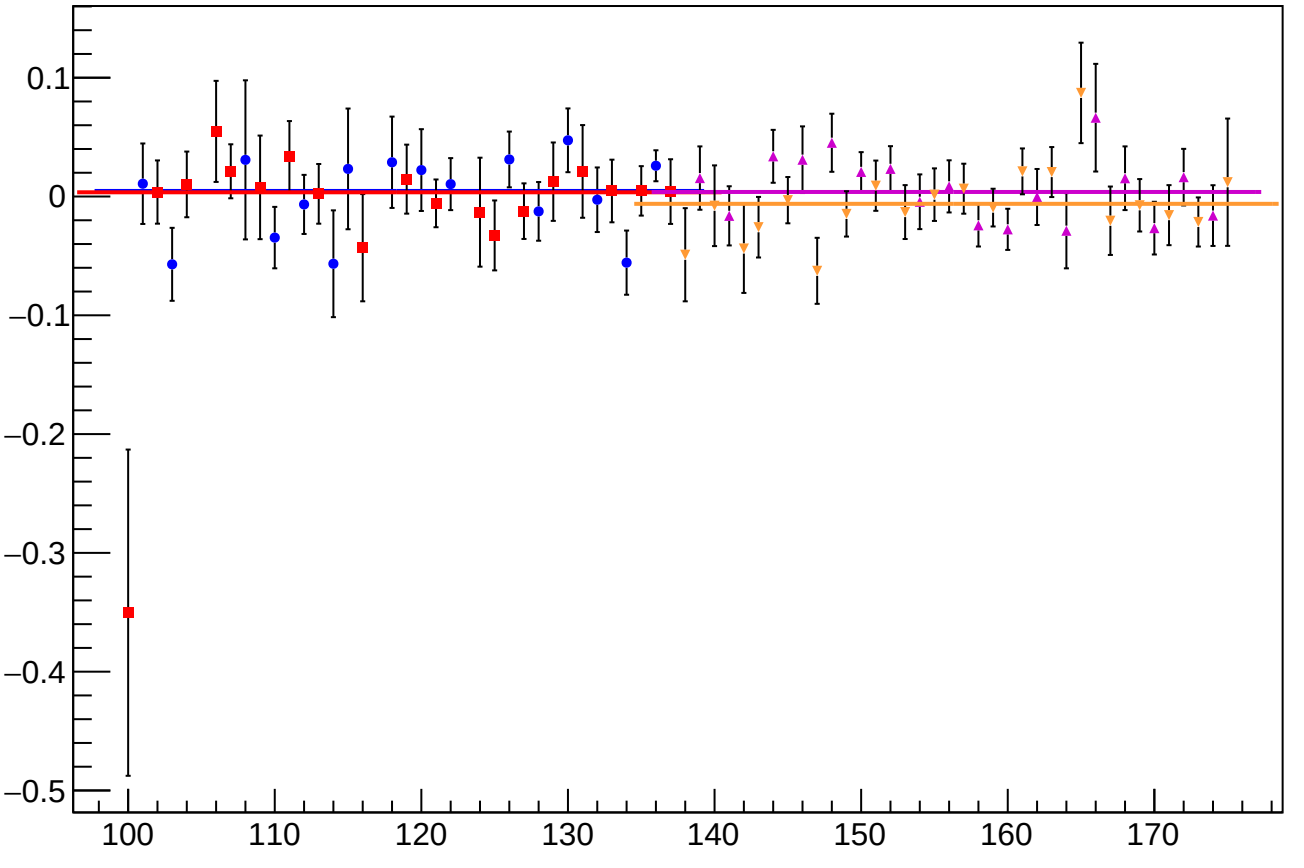
Left: 0.001+/-0.000 χ^2/NDF: 16843392.6/37

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:14714013.3/33

Out: 0.001+/-0.000 χ^2/NDF:18819977.4/38

All: 0.001+/-0.000 χ^2/NDF: 33942676.3/72



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

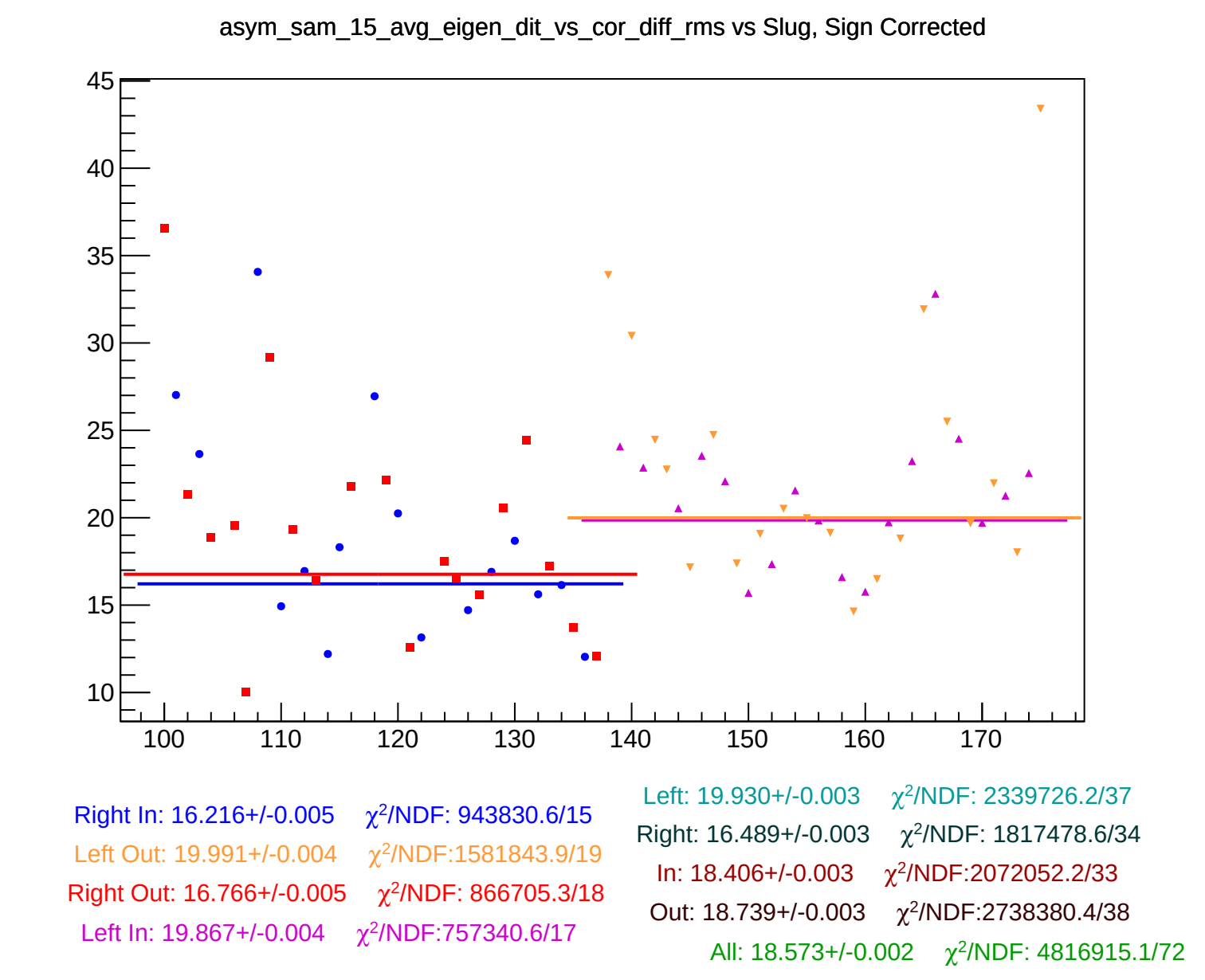
Left: -0.001+/-0.004 χ^2/NDF: 40.0/37

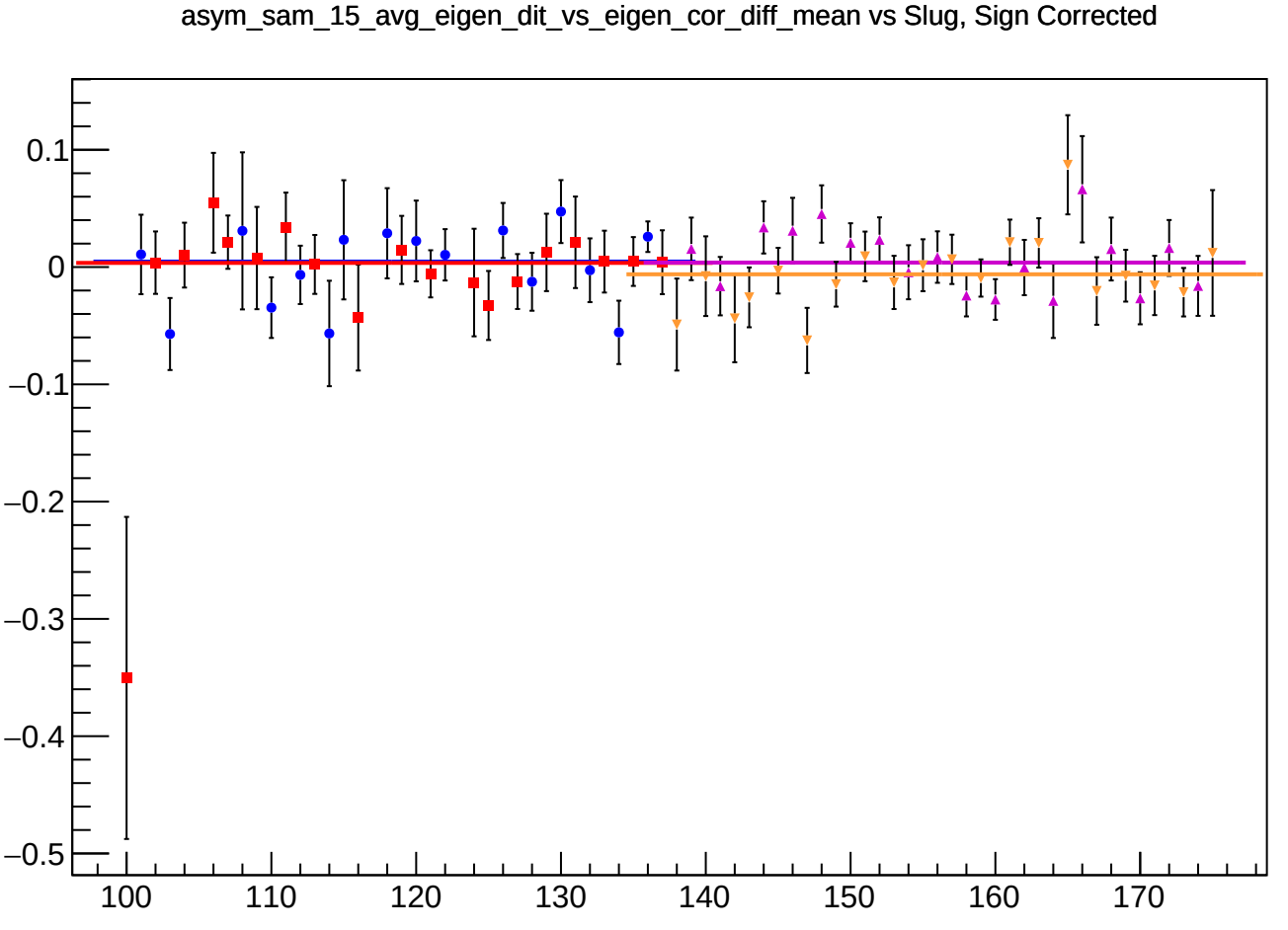
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/72


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
45
40
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 19.991+/-0.004 χ²/NDF:1581843.9/19
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 19.867+/-0.004 χ²/NDF:757340.6/17
Left: 19.930+/-0.003 χ²/NDF: 2339726.2/37
Right: 16.489+/-0.003 χ²/NDF: 1817478.6/34
In: 18.406+/-0.003 χ²/NDF:2072052.2/33
Out: 18.739+/-0.003 χ²/NDF:2738380.4/38
All: 18.573+/-0.002 χ²/NDF: 4816915.1/72



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

Left: -0.001+/-0.004 χ^2/NDF: 40.0/37

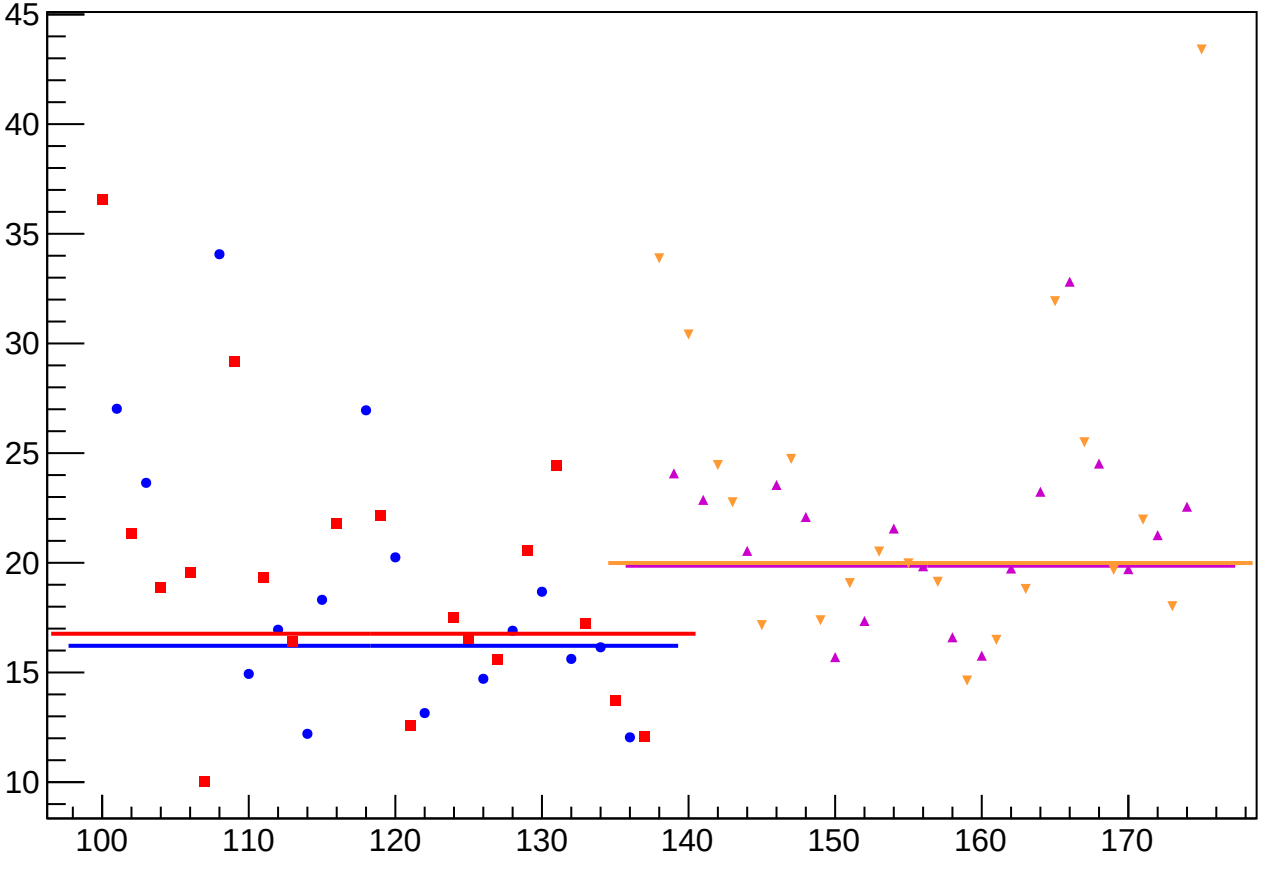
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/72

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

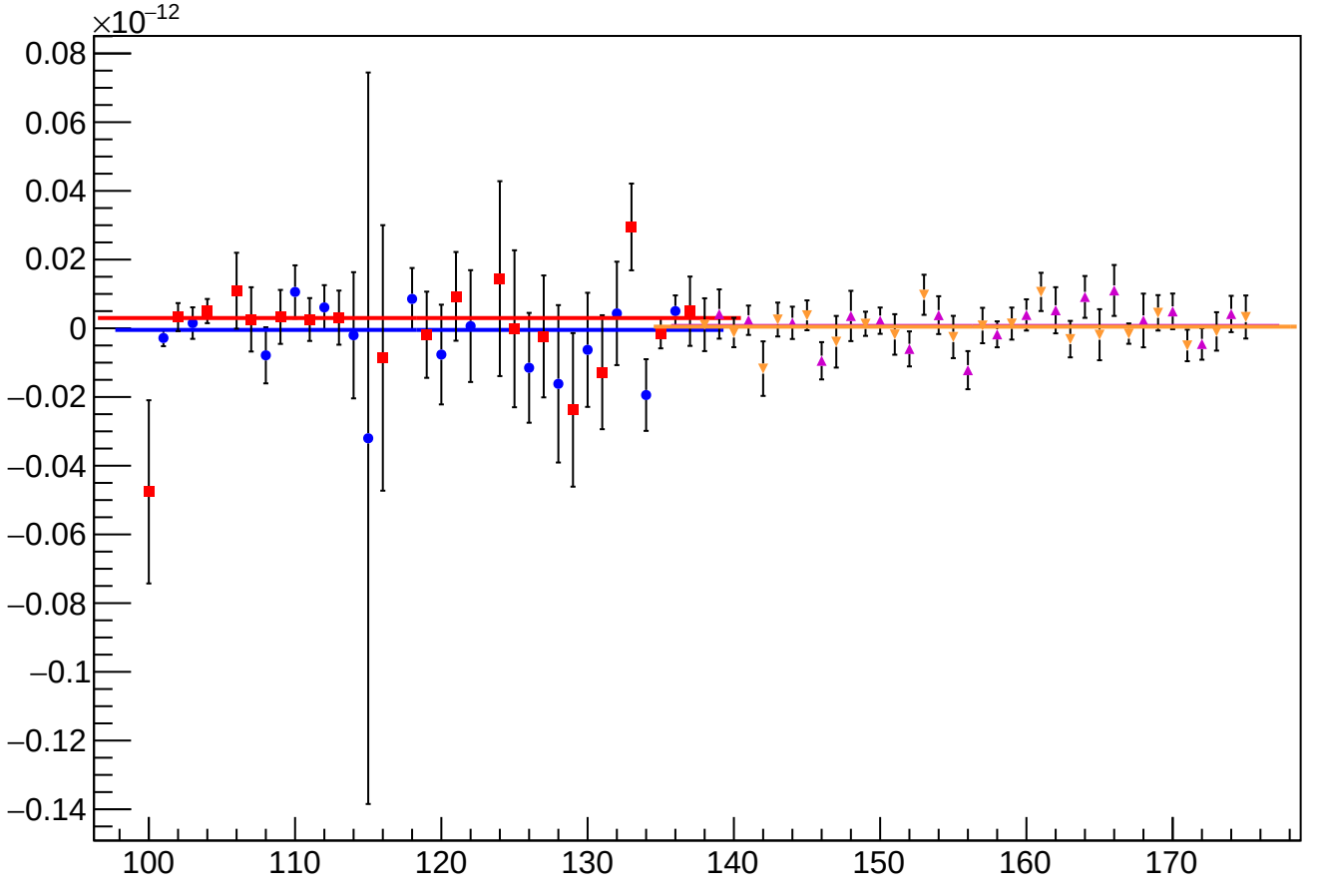
Left: 19.930+/-0.003 χ^2/NDF: 2339726.2/37

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.406+/-0.003 χ^2/NDF:2072052.2/33

Out: 18.739+/-0.003 χ^2/NDF:2738380.4/38

All: 18.573+/-0.002 χ^2/NDF: 4816915.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/17

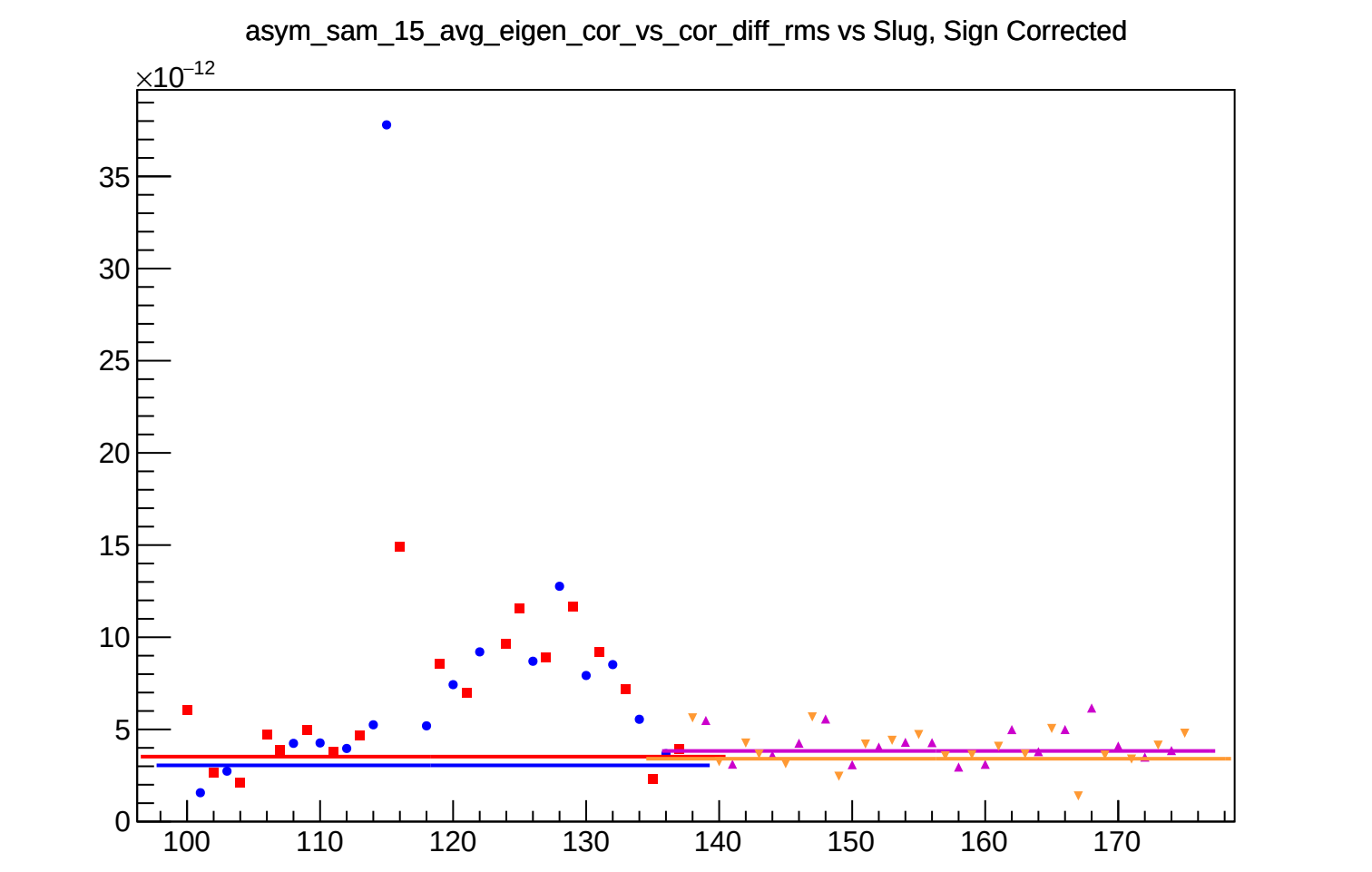
Left: 0.000+/-0.000 χ^2/NDF: 32.6/37

Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:32.0/33

Out: 0.000+/-0.000 χ^2/NDF:27.7/38

All: 0.000+/-0.000 χ^2/NDF: 60.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1922083.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:858474.1/17

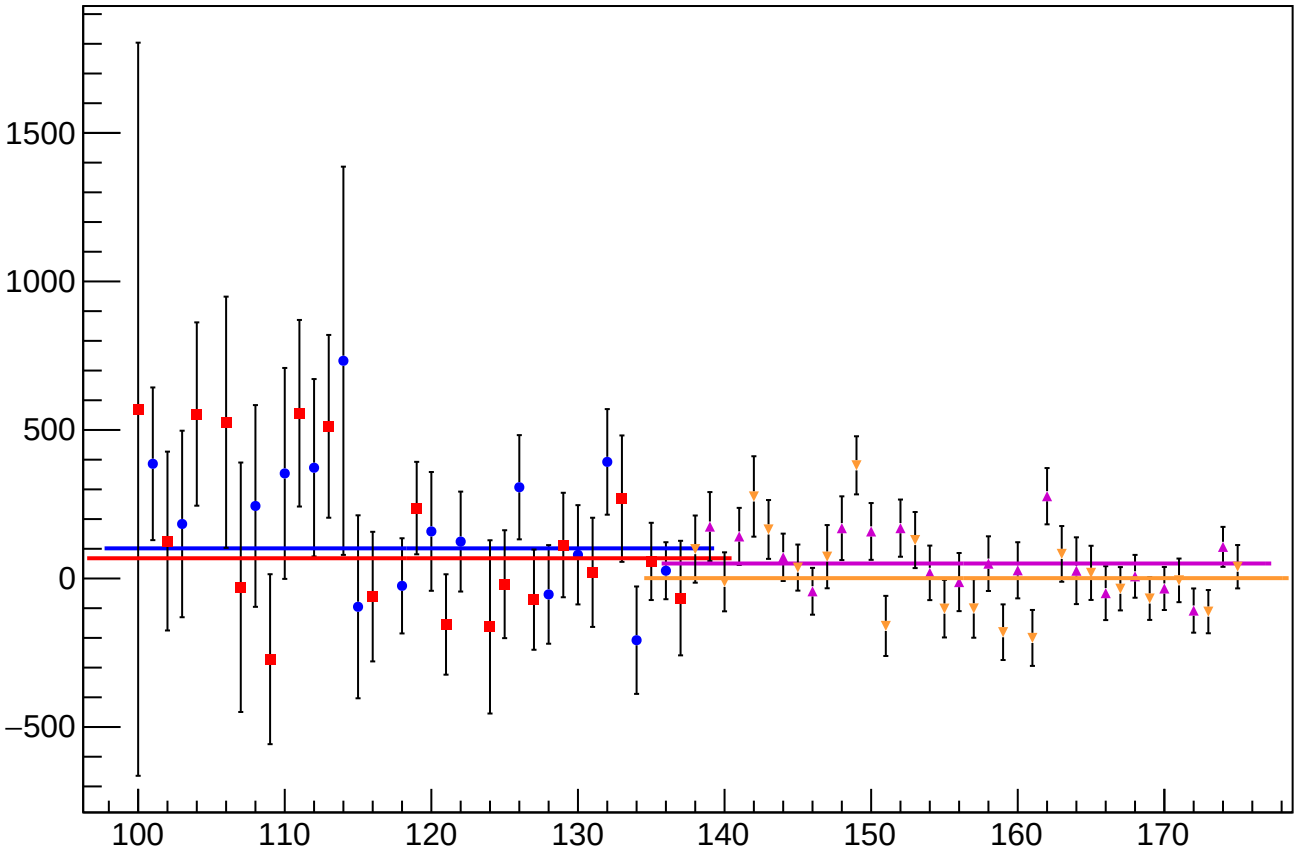
Left: 0.000+/-0.000 χ^2/NDF: 2909325.4/37

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4087967.7/33

Out: 0.000+/-0.000 χ^2/NDF:4487020.3/38

All: 0.000+/-0.000 χ^2/NDF: 8587701.6/72



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 50.465+/-20.608 χ^2/NDF:22.0/17

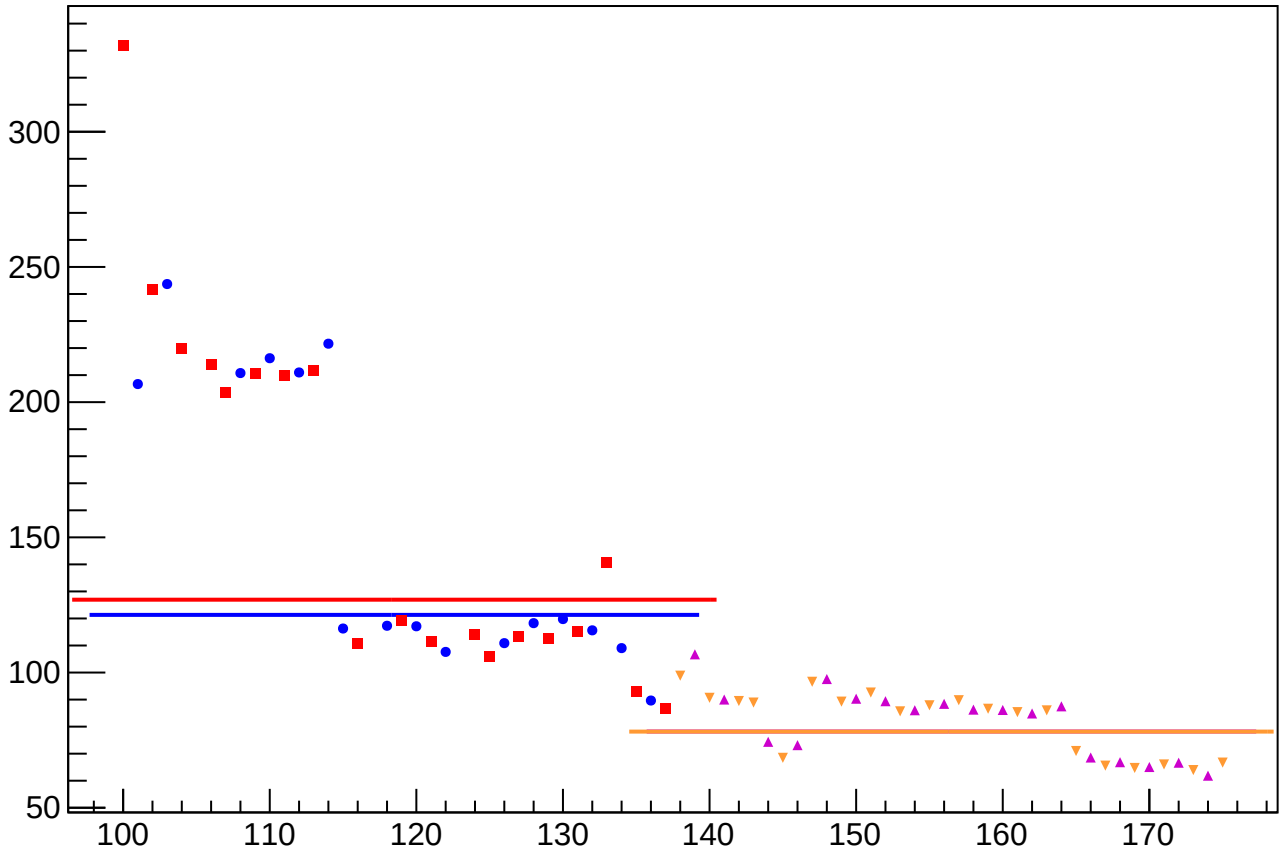
Left: 24.995+/-14.326 χ^2/NDF: 67.9/37

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 58.506+/-18.913 χ^2/NDF:36.4/33

Out: 10.566+/-18.478 χ^2/NDF:60.6/38

All: 33.978+/-13.217 χ^2/NDF: 100.3/72



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 78.163+/-0.014 χ^2/NDF:718252.0/19

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

Left: 78.178+/-0.010 χ^2/NDF: 1400345.5/37

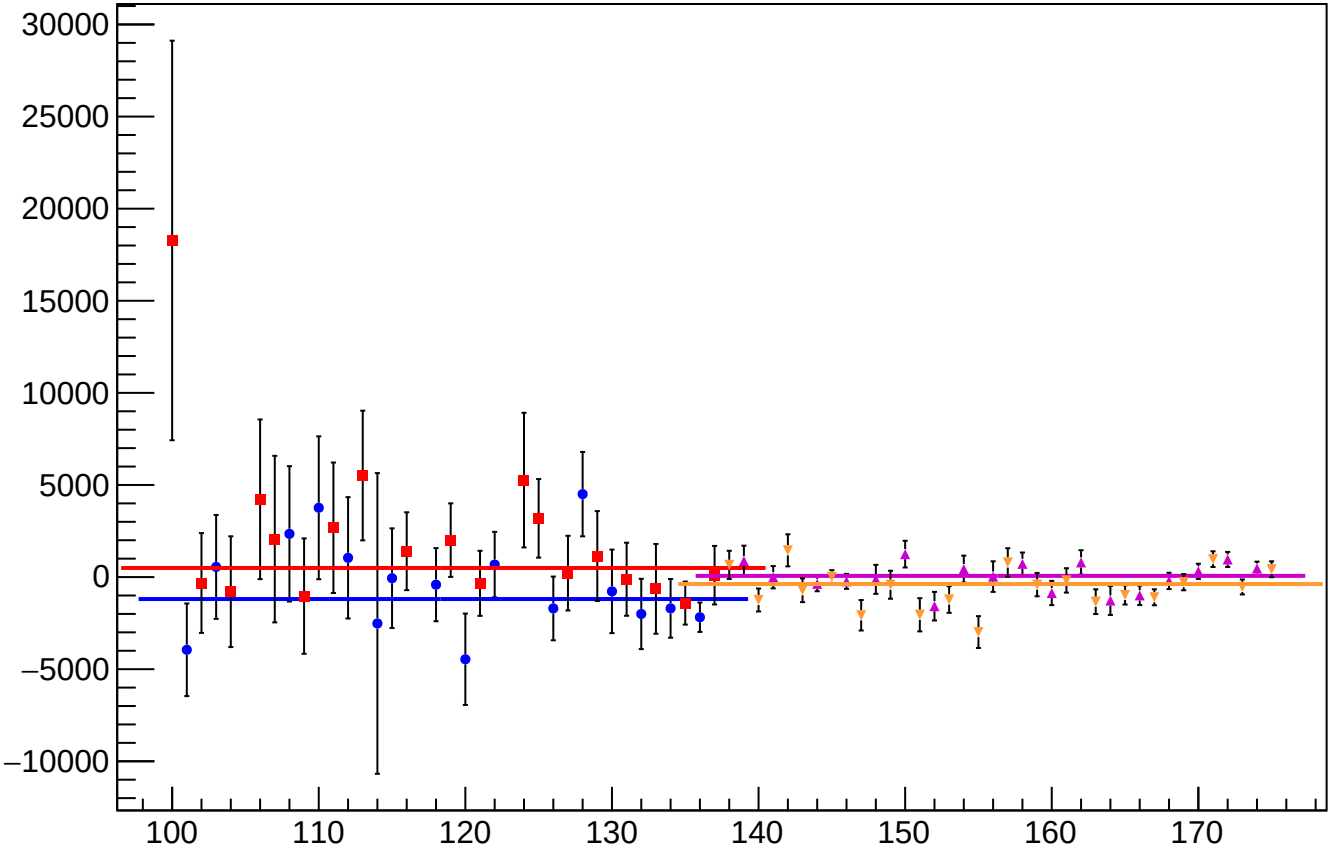
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 84.995+/-0.013 χ^2/NDF:3350176.5/33

Out: 85.008+/-0.013 χ^2/NDF:3871360.5/38

All: 85.002+/-0.009 χ^2/NDF: 7221537.5/72

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -377.578+/-125.887 χ^2/NDF:50.0/19

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 64.558+/-127.591 χ^2/NDF:28.0/17

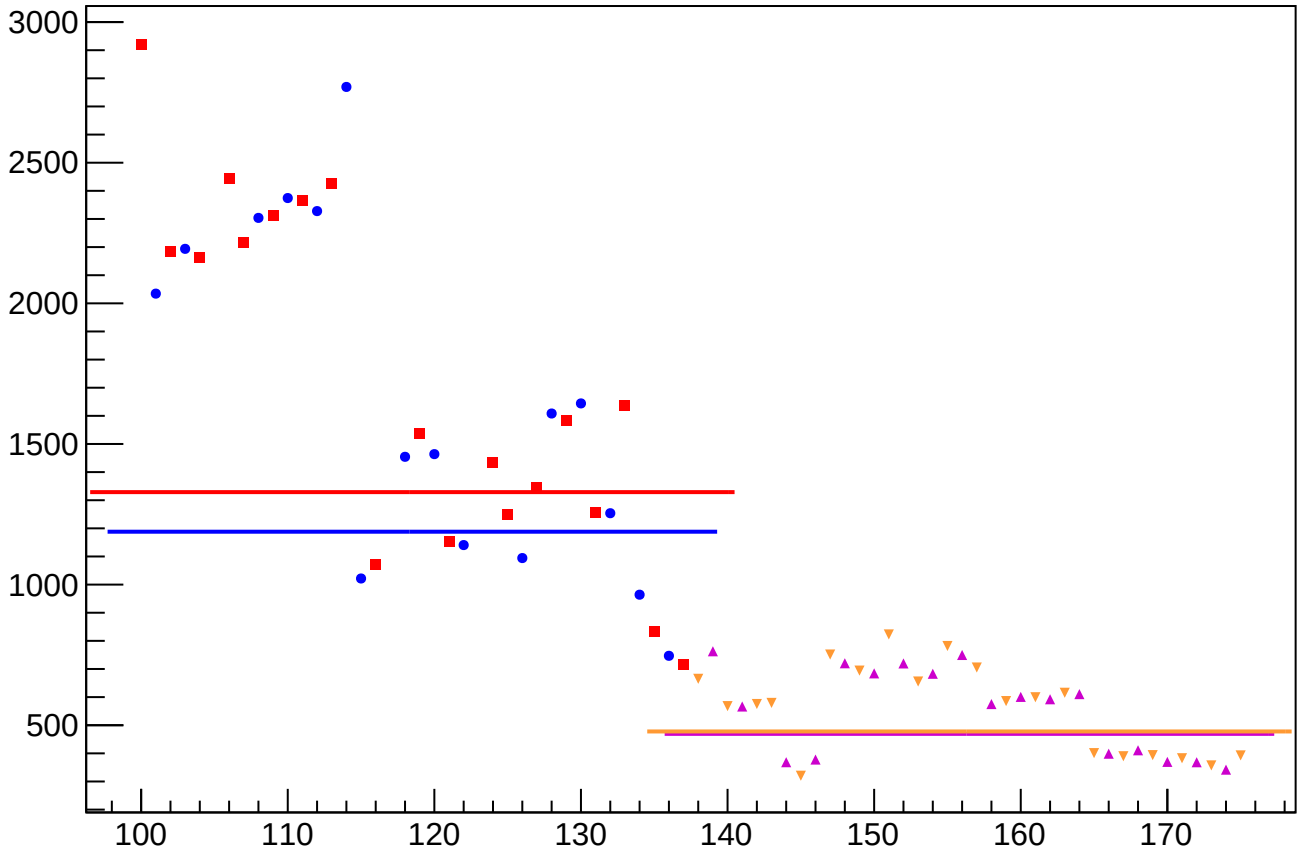
Left: -159.483+/-89.612 χ^2/NDF: 84.0/37

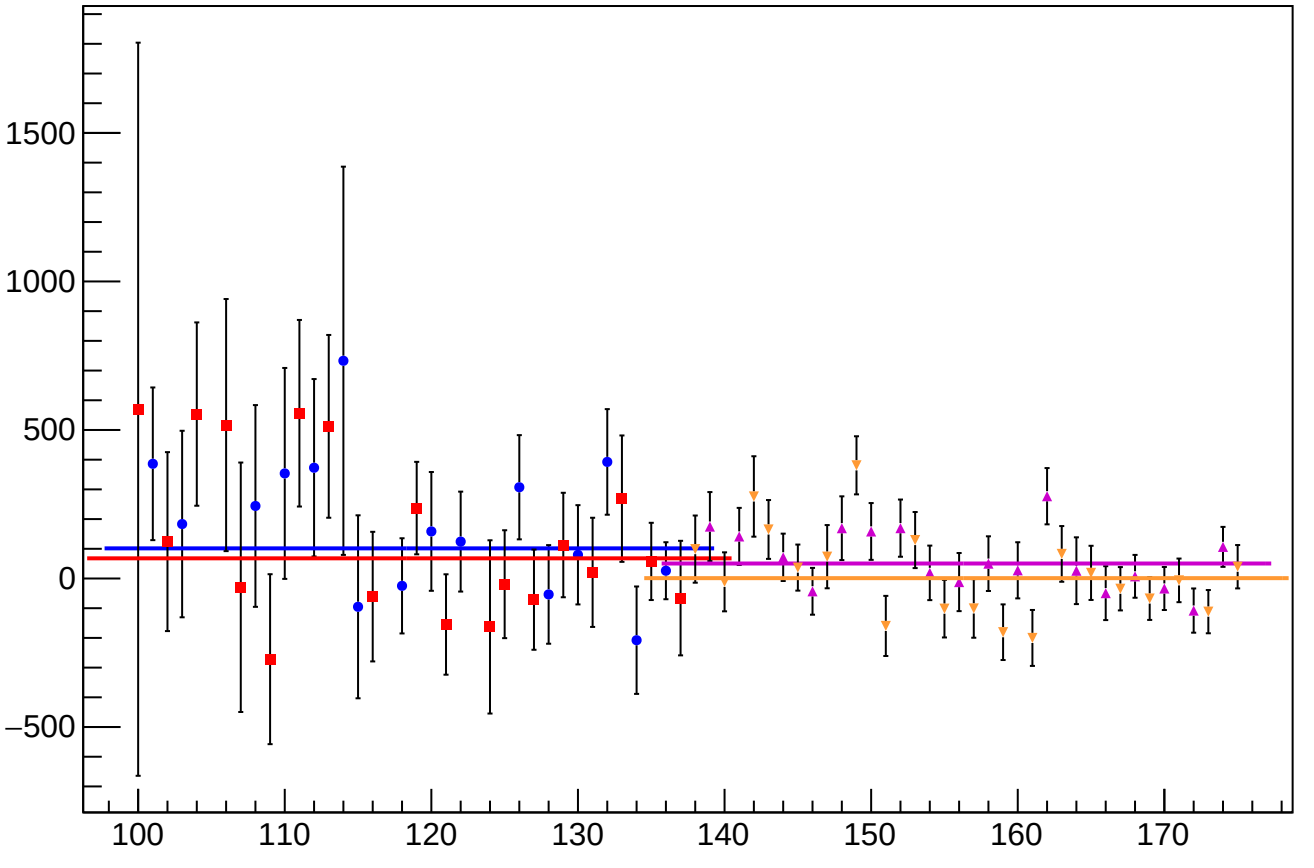
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -18.733+/-123.291 χ^2/NDF:50.3/33

Out: -329.597+/-122.375 χ^2/NDF:66.5/38

All: -175.323+/-86.854 χ^2/NDF: 120.0/72


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 477.874+/-0.089 χ²/NDF:2590927.2/19
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 469.336+/-0.090 χ²/NDF:2328824.8/17
Left: 473.662+/-0.063 χ²/NDF: 4924290.4/37
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 516.971+/-0.087 χ²/NDF:8579567.0/33
Out: 524.686+/-0.087 χ²/NDF:9575841.5/38
All: 520.857+/-0.061 χ²/NDF: 18159353.5/72



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 50.464+/-20.608 χ^2/NDF:22.0/17

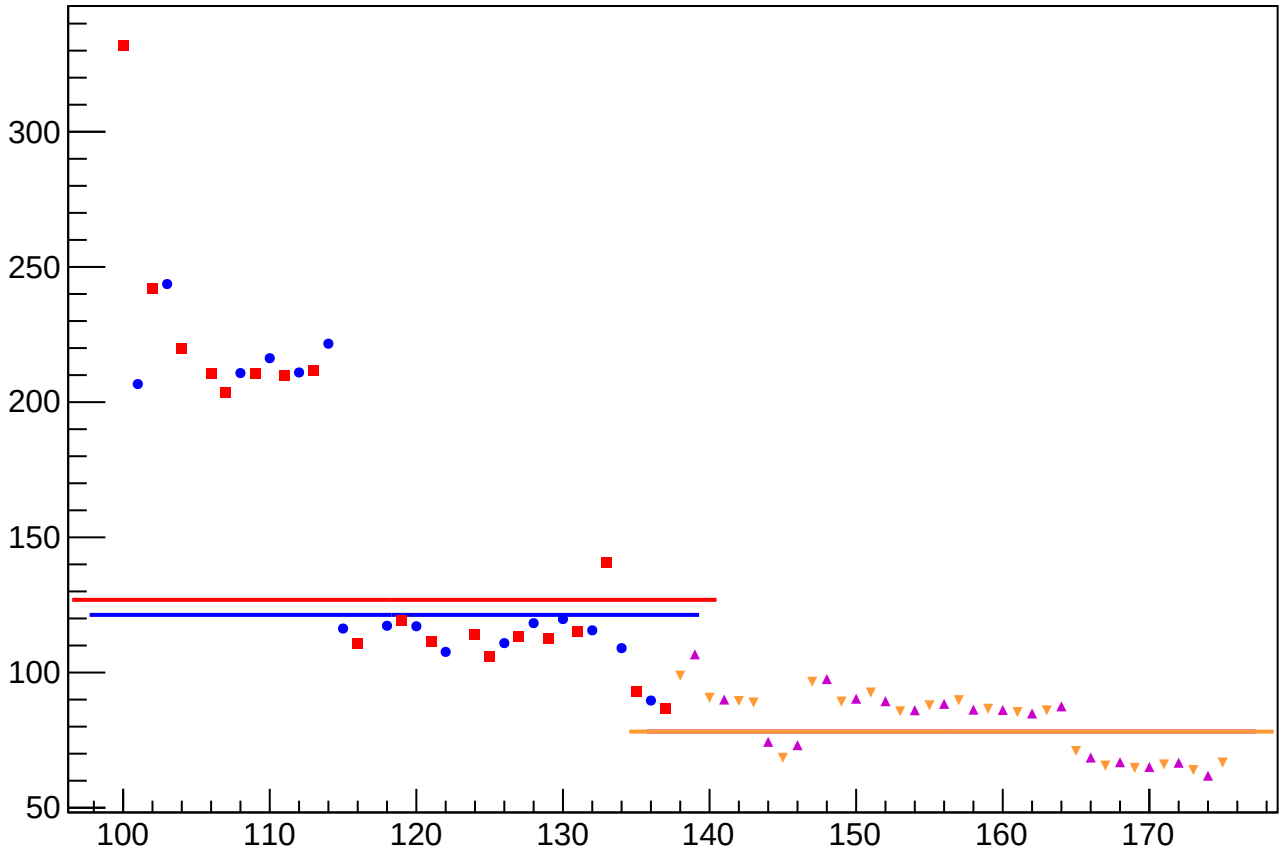
Left: 24.994+/-14.326 χ^2/NDF: 67.9/37

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 58.503+/-18.913 χ^2/NDF:36.4/33

Out: 10.534+/-18.479 χ^2/NDF:60.6/38

All: 33.960+/-13.217 χ^2/NDF: 100.2/72



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

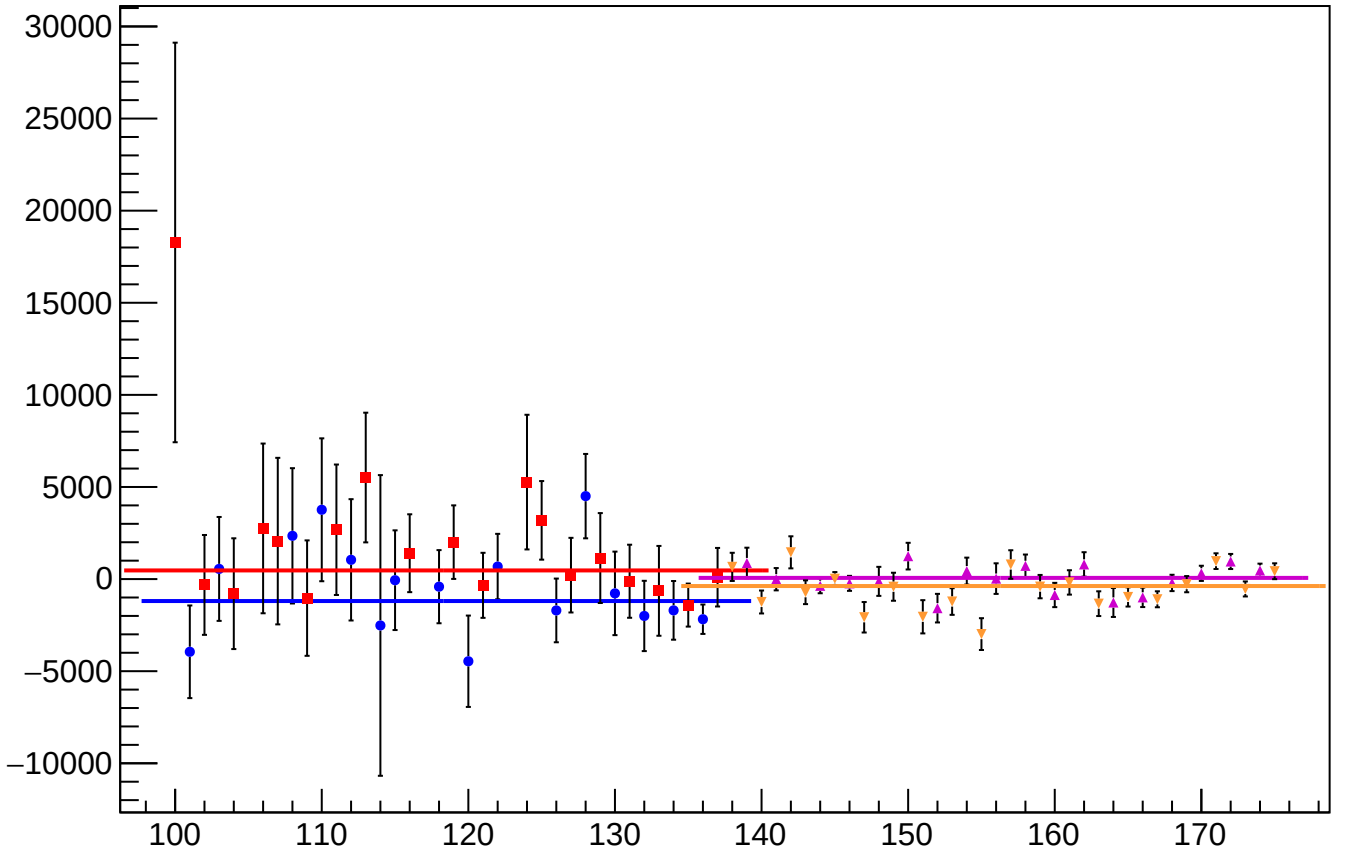
Left: 78.178+/-0.010 χ^2/NDF: 1400345.4/37

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 84.995+/-0.013 χ^2/NDF:3350178.6/33

Out: 85.001+/-0.013 χ^2/NDF:3861620.4/38

All: 84.998+/-0.009 χ^2/NDF: 7211799.1/72



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 64.558+/-127.591 χ^2/NDF:28.0/17

Left: -159.482+/-89.612 χ^2/NDF: 84.0/37

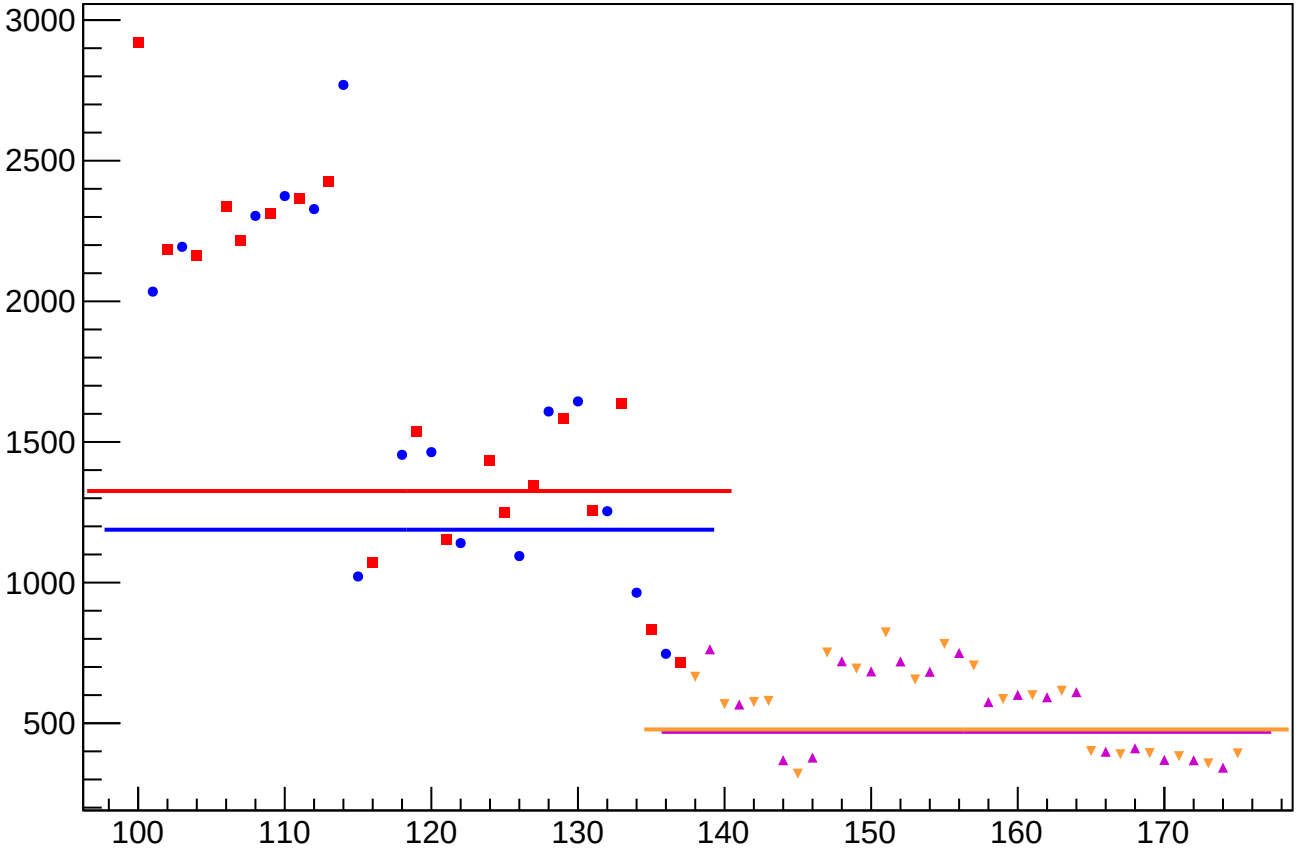
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -18.731+/-123.291 χ^2/NDF:50.3/33

Out: -331.039+/-122.381 χ^2/NDF:65.8/38

All: -176.041+/-86.856 χ^2/NDF: 119.4/72

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

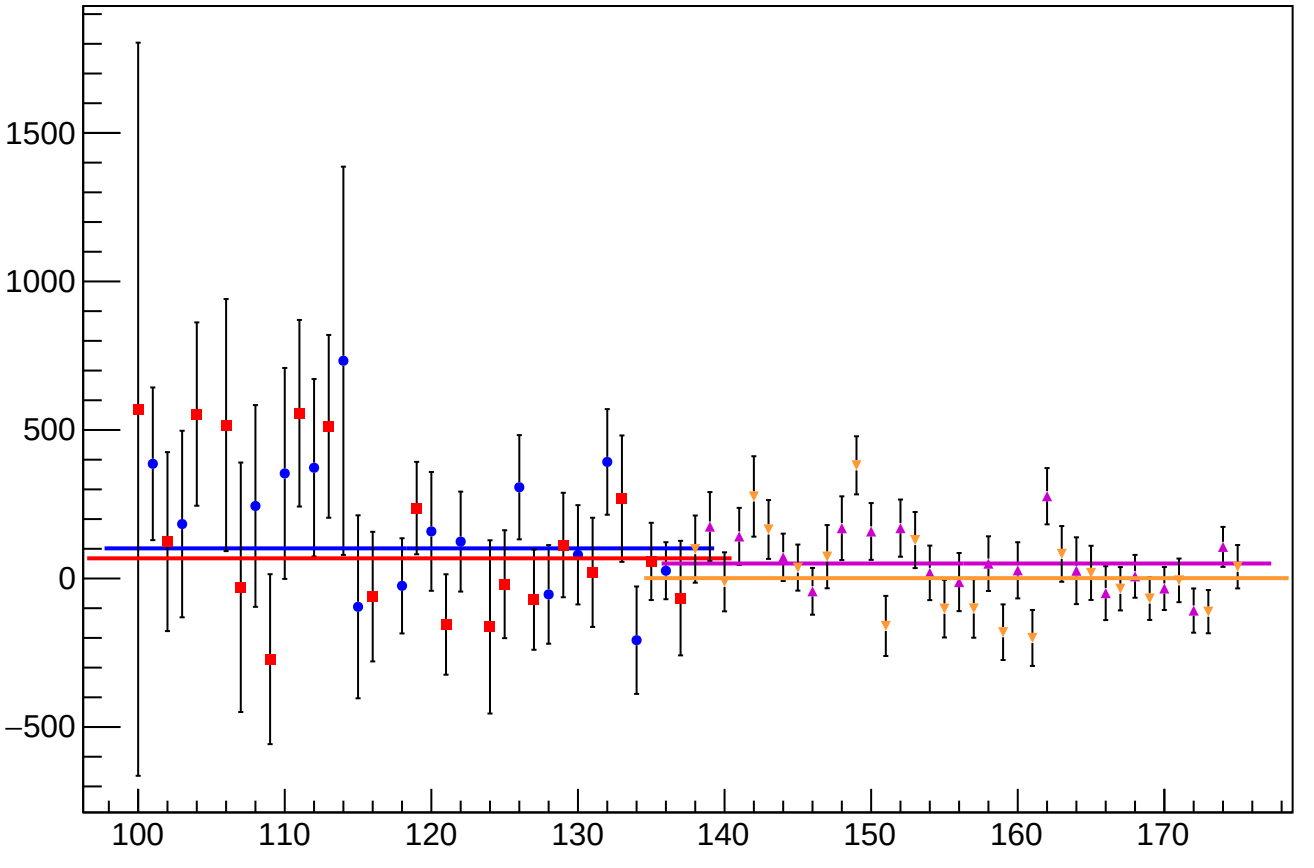
Left: 473.662+/-0.063 χ^2/NDF: 4924299.9/37

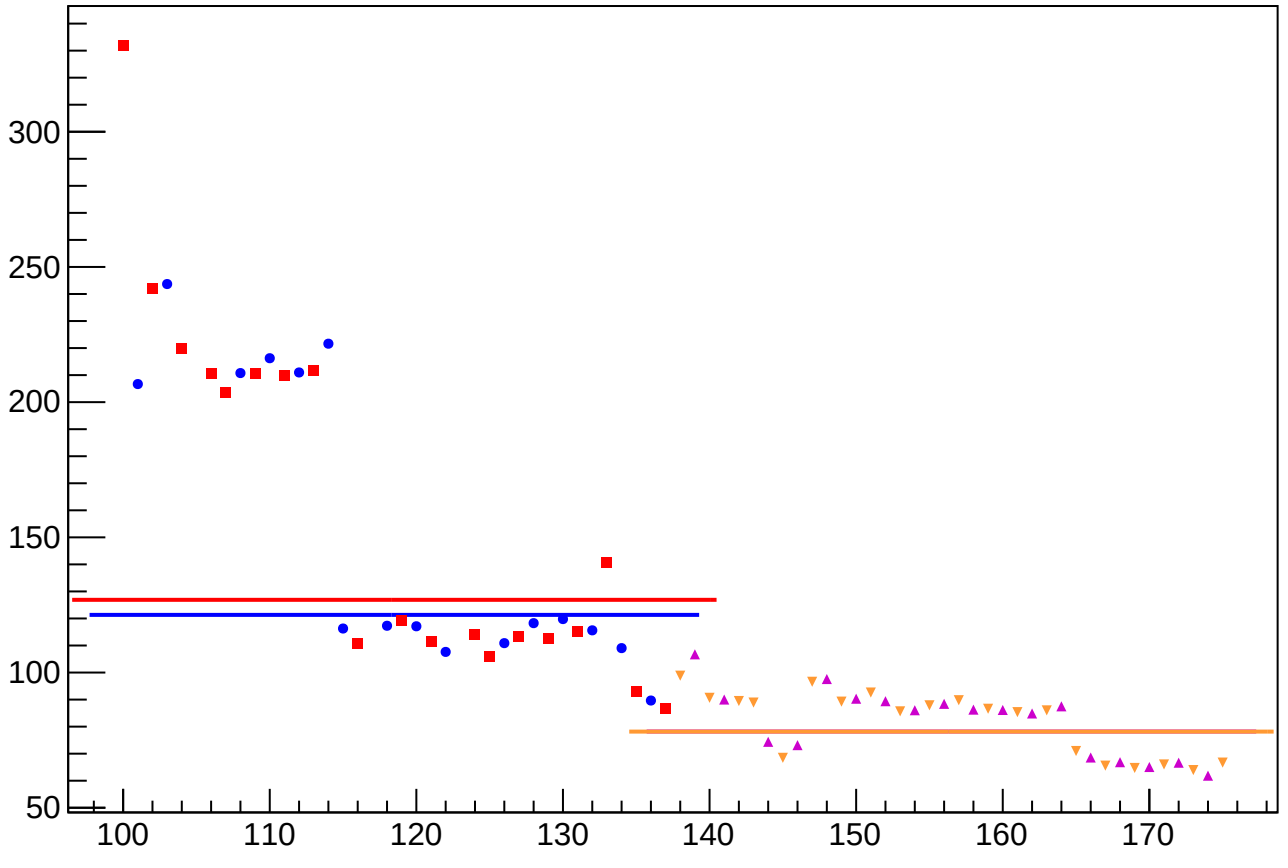
Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 516.971+/-0.087 χ^2/NDF:8579585.8/33

Out: 524.431+/-0.087 χ^2/NDF:9492649.3/38

All: 520.728+/-0.061 χ^2/NDF: 18075923.7/72


eigen_cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: 101.446+/-47.631 χ²/NDF: 13.3/15
Left Out: 1.173+/-19.930 χ²/NDF:42.9/19
Right Out: 67.881+/-49.331 χ²/NDF: 16.1/18
Left In: 50.464+/-20.608 χ²/NDF:22.0/17
Left: 24.994+/-14.326 χ²/NDF: 67.9/37
Right: 85.252+/-34.265 χ²/NDF: 29.7/34
In: 58.503+/-18.913 χ²/NDF:36.4/33
Out: 10.534+/-18.479 χ²/NDF:60.6/38
All: 33.960+/-13.217 χ²/NDF: 100.2/72



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

Left: 78.178+/-0.010 χ^2/NDF: 1400345.4/37

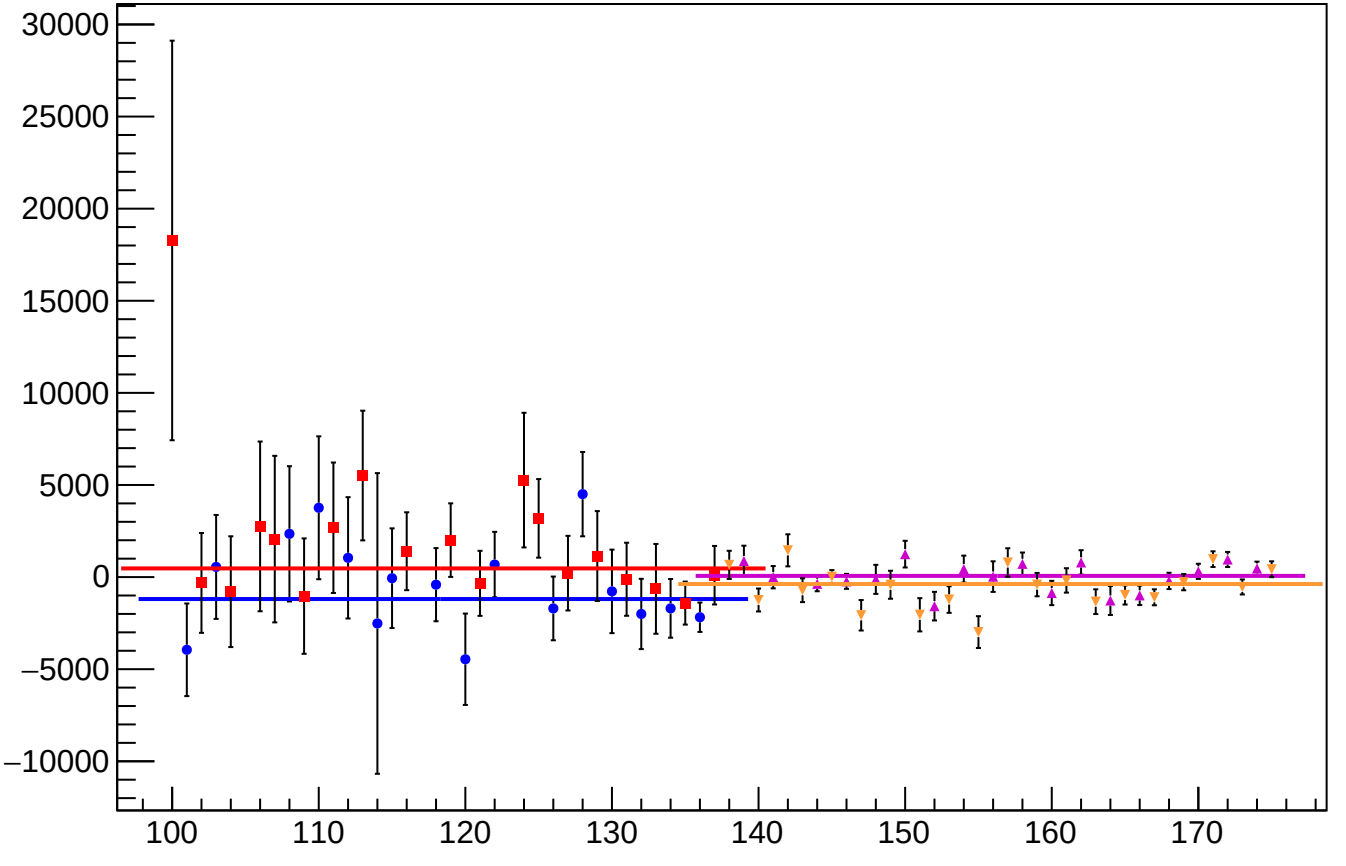
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 84.995+/-0.013 χ^2/NDF:3350178.6/33

Out: 85.001+/-0.013 χ^2/NDF:3861620.4/38

All: 84.998+/-0.009 χ^2/NDF: 7211799.1/72

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 64.558+/-127.591 χ^2/NDF:28.0/17

Left: -159.482+/-89.612 χ^2/NDF: 84.0/37

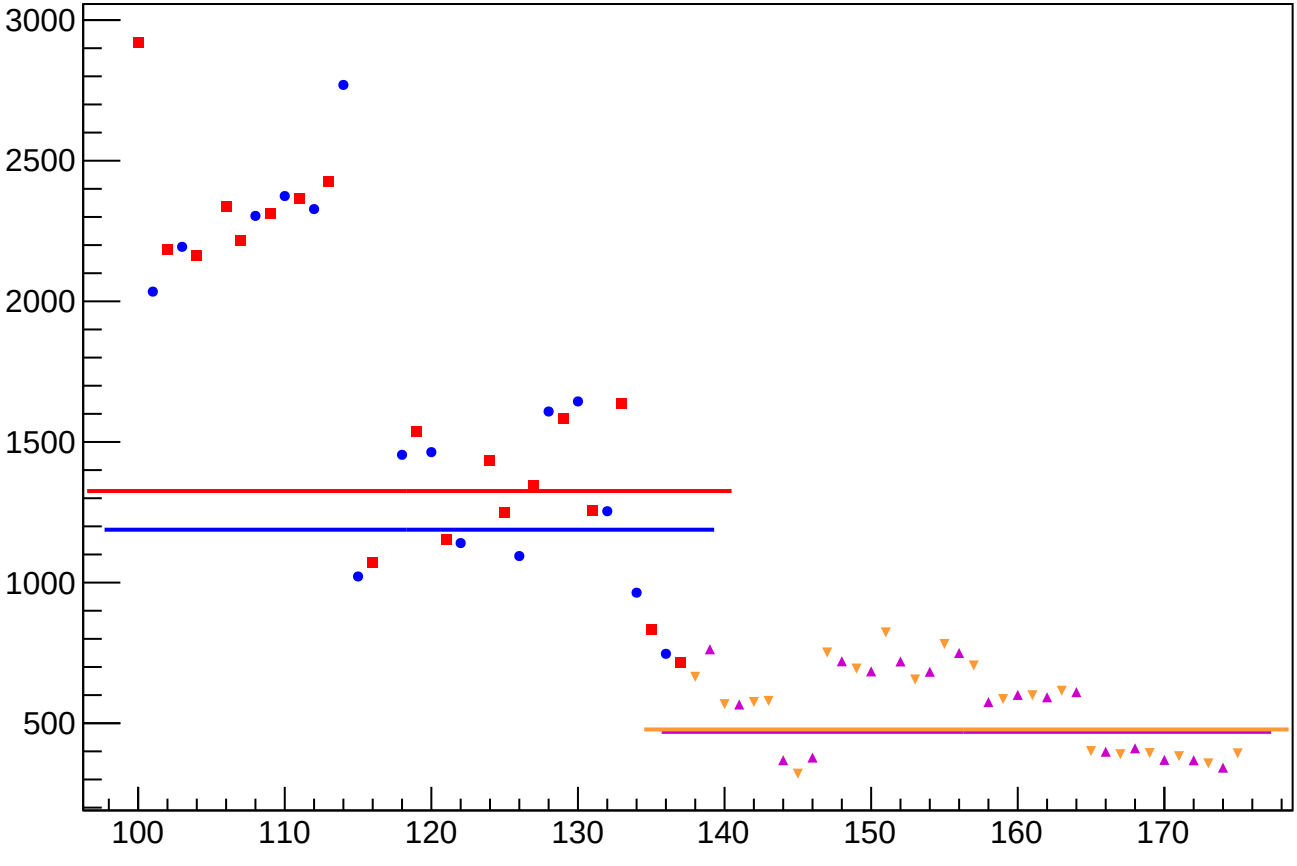
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -18.731+/-123.291 χ^2/NDF:50.3/33

Out: -331.039+/-122.381 χ^2/NDF:65.8/38

All: -176.041+/-86.856 χ^2/NDF: 119.4/72

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

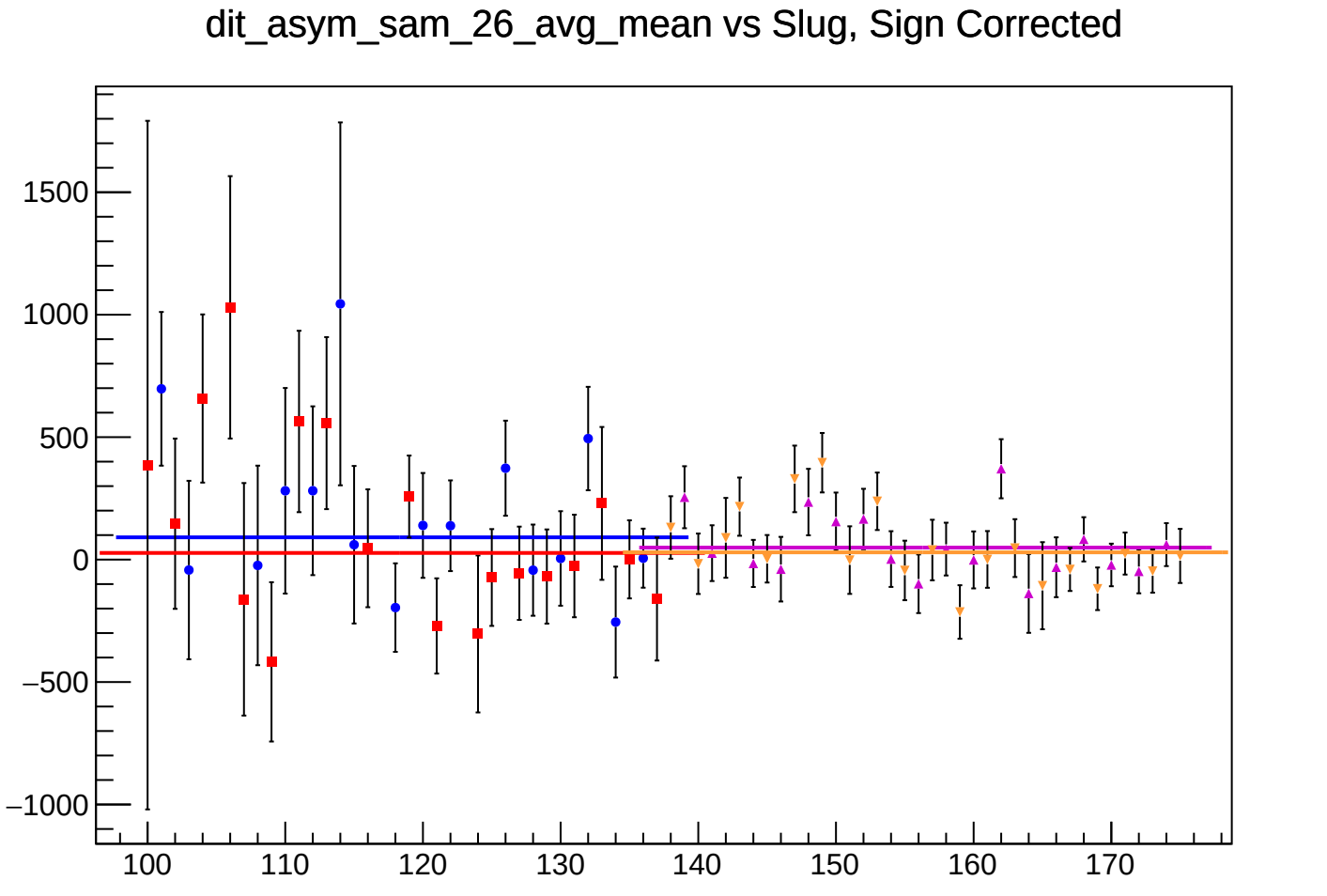
Left: 473.662+/-0.063 χ^2/NDF: 4924299.9/37

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 516.971+/-0.087 χ^2/NDF:8579585.8/33

Out: 524.431+/-0.087 χ^2/NDF:9492649.3/38

All: 520.728+/-0.061 χ^2/NDF: 18075923.7/72



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 29.596+/-25.069 χ^2/NDF:31.0/19

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.021+/-25.930 χ^2/NDF:19.9/17

Left: 38.980+/-18.023 χ^2/NDF: 51.2/37

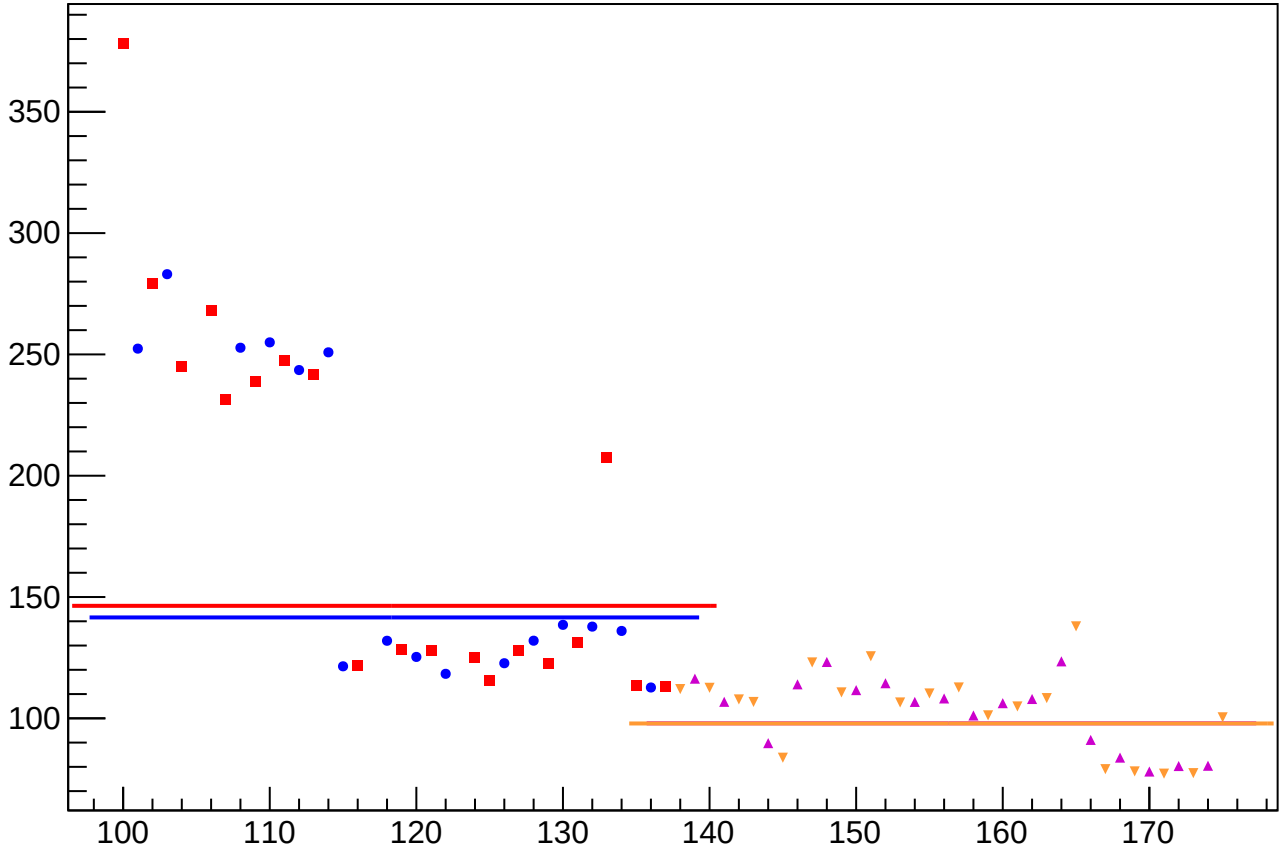
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 56.512+/-23.498 χ^2/NDF:38.5/33

Out: 29.203+/-22.949 χ^2/NDF:51.5/38

All: 42.535+/-16.418 χ^2/NDF: 90.7/72

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.880+/-0.018 χ^2/NDF:891843.4/19

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.941+/-0.018 χ^2/NDF:650091.8/17

Left: 97.909+/-0.013 χ^2/NDF: 1541941.0/37

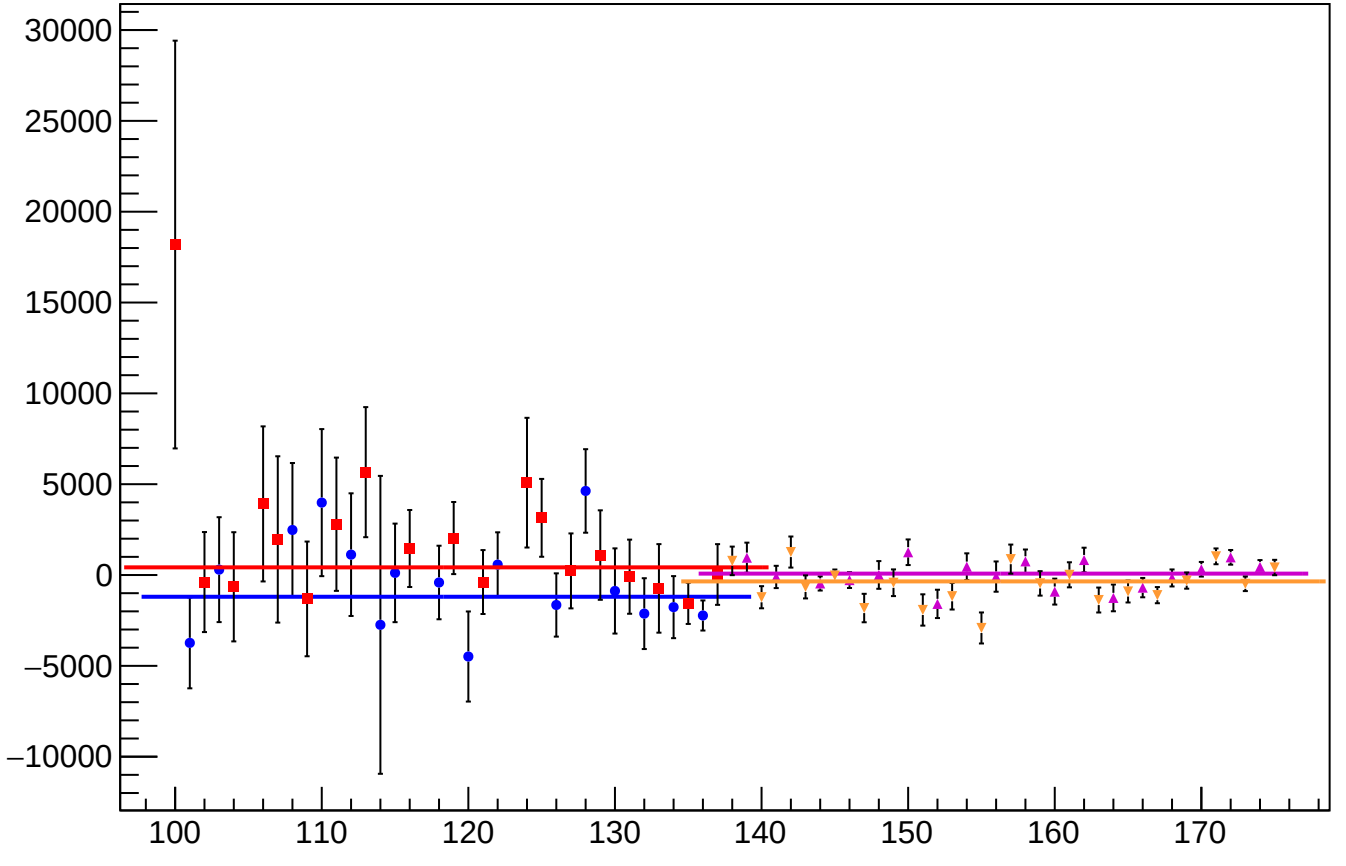
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 105.746+/-0.017 χ^2/NDF:2925760.0/33

Out: 105.735+/-0.016 χ^2/NDF:3617695.2/38

All: 105.741+/-0.012 χ^2/NDF: 6543455.4/72

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 77.197+/-128.587 χ^2/NDF:27.6/17

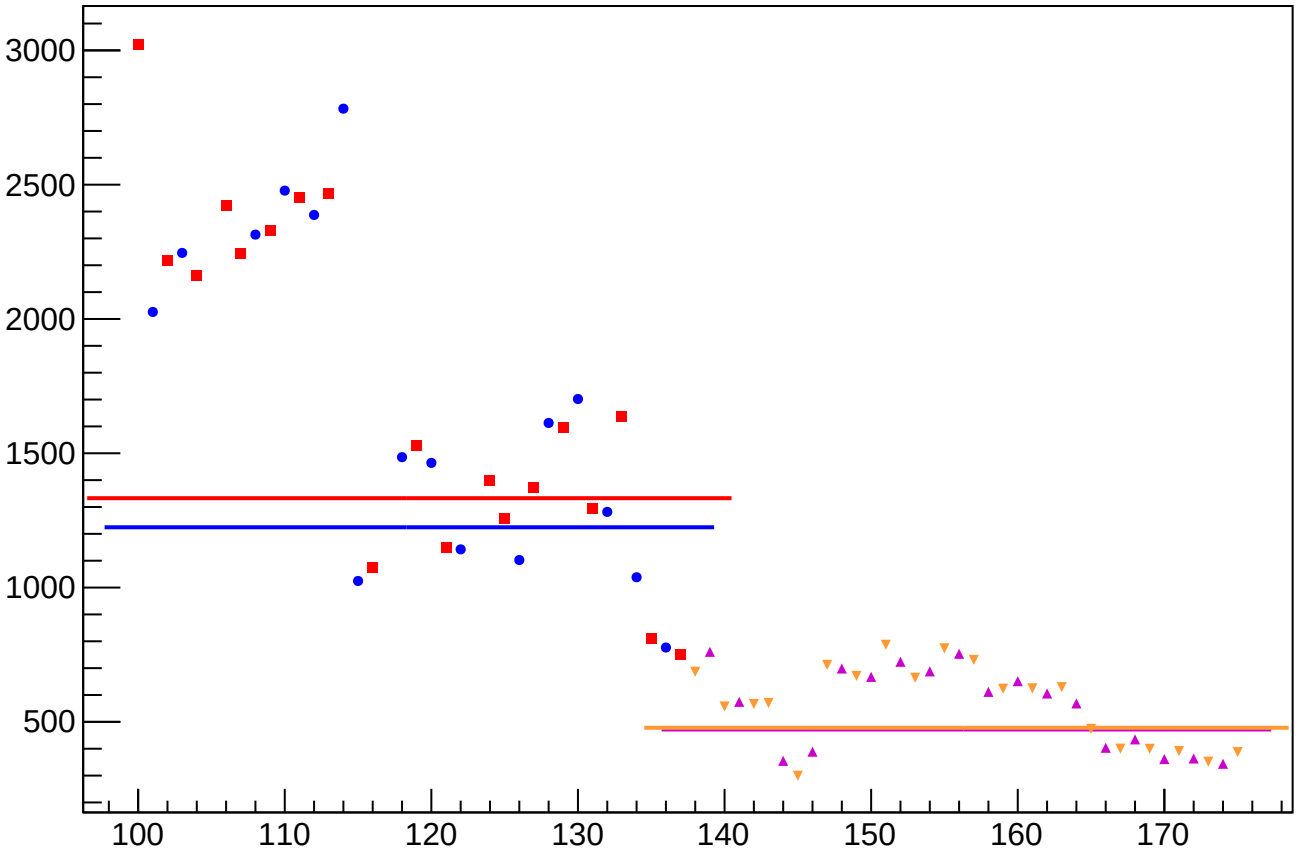
Left: -141.466+/-89.951 χ^2/NDF: 81.3/37

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -4.444+/-124.398 χ^2/NDF:49.9/33

Out: -308.798+/-122.392 χ^2/NDF:64.3/38

All: -159.095+/-87.245 χ^2/NDF: 117.2/72



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 478.018+/-0.089 χ^2/NDF:2726626.0/19

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 471.568+/-0.091 χ^2/NDF:2396327.9/17

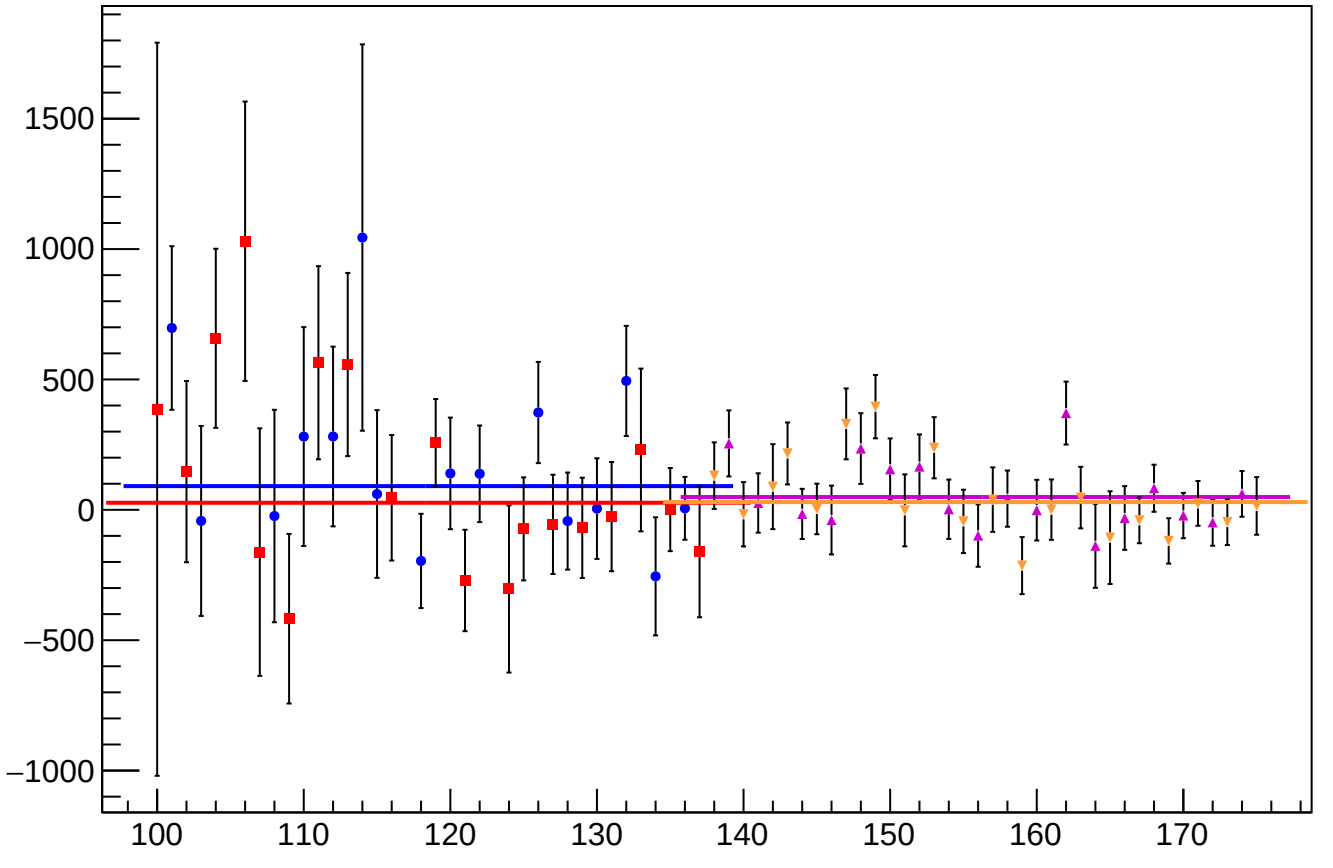
Left: 474.861+/-0.064 χ^2/NDF: 5125523.3/37

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 519.821+/-0.088 χ^2/NDF:8750089.6/33

Out: 524.680+/-0.087 χ^2/NDF:9755958.5/38

All: 522.290+/-0.062 χ^2/NDF: 18507598.7/72



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 29.594+/-25.069 χ^2/NDF:31.0/19

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.019+/-25.930 χ^2/NDF:19.9/17

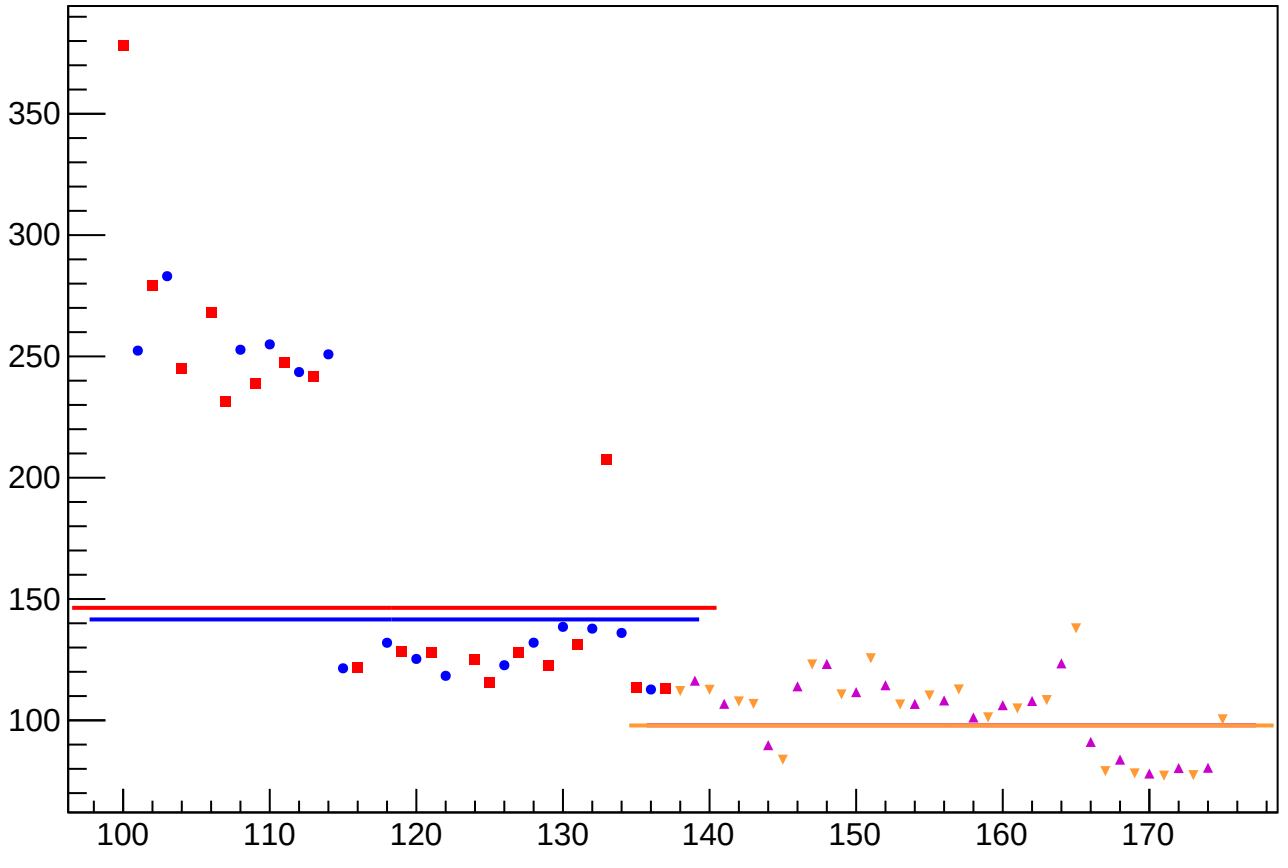
Left: 38.979+/-18.023 χ^2/NDF: 51.2/37

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 56.511+/-23.498 χ^2/NDF:38.5/33

Out: 29.201+/-22.949 χ^2/NDF:51.5/38

All: 42.533+/-16.418 χ^2/NDF: 90.7/72



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.880+/-0.018 χ^2/NDF:891840.1/19

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.941+/-0.018 χ^2/NDF:650079.9/17

Left: 97.910+/-0.013 χ^2/NDF: 1541925.9/37

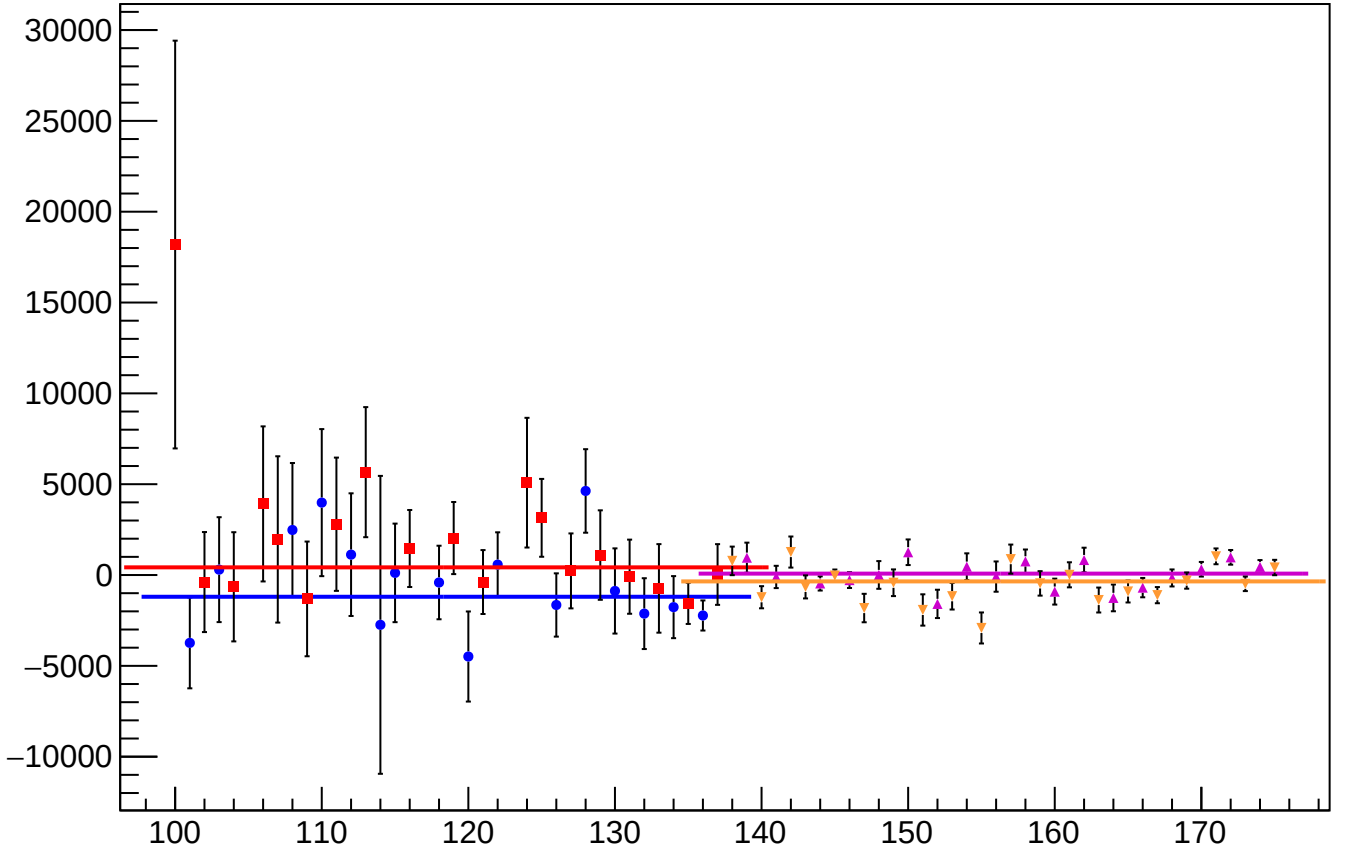
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 105.747+/-0.017 χ^2/NDF:2925687.6/33

Out: 105.735+/-0.016 χ^2/NDF:3617652.1/38

All: 105.741+/-0.012 χ^2/NDF: 6543339.9/72

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 77.195+/-128.587 χ^2/NDF:27.6/17

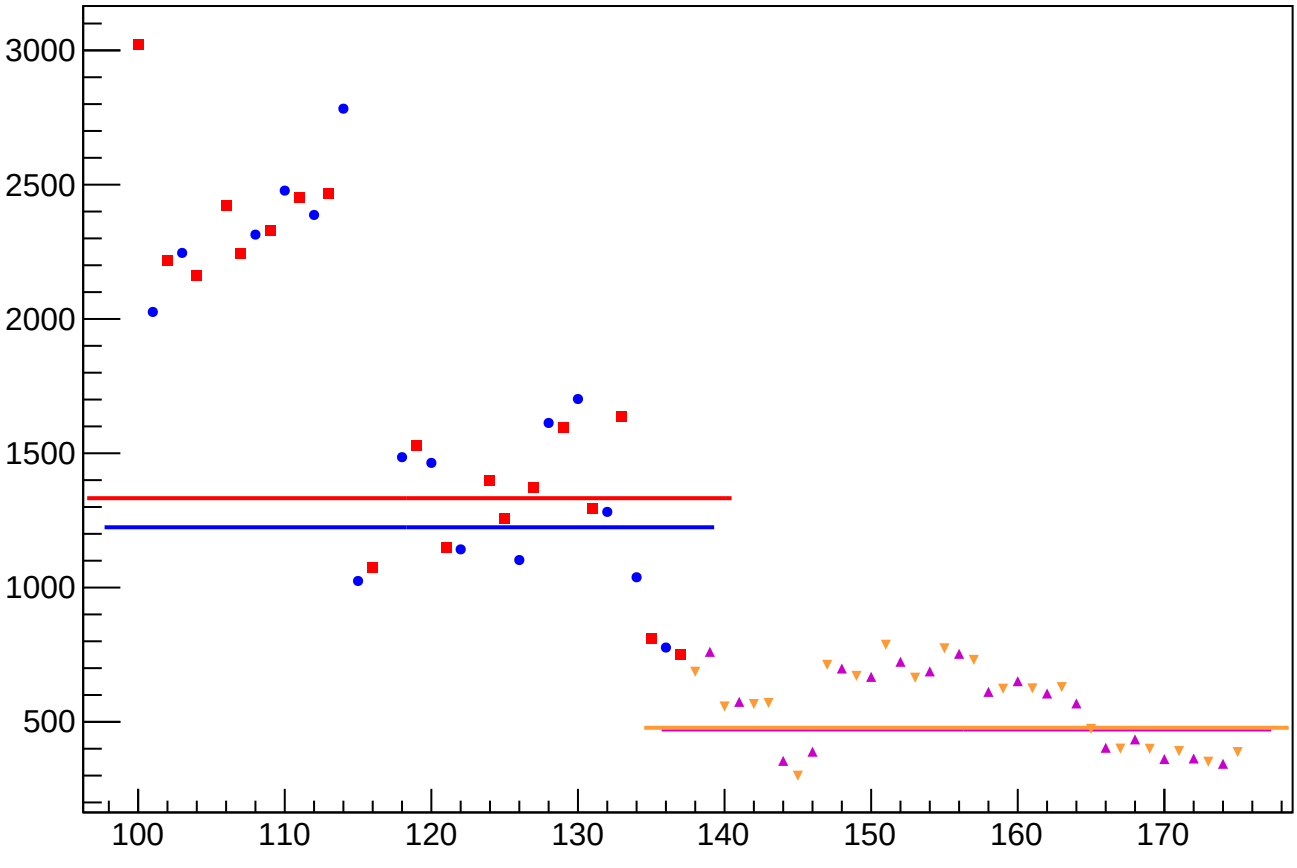
Left: -141.466+/-89.951 χ^2/NDF: 81.2/37

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -4.445+/-124.398 χ^2/NDF:49.9/33

Out: -308.798+/-122.392 χ^2/NDF:64.3/38

All: -159.095+/-87.245 χ^2/NDF: 117.2/72



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 478.017+/-0.089 χ^2/NDF:2726650.8/19

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 471.568+/-0.091 χ^2/NDF:2396328.4/17

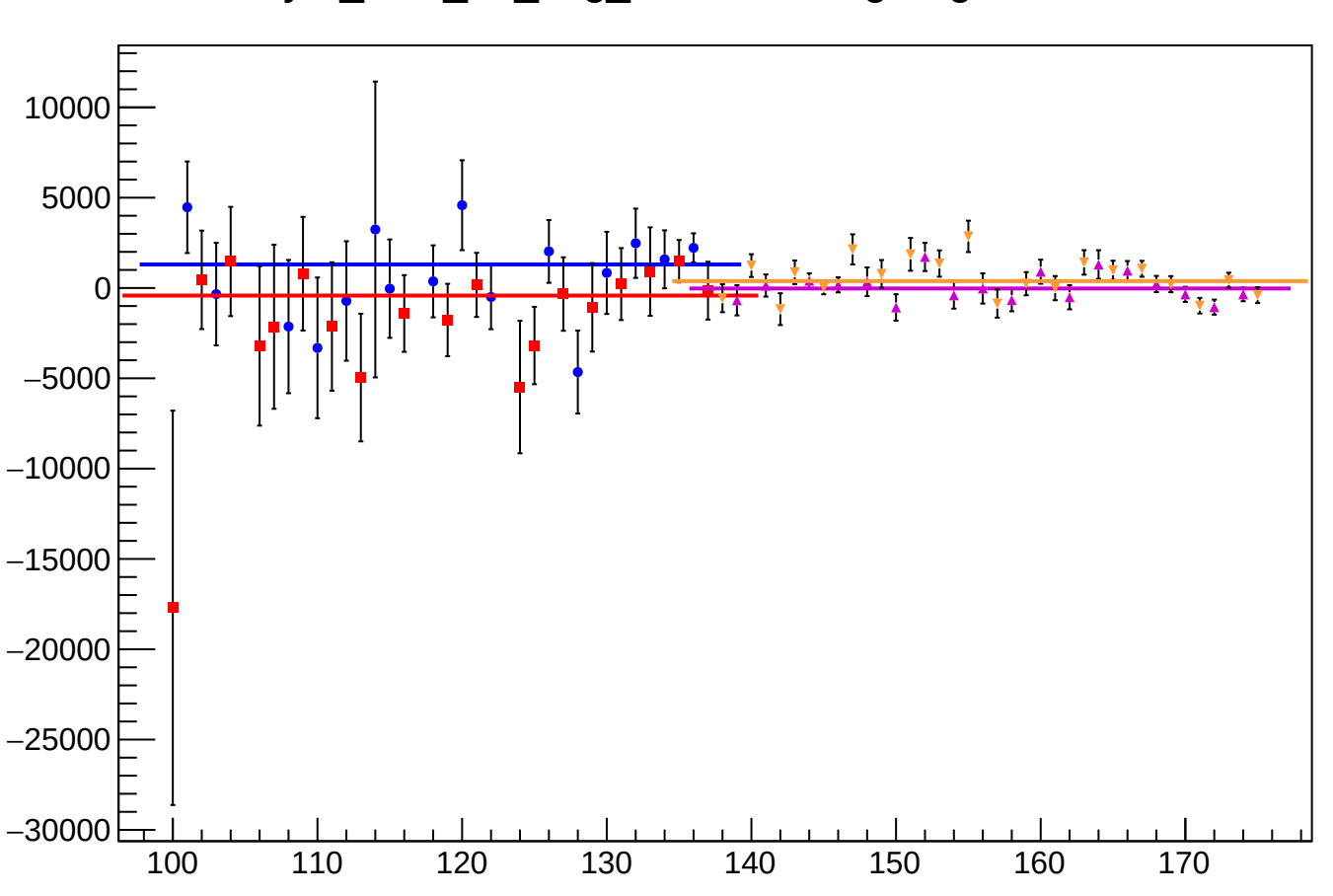
Left: 474.861+/-0.064 χ^2/NDF: 5125548.1/37

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 519.821+/-0.088 χ^2/NDF:8750073.5/33

Out: 524.679+/-0.087 χ^2/NDF:9755977.5/38

All: 522.290+/-0.062 χ^2/NDF: 18507601.1/72



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 380.736+/-127.657 χ^2/NDF:47.4/19

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -27.379+/-129.482 χ^2/NDF:27.0/17

Left: 179.574+/-90.906 χ^2/NDF: 79.5/37

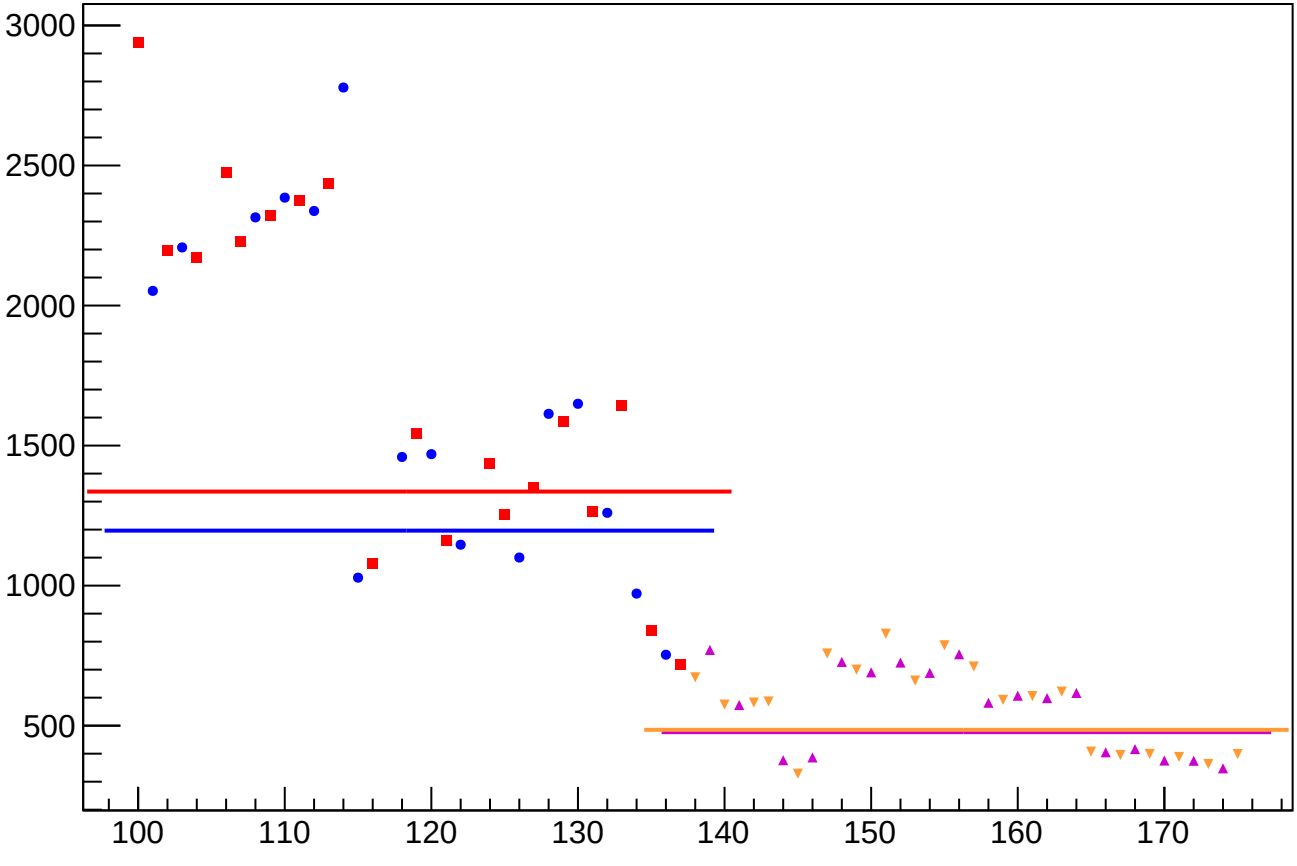
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 62.087+/-125.048 χ^2/NDF:50.6/33

Out: 336.053+/-124.037 χ^2/NDF:62.6/38

All: 200.182+/-88.062 χ^2/NDF: 115.7/72

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 485.184+/-0.090 χ^2/NDF:2525491.0/19

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 476.861+/-0.092 χ^2/NDF:2269678.8/17

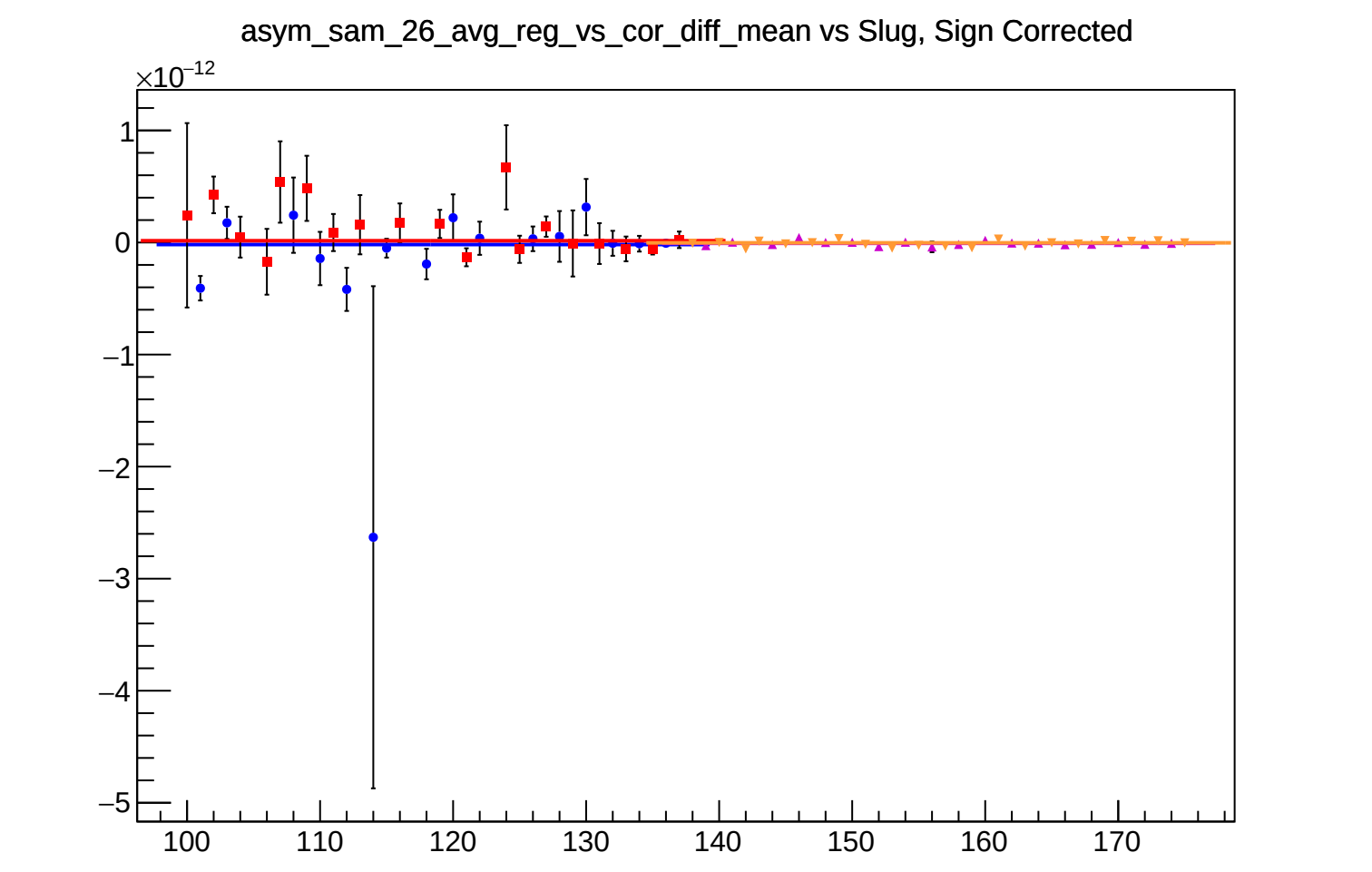
Left: 481.082+/-0.064 χ^2/NDF: 4799360.7/37

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 525.296+/-0.088 χ^2/NDF:8458539.4/33

Out: 532.753+/-0.088 χ^2/NDF:9442858.1/38

All: 529.055+/-0.062 χ^2/NDF: 17904982.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

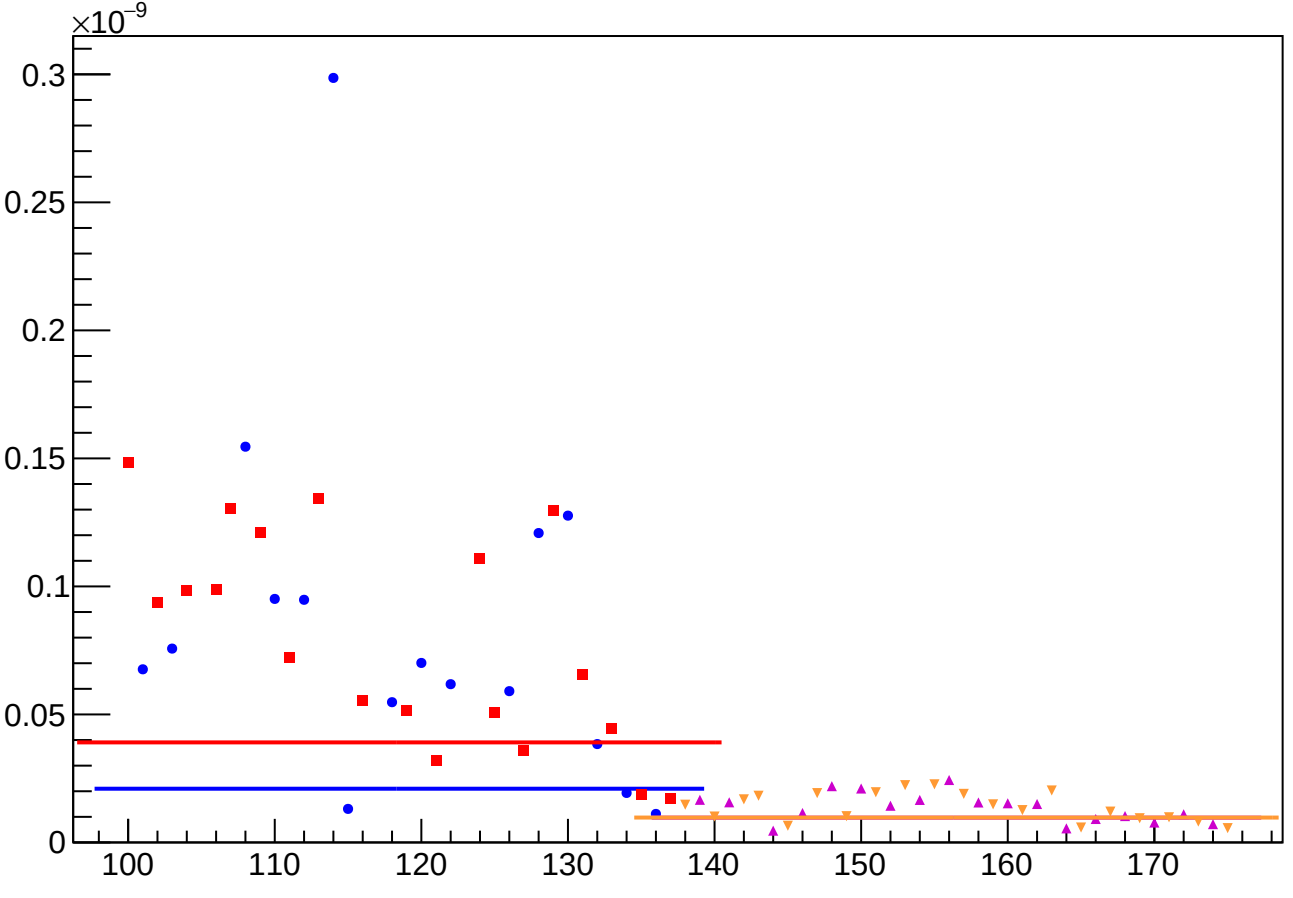
Left: -0.000+/-0.000 χ^2/NDF: 33.0/37

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:40.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.0/38

All: -0.000+/-0.000 χ^2/NDF: 86.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358404.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2168065.1/17

Left: 0.000+/-0.000 χ^2/NDF: 4526576.5/37

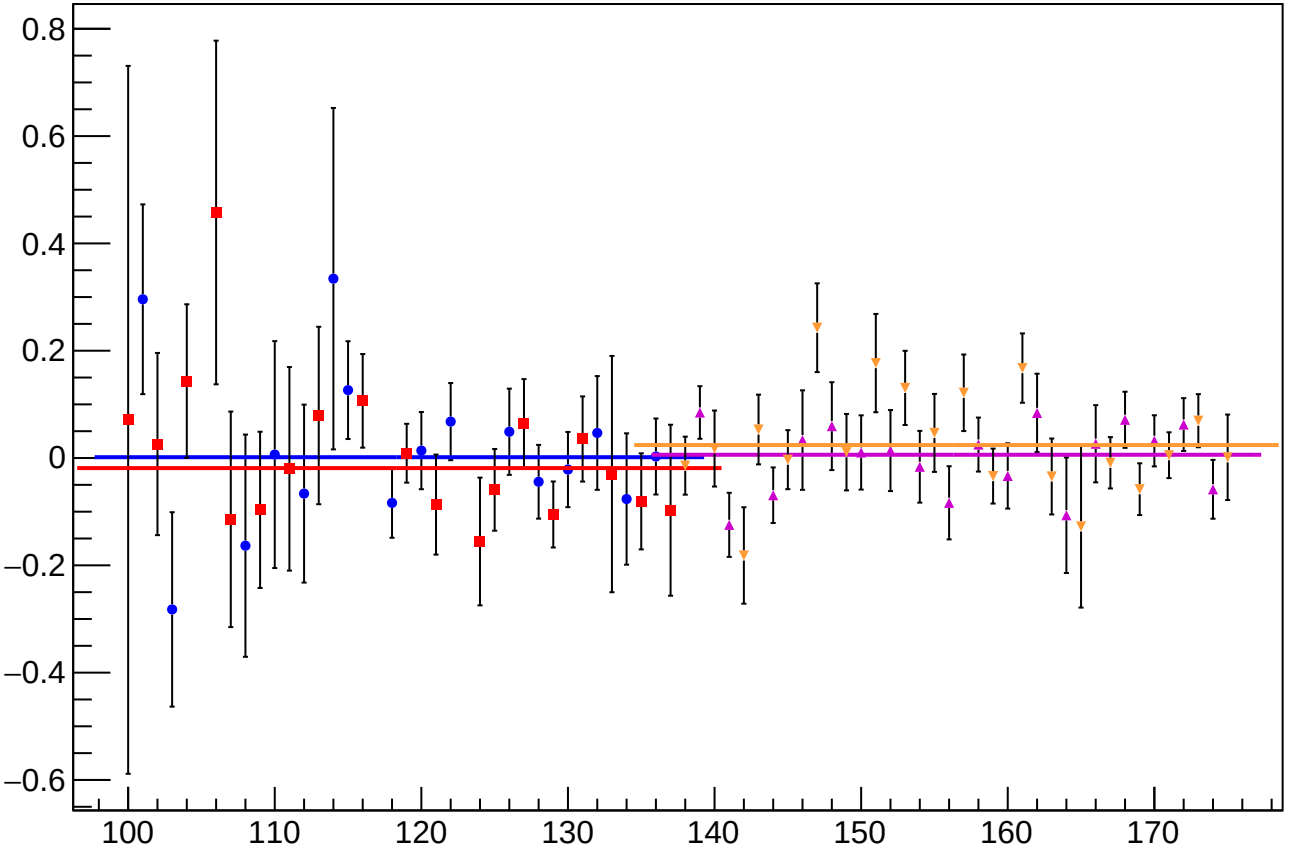
Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6305934.5/33

Out: 0.000+/-0.000 χ^2/NDF:6646301.7/38

All: 0.000+/-0.000 χ^2/NDF: 12952268.0/72

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

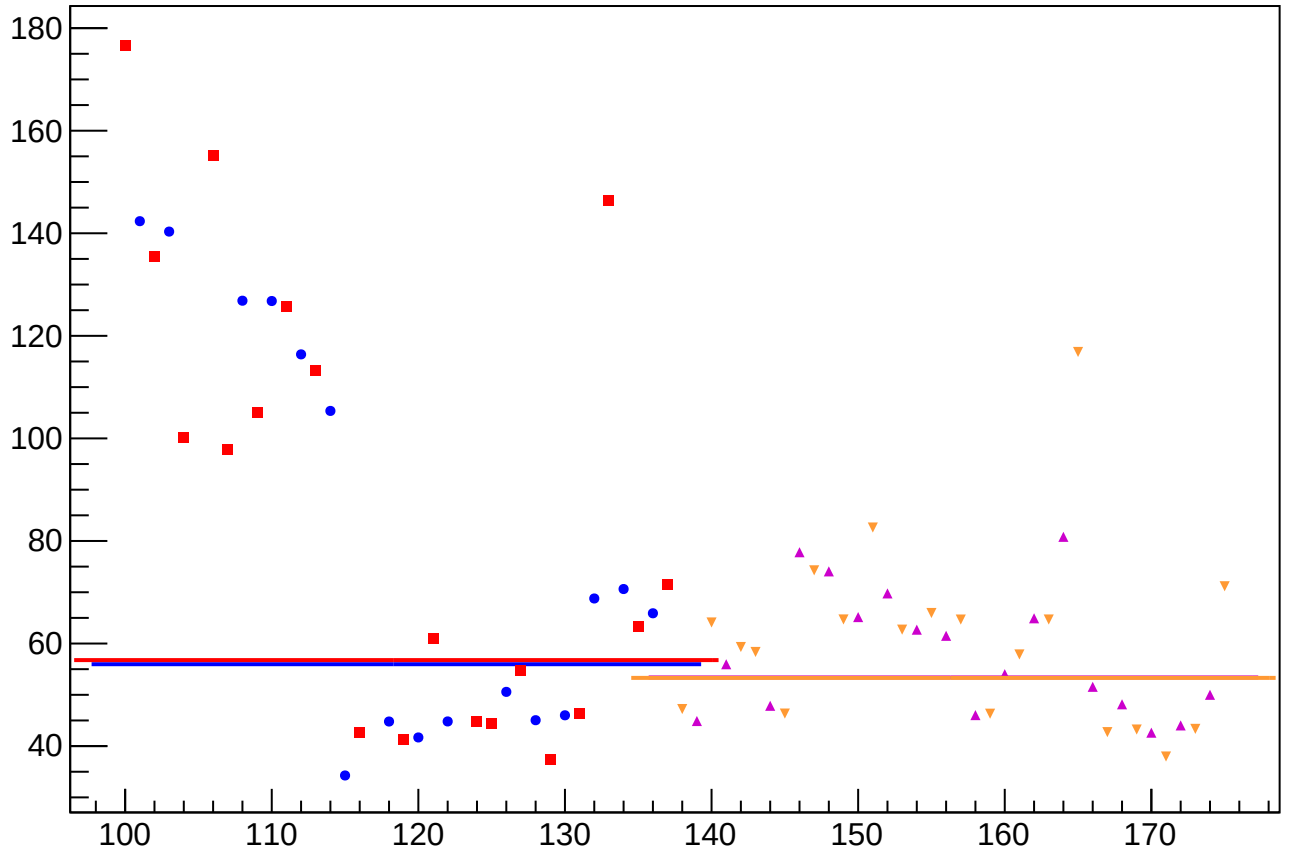
Left: 0.015+/-0.010 χ^2/NDF: 52.8/37

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.009+/-0.009 χ^2/NDF: 80.9/72



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

Left: 53.345+/-0.007 χ^2/NDF: 2732334.9/37

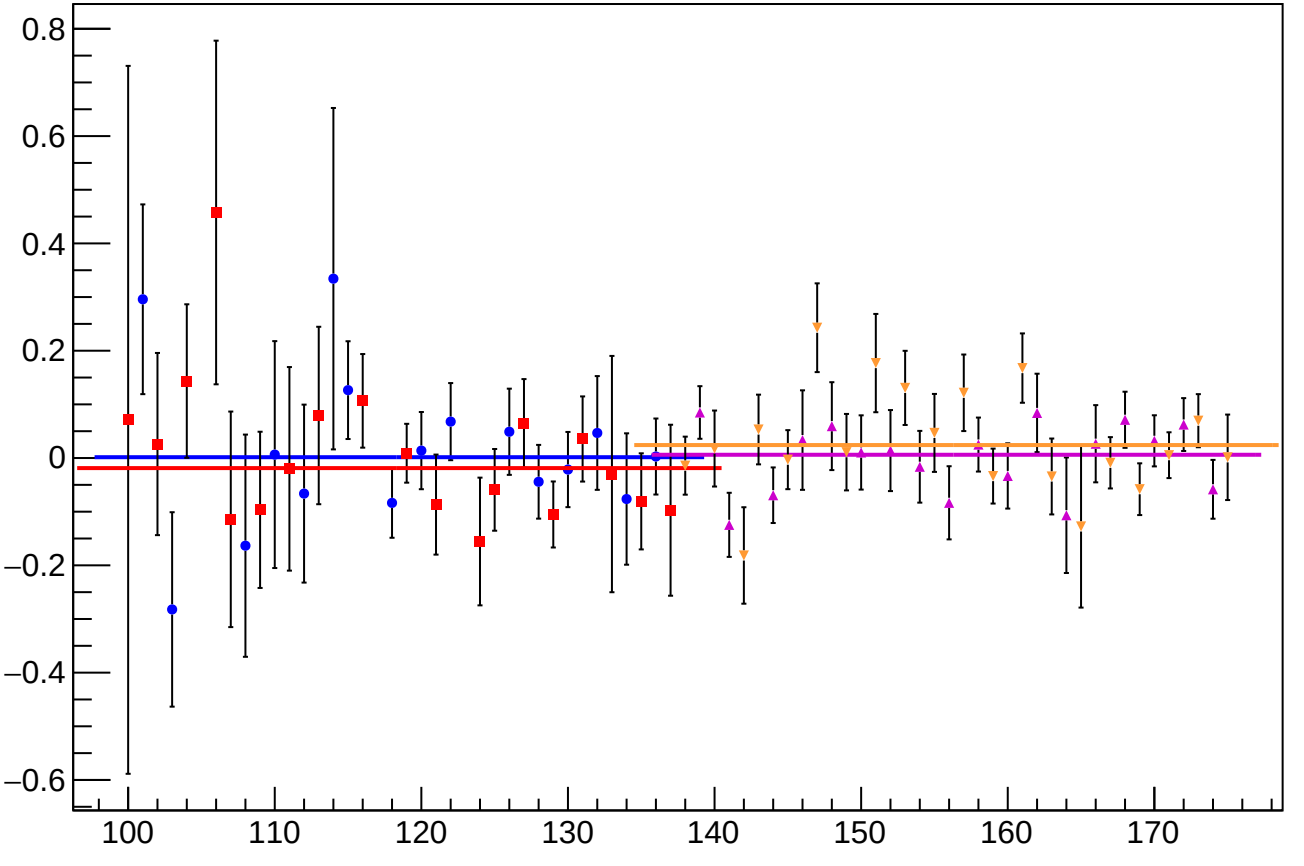
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.097+/-0.009 χ^2/NDF:3195031.7/33

Out: 54.205+/-0.008 χ^2/NDF:4320091.4/38

All: 54.152+/-0.006 χ^2/NDF: 7515202.6/72

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

Left: 0.015+/-0.010 χ^2/NDF: 52.8/37

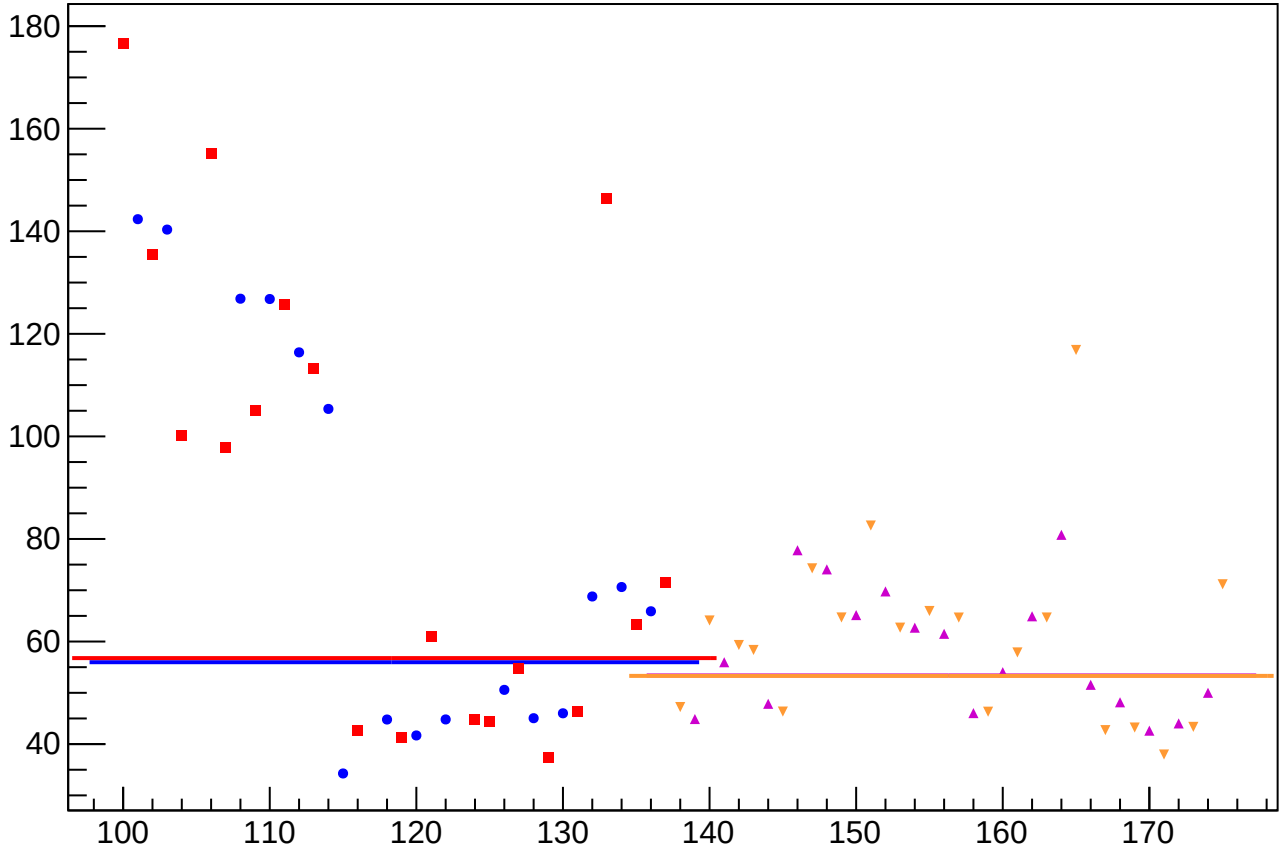
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.009+/-0.009 χ^2/NDF: 80.9/72

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

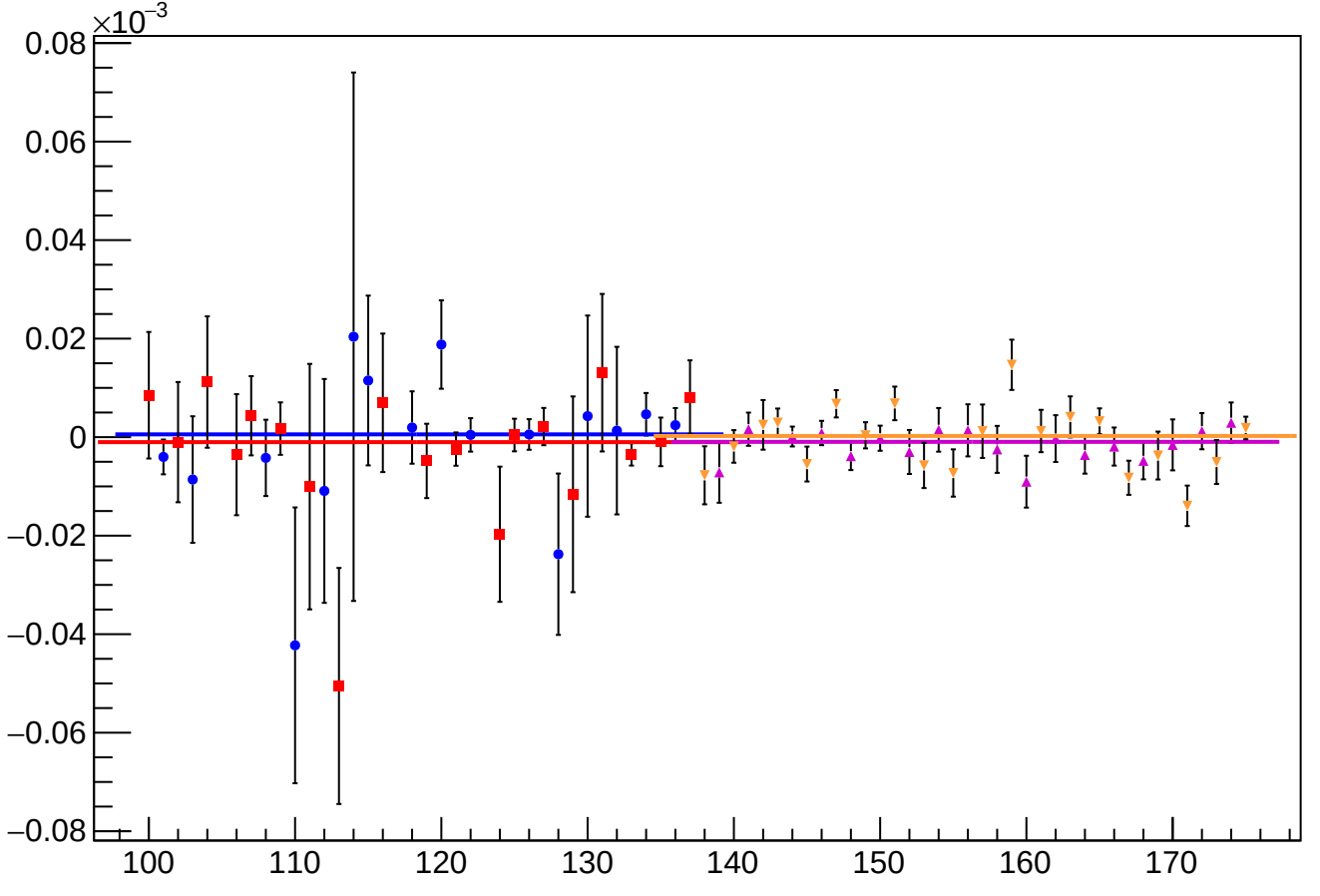
Left: 53.345+/-0.007 χ^2/NDF: 2732334.9/37

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.097+/-0.009 χ^2/NDF:3195031.7/33

Out: 54.205+/-0.008 χ^2/NDF:4320091.4/38

All: 54.152+/-0.006 χ^2/NDF: 7515202.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/17

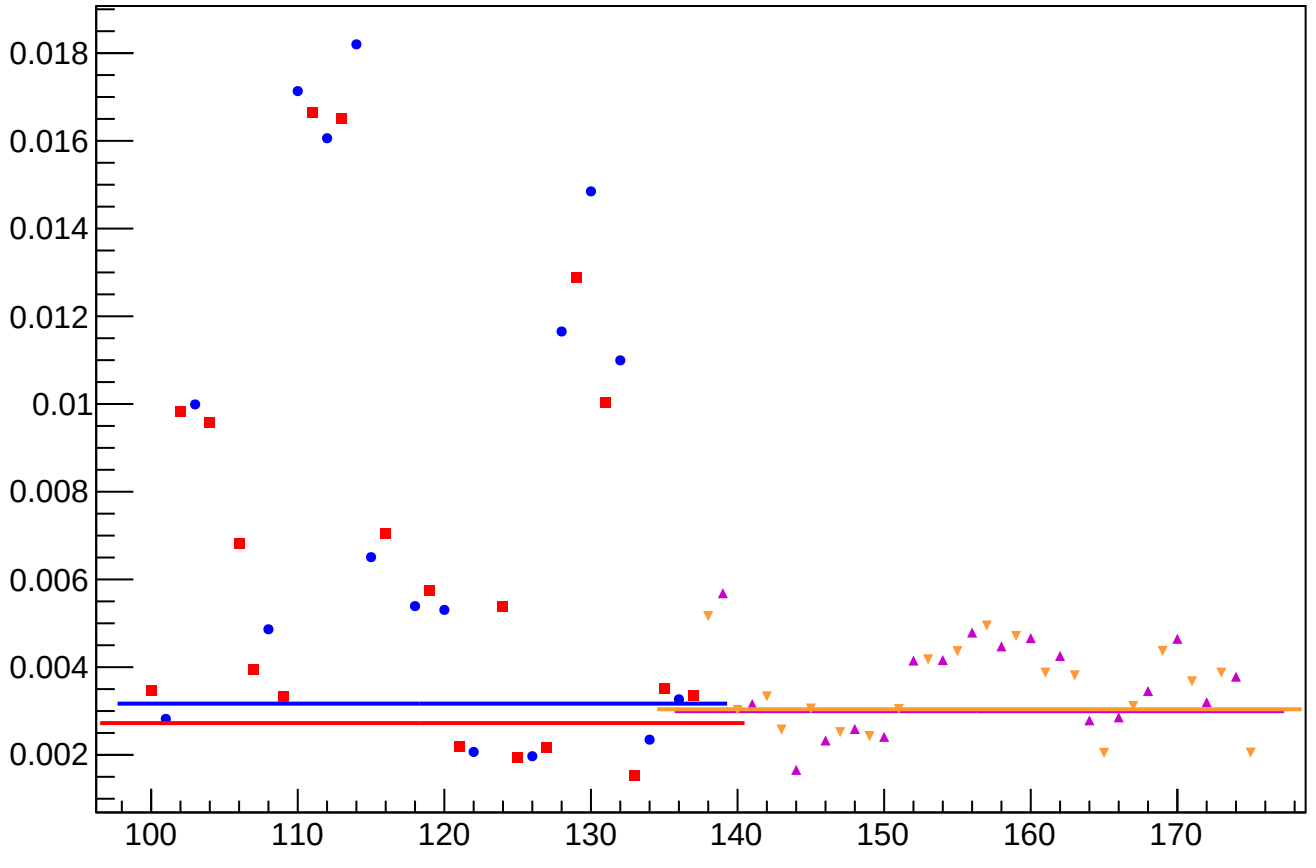
Left: -0.000+/-0.000 χ^2/NDF: 60.8/37

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:23.7/33

Out: -0.000+/-0.000 χ^2/NDF:64.7/38

All: -0.000+/-0.000 χ^2/NDF: 88.6/72



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2305769.9/19

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2913137.5/17

Left: 0.003+/-0.000 χ^2/NDF: 5221837.0/37

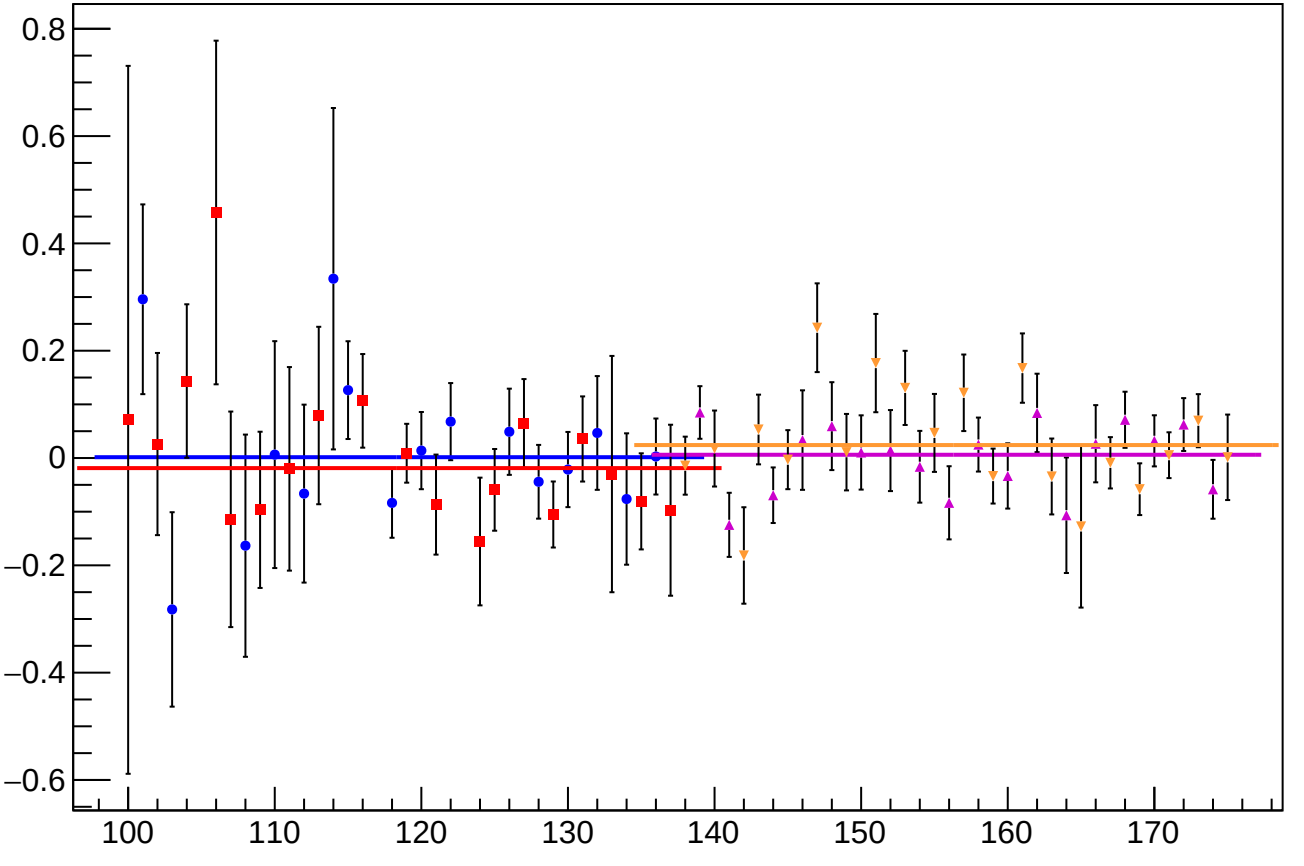
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7479913.0/33

Out: 0.003+/-0.000 χ^2/NDF:7547371.1/38

All: 0.003+/-0.000 χ^2/NDF: 15043033.9/72

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

Left: 0.015+/-0.010 χ^2/NDF: 52.8/37

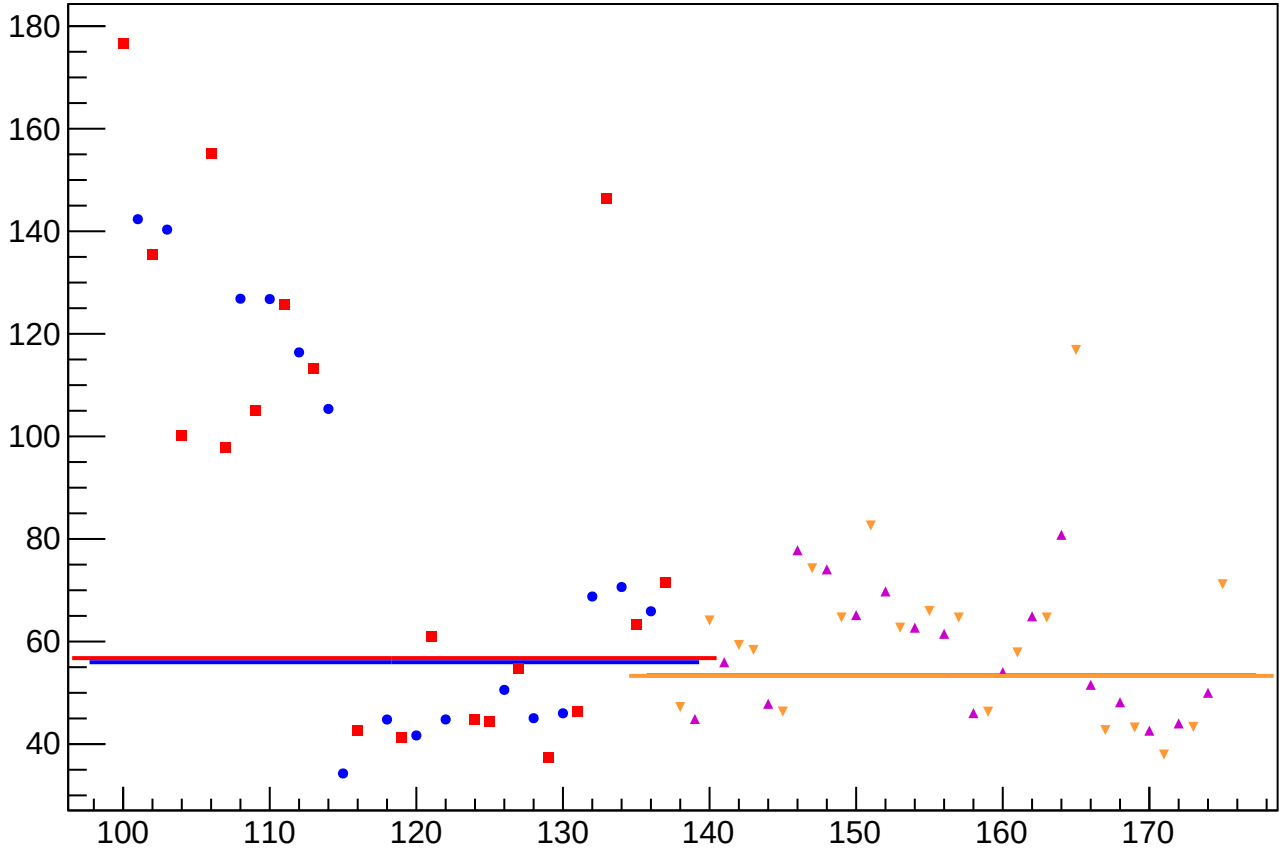
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.009+/-0.009 χ^2/NDF: 80.9/72

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.302+/-0.010 χ^2/NDF:1734667.6/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

Left: 53.346+/-0.007 χ^2/NDF: 2732299.0/37

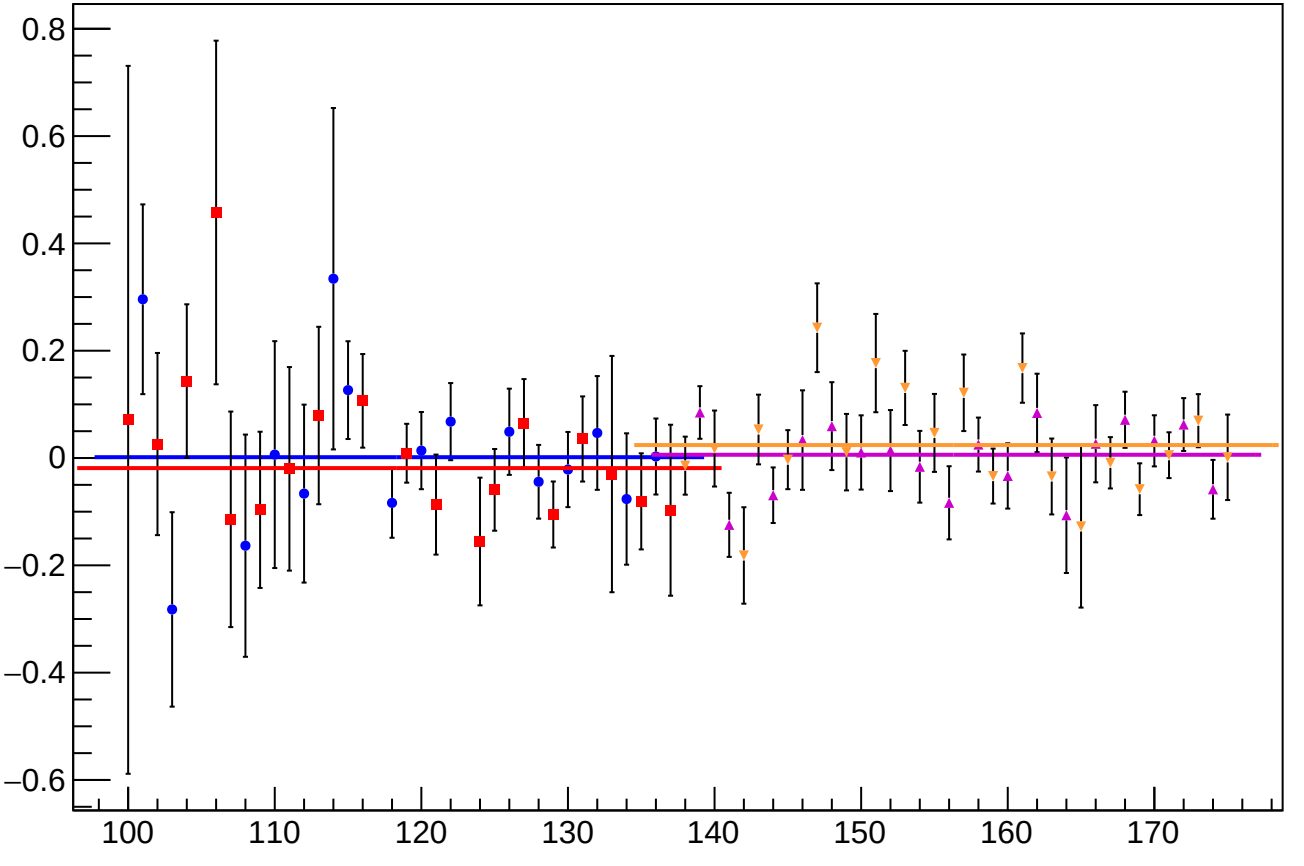
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.097+/-0.009 χ^2/NDF:3194924.5/33

Out: 54.205+/-0.008 χ^2/NDF:4320004.4/38

All: 54.152+/-0.006 χ^2/NDF: 7515008.1/72

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

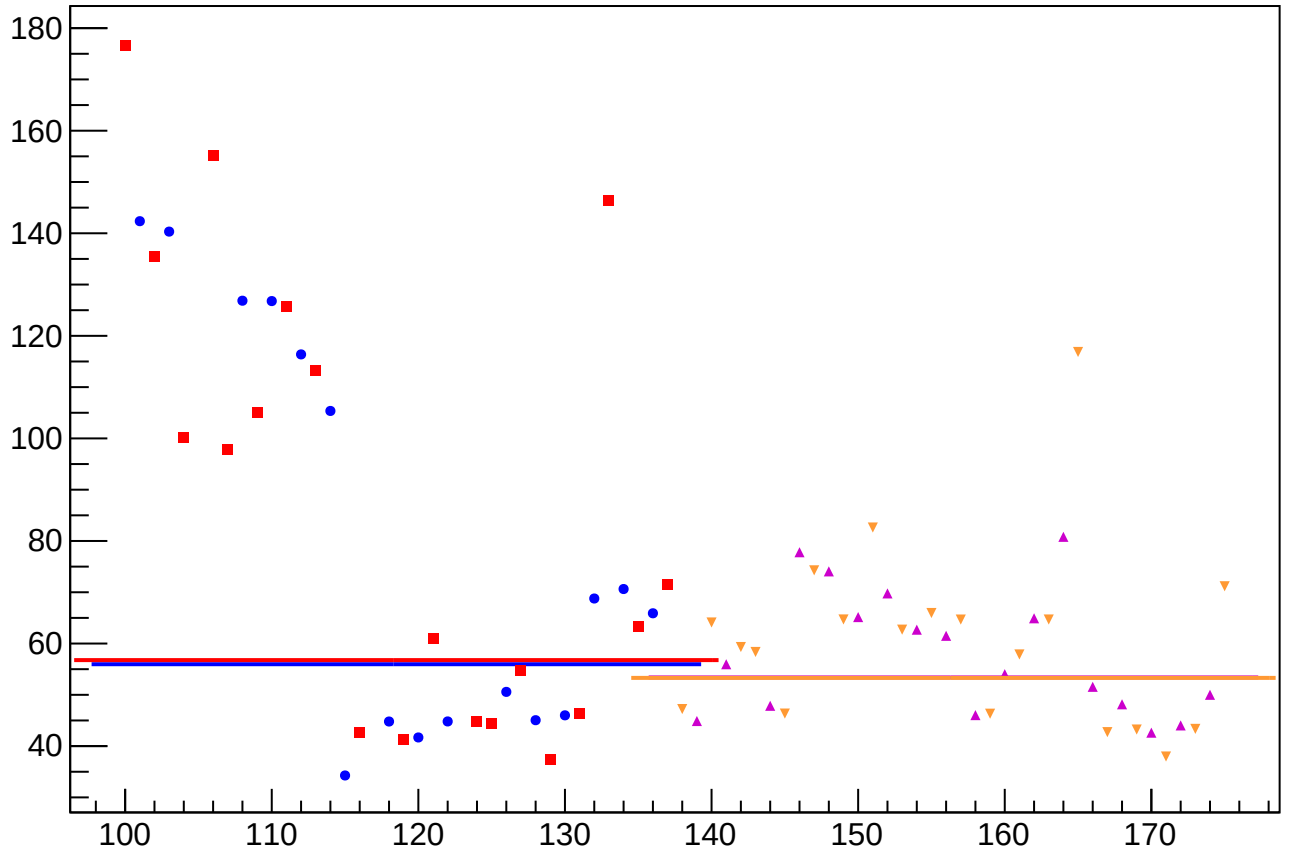
Left: 0.015+/-0.010 χ^2/NDF: 52.8/37

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.009+/-0.009 χ^2/NDF: 80.9/72



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.302+/-0.010 χ^2/NDF:1734667.6/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

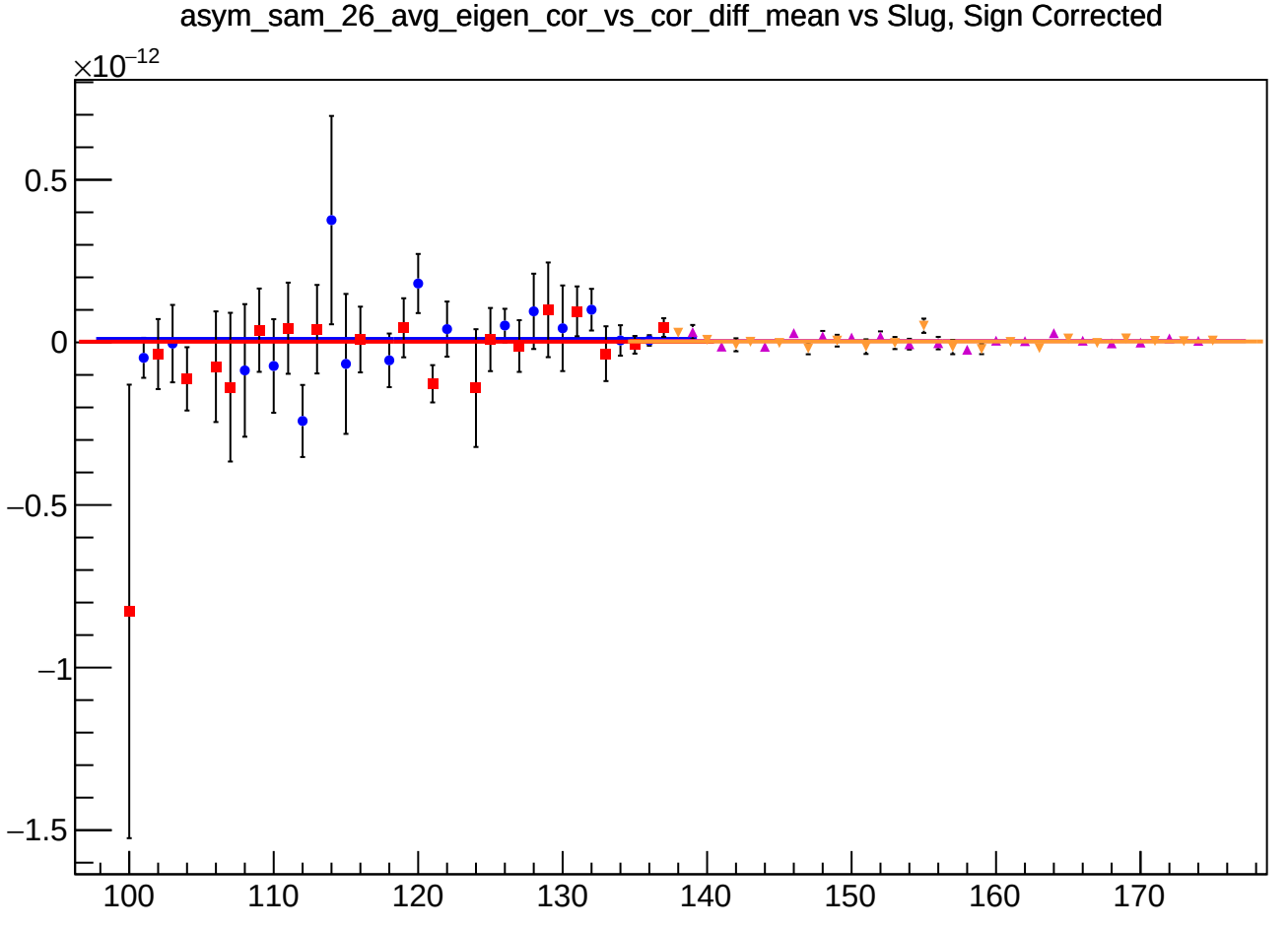
Left: 53.346+/-0.007 χ^2/NDF: 2732299.0/37

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.097+/-0.009 χ^2/NDF:3194924.5/33

Out: 54.205+/-0.008 χ^2/NDF:4320004.4/38

All: 54.152+/-0.006 χ^2/NDF: 7515008.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/19

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

Left In: 0.000+/-0.000 χ^2/NDF:29.4/17

Left: 0.000+/-0.000 χ^2/NDF: 49.3/37

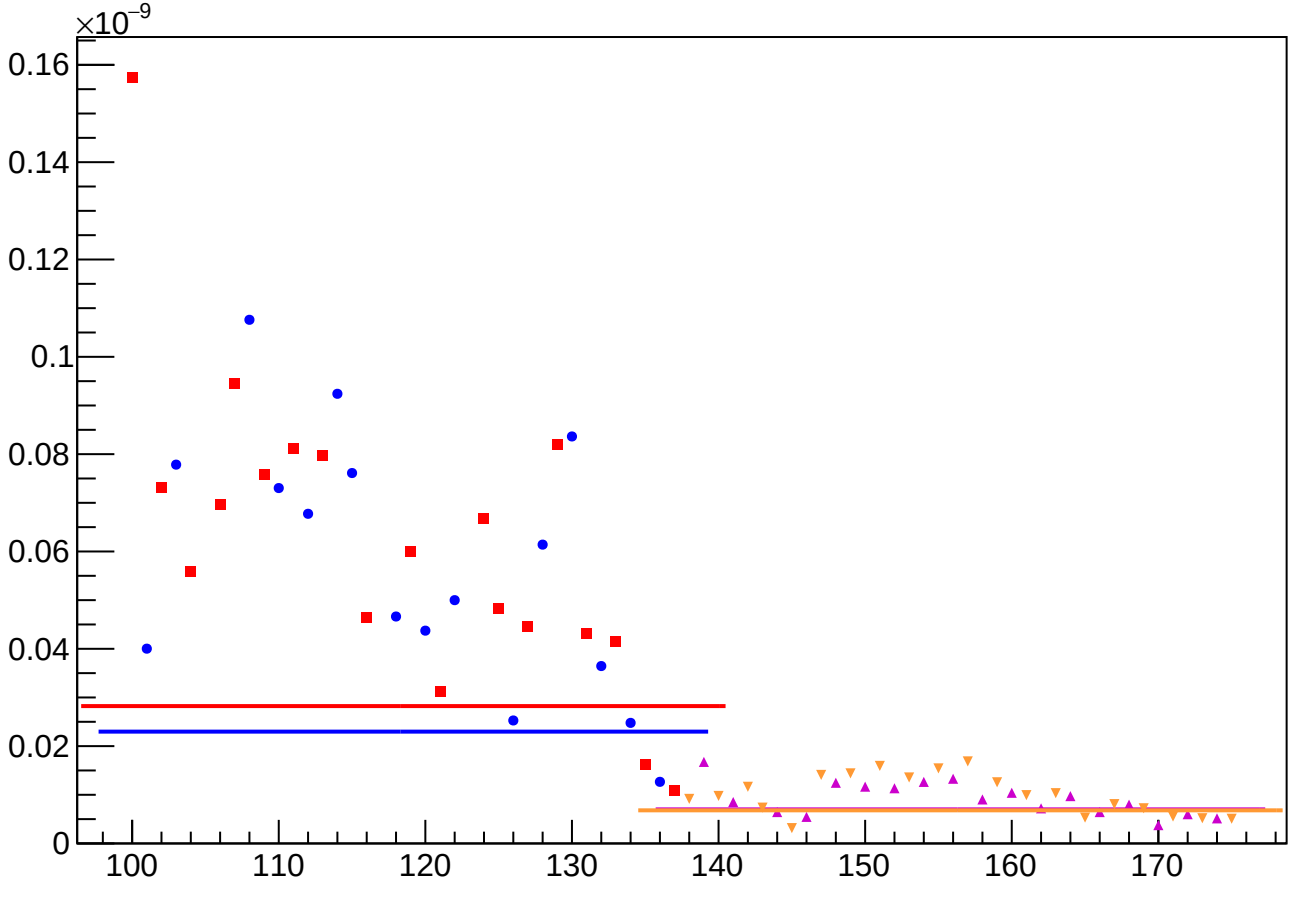
Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.3/33

Out: 0.000+/-0.000 χ^2/NDF:34.0/38

All: 0.000+/-0.000 χ^2/NDF: 79.6/72

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4226156.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2572749.2/17

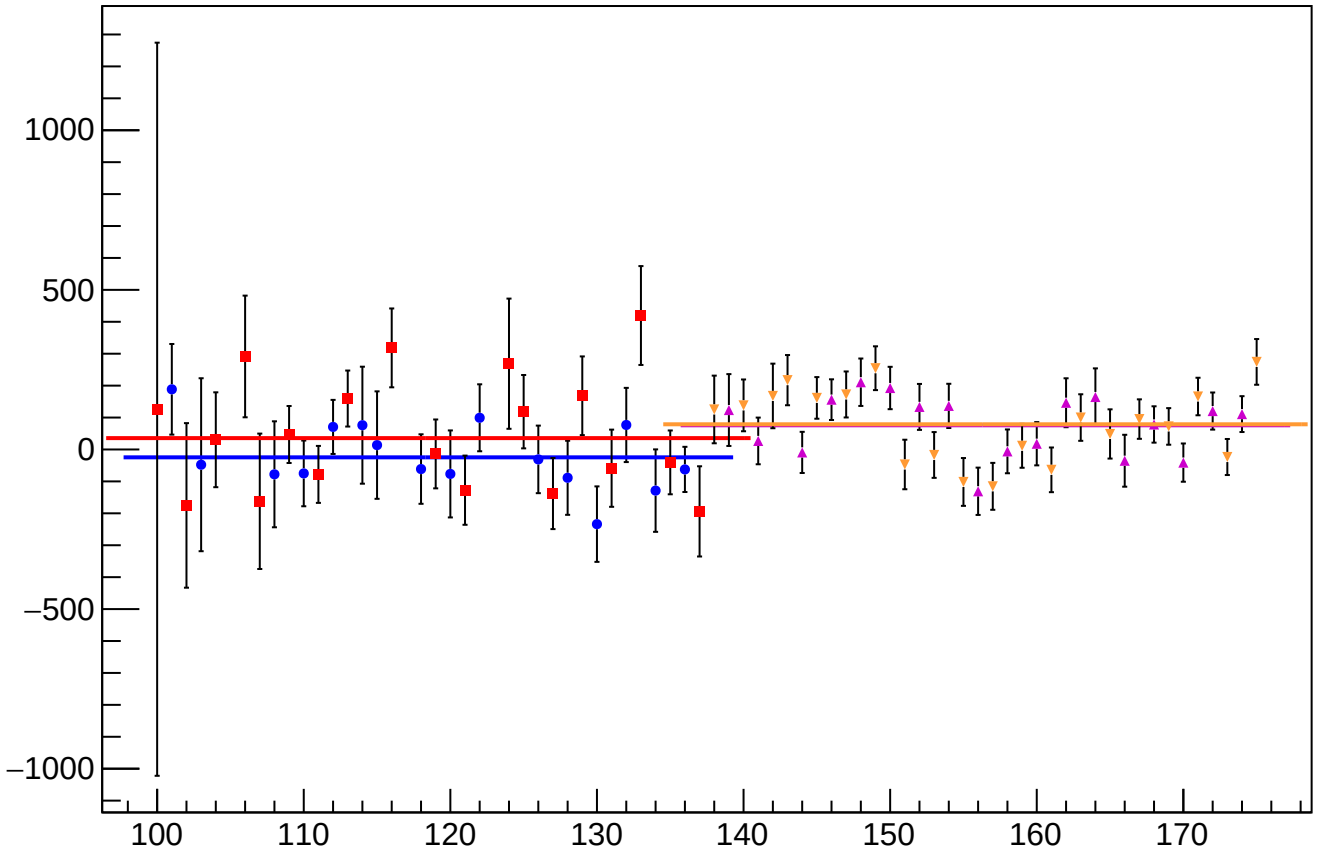
Left: 0.000+/-0.000 χ^2/NDF: 6806137.4/37

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9238291.8/33

Out: 0.000+/-0.000 χ^2/NDF:11781332.3/38

All: 0.000+/-0.000 χ^2/NDF: 21032948.6/72



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.893+/-15.810 χ^2/NDF:50.0/19

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 75.735+/-16.177 χ^2/NDF:30.2/17

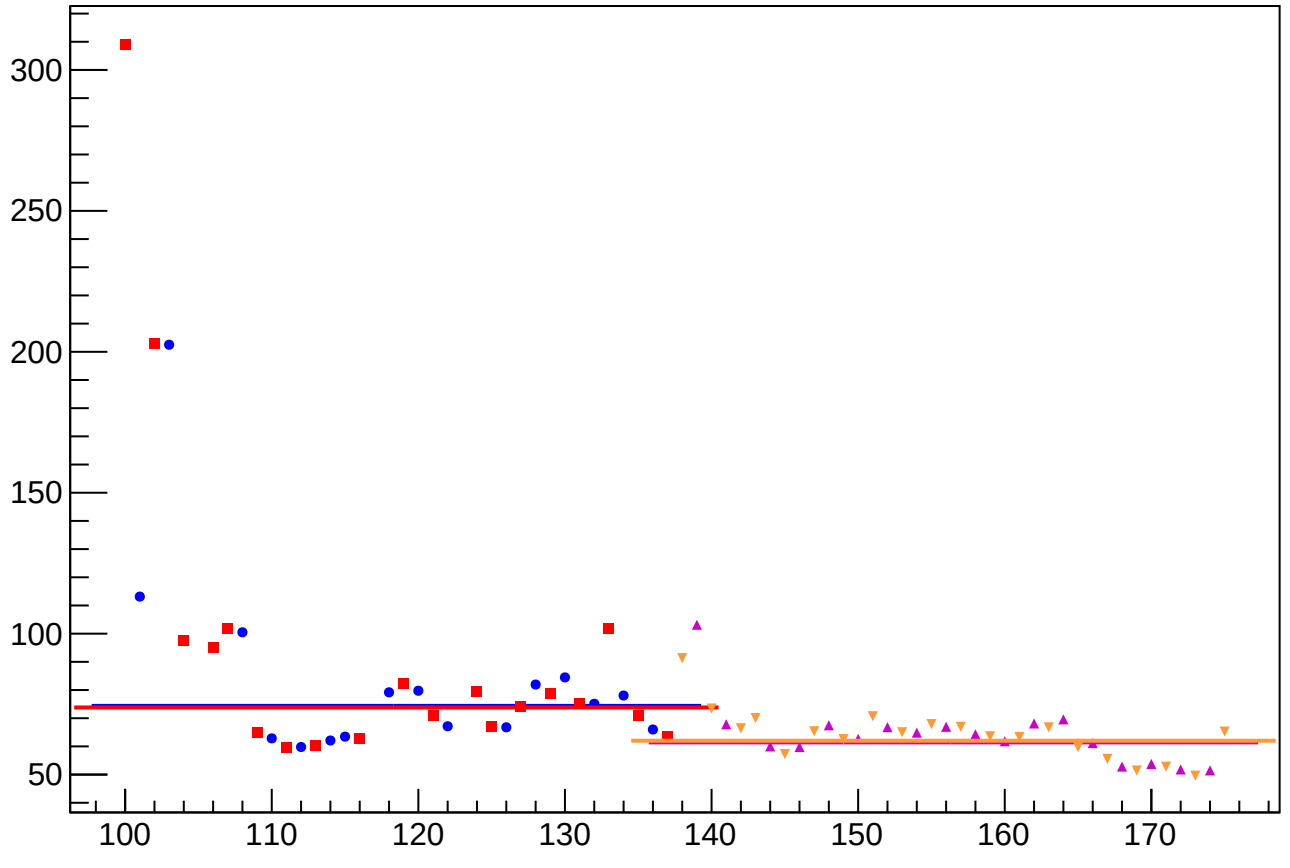
Left: 77.350+/-11.307 χ^2/NDF: 80.2/37

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 51.806+/-14.117 χ^2/NDF:50.4/33

Out: 68.676+/-13.820 χ^2/NDF:81.9/38

All: 60.421+/-9.876 χ^2/NDF: 133.0/72



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

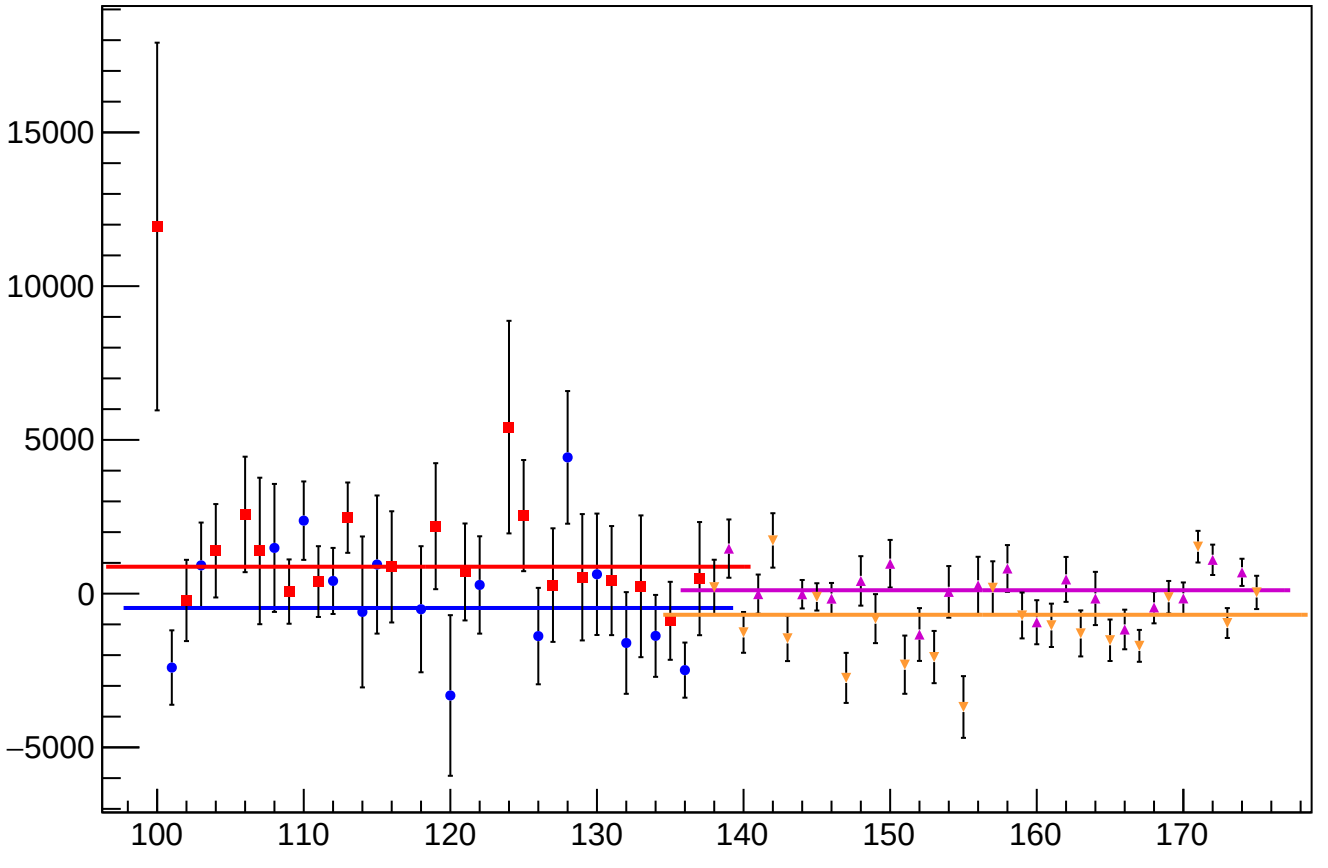
Left: 61.725+/-0.008 χ^2/NDF: 1100009.2/37

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.505+/-0.010 χ^2/NDF:1698281.0/33

Out: 64.802+/-0.010 χ^2/NDF:1728124.6/38

All: 64.657+/-0.007 χ^2/NDF: 3426859.1/72



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -687.540+/-147.230 χ^2/NDF:61.9/19

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 110.366+/-148.636 χ^2/NDF:21.1/17

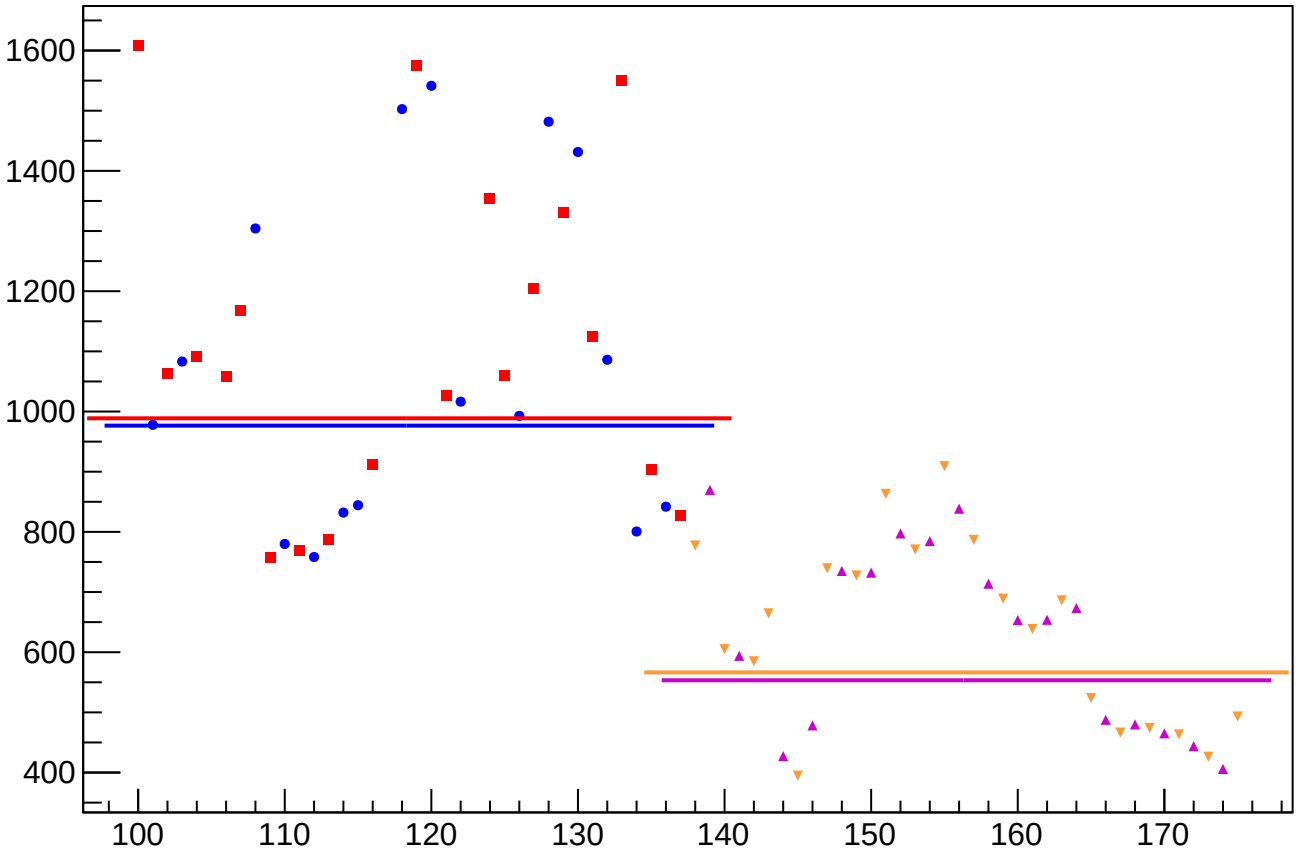
Left: -292.377+/-104.601 χ^2/NDF: 97.5/37

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 32.051+/-138.179 χ^2/NDF:46.8/33

Out: -476.115+/-136.910 χ^2/NDF:90.2/38

All: -224.376+/-97.256 χ^2/NDF: 143.8/72



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 566.451+/-0.104 χ^2/NDF:1853095.3/19

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 553.336+/-0.105 χ^2/NDF:1778253.3/17

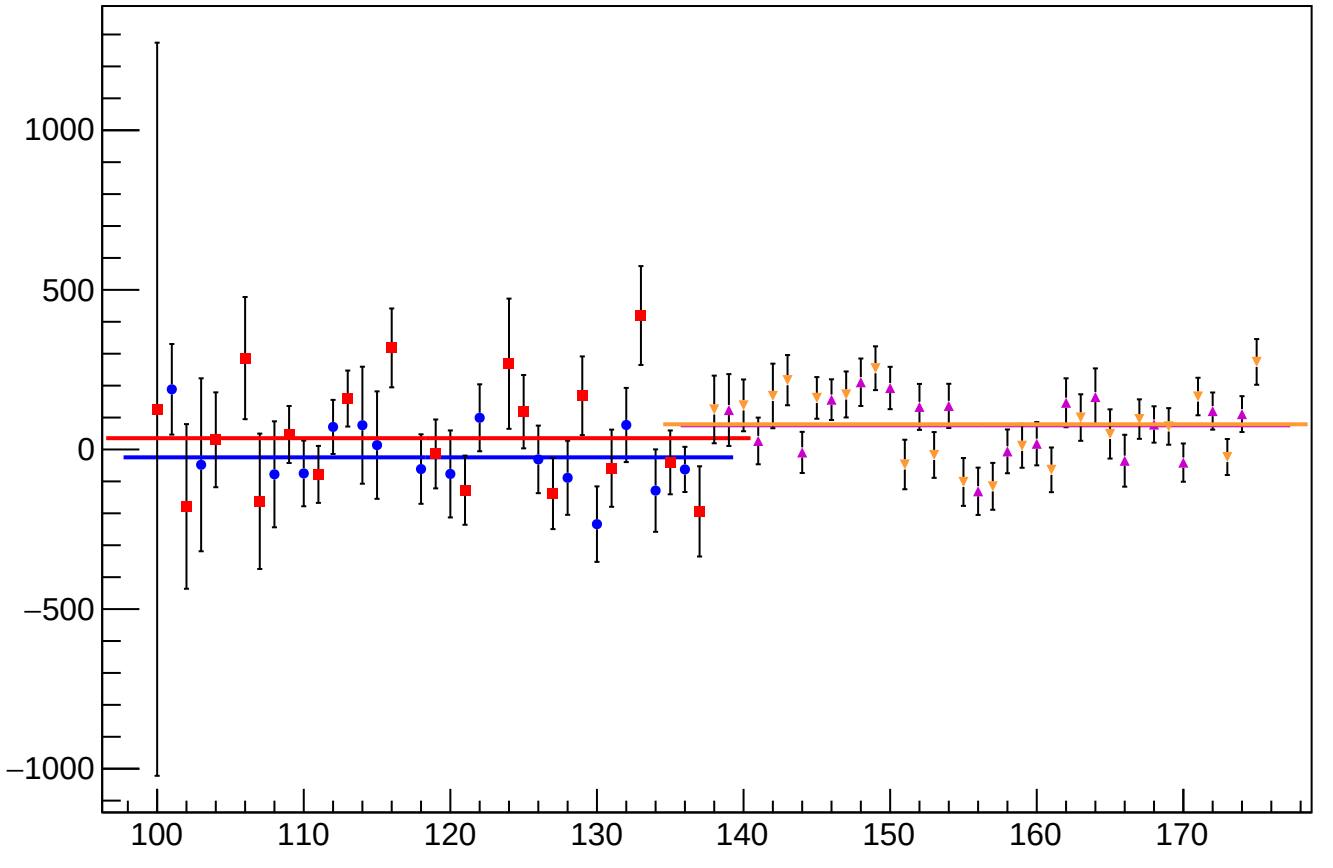
Left: 559.956+/-0.074 χ^2/NDF: 3639207.7/37

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 610.793+/-0.098 χ^2/NDF:4716375.8/33

Out: 623.580+/-0.097 χ^2/NDF:4794828.5/38

All: 617.246+/-0.069 χ^2/NDF: 9519847.1/72



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 75.733+/-16.177 χ^2/NDF:30.2/17

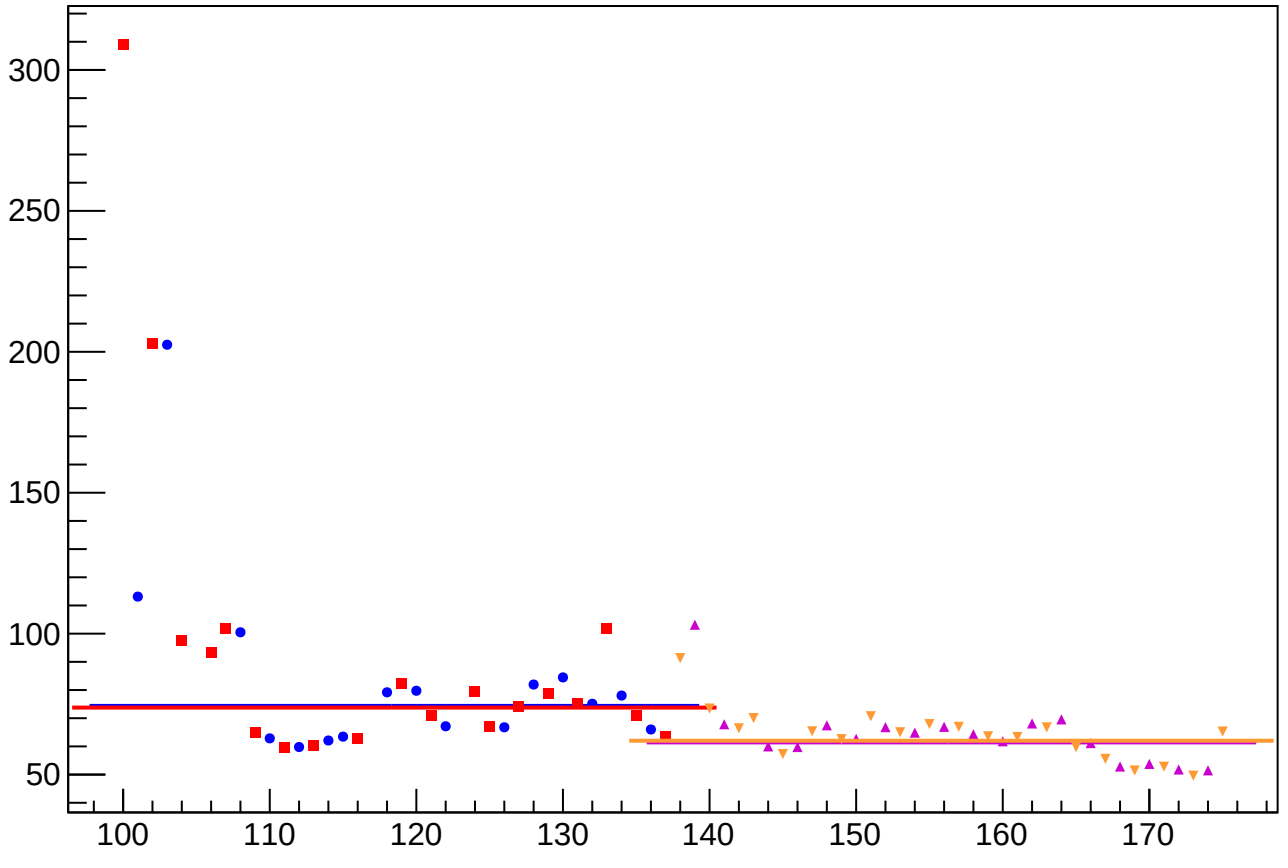
Left: 77.350+/-11.307 χ^2/NDF: 80.2/37

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 51.802+/-14.117 χ^2/NDF:50.4/33

Out: 68.633+/-13.820 χ^2/NDF:81.9/38

All: 60.396+/-9.876 χ^2/NDF: 132.9/72



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

Left: 61.725+/-0.008 χ^2/NDF: 1100009.2/37

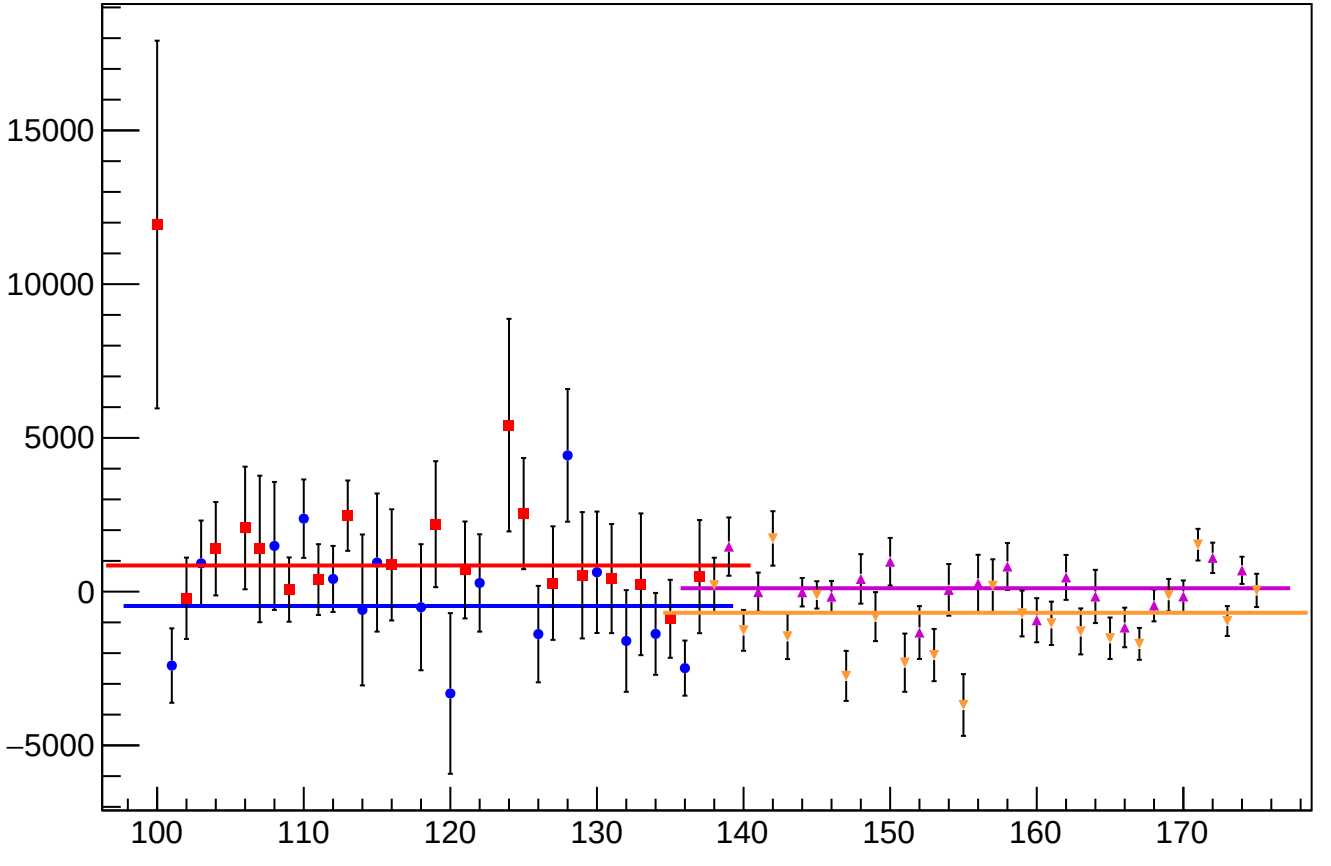
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.505+/-0.010 χ^2/NDF:1698282.8/33

Out: 64.792+/-0.010 χ^2/NDF:1722438.5/38

All: 64.651+/-0.007 χ^2/NDF: 3421143.9/72

asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 110.364+/-148.636 χ^2/NDF:21.1/17

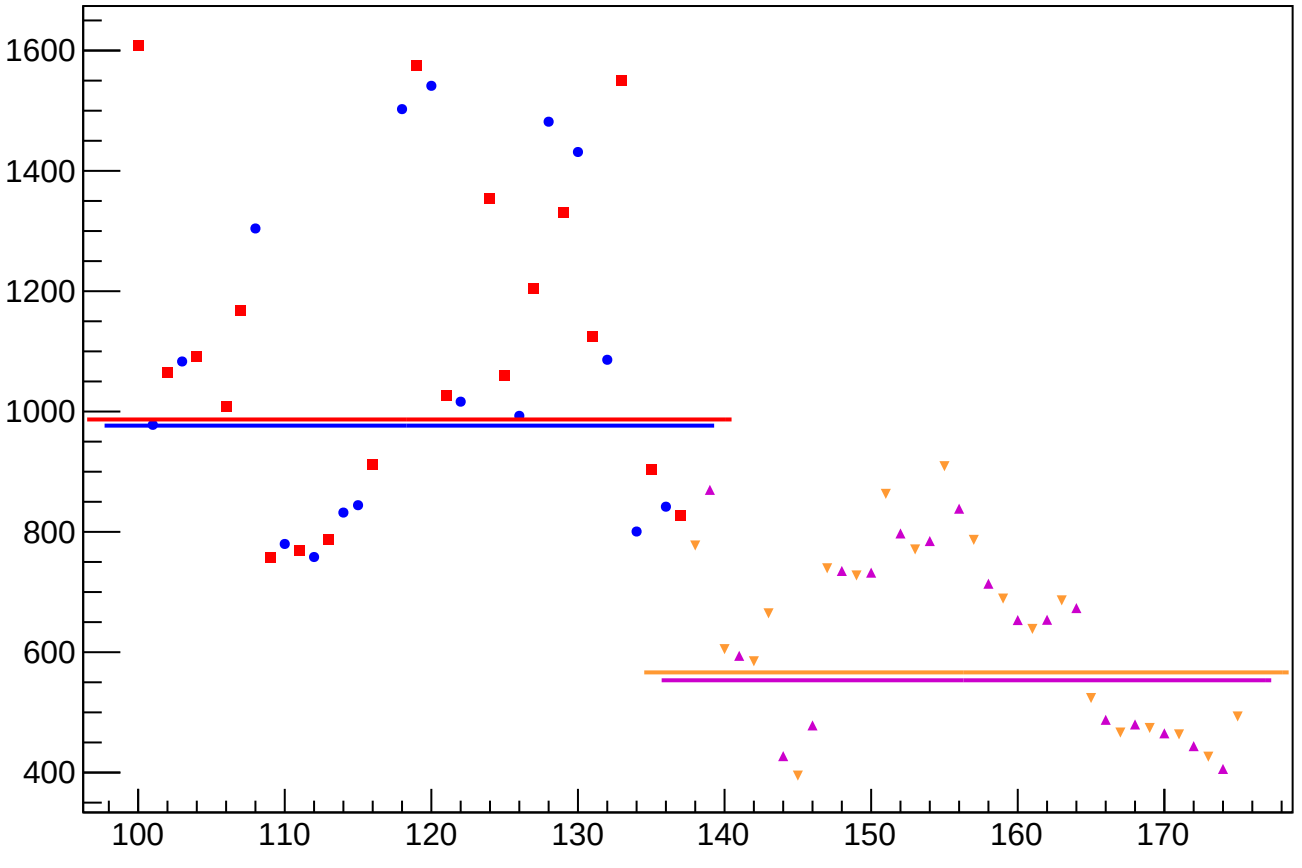
Left: -292.377+/-104.601 χ^2/NDF: 97.5/37

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 32.052+/-138.179 χ^2/NDF:46.8/33

Out: -480.263+/-136.952 χ^2/NDF:89.2/38

All: -226.389+/-97.271 χ^2/NDF: 142.9/72



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

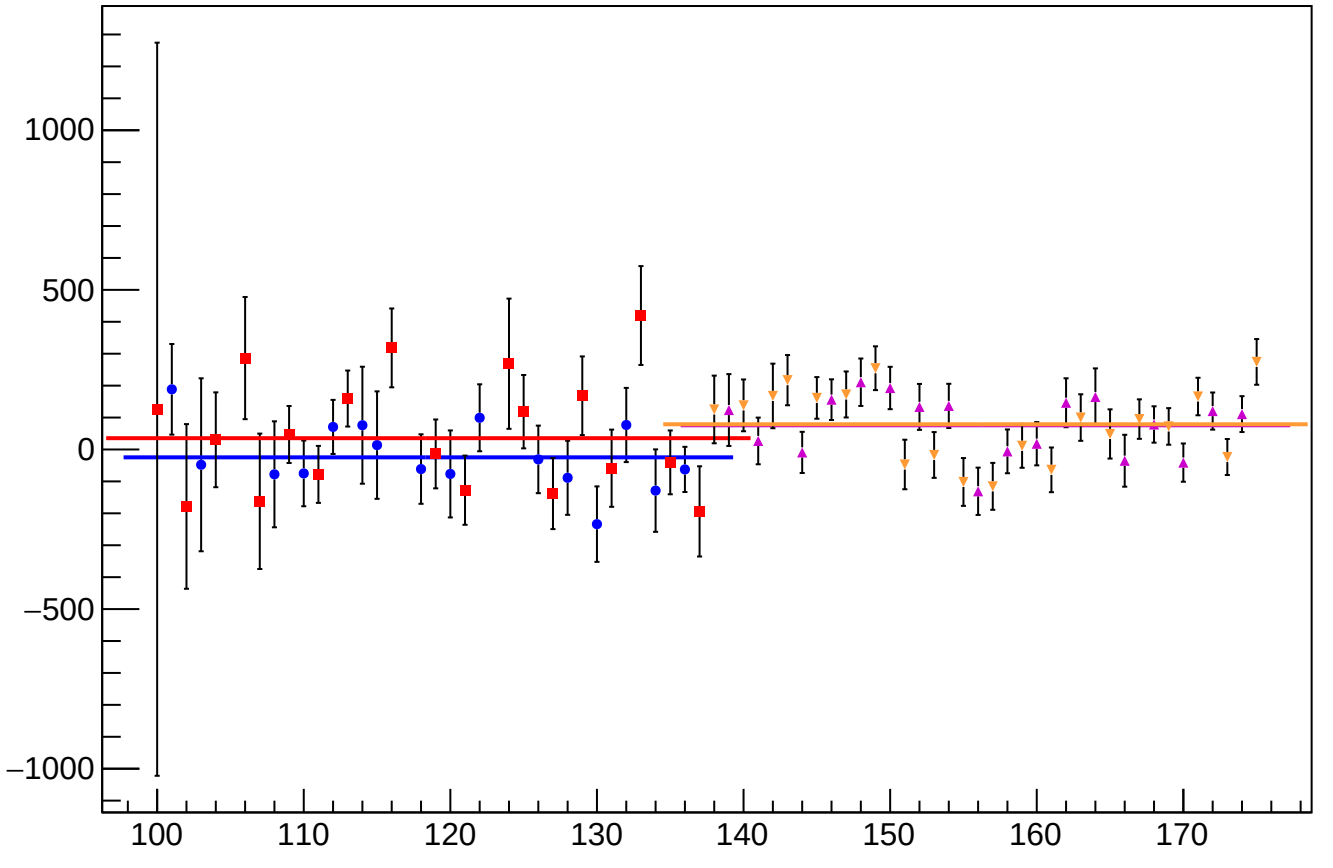
Left: 559.955+/-0.074 χ^2/NDF: 3639211.2/37

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 610.793+/-0.098 χ^2/NDF:4716437.2/33

Out: 623.093+/-0.097 χ^2/NDF:4763322.9/38

All: 616.998+/-0.069 χ^2/NDF: 9487754.0/72



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 75.733+/-16.177 χ^2/NDF:30.2/17

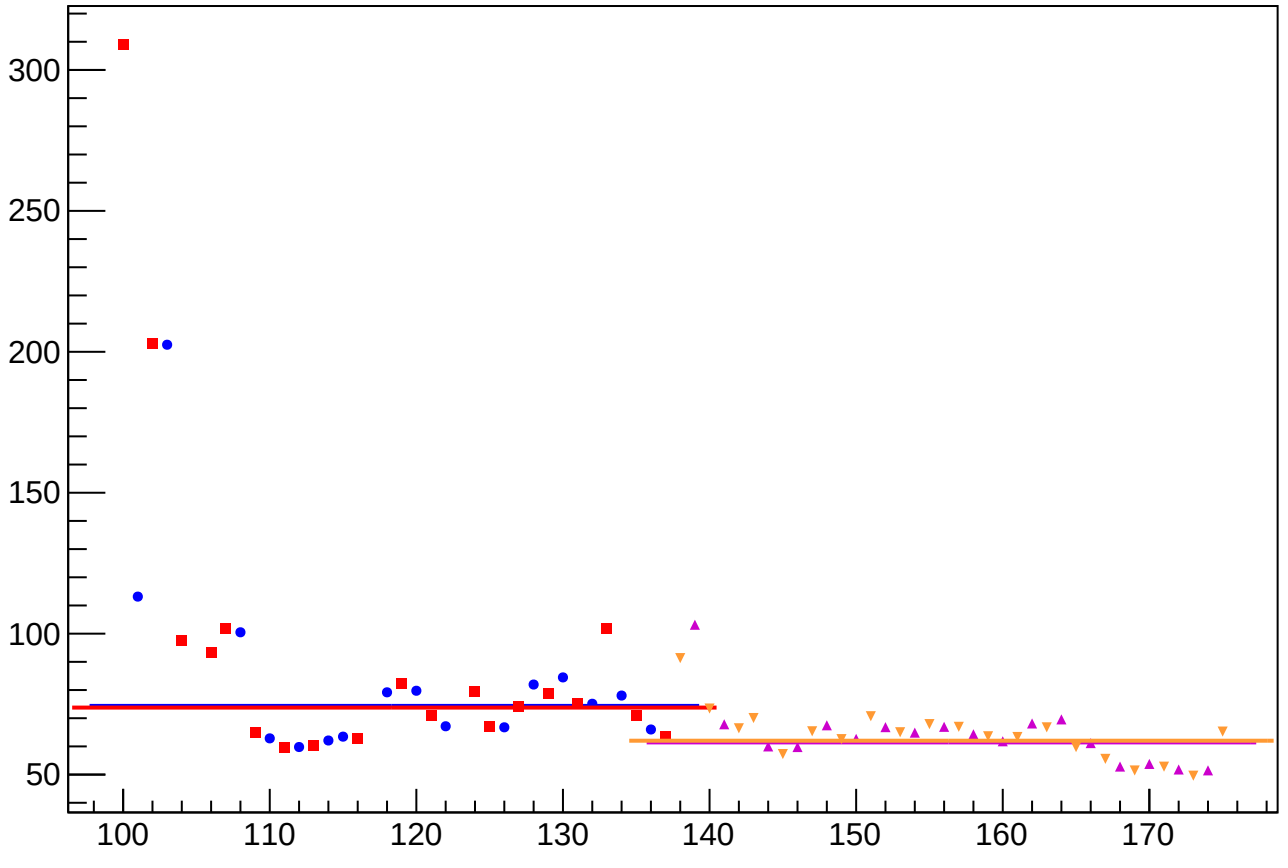
Left: 77.350+/-11.307 χ^2/NDF: 80.2/37

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 51.802+/-14.117 χ^2/NDF:50.4/33

Out: 68.633+/-13.820 χ^2/NDF:81.9/38

All: 60.396+/-9.876 χ^2/NDF: 132.9/72



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

Left: 61.725+/-0.008 χ^2/NDF: 1100009.2/37

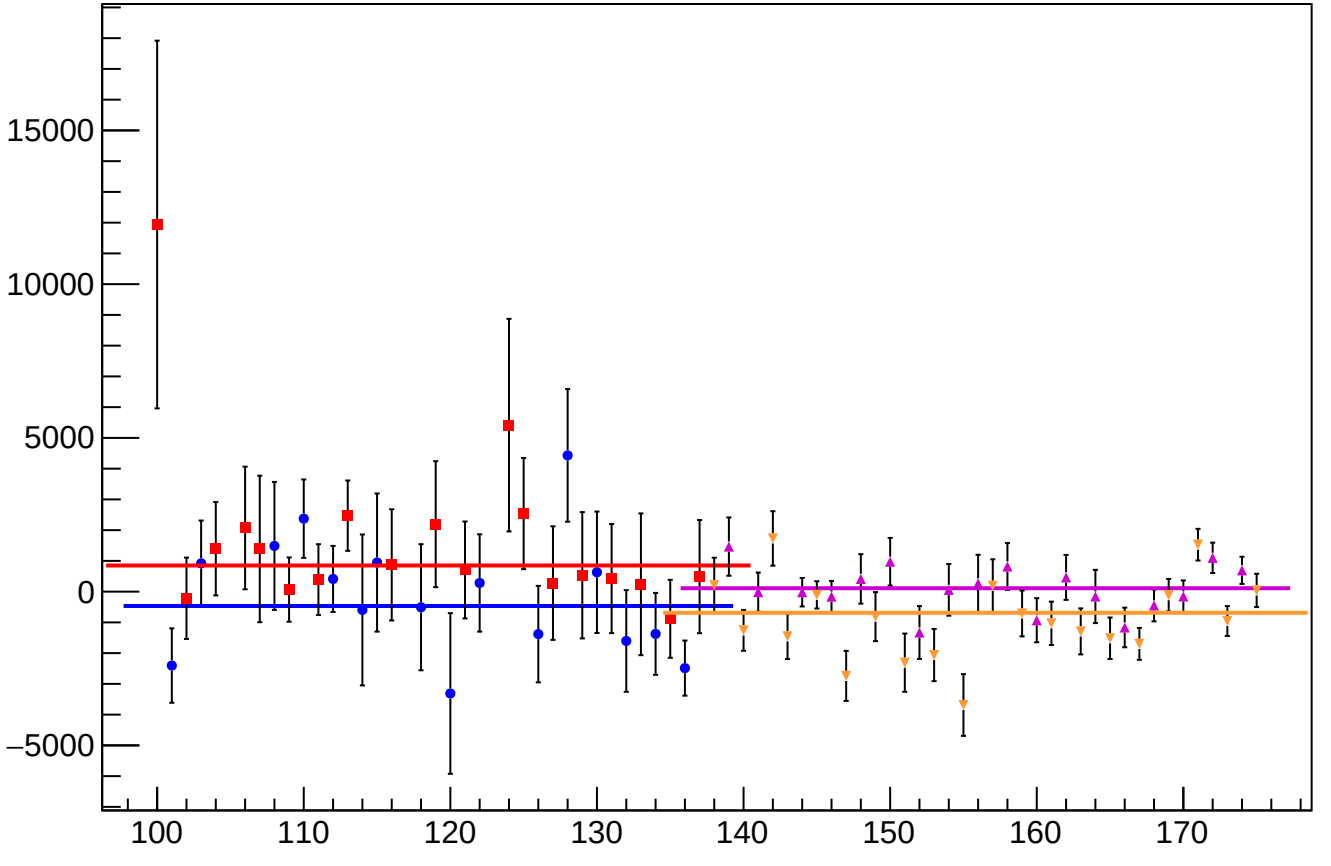
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.505+/-0.010 χ^2/NDF:1698282.8/33

Out: 64.792+/-0.010 χ^2/NDF:1722438.5/38

All: 64.651+/-0.007 χ^2/NDF: 3421143.9/72

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 110.364+/-148.636 χ^2/NDF:21.1/17

Left: -292.377+/-104.601 χ^2/NDF: 97.5/37

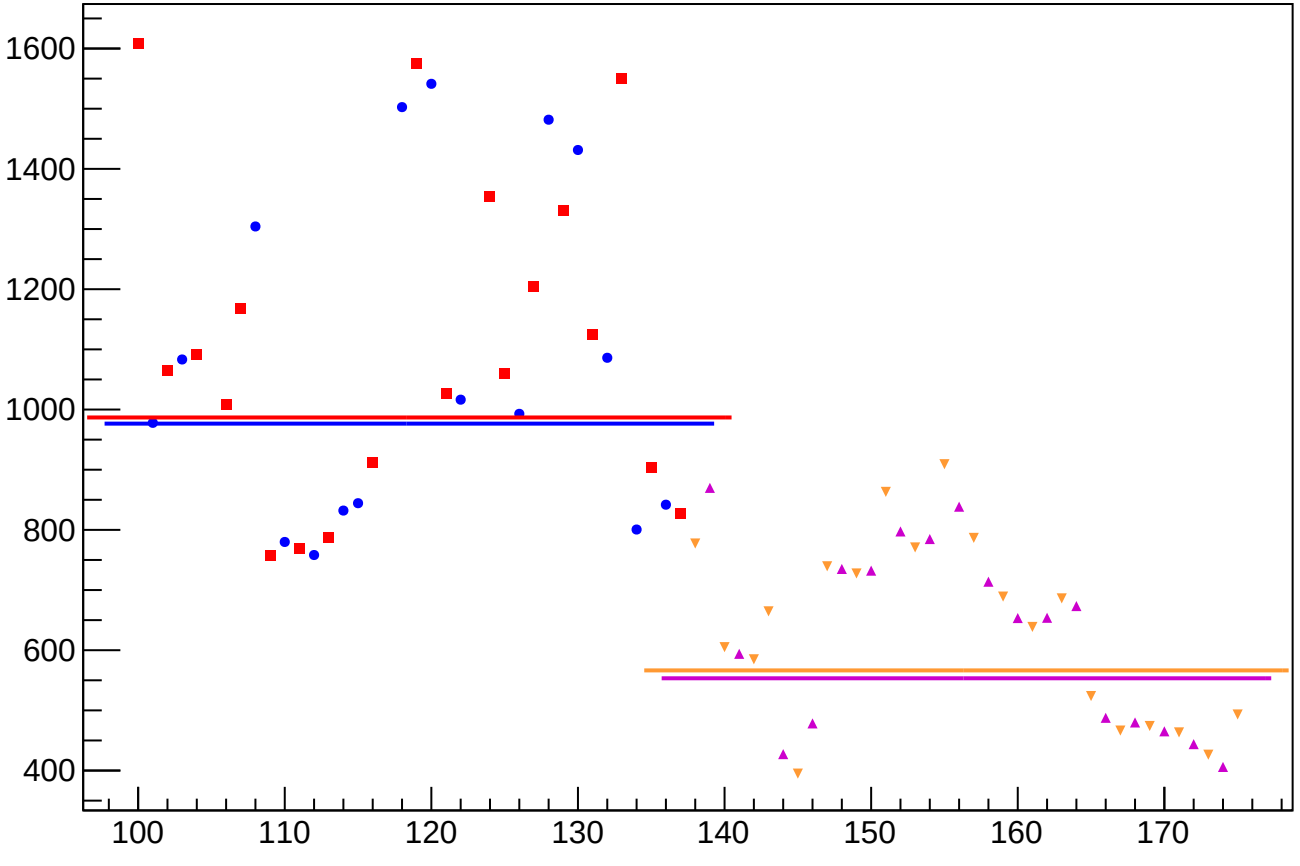
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 32.052+/-138.179 χ^2/NDF:46.8/33

Out: -480.263+/-136.952 χ^2/NDF:89.2/38

All: -226.389+/-97.271 χ^2/NDF: 142.9/72

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

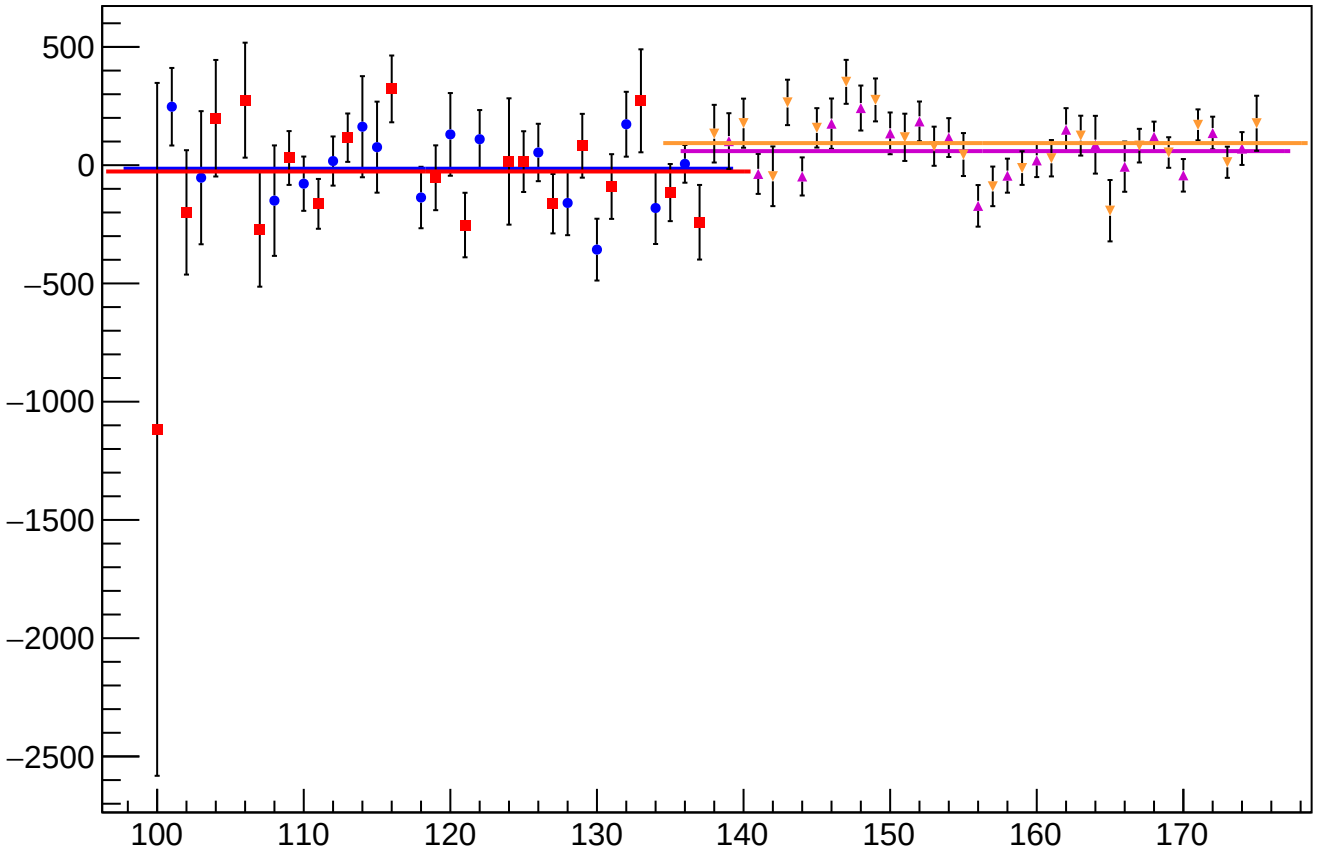
Left: 559.955+/-0.074 χ^2/NDF: 3639211.2/37

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 610.793+/-0.098 χ^2/NDF:4716437.2/33

Out: 623.093+/-0.097 χ^2/NDF:4763322.9/38

All: 616.998+/-0.069 χ^2/NDF: 9487754.0/72



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.395+/-19.022 χ^2/NDF:34.5/19

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 59.488+/-19.415 χ^2/NDF:26.6/17

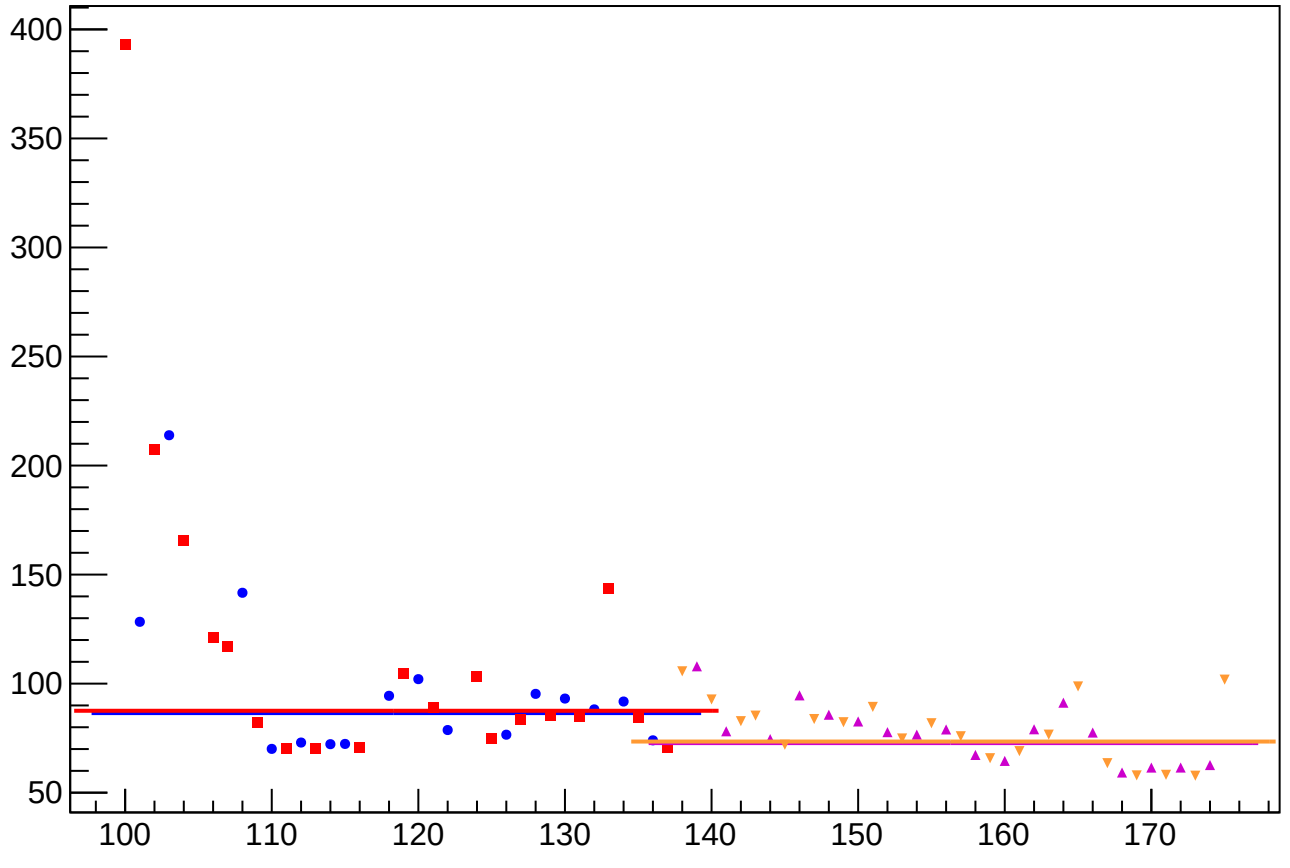
Left: 76.788+/-13.587 χ^2/NDF: 62.6/37

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 40.988+/-16.830 χ^2/NDF:48.5/33

Out: 64.869+/-16.609 χ^2/NDF:67.5/38

All: 53.087+/-11.822 χ^2/NDF: 117.1/72



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.443+/-0.013 χ^2/NDF:967094.0/19

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 72.730+/-0.014 χ^2/NDF:690970.9/17

Left: 73.094+/-0.010 χ^2/NDF: 1659442.4/37

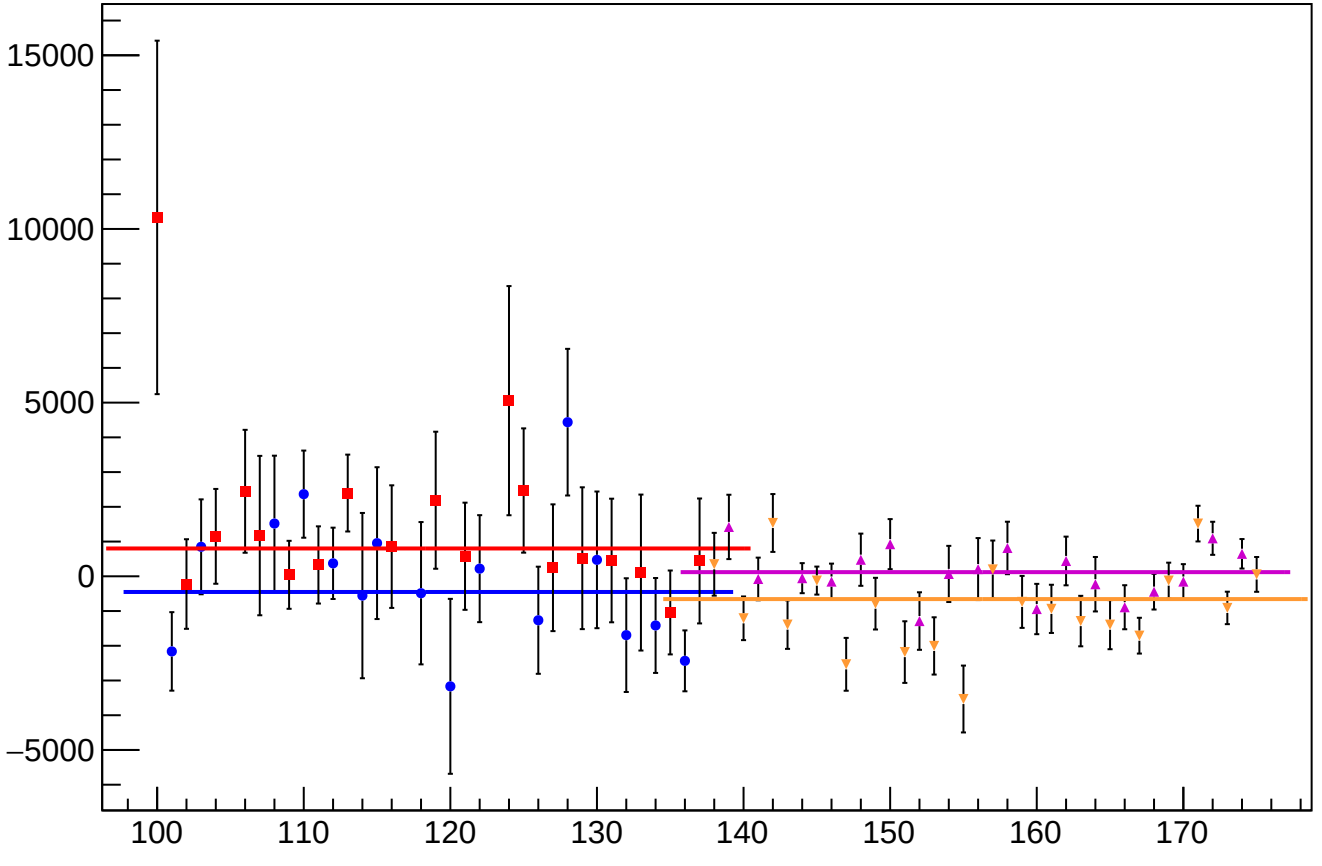
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.149+/-0.012 χ^2/NDF:1796867.6/33

Out: 76.796+/-0.012 χ^2/NDF:2358422.9/38

All: 76.477+/-0.008 χ^2/NDF: 4156788.2/72

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 119.747+/-143.781 χ^2/NDF:20.1/17

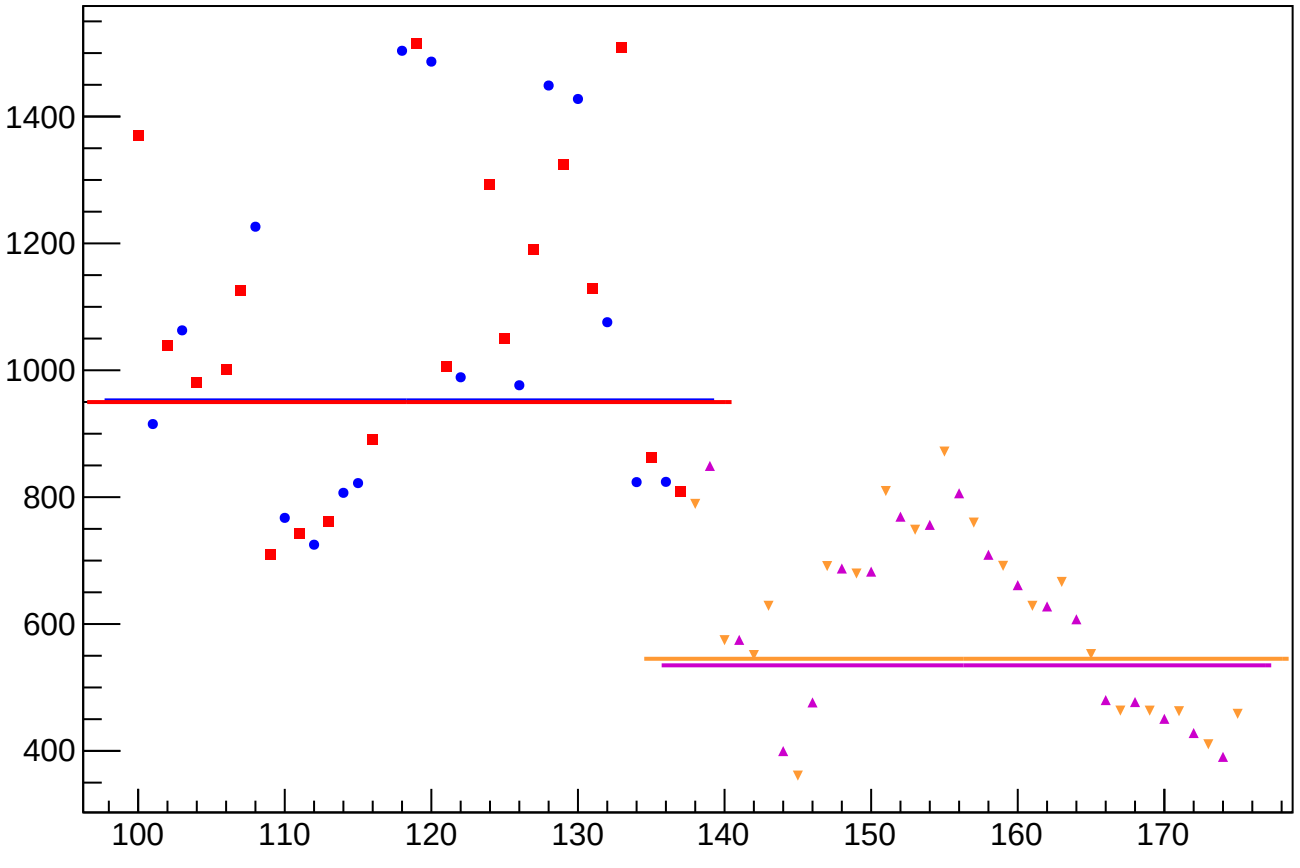
Left: -273.867+/-100.914 χ^2/NDF: 95.8/37

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 43.247+/-133.806 χ^2/NDF:45.9/33

Out: -458.573+/-131.723 χ^2/NDF:88.9/38

All: -211.600+/-93.870 χ^2/NDF: 142.0/72



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938096.7/19

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 534.882+/-0.102 χ^2/NDF:1768820.5/17

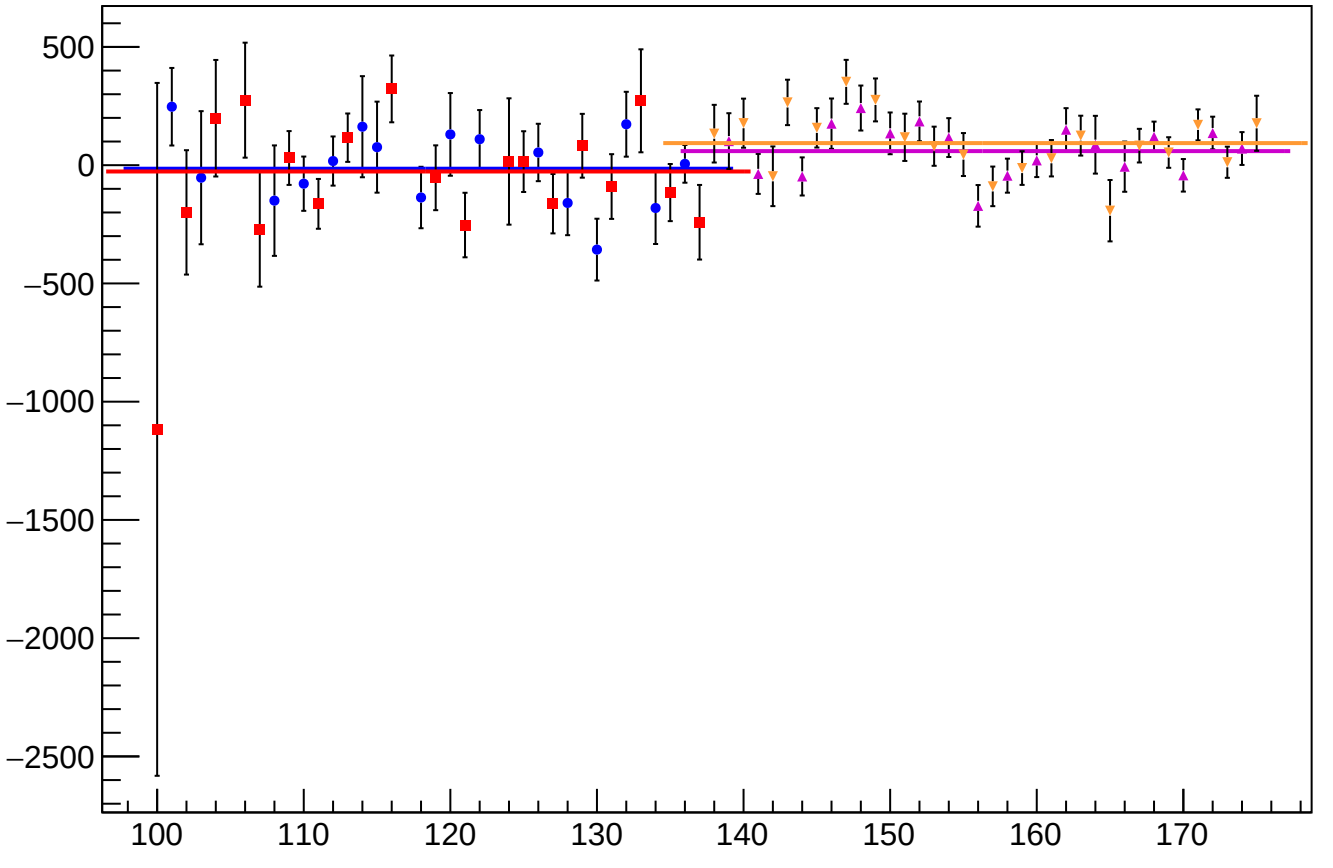
Left: 540.134+/-0.071 χ^2/NDF: 3712176.4/37

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 590.827+/-0.095 χ^2/NDF:4775715.2/33

Out: 600.057+/-0.093 χ^2/NDF:4900525.2/38

All: 595.514+/-0.066 χ^2/NDF: 9681073.5/72



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.396+/-19.022 χ^2/NDF:34.5/19

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 59.487+/-19.415 χ^2/NDF:26.6/17

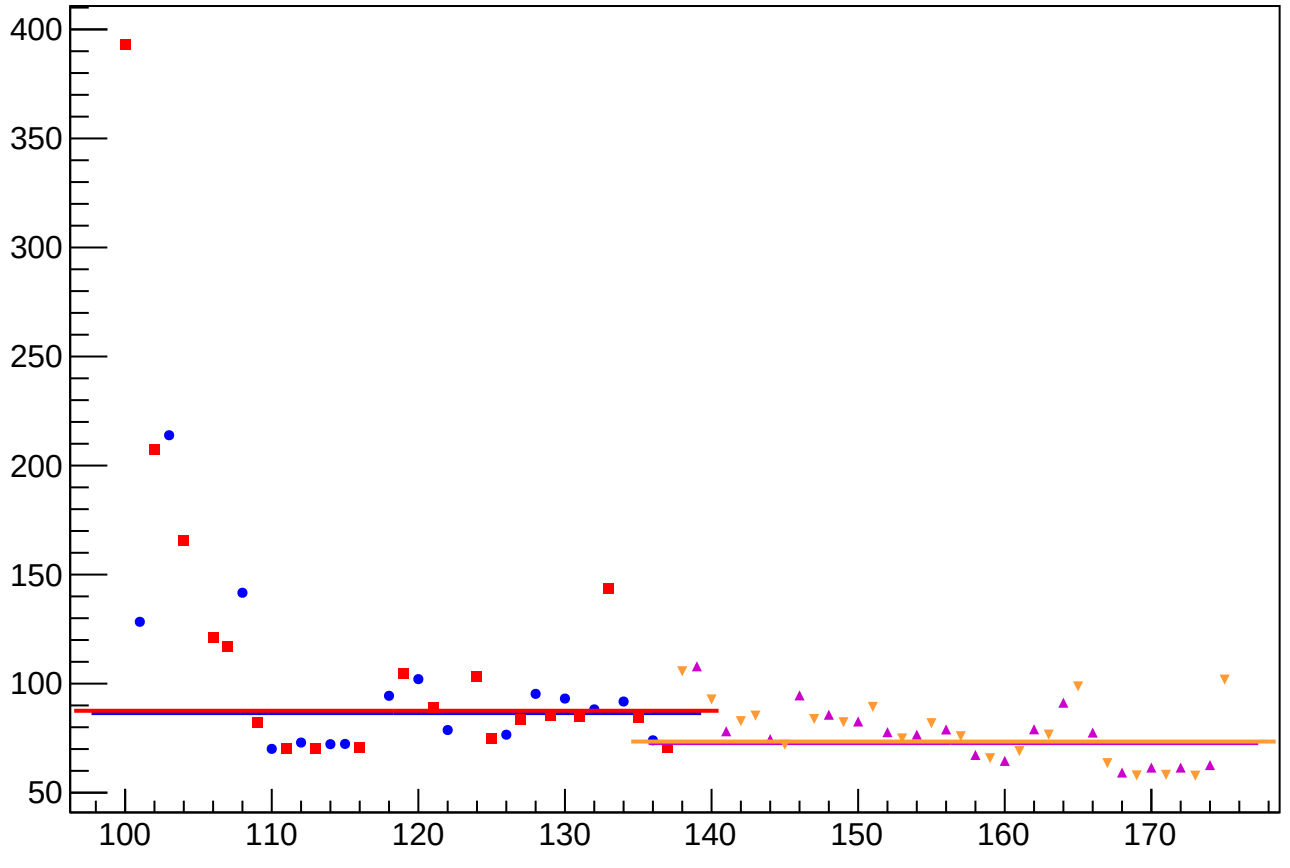
Left: 76.788+/-13.587 χ^2/NDF: 62.6/37

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 40.988+/-16.830 χ^2/NDF:48.5/33

Out: 64.869+/-16.609 χ^2/NDF:67.5/38

All: 53.086+/-11.822 χ^2/NDF: 117.1/72



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.443+/-0.013 χ^2/NDF:967103.3/19

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.730+/-0.014 χ^2/NDF:690976.8/17

Left: 73.094+/-0.010 χ^2/NDF: 1659457.6/37

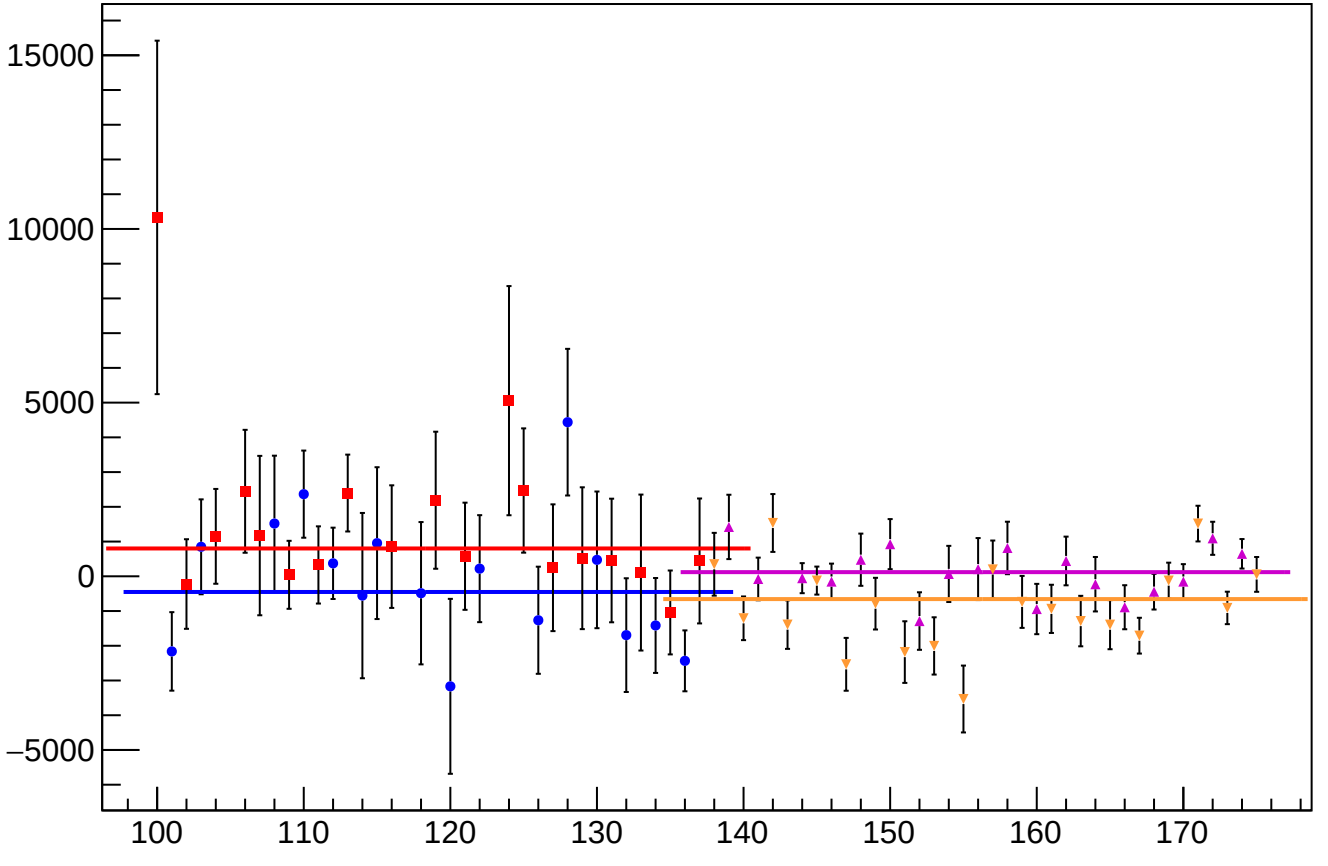
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.149+/-0.012 χ^2/NDF:1796868.3/33

Out: 76.797+/-0.012 χ^2/NDF:2358435.7/38

All: 76.477+/-0.008 χ^2/NDF: 4156802.0/72

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 119.746+/-143.781 χ^2/NDF:20.1/17

Left: -273.868+/-100.914 χ^2/NDF: 95.8/37

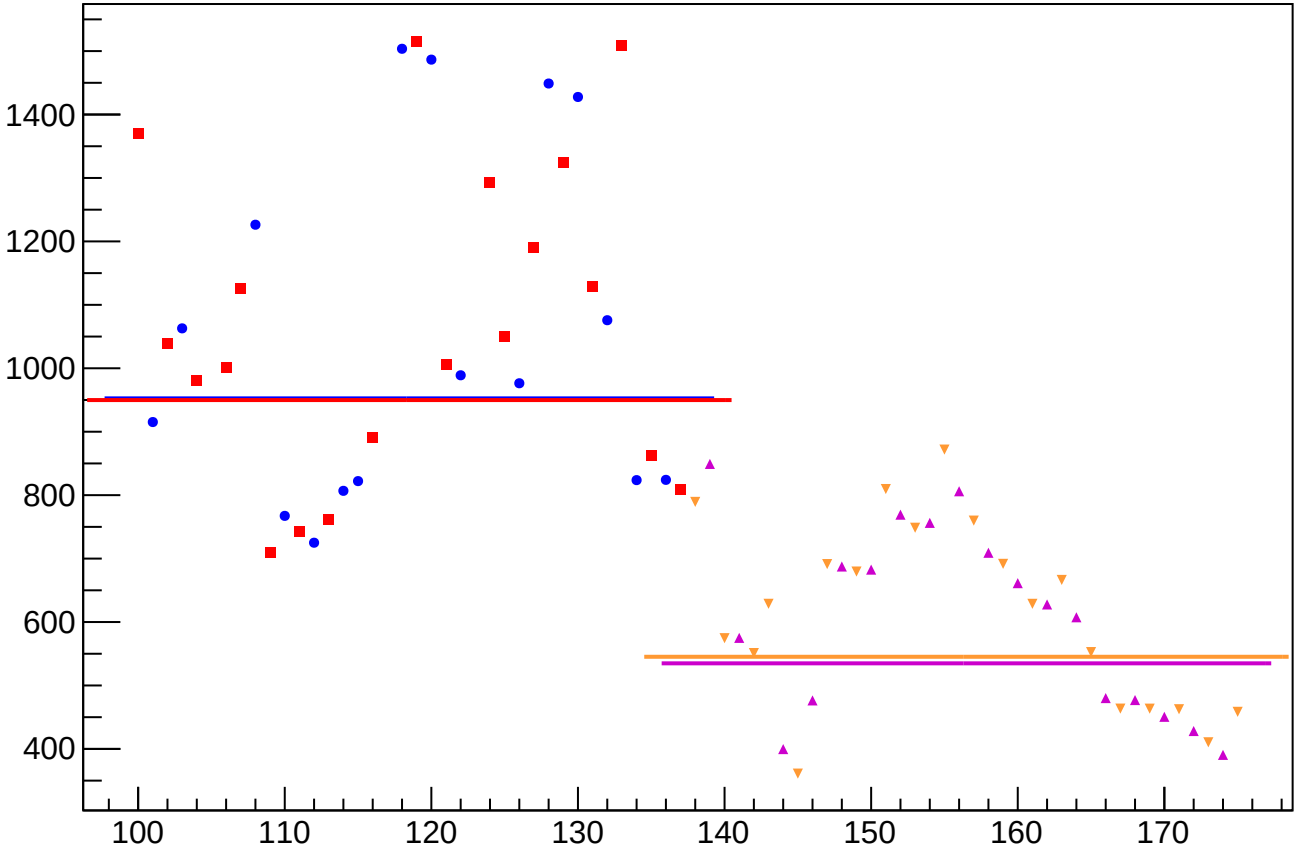
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 43.247+/-133.806 χ^2/NDF:45.9/33

Out: -458.573+/-131.723 χ^2/NDF:88.9/38

All: -211.600+/-93.870 χ^2/NDF: 142.0/72

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938092.2/19

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 534.882+/-0.102 χ^2/NDF:1768814.8/17

Left: 540.134+/-0.071 χ^2/NDF: 3712166.1/37

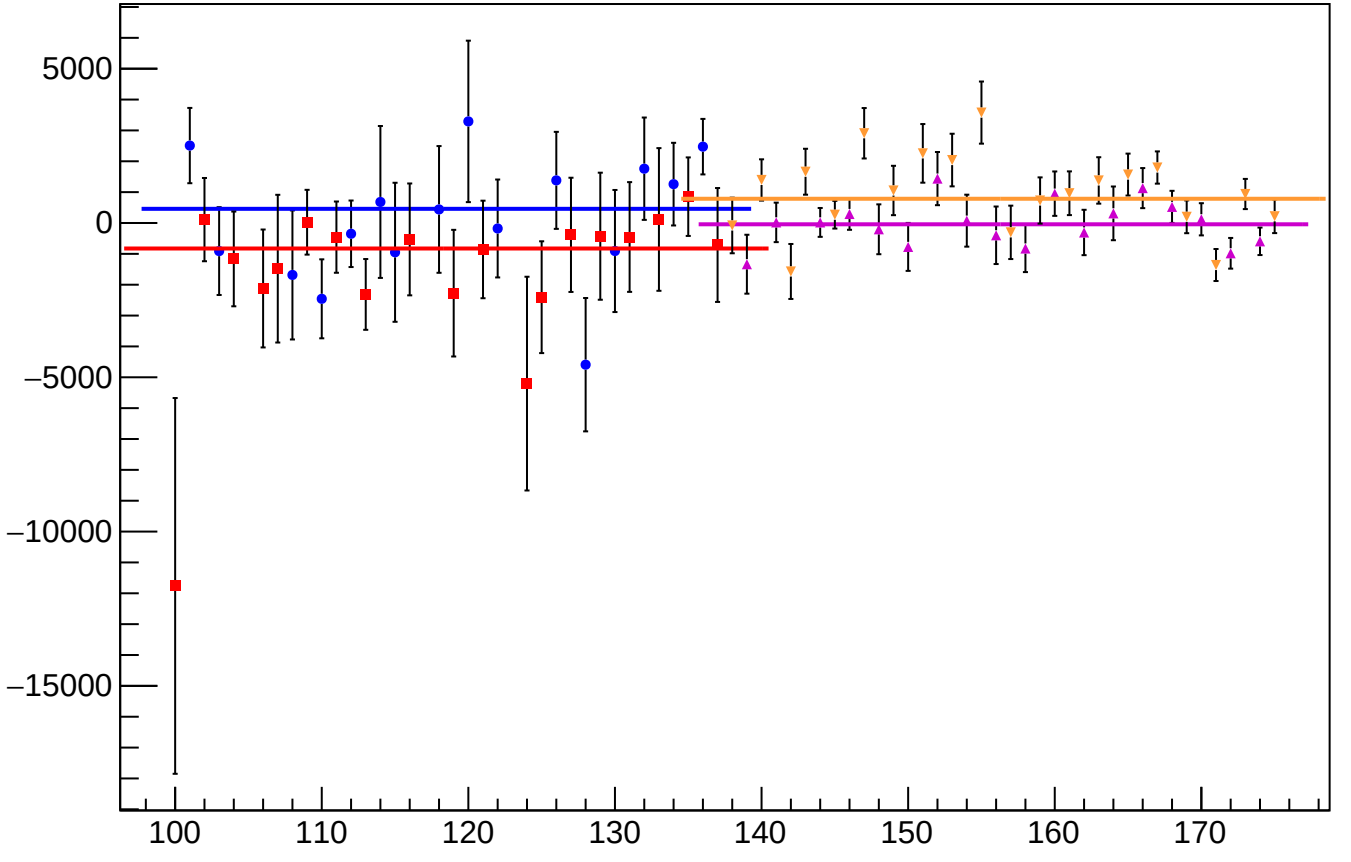
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 590.827+/-0.095 χ^2/NDF:4775702.7/33

Out: 600.057+/-0.093 χ^2/NDF:4900512.1/38

All: 595.514+/-0.066 χ^2/NDF: 9681047.8/72

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 785.392+/-148.200 χ^2/NDF:57.5/19

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -41.995+/-149.646 χ^2/NDF:19.2/17

Left: 375.713+/-105.301 χ^2/NDF: 92.1/37

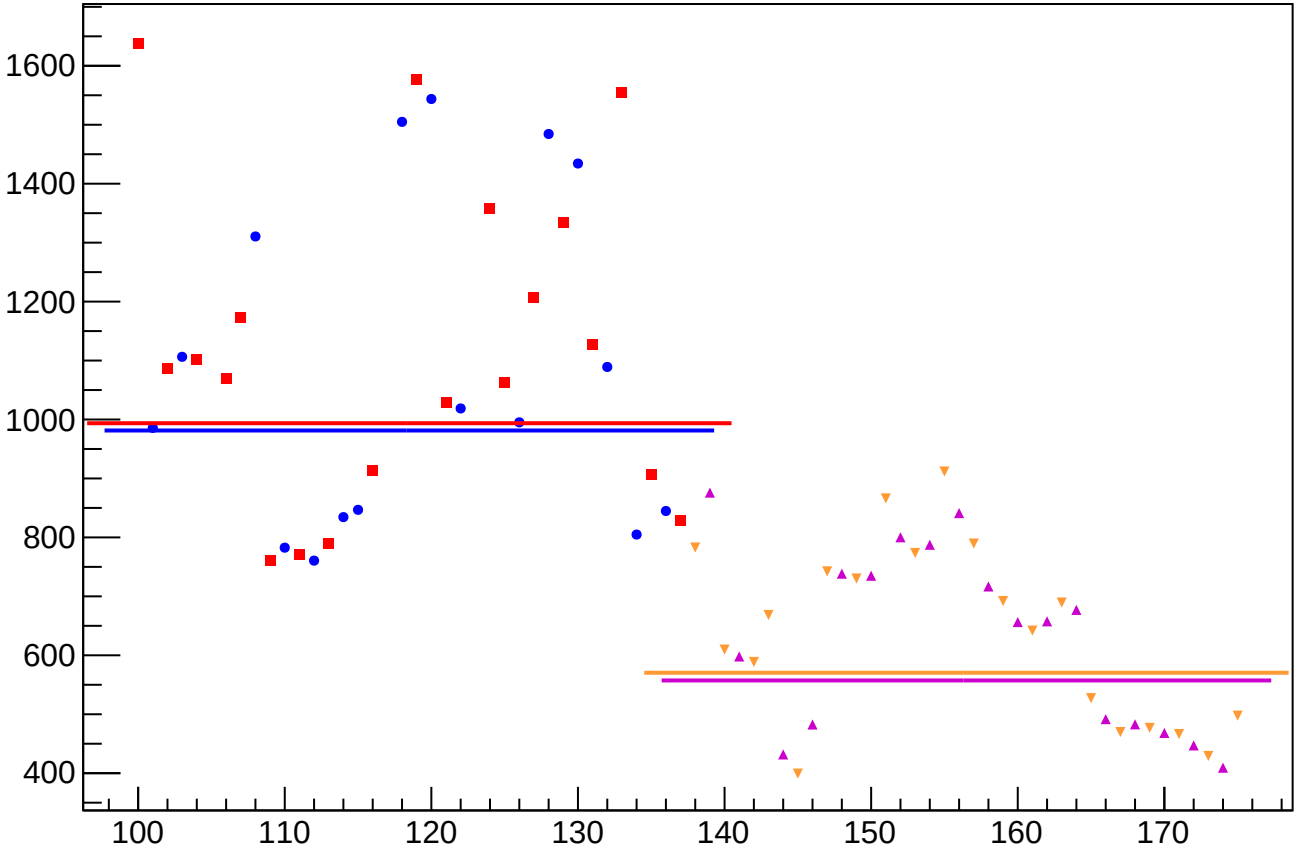
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 26.255+/-139.083 χ^2/NDF:45.3/33

Out: 566.883+/-137.790 χ^2/NDF:85.2/38

All: 299.093+/-97.886 χ^2/NDF: 138.1/72

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 570.418+/-0.105 χ^2/NDF:1827973.3/19

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 557.336+/-0.106 χ^2/NDF:1755138.2/17

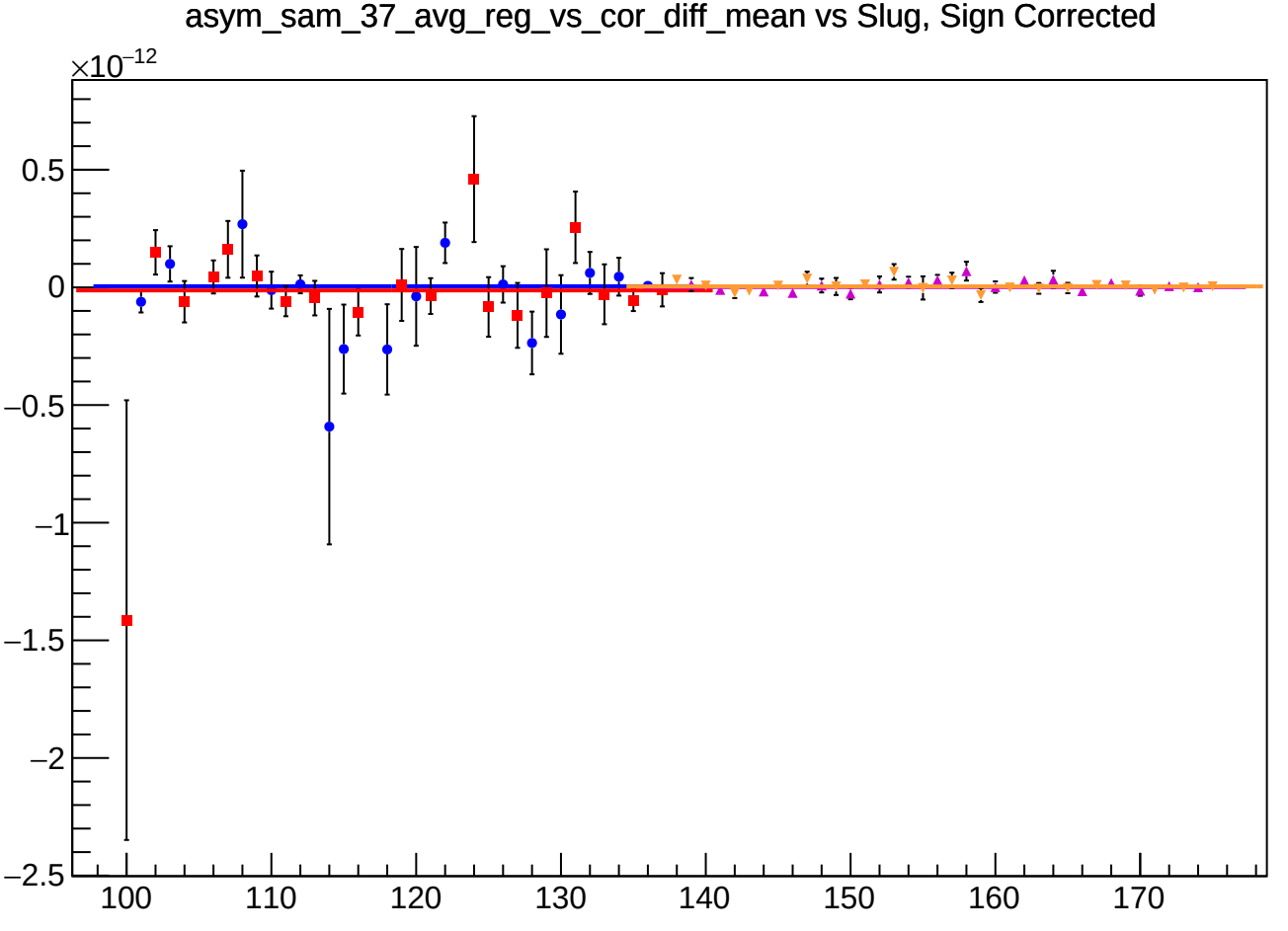
Left: 563.940+/-0.074 χ^2/NDF: 3590827.2/37

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 615.084+/-0.098 χ^2/NDF:4679589.5/33

Out: 627.795+/-0.097 χ^2/NDF:4759259.5/38

All: 621.499+/-0.069 χ^2/NDF: 9447279.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/17

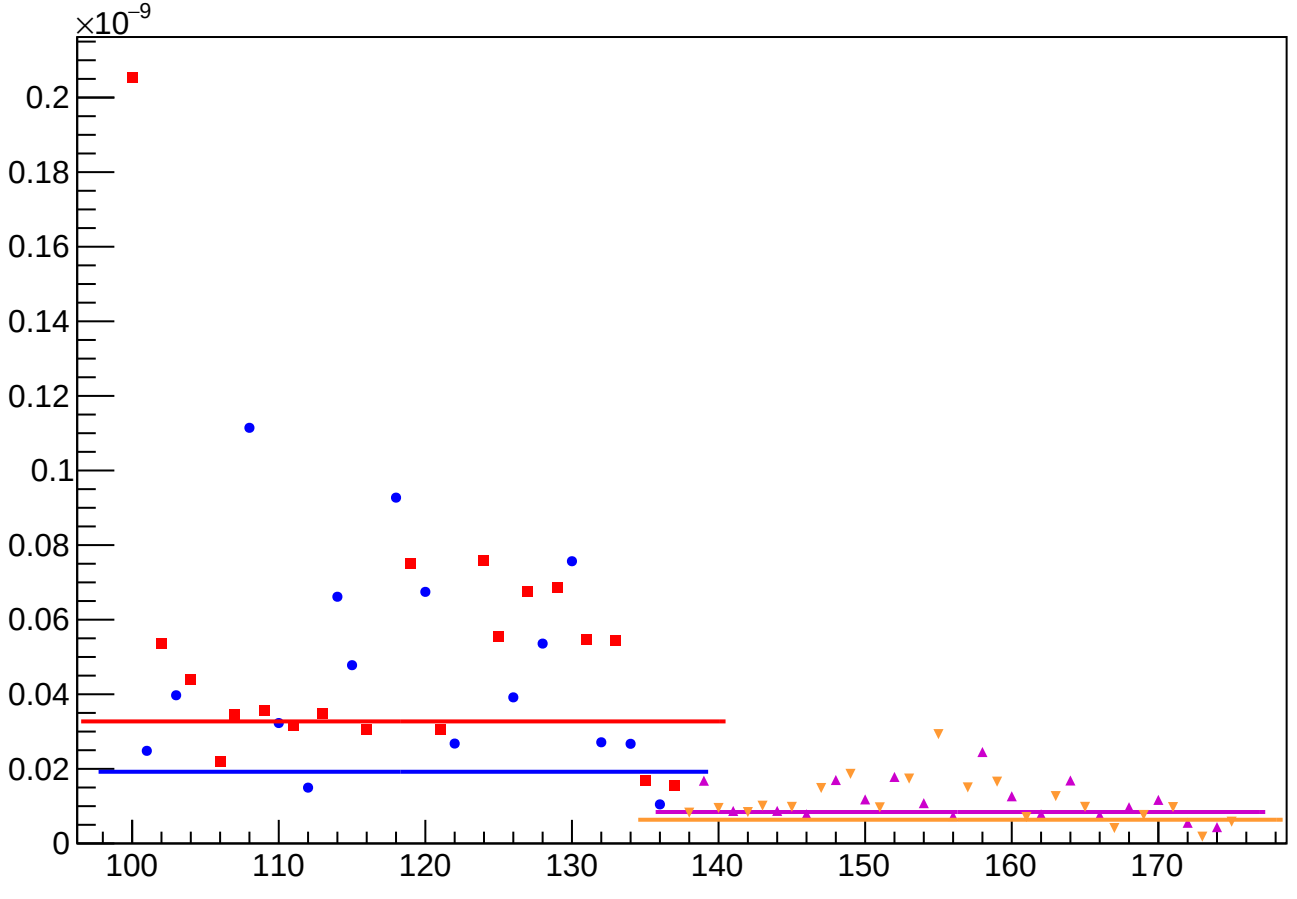
Left: 0.000+/-0.000 χ^2/NDF: 32.8/37

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:37.9/33

Out: 0.000+/-0.000 χ^2/NDF:33.4/38

All: 0.000+/-0.000 χ^2/NDF: 71.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3205552.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1616589.2/17

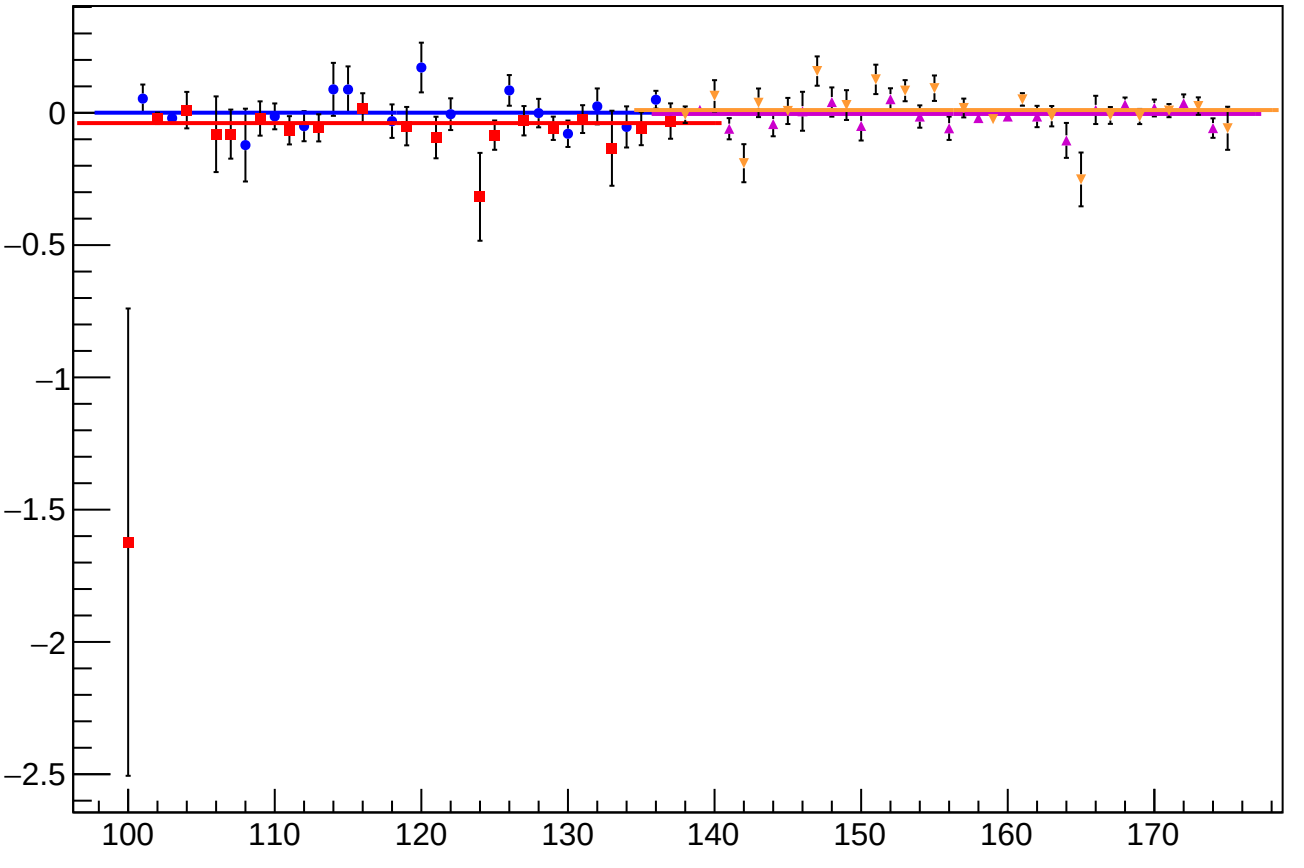
Left: 0.000+/-0.000 χ^2/NDF: 5112507.3/37

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:4622081.2/33

Out: 0.000+/-0.000 χ^2/NDF:7534507.8/38

All: 0.000+/-0.000 χ^2/NDF: 12520635.7/72



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 63.3/37

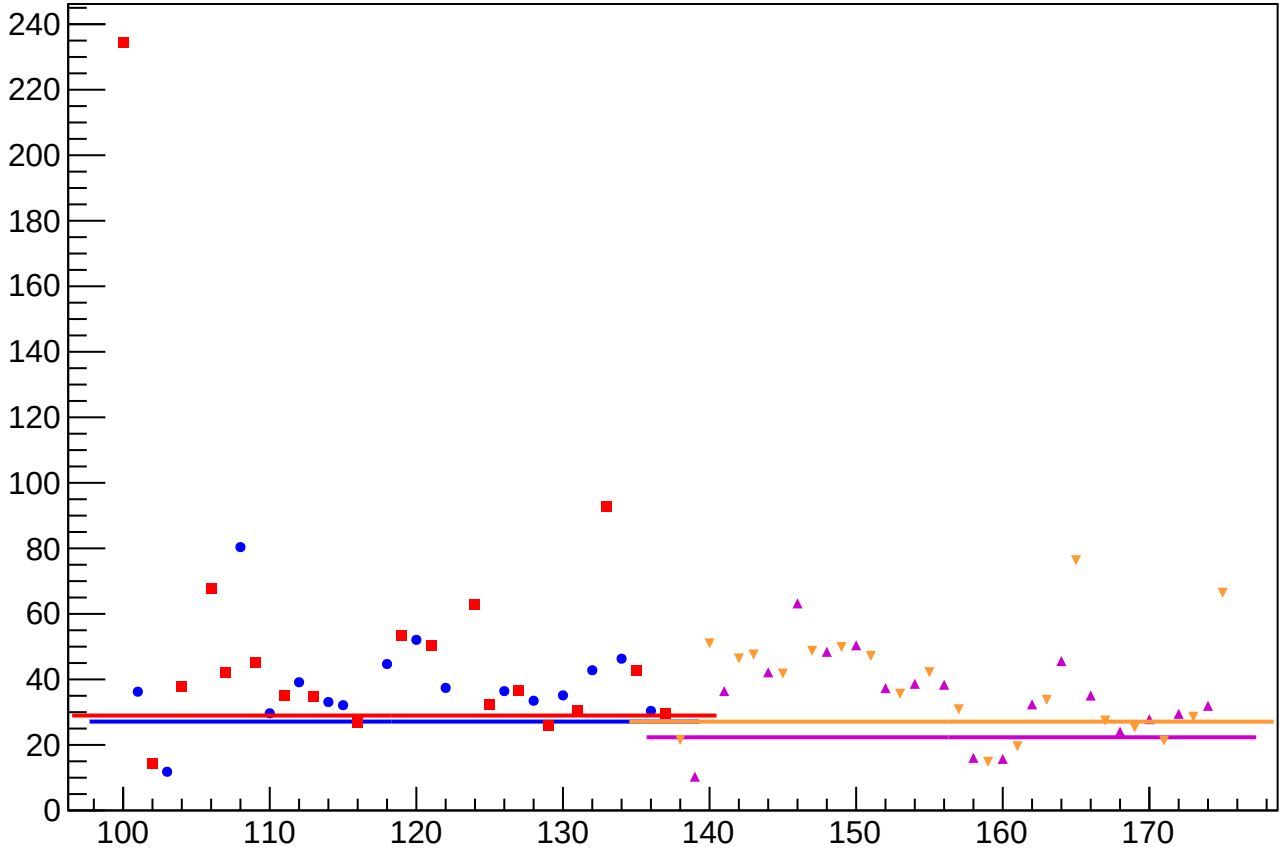
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.0/72

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628202.4/19

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

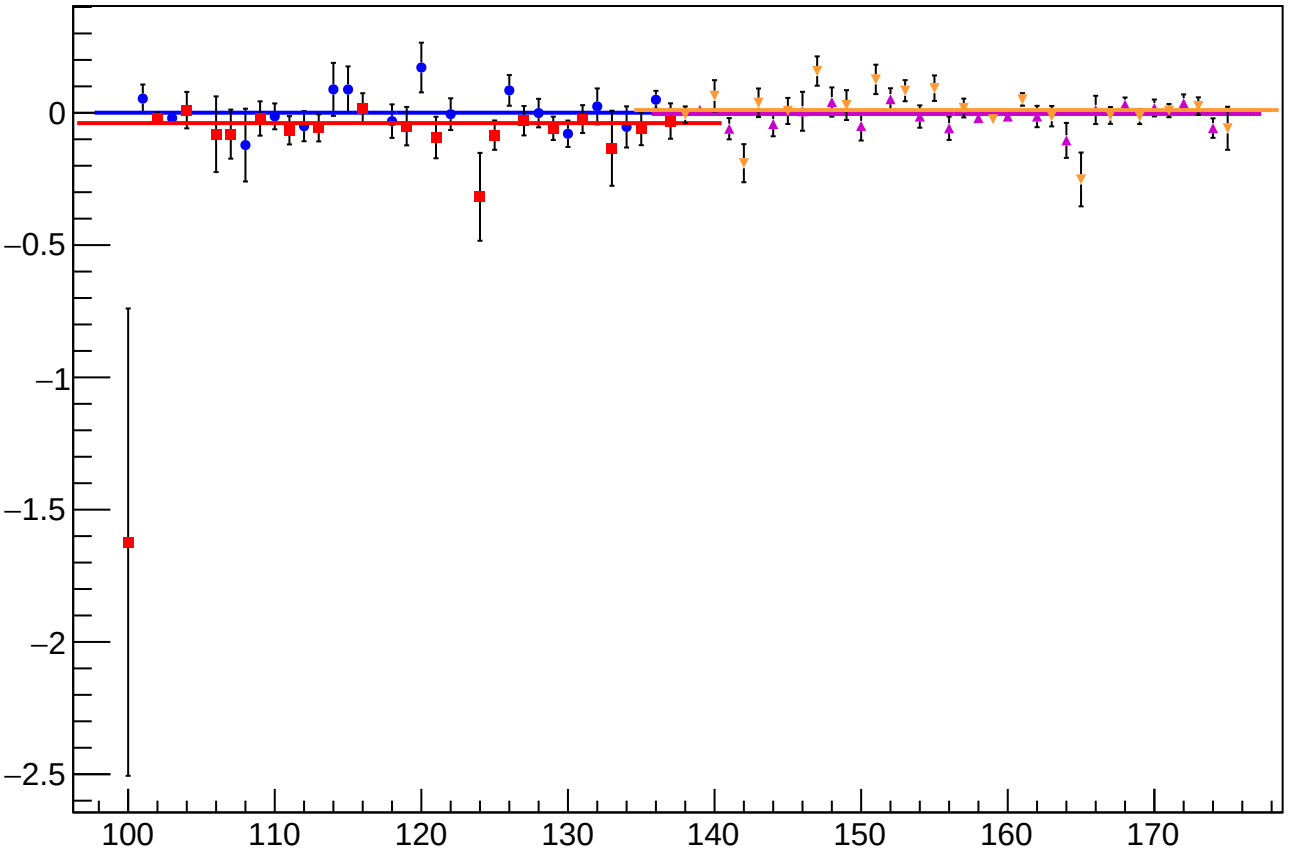
Left: 24.437+/-0.004 χ^2/NDF: 10969126.6/37

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.538+/-0.004 χ^2/NDF:8580304.9/33

Out: 27.631+/-0.005 χ^2/NDF:7115990.7/38

All: 25.378+/-0.003 χ^2/NDF: 16110579.2/72



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 63.3/37

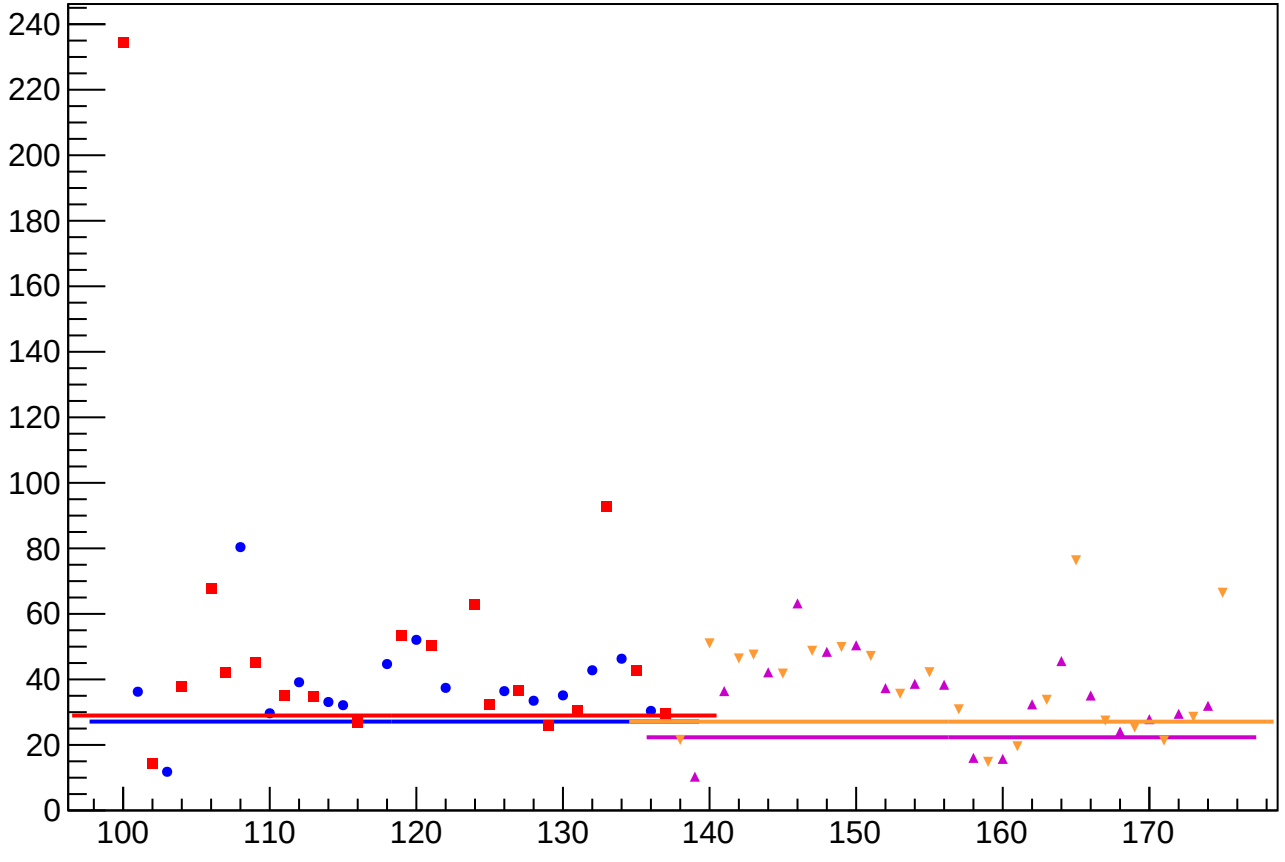
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.0/72

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628202.4/19

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

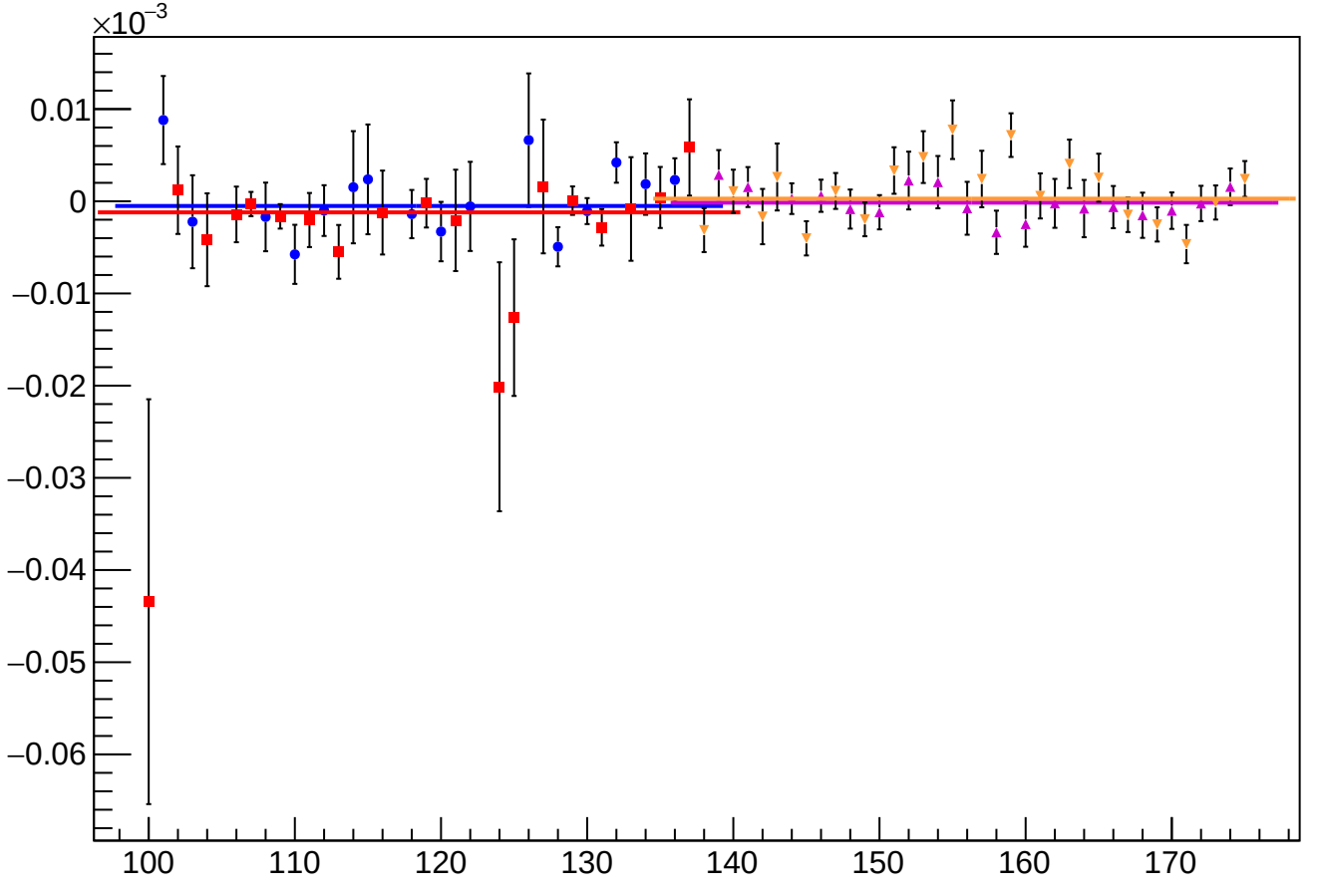
Left: 24.437+/-0.004 χ^2/NDF: 10969126.6/37

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.538+/-0.004 χ^2/NDF:8580304.9/33

Out: 27.631+/-0.005 χ^2/NDF:7115990.7/38

All: 25.378+/-0.003 χ^2/NDF: 16110579.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/17

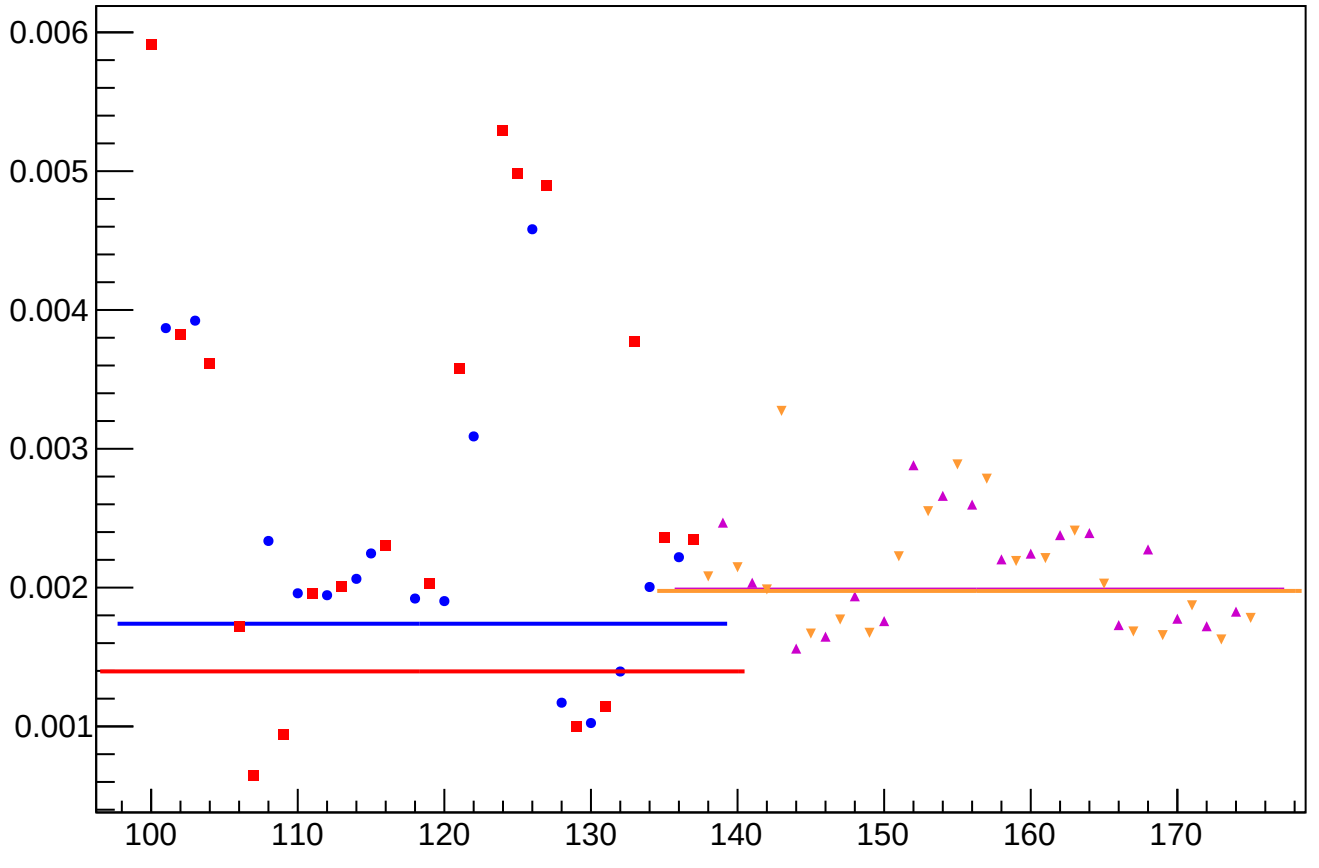
Left: 0.000+/-0.000 χ^2/NDF: 49.7/37

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:28.0/33

Out: -0.000+/-0.000 χ^2/NDF:59.5/38

All: -0.000+/-0.000 χ^2/NDF: 87.5/72



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1101567.7/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:913039.5/17

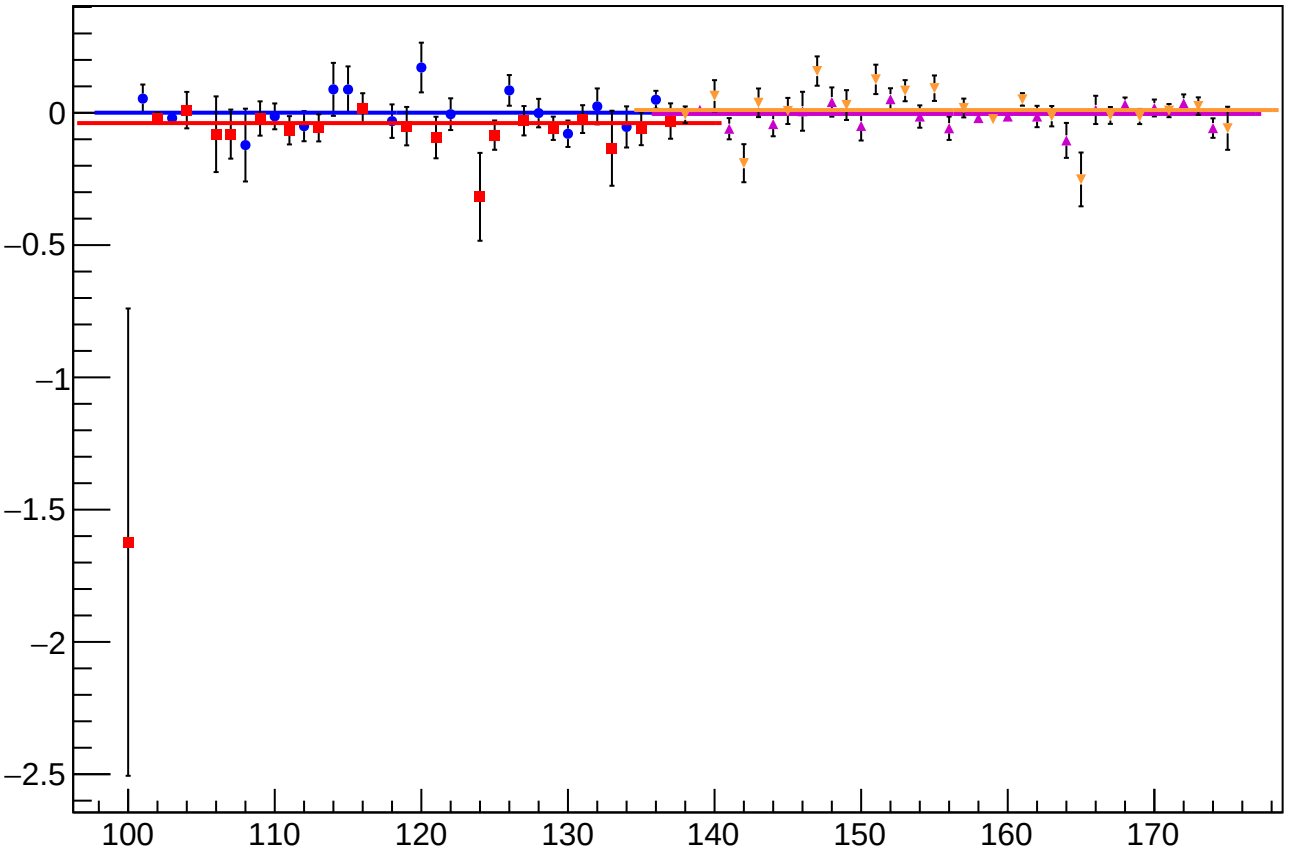
Left: 0.002+/-0.000 χ^2/NDF: 2014950.2/37

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3213172.4/33

Out: 0.002+/-0.000 χ^2/NDF:6488909.9/38

All: 0.002+/-0.000 χ^2/NDF: 9856342.1/72



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 63.3/37

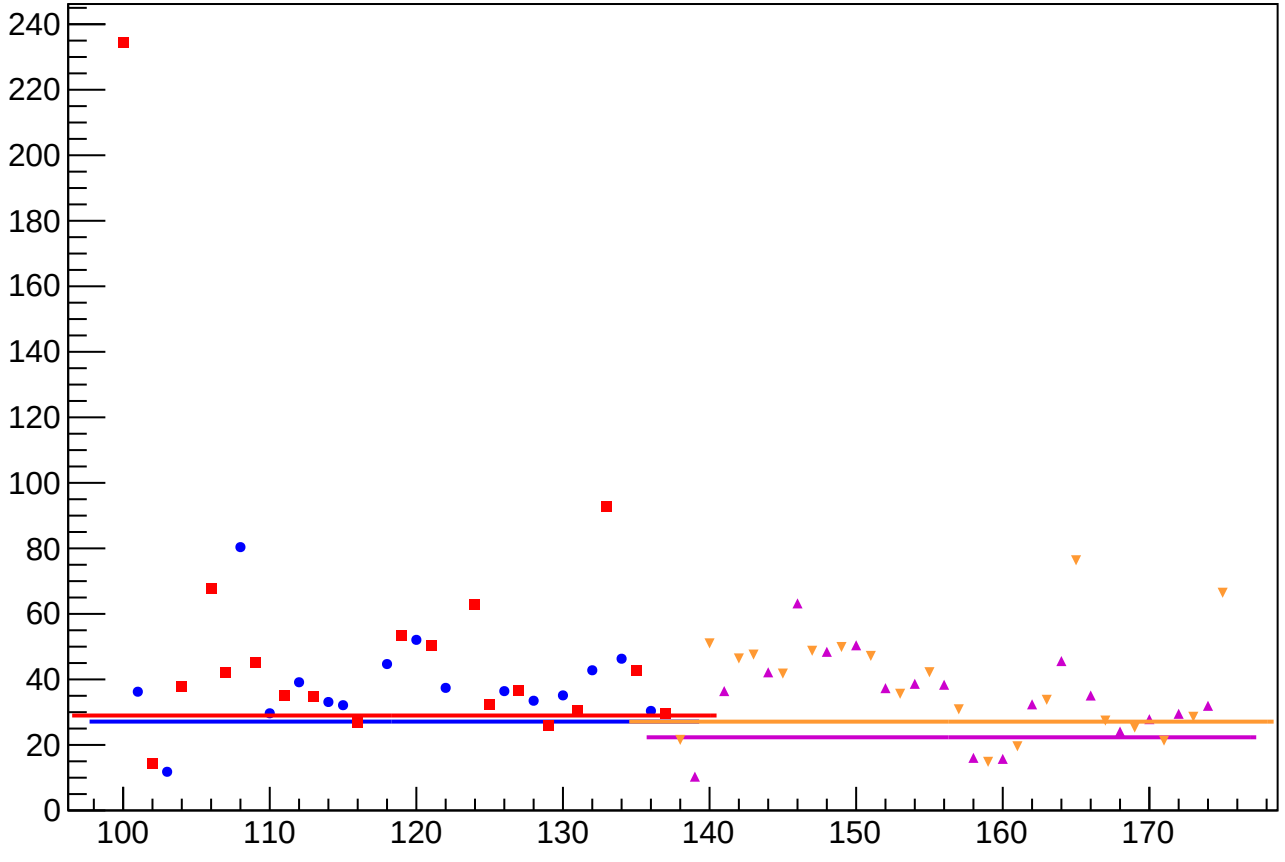
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.0/72

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628623.3/19

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

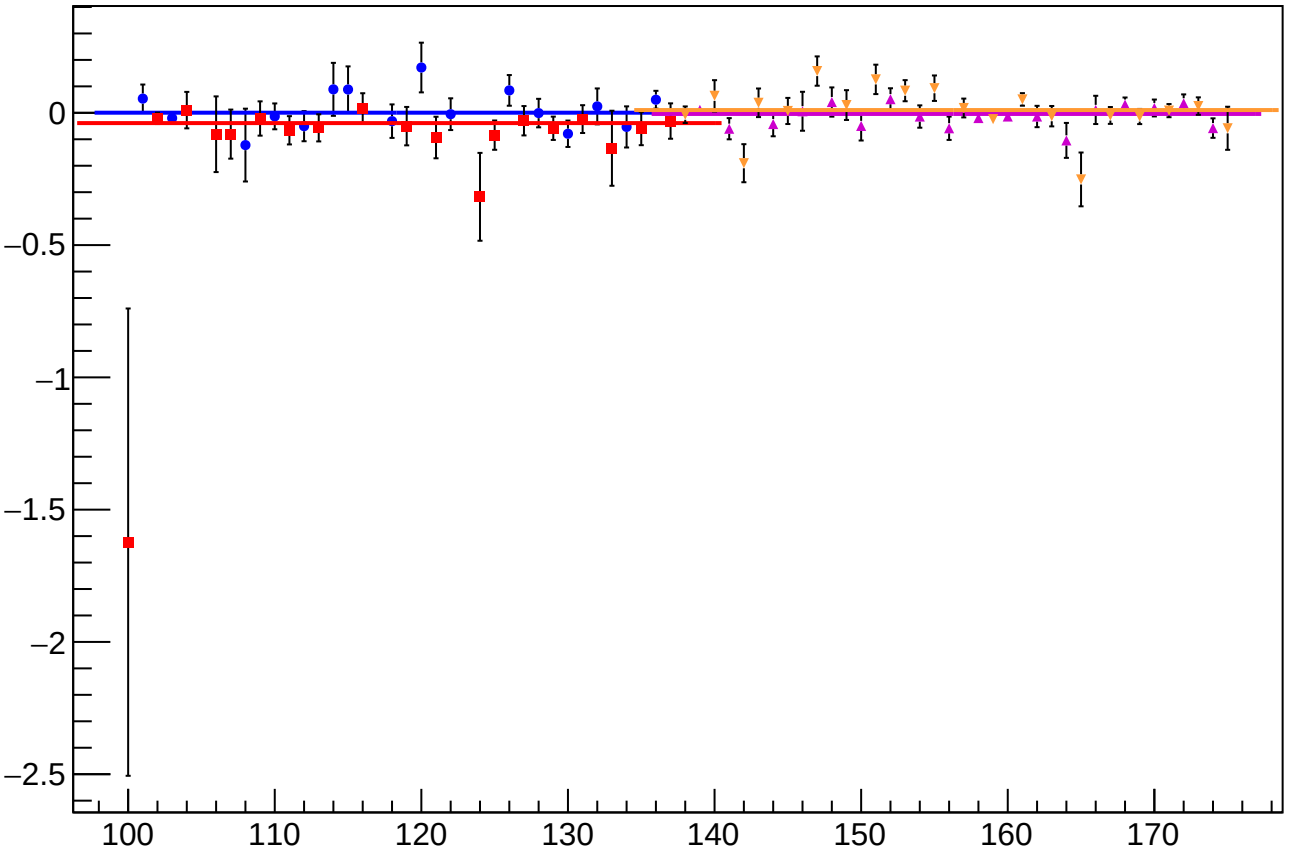
Left: 24.436+/-0.004 χ^2/NDF: 10970604.1/37

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.537+/-0.004 χ^2/NDF:8581606.0/33

Out: 27.632+/-0.005 χ^2/NDF:7115919.9/38

All: 25.378+/-0.003 χ^2/NDF: 16112108.8/72



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 63.3/37

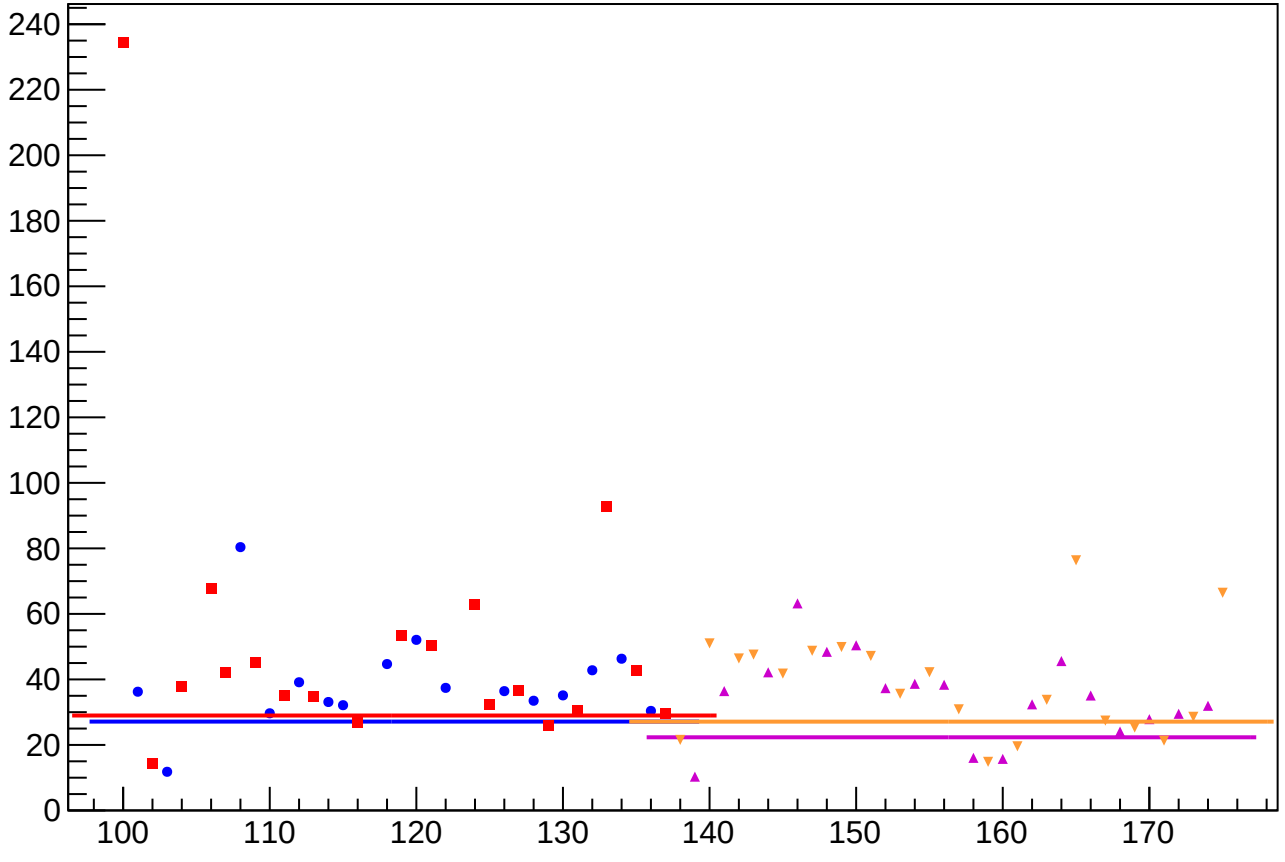
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.0/72

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.110+/-0.006 χ^2/NDF:4628623.3/19

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

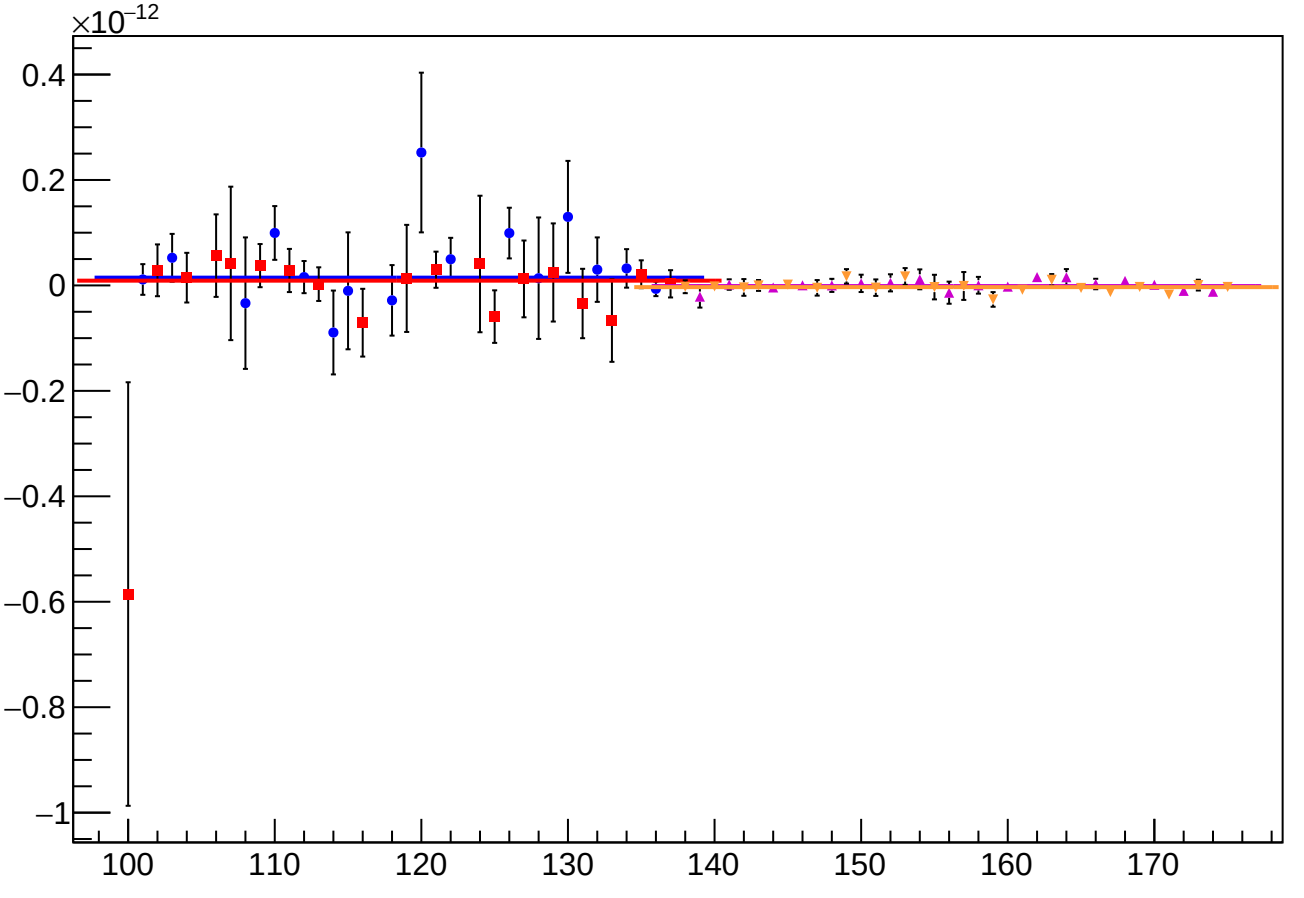
Left: 24.436+/-0.004 χ^2/NDF: 10970604.1/37

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.537+/-0.004 χ^2/NDF:8581606.0/33

Out: 27.632+/-0.005 χ^2/NDF:7115919.9/38

All: 25.378+/-0.003 χ^2/NDF: 16112108.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

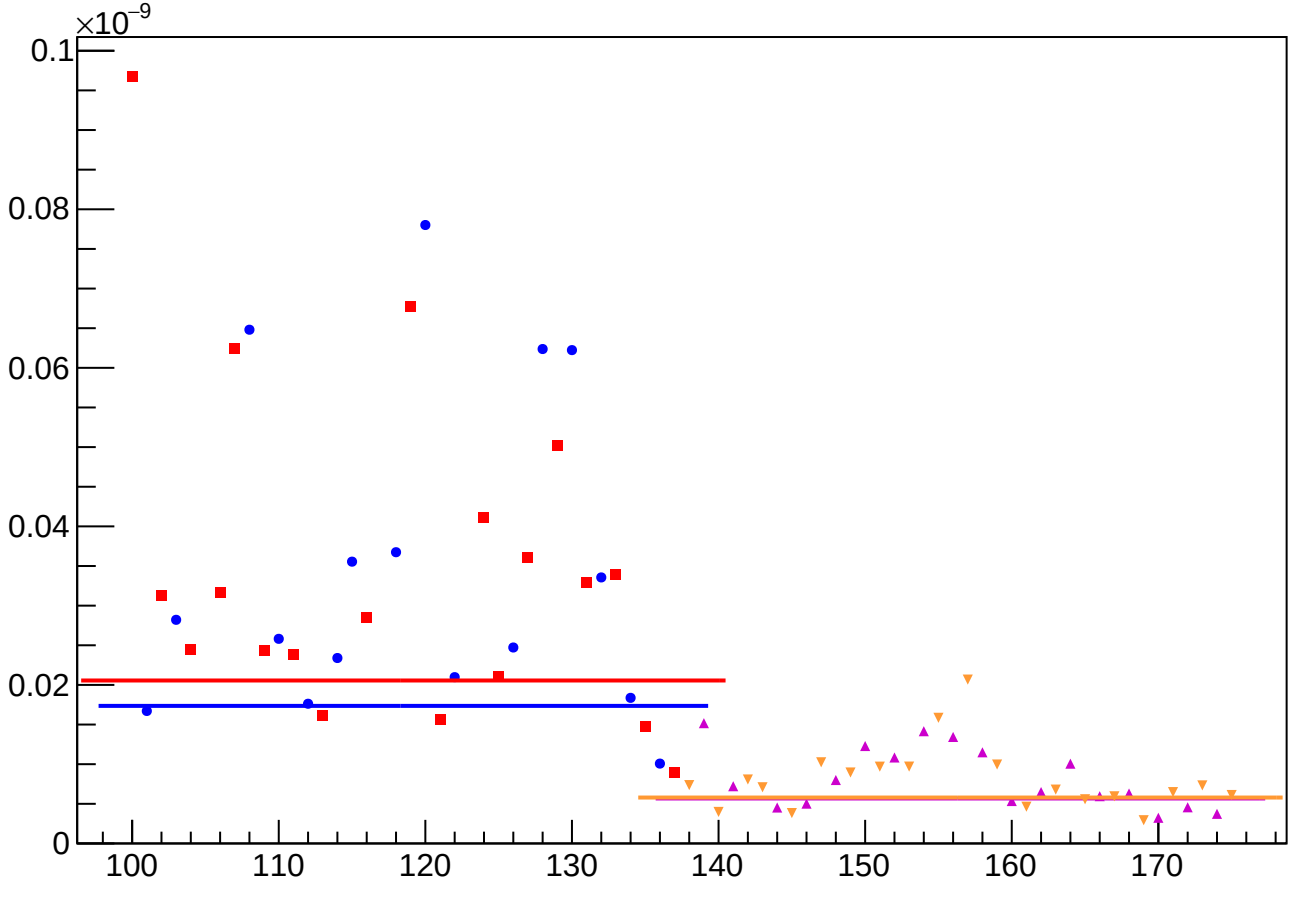
Left: -0.000+/-0.000 χ^2/NDF: 27.3/37

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:32.2/33

Out: -0.000+/-0.000 χ^2/NDF:23.6/38

All: -0.000+/-0.000 χ^2/NDF: 56.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2800875.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2940092.9/17

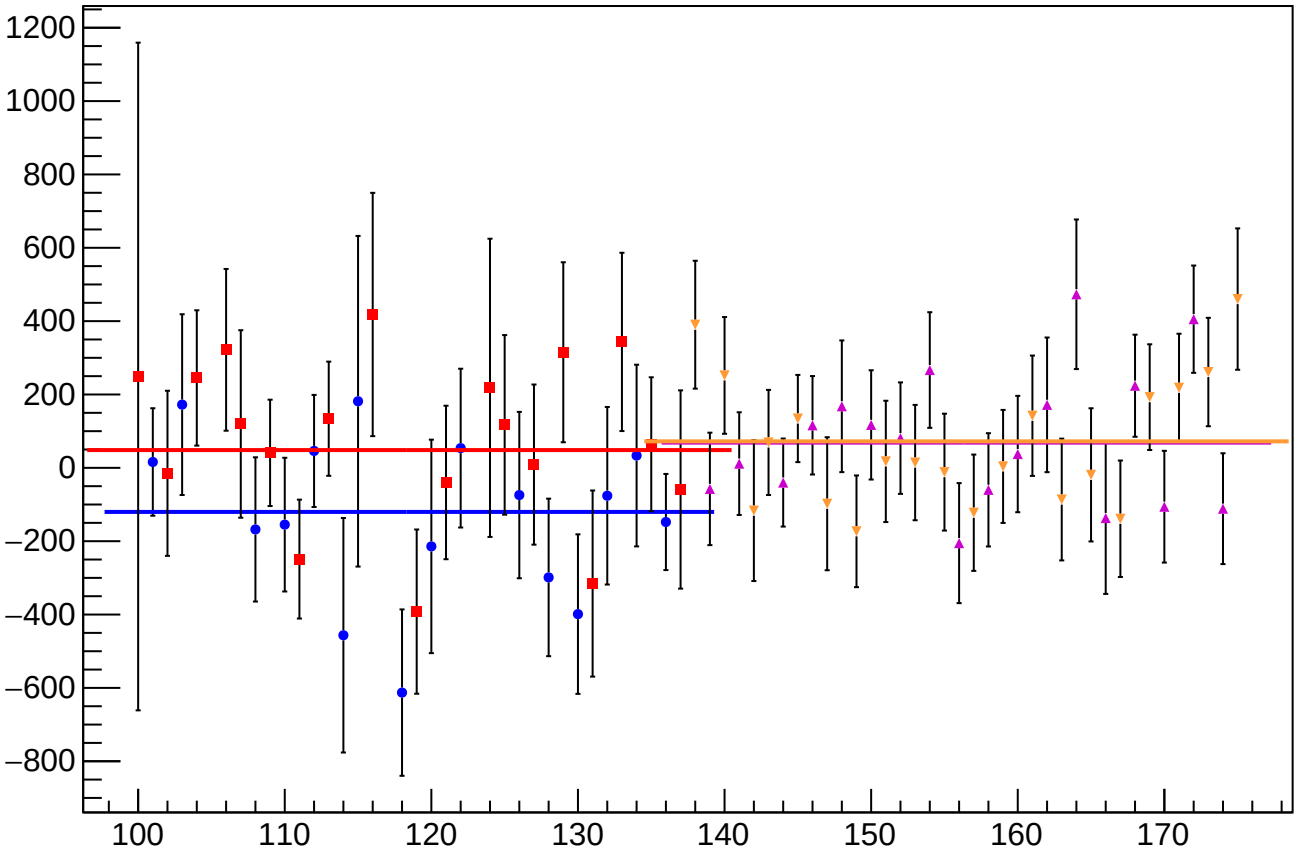
Left: 0.000+/-0.000 χ^2/NDF: 5744032.4/37

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

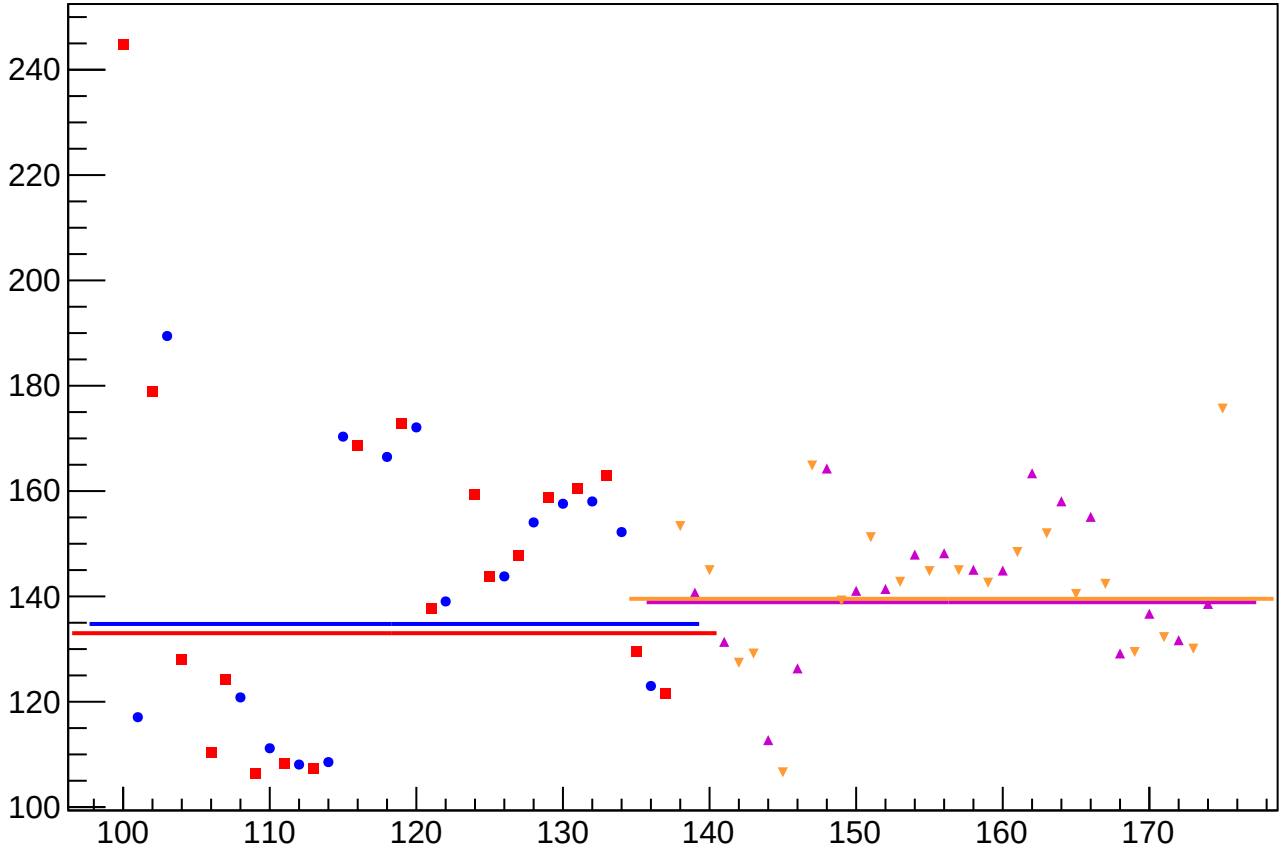
In: 0.000+/-0.000 χ^2/NDF:8281328.2/33

Out: 0.000+/-0.000 χ^2/NDF:8303353.5/38

All: 0.000+/-0.000 χ^2/NDF: 16586410.1/72


reg_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.159+/-51.103 χ²/NDF: 13.4/15
Left Out: 72.251+/-35.330 χ²/NDF:22.0/19
Right Out: 48.449+/-49.910 χ²/NDF: 17.0/18
Left In: 68.716+/-36.286 χ²/NDF:21.8/17
Left: 70.531+/-25.313 χ²/NDF: 43.9/37
Right: -33.863+/-35.706 χ²/NDF: 36.0/34
In: 5.408+/-29.586 χ²/NDF:44.3/33
Out: 64.306+/-28.836 χ²/NDF:39.2/38
All: 35.613+/-20.650 χ²/NDF: 85.5/72

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

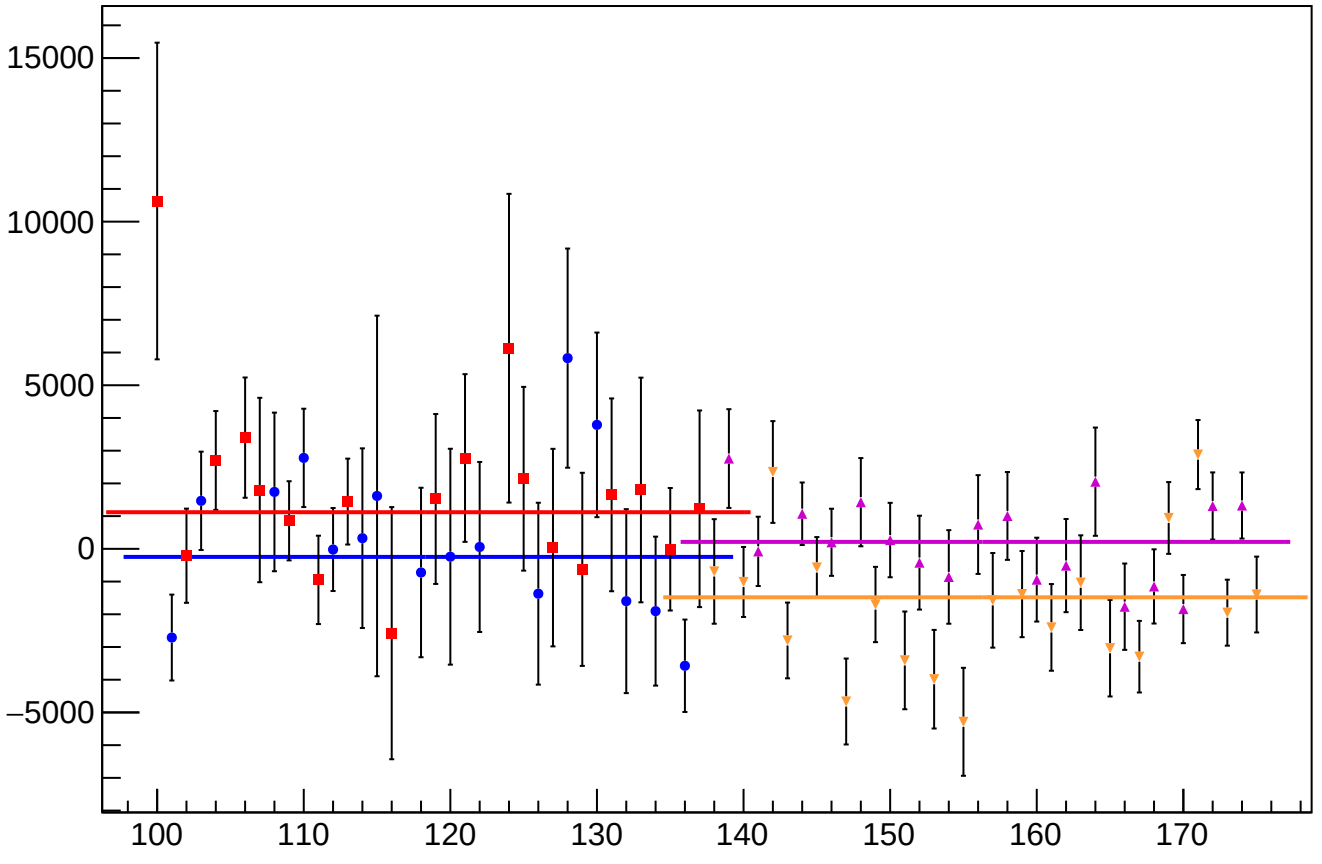
Left: 139.233+/-0.018 χ^2/NDF: 612697.3/37

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.517+/-0.021 χ^2/NDF:684850.0/33

Out: 137.369+/-0.020 χ^2/NDF:871502.1/38

All: 137.441+/-0.015 χ^2/NDF: 1556377.9/72



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1481.364+/-277.059 χ^2/NDF:51.1/19

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 212.558+/-284.663 χ^2/NDF:18.0/17

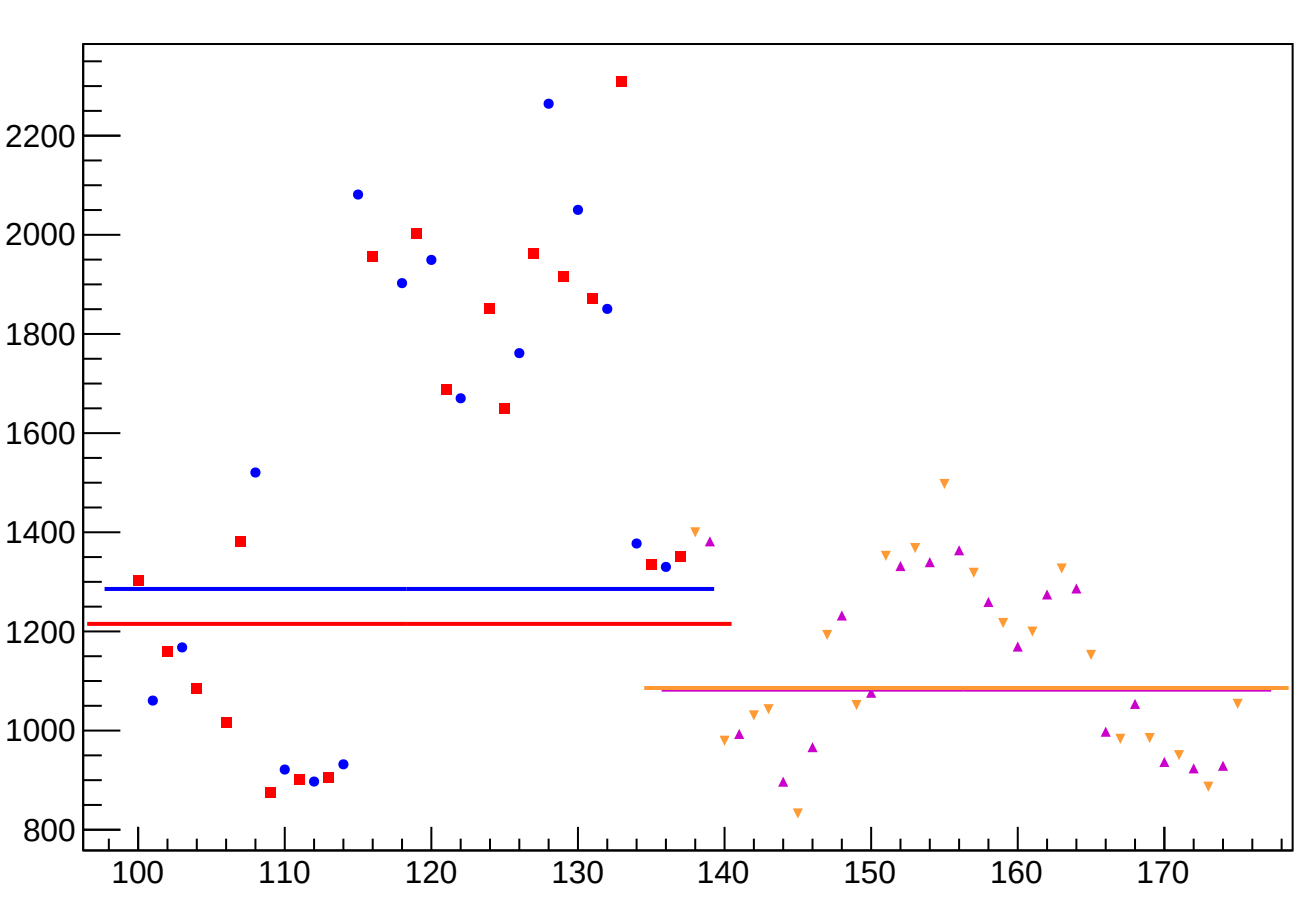
Left: -657.328+/-198.544 χ^2/NDF: 87.3/37

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 100.699+/-247.551 χ^2/NDF:40.3/33

Out: -807.265+/-238.466 χ^2/NDF:87.3/38

All: -370.250+/-171.743 χ^2/NDF: 134.5/72



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816706.4/19

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1082.569+/-0.201 χ^2/NDF:666583.3/17

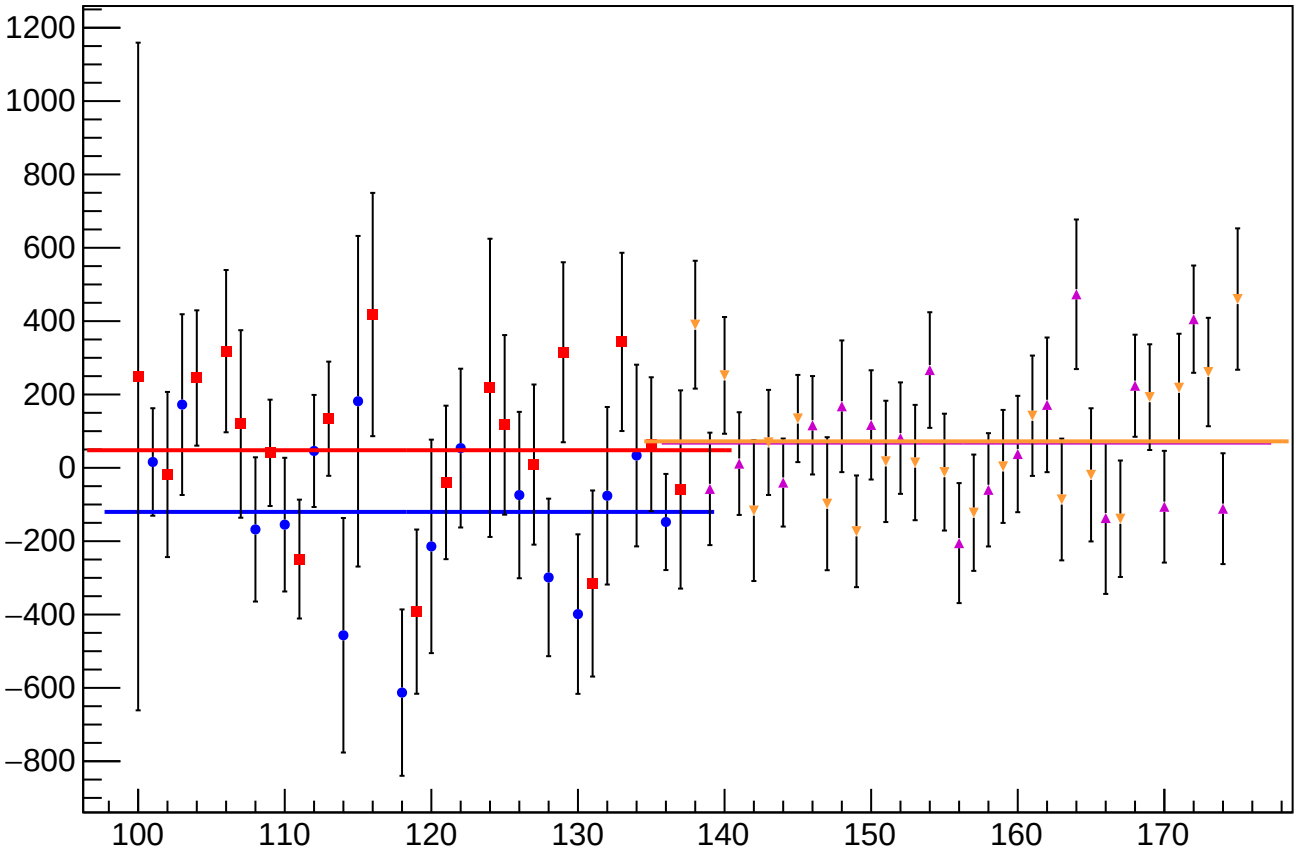
Left: 1084.290+/-0.140 χ^2/NDF: 1483432.2/37

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

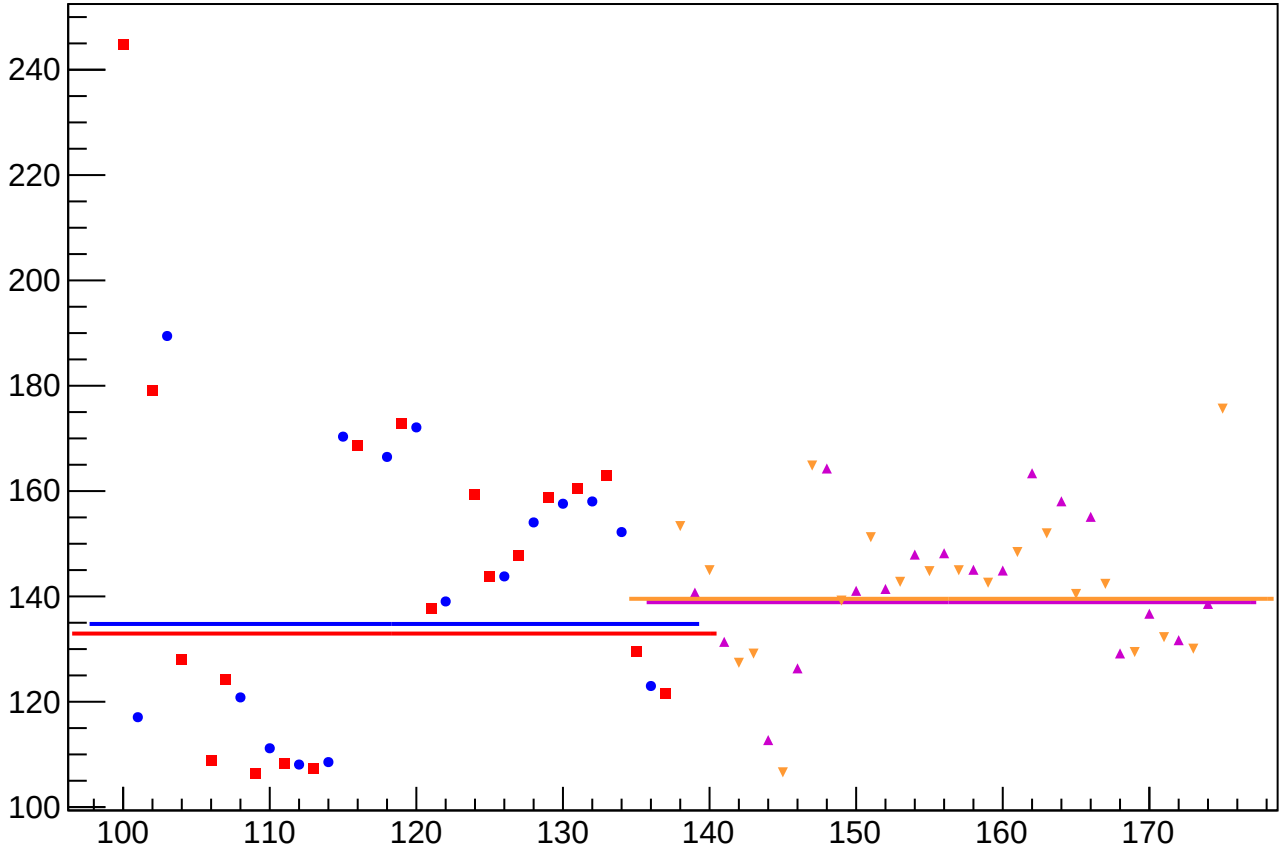
In: 1132.074+/-0.175 χ^2/NDF:2085174.9/33

Out: 1119.439+/-0.169 χ^2/NDF:2315926.1/38

All: 1125.520+/-0.121 χ^2/NDF: 4403803.4/72


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 72.256+/-35.330 χ²/NDF:22.0/19
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 68.715+/-36.286 χ²/NDF:21.8/17
Left: 70.533+/-25.313 χ²/NDF: 43.9/37
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 5.404+/-29.586 χ²/NDF:44.3/33
Out: 64.165+/-28.838 χ²/NDF:39.1/38
All: 35.537+/-20.651 χ²/NDF: 85.5/72

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

Left: 139.233+/-0.018 χ^2/NDF: 612697.3/37

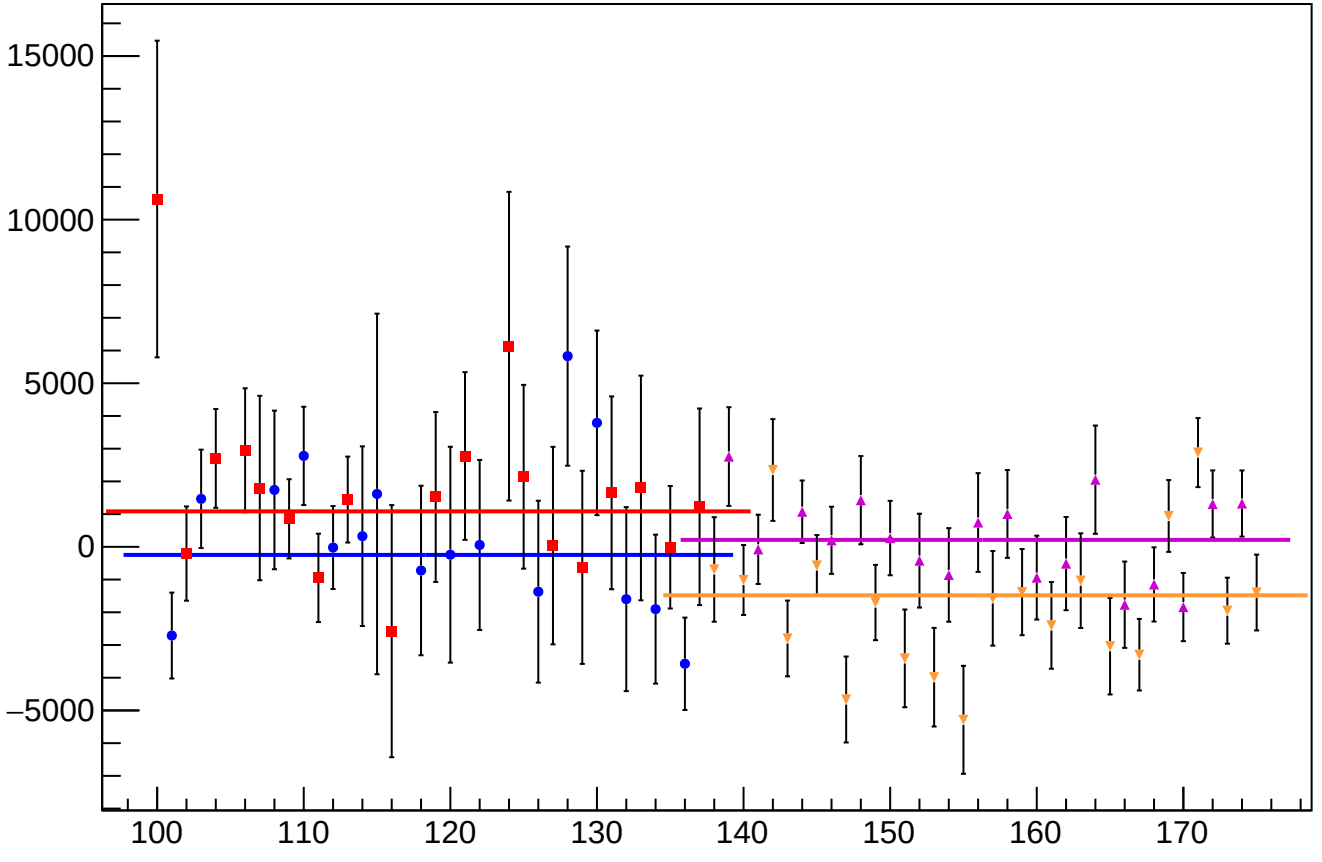
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.517+/-0.021 χ^2/NDF:684852.9/33

Out: 137.345+/-0.020 χ^2/NDF:875138.3/38

All: 137.429+/-0.015 χ^2/NDF: 1560026.0/72

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 212.565+/-284.663 χ^2/NDF:18.0/17

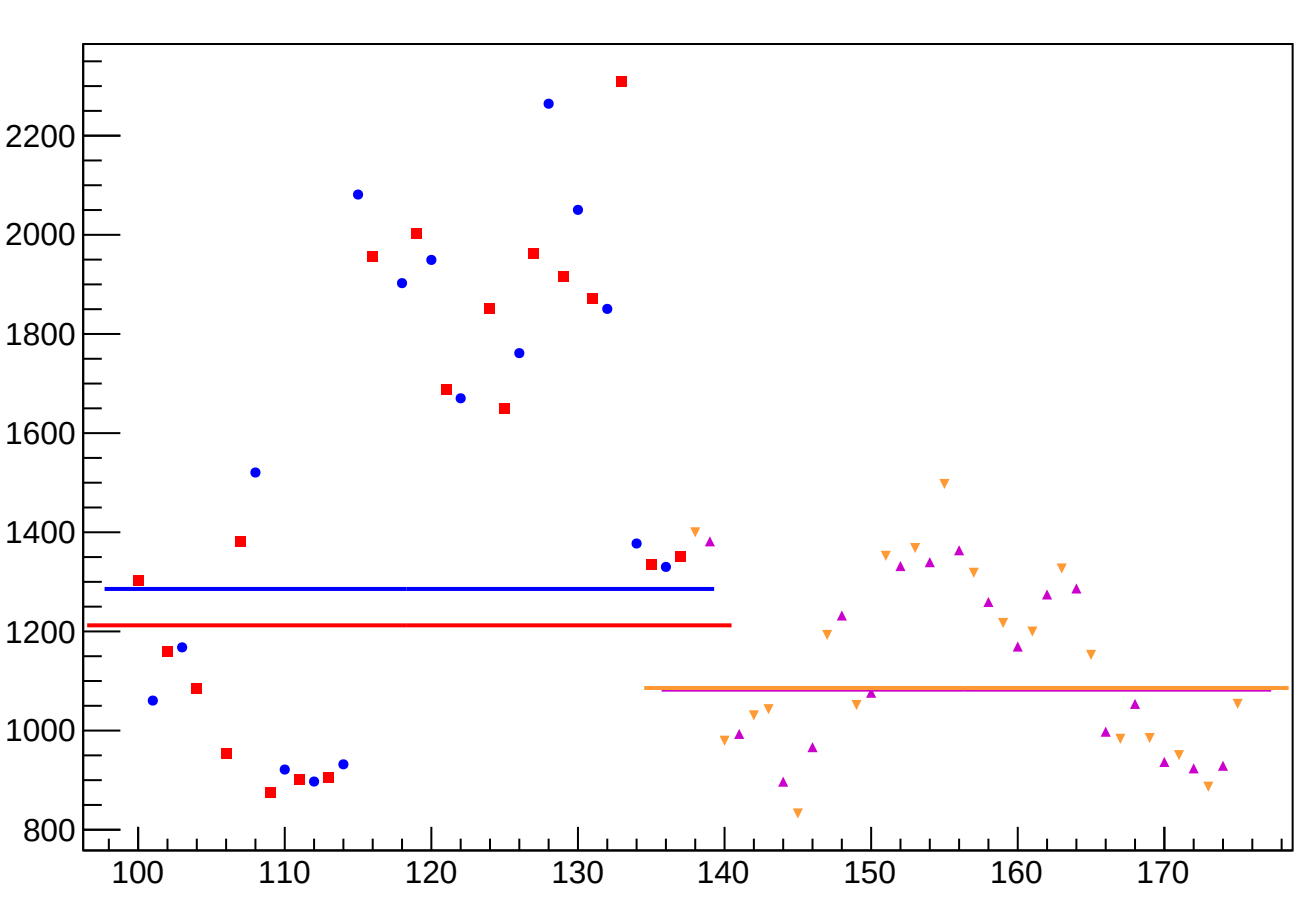
Left: -657.323+/-198.544 χ^2/NDF: 87.3/37

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 100.689+/-247.552 χ^2/NDF:40.3/33

Out: -818.356+/-238.587 χ^2/NDF:86.0/38

All: -375.775+/-171.789 χ^2/NDF: 133.4/72



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1082.569+/-0.201 χ^2/NDF:666583.4/17

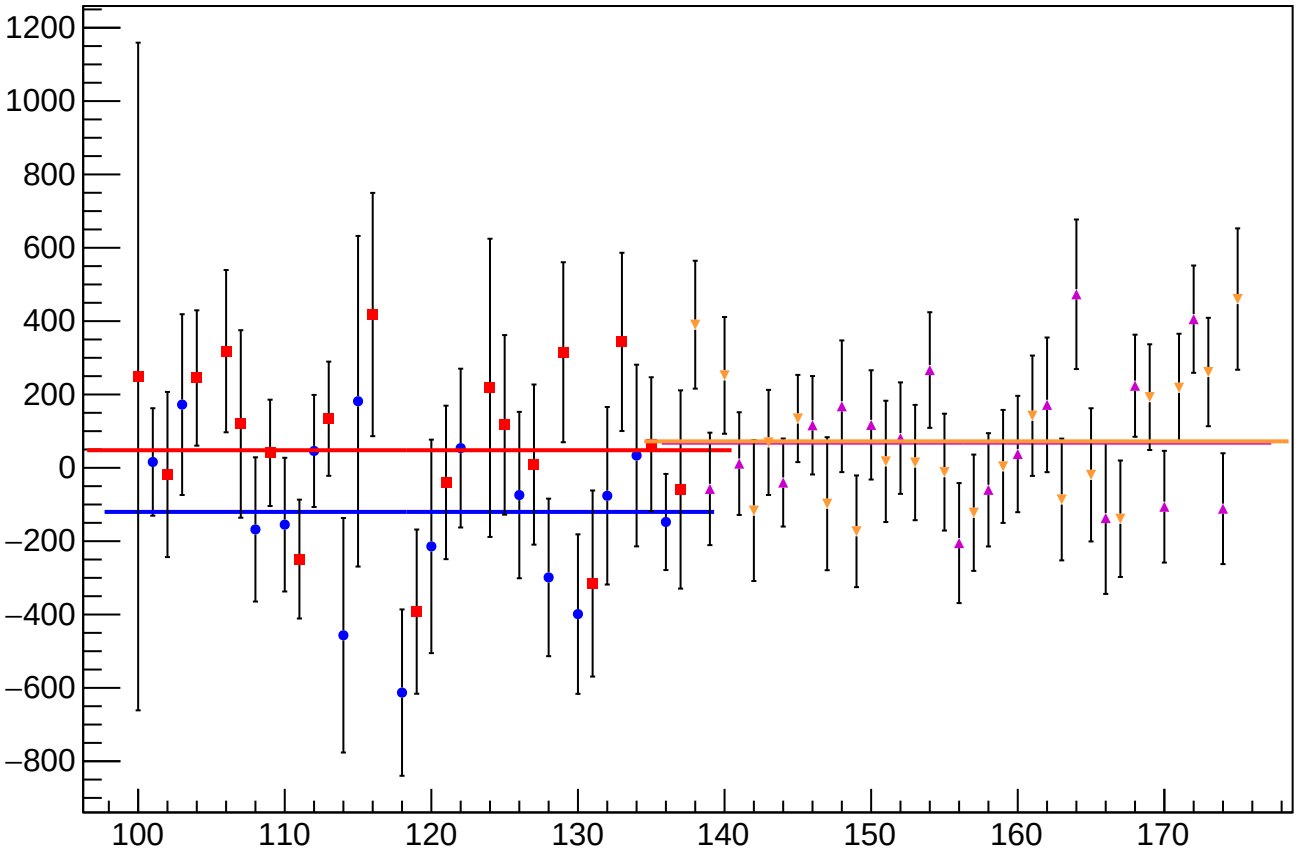
Left: 1084.290+/-0.140 χ^2/NDF: 1483433.1/37

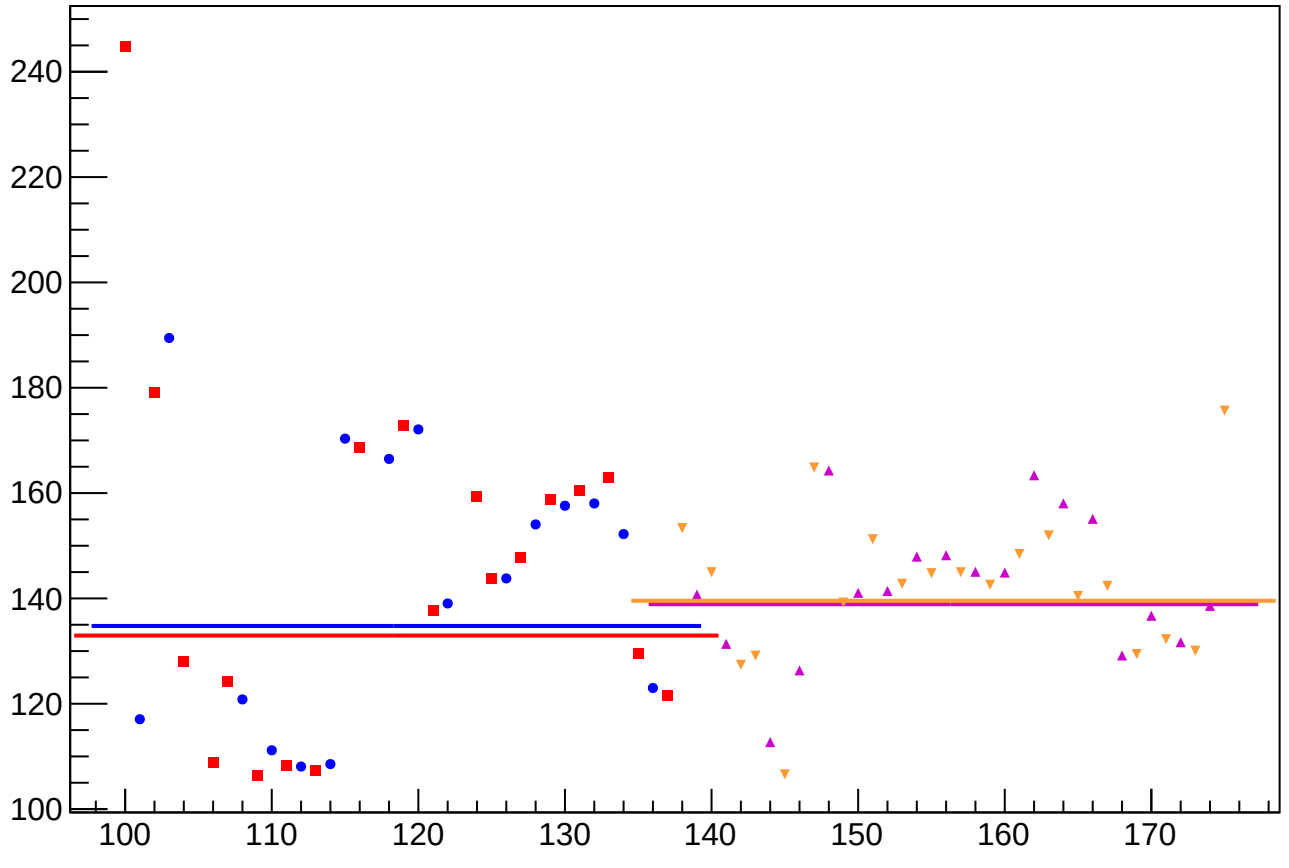
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1132.076+/-0.175 χ^2/NDF:2085179.6/33

Out: 1118.575+/-0.169 χ^2/NDF:2324844.7/38

All: 1125.077+/-0.121 χ^2/NDF: 4413108.2/72


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 72.256+/-35.330 χ²/NDF:22.0/19
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 68.715+/-36.286 χ²/NDF:21.8/17
Left: 70.533+/-25.313 χ²/NDF: 43.9/37
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 5.404+/-29.586 χ²/NDF:44.3/33
Out: 64.165+/-28.838 χ²/NDF:39.1/38
All: 35.537+/-20.651 χ²/NDF: 85.5/72



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

Left: 139.233+/-0.018 χ^2/NDF: 612697.3/37

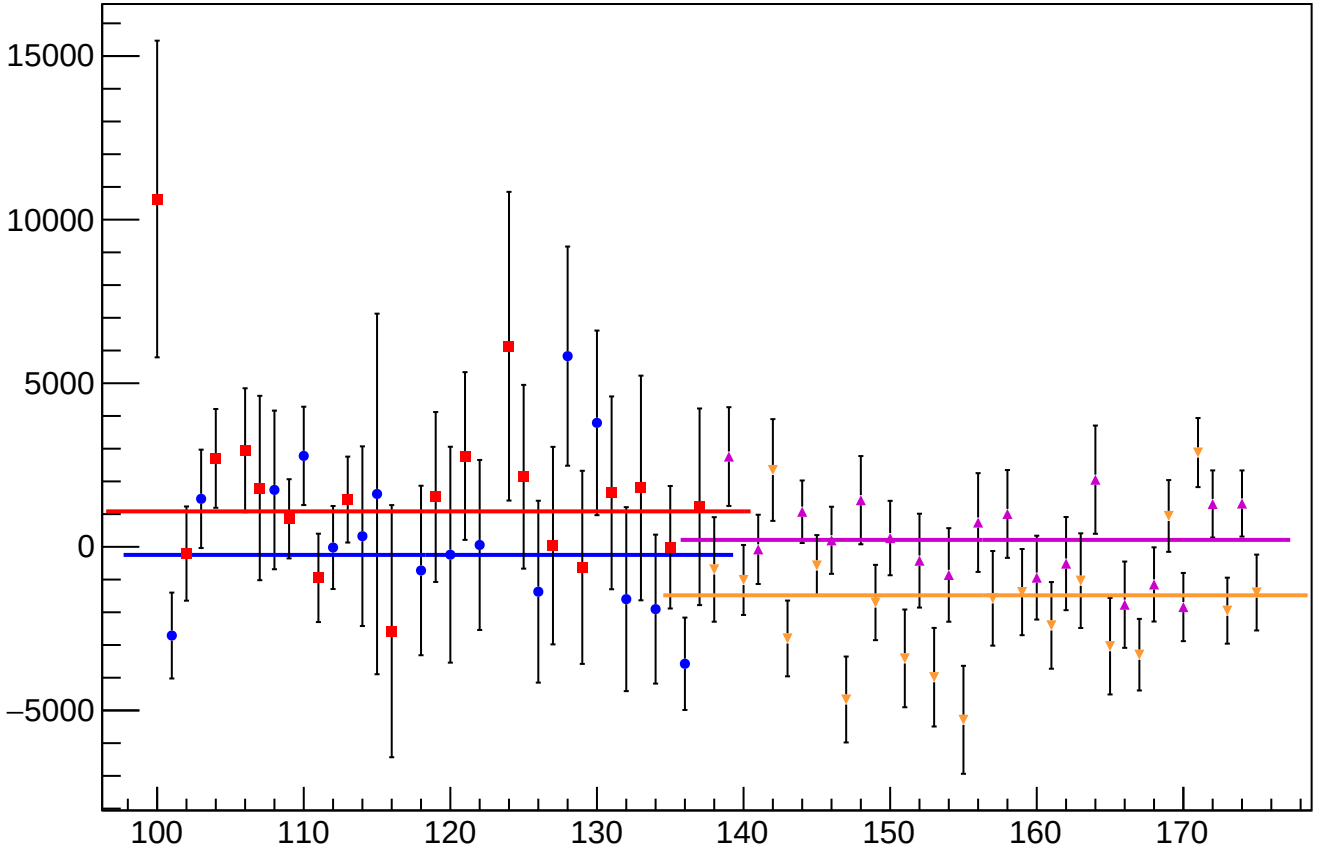
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.517+/-0.021 χ^2/NDF:684852.9/33

Out: 137.345+/-0.020 χ^2/NDF:875138.3/38

All: 137.429+/-0.015 χ^2/NDF: 1560026.0/72

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 212.565+/-284.663 χ^2/NDF:18.0/17

Left: -657.323+/-198.544 χ^2/NDF: 87.3/37

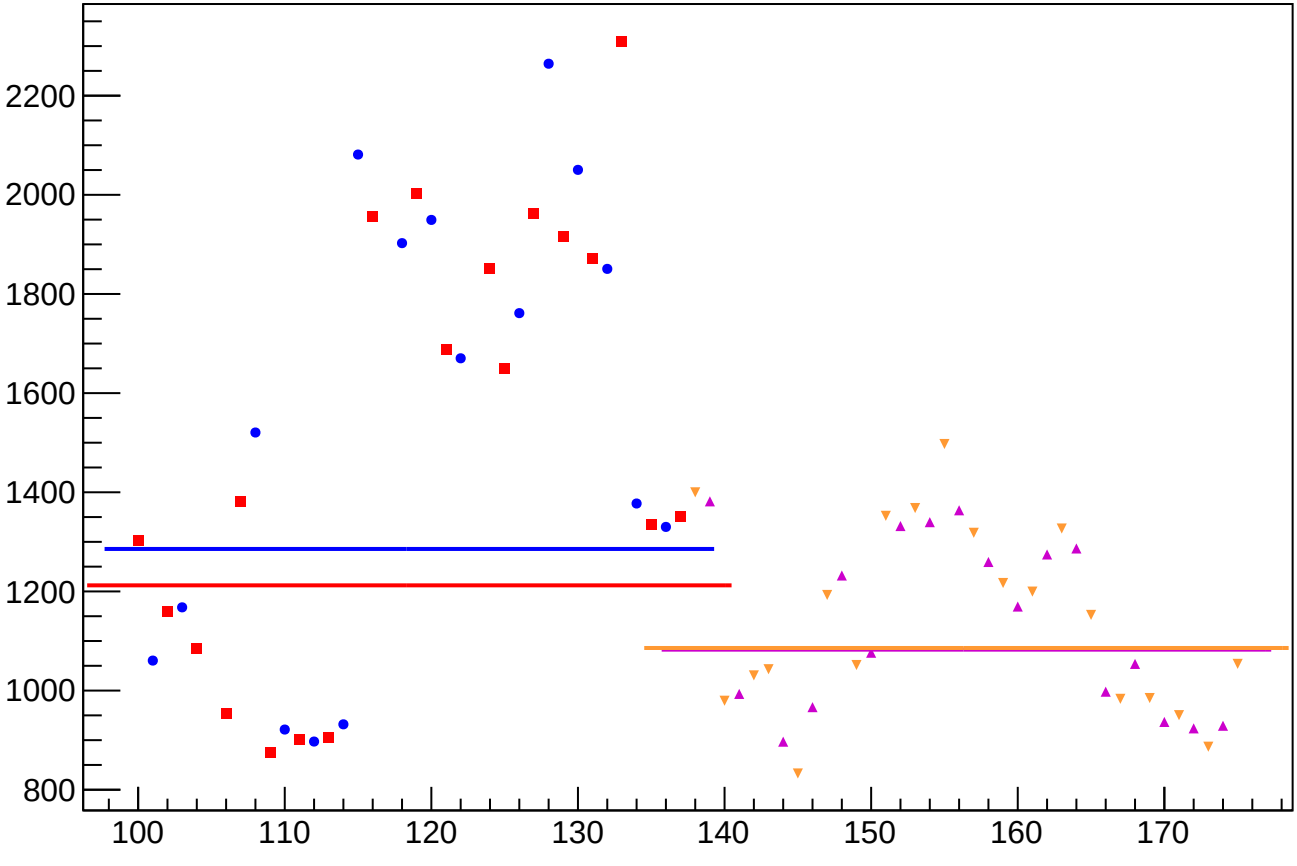
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 100.689+/-247.552 χ^2/NDF:40.3/33

Out: -818.356+/-238.587 χ^2/NDF:86.0/38

All: -375.775+/-171.789 χ^2/NDF: 133.4/72

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1082.569+/-0.201 χ^2/NDF:666583.4/17

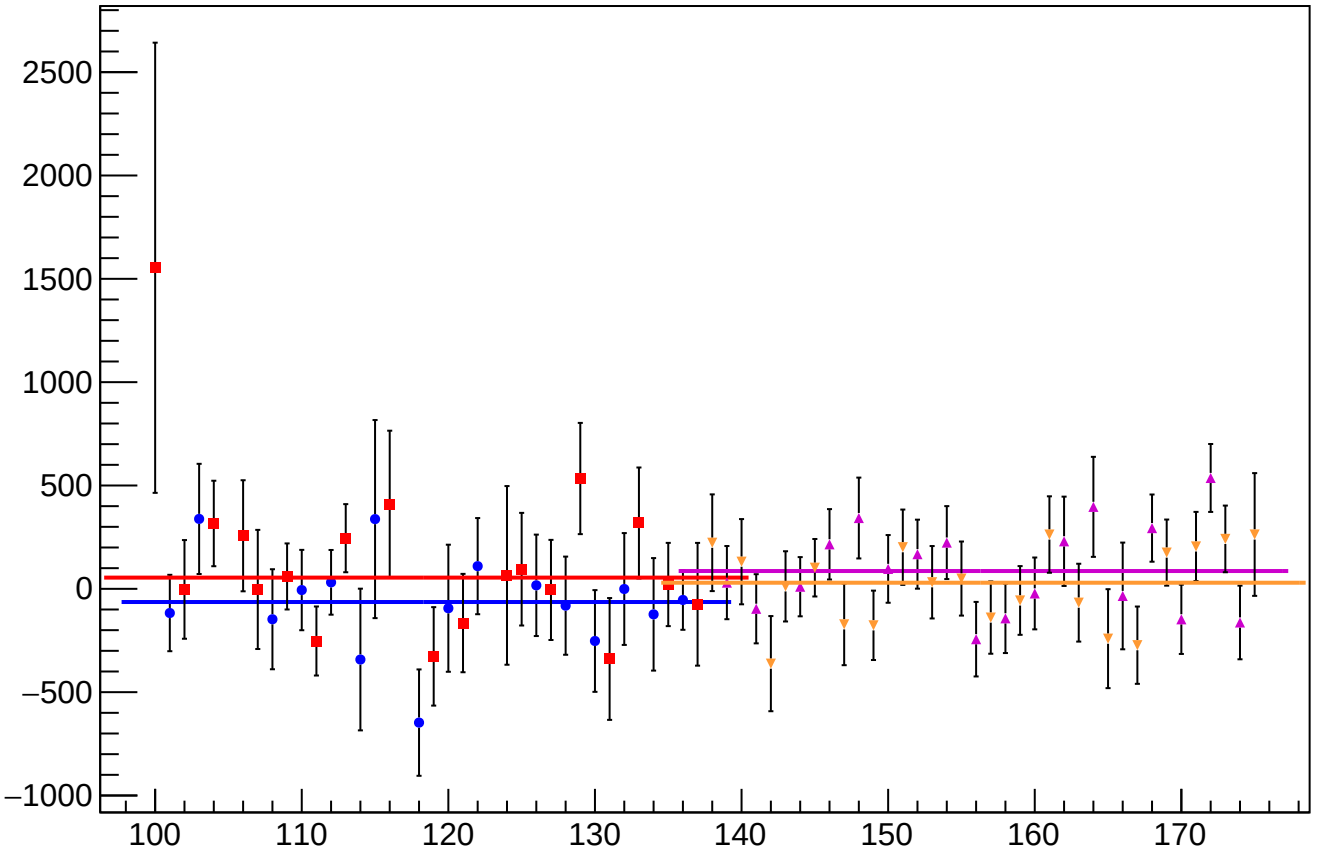
Left: 1084.290+/-0.140 χ^2/NDF: 1483433.1/37

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1132.076+/-0.175 χ^2/NDF:2085179.6/33

Out: 1118.575+/-0.169 χ^2/NDF:2324844.7/38

All: 1125.077+/-0.121 χ^2/NDF: 4413108.2/72



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.540+/-40.864 χ^2/NDF:18.8/19

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 86.156+/-41.635 χ^2/NDF:25.6/17

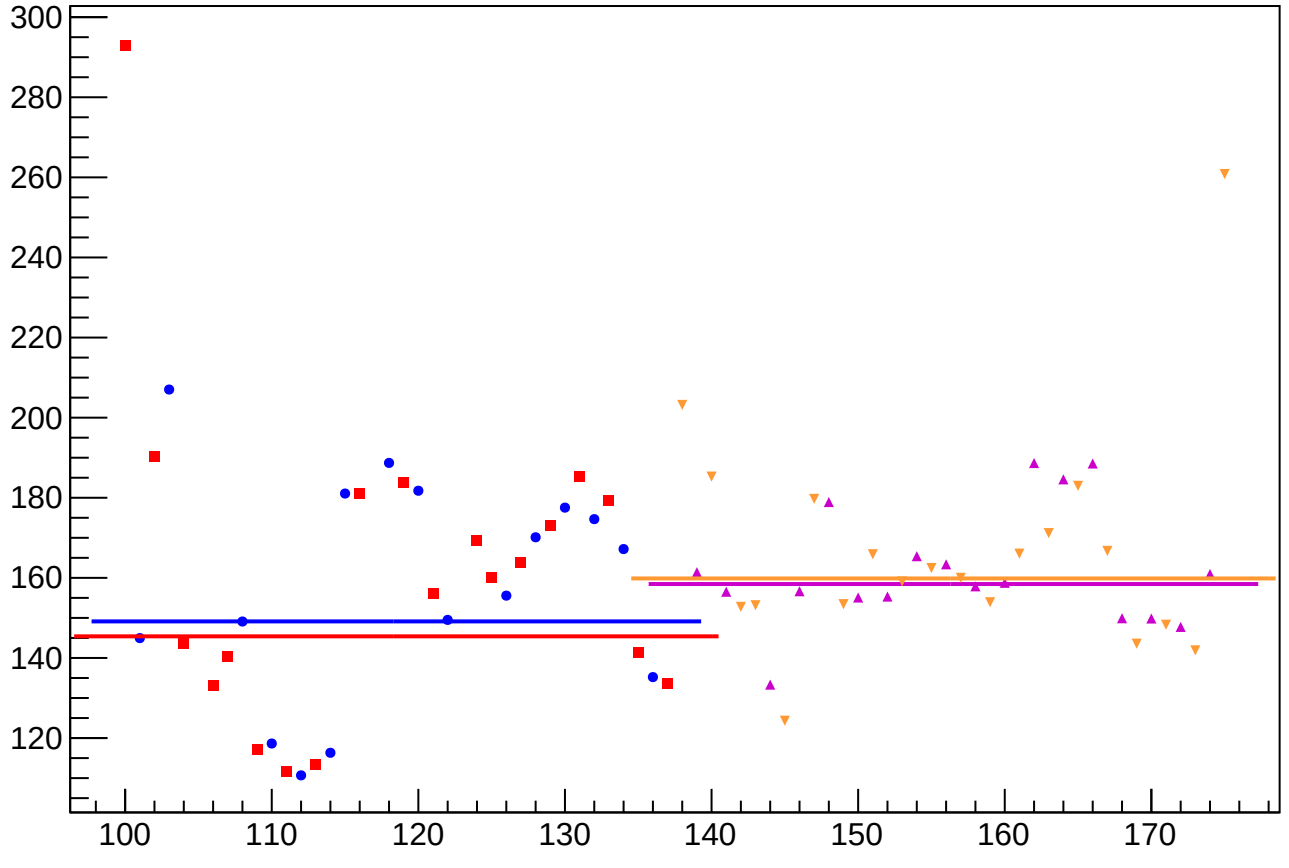
Left: 57.319+/-29.164 χ^2/NDF: 45.4/37

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 33.672+/-33.566 χ^2/NDF:41.0/33

Out: 38.402+/-32.746 χ^2/NDF:38.4/38

All: 36.095+/-23.440 χ^2/NDF: 79.4/72



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.854+/-0.029 χ^2/NDF:580031.8/19

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.460+/-0.029 χ^2/NDF:199885.9/17

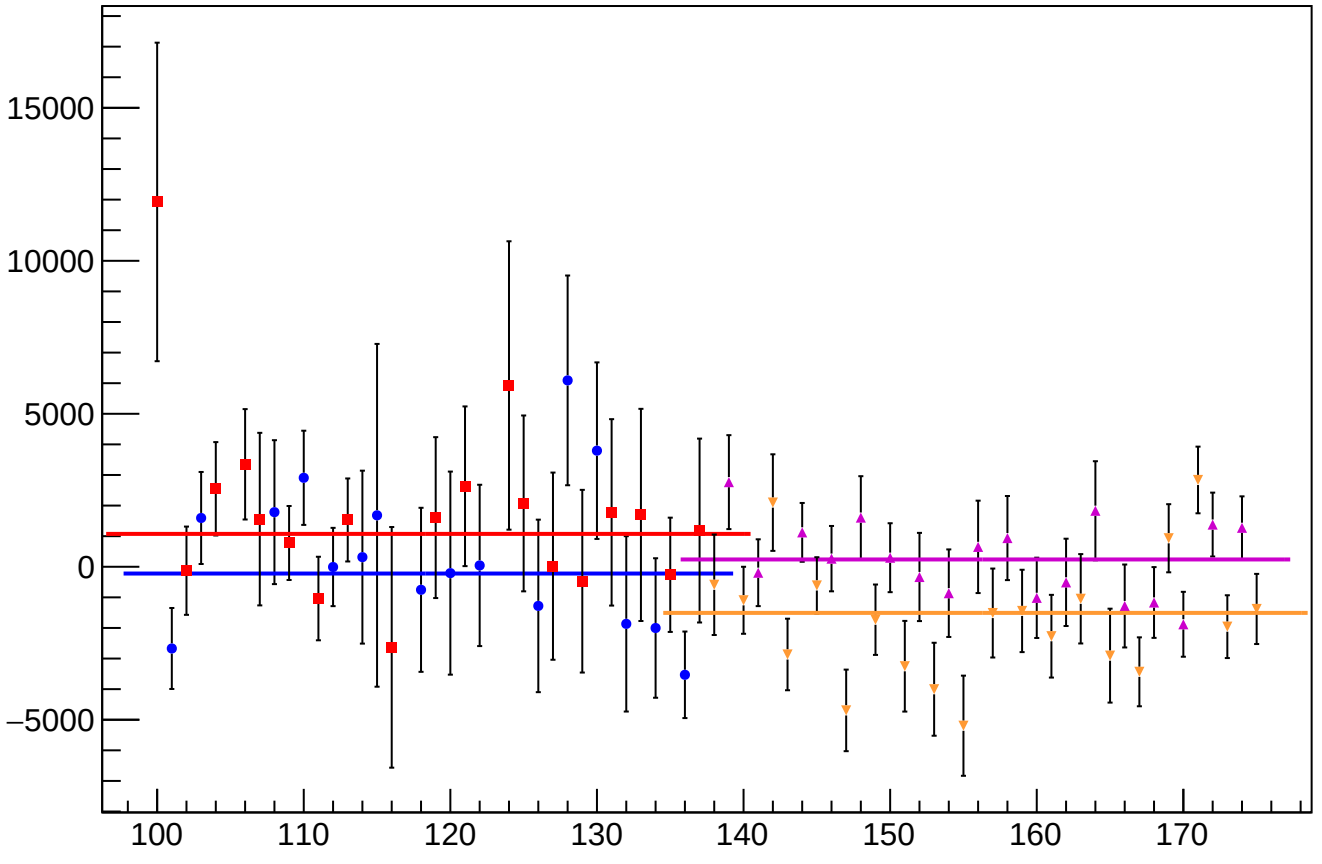
Left: 159.170+/-0.021 χ^2/NDF: 781060.1/37

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.194+/-0.024 χ^2/NDF:686040.5/33

Out: 154.682+/-0.023 χ^2/NDF:1195399.9/38

All: 154.932+/-0.017 χ^2/NDF: 1881679.2/72



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1507.575+/-280.549 χ^2/NDF:48.0/19

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 238.698+/-288.761 χ^2/NDF:16.9/17

Left: -659.624+/-201.219 χ^2/NDF: 83.7/37

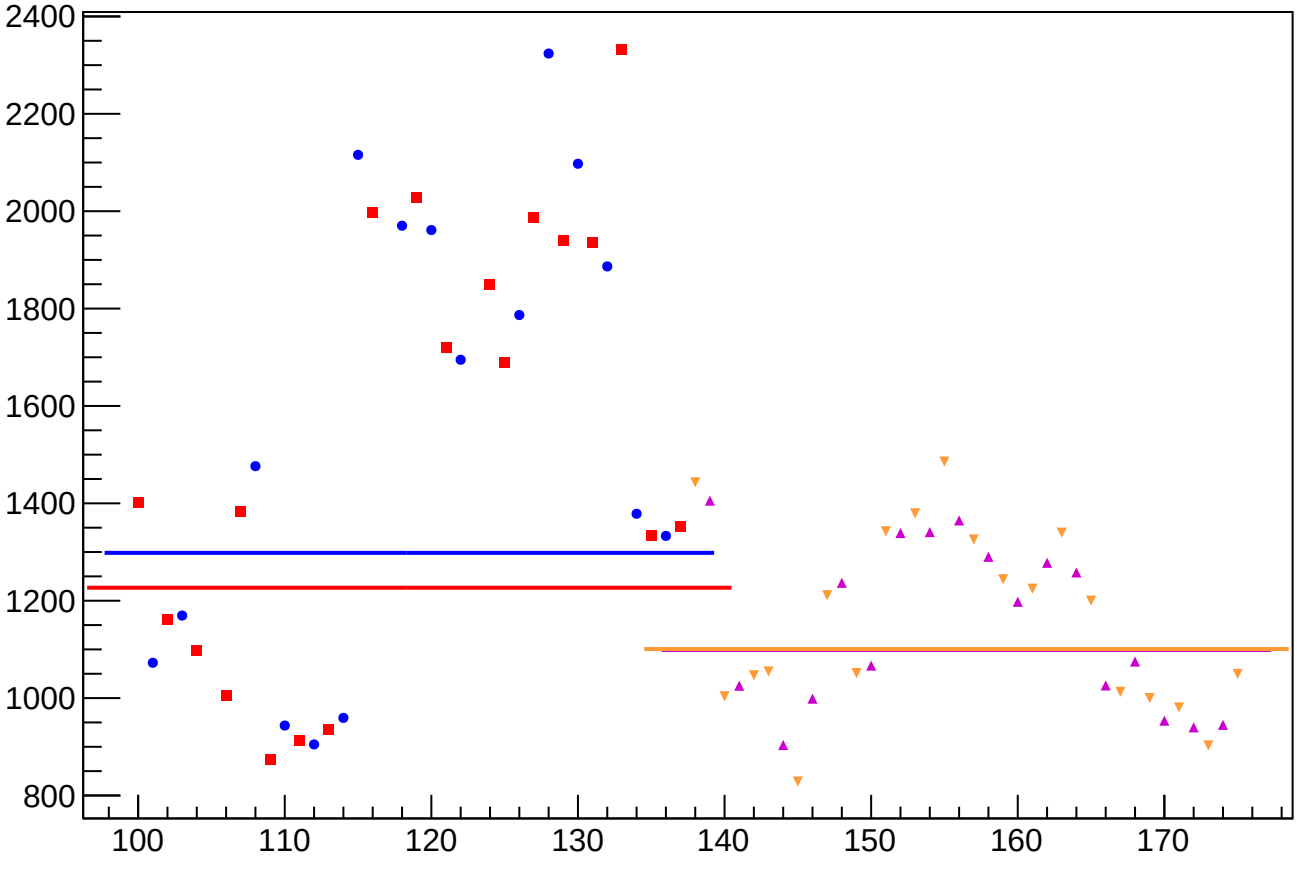
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 125.775+/-250.821 χ^2/NDF:39.4/33

Out: -835.234+/-241.273 χ^2/NDF:83.6/38

All: -373.369+/-173.883 χ^2/NDF: 130.7/72

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1100.774+/-0.198 χ^2/NDF:811119.9/19

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1098.831+/-0.204 χ^2/NDF:622483.7/17

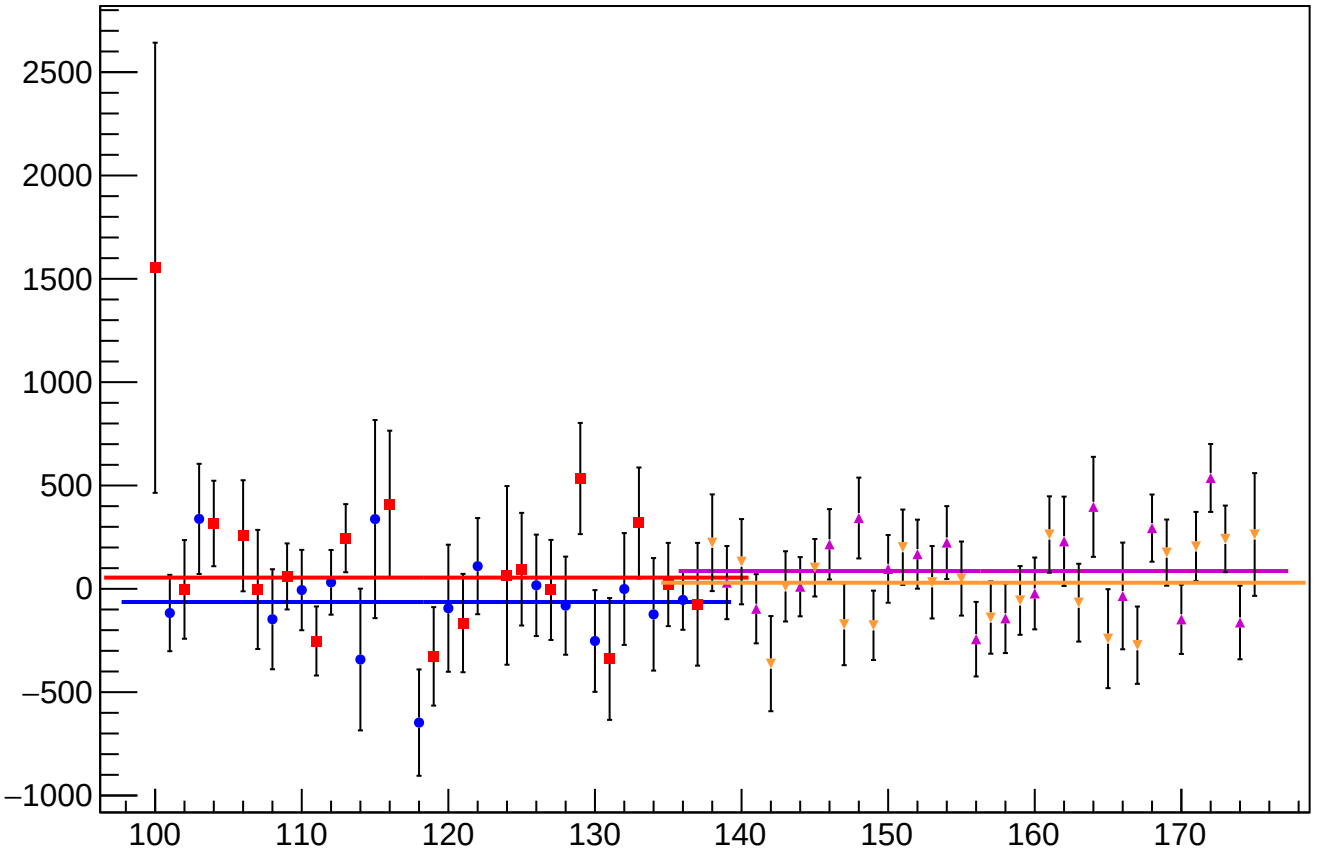
Left: 1099.830+/-0.142 χ^2/NDF: 1433650.2/37

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1147.802+/-0.177 χ^2/NDF:2038896.7/33

Out: 1133.572+/-0.171 χ^2/NDF:2320613.9/38

All: 1140.411+/-0.123 χ^2/NDF: 4362854.4/72



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.543+/-40.864 χ^2/NDF:18.8/19

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 86.156+/-41.635 χ^2/NDF:25.6/17

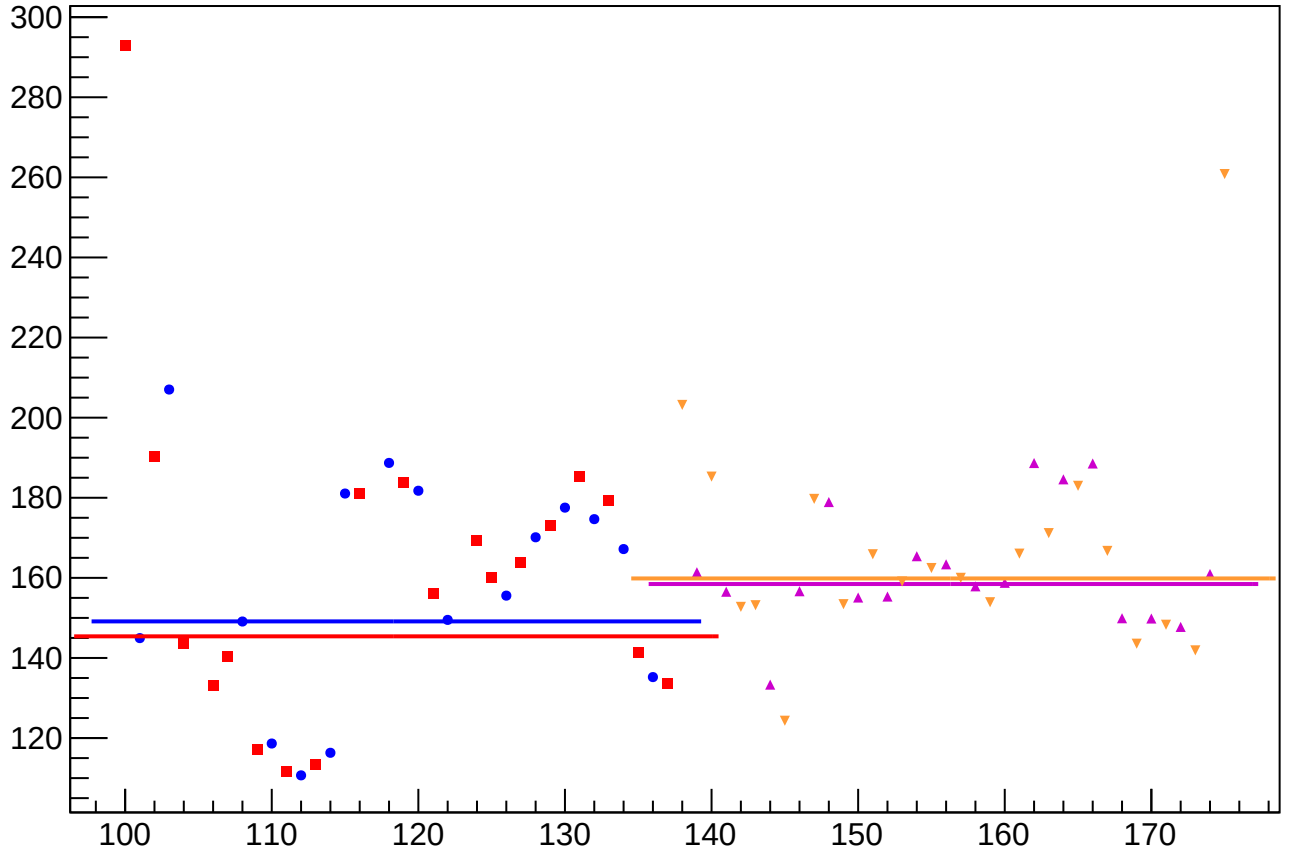
Left: 57.320+/-29.164 χ^2/NDF: 45.4/37

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 33.672+/-33.566 χ^2/NDF:41.0/33

Out: 38.403+/-32.746 χ^2/NDF:38.4/38

All: 36.096+/-23.440 χ^2/NDF: 79.4/72



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.854+/-0.029 χ^2/NDF:580026.5/19

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.460+/-0.029 χ^2/NDF:199884.6/17

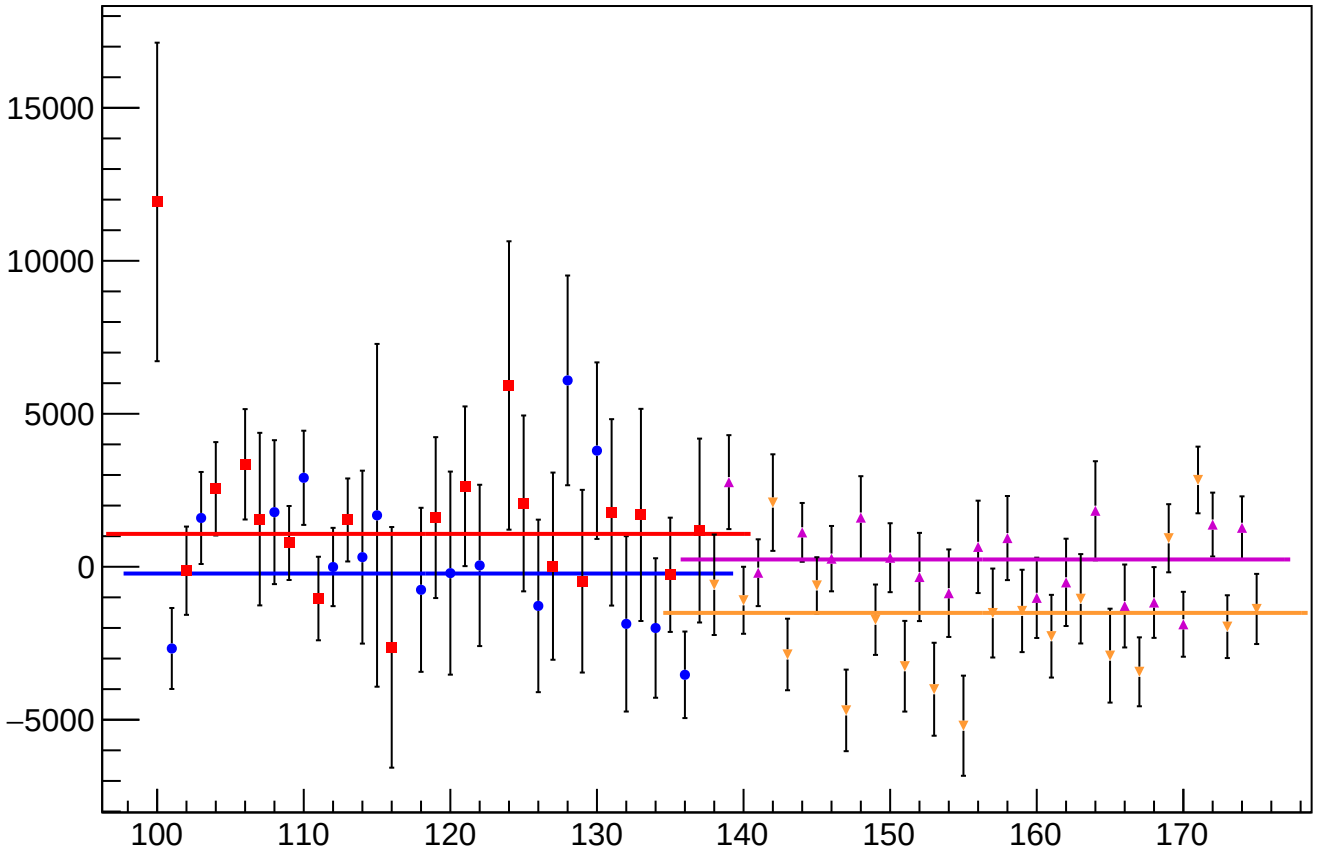
Left: 159.170+/-0.021 χ^2/NDF: 781053.8/37

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 155.194+/-0.024 χ^2/NDF:686042.9/33

Out: 154.682+/-0.023 χ^2/NDF:1195401.5/38

All: 154.932+/-0.017 χ^2/NDF: 1881683.1/72



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1507.572+/-280.548 χ^2/NDF:48.0/19

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 238.696+/-288.761 χ^2/NDF:16.9/17

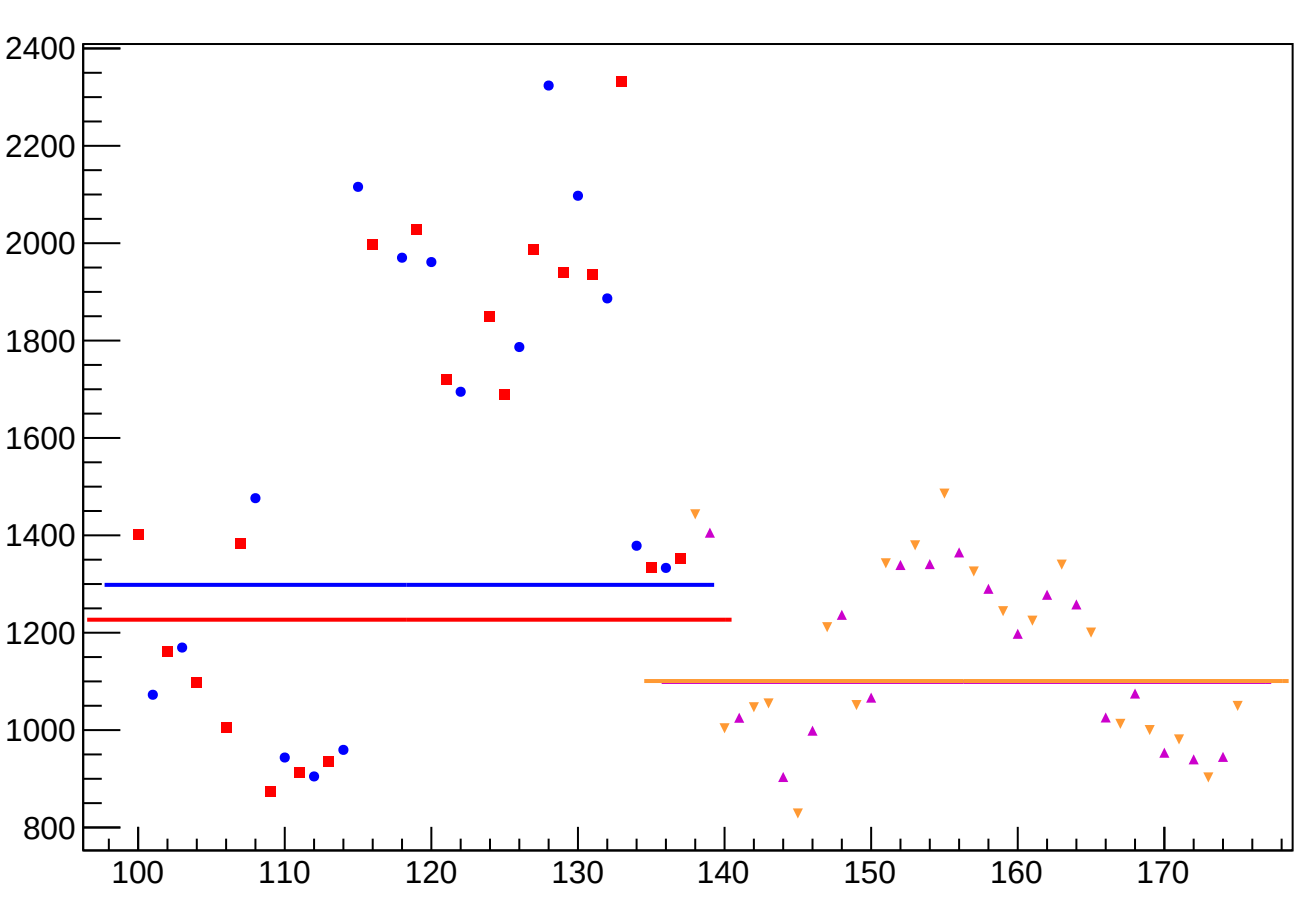
Left: -659.623+/-201.218 χ^2/NDF: 83.7/37

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 125.774+/-250.821 χ^2/NDF:39.4/33

Out: -835.232+/-241.273 χ^2/NDF:83.6/38

All: -373.368+/-173.883 χ^2/NDF: 130.7/72



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1100.772+/-0.198 χ^2/NDF:811123.9/19

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1098.829+/-0.204 χ^2/NDF:622485.0/17

Left: 1099.829+/-0.142 χ^2/NDF: 1433655.4/37

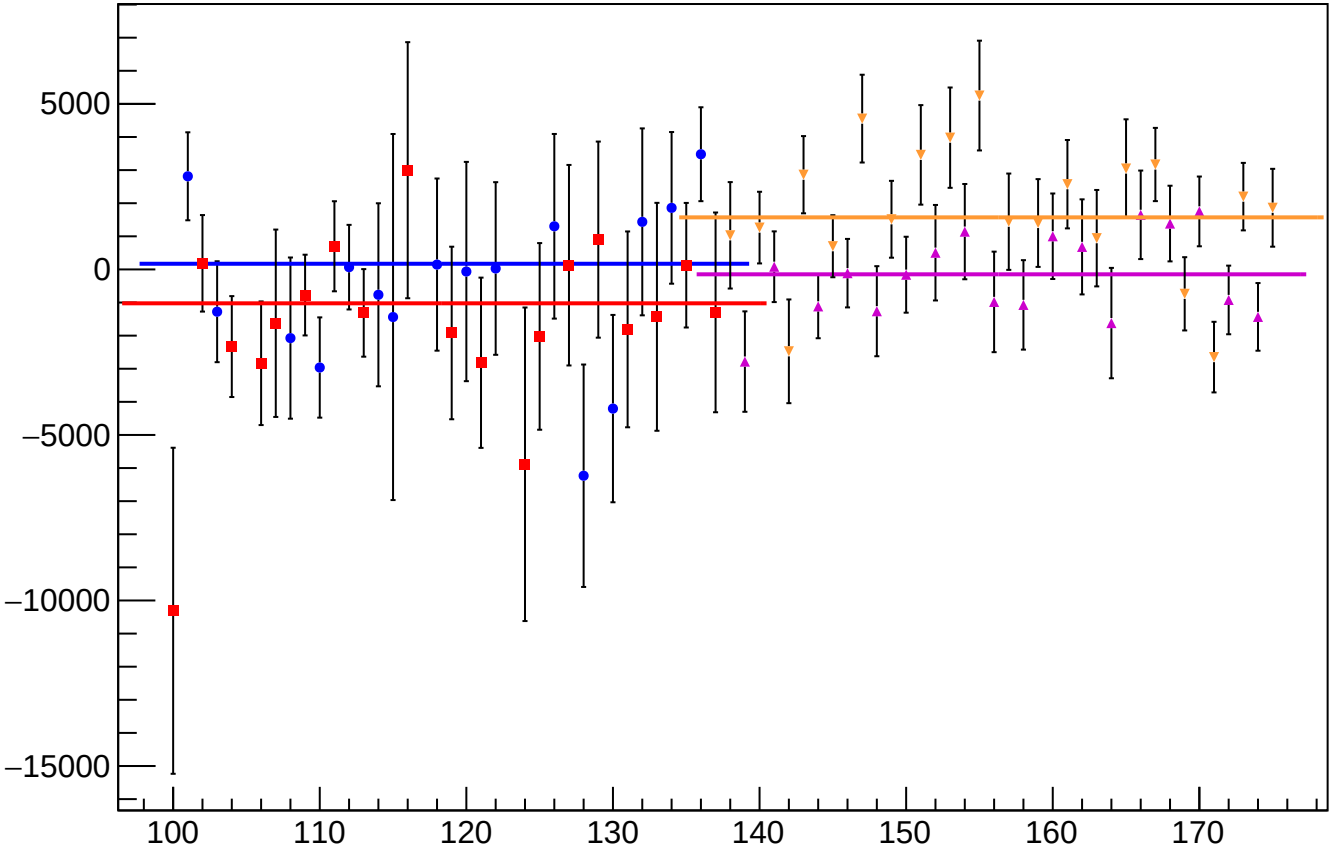
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1147.801+/-0.177 χ^2/NDF:2038903.4/33

Out: 1133.570+/-0.171 χ^2/NDF:2320621.7/38

All: 1140.409+/-0.123 χ^2/NDF: 4362868.9/72

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1572.503+/-279.508 χ^2/NDF:47.3/19

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -147.586+/-287.136 χ^2/NDF:17.4/17

Left: 735.610+/-200.284 χ^2/NDF: 83.2/37

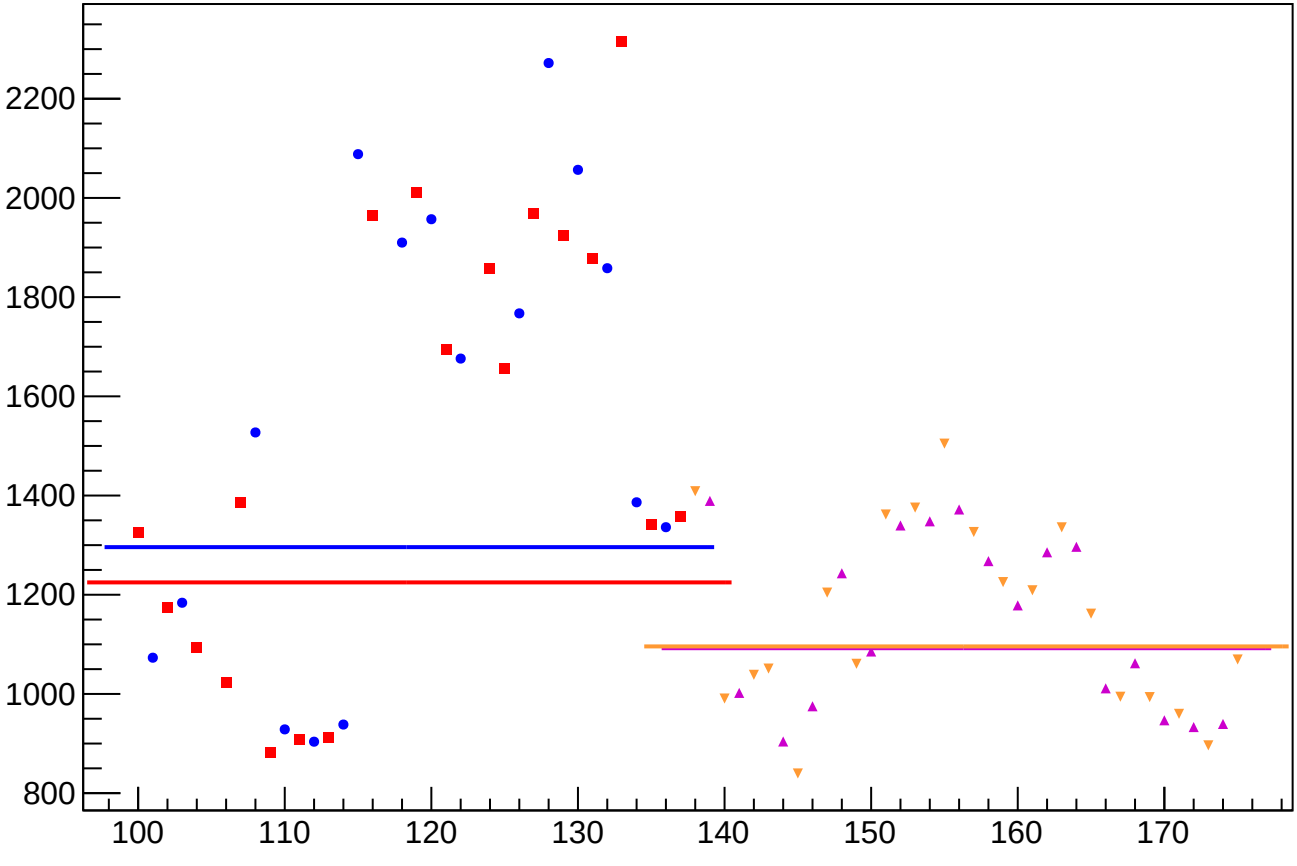
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -69.771+/-249.625 χ^2/NDF:40.3/33

Out: 898.470+/-240.503 χ^2/NDF:81.3/38

All: 432.364+/-173.197 χ^2/NDF: 129.4/72

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1095.818+/-0.198 χ^2/NDF:803369.3/19

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1092.224+/-0.203 χ^2/NDF:655065.2/17

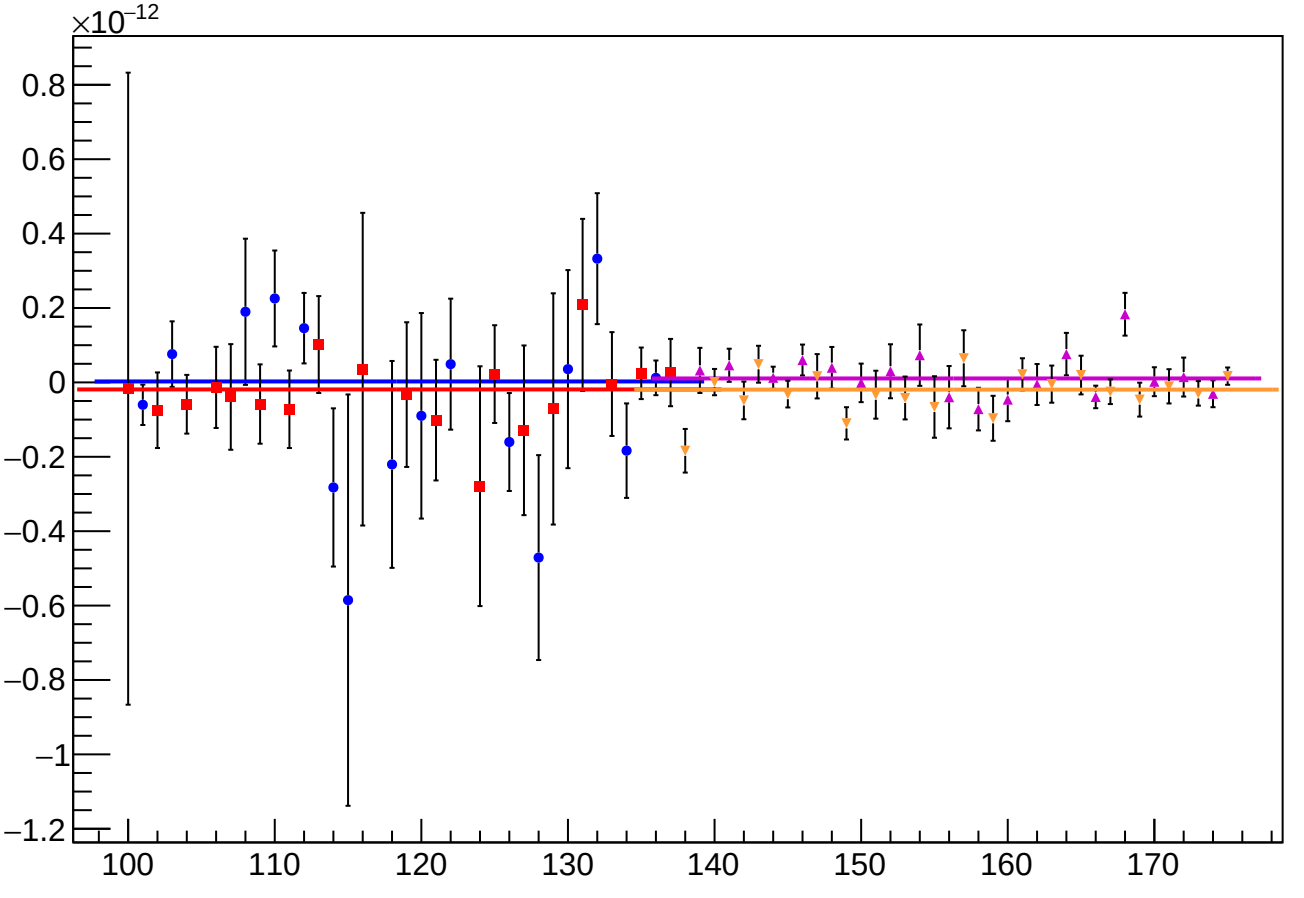
Left: 1094.069+/-0.142 χ^2/NDF: 1458595.4/37

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1141.984+/-0.177 χ^2/NDF:2055212.8/33

Out: 1129.323+/-0.170 χ^2/NDF:2285349.6/38

All: 1135.418+/-0.122 χ^2/NDF: 4343230.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

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

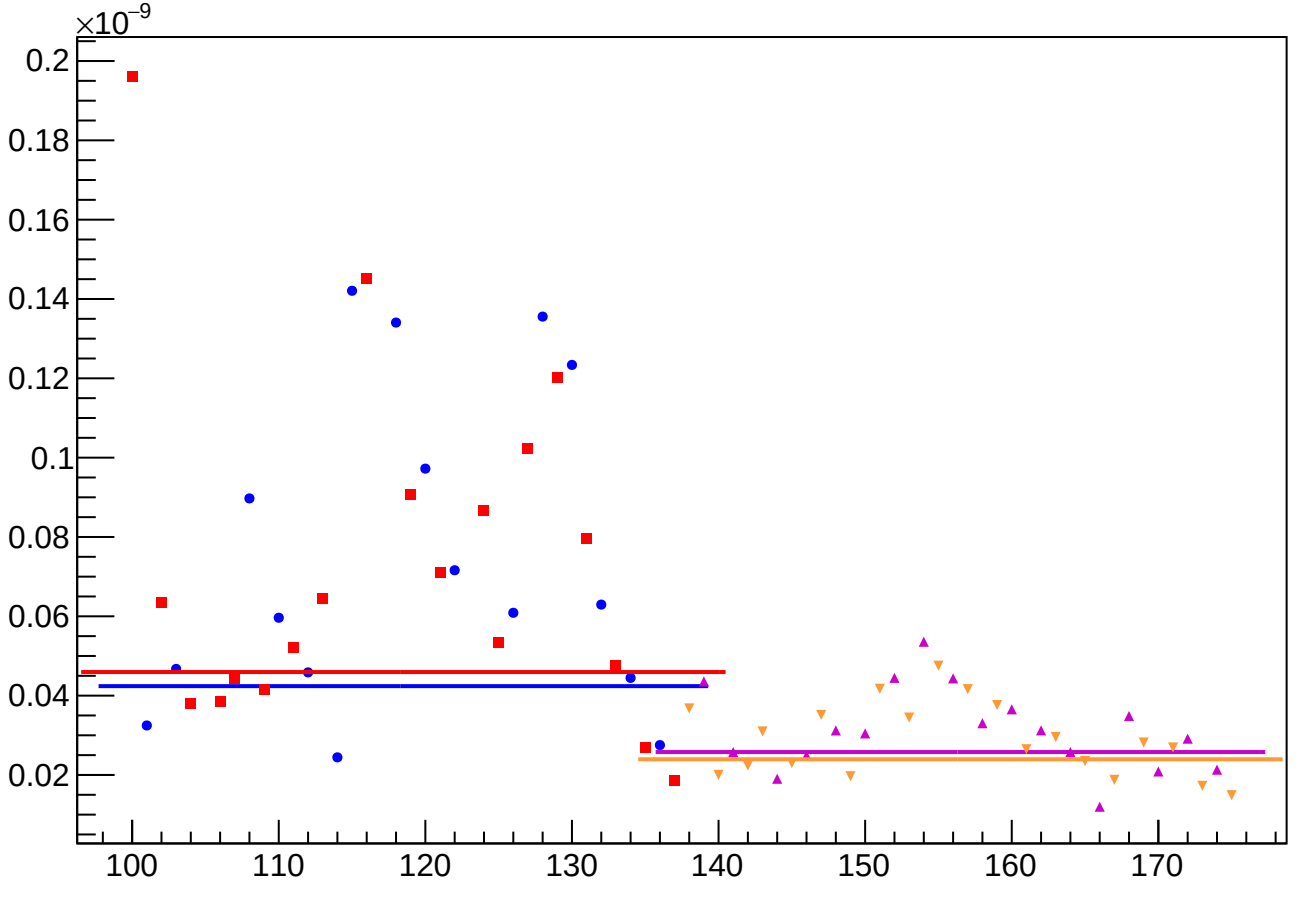
Left: -0.000+/-0.000 χ^2/NDF: 48.3/37

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.3/33

Out: -0.000+/-0.000 χ^2/NDF:27.9/38

All: -0.000+/-0.000 χ^2/NDF: 75.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340105.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1424571.2/17

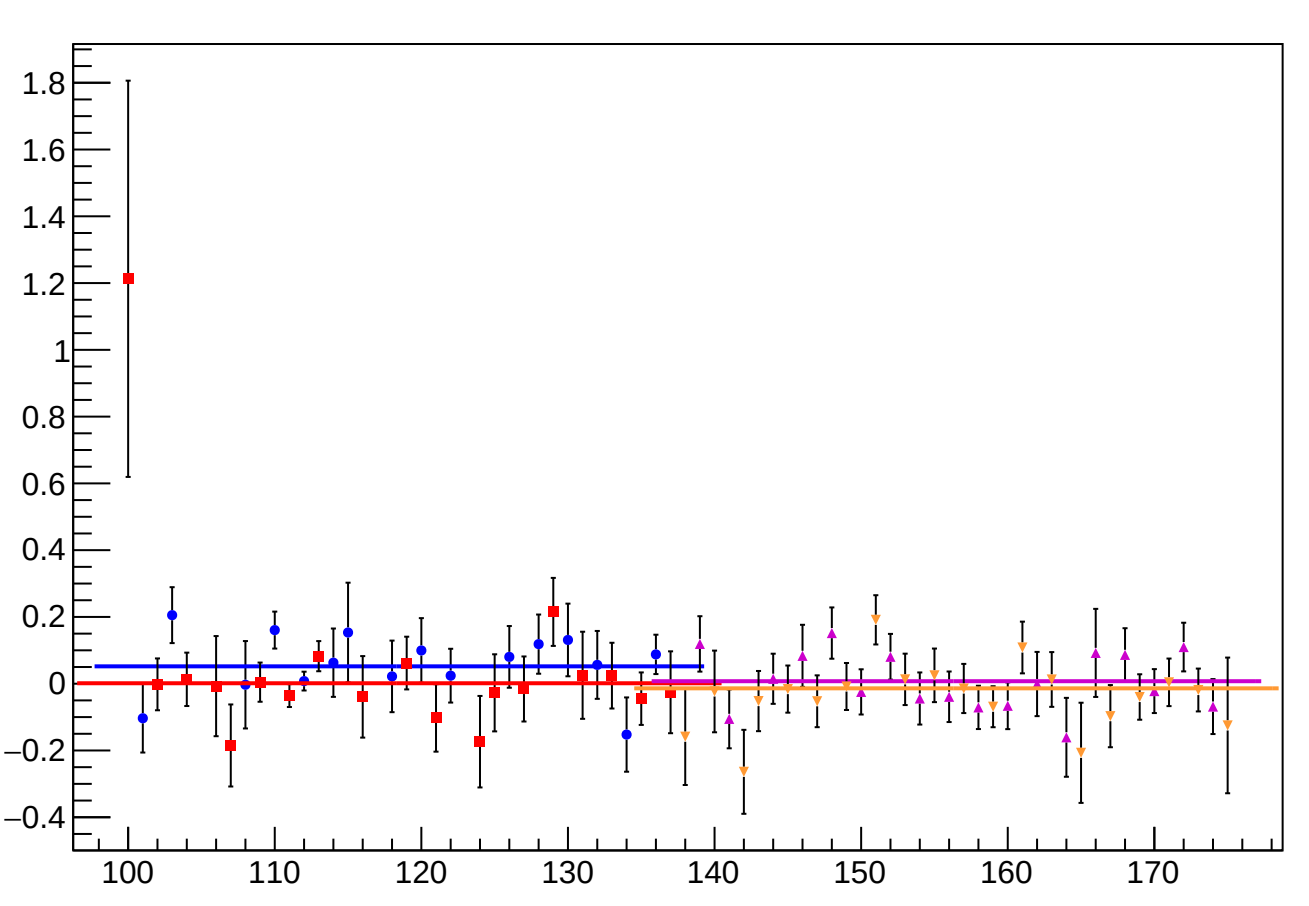
Left: 0.000+/-0.000 χ^2/NDF: 2795215.6/37

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3420041.5/33

Out: 0.000+/-0.000 χ^2/NDF:3500269.8/38

All: 0.000+/-0.000 χ^2/NDF: 6963087.4/72



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

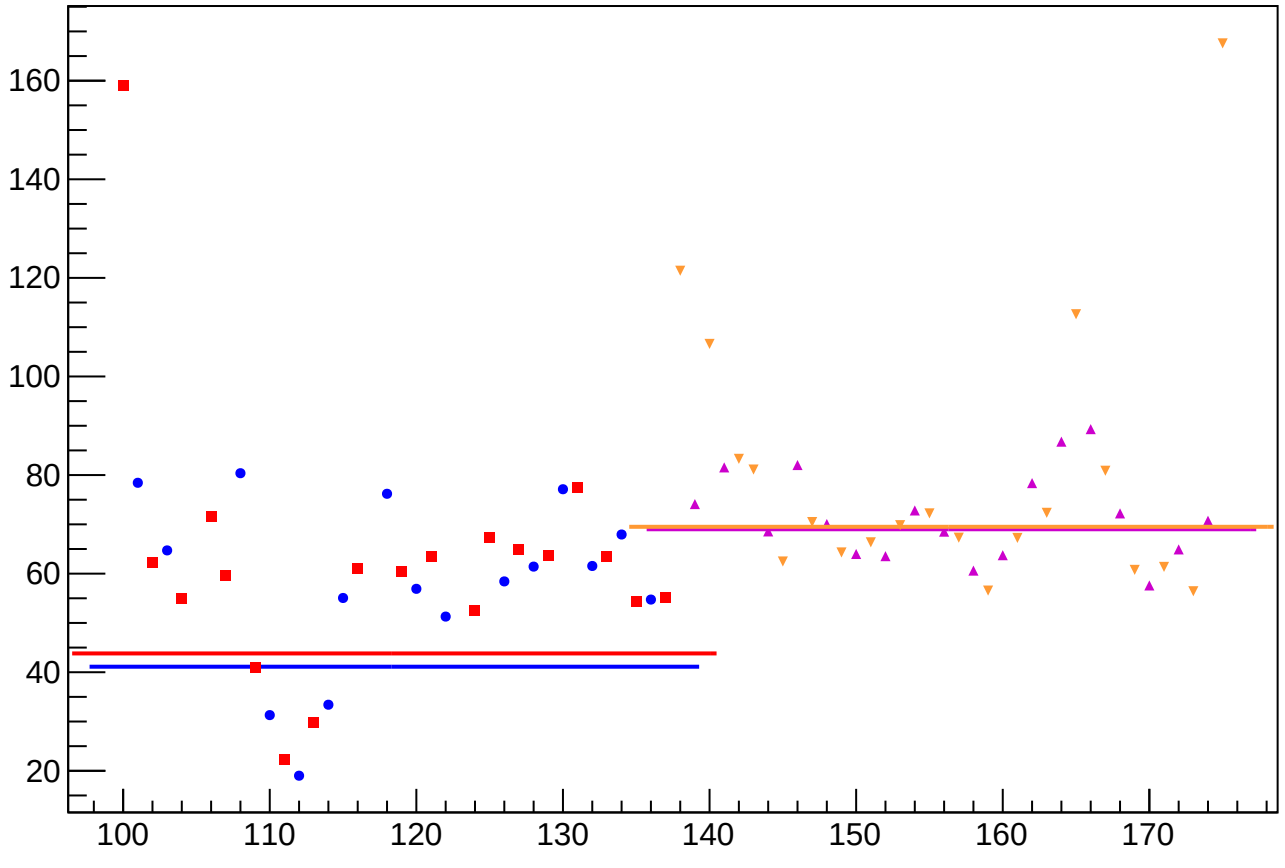
Left: -0.003+/-0.013 χ^2/NDF: 39.4/37

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.012+/-0.009 χ^2/NDF: 83.4/72



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433869.9/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

Left: 69.257+/-0.009 χ^2/NDF: 1777683.5/37

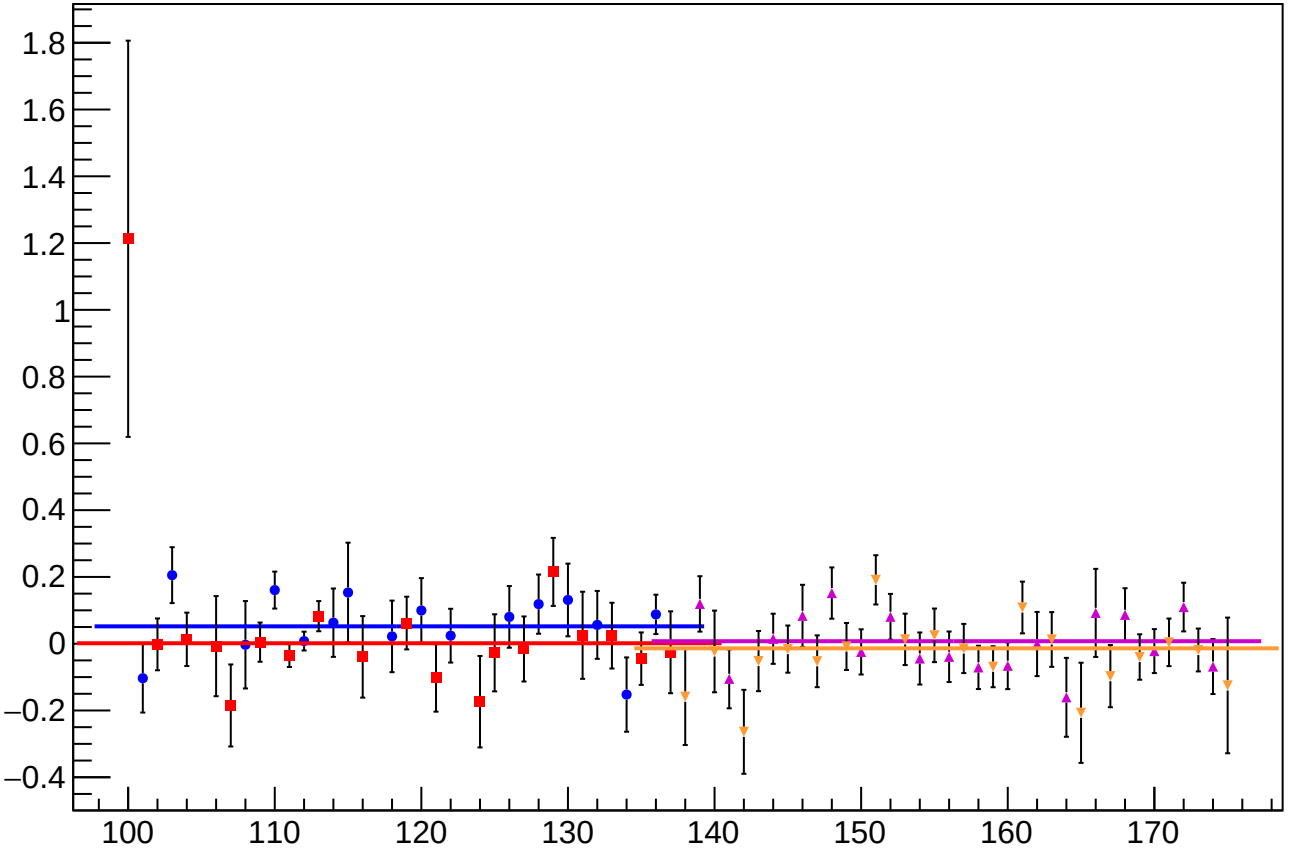
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.471+/-0.009 χ^2/NDF:5625738.9/33

Out: 56.386+/-0.009 χ^2/NDF:5492195.6/38

All: 55.430+/-0.006 χ^2/NDF: 11140234.8/72

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

Left: -0.003+/-0.013 χ^2/NDF: 39.4/37

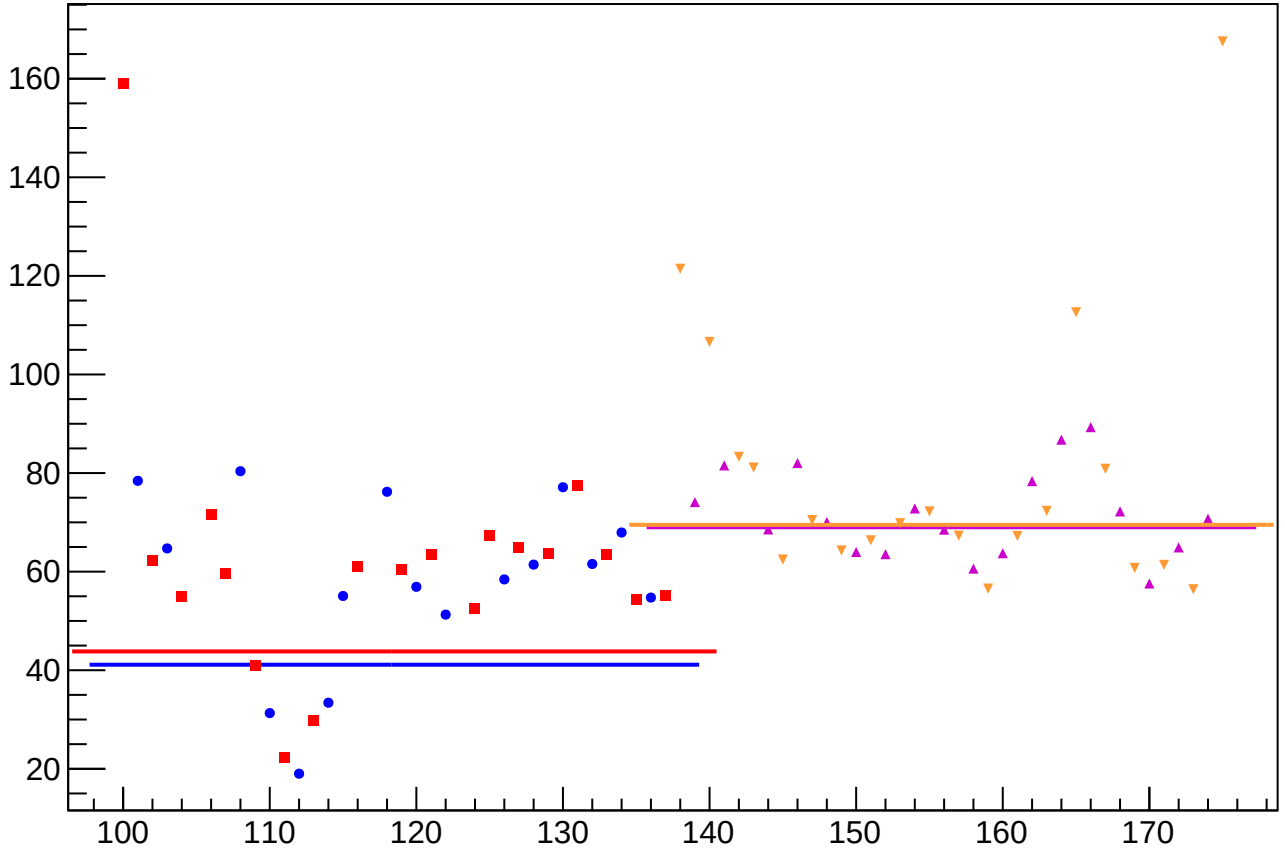
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.012+/-0.009 χ^2/NDF: 83.4/72

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433869.9/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

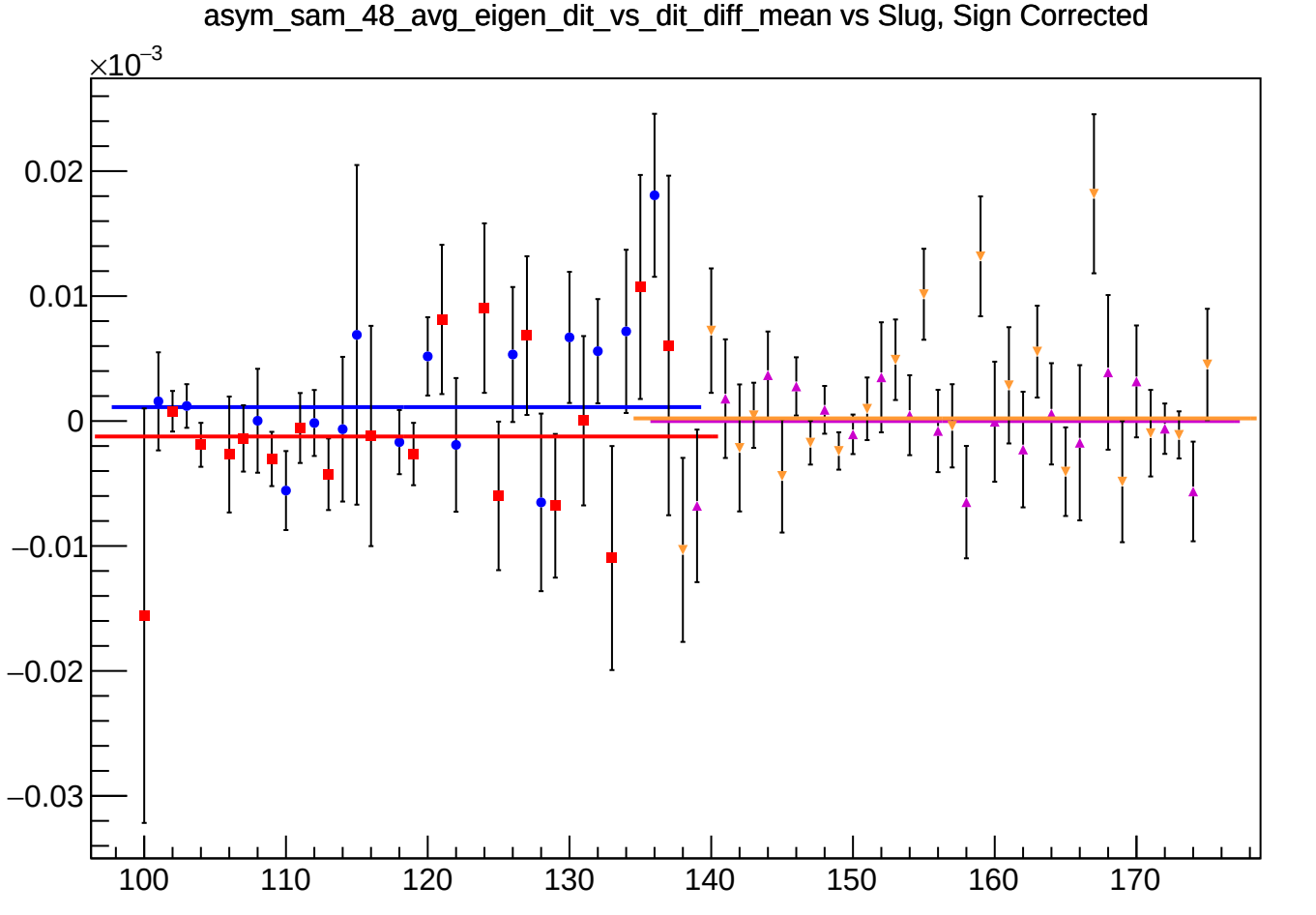
Left: 69.257+/-0.009 χ^2/NDF: 1777683.5/37

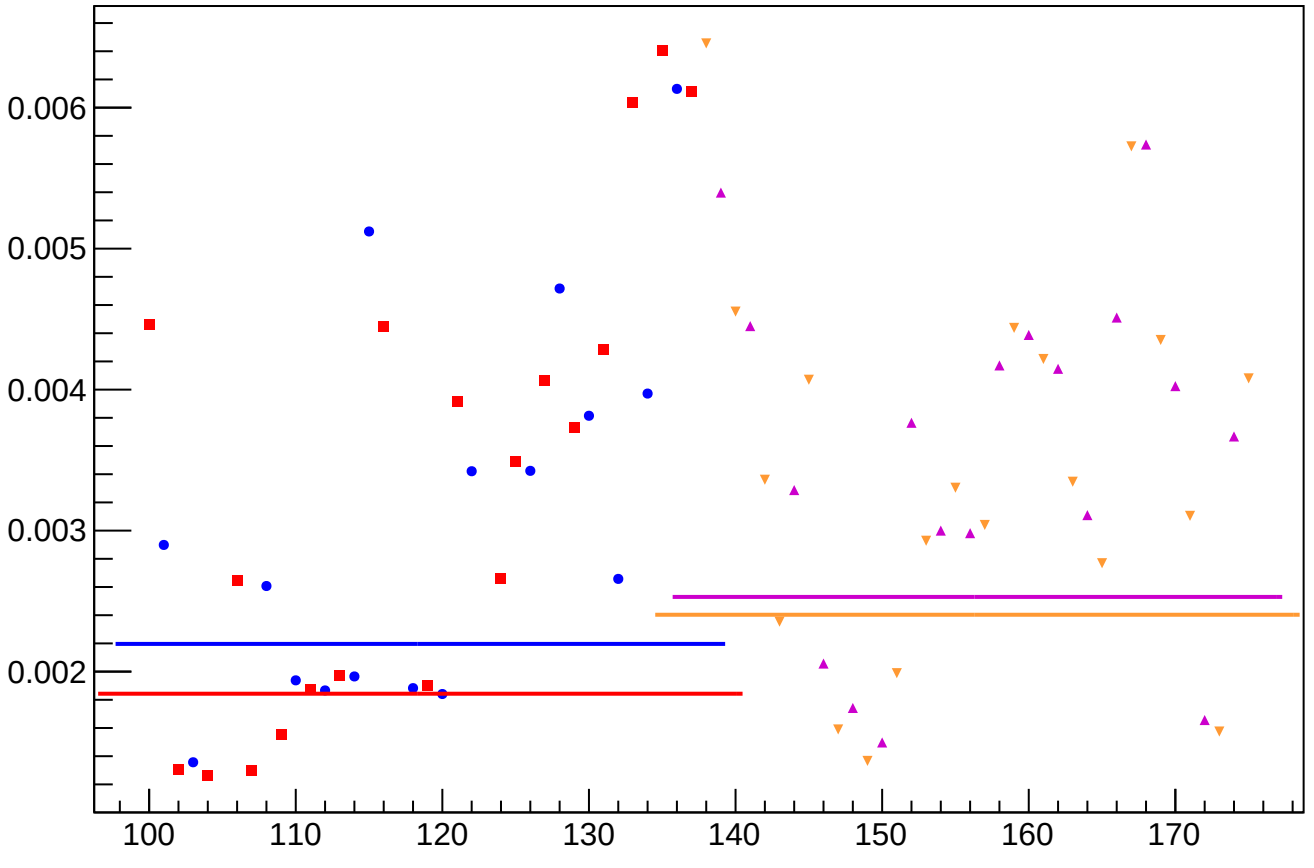
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.471+/-0.009 χ^2/NDF:5625738.9/33

Out: 56.386+/-0.009 χ^2/NDF:5492195.6/38

All: 55.430+/-0.006 χ^2/NDF: 11140234.8/72


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:41.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.7/17
Left: 0.000+/-0.000 χ²/NDF: 51.8/37
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:31.5/33
Out: -0.000+/-0.000 χ²/NDF:59.0/38
All: -0.000+/-0.000 χ²/NDF: 91.8/72



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5452004.7/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:4726666.2/17

Left: 0.002+/-0.000 χ^2/NDF: 10211016.8/37

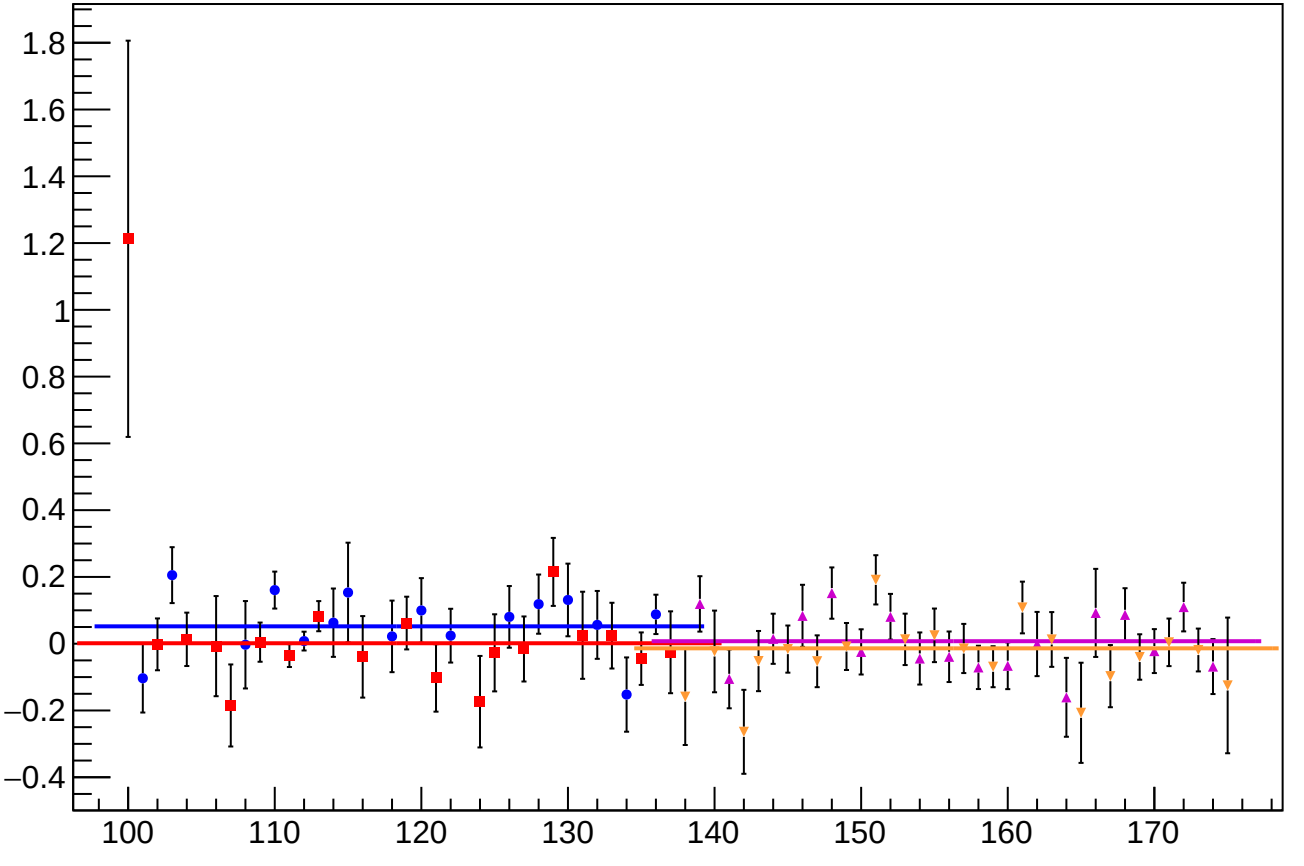
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:7182786.4/33

Out: 0.002+/-0.000 χ^2/NDF:9195449.0/38

All: 0.002+/-0.000 χ^2/NDF: 16575969.8/72

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

Left: -0.003+/-0.013 χ^2/NDF: 39.4/37

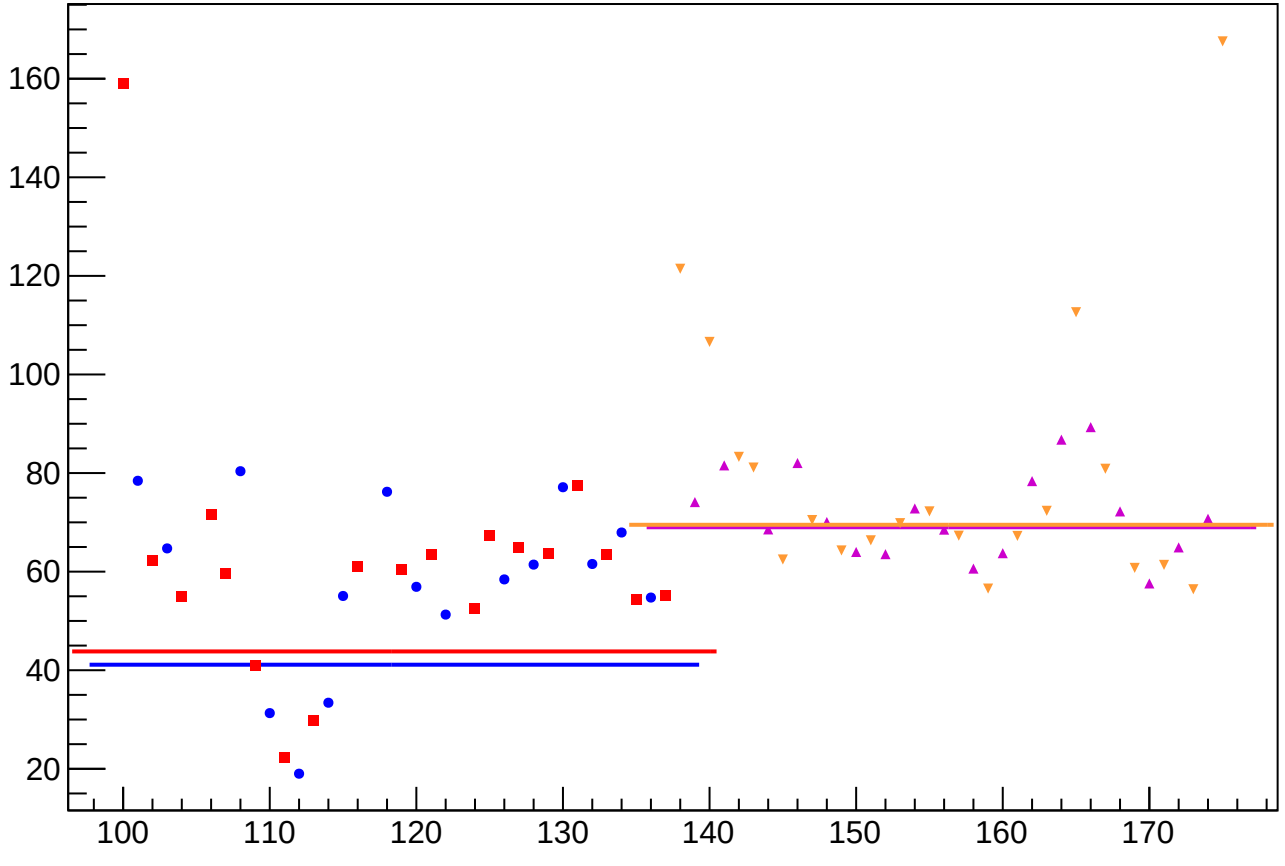
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.012+/-0.009 χ^2/NDF: 83.4/72

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433845.5/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

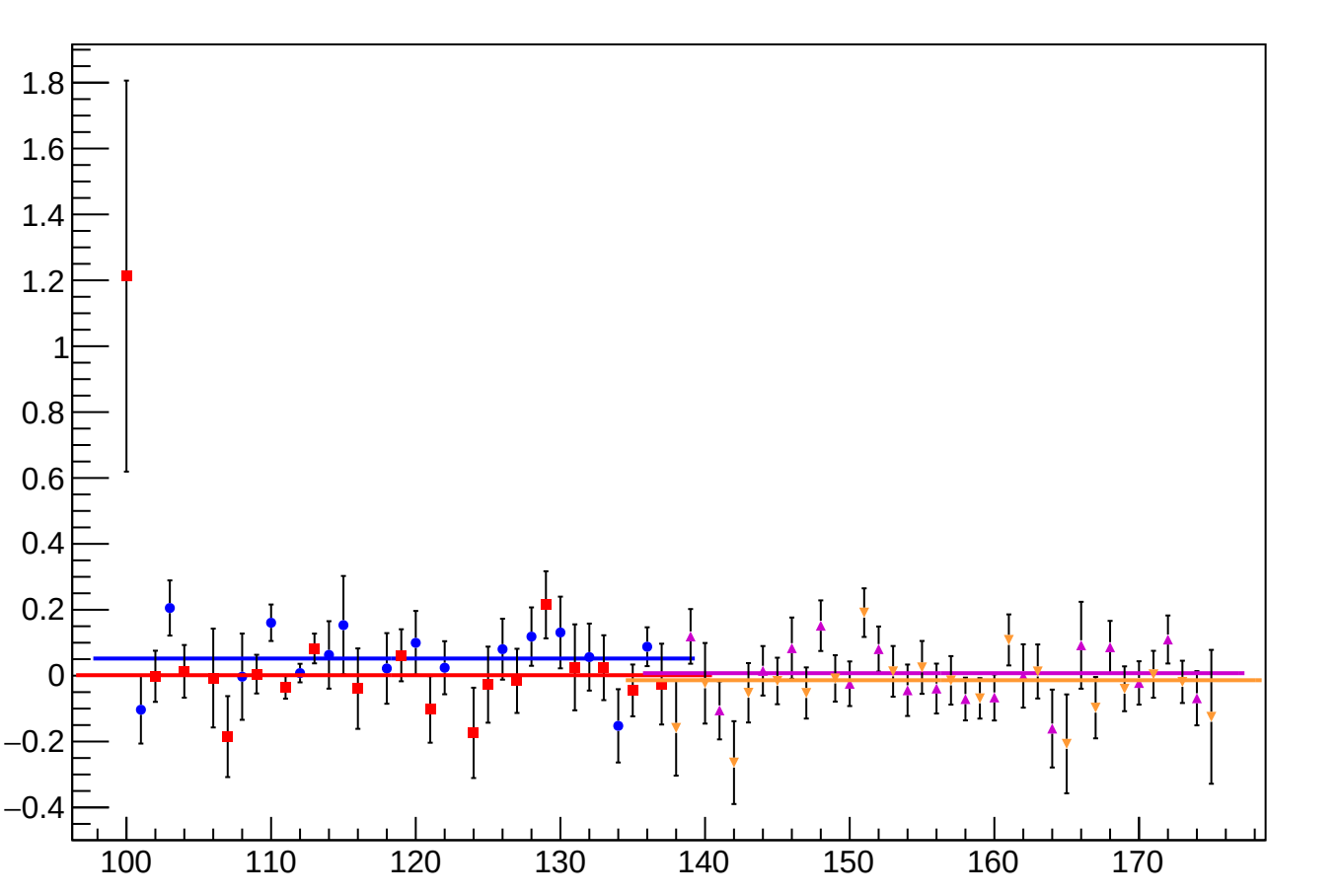
Left: 69.258+/-0.009 χ^2/NDF: 1777656.8/37

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

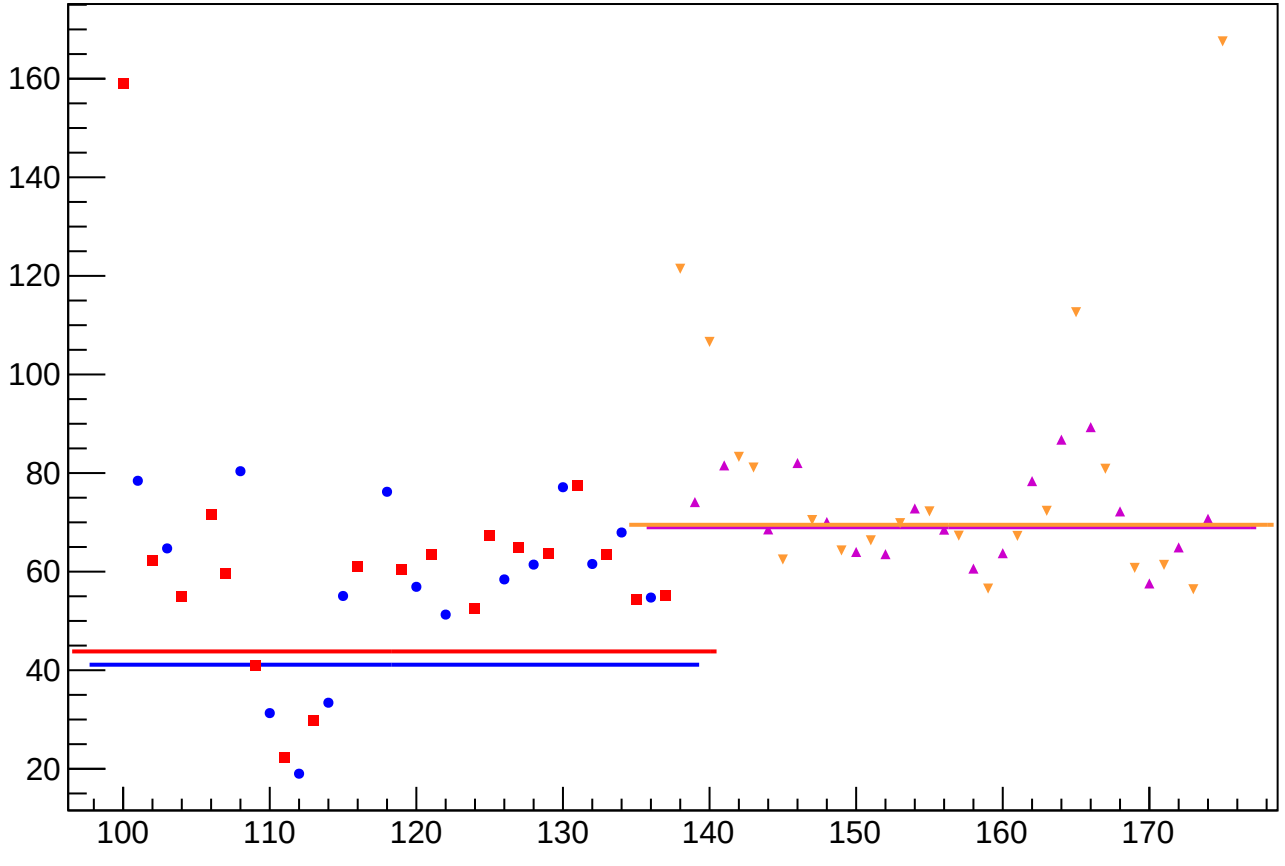
In: 54.471+/-0.009 χ^2/NDF:5626165.9/33

Out: 56.385+/-0.009 χ^2/NDF:5492594.3/38

All: 55.429+/-0.006 χ^2/NDF: 11141062.7/72


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.014+/-0.018 χ²/NDF:19.9/19
Right Out: 0.001+/-0.018 χ²/NDF: 19.2/18
Left In: 0.007+/-0.019 χ²/NDF:18.8/17
Left: -0.003+/-0.013 χ²/NDF: 39.4/37
Right: 0.027+/-0.013 χ²/NDF: 41.2/34
In: 0.031+/-0.013 χ²/NDF:39.8/33
Out: -0.006+/-0.013 χ²/NDF:39.5/38
All: 0.012+/-0.009 χ²/NDF: 83.4/72

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433845.5/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

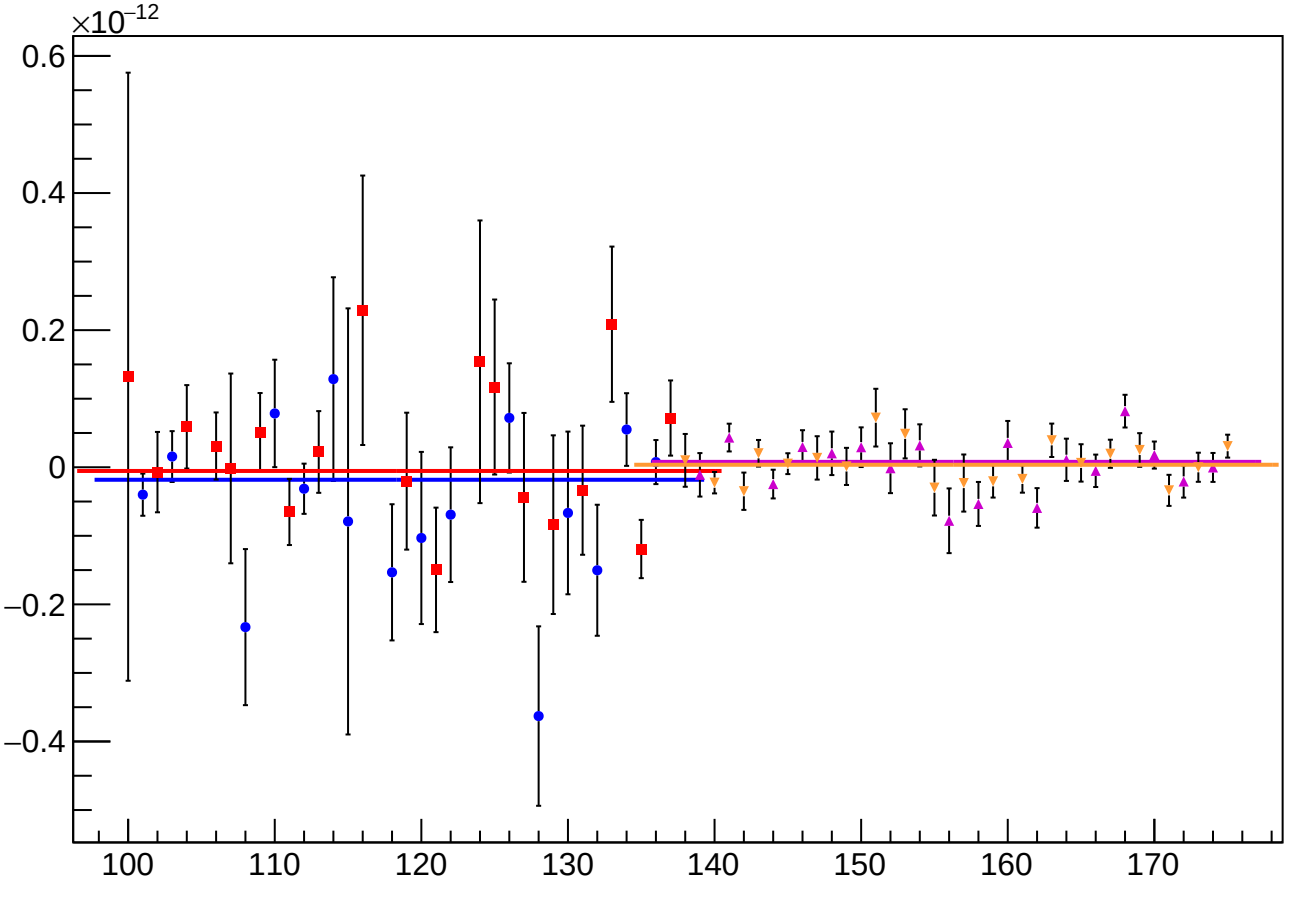
Left: 69.258+/-0.009 χ^2/NDF: 1777656.8/37

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.471+/-0.009 χ^2/NDF:5626165.9/33

Out: 56.385+/-0.009 χ^2/NDF:5492594.3/38

All: 55.429+/-0.006 χ^2/NDF: 11141062.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.9/17

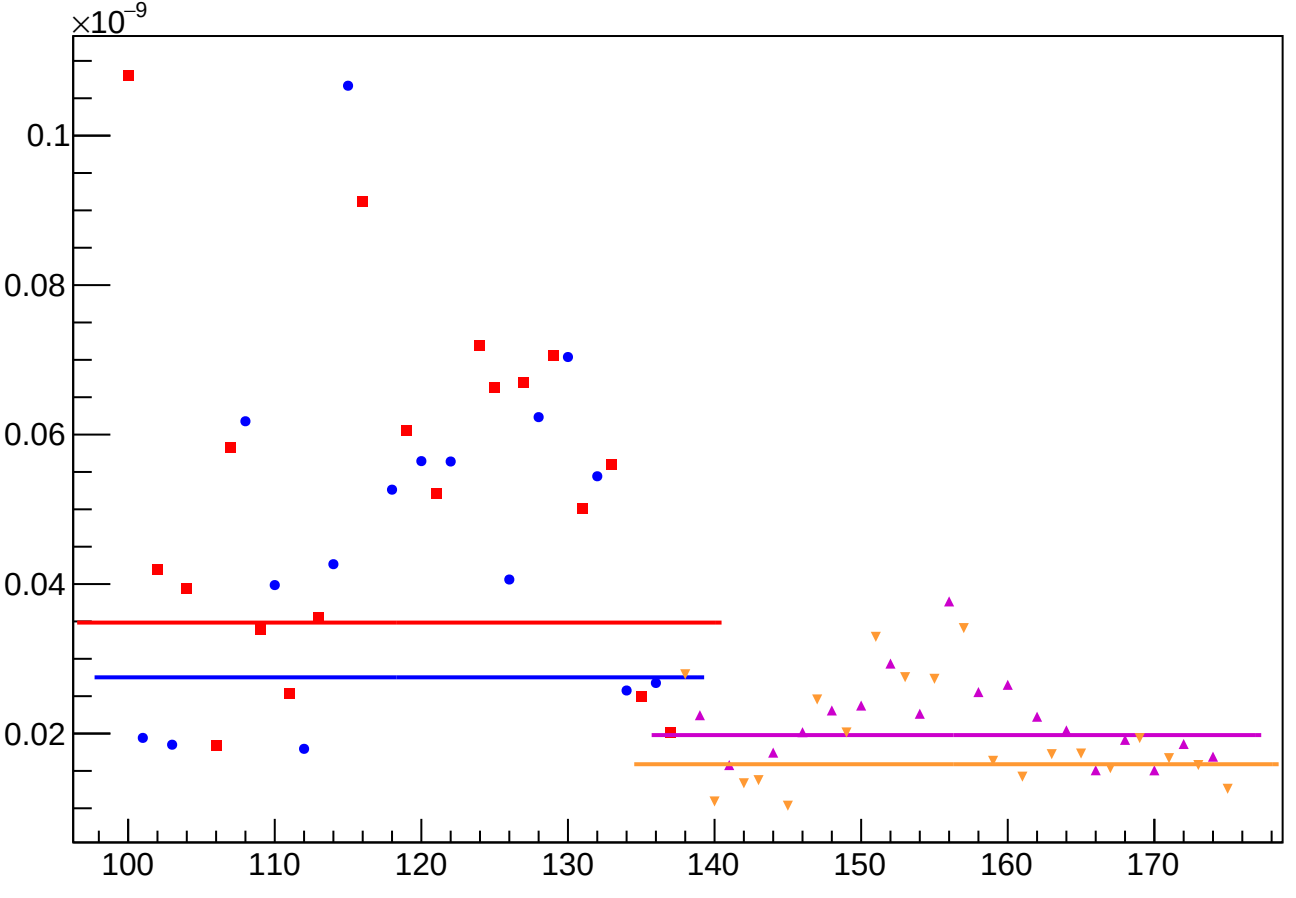
Left: 0.000+/-0.000 χ^2/NDF: 55.3/37

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:58.7/33

Out: 0.000+/-0.000 χ^2/NDF:45.6/38

All: 0.000+/-0.000 χ^2/NDF: 104.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2134079.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1025137.0/17

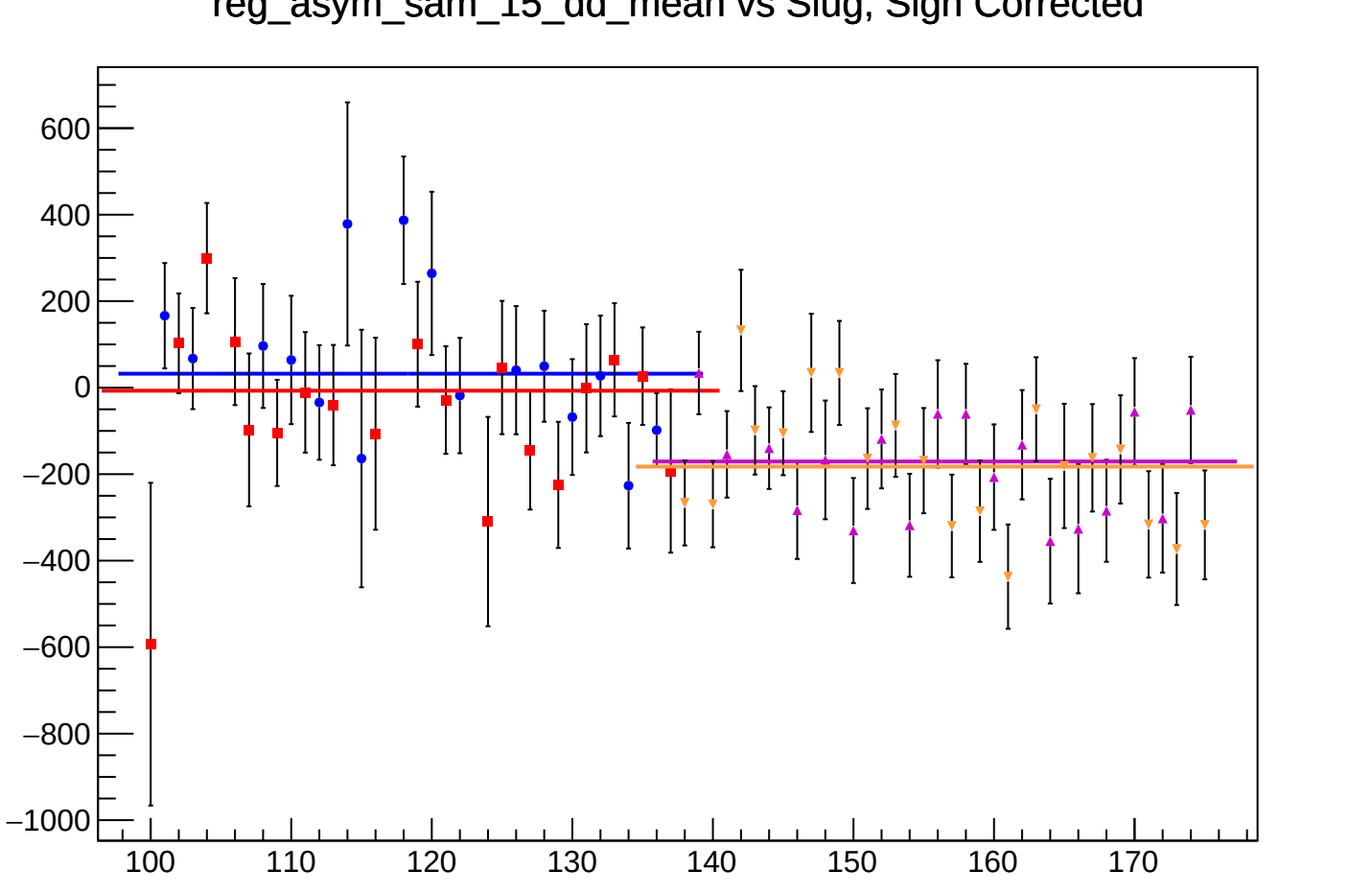
Left: 0.000+/-0.000 χ^2/NDF: 3625798.2/37

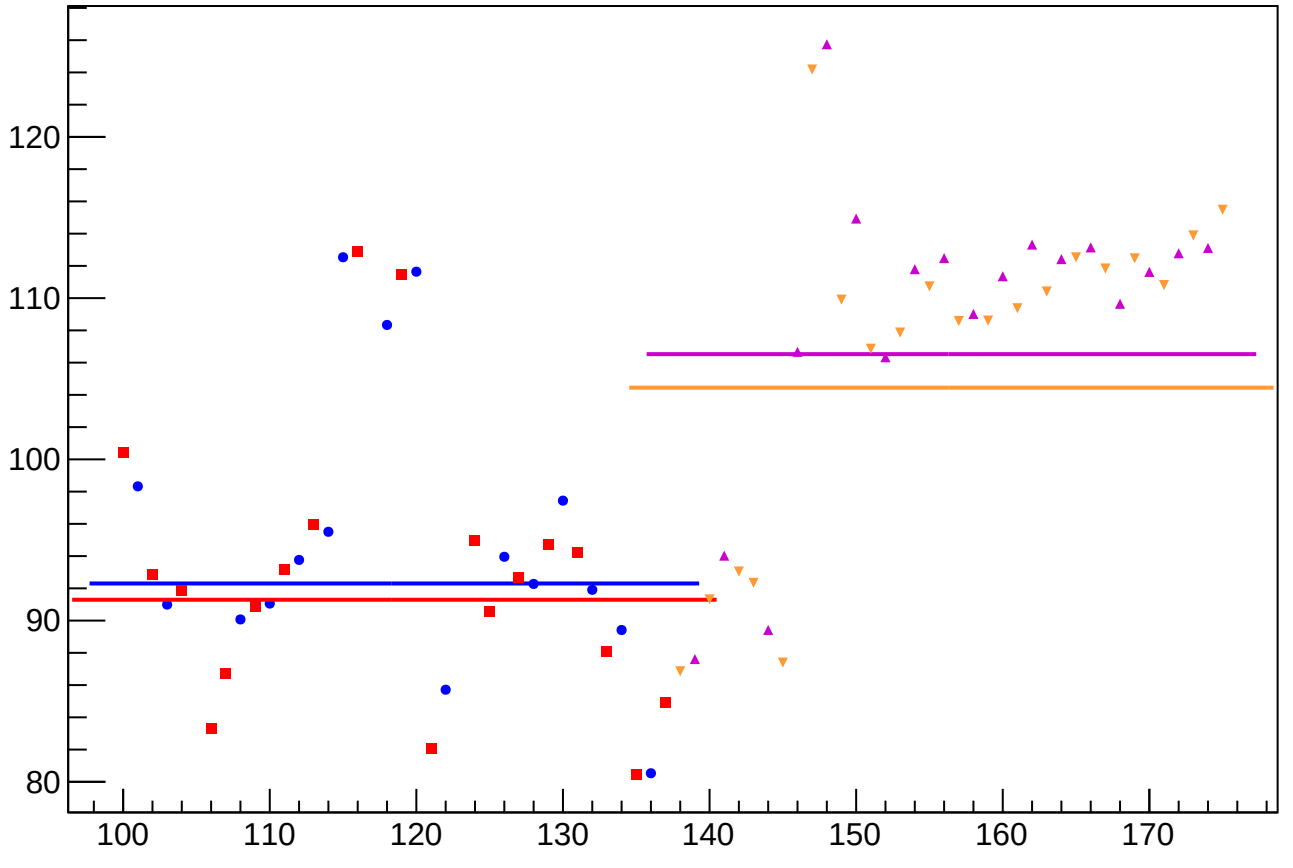
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3310738.1/33

Out: 0.000+/-0.000 χ^2/NDF:6161644.0/38

All: 0.000+/-0.000 χ^2/NDF: 9885326.2/72


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.297+/-34.429 χ²/NDF: 17.3/15
Left Out: -182.493+/-26.359 χ²/NDF:26.7/19
Right Out: -7.070+/-33.420 χ²/NDF: 17.8/18
Left In: -170.751+/-27.754 χ²/NDF:17.7/17
Left: -176.924+/-19.113 χ²/NDF: 44.4/37
Right: 12.028+/-23.980 χ²/NDF: 35.7/34
In: -90.774+/-21.607 χ²/NDF:56.0/33
Out: -115.216+/-20.696 χ²/NDF:61.5/38
All: -103.521+/-14.946 χ²/NDF: 118.2/72



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

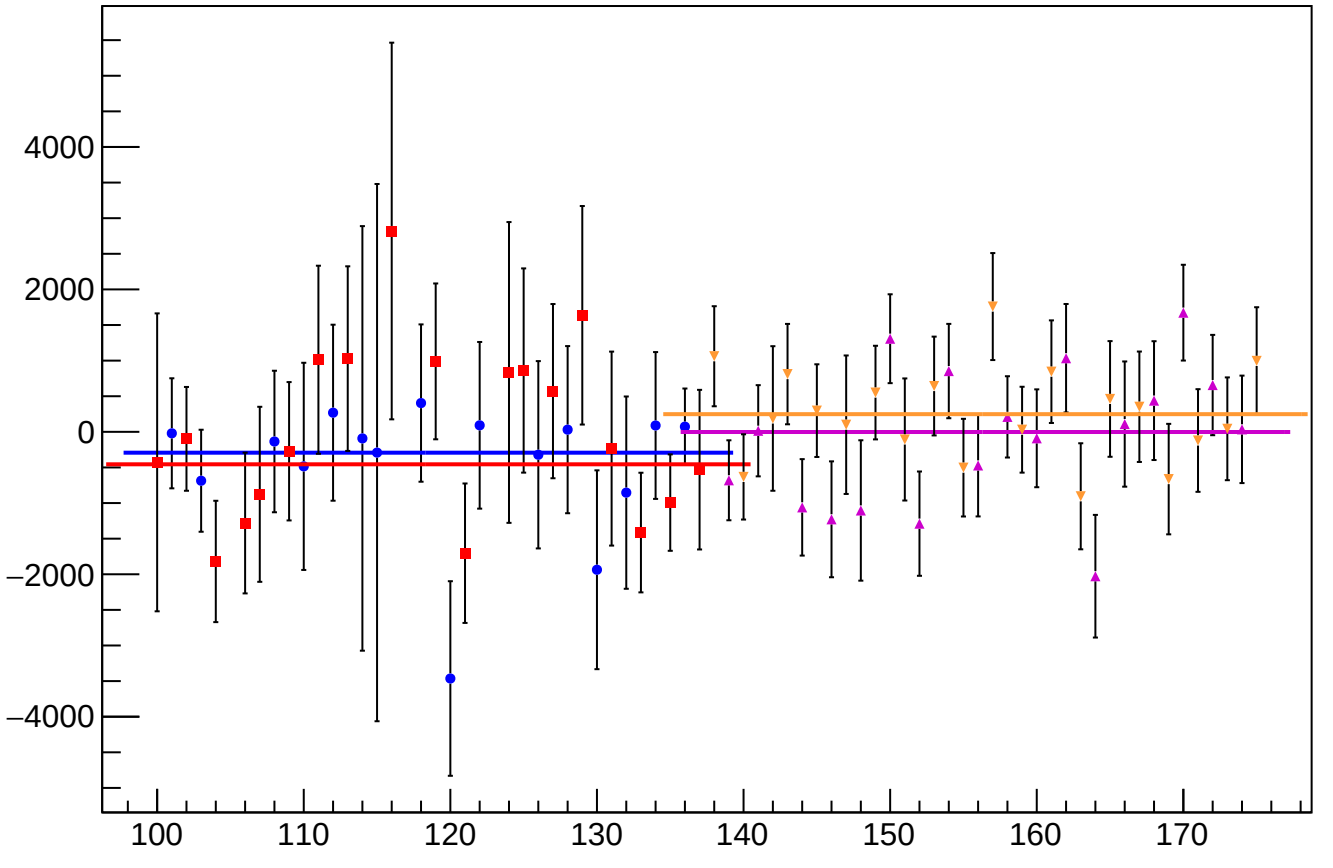
Left: 105.433+/-0.014 χ^2/NDF: 593280.9/37

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 100.924+/-0.015 χ^2/NDF:579824.2/33

Out: 99.402+/-0.015 χ^2/NDF:617605.7/38

All: 100.130+/-0.011 χ^2/NDF: 1202607.3/72



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.240+/-162.643 χ^2/NDF:16.1/19

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -2.350+/-166.733 χ^2/NDF:31.9/17

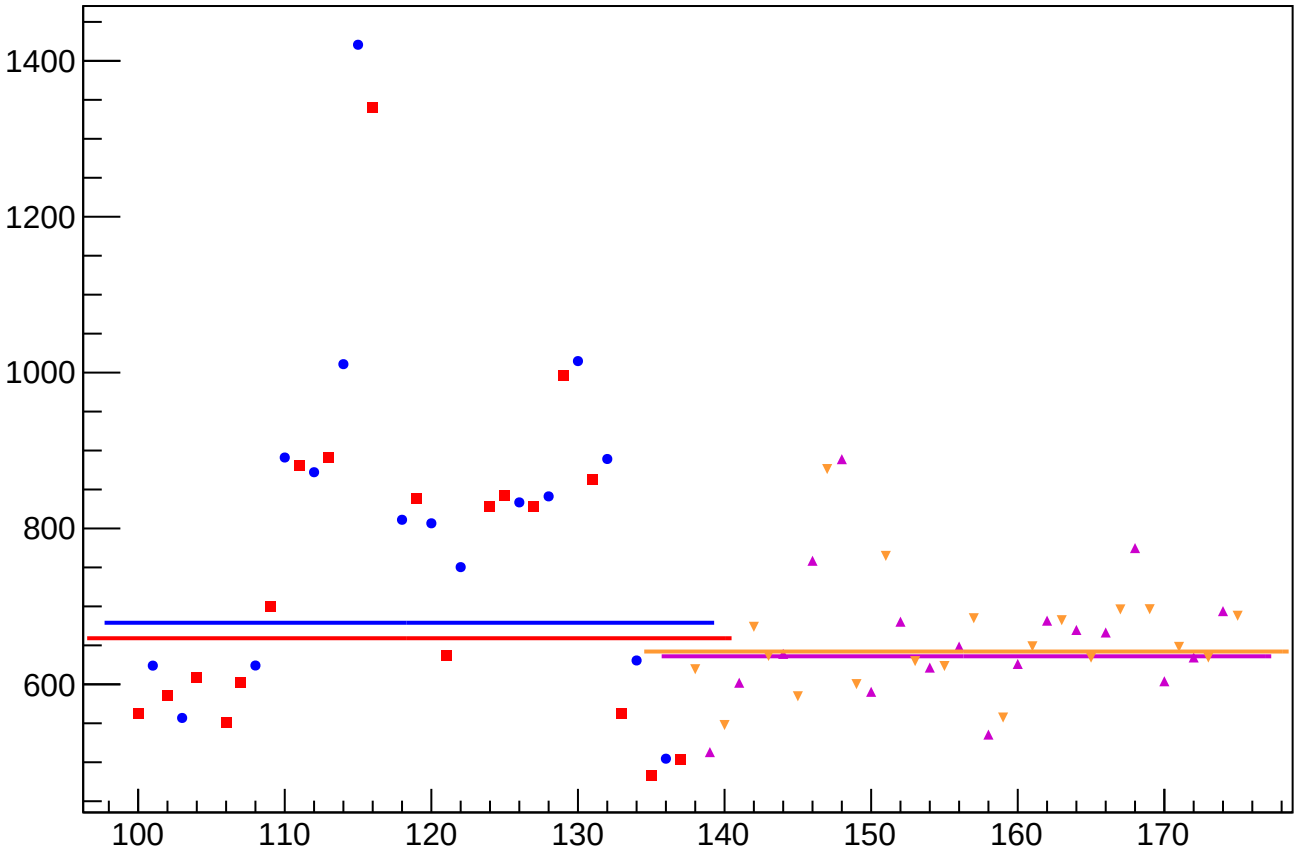
Left: 126.056+/-116.425 χ^2/NDF: 49.2/37

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -87.117+/-140.304 χ^2/NDF:41.6/33

Out: 37.346+/-136.122 χ^2/NDF:38.6/38

All: -23.003+/-97.698 χ^2/NDF: 80.6/72



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 642.087+/-0.115 χ^2/NDF:316001.3/19

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 635.957+/-0.118 χ^2/NDF:445077.5/17

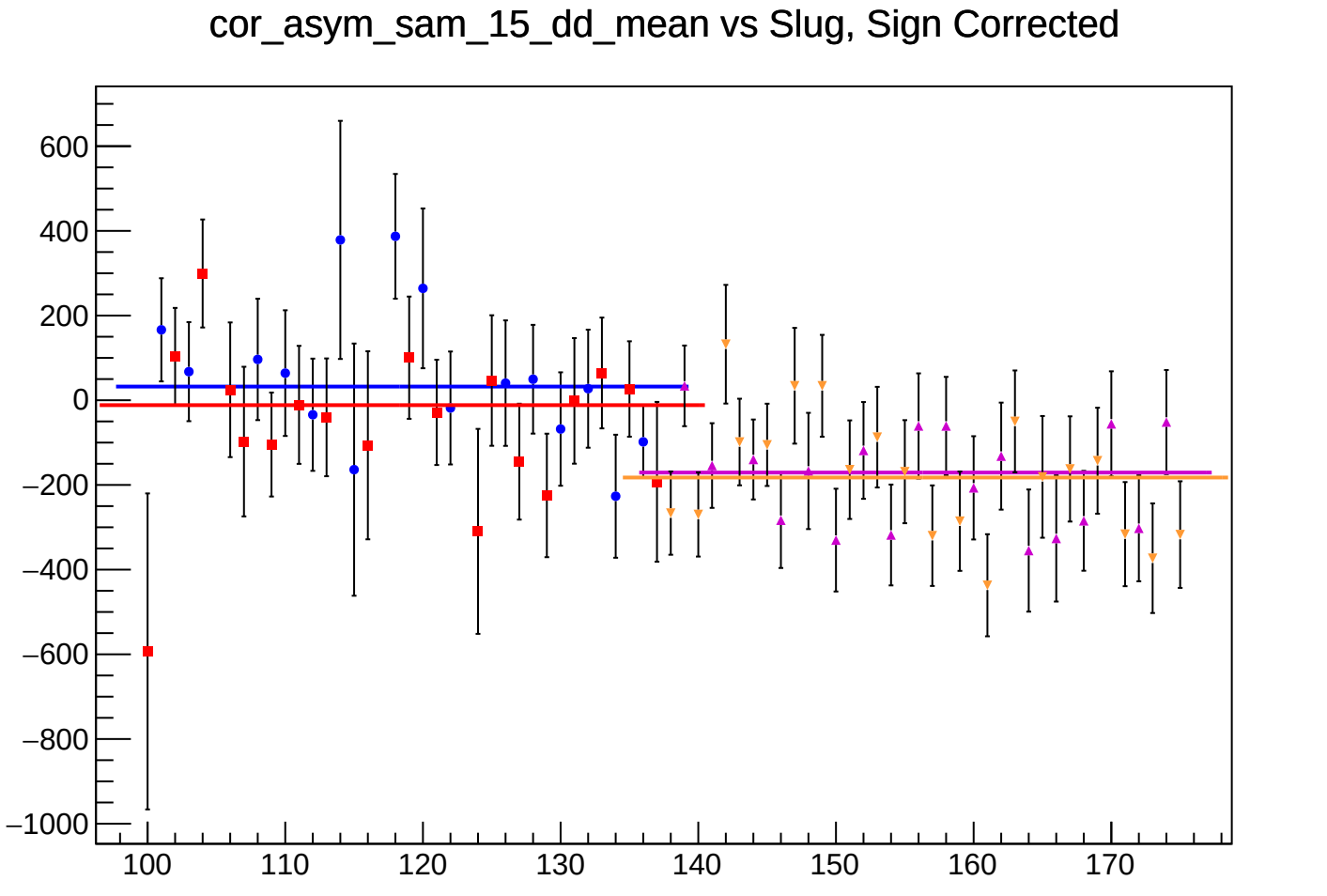
Left: 639.098+/-0.082 χ^2/NDF: 762464.2/37

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 648.522+/-0.099 χ^2/NDF:1251972.3/33

Out: 647.193+/-0.096 χ^2/NDF:1118459.3/38

All: 647.837+/-0.069 χ^2/NDF: 2370523.9/72



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -170.753+/-27.754 χ^2/NDF:17.7/17

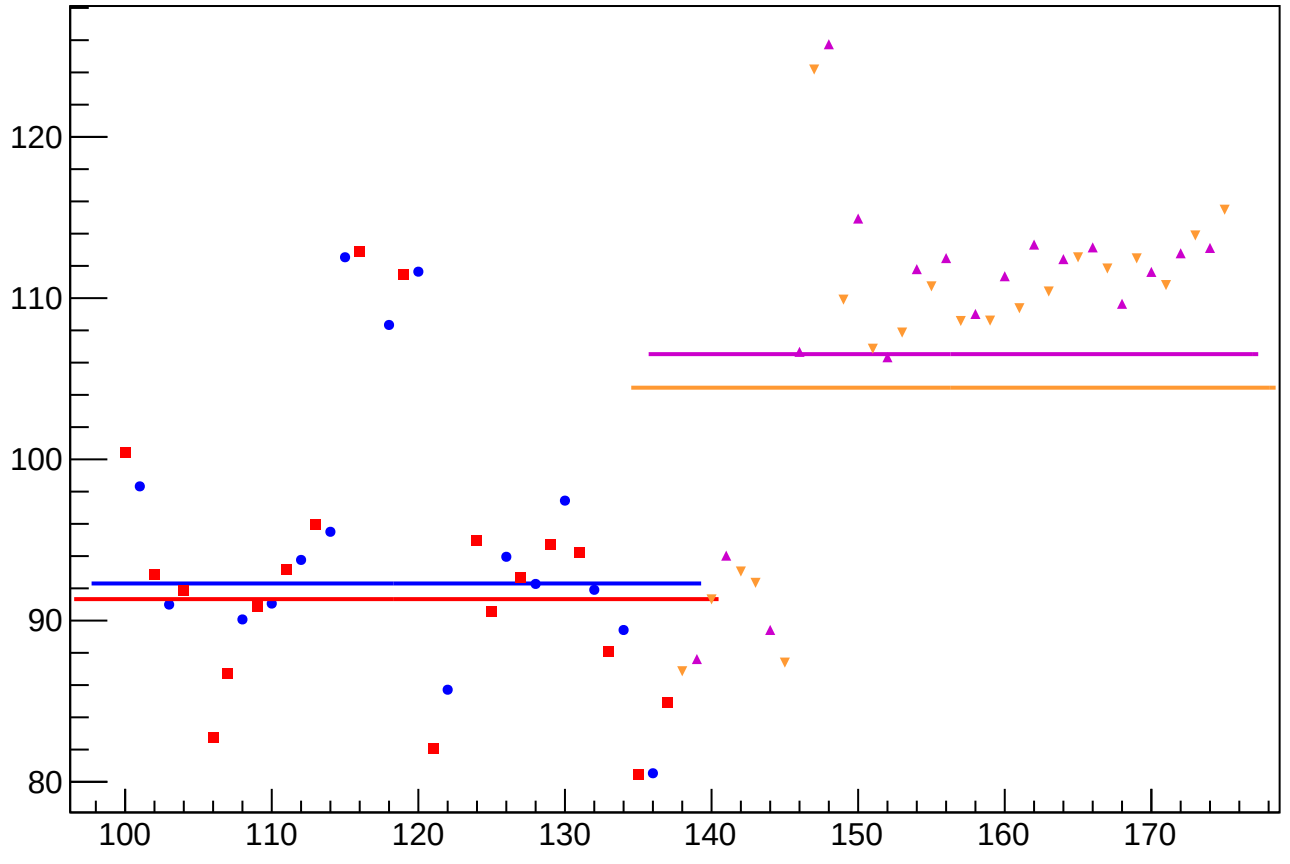
Left: -176.925+/-19.113 χ^2/NDF: 44.4/37

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -90.770+/-21.607 χ^2/NDF:56.0/33

Out: -117.253+/-20.727 χ^2/NDF:59.9/38

All: -104.562+/-14.958 χ^2/NDF: 116.8/72



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

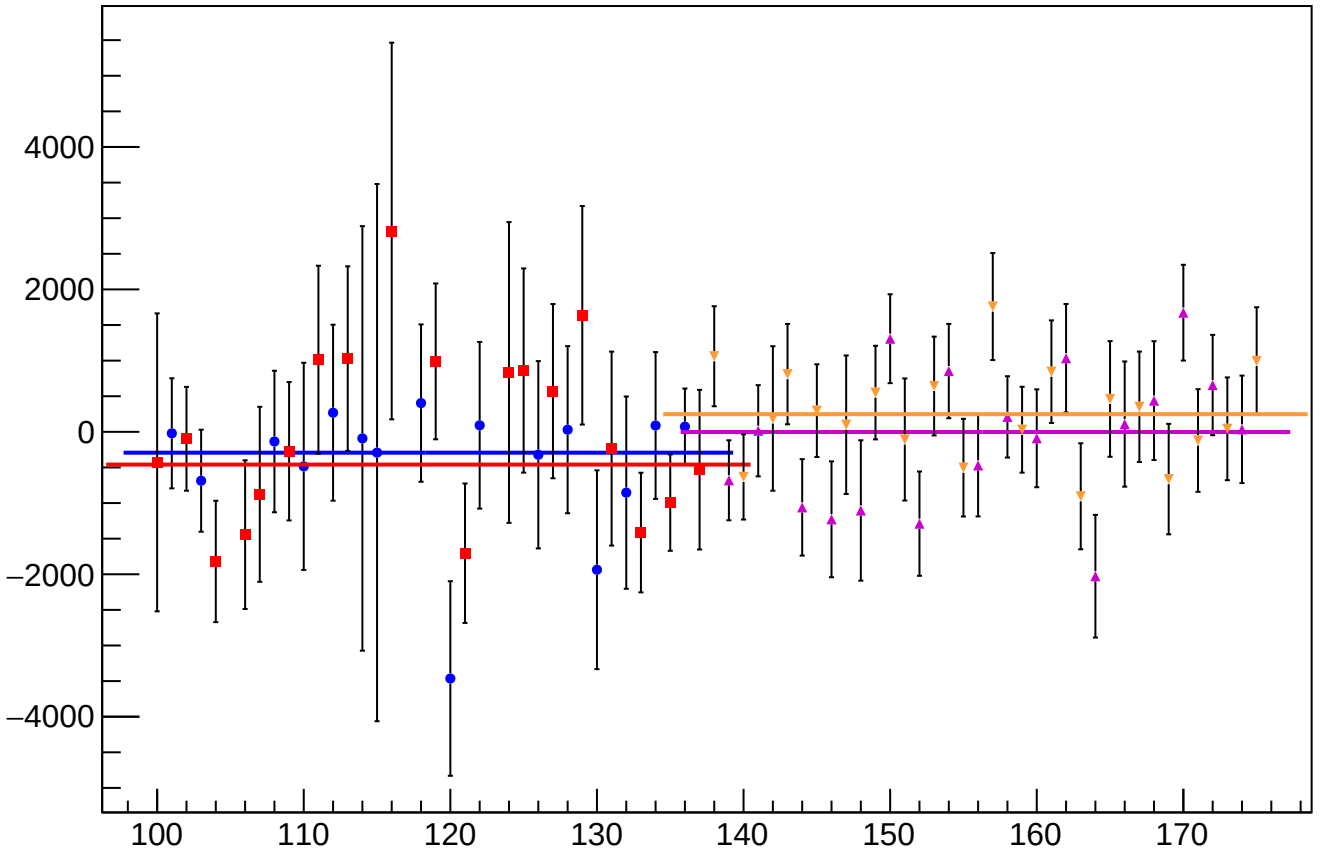
Left: 105.433+/-0.014 χ^2/NDF: 593281.0/37

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.924+/-0.015 χ^2/NDF:579824.1/33

Out: 99.440+/-0.015 χ^2/NDF:615417.5/38

All: 100.151+/-0.011 χ^2/NDF: 1200153.6/72



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -2.352+/-166.733 χ^2/NDF:31.9/17

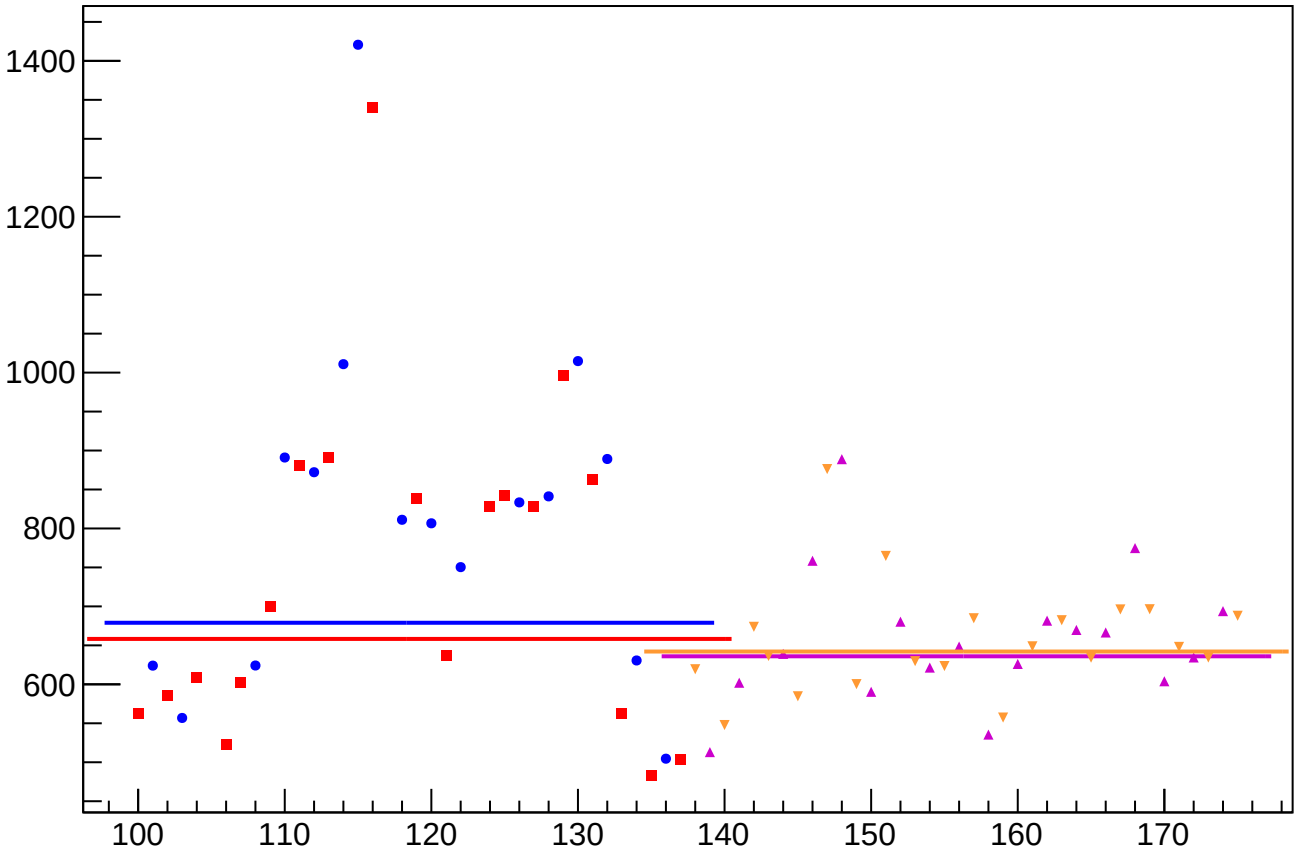
Left: 126.054+/-116.425 χ^2/NDF: 49.2/37

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -87.118+/-140.304 χ^2/NDF:41.6/33

Out: 37.201+/-136.257 χ^2/NDF:38.8/38

All: -23.140+/-97.748 χ^2/NDF: 80.9/72



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

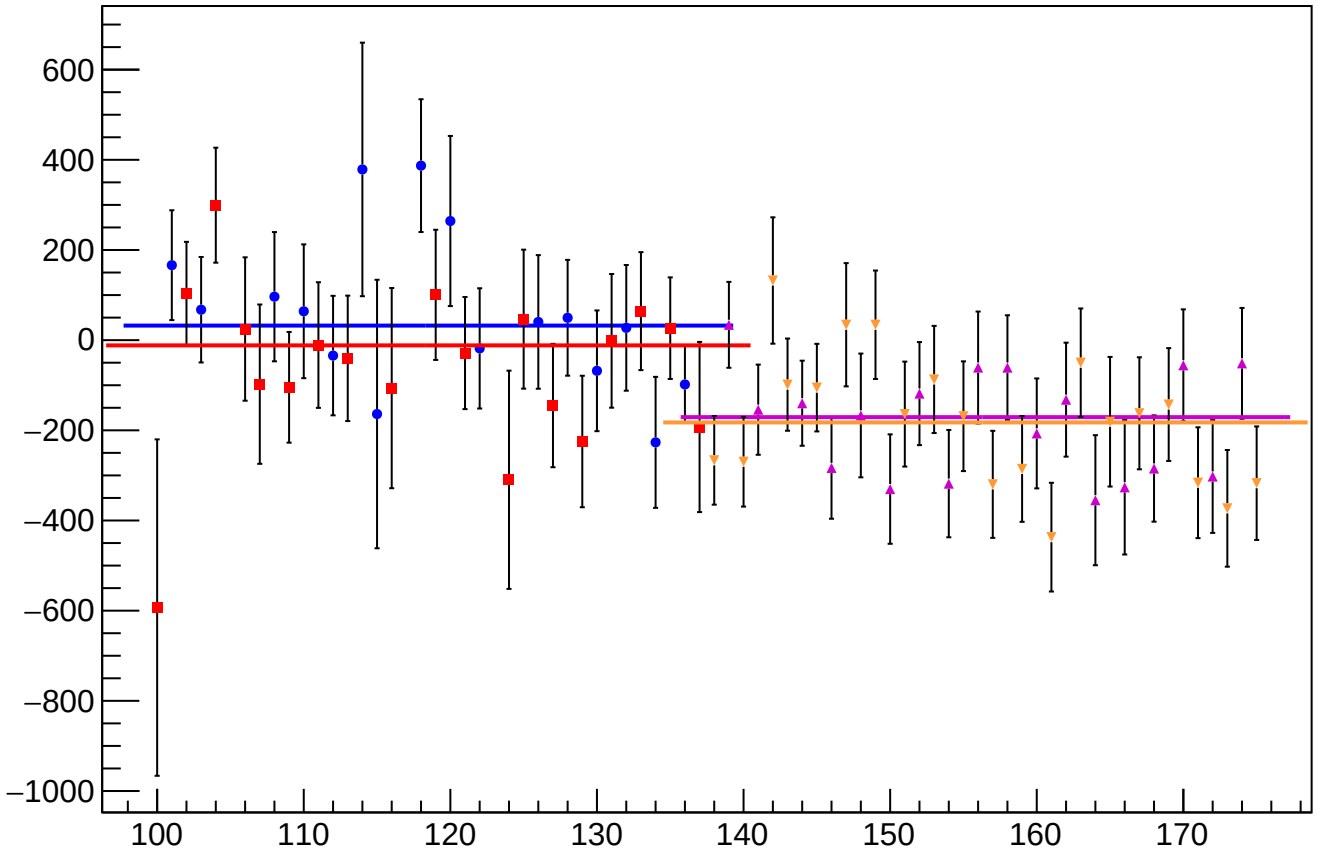
Left: 639.099+/-0.082 χ^2/NDF: 762466.1/37

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.522+/-0.099 χ^2/NDF:1251974.4/33

Out: 646.910+/-0.096 χ^2/NDF:1127797.3/38

All: 647.692+/-0.069 χ^2/NDF: 2379907.5/72



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -170.753+/-27.754 χ^2/NDF:17.7/17

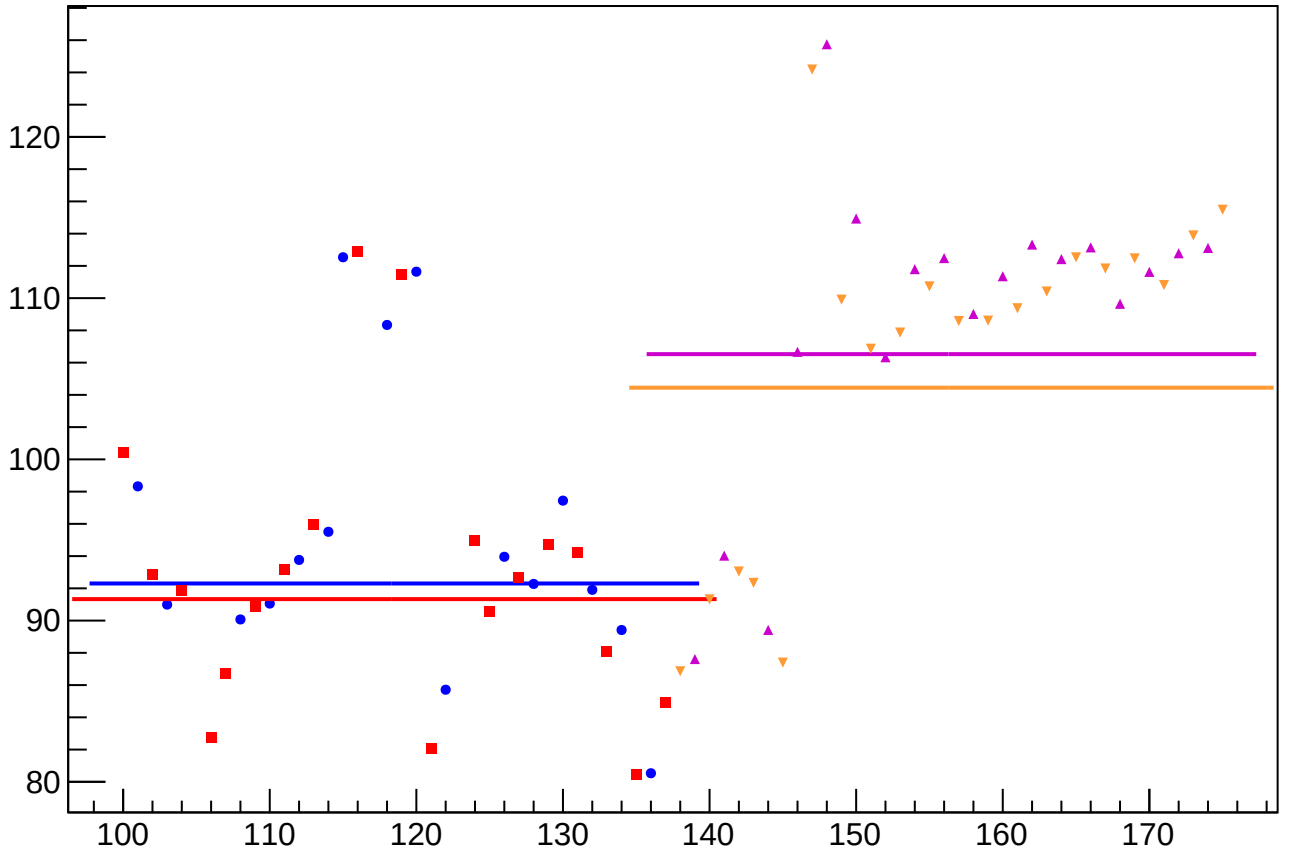
Left: -176.925+/-19.113 χ^2/NDF: 44.4/37

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -90.770+/-21.607 χ^2/NDF:56.0/33

Out: -117.253+/-20.727 χ^2/NDF:59.9/38

All: -104.562+/-14.958 χ^2/NDF: 116.8/72



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

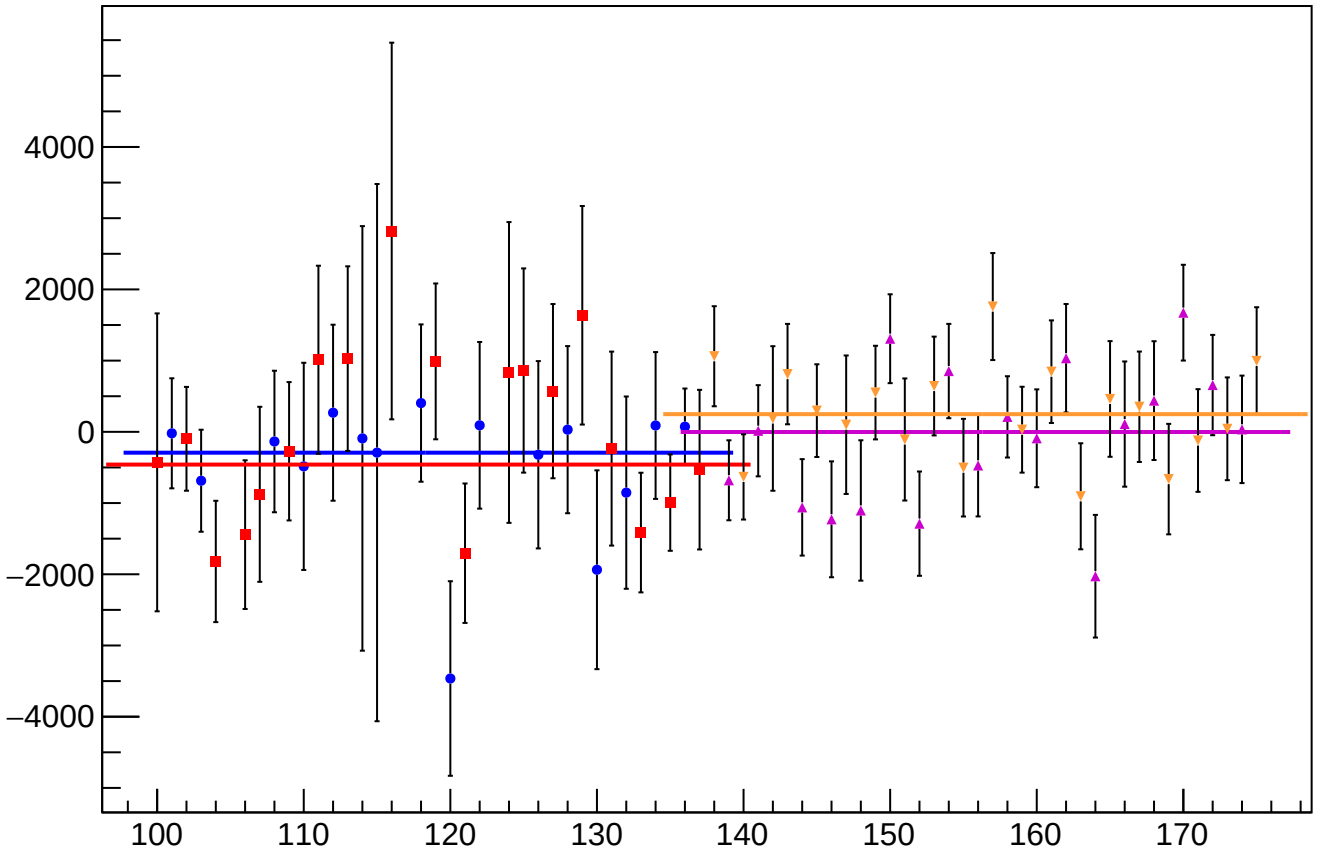
Left: 105.433+/-0.014 χ^2/NDF: 593281.0/37

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.924+/-0.015 χ^2/NDF:579824.1/33

Out: 99.440+/-0.015 χ^2/NDF:615417.5/38

All: 100.151+/-0.011 χ^2/NDF: 1200153.6/72



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -2.352+/-166.733 χ^2/NDF:31.9/17

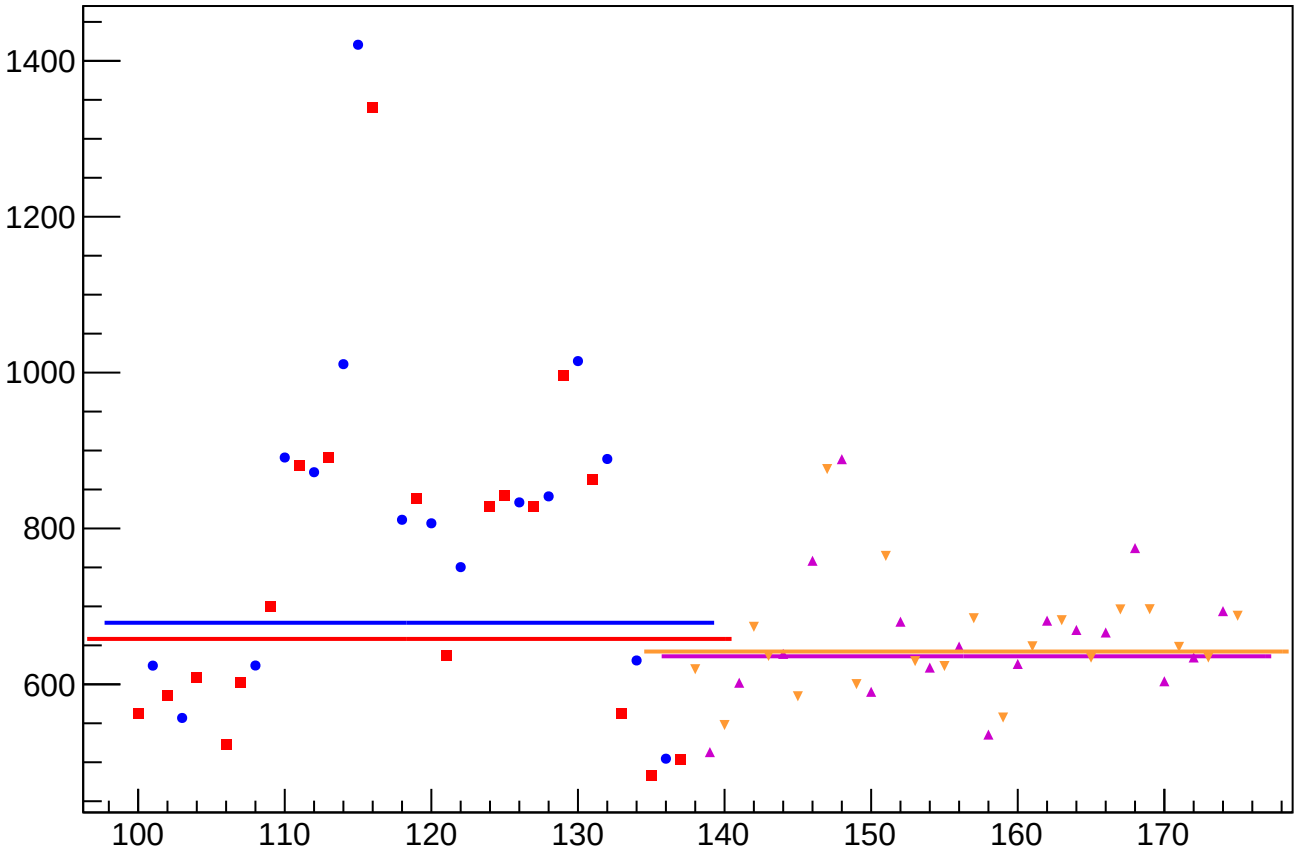
Left: 126.054+/-116.425 χ^2/NDF: 49.2/37

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -87.118+/-140.304 χ^2/NDF:41.6/33

Out: 37.201+/-136.257 χ^2/NDF:38.8/38

All: -23.140+/-97.748 χ^2/NDF: 80.9/72



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

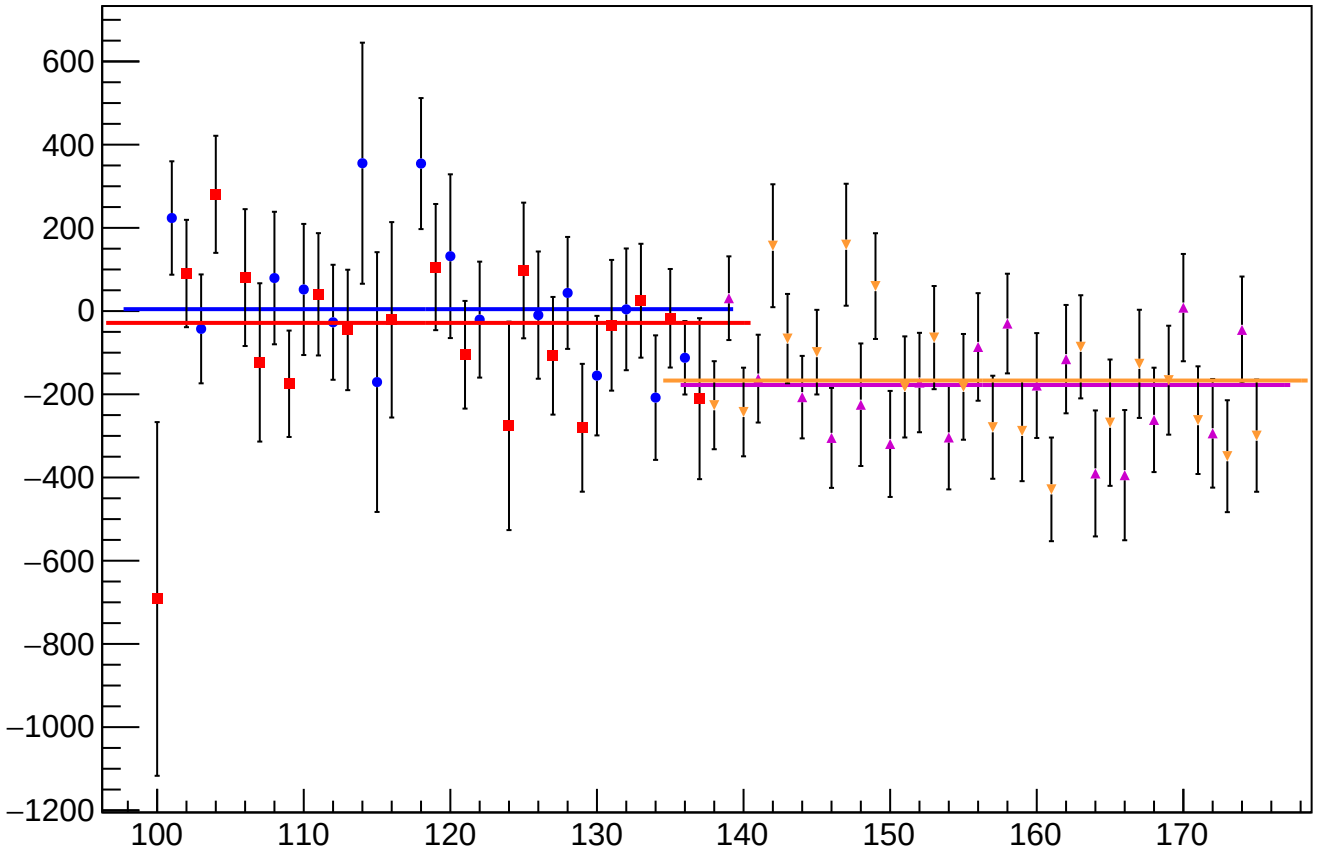
Left: 639.099+/-0.082 χ^2/NDF: 762466.1/37

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.522+/-0.099 χ^2/NDF:1251974.4/33

Out: 646.910+/-0.096 χ^2/NDF:1127797.3/38

All: 647.692+/-0.069 χ^2/NDF: 2379907.5/72



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -177.686+/-29.104 χ^2/NDF:18.4/17

Left: -172.045+/-20.062 χ^2/NDF: 44.9/37

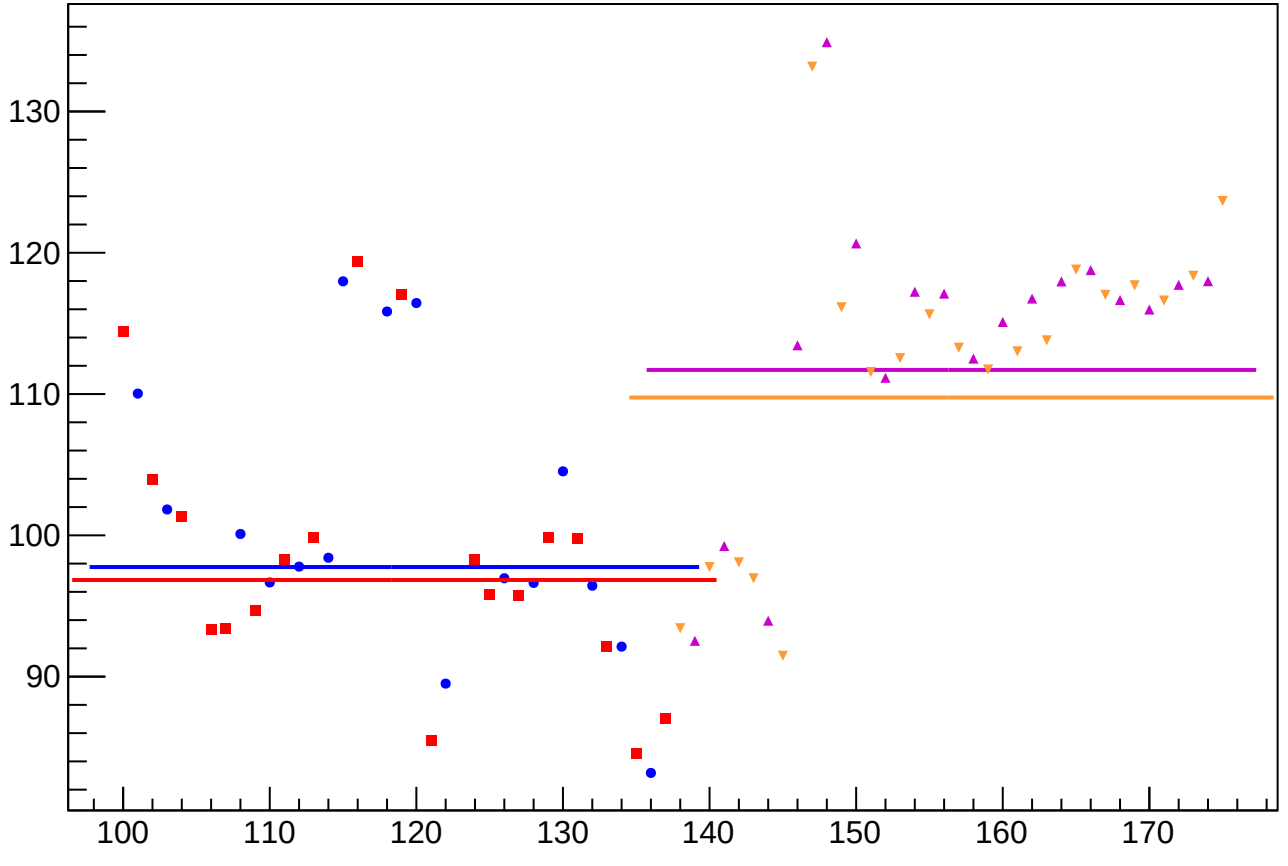
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -106.851+/-22.758 χ^2/NDF:49.0/33

Out: -114.467+/-21.826 χ^2/NDF:52.9/38

All: -110.818+/-15.753 χ^2/NDF: 102.0/72

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 109.756+/-0.020 χ^2/NDF:301874.2/19

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.707+/-0.021 χ^2/NDF:258477.2/17

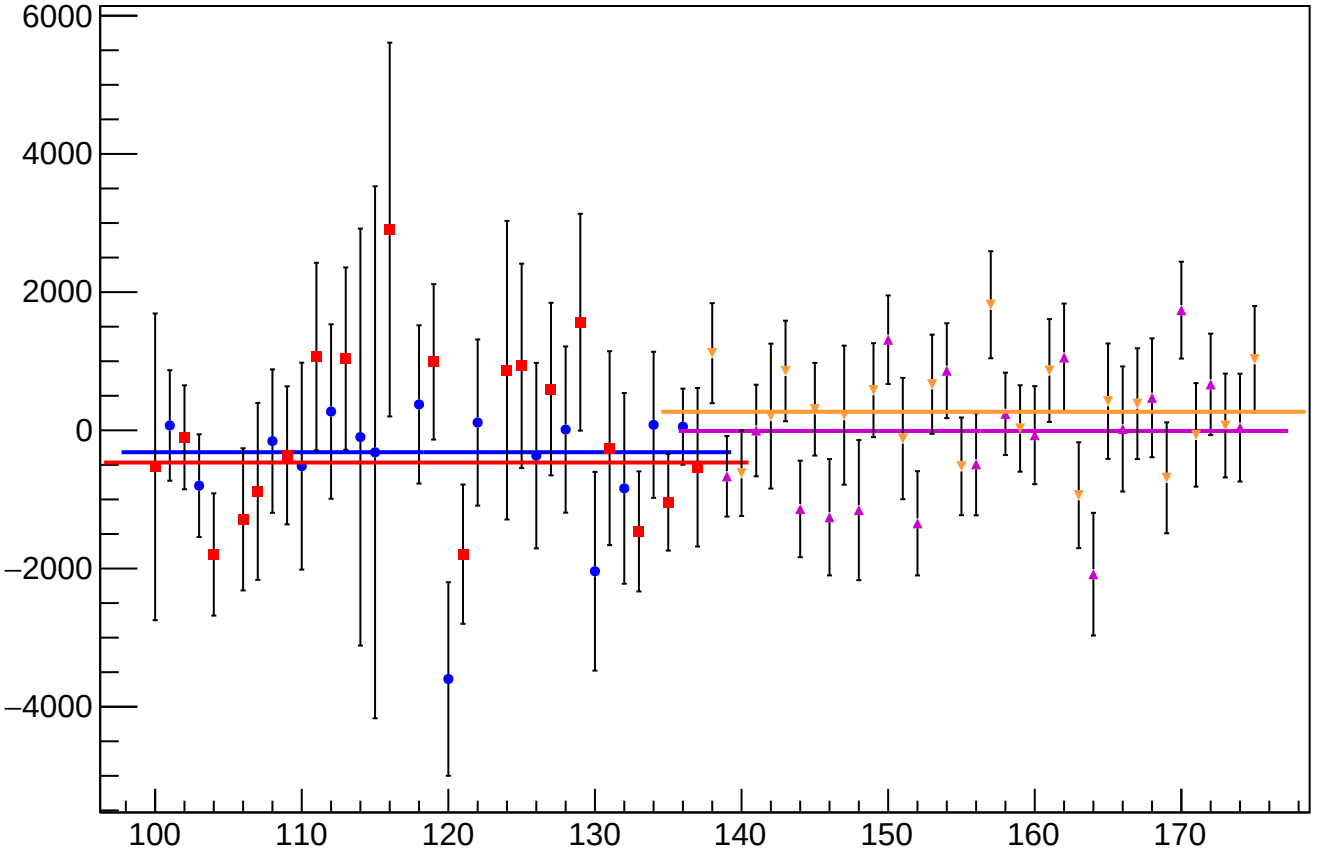
Left: 110.683+/-0.014 χ^2/NDF: 565072.5/37

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 106.287+/-0.016 χ^2/NDF:577710.6/33

Out: 104.863+/-0.015 χ^2/NDF:581838.5/38

All: 105.545+/-0.011 χ^2/NDF: 1163622.4/72



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.959 χ^2/NDF:16.1/19

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -9.478+/-172.473 χ^2/NDF:31.6/17

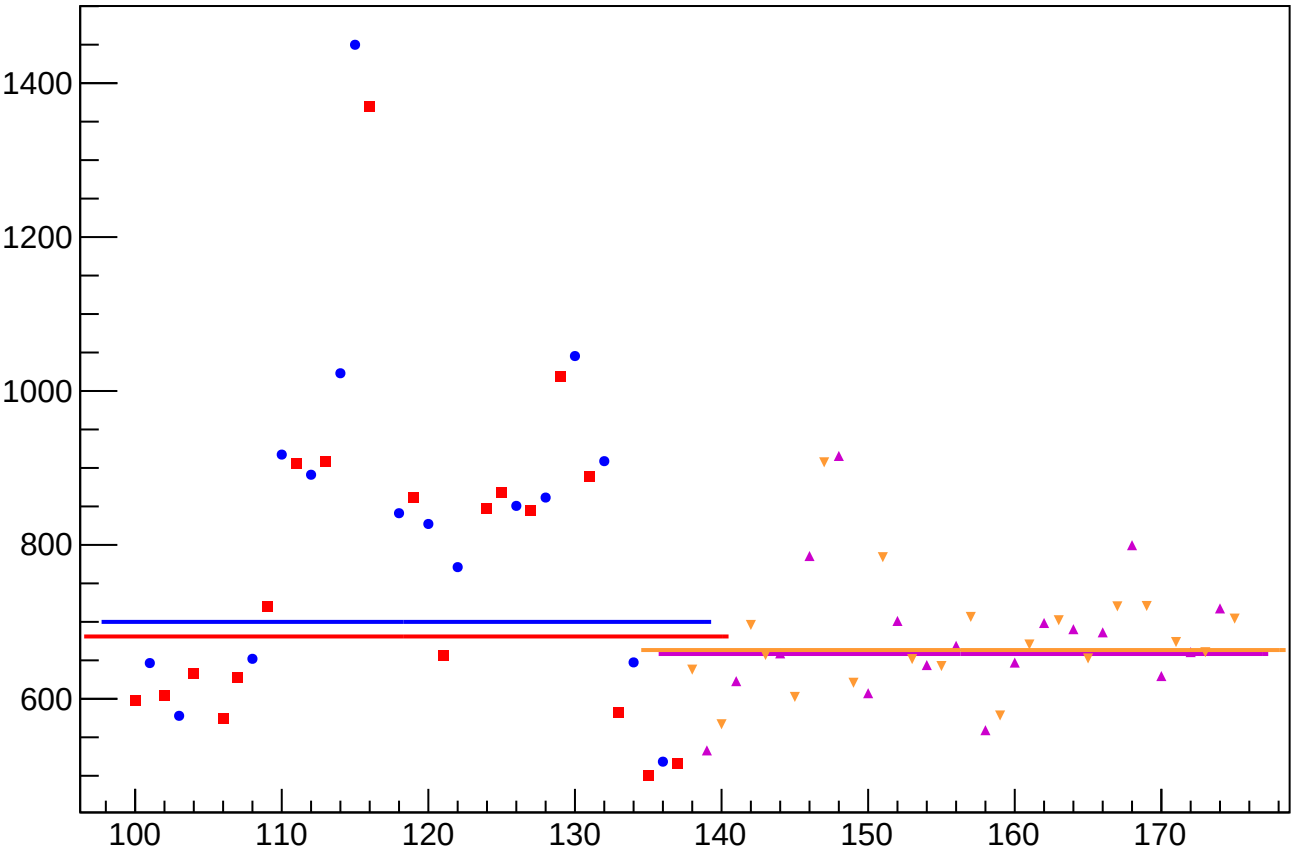
Left: 133.220+/-120.329 χ^2/NDF: 49.0/37

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -99.646+/-144.958 χ^2/NDF:41.7/33

Out: 48.410+/-140.539 χ^2/NDF:38.3/38

All: -23.327+/-100.902 χ^2/NDF: 80.5/72



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 663.381+/-0.119 χ^2/NDF:309996.9/19

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 658.229+/-0.122 χ^2/NDF:427159.2/17

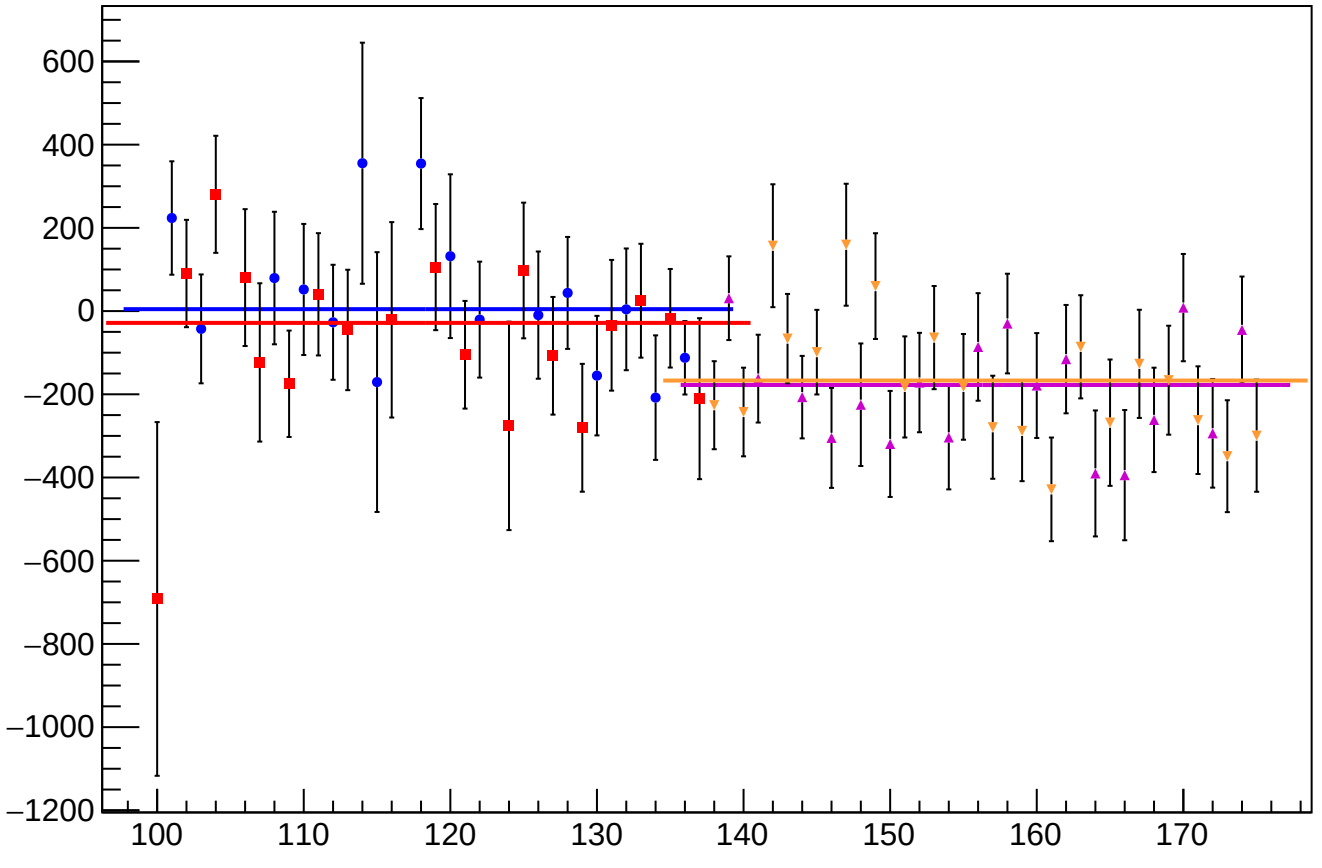
Left: 660.873+/-0.085 χ^2/NDF: 738072.2/37

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 670.486+/-0.103 χ^2/NDF:1215225.1/33

Out: 668.669+/-0.099 χ^2/NDF:1086005.8/38

All: 669.549+/-0.071 χ^2/NDF: 2301392.7/72



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -177.687+/-29.104 χ^2/NDF:18.4/17

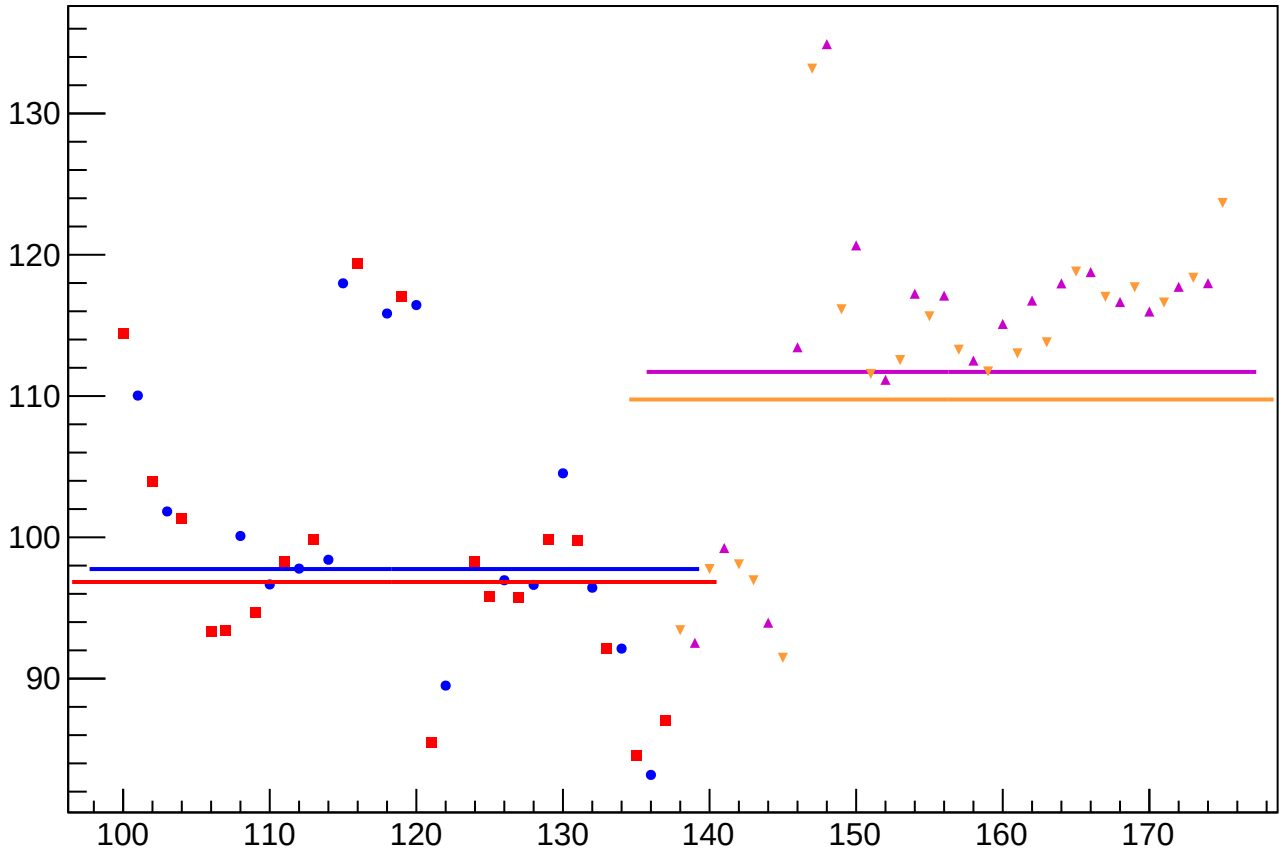
Left: -172.045+/-20.062 χ^2/NDF: 44.9/37

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -106.850+/-22.758 χ^2/NDF:49.0/33

Out: -114.467+/-21.826 χ^2/NDF:52.9/38

All: -110.818+/-15.753 χ^2/NDF: 102.0/72



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 109.756+/-0.020 χ^2/NDF:301872.8/19

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.708+/-0.021 χ^2/NDF:258475.2/17

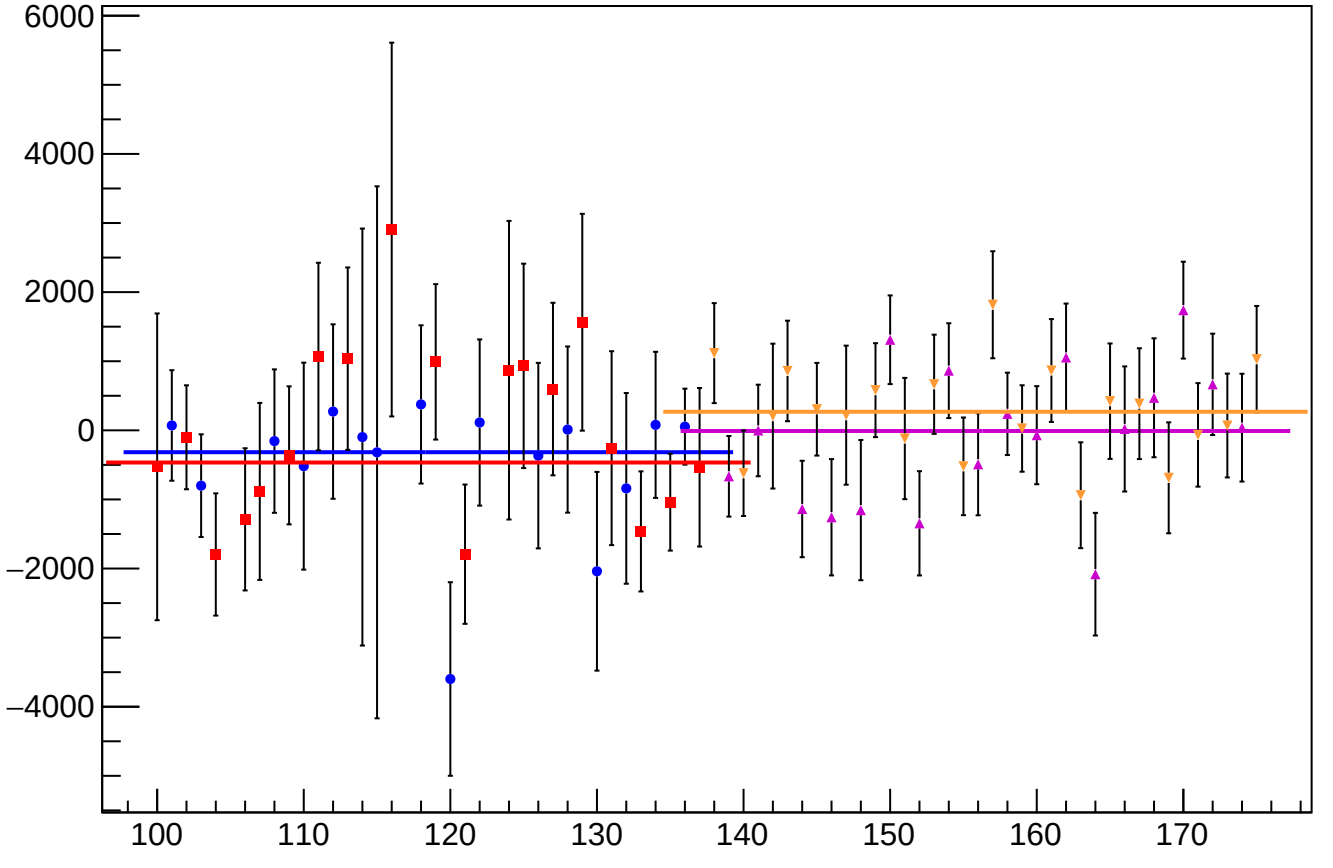
Left: 110.683+/-0.014 χ^2/NDF: 565069.3/37

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 106.286+/-0.016 χ^2/NDF:577719.6/33

Out: 104.863+/-0.015 χ^2/NDF:581849.5/38

All: 105.545+/-0.011 χ^2/NDF: 1163642.7/72



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.960 χ^2/NDF:16.1/19

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -9.478+/-172.473 χ^2/NDF:31.6/17

Left: 133.220+/-120.329 χ^2/NDF: 49.0/37

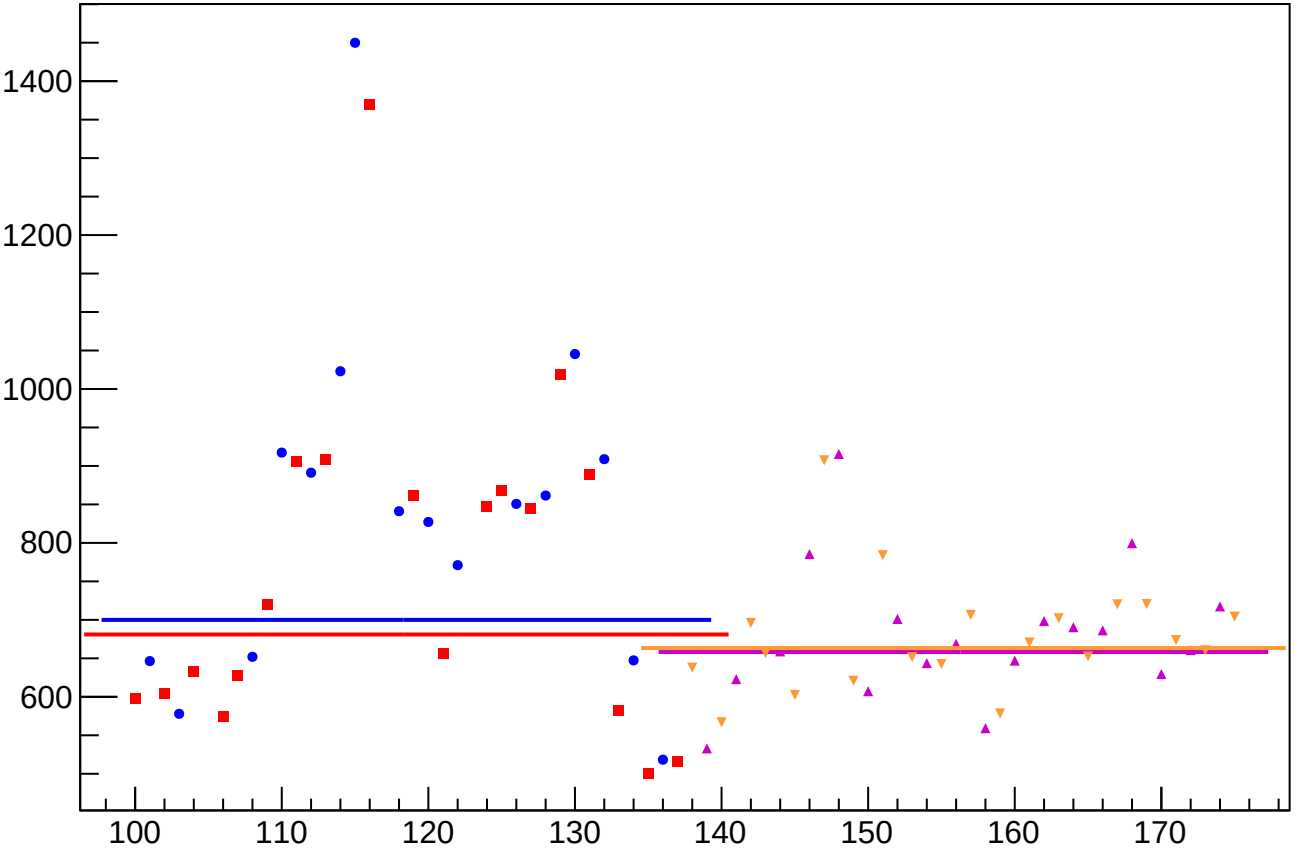
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -99.647+/-144.958 χ^2/NDF:41.7/33

Out: 48.409+/-140.539 χ^2/NDF:38.3/38

All: -23.328+/-100.902 χ^2/NDF: 80.5/72

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 663.382+/-0.119 χ^2/NDF:309996.4/19

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 658.229+/-0.122 χ^2/NDF:427160.2/17

Left: 660.874+/-0.085 χ^2/NDF: 738072.6/37

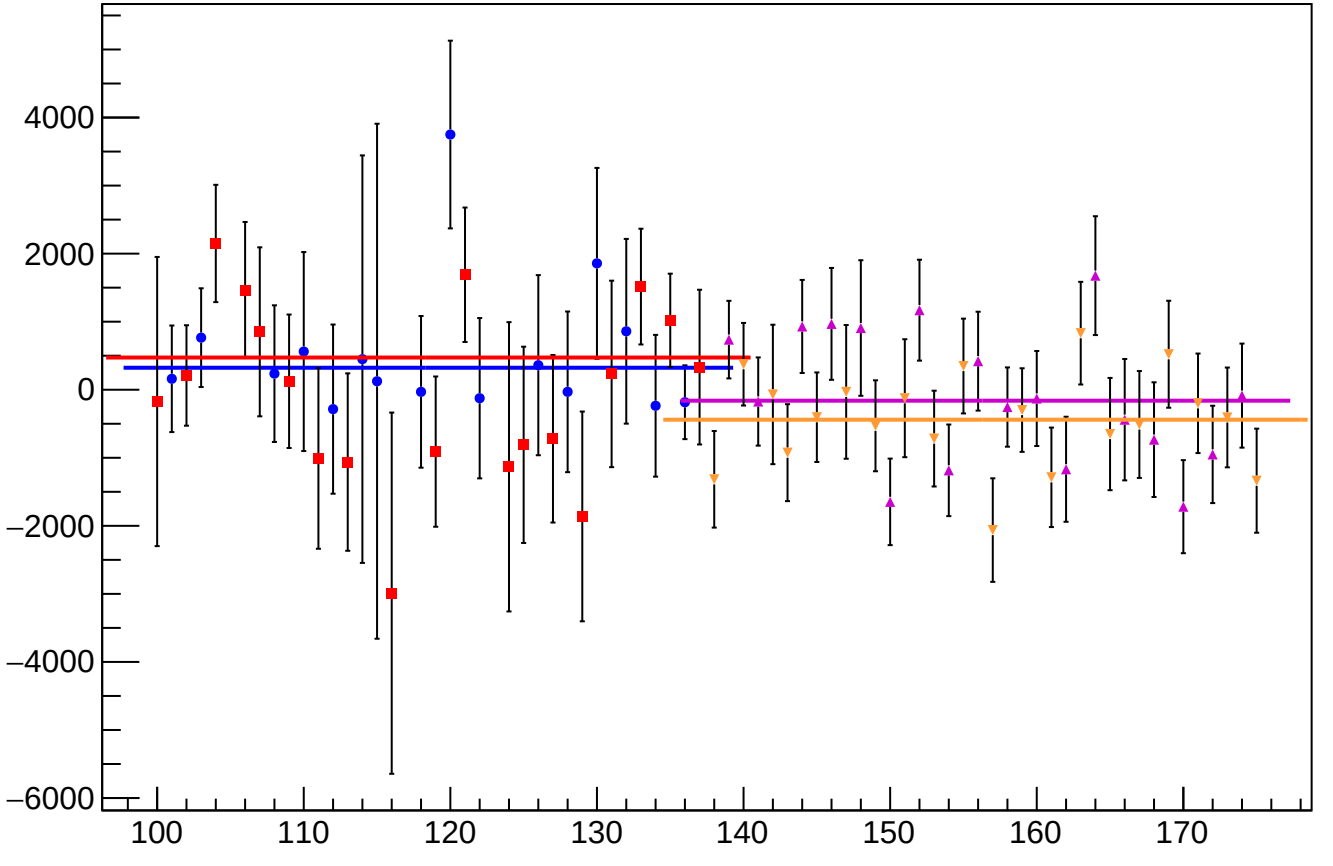
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 670.486+/-0.103 χ^2/NDF:1215225.3/33

Out: 668.669+/-0.099 χ^2/NDF:1086006.8/38

All: 669.549+/-0.071 χ^2/NDF: 2301394.0/72

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -440.343+/-164.898 χ^2/NDF:17.5/19

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -160.950+/-169.182 χ^2/NDF:32.8/17

Left: -304.229+/-118.086 χ^2/NDF: 51.8/37

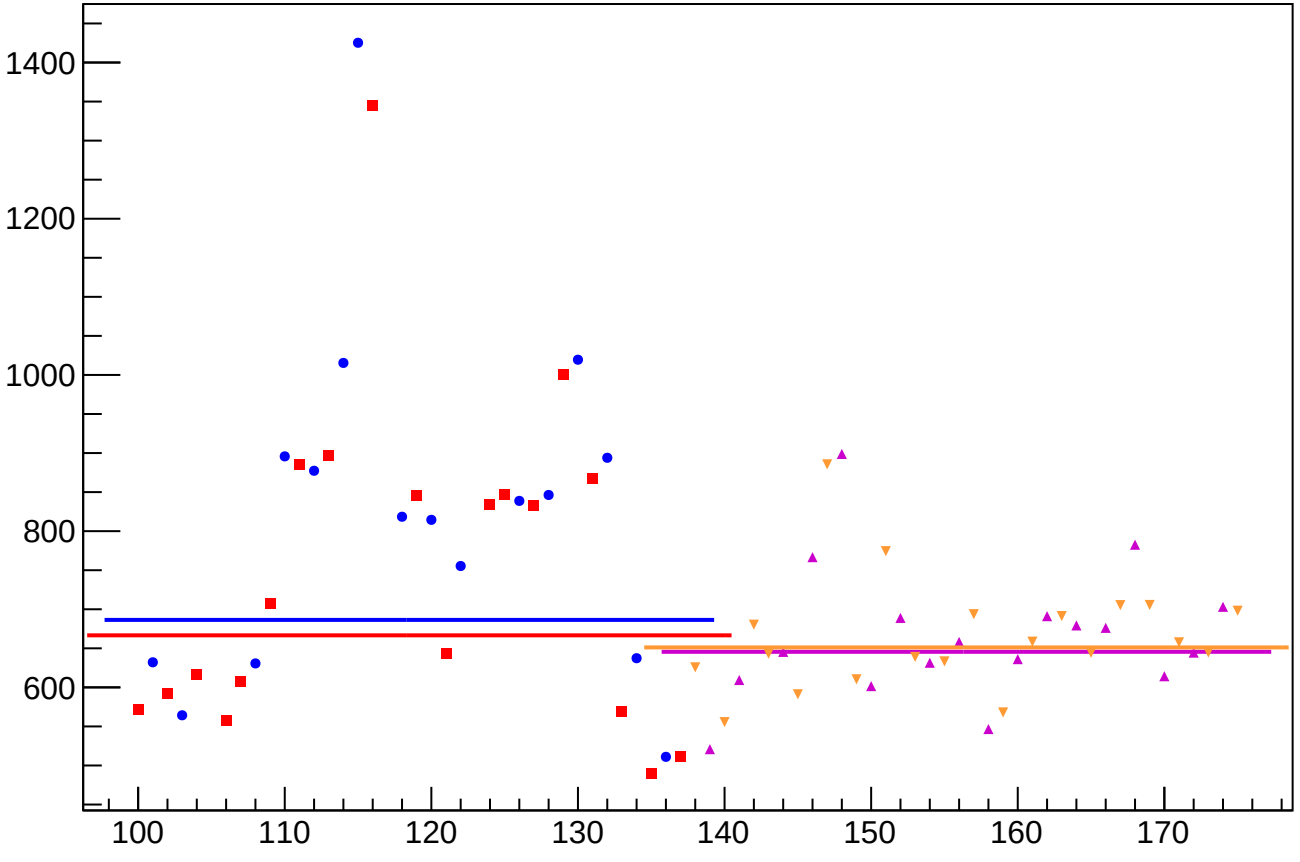
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -18.735+/-142.179 χ^2/NDF:44.9/33

Out: -165.423+/-137.872 χ^2/NDF:46.2/38

All: -94.334+/-98.978 χ^2/NDF: 91.7/72

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 651.166+/-0.117 χ^2/NDF:310292.1/19

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 645.539+/-0.120 χ^2/NDF:431482.1/17

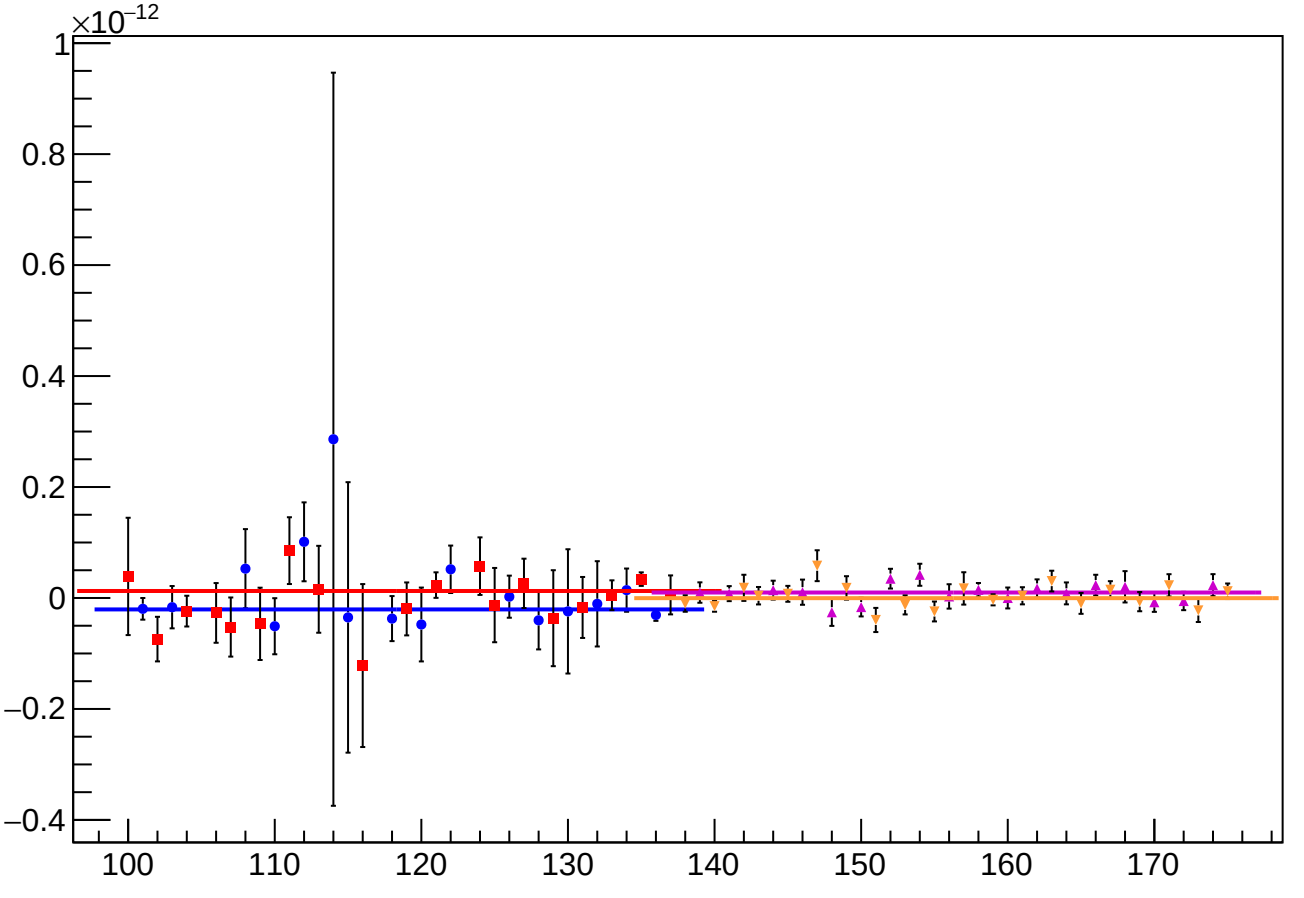
Left: 648.425+/-0.083 χ^2/NDF: 742908.9/37

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 657.540+/-0.101 χ^2/NDF:1215196.3/33

Out: 655.821+/-0.097 χ^2/NDF:1092621.7/38

All: 656.654+/-0.070 χ^2/NDF: 2307968.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/17

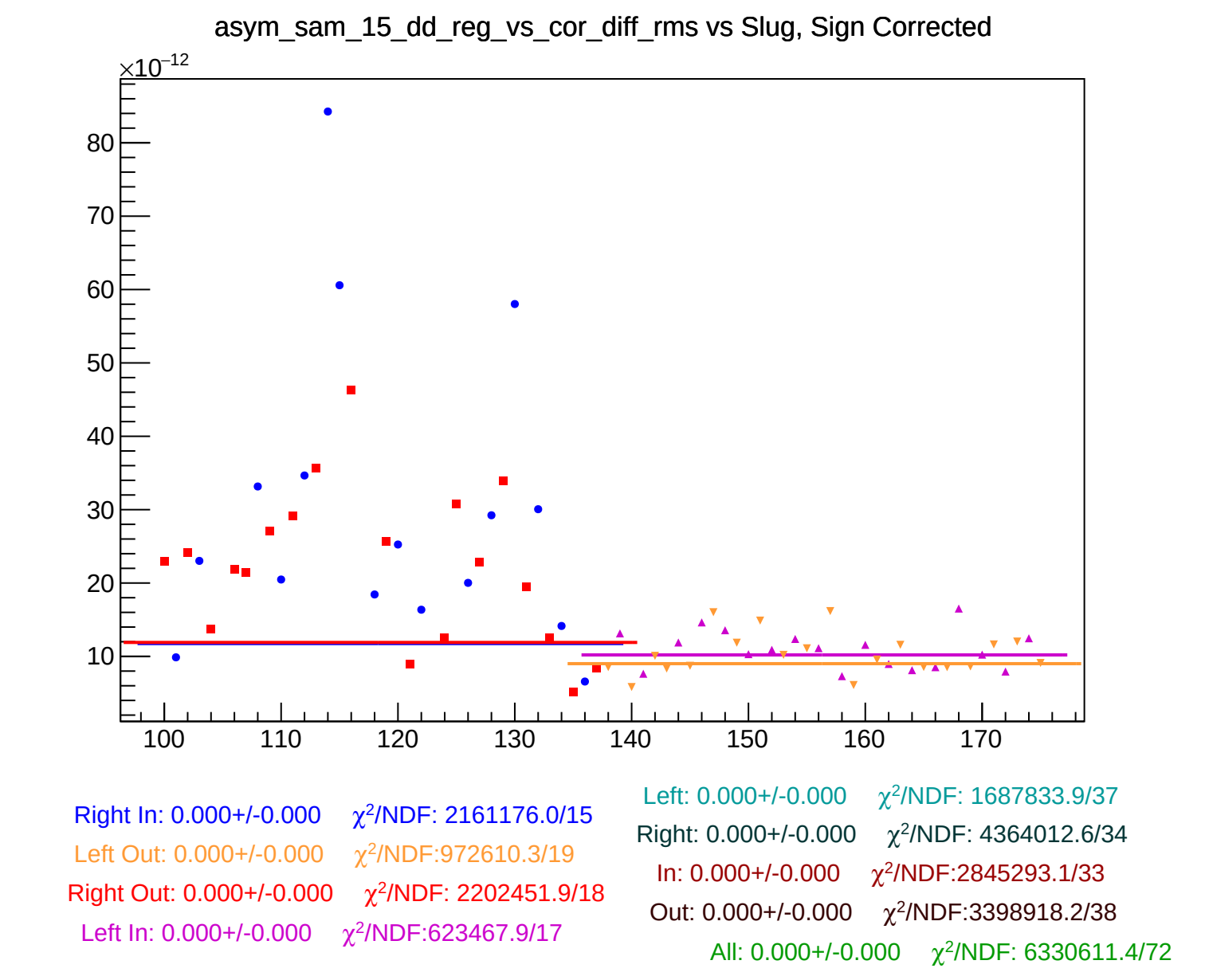
Left: 0.000+/-0.000 χ^2/NDF: 38.3/37

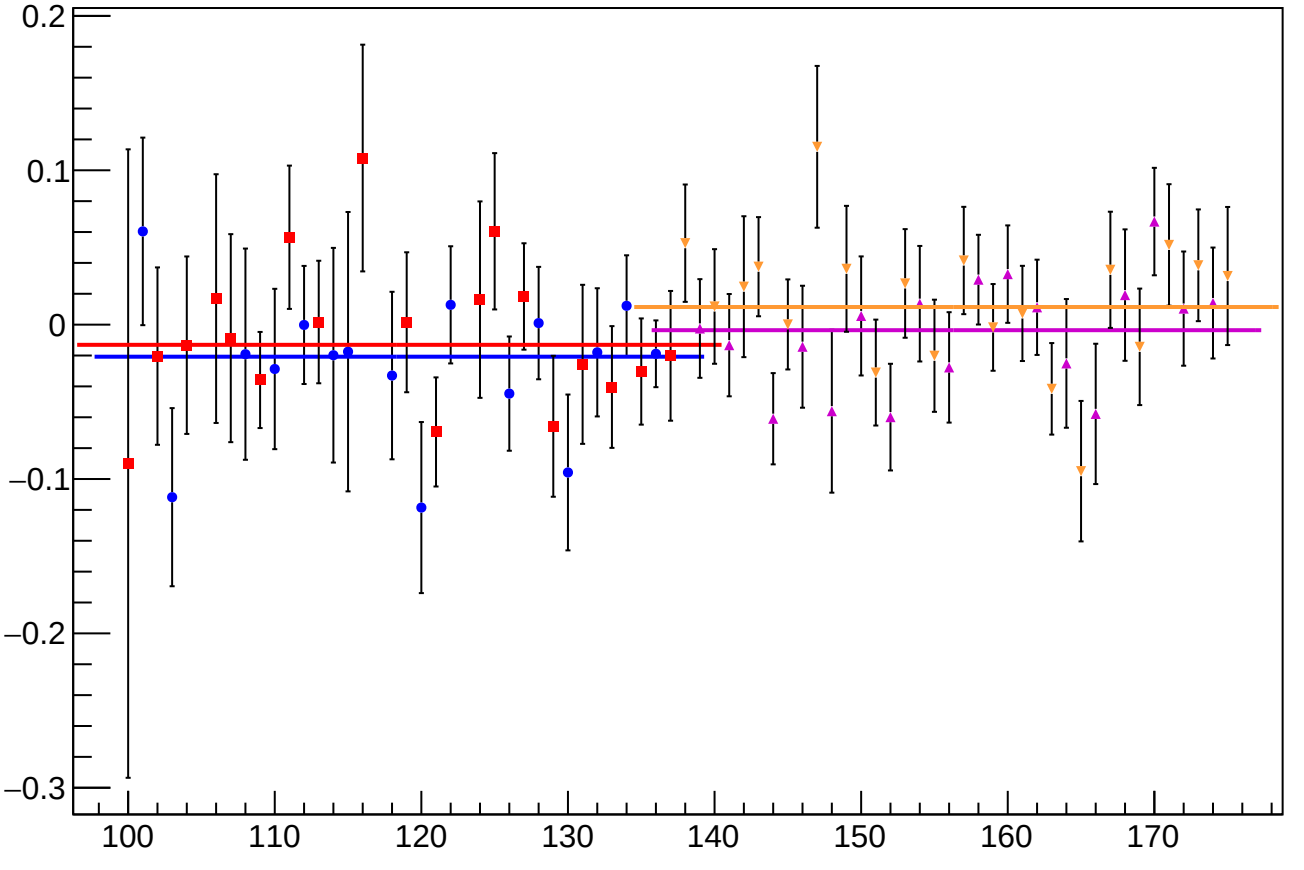
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:34.6/33

Out: 0.000+/-0.000 χ^2/NDF:41.4/38

All: 0.000+/-0.000 χ^2/NDF: 76.0/72


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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:972610.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:623467.9/17
Left: 0.000+/-0.000 χ²/NDF: 1687833.9/37
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2845293.1/33
Out: 0.000+/-0.000 χ²/NDF:3398918.2/38
All: 0.000+/-0.000 χ²/NDF: 6330611.4/72



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

Left: 0.004+/-0.006 χ^2/NDF: 40.4/37

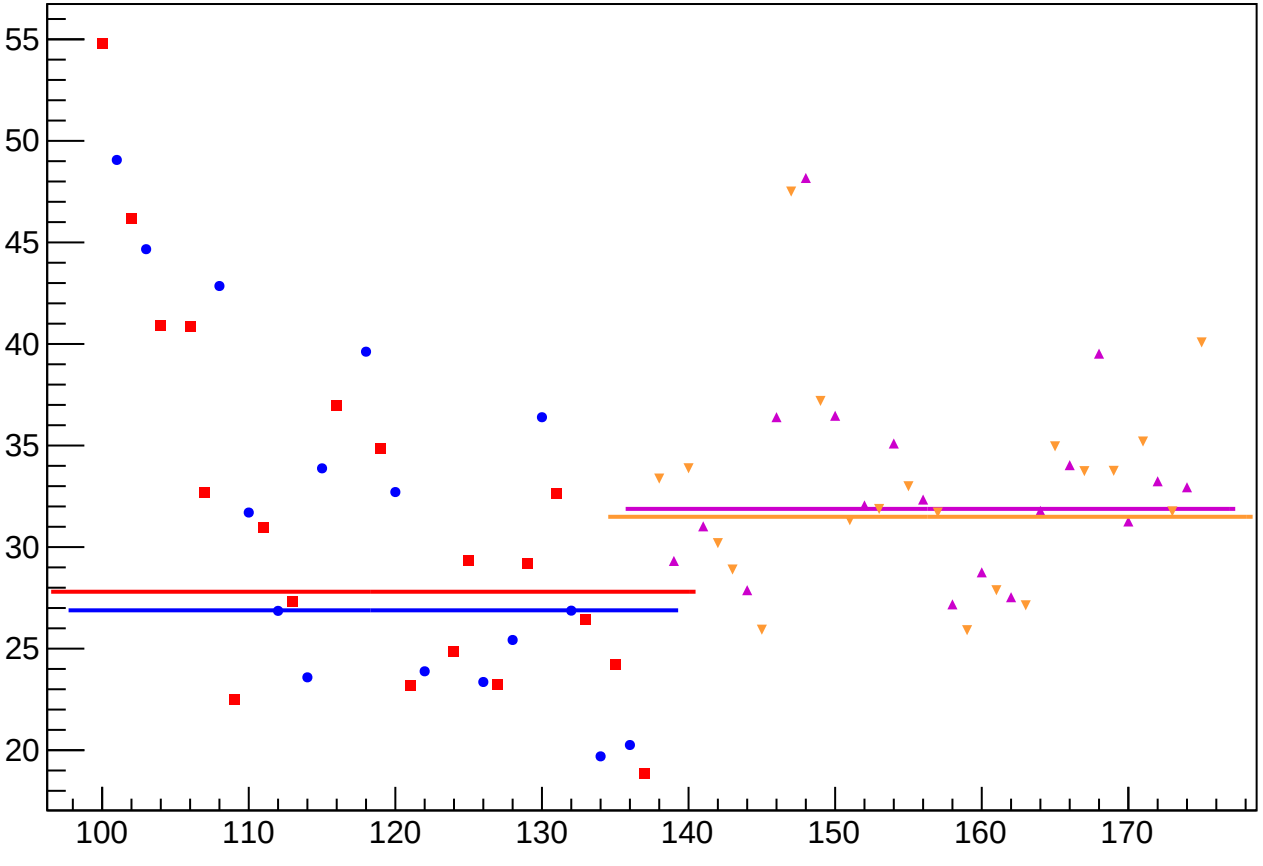
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.2/72

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

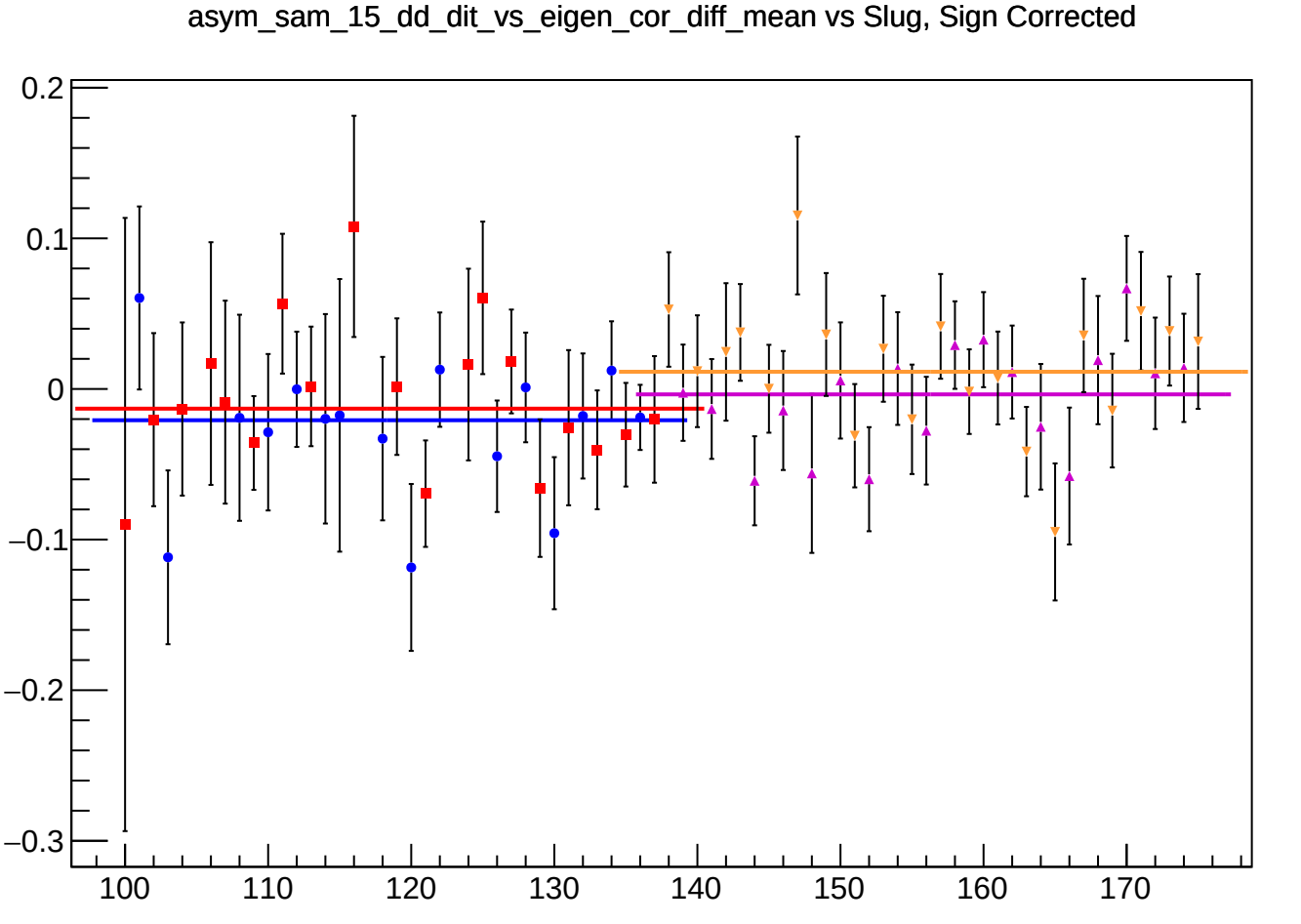
Left: 31.678+/-0.004 χ^2/NDF: 1096172.5/37

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.938+/-0.005 χ^2/NDF:1893218.0/33

Out: 30.137+/-0.005 χ^2/NDF:1515430.8/38

All: 30.040+/-0.003 χ^2/NDF: 3409594.8/72



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

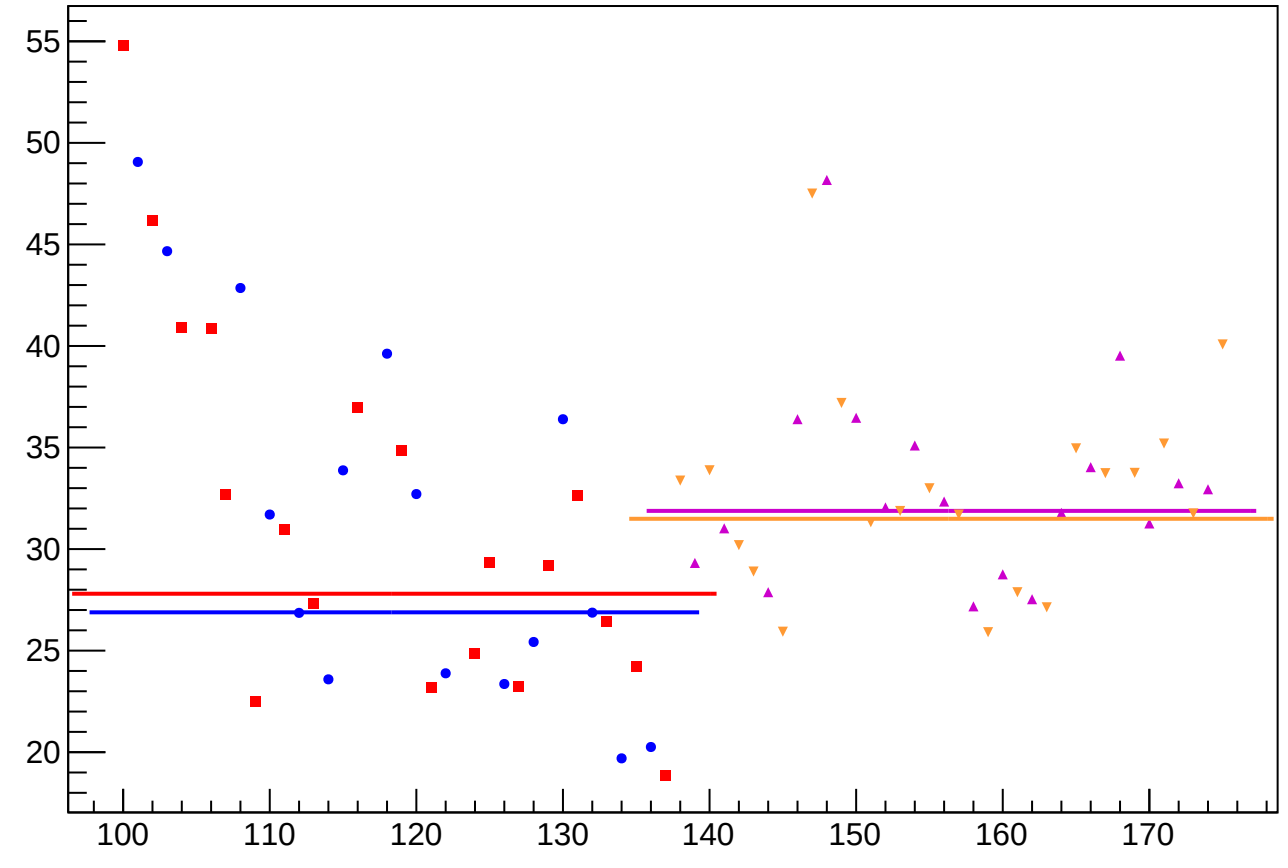
Left: 0.004+/-0.006 χ^2/NDF: 40.4/37

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.2/72



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

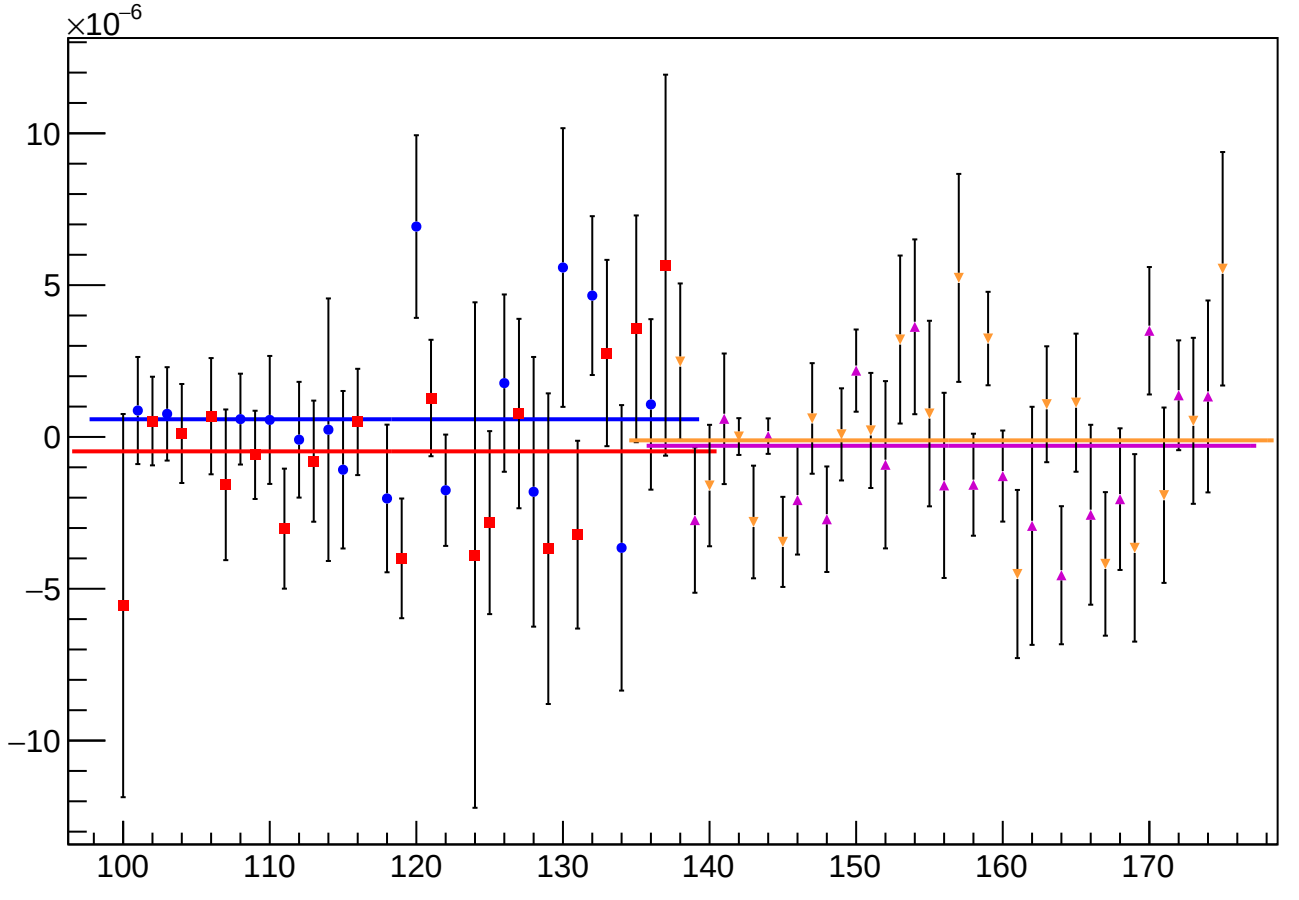
Left: 31.678+/-0.004 χ^2/NDF: 1096172.5/37

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.938+/-0.005 χ^2/NDF:1893218.0/33

Out: 30.137+/-0.005 χ^2/NDF:1515430.8/38

All: 30.040+/-0.003 χ^2/NDF: 3409594.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.4/17

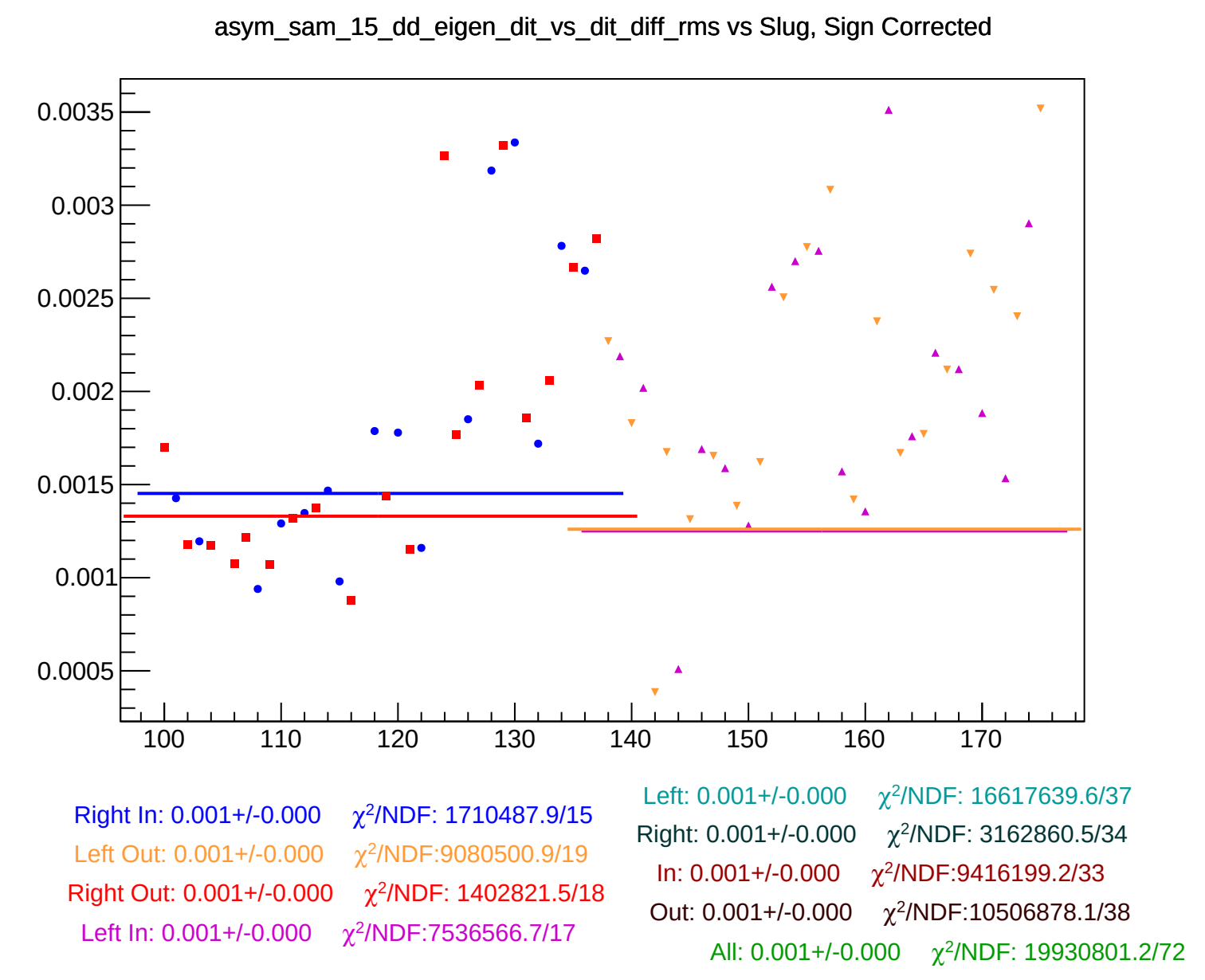
Left: -0.000+/-0.000 χ^2/NDF: 48.3/37

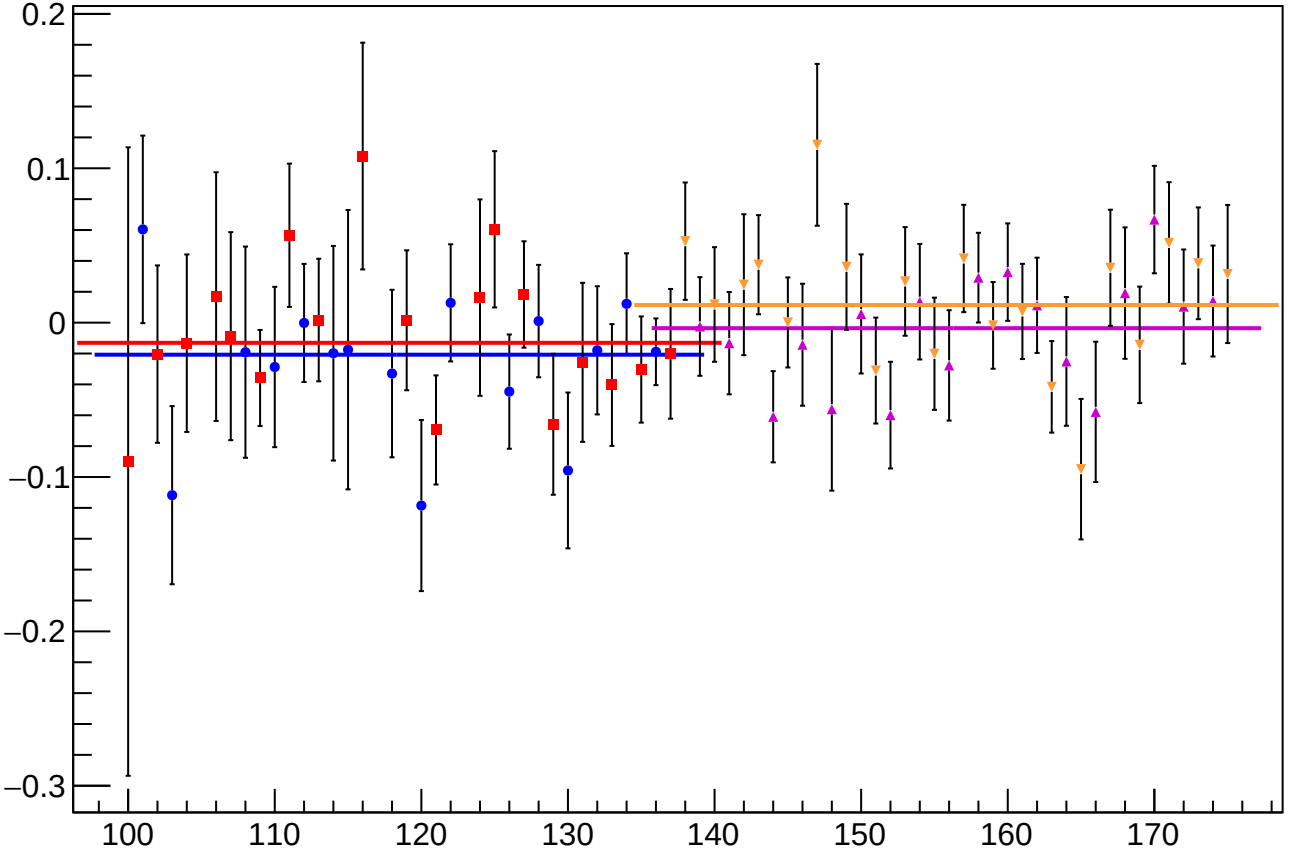
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:34.7/33

Out: -0.000+/-0.000 χ^2/NDF:41.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.3/72


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:9080500.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:7536566.7/17
Left: 0.001+/-0.000 χ²/NDF: 16617639.6/37
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:9416199.2/33
Out: 0.001+/-0.000 χ²/NDF:10506878.1/38
All: 0.001+/-0.000 χ²/NDF: 19930801.2/72



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

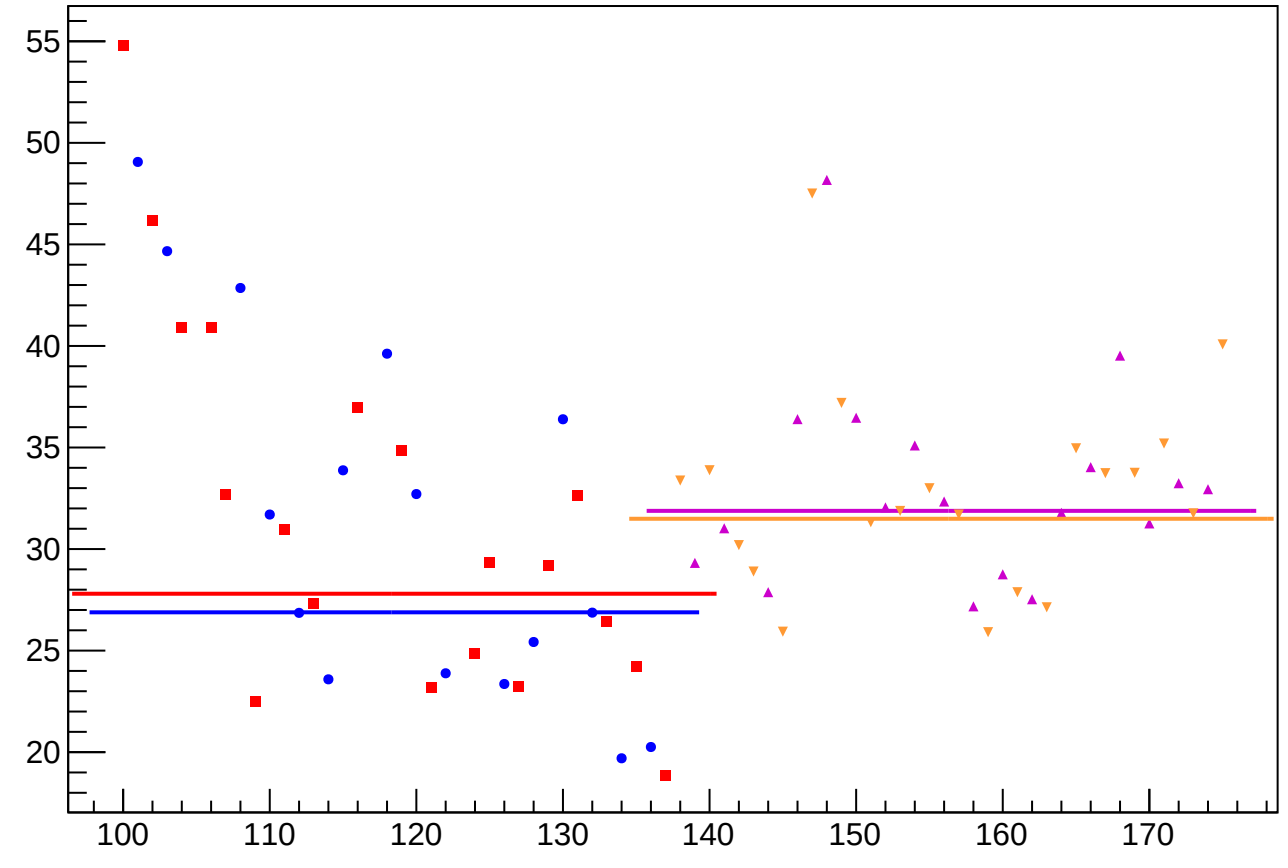
Left: 0.004+/-0.006 χ^2/NDF: 40.4/37

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.2/72



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

Left: 31.678+/-0.004 χ^2/NDF: 1096407.9/37

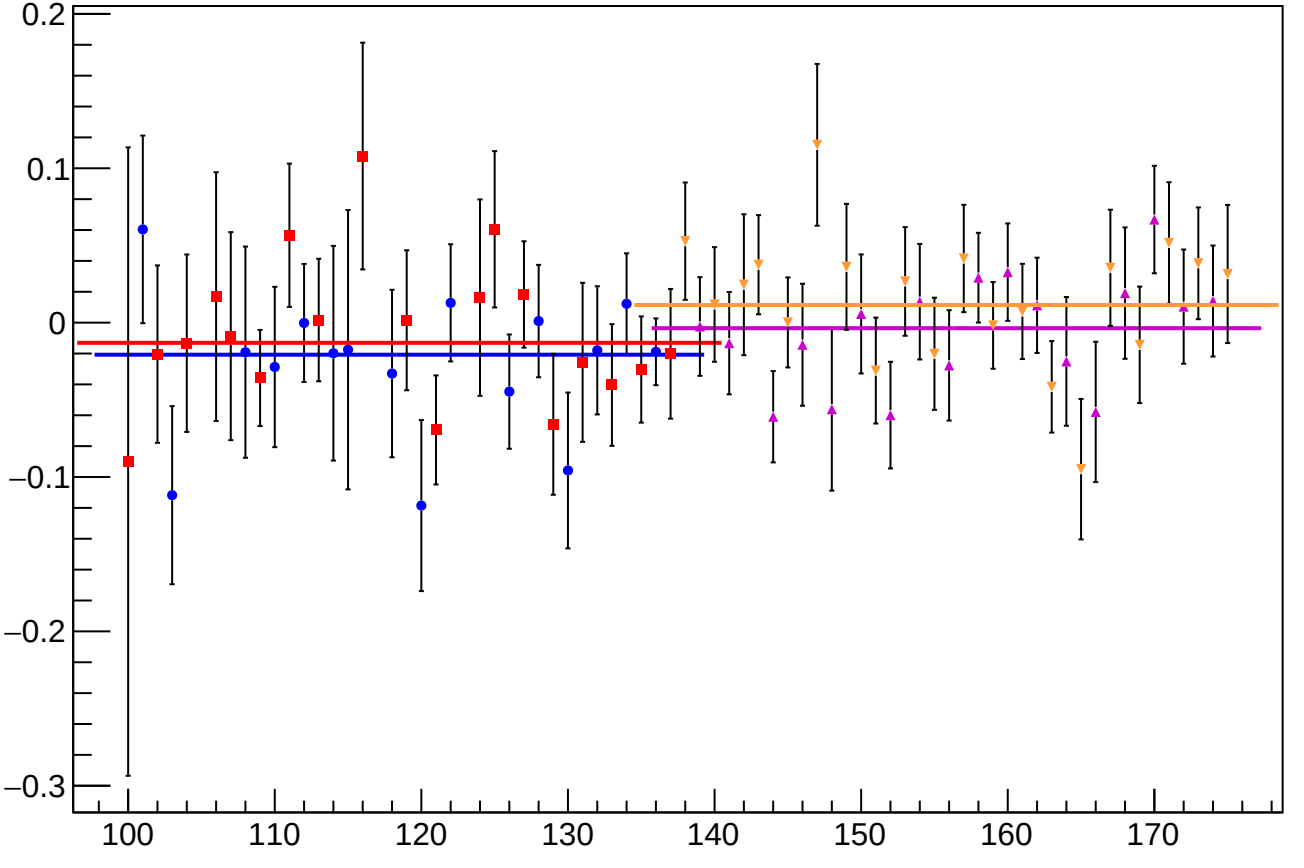
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.937+/-0.005 χ^2/NDF:1893445.8/33

Out: 30.136+/-0.005 χ^2/NDF:1515786.1/38

All: 30.039+/-0.003 χ^2/NDF: 3410176.0/72

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

Left: 0.004+/-0.006 χ^2/NDF: 40.4/37

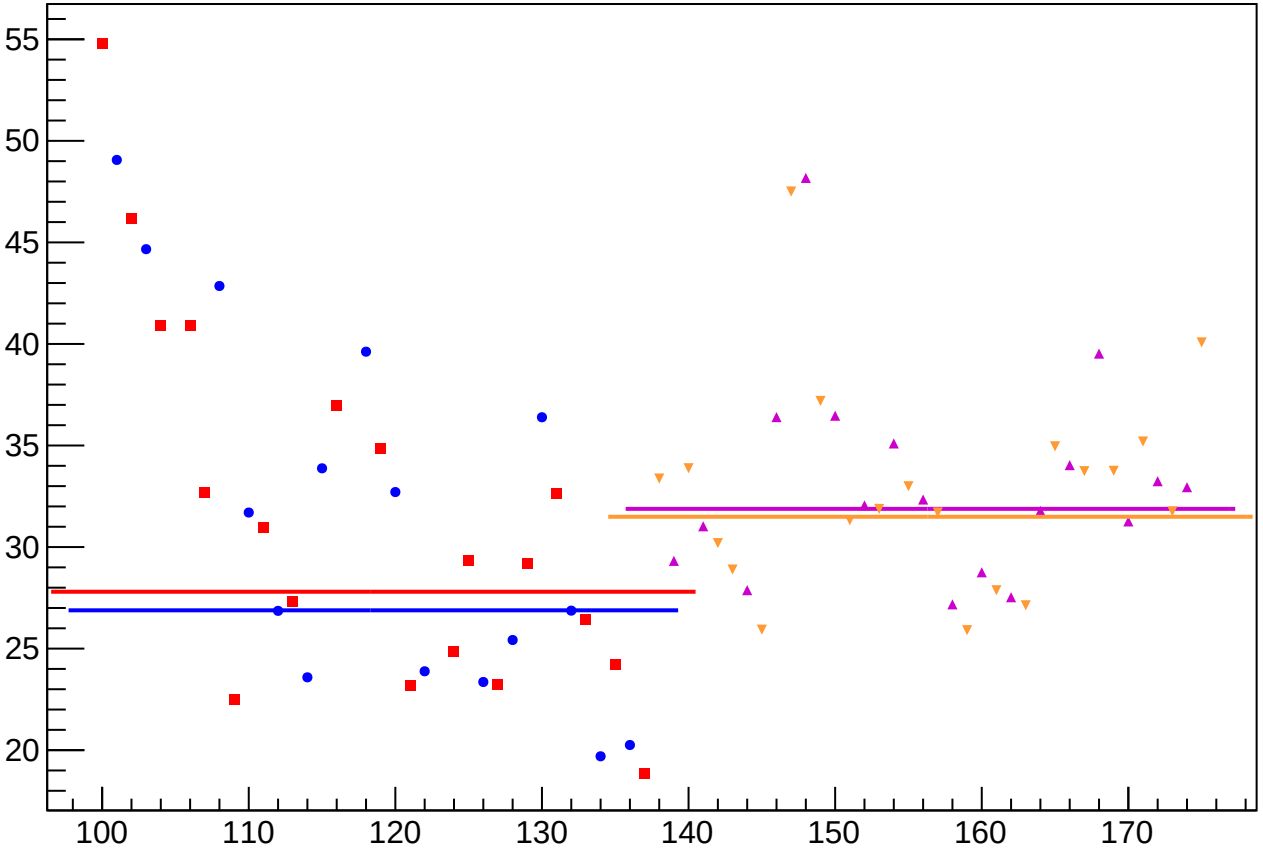
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.2/72

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

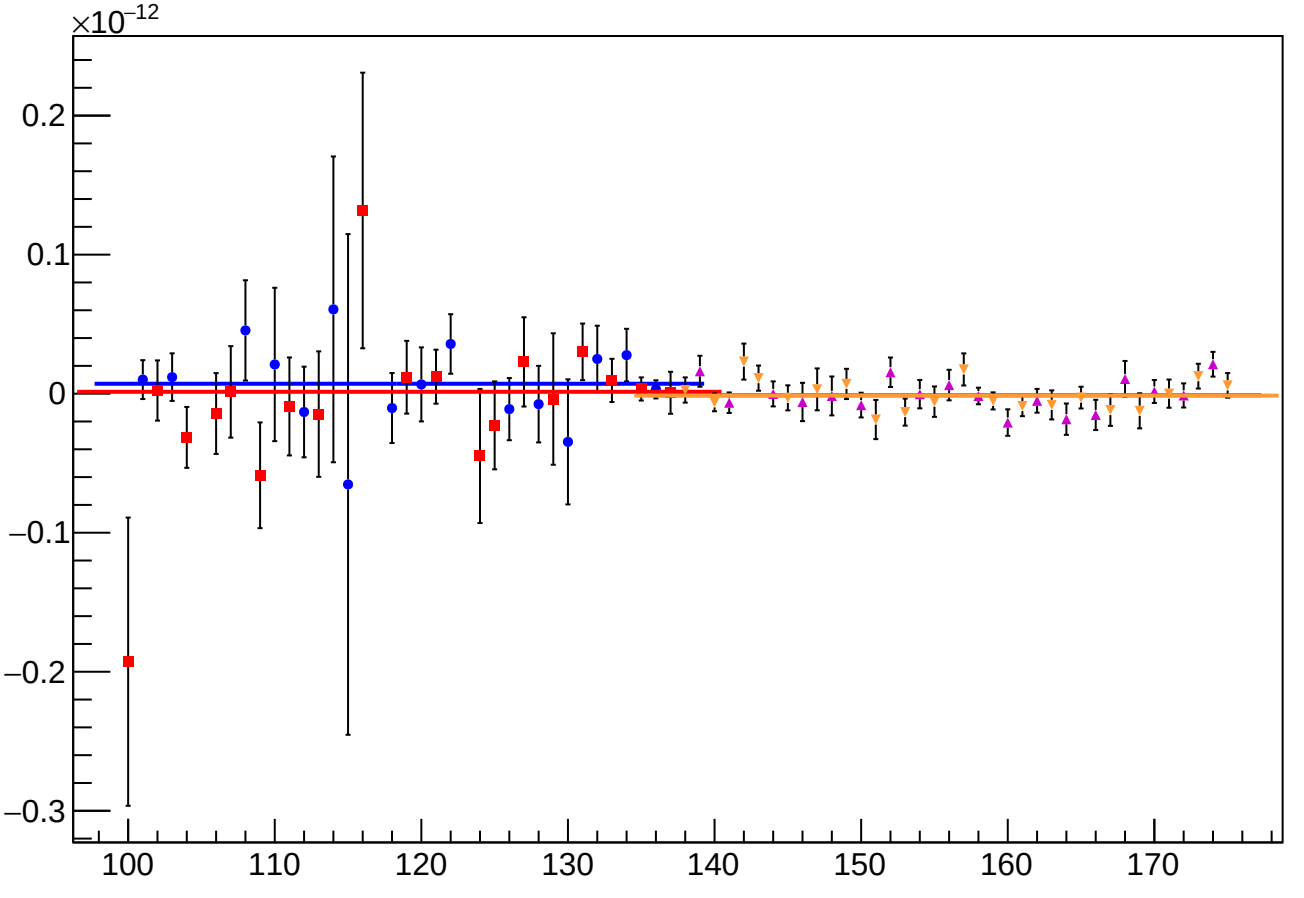
Left: 31.678+/-0.004 χ^2/NDF: 1096407.9/37

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.937+/-0.005 χ^2/NDF:1893445.8/33

Out: 30.136+/-0.005 χ^2/NDF:1515786.1/38

All: 30.039+/-0.003 χ^2/NDF: 3410176.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/17

Left: -0.000+/-0.000 χ^2/NDF: 41.7/37

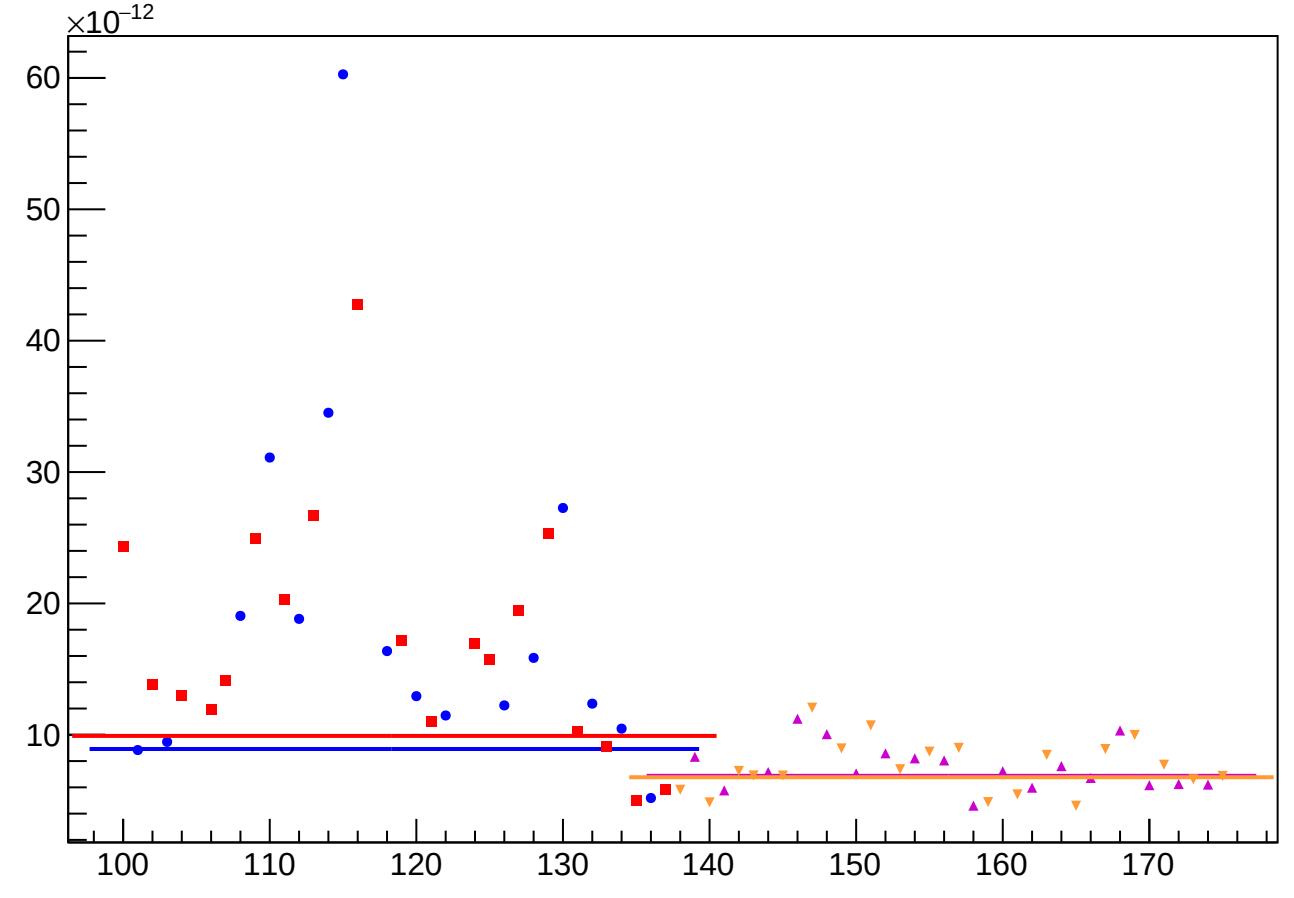
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:33.2/33

Out: -0.000+/-0.000 χ^2/NDF:34.9/38

All: -0.000+/-0.000 χ^2/NDF: 68.4/72

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1516381.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:995549.0/17

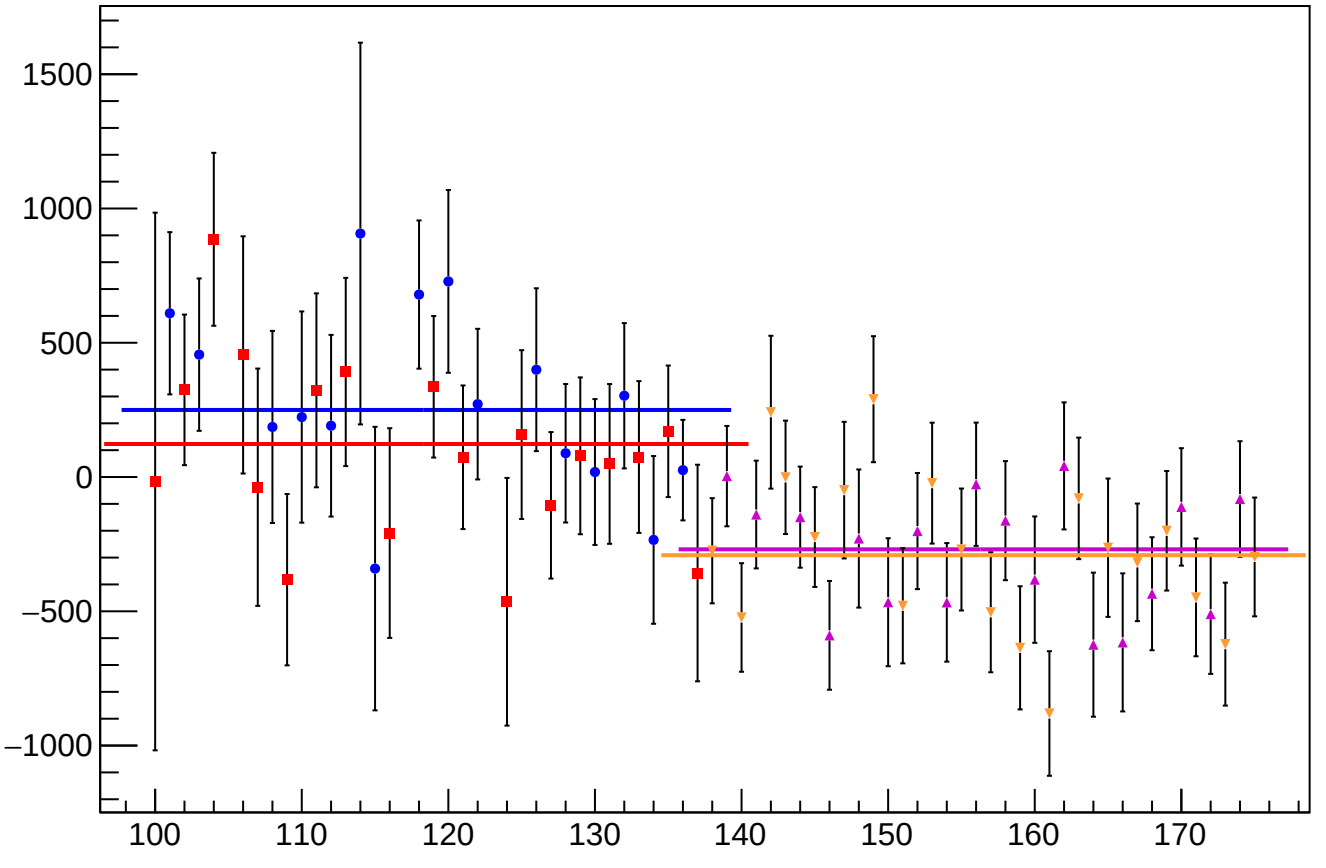
Left: 0.000+/-0.000 χ^2/NDF: 2514424.7/37

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3721235.7/33

Out: 0.000+/-0.000 χ^2/NDF:4873735.3/38

All: 0.000+/-0.000 χ^2/NDF: 8595096.6/72



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.010+/-49.852 χ^2/NDF:29.4/19

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -269.222+/-51.976 χ^2/NDF:17.0/17

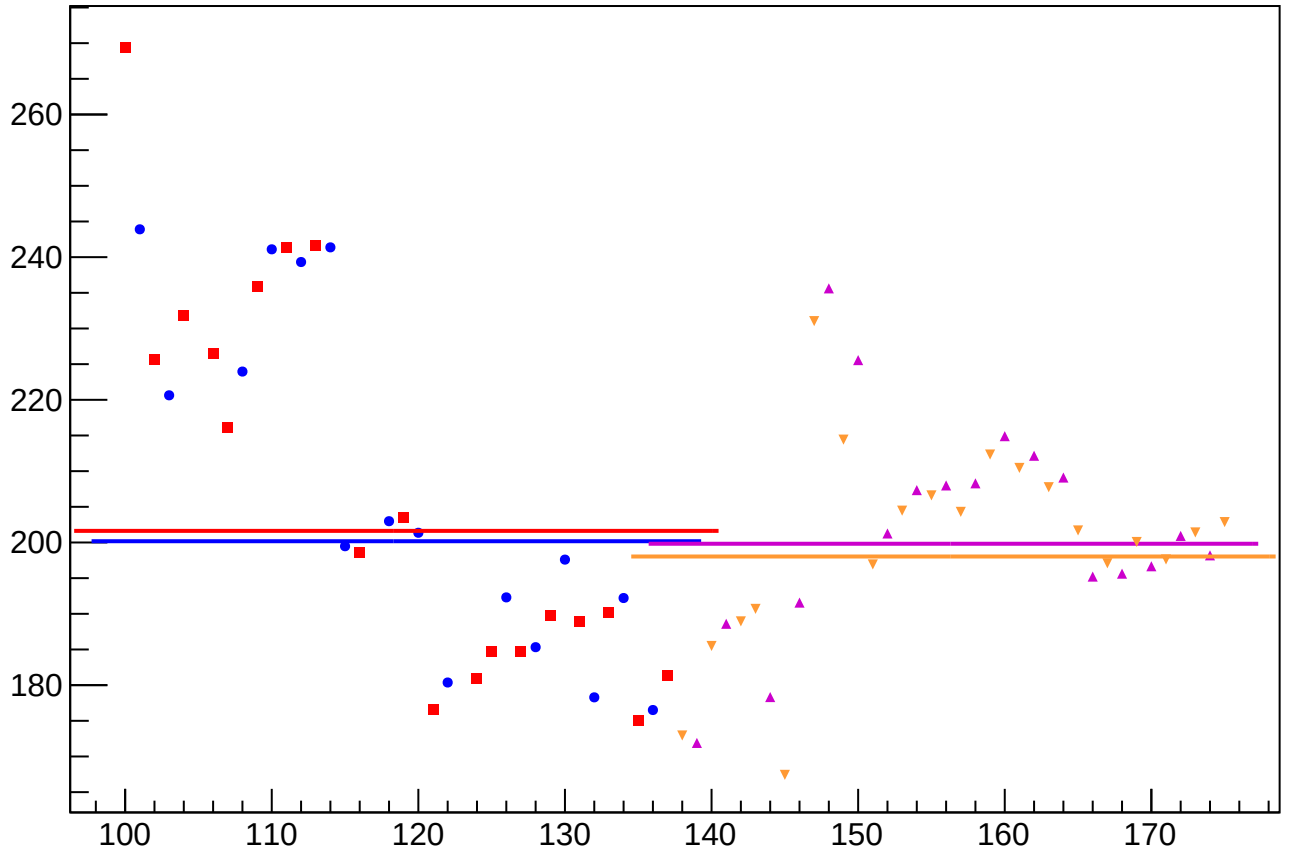
Left: -280.570+/-35.978 χ^2/NDF: 46.5/37

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -100.468+/-42.697 χ^2/NDF:63.2/33

Out: -162.659+/-41.409 χ^2/NDF:66.3/38

All: -132.516+/-29.726 χ^2/NDF: 130.6/72



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

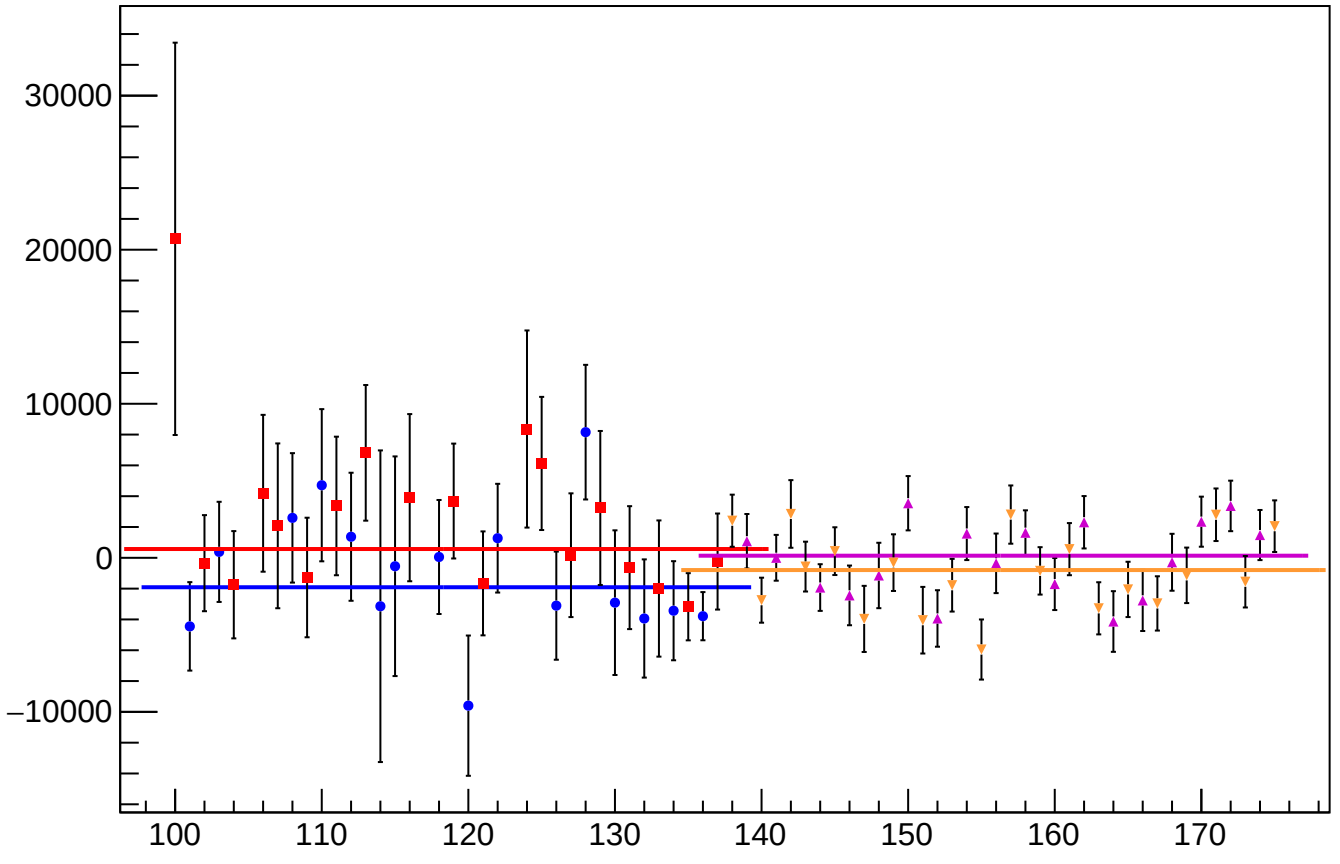
Left: 198.891+/-0.025 χ^2/NDF: 337524.7/37

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.937+/-0.030 χ^2/NDF:349361.3/33

Out: 199.149+/-0.029 χ^2/NDF:368428.5/38

All: 199.531+/-0.021 χ^2/NDF: 718141.5/72



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 137.319+/-407.484 χ^2/NDF:30.9/17

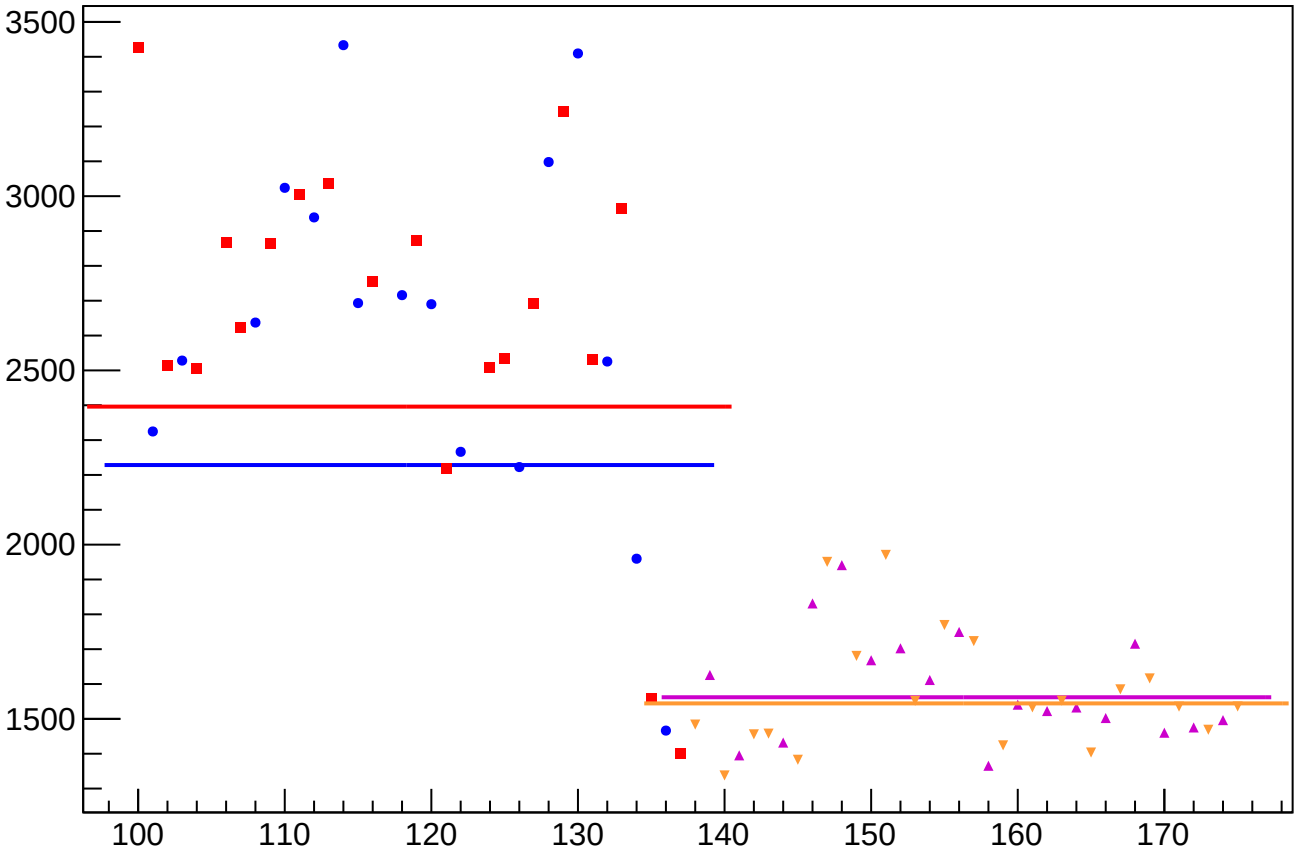
Left: -348.600+/-281.976 χ^2/NDF: 70.2/37

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -238.758+/-368.168 χ^2/NDF:51.8/33

Out: -578.750+/-358.339 χ^2/NDF:53.2/38

All: -413.353+/-256.788 χ^2/NDF: 105.4/72



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.377+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1562.035+/-0.288 χ^2/NDF:255034.0/17

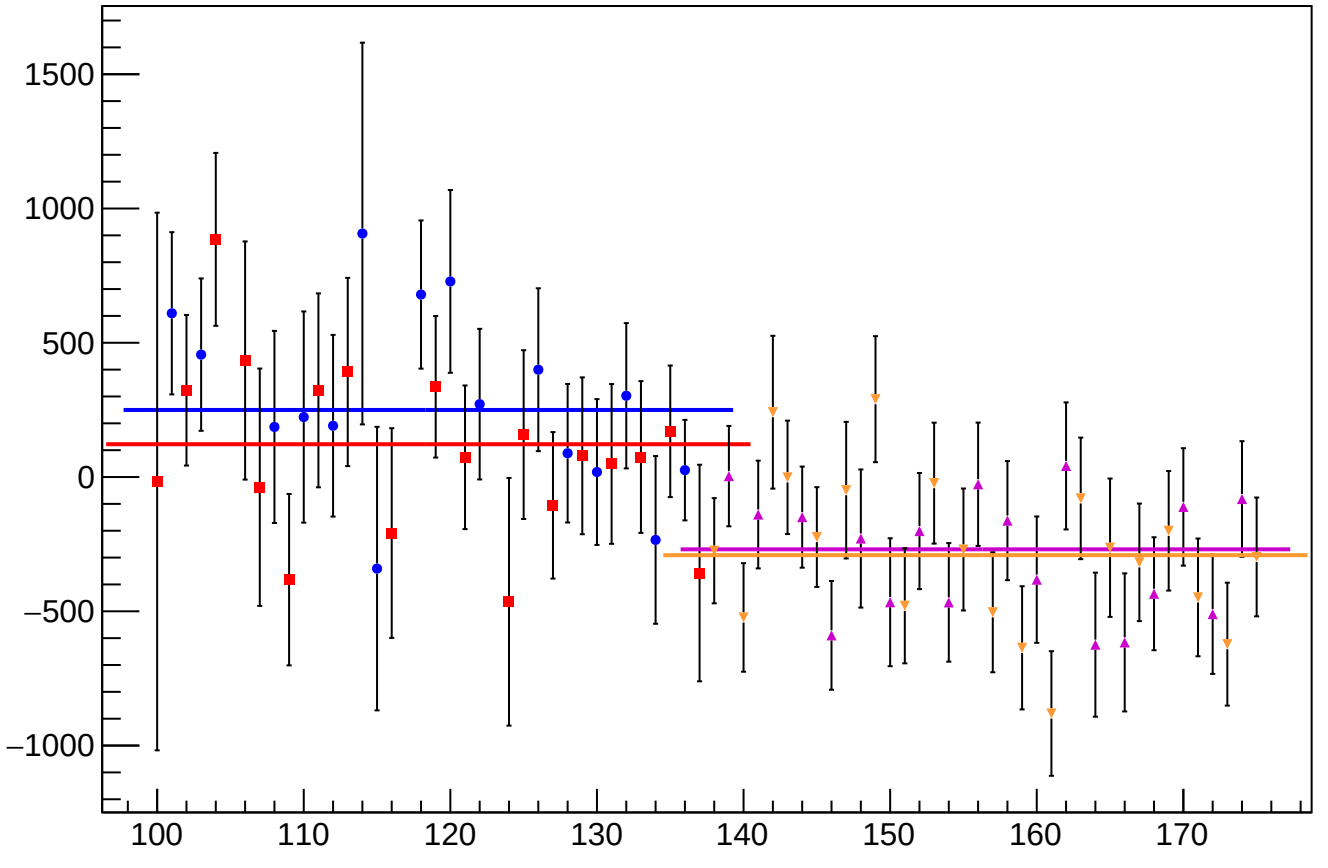
Left: 1552.833+/-0.199 χ^2/NDF: 568341.3/37

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1684.426+/-0.260 χ^2/NDF:2185094.5/33

Out: 1679.260+/-0.253 χ^2/NDF:2616731.7/38

All: 1681.773+/-0.182 χ^2/NDF: 4802028.5/72



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -269.225+/-51.976 χ^2/NDF:17.0/17

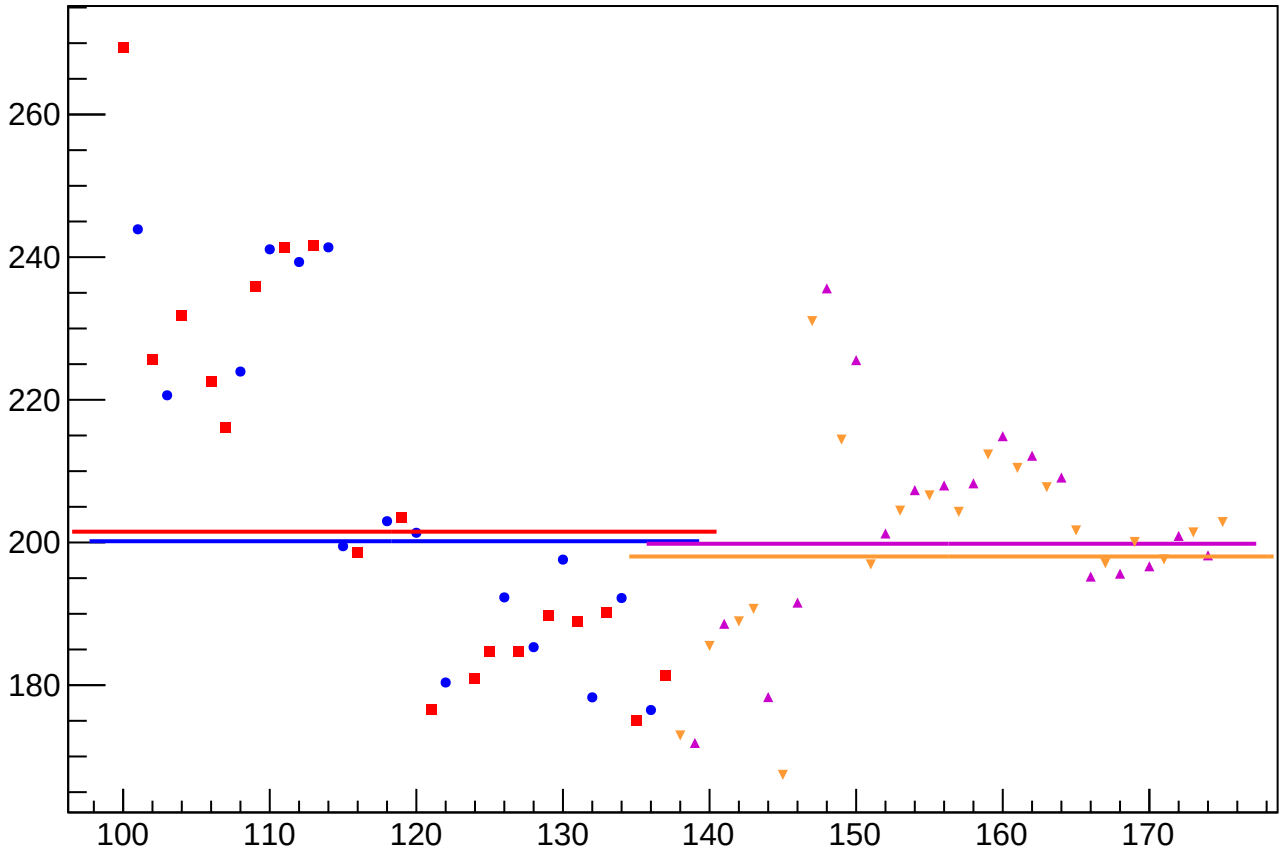
Left: -280.570+/-35.978 χ^2/NDF: 46.5/37

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -100.469+/-42.697 χ^2/NDF:63.2/33

Out: -162.924+/-41.411 χ^2/NDF:66.1/38

All: -132.652+/-29.726 χ^2/NDF: 130.4/72



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

Left: 198.891+/-0.025 χ^2/NDF: 337524.7/37

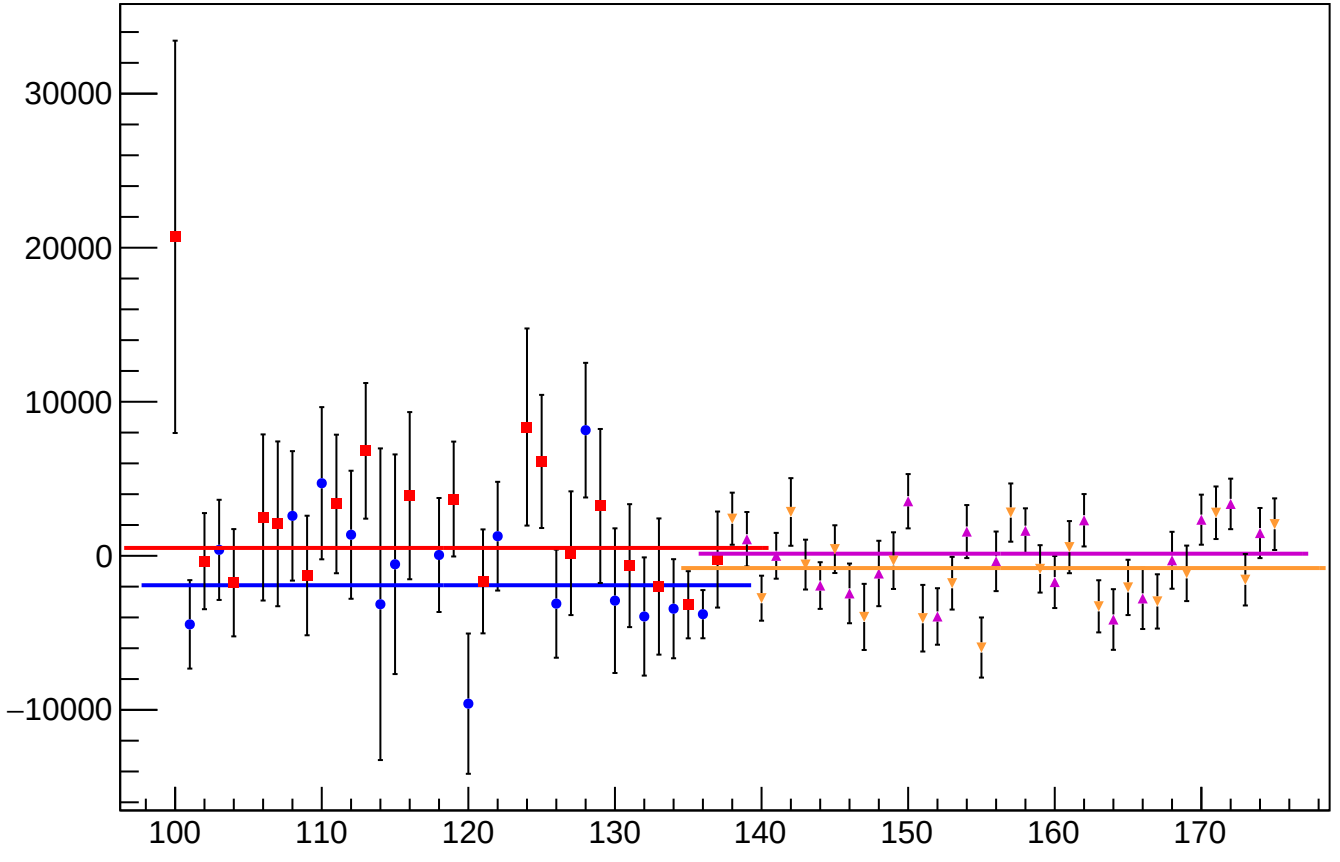
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.937+/-0.030 χ^2/NDF:349361.6/33

Out: 199.113+/-0.029 χ^2/NDF:366414.4/38

All: 199.513+/-0.021 χ^2/NDF: 716159.8/72

asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 137.323+/-407.485 χ^2/NDF:30.9/17

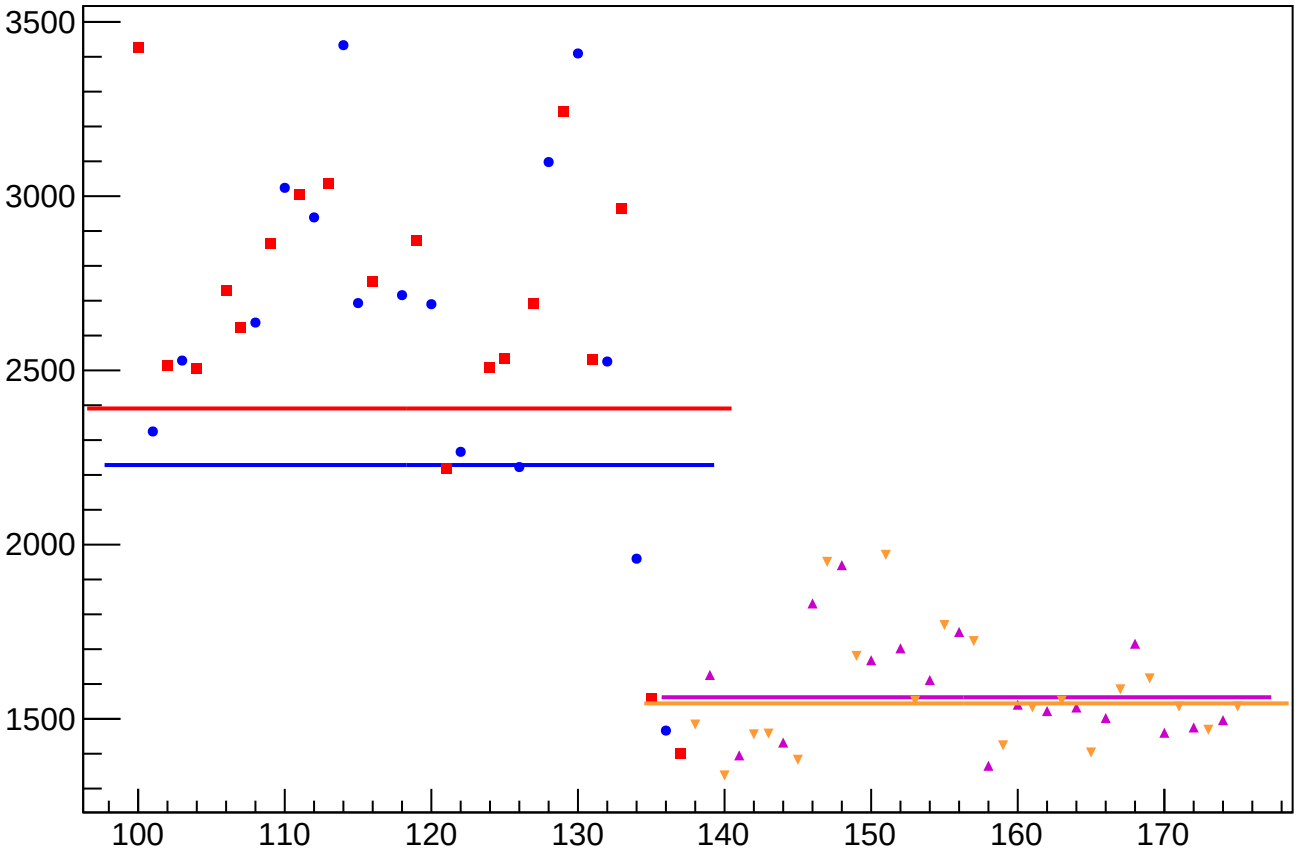
Left: -348.598+/-281.976 χ^2/NDF: 70.2/37

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -238.747+/-368.168 χ^2/NDF:51.8/33

Out: -588.802+/-358.437 χ^2/NDF:52.6/38

All: -418.462+/-256.825 χ^2/NDF: 104.9/72



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

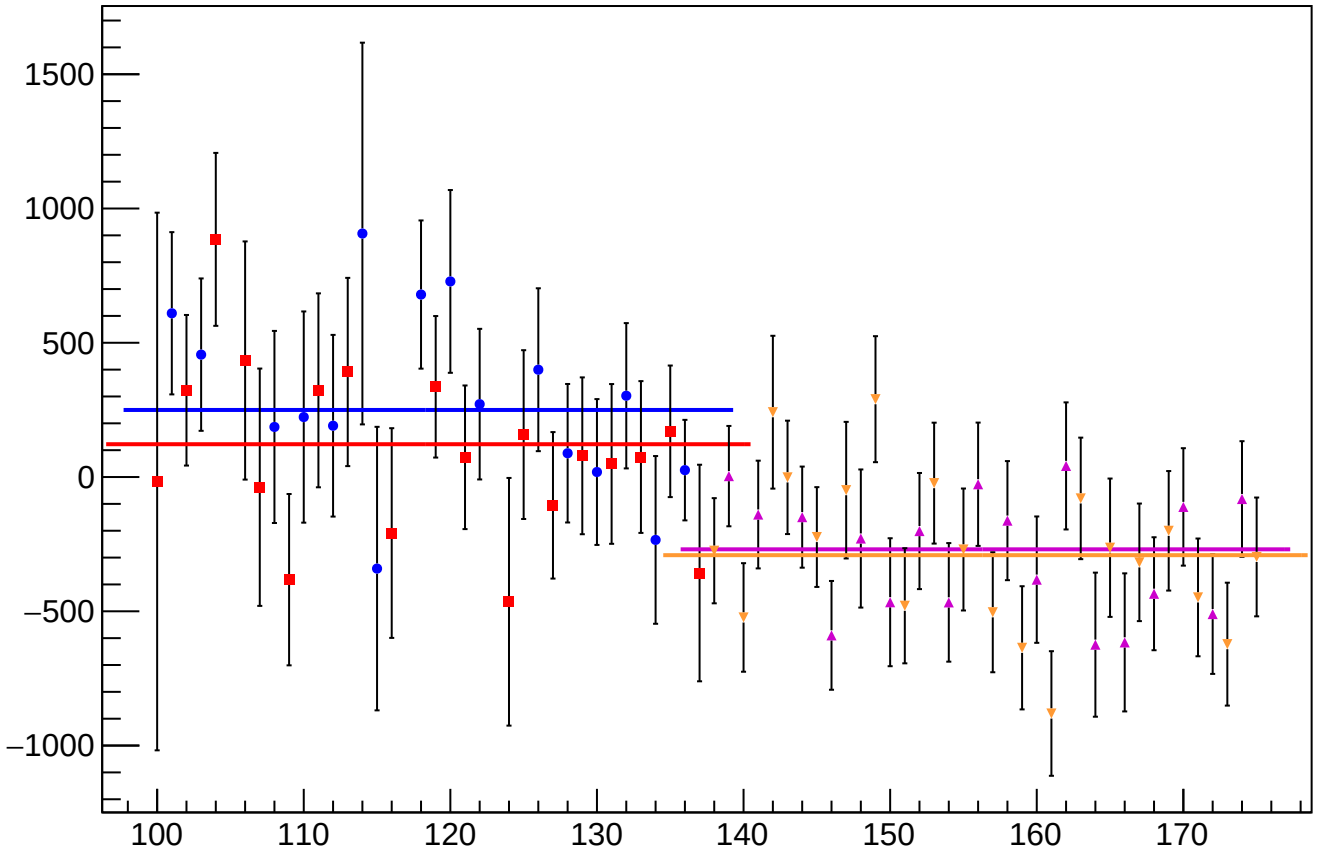
Left: 1552.833+/-0.199 χ^2/NDF: 568342.6/37

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1684.427+/-0.260 χ^2/NDF:2185106.6/33

Out: 1678.022+/-0.253 χ^2/NDF:2584101.3/38

All: 1681.139+/-0.182 χ^2/NDF: 4769518.6/72



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -269.225+/-51.976 χ^2/NDF:17.0/17

Left: -280.570+/-35.978 χ^2/NDF: 46.5/37

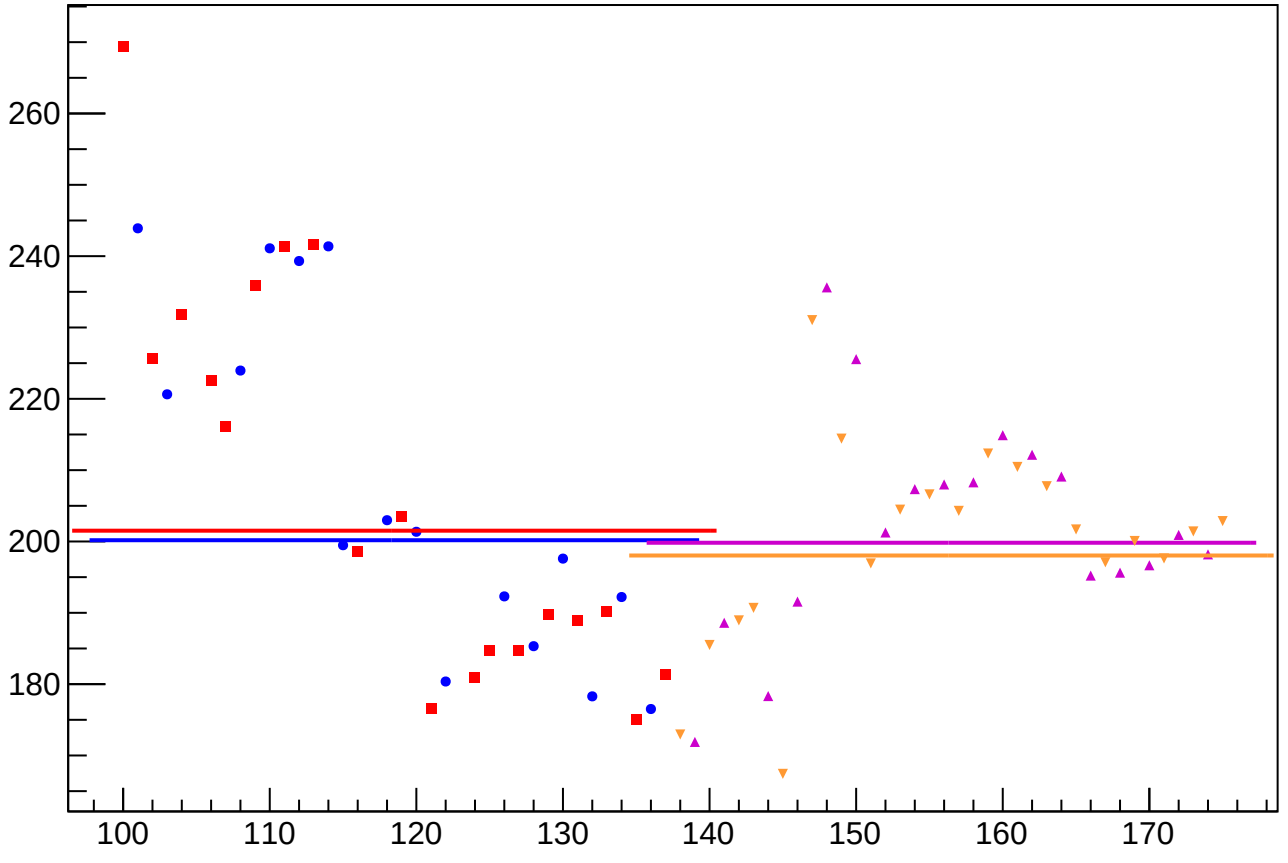
Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -100.469+/-42.697 χ^2/NDF:63.2/33

Out: -162.924+/-41.411 χ^2/NDF:66.1/38

All: -132.652+/-29.726 χ^2/NDF: 130.4/72

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

Left: 198.891+/-0.025 χ^2/NDF: 337524.7/37

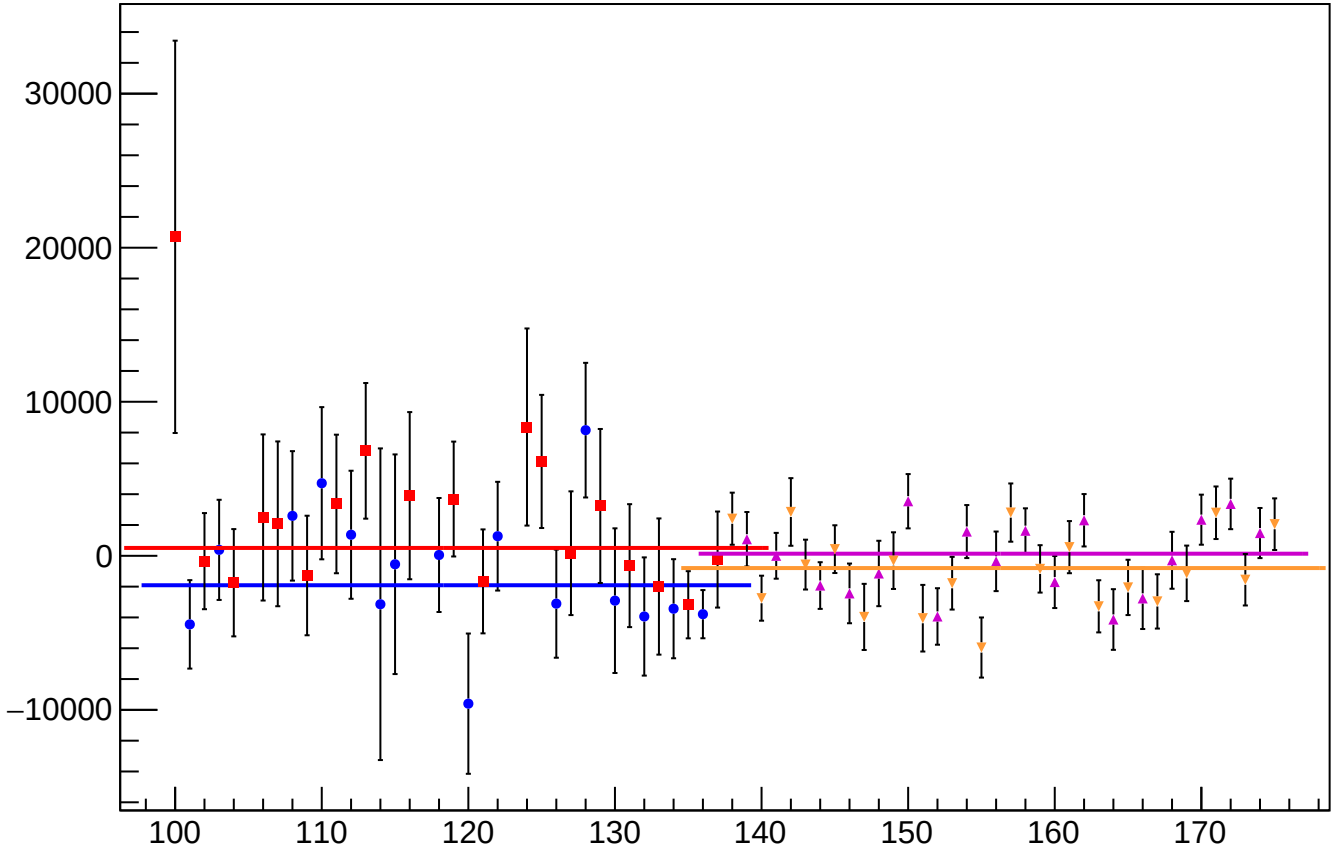
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.937+/-0.030 χ^2/NDF:349361.6/33

Out: 199.113+/-0.029 χ^2/NDF:366414.4/38

All: 199.513+/-0.021 χ^2/NDF: 716159.8/72

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 137.323+/-407.485 χ^2/NDF:30.9/17

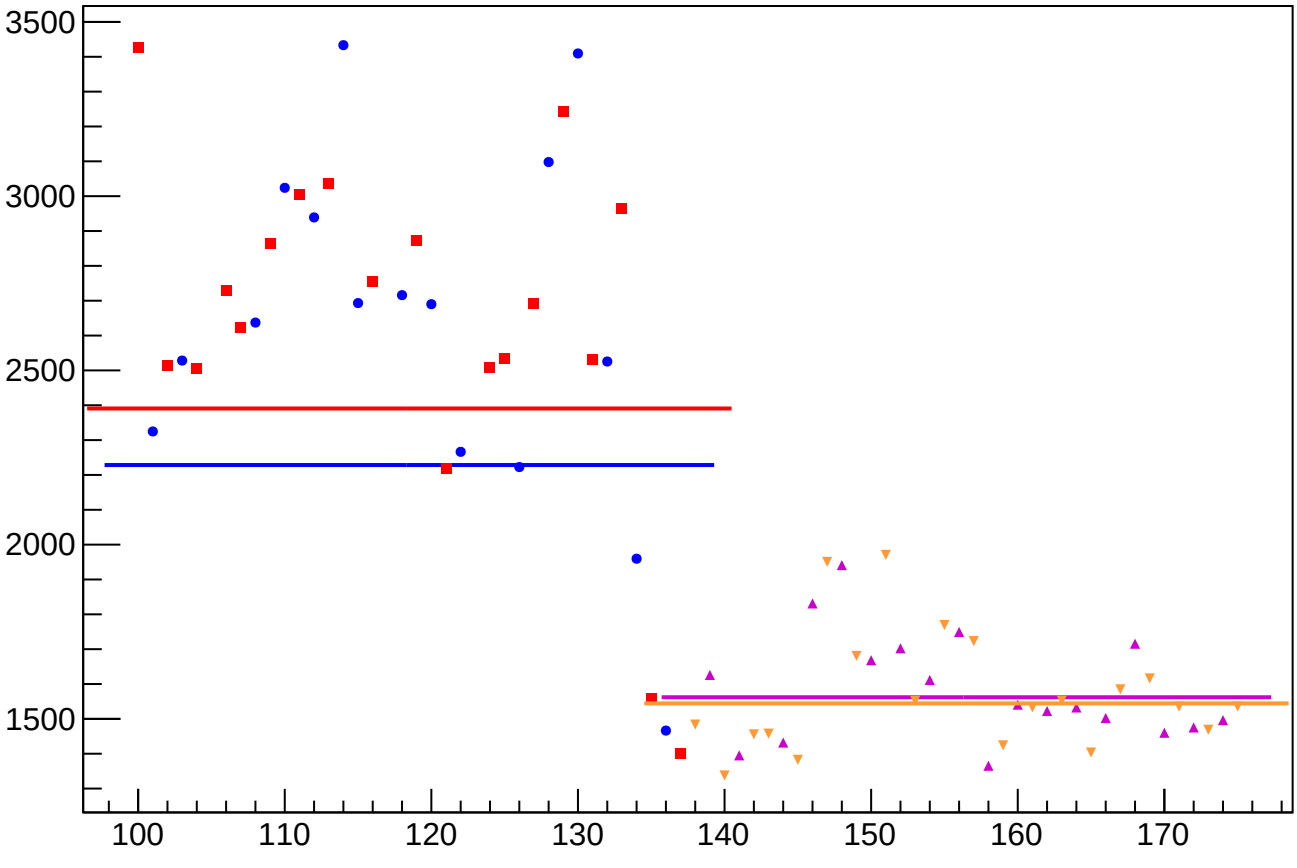
Left: -348.598+/-281.976 χ^2/NDF: 70.2/37

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -238.747+/-368.168 χ^2/NDF:51.8/33

Out: -588.802+/-358.437 χ^2/NDF:52.6/38

All: -418.462+/-256.825 χ^2/NDF: 104.9/72



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

Left: 1552.833+/-0.199 χ^2/NDF: 568342.6/37

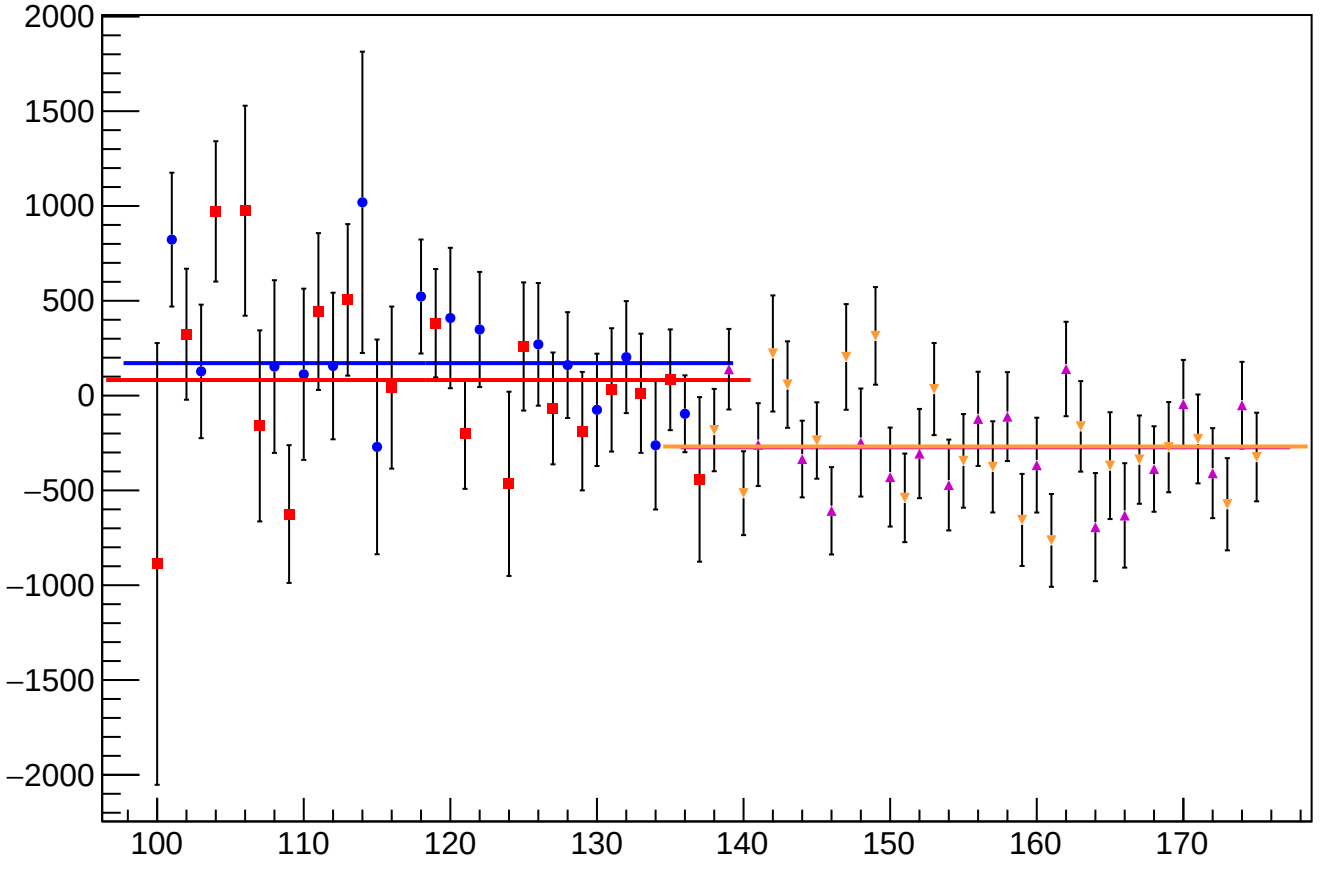
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1684.427+/-0.260 χ^2/NDF:2185106.6/33

Out: 1678.022+/-0.253 χ^2/NDF:2584101.3/38

All: 1681.139+/-0.182 χ^2/NDF: 4769518.6/72

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -268.370+/-53.728 χ^2/NDF:25.9/19

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -272.770+/-56.264 χ^2/NDF:17.2/17

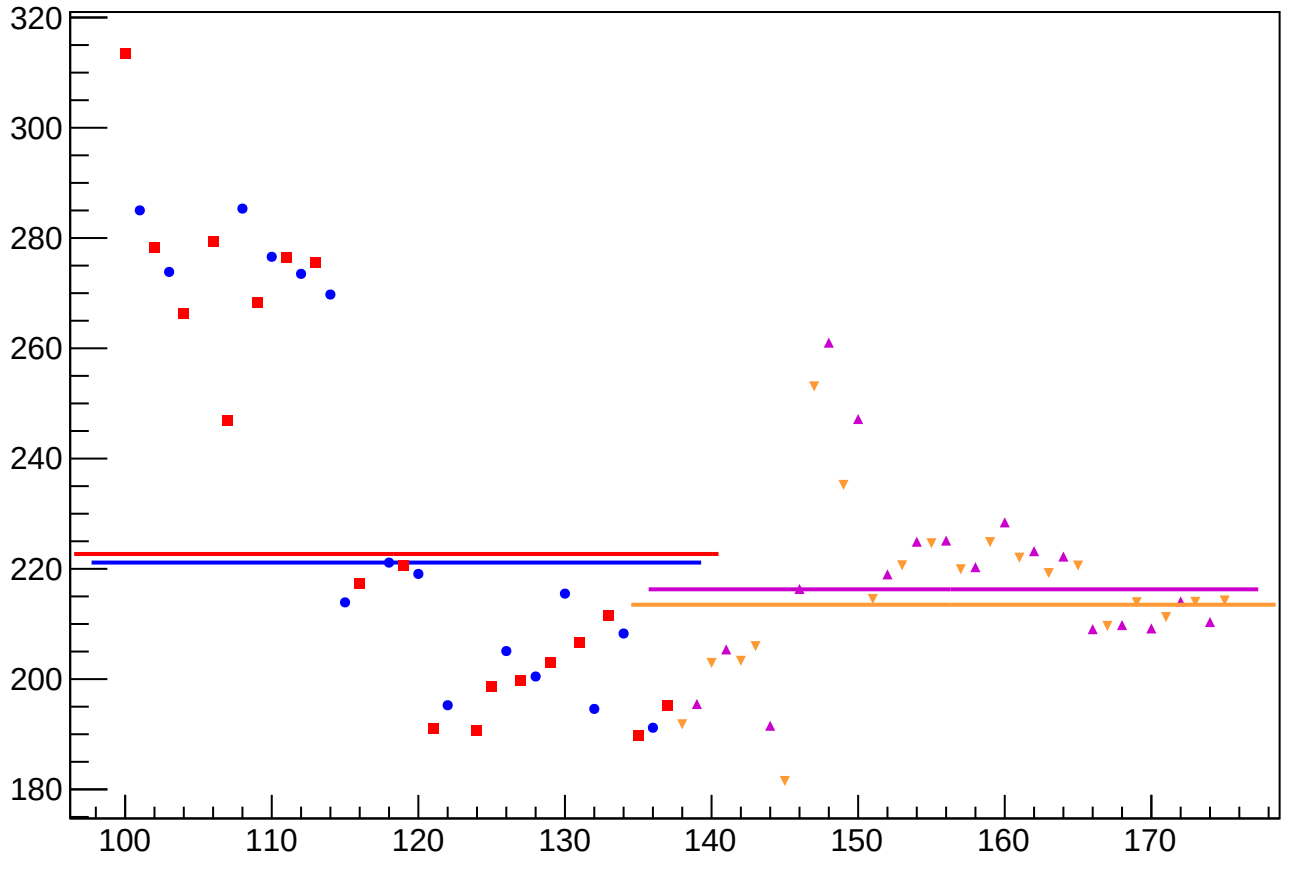
Left: -270.469+/-38.857 χ^2/NDF: 43.1/37

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -133.239+/-46.592 χ^2/NDF:48.2/33

Out: -164.059+/-45.030 χ^2/NDF:60.2/38

All: -149.174+/-32.379 χ^2/NDF: 108.7/72



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.490+/-0.038 χ^2/NDF:151153.0/19

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.287+/-0.040 χ^2/NDF:150925.9/17

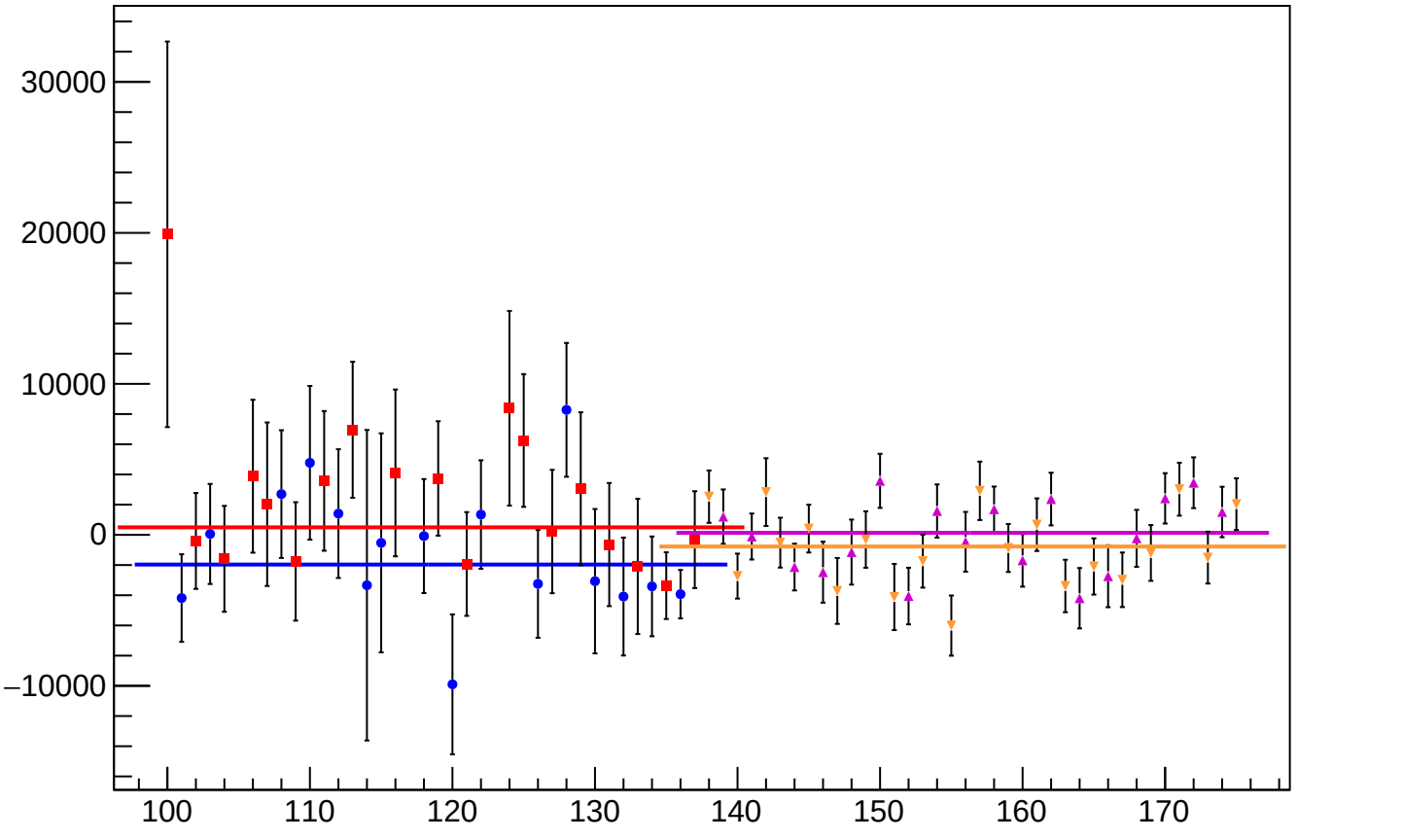
Left: 214.824+/-0.027 χ^2/NDF: 304664.5/37

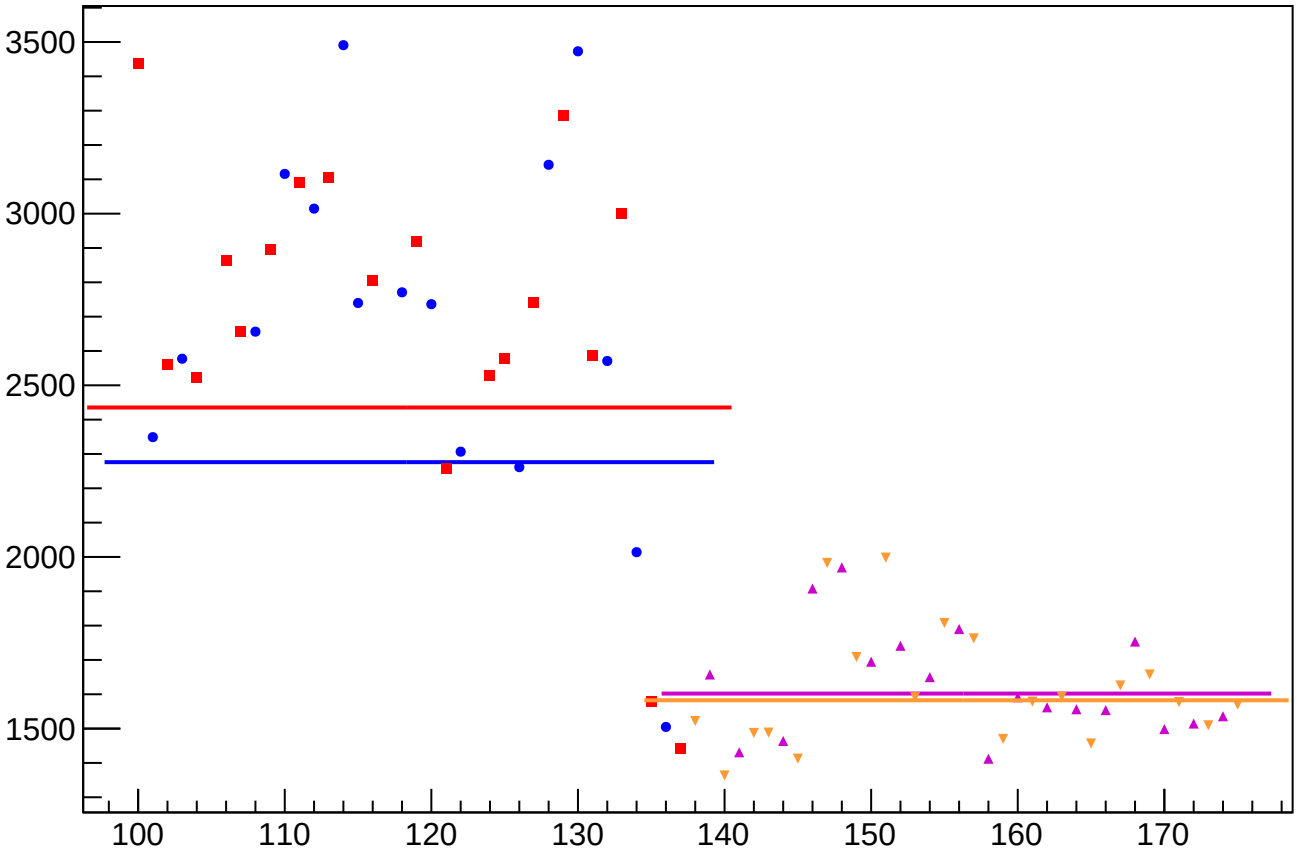
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.812+/-0.033 χ^2/NDF:474301.0/33

Out: 216.230+/-0.032 χ^2/NDF:495663.1/38

All: 216.994+/-0.023 χ^2/NDF: 971156.1/72


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -771.962+/-400.042 χ²/NDF:36.2/19
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: 135.649+/-417.809 χ²/NDF:30.9/17
Left: -337.864+/-288.949 χ²/NDF: 69.5/37
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -253.657+/-377.160 χ²/NDF:51.8/33
Out: -568.192+/-366.525 χ²/NDF:52.5/38
All: -415.422+/-262.852 χ²/NDF: 104.7/72



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297516.2/19

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1602.040+/-0.295 χ^2/NDF:247163.6/17

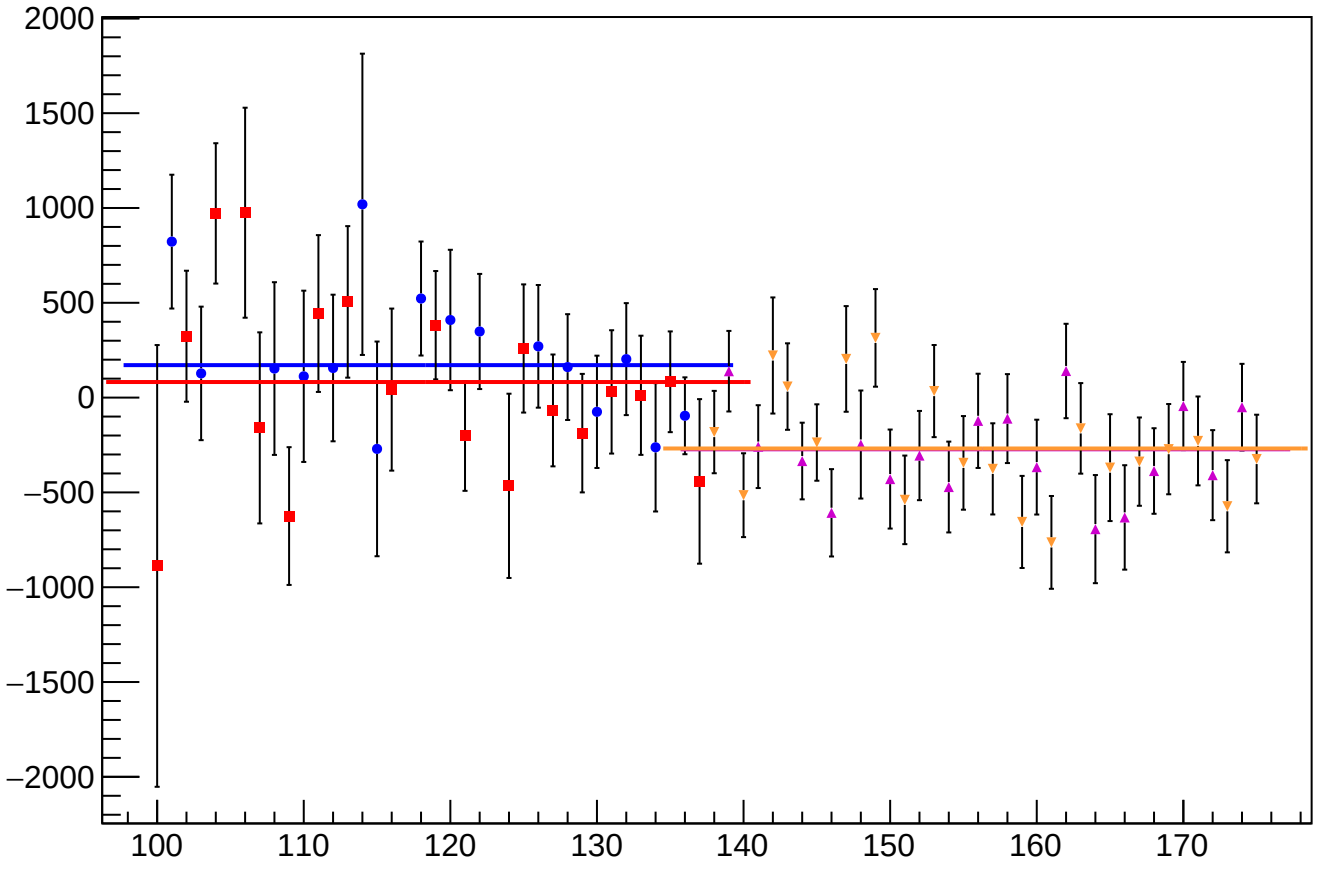
Left: 1591.808+/-0.204 χ^2/NDF: 546978.6/37

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1726.824+/-0.267 χ^2/NDF:2137878.3/33

Out: 1719.361+/-0.259 χ^2/NDF:2548641.3/38

All: 1722.986+/-0.186 χ^2/NDF: 4686922.3/72



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -268.372+/-53.728 χ^2/NDF:25.9/19

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -272.772+/-56.263 χ^2/NDF:17.2/17

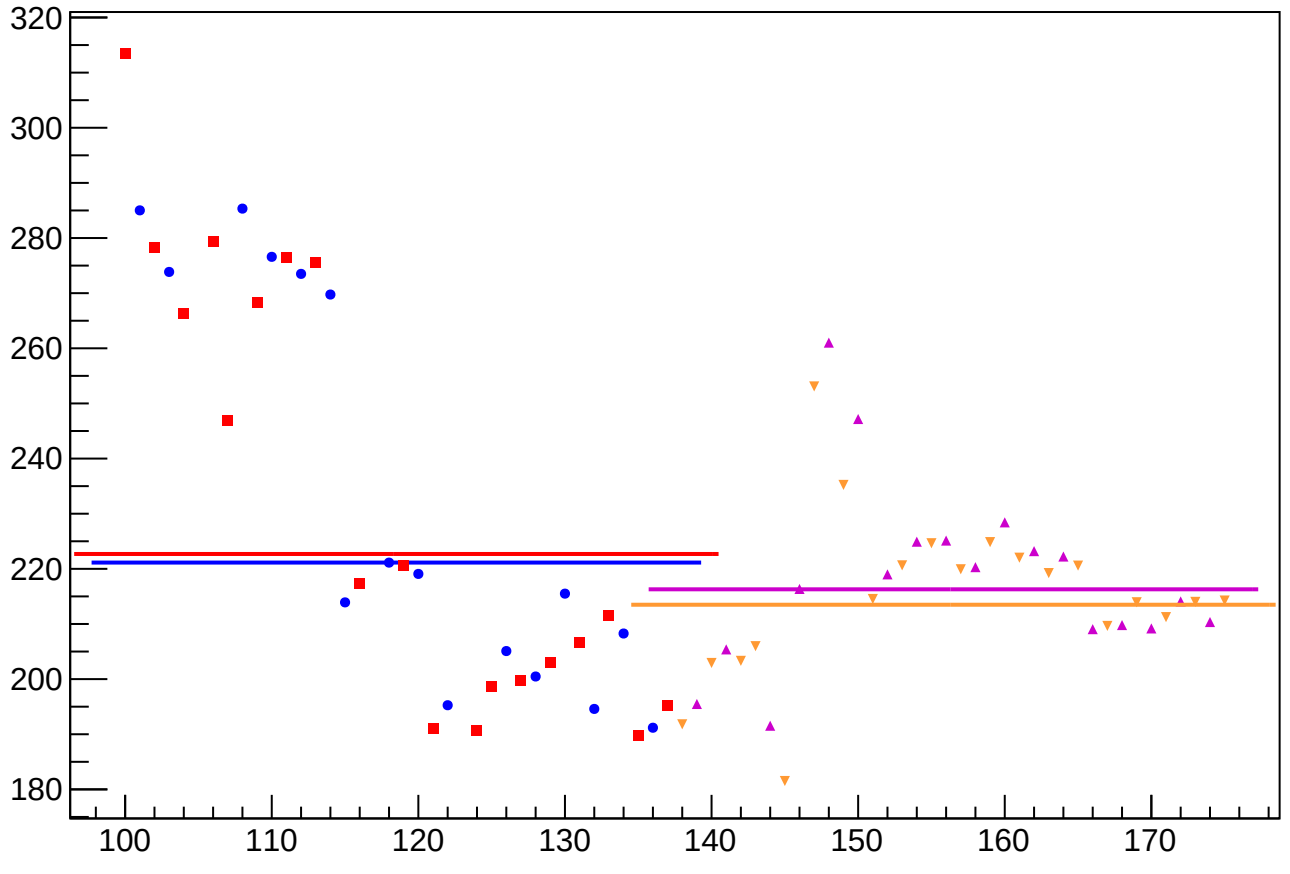
Left: -270.471+/-38.857 χ^2/NDF: 43.1/37

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -133.239+/-46.592 χ^2/NDF:48.2/33

Out: -164.060+/-45.030 χ^2/NDF:60.2/38

All: -149.175+/-32.379 χ^2/NDF: 108.7/72



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.490+/-0.038 χ^2/NDF:151157.1/19

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.287+/-0.040 χ^2/NDF:150928.4/17

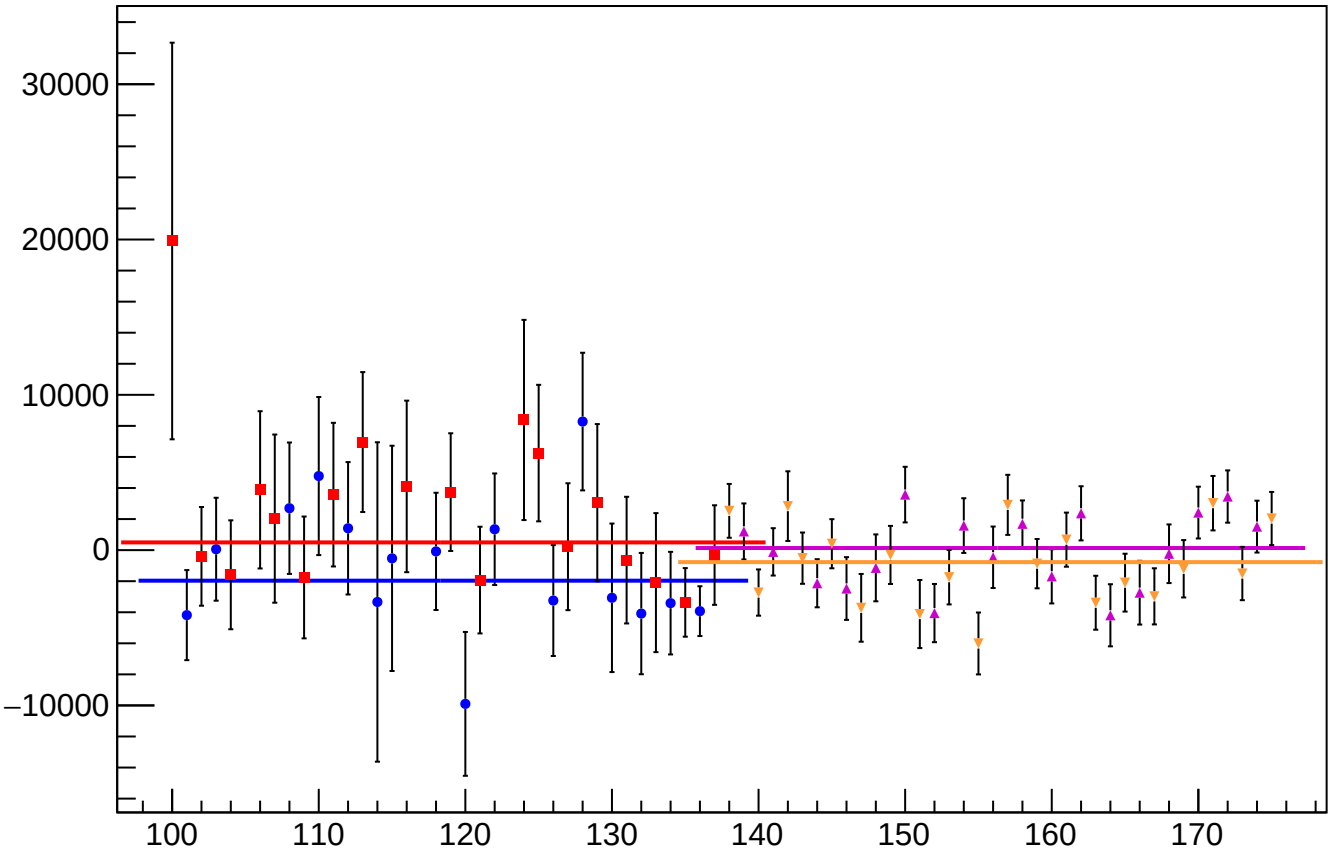
Left: 214.824+/-0.027 χ^2/NDF: 304671.0/37

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.811+/-0.033 χ^2/NDF:474296.5/33

Out: 216.230+/-0.032 χ^2/NDF:495657.3/38

All: 216.994+/-0.023 χ^2/NDF: 971145.6/72



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -771.963+/-400.042 χ^2/NDF:36.2/19

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 135.649+/-417.809 χ^2/NDF:30.9/17

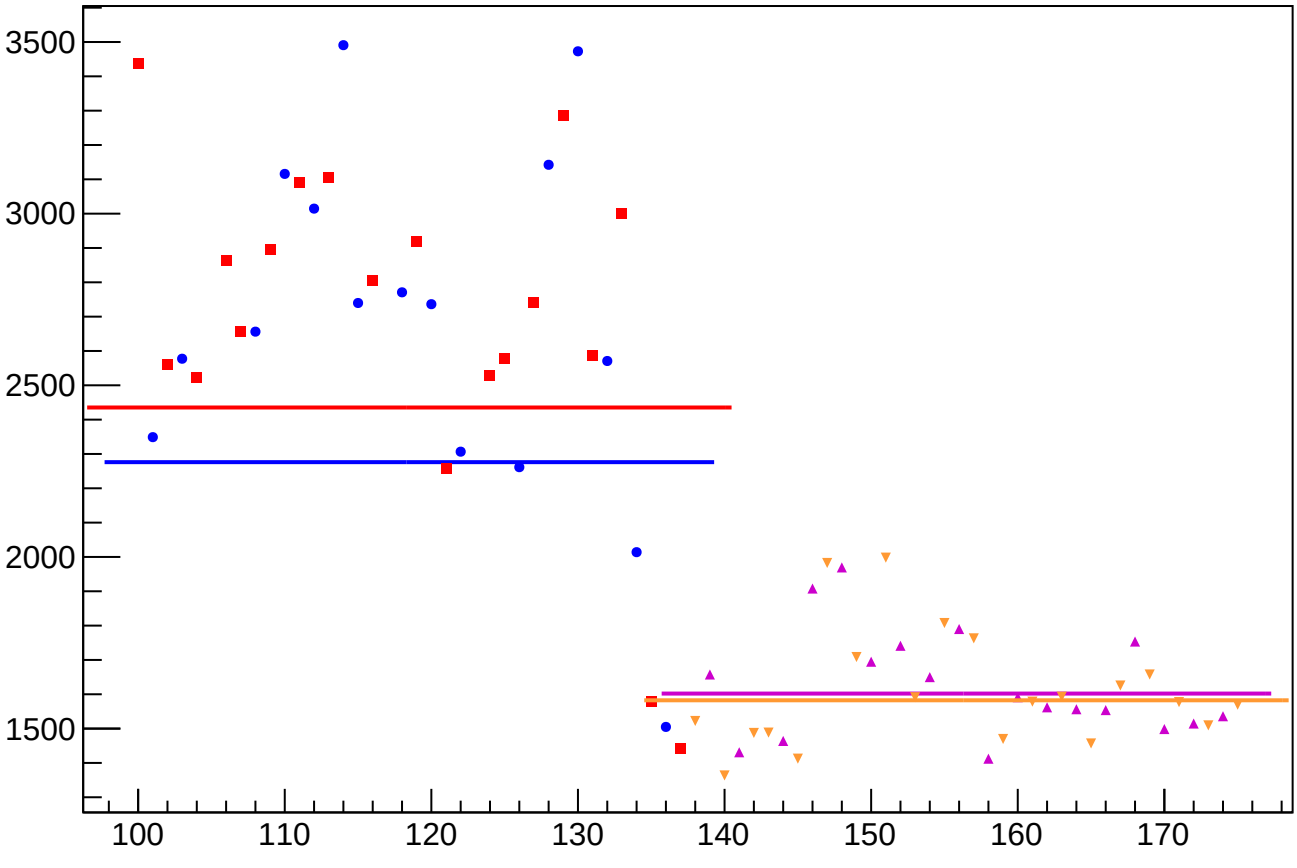
Left: -337.864+/-288.949 χ^2/NDF: 69.5/37

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -253.657+/-377.160 χ^2/NDF:51.8/33

Out: -568.192+/-366.525 χ^2/NDF:52.5/38

All: -415.422+/-262.852 χ^2/NDF: 104.7/72



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297518.7/19

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1602.040+/-0.295 χ^2/NDF:247165.1/17

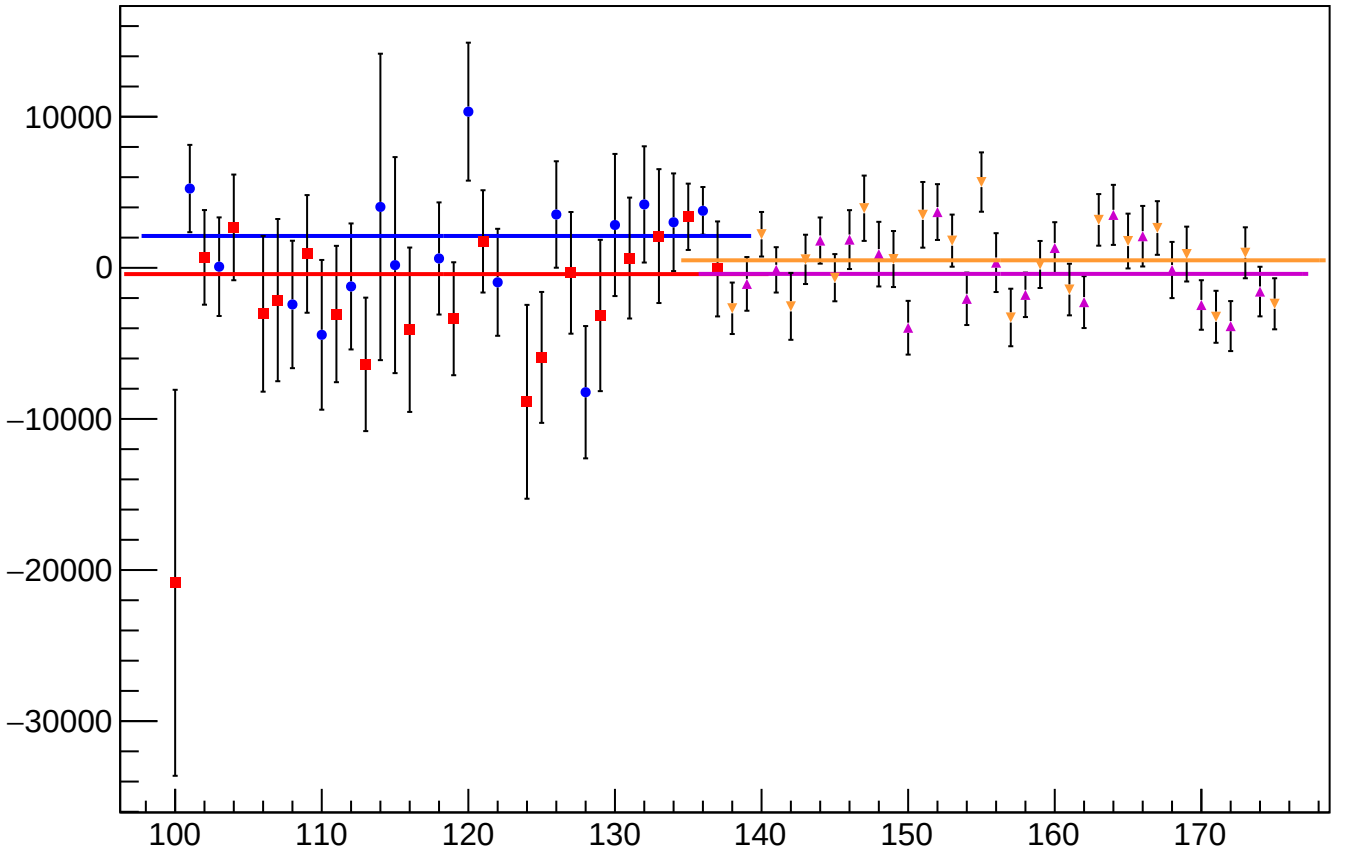
Left: 1591.808+/-0.204 χ^2/NDF: 546982.6/37

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1726.824+/-0.267 χ^2/NDF:2137864.9/33

Out: 1719.361+/-0.259 χ^2/NDF:2548629.2/38

All: 1722.986+/-0.186 χ^2/NDF: 4686896.8/72



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 498.065+/-393.920 χ^2/NDF:36.7/19

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -400.666+/-410.962 χ^2/NDF:28.9/17

Left: 67.720+/-284.378 χ^2/NDF: 68.1/37

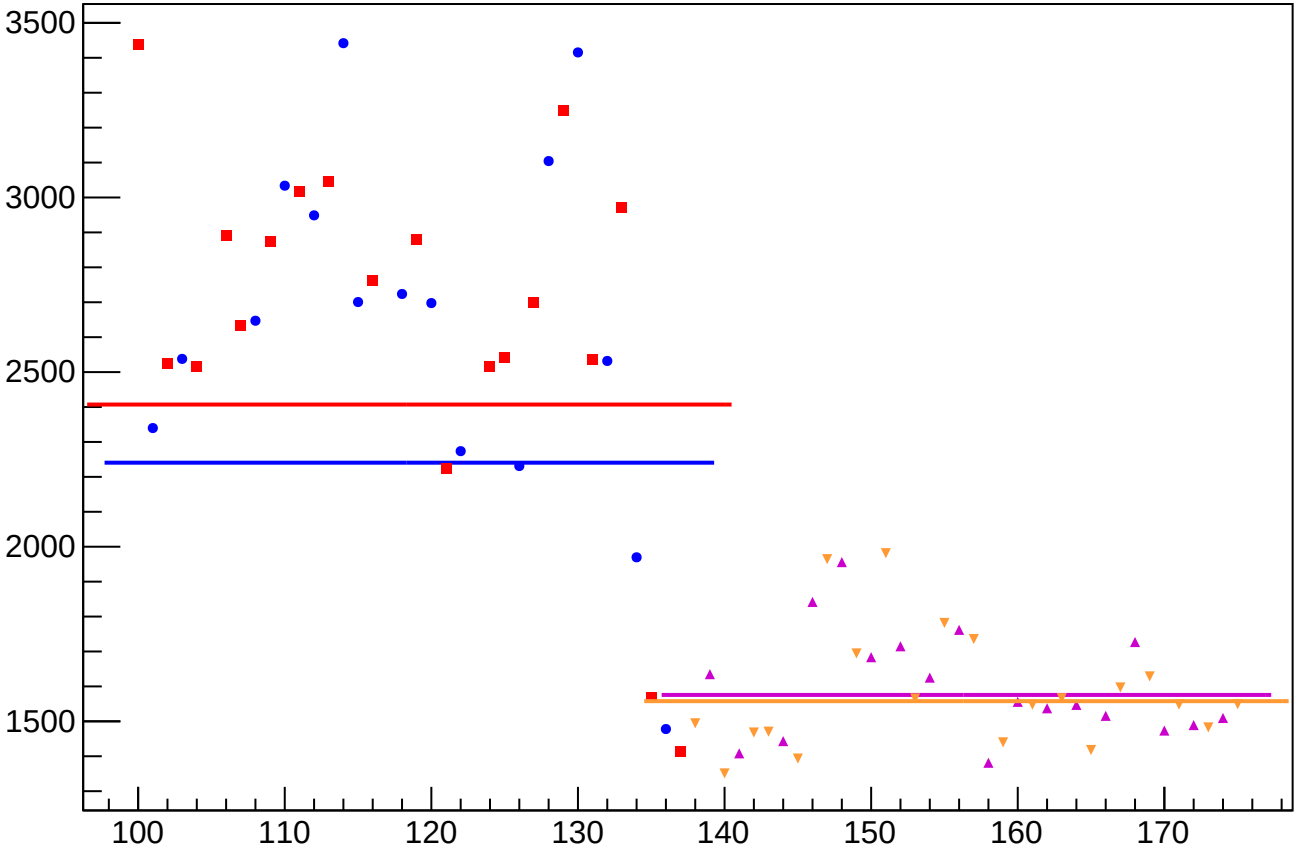
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 63.090+/-371.063 χ^2/NDF:52.4/33

Out: 352.615+/-361.151 χ^2/NDF:52.2/38

All: 211.771+/-258.805 χ^2/NDF: 104.9/72

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.751+/-0.279 χ^2/NDF:306023.1/19

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1575.606+/-0.291 χ^2/NDF:249332.3/17

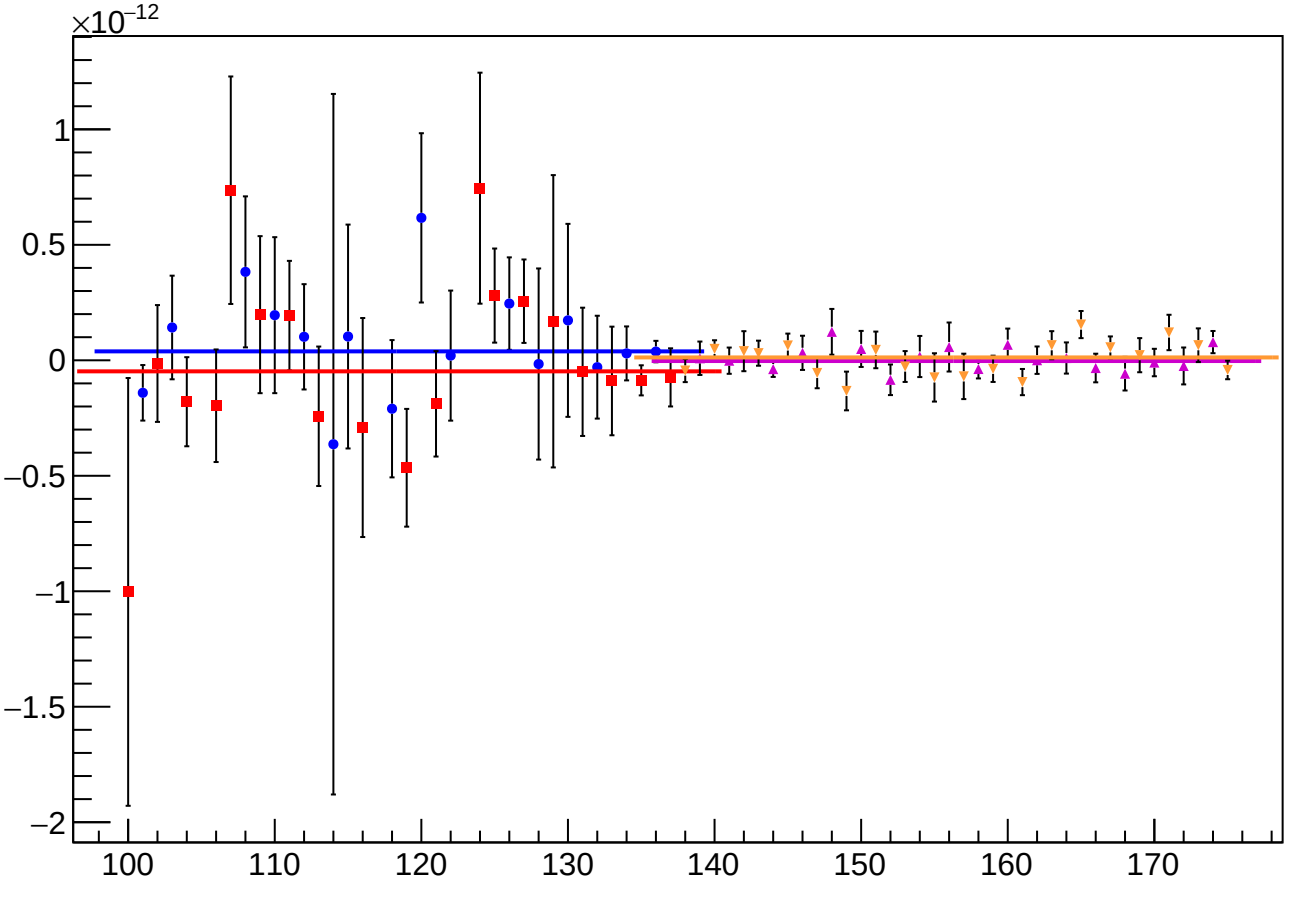
Left: 1566.301+/-0.201 χ^2/NDF: 557322.8/37

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1698.468+/-0.262 χ^2/NDF:2150480.2/33

Out: 1693.189+/-0.255 χ^2/NDF:2577696.3/38

All: 1695.757+/-0.183 χ^2/NDF: 4728384.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/17

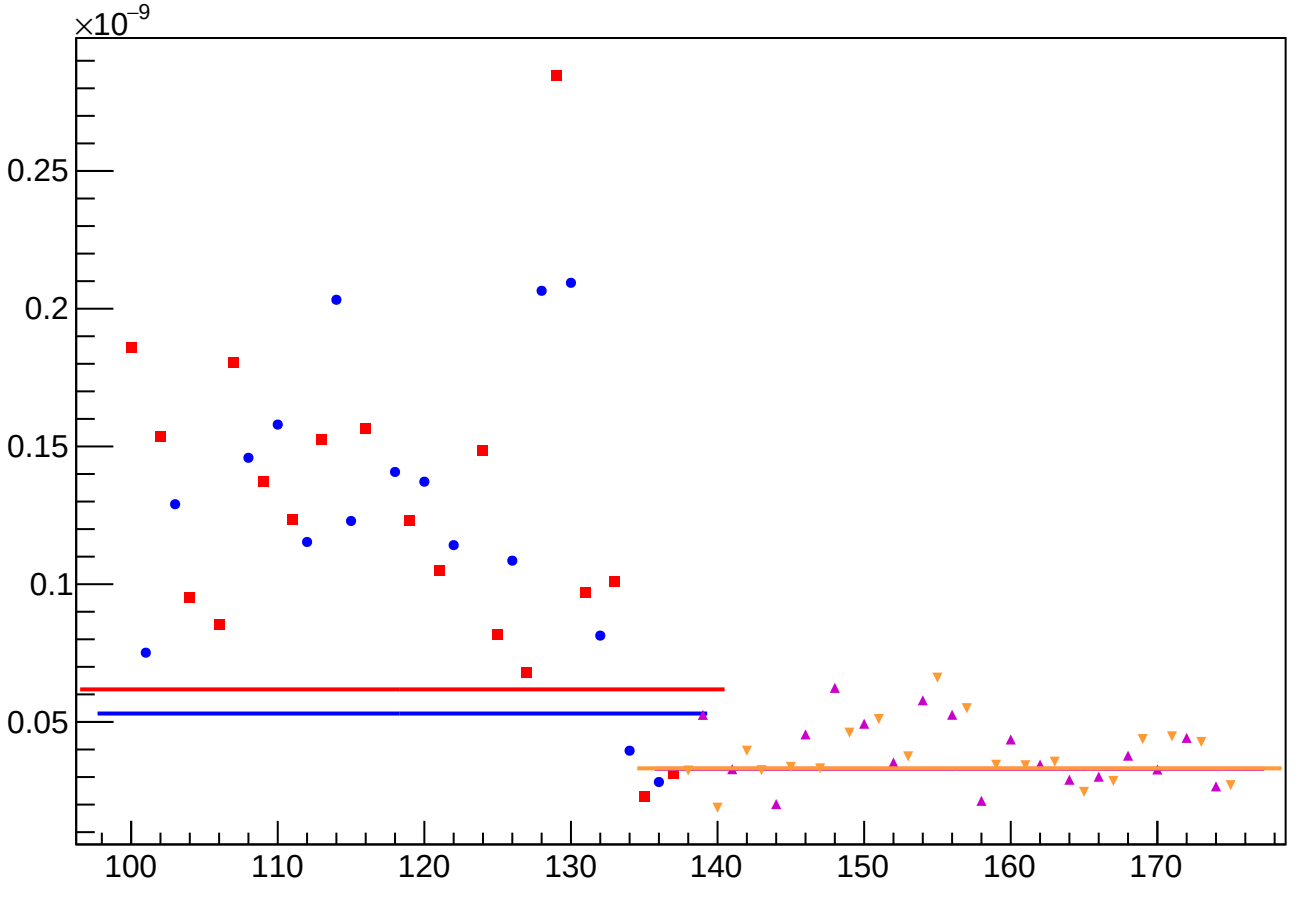
Left: 0.000+/-0.000 χ^2/NDF: 37.0/37

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:20.4/33

Out: 0.000+/-0.000 χ^2/NDF:45.6/38

All: 0.000+/-0.000 χ^2/NDF: 66.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:991458.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1278871.2/17

Left: 0.000+/-0.000 χ^2/NDF: 2270507.3/37

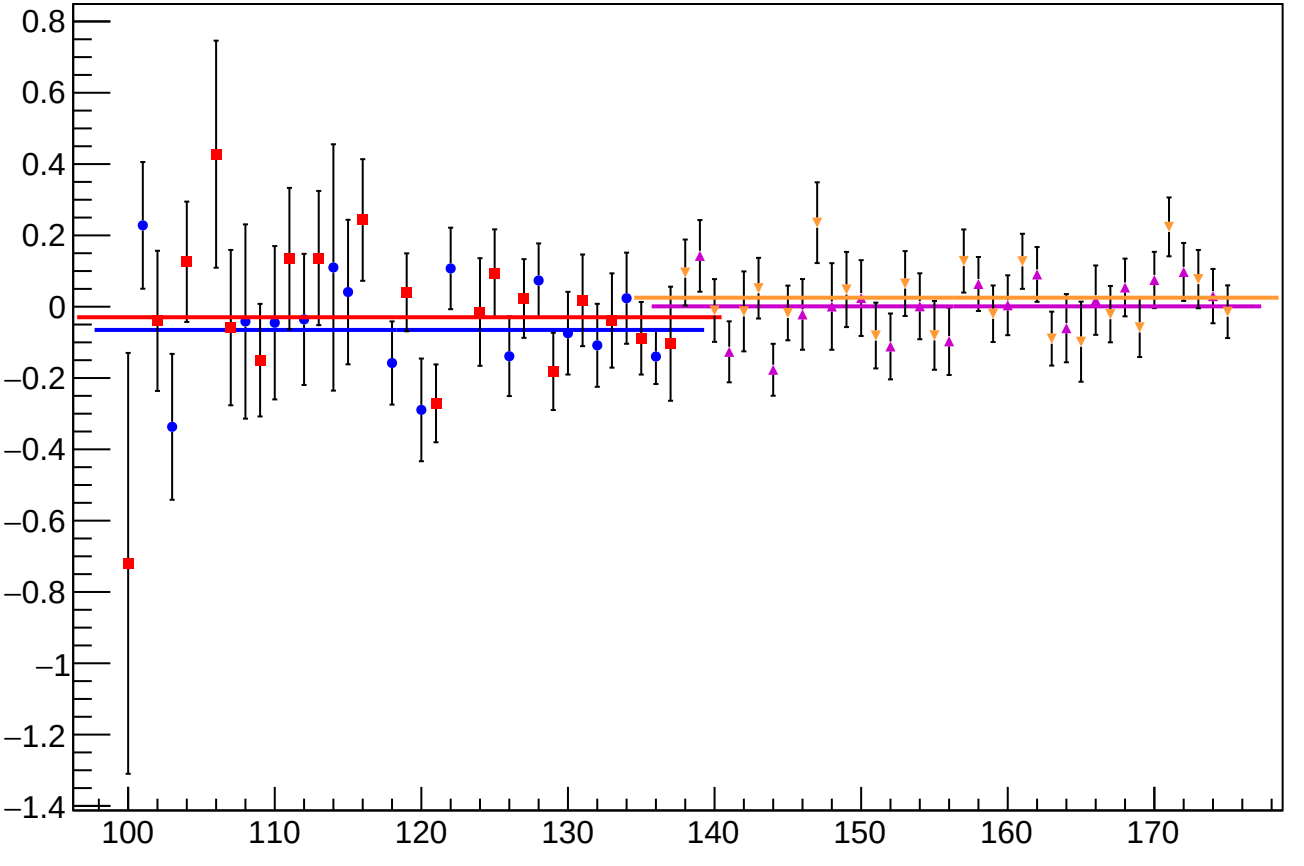
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4383369.2/33

Out: 0.000+/-0.000 χ^2/NDF:4207251.8/38

All: 0.000+/-0.000 χ^2/NDF: 8590646.3/72

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

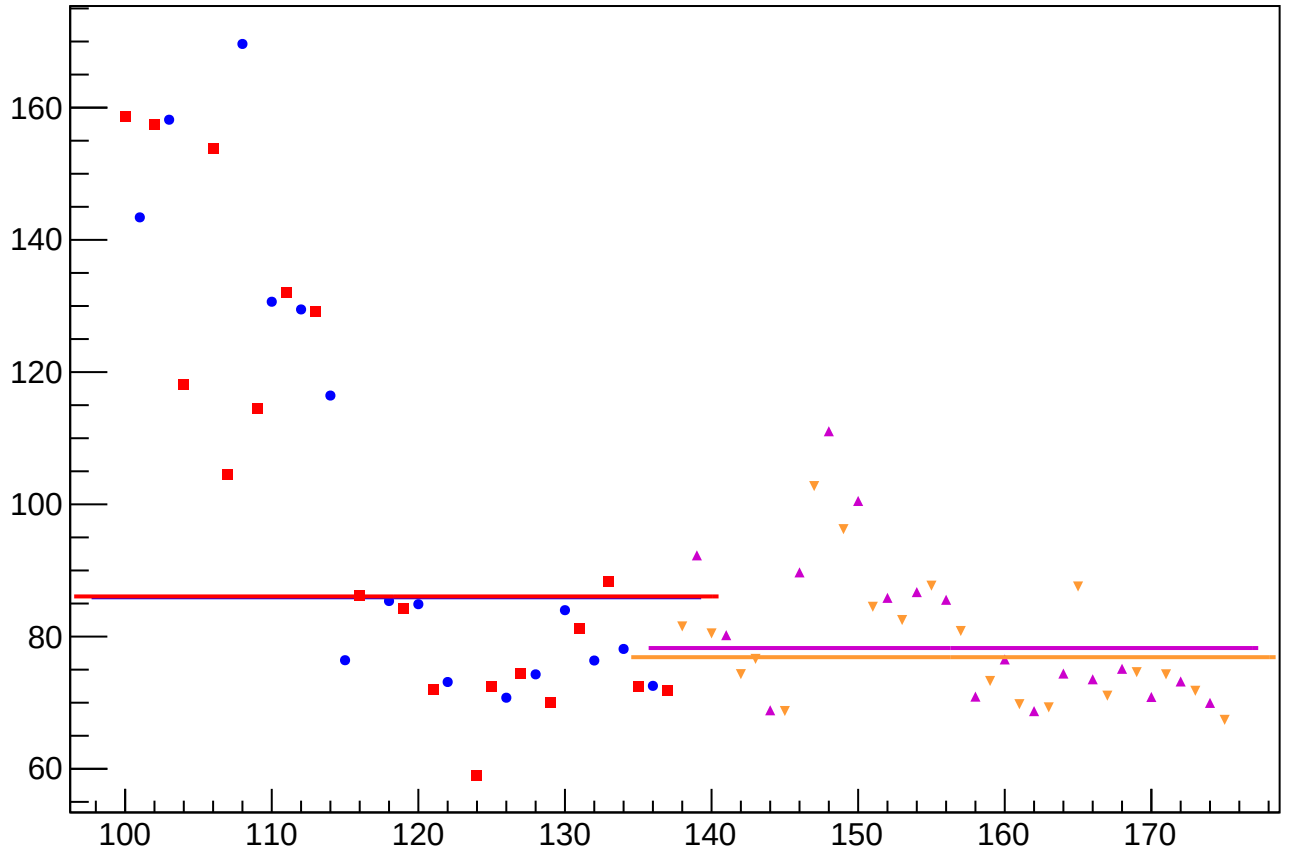
Left: 0.014+/-0.014 χ^2/NDF: 41.2/37

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 78.9/72



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

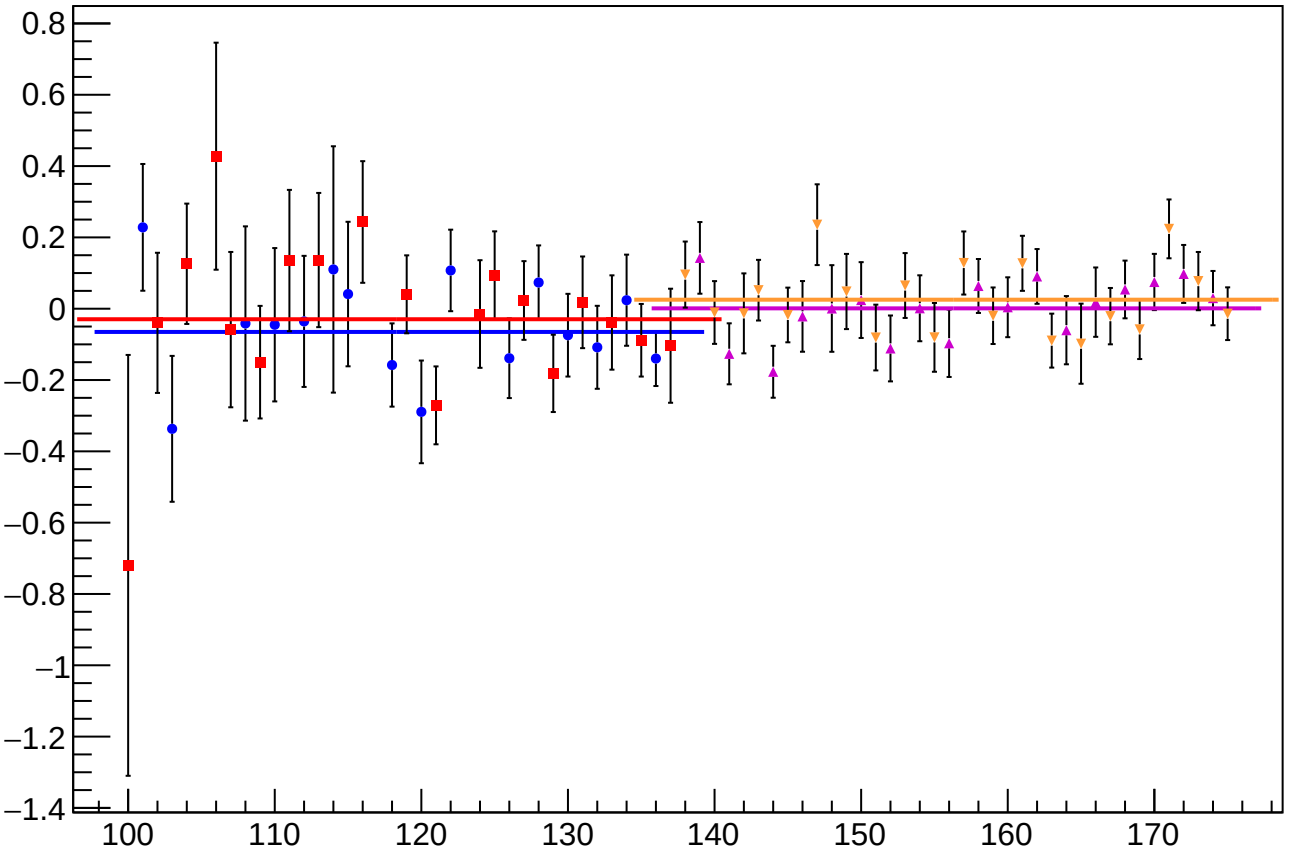
Left: 77.539+/-0.010 χ^2/NDF: 859471.1/37

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.386+/-0.012 χ^2/NDF:1598092.6/33

Out: 79.260+/-0.012 χ^2/NDF:1475139.5/38

All: 79.799+/-0.009 χ^2/NDF: 3077557.7/72



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

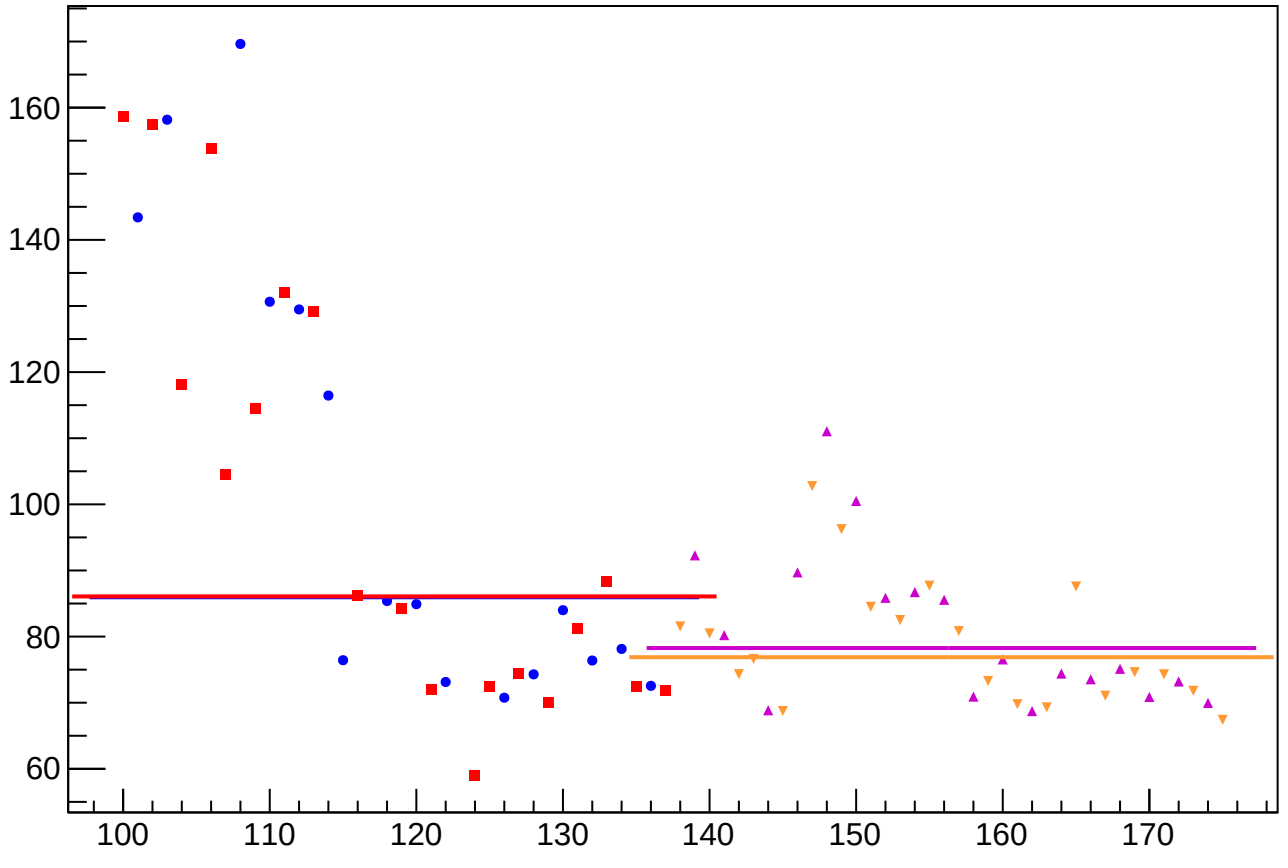
Left: 0.014+/-0.014 χ^2/NDF: 41.2/37

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 78.9/72



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

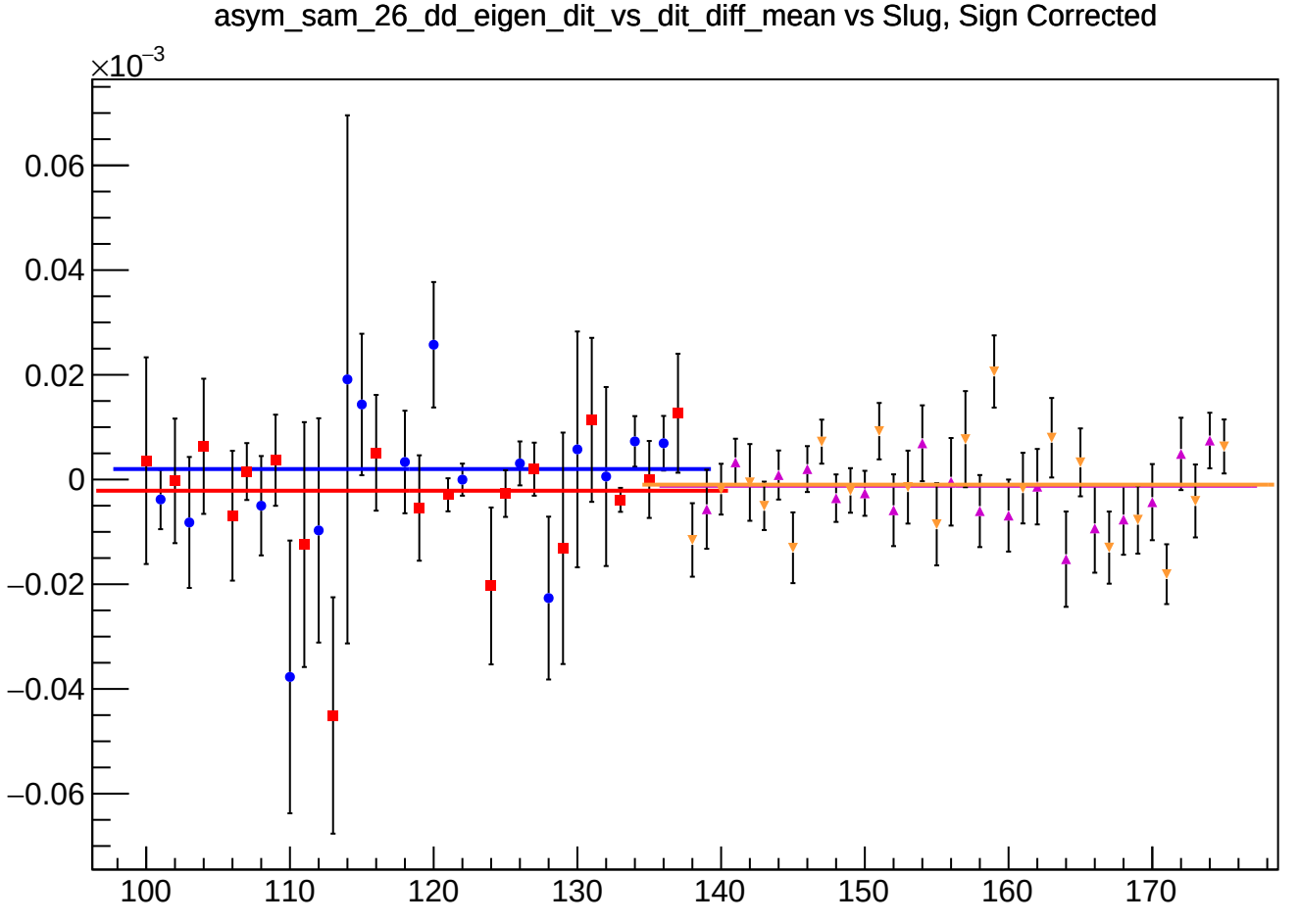
Left: 77.539+/-0.010 χ^2/NDF: 859471.1/37

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.386+/-0.012 χ^2/NDF:1598092.6/33

Out: 79.260+/-0.012 χ^2/NDF:1475139.5/38

All: 79.799+/-0.009 χ^2/NDF: 3077557.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/17

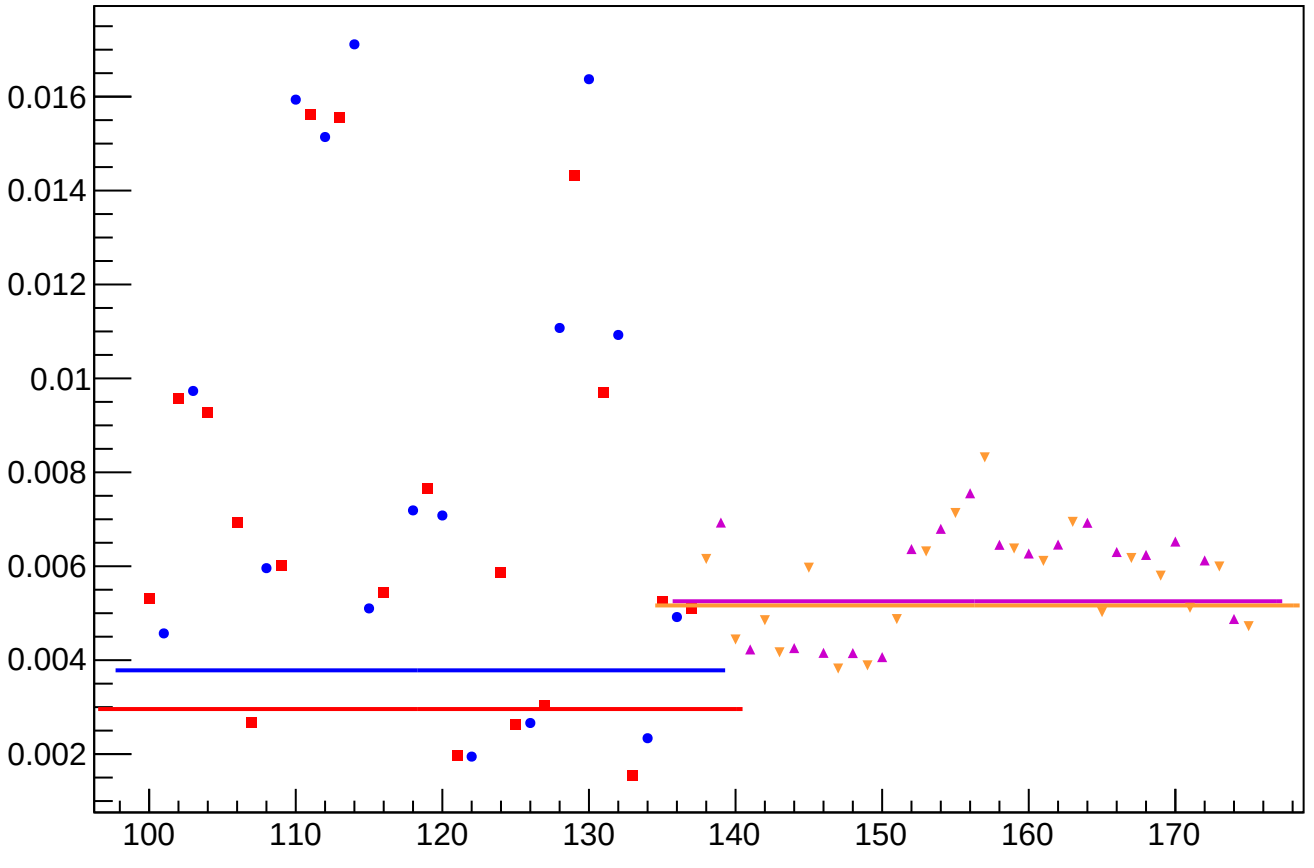
Left: -0.000+/-0.000 χ^2/NDF: 55.7/37

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:30.1/33

Out: -0.000+/-0.000 χ^2/NDF:54.4/38

All: -0.000+/-0.000 χ^2/NDF: 85.7/72



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1333164.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1389275.1/17

Left: 0.005+/-0.000 χ^2/NDF: 2726659.2/37

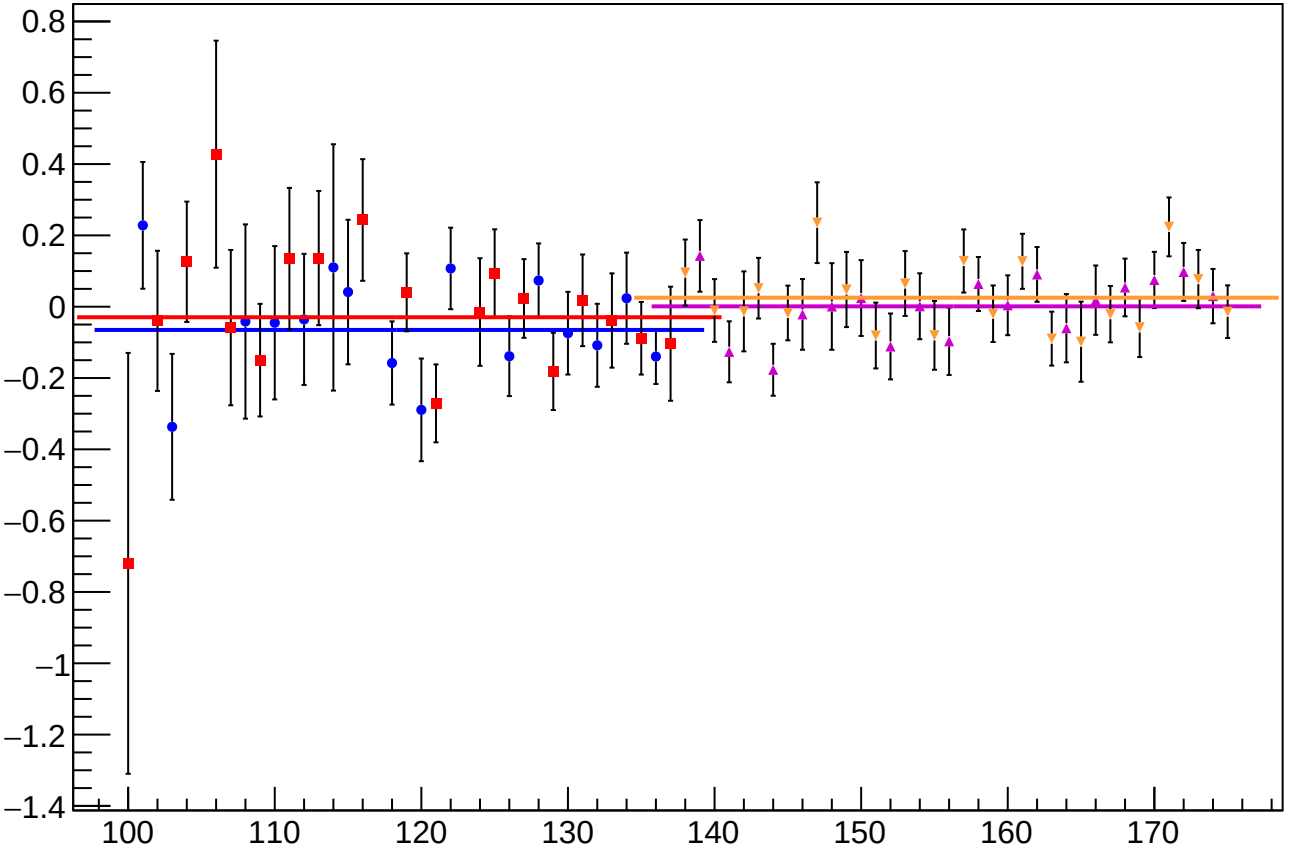
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6944579.3/33

Out: 0.004+/-0.000 χ^2/NDF:9481700.1/38

All: 0.004+/-0.000 χ^2/NDF: 16718915.3/72

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

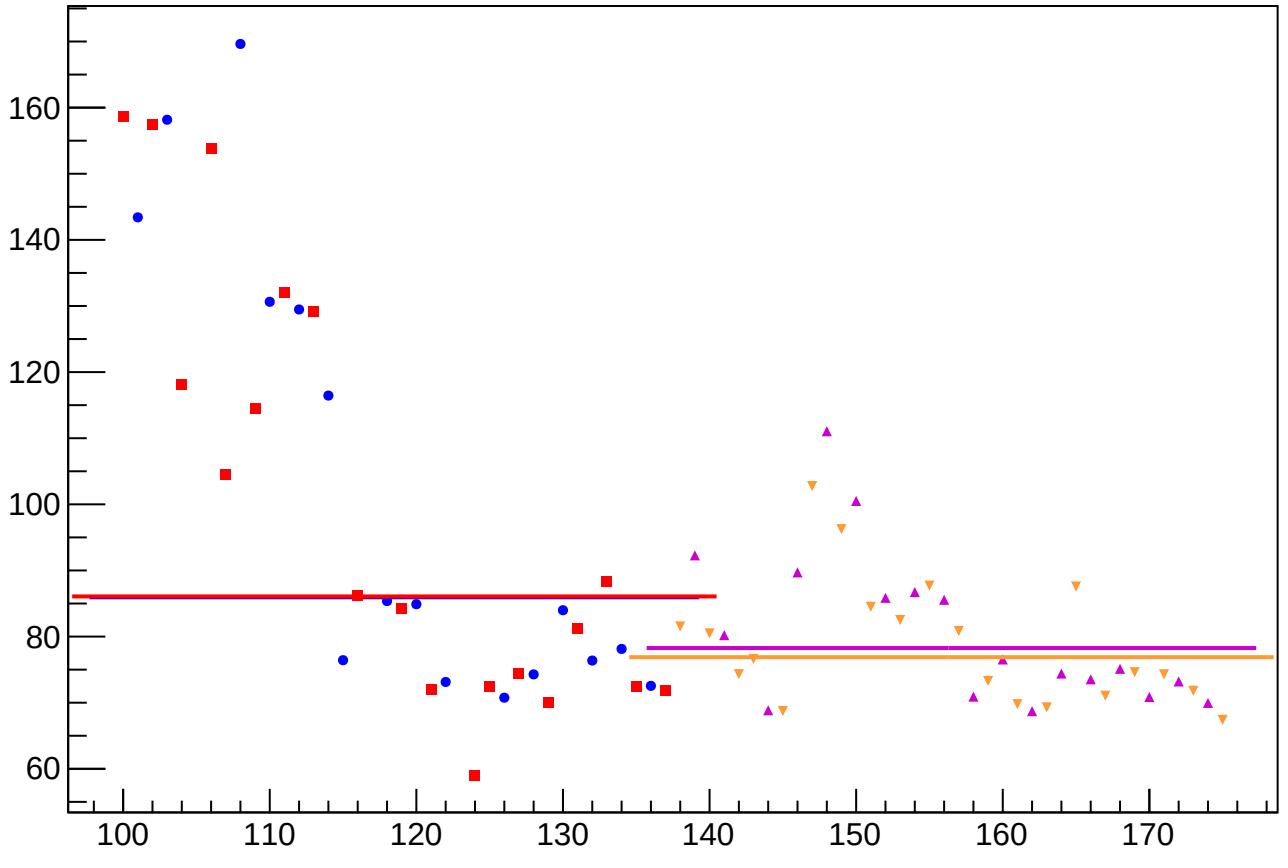
Left: 0.014+/-0.014 χ^2/NDF: 41.1/37

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 78.9/72



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

Left: 77.538+/-0.010 χ^2/NDF: 859546.5/37

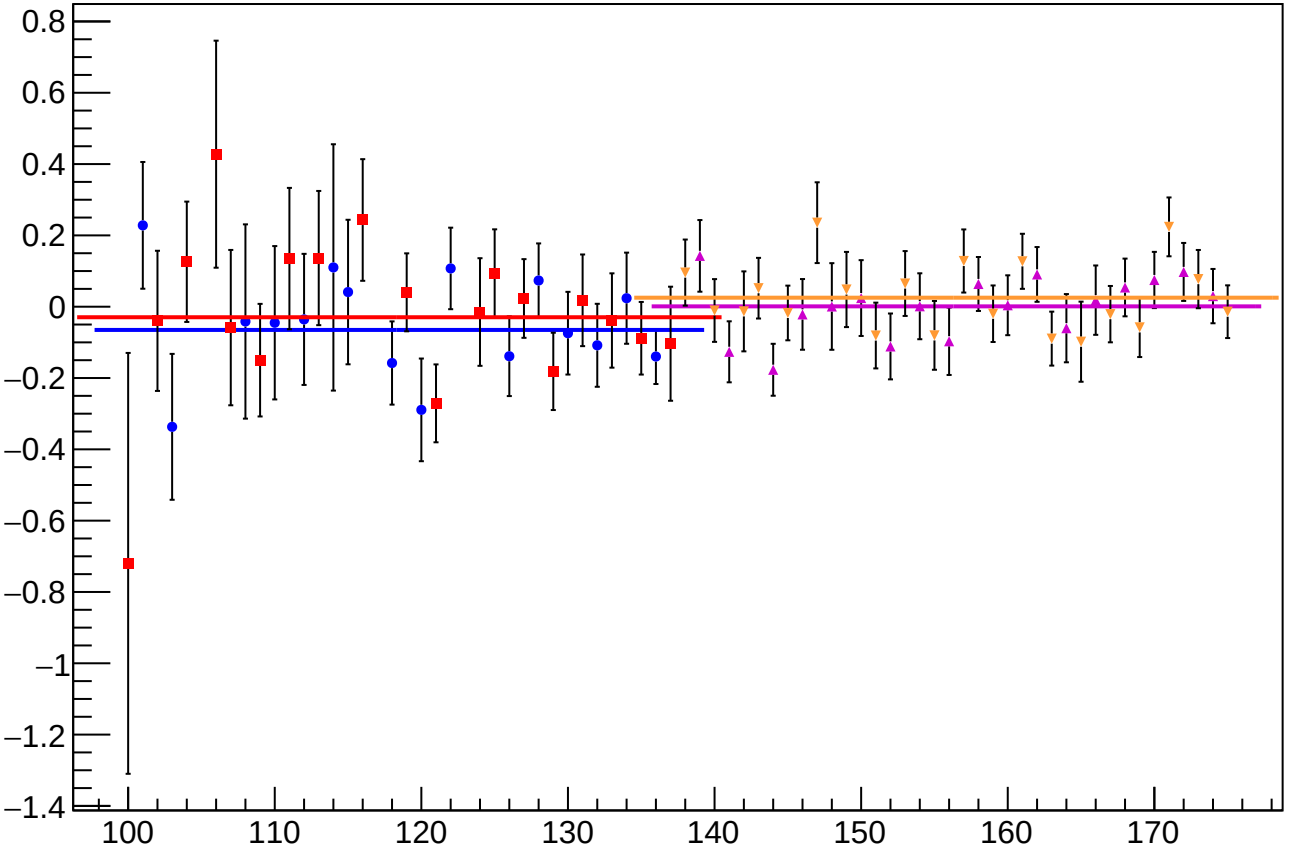
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.385+/-0.012 χ^2/NDF:1598082.1/33

Out: 79.259+/-0.012 χ^2/NDF:1475135.0/38

All: 79.798+/-0.009 χ^2/NDF: 3077540.4/72

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

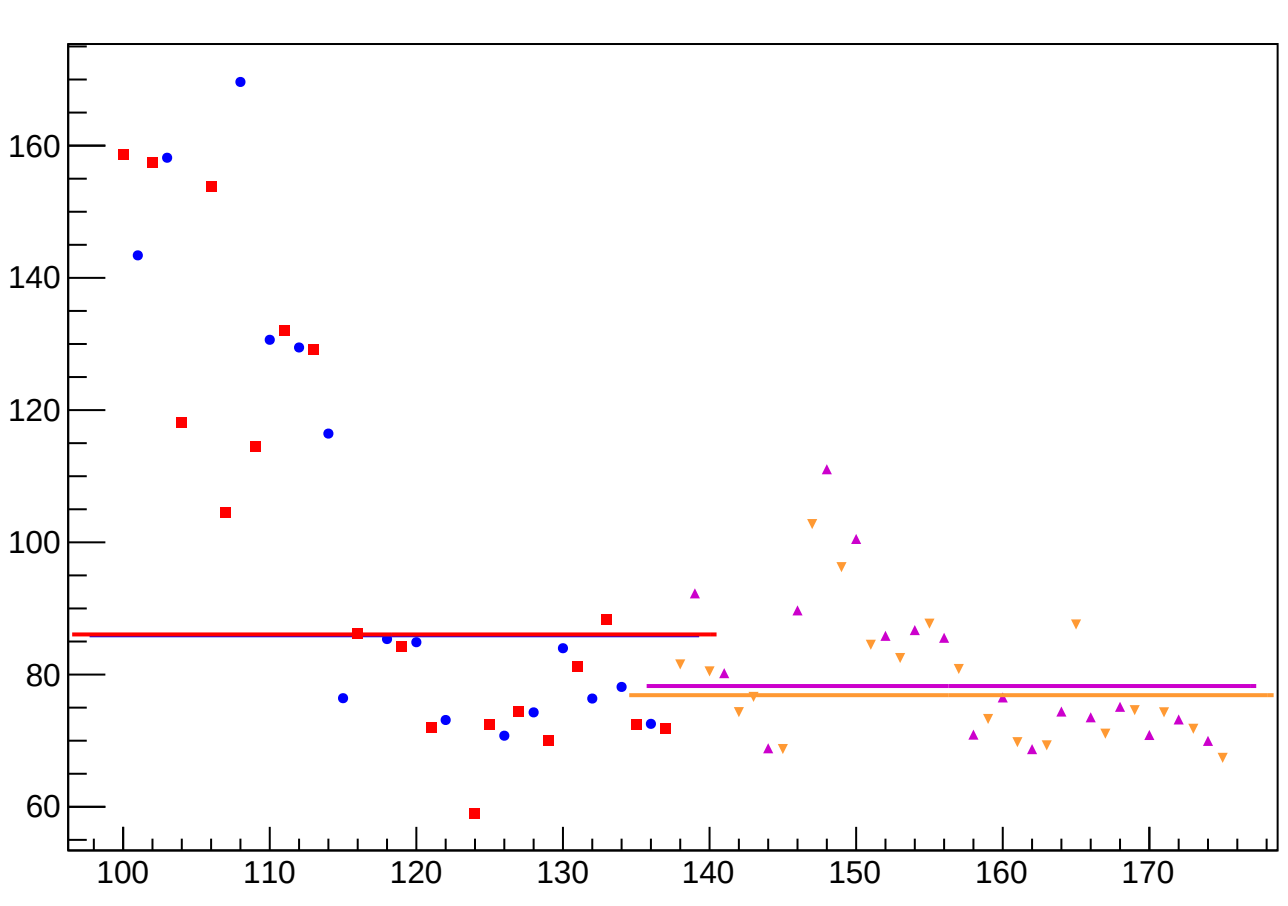
Left: 0.014+/-0.014 χ^2/NDF: 41.1/37

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 78.9/72



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

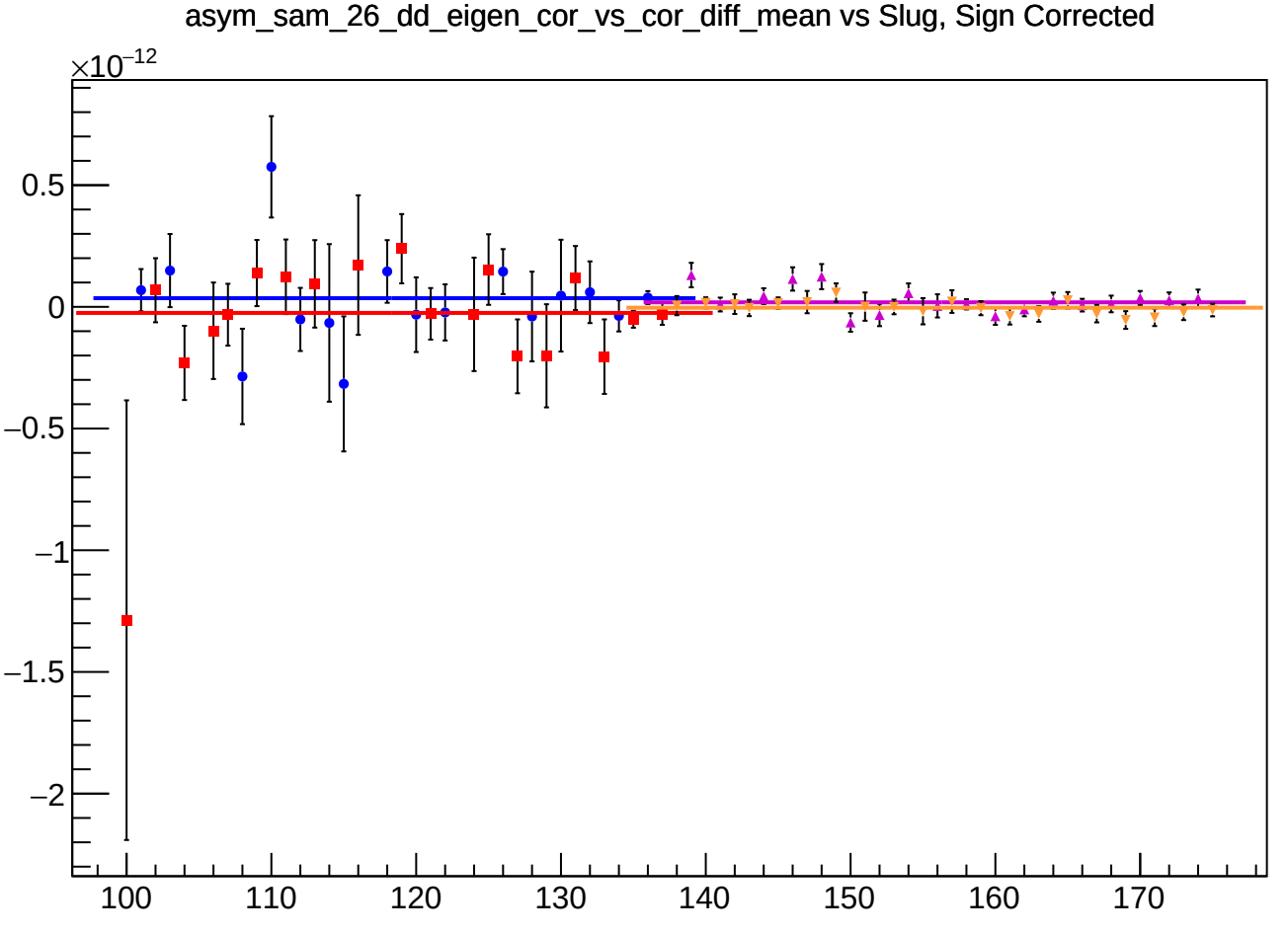
Left: 77.538+/-0.010 χ^2/NDF: 859546.5/37

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.385+/-0.012 χ^2/NDF:1598082.1/33

Out: 79.259+/-0.012 χ^2/NDF:1475135.0/38

All: 79.798+/-0.009 χ^2/NDF: 3077540.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.5/17

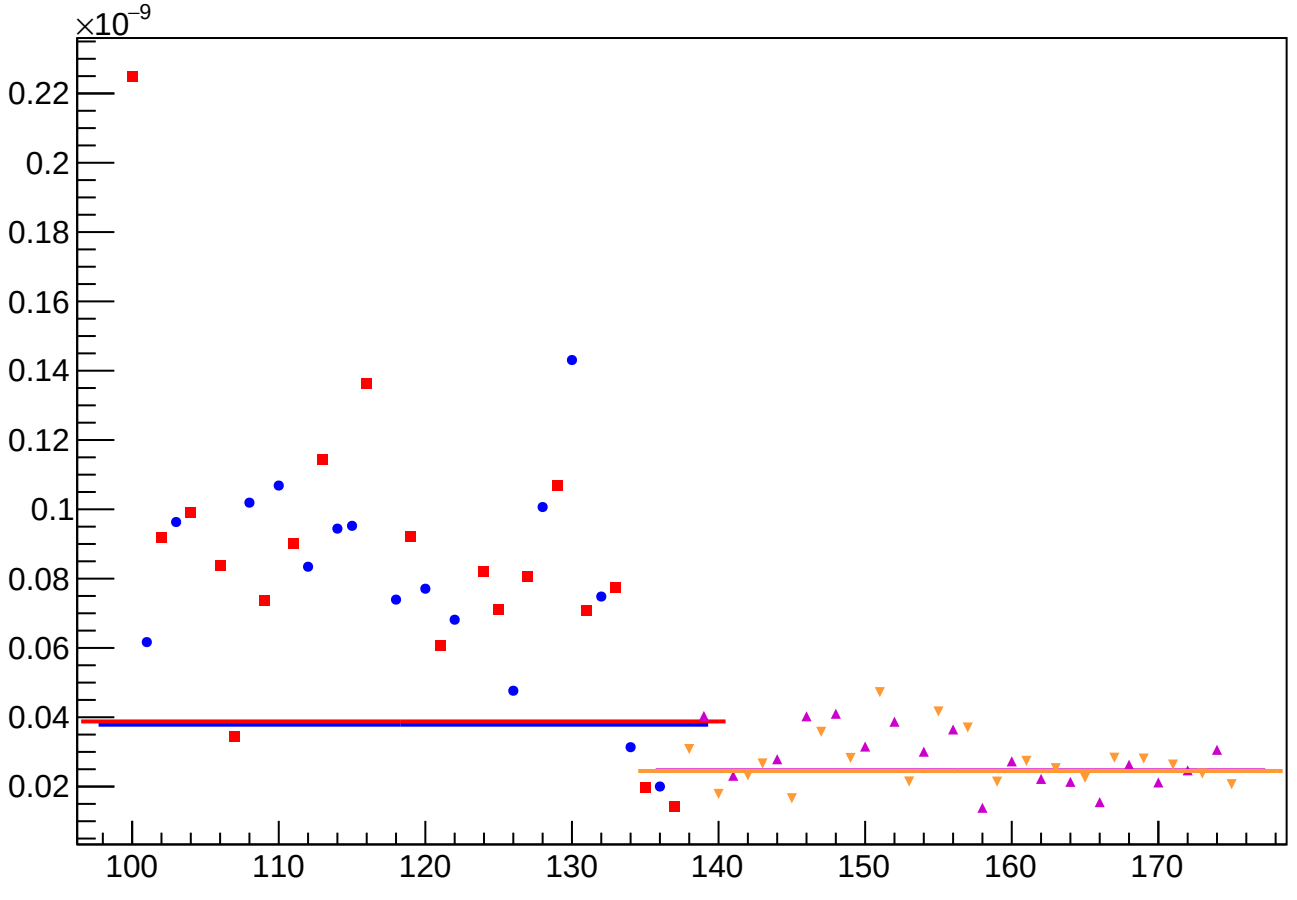
Left: 0.000+/-0.000 χ^2/NDF: 41.1/37

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:42.5/33

Out: -0.000+/-0.000 χ^2/NDF:30.2/38

All: 0.000+/-0.000 χ^2/NDF: 79.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408082.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1951510.0/17

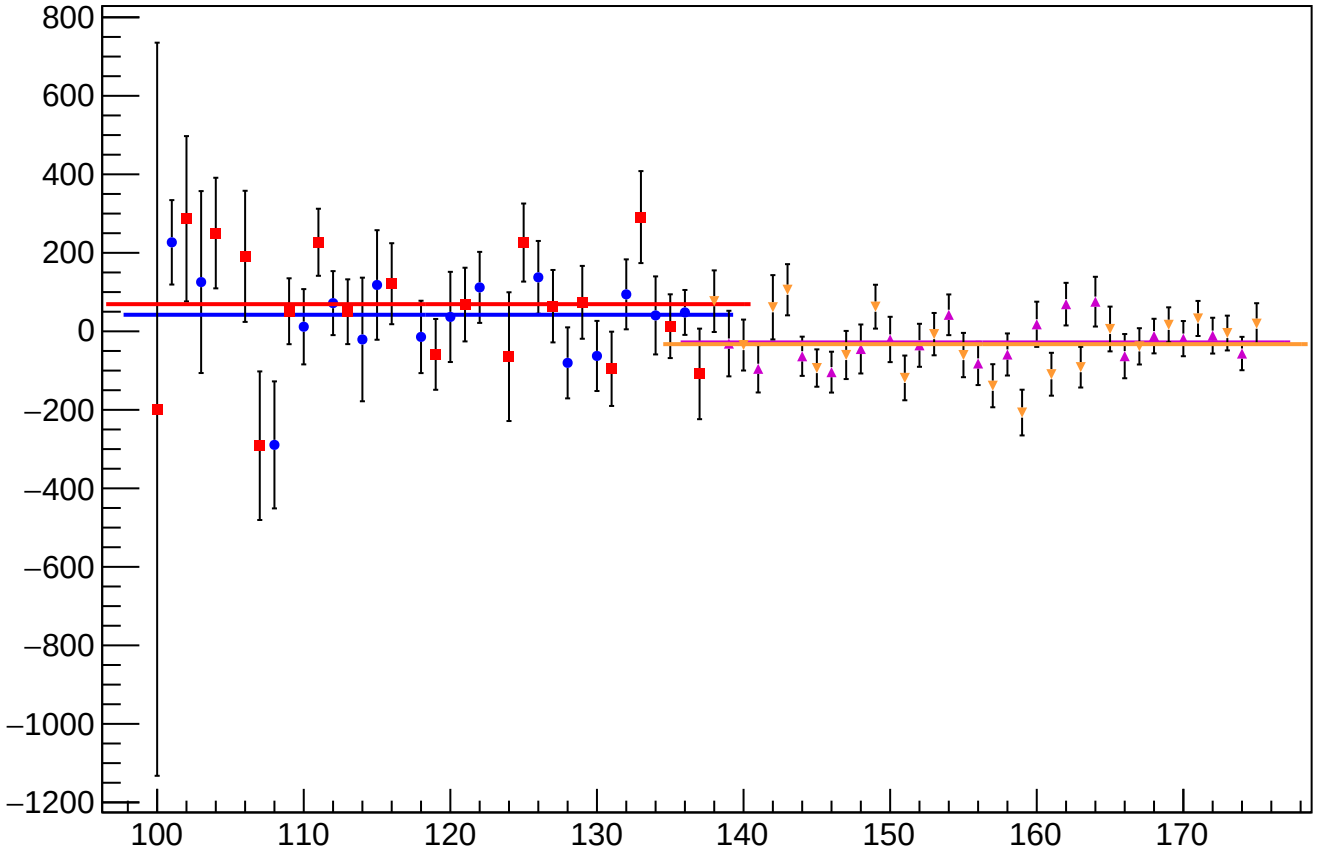
Left: 0.000+/-0.000 χ^2/NDF: 3360147.6/37

Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6120480.8/33

Out: 0.000+/-0.000 χ^2/NDF:6275658.6/38

All: 0.000+/-0.000 χ^2/NDF: 12399306.4/72



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.626+/-12.154 χ^2/NDF:36.5/19

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -28.225+/-12.520 χ^2/NDF:14.8/17

Left: -30.491+/-8.721 χ^2/NDF: 51.3/37

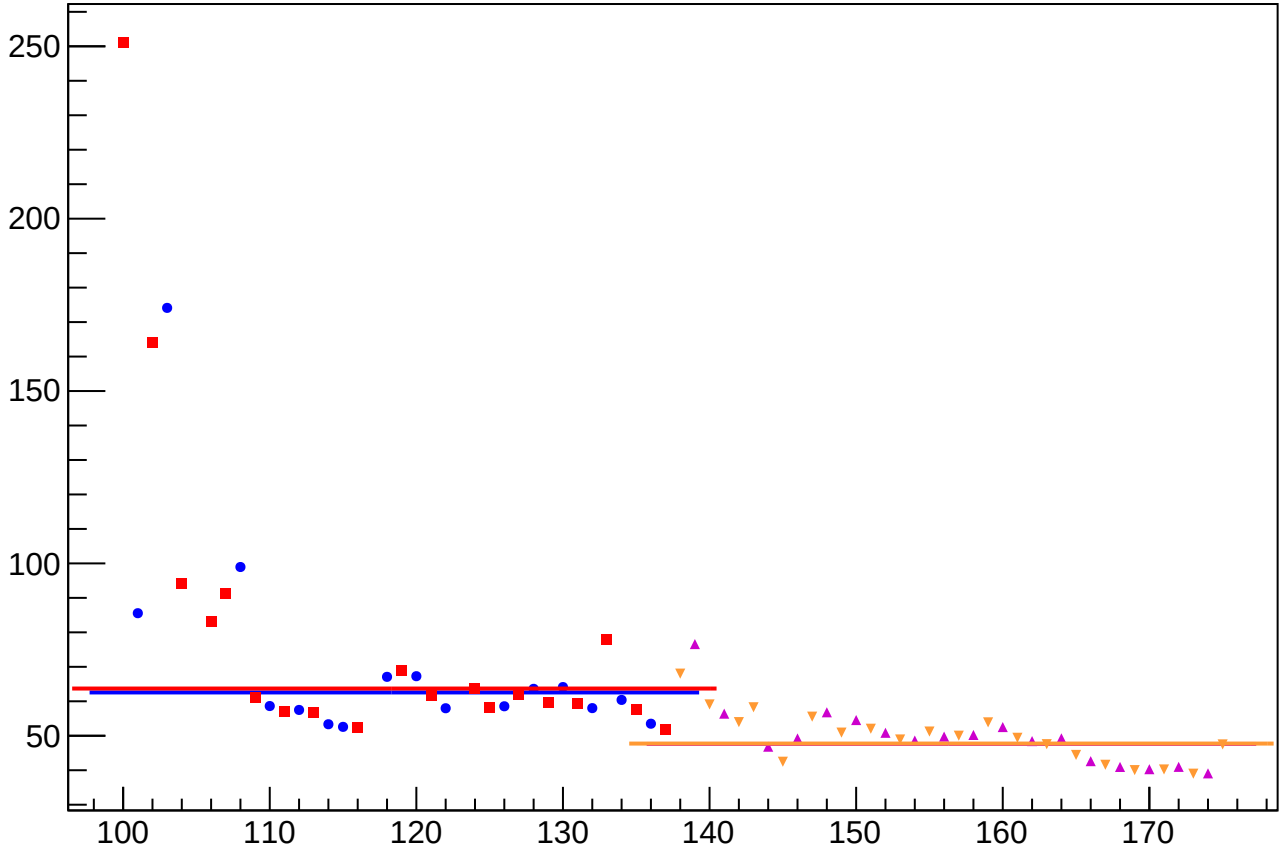
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -13.358+/-11.121 χ^2/NDF:35.0/33

Out: -12.398+/-10.881 χ^2/NDF:75.8/38

All: -12.868+/-7.777 χ^2/NDF: 110.8/72

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.733+/-0.009 χ^2/NDF:605952.0/19

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

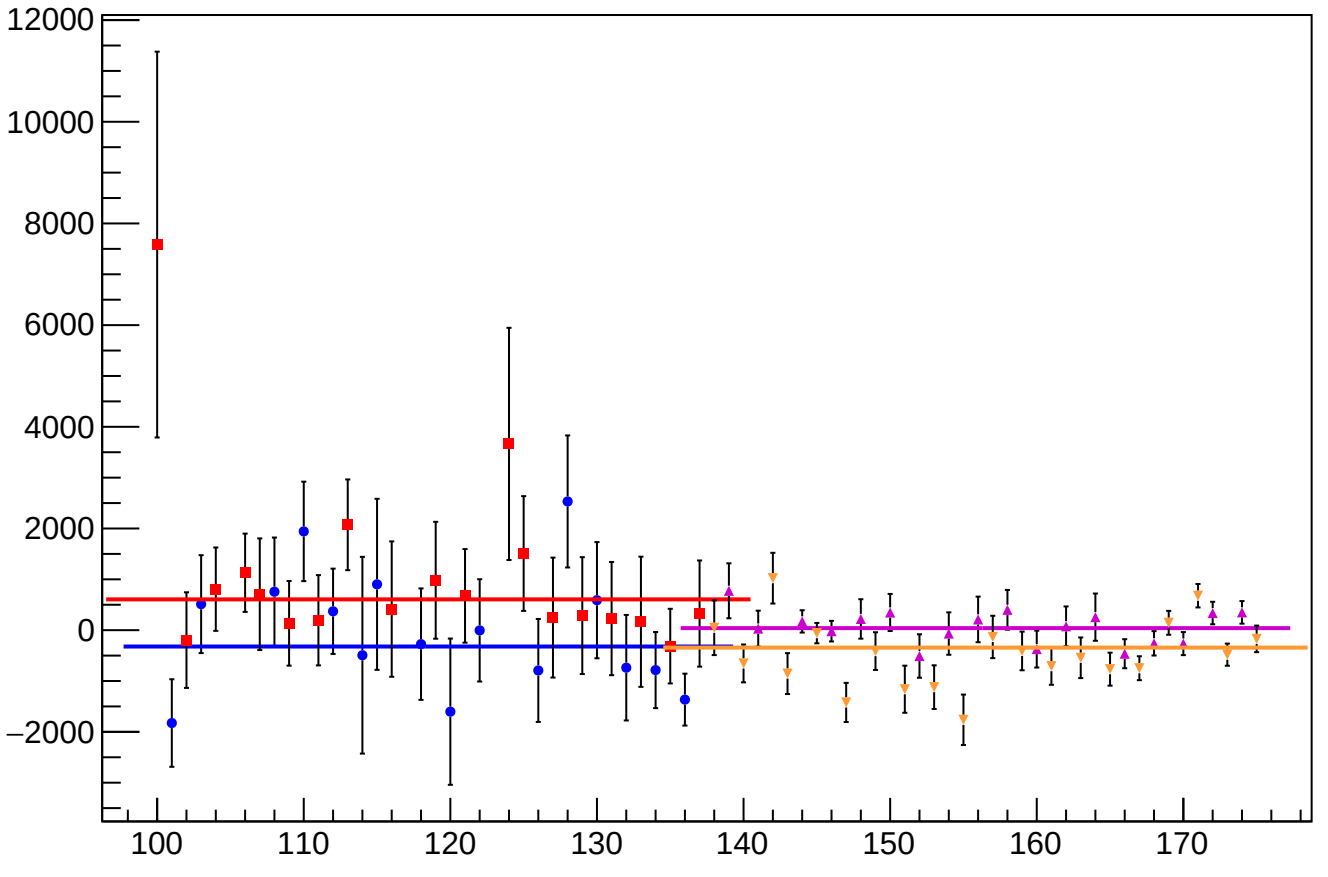
Left: 47.677+/-0.006 χ^2/NDF: 1233359.7/37

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.772+/-0.008 χ^2/NDF:1987600.1/33

Out: 50.903+/-0.008 χ^2/NDF:2125465.9/38

All: 50.839+/-0.005 χ^2/NDF: 4113206.8/72



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -342.803+/-70.609 χ^2/NDF:65.8/19

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 40.233+/-70.340 χ^2/NDF:17.7/17

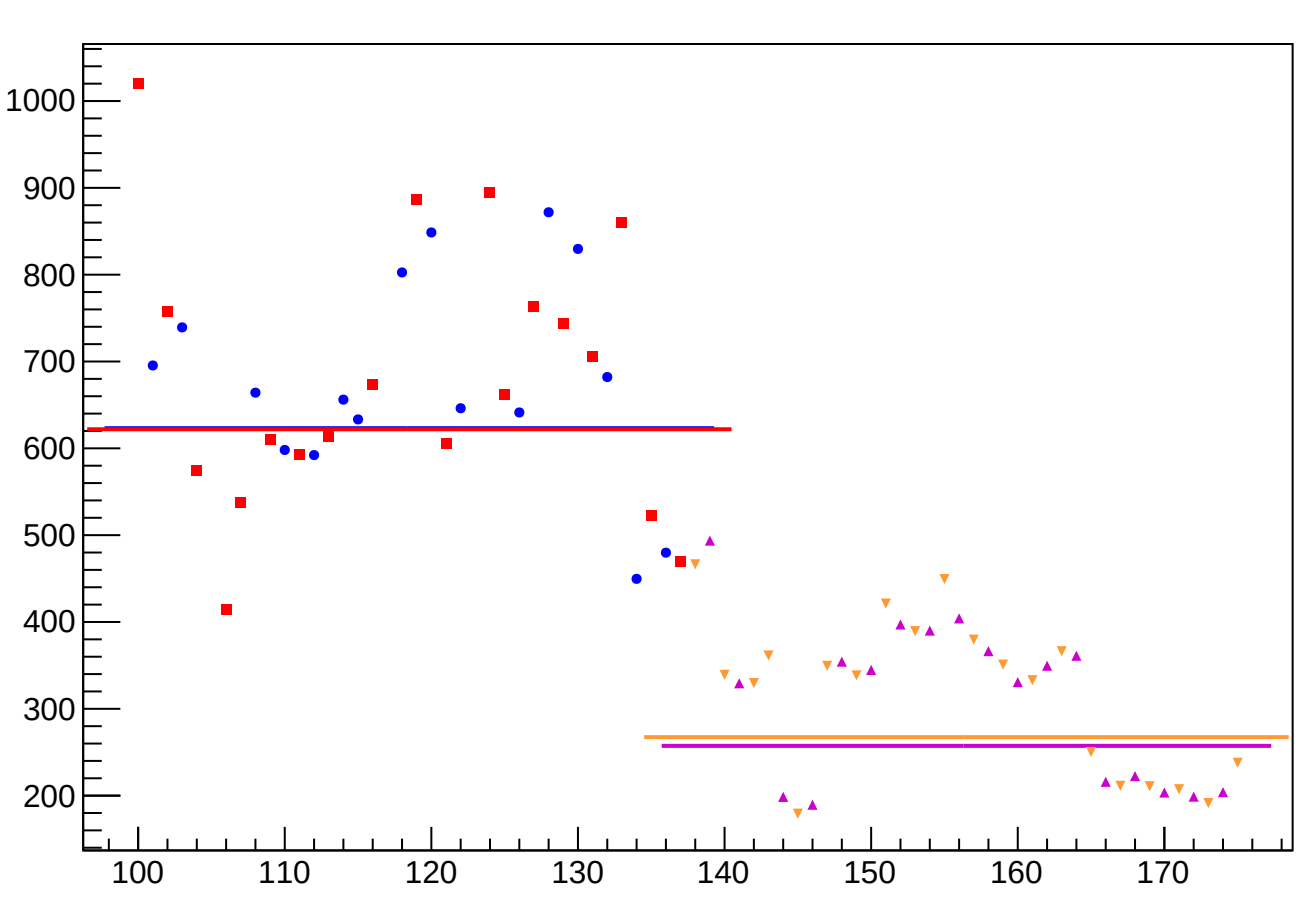
Left: -150.555+/-49.833 χ^2/NDF: 98.2/37

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 11.270+/-67.467 χ^2/NDF:42.5/33

Out: -263.413+/-67.590 χ^2/NDF:93.4/38

All: -125.821+/-47.750 χ^2/NDF: 144.2/72



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760686.8/19

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 257.345+/-0.050 χ^2/NDF:2605187.8/17

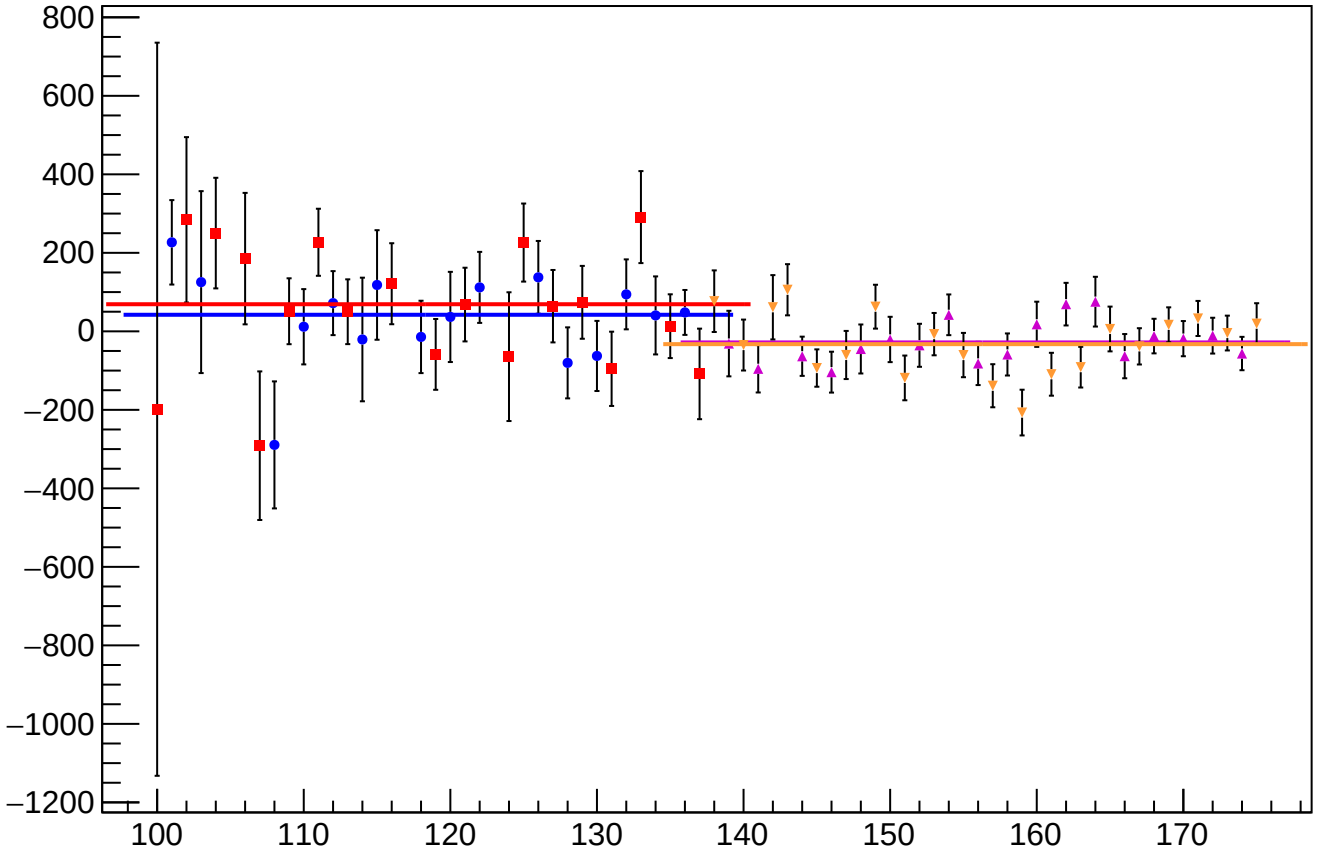
Left: 262.342+/-0.035 χ^2/NDF: 5386141.2/37

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 286.624+/-0.048 χ^2/NDF:7500462.9/33

Out: 297.053+/-0.048 χ^2/NDF:7564496.8/38

All: 291.829+/-0.034 χ^2/NDF: 15088811.6/72



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -28.223+/-12.520 χ^2/NDF:14.8/17

Left: -30.488+/-8.721 χ^2/NDF: 51.3/37

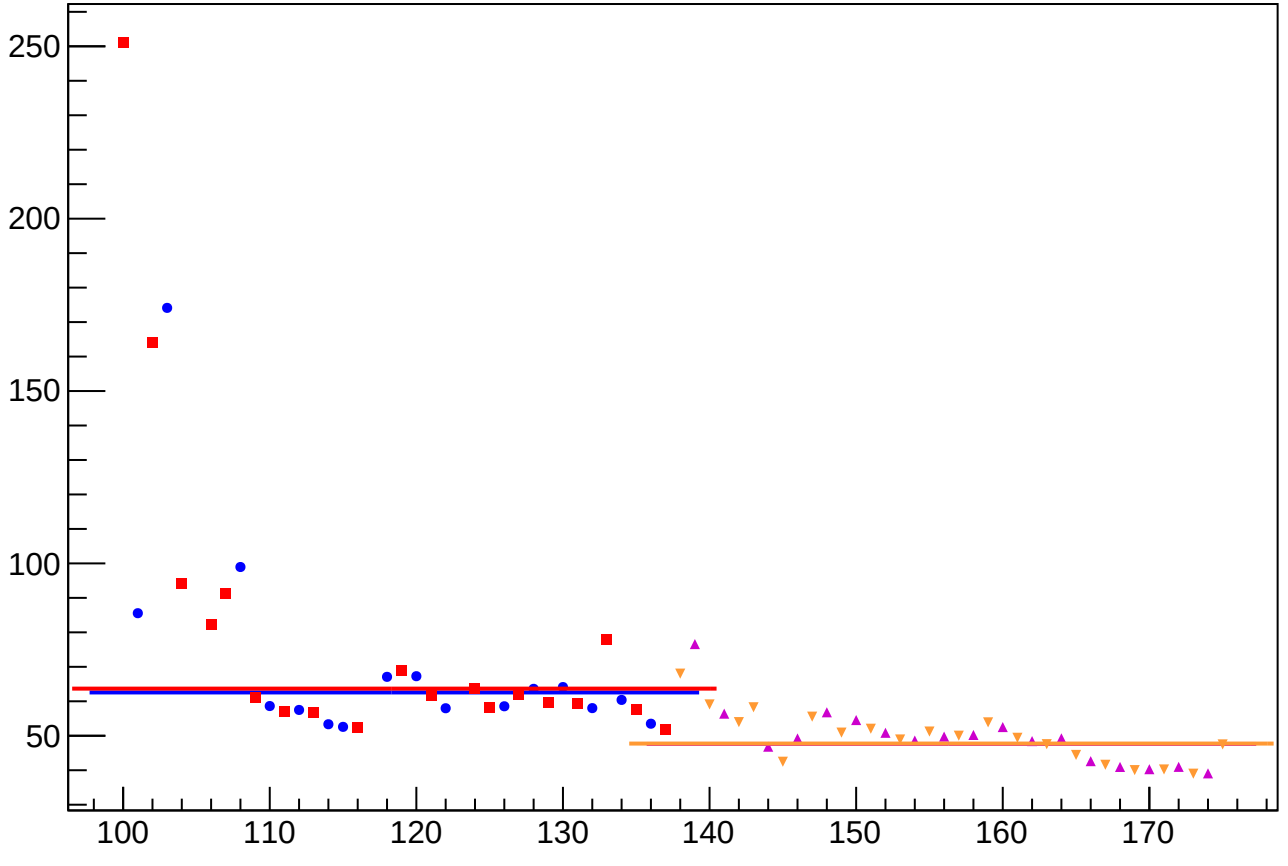
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.357+/-11.121 χ^2/NDF:35.0/33

Out: -12.434+/-10.881 χ^2/NDF:75.6/38

All: -12.886+/-7.777 χ^2/NDF: 110.7/72

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

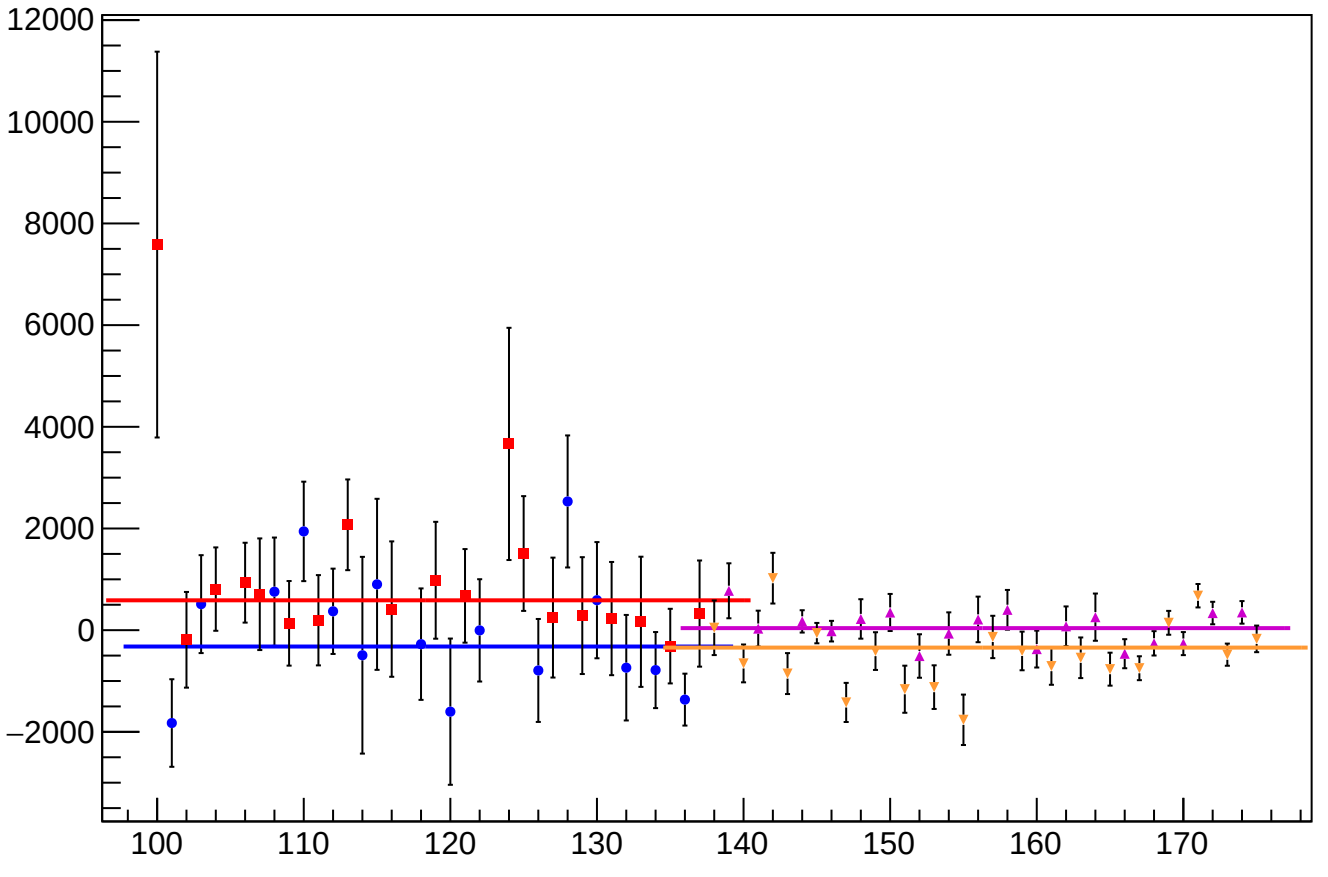
Left: 47.677+/-0.006 χ^2/NDF: 1233359.6/37

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.772+/-0.008 χ^2/NDF:1987601.9/33

Out: 50.898+/-0.008 χ^2/NDF:2120580.9/38

All: 50.836+/-0.005 χ^2/NDF: 4108312.8/72



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 40.237+/-70.340 χ^2/NDF:17.7/17

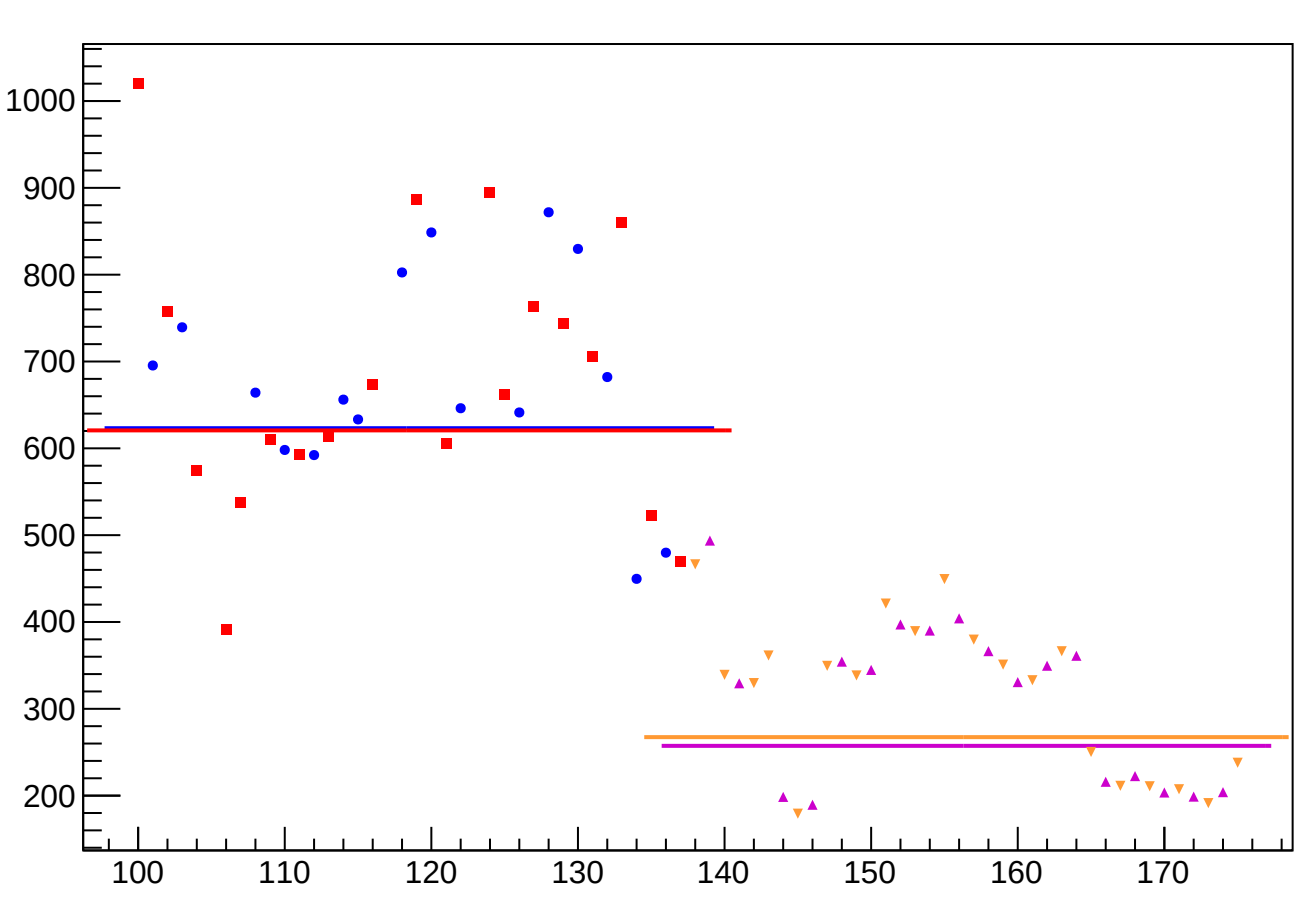
Left: -150.551+/-49.833 χ^2/NDF: 98.2/37

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 11.273+/-67.467 χ^2/NDF:42.5/33

Out: -265.234+/-67.600 χ^2/NDF:92.5/38

All: -126.707+/-47.753 χ^2/NDF: 143.3/72



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

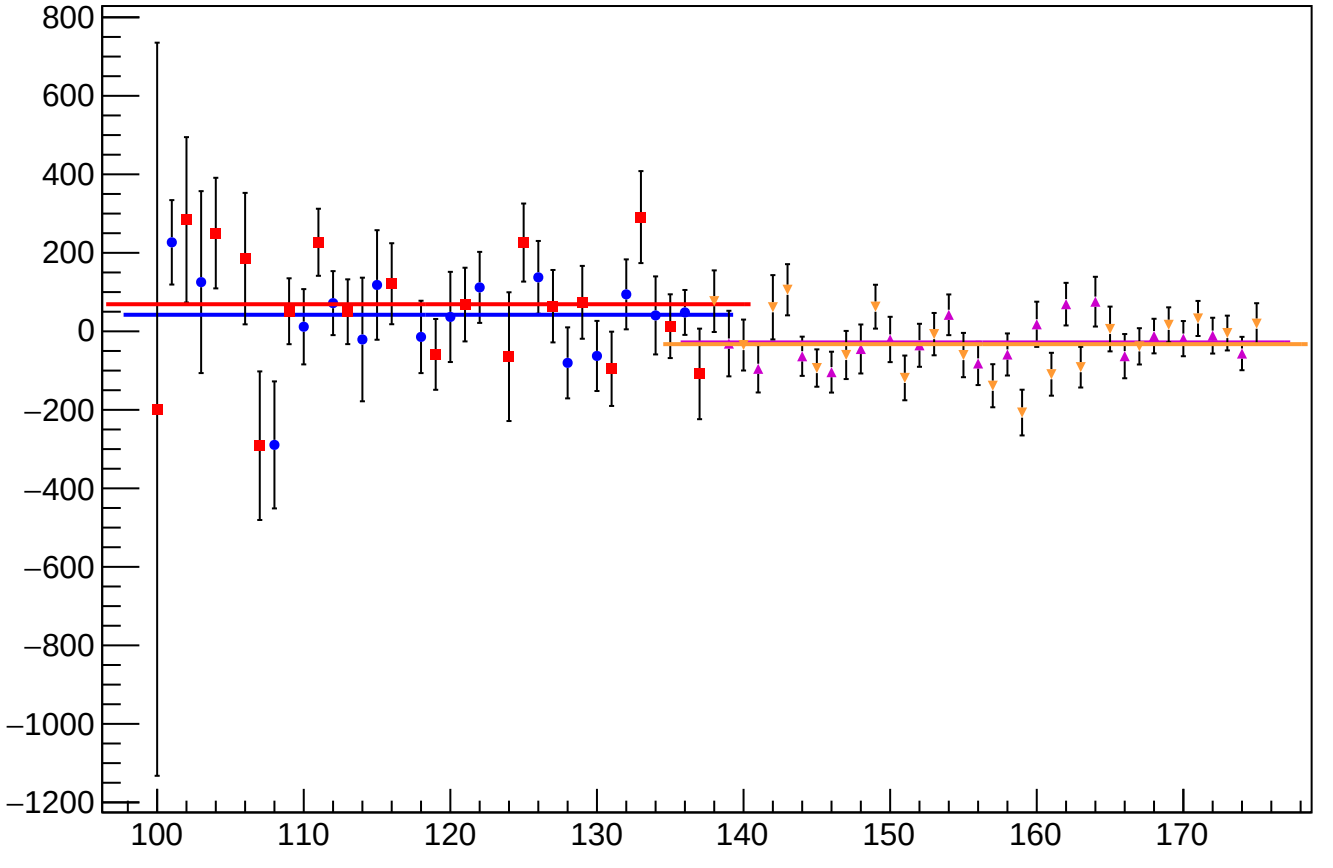
Left: 262.342+/-0.035 χ^2/NDF: 5386140.5/37

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 286.624+/-0.048 χ^2/NDF:7500506.4/33

Out: 296.843+/-0.048 χ^2/NDF:7547180.6/38

All: 291.723+/-0.034 χ^2/NDF: 15070583.5/72



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -28.223+/-12.520 χ^2/NDF:14.8/17

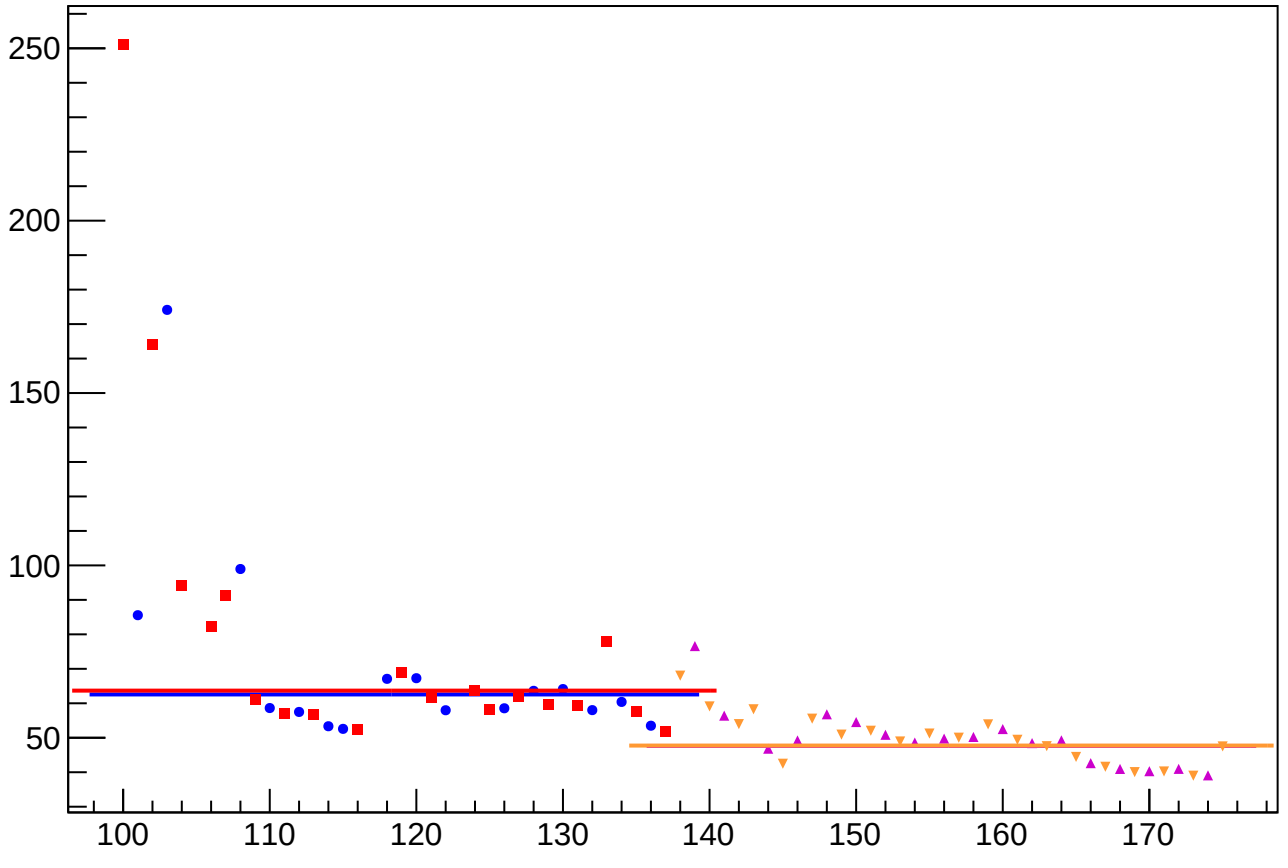
Left: -30.488+/-8.721 χ^2/NDF: 51.3/37

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.357+/-11.121 χ^2/NDF:35.0/33

Out: -12.434+/-10.881 χ^2/NDF:75.6/38

All: -12.886+/-7.777 χ^2/NDF: 110.7/72



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

Left: 47.677+/-0.006 χ^2/NDF: 1233359.6/37

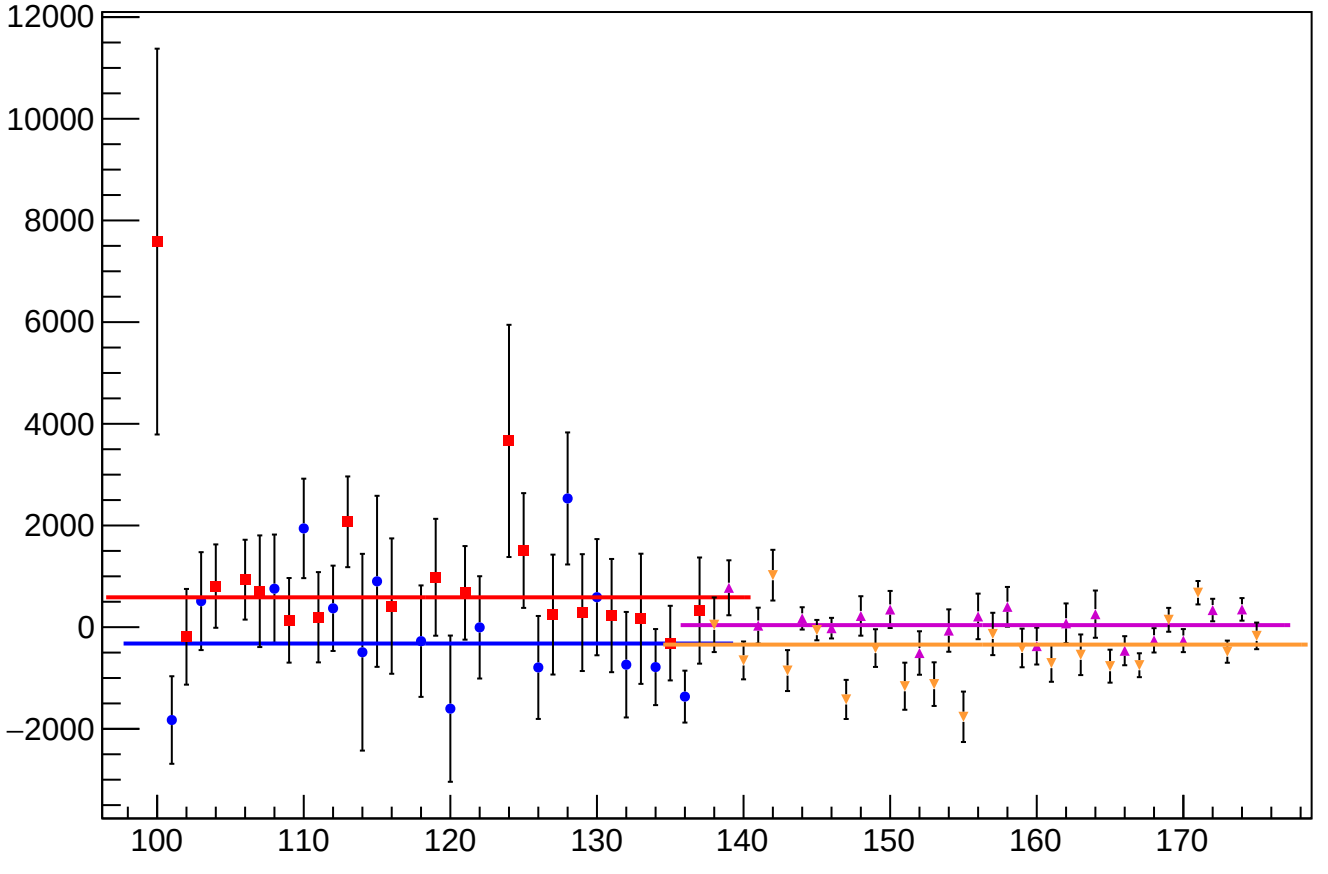
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.772+/-0.008 χ^2/NDF:1987601.9/33

Out: 50.898+/-0.008 χ^2/NDF:2120580.9/38

All: 50.836+/-0.005 χ^2/NDF: 4108312.8/72

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 40.237+/-70.340 χ^2/NDF:17.7/17

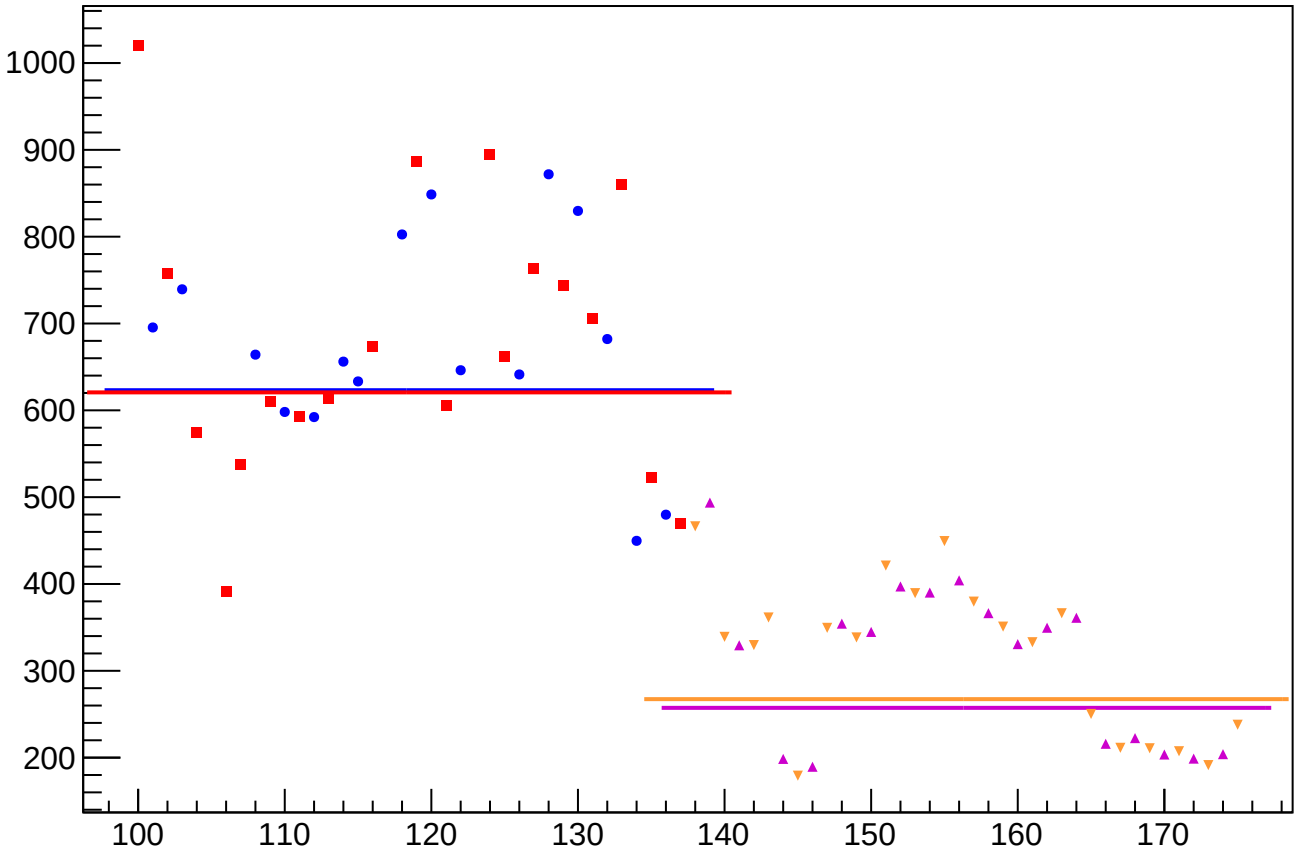
Left: -150.551+/-49.833 χ^2/NDF: 98.2/37

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 11.273+/-67.467 χ^2/NDF:42.5/33

Out: -265.234+/-67.600 χ^2/NDF:92.5/38

All: -126.707+/-47.753 χ^2/NDF: 143.3/72



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

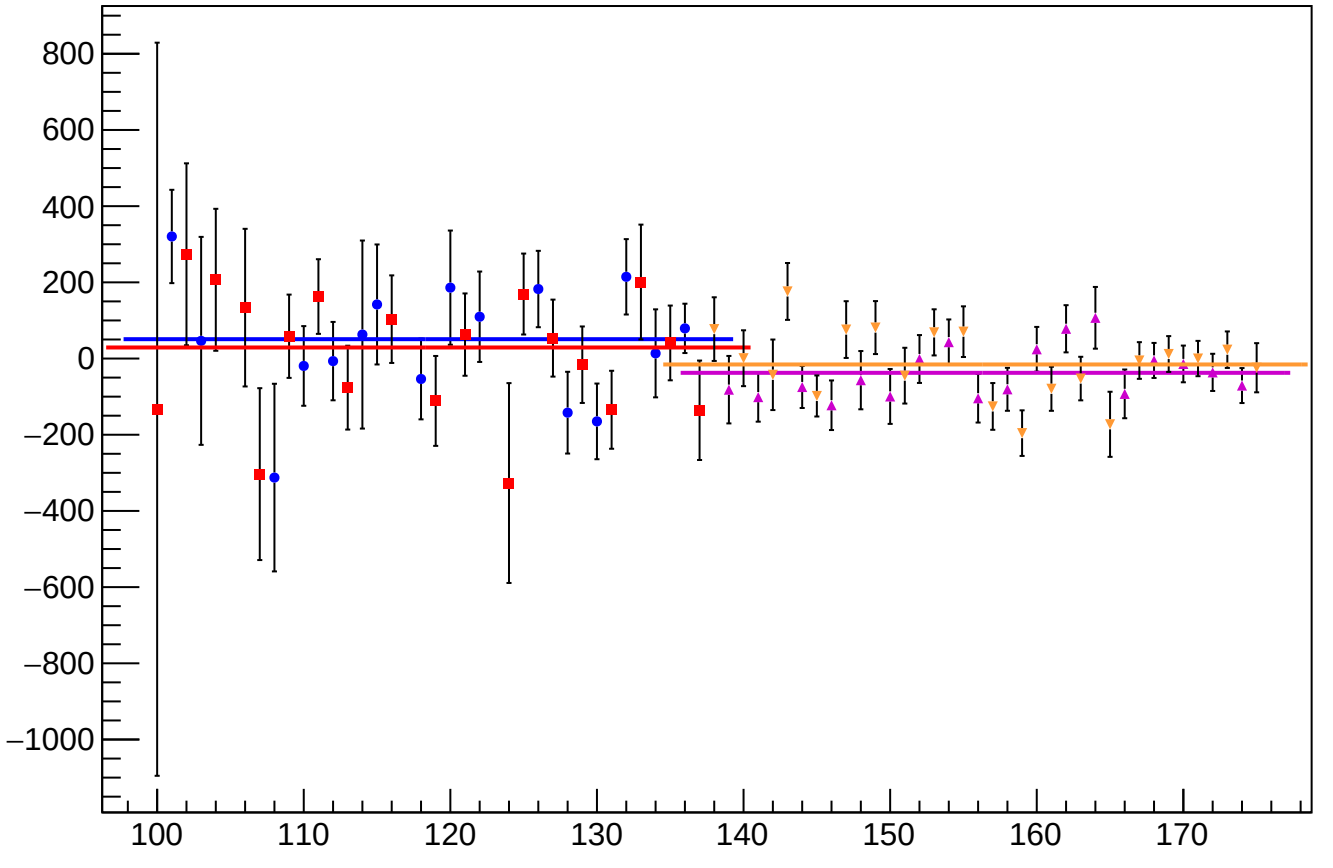
Left: 262.342+/-0.035 χ^2/NDF: 5386140.5/37

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 286.624+/-0.048 χ^2/NDF:7500506.4/33

Out: 296.843+/-0.048 χ^2/NDF:7547180.6/38

All: 291.723+/-0.034 χ^2/NDF: 15070583.5/72



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.536+/-13.665 χ^2/NDF:36.0/19

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -37.481+/-13.951 χ^2/NDF:17.8/17

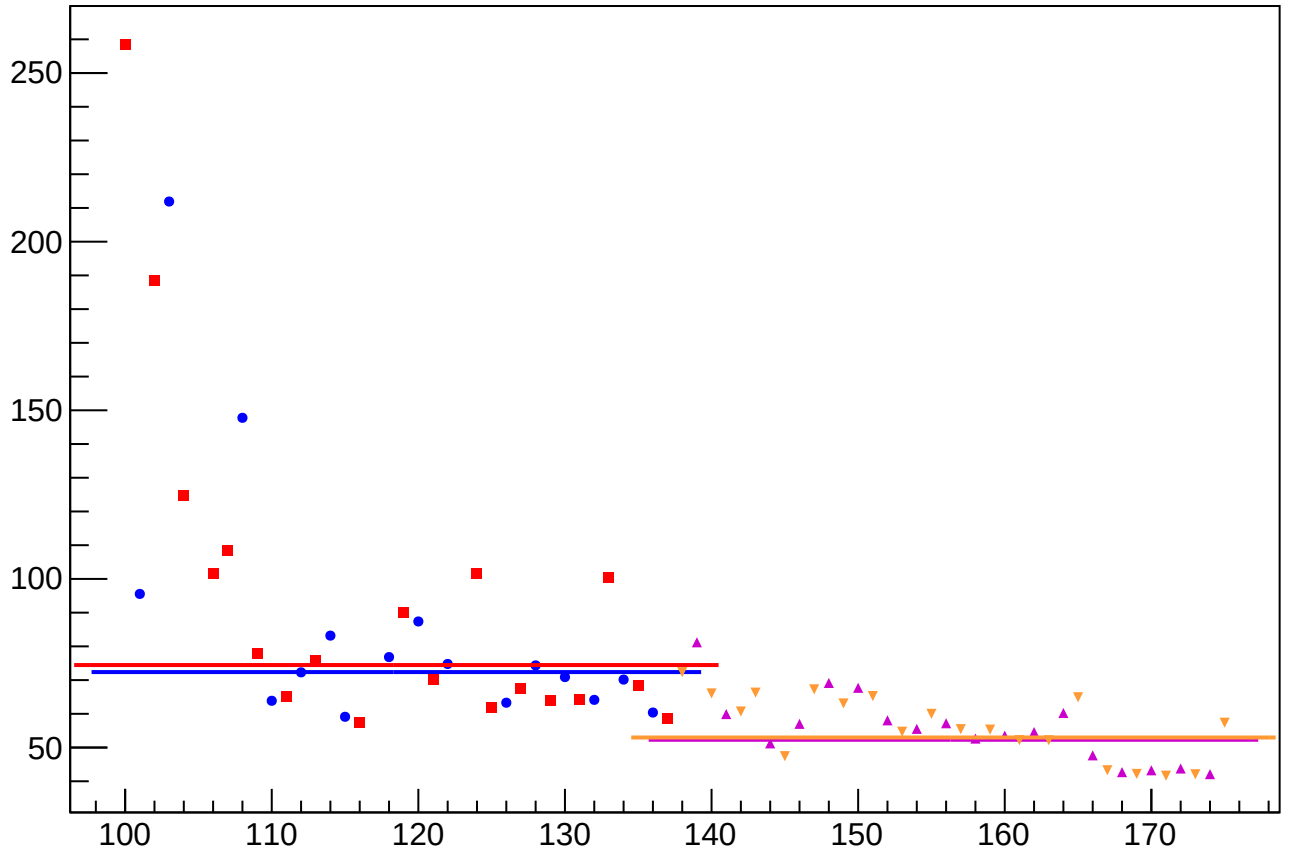
Left: -26.281+/-9.762 χ^2/NDF: 55.1/37

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -20.230+/-12.515 χ^2/NDF:48.5/33

Out: -7.395+/-12.355 χ^2/NDF:56.5/38

All: -13.730+/-8.792 χ^2/NDF: 105.5/72



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.979+/-0.010 χ^2/NDF:930670.5/19

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.306+/-0.010 χ^2/NDF:825931.3/17

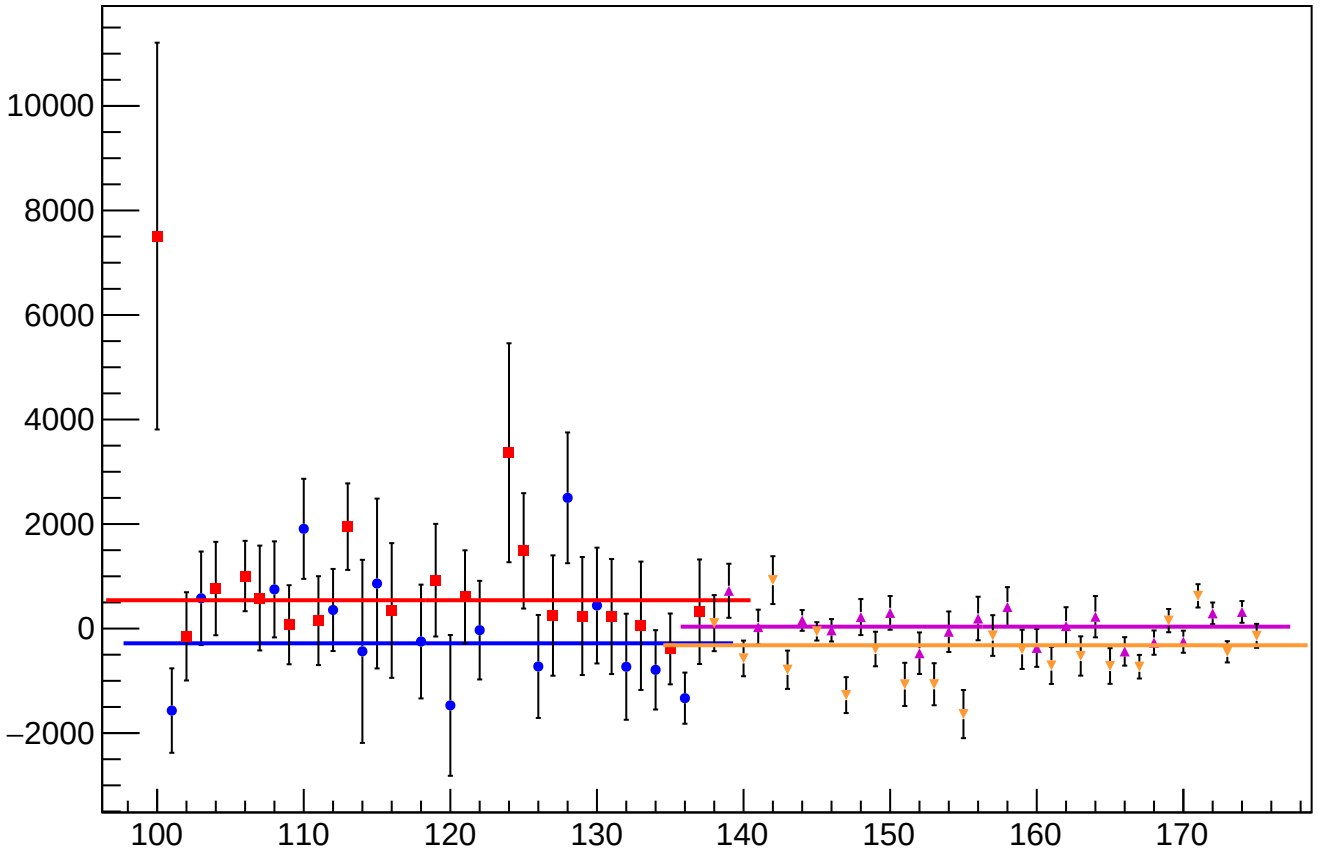
Left: 52.649+/-0.007 χ^2/NDF: 1758977.1/37

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 56.226+/-0.009 χ^2/NDF:2572779.1/33

Out: 56.902+/-0.009 χ^2/NDF:2885841.2/38

All: 56.569+/-0.006 χ^2/NDF: 5461577.9/72



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.280+/-66.477 χ^2/NDF:17.5/17

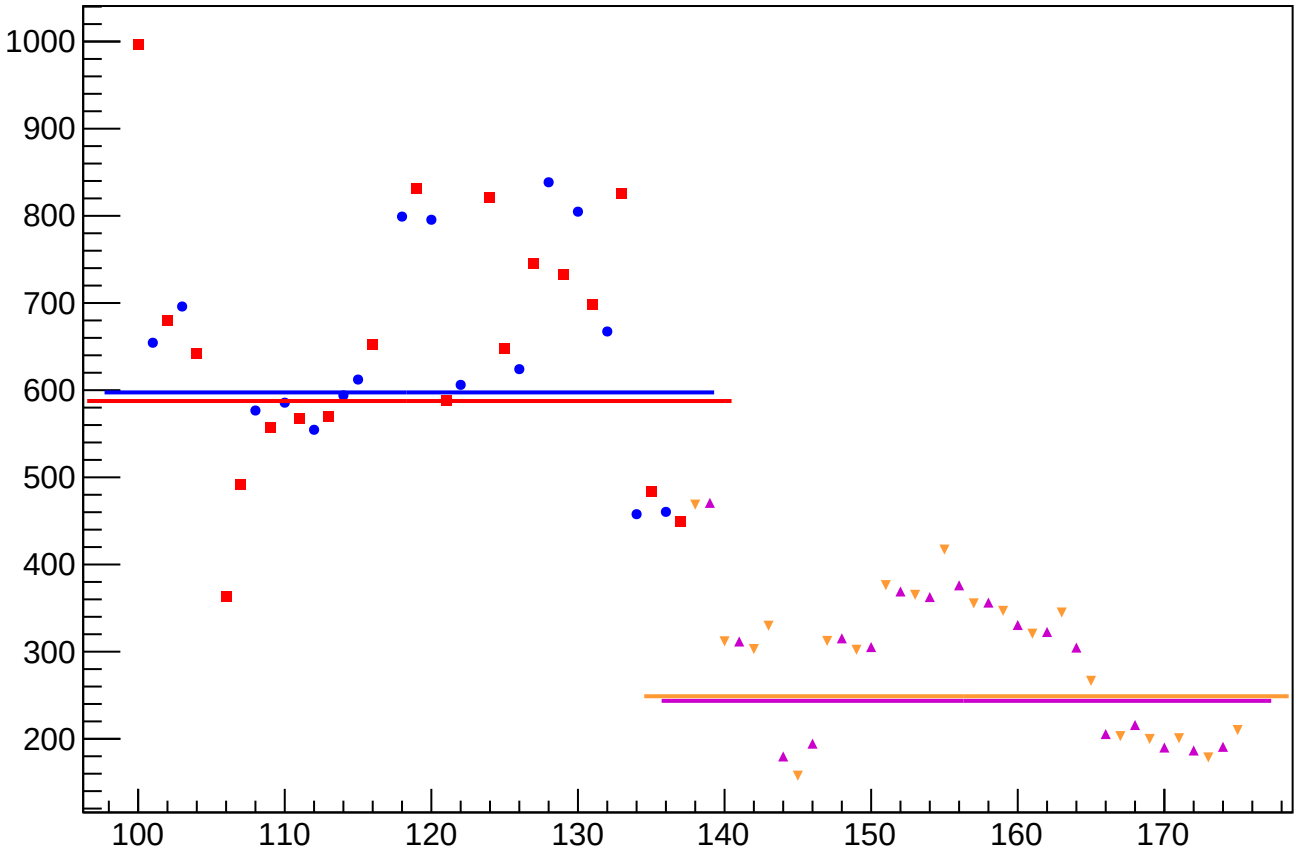
Left: -143.532+/-46.728 χ^2/NDF: 97.0/37

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 11.297+/-63.815 χ^2/NDF:42.1/33

Out: -249.170+/-62.971 χ^2/NDF:92.3/38

All: -120.670+/-44.823 χ^2/NDF: 142.8/72



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887157.6/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 243.584+/-0.047 χ^2/NDF:2443707.2/17

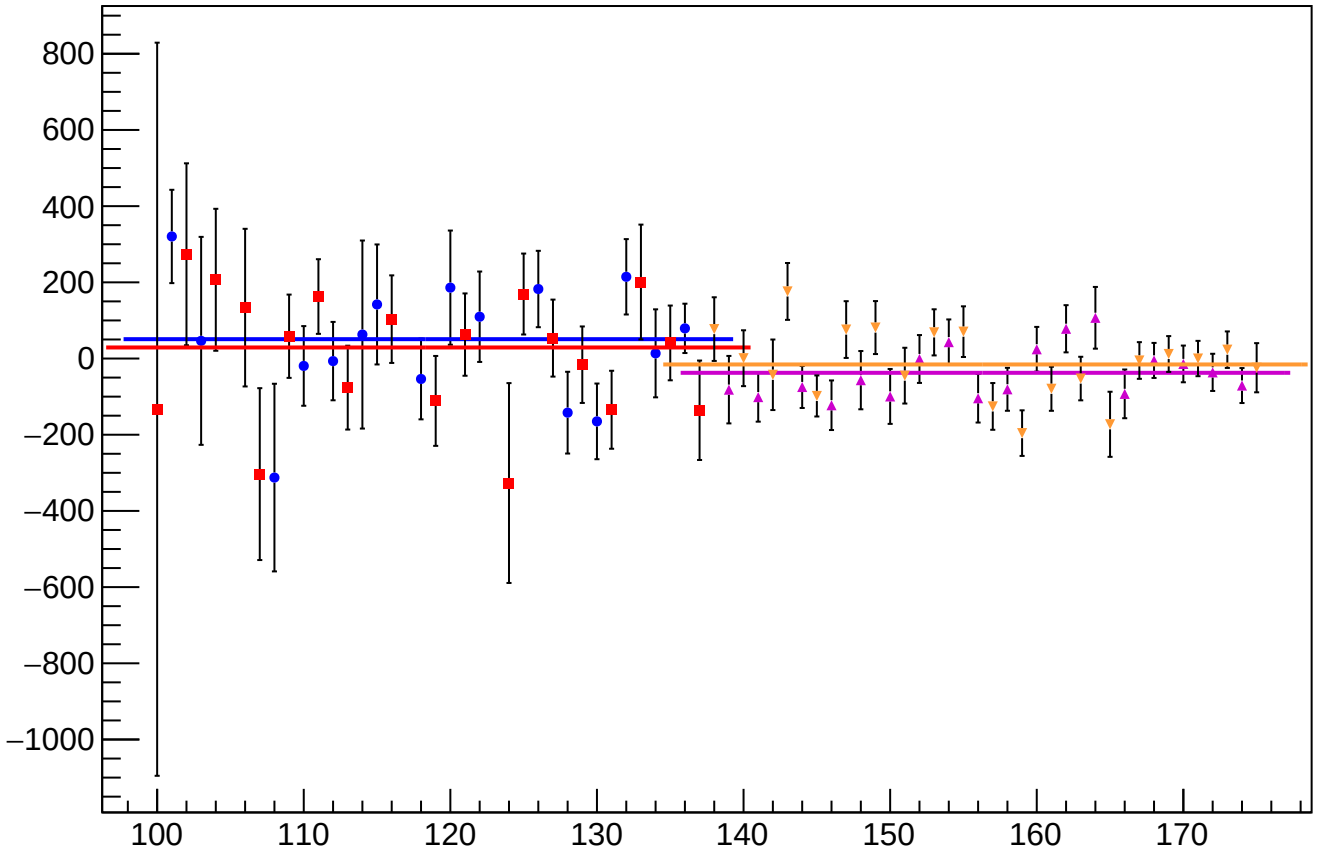
Left: 246.250+/-0.033 χ^2/NDF: 5337220.7/37

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 271.356+/-0.045 χ^2/NDF:7424980.0/33

Out: 276.377+/-0.045 χ^2/NDF:7896117.7/38

All: 273.900+/-0.032 χ^2/NDF: 15327369.7/72



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.535+/-13.666 χ^2/NDF:36.0/19

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -37.481+/-13.951 χ^2/NDF:17.8/17

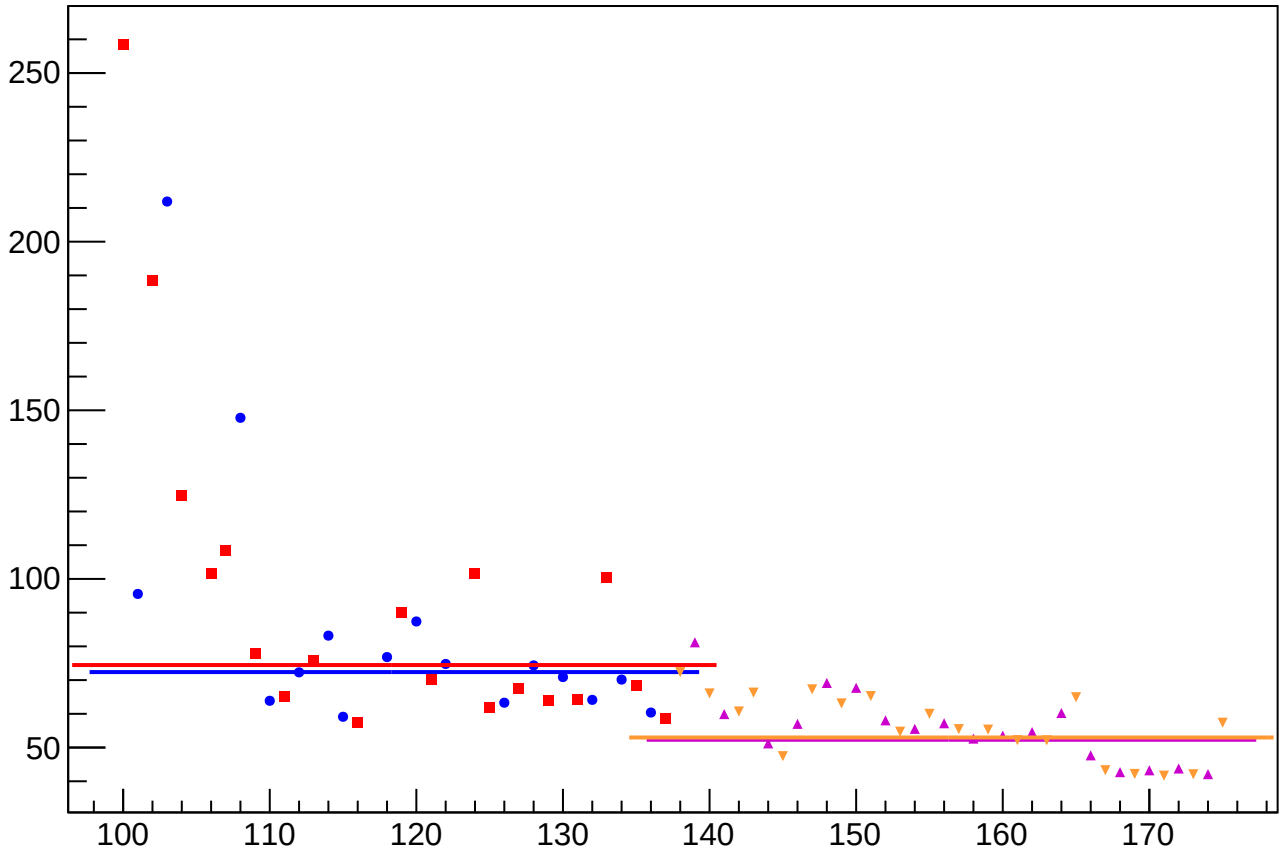
Left: -26.281+/-9.762 χ^2/NDF: 55.1/37

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -20.230+/-12.515 χ^2/NDF:48.5/33

Out: -7.394+/-12.355 χ^2/NDF:56.5/38

All: -13.730+/-8.792 χ^2/NDF: 105.5/72



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.979+/-0.010 χ^2/NDF:930692.9/19

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.306+/-0.010 χ^2/NDF:825939.8/17

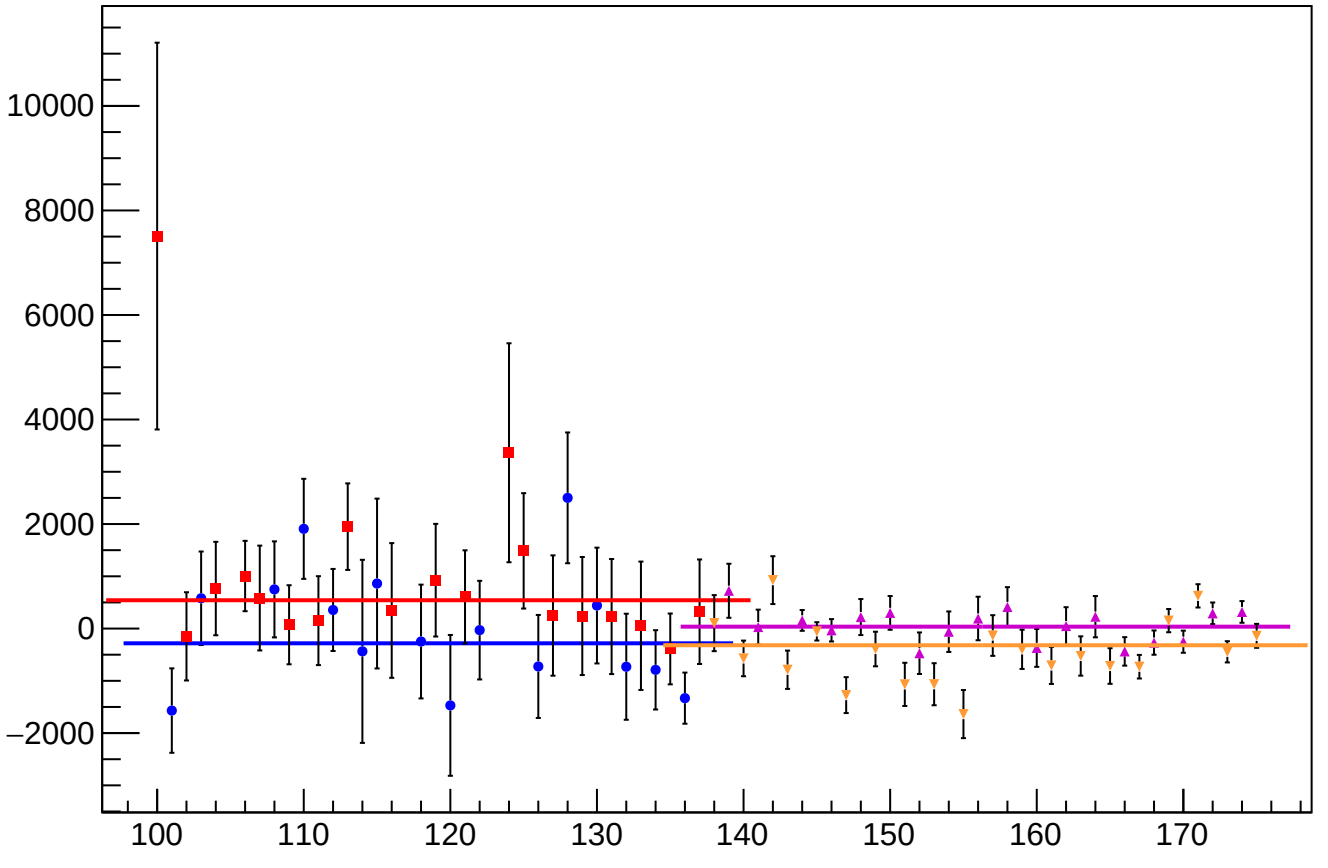
Left: 52.649+/-0.007 χ^2/NDF: 1759008.0/37

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 56.226+/-0.009 χ^2/NDF:2572774.6/33

Out: 56.903+/-0.009 χ^2/NDF:2885843.4/38

All: 56.569+/-0.006 χ^2/NDF: 5461575.7/72



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.279+/-66.477 χ^2/NDF:17.5/17

Left: -143.533+/-46.728 χ^2/NDF: 97.0/37

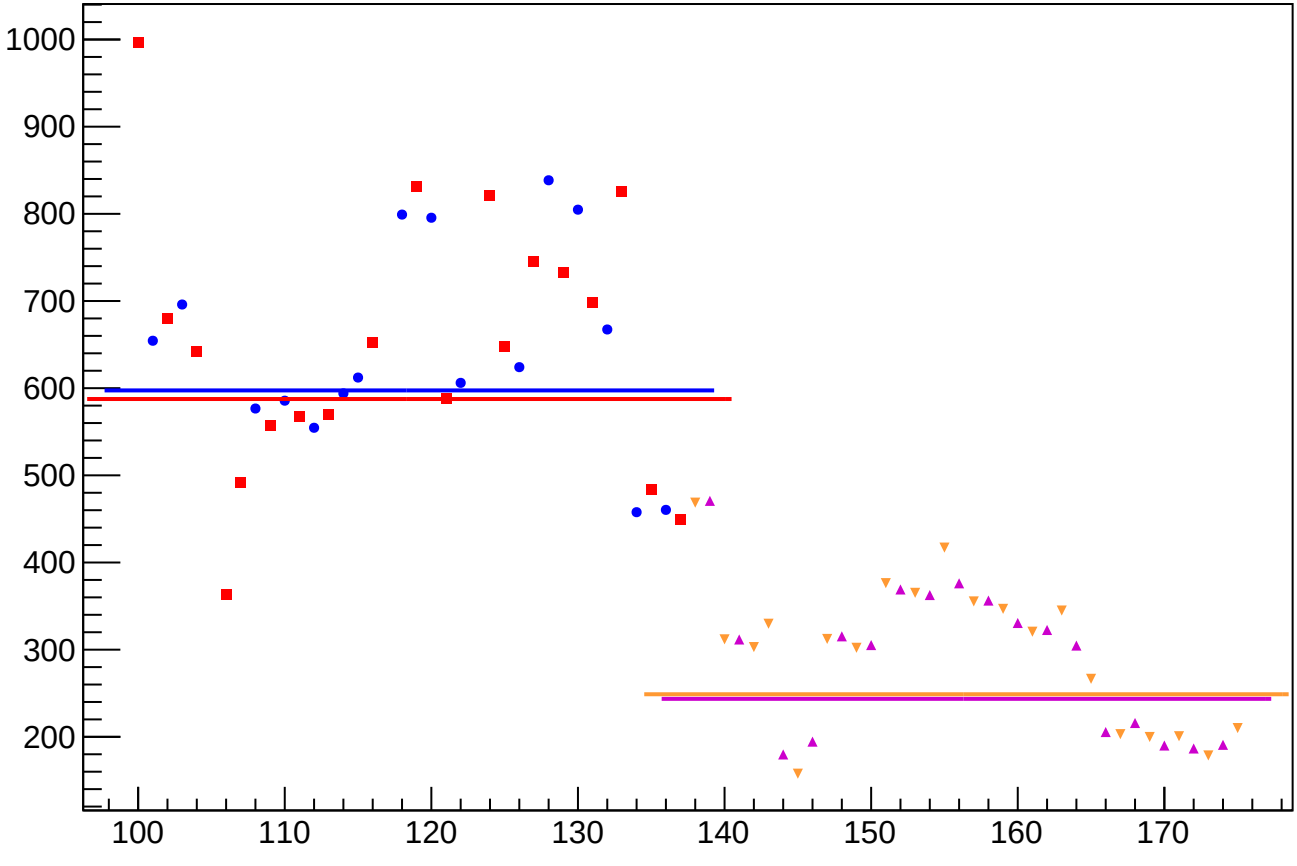
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 11.297+/-63.815 χ^2/NDF:42.1/33

Out: -249.170+/-62.971 χ^2/NDF:92.3/38

All: -120.670+/-44.823 χ^2/NDF: 142.8/72

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887147.7/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 243.584+/-0.047 χ^2/NDF:2443700.8/17

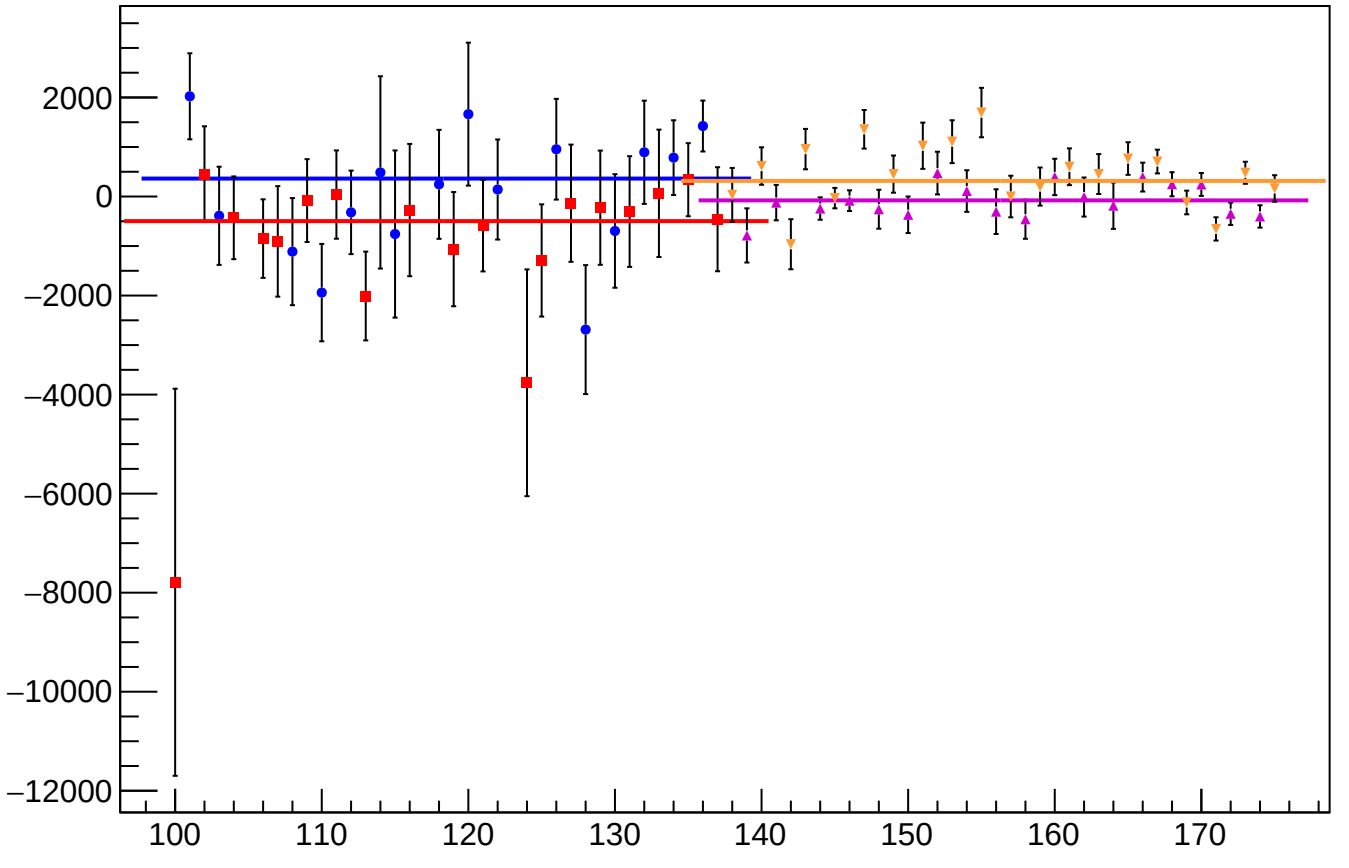
Left: 246.250+/-0.033 χ^2/NDF: 5337204.6/37

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 271.356+/-0.045 χ^2/NDF:7424982.3/33

Out: 276.377+/-0.045 χ^2/NDF:7896106.7/38

All: 273.900+/-0.032 χ^2/NDF: 15327361.3/72



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.258+/-71.825 χ^2/NDF:60.4/19

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -78.153+/-71.681 χ^2/NDF:17.6/17

Left: 118.159+/-50.737 χ^2/NDF: 93.0/37

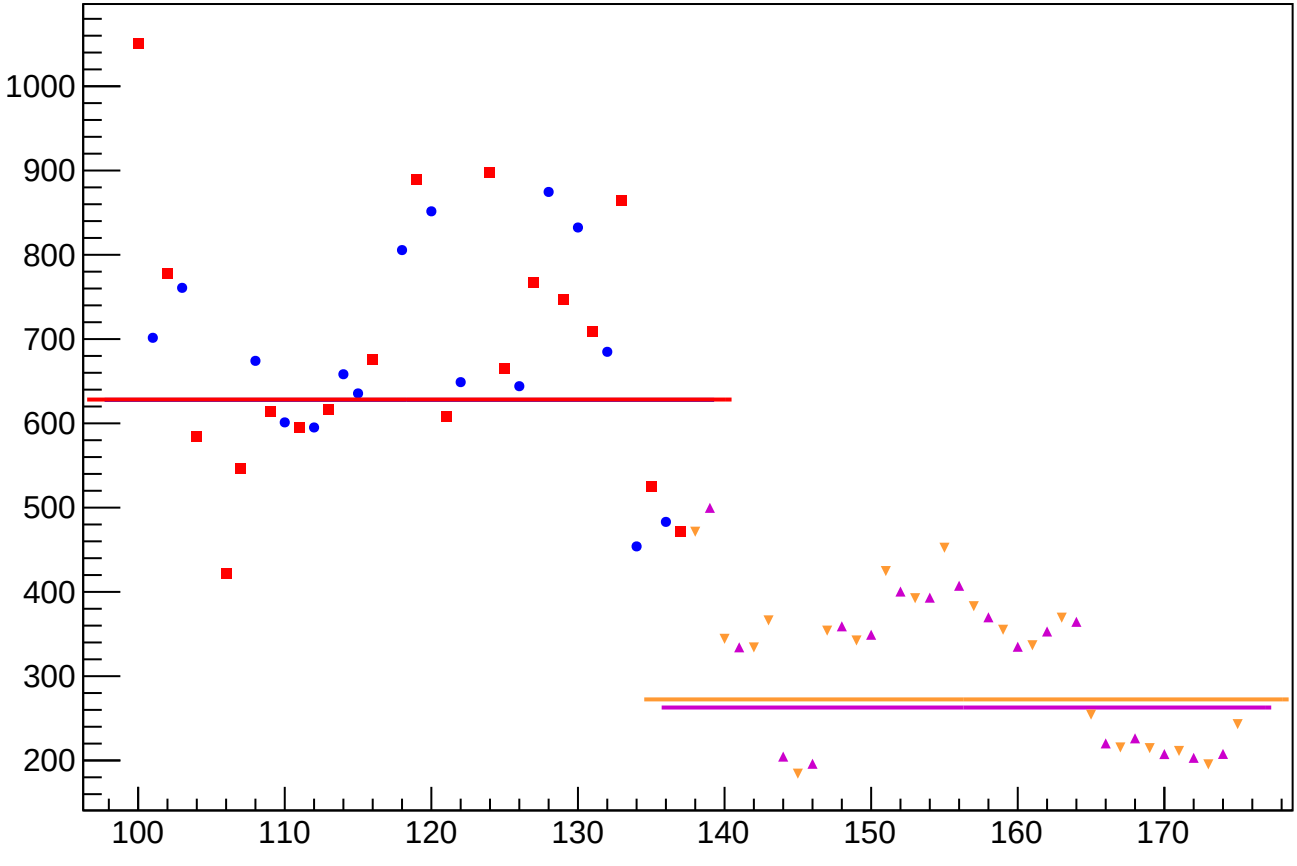
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -42.157+/-68.690 χ^2/NDF:45.8/33

Out: 246.448+/-68.713 χ^2/NDF:83.9/38

All: 102.096+/-48.580 χ^2/NDF: 138.5/72

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 272.436+/-0.051 χ^2/NDF:2669049.8/19

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 262.801+/-0.051 χ^2/NDF:2504143.9/17

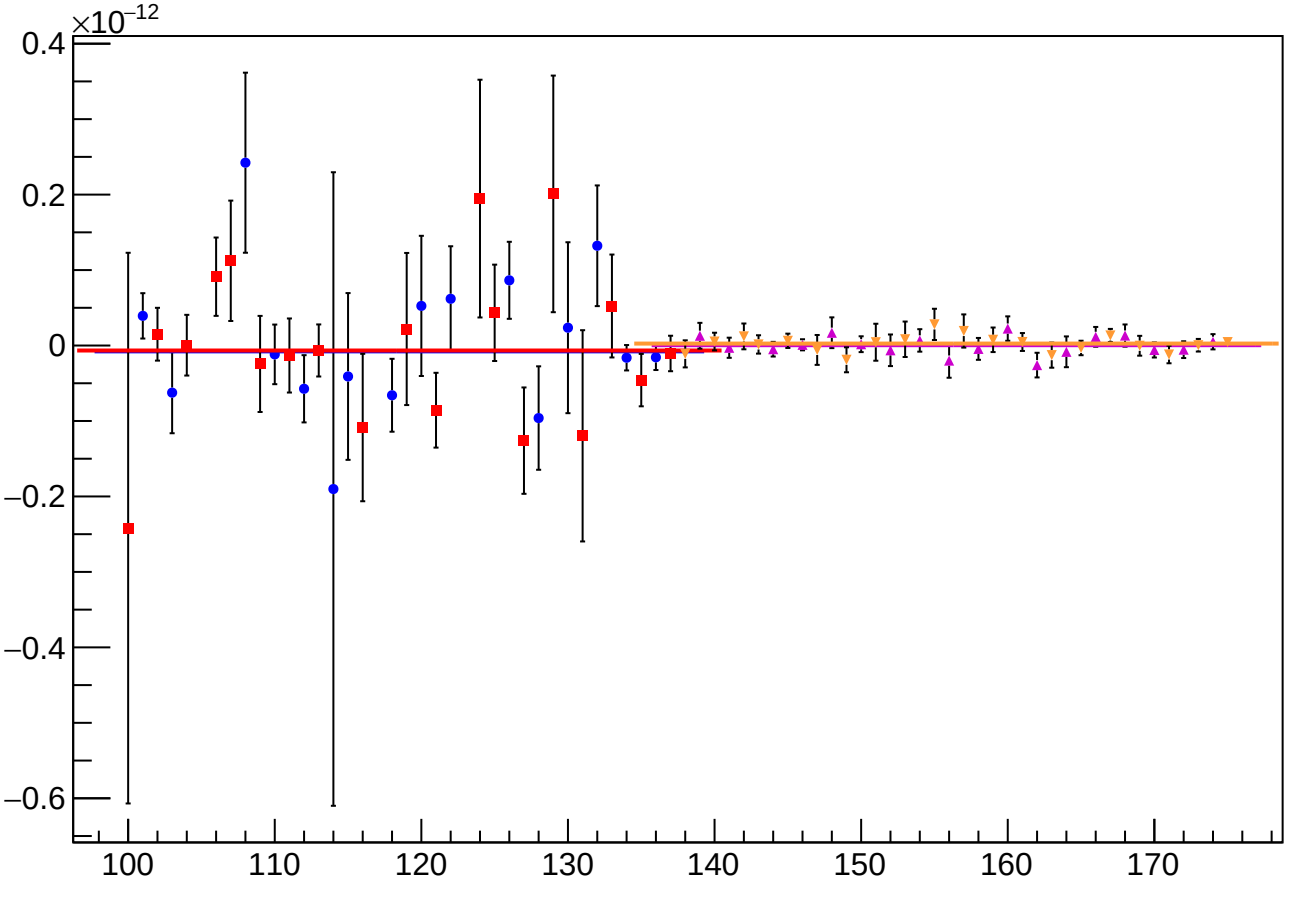
Left: 267.609+/-0.036 χ^2/NDF: 5191226.7/37

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 292.633+/-0.049 χ^2/NDF:7310330.7/33

Out: 302.593+/-0.049 χ^2/NDF:7399934.7/38

All: 297.611+/-0.034 χ^2/NDF: 14731282.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/17

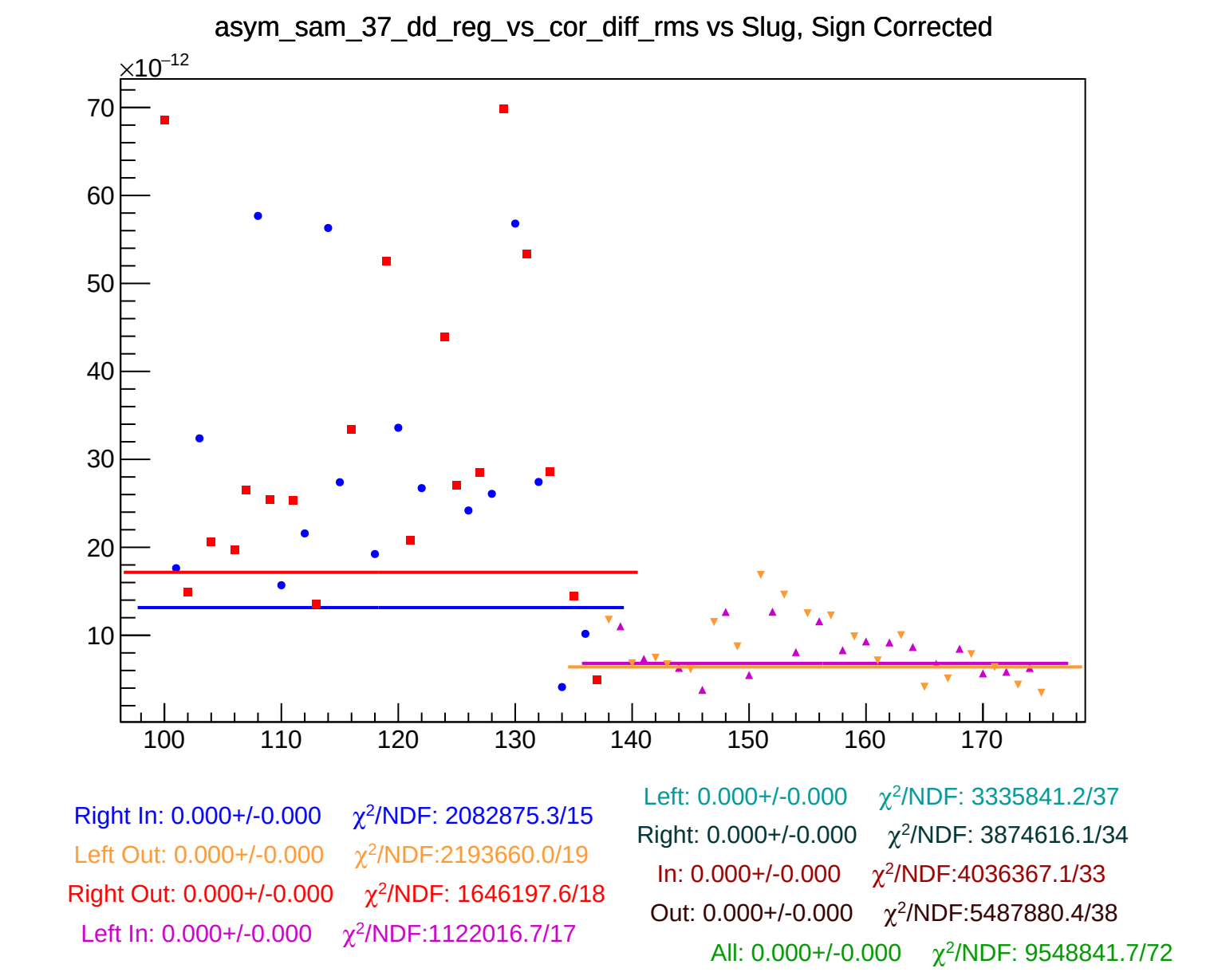
Left: 0.000+/-0.000 χ^2/NDF: 19.8/37

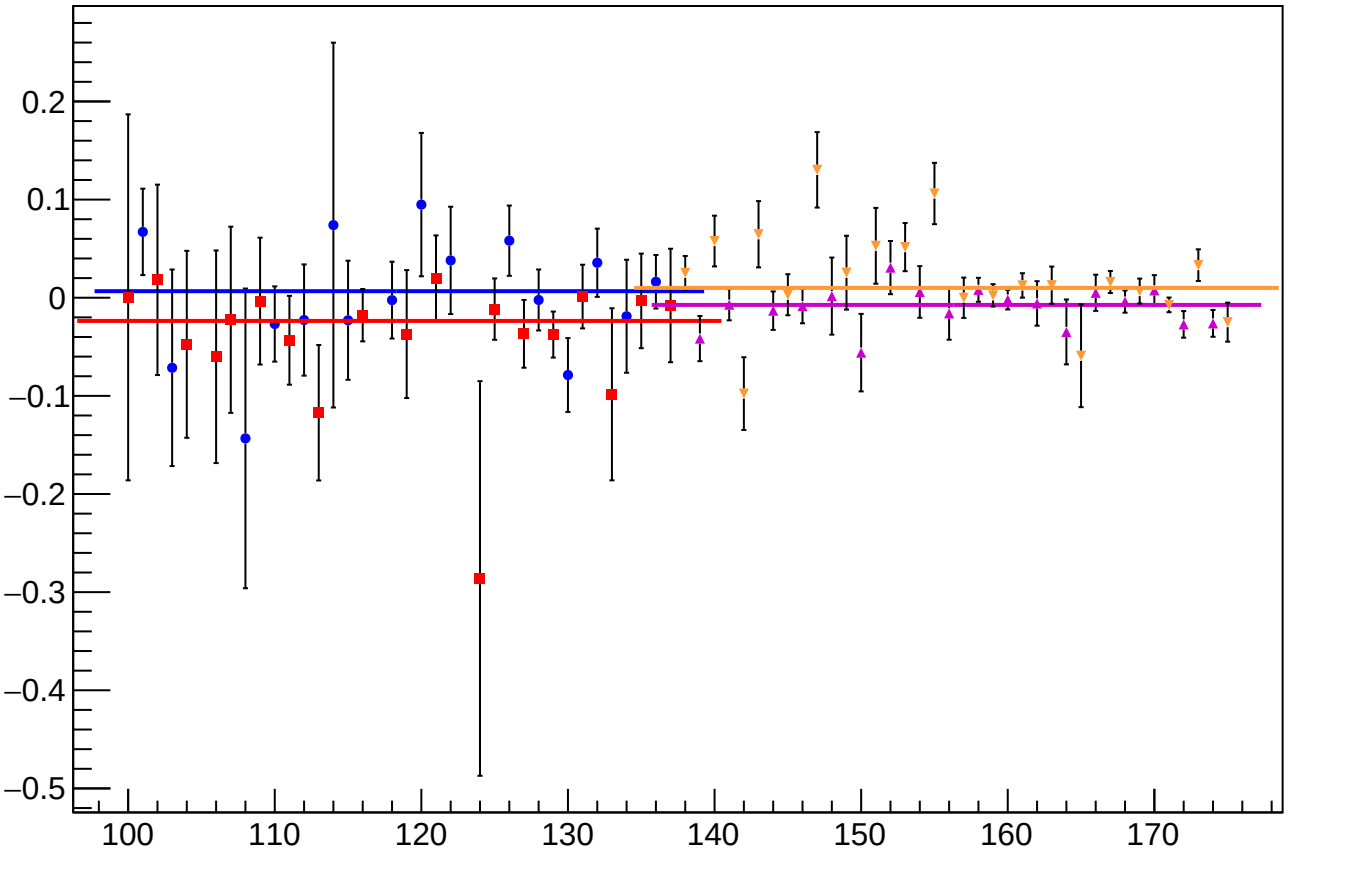
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.4/33

Out: 0.000+/-0.000 χ^2/NDF:30.3/38

All: 0.000+/-0.000 χ^2/NDF: 62.1/72


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2193660.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1122016.7/17
Left: 0.000+/-0.000 χ²/NDF: 3335841.2/37
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4036367.1/33
Out: 0.000+/-0.000 χ²/NDF:5487880.4/38
All: 0.000+/-0.000 χ²/NDF: 9548841.7/72



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 76.5/37

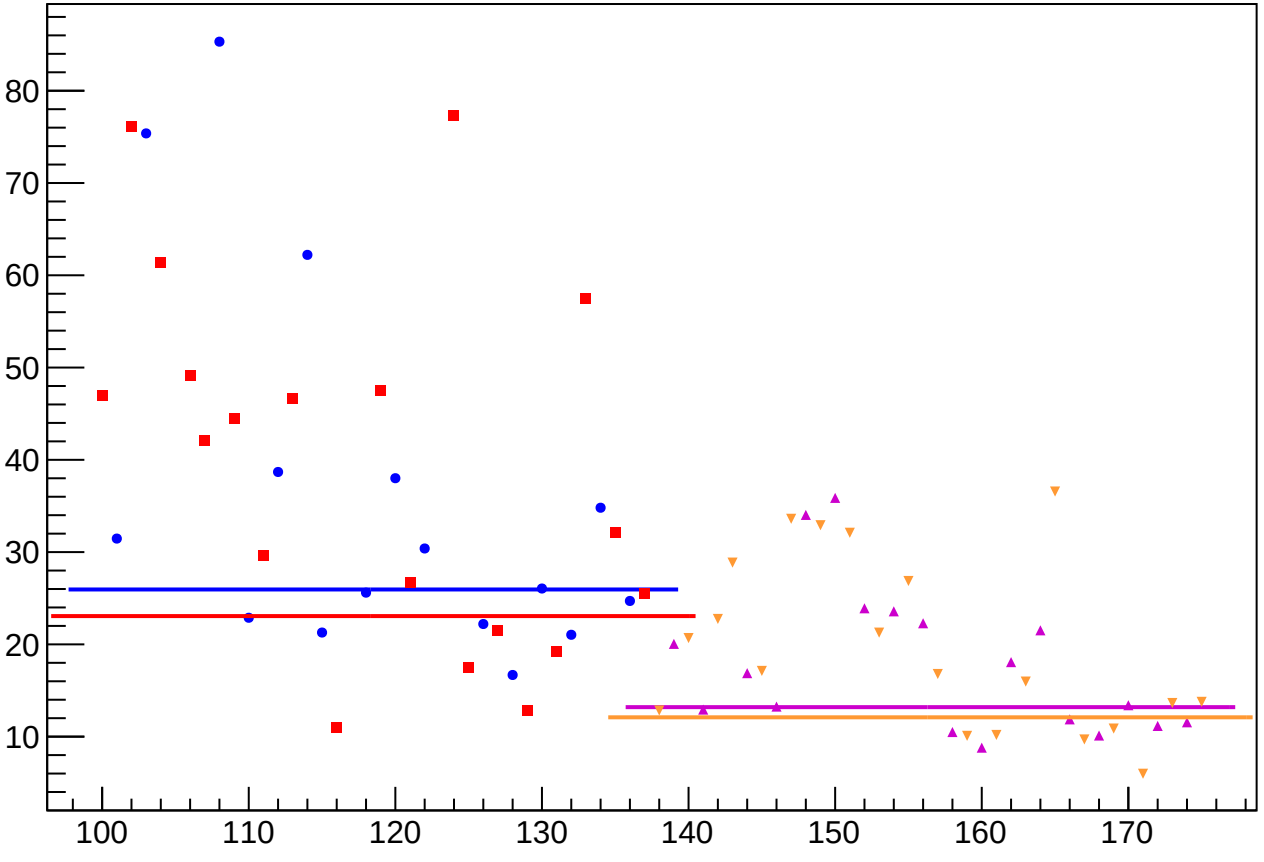
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 104.9/72

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

Left: 12.608+/-0.002 χ^2/NDF: 9054605.8/37

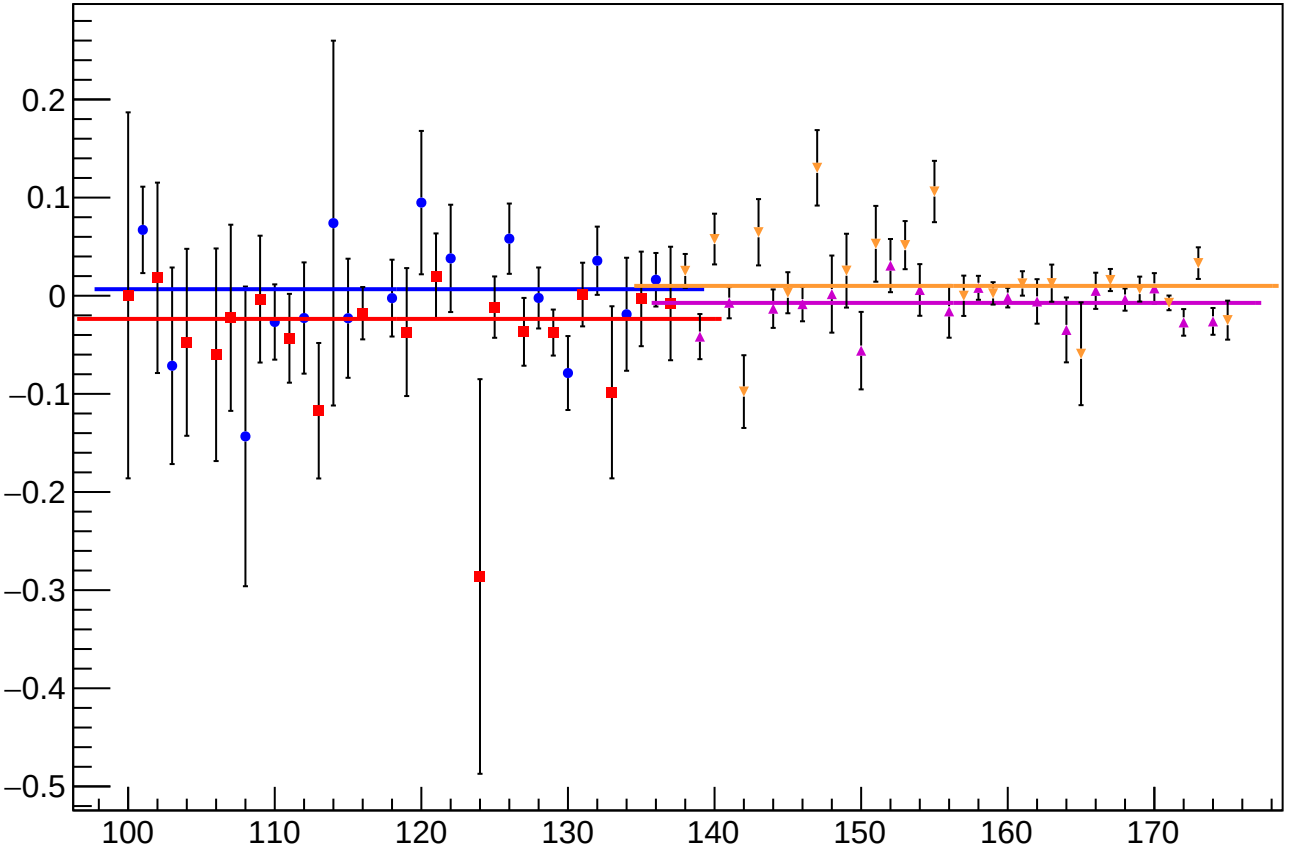
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.663+/-0.003 χ^2/NDF:6978799.0/33

Out: 13.329+/-0.002 χ^2/NDF:11010762.9/38

All: 13.952+/-0.002 χ^2/NDF: 18123412.8/72

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

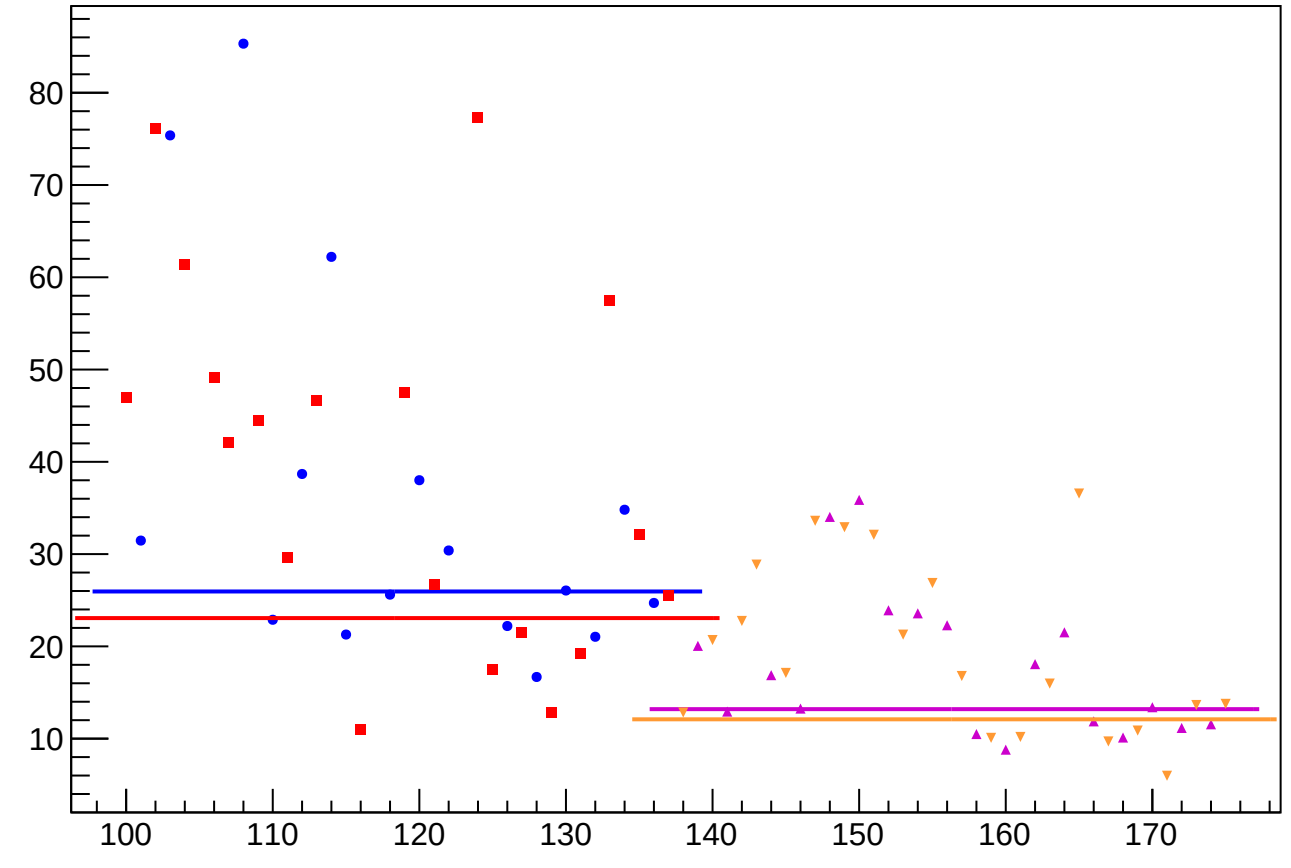
Left: 0.002+/-0.003 χ^2/NDF: 76.5/37

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 104.9/72



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

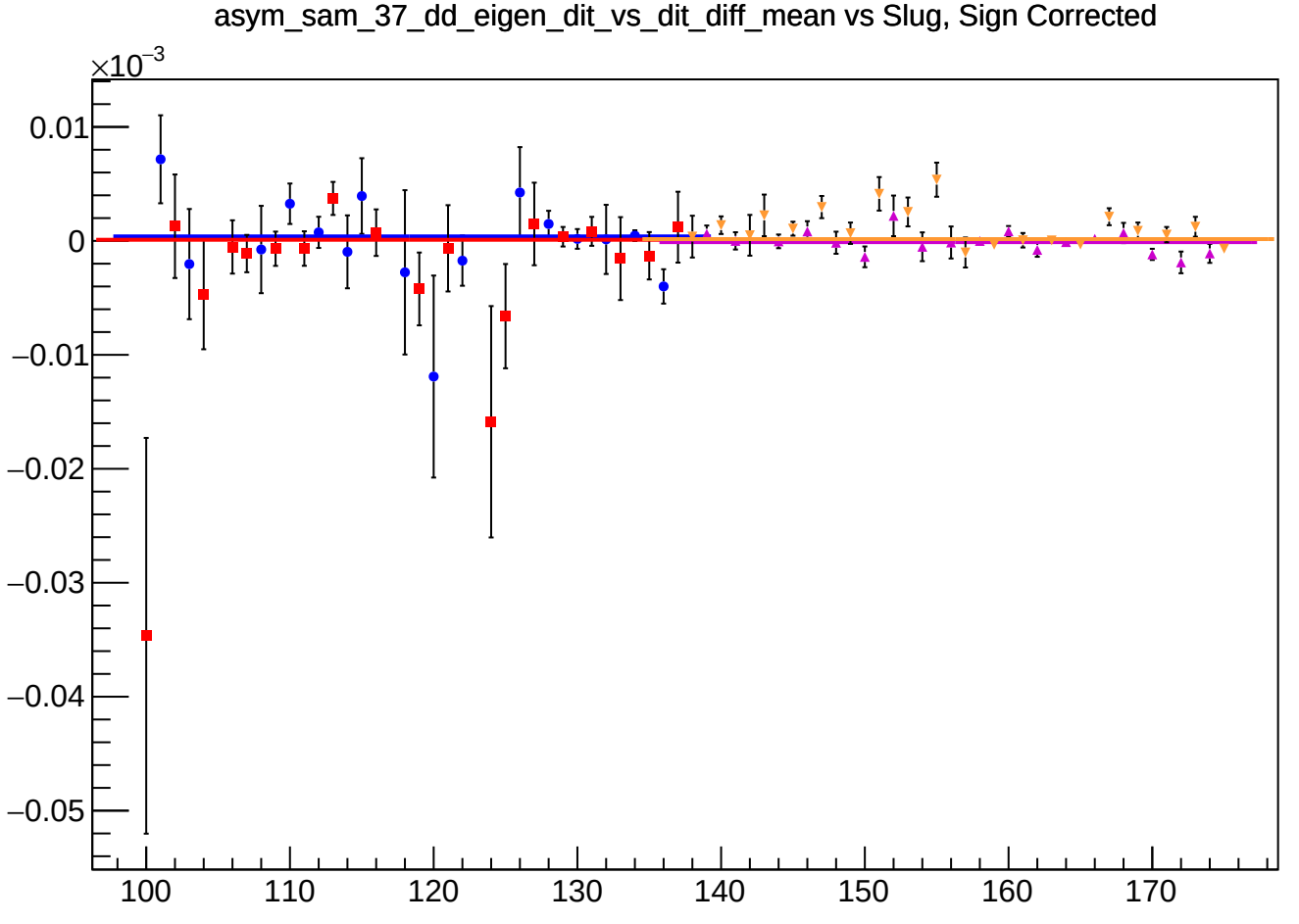
Left: 12.608+/-0.002 χ^2/NDF: 9054605.8/37

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.663+/-0.003 χ^2/NDF:6978799.0/33

Out: 13.329+/-0.002 χ^2/NDF:11010762.9/38

All: 13.952+/-0.002 χ^2/NDF: 18123412.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:58.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:22.6/17

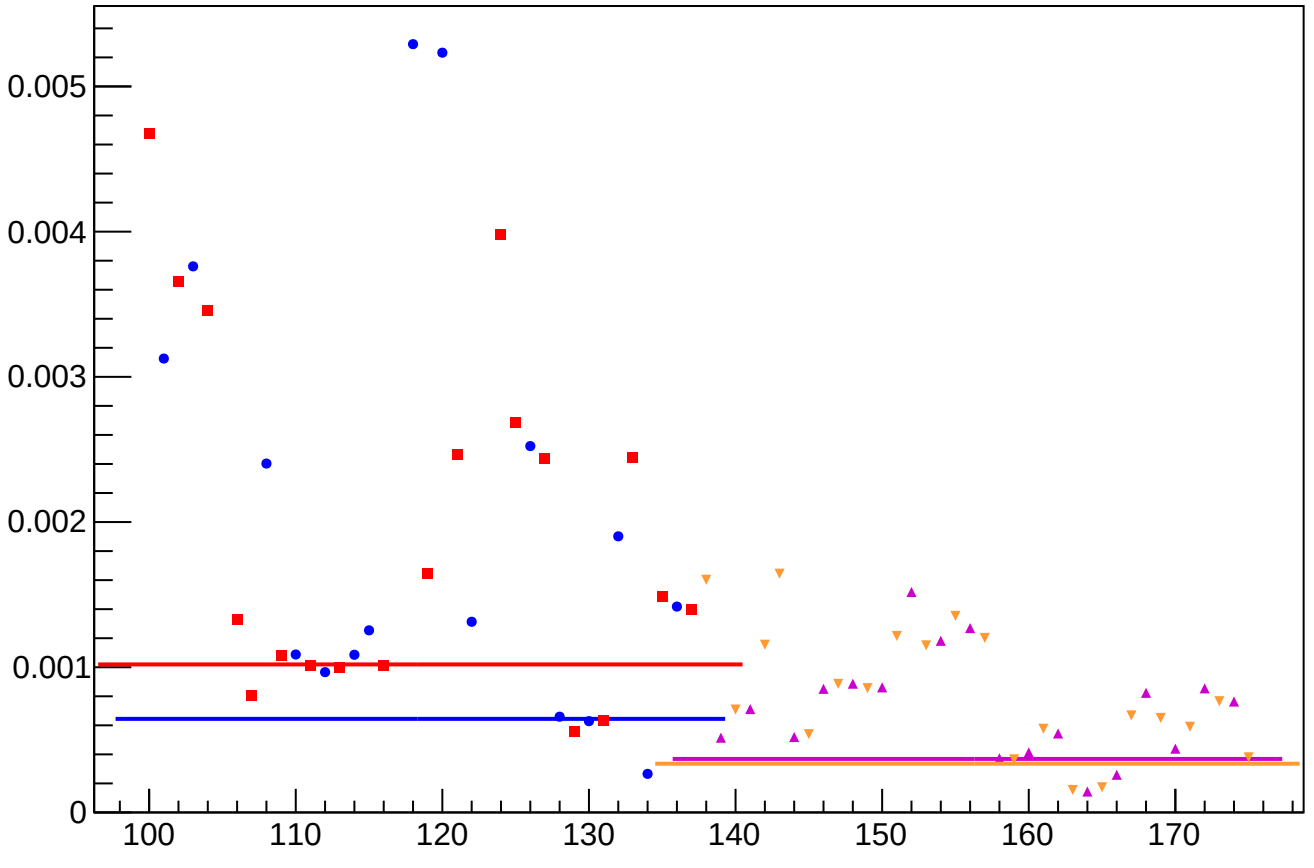
Left: 0.000+/-0.000 χ^2/NDF: 83.9/37

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:45.4/33

Out: 0.000+/-0.000 χ^2/NDF:79.1/38

All: 0.000+/-0.000 χ^2/NDF: 126.2/72



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12519790.0/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9598492.6/17

Left: 0.000+/-0.000 χ^2/NDF: 22198303.4/37

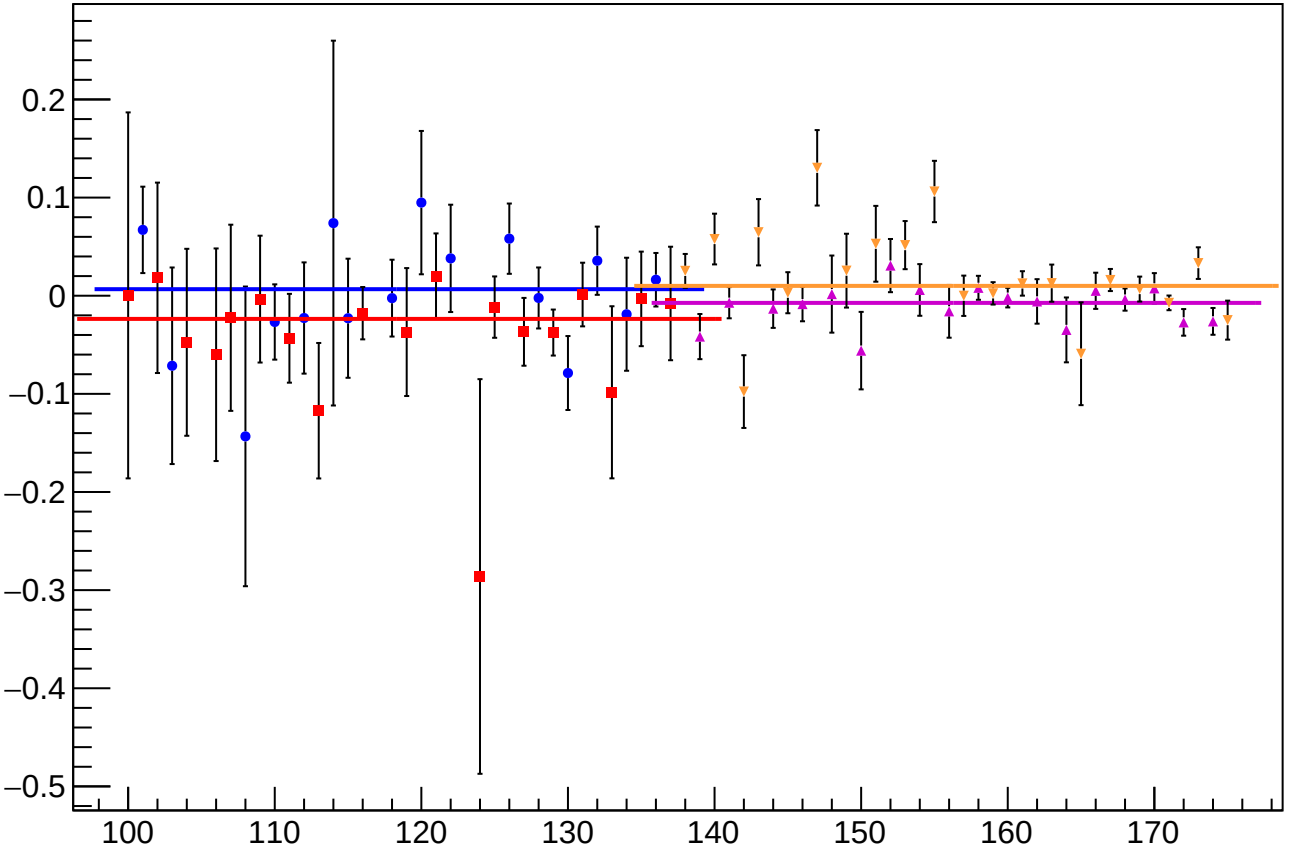
Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:17340028.2/33

Out: 0.000+/-0.000 χ^2/NDF:20532033.9/38

All: 0.000+/-0.000 χ^2/NDF: 37922372.3/72

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 76.5/37

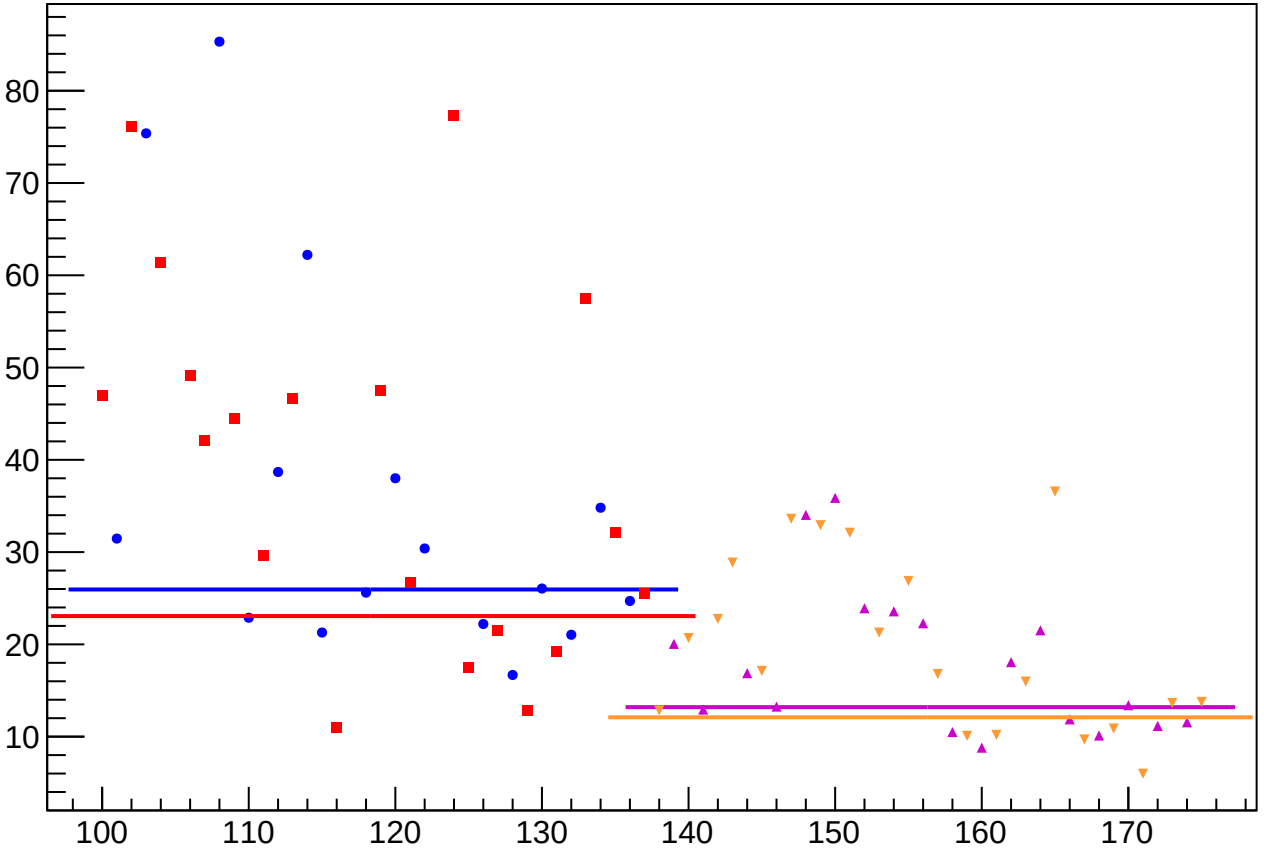
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 104.9/72

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

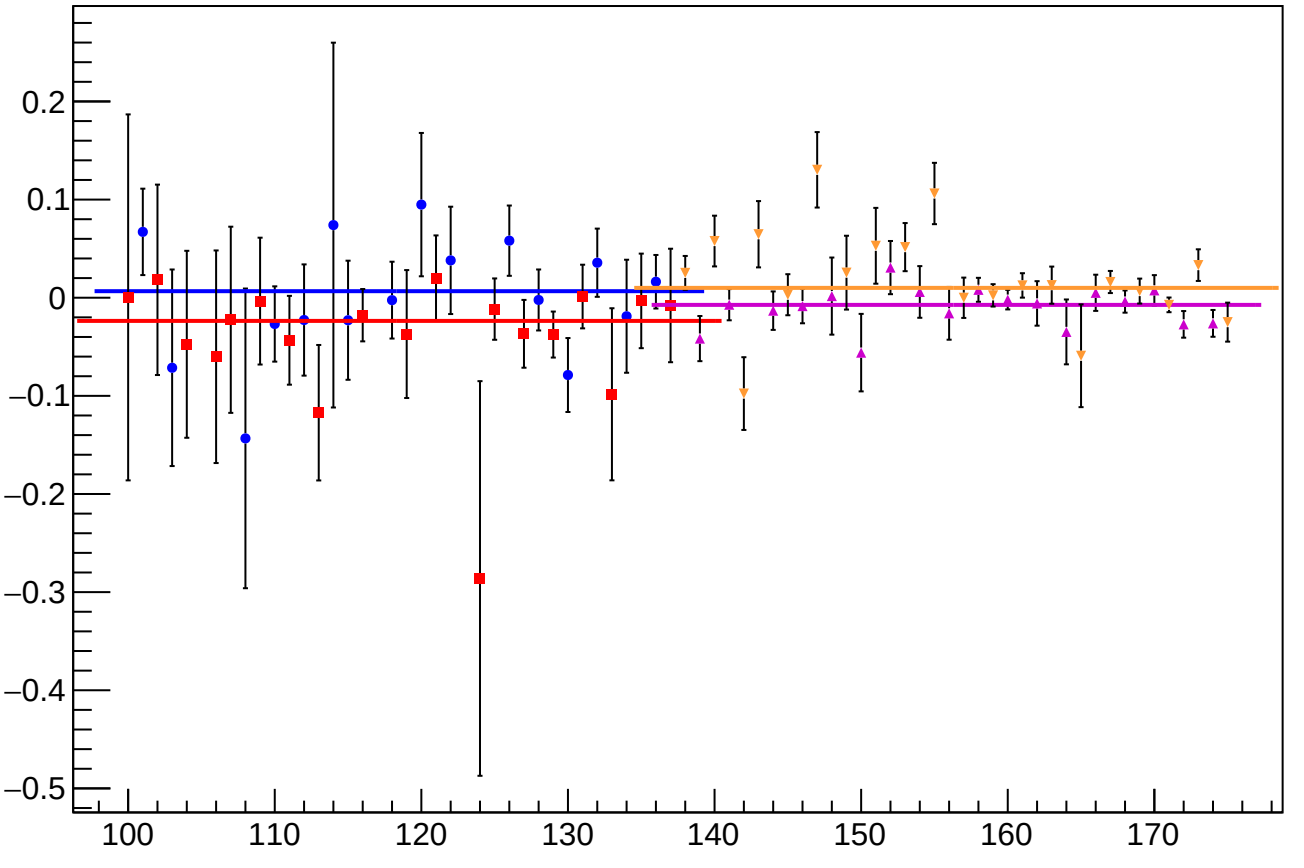
Left: 12.608+/-0.002 χ^2/NDF: 9054937.2/37

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.663+/-0.003 χ^2/NDF:6978916.6/33

Out: 13.329+/-0.002 χ^2/NDF:11010884.9/38

All: 13.952+/-0.002 χ^2/NDF: 18123650.7/72



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 76.5/37

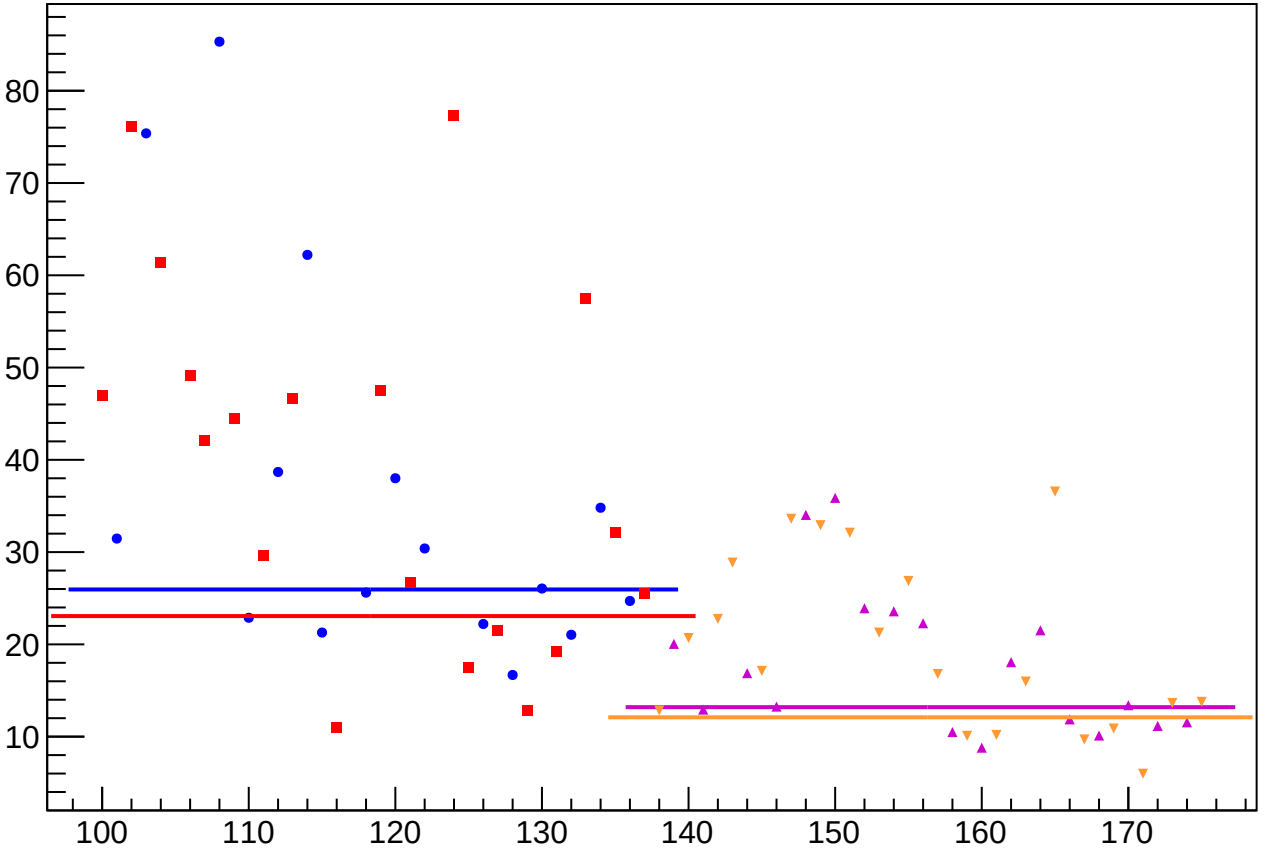
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 104.9/72

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

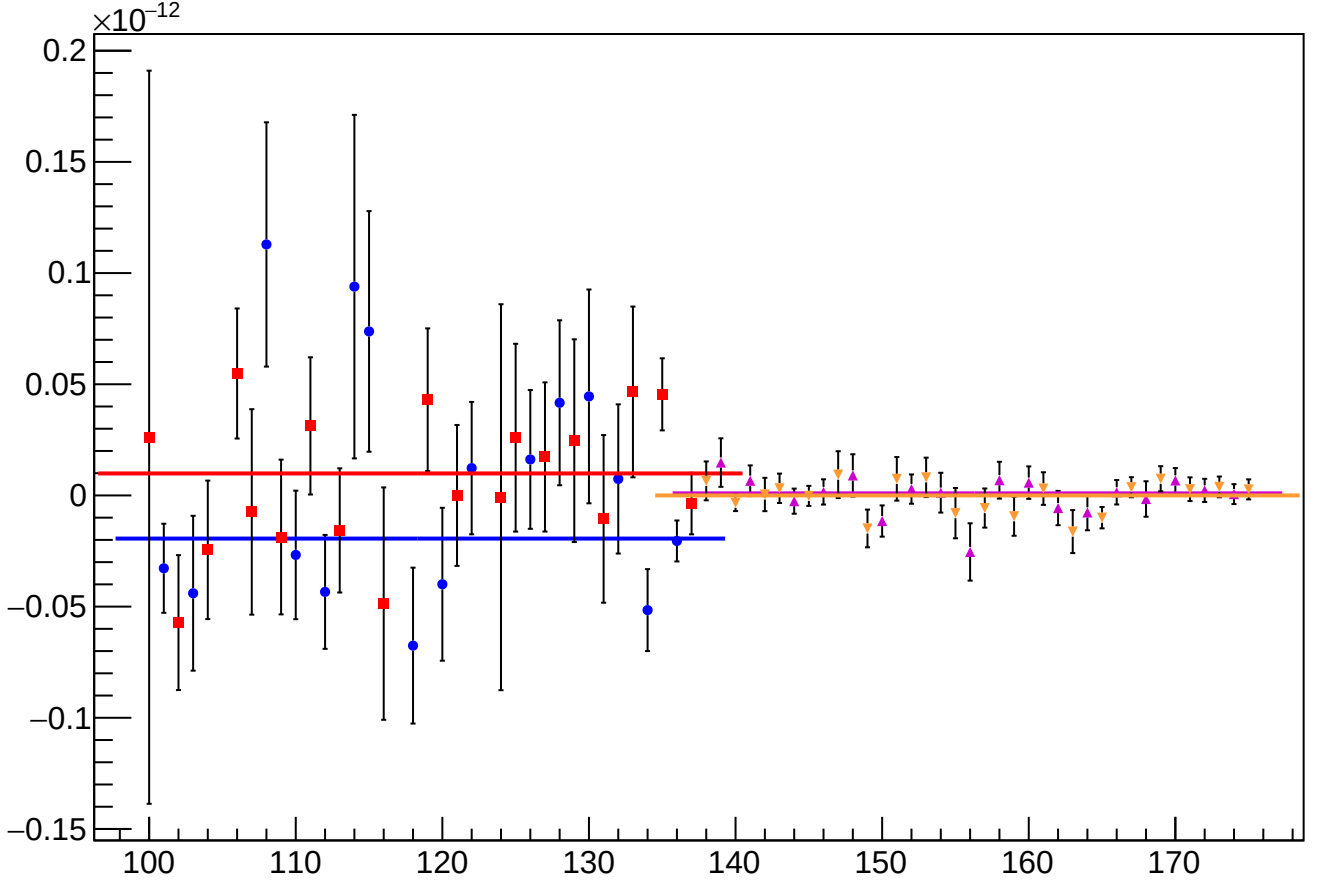
Left: 12.608+/-0.002 χ^2/NDF: 9054937.2/37

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.663+/-0.003 χ^2/NDF:6978916.6/33

Out: 13.329+/-0.002 χ^2/NDF:11010884.9/38

All: 13.952+/-0.002 χ^2/NDF: 18123650.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/17

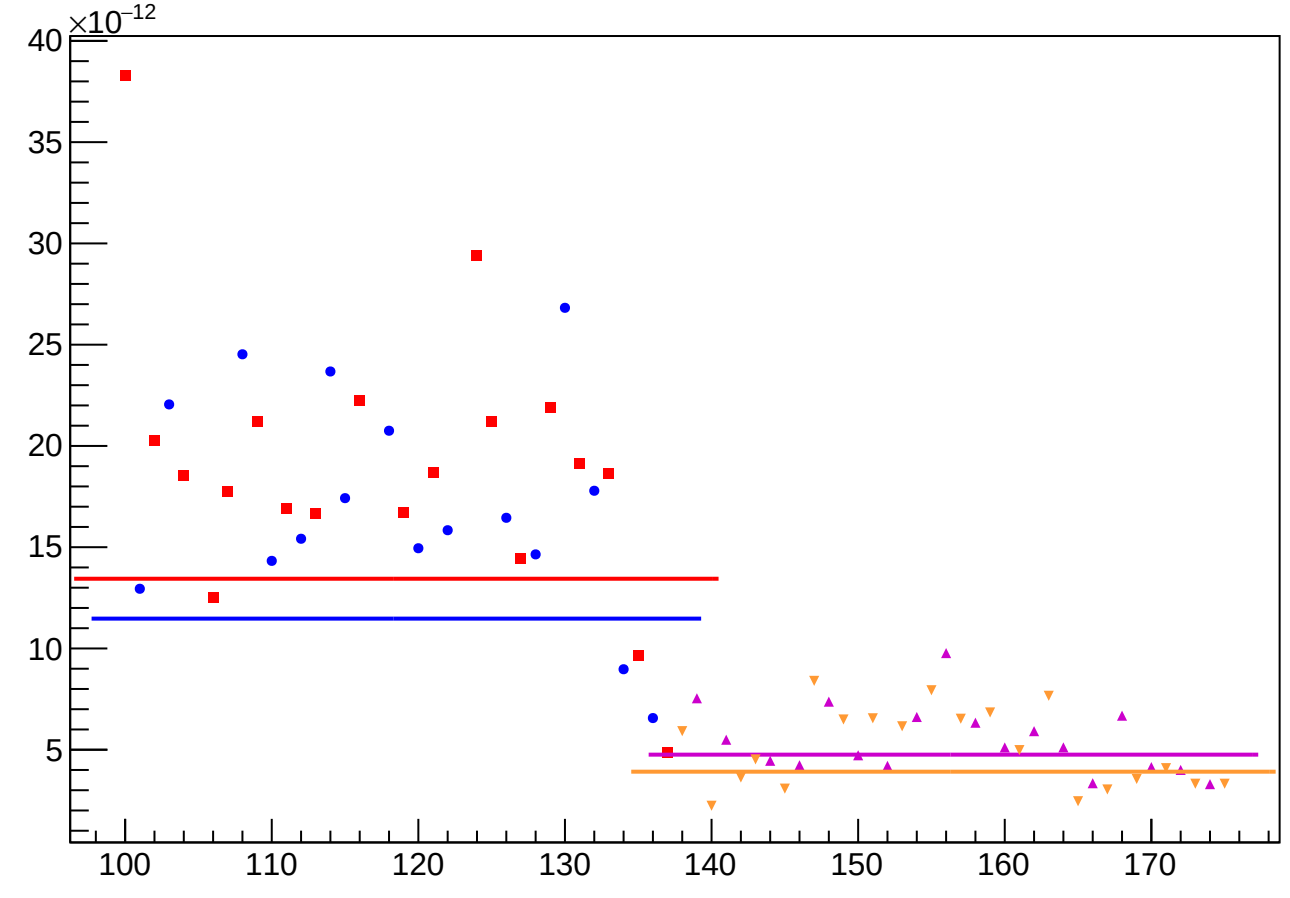
Left: 0.000+/-0.000 χ^2/NDF: 35.1/37

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:51.2/33

Out: 0.000+/-0.000 χ^2/NDF:42.4/38

All: 0.000+/-0.000 χ^2/NDF: 93.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2751911.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1383062.7/17

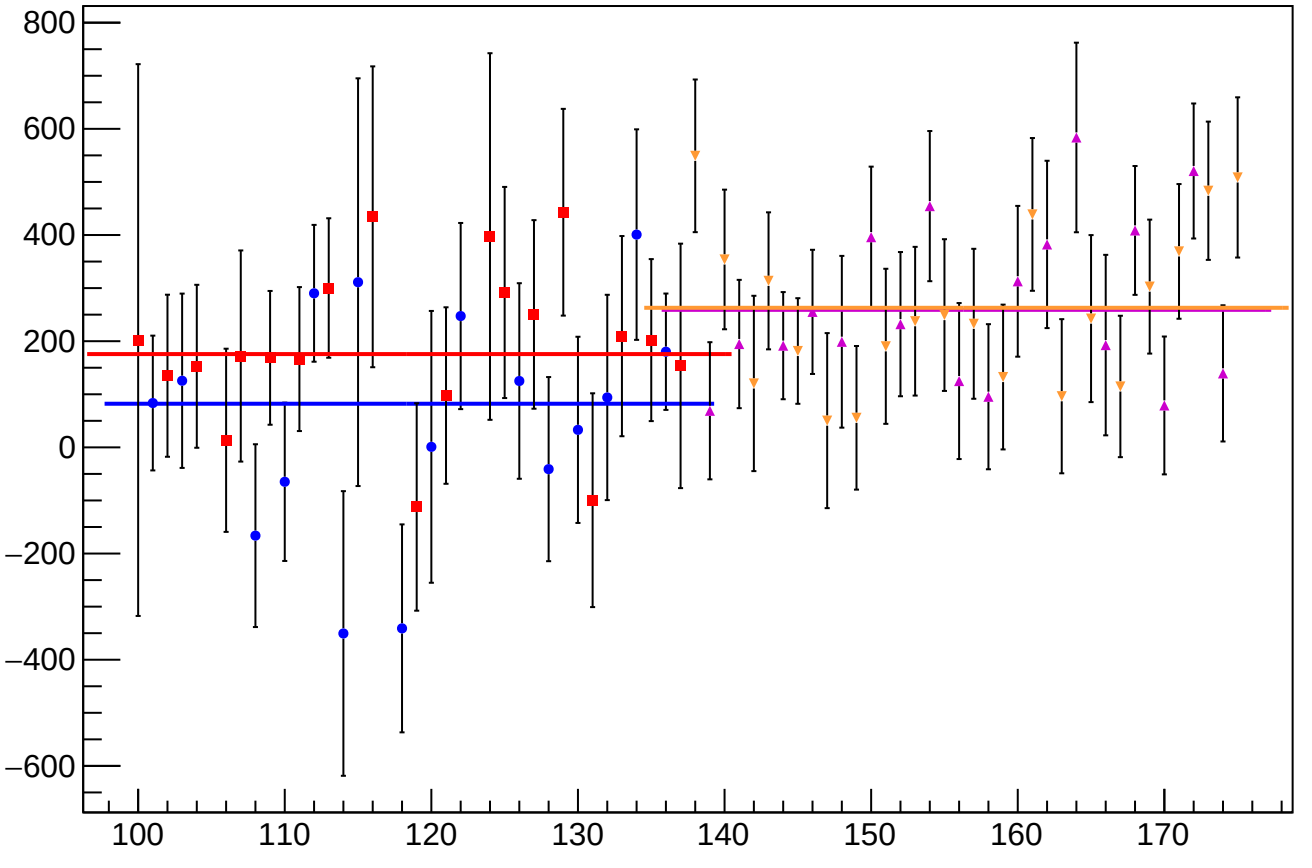
Left: 0.000+/-0.000 χ^2/NDF: 4458616.8/37

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5301608.4/33

Out: 0.000+/-0.000 χ^2/NDF:8222351.2/38

All: 0.000+/-0.000 χ^2/NDF: 13919336.1/72



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.905+/-30.620 χ^2/NDF:21.7/19

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 259.041+/-31.555 χ^2/NDF:21.1/17

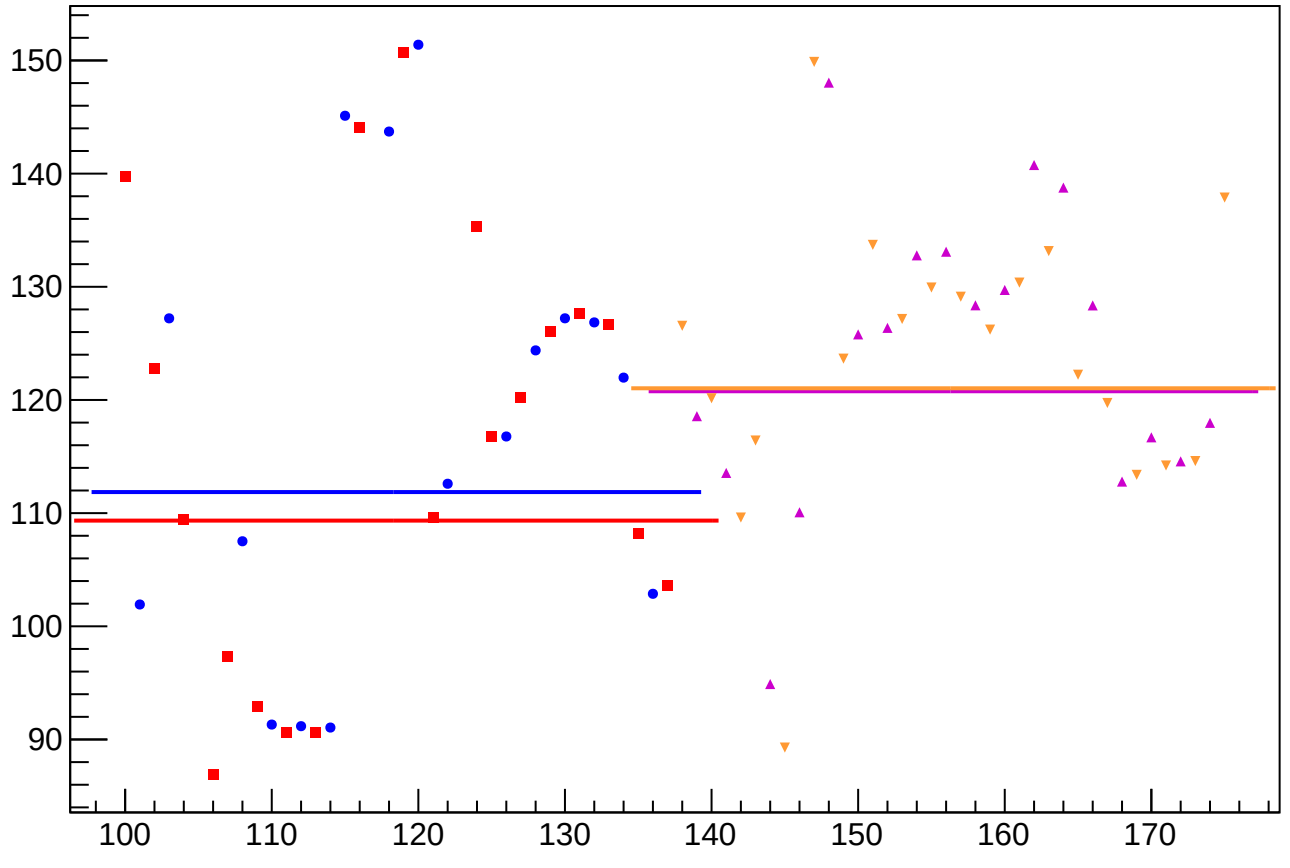
Left: 261.031+/-21.975 χ^2/NDF: 42.7/37

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 195.493+/-25.257 χ^2/NDF:50.7/33

Out: 231.370+/-24.463 χ^2/NDF:34.4/38

All: 214.005+/-17.572 χ^2/NDF: 86.2/72



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.8/19

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

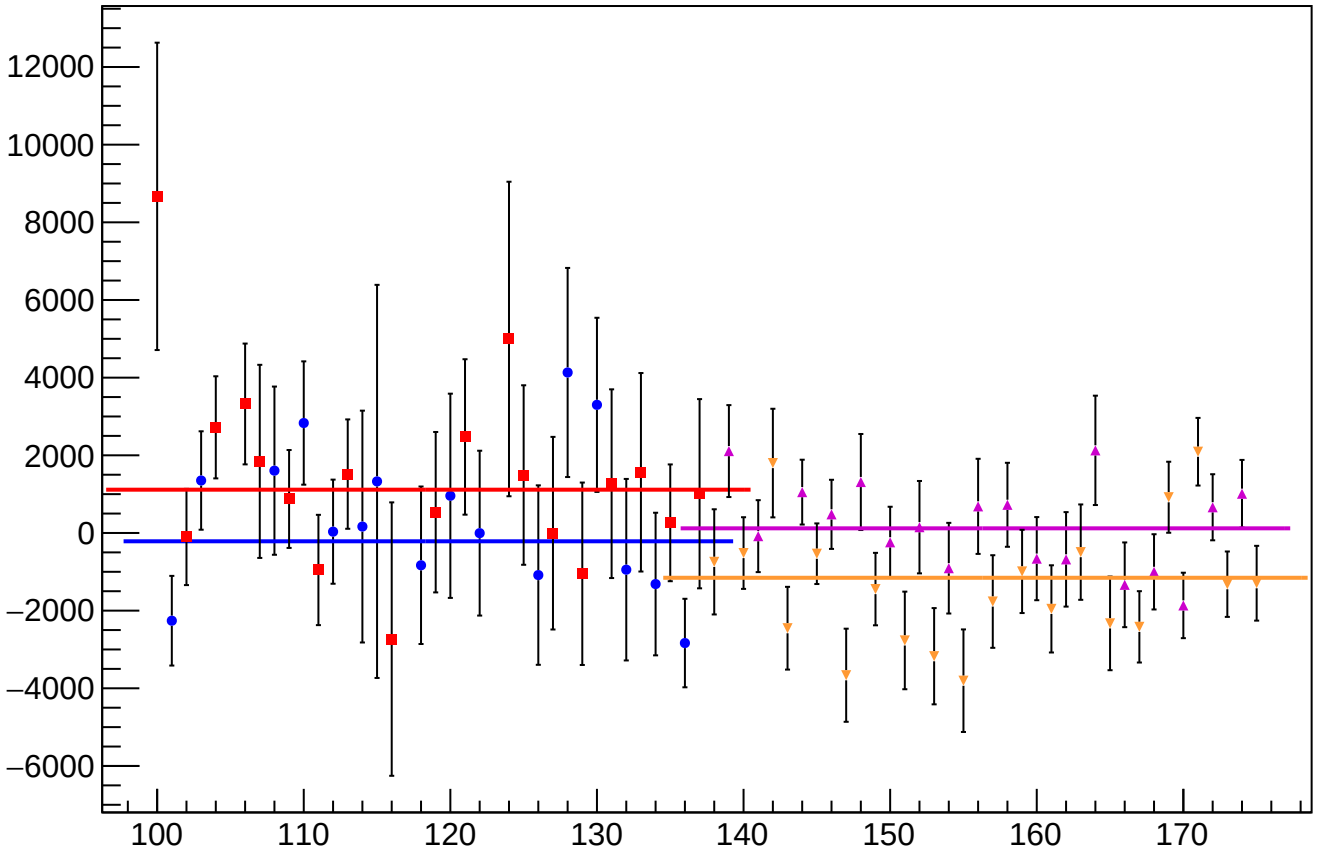
Left: 120.905+/-0.016 χ^2/NDF: 717051.4/37

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.569+/-0.018 χ^2/NDF:697682.9/33

Out: 116.803+/-0.017 χ^2/NDF:855308.9/38

All: 117.174+/-0.012 χ^2/NDF: 1553941.7/72



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1153.770+/-233.383 χ^2/NDF:43.0/19

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 119.456+/-239.365 χ^2/NDF:19.8/17

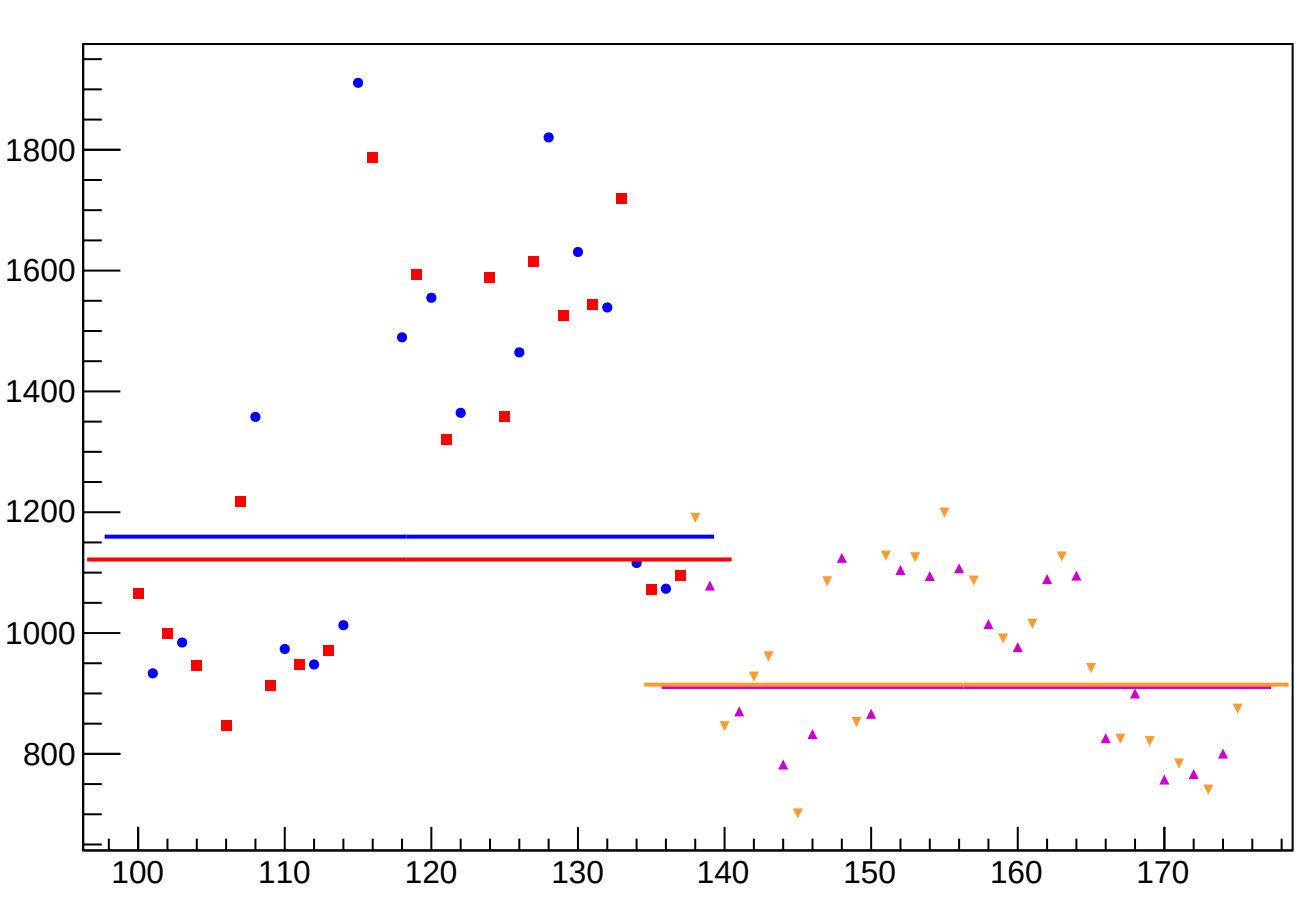
Left: -533.267+/-167.102 χ^2/NDF: 77.3/37

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 44.312+/-210.693 χ^2/NDF:40.7/33

Out: -624.454+/-204.348 χ^2/NDF:79.5/38

All: -300.292+/-146.688 χ^2/NDF: 125.4/72



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.6/19

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 910.626+/-0.169 χ^2/NDF:596434.7/17

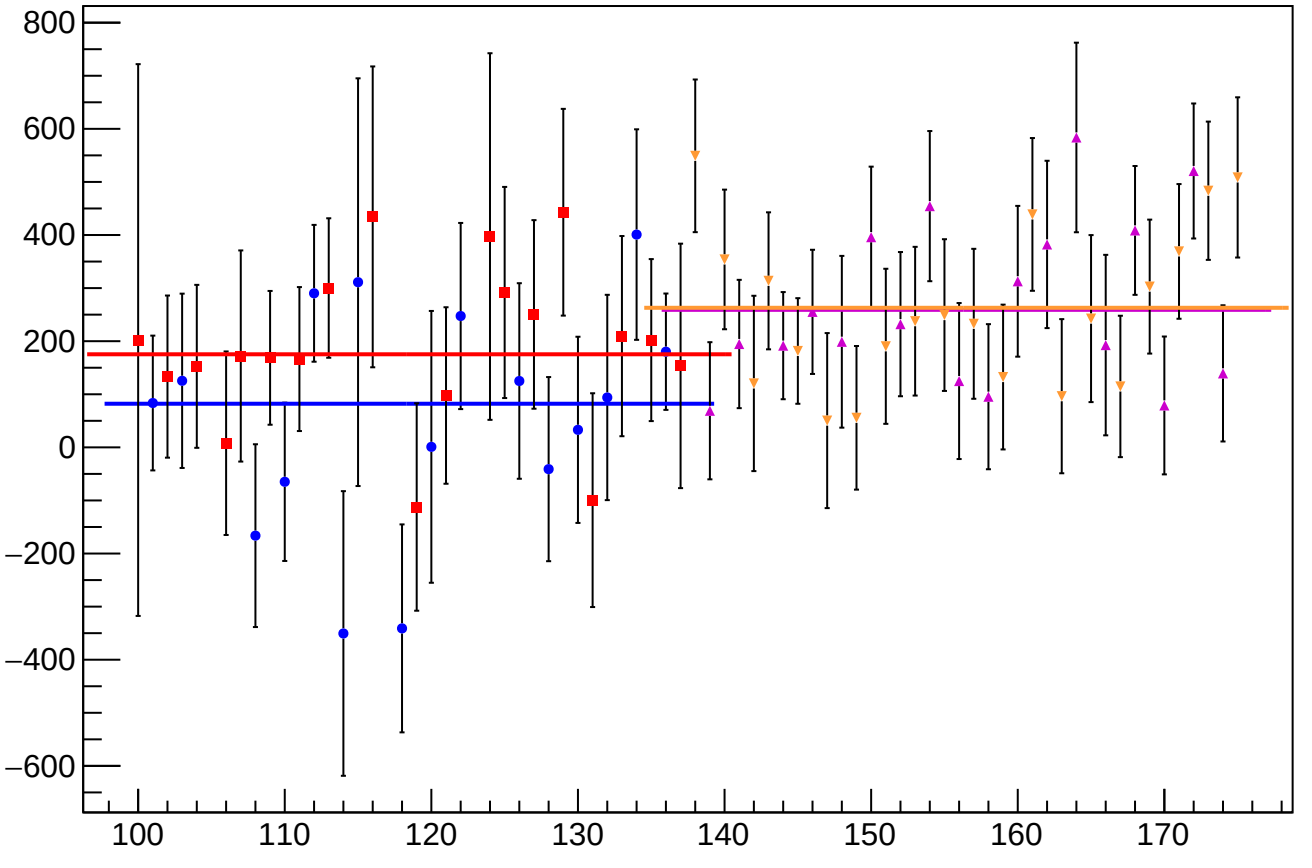
Left: 912.670+/-0.118 χ^2/NDF: 1404389.8/37

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 966.692+/-0.149 χ^2/NDF:1767330.3/33

Out: 962.946+/-0.144 χ^2/NDF:1957563.5/38

All: 964.762+/-0.104 χ^2/NDF: 3725219.8/72



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 259.042+/-31.555 χ^2/NDF:21.1/17

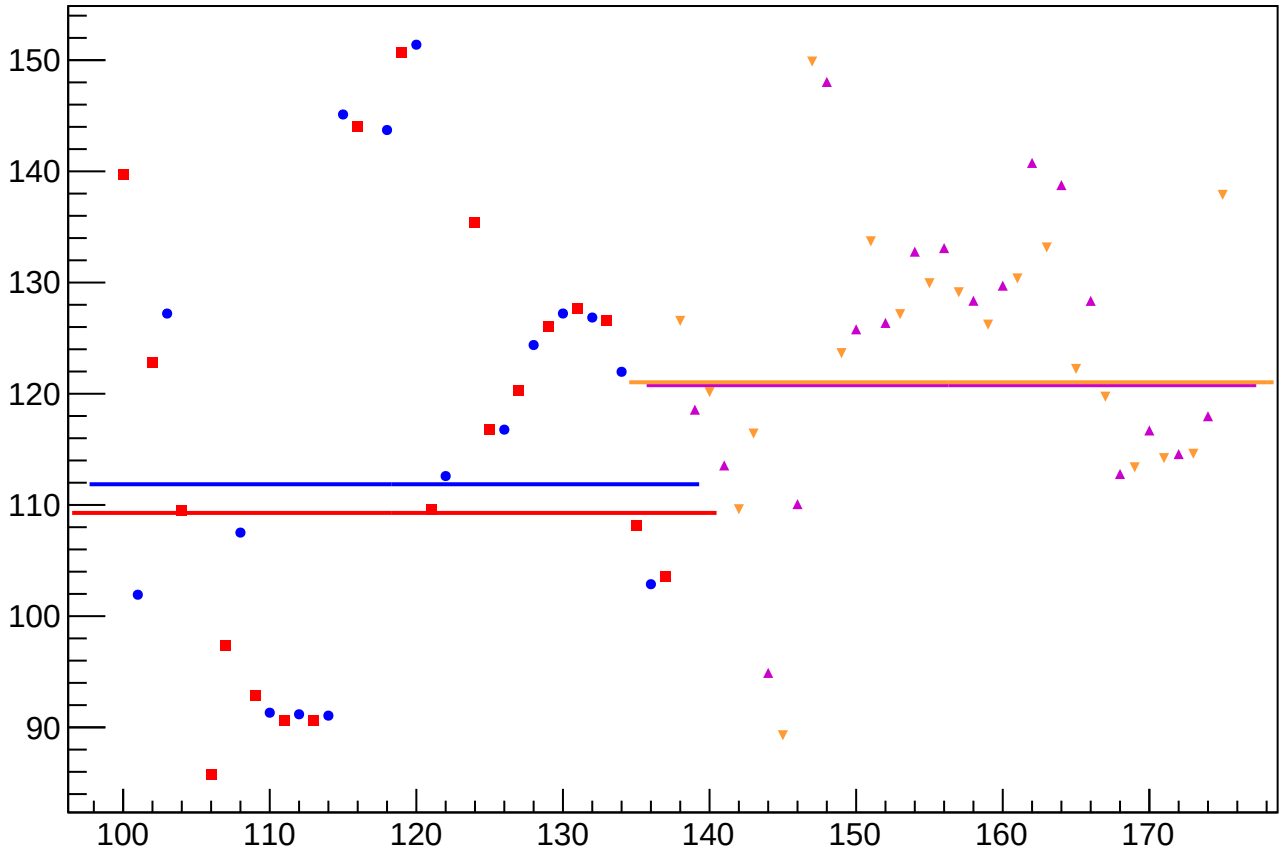
Left: 261.033+/-21.975 χ^2/NDF: 42.7/37

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 195.489+/-25.257 χ^2/NDF:50.7/33

Out: 231.235+/-24.464 χ^2/NDF:34.5/38

All: 213.932+/-17.572 χ^2/NDF: 86.3/72



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

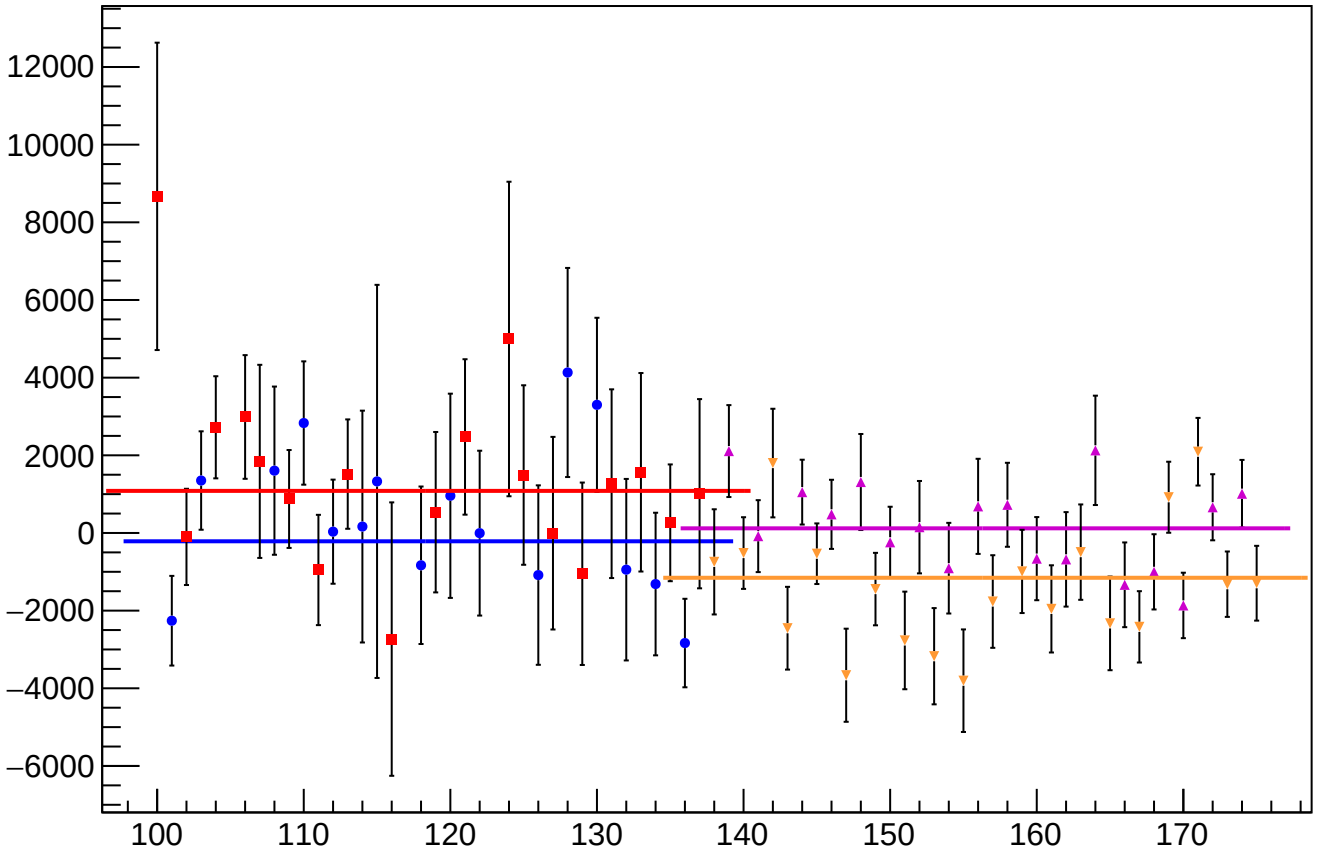
Left: 120.905+/-0.016 χ^2/NDF: 717051.4/37

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.569+/-0.018 χ^2/NDF:697683.6/33

Out: 116.783+/-0.017 χ^2/NDF:859797.3/38

All: 117.164+/-0.012 χ^2/NDF: 1558479.9/72



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 119.461+/-239.366 χ^2/NDF:19.8/17

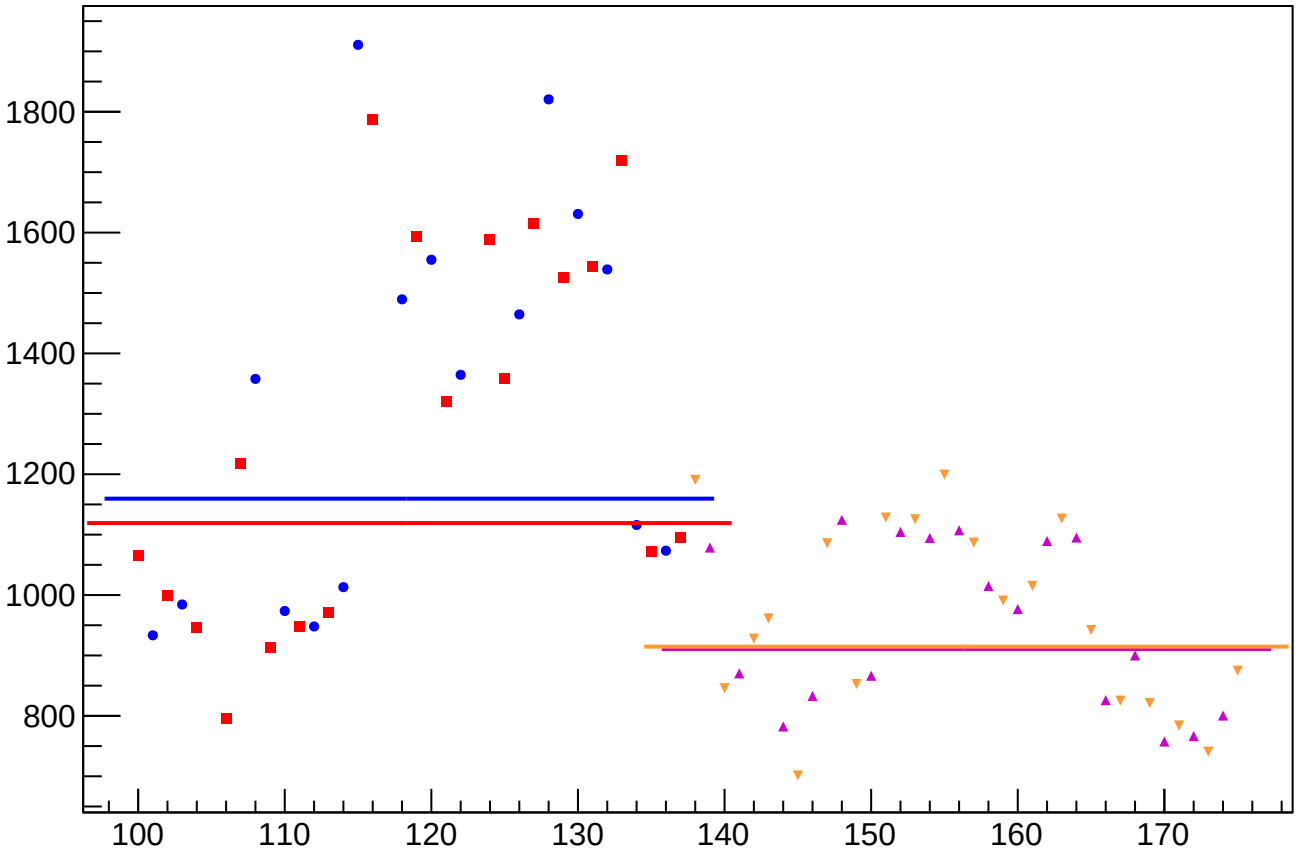
Left: -533.264+/-167.102 χ^2/NDF: 77.3/37

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 44.297+/-210.693 χ^2/NDF:40.7/33

Out: -633.019+/-204.431 χ^2/NDF:78.3/38

All: -304.576+/-146.719 χ^2/NDF: 124.2/72



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

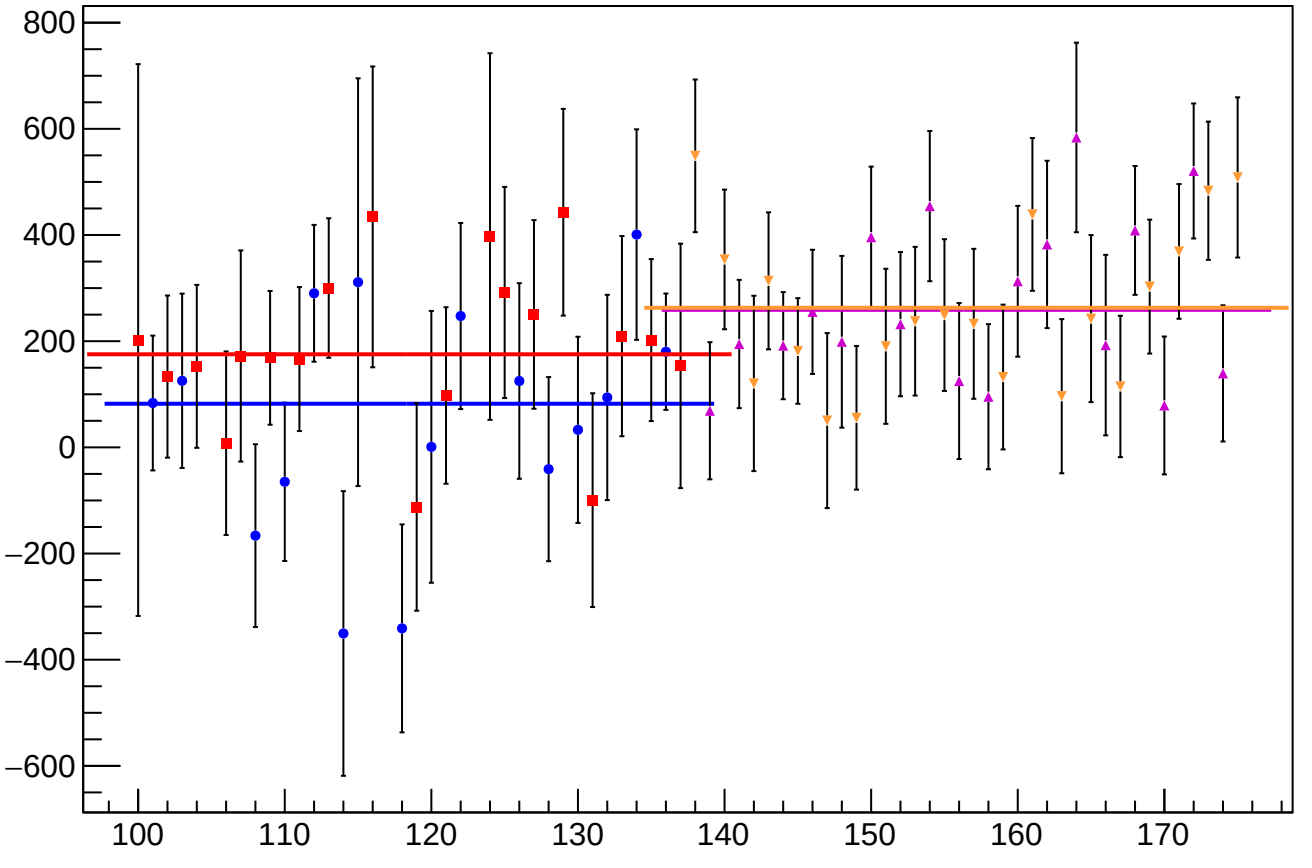
Left: 912.670+/-0.118 χ^2/NDF: 1404390.1/37

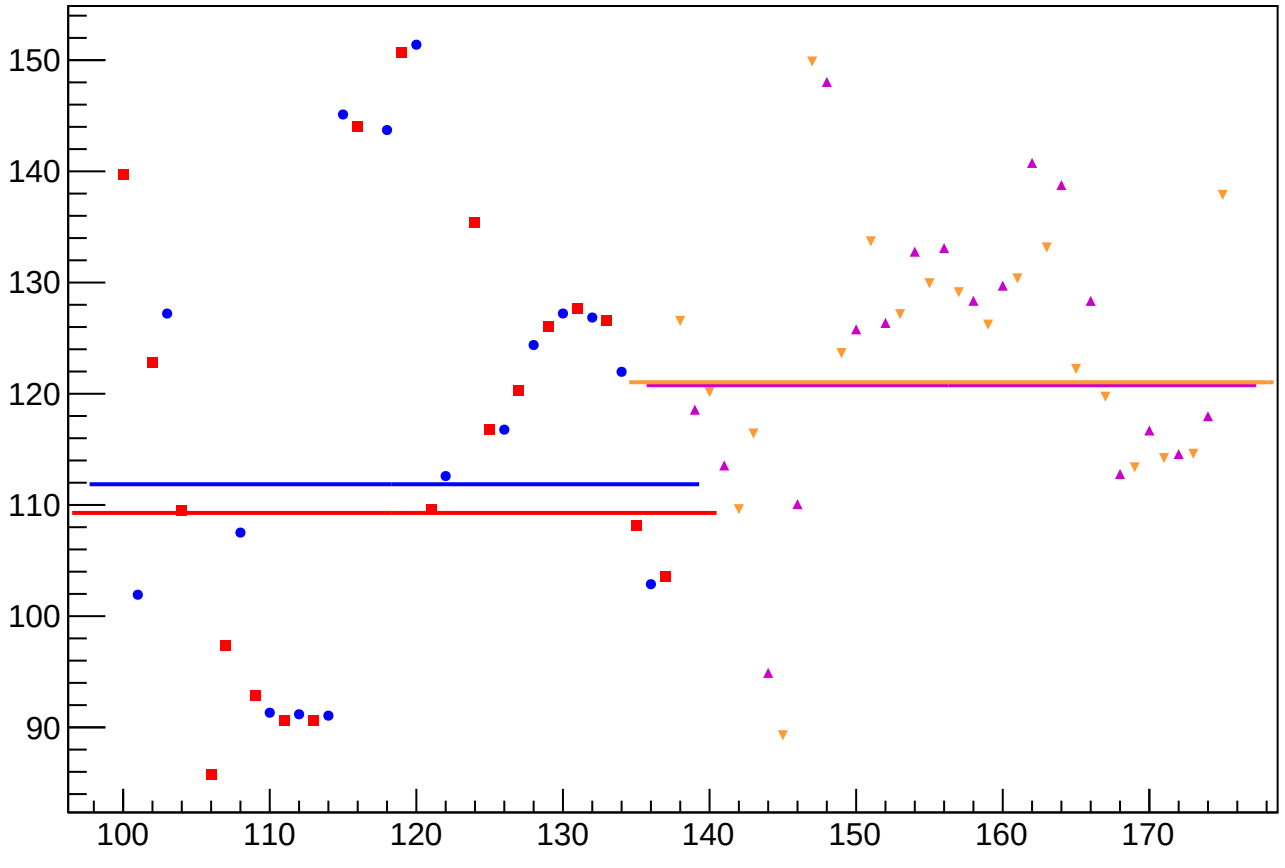
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 966.694+/-0.149 χ^2/NDF:1767332.0/33

Out: 962.213+/-0.145 χ^2/NDF:1968333.5/38

All: 964.386+/-0.104 χ^2/NDF: 3736131.5/72


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 262.907+/-30.620 χ²/NDF:21.6/19
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 259.042+/-31.555 χ²/NDF:21.1/17
Left: 261.033+/-21.975 χ²/NDF: 42.7/37
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 195.489+/-25.257 χ²/NDF:50.7/33
Out: 231.235+/-24.464 χ²/NDF:34.5/38
All: 213.932+/-17.572 χ²/NDF: 86.3/72



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

Left: 120.905+/-0.016 χ^2/NDF: 717051.4/37

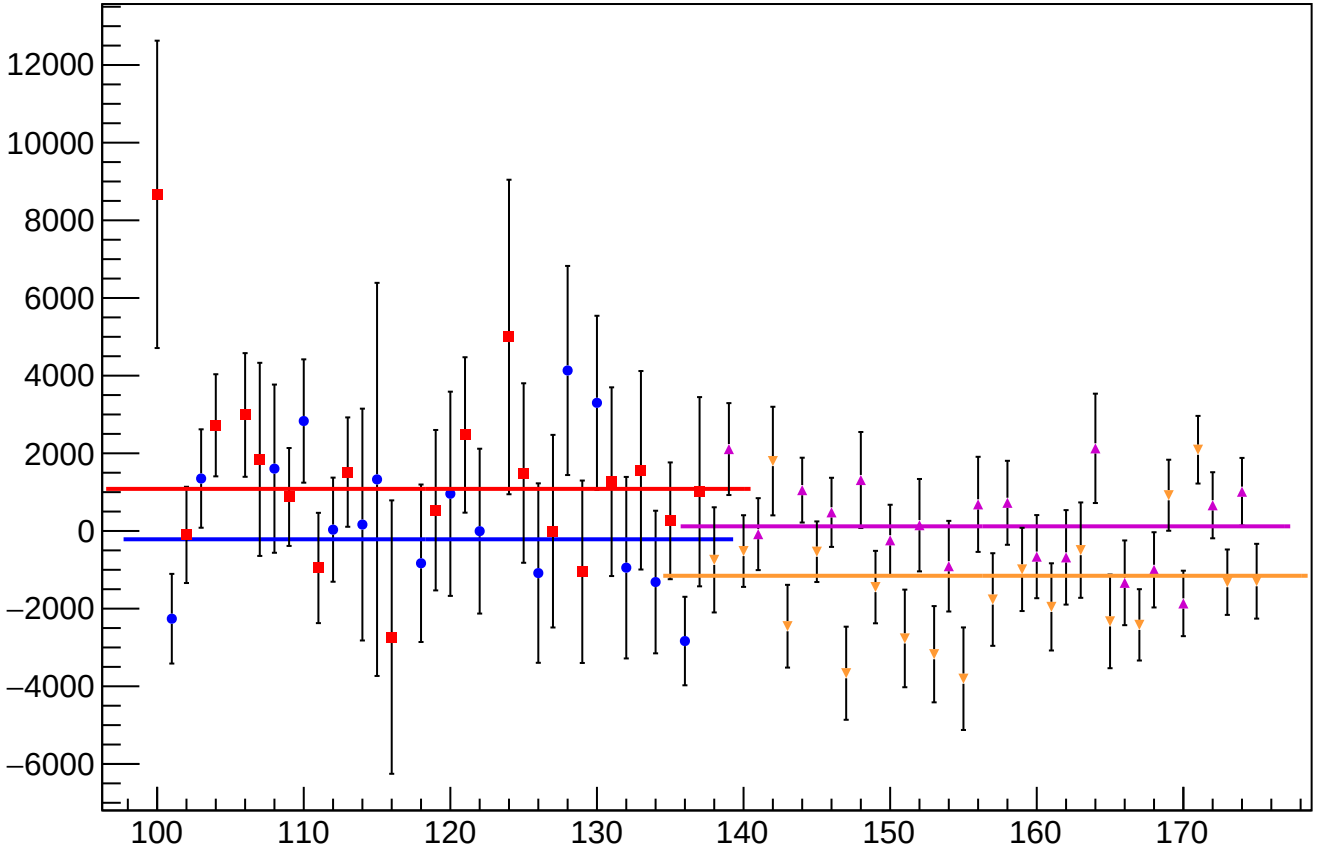
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.569+/-0.018 χ^2/NDF:697683.6/33

Out: 116.783+/-0.017 χ^2/NDF:859797.3/38

All: 117.164+/-0.012 χ^2/NDF: 1558479.9/72

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 119.461+/-239.366 χ^2/NDF:19.8/17

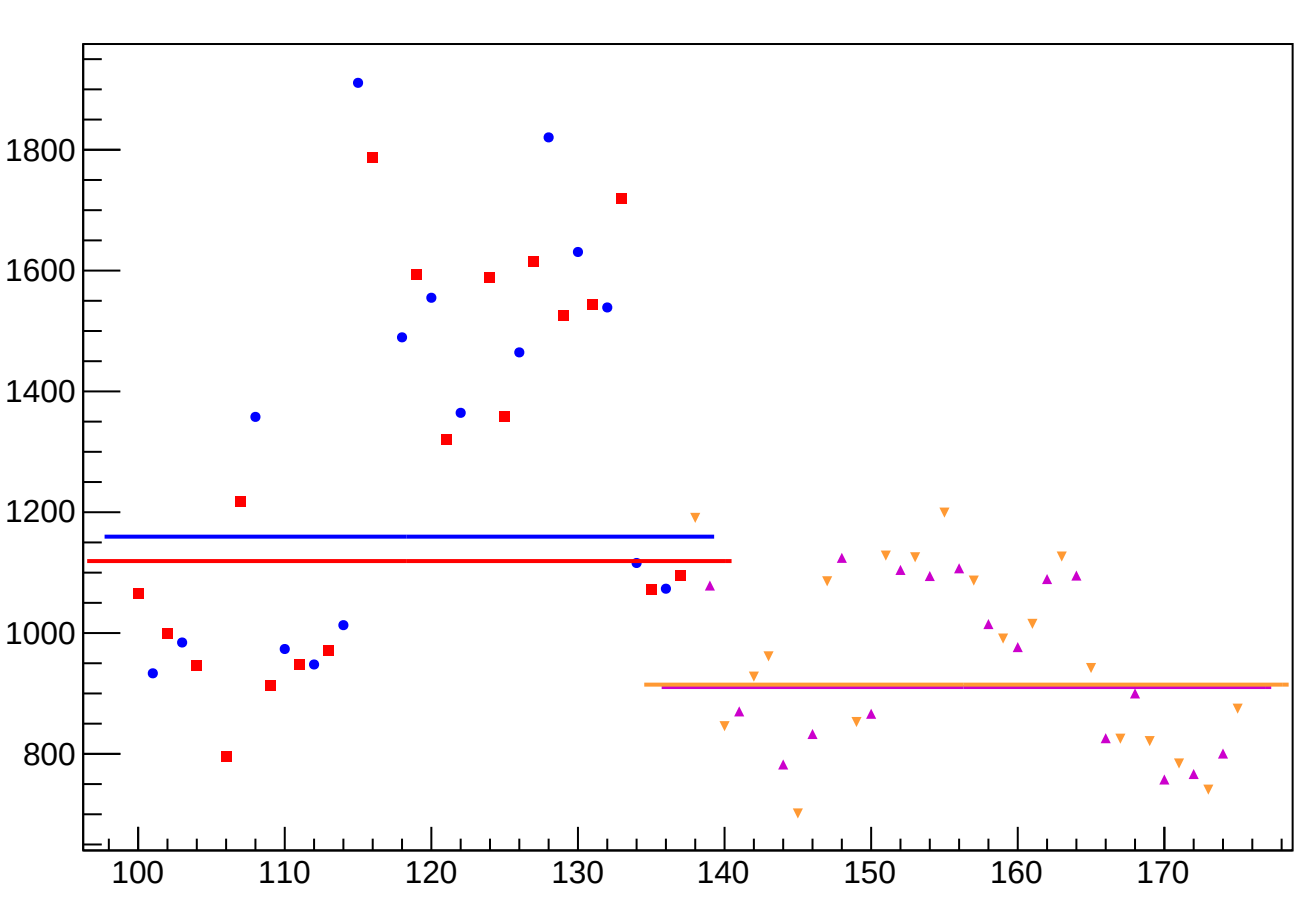
Left: -533.264+/-167.102 χ^2/NDF: 77.3/37

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 44.297+/-210.693 χ^2/NDF:40.7/33

Out: -633.019+/-204.431 χ^2/NDF:78.3/38

All: -304.576+/-146.719 χ^2/NDF: 124.2/72



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

Left: 912.670+/-0.118 χ^2/NDF: 1404390.1/37

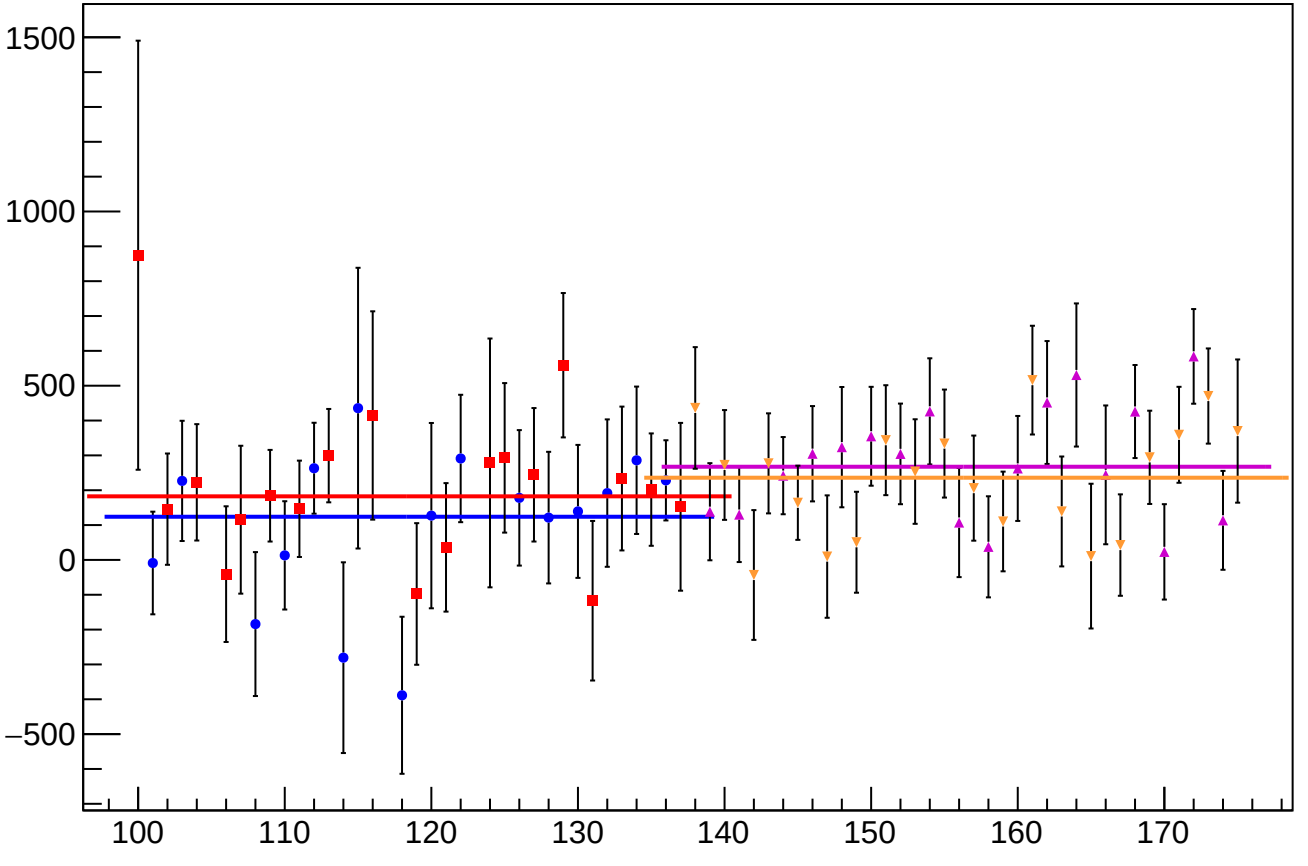
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 966.694+/-0.149 χ^2/NDF:1767332.0/33

Out: 962.213+/-0.145 χ^2/NDF:1968333.5/38

All: 964.386+/-0.104 χ^2/NDF: 3736131.5/72

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.913+/-33.802 χ^2/NDF:20.0/19

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.408+/-34.478 χ^2/NDF:21.2/17

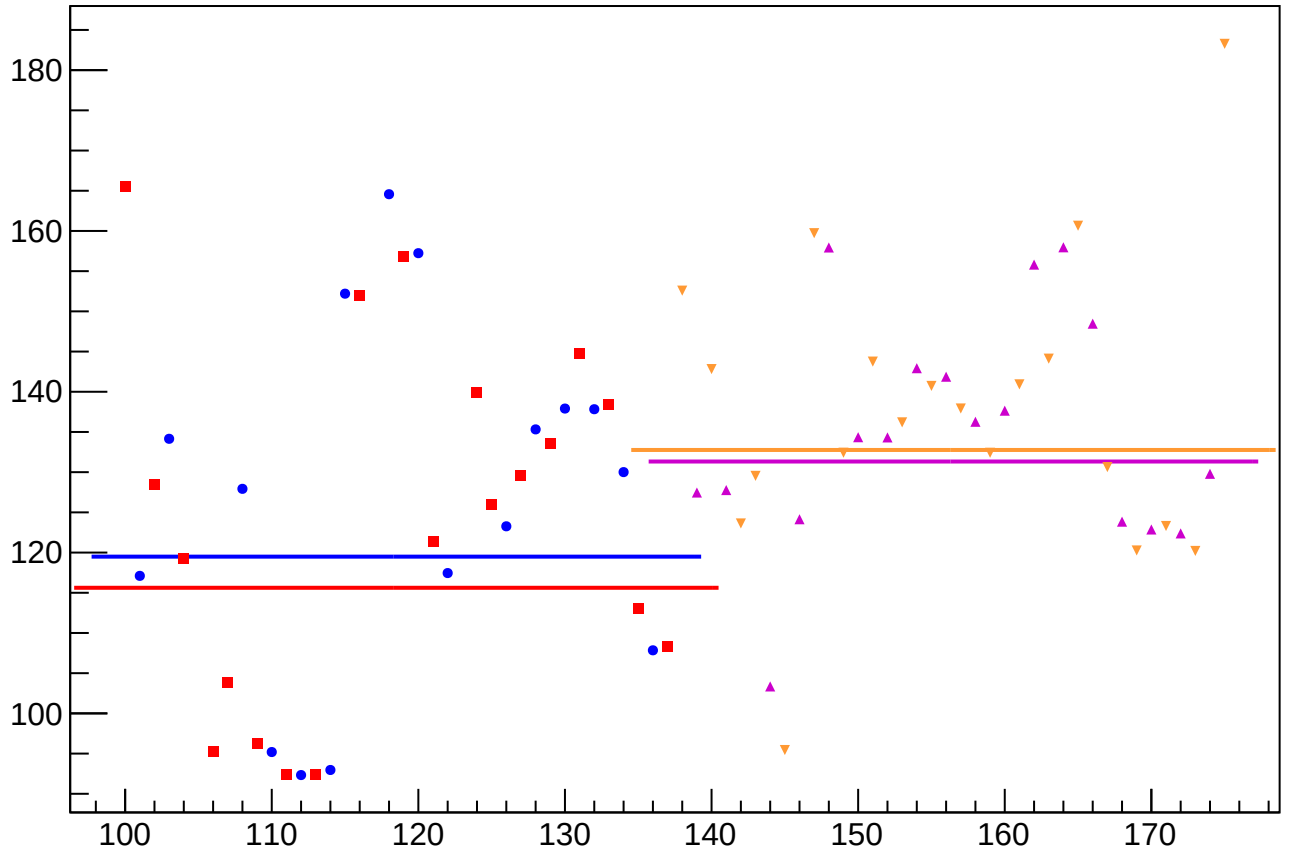
Left: 251.348+/-24.137 χ^2/NDF: 41.6/37

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 214.675+/-27.422 χ^2/NDF:42.9/33

Out: 215.631+/-26.627 χ^2/NDF:33.3/38

All: 215.167+/-19.103 χ^2/NDF: 76.2/72



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.761+/-0.024 χ^2/NDF:567888.1/19

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.2/17

Left: 132.057+/-0.017 χ^2/NDF: 891194.8/37

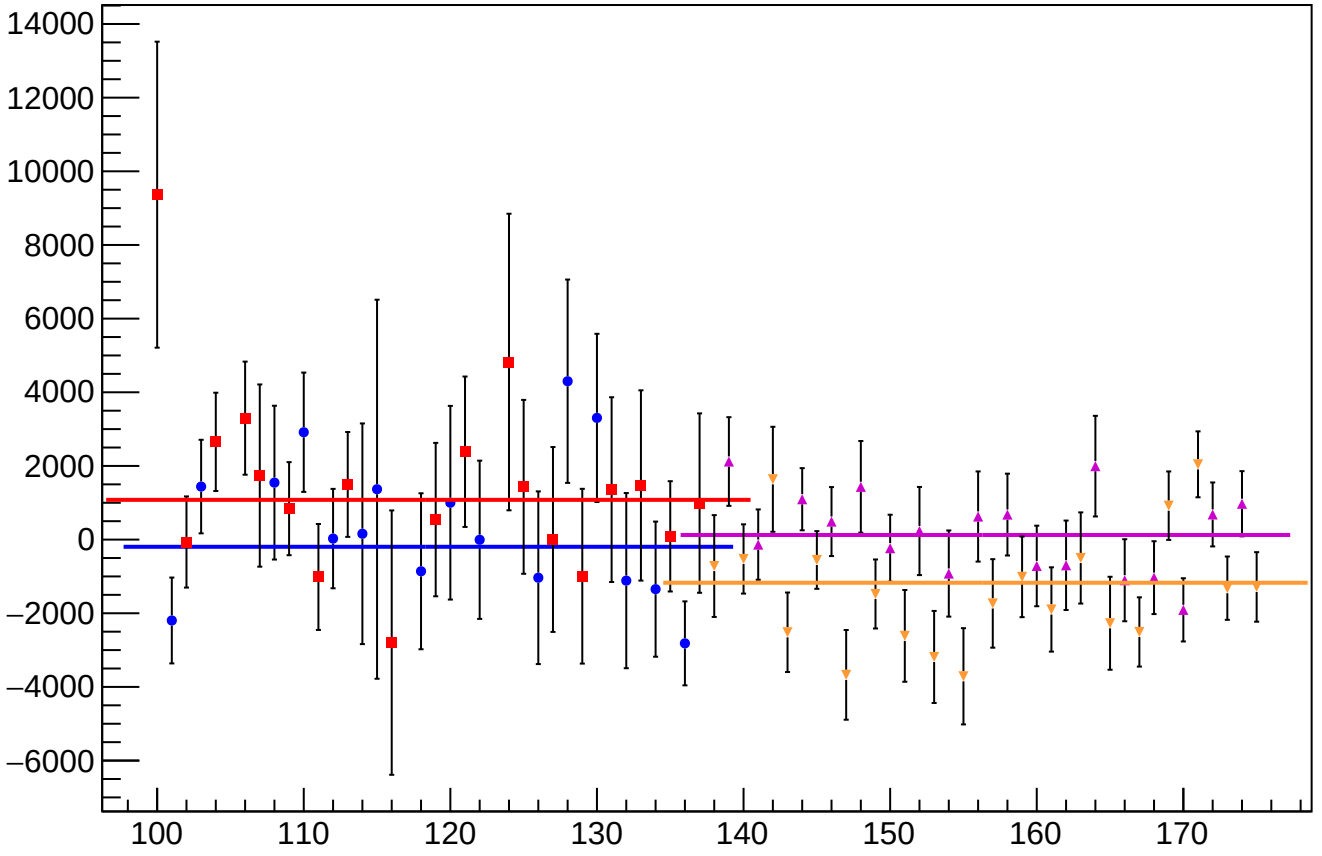
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.978+/-0.019 χ^2/NDF:788298.3/33

Out: 126.257+/-0.019 χ^2/NDF:1189982.1/38

All: 126.607+/-0.014 χ^2/NDF: 1978991.2/72

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.469+/-236.333 χ^2/NDF:40.4/19

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 125.512+/-243.009 χ^2/NDF:19.2/17

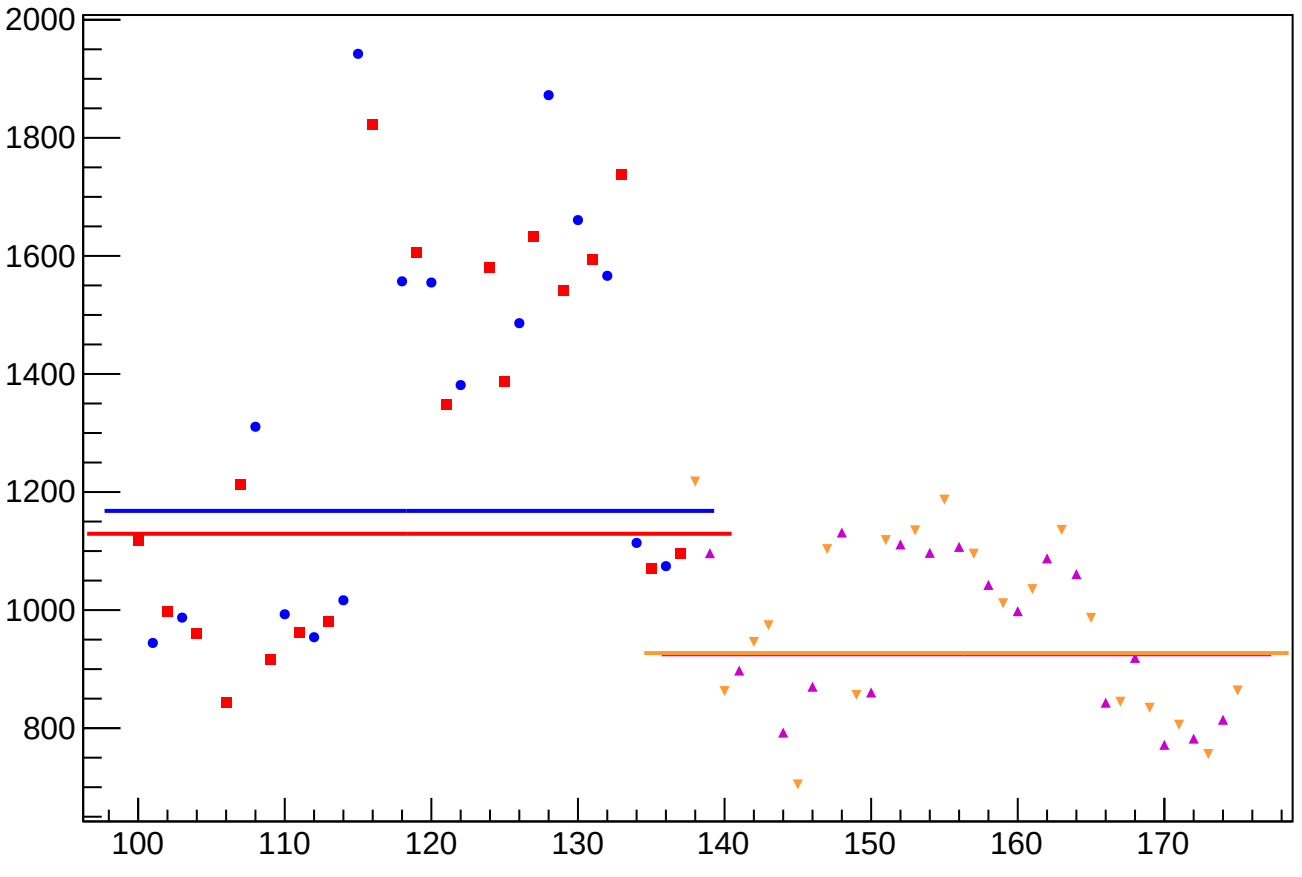
Left: -541.039+/-169.423 χ^2/NDF: 74.3/37

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 52.459+/-213.535 χ^2/NDF:40.0/33

Out: -641.656+/-206.655 χ^2/NDF:76.3/38

All: -305.960+/-148.500 χ^2/NDF: 121.8/72



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 927.214+/-0.167 χ^2/NDF:788881.6/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 925.110+/-0.172 χ^2/NDF:546437.5/17

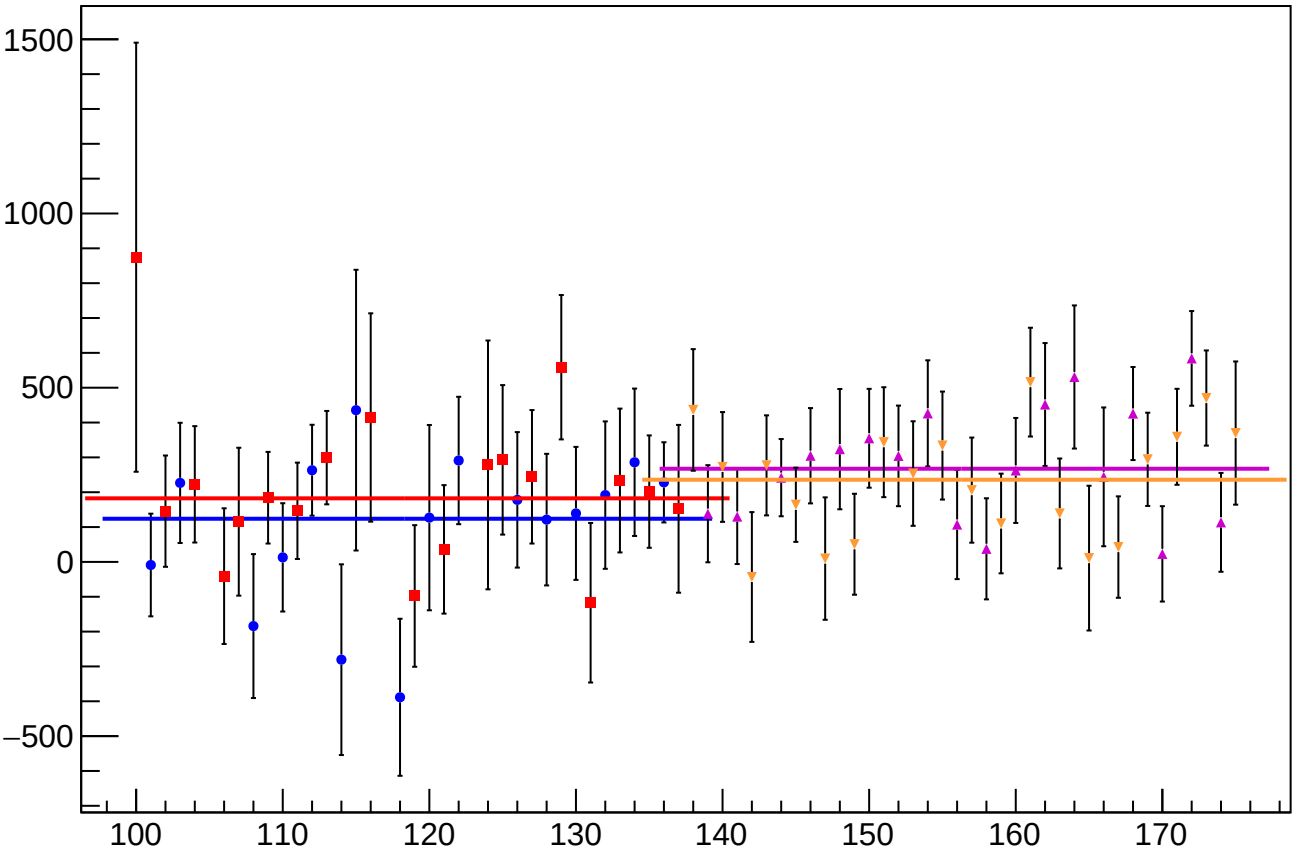
Left: 926.191+/-0.120 χ^2/NDF: 1335396.1/37

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 980.470+/-0.151 χ^2/NDF:1711317.4/33

Out: 974.785+/-0.146 χ^2/NDF:1940376.6/38

All: 977.535+/-0.105 χ^2/NDF: 3652426.0/72



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.915+/-33.802 χ^2/NDF:20.0/19

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.409+/-34.478 χ^2/NDF:21.2/17

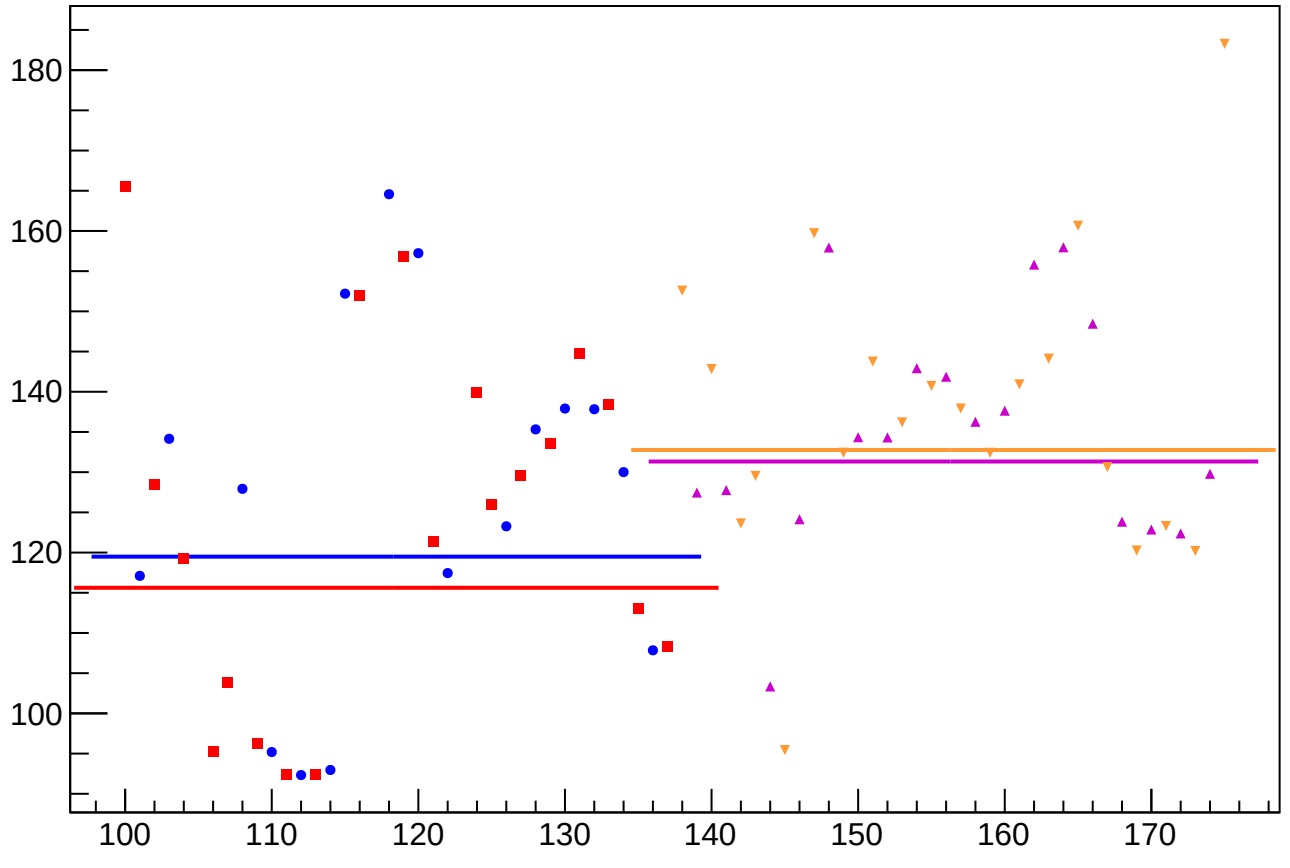
Left: 251.350+/-24.137 χ^2/NDF: 41.6/37

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 214.676+/-27.422 χ^2/NDF:42.9/33

Out: 215.633+/-26.627 χ^2/NDF:33.3/38

All: 215.169+/-19.103 χ^2/NDF: 76.2/72



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.761+/-0.024 χ^2/NDF:567889.7/19

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.4/17

Left: 132.057+/-0.017 χ^2/NDF: 891196.5/37

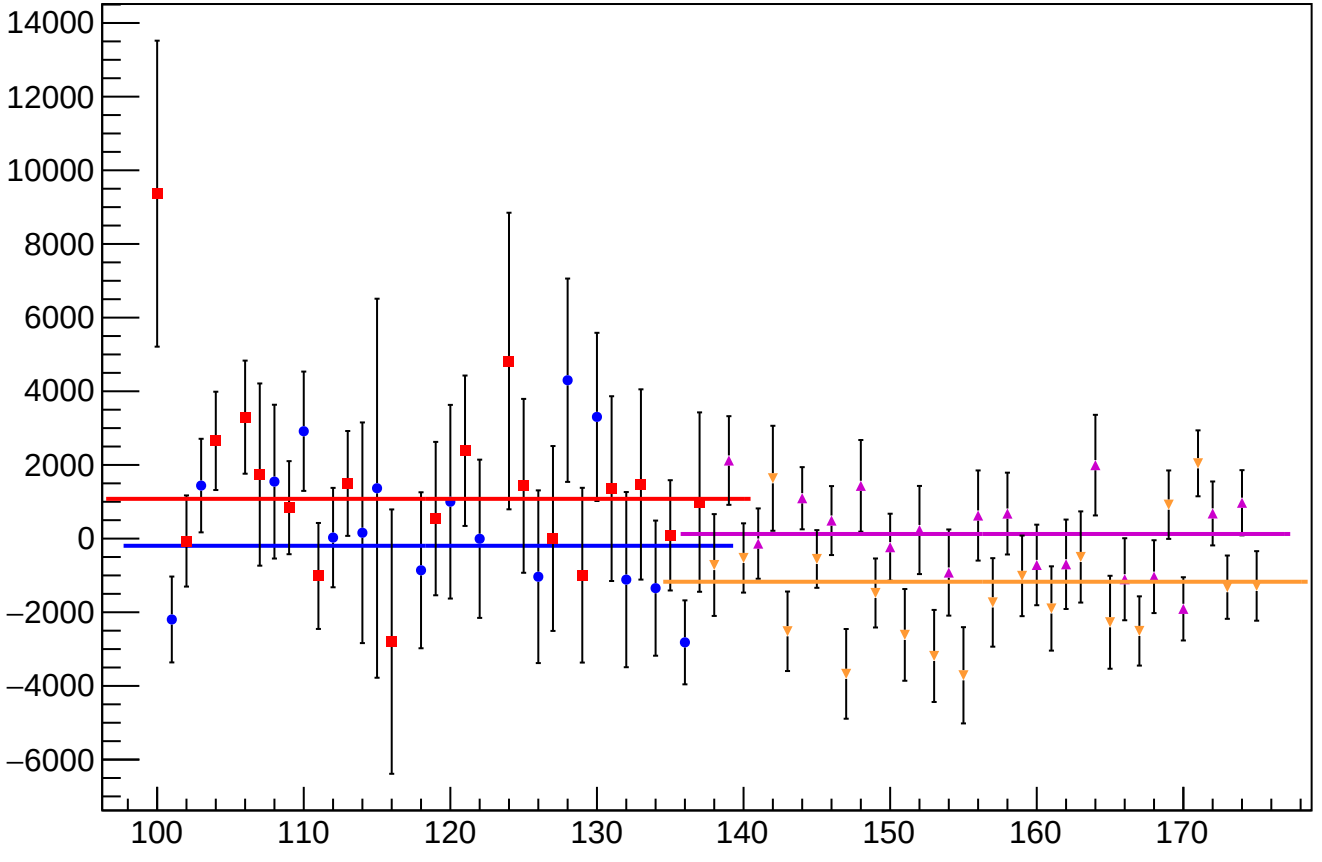
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 126.978+/-0.019 χ^2/NDF:788302.0/33

Out: 126.257+/-0.019 χ^2/NDF:1189990.3/38

All: 126.607+/-0.014 χ^2/NDF: 1979003.0/72

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.467+/-236.332 χ^2/NDF:40.4/19

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 125.511+/-243.008 χ^2/NDF:19.2/17

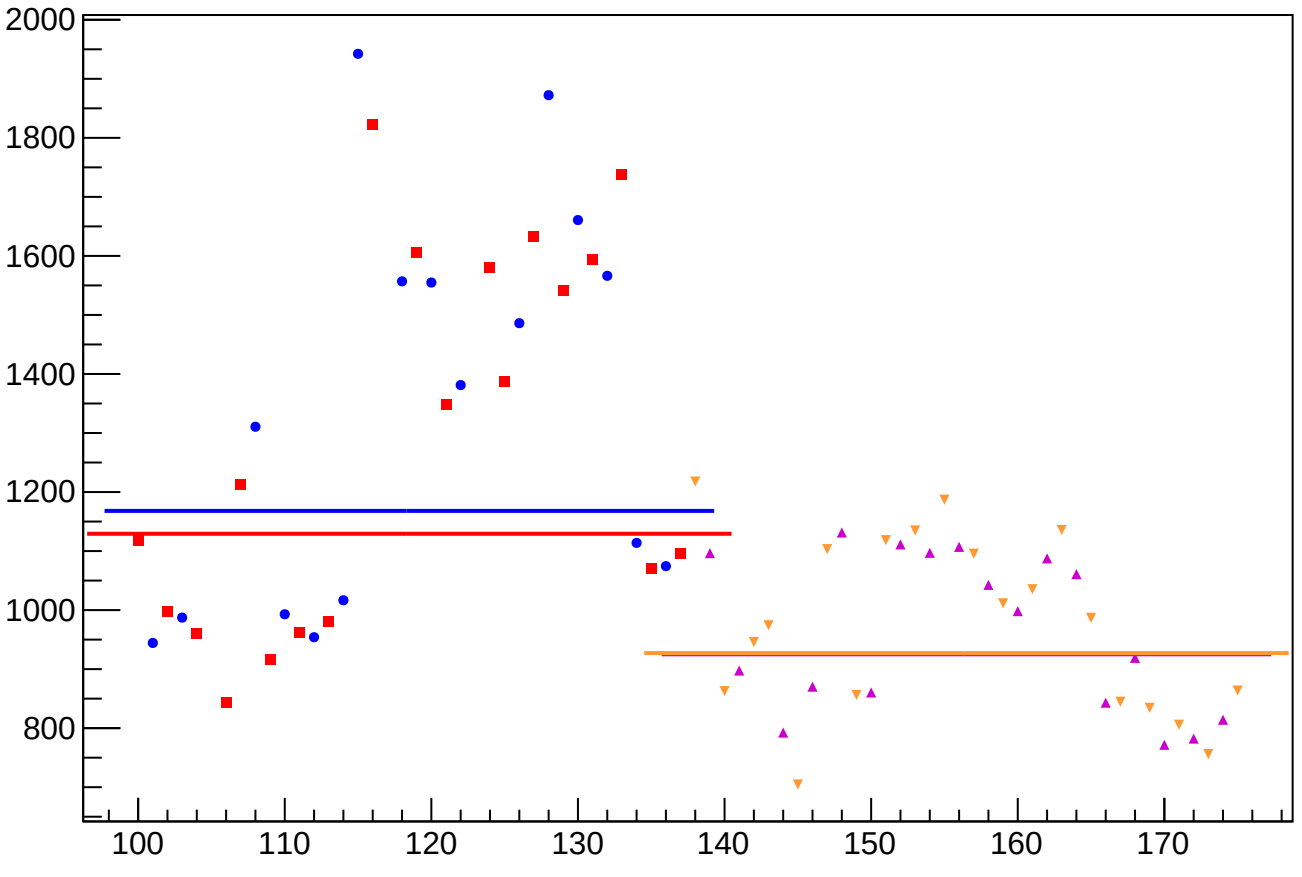
Left: -541.038+/-169.423 χ^2/NDF: 74.3/37

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 52.459+/-213.535 χ^2/NDF:40.0/33

Out: -641.655+/-206.655 χ^2/NDF:76.3/38

All: -305.960+/-148.500 χ^2/NDF: 121.8/72



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 927.213+/-0.167 χ^2/NDF:788885.9/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 925.110+/-0.172 χ^2/NDF:546438.4/17

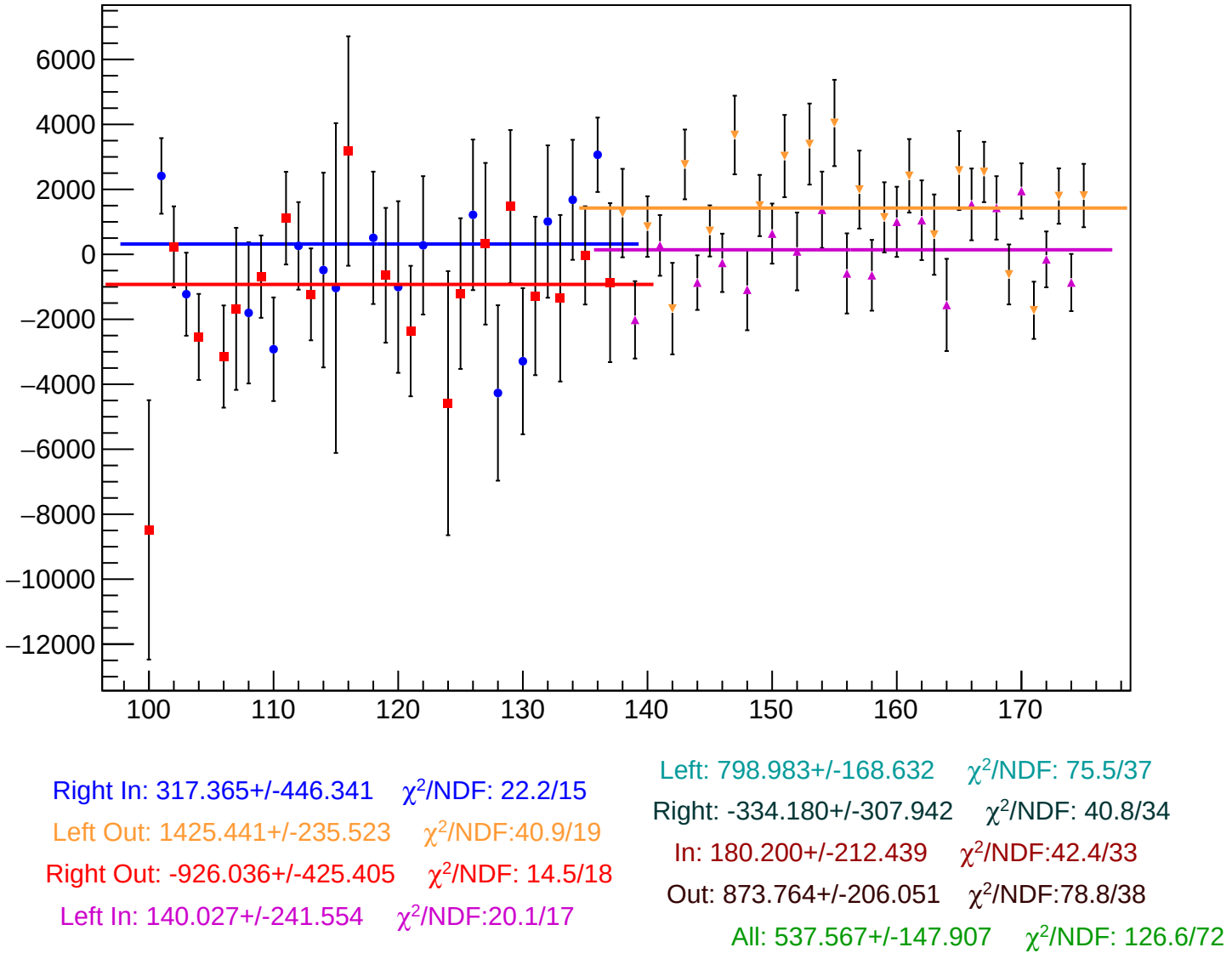
Left: 926.190+/-0.120 χ^2/NDF: 1335401.2/37

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

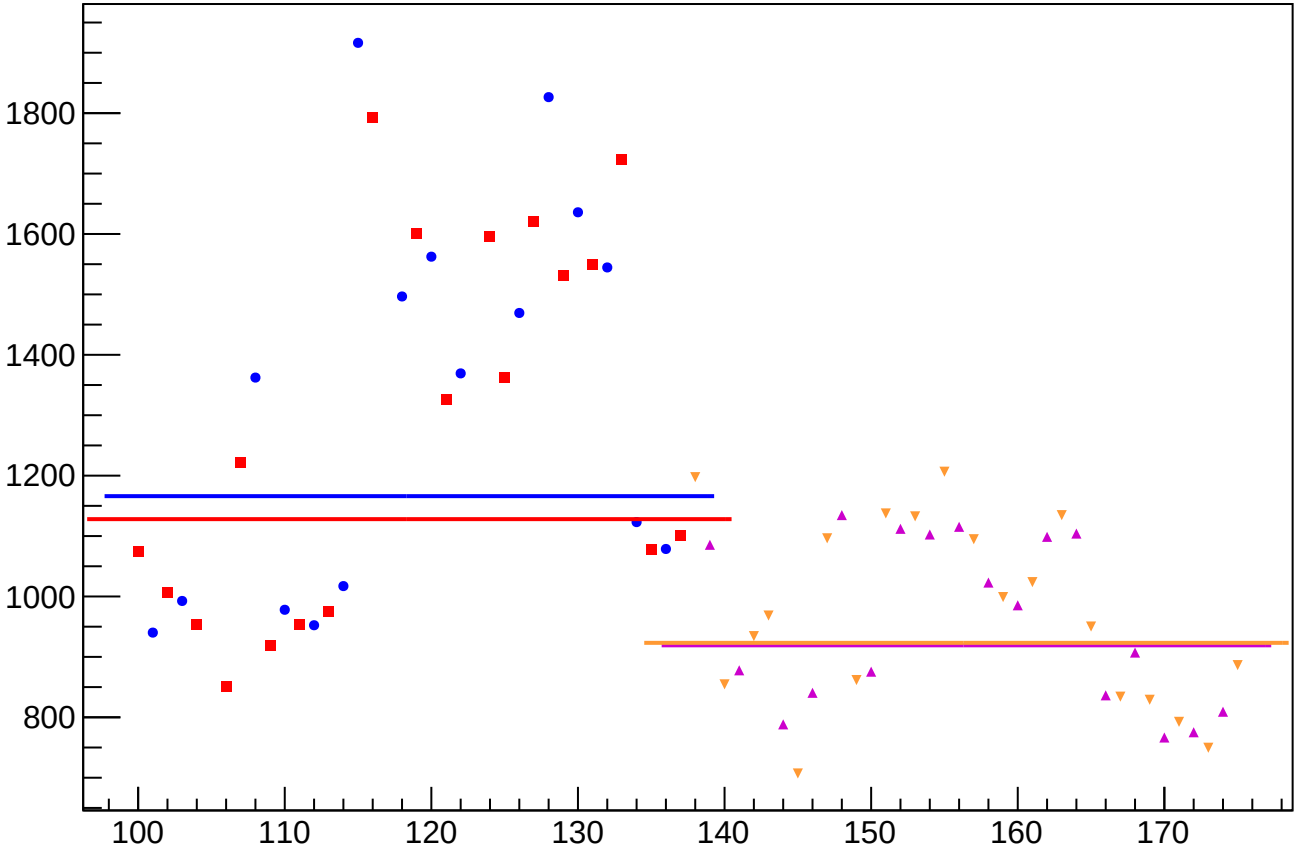
In: 980.470+/-0.151 χ^2/NDF:1711322.6/33

Out: 974.784+/-0.146 χ^2/NDF:1940384.7/38

All: 977.534+/-0.105 χ^2/NDF: 3652439.3/72


asym_sam_48_dd_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1425.441+/-235.523 χ²/NDF:40.9/19
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: 140.027+/-241.554 χ²/NDF:20.1/17
Left: 798.983+/-168.632 χ²/NDF: 75.5/37
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: 180.200+/-212.439 χ²/NDF:42.4/33
Out: 873.764+/-206.051 χ²/NDF:78.8/38
All: 537.567+/-147.907 χ²/NDF: 126.6/72

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 923.256+/-0.167 χ^2/NDF:795520.5/19

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 919.152+/-0.171 χ^2/NDF:587134.0/17

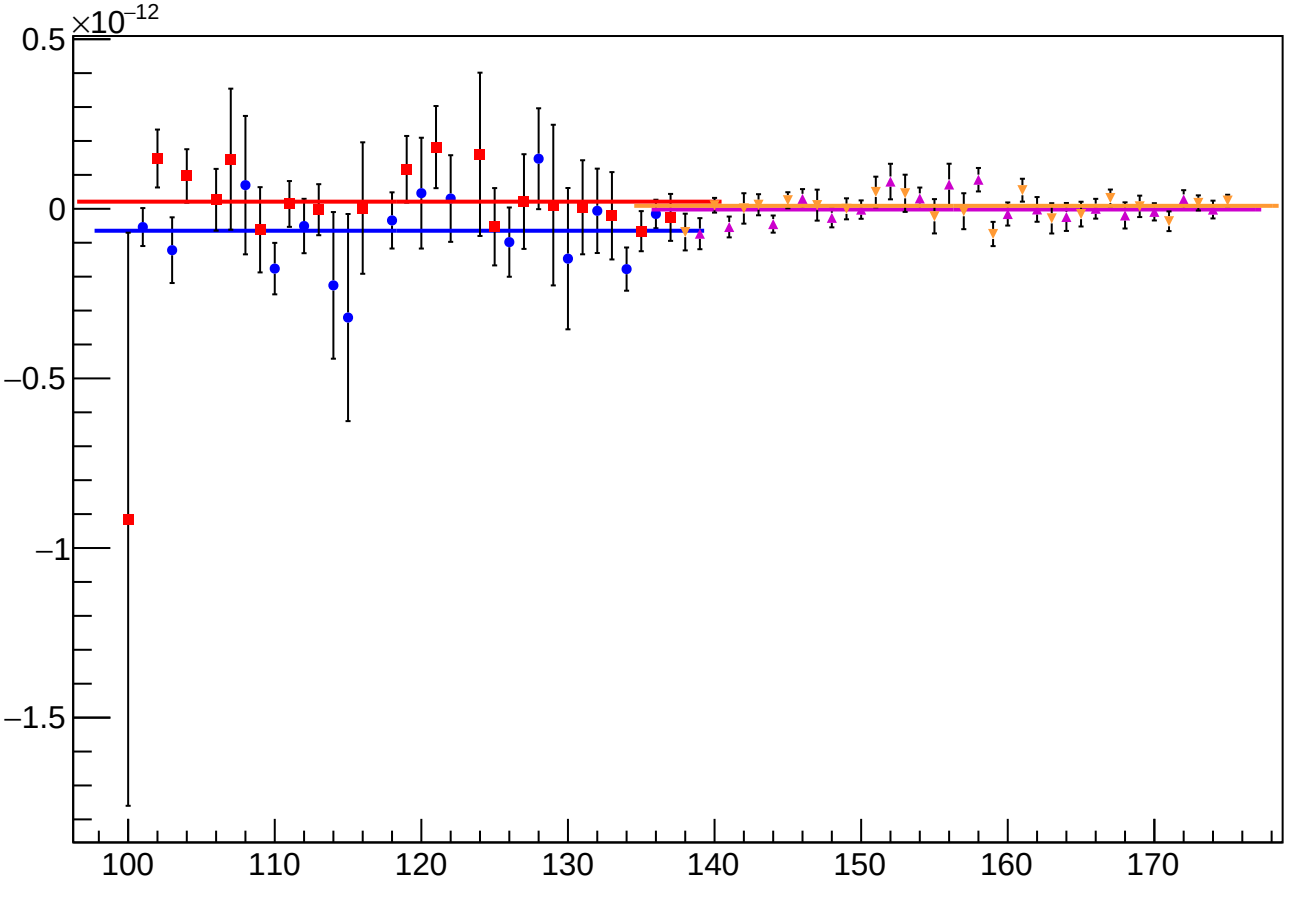
Left: 921.256+/-0.119 χ^2/NDF: 1382950.5/37

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 975.085+/-0.150 χ^2/NDF:1737561.7/33

Out: 971.292+/-0.146 χ^2/NDF:1925903.7/38

All: 973.131+/-0.105 χ^2/NDF: 3663793.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/17

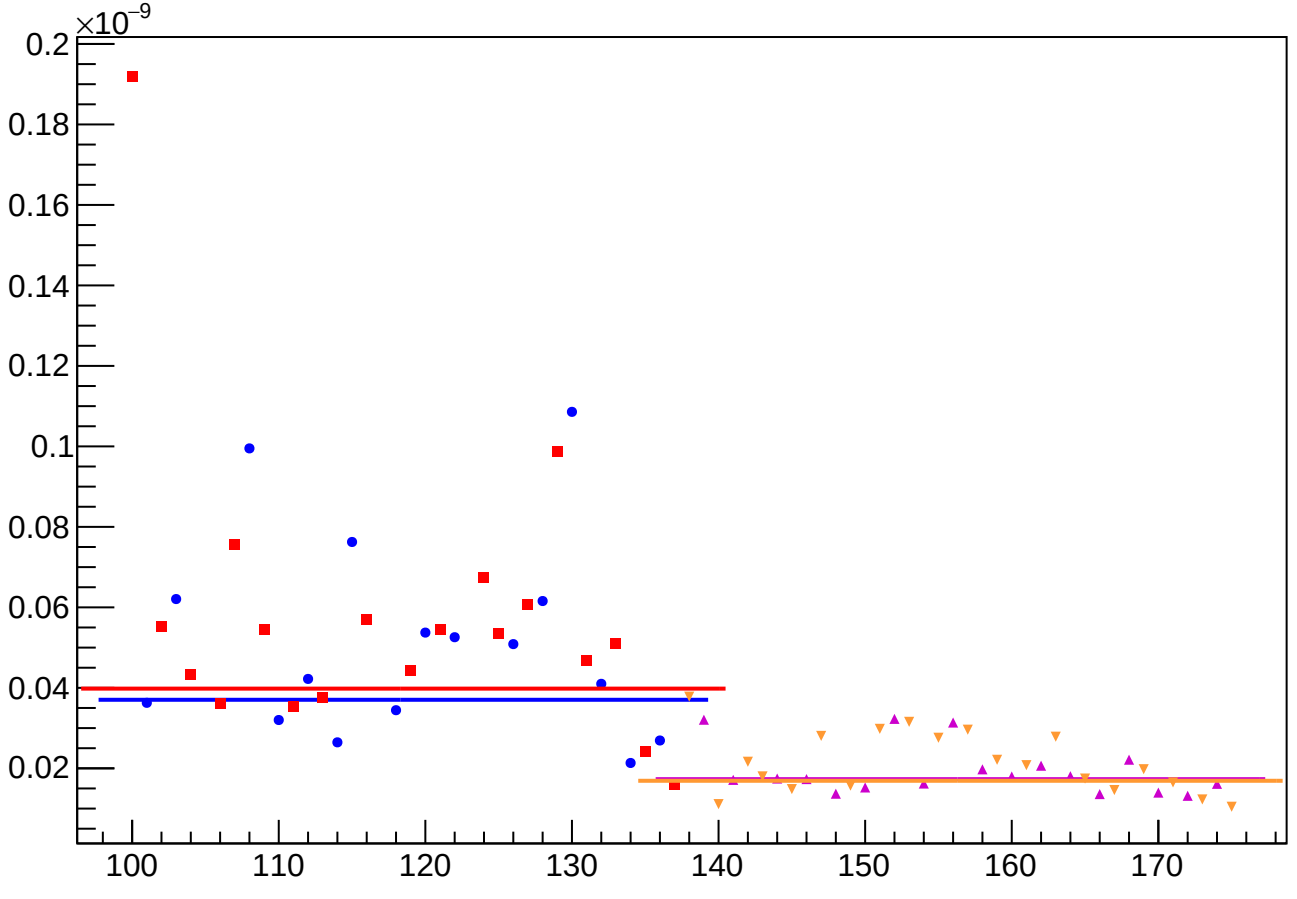
Left: 0.000+/-0.000 χ^2/NDF: 41.5/37

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:43.2/33

Out: 0.000+/-0.000 χ^2/NDF:28.8/38

All: 0.000+/-0.000 χ^2/NDF: 75.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1700378.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:700051.5/17

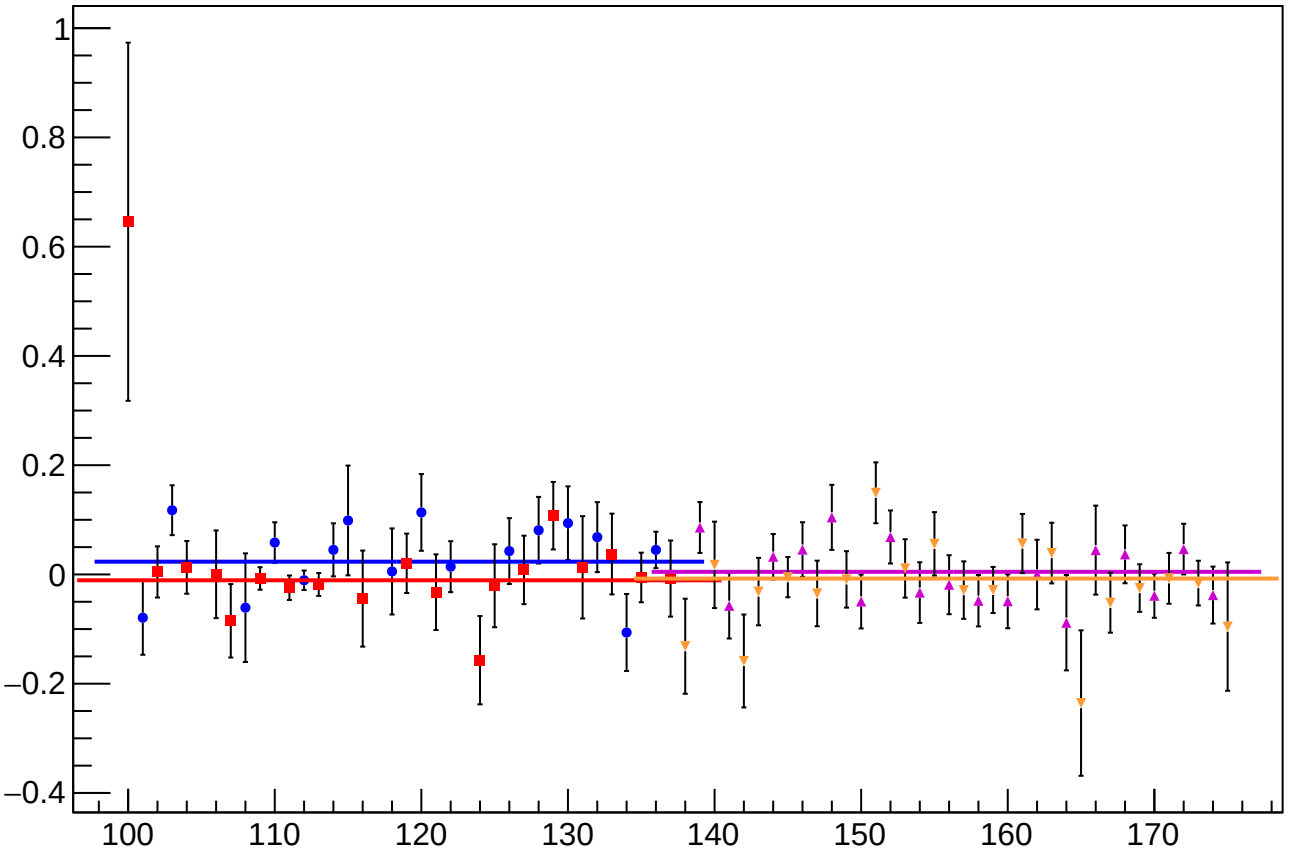
Left: 0.000+/-0.000 χ^2/NDF: 2403595.6/37

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3154634.8/33

Out: 0.000+/-0.000 χ^2/NDF:4406319.1/38

All: 0.000+/-0.000 χ^2/NDF: 7568787.0/72



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

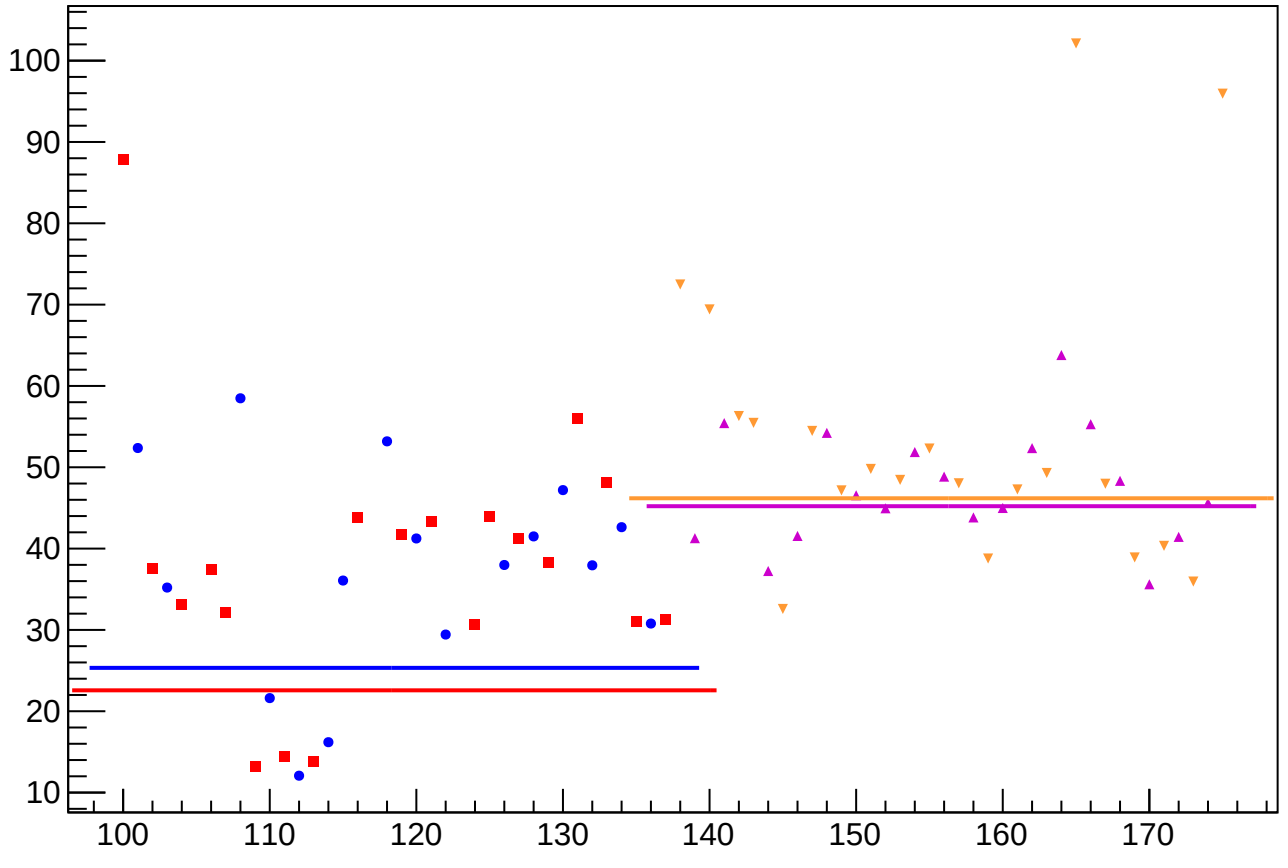
Left: -0.001+/-0.009 χ^2/NDF: 40.7/37

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.3/72



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

Left: 45.699+/-0.006 χ^2/NDF: 2301922.2/37

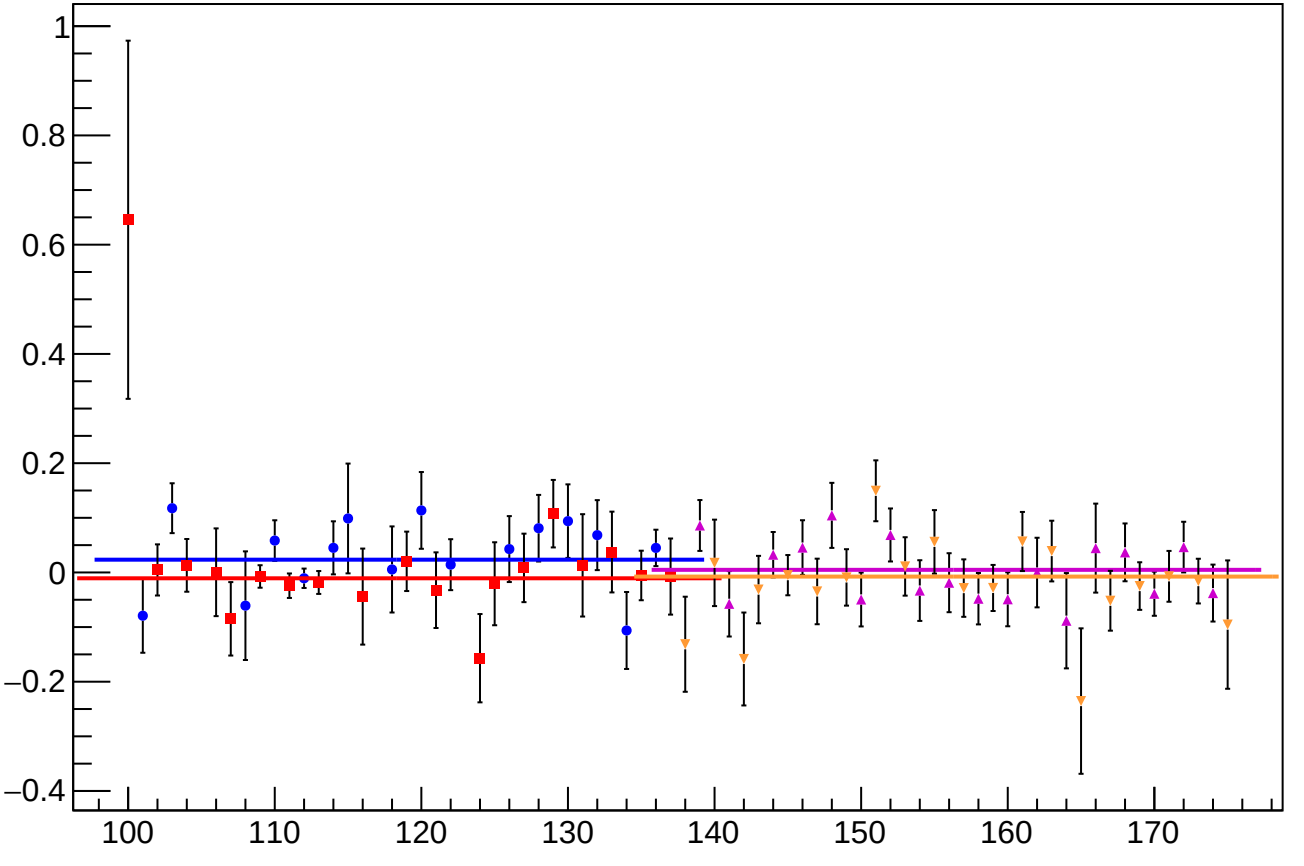
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.292+/-0.006 χ^2/NDF:6355725.6/33

Out: 31.810+/-0.005 χ^2/NDF:9453425.6/38

All: 32.964+/-0.004 χ^2/NDF: 15907099.9/72

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

Left: -0.001+/-0.009 χ^2/NDF: 40.7/37

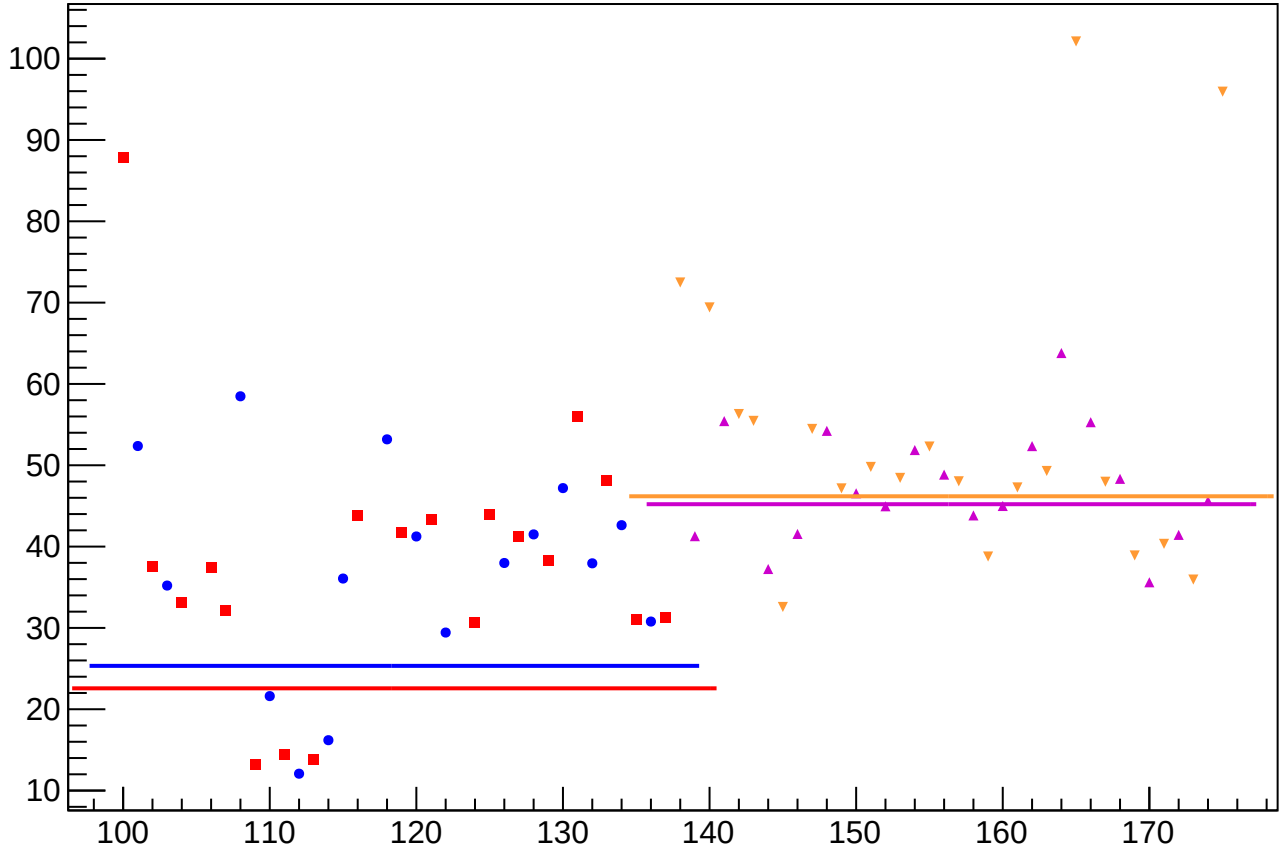
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.3/72

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

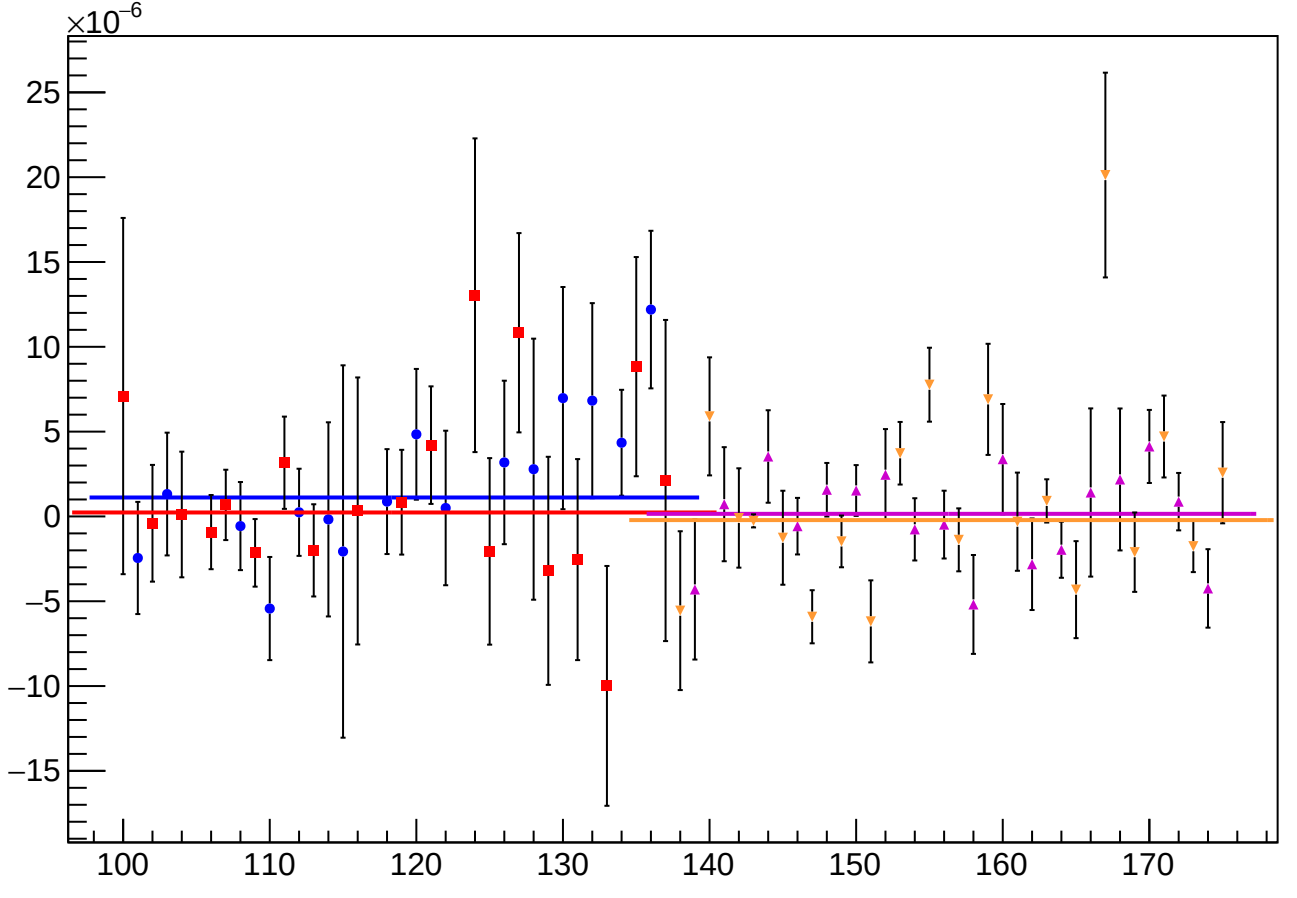
Left: 45.699+/-0.006 χ^2/NDF: 2301922.2/37

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.292+/-0.006 χ^2/NDF:6355725.6/33

Out: 31.810+/-0.005 χ^2/NDF:9453425.6/38

All: 32.964+/-0.004 χ^2/NDF: 15907099.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/17

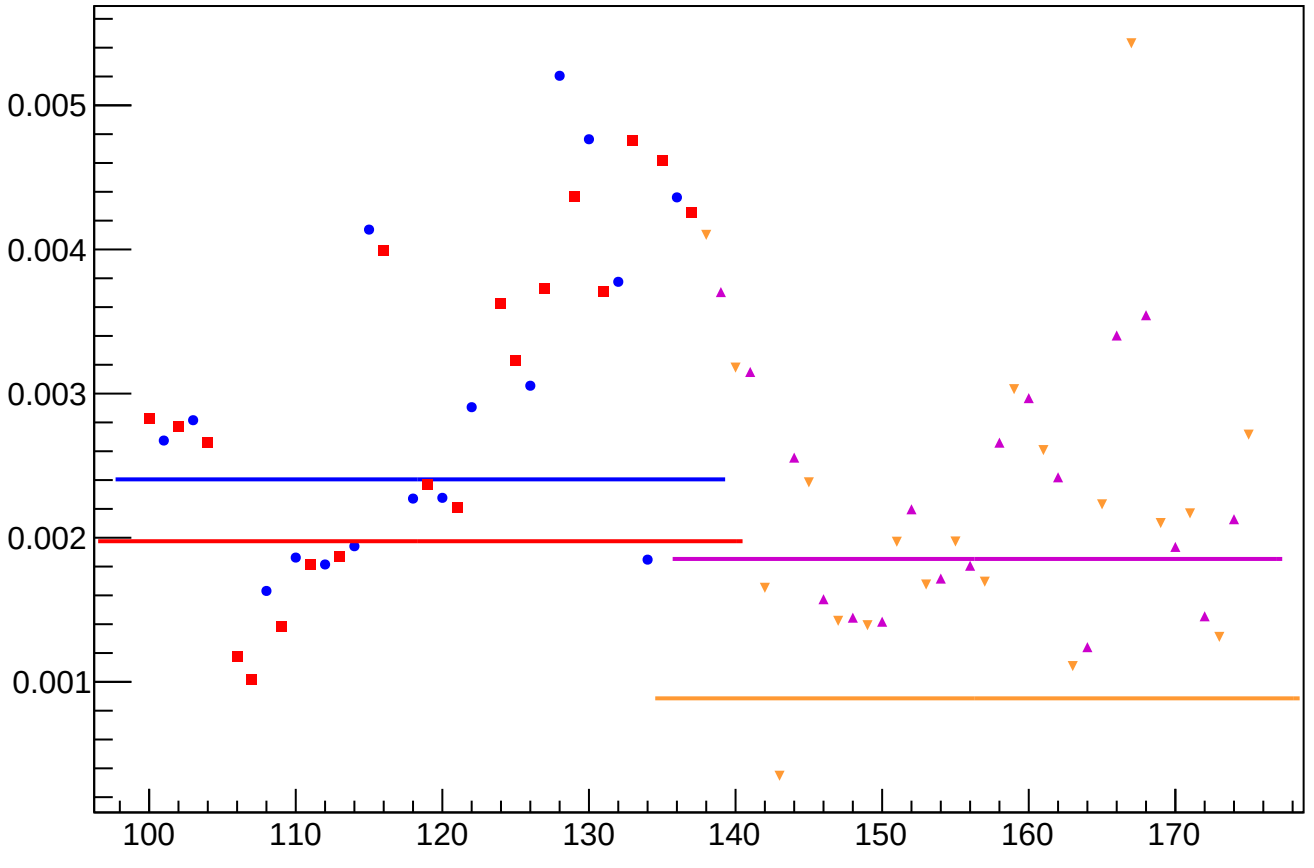
Left: -0.000+/-0.000 χ^2/NDF: 89.3/37

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:37.3/33

Out: -0.000+/-0.000 χ^2/NDF:84.0/38

All: -0.000+/-0.000 χ^2/NDF: 122.3/72



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:13729087.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2650329.3/17

Left: 0.001+/-0.000 χ^2/NDF: 21569717.4/37

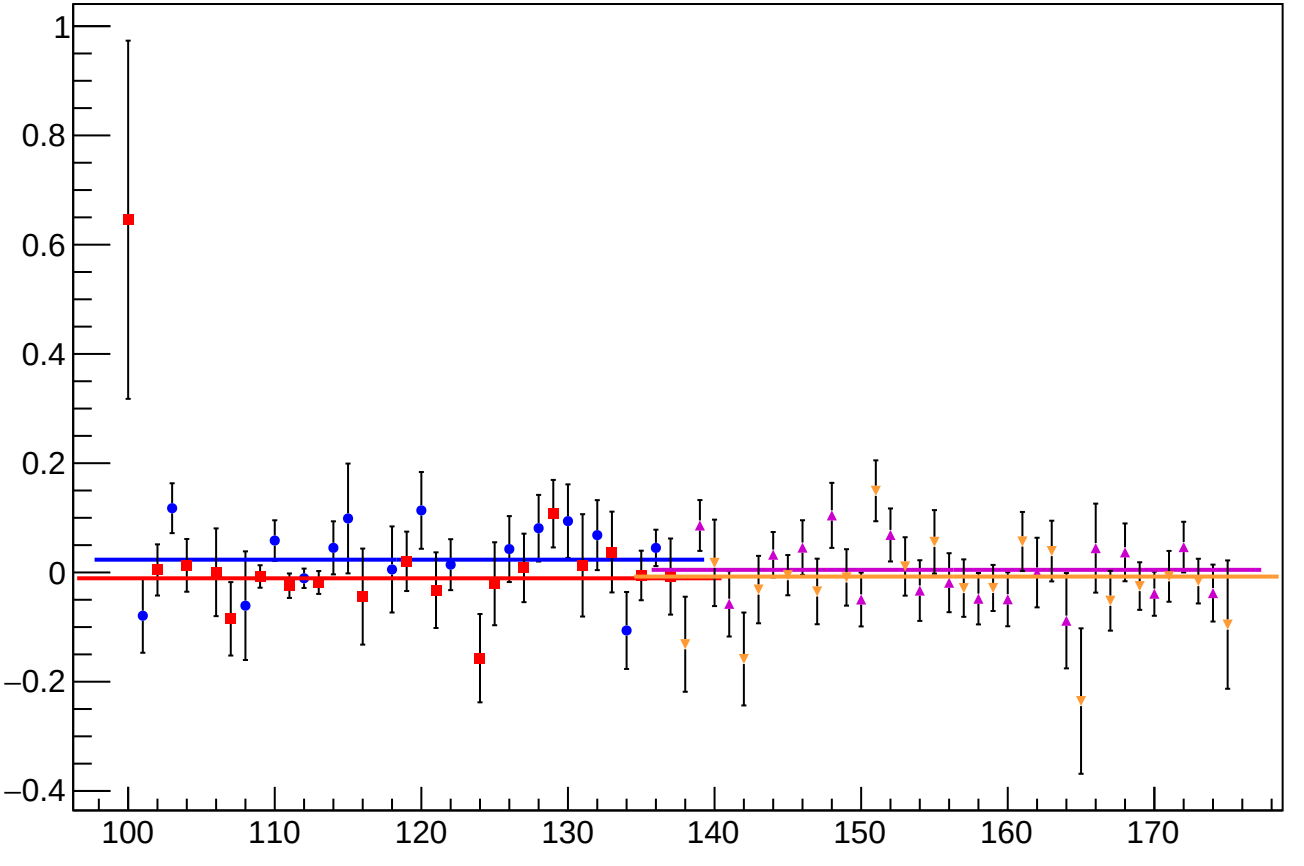
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4739538.9/33

Out: 0.001+/-0.000 χ^2/NDF:19659584.1/38

All: 0.001+/-0.000 χ^2/NDF: 30765810.1/72

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

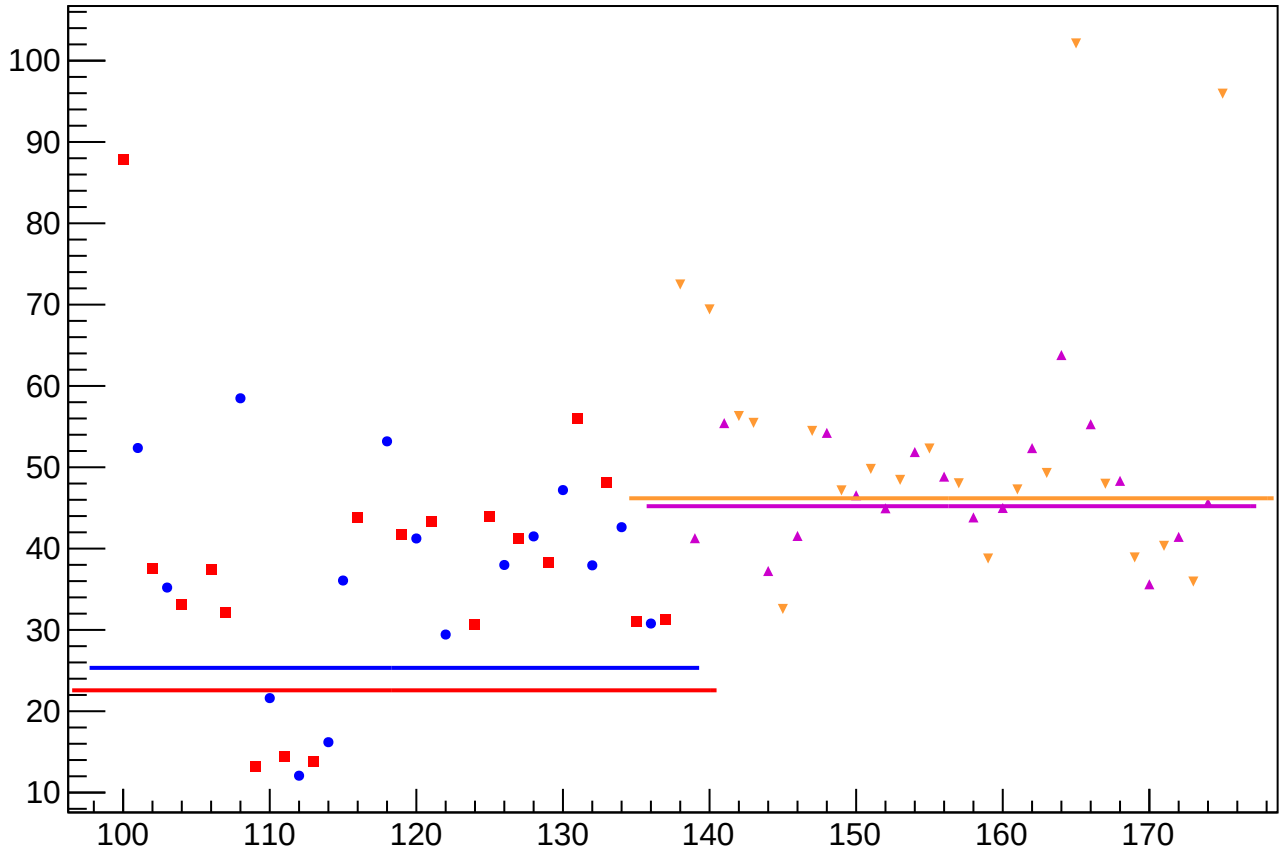
Left: -0.001+/-0.009 χ^2/NDF: 40.7/37

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.3/72



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

Left: 45.700+/-0.006 χ^2/NDF: 2301920.5/37

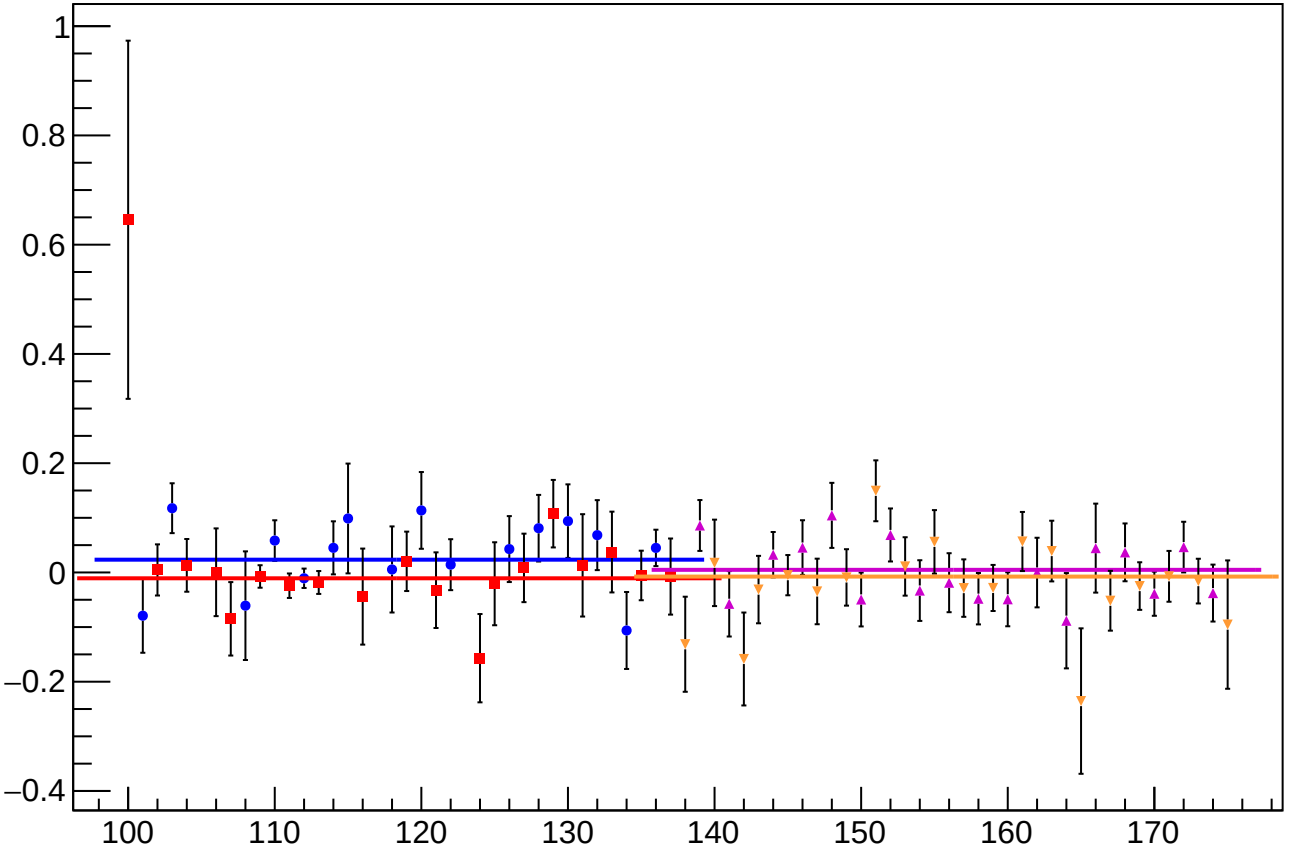
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.291+/-0.006 χ^2/NDF:6356677.9/33

Out: 31.810+/-0.005 χ^2/NDF:9453777.9/38

All: 32.963+/-0.004 χ^2/NDF: 15908349.2/72

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

Left: -0.001+/-0.009 χ^2/NDF: 40.7/37

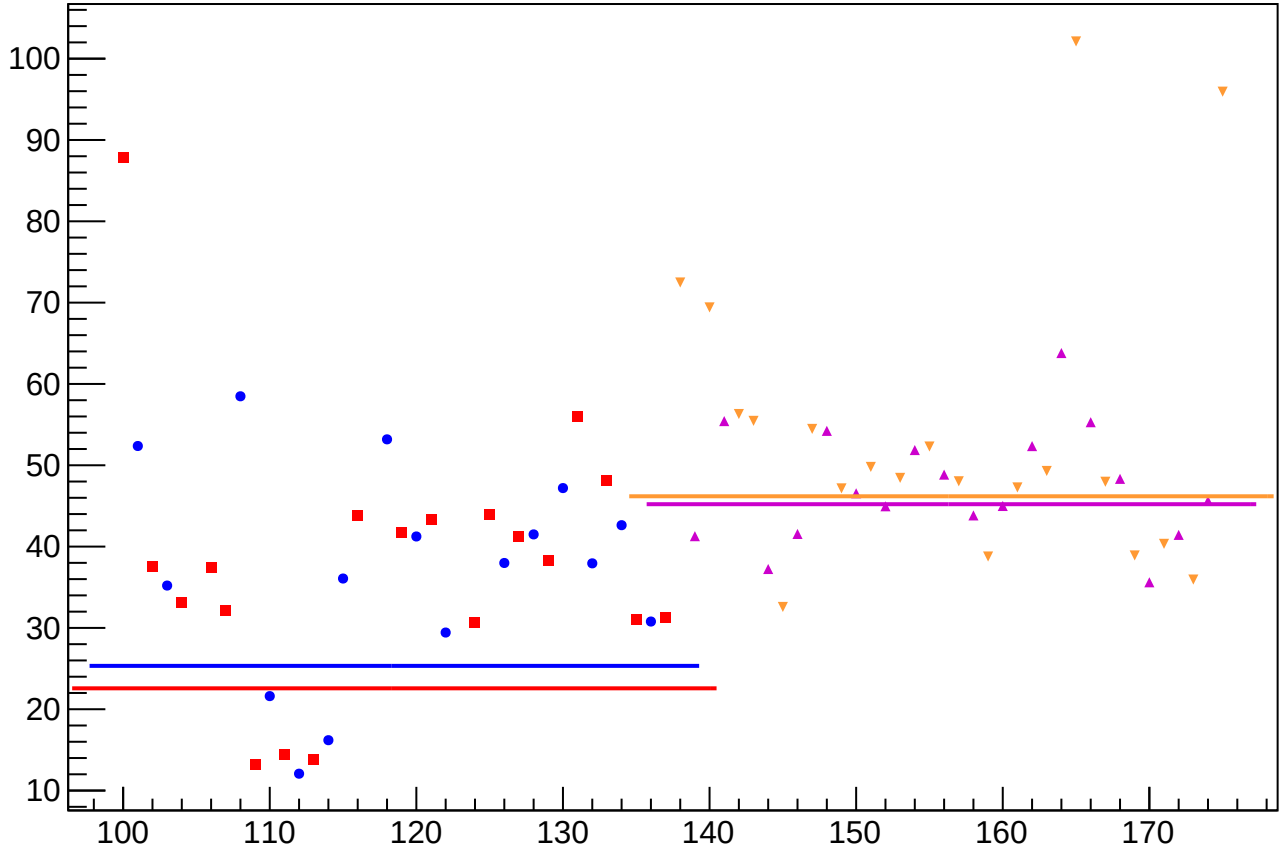
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.3/72

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

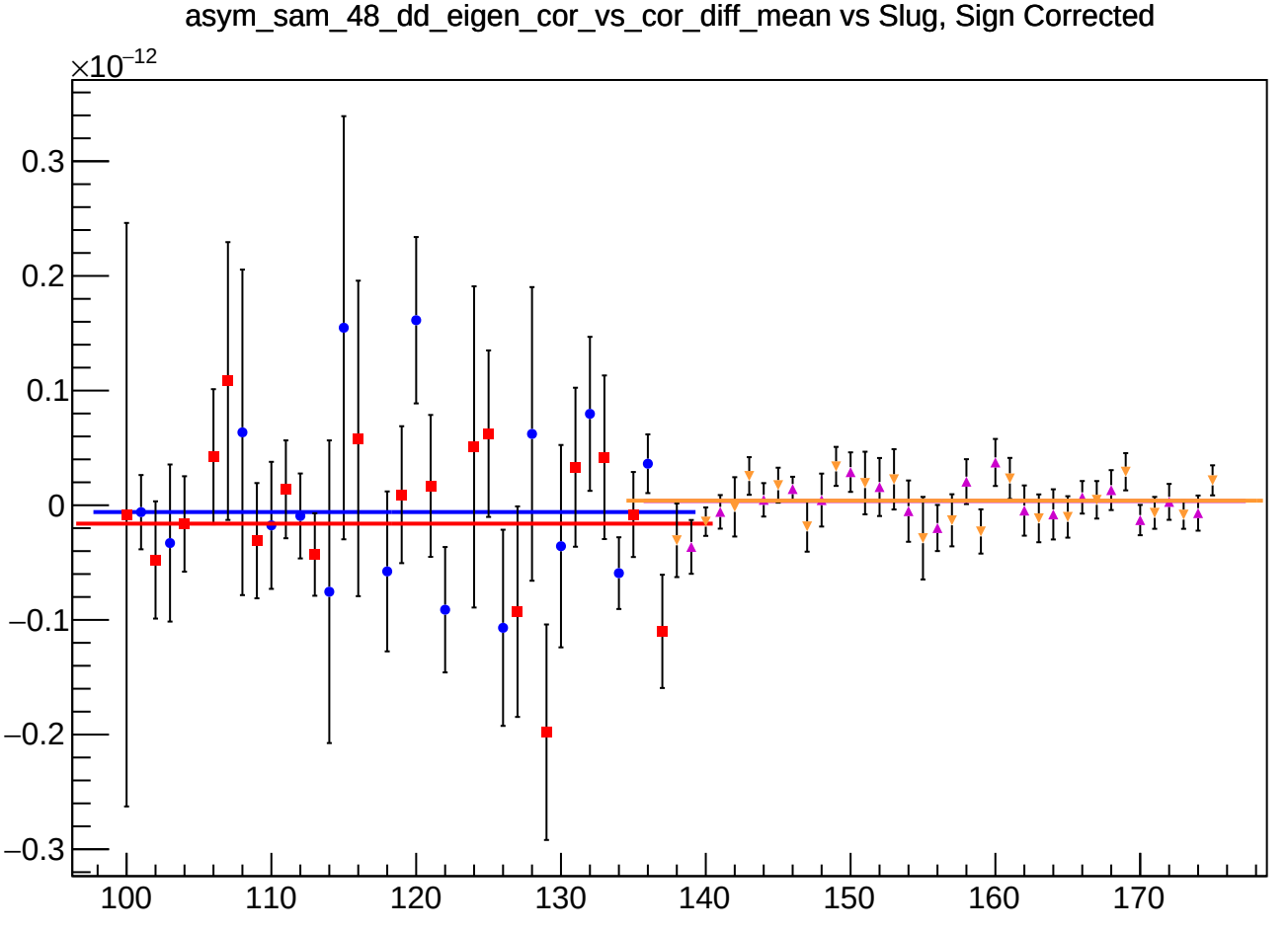
Left: 45.700+/-0.006 χ^2/NDF: 2301920.5/37

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.291+/-0.006 χ^2/NDF:6356677.9/33

Out: 31.810+/-0.005 χ^2/NDF:9453777.9/38

All: 32.963+/-0.004 χ^2/NDF: 15908349.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

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

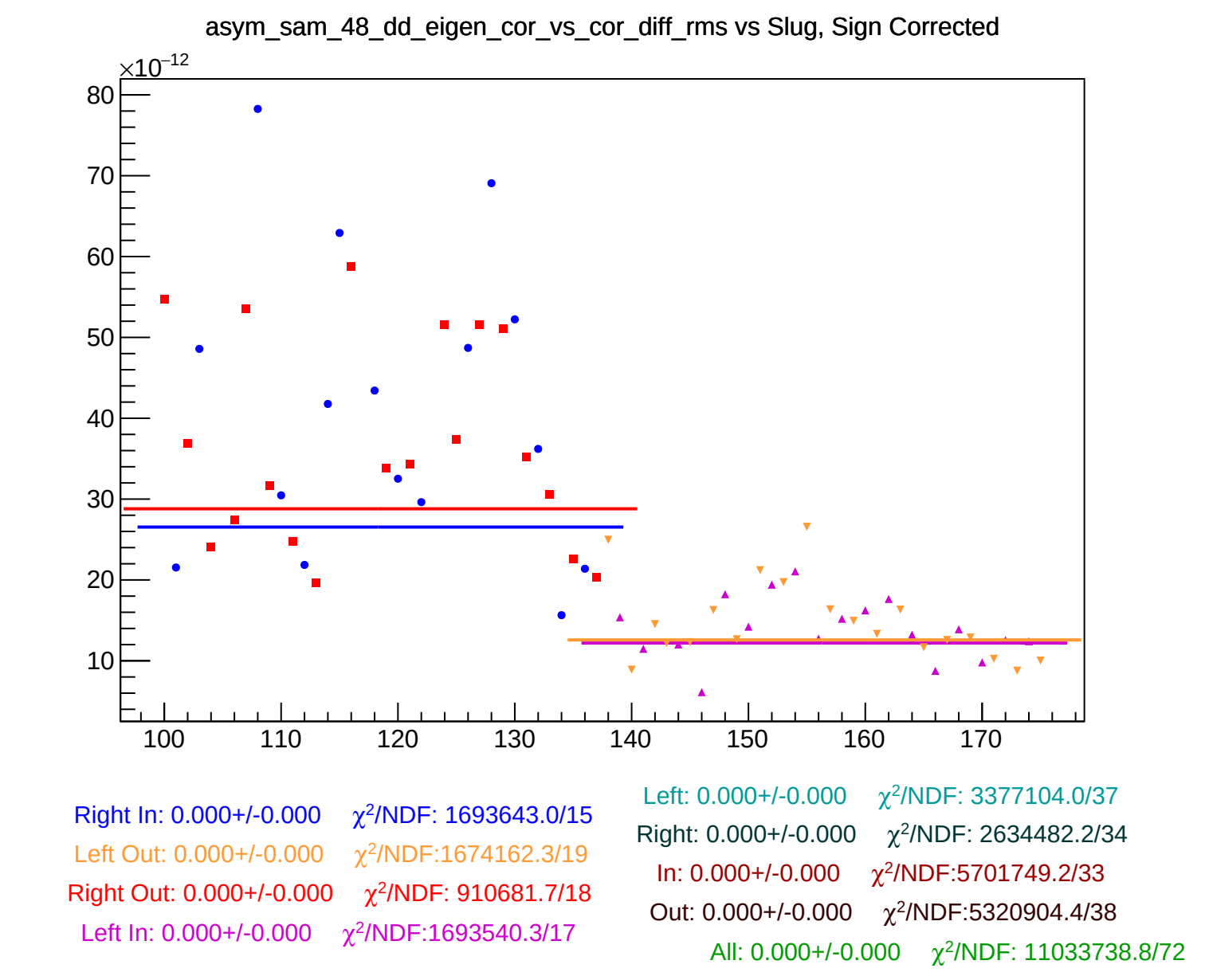
Left: 0.000+/-0.000 χ^2/NDF: 36.7/37

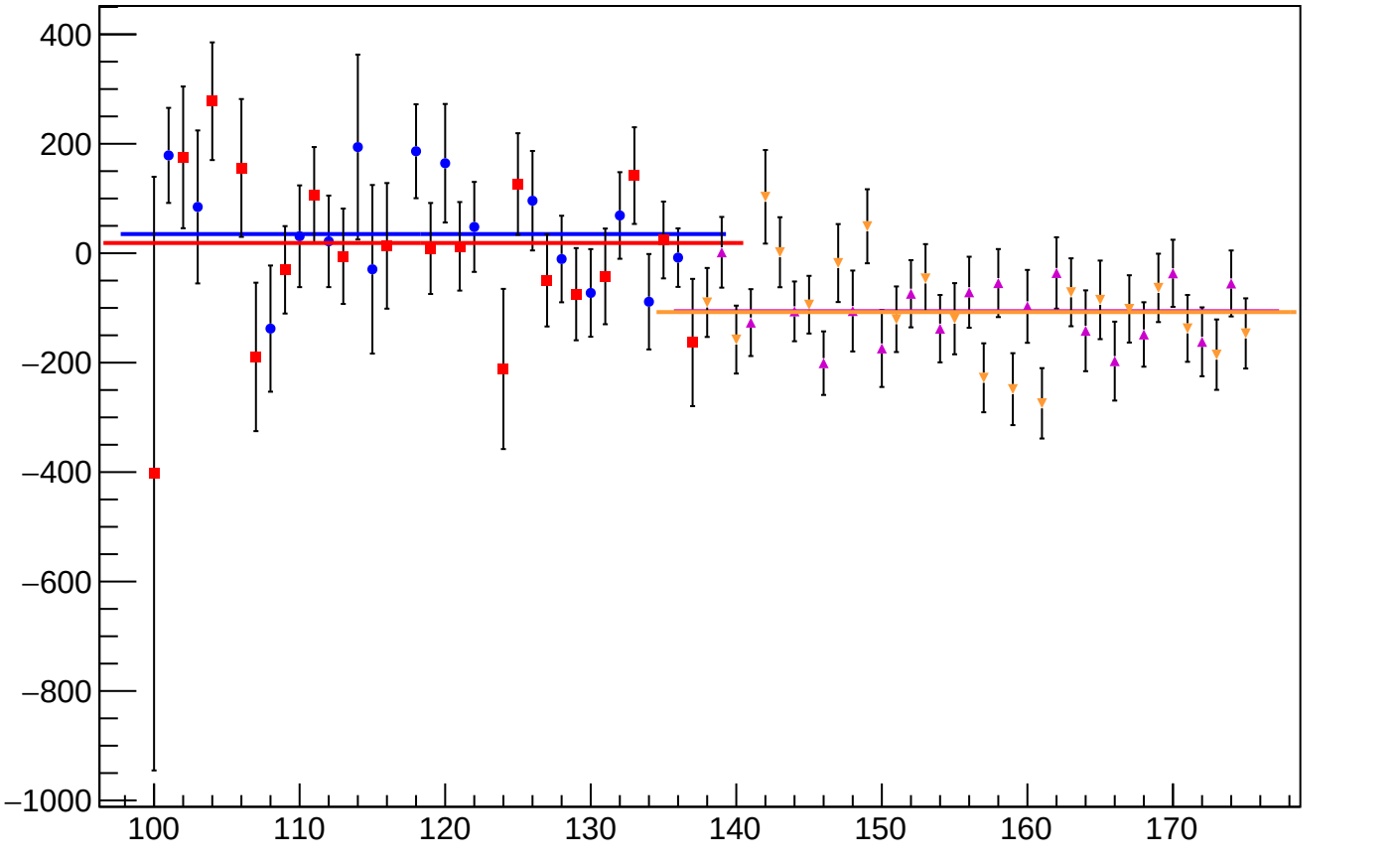
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.7/33

Out: 0.000+/-0.000 χ^2/NDF:39.3/38

All: 0.000+/-0.000 χ^2/NDF: 73.1/72


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1674162.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1693540.3/17
Left: 0.000+/-0.000 χ²/NDF: 3377104.0/37
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5701749.2/33
Out: 0.000+/-0.000 χ²/NDF:5320904.4/38
All: 0.000+/-0.000 χ²/NDF: 11033738.8/72



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.588+/-14.302 χ^2/NDF:35.8/19

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -105.926+/-14.964 χ^2/NDF:14.3/17

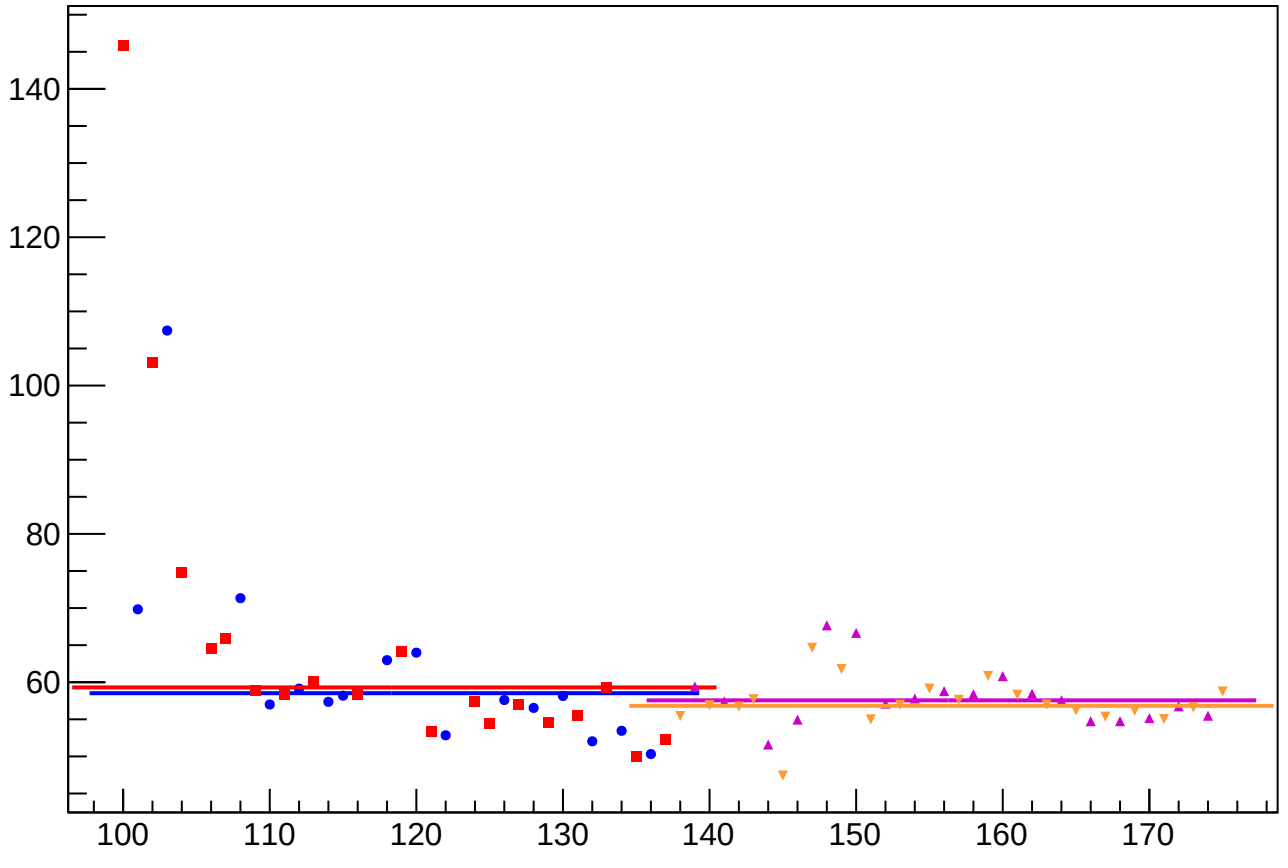
Left: -106.795+/-10.339 χ^2/NDF: 50.1/37

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -61.717+/-12.397 χ^2/NDF:58.3/33

Out: -70.402+/-12.013 χ^2/NDF:82.2/38

All: -66.196+/-8.627 χ^2/NDF: 140.8/72



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

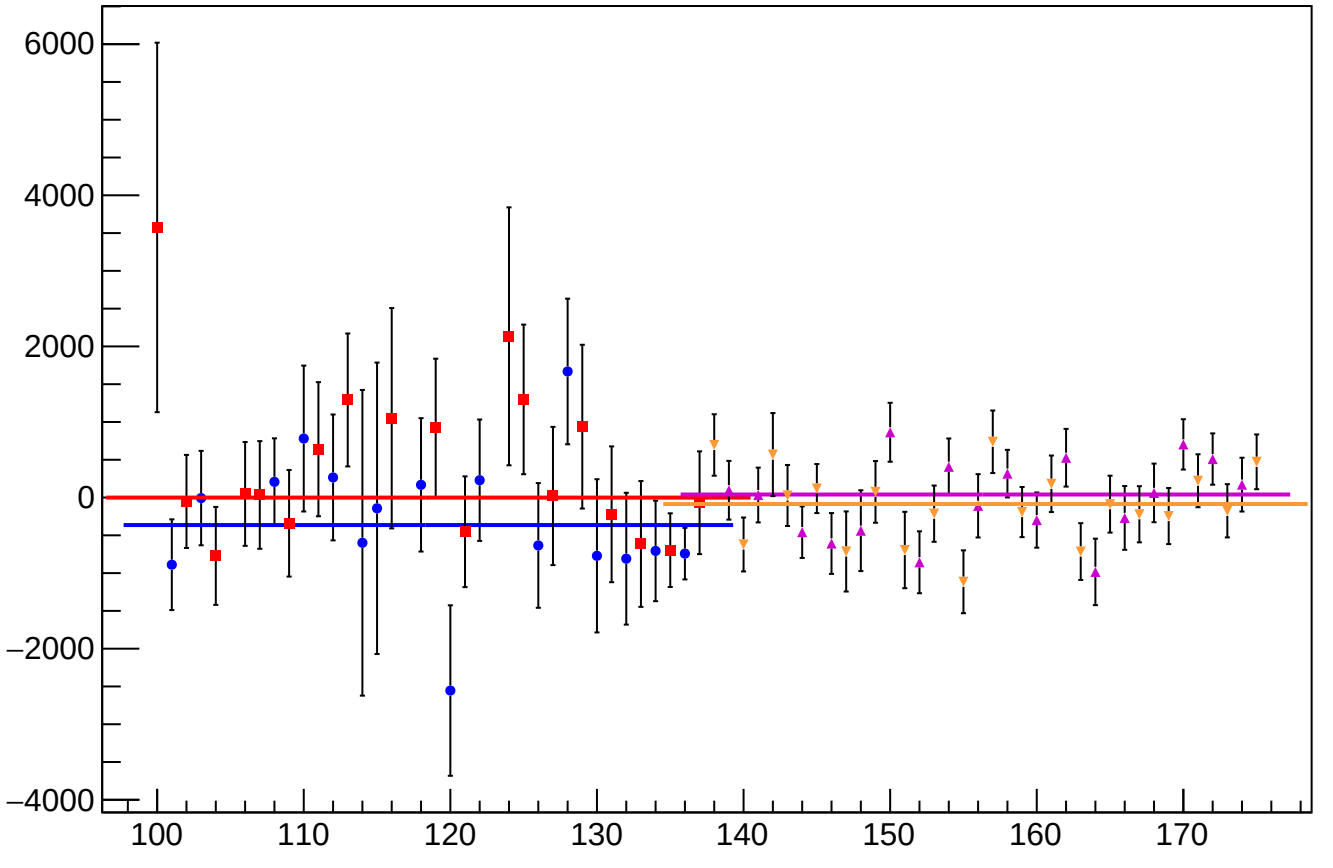
Left: 57.171+/-0.007 χ^2/NDF: 240790.8/37

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.858+/-0.009 χ^2/NDF:515416.0/33

Out: 57.551+/-0.008 χ^2/NDF:542543.3/38

All: 57.700+/-0.006 χ^2/NDF: 1058592.6/72



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -85.673+/-86.432 χ^2/NDF:28.0/19

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 40.259+/-89.341 χ^2/NDF:31.1/17

Left: -24.791+/-62.120 χ^2/NDF: 60.1/37

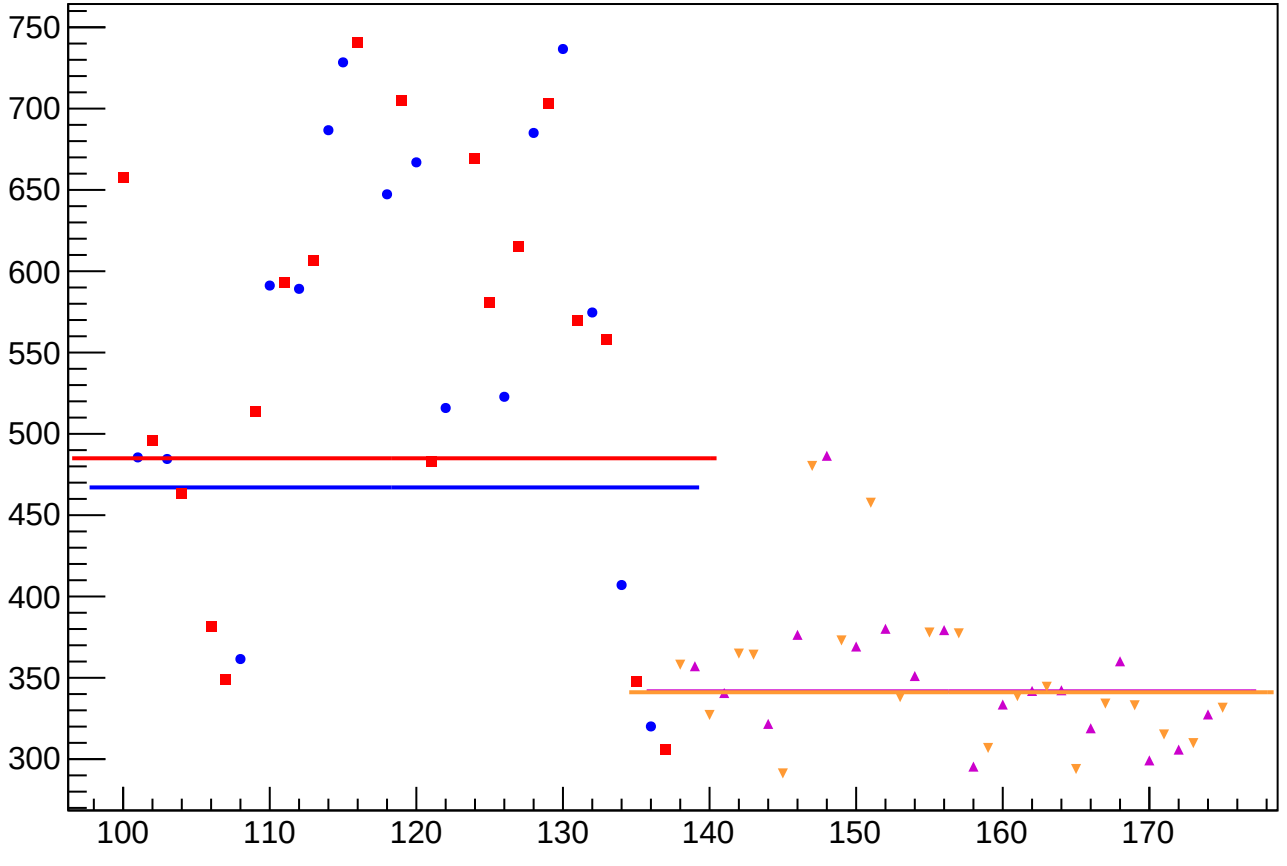
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -39.235+/-80.079 χ^2/NDF:50.4/33

Out: -70.163+/-78.160 χ^2/NDF:43.2/38

All: -55.074+/-55.933 χ^2/NDF: 93.7/72

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.6/19

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 341.704+/-0.063 χ^2/NDF:329095.4/17

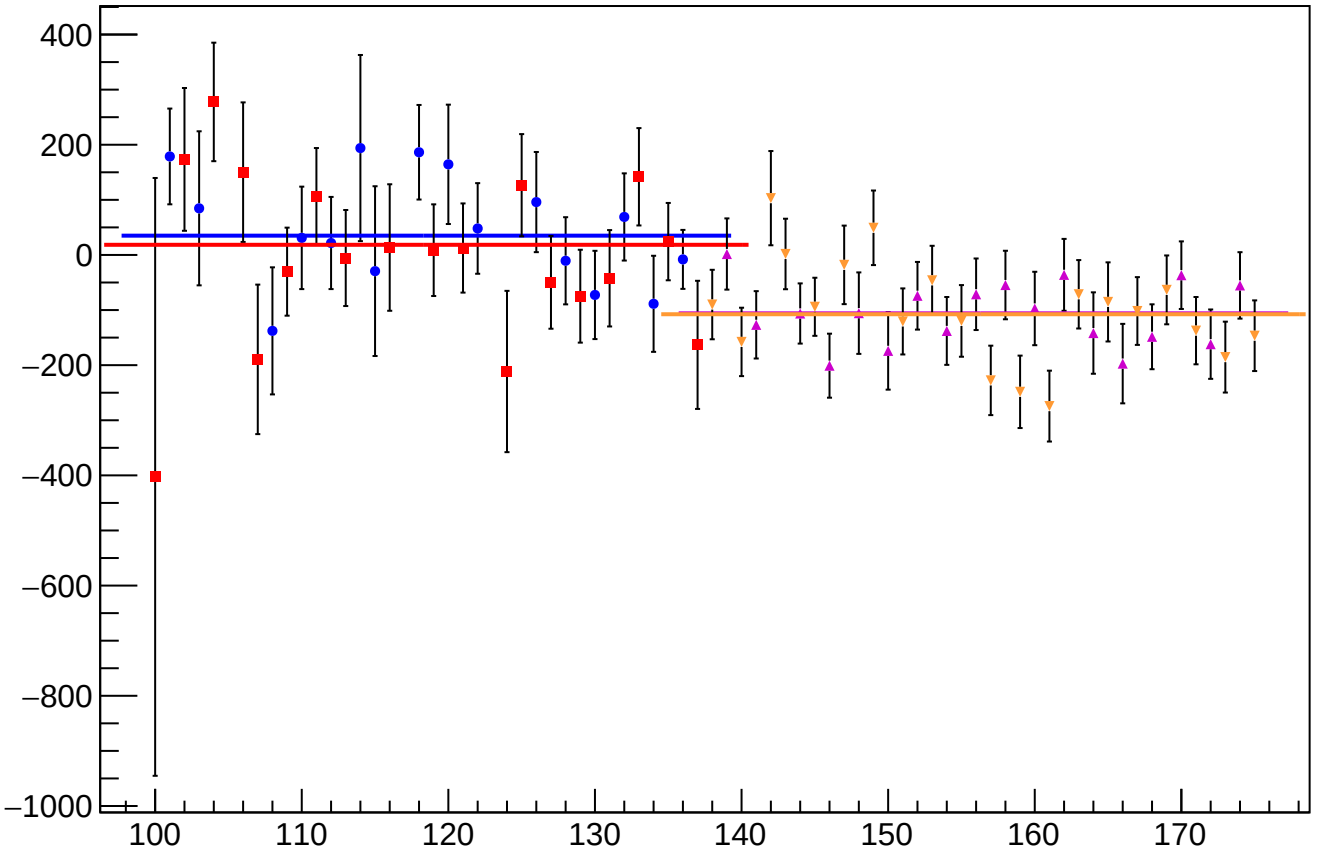
Left: 341.402+/-0.044 χ^2/NDF: 763424.2/37

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 366.351+/-0.057 χ^2/NDF:2133597.4/33

Out: 367.338+/-0.055 χ^2/NDF:2318200.0/38

All: 366.856+/-0.040 χ^2/NDF: 4451952.7/72



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.927+/-14.964 χ^2/NDF:14.3/17

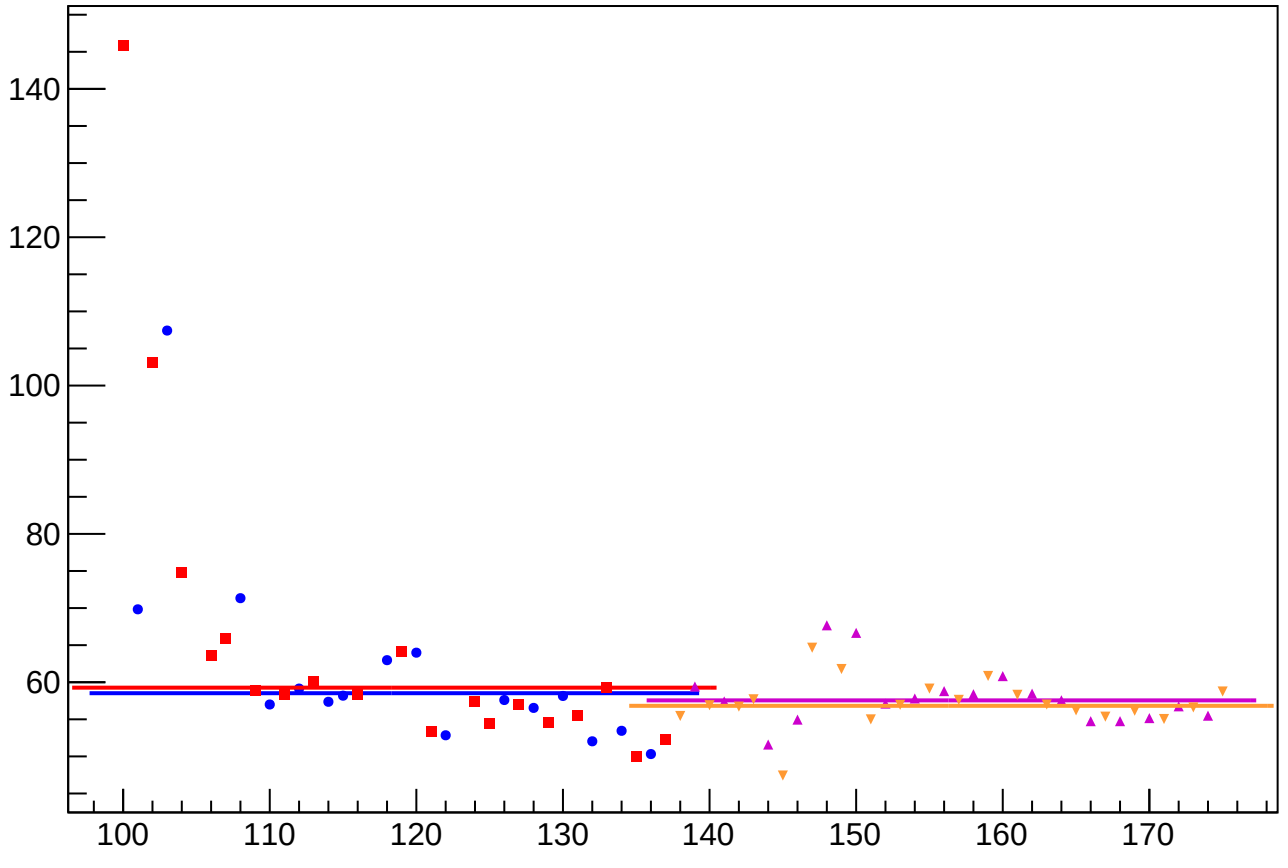
Left: -106.794+/-10.339 χ^2/NDF: 50.1/37

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.717+/-12.397 χ^2/NDF:58.3/33

Out: -70.491+/-12.013 χ^2/NDF:82.0/38

All: -66.242+/-8.627 χ^2/NDF: 140.5/72



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

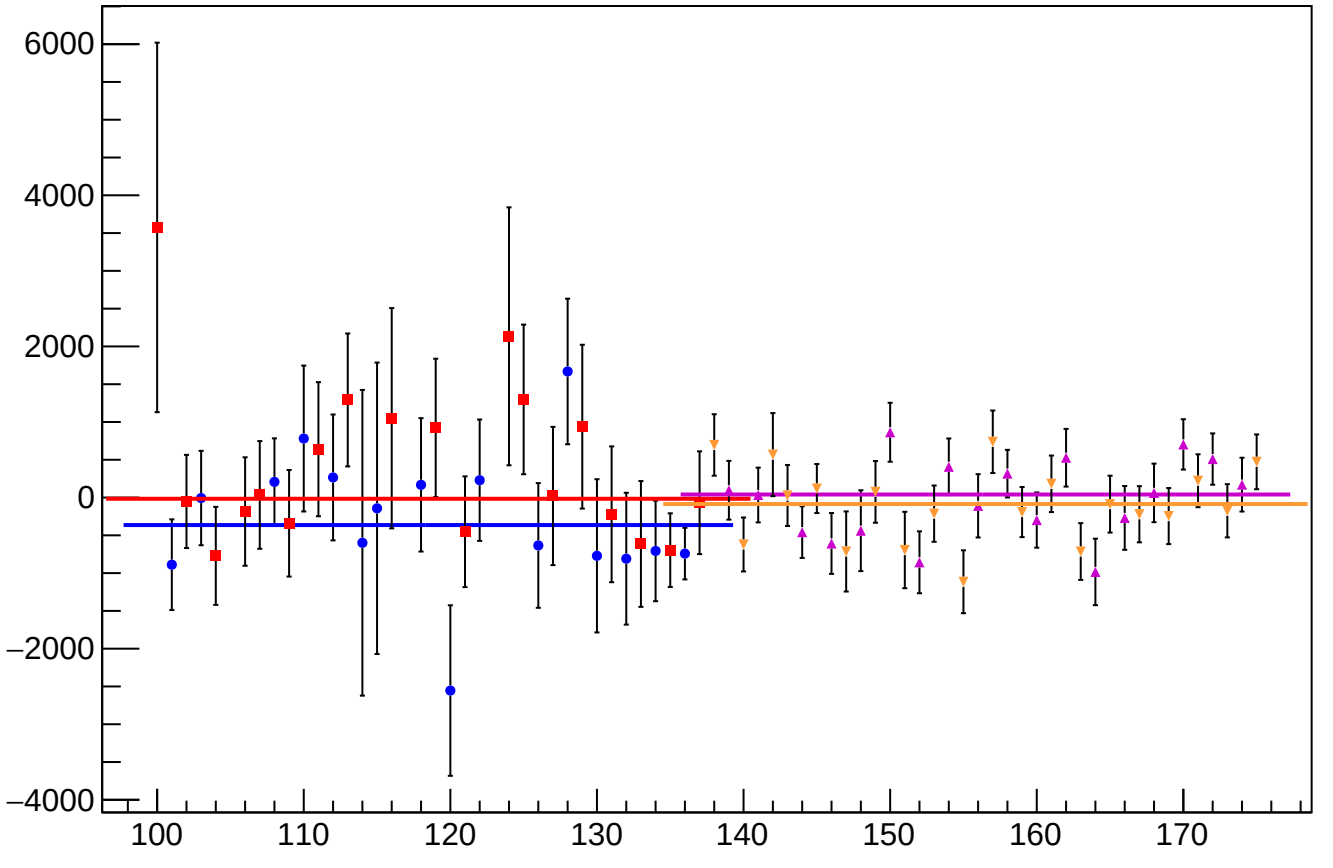
Left: 57.171+/-0.007 χ^2/NDF: 240790.8/37

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.858+/-0.009 χ^2/NDF:515418.1/33

Out: 57.542+/-0.008 χ^2/NDF:541091.9/38

All: 57.695+/-0.006 χ^2/NDF: 1057183.2/72



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -85.674+/-86.432 χ^2/NDF:28.0/19

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 40.259+/-89.341 χ^2/NDF:31.1/17

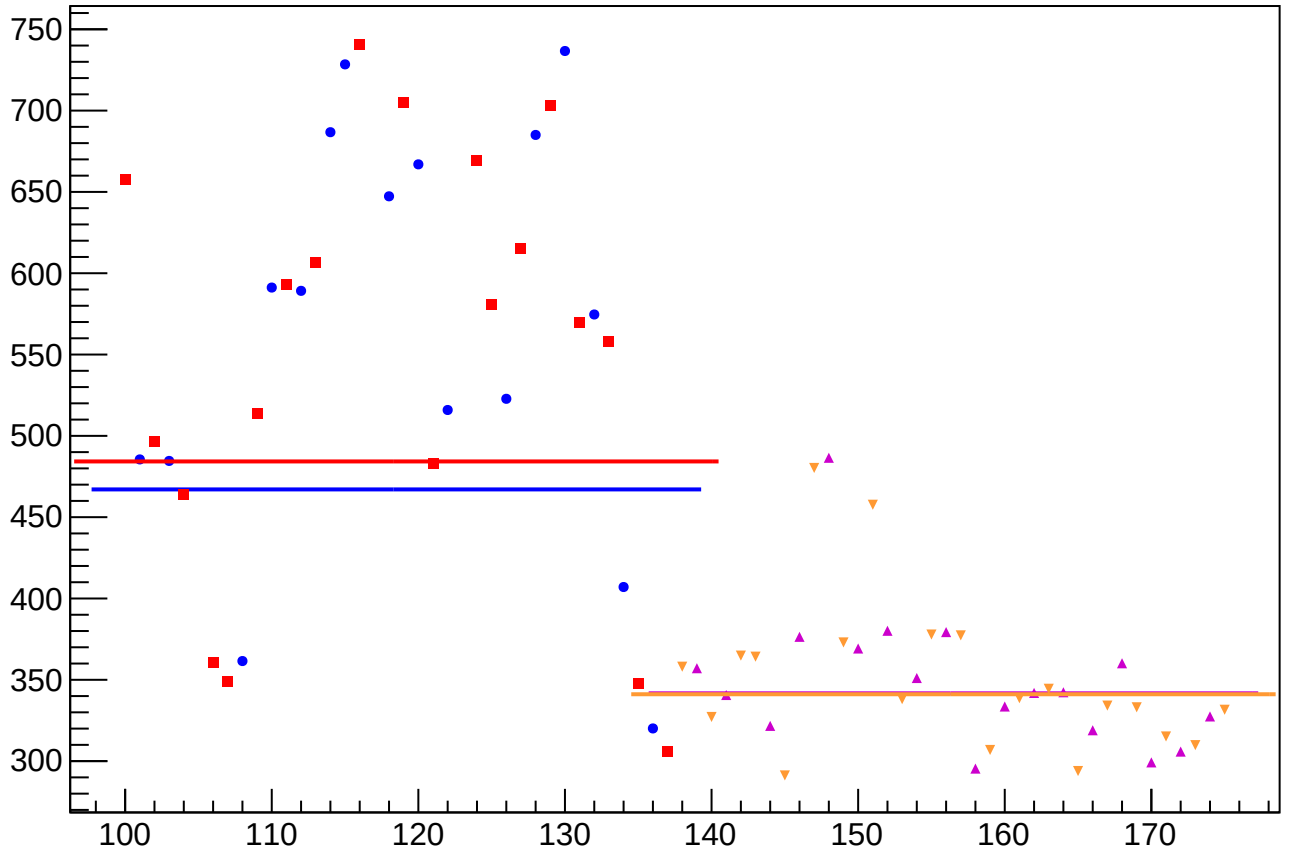
Left: -24.791+/-62.120 χ^2/NDF: 60.1/37

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -39.228+/-80.079 χ^2/NDF:50.4/33

Out: -73.055+/-78.204 χ^2/NDF:43.2/38

All: -56.542+/-55.950 χ^2/NDF: 93.7/72



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

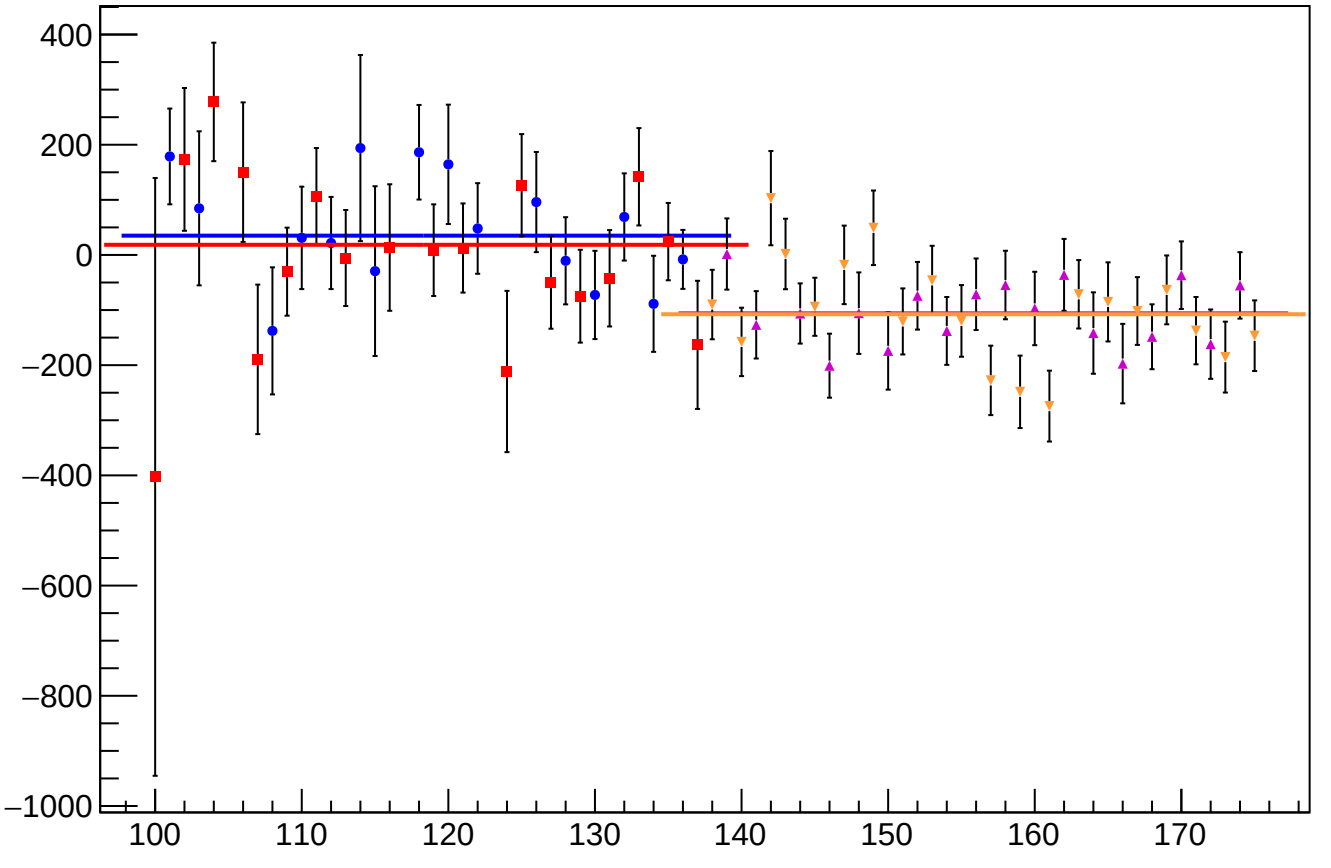
Left: 341.402+/-0.044 χ^2/NDF: 763425.8/37

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 366.352+/-0.057 χ^2/NDF:2133625.7/33

Out: 367.077+/-0.055 χ^2/NDF:2317948.0/38

All: 366.723+/-0.040 χ^2/NDF: 4451657.8/72



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.927+/-14.964 χ^2/NDF:14.3/17

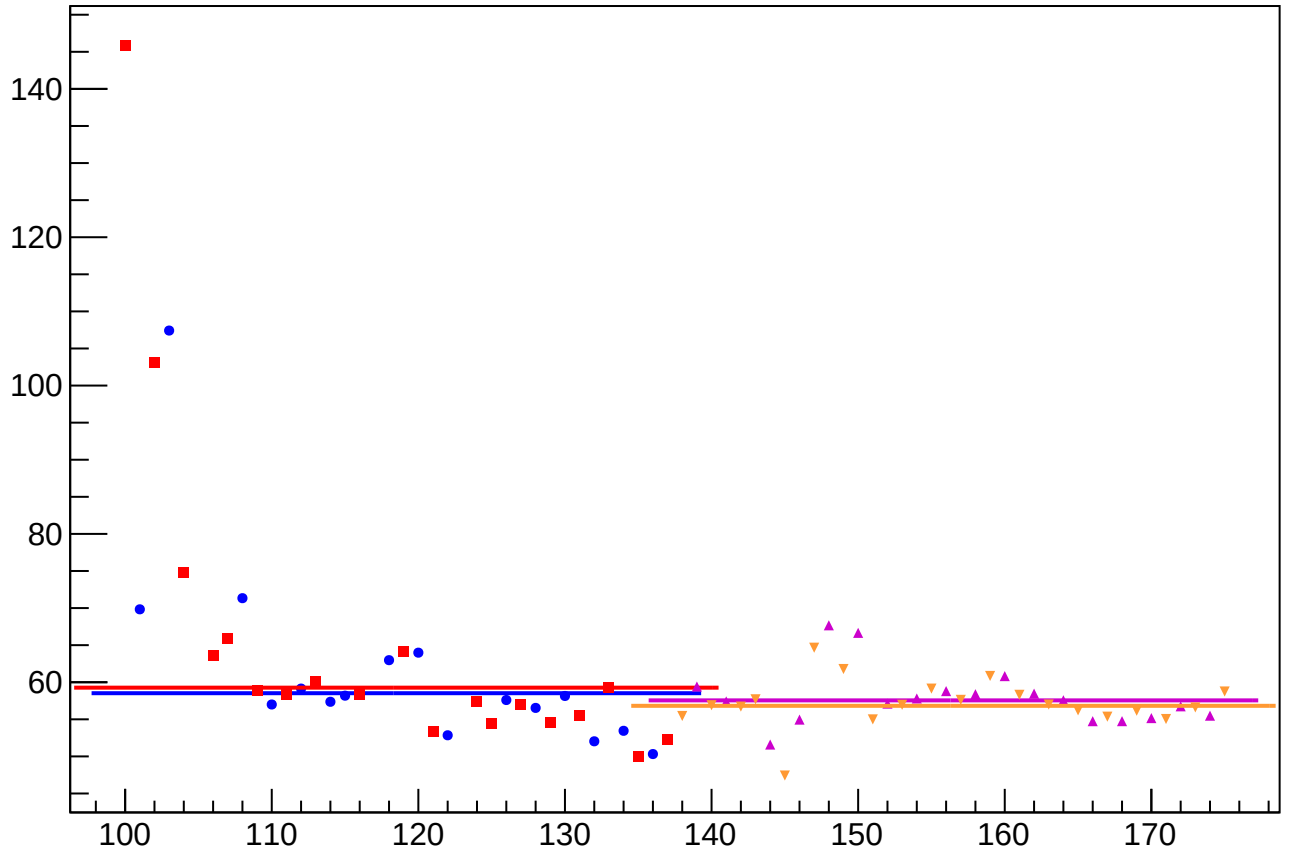
Left: -106.794+/-10.339 χ^2/NDF: 50.1/37

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.717+/-12.397 χ^2/NDF:58.3/33

Out: -70.491+/-12.013 χ^2/NDF:82.0/38

All: -66.242+/-8.627 χ^2/NDF: 140.5/72



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

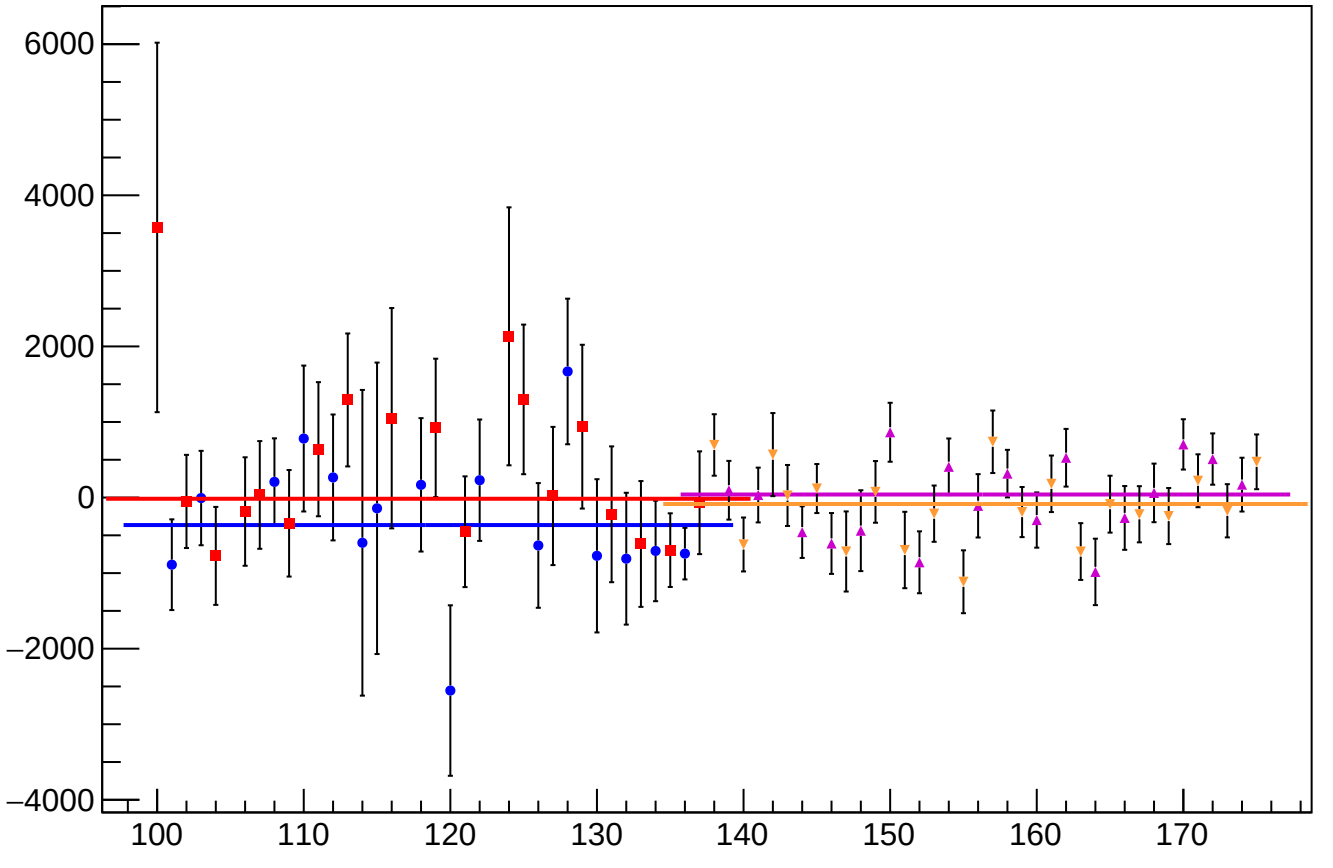
Left: 57.171+/-0.007 χ^2/NDF: 240790.8/37

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

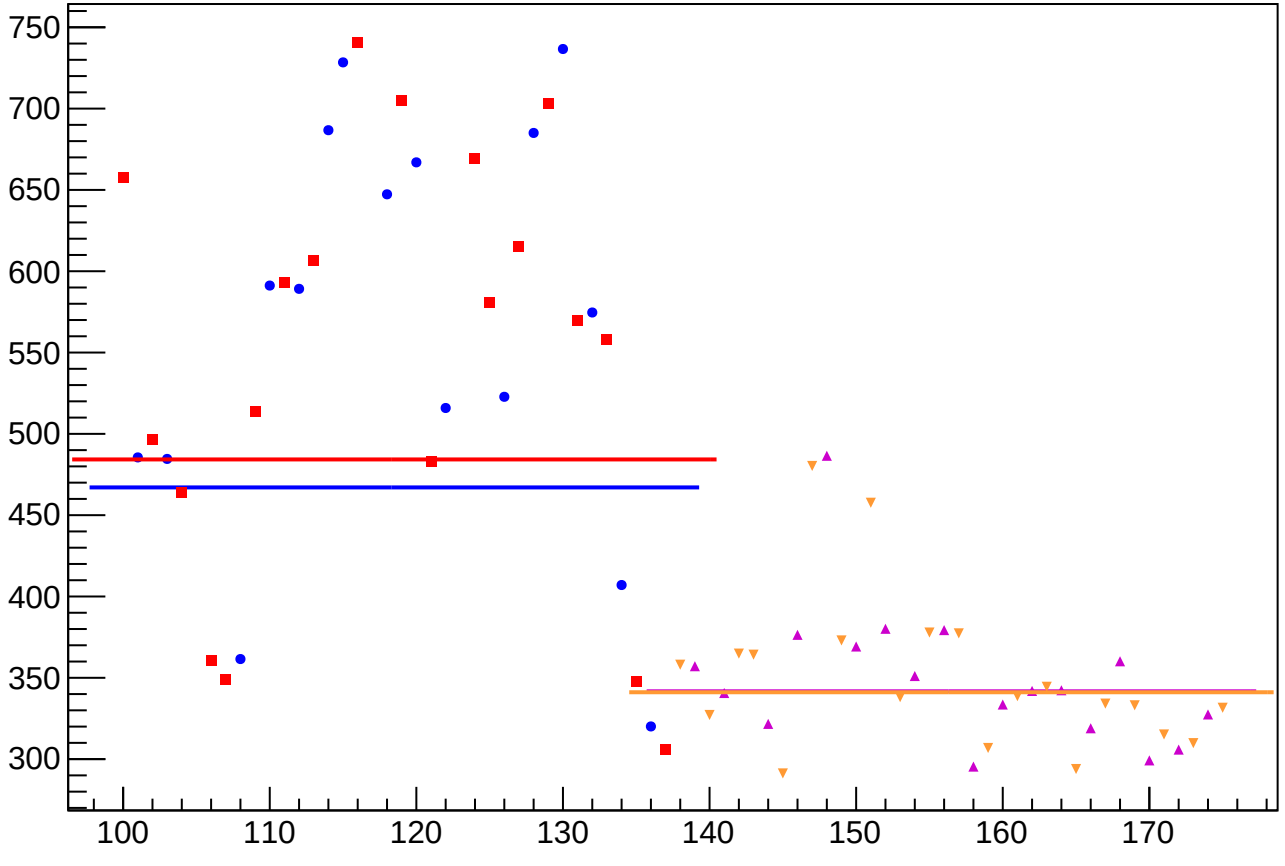
In: 57.858+/-0.009 χ^2/NDF:515418.1/33

Out: 57.542+/-0.008 χ^2/NDF:541091.9/38

All: 57.695+/-0.006 χ^2/NDF: 1057183.2/72


asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -364.040+/-180.602 χ²/NDF: 15.2/15
Left Out: -85.674+/-86.432 χ²/NDF:28.0/19
Right Out: -16.087+/-183.650 χ²/NDF: 15.1/18
Left In: 40.259+/-89.341 χ²/NDF:31.1/17
Left: -24.791+/-62.120 χ²/NDF: 60.1/37
Right: -192.975+/-128.769 χ²/NDF: 32.2/34
In: -39.228+/-80.079 χ²/NDF:50.4/33
Out: -73.055+/-78.204 χ²/NDF:43.2/38
All: -56.542+/-55.950 χ²/NDF: 93.7/72

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

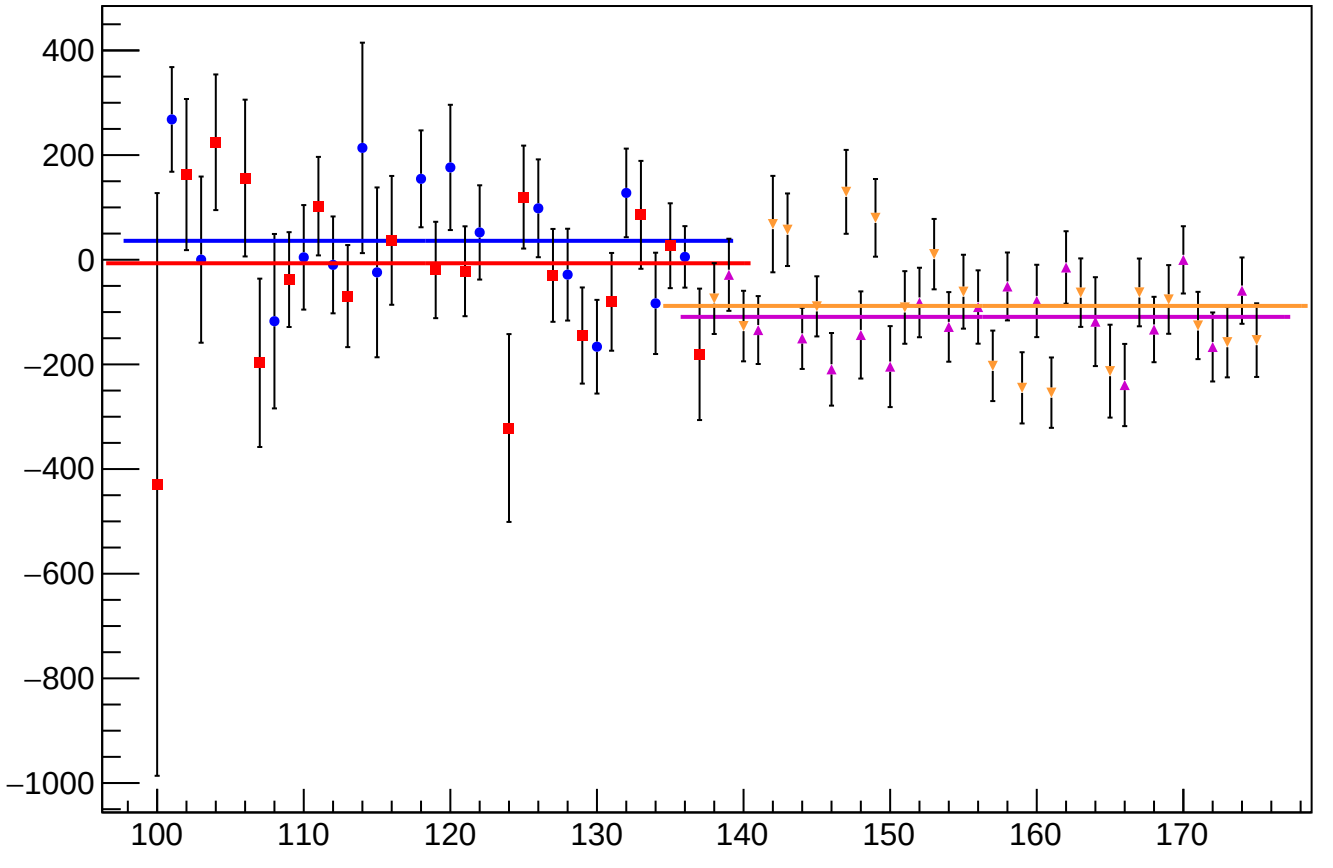
Left: 341.402+/-0.044 χ^2/NDF: 763425.8/37

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 366.352+/-0.057 χ^2/NDF:2133625.7/33

Out: 367.077+/-0.055 χ^2/NDF:2317948.0/38

All: 366.723+/-0.040 χ^2/NDF: 4451657.8/72



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.223+/-15.454 χ^2/NDF:41.3/19

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -109.187+/-16.119 χ^2/NDF:16.1/17

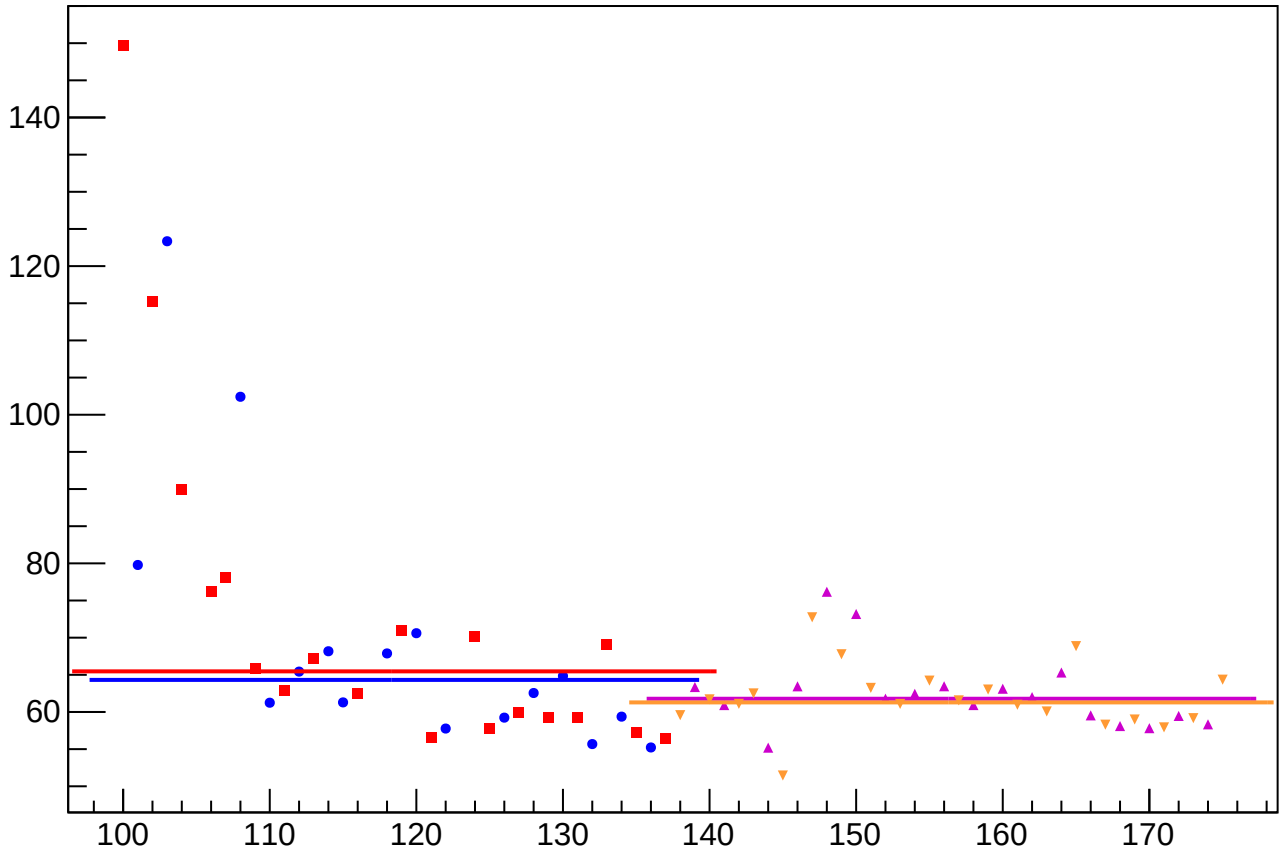
Left: -98.263+/-11.155 χ^2/NDF: 58.4/37

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.206+/-13.461 χ^2/NDF:60.4/33

Out: -65.116+/-13.081 χ^2/NDF:69.6/38

All: -65.160+/-9.381 χ^2/NDF: 130.0/72



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.288+/-0.011 χ^2/NDF:156318.8/19

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 61.780+/-0.011 χ^2/NDF:161551.3/17

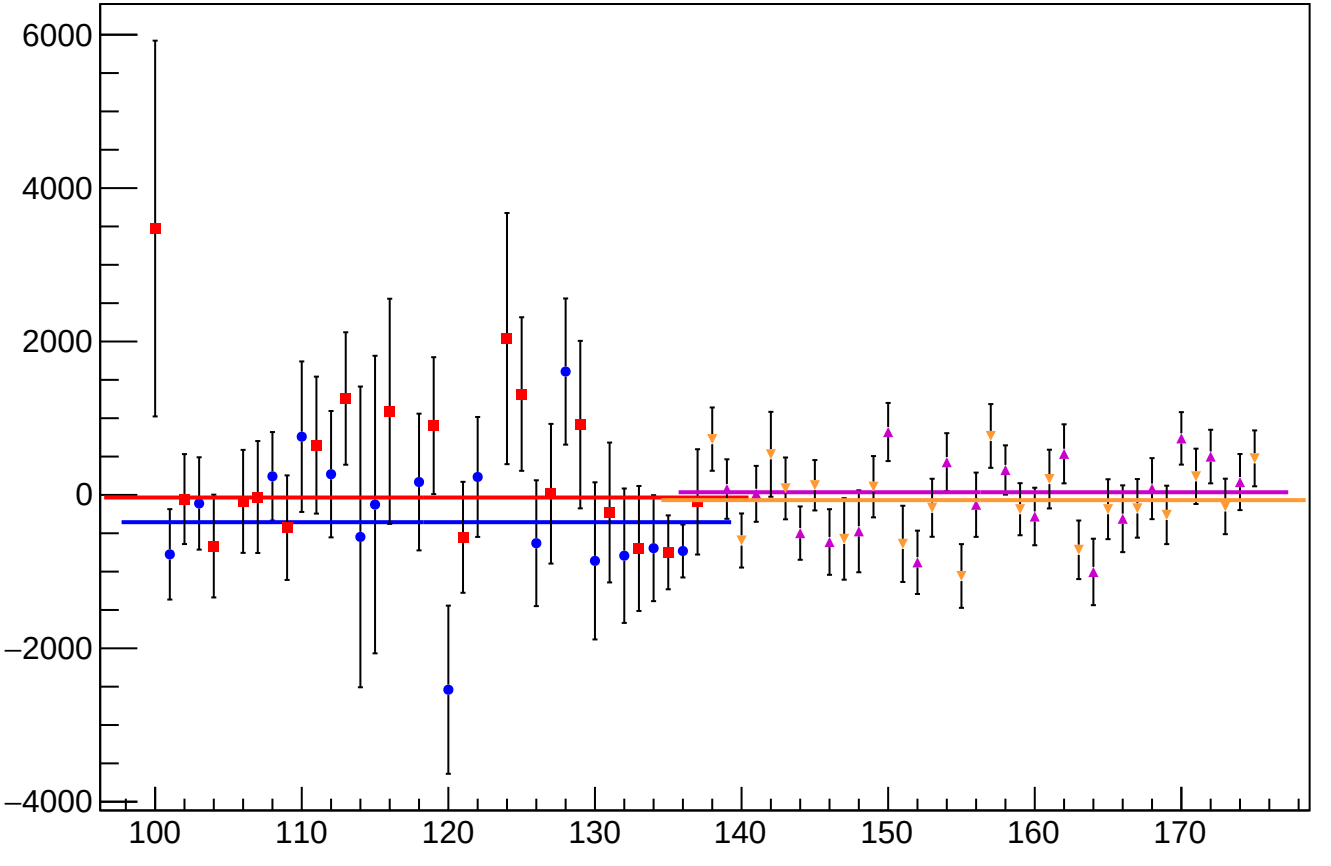
Left: 61.524+/-0.008 χ^2/NDF: 318840.2/37

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.547+/-0.010 χ^2/NDF:708600.5/33

Out: 62.473+/-0.009 χ^2/NDF:680128.6/38

All: 62.509+/-0.007 χ^2/NDF: 1388760.7/72



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 34.868+/-90.677 χ^2/NDF:31.7/17

Left: -18.467+/-62.971 χ^2/NDF: 59.2/37

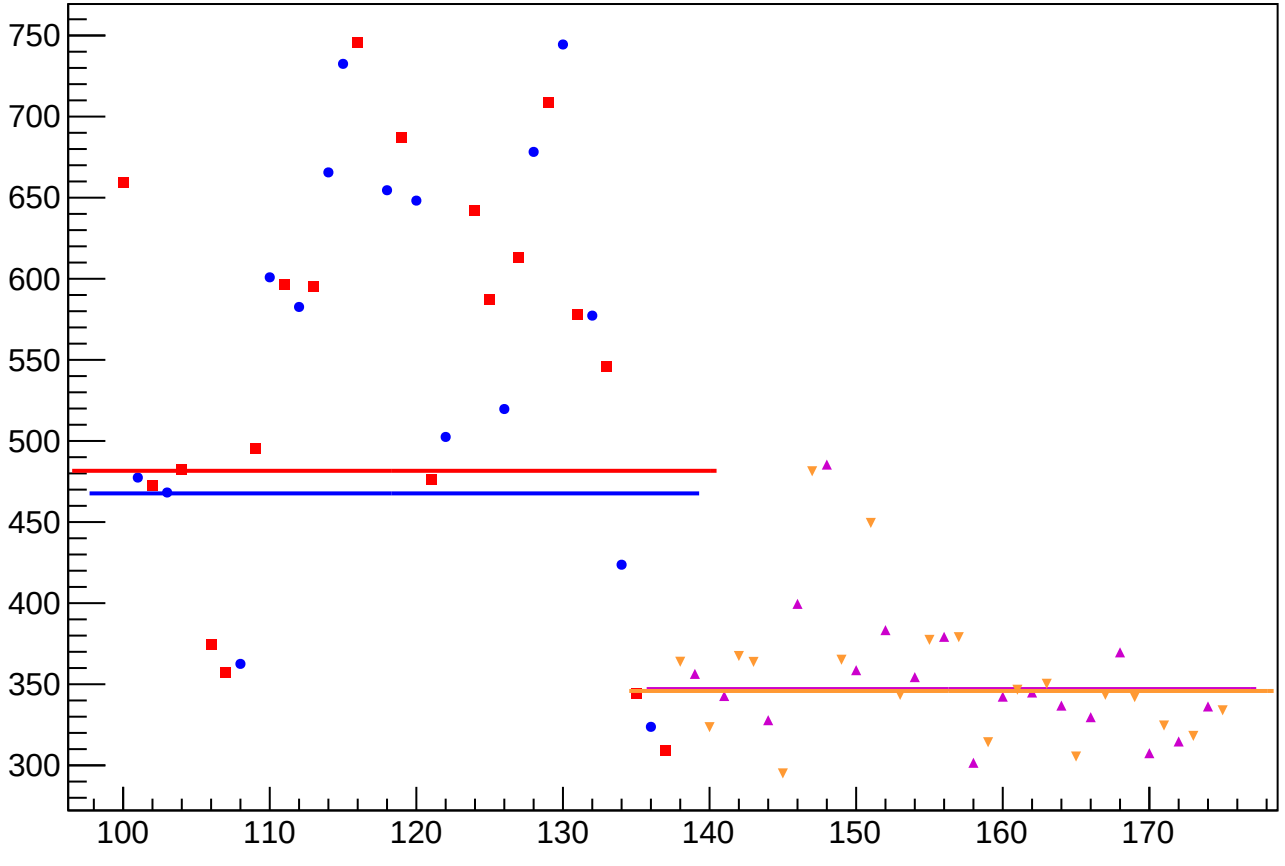
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -43.918+/-81.012 χ^2/NDF:50.3/33

Out: -61.669+/-78.835 χ^2/NDF:42.2/38

All: -53.035+/-56.499 χ^2/NDF: 92.5/72

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 345.858+/-0.062 χ^2/NDF:372713.4/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 347.034+/-0.064 χ^2/NDF:298605.6/17

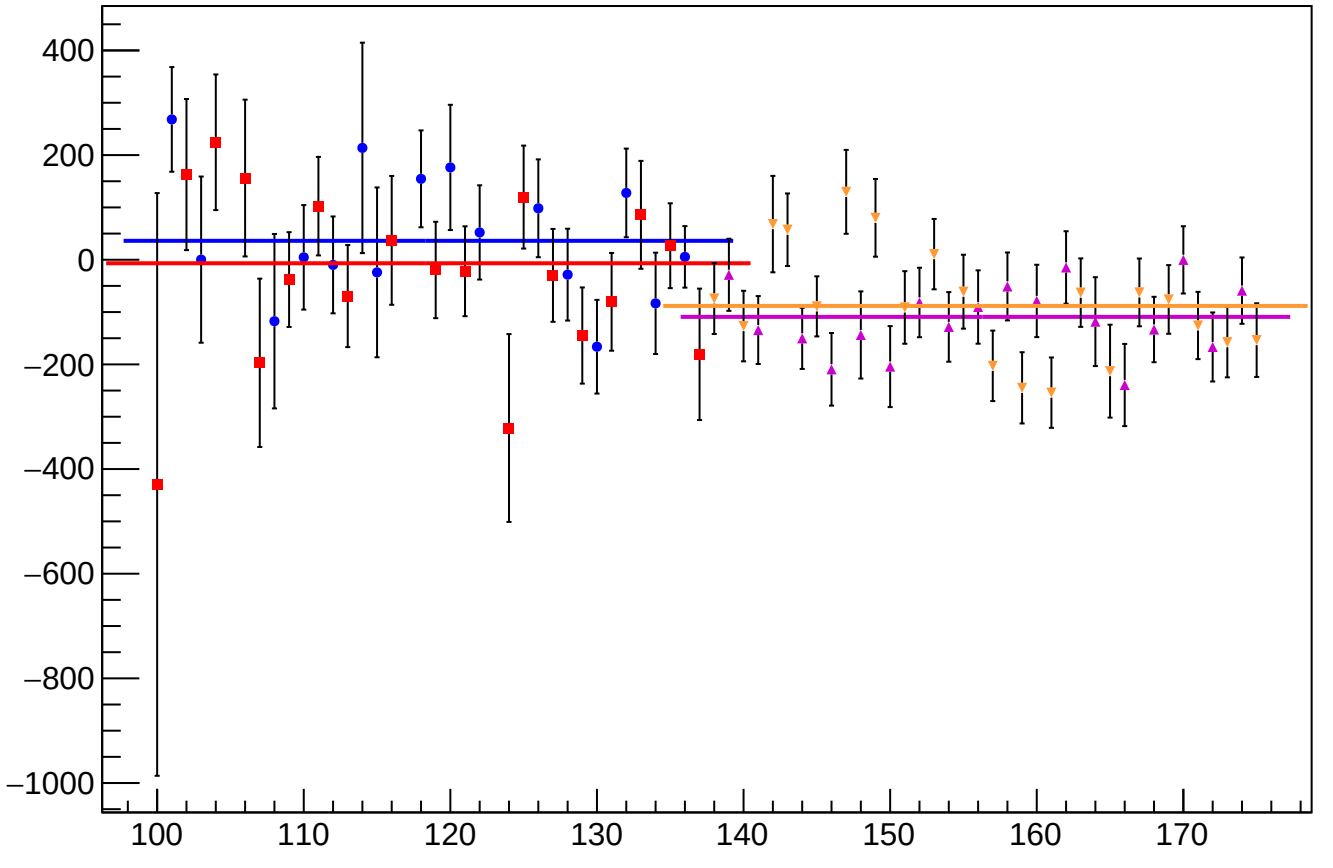
Left: 346.425+/-0.045 χ^2/NDF: 671493.2/37

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 371.381+/-0.057 χ^2/NDF:1998981.0/33

Out: 371.450+/-0.056 χ^2/NDF:2134145.7/38

All: 371.416+/-0.040 χ^2/NDF: 4133127.5/72



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.222+/-15.454 χ^2/NDF:41.3/19

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -109.187+/-16.119 χ^2/NDF:16.1/17

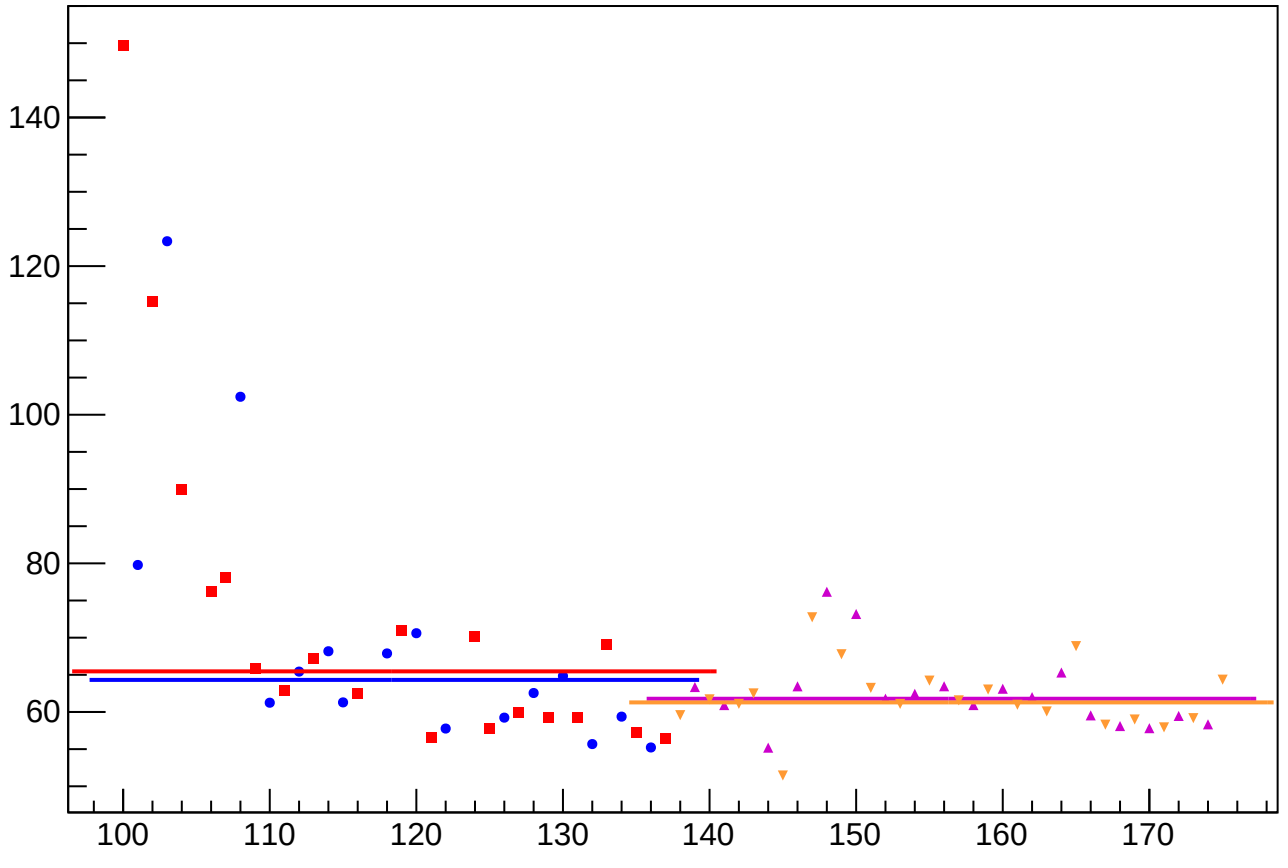
Left: -98.263+/-11.155 χ^2/NDF: 58.4/37

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.206+/-13.461 χ^2/NDF:60.4/33

Out: -65.116+/-13.081 χ^2/NDF:69.6/38

All: -65.160+/-9.381 χ^2/NDF: 130.0/72



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.288+/-0.011 χ^2/NDF:156322.9/19

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.780+/-0.011 χ^2/NDF:161554.1/17

Left: 61.524+/-0.008 χ^2/NDF: 318847.2/37

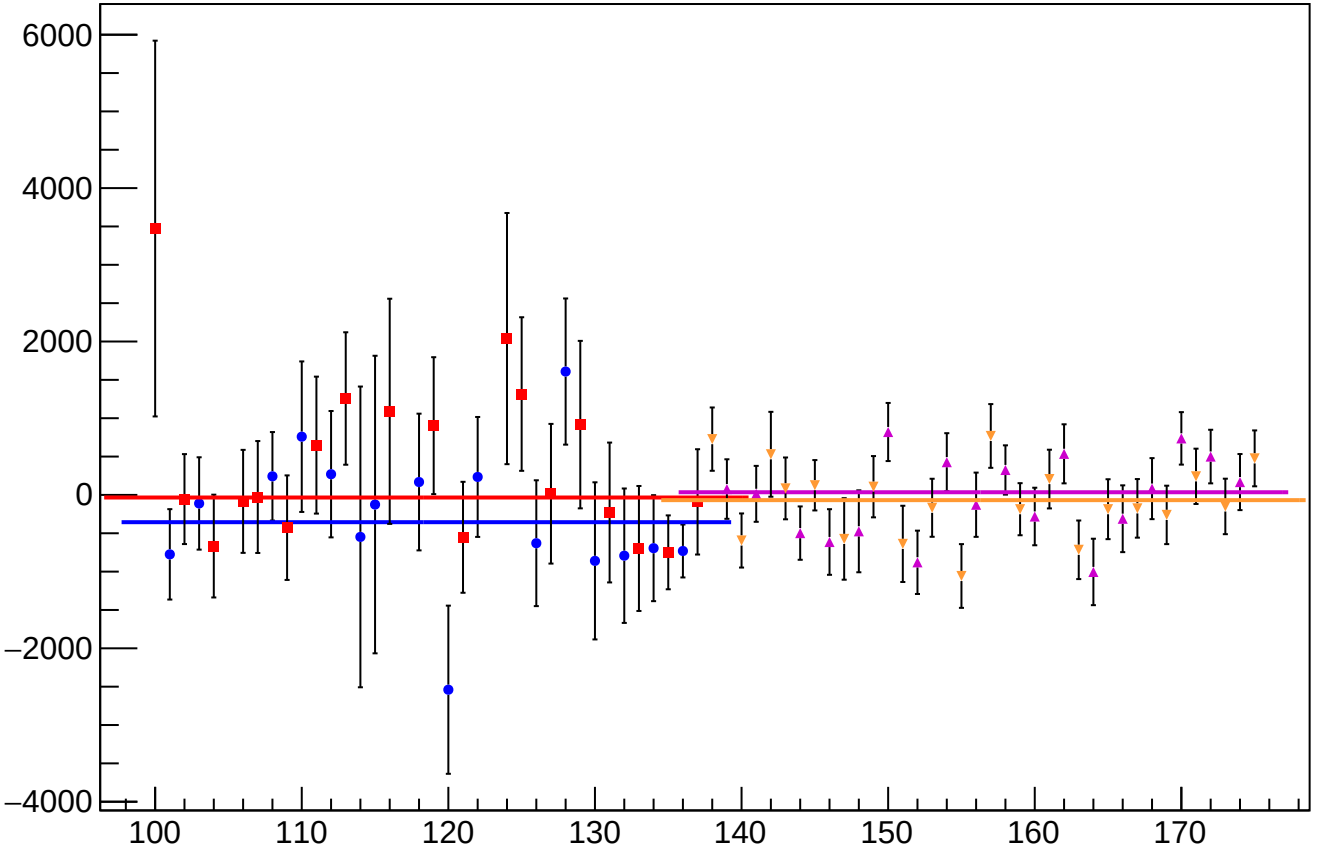
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.547+/-0.010 χ^2/NDF:708609.9/33

Out: 62.473+/-0.009 χ^2/NDF:680136.1/38

All: 62.509+/-0.007 χ^2/NDF: 1388777.7/72

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 34.868+/-90.677 χ^2/NDF:31.7/17

Left: -18.467+/-62.971 χ^2/NDF: 59.2/37

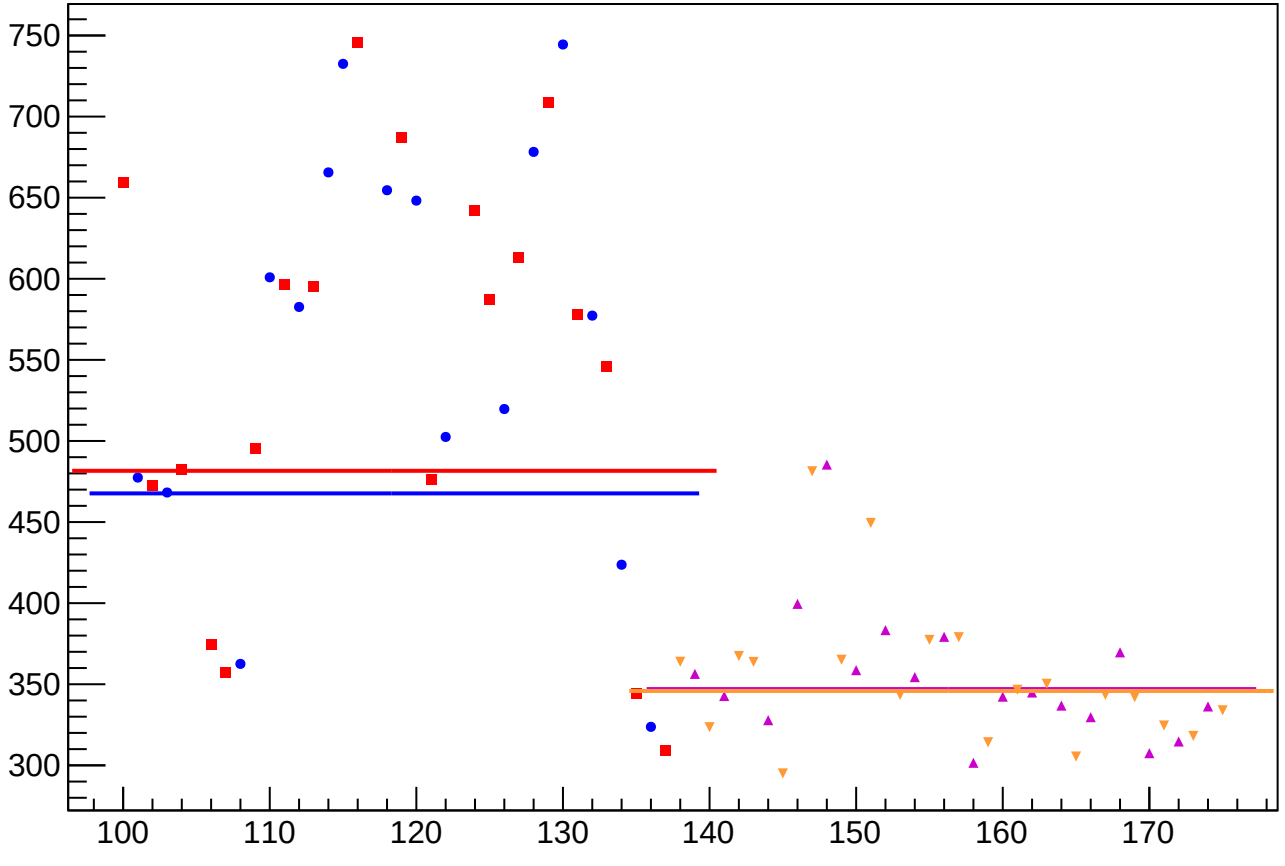
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -43.918+/-81.012 χ^2/NDF:50.3/33

Out: -61.669+/-78.835 χ^2/NDF:42.2/38

All: -53.035+/-56.499 χ^2/NDF: 92.5/72

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 345.858+/-0.062 χ^2/NDF:372712.6/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 347.035+/-0.064 χ^2/NDF:298606.0/17

Left: 346.425+/-0.045 χ^2/NDF: 671492.9/37

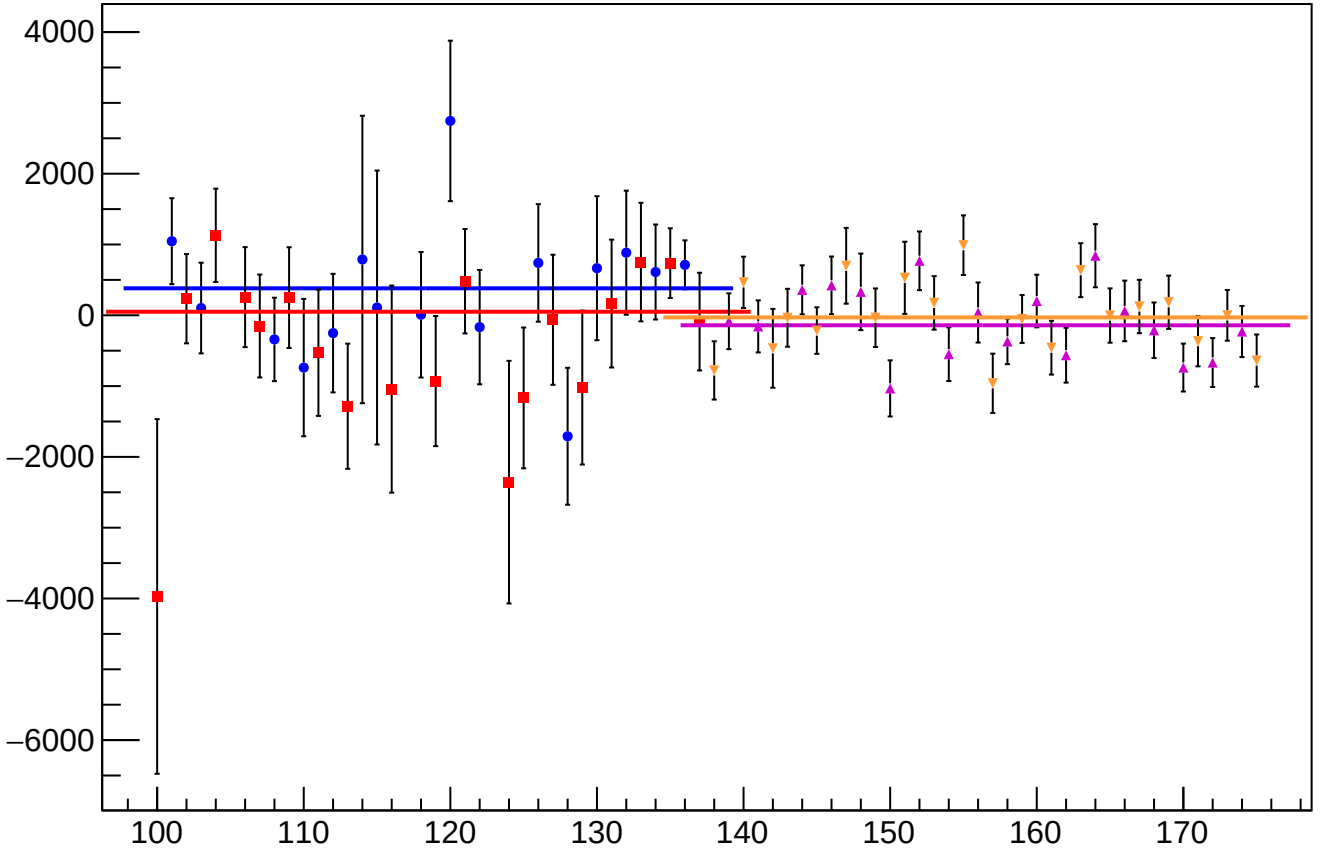
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 371.381+/-0.057 χ^2/NDF:1998975.6/33

Out: 371.450+/-0.056 χ^2/NDF:2134135.2/38

All: 371.416+/-0.040 χ^2/NDF: 4133111.6/72

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -29.624+/-87.672 χ^2/NDF:28.8/19

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -141.119+/-90.641 χ^2/NDF:29.2/17

Left: -83.516+/-63.017 χ^2/NDF: 58.7/37

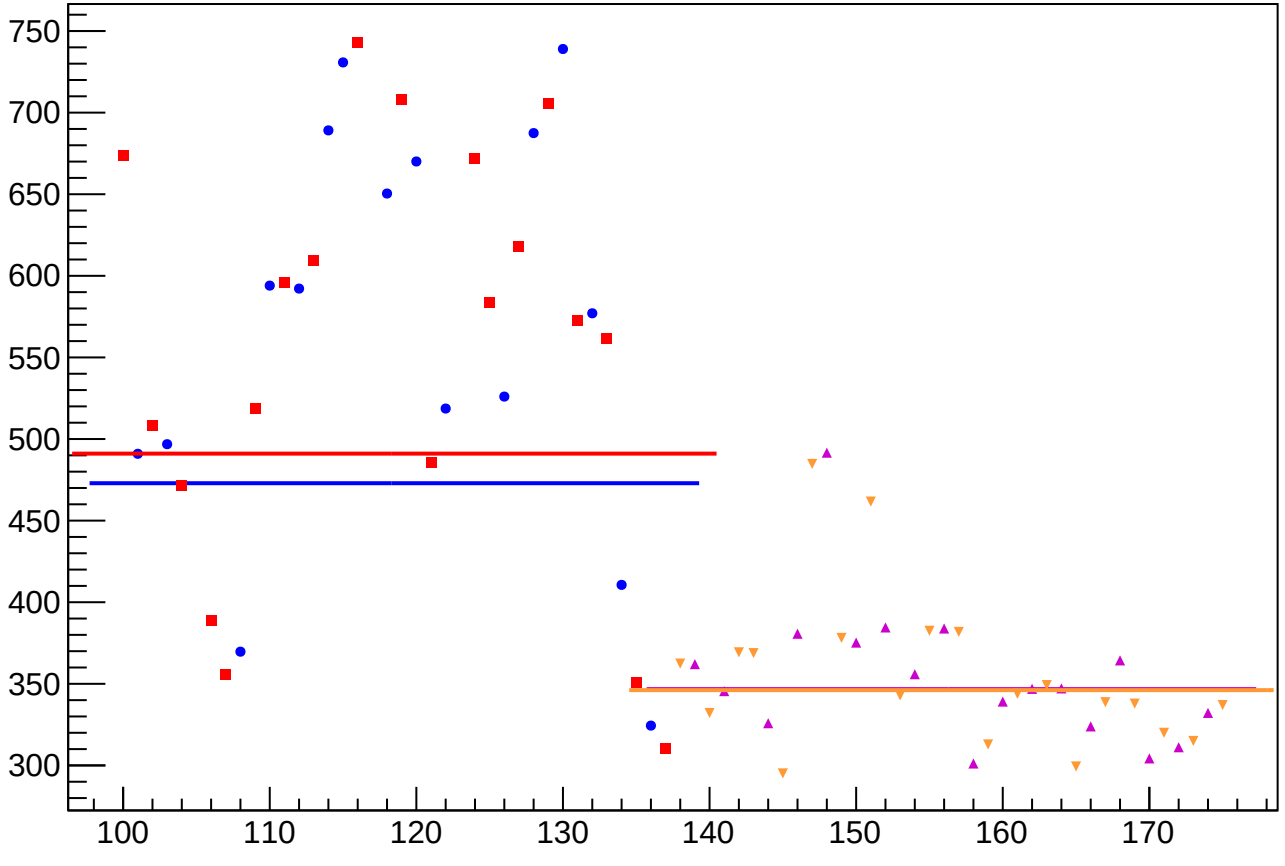
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -37.933+/-81.194 χ^2/NDF:51.9/33

Out: -14.983+/-79.246 χ^2/NDF:46.4/38

All: -26.180+/-56.712 χ^2/NDF: 98.3/72

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.125+/-0.062 χ^2/NDF:420759.2/19

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.772+/-0.064 χ^2/NDF:318345.2/17

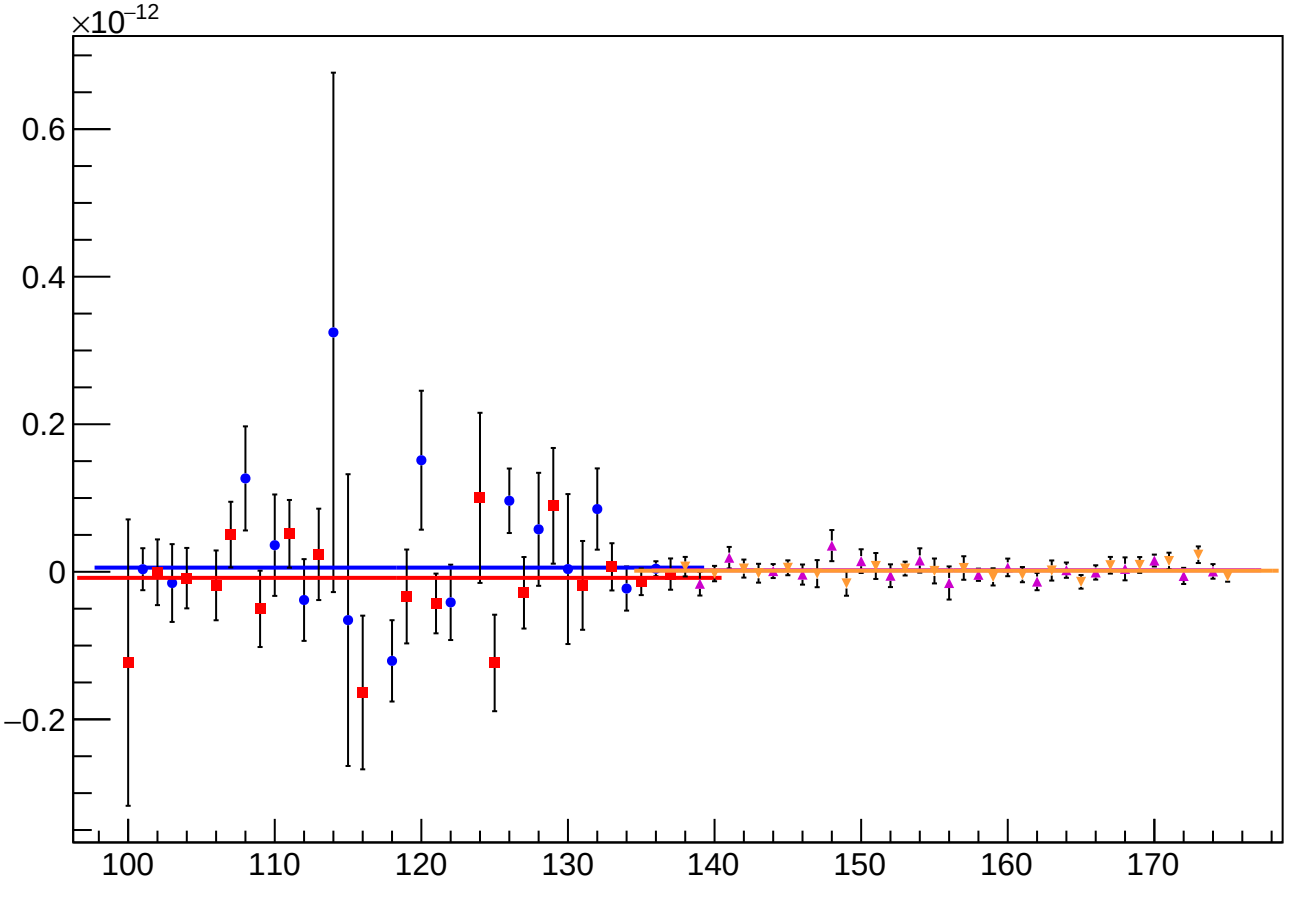
Left: 346.438+/-0.045 χ^2/NDF: 739157.2/37

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 371.700+/-0.057 χ^2/NDF:2084119.3/33

Out: 372.645+/-0.056 χ^2/NDF:2268388.0/38

All: 372.184+/-0.040 χ^2/NDF: 4352646.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/17

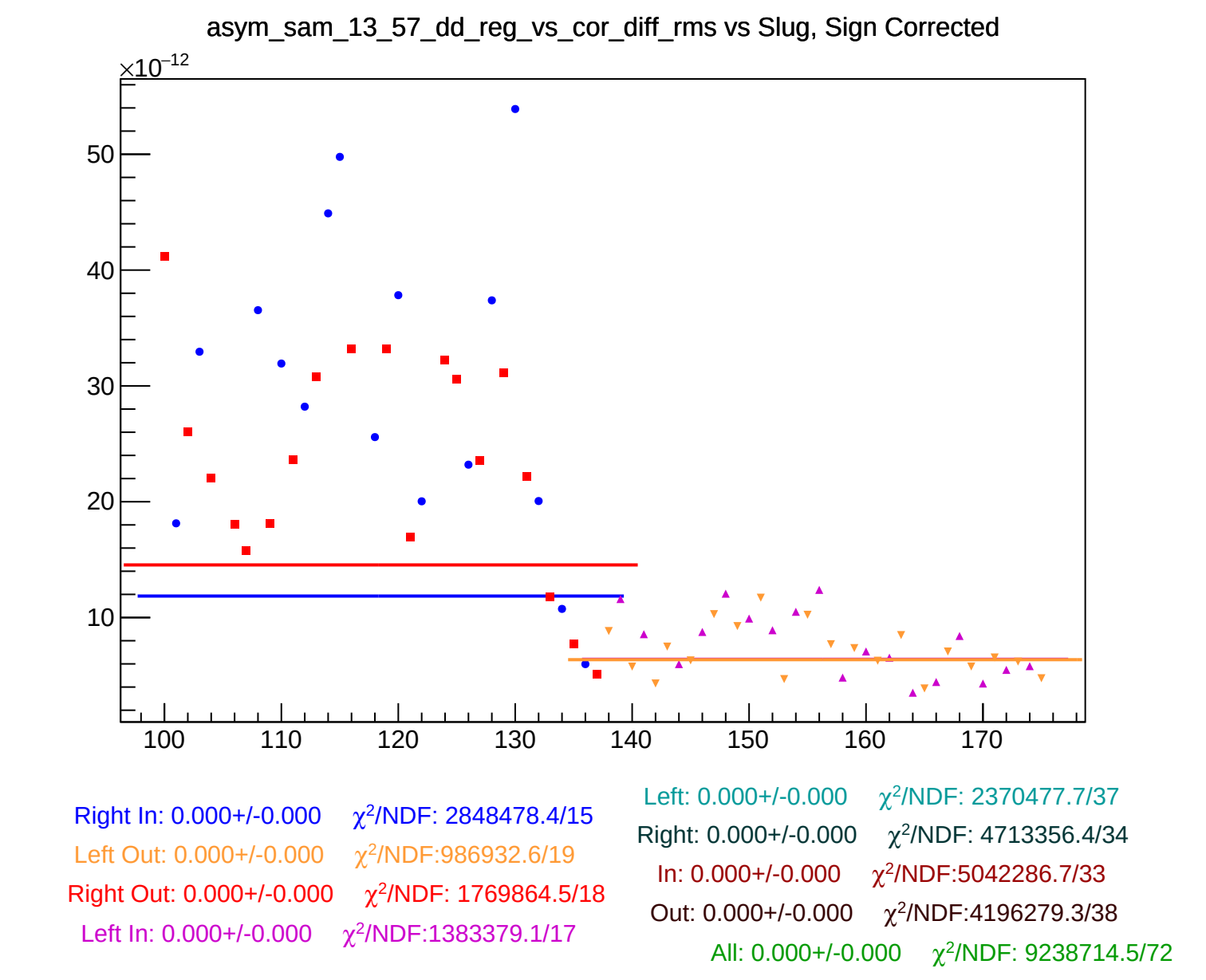
Left: 0.000+/-0.000 χ^2/NDF: 25.6/37

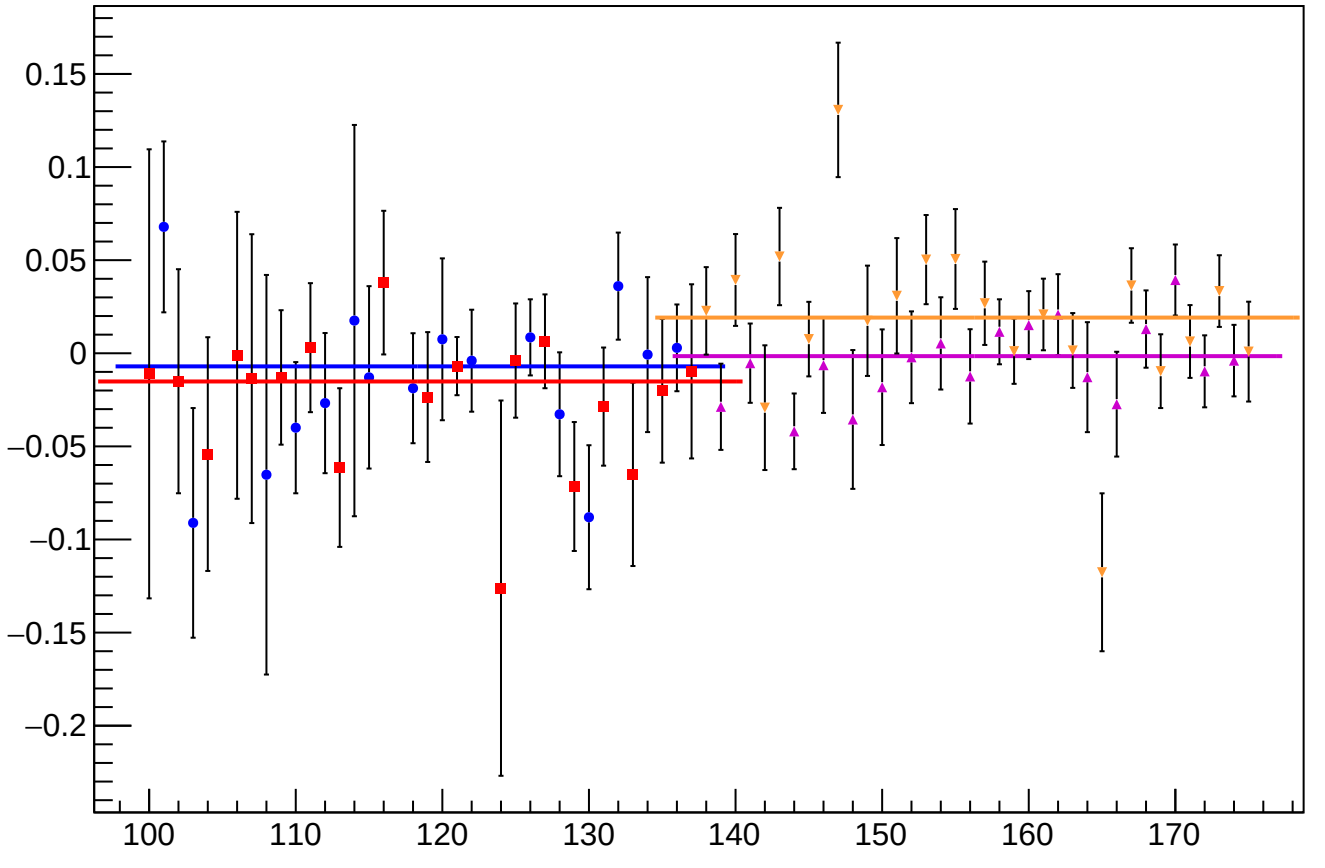
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.4/33

Out: 0.000+/-0.000 χ^2/NDF:27.5/38

All: 0.000+/-0.000 χ^2/NDF: 62.1/72


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:986932.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1383379.1/17
Left: 0.000+/-0.000 χ²/NDF: 2370477.7/37
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5042286.7/33
Out: 0.000+/-0.000 χ²/NDF:4196279.3/38
All: 0.000+/-0.000 χ²/NDF: 9238714.5/72



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

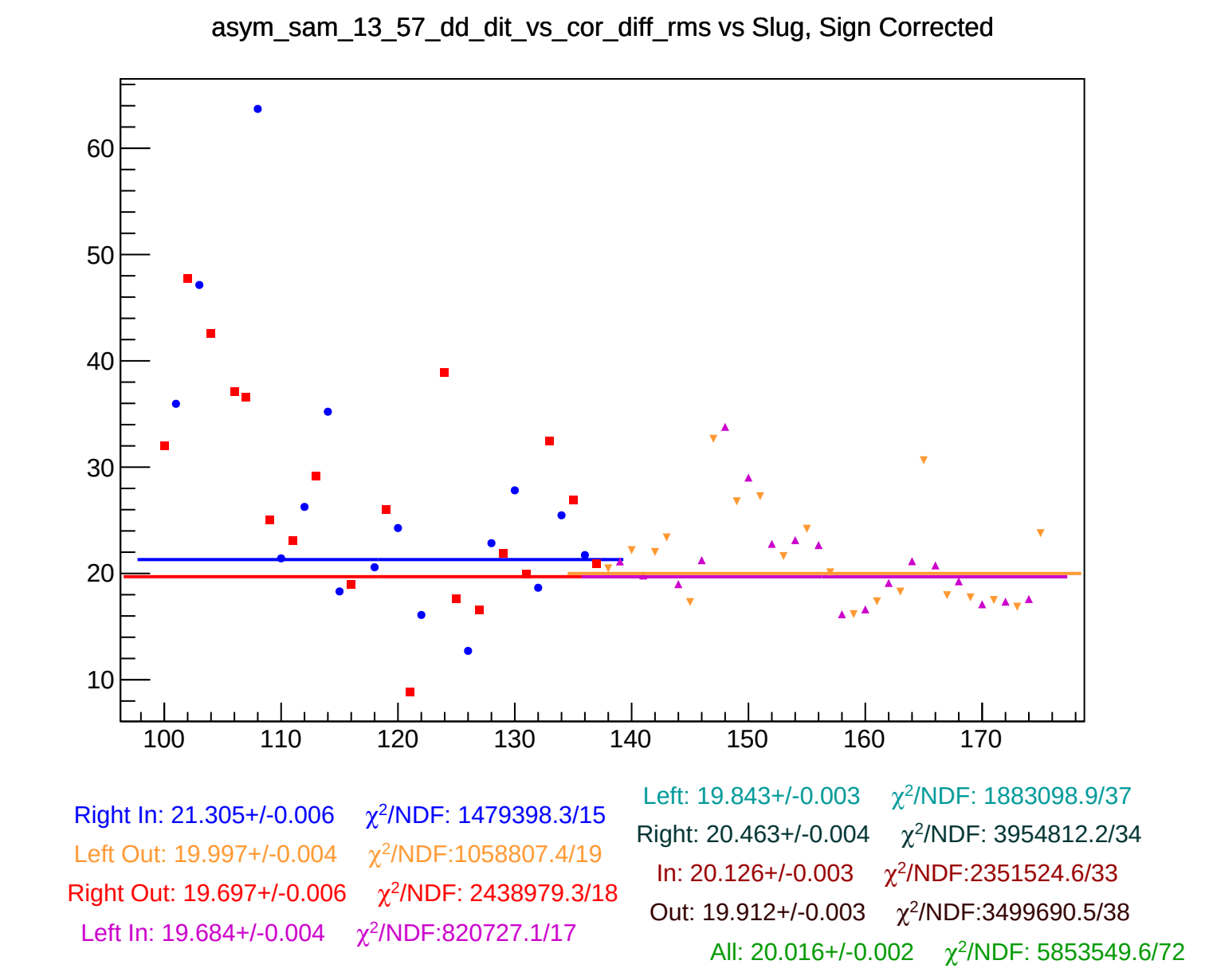
Left: 0.009+/-0.004 χ^2/NDF: 57.4/37

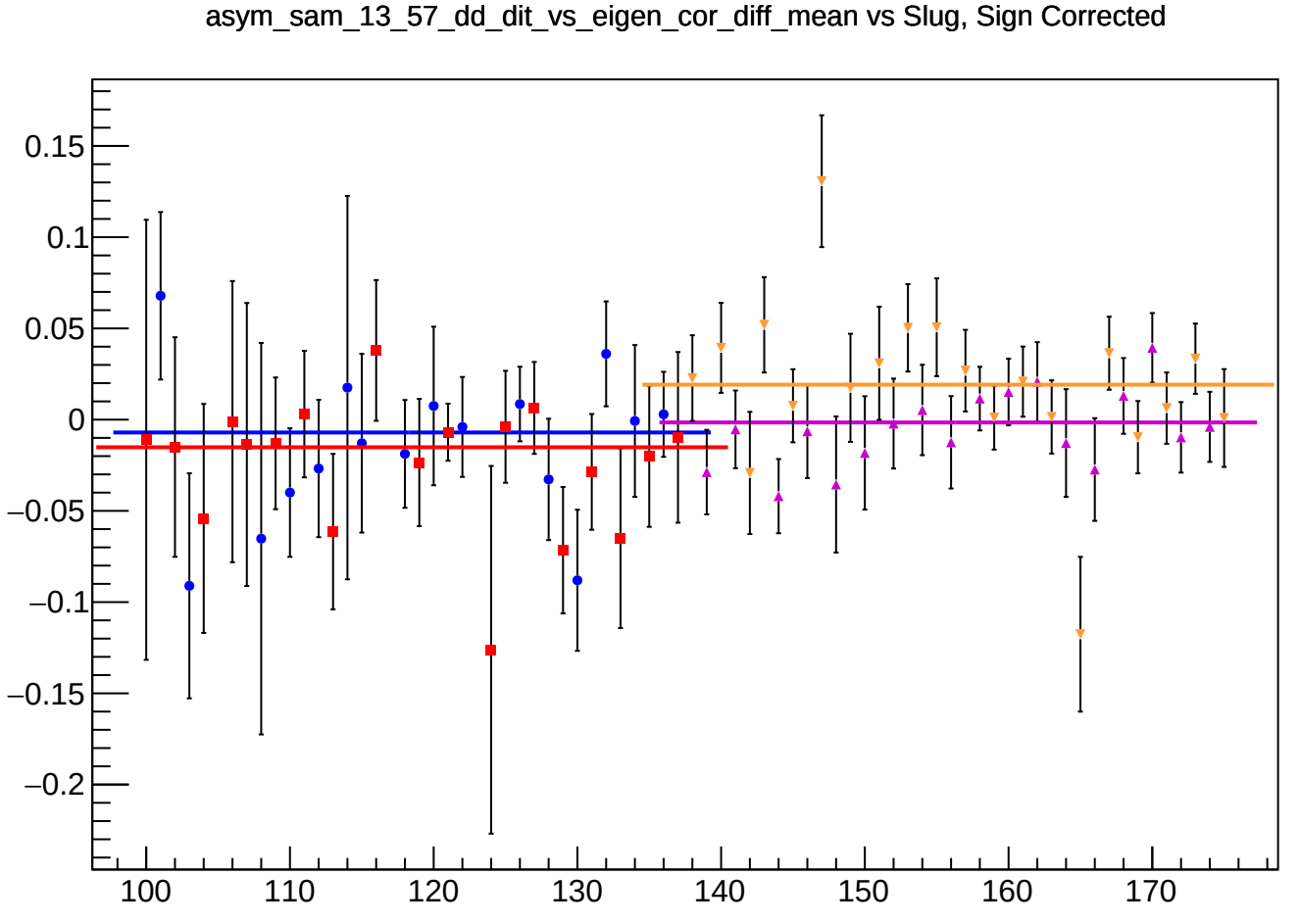
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.009+/-0.004 χ^2/NDF:56.6/38

All: 0.003+/-0.003 χ^2/NDF: 90.7/72


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 19.997+/-0.004 χ²/NDF:1058807.4/19
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 19.684+/-0.004 χ²/NDF:820727.1/17
Left: 19.843+/-0.003 χ²/NDF: 1883098.9/37
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.126+/-0.003 χ²/NDF:2351524.6/33
Out: 19.912+/-0.003 χ²/NDF:3499690.5/38
All: 20.016+/-0.002 χ²/NDF: 5853549.6/72



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

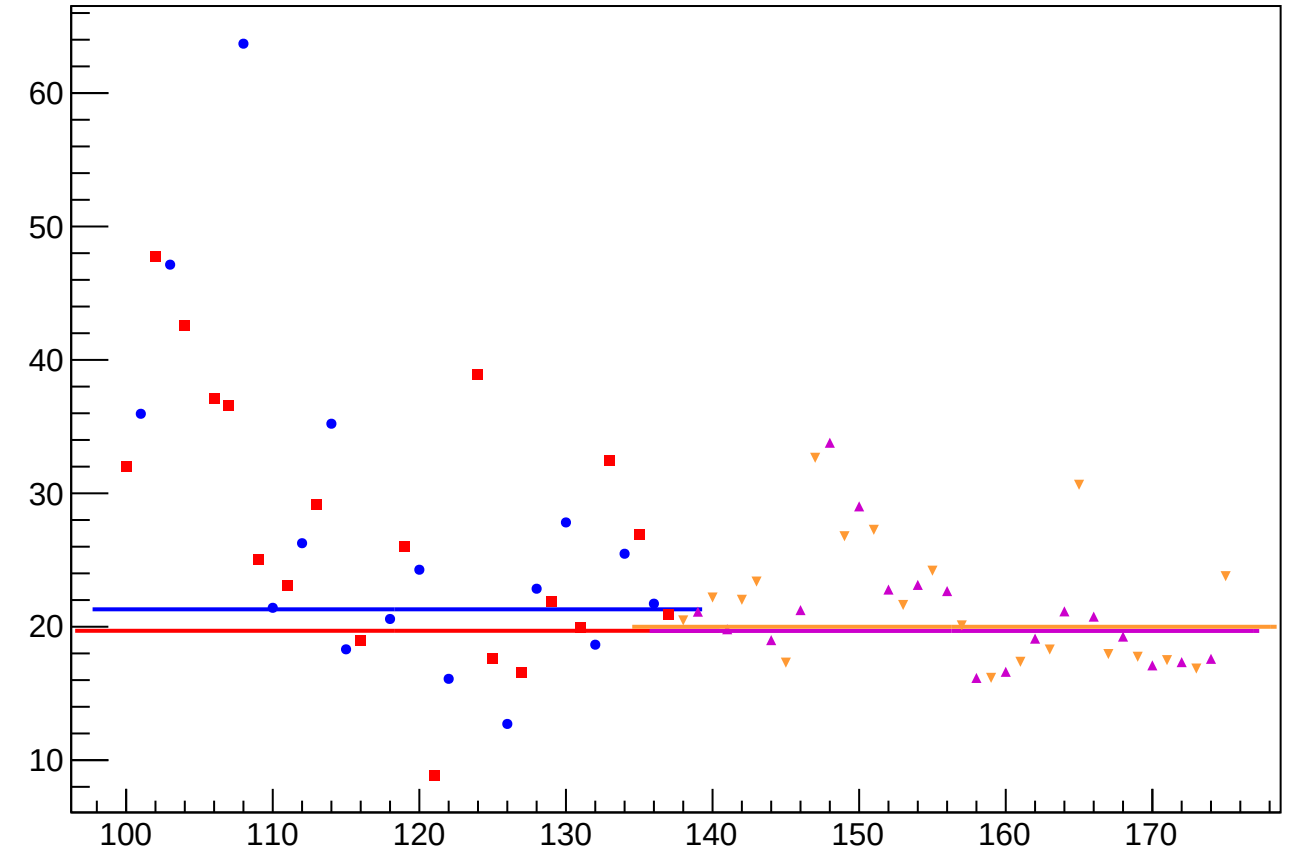
Left: 0.009+/-0.004 χ^2/NDF: 57.4/37

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.009+/-0.004 χ^2/NDF:56.6/38

All: 0.003+/-0.003 χ^2/NDF: 90.7/72



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058807.4/19

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.684+/-0.004 χ^2/NDF:820727.1/17

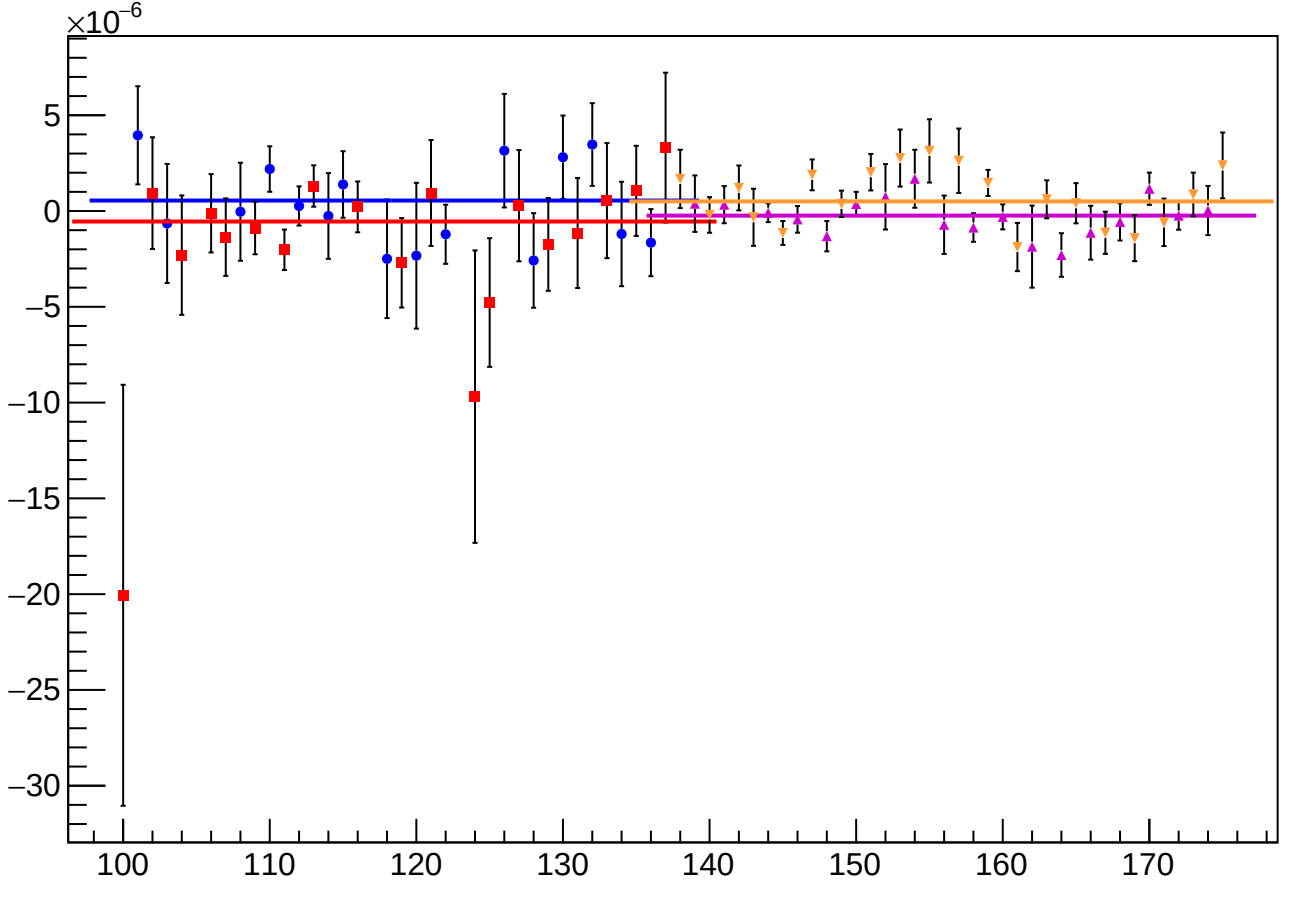
Left: 19.843+/-0.003 χ^2/NDF: 1883098.9/37

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.126+/-0.003 χ^2/NDF:2351524.6/33

Out: 19.912+/-0.003 χ^2/NDF:3499690.5/38

All: 20.016+/-0.002 χ^2/NDF: 5853549.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/17

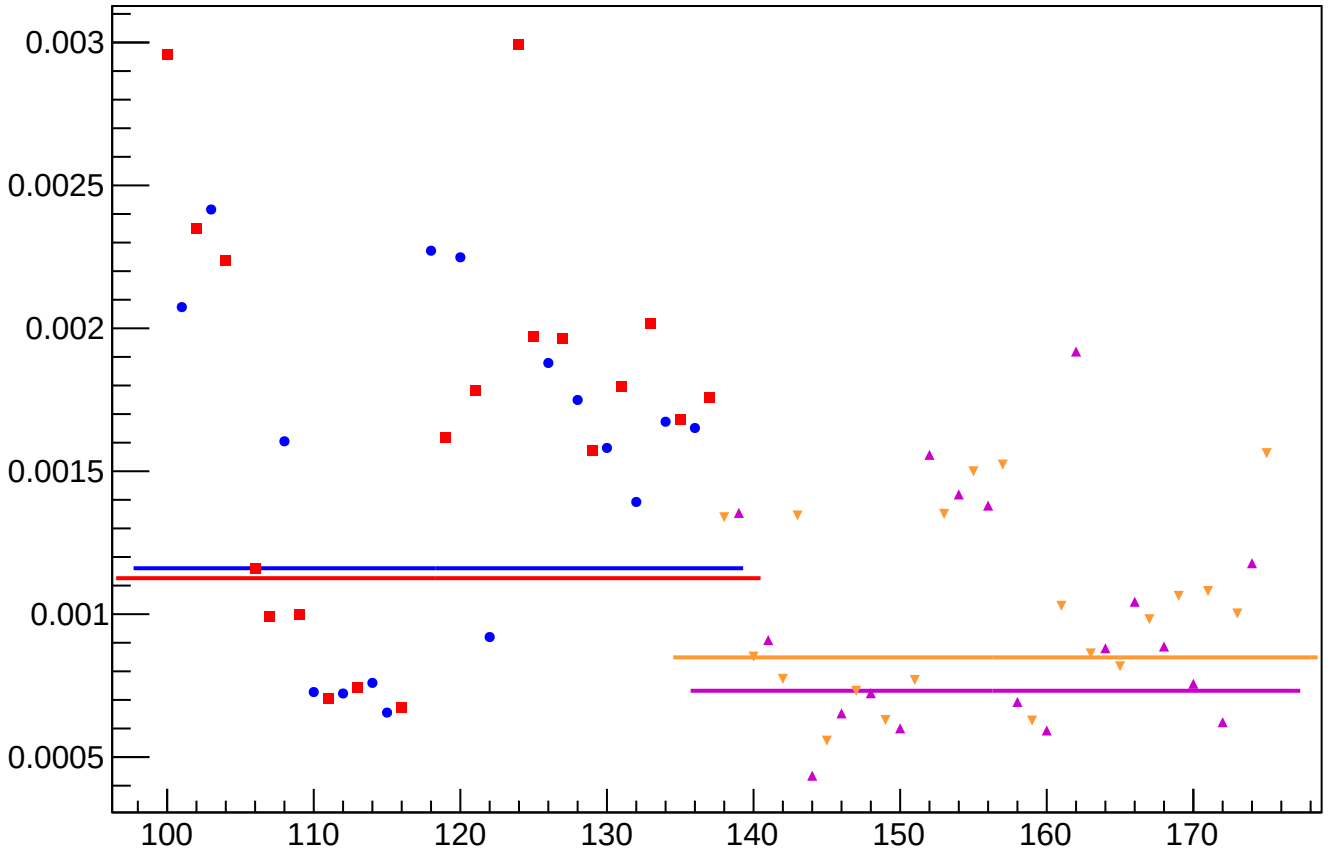
Left: 0.000+/-0.000 χ^2/NDF: 52.5/37

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.1/33

Out: 0.000+/-0.000 χ^2/NDF:52.8/38

All: 0.000+/-0.000 χ^2/NDF: 85.1/72



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2793190.2/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3694556.4/17

Left: 0.001+/-0.000 χ^2/NDF: 6777119.1/37

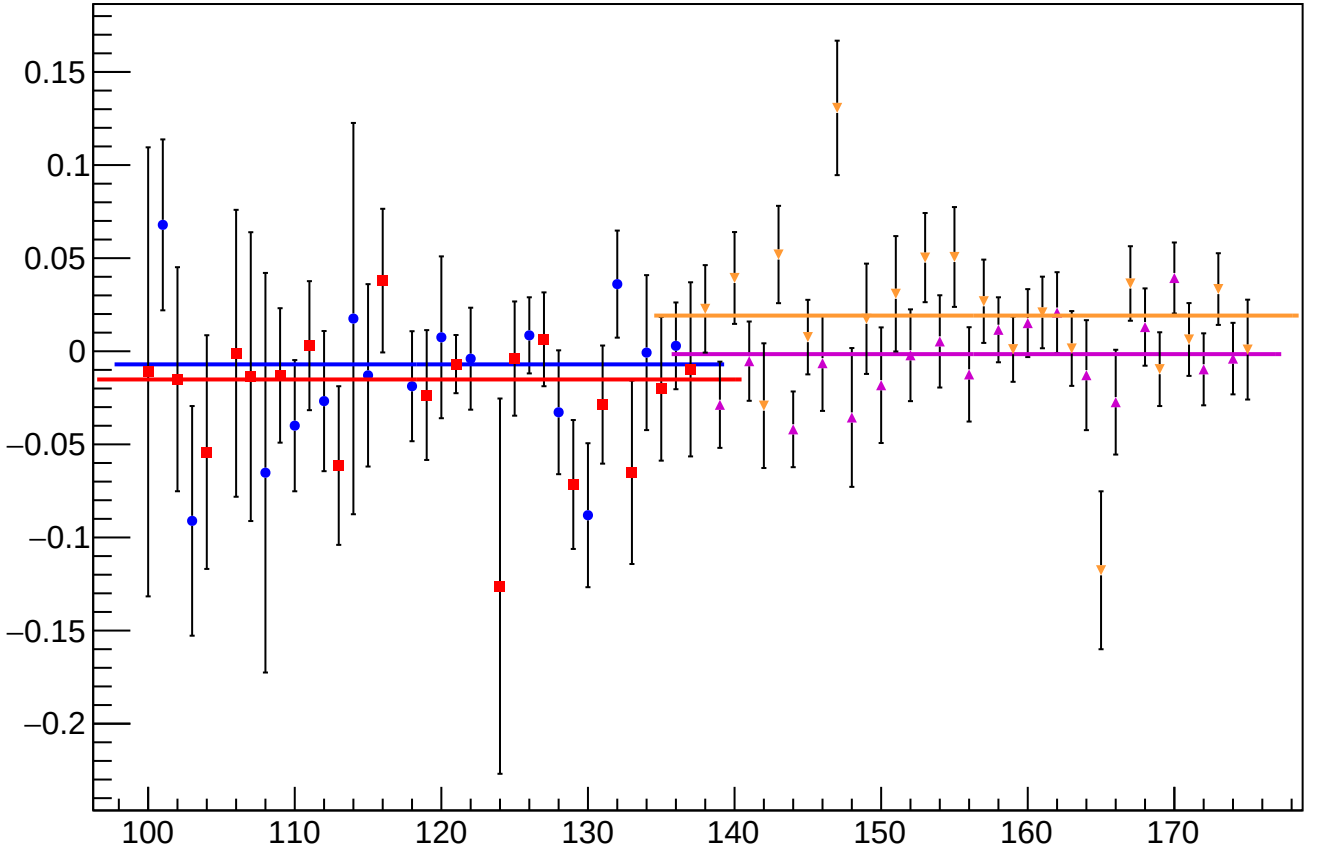
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7582474.5/33

Out: 0.001+/-0.000 χ^2/NDF:6002597.4/38

All: 0.001+/-0.000 χ^2/NDF: 13868843.2/72

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

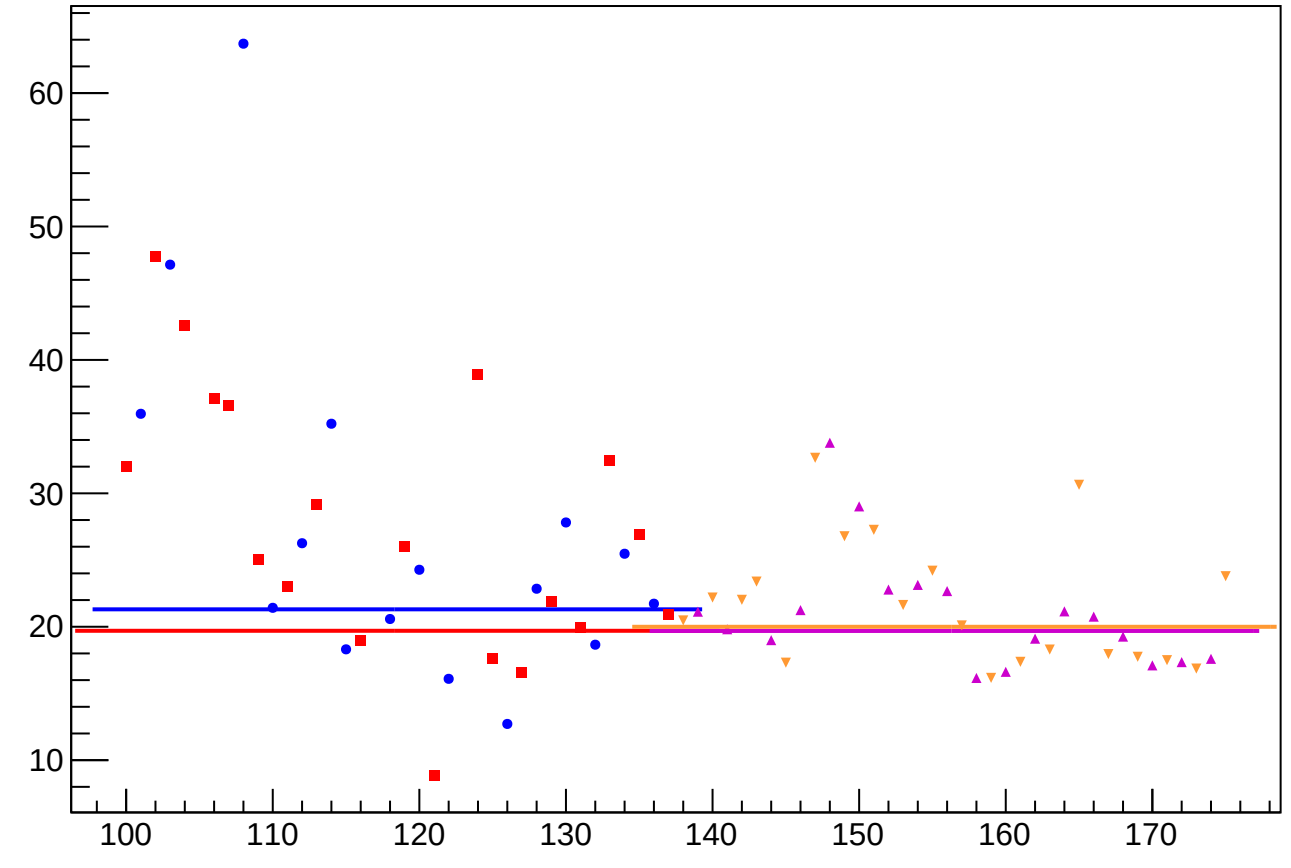
Left: 0.009+/-0.004 χ^2/NDF: 57.4/37

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.009+/-0.004 χ^2/NDF:56.6/38

All: 0.003+/-0.003 χ^2/NDF: 90.7/72



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058927.5/19

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

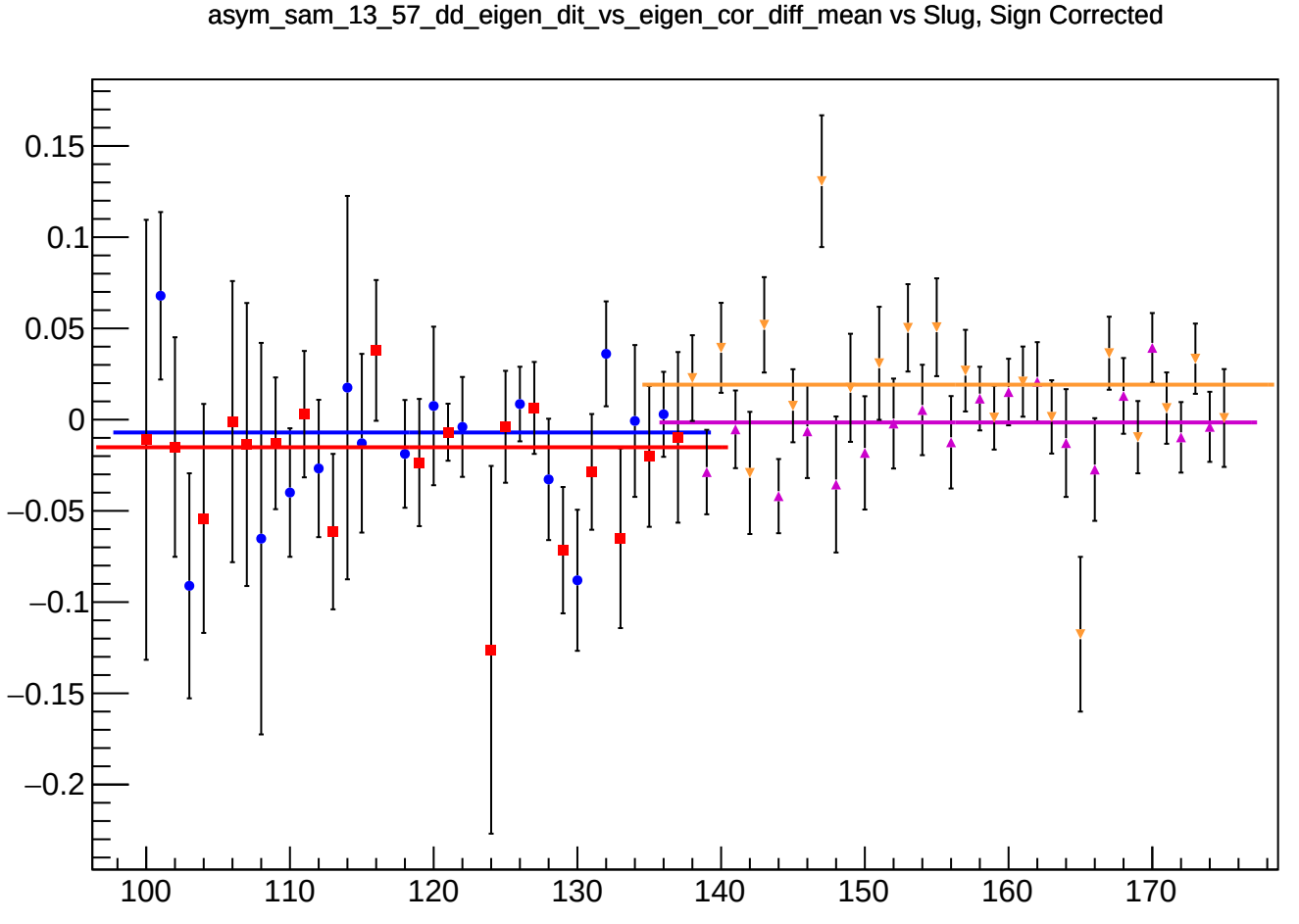
Left: 19.843+/-0.003 χ^2/NDF: 1883284.0/37

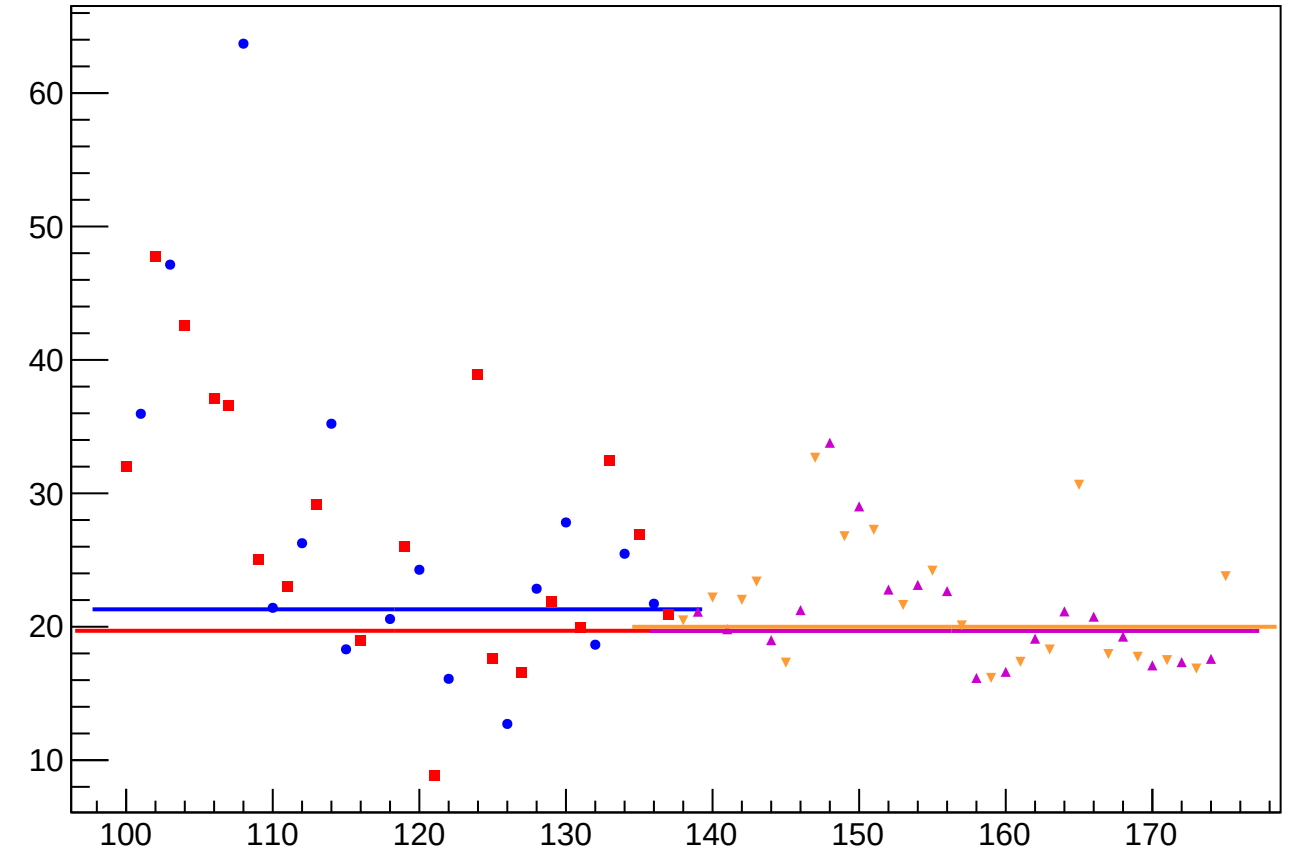
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.126+/-0.003 χ^2/NDF:2351438.9/33

Out: 19.912+/-0.003 χ^2/NDF:3499435.2/38

All: 20.016+/-0.002 χ^2/NDF: 5853207.3/72


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:34.1/19
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.002+/-0.005 χ²/NDF:15.5/17
Left: 0.009+/-0.004 χ²/NDF: 57.4/37
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.005 χ²/NDF:30.1/33
Out: 0.009+/-0.004 χ²/NDF:56.6/38
All: 0.003+/-0.003 χ²/NDF: 90.7/72



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058927.5/19

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

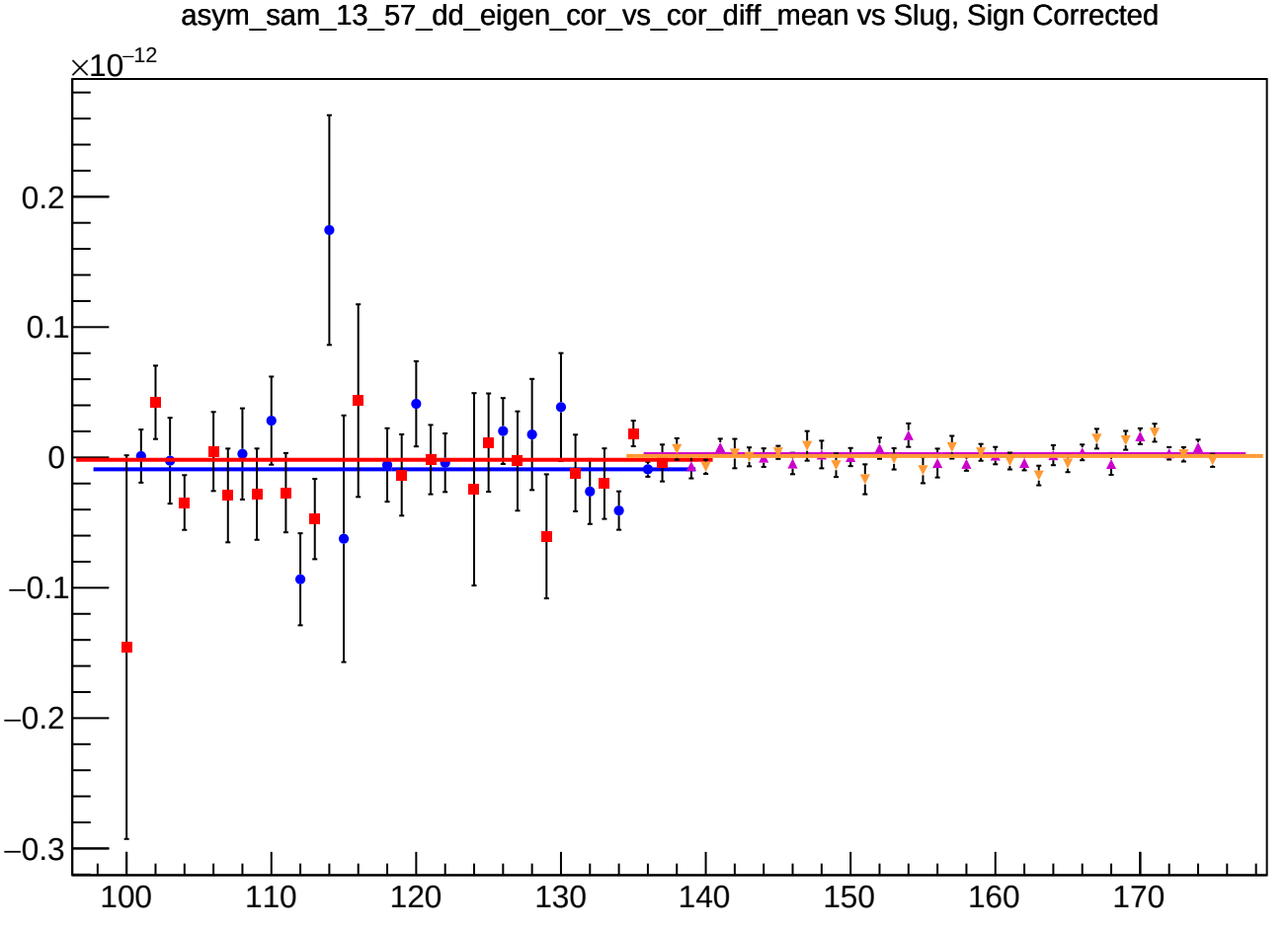
Left: 19.843+/-0.003 χ^2/NDF: 1883284.0/37

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.126+/-0.003 χ^2/NDF:2351438.9/33

Out: 19.912+/-0.003 χ^2/NDF:3499435.2/38

All: 20.016+/-0.002 χ^2/NDF: 5853207.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/17

Left: 0.000+/-0.000 χ^2/NDF: 43.3/37

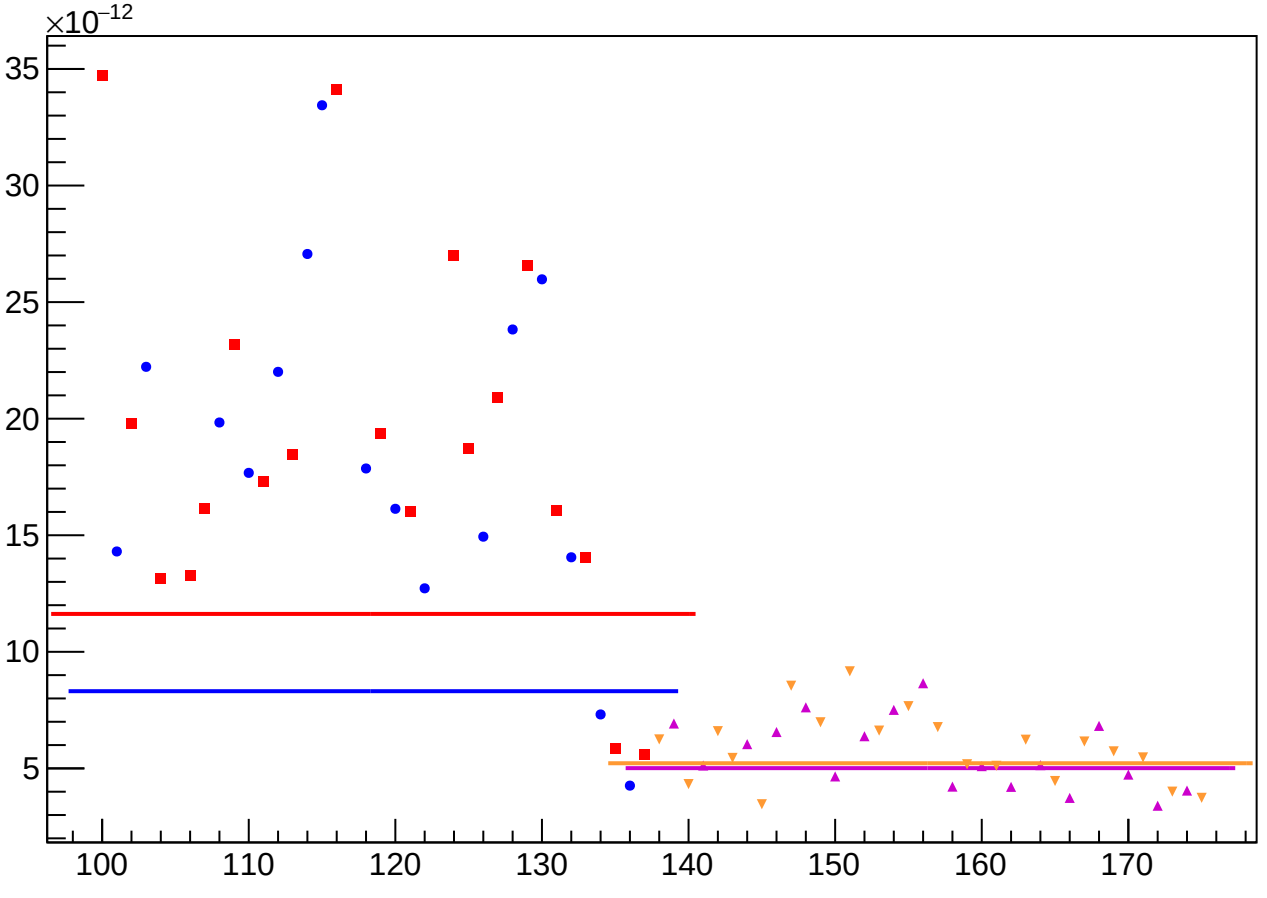
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:44.7/33

Out: 0.000+/-0.000 χ^2/NDF:44.0/38

All: 0.000+/-0.000 χ^2/NDF: 88.7/72

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471006.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1307177.7/17

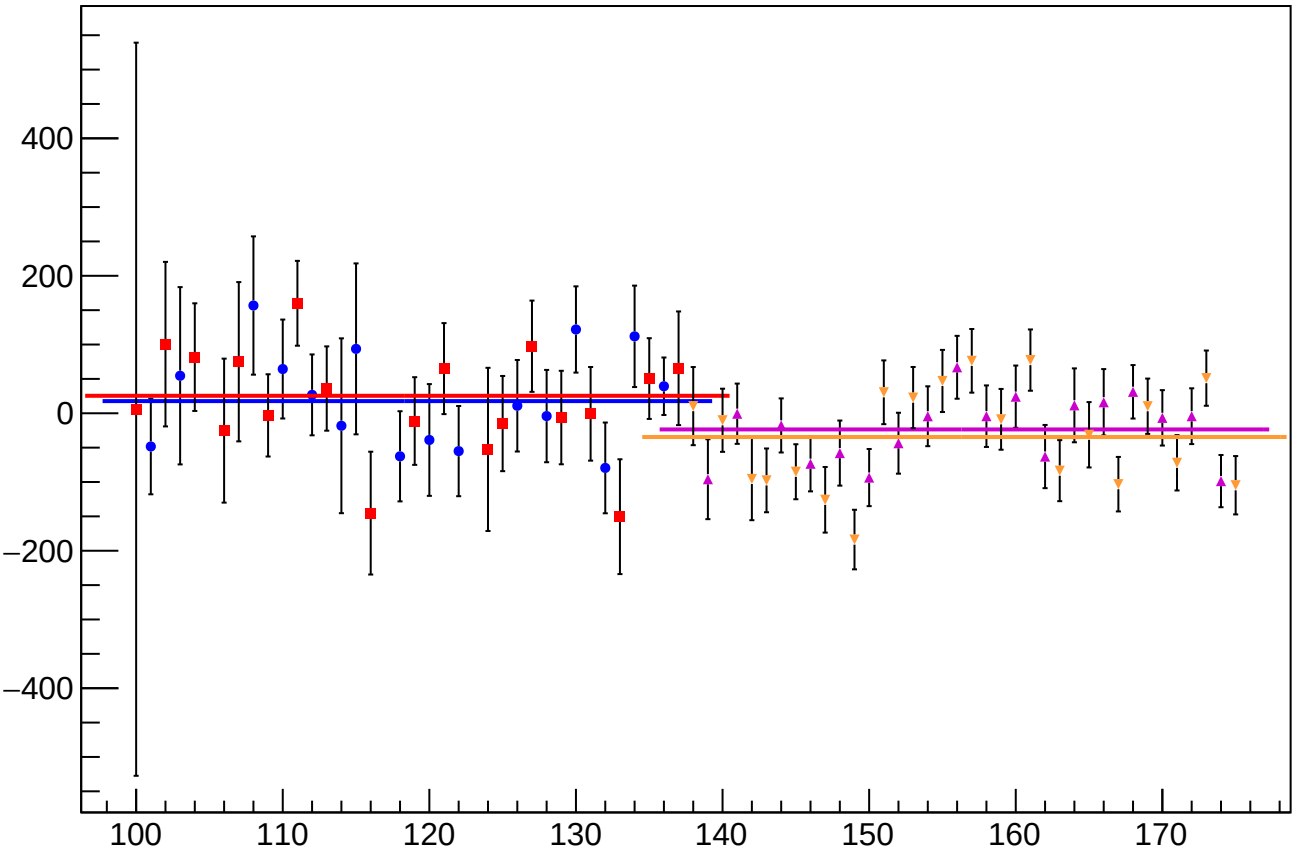
Left: 0.000+/-0.000 χ^2/NDF: 2795539.5/37

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:5994317.8/33

Out: 0.000+/-0.000 χ^2/NDF:6438552.4/38

All: 0.000+/-0.000 χ^2/NDF: 12469700.5/72



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.552+/-9.973 χ^2/NDF:53.7/19

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -23.517+/-10.296 χ^2/NDF:20.5/17

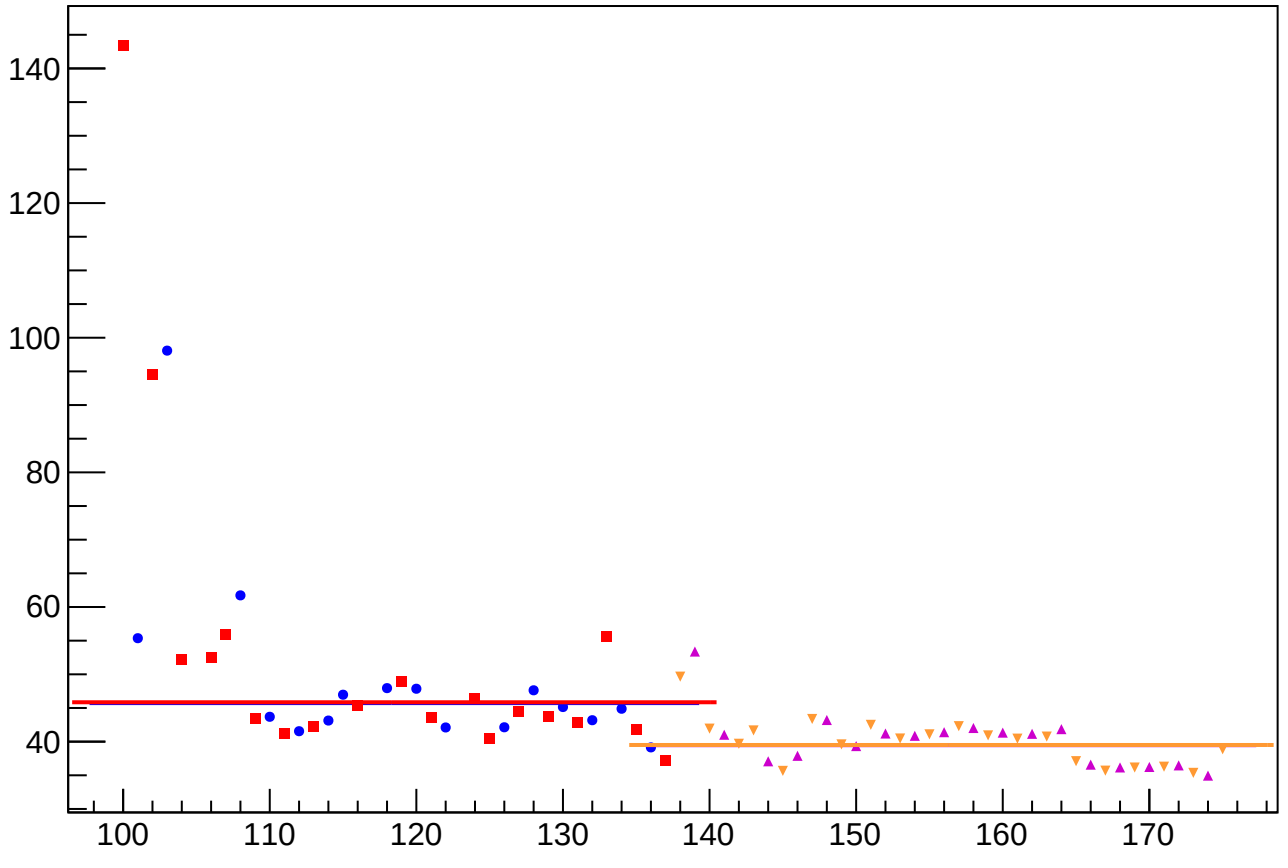
Left: -29.210+/-7.163 χ^2/NDF: 74.8/37

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -12.892+/-8.870 χ^2/NDF:38.6/33

Out: -19.636+/-8.645 χ^2/NDF:80.6/38

All: -16.350+/-6.191 χ^2/NDF: 119.4/72



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

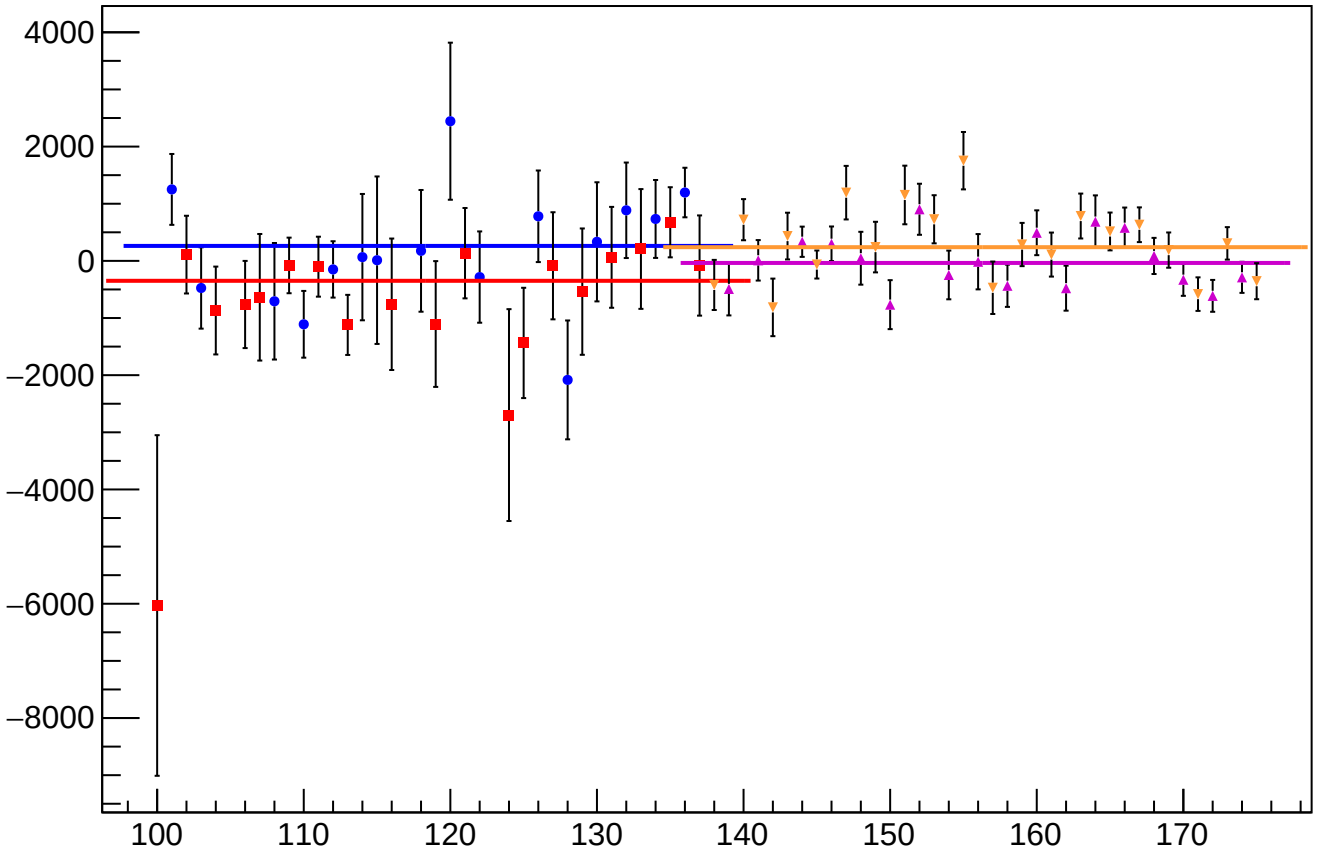
Left: 39.488+/-0.005 χ^2/NDF: 439935.2/37

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 41.084+/-0.006 χ^2/NDF:930826.7/33

Out: 41.081+/-0.006 χ^2/NDF:942324.5/38

All: 41.083+/-0.004 χ^2/NDF: 1873151.4/72



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 239.649+/-81.128 χ^2/NDF:46.2/19

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -36.110+/-83.133 χ^2/NDF:27.9/17

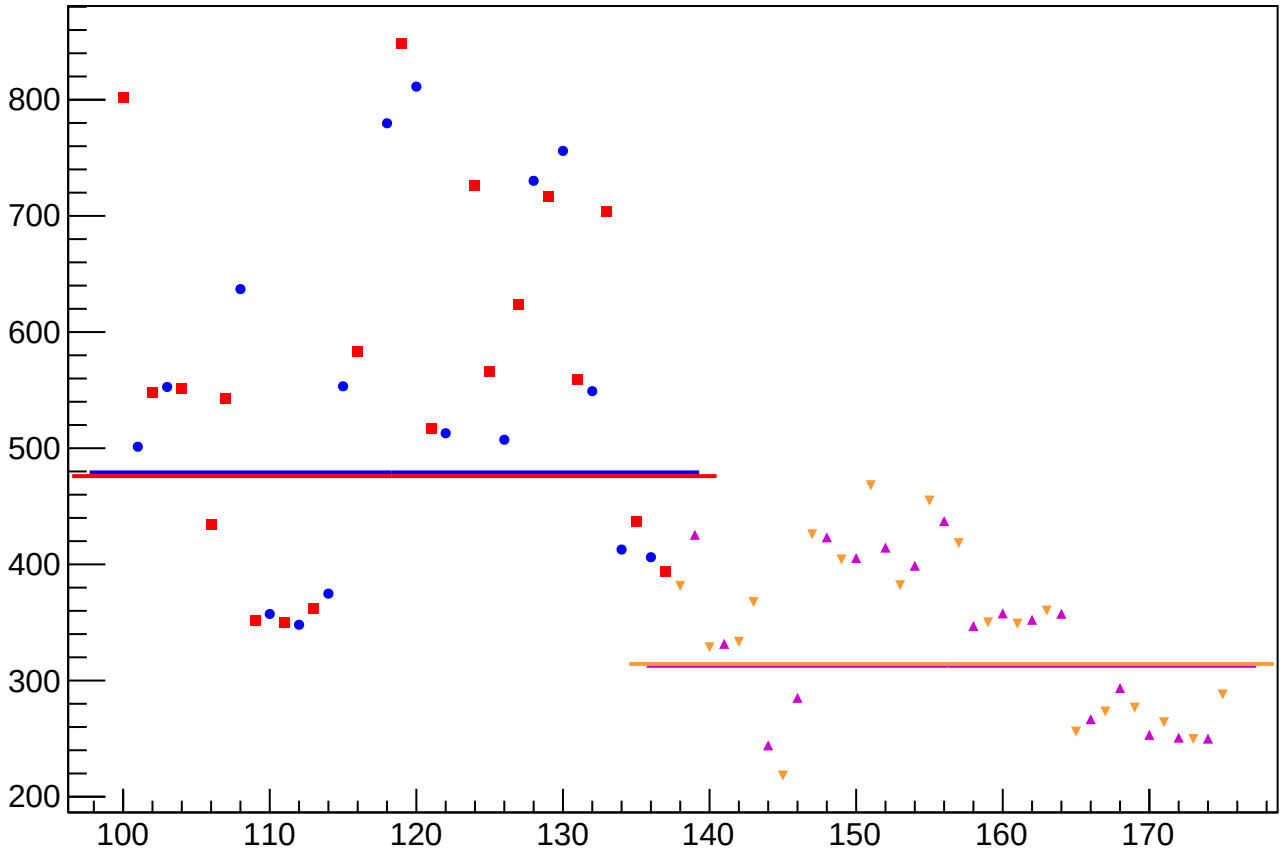
Left: 105.134+/-58.062 χ^2/NDF: 79.7/37

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 13.870+/-75.843 χ^2/NDF:55.0/33

Out: 140.936+/-74.010 χ^2/NDF:70.0/38

All: 78.957+/-52.969 χ^2/NDF: 126.4/72



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445733.3/19

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 312.688+/-0.059 χ^2/NDF:1218205.8/17

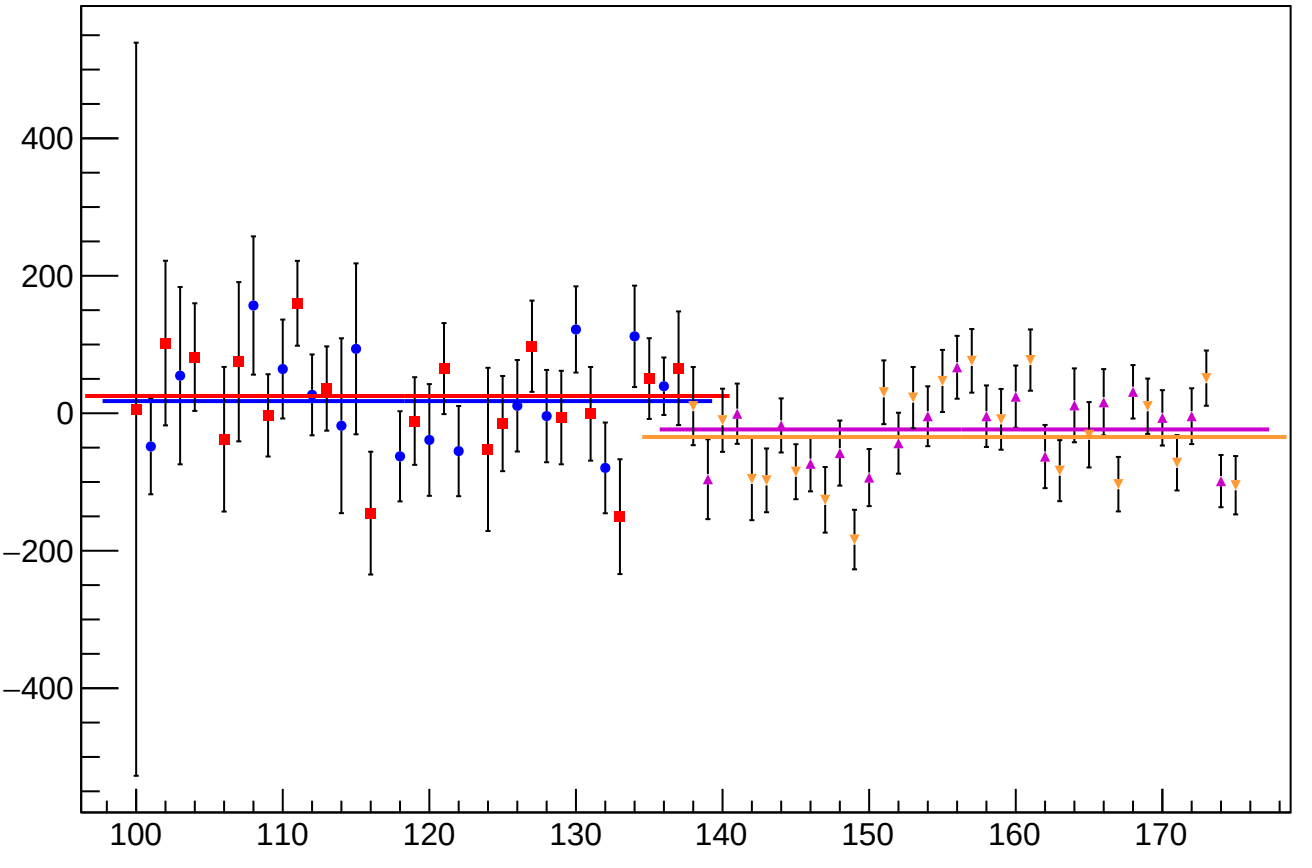
Left: 313.529+/-0.041 χ^2/NDF: 2664339.1/37

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 340.606+/-0.054 χ^2/NDF:3516018.2/33

Out: 341.455+/-0.052 χ^2/NDF:3784666.3/38

All: 341.041+/-0.037 χ^2/NDF: 7300812.9/72



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -23.516+/-10.296 χ^2/NDF:20.5/17

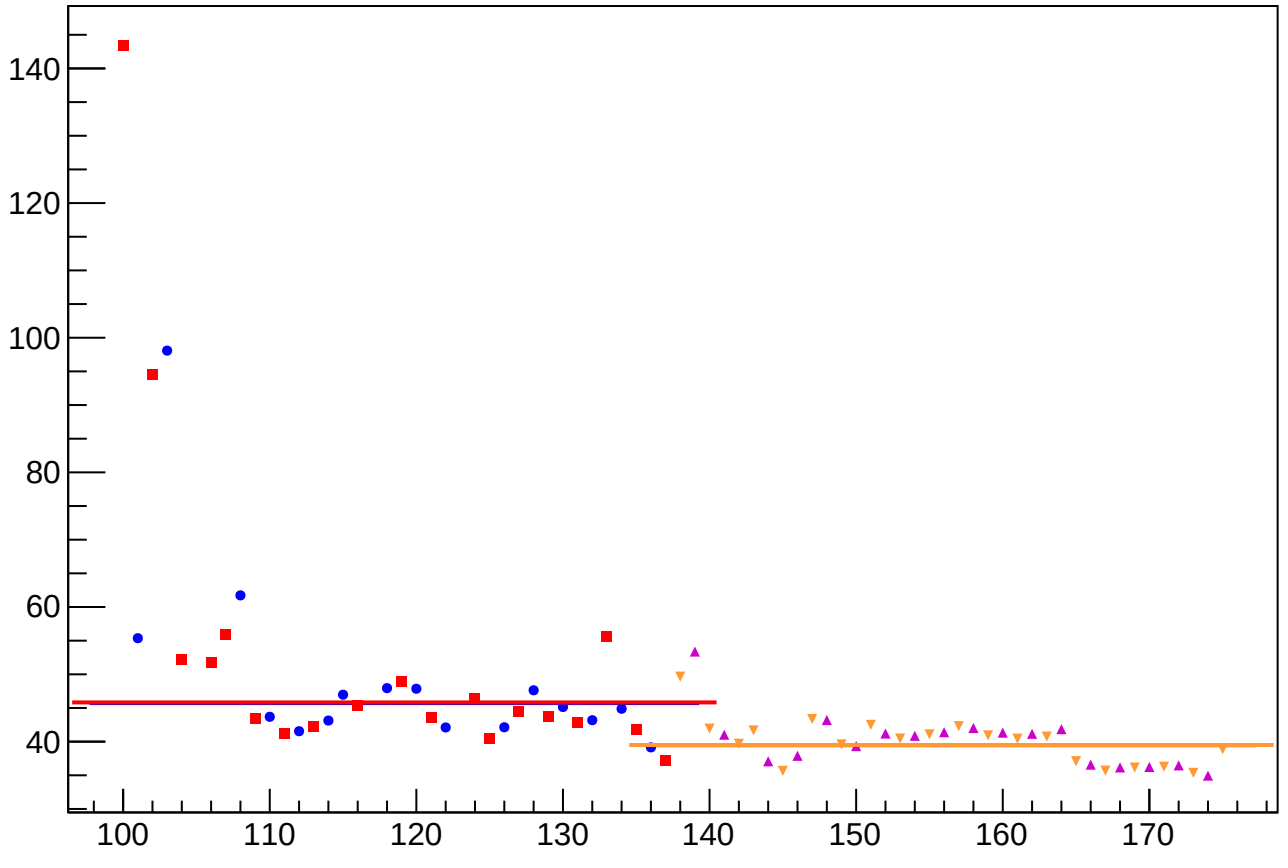
Left: -29.210+/-7.163 χ^2/NDF: 74.8/37

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.890+/-8.870 χ^2/NDF:38.6/33

Out: -19.713+/-8.645 χ^2/NDF:80.6/38

All: -16.389+/-6.191 χ^2/NDF: 119.5/72



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

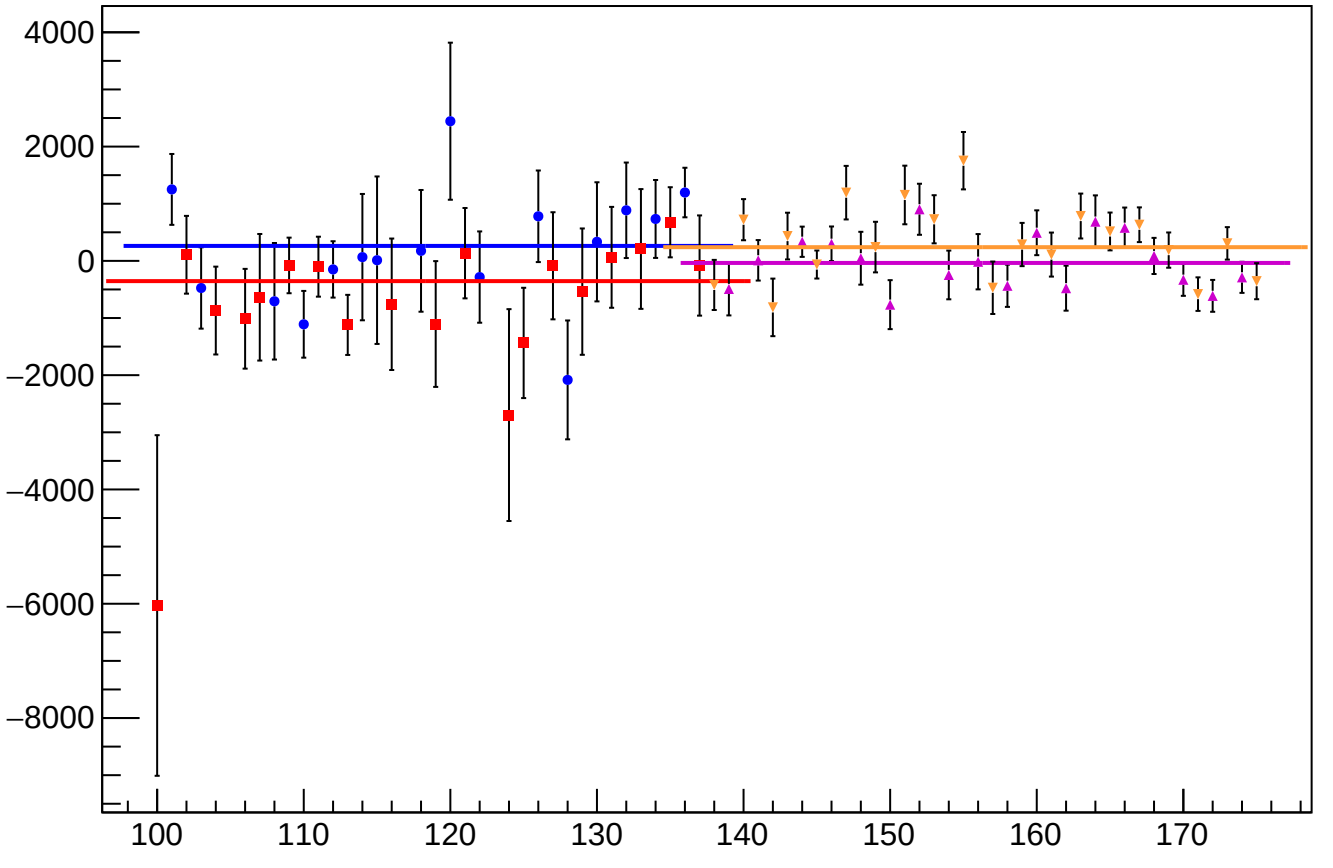
Left: 39.488+/-0.005 χ^2/NDF: 439935.2/37

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.084+/-0.006 χ^2/NDF:930829.7/33

Out: 41.075+/-0.006 χ^2/NDF:939087.9/38

All: 41.080+/-0.004 χ^2/NDF: 1869918.6/72



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 239.646+/-81.128 χ^2/NDF:46.2/19

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -36.107+/-83.133 χ^2/NDF:27.9/17

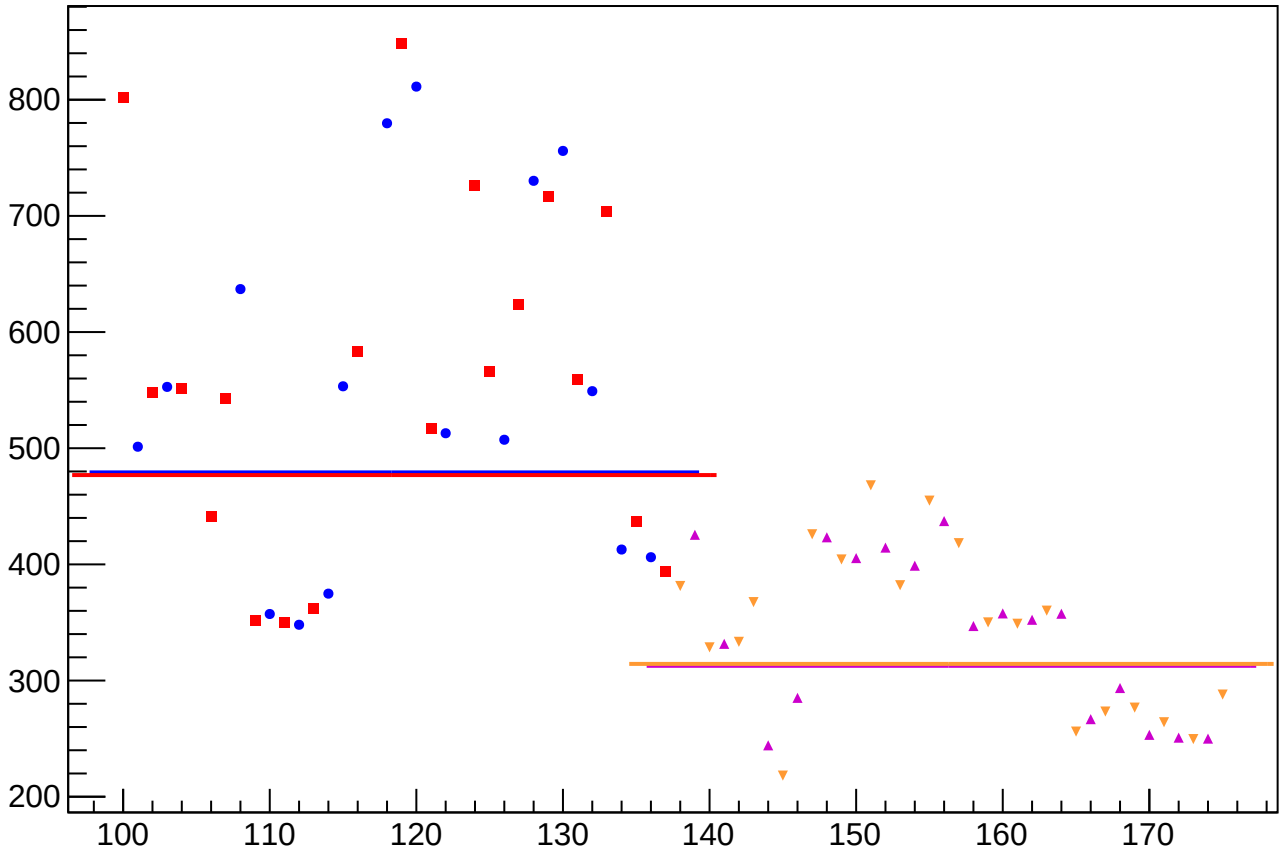
Left: 105.134+/-58.062 χ^2/NDF: 79.7/37

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 13.872+/-75.843 χ^2/NDF:55.0/33

Out: 141.119+/-74.093 χ^2/NDF:70.3/38

All: 78.981+/-53.000 χ^2/NDF: 126.7/72



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

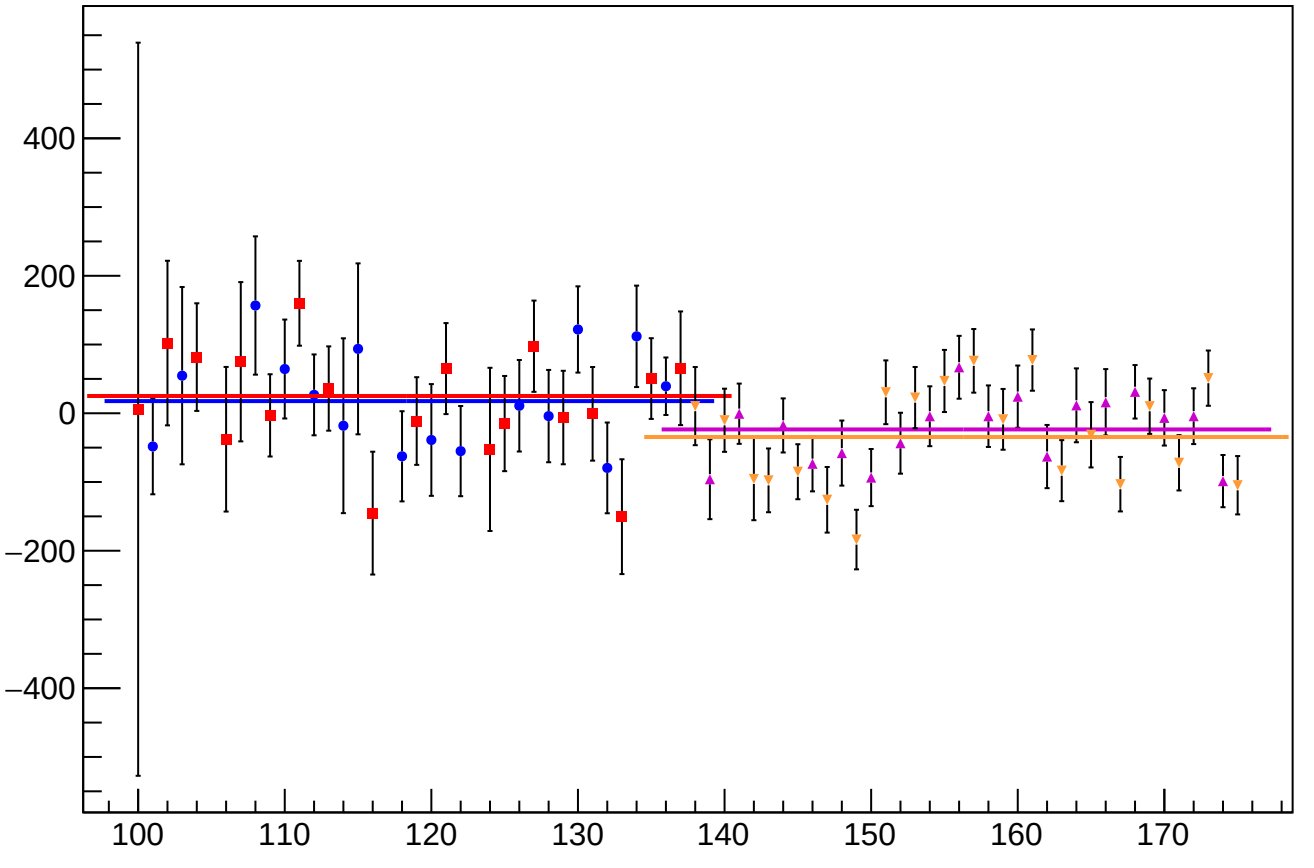
Left: 313.529+/-0.041 χ^2/NDF: 2664342.8/37

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 340.606+/-0.054 χ^2/NDF:3516077.8/33

Out: 341.301+/-0.052 χ^2/NDF:3781803.1/38

All: 340.962+/-0.037 χ^2/NDF: 7297967.0/72



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -23.516+/-10.296 χ^2/NDF:20.5/17

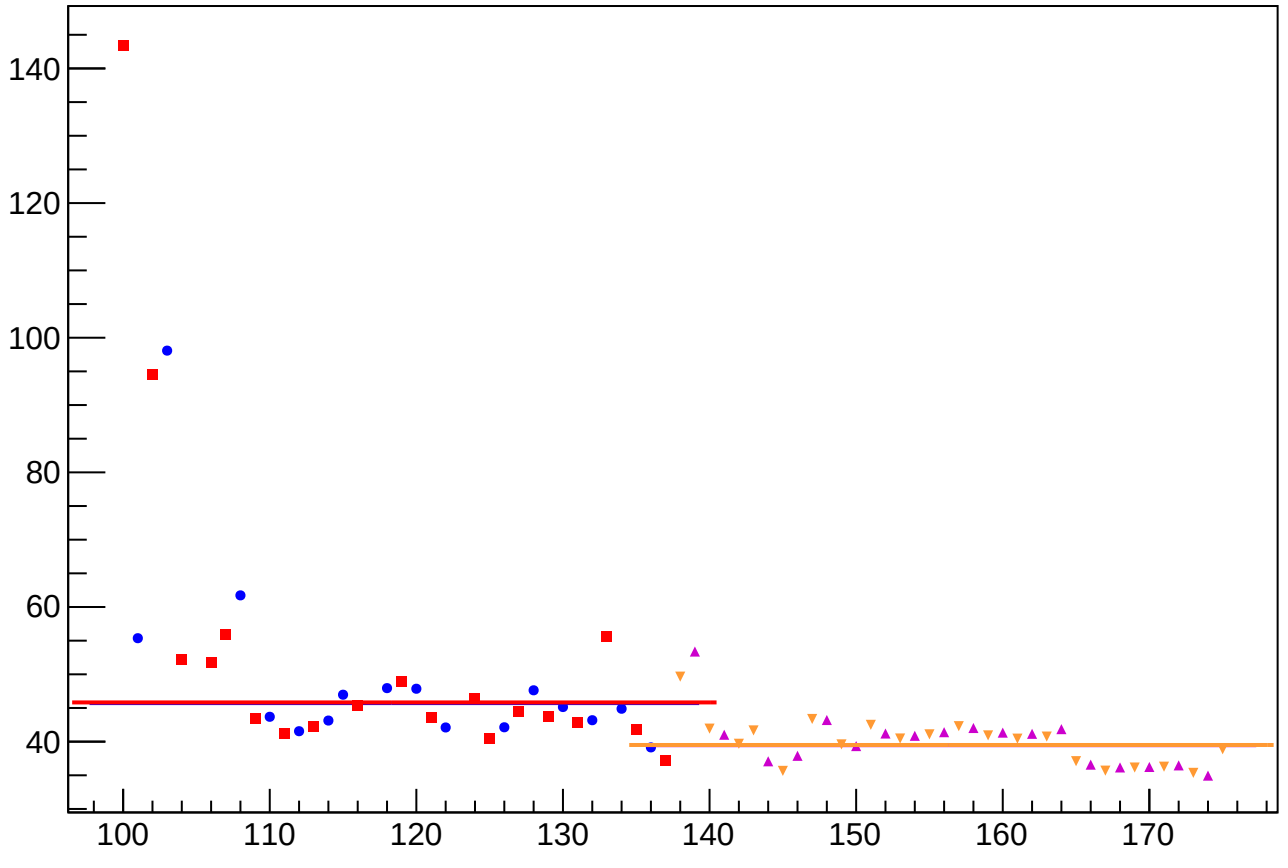
Left: -29.210+/-7.163 χ^2/NDF: 74.8/37

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.890+/-8.870 χ^2/NDF:38.6/33

Out: -19.713+/-8.645 χ^2/NDF:80.6/38

All: -16.389+/-6.191 χ^2/NDF: 119.5/72



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

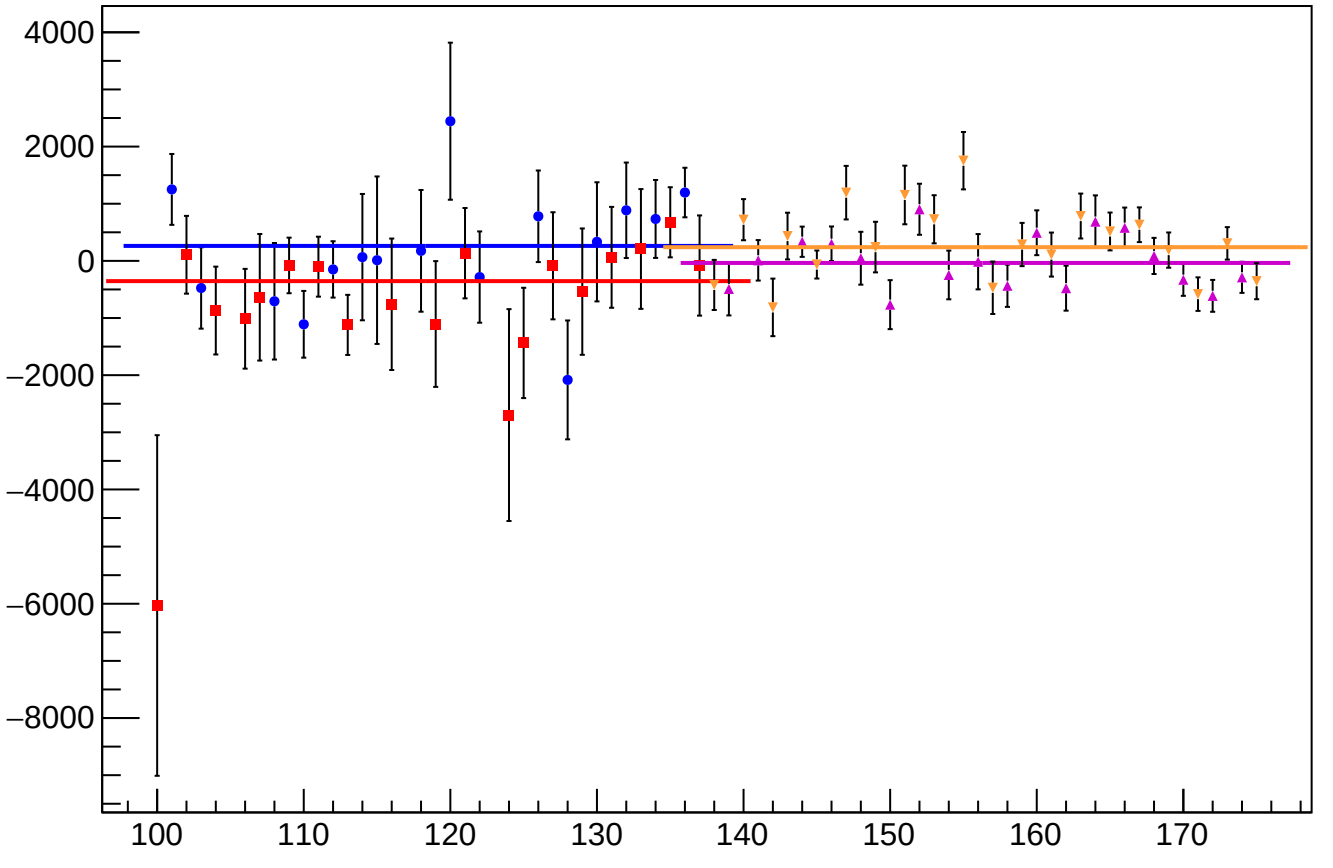
Left: 39.488+/-0.005 χ^2/NDF: 439935.2/37

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.084+/-0.006 χ^2/NDF:930829.7/33

Out: 41.075+/-0.006 χ^2/NDF:939087.9/38

All: 41.080+/-0.004 χ^2/NDF: 1869918.6/72



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 239.646+/-81.128 χ^2/NDF:46.2/19

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -36.107+/-83.133 χ^2/NDF:27.9/17

Left: 105.134+/-58.062 χ^2/NDF: 79.7/37

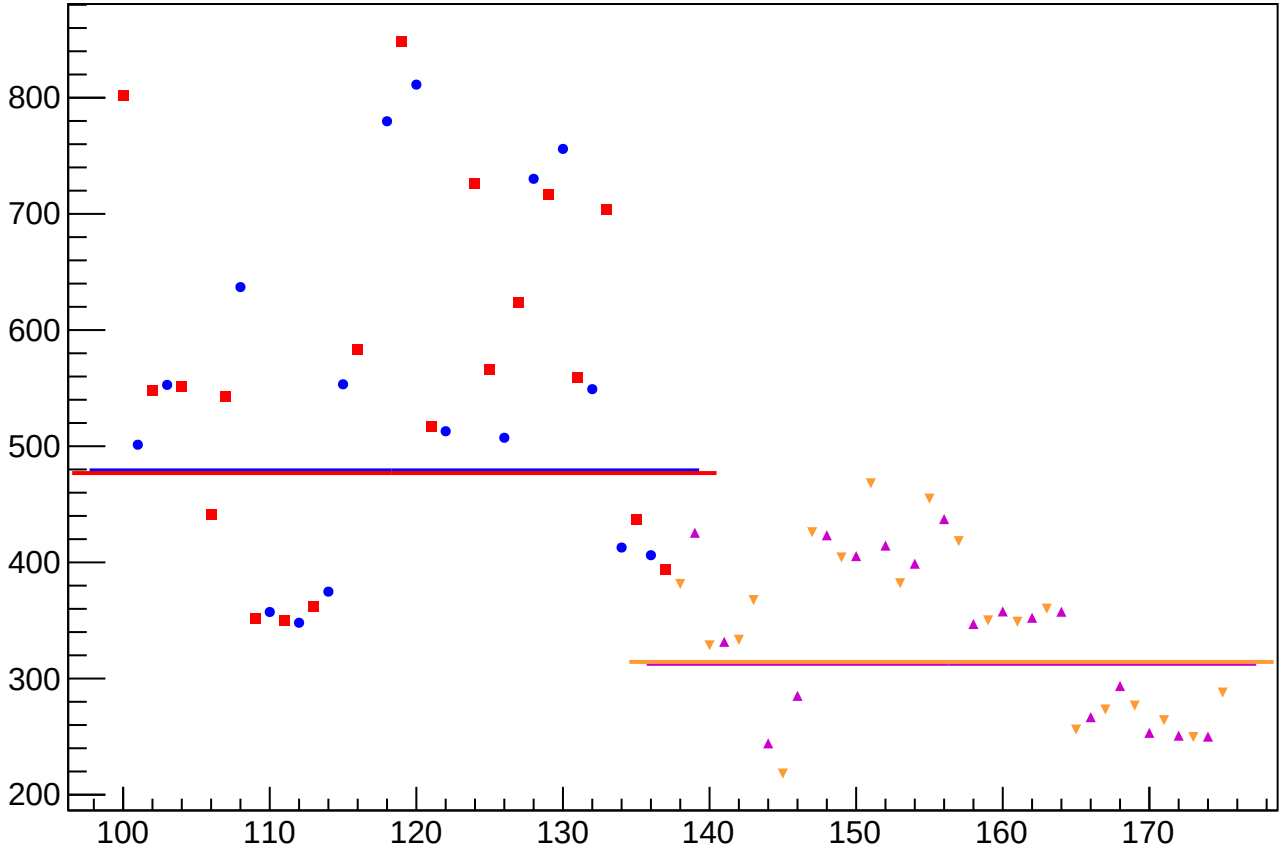
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 13.872+/-75.843 χ^2/NDF:55.0/33

Out: 141.119+/-74.093 χ^2/NDF:70.3/38

All: 78.981+/-53.000 χ^2/NDF: 126.7/72

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

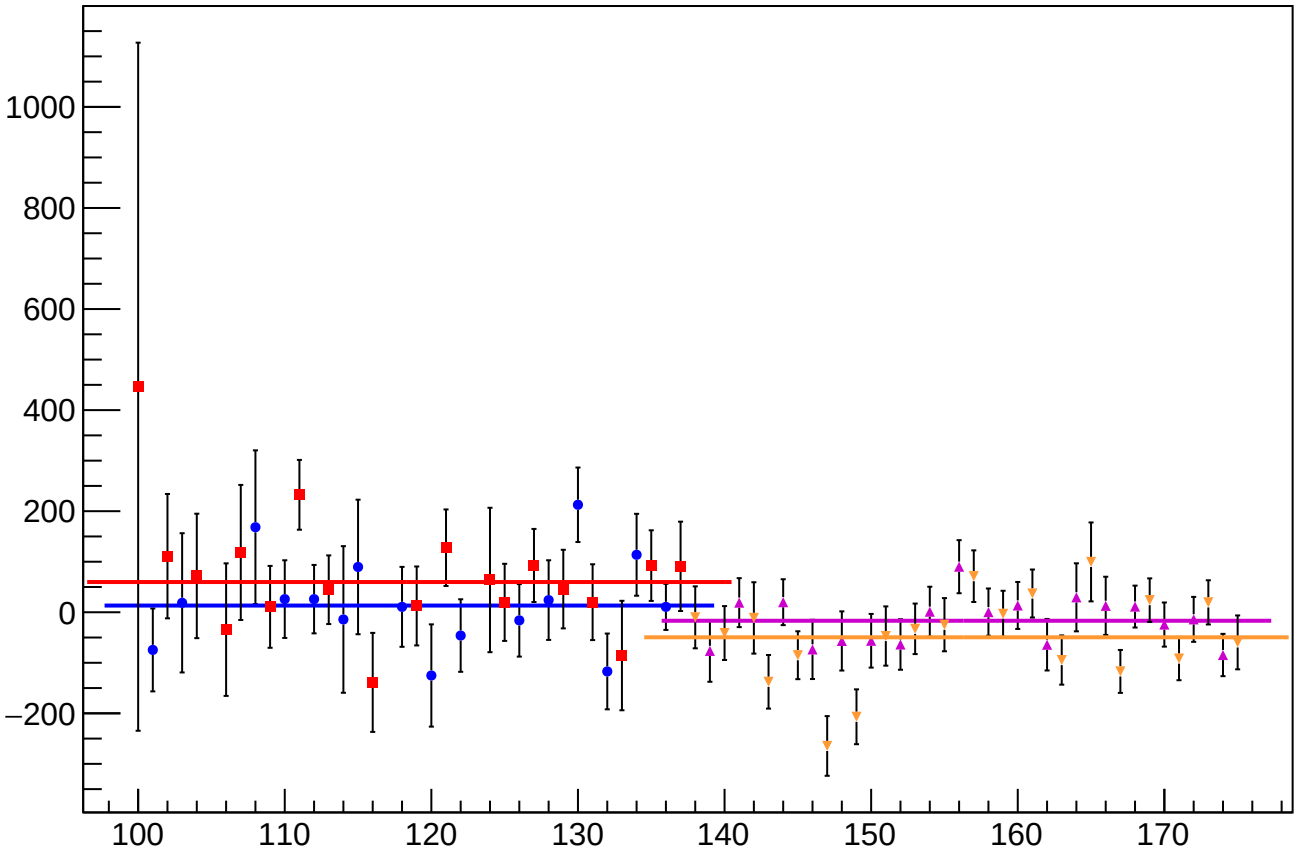
Left: 313.529+/-0.041 χ^2/NDF: 2664342.8/37

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 340.606+/-0.054 χ^2/NDF:3516077.8/33

Out: 341.301+/-0.052 χ^2/NDF:3781803.1/38

All: 340.962+/-0.037 χ^2/NDF: 7297967.0/72



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.817+/-11.706 χ^2/NDF:14.6/17

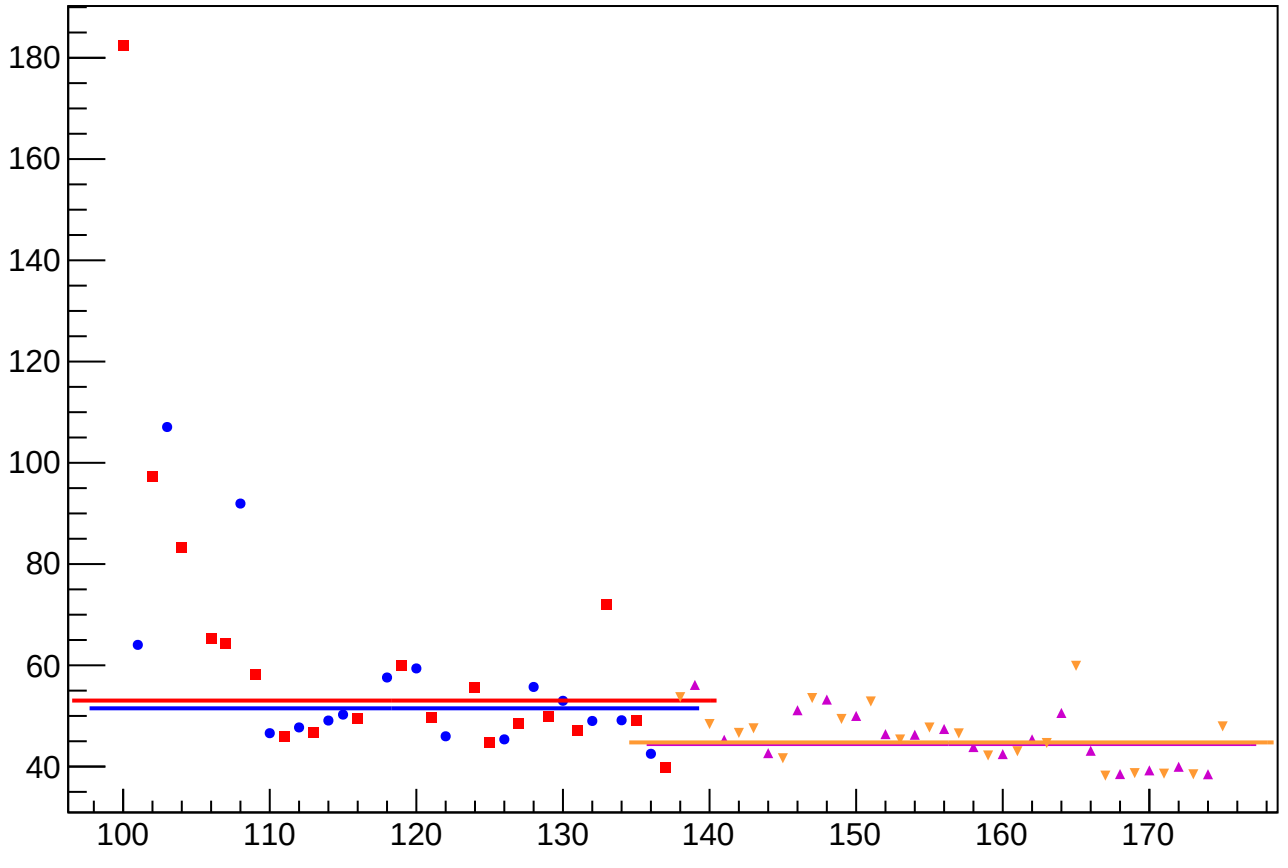
Left: -33.630+/-8.165 χ^2/NDF: 68.0/37

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -9.055+/-10.083 χ^2/NDF:33.5/33

Out: -23.229+/-9.928 χ^2/NDF:87.7/38

All: -16.251+/-7.074 χ^2/NDF: 122.2/72



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.769+/-0.008 χ^2/NDF:434756.5/19

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.447+/-0.008 χ^2/NDF:334434.5/17

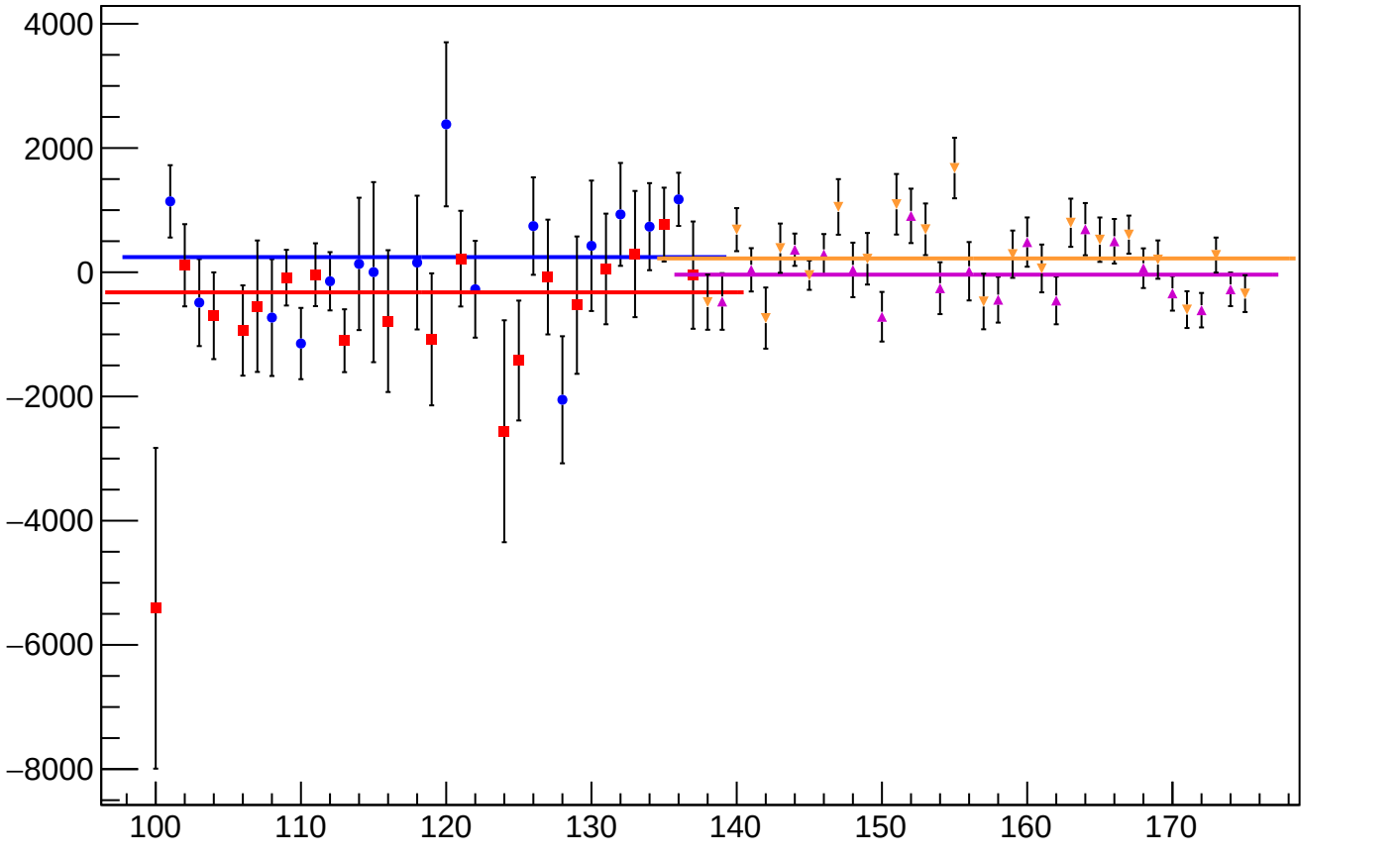
Left: 44.613+/-0.006 χ^2/NDF: 769967.4/37

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.269+/-0.007 χ^2/NDF:1189128.3/33

Out: 46.760+/-0.007 χ^2/NDF:1401218.1/38

All: 46.518+/-0.005 χ^2/NDF: 2592756.4/72



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -38.861+/-82.376 χ^2/NDF:27.9/17

Left: 95.654+/-57.369 χ^2/NDF: 77.9/37

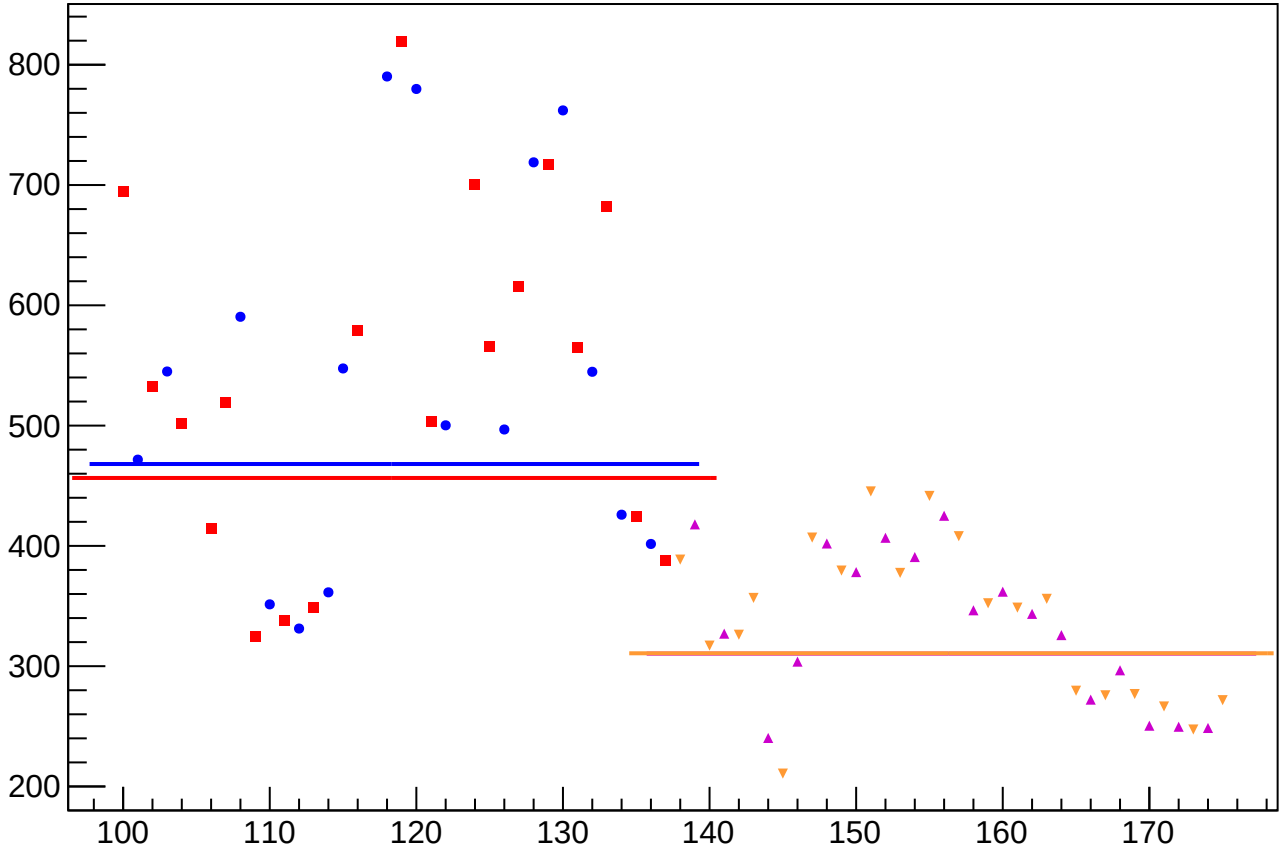
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 9.703+/-74.967 χ^2/NDF:55.5/33

Out: 126.846+/-72.615 χ^2/NDF:69.5/38

All: 70.141+/-52.158 χ^2/NDF: 126.3/72

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 310.719+/-0.057 χ^2/NDF:1356849.4/19

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 310.437+/-0.058 χ^2/NDF:1085947.1/17

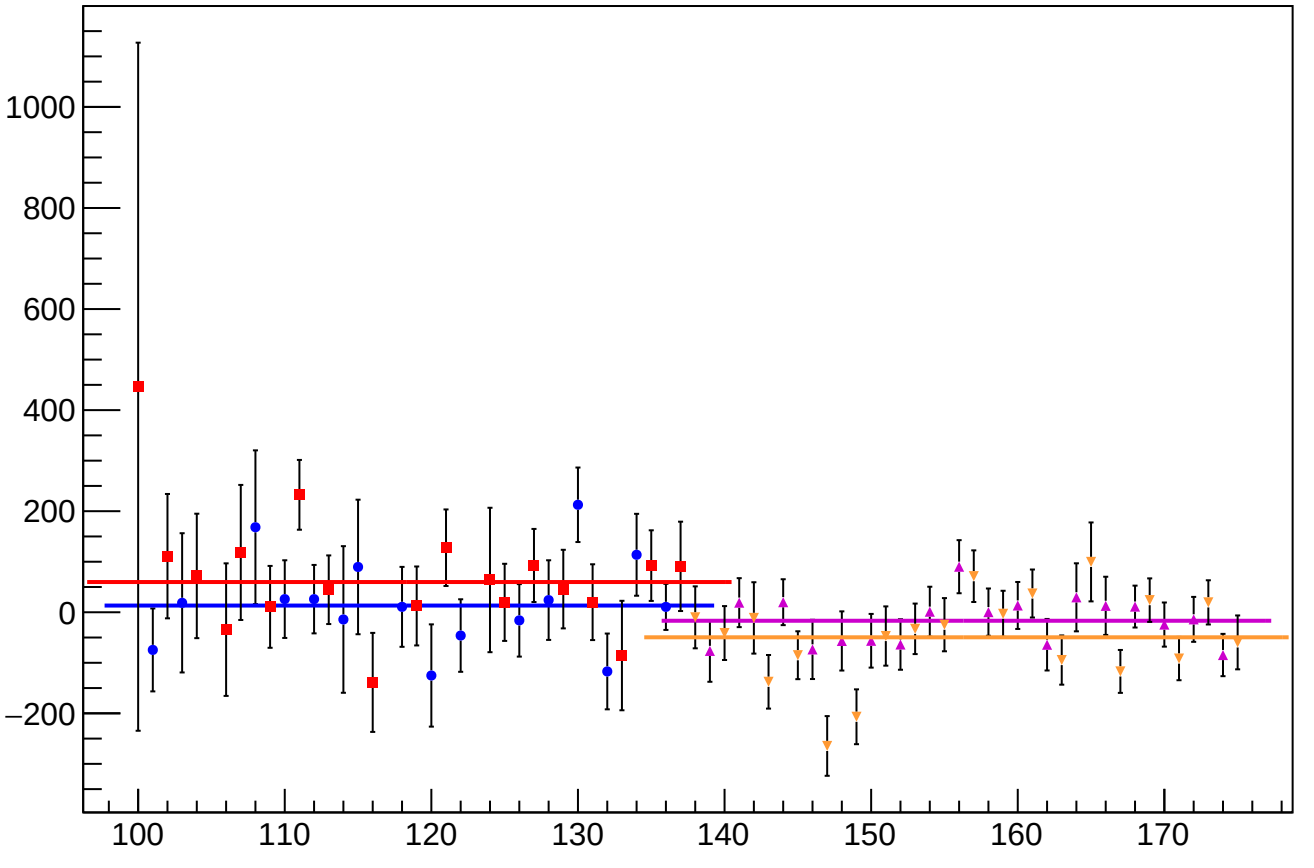
Left: 310.582+/-0.041 χ^2/NDF: 2442808.5/37

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 337.516+/-0.053 χ^2/NDF:3326909.3/33

Out: 336.211+/-0.051 χ^2/NDF:3602178.8/38

All: 336.843+/-0.037 χ^2/NDF: 6929401.1/72



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.817+/-11.706 χ^2/NDF:14.6/17

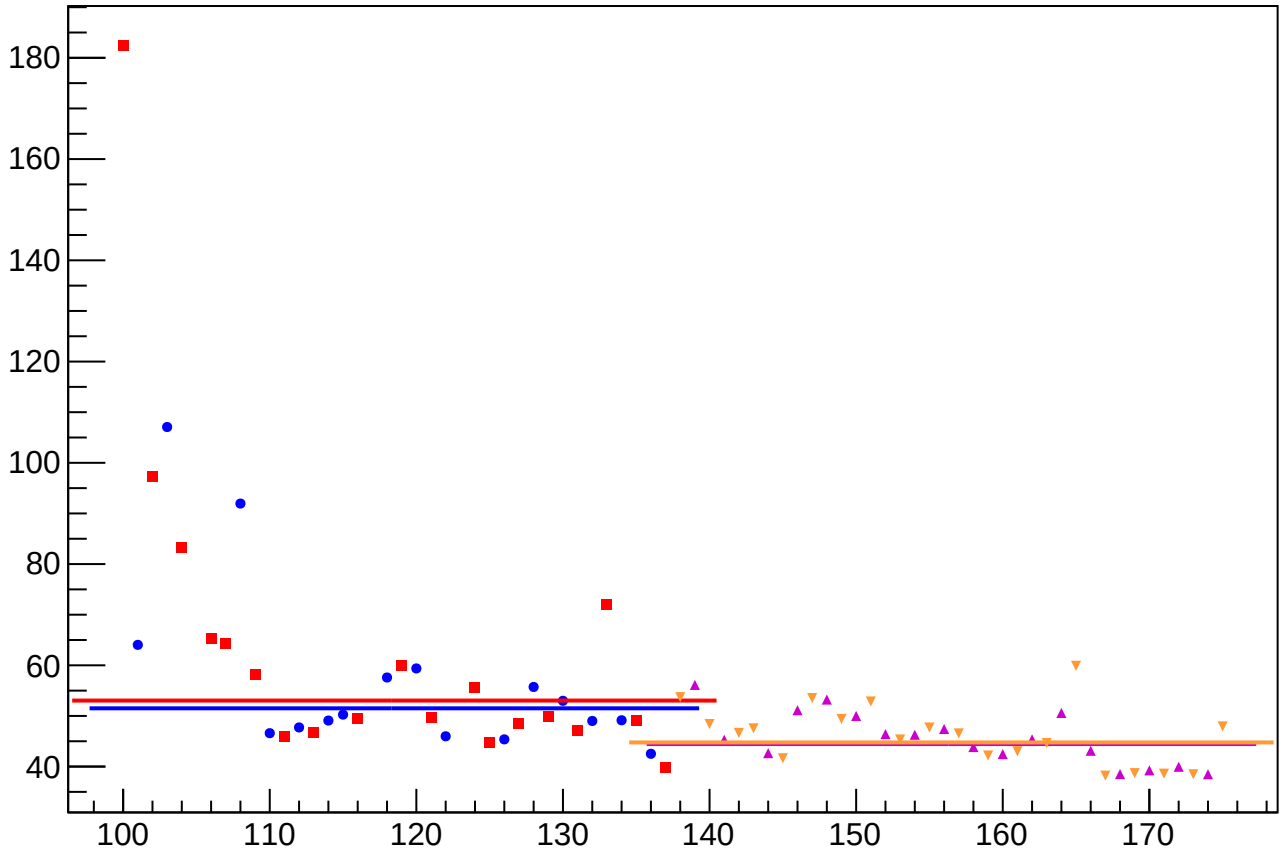
Left: -33.631+/-8.165 χ^2/NDF: 68.0/37

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -9.054+/-10.083 χ^2/NDF:33.5/33

Out: -23.229+/-9.928 χ^2/NDF:87.7/38

All: -16.251+/-7.074 χ^2/NDF: 122.2/72



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.769+/-0.008 χ^2/NDF:434759.2/19

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.447+/-0.008 χ^2/NDF:334433.8/17

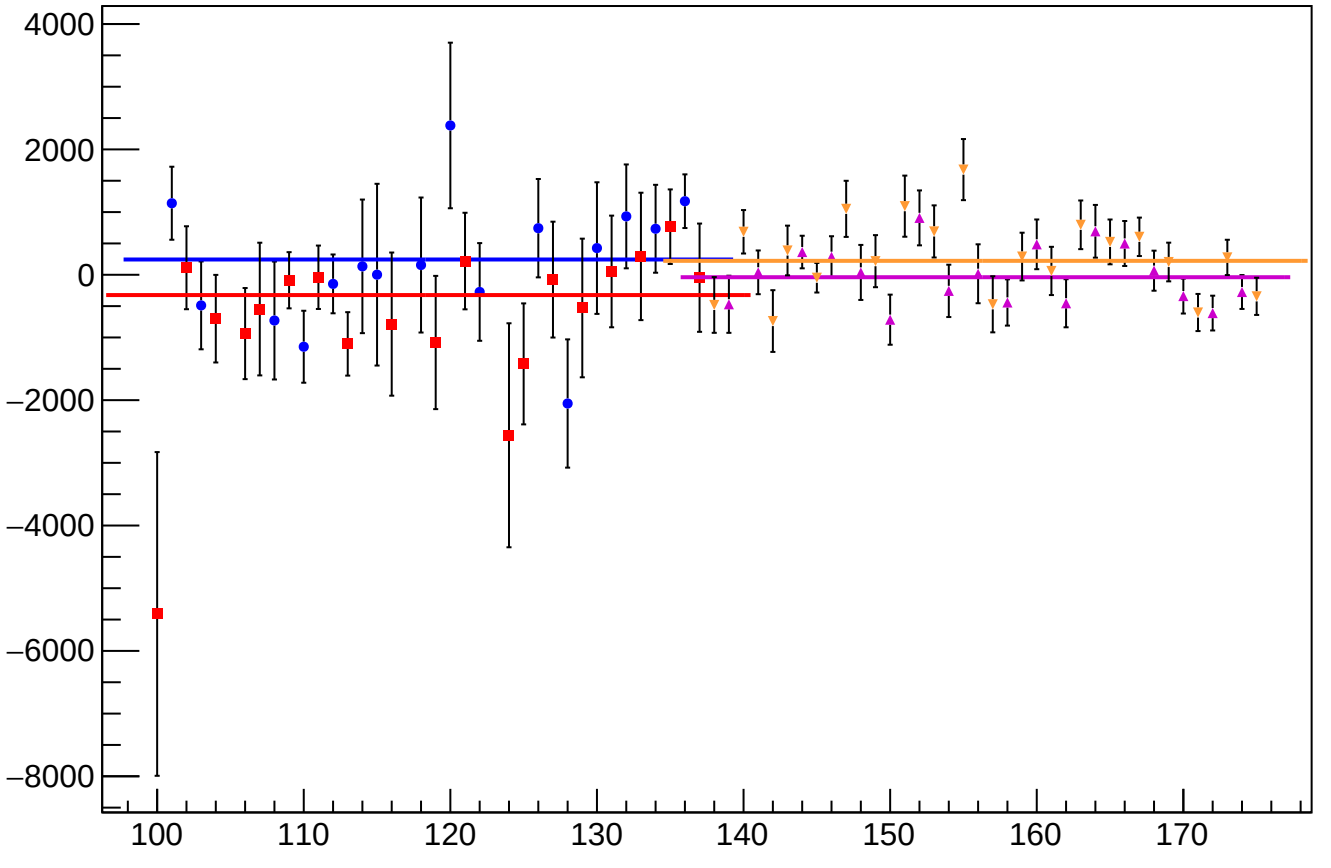
Left: 44.613+/-0.006 χ^2/NDF: 769969.4/37

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.269+/-0.007 χ^2/NDF:1189131.8/33

Out: 46.760+/-0.007 χ^2/NDF:1401231.2/38

All: 46.518+/-0.005 χ^2/NDF: 2592773.0/72



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -38.860+/-82.376 χ^2/NDF:27.9/17

Left: 95.655+/-57.369 χ^2/NDF: 77.9/37

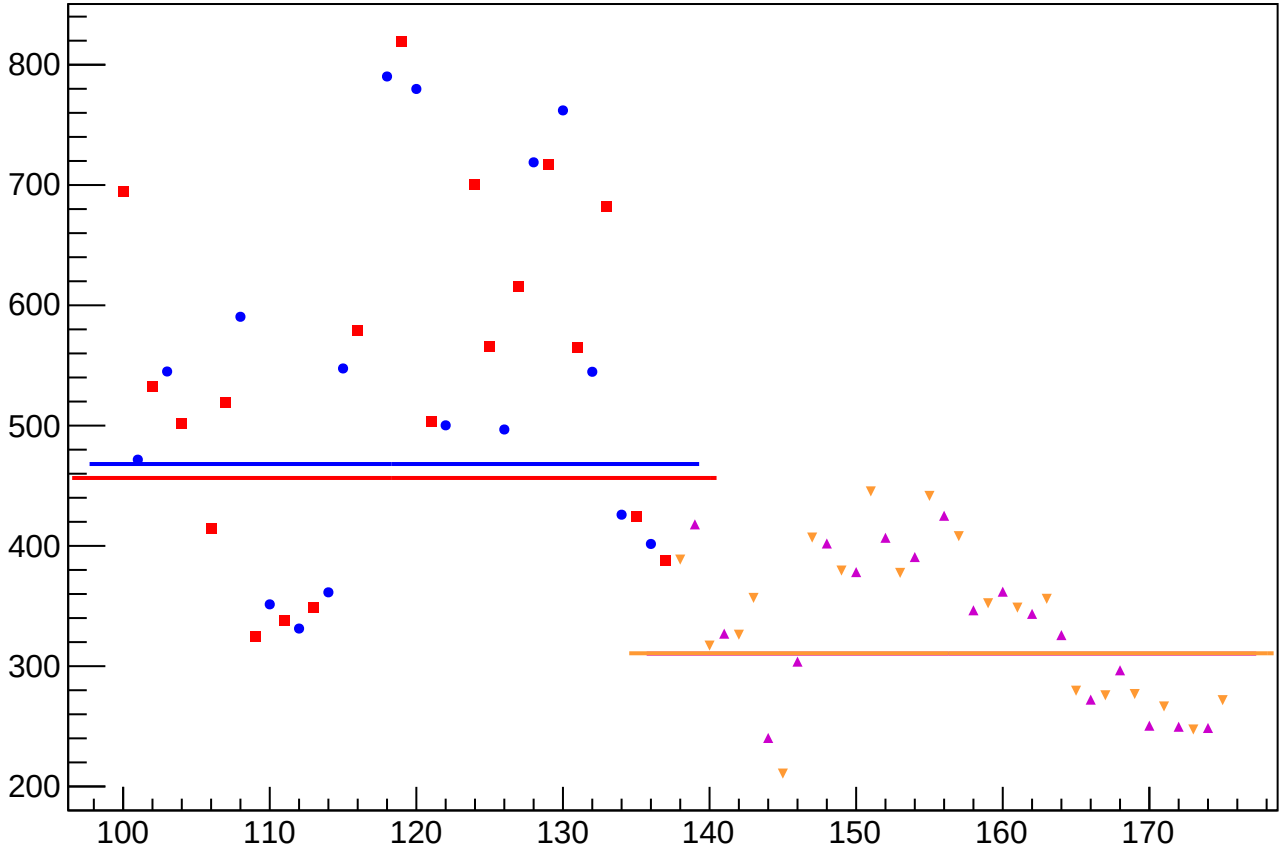
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 9.703+/-74.967 χ^2/NDF:55.5/33

Out: 126.846+/-72.615 χ^2/NDF:69.5/38

All: 70.141+/-52.158 χ^2/NDF: 126.3/72

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 310.719+/-0.057 χ^2/NDF:1356846.2/19

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 310.438+/-0.058 χ^2/NDF:1085939.3/17

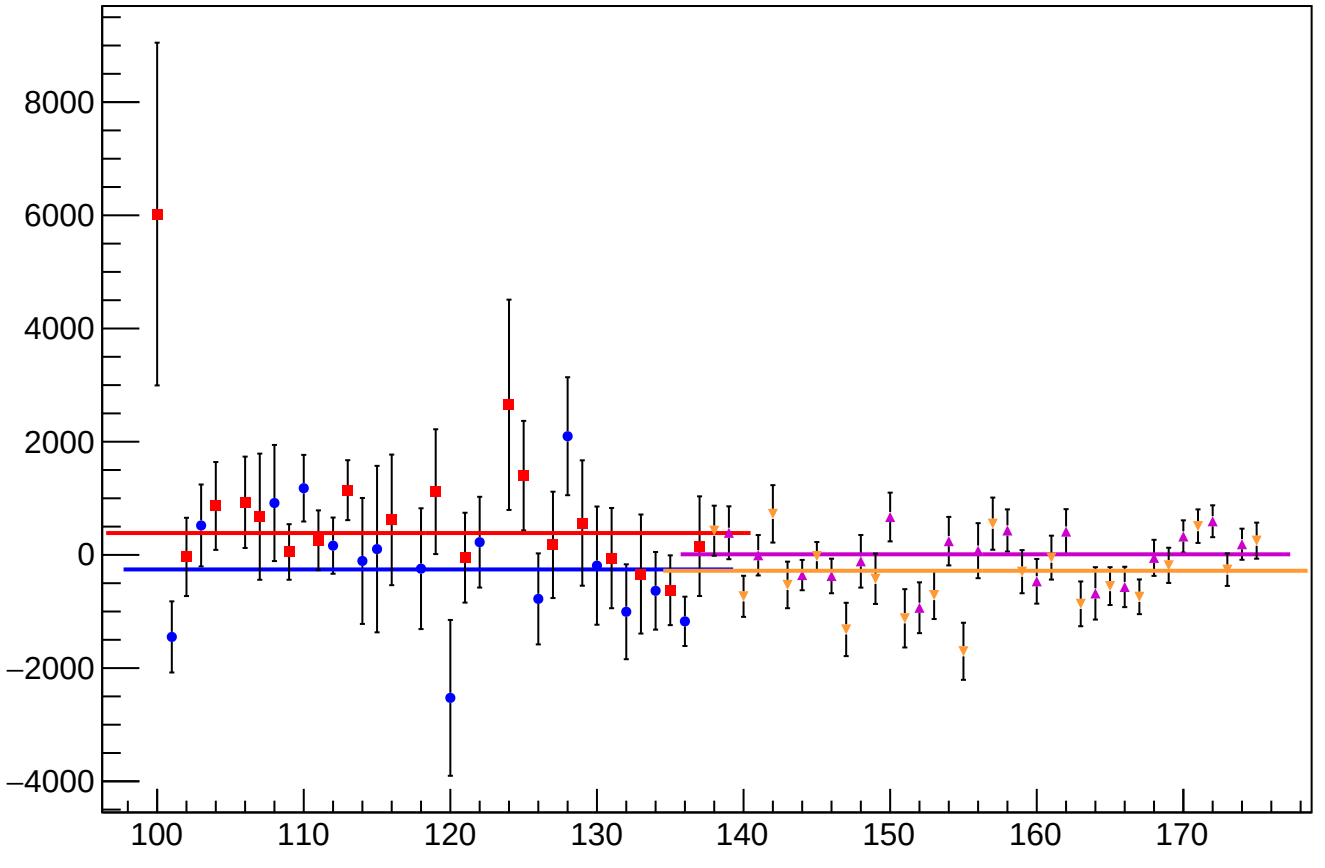
Left: 310.582+/-0.041 χ^2/NDF: 2442797.5/37

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 337.517+/-0.053 χ^2/NDF:3326885.5/33

Out: 336.211+/-0.051 χ^2/NDF:3602159.5/38

All: 336.843+/-0.037 χ^2/NDF: 6929358.1/72



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -280.232+/-81.808 χ^2/NDF:44.8/19

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 10.548+/-83.835 χ^2/NDF:25.8/17

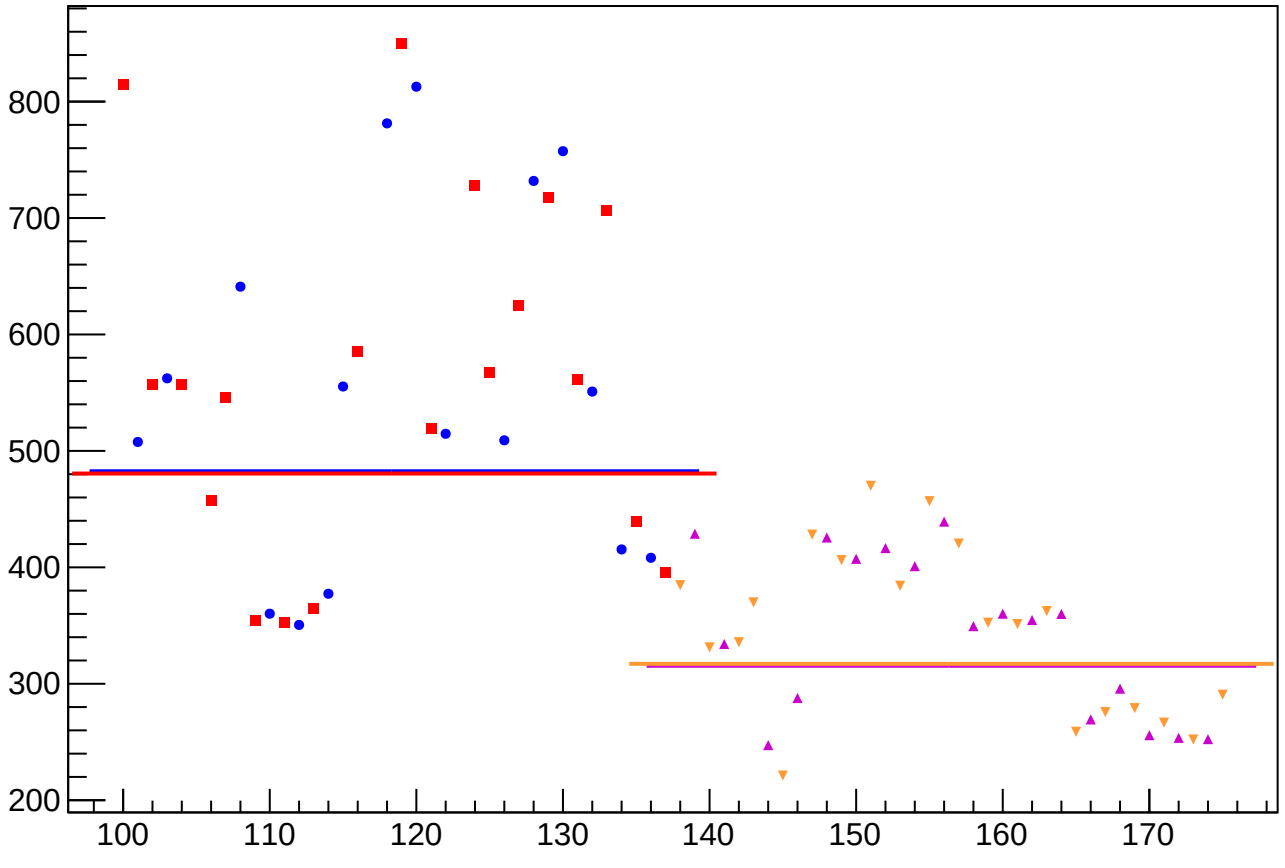
Left: -138.399+/-58.550 χ^2/NDF: 76.8/37

Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -34.399+/-76.462 χ^2/NDF:54.5/33

Out: -168.544+/-74.642 χ^2/NDF:70.1/38

All: -103.087+/-53.412 χ^2/NDF: 126.2/72



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 317.141+/-0.058 χ^2/NDF:1415397.3/19

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 315.486+/-0.059 χ^2/NDF:1194019.0/17

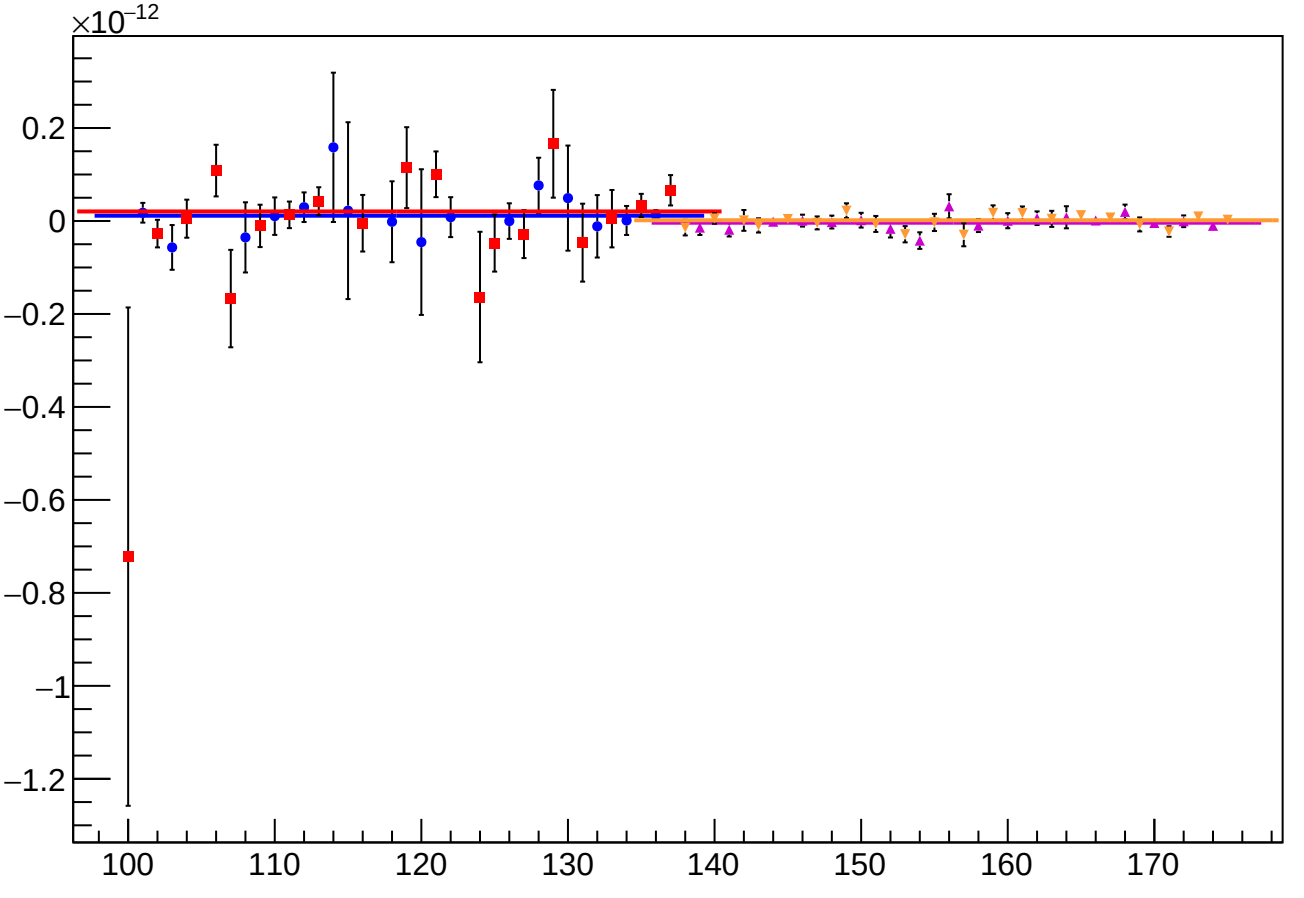
Left: 316.334+/-0.041 χ^2/NDF: 2609815.5/37

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 343.573+/-0.054 χ^2/NDF:3475480.6/33

Out: 344.518+/-0.053 χ^2/NDF:3746175.7/38

All: 344.057+/-0.038 χ^2/NDF: 7221812.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/17

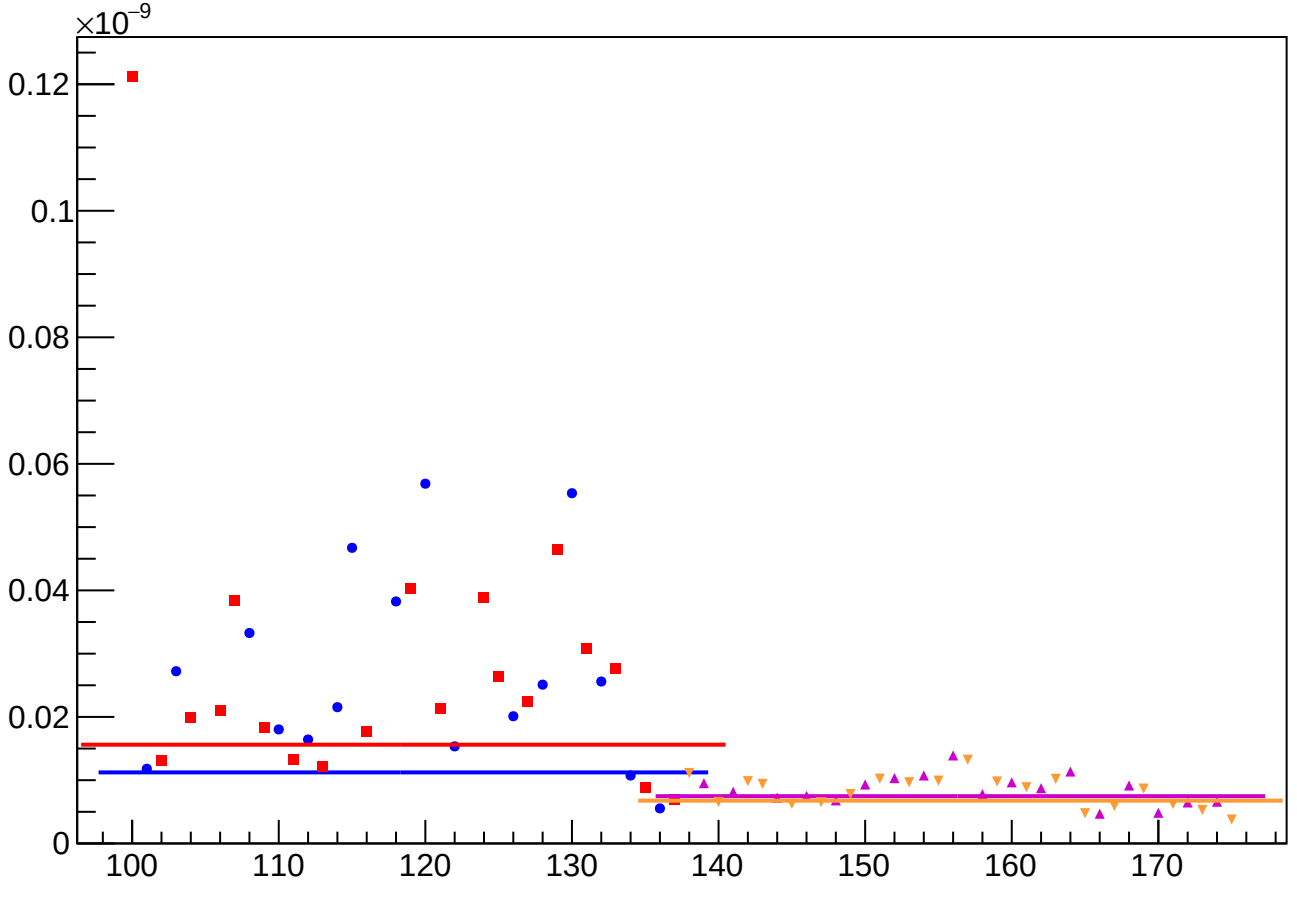
Left: -0.000+/-0.000 χ^2/NDF: 31.5/37

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:21.1/33

Out: 0.000+/-0.000 χ^2/NDF:44.3/38

All: 0.000+/-0.000 χ^2/NDF: 66.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1327037.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:768616.0/17

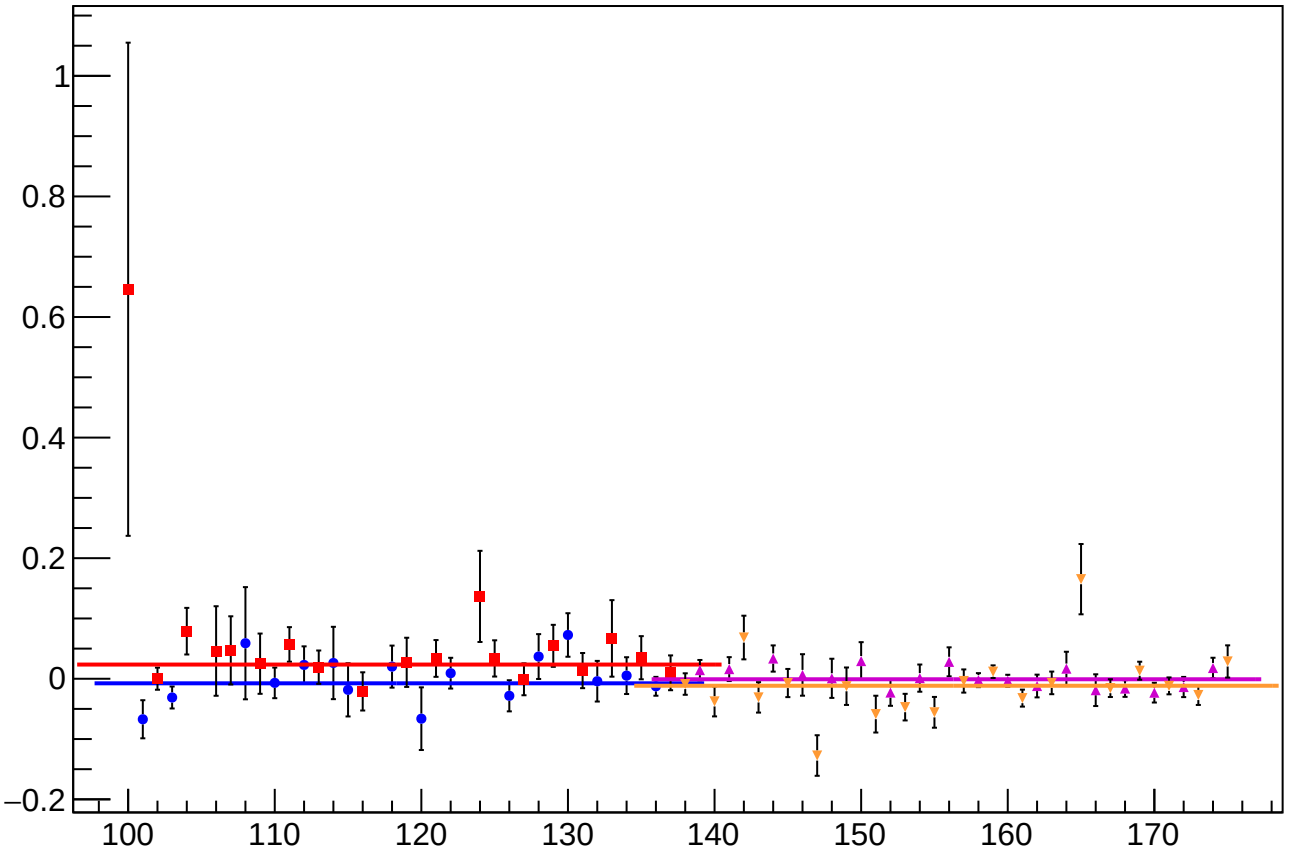
Left: 0.000+/-0.000 χ^2/NDF: 2149975.9/37

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3251680.3/33

Out: 0.000+/-0.000 χ^2/NDF:3892280.3/38

All: 0.000+/-0.000 χ^2/NDF: 7188440.7/72



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

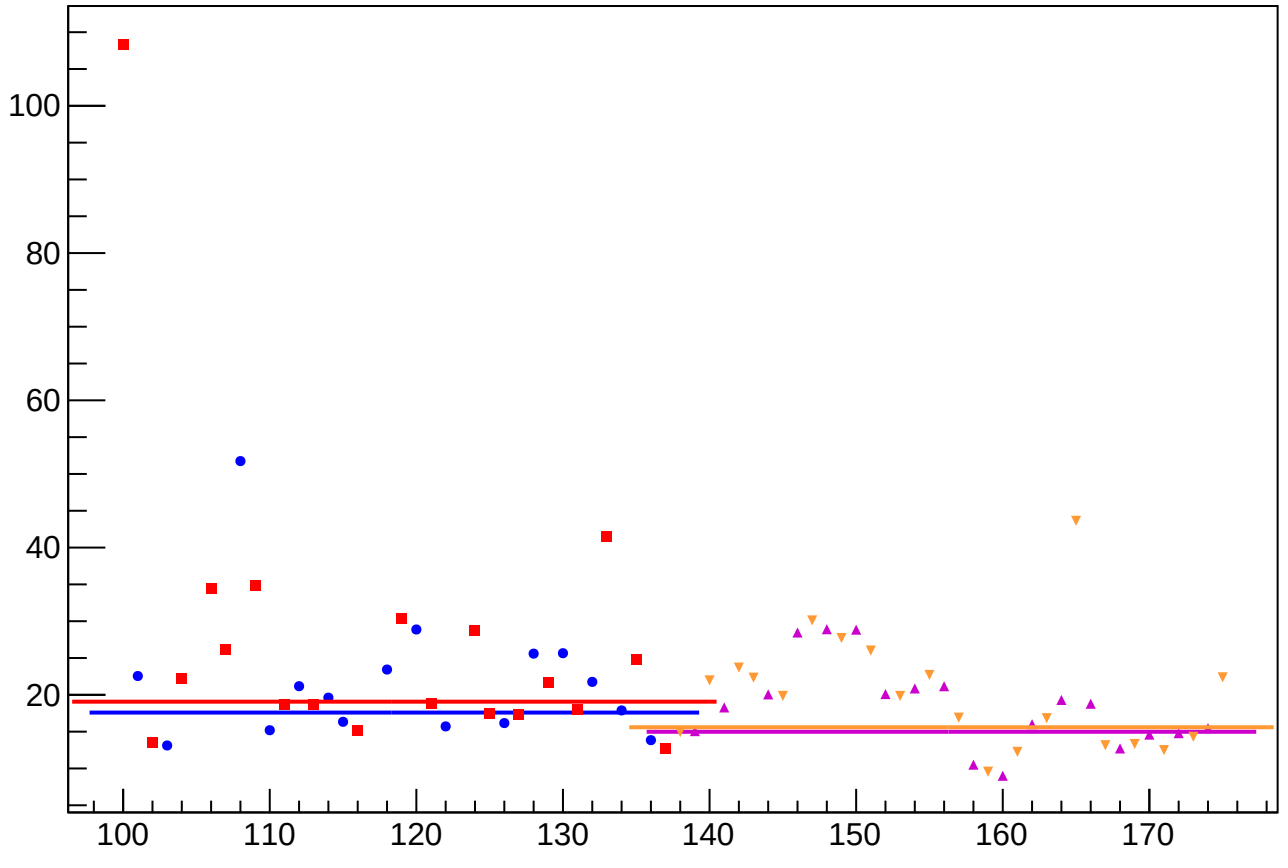
Left: -0.006+/-0.003 χ^2/NDF: 65.7/37

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.4/72



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177613.0/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

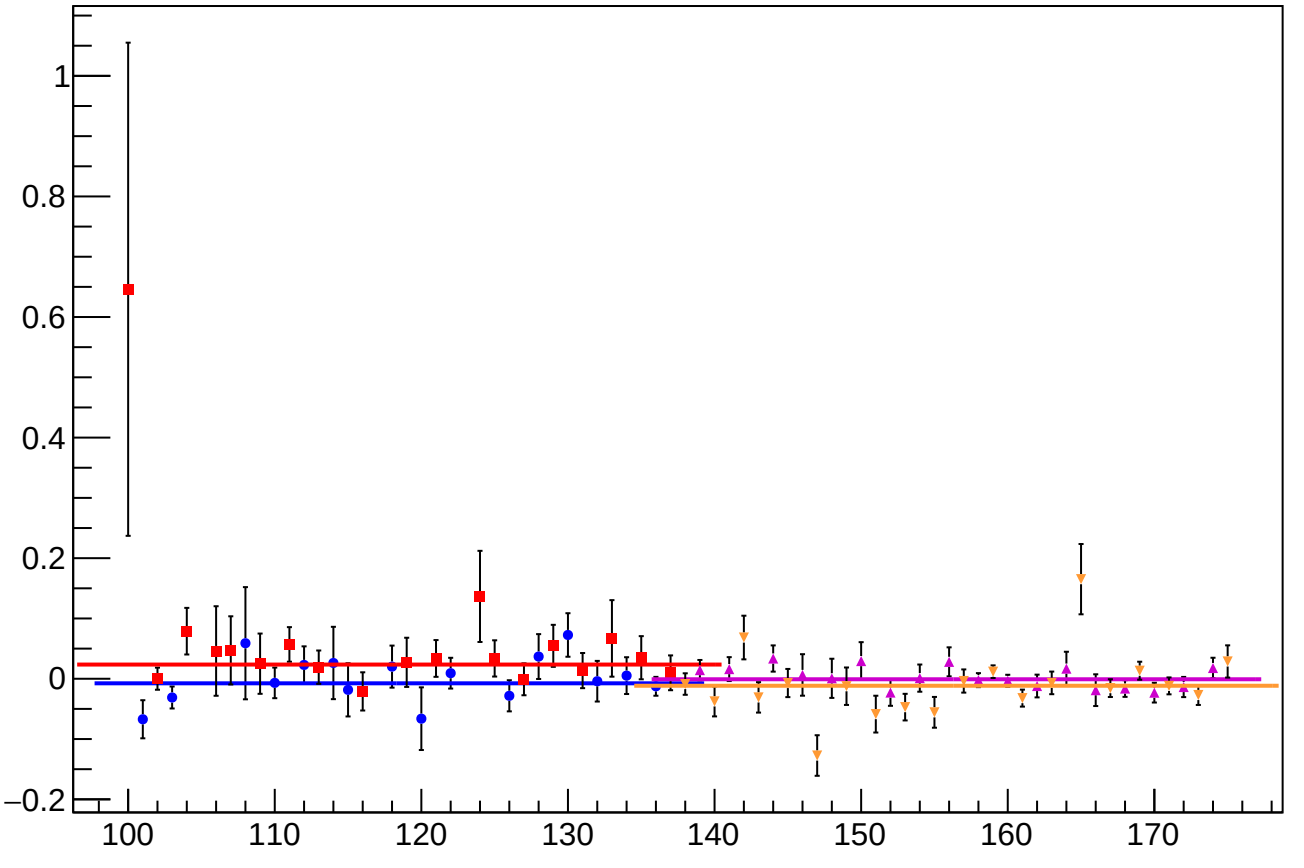
Left: 15.286+/-0.002 χ^2/NDF: 5966544.1/37

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.653+/-0.003 χ^2/NDF:3956435.6/33

Out: 16.408+/-0.003 χ^2/NDF:4734472.6/38

All: 16.021+/-0.002 χ^2/NDF: 8732570.0/72



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

Left: -0.006+/-0.003 χ^2/NDF: 65.7/37

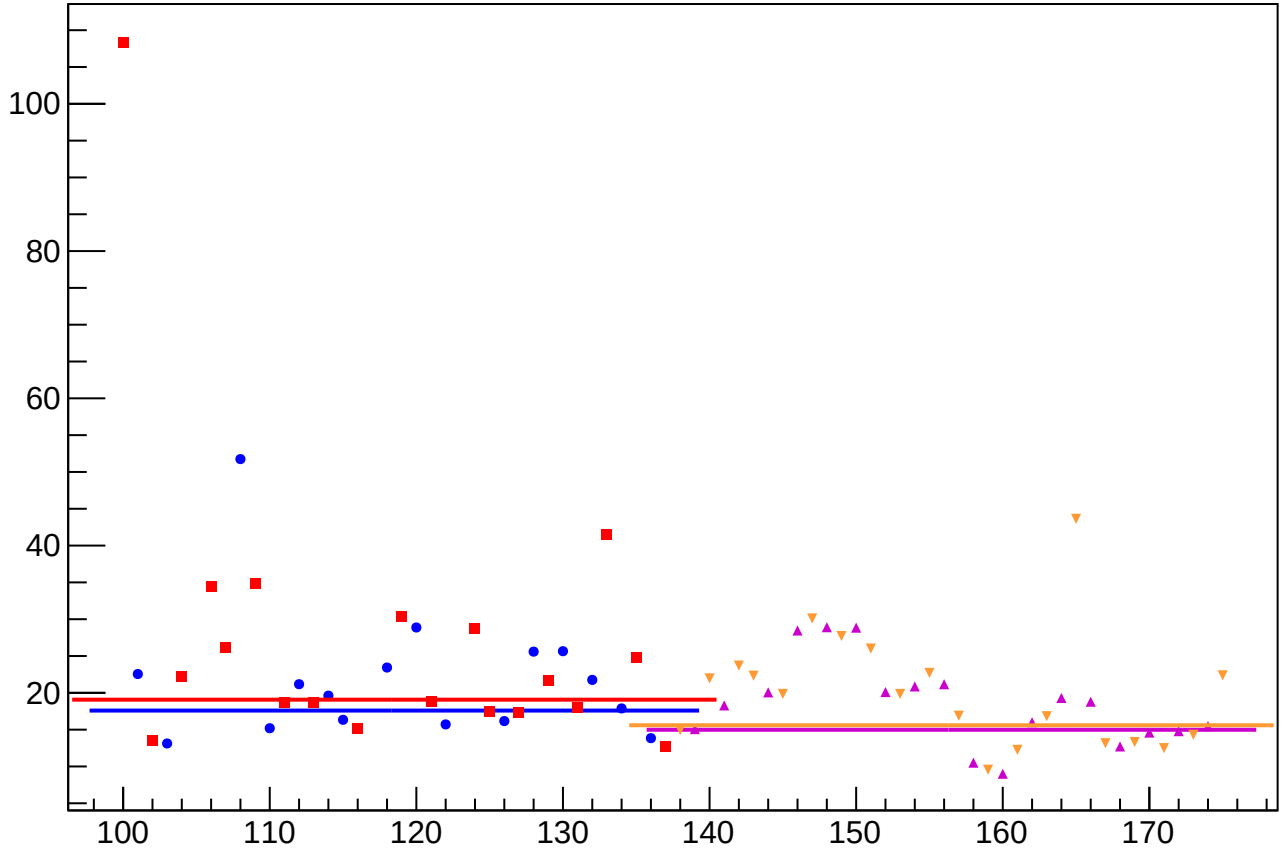
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.4/72

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177613.0/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

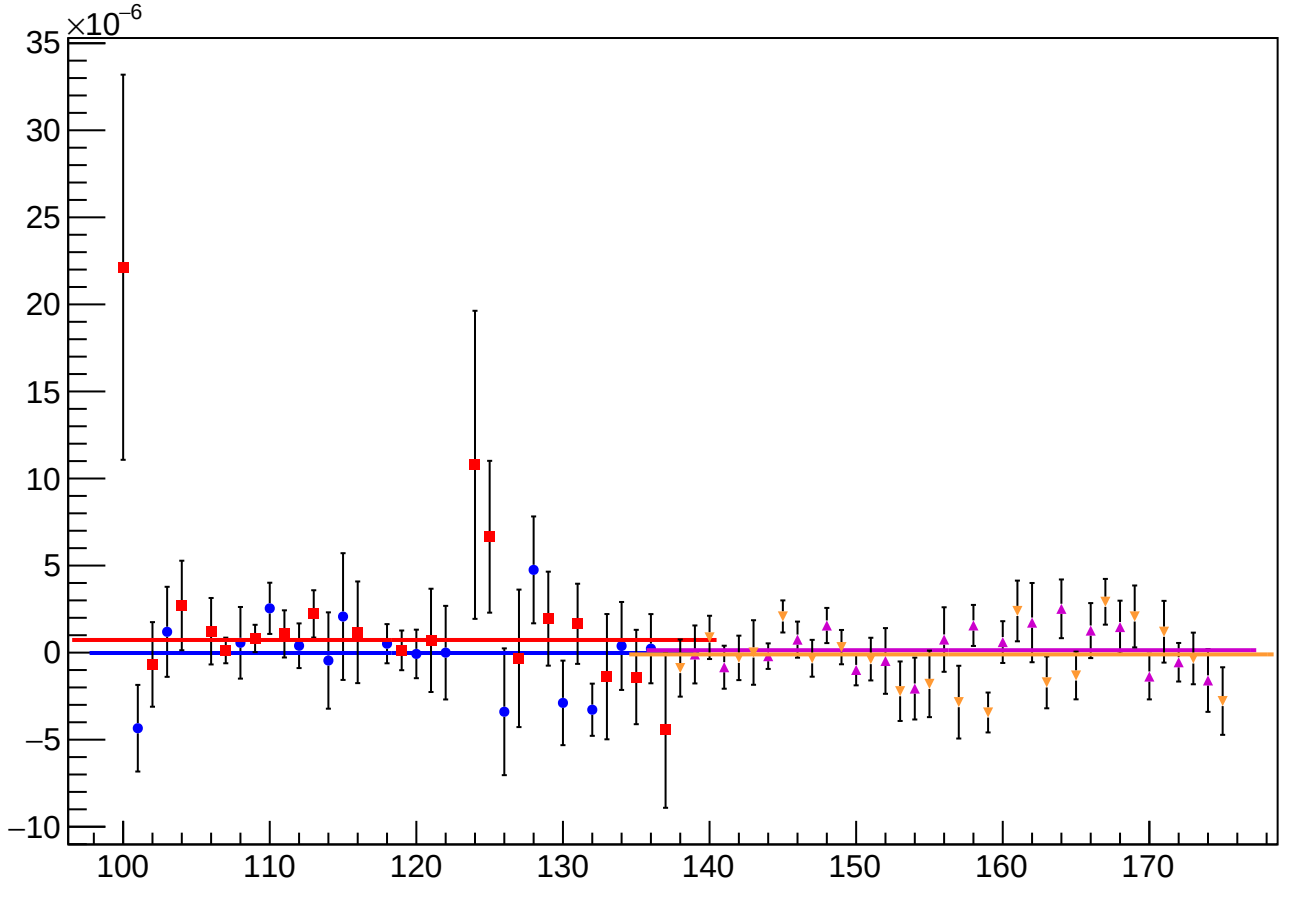
Left: 15.286+/-0.002 χ^2/NDF: 5966544.1/37

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.653+/-0.003 χ^2/NDF:3956435.6/33

Out: 16.408+/-0.003 χ^2/NDF:4734472.6/38

All: 16.021+/-0.002 χ^2/NDF: 8732570.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/17

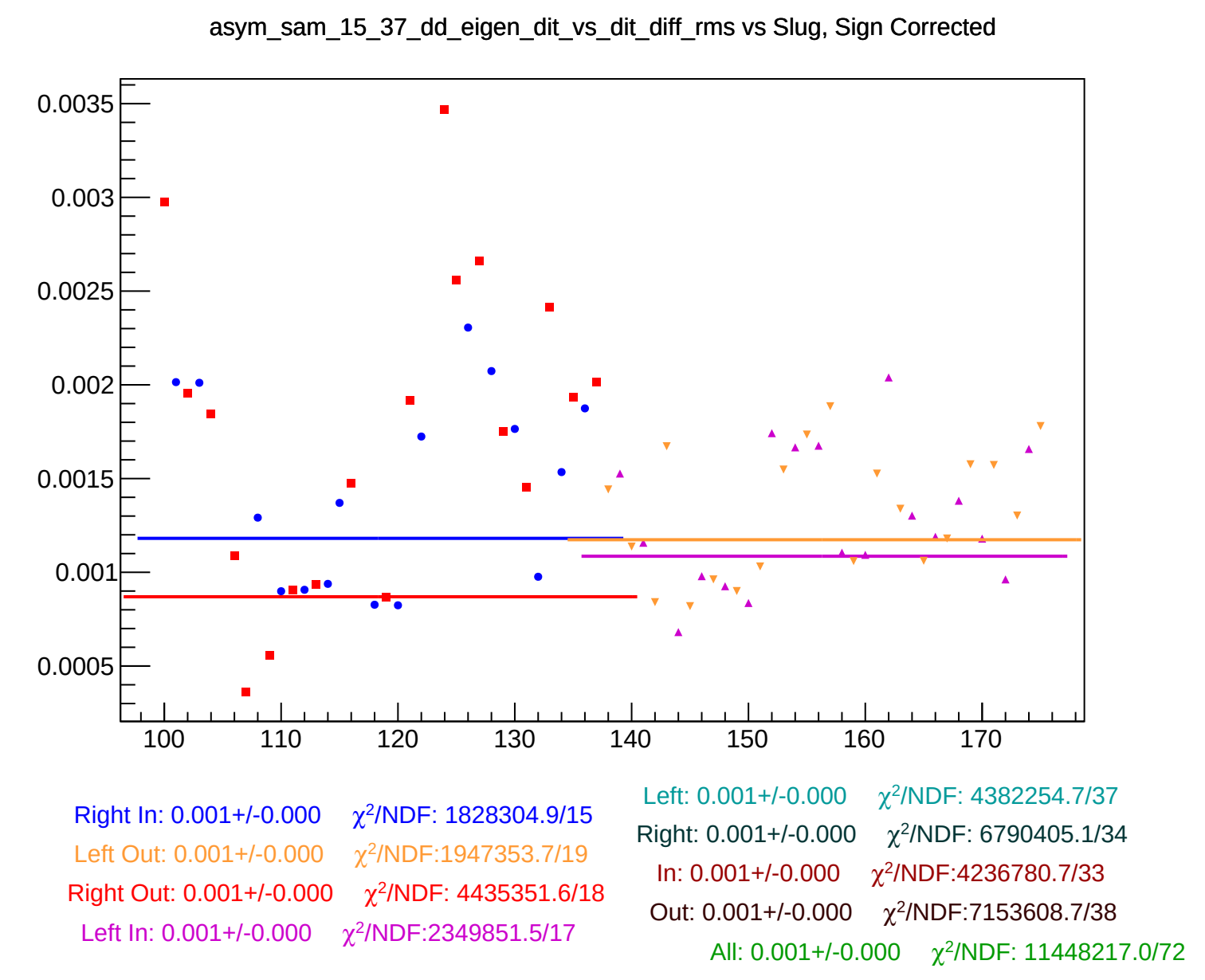
Left: 0.000+/-0.000 χ^2/NDF: 47.4/37

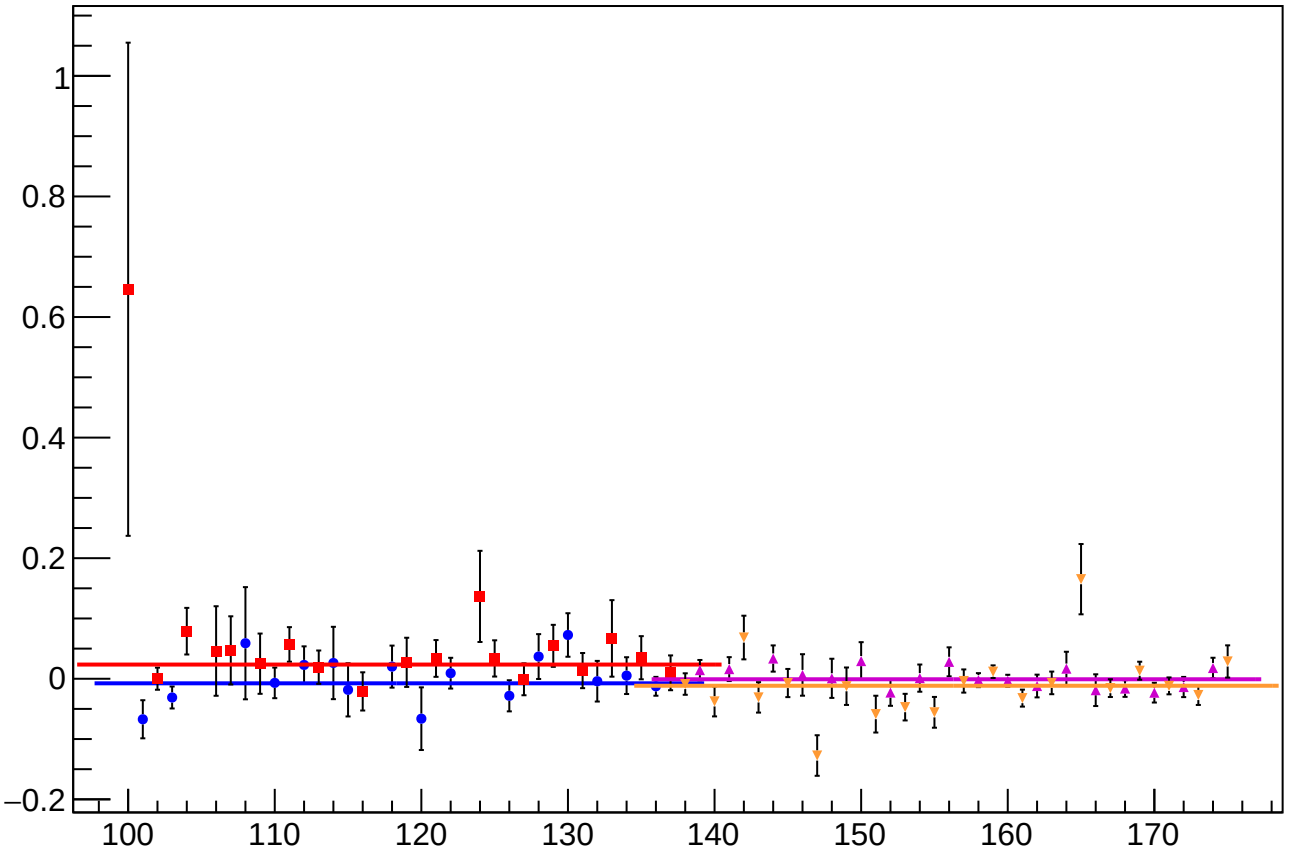
Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:31.2/33

Out: 0.000+/-0.000 χ^2/NDF:48.3/38

All: 0.000+/-0.000 χ^2/NDF: 79.6/72


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1947353.7/19
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2349851.5/17
Left: 0.001+/-0.000 χ²/NDF: 4382254.7/37
Right: 0.001+/-0.000 χ²/NDF: 6790405.1/34
In: 0.001+/-0.000 χ²/NDF:4236780.7/33
Out: 0.001+/-0.000 χ²/NDF:7153608.7/38
All: 0.001+/-0.000 χ²/NDF: 11448217.0/72



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

Left: -0.006+/-0.003 χ^2/NDF: 65.7/37

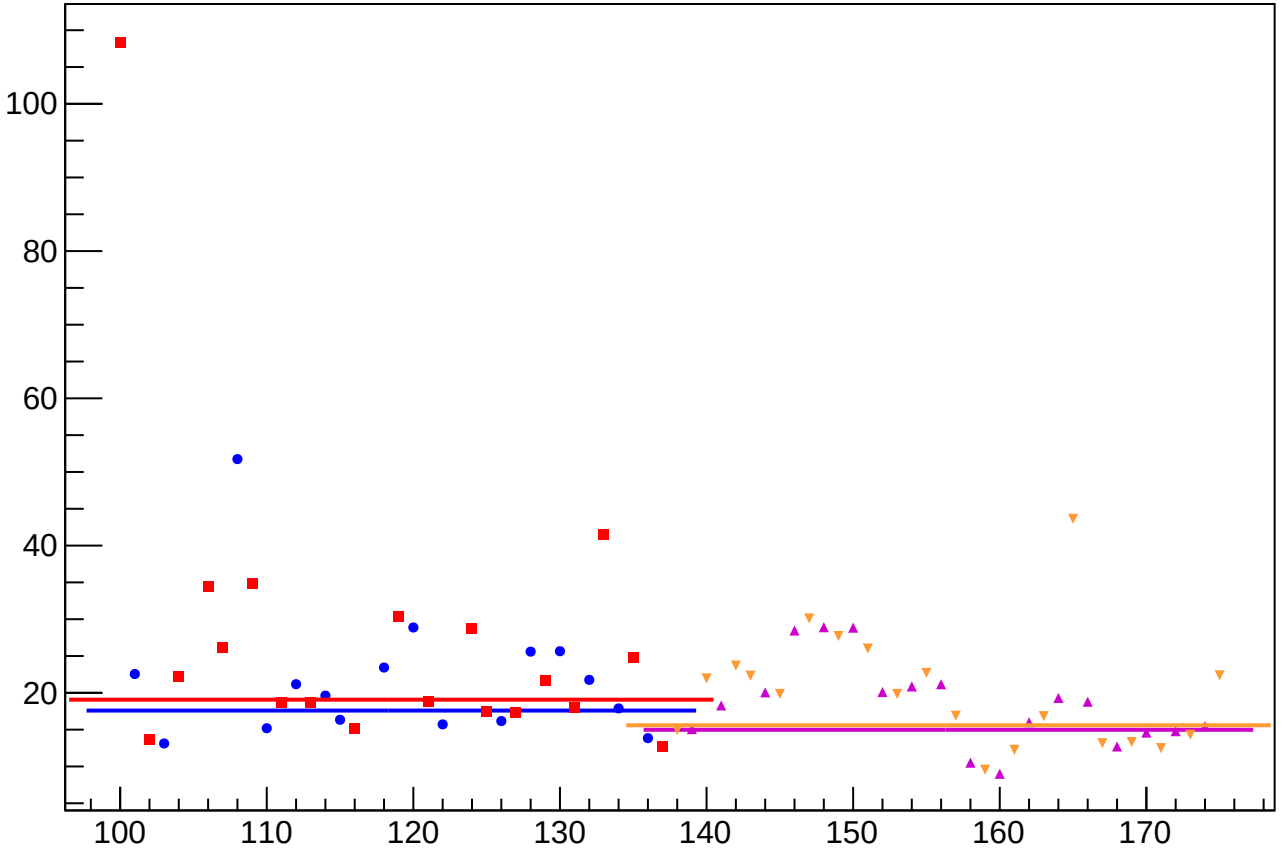
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.4/72

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177863.9/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

Left: 15.286+/-0.002 χ^2/NDF: 5967114.6/37

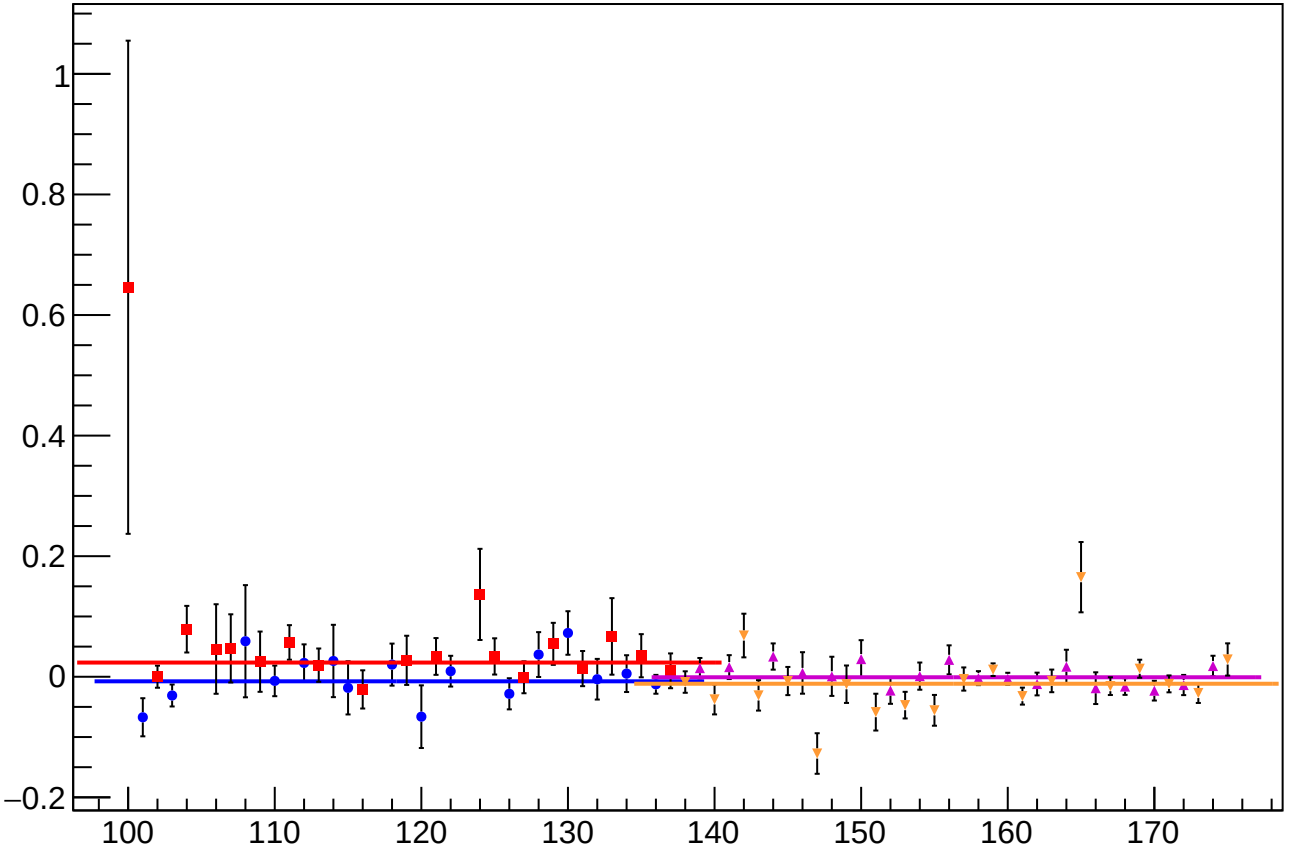
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.653+/-0.003 χ^2/NDF:3956837.4/33

Out: 16.408+/-0.003 χ^2/NDF:4734737.7/38

All: 16.021+/-0.002 χ^2/NDF: 8733248.3/72

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

Left: -0.006+/-0.003 χ^2/NDF: 65.7/37

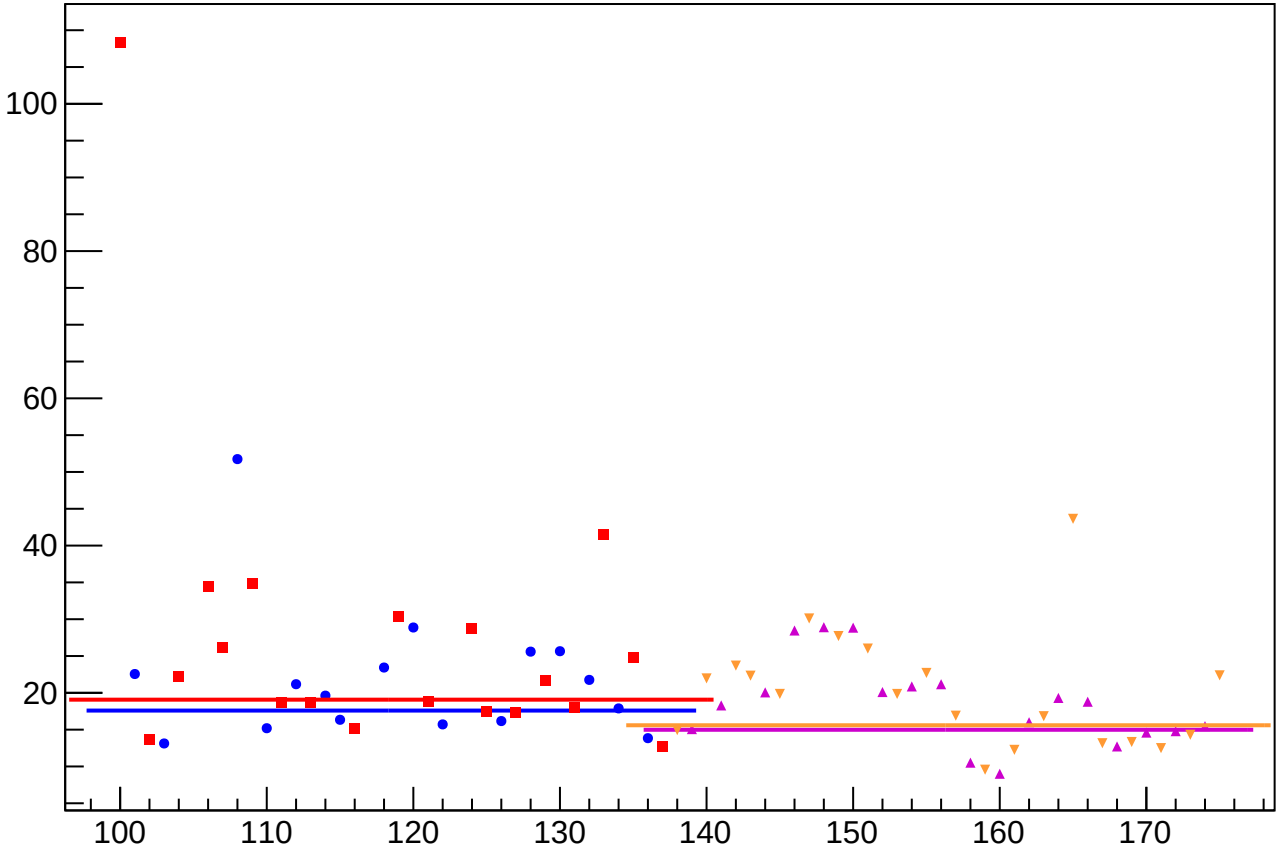
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.4/72

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177863.9/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

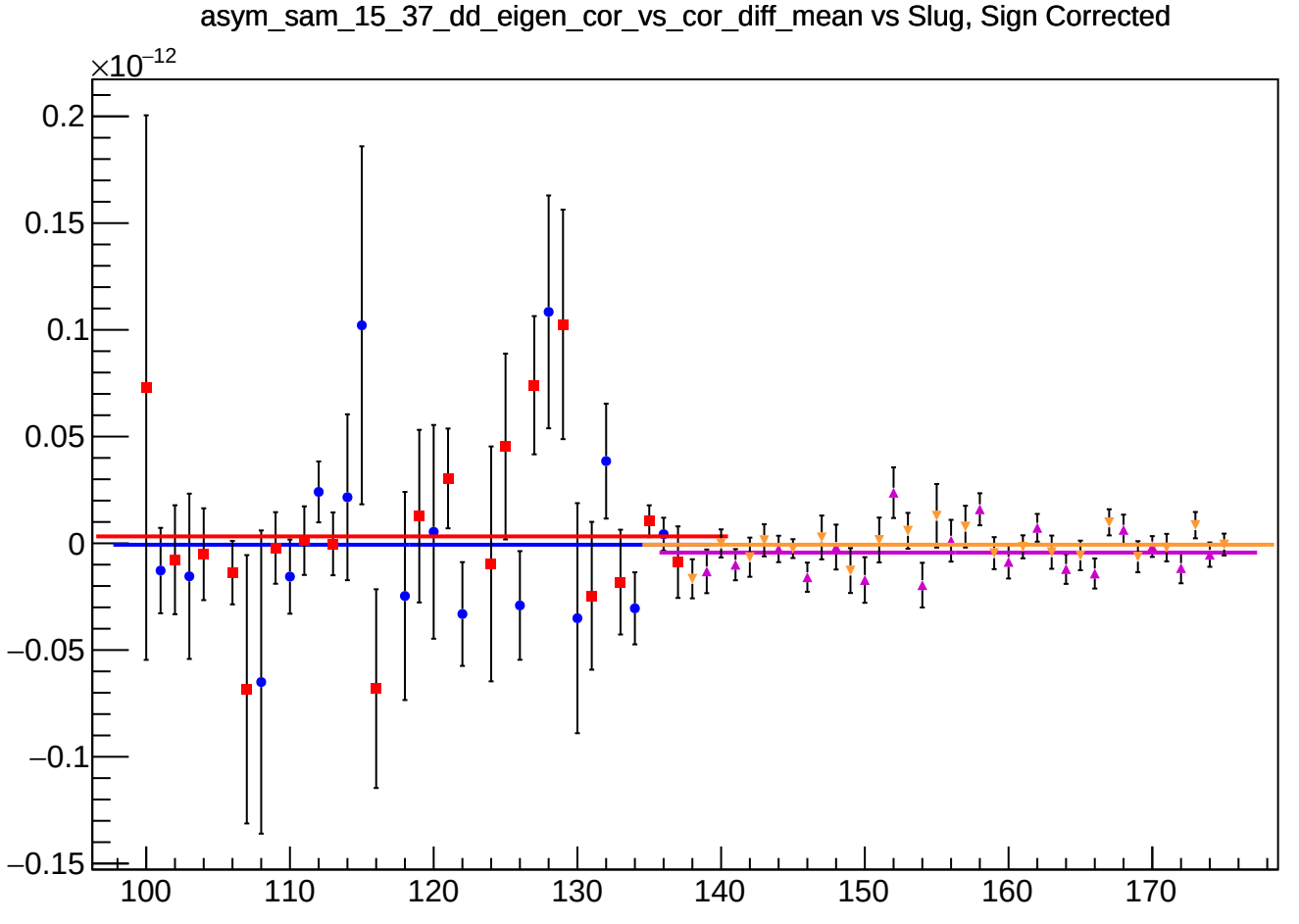
Left: 15.286+/-0.002 χ^2/NDF: 5967114.6/37

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.653+/-0.003 χ^2/NDF:3956837.4/33

Out: 16.408+/-0.003 χ^2/NDF:4734737.7/38

All: 16.021+/-0.002 χ^2/NDF: 8733248.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:31.4/17

Left: -0.000+/-0.000 χ^2/NDF: 48.1/37

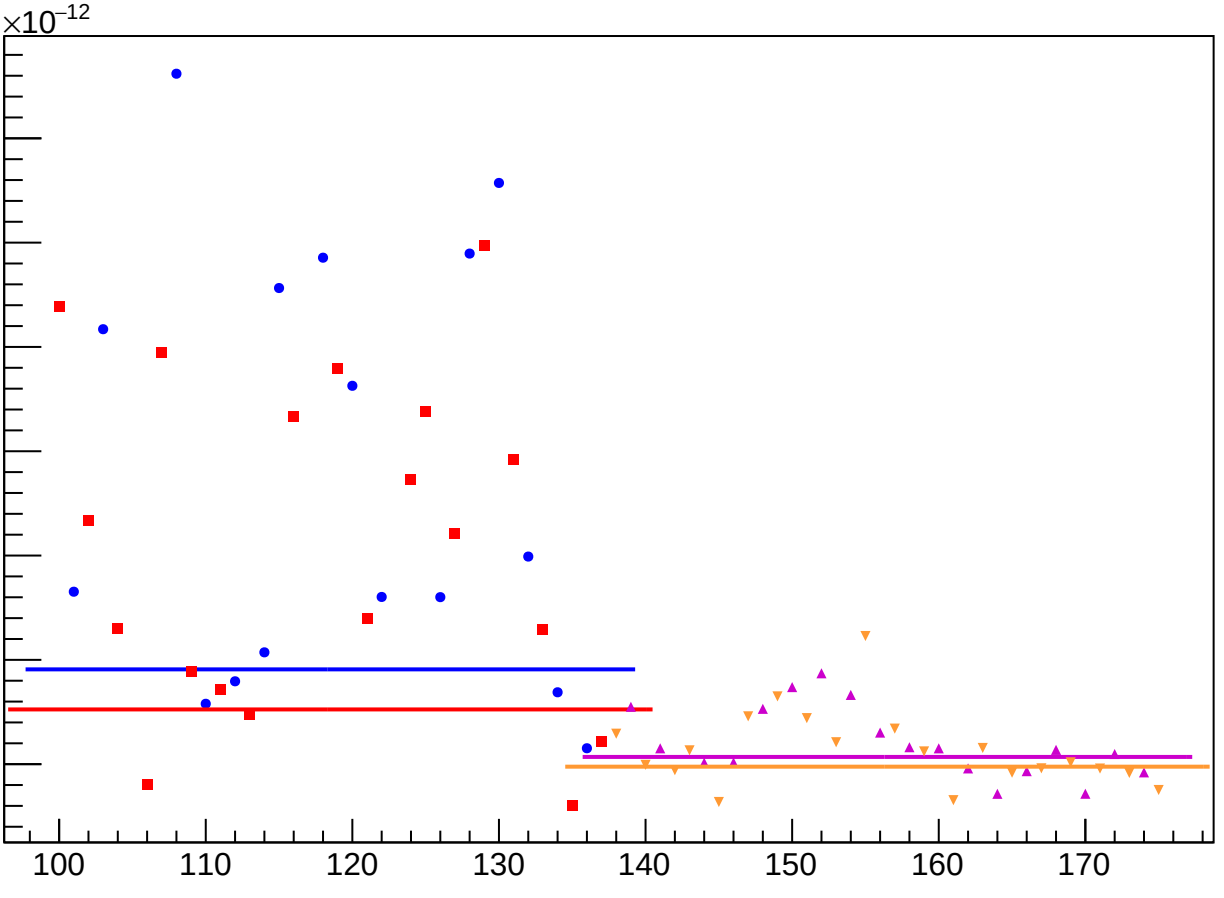
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:52.1/33

Out: -0.000+/-0.000 χ^2/NDF:34.1/38

All: -0.000+/-0.000 χ^2/NDF: 89.0/72

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582652.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1309835.6/17

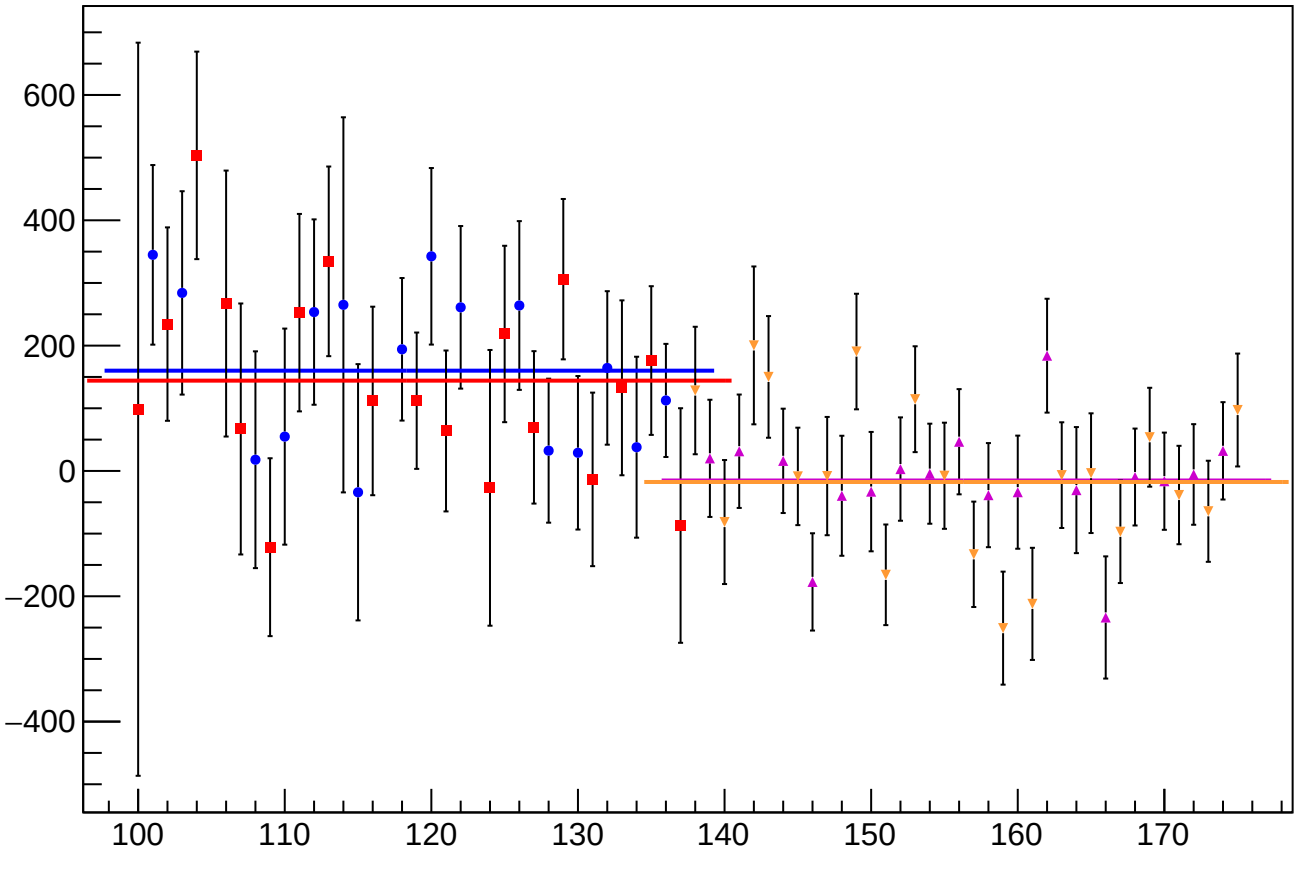
Left: 0.000+/-0.000 χ^2/NDF: 2971205.2/37

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:5170204.3/33

Out: 0.000+/-0.000 χ^2/NDF:5333651.1/38

All: 0.000+/-0.000 χ^2/NDF: 10651007.1/72



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.622+/-19.664 χ^2/NDF:36.6/19

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -15.253+/-20.167 χ^2/NDF:16.0/17

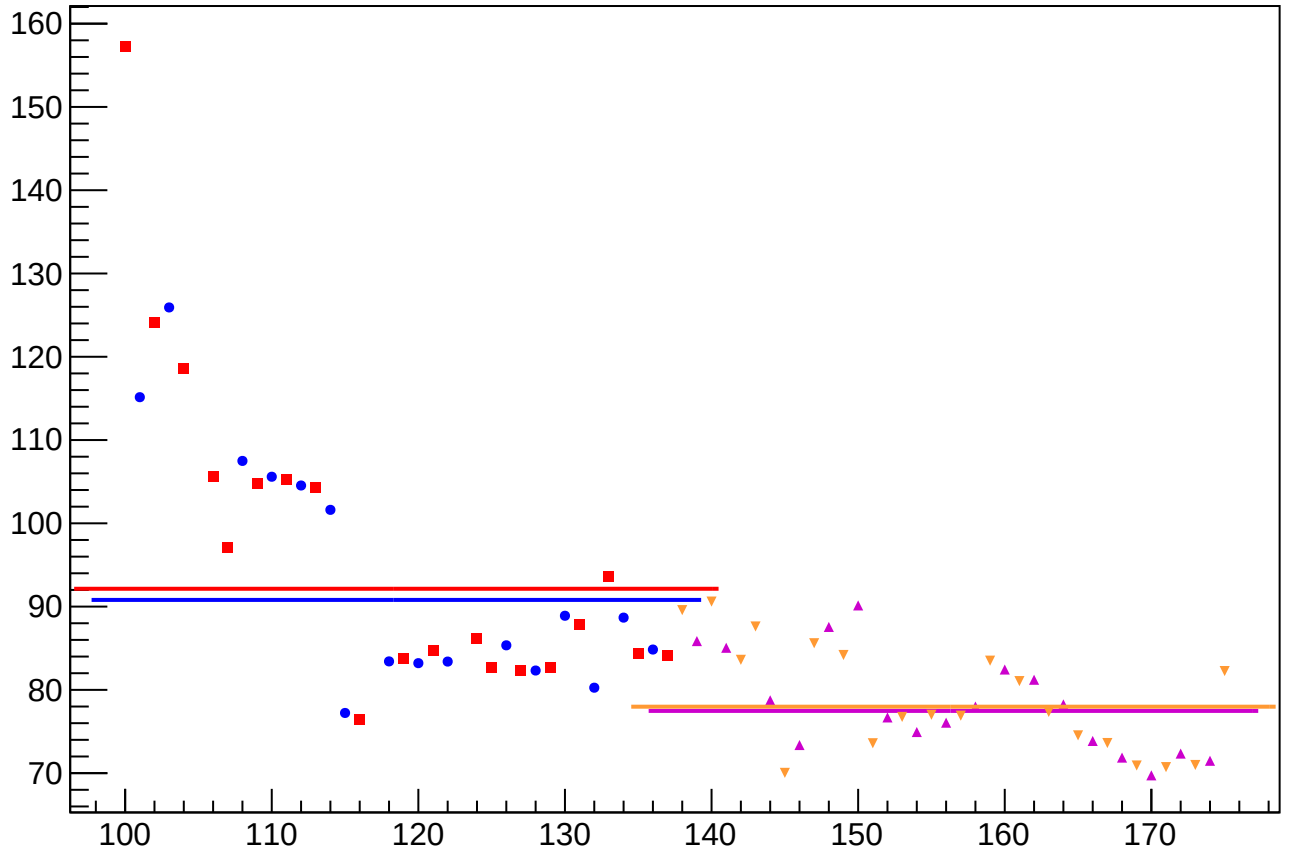
Left: -16.468+/-14.079 χ^2/NDF: 52.6/37

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 30.029+/-17.368 χ^2/NDF:46.6/33

Out: 22.538+/-17.049 χ^2/NDF:70.8/38

All: 26.214+/-12.166 χ^2/NDF: 117.4/72



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

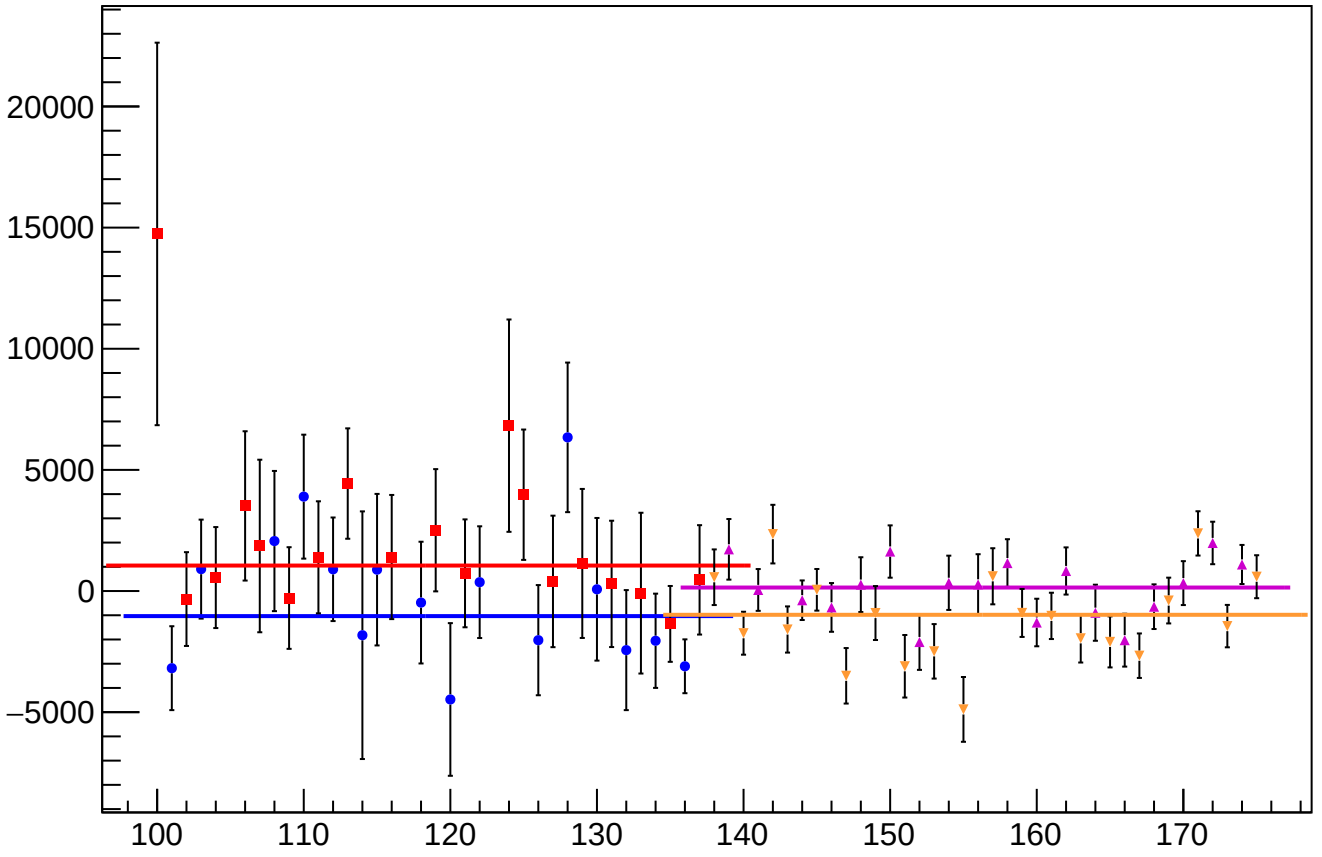
Left: 77.734+/-0.010 χ^2/NDF: 363058.4/37

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.917+/-0.012 χ^2/NDF:657725.6/33

Out: 81.497+/-0.012 χ^2/NDF:762654.2/38

All: 81.213+/-0.009 χ^2/NDF: 1421515.9/72



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -981.038+/-226.247 χ^2/NDF:54.5/19

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 144.226+/-234.065 χ^2/NDF:23.5/17

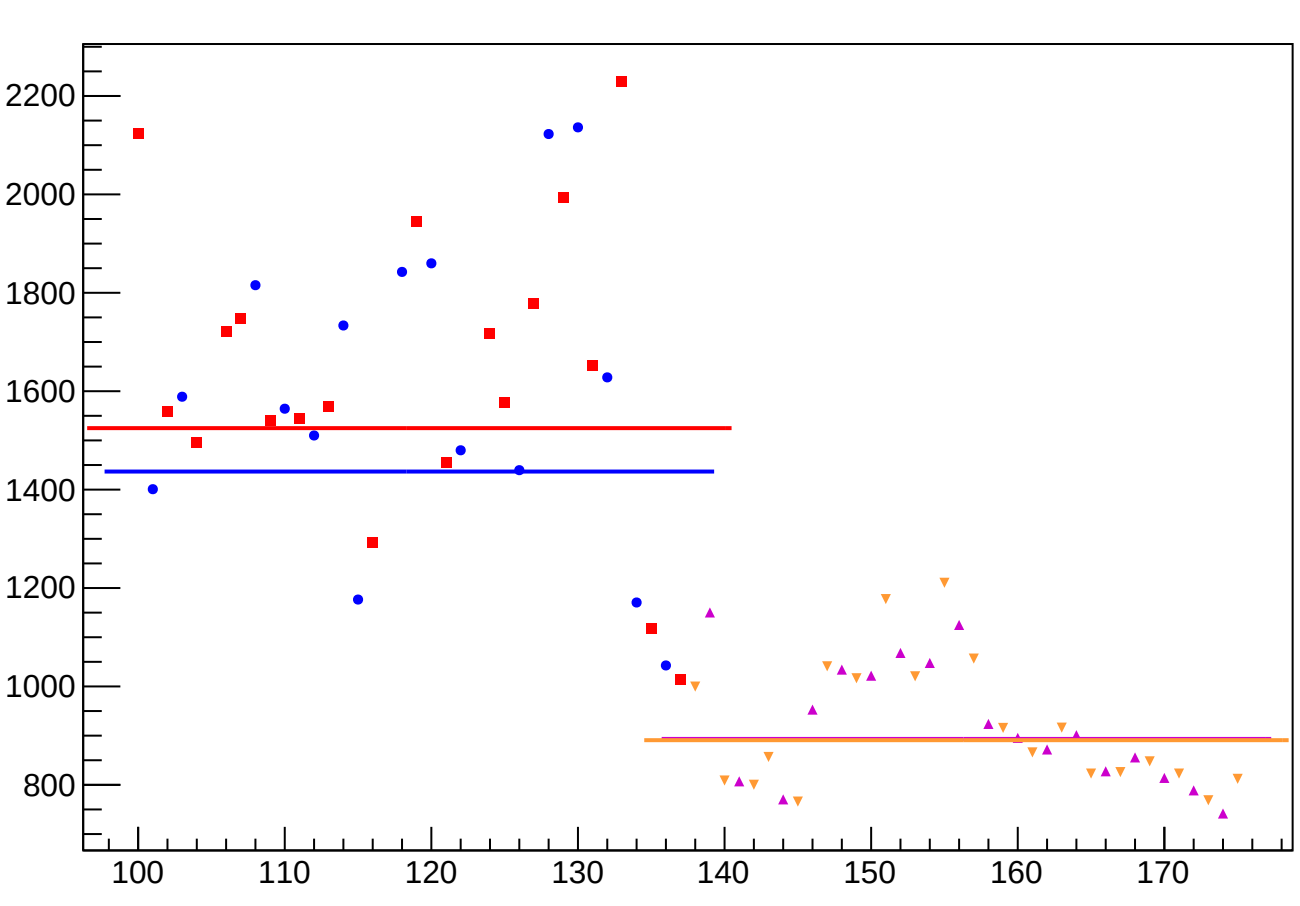
Left: -437.512+/-162.674 χ^2/NDF: 90.0/37

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -36.487+/-215.385 χ^2/NDF:47.6/33

Out: -703.500+/-210.234 χ^2/NDF:78.4/38

All: -378.065+/-150.446 χ^2/NDF: 131.0/72



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 890.782+/-0.160 χ^2/NDF:523806.5/19

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 893.327+/-0.166 χ^2/NDF:497412.7/17

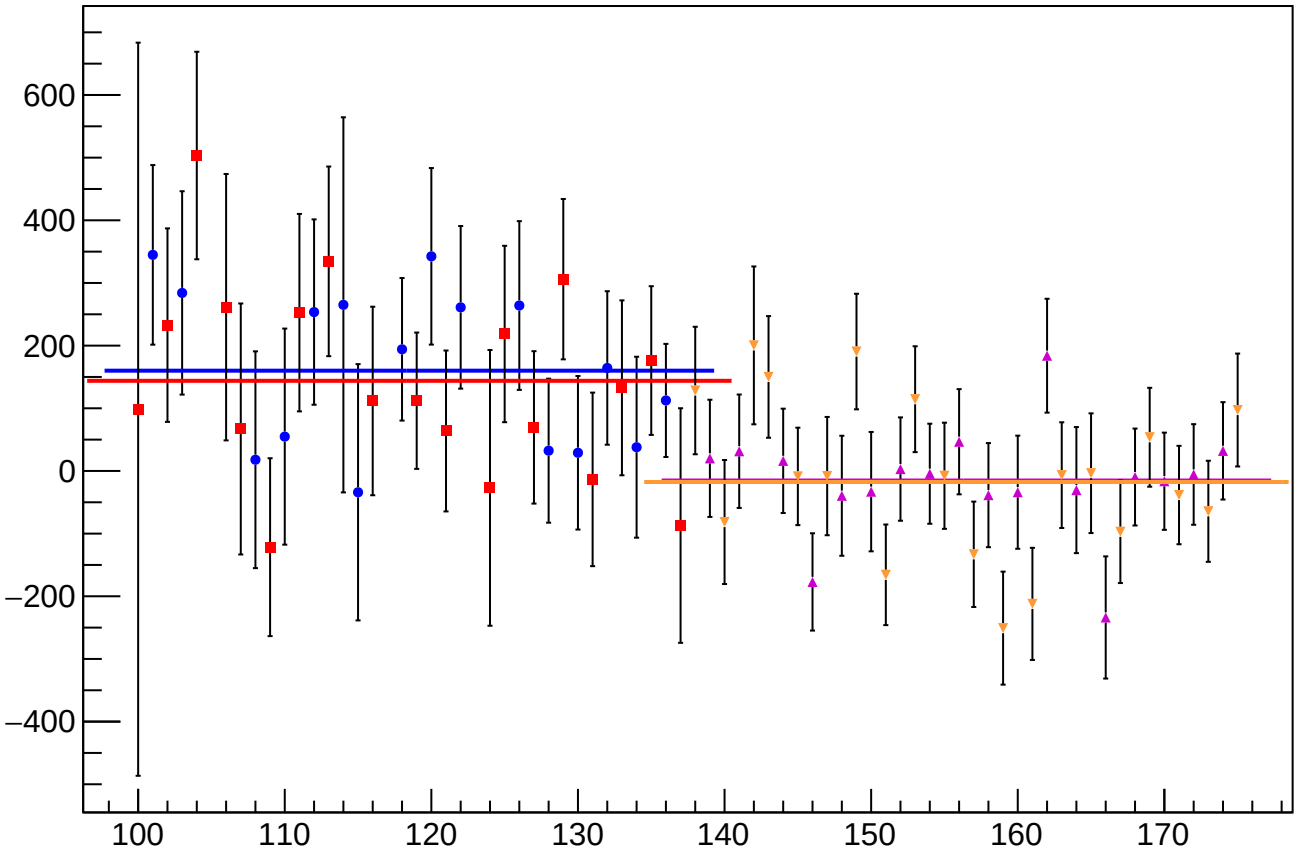
Left: 892.011+/-0.115 χ^2/NDF: 1021341.4/37

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 976.600+/-0.152 χ^2/NDF:2825001.2/33

Out: 977.376+/-0.149 χ^2/NDF:3174027.2/38

All: 976.997+/-0.106 χ^2/NDF: 5999041.7/72



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -15.256+/-20.167 χ^2/NDF:16.0/17

Left: -16.468+/-14.079 χ^2/NDF: 52.5/37

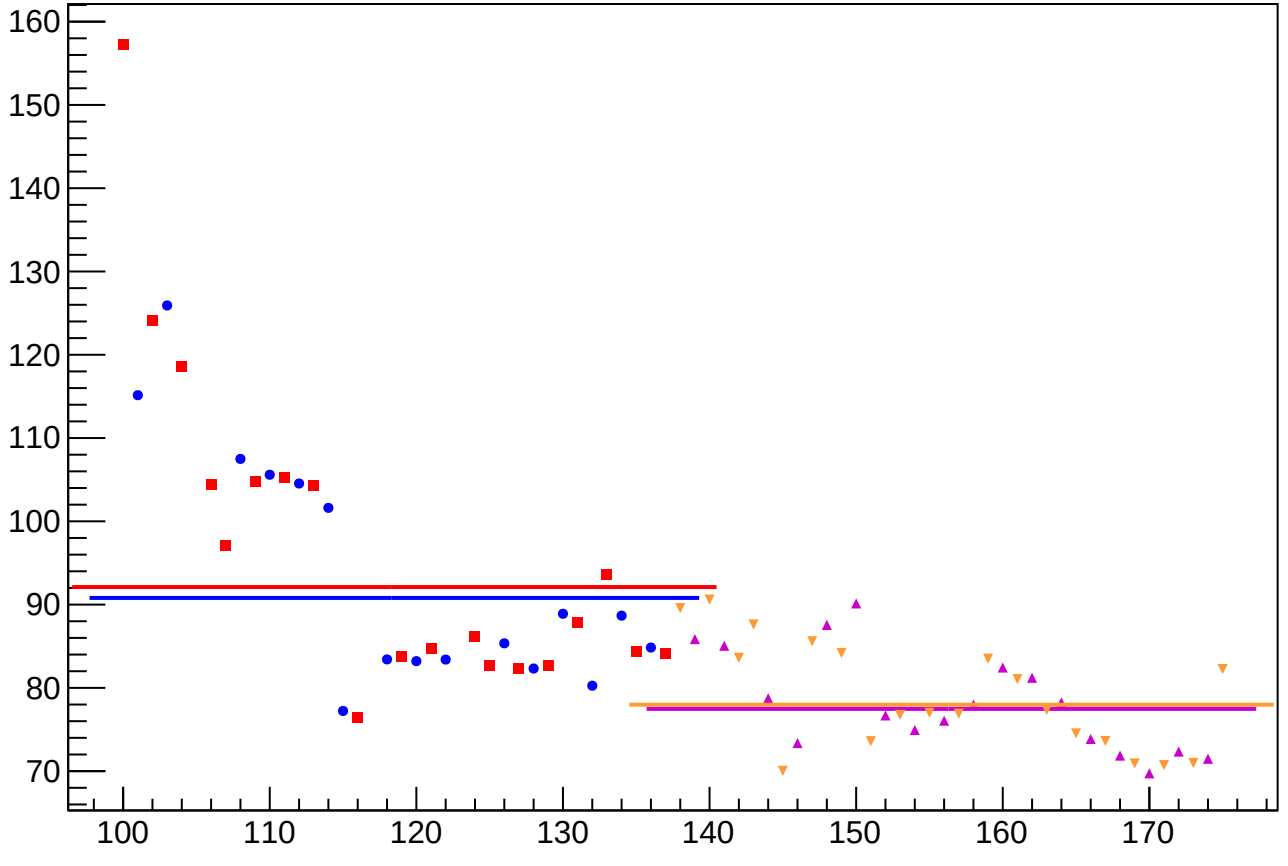
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 30.026+/-17.368 χ^2/NDF:46.6/33

Out: 22.472+/-17.049 χ^2/NDF:70.7/38

All: 26.179+/-12.167 χ^2/NDF: 117.3/72

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

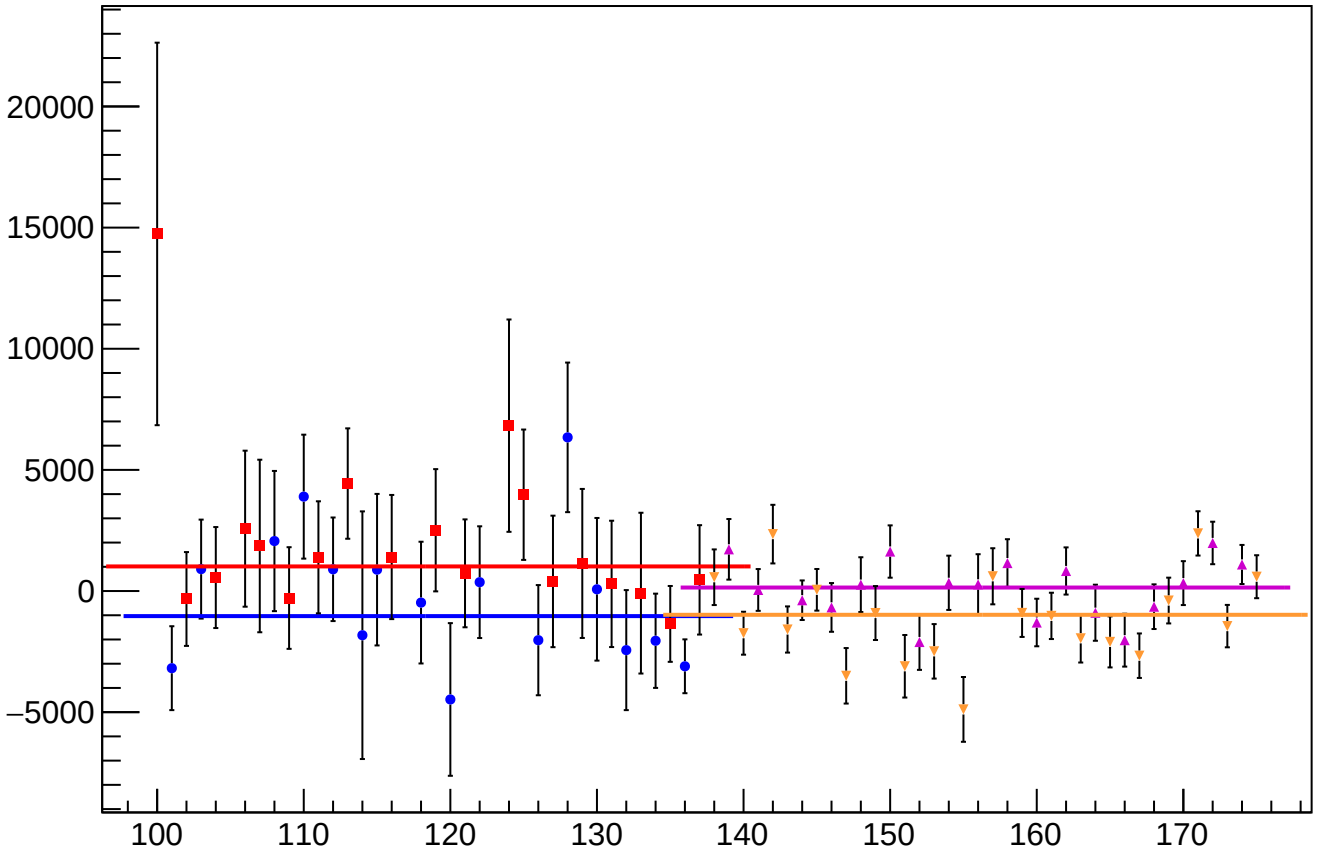
Left: 77.734+/-0.010 χ^2/NDF: 363058.4/37

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.917+/-0.012 χ^2/NDF:657727.6/33

Out: 81.489+/-0.012 χ^2/NDF:760163.8/38

All: 81.208+/-0.009 χ^2/NDF: 1418994.3/72



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 144.225+/-234.065 χ^2/NDF:23.5/17

Left: -437.510+/-162.674 χ^2/NDF: 90.0/37

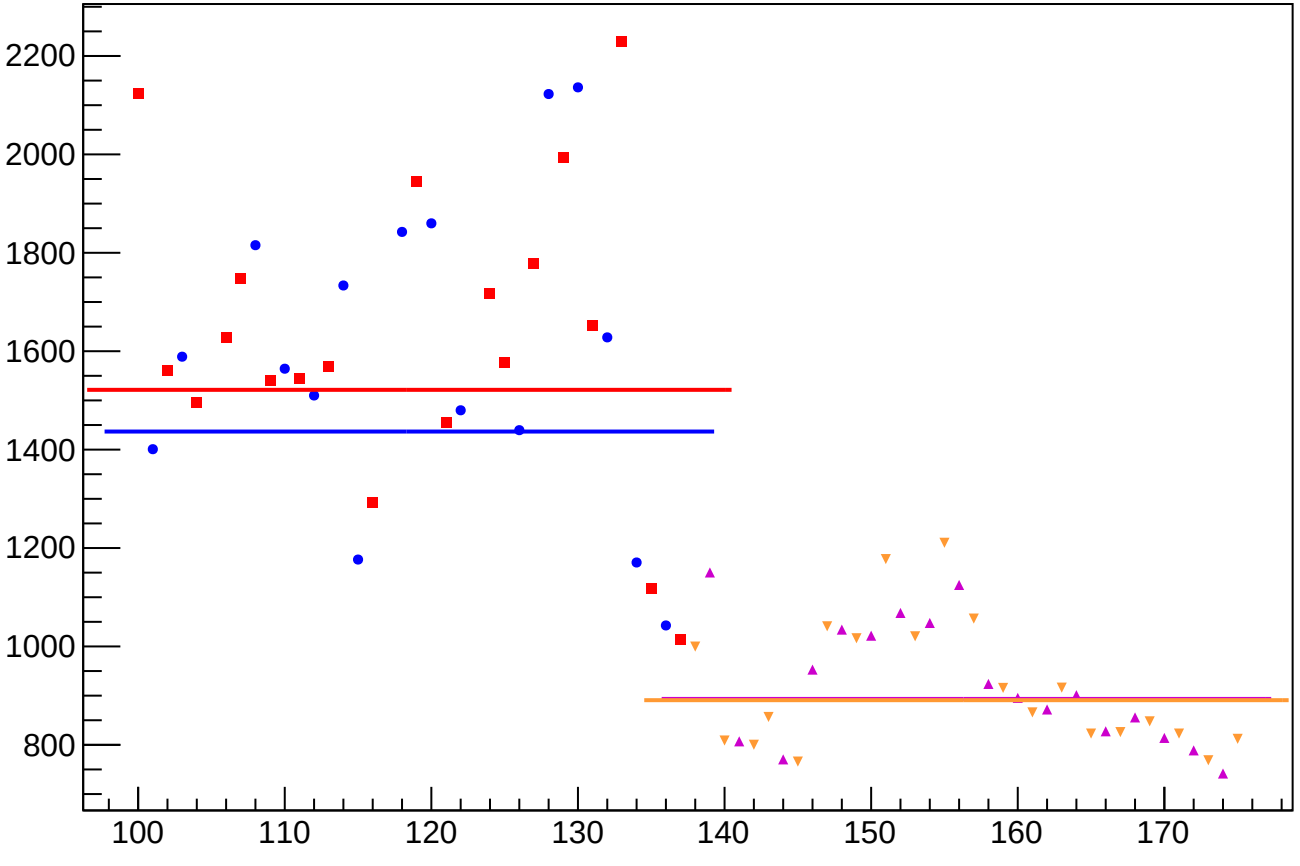
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -36.483+/-215.385 χ^2/NDF:47.6/33

Out: -709.123+/-210.276 χ^2/NDF:77.6/38

All: -380.875+/-150.461 χ^2/NDF: 130.2/72

asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

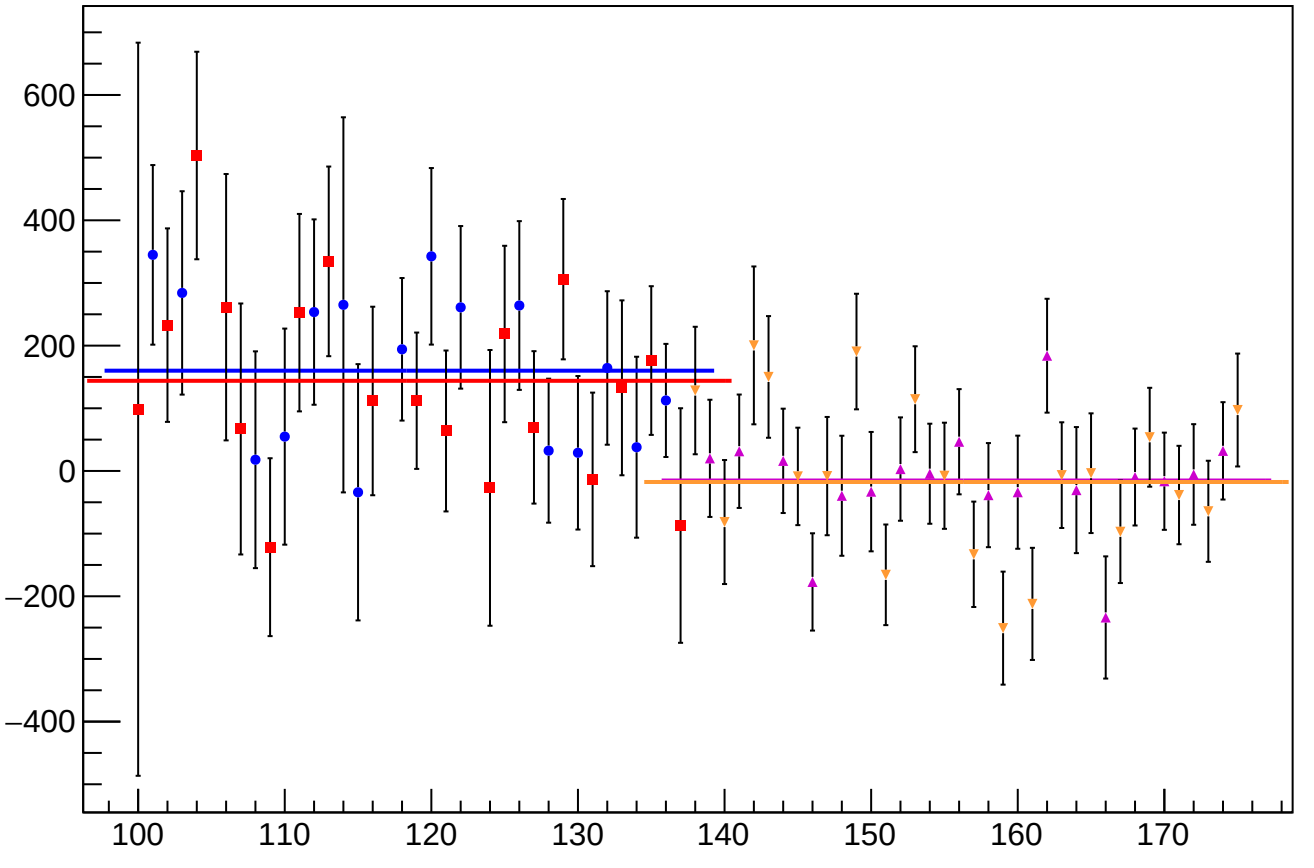
Left: 892.011+/-0.115 χ^2/NDF: 1021342.2/37

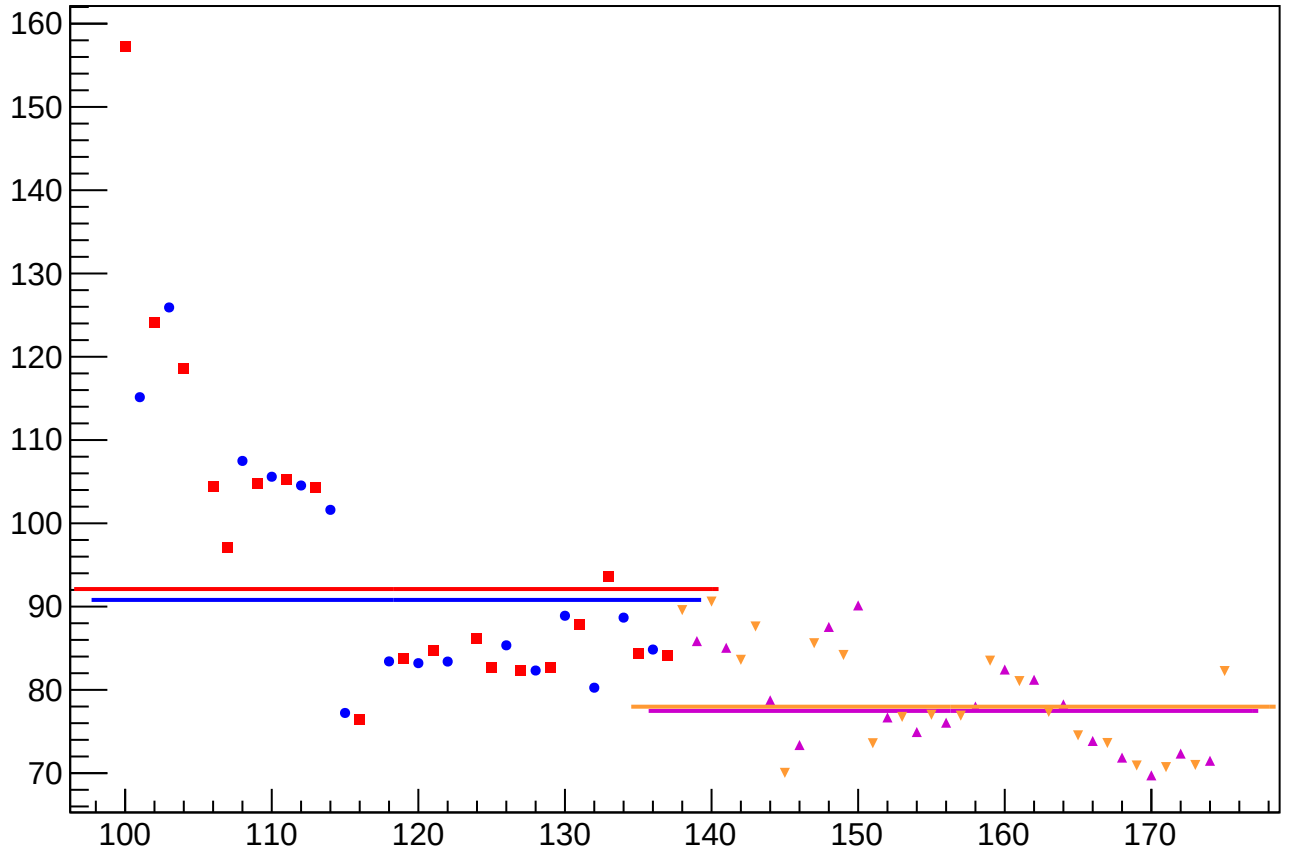
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 976.600+/-0.152 χ^2/NDF:2825020.9/33

Out: 976.685+/-0.149 χ^2/NDF:3139097.7/38

All: 976.644+/-0.106 χ^2/NDF: 5964118.8/72


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -17.621+/-19.664 χ²/NDF:36.6/19
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -15.256+/-20.167 χ²/NDF:16.0/17
Left: -16.468+/-14.079 χ²/NDF: 52.5/37
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 30.026+/-17.368 χ²/NDF:46.6/33
Out: 22.472+/-17.049 χ²/NDF:70.7/38
All: 26.179+/-12.167 χ²/NDF: 117.3/72



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

Left: 77.734+/-0.010 χ^2/NDF: 363058.4/37

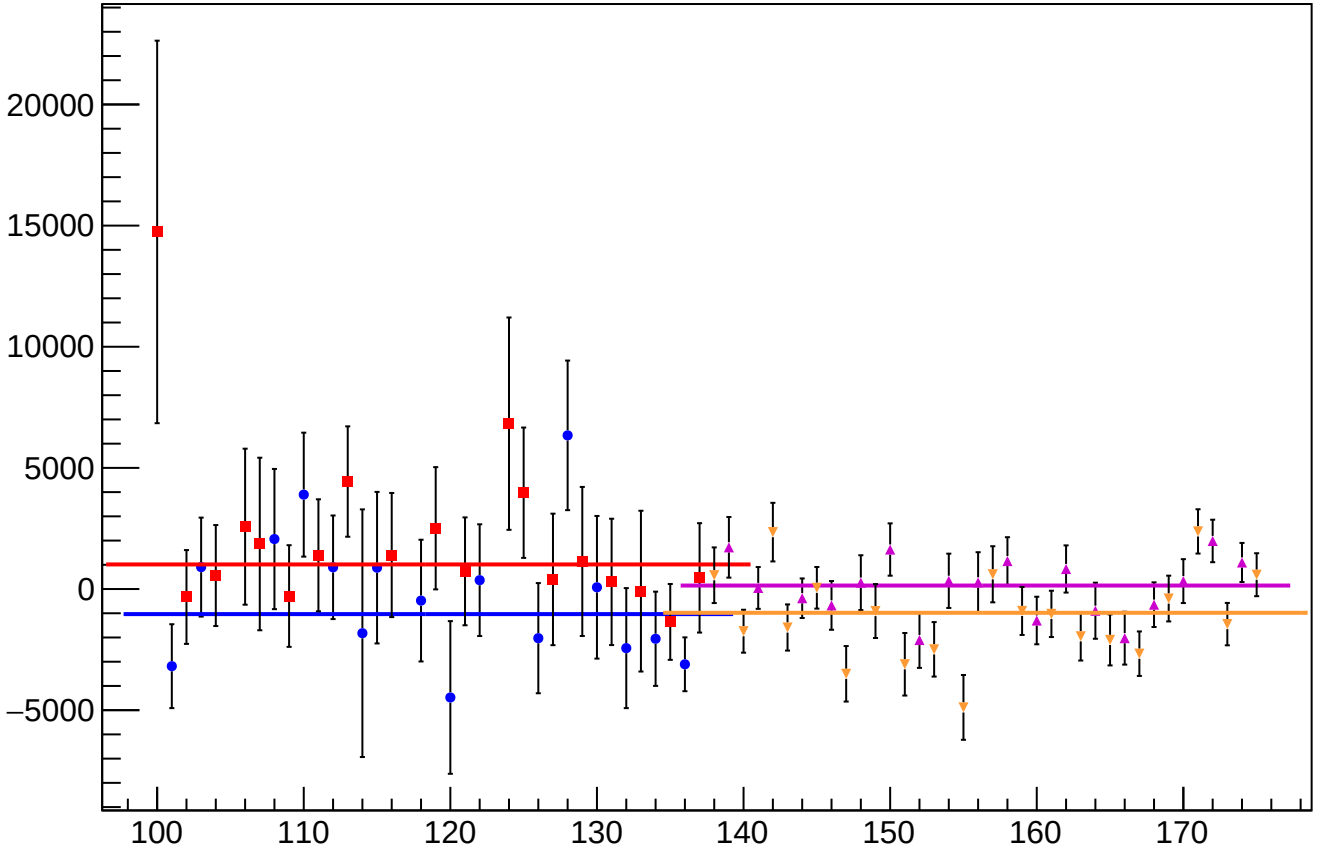
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.917+/-0.012 χ^2/NDF:657727.6/33

Out: 81.489+/-0.012 χ^2/NDF:760163.8/38

All: 81.208+/-0.009 χ^2/NDF: 1418994.3/72

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 144.225+/-234.065 χ^2/NDF:23.5/17

Left: -437.510+/-162.674 χ^2/NDF: 90.0/37

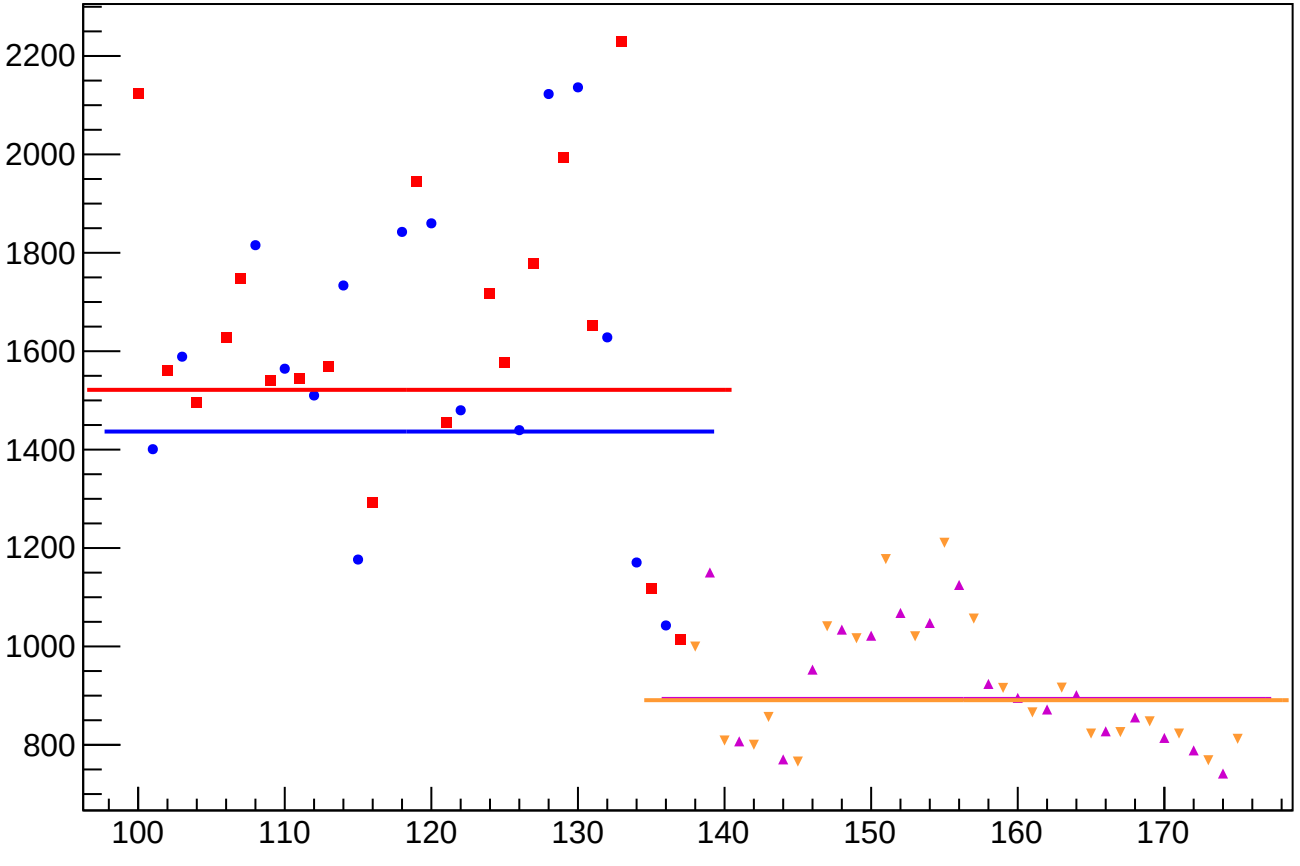
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -36.483+/-215.385 χ^2/NDF:47.6/33

Out: -709.123+/-210.276 χ^2/NDF:77.6/38

All: -380.875+/-150.461 χ^2/NDF: 130.2/72

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

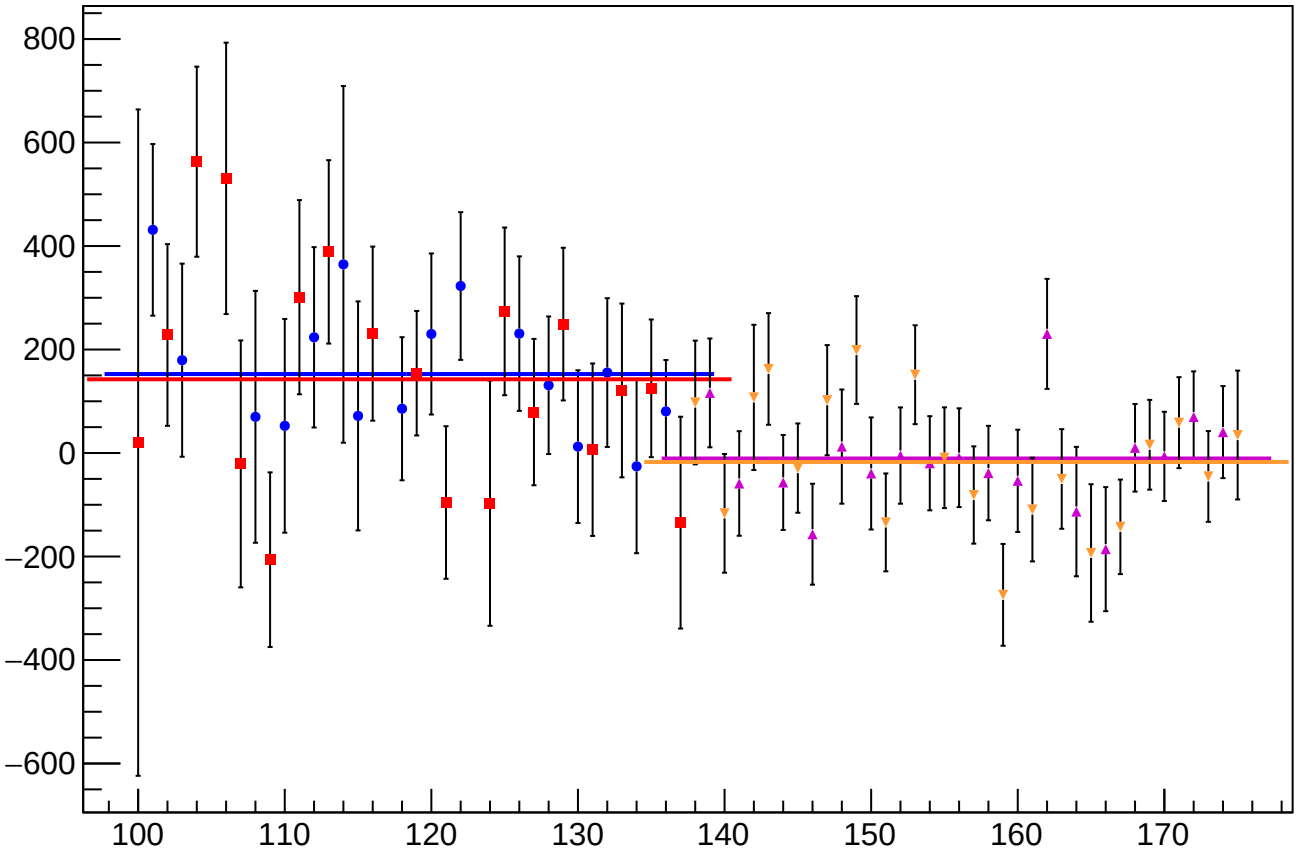
Left: 892.011+/-0.115 χ^2/NDF: 1021342.2/37

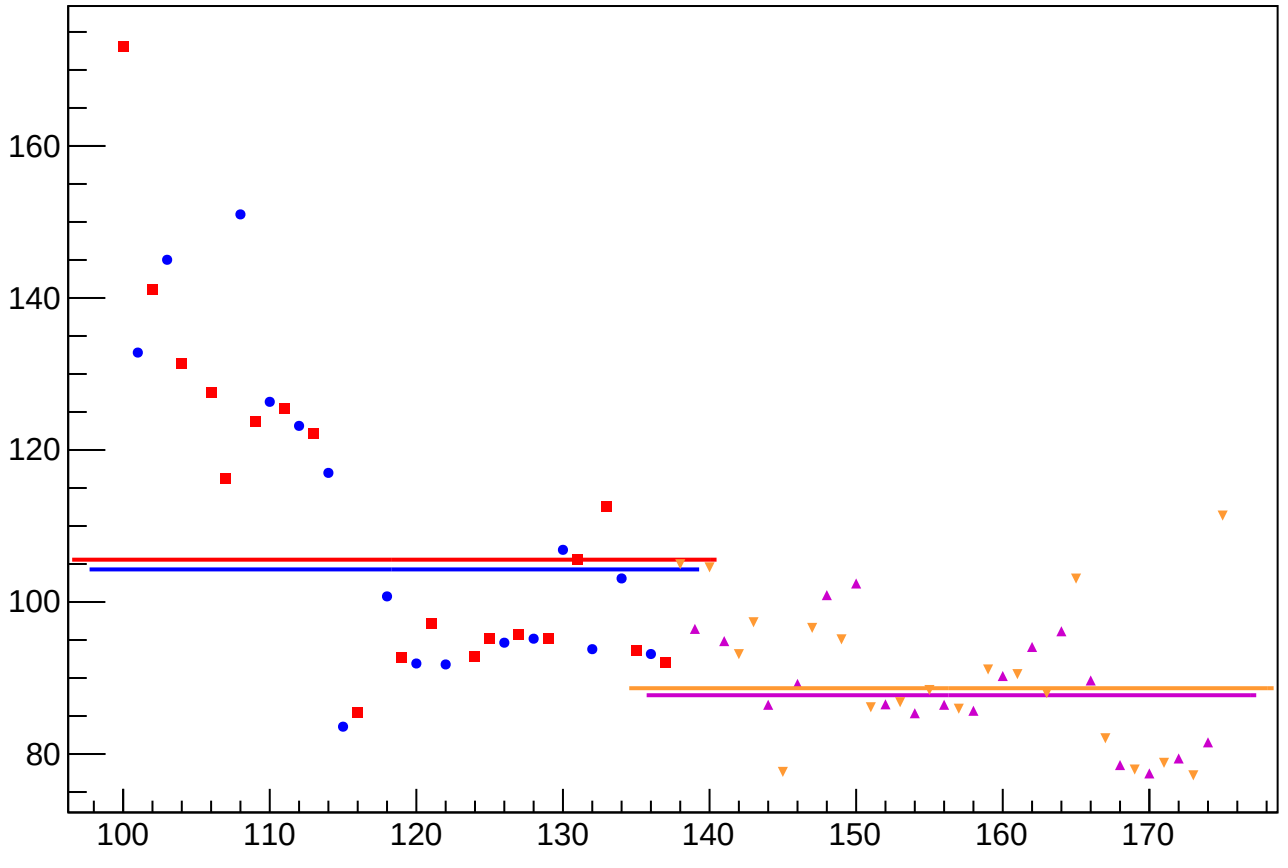
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 976.600+/-0.152 χ^2/NDF:2825020.9/33

Out: 976.685+/-0.149 χ^2/NDF:3139097.7/38

All: 976.644+/-0.106 χ^2/NDF: 5964118.8/72


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.287+/-22.463 χ²/NDF:28.5/19
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -10.593+/-22.943 χ²/NDF:13.8/17
Left: -14.011+/-16.051 χ²/NDF: 42.3/37
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 30.665+/-19.832 χ²/NDF:35.2/33
Out: 21.999+/-19.507 χ²/NDF:63.9/38
All: 26.260+/-13.907 χ²/NDF: 99.2/72



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 88.657+/-0.016 χ^2/NDF:337858.5/19

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 87.734+/-0.016 χ^2/NDF:190585.9/17

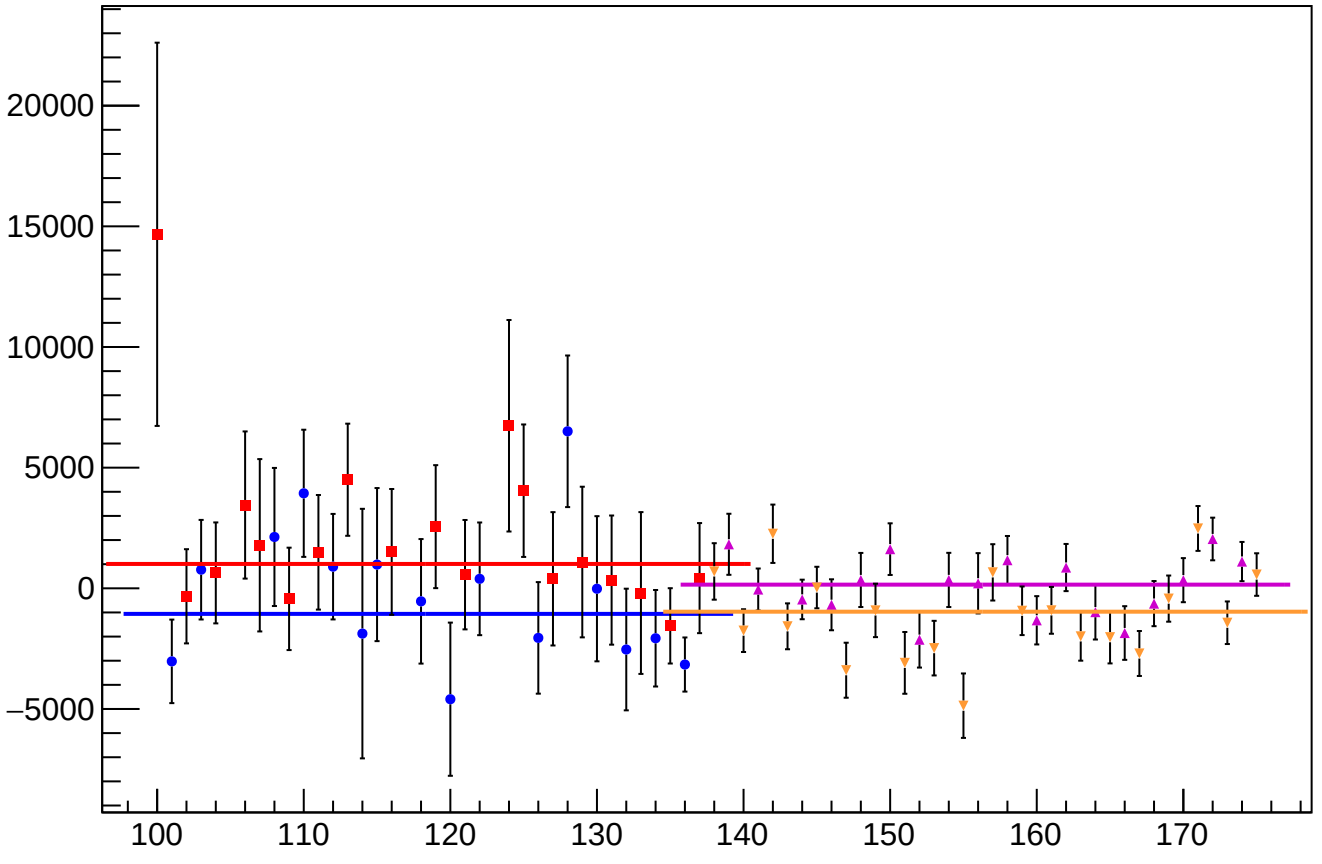
Left: 88.205+/-0.011 χ^2/NDF: 530098.9/37

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 91.918+/-0.014 χ^2/NDF:832038.3/33

Out: 92.815+/-0.014 χ^2/NDF:961160.7/38

All: 92.374+/-0.010 χ^2/NDF: 1795280.2/72



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 152.287+/-236.083 χ^2/NDF:23.5/17

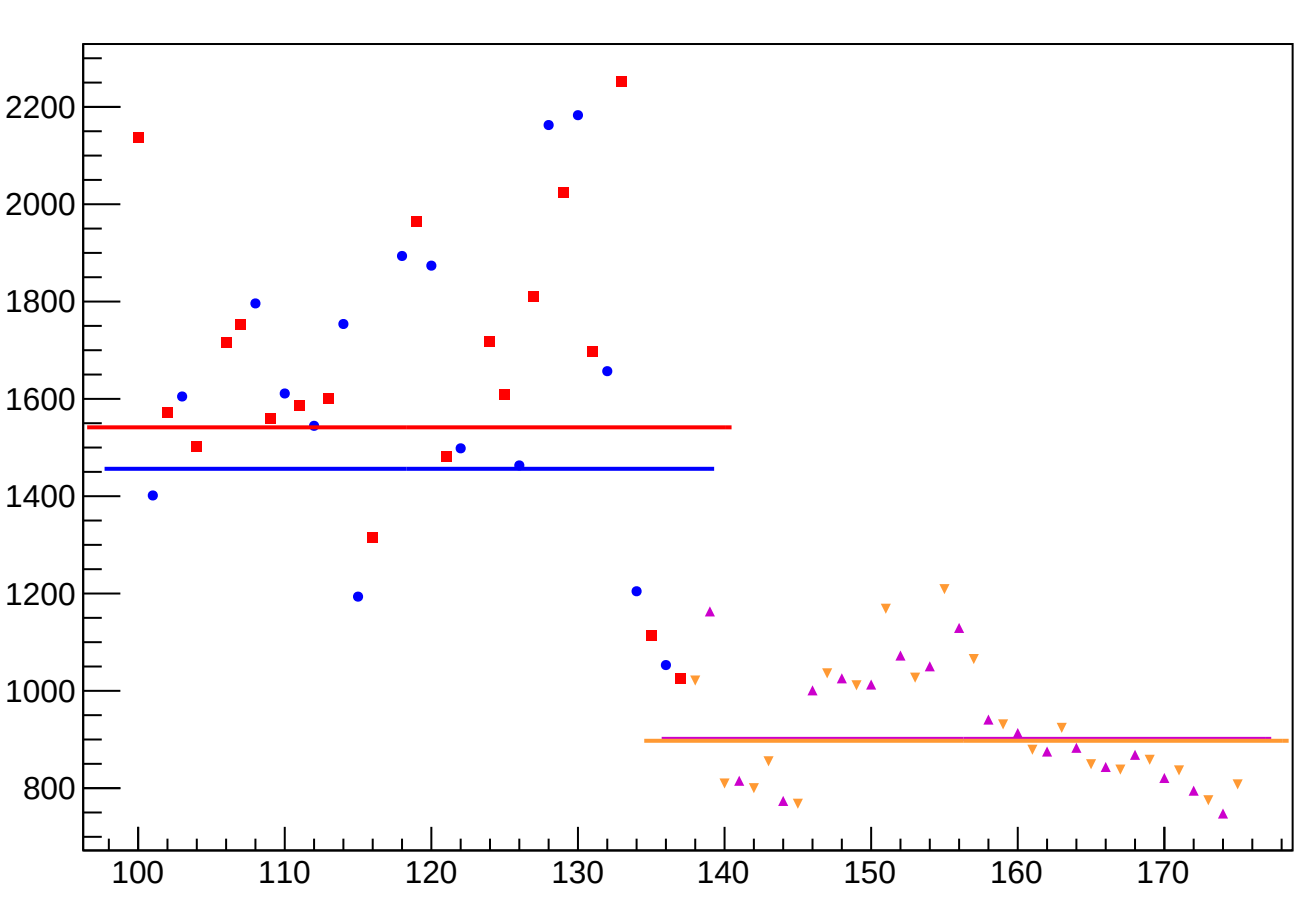
Left: -428.223+/-163.915 χ^2/NDF: 89.3/37

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -31.871+/-217.403 χ^2/NDF:47.6/33

Out: -700.293+/-211.761 χ^2/NDF:77.6/38

All: -374.869+/-151.693 χ^2/NDF: 130.1/72



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 897.378+/-0.161 χ^2/NDF:508821.6/19

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 901.320+/-0.167 χ^2/NDF:492690.4/17

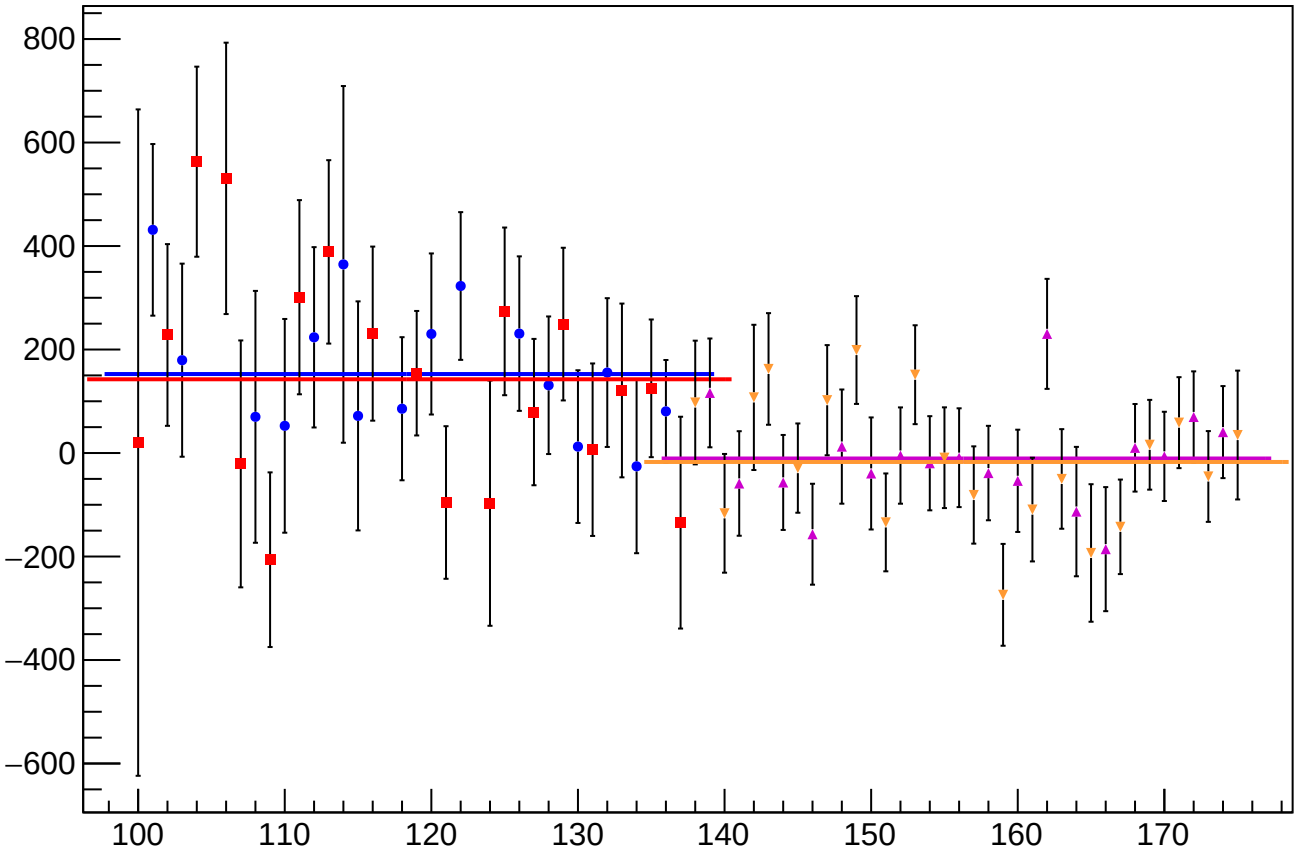
Left: 899.278+/-0.116 χ^2/NDF: 1001800.8/37

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 985.672+/-0.154 χ^2/NDF:2857363.8/33

Out: 984.713+/-0.150 χ^2/NDF:3197025.9/38

All: 985.180+/-0.107 χ^2/NDF: 6054409.6/72



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.287+/-22.463 χ^2/NDF:28.5/19

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -10.593+/-22.943 χ^2/NDF:13.8/17

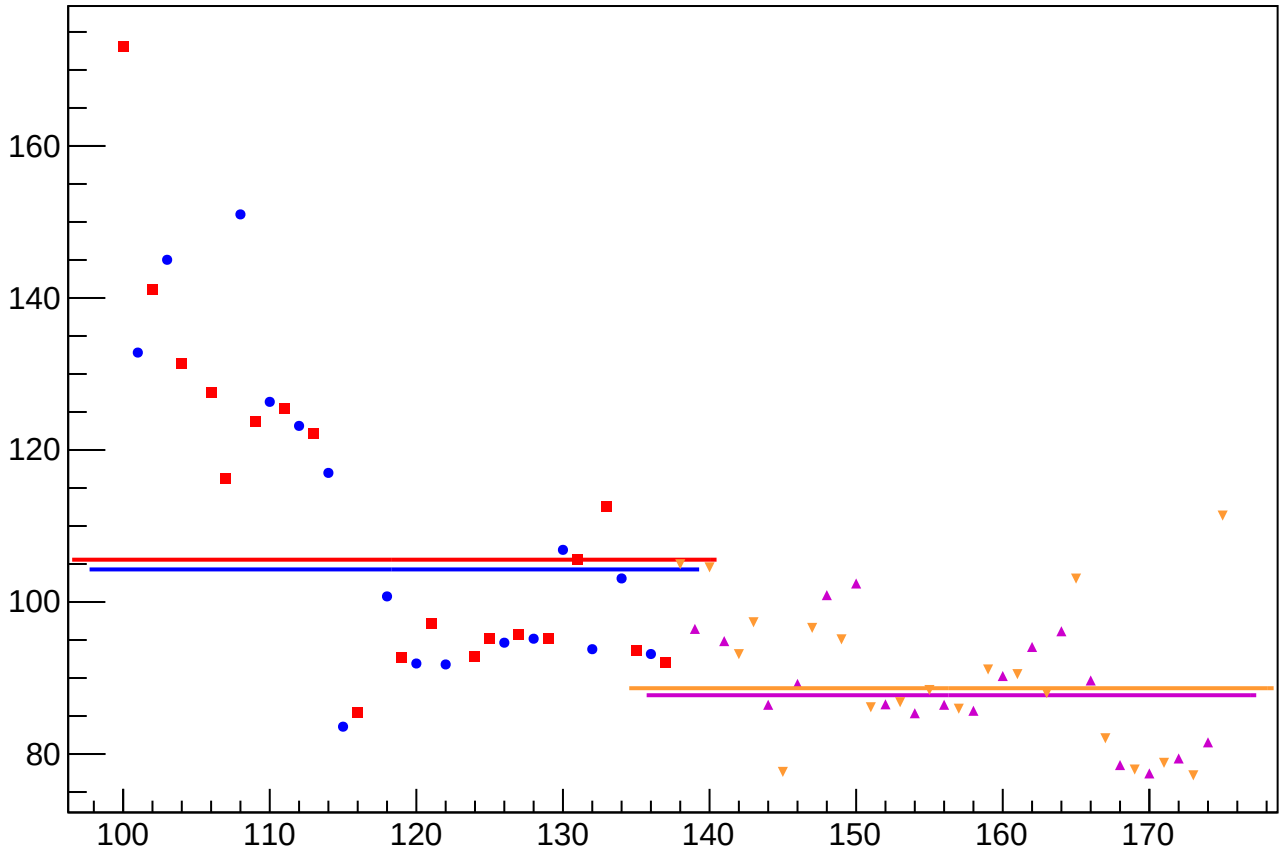
Left: -14.011+/-16.051 χ^2/NDF: 42.3/37

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 30.666+/-19.832 χ^2/NDF:35.2/33

Out: 21.999+/-19.507 χ^2/NDF:63.9/38

All: 26.261+/-13.907 χ^2/NDF: 99.2/72



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.657+/-0.016 χ^2/NDF:337856.8/19

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 87.734+/-0.016 χ^2/NDF:190586.4/17

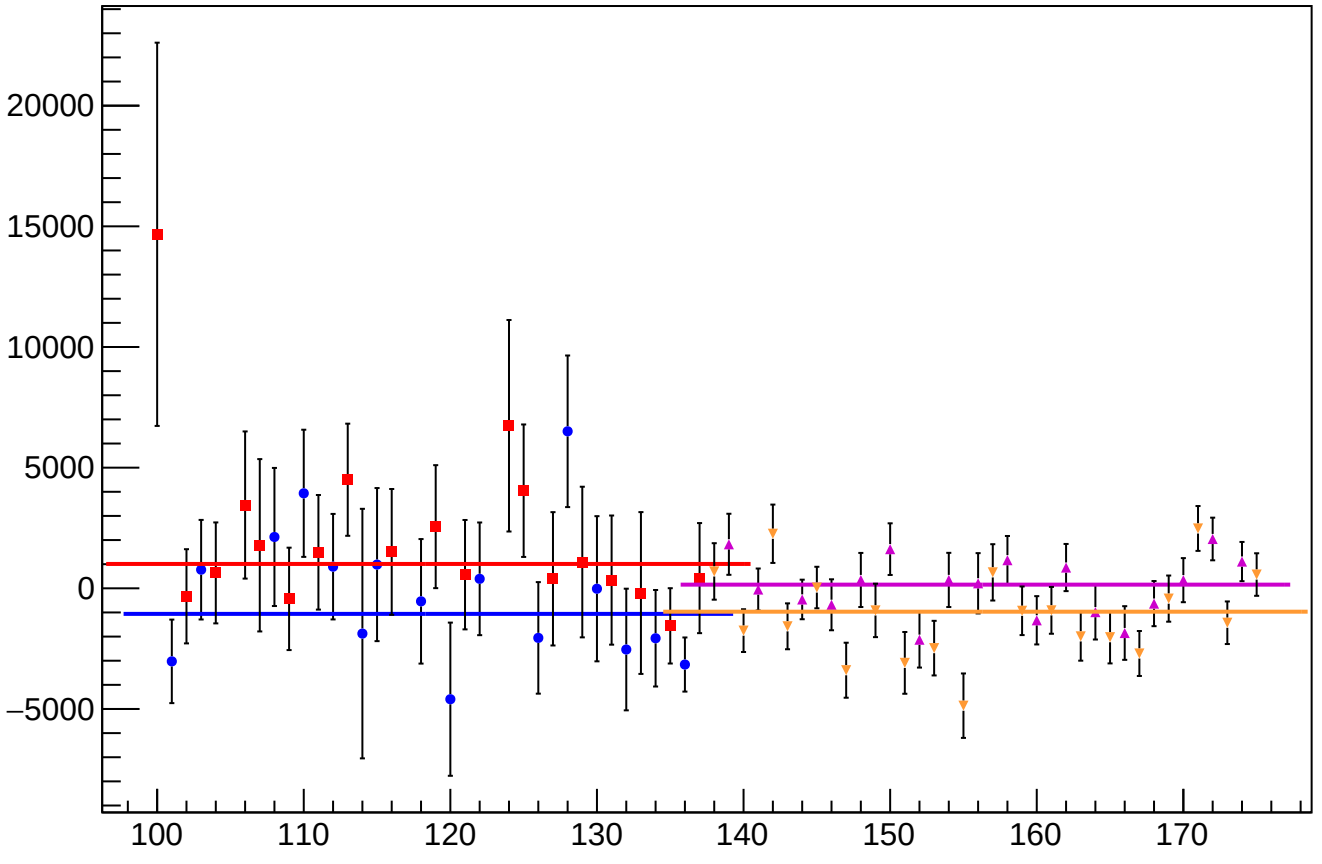
Left: 88.205+/-0.011 χ^2/NDF: 530098.1/37

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 91.918+/-0.014 χ^2/NDF:832013.1/33

Out: 92.815+/-0.014 χ^2/NDF:961134.0/38

All: 92.374+/-0.010 χ^2/NDF: 1795229.0/72



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 152.286+/-236.083 χ^2/NDF:23.5/17

Left: -428.223+/-163.915 χ^2/NDF: 89.3/37

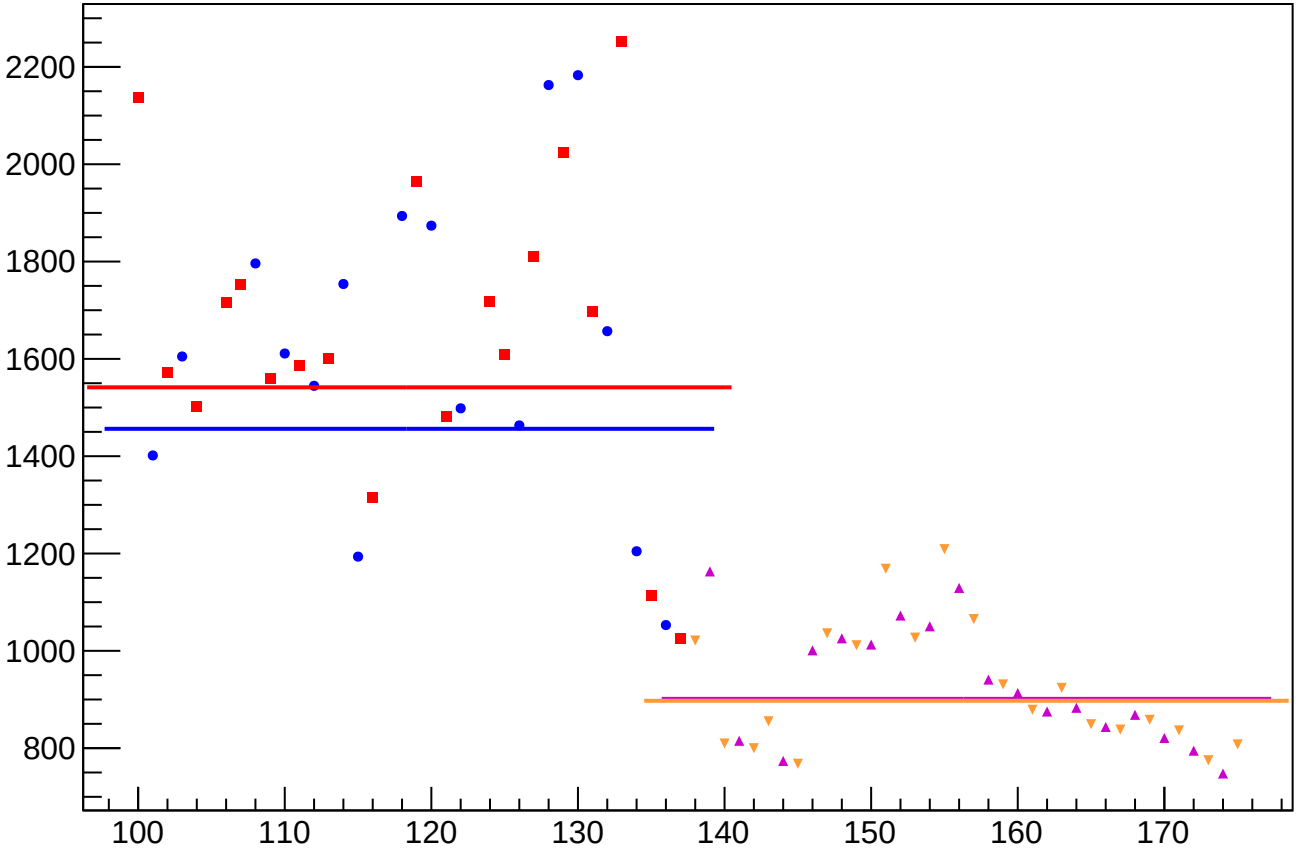
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -31.872+/-217.403 χ^2/NDF:47.6/33

Out: -700.292+/-211.760 χ^2/NDF:77.6/38

All: -374.869+/-151.693 χ^2/NDF: 130.1/72

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 897.378+/-0.161 χ^2/NDF:508822.1/19

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 901.319+/-0.167 χ^2/NDF:492689.8/17

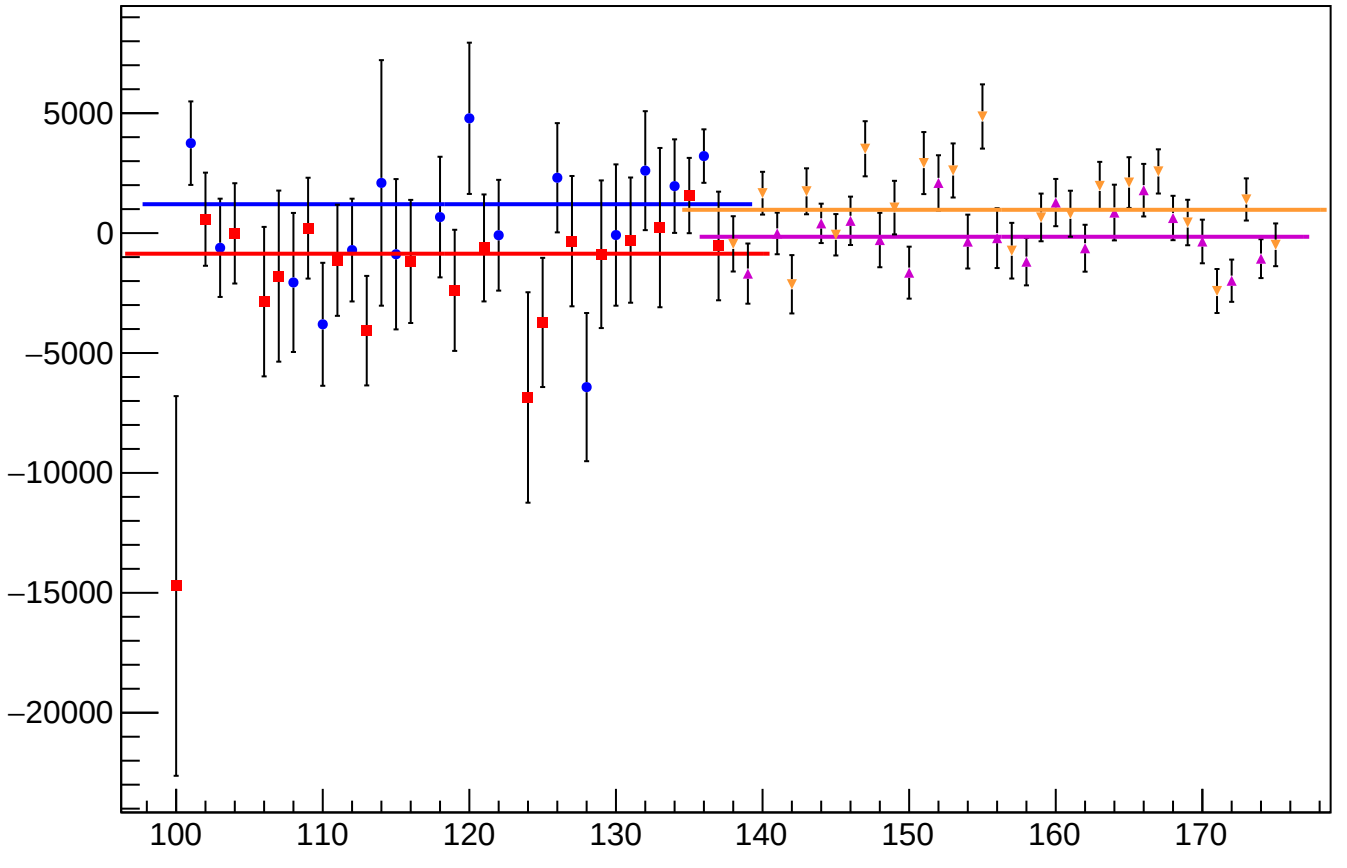
Left: 899.278+/-0.116 χ^2/NDF: 1001800.7/37

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 985.671+/-0.154 χ^2/NDF:2857354.7/33

Out: 984.712+/-0.150 χ^2/NDF:3197017.9/38

All: 985.179+/-0.107 χ^2/NDF: 6054392.5/72



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 971.613+/-227.188 χ^2/NDF:52.8/19

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -152.888+/-235.002 χ^2/NDF:21.9/17

Left: 428.369+/-163.338 χ^2/NDF: 86.5/37

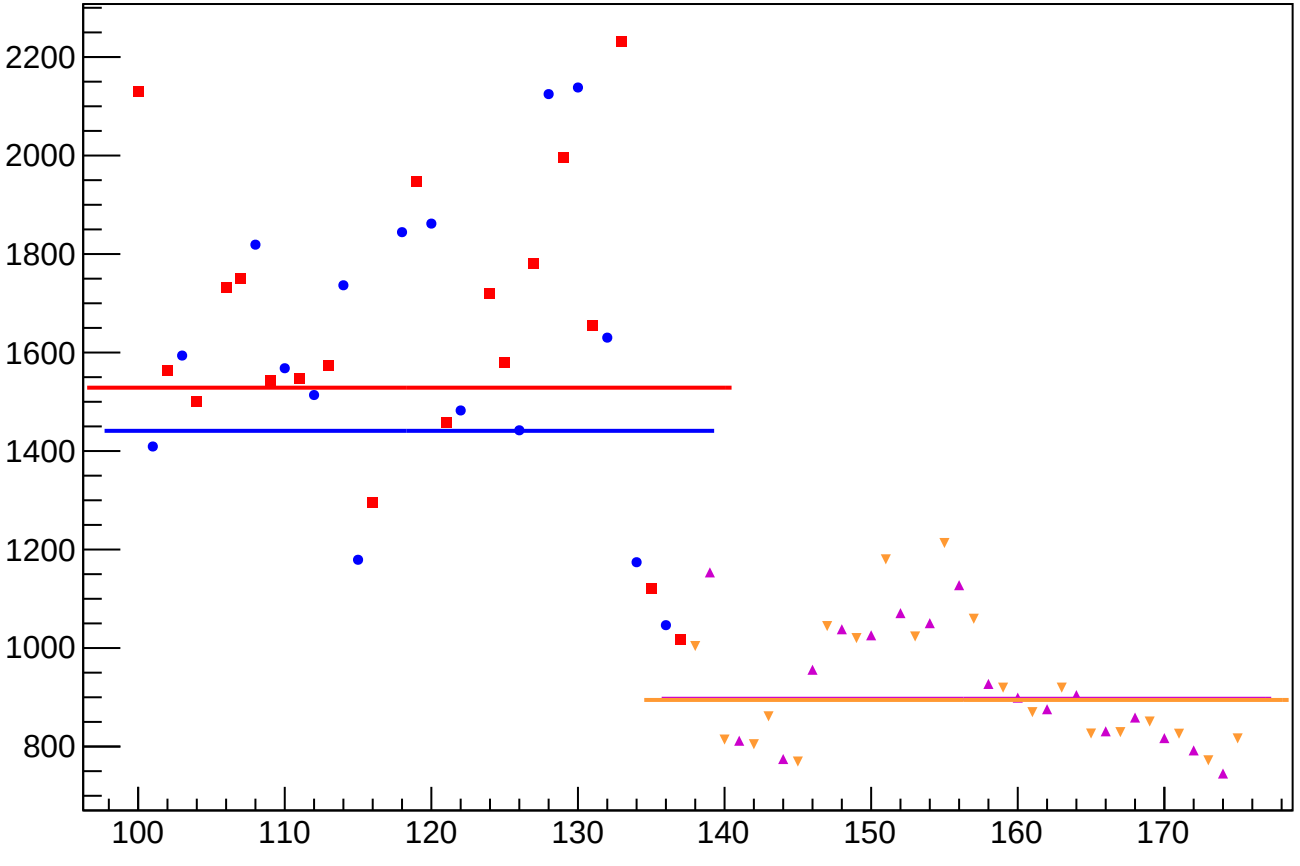
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 55.585+/-216.206 χ^2/NDF:48.1/33

Out: 720.922+/-211.062 χ^2/NDF:74.2/38

All: 396.264+/-151.029 χ^2/NDF: 127.1/72

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 894.608+/-0.161 χ^2/NDF:517879.3/19

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 897.010+/-0.166 χ^2/NDF:492026.1/17

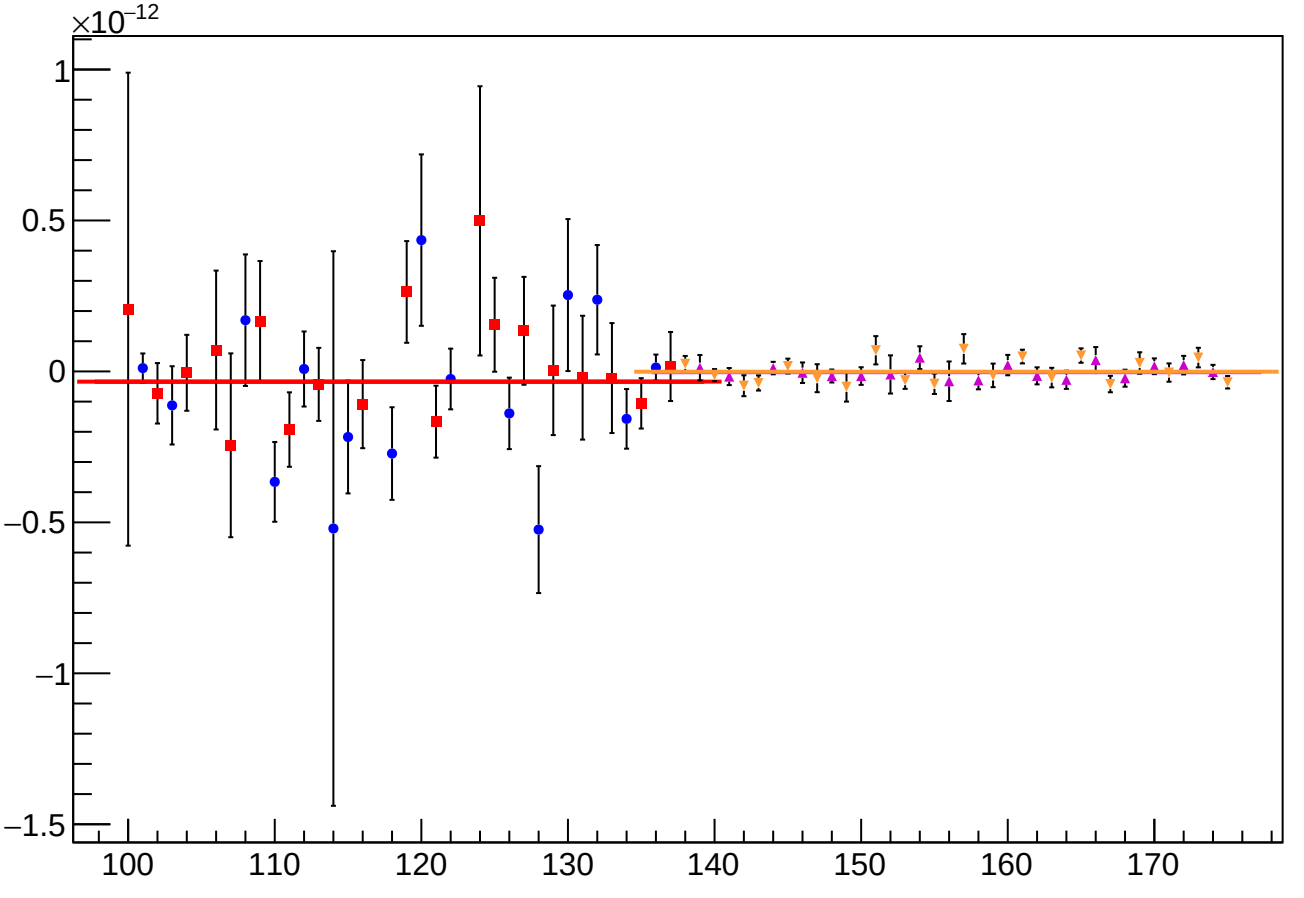
Left: 895.768+/-0.115 χ^2/NDF: 1010013.5/37

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 980.550+/-0.153 χ^2/NDF:2808570.5/33

Out: 981.422+/-0.149 χ^2/NDF:3152509.0/38

All: 980.997+/-0.107 χ^2/NDF: 5961096.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/17

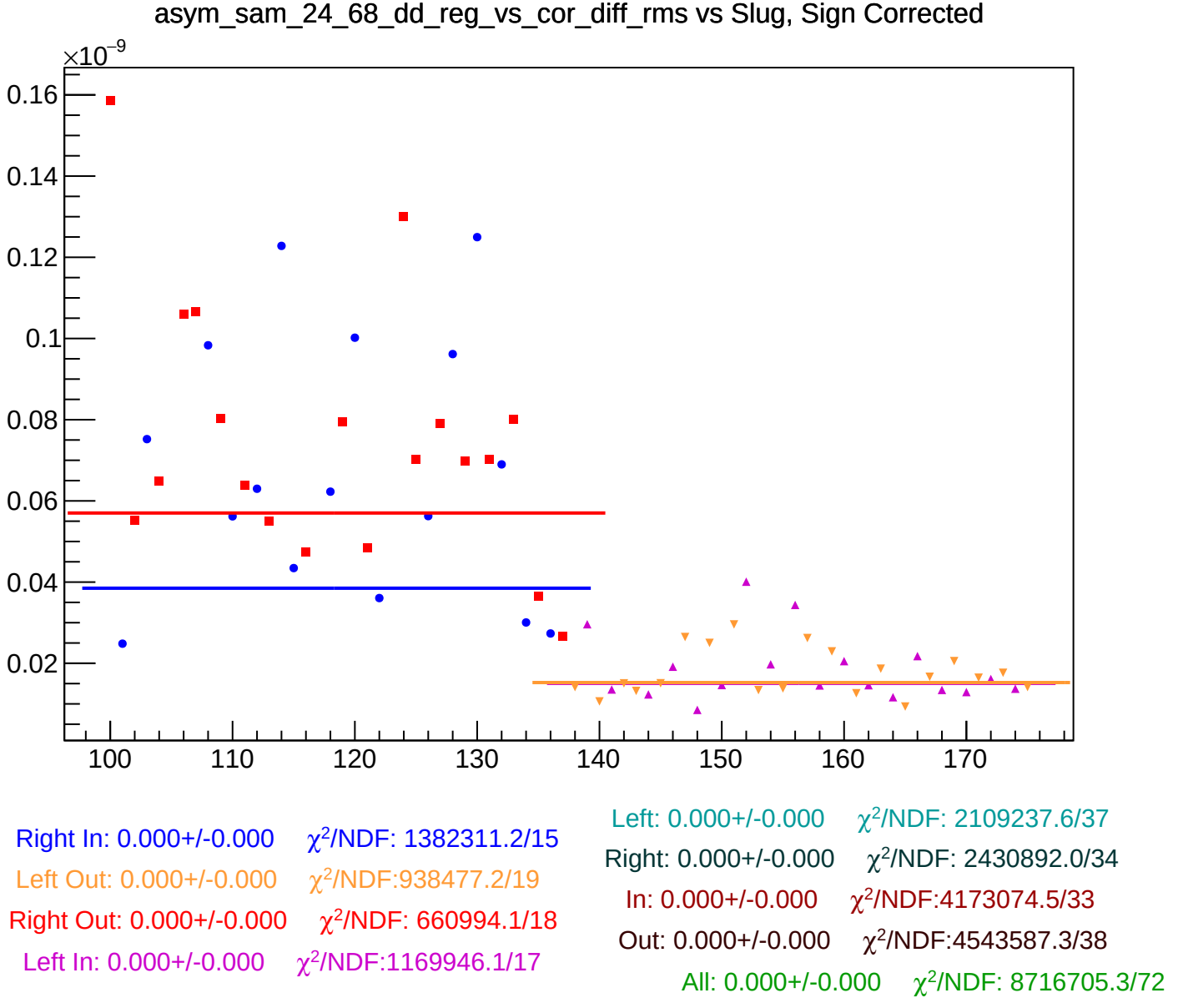
Left: -0.000+/-0.000 χ^2/NDF: 40.4/37

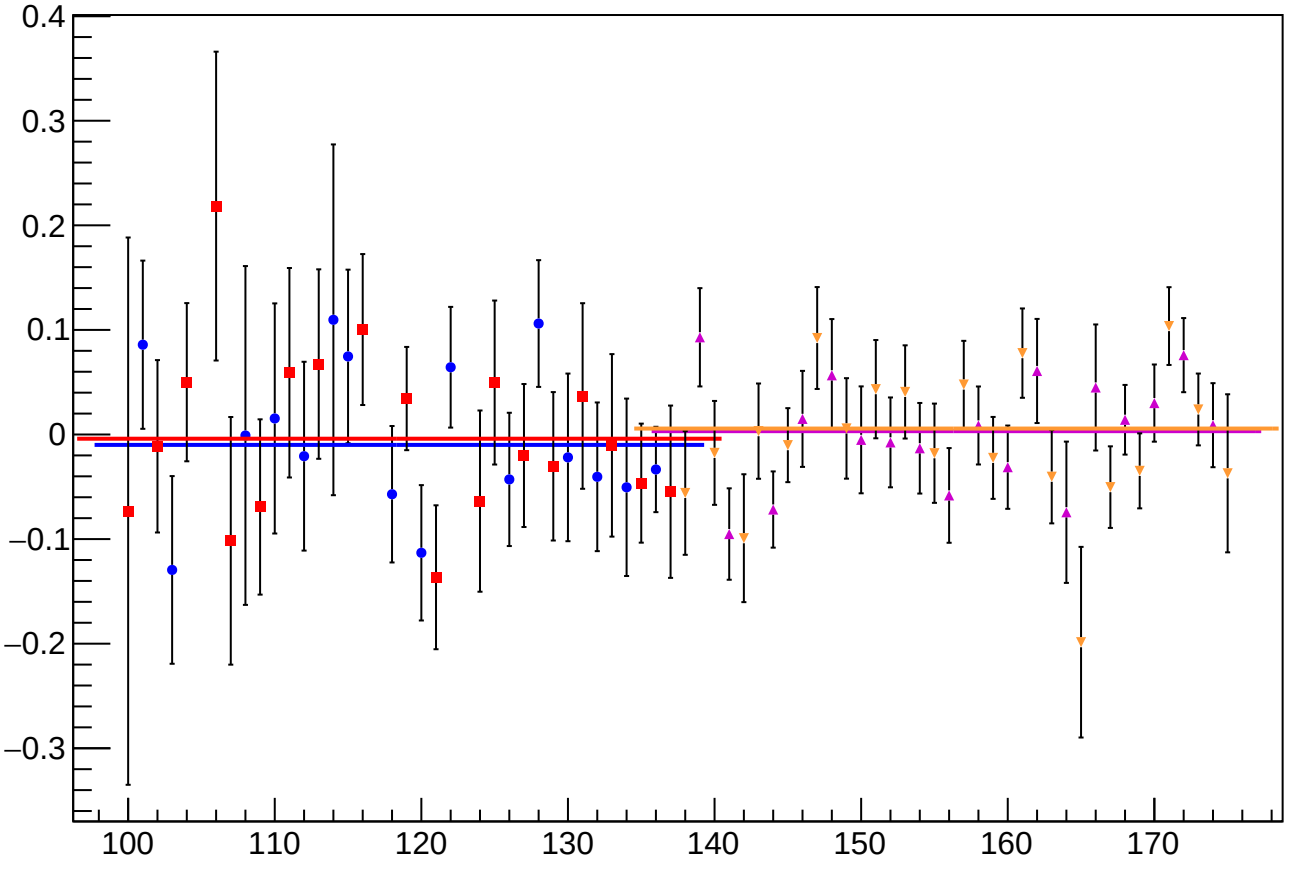
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:36.8/33

Out: -0.000+/-0.000 χ^2/NDF:46.3/38

All: -0.000+/-0.000 χ^2/NDF: 83.2/72


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:938477.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1169946.1/17
Left: 0.000+/-0.000 χ²/NDF: 2109237.6/37
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:4173074.5/33
Out: 0.000+/-0.000 χ²/NDF:4543587.3/38
All: 0.000+/-0.000 χ²/NDF: 8716705.3/72



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

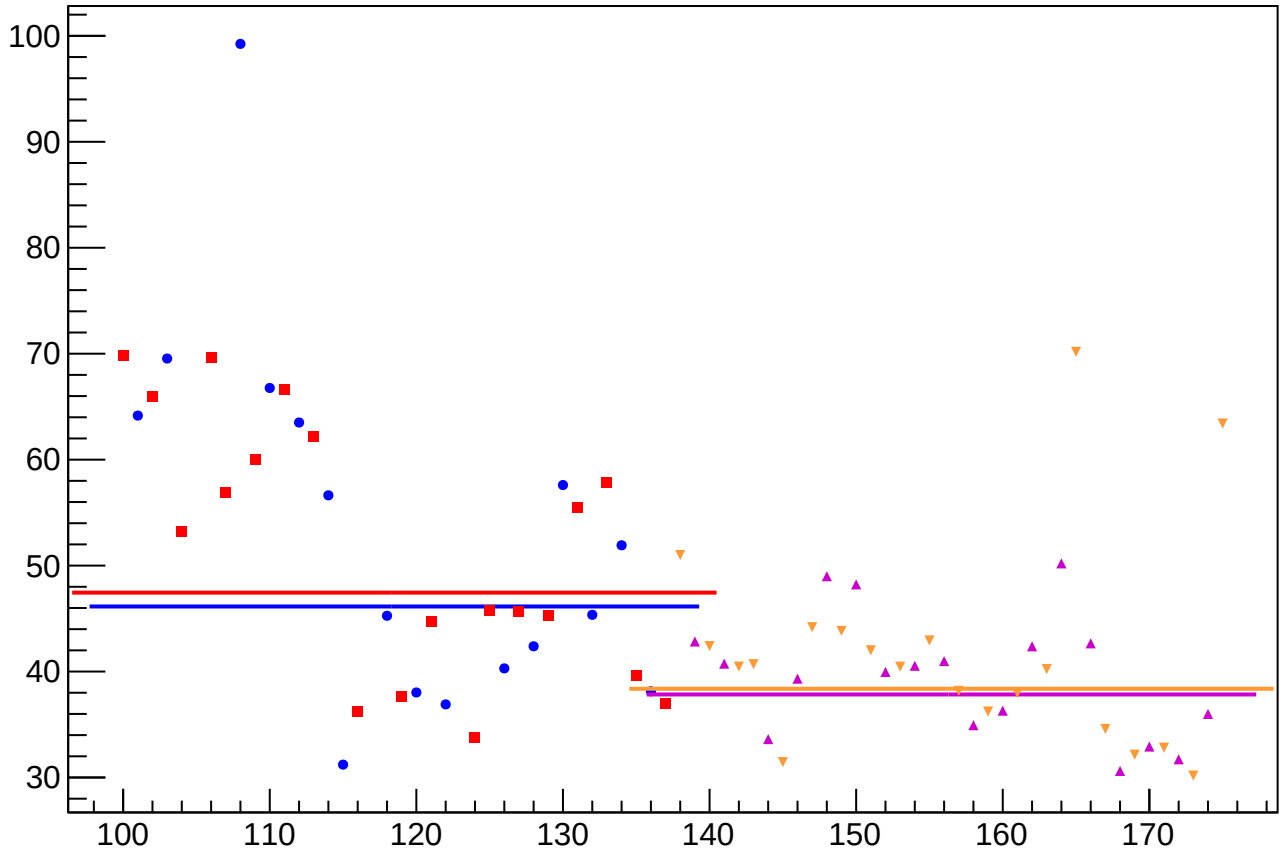
Left: 0.004+/-0.007 χ^2/NDF: 55.3/37

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 84.1/72



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

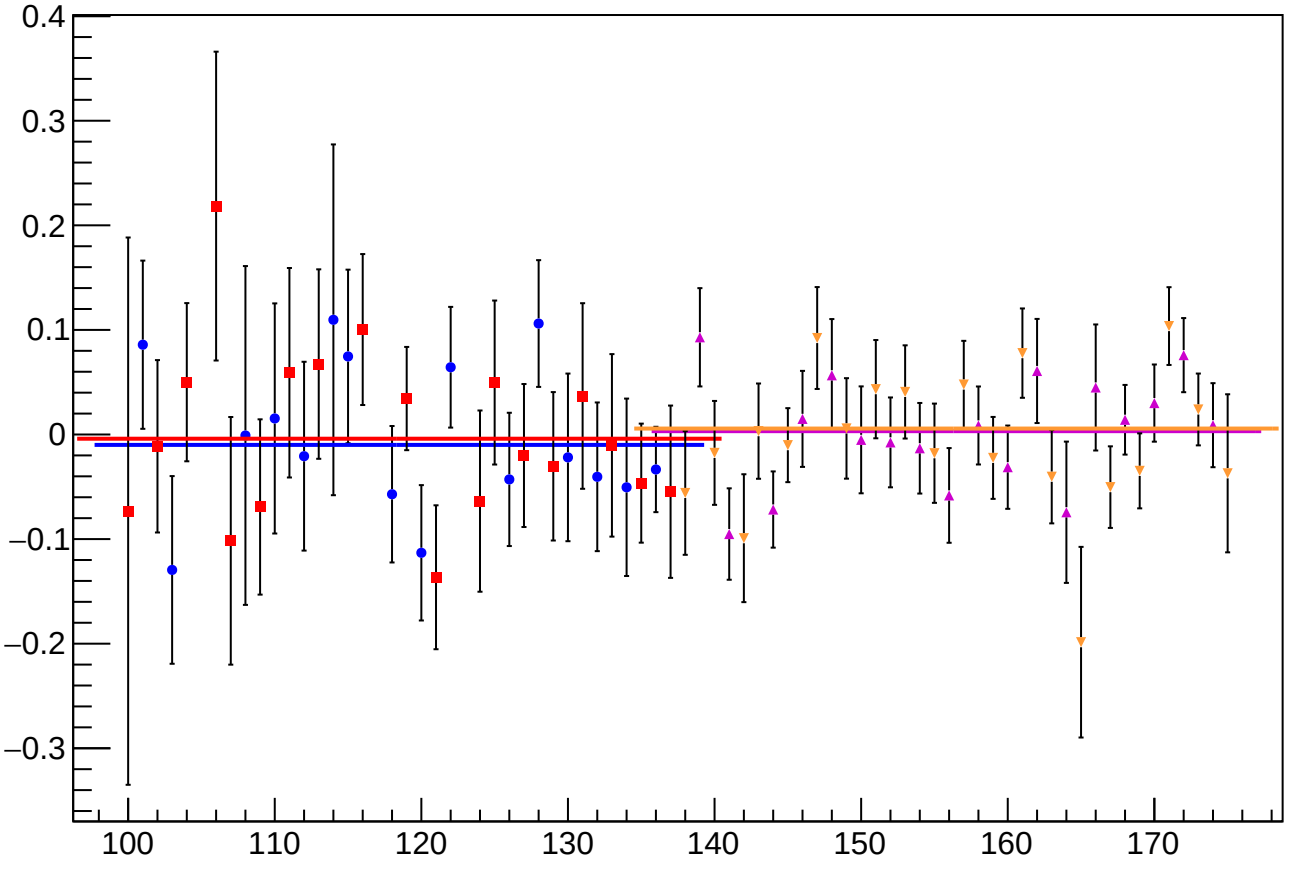
Left: 38.111+/-0.005 χ^2/NDF: 1547282.6/37

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 39.828+/-0.006 χ^2/NDF:1783595.3/33

Out: 40.488+/-0.006 χ^2/NDF:2028507.4/38

All: 40.161+/-0.004 χ^2/NDF: 3817764.9/72



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

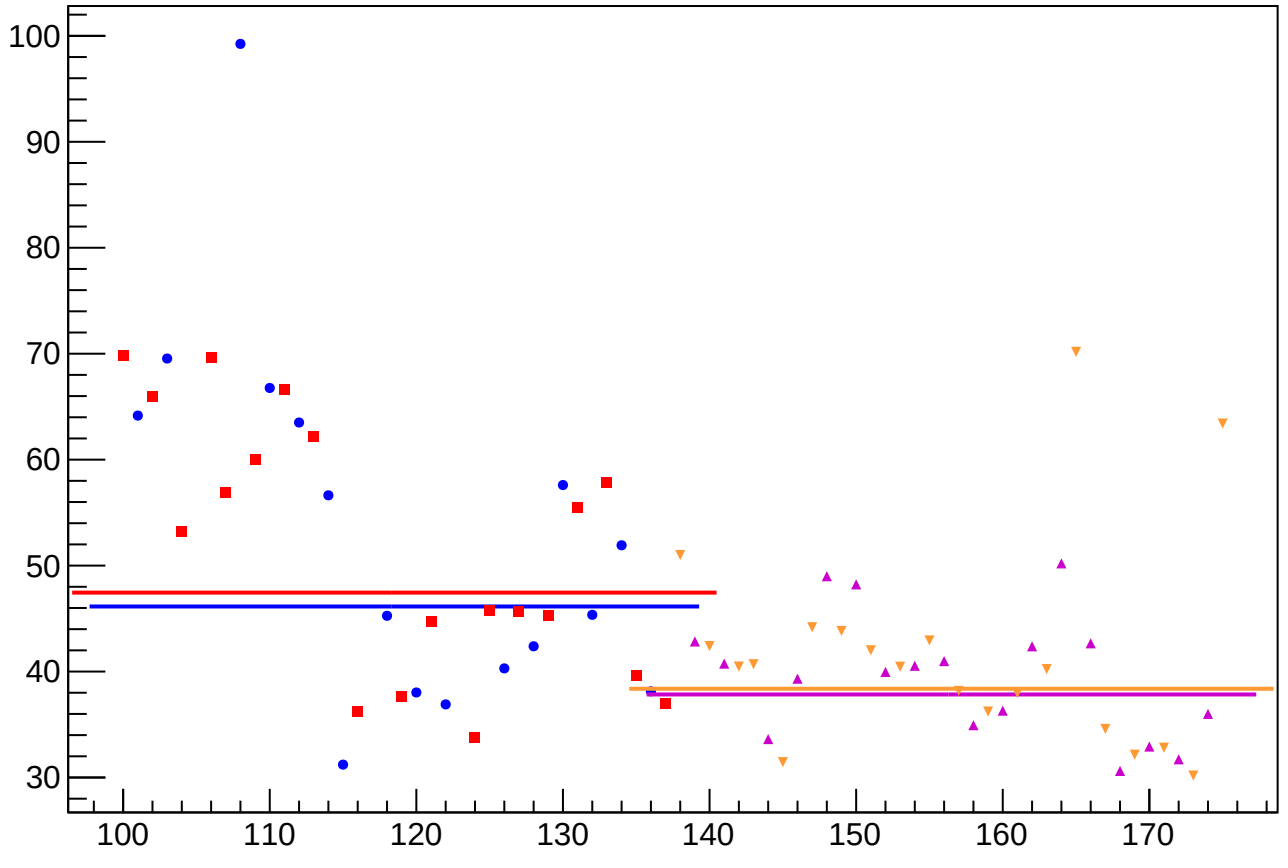
Left: 0.004+/-0.007 χ^2/NDF: 55.3/37

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 84.1/72



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

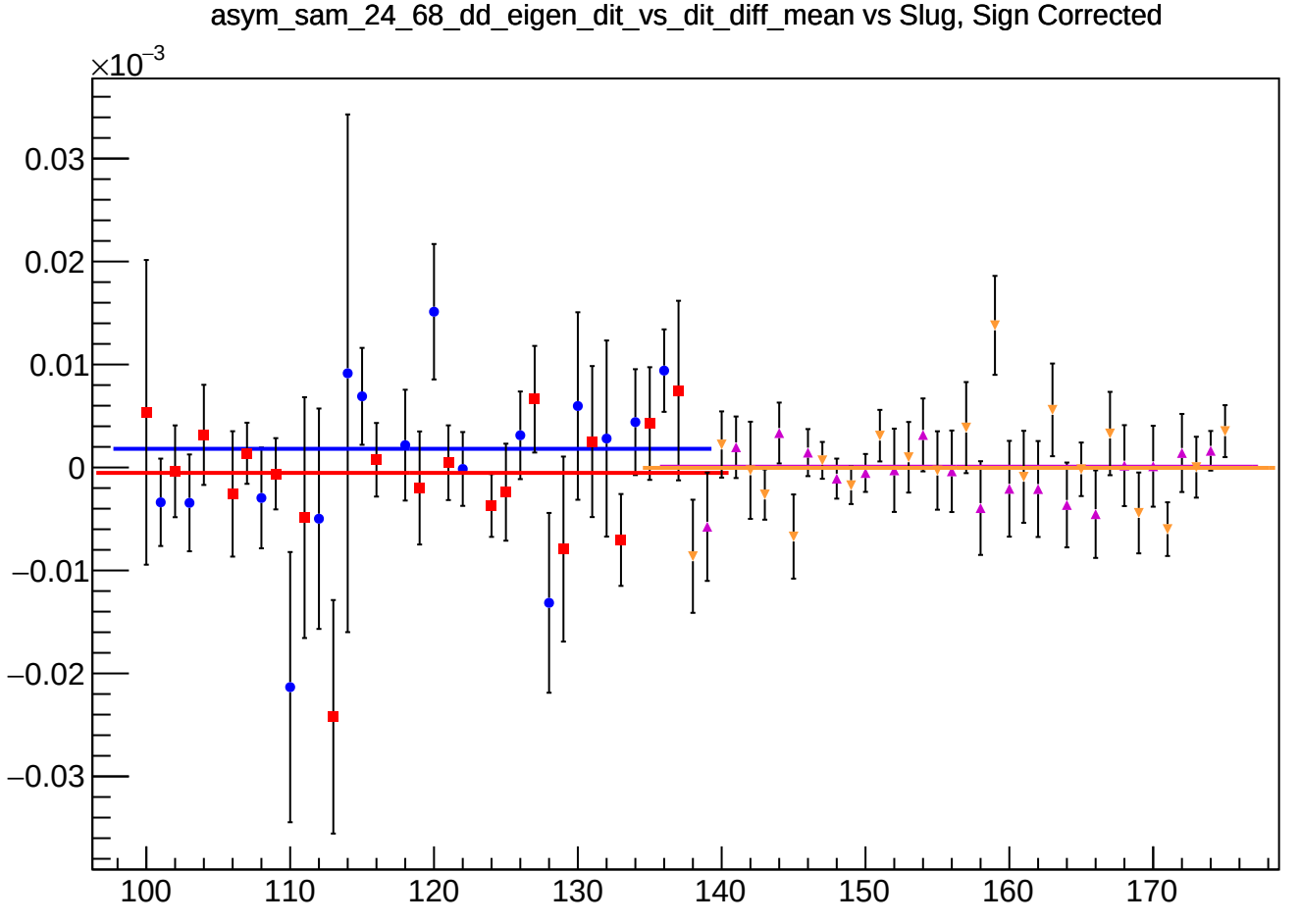
Left: 38.111+/-0.005 χ^2/NDF: 1547282.6/37

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 39.828+/-0.006 χ^2/NDF:1783595.3/33

Out: 40.488+/-0.006 χ^2/NDF:2028507.4/38

All: 40.161+/-0.004 χ^2/NDF: 3817764.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/17

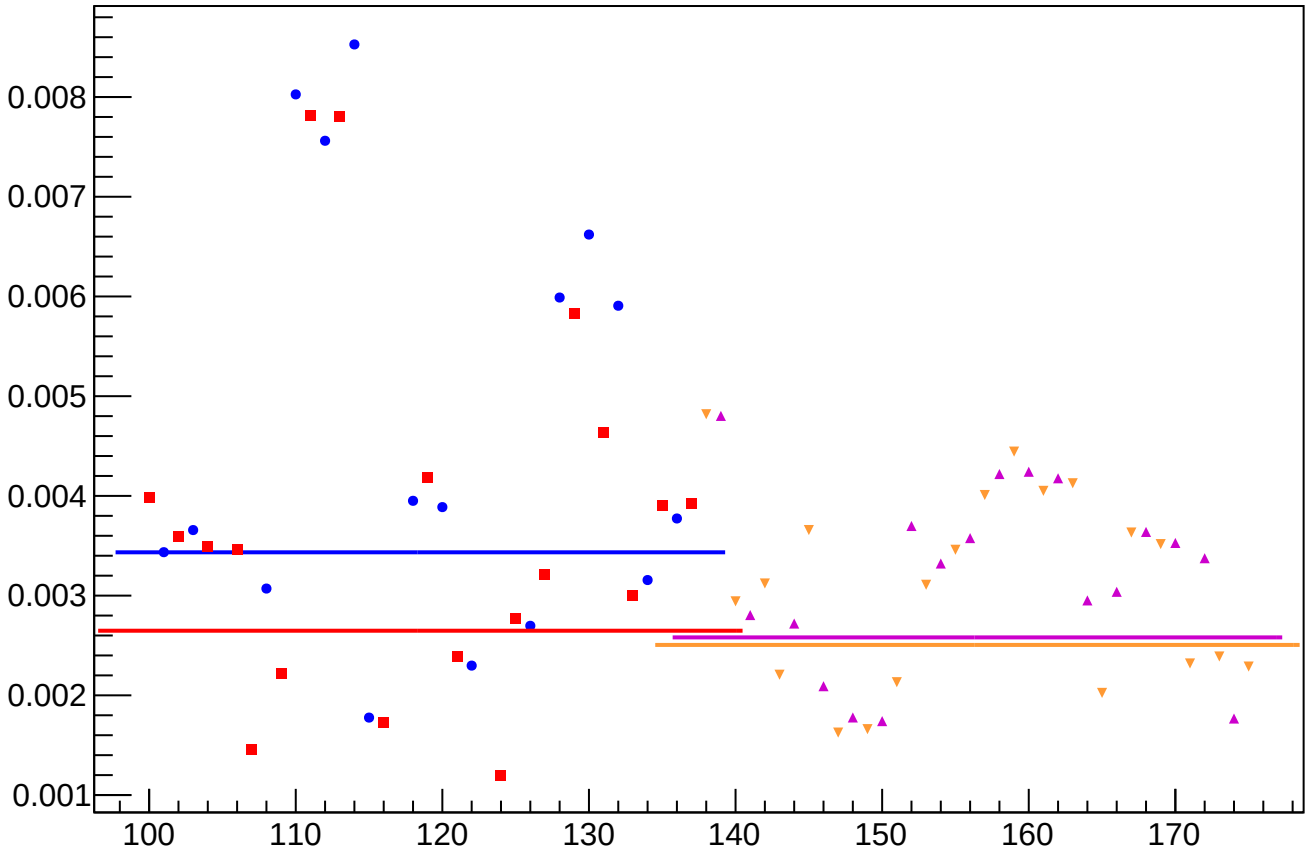
Left: 0.000+/-0.000 χ^2/NDF: 37.7/37

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.6/33

Out: -0.000+/-0.000 χ^2/NDF:43.1/38

All: 0.000+/-0.000 χ^2/NDF: 73.3/72



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3201024.9/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3083547.3/17

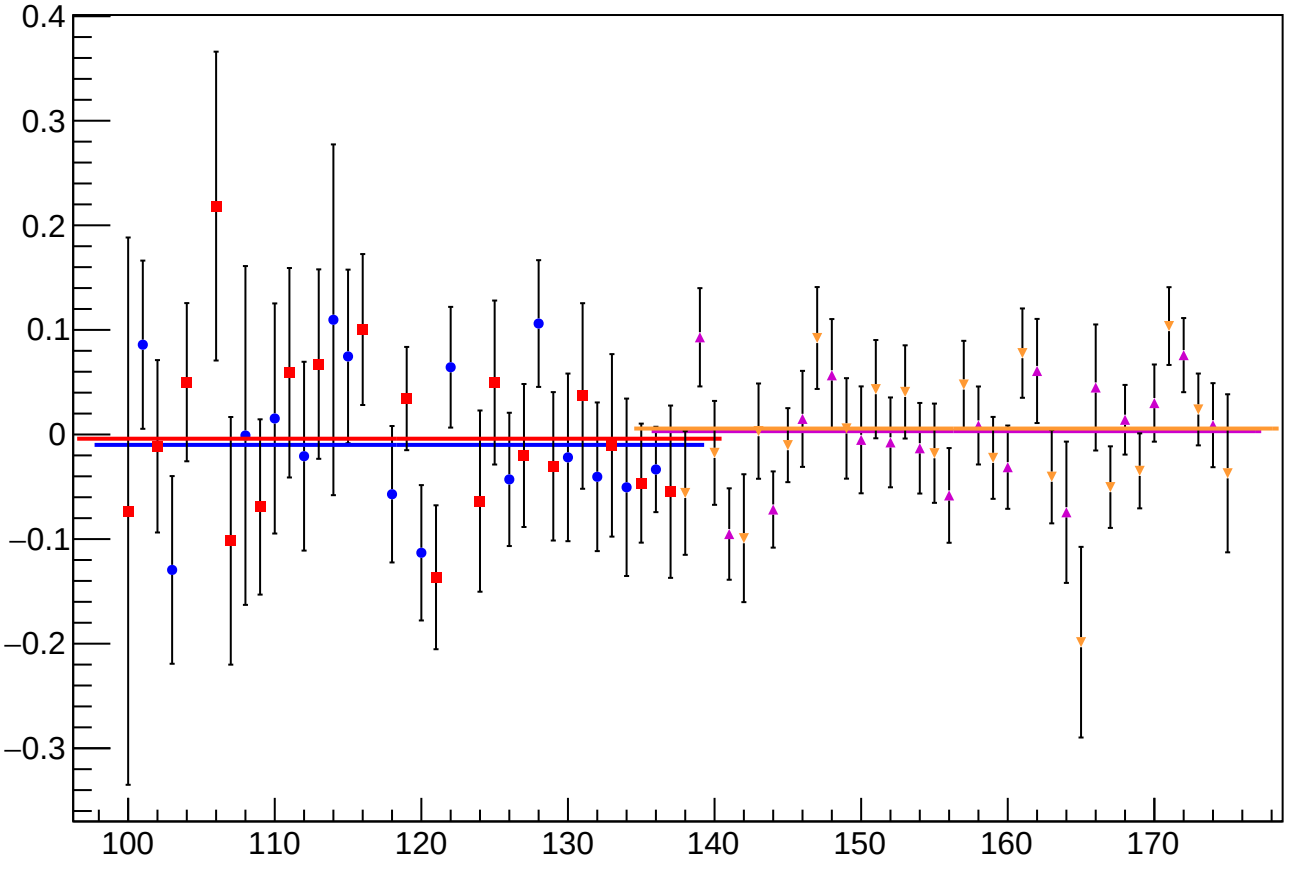
Left: 0.003+/-0.000 χ^2/NDF: 6296388.6/37

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5439350.6/33

Out: 0.003+/-0.000 χ^2/NDF:5922678.4/38

All: 0.003+/-0.000 χ^2/NDF: 11493768.9/72



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

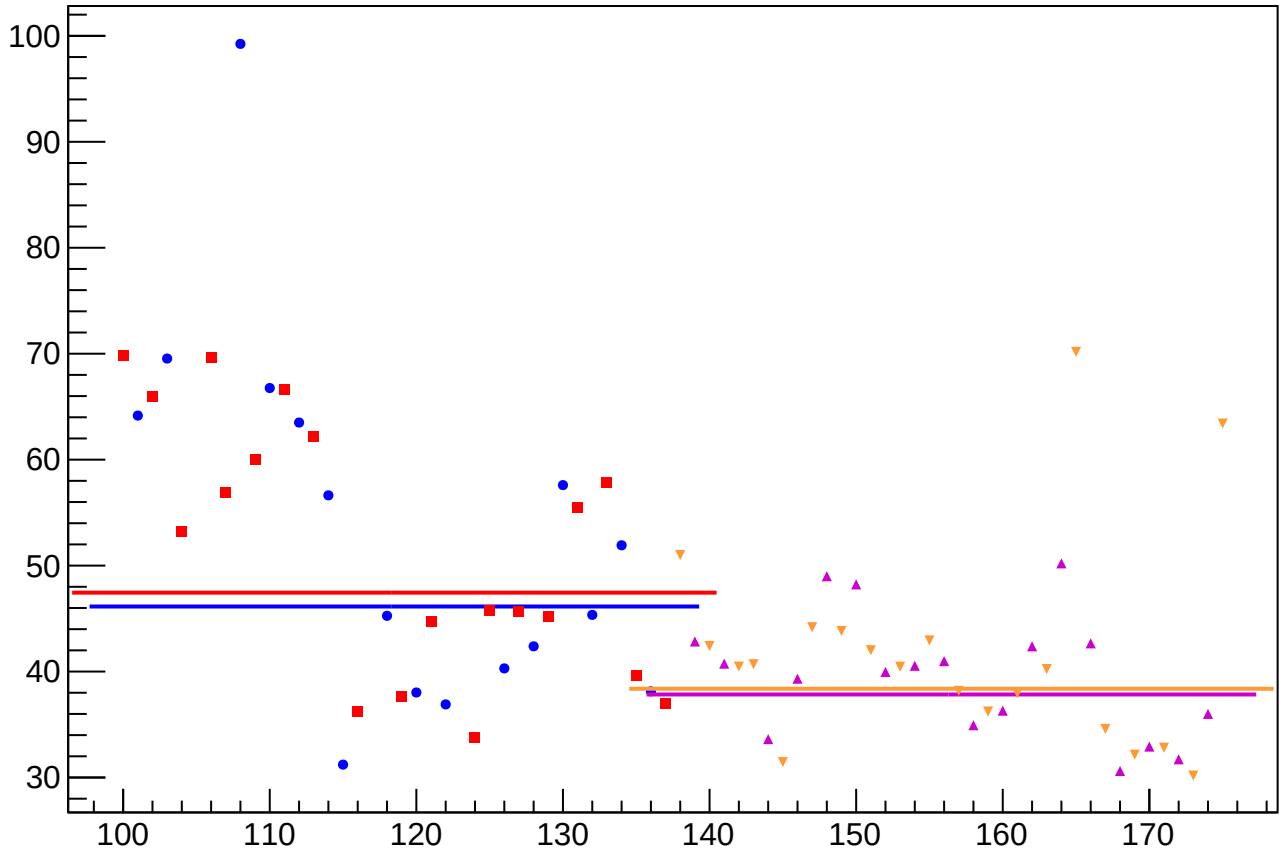
Left: 0.004+/-0.007 χ^2/NDF: 55.3/37

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 84.1/72



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

Left: 38.111+/-0.005 χ^2/NDF: 1547357.9/37

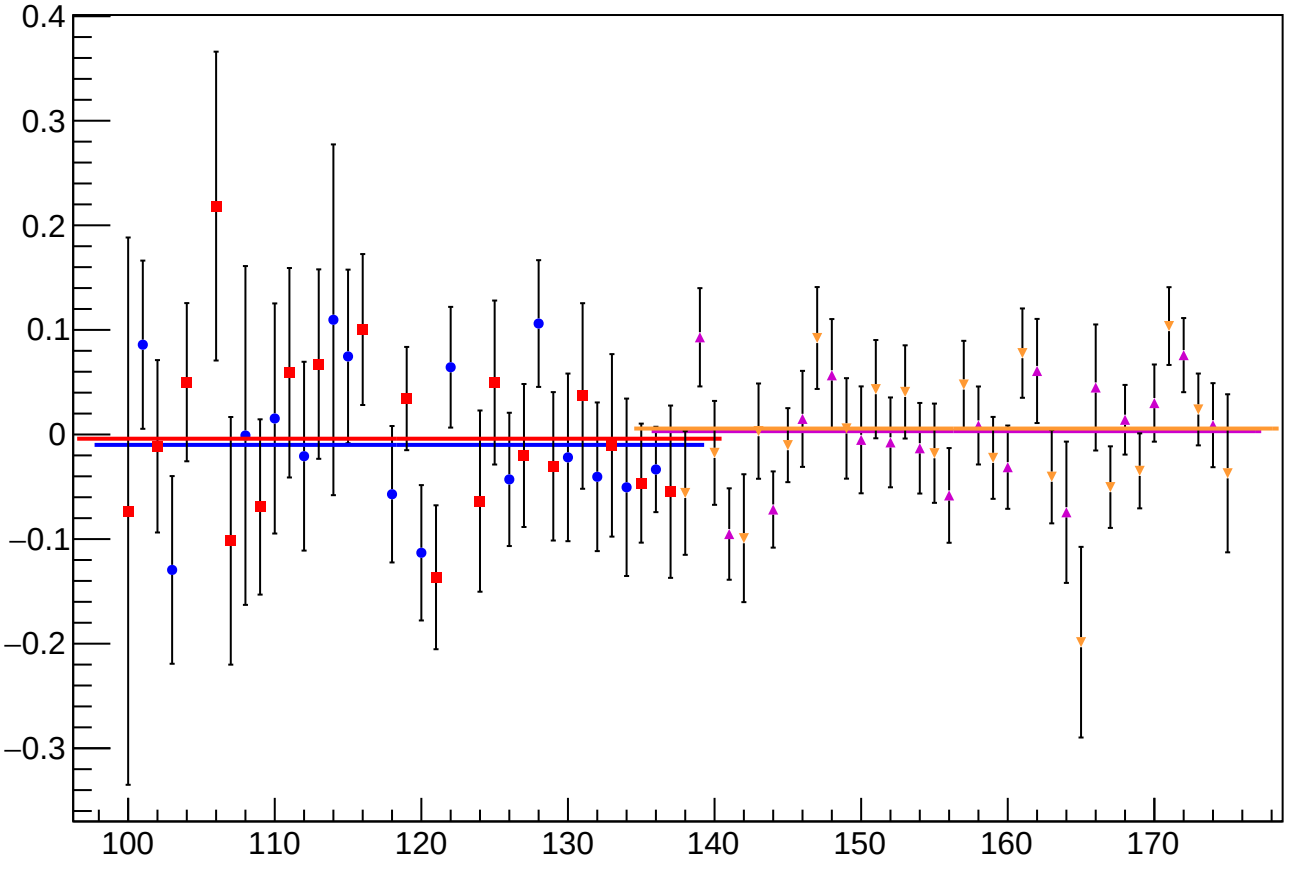
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 39.828+/-0.006 χ^2/NDF:1783523.5/33

Out: 40.488+/-0.006 χ^2/NDF:2028427.2/38

All: 40.161+/-0.004 χ^2/NDF: 3817618.4/72

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

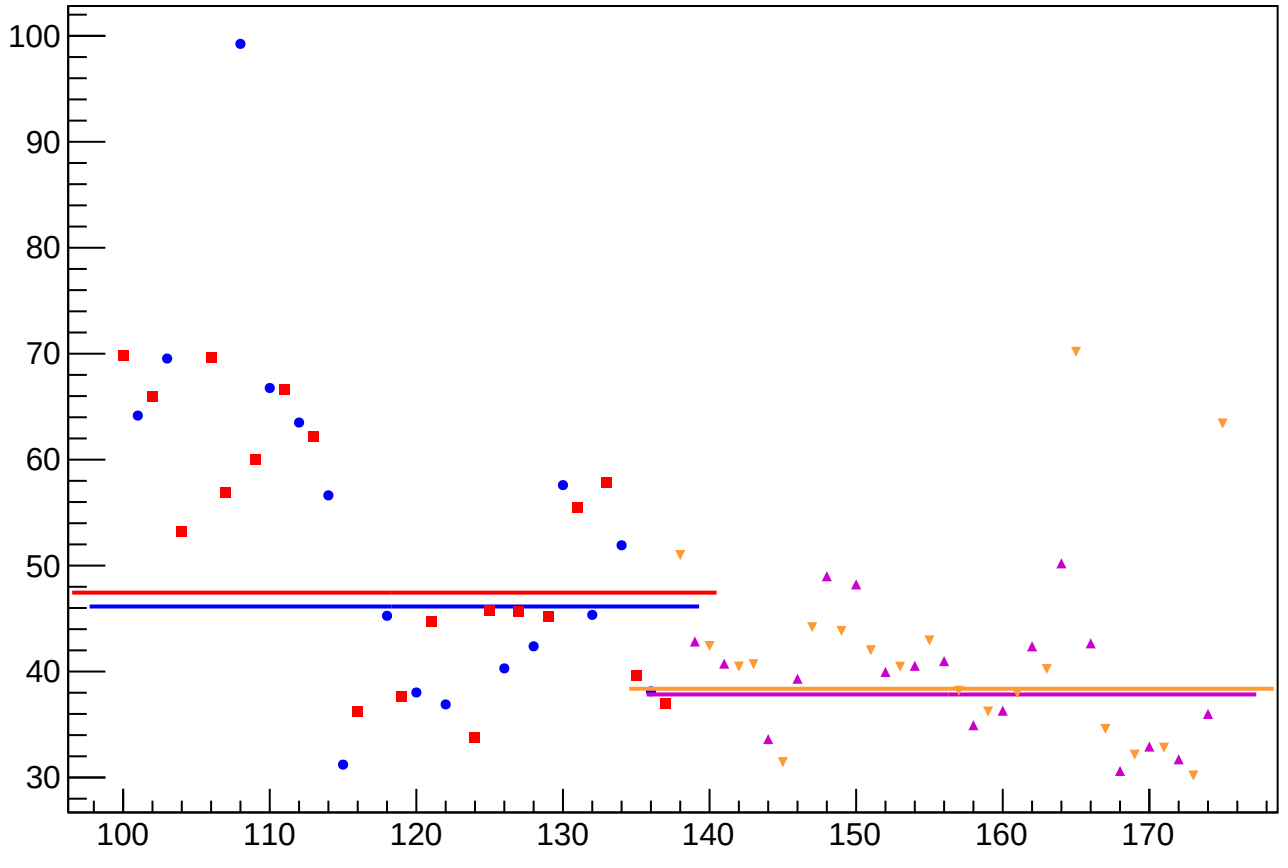
Left: 0.004+/-0.007 χ^2/NDF: 55.3/37

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 84.1/72



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

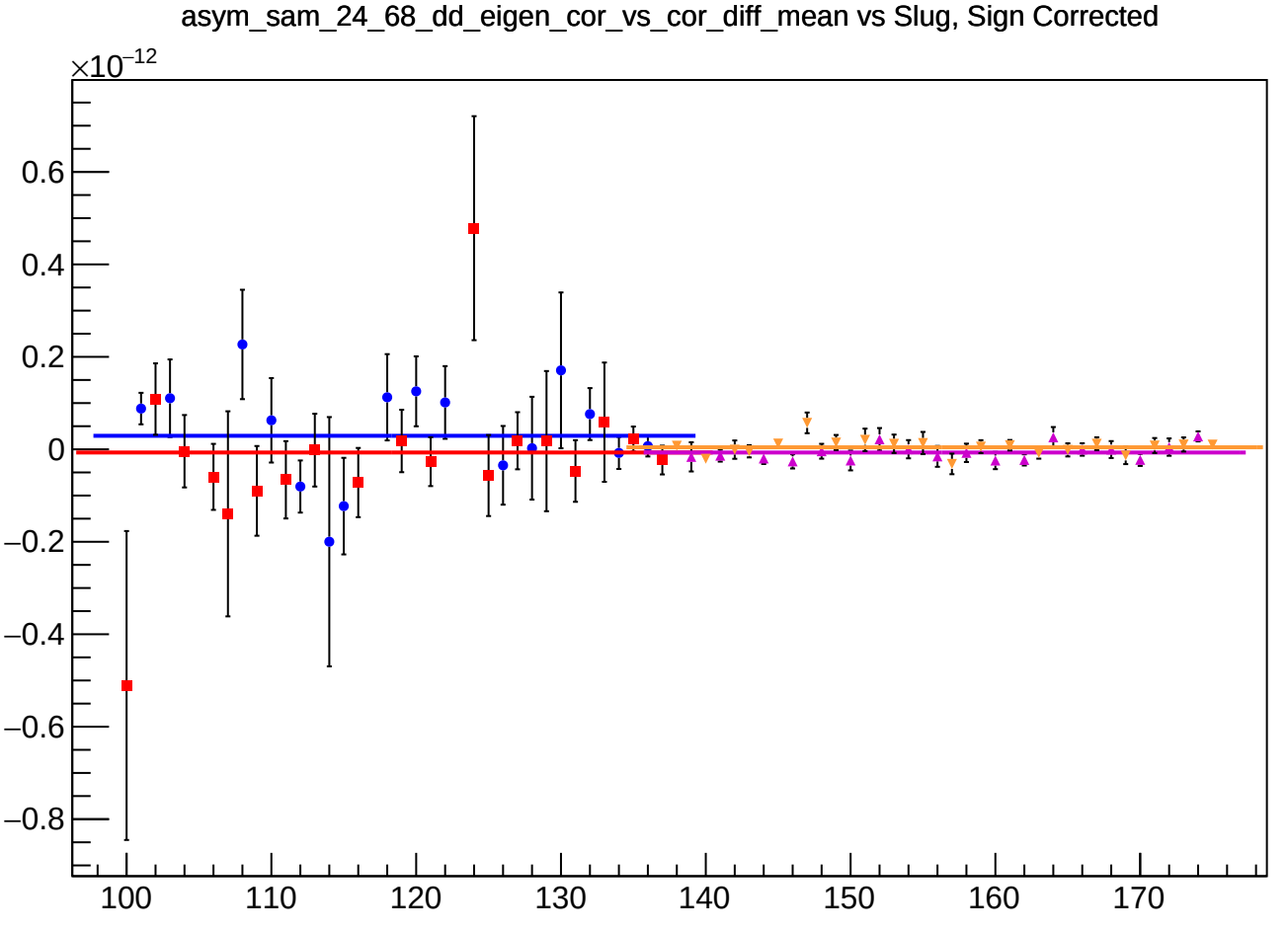
Left: 38.111+/-0.005 χ^2/NDF: 1547357.9/37

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 39.828+/-0.006 χ^2/NDF:1783523.5/33

Out: 40.488+/-0.006 χ^2/NDF:2028427.2/38

All: 40.161+/-0.004 χ^2/NDF: 3817618.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/19

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

Left In: -0.000+/-0.000 χ^2/NDF:22.7/17

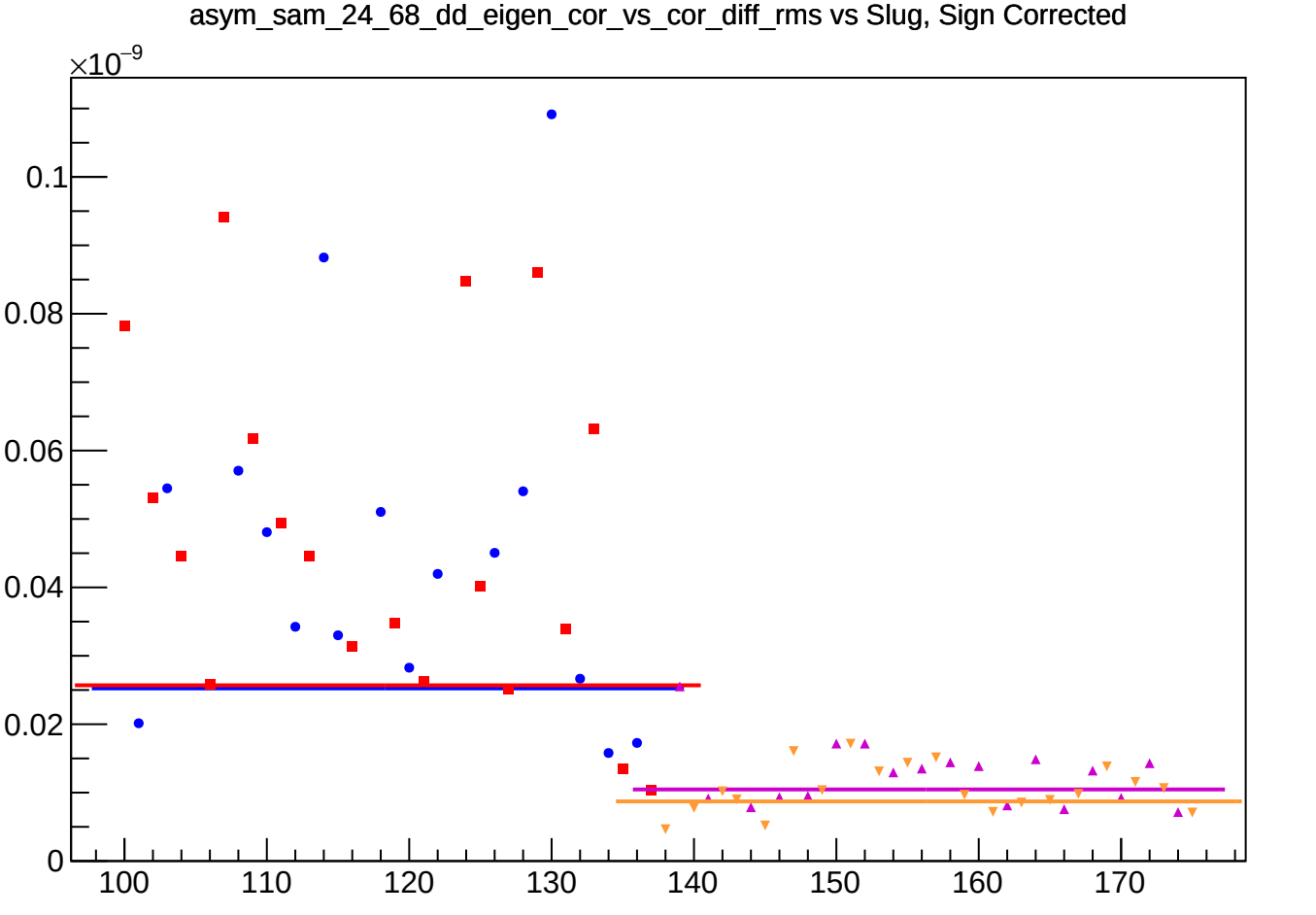
Left: -0.000+/-0.000 χ^2/NDF: 47.1/37

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:50.2/33

Out: 0.000+/-0.000 χ^2/NDF:34.0/38

All: 0.000+/-0.000 χ^2/NDF: 87.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1855181.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1726954.1/17

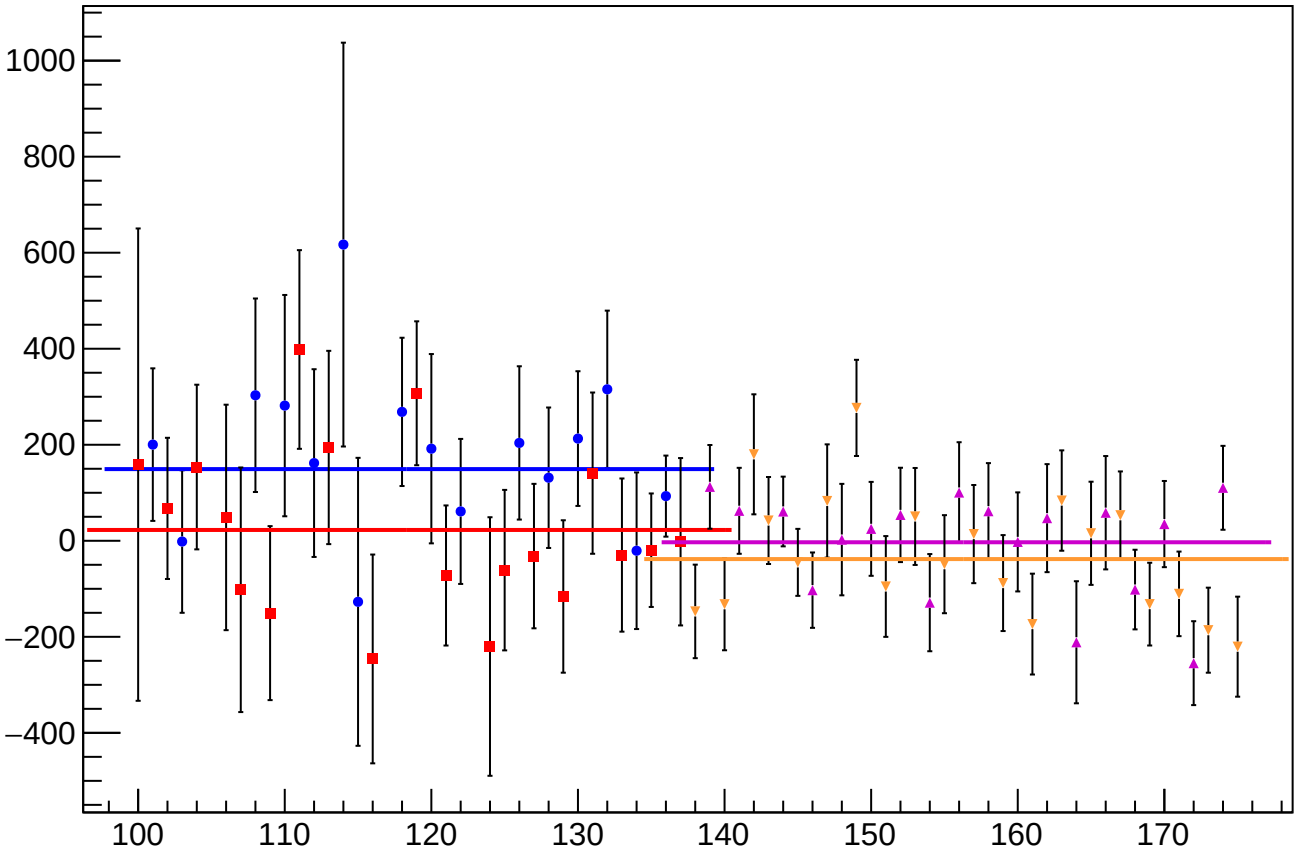
Left: 0.000+/-0.000 χ^2/NDF: 3837610.9/37

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6062394.2/33

Out: 0.000+/-0.000 χ^2/NDF:7320504.7/38

All: 0.000+/-0.000 χ^2/NDF: 13757427.5/72



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.085+/-21.668 χ^2/NDF:30.6/19

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: -3.082+/-22.263 χ^2/NDF:22.8/17

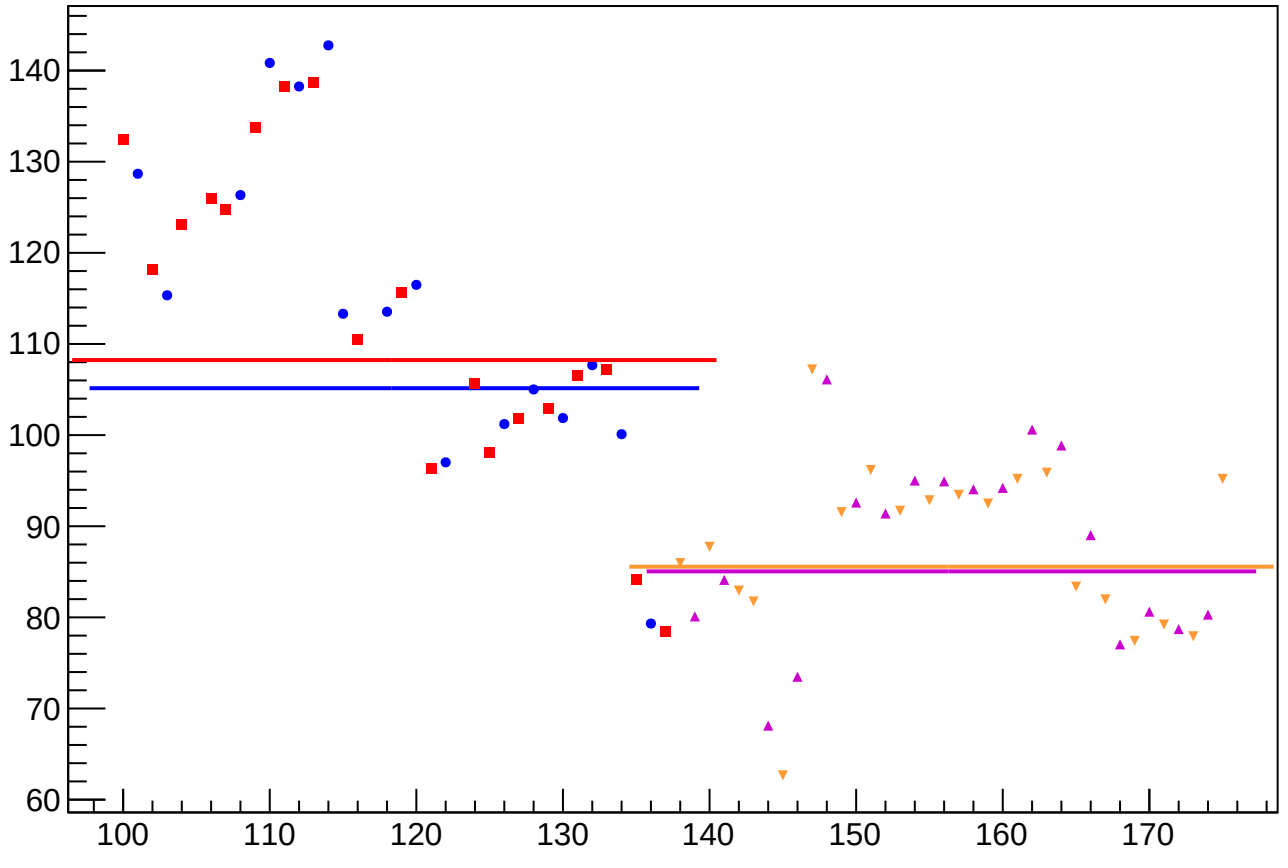
Left: -21.058+/-15.528 χ^2/NDF: 54.6/37

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 33.393+/-19.417 χ^2/NDF:42.0/33

Out: -24.382+/-19.063 χ^2/NDF:46.6/38

All: 3.974+/-13.603 χ^2/NDF: 93.1/72



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

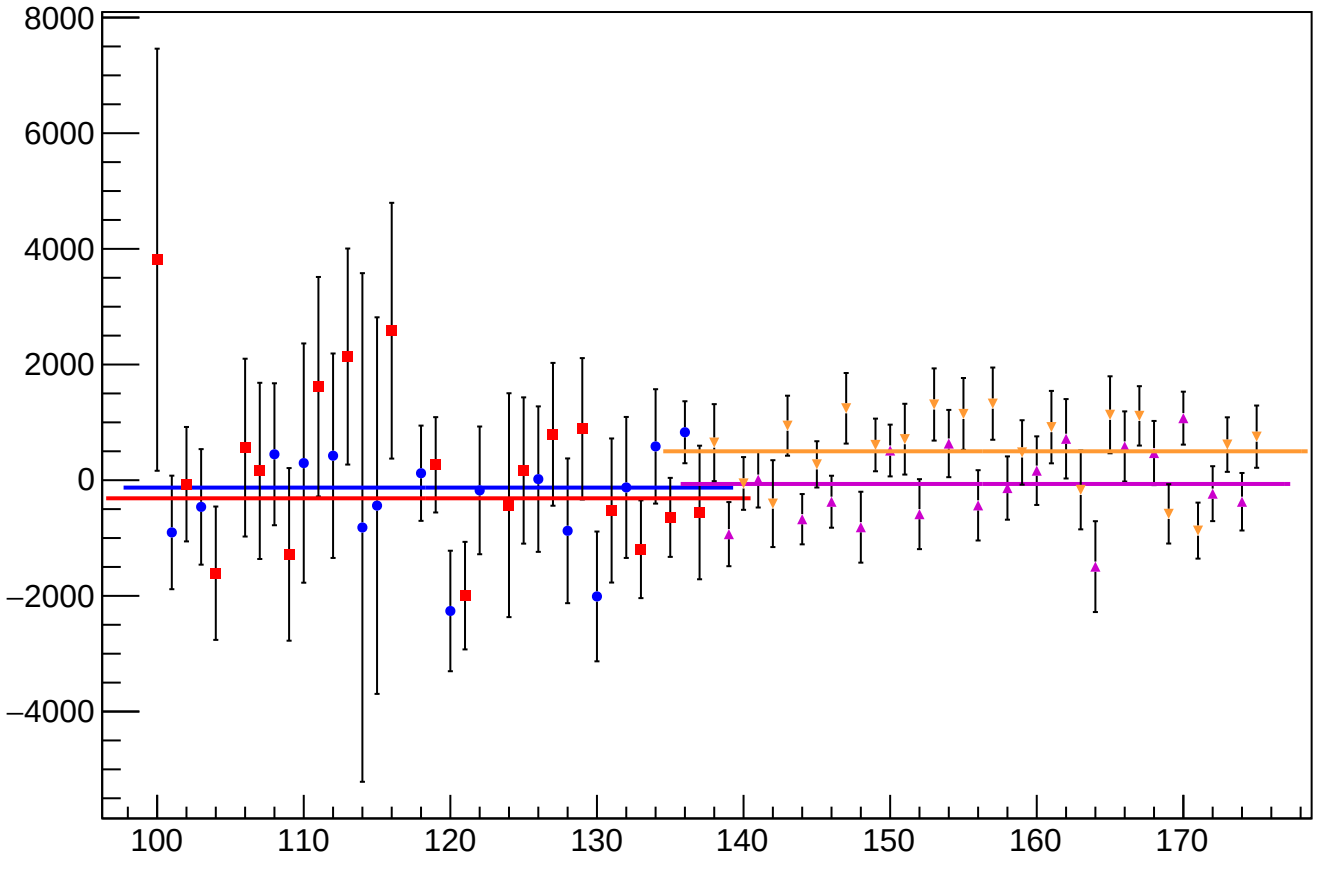
Left: 85.312+/-0.011 χ^2/NDF: 874025.7/37

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 89.858+/-0.014 χ^2/NDF:1216729.8/33

Out: 90.686+/-0.013 χ^2/NDF:1300037.3/38

All: 90.279+/-0.010 χ^2/NDF: 2518620.3/72



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.715+/-122.466 χ^2/NDF:26.7/19

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -65.137+/-126.001 χ^2/NDF:24.1/17

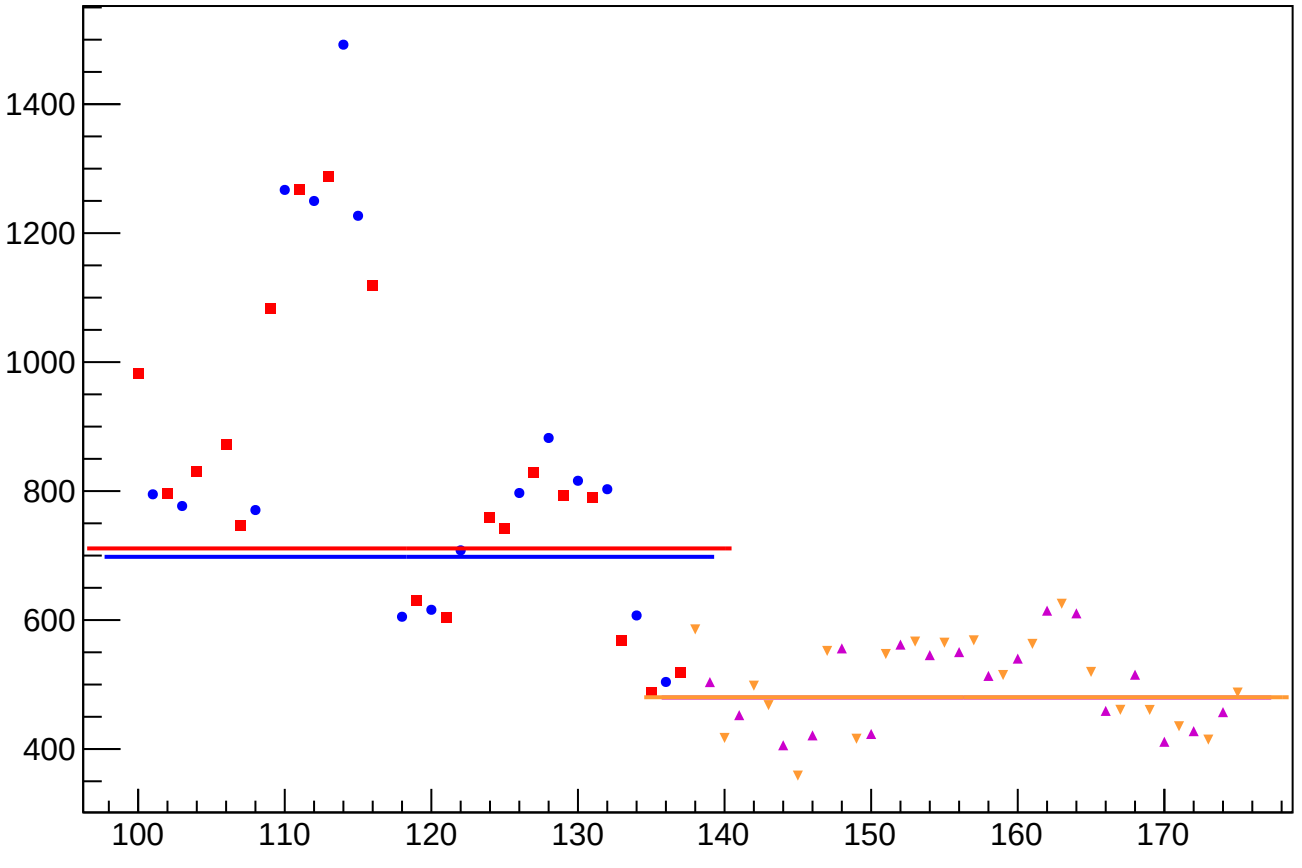
Left: 225.323+/-87.820 χ^2/NDF: 61.1/37

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -76.485+/-114.074 χ^2/NDF:36.5/33

Out: 361.148+/-111.539 χ^2/NDF:49.2/38

All: 147.248+/-79.751 χ^2/NDF: 93.2/72



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 480.301+/-0.087 χ^2/NDF:683941.9/19

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 479.847+/-0.089 χ^2/NDF:498249.6/17

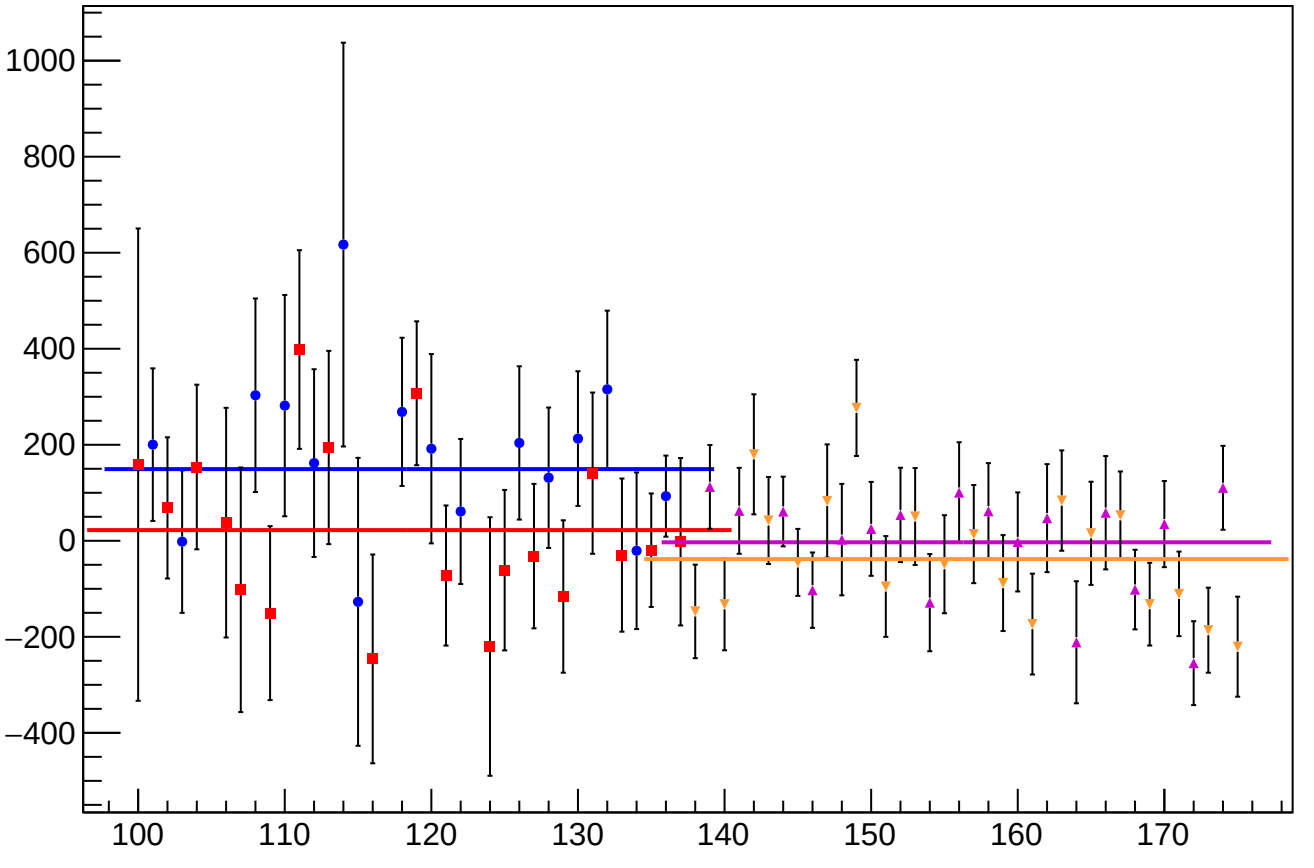
Left: 480.081+/-0.062 χ^2/NDF: 1182204.7/37

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 519.202+/-0.081 χ^2/NDF:2492898.1/33

Out: 519.648+/-0.079 χ^2/NDF:2930005.4/38

All: 519.430+/-0.056 χ^2/NDF: 5422919.1/72



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -3.082+/-22.263 χ^2/NDF:22.8/17

Left: -21.059+/-15.528 χ^2/NDF: 54.6/37

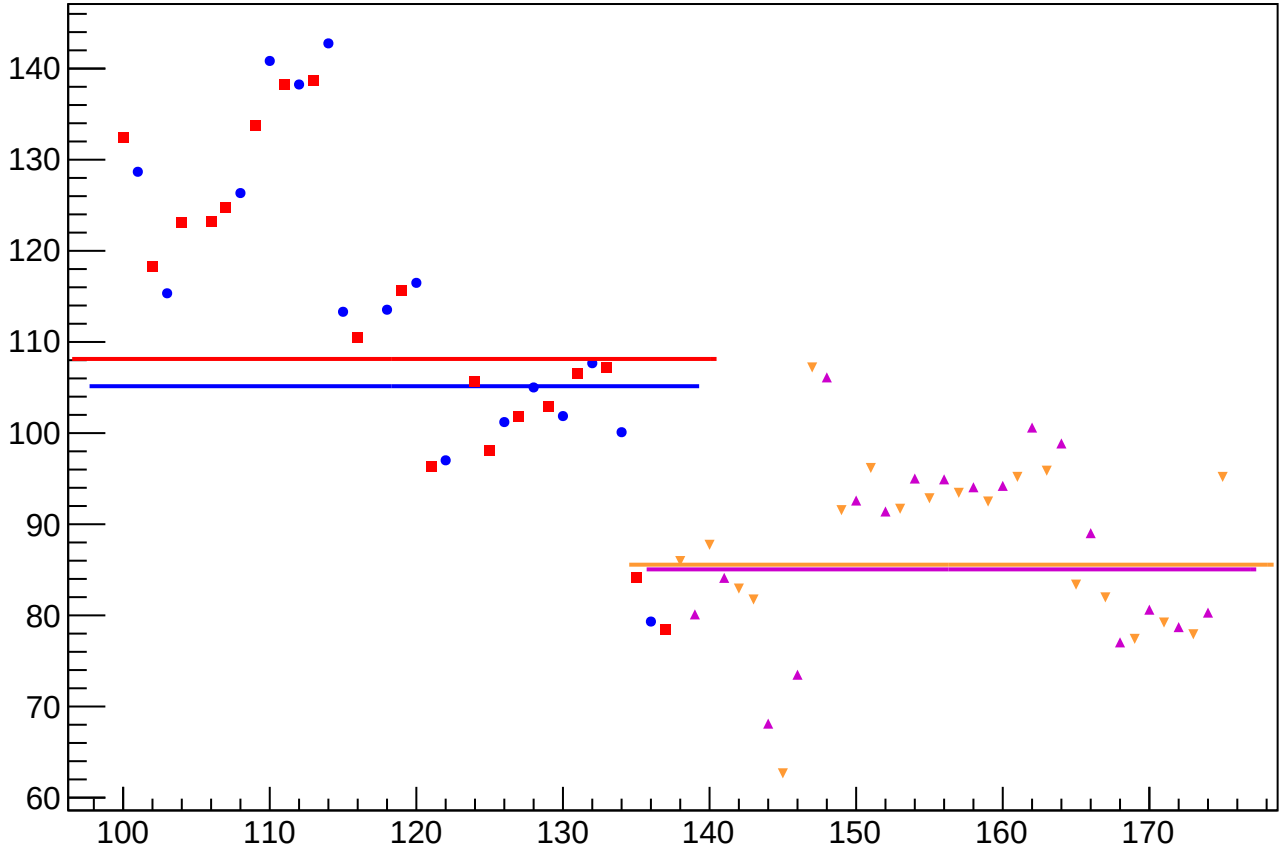
Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 33.391+/-19.417 χ^2/NDF:42.0/33

Out: -24.453+/-19.066 χ^2/NDF:46.5/38

All: 3.941+/-13.604 χ^2/NDF: 93.1/72

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

Left: 85.312+/-0.011 χ^2/NDF: 874025.7/37

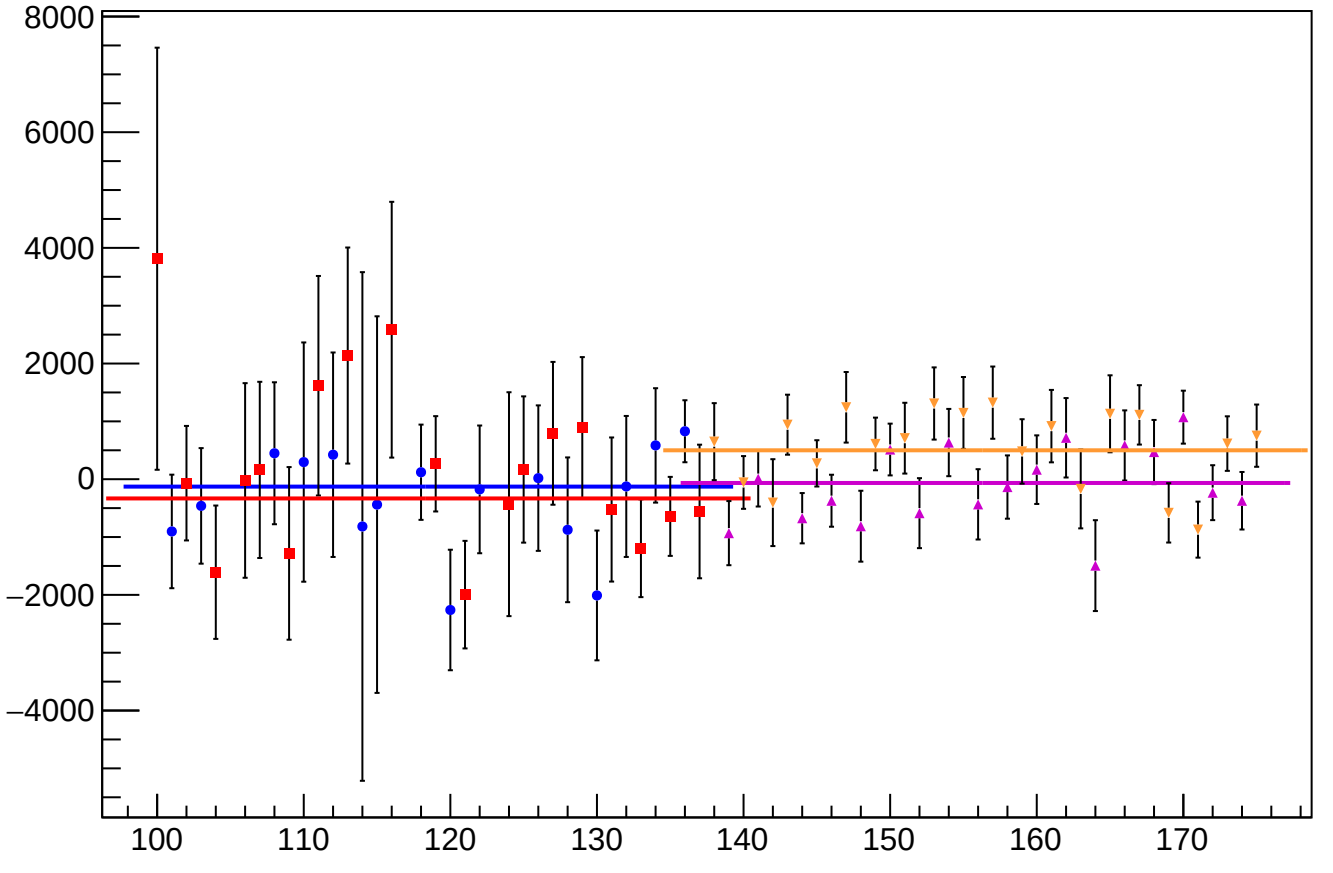
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.858+/-0.014 χ^2/NDF:1216730.2/33

Out: 90.660+/-0.013 χ^2/NDF:1291806.8/38

All: 90.266+/-0.010 χ^2/NDF: 2510275.0/72

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.716+/-122.467 χ^2/NDF:26.7/19

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -65.137+/-126.001 χ^2/NDF:24.1/17

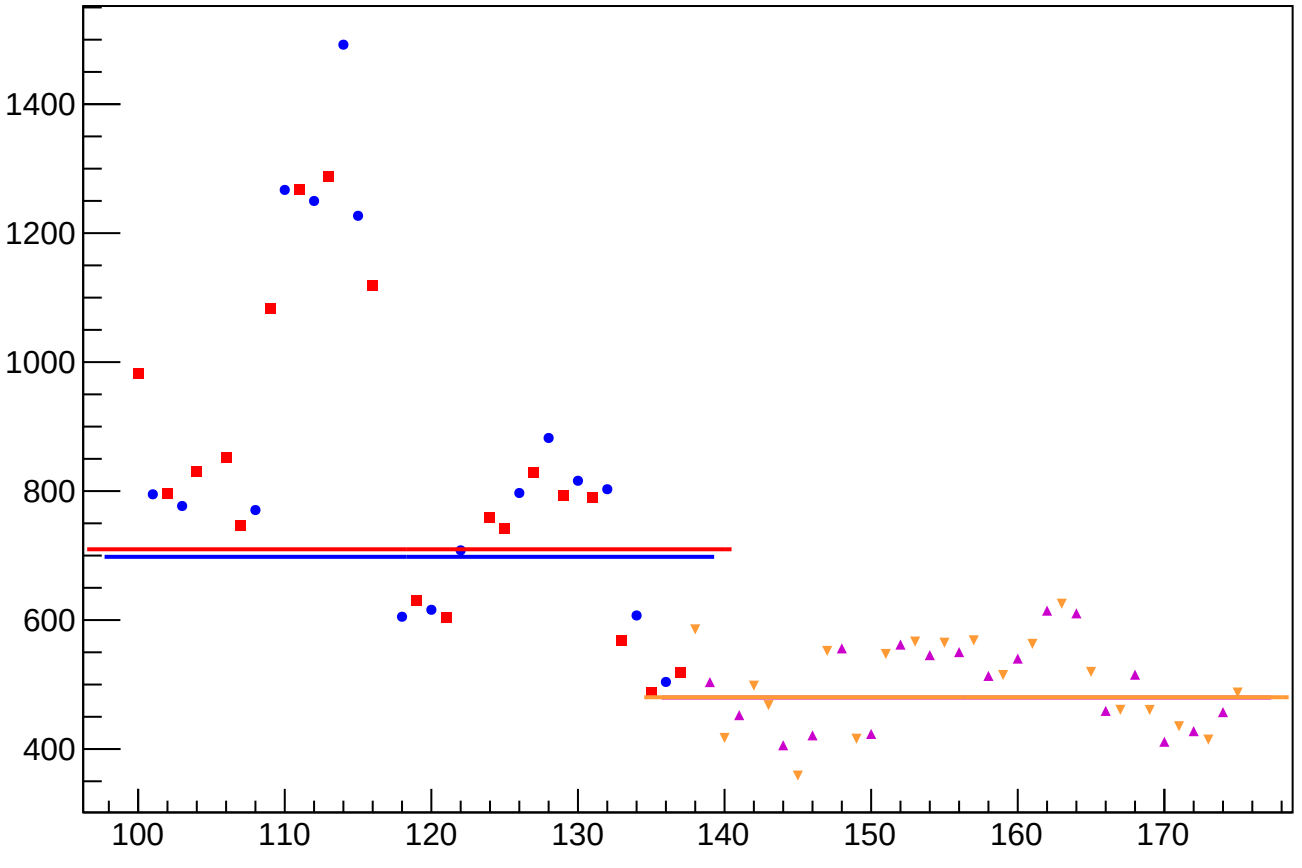
Left: 225.323+/-87.820 χ^2/NDF: 61.1/37

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -76.483+/-114.074 χ^2/NDF:36.5/33

Out: 358.413+/-111.589 χ^2/NDF:49.2/38

All: 145.754+/-79.769 χ^2/NDF: 93.1/72



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

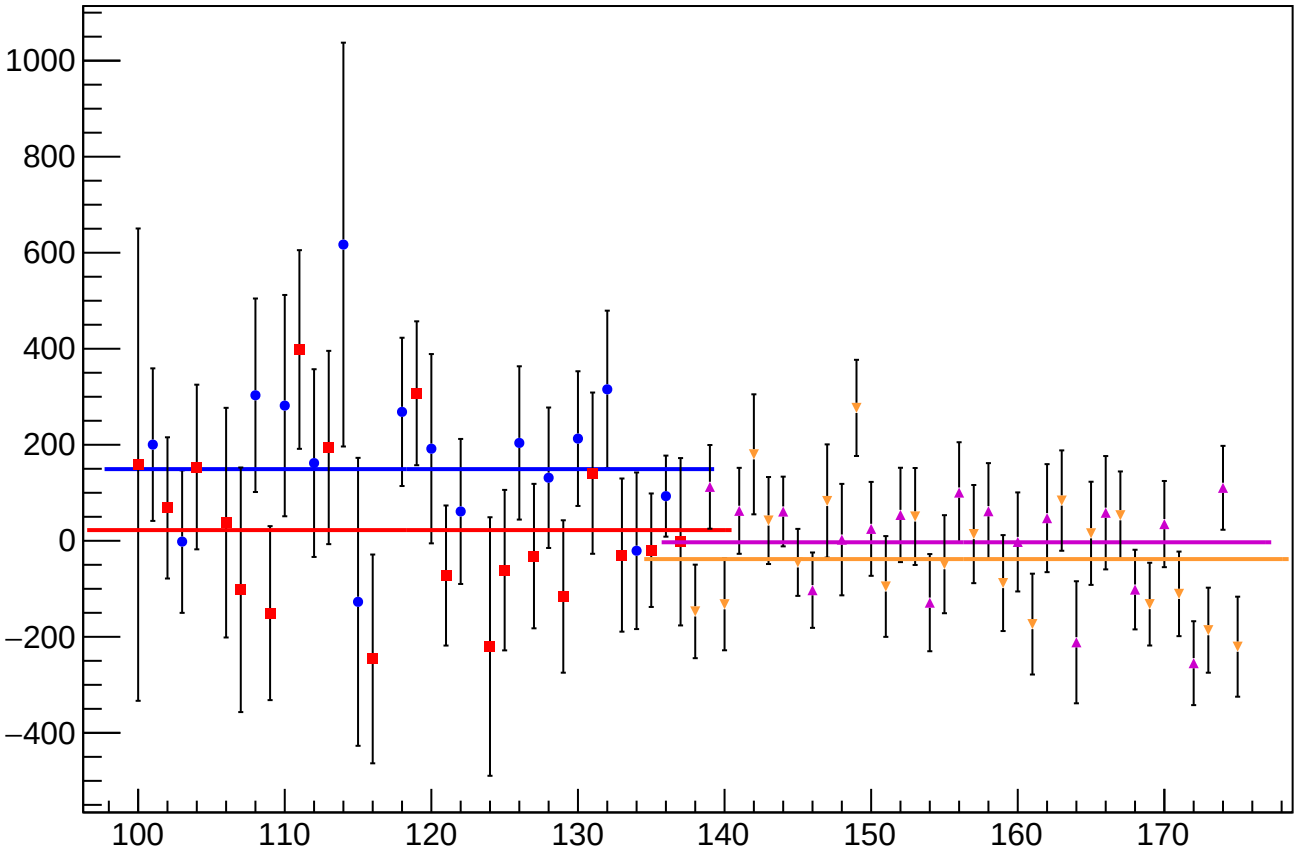
Left: 480.081+/-0.062 χ^2/NDF: 1182205.8/37

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 519.202+/-0.081 χ^2/NDF:2492914.7/33

Out: 519.251+/-0.079 χ^2/NDF:2902820.3/38

All: 519.227+/-0.056 χ^2/NDF: 5395735.3/72



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -3.082+/-22.263 χ^2/NDF:22.8/17

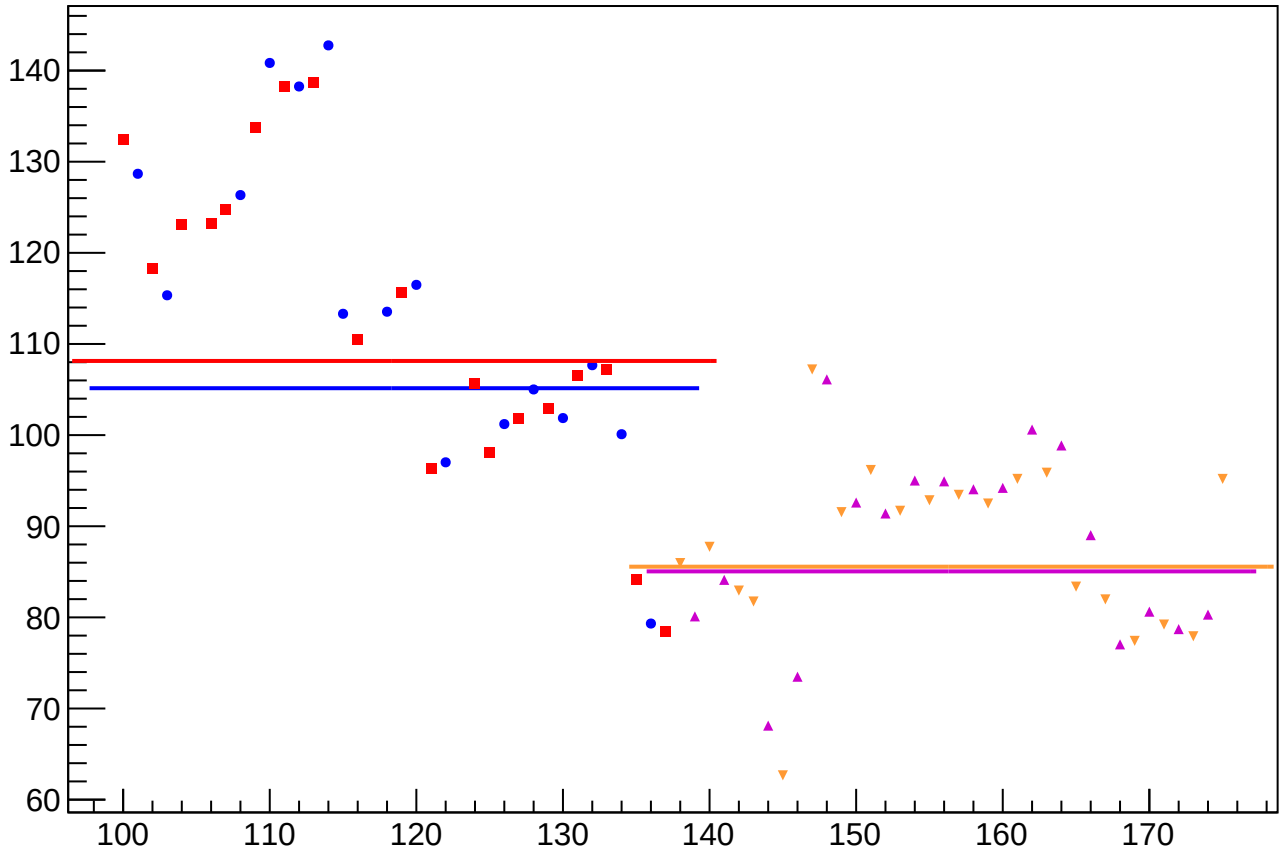
Left: -21.059+/-15.528 χ^2/NDF: 54.6/37

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 33.391+/-19.417 χ^2/NDF:42.0/33

Out: -24.453+/-19.066 χ^2/NDF:46.5/38

All: 3.941+/-13.604 χ^2/NDF: 93.1/72



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

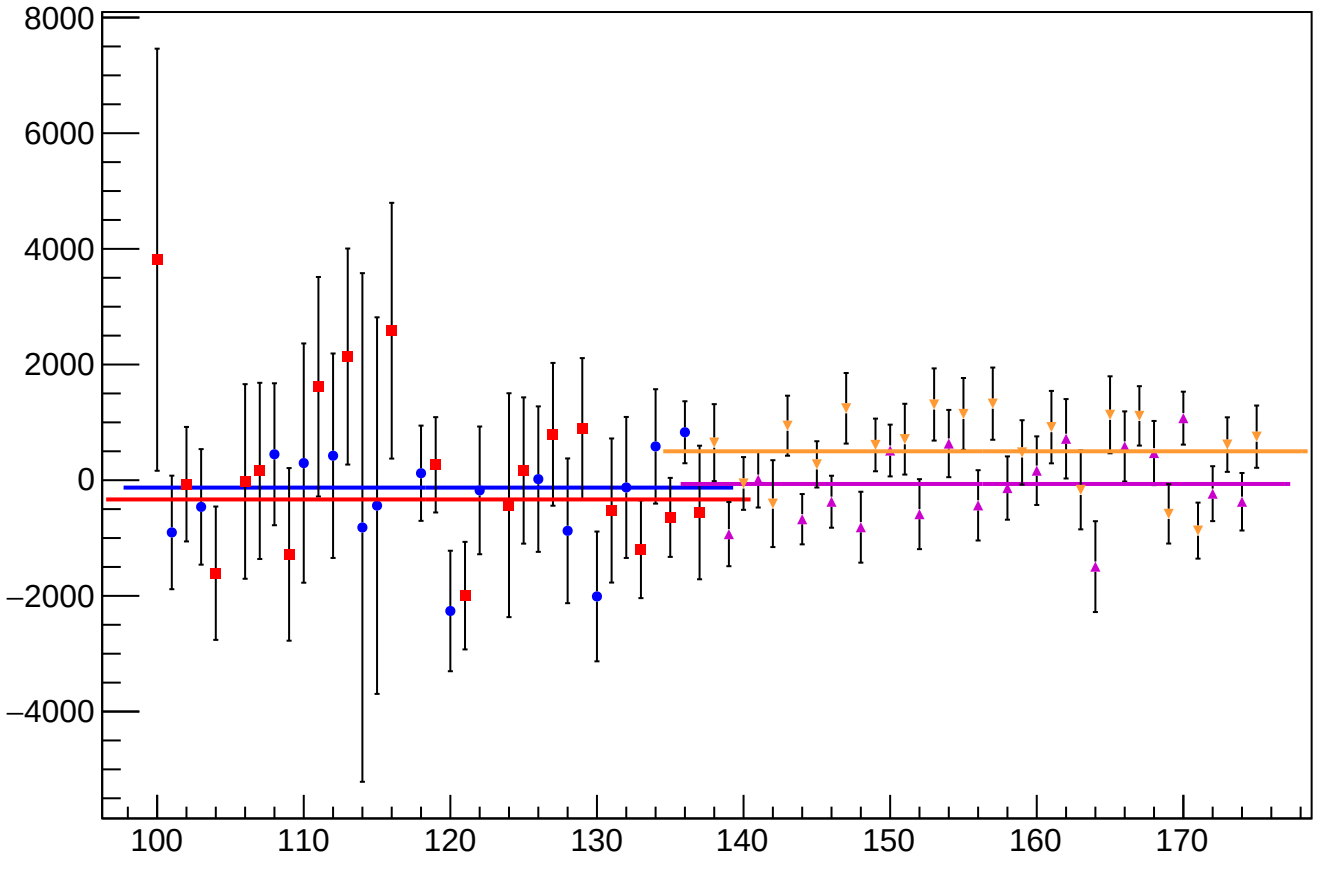
Left: 85.312+/-0.011 χ^2/NDF: 874025.7/37

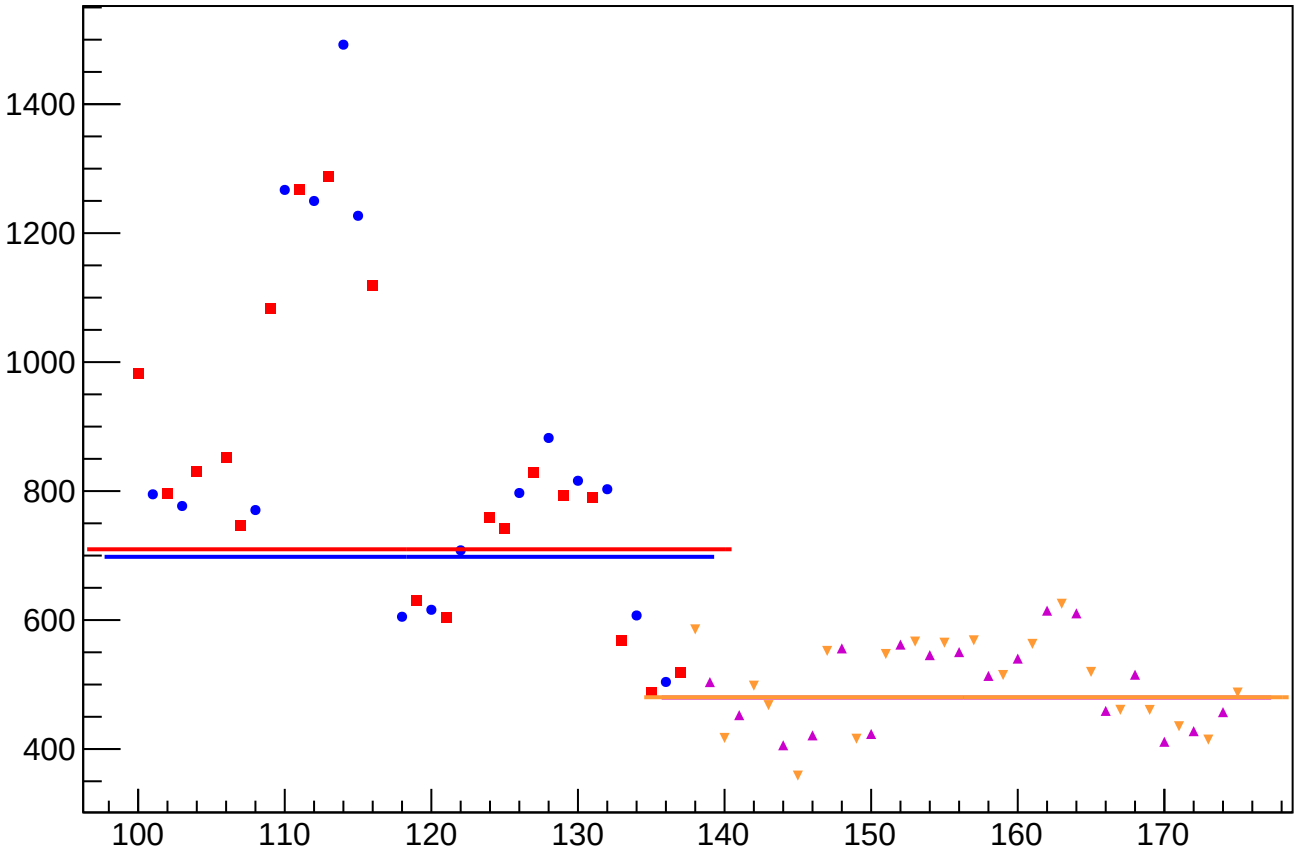
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.858+/-0.014 χ^2/NDF:1216730.2/33

Out: 90.660+/-0.013 χ^2/NDF:1291806.8/38

All: 90.266+/-0.010 χ^2/NDF: 2510275.0/72


asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -128.047+/-268.611 χ²/NDF: 12.3/15
Left Out: 499.716+/-122.467 χ²/NDF:26.7/19
Right Out: -332.665+/-270.835 χ²/NDF: 14.7/18
Left In: -65.137+/-126.001 χ²/NDF:24.1/17
Left: 225.323+/-87.820 χ²/NDF: 61.1/37
Right: -229.512+/-190.718 χ²/NDF: 27.3/34
In: -76.483+/-114.074 χ²/NDF:36.5/33
Out: 358.413+/-111.589 χ²/NDF:49.2/38
All: 145.754+/-79.769 χ²/NDF: 93.1/72



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

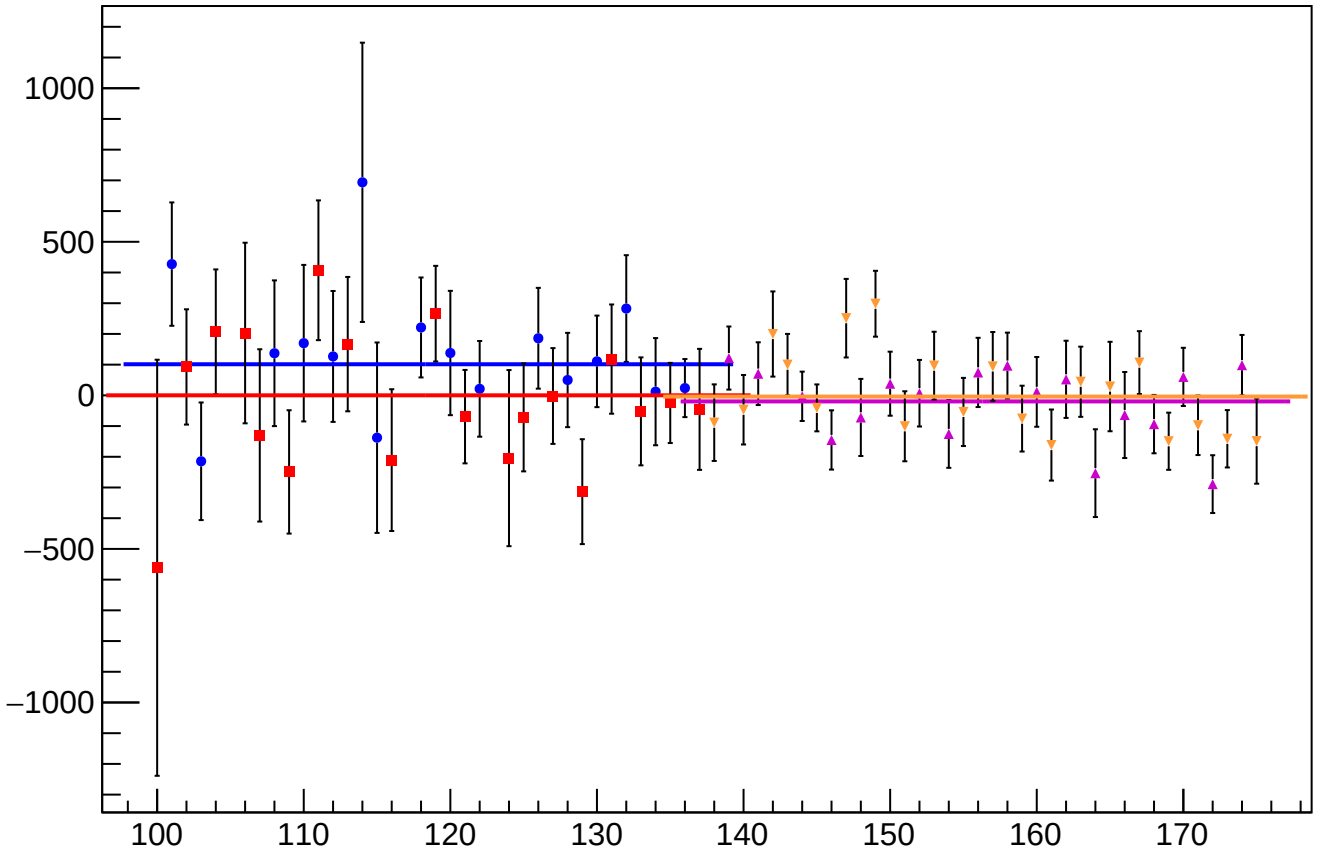
Left: 480.081+/-0.062 χ^2/NDF: 1182205.8/37

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 519.202+/-0.081 χ^2/NDF:2492914.7/33

Out: 519.251+/-0.079 χ^2/NDF:2902820.3/38

All: 519.227+/-0.056 χ^2/NDF: 5395735.3/72



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.959+/-24.232 χ^2/NDF:28.9/19

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -19.749+/-24.845 χ^2/NDF:21.9/17

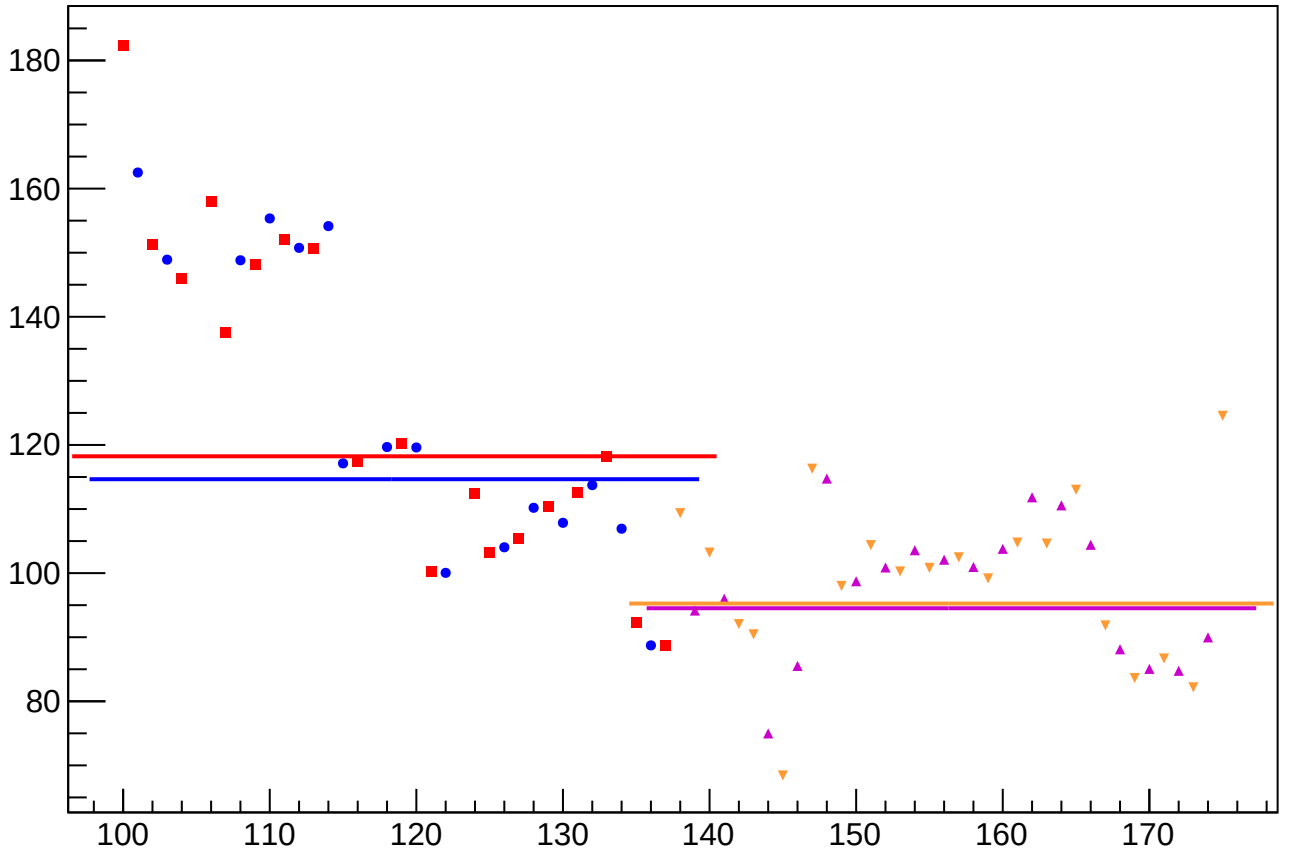
Left: -11.657+/-17.348 χ^2/NDF: 50.9/37

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 10.012+/-21.576 χ^2/NDF:38.7/33

Out: -3.010+/-21.230 χ^2/NDF:45.5/38

All: 3.396+/-15.133 χ^2/NDF: 84.4/72



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.254+/-0.017 χ^2/NDF:610269.4/19

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.519+/-0.018 χ^2/NDF:369303.8/17

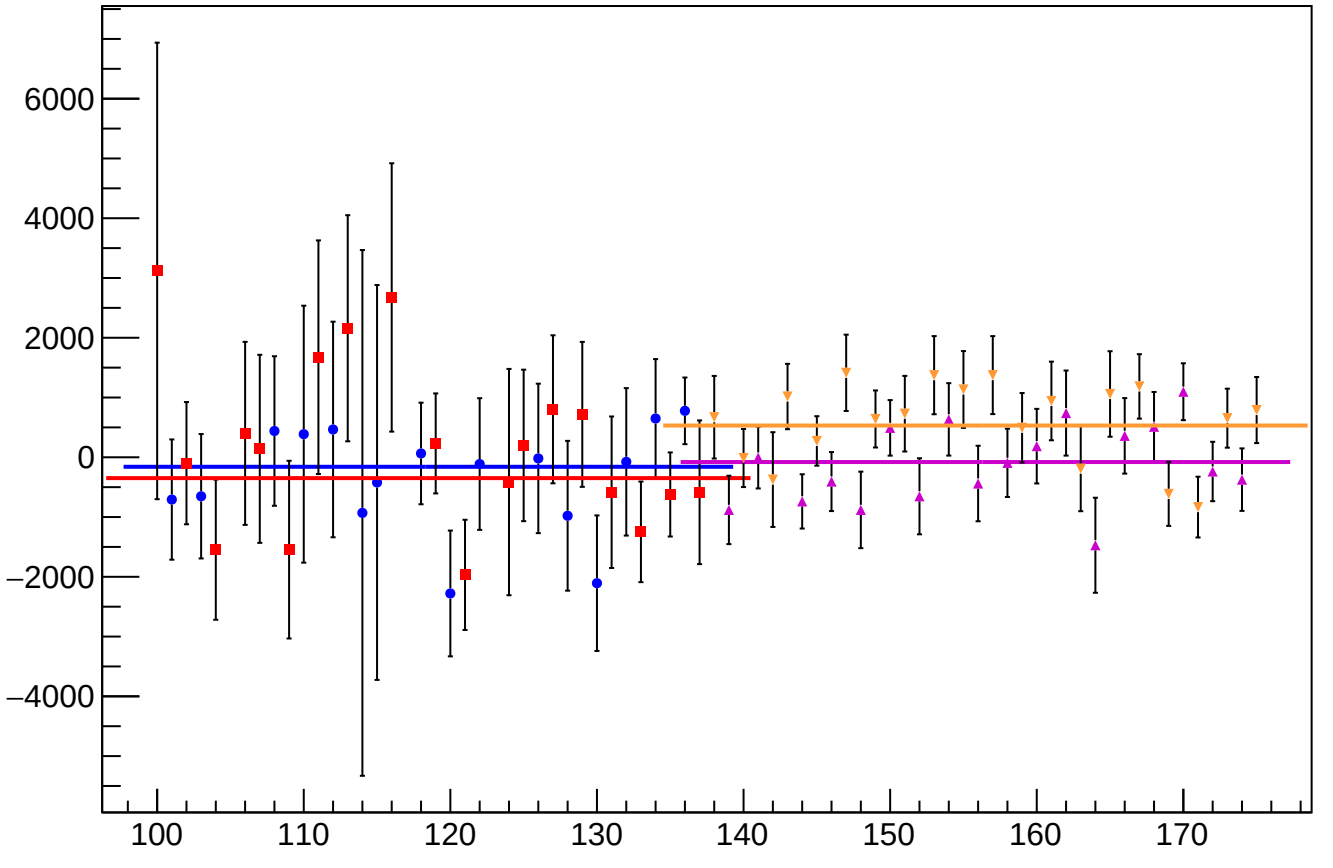
Left: 94.896+/-0.012 χ^2/NDF: 980471.5/37

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 99.470+/-0.015 χ^2/NDF:1224294.9/33

Out: 100.595+/-0.015 χ^2/NDF:1511602.6/38

All: 100.042+/-0.011 χ^2/NDF: 2738659.3/72



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.158+/-128.116 χ^2/NDF:25.5/19

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -79.651+/-132.118 χ^2/NDF:22.7/17

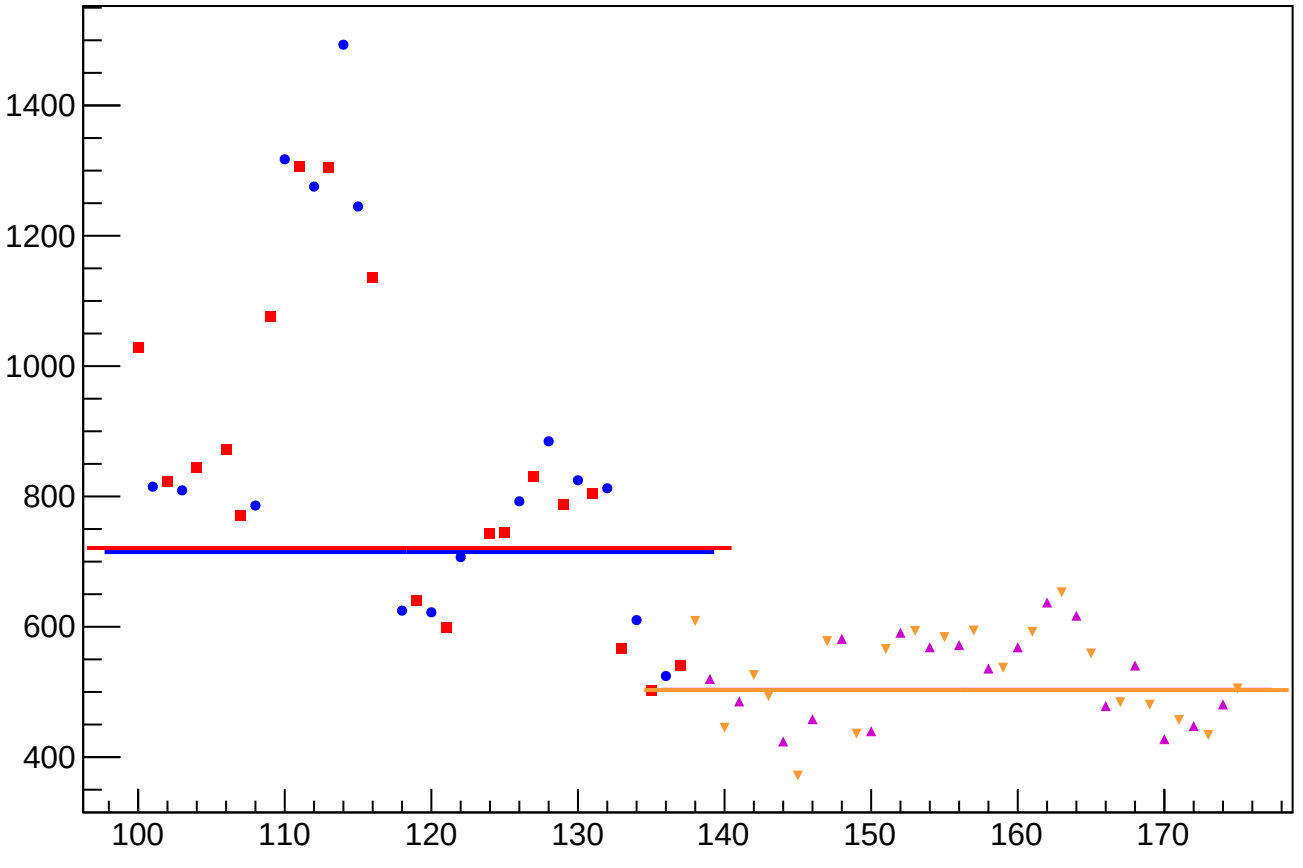
Left: 235.145+/-91.974 χ^2/NDF: 59.3/37

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -94.590+/-119.051 χ^2/NDF:34.8/33

Out: 372.956+/-116.025 χ^2/NDF:48.3/38

All: 145.200+/-83.091 χ^2/NDF: 91.0/72



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.950+/-0.091 χ^2/NDF:681238.4/19

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 503.275+/-0.093 χ^2/NDF:464370.7/17

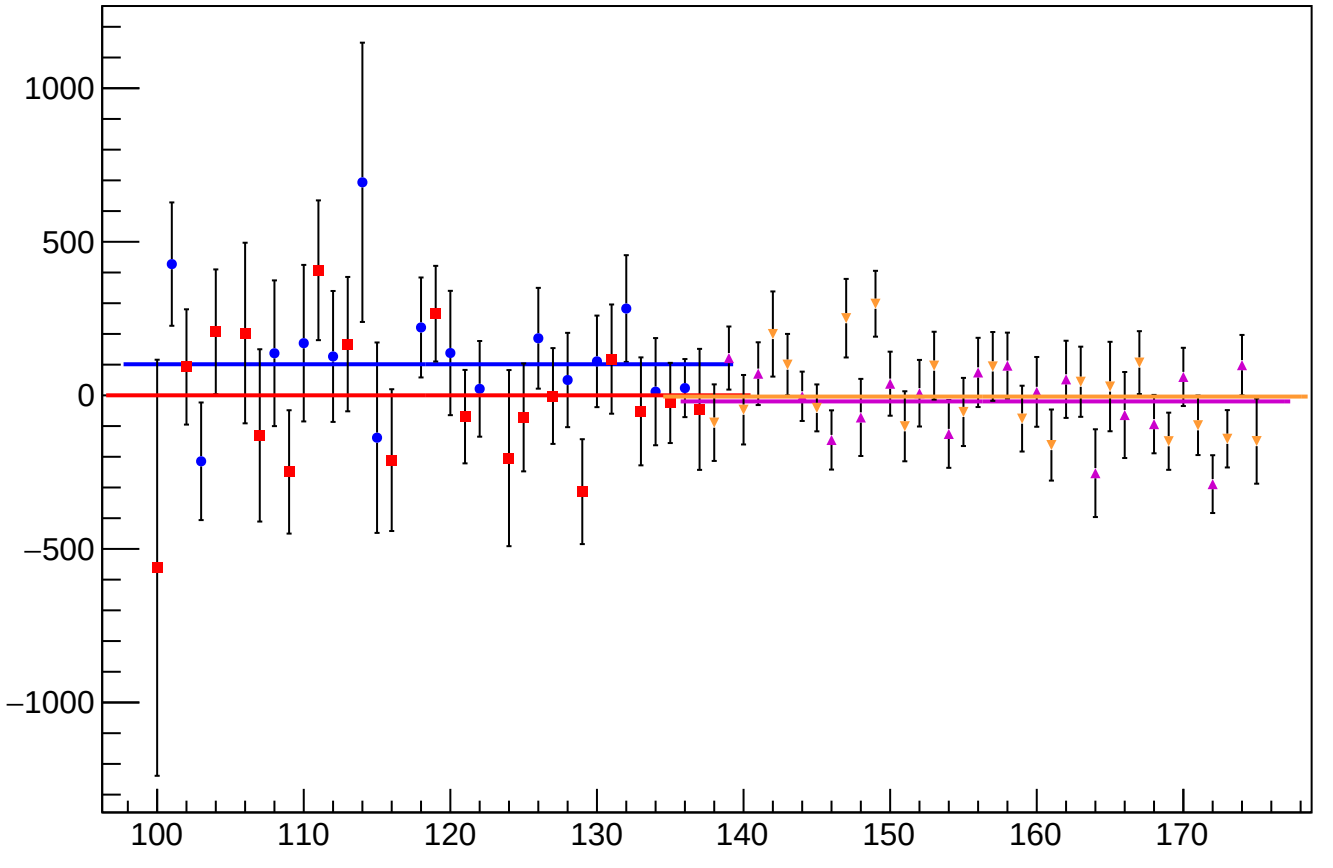
Left: 503.107+/-0.065 χ^2/NDF: 1145615.3/37

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 543.020+/-0.084 χ^2/NDF:2303269.9/33

Out: 542.143+/-0.082 χ^2/NDF:2740468.7/38

All: 542.571+/-0.059 χ^2/NDF: 5043794.3/72



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.961+/-24.232 χ^2/NDF:28.9/19

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -19.750+/-24.845 χ^2/NDF:21.9/17

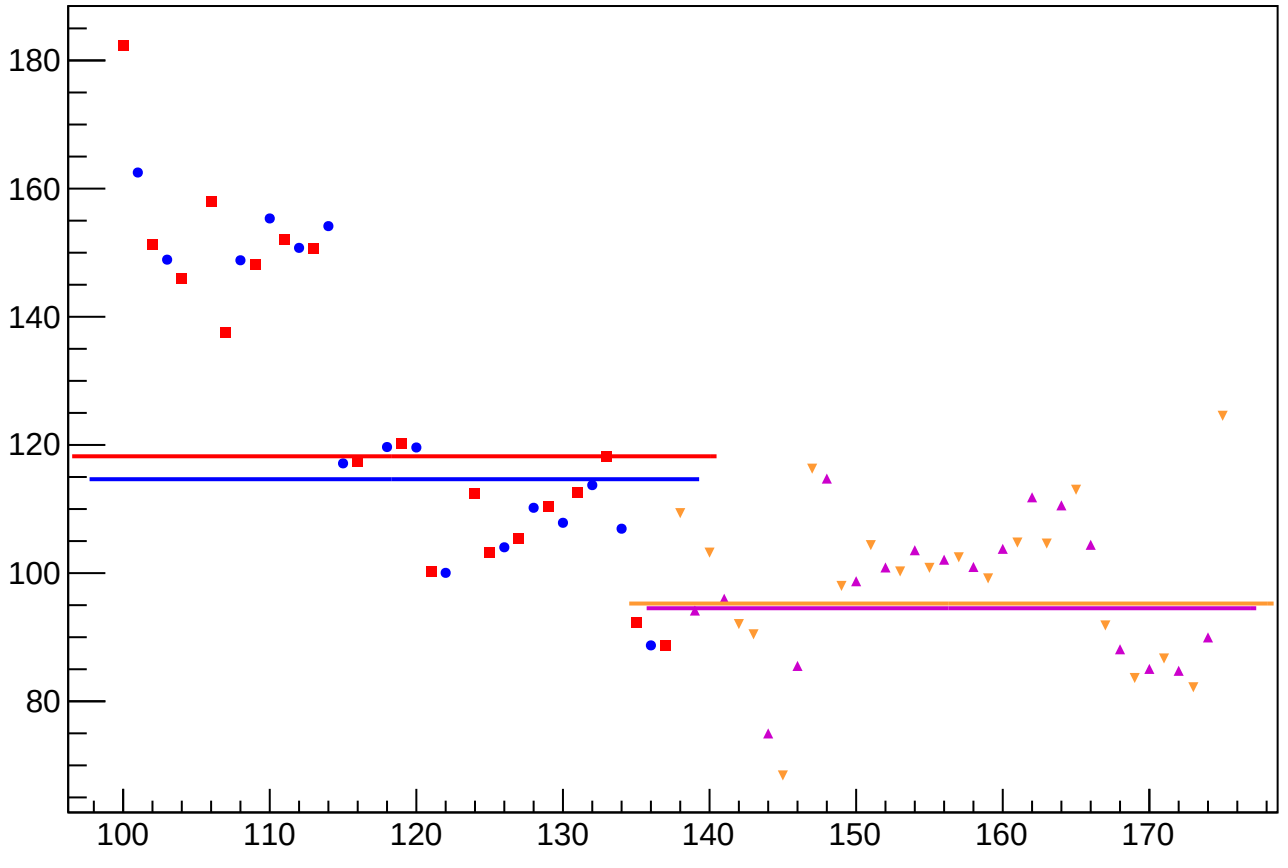
Left: -11.658+/-17.348 χ^2/NDF: 50.9/37

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 10.011+/-21.576 χ^2/NDF:38.7/33

Out: -3.011+/-21.230 χ^2/NDF:45.5/38

All: 3.395+/-15.133 χ^2/NDF: 84.4/72



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.254+/-0.017 χ^2/NDF:610277.2/19

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.519+/-0.018 χ^2/NDF:369305.6/17

Left: 94.896+/-0.012 χ^2/NDF: 980481.0/37

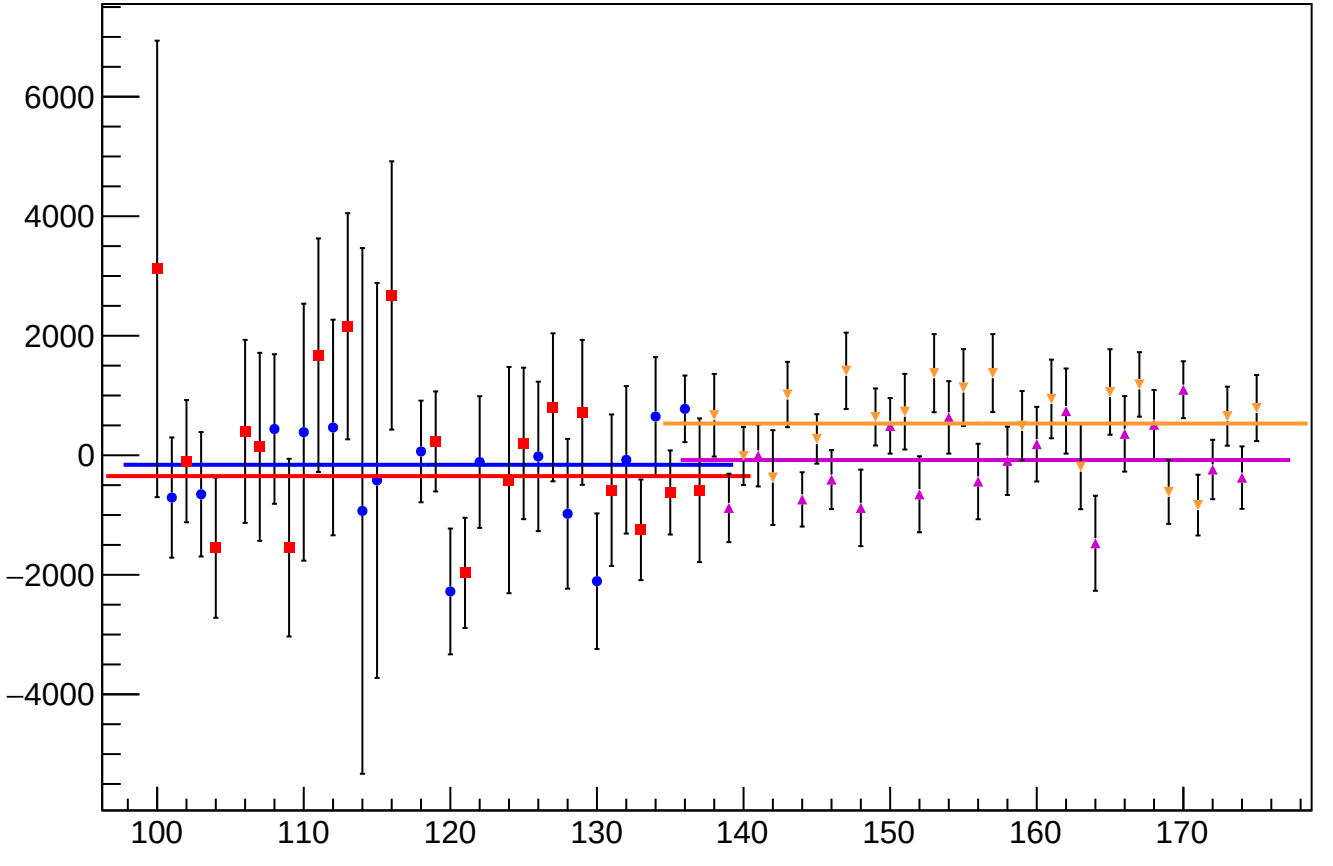
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 99.470+/-0.015 χ^2/NDF:1224287.3/33

Out: 100.595+/-0.015 χ^2/NDF:1511603.6/38

All: 100.042+/-0.011 χ^2/NDF: 2738652.5/72

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.157+/-128.116 χ^2/NDF:25.5/19

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -79.650+/-132.118 χ^2/NDF:22.7/17

Left: 235.144+/-91.974 χ^2/NDF: 59.3/37

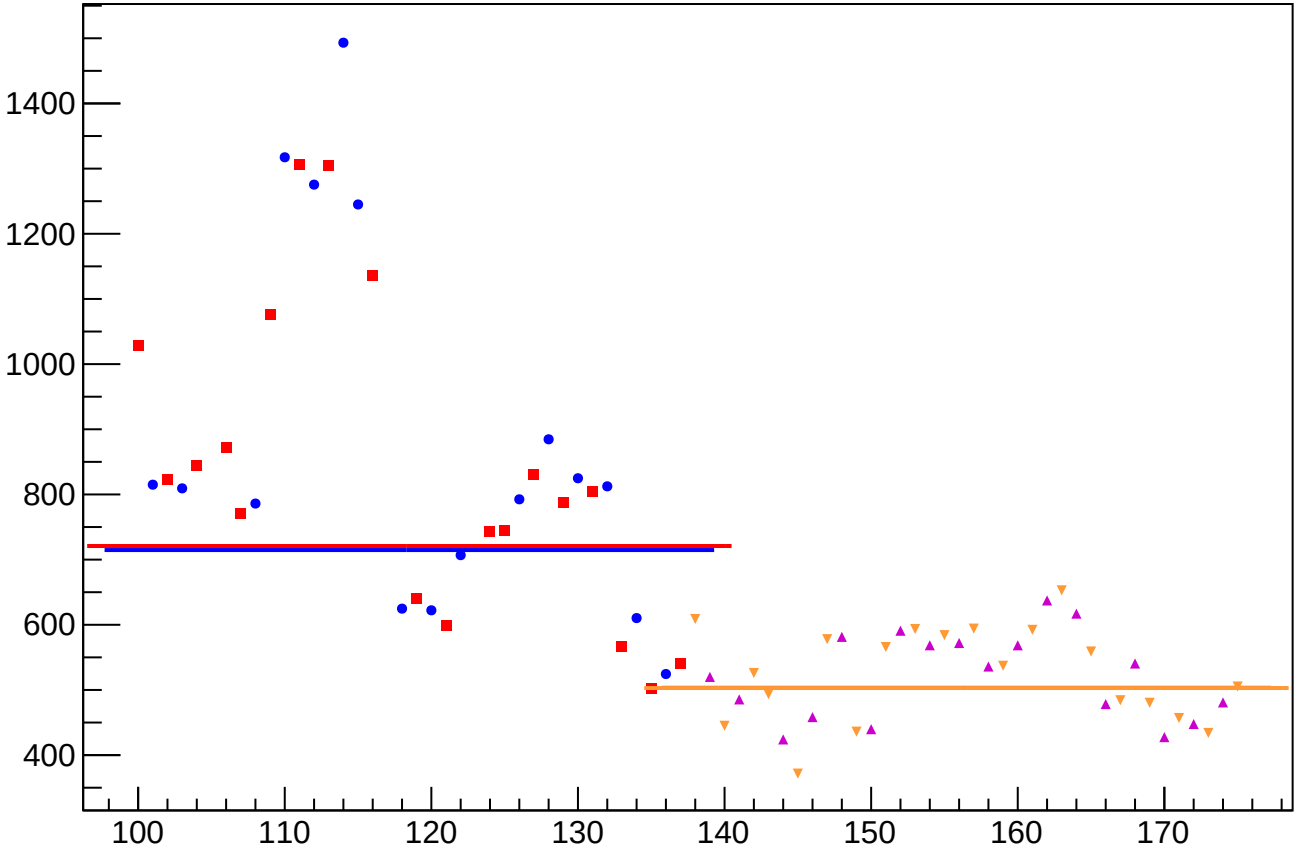
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -94.591+/-119.051 χ^2/NDF:34.8/33

Out: 372.954+/-116.025 χ^2/NDF:48.3/38

All: 145.200+/-83.091 χ^2/NDF: 91.0/72

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.950+/-0.091 χ^2/NDF:681240.4/19

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 503.275+/-0.093 χ^2/NDF:464370.1/17

Left: 503.107+/-0.065 χ^2/NDF: 1145616.8/37

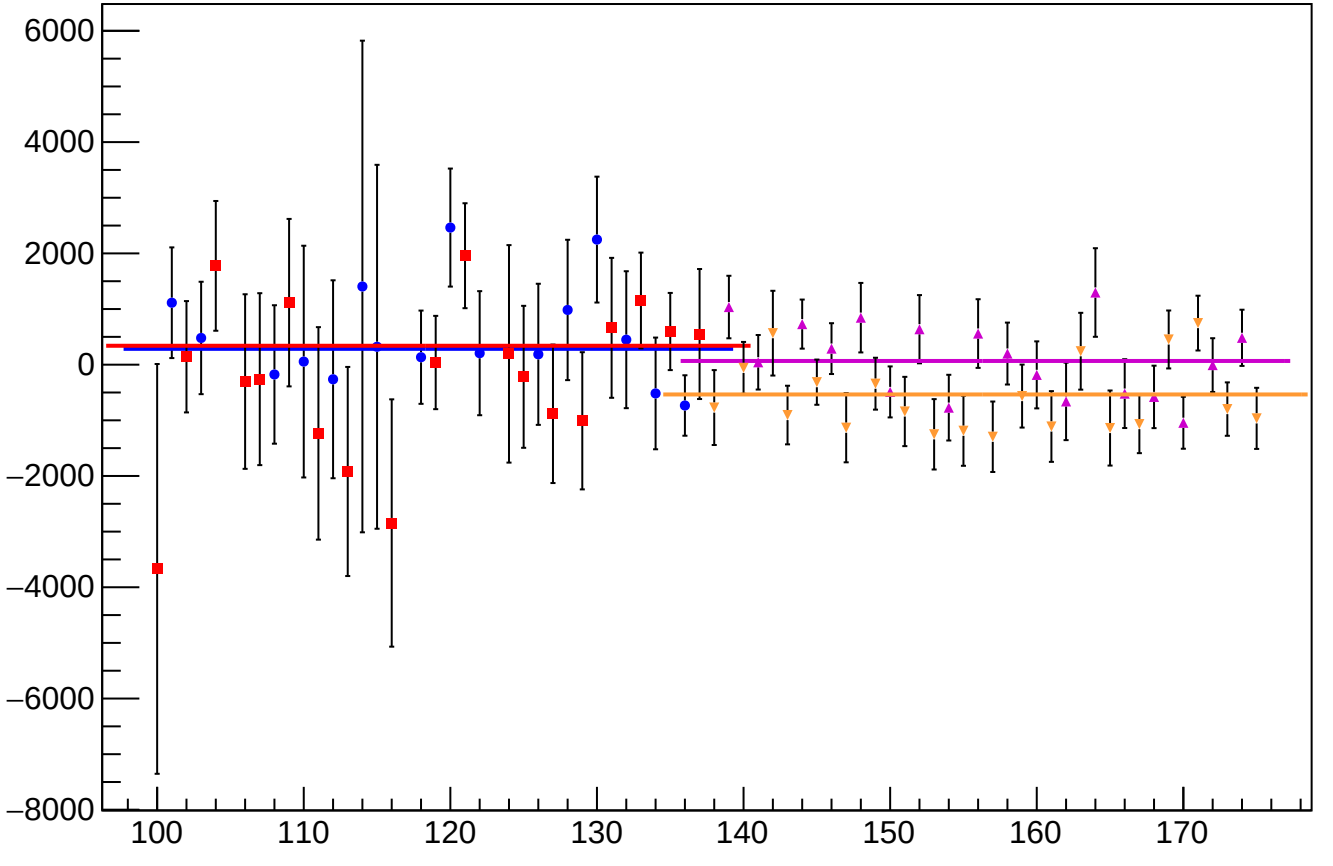
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 543.021+/-0.084 χ^2/NDF:2303264.1/33

Out: 542.143+/-0.082 χ^2/NDF:2740464.0/38

All: 542.570+/-0.059 χ^2/NDF: 5043783.9/72

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -535.064+/-124.504 χ^2/NDF:24.4/19

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 66.789+/-128.065 χ^2/NDF:24.3/17

Left: -242.622+/-89.270 χ^2/NDF: 60.1/37

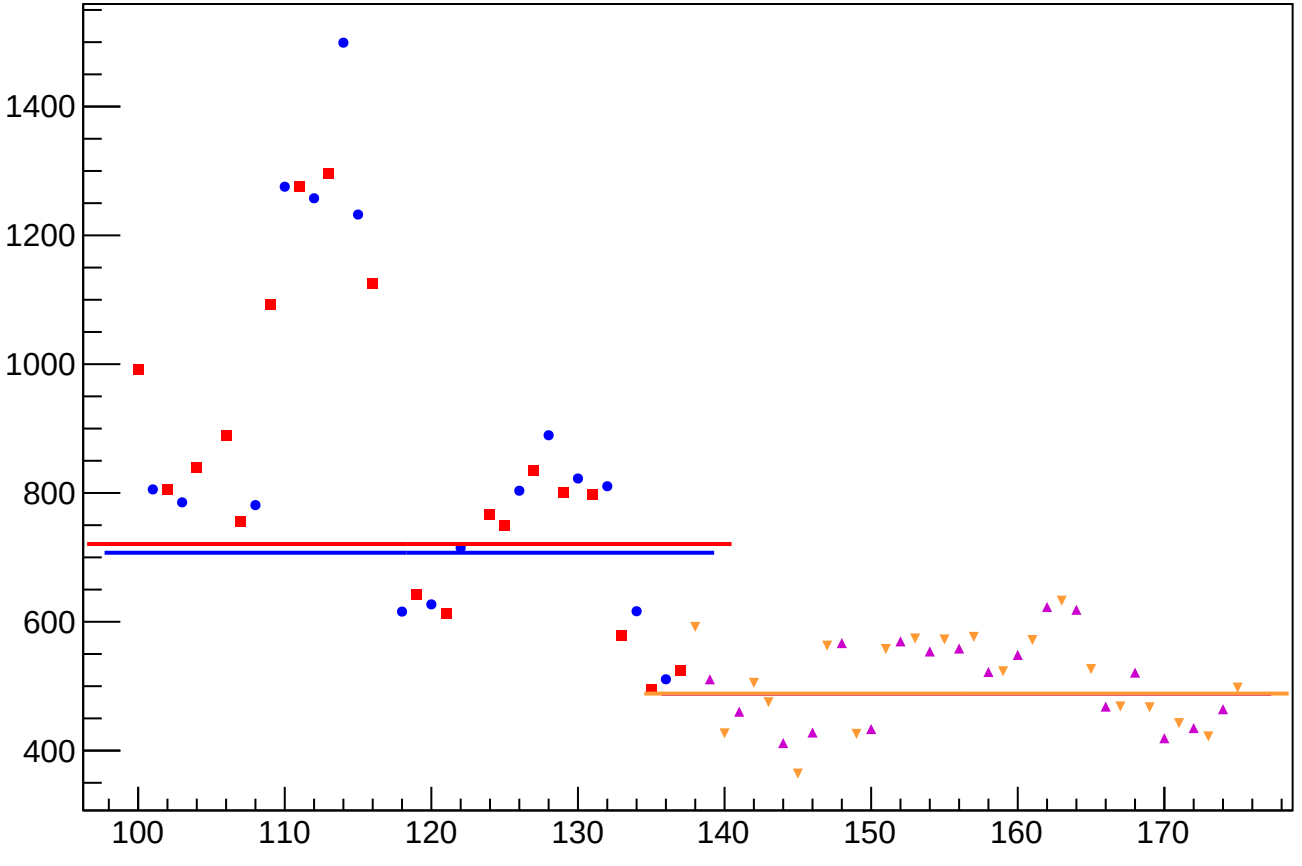
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 106.357+/-115.861 χ^2/NDF:37.6/33

Out: -384.943+/-113.322 χ^2/NDF:47.0/38

All: -144.734+/-81.013 χ^2/NDF: 93.8/72

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.519+/-0.088 χ^2/NDF:669823.6/19

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.854+/-0.091 χ^2/NDF:488458.9/17

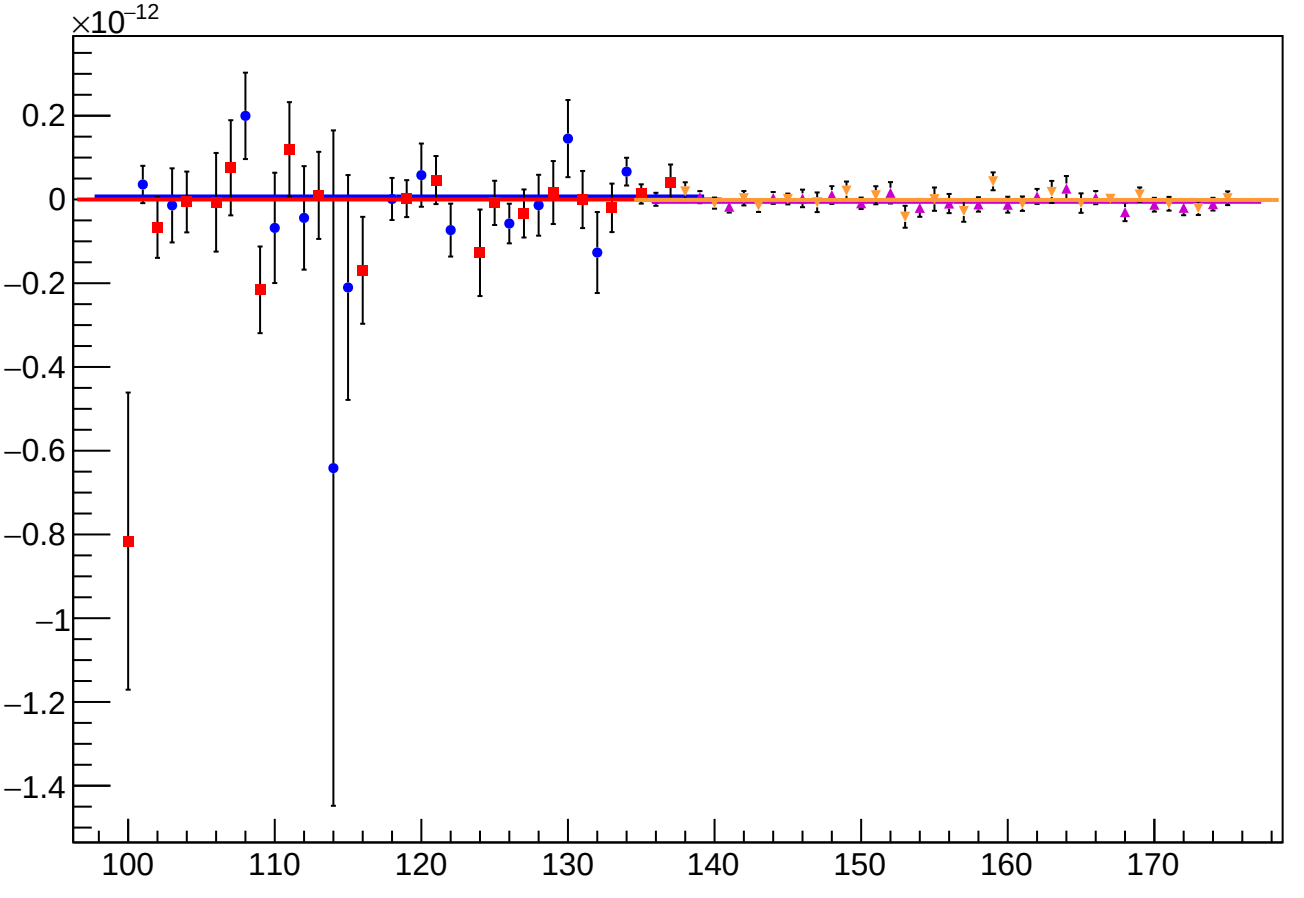
Left: 488.196+/-0.063 χ^2/NDF: 1158310.3/37

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 527.671+/-0.082 χ^2/NDF:2450215.7/33

Out: 528.363+/-0.080 χ^2/NDF:2879097.6/38

All: 528.025+/-0.057 χ^2/NDF: 5329349.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/17

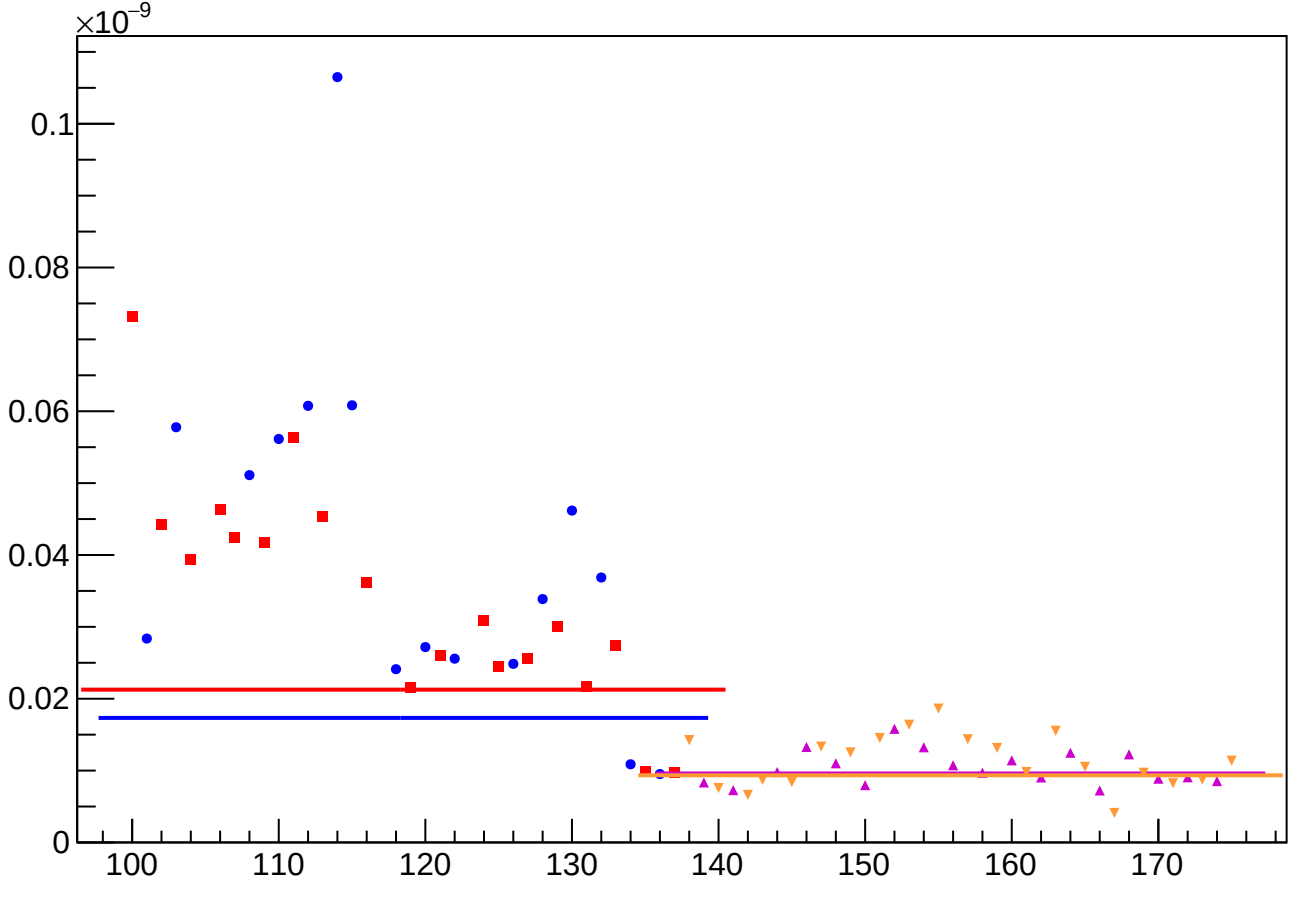
Left: -0.000+/-0.000 χ^2/NDF: 23.3/37

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:26.7/33

Out: -0.000+/-0.000 χ^2/NDF:32.3/38

All: -0.000+/-0.000 χ^2/NDF: 59.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719173.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:480628.1/17

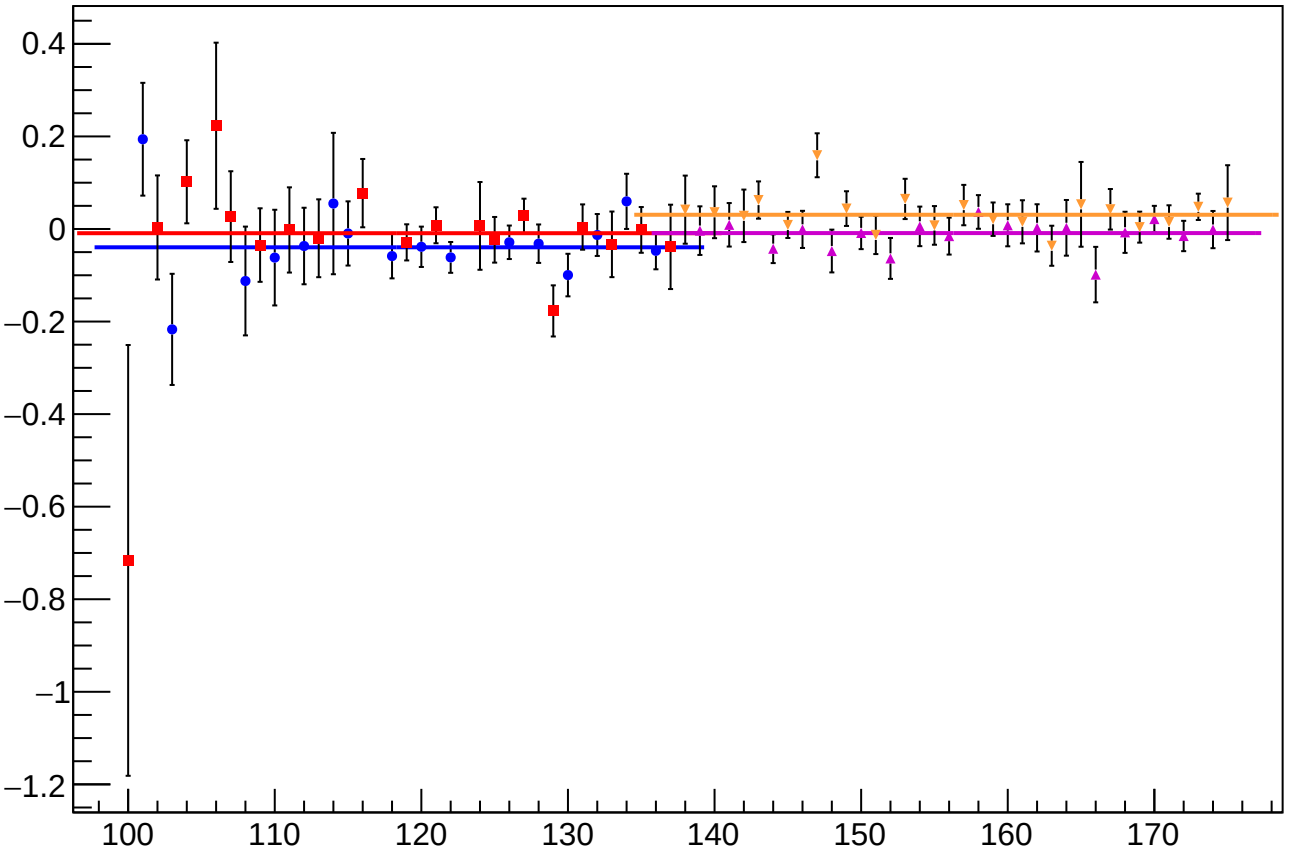
Left: 0.000+/-0.000 χ^2/NDF: 2203693.4/37

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3652406.2/33

Out: 0.000+/-0.000 χ^2/NDF:4850930.3/38

All: 0.000+/-0.000 χ^2/NDF: 8506830.0/72



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

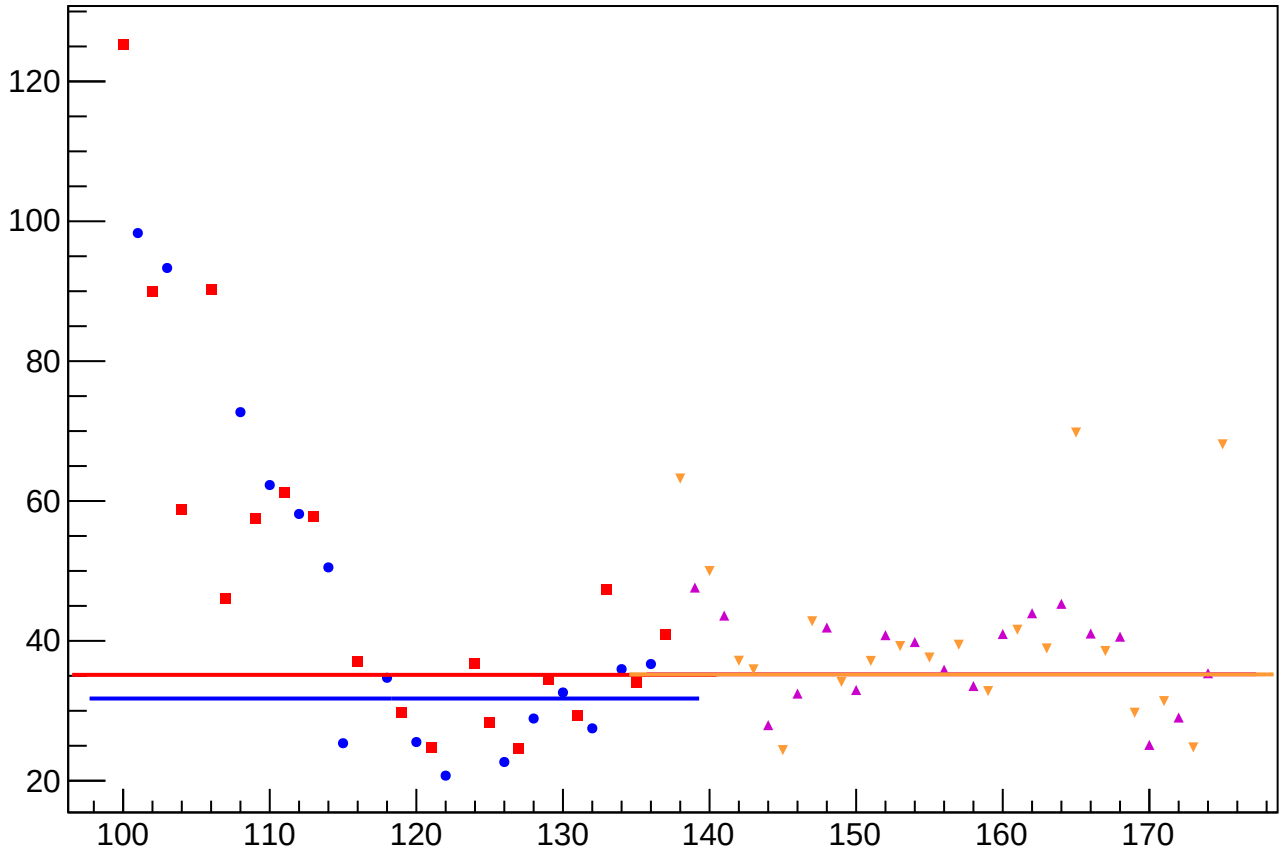
Left: 0.011+/-0.007 χ^2/NDF: 32.8/37

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 75.9/72



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862726.6/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

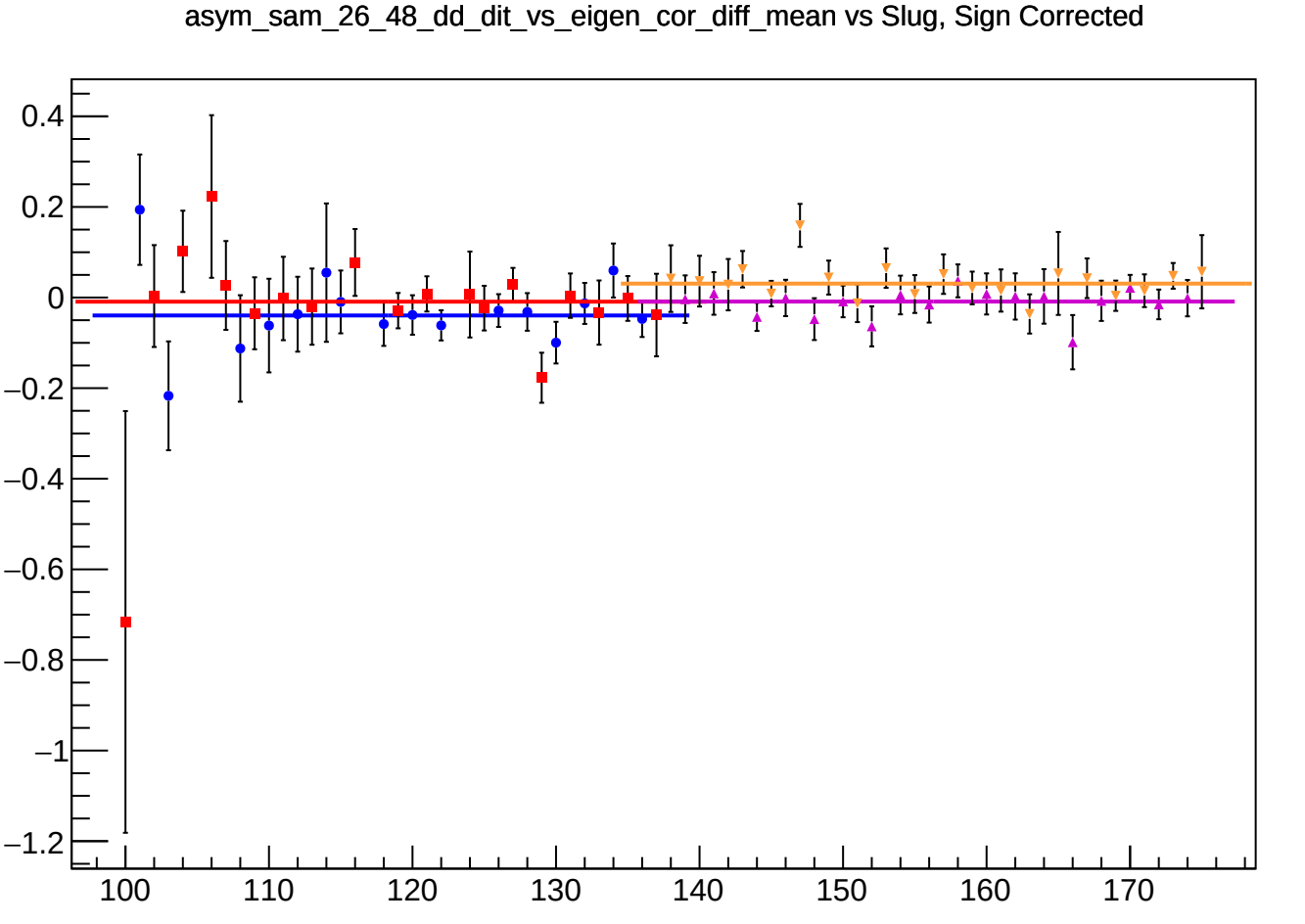
Left: 35.218+/-0.005 χ^2/NDF: 2783803.3/37

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.029+/-0.005 χ^2/NDF:3264744.6/33

Out: 35.184+/-0.006 χ^2/NDF:3707431.6/38

All: 34.604+/-0.004 χ^2/NDF: 6994304.3/72



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

Left: 0.011+/-0.007 χ^2/NDF: 32.8/37

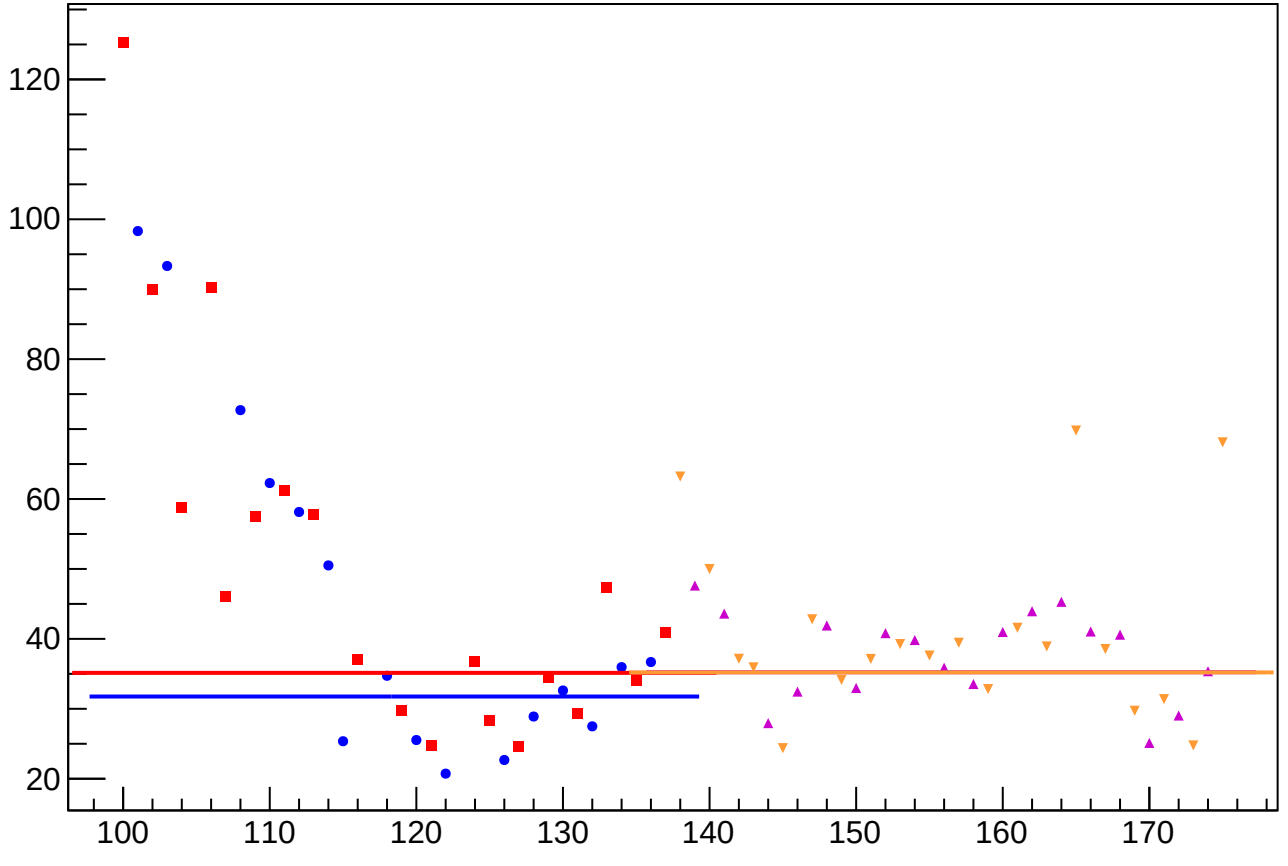
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 75.9/72

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862726.6/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

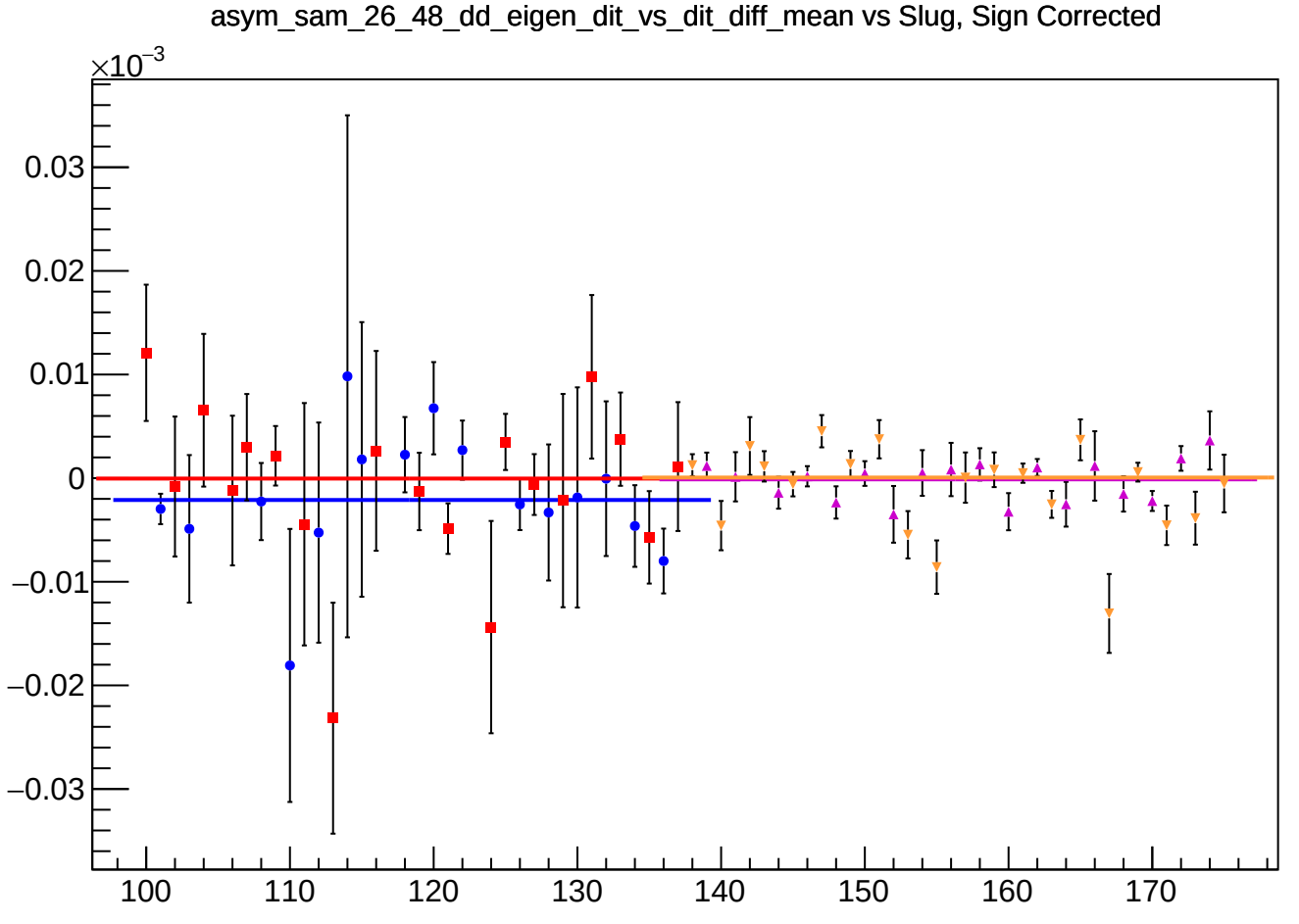
Left: 35.218+/-0.005 χ^2/NDF: 2783803.3/37

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.029+/-0.005 χ^2/NDF:3264744.6/33

Out: 35.184+/-0.006 χ^2/NDF:3707431.6/38

All: 34.604+/-0.004 χ^2/NDF: 6994304.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:23.1/17

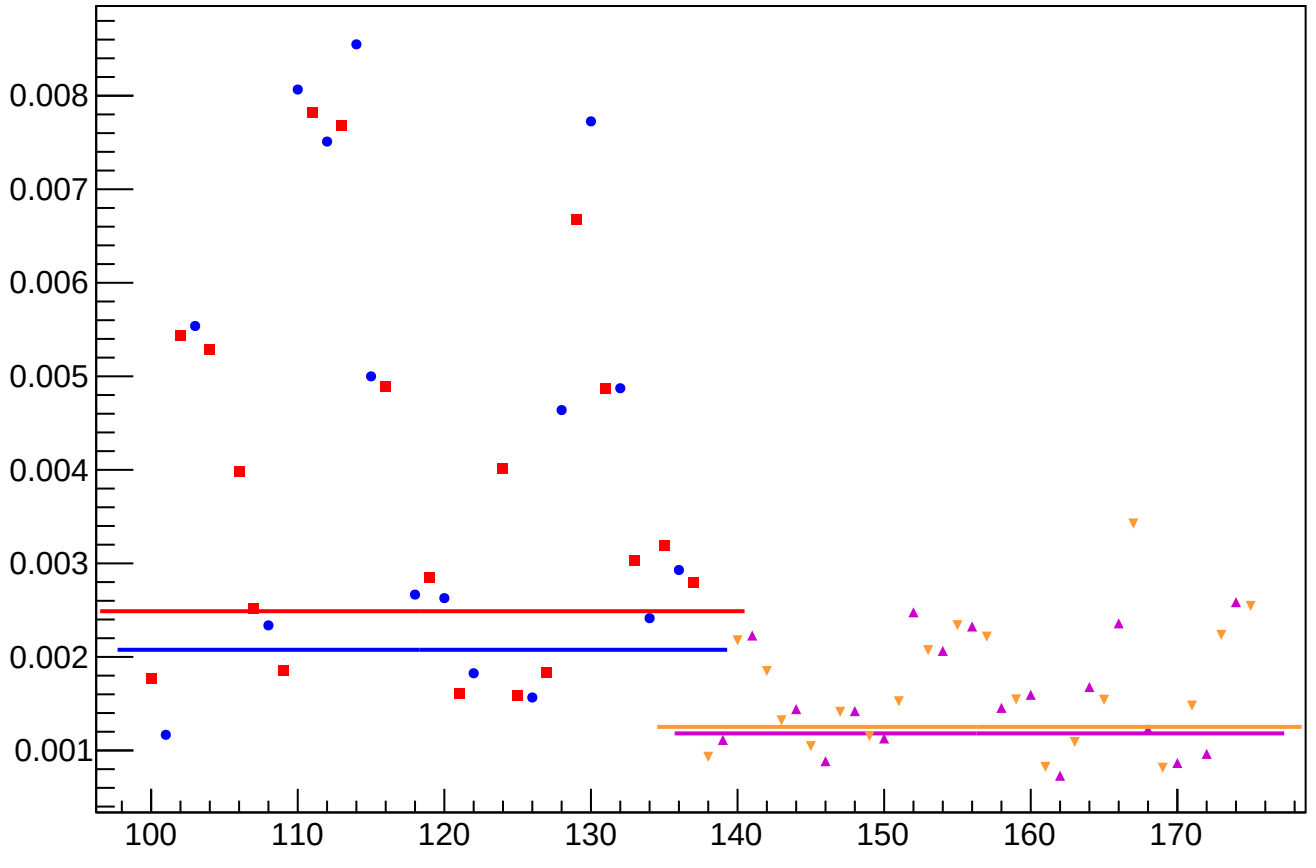
Left: -0.000+/-0.000 χ^2/NDF: 89.0/37

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:42.0/33

Out: 0.000+/-0.000 χ^2/NDF:87.2/38

All: -0.000+/-0.000 χ^2/NDF: 130.0/72



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4081541.5/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3767370.5/17

Left: 0.001+/-0.000 χ^2/NDF: 7890112.5/37

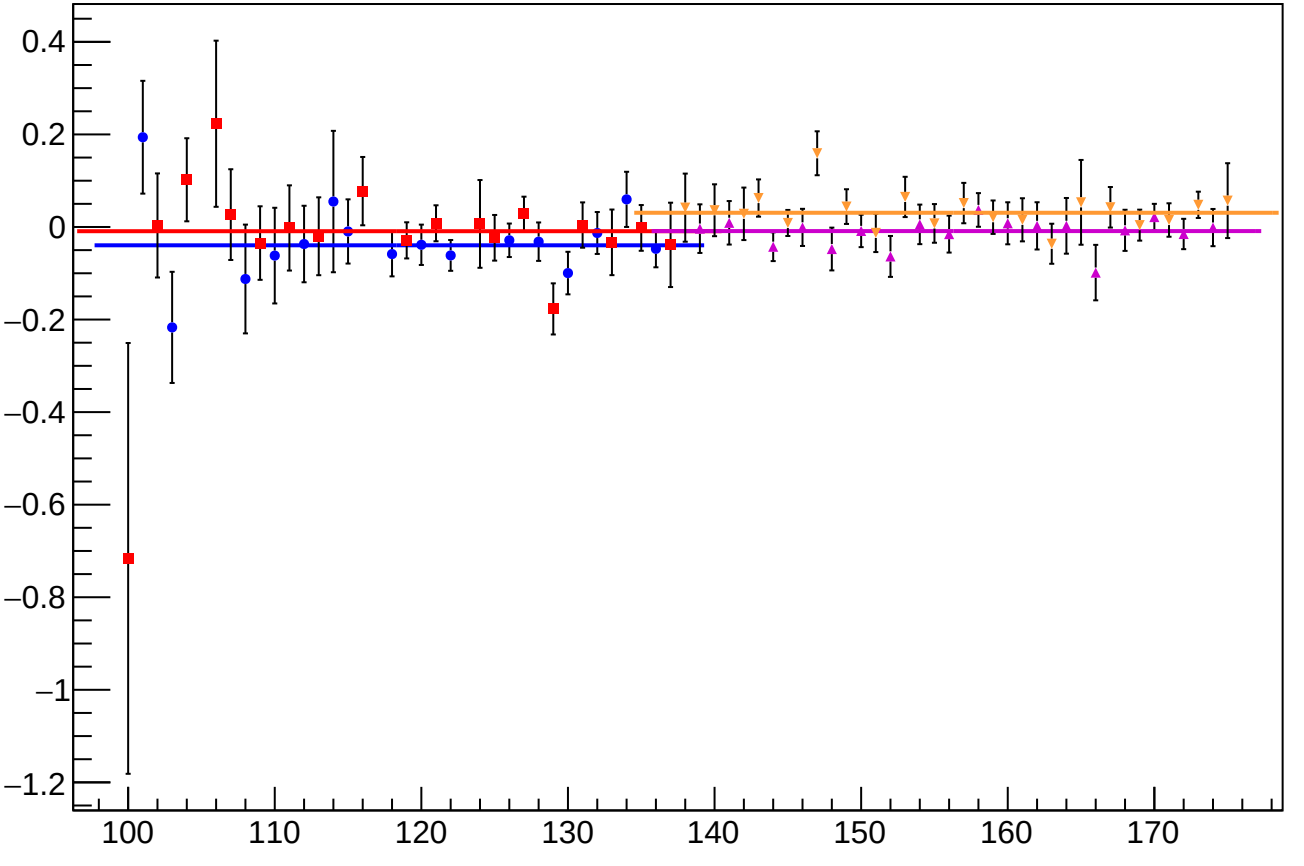
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:9379569.6/33

Out: 0.001+/-0.000 χ^2/NDF:9713994.6/38

All: 0.001+/-0.000 χ^2/NDF: 19157328.0/72

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

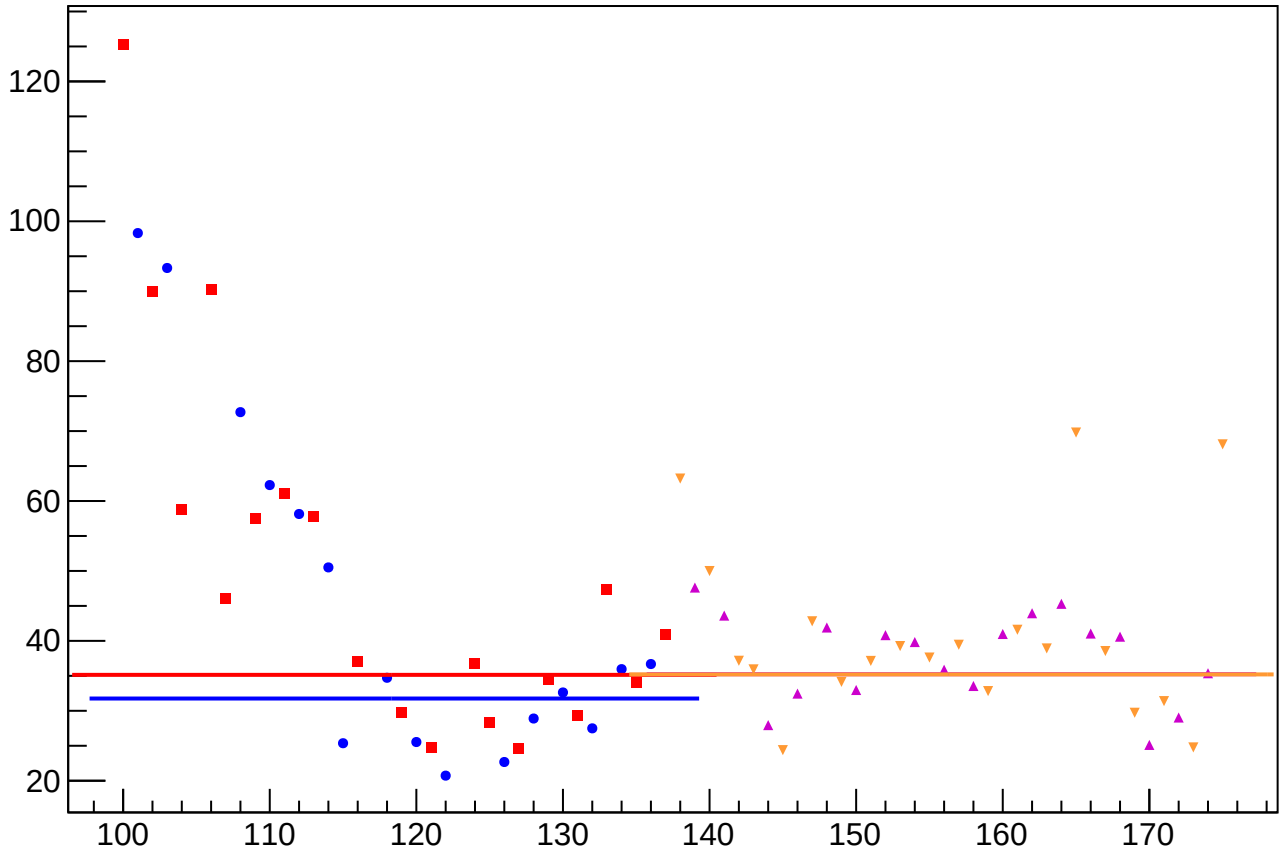
Left: 0.011+/-0.007 χ^2/NDF: 32.8/37

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 75.9/72



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

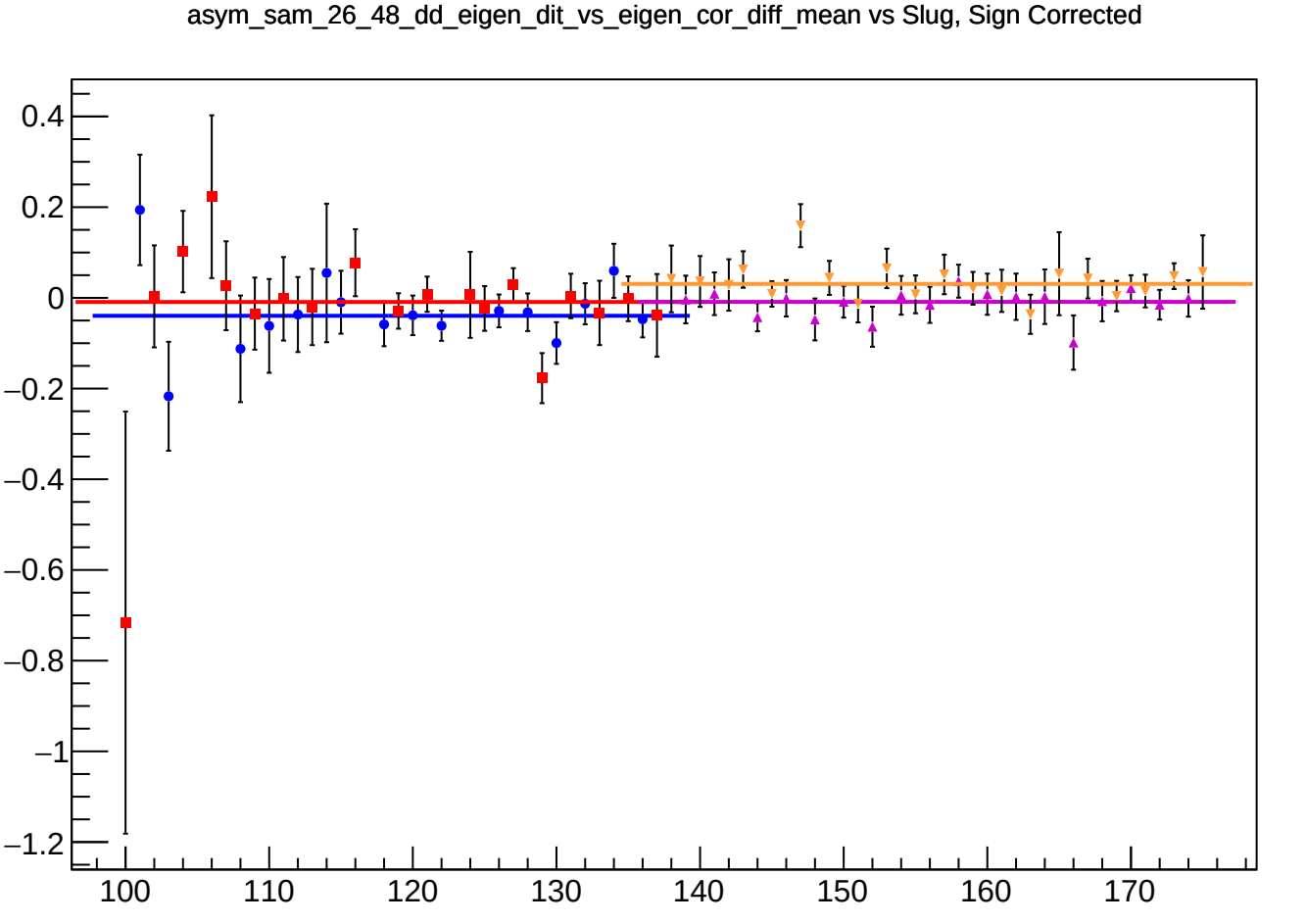
Left: 35.218+/-0.005 χ^2/NDF: 2783858.8/37

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.029+/-0.005 χ^2/NDF:3264712.7/33

Out: 35.184+/-0.006 χ^2/NDF:3707366.8/38

All: 34.604+/-0.004 χ^2/NDF: 6994208.2/72



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

Left: 0.011+/-0.007 χ^2/NDF: 32.8/37

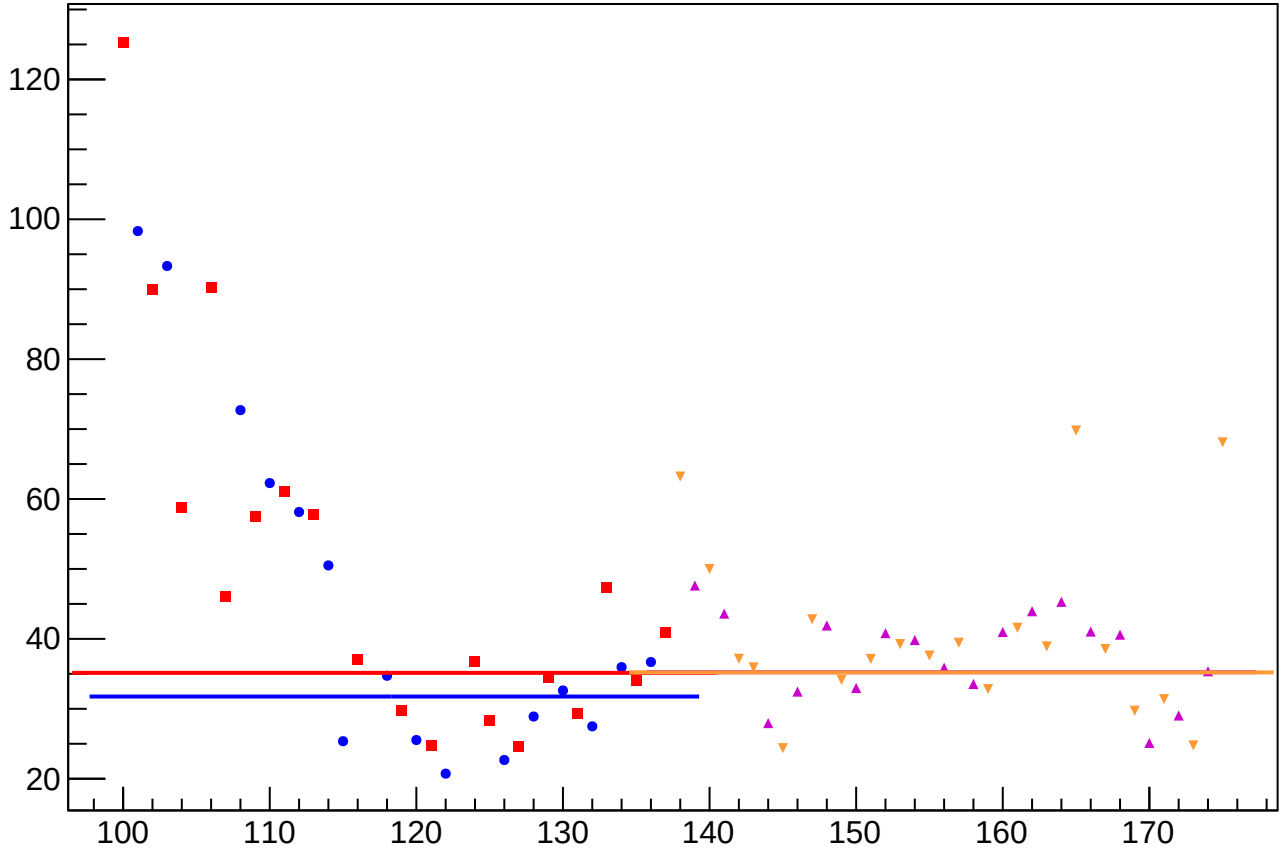
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 75.9/72

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

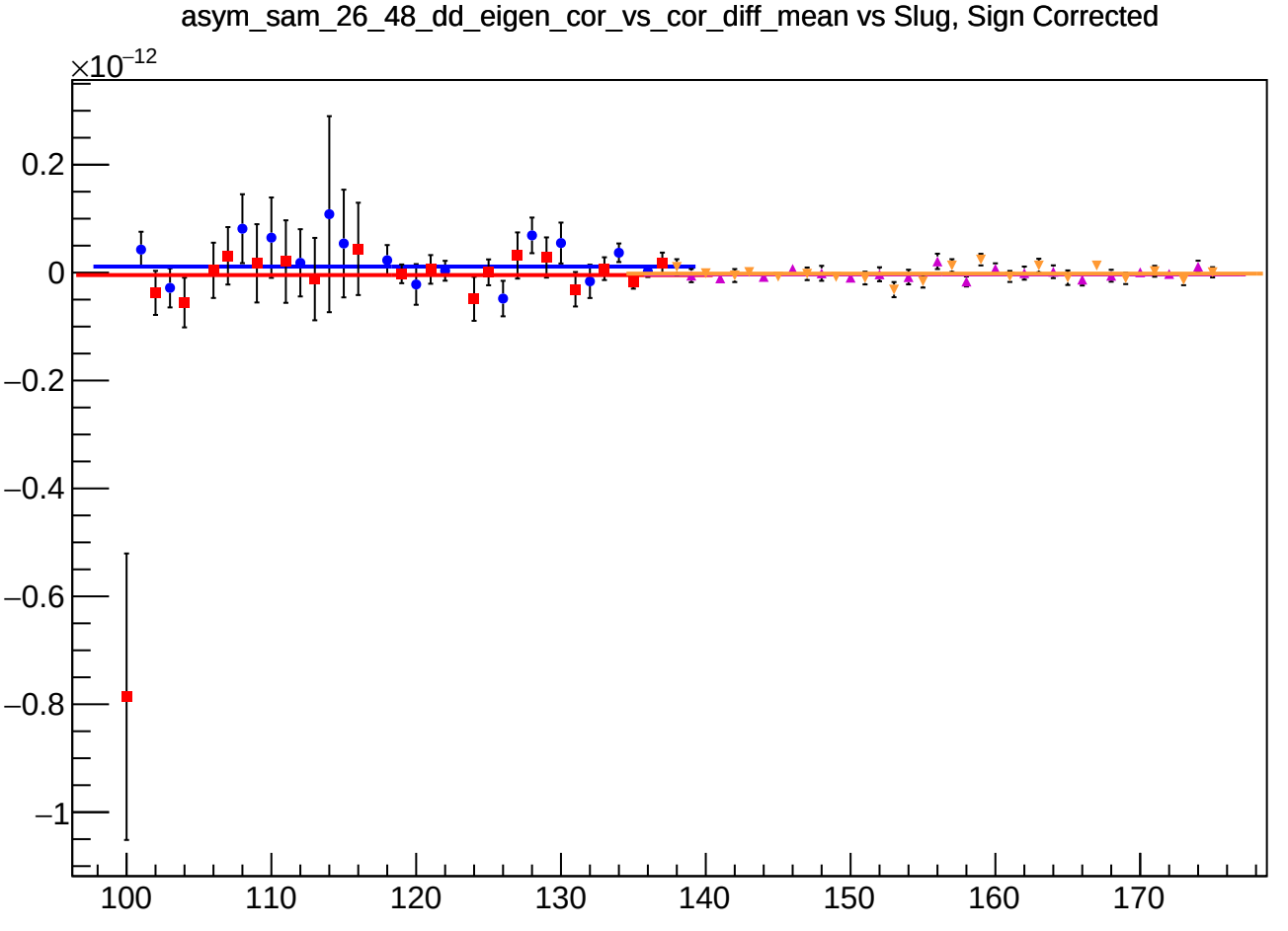
Left: 35.218+/-0.005 χ^2/NDF: 2783858.8/37

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.029+/-0.005 χ^2/NDF:3264712.7/33

Out: 35.184+/-0.006 χ^2/NDF:3707366.8/38

All: 34.604+/-0.004 χ^2/NDF: 6994208.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/17

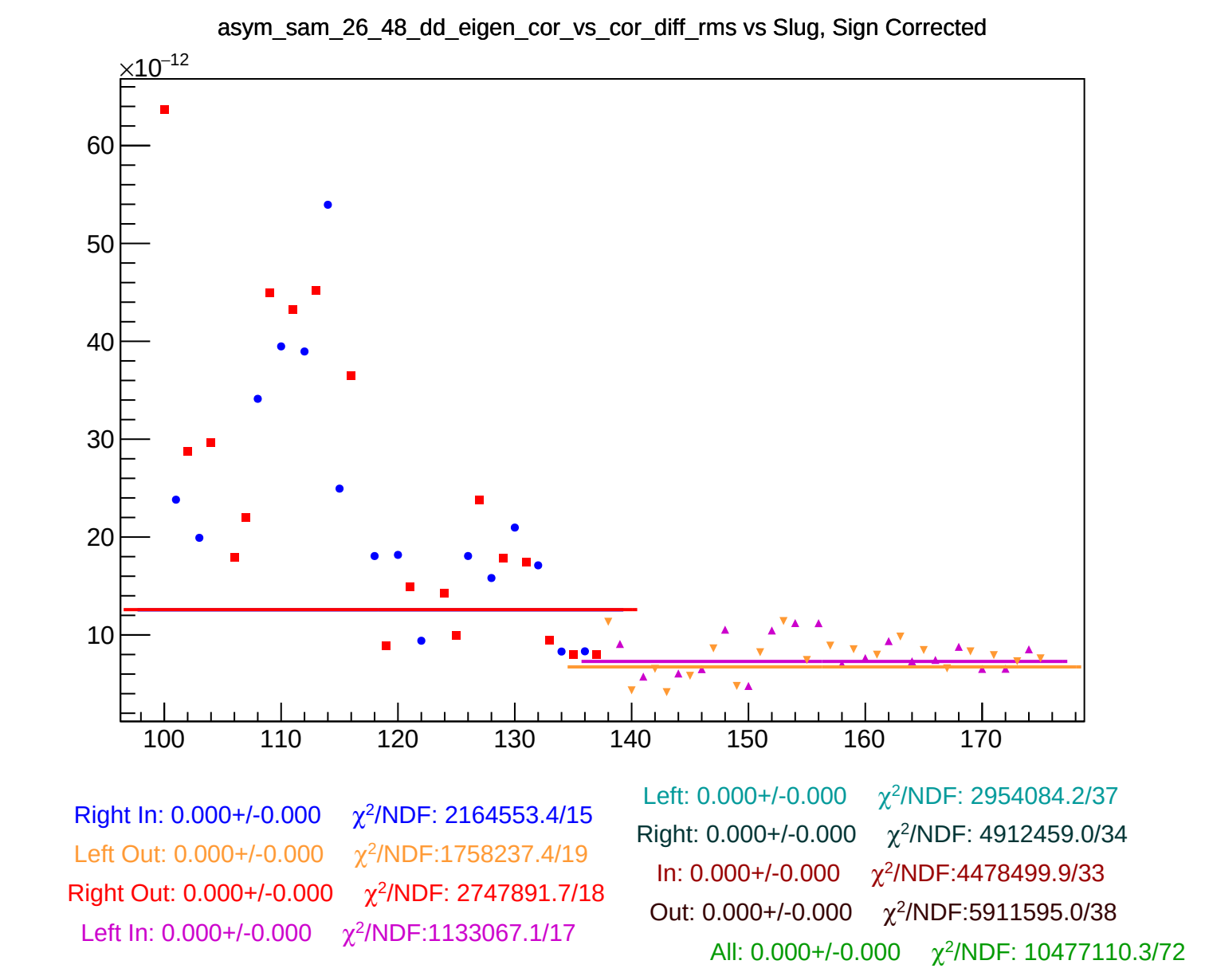
Left: -0.000+/-0.000 χ^2/NDF: 35.9/37

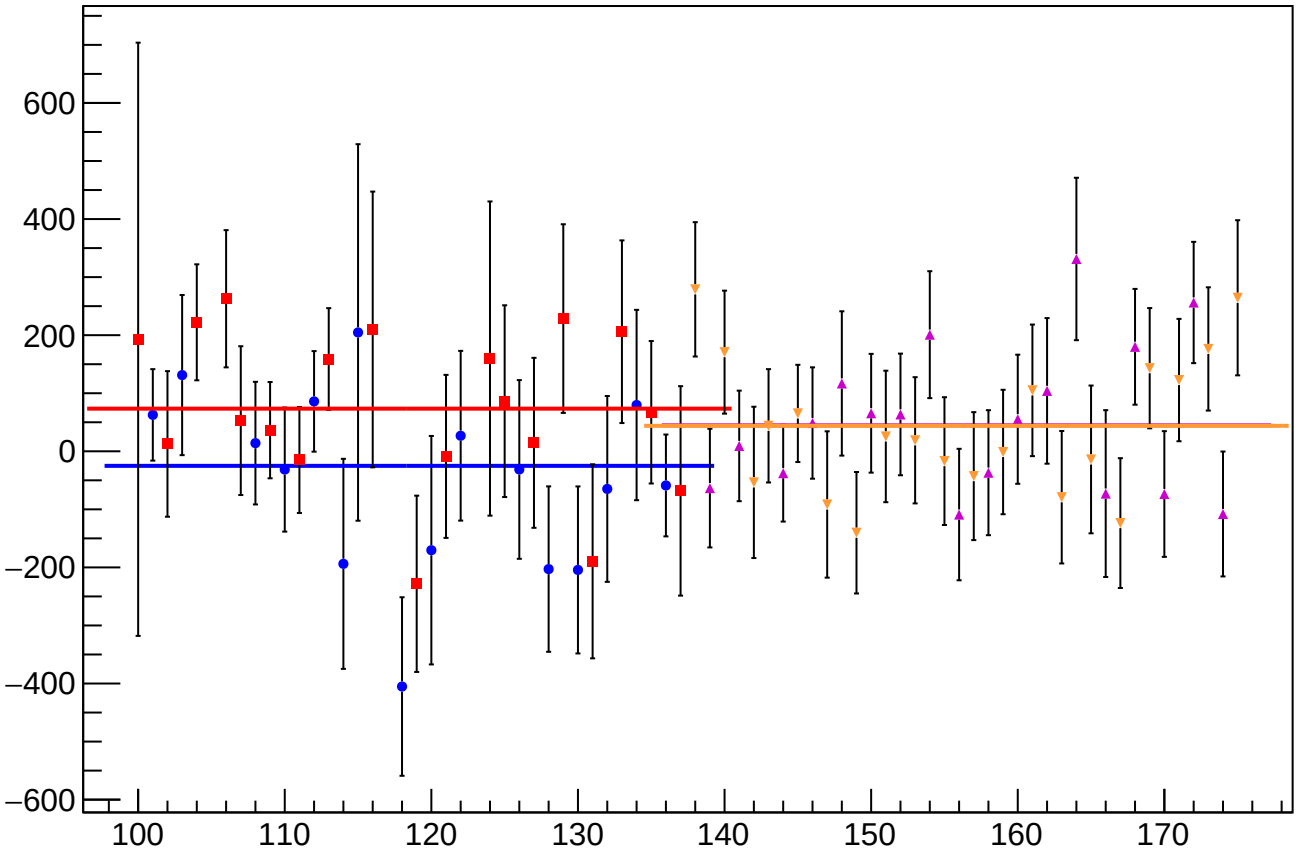
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.9/33

Out: -0.000+/-0.000 χ^2/NDF:40.9/38

All: -0.000+/-0.000 χ^2/NDF: 74.8/72


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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:1758237.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1133067.1/17
Left: 0.000+/-0.000 χ²/NDF: 2954084.2/37
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4478499.9/33
Out: 0.000+/-0.000 χ²/NDF:5911595.0/38
All: 0.000+/-0.000 χ²/NDF: 10477110.3/72



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.867+/-24.517 χ^2/NDF:21.3/19

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 44.726+/-25.270 χ^2/NDF:21.4/17

Left: 44.283+/-17.596 χ^2/NDF: 42.6/37

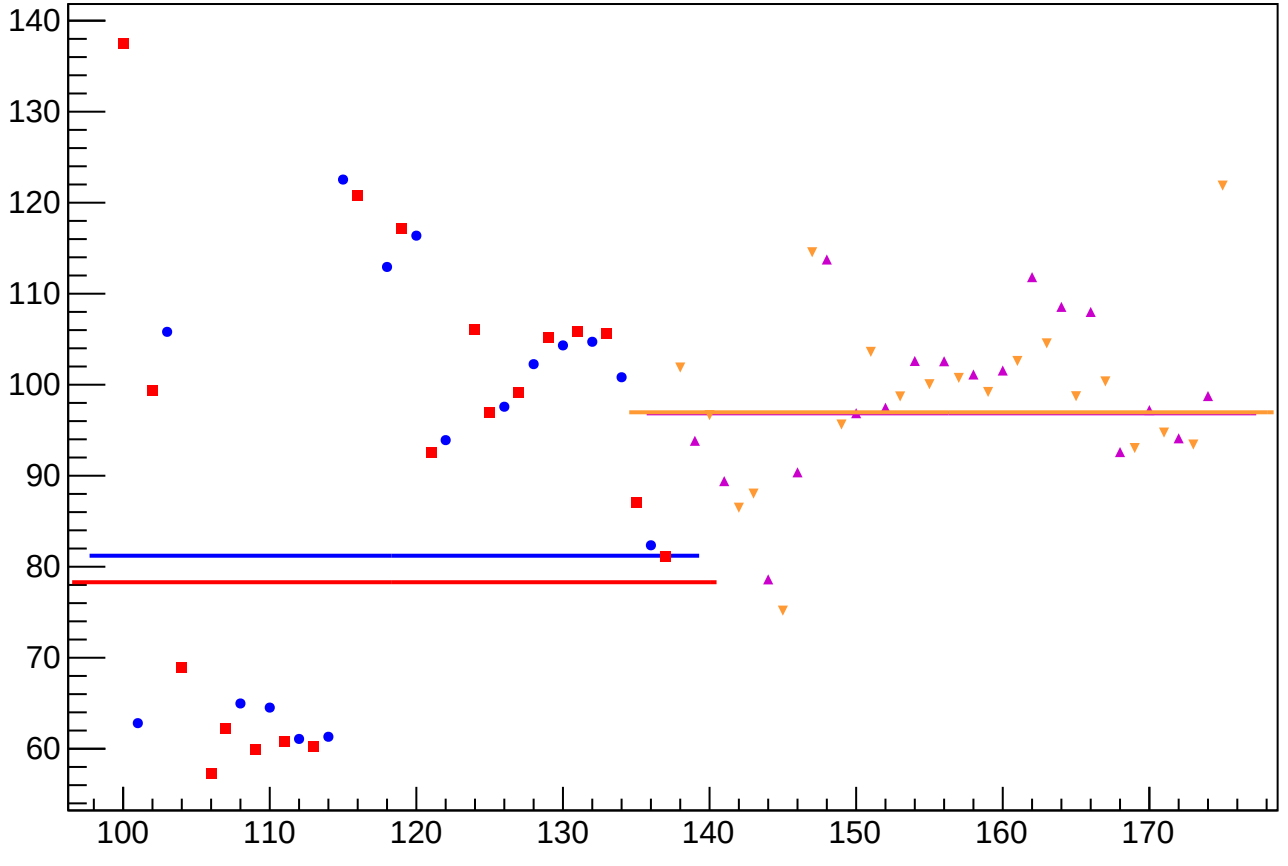
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 17.108+/-19.645 χ^2/NDF:40.6/33

Out: 55.747+/-18.967 χ^2/NDF:38.7/38

All: 37.105+/-13.645 χ^2/NDF: 81.2/72

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.7/19

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

Left: 96.913+/-0.012 χ^2/NDF: 545184.1/37

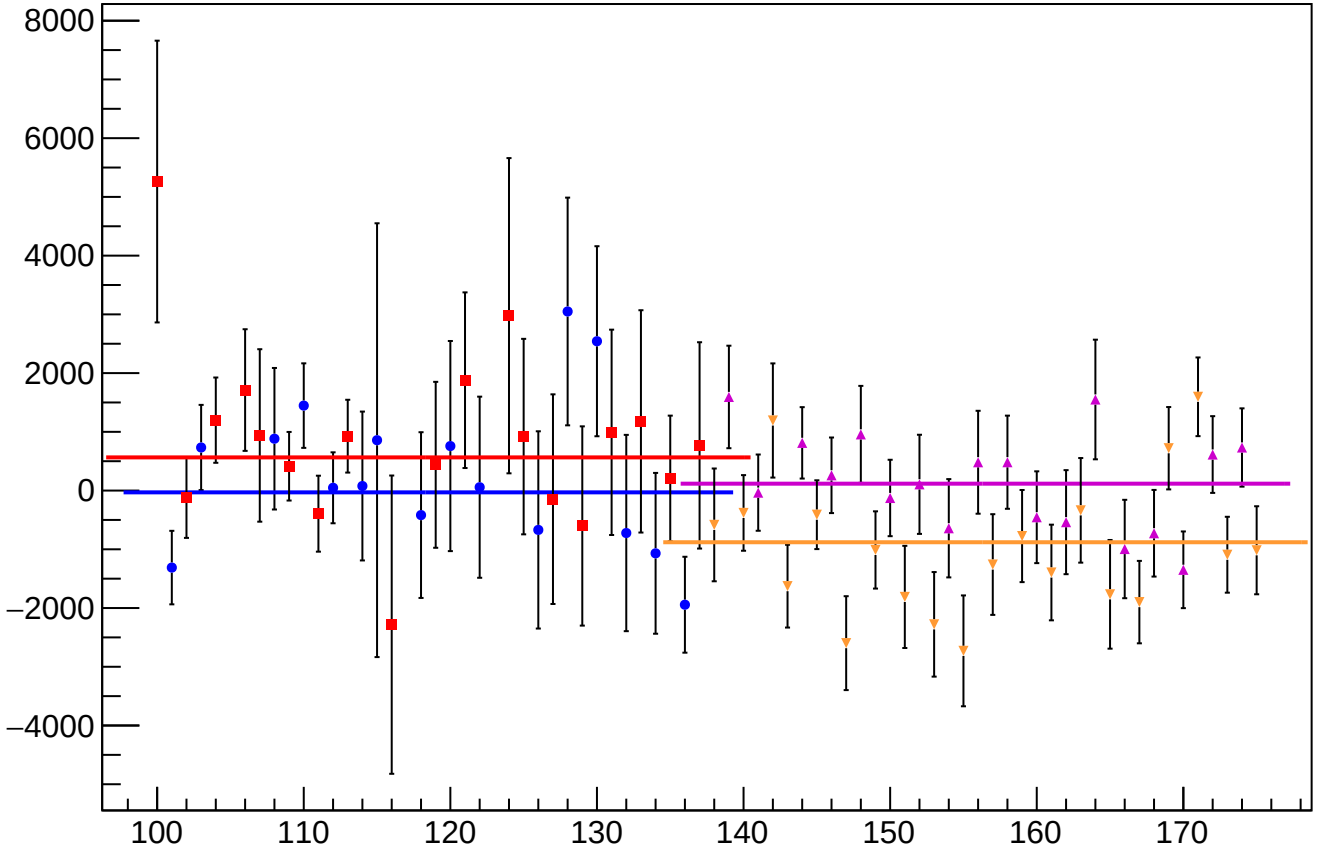
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 90.663+/-0.014 χ^2/NDF:1324342.2/33

Out: 89.473+/-0.013 χ^2/NDF:1712151.0/38

All: 90.047+/-0.010 χ^2/NDF: 3040292.5/72

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -879.814+/-170.355 χ^2/NDF:42.2/19

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 117.348+/-175.565 χ^2/NDF:19.3/17

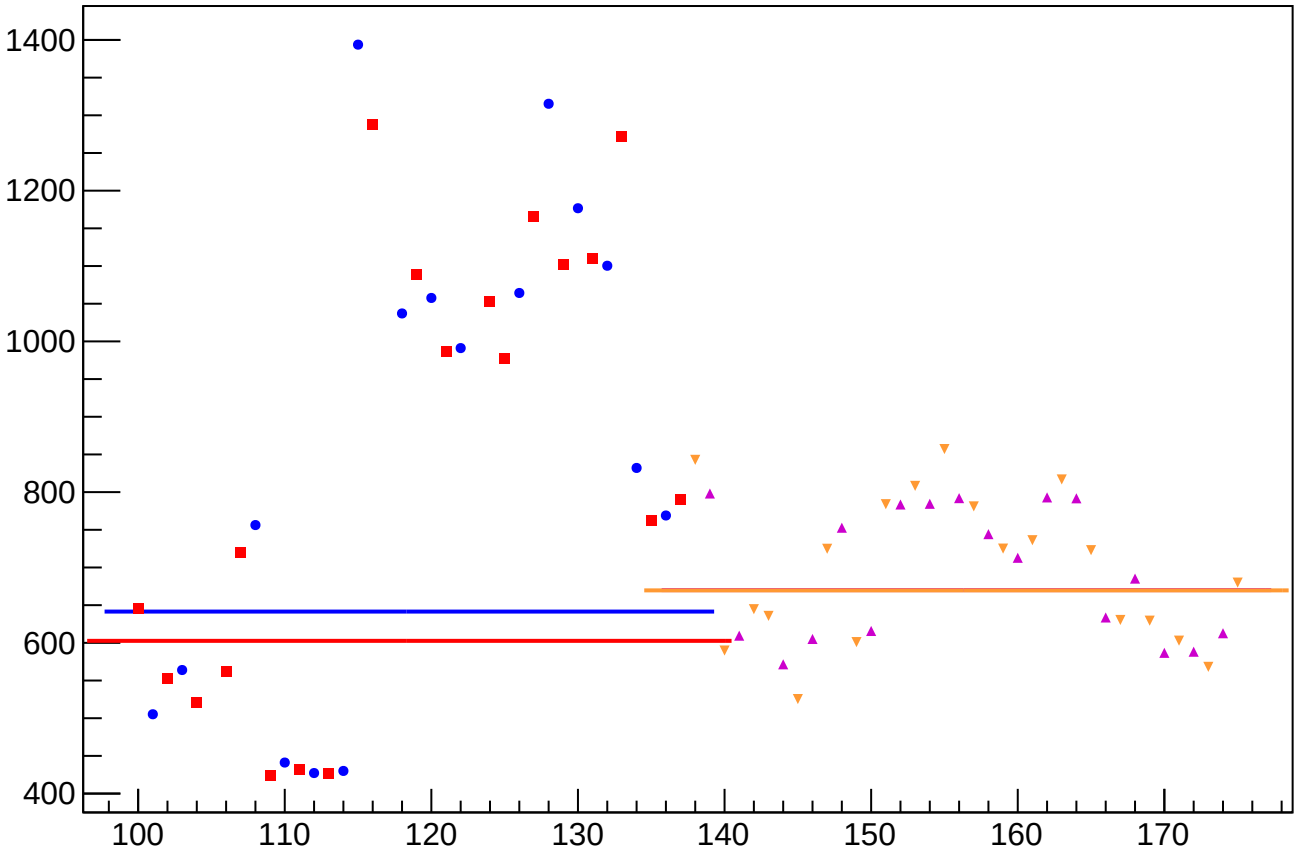
Left: -396.246+/-122.260 χ^2/NDF: 78.0/37

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 70.335+/-144.968 χ^2/NDF:41.4/33

Out: -391.724+/-138.623 χ^2/NDF:79.7/38

All: -171.027+/-100.189 χ^2/NDF: 126.4/72



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 670.007+/-0.124 χ^2/NDF:453724.7/17

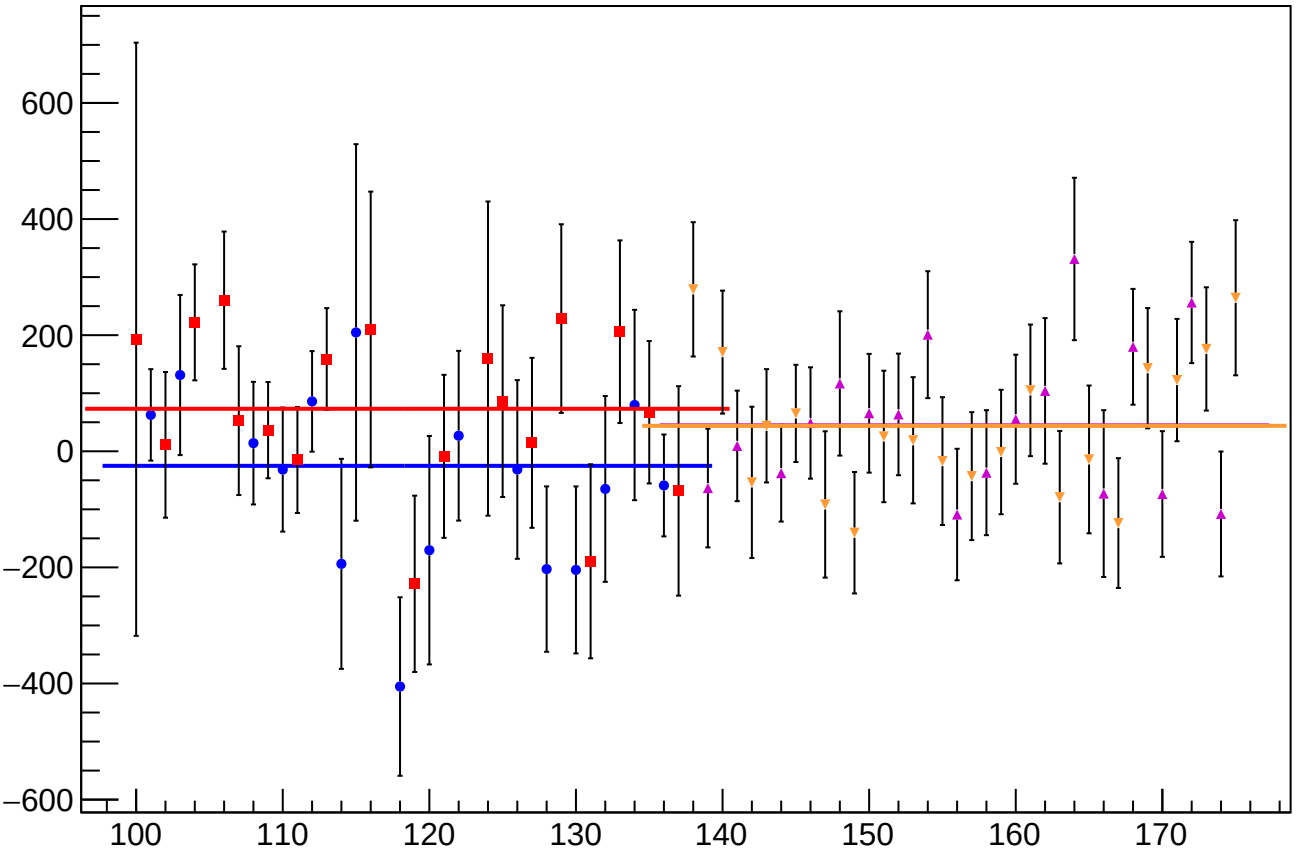
Left: 669.807+/-0.086 χ^2/NDF: 1070918.1/37

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 660.936+/-0.103 χ^2/NDF:2345494.9/33

Out: 646.995+/-0.098 χ^2/NDF:2791906.9/38

All: 653.654+/-0.071 χ^2/NDF: 5147063.0/72



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 44.724+/-25.270 χ^2/NDF:21.4/17

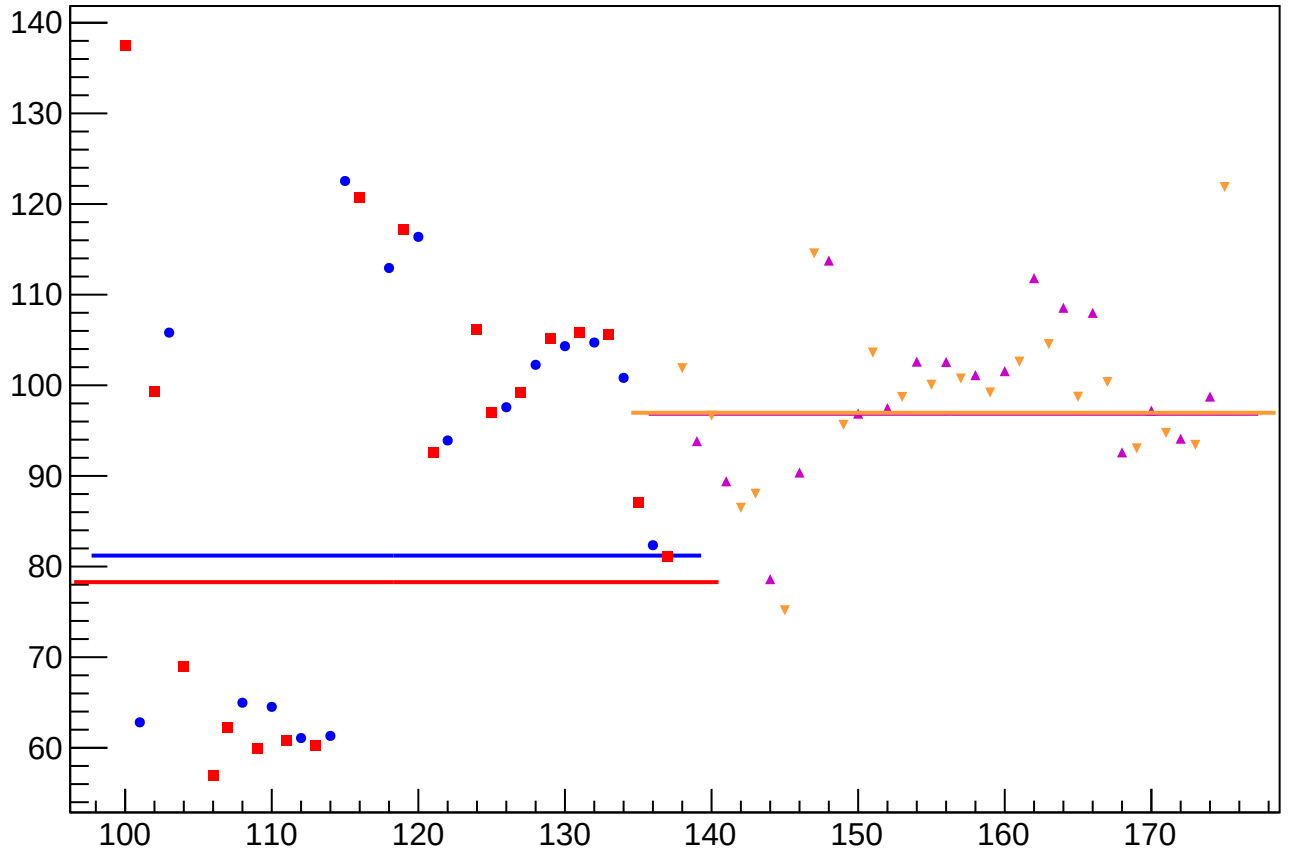
Left: 44.284+/-17.596 χ^2/NDF: 42.6/37

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.106+/-19.645 χ^2/NDF:40.6/33

Out: 55.641+/-18.968 χ^2/NDF:38.6/38

All: 37.049+/-13.645 χ^2/NDF: 81.2/72



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

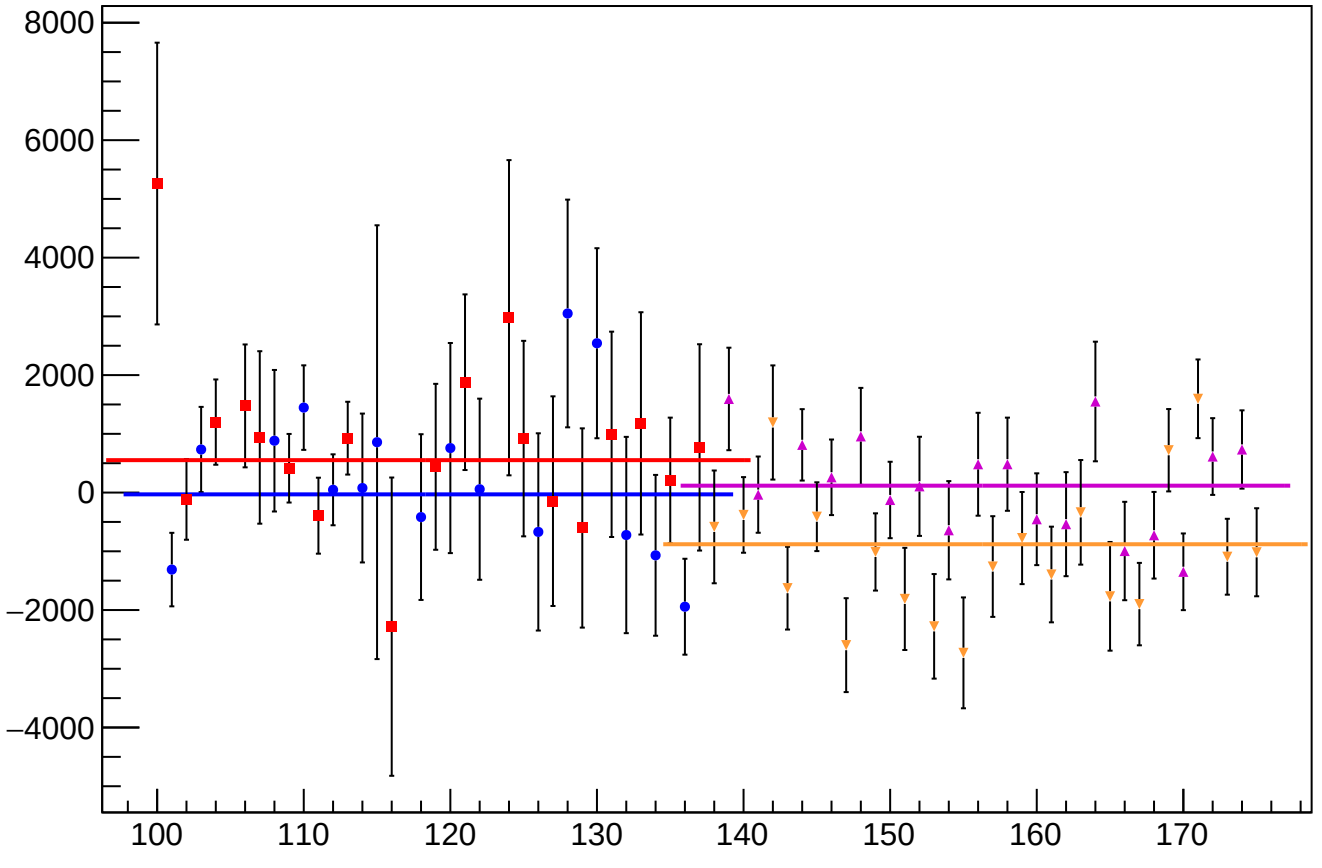
Left: 96.913+/-0.012 χ^2/NDF: 545184.1/37

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.663+/-0.014 χ^2/NDF:1324343.9/33

Out: 89.466+/-0.013 χ^2/NDF:1715185.6/38

All: 90.044+/-0.010 χ^2/NDF: 3043373.1/72



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -879.811+/-170.355 χ^2/NDF:42.2/19

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 117.351+/-175.565 χ^2/NDF:19.3/17

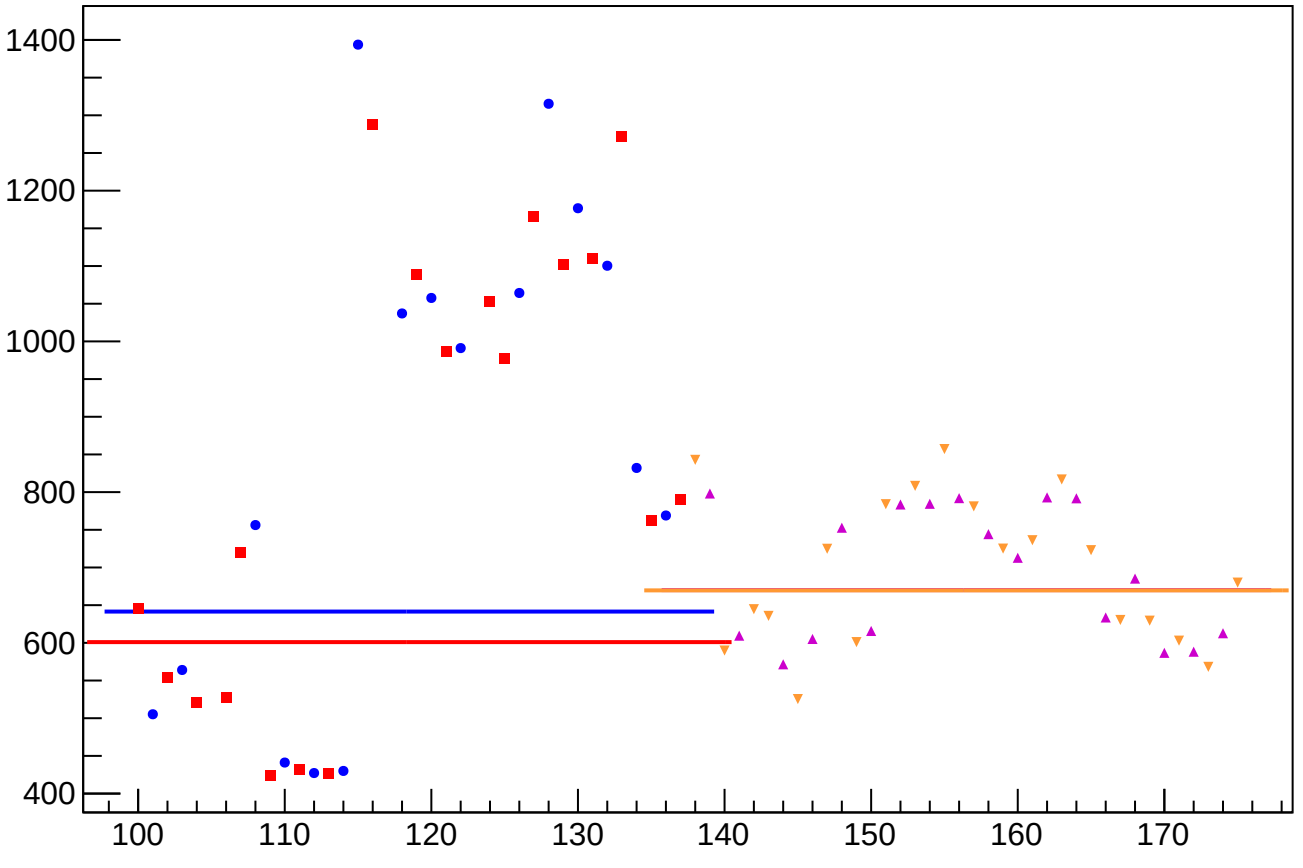
Left: -396.243+/-122.260 χ^2/NDF: 78.0/37

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 70.329+/-144.968 χ^2/NDF:41.4/33

Out: -396.491+/-138.652 χ^2/NDF:78.8/38

All: -173.472+/-100.200 χ^2/NDF: 125.6/72



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

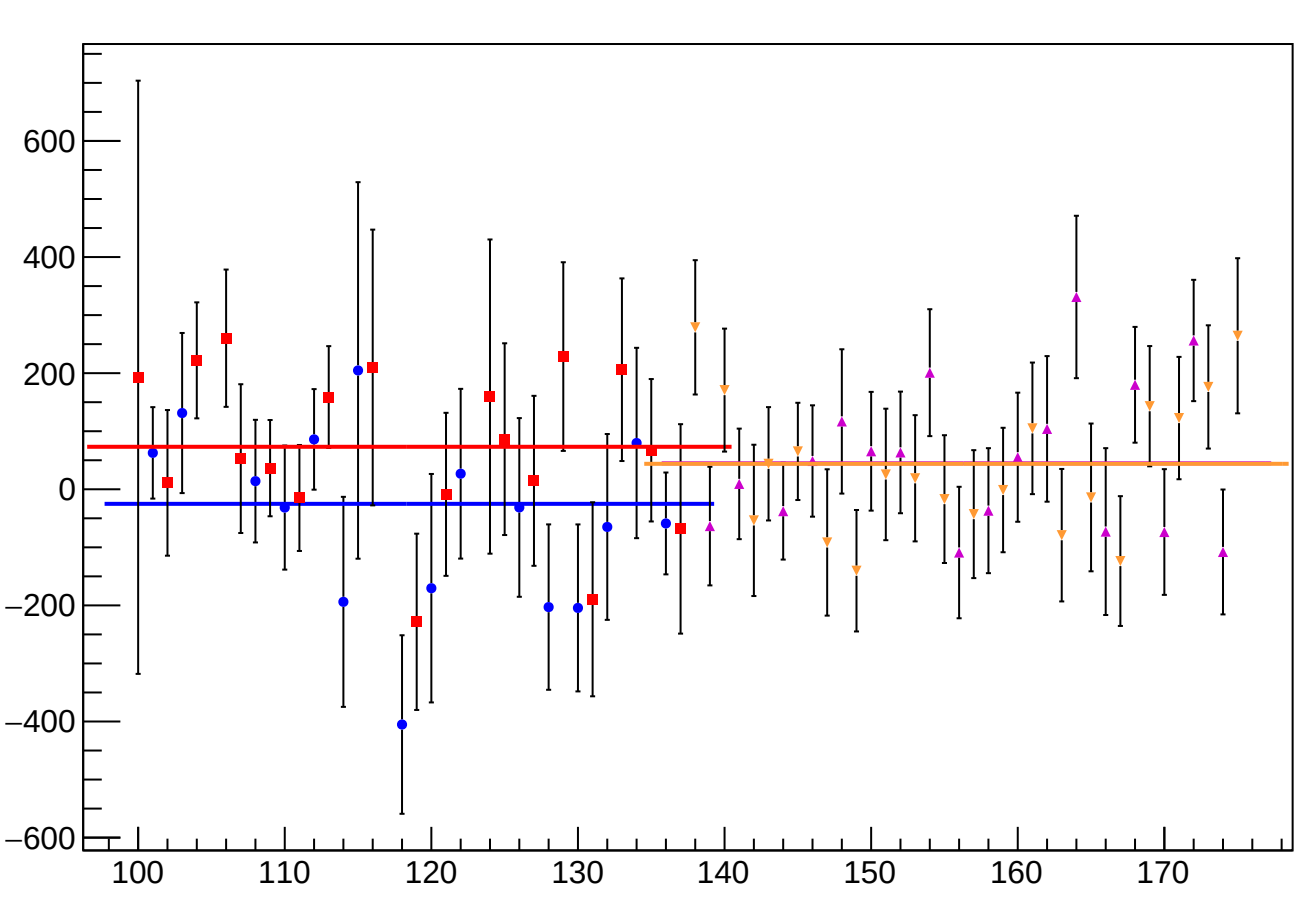
Left: 669.807+/-0.086 χ^2/NDF: 1070918.6/37

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.939+/-0.103 χ^2/NDF:2345443.7/33

Out: 646.447+/-0.098 χ^2/NDF:2804040.5/38

All: 653.370+/-0.071 χ^2/NDF: 5159921.9/72



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 44.724+/-25.270 χ^2/NDF:21.4/17

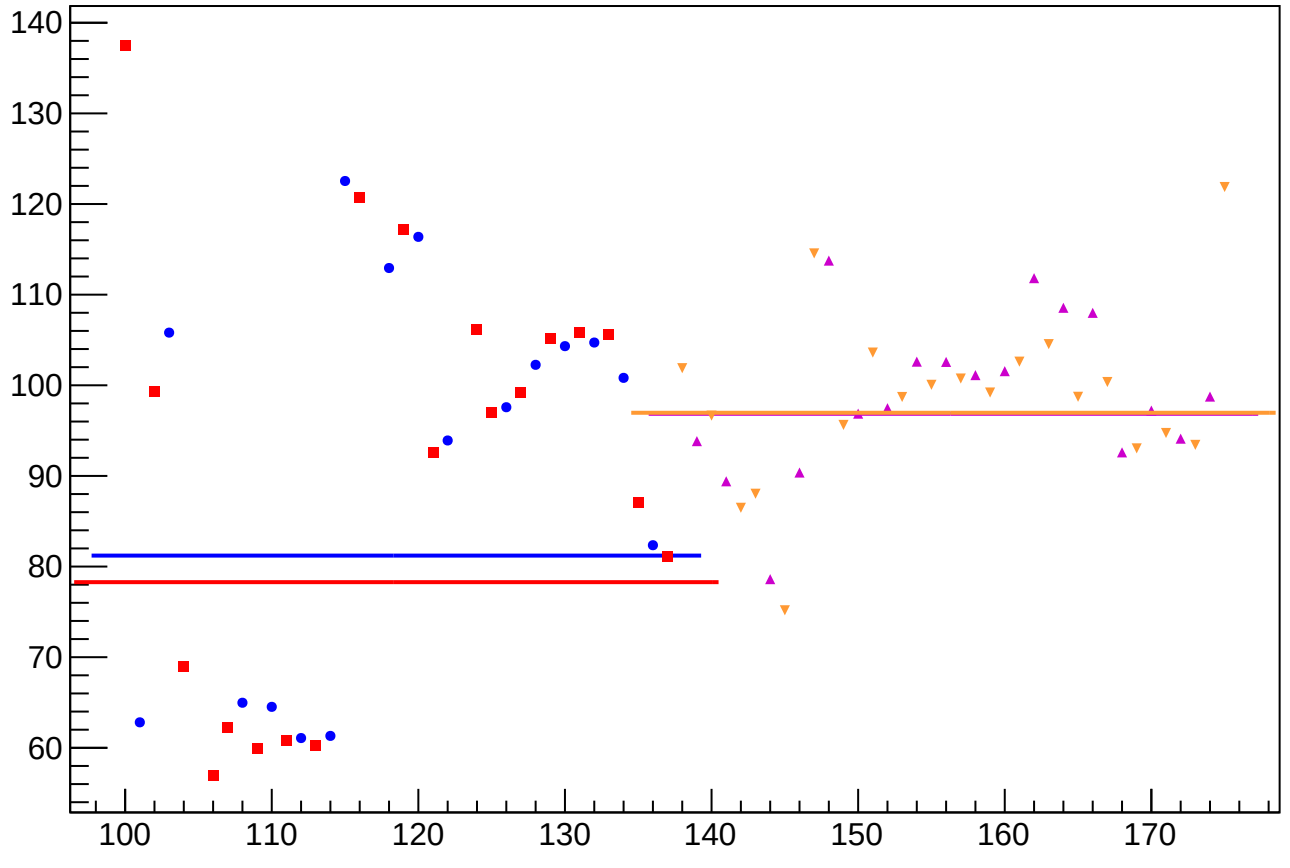
Left: 44.284+/-17.596 χ^2/NDF: 42.6/37

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.106+/-19.645 χ^2/NDF:40.6/33

Out: 55.641+/-18.968 χ^2/NDF:38.6/38

All: 37.049+/-13.645 χ^2/NDF: 81.2/72



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

Left: 96.913+/-0.012 χ^2/NDF: 545184.1/37

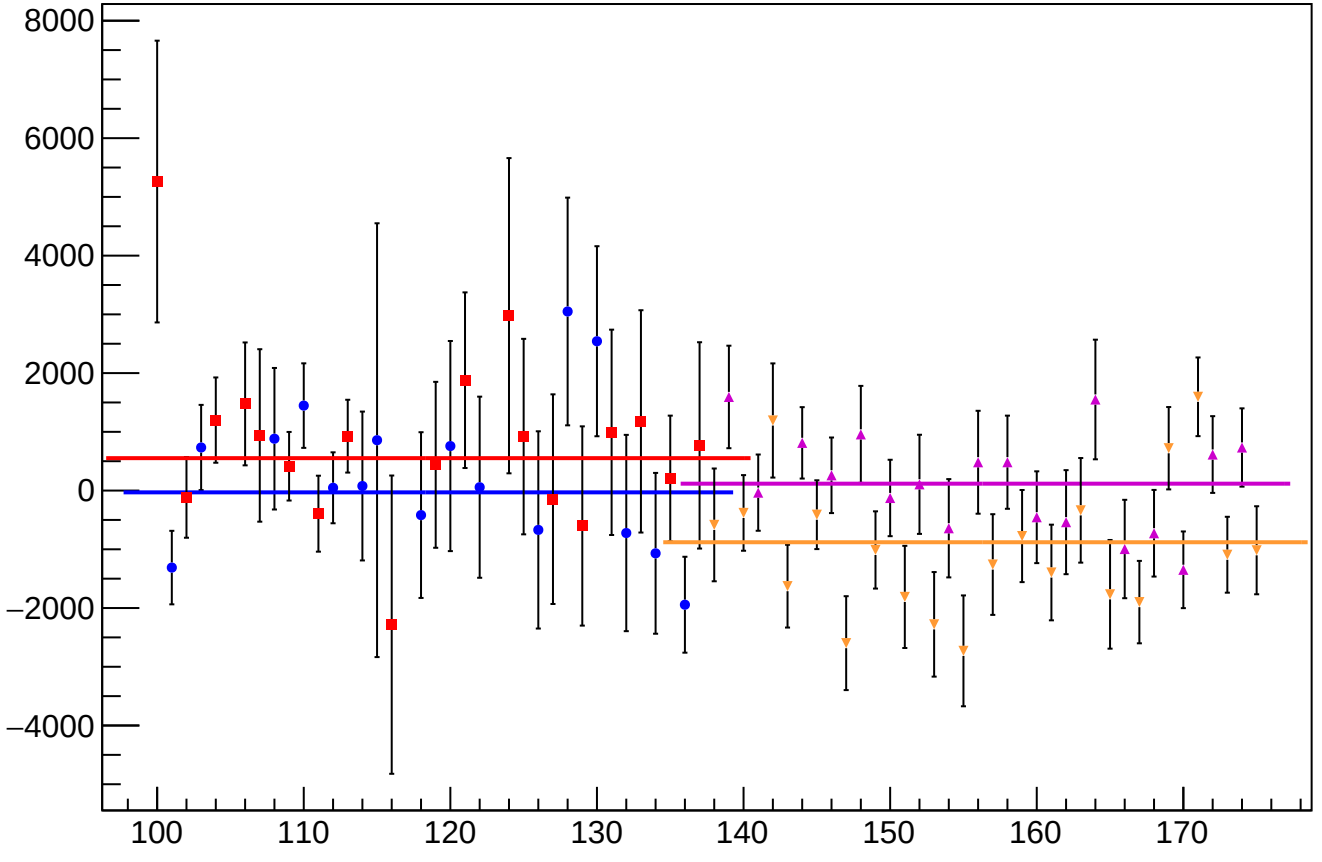
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.663+/-0.014 χ^2/NDF:1324343.9/33

Out: 89.466+/-0.013 χ^2/NDF:1715185.6/38

All: 90.044+/-0.010 χ^2/NDF: 3043373.1/72

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -879.811+/-170.355 χ^2/NDF:42.2/19

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 117.351+/-175.565 χ^2/NDF:19.3/17

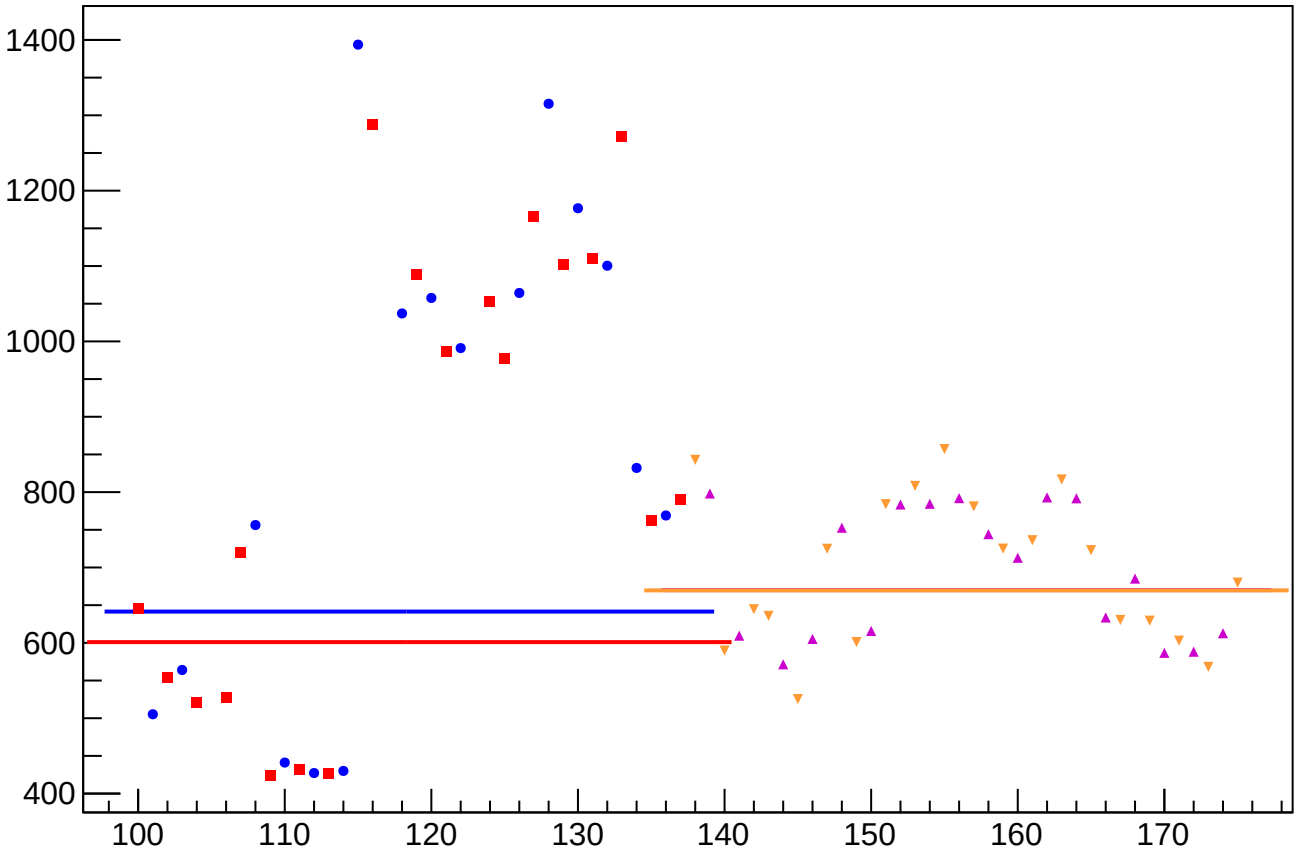
Left: -396.243+/-122.260 χ^2/NDF: 78.0/37

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 70.329+/-144.968 χ^2/NDF:41.4/33

Out: -396.491+/-138.652 χ^2/NDF:78.8/38

All: -173.472+/-100.200 χ^2/NDF: 125.6/72



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

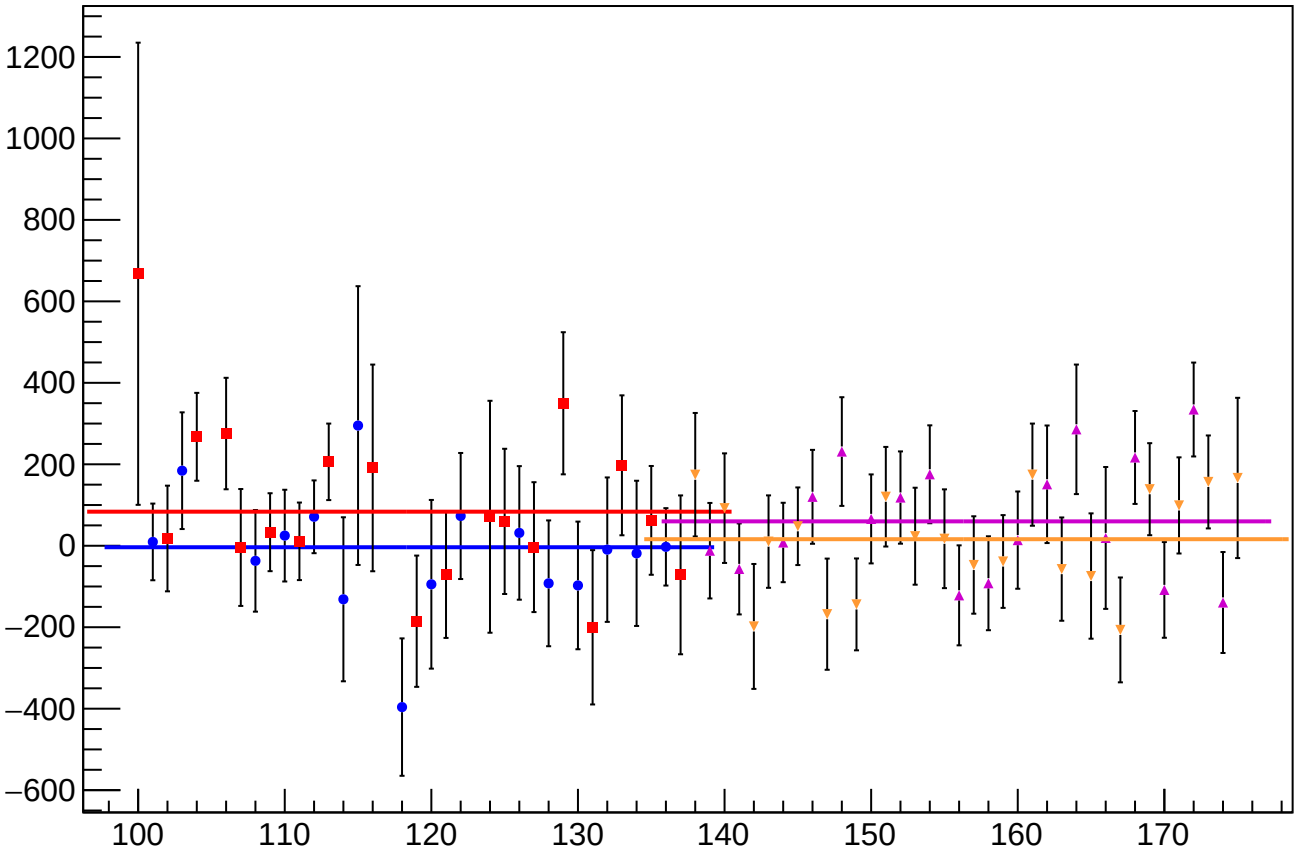
Left: 669.807+/-0.086 χ^2/NDF: 1070918.6/37

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.939+/-0.103 χ^2/NDF:2345443.7/33

Out: 646.447+/-0.098 χ^2/NDF:2804040.5/38

All: 653.370+/-0.071 χ^2/NDF: 5159921.9/72



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.102+/-27.787 χ^2/NDF:17.6/19

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 59.877+/-28.369 χ^2/NDF:23.6/17

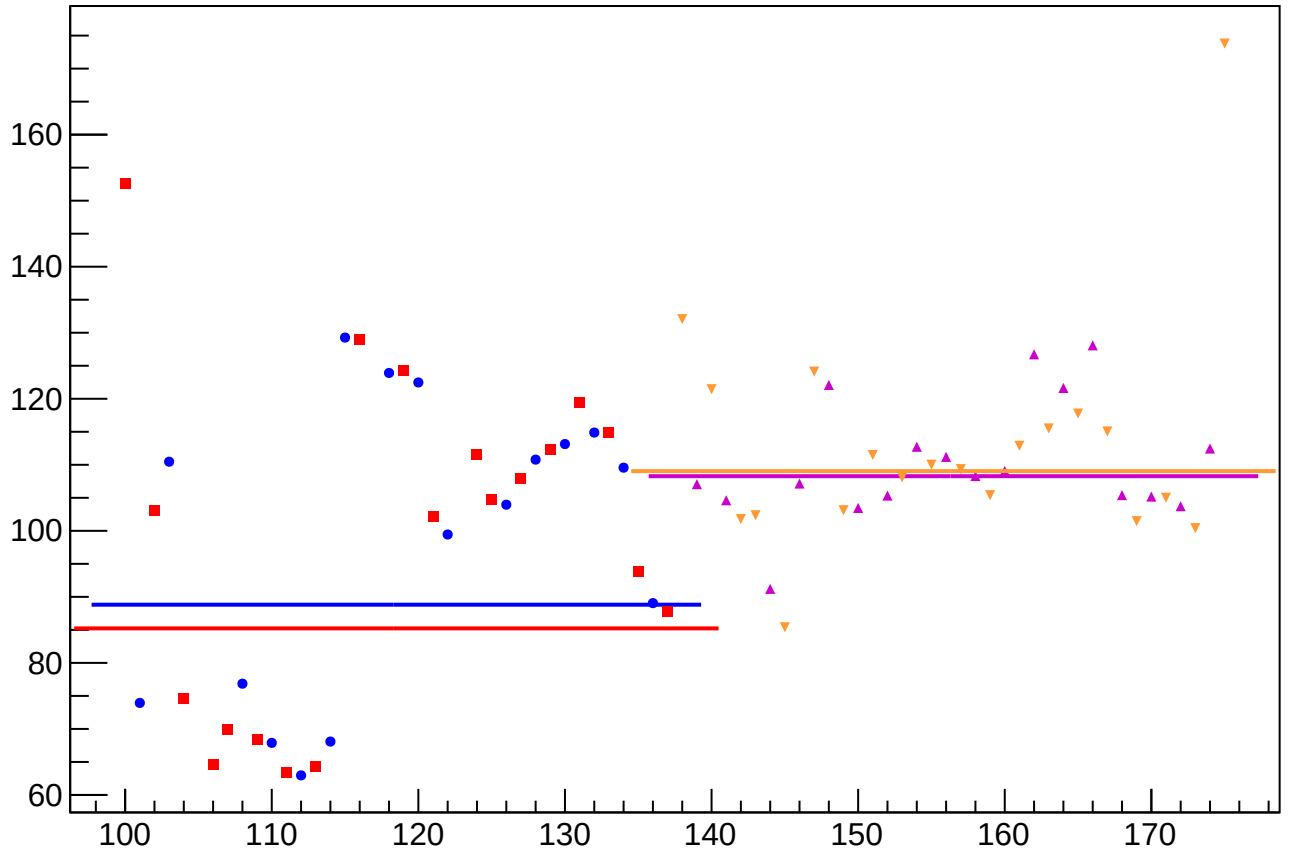
Left: 37.536+/-19.851 χ^2/NDF: 42.4/37

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 33.947+/-21.822 χ^2/NDF:36.0/33

Out: 44.505+/-21.156 χ^2/NDF:39.1/38

All: 39.389+/-15.190 χ^2/NDF: 75.3/72



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.045+/-0.020 χ^2/NDF:488004.6/19

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.276+/-0.020 χ^2/NDF:175235.1/17

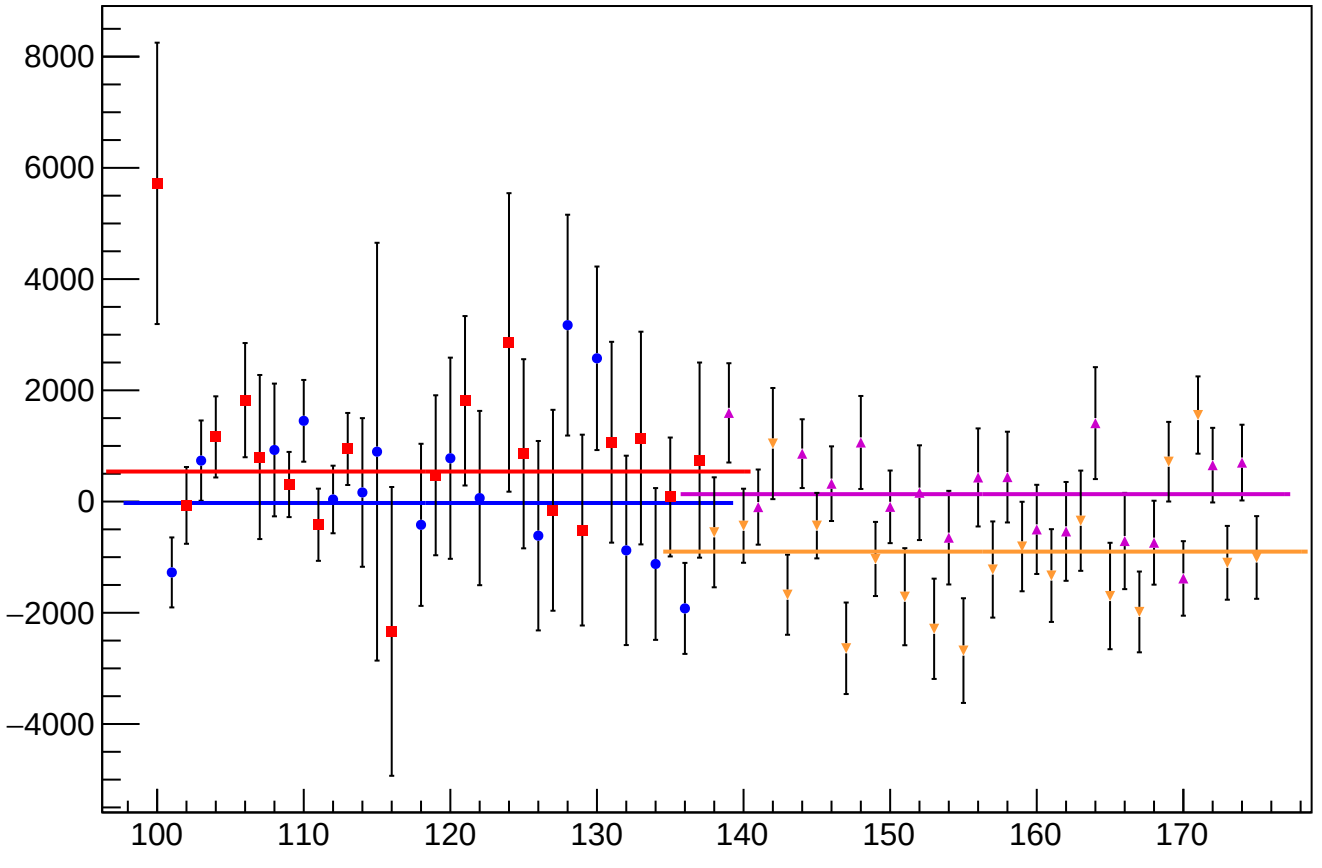
Left: 108.668+/-0.014 χ^2/NDF: 663990.4/37

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 100.329+/-0.015 χ^2/NDF:1284160.0/33

Out: 99.033+/-0.015 χ^2/NDF:1989827.4/38

All: 99.661+/-0.011 χ^2/NDF: 3277626.6/72



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.243+/-173.737 χ^2/NDF:38.9/19

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 132.853+/-179.198 χ^2/NDF:18.2/17

Left: -399.679+/-124.737 χ^2/NDF: 74.3/37

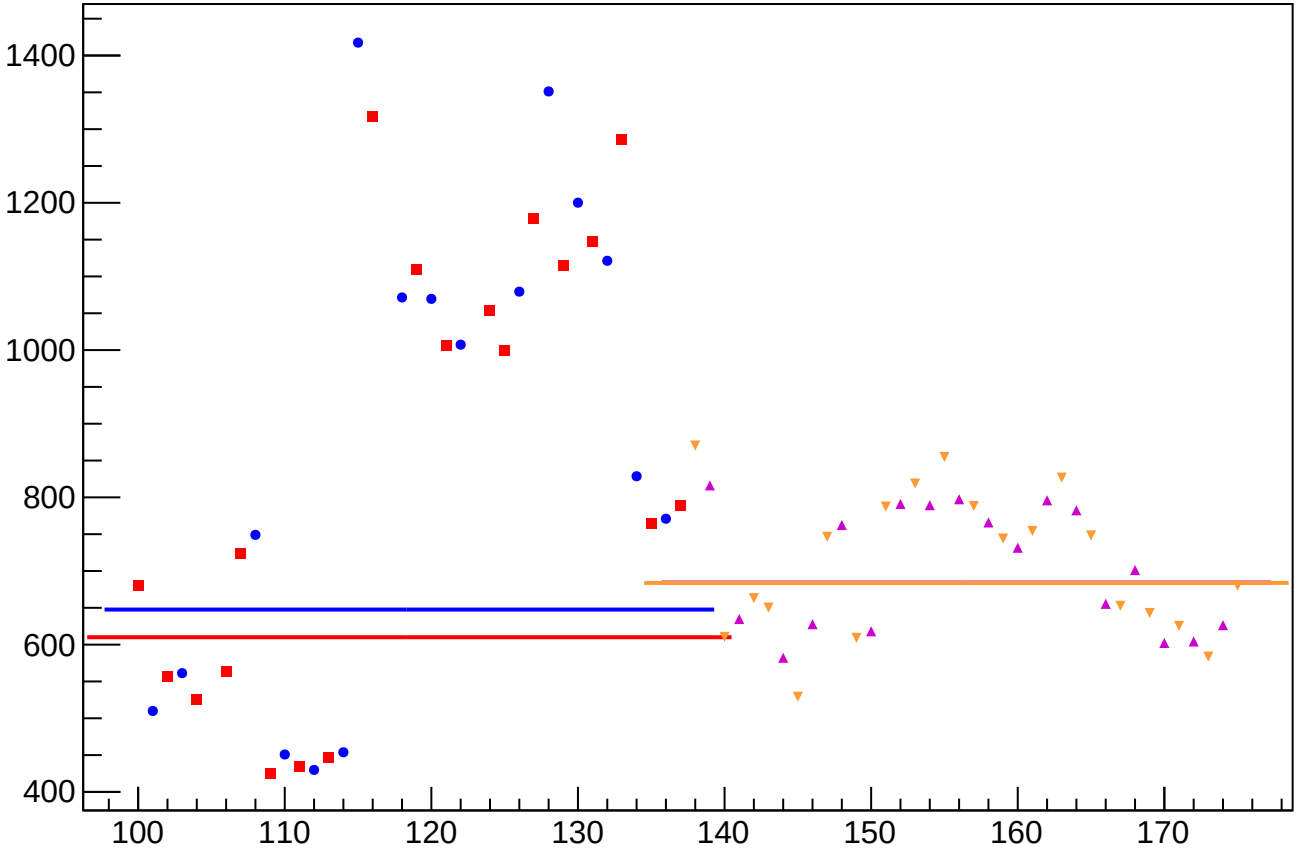
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 81.609+/-147.438 χ^2/NDF:40.1/33

Out: -408.484+/-140.981 χ^2/NDF:76.0/38

All: -174.405+/-101.895 χ^2/NDF: 121.8/72

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 683.833+/-0.123 χ^2/NDF:598038.8/19

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 684.400+/-0.127 χ^2/NDF:410270.2/17

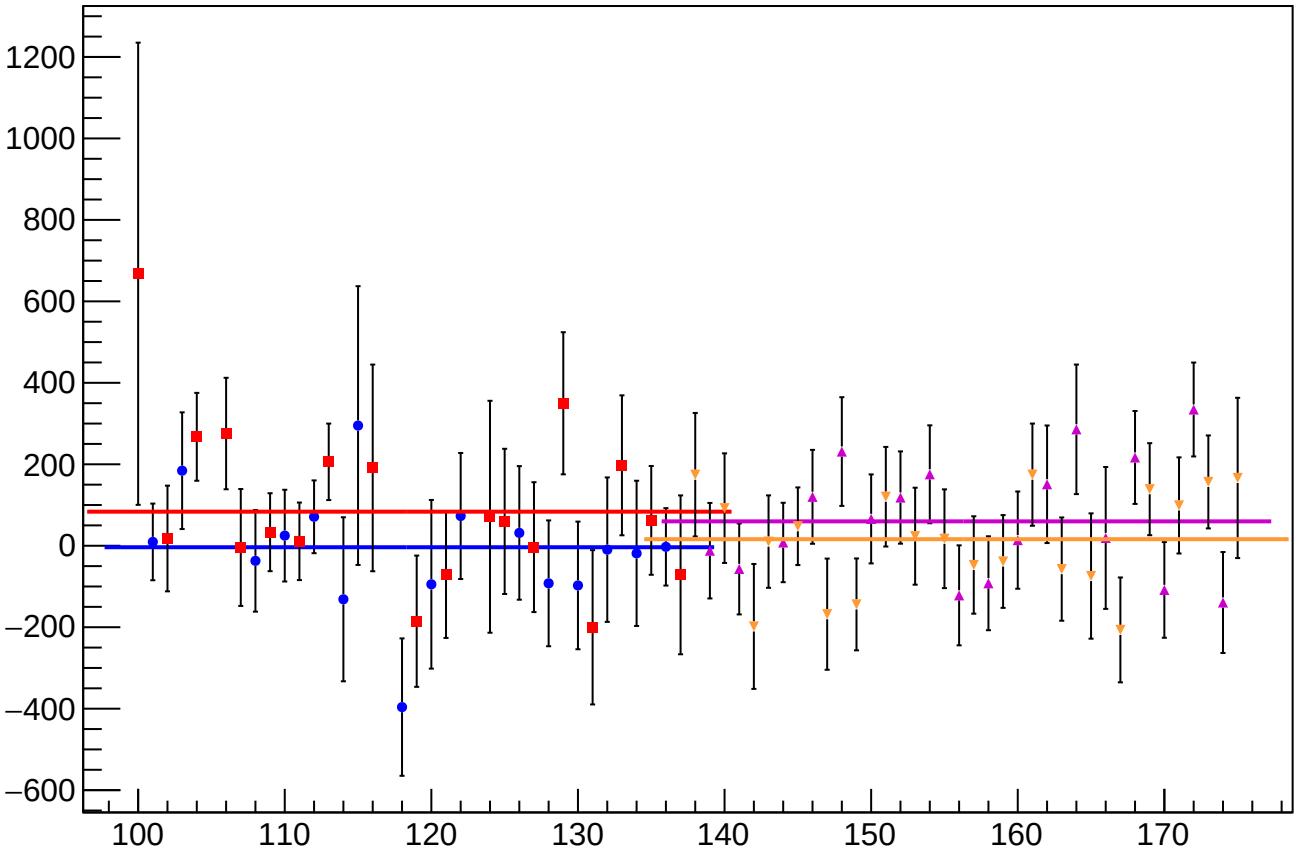
Left: 684.108+/-0.088 χ^2/NDF: 1008319.4/37

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 672.525+/-0.104 χ^2/NDF:2325274.5/33

Out: 658.638+/-0.100 χ^2/NDF:2795444.5/38

All: 665.270+/-0.072 χ^2/NDF: 5129988.1/72



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.104+/-27.787 χ^2/NDF:17.6/19

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 59.877+/-28.369 χ^2/NDF:23.6/17

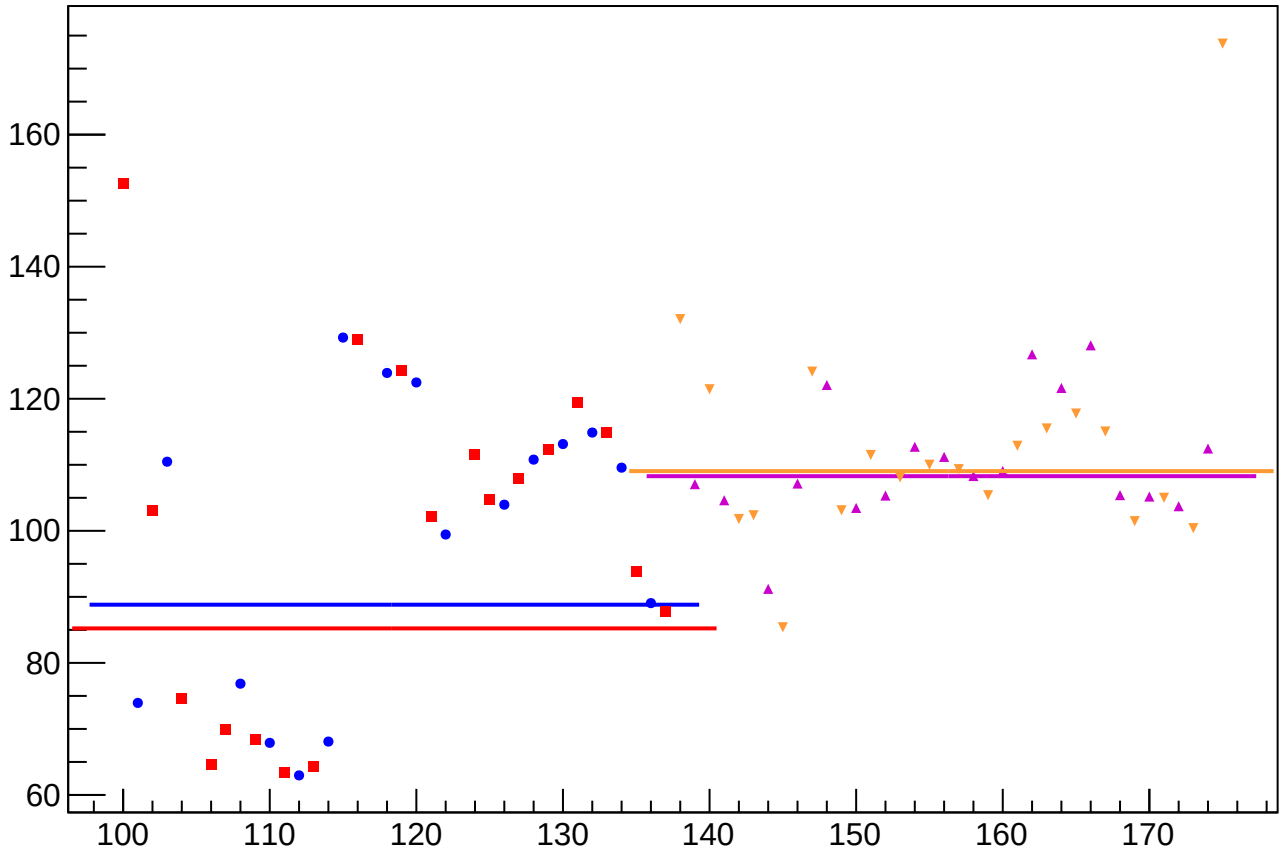
Left: 37.537+/-19.851 χ^2/NDF: 42.4/37

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 33.947+/-21.822 χ^2/NDF:36.0/33

Out: 44.505+/-21.156 χ^2/NDF:39.1/38

All: 39.390+/-15.190 χ^2/NDF: 75.3/72



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.045+/-0.020 χ^2/NDF:488001.9/19

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.276+/-0.020 χ^2/NDF:175233.2/17

Left: 108.668+/-0.014 χ^2/NDF: 663985.8/37

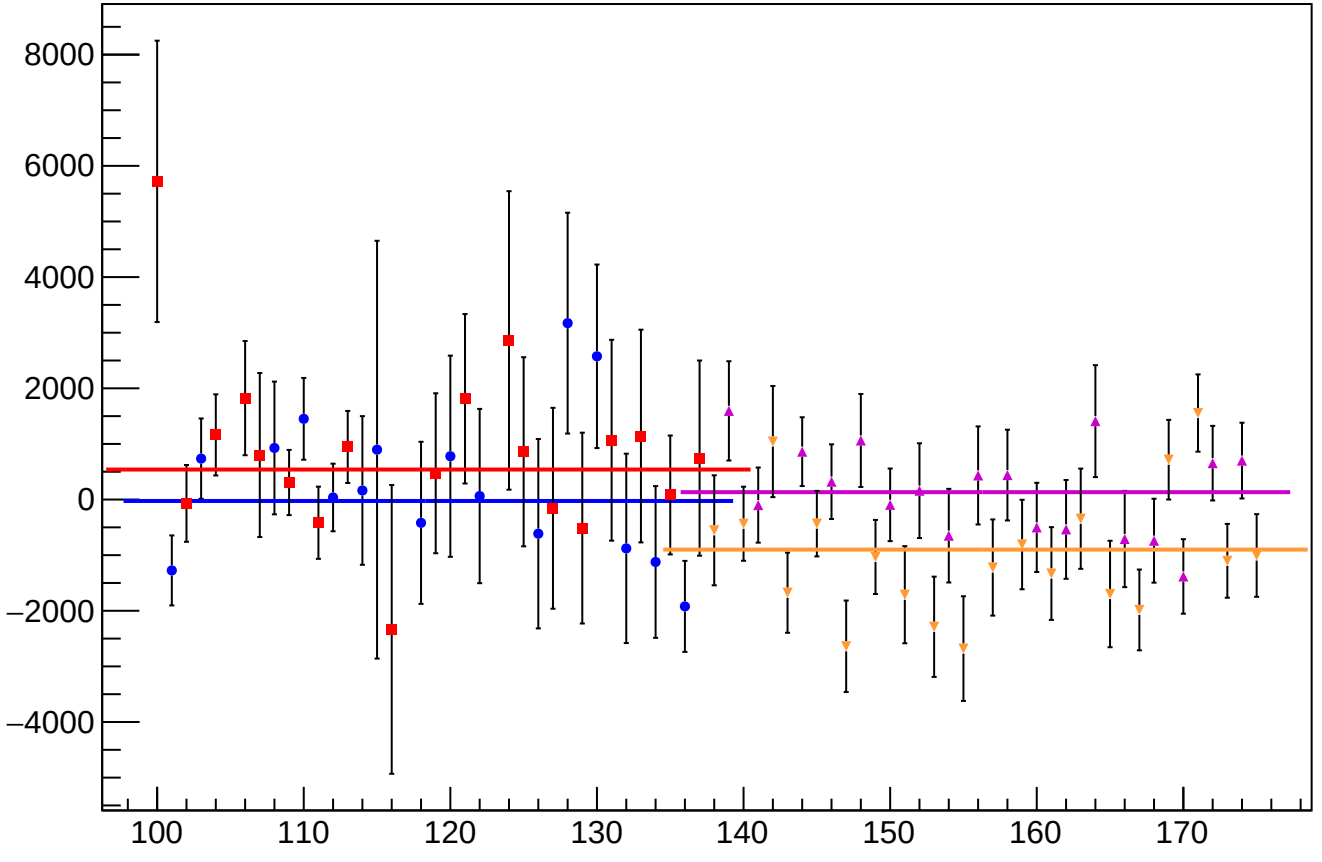
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 100.330+/-0.015 χ^2/NDF:1284165.5/33

Out: 99.033+/-0.015 χ^2/NDF:1989836.6/38

All: 99.661+/-0.011 χ^2/NDF: 3277641.5/72

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.241+/-173.736 χ^2/NDF:38.9/19

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 132.851+/-179.198 χ^2/NDF:18.2/17

Left: -399.679+/-124.736 χ^2/NDF: 74.3/37

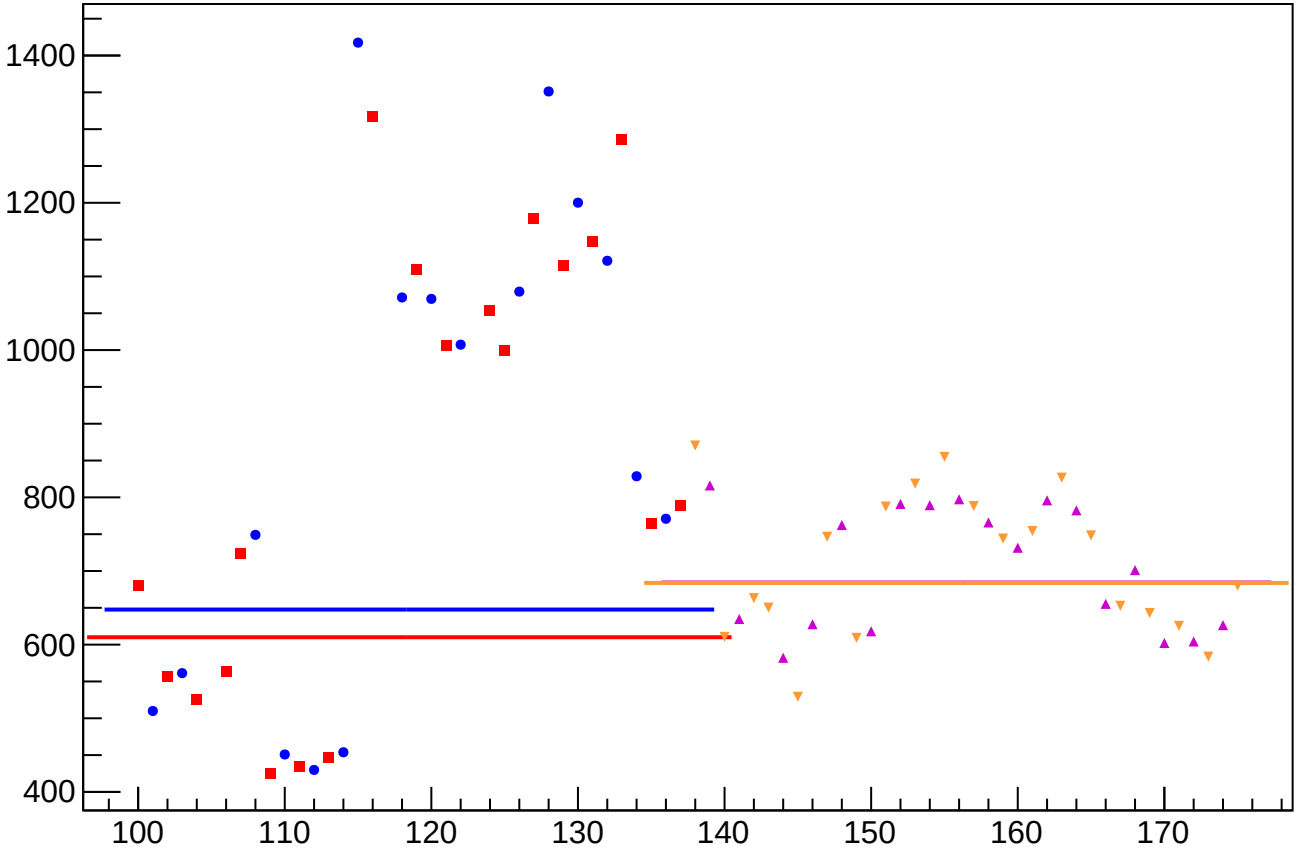
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 81.608+/-147.438 χ^2/NDF:40.1/33

Out: -408.483+/-140.981 χ^2/NDF:76.0/38

All: -174.405+/-101.895 χ^2/NDF: 121.8/72

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 683.832+/-0.123 χ^2/NDF:598039.6/19

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 684.400+/-0.127 χ^2/NDF:410267.8/17

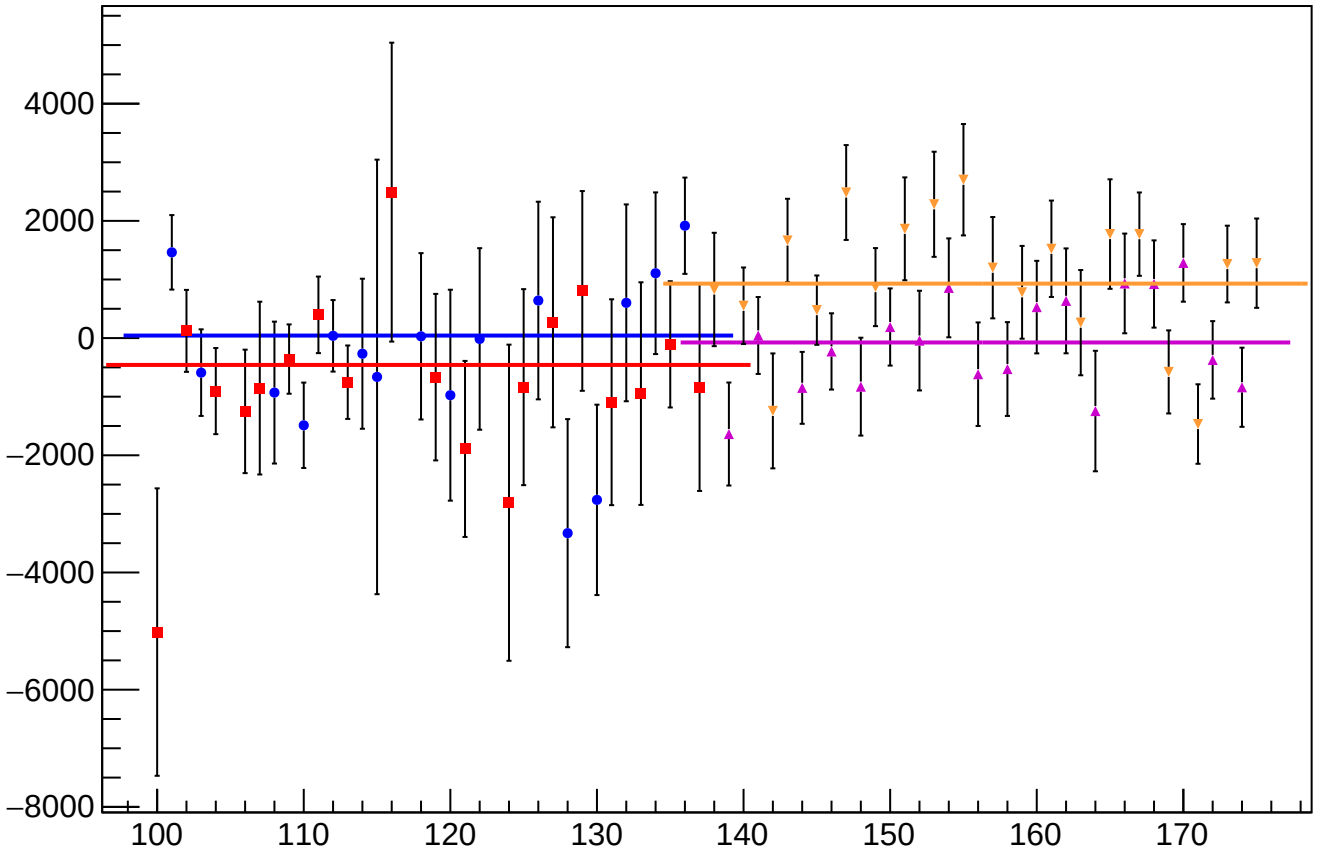
Left: 684.107+/-0.088 χ^2/NDF: 1008317.7/37

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 672.524+/-0.104 χ^2/NDF:2325277.3/33

Out: 658.637+/-0.100 χ^2/NDF:2795448.7/38

All: 665.270+/-0.072 χ^2/NDF: 5129995.2/72



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 929.343+/-172.242 χ^2/NDF:38.4/19

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -74.871+/-177.479 χ^2/NDF:19.1/17

Left: 442.270+/-123.603 χ^2/NDF: 74.0/37

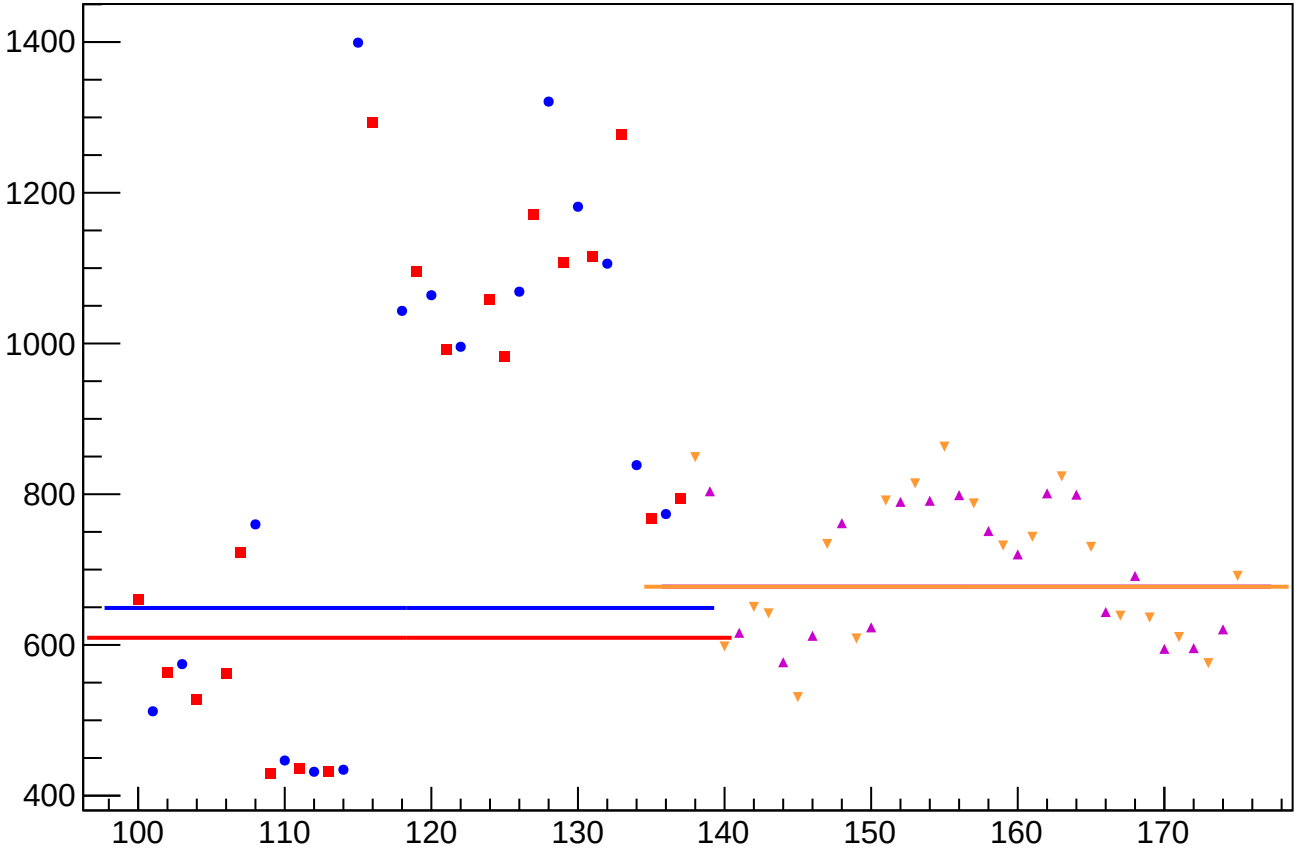
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -37.317+/-146.547 χ^2/NDF:42.5/33

Out: 460.553+/-140.155 χ^2/NDF:71.6/38

All: 222.713+/-101.289 χ^2/NDF: 120.1/72

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 677.232+/-0.122 χ^2/NDF:605246.6/19

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 677.460+/-0.125 χ^2/NDF:444209.4/17

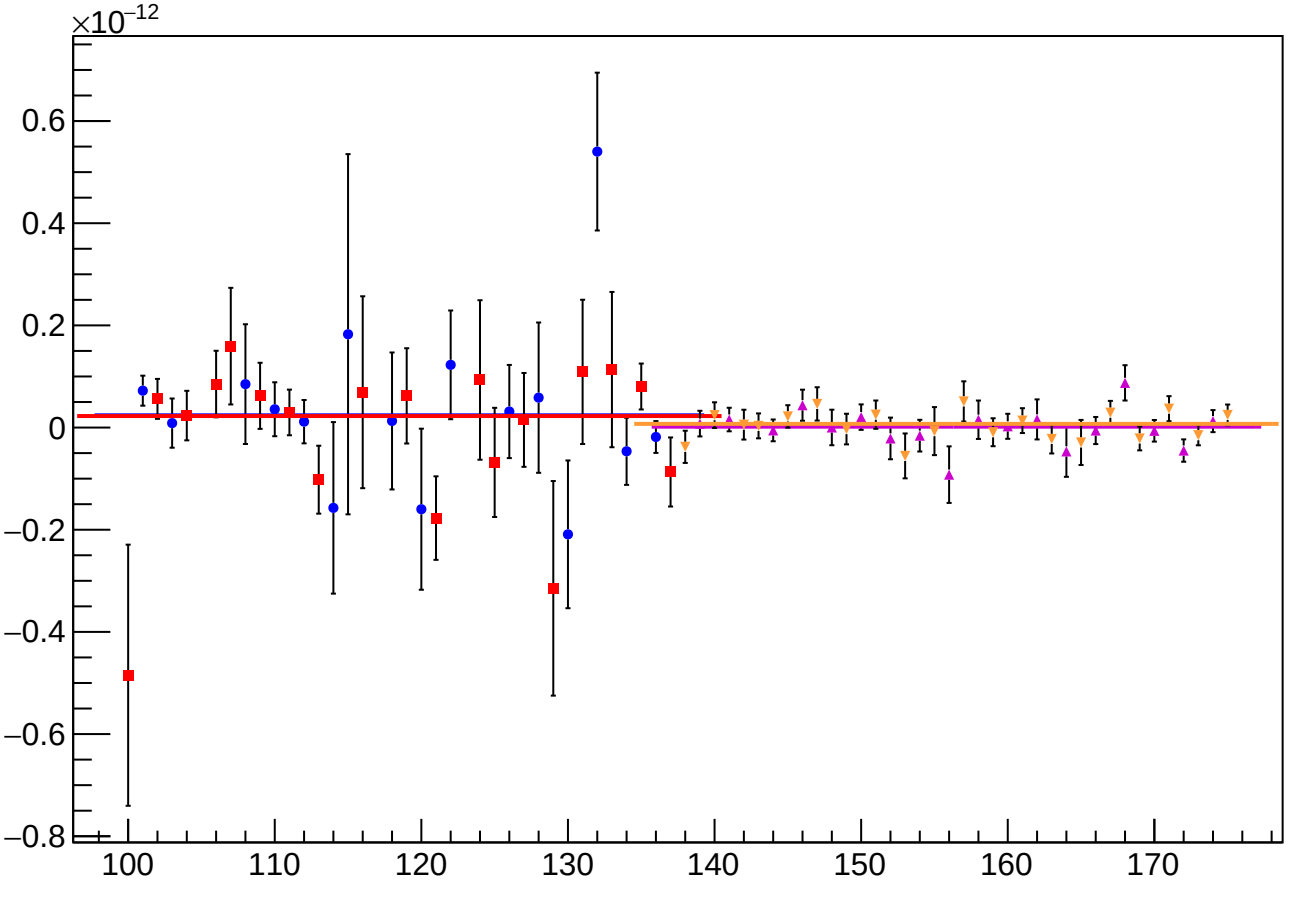
Left: 677.342+/-0.087 χ^2/NDF: 1049457.7/37

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 668.433+/-0.104 χ^2/NDF:2306284.7/33

Out: 654.353+/-0.099 χ^2/NDF:2753283.6/38

All: 661.079+/-0.072 χ^2/NDF: 5069211.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/17

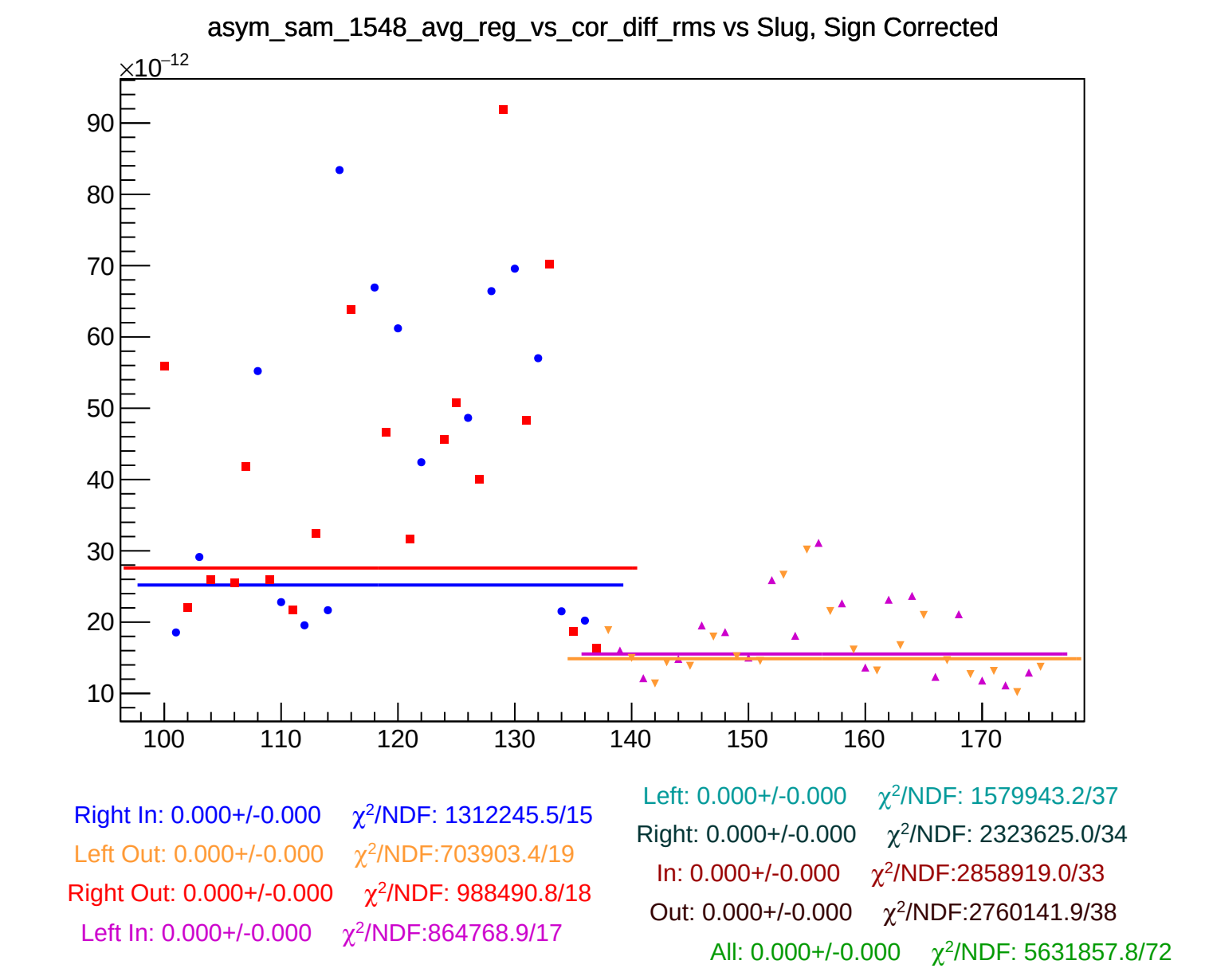
Left: 0.000+/-0.000 χ^2/NDF: 35.7/37

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

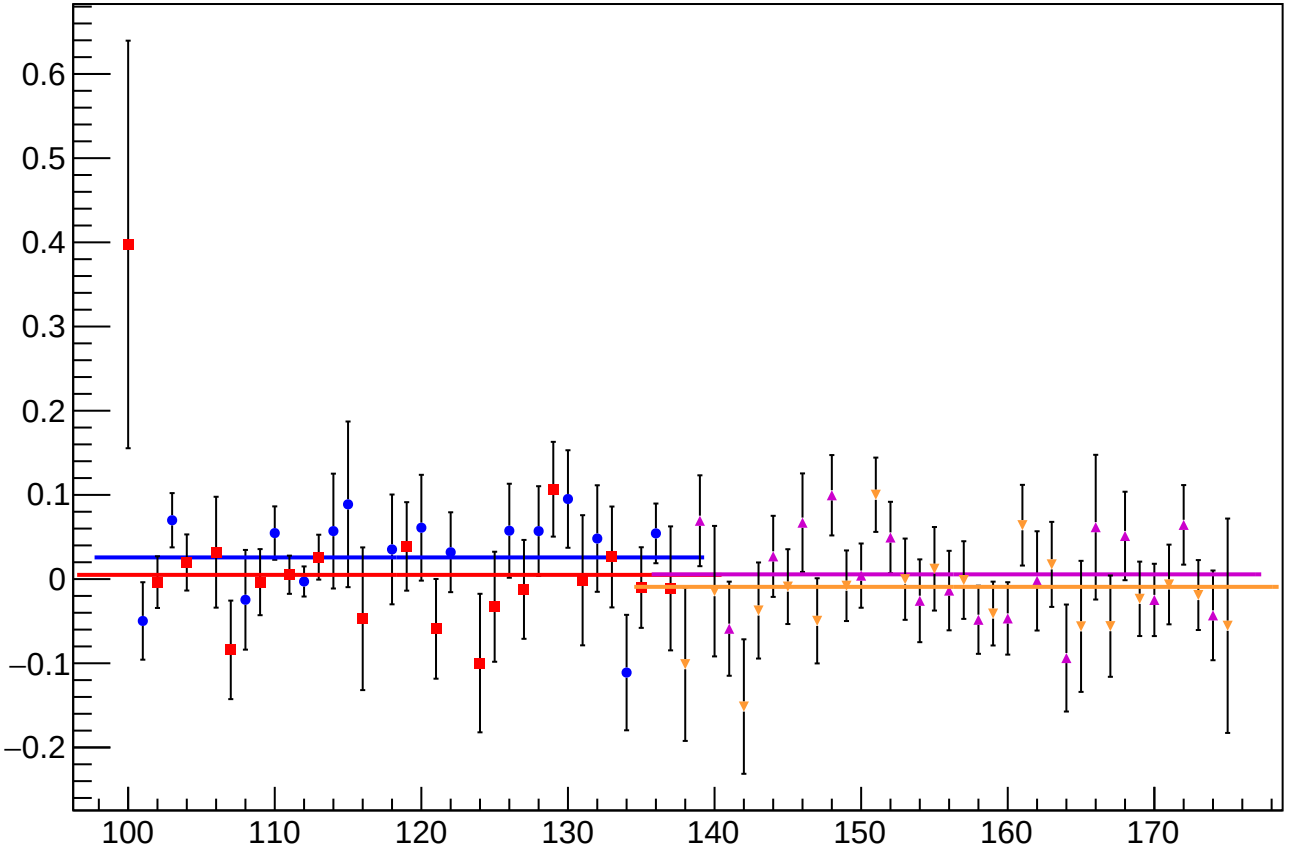
In: 0.000+/-0.000 χ^2/NDF:44.4/33

Out: 0.000+/-0.000 χ^2/NDF:42.8/38

All: 0.000+/-0.000 χ^2/NDF: 87.4/72


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:703903.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:864768.9/17
Left: 0.000+/-0.000 χ²/NDF: 1579943.2/37
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2858919.0/33
Out: 0.000+/-0.000 χ²/NDF:2760141.9/38
All: 0.000+/-0.000 χ²/NDF: 5631857.8/72

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

Left: -0.002+/-0.008 χ^2/NDF: 36.2/37

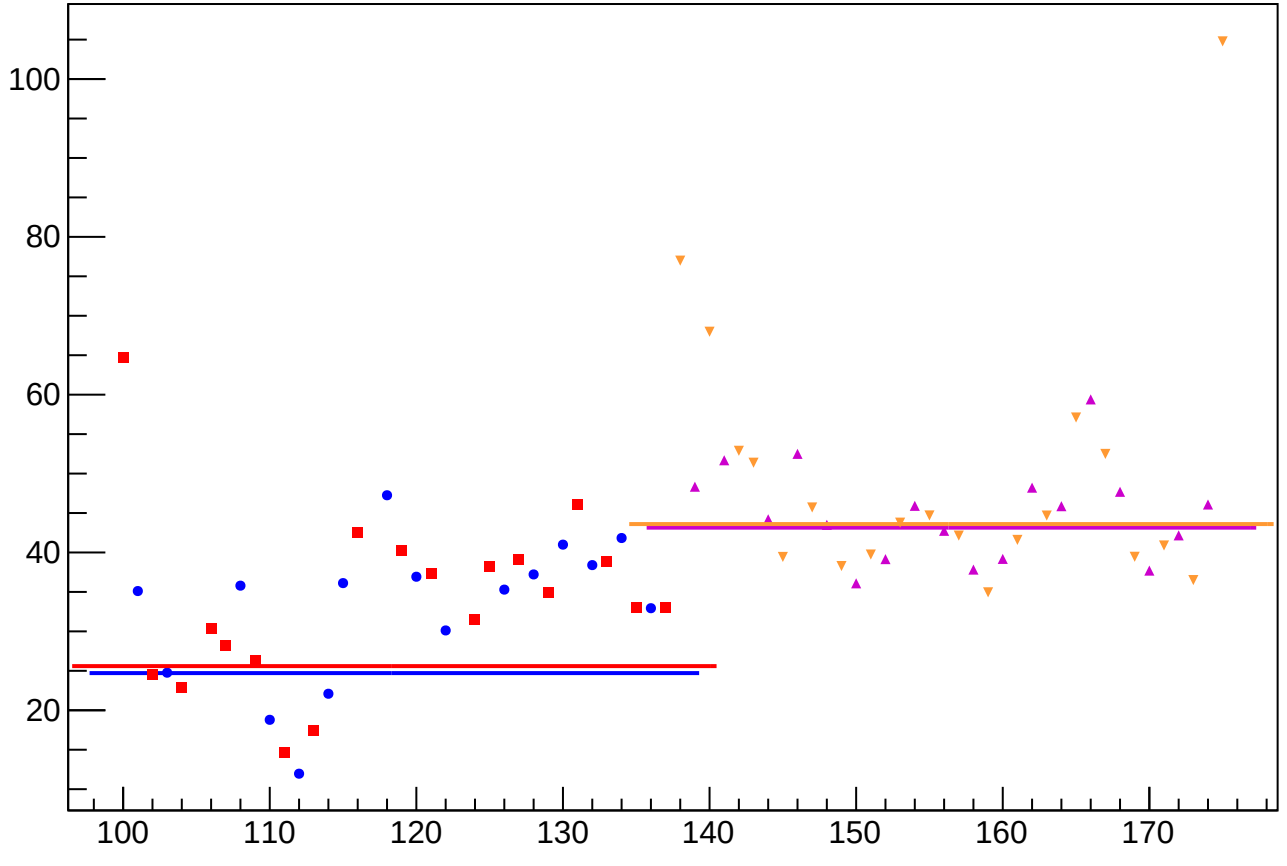
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 70.8/72

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.146+/-0.008 χ^2/NDF:405403.8/17

Left: 43.375+/-0.006 χ^2/NDF: 1765633.5/37

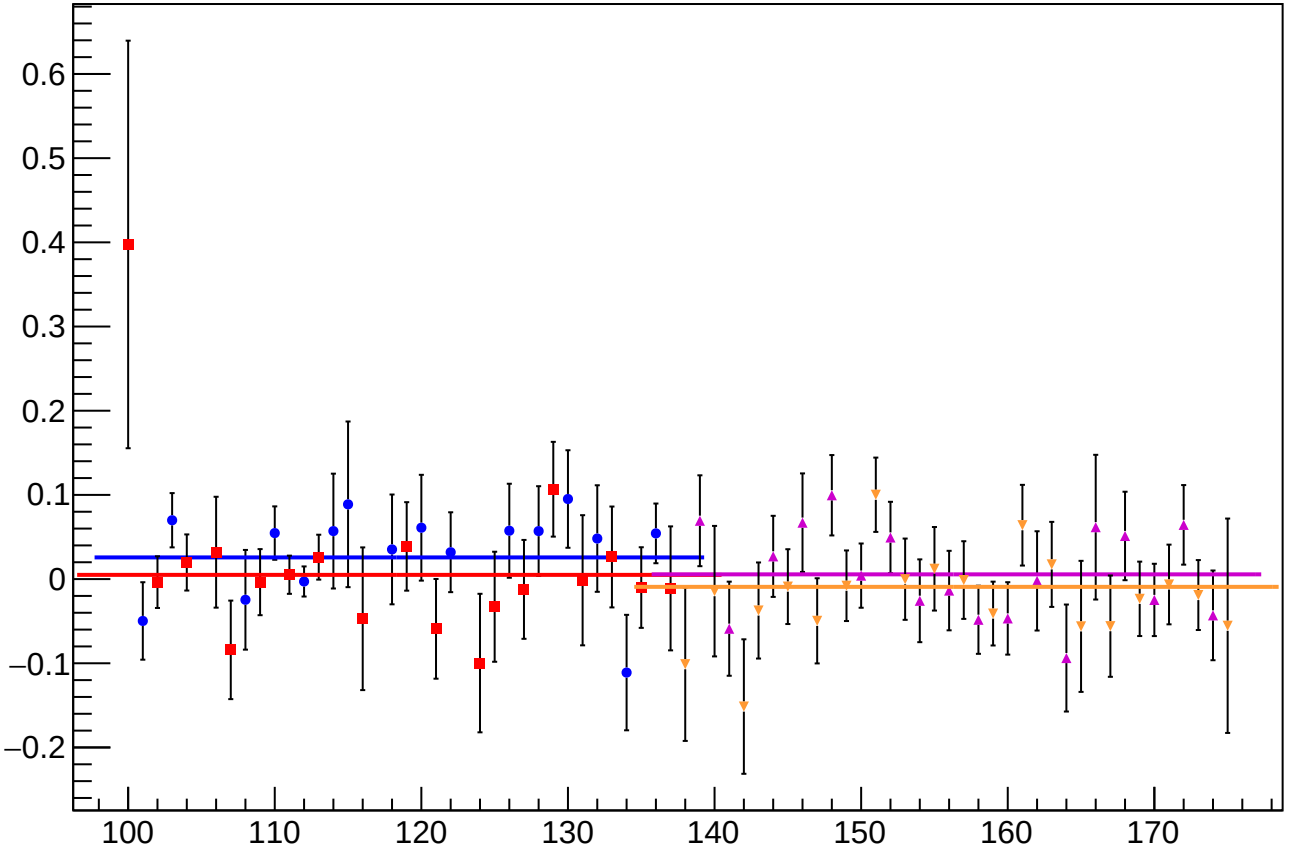
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.904+/-0.005 χ^2/NDF:5516369.2/33

Out: 33.675+/-0.005 χ^2/NDF:5679774.3/38

All: 33.291+/-0.004 χ^2/NDF: 11206142.0/72

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

Left: -0.002+/-0.008 χ^2/NDF: 36.2/37

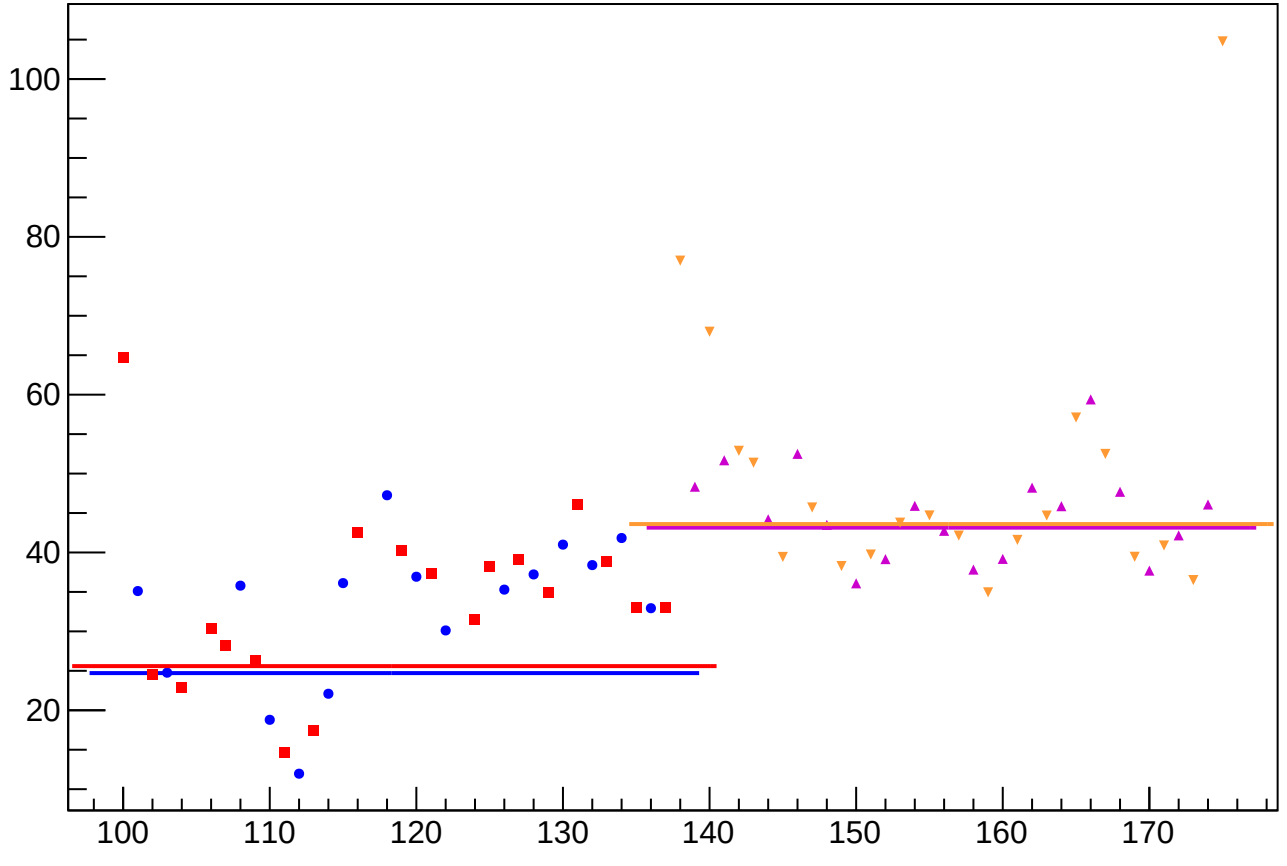
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 70.8/72

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.146+/-0.008 χ^2/NDF:405403.8/17

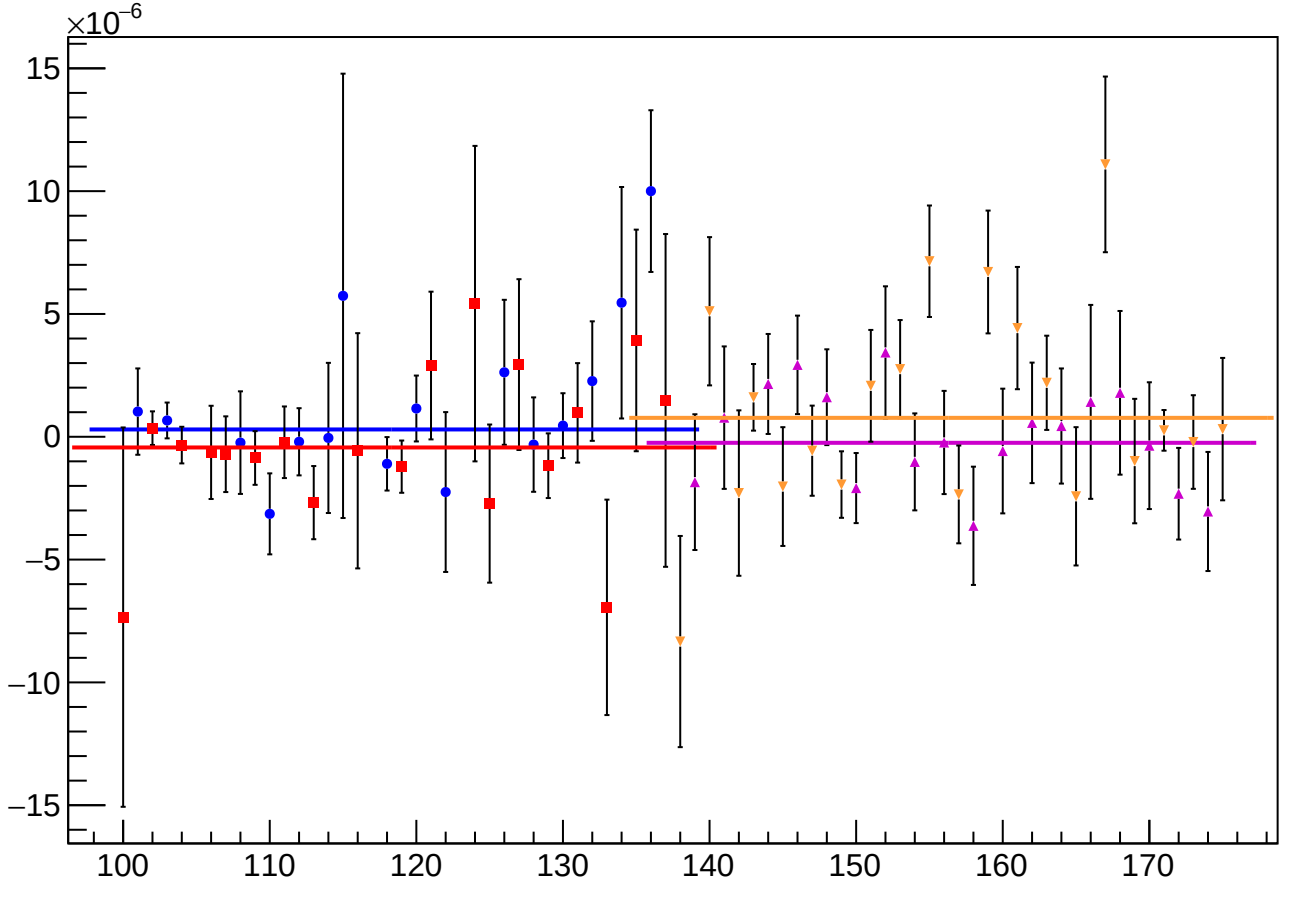
Left: 43.375+/-0.006 χ^2/NDF: 1765633.5/37

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.904+/-0.005 χ^2/NDF:5516369.2/33

Out: 33.675+/-0.005 χ^2/NDF:5679774.3/38

All: 33.291+/-0.004 χ^2/NDF: 11206142.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

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

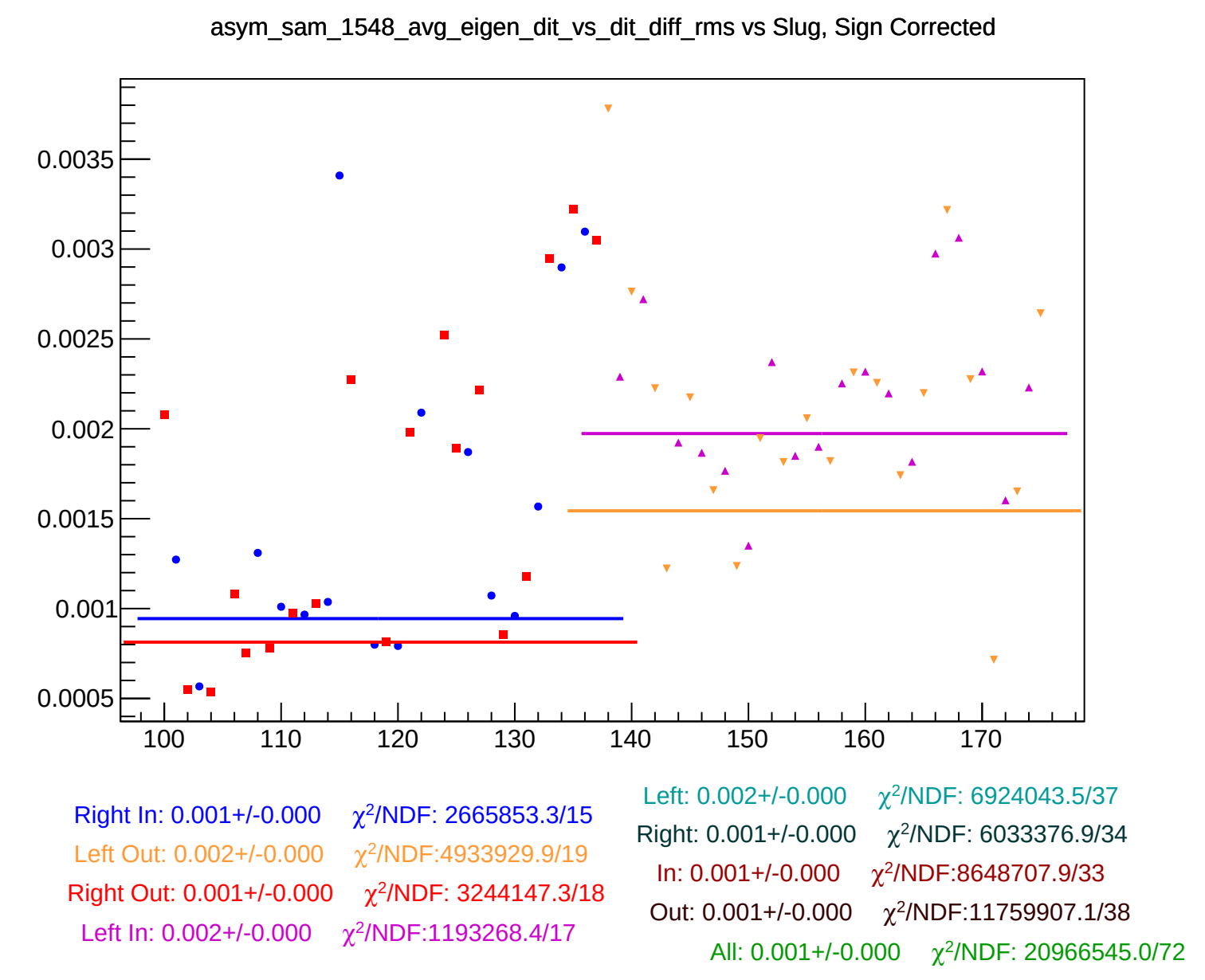
Left: 0.000+/-0.000 χ^2/NDF: 60.9/37

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

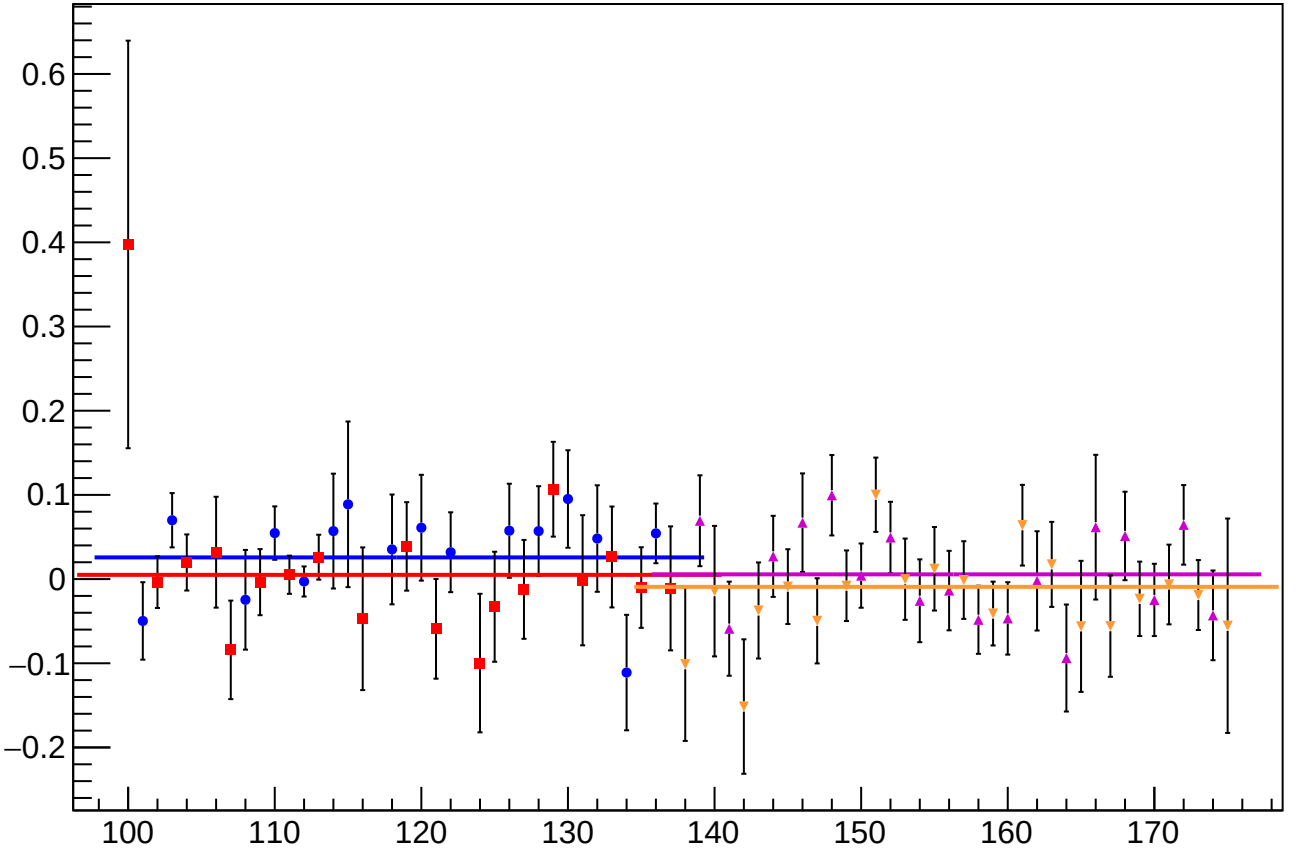
In: 0.000+/-0.000 χ^2/NDF:34.2/33

Out: 0.000+/-0.000 χ^2/NDF:62.0/38

All: 0.000+/-0.000 χ^2/NDF: 96.2/72


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4933929.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1193268.4/17
Left: 0.002+/-0.000 χ²/NDF: 6924043.5/37
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:8648707.9/33
Out: 0.001+/-0.000 χ²/NDF:11759907.1/38
All: 0.001+/-0.000 χ²/NDF: 20966545.0/72

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

Left: -0.002+/-0.008 χ^2/NDF: 36.2/37

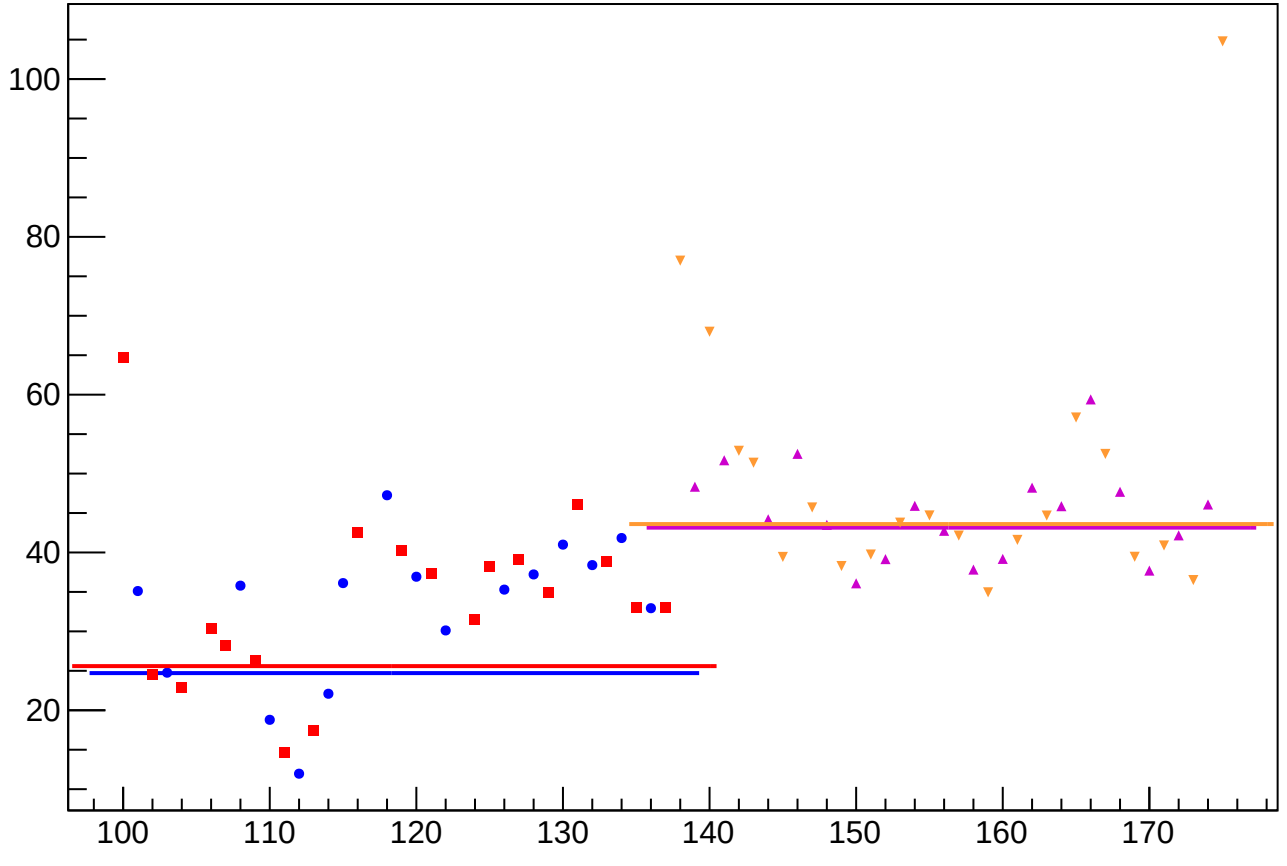
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 70.8/72

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

Left: 43.376+/-0.006 χ^2/NDF: 1765609.2/37

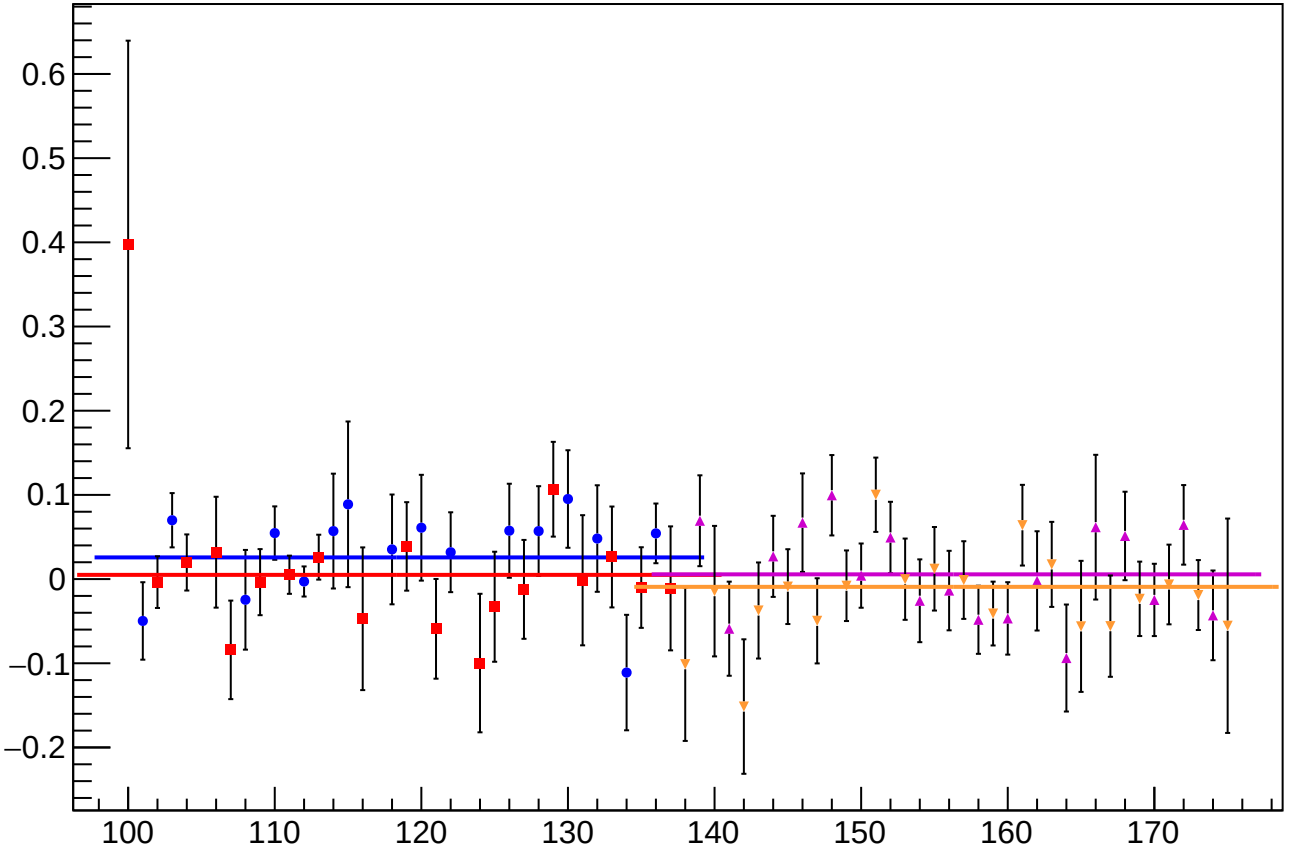
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.904+/-0.005 χ^2/NDF:5516849.4/33

Out: 33.674+/-0.005 χ^2/NDF:5680145.5/38

All: 33.291+/-0.004 χ^2/NDF: 11206996.8/72

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

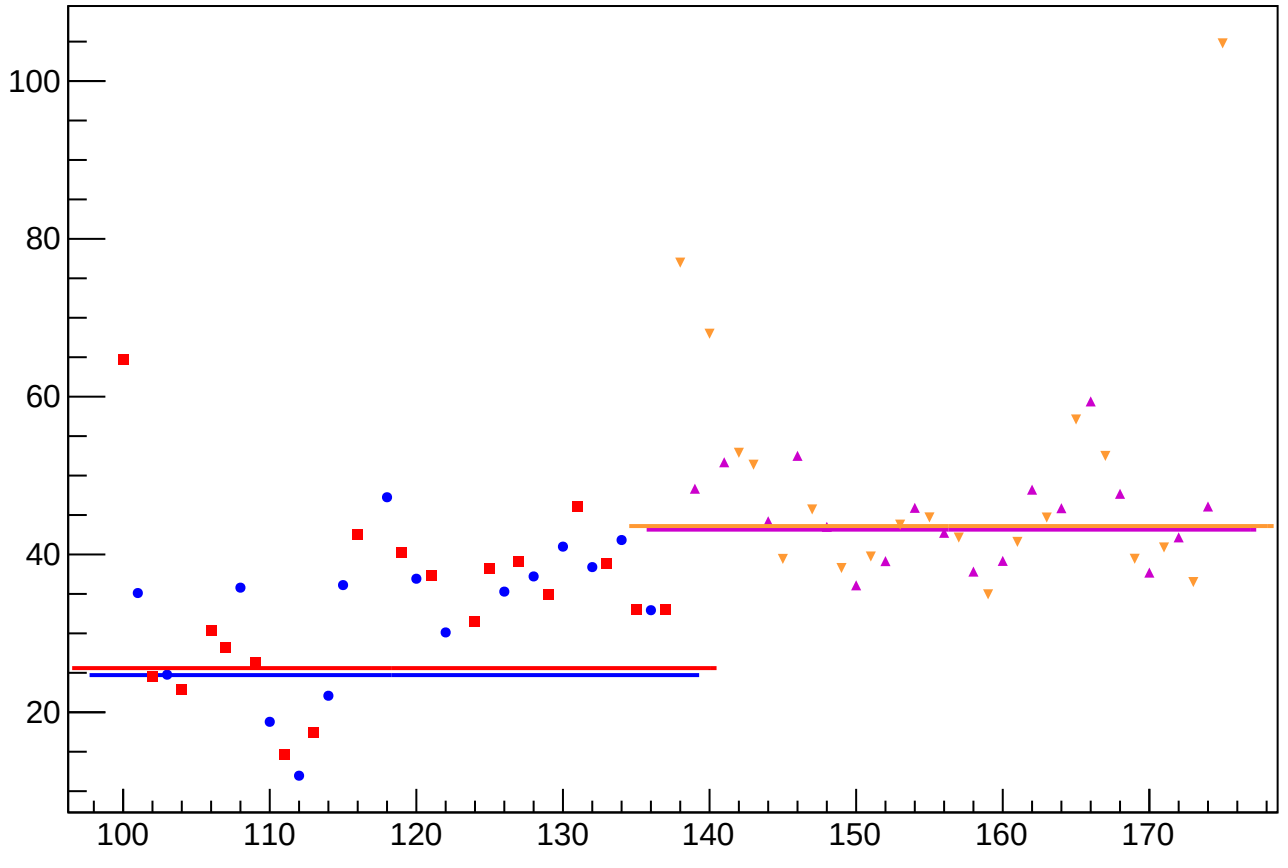
Left: -0.002+/-0.008 χ^2/NDF: 36.2/37

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 70.8/72



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

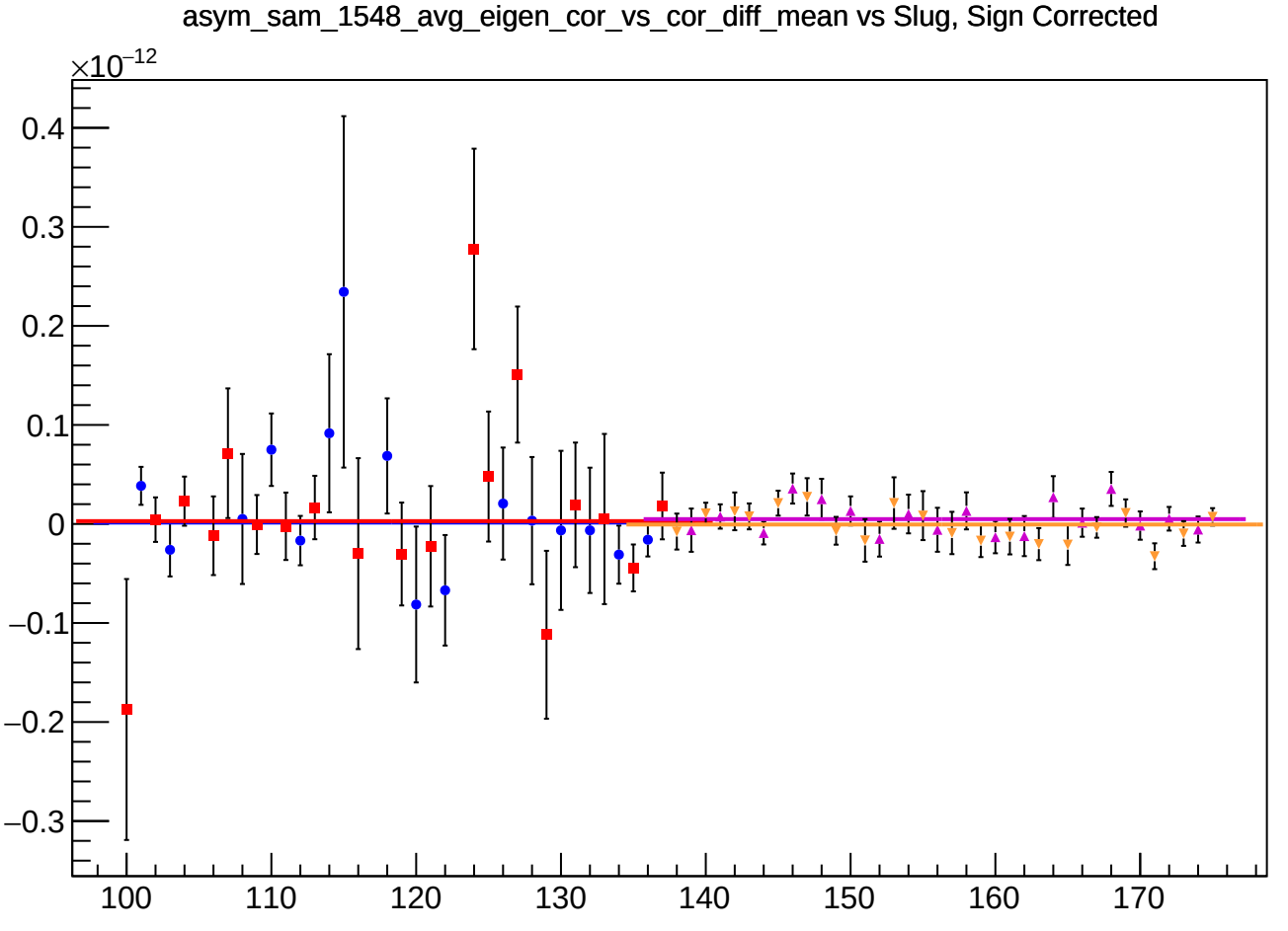
Left: 43.376+/-0.006 χ^2/NDF: 1765609.2/37

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.904+/-0.005 χ^2/NDF:5516849.4/33

Out: 33.674+/-0.005 χ^2/NDF:5680145.5/38

All: 33.291+/-0.004 χ^2/NDF: 11206996.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/17

Left: 0.000+/-0.000 χ^2/NDF: 38.3/37

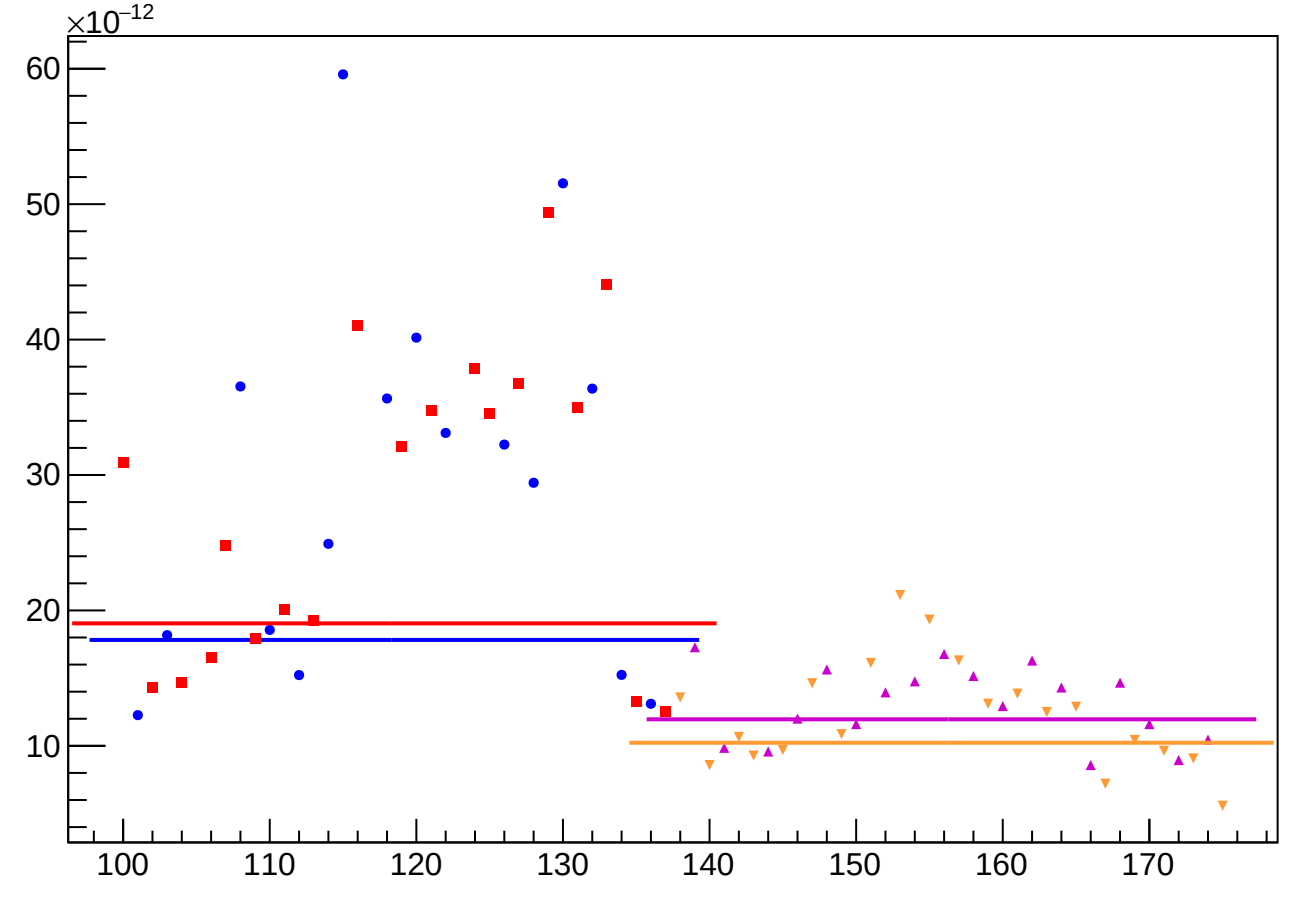
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:34.9/33

Out: -0.000+/-0.000 χ^2/NDF:44.6/38

All: 0.000+/-0.000 χ^2/NDF: 80.5/72

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2141080.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:985769.8/17

Left: 0.000+/-0.000 χ^2/NDF: 3372423.9/37

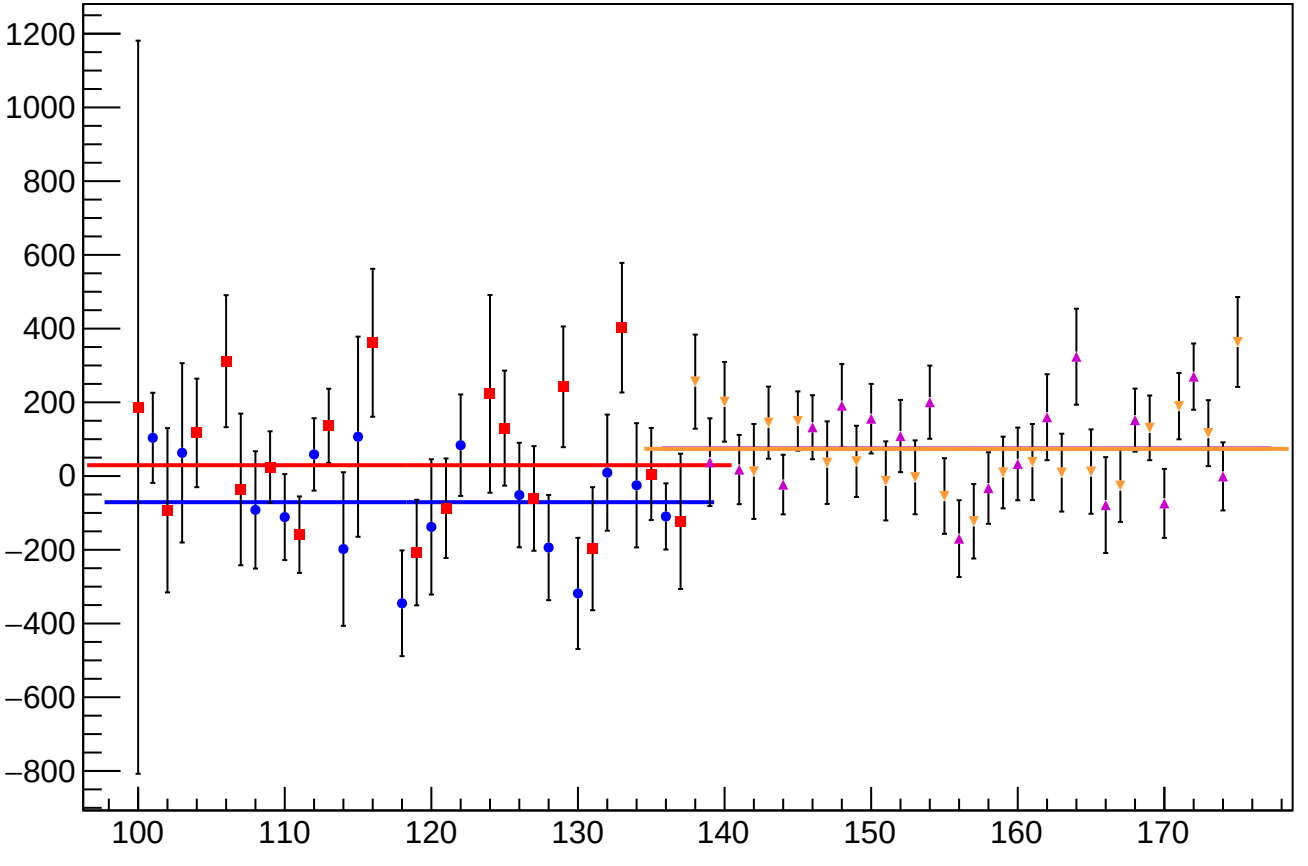
Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3627646.3/33

Out: 0.000+/-0.000 χ^2/NDF:5414200.1/38

All: 0.000+/-0.000 χ^2/NDF: 9298774.0/72

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.760+/-22.660 χ^2/NDF:22.1/19

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 74.964+/-23.248 χ^2/NDF:27.1/17

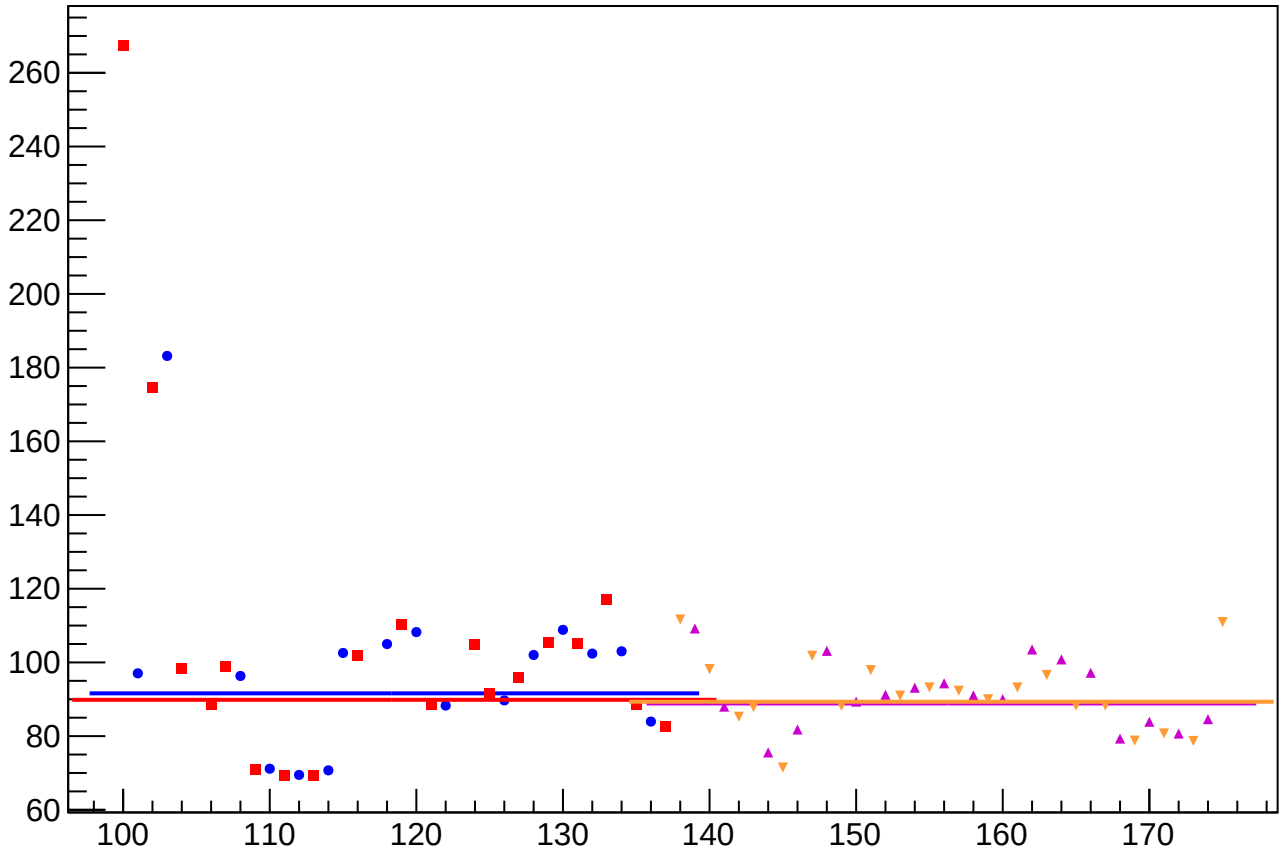
Left: 74.347+/-16.227 χ^2/NDF: 49.2/37

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 30.527+/-19.386 χ^2/NDF:53.1/33

Out: 60.254+/-18.897 χ^2/NDF:47.3/38

All: 45.770+/-13.532 χ^2/NDF: 101.6/72



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

Left: 89.100+/-0.011 χ^2/NDF: 647705.5/37

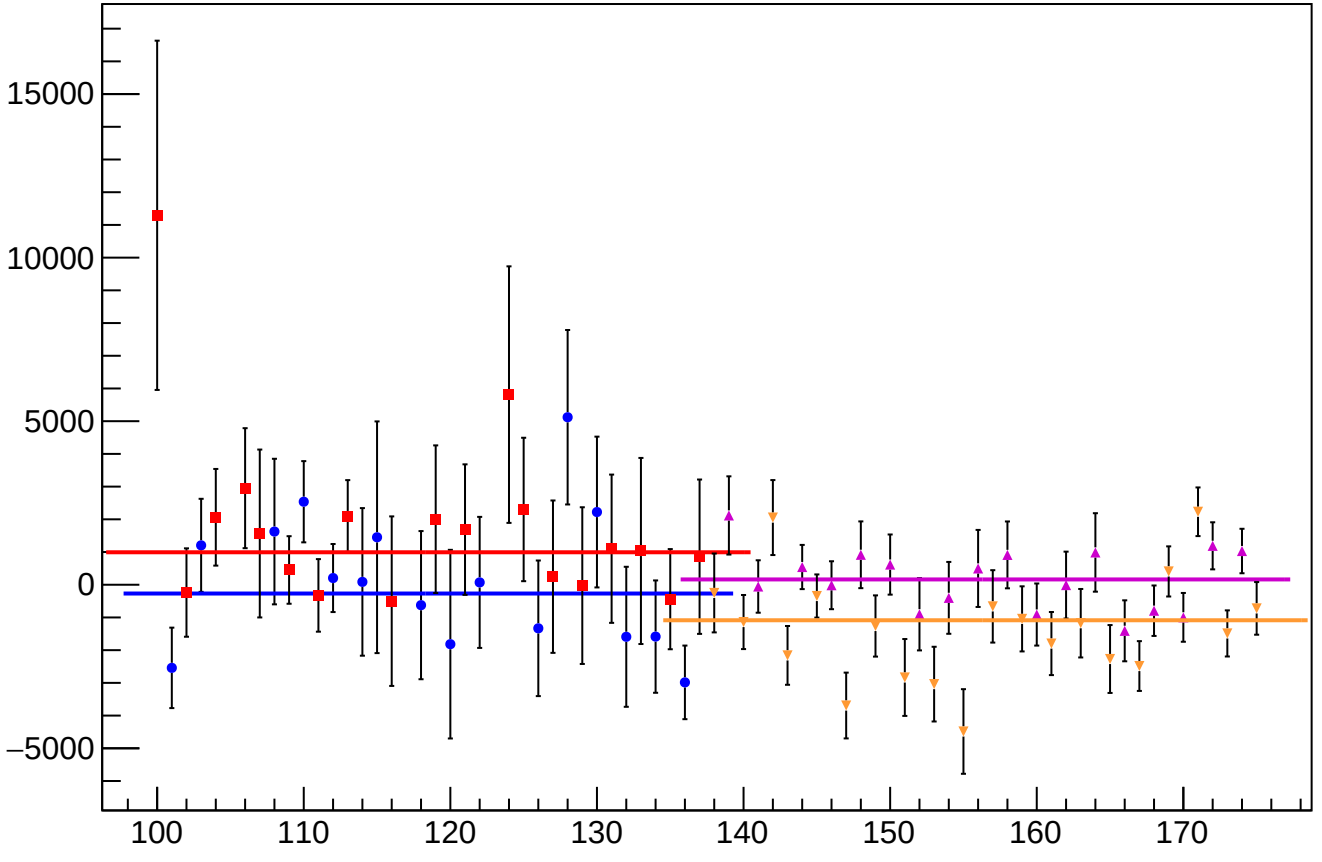
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.694+/-0.014 χ^2/NDF:866694.9/33

Out: 89.491+/-0.013 χ^2/NDF:1116408.5/38

All: 89.590+/-0.010 χ^2/NDF: 1983216.3/72

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1085.815+/-203.273 χ^2/NDF:59.1/19

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 162.304+/-207.314 χ^2/NDF:18.0/17

Left: -474.036+/-145.143 χ^2/NDF: 95.5/37

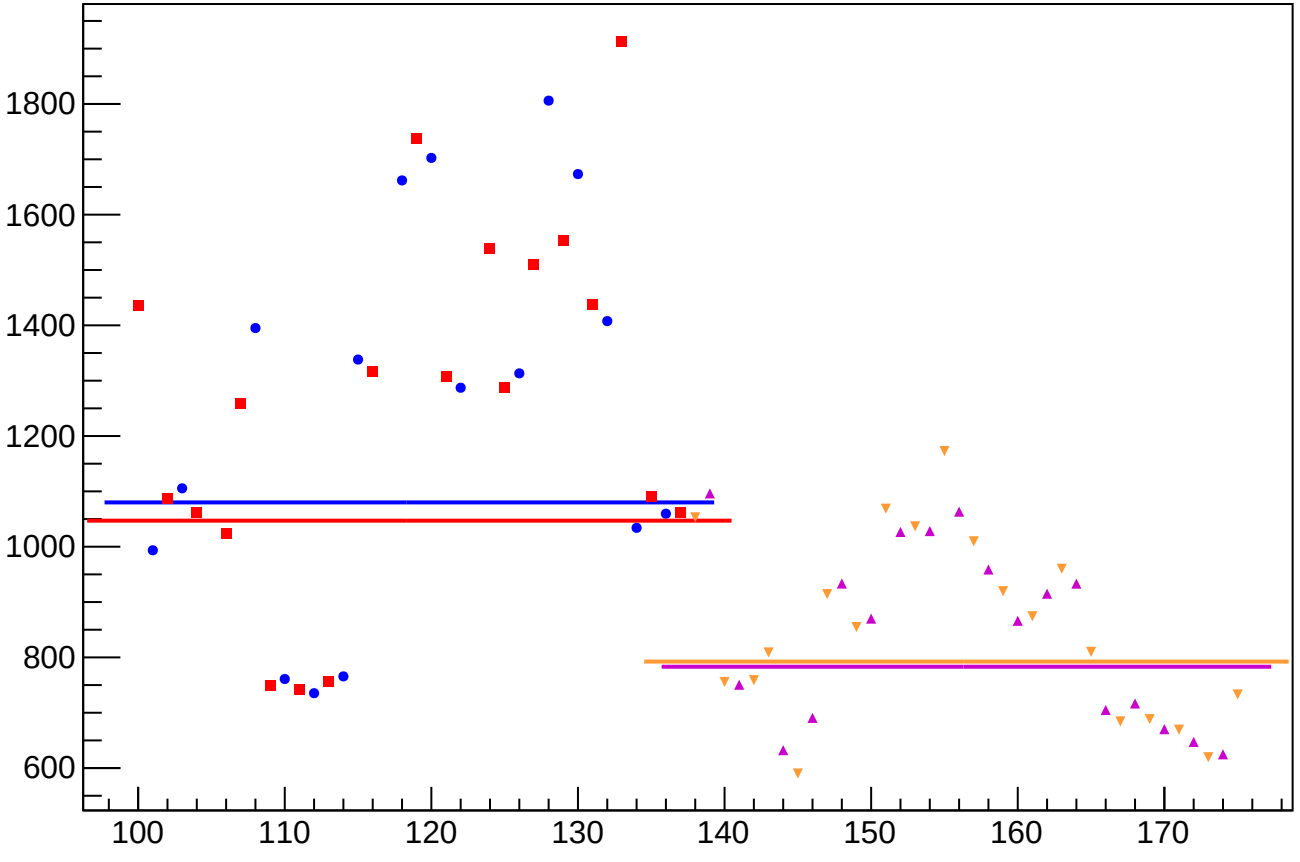
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 77.771+/-185.863 χ^2/NDF:42.3/33

Out: -660.610+/-181.293 χ^2/NDF:93.1/38

All: -300.610+/-129.779 χ^2/NDF: 143.5/72

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140174.6/19

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

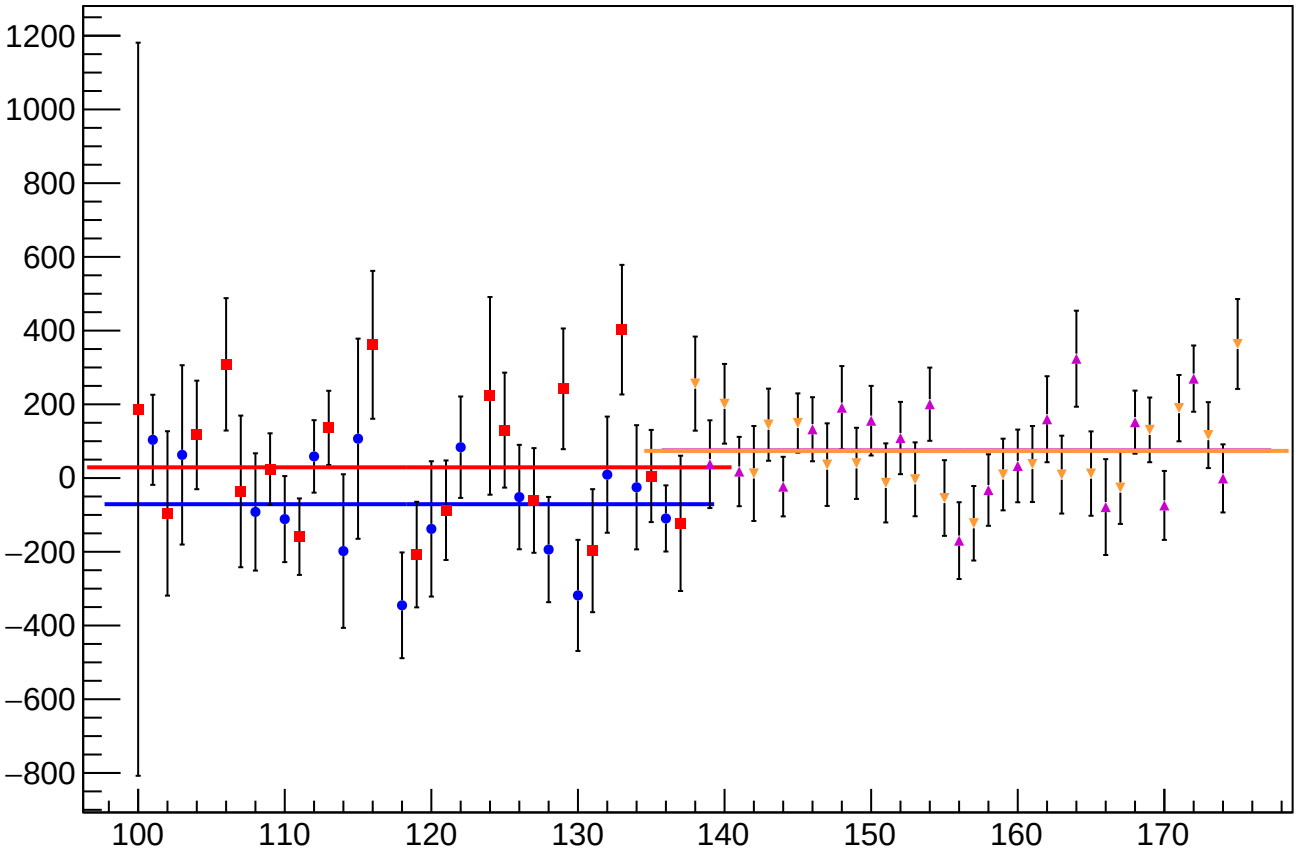
Left: 787.875+/-0.103 χ^2/NDF: 2178514.3/37

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 841.397+/-0.131 χ^2/NDF:2894746.2/33

Out: 844.525+/-0.128 χ^2/NDF:2980851.5/38

All: 843.000+/-0.092 χ^2/NDF: 5875888.0/72



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 74.963+/-23.248 χ^2/NDF:27.1/17

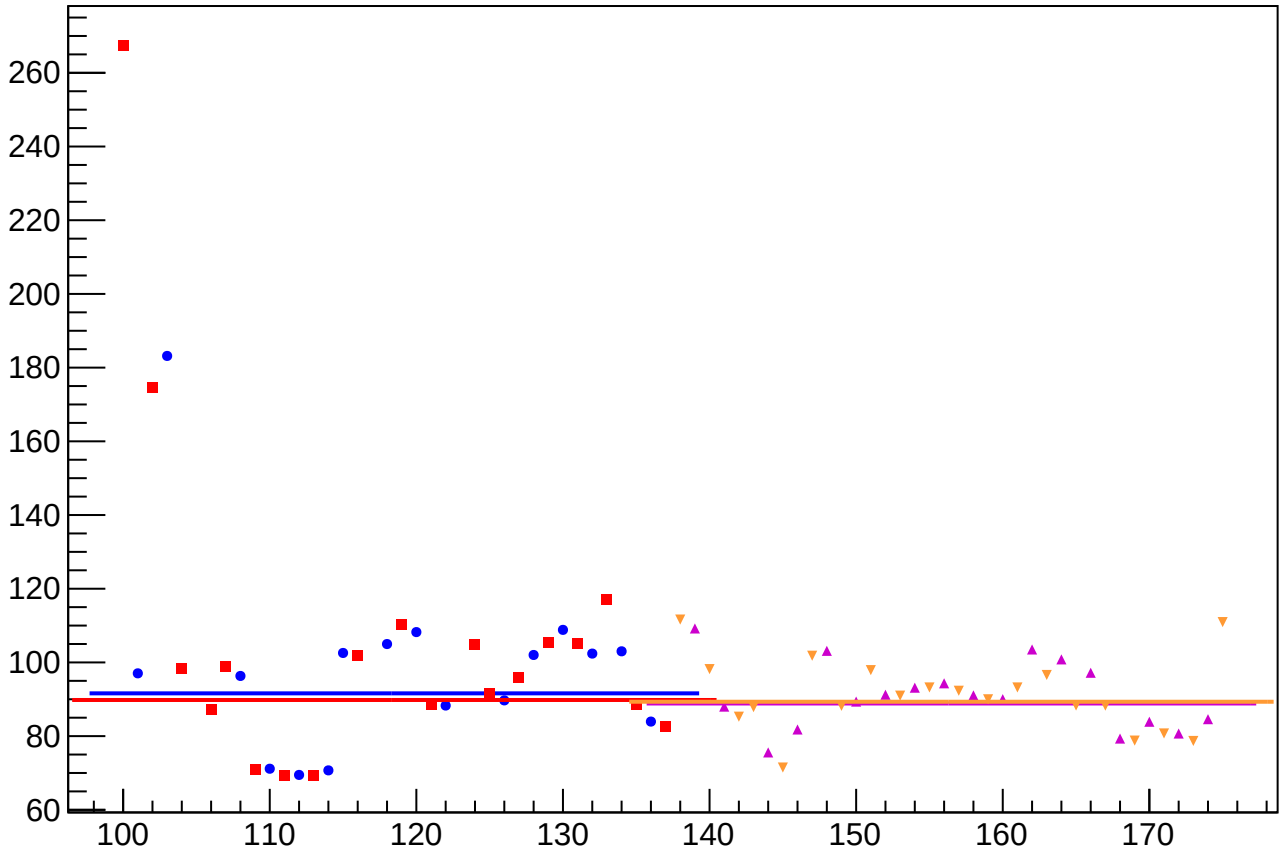
Left: 74.348+/-16.227 χ^2/NDF: 49.2/37

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.522+/-19.386 χ^2/NDF:53.1/33

Out: 60.182+/-18.898 χ^2/NDF:47.2/38

All: 45.730+/-13.532 χ^2/NDF: 101.6/72



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

Left: 89.100+/-0.011 χ^2/NDF: 647705.5/37

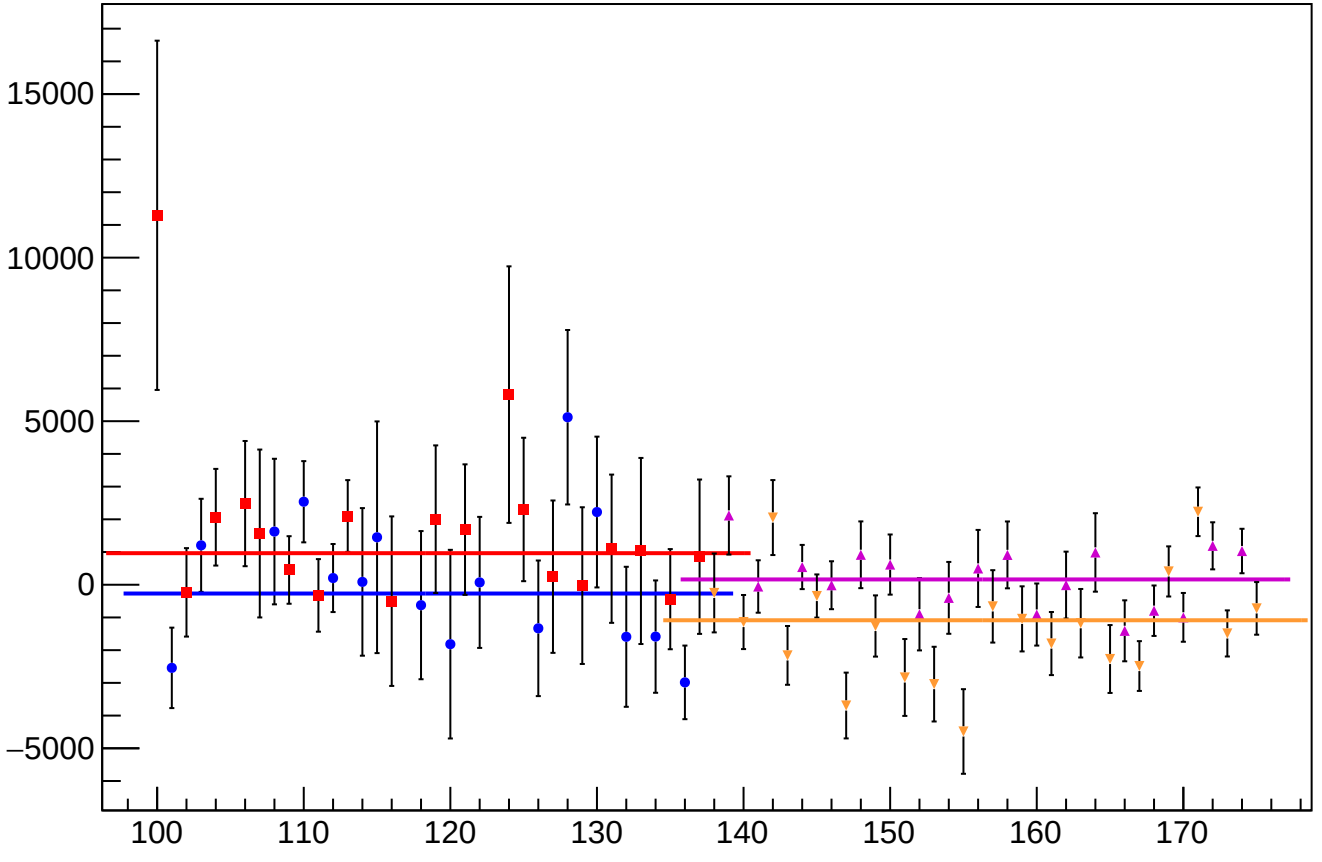
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.694+/-0.014 χ^2/NDF:866698.0/33

Out: 89.476+/-0.013 χ^2/NDF:1116896.6/38

All: 89.582+/-0.010 χ^2/NDF: 1983724.1/72

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 162.308+/-207.314 χ^2/NDF:18.0/17

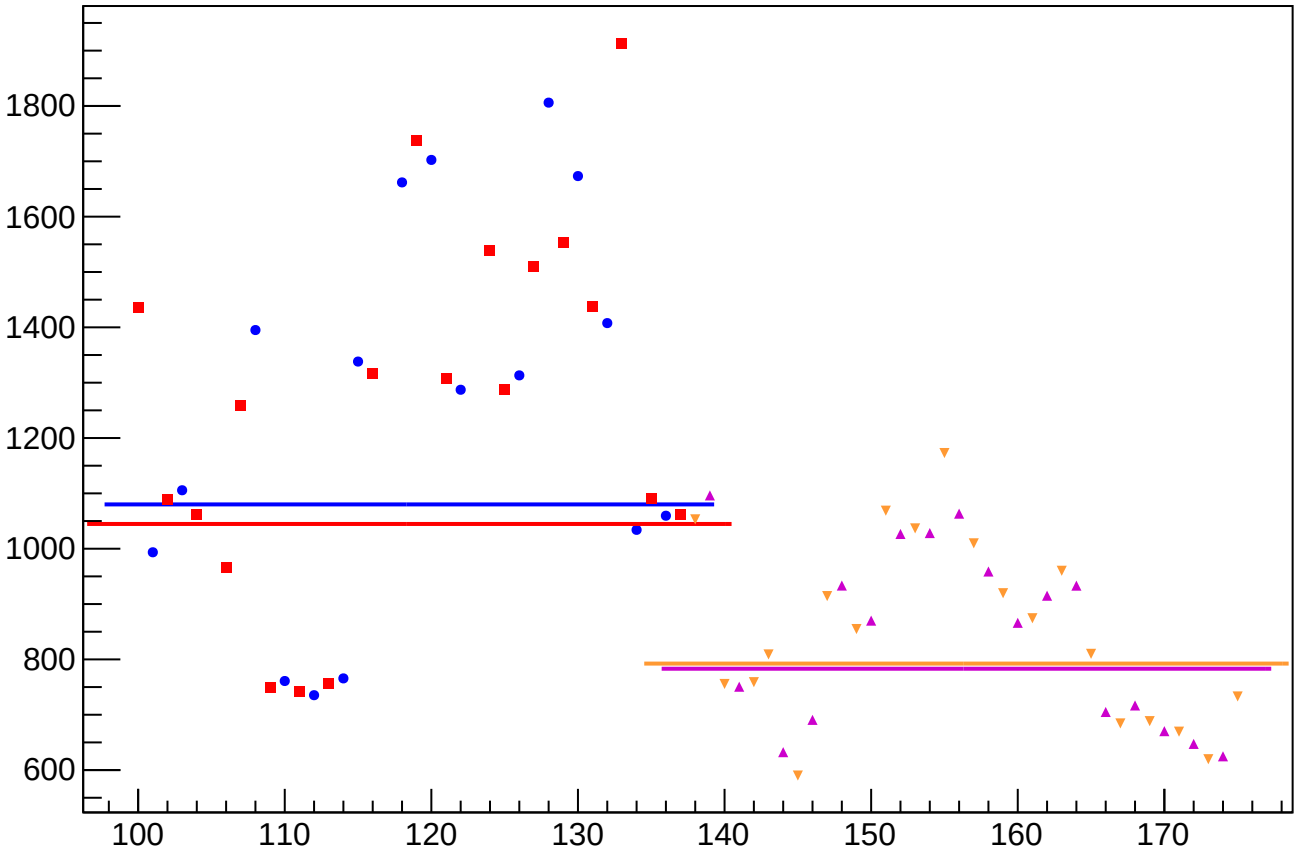
Left: -474.033+/-145.143 χ^2/NDF: 95.5/37

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 77.771+/-185.864 χ^2/NDF:42.3/33

Out: -667.613+/-181.367 χ^2/NDF:91.9/38

All: -304.047+/-129.806 χ^2/NDF: 142.4/72



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

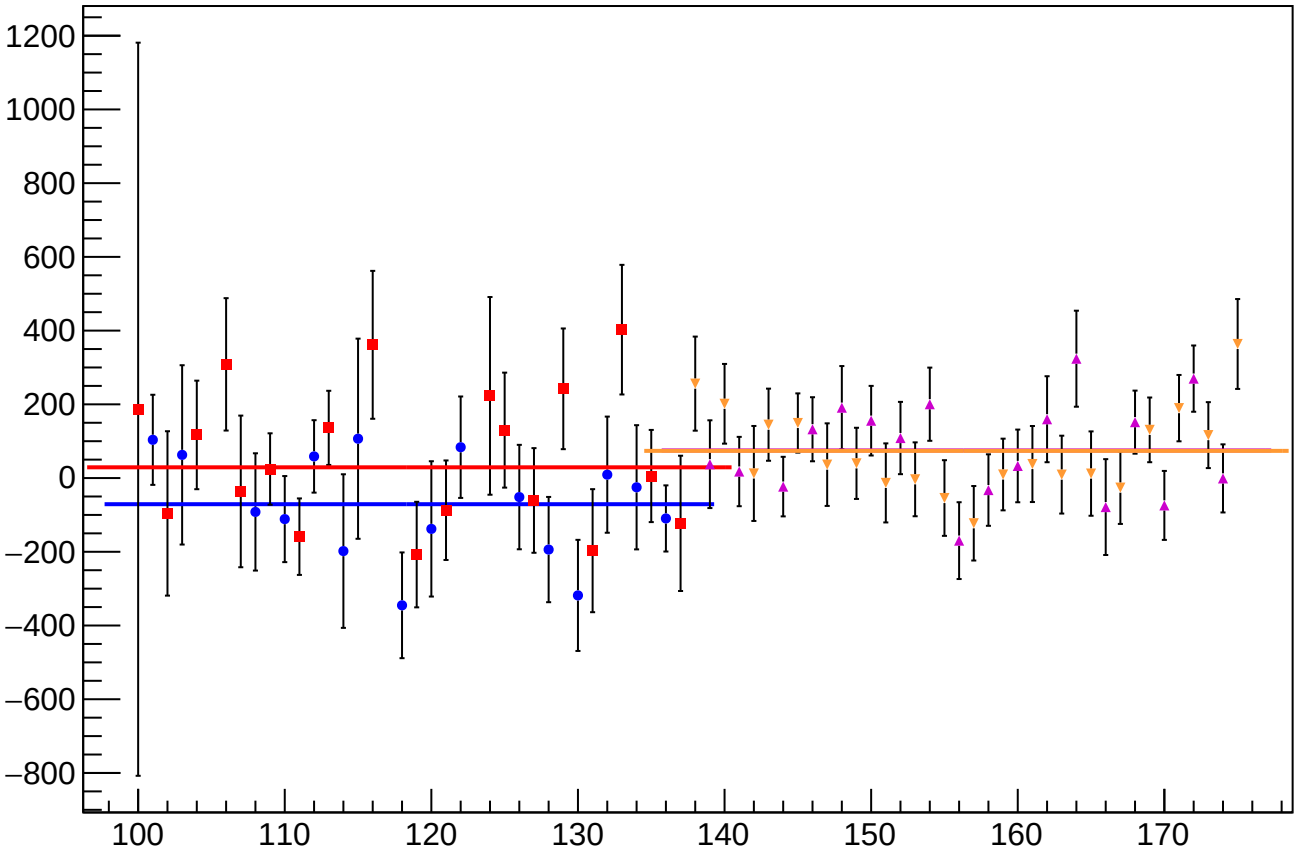
Left: 787.875+/-0.103 χ^2/NDF: 2178516.4/37

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 841.398+/-0.131 χ^2/NDF:2894788.9/33

Out: 843.878+/-0.128 χ^2/NDF:2970215.9/38

All: 842.668+/-0.092 χ^2/NDF: 5865187.3/72



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 74.963+/-23.248 χ^2/NDF:27.1/17

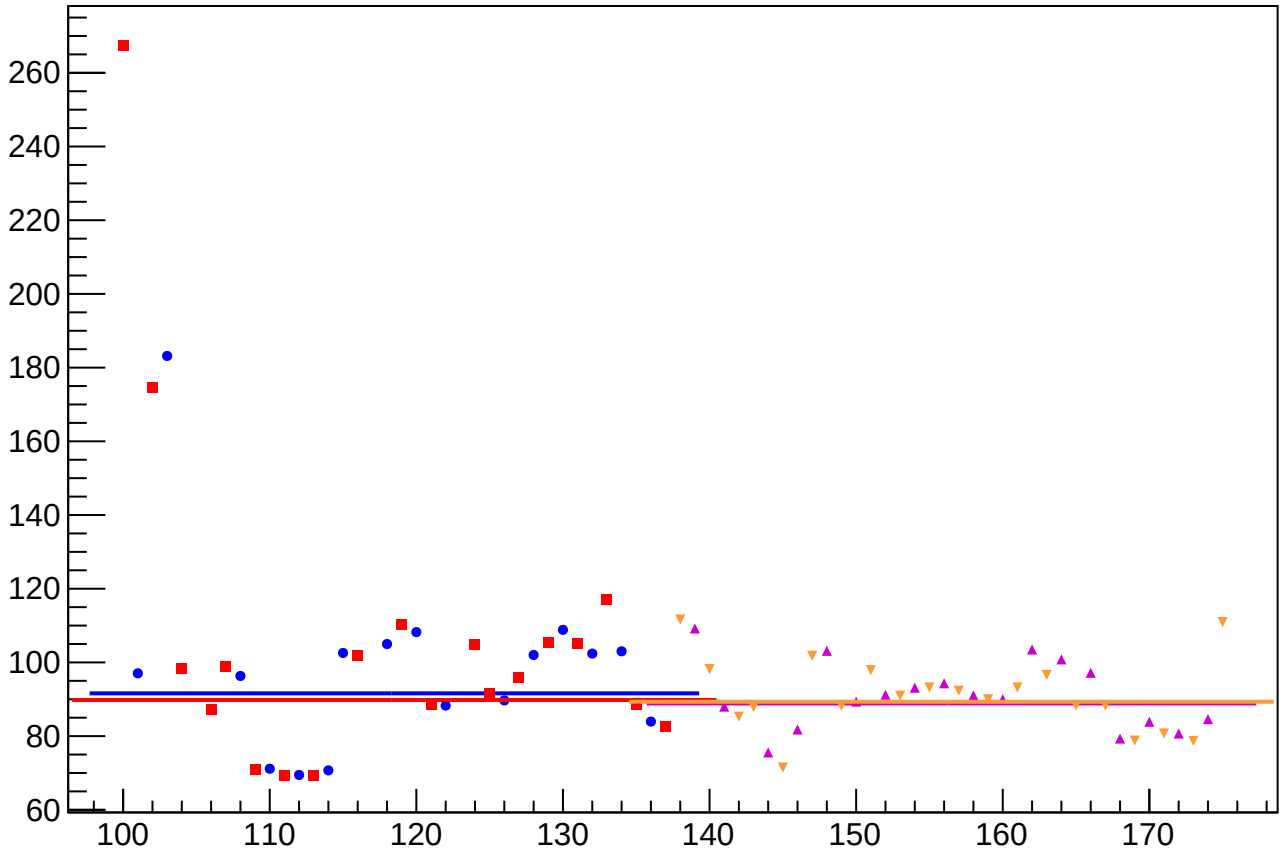
Left: 74.348+/-16.227 χ^2/NDF: 49.2/37

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.522+/-19.386 χ^2/NDF:53.1/33

Out: 60.182+/-18.898 χ^2/NDF:47.2/38

All: 45.730+/-13.532 χ^2/NDF: 101.6/72



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

Left: 89.100+/-0.011 χ^2/NDF: 647705.5/37

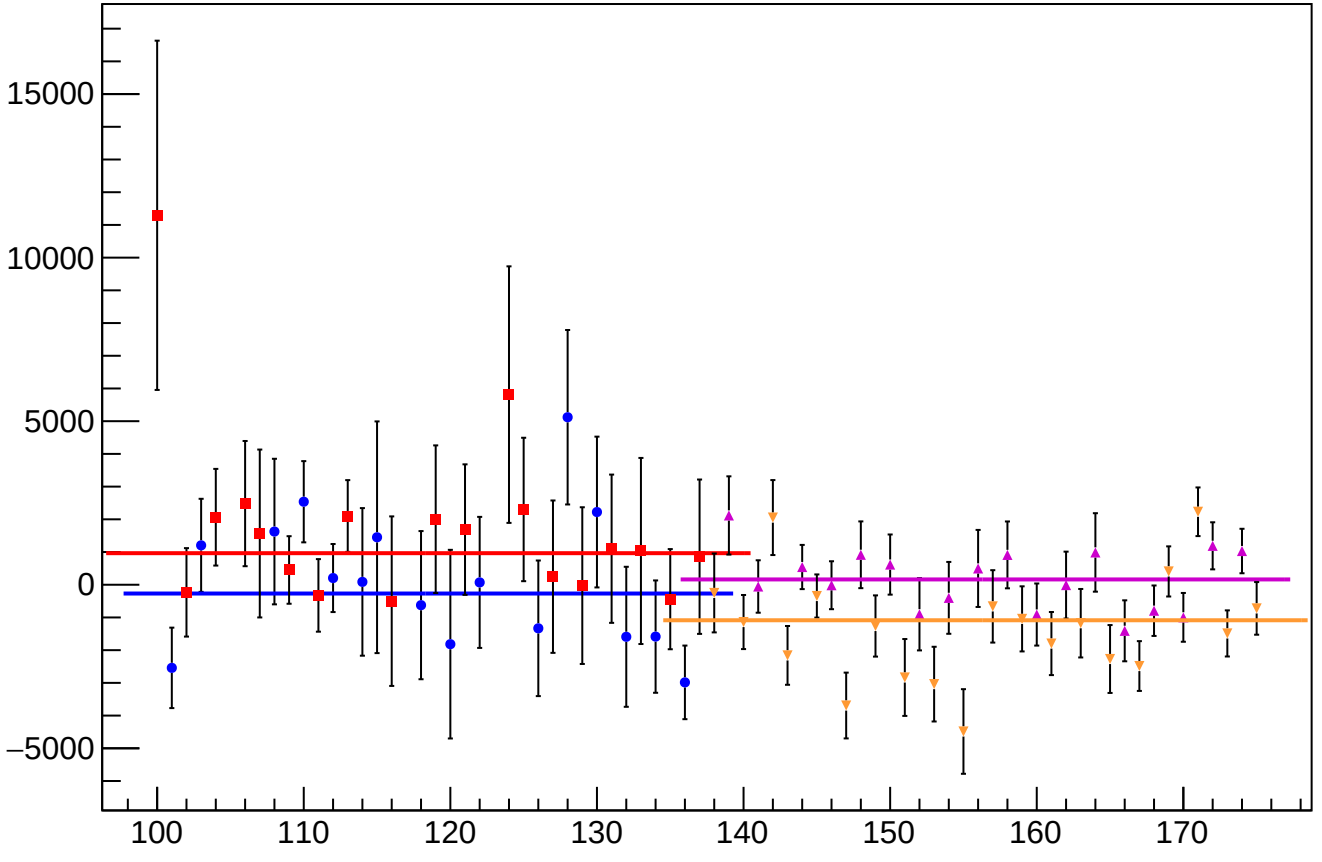
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.694+/-0.014 χ^2/NDF:866698.0/33

Out: 89.476+/-0.013 χ^2/NDF:1116896.6/38

All: 89.582+/-0.010 χ^2/NDF: 1983724.1/72

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 162.308+/-207.314 χ^2/NDF:18.0/17

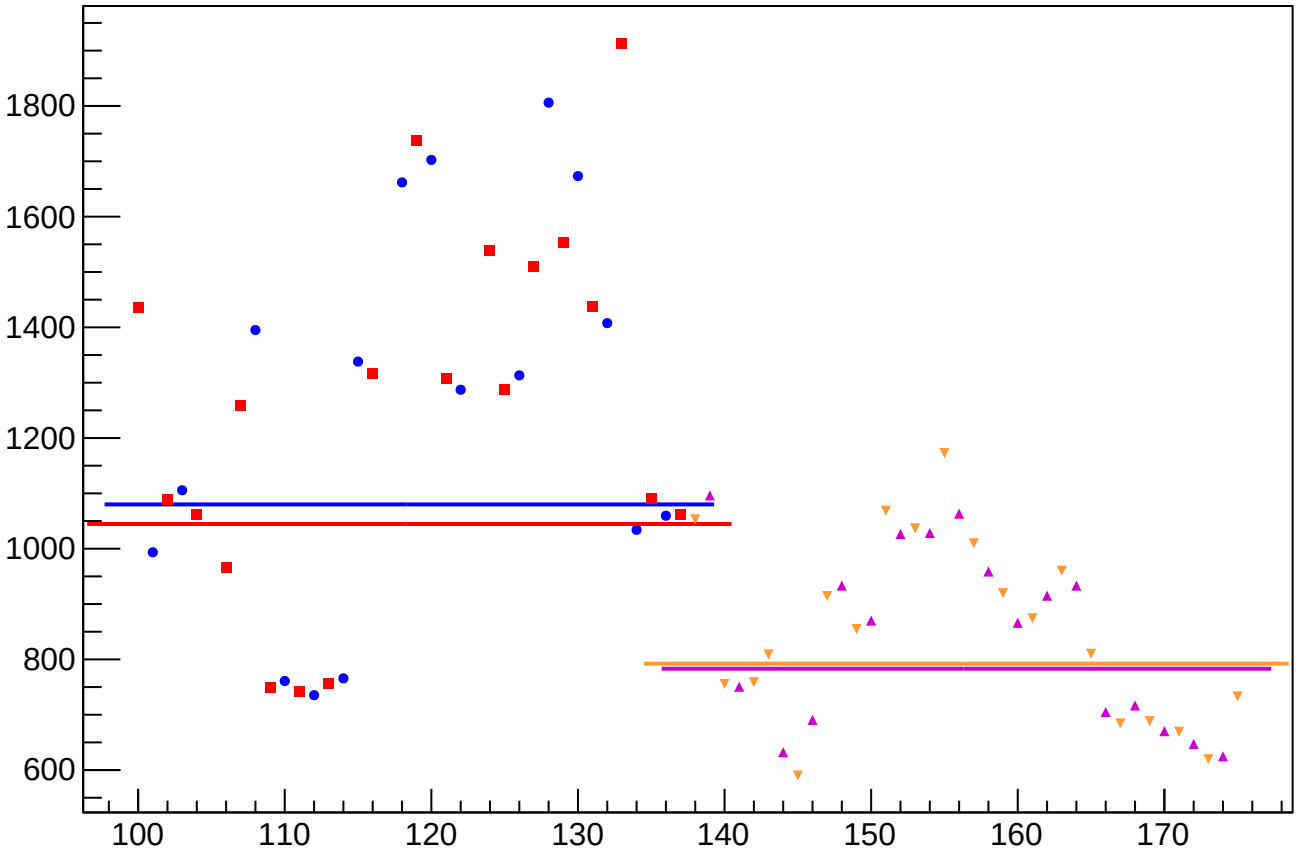
Left: -474.033+/-145.143 χ^2/NDF: 95.5/37

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 77.771+/-185.864 χ^2/NDF:42.3/33

Out: -667.613+/-181.367 χ^2/NDF:91.9/38

All: -304.047+/-129.806 χ^2/NDF: 142.4/72



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

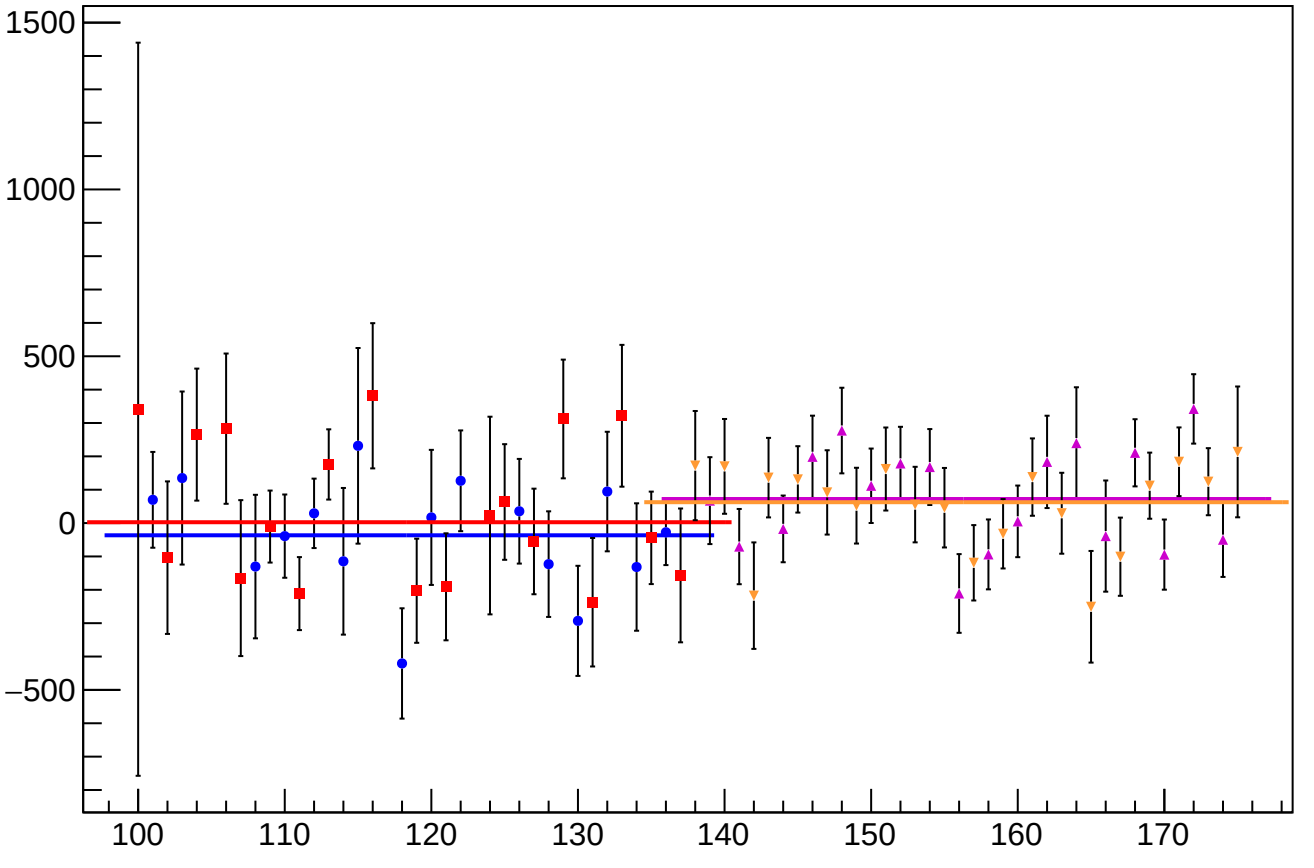
Left: 787.875+/-0.103 χ^2/NDF: 2178516.4/37

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 841.398+/-0.131 χ^2/NDF:2894788.9/33

Out: 843.878+/-0.128 χ^2/NDF:2970215.9/38

All: 842.668+/-0.092 χ^2/NDF: 5865187.3/72



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 62.602+/-26.787 χ^2/NDF:17.6/19

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 72.148+/-27.315 χ^2/NDF:30.9/17

Left: 67.282+/-19.125 χ^2/NDF: 48.6/37

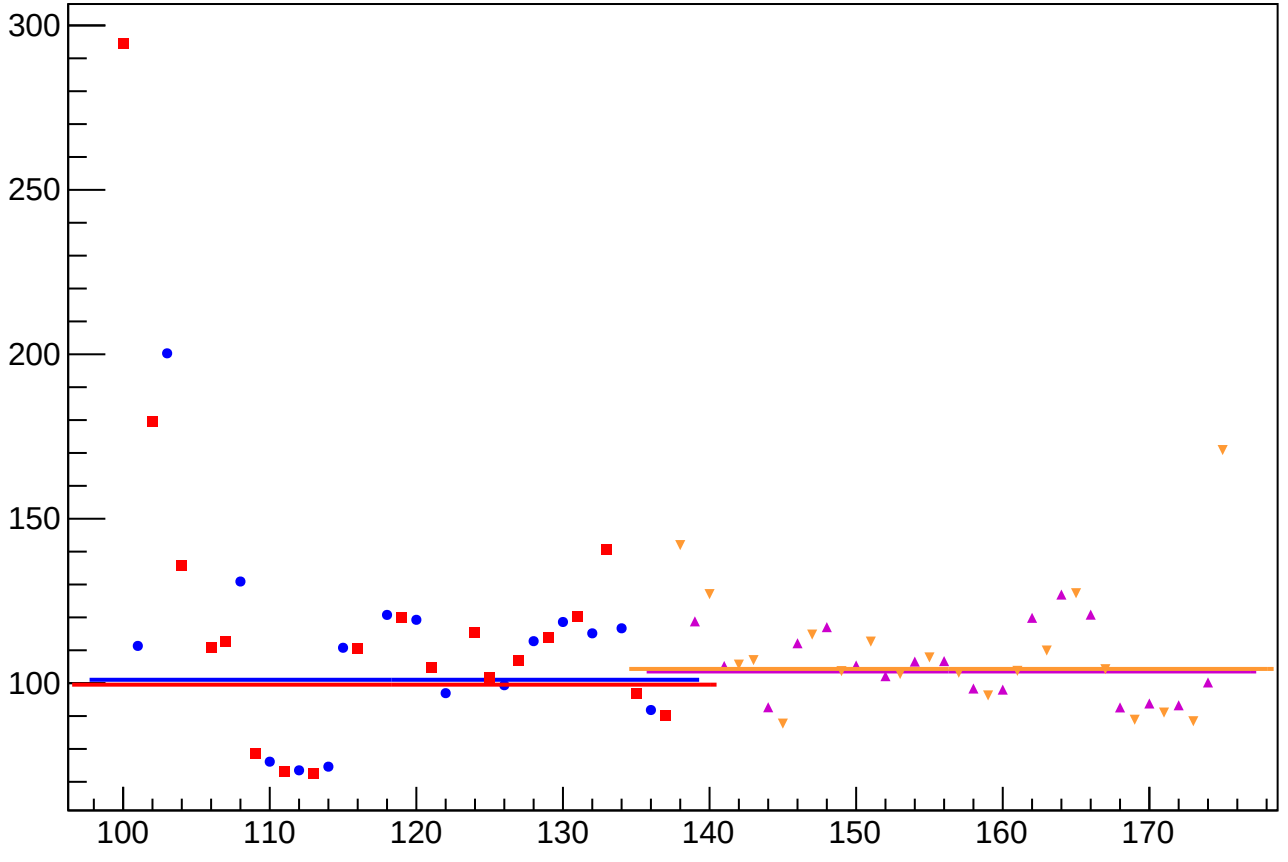
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 36.351+/-22.372 χ^2/NDF:49.0/33

Out: 42.788+/-21.925 χ^2/NDF:44.0/38

All: 39.634+/-15.659 χ^2/NDF: 93.1/72

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.329+/-0.019 χ^2/NDF:655711.8/19

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.7/17

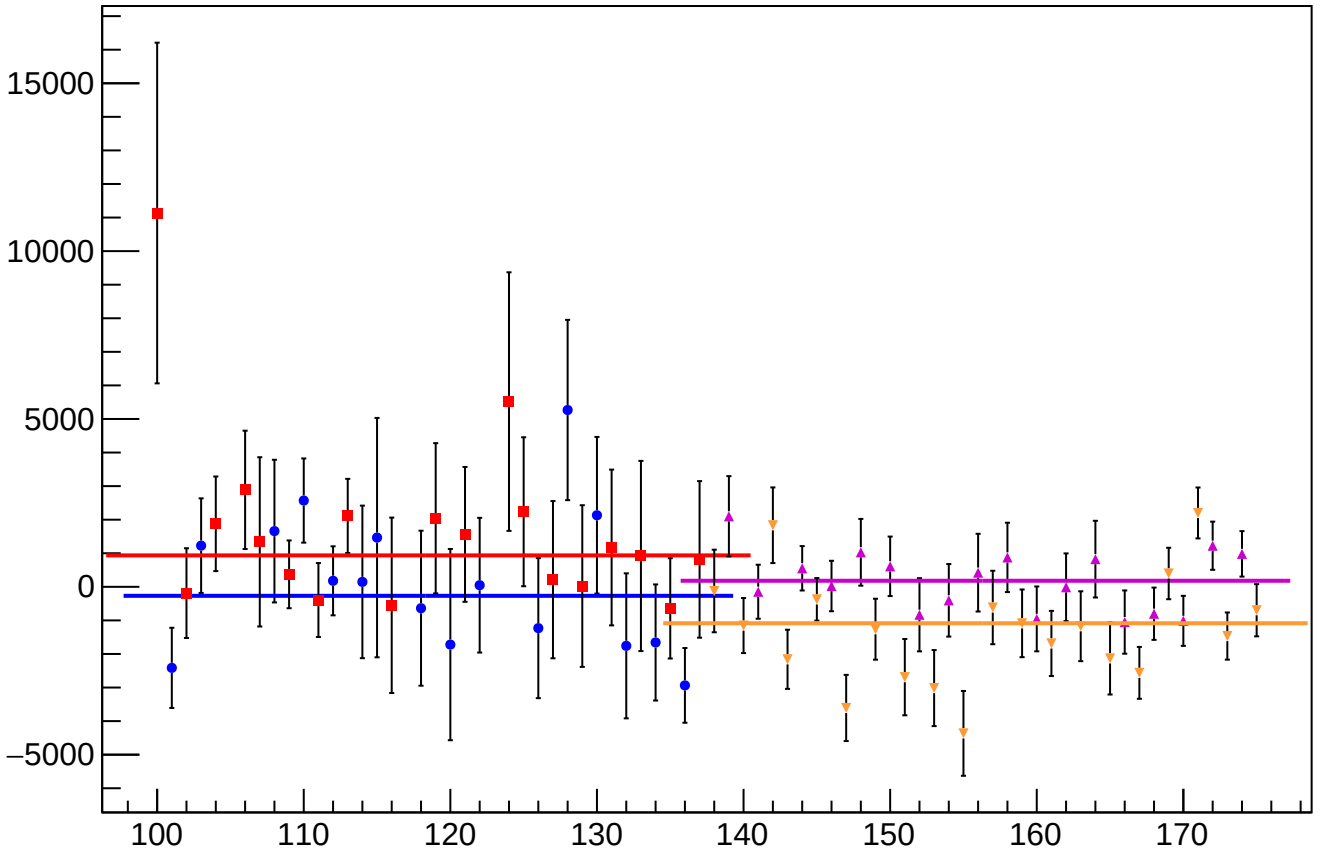
Left: 103.949+/-0.014 χ^2/NDF: 904070.0/37

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.723+/-0.016 χ^2/NDF:969243.7/33

Out: 102.751+/-0.016 χ^2/NDF:1557244.0/38

All: 102.737+/-0.011 χ^2/NDF: 2526489.3/72



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.779+/-201.615 χ^2/NDF:56.6/19

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.668+/-206.314 χ^2/NDF:16.8/17

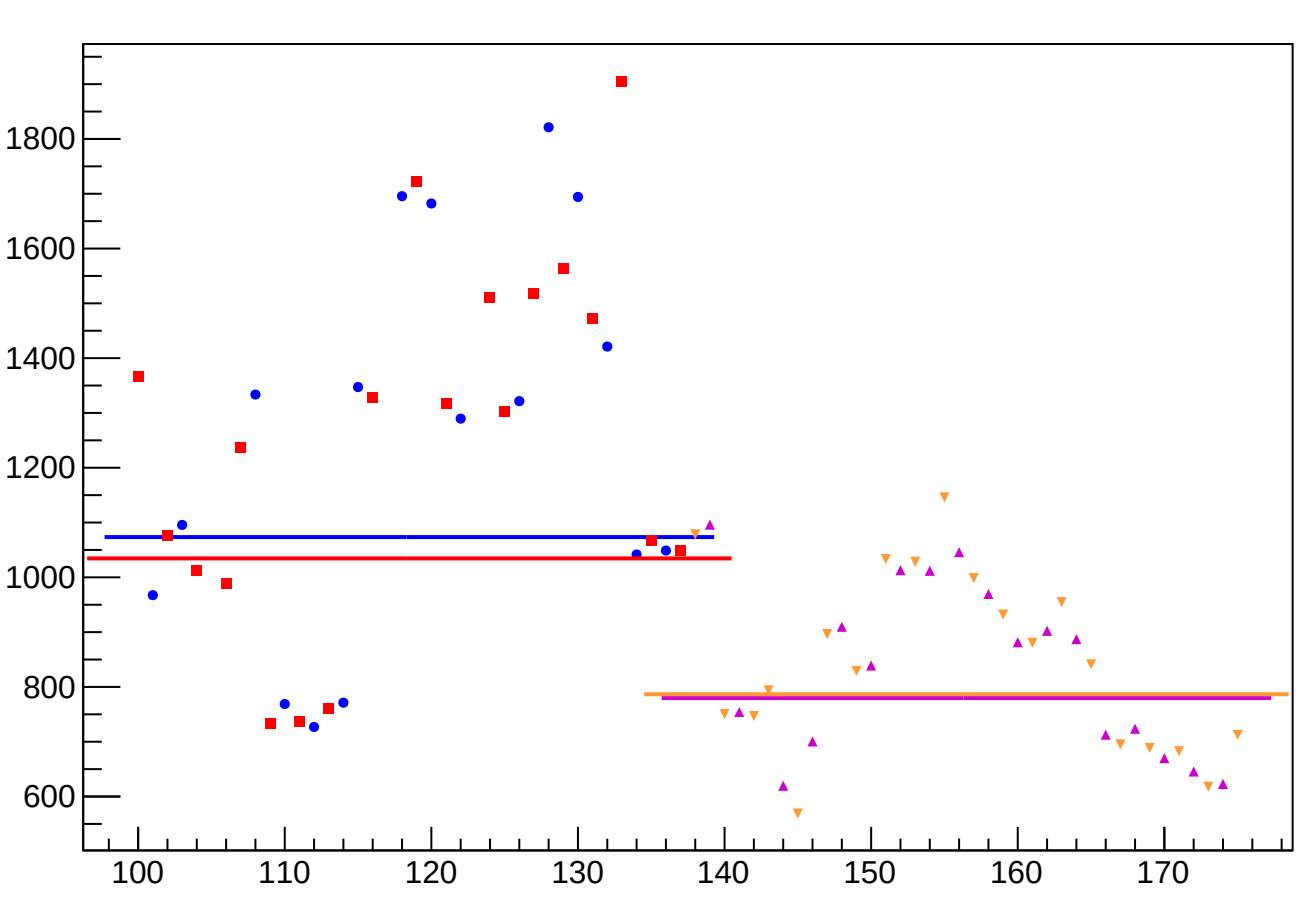
Left: -466.629+/-144.196 χ^2/NDF: 92.6/37

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 92.481+/-184.924 χ^2/NDF:41.2/33

Out: -669.036+/-179.691 χ^2/NDF:90.4/38

All: -299.204+/-128.871 χ^2/NDF: 140.3/72



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 786.666+/-0.143 χ^2/NDF:1155954.7/19

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 779.690+/-0.146 χ^2/NDF:992235.9/17

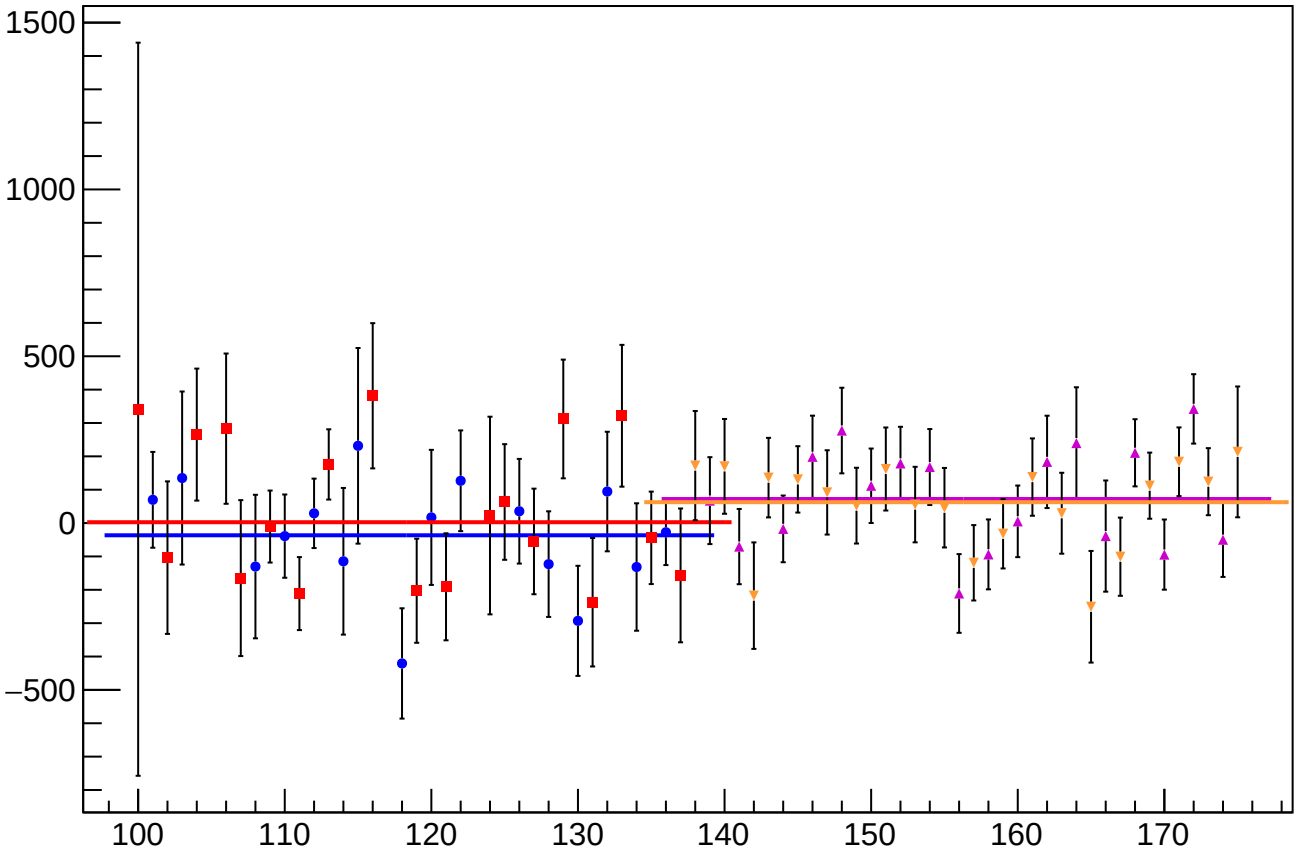
Left: 783.258+/-0.102 χ^2/NDF: 2149360.1/37

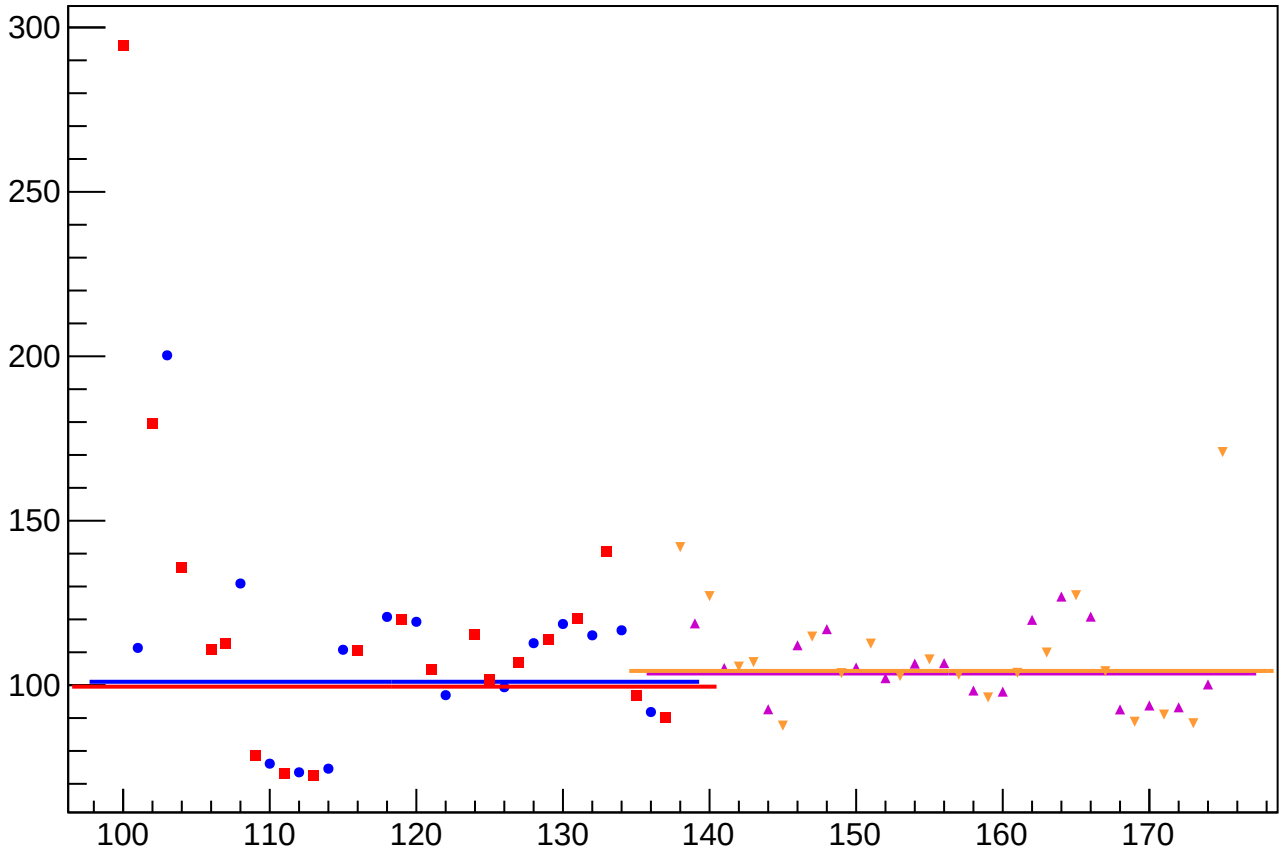
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 837.445+/-0.131 χ^2/NDF:2866481.6/33

Out: 837.643+/-0.127 χ^2/NDF:3006993.2/38

All: 837.547+/-0.091 χ^2/NDF: 5873476.0/72


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 62.604+/-26.787 χ²/NDF:17.6/19
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 72.148+/-27.315 χ²/NDF:30.9/17
Left: 67.283+/-19.125 χ²/NDF: 48.6/37
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 36.351+/-22.372 χ²/NDF:49.0/33
Out: 42.789+/-21.925 χ²/NDF:44.0/38
All: 39.635+/-15.659 χ²/NDF: 93.1/72



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.329+/-0.019 χ^2/NDF:655707.7/19

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.9/17

Left: 103.949+/-0.014 χ^2/NDF: 904066.3/37

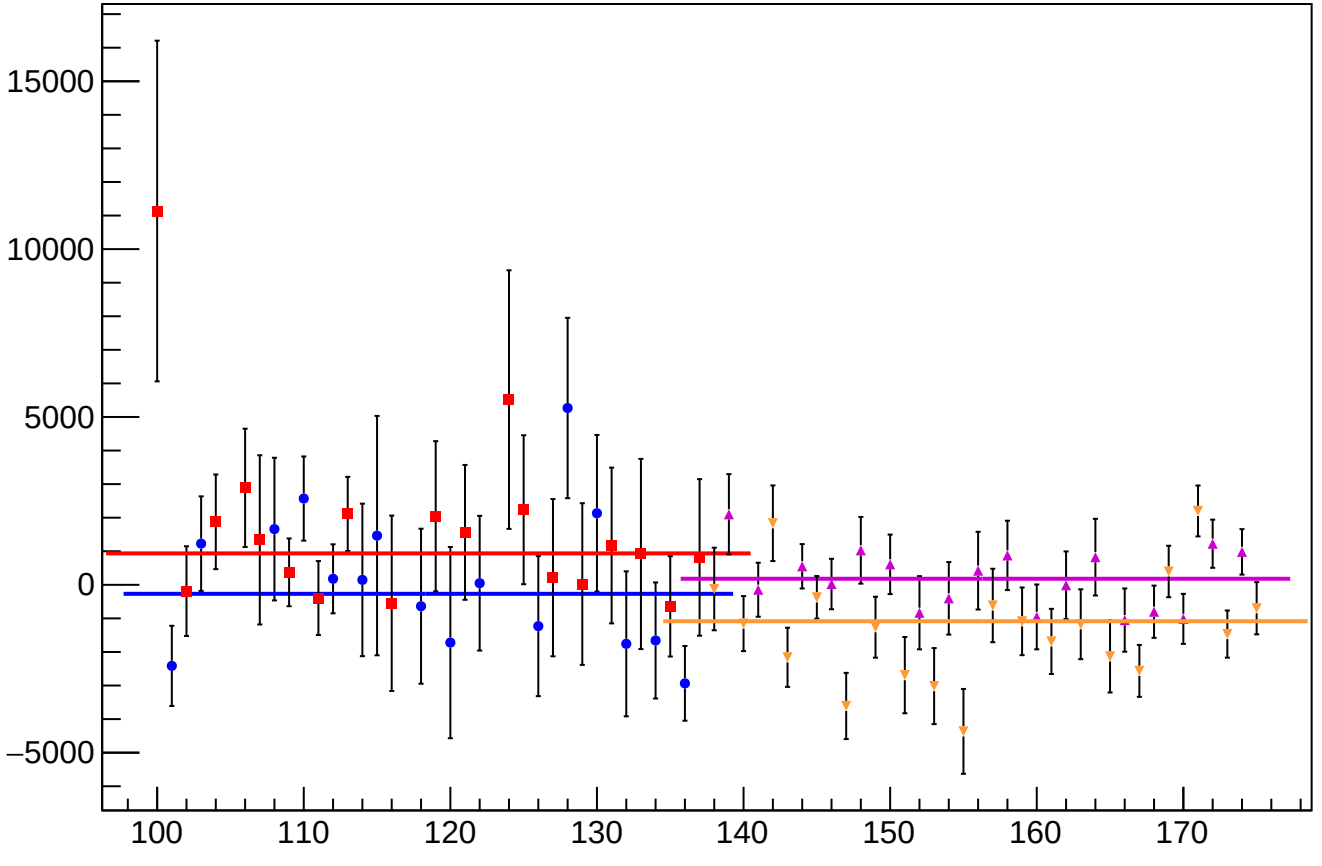
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.723+/-0.016 χ^2/NDF:969243.5/33

Out: 102.751+/-0.016 χ^2/NDF:1557243.9/38

All: 102.737+/-0.011 χ^2/NDF: 2526489.0/72

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.778+/-201.615 χ^2/NDF:56.6/19

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.666+/-206.313 χ^2/NDF:16.8/17

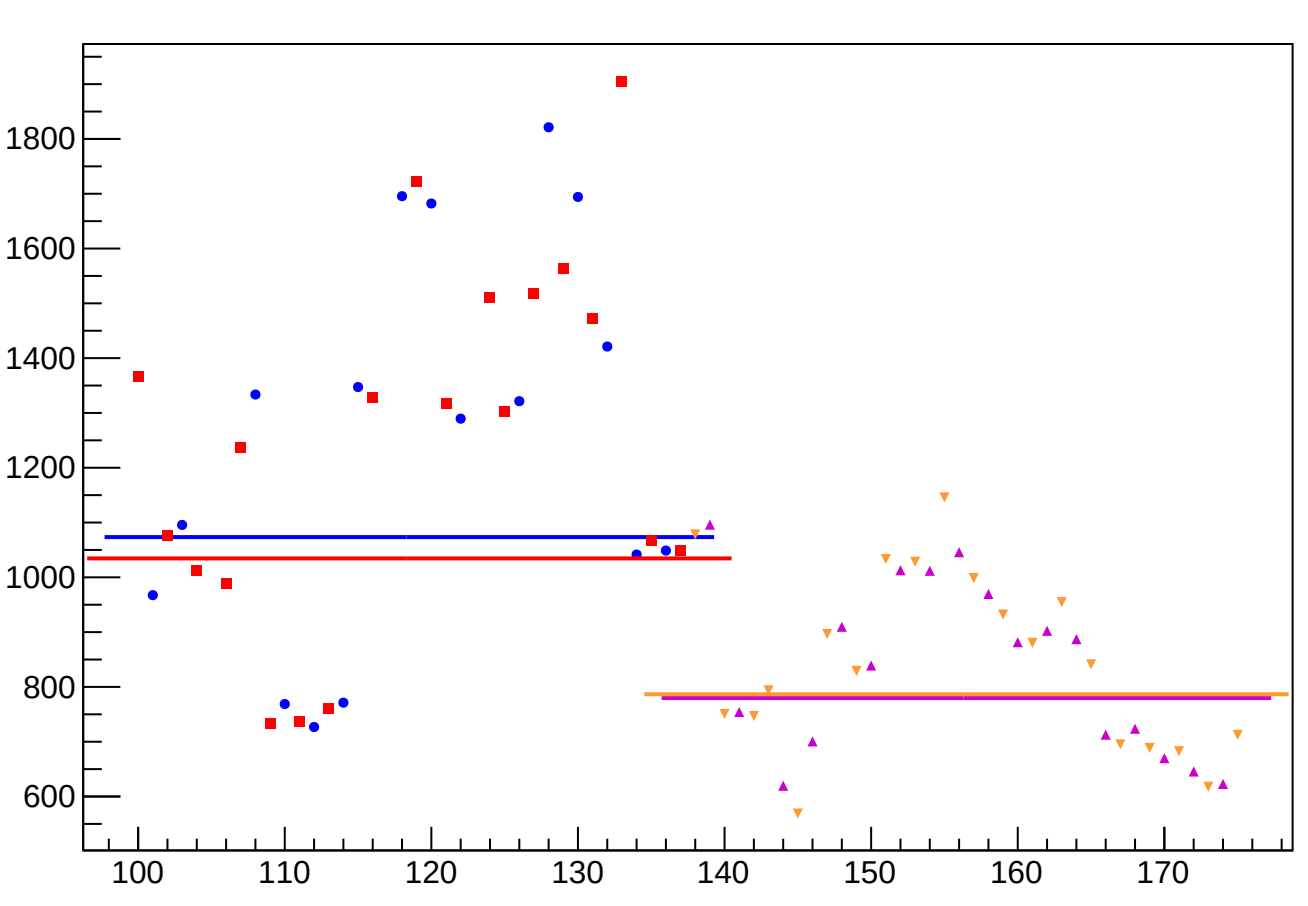
Left: -466.629+/-144.196 χ^2/NDF: 92.6/37

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 92.481+/-184.924 χ^2/NDF:41.2/33

Out: -669.035+/-179.691 χ^2/NDF:90.4/38

All: -299.204+/-128.871 χ^2/NDF: 140.3/72



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 786.665+/-0.143 χ^2/NDF:1155958.0/19

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 779.689+/-0.146 χ^2/NDF:992237.4/17

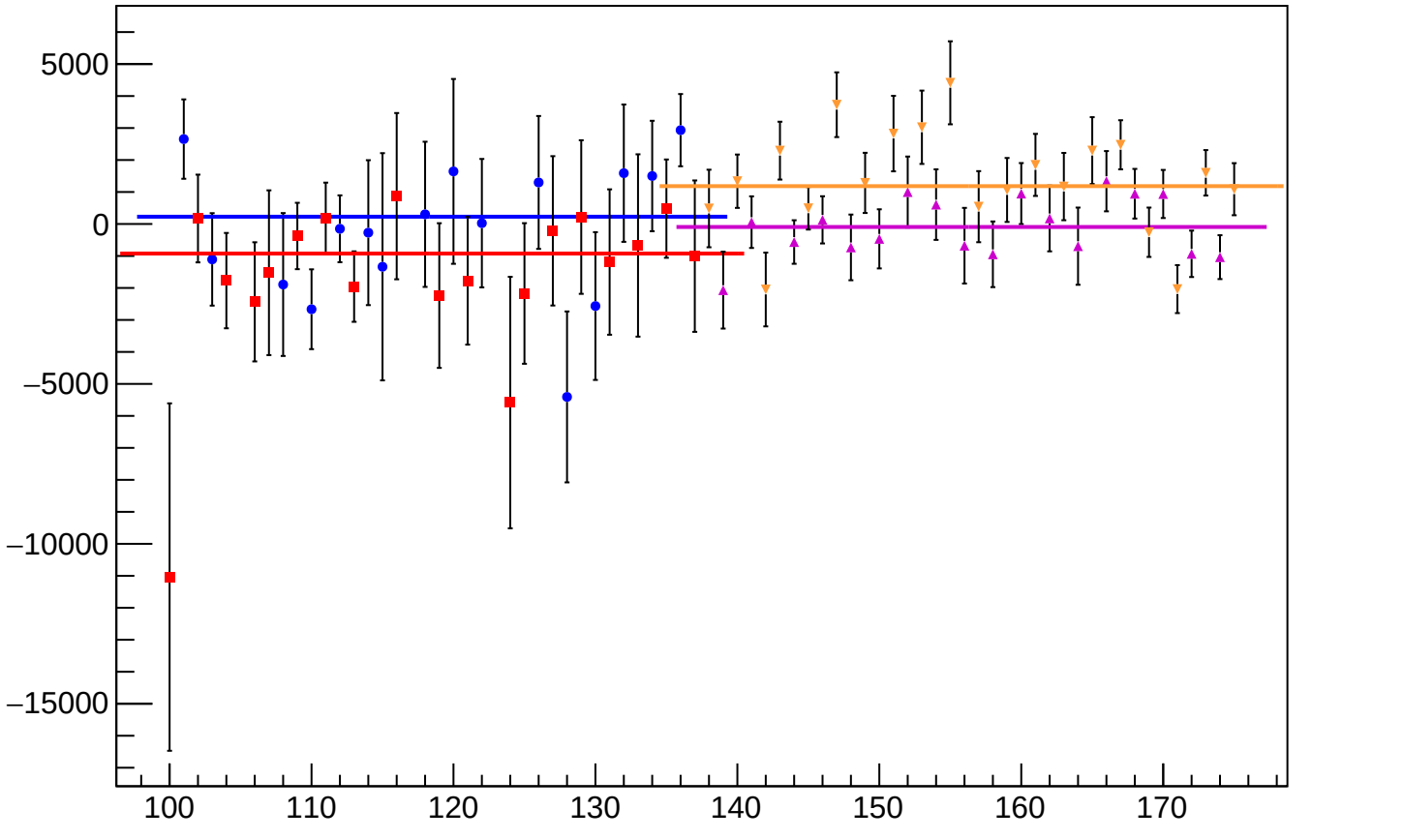
Left: 783.257+/-0.102 χ^2/NDF: 2149364.9/37

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 837.444+/-0.131 χ^2/NDF:2866487.8/33

Out: 837.641+/-0.127 χ^2/NDF:3006998.8/38

All: 837.545+/-0.091 χ^2/NDF: 5873487.8/72



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1182.936+/-204.675 χ^2/NDF:55.0/19

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -93.601+/-208.738 χ^2/NDF:16.9/17

Left: 557.210+/-146.142 χ^2/NDF: 90.9/37

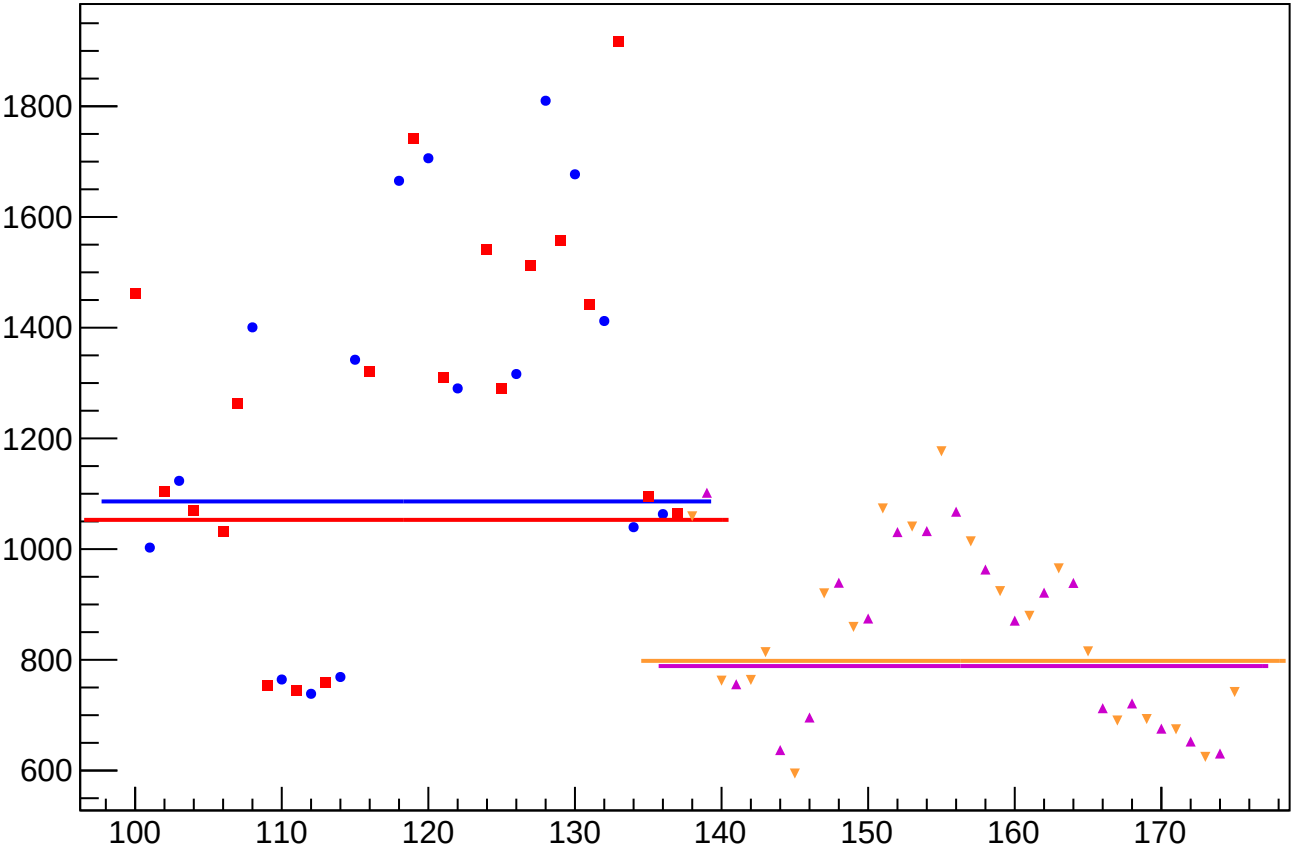
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -30.442+/-187.086 χ^2/NDF:41.8/33

Out: 751.154+/-182.498 χ^2/NDF:87.8/38

All: 370.058+/-130.637 χ^2/NDF: 138.6/72

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.120+/-0.145 χ^2/NDF:1124299.5/19

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 788.728+/-0.148 χ^2/NDF:1021435.7/17

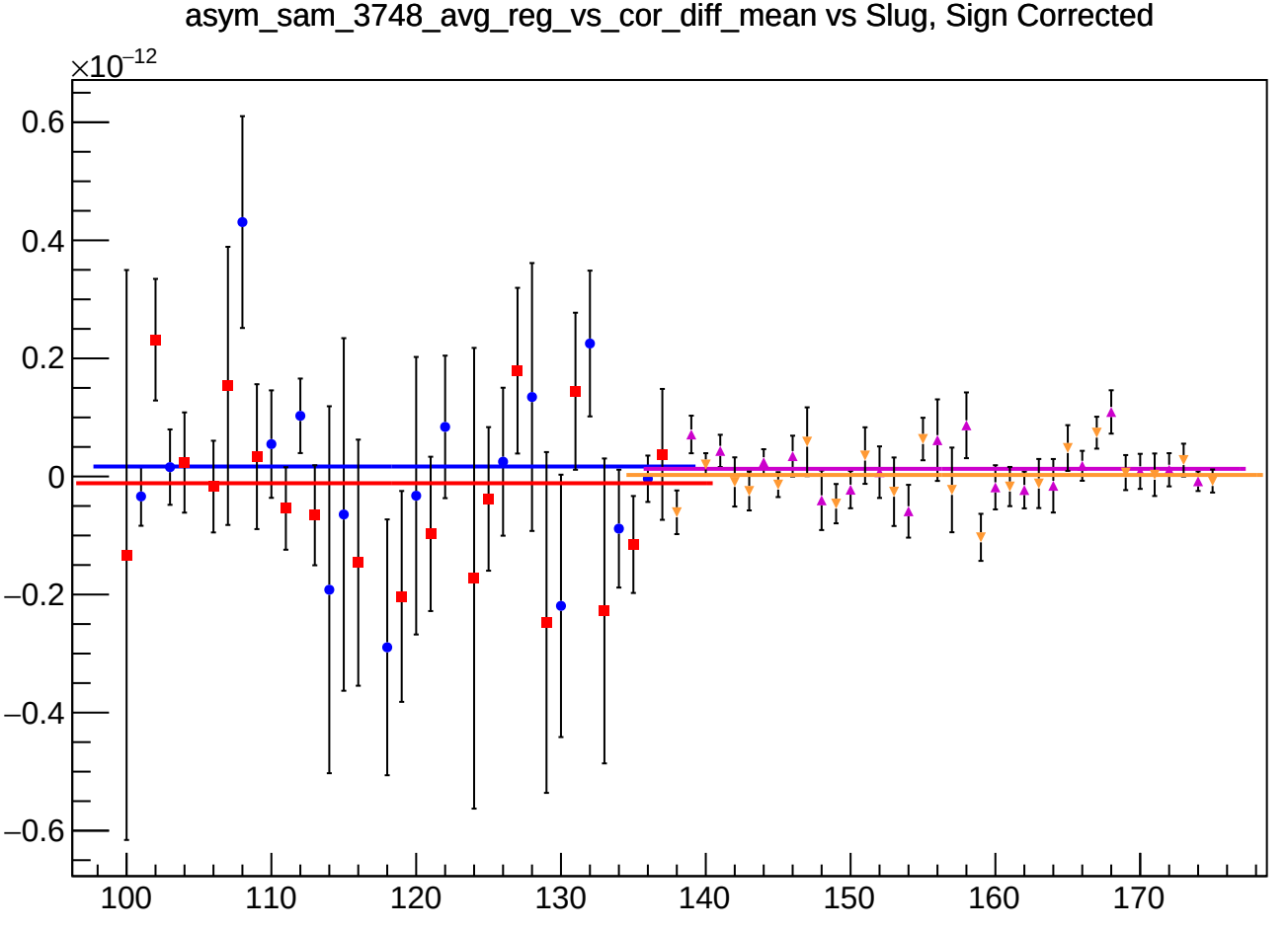
Left: 793.516+/-0.103 χ^2/NDF: 2147799.6/37

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 847.227+/-0.132 χ^2/NDF:2867515.1/33

Out: 850.328+/-0.129 χ^2/NDF:2953581.0/38

All: 848.816+/-0.092 χ^2/NDF: 5821377.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:23.4/17

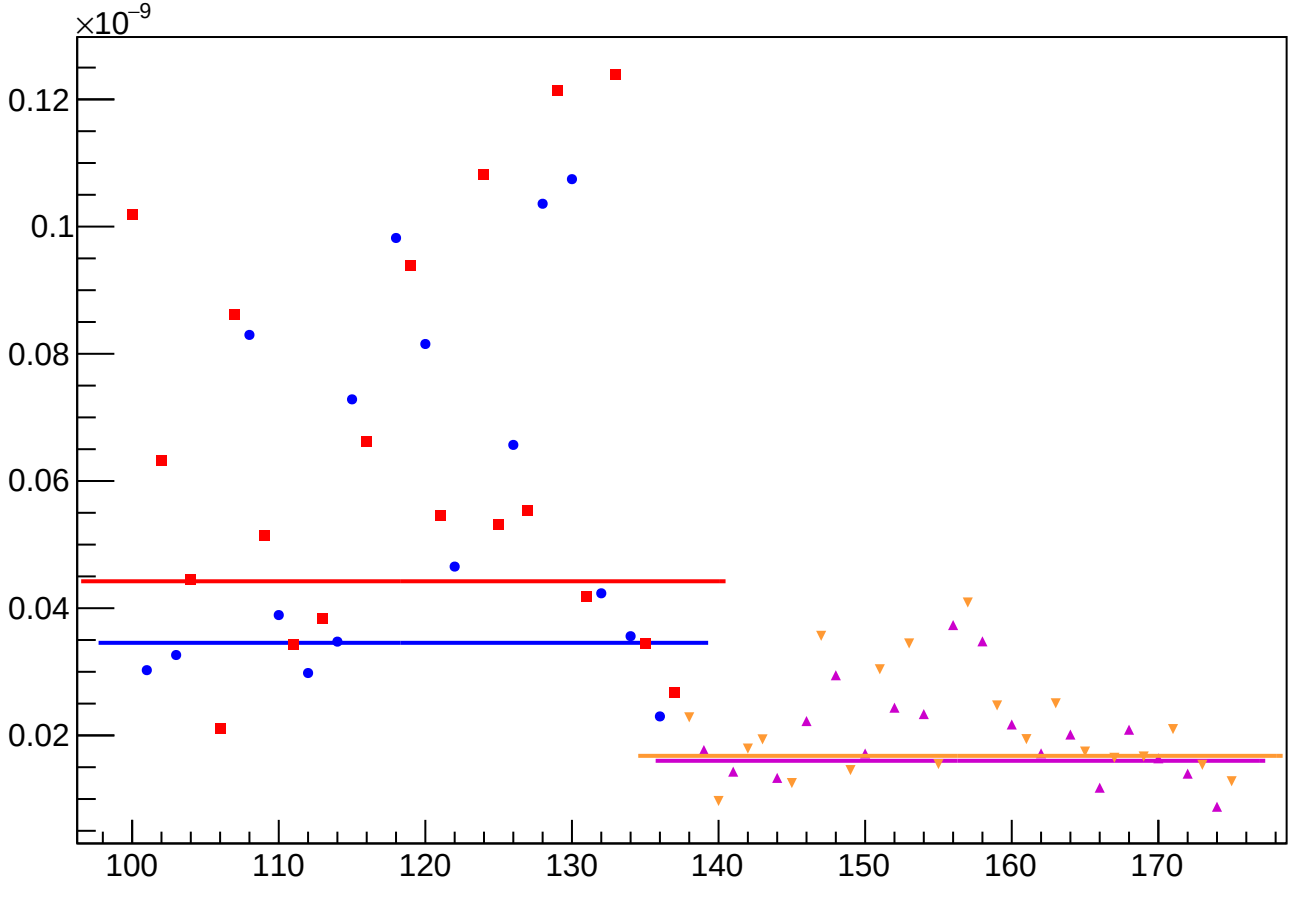
Left: 0.000+/-0.000 χ^2/NDF: 53.4/37

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:40.4/33

Out: 0.000+/-0.000 χ^2/NDF:45.0/38

All: 0.000+/-0.000 χ^2/NDF: 86.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505340.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1348218.9/17

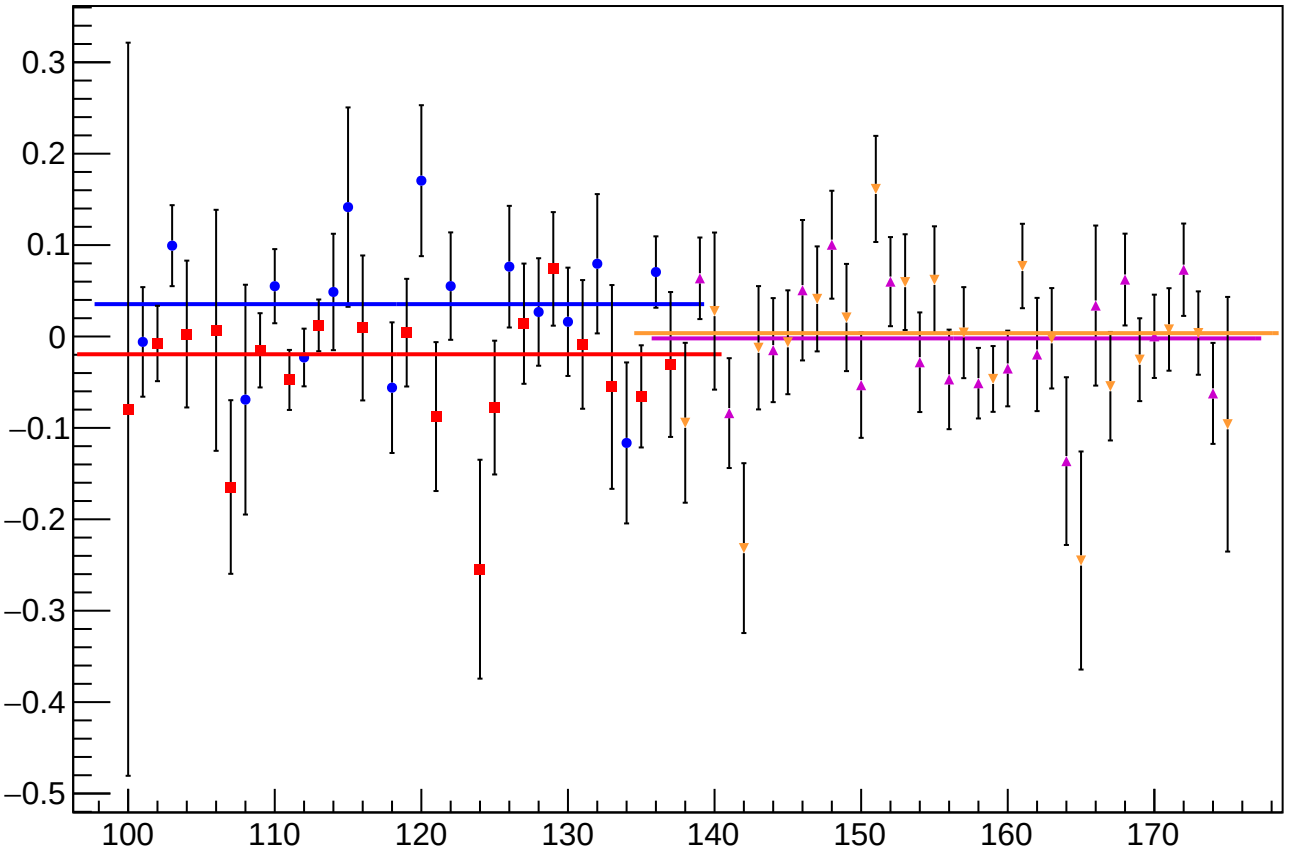
Left: 0.000+/-0.000 χ^2/NDF: 2865320.3/37

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:3836549.1/33

Out: 0.000+/-0.000 χ^2/NDF:4527035.4/38

All: 0.000+/-0.000 χ^2/NDF: 8373375.0/72



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

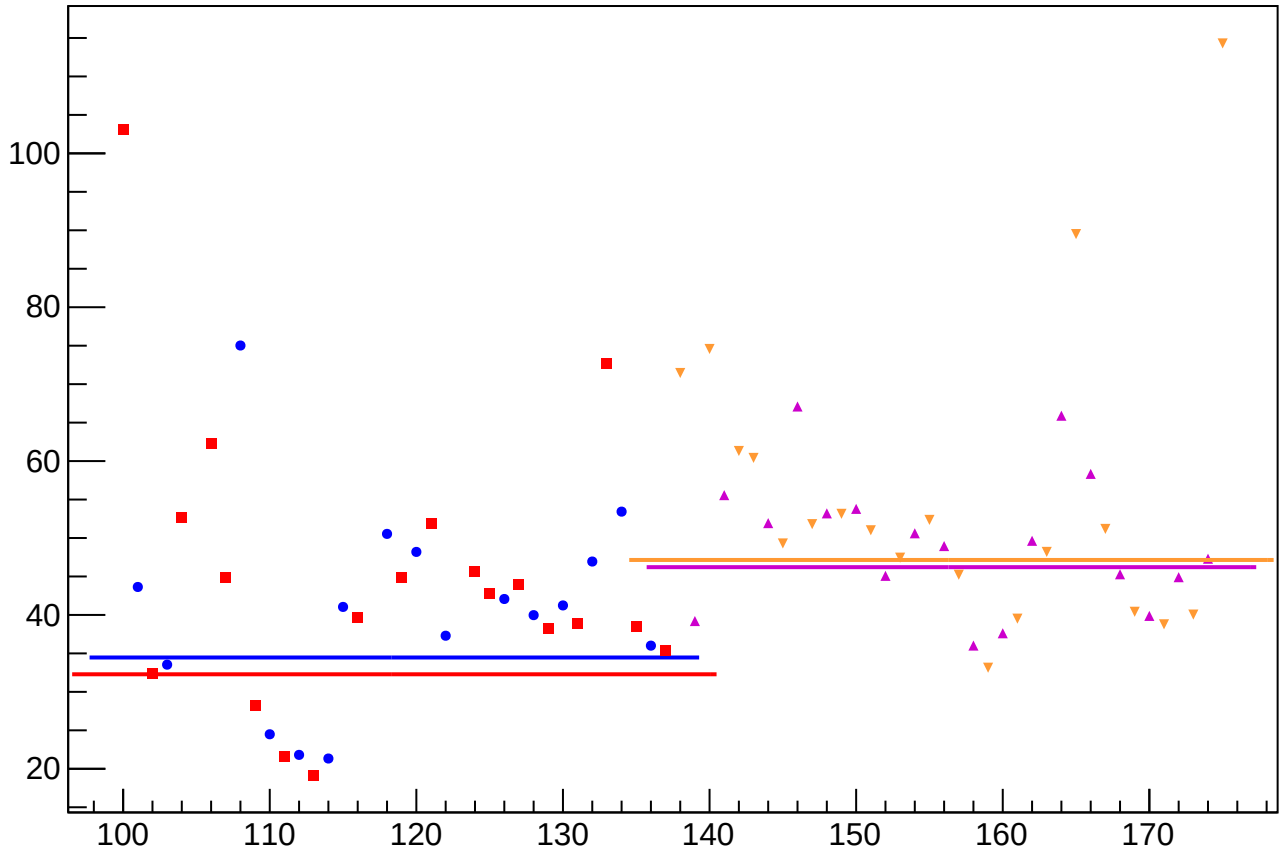
Left: 0.001+/-0.009 χ^2/NDF: 49.2/37

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.6/38

All: 0.003+/-0.007 χ^2/NDF: 88.0/72



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

Left: 46.678+/-0.006 χ^2/NDF: 2549255.0/37

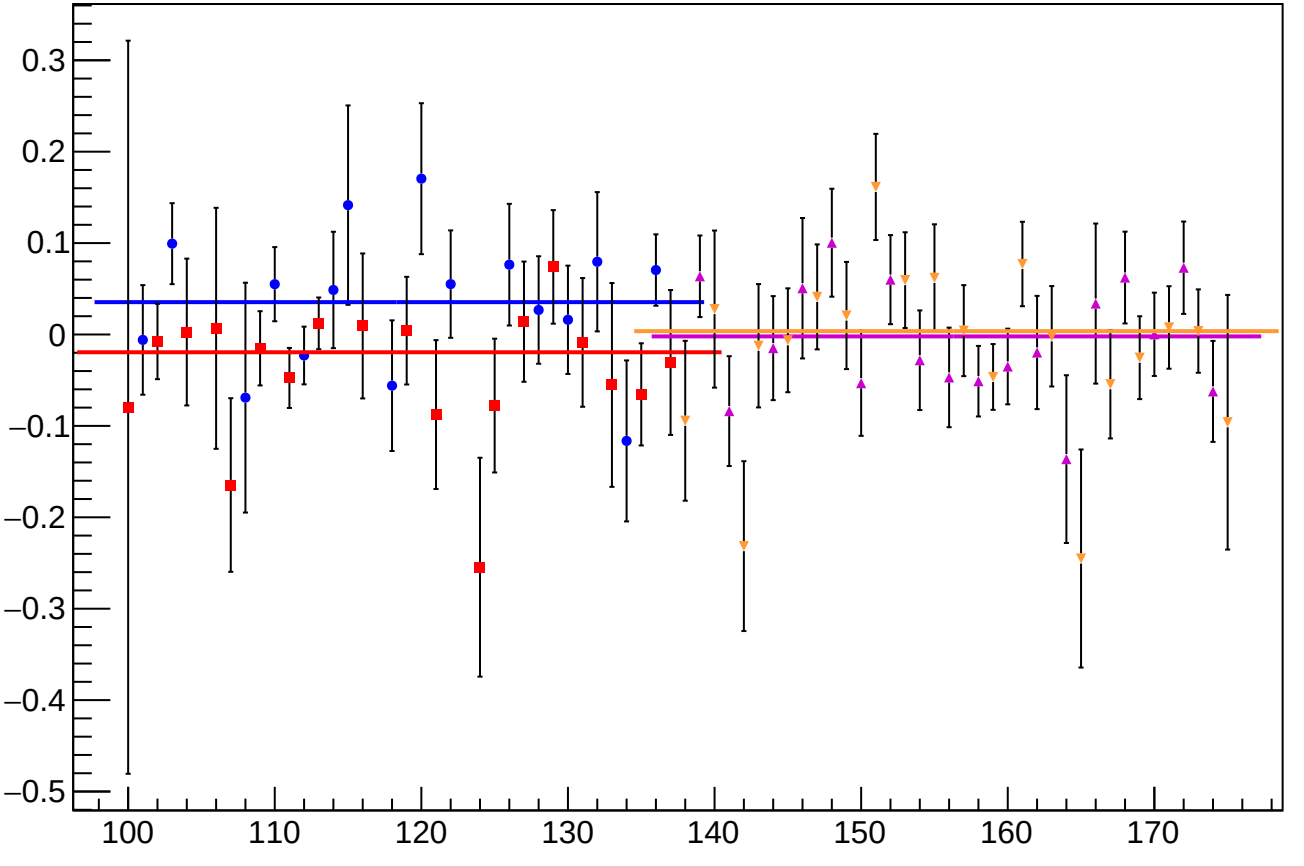
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.912+/-0.007 χ^2/NDF:2706858.8/33

Out: 40.017+/-0.006 χ^2/NDF:4799518.9/38

All: 40.453+/-0.005 χ^2/NDF: 7515809.2/72

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

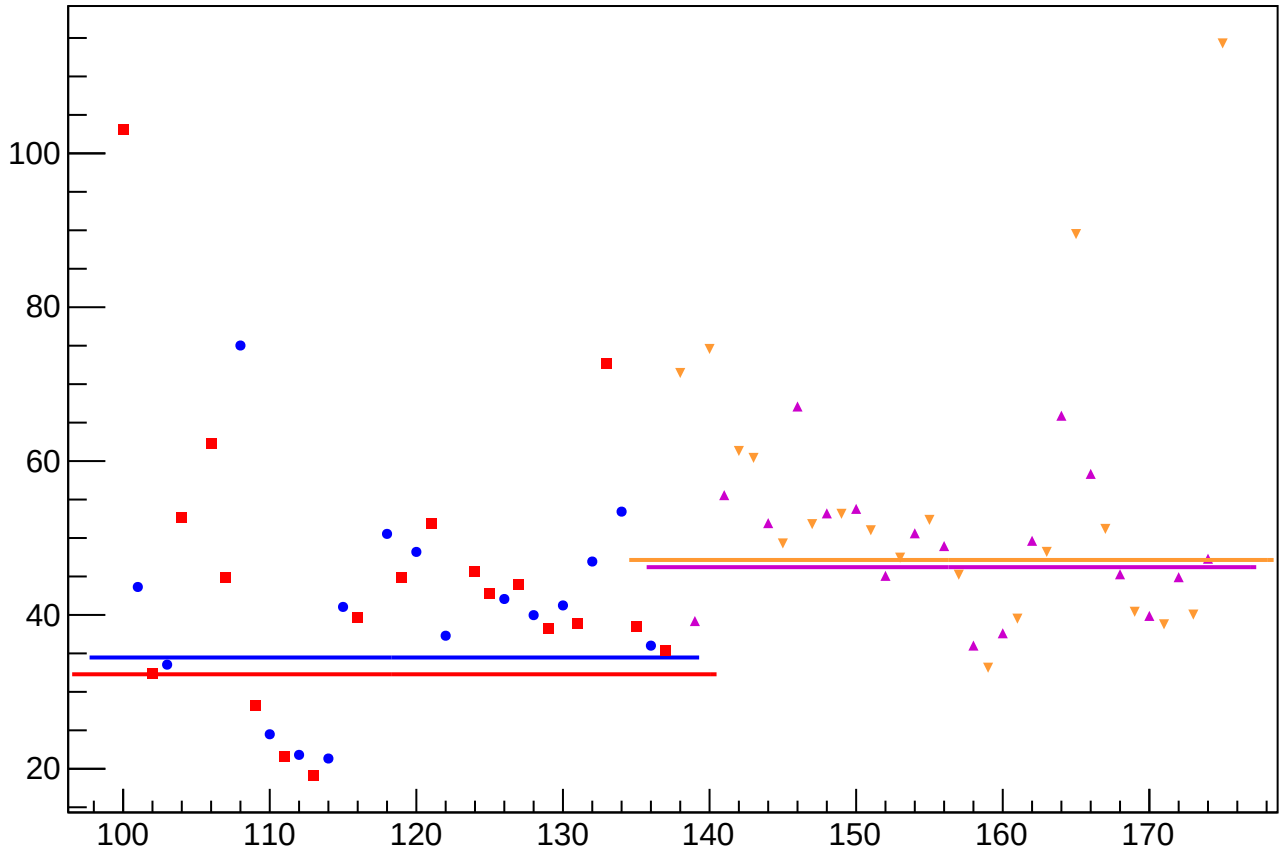
Left: 0.001+/-0.009 χ^2/NDF: 49.2/37

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.6/38

All: 0.003+/-0.007 χ^2/NDF: 88.0/72



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

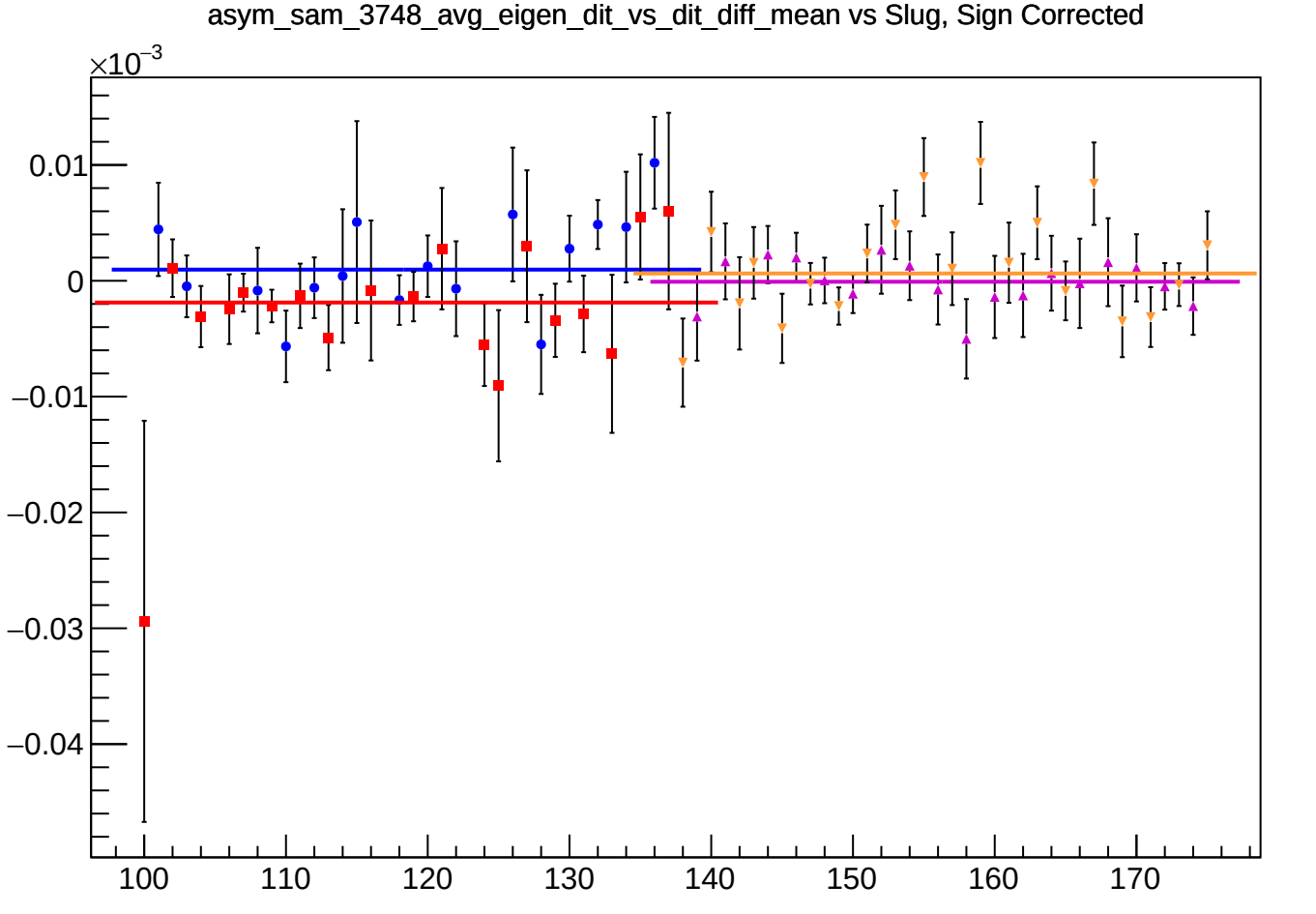
Left: 46.678+/-0.006 χ^2/NDF: 2549255.0/37

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.912+/-0.007 χ^2/NDF:2706858.8/33

Out: 40.017+/-0.006 χ^2/NDF:4799518.9/38

All: 40.453+/-0.005 χ^2/NDF: 7515809.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/17

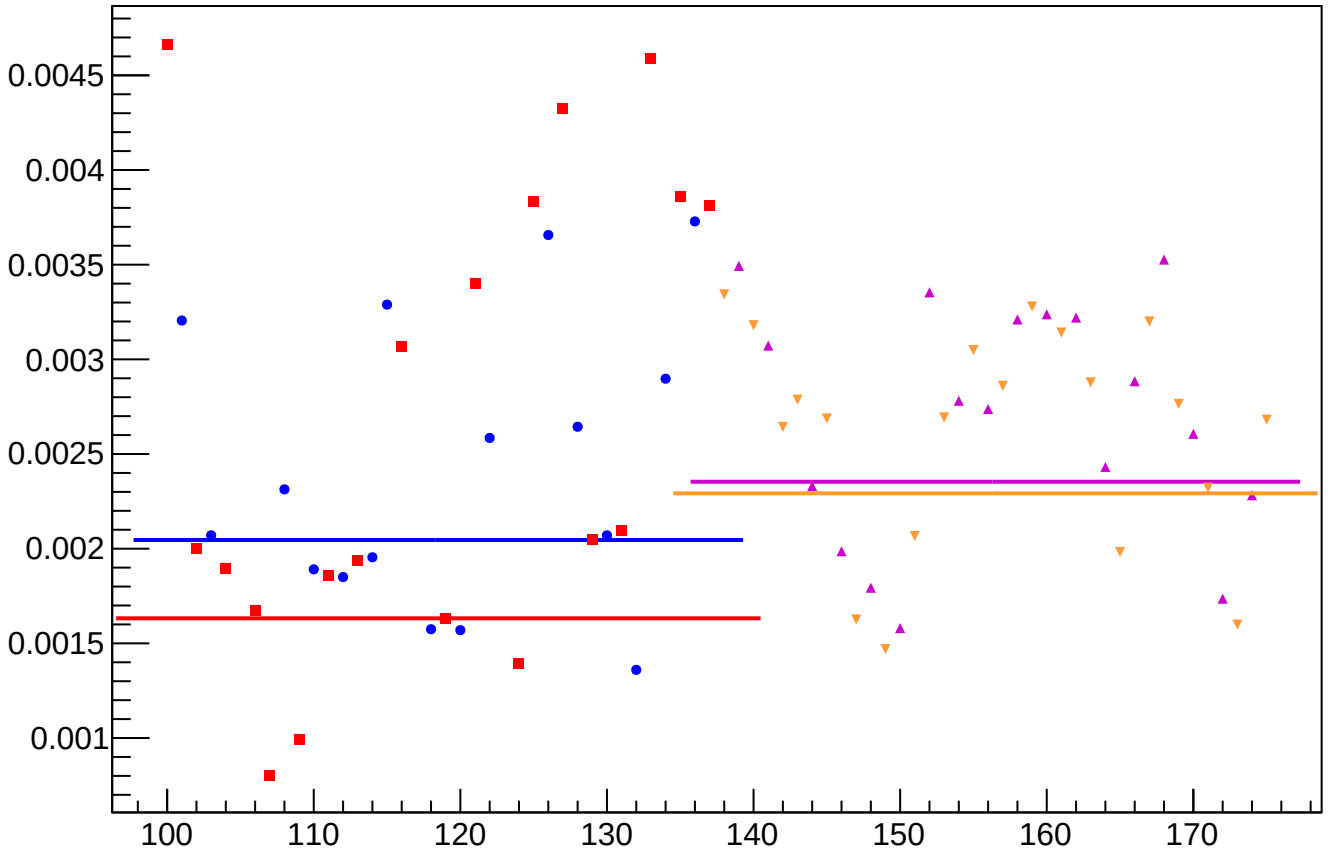
Left: 0.000+/-0.000 χ^2/NDF: 47.5/37

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:29.4/33

Out: -0.000+/-0.000 χ^2/NDF:60.0/38

All: -0.000+/-0.000 χ^2/NDF: 90.8/72



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2274275.6/19

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1939579.5/17

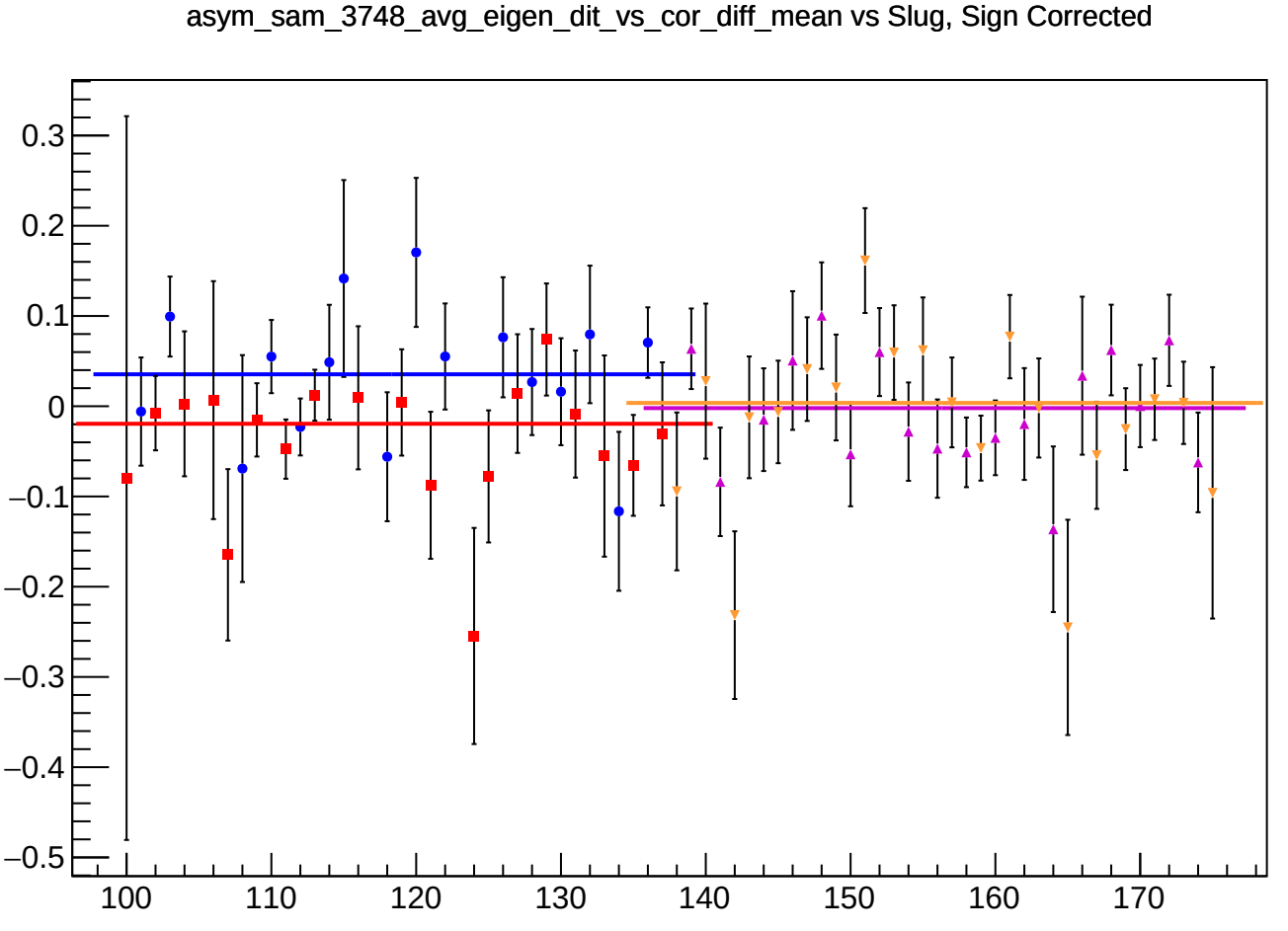
Left: 0.002+/-0.000 χ^2/NDF: 4223619.6/37

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3378524.7/33

Out: 0.002+/-0.000 χ^2/NDF:6276656.5/38

All: 0.002+/-0.000 χ^2/NDF: 9906293.5/72



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

Left: 0.001+/-0.009 χ^2/NDF: 49.2/37

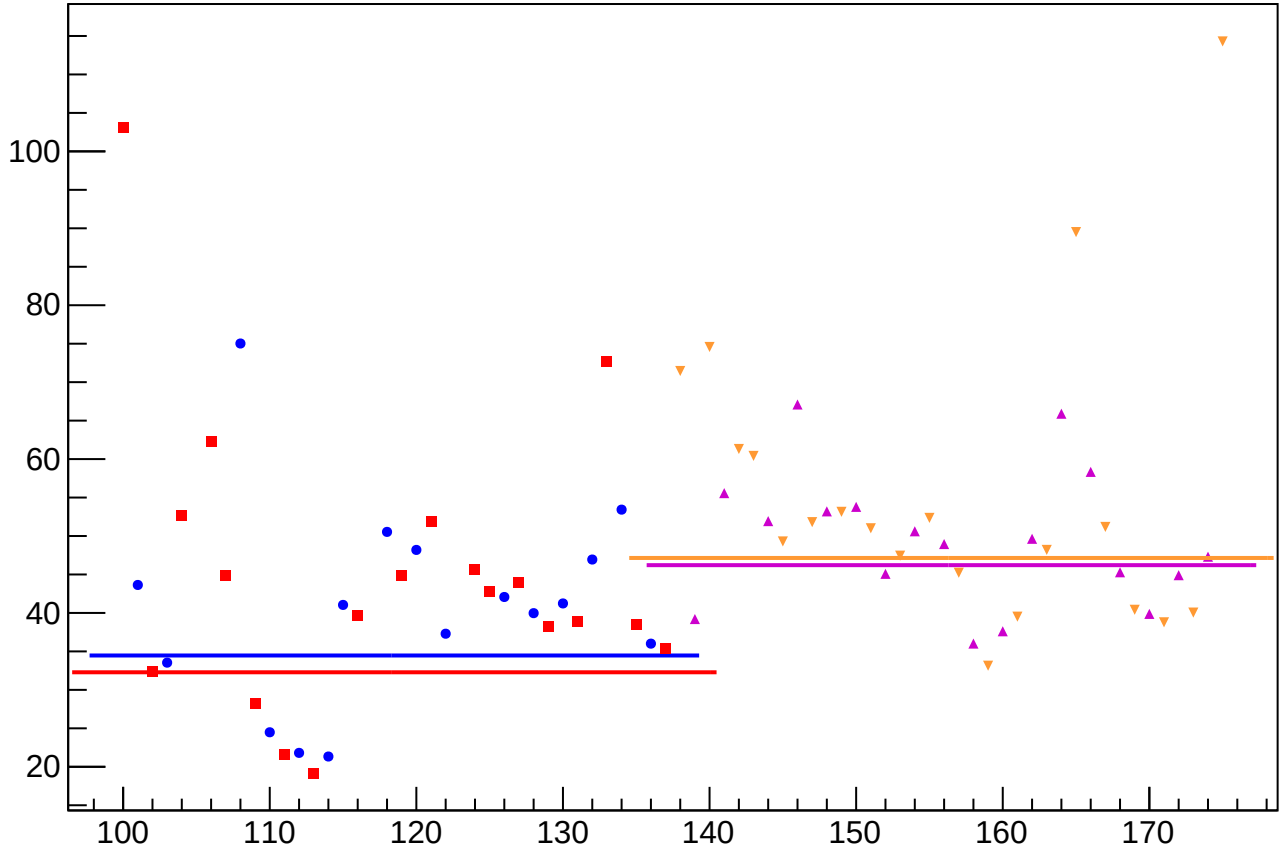
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.6/38

All: 0.003+/-0.007 χ^2/NDF: 88.0/72

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.211+/-0.009 χ^2/NDF:751449.8/17

Left: 46.679+/-0.006 χ^2/NDF: 2549296.5/37

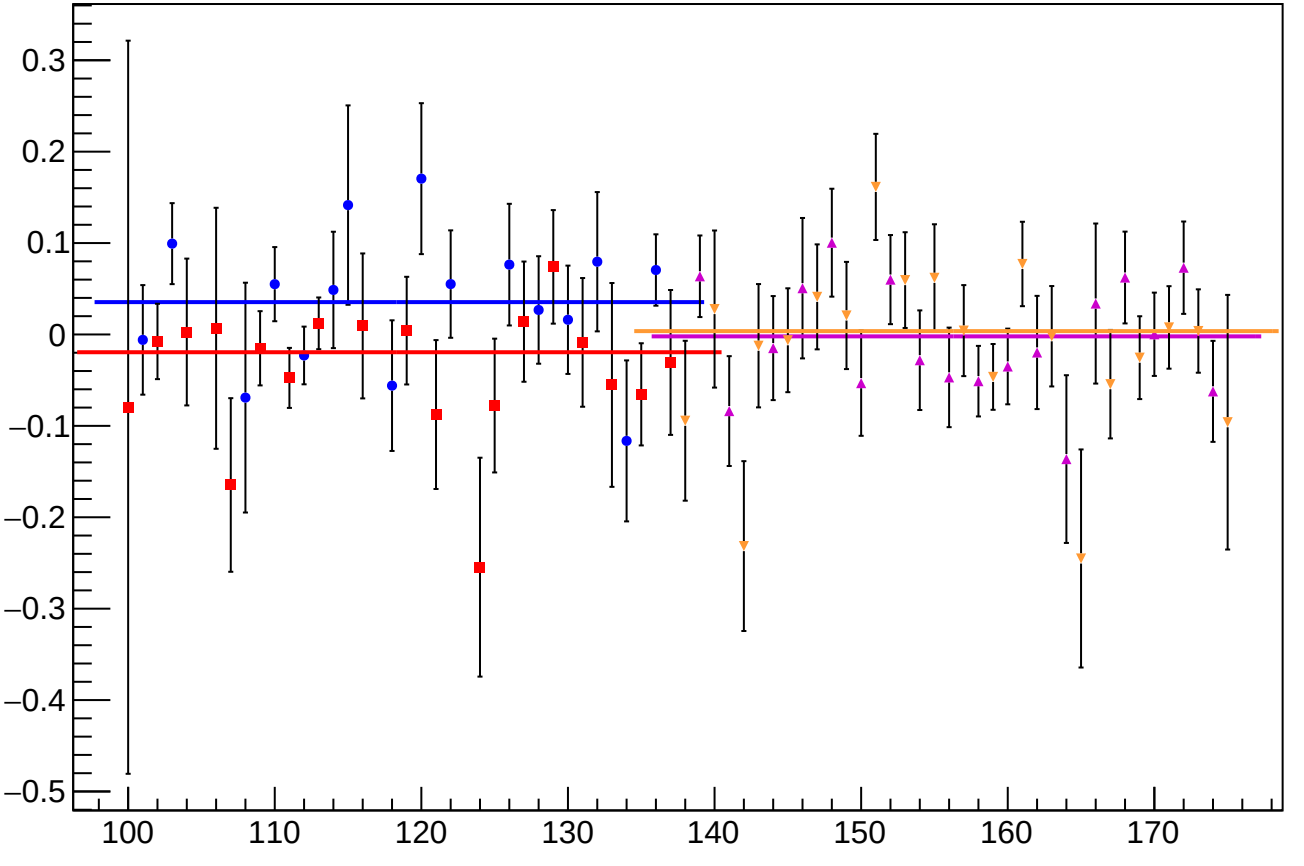
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.912+/-0.007 χ^2/NDF:2706859.0/33

Out: 40.018+/-0.006 χ^2/NDF:4799506.6/38

All: 40.453+/-0.005 χ^2/NDF: 7515796.2/72

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

Left: 0.001+/-0.009 χ^2/NDF: 49.2/37

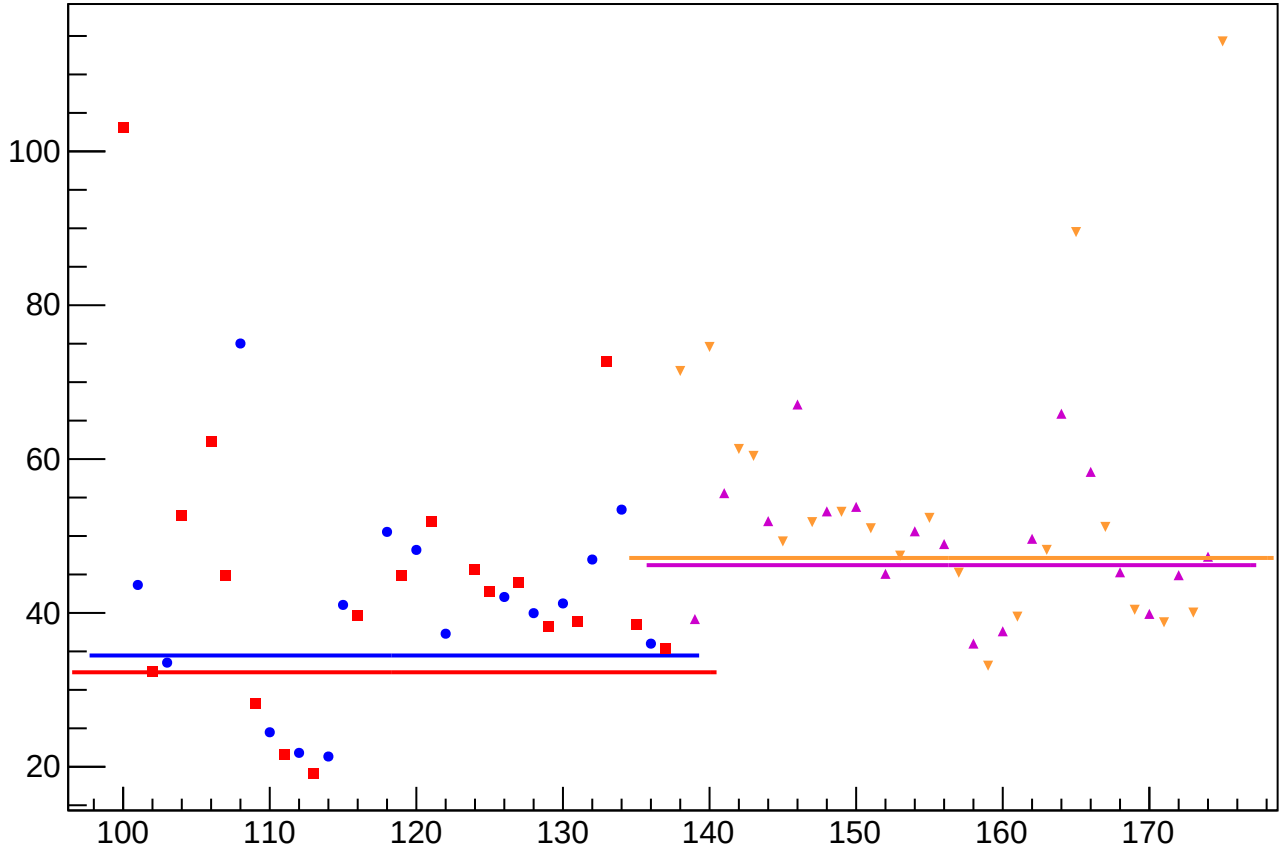
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.6/38

All: 0.003+/-0.007 χ^2/NDF: 88.0/72

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.211+/-0.009 χ^2/NDF:751449.8/17

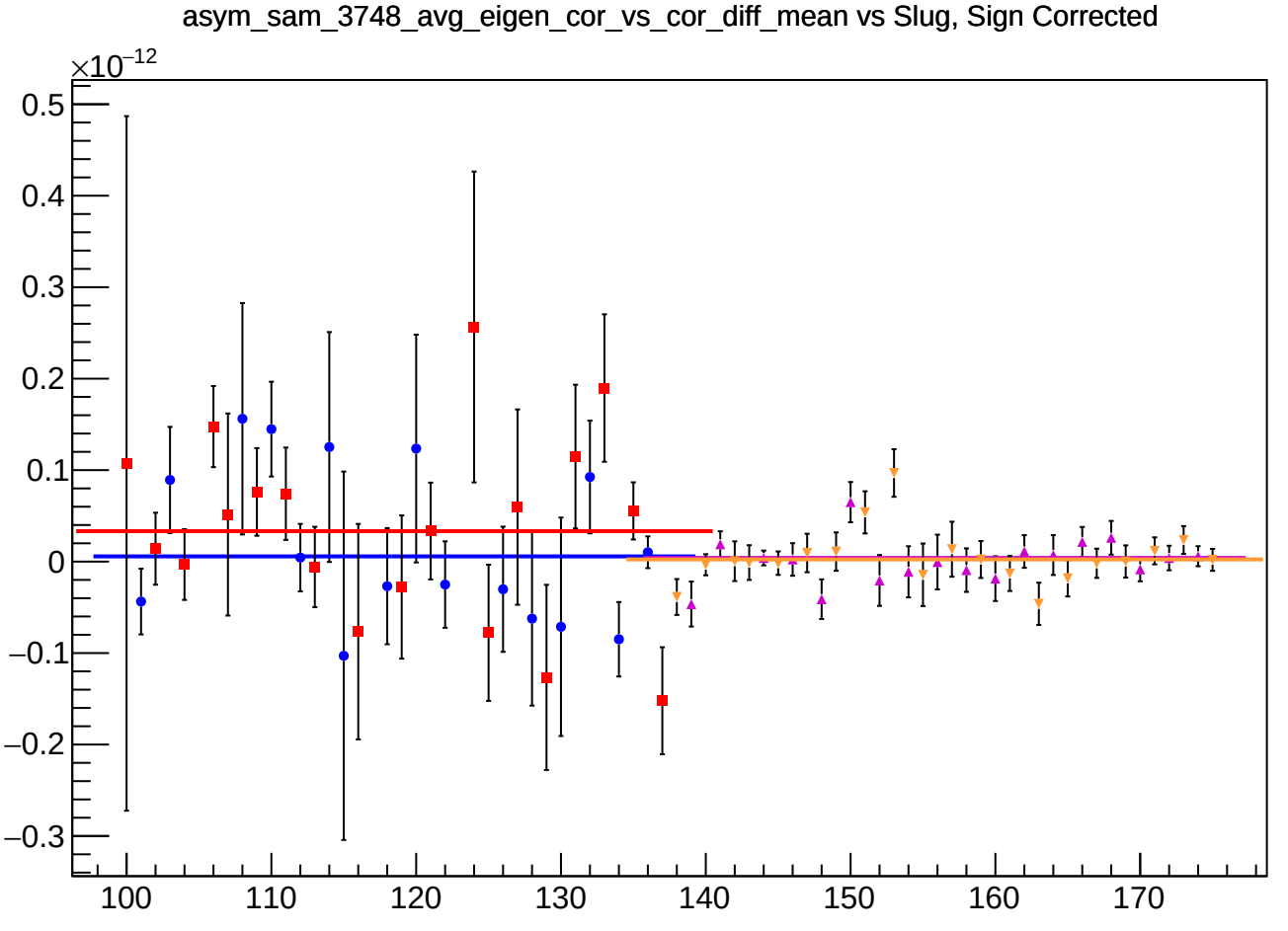
Left: 46.679+/-0.006 χ^2/NDF: 2549296.5/37

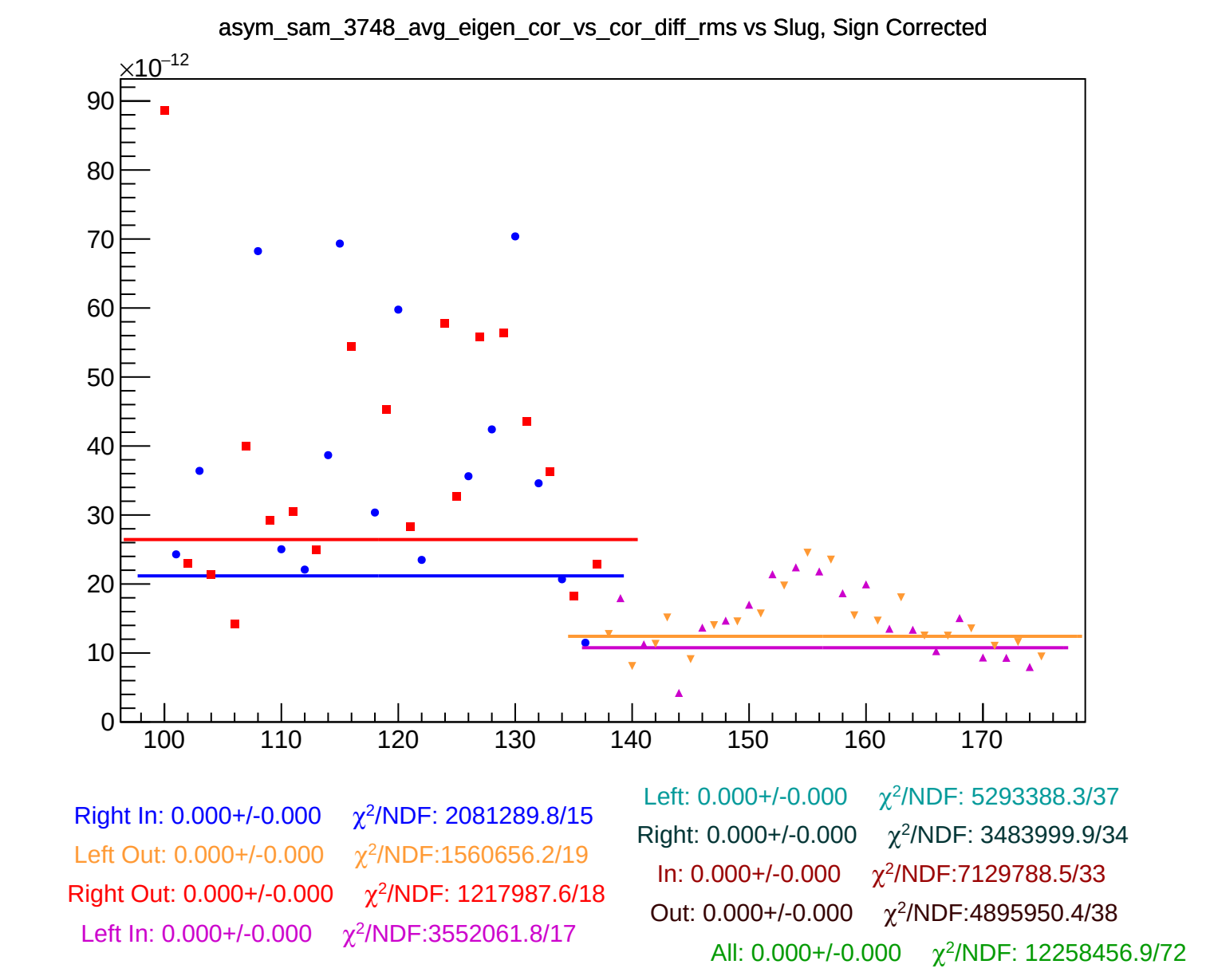
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.912+/-0.007 χ^2/NDF:2706859.0/33

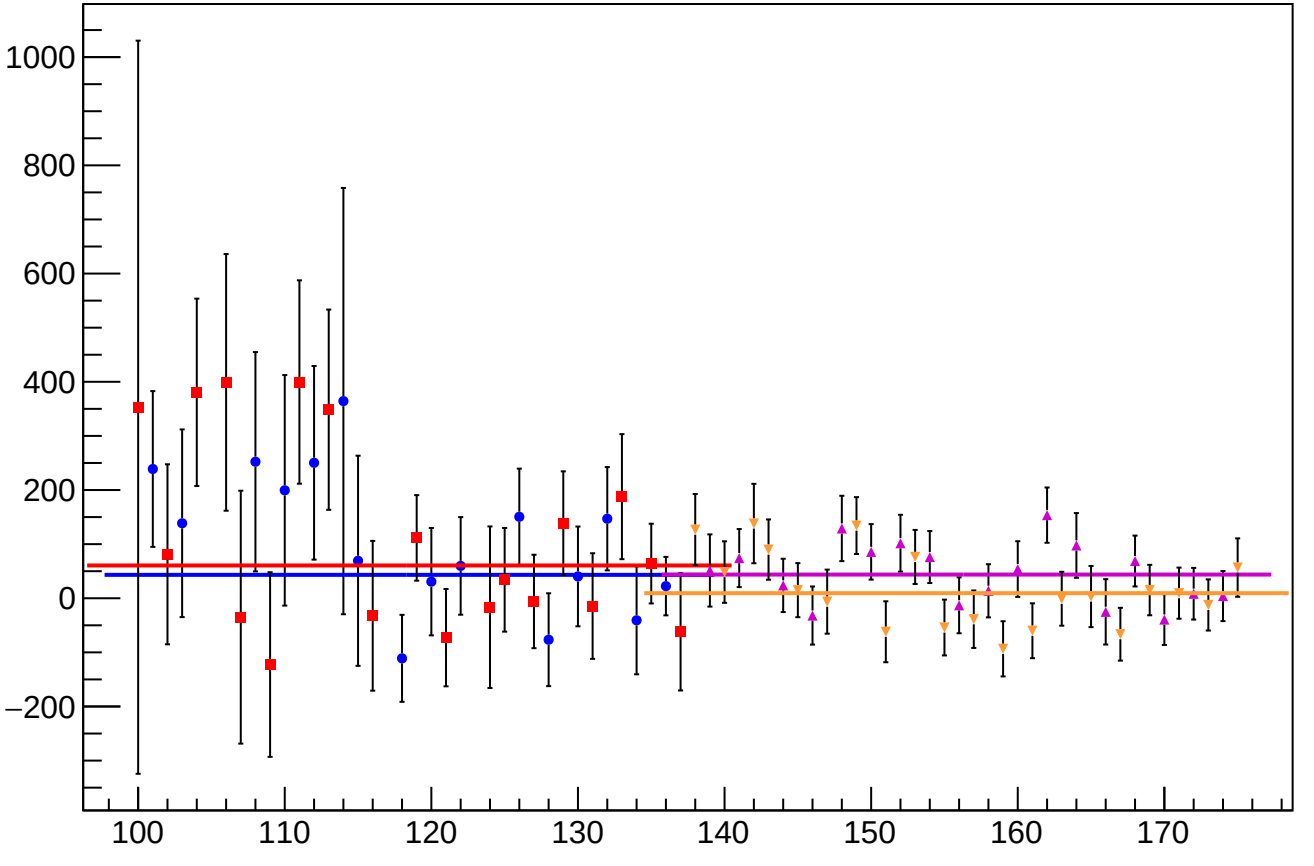
Out: 40.018+/-0.006 χ^2/NDF:4799506.6/38

All: 40.453+/-0.005 χ^2/NDF: 7515796.2/72


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:32.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:23.3/17
Left: 0.000+/-0.000 χ²/NDF: 55.6/37
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:46.9/33
Out: 0.000+/-0.000 χ²/NDF:70.8/38
All: 0.000+/-0.000 χ²/NDF: 117.8/72


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1560656.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3552061.8/17
Left: 0.000+/-0.000 χ²/NDF: 5293388.3/37
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7129788.5/33
Out: 0.000+/-0.000 χ²/NDF:4895950.4/38
All: 0.000+/-0.000 χ²/NDF: 12258456.9/72

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.406+/-11.825 χ^2/NDF:29.7/19

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 43.781+/-12.220 χ^2/NDF:19.9/17

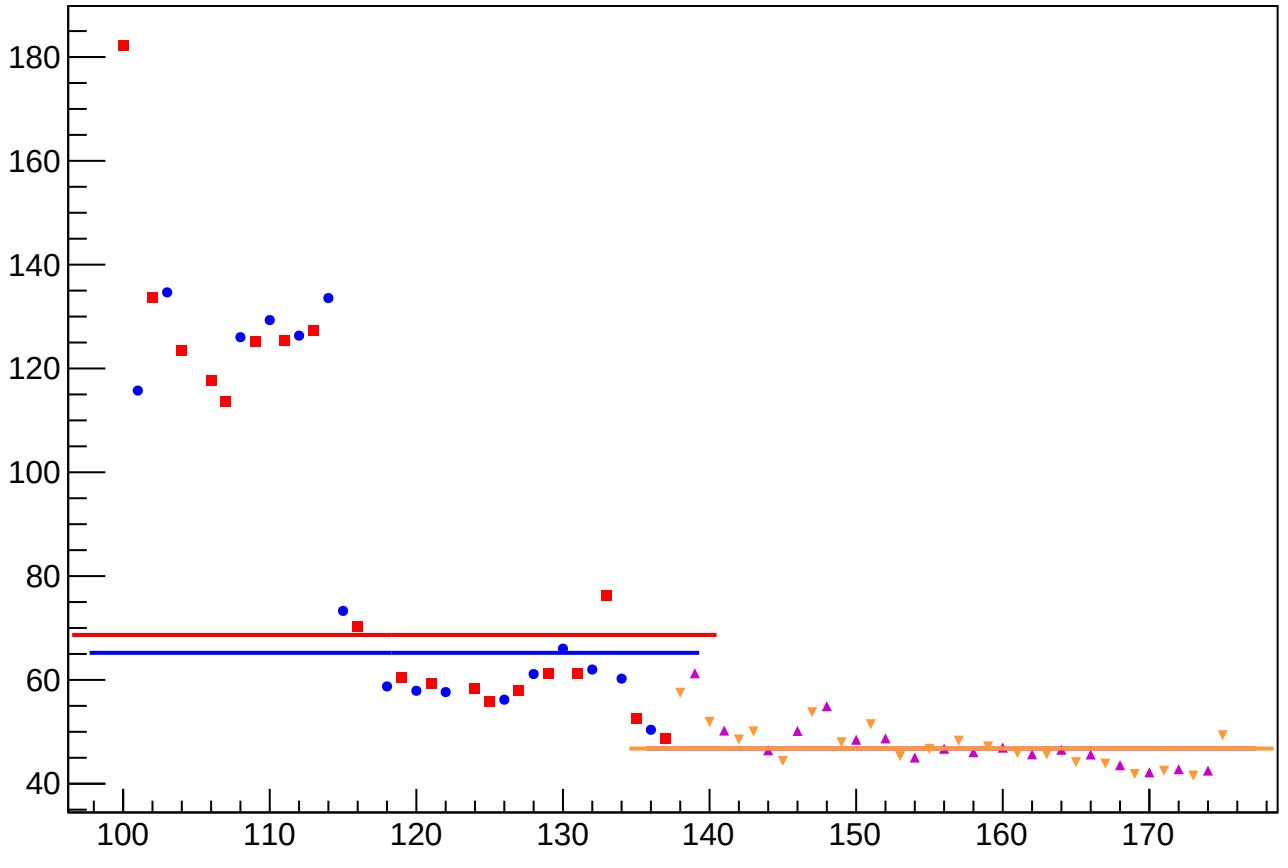
Left: 26.028+/-8.498 χ^2/NDF: 53.7/37

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 43.683+/-11.042 χ^2/NDF:34.8/33

Out: 17.696+/-10.825 χ^2/NDF:53.1/38

All: 30.431+/-7.730 χ^2/NDF: 90.8/72



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.4/17

Left: 46.782+/-0.006 χ^2/NDF: 424873.8/37

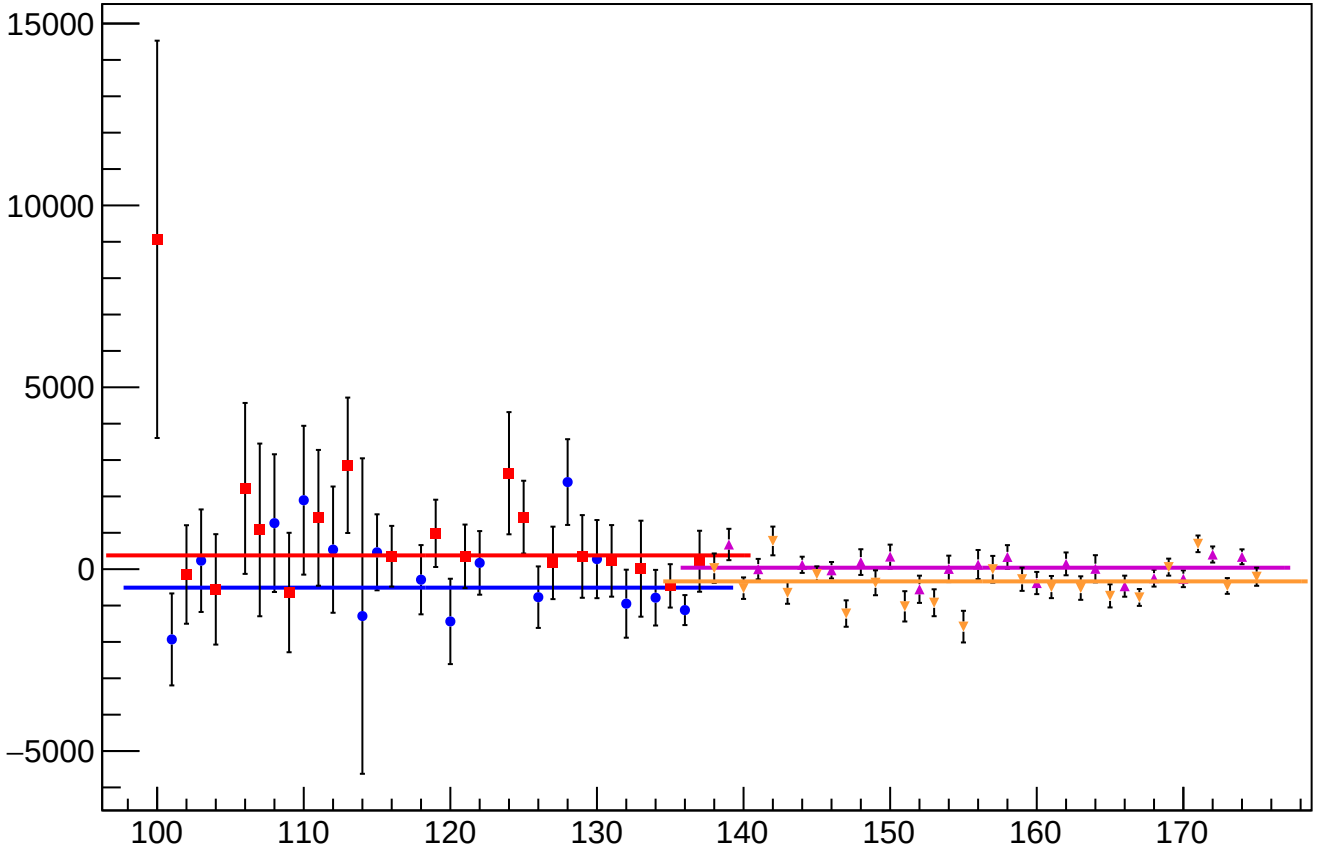
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.167+/-0.008 χ^2/NDF:2496918.9/33

Out: 50.321+/-0.008 χ^2/NDF:2958802.7/38

All: 50.246+/-0.005 χ^2/NDF: 5455921.4/72

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.710+/-65.560 χ^2/NDF:60.9/19

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 39.944+/-66.363 χ^2/NDF:20.1/17

Left: -150.169+/-46.639 χ^2/NDF: 97.2/37

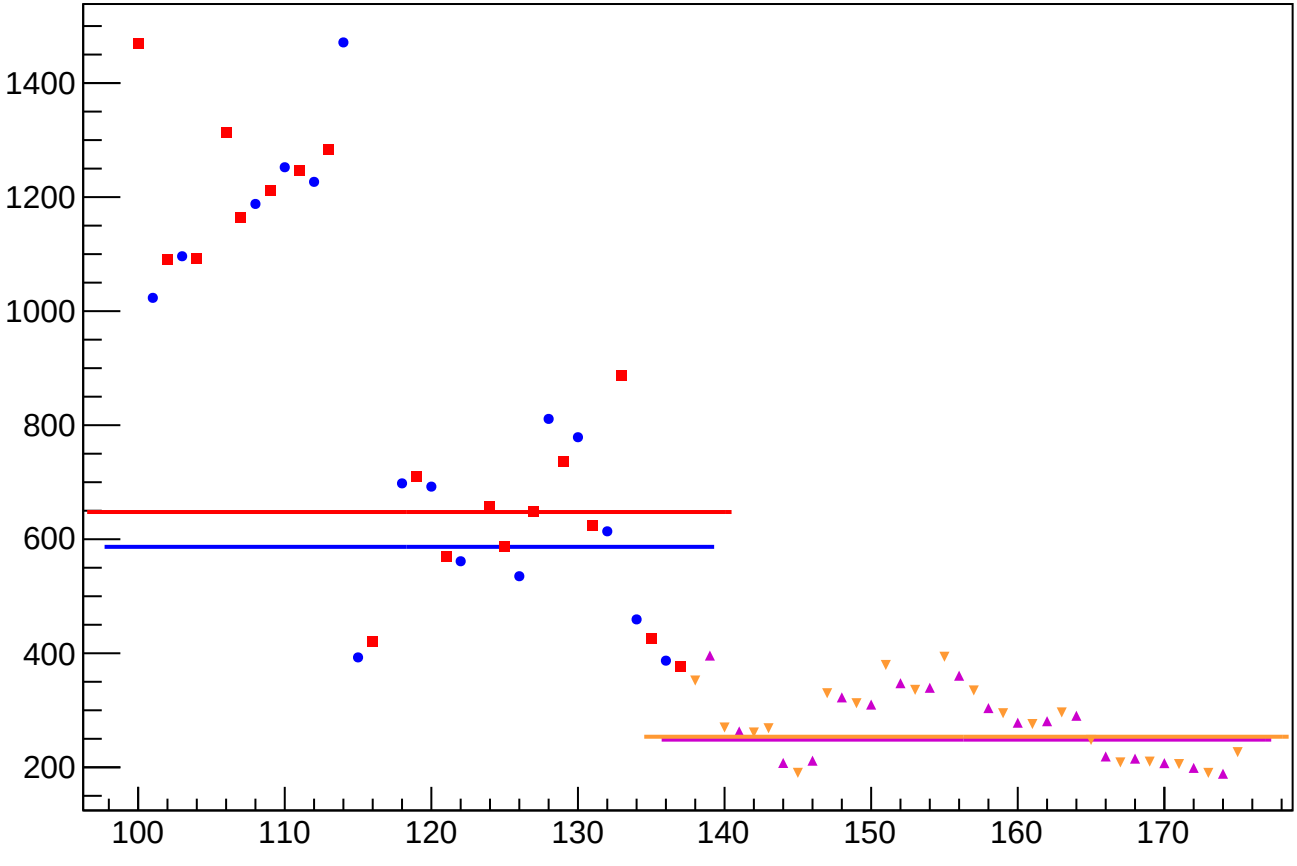
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 0.093+/-63.904 χ^2/NDF:40.7/33

Out: -291.859+/-63.517 χ^2/NDF:79.9/38

All: -146.770+/-45.049 χ^2/NDF: 131.1/72

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549046.3/19

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 248.525+/-0.047 χ^2/NDF:1459861.9/17

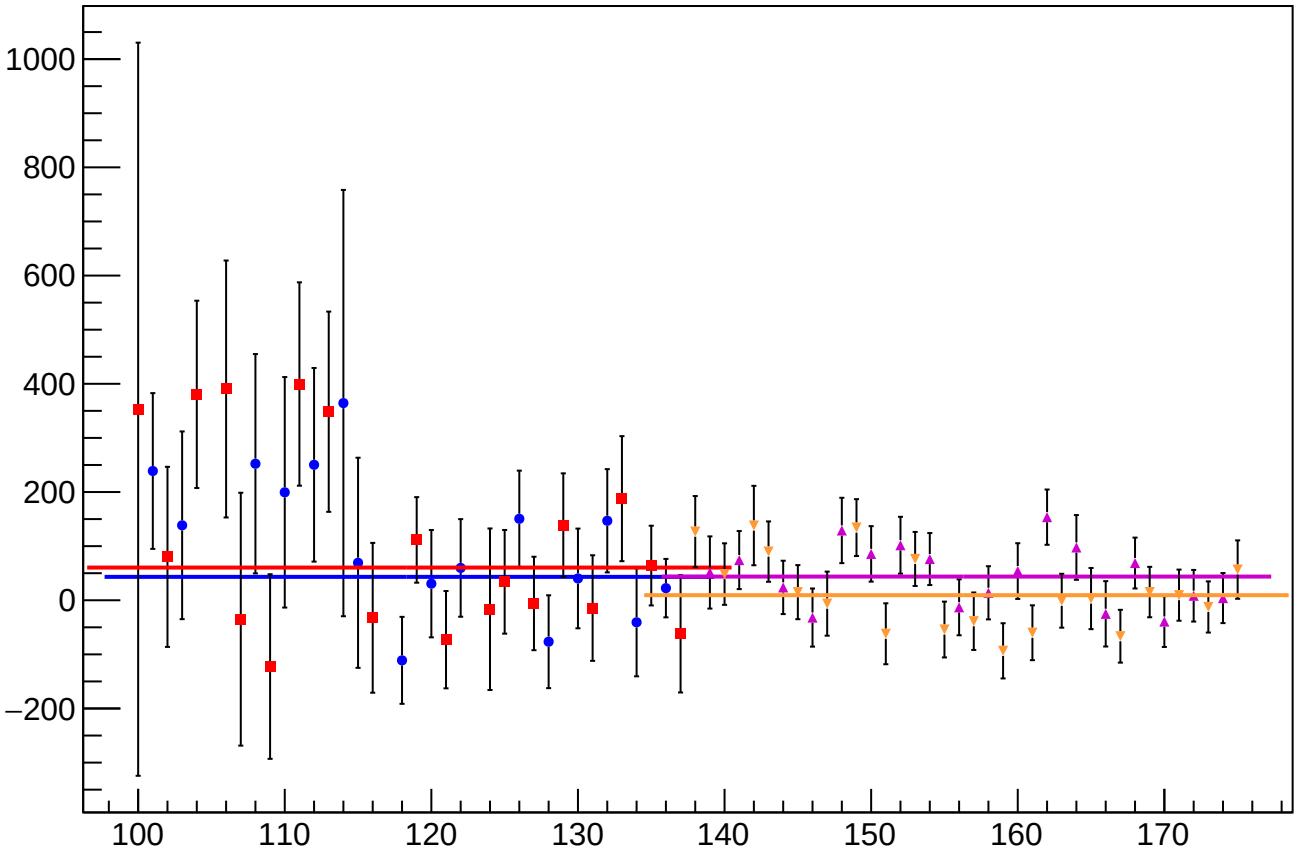
Left: 251.113+/-0.033 χ^2/NDF: 3014920.4/37

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 273.119+/-0.045 χ^2/NDF:7289430.4/33

Out: 277.823+/-0.045 χ^2/NDF:8089473.1/38

All: 275.485+/-0.032 χ^2/NDF: 15384354.9/72



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 43.779+/-12.220 χ^2/NDF:19.9/17

Left: 26.028+/-8.498 χ^2/NDF: 53.7/37

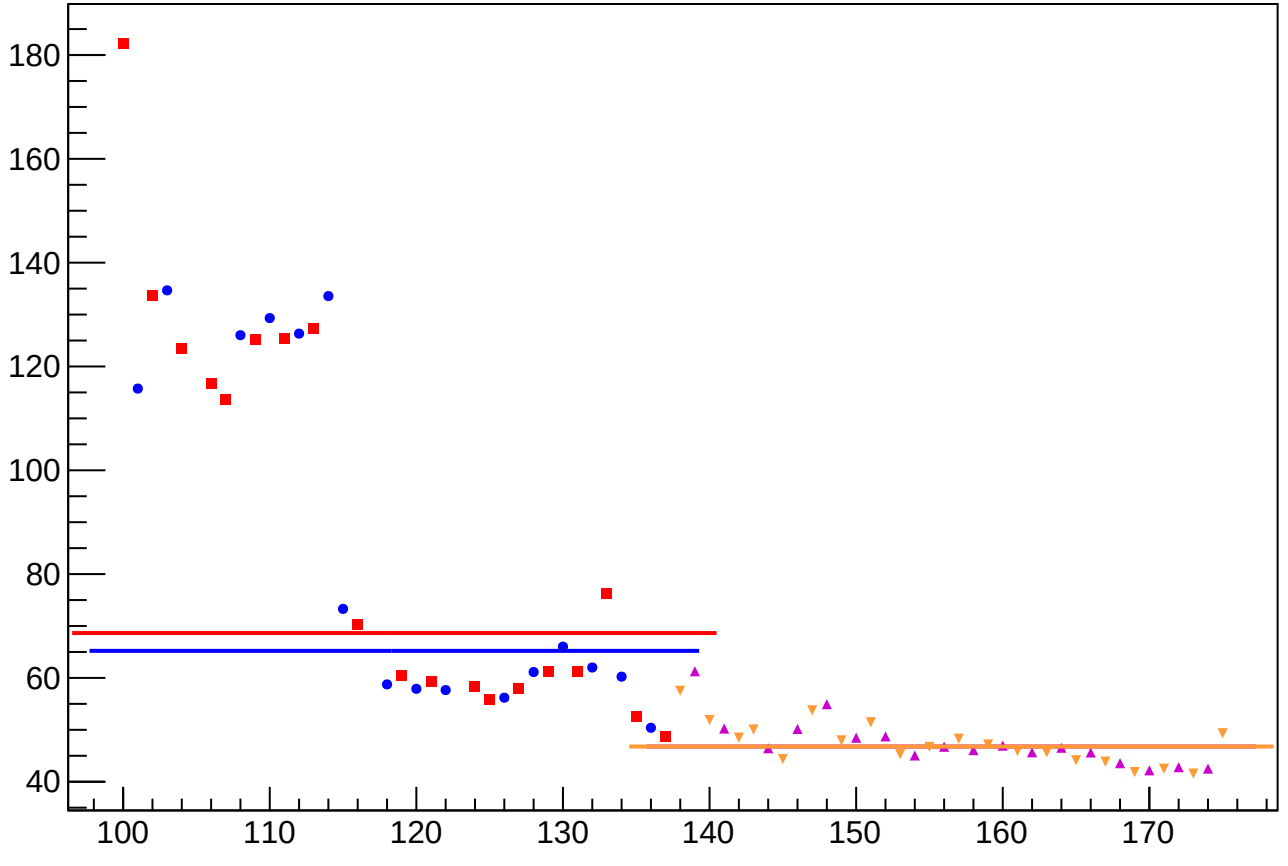
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.680+/-11.042 χ^2/NDF:34.8/33

Out: 17.672+/-10.825 χ^2/NDF:53.0/38

All: 30.417+/-7.730 χ^2/NDF: 90.7/72

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

Left: 46.782+/-0.006 χ^2/NDF: 424873.8/37

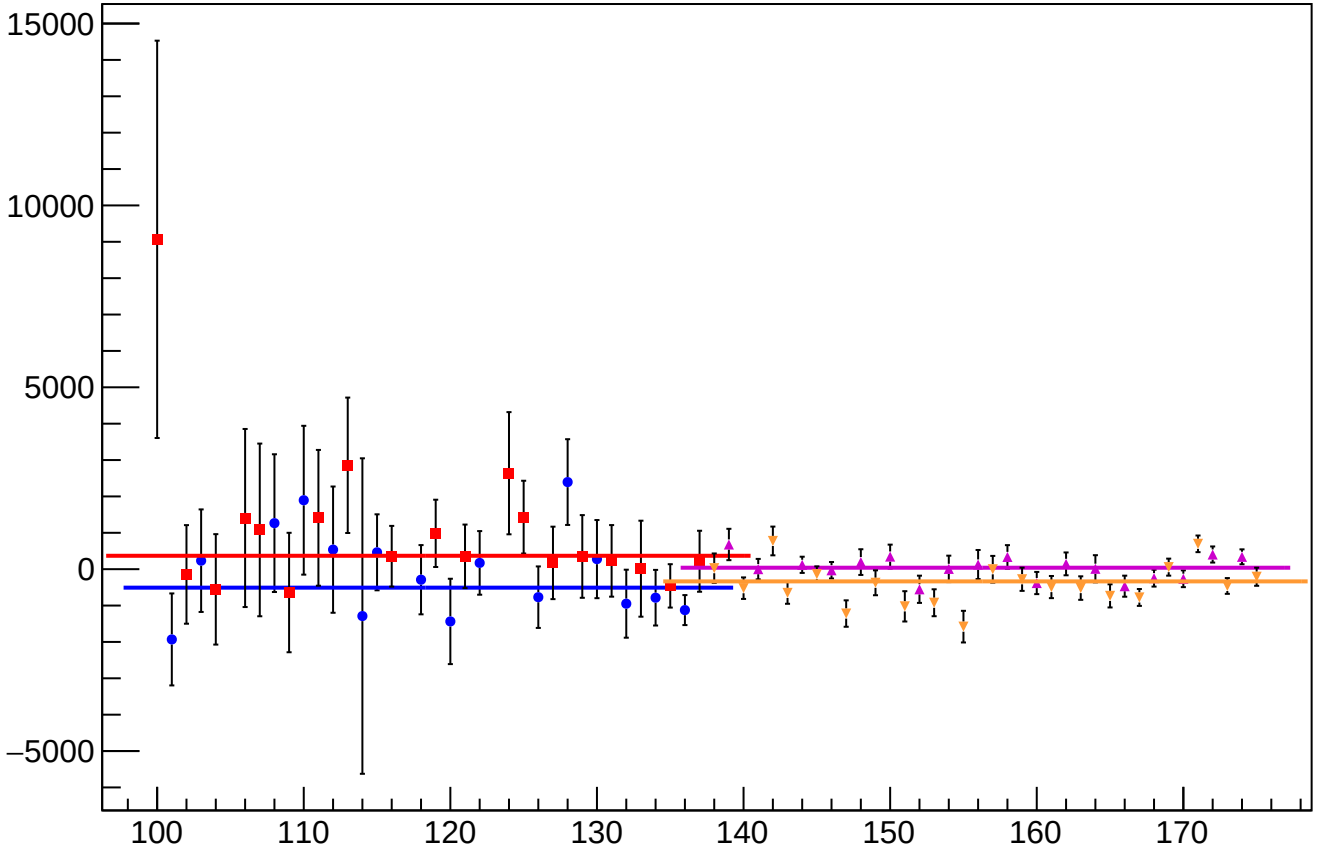
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.167+/-0.008 χ^2/NDF:2496920.9/33

Out: 50.319+/-0.008 χ^2/NDF:2953945.2/38

All: 50.244+/-0.005 χ^2/NDF: 5451059.5/72

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 39.942+/-66.363 χ^2/NDF:20.1/17

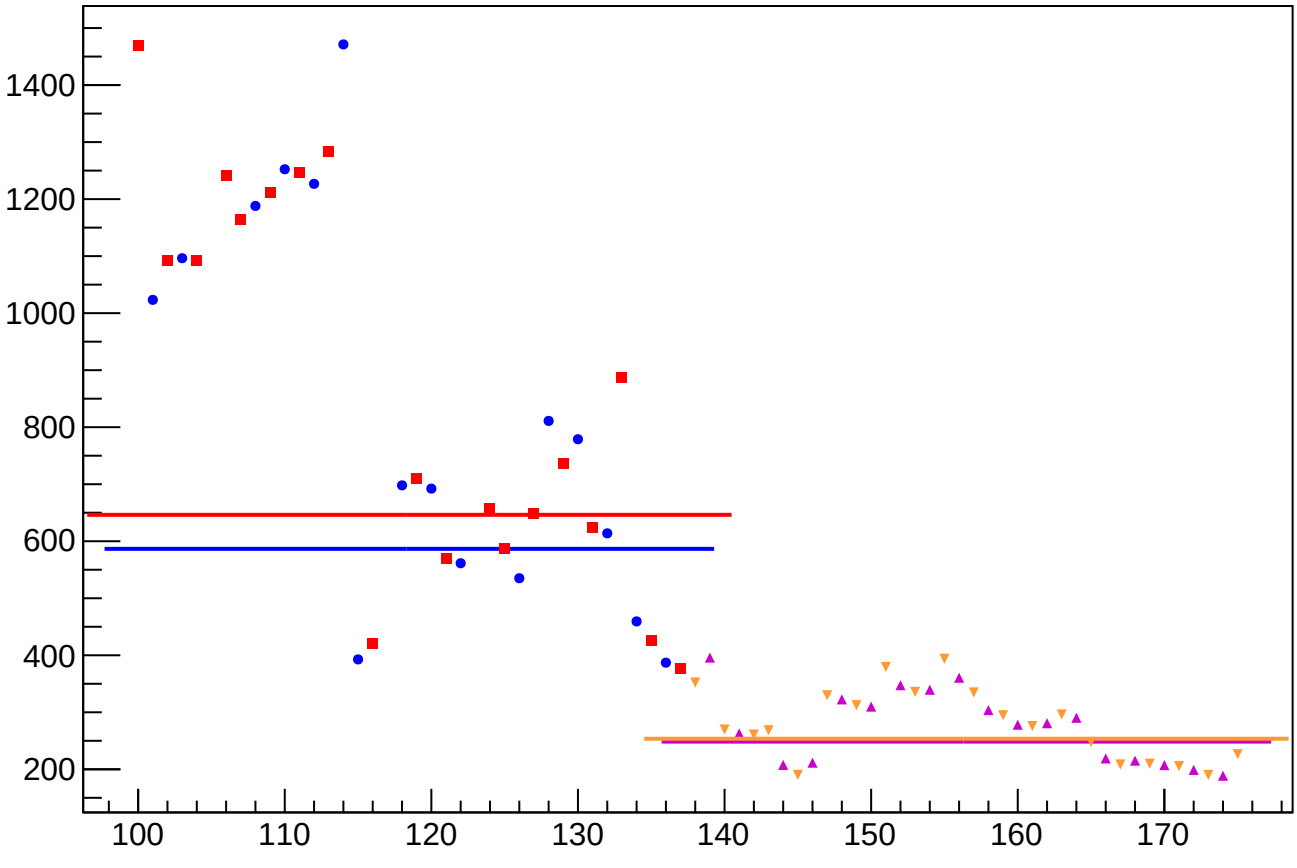
Left: -150.169+/-46.639 χ^2/NDF: 97.2/37

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 0.092+/-63.904 χ^2/NDF:40.7/33

Out: -292.545+/-63.519 χ^2/NDF:79.3/38

All: -147.111+/-45.050 χ^2/NDF: 130.5/72



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

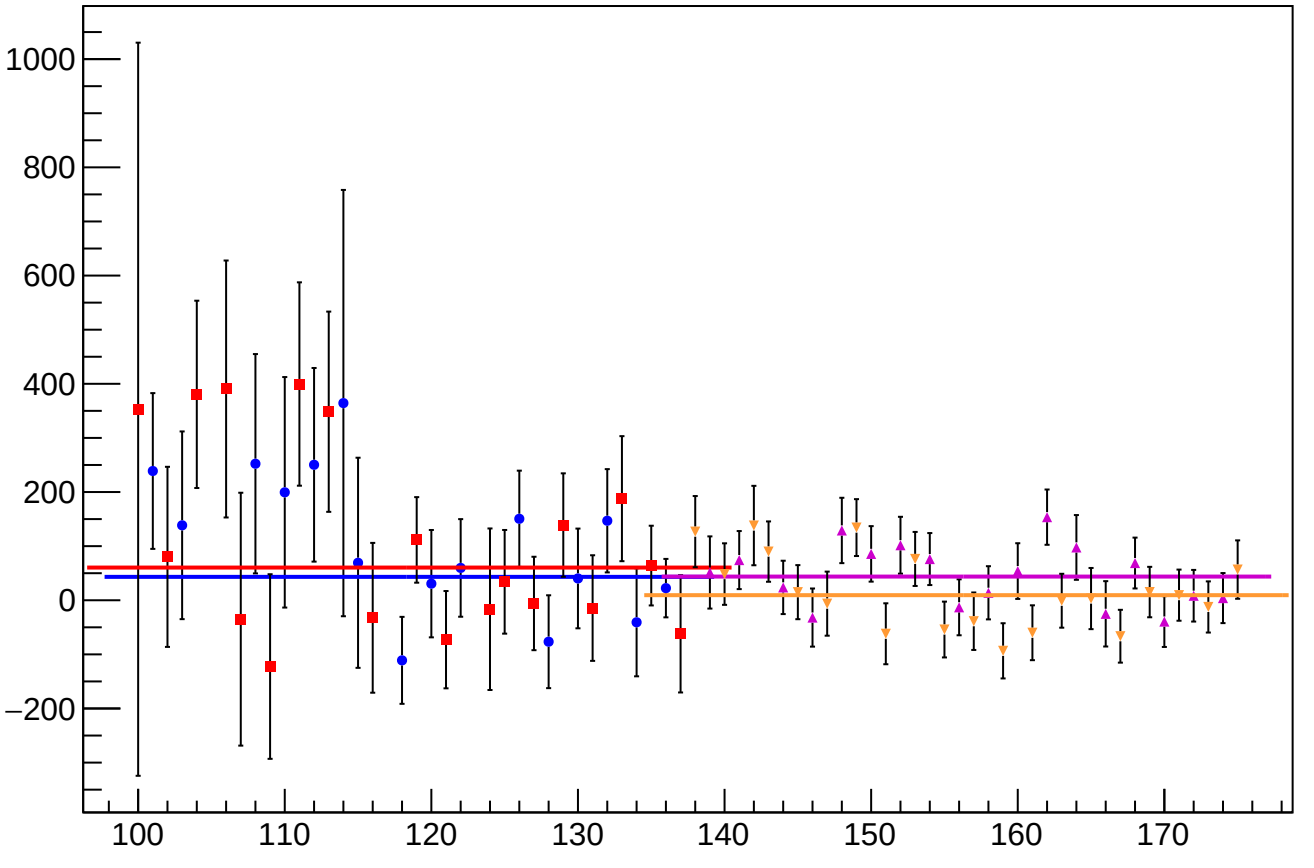
Left: 251.113+/-0.033 χ^2/NDF: 3014924.4/37

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 273.119+/-0.045 χ^2/NDF:7289444.8/33

Out: 277.714+/-0.045 χ^2/NDF:8011313.0/38

All: 275.430+/-0.032 χ^2/NDF: 15305959.3/72



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 43.779+/-12.220 χ^2/NDF:19.9/17

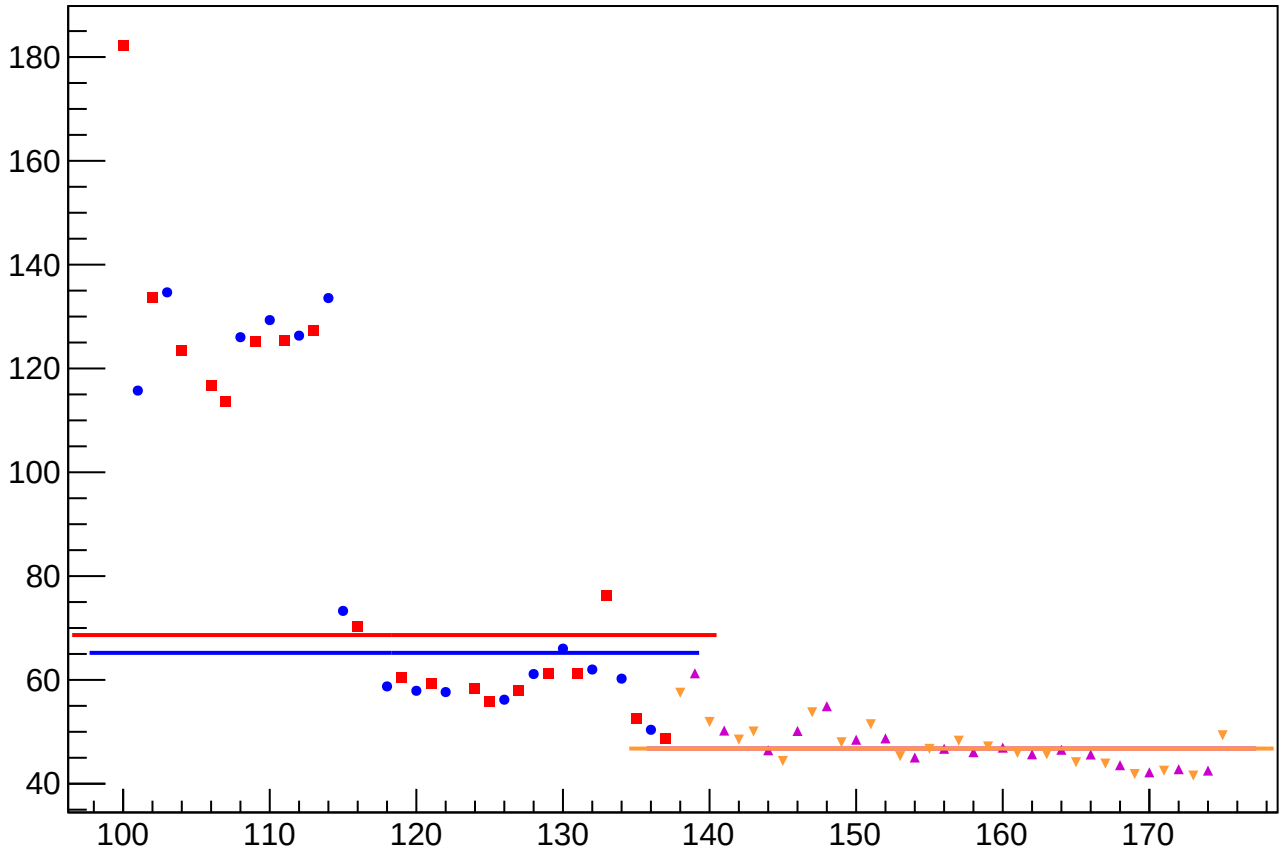
Left: 26.028+/-8.498 χ^2/NDF: 53.7/37

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.680+/-11.042 χ^2/NDF:34.8/33

Out: 17.672+/-10.825 χ^2/NDF:53.0/38

All: 30.417+/-7.730 χ^2/NDF: 90.7/72



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

Left: 46.782+/-0.006 χ^2/NDF: 424873.8/37

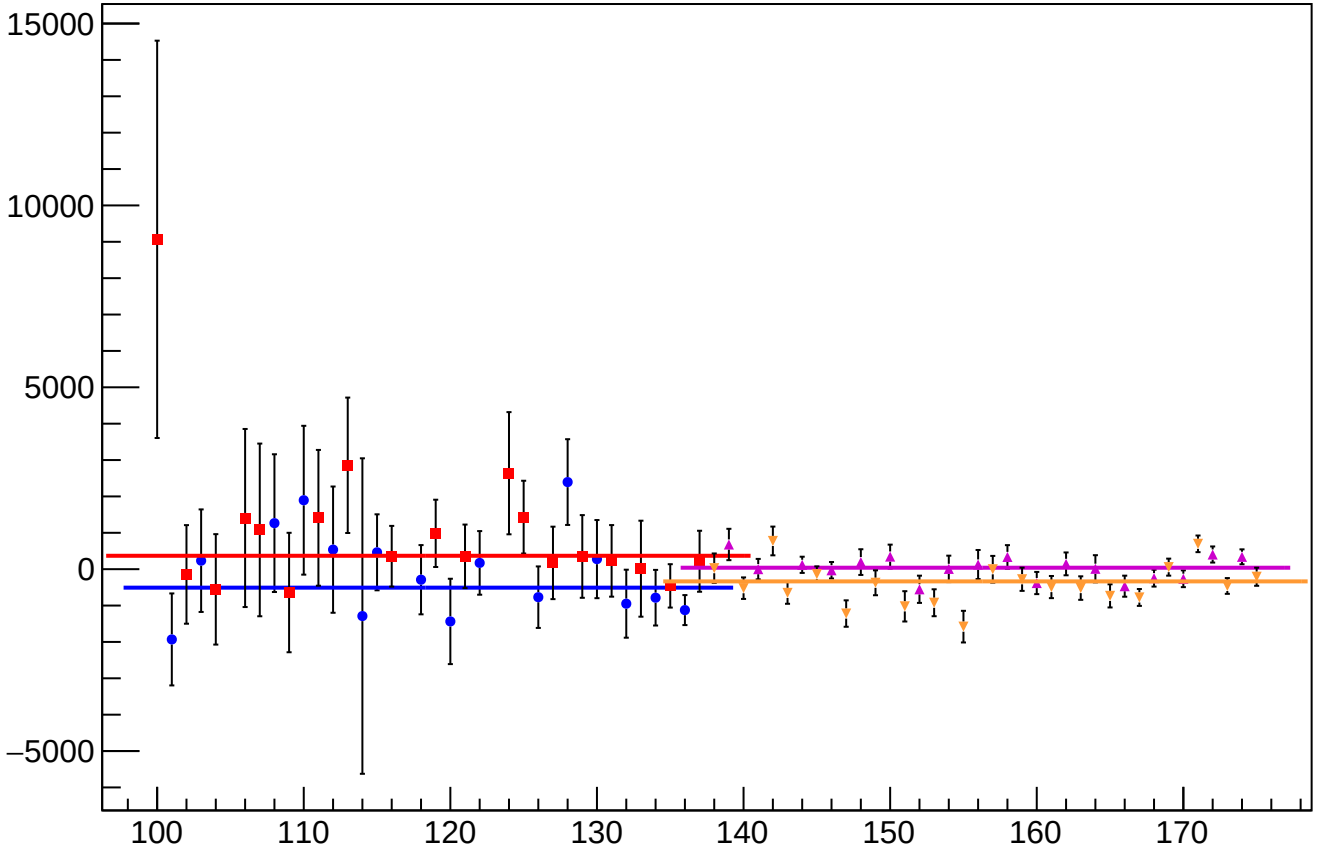
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.167+/-0.008 χ^2/NDF:2496920.9/33

Out: 50.319+/-0.008 χ^2/NDF:2953945.2/38

All: 50.244+/-0.005 χ^2/NDF: 5451059.5/72

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 39.942+/-66.363 χ^2/NDF:20.1/17

Left: -150.169+/-46.639 χ^2/NDF: 97.2/37

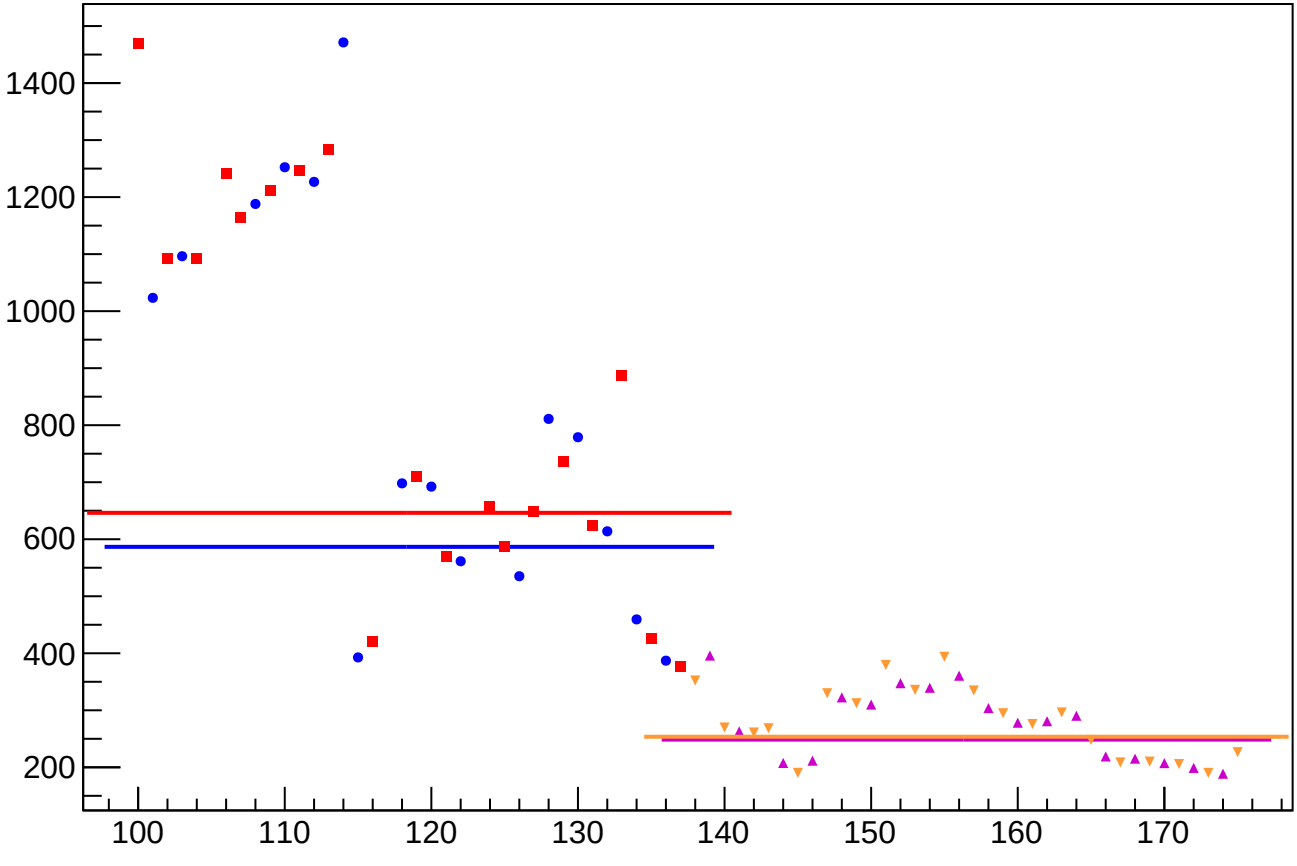
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 0.092+/-63.904 χ^2/NDF:40.7/33

Out: -292.545+/-63.519 χ^2/NDF:79.3/38

All: -147.111+/-45.050 χ^2/NDF: 130.5/72

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

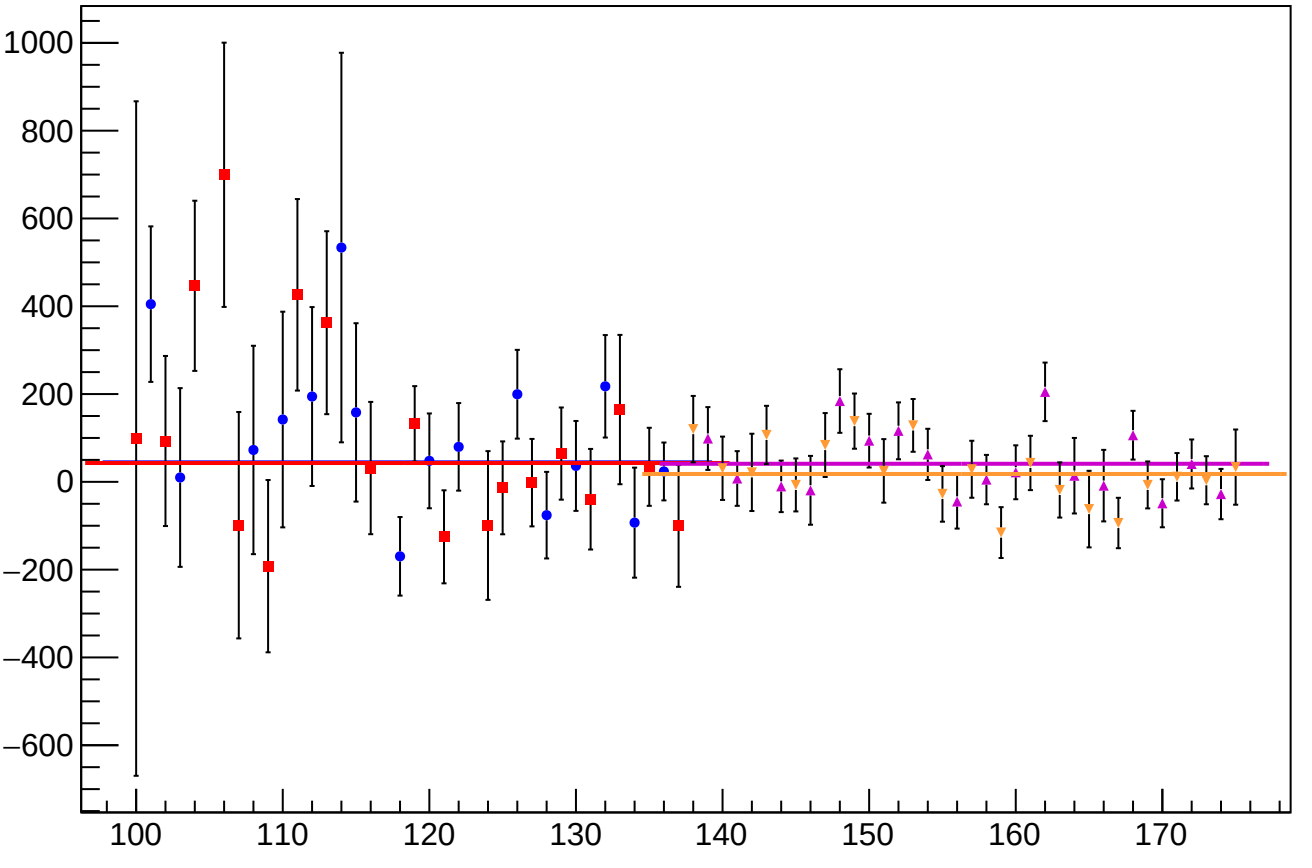
Left: 251.113+/-0.033 χ^2/NDF: 3014924.4/37

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 273.119+/-0.045 χ^2/NDF:7289444.8/33

Out: 277.714+/-0.045 χ^2/NDF:8011313.0/38

All: 275.430+/-0.032 χ^2/NDF: 15305959.3/72



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 17.919+/-14.430 χ^2/NDF:23.0/19

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.182+/-14.852 χ^2/NDF:22.9/17

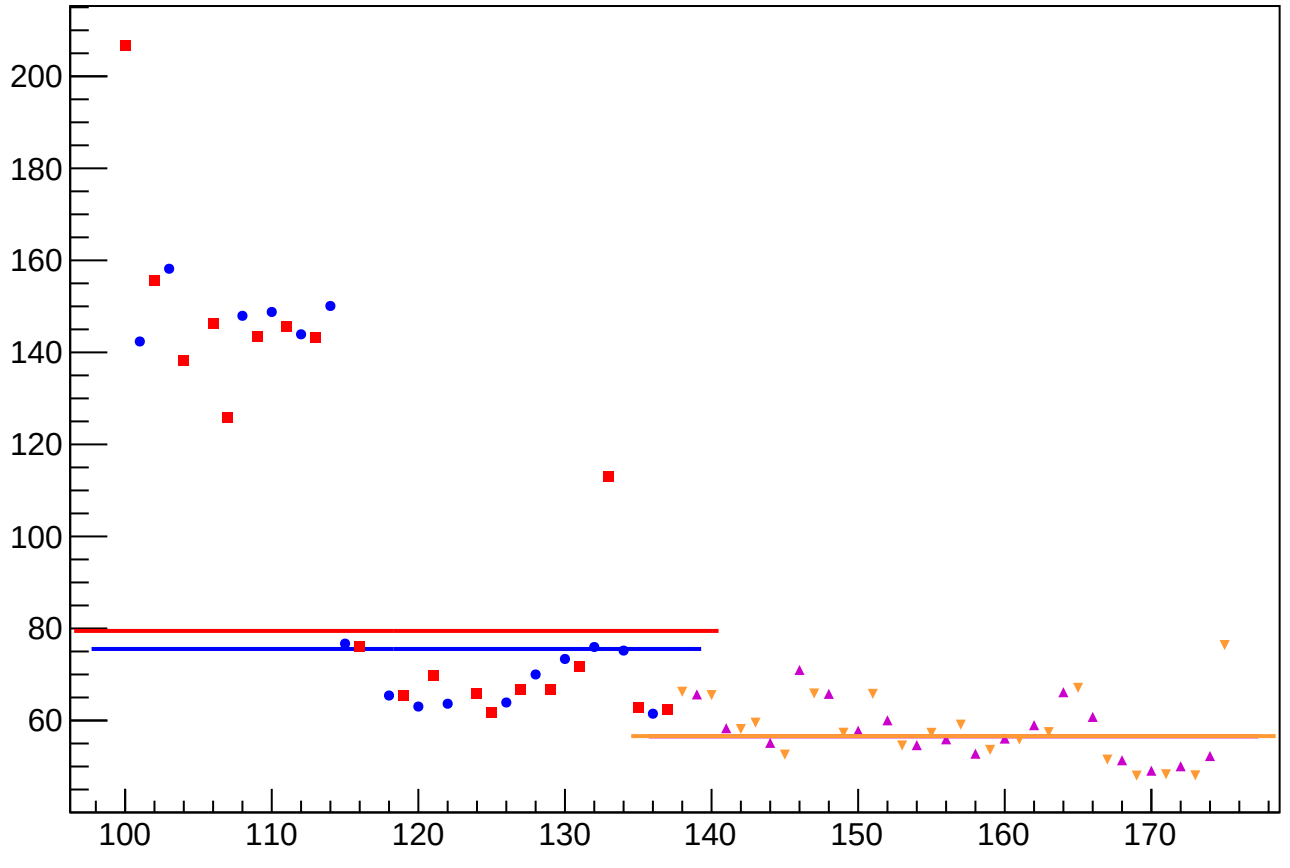
Left: 29.215+/-10.349 χ^2/NDF: 47.2/37

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 41.816+/-13.302 χ^2/NDF:42.5/33

Out: 22.309+/-13.100 χ^2/NDF:46.8/38

All: 31.914+/-9.334 χ^2/NDF: 90.4/72



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.607+/-0.010 χ^2/NDF:451347.0/19

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279497.1/17

Left: 56.577+/-0.007 χ^2/NDF: 730861.4/37

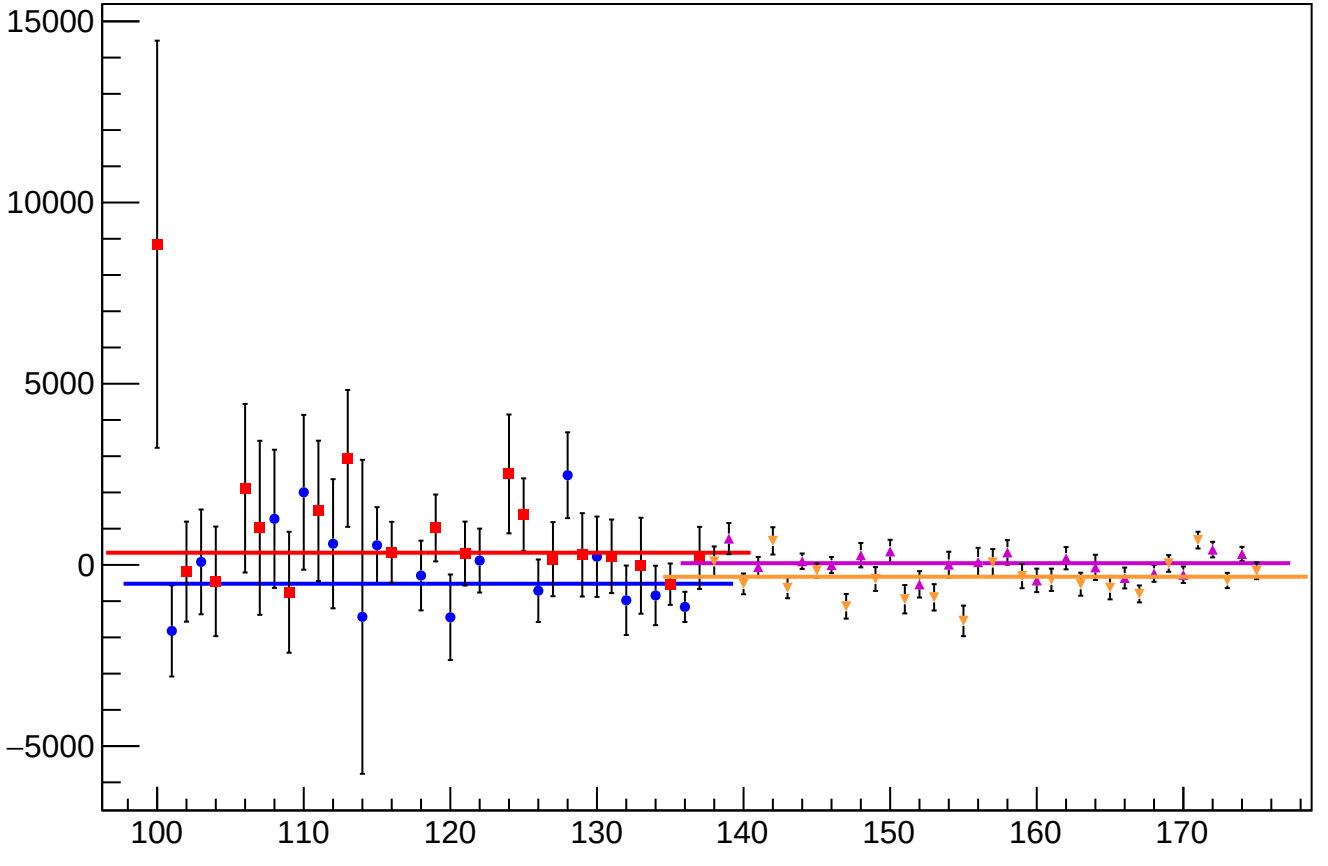
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.304+/-0.009 χ^2/NDF:2392413.2/33

Out: 60.624+/-0.009 χ^2/NDF:3017117.0/38

All: 60.467+/-0.007 χ^2/NDF: 5410118.8/72

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -326.162+/-63.969 χ^2/NDF:58.4/19

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 47.646+/-65.170 χ^2/NDF:20.2/17

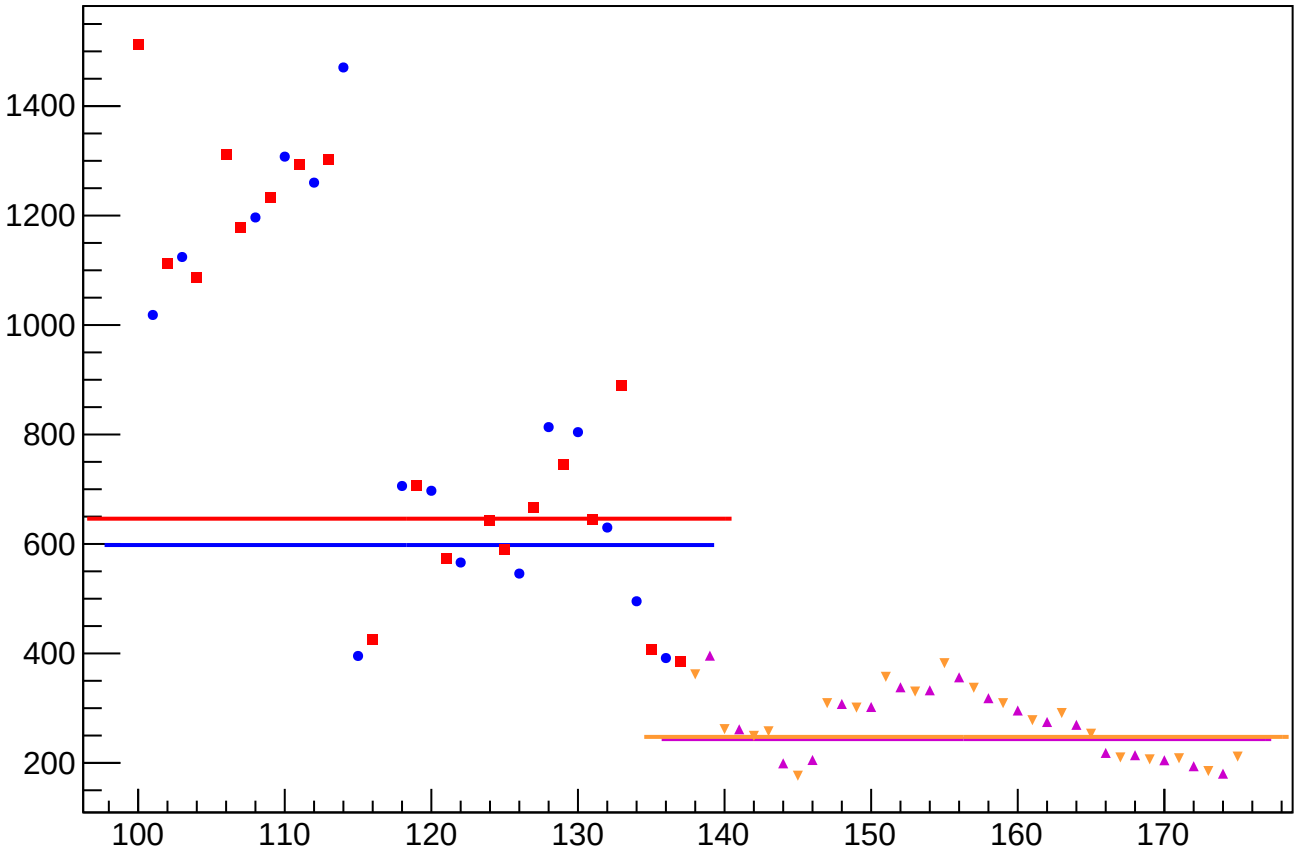
Left: -142.733+/-45.651 χ^2/NDF: 95.4/37

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 9.112+/-62.916 χ^2/NDF:41.2/33

Out: -287.380+/-62.070 χ^2/NDF:76.6/38

All: -141.141+/-44.186 χ^2/NDF: 129.0/72



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 247.525+/-0.045 χ^2/NDF:1644827.5/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 243.485+/-0.046 χ^2/NDF:1567829.7/17

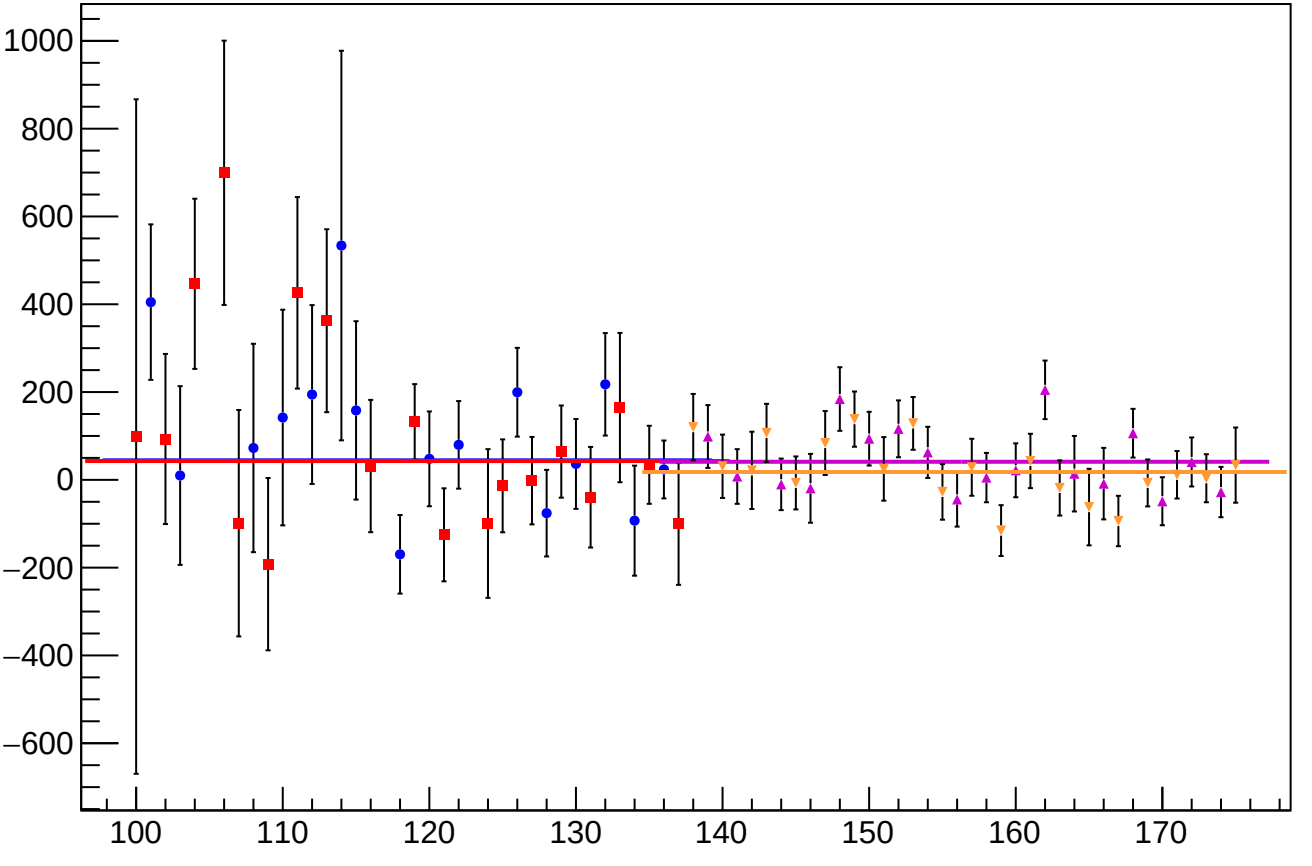
Left: 245.543+/-0.032 χ^2/NDF: 3216570.4/37

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 267.586+/-0.044 χ^2/NDF:7639670.7/33

Out: 270.848+/-0.044 χ^2/NDF:8394825.0/38

All: 269.239+/-0.031 χ^2/NDF: 16037220.1/72



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 17.918+/-14.430 χ^2/NDF:23.0/19

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.182+/-14.852 χ^2/NDF:22.9/17

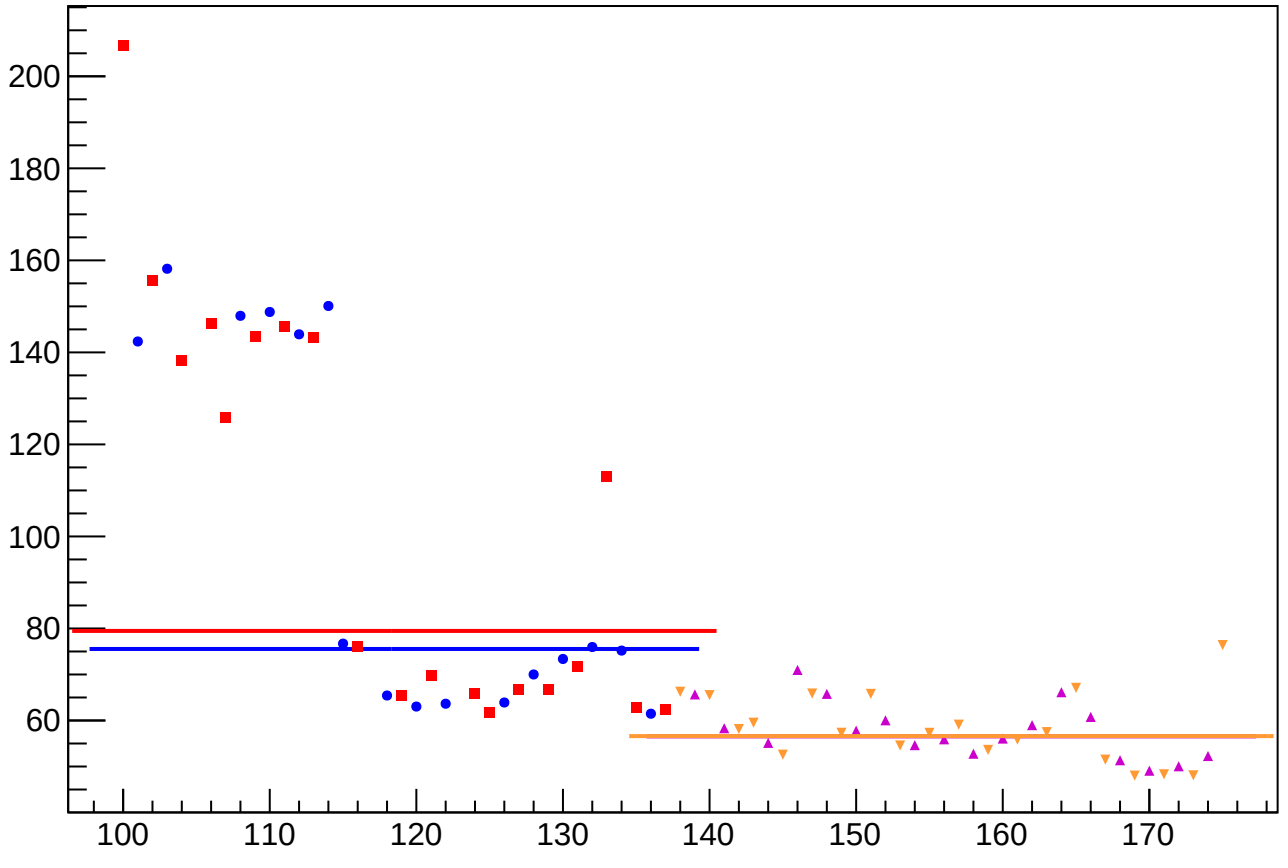
Left: 29.214+/-10.349 χ^2/NDF: 47.2/37

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 41.816+/-13.302 χ^2/NDF:42.5/33

Out: 22.309+/-13.100 χ^2/NDF:46.8/38

All: 31.913+/-9.334 χ^2/NDF: 90.4/72



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.607+/-0.010 χ^2/NDF:451348.9/19

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279498.2/17

Left: 56.577+/-0.007 χ^2/NDF: 730864.3/37

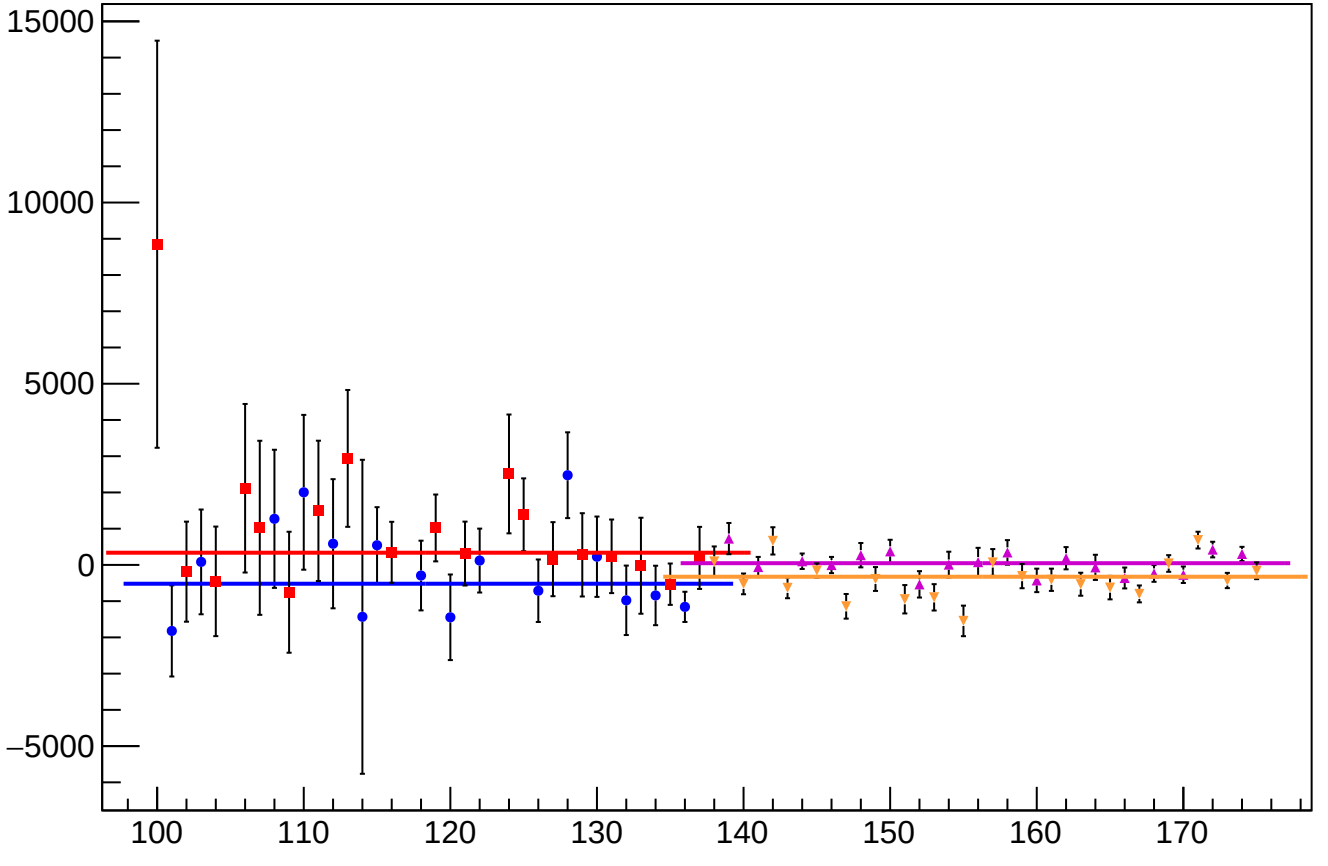
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.304+/-0.009 χ^2/NDF:2392369.4/33

Out: 60.624+/-0.009 χ^2/NDF:3017087.6/38

All: 60.467+/-0.007 χ^2/NDF: 5410045.3/72

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -326.161+/-63.969 χ^2/NDF:58.4/19

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 47.645+/-65.170 χ^2/NDF:20.2/17

Left: -142.733+/-45.651 χ^2/NDF: 95.4/37

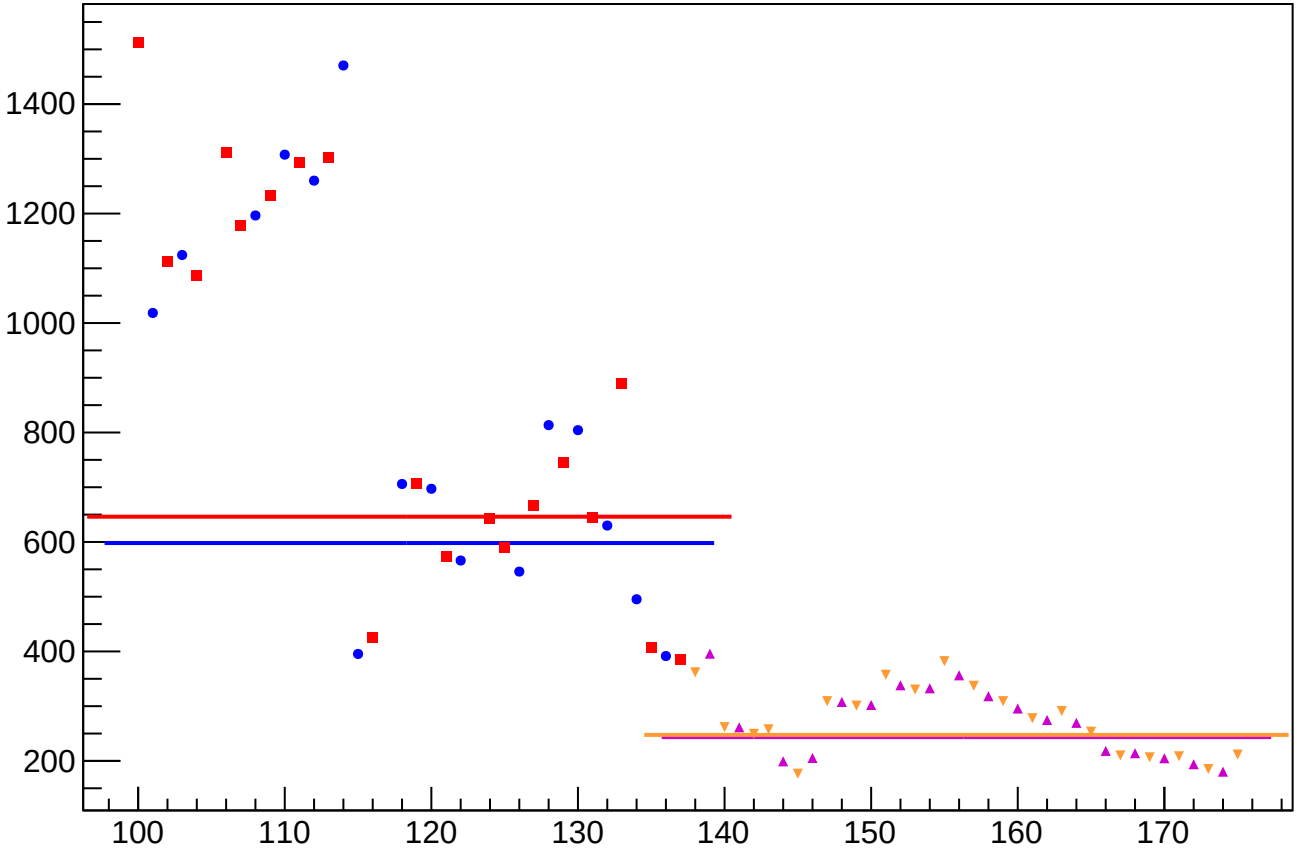
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 9.111+/-62.916 χ^2/NDF:41.2/33

Out: -287.379+/-62.069 χ^2/NDF:76.6/38

All: -141.141+/-44.186 χ^2/NDF: 129.0/72

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 247.524+/-0.045 χ^2/NDF:1644829.0/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 243.485+/-0.046 χ^2/NDF:1567821.5/17

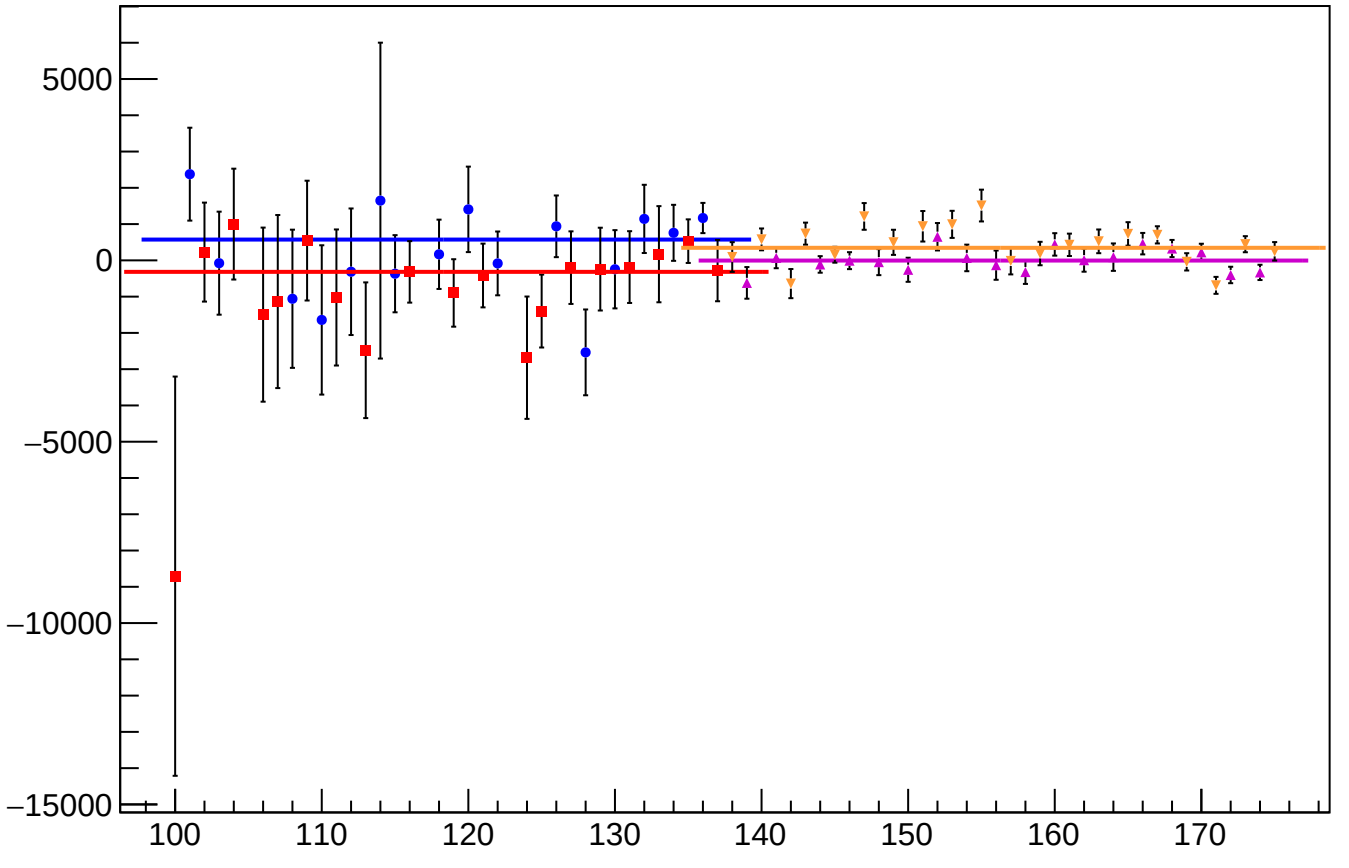
Left: 245.542+/-0.032 χ^2/NDF: 3216563.3/37

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 267.586+/-0.044 χ^2/NDF:7639649.0/33

Out: 270.848+/-0.044 χ^2/NDF:8394821.3/38

All: 269.239+/-0.031 χ^2/NDF: 16037194.4/72



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 346.127+/-66.768 χ^2/NDF:55.1/19

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -5.280+/-67.671 χ^2/NDF:20.0/17

Left: 172.782+/-47.528 χ^2/NDF: 88.7/37

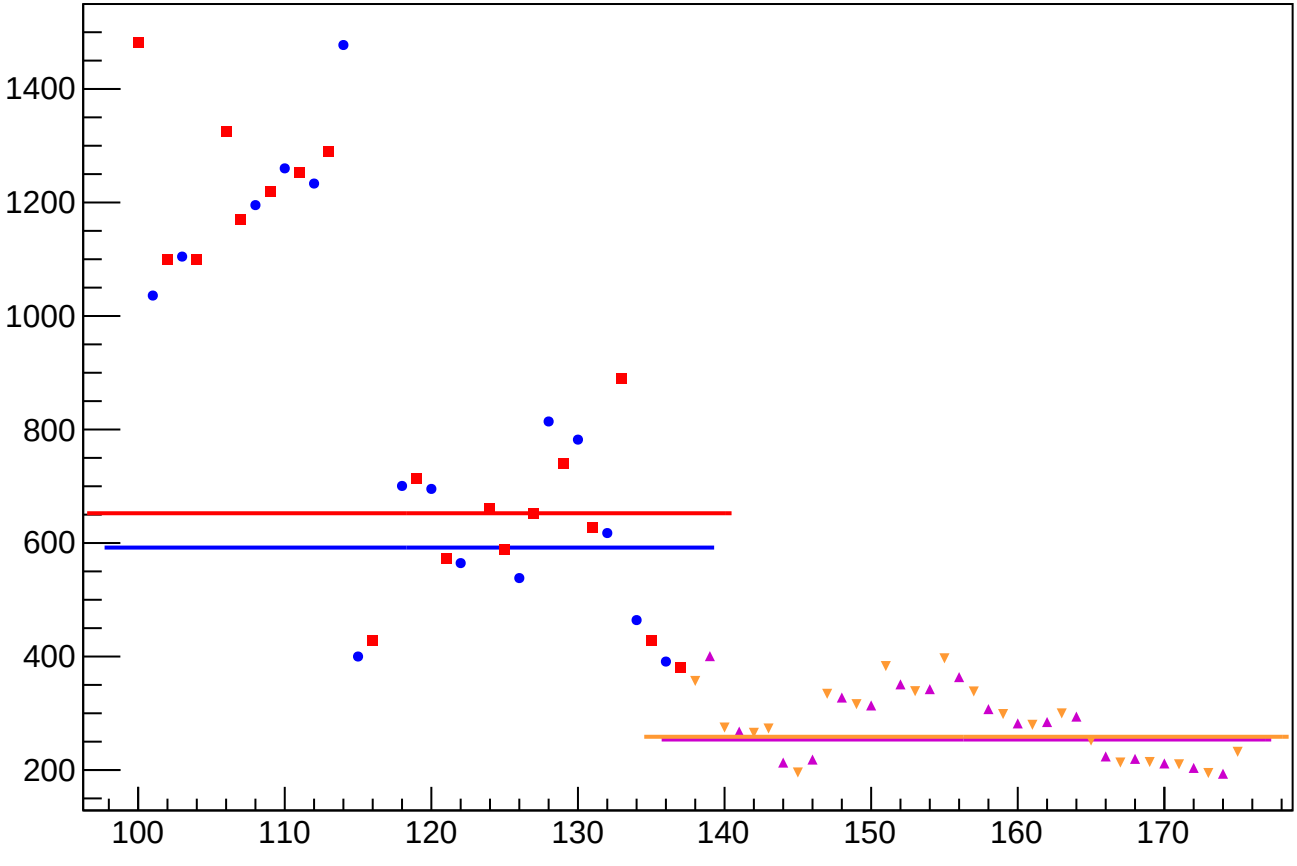
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 37.694+/-65.109 χ^2/NDF:42.0/33

Out: 304.586+/-64.643 χ^2/NDF:72.3/38

All: 172.100+/-45.873 χ^2/NDF: 122.7/72

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 258.631+/-0.047 χ^2/NDF:1479603.9/19

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 253.764+/-0.048 χ^2/NDF:1388610.5/17

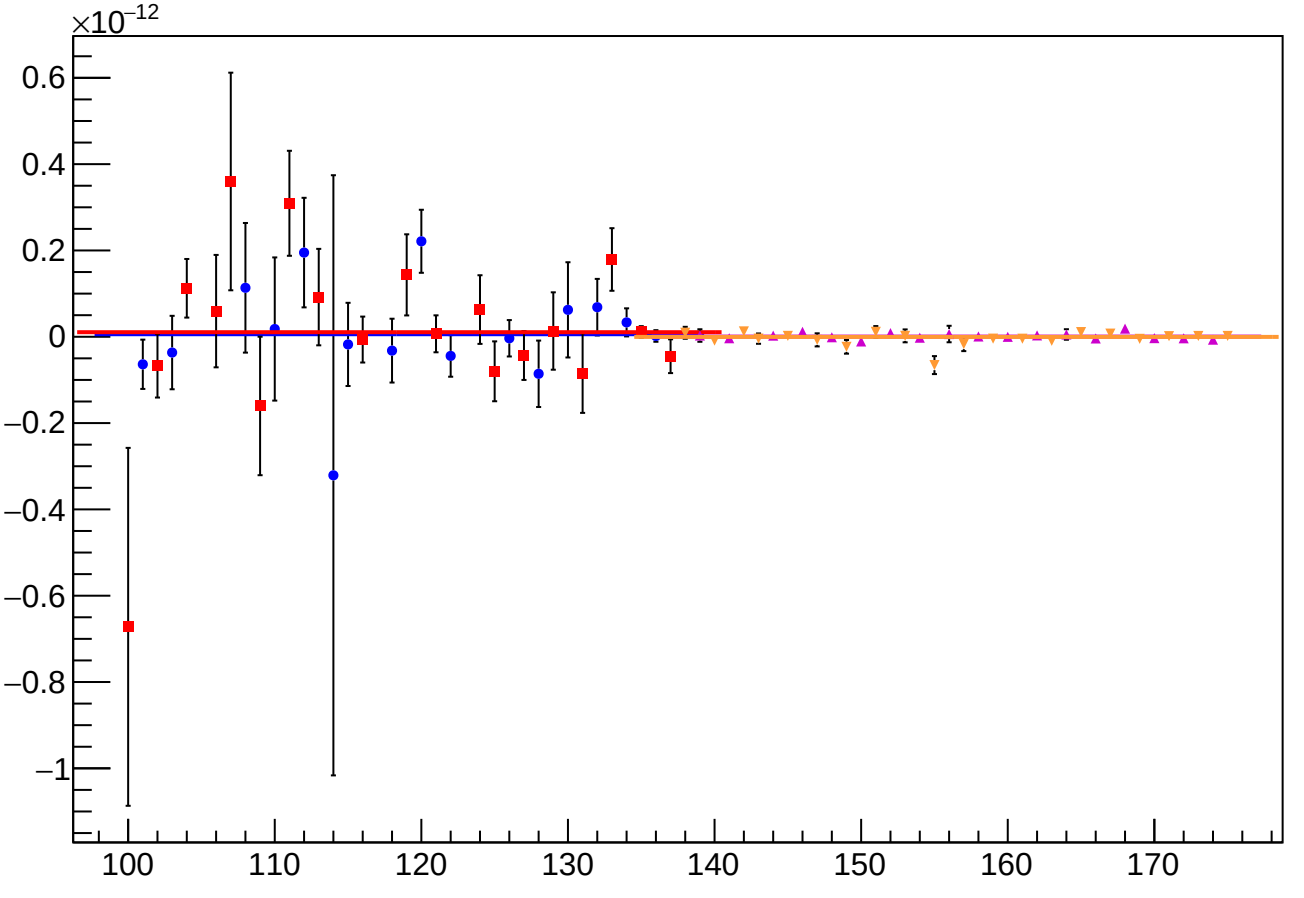
Left: 256.230+/-0.034 χ^2/NDF: 2873456.8/37

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 278.881+/-0.046 χ^2/NDF:7134367.1/33

Out: 283.309+/-0.046 χ^2/NDF:7929697.0/38

All: 281.111+/-0.032 χ^2/NDF: 15068722.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/17

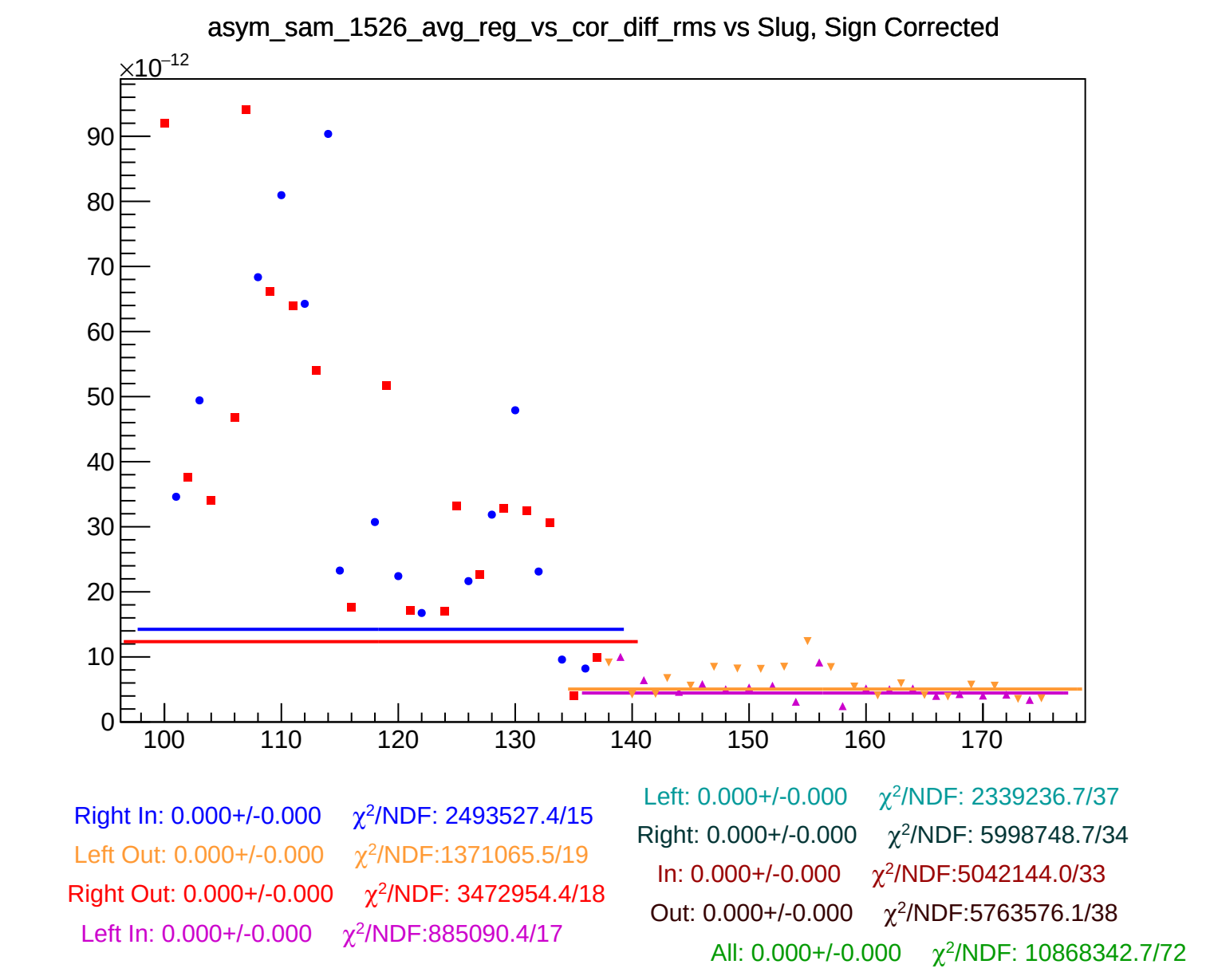
Left: 0.000+/-0.000 χ^2/NDF: 33.3/37

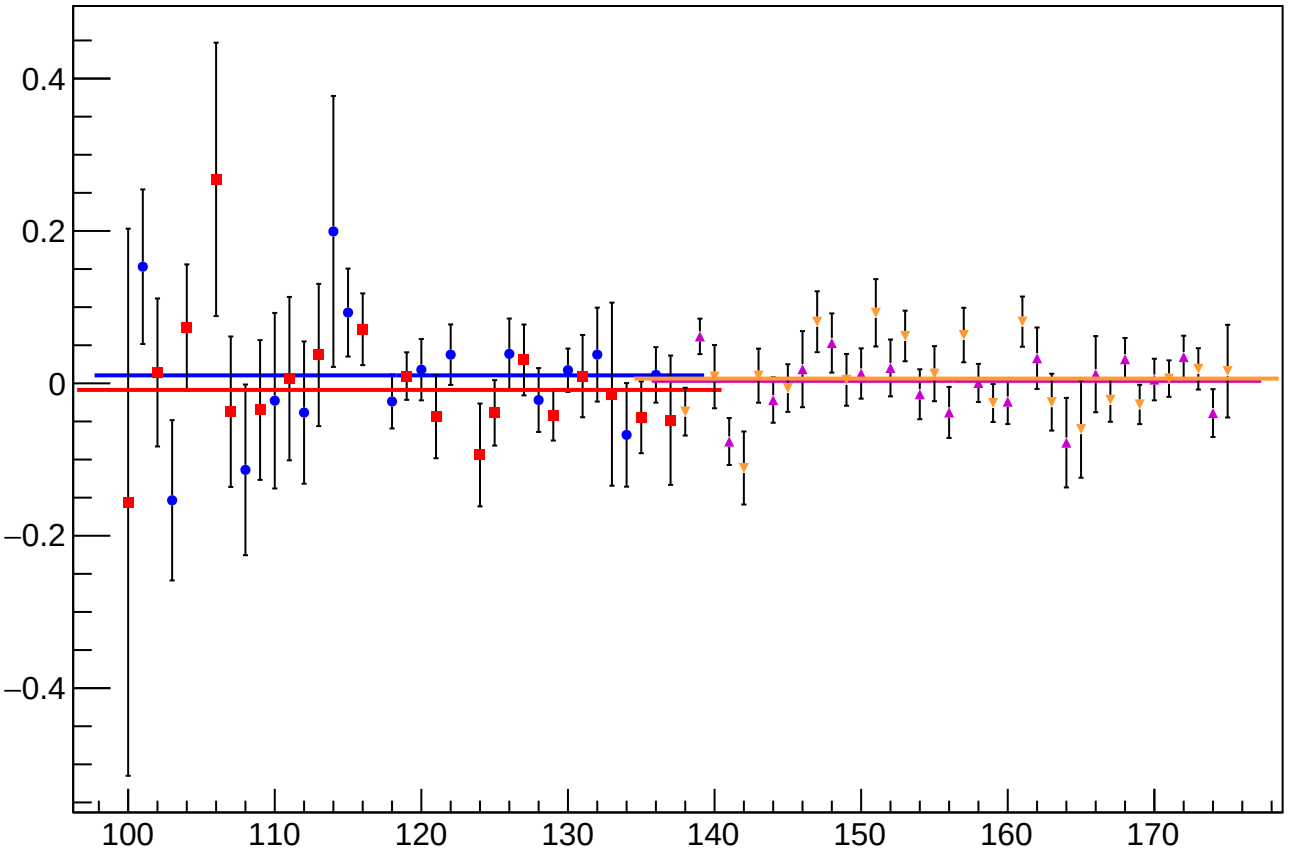
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:29.8/33

Out: 0.000+/-0.000 χ^2/NDF:52.5/38

All: 0.000+/-0.000 χ^2/NDF: 82.3/72


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1371065.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:885090.4/17
Left: 0.000+/-0.000 χ²/NDF: 2339236.7/37
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5042144.0/33
Out: 0.000+/-0.000 χ²/NDF:5763576.1/38
All: 0.000+/-0.000 χ²/NDF: 10868342.7/72



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

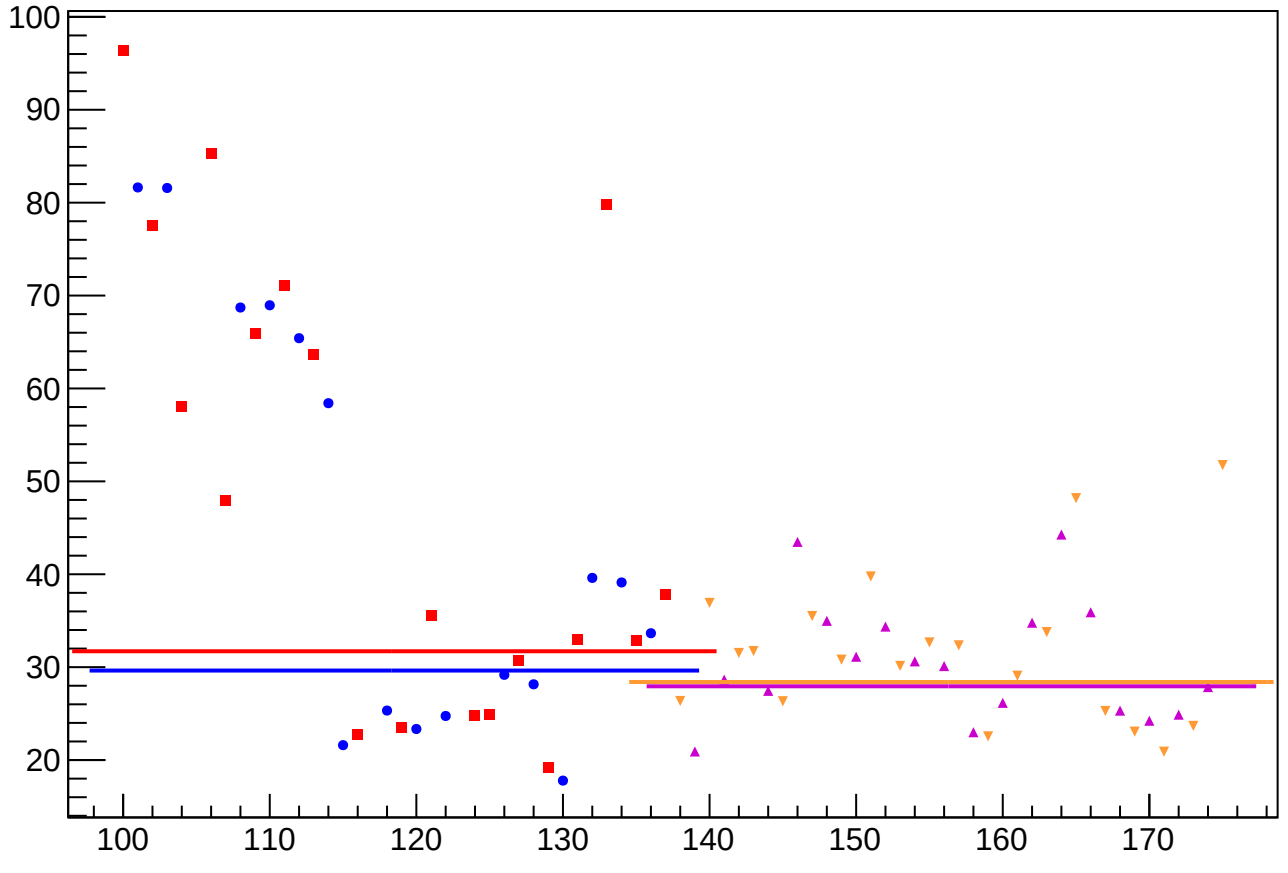
Left: 0.005+/-0.005 χ^2/NDF: 57.4/37

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/72



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

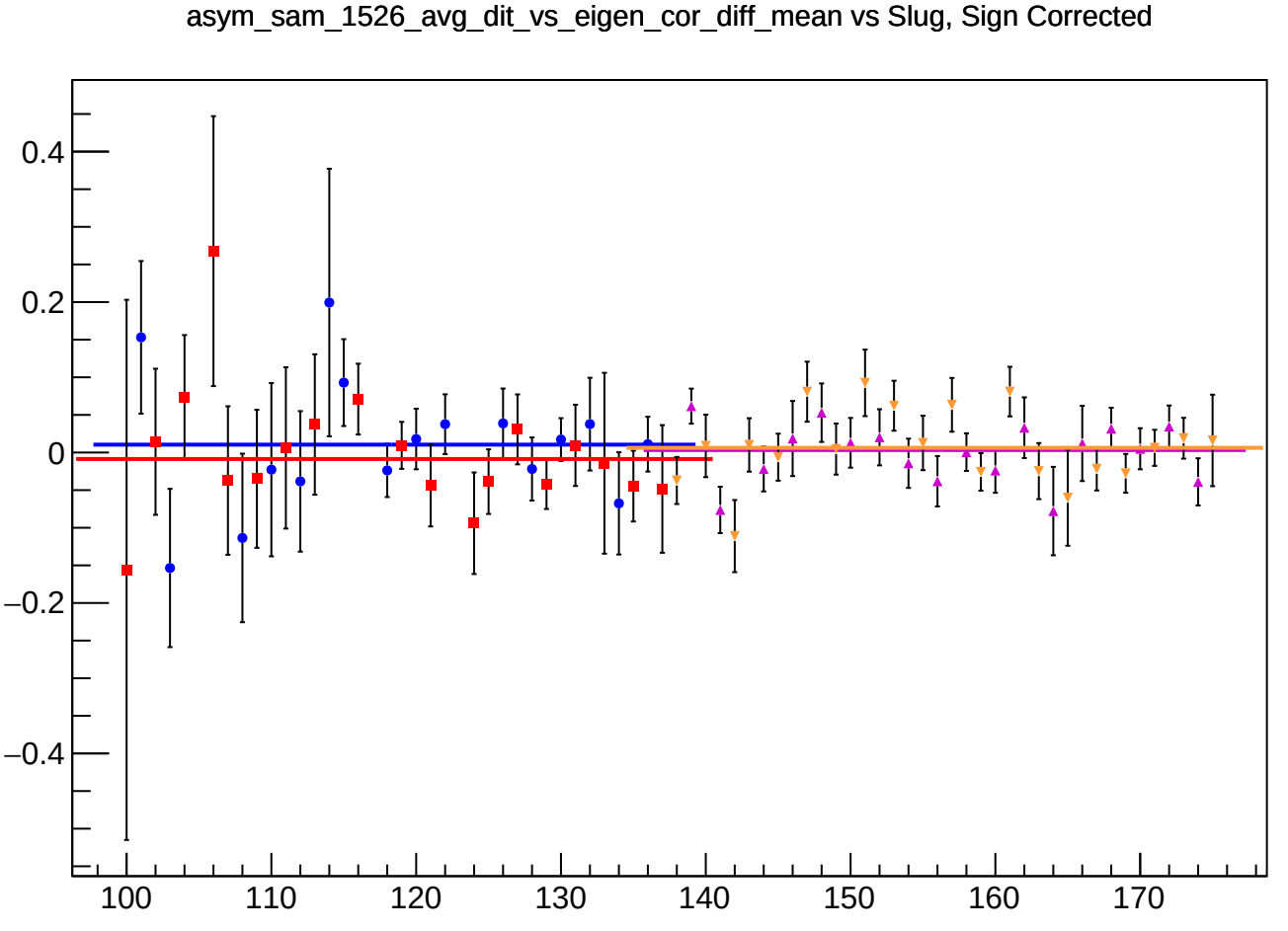
Left: 28.172+/-0.004 χ^2/NDF: 2369927.4/37

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.390+/-0.005 χ^2/NDF:3444911.3/33

Out: 29.201+/-0.005 χ^2/NDF:4142842.5/38

All: 28.793+/-0.003 χ^2/NDF: 7603365.1/72



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

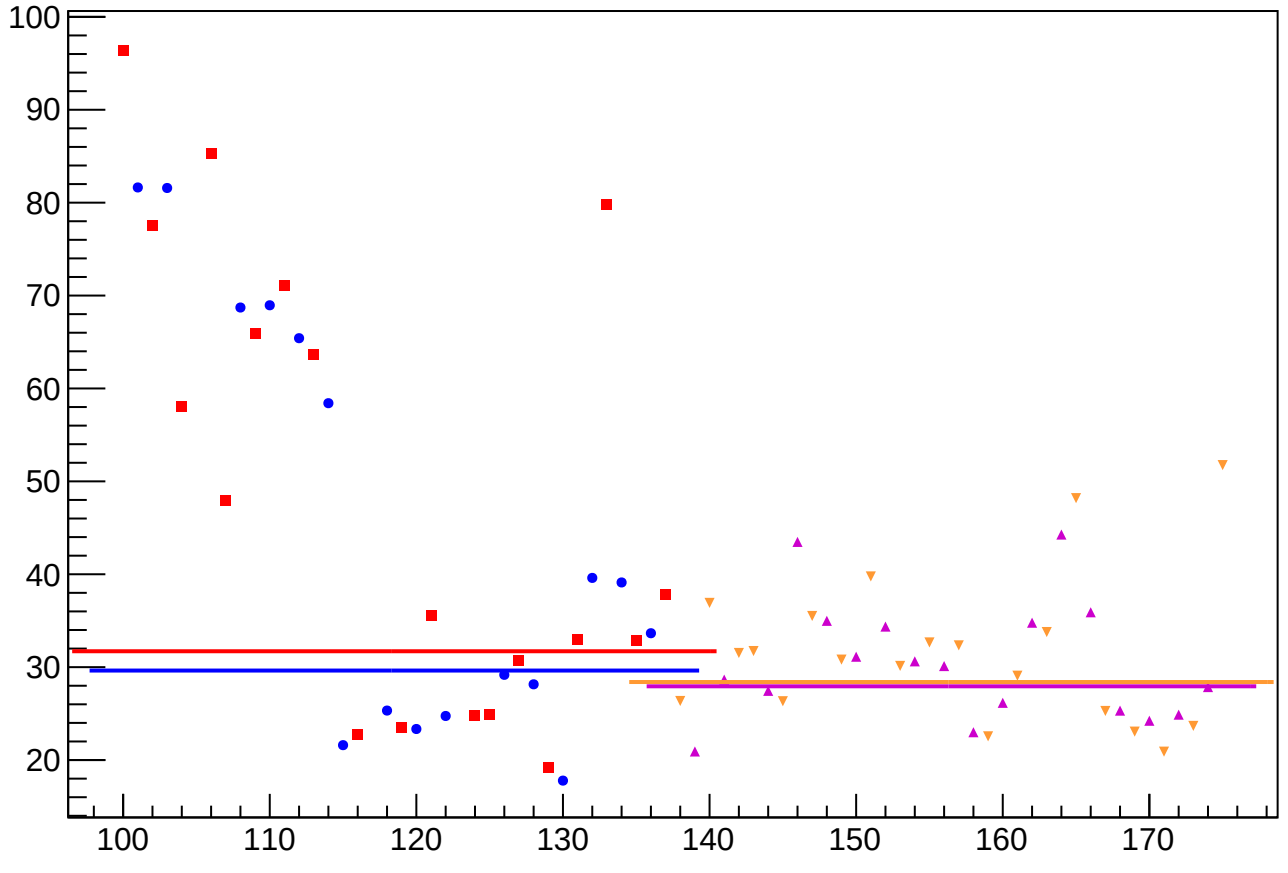
Left: 0.005+/-0.005 χ^2/NDF: 57.4/37

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/72



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

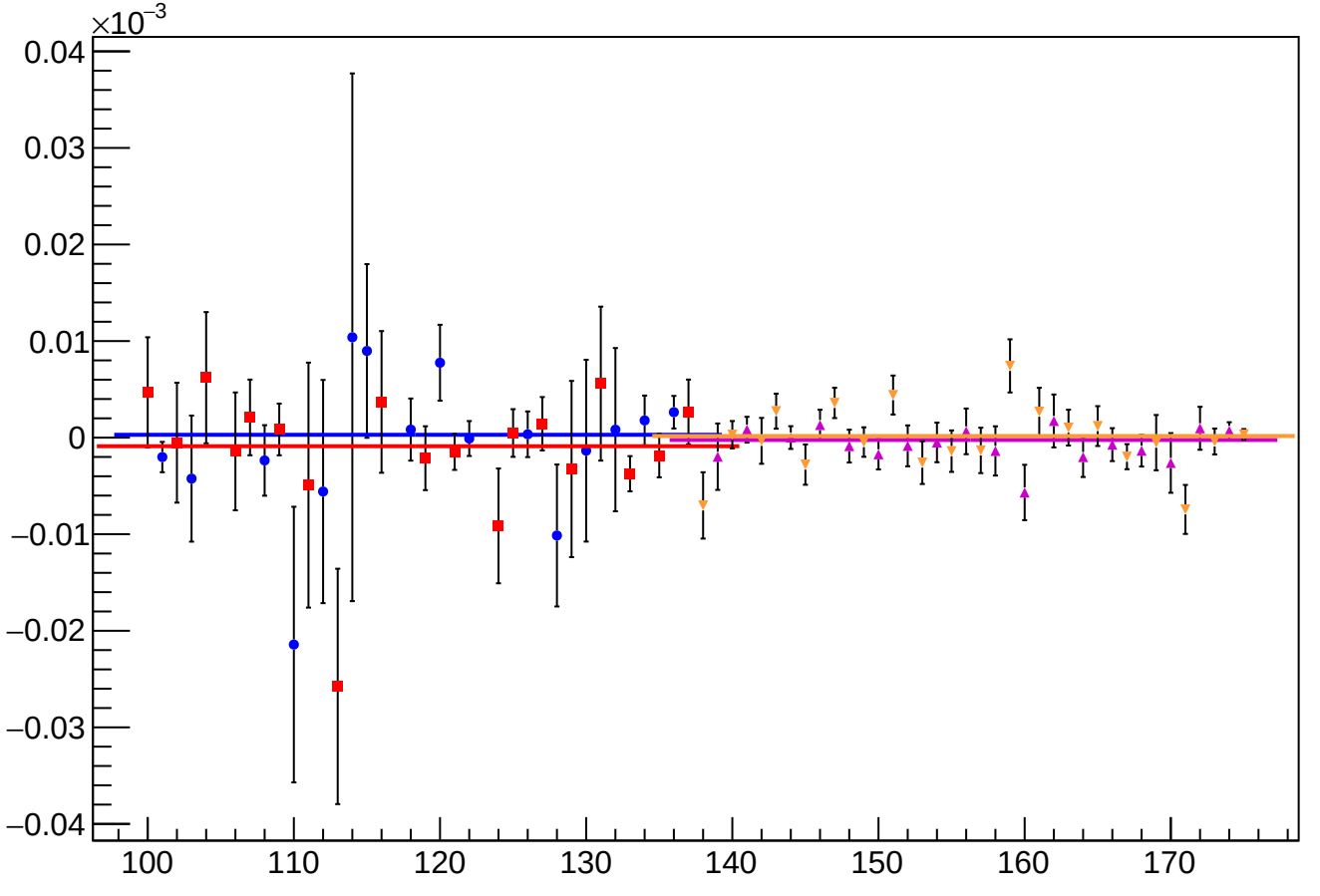
Left: 28.172+/-0.004 χ^2/NDF: 2369927.4/37

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.390+/-0.005 χ^2/NDF:3444911.3/33

Out: 29.201+/-0.005 χ^2/NDF:4142842.5/38

All: 28.793+/-0.003 χ^2/NDF: 7603365.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/17

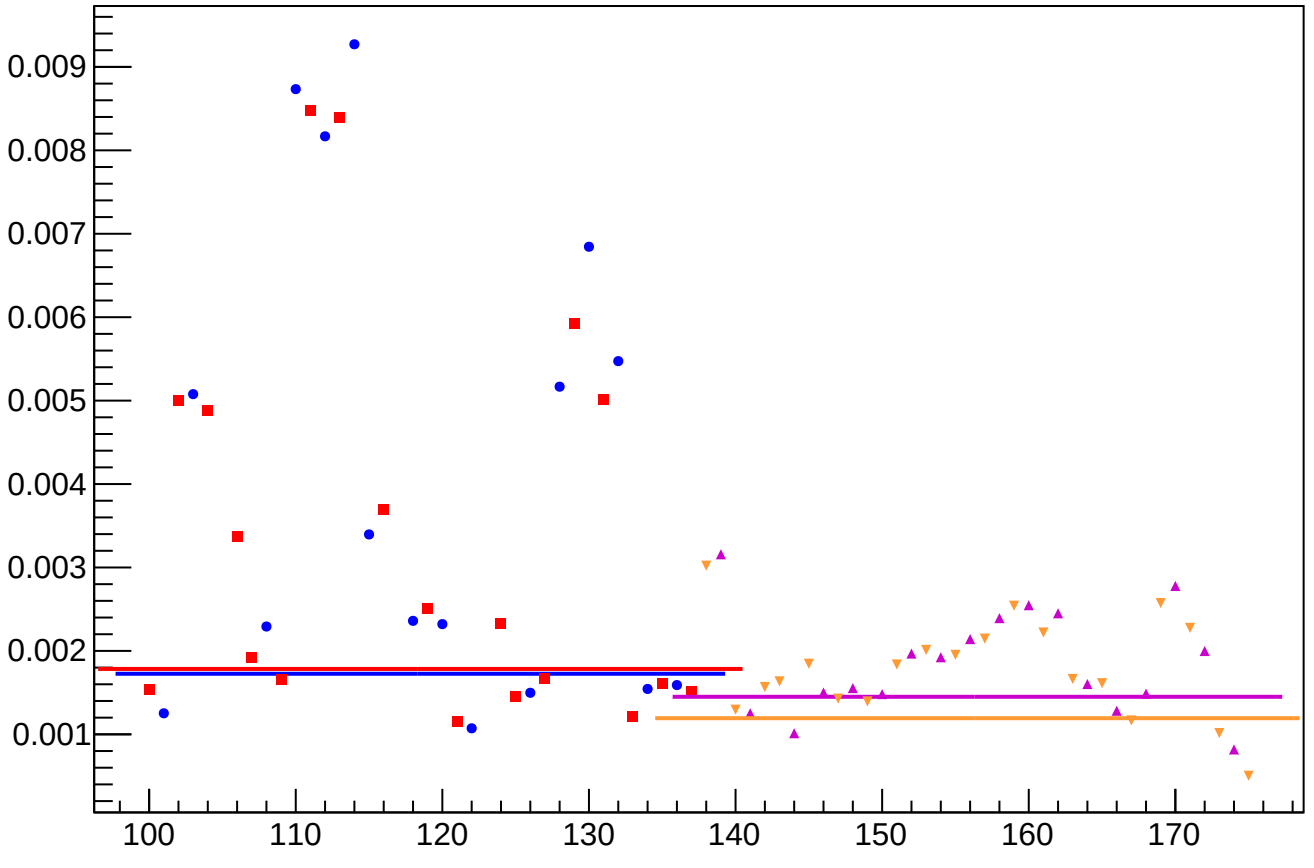
Left: -0.000+/-0.000 χ^2/NDF: 52.1/37

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:25.9/33

Out: -0.000+/-0.000 χ^2/NDF:57.7/38

All: -0.000+/-0.000 χ^2/NDF: 83.7/72



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7016033.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:3580872.9/17

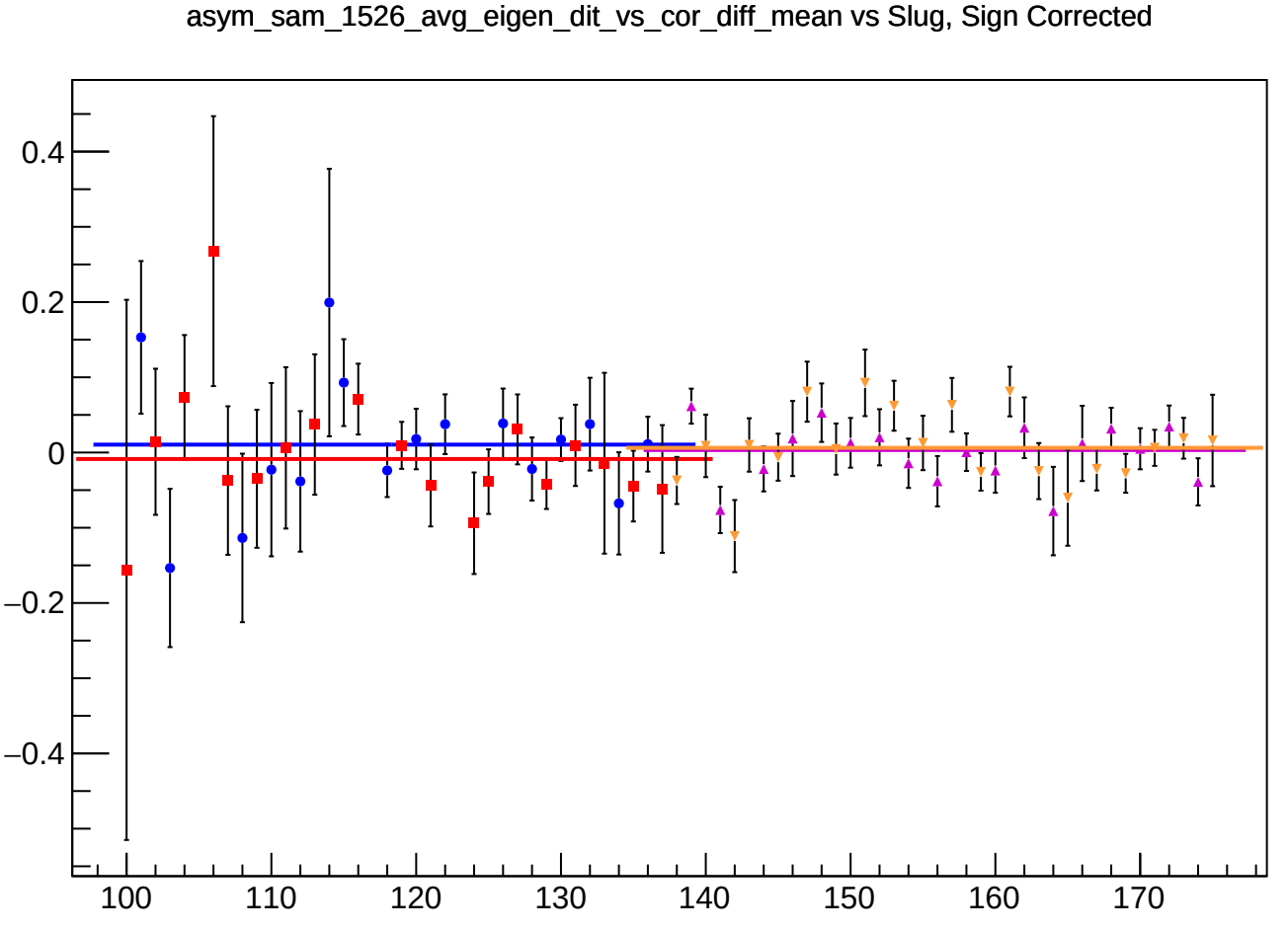
Left: 0.001+/-0.000 χ^2/NDF: 11061636.1/37

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:7717934.1/33

Out: 0.001+/-0.000 χ^2/NDF:11701231.5/38

All: 0.001+/-0.000 χ^2/NDF: 19845538.7/72



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

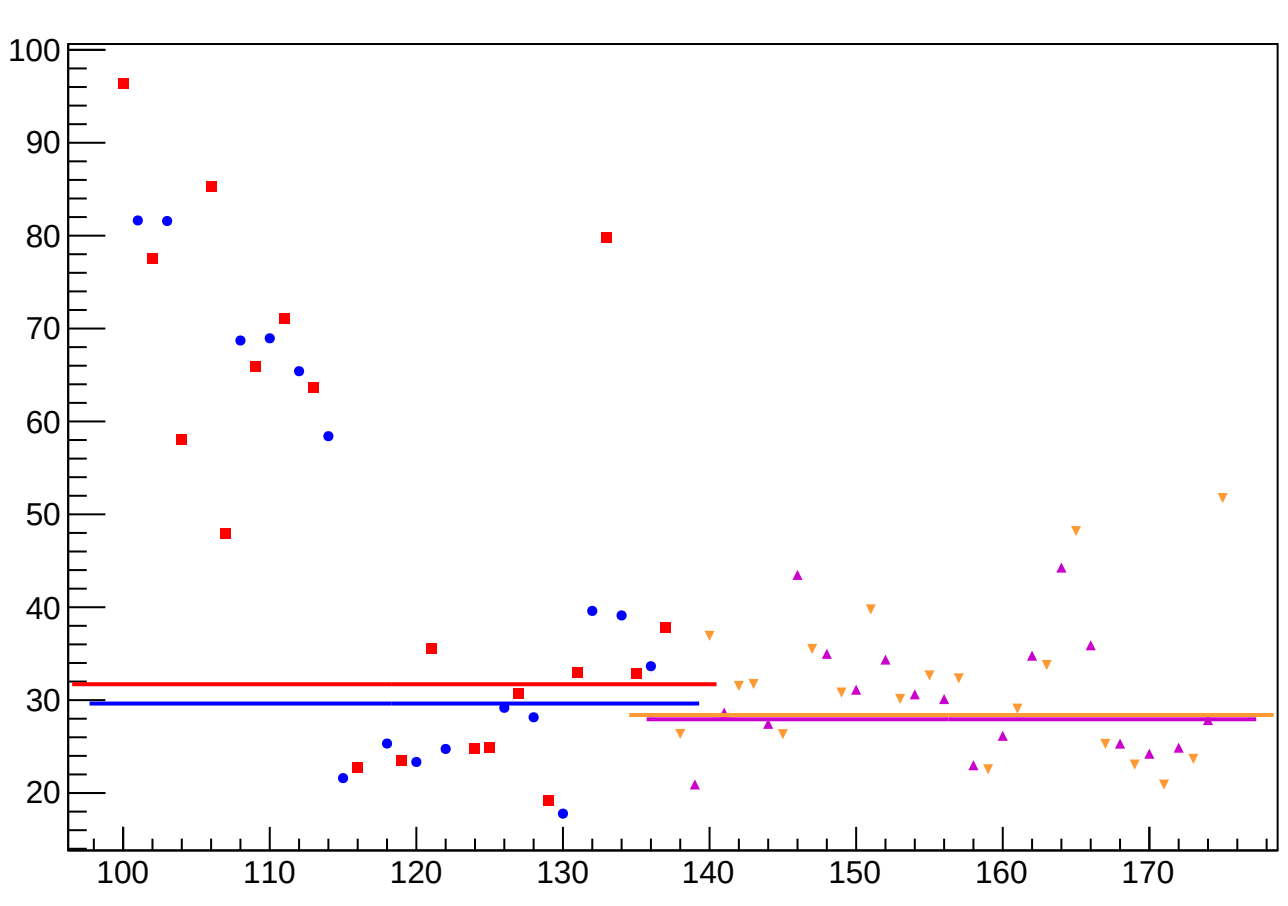
Left: 0.005+/-0.005 χ^2/NDF: 57.4/37

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.3/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/72



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

Left: 28.172+/-0.004 χ^2/NDF: 2369968.5/37

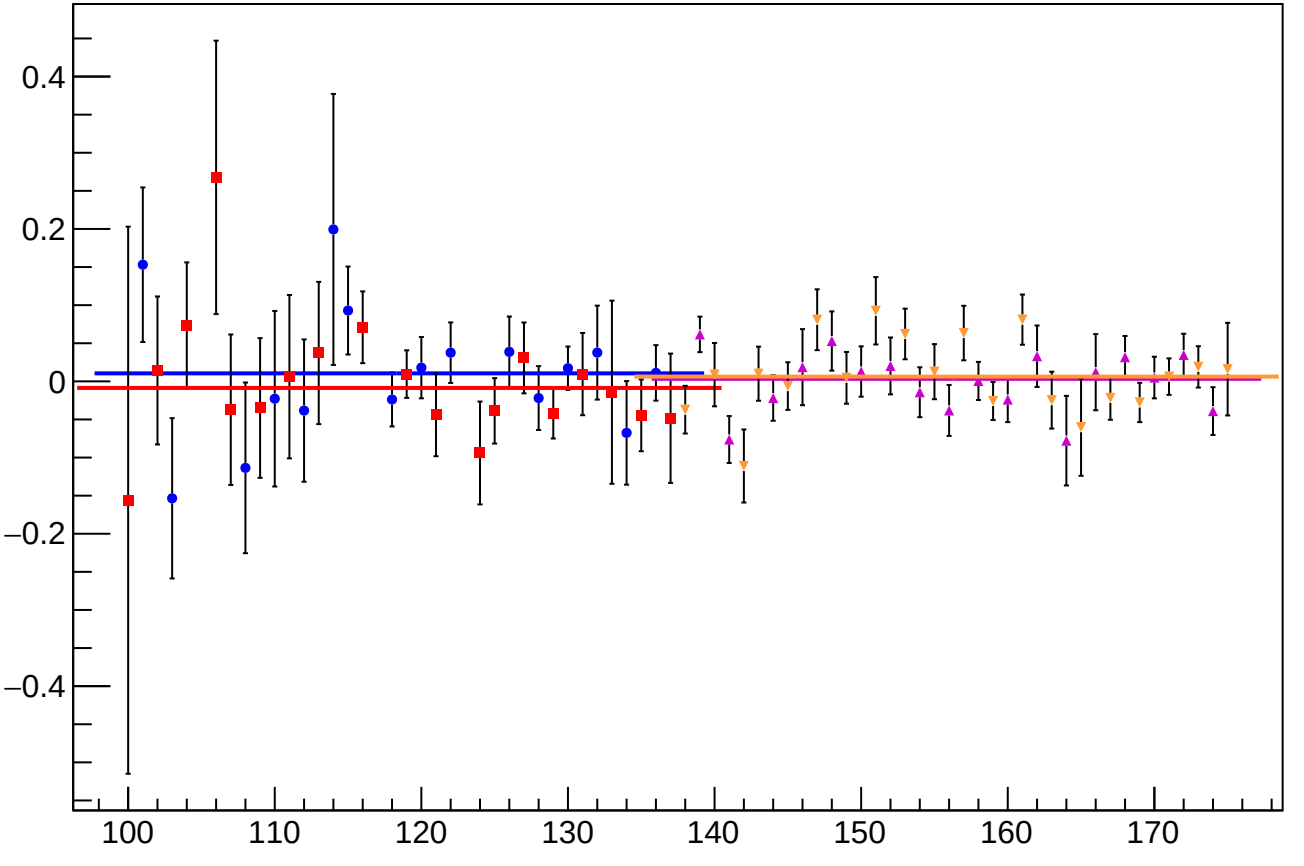
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.390+/-0.005 χ^2/NDF:3445071.9/33

Out: 29.201+/-0.005 χ^2/NDF:4142967.9/38

All: 28.793+/-0.003 χ^2/NDF: 7603646.6/72

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

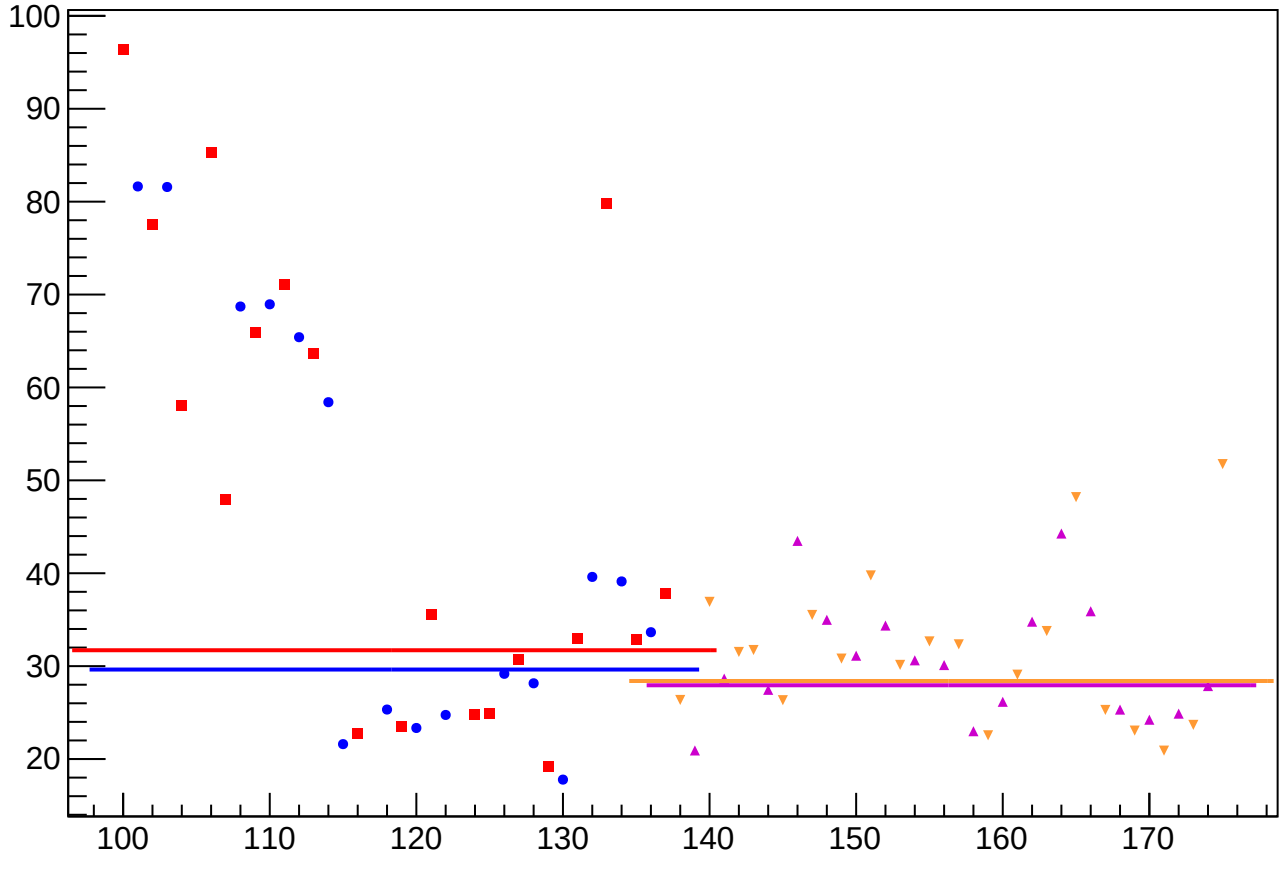
Left: 0.005+/-0.005 χ^2/NDF: 57.4/37

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.3/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/72



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

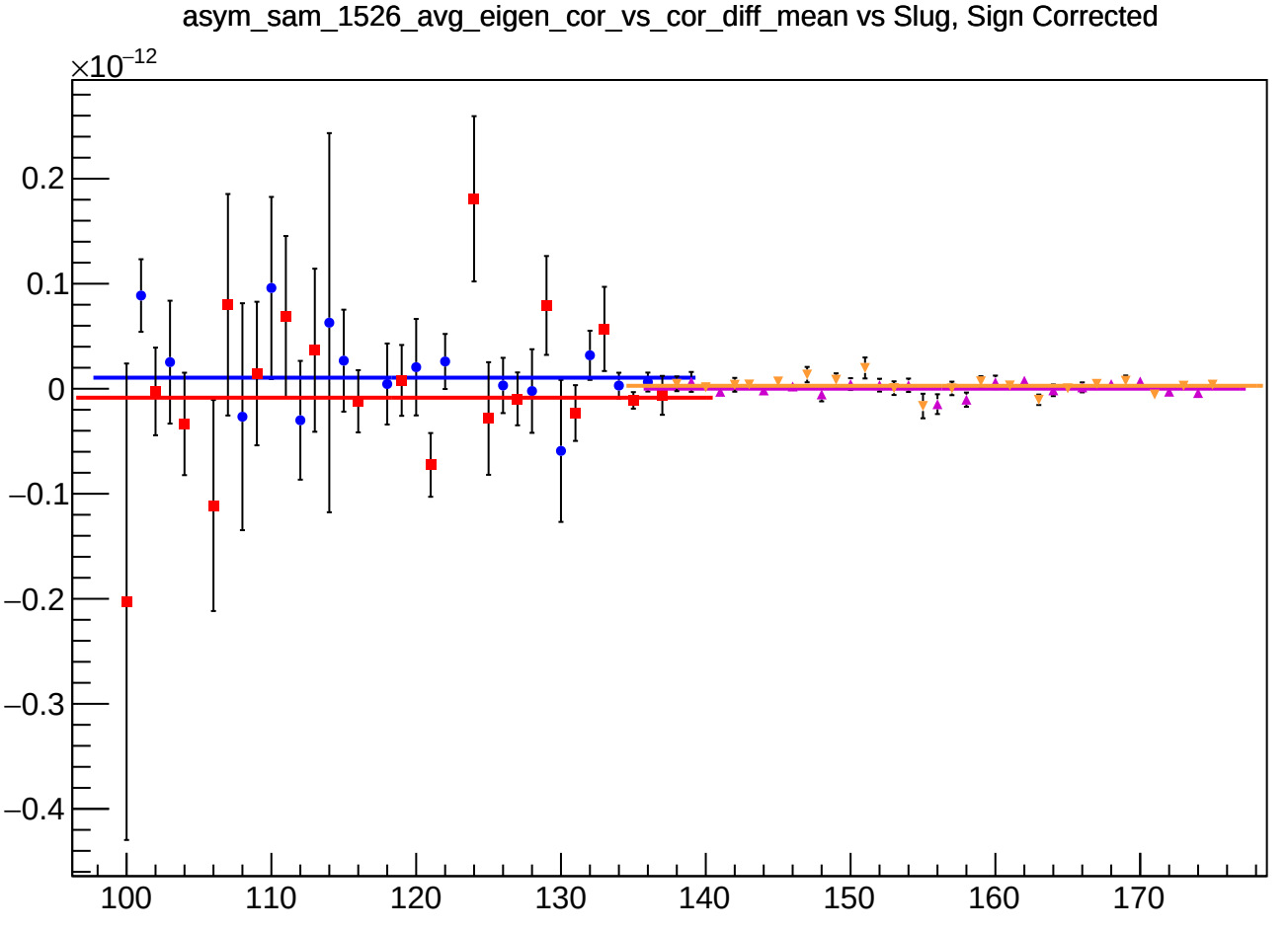
Left: 28.172+/-0.004 χ^2/NDF: 2369968.5/37

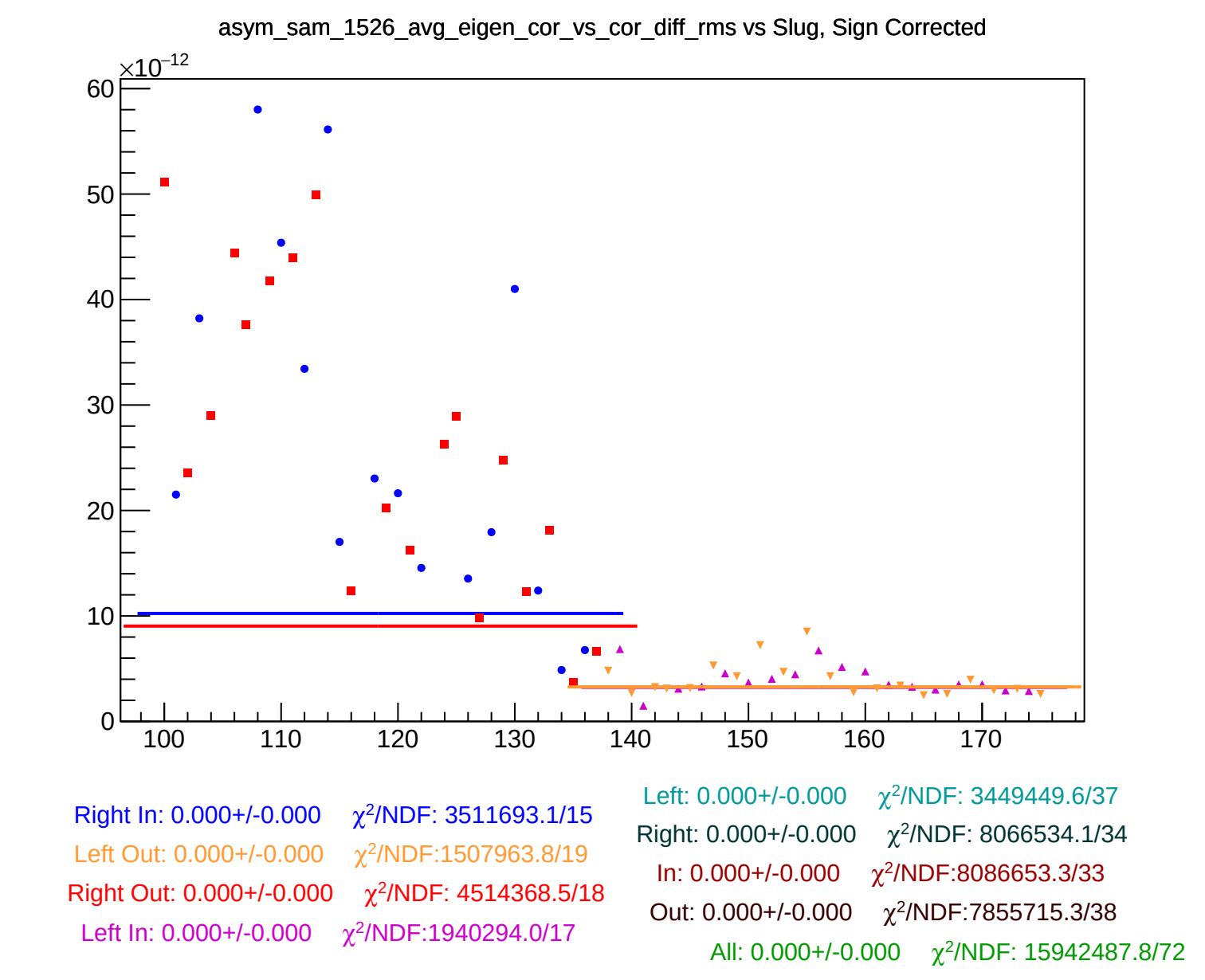
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

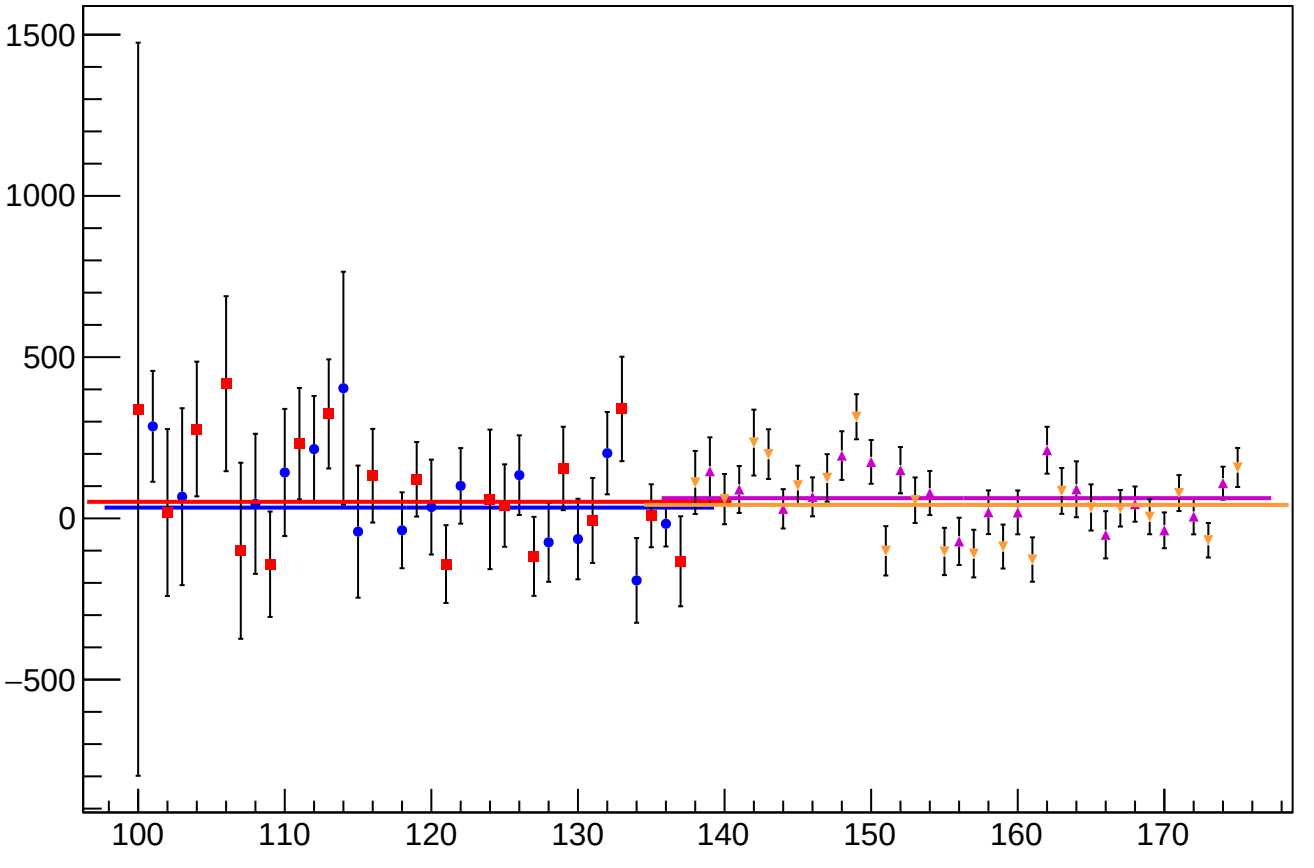
In: 28.390+/-0.005 χ^2/NDF:3445071.9/33

Out: 29.201+/-0.005 χ^2/NDF:4142967.9/38

All: 28.793+/-0.003 χ^2/NDF: 7603646.6/72


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:23.5/19
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:17.3/17
Left: 0.000+/-0.000 χ²/NDF: 43.8/37
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:30.3/33
Out: 0.000+/-0.000 χ²/NDF:48.5/38
All: 0.000+/-0.000 χ²/NDF: 80.5/72


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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:1507963.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1940294.0/17
Left: 0.000+/-0.000 χ²/NDF: 3449449.6/37
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:8086653.3/33
Out: 0.000+/-0.000 χ²/NDF:7855715.3/38
All: 0.000+/-0.000 χ²/NDF: 15942487.8/72



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.835+/-15.162 χ^2/NDF:56.3/19

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 62.724+/-15.572 χ^2/NDF:24.5/17

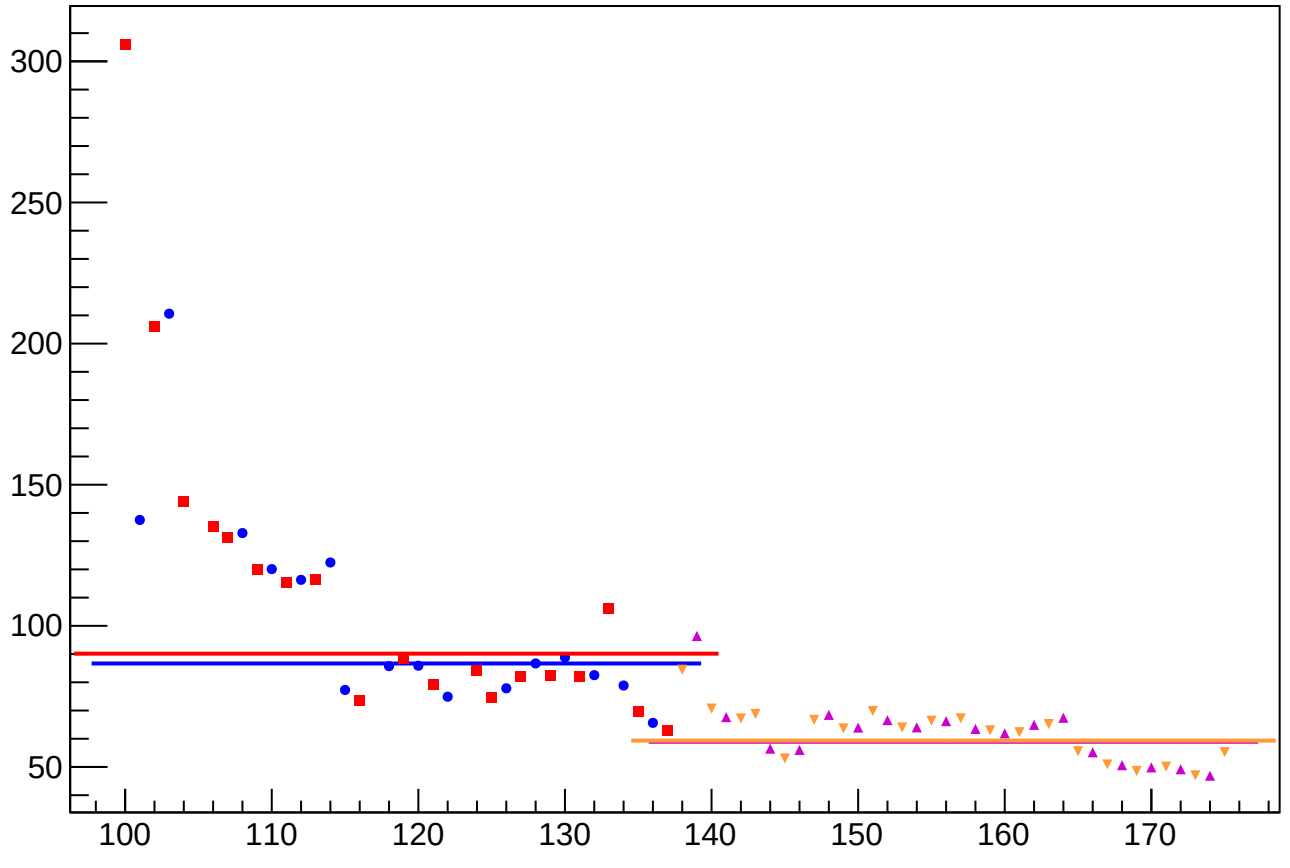
Left: 52.000+/-10.863 χ^2/NDF: 81.7/37

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 57.615+/-14.149 χ^2/NDF:37.9/33

Out: 43.347+/-13.903 χ^2/NDF:75.9/38

All: 50.356+/-9.917 χ^2/NDF: 114.4/72



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

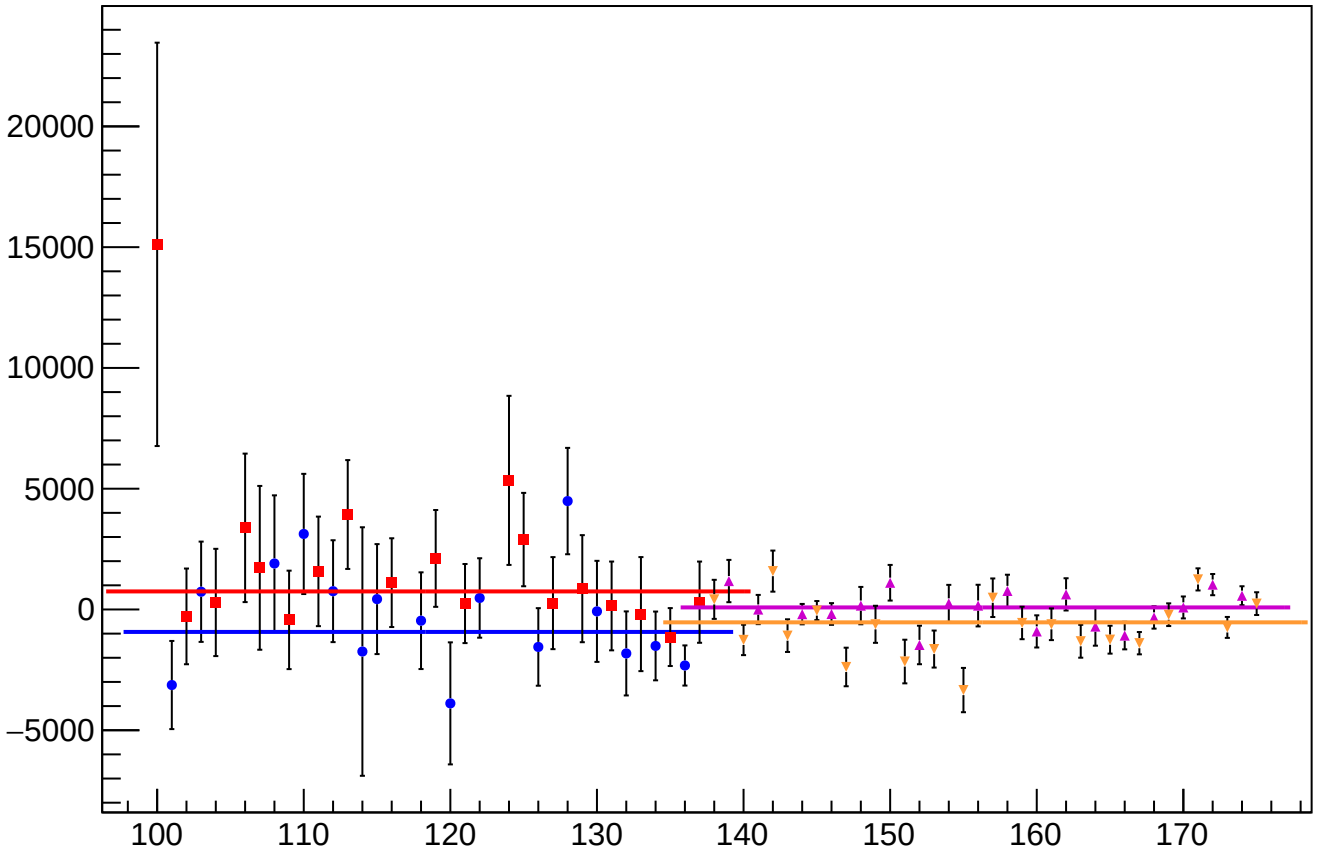
Left: 59.137+/-0.008 χ^2/NDF: 1386967.1/37

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 63.766+/-0.010 χ^2/NDF:2856787.9/33

Out: 64.239+/-0.010 χ^2/NDF:3140039.0/38

All: 64.007+/-0.007 χ^2/NDF: 5997961.0/72



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -533.232+/-133.053 χ^2/NDF:57.6/19

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 84.820+/-134.463 χ^2/NDF:24.2/17

Left: -227.464+/-94.577 χ^2/NDF: 92.5/37

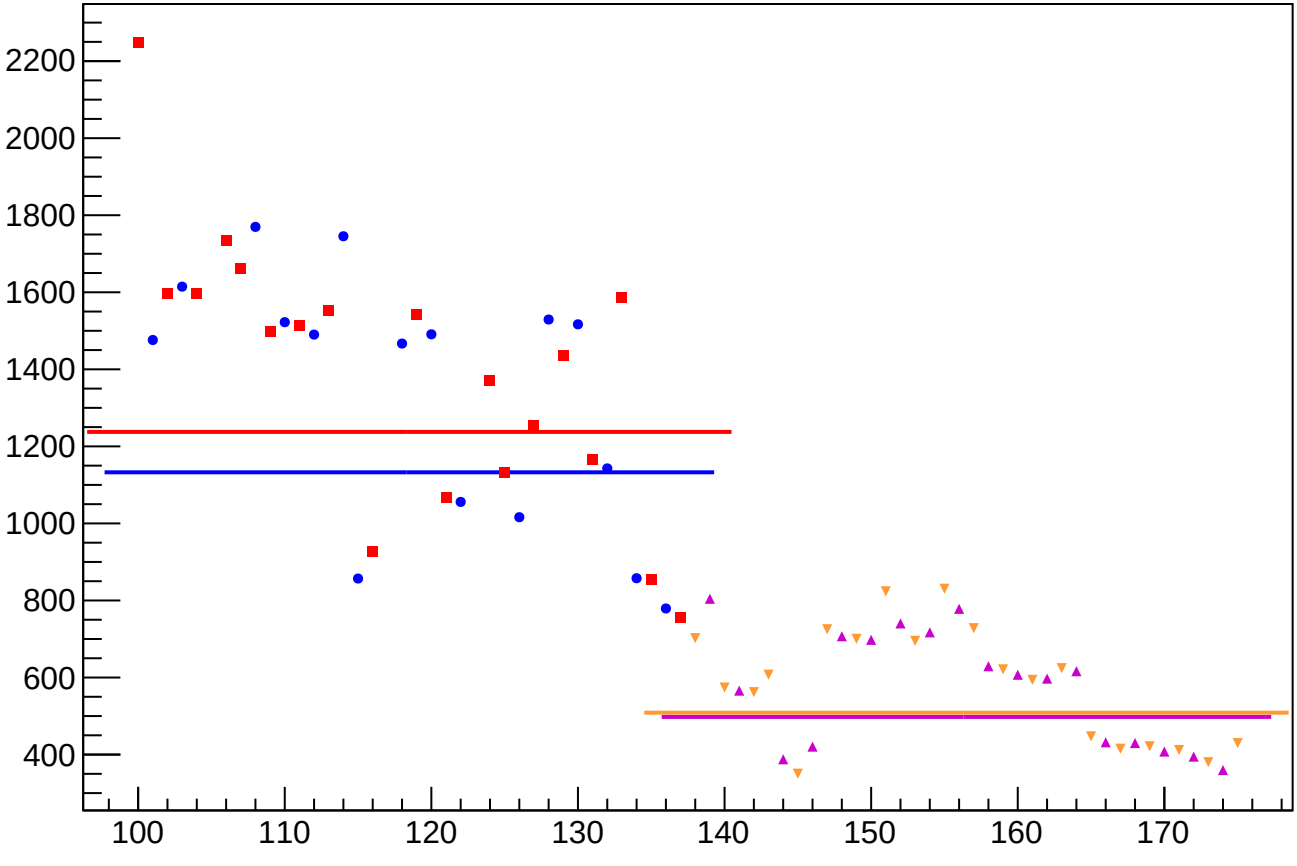
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -1.523+/-128.615 χ^2/NDF:47.6/33

Out: -437.441+/-127.979 χ^2/NDF:77.5/38

All: -220.561+/-90.719 χ^2/NDF: 130.9/72

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 508.818+/-0.094 χ^2/NDF:2181296.7/19

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 497.777+/-0.095 χ^2/NDF:2045373.8/17

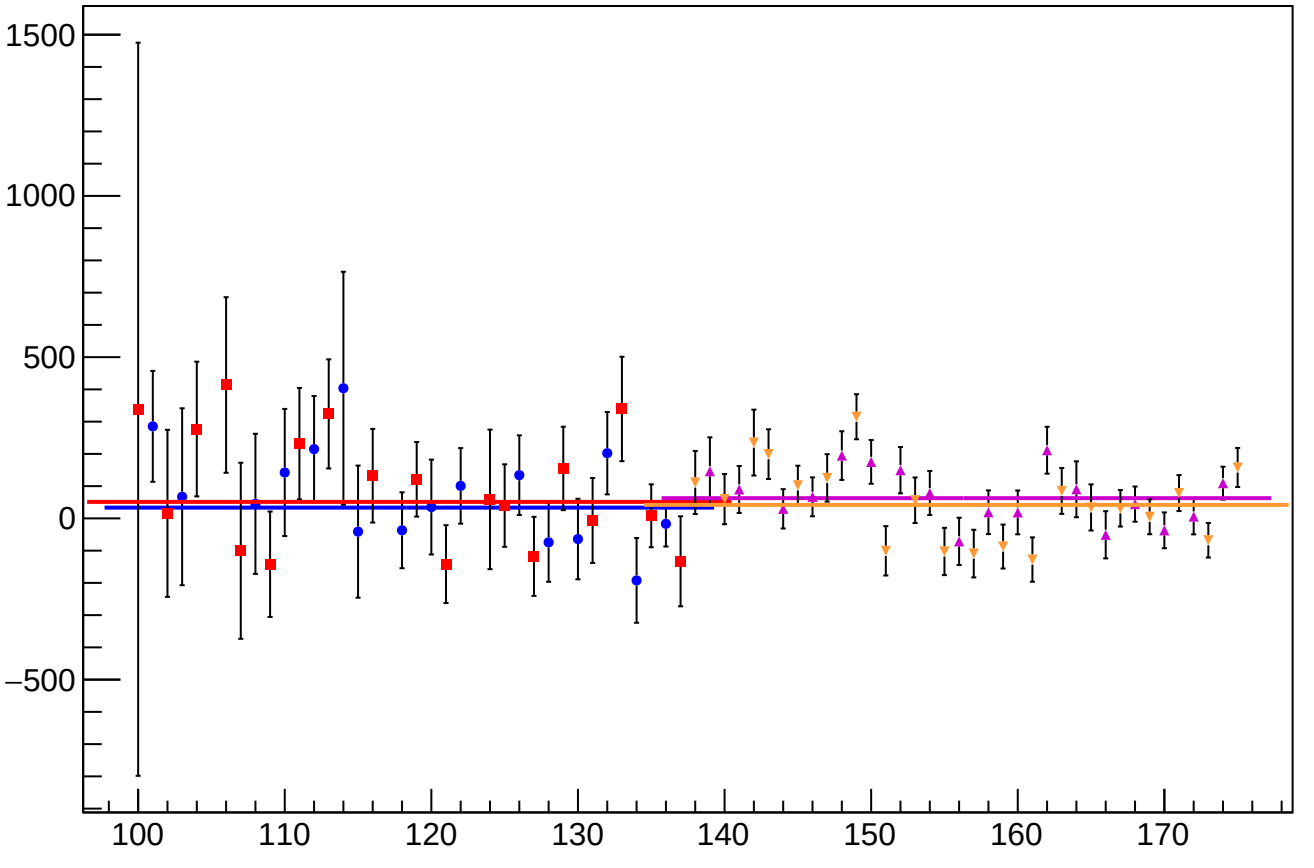
Left: 503.356+/-0.067 χ^2/NDF: 4233483.0/37

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 551.806+/-0.091 χ^2/NDF:6964105.5/33

Out: 563.338+/-0.090 χ^2/NDF:7565457.6/38

All: 557.601+/-0.064 χ^2/NDF: 14537642.3/72



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 62.722+/-15.572 χ^2/NDF:24.5/17

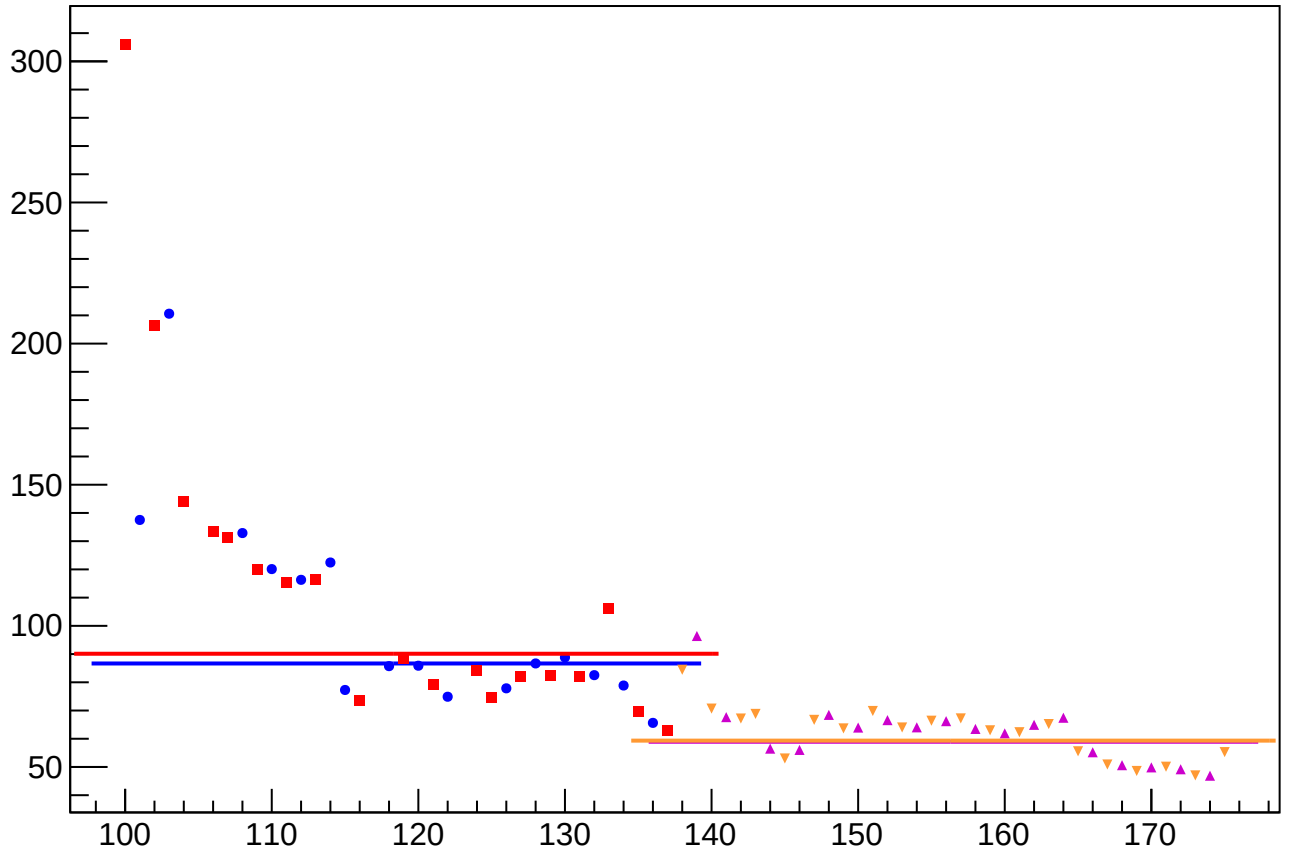
Left: 52.000+/-10.863 χ^2/NDF: 81.7/37

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 57.612+/-14.149 χ^2/NDF:37.9/33

Out: 43.324+/-13.903 χ^2/NDF:75.9/38

All: 50.343+/-9.917 χ^2/NDF: 114.3/72



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

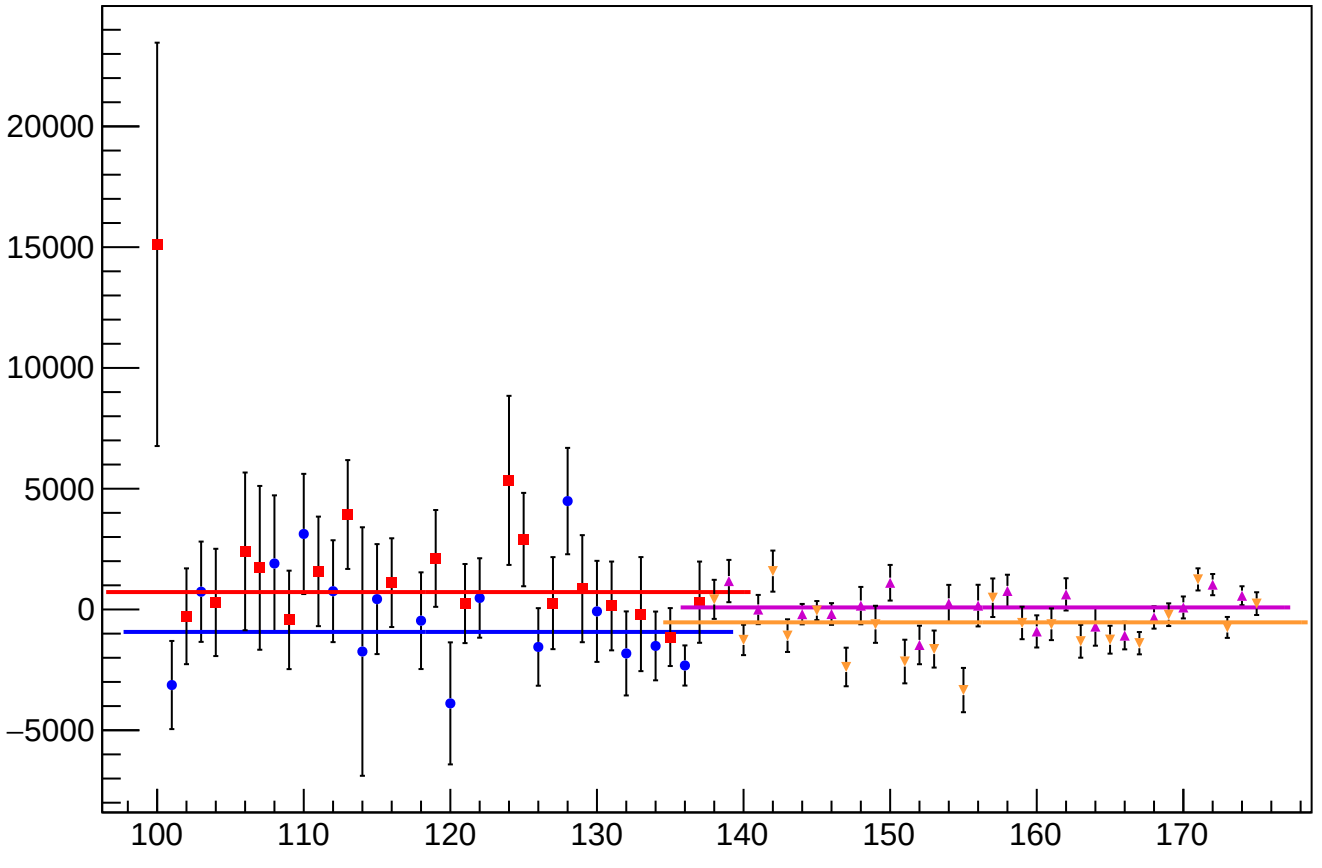
Left: 59.137+/-0.008 χ^2/NDF: 1386967.1/37

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.766+/-0.010 χ^2/NDF:2856790.2/33

Out: 64.232+/-0.010 χ^2/NDF:3132047.4/38

All: 64.003+/-0.007 χ^2/NDF: 5989941.2/72



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 84.817+/-134.463 χ^2/NDF:24.2/17

Left: -227.464+/-94.577 χ^2/NDF: 92.5/37

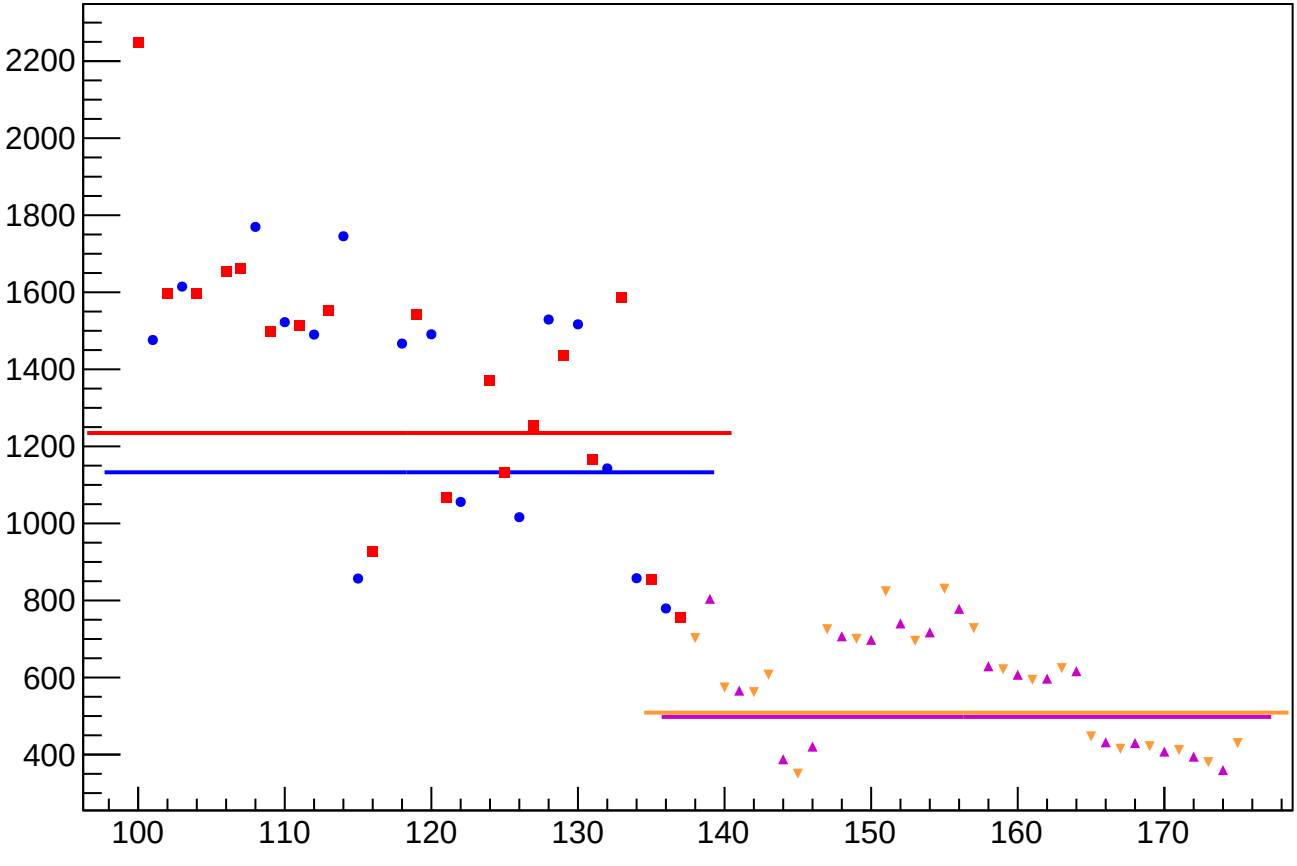
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -1.523+/-128.615 χ^2/NDF:47.6/33

Out: -439.665+/-127.992 χ^2/NDF:76.7/38

All: -221.656+/-90.723 χ^2/NDF: 130.1/72

asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 497.777+/-0.095 χ^2/NDF:2045375.4/17

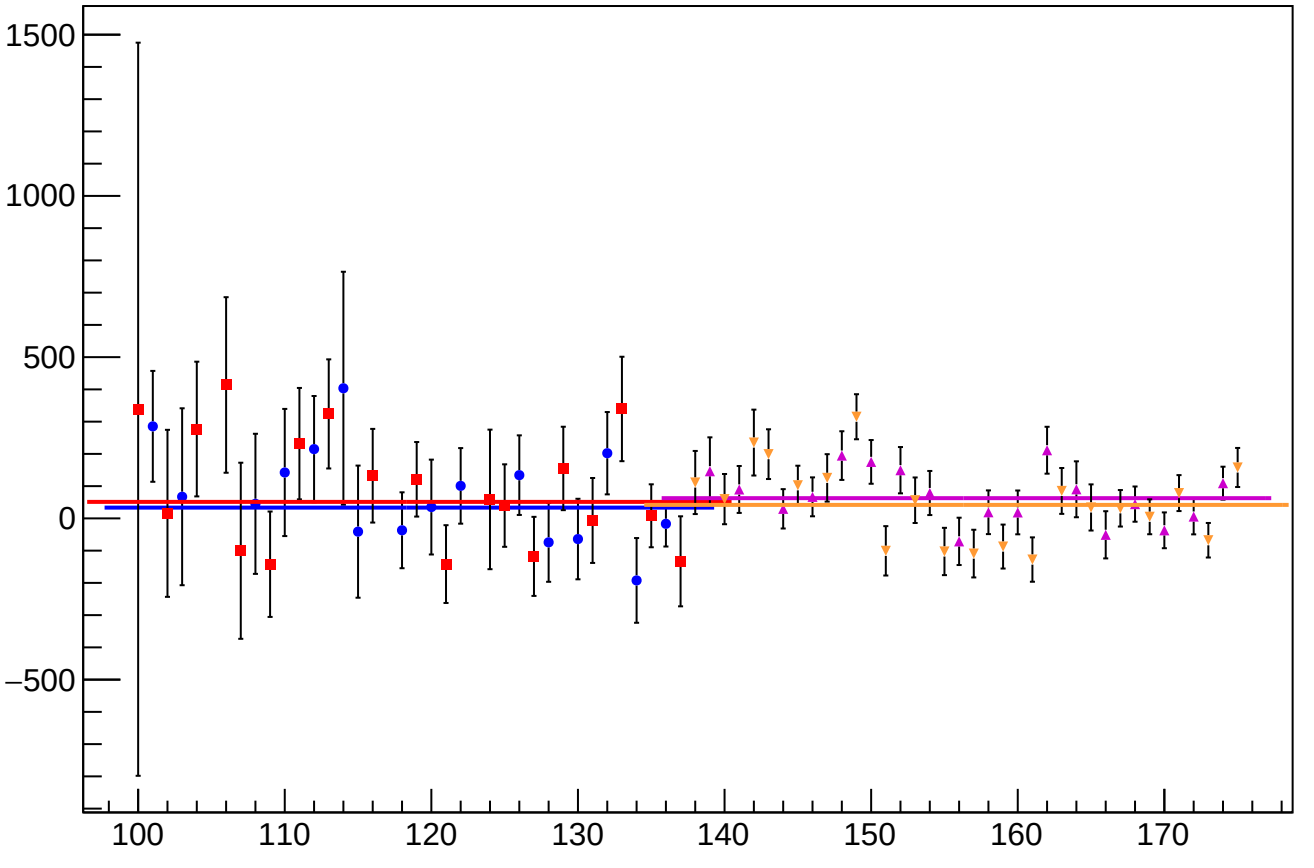
Left: 503.356+/-0.067 χ^2/NDF: 4233488.0/37

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 551.806+/-0.091 χ^2/NDF:6964139.4/33

Out: 562.986+/-0.091 χ^2/NDF:7499778.7/38

All: 557.423+/-0.064 χ^2/NDF: 14471510.3/72



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 62.722+/-15.572 χ^2/NDF:24.5/17

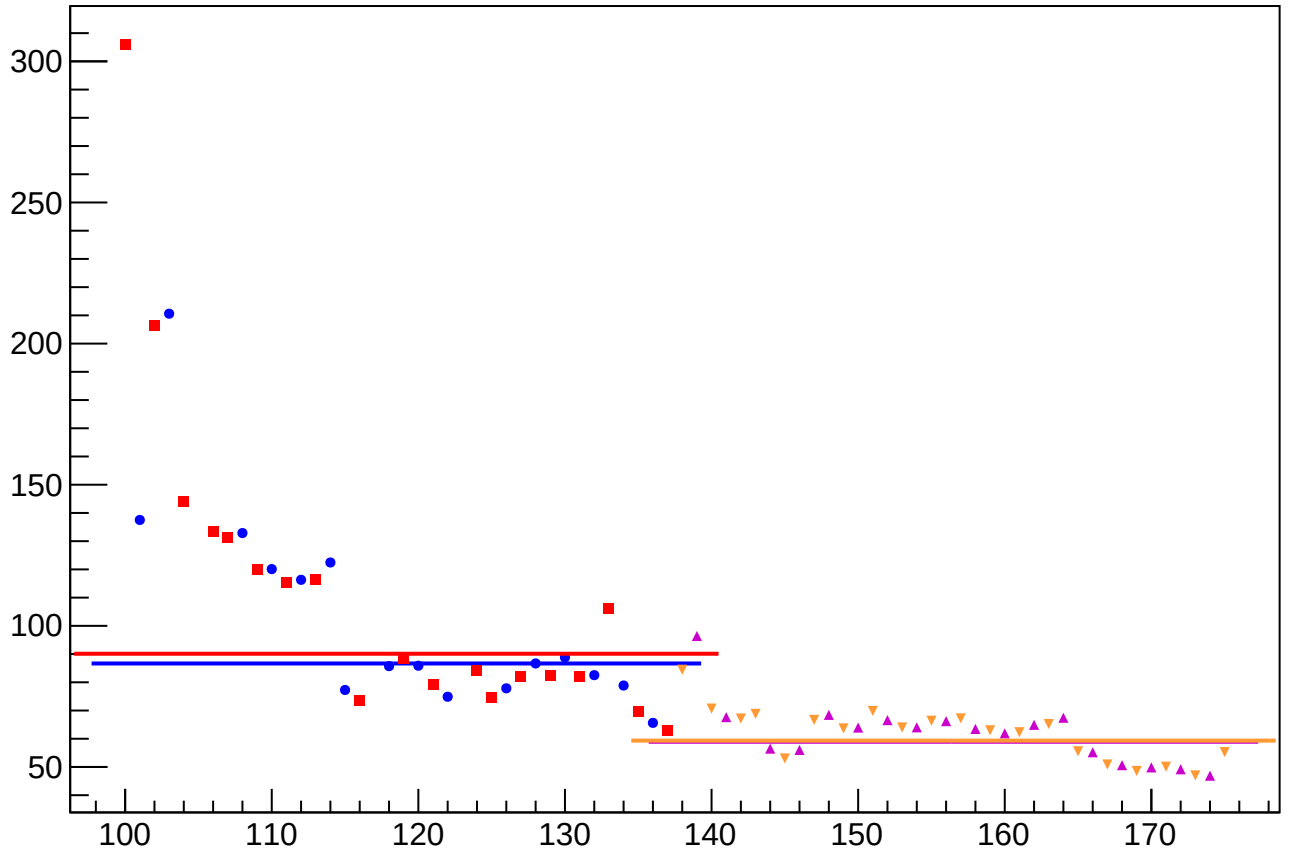
Left: 52.000+/-10.863 χ^2/NDF: 81.7/37

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 57.612+/-14.149 χ^2/NDF:37.9/33

Out: 43.324+/-13.903 χ^2/NDF:75.9/38

All: 50.343+/-9.917 χ^2/NDF: 114.3/72



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

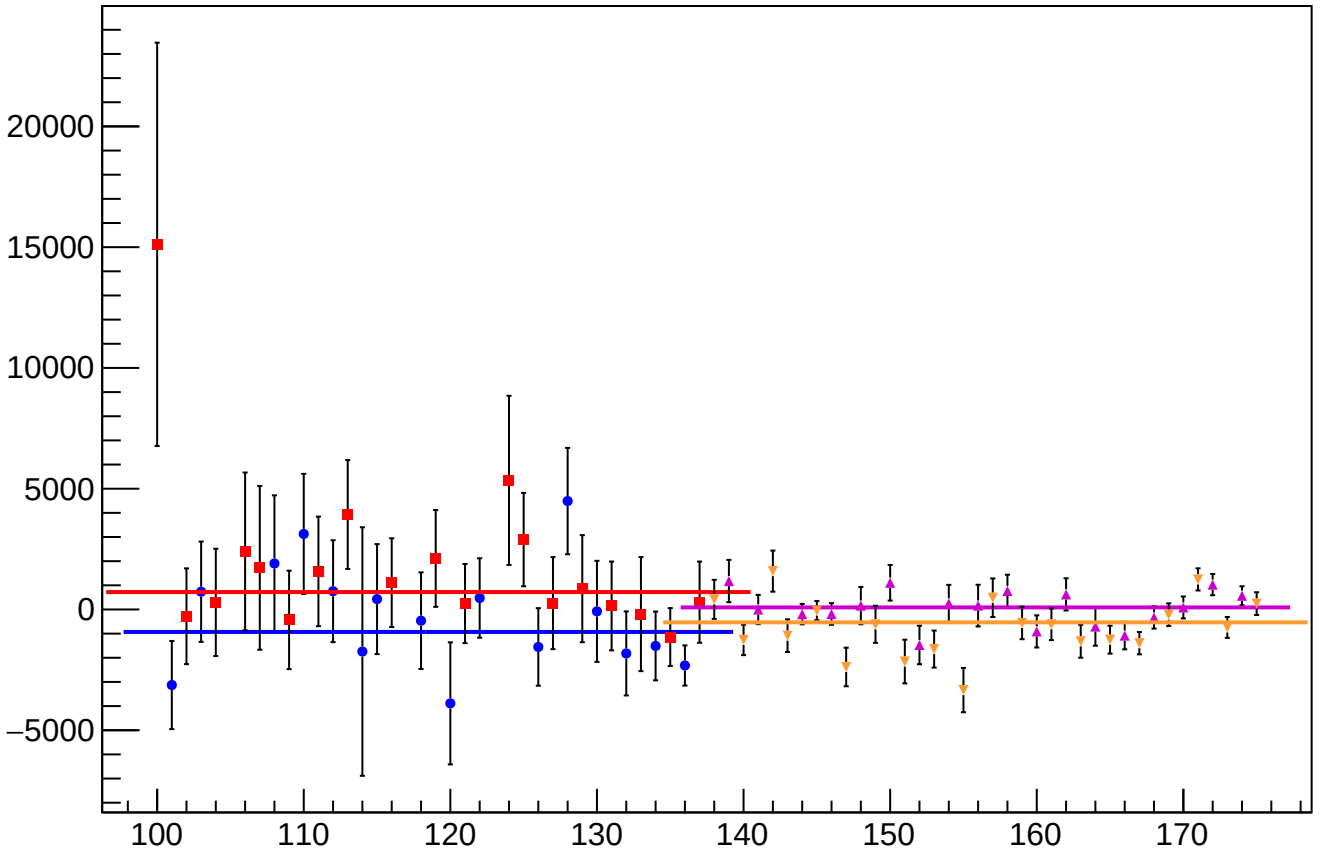
Left: 59.137+/-0.008 χ^2/NDF: 1386967.1/37

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.766+/-0.010 χ^2/NDF:2856790.2/33

Out: 64.232+/-0.010 χ^2/NDF:3132047.4/38

All: 64.003+/-0.007 χ^2/NDF: 5989941.2/72



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 84.817+/-134.463 χ^2/NDF:24.2/17

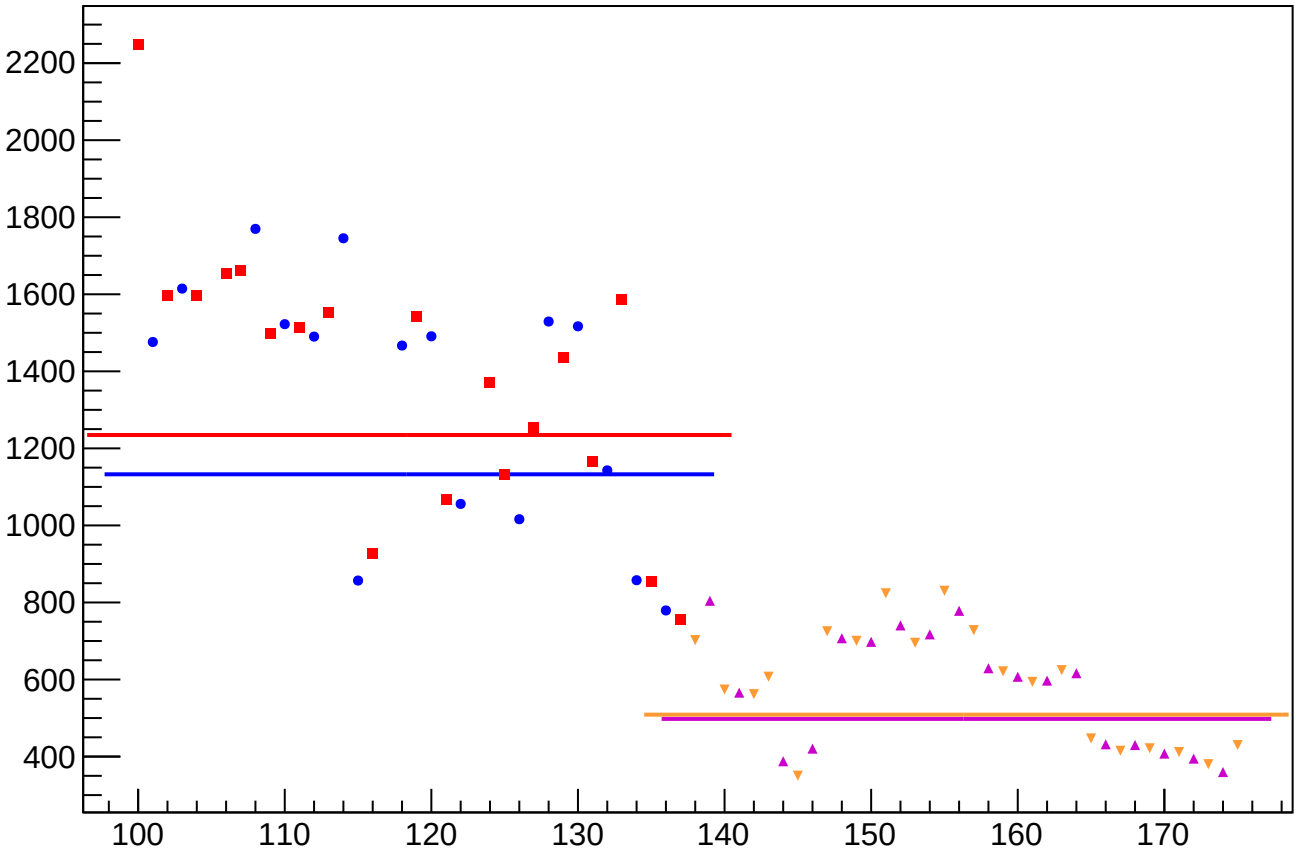
Left: -227.464+/-94.577 χ^2/NDF: 92.5/37

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -1.523+/-128.615 χ^2/NDF:47.6/33

Out: -439.665+/-127.992 χ^2/NDF:76.7/38

All: -221.656+/-90.723 χ^2/NDF: 130.1/72



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 497.777+/-0.095 χ^2/NDF:2045375.4/17

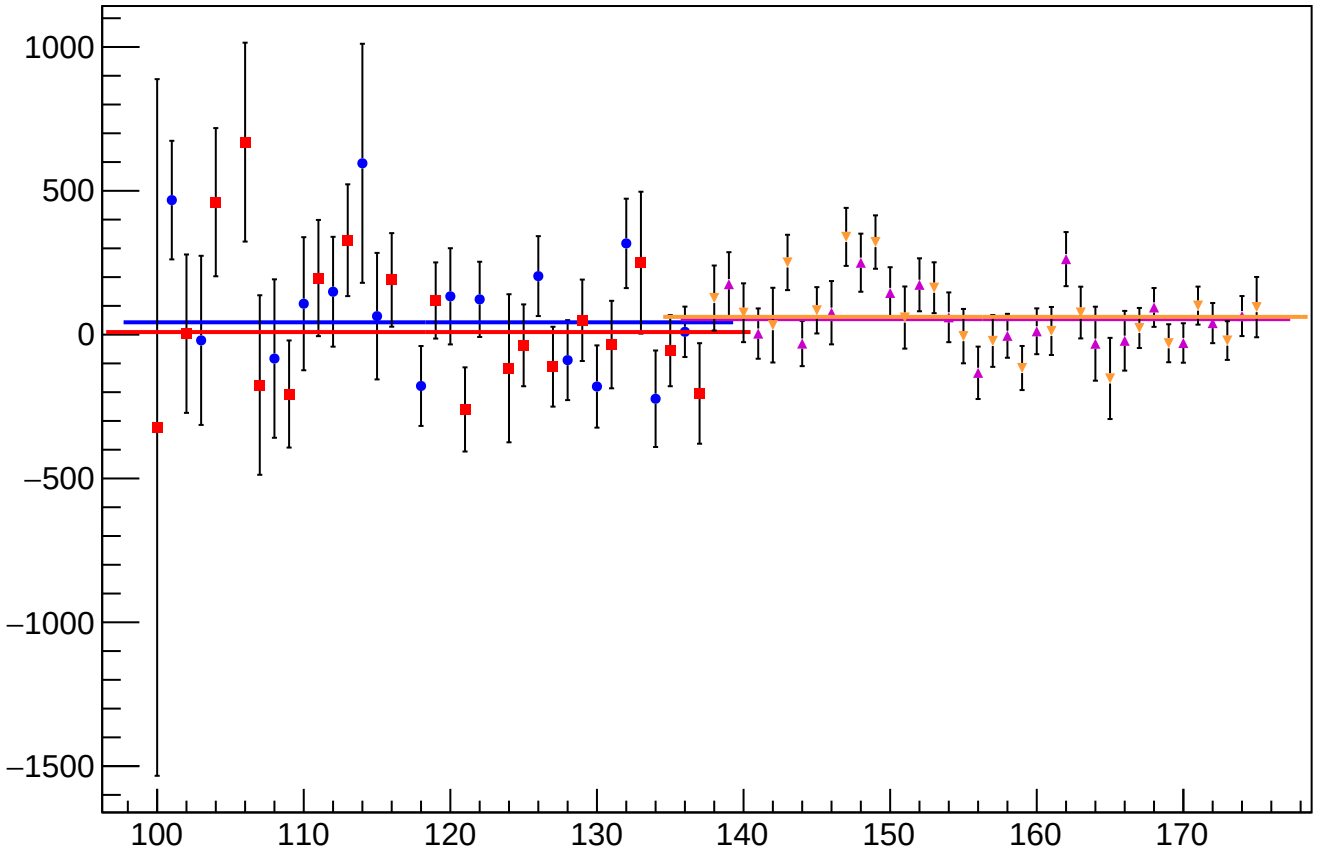
Left: 503.356+/-0.067 χ^2/NDF: 4233488.0/37

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 551.806+/-0.091 χ^2/NDF:6964139.4/33

Out: 562.986+/-0.091 χ^2/NDF:7499778.7/38

All: 557.423+/-0.064 χ^2/NDF: 14471510.3/72



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.765+/-19.528 χ^2/NDF:34.7/19

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 53.941+/-20.037 χ^2/NDF:22.1/17

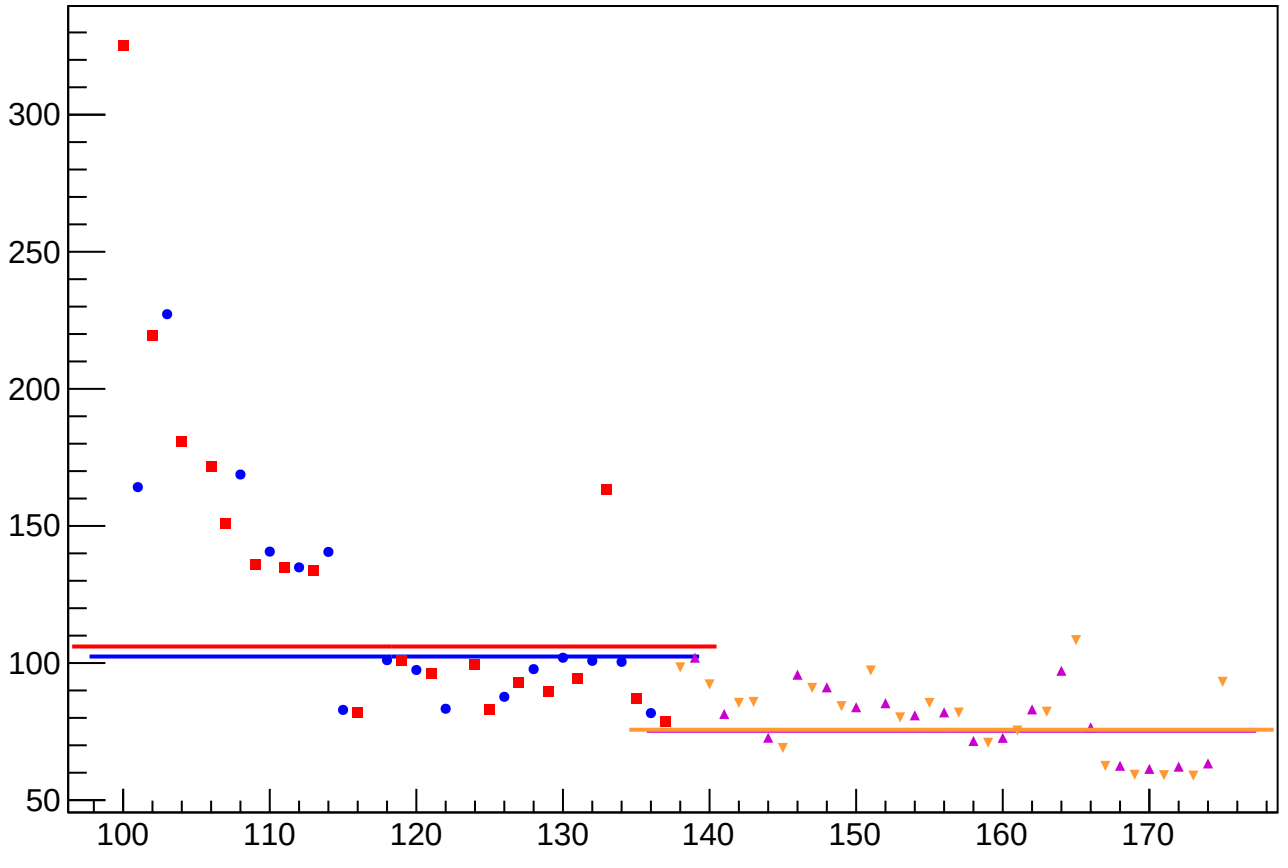
Left: 57.953+/-13.985 χ^2/NDF: 56.9/37

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 51.724+/-17.910 χ^2/NDF:42.4/33

Out: 52.029+/-17.635 χ^2/NDF:57.4/38

All: 51.879+/-12.566 χ^2/NDF: 99.8/72



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.679+/-0.014 χ^2/NDF:986417.9/19

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.300+/-0.014 χ^2/NDF:668034.7/17

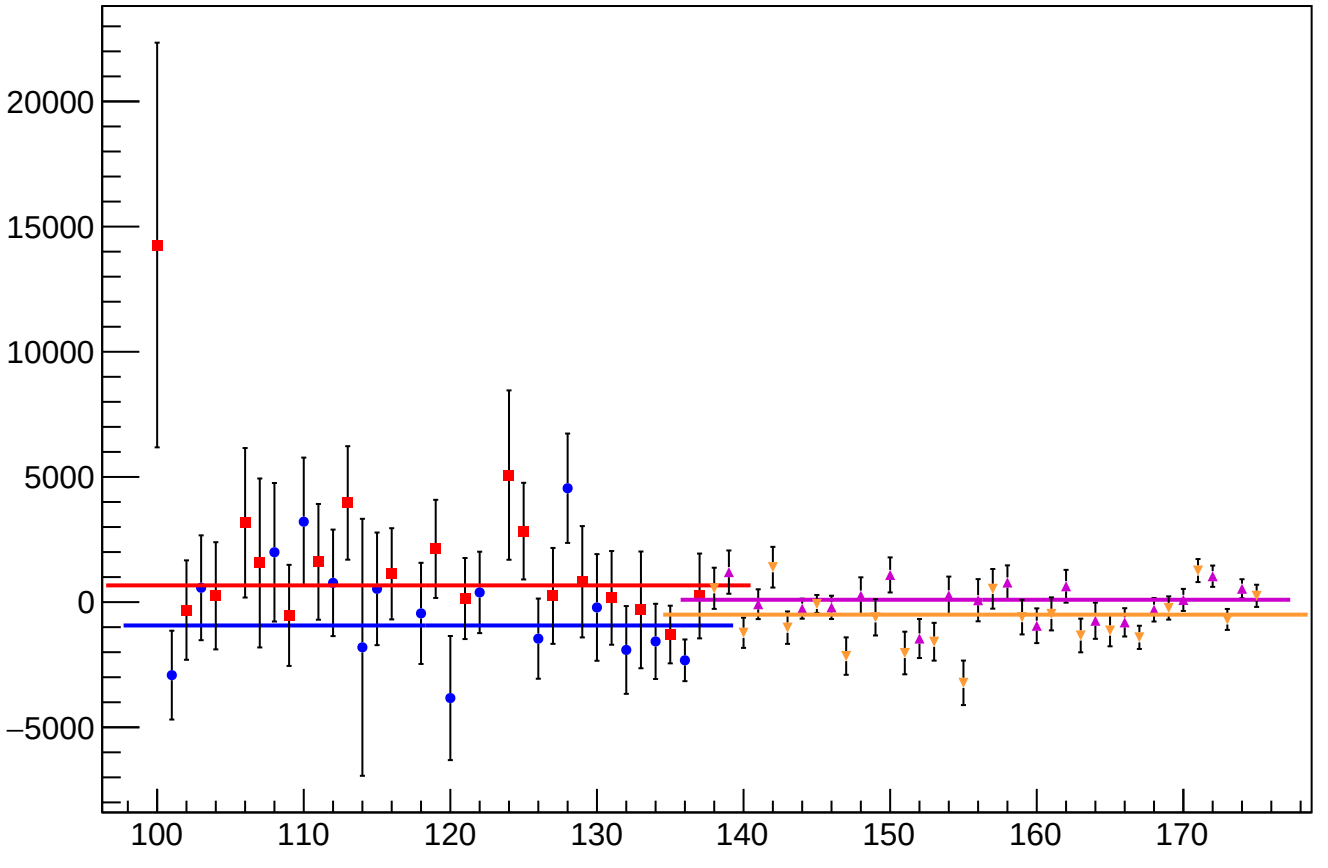
Left: 75.494+/-0.010 χ^2/NDF: 1654817.8/37

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.743+/-0.013 χ^2/NDF:2384554.3/33

Out: 81.278+/-0.012 χ^2/NDF:3069102.0/38

All: 81.015+/-0.009 χ^2/NDF: 5454561.2/72



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 94.149+/-131.890 χ^2/NDF:23.8/17

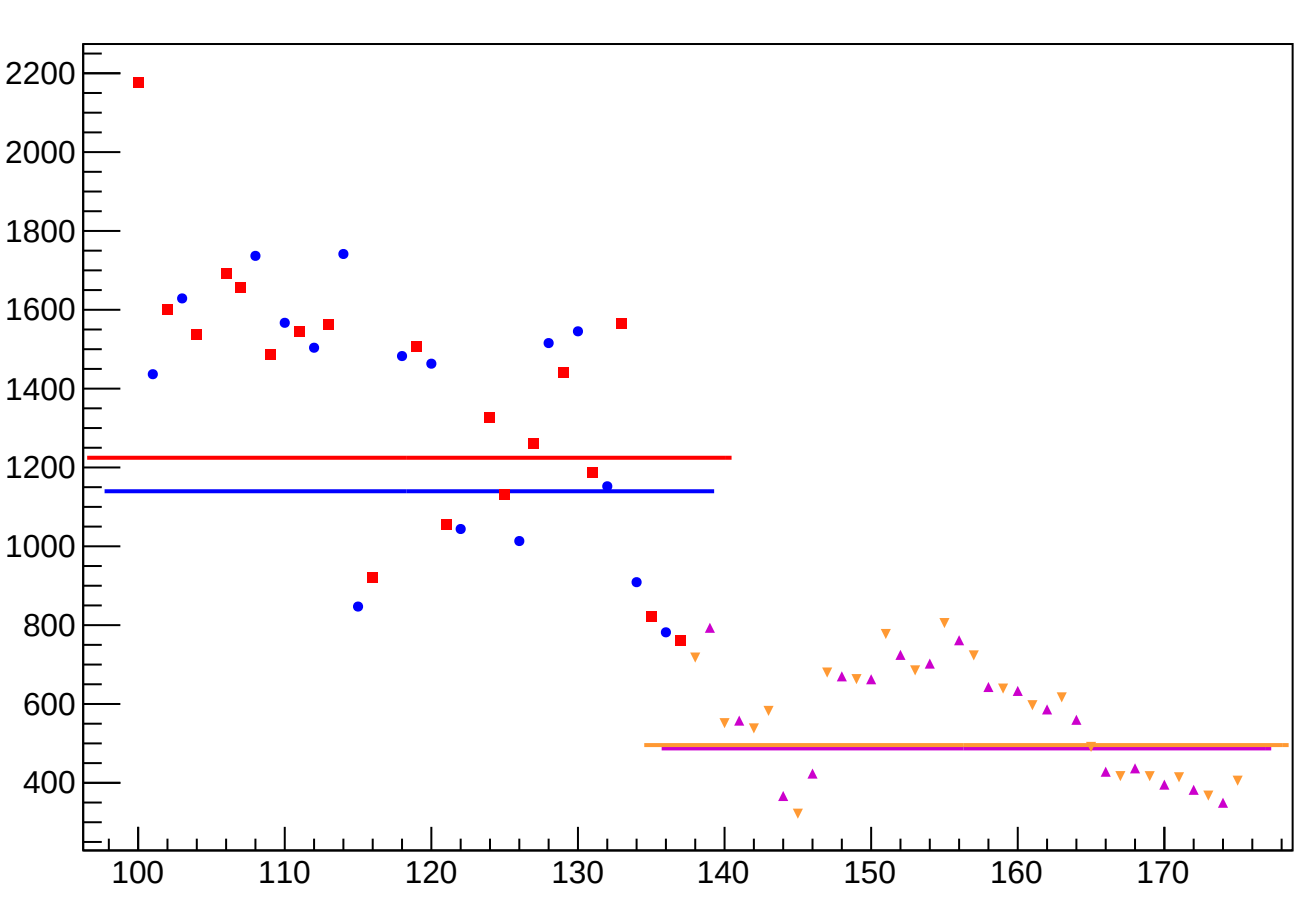
Left: -208.166+/-92.447 χ^2/NDF: 90.4/37

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 10.473+/-126.400 χ^2/NDF:47.2/33

Out: -415.297+/-124.824 χ^2/NDF:75.7/38

All: -205.082+/-88.816 χ^2/NDF: 128.6/72



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300758.5/19

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 487.268+/-0.093 χ^2/NDF:2085049.7/17

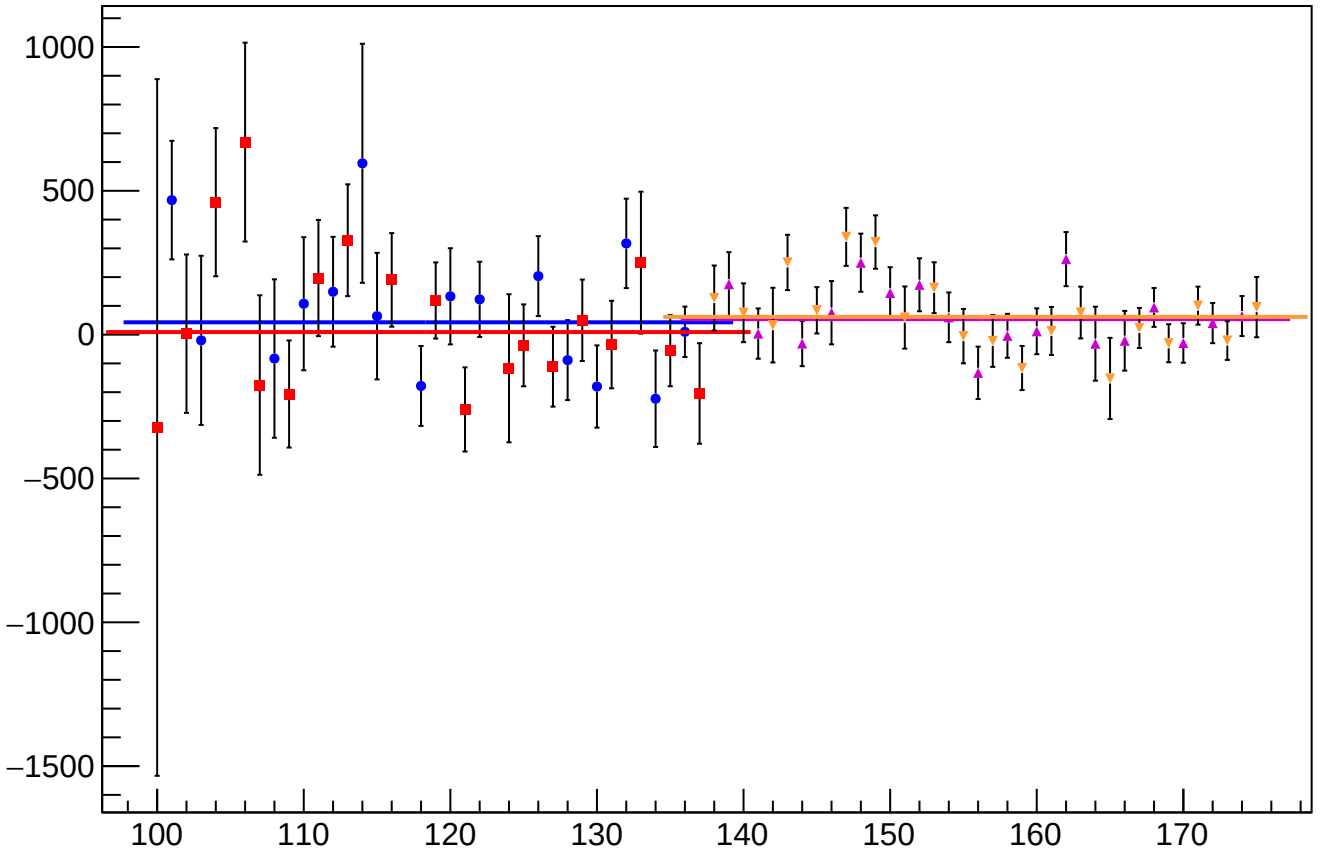
Left: 491.588+/-0.065 χ^2/NDF: 4390027.4/37

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 540.446+/-0.089 χ^2/NDF:7167330.9/33

Out: 548.690+/-0.088 χ^2/NDF:7815496.5/38

All: 544.620+/-0.063 χ^2/NDF: 14987134.4/72



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.764+/-19.528 χ^2/NDF:34.7/19

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 53.940+/-20.037 χ^2/NDF:22.1/17

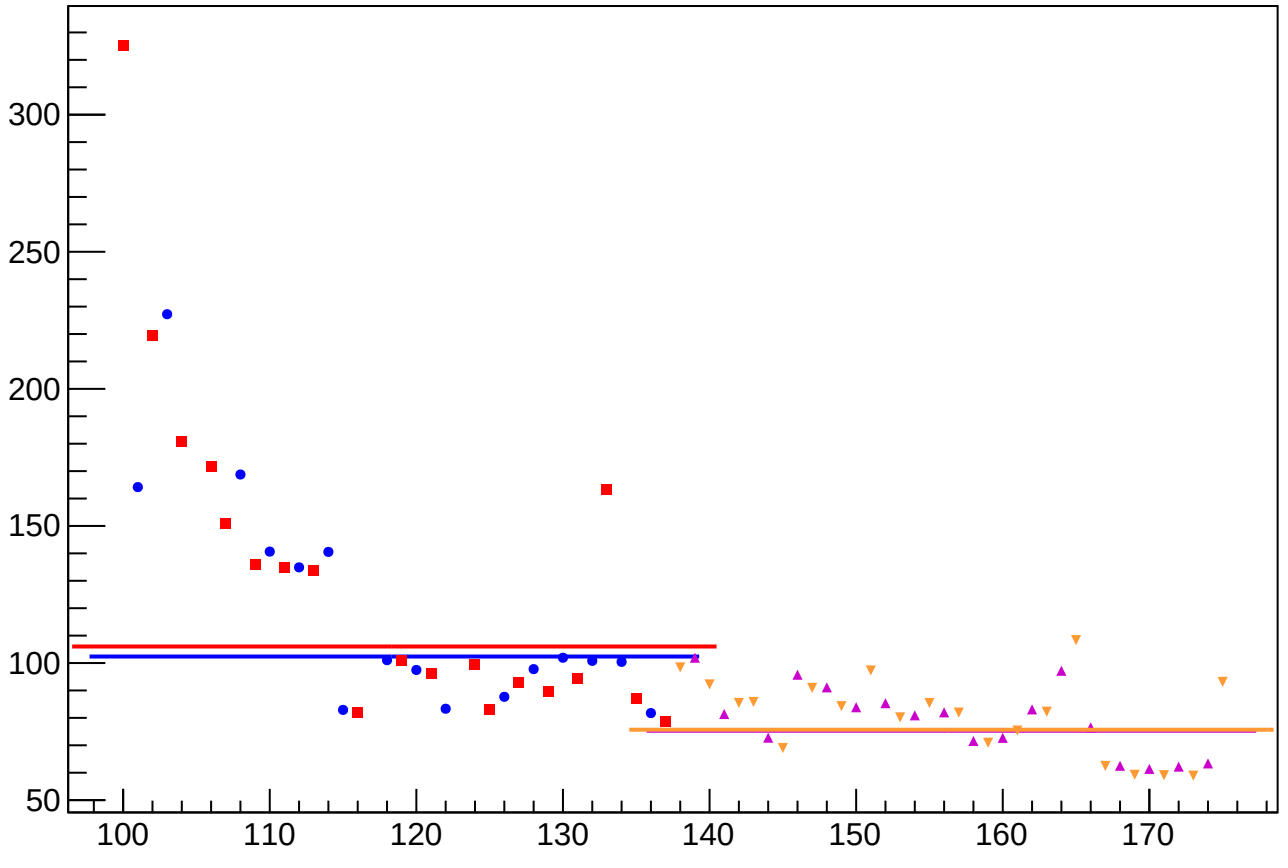
Left: 57.952+/-13.985 χ^2/NDF: 56.9/37

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 51.724+/-17.910 χ^2/NDF:42.4/33

Out: 52.028+/-17.635 χ^2/NDF:57.4/38

All: 51.878+/-12.566 χ^2/NDF: 99.8/72



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.679+/-0.014 χ^2/NDF:986416.8/19

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.301+/-0.014 χ^2/NDF:668030.6/17

Left: 75.495+/-0.010 χ^2/NDF: 1654812.3/37

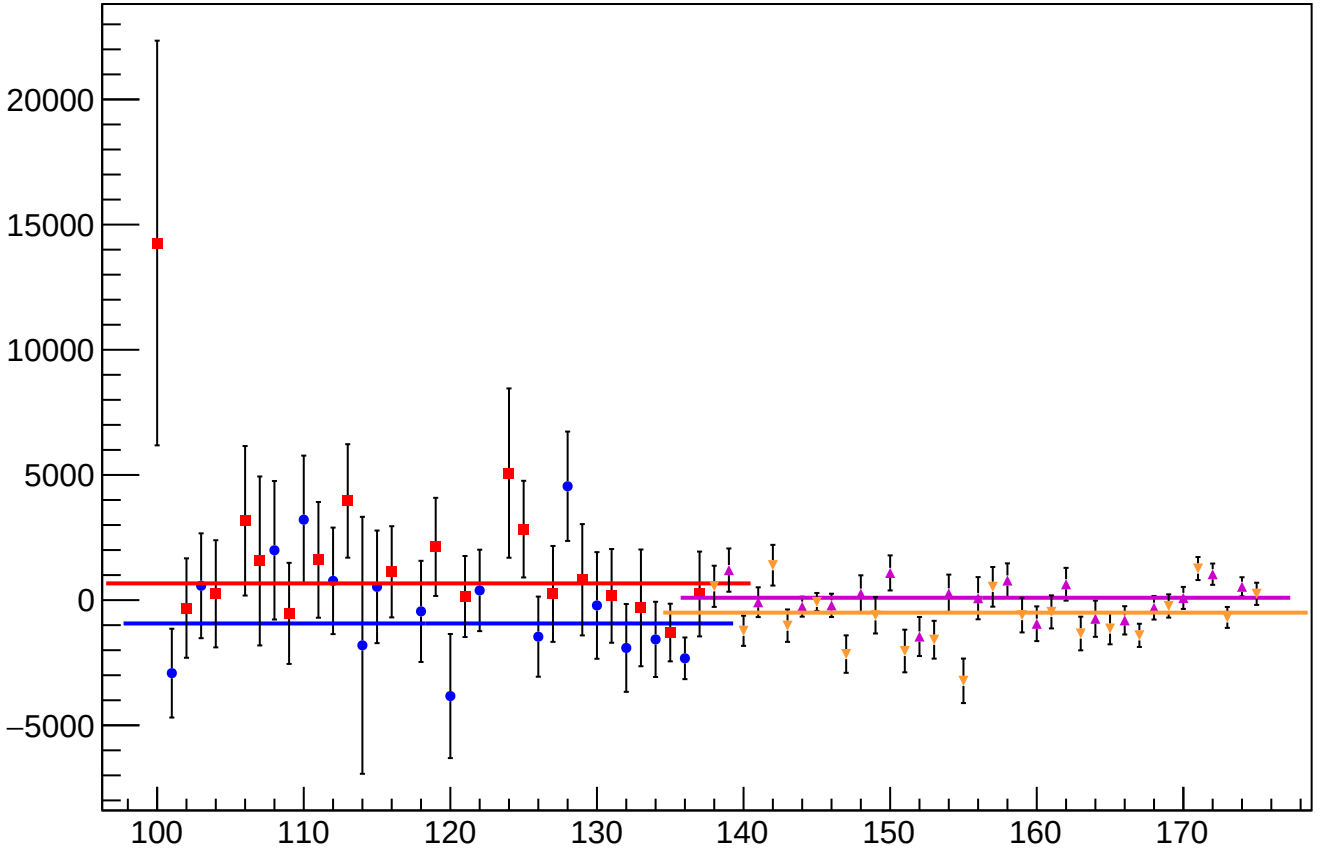
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.744+/-0.013 χ^2/NDF:2384517.5/33

Out: 81.278+/-0.012 χ^2/NDF:3069084.7/38

All: 81.015+/-0.009 χ^2/NDF: 5454506.9/72

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 94.148+/-131.890 χ^2/NDF:23.8/17

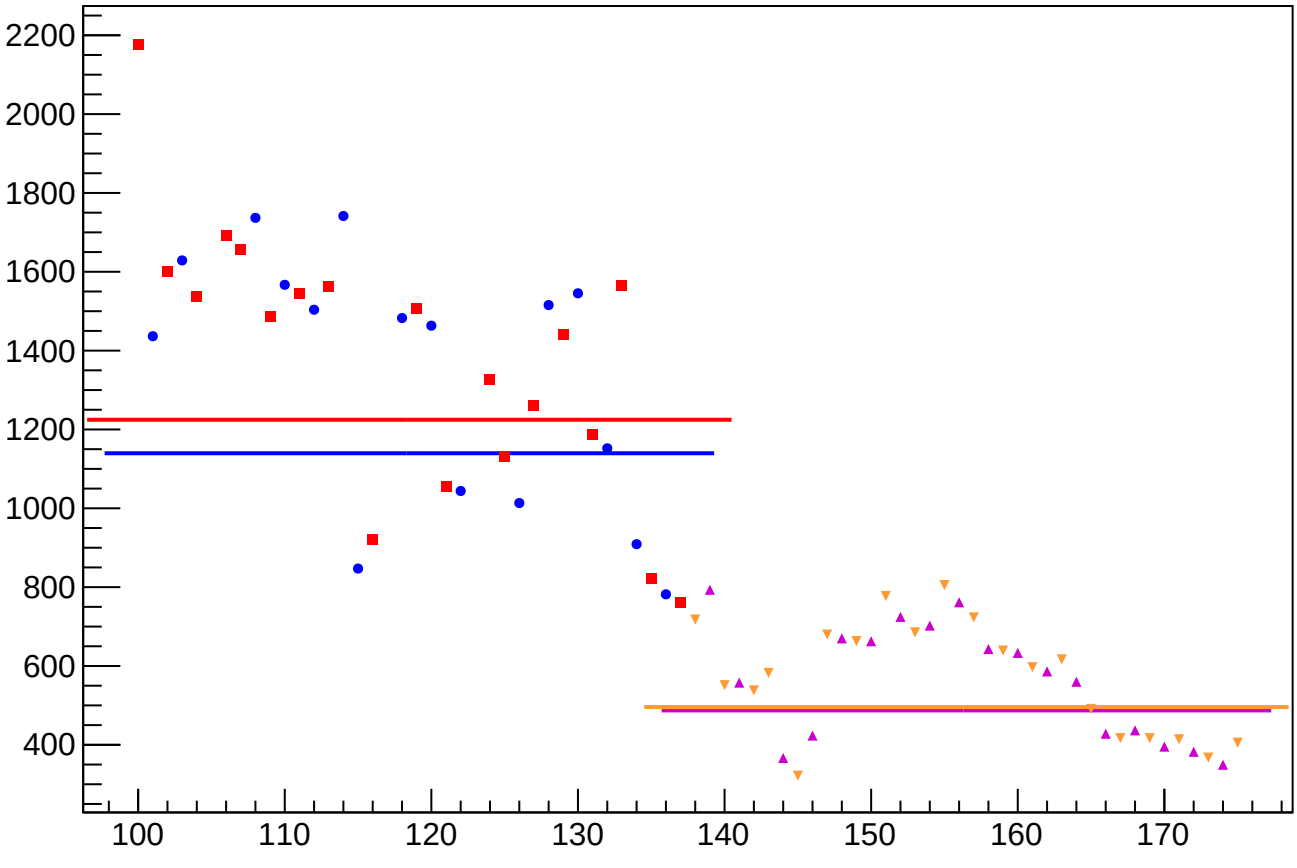
Left: -208.167+/-92.447 χ^2/NDF: 90.4/37

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 10.472+/-126.400 χ^2/NDF:47.2/33

Out: -415.296+/-124.824 χ^2/NDF:75.7/38

All: -205.083+/-88.816 χ^2/NDF: 128.6/72



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300764.4/19

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 487.268+/-0.093 χ^2/NDF:2085043.3/17

Left: 491.588+/-0.065 χ^2/NDF: 4390026.5/37

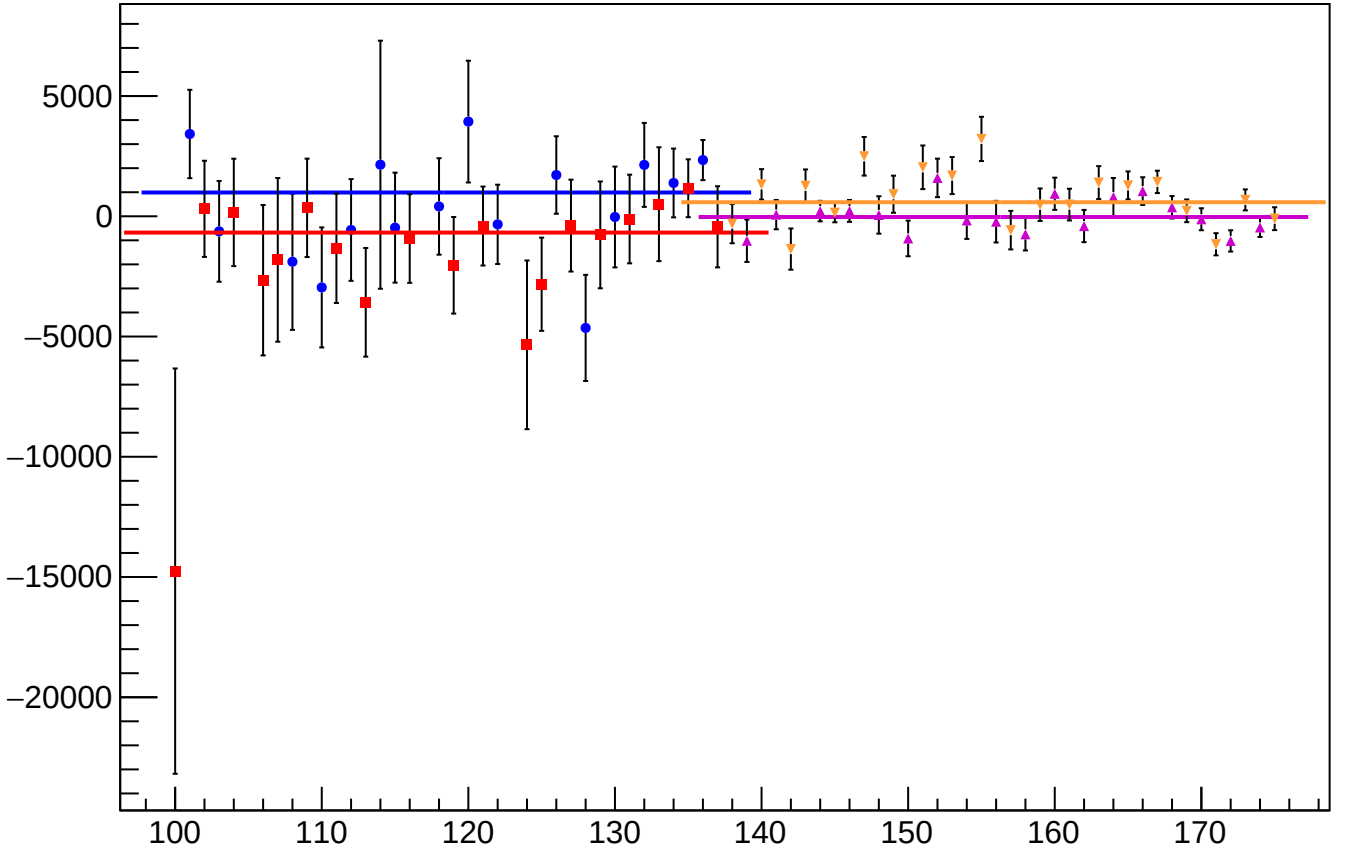
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 540.446+/-0.089 χ^2/NDF:7167309.2/33

Out: 548.690+/-0.088 χ^2/NDF:7815491.8/38

All: 544.620+/-0.063 χ^2/NDF: 14987107.5/72

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 584.464+/-134.028 χ^2/NDF:54.0/19

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -30.465+/-135.496 χ^2/NDF:22.7/17

Left: 280.348+/-95.287 χ^2/NDF: 87.1/37

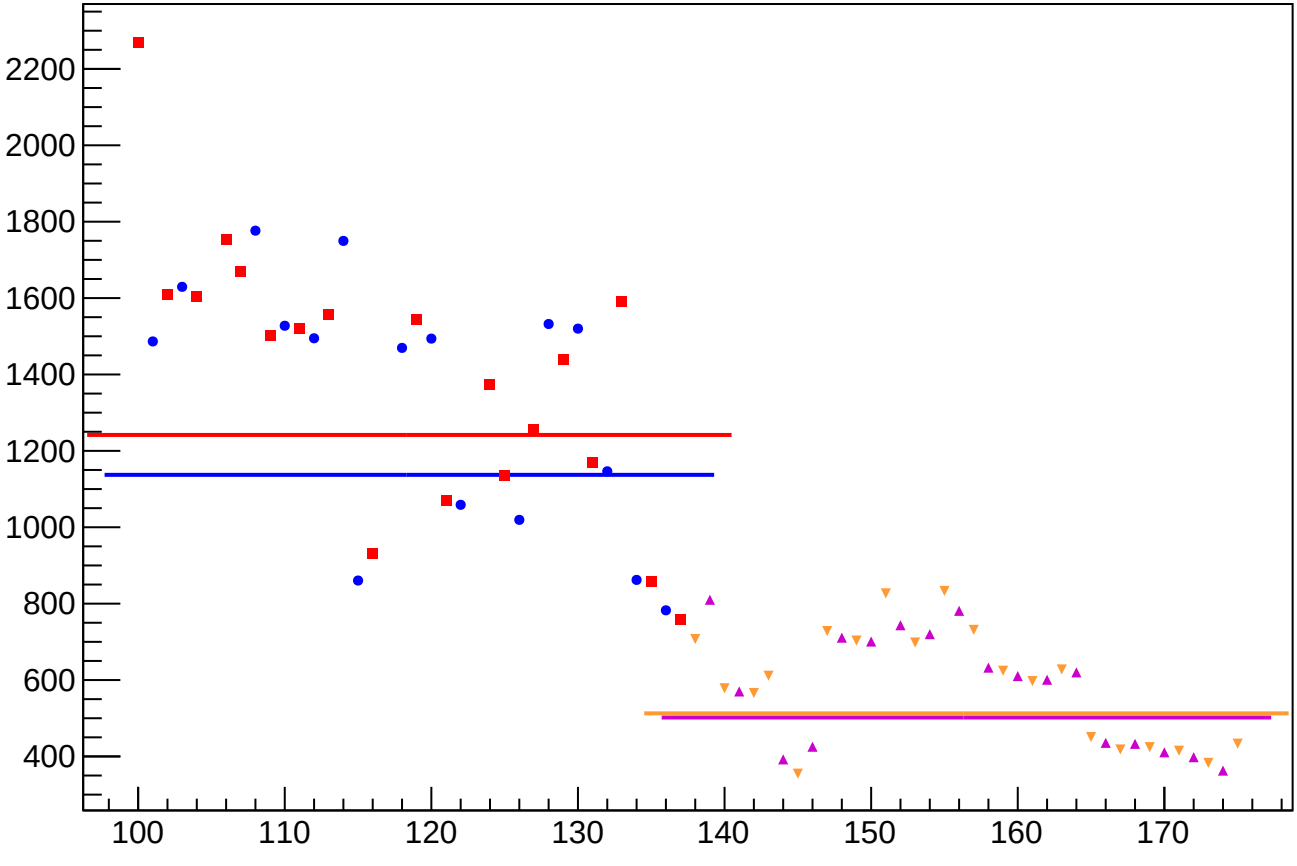
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 56.906+/-129.561 χ^2/NDF:46.6/33

Out: 489.420+/-128.882 χ^2/NDF:72.5/38

All: 274.299+/-91.373 χ^2/NDF: 124.8/72

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 512.798+/-0.095 χ^2/NDF:2152049.1/19

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 501.849+/-0.096 χ^2/NDF:2018867.9/17

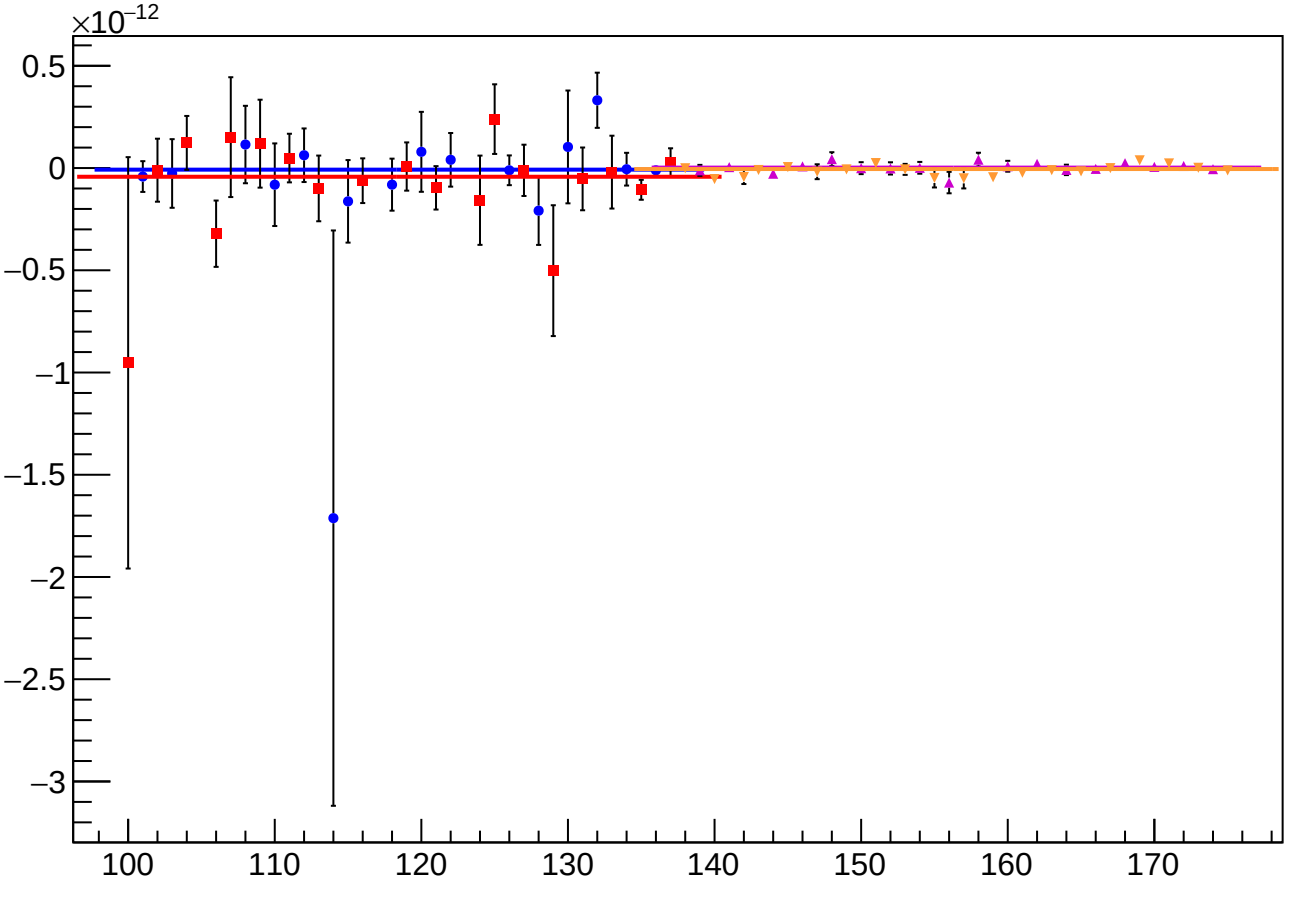
Left: 507.383+/-0.067 χ^2/NDF: 4177517.1/37

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 556.286+/-0.092 χ^2/NDF:6910403.6/33

Out: 567.690+/-0.091 χ^2/NDF:7506233.8/38

All: 562.018+/-0.065 χ^2/NDF: 14424426.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/17

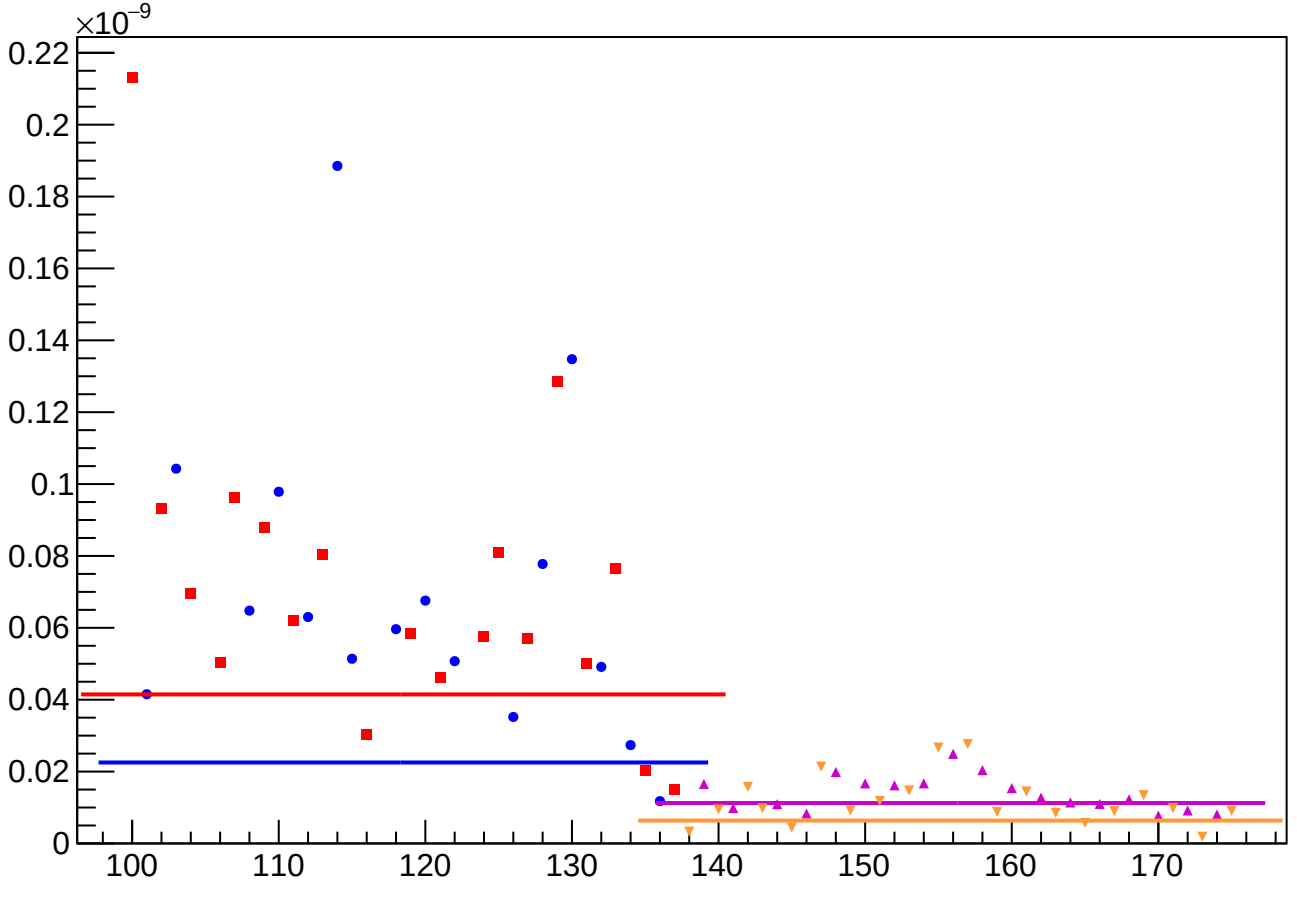
Left: -0.000+/-0.000 χ^2/NDF: 39.1/37

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:23.0/33

Out: -0.000+/-0.000 χ^2/NDF:44.3/38

All: -0.000+/-0.000 χ^2/NDF: 68.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3677876.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1079903.0/17

Left: 0.000+/-0.000 χ^2/NDF: 6060651.4/37

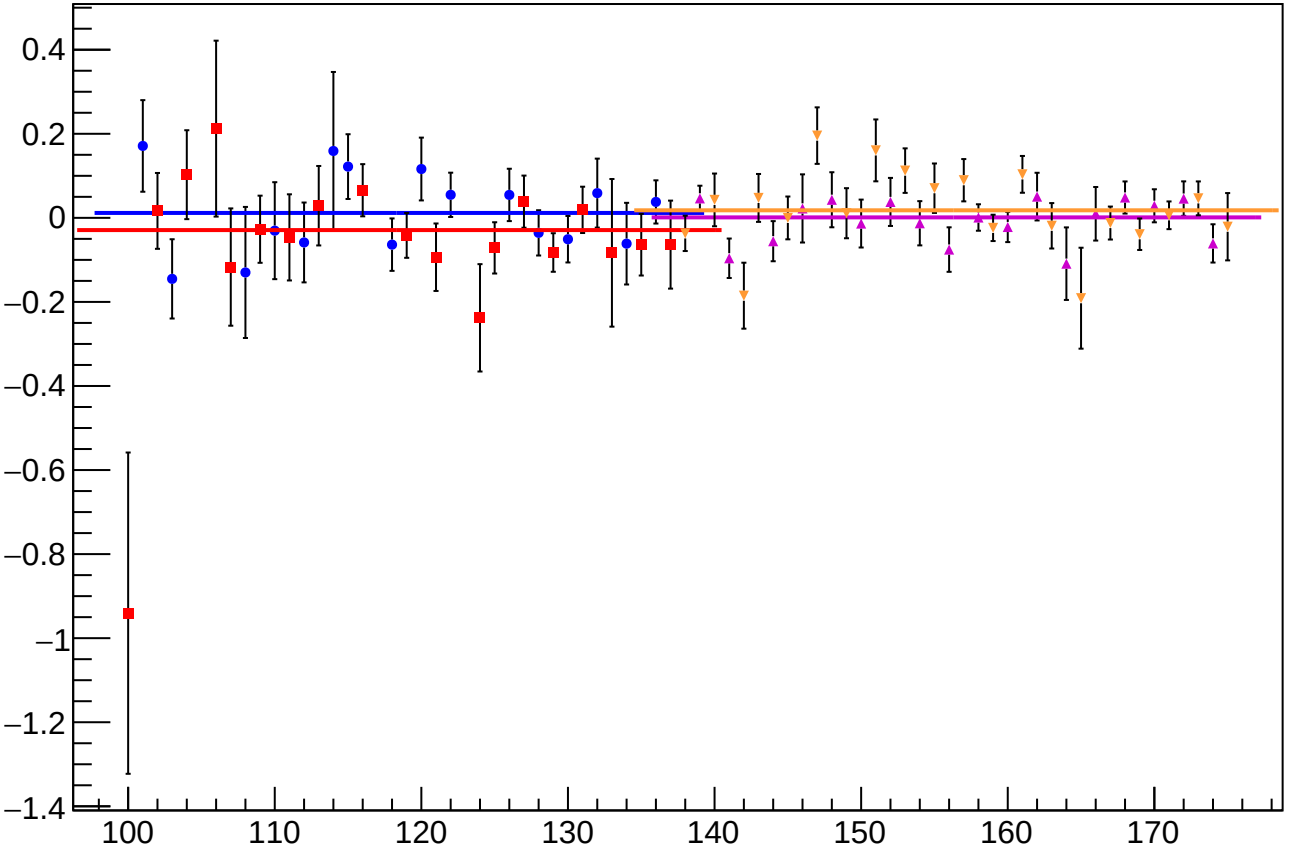
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4711879.4/33

Out: 0.000+/-0.000 χ^2/NDF:8838787.4/38

All: 0.000+/-0.000 χ^2/NDF: 15140152.4/72

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

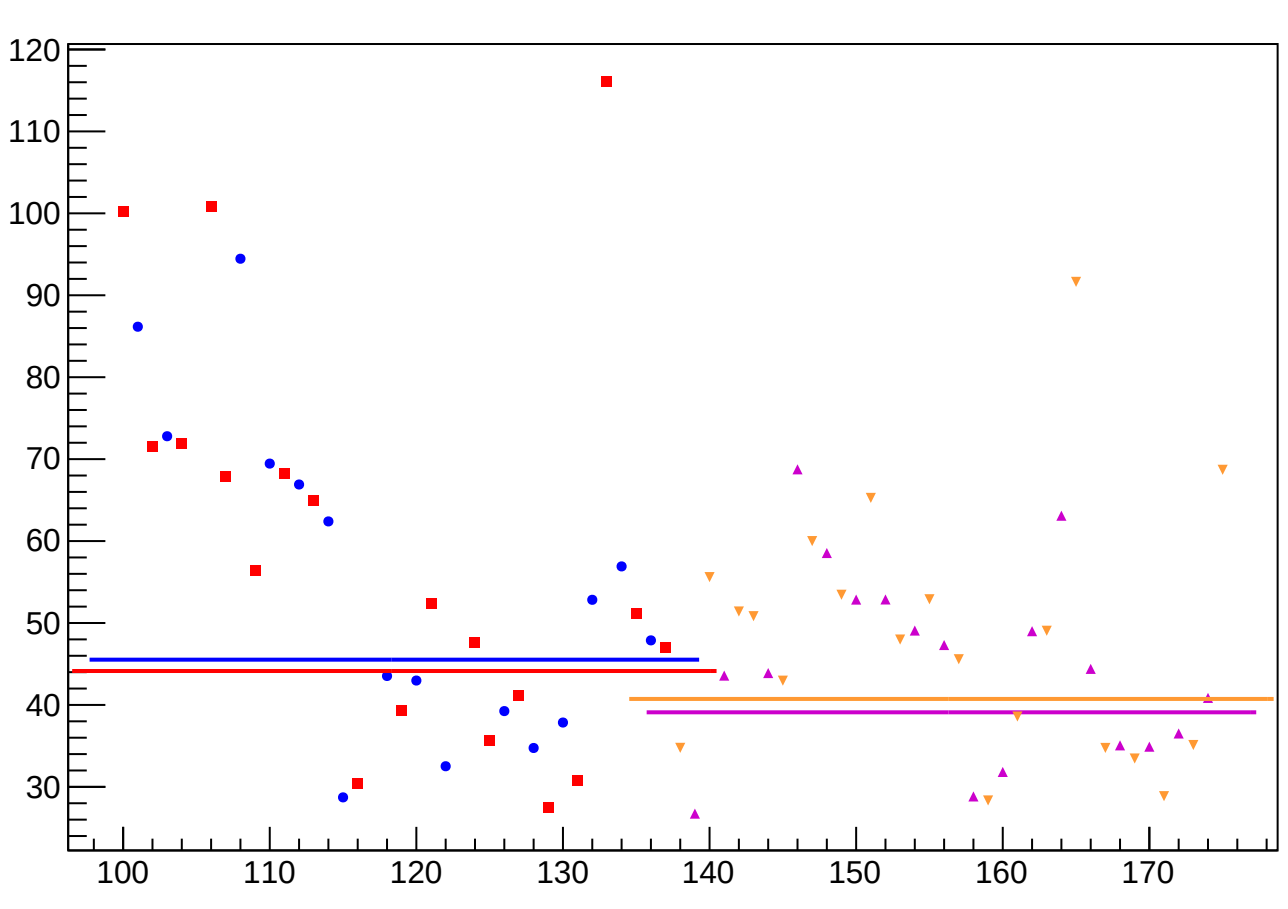
Left: 0.009+/-0.008 χ^2/NDF: 58.7/37

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.005+/-0.007 χ^2/NDF: 99.2/72



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264354.6/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

Left: 39.907+/-0.005 χ^2/NDF: 4039309.1/37

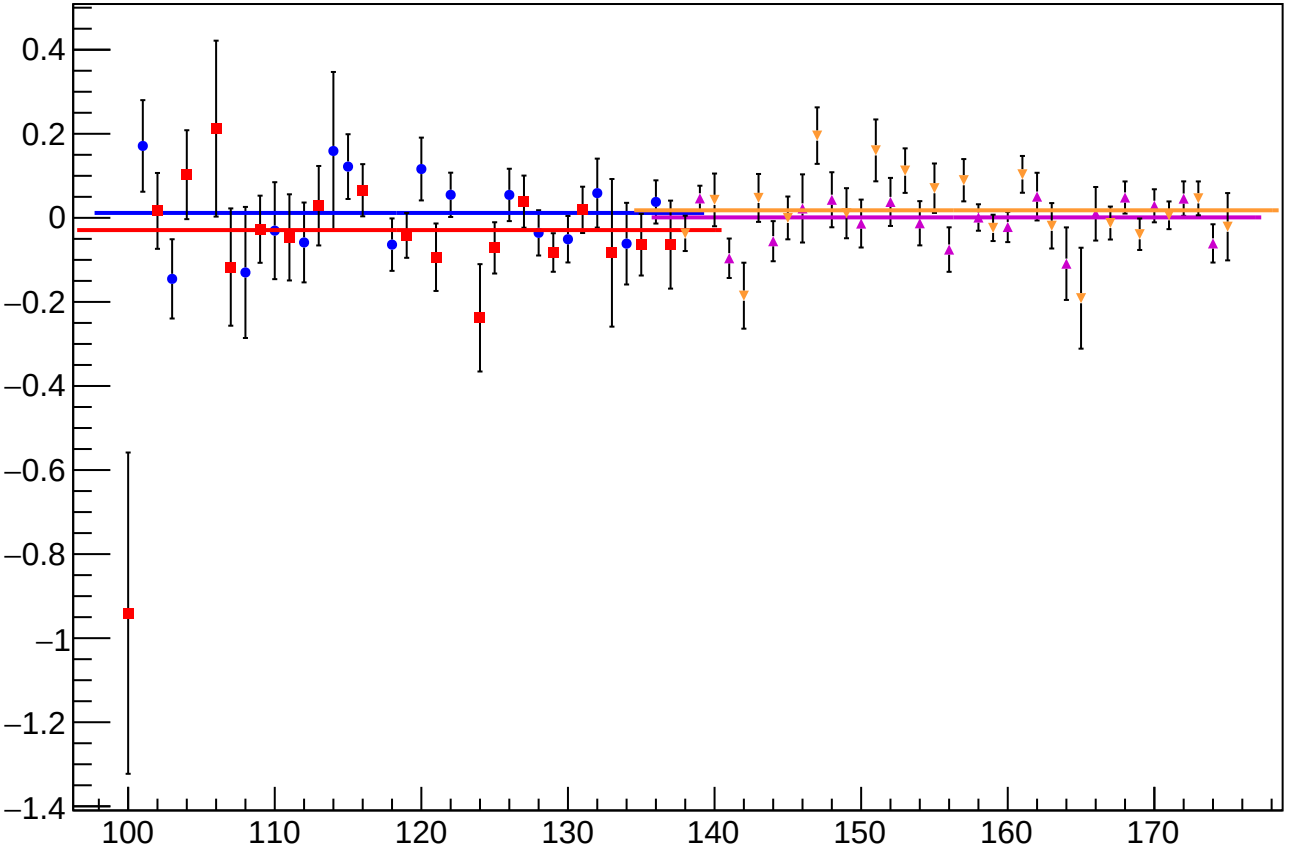
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.754+/-0.007 χ^2/NDF:3188959.7/33

Out: 41.656+/-0.007 χ^2/NDF:4060754.0/38

All: 41.204+/-0.005 χ^2/NDF: 7259127.2/72

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

Left: 0.009+/-0.008 χ^2/NDF: 58.7/37

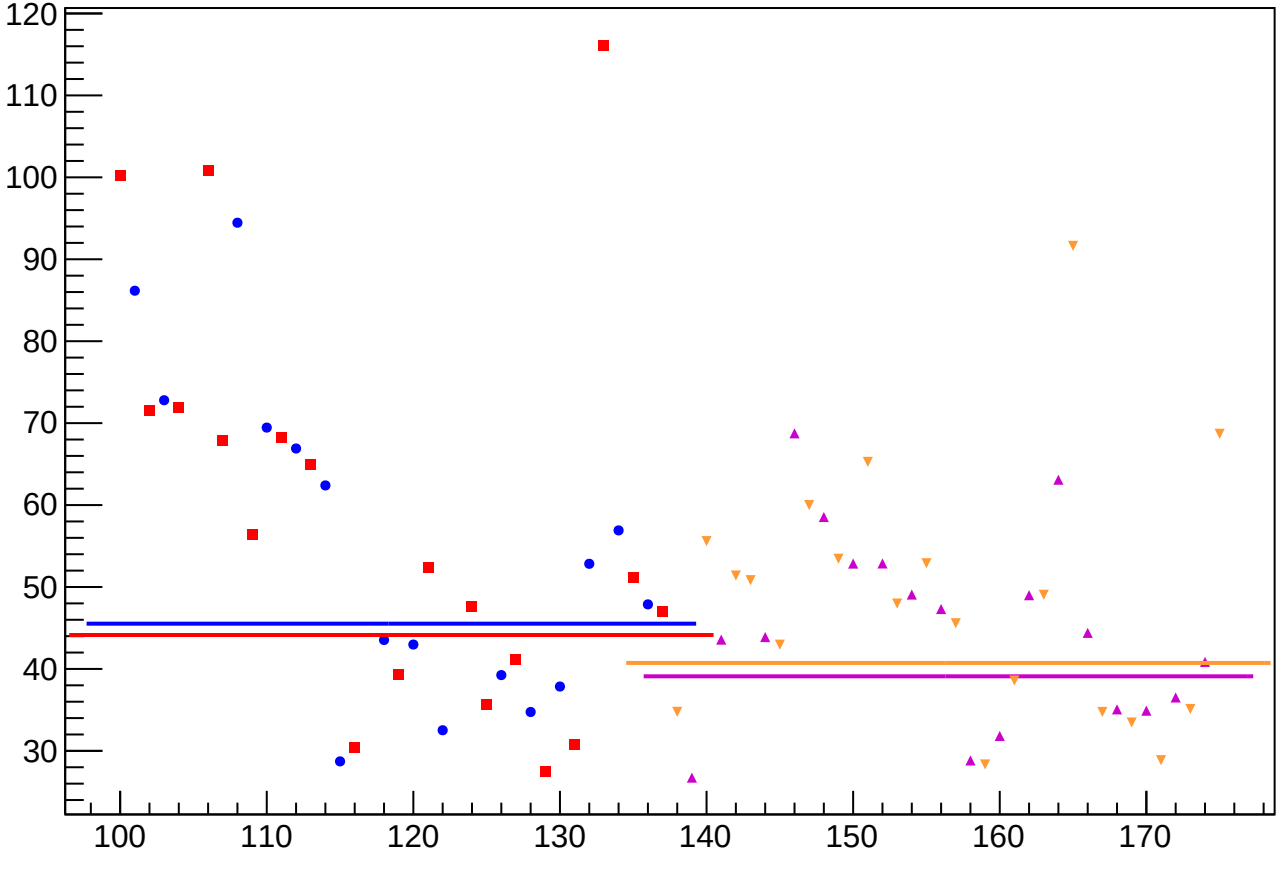
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.005+/-0.007 χ^2/NDF: 99.2/72

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264354.6/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

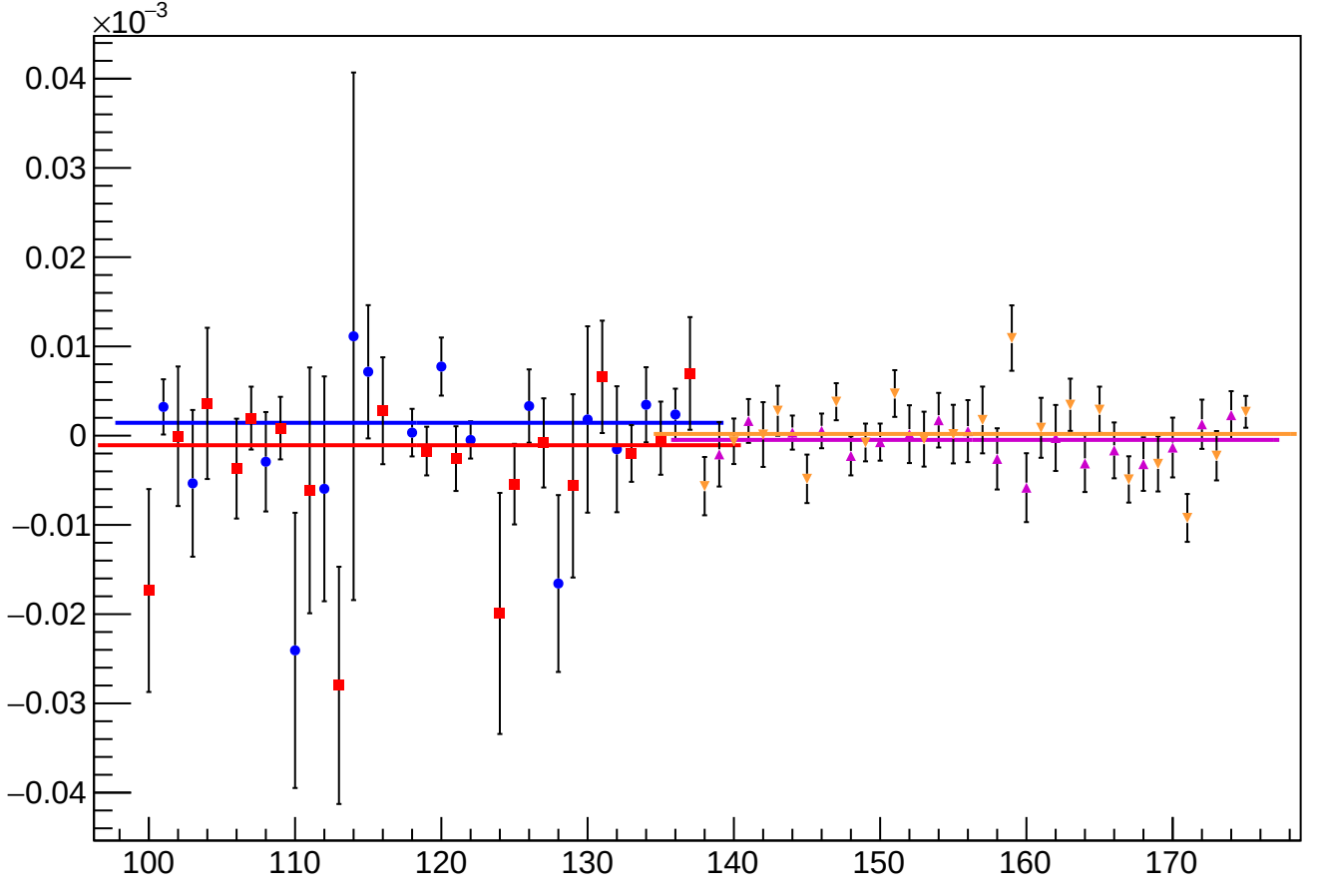
Left: 39.907+/-0.005 χ^2/NDF: 4039309.1/37

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.754+/-0.007 χ^2/NDF:3188959.7/33

Out: 41.656+/-0.007 χ^2/NDF:4060754.0/38

All: 41.204+/-0.005 χ^2/NDF: 7259127.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/17

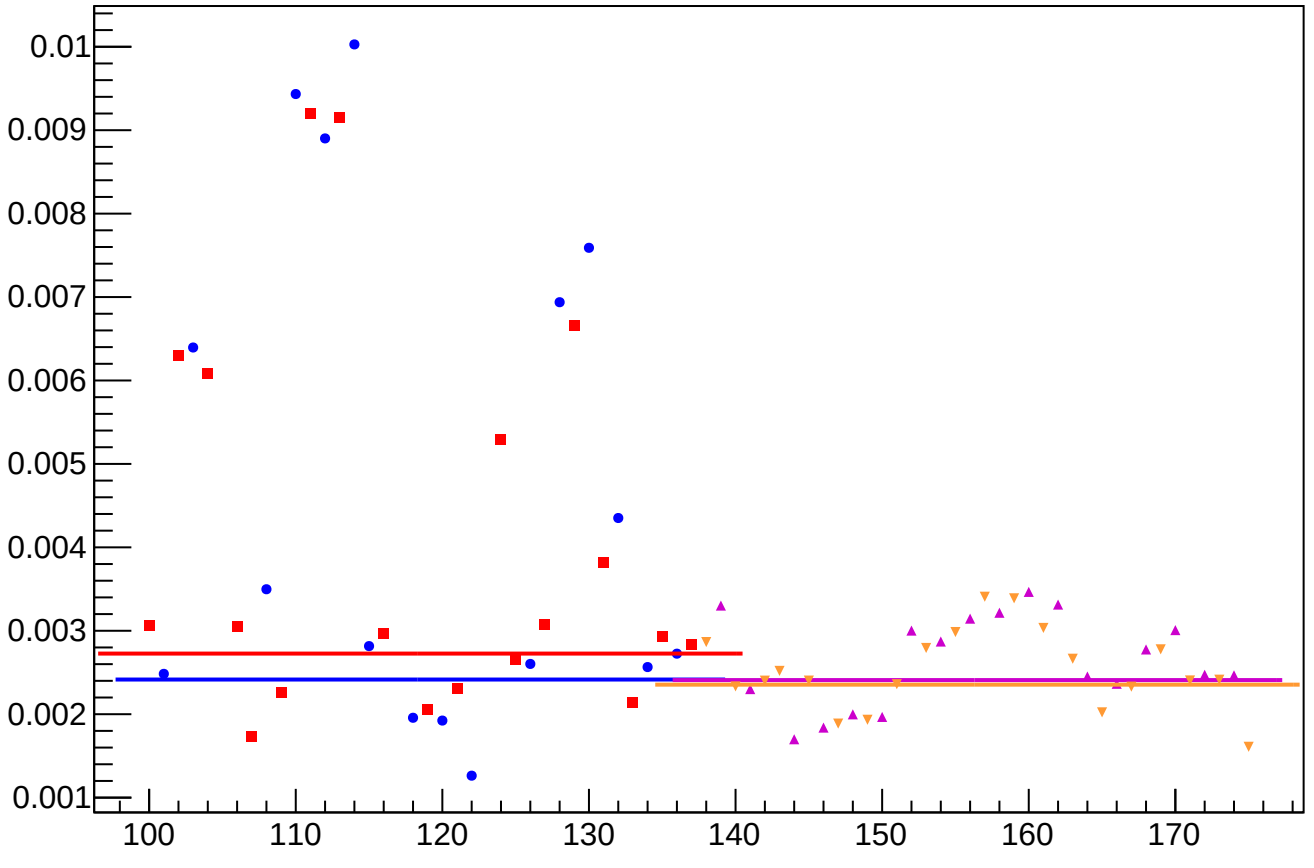
Left: -0.000+/-0.000 χ^2/NDF: 53.8/37

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:24.9/33

Out: -0.000+/-0.000 χ^2/NDF:60.9/38

All: -0.000+/-0.000 χ^2/NDF: 85.8/72



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195394.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1415128.2/17

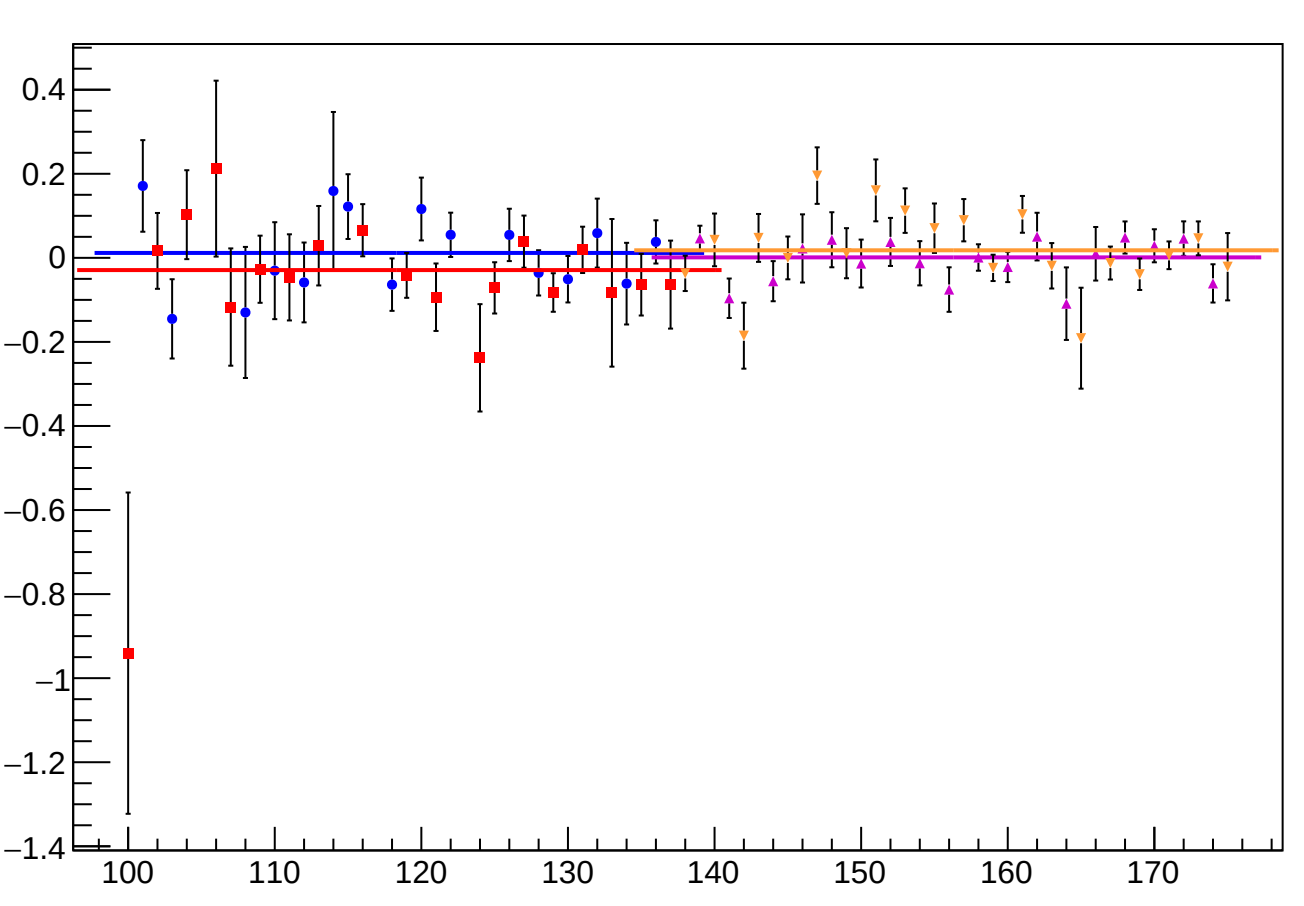
Left: 0.002+/-0.000 χ^2/NDF: 2618198.8/37

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4847294.4/33

Out: 0.002+/-0.000 χ^2/NDF:3871115.1/38

All: 0.002+/-0.000 χ^2/NDF: 8720983.3/72



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

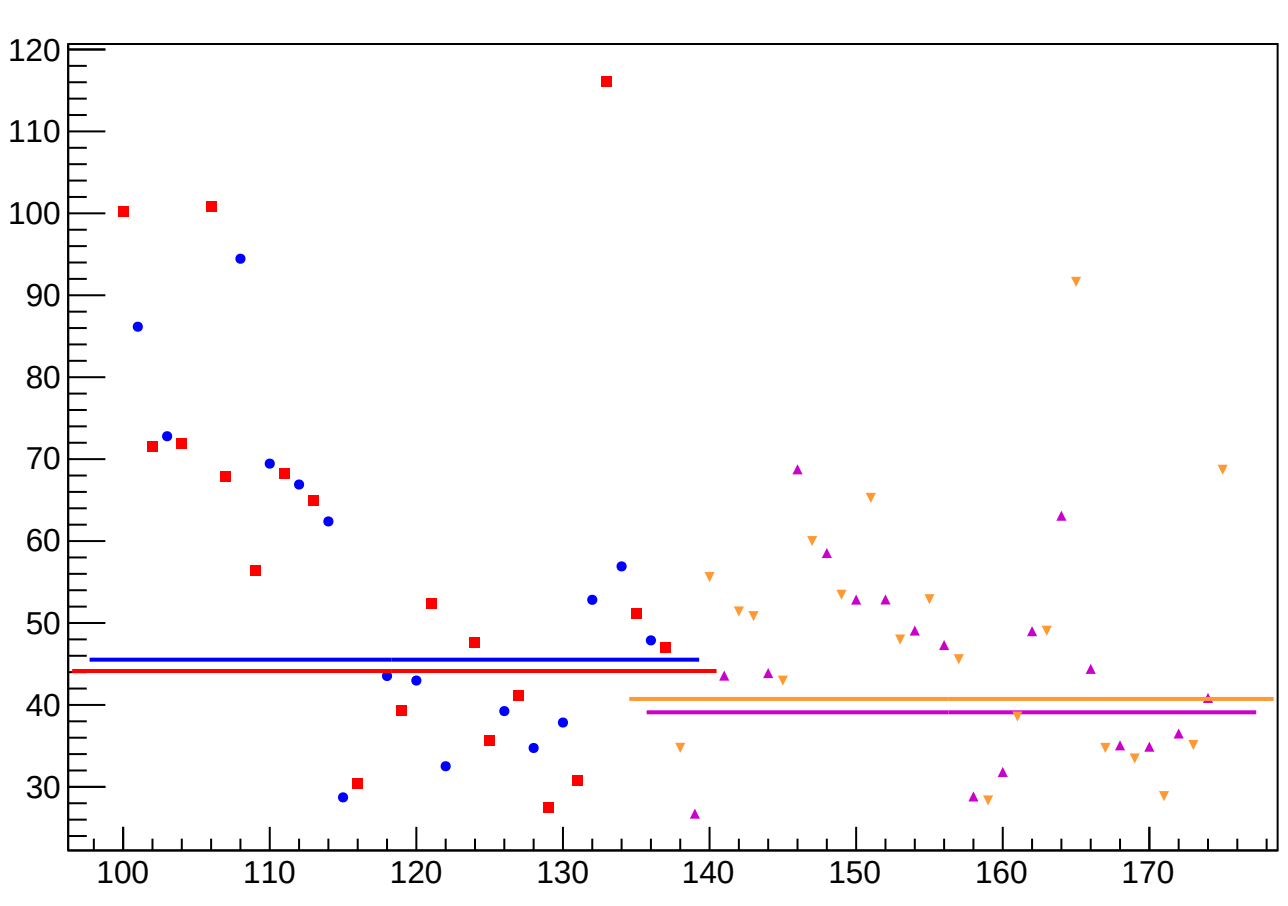
Left: 0.009+/-0.008 χ^2/NDF: 58.7/37

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.005+/-0.007 χ^2/NDF: 99.3/72



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

Left: 39.908+/-0.005 χ^2/NDF: 4039376.0/37

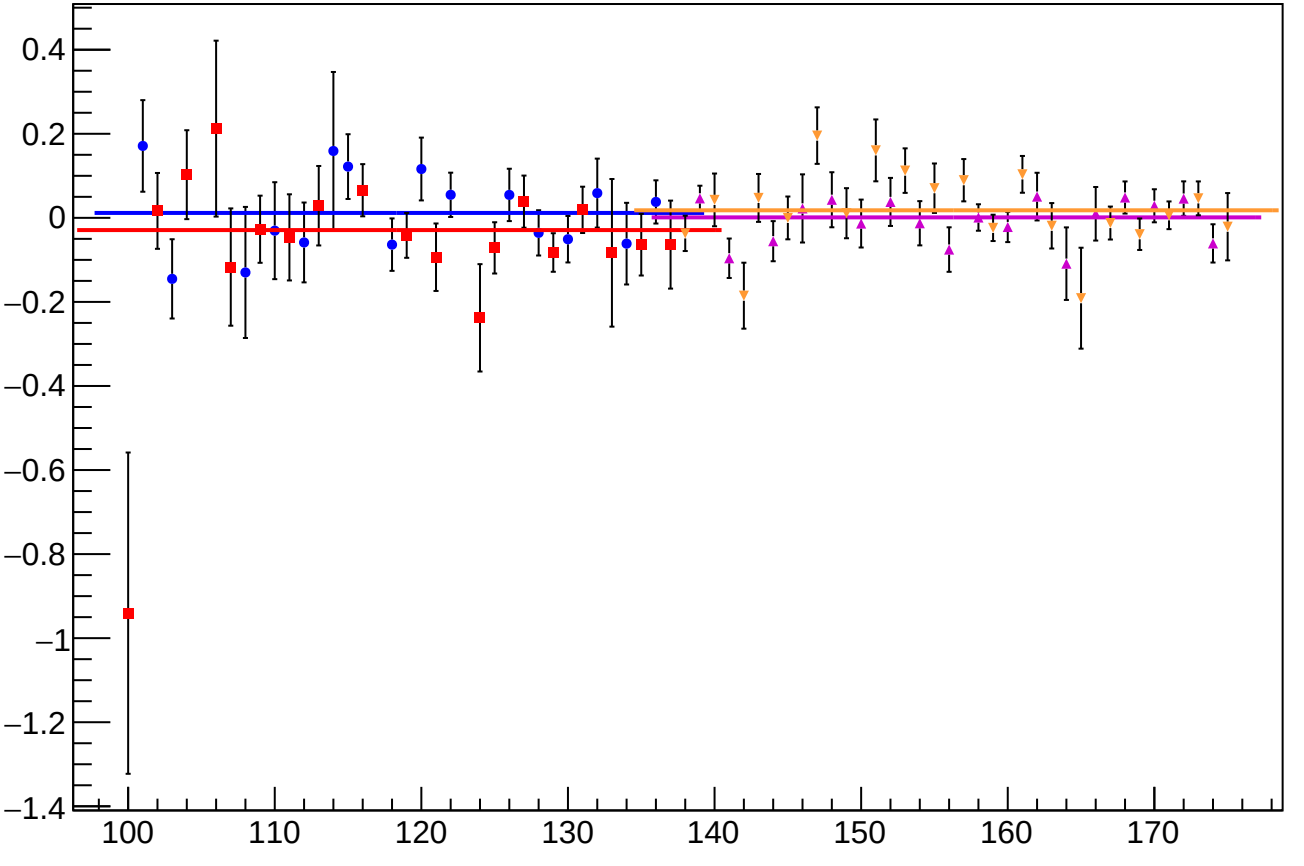
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.754+/-0.007 χ^2/NDF:3188936.3/33

Out: 41.656+/-0.007 χ^2/NDF:4060704.9/38

All: 41.204+/-0.005 χ^2/NDF: 7259054.9/72

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

Left: 0.009+/-0.008 χ^2/NDF: 58.7/37

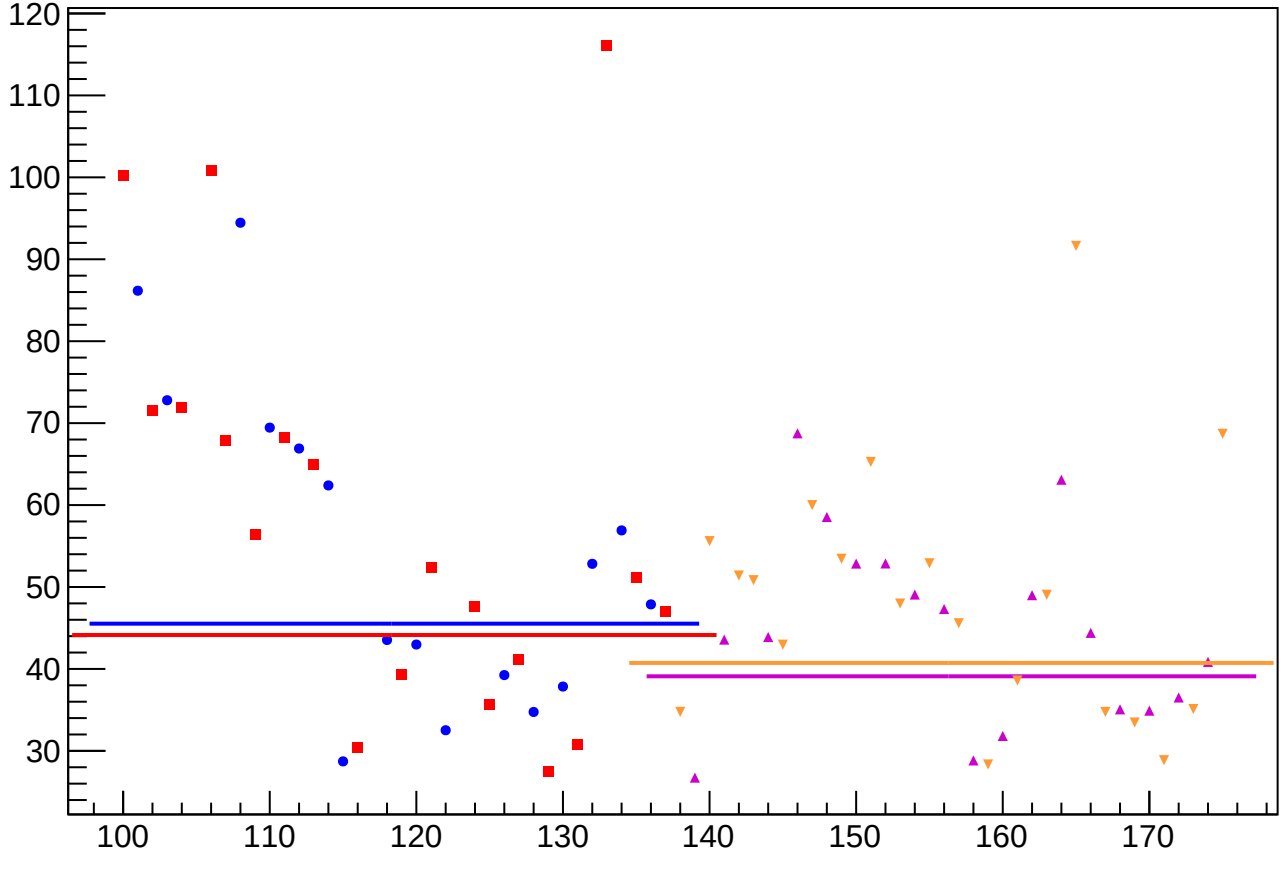
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.005+/-0.007 χ^2/NDF: 99.3/72

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

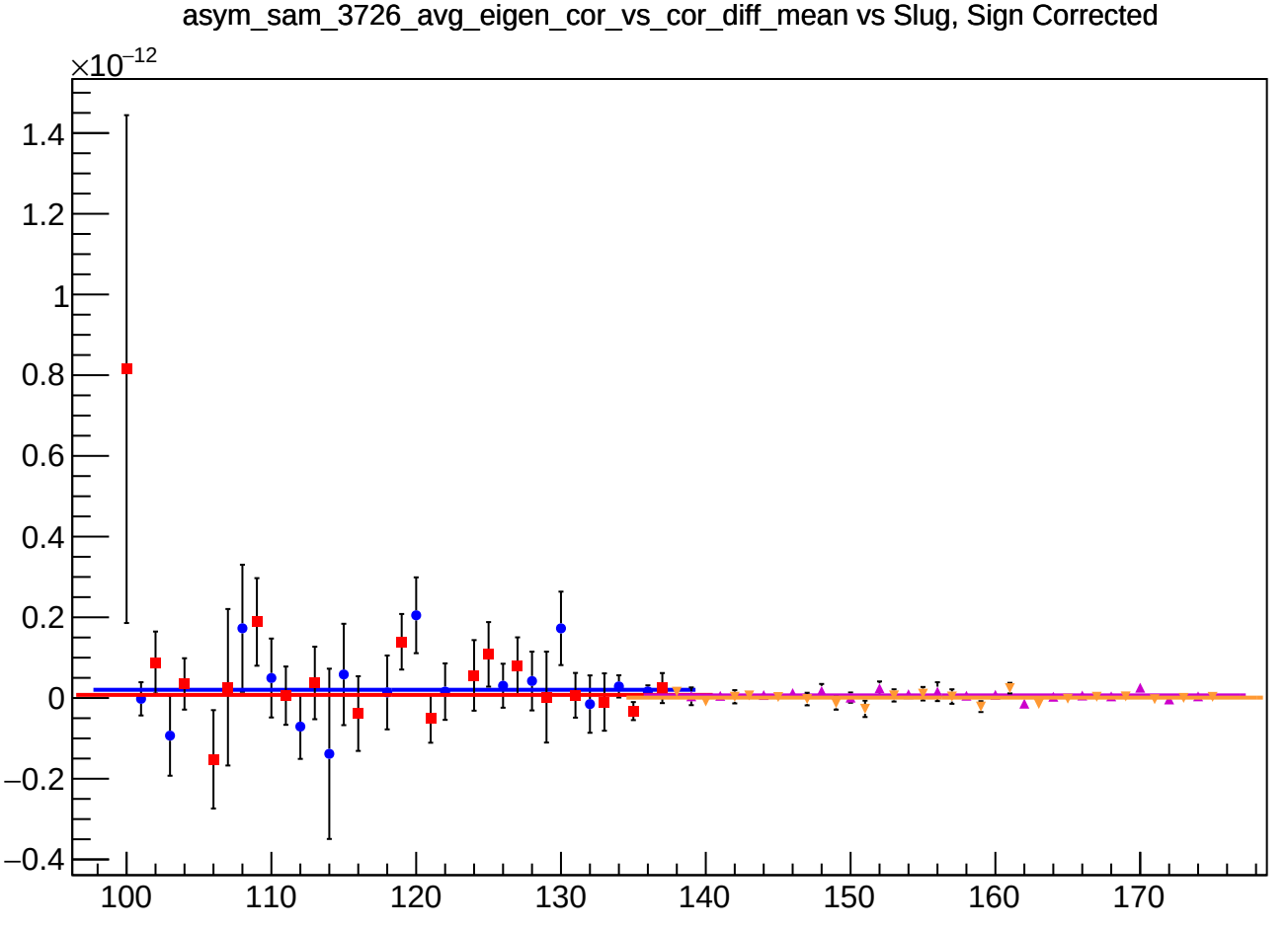
Left: 39.908+/-0.005 χ^2/NDF: 4039376.0/37

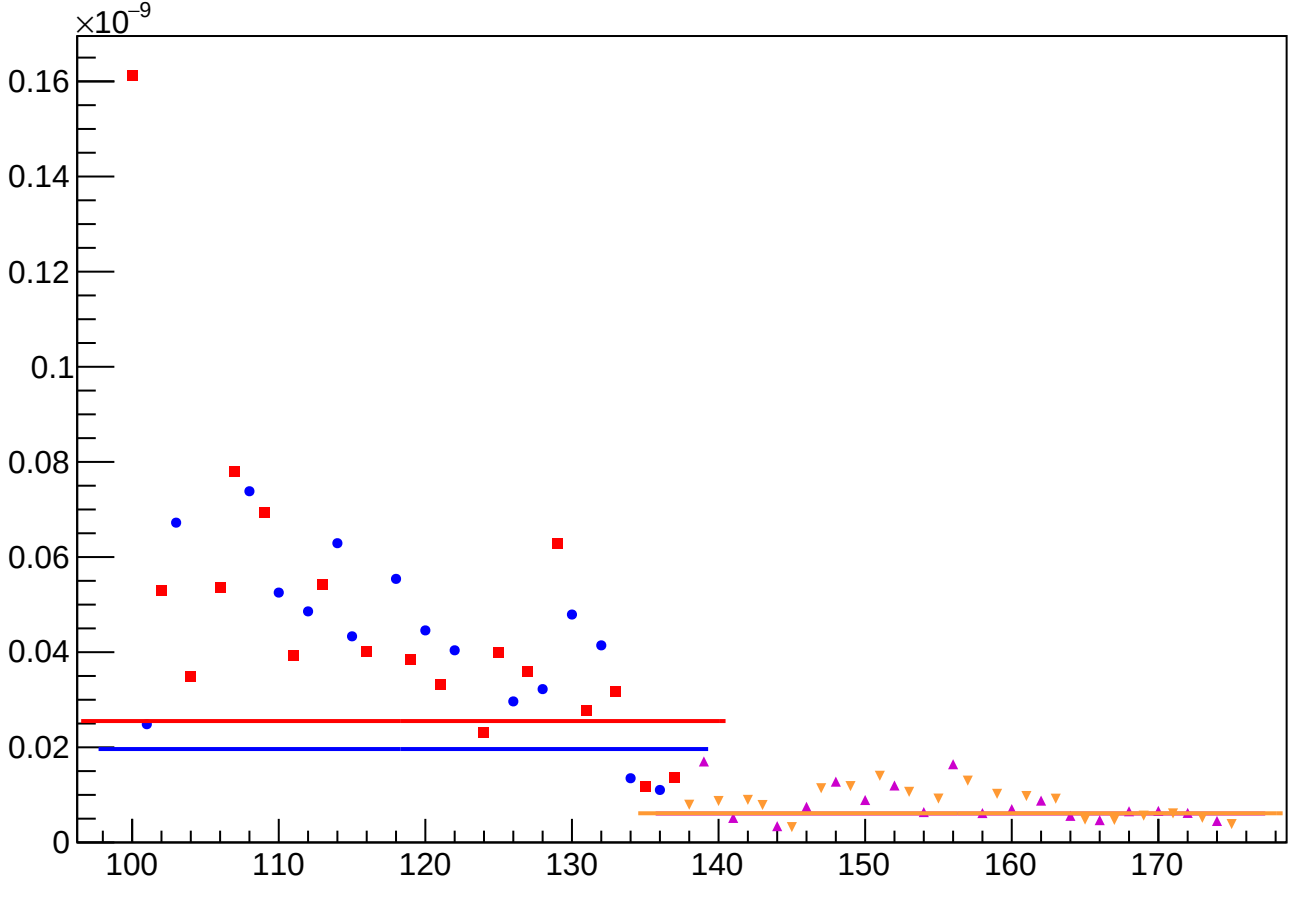
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.754+/-0.007 χ^2/NDF:3188936.3/33

Out: 41.656+/-0.007 χ^2/NDF:4060704.9/38

All: 41.204+/-0.005 χ^2/NDF: 7259054.9/72


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:11.3/17
Left: 0.000+/-0.000 χ²/NDF: 28.2/37
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:24.6/33
Out: 0.000+/-0.000 χ²/NDF:32.8/38
All: 0.000+/-0.000 χ²/NDF: 61.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3085148.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2338848.5/17

Left: 0.000+/-0.000 χ^2/NDF: 5424520.3/37

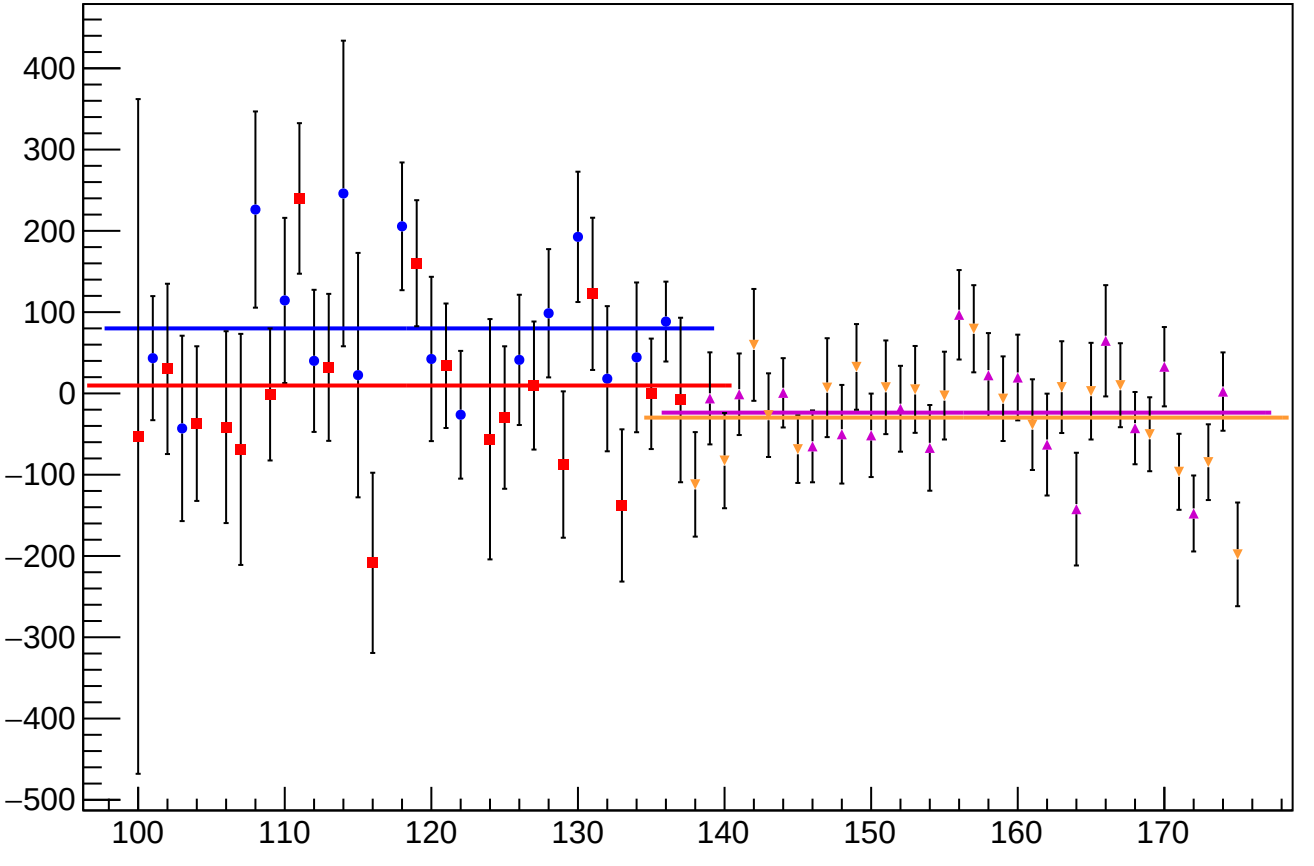
Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8405526.1/33

Out: 0.000+/-0.000 χ^2/NDF:9695922.7/38

All: 0.000+/-0.000 χ^2/NDF: 18101448.8/72

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.758+/-11.967 χ^2/NDF:24.2/19

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -23.644+/-12.225 χ^2/NDF:22.8/17

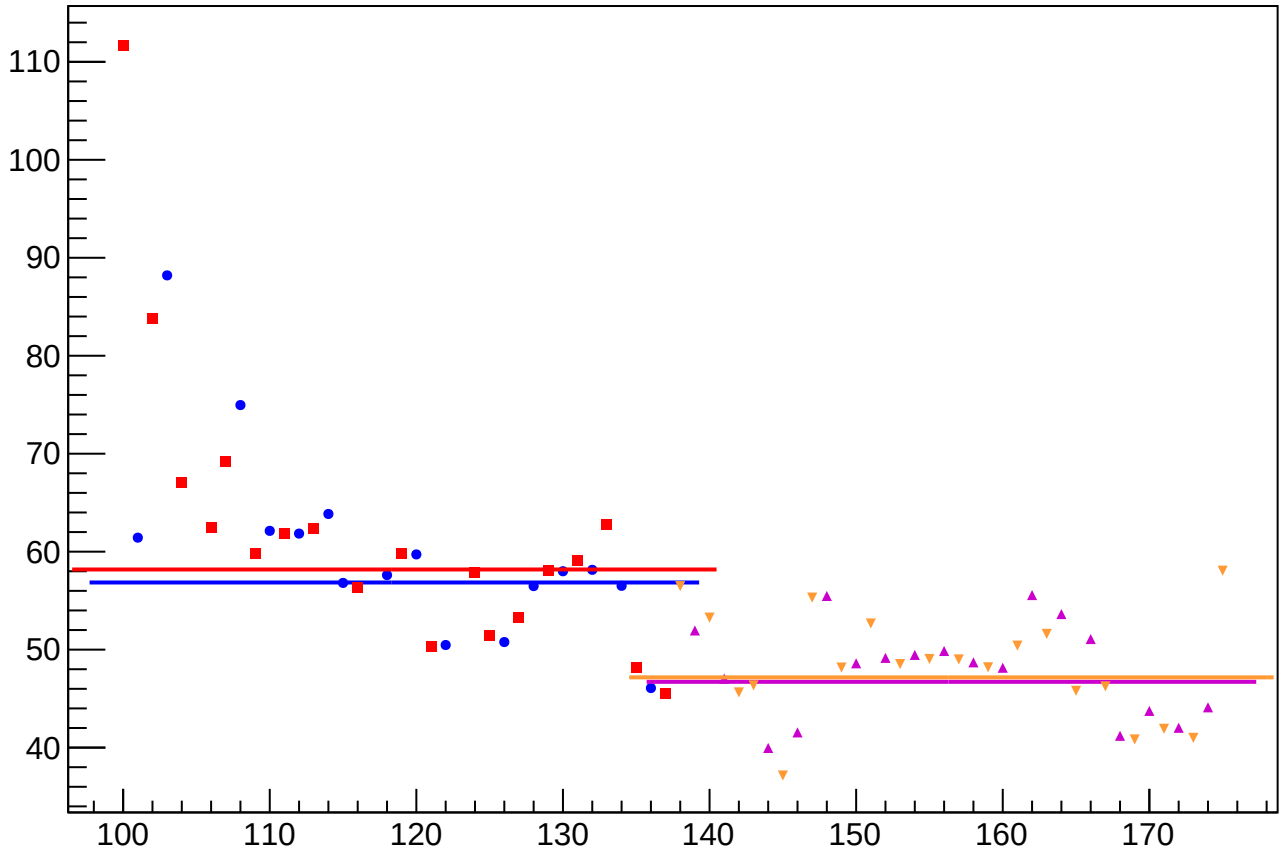
Left: -26.766+/-8.552 χ^2/NDF: 47.1/37

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 1.722+/-10.624 χ^2/NDF:51.9/33

Out: -20.496+/-10.470 χ^2/NDF:47.1/38

All: -9.549+/-7.457 χ^2/NDF: 101.2/72



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

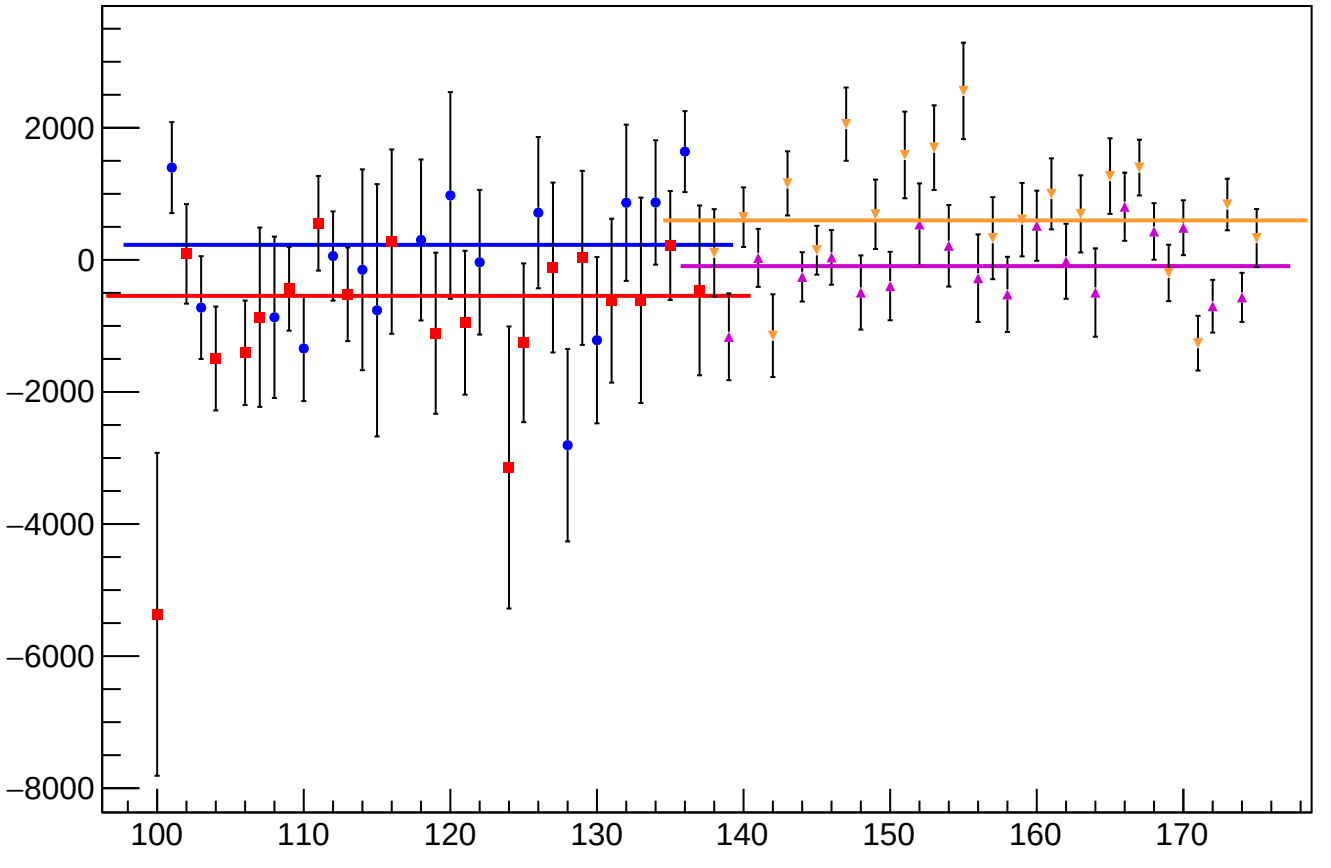
Left: 46.946+/-0.006 χ^2/NDF: 714702.5/37

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.196+/-0.008 χ^2/NDF:970197.1/33

Out: 49.752+/-0.007 χ^2/NDF:1133442.3/38

All: 49.478+/-0.005 χ^2/NDF: 2106416.1/72



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 597.806+/-112.730 χ^2/NDF:60.6/19

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -94.535+/-115.188 χ^2/NDF:17.9/17

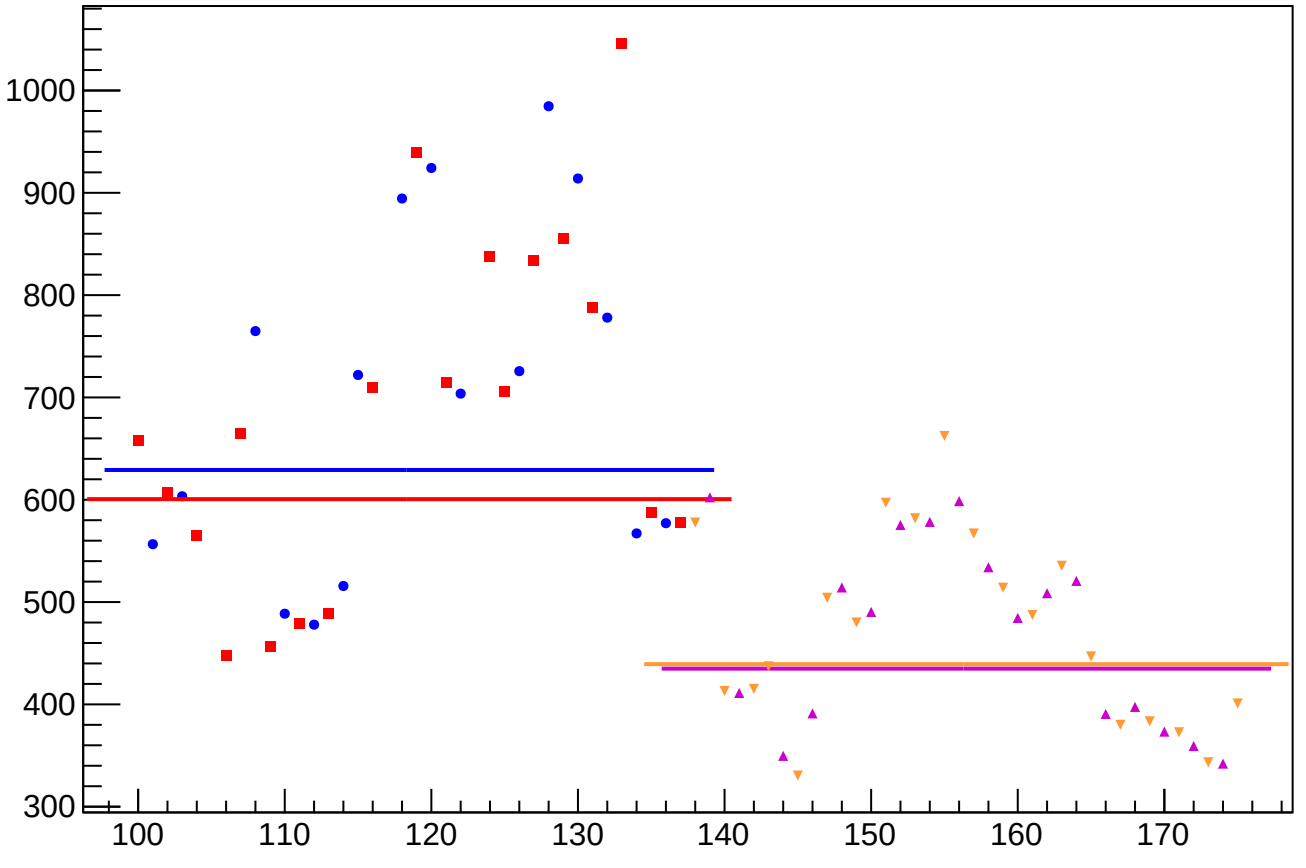
Left: 259.100+/-80.567 χ^2/NDF: 97.0/37

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -34.738+/-103.945 χ^2/NDF:41.0/33

Out: 372.155+/-100.987 χ^2/NDF:94.3/38

All: 174.581+/-72.432 χ^2/NDF: 143.2/72



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163485.9/19

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 434.943+/-0.081 χ^2/NDF:1072258.5/17

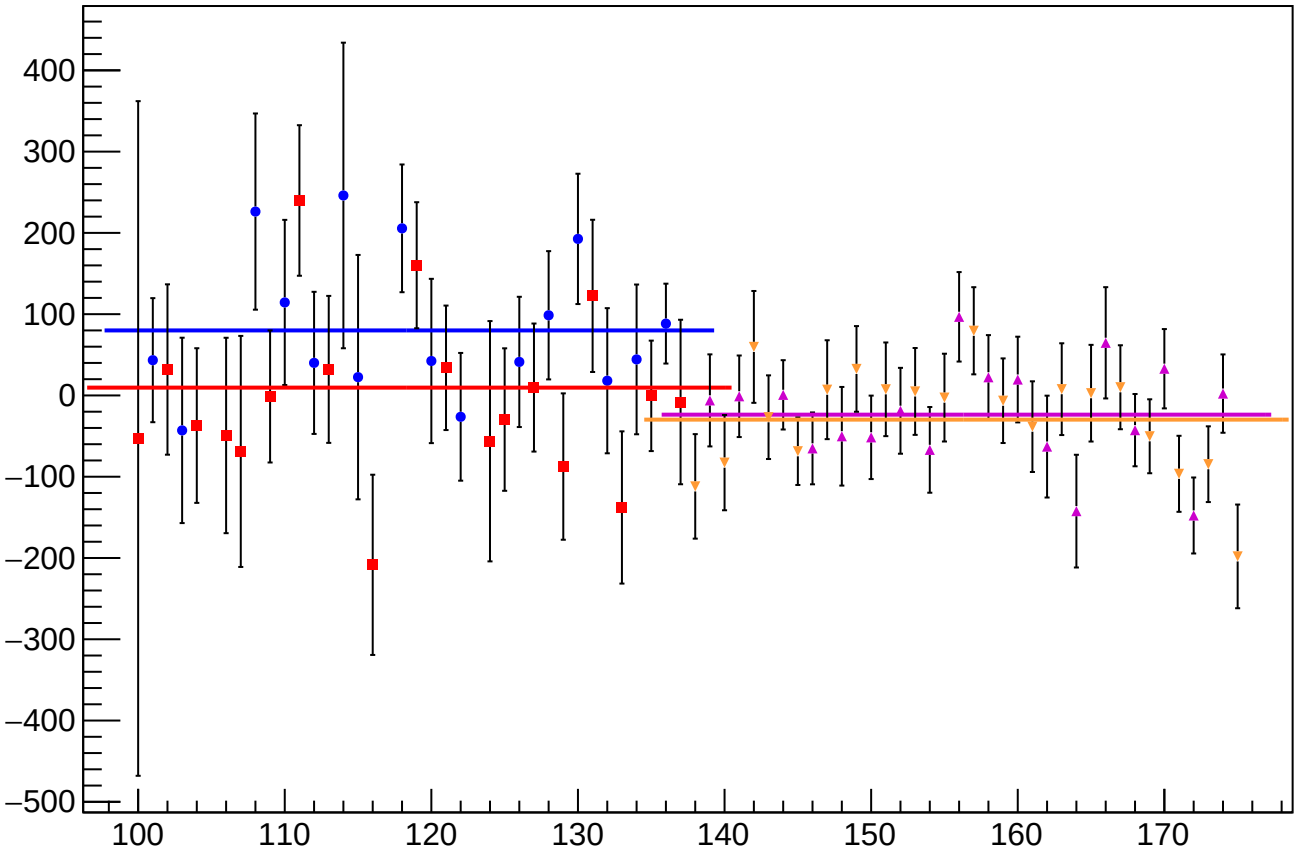
Left: 437.177+/-0.057 χ^2/NDF: 2237217.4/37

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 470.993+/-0.074 χ^2/NDF:2820022.5/33

Out: 471.168+/-0.071 χ^2/NDF:2846527.9/38

All: 471.083+/-0.051 χ^2/NDF: 5666553.3/72



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.644+/-12.225 χ^2/NDF:22.8/17

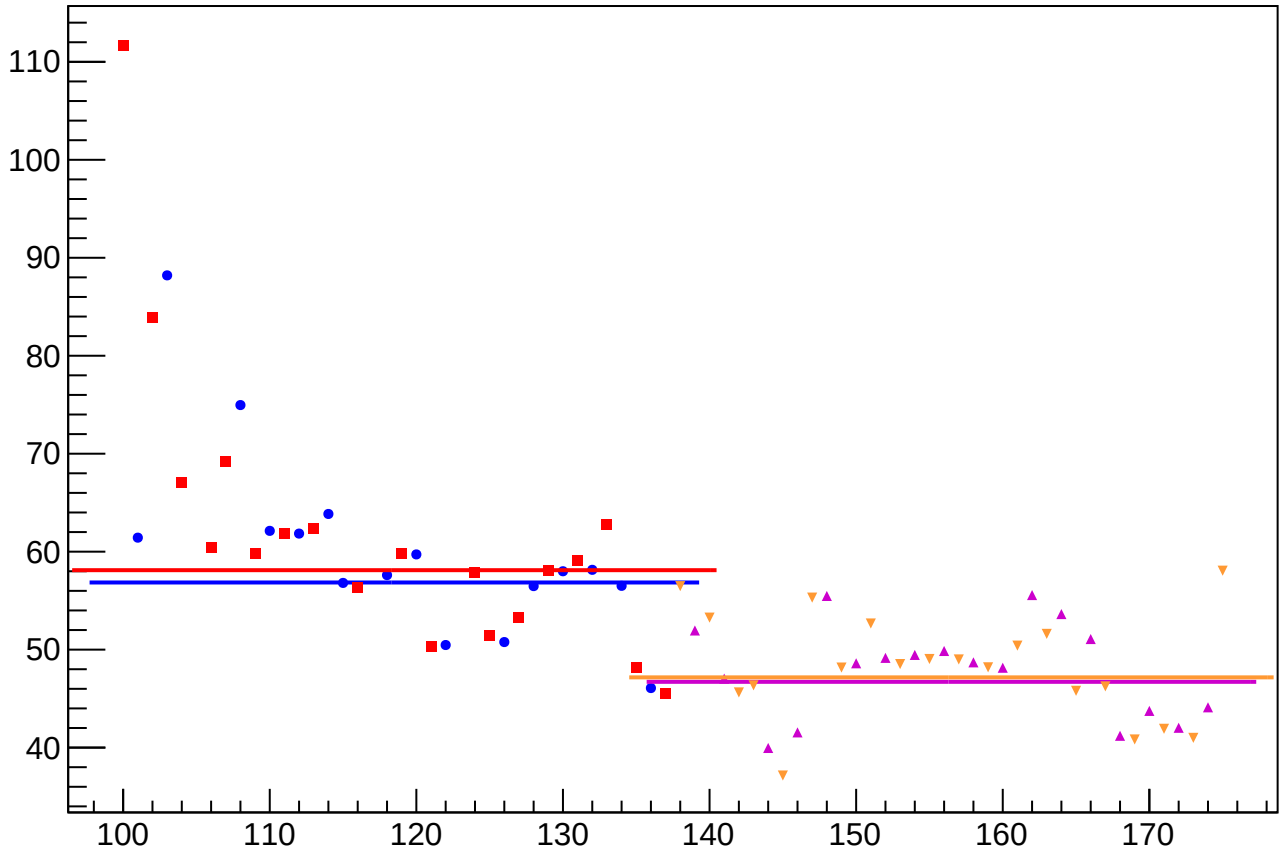
Left: -26.768+/-8.552 χ^2/NDF: 47.1/37

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.723+/-10.624 χ^2/NDF:51.9/33

Out: -20.532+/-10.471 χ^2/NDF:47.1/38

All: -9.566+/-7.458 χ^2/NDF: 101.3/72



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

Left: 46.946+/-0.006 χ^2/NDF: 714702.5/37

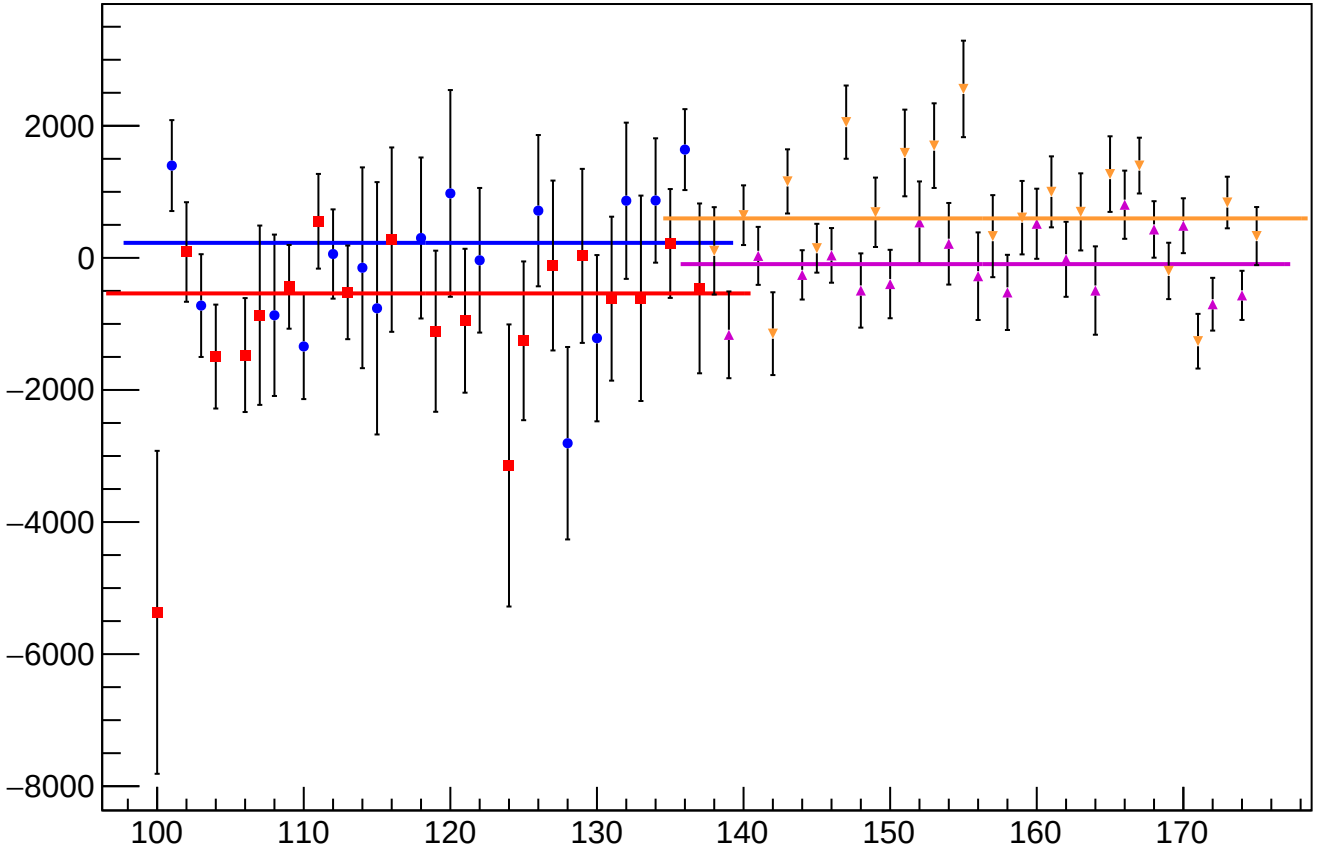
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.196+/-0.008 χ^2/NDF:970201.1/33

Out: 49.733+/-0.007 χ^2/NDF:1126256.4/38

All: 49.468+/-0.005 χ^2/NDF: 2099046.7/72

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -94.538+/-115.188 χ^2/NDF:17.9/17

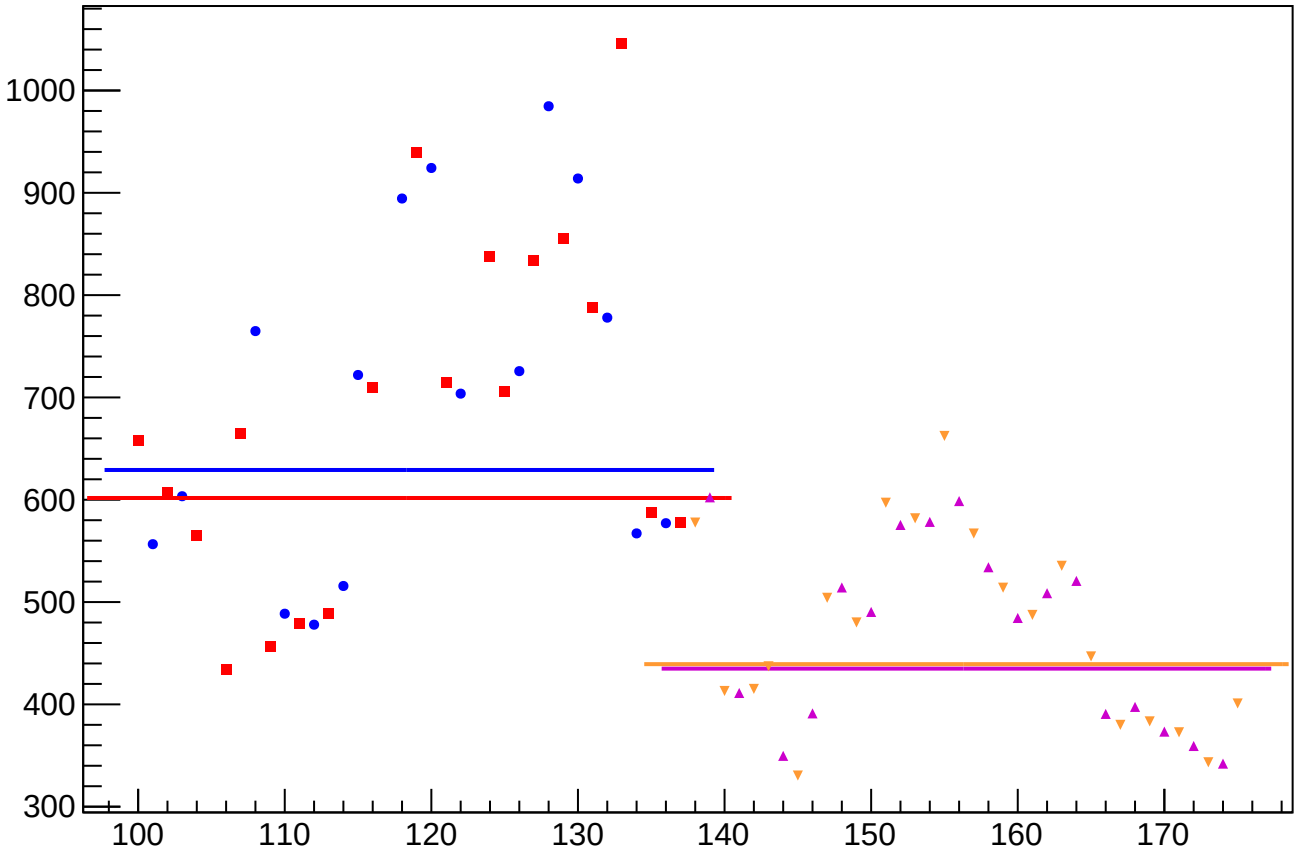
Left: 259.098+/-80.567 χ^2/NDF: 97.0/37

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -34.734+/-103.946 χ^2/NDF:41.0/33

Out: 375.845+/-101.119 χ^2/NDF:93.8/38

All: 176.215+/-72.480 χ^2/NDF: 142.9/72



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

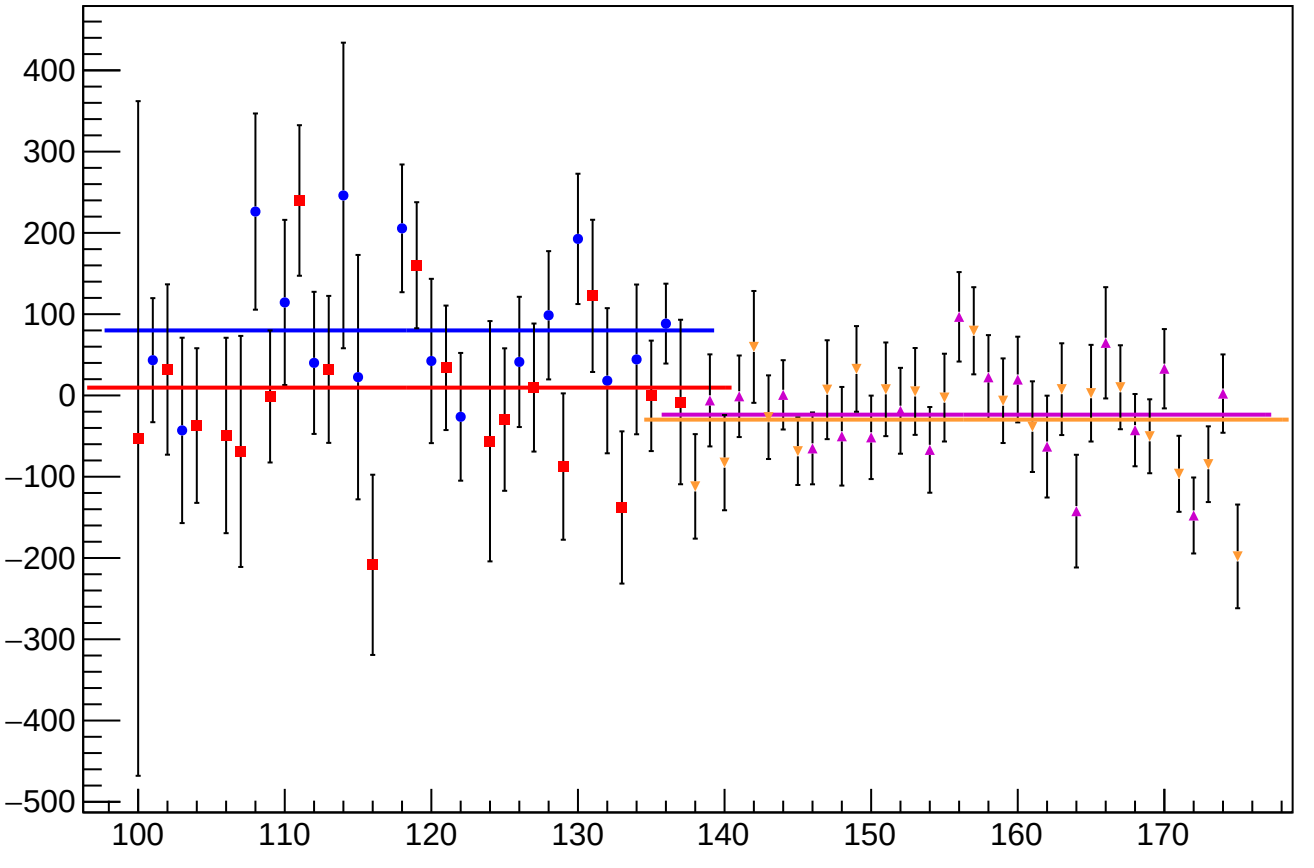
Left: 437.177+/-0.057 χ^2/NDF: 2237217.4/37

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 470.994+/-0.074 χ^2/NDF:2820052.3/33

Out: 471.050+/-0.072 χ^2/NDF:2848612.1/38

All: 471.023+/-0.051 χ^2/NDF: 5668664.7/72



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.644+/-12.225 χ^2/NDF:22.8/17

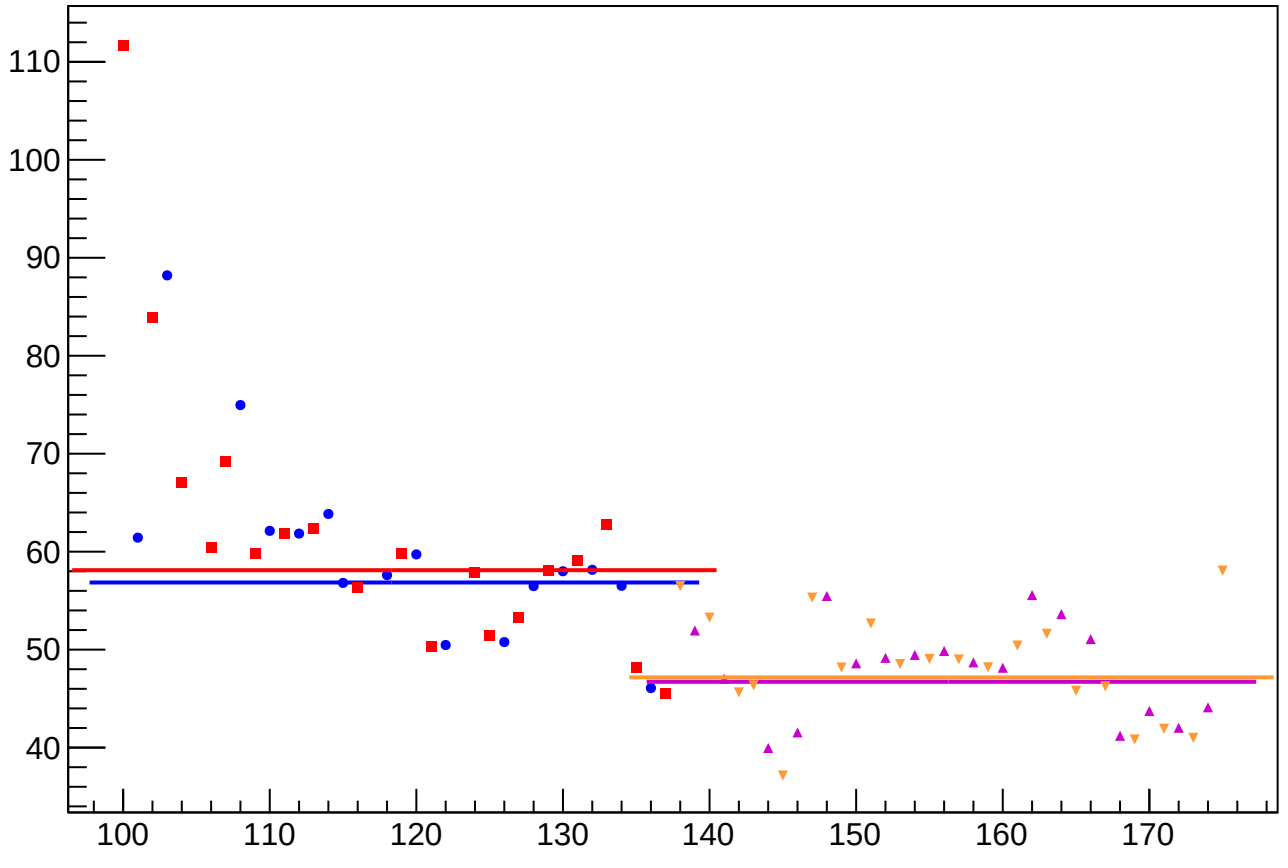
Left: -26.768+/-8.552 χ^2/NDF: 47.1/37

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.723+/-10.624 χ^2/NDF:51.9/33

Out: -20.532+/-10.471 χ^2/NDF:47.1/38

All: -9.566+/-7.458 χ^2/NDF: 101.3/72



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

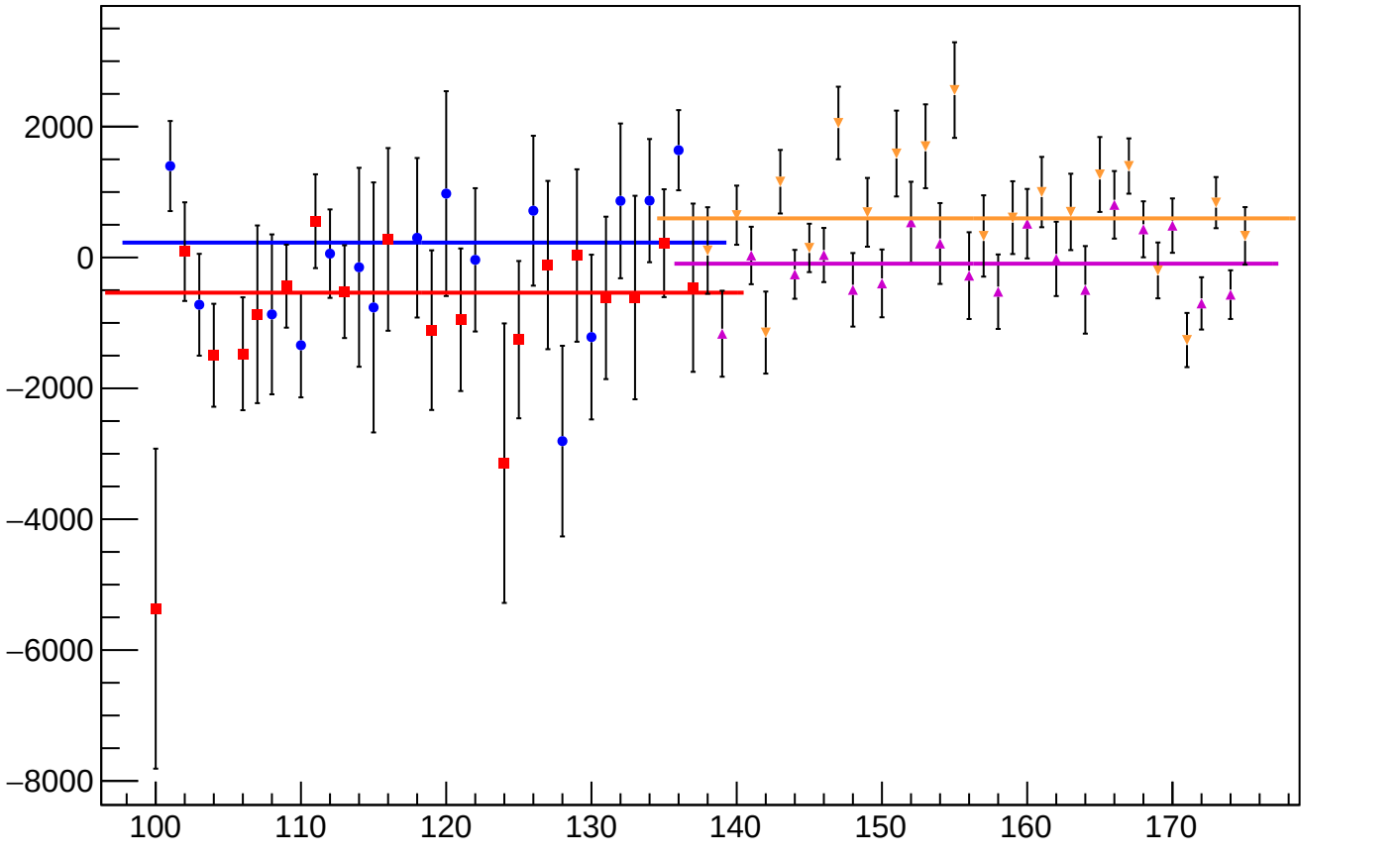
Left: 46.946+/-0.006 χ^2/NDF: 714702.5/37

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.196+/-0.008 χ^2/NDF:970201.1/33

Out: 49.733+/-0.007 χ^2/NDF:1126256.4/38

All: 49.468+/-0.005 χ^2/NDF: 2099046.7/72



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -94.538+/-115.188 χ^2/NDF:17.9/17

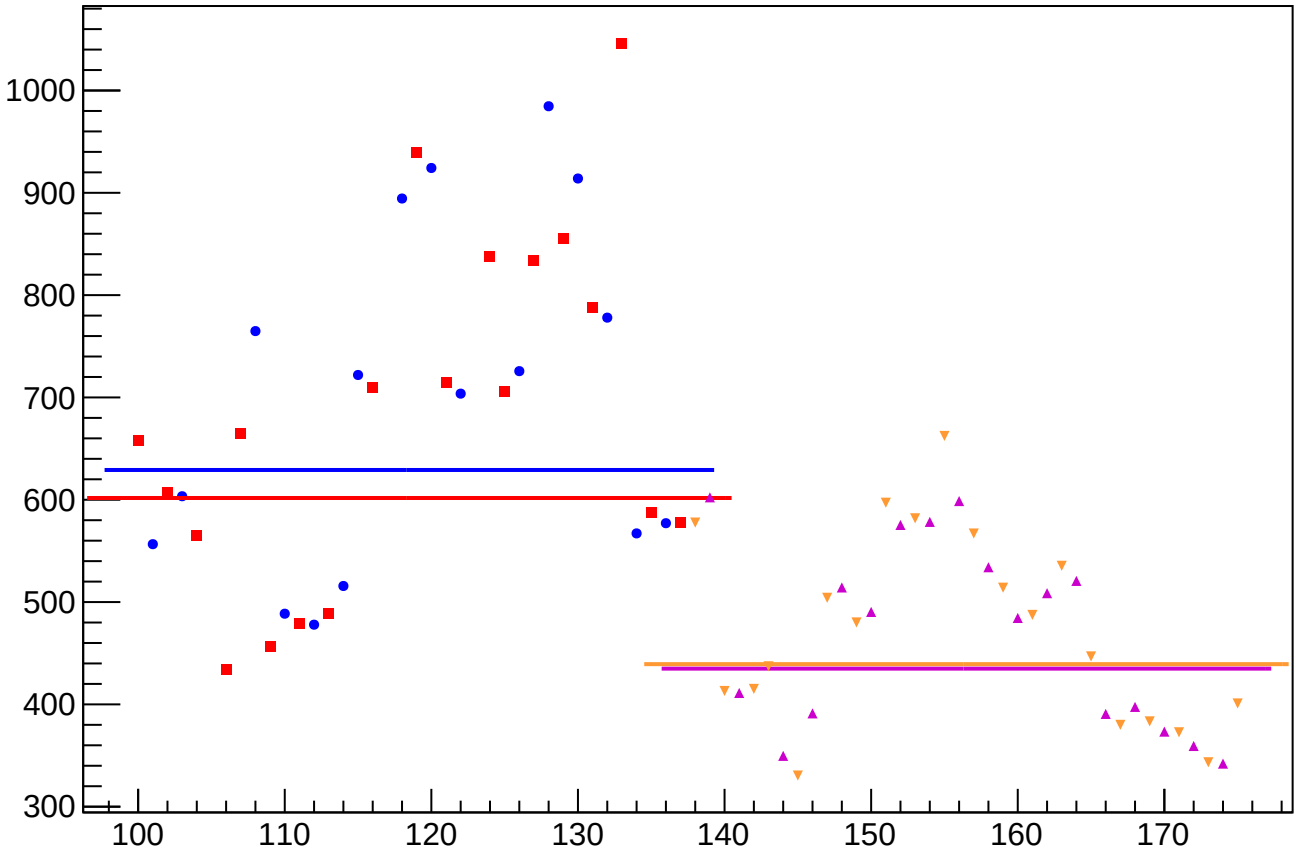
Left: 259.098+/-80.567 χ^2/NDF: 97.0/37

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -34.734+/-103.946 χ^2/NDF:41.0/33

Out: 375.845+/-101.119 χ^2/NDF:93.8/38

All: 176.215+/-72.480 χ^2/NDF: 142.9/72



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

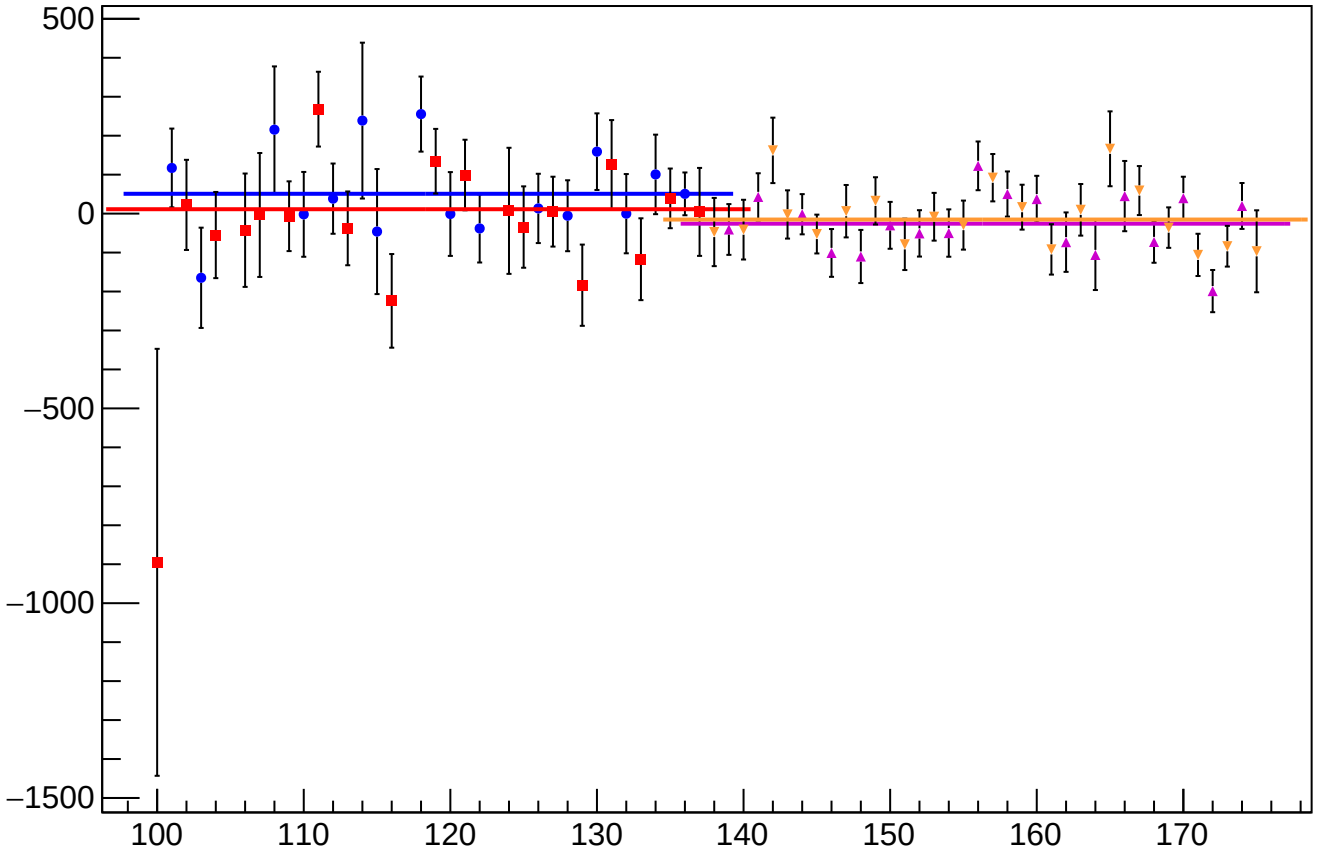
Left: 437.177+/-0.057 χ^2/NDF: 2237217.4/37

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 470.994+/-0.074 χ^2/NDF:2820052.3/33

Out: 471.050+/-0.072 χ^2/NDF:2848612.1/38

All: 471.023+/-0.051 χ^2/NDF: 5668664.7/72



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.252+/-14.265 χ^2/NDF:22.3/19

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -25.862+/-14.504 χ^2/NDF:28.2/17

Left: -20.469+/-10.170 χ^2/NDF: 50.7/37

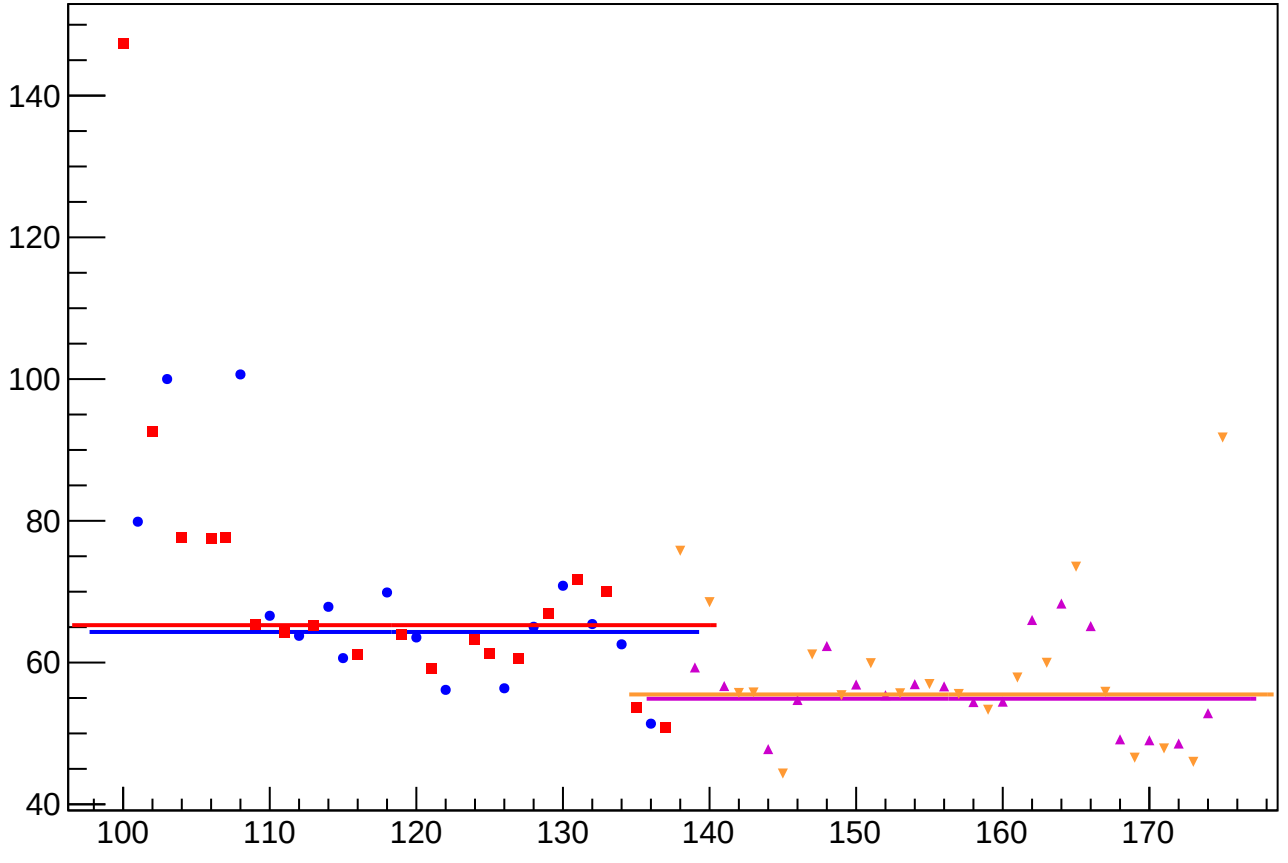
Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -5.942+/-12.480 χ^2/NDF:49.2/33

Out: -8.468+/-12.305 χ^2/NDF:47.2/38

All: -7.223+/-8.762 χ^2/NDF: 96.4/72

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.501+/-0.010 χ^2/NDF:776874.2/19

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 54.897+/-0.010 χ^2/NDF:267091.6/17

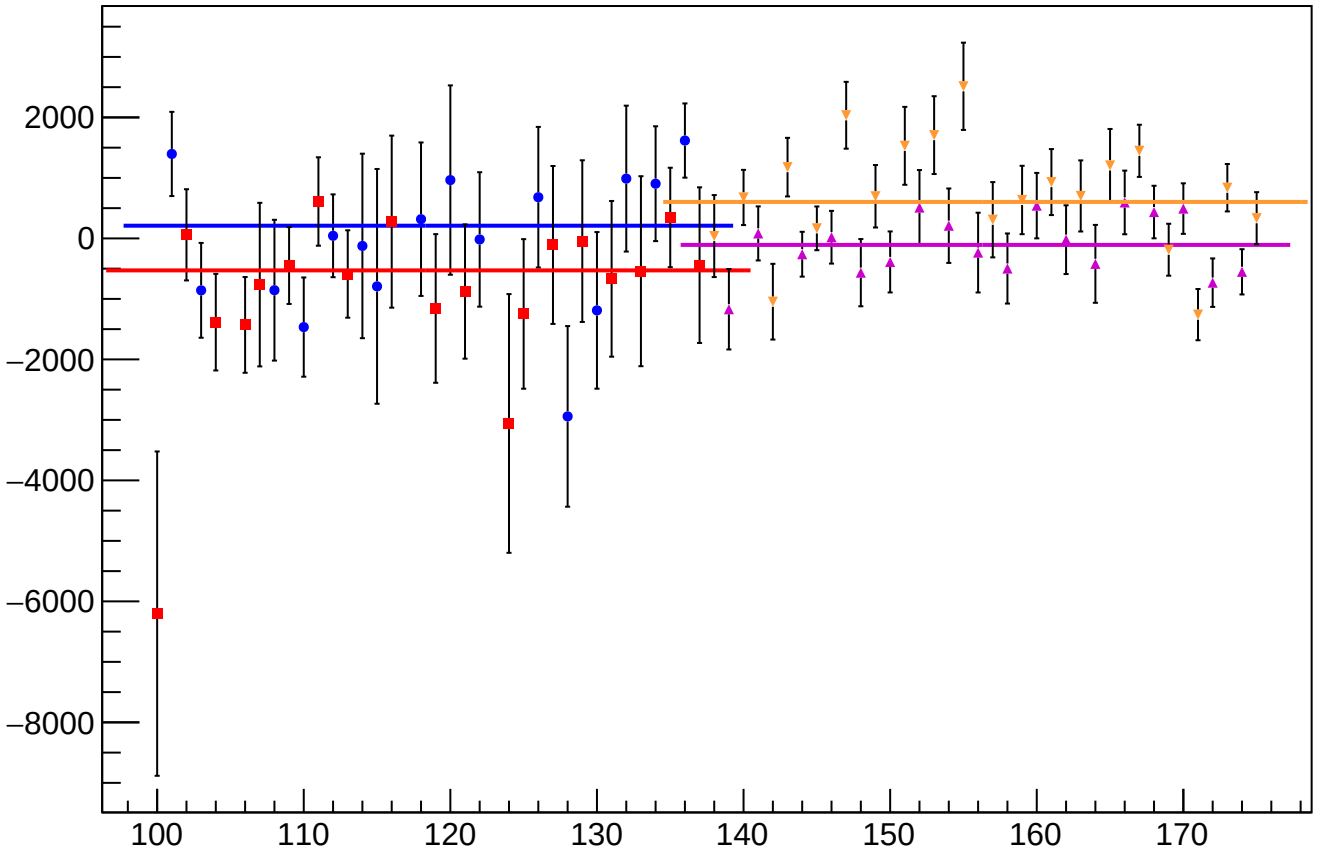
Left: 55.204+/-0.007 χ^2/NDF: 1045728.1/37

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.343+/-0.009 χ^2/NDF:951065.3/33

Out: 58.003+/-0.009 χ^2/NDF:1336406.6/38

All: 57.678+/-0.006 χ^2/NDF: 2290307.5/72



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.043+/-113.064 χ^2/NDF:58.3/19

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -107.356+/-115.891 χ^2/NDF:16.7/17

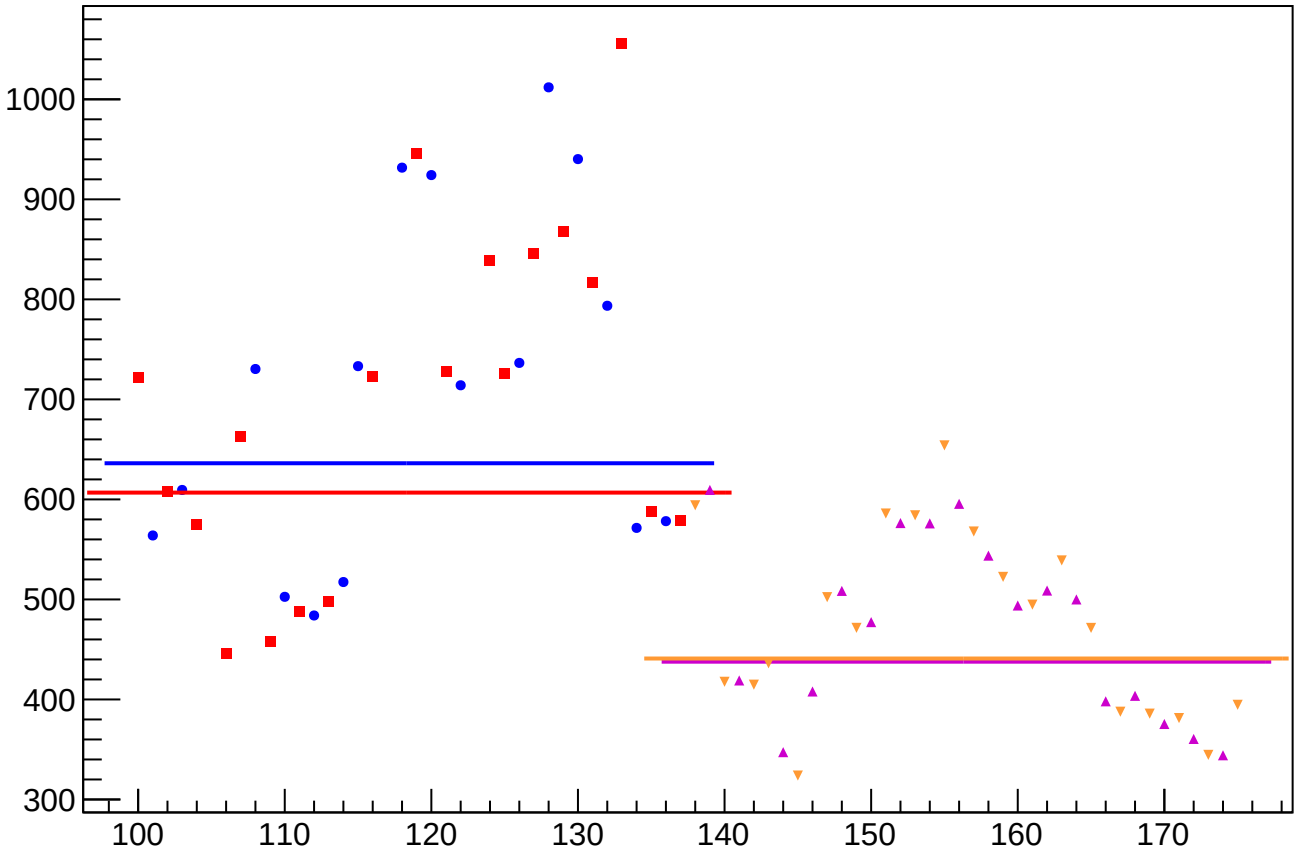
Left: 256.613+/-80.929 χ^2/NDF: 94.2/37

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -48.859+/-104.667 χ^2/NDF:40.5/33

Out: 382.289+/-101.439 χ^2/NDF:91.6/38

All: 173.465+/-72.843 χ^2/NDF: 140.9/72



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.929+/-0.080 χ^2/NDF:1179466.3/19

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 437.766+/-0.082 χ^2/NDF:1031836.4/17

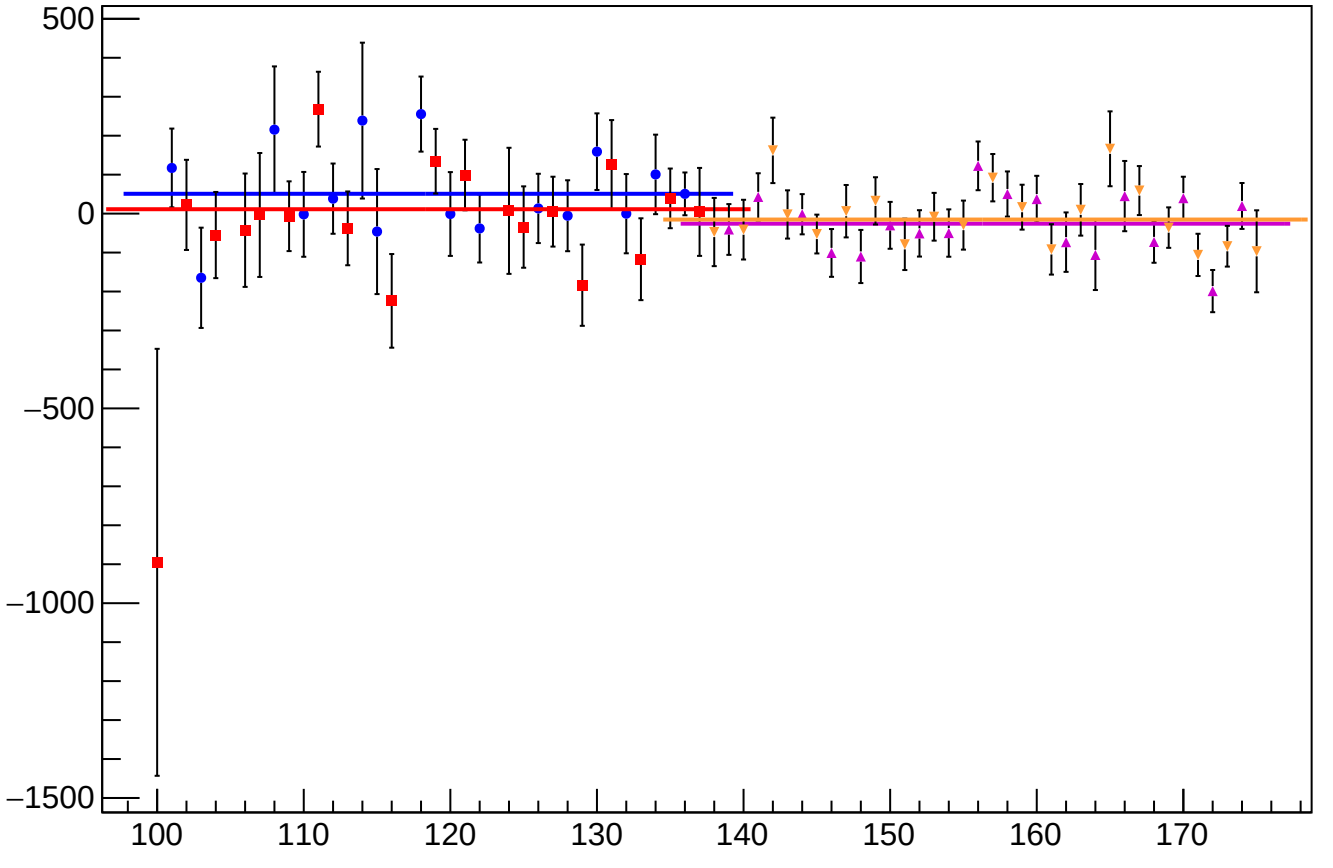
Left: 439.386+/-0.057 χ^2/NDF: 2212066.1/37

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 474.330+/-0.074 χ^2/NDF:2817219.6/33

Out: 473.285+/-0.072 χ^2/NDF:2913012.3/38

All: 473.791+/-0.052 χ^2/NDF: 5730334.8/72



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.253+/-14.265 χ^2/NDF:22.3/19

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -25.862+/-14.504 χ^2/NDF:28.2/17

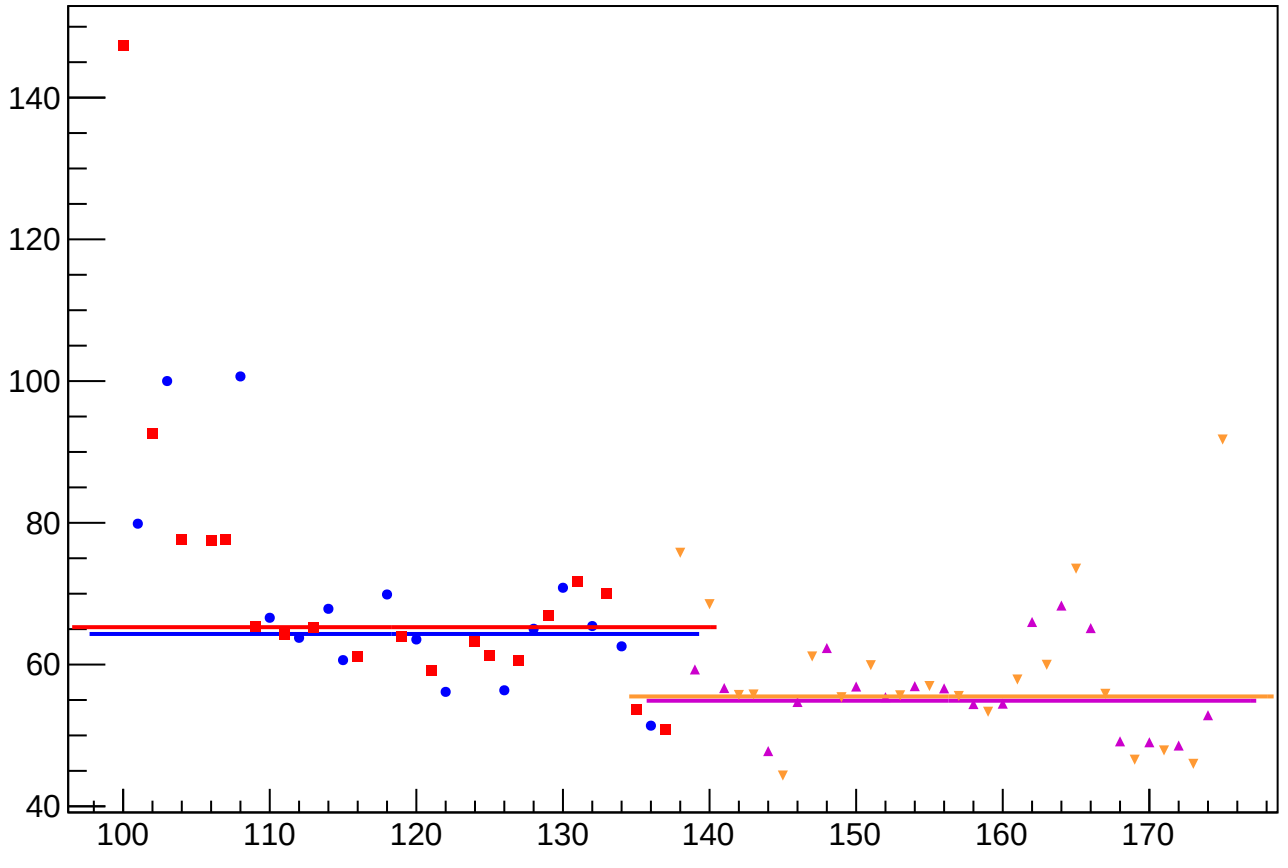
Left: -20.469+/-10.170 χ^2/NDF: 50.7/37

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -5.942+/-12.480 χ^2/NDF:49.2/33

Out: -8.468+/-12.305 χ^2/NDF:47.2/38

All: -7.223+/-8.762 χ^2/NDF: 96.4/72



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.501+/-0.010 χ^2/NDF:776862.8/19

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 54.897+/-0.010 χ^2/NDF:267091.0/17

Left: 55.204+/-0.007 χ^2/NDF: 1045716.4/37

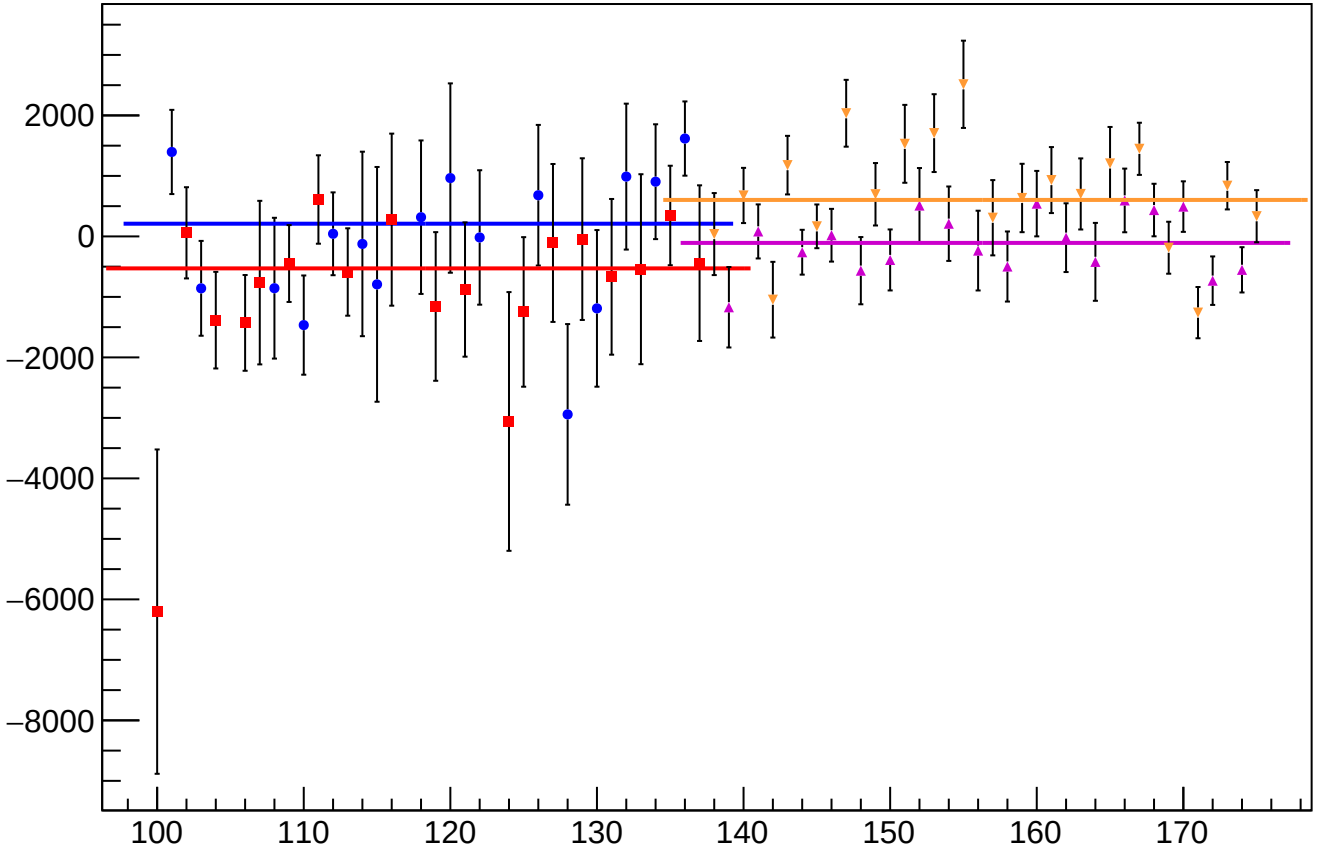
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.343+/-0.009 χ^2/NDF:951056.2/33

Out: 58.003+/-0.009 χ^2/NDF:1336385.4/38

All: 57.678+/-0.006 χ^2/NDF: 2290277.6/72

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.042+/-113.064 χ^2/NDF:58.3/19

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -107.355+/-115.891 χ^2/NDF:16.7/17

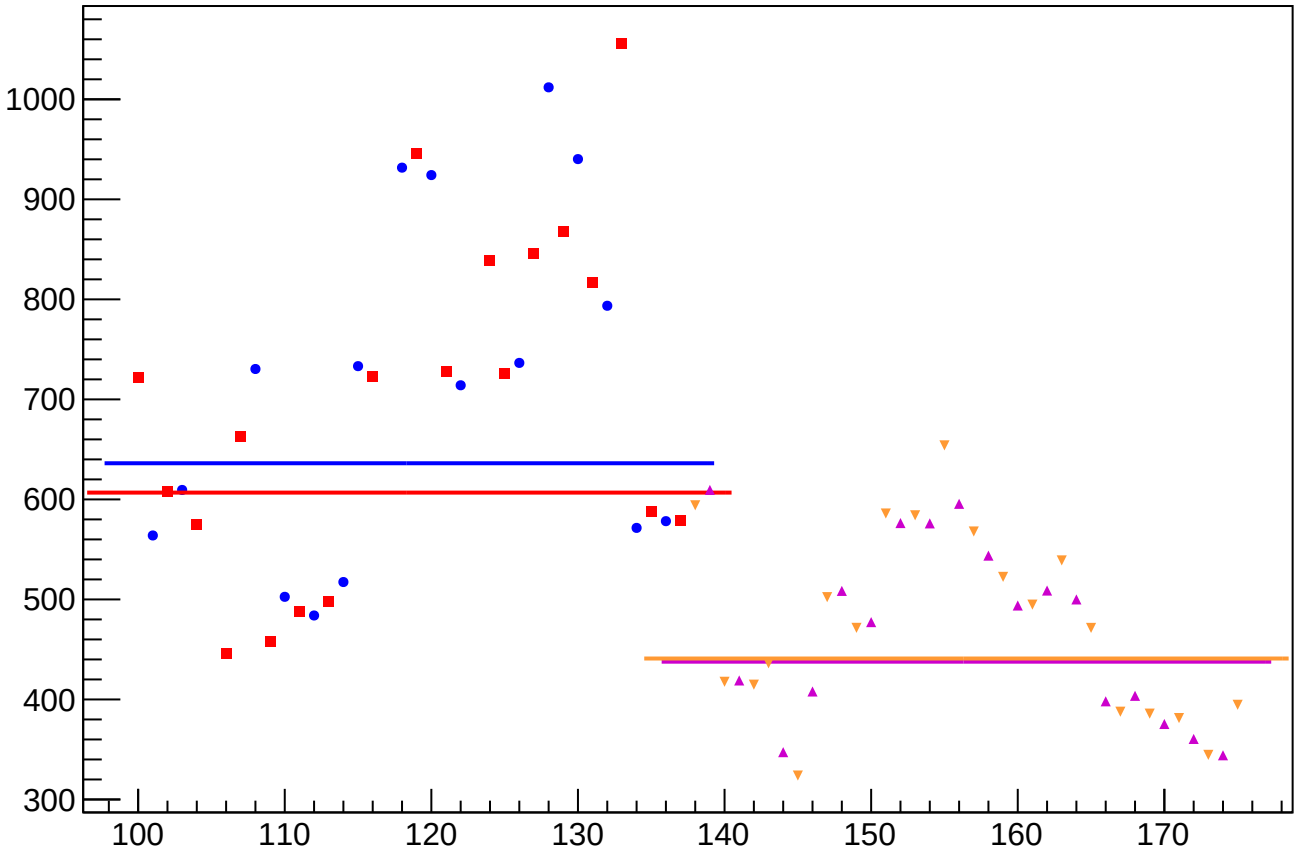
Left: 256.613+/-80.929 χ^2/NDF: 94.2/37

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -48.859+/-104.667 χ^2/NDF:40.5/33

Out: 382.288+/-101.439 χ^2/NDF:91.6/38

All: 173.465+/-72.843 χ^2/NDF: 140.9/72



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.928+/-0.080 χ^2/NDF:1179475.5/19

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 437.765+/-0.082 χ^2/NDF:1031845.2/17

Left: 439.385+/-0.057 χ^2/NDF: 2212084.2/37

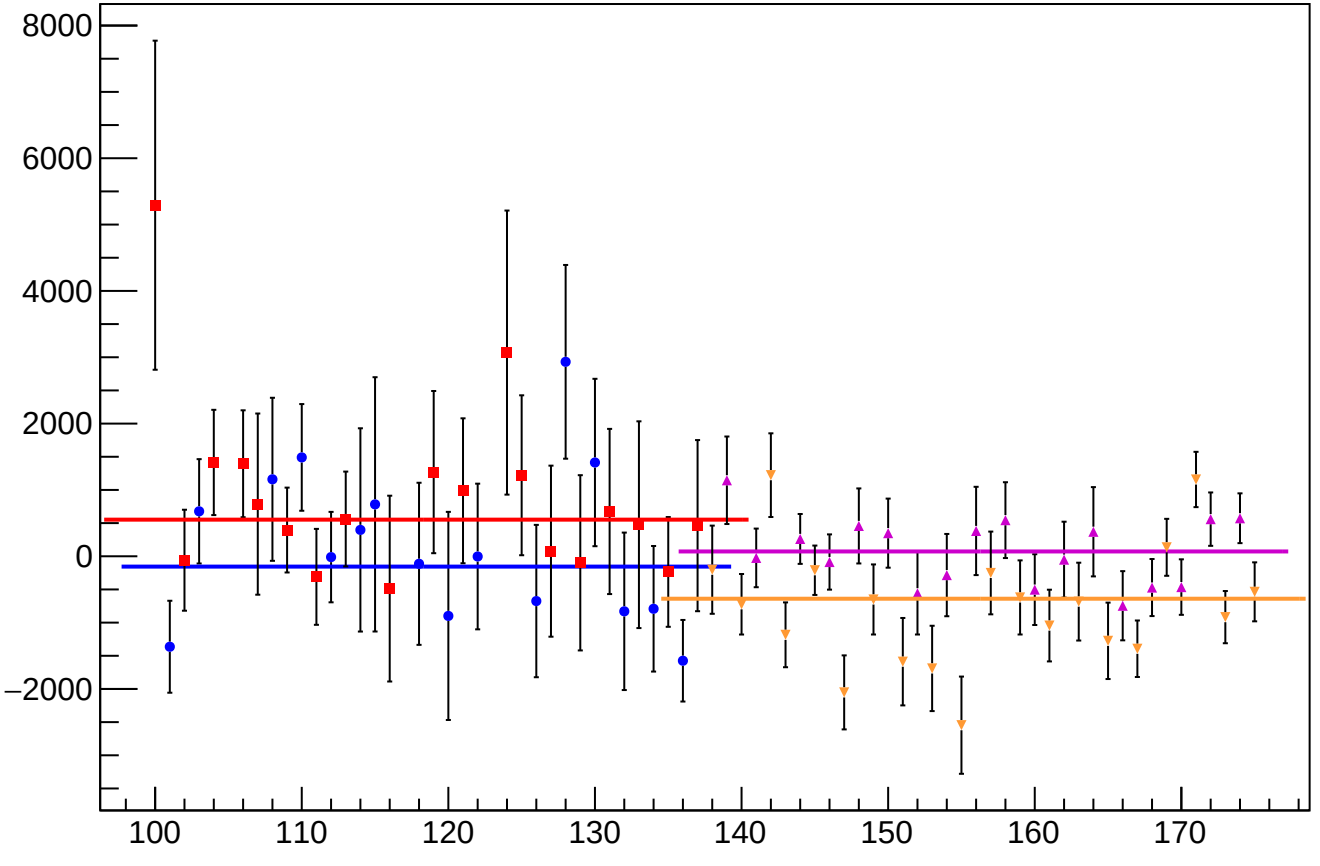
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 474.329+/-0.074 χ^2/NDF:2817238.6/33

Out: 473.284+/-0.072 χ^2/NDF:2913028.2/38

All: 473.790+/-0.052 χ^2/NDF: 5730369.7/72

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -639.814+/-113.439 χ^2/NDF:57.4/19

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 72.664+/-115.902 χ^2/NDF:16.5/17

Left: -291.227+/-81.070 χ^2/NDF: 93.1/37

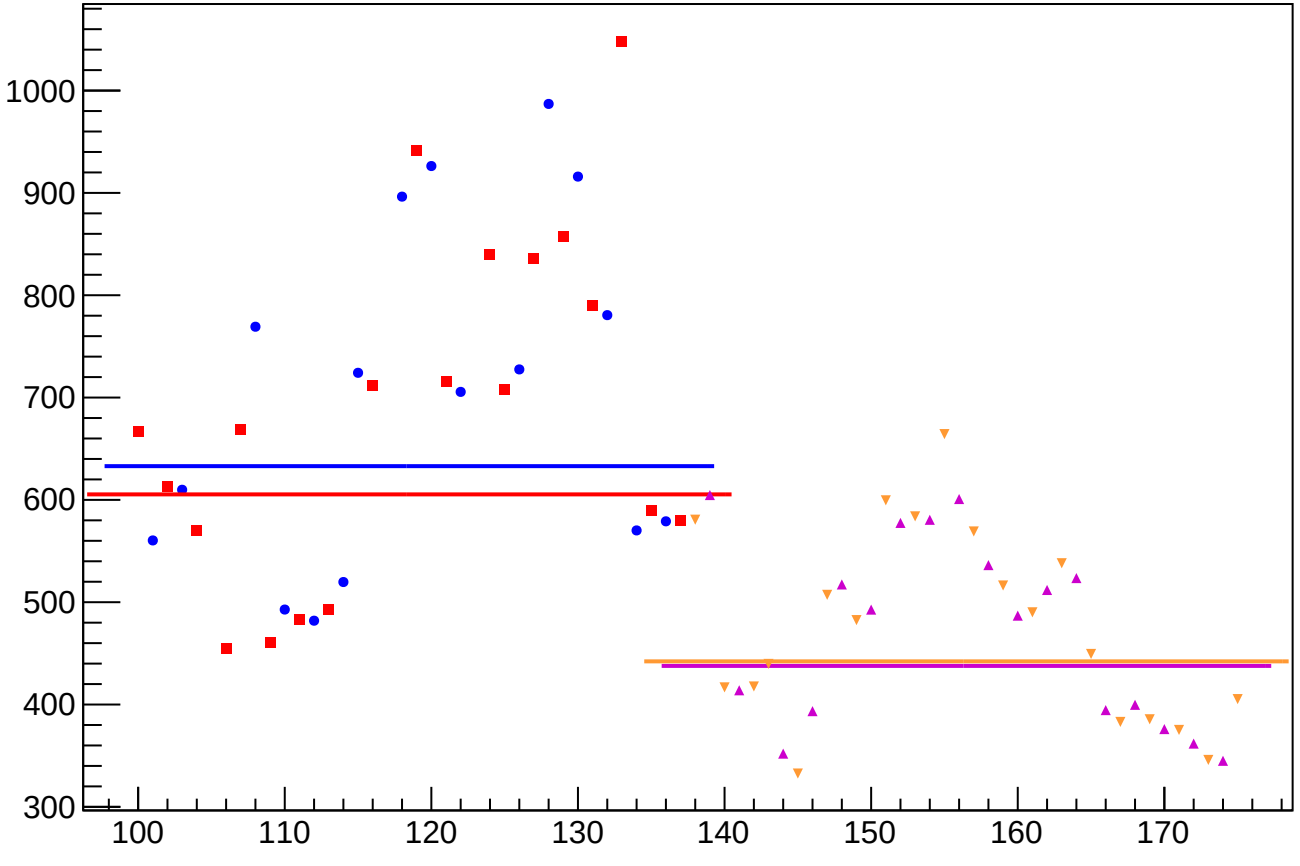
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 30.234+/-104.580 χ^2/NDF:39.7/33

Out: -404.766+/-101.641 χ^2/NDF:91.3/38

All: -193.464+/-72.888 χ^2/NDF: 139.8/72

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 442.192+/-0.080 χ^2/NDF:1149652.4/19

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.751+/-0.082 χ^2/NDF:1058612.4/17

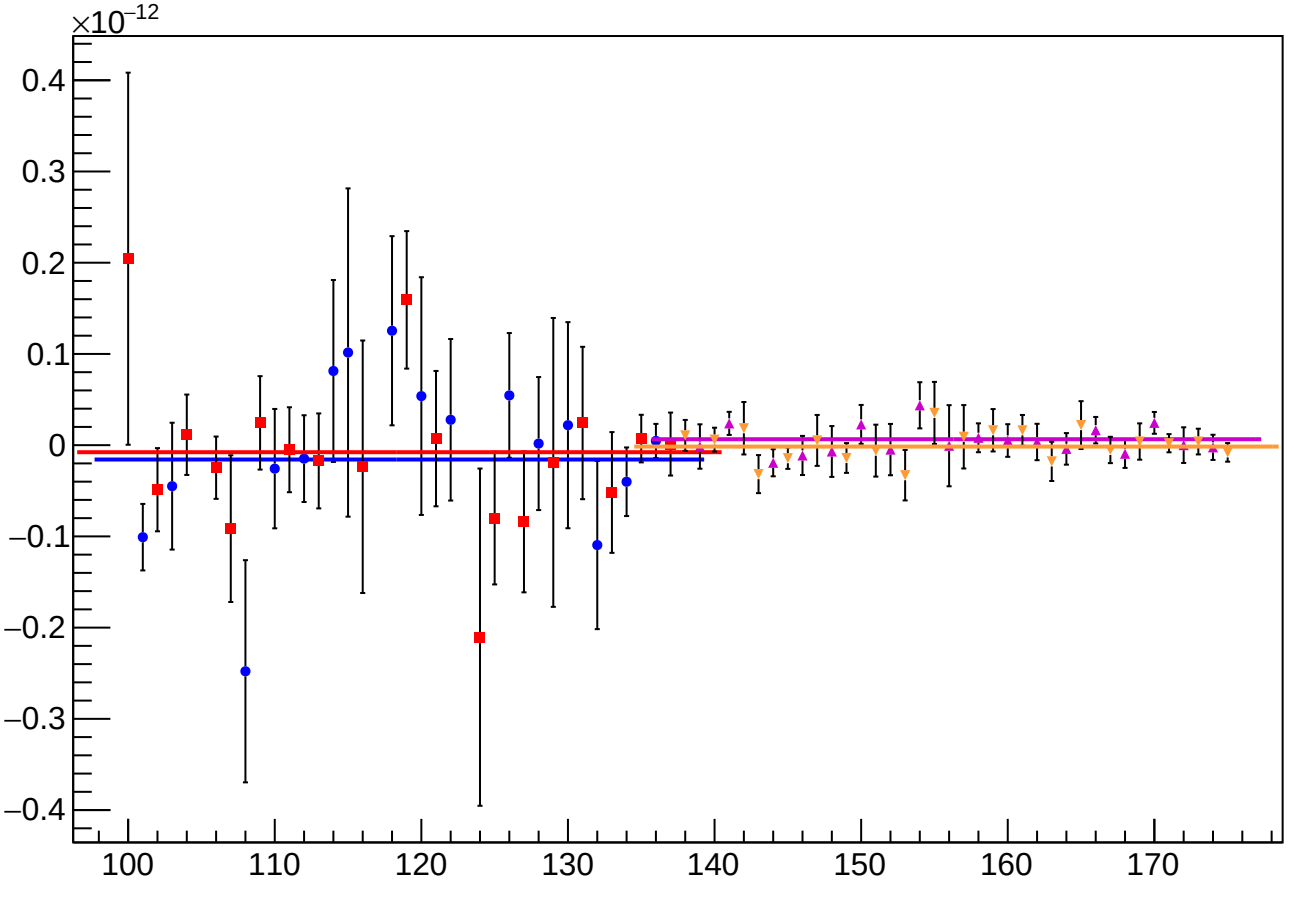
Left: 440.019+/-0.057 χ^2/NDF: 2209764.2/37

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 474.029+/-0.074 χ^2/NDF:2794145.6/33

Out: 474.370+/-0.072 χ^2/NDF:2819722.3/38

All: 474.204+/-0.052 χ^2/NDF: 5613878.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

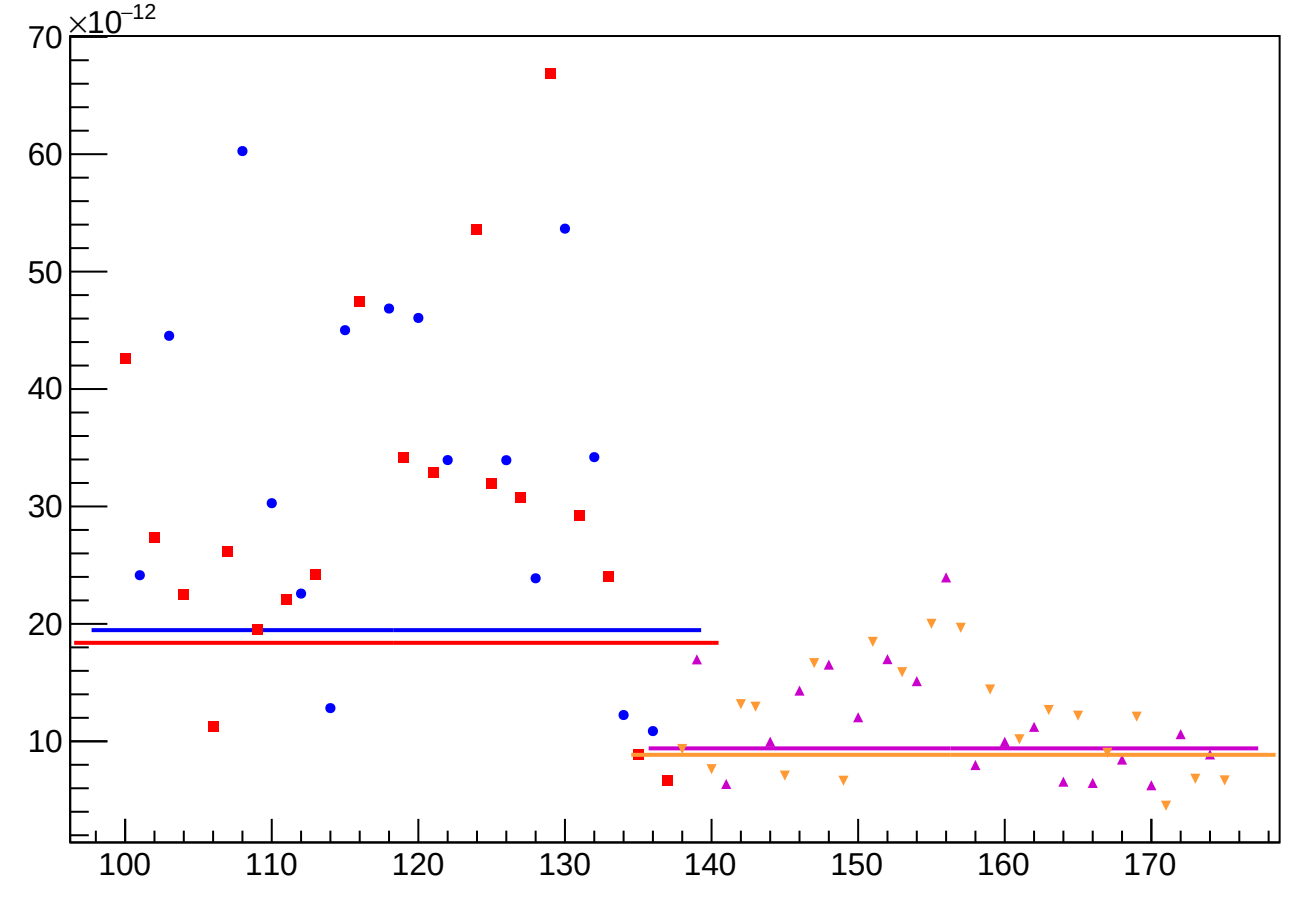
Left: 0.000+/-0.000 χ^2/NDF: 27.4/37

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

In: 0.000+/-0.000 χ^2/NDF:33.3/33

Out: -0.000+/-0.000 χ^2/NDF:25.0/38

All: 0.000+/-0.000 χ^2/NDF: 59.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935188.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1368482.2/17

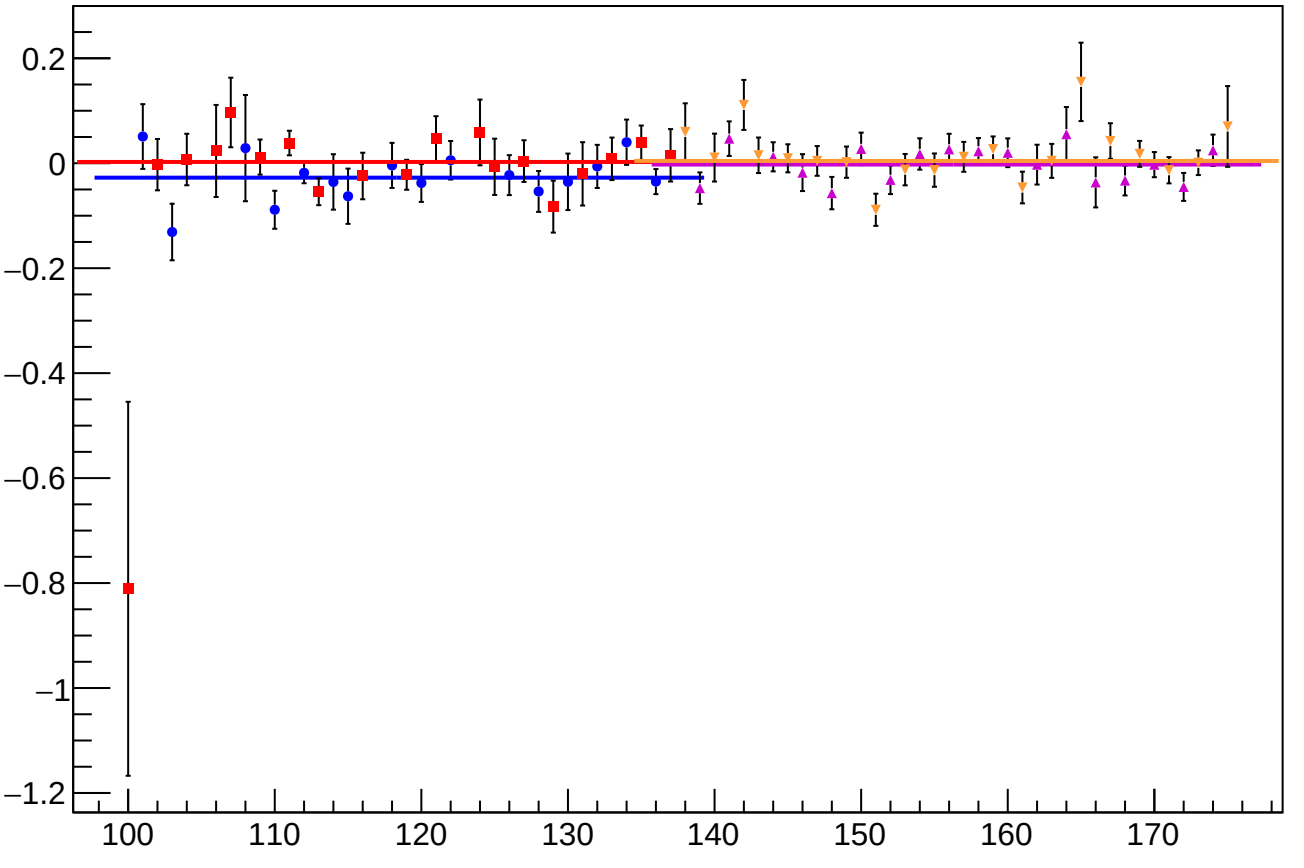
Left: 0.000+/-0.000 χ^2/NDF: 3322866.4/37

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4254917.9/33

Out: 0.000+/-0.000 χ^2/NDF:4502234.8/38

All: 0.000+/-0.000 χ^2/NDF: 8791151.6/72



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

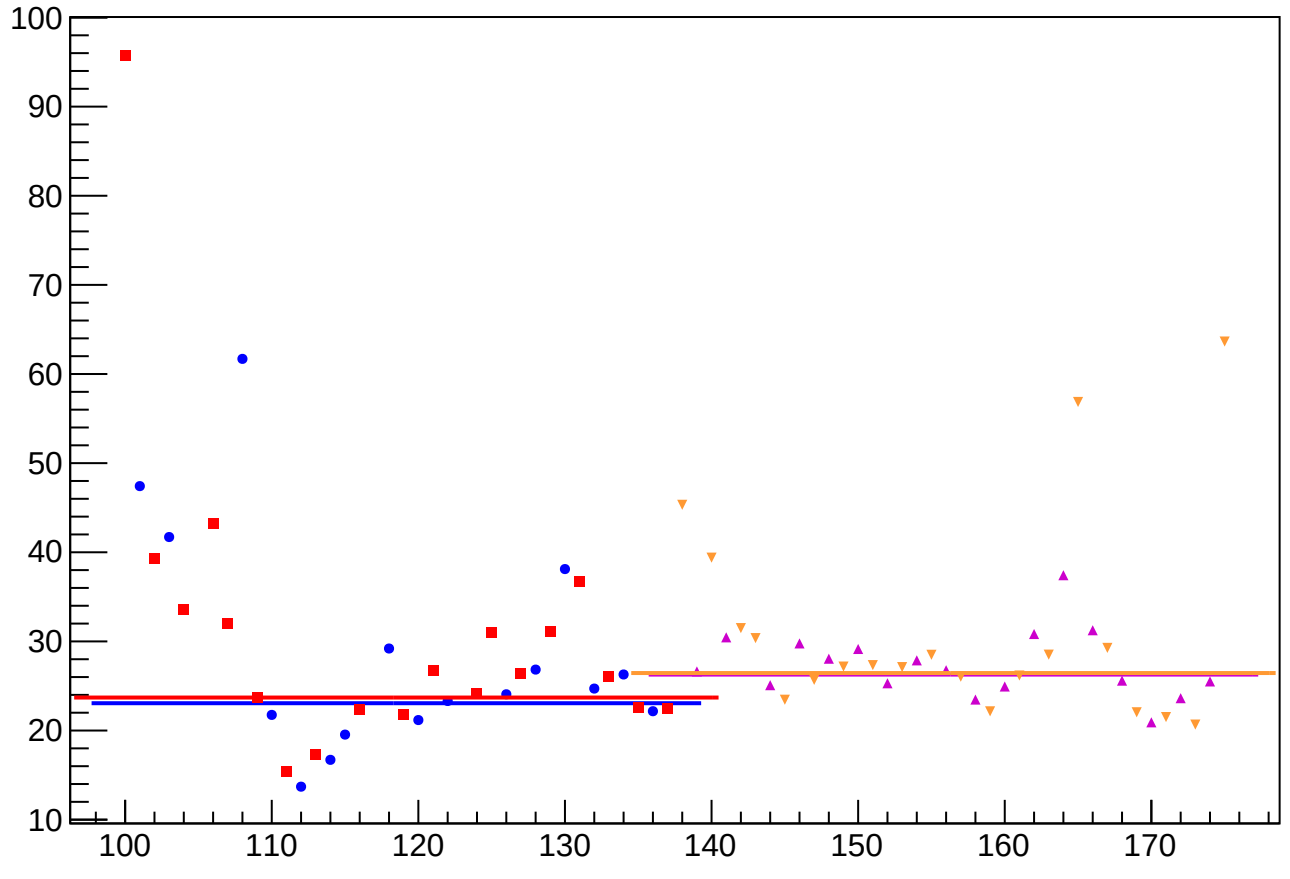
Left: 0.001+/-0.005 χ^2/NDF: 46.7/37

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 90.2/72



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

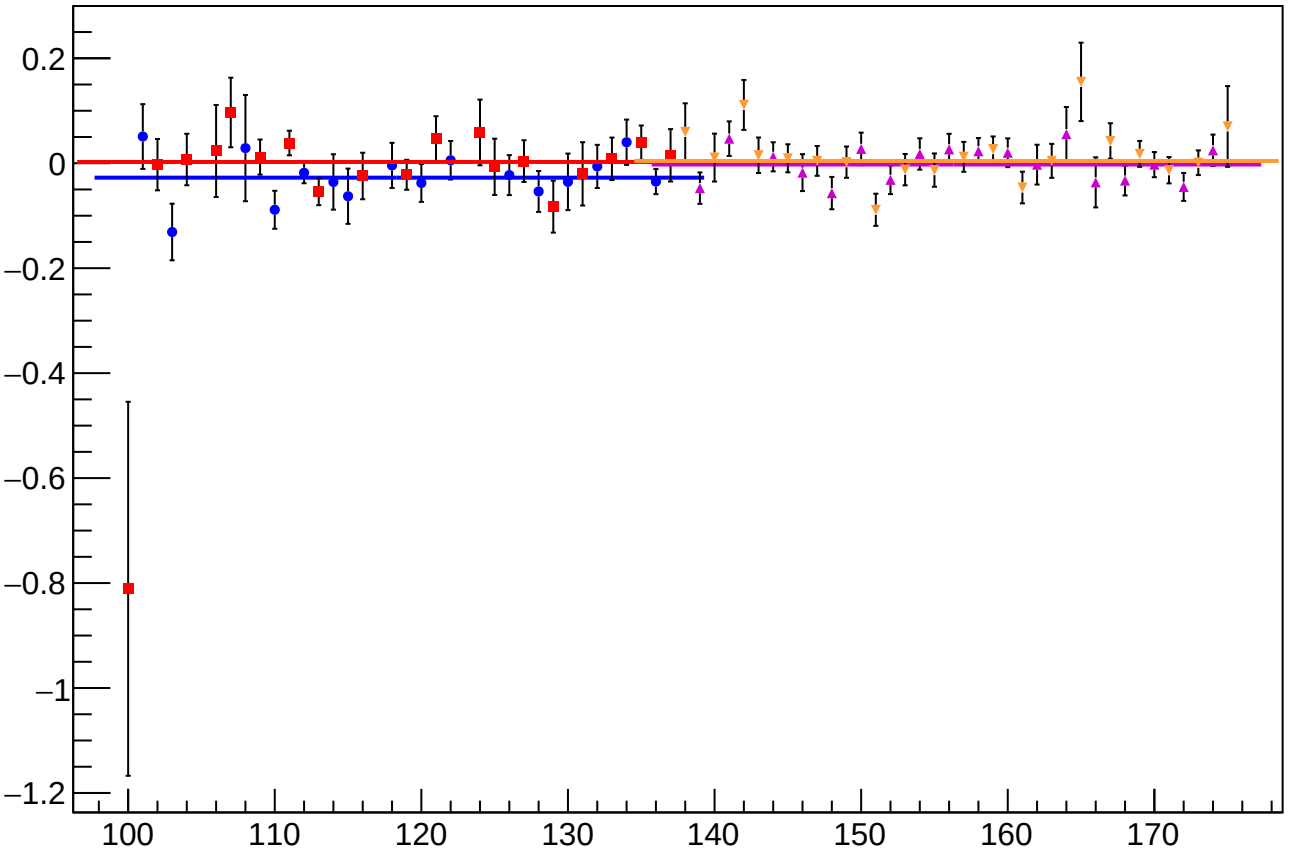
Left: 26.365+/-0.004 χ^2/NDF: 2020715.9/37

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.107+/-0.004 χ^2/NDF:2096883.1/33

Out: 25.454+/-0.004 χ^2/NDF:2836353.9/38

All: 25.283+/-0.003 χ^2/NDF: 4937024.1/72



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

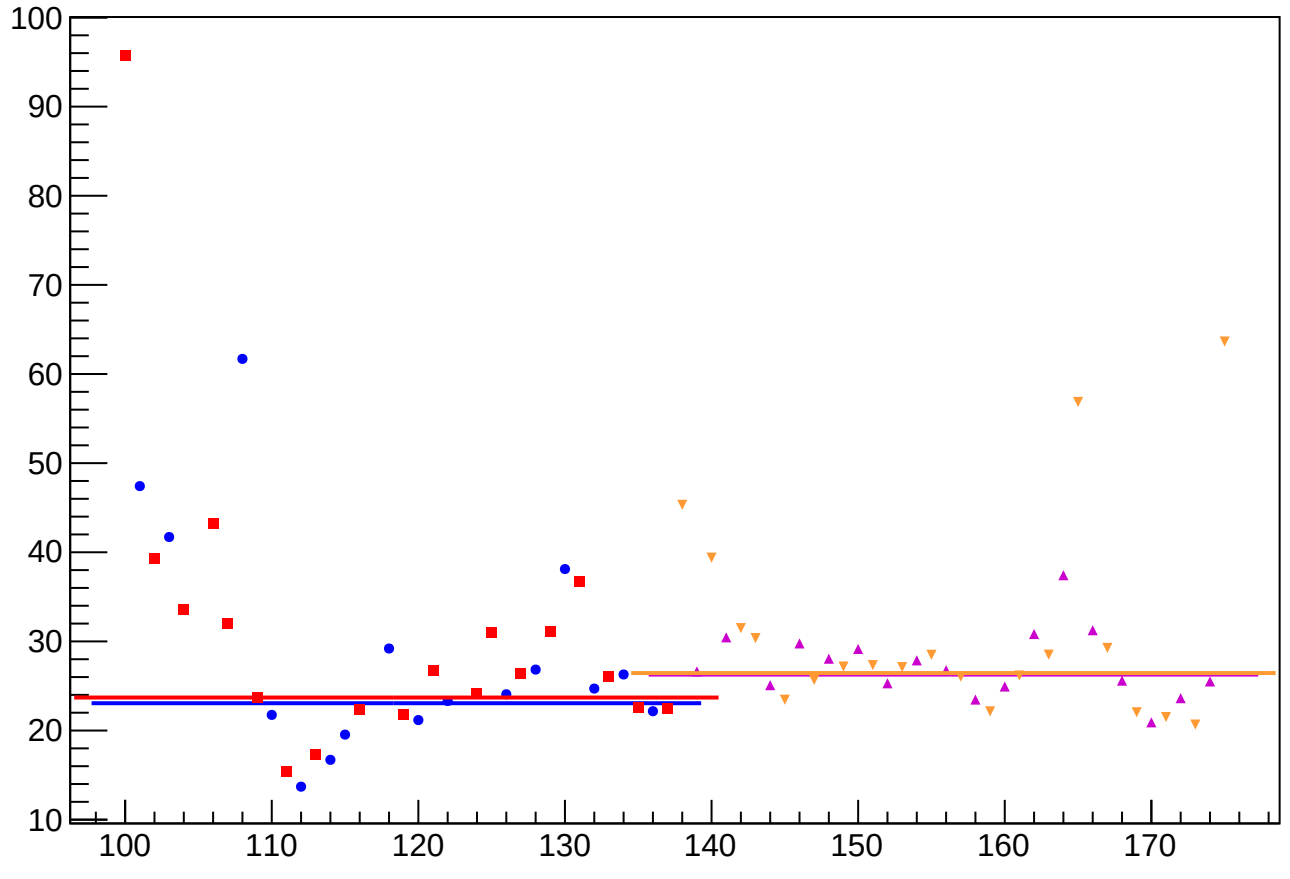
Left: 0.001+/-0.005 χ^2/NDF: 46.7/37

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 90.2/72



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

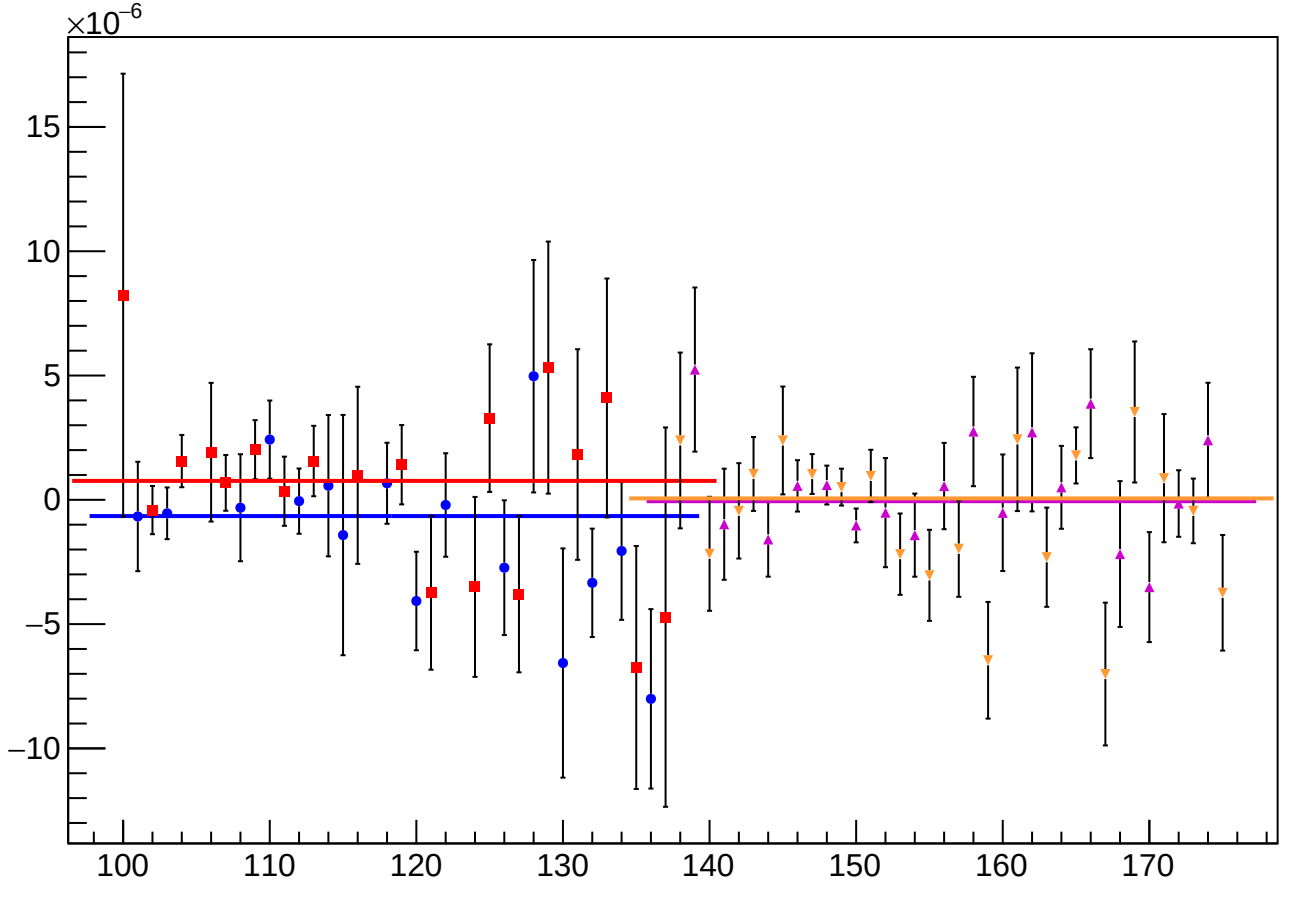
Left: 26.365+/-0.004 χ^2/NDF: 2020715.9/37

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.107+/-0.004 χ^2/NDF:2096883.1/33

Out: 25.454+/-0.004 χ^2/NDF:2836353.9/38

All: 25.283+/-0.003 χ^2/NDF: 4937024.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

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

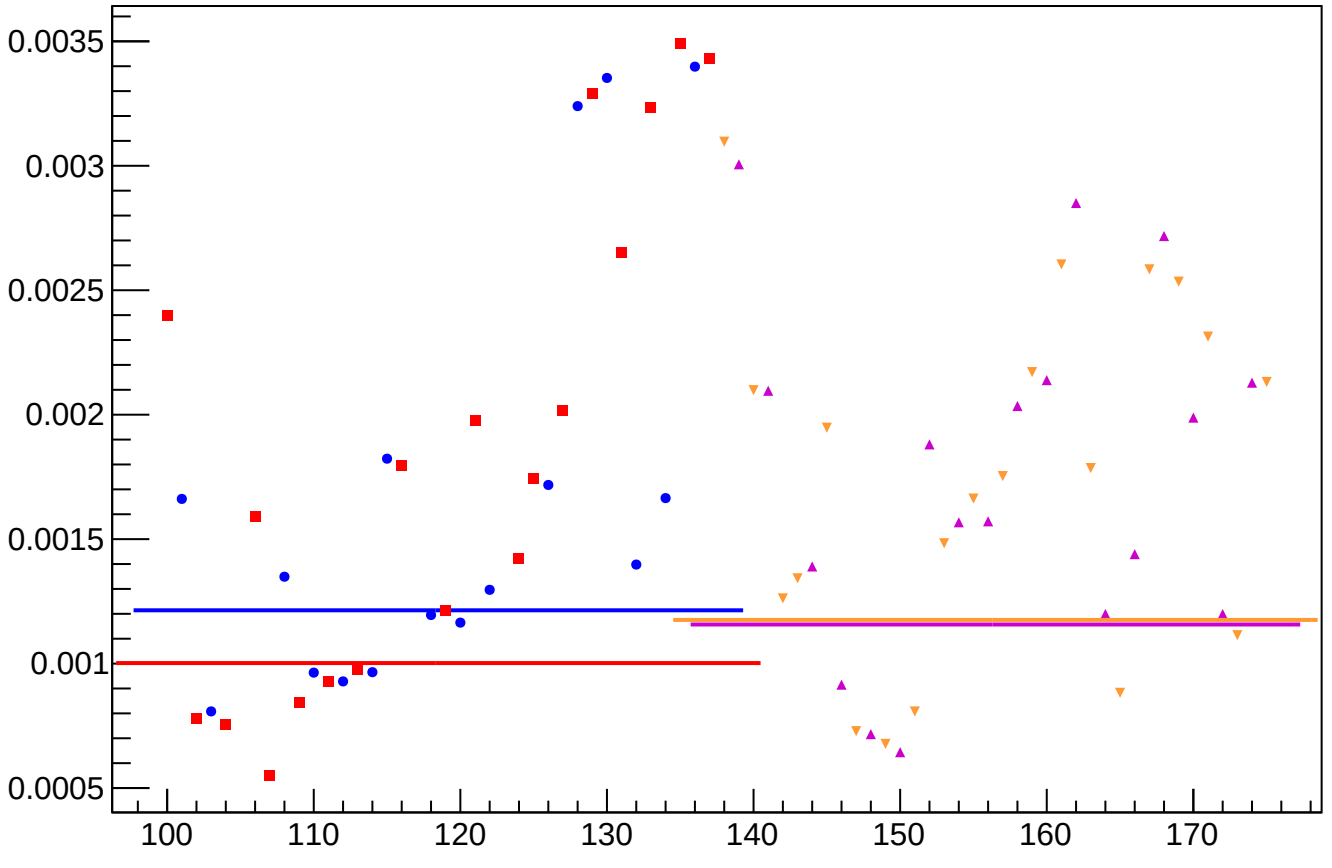
Left: 0.000+/-0.000 χ^2/NDF: 51.7/37

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:36.1/33

Out: 0.000+/-0.000 χ^2/NDF:51.0/38

All: 0.000+/-0.000 χ^2/NDF: 89.3/72



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6200860.5/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5833648.4/17

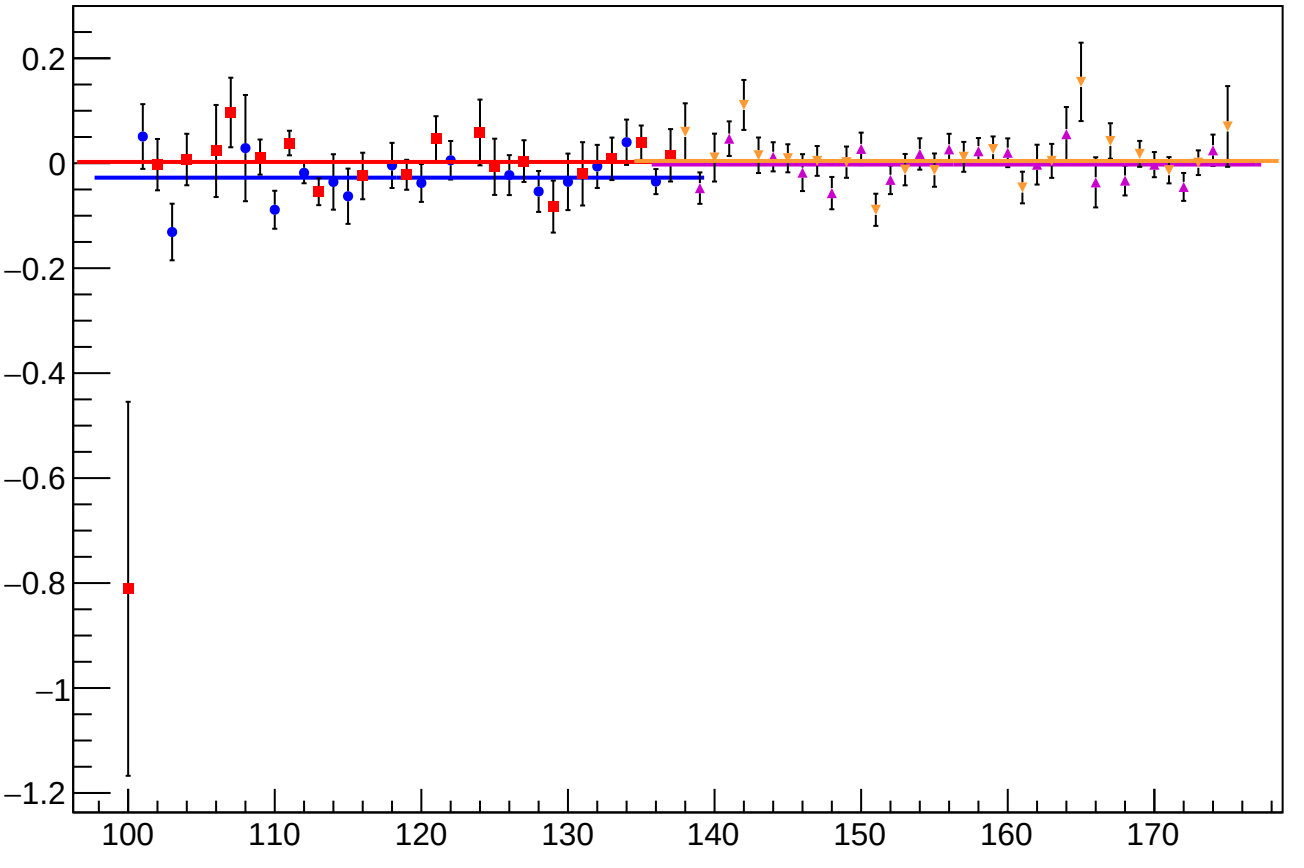
Left: 0.001+/-0.000 χ^2/NDF: 12037453.7/37

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:8118732.7/33

Out: 0.001+/-0.000 χ^2/NDF:9687006.9/38

All: 0.001+/-0.000 χ^2/NDF: 17866837.6/72



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

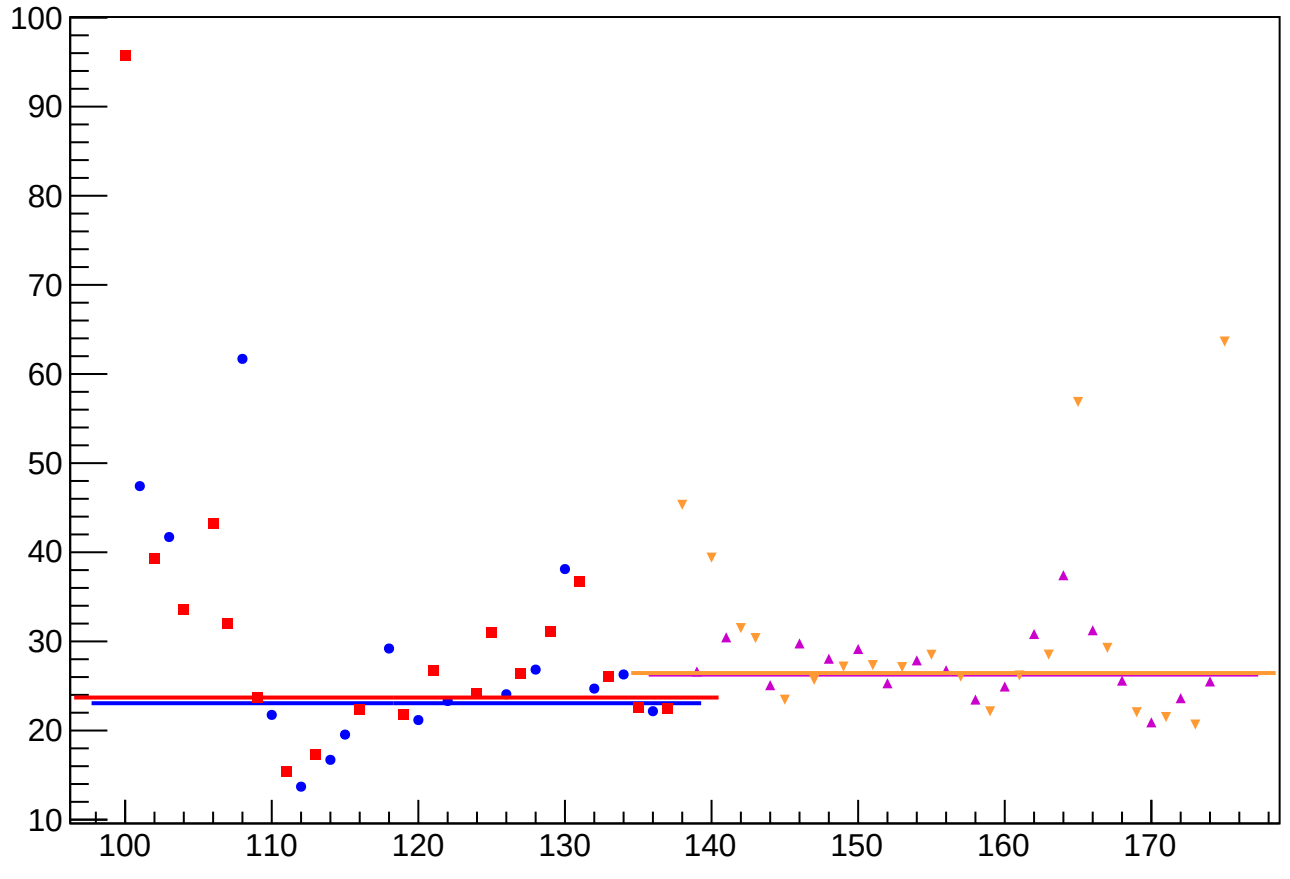
Left: 0.001+/-0.005 χ^2/NDF: 46.7/37

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 90.2/72



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

Left: 26.366+/-0.004 χ^2/NDF: 2020670.5/37

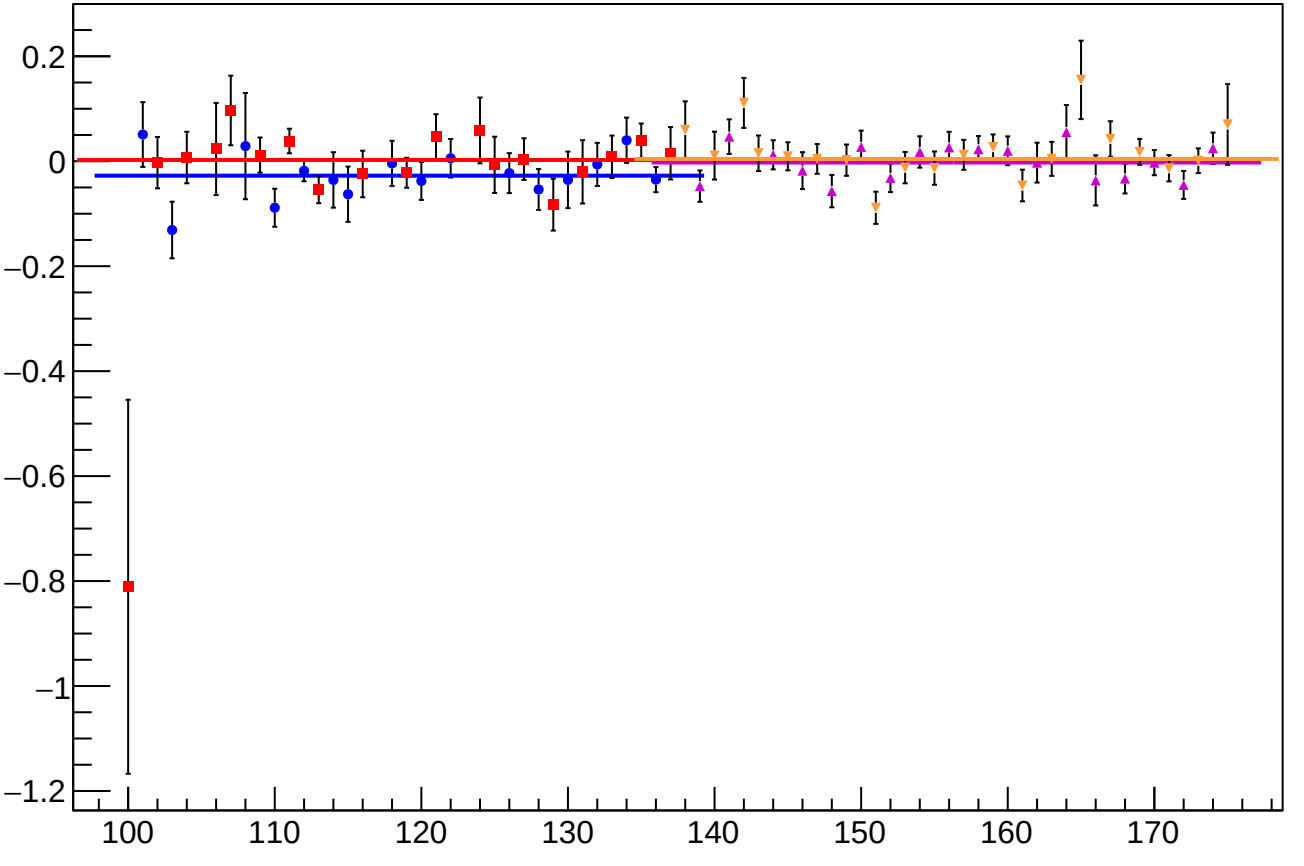
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.107+/-0.004 χ^2/NDF:2096937.6/33

Out: 25.454+/-0.004 χ^2/NDF:2836387.6/38

All: 25.283+/-0.003 χ^2/NDF: 4937114.0/72

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

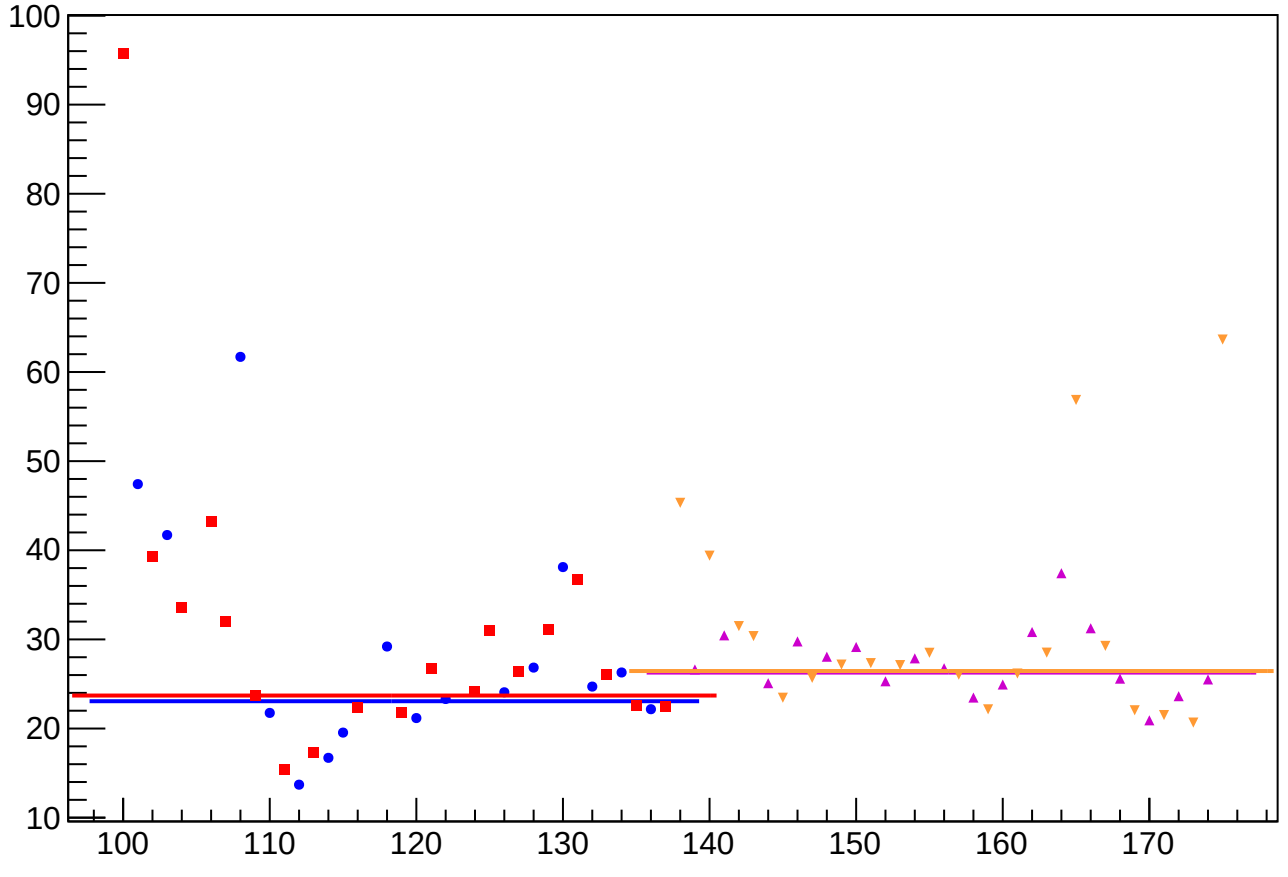
Left: 0.001+/-0.005 χ^2/NDF: 46.7/37

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 90.2/72



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

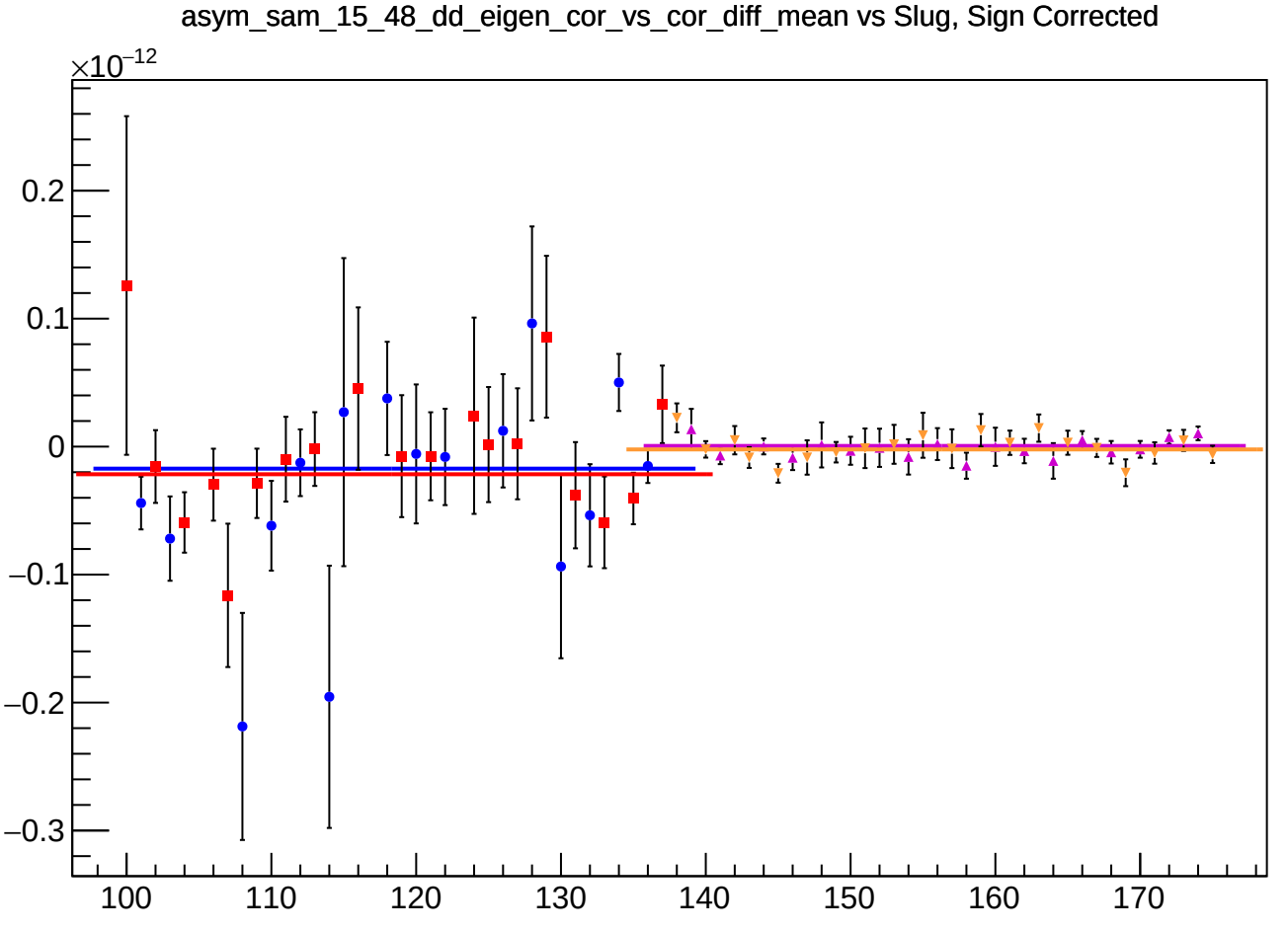
Left: 26.366+/-0.004 χ^2/NDF: 2020670.5/37

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.107+/-0.004 χ^2/NDF:2096937.6/33

Out: 25.454+/-0.004 χ^2/NDF:2836387.6/38

All: 25.283+/-0.003 χ^2/NDF: 4937114.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

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

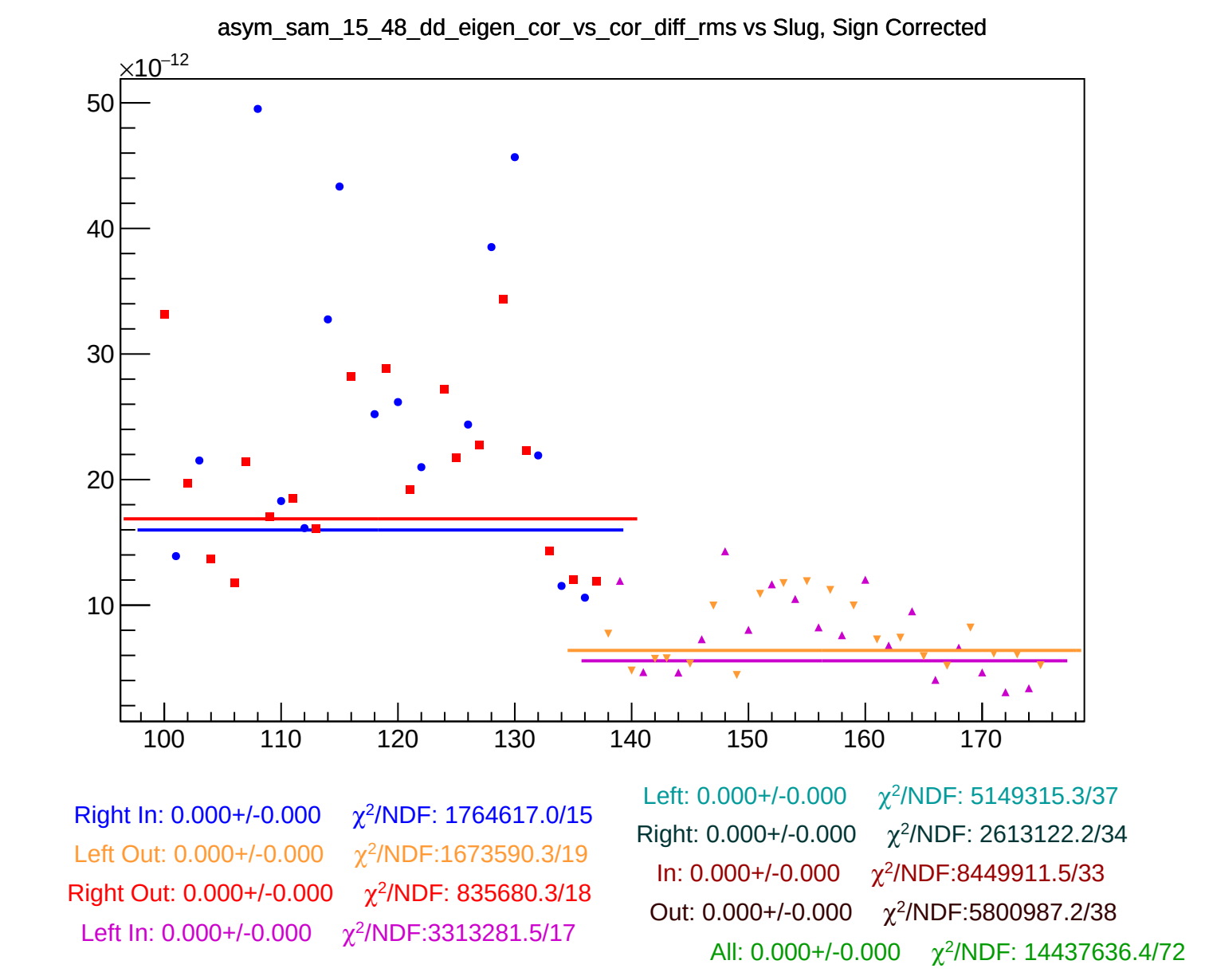
Left: -0.000+/-0.000 χ^2/NDF: 35.0/37

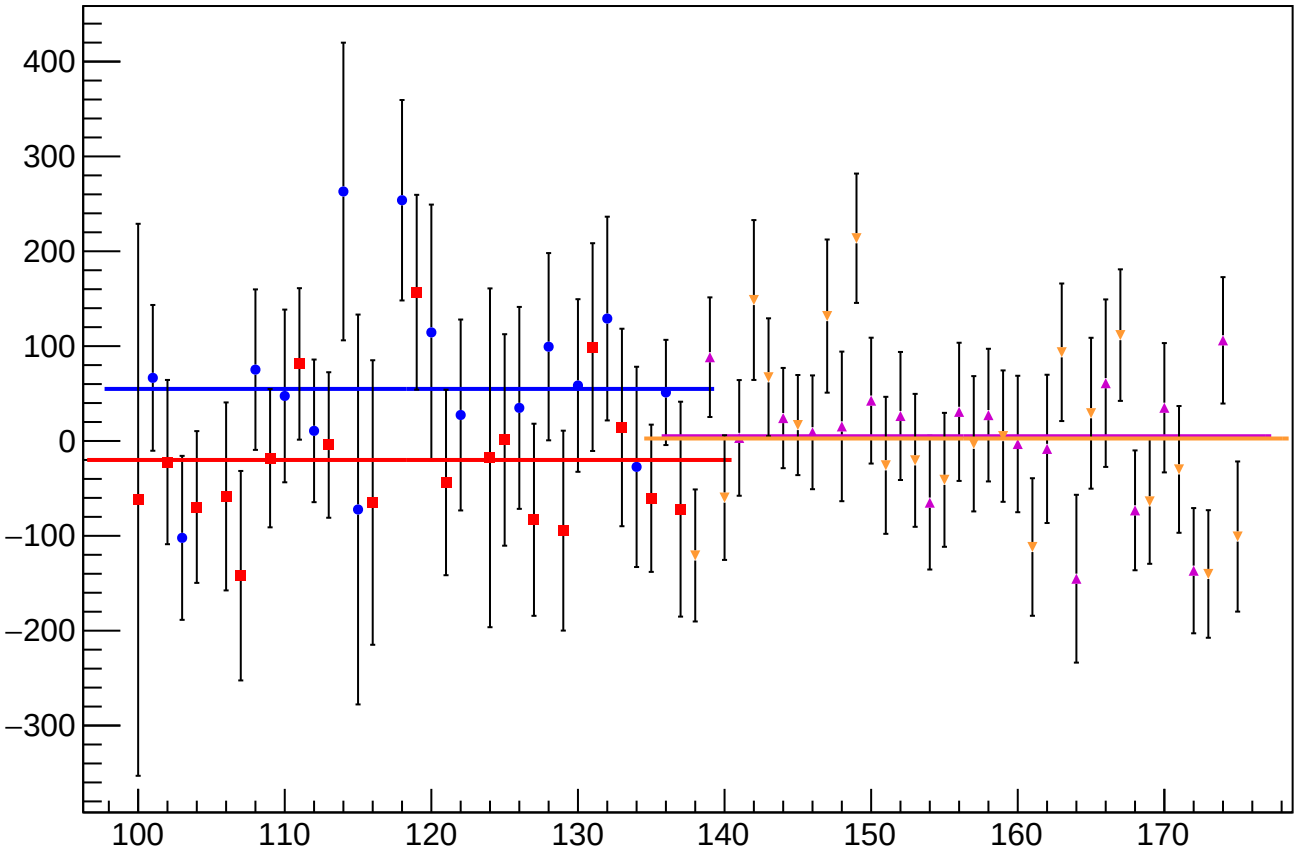
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.2/33

Out: -0.000+/-0.000 χ^2/NDF:45.3/38

All: -0.000+/-0.000 χ^2/NDF: 93.6/72


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1673590.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3313281.5/17
Left: 0.000+/-0.000 χ²/NDF: 5149315.3/37
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8449911.5/33
Out: 0.000+/-0.000 χ²/NDF:5800987.2/38
All: 0.000+/-0.000 χ²/NDF: 14437636.4/72



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.602+/-15.527 χ^2/NDF:35.1/19

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 5.014+/-16.031 χ^2/NDF:15.5/17

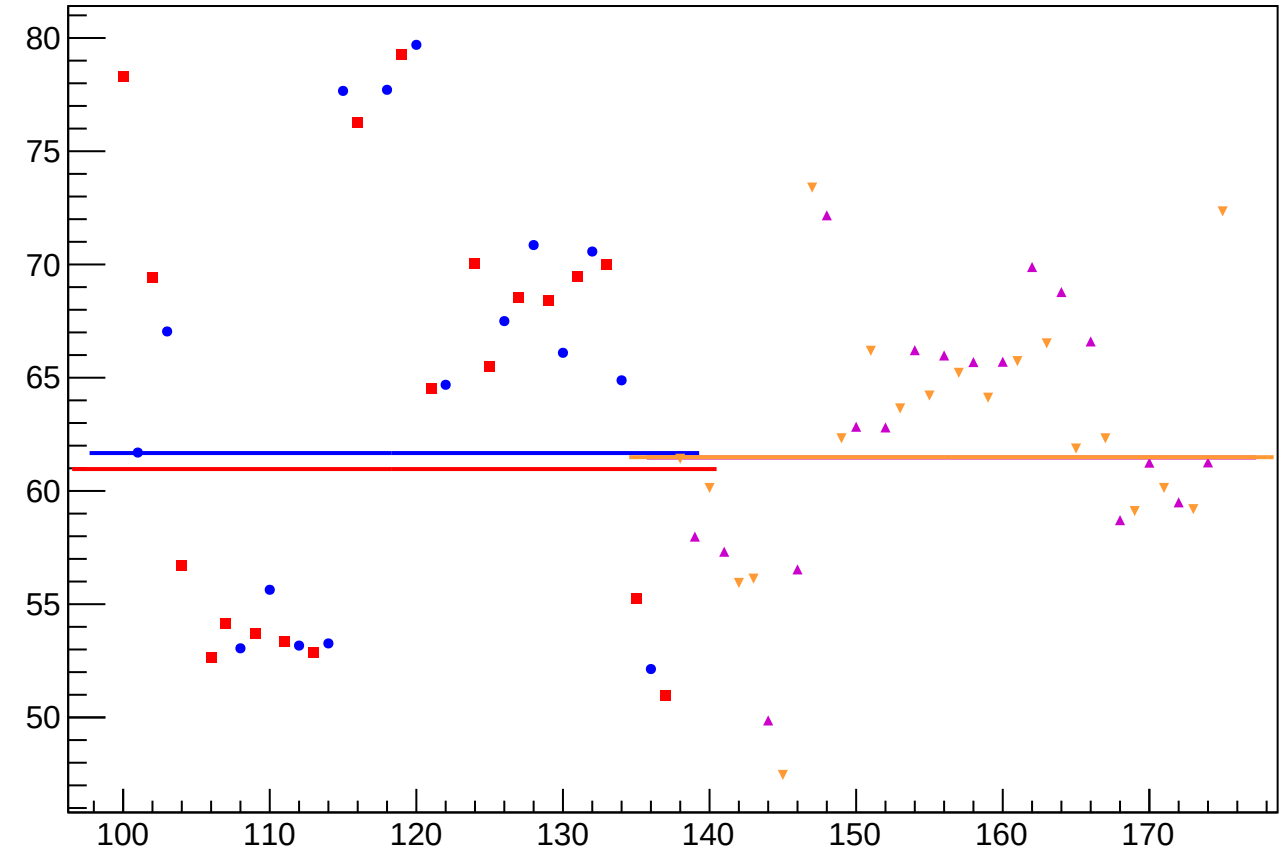
Left: 3.769+/-11.153 χ^2/NDF: 50.6/37

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 21.150+/-13.185 χ^2/NDF:29.6/33

Out: -4.665+/-12.792 χ^2/NDF:45.0/38

All: 7.853+/-9.181 χ^2/NDF: 76.6/72



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

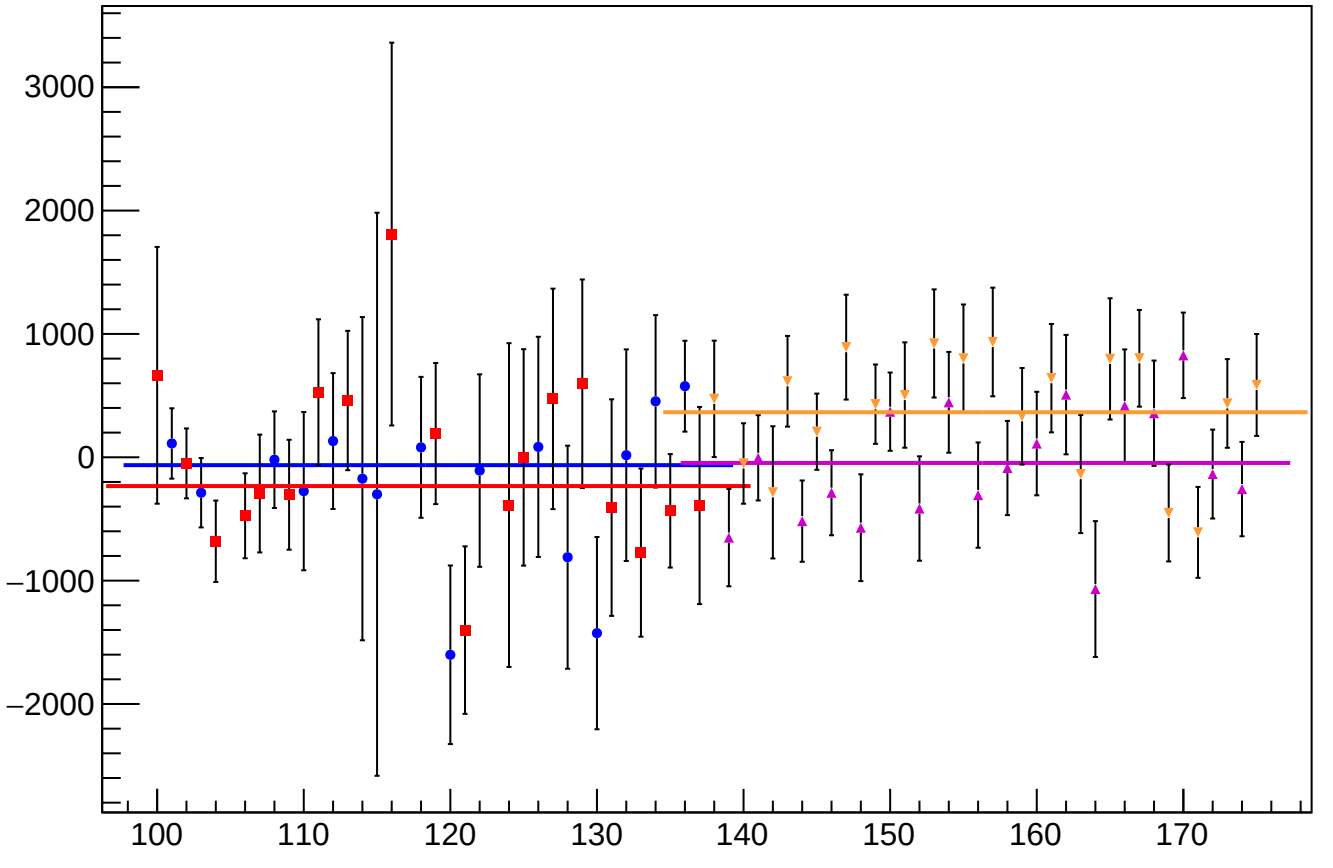
Left: 61.484+/-0.008 χ^2/NDF: 535347.2/37

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.540+/-0.009 χ^2/NDF:511210.4/33

Out: 61.323+/-0.009 χ^2/NDF:576257.6/38

All: 61.428+/-0.006 χ^2/NDF: 1087748.3/72



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -45.904+/-92.079 χ^2/NDF:24.2/17

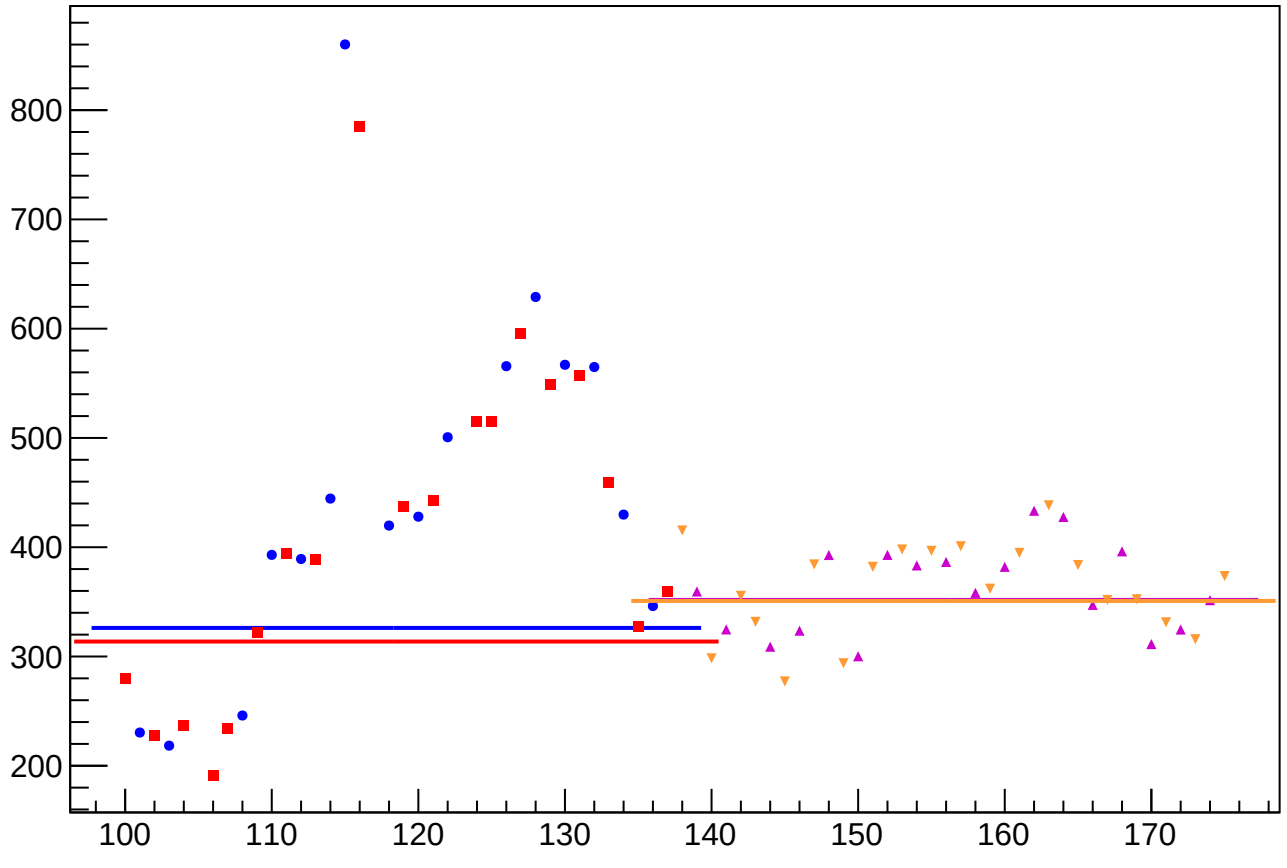
Left: 166.246+/-64.064 χ^2/NDF: 59.5/37

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -51.914+/-75.077 χ^2/NDF:37.4/33

Out: 158.585+/-72.163 χ^2/NDF:55.1/38

All: 57.500+/-52.027 χ^2/NDF: 96.6/72



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 350.843+/-0.063 χ^2/NDF:493656.8/19

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.782+/-0.065 χ^2/NDF:341242.4/17

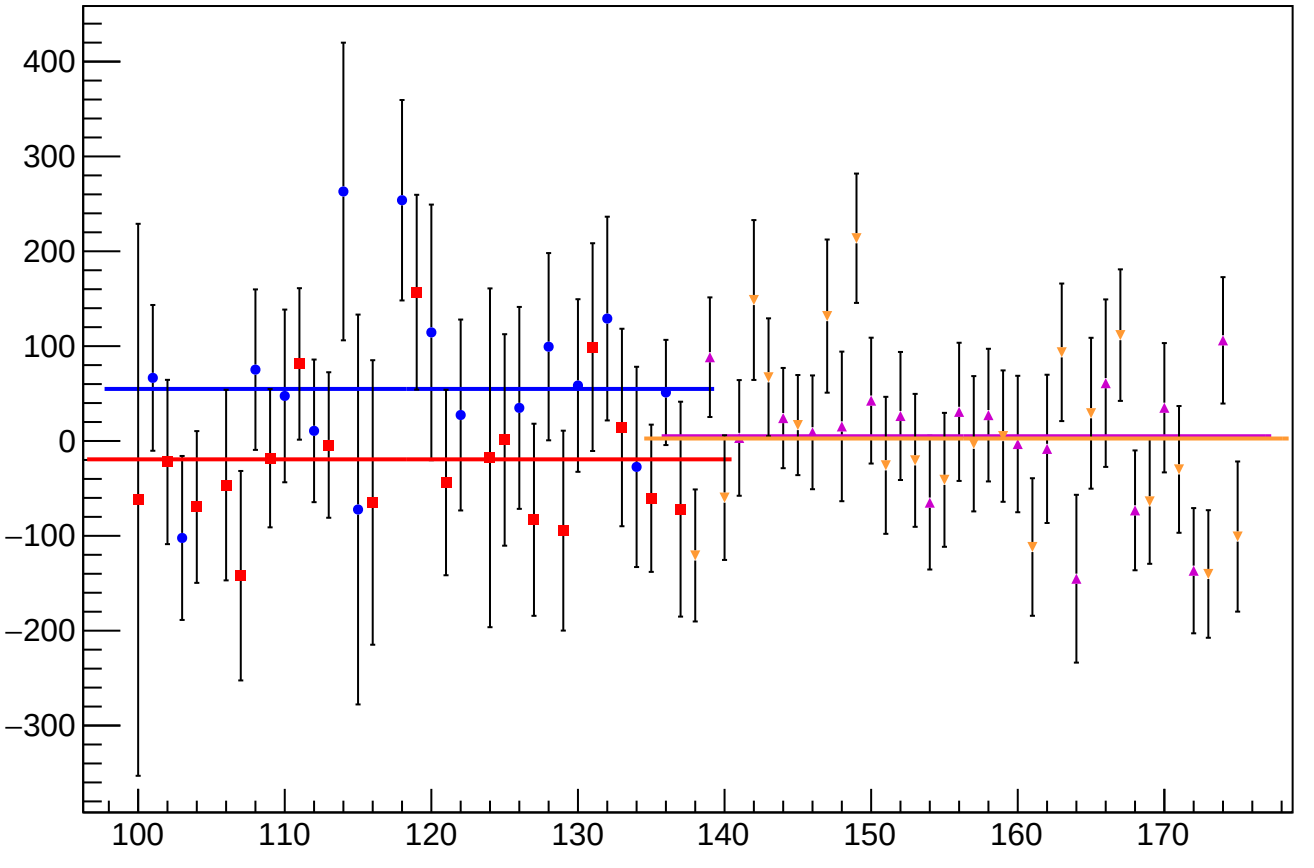
Left: 351.297+/-0.045 χ^2/NDF: 835006.5/37

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.189+/-0.053 χ^2/NDF:2127195.6/33

Out: 338.005+/-0.051 χ^2/NDF:2400977.8/38

All: 340.494+/-0.037 χ^2/NDF: 4533130.2/72



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.014+/-16.031 χ^2/NDF:15.5/17

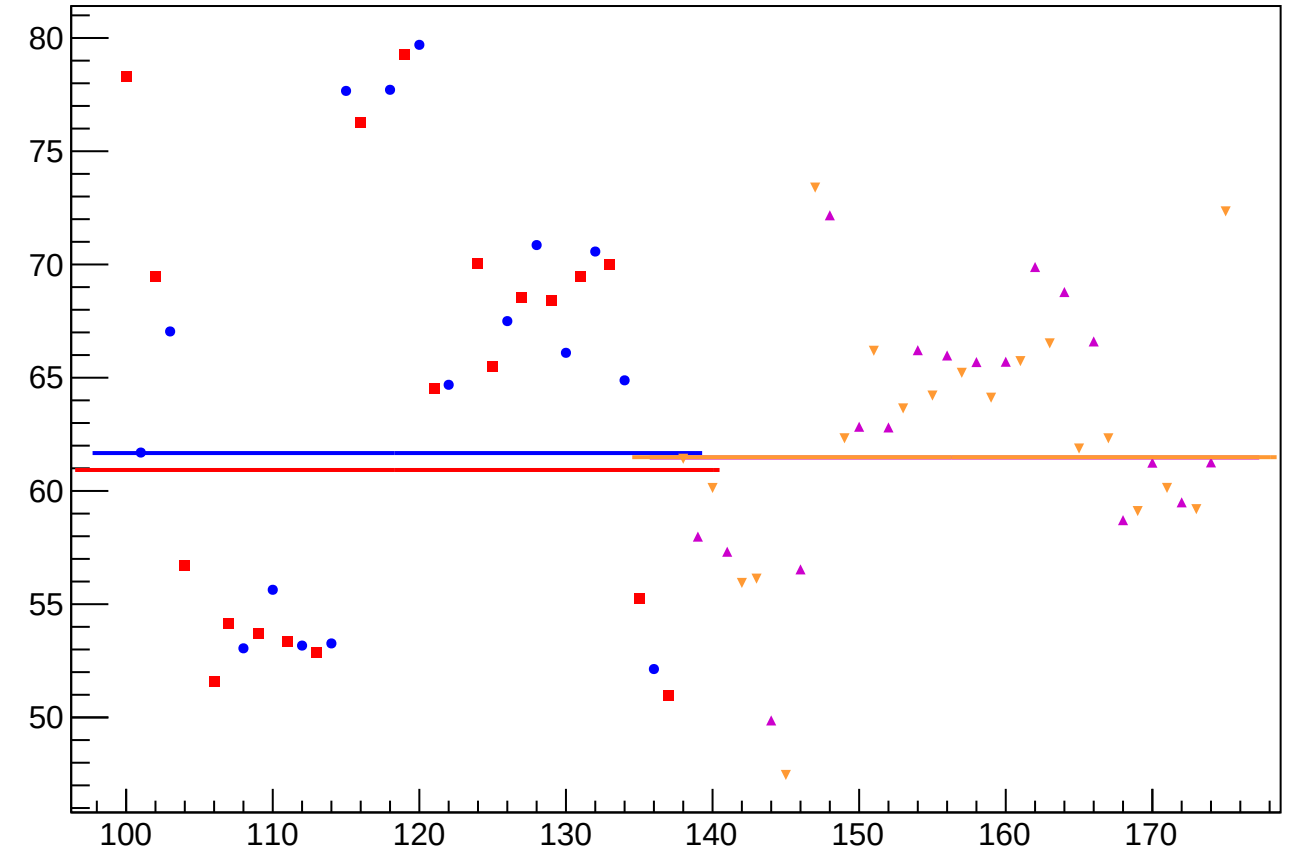
Left: 3.768+/-11.153 χ^2/NDF: 50.6/37

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 21.148+/-13.185 χ^2/NDF:29.6/33

Out: -4.444+/-12.795 χ^2/NDF:44.9/38

All: 7.968+/-9.182 χ^2/NDF: 76.5/72



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

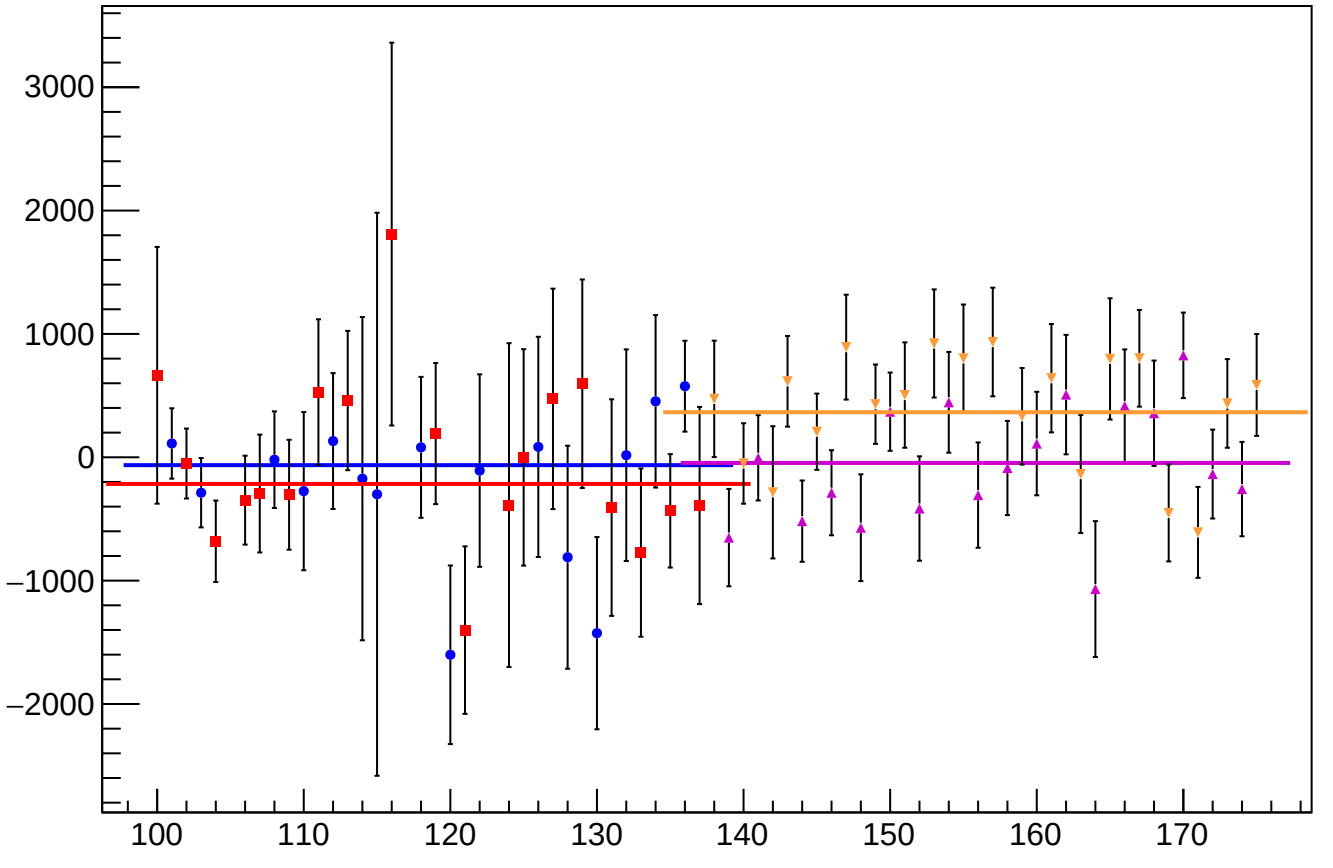
Left: 61.484+/-0.008 χ^2/NDF: 535347.2/37

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.540+/-0.009 χ^2/NDF:511210.6/33

Out: 61.310+/-0.009 χ^2/NDF:579771.5/38

All: 61.421+/-0.006 χ^2/NDF: 1091296.7/72



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -45.903+/-92.079 χ^2/NDF:24.2/17

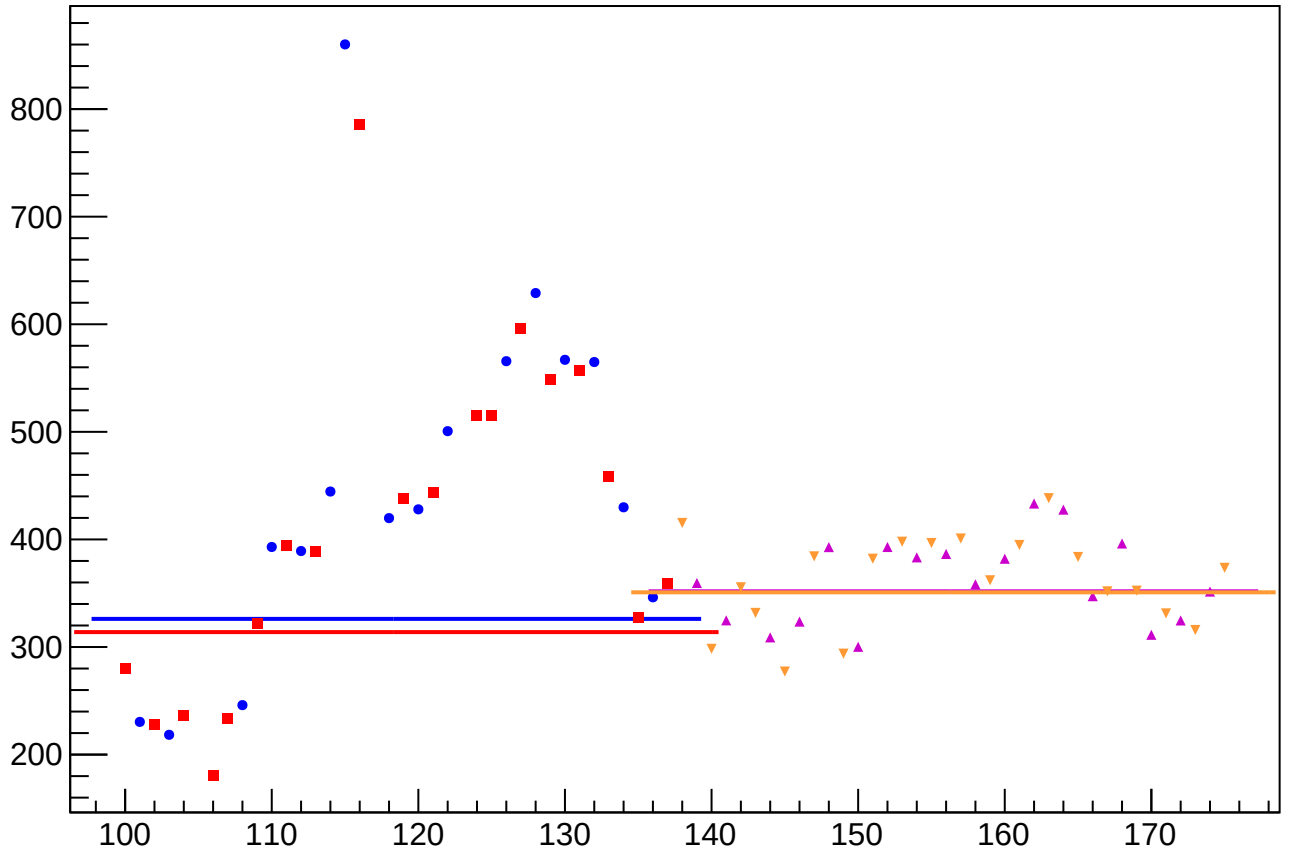
Left: 166.246+/-64.064 χ^2/NDF: 59.5/37

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -51.909+/-75.077 χ^2/NDF:37.4/33

Out: 166.049+/-72.304 χ^2/NDF:53.7/38

All: 61.170+/-52.079 χ^2/NDF: 95.4/72



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

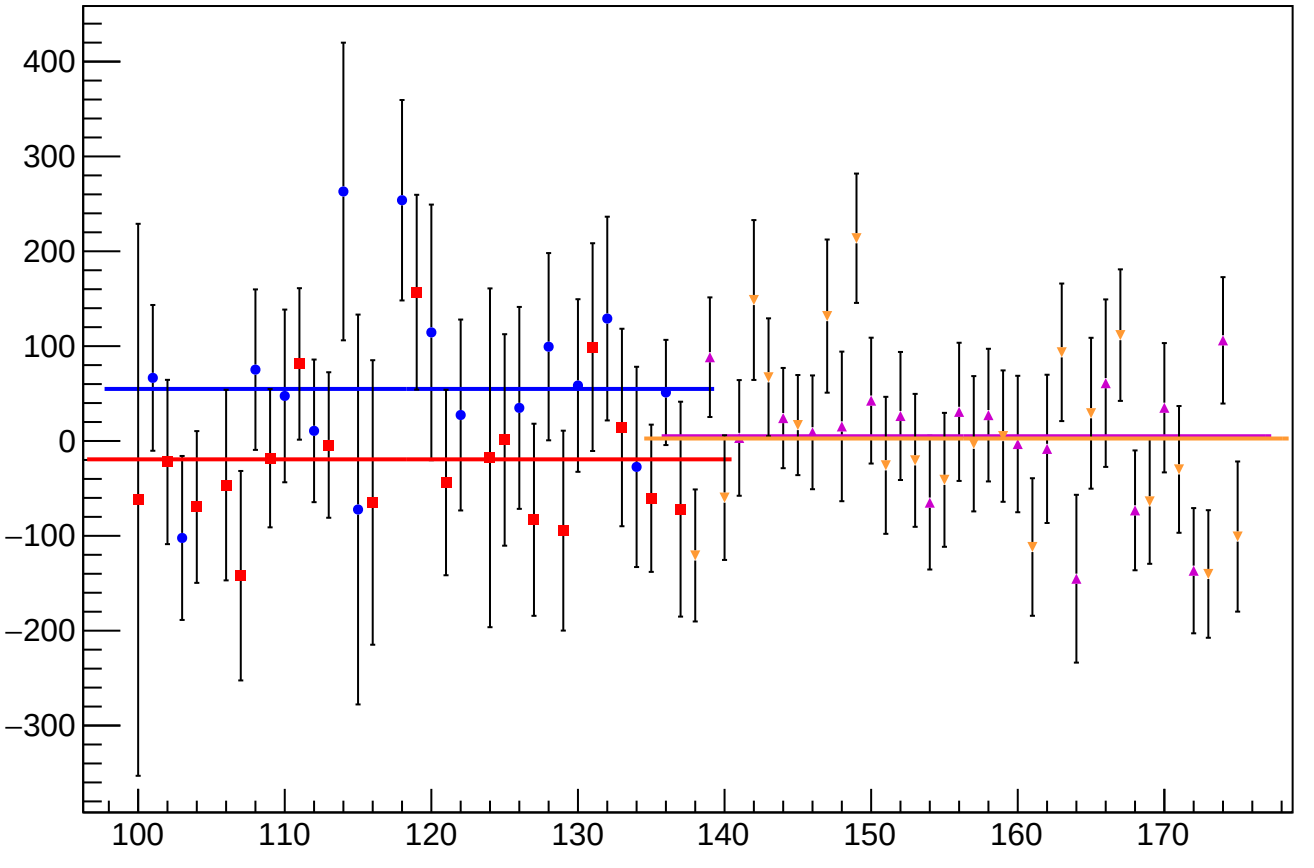
Left: 351.297+/-0.045 χ^2/NDF: 835005.7/37

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.190+/-0.053 χ^2/NDF:2127124.2/33

Out: 338.165+/-0.051 χ^2/NDF:2417310.3/38

All: 340.583+/-0.037 χ^2/NDF: 4549082.8/72



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.014+/-16.031 χ^2/NDF:15.5/17

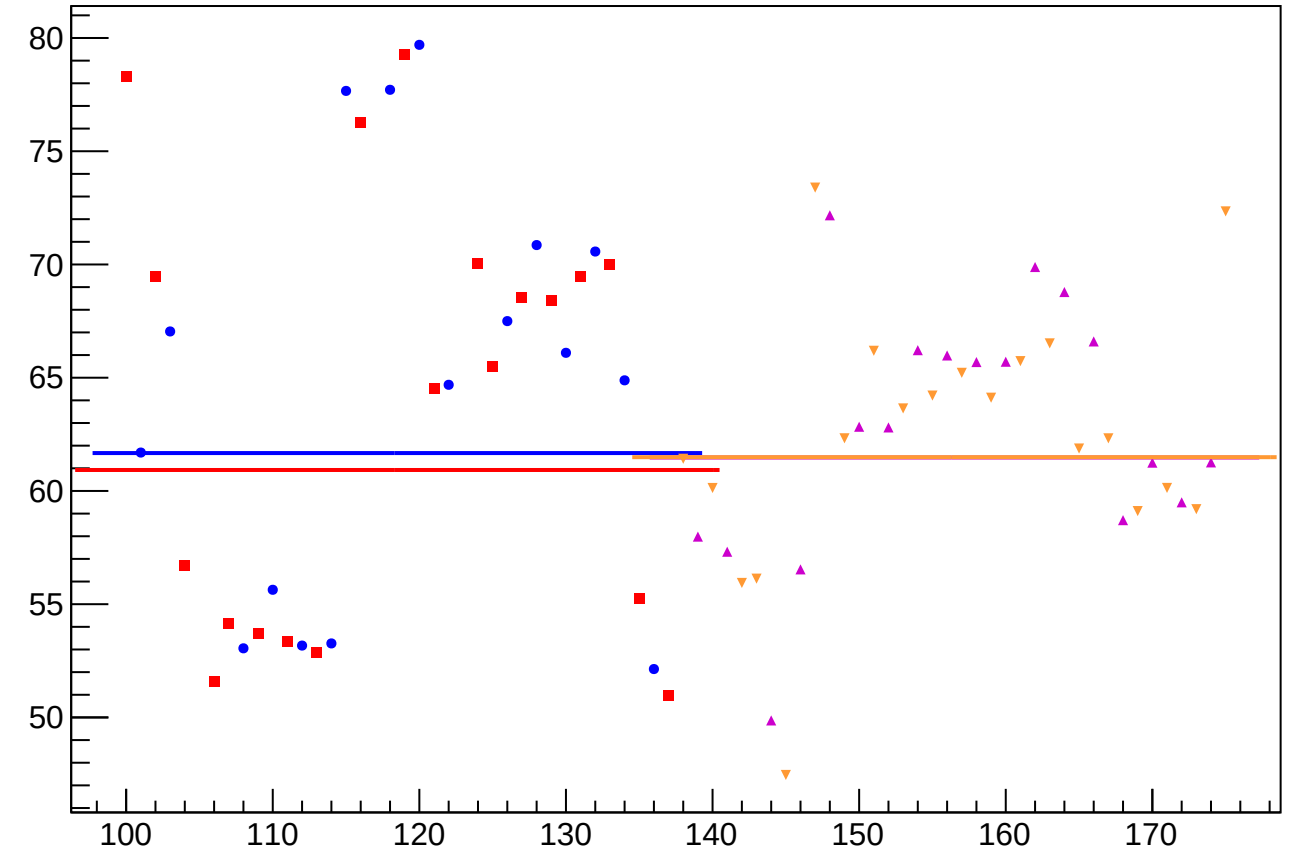
Left: 3.768+/-11.153 χ^2/NDF: 50.6/37

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 21.148+/-13.185 χ^2/NDF:29.6/33

Out: -4.444+/-12.795 χ^2/NDF:44.9/38

All: 7.968+/-9.182 χ^2/NDF: 76.5/72



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

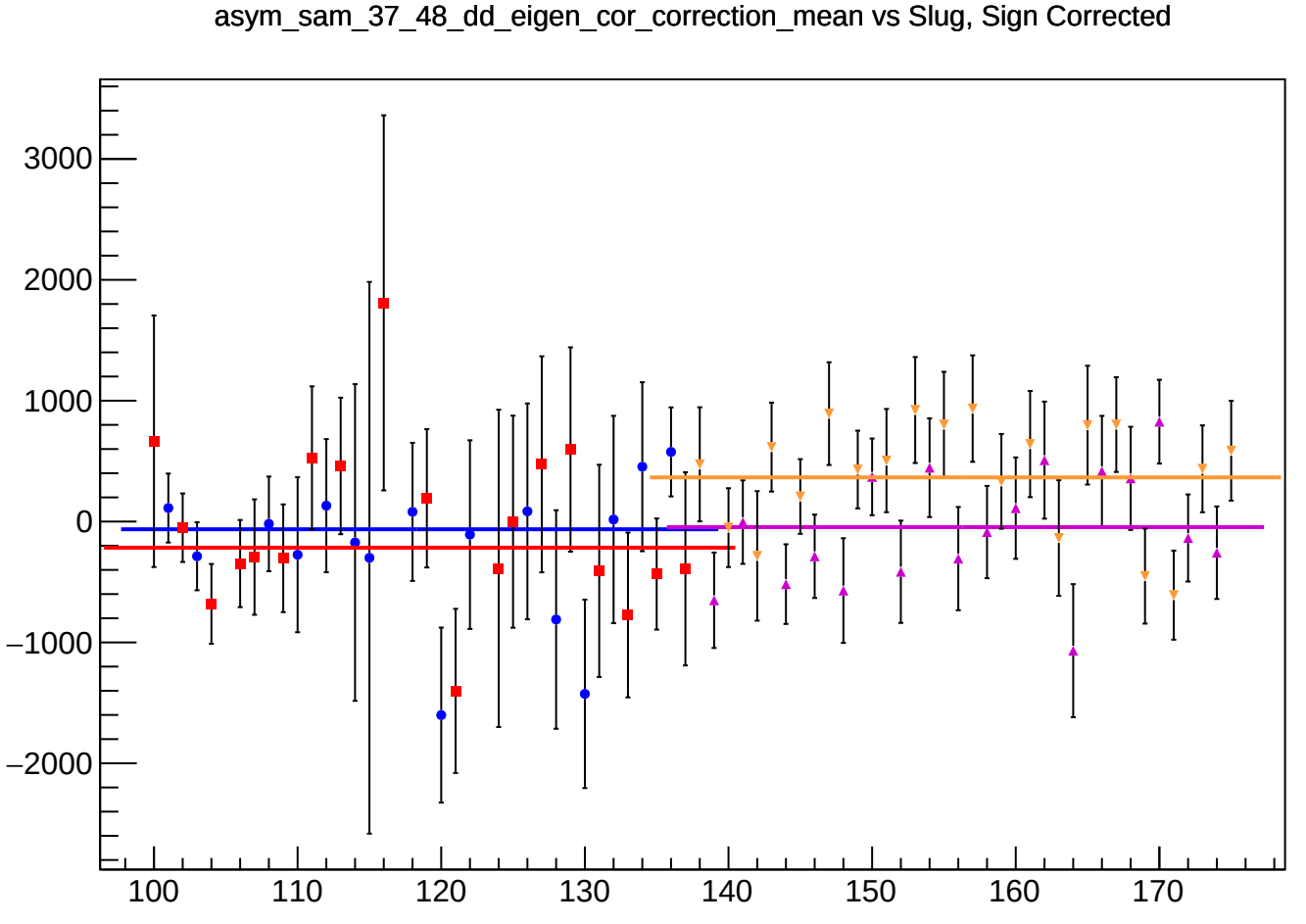
Left: 61.484+/-0.008 χ^2/NDF: 535347.2/37

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

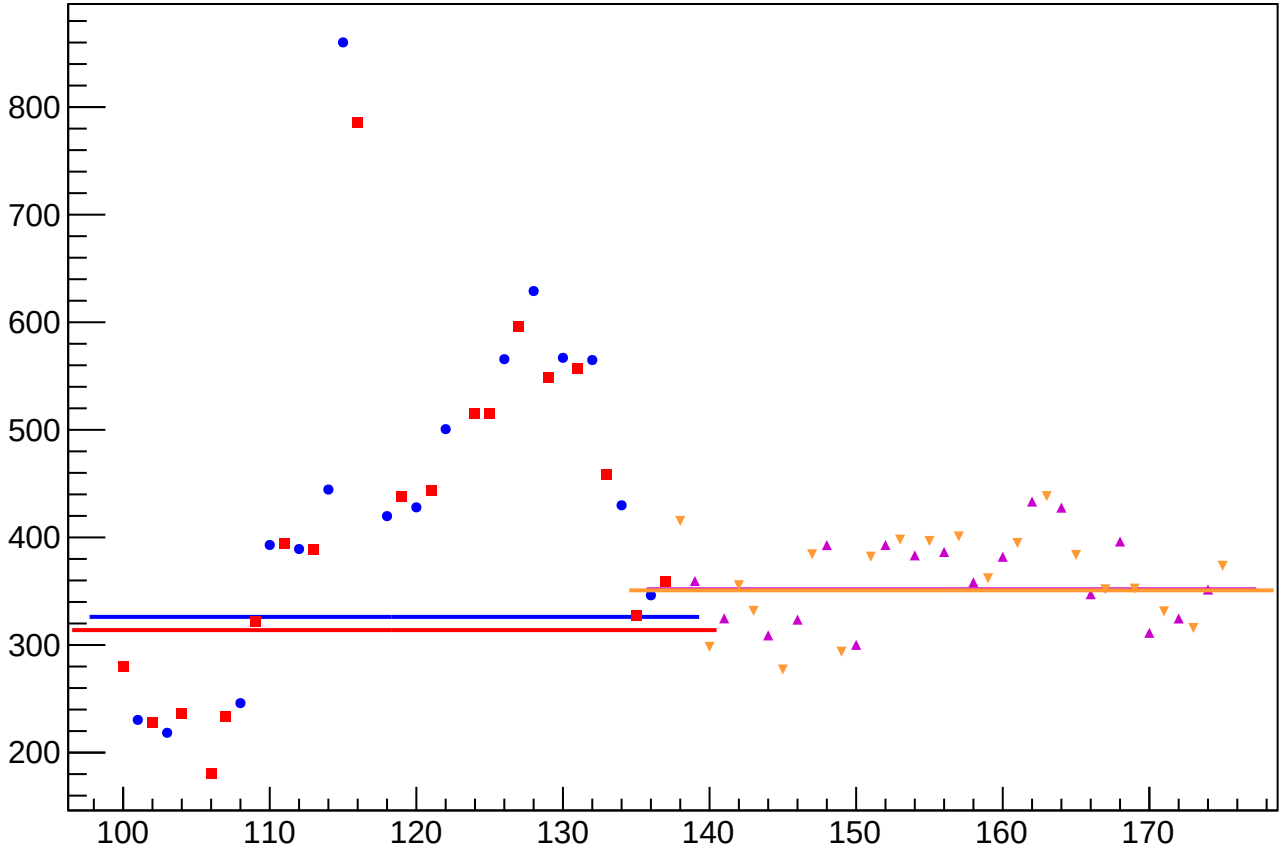
In: 61.540+/-0.009 χ^2/NDF:511210.6/33

Out: 61.310+/-0.009 χ^2/NDF:579771.5/38

All: 61.421+/-0.006 χ^2/NDF: 1091296.7/72


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 365.291+/-89.190 χ²/NDF:25.0/19
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -45.903+/-92.079 χ²/NDF:24.2/17
Left: 166.246+/-64.064 χ²/NDF: 59.5/37
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -51.909+/-75.077 χ²/NDF:37.4/33
Out: 166.049+/-72.304 χ²/NDF:53.7/38
All: 61.170+/-52.079 χ²/NDF: 95.4/72

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

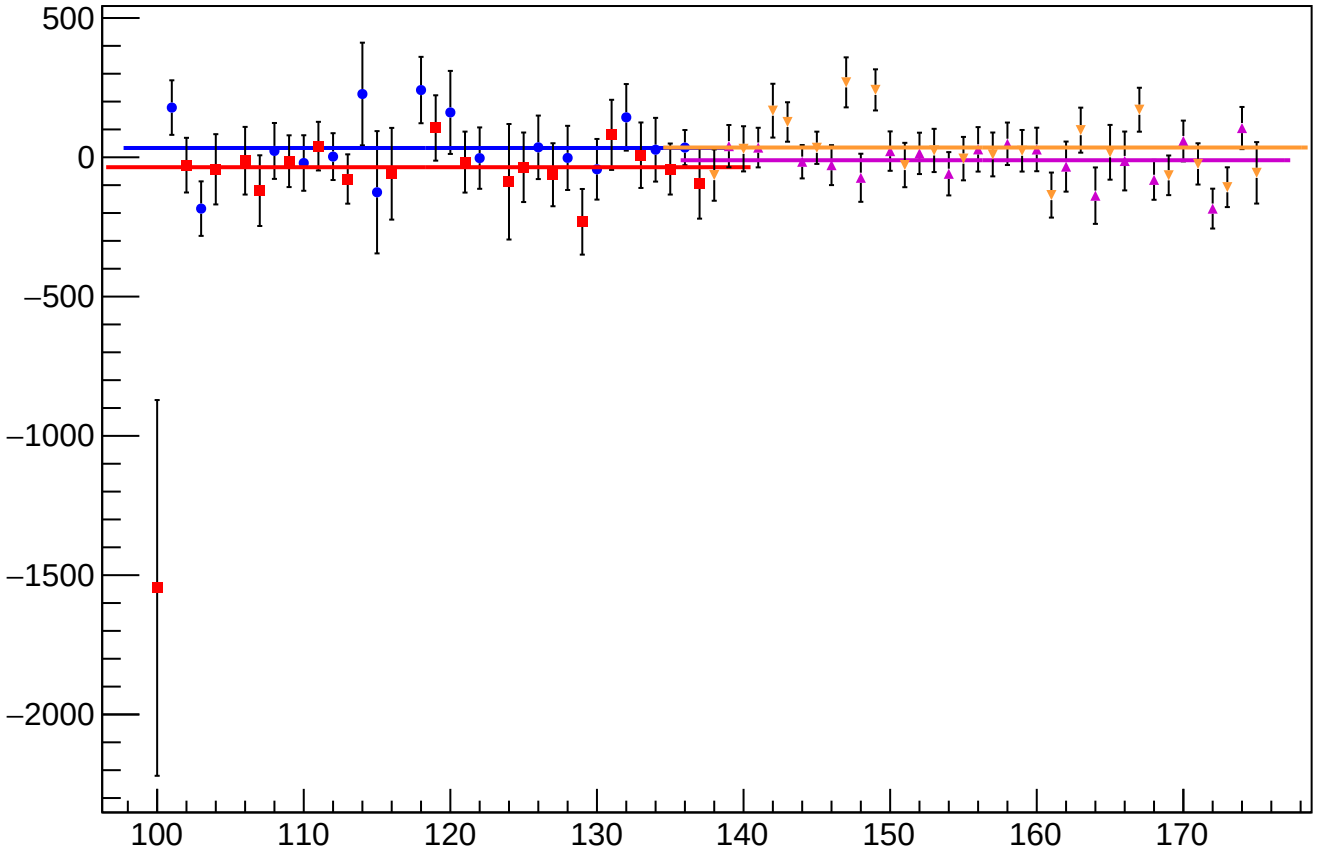
Left: 351.297+/-0.045 χ^2/NDF: 835005.7/37

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.190+/-0.053 χ^2/NDF:2127124.2/33

Out: 338.165+/-0.051 χ^2/NDF:2417310.3/38

All: 340.583+/-0.037 χ^2/NDF: 4549082.8/72



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.129+/-17.569 χ^2/NDF:35.7/19

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.546+/-18.014 χ^2/NDF:15.0/17

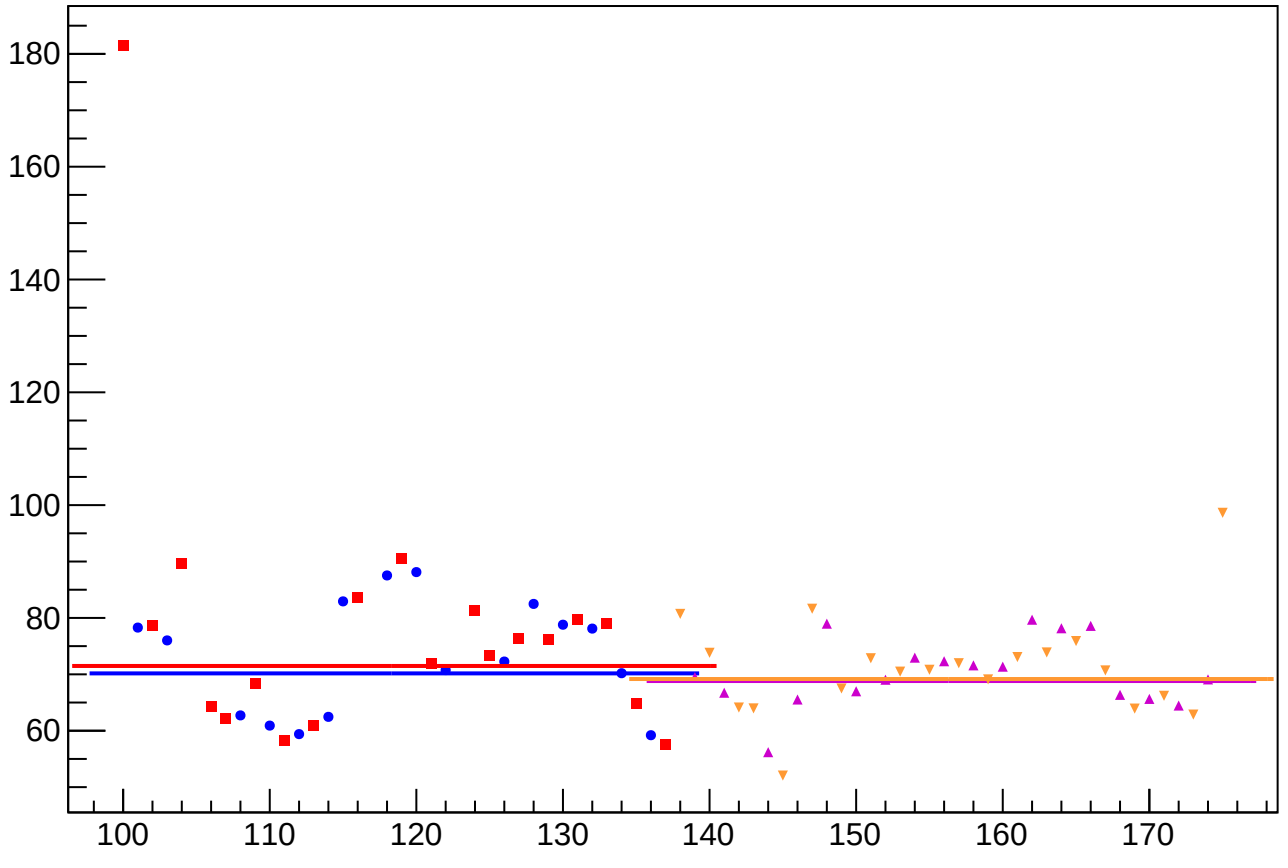
Left: 12.862+/-12.578 χ^2/NDF: 53.9/37

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.404+/-14.883 χ^2/NDF:31.4/33

Out: 13.580+/-14.649 χ^2/NDF:52.7/38

All: 8.572+/-10.440 χ^2/NDF: 84.3/72



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.169+/-0.012 χ^2/NDF:470776.2/19

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.813+/-0.013 χ^2/NDF:215200.1/17

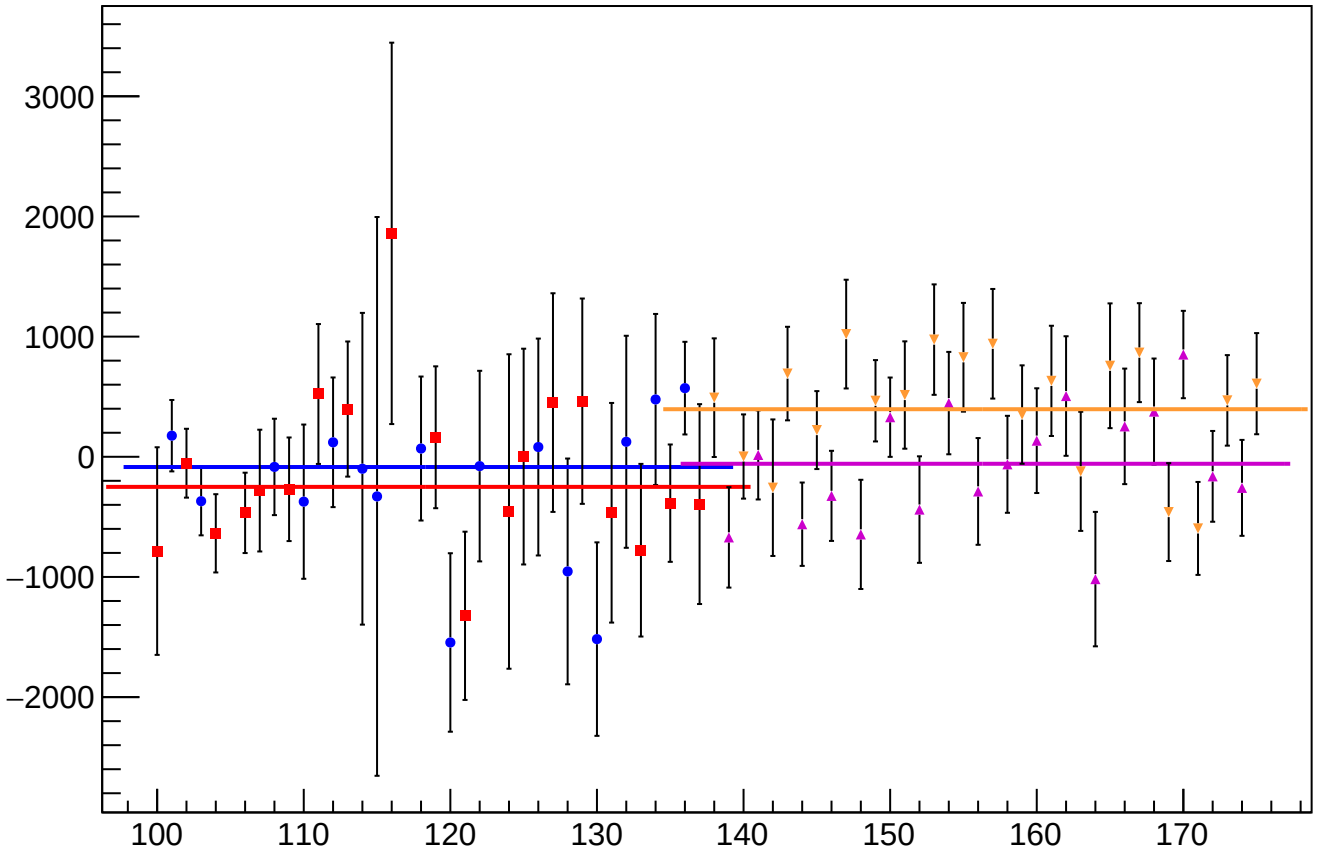
Left: 68.995+/-0.009 χ^2/NDF: 686376.4/37

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.243+/-0.011 χ^2/NDF:488038.2/33

Out: 69.874+/-0.010 χ^2/NDF:807065.4/38

All: 69.564+/-0.007 χ^2/NDF: 1296931.3/72



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.868+/-93.537 χ^2/NDF:23.9/19

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -58.197+/-96.638 χ^2/NDF:22.7/17

Left: 176.236+/-67.210 χ^2/NDF: 57.9/37

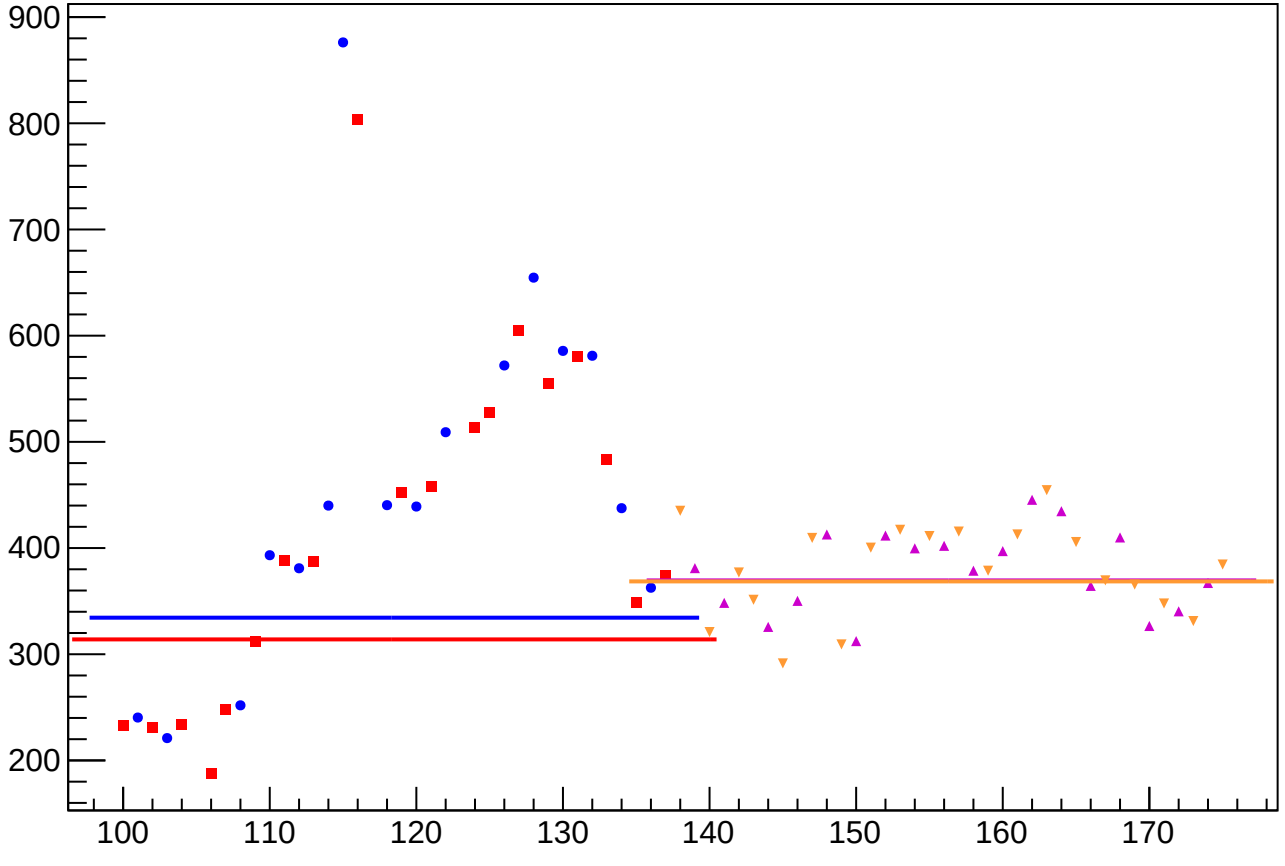
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -67.533+/-78.155 χ^2/NDF:36.4/33

Out: 159.788+/-74.521 χ^2/NDF:53.8/38

All: 51.534+/-53.933 χ^2/NDF: 94.6/72

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 368.595+/-0.066 χ^2/NDF:458939.8/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 369.542+/-0.068 χ^2/NDF:301902.1/17

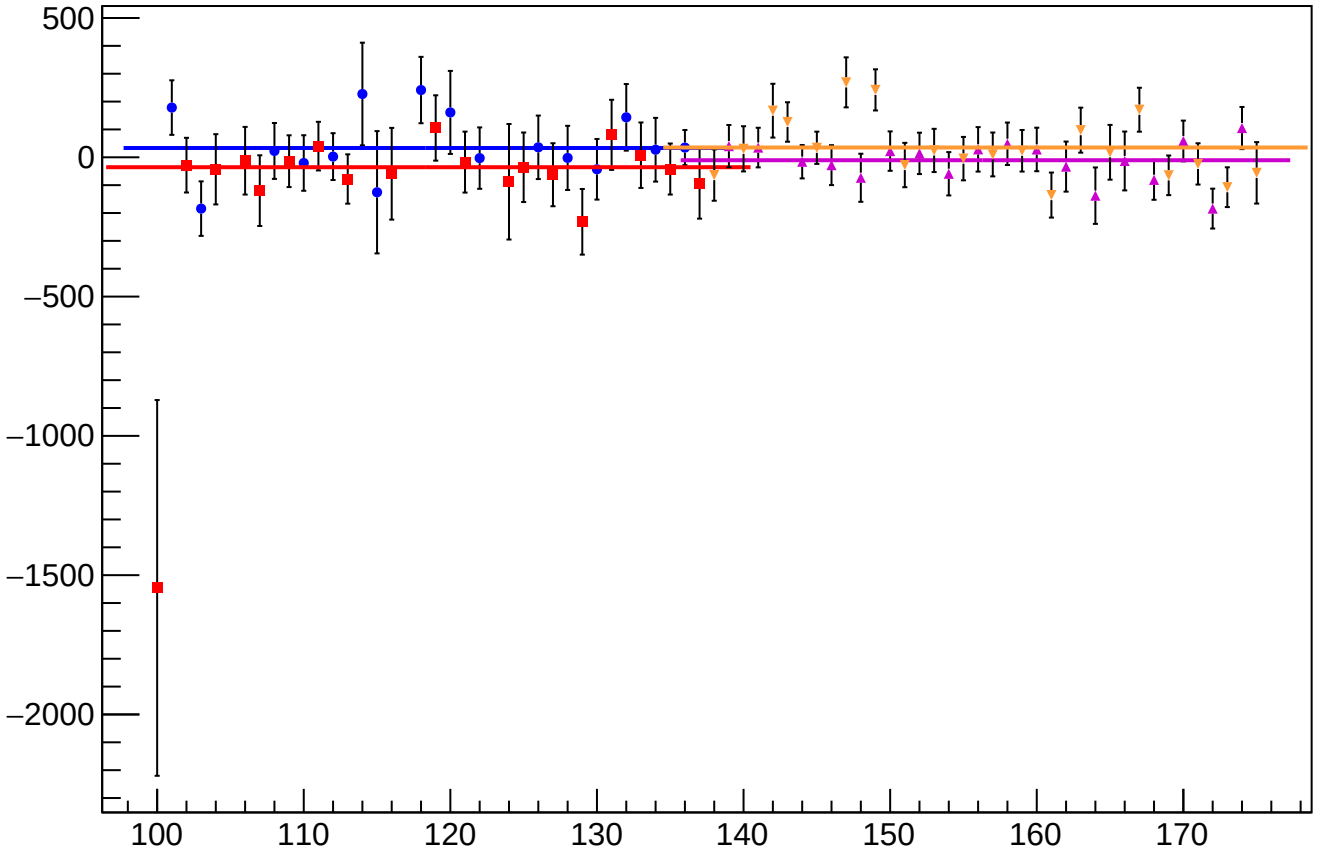
Left: 369.053+/-0.048 χ^2/NDF: 760941.2/37

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.396+/-0.055 χ^2/NDF:2123848.4/33

Out: 348.642+/-0.053 χ^2/NDF:2612682.2/38

All: 352.811+/-0.038 χ^2/NDF: 4749672.2/72



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.128+/-17.569 χ^2/NDF:35.7/19

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.546+/-18.014 χ^2/NDF:15.0/17

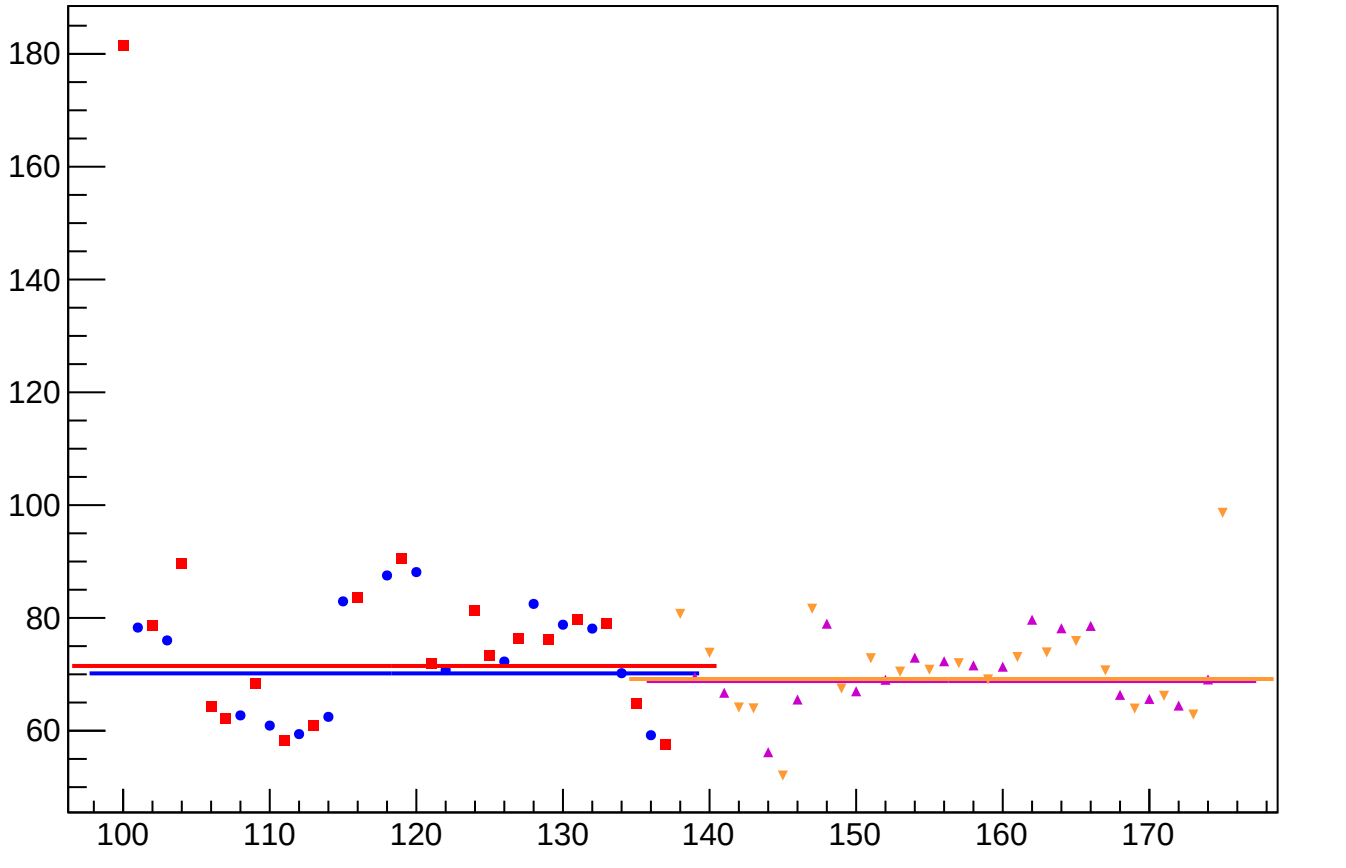
Left: 12.862+/-12.578 χ^2/NDF: 53.9/37

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.404+/-14.883 χ^2/NDF:31.4/33

Out: 13.579+/-14.649 χ^2/NDF:52.7/38

All: 8.572+/-10.440 χ^2/NDF: 84.3/72



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.169+/-0.012 χ^2/NDF:470782.5/19

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.813+/-0.013 χ^2/NDF:215202.3/17

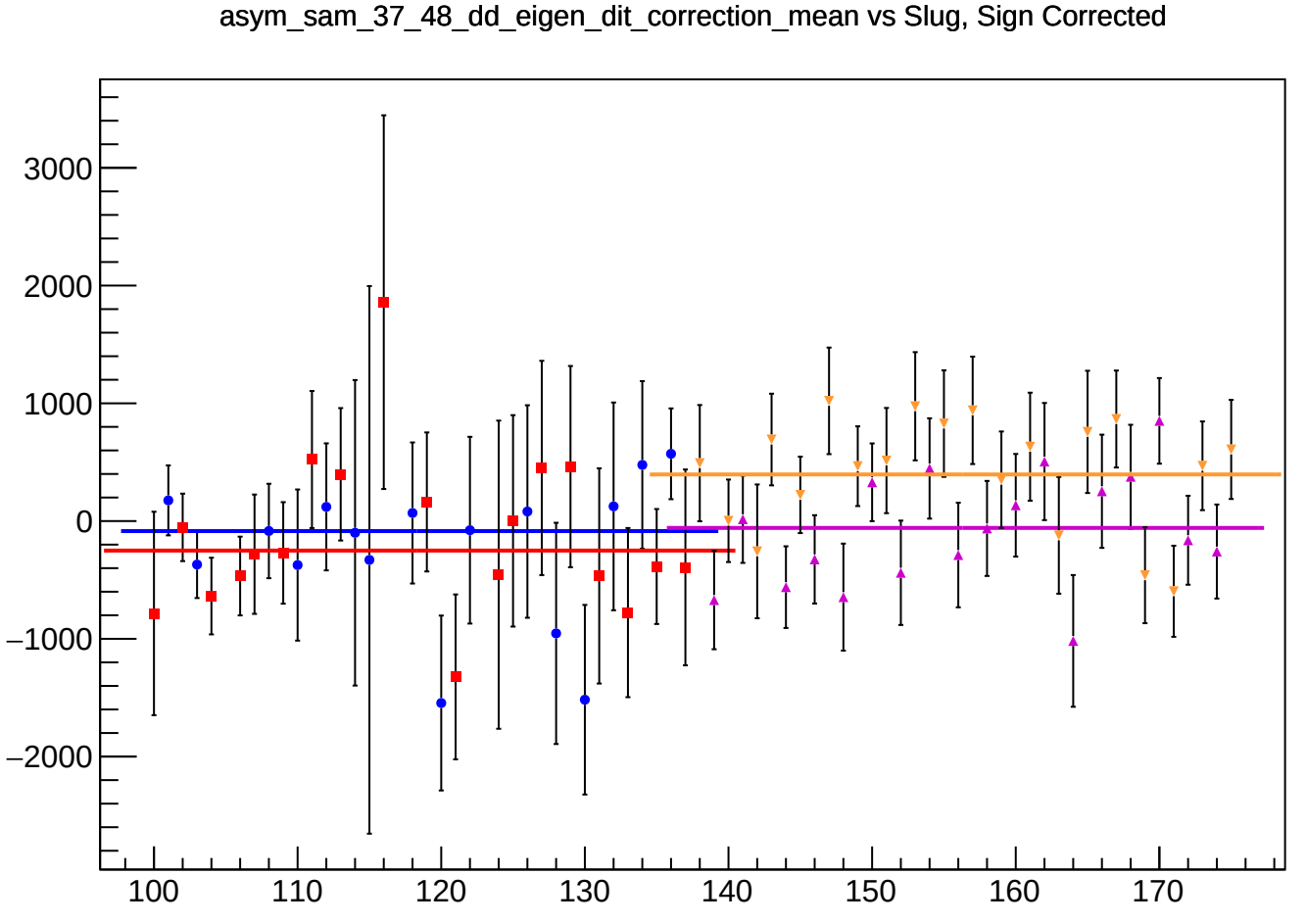
Left: 68.995+/-0.009 χ^2/NDF: 686385.0/37

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

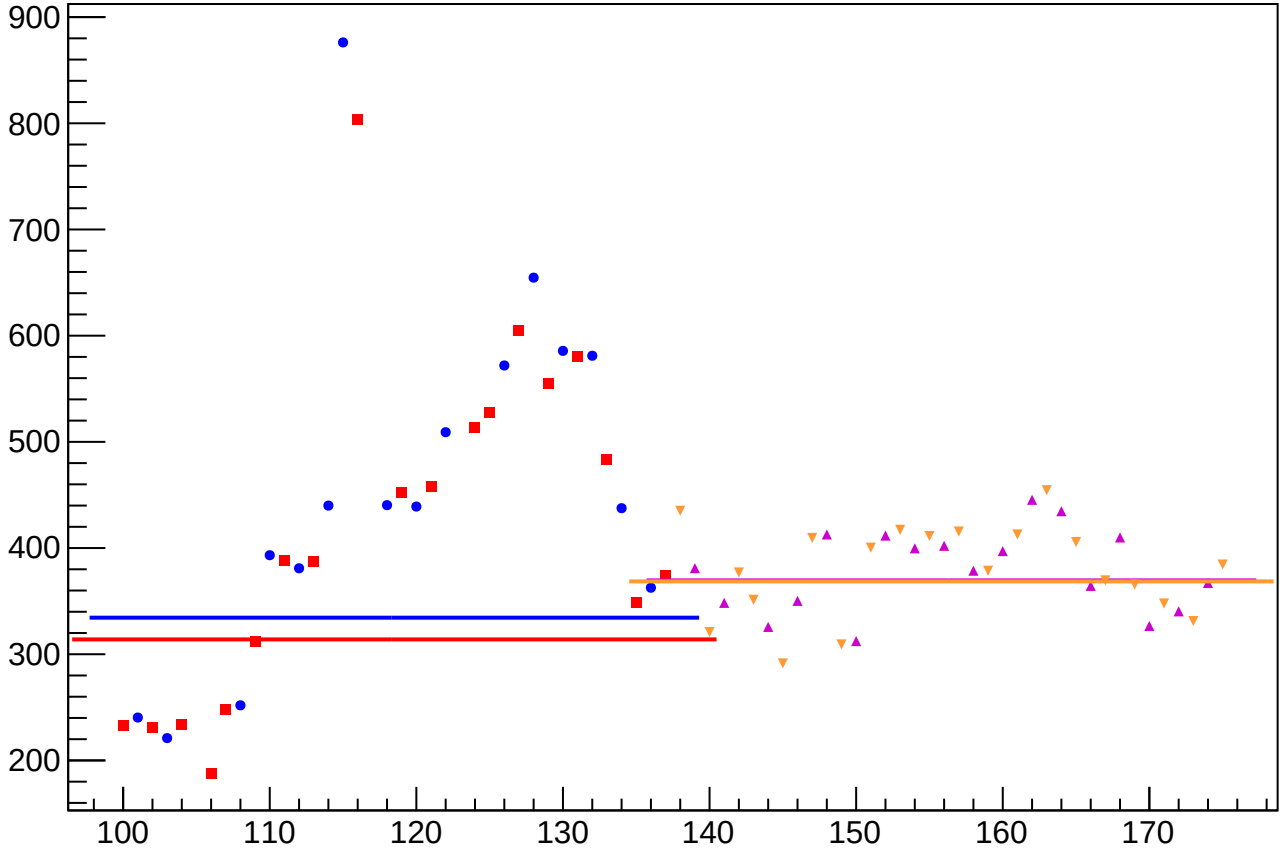
In: 69.243+/-0.011 χ^2/NDF:488044.2/33

Out: 69.874+/-0.010 χ^2/NDF:807079.2/38

All: 69.564+/-0.007 χ^2/NDF: 1296951.2/72


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -85.185+/-132.877 χ²/NDF: 13.7/15
Left Out: 395.867+/-93.537 χ²/NDF:23.9/19
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -58.197+/-96.638 χ²/NDF:22.7/17
Left: 176.236+/-67.210 χ²/NDF: 57.9/37
Right: -173.981+/-90.383 χ²/NDF: 27.0/34
In: -67.533+/-78.155 χ²/NDF:36.4/33
Out: 159.788+/-74.521 χ²/NDF:53.8/38
All: 51.534+/-53.933 χ²/NDF: 94.6/72

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 368.594+/-0.066 χ^2/NDF:458943.5/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 369.542+/-0.068 χ^2/NDF:301902.5/17

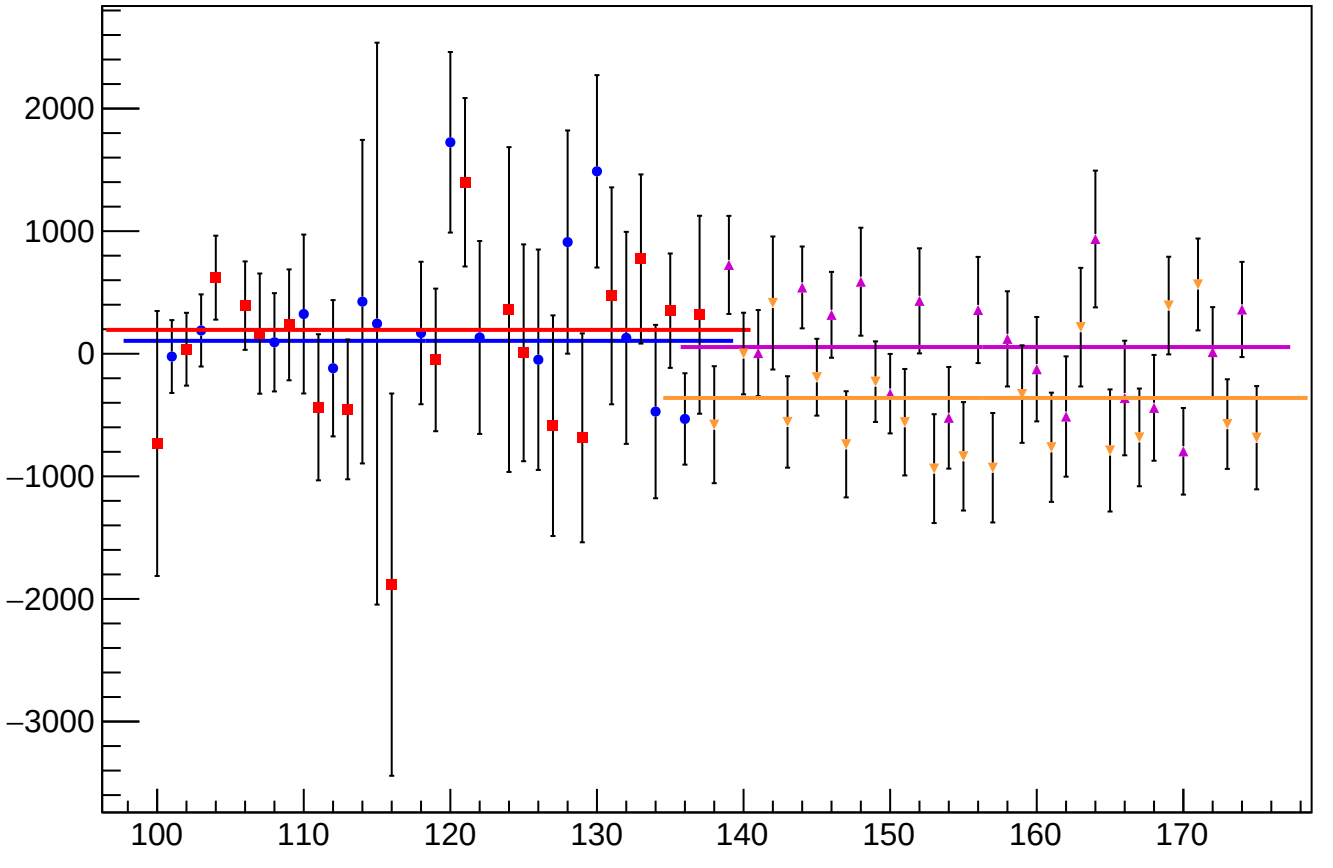
Left: 369.053+/-0.048 χ^2/NDF: 760945.4/37

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.396+/-0.055 χ^2/NDF:2123845.8/33

Out: 348.642+/-0.053 χ^2/NDF:2612682.0/38

All: 352.810+/-0.038 χ^2/NDF: 4749669.8/72



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -360.430+/-90.620 χ^2/NDF:23.9/19

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 54.778+/-93.537 χ^2/NDF:24.1/17

Left: -159.400+/-65.085 χ^2/NDF: 58.1/37

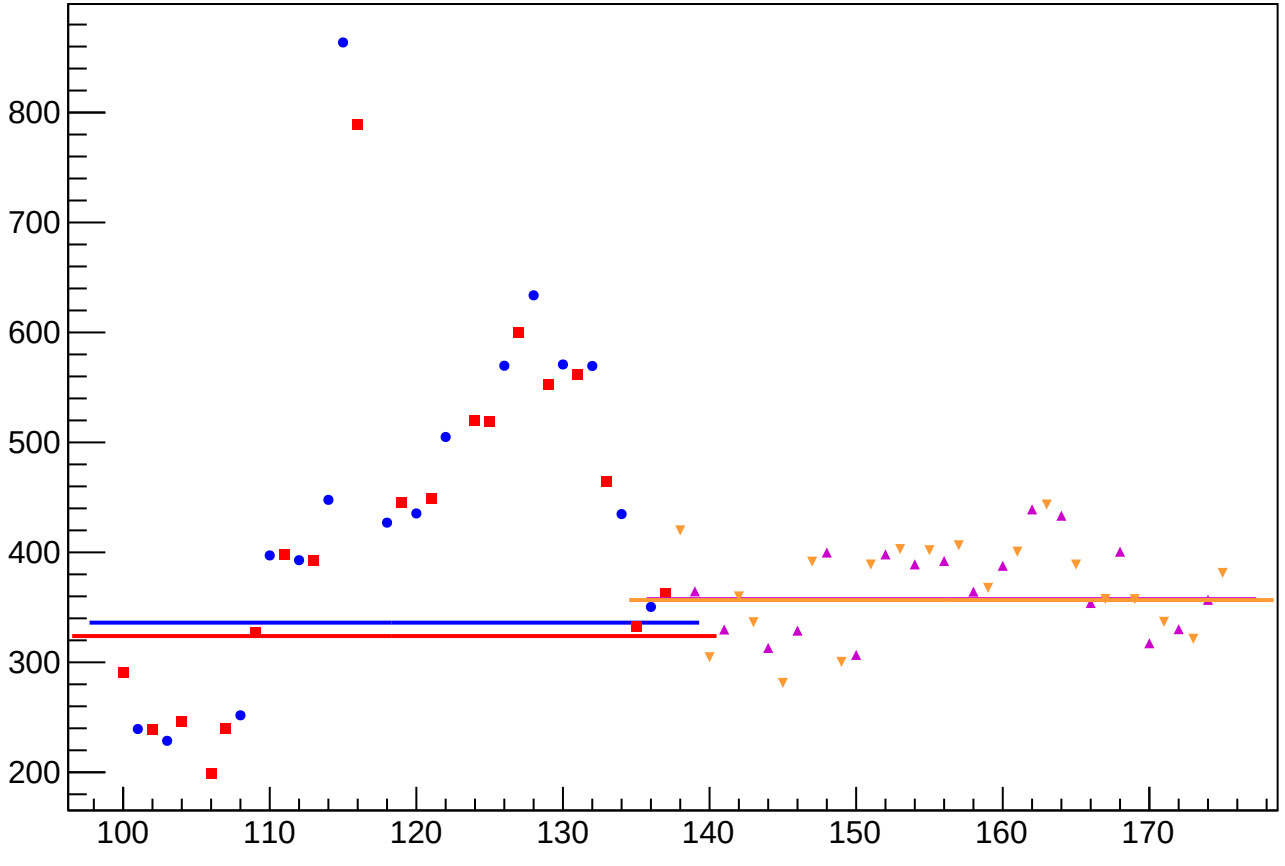
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 71.519+/-76.519 χ^2/NDF:37.2/33

Out: -171.564+/-73.609 χ^2/NDF:49.8/38

All: -54.733+/-53.048 χ^2/NDF: 92.2/72

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 356.628+/-0.064 χ^2/NDF:480797.5/19

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.460+/-0.066 χ^2/NDF:331754.5/17

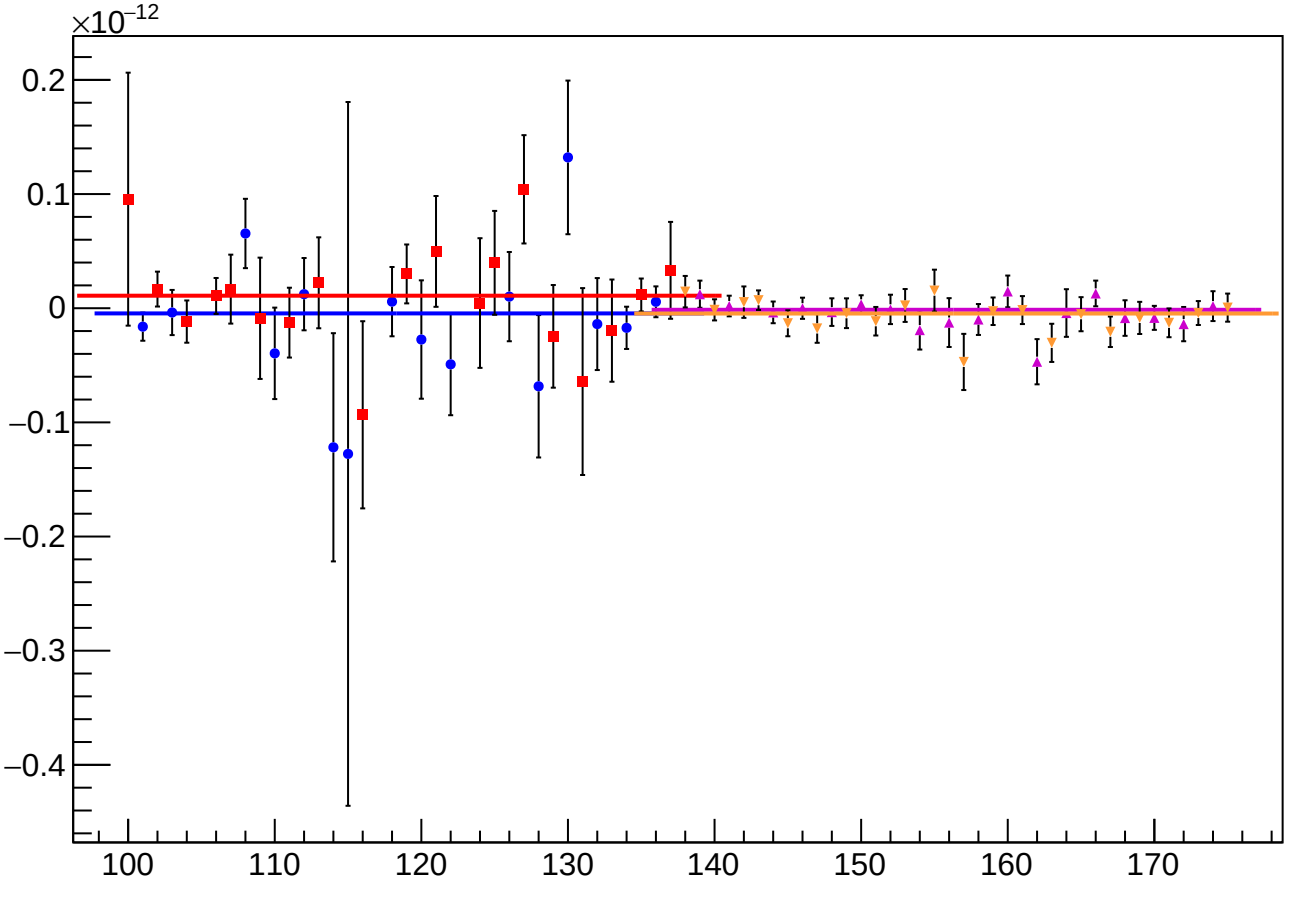
Left: 357.031+/-0.046 χ^2/NDF: 812633.5/37

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 350.392+/-0.054 χ^2/NDF:1985274.4/33

Out: 345.489+/-0.052 χ^2/NDF:2235047.4/38

All: 347.845+/-0.038 χ^2/NDF: 4224586.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/17

Left: -0.000+/-0.000 χ^2/NDF: 29.3/37

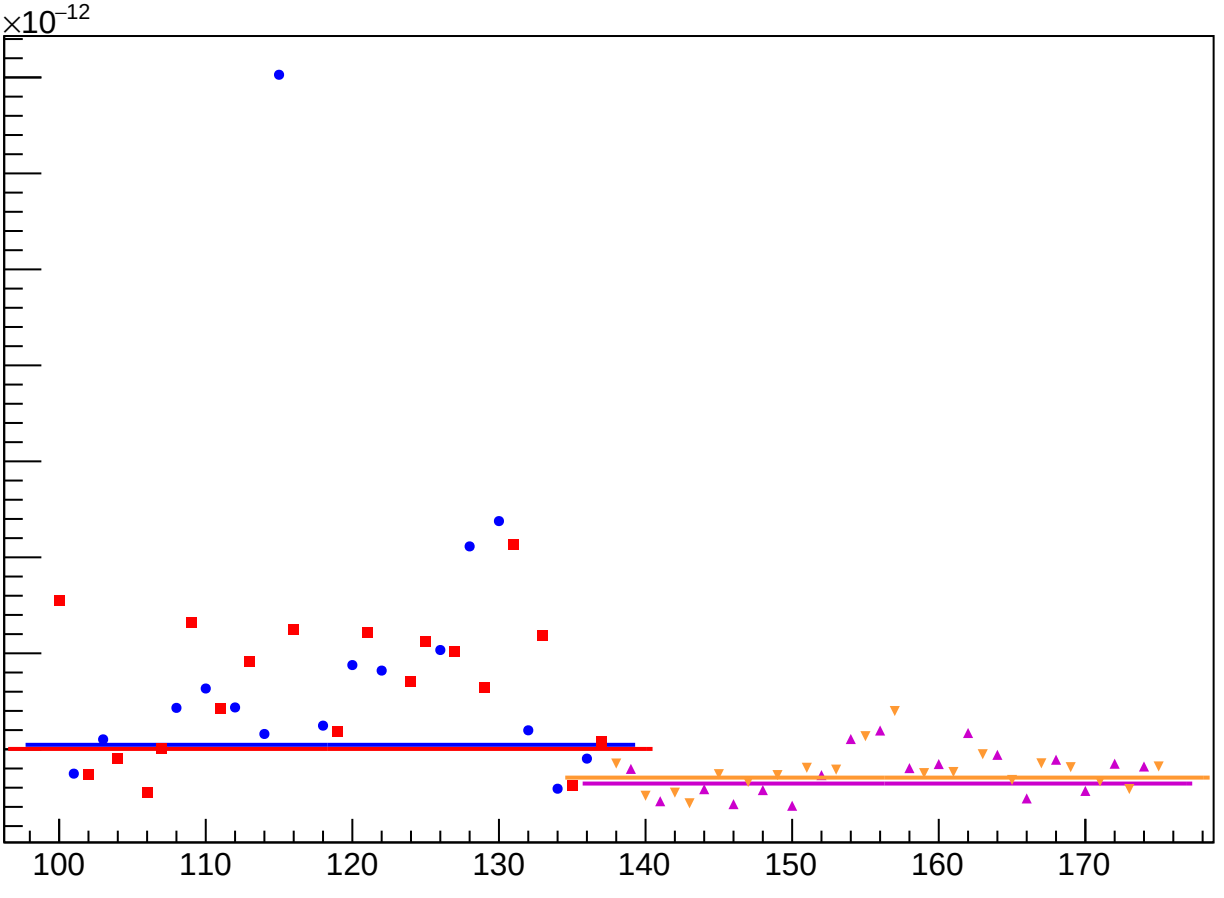
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.0/33

Out: -0.000+/-0.000 χ^2/NDF:32.7/38

All: -0.000+/-0.000 χ^2/NDF: 62.7/72

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:753841.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1122366.9/17

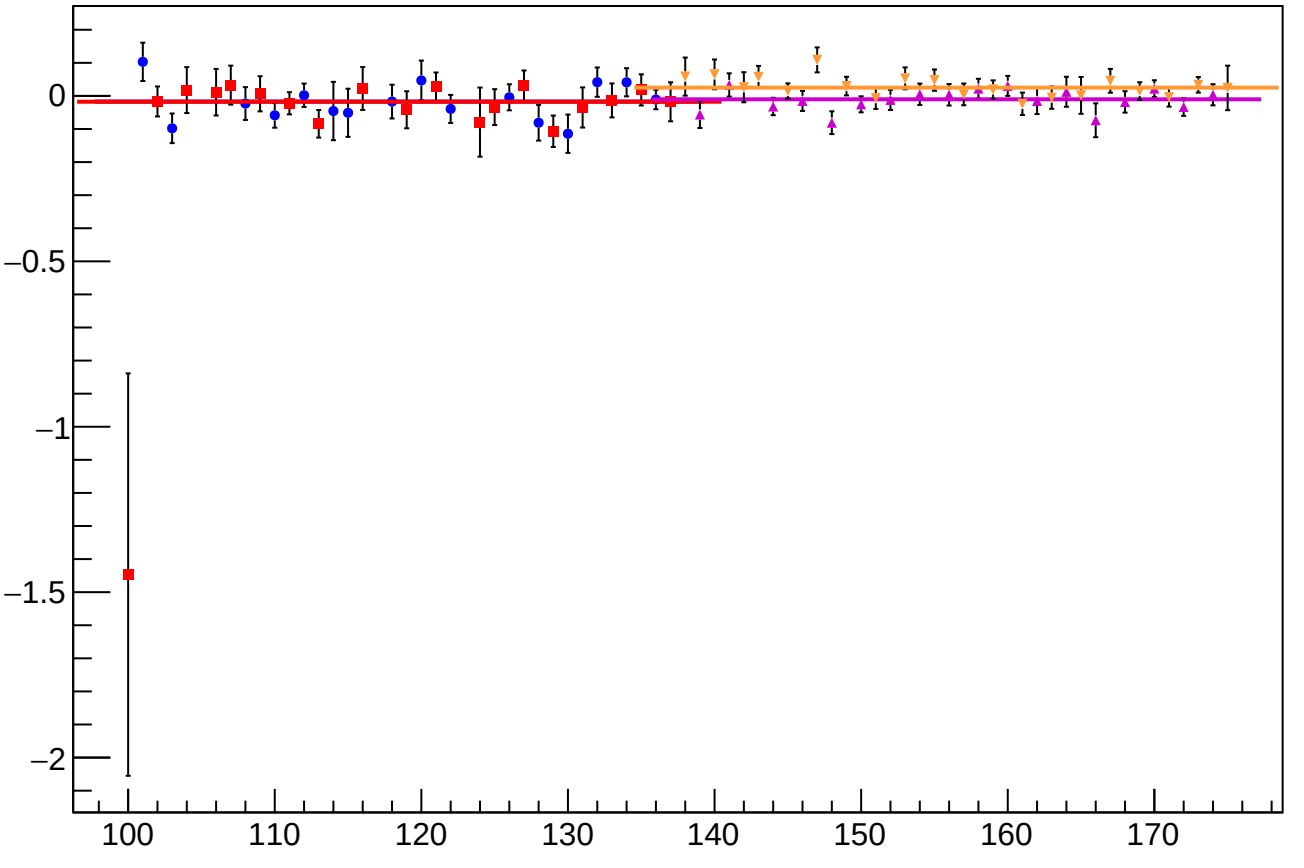
Left: 0.000+/-0.000 χ^2/NDF: 1923993.0/37

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2961862.6/33

Out: 0.000+/-0.000 χ^2/NDF:2533339.2/38

All: 0.000+/-0.000 χ^2/NDF: 5524300.2/72



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

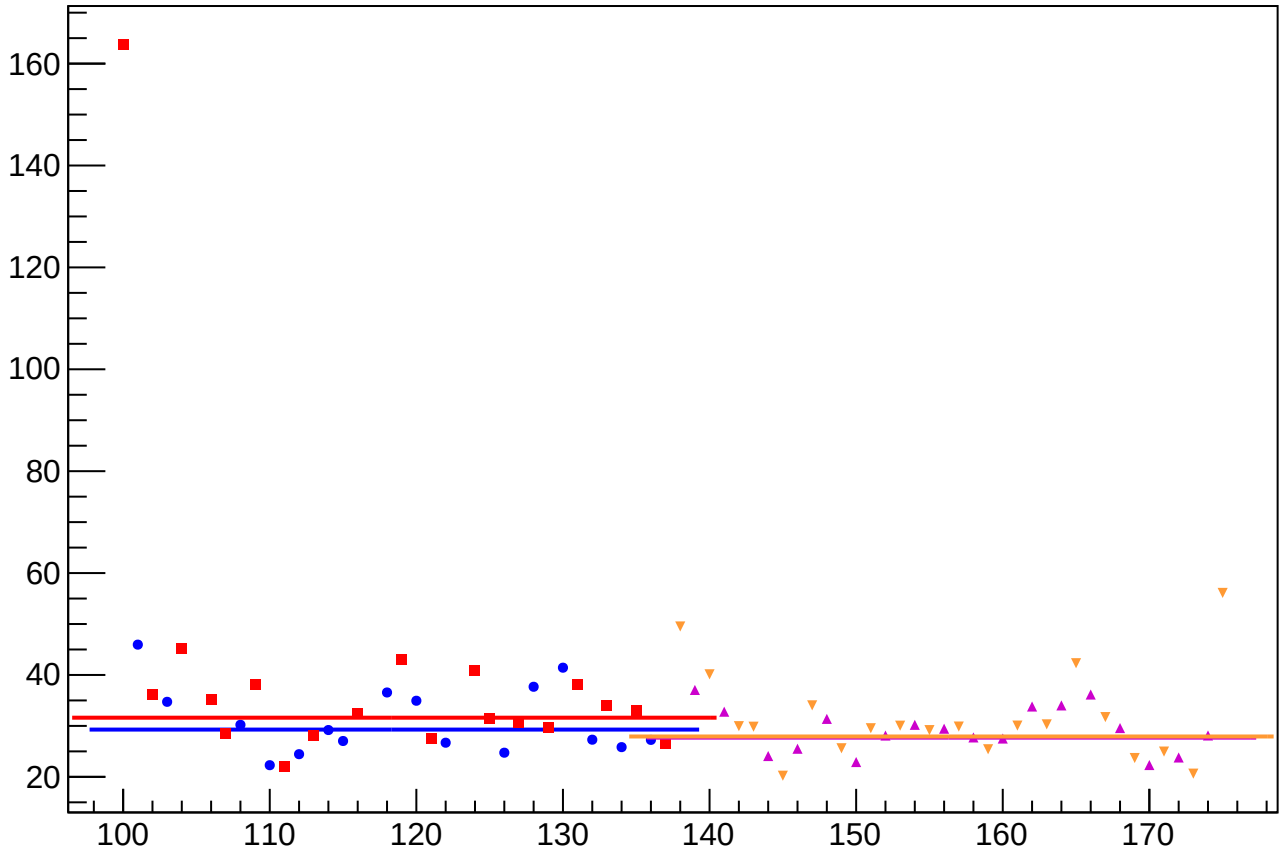
Left: 0.008+/-0.005 χ^2/NDF: 41.9/37

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.001+/-0.004 χ^2/NDF: 84.1/72



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561110.7/19

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

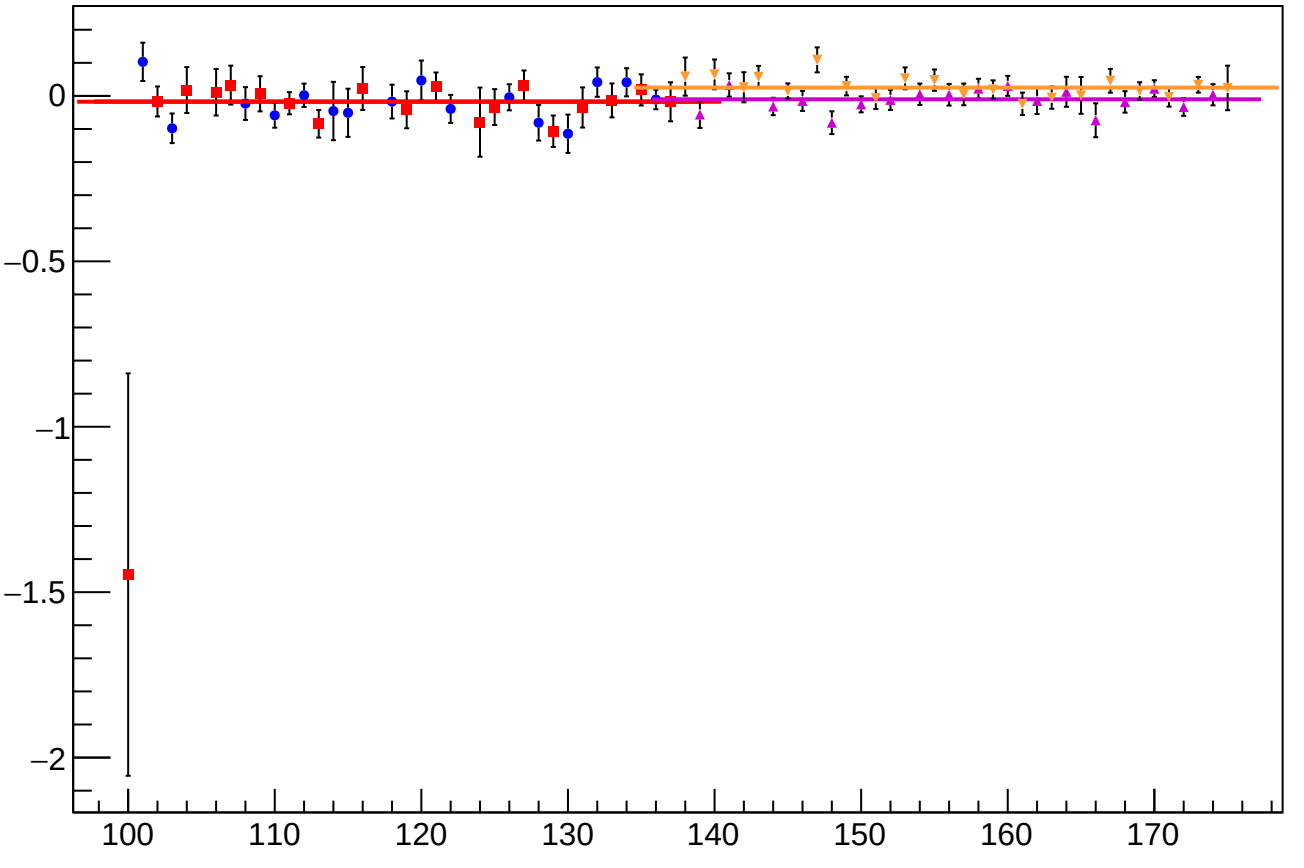
Left: 27.811+/-0.004 χ^2/NDF: 2157085.4/37

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.170+/-0.004 χ^2/NDF:1182939.7/33

Out: 28.913+/-0.004 χ^2/NDF:2269445.9/38

All: 28.539+/-0.003 χ^2/NDF: 3466528.6/72



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

Left: 0.008+/-0.005 χ^2/NDF: 41.9/37

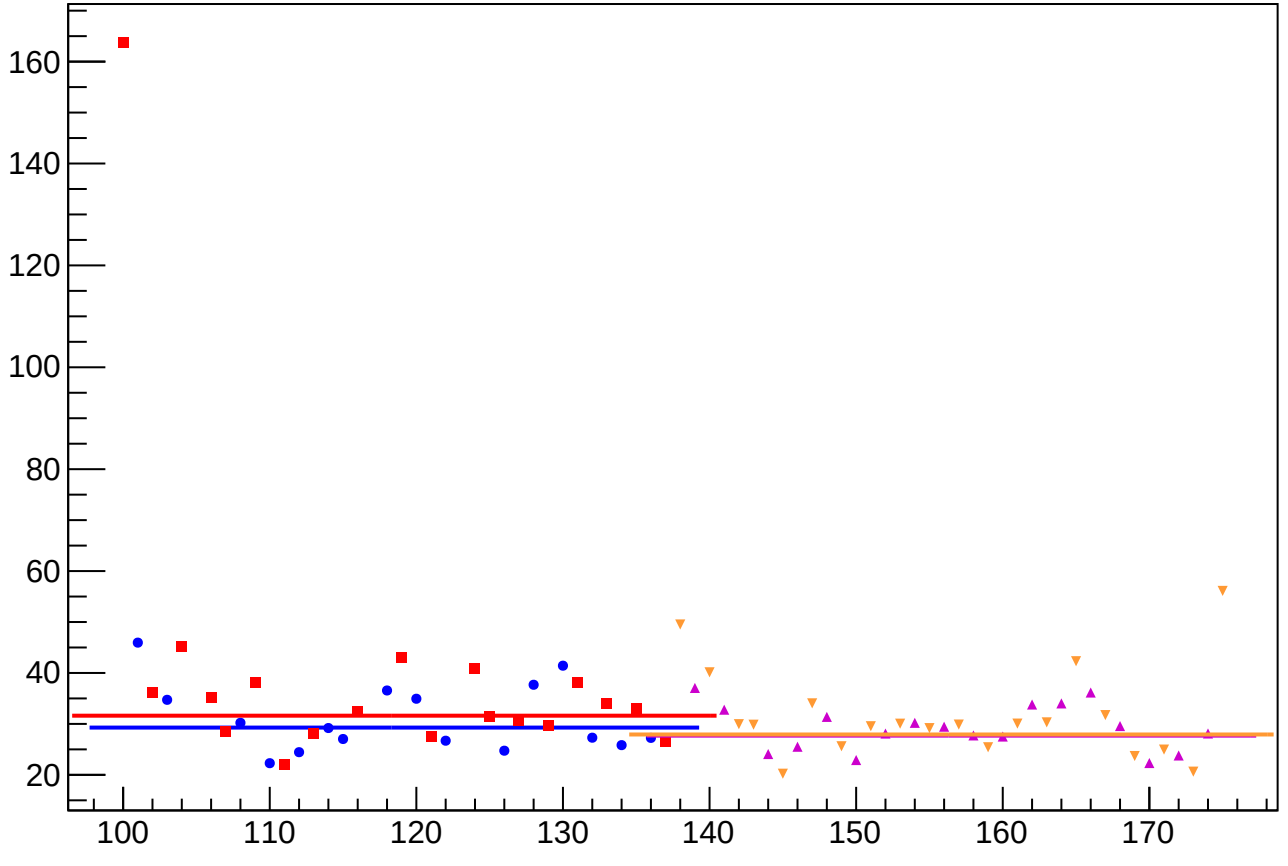
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.001+/-0.004 χ^2/NDF: 84.1/72

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561110.7/19

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

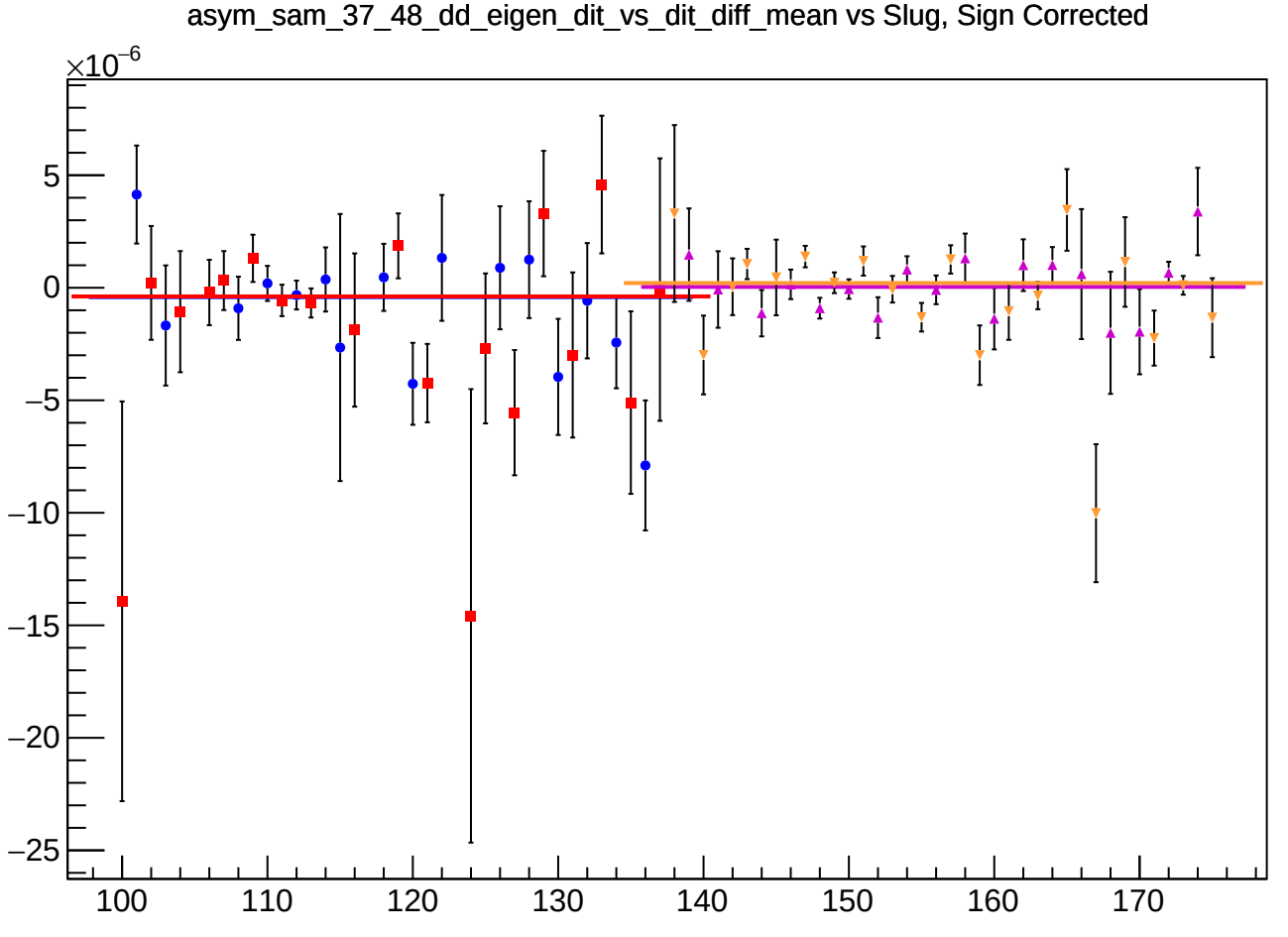
Left: 27.811+/-0.004 χ^2/NDF: 2157085.4/37

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.170+/-0.004 χ^2/NDF:1182939.7/33

Out: 28.913+/-0.004 χ^2/NDF:2269445.9/38

All: 28.539+/-0.003 χ^2/NDF: 3466528.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/17

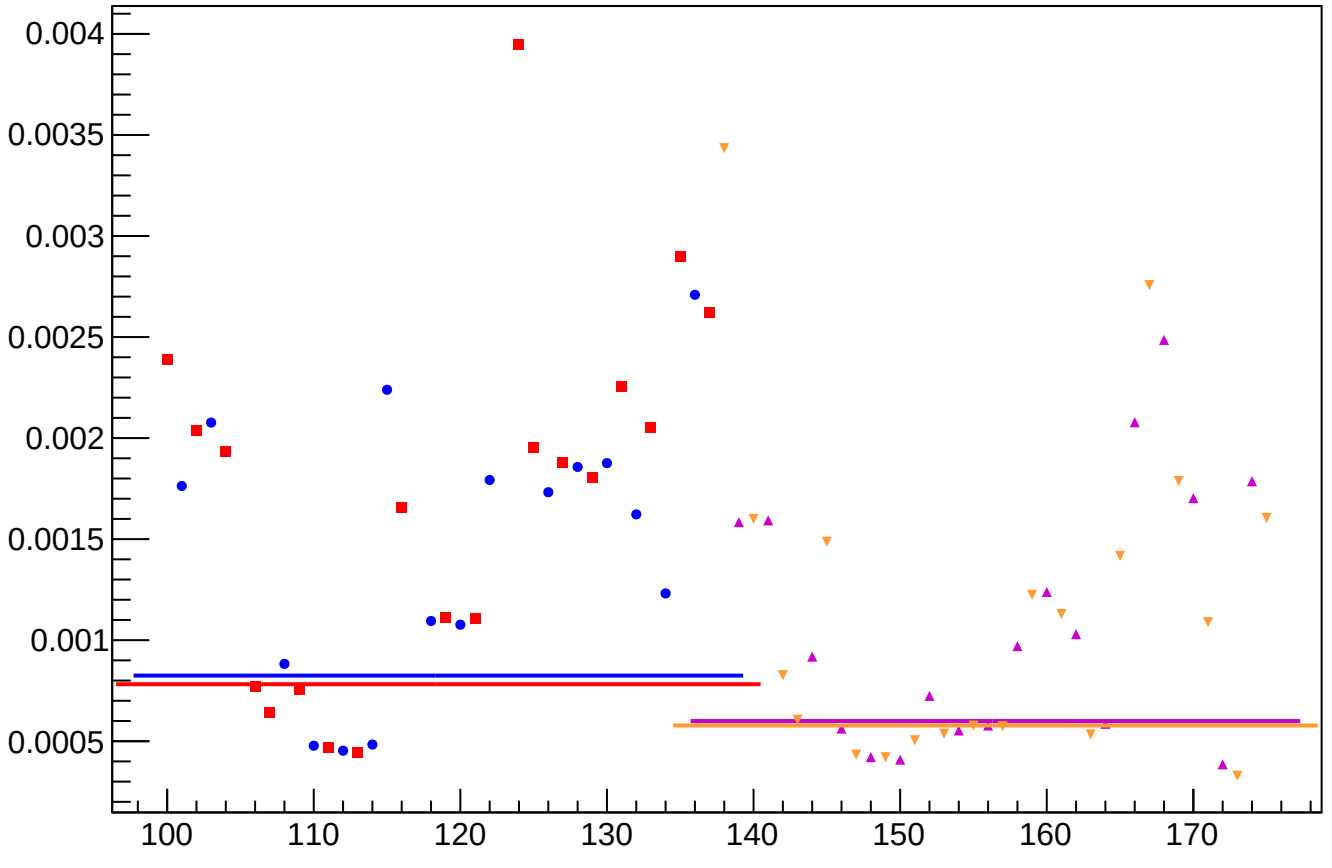
Left: 0.000+/-0.000 χ^2/NDF: 71.3/37

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:43.5/33

Out: 0.000+/-0.000 χ^2/NDF:77.4/38

All: 0.000+/-0.000 χ^2/NDF: 121.3/72



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:7654065.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:6329183.4/17

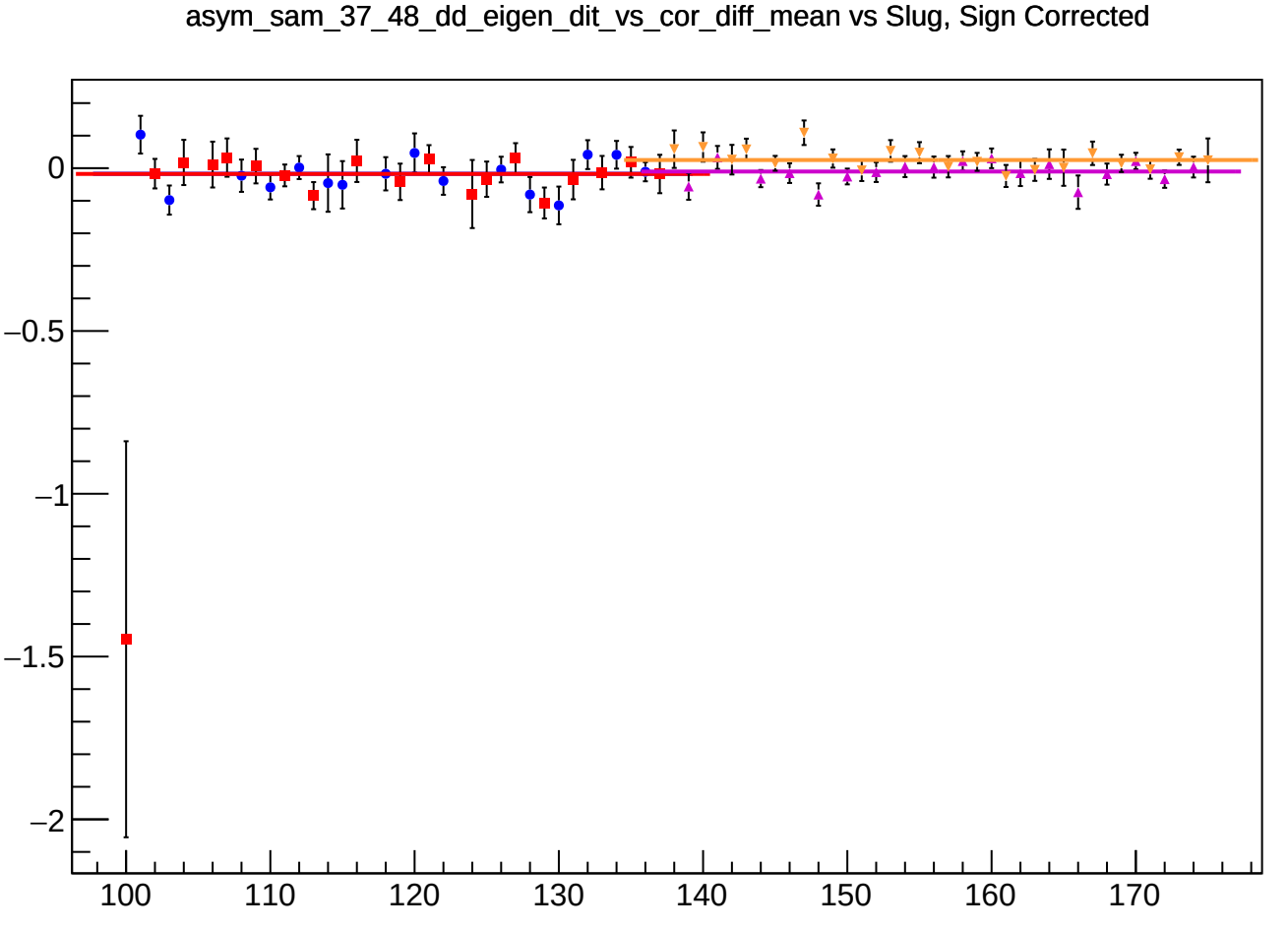
Left: 0.001+/-0.000 χ^2/NDF: 13998688.7/37

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:11367054.3/33

Out: 0.001+/-0.000 χ^2/NDF:12846136.5/38

All: 0.001+/-0.000 χ^2/NDF: 24242982.2/72



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

Left: 0.008+/-0.005 χ^2/NDF: 41.9/37

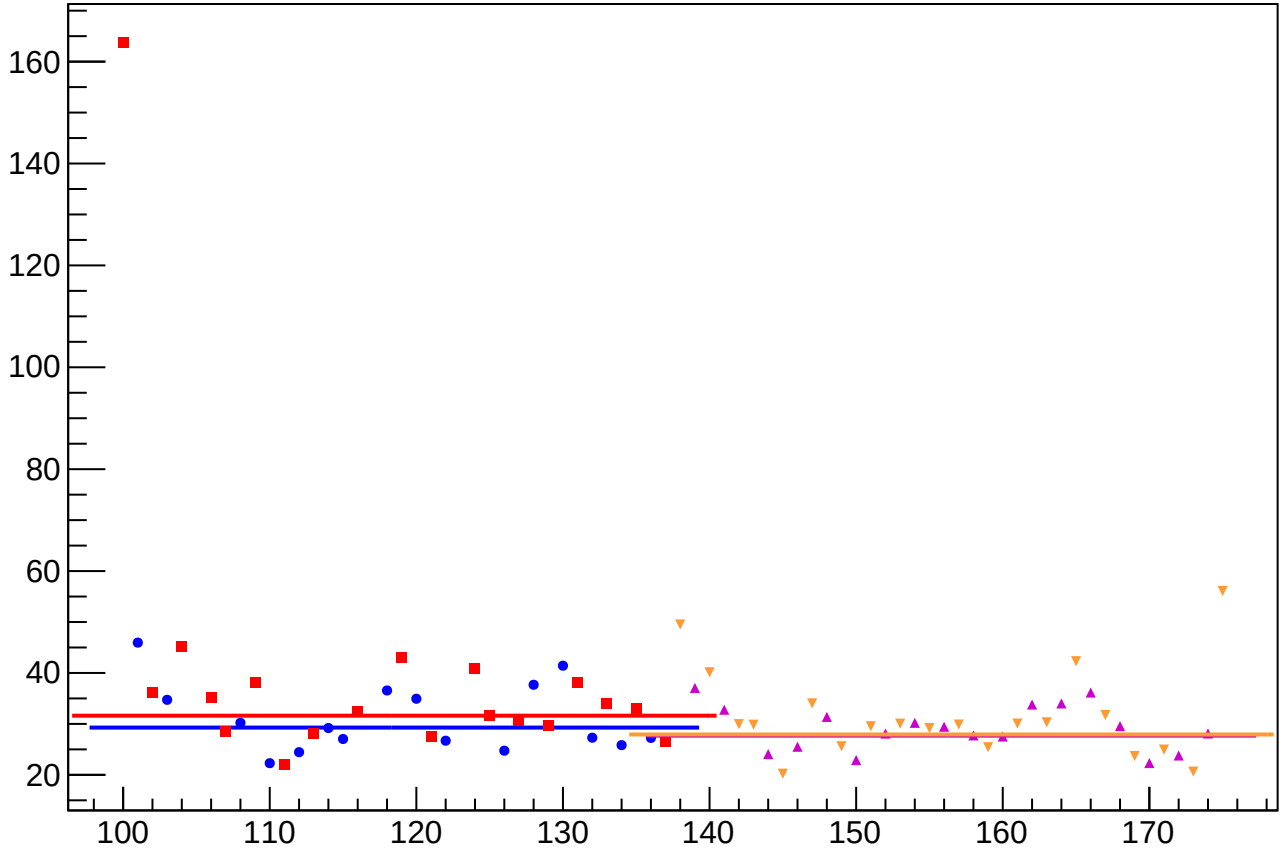
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.001+/-0.004 χ^2/NDF: 84.1/72

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561167.6/19

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

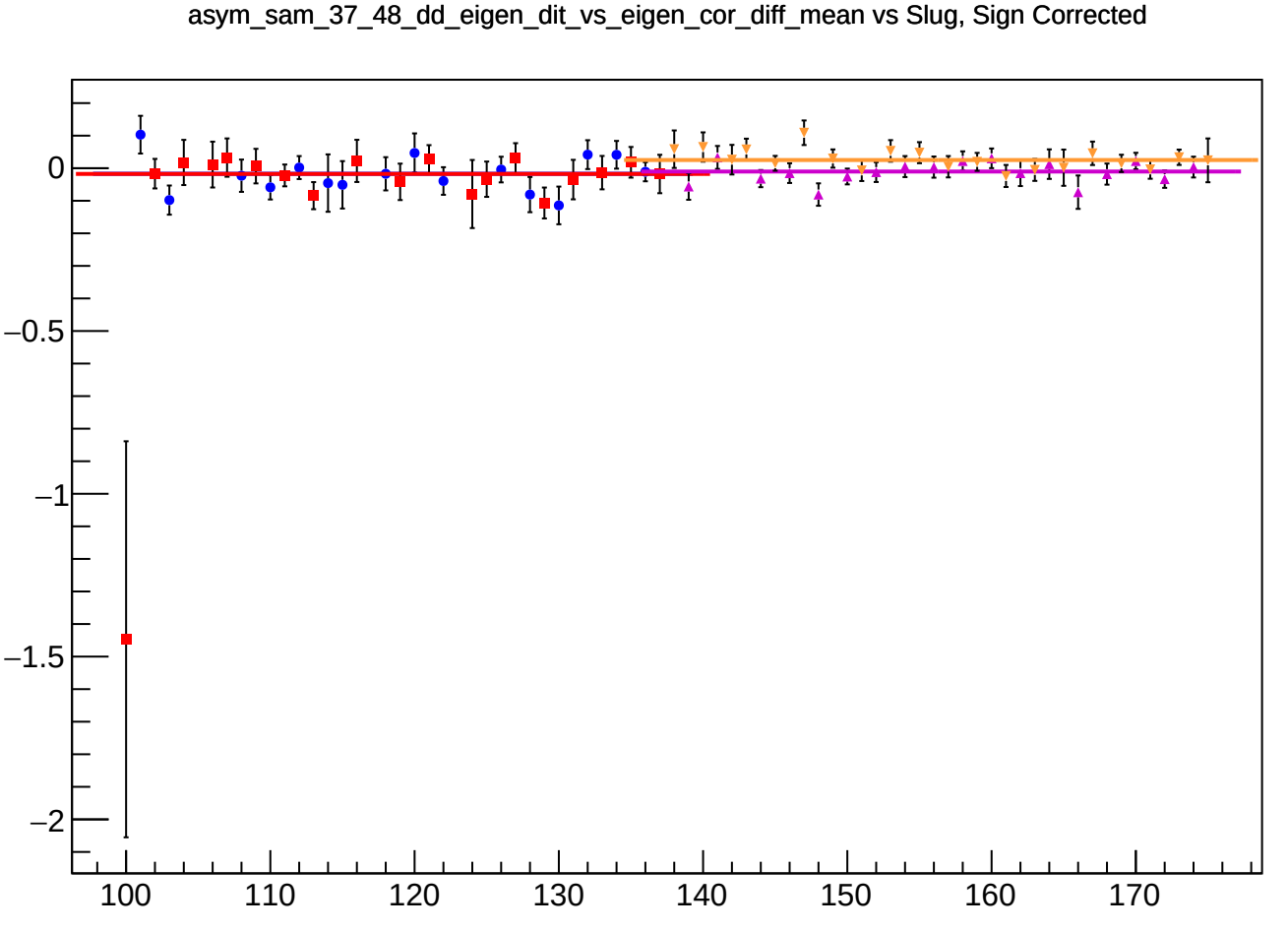
Left: 27.810+/-0.004 χ^2/NDF: 2157129.3/37

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.170+/-0.004 χ^2/NDF:1182936.8/33

Out: 28.912+/-0.004 χ^2/NDF:2269533.1/38

All: 28.538+/-0.003 χ^2/NDF: 3466612.5/72



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

Left: 0.008+/-0.005 χ^2/NDF: 41.9/37

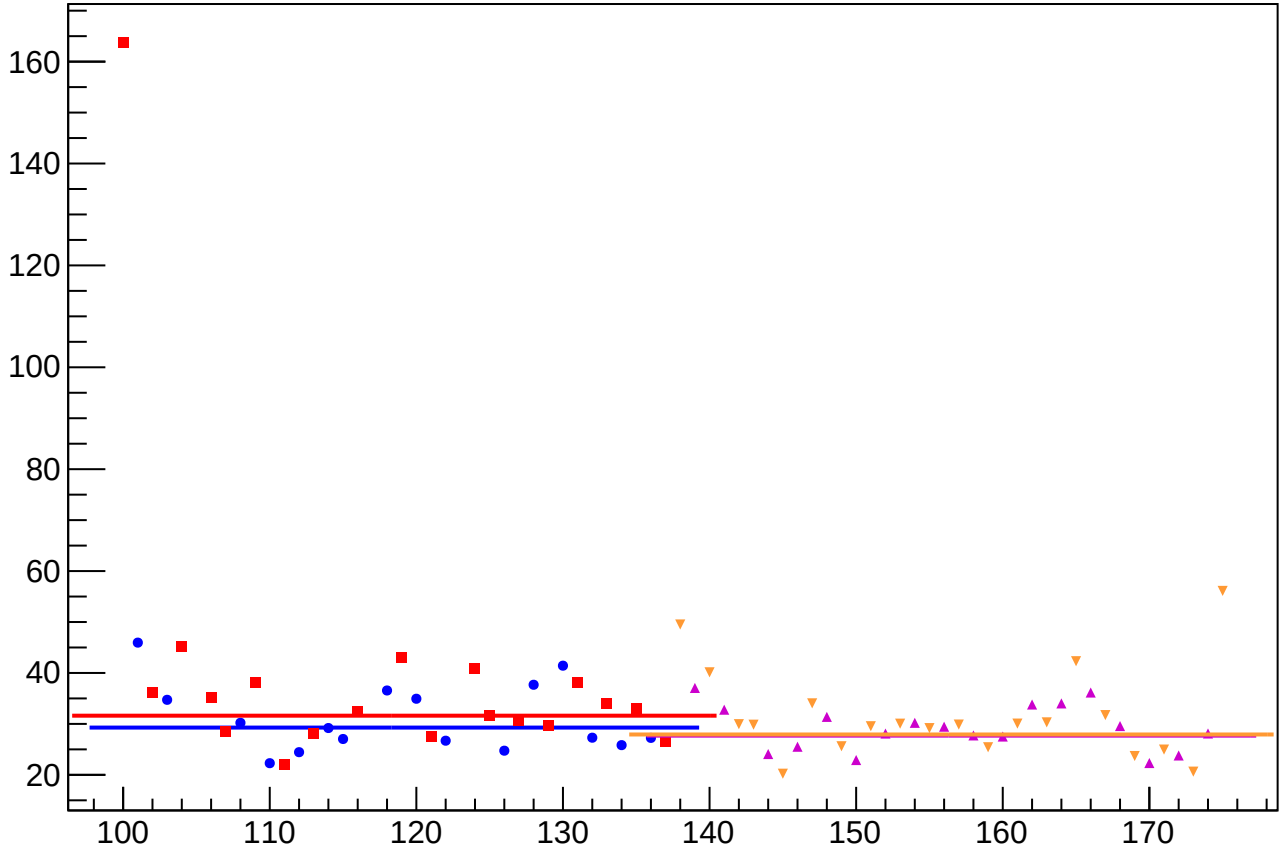
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.001+/-0.004 χ^2/NDF: 84.1/72

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561167.6/19

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

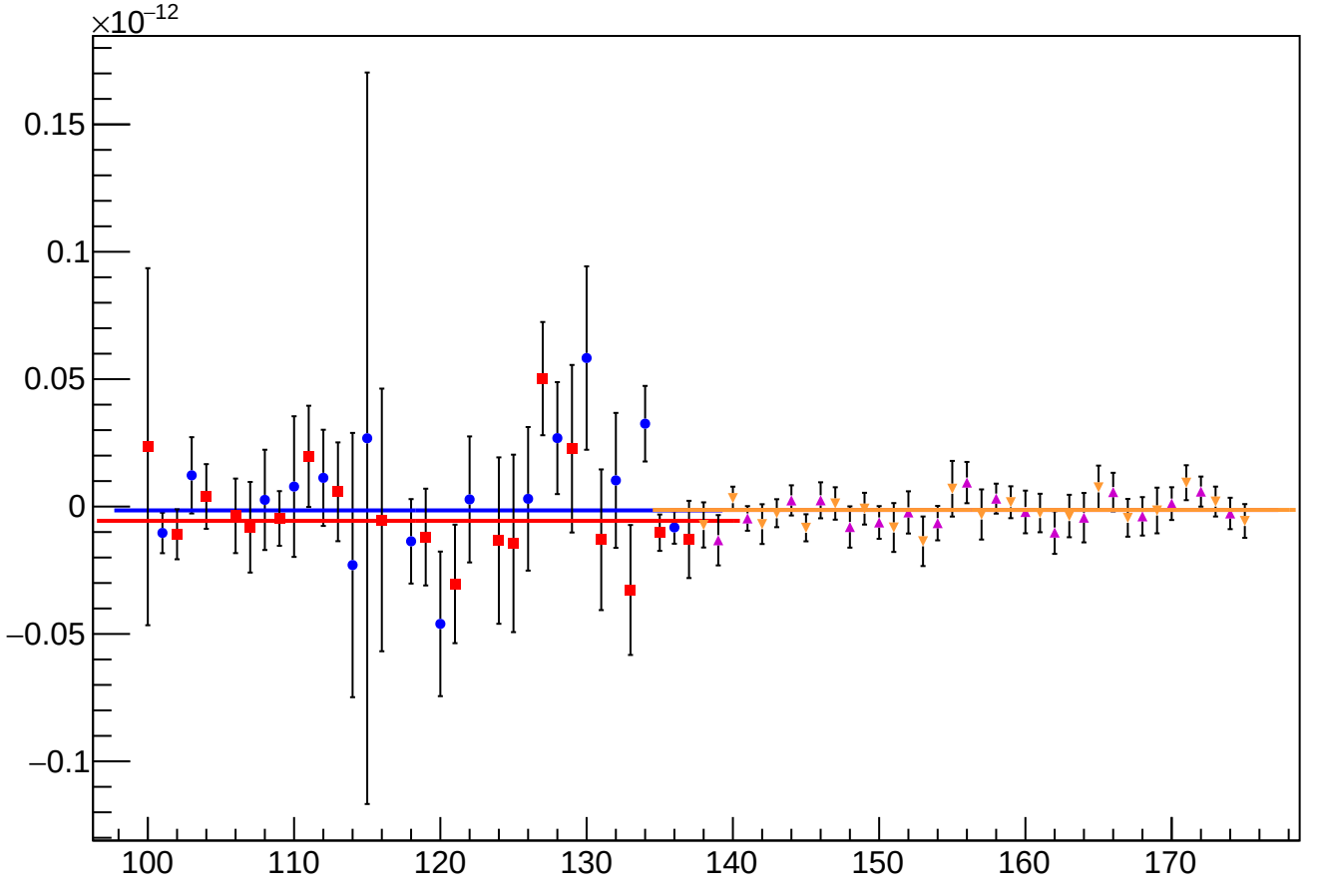
Left: 27.810+/-0.004 χ^2/NDF: 2157129.3/37

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.170+/-0.004 χ^2/NDF:1182936.8/33

Out: 28.912+/-0.004 χ^2/NDF:2269533.1/38

All: 28.538+/-0.003 χ^2/NDF: 3466612.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/17

Left: -0.000+/-0.000 χ^2/NDF: 22.2/37

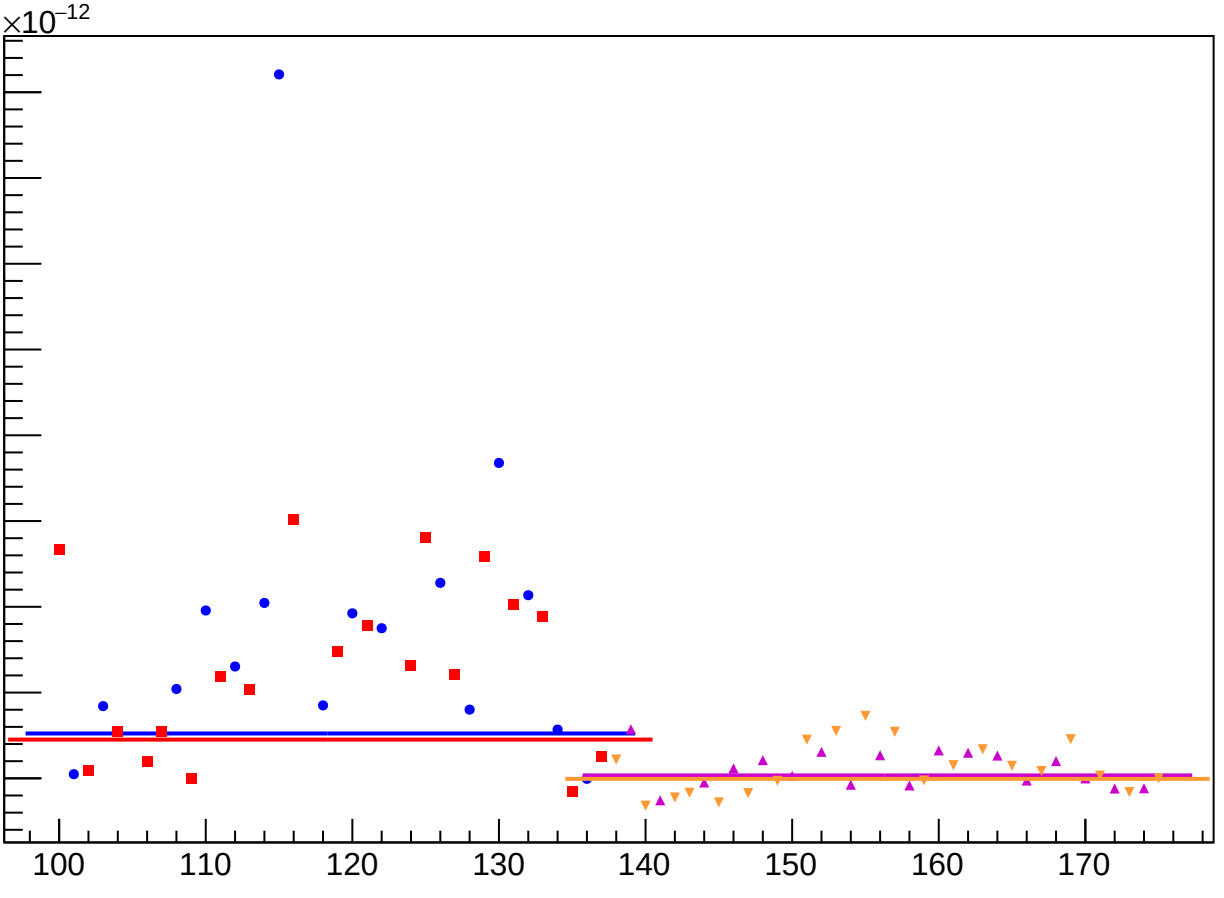
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:27.6/33

Out: -0.000+/-0.000 χ^2/NDF:26.0/38

All: -0.000+/-0.000 χ^2/NDF: 53.7/72

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1487043.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:730193.5/17

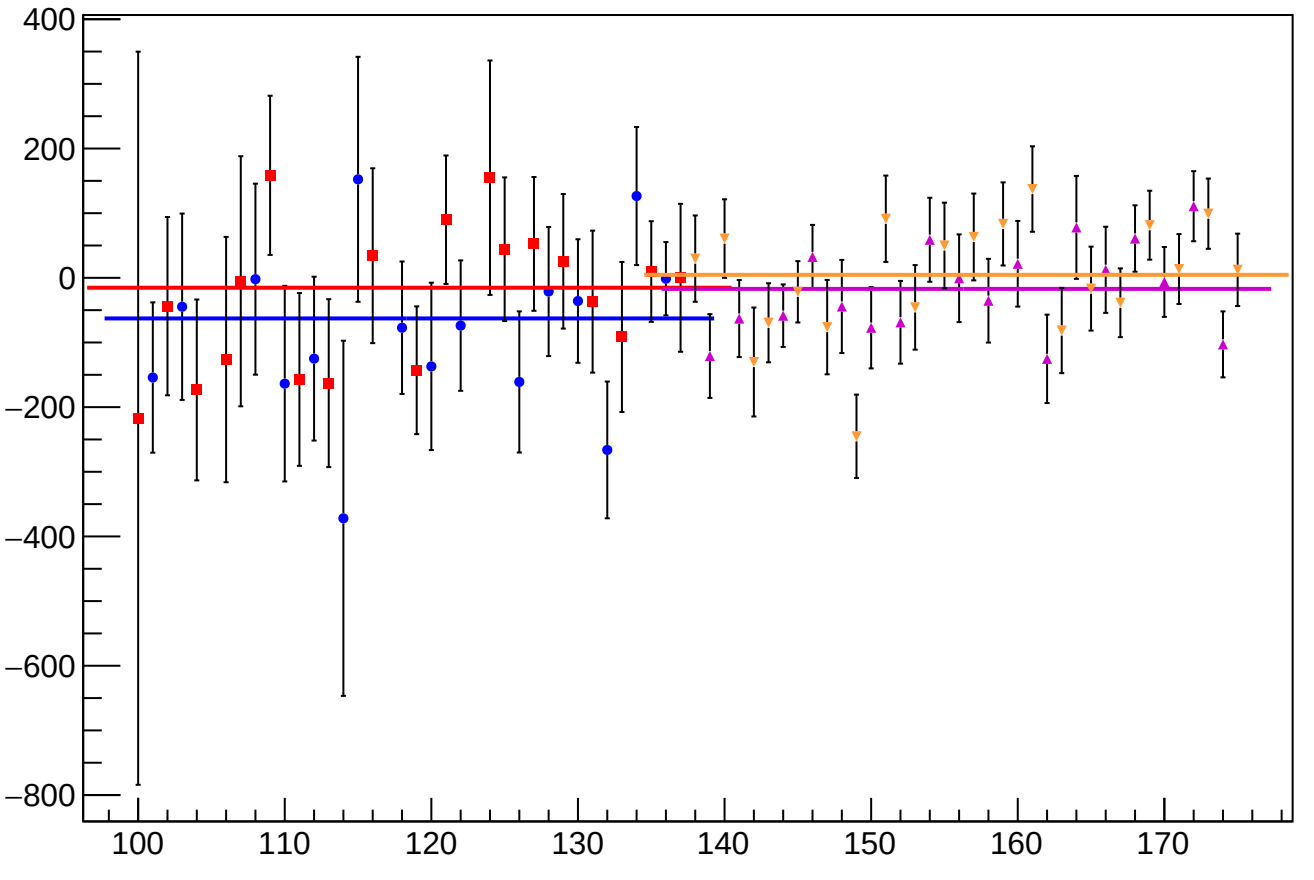
Left: 0.000+/-0.000 χ^2/NDF: 2233263.5/37

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3443725.1/33

Out: 0.000+/-0.000 χ^2/NDF:4152097.0/38

All: 0.000+/-0.000 χ^2/NDF: 7619682.0/72



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -17.084+/-14.130 χ^2/NDF:23.3/17

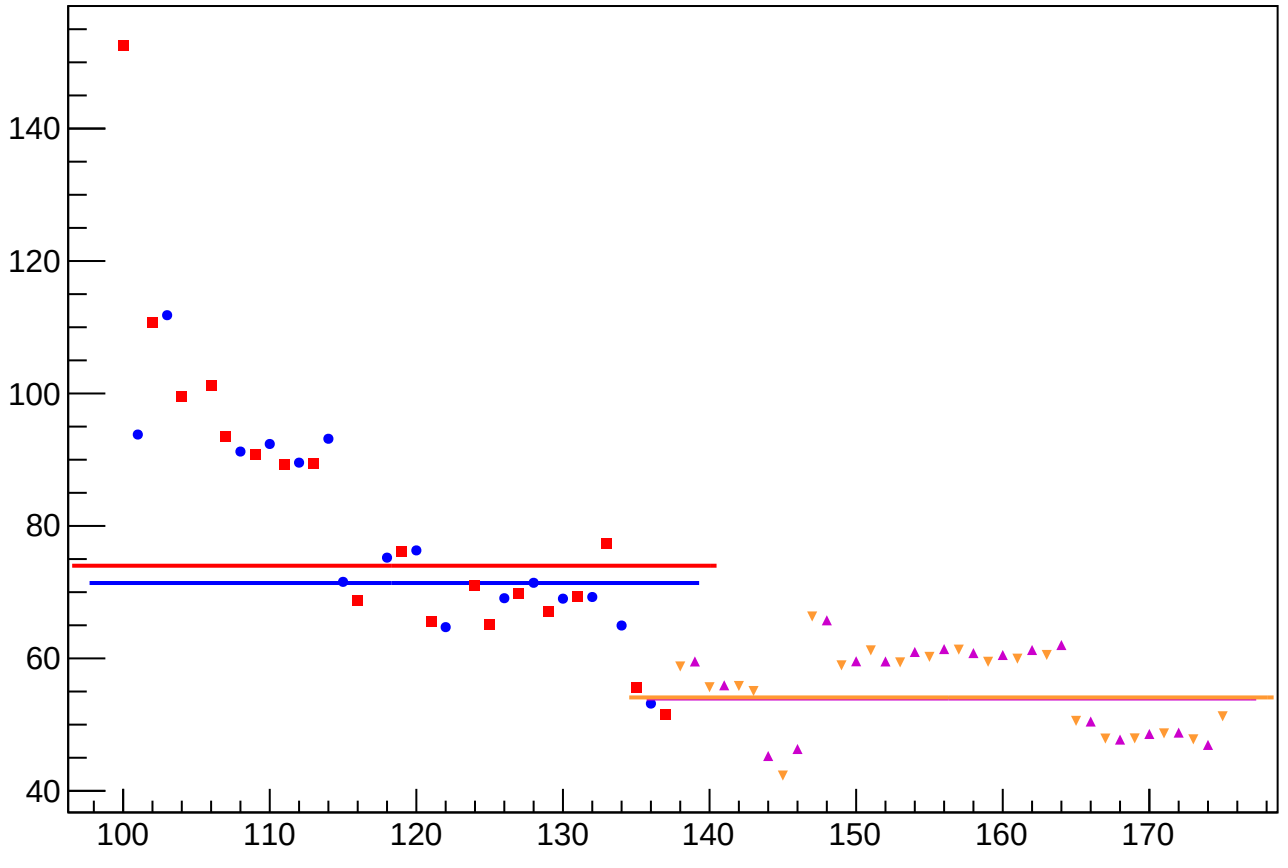
Left: -5.879+/-9.837 χ^2/NDF: 62.7/37

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -26.792+/-12.541 χ^2/NDF:39.0/33

Out: 0.751+/-12.287 χ^2/NDF:50.1/38

All: -12.739+/-8.777 χ^2/NDF: 91.6/72



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

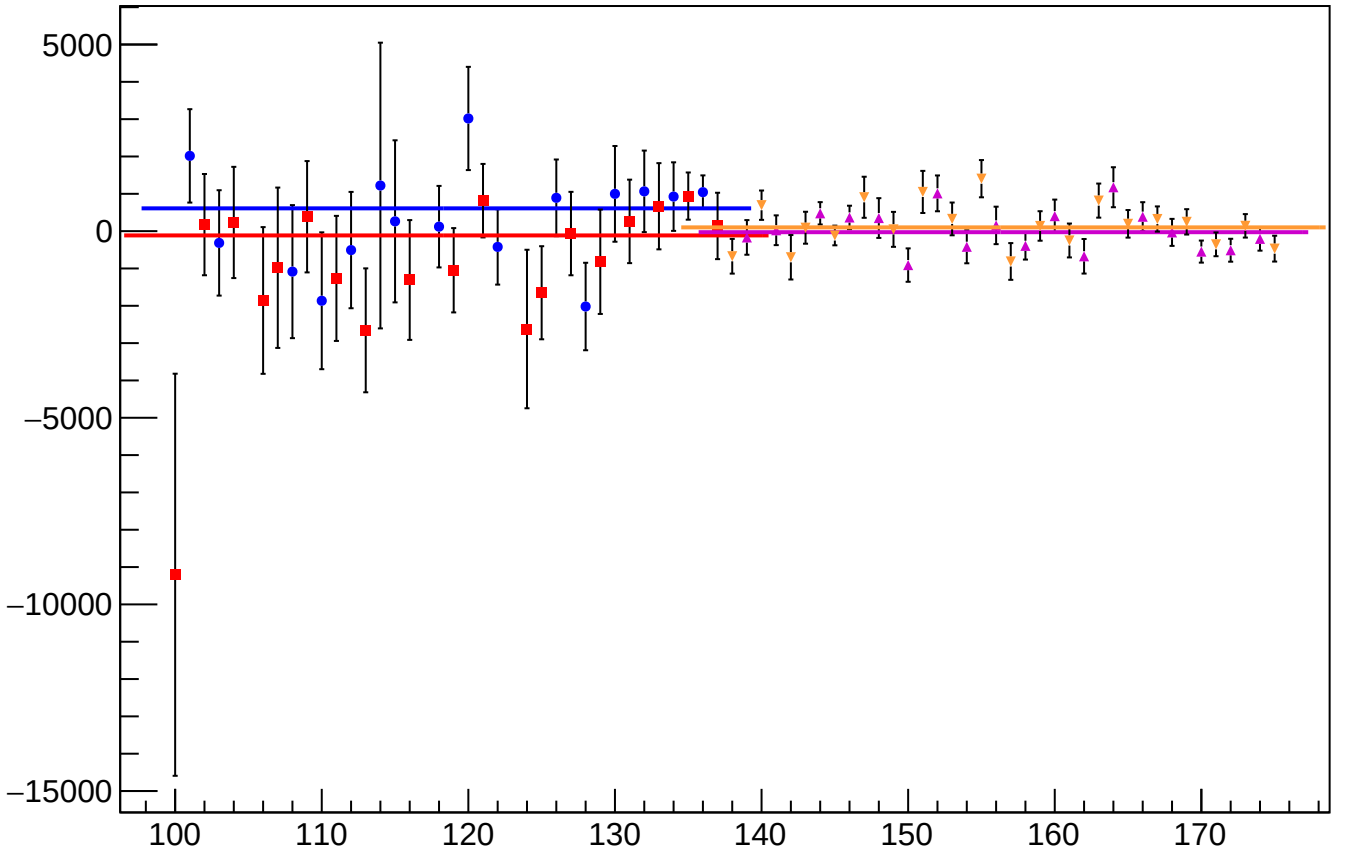
Left: 54.028+/-0.007 χ^2/NDF: 897965.2/37

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 57.647+/-0.009 χ^2/NDF:1695176.9/33

Out: 58.000+/-0.009 χ^2/NDF:1903864.4/38

All: 57.827+/-0.006 χ^2/NDF: 3599853.0/72



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 100.808+/-88.654 χ^2/NDF:31.6/19

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -28.059+/-90.901 χ^2/NDF:30.5/17

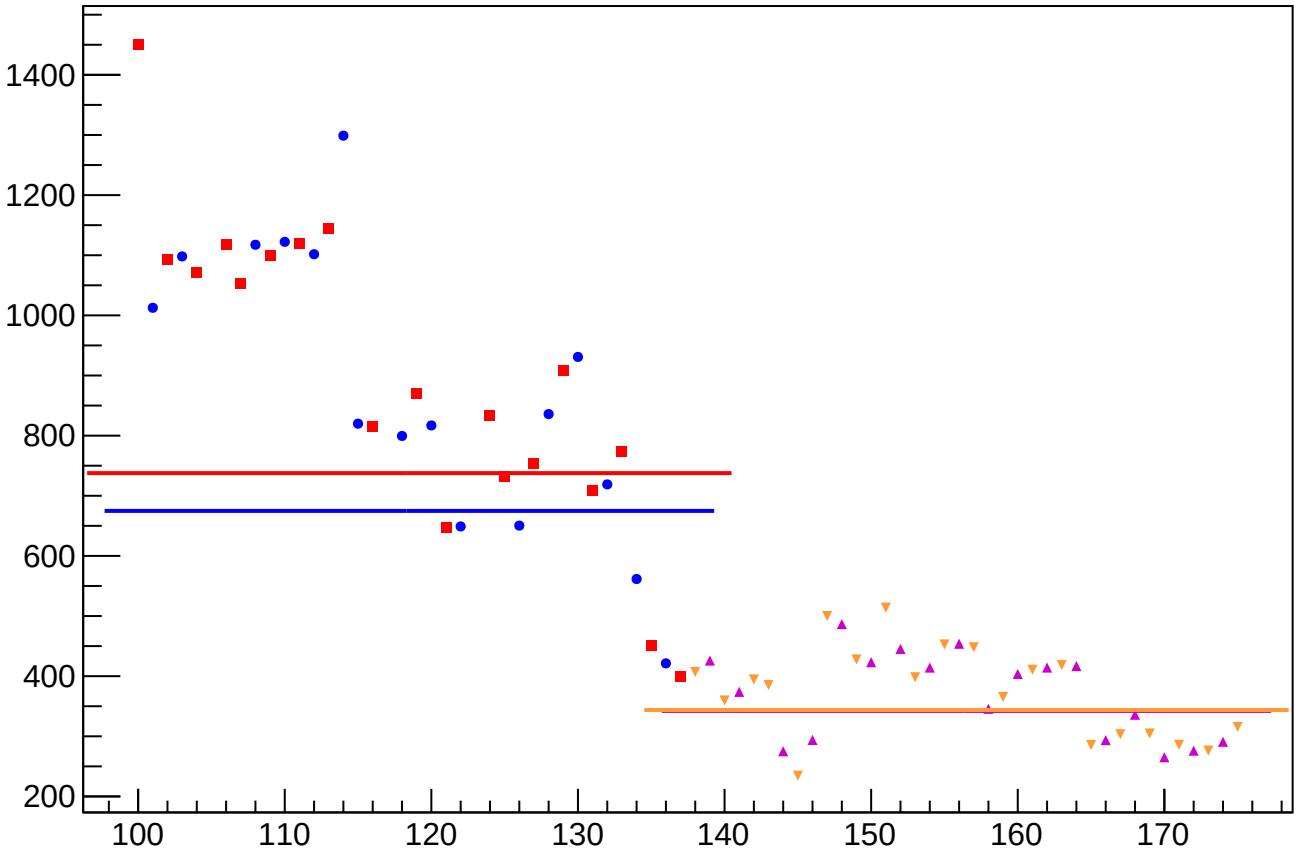
Left: 37.987+/-63.467 χ^2/NDF: 63.1/37

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 38.362+/-86.044 χ^2/NDF:51.3/33

Out: 81.716+/-84.635 χ^2/NDF:47.7/38

All: 60.397+/-60.338 χ^2/NDF: 99.1/72



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.3/19

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 342.174+/-0.064 χ^2/NDF:1121560.8/17

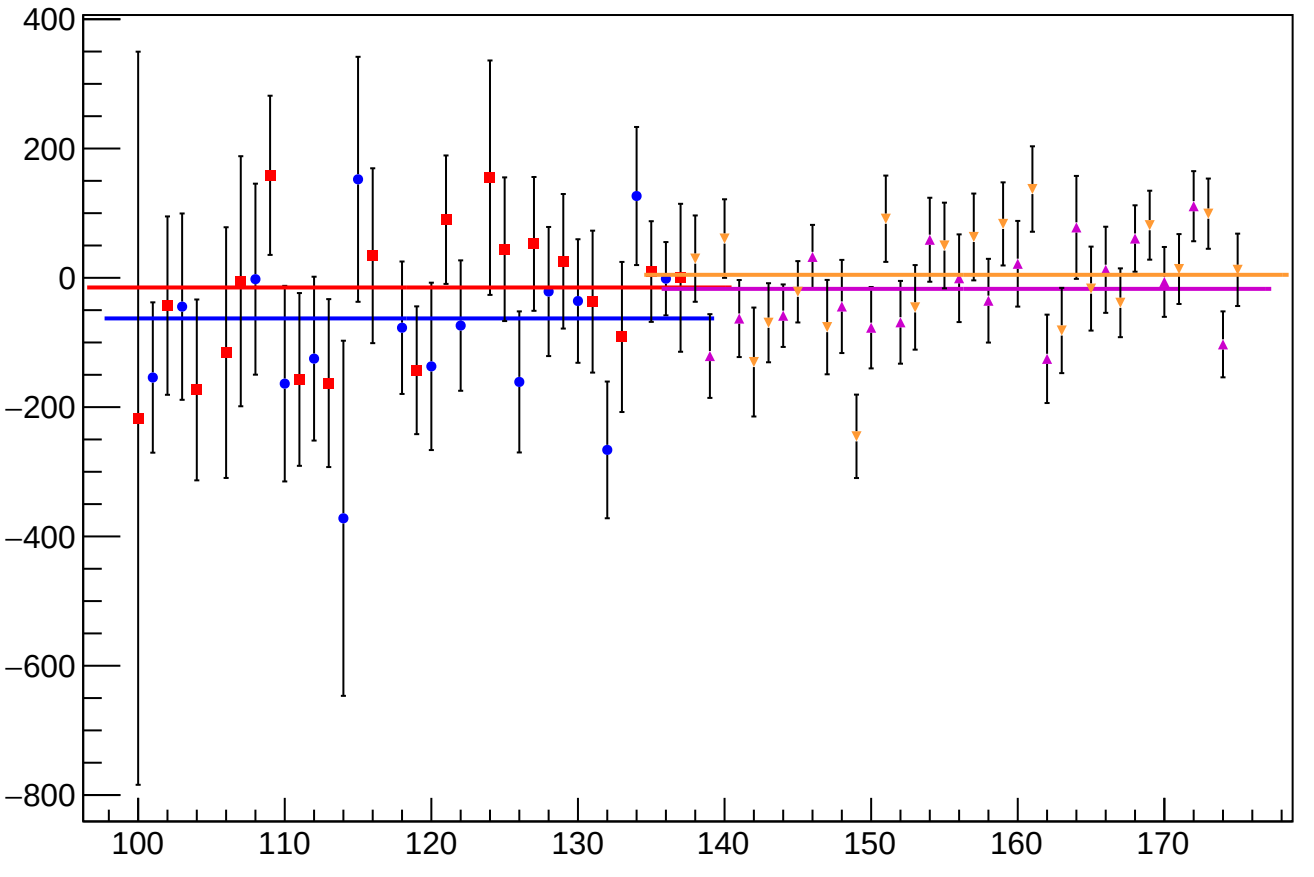
Left: 342.944+/-0.045 χ^2/NDF: 2541194.2/37

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 376.773+/-0.061 χ^2/NDF:5524942.5/33

Out: 378.592+/-0.060 χ^2/NDF:6436580.8/38

All: 377.697+/-0.043 χ^2/NDF: 11961977.7/72



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -17.084+/-14.130 χ^2/NDF:23.3/17

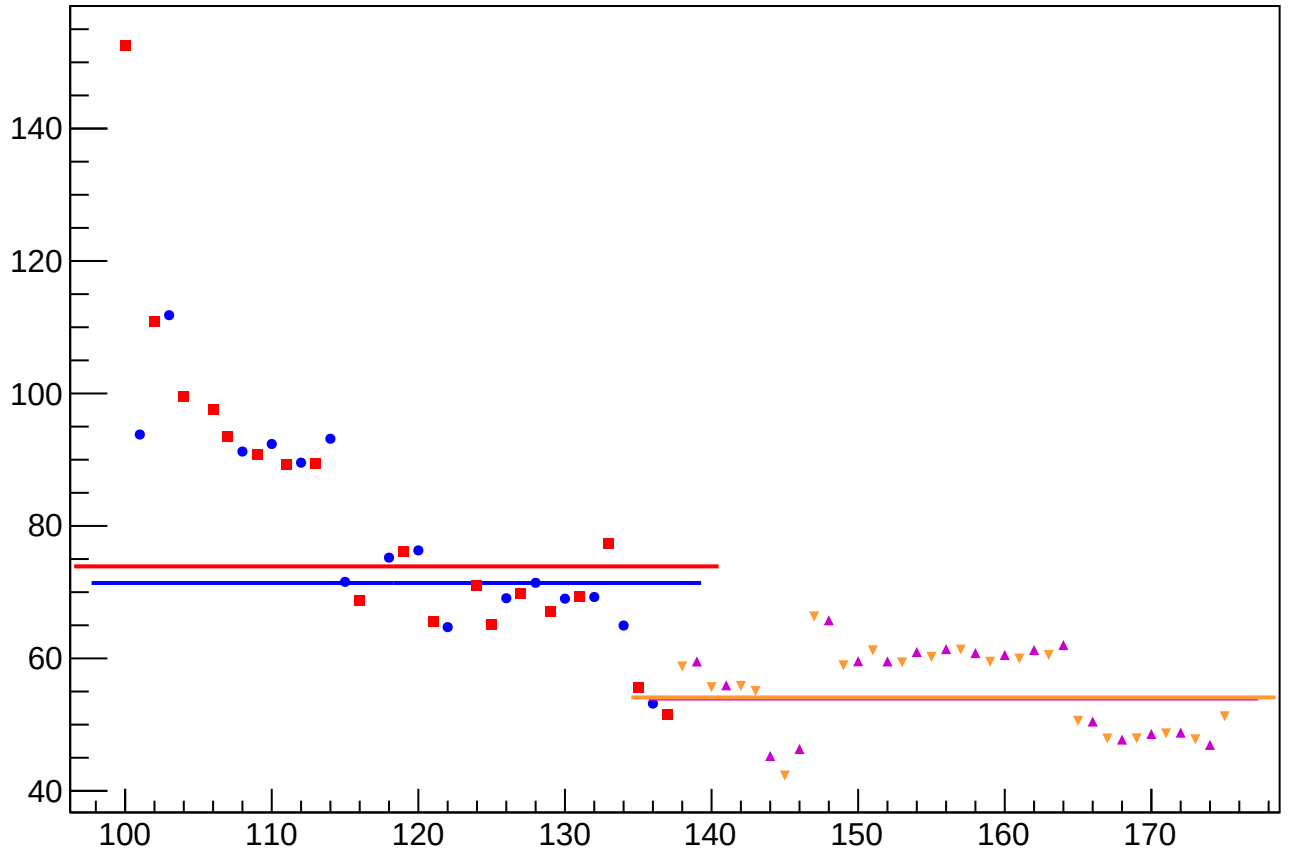
Left: -5.879+/-9.837 χ^2/NDF: 62.8/37

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -26.790+/-12.541 χ^2/NDF:39.0/33

Out: 0.824+/-12.288 χ^2/NDF:50.0/38

All: -12.703+/-8.777 χ^2/NDF: 91.5/72



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

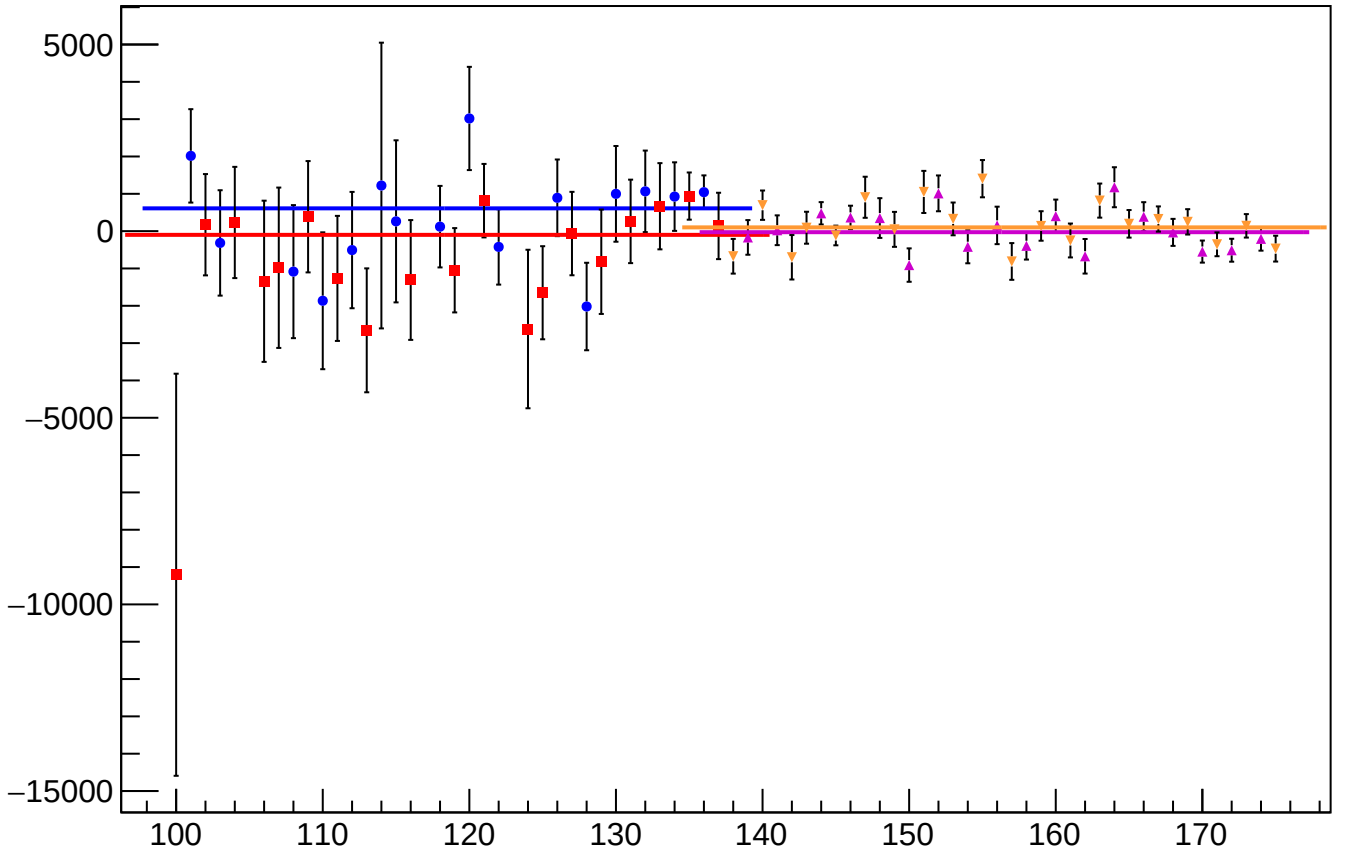
Left: 54.028+/-0.007 χ^2/NDF: 897965.2/37

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.647+/-0.009 χ^2/NDF:1695179.5/33

Out: 57.978+/-0.009 χ^2/NDF:1883553.4/38

All: 57.816+/-0.006 χ^2/NDF: 3579444.5/72



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -28.061+/-90.901 χ^2/NDF:30.5/17

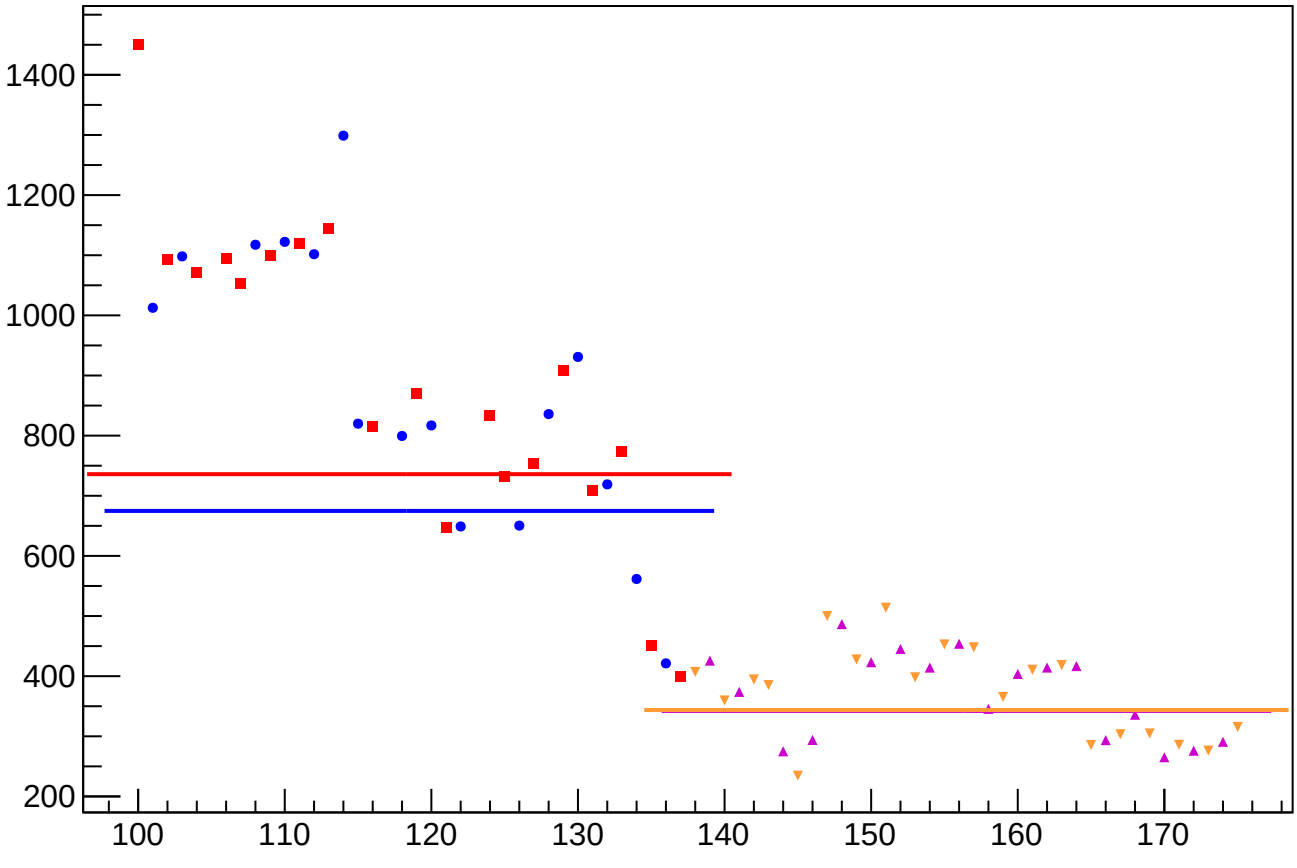
Left: 37.984+/-63.467 χ^2/NDF: 63.1/37

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 38.358+/-86.044 χ^2/NDF:51.3/33

Out: 83.110+/-84.649 χ^2/NDF:47.2/38

All: 61.100+/-60.343 χ^2/NDF: 98.6/72



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

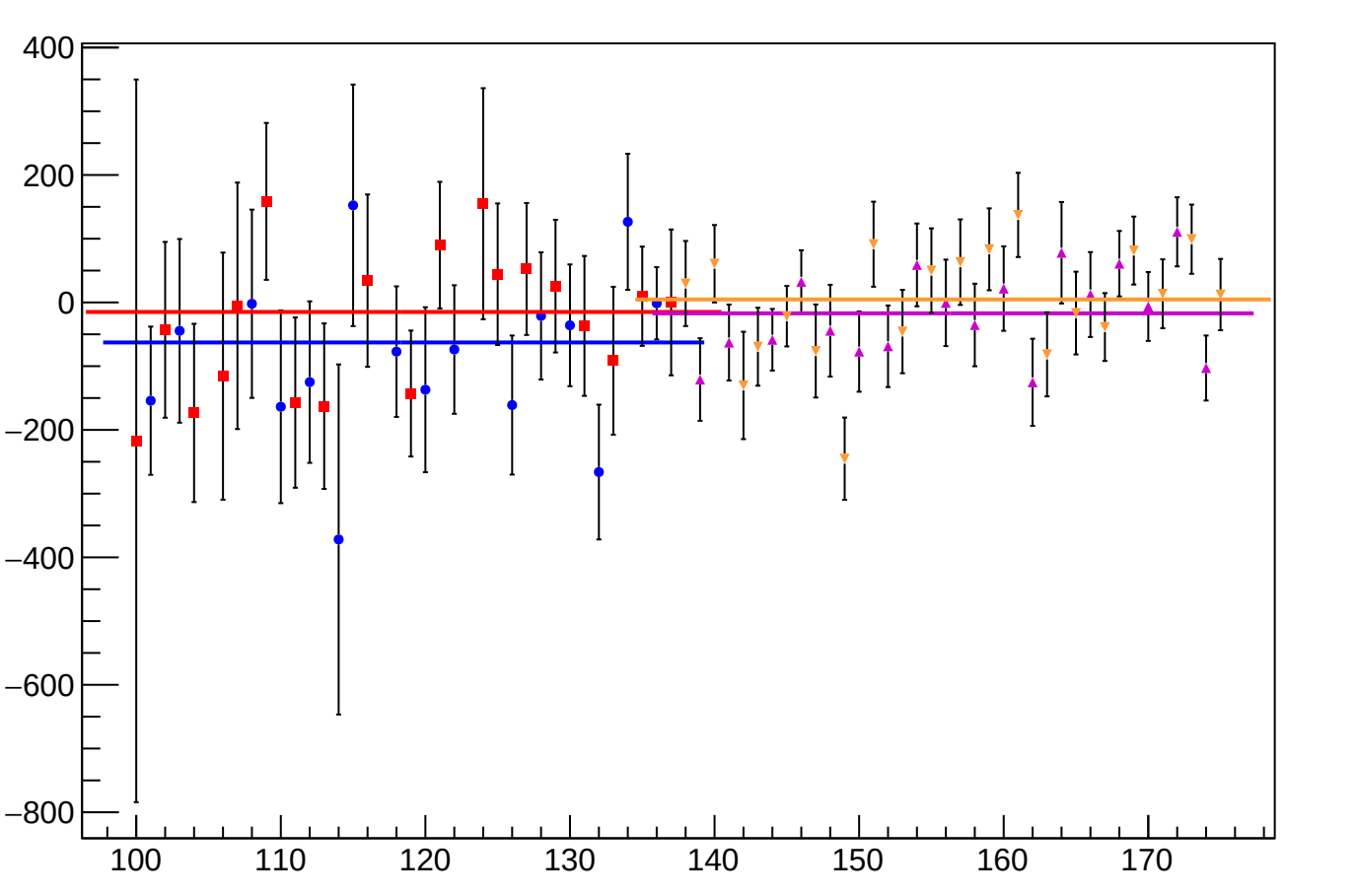
Left: 342.944+/-0.045 χ^2/NDF: 2541202.8/37

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 376.773+/-0.061 χ^2/NDF:5524973.6/33

Out: 378.321+/-0.060 χ^2/NDF:6374177.6/38

All: 377.559+/-0.043 χ^2/NDF: 11899480.2/72



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -17.084+/-14.130 χ^2/NDF:23.3/17

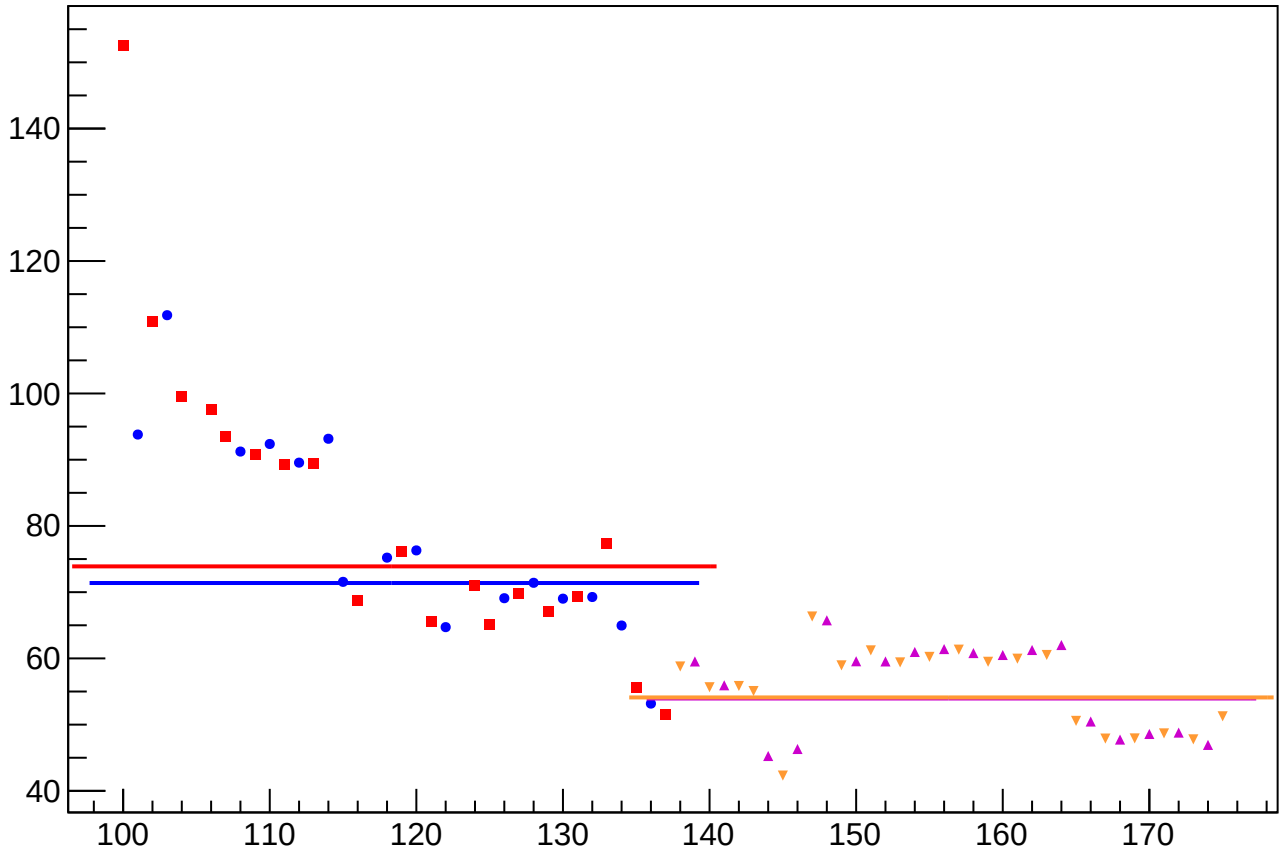
Left: -5.879+/-9.837 χ^2/NDF: 62.8/37

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -26.790+/-12.541 χ^2/NDF:39.0/33

Out: 0.824+/-12.288 χ^2/NDF:50.0/38

All: -12.703+/-8.777 χ^2/NDF: 91.5/72



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

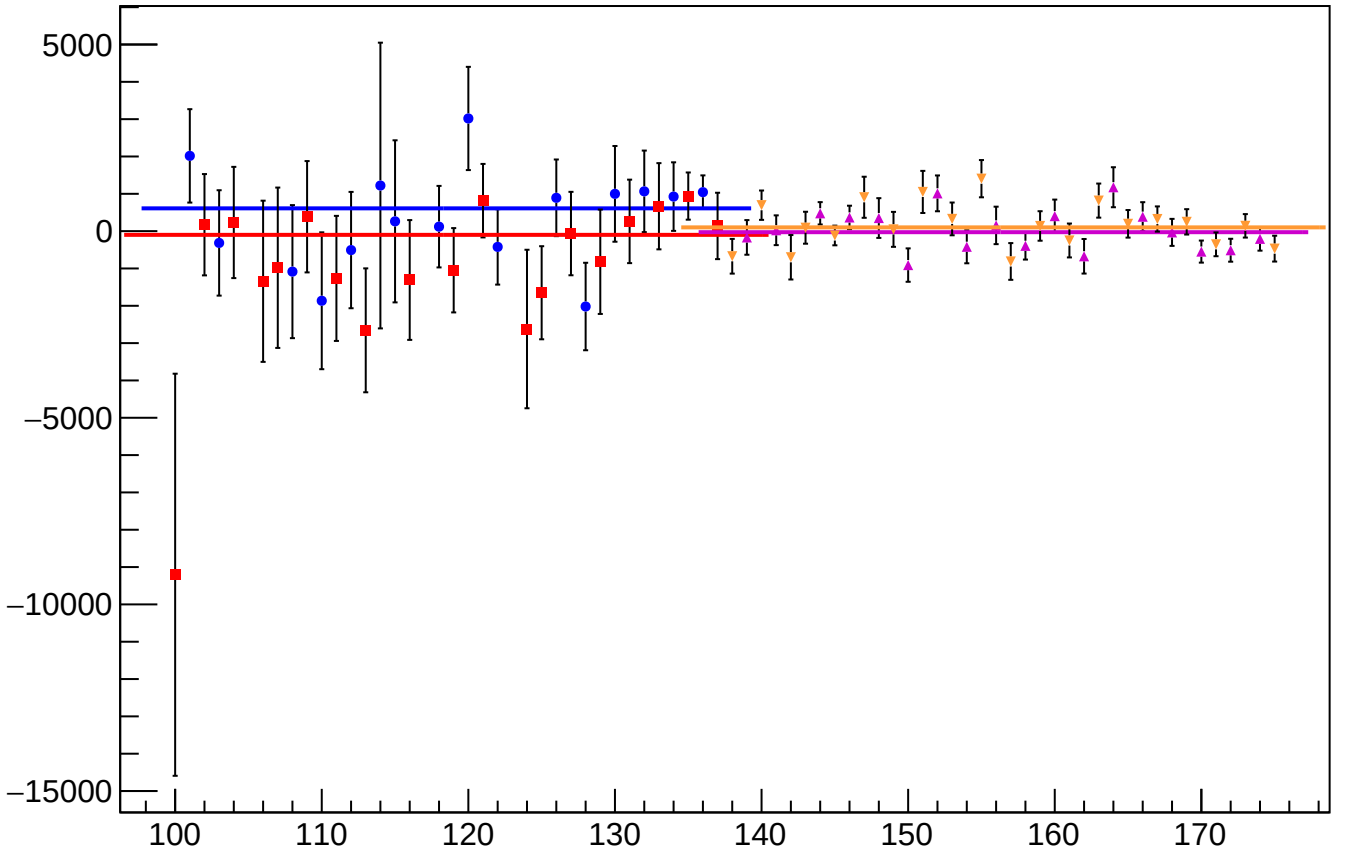
Left: 54.028+/-0.007 χ^2/NDF: 897965.2/37

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.647+/-0.009 χ^2/NDF:1695179.5/33

Out: 57.978+/-0.009 χ^2/NDF:1883553.4/38

All: 57.816+/-0.006 χ^2/NDF: 3579444.5/72



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -28.061+/-90.901 χ^2/NDF:30.5/17

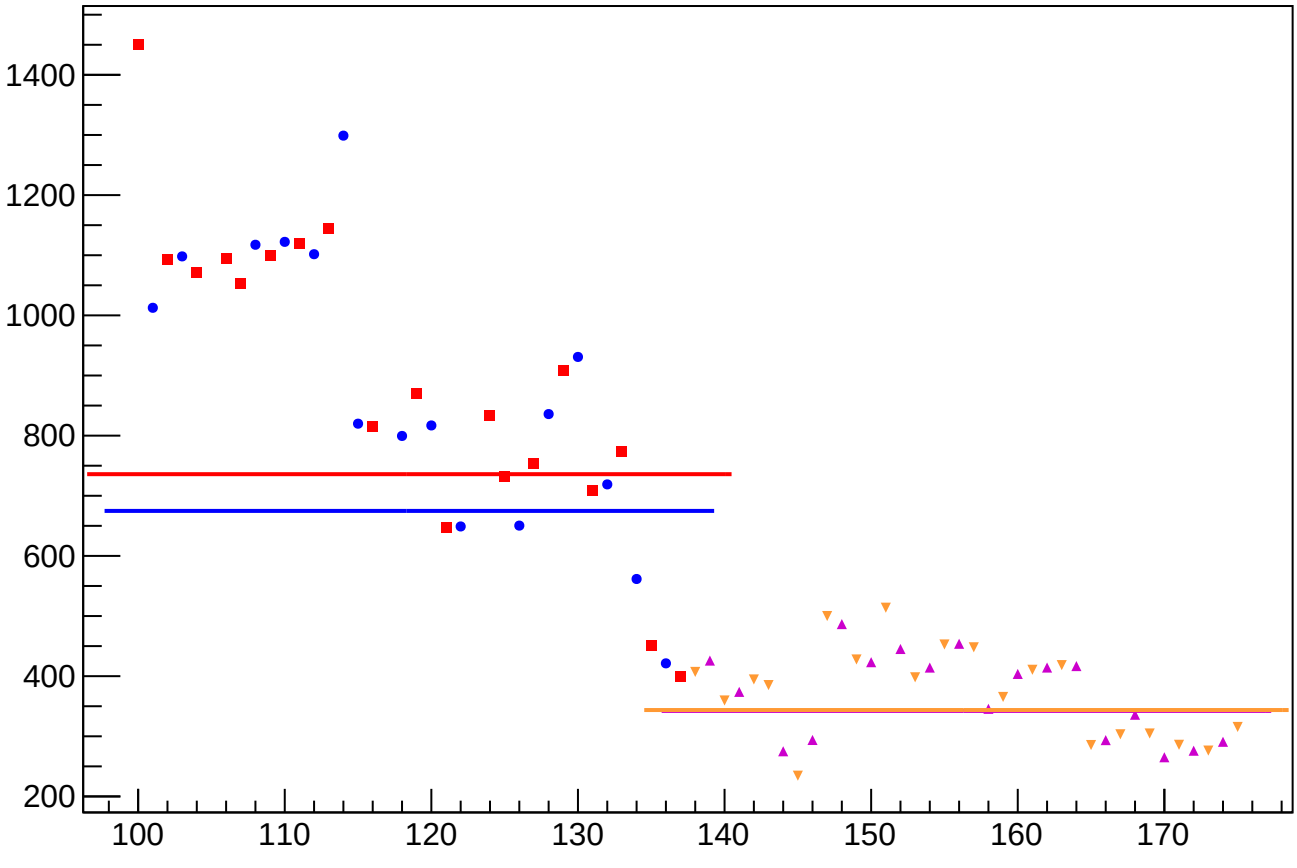
Left: 37.984+/-63.467 χ^2/NDF: 63.1/37

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 38.358+/-86.044 χ^2/NDF:51.3/33

Out: 83.110+/-84.649 χ^2/NDF:47.2/38

All: 61.100+/-60.343 χ^2/NDF: 98.6/72



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

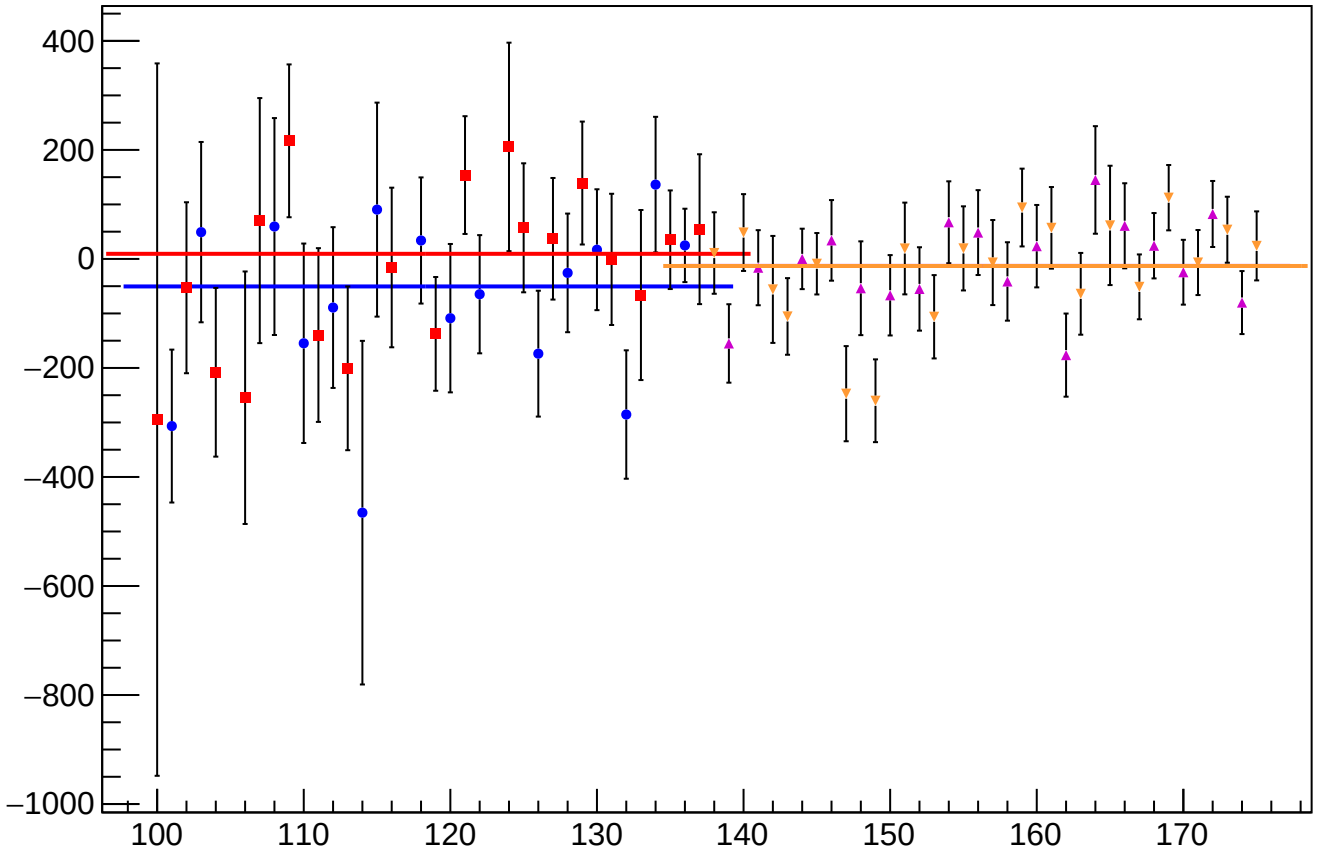
Left: 342.944+/-0.045 χ^2/NDF: 2541202.8/37

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 376.773+/-0.061 χ^2/NDF:5524973.6/33

Out: 378.321+/-0.060 χ^2/NDF:6374177.6/38

All: 377.559+/-0.043 χ^2/NDF: 11899480.2/72



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.934+/-15.909 χ^2/NDF:32.8/19

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -12.805+/-16.474 χ^2/NDF:19.9/17

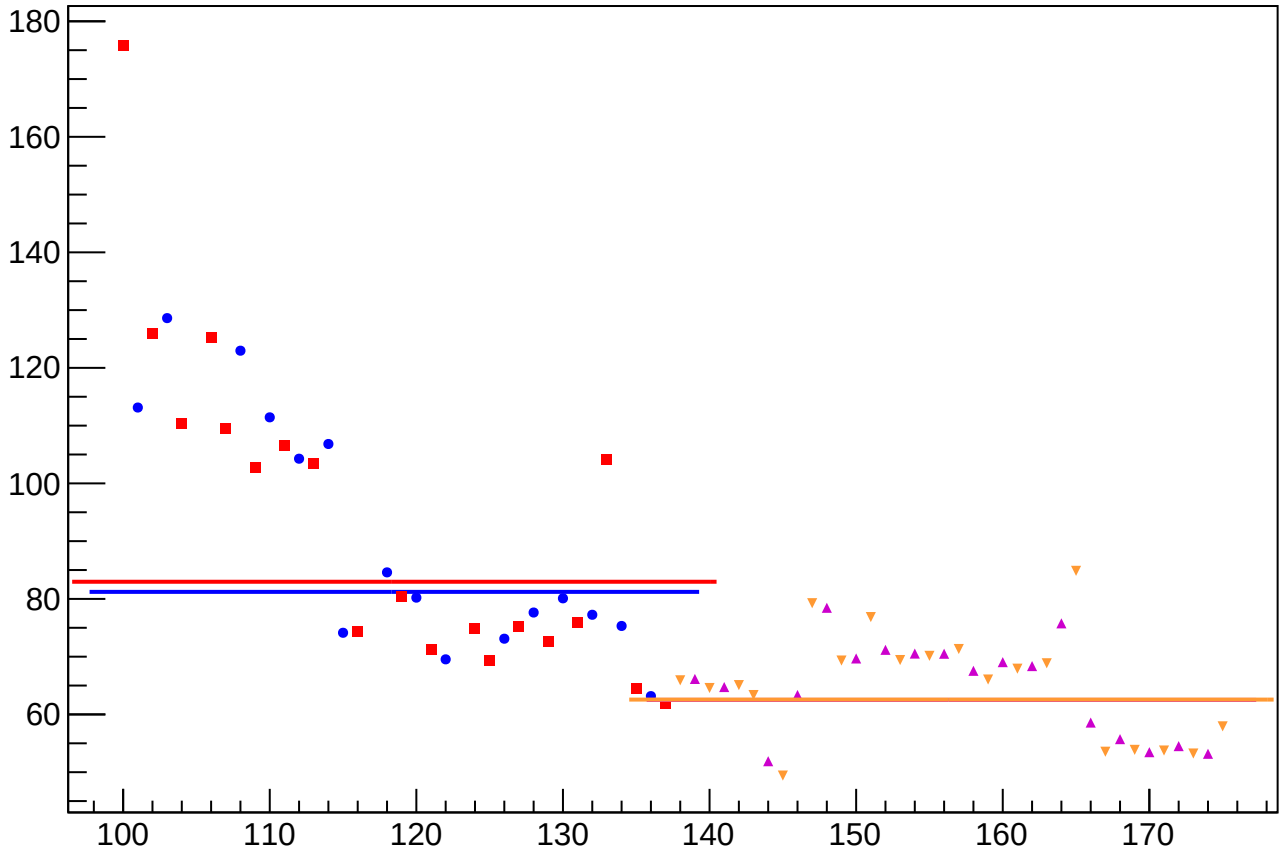
Left: -12.872+/-11.444 χ^2/NDF: 52.7/37

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.073+/-14.554 χ^2/NDF:37.4/33

Out: -8.338+/-14.176 χ^2/NDF:48.8/38

All: -14.538+/-10.155 χ^2/NDF: 86.6/72



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.569+/-0.011 χ^2/NDF:625360.2/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.513+/-0.012 χ^2/NDF:474752.0/17

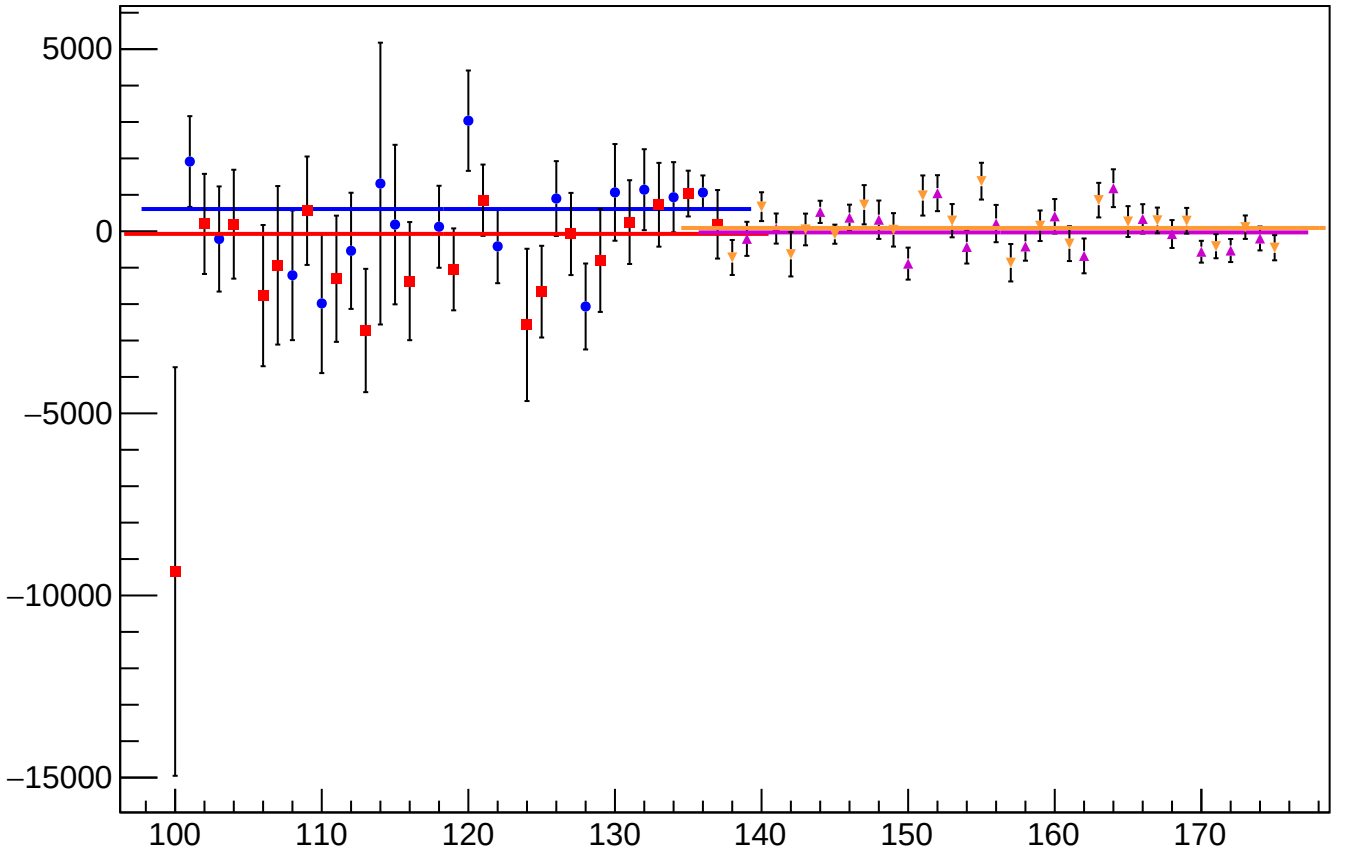
Left: 62.542+/-0.008 χ^2/NDF: 1100124.2/37

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.620+/-0.010 χ^2/NDF:1703675.5/33

Out: 66.771+/-0.010 χ^2/NDF:2033268.1/38

All: 66.697+/-0.007 χ^2/NDF: 3737055.4/72



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -31.176+/-94.096 χ^2/NDF:30.7/17

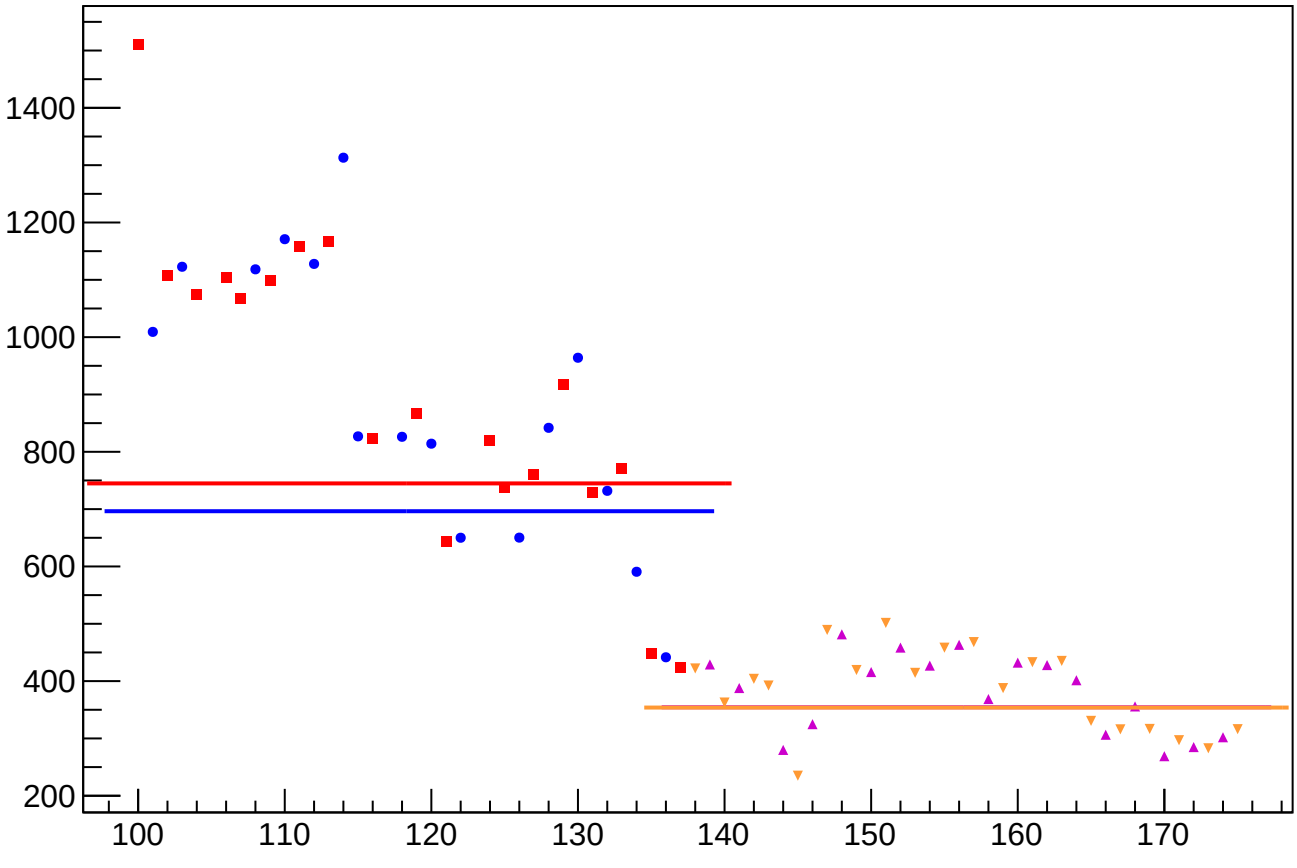
Left: 31.729+/-65.437 χ^2/NDF: 61.7/37

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 36.512+/-88.994 χ^2/NDF:51.5/33

Out: 75.721+/-86.792 χ^2/NDF:46.5/38

All: 56.608+/-62.135 χ^2/NDF: 98.1/72



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.861+/-0.064 χ^2/NDF:1370577.3/19

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 354.379+/-0.067 χ^2/NDF:1040946.1/17

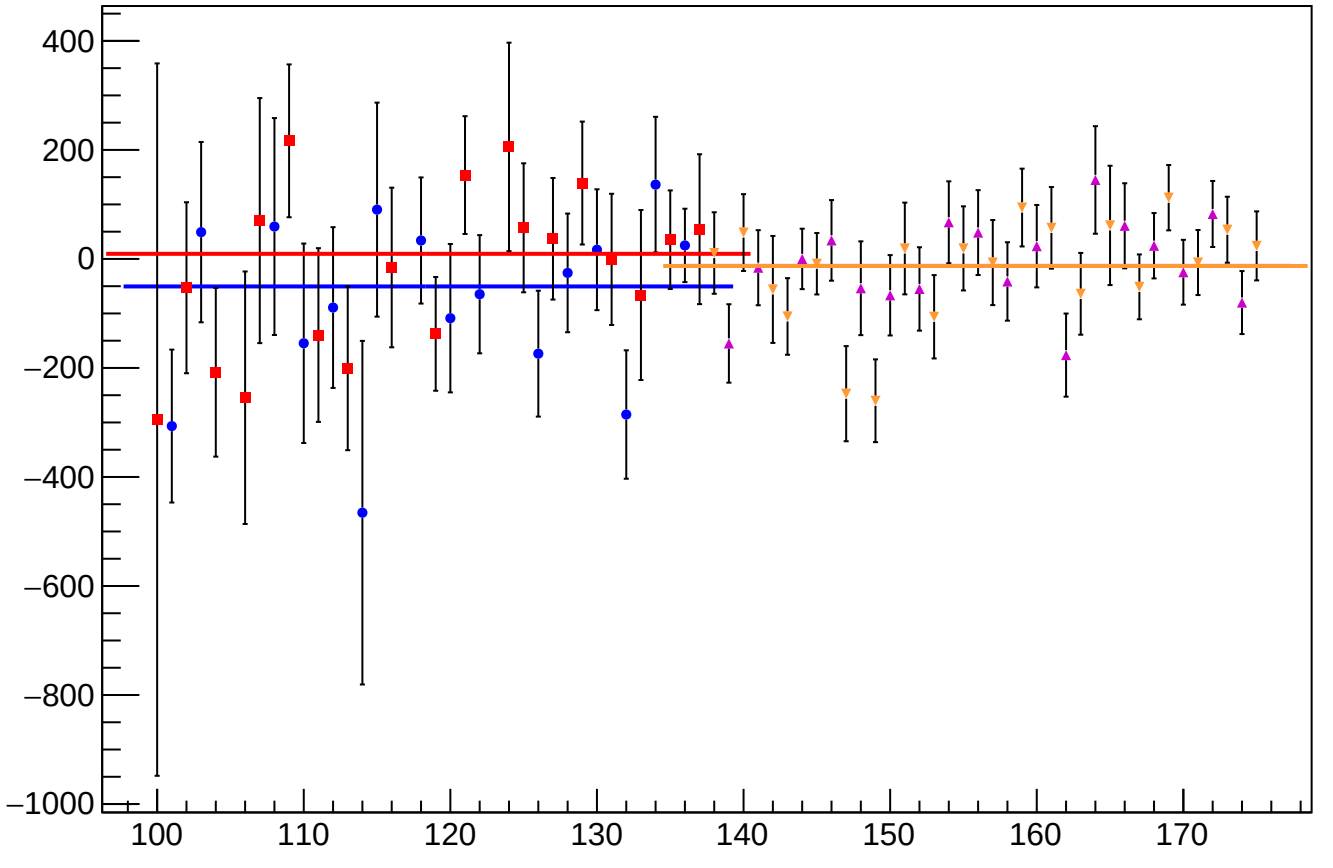
Left: 354.112+/-0.046 χ^2/NDF: 2411554.7/37

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 390.462+/-0.063 χ^2/NDF:5343790.3/33

Out: 389.663+/-0.061 χ^2/NDF:6245381.6/38

All: 390.052+/-0.044 χ^2/NDF: 11589254.5/72



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.933+/-15.909 χ^2/NDF:32.8/19

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -12.804+/-16.474 χ^2/NDF:19.9/17

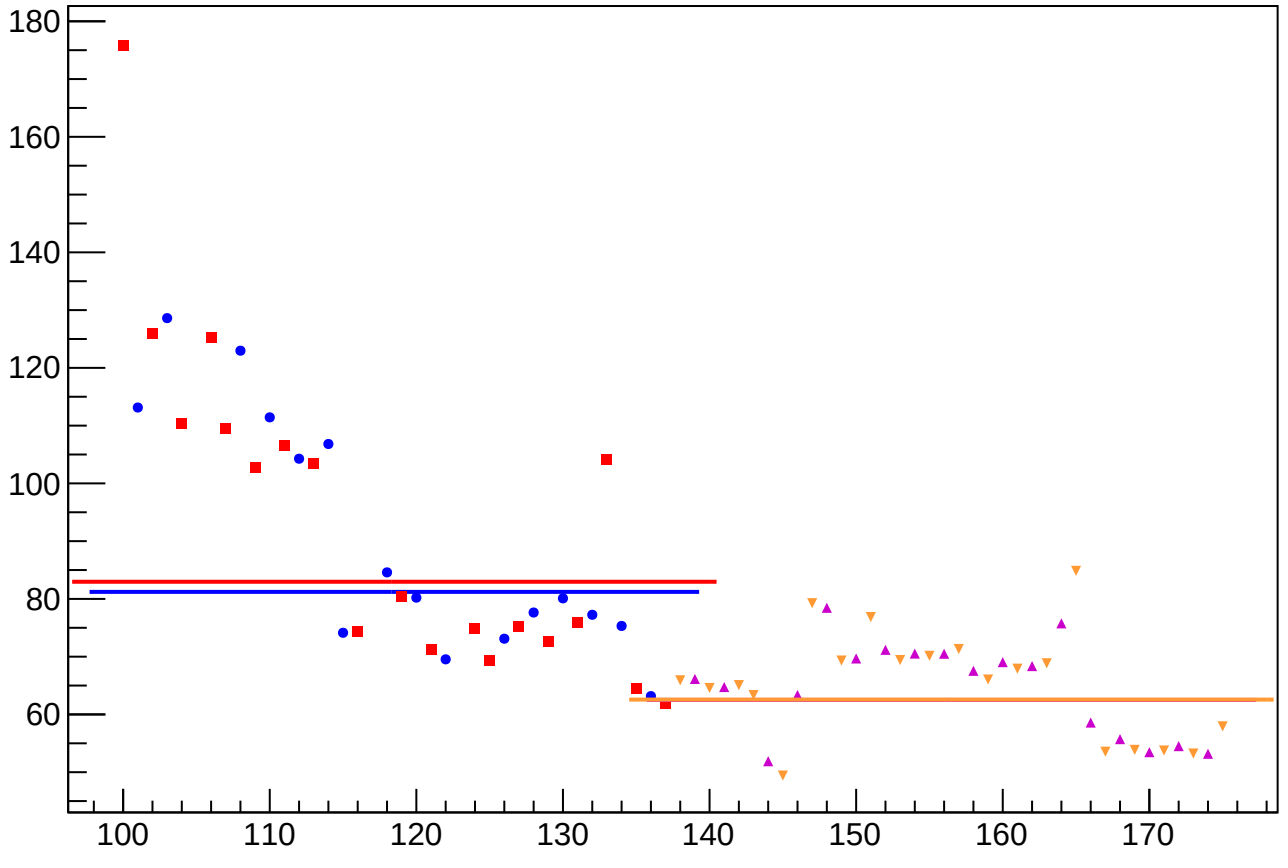
Left: -12.871+/-11.444 χ^2/NDF: 52.7/37

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.073+/-14.554 χ^2/NDF:37.4/33

Out: -8.337+/-14.176 χ^2/NDF:48.8/38

All: -14.537+/-10.155 χ^2/NDF: 86.6/72



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.569+/-0.011 χ^2/NDF:625357.0/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.513+/-0.012 χ^2/NDF:474742.3/17

Left: 62.542+/-0.008 χ^2/NDF: 1100111.2/37

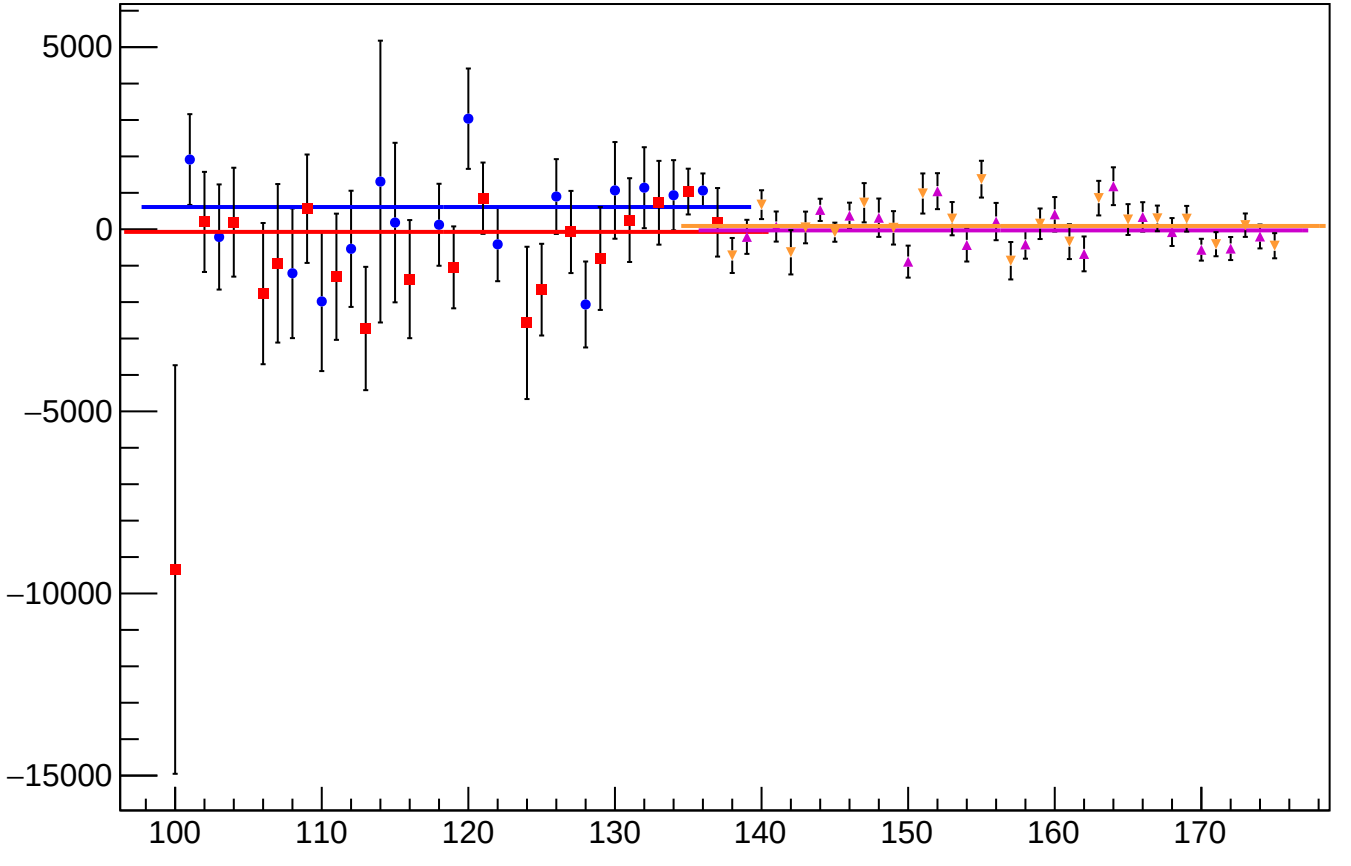
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.620+/-0.010 χ^2/NDF:1703618.2/33

Out: 66.771+/-0.010 χ^2/NDF:2033230.8/38

All: 66.698+/-0.007 χ^2/NDF: 3736960.7/72

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -31.176+/-94.097 χ^2/NDF:30.7/17

Left: 31.729+/-65.437 χ^2/NDF: 61.7/37

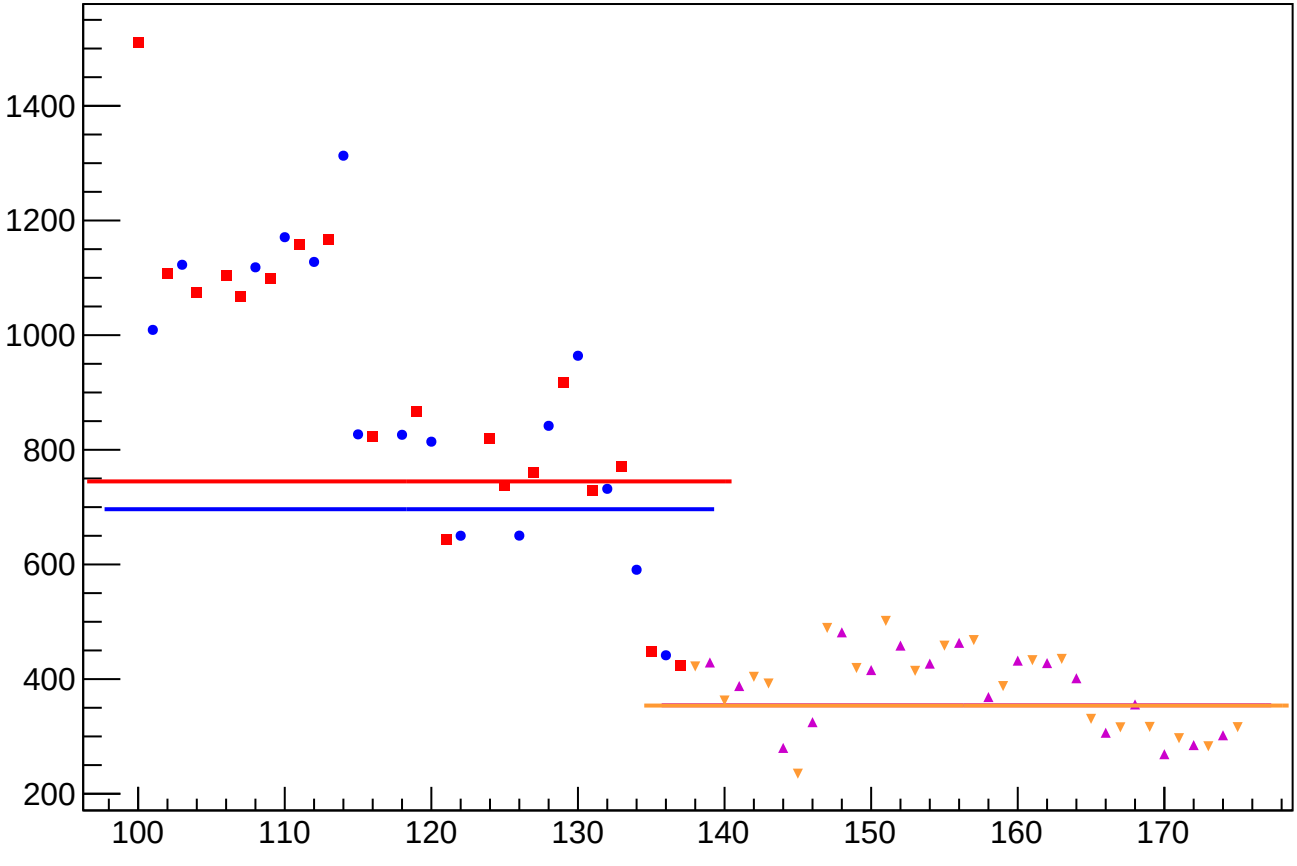
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 36.513+/-88.994 χ^2/NDF:51.5/33

Out: 75.721+/-86.792 χ^2/NDF:46.5/38

All: 56.608+/-62.135 χ^2/NDF: 98.1/72

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.862+/-0.064 χ^2/NDF:1370591.1/19

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 354.380+/-0.067 χ^2/NDF:1040949.0/17

Left: 354.112+/-0.046 χ^2/NDF: 2411571.4/37

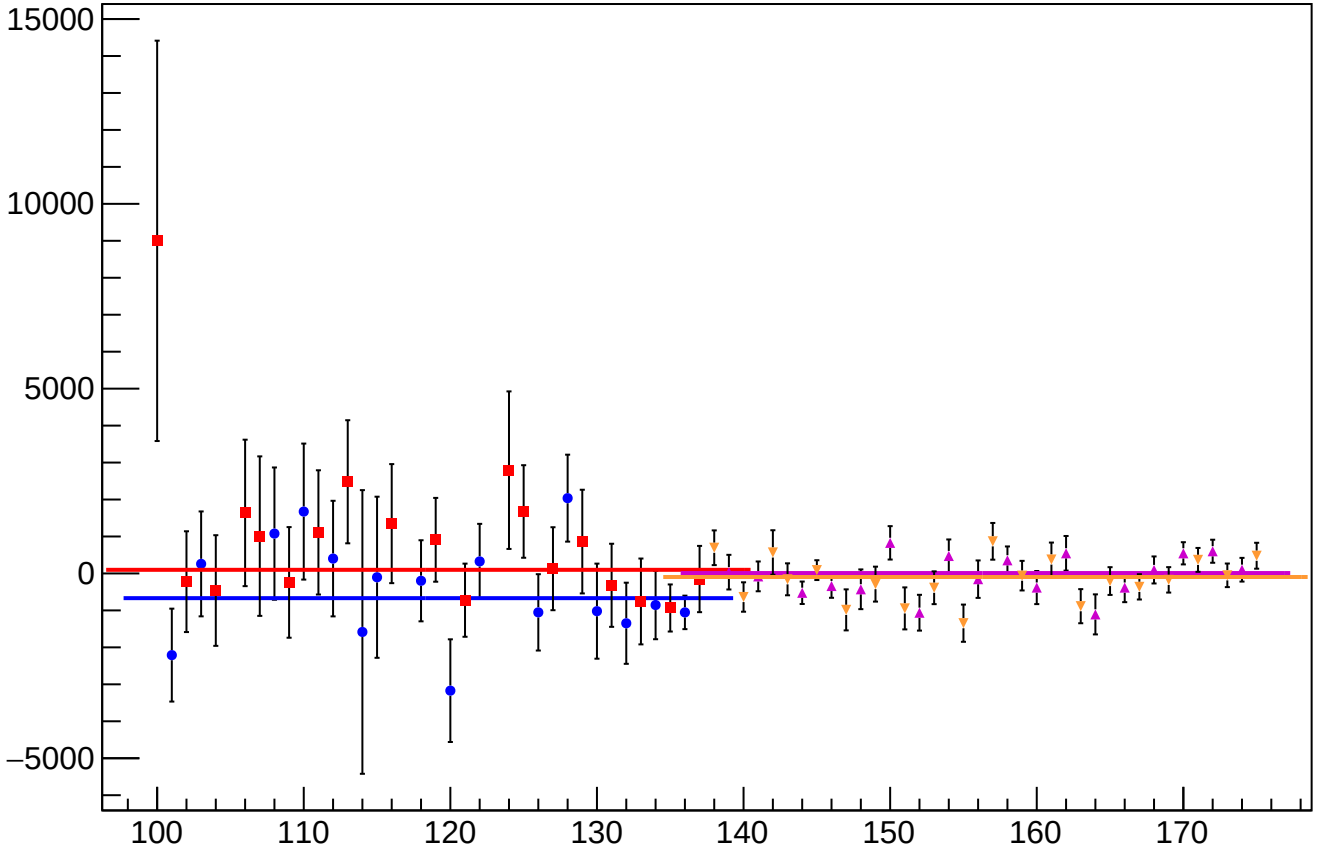
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 390.462+/-0.063 χ^2/NDF:5343764.2/33

Out: 389.663+/-0.061 χ^2/NDF:6245372.2/38

All: 390.053+/-0.044 χ^2/NDF: 11589218.9/72

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -96.277+/-89.769 χ^2/NDF:31.3/19

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 10.794+/-92.062 χ^2/NDF:29.4/17

Left: -44.091+/-64.272 χ^2/NDF: 61.4/37

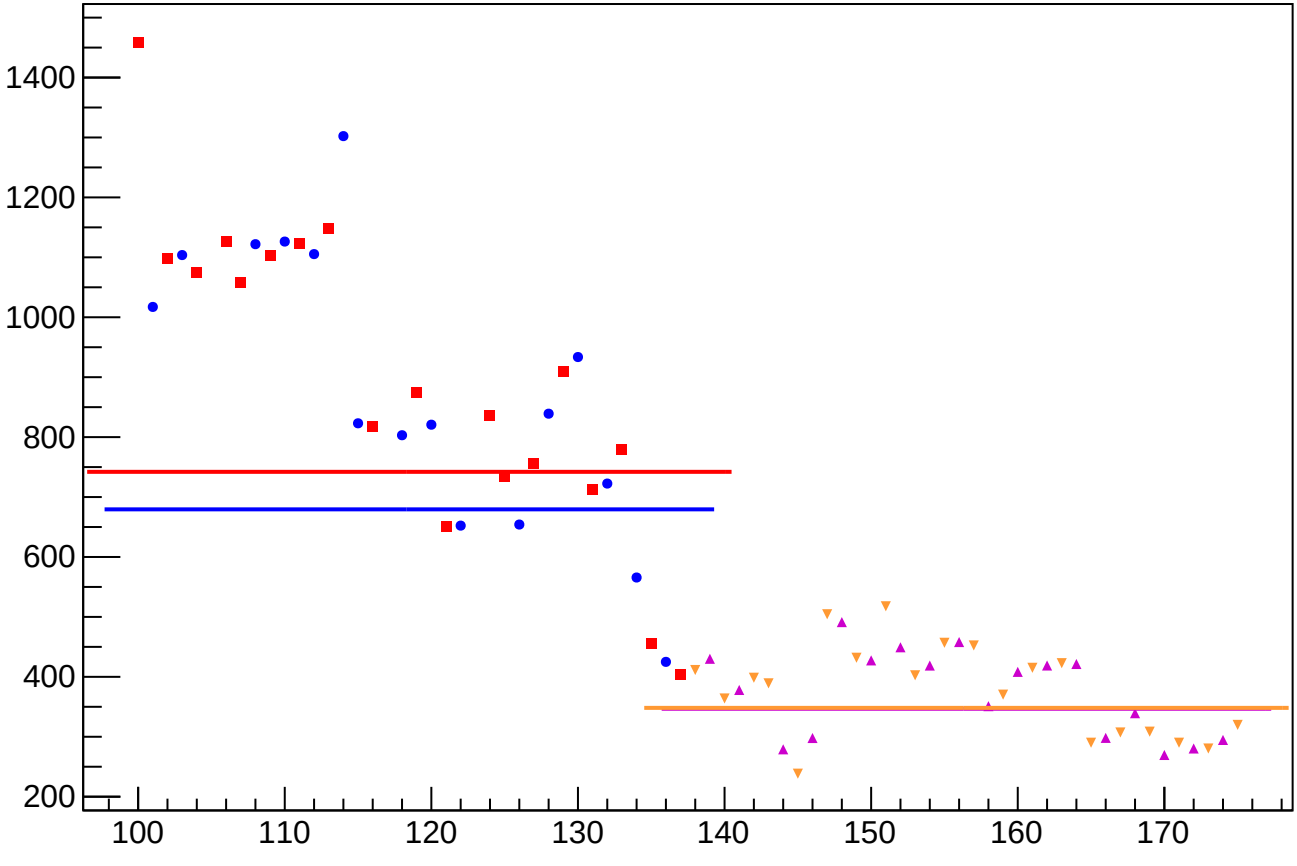
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -60.688+/-87.083 χ^2/NDF:51.3/33

Out: -78.839+/-85.646 χ^2/NDF:46.5/38

All: -69.915+/-61.063 χ^2/NDF: 97.8/72

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.210+/-0.063 χ^2/NDF:1389305.0/19

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 346.725+/-0.065 χ^2/NDF:1098148.8/17

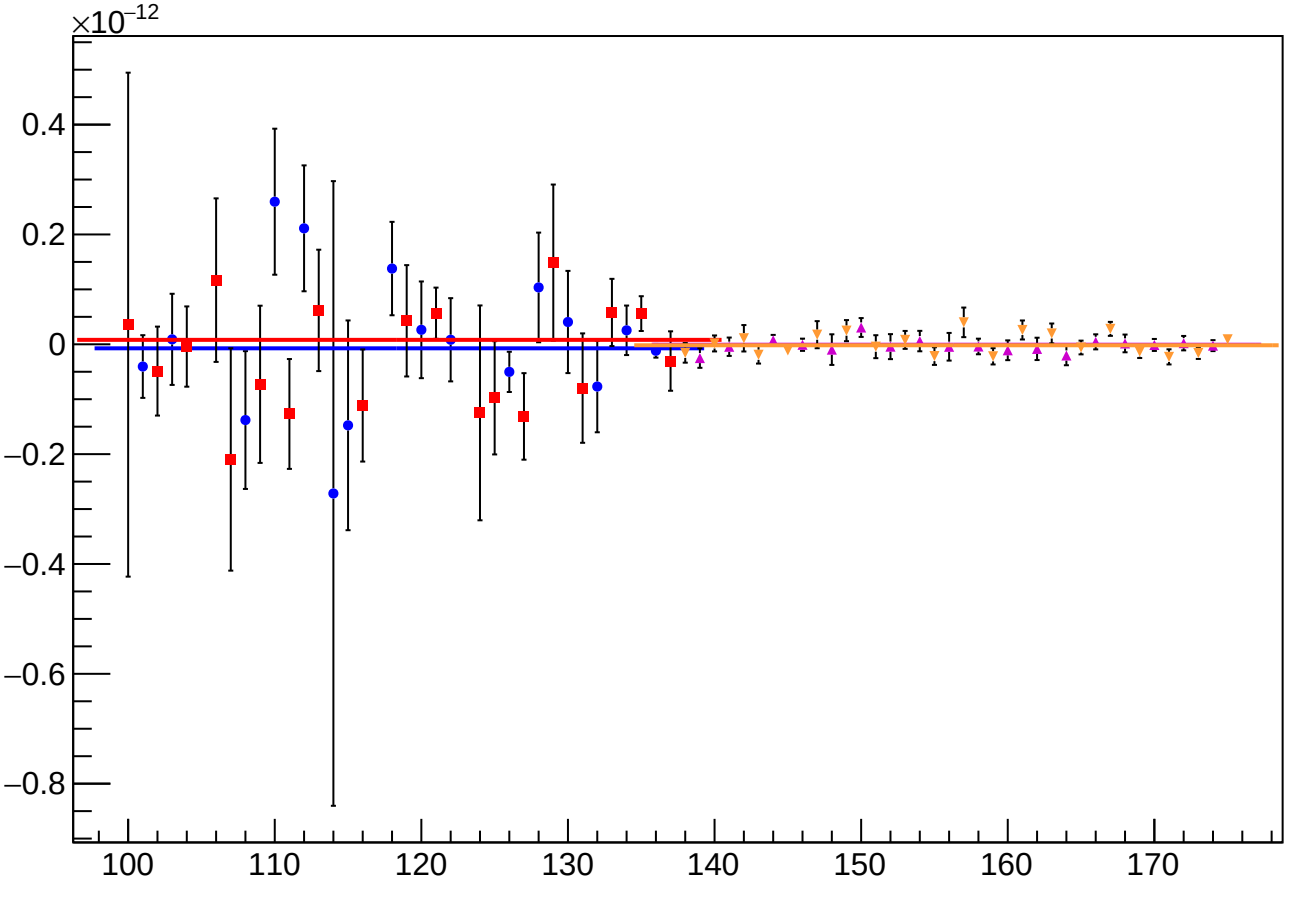
Left: 347.486+/-0.045 χ^2/NDF: 2487720.5/37

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 381.739+/-0.062 χ^2/NDF:5448401.2/33

Out: 383.561+/-0.061 χ^2/NDF:6349299.0/38

All: 382.665+/-0.043 χ^2/NDF: 11798145.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/17

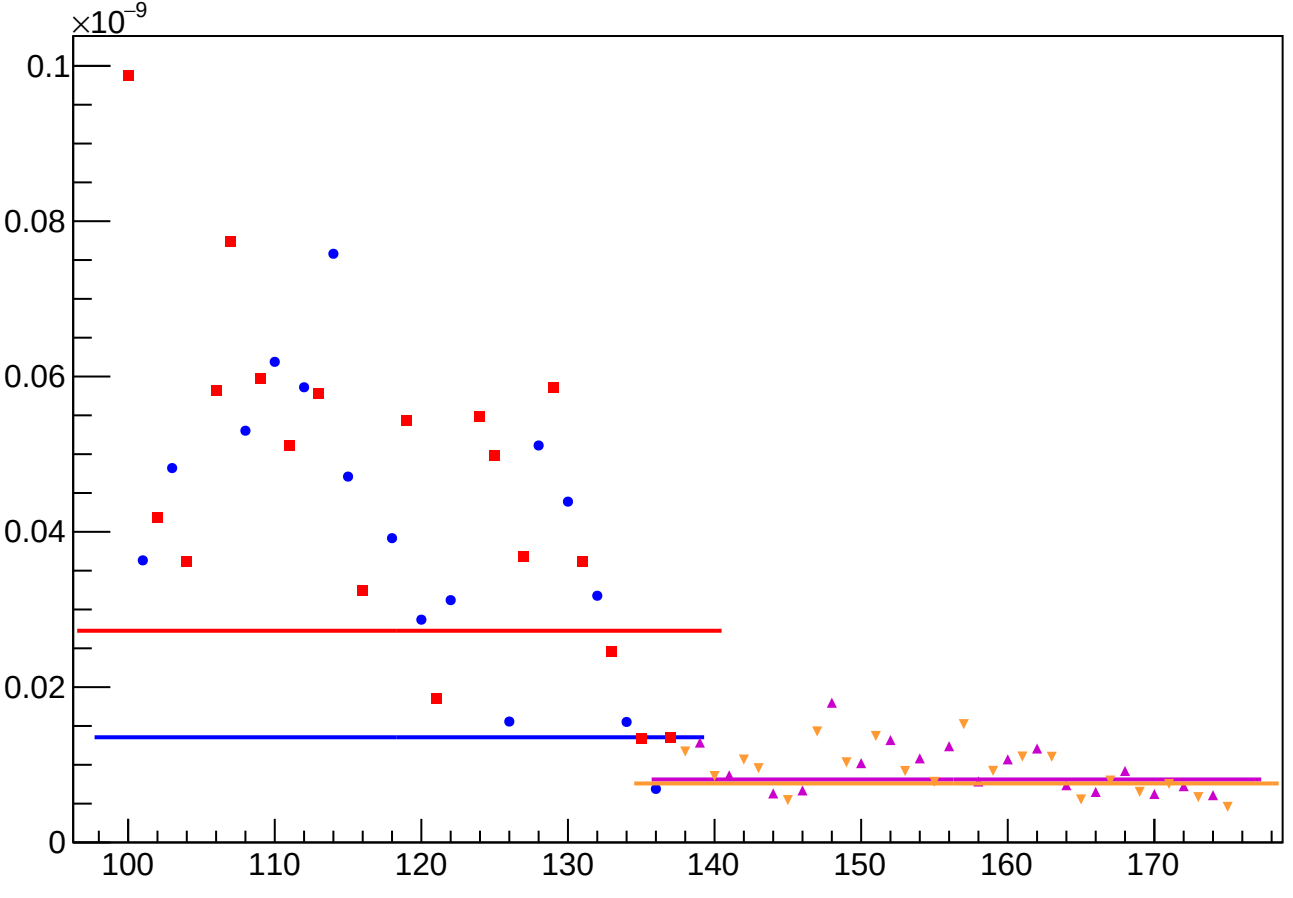
Left: -0.000+/-0.000 χ^2/NDF: 36.6/37

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/33

Out: -0.000+/-0.000 χ^2/NDF:45.7/38

All: -0.000+/-0.000 χ^2/NDF: 71.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1424814.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1031863.1/17

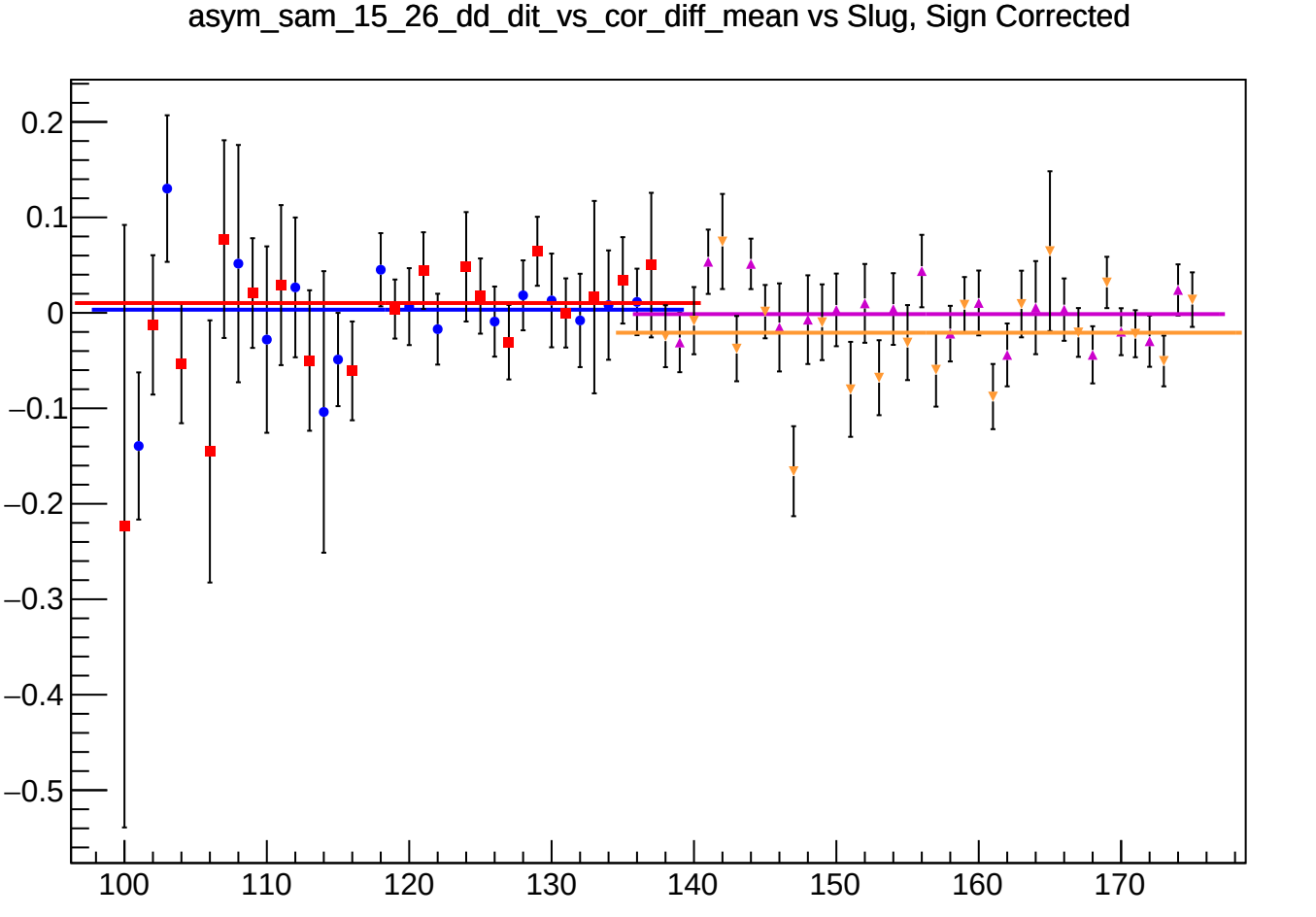
Left: 0.000+/-0.000 χ^2/NDF: 2481170.9/37

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4563540.7/33

Out: 0.000+/-0.000 χ^2/NDF:5658910.0/38

All: 0.000+/-0.000 χ^2/NDF: 10241189.6/72



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/17

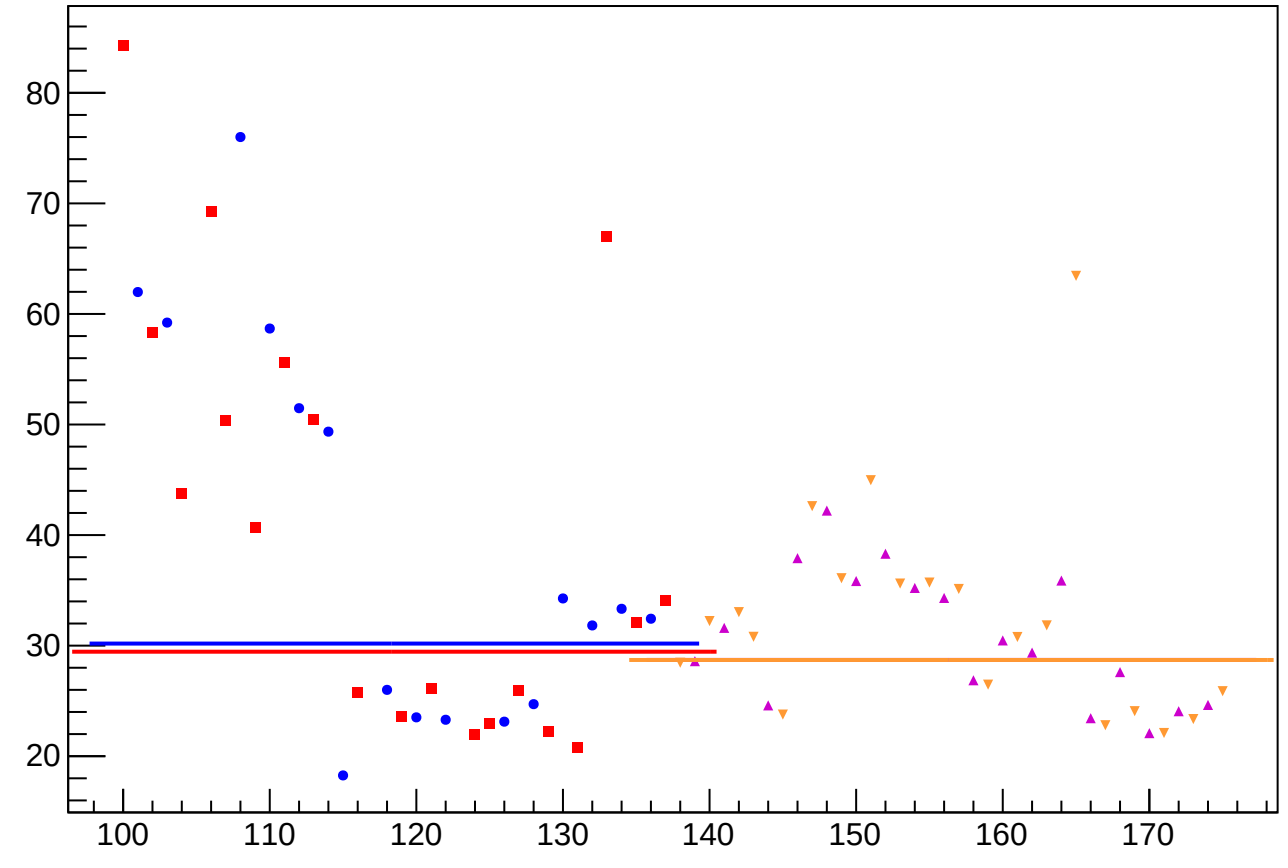
Left: -0.011+/-0.005 χ^2/NDF: 50.7/37

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.000+/-0.007 χ^2/NDF:26.3/33

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.005 χ^2/NDF: 75.6/72



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

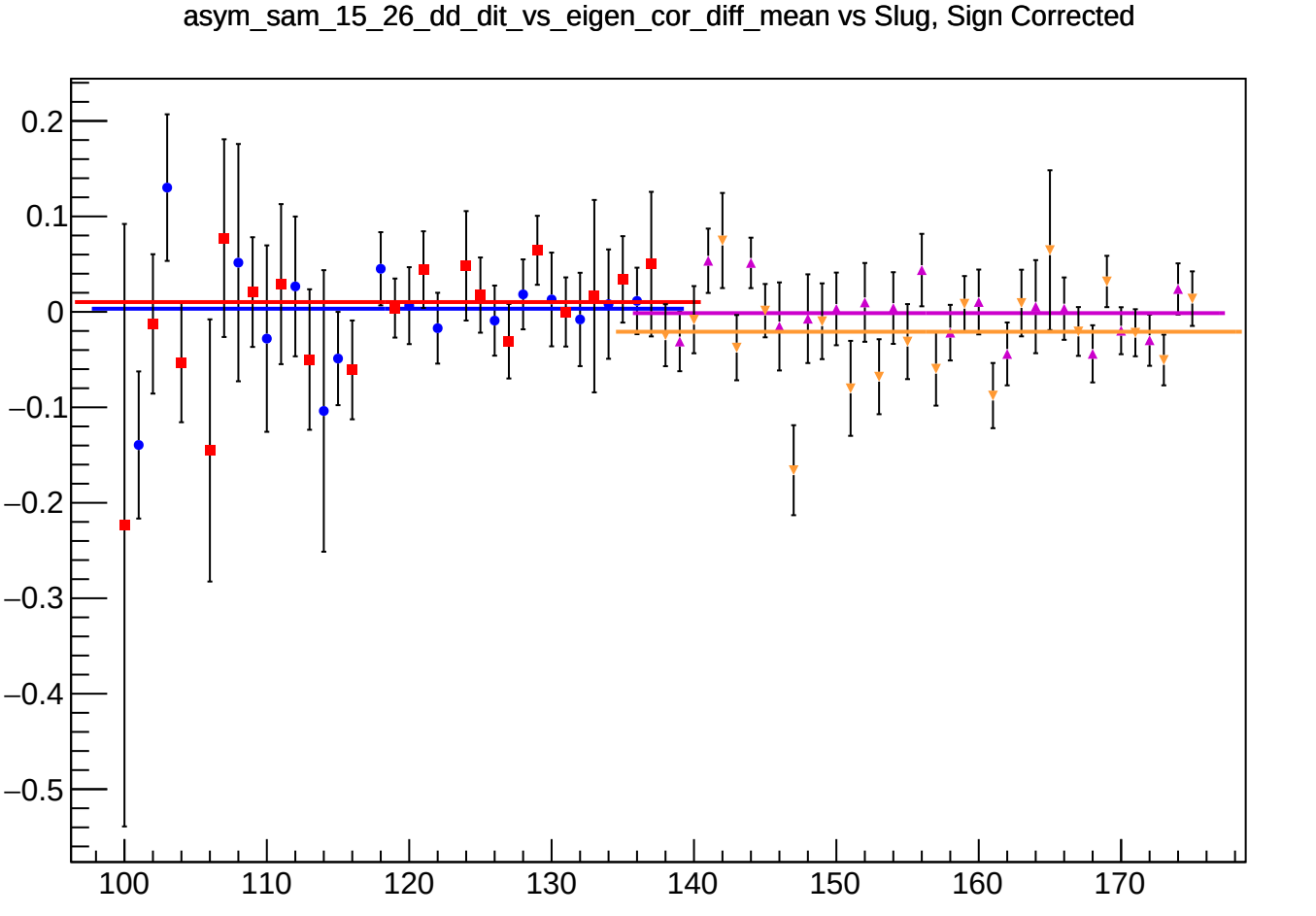
Left: 28.705+/-0.004 χ^2/NDF: 2490516.5/37

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.125+/-0.005 χ^2/NDF:2665656.1/33

Out: 28.916+/-0.004 χ^2/NDF:3387424.7/38

All: 29.017+/-0.003 χ^2/NDF: 6054140.8/72



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/17

Left: -0.011+/-0.005 χ^2/NDF: 50.7/37

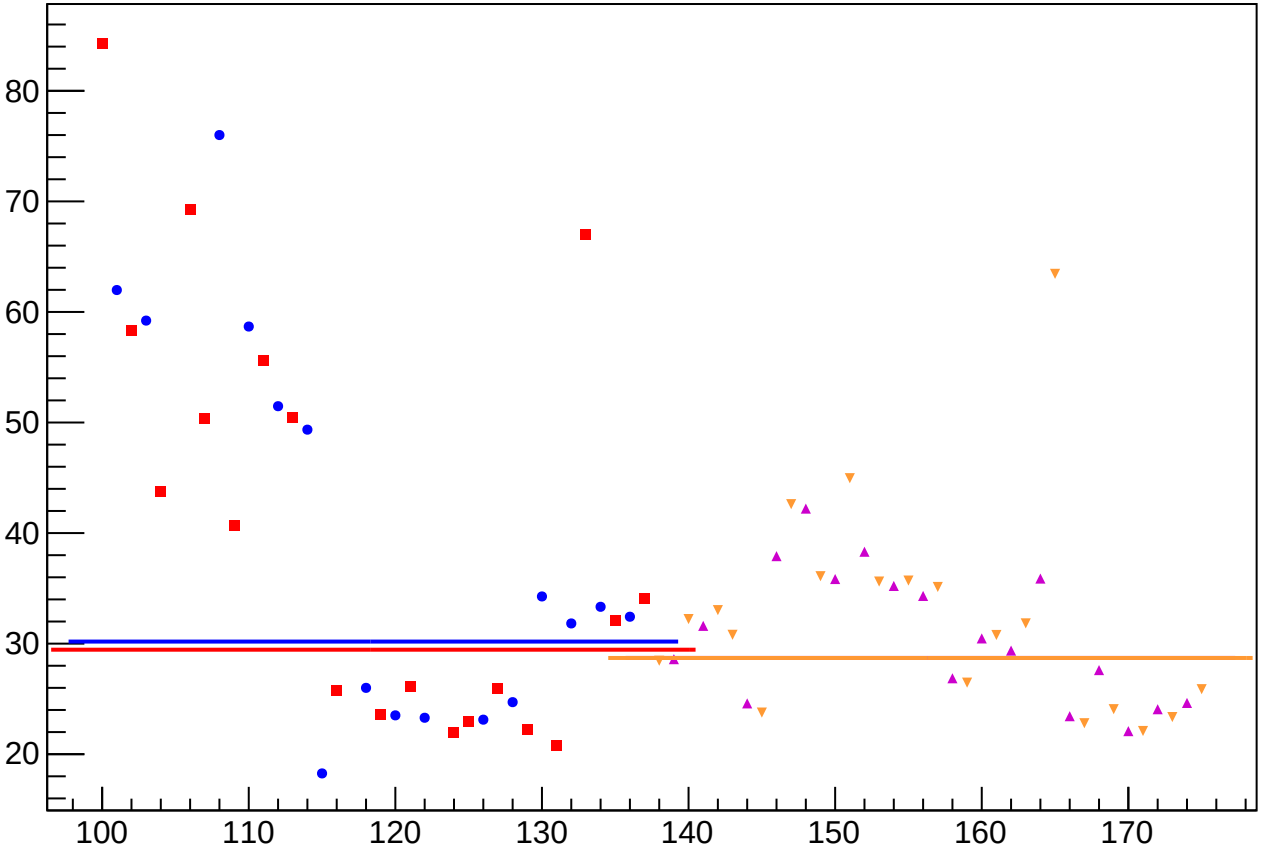
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.000+/-0.007 χ^2/NDF:26.3/33

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.005 χ^2/NDF: 75.6/72

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

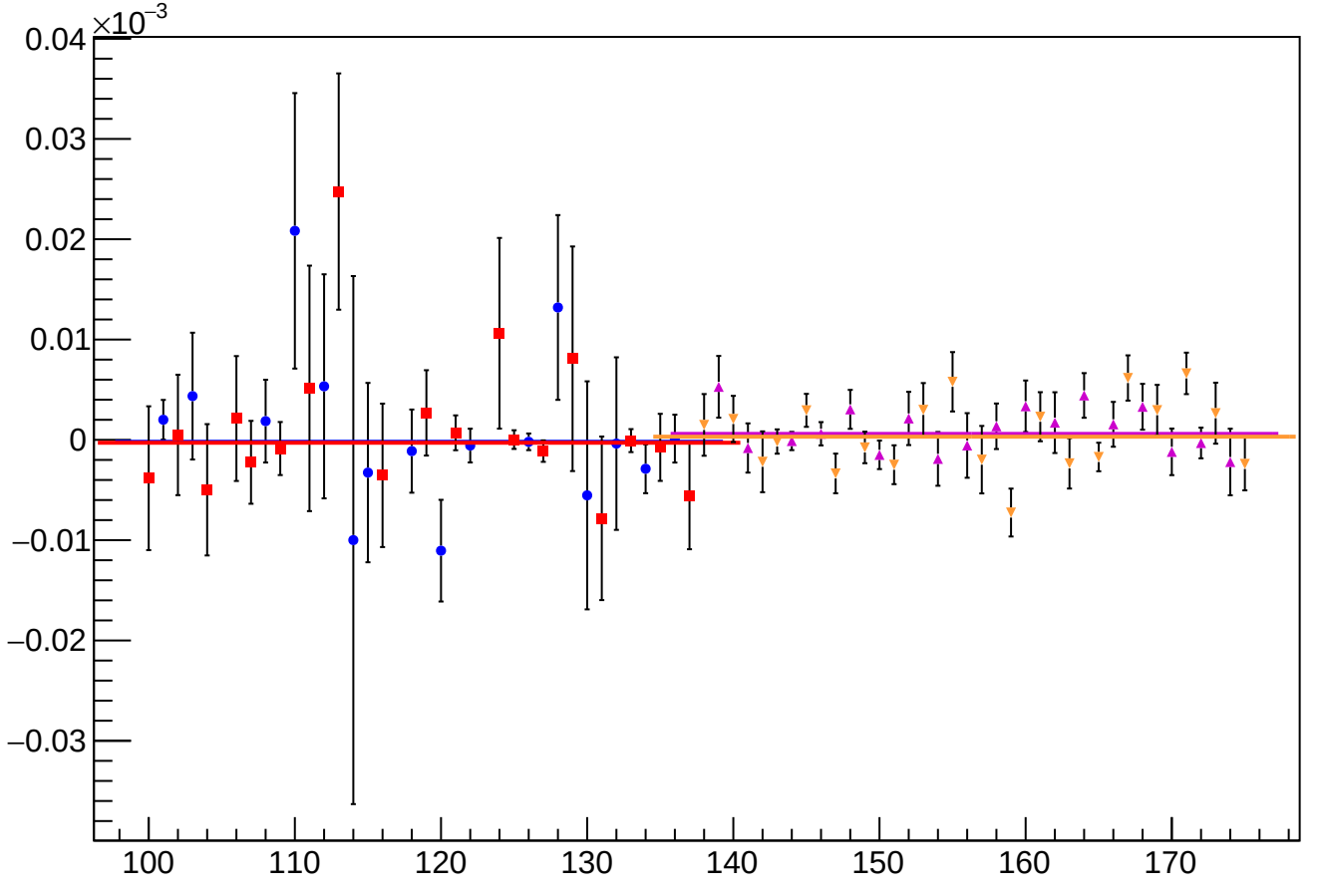
Left: 28.705+/-0.004 χ^2/NDF: 2490516.5/37

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.125+/-0.005 χ^2/NDF:2665656.1/33

Out: 28.916+/-0.004 χ^2/NDF:3387424.7/38

All: 29.017+/-0.003 χ^2/NDF: 6054140.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/17

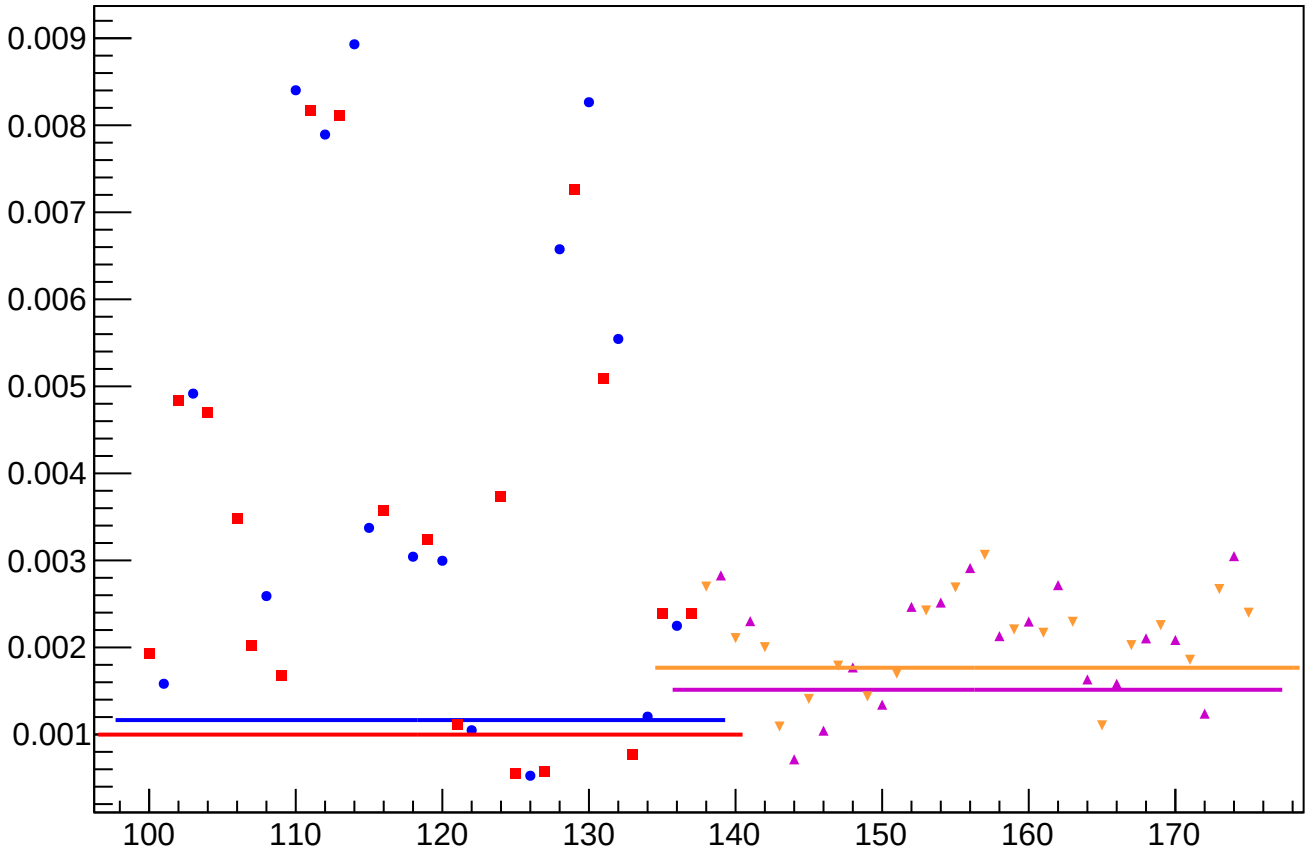
Left: 0.000+/-0.000 χ^2/NDF: 63.8/37

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:30.1/33

Out: 0.000+/-0.000 χ^2/NDF:59.8/38

All: 0.000+/-0.000 χ^2/NDF: 90.3/72



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2703409.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:4823131.7/17

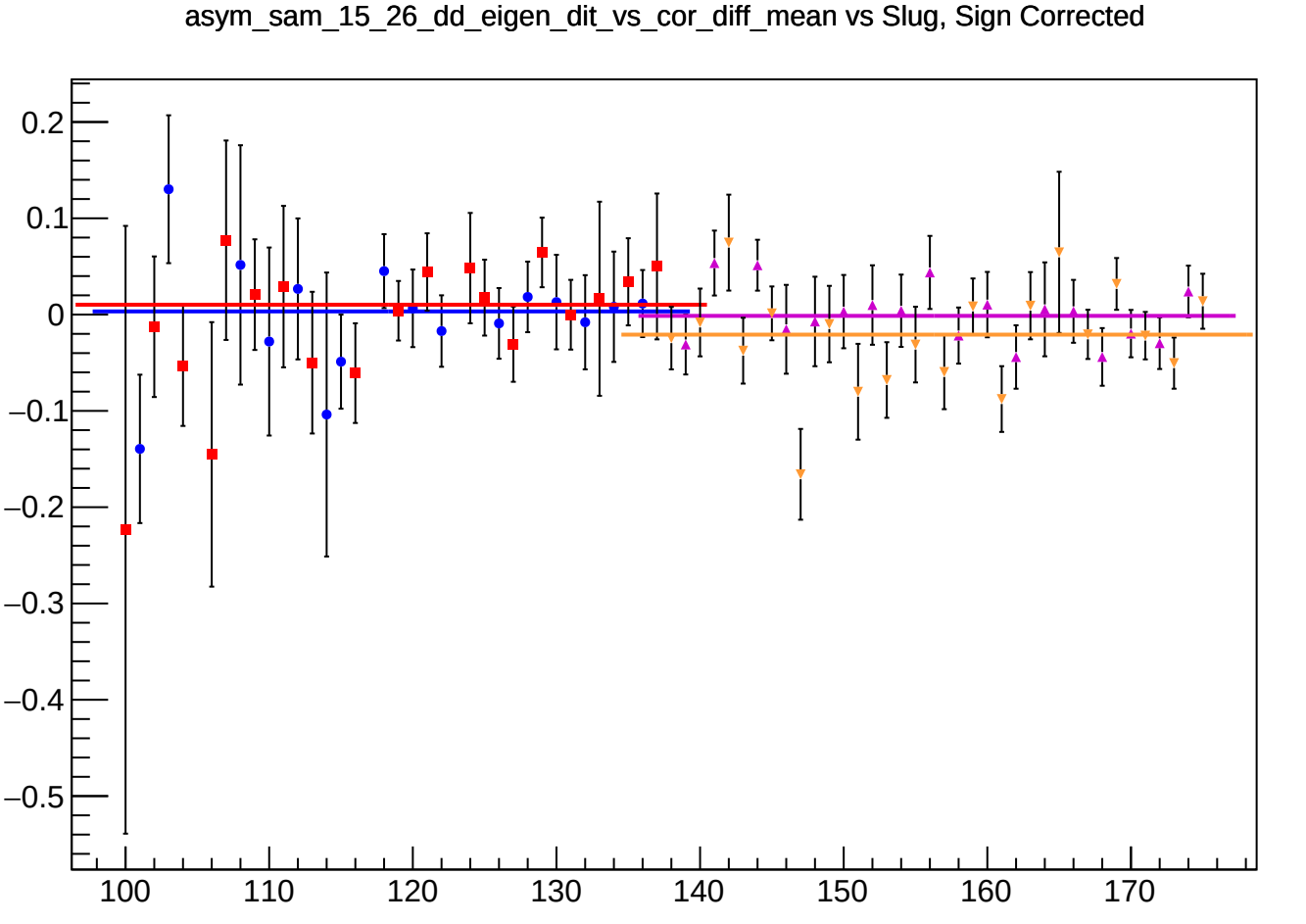
Left: 0.002+/-0.000 χ^2/NDF: 7835369.0/37

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:12128173.2/33

Out: 0.001+/-0.000 χ^2/NDF:12040426.2/38

All: 0.001+/-0.000 χ^2/NDF: 24175632.1/72



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/17

Left: -0.011+/-0.005 χ^2/NDF: 50.7/37

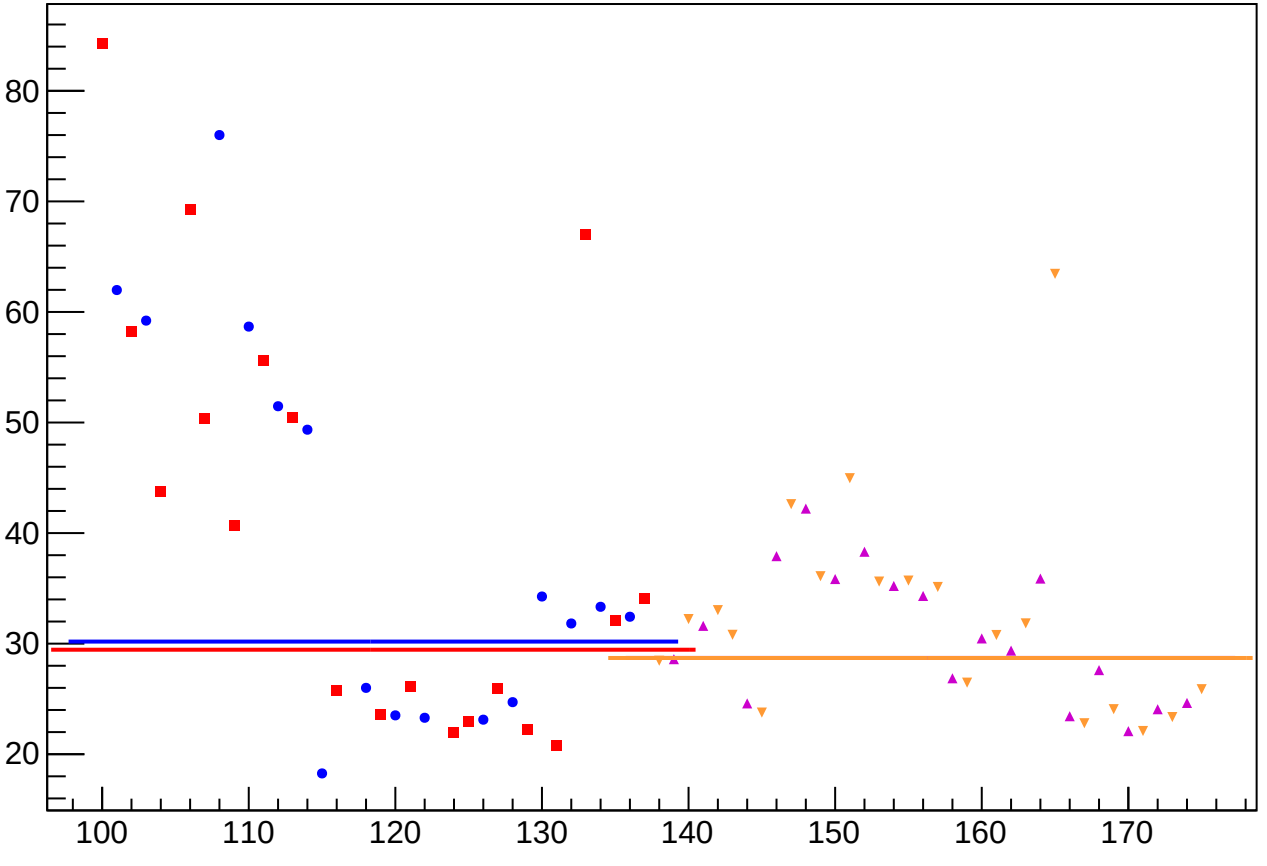
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.000+/-0.007 χ^2/NDF:26.3/33

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.005 χ^2/NDF: 75.6/72

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

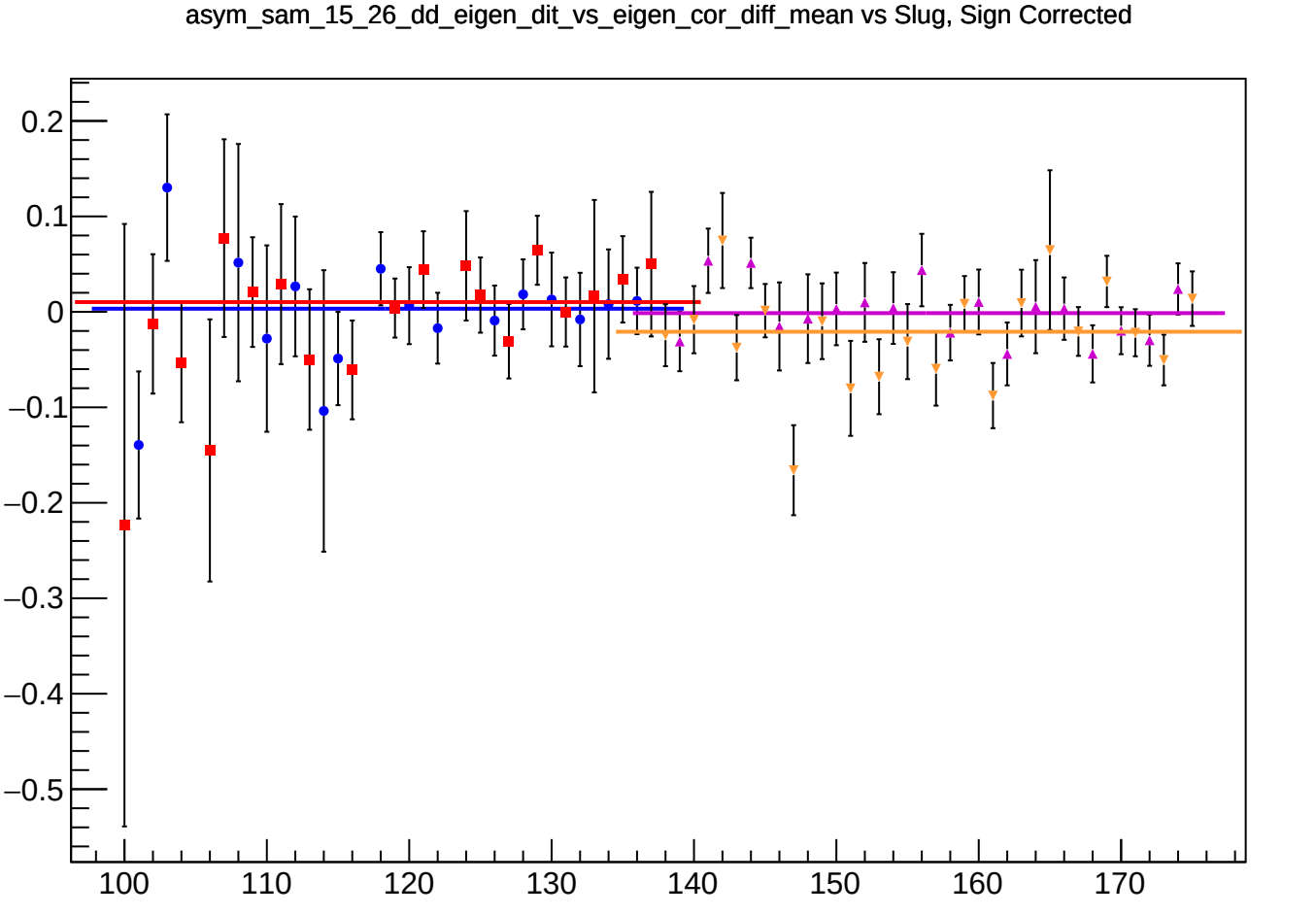
Left: 28.705+/-0.004 χ^2/NDF: 2490463.8/37

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

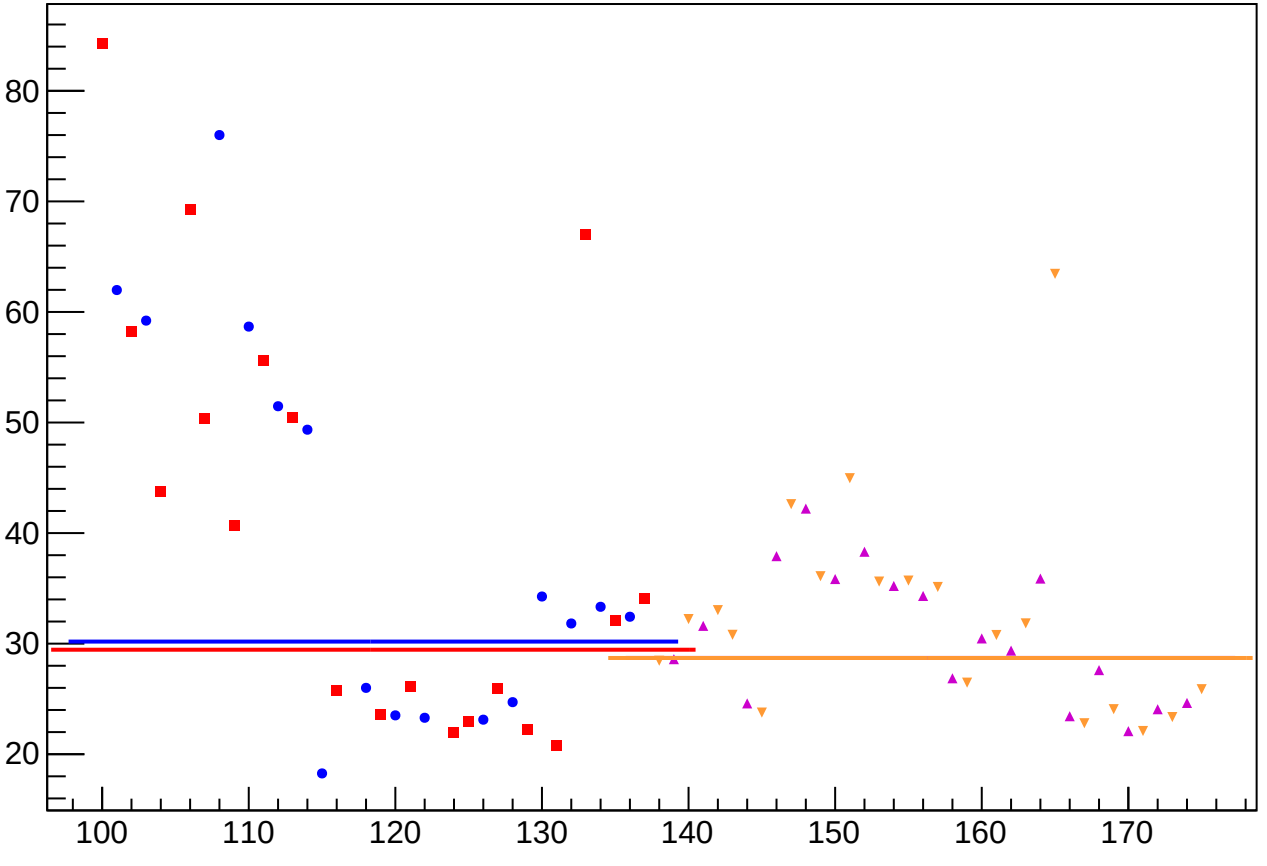
In: 29.126+/-0.005 χ^2/NDF:2665422.8/33

Out: 28.916+/-0.004 χ^2/NDF:3387398.0/38

All: 29.017+/-0.003 χ^2/NDF: 6053883.7/72


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.021+/-0.007 χ²/NDF:31.4/19
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.001+/-0.008 χ²/NDF:16.1/17
Left: -0.011+/-0.005 χ²/NDF: 50.7/37
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.000+/-0.007 χ²/NDF:26.3/33
Out: -0.012+/-0.006 χ²/NDF:47.5/38
All: -0.006+/-0.005 χ²/NDF: 75.6/72

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

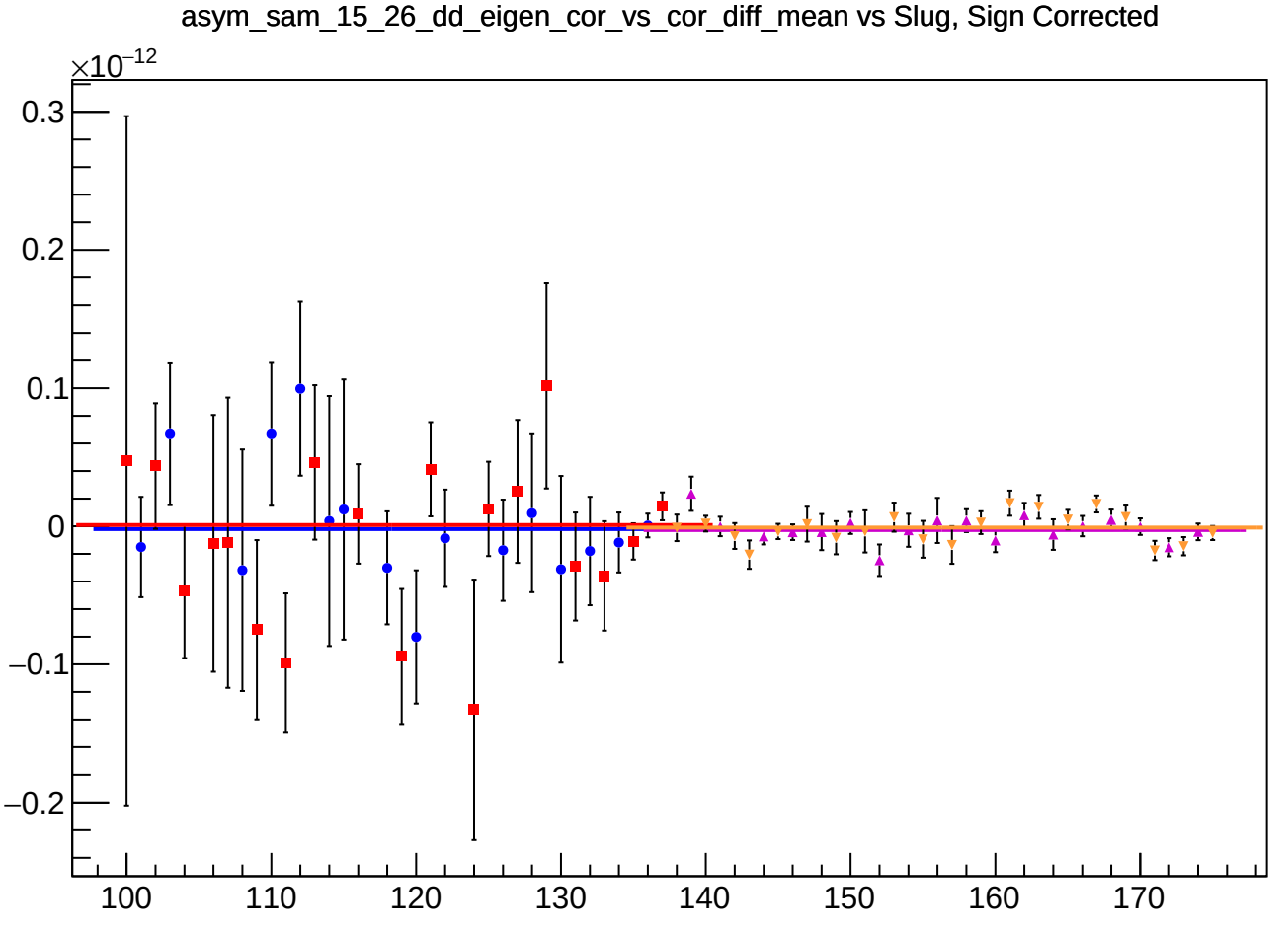
Left: 28.705+/-0.004 χ^2/NDF: 2490463.8/37

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.126+/-0.005 χ^2/NDF:2665422.8/33

Out: 28.916+/-0.004 χ^2/NDF:3387398.0/38

All: 29.017+/-0.003 χ^2/NDF: 6053883.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

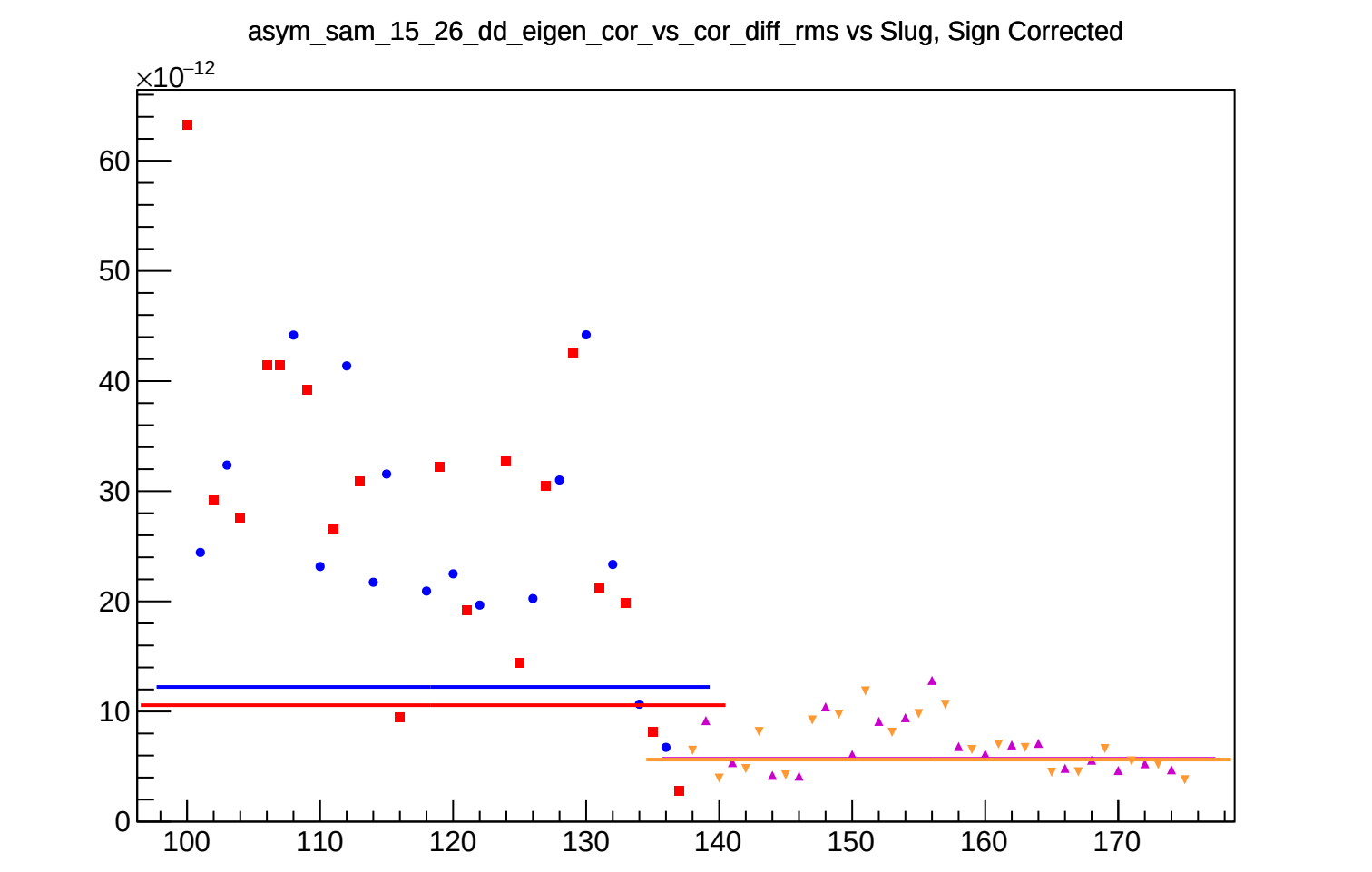
Left: -0.000+/-0.000 χ^2/NDF: 51.4/37

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:27.9/33

Out: -0.000+/-0.000 χ^2/NDF:54.9/38

All: -0.000+/-0.000 χ^2/NDF: 83.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2280076.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1730776.5/17

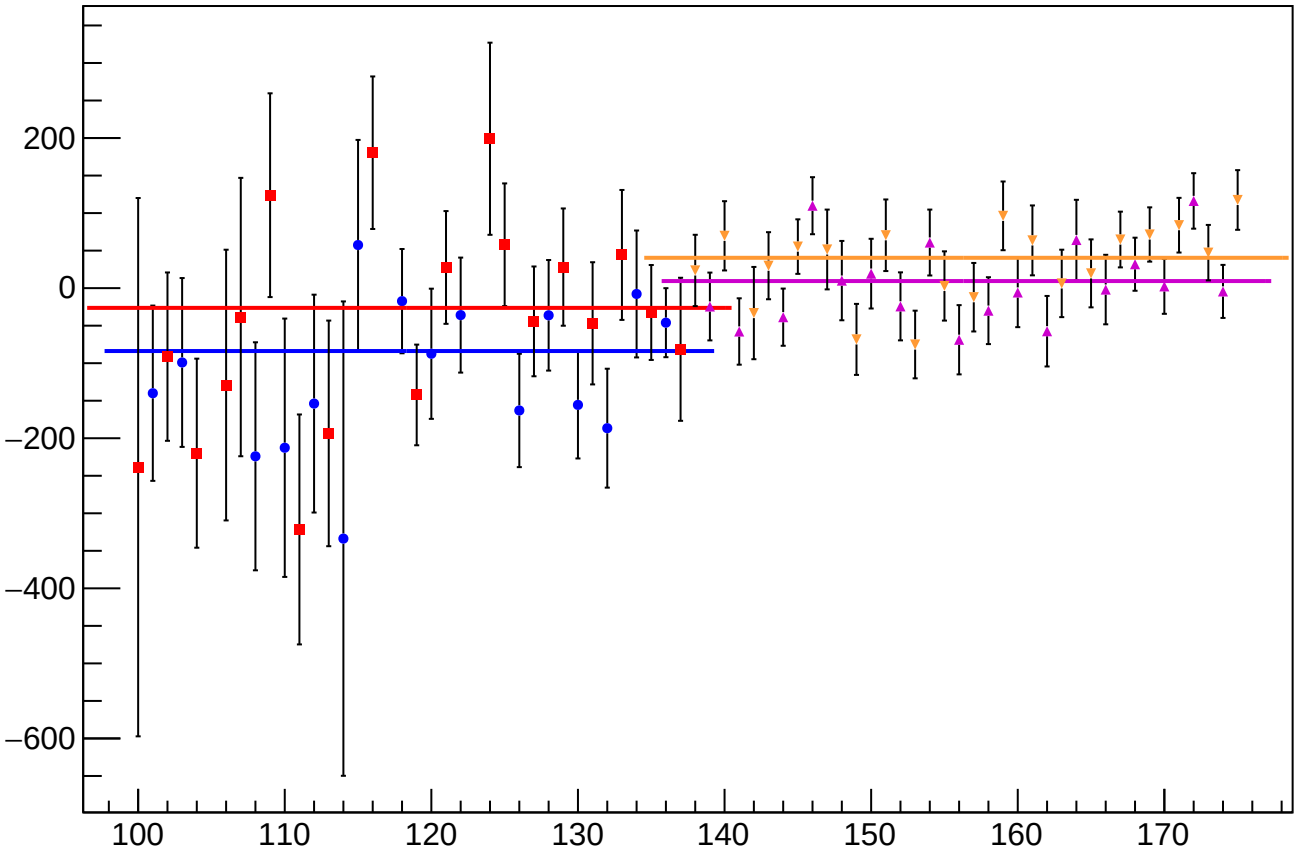
Left: 0.000+/-0.000 χ^2/NDF: 4012406.8/37

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6870931.9/33

Out: 0.000+/-0.000 χ^2/NDF:8076145.4/38

All: 0.000+/-0.000 χ^2/NDF: 14958949.7/72



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.424+/-9.692 χ^2/NDF:25.4/19

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 9.436+/-10.001 χ^2/NDF:29.2/17

Left: 25.416+/-6.960 χ^2/NDF: 59.6/37

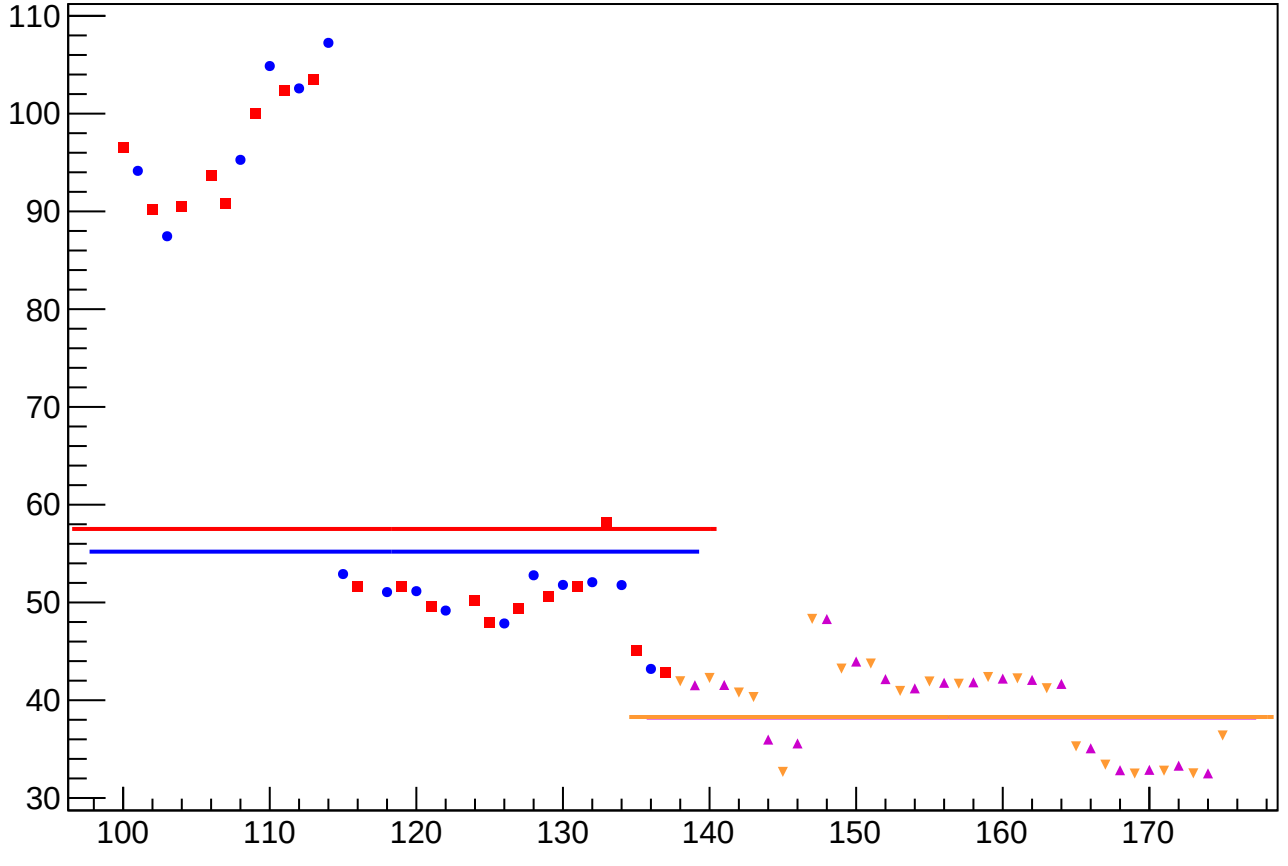
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -7.233+/-9.063 χ^2/NDF:55.3/33

Out: 29.635+/-8.873 χ^2/NDF:56.0/38

All: 11.590+/-6.340 χ^2/NDF: 119.8/72

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

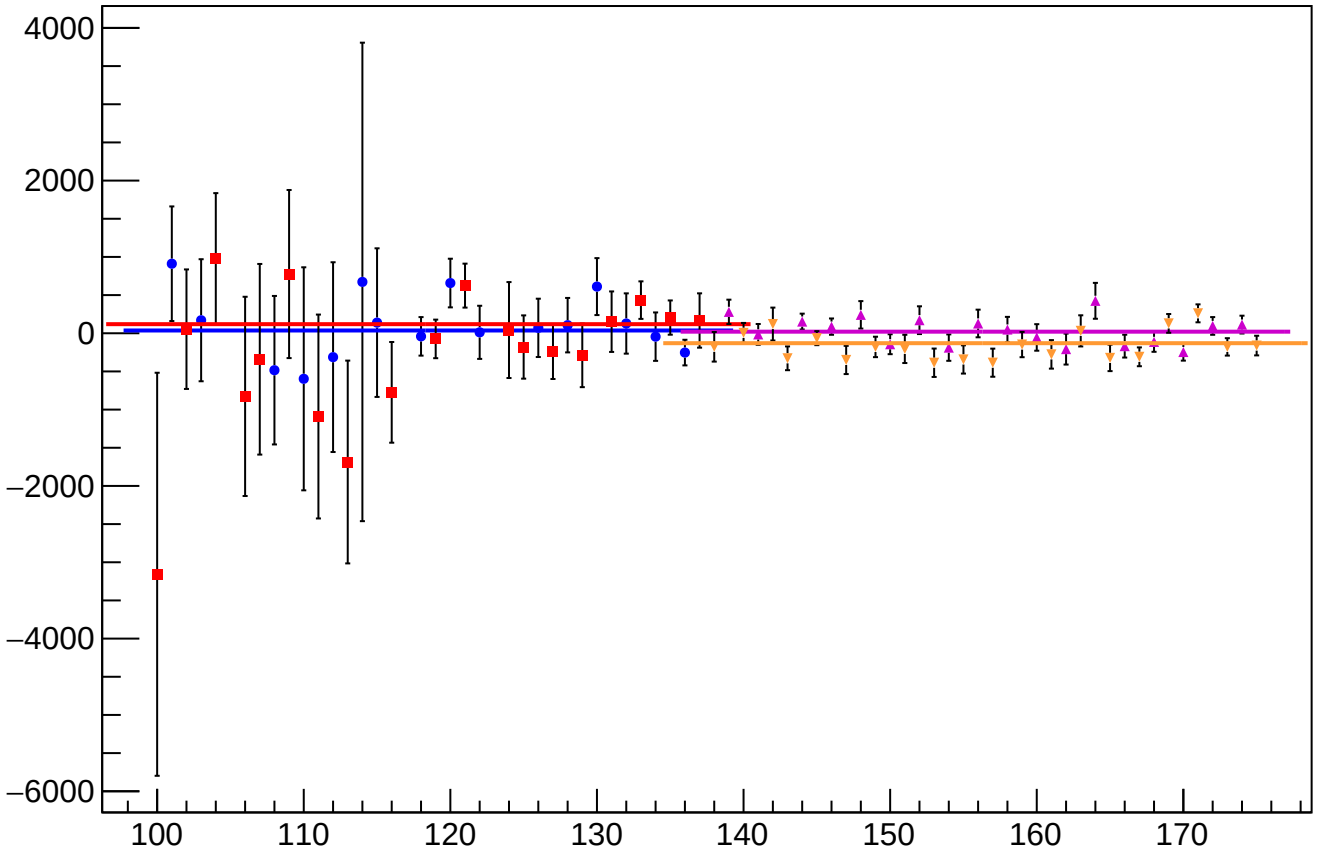
Left: 38.259+/-0.005 χ^2/NDF: 877838.7/37

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 41.265+/-0.006 χ^2/NDF:2595342.4/33

Out: 41.394+/-0.006 χ^2/NDF:3019735.7/38

All: 41.331+/-0.004 χ^2/NDF: 5615285.4/72



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.018+/-32.725 χ^2/NDF:31.8/19

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 20.785+/-33.349 χ^2/NDF:24.0/17

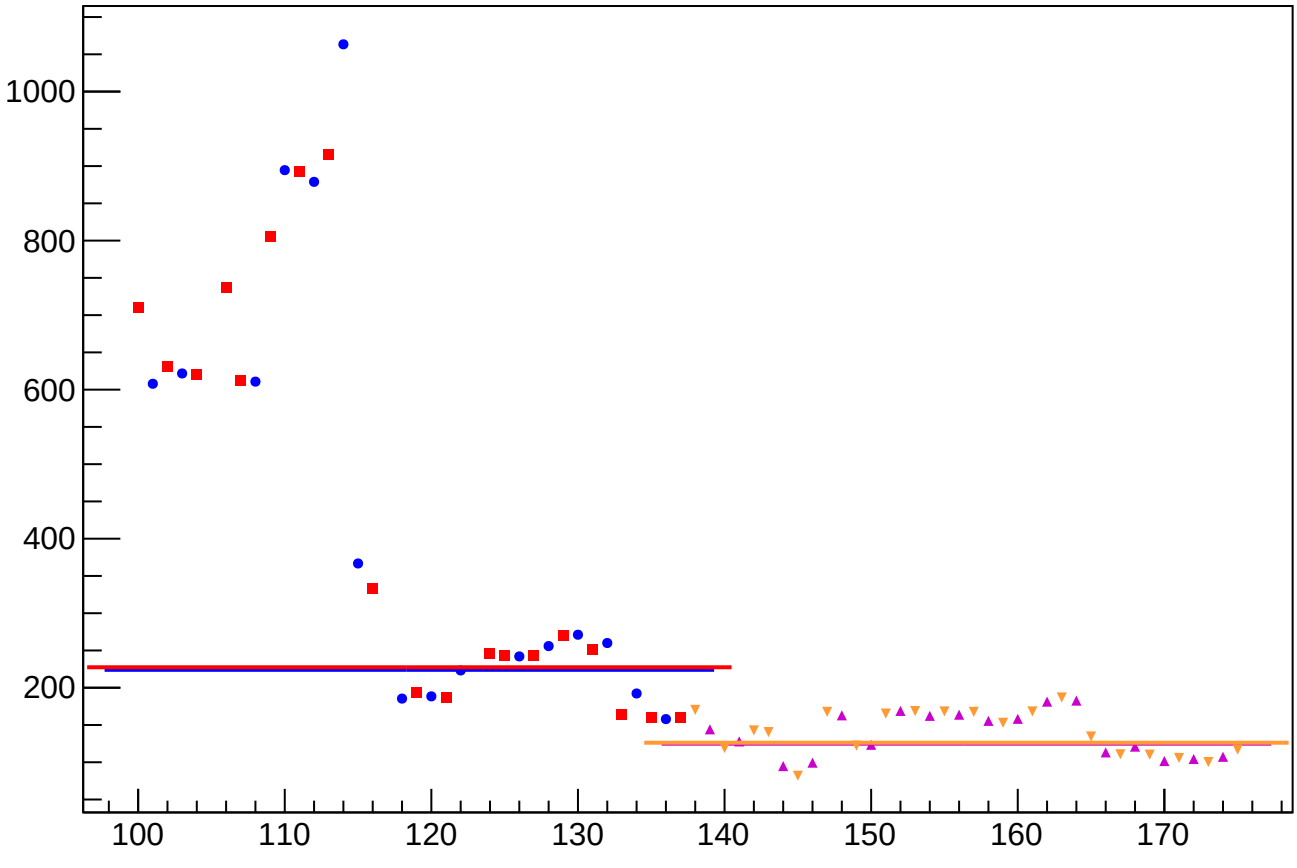
Left: -56.040+/-23.358 χ^2/NDF: 66.2/37

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 22.537+/-31.413 χ^2/NDF:35.4/33

Out: -103.995+/-30.969 χ^2/NDF:53.9/38

All: -41.629+/-22.054 χ^2/NDF: 97.6/72



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681042.9/19

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 124.910+/-0.024 χ^2/NDF:1330114.1/17

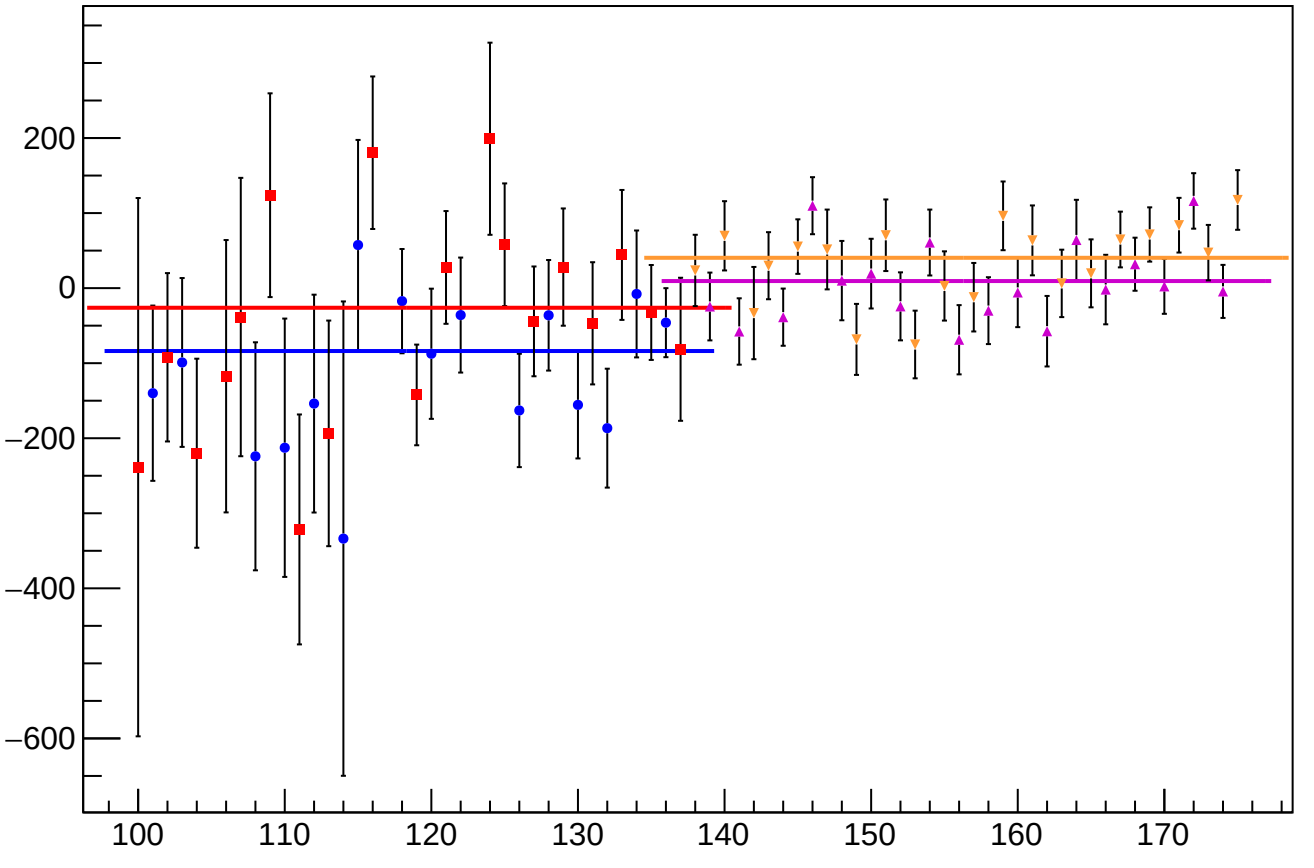
Left: 125.581+/-0.017 χ^2/NDF: 3012747.8/37

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 136.084+/-0.022 χ^2/NDF:6290263.6/33

Out: 136.798+/-0.022 χ^2/NDF:7319959.3/38

All: 136.446+/-0.016 χ^2/NDF: 13610747.1/72



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.435+/-10.001 χ^2/NDF:29.2/17

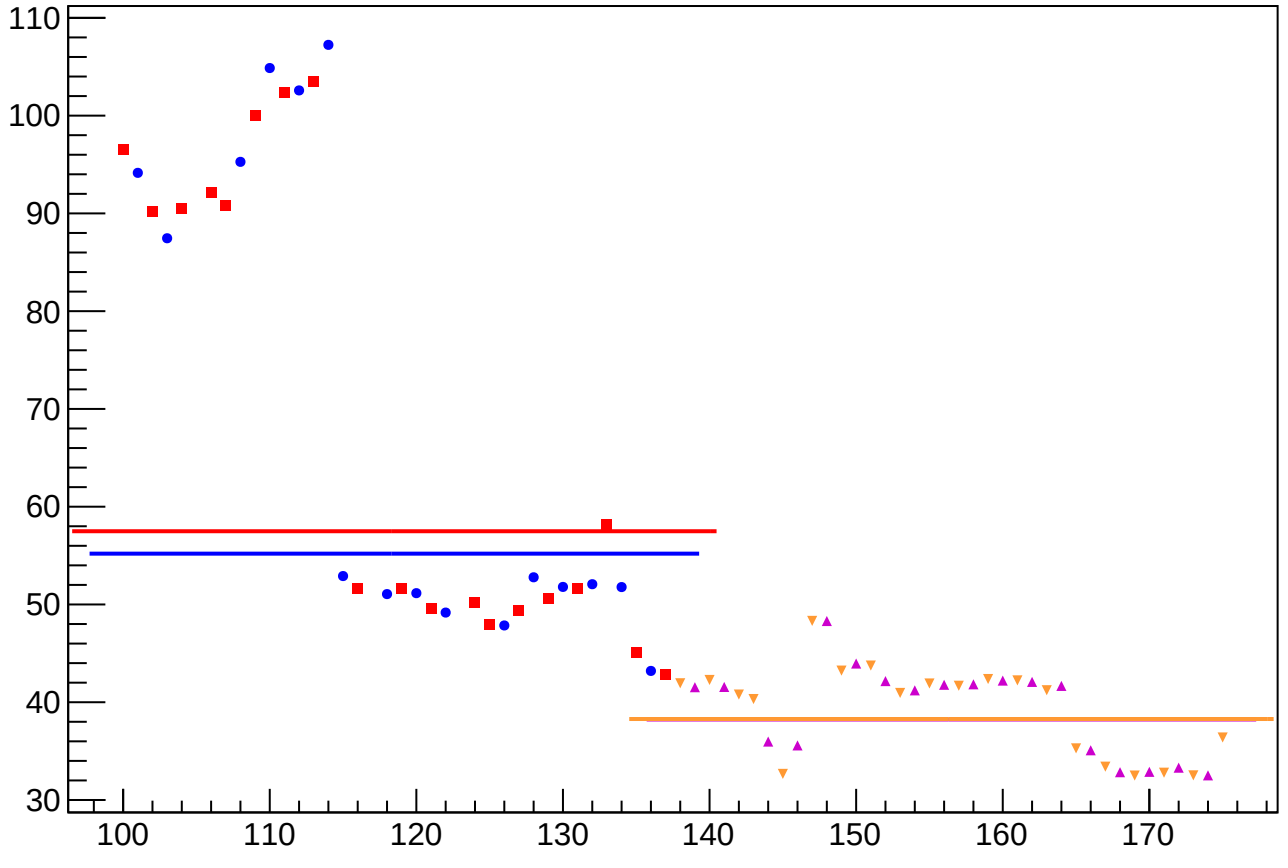
Left: 25.416+/-6.960 χ^2/NDF: 59.6/37

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.233+/-9.063 χ^2/NDF:55.3/33

Out: 29.663+/-8.874 χ^2/NDF:55.9/38

All: 11.604+/-6.340 χ^2/NDF: 119.7/72



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

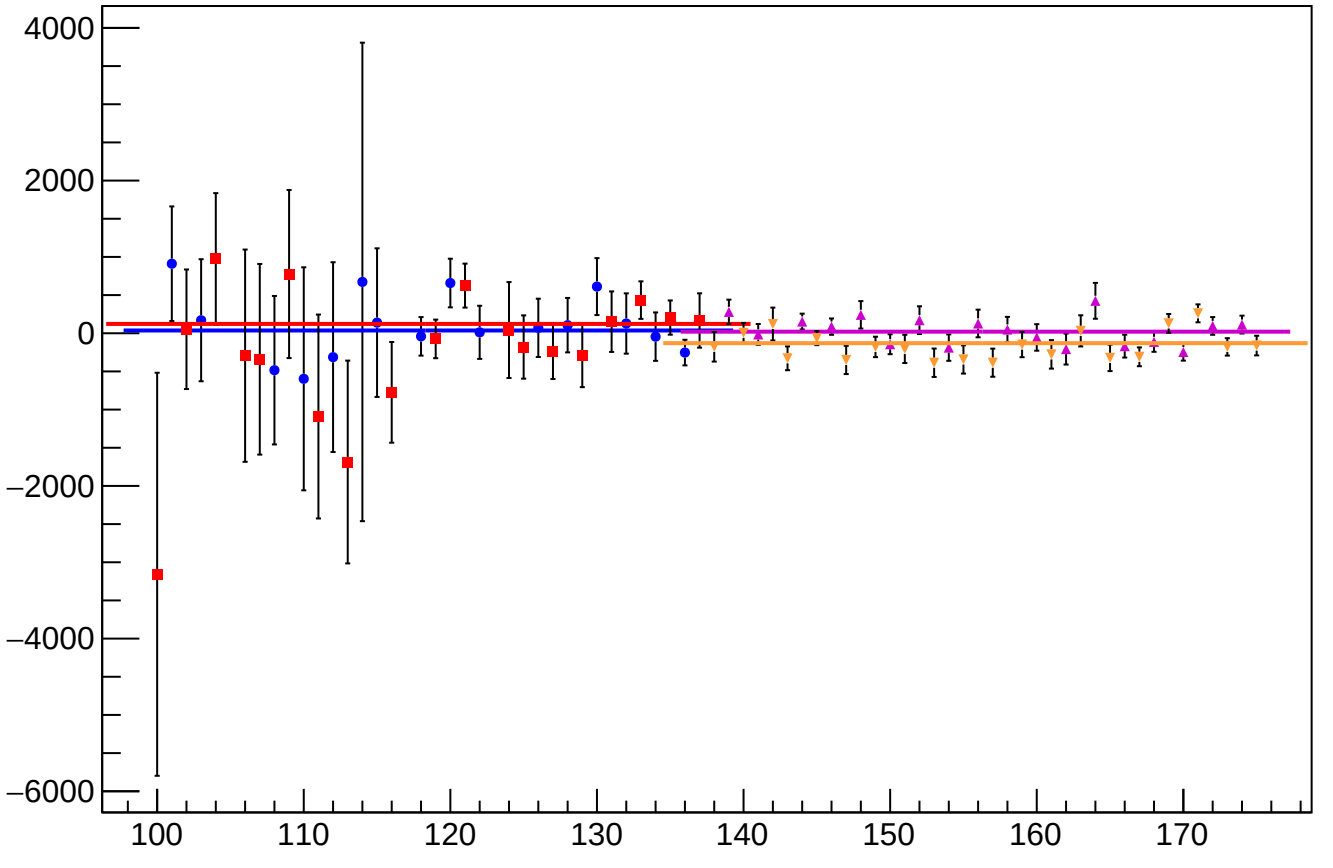
Left: 38.259+/-0.005 χ^2/NDF: 877838.7/37

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.265+/-0.006 χ^2/NDF:2595342.6/33

Out: 41.389+/-0.006 χ^2/NDF:3008303.7/38

All: 41.328+/-0.004 χ^2/NDF: 5603837.3/72



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 20.786+/-33.349 χ^2/NDF:24.0/17

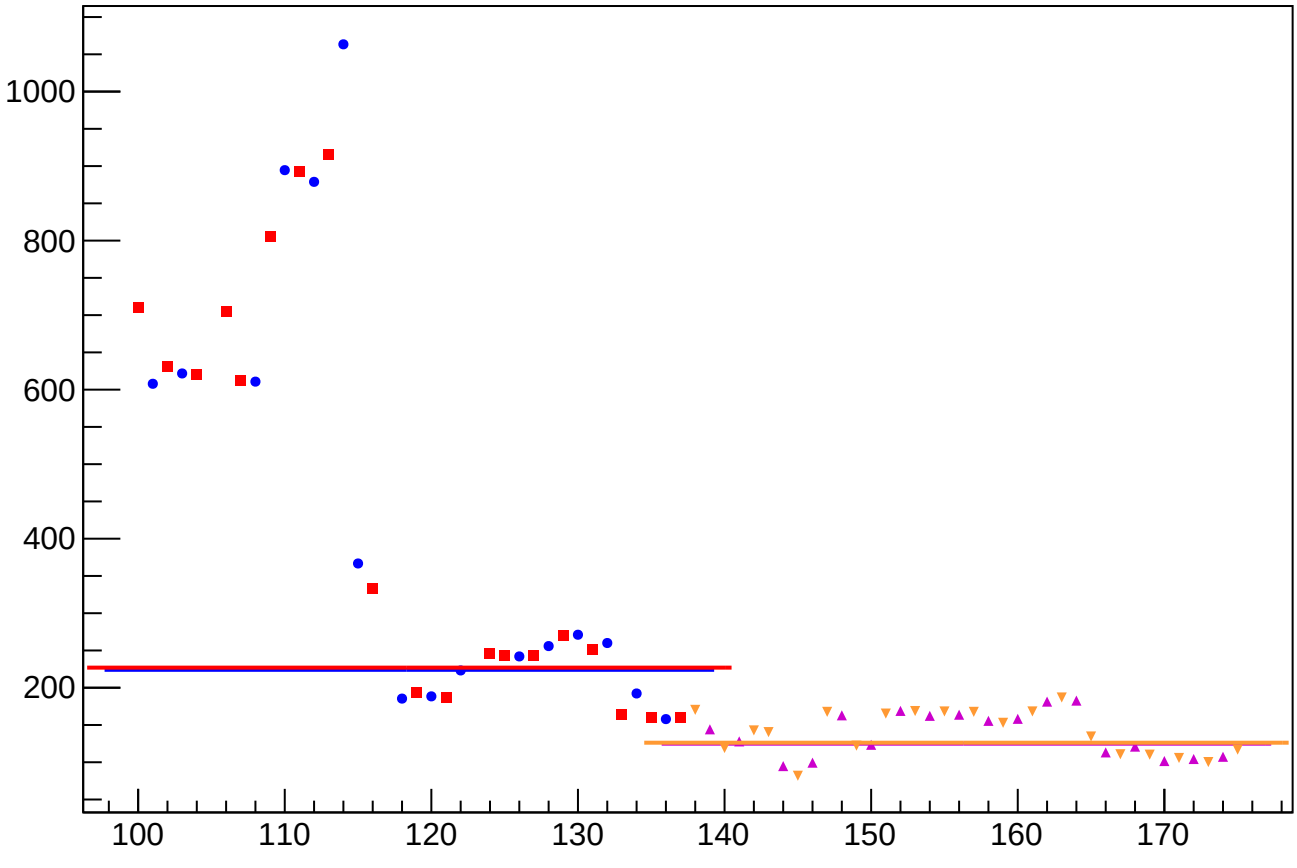
Left: -56.040+/-23.358 χ^2/NDF: 66.2/37

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 22.538+/-31.413 χ^2/NDF:35.4/33

Out: -103.686+/-30.970 χ^2/NDF:53.6/38

All: -41.469+/-22.054 χ^2/NDF: 97.2/72



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

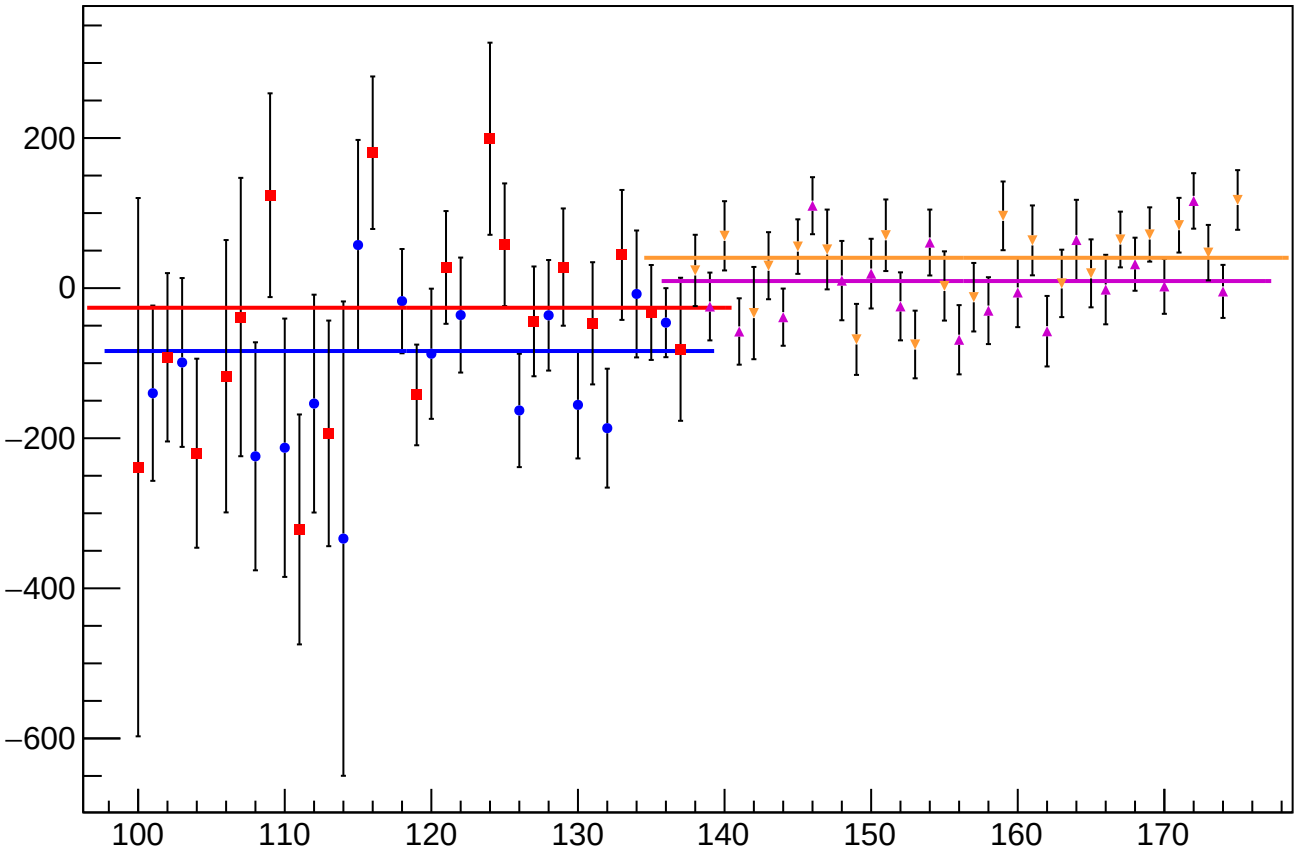
Left: 125.581+/-0.017 χ^2/NDF: 3012756.2/37

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 136.084+/-0.022 χ^2/NDF:6290285.6/33

Out: 136.742+/-0.022 χ^2/NDF:7231209.9/38

All: 136.418+/-0.016 χ^2/NDF: 13521940.6/72



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.435+/-10.001 χ^2/NDF:29.2/17

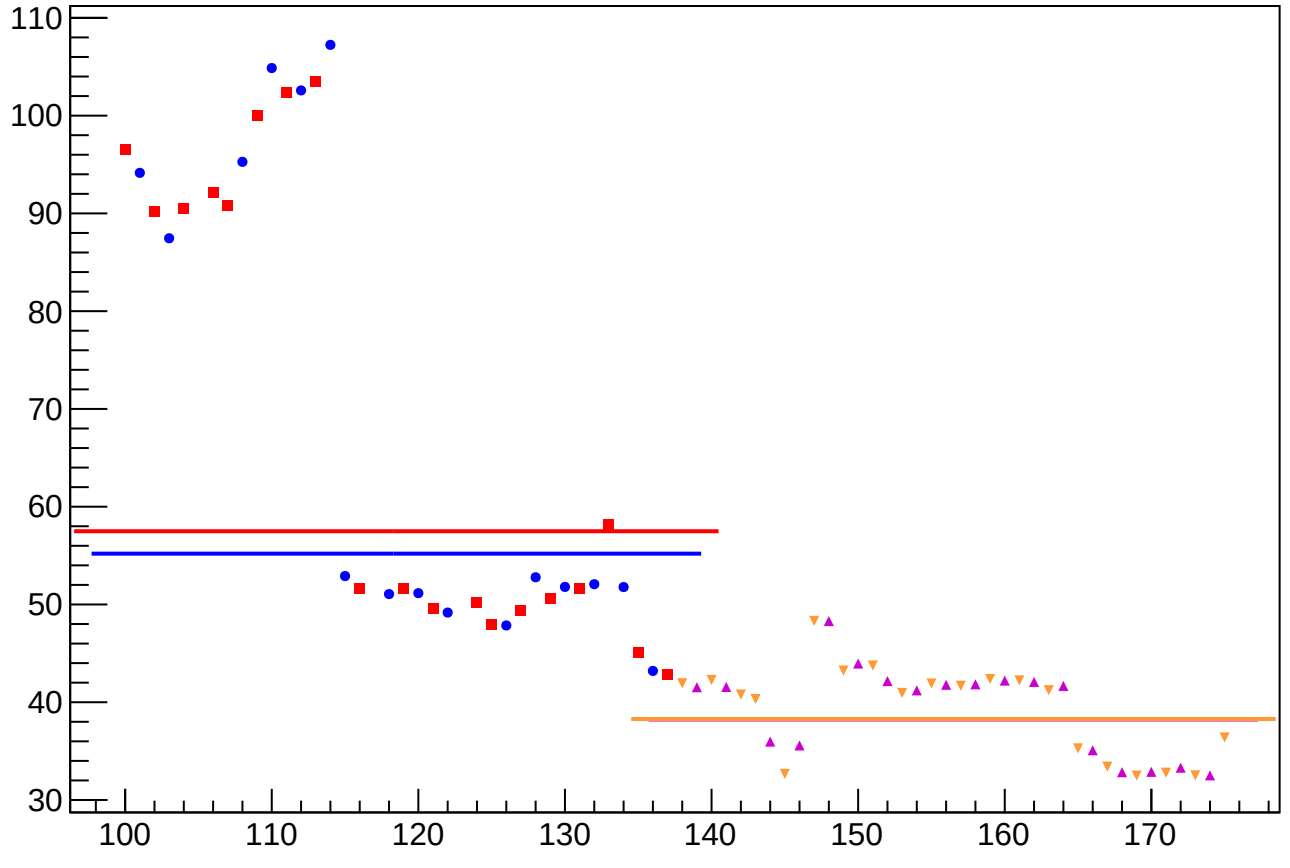
Left: 25.416+/-6.960 χ^2/NDF: 59.6/37

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.233+/-9.063 χ^2/NDF:55.3/33

Out: 29.663+/-8.874 χ^2/NDF:55.9/38

All: 11.604+/-6.340 χ^2/NDF: 119.7/72



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

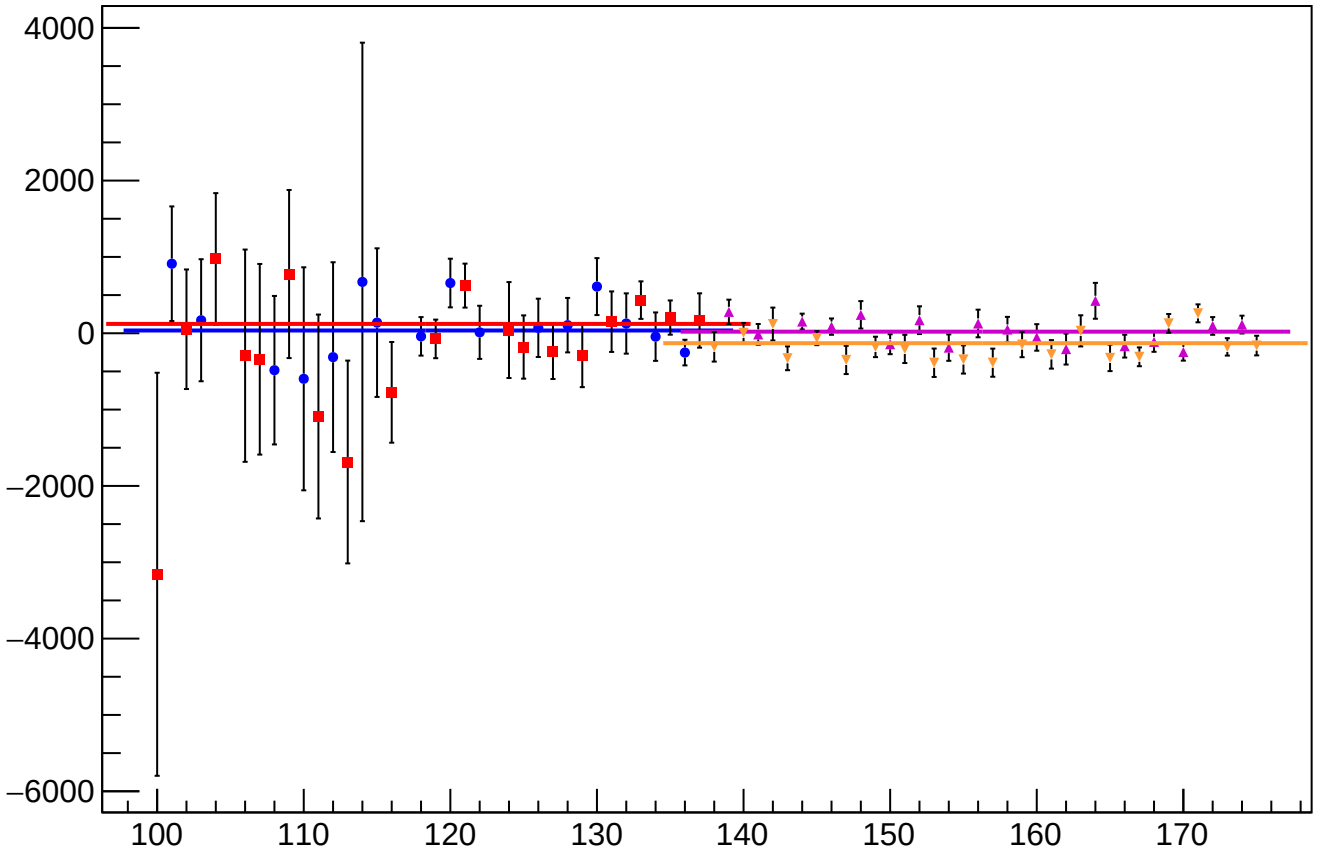
Left: 38.259+/-0.005 χ^2/NDF: 877838.7/37

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.265+/-0.006 χ^2/NDF:2595342.6/33

Out: 41.389+/-0.006 χ^2/NDF:3008303.7/38

All: 41.328+/-0.004 χ^2/NDF: 5603837.3/72



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 20.786+/-33.349 χ^2/NDF:24.0/17

Left: -56.040+/-23.358 χ^2/NDF: 66.2/37

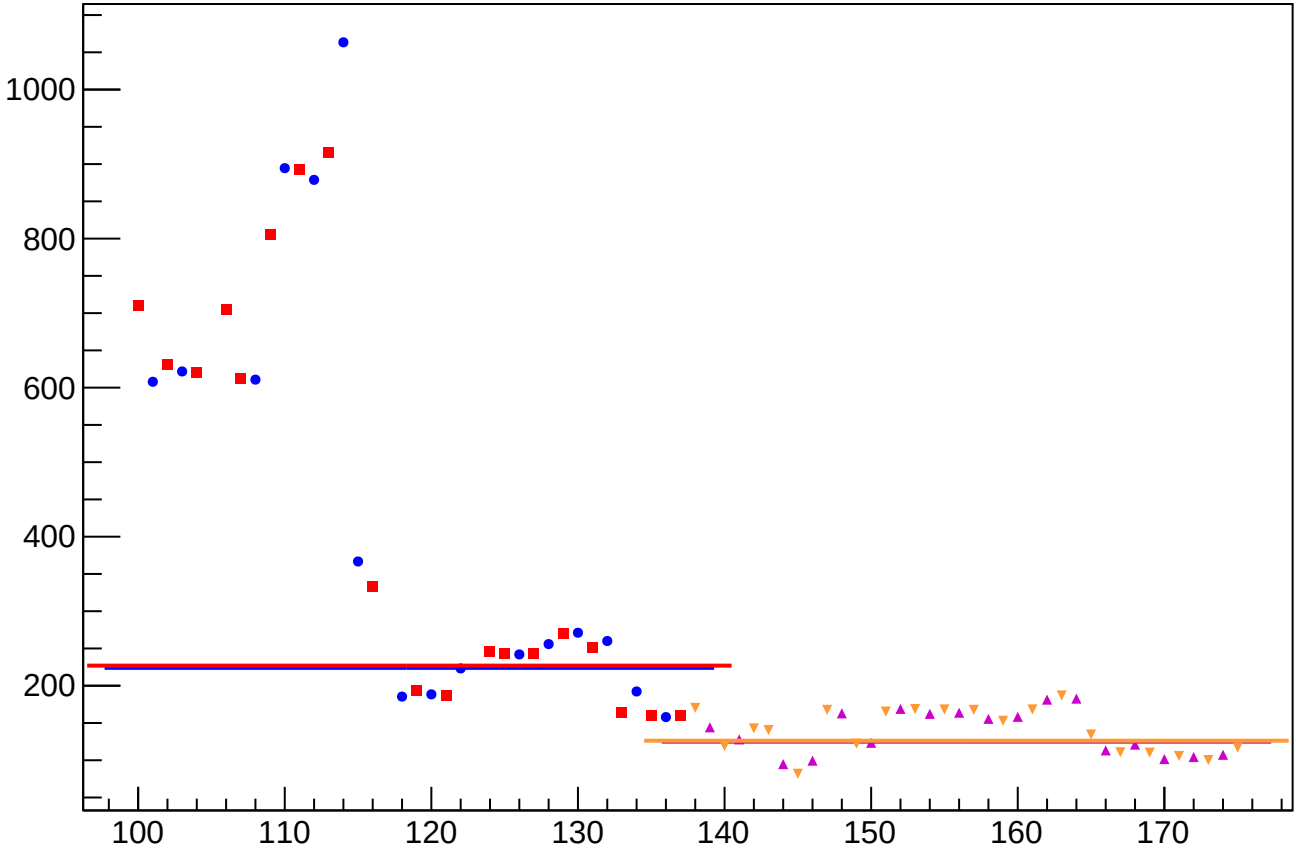
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 22.538+/-31.413 χ^2/NDF:35.4/33

Out: -103.686+/-30.970 χ^2/NDF:53.6/38

All: -41.469+/-22.054 χ^2/NDF: 97.2/72

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

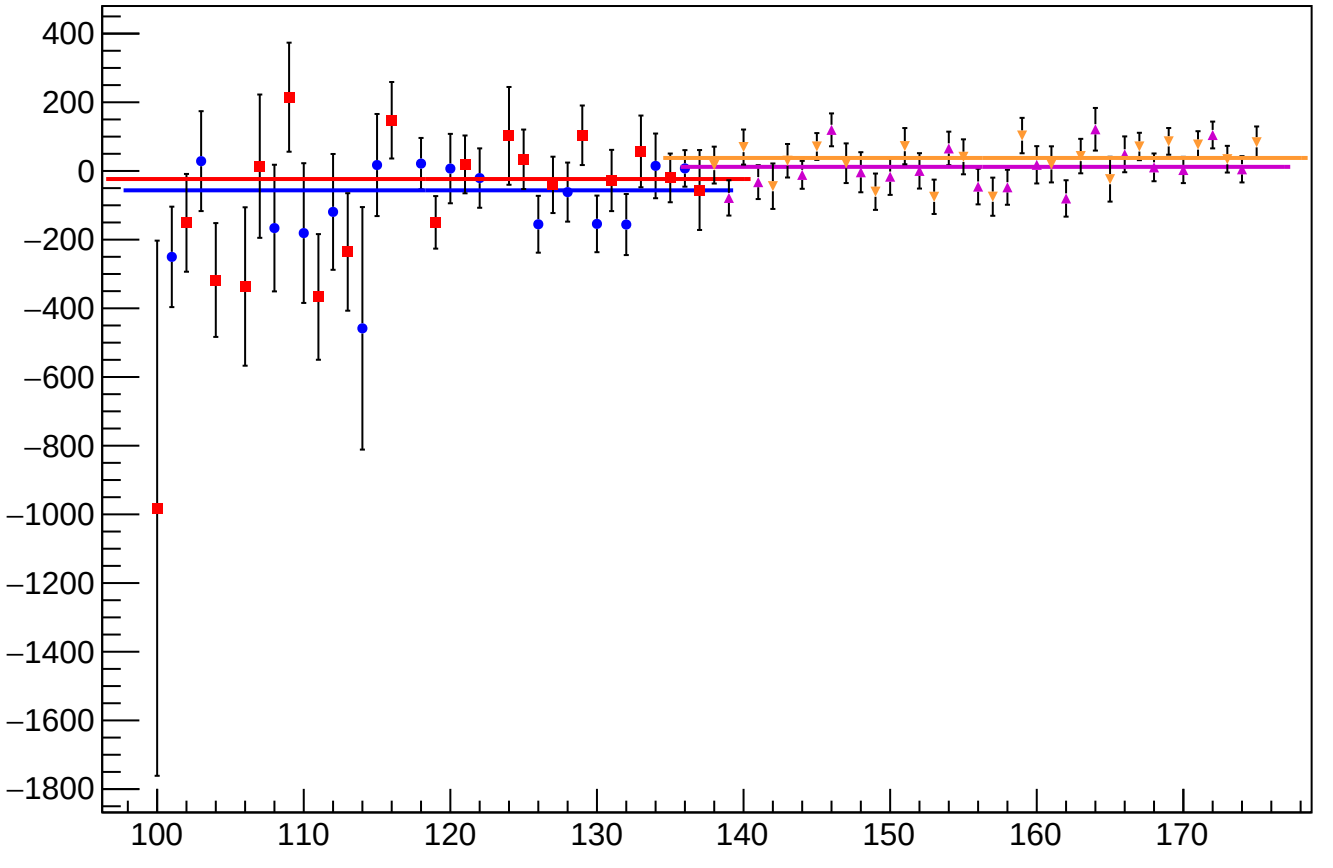
Left: 125.581+/-0.017 χ^2/NDF: 3012756.2/37

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 136.084+/-0.022 χ^2/NDF:6290285.6/33

Out: 136.742+/-0.022 χ^2/NDF:7231209.9/38

All: 136.418+/-0.016 χ^2/NDF: 13521940.6/72



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.873+/-10.775 χ^2/NDF:22.9/19

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 11.935+/-11.187 χ^2/NDF:25.9/17

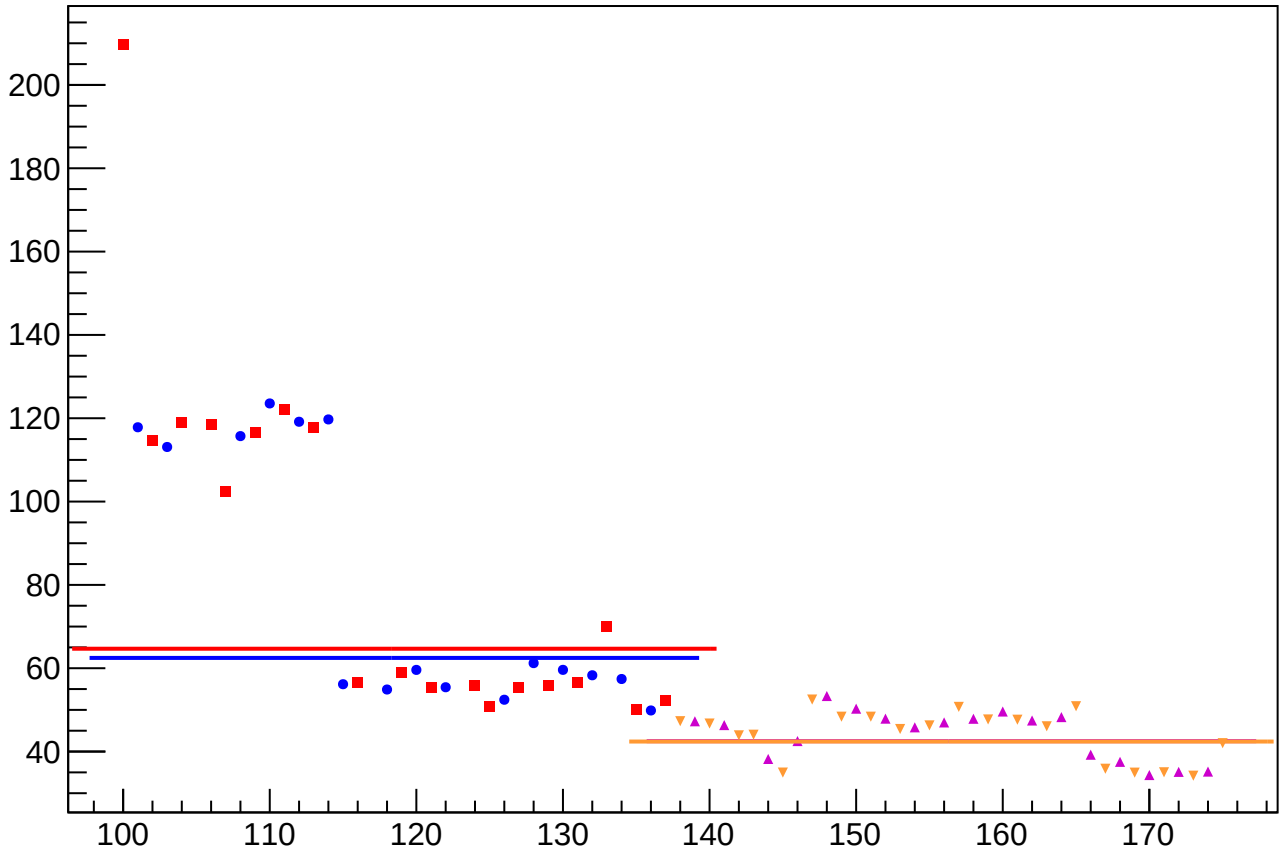
Left: 25.391+/-7.761 χ^2/NDF: 51.6/37

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 0.134+/-10.175 χ^2/NDF:44.6/33

Out: 28.363+/-9.905 χ^2/NDF:52.0/38

All: 14.629+/-7.098 χ^2/NDF: 100.6/72



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.403+/-0.008 χ^2/NDF:656057.2/19

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.493+/-0.008 χ^2/NDF:573925.4/17

Left: 42.446+/-0.005 χ^2/NDF: 1230049.1/37

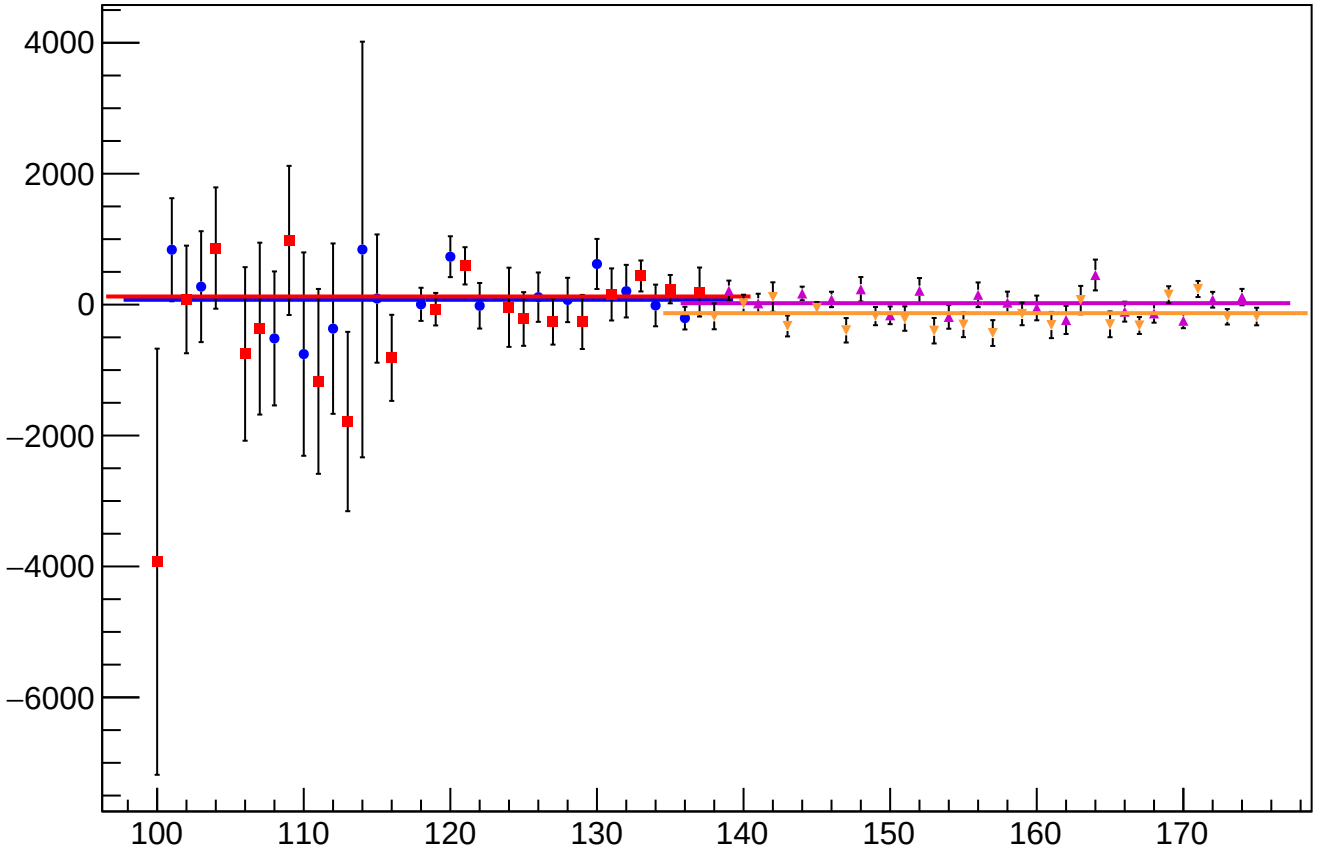
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.942+/-0.007 χ^2/NDF:3023792.1/33

Out: 45.855+/-0.007 χ^2/NDF:3571421.2/38

All: 45.898+/-0.005 χ^2/NDF: 6595288.5/72

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 22.053+/-34.780 χ^2/NDF:22.8/17

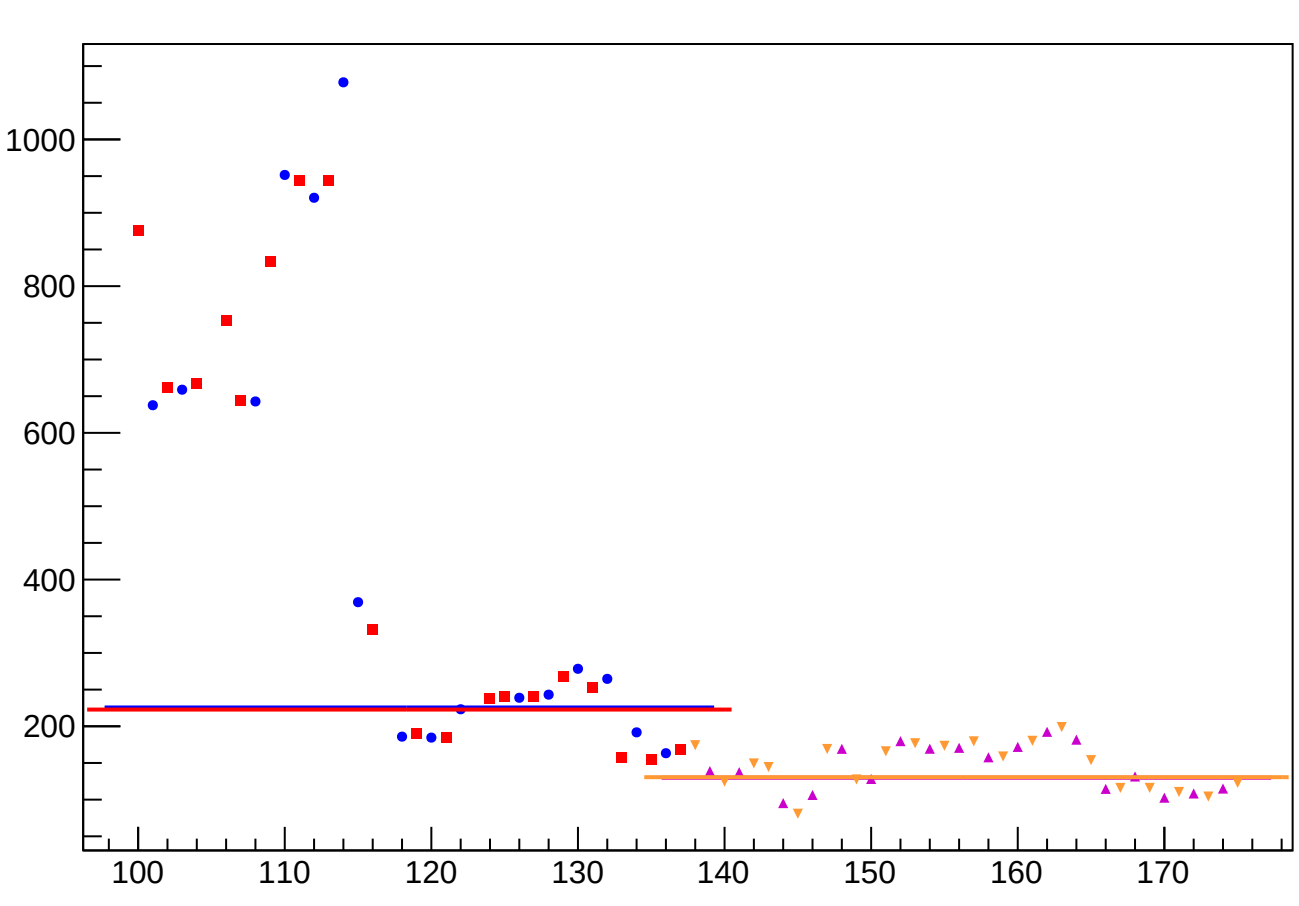
Left: -56.096+/-24.290 χ^2/NDF: 63.4/37

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 28.286+/-32.640 χ^2/NDF:34.3/33

Out: -101.493+/-31.946 χ^2/NDF:53.5/38

All: -37.997+/-22.830 χ^2/NDF: 95.8/72



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849627.6/19

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 129.869+/-0.025 χ^2/NDF:1368359.2/17

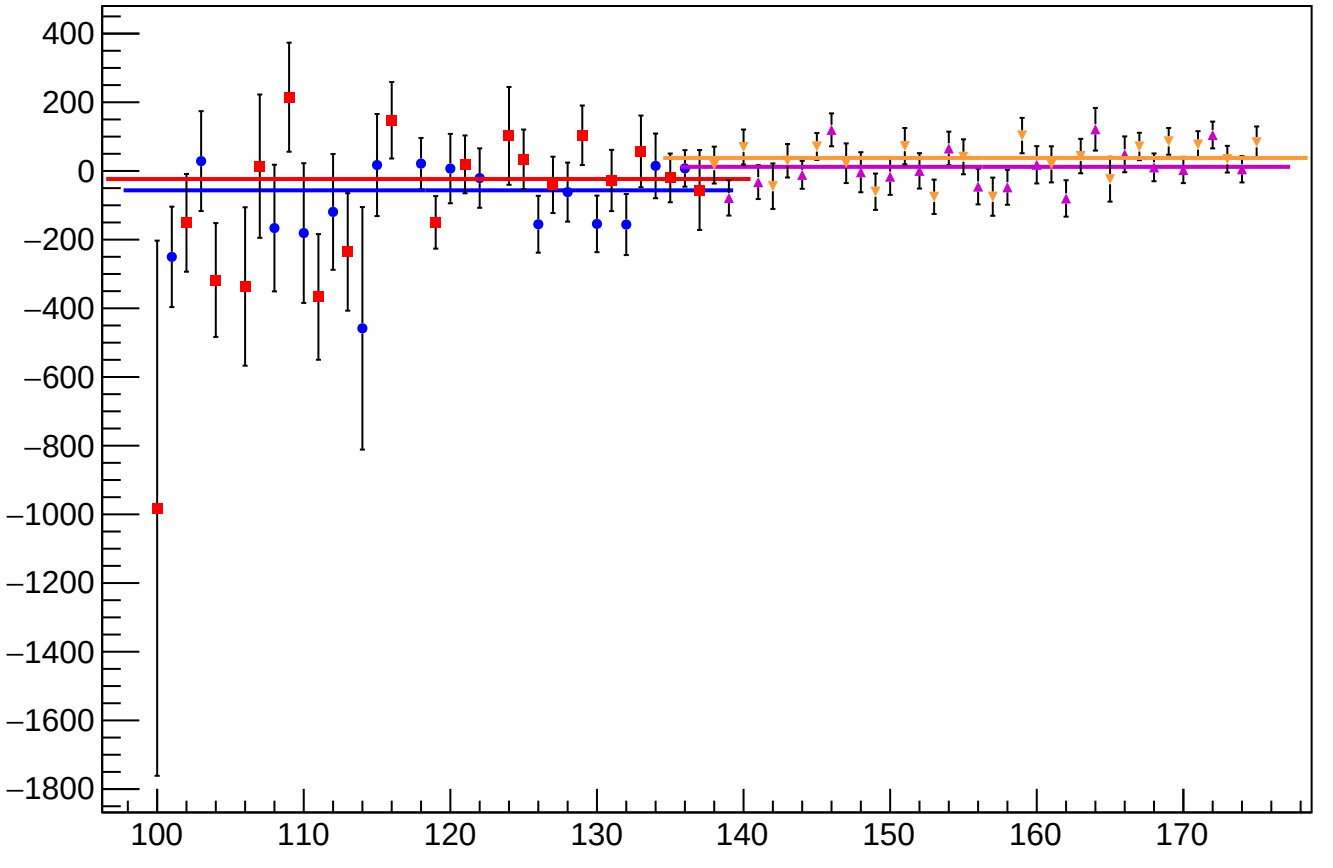
Left: 130.249+/-0.017 χ^2/NDF: 3218452.4/37

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 141.293+/-0.023 χ^2/NDF:6202767.5/33

Out: 141.107+/-0.023 χ^2/NDF:7378038.9/38

All: 141.198+/-0.016 χ^2/NDF: 13580839.4/72



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.874+/-10.775 χ^2/NDF:22.9/19

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 11.935+/-11.187 χ^2/NDF:25.9/17

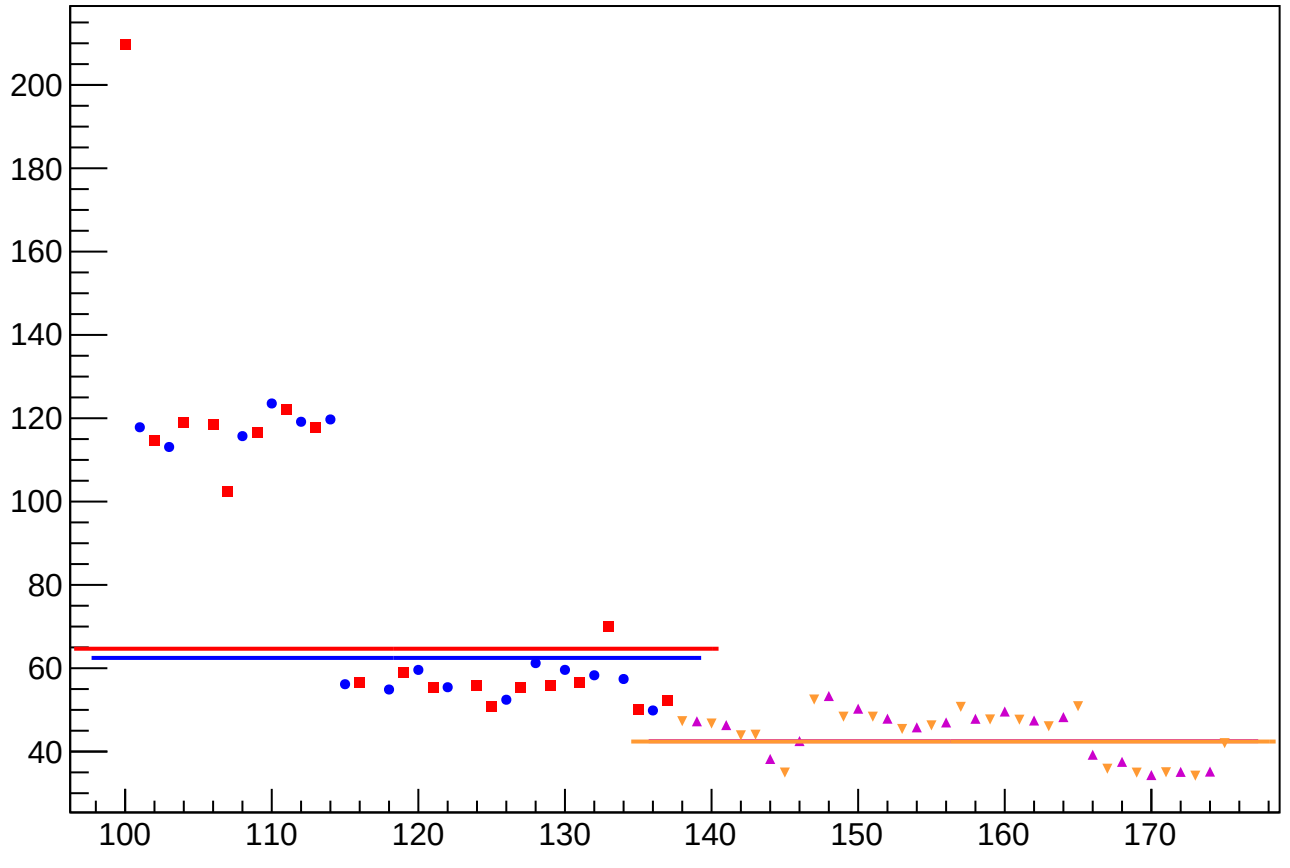
Left: 25.391+/-7.761 χ^2/NDF: 51.6/37

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 0.134+/-10.175 χ^2/NDF:44.6/33

Out: 28.363+/-9.905 χ^2/NDF:52.0/38

All: 14.629+/-7.098 χ^2/NDF: 100.6/72



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.403+/-0.008 χ^2/NDF:656070.1/19

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.493+/-0.008 χ^2/NDF:573927.7/17

Left: 42.446+/-0.005 χ^2/NDF: 1230064.5/37

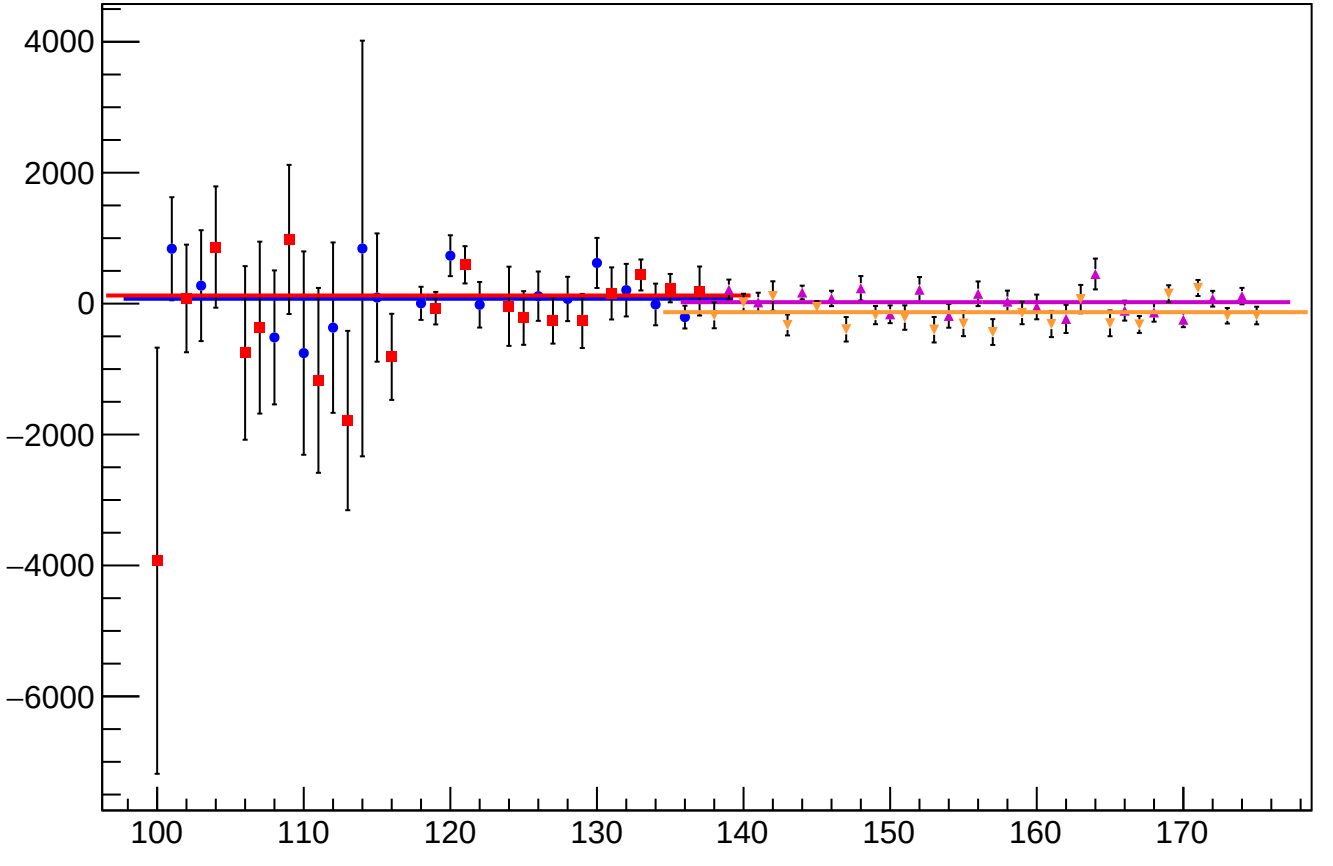
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.943+/-0.007 χ^2/NDF:3023723.9/33

Out: 45.855+/-0.007 χ^2/NDF:3571385.1/38

All: 45.898+/-0.005 χ^2/NDF: 6595184.2/72

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 22.053+/-34.780 χ^2/NDF:22.8/17

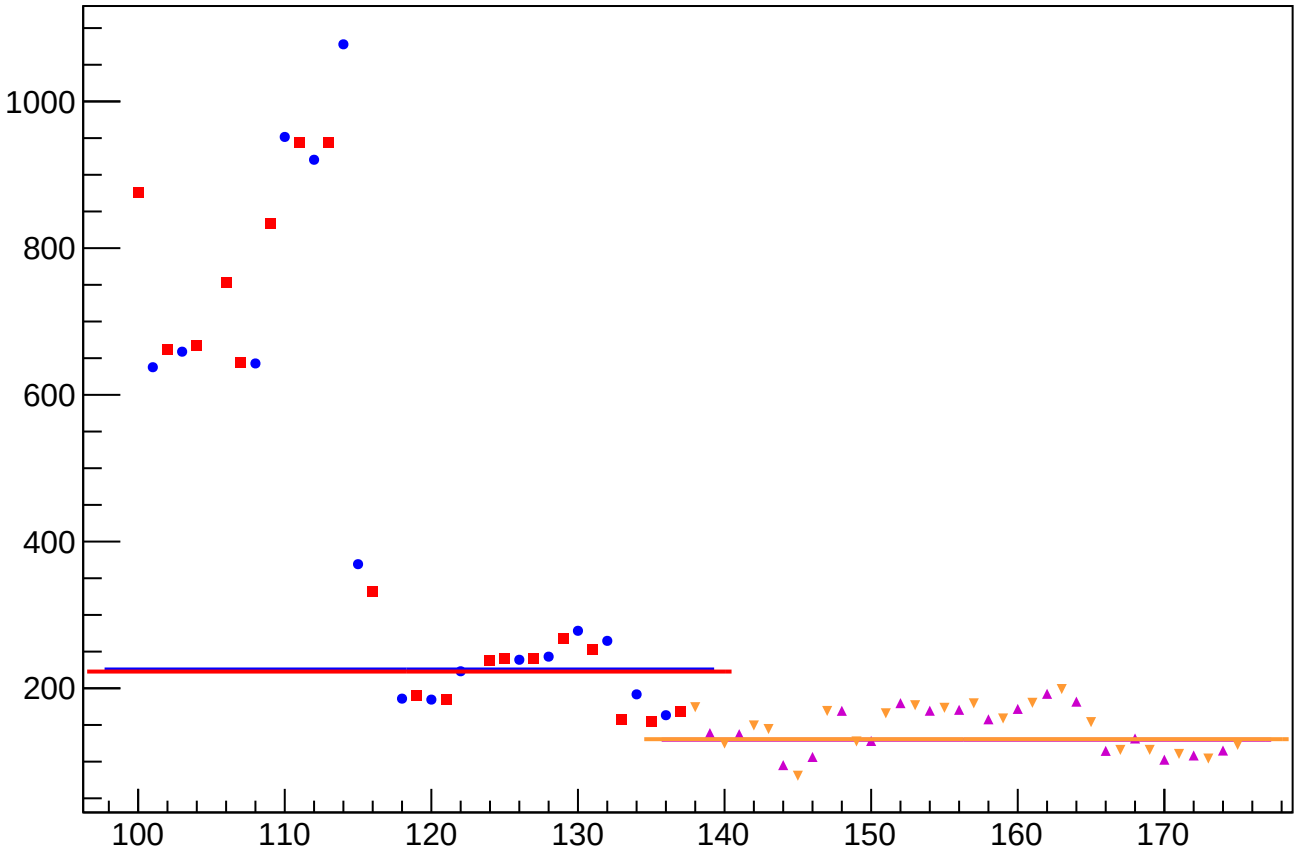
Left: -56.095+/-24.290 χ^2/NDF: 63.4/37

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 28.287+/-32.640 χ^2/NDF:34.3/33

Out: -101.493+/-31.946 χ^2/NDF:53.5/38

All: -37.997+/-22.830 χ^2/NDF: 95.8/72



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849618.1/19

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 129.869+/-0.025 χ^2/NDF:1368353.8/17

Left: 130.249+/-0.017 χ^2/NDF: 3218437.5/37

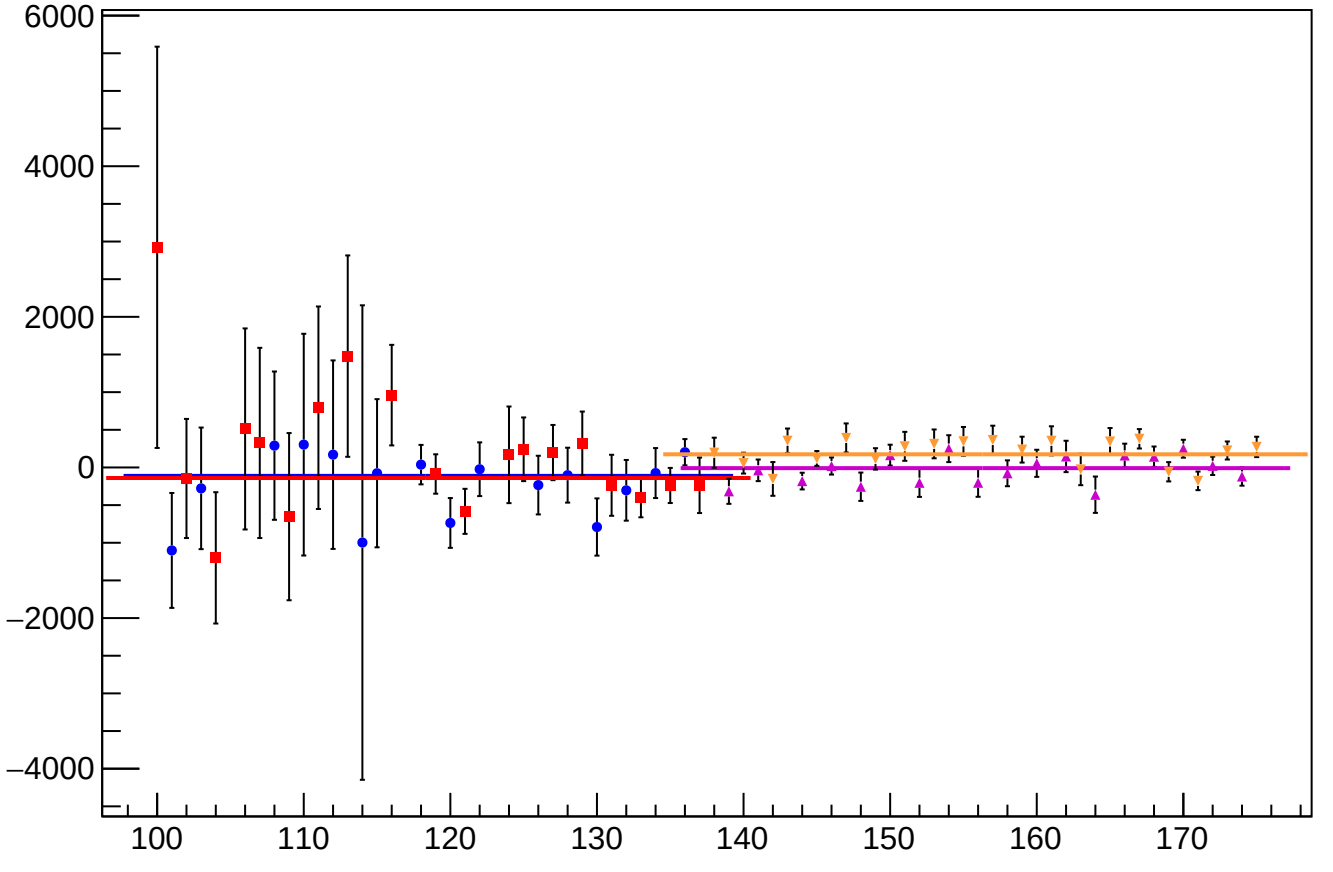
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 141.293+/-0.023 χ^2/NDF:6202740.3/33

Out: 141.107+/-0.023 χ^2/NDF:7378013.4/38

All: 141.198+/-0.016 χ^2/NDF: 13580786.7/72

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 174.748+/-34.295 χ^2/NDF:26.1/19

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -8.988+/-34.969 χ^2/NDF:24.4/17

Left: 84.667+/-24.485 χ^2/NDF: 64.5/37

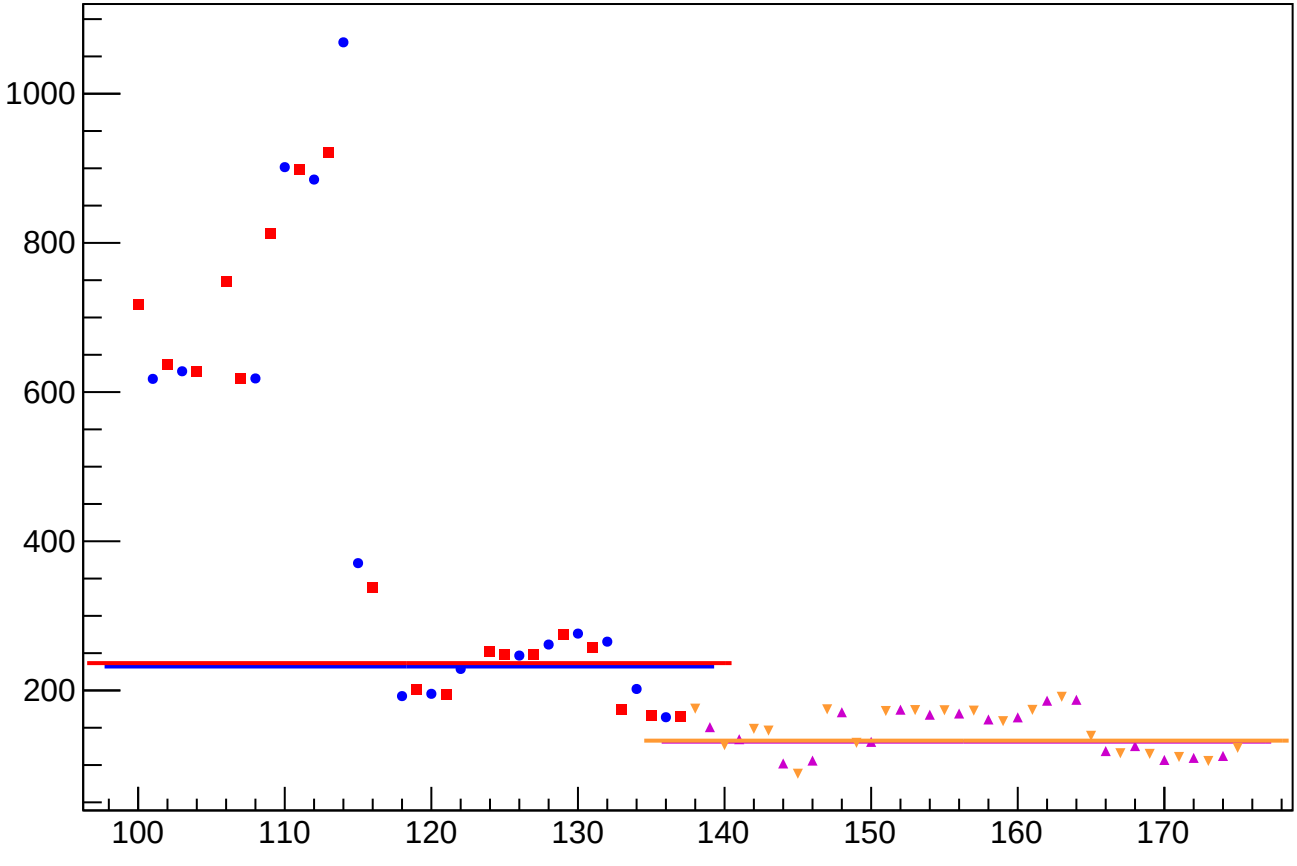
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -20.924+/-32.879 χ^2/NDF:38.2/33

Out: 141.132+/-32.412 χ^2/NDF:49.7/38

All: 61.263+/-23.082 χ^2/NDF: 100.3/72

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.711+/-0.024 χ^2/NDF:1525255.0/19

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.347+/-0.025 χ^2/NDF:1210428.7/17

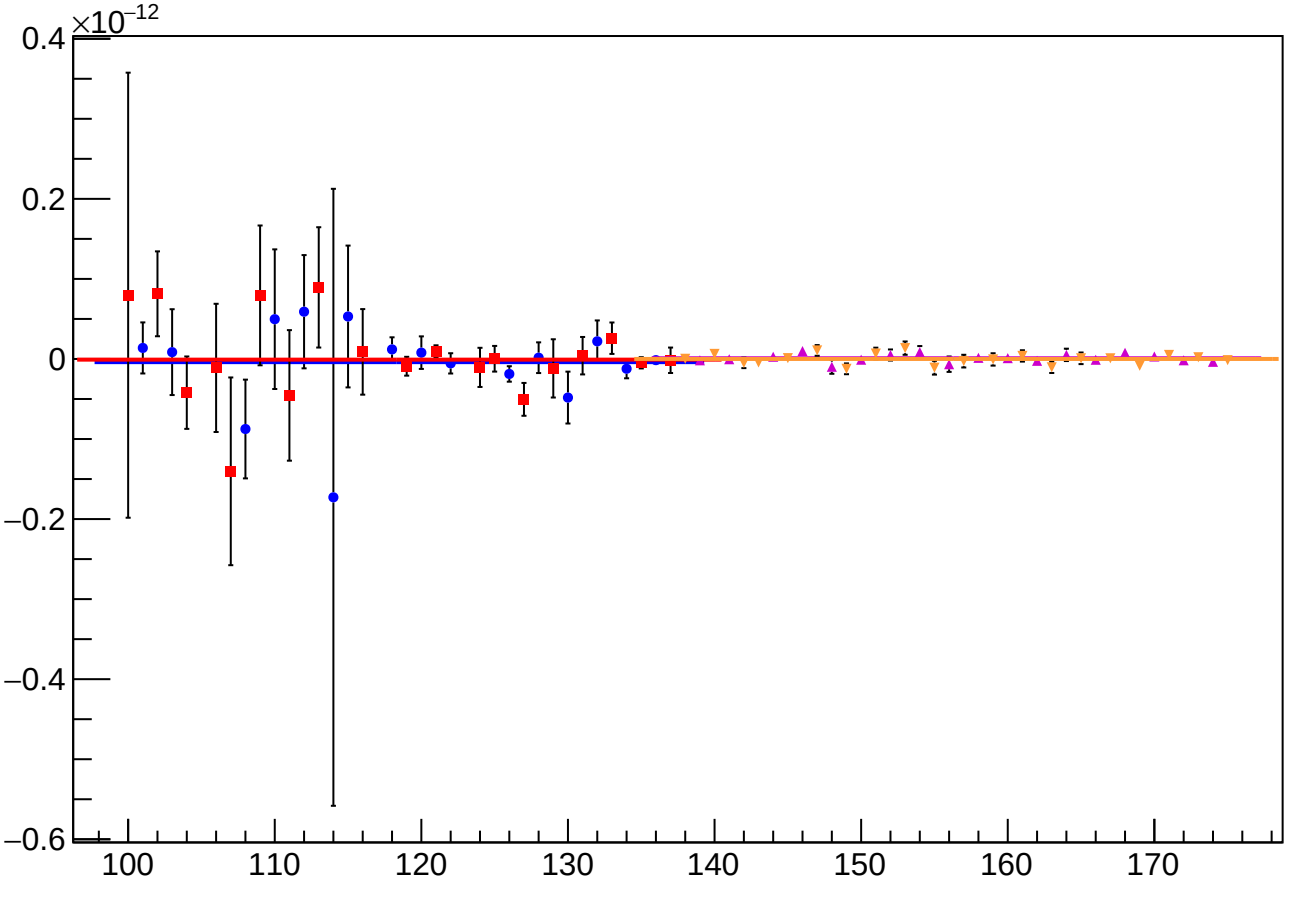
Left: 132.043+/-0.017 χ^2/NDF: 2737234.8/37

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 143.032+/-0.023 χ^2/NDF:6021515.4/33

Out: 143.813+/-0.023 χ^2/NDF:7008318.2/38

All: 143.428+/-0.016 χ^2/NDF: 13030406.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/17

Left: 0.000+/-0.000 χ^2/NDF: 34.3/37

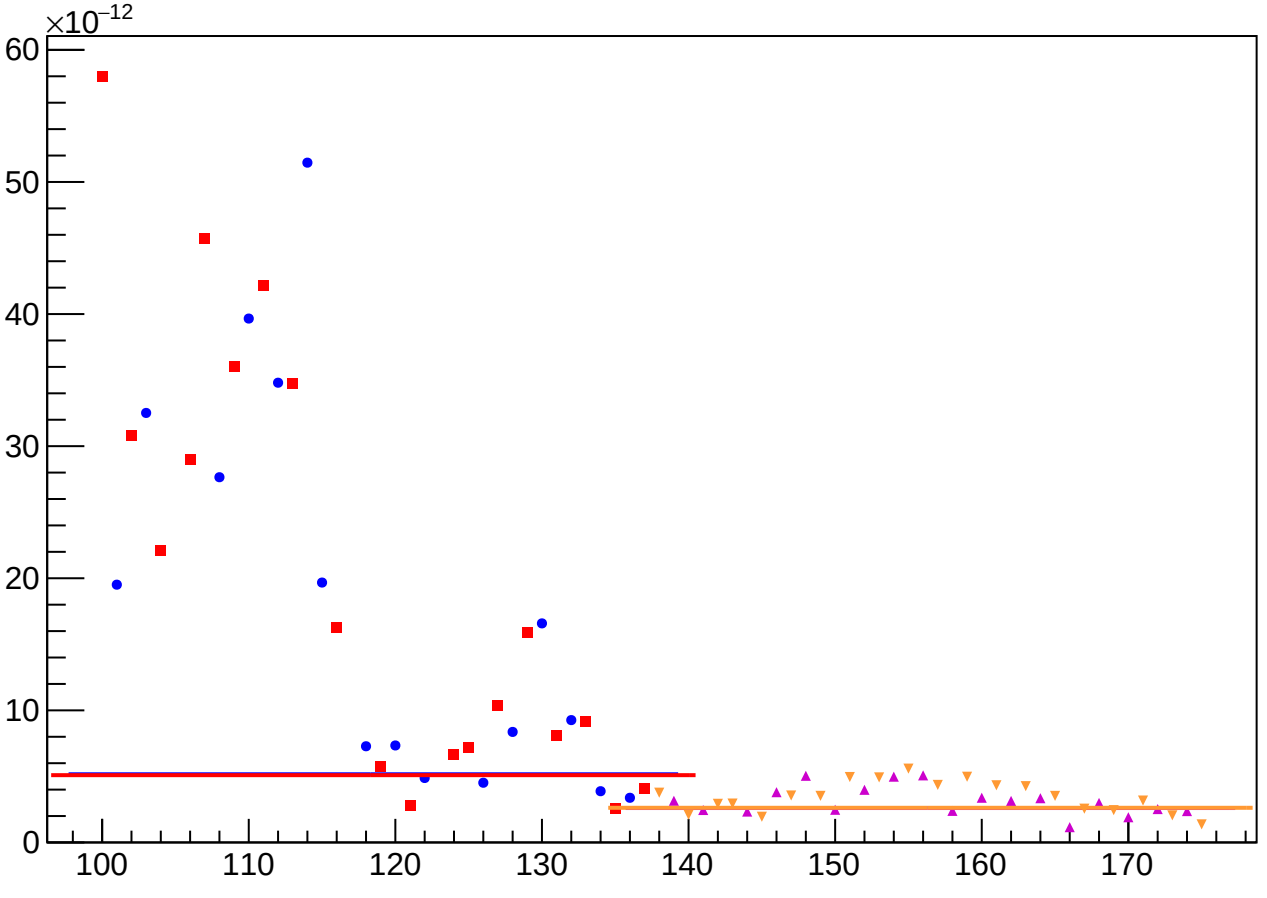
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:24.0/33

Out: -0.000+/-0.000 χ^2/NDF:41.1/38

All: 0.000+/-0.000 χ^2/NDF: 65.2/72

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2022588.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1249670.3/17

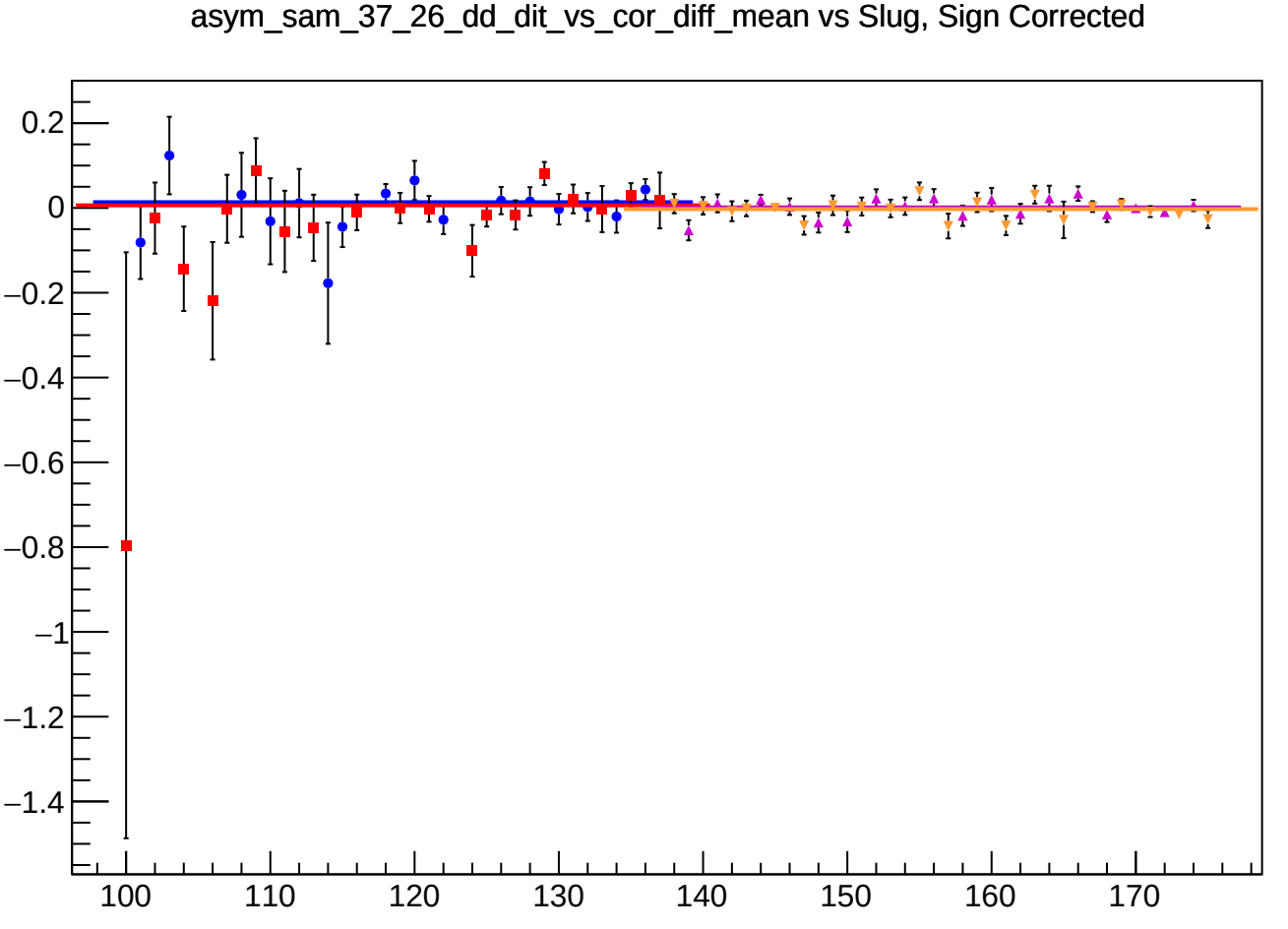
Left: 0.000+/-0.000 χ^2/NDF: 3272503.1/37

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4749638.9/33

Out: 0.000+/-0.000 χ^2/NDF:5984233.8/38

All: 0.000+/-0.000 χ^2/NDF: 10735250.0/72



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

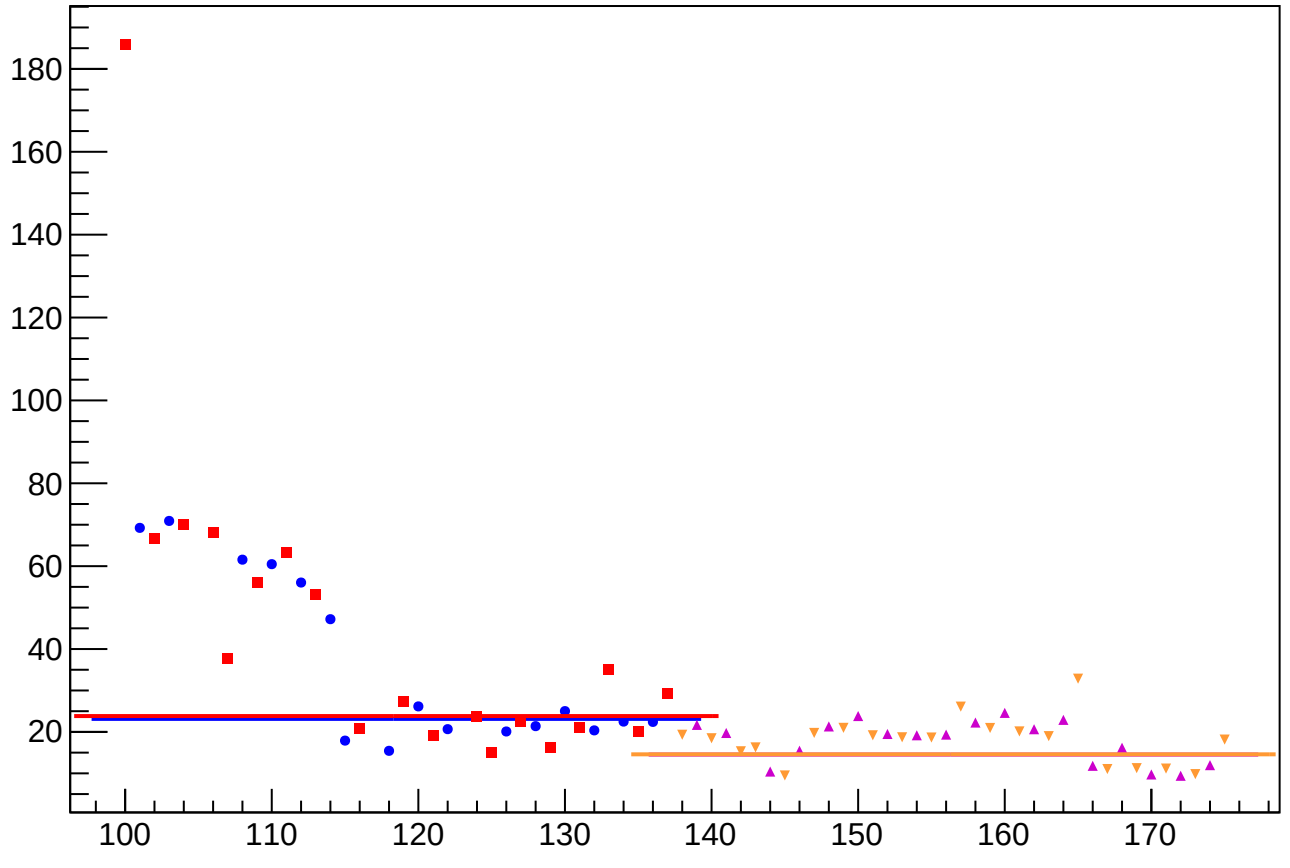
Left: -0.001+/-0.003 χ^2/NDF: 41.9/37

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.0/72



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982085.7/19

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

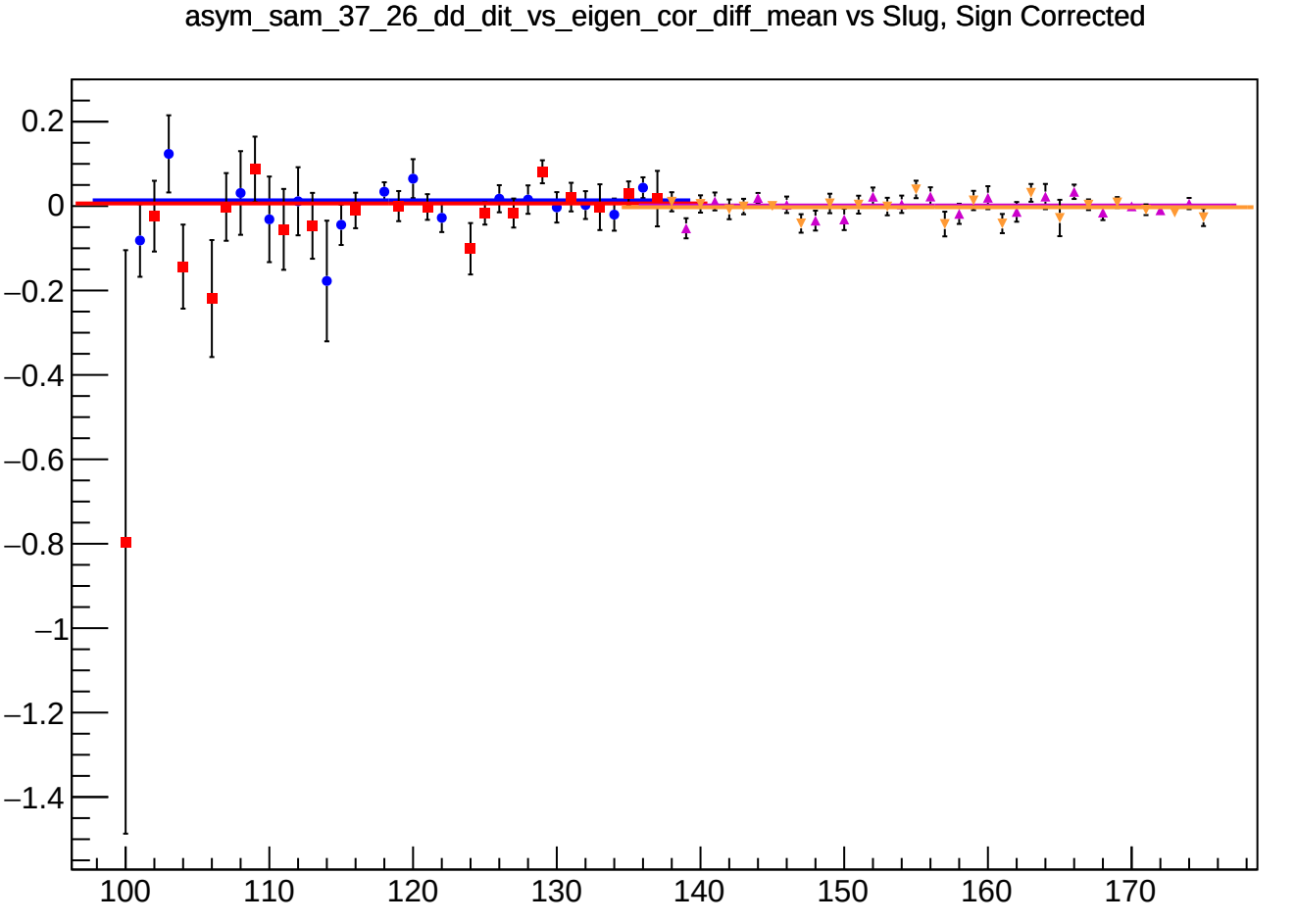
Left: 14.561+/-0.002 χ^2/NDF: 6033008.1/37

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.809+/-0.003 χ^2/NDF:6761066.3/33

Out: 15.818+/-0.003 χ^2/NDF:7339990.3/38

All: 15.814+/-0.002 χ^2/NDF: 14101063.3/72



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

Left: -0.001+/-0.003 χ^2/NDF: 41.9/37

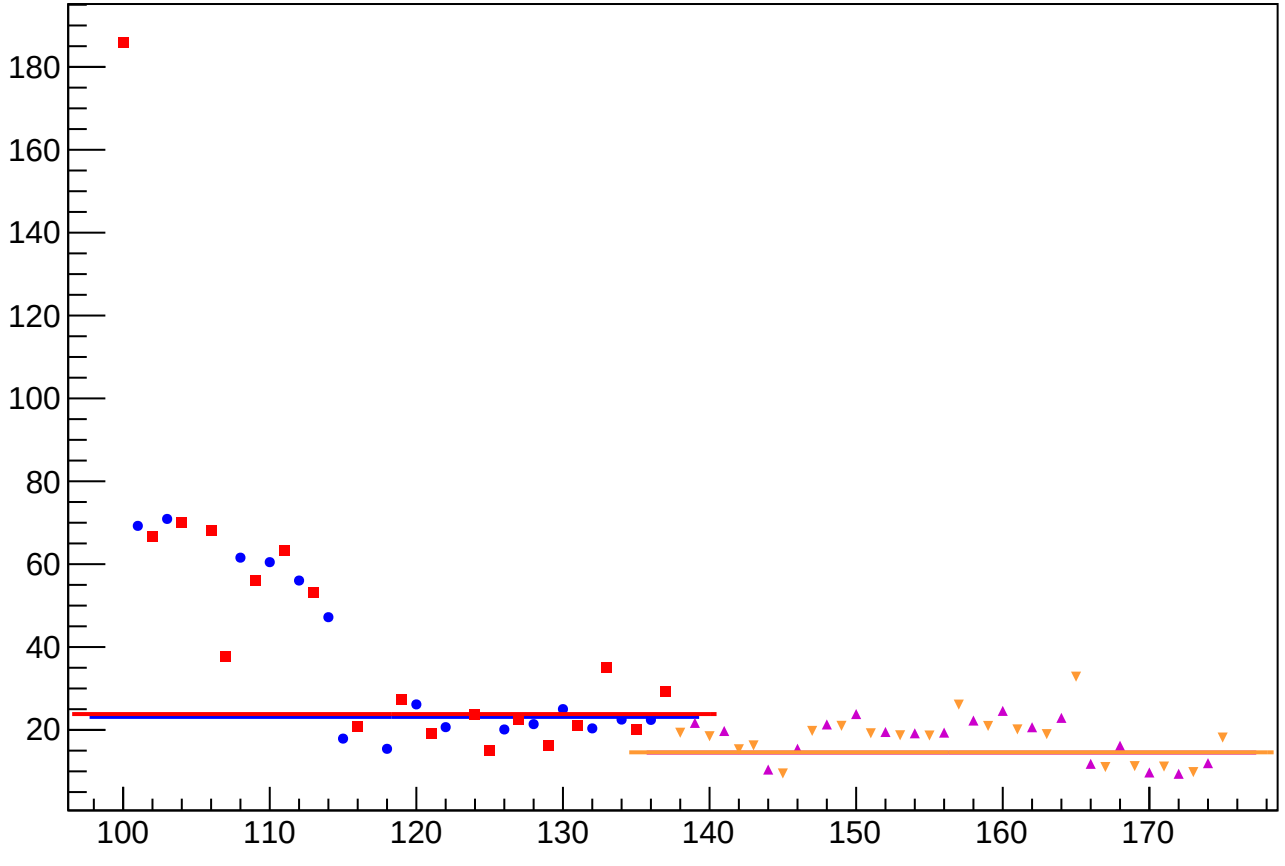
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.0/72

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982085.7/19

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

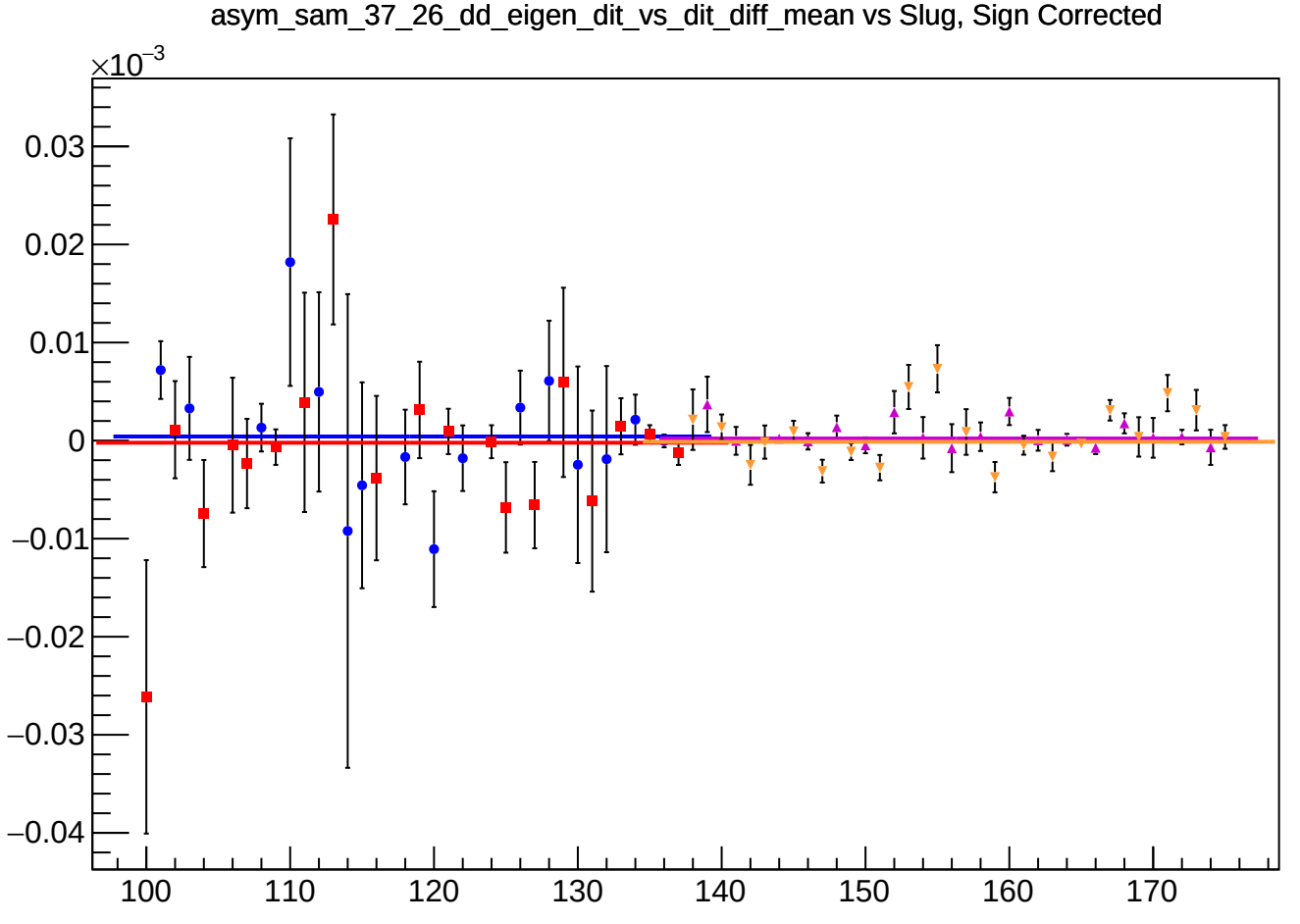
Left: 14.561+/-0.002 χ^2/NDF: 6033008.1/37

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.809+/-0.003 χ^2/NDF:6761066.3/33

Out: 15.818+/-0.003 χ^2/NDF:7339990.3/38

All: 15.814+/-0.002 χ^2/NDF: 14101063.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

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

Left: 0.000+/-0.000 χ^2/NDF: 73.7/37

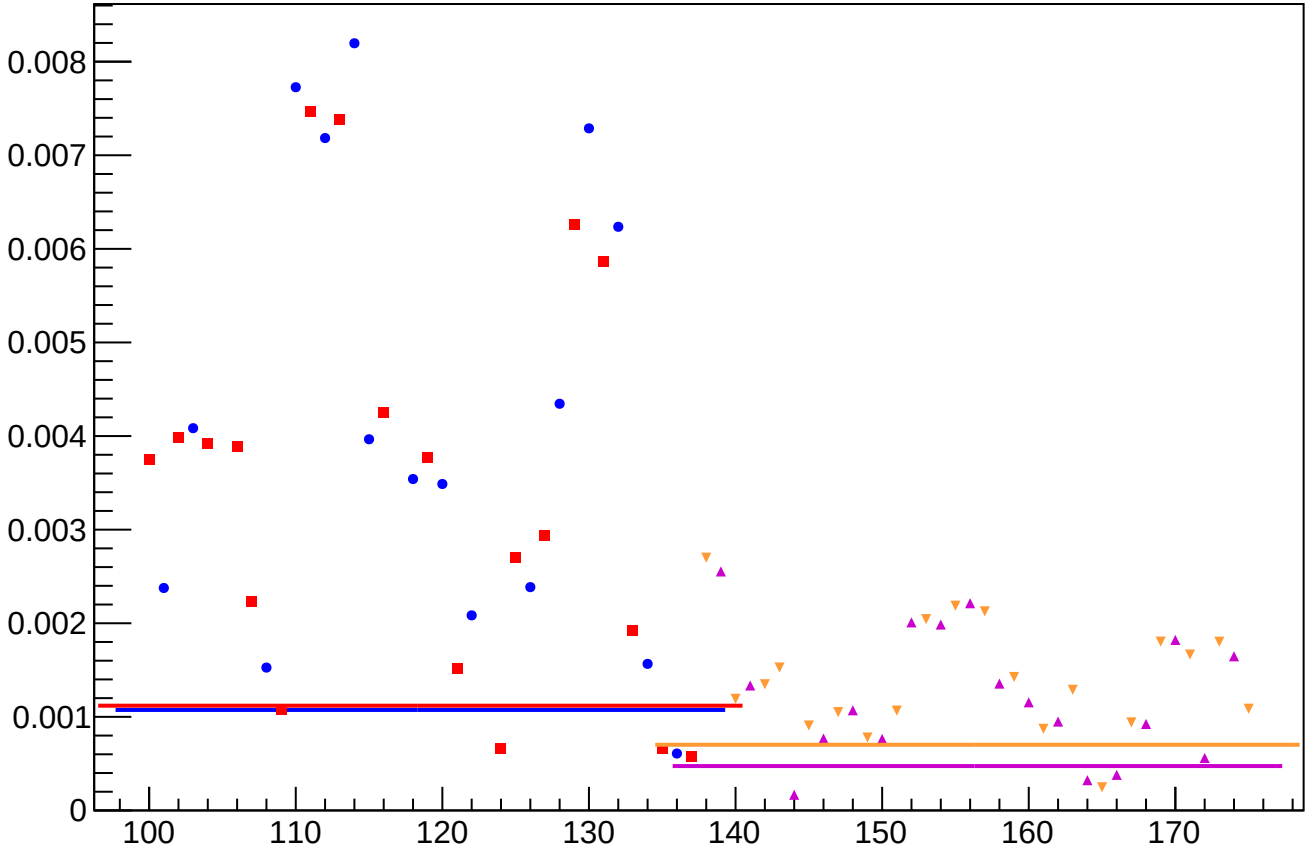
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:29.3/33

Out: -0.000+/-0.000 χ^2/NDF:76.4/38

All: 0.000+/-0.000 χ^2/NDF: 107.5/72

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:11401035.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12736260.8/17

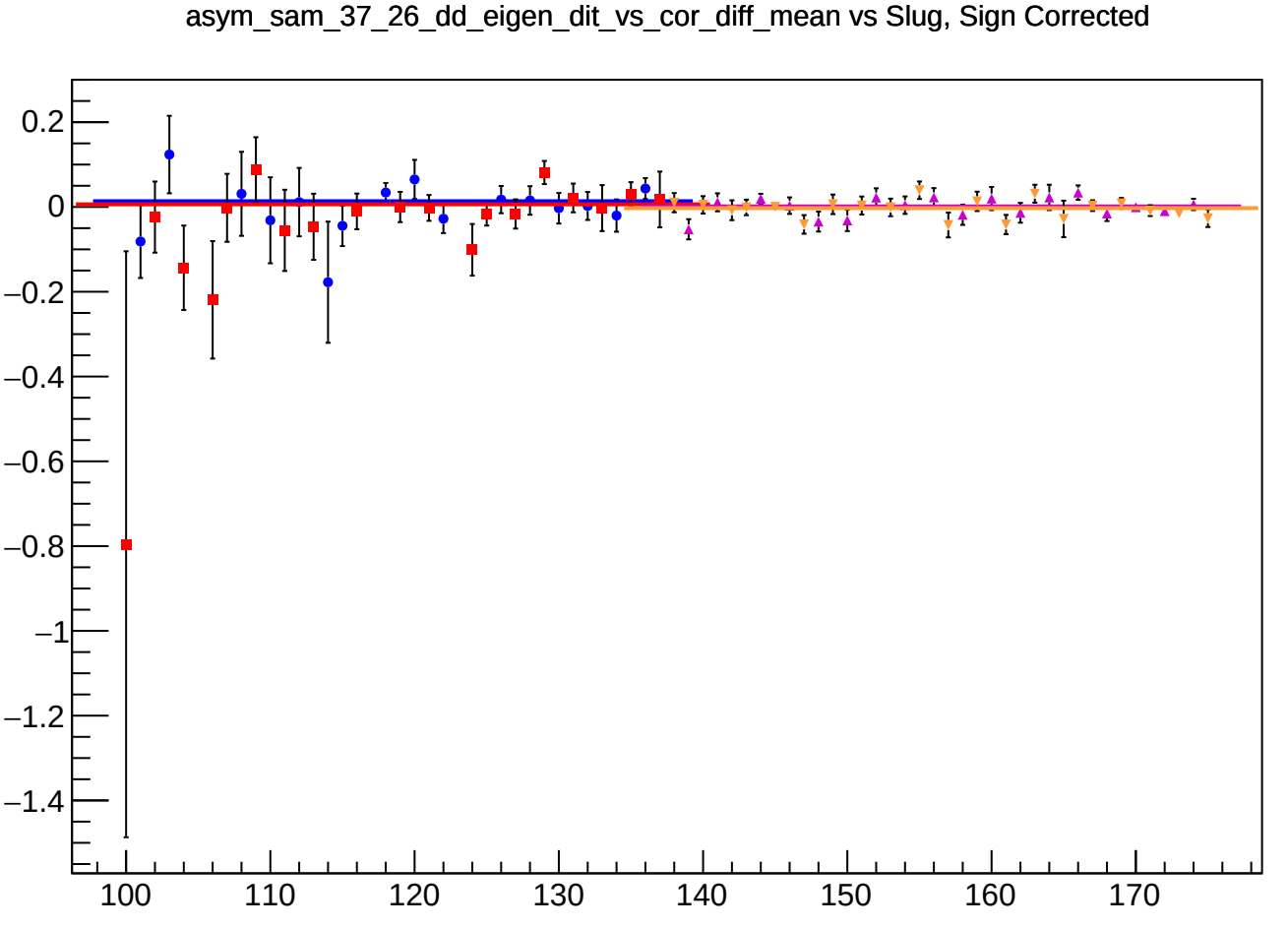
Left: 0.001+/-0.000 χ^2/NDF: 25384637.3/37

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:21850729.8/33

Out: 0.001+/-0.000 χ^2/NDF:19129755.7/38

All: 0.001+/-0.000 χ^2/NDF: 42406929.3/72



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

Left: -0.001+/-0.003 χ^2/NDF: 41.9/37

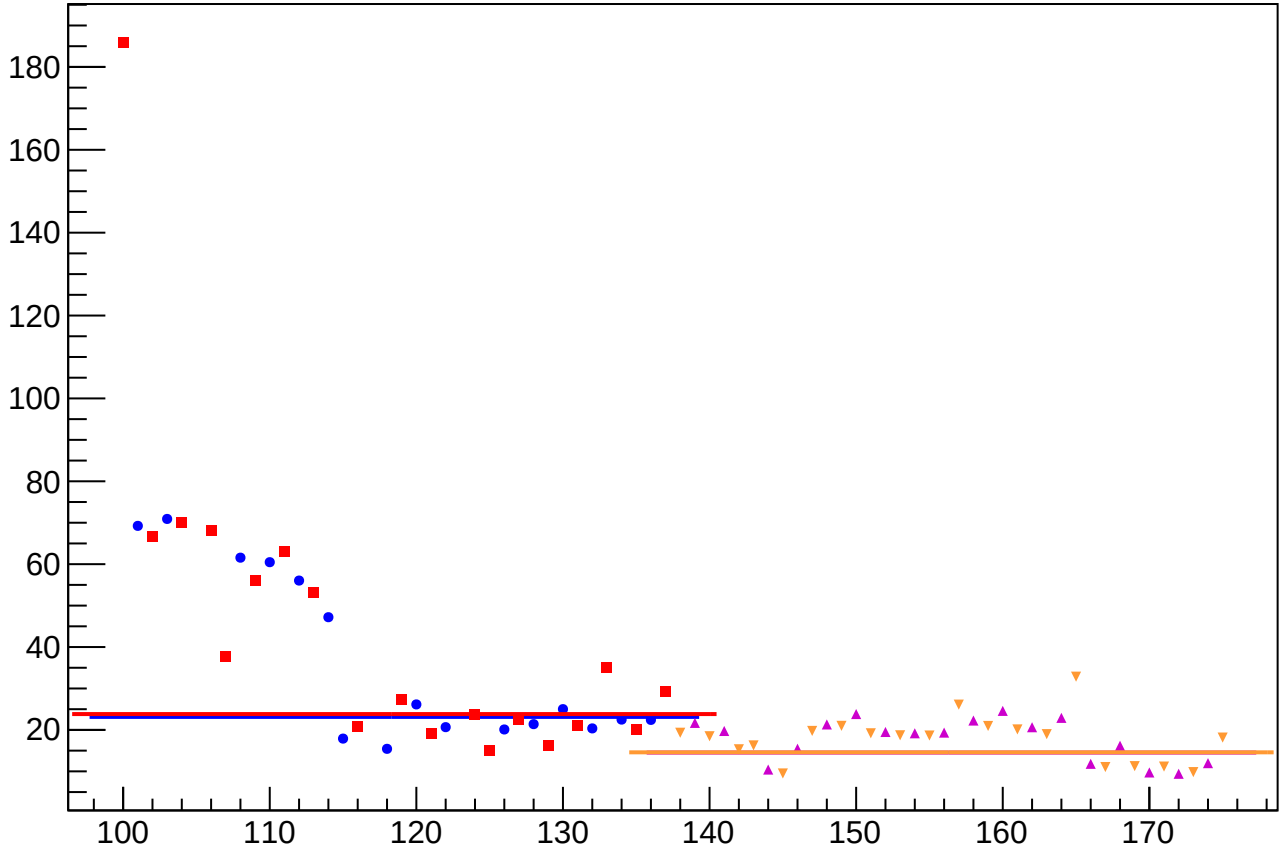
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.0/72

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982230.6/19

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

Left: 14.561+/-0.002 χ^2/NDF: 6033190.9/37

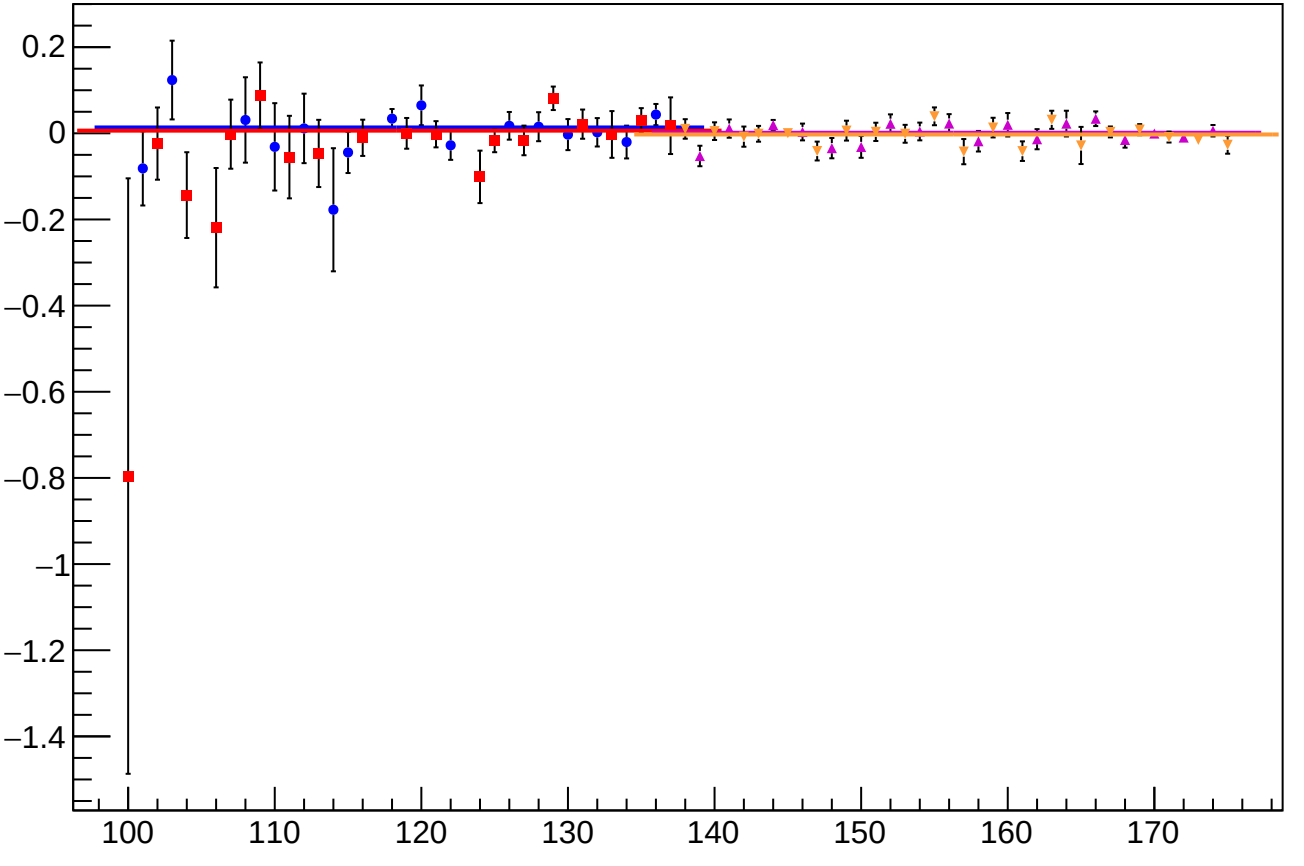
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.809+/-0.003 χ^2/NDF:6760816.4/33

Out: 15.819+/-0.003 χ^2/NDF:7339935.6/38

All: 15.814+/-0.002 χ^2/NDF: 14100758.9/72

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

Left: -0.001+/-0.003 χ^2/NDF: 41.9/37

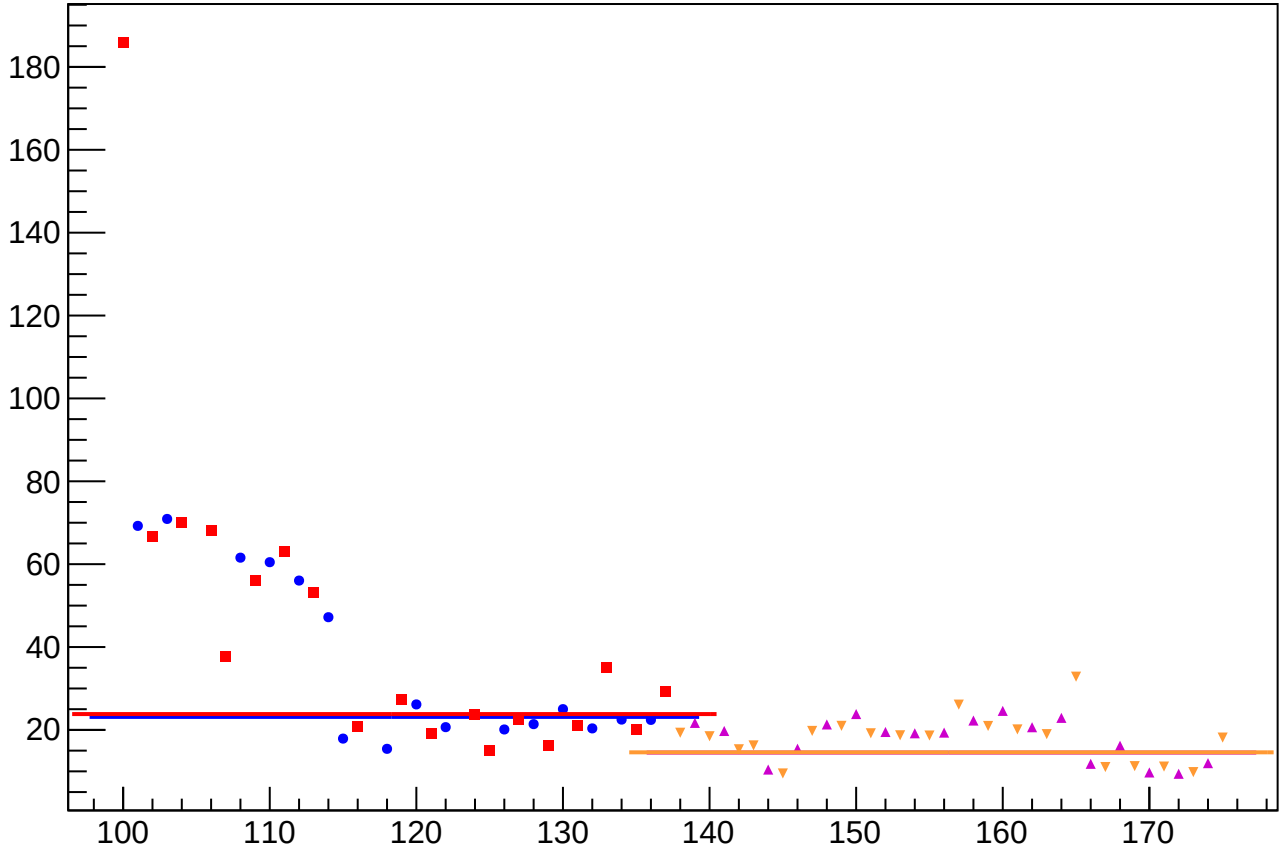
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.0/72

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.590+/-0.003 χ^2/NDF:2982230.6/19

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

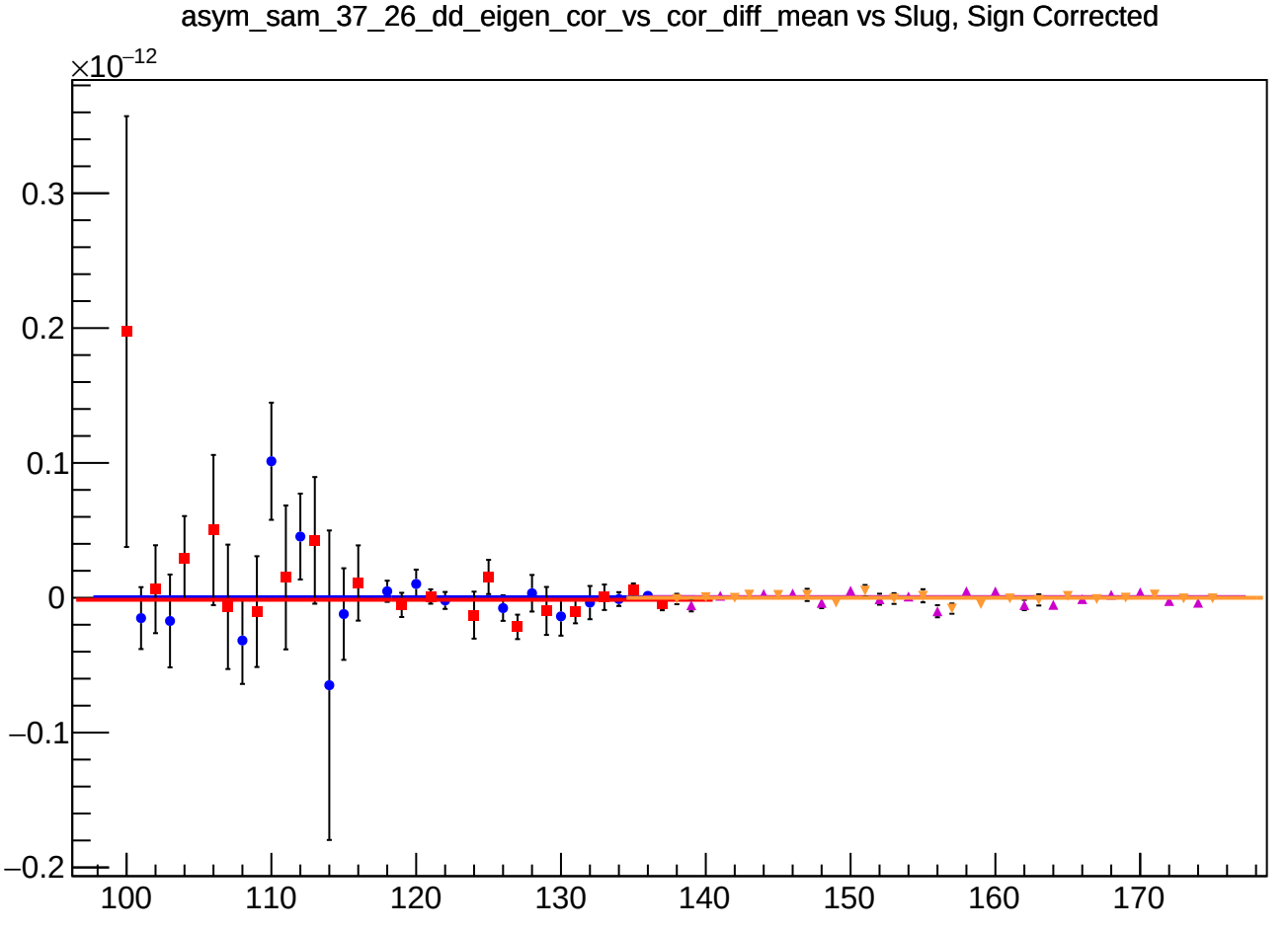
Left: 14.561+/-0.002 χ^2/NDF: 6033190.9/37

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.809+/-0.003 χ^2/NDF:6760816.4/33

Out: 15.819+/-0.003 χ^2/NDF:7339935.6/38

All: 15.814+/-0.002 χ^2/NDF: 14100758.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:30.0/17

Left: 0.000+/-0.000 χ^2/NDF: 43.9/37

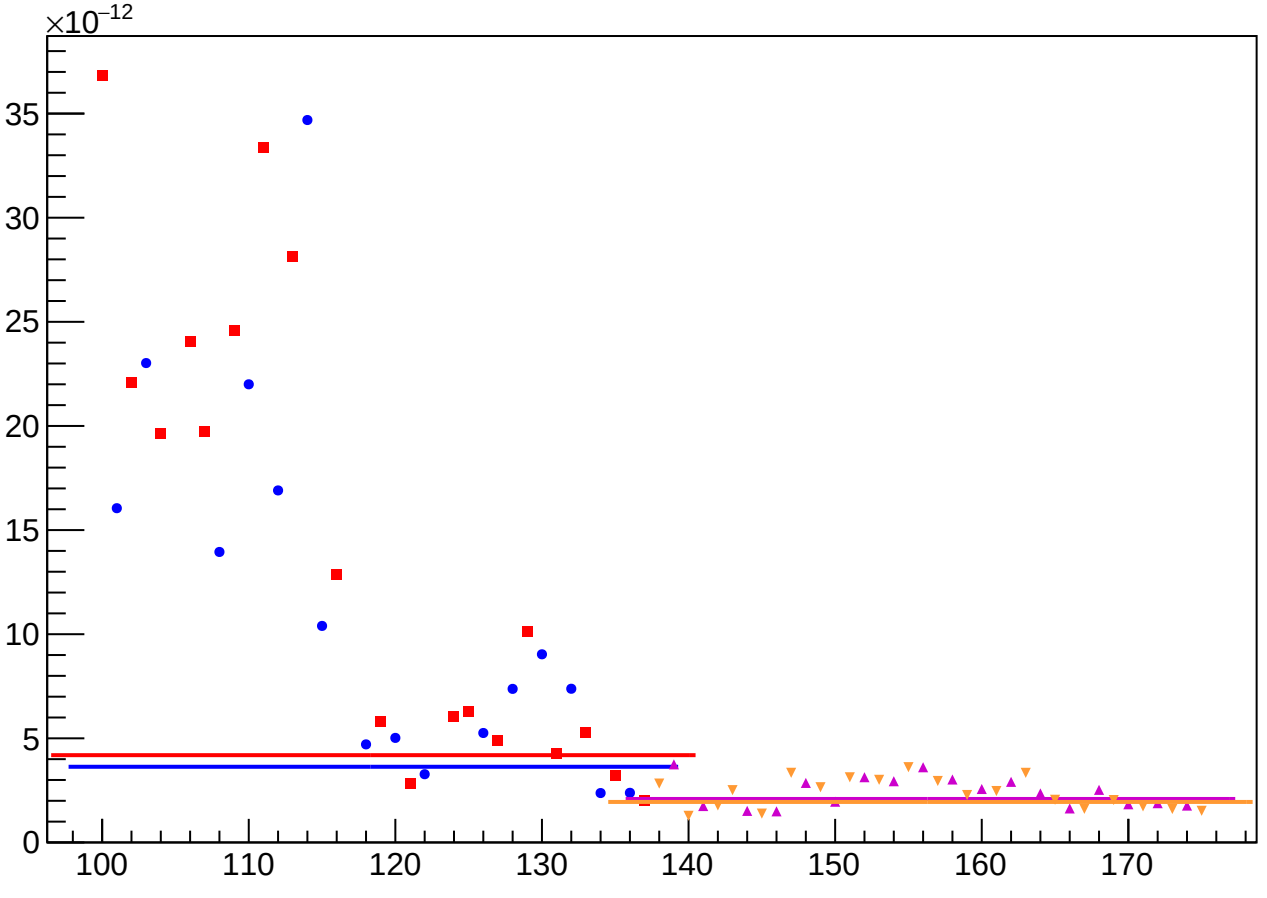
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:42.9/33

Out: -0.000+/-0.000 χ^2/NDF:29.6/38

All: 0.000+/-0.000 χ^2/NDF: 73.0/72

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2141131.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1655993.0/17

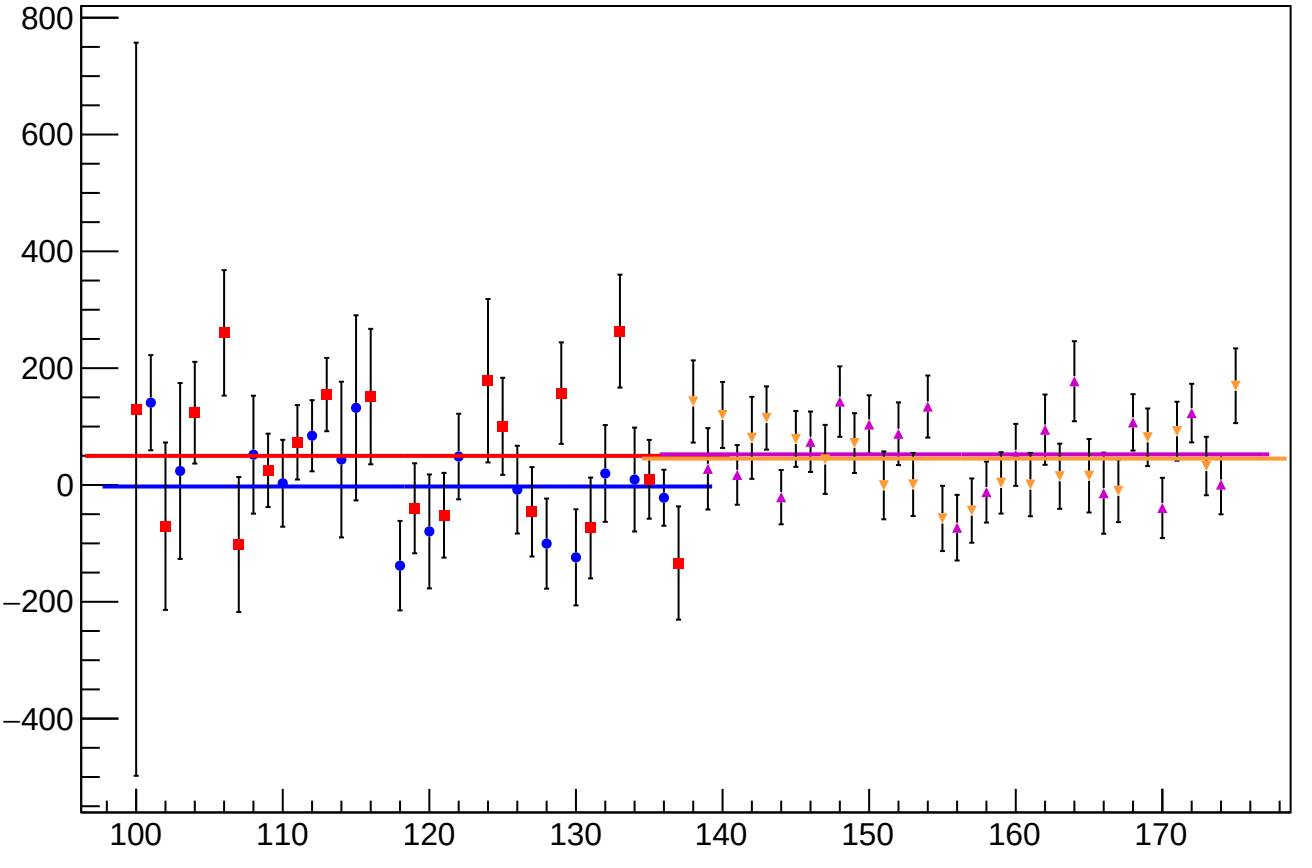
Left: 0.000+/-0.000 χ^2/NDF: 3845916.0/37

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6269289.2/33

Out: 0.000+/-0.000 χ^2/NDF:8296313.5/38

All: 0.000+/-0.000 χ^2/NDF: 14623321.5/72



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 45.147+/-12.382 χ^2/NDF:21.8/19

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 52.419+/-12.778 χ^2/NDF:28.1/17

Left: 48.668+/-8.892 χ^2/NDF: 50.0/37

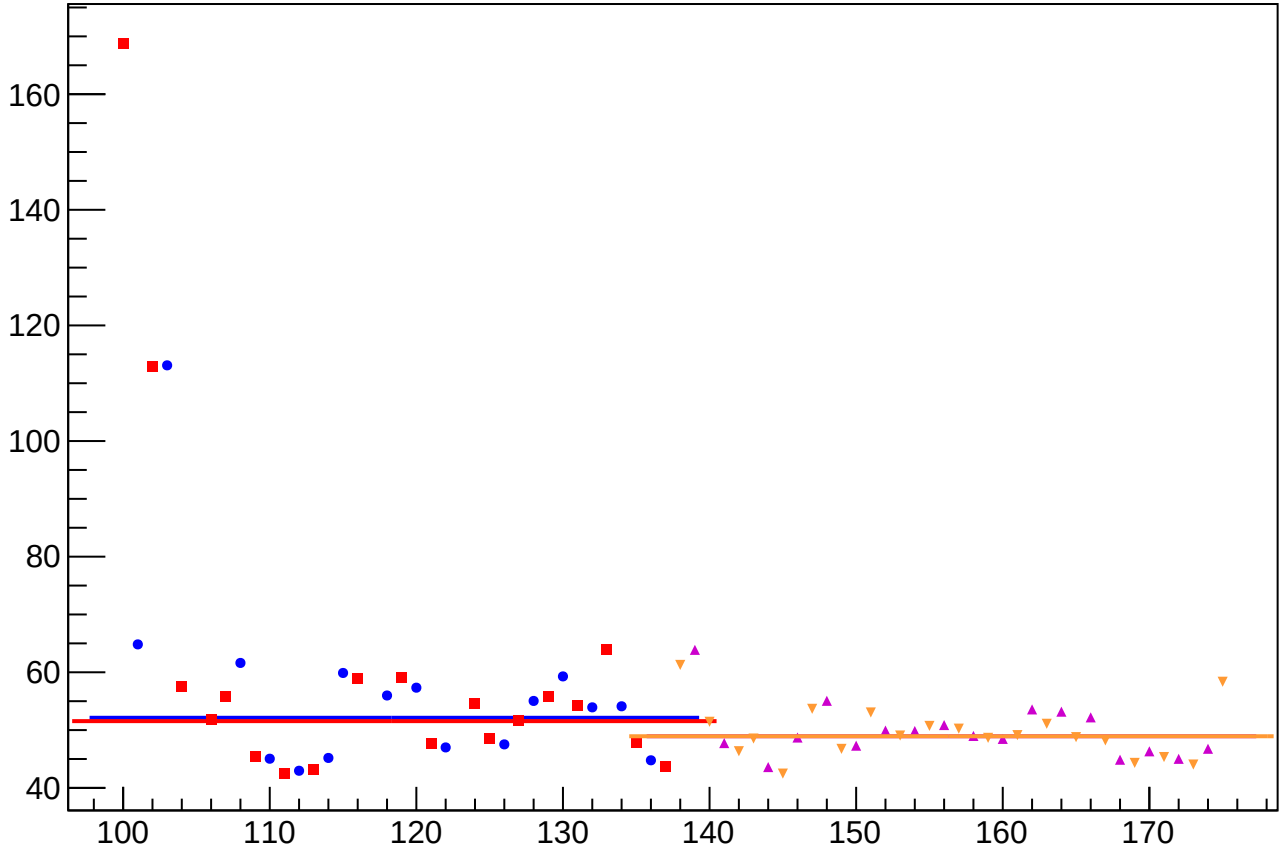
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 36.460+/-10.767 χ^2/NDF:48.1/33

Out: 46.475+/-10.471 χ^2/NDF:51.1/38

All: 41.607+/-7.507 χ^2/NDF: 99.6/72

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

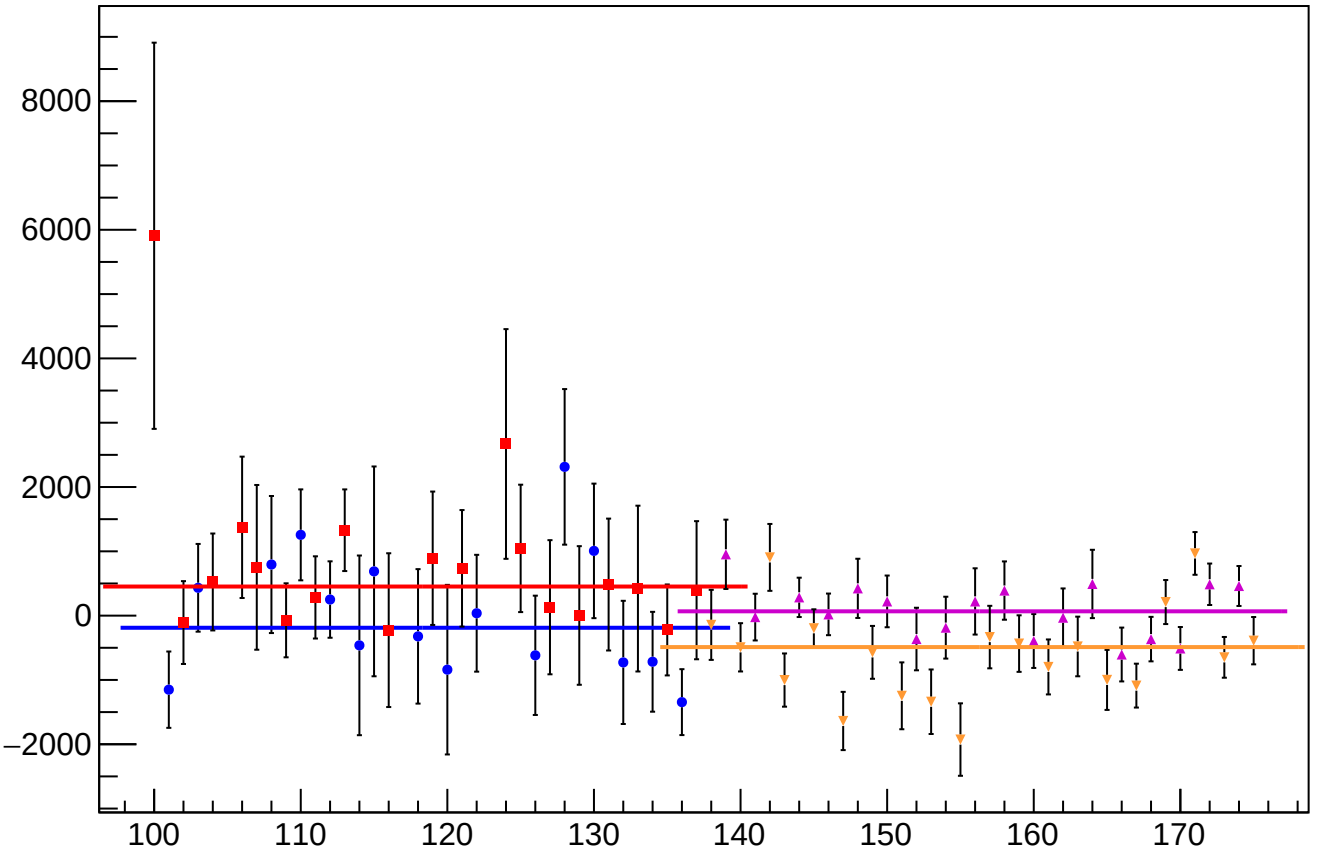
Left: 48.935+/-0.006 χ^2/NDF: 433173.5/37

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 49.862+/-0.008 χ^2/NDF:804198.4/33

Out: 49.679+/-0.007 χ^2/NDF:893074.1/38

All: 49.768+/-0.005 χ^2/NDF: 1697570.6/72



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -489.004+/-90.991 χ^2/NDF:56.8/19

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 67.068+/-92.651 χ^2/NDF:18.0/17

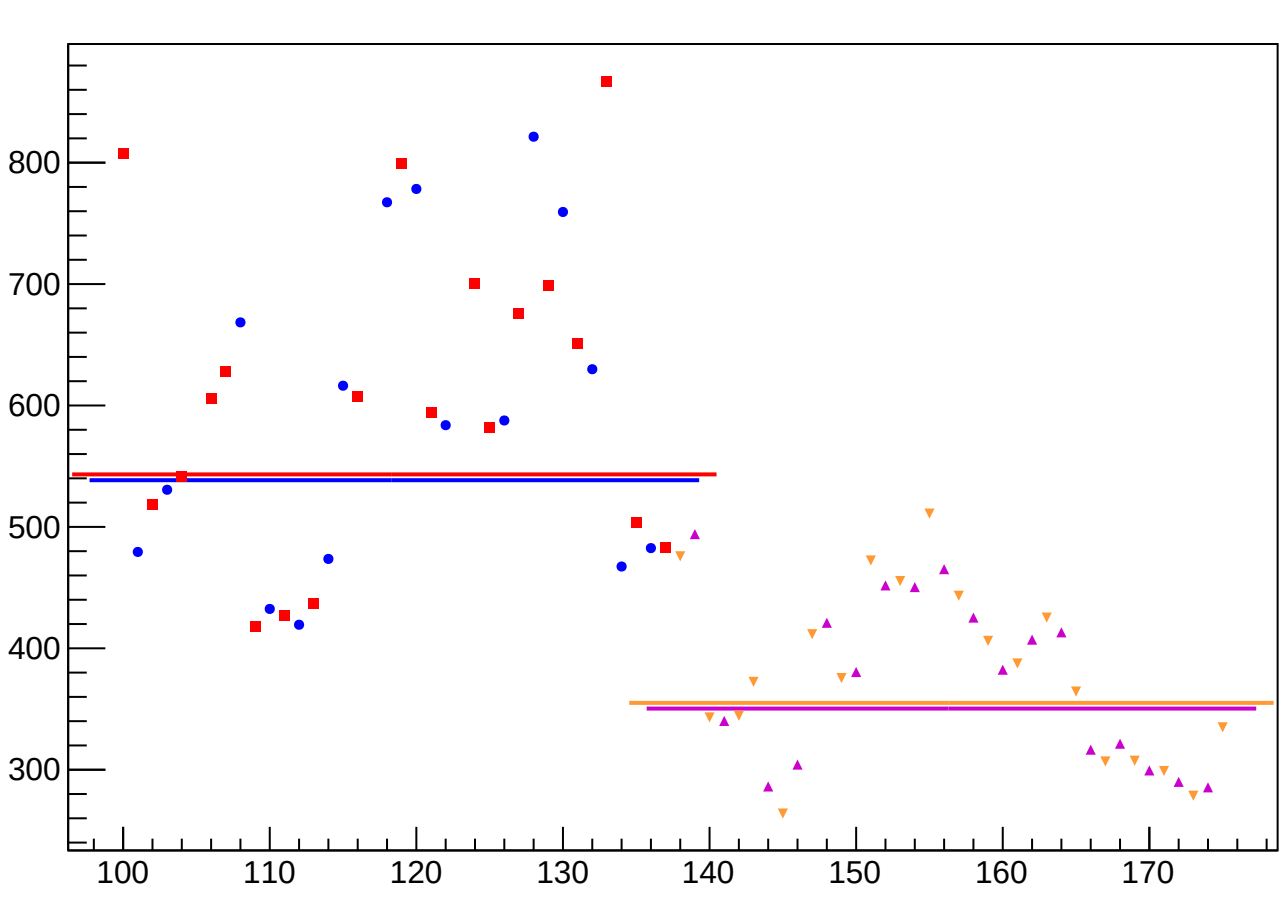
Left: -215.993+/-64.919 χ^2/NDF: 93.2/37

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 23.992+/-84.485 χ^2/NDF:40.7/33

Out: -332.663+/-83.094 χ^2/NDF:85.9/38

All: -157.295+/-59.242 χ^2/NDF: 135.6/72



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076287.7/19

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.3/17

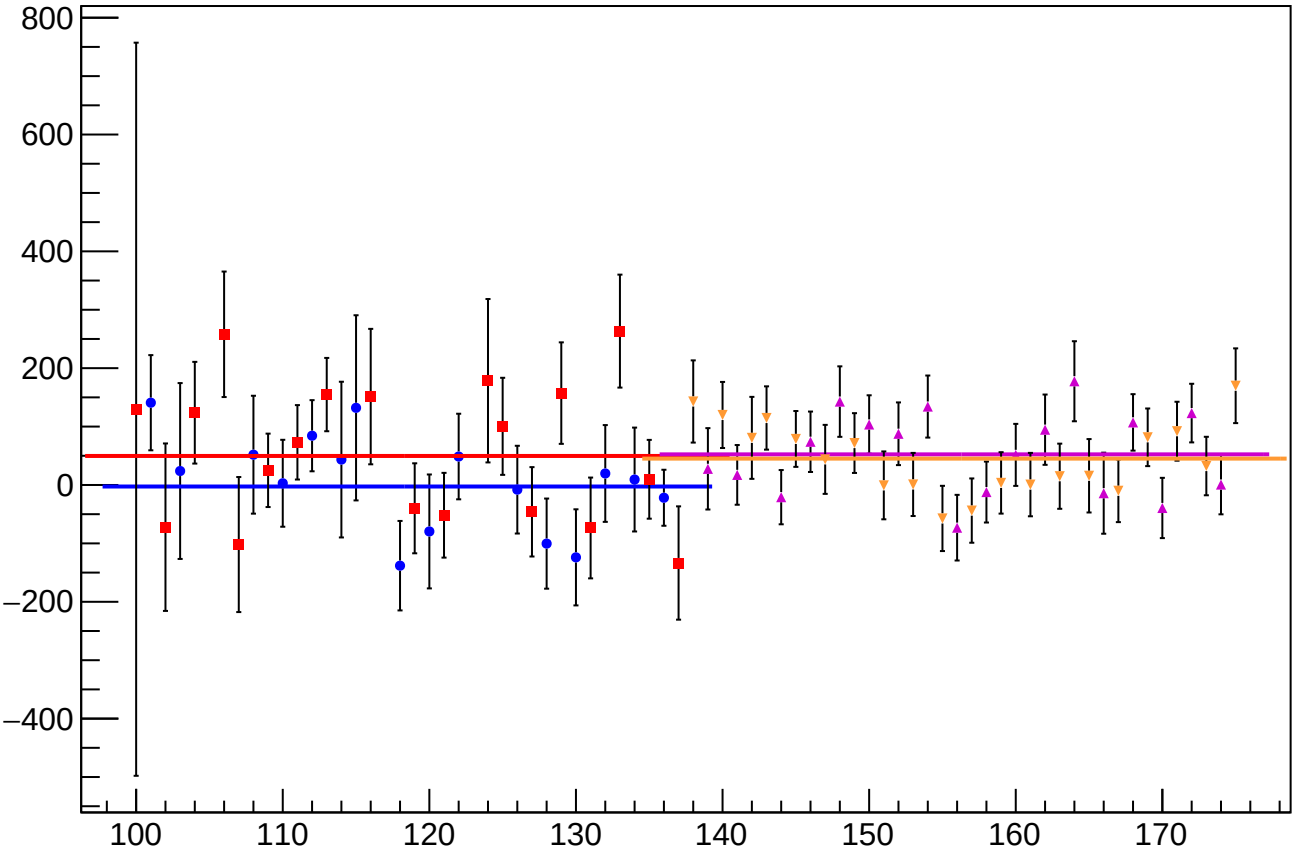
Left: 352.770+/-0.046 χ^2/NDF: 2039219.2/37

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 382.077+/-0.060 χ^2/NDF:2963180.8/33

Out: 386.318+/-0.059 χ^2/NDF:3133622.4/38

All: 384.232+/-0.042 χ^2/NDF: 6099365.4/72



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.417+/-12.778 χ^2/NDF:28.1/17

Left: 48.668+/-8.892 χ^2/NDF: 50.0/37

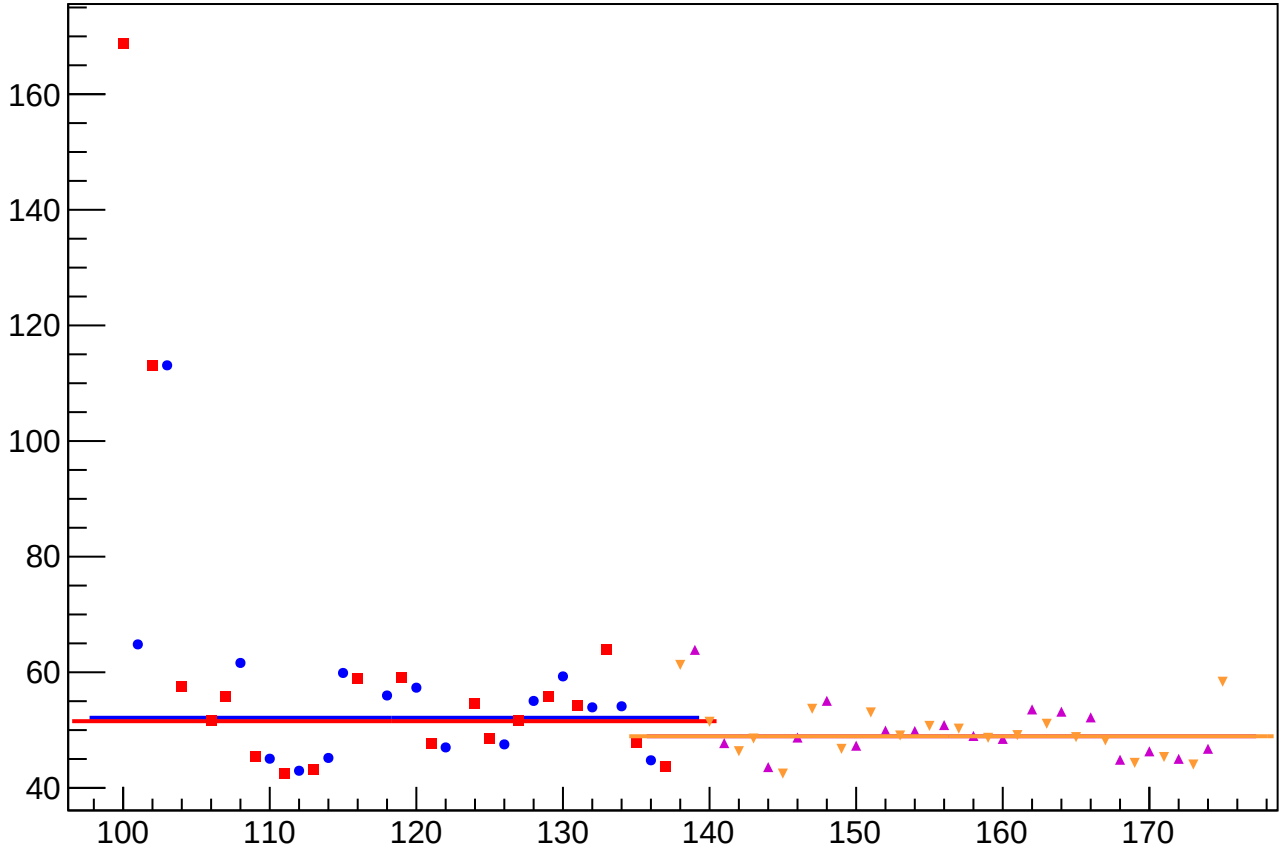
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 36.457+/-10.767 χ^2/NDF:48.1/33

Out: 46.443+/-10.471 χ^2/NDF:51.1/38

All: 41.589+/-7.507 χ^2/NDF: 99.6/72

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

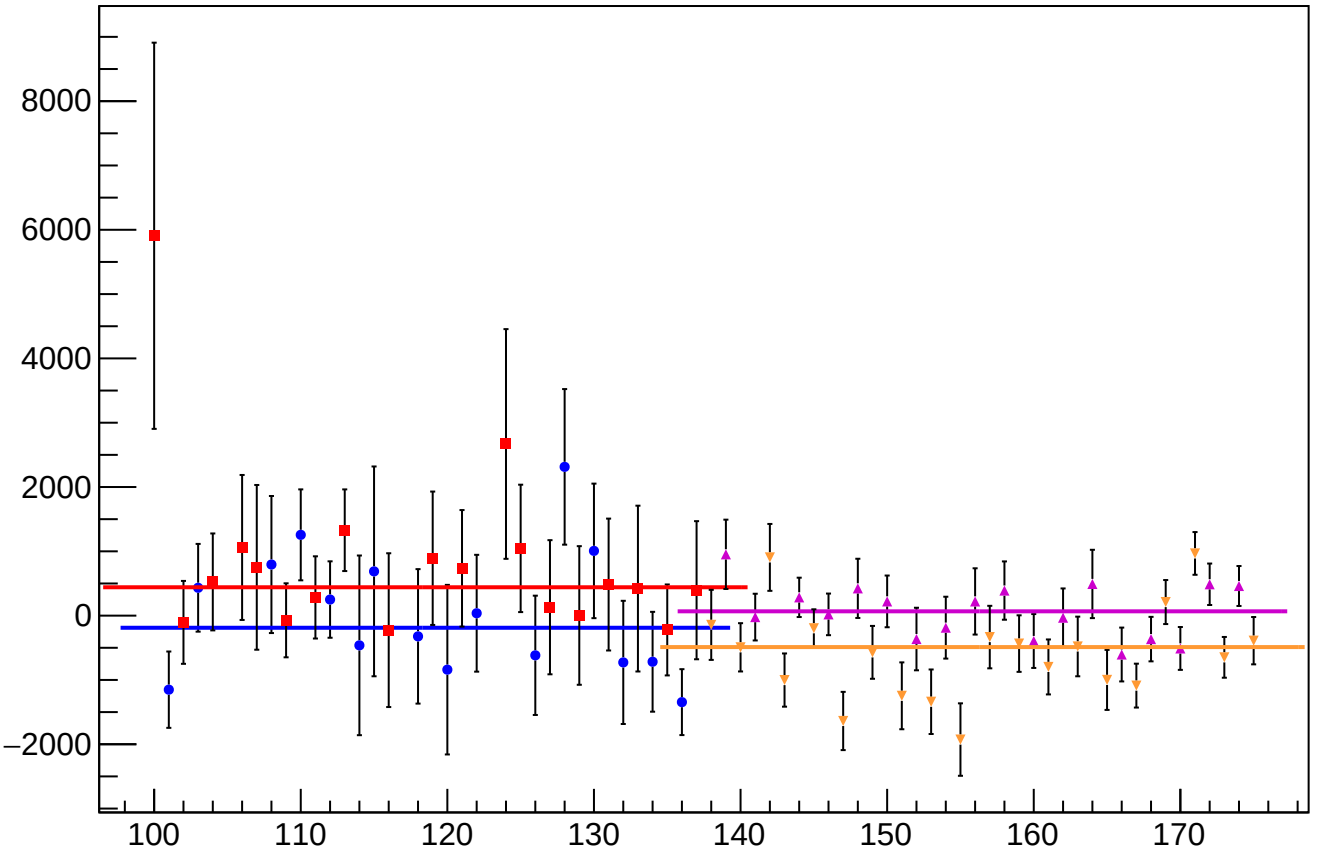
Left: 48.935+/-0.006 χ^2/NDF: 433173.5/37

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.862+/-0.008 χ^2/NDF:804200.6/33

Out: 49.676+/-0.007 χ^2/NDF:893093.0/38

All: 49.766+/-0.005 χ^2/NDF: 1697601.5/72



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -489.002+/-90.991 χ^2/NDF:56.8/19

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 67.069+/-92.651 χ^2/NDF:18.0/17

Left: -215.992+/-64.919 χ^2/NDF: 93.2/37

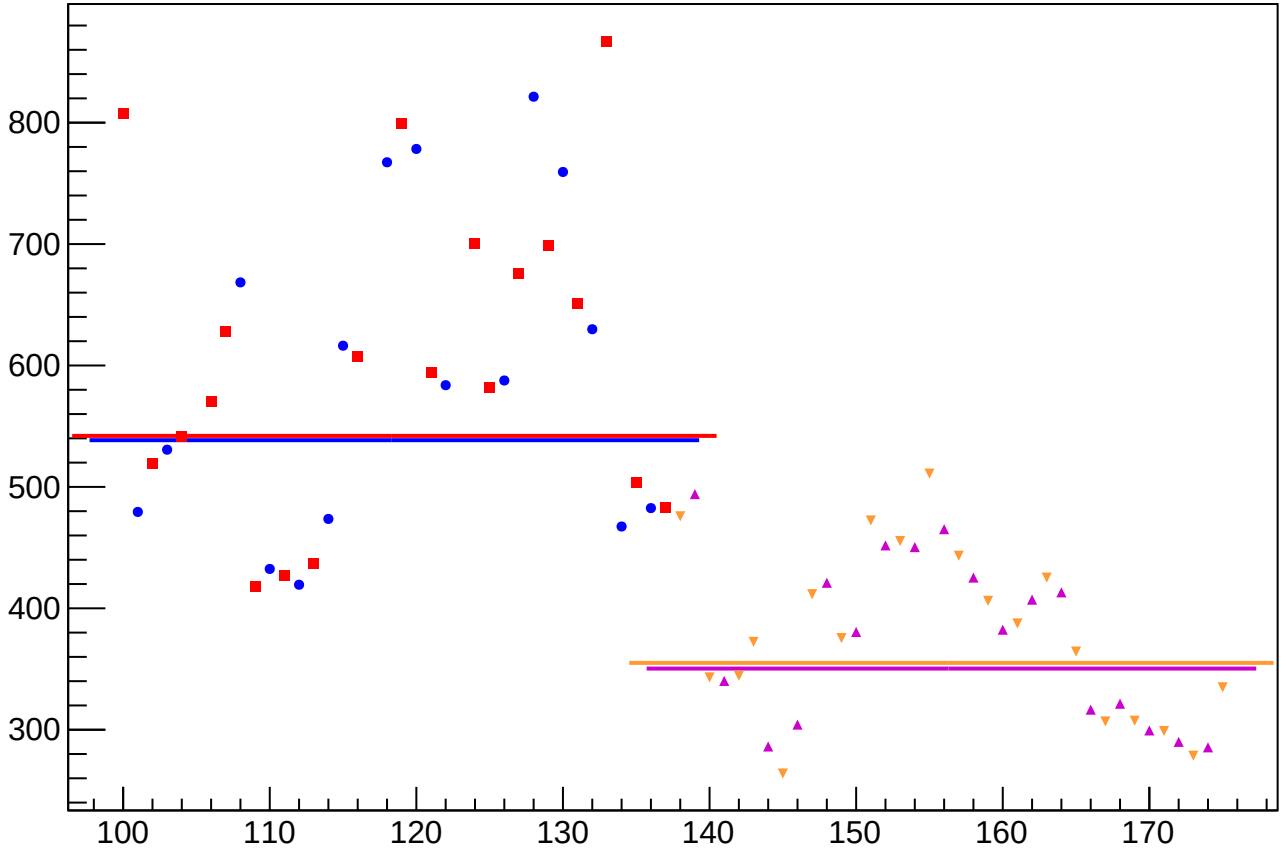
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 23.997+/-84.485 χ^2/NDF:40.7/33

Out: -334.793+/-83.107 χ^2/NDF:85.0/38

All: -158.347+/-59.247 χ^2/NDF: 134.8/72

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

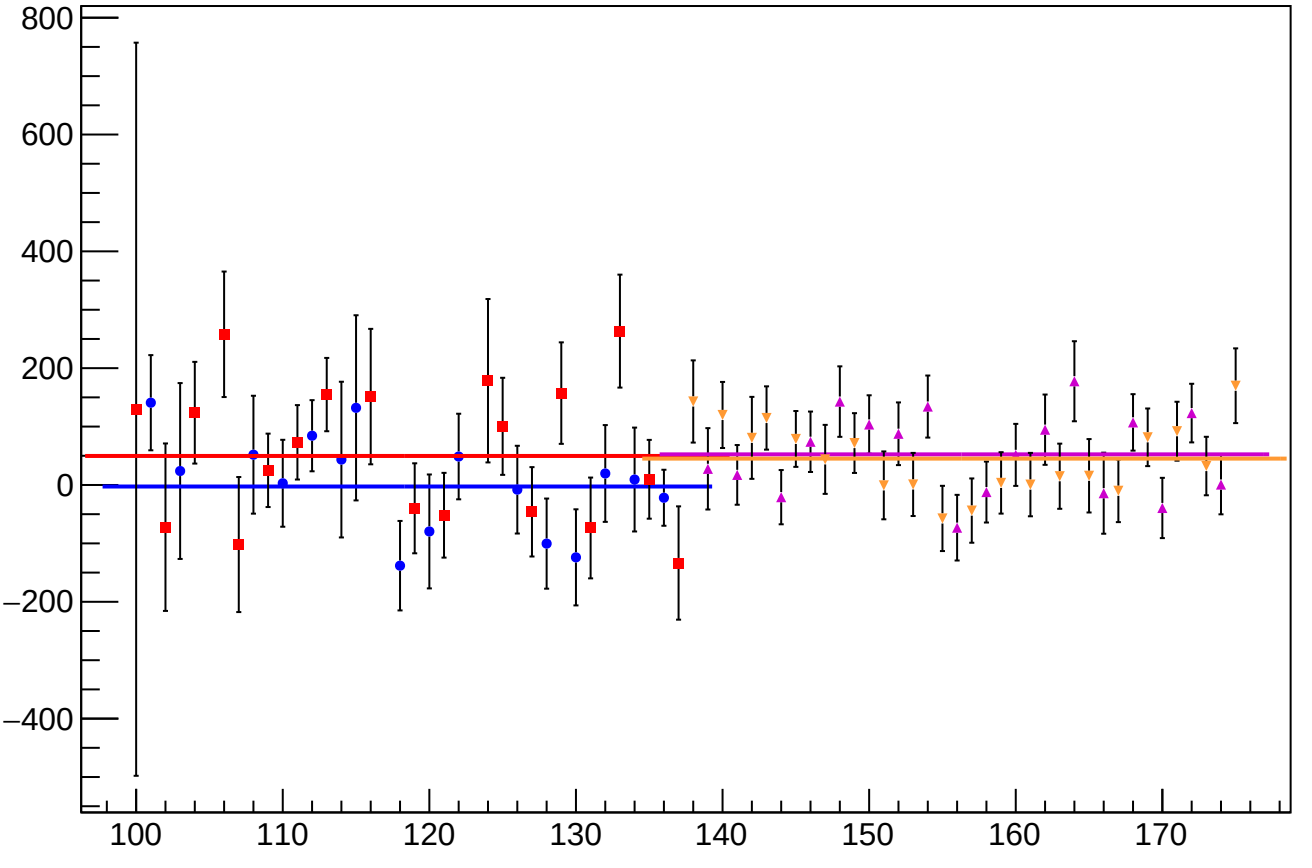
Left: 352.770+/-0.046 χ^2/NDF: 2039223.6/37

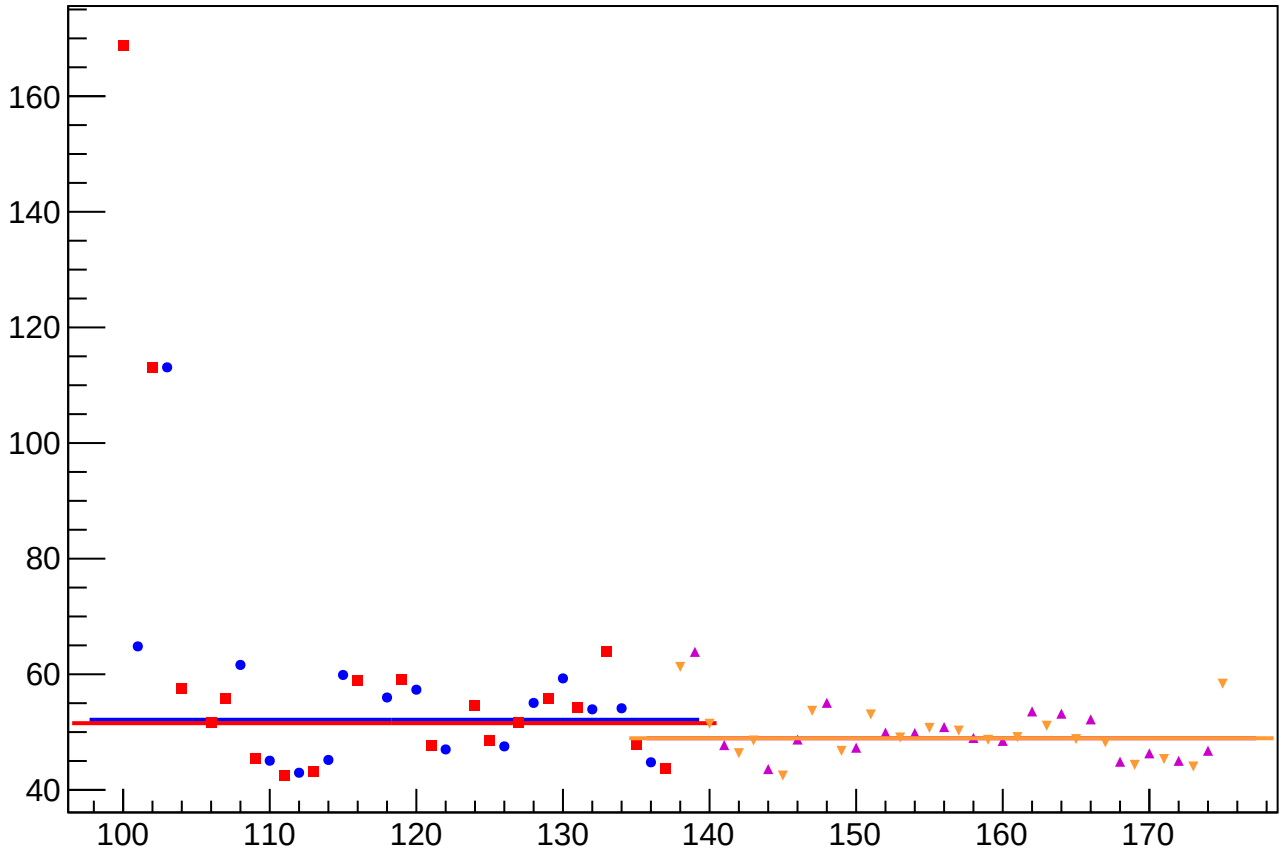
Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 382.077+/-0.060 χ^2/NDF:2963234.4/33

Out: 386.067+/-0.059 χ^2/NDF:3107560.8/38

All: 384.105+/-0.042 χ^2/NDF: 6073062.3/72


eigen_cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 45.148+/-12.382 χ²/NDF:21.8/19
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 52.417+/-12.778 χ²/NDF:28.1/17
Left: 48.668+/-8.892 χ²/NDF: 50.0/37
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 36.457+/-10.767 χ²/NDF:48.1/33
Out: 46.443+/-10.471 χ²/NDF:51.1/38
All: 41.589+/-7.507 χ²/NDF: 99.6/72



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

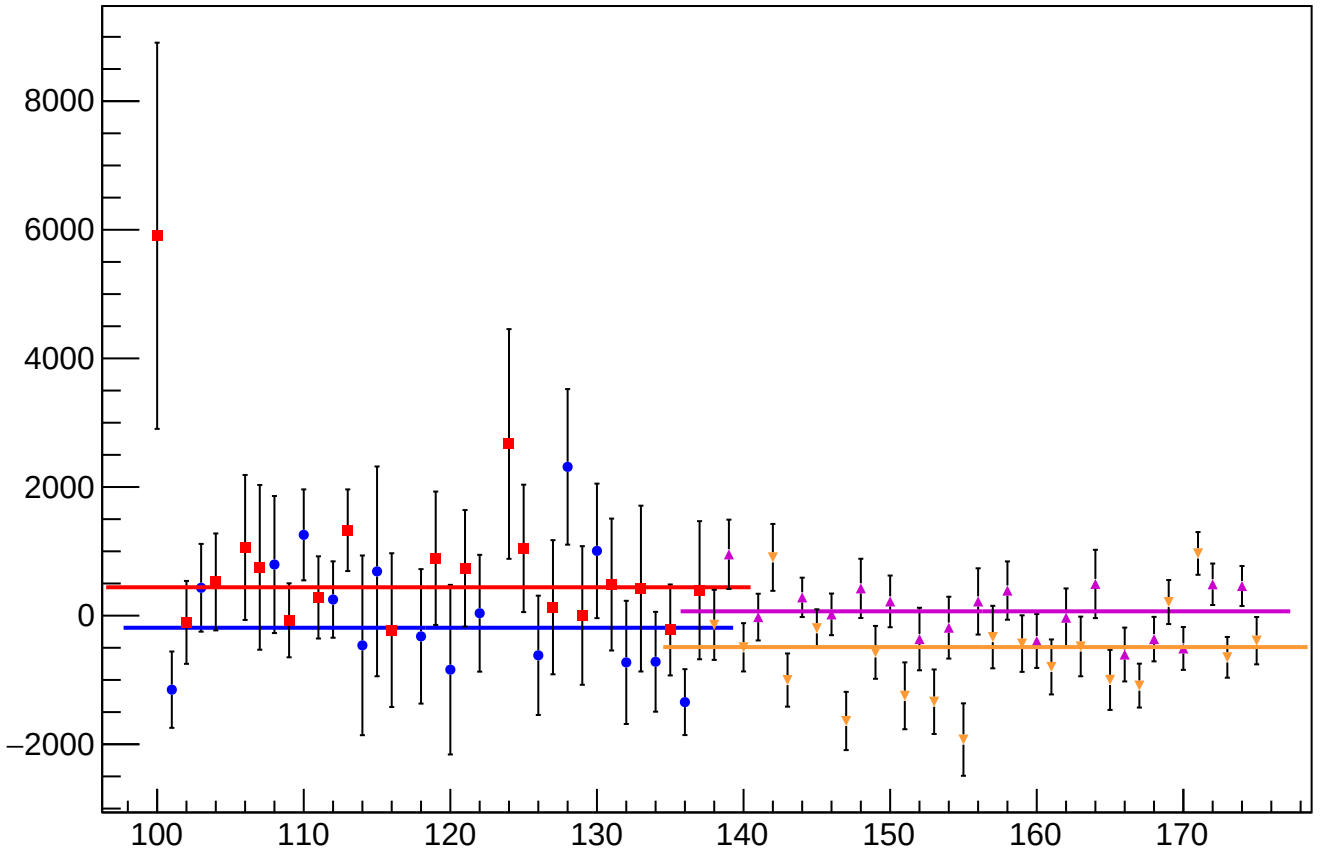
Left: 48.935+/-0.006 χ^2/NDF: 433173.5/37

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.862+/-0.008 χ^2/NDF:804200.6/33

Out: 49.676+/-0.007 χ^2/NDF:893093.0/38

All: 49.766+/-0.005 χ^2/NDF: 1697601.5/72



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -489.002+/-90.991 χ^2/NDF:56.8/19

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 67.069+/-92.651 χ^2/NDF:18.0/17

Left: -215.992+/-64.919 χ^2/NDF: 93.2/37

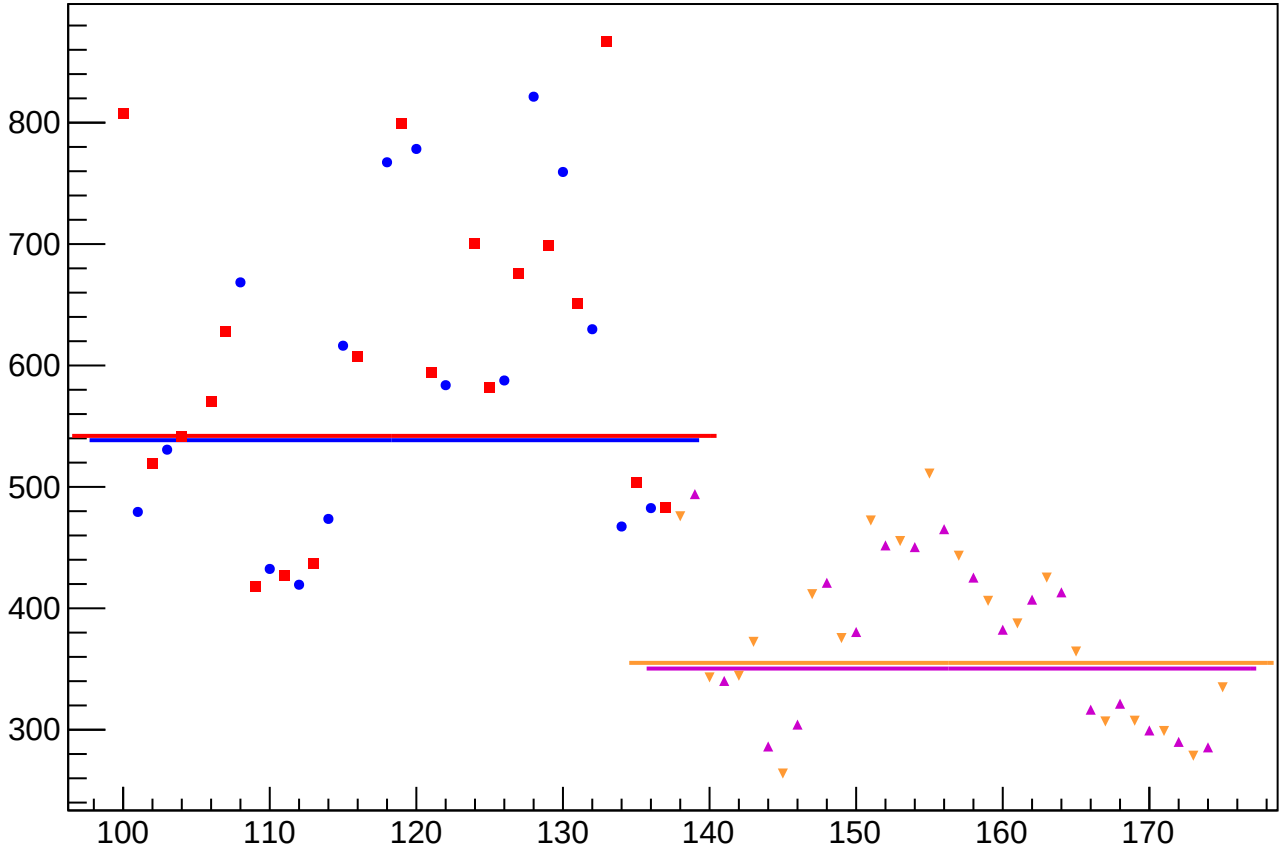
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 23.997+/-84.485 χ^2/NDF:40.7/33

Out: -334.793+/-83.107 χ^2/NDF:85.0/38

All: -158.347+/-59.247 χ^2/NDF: 134.8/72

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

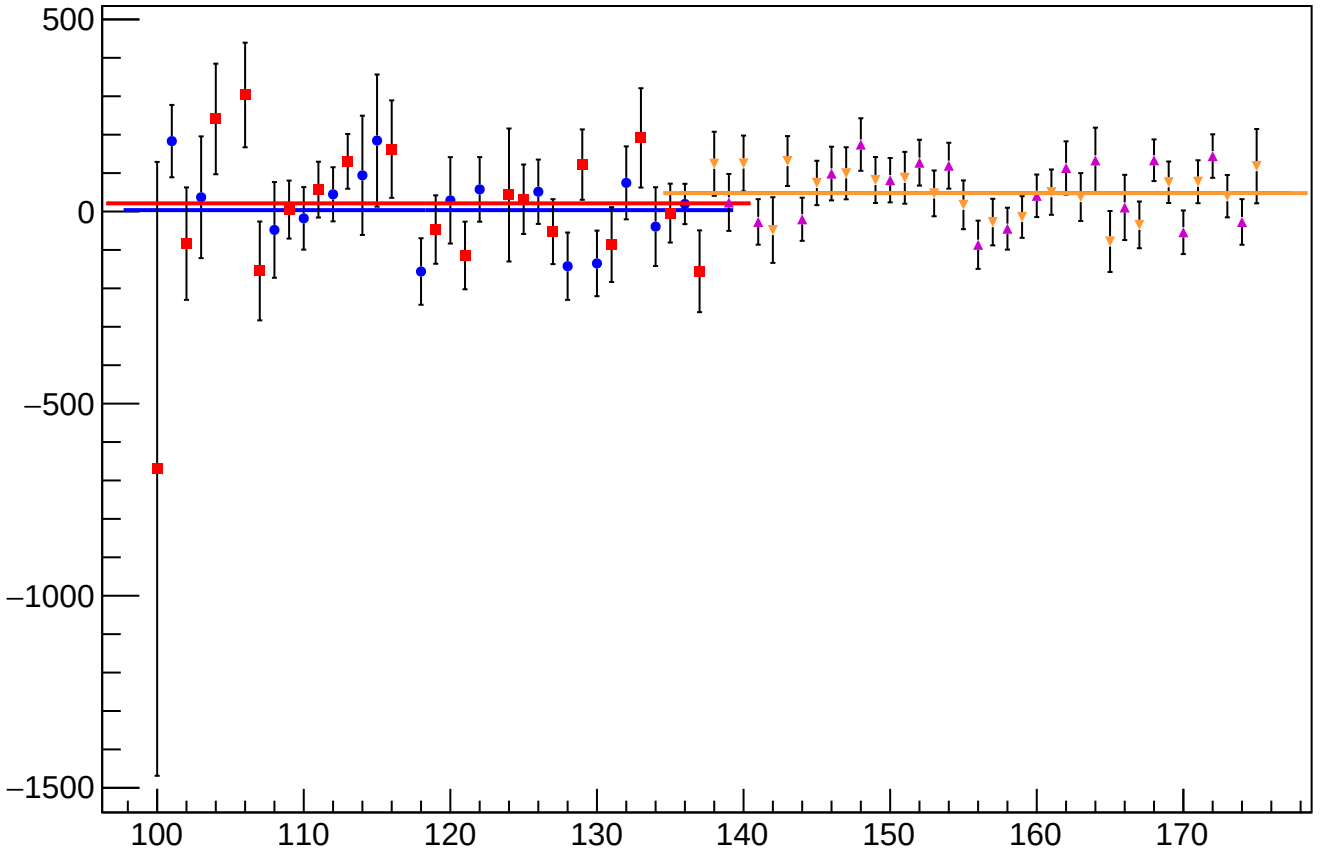
Left: 352.770+/-0.046 χ^2/NDF: 2039223.6/37

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 382.077+/-0.060 χ^2/NDF:2963234.4/33

Out: 386.067+/-0.059 χ^2/NDF:3107560.8/38

All: 384.105+/-0.042 χ^2/NDF: 6073062.3/72



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.941+/-14.228 χ^2/NDF:14.9/19

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.188+/-14.565 χ^2/NDF:30.5/17

Left: 48.062+/-10.178 χ^2/NDF: 45.4/37

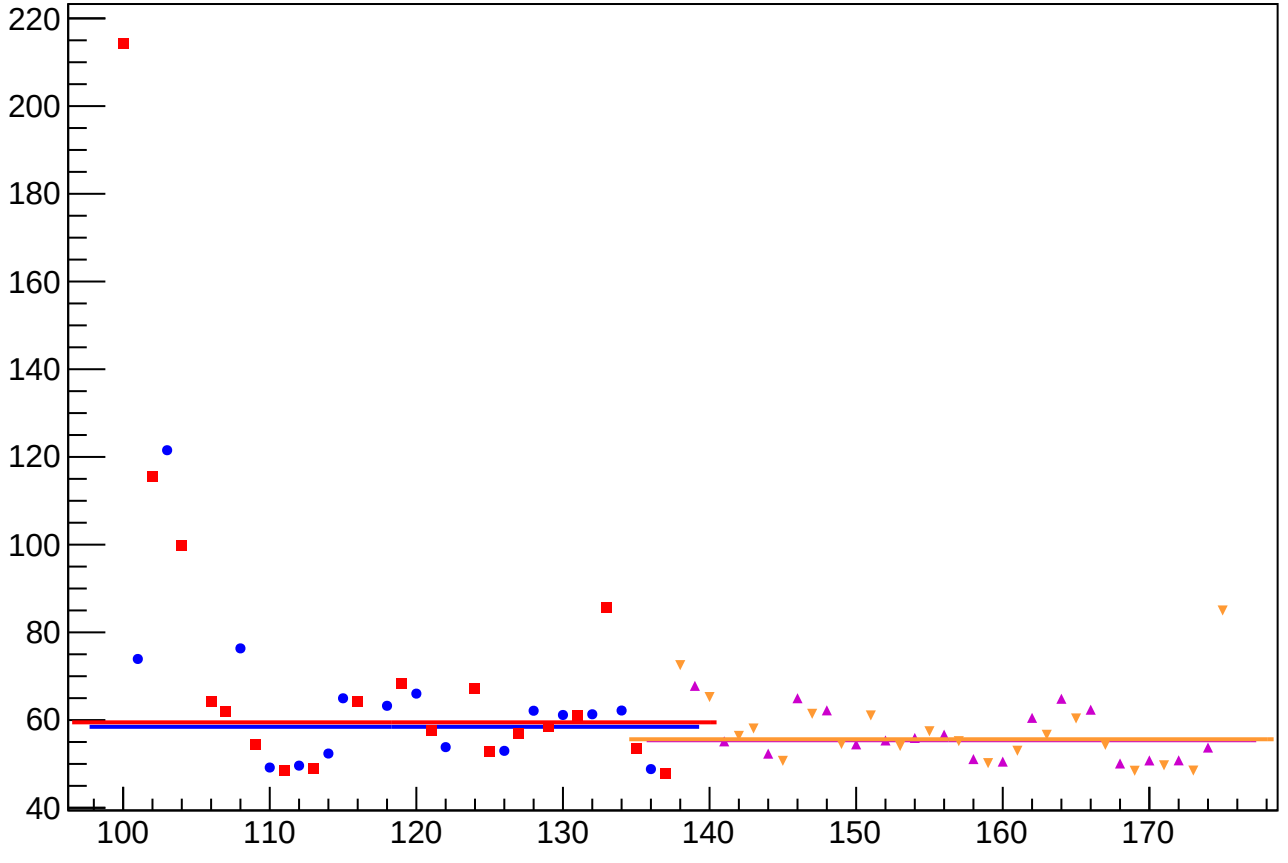
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 35.004+/-12.223 χ^2/NDF:49.4/33

Out: 40.447+/-12.066 χ^2/NDF:40.3/38

All: 37.761+/-8.587 χ^2/NDF: 89.8/72

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.625+/-0.010 χ^2/NDF:474814.5/19

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.401+/-0.010 χ^2/NDF:244879.5/17

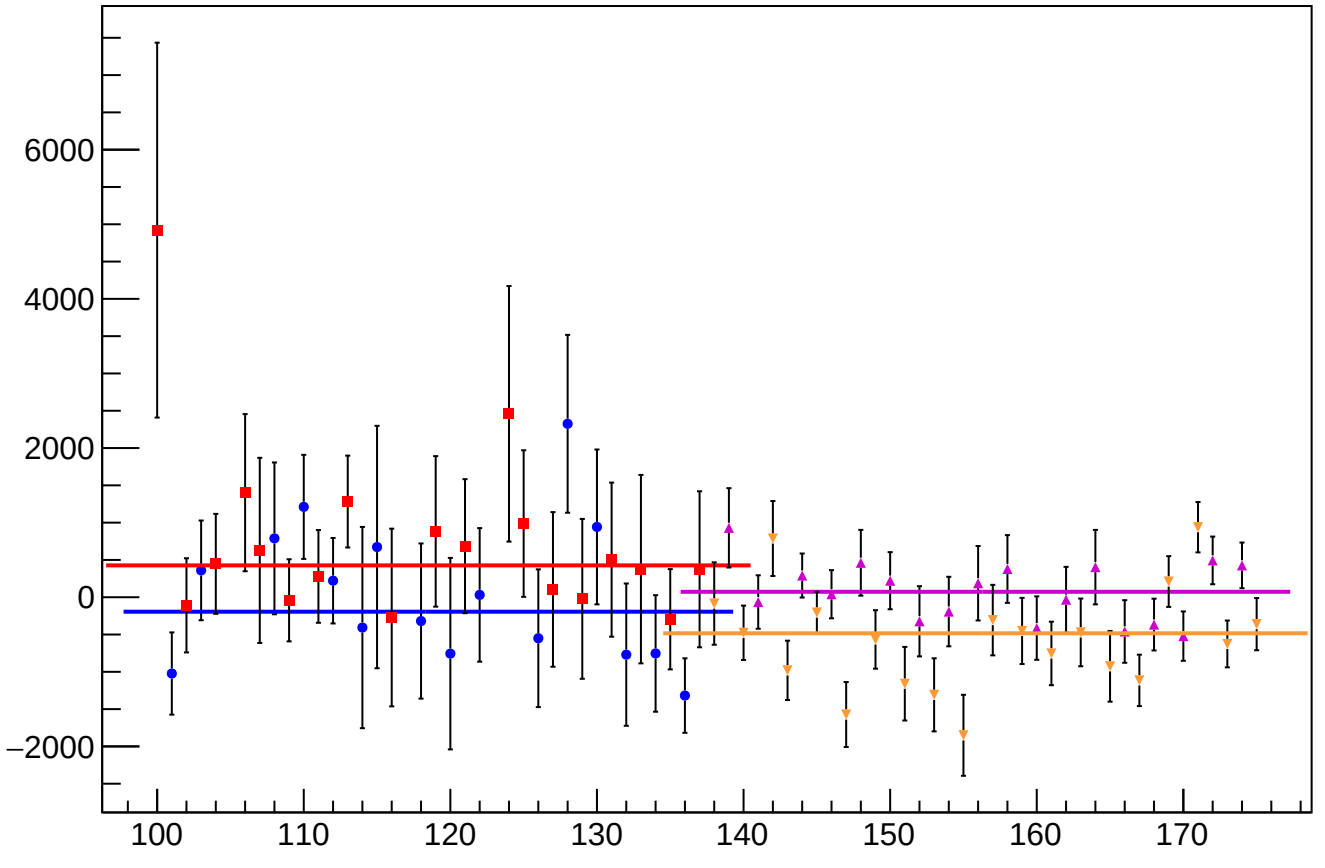
Left: 55.516+/-0.007 χ^2/NDF: 719938.0/37

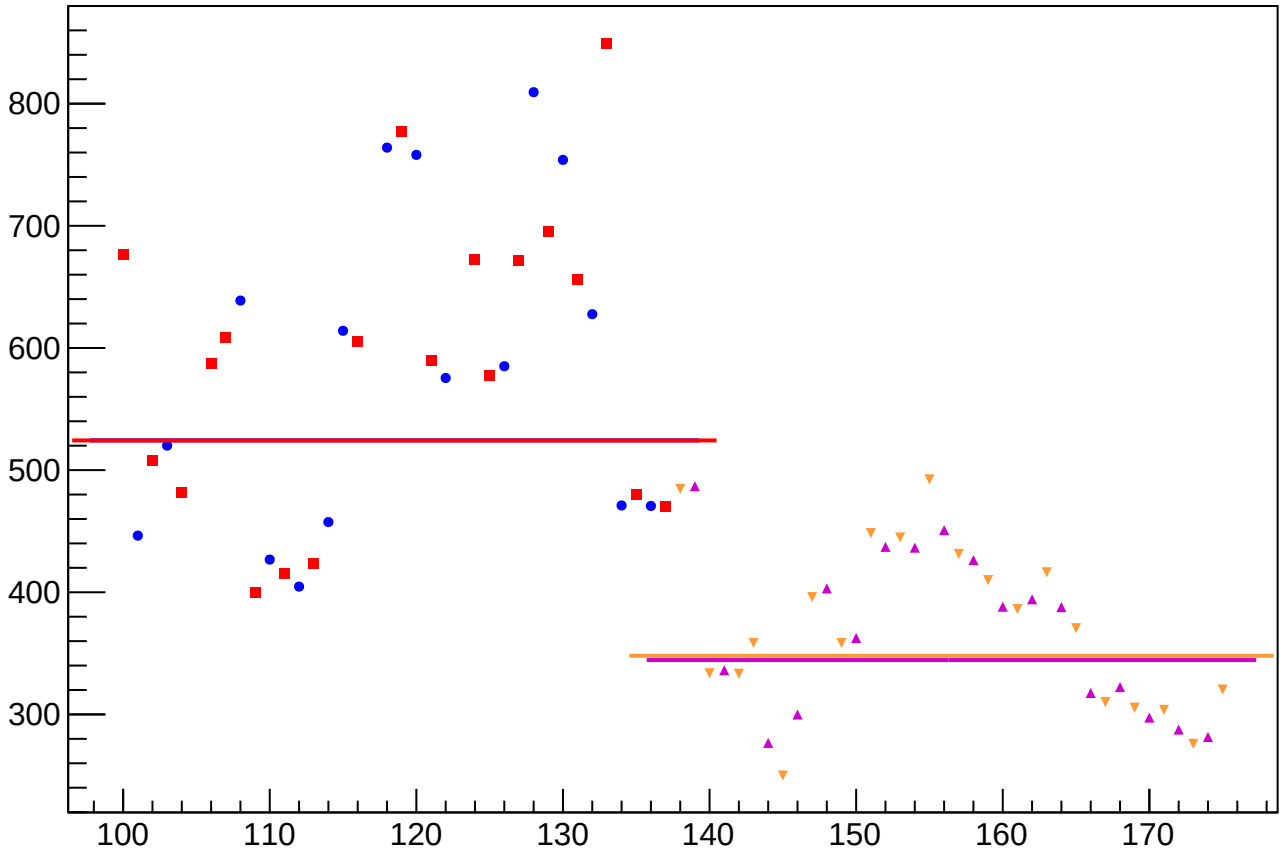
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.307+/-0.009 χ^2/NDF:854045.9/33

Out: 56.709+/-0.009 χ^2/NDF:1301002.3/38

All: 56.511+/-0.006 χ^2/NDF: 2156145.5/72


asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -193.899+/-200.604 χ²/NDF: 20.8/15
Left Out: -483.455+/-89.077 χ²/NDF:53.9/19
Right Out: 426.977+/-197.005 χ²/NDF: 11.3/18
Left In: 72.955+/-91.035 χ²/NDF:17.1/17
Left: -211.300+/-63.668 χ²/NDF: 90.0/37
Right: 122.158+/-140.559 χ²/NDF: 37.0/34
In: 27.383+/-82.898 χ²/NDF:39.3/33
Out: -328.918+/-81.165 χ²/NDF:82.9/38
All: -154.531+/-57.996 χ²/NDF: 131.7/72



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080786.0/19

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 344.507+/-0.064 χ^2/NDF:906128.1/17

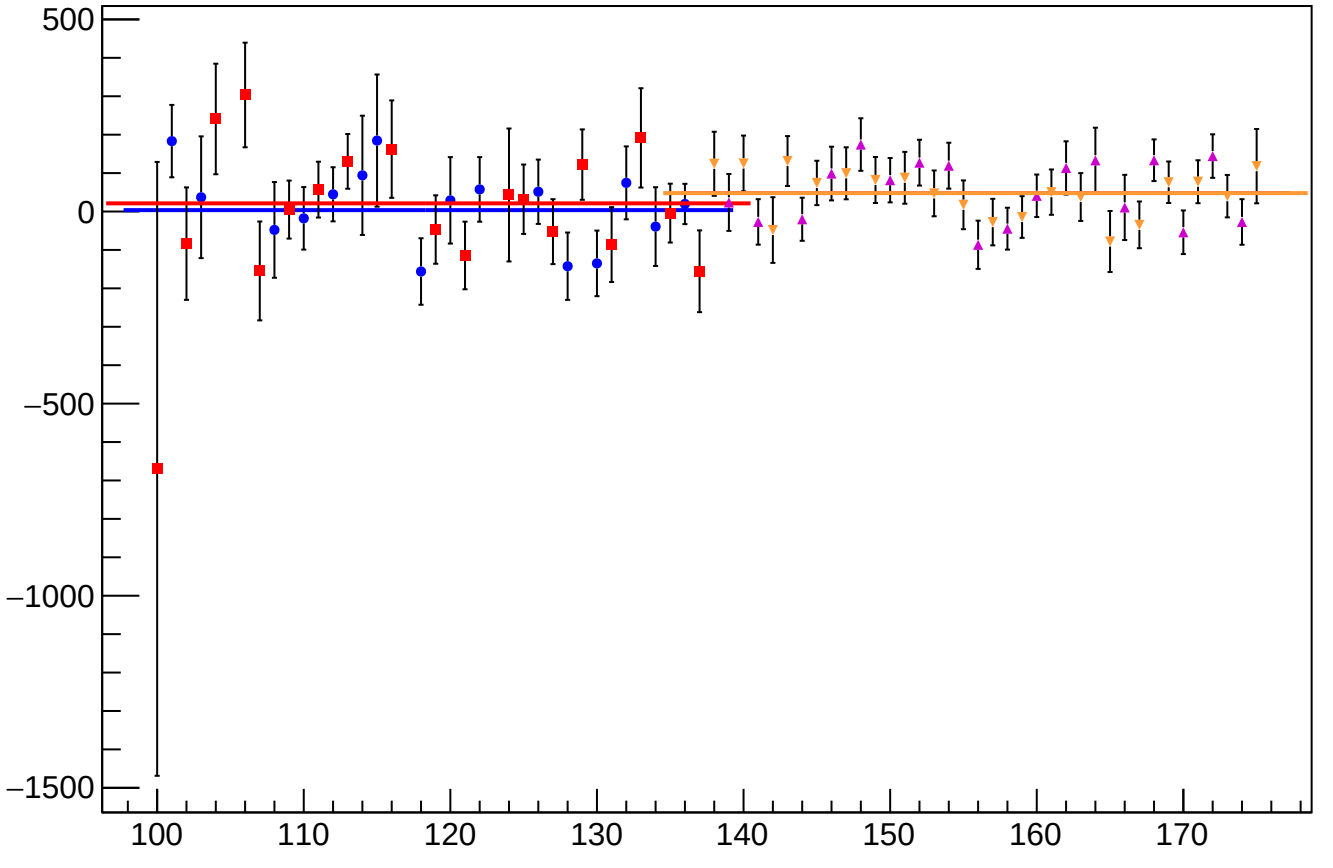
Left: 346.310+/-0.045 χ^2/NDF: 1988449.3/37

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 375.215+/-0.059 χ^2/NDF:2897214.6/33

Out: 377.956+/-0.057 χ^2/NDF:3096227.0/38

All: 376.615+/-0.041 χ^2/NDF: 5994558.0/72



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.942+/-14.228 χ^2/NDF:14.9/19

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.187+/-14.565 χ^2/NDF:30.5/17

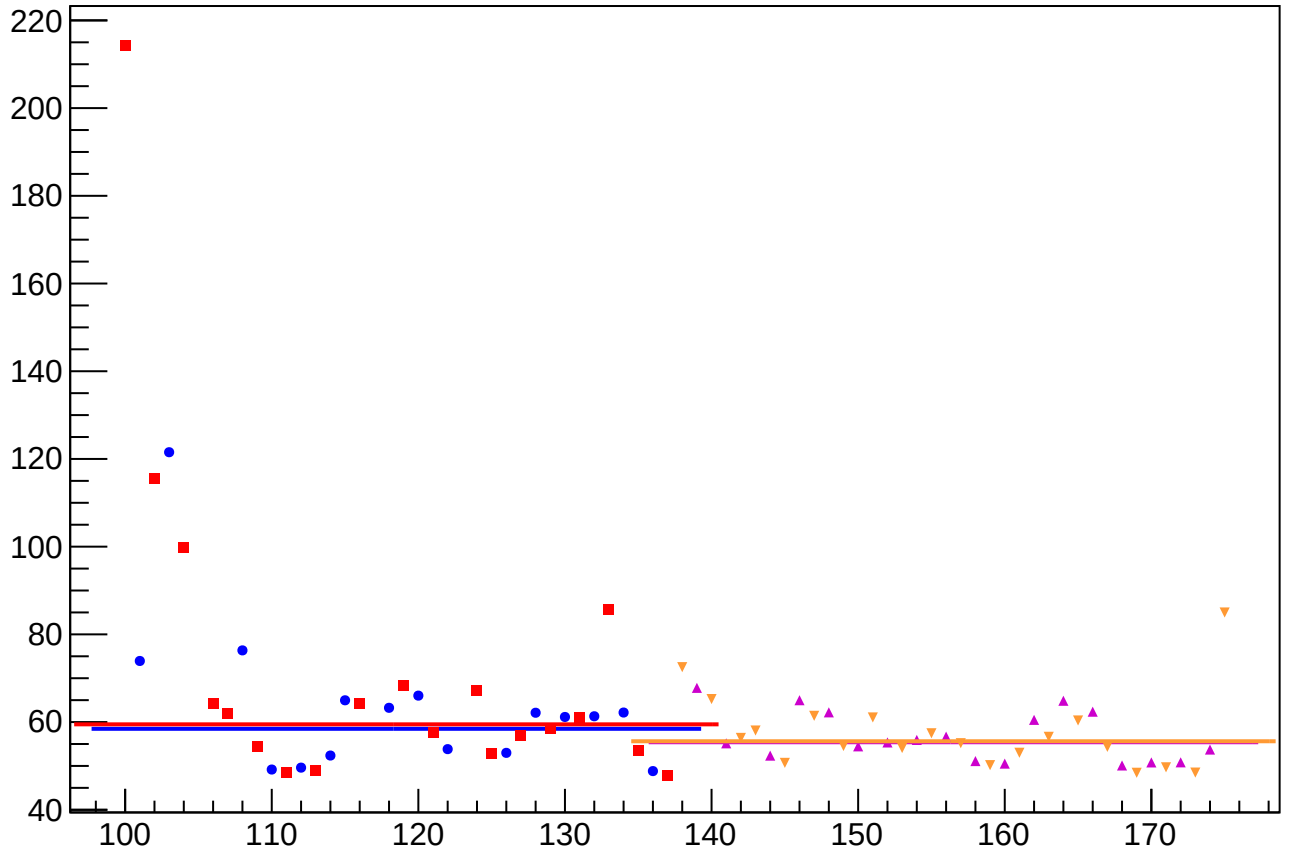
Left: 48.062+/-10.178 χ^2/NDF: 45.4/37

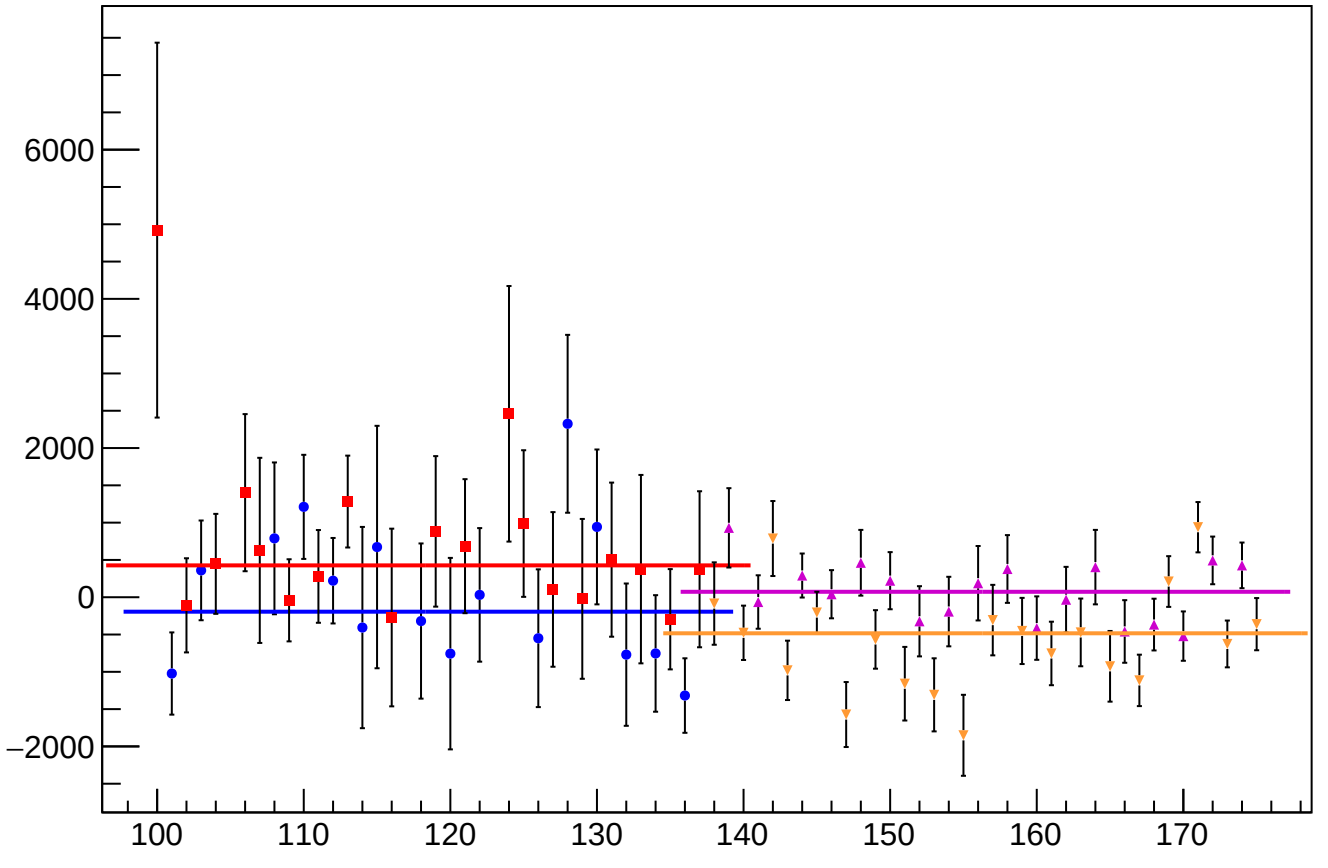
Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 35.004+/-12.223 χ^2/NDF:49.4/33

Out: 40.446+/-12.066 χ^2/NDF:40.3/38

All: 37.760+/-8.587 χ^2/NDF: 89.8/72


eigen_dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
170
Right In: 58.466+/-0.016 χ²/NDF: 582980.6/15
Left Out: 55.626+/-0.010 χ²/NDF:474818.8/19
Right Out: 59.484+/-0.016 χ²/NDF: 784880.2/18
Left In: 55.401+/-0.010 χ²/NDF:244881.6/17
Left: 55.516+/-0.007 χ²/NDF: 719944.4/37
Right: 58.968+/-0.011 χ²/NDF: 1369888.0/34
In: 56.307+/-0.009 χ²/NDF:854043.6/33
Out: 56.709+/-0.009 χ²/NDF:1301006.4/38
All: 56.511+/-0.006 χ²/NDF: 2156147.3/72



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -483.455+/-89.077 χ^2/NDF:53.9/19

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 72.954+/-91.035 χ^2/NDF:17.1/17

Left: -211.301+/-63.668 χ^2/NDF: 90.0/37

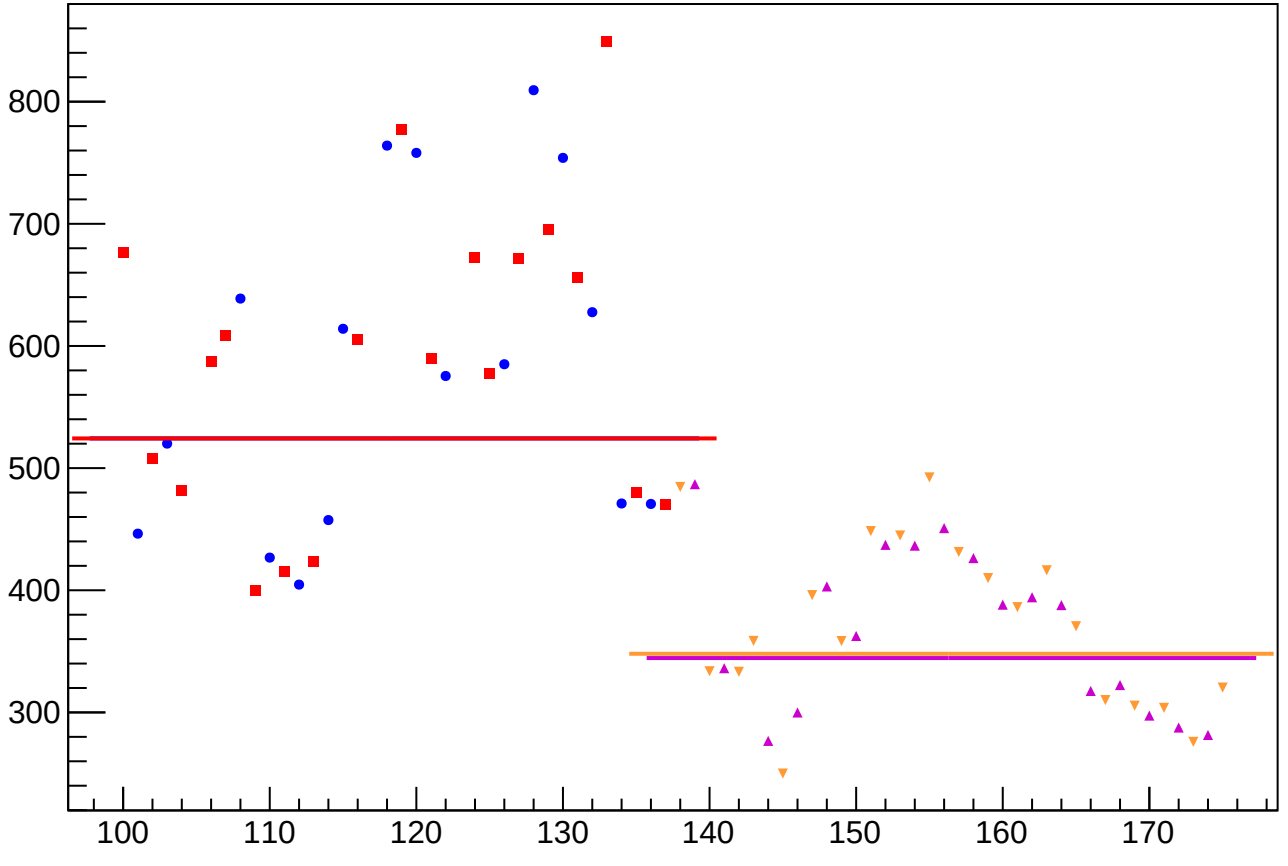
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 27.383+/-82.898 χ^2/NDF:39.3/33

Out: -328.917+/-81.165 χ^2/NDF:82.9/38

All: -154.531+/-57.996 χ^2/NDF: 131.7/72

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080780.7/19

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 344.507+/-0.064 χ^2/NDF:906120.8/17

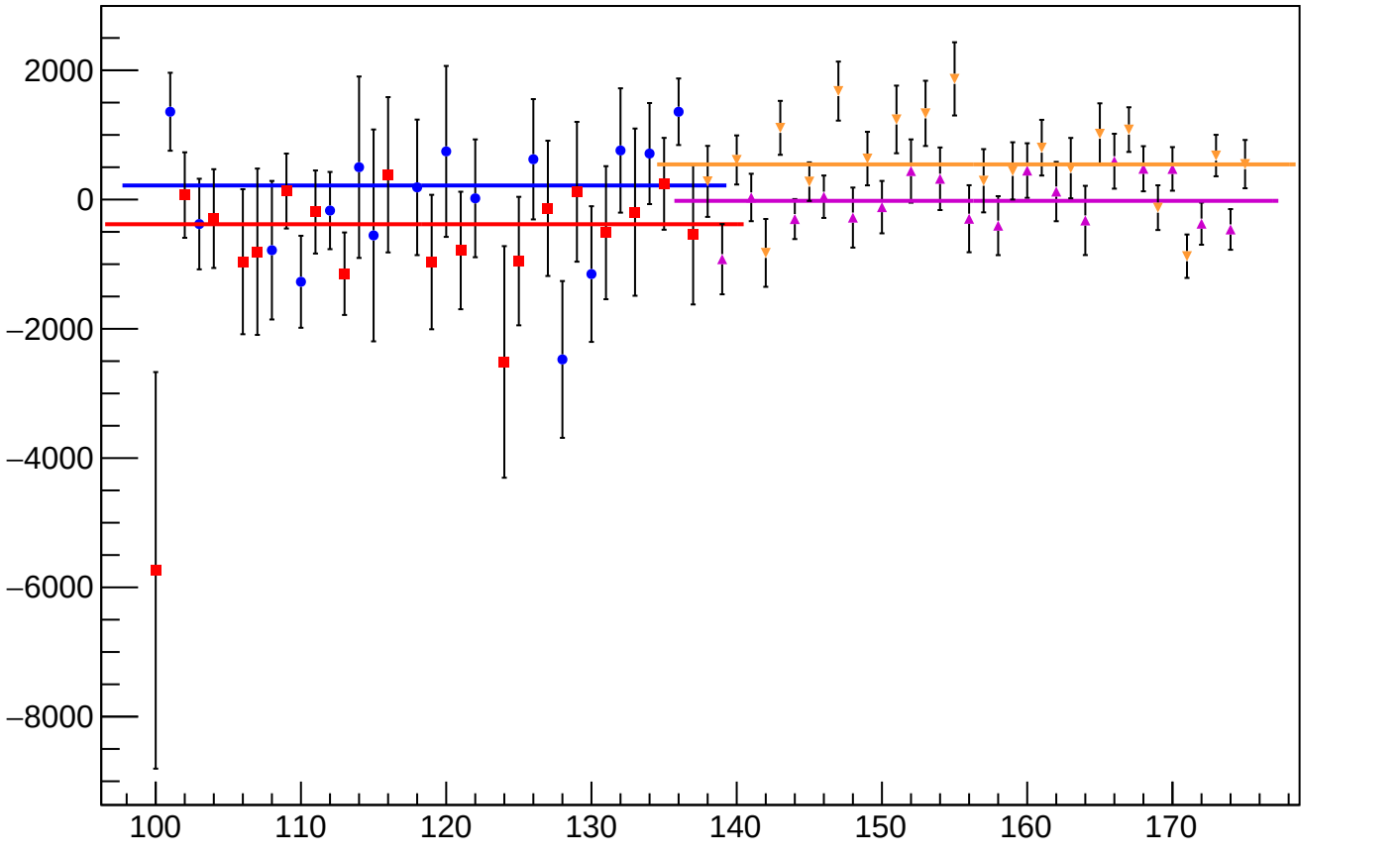
Left: 346.310+/-0.045 χ^2/NDF: 1988436.6/37

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 375.215+/-0.059 χ^2/NDF:2897203.2/33

Out: 377.956+/-0.057 χ^2/NDF:3096216.6/38

All: 376.614+/-0.041 χ^2/NDF: 5994536.1/72



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 543.921+/-91.917 χ^2/NDF:51.5/19

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -20.058+/-93.611 χ^2/NDF:17.4/17

Left: 267.081+/-65.586 χ^2/NDF: 87.4/37

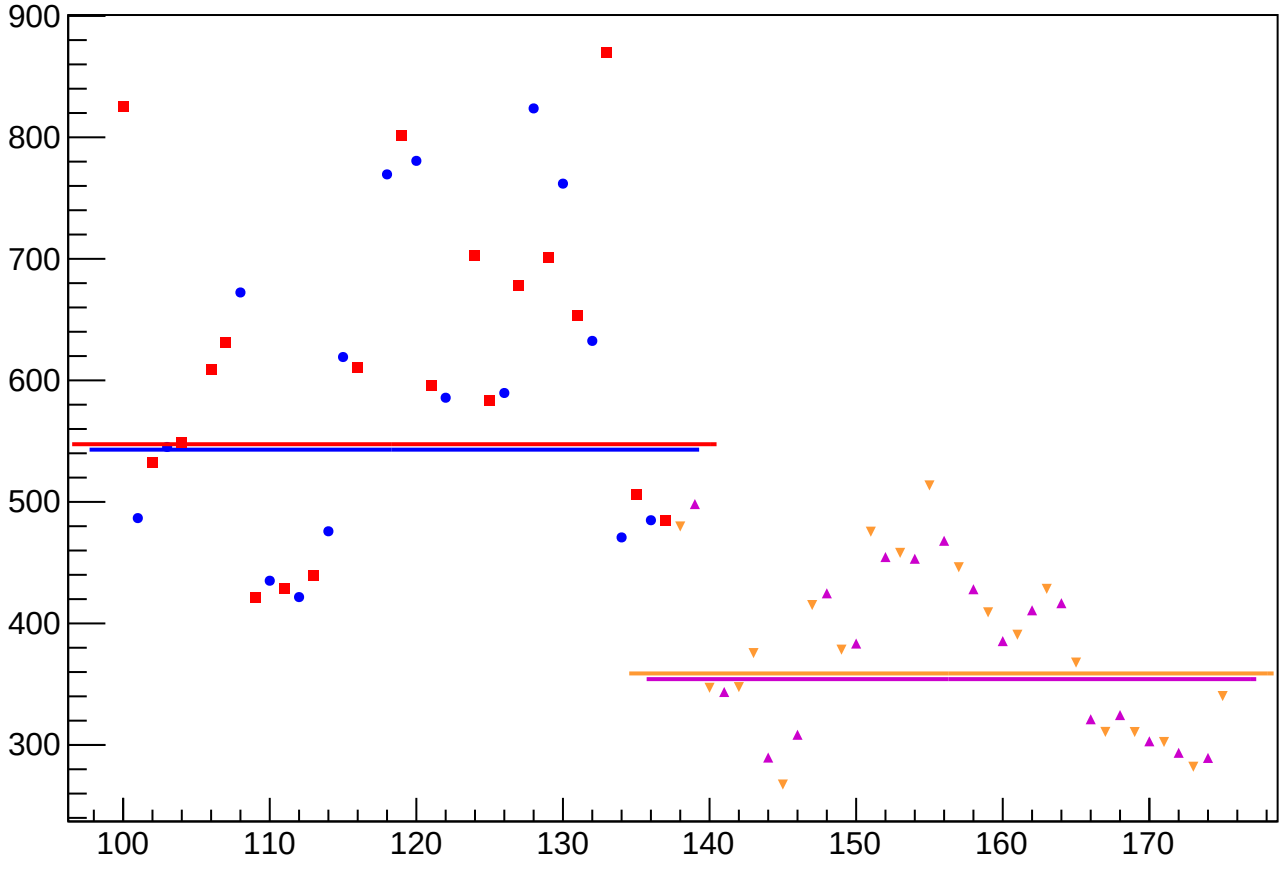
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 20.161+/-85.329 χ^2/NDF:41.4/33

Out: 389.693+/-83.912 χ^2/NDF:78.4/38

All: 208.021+/-59.830 χ^2/NDF: 129.4/72

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 358.847+/-0.065 χ^2/NDF:1050125.1/19

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 354.171+/-0.066 χ^2/NDF:936730.5/17

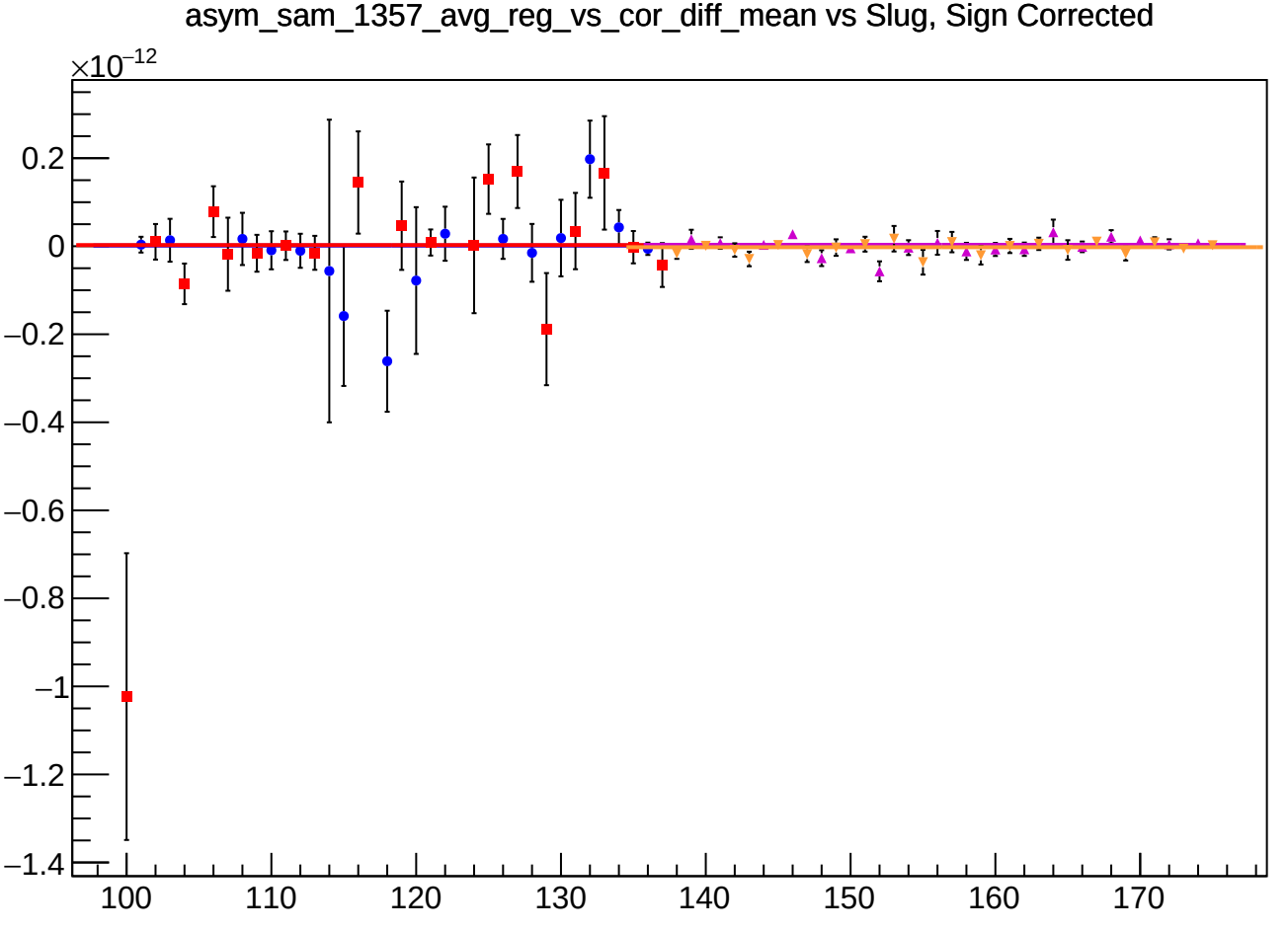
Left: 356.552+/-0.046 χ^2/NDF: 1989396.0/37

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 386.105+/-0.060 χ^2/NDF:2918213.9/33

Out: 390.270+/-0.059 χ^2/NDF:3083441.6/38

All: 388.222+/-0.042 χ^2/NDF: 6004077.4/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/17

Left: 0.000+/-0.000 χ^2/NDF: 35.0/37

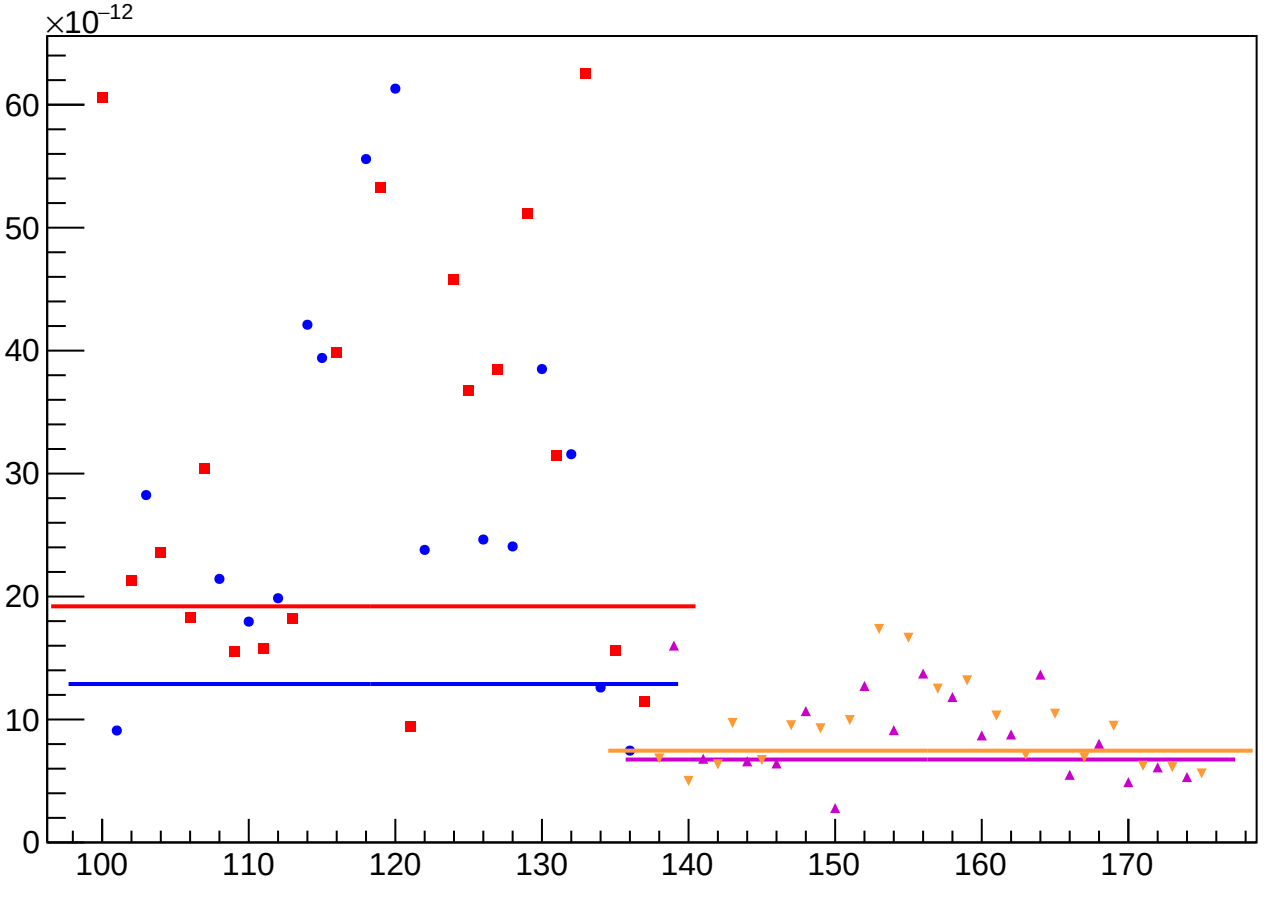
Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:42.3/38

All: 0.000+/-0.000 χ^2/NDF: 78.7/72

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1282119.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1703786.9/17

Left: 0.000+/-0.000 χ^2/NDF: 3040108.1/37

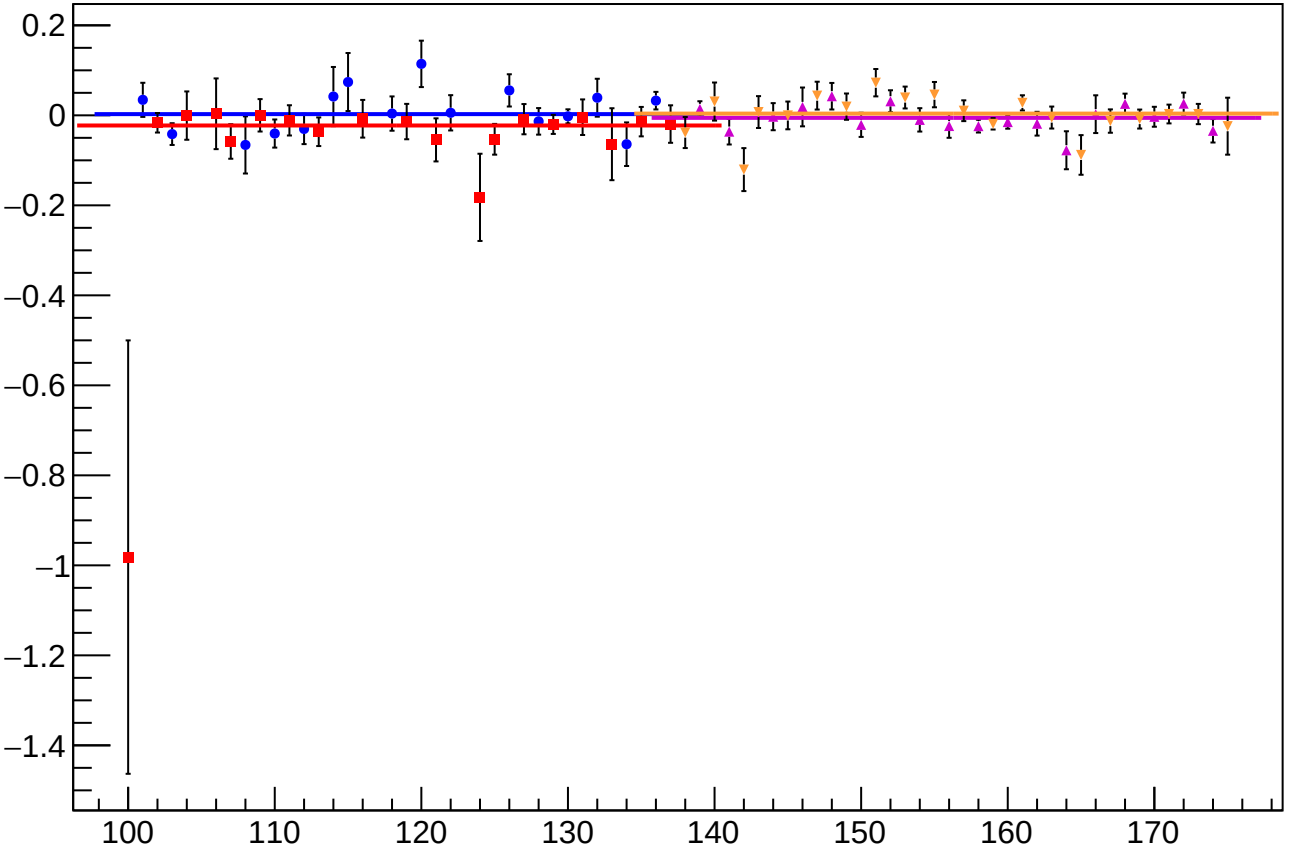
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:4281009.1/33

Out: 0.000+/-0.000 χ^2/NDF:4408726.8/38

All: 0.000+/-0.000 χ^2/NDF: 8758803.2/72

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

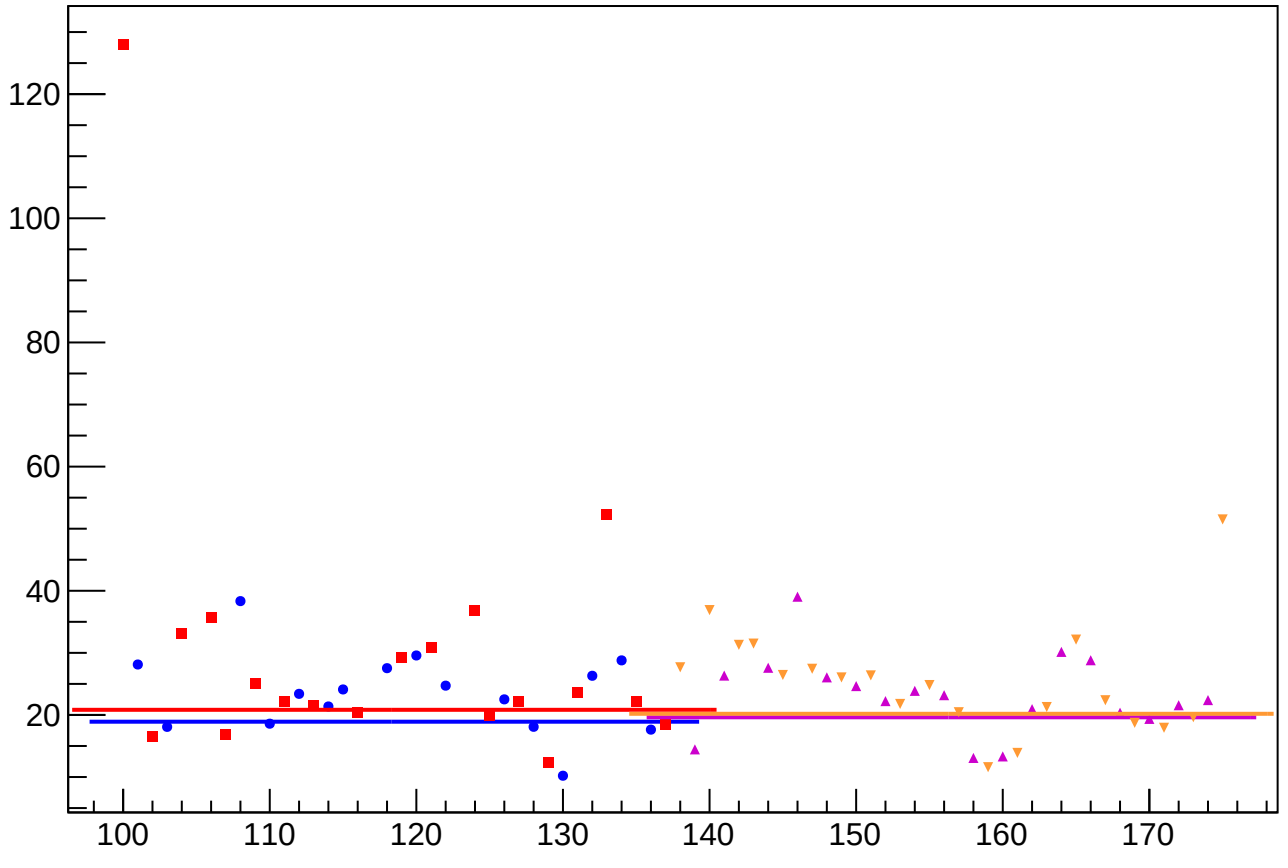
Left: -0.001+/-0.004 χ^2/NDF: 51.0/37

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 89.9/72



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027232.4/19

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

Left: 19.900+/-0.003 χ^2/NDF: 5207717.3/37

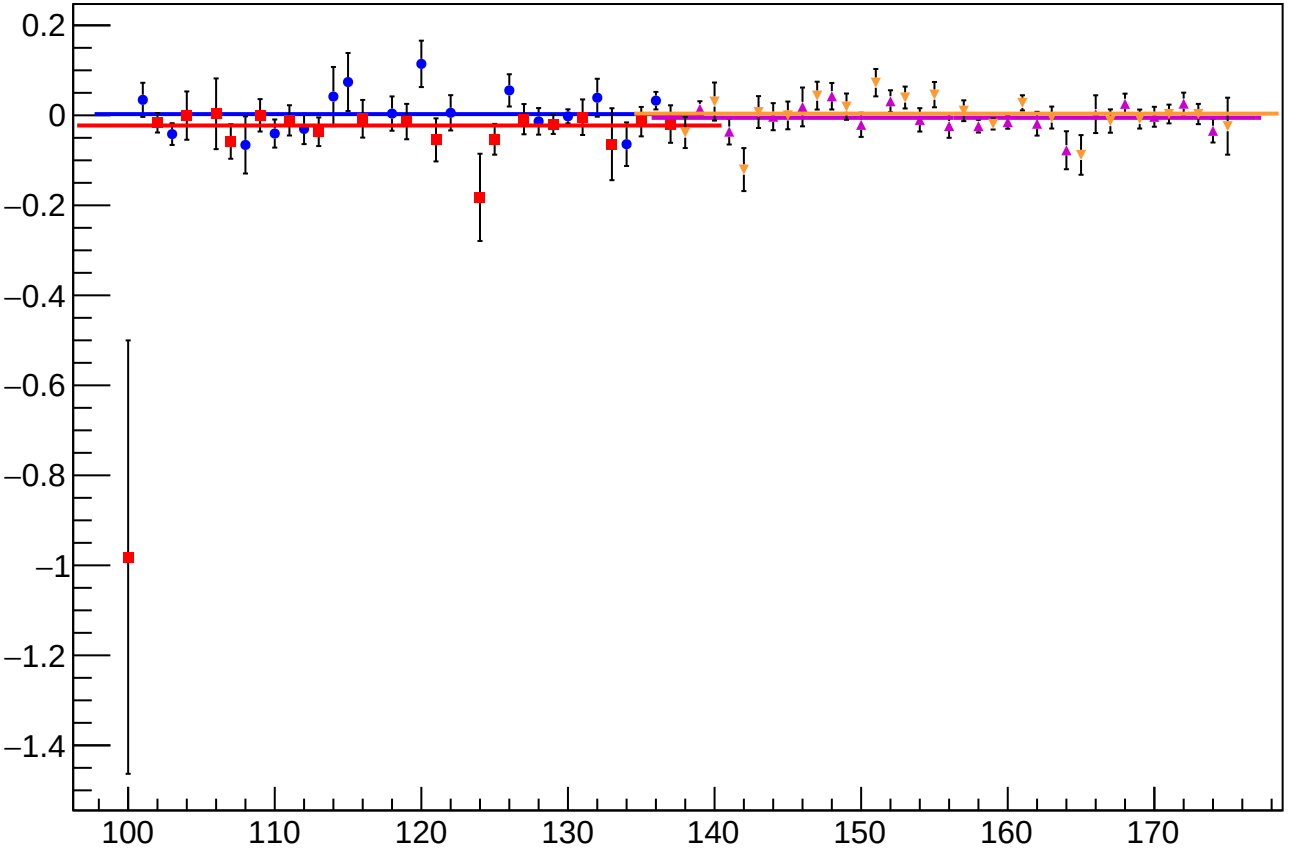
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.383+/-0.003 χ^2/NDF:3571491.9/33

Out: 20.380+/-0.003 χ^2/NDF:4326786.1/38

All: 19.865+/-0.002 χ^2/NDF: 7945526.3/72

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 51.0/37

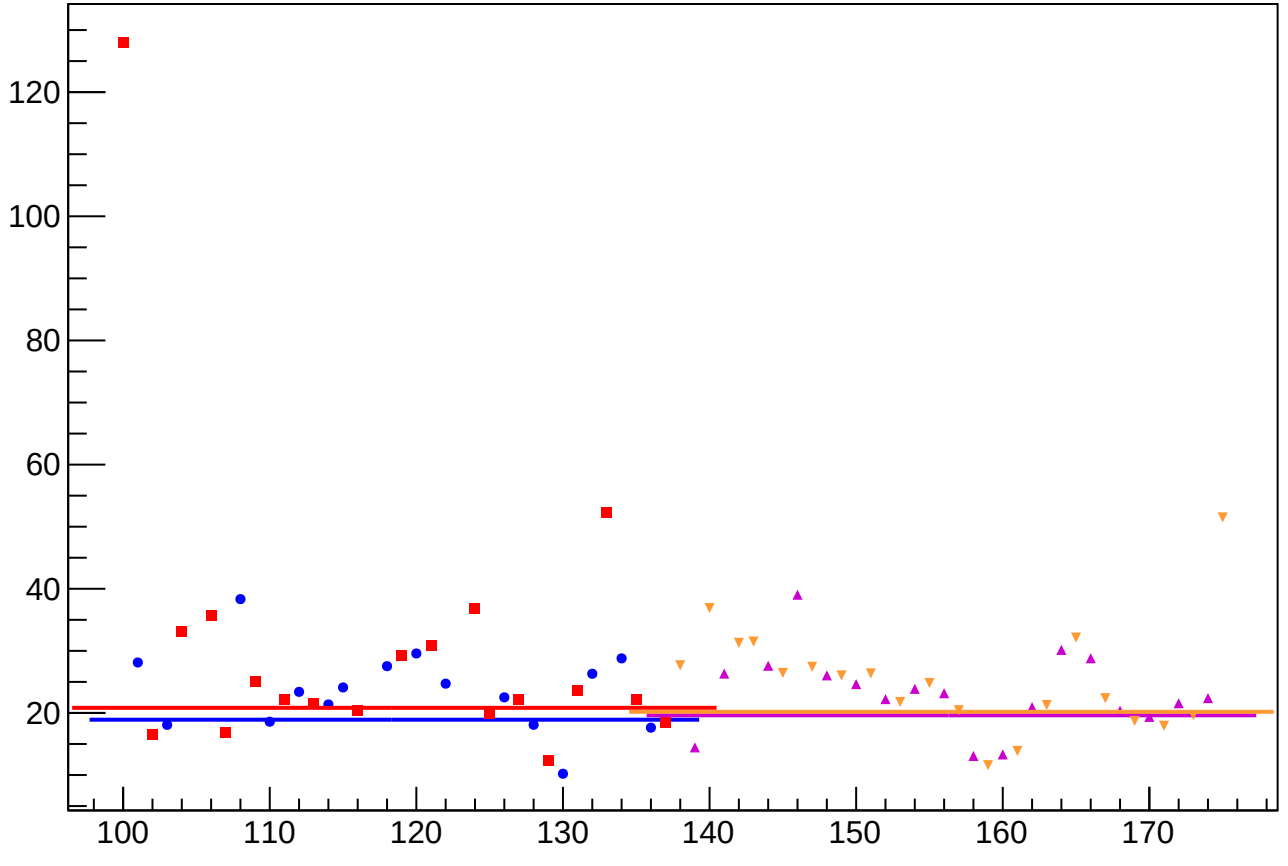
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 89.9/72

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027232.4/19

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

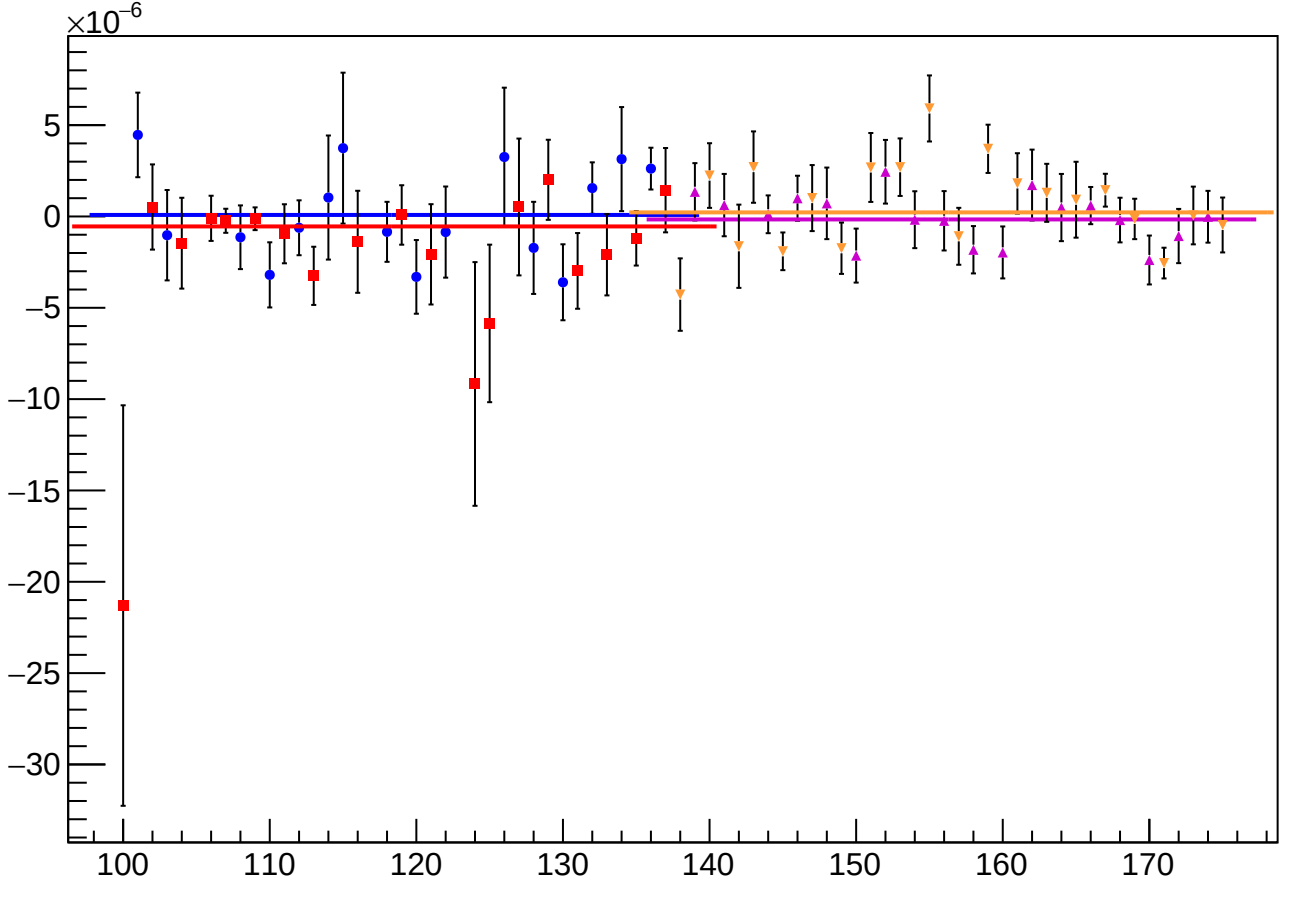
Left: 19.900+/-0.003 χ^2/NDF: 5207717.3/37

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.383+/-0.003 χ^2/NDF:3571491.9/33

Out: 20.380+/-0.003 χ^2/NDF:4326786.1/38

All: 19.865+/-0.002 χ^2/NDF: 7945526.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

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

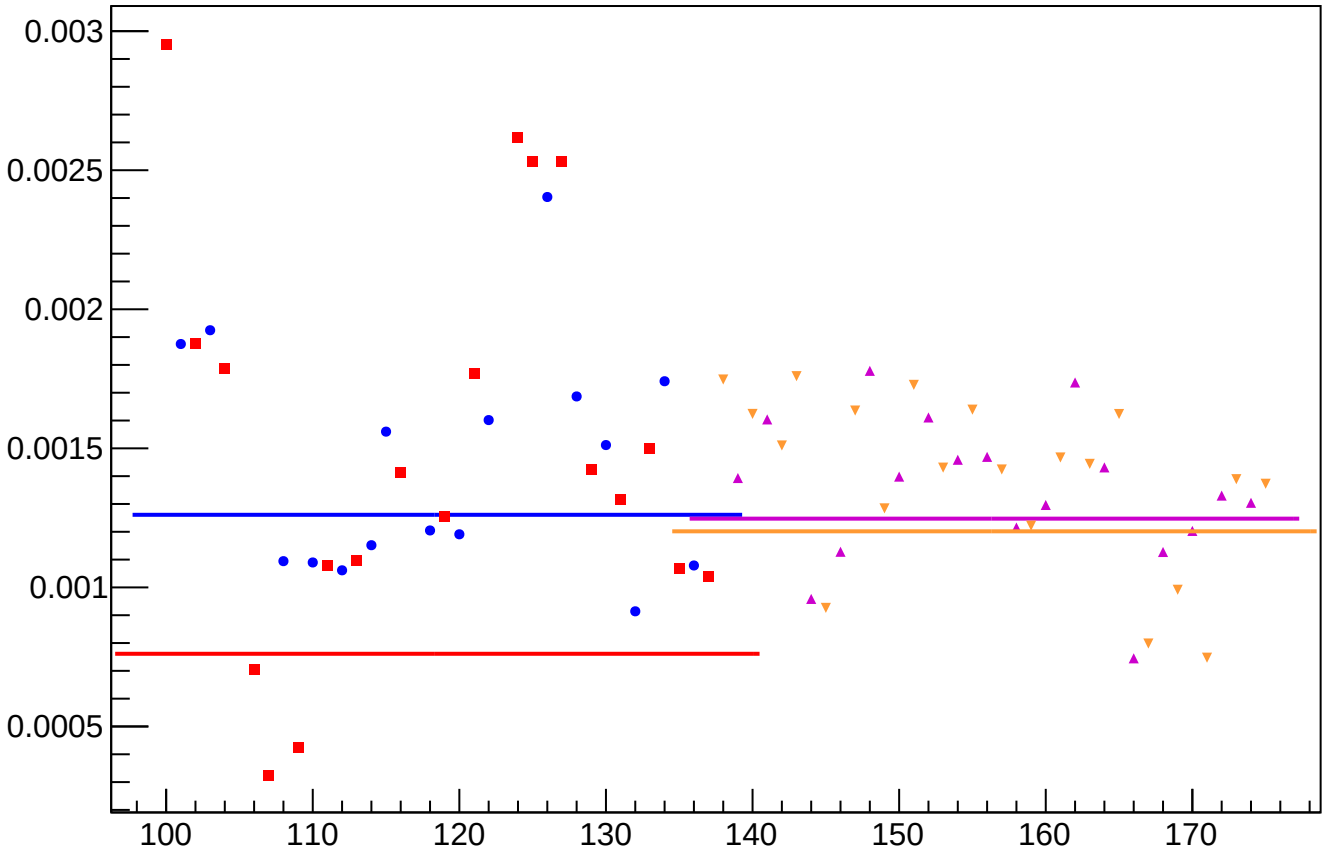
Left: 0.000+/-0.000 χ^2/NDF: 66.4/37

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:38.1/33

Out: -0.000+/-0.000 χ^2/NDF:69.8/38

All: -0.000+/-0.000 χ^2/NDF: 107.9/72



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2380780.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1276516.6/17

Left: 0.001+/-0.000 χ^2/NDF: 3677013.2/37

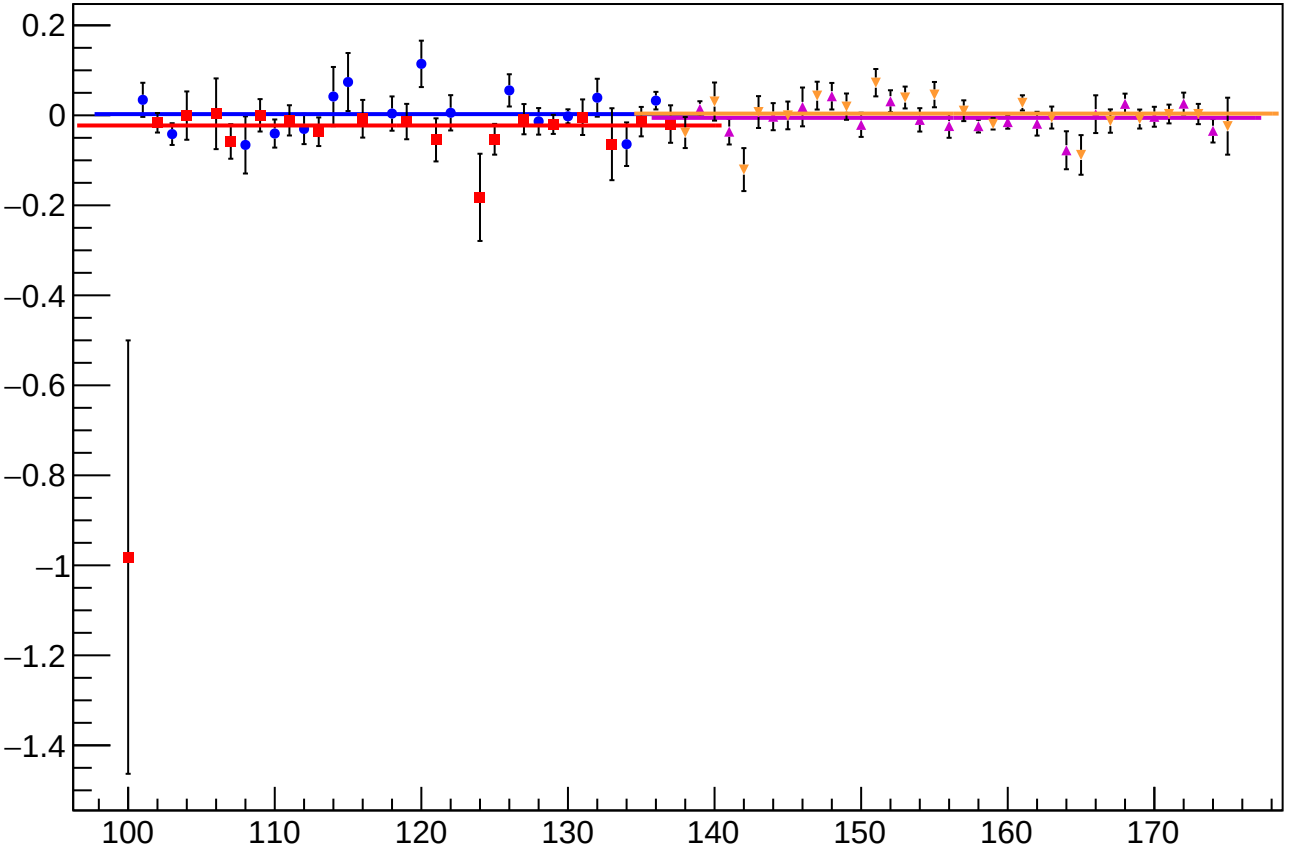
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2184952.6/33

Out: 0.001+/-0.000 χ^2/NDF:8866703.3/38

All: 0.001+/-0.000 χ^2/NDF: 12056087.3/72

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 51.0/37

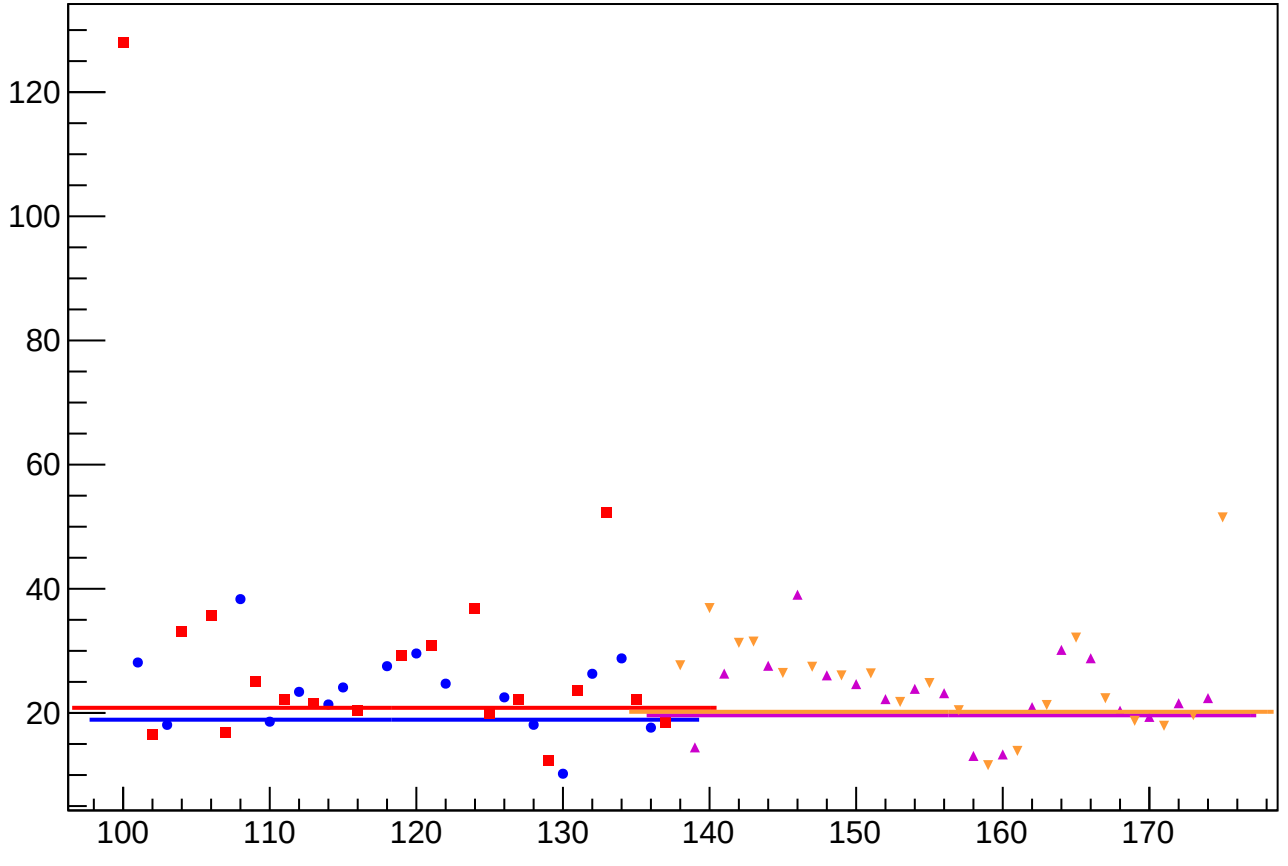
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 89.9/72

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027421.0/19

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

Left: 19.900+/-0.003 χ^2/NDF: 5208004.2/37

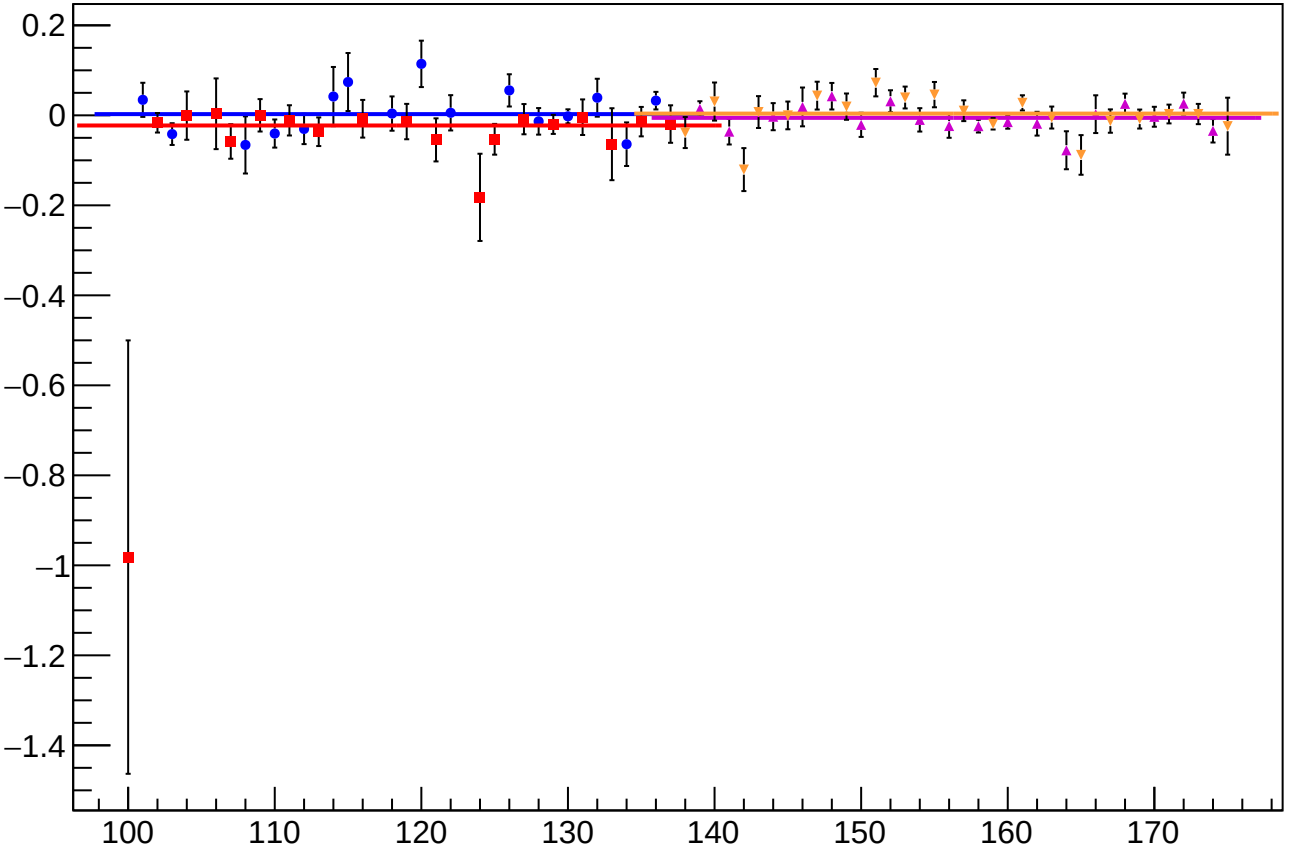
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.384+/-0.003 χ^2/NDF:3571473.7/33

Out: 20.381+/-0.003 χ^2/NDF:4326974.3/38

All: 19.866+/-0.002 χ^2/NDF: 7945679.3/72

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 51.0/37

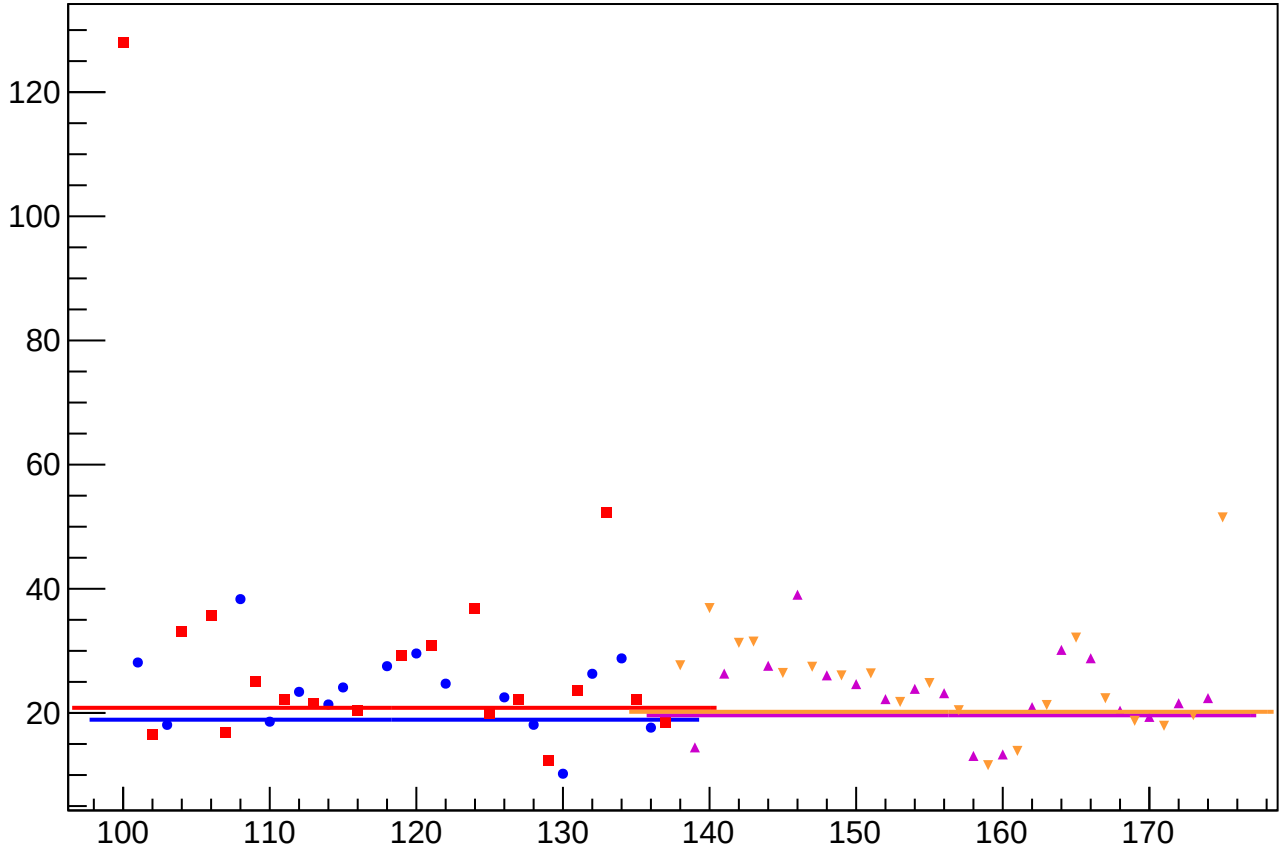
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 89.9/72

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.185+/-0.004 χ^2/NDF:3027421.0/19

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

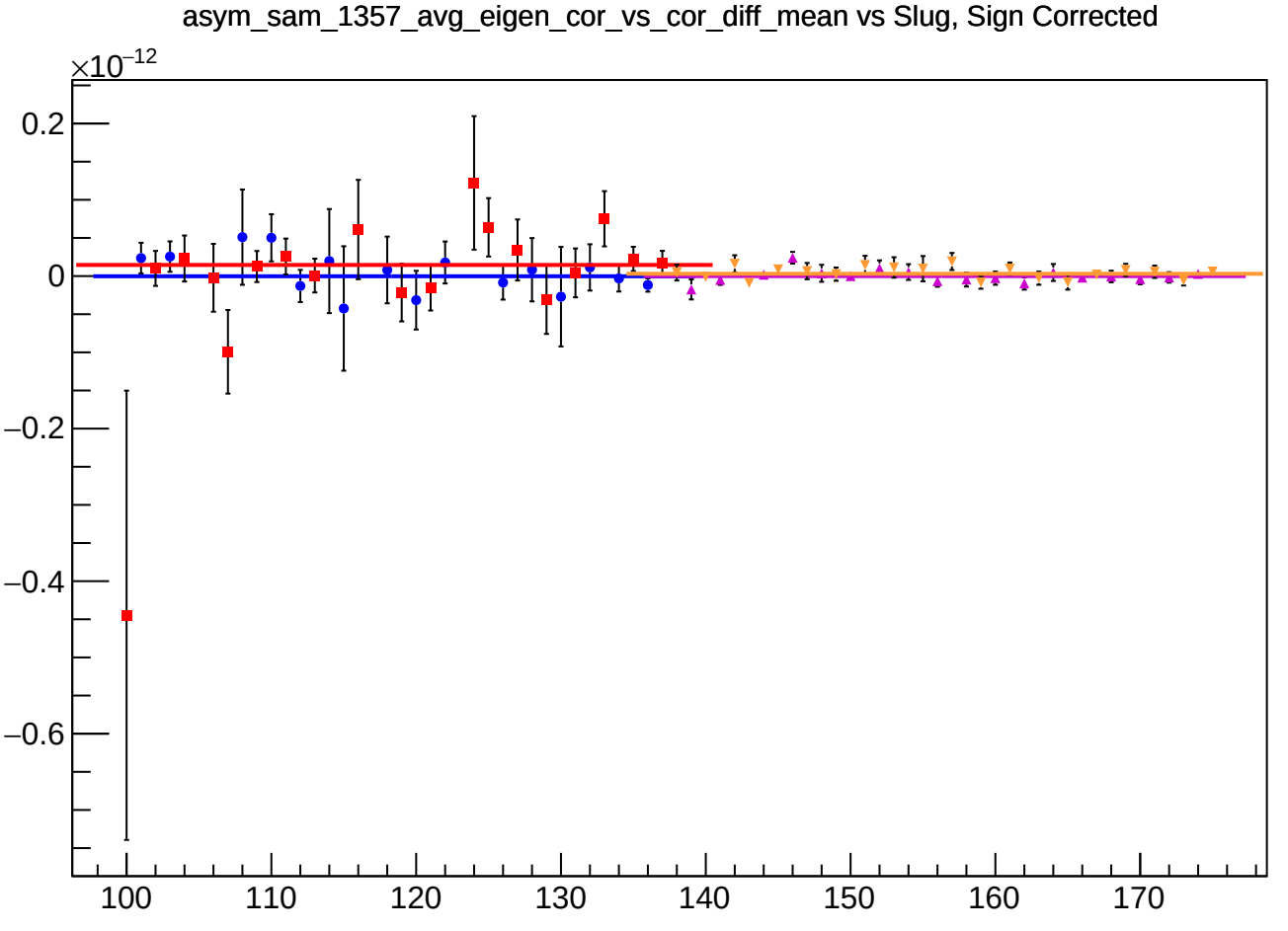
Left: 19.900+/-0.003 χ^2/NDF: 5208004.2/37

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.384+/-0.003 χ^2/NDF:3571473.7/33

Out: 20.381+/-0.003 χ^2/NDF:4326974.3/38

All: 19.866+/-0.002 χ^2/NDF: 7945679.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/17

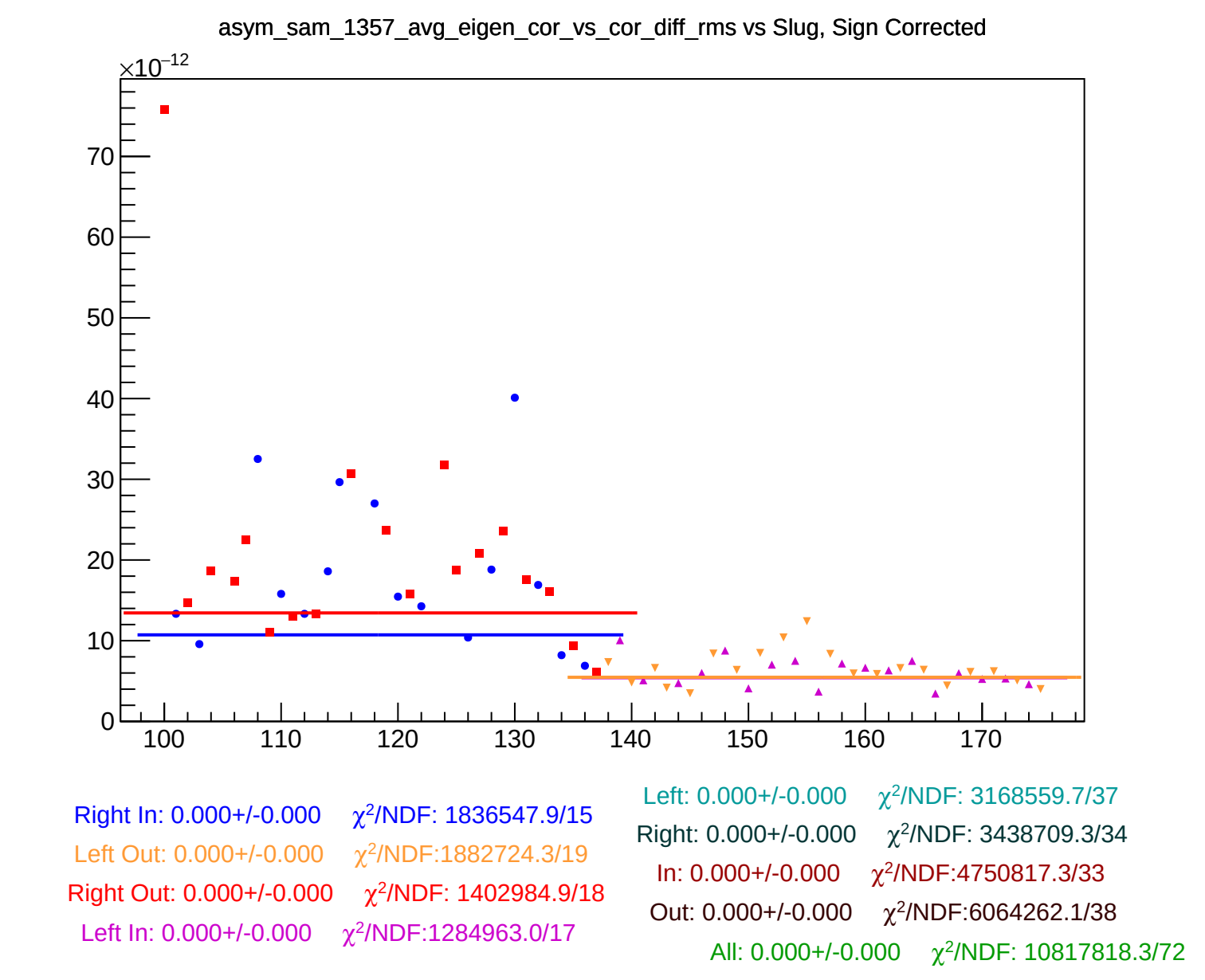
Left: 0.000+/-0.000 χ^2/NDF: 35.7/37

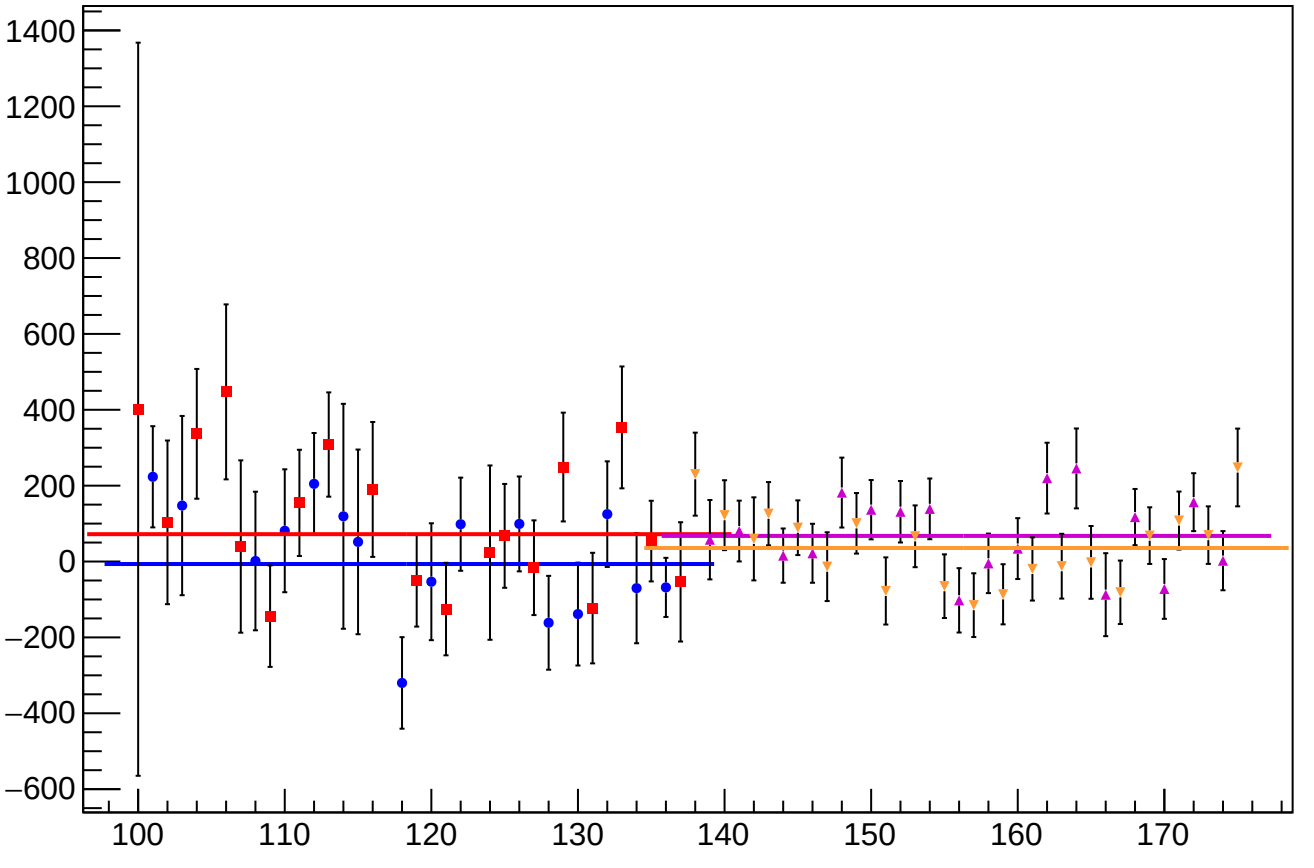
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:27.6/33

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 67.8/72


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1882724.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1284963.0/17
Left: 0.000+/-0.000 χ²/NDF: 3168559.7/37
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4750817.3/33
Out: 0.000+/-0.000 χ²/NDF:6064262.1/38
All: 0.000+/-0.000 χ²/NDF: 10817818.3/72



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.710+/-18.988 χ^2/NDF:24.0/19

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 67.533+/-19.526 χ^2/NDF:22.9/17

Left: 51.177+/-13.613 χ^2/NDF: 48.2/37

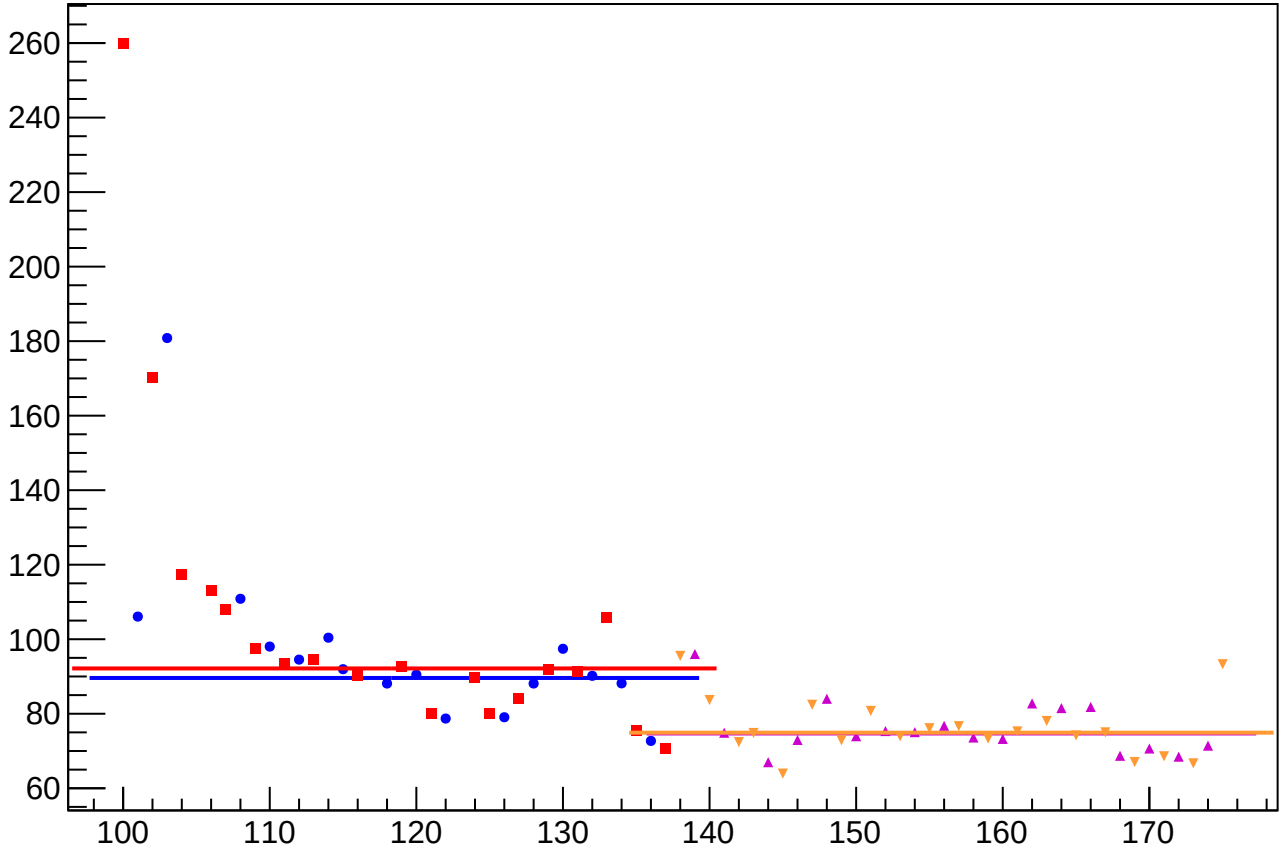
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 49.387+/-16.968 χ^2/NDF:45.3/33

Out: 44.034+/-16.678 χ^2/NDF:47.7/38

All: 46.664+/-11.894 χ^2/NDF: 93.0/72

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

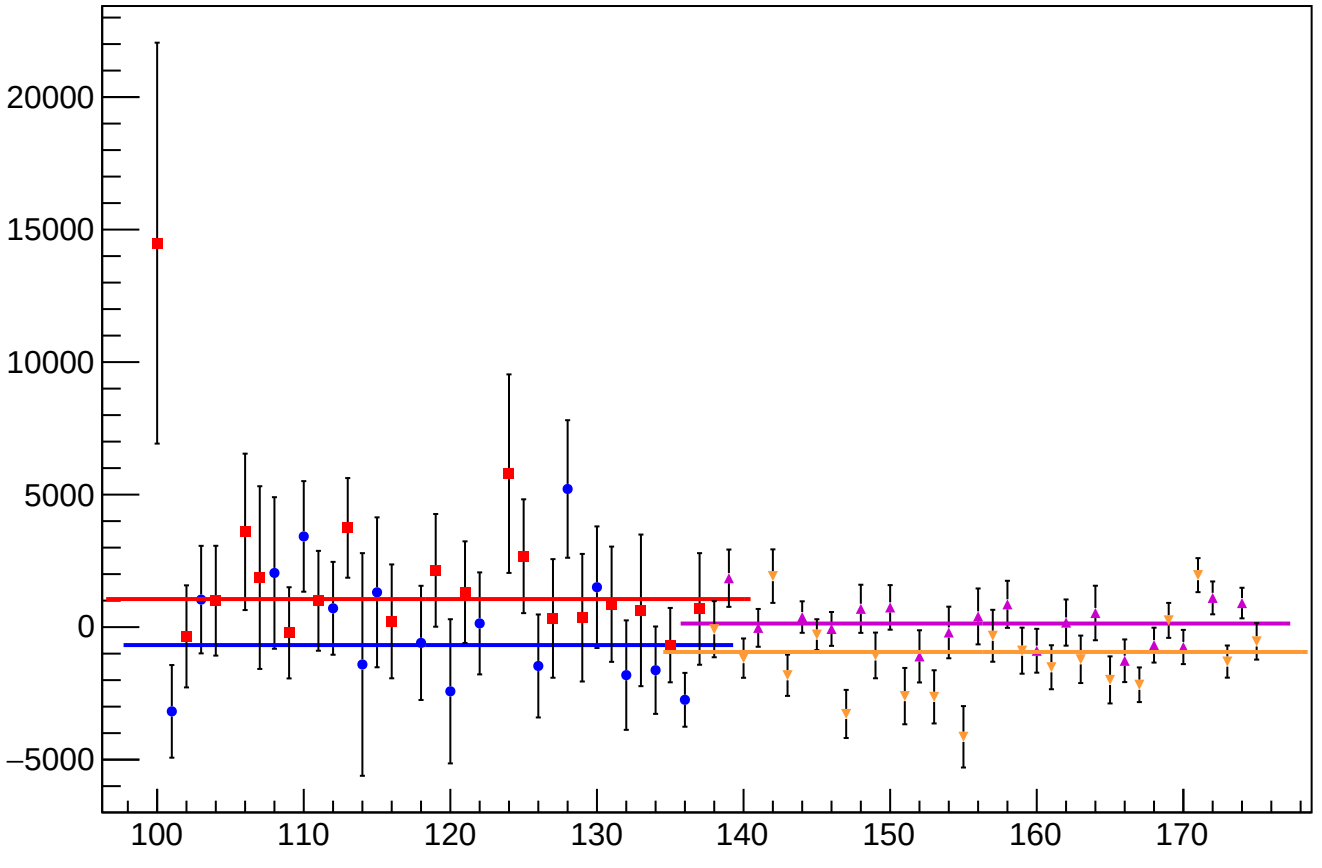
Left: 74.816+/-0.010 χ^2/NDF: 486735.5/37

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.352+/-0.012 χ^2/NDF:980826.9/33

Out: 78.863+/-0.012 χ^2/NDF:1208269.9/38

All: 78.612+/-0.008 χ^2/NDF: 2190017.1/72



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -937.428+/-177.633 χ^2/NDF:61.2/19

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 135.098+/-180.909 χ^2/NDF:18.5/17

Left: -410.964+/-126.748 χ^2/NDF: 97.6/37

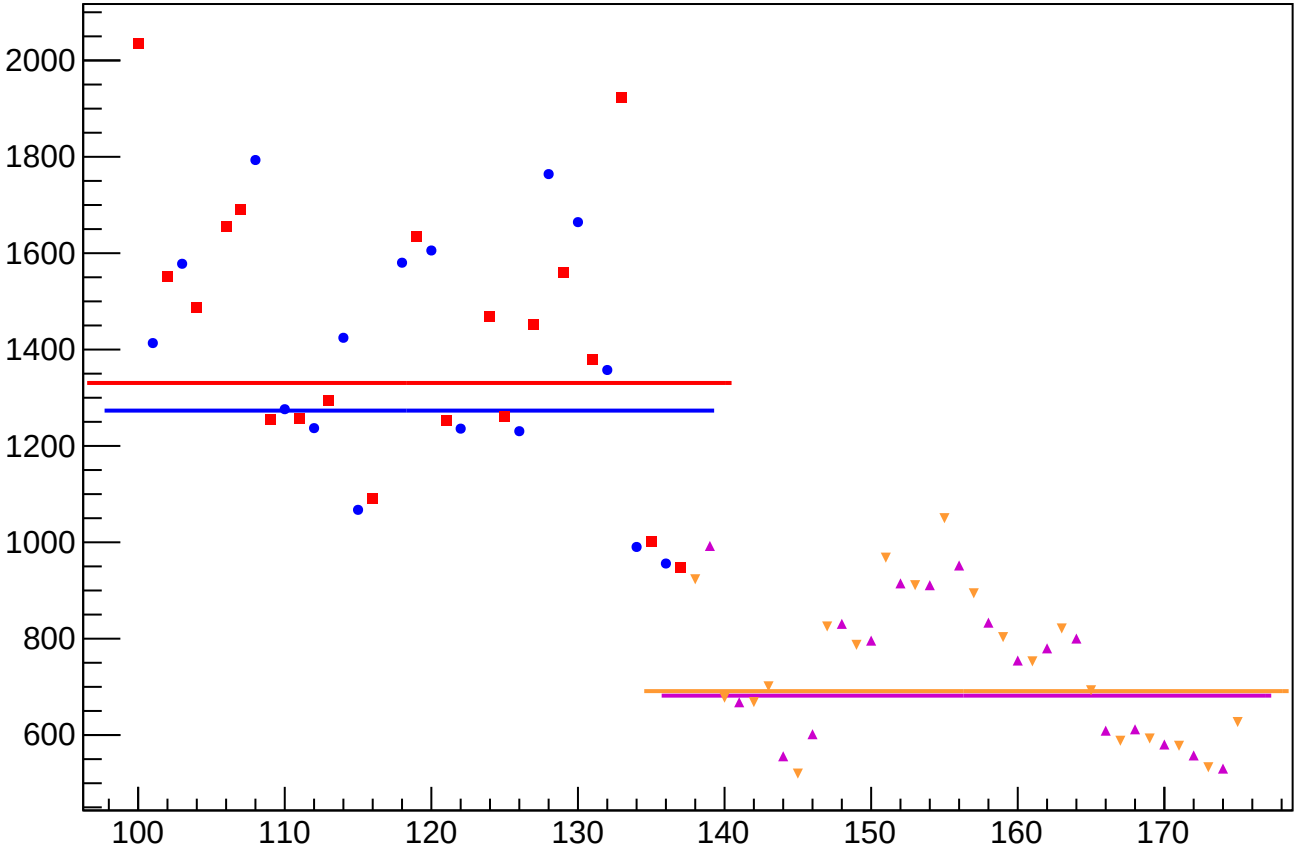
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 36.391+/-169.564 χ^2/NDF:41.2/33

Out: -710.790+/-167.245 χ^2/NDF:87.0/38

All: -342.343+/-119.071 χ^2/NDF: 138.1/72

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245112.9/19

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 681.773+/-0.128 χ^2/NDF:1163084.8/17

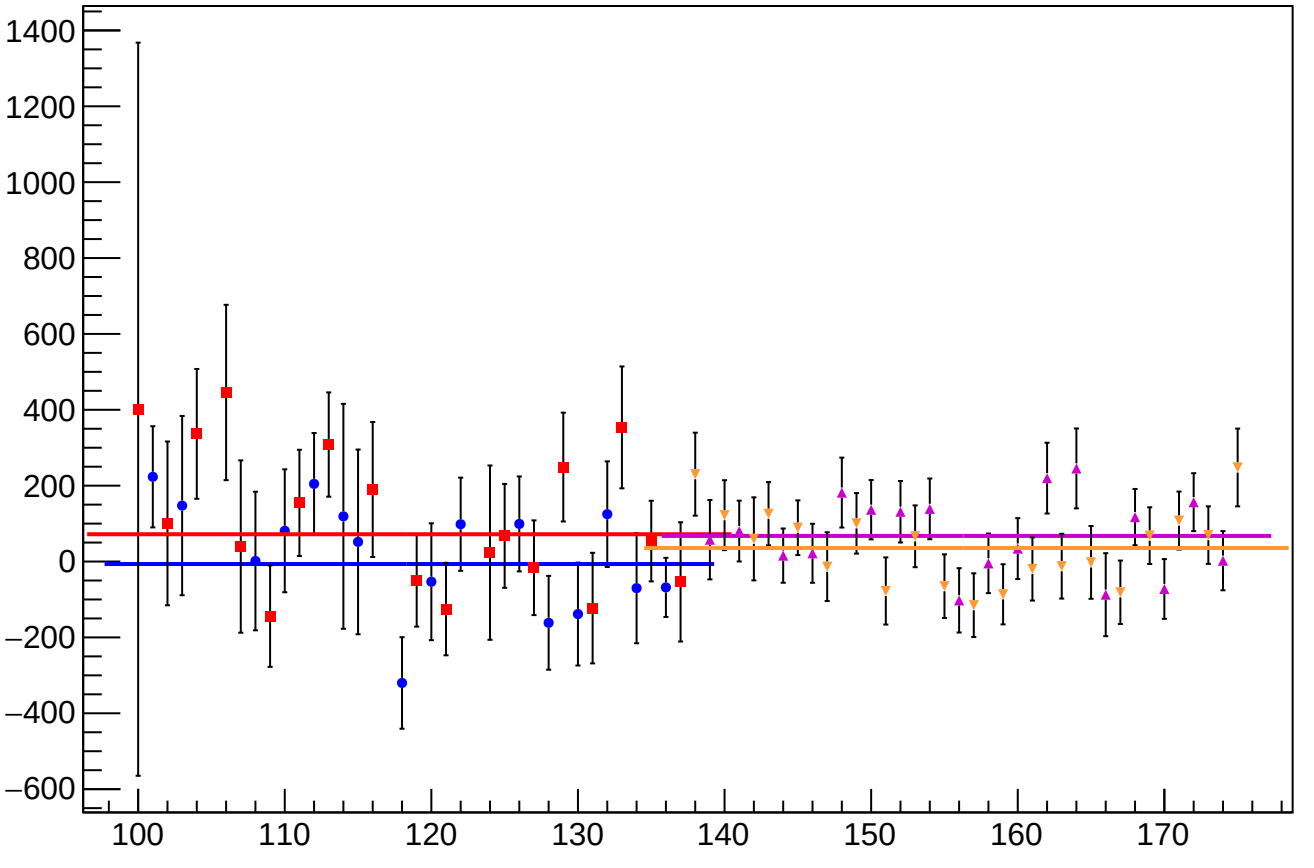
Left: 686.552+/-0.090 χ^2/NDF: 2410939.1/37

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 753.639+/-0.120 χ^2/NDF:4358568.6/33

Out: 763.768+/-0.118 χ^2/NDF:4659077.3/38

All: 758.773+/-0.084 χ^2/NDF: 9021263.0/72



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 67.532+/-19.526 χ^2/NDF:22.9/17

Left: 51.178+/-13.613 χ^2/NDF: 48.2/37

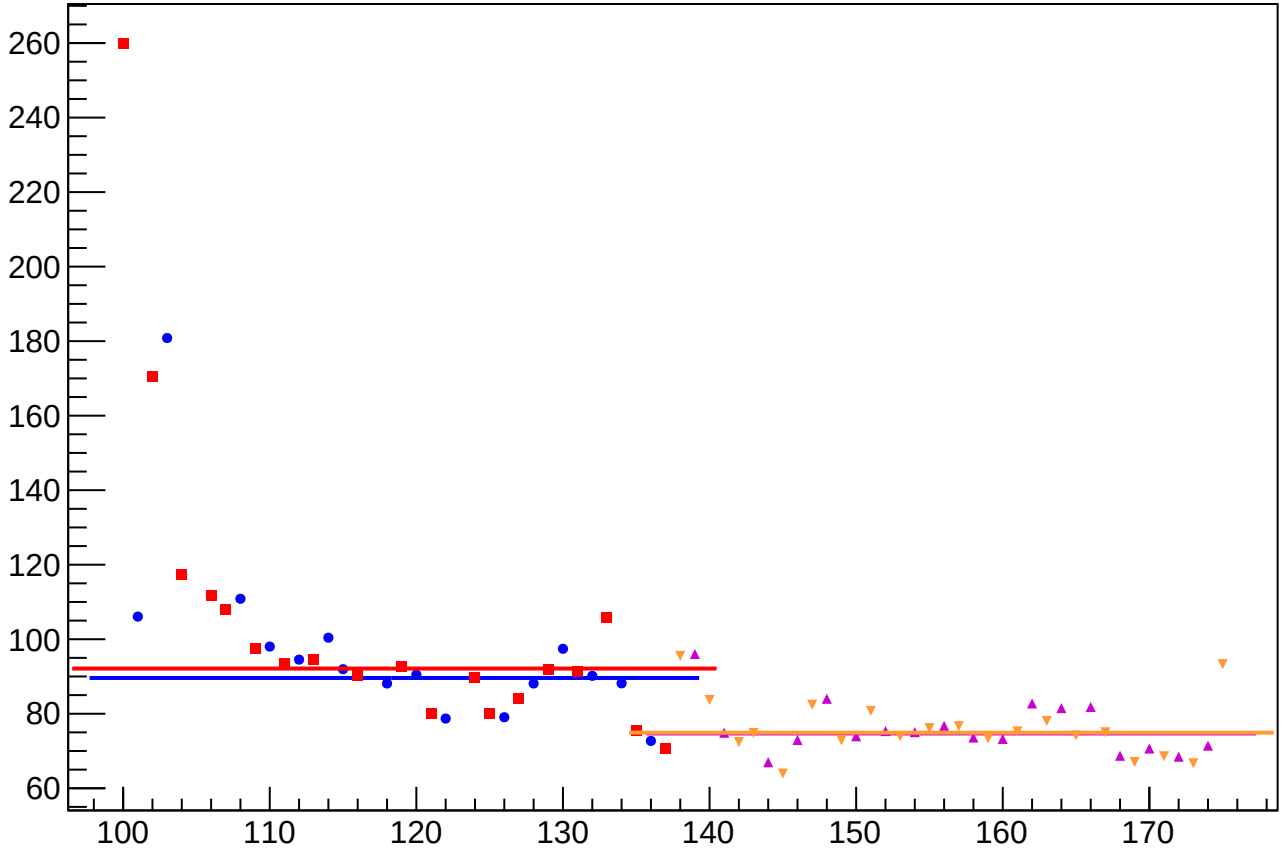
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 49.384+/-16.968 χ^2/NDF:45.3/33

Out: 44.002+/-16.678 χ^2/NDF:47.6/38

All: 46.647+/-11.894 χ^2/NDF: 93.0/72

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

Left: 74.816+/-0.010 χ^2/NDF: 486735.5/37

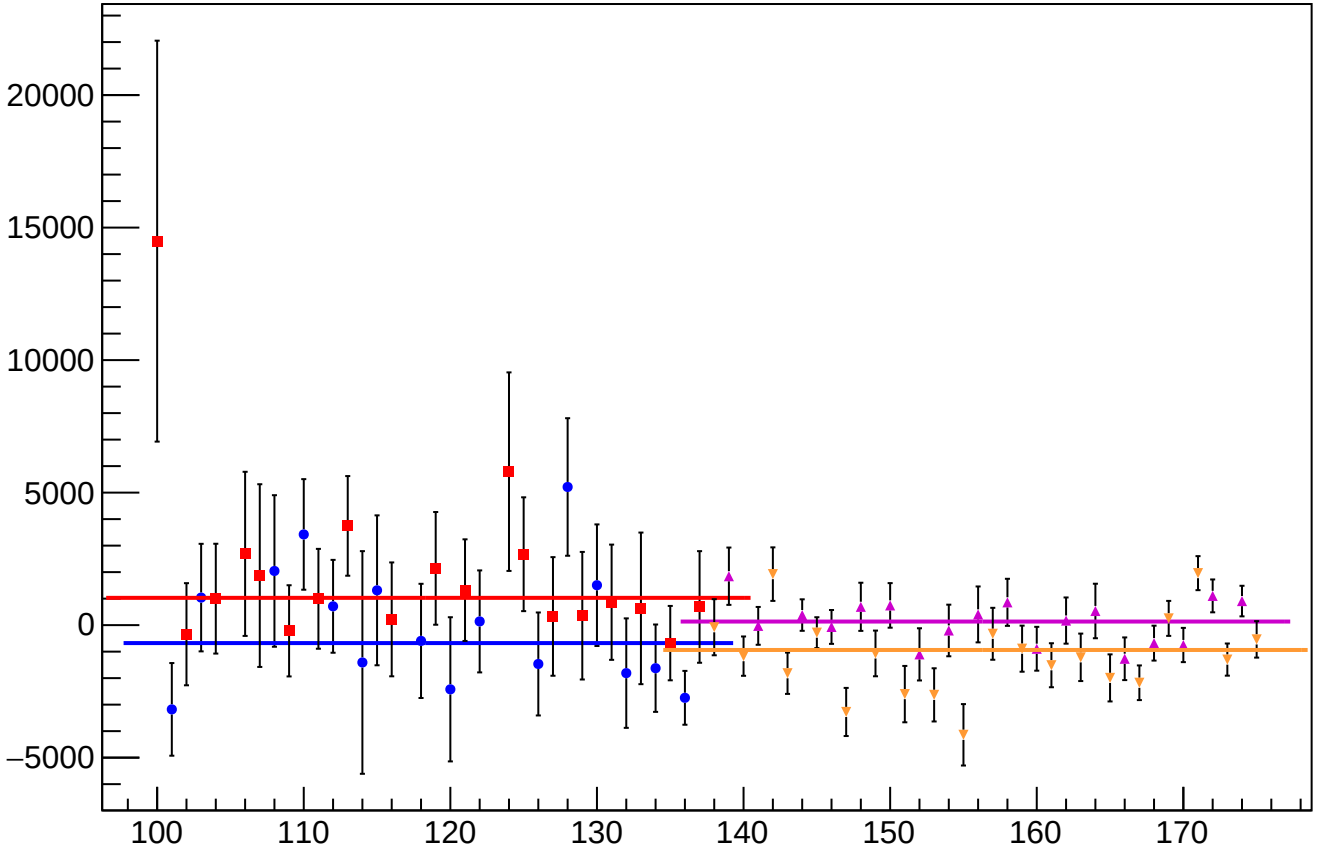
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.352+/-0.012 χ^2/NDF:980830.4/33

Out: 78.855+/-0.012 χ^2/NDF:1205083.6/38

All: 78.608+/-0.008 χ^2/NDF: 2186807.1/72

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 135.099+/-180.909 χ^2/NDF:18.5/17

Left: -410.961+/-126.748 χ^2/NDF: 97.6/37

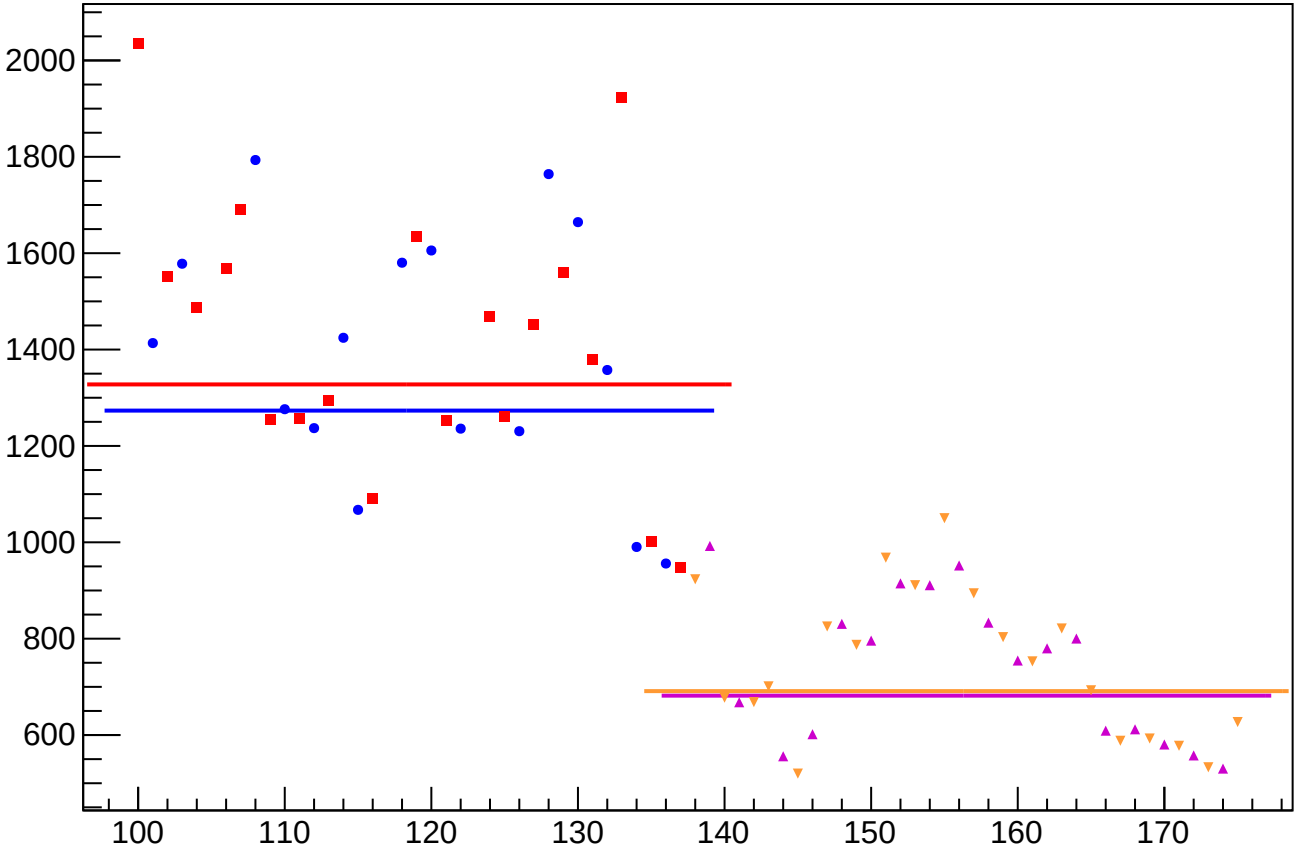
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 36.397+/-169.564 χ^2/NDF:41.2/33

Out: -714.652+/-167.270 χ^2/NDF:86.1/38

All: -344.241+/-119.081 χ^2/NDF: 137.3/72

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

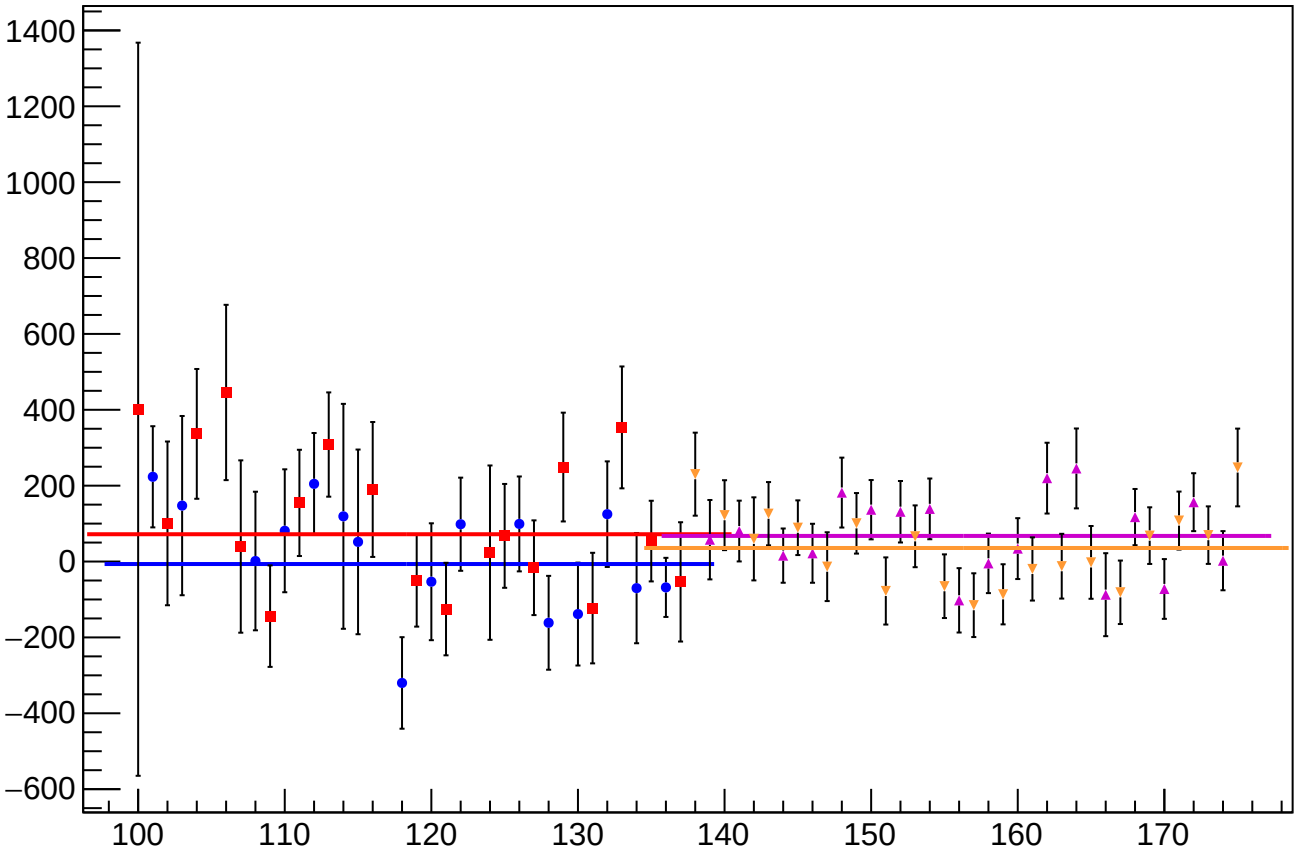
Left: 686.552+/-0.090 χ^2/NDF: 2410940.9/37

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 753.639+/-0.120 χ^2/NDF:4358605.3/33

Out: 763.252+/-0.118 χ^2/NDF:4612167.4/38

All: 758.511+/-0.084 χ^2/NDF: 8974030.4/72



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 67.532+/-19.526 χ^2/NDF:22.9/17

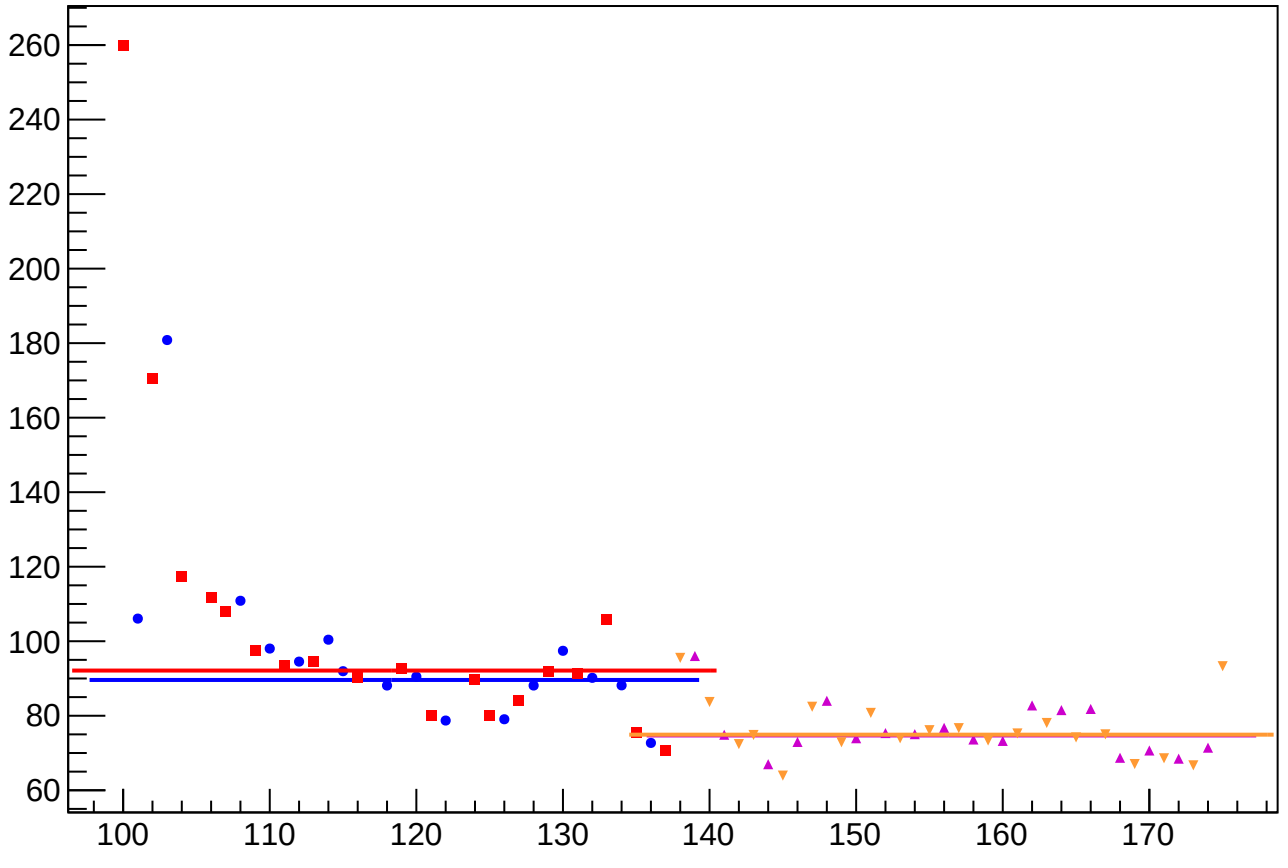
Left: 51.178+/-13.613 χ^2/NDF: 48.2/37

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 49.384+/-16.968 χ^2/NDF:45.3/33

Out: 44.002+/-16.678 χ^2/NDF:47.6/38

All: 46.647+/-11.894 χ^2/NDF: 93.0/72



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

Left: 74.816+/-0.010 χ^2/NDF: 486735.5/37

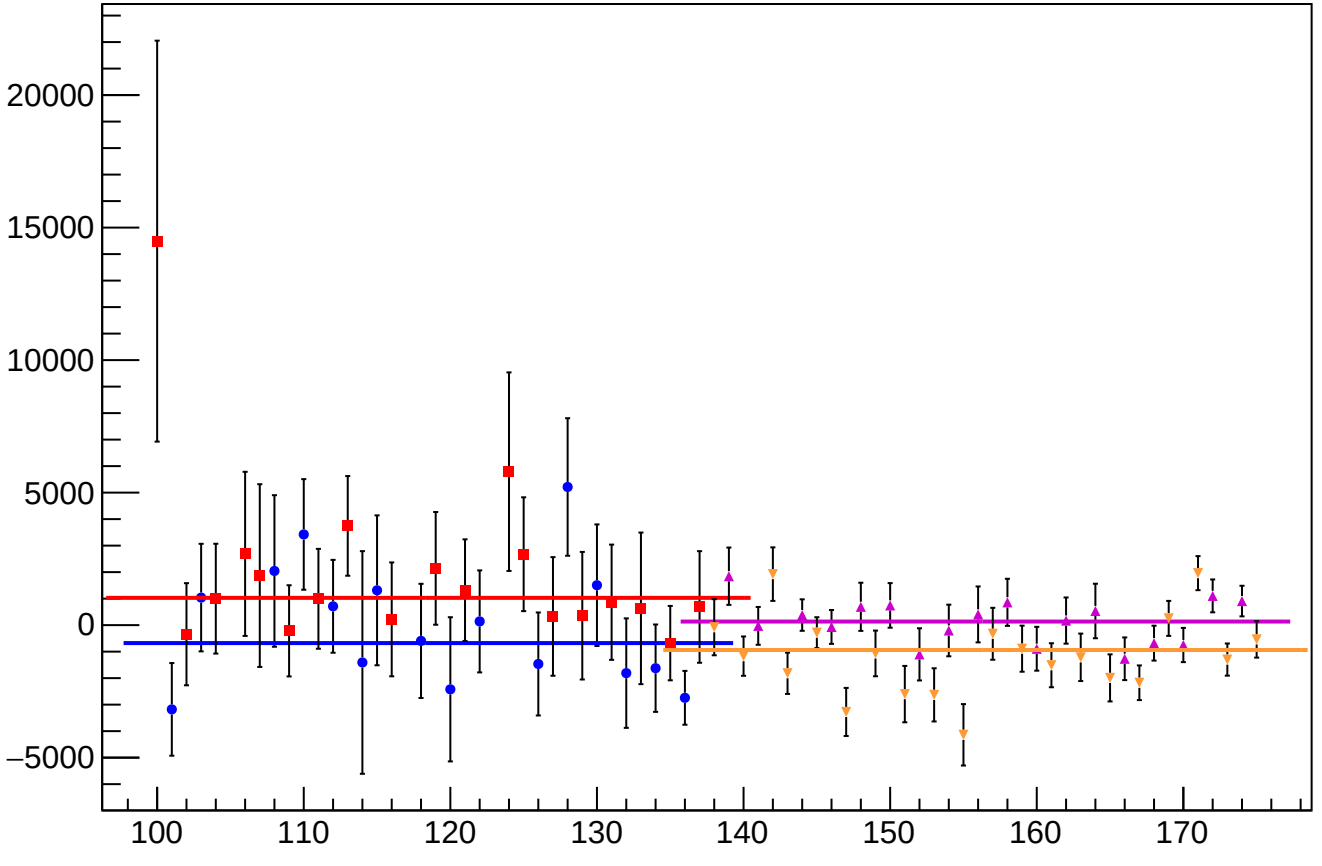
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.352+/-0.012 χ^2/NDF:980830.4/33

Out: 78.855+/-0.012 χ^2/NDF:1205083.6/38

All: 78.608+/-0.008 χ^2/NDF: 2186807.1/72

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 135.099+/-180.909 χ^2/NDF:18.5/17

Left: -410.961+/-126.748 χ^2/NDF: 97.6/37

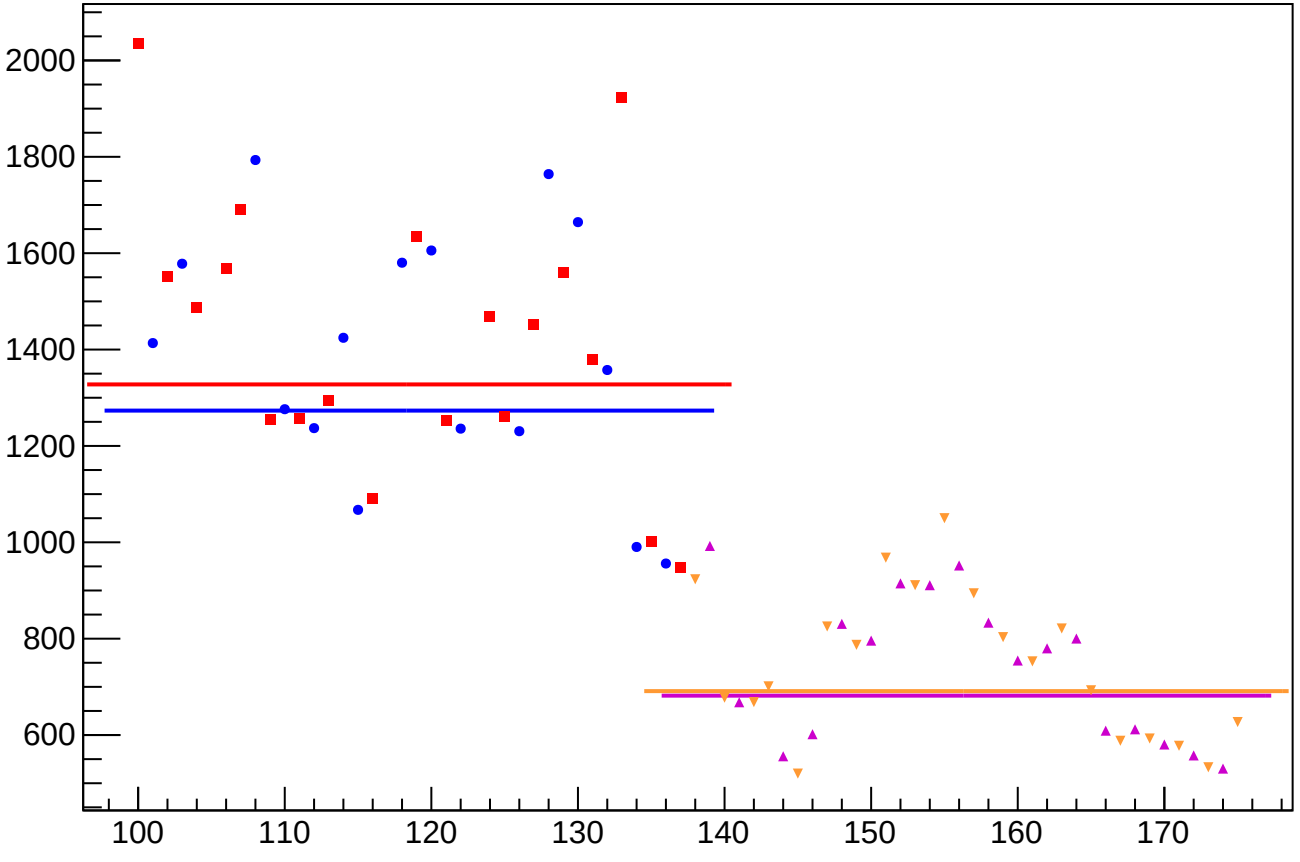
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 36.397+/-169.564 χ^2/NDF:41.2/33

Out: -714.652+/-167.270 χ^2/NDF:86.1/38

All: -344.241+/-119.081 χ^2/NDF: 137.3/72

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

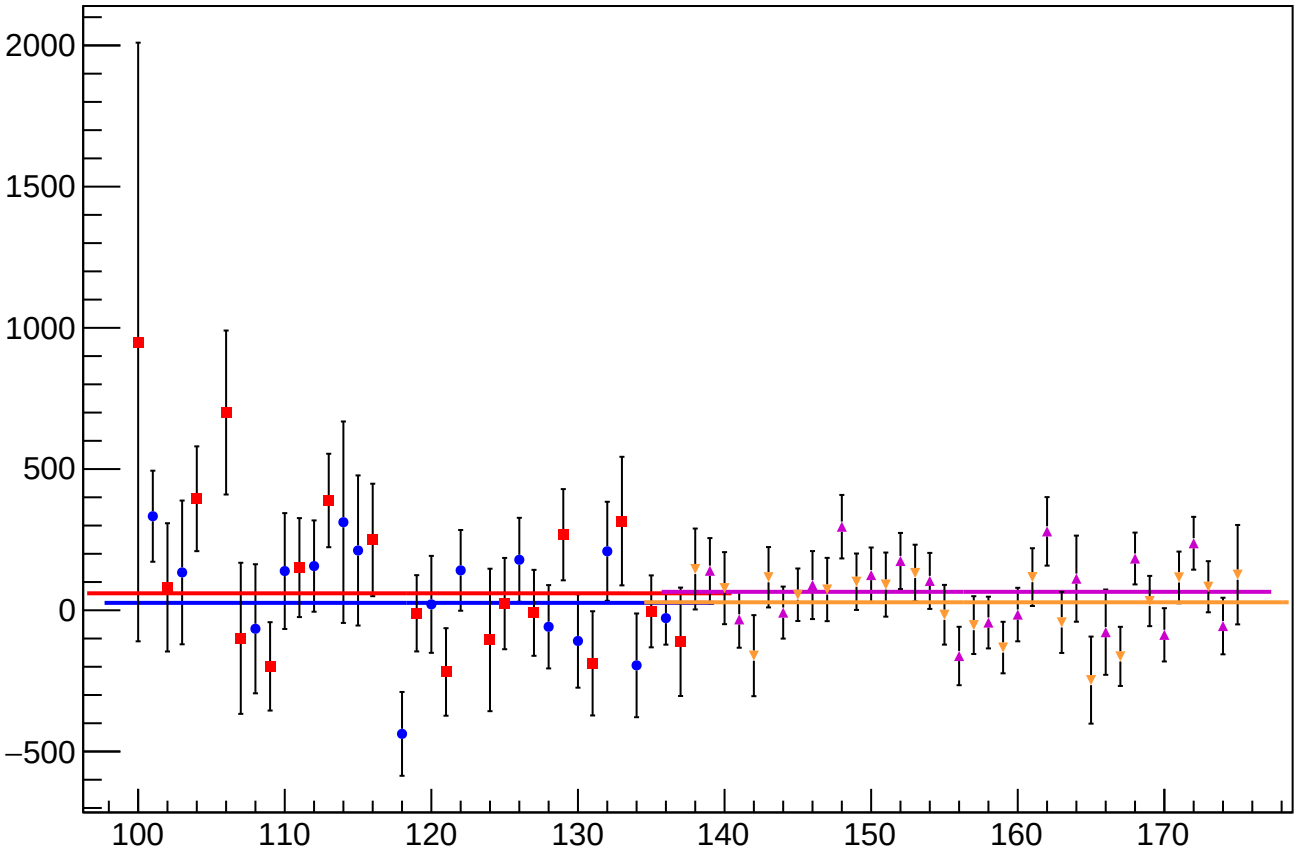
Left: 686.552+/-0.090 χ^2/NDF: 2410940.9/37

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 753.639+/-0.120 χ^2/NDF:4358605.3/33

Out: 763.252+/-0.118 χ^2/NDF:4612167.4/38

All: 758.511+/-0.084 χ^2/NDF: 8974030.4/72



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 65.315+/-24.455 χ^2/NDF:28.1/17

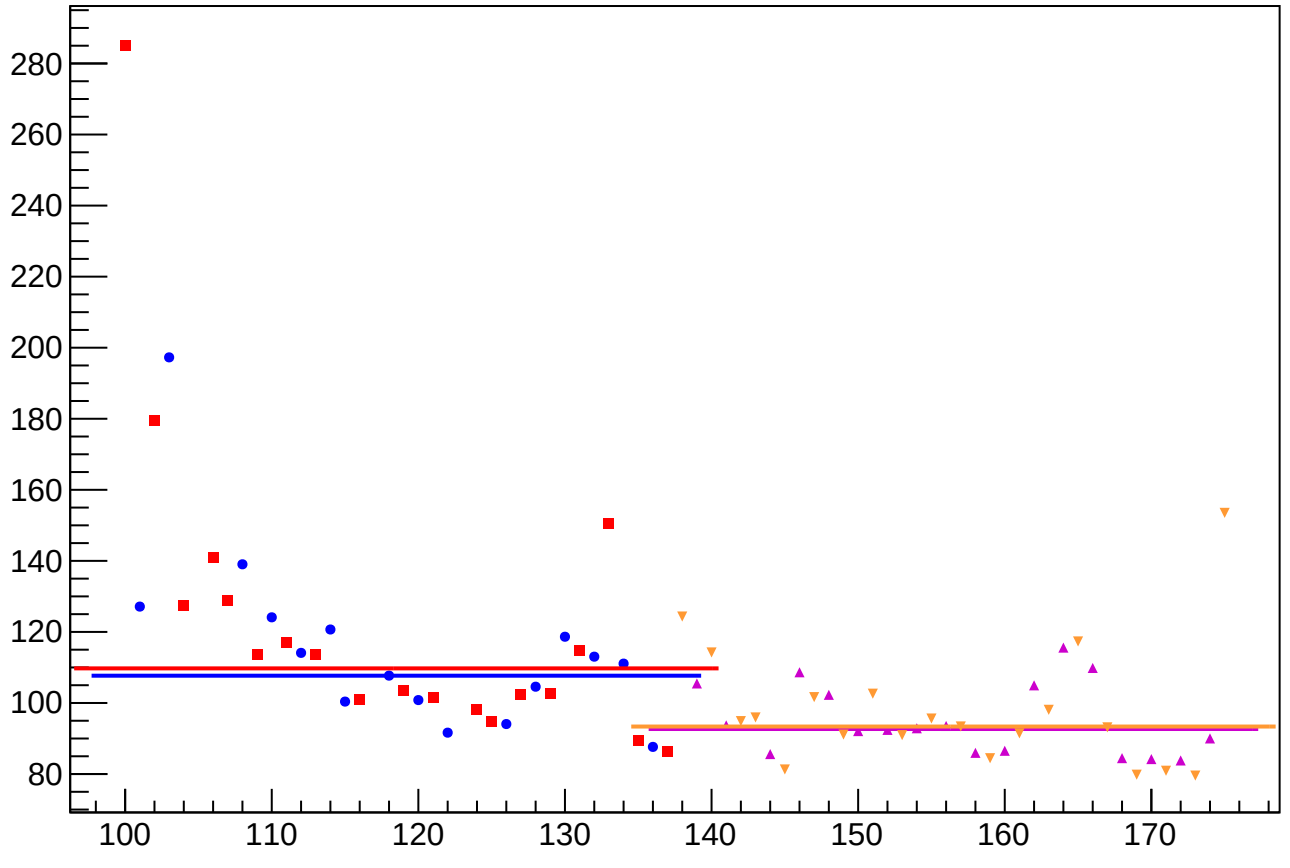
Left: 46.441+/-17.122 χ^2/NDF: 47.9/37

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 55.145+/-21.032 χ^2/NDF:50.2/33

Out: 36.250+/-20.767 χ^2/NDF:46.1/38

All: 45.578+/-14.777 χ^2/NDF: 96.7/72



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.370+/-0.017 χ^2/NDF:644626.7/19

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 92.677+/-0.017 χ^2/NDF:248737.8/17

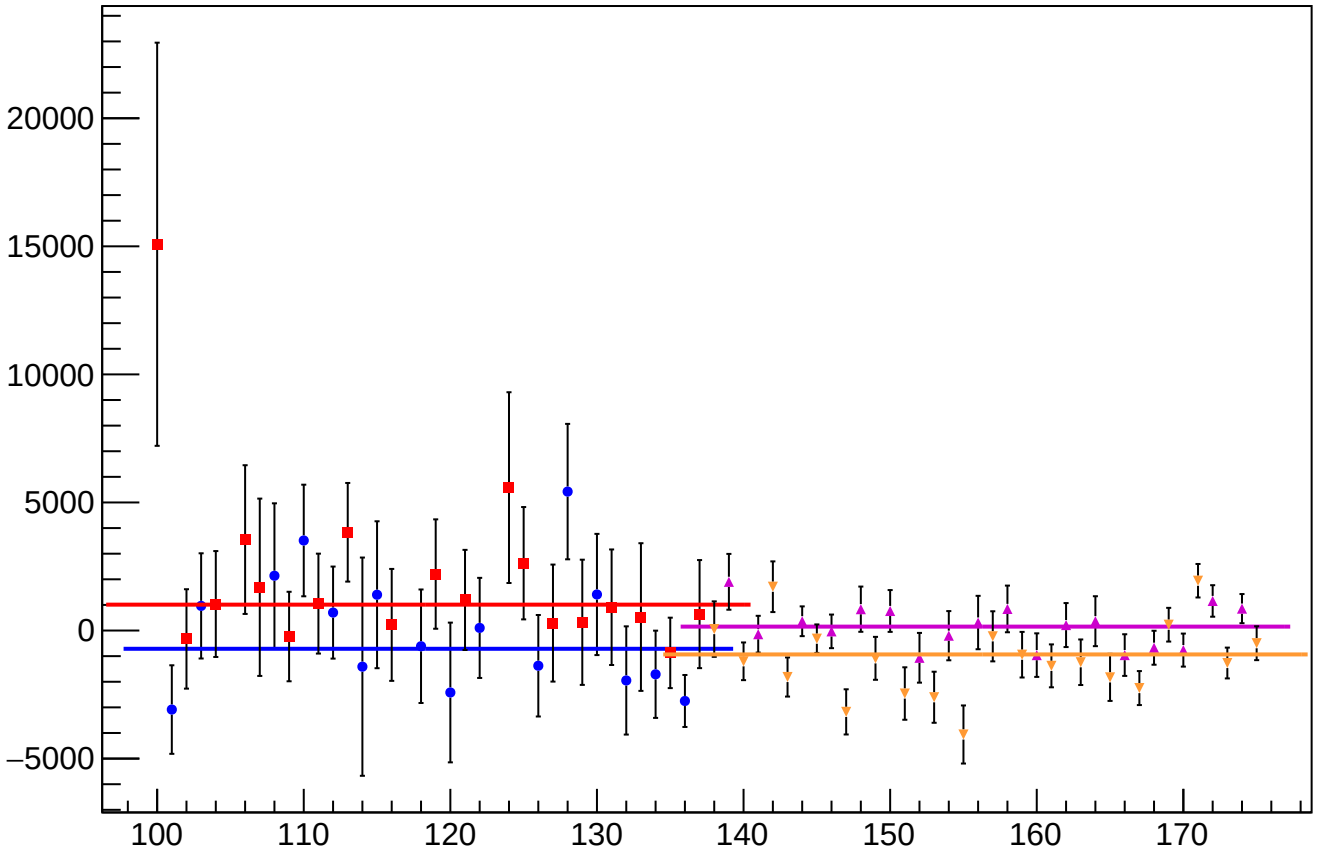
Left: 93.030+/-0.012 χ^2/NDF: 894182.8/37

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 96.583+/-0.015 χ^2/NDF:927837.7/33

Out: 97.463+/-0.015 χ^2/NDF:1369460.7/38

All: 97.029+/-0.010 χ^2/NDF: 2299073.4/72



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -933.168+/-176.069 χ^2/NDF:58.8/19

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 152.805+/-180.074 χ^2/NDF:17.8/17

Left: -402.392+/-125.892 χ^2/NDF: 95.2/37

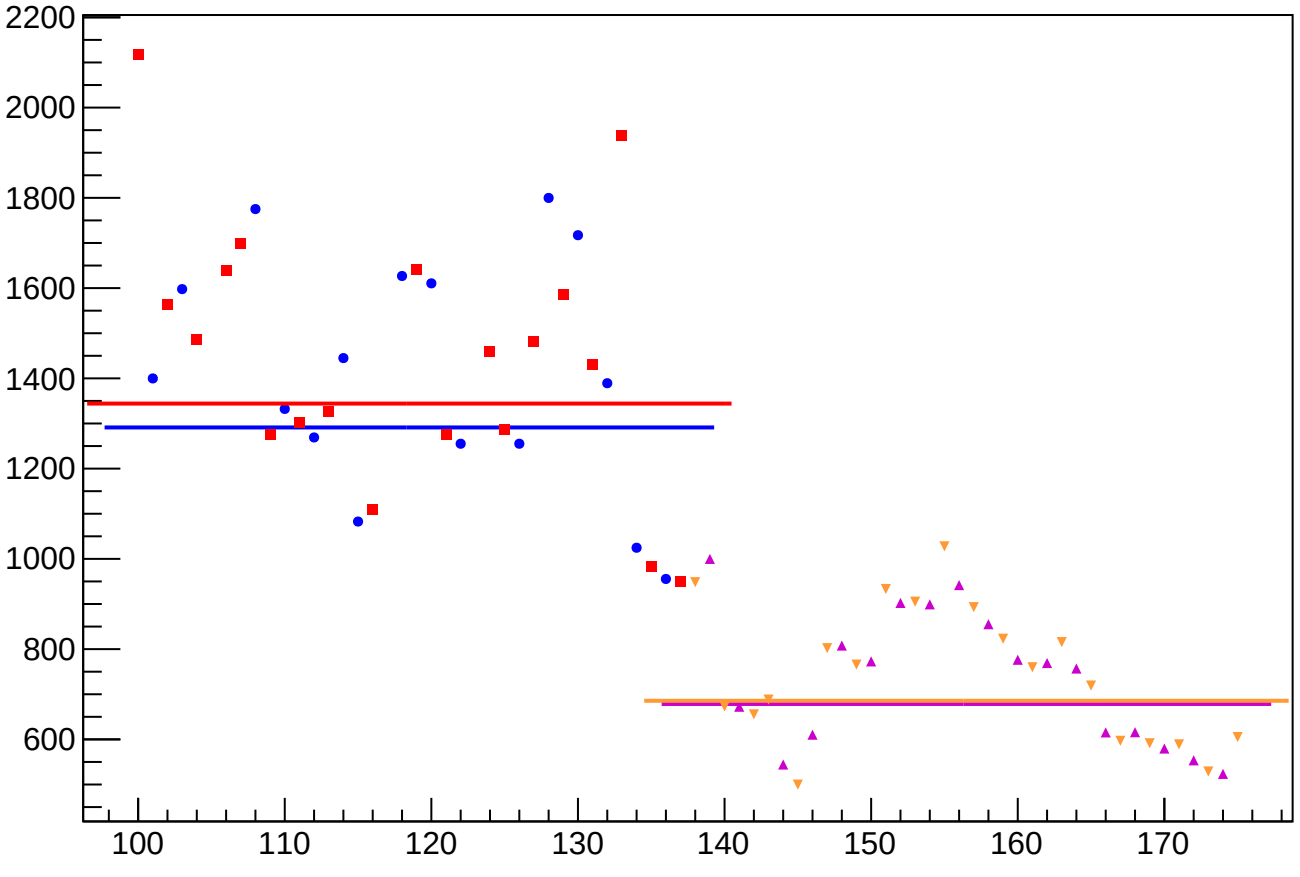
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 50.995+/-169.154 χ^2/NDF:40.6/33

Out: -719.778+/-166.123 χ^2/NDF:83.9/38

All: -341.358+/-118.524 χ^2/NDF: 135.1/72

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 685.564+/-0.124 χ^2/NDF:1276854.1/19

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 678.492+/-0.127 χ^2/NDF:1156155.1/17

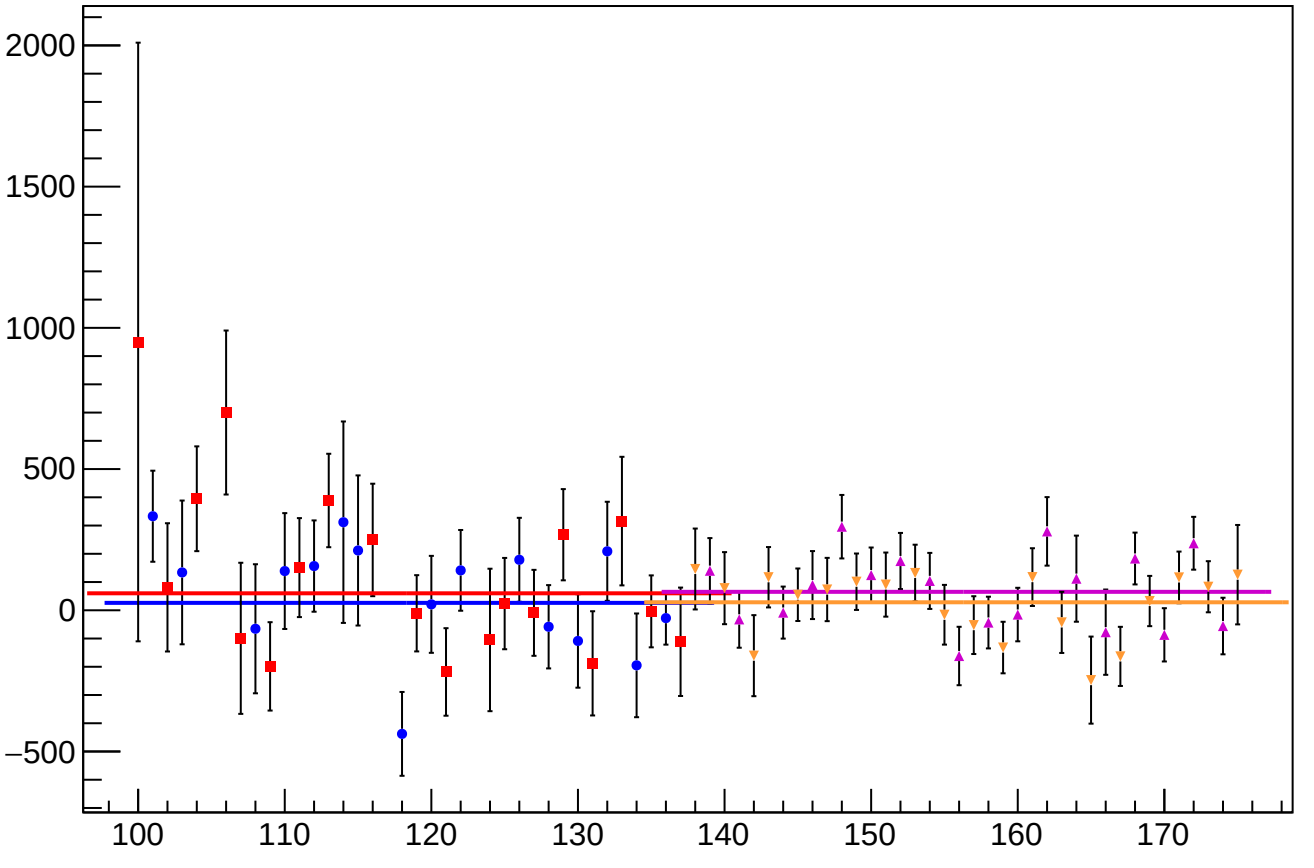
Left: 682.108+/-0.089 χ^2/NDF: 2434586.5/37

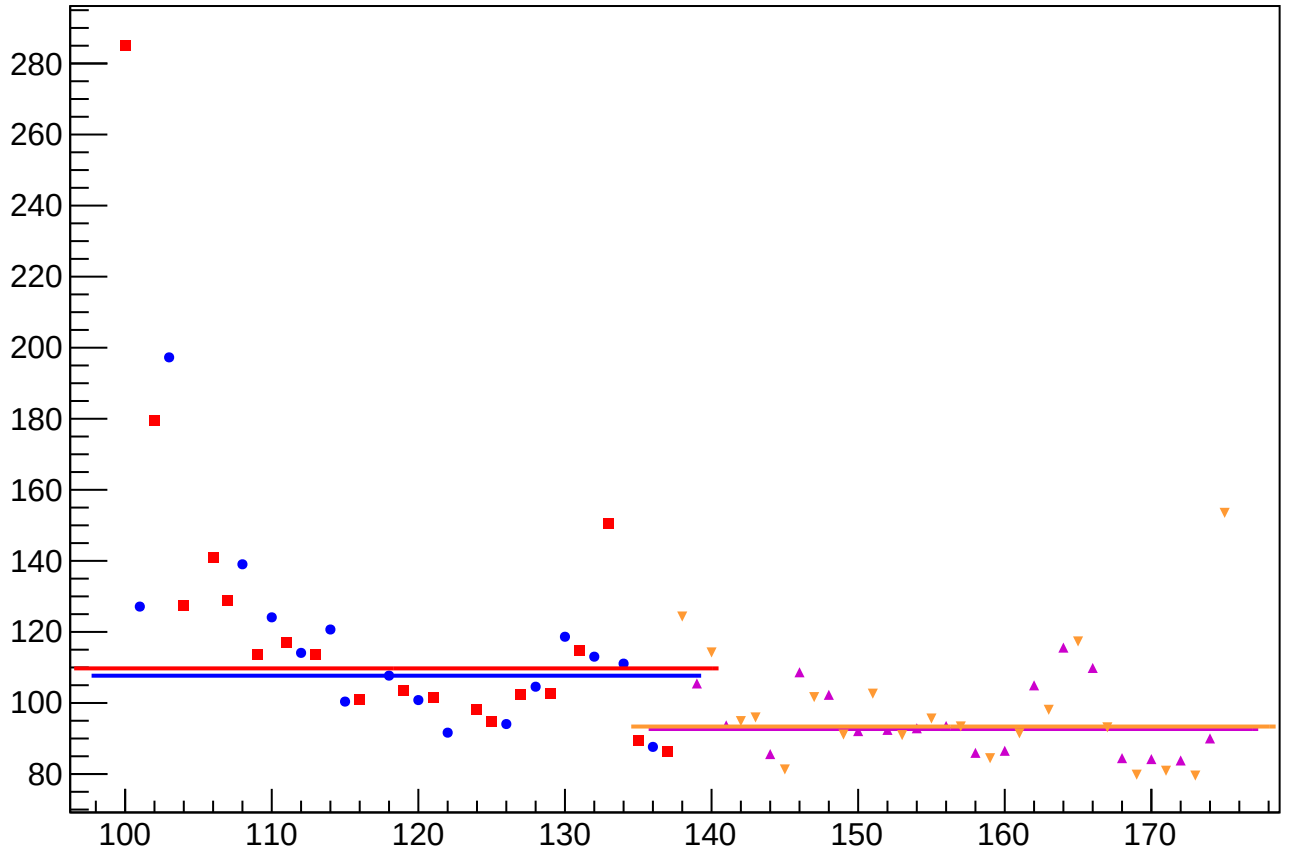
Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 750.552+/-0.120 χ^2/NDF:4490341.7/33

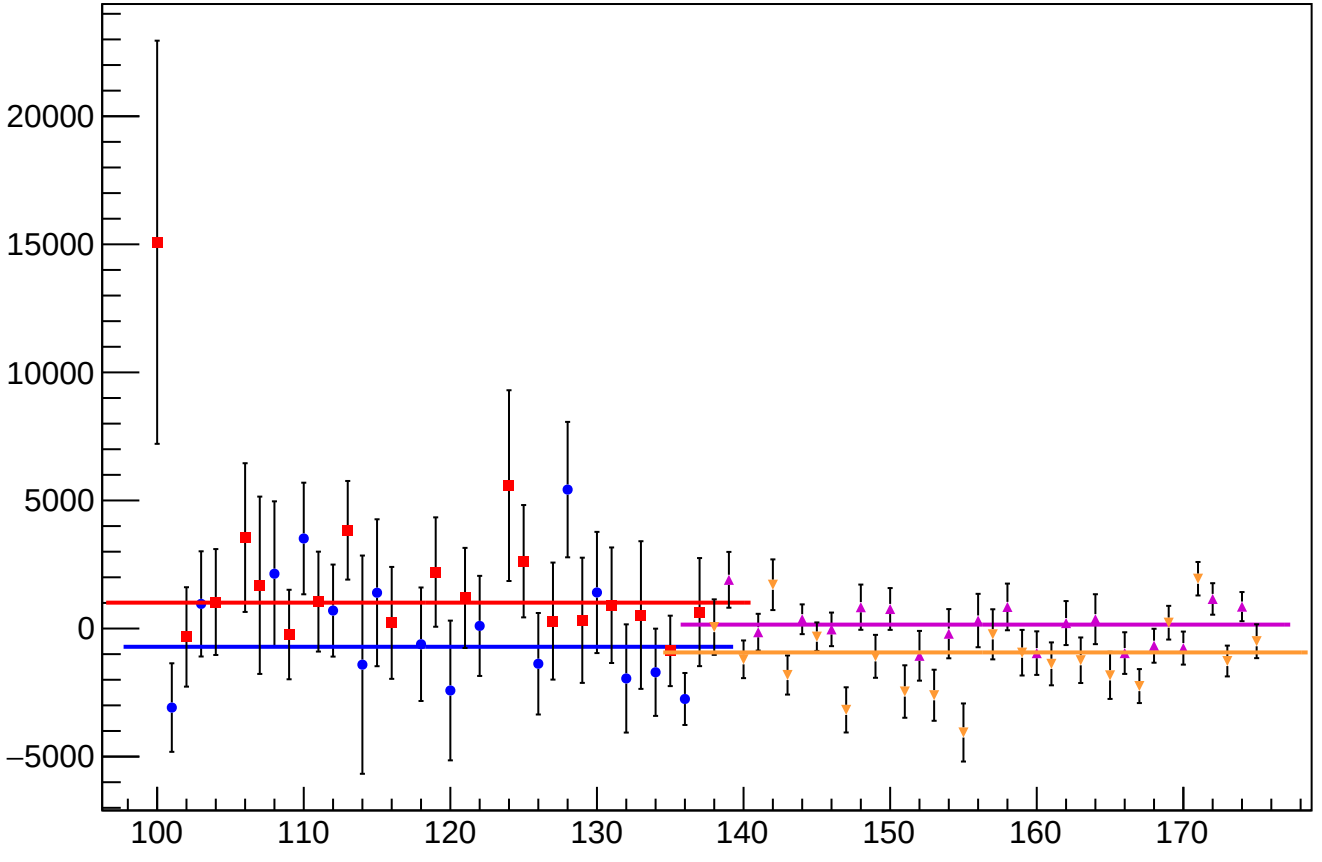
Out: 757.863+/-0.117 χ^2/NDF:4839557.7/38

All: 754.274+/-0.084 χ^2/NDF: 9331801.1/72


eigen_dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: 26.252+/-41.219 χ²/NDF: 21.4/15
Left Out: 28.291+/-23.981 χ²/NDF:18.6/19
Right Out: 60.117+/-41.528 χ²/NDF: 27.0/18
Left In: 65.314+/-24.455 χ²/NDF:28.1/17
Left: 46.441+/-17.122 χ²/NDF: 47.9/37
Right: 43.058+/-29.255 χ²/NDF: 48.7/34
In: 55.144+/-21.032 χ²/NDF:50.2/33
Out: 36.250+/-20.767 χ²/NDF:46.1/38
All: 45.578+/-14.777 χ²/NDF: 96.7/72


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
160
170
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 93.370+/-0.017 χ²/NDF:644621.1/19
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 92.677+/-0.017 χ²/NDF:248740.8/17
Left: 93.030+/-0.012 χ²/NDF: 894180.2/37
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 96.583+/-0.015 χ²/NDF:927801.5/33
Out: 97.463+/-0.015 χ²/NDF:1369427.3/38
All: 97.029+/-0.010 χ²/NDF: 2299003.9/72

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -933.166+/-176.069 χ^2/NDF:58.8/19

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 152.804+/-180.074 χ^2/NDF:17.8/17

Left: -402.392+/-125.892 χ^2/NDF: 95.2/37

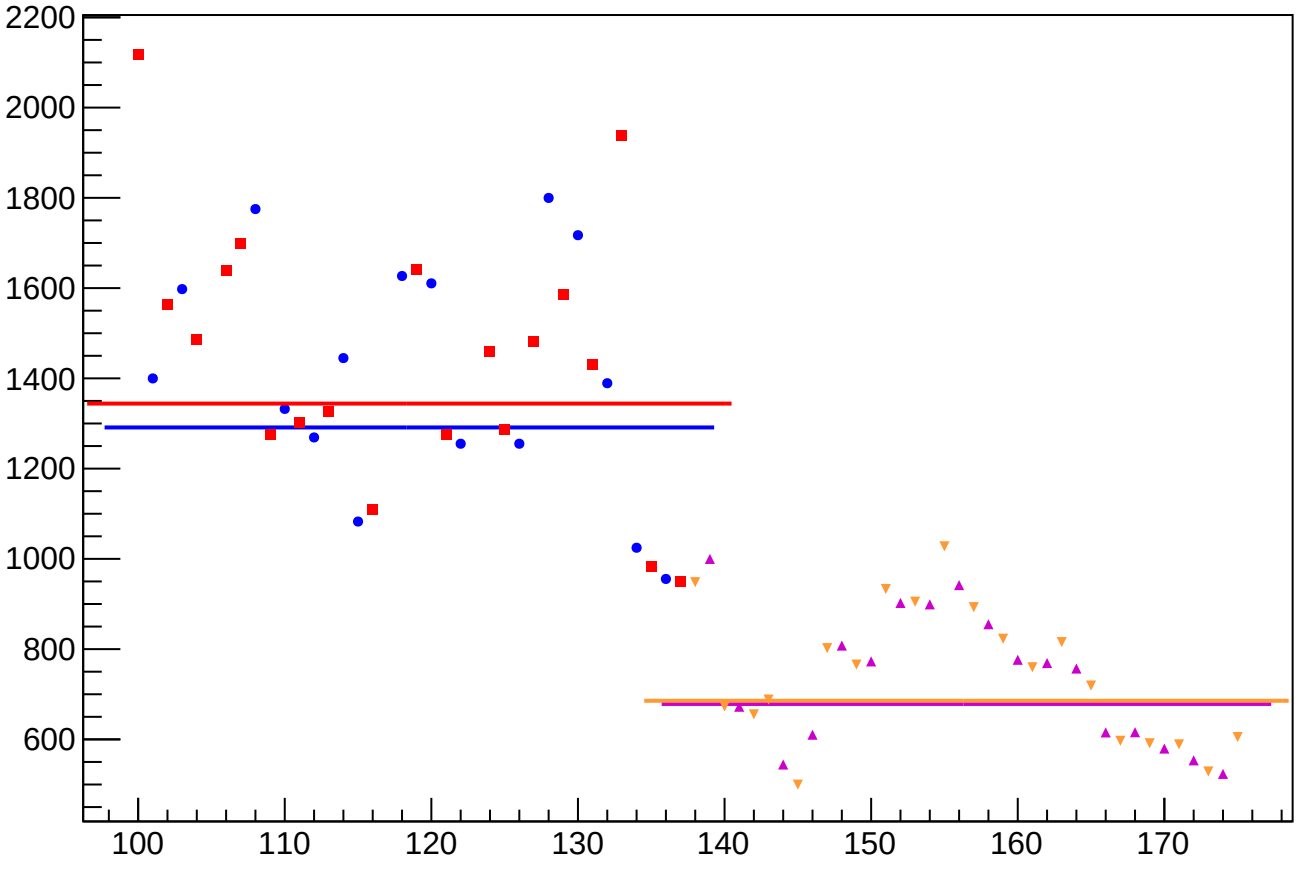
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 50.994+/-169.154 χ^2/NDF:40.6/33

Out: -719.776+/-166.123 χ^2/NDF:83.9/38

All: -341.358+/-118.524 χ^2/NDF: 135.1/72

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 685.563+/-0.124 χ^2/NDF:1276861.2/19

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 678.490+/-0.127 χ^2/NDF:1156159.0/17

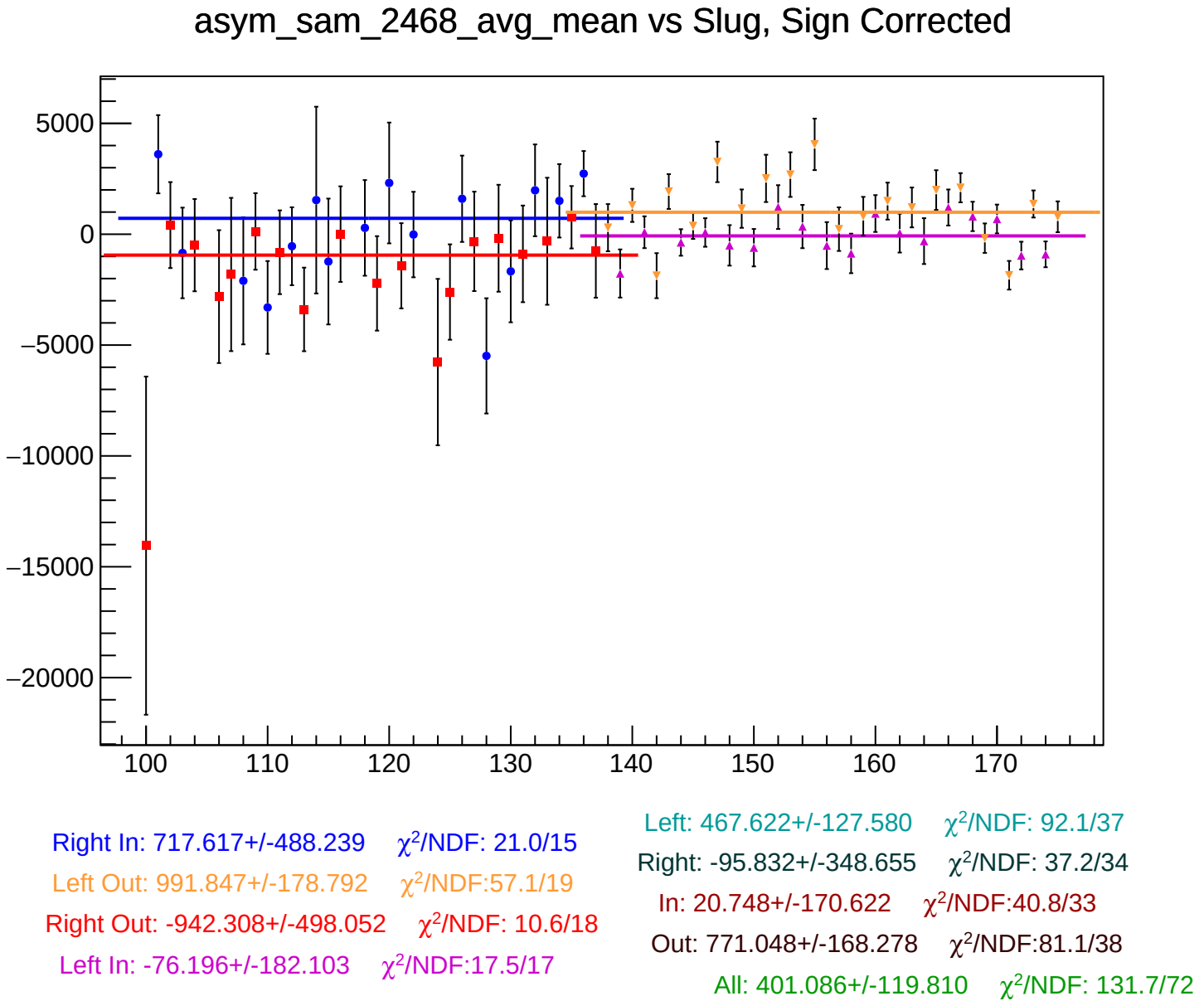
Left: 682.106+/-0.089 χ^2/NDF: 2434597.5/37

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

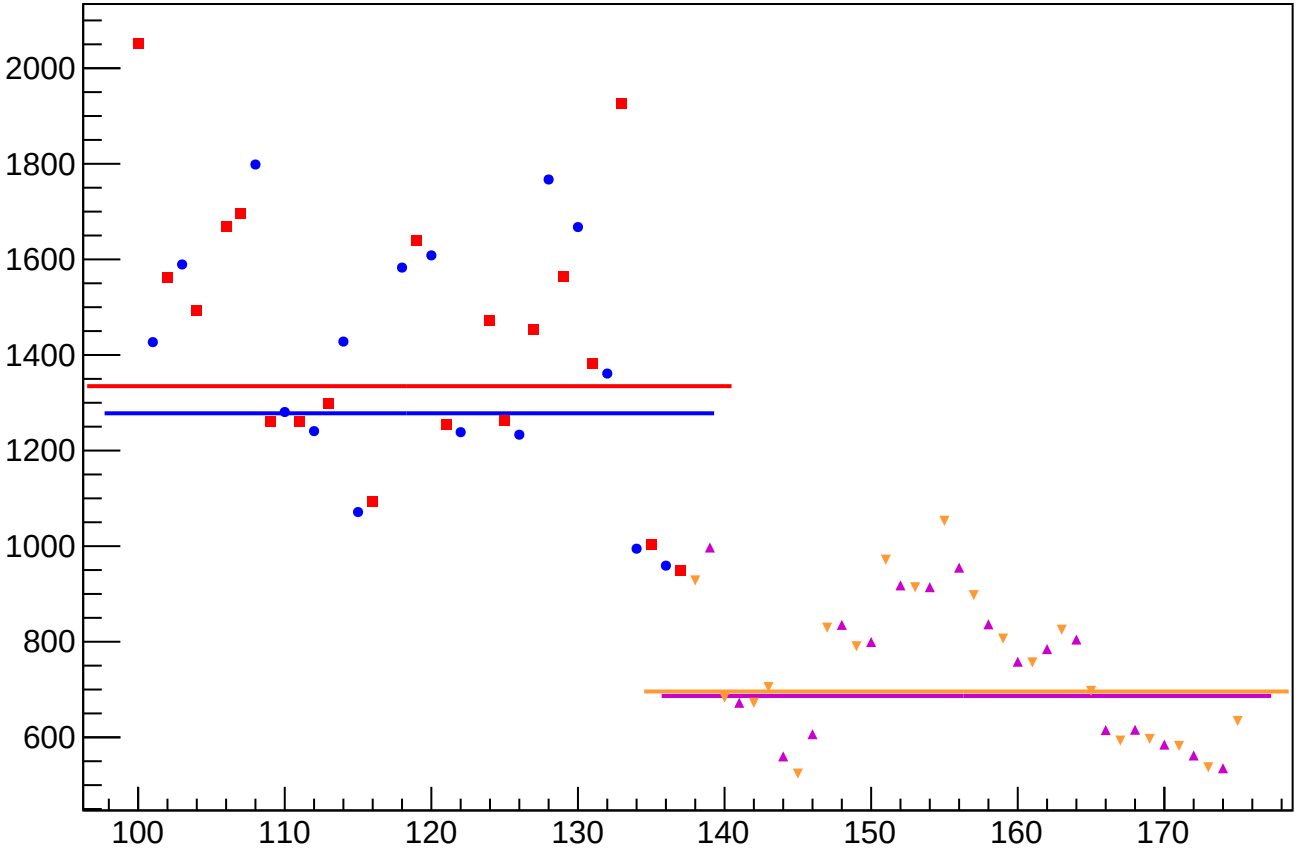
In: 750.551+/-0.120 χ^2/NDF:4490342.4/33

Out: 757.861+/-0.117 χ^2/NDF:4839562.2/38

All: 754.272+/-0.084 χ^2/NDF: 9331806.2/72


asym_sam_2468_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 717.617+/-488.239 χ²/NDF: 21.0/15
Left Out: 991.847+/-178.792 χ²/NDF:57.1/19
Right Out: -942.308+/-498.052 χ²/NDF: 10.6/18
Left In: -76.196+/-182.103 χ²/NDF:17.5/17
Left: 467.622+/-127.580 χ²/NDF: 92.1/37
Right: -95.832+/-348.655 χ²/NDF: 37.2/34
In: 20.748+/-170.622 χ²/NDF:40.8/33
Out: 771.048+/-168.278 χ²/NDF:81.1/38
All: 401.086+/-119.810 χ²/NDF: 131.7/72

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 695.905+/-0.126 χ^2/NDF:1225590.7/19

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 686.512+/-0.129 χ^2/NDF:1144042.2/17

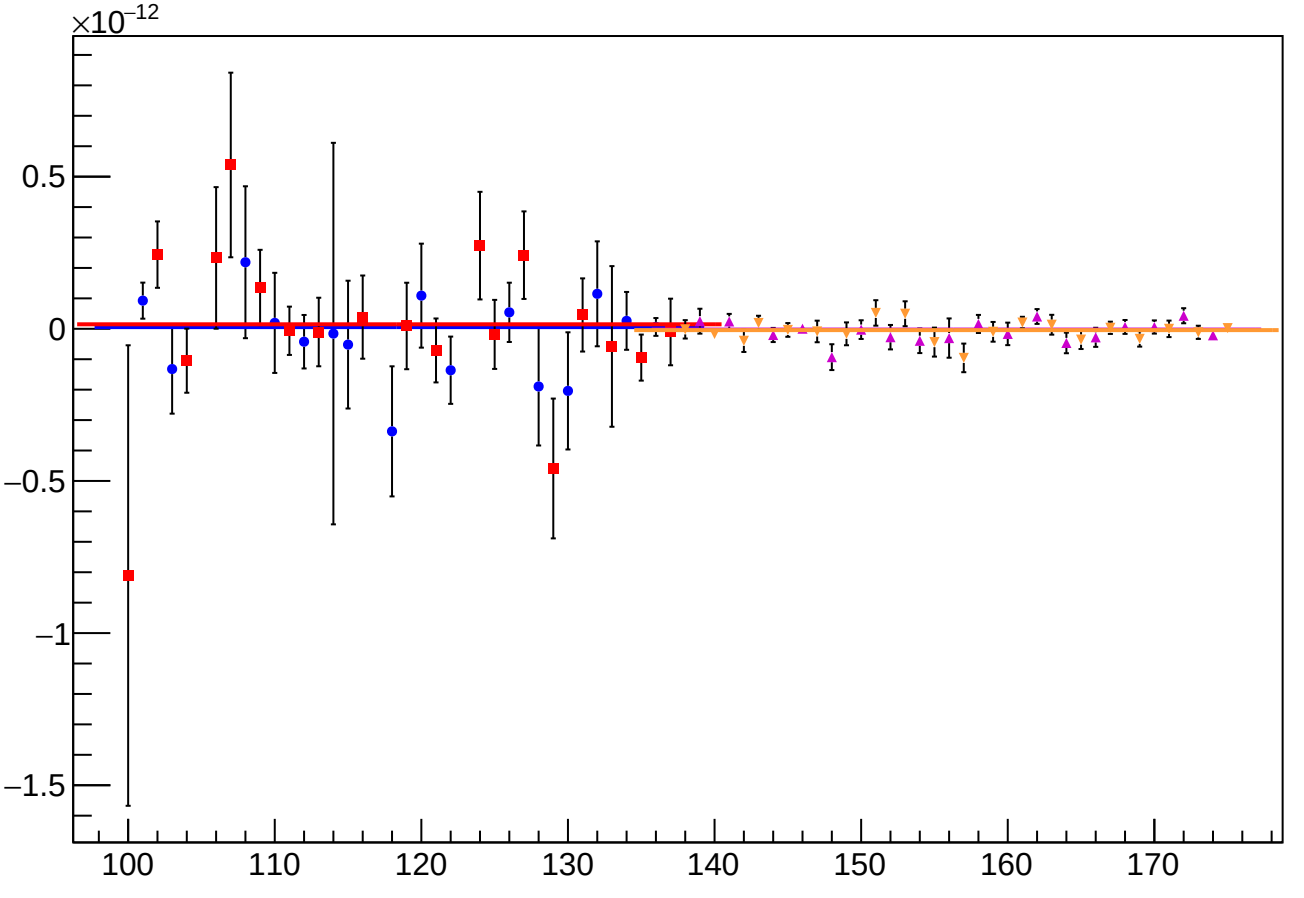
Left: 691.294+/-0.090 χ^2/NDF: 2372342.1/37

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 758.745+/-0.121 χ^2/NDF:4318382.3/33

Out: 768.837+/-0.119 χ^2/NDF:4612652.8/38

All: 763.860+/-0.085 χ^2/NDF: 8934582.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/17

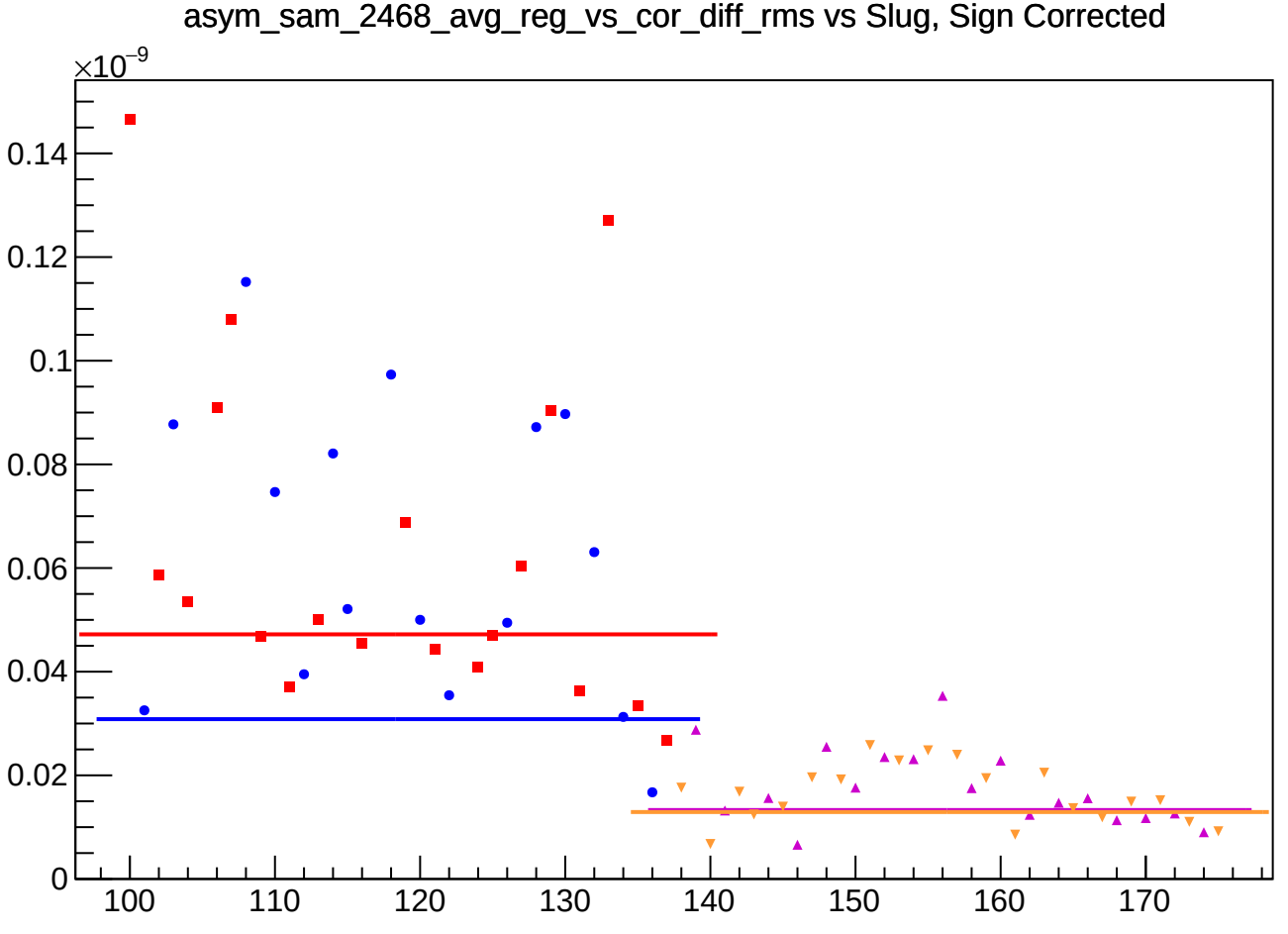
Left: -0.000+/-0.000 χ^2/NDF: 34.8/37

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.0/33

Out: -0.000+/-0.000 χ^2/NDF:39.7/38

All: -0.000+/-0.000 χ^2/NDF: 70.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549579.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1773728.3/17

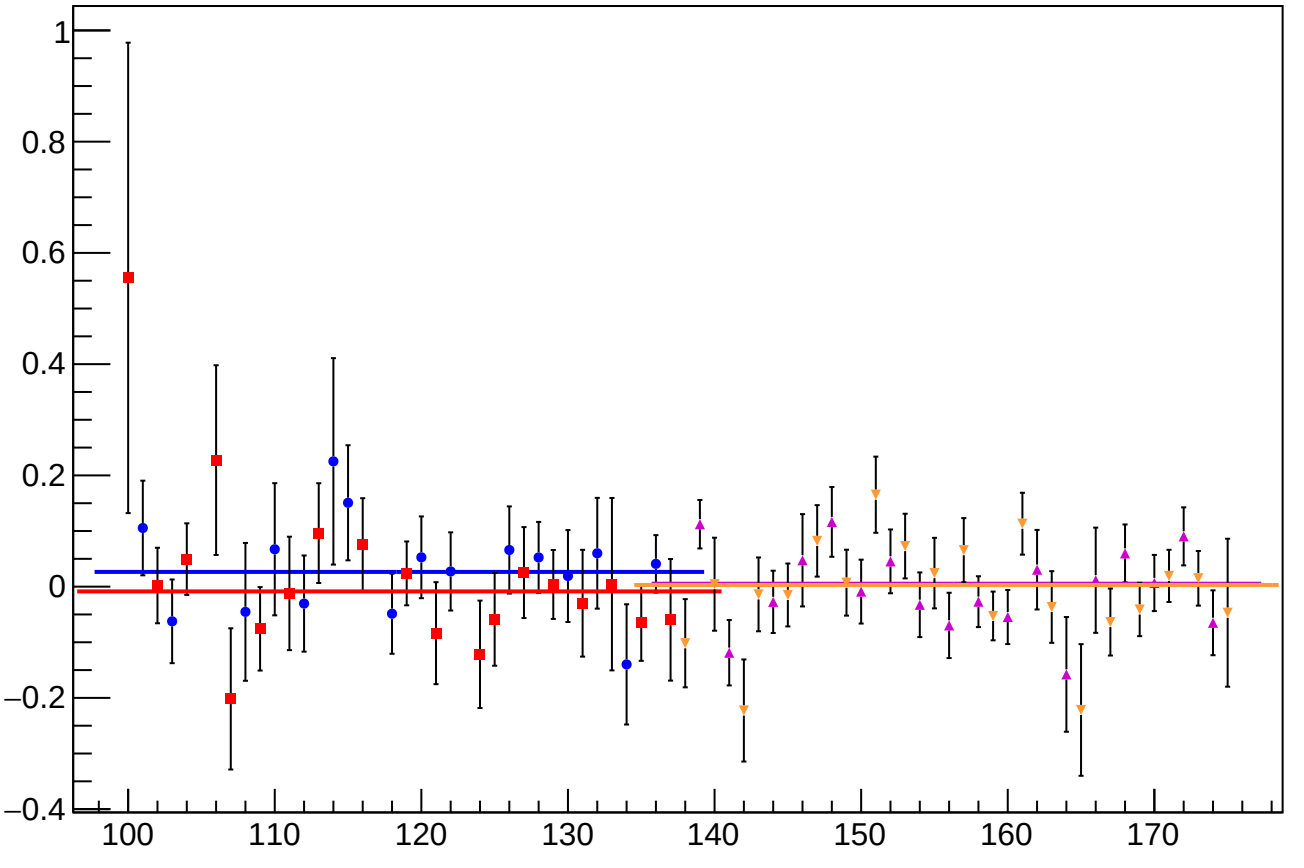
Left: 0.000+/-0.000 χ^2/NDF: 3327554.1/37

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4910660.9/33

Out: 0.000+/-0.000 χ^2/NDF:5033124.7/38

All: 0.000+/-0.000 χ^2/NDF: 9948647.2/72



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

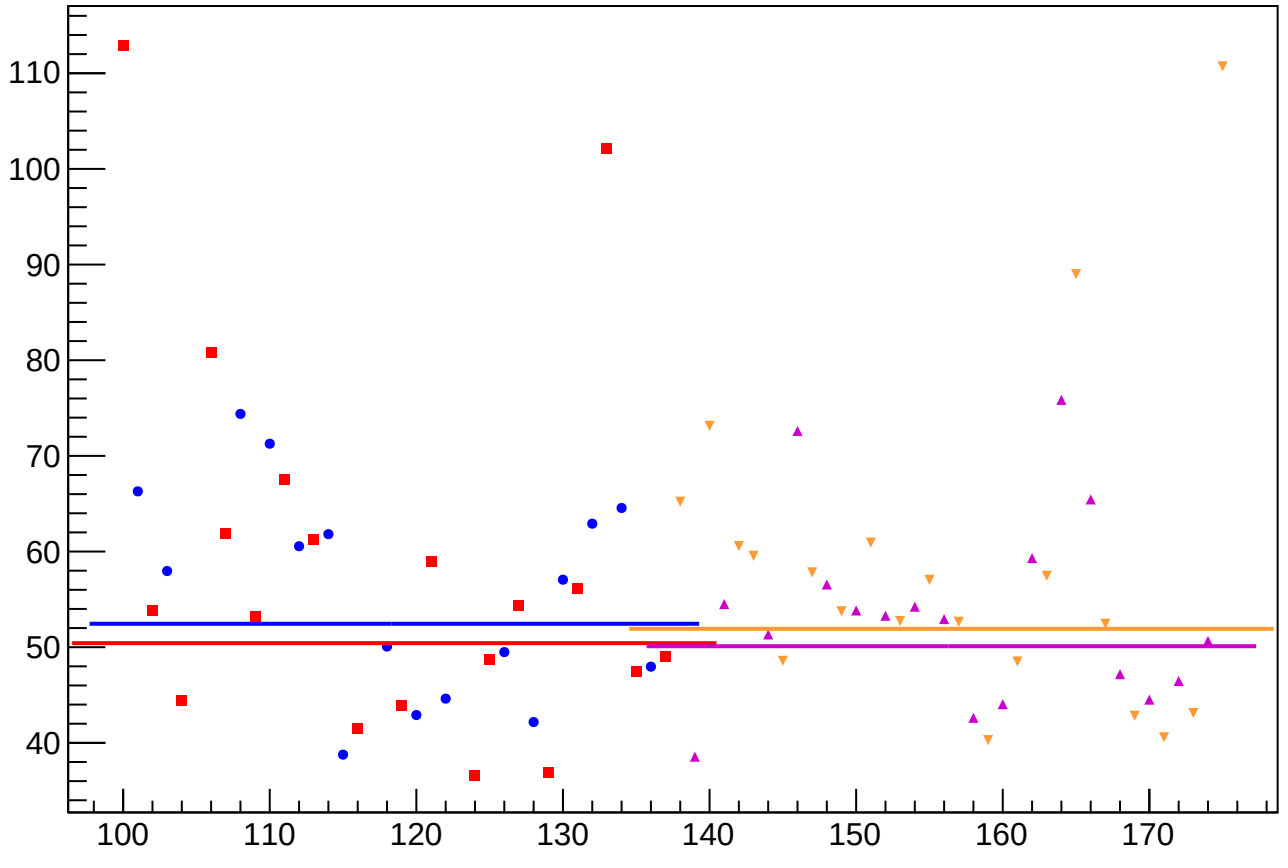
Left: 0.004+/-0.010 χ^2/NDF: 56.4/37

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.005+/-0.008 χ^2/NDF: 81.9/72



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

Left: 51.003+/-0.007 χ^2/NDF: 2011265.8/37

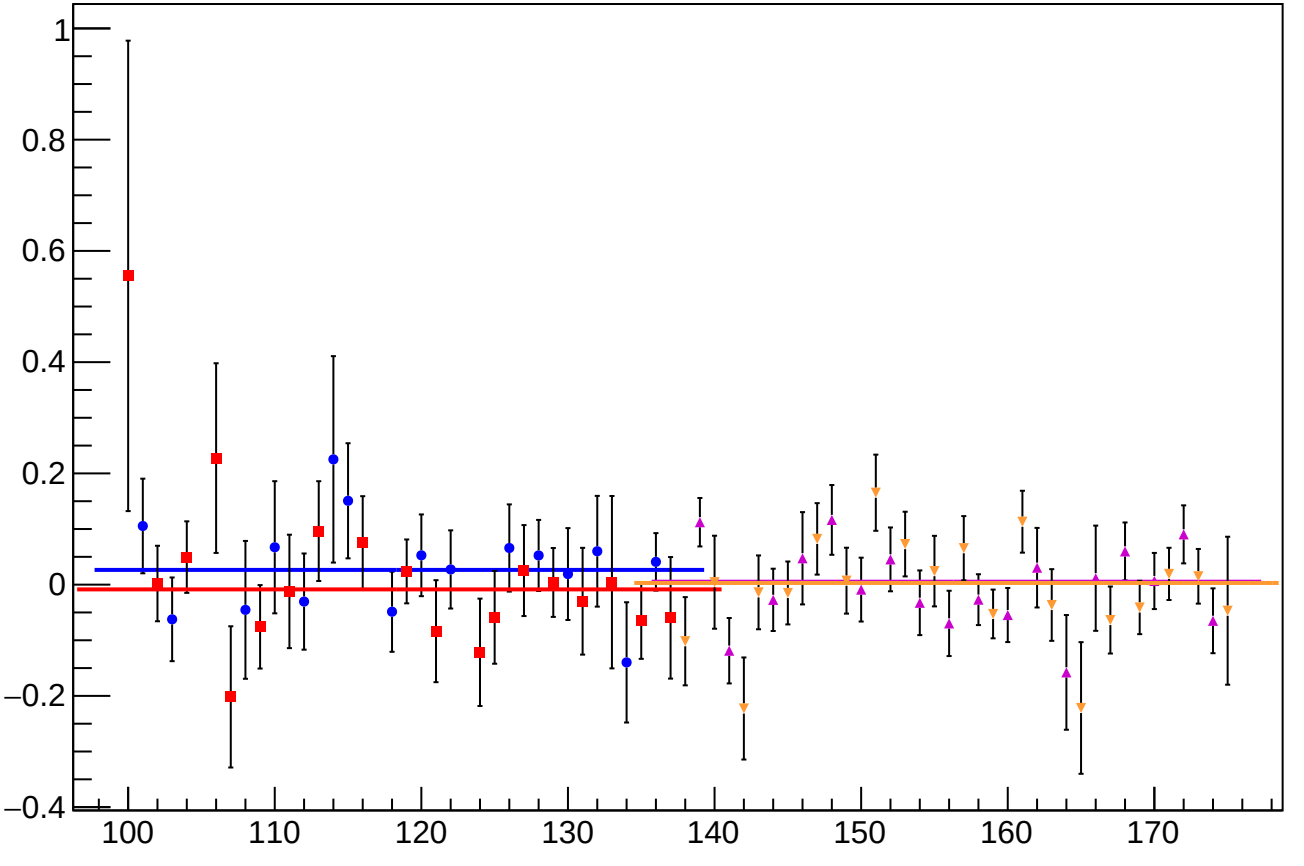
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.821+/-0.008 χ^2/NDF:1122837.0/33

Out: 51.427+/-0.008 χ^2/NDF:1991649.4/38

All: 51.126+/-0.006 χ^2/NDF: 3117394.1/72

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

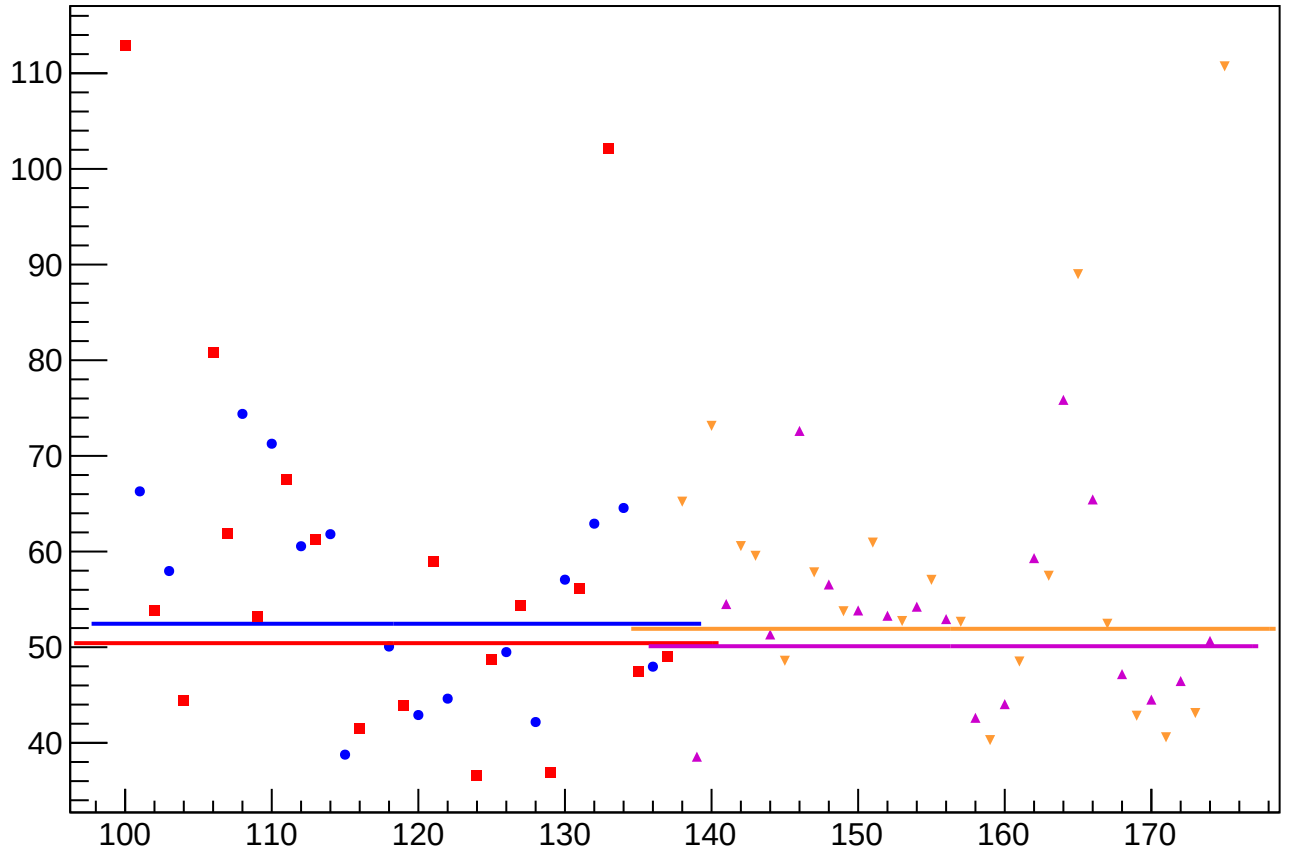
Left: 0.004+/-0.010 χ^2/NDF: 56.4/37

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.005+/-0.008 χ^2/NDF: 81.9/72



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

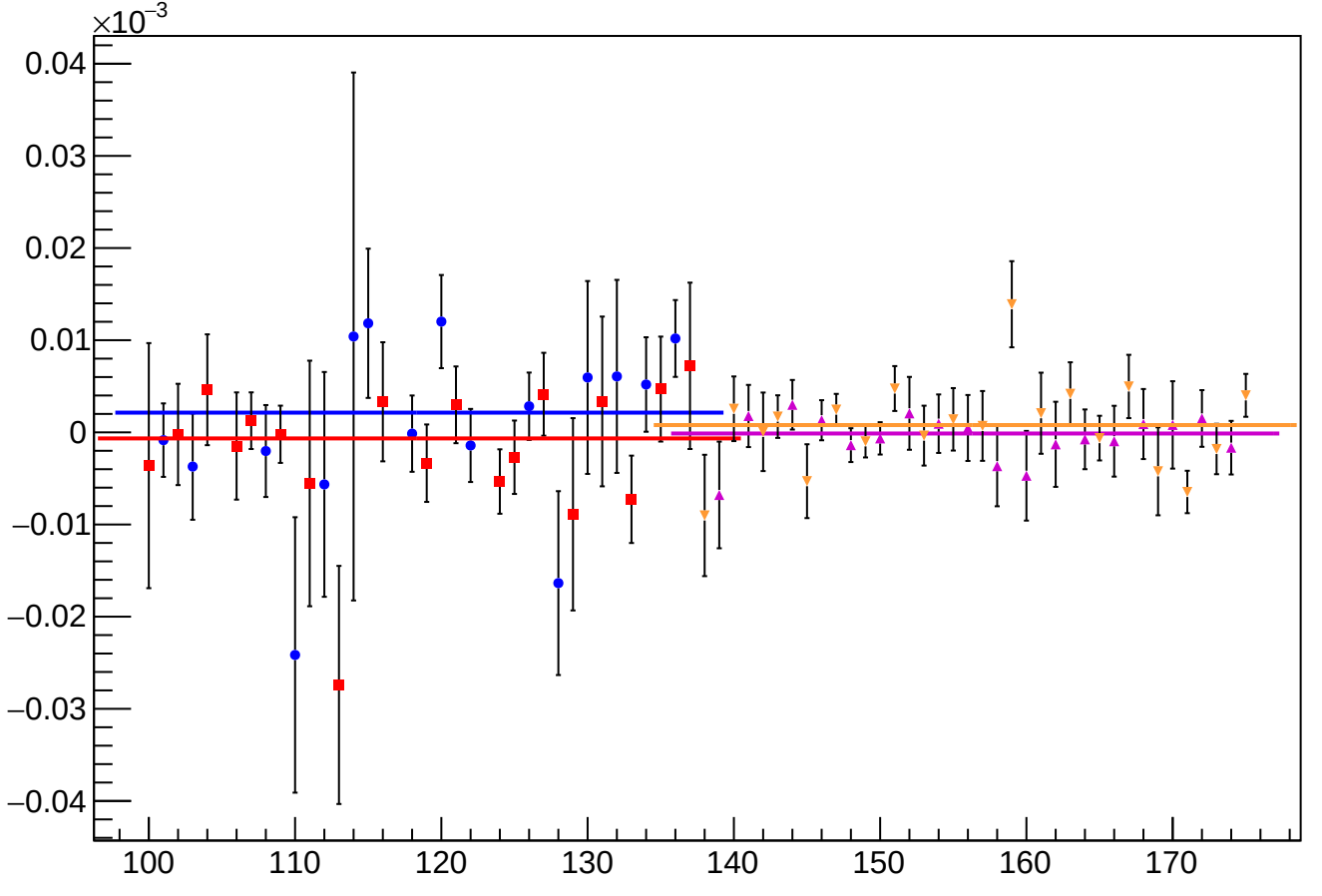
Left: 51.003+/-0.007 χ^2/NDF: 2011265.8/37

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.821+/-0.008 χ^2/NDF:1122837.0/33

Out: 51.427+/-0.008 χ^2/NDF:1991649.4/38

All: 51.126+/-0.006 χ^2/NDF: 3117394.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/17

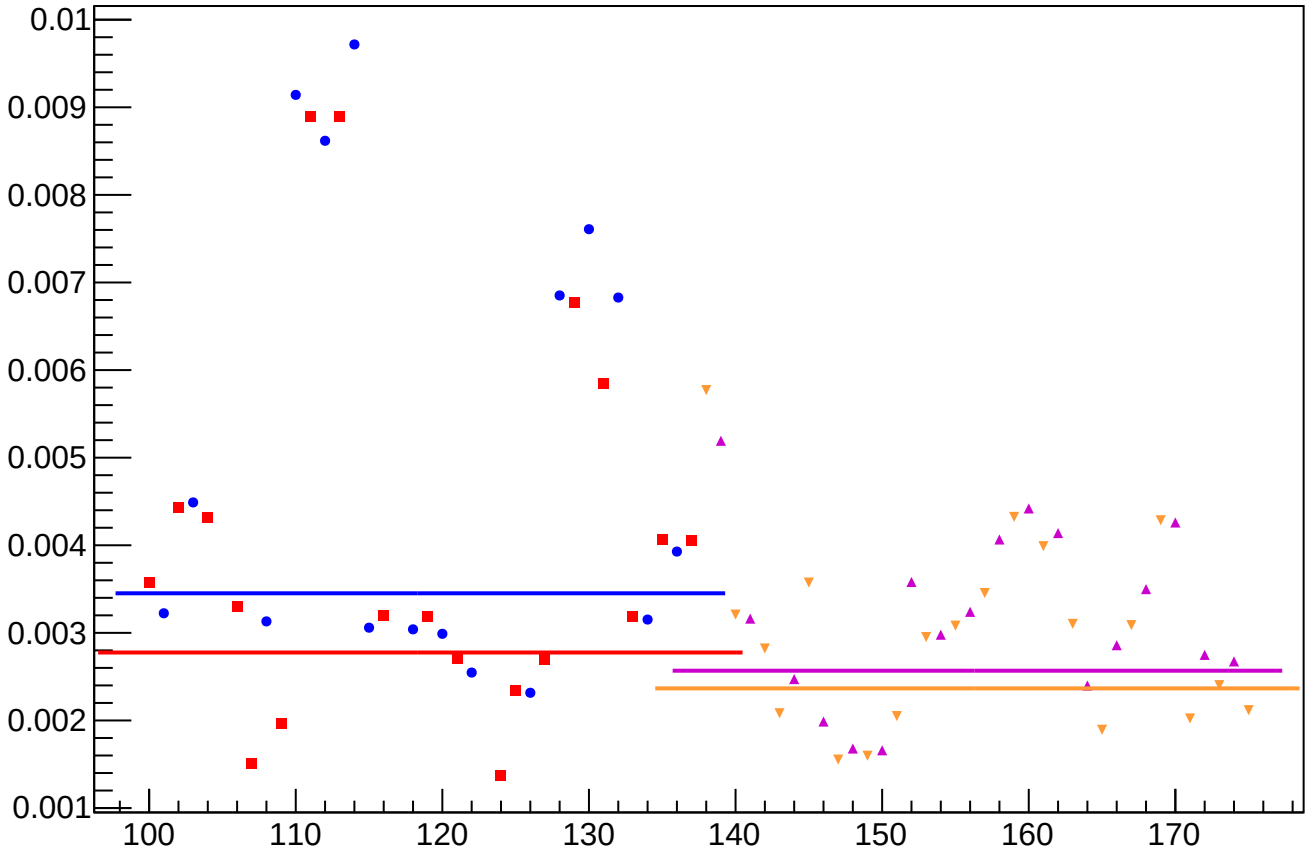
Left: 0.000+/-0.000 χ^2/NDF: 42.1/37

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:29.0/33

Out: 0.000+/-0.000 χ^2/NDF:50.5/38

All: 0.000+/-0.000 χ^2/NDF: 79.5/72



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3348944.8/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3018362.0/17

Left: 0.002+/-0.000 χ^2/NDF: 6456864.7/37

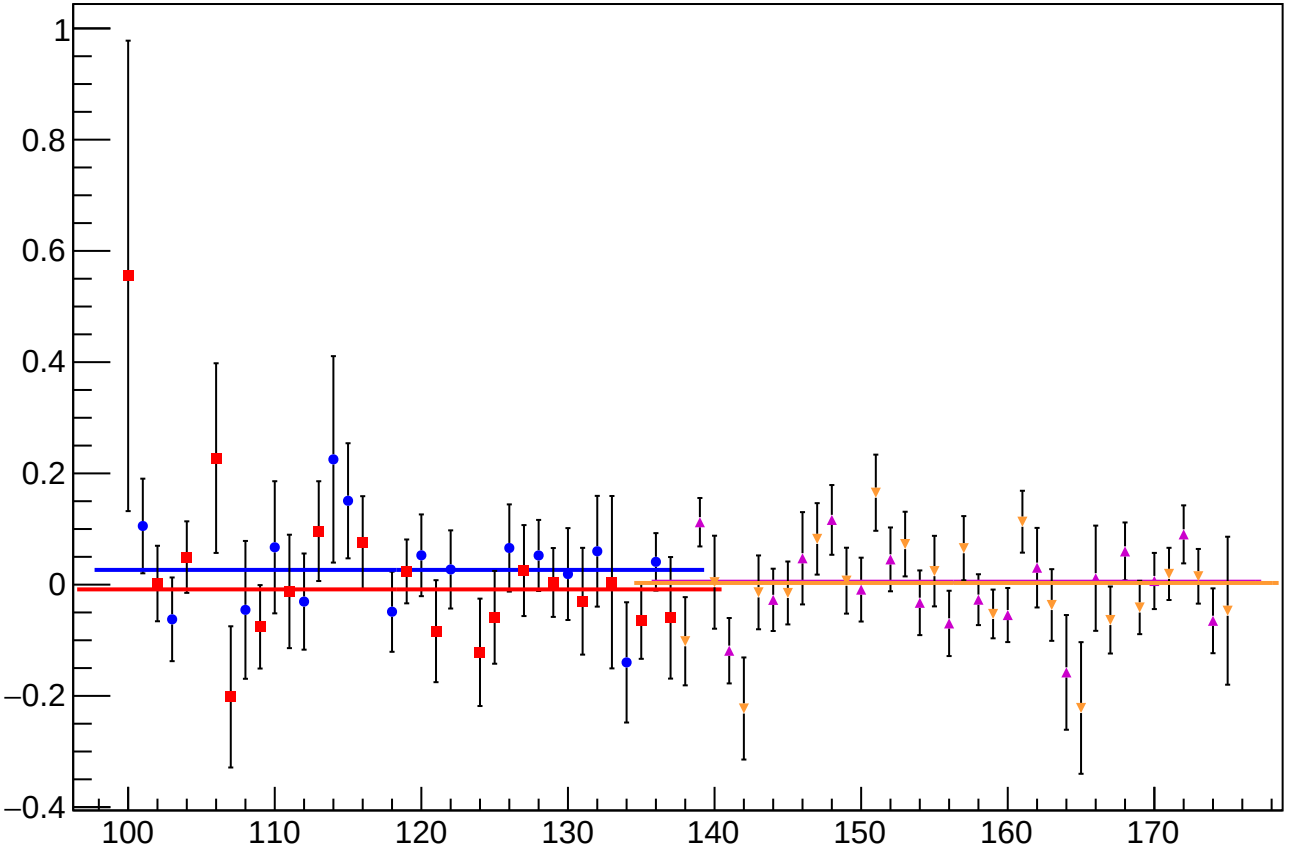
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5612923.4/33

Out: 0.002+/-0.000 χ^2/NDF:6278823.9/38

All: 0.003+/-0.000 χ^2/NDF: 12129945.3/72

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

Left: 0.004+/-0.010 χ^2/NDF: 56.4/37

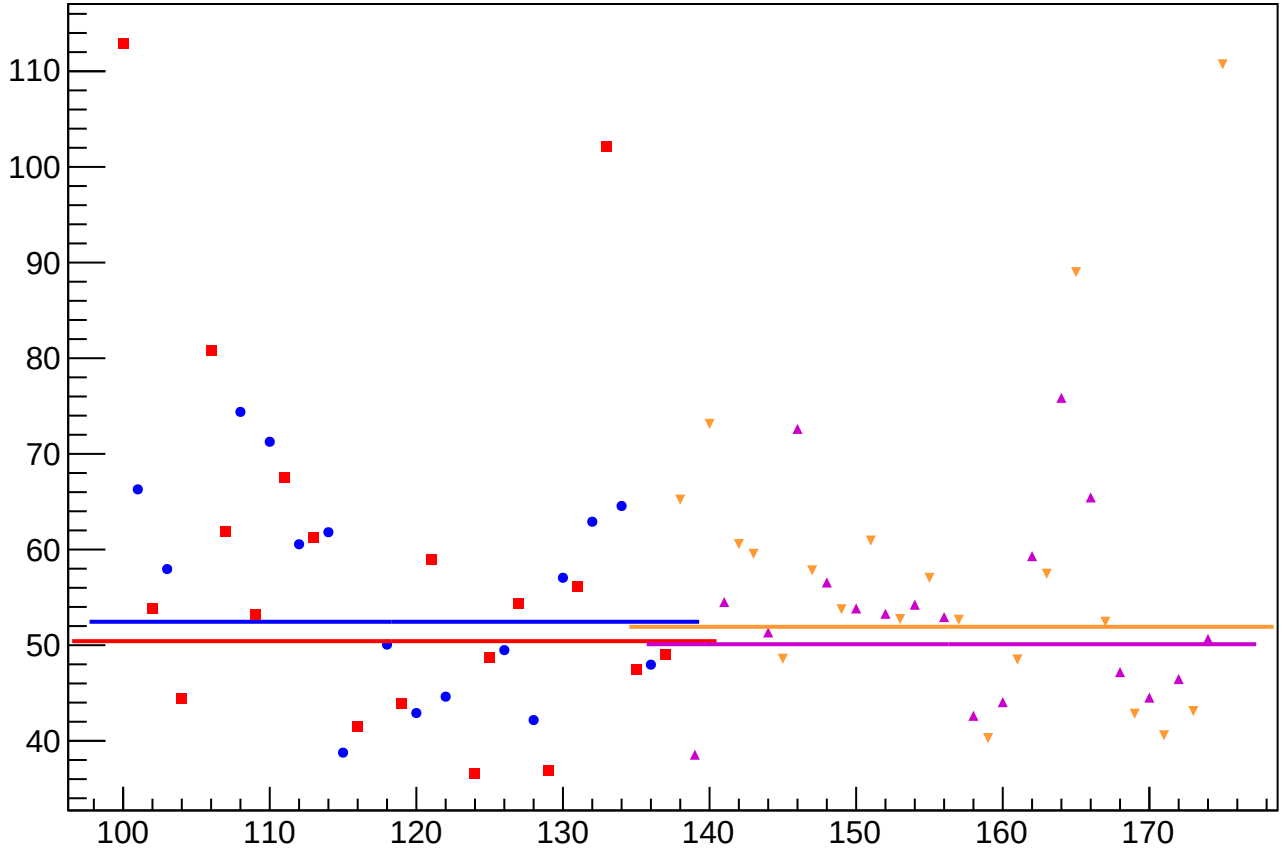
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.005+/-0.008 χ^2/NDF: 81.9/72

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

Left: 51.004+/-0.007 χ^2/NDF: 2011360.3/37

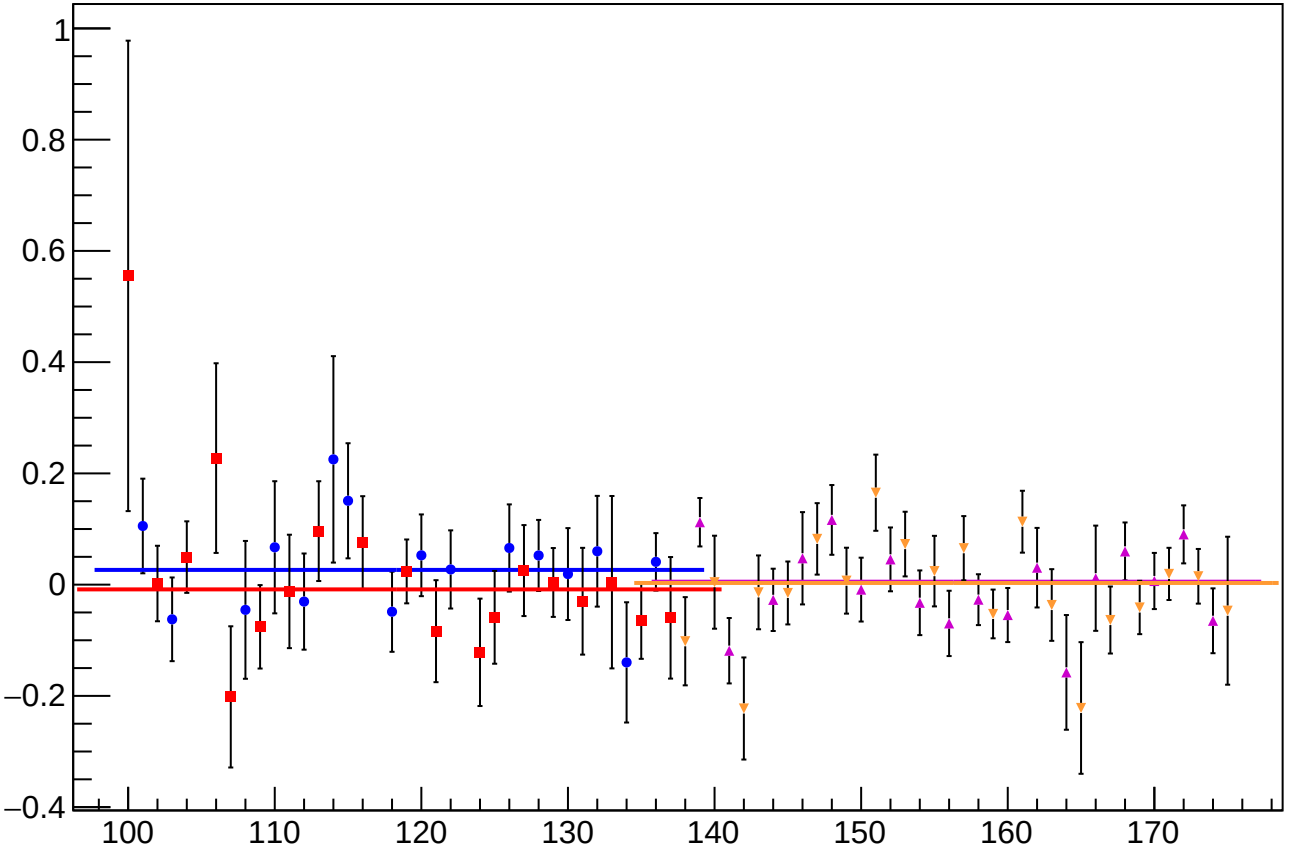
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.821+/-0.008 χ^2/NDF:1122845.0/33

Out: 51.427+/-0.008 χ^2/NDF:1991687.9/38

All: 51.126+/-0.006 χ^2/NDF: 3117440.4/72

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

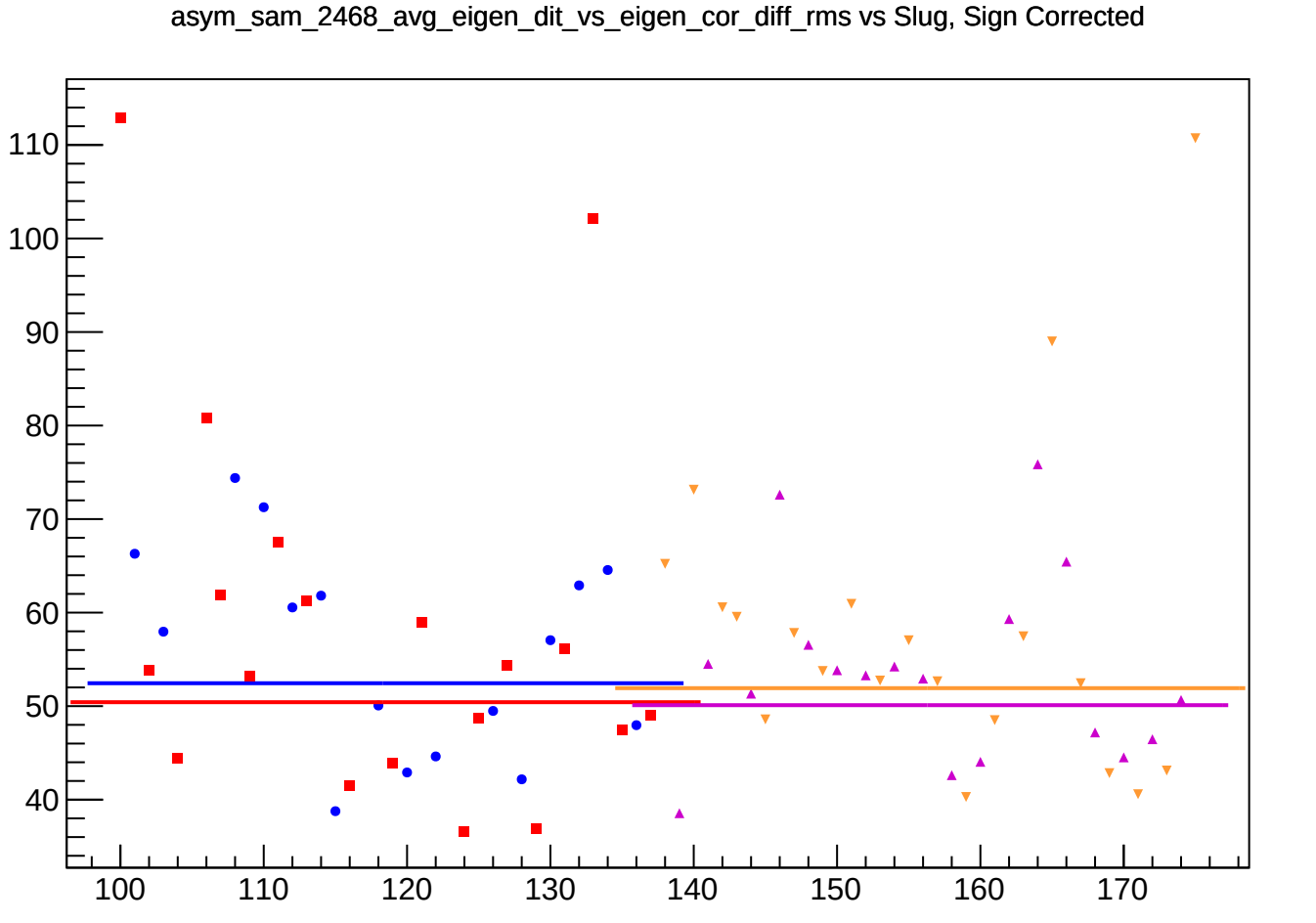
Left: 0.004+/-0.010 χ^2/NDF: 56.4/37

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.005+/-0.008 χ^2/NDF: 81.9/72



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

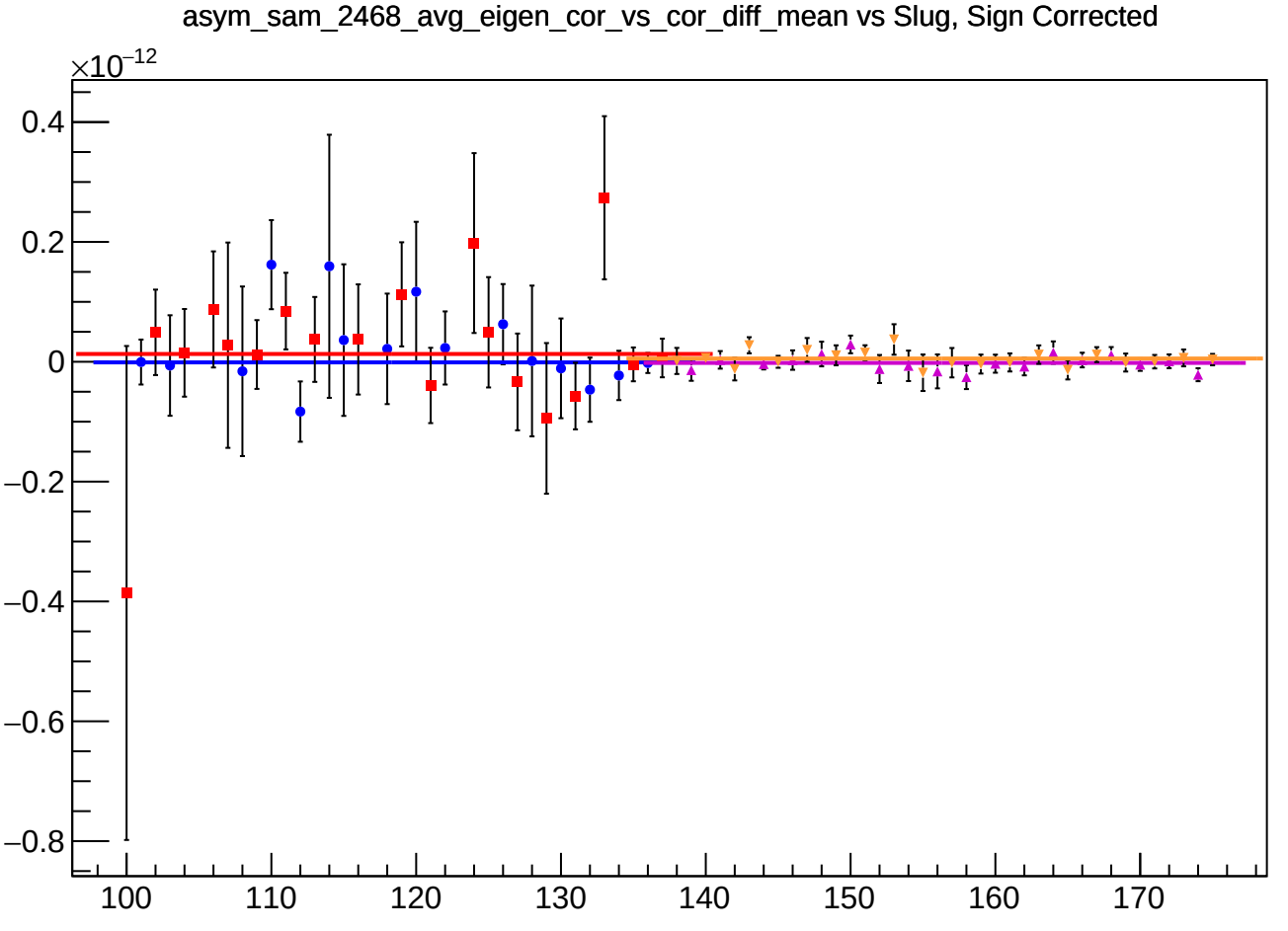
Left: 51.004+/-0.007 χ^2/NDF: 2011360.3/37

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.821+/-0.008 χ^2/NDF:1122845.0/33

Out: 51.427+/-0.008 χ^2/NDF:1991687.9/38

All: 51.126+/-0.006 χ^2/NDF: 3117440.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/17

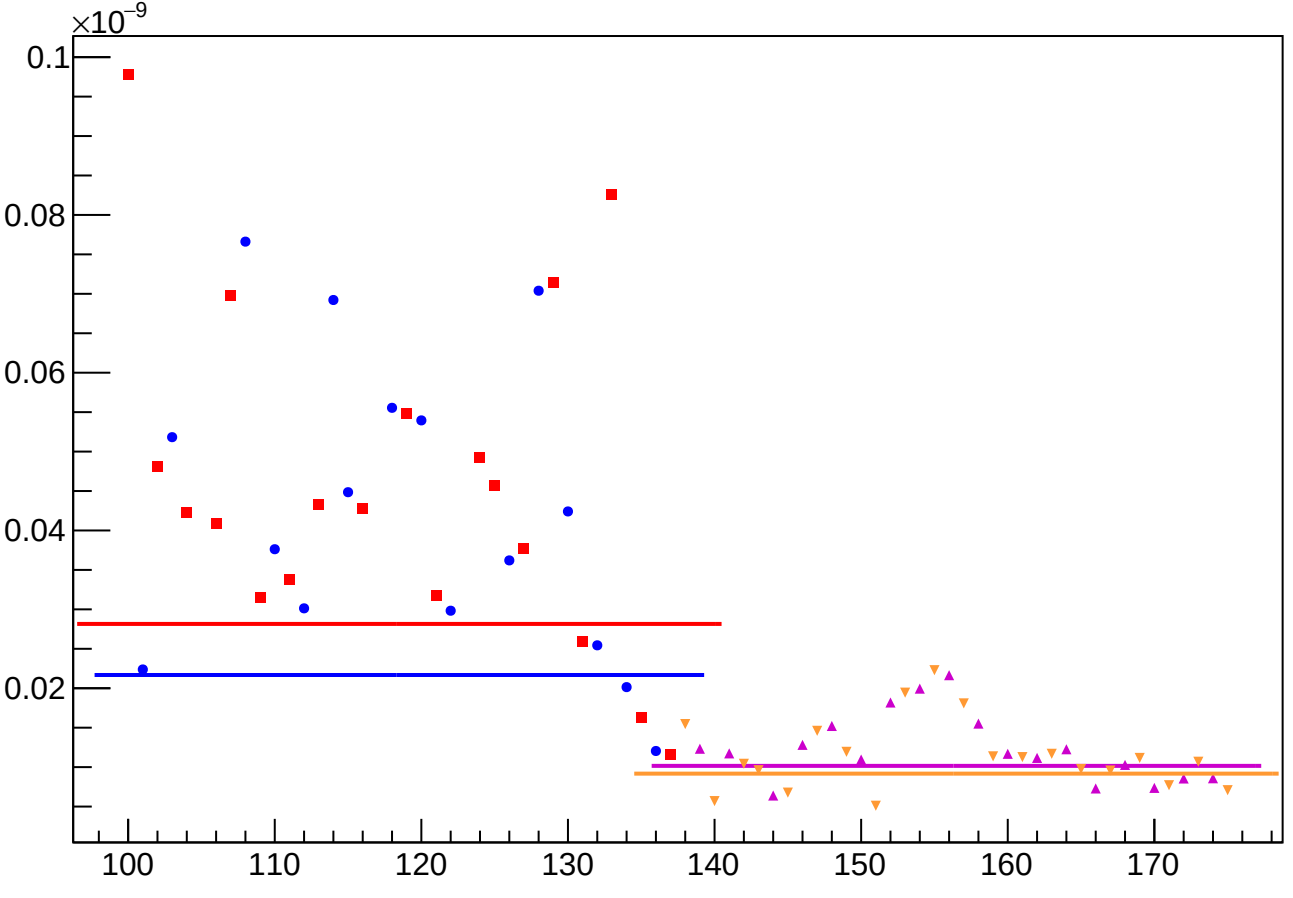
Left: 0.000+/-0.000 χ^2/NDF: 25.8/37

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:24.3/33

Out: 0.000+/-0.000 χ^2/NDF:24.2/38

All: 0.000+/-0.000 χ^2/NDF: 51.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358335.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1970589.6/17

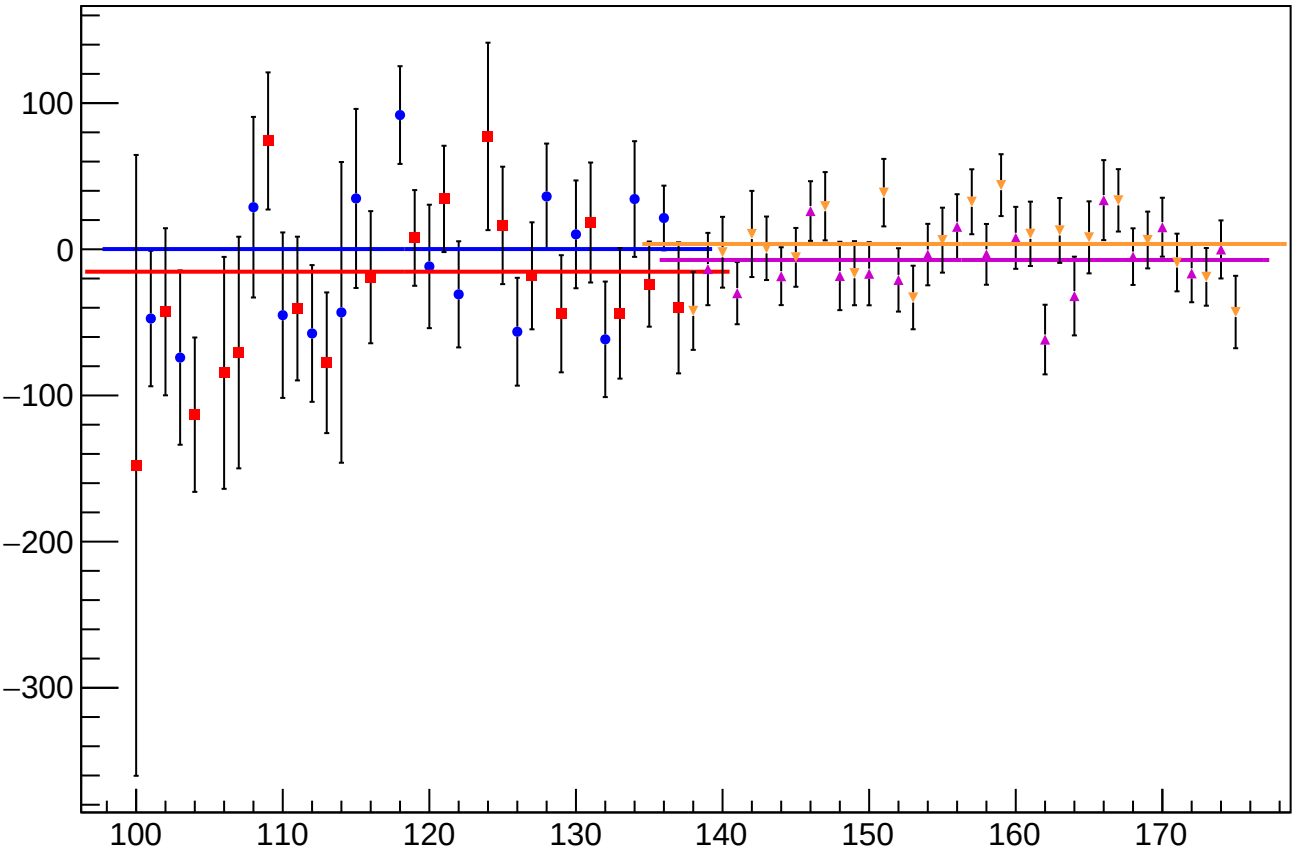
Left: 0.000+/-0.000 χ^2/NDF: 4420720.4/37

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6205187.5/33

Out: 0.000+/-0.000 χ^2/NDF:8015370.0/38

All: 0.000+/-0.000 χ^2/NDF: 14322171.8/72



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.633+/-4.975 χ^2/NDF:23.3/19

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.309+/-5.102 χ^2/NDF:16.5/17

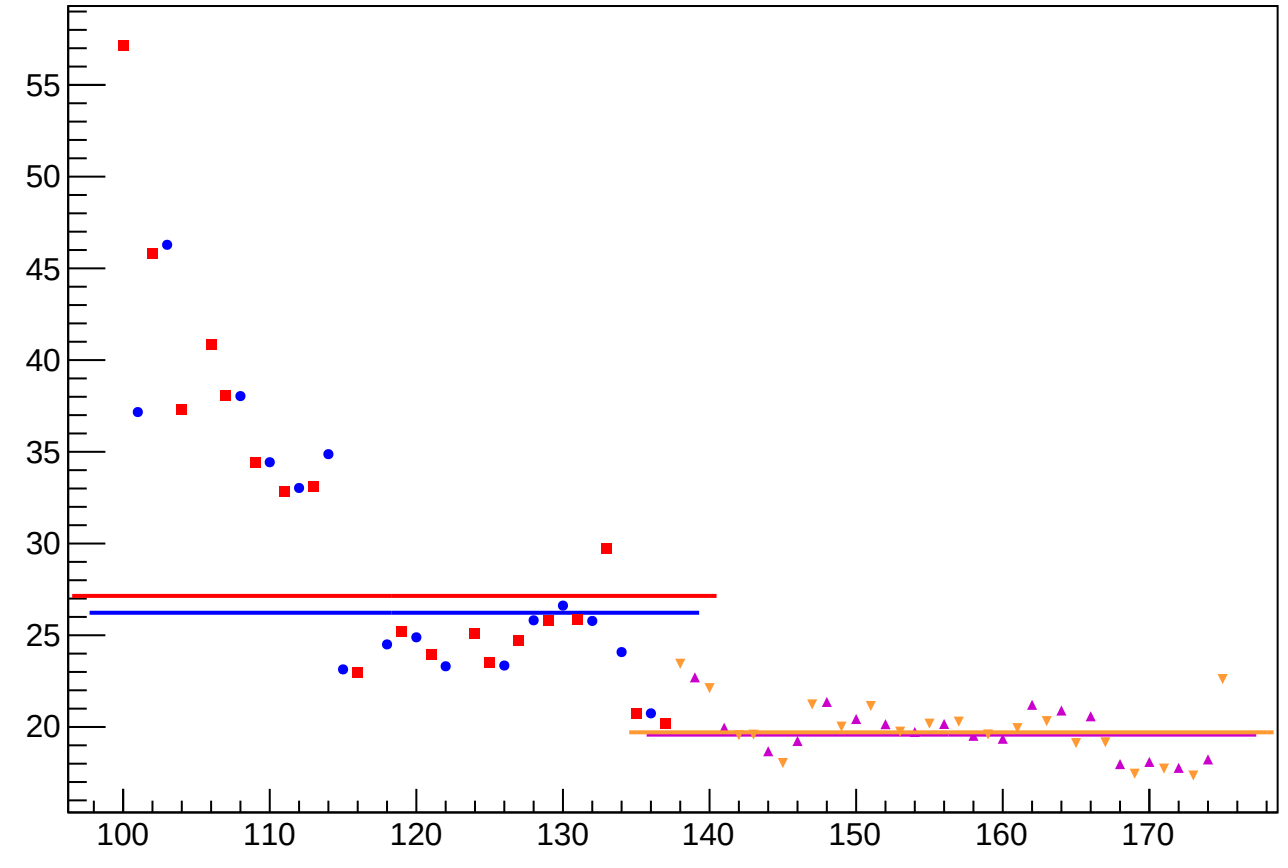
Left: -1.701+/-3.562 χ^2/NDF: 42.2/37

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.780+/-4.549 χ^2/NDF:38.3/33

Out: 0.026+/-4.477 χ^2/NDF:44.0/38

All: -2.831+/-3.191 χ^2/NDF: 83.2/72



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

Left: 19.647+/-0.003 χ^2/NDF: 322287.4/37

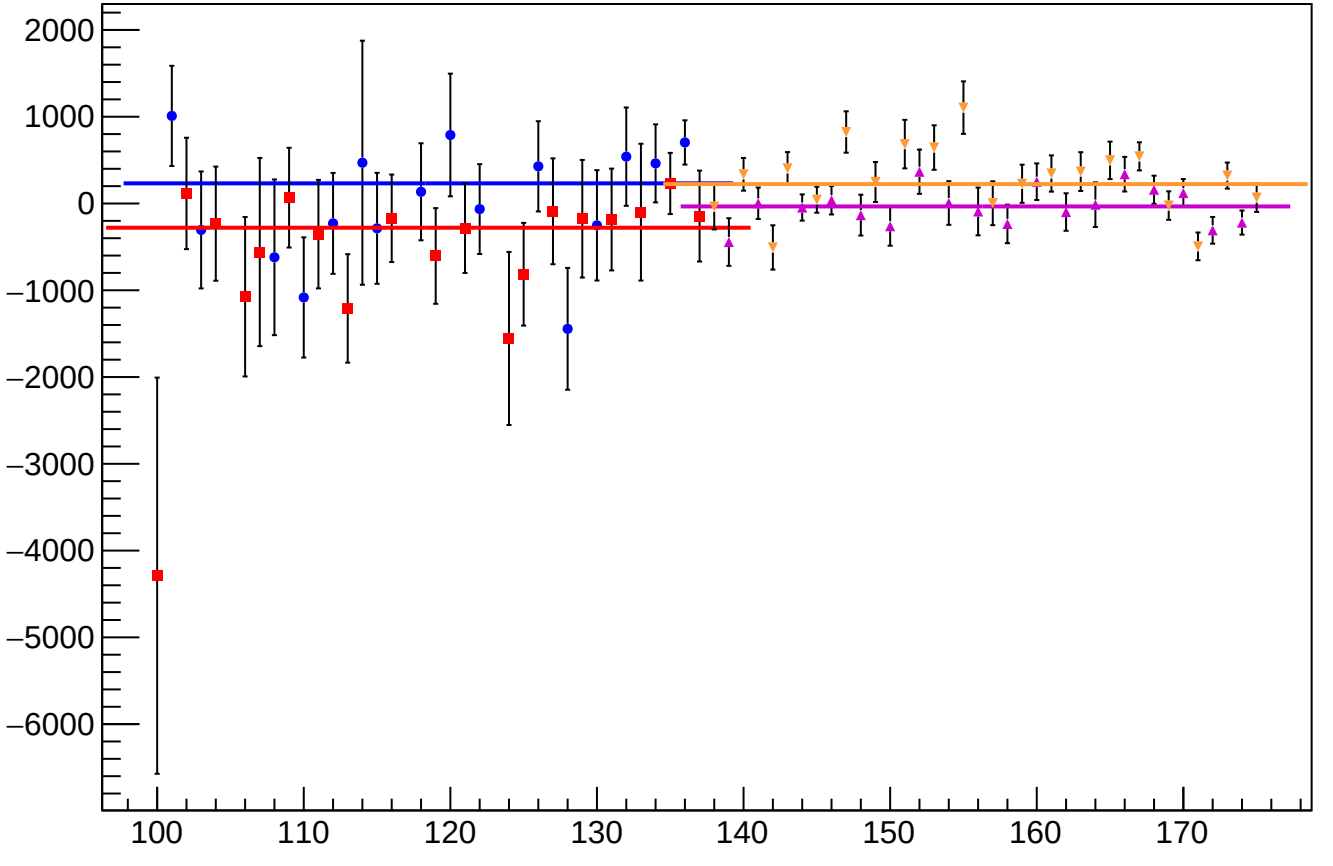
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 20.944+/-0.003 χ^2/NDF:1493885.7/33

Out: 21.123+/-0.003 χ^2/NDF:1804267.3/38

All: 21.035+/-0.002 χ^2/NDF: 3299723.4/72

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.627+/-44.624 χ^2/NDF:62.9/19

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -33.709+/-45.538 χ^2/NDF:19.7/17

Left: 97.568+/-31.872 χ^2/NDF: 98.9/37

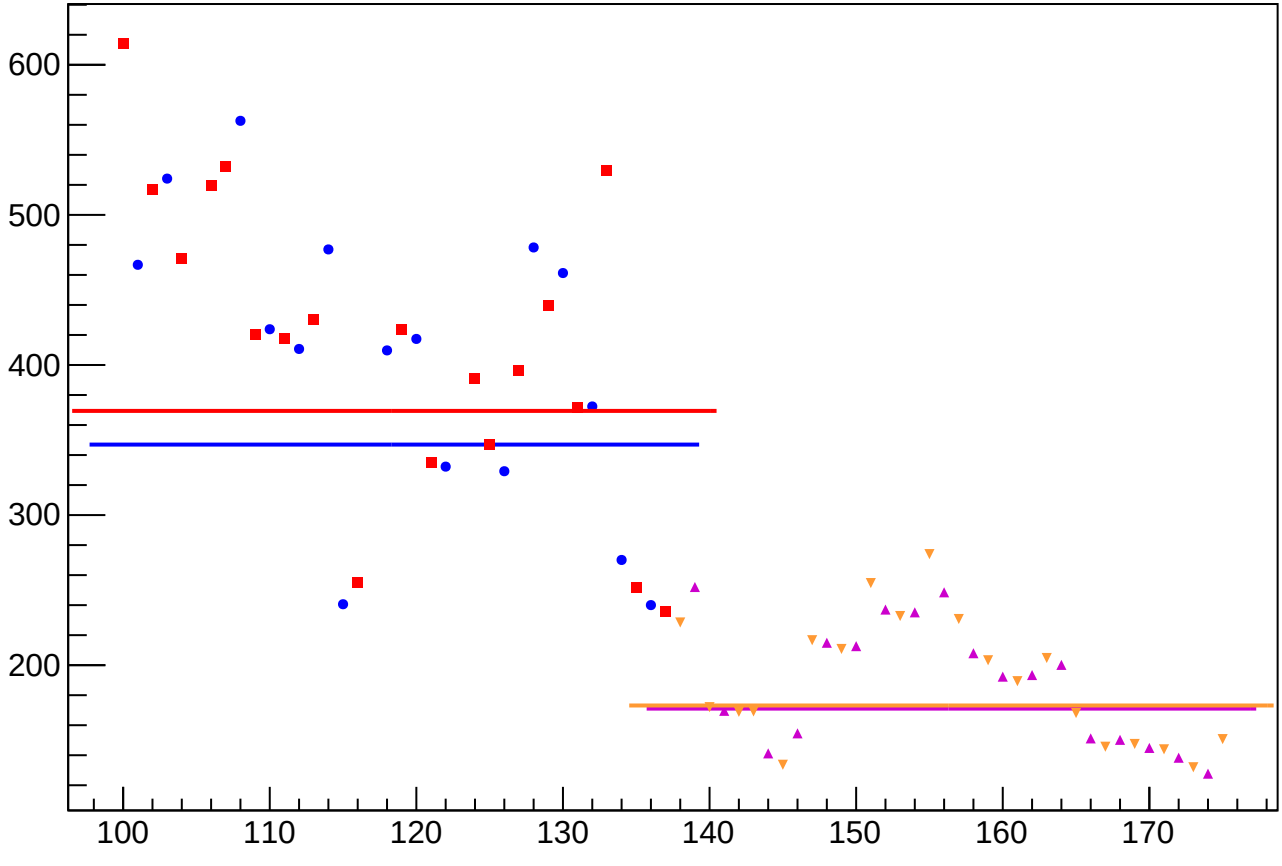
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -6.508+/-43.145 χ^2/NDF:42.9/33

Out: 177.247+/-42.515 χ^2/NDF:86.7/38

All: 86.720+/-30.283 χ^2/NDF: 138.8/72

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404362.1/19

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346717.0/17

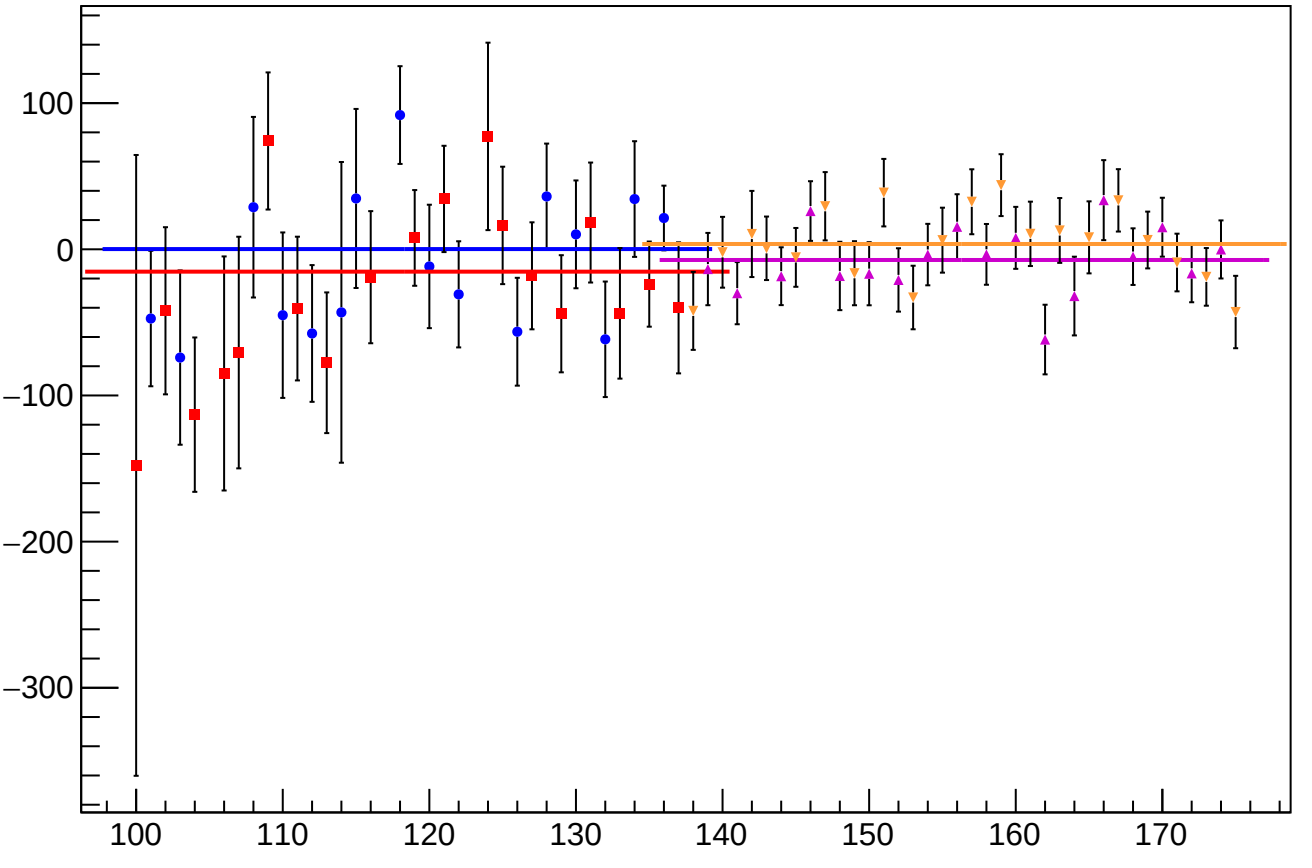
Left: 172.124+/-0.023 χ^2/NDF: 2753198.7/37

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 189.067+/-0.031 χ^2/NDF:5458665.5/33

Out: 191.250+/-0.030 χ^2/NDF:5893083.7/38

All: 190.175+/-0.021 χ^2/NDF: 11354349.1/72



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.310+/-5.102 χ^2/NDF:16.5/17

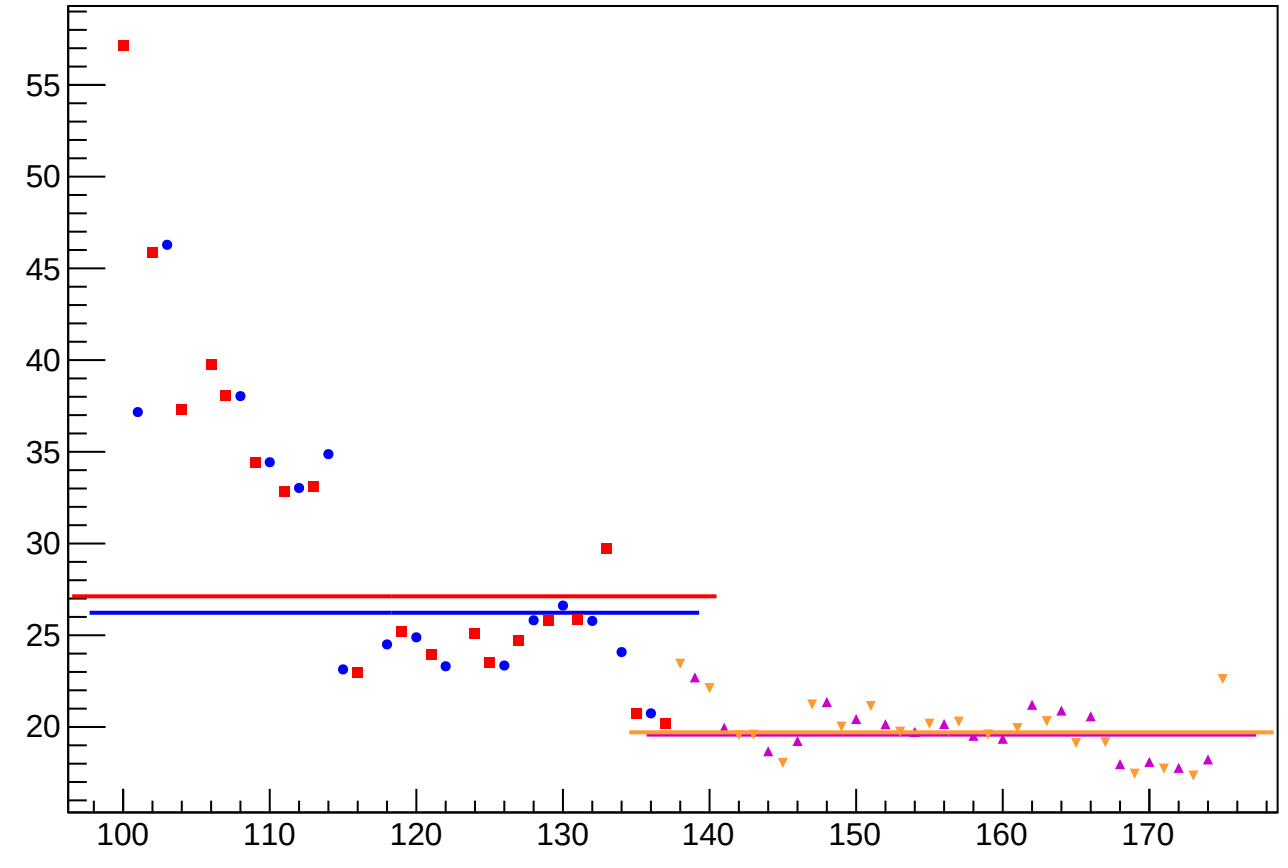
Left: -1.701+/-3.562 χ^2/NDF: 42.2/37

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.779+/-4.549 χ^2/NDF:38.3/33

Out: 0.034+/-4.477 χ^2/NDF:44.0/38

All: -2.826+/-3.191 χ^2/NDF: 83.1/72



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

Left: 19.647+/-0.003 χ^2/NDF: 322287.4/37

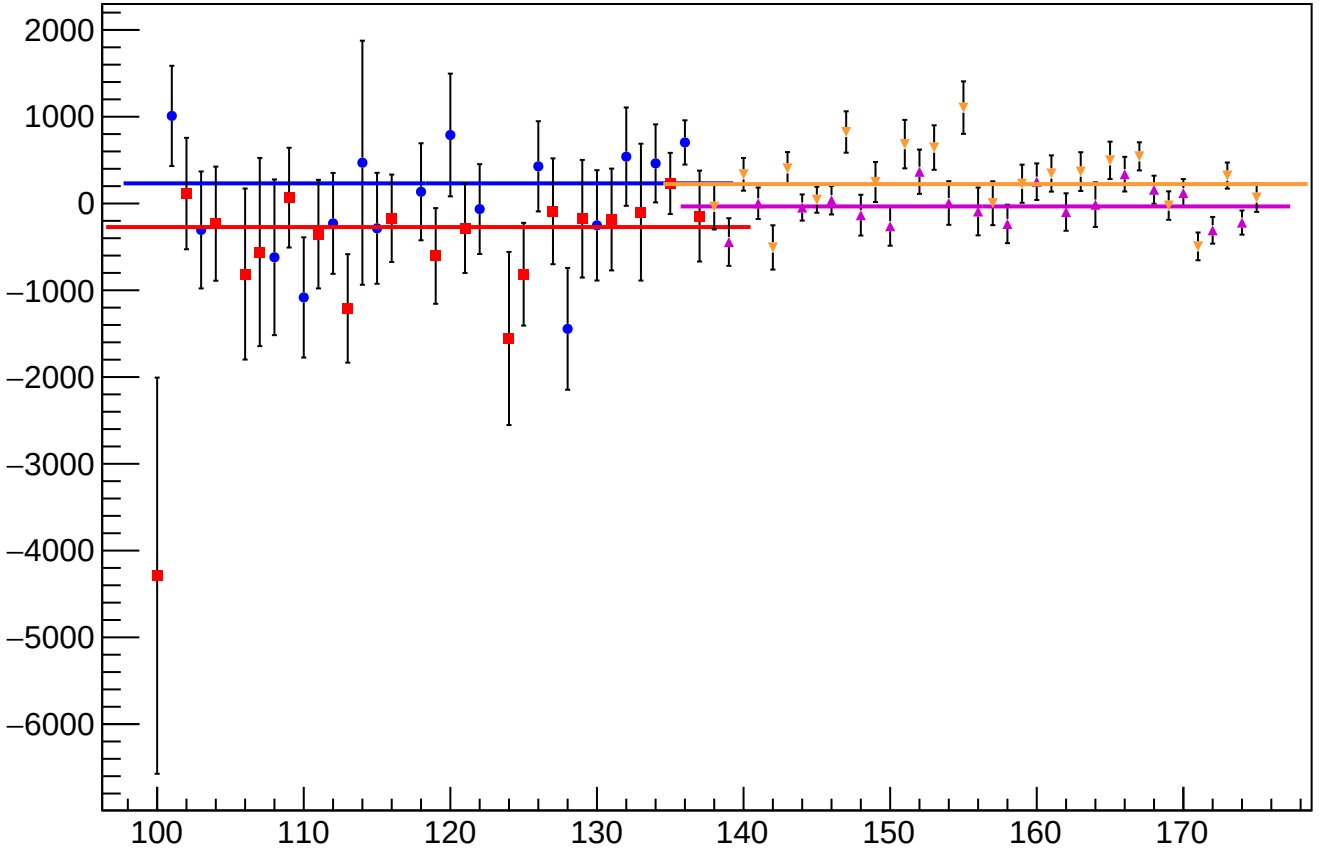
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.944+/-0.003 χ^2/NDF:1493889.0/33

Out: 21.119+/-0.003 χ^2/NDF:1789295.2/38

All: 21.033+/-0.002 χ^2/NDF: 3284675.7/72

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -33.709+/-45.538 χ^2/NDF:19.7/17

Left: 97.567+/-31.872 χ^2/NDF: 98.9/37

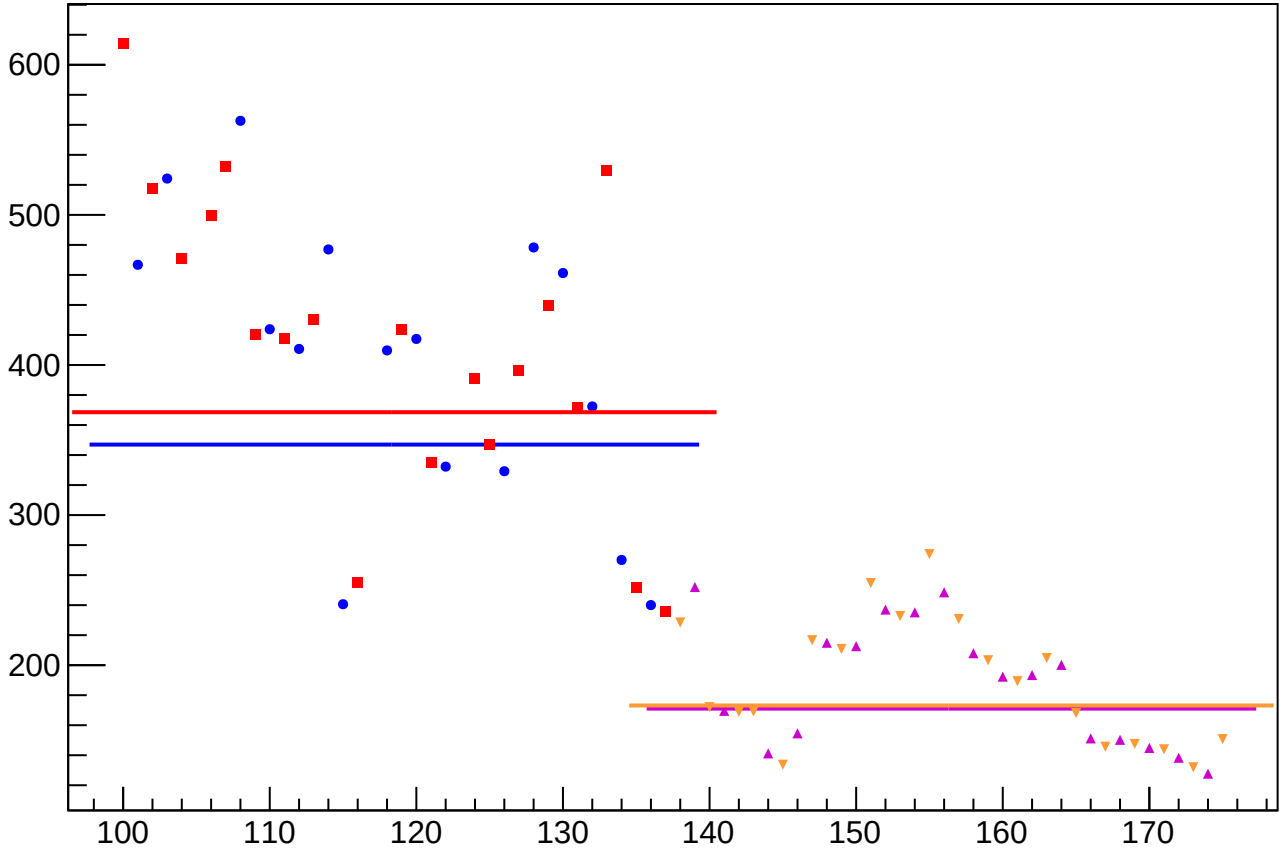
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -6.509+/-43.145 χ^2/NDF:42.9/33

Out: 178.079+/-42.521 χ^2/NDF:85.8/38

All: 87.128+/-30.285 χ^2/NDF: 138.0/72

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

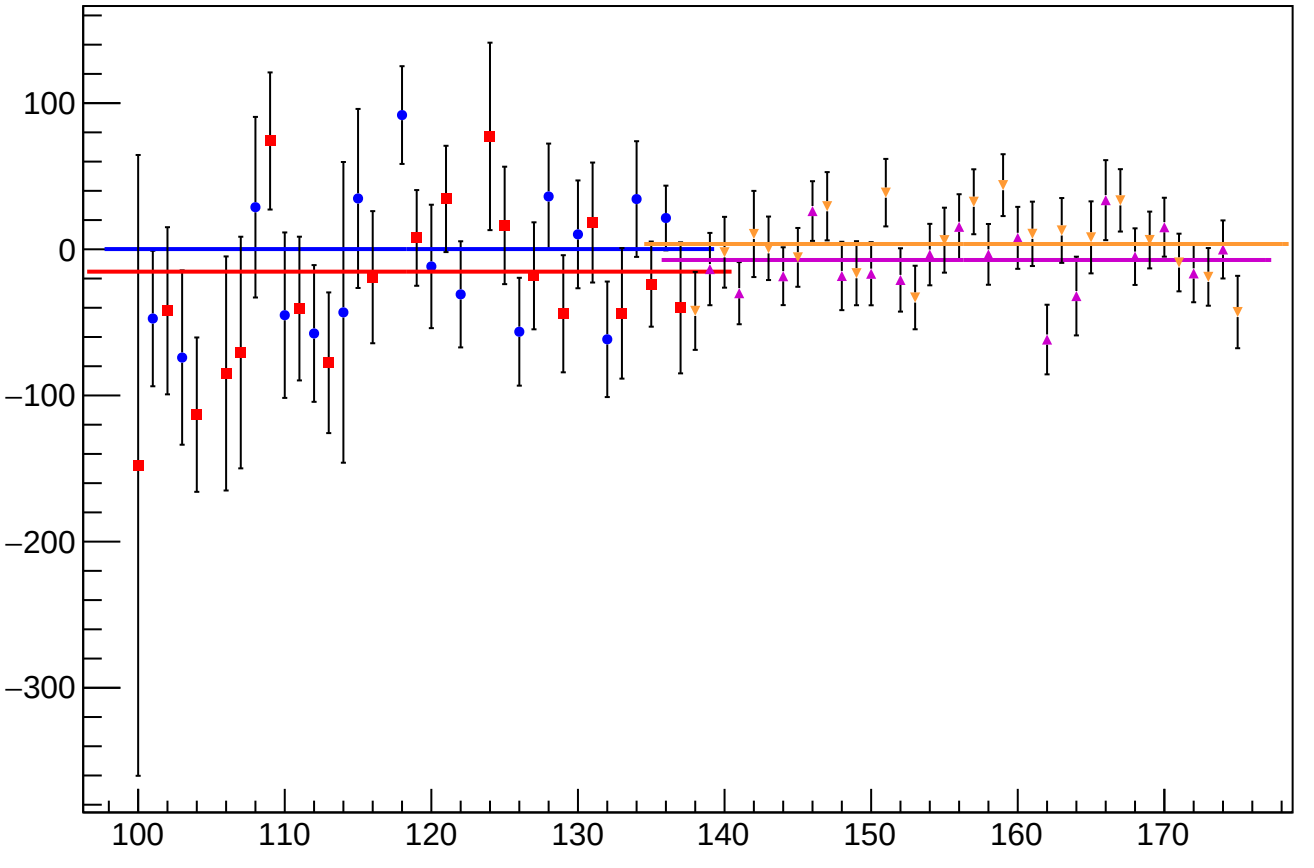
Left: 172.124+/-0.023 χ^2/NDF: 2753197.5/37

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 189.067+/-0.031 χ^2/NDF:5458682.5/33

Out: 191.120+/-0.030 χ^2/NDF:5833023.1/38

All: 190.108+/-0.021 χ^2/NDF: 11294002.9/72



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.310+/-5.102 χ^2/NDF:16.5/17

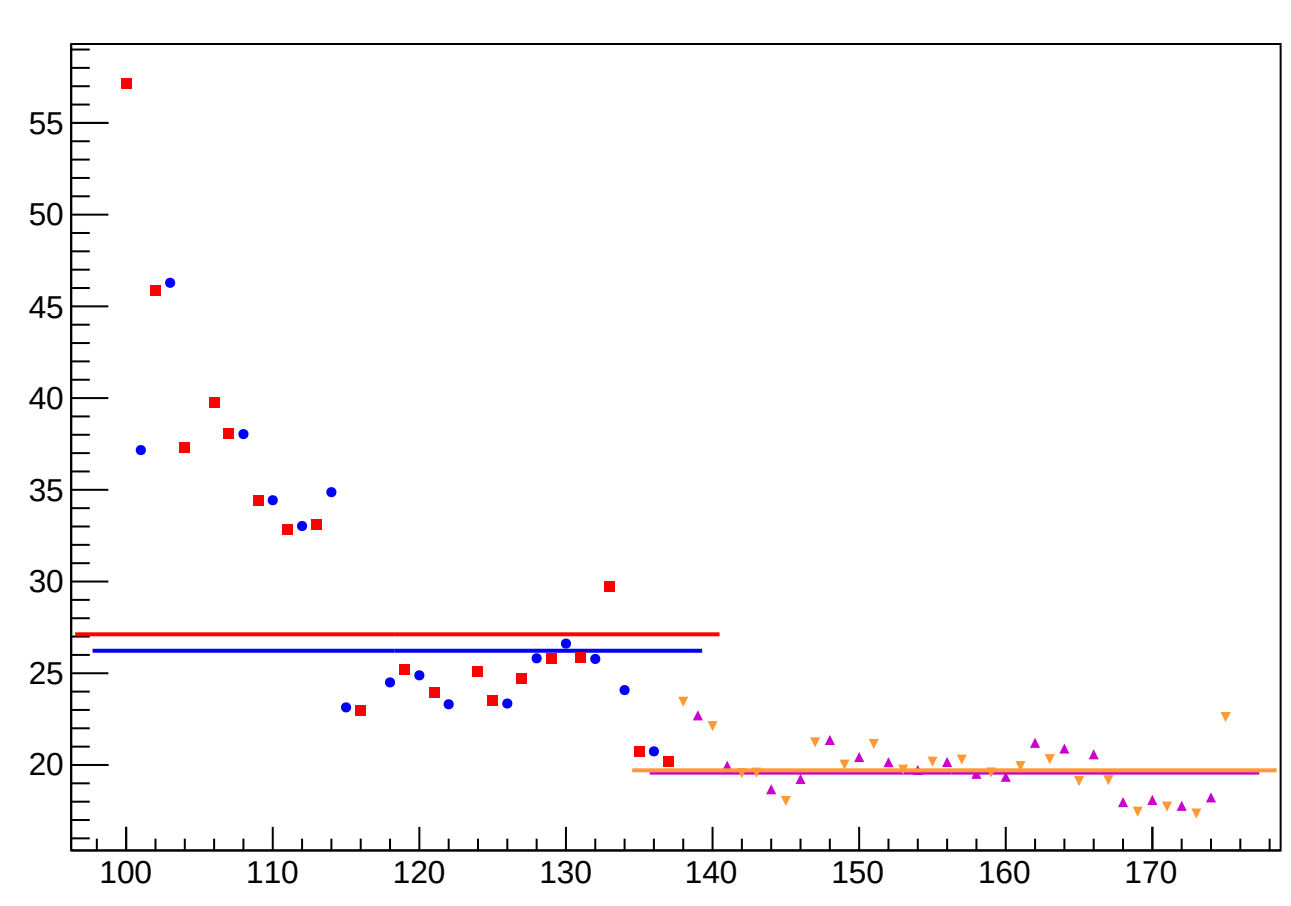
Left: -1.701+/-3.562 χ^2/NDF: 42.2/37

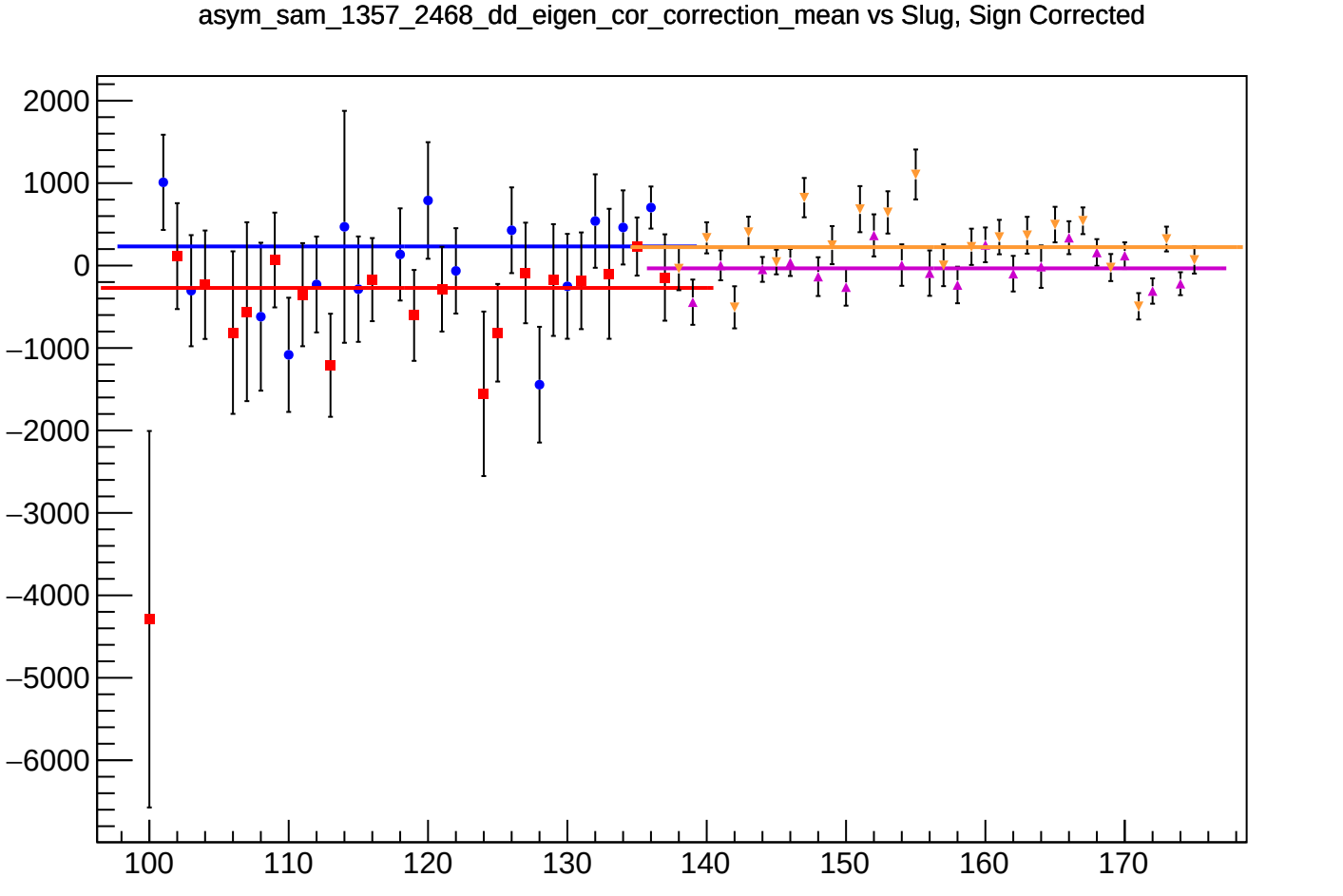
Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.779+/-4.549 χ^2/NDF:38.3/33

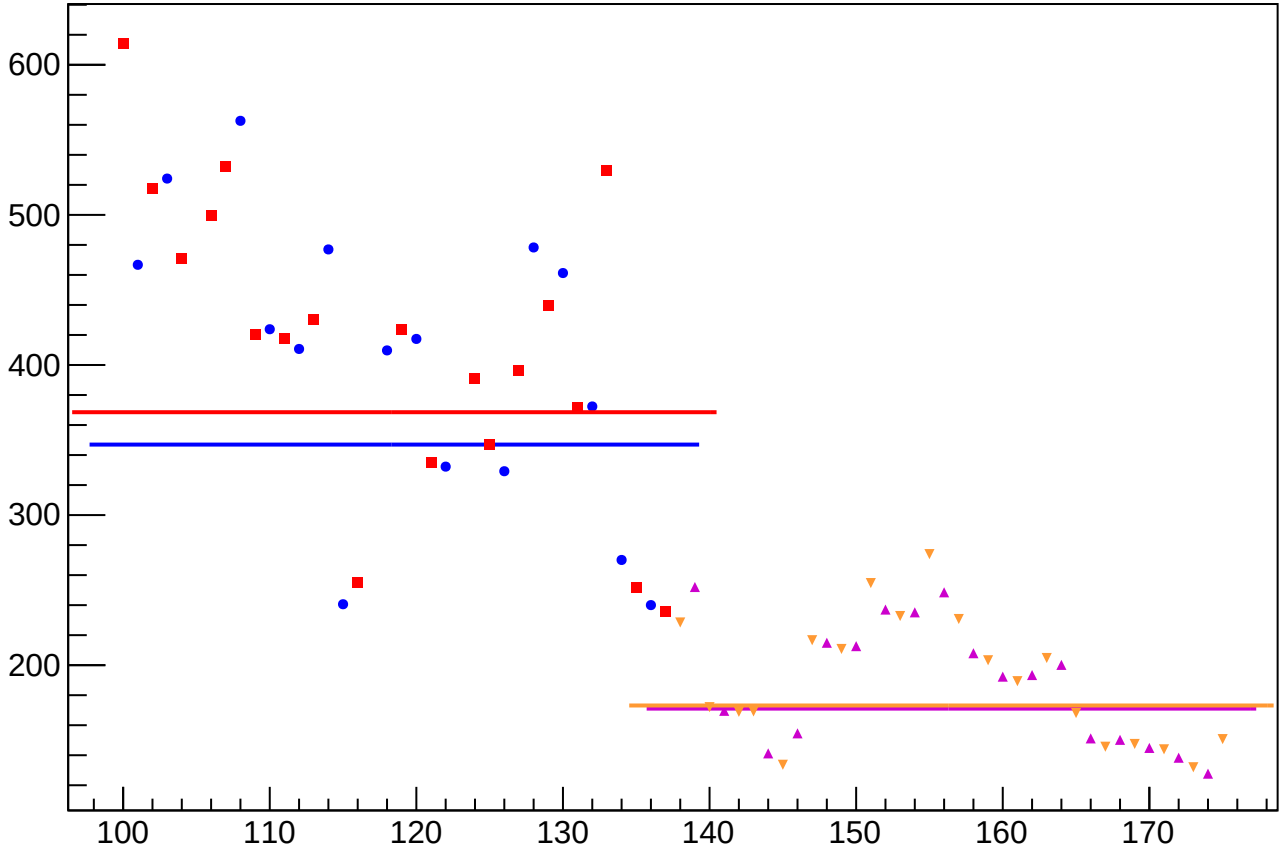
Out: 0.034+/-4.477 χ^2/NDF:44.0/38

All: -2.826+/-3.191 χ^2/NDF: 83.1/72


eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 26.227+/-0.007 χ²/NDF: 676029.5/15
Left Out: 19.709+/-0.004 χ²/NDF:199156.9/19
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 19.582+/-0.004 χ²/NDF:122500.1/17
Left: 19.647+/-0.003 χ²/NDF: 322287.4/37
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 20.944+/-0.003 χ²/NDF:1493889.0/33
Out: 21.119+/-0.003 χ²/NDF:1789295.2/38
All: 21.033+/-0.002 χ²/NDF: 3284675.7/72


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 223.626+/-44.624 χ²/NDF:62.9/19
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -33.709+/-45.538 χ²/NDF:19.7/17
Left: 97.567+/-31.872 χ²/NDF: 98.9/37
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: -6.509+/-43.145 χ²/NDF:42.9/33
Out: 178.079+/-42.521 χ²/NDF:85.8/38
All: 87.128+/-30.285 χ²/NDF: 138.0/72

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

Left: 172.124+/-0.023 χ^2/NDF: 2753197.5/37

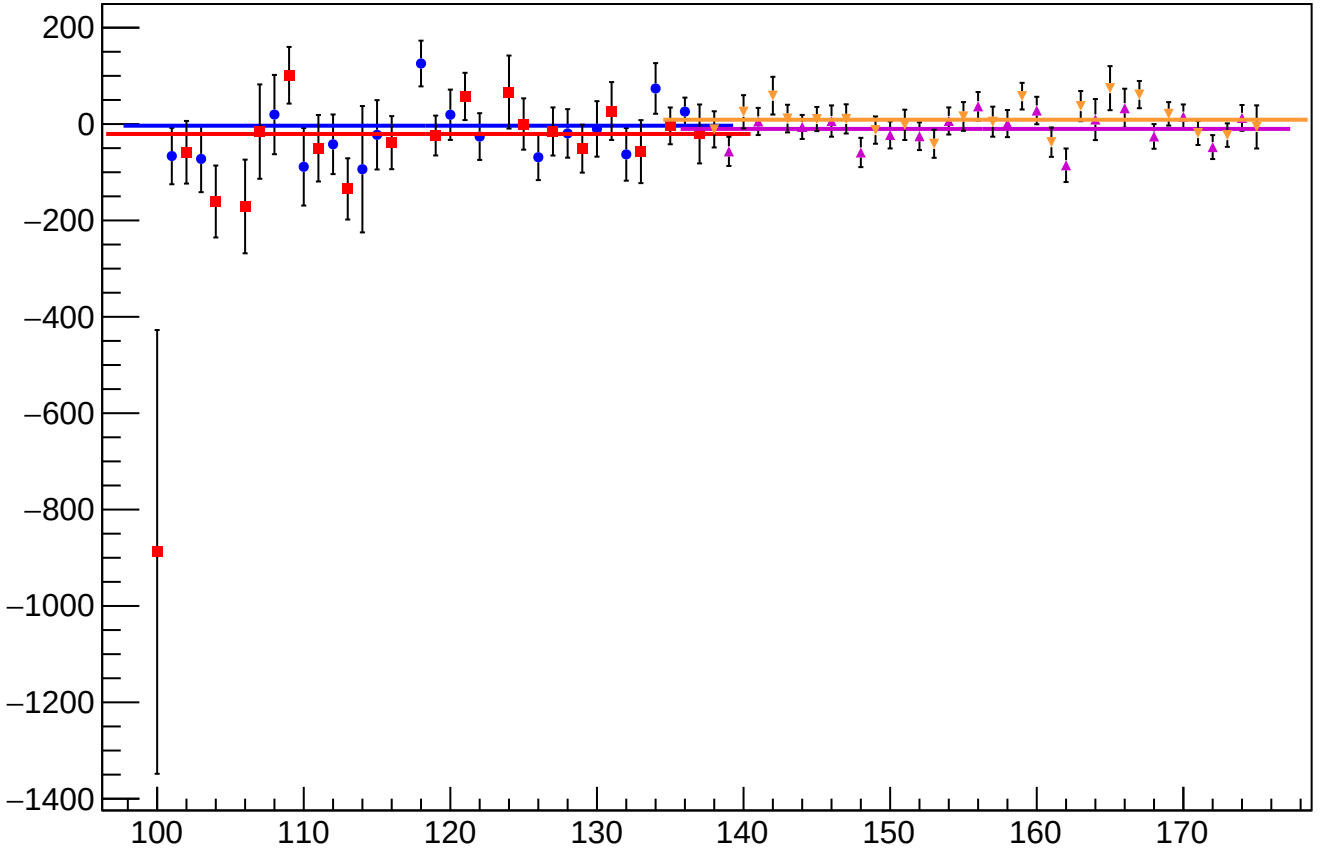
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 189.067+/-0.031 χ^2/NDF:5458682.5/33

Out: 191.120+/-0.030 χ^2/NDF:5833023.1/38

All: 190.108+/-0.021 χ^2/NDF: 11294002.9/72

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.077+/-6.829 χ^2/NDF:21.2/17

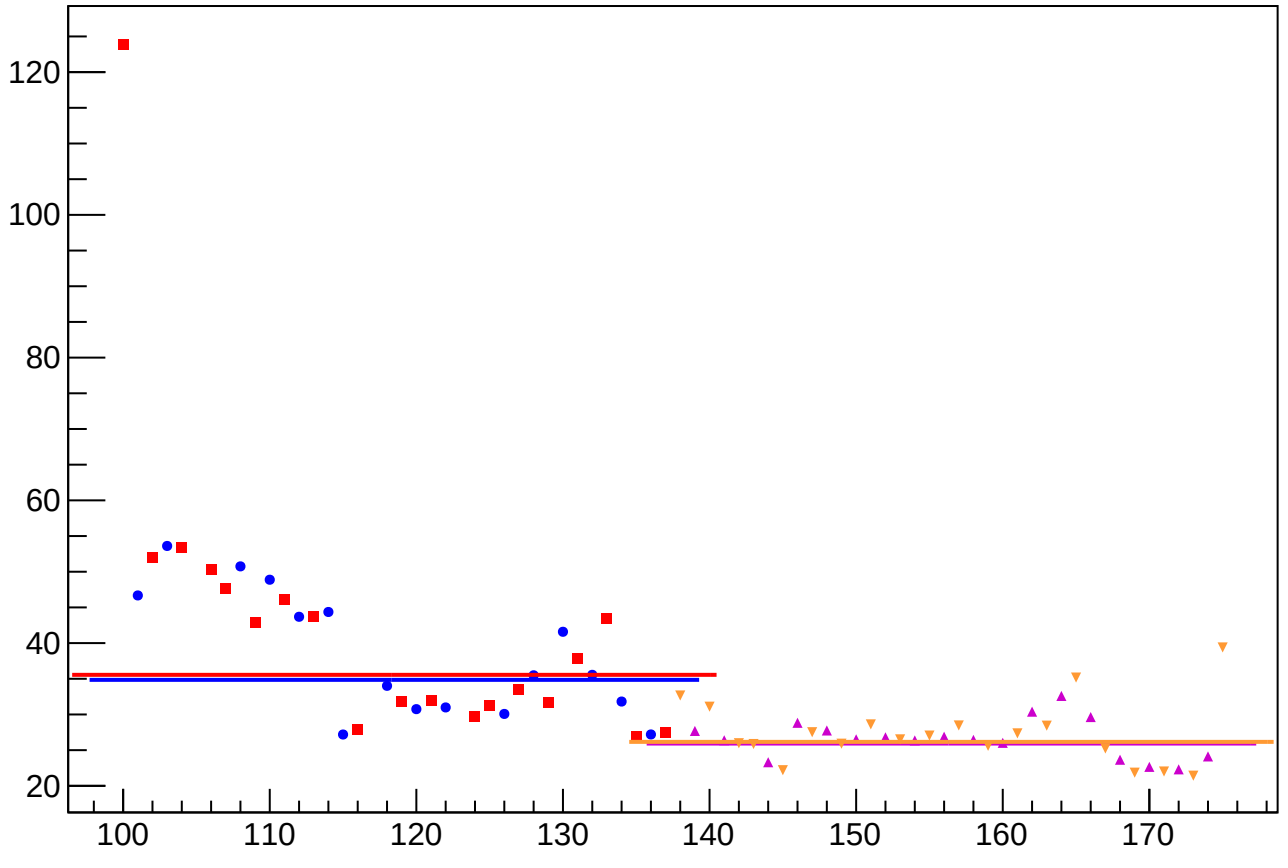
Left: -0.346+/-4.780 χ^2/NDF: 46.1/37

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.704+/-6.083 χ^2/NDF:39.9/33

Out: 3.151+/-5.995 χ^2/NDF:47.9/38

All: -2.690+/-4.270 χ^2/NDF: 89.7/72



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644194.4/19

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 25.925+/-0.005 χ^2/NDF:257738.9/17

Left: 26.046+/-0.003 χ^2/NDF: 903155.3/37

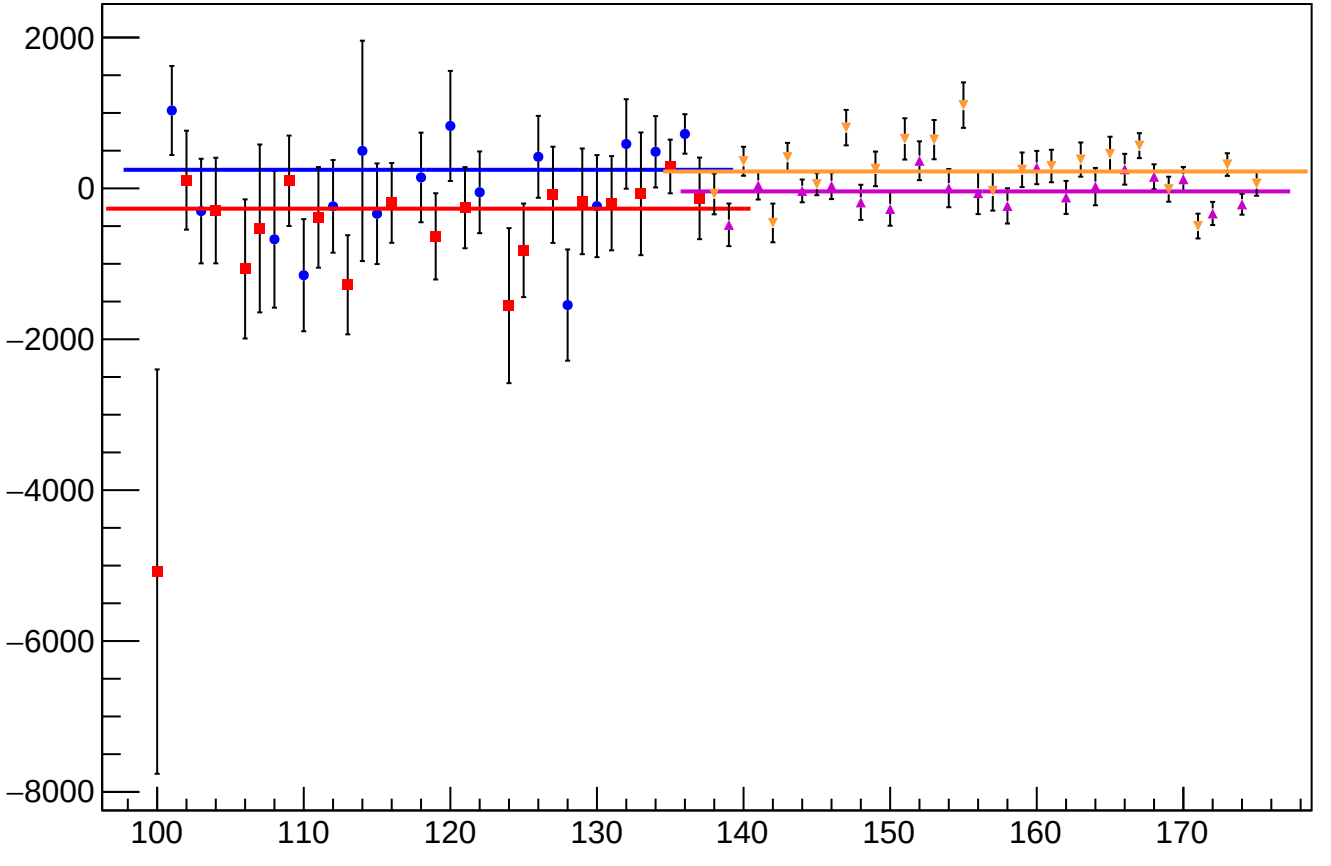
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.767+/-0.004 χ^2/NDF:1620876.3/33

Out: 28.020+/-0.004 χ^2/NDF:2203298.4/38

All: 27.895+/-0.003 χ^2/NDF: 3825937.5/72

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 224.421+/-45.037 χ^2/NDF:60.5/19

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -40.135+/-46.183 χ^2/NDF:19.4/17

Left: 95.465+/-32.244 χ^2/NDF: 96.7/37

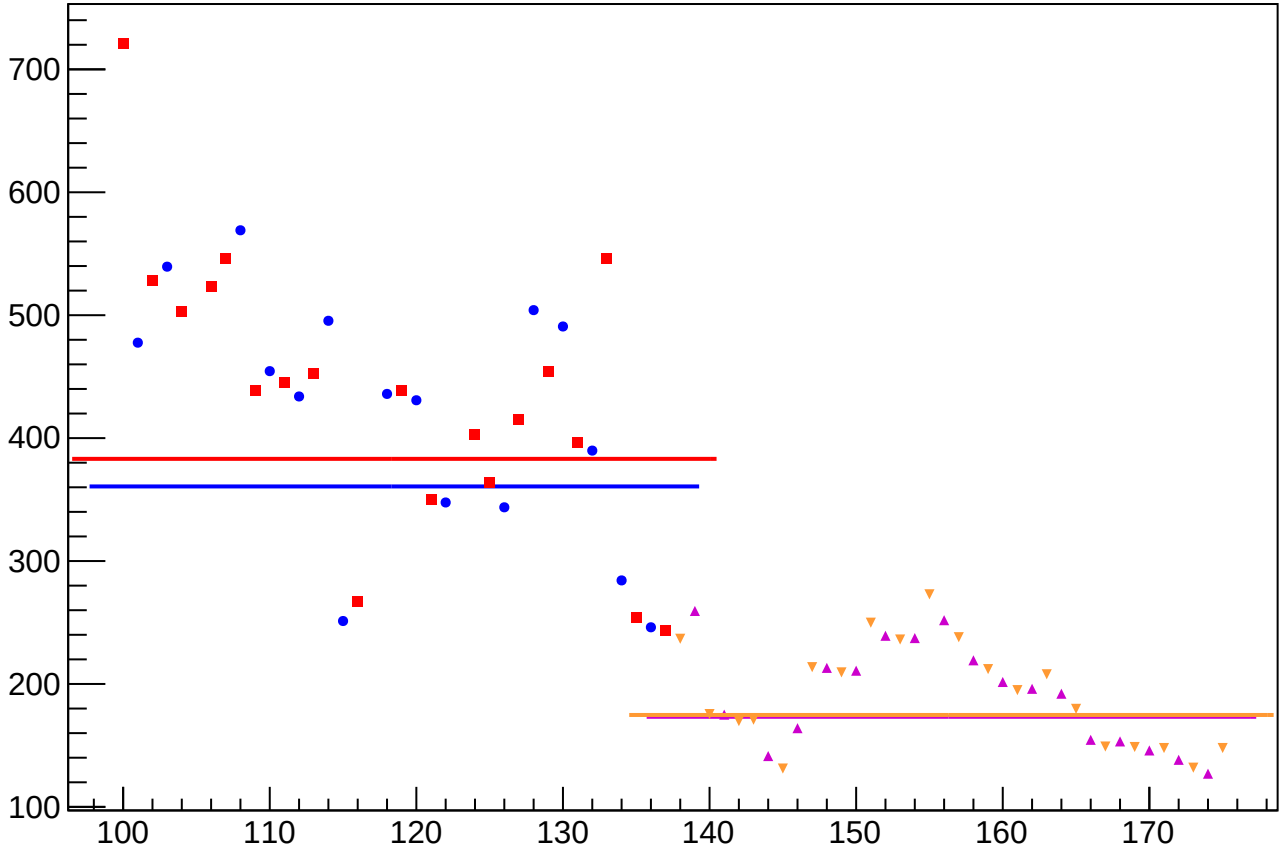
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -12.103+/-43.867 χ^2/NDF:42.9/33

Out: 181.175+/-43.018 χ^2/NDF:83.7/38

All: 86.424+/-30.714 χ^2/NDF: 136.4/72

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 174.776+/-0.032 χ^2/NDF:1459840.7/19

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 173.287+/-0.033 χ^2/NDF:1388803.5/17

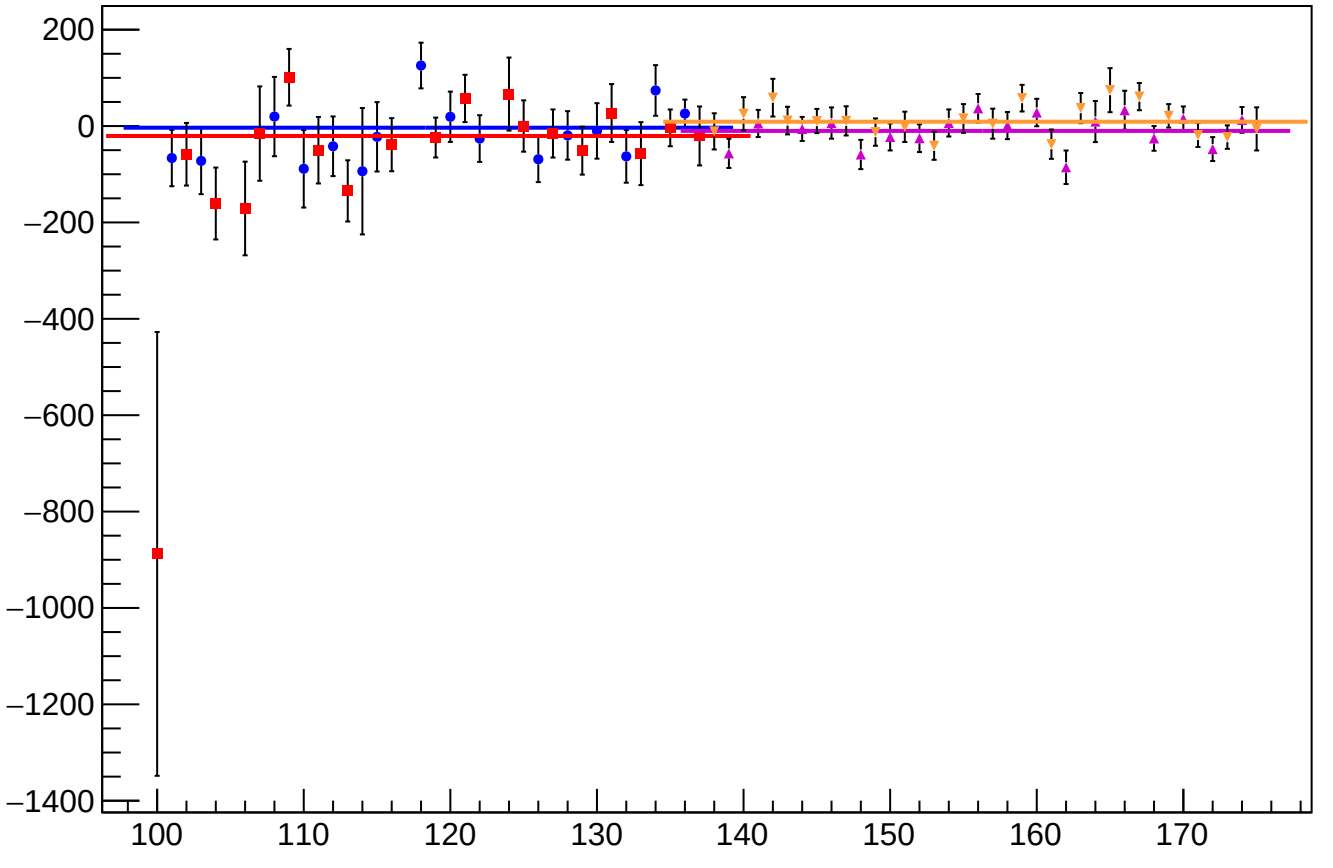
Left: 174.050+/-0.023 χ^2/NDF: 2849708.8/37

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 191.614+/-0.031 χ^2/NDF:5702180.8/33

Out: 193.040+/-0.030 χ^2/NDF:6175250.4/38

All: 192.341+/-0.022 χ^2/NDF: 11878508.1/72



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.077+/-6.829 χ^2/NDF:21.2/17

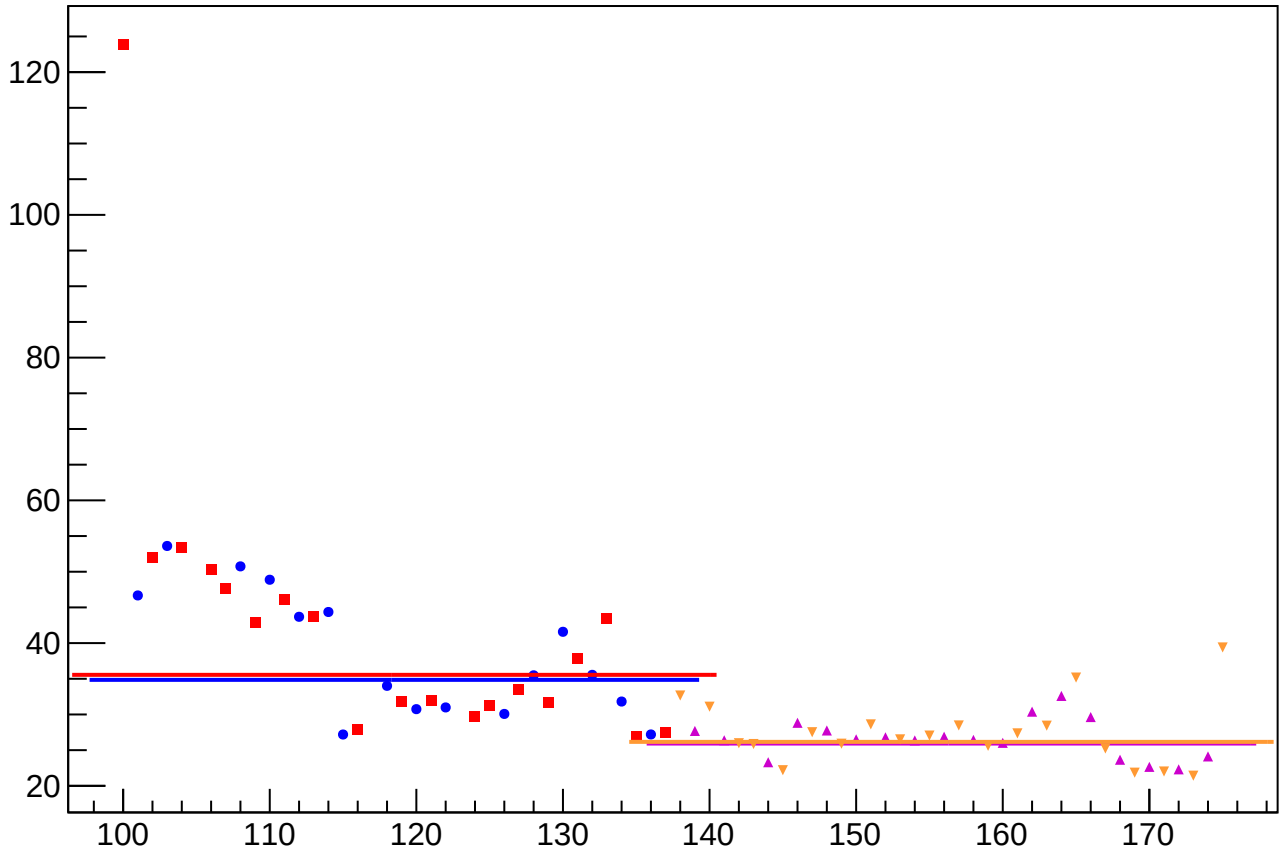
Left: -0.346+/-4.780 χ^2/NDF: 46.1/37

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.704+/-6.083 χ^2/NDF:39.9/33

Out: 3.151+/-5.995 χ^2/NDF:47.9/38

All: -2.690+/-4.270 χ^2/NDF: 89.7/72



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644188.1/19

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 25.925+/-0.005 χ^2/NDF:257737.2/17

Left: 26.046+/-0.003 χ^2/NDF: 903147.4/37

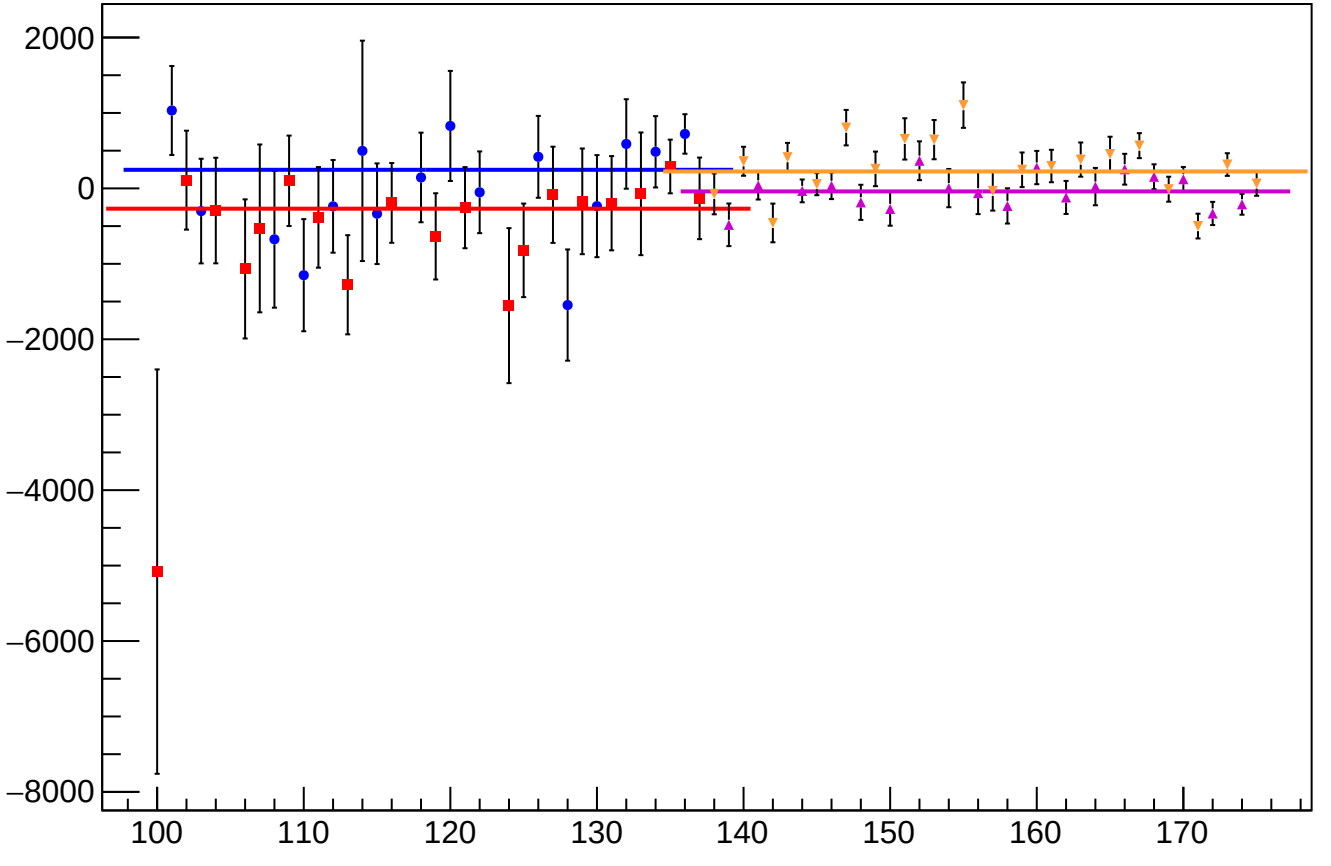
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.767+/-0.004 χ^2/NDF:1620750.8/33

Out: 28.020+/-0.004 χ^2/NDF:2203195.8/38

All: 27.895+/-0.003 χ^2/NDF: 3825709.8/72

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 224.420+/-45.037 χ^2/NDF:60.5/19

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -40.135+/-46.183 χ^2/NDF:19.4/17

Left: 95.465+/-32.243 χ^2/NDF: 96.7/37

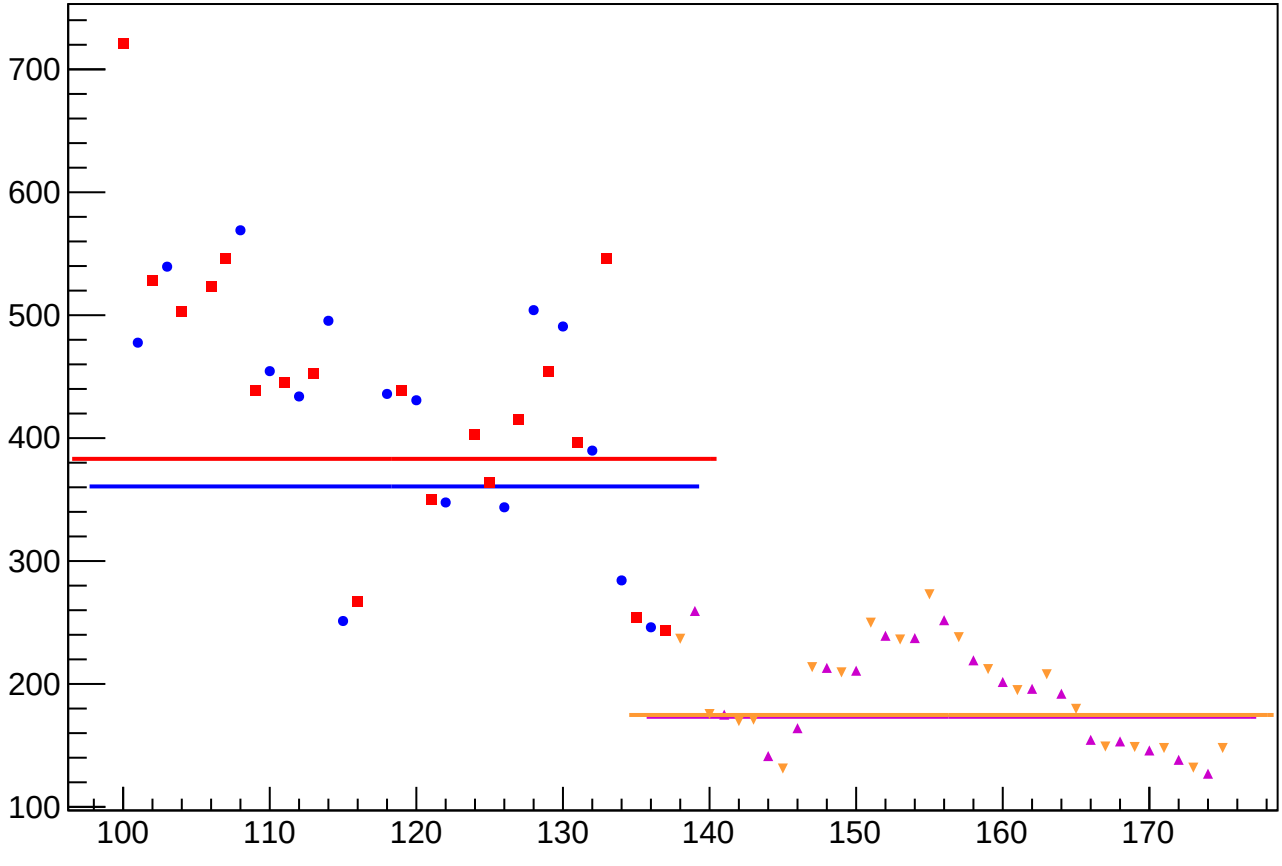
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -12.103+/-43.866 χ^2/NDF:42.9/33

Out: 181.175+/-43.018 χ^2/NDF:83.7/38

All: 86.423+/-30.714 χ^2/NDF: 136.4/72

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 174.775+/-0.032 χ^2/NDF:1459858.0/19

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 173.287+/-0.033 χ^2/NDF:1388818.4/17

Left: 174.050+/-0.023 χ^2/NDF: 2849741.0/37

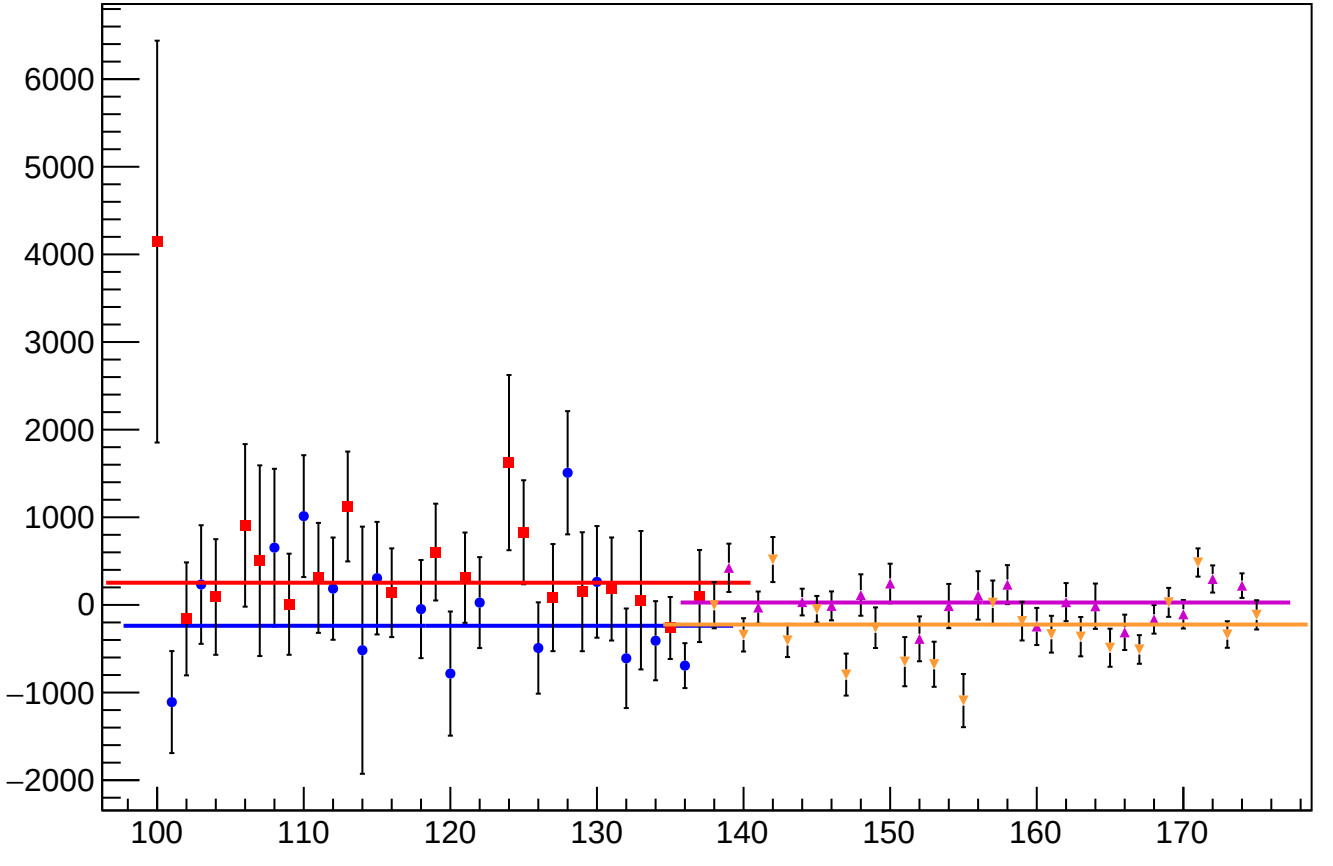
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 191.614+/-0.031 χ^2/NDF:5702193.7/33

Out: 193.039+/-0.030 χ^2/NDF:6175267.1/38

All: 192.340+/-0.022 χ^2/NDF: 11878537.7/72

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -223.691+/-44.940 χ^2/NDF:59.7/19

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 27.393+/-45.863 χ^2/NDF:18.3/17

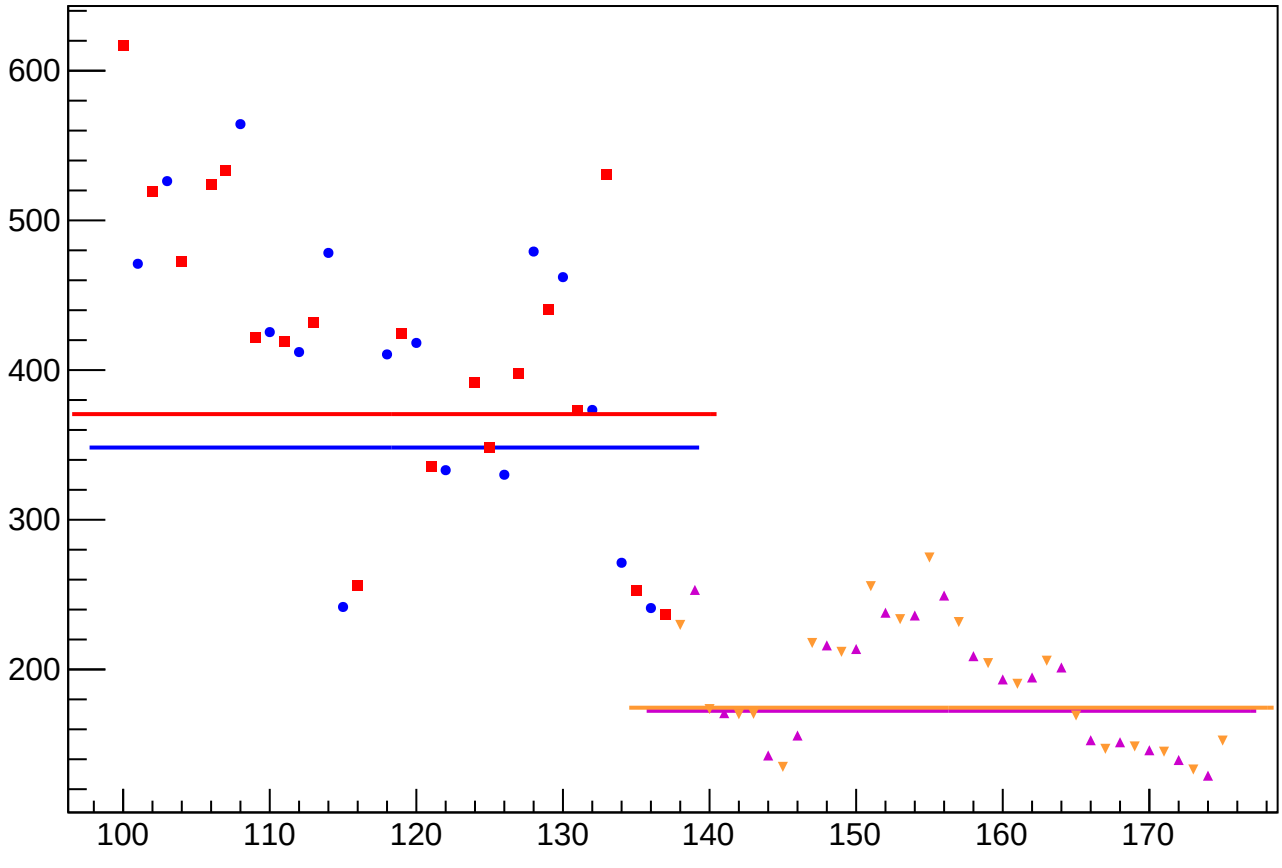
Left: -100.701+/-32.099 χ^2/NDF: 93.3/37

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 0.054+/-43.437 χ^2/NDF:41.7/33

Out: -179.357+/-42.801 χ^2/NDF:81.9/38

All: -90.974+/-30.488 χ^2/NDF: 132.3/72



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 174.447+/-0.032 χ^2/NDF:1380132.9/19

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 172.369+/-0.032 χ^2/NDF:1322251.7/17

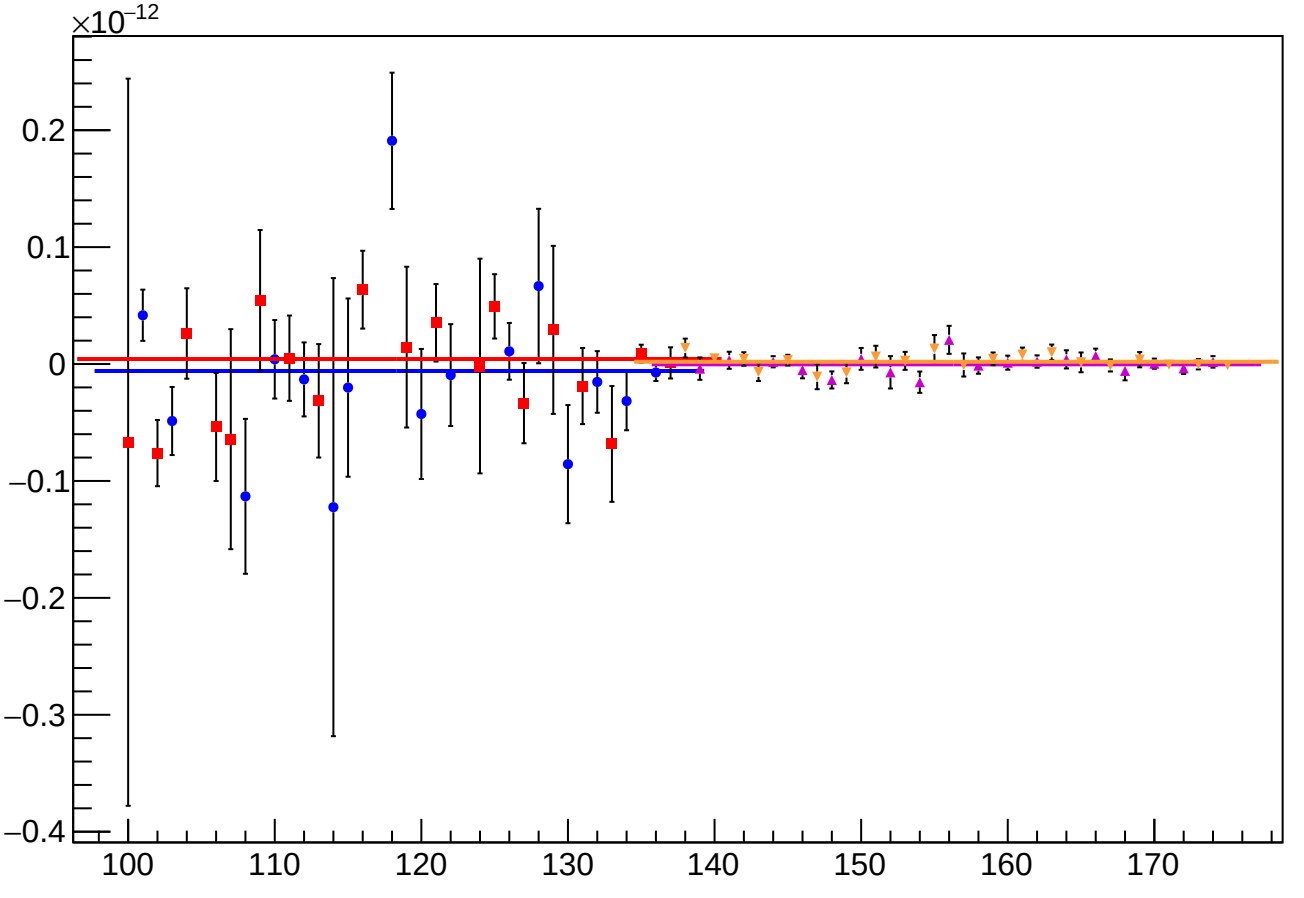
Left: 173.429+/-0.023 χ^2/NDF: 2704478.2/37

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 190.485+/-0.031 χ^2/NDF:5408521.9/33

Out: 192.672+/-0.030 χ^2/NDF:5837871.1/38

All: 191.594+/-0.022 χ^2/NDF: 11248965.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/17

Left: 0.000+/-0.000 χ^2/NDF: 27.6/37

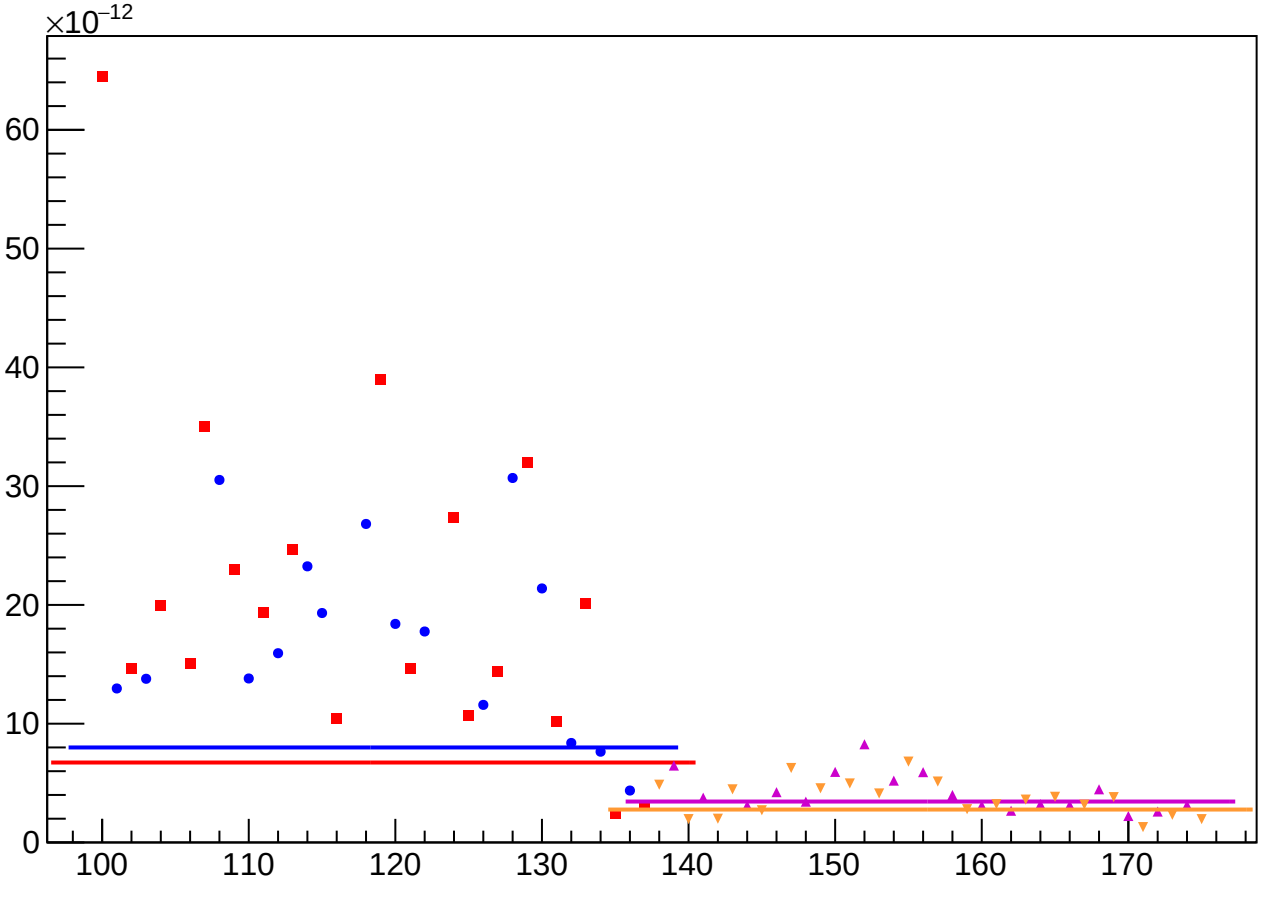
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:42.0/33

Out: 0.000+/-0.000 χ^2/NDF:35.8/38

All: 0.000+/-0.000 χ^2/NDF: 79.7/72

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820294.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1108392.9/17

Left: 0.000+/-0.000 χ^2/NDF: 3159895.6/37

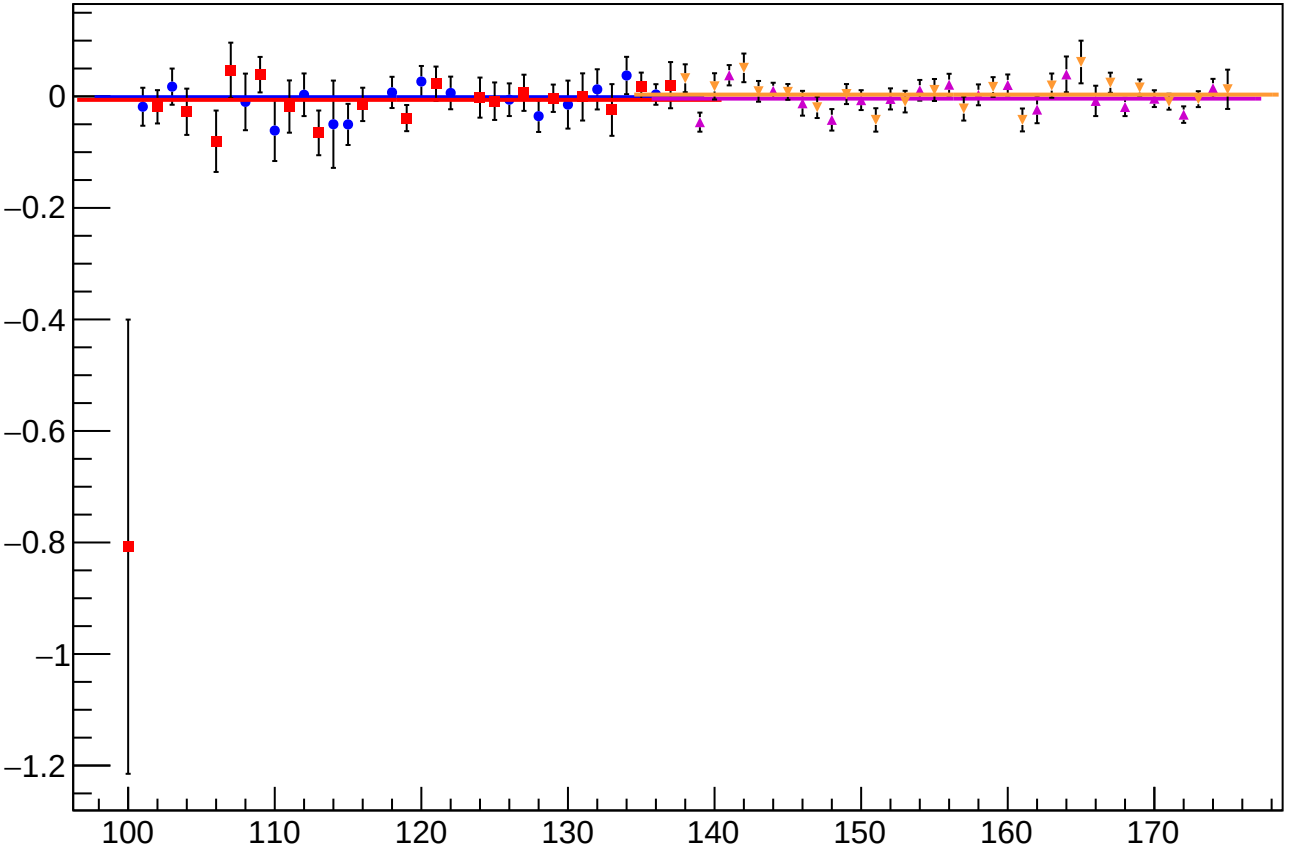
Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4252763.4/33

Out: 0.000+/-0.000 χ^2/NDF:6165778.7/38

All: 0.000+/-0.000 χ^2/NDF: 10756451.5/72

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.5/37

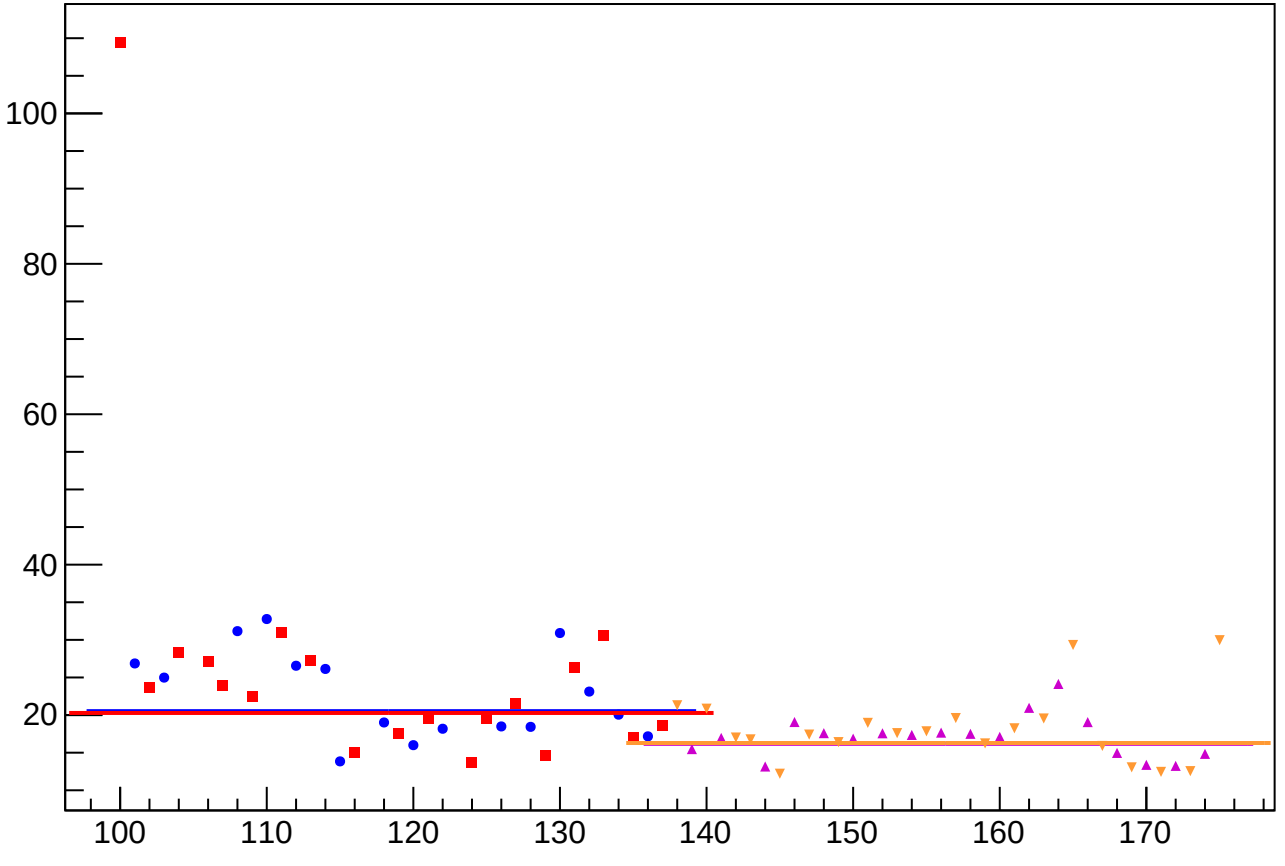
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.2/33

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 80.4/72

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

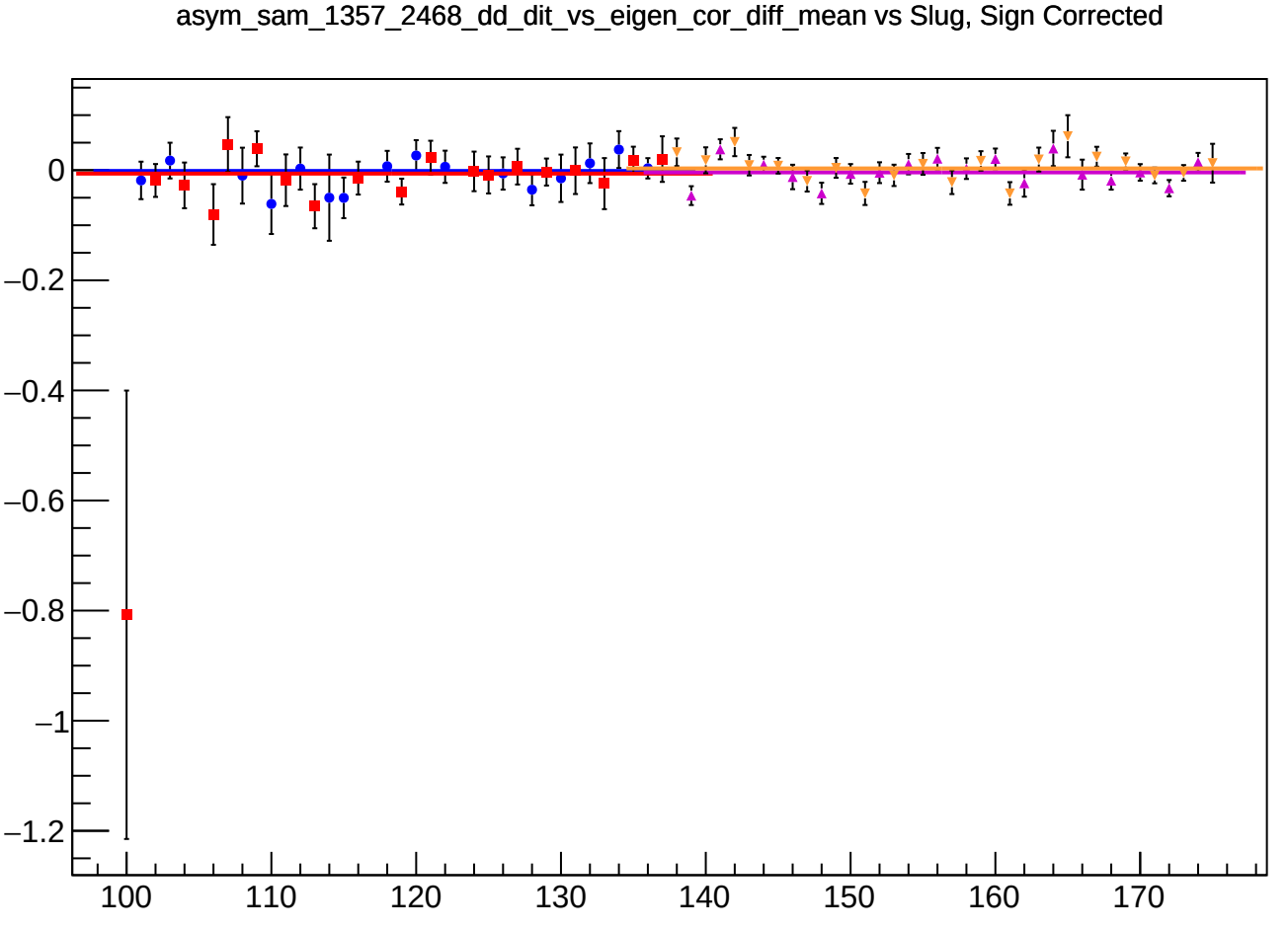
Left: 16.232+/-0.002 χ^2/NDF: 1994710.7/37

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.148+/-0.003 χ^2/NDF:1738304.0/33

Out: 17.190+/-0.003 χ^2/NDF:2674924.2/38

All: 17.169+/-0.002 χ^2/NDF: 4413346.9/72



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.5/37

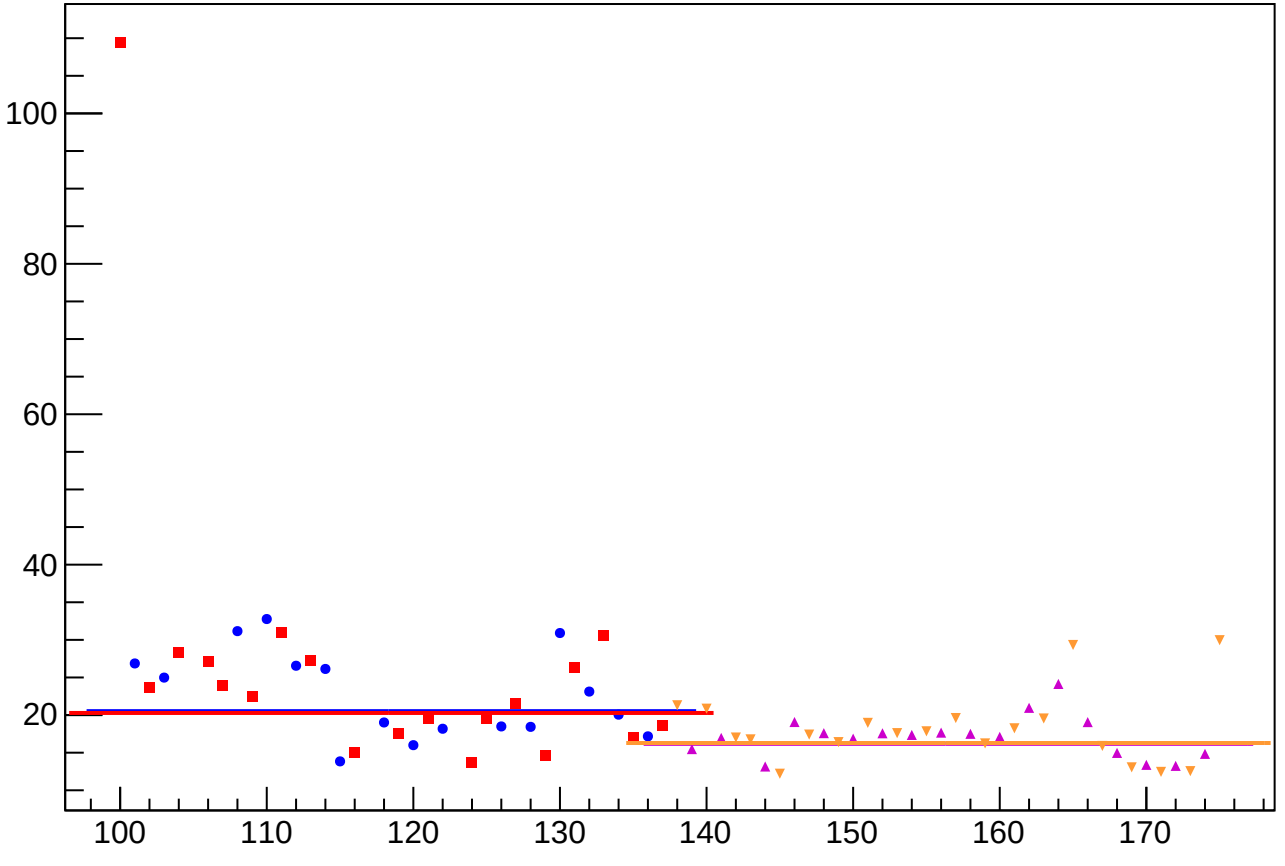
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.2/33

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 80.4/72

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

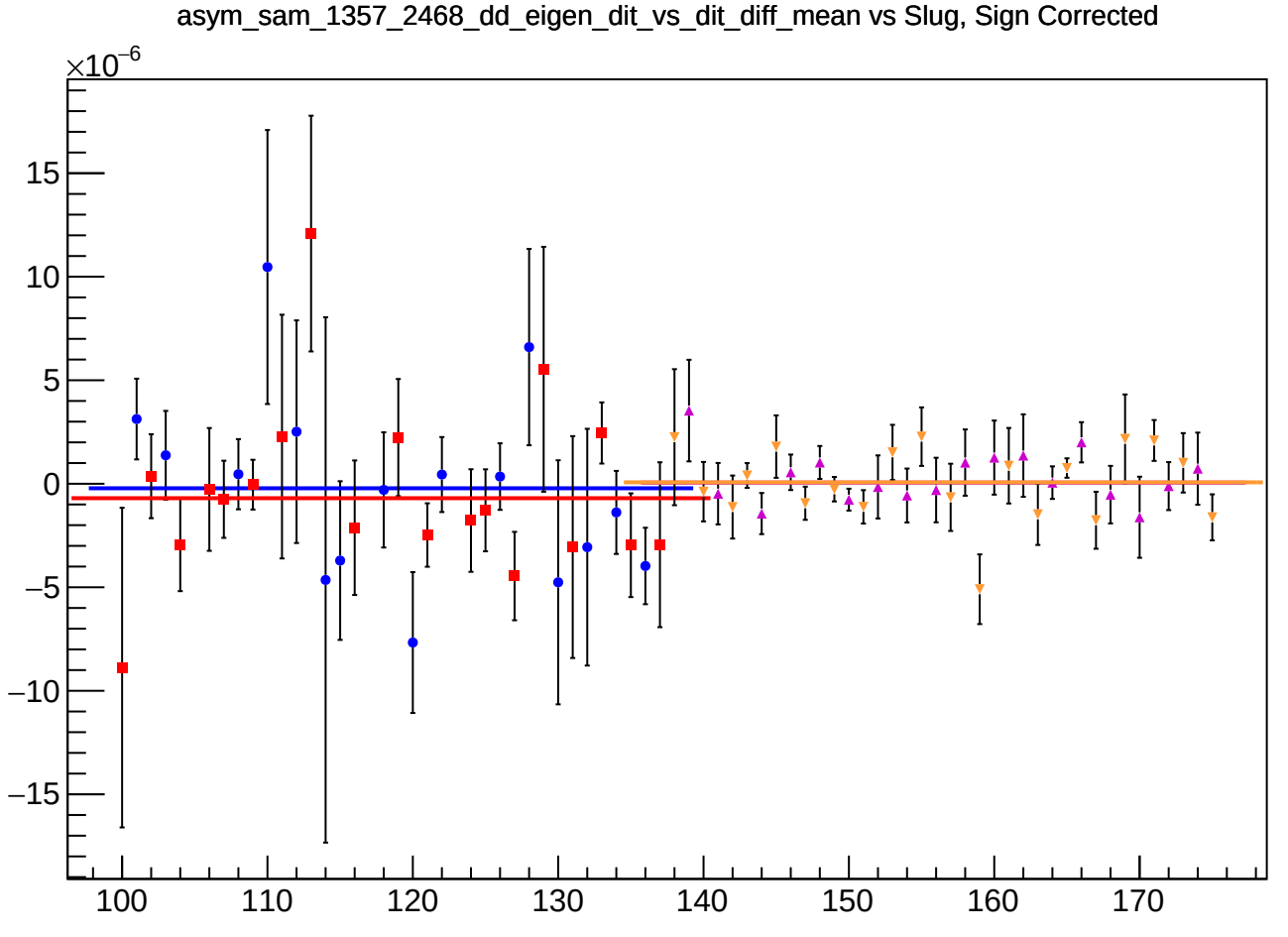
Left: 16.232+/-0.002 χ^2/NDF: 1994710.7/37

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.148+/-0.003 χ^2/NDF:1738304.0/33

Out: 17.190+/-0.003 χ^2/NDF:2674924.2/38

All: 17.169+/-0.002 χ^2/NDF: 4413346.9/72



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/17

Left: 0.000+/-0.000 χ^2/NDF: 48.5/37

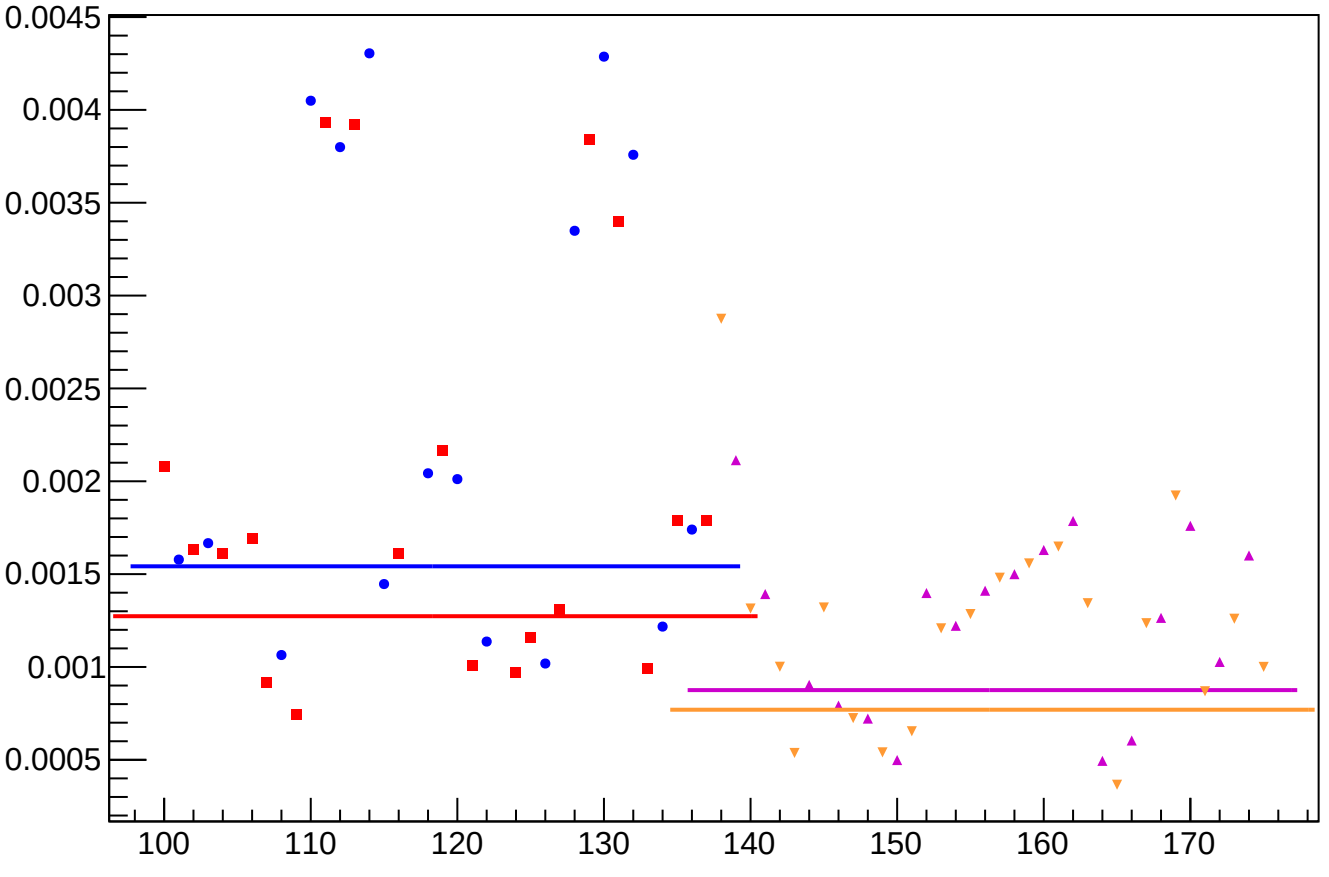
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.4/33

Out: -0.000+/-0.000 χ^2/NDF:56.0/38

All: -0.000+/-0.000 χ^2/NDF: 91.5/72

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6784313.0/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5129299.7/17

Left: 0.001+/-0.000 χ^2/NDF: 12107207.6/37

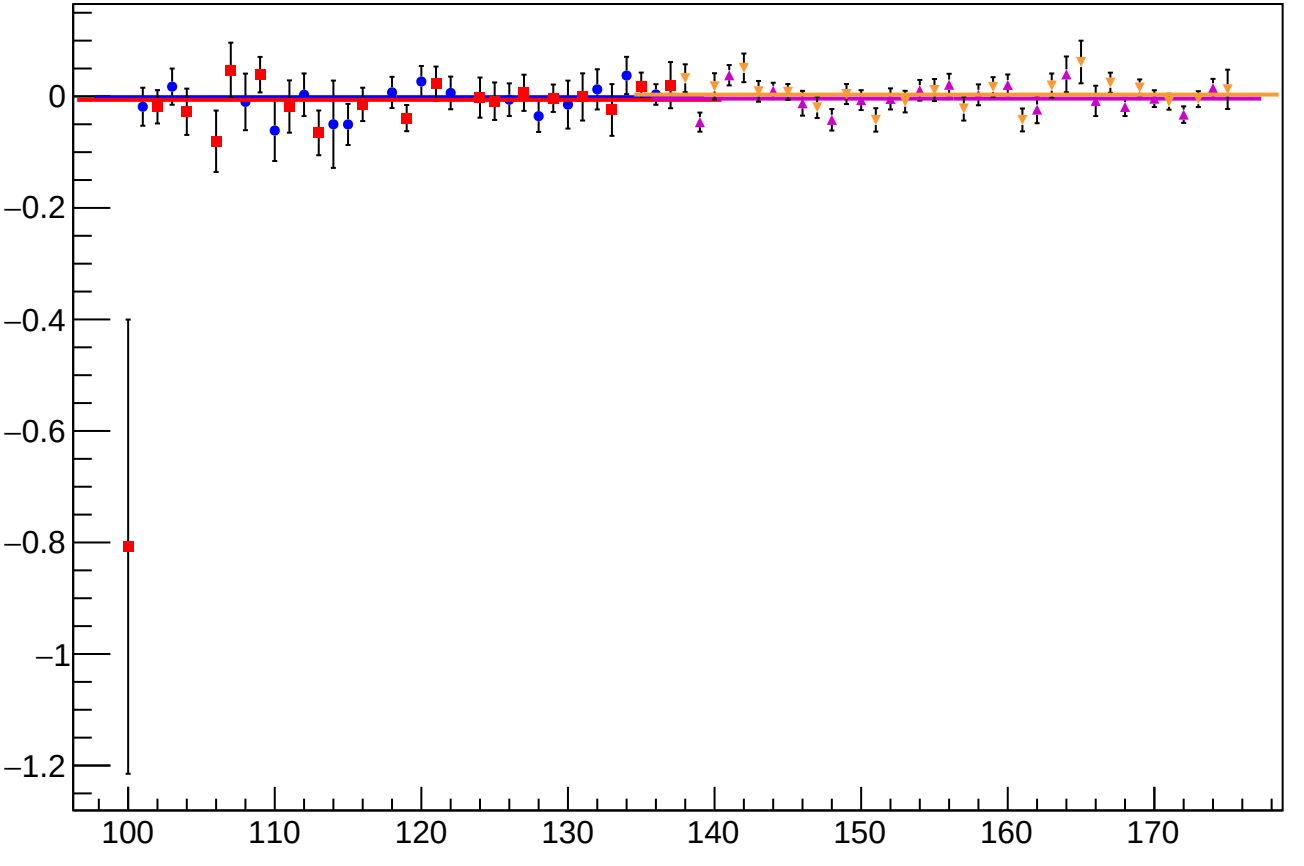
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9461350.9/33

Out: 0.001+/-0.000 χ^2/NDF:11018583.9/38

All: 0.001+/-0.000 χ^2/NDF: 20795676.5/72

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.5/37

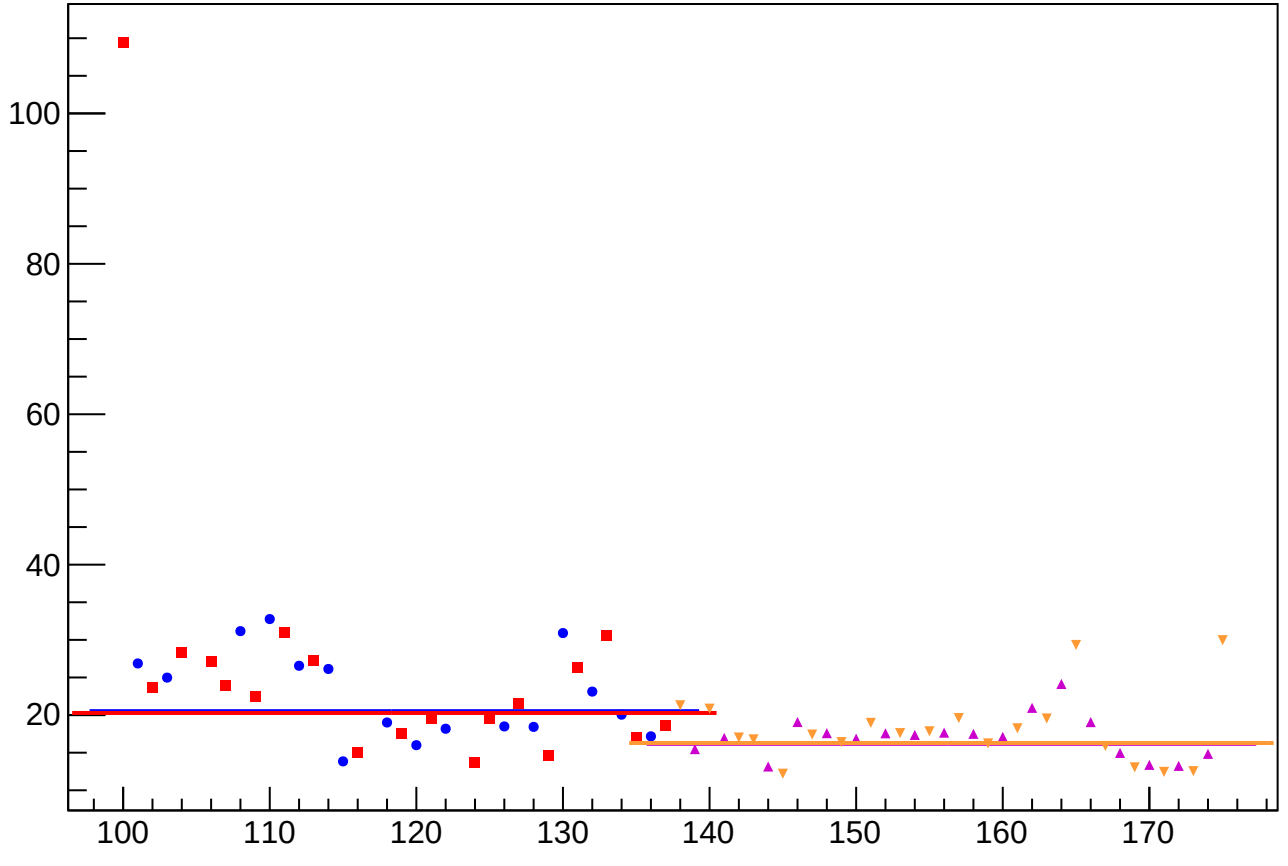
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.1/33

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 80.4/72

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413095.8/19

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

Left: 16.232+/-0.002 χ^2/NDF: 1994683.5/37

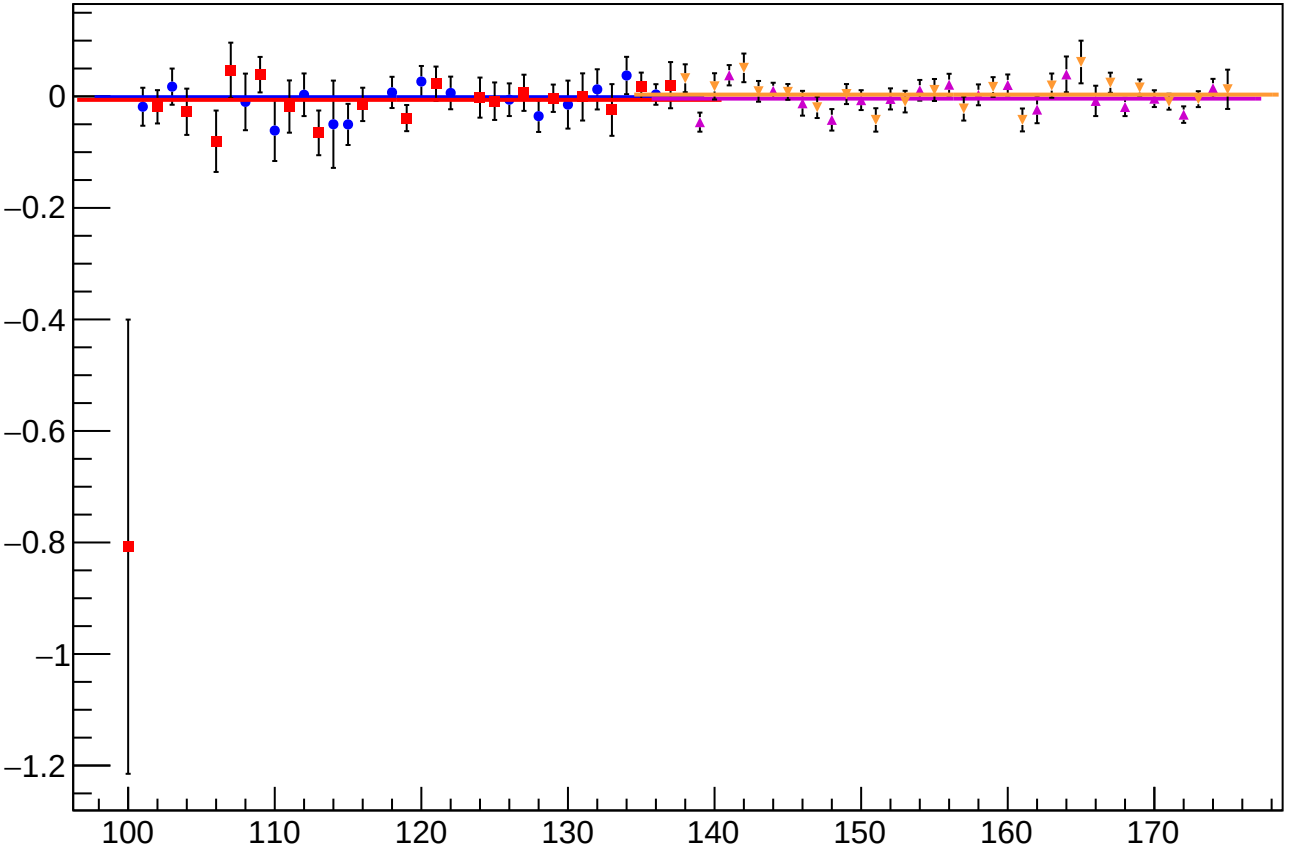
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.148+/-0.003 χ^2/NDF:1738072.7/33

Out: 17.190+/-0.003 χ^2/NDF:2674732.1/38

All: 17.169+/-0.002 χ^2/NDF: 4412923.6/72

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.5/37

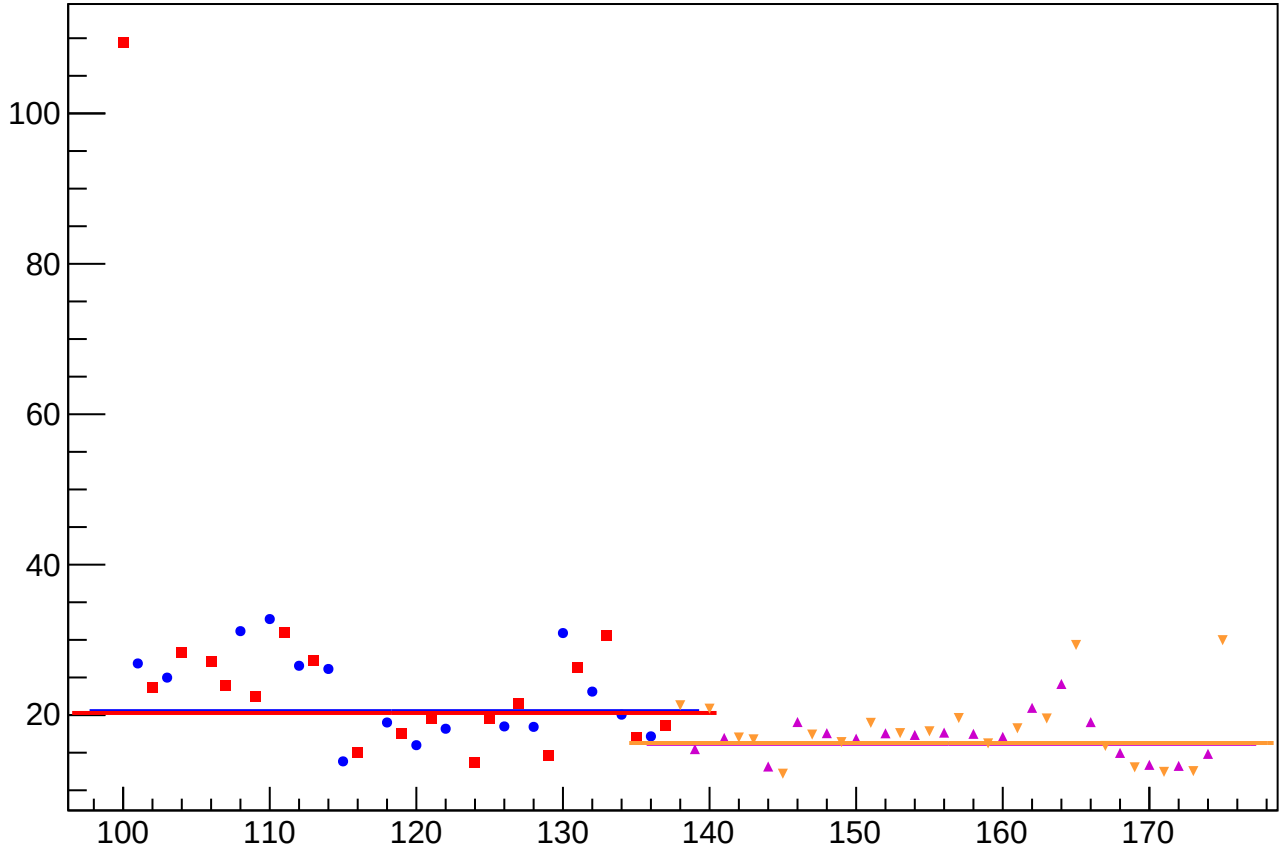
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.1/33

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 80.4/72

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413095.8/19

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

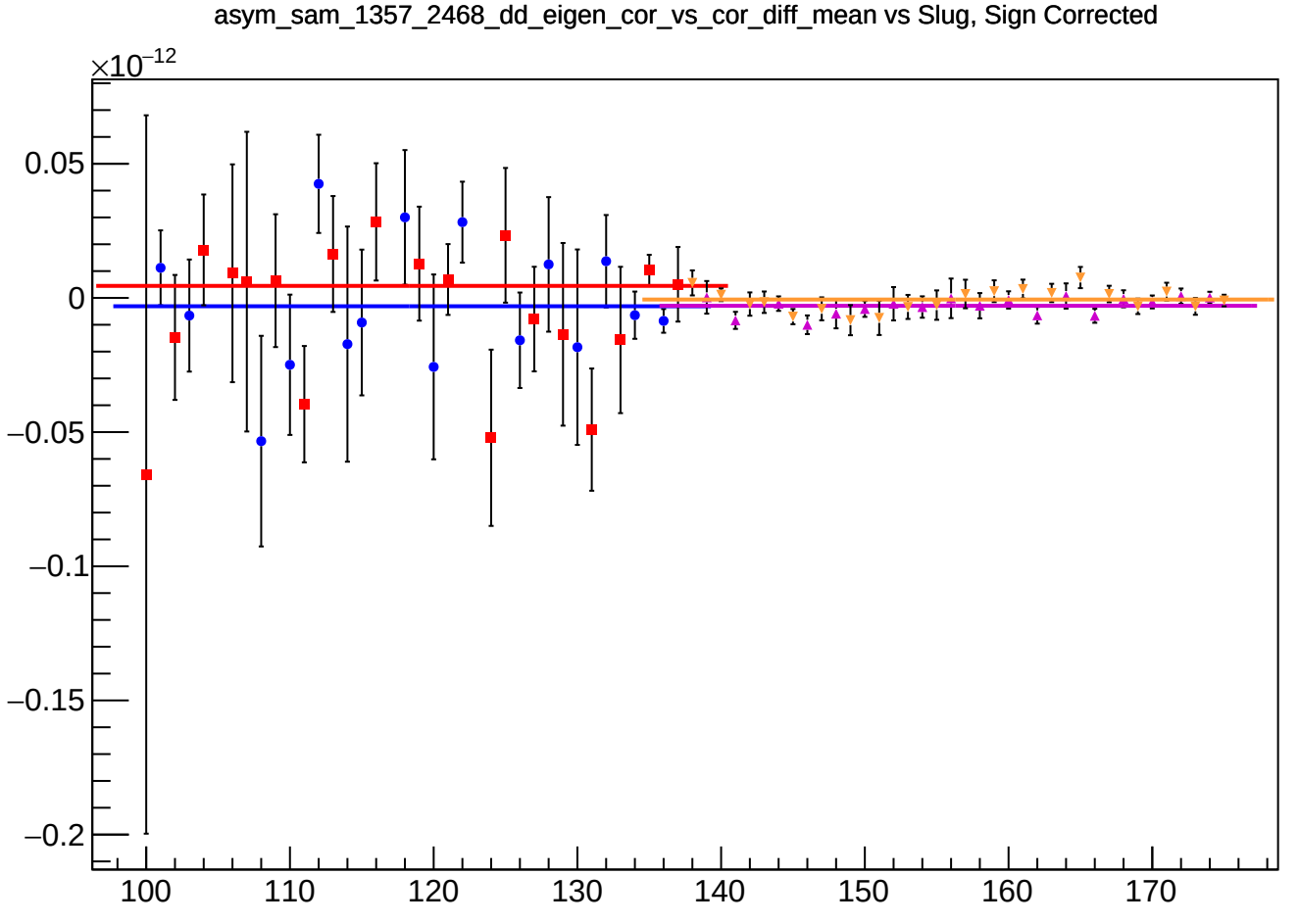
Left: 16.232+/-0.002 χ^2/NDF: 1994683.5/37

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.148+/-0.003 χ^2/NDF:1738072.7/33

Out: 17.190+/-0.003 χ^2/NDF:2674732.1/38

All: 17.169+/-0.002 χ^2/NDF: 4412923.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/17

Left: -0.000+/-0.000 χ^2/NDF: 43.0/37

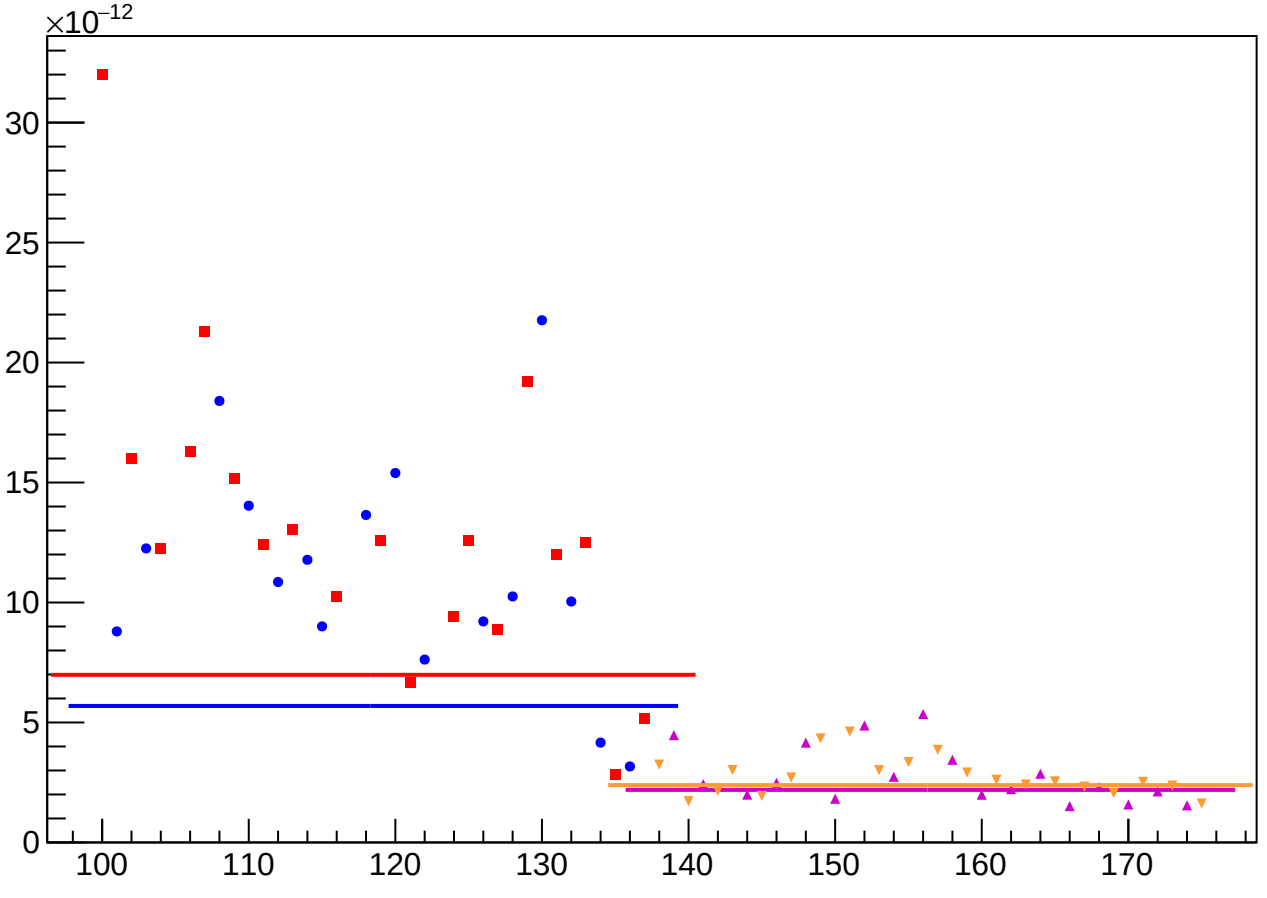
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:37.1/33

Out: -0.000+/-0.000 χ^2/NDF:41.6/38

All: -0.000+/-0.000 χ^2/NDF: 84.3/72

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1411129.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2023845.2/17

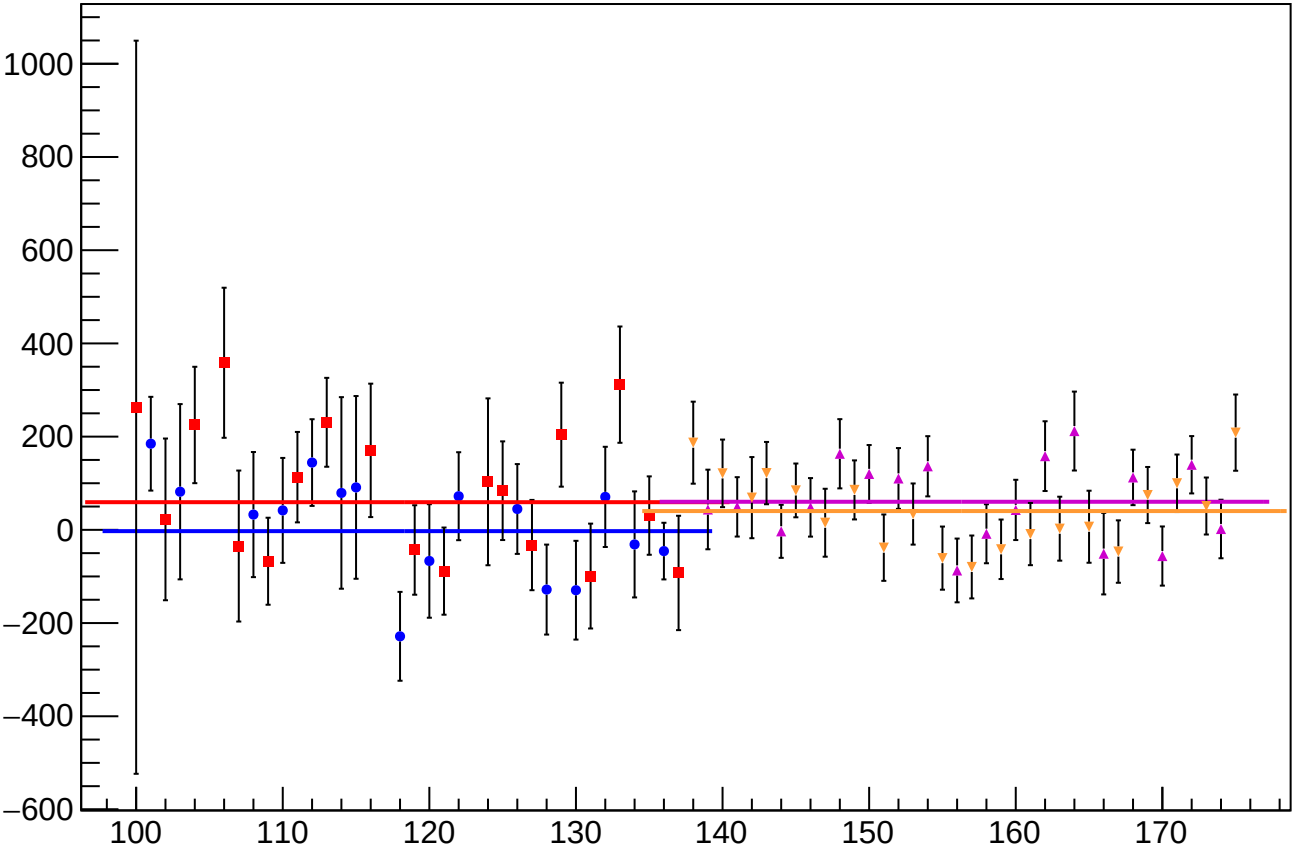
Left: 0.000+/-0.000 χ^2/NDF: 3500434.8/37

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6914145.9/33

Out: 0.000+/-0.000 χ^2/NDF:7234884.8/38

All: 0.000+/-0.000 χ^2/NDF: 14213213.4/72



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.277+/-15.235 χ^2/NDF:23.3/19

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 60.237+/-15.690 χ^2/NDF:25.3/17

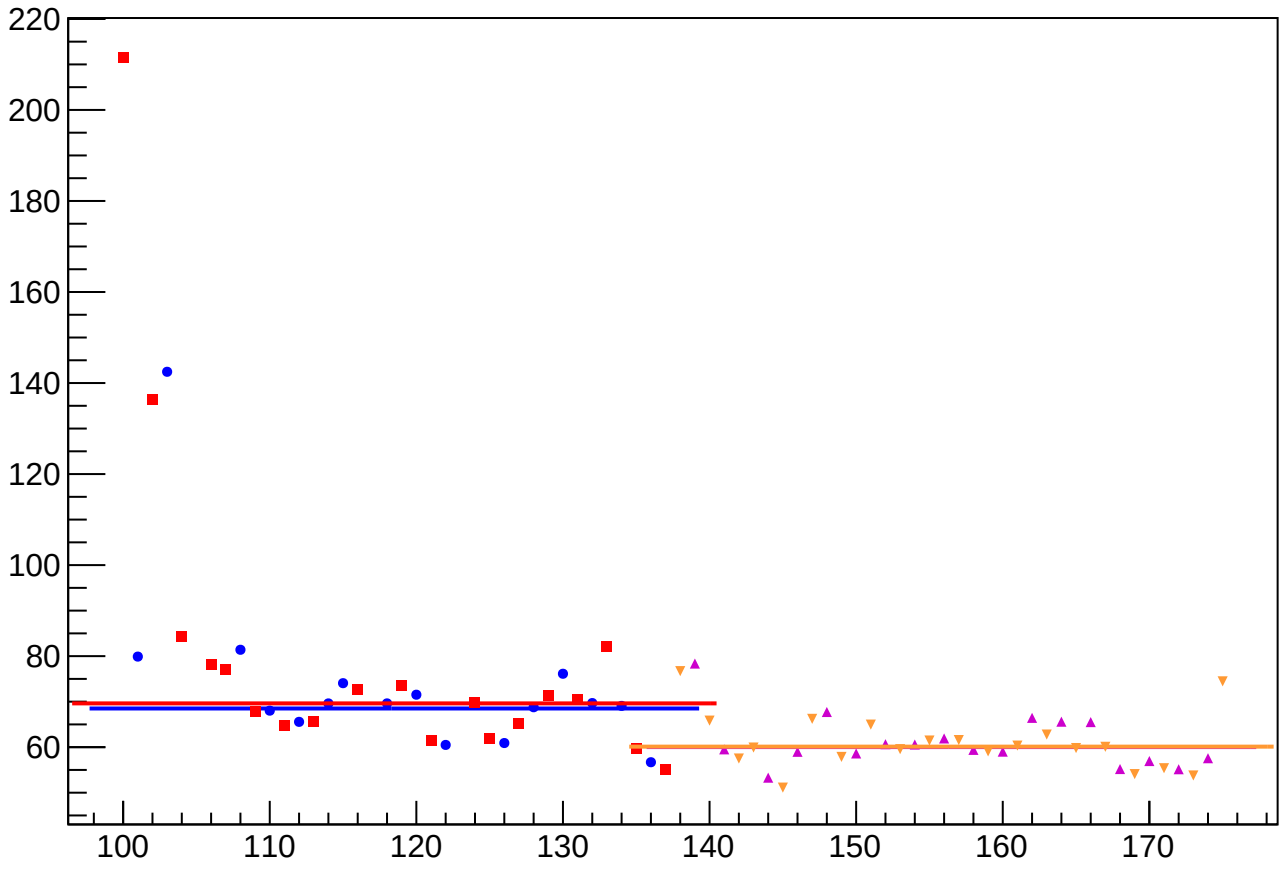
Left: 49.964+/-10.930 χ^2/NDF: 49.5/37

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 43.619+/-13.462 χ^2/NDF:47.2/33

Out: 45.047+/-13.193 χ^2/NDF:49.4/38

All: 44.347+/-9.423 χ^2/NDF: 96.7/72



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

Left: 60.071+/-0.008 χ^2/NDF: 490804.2/37

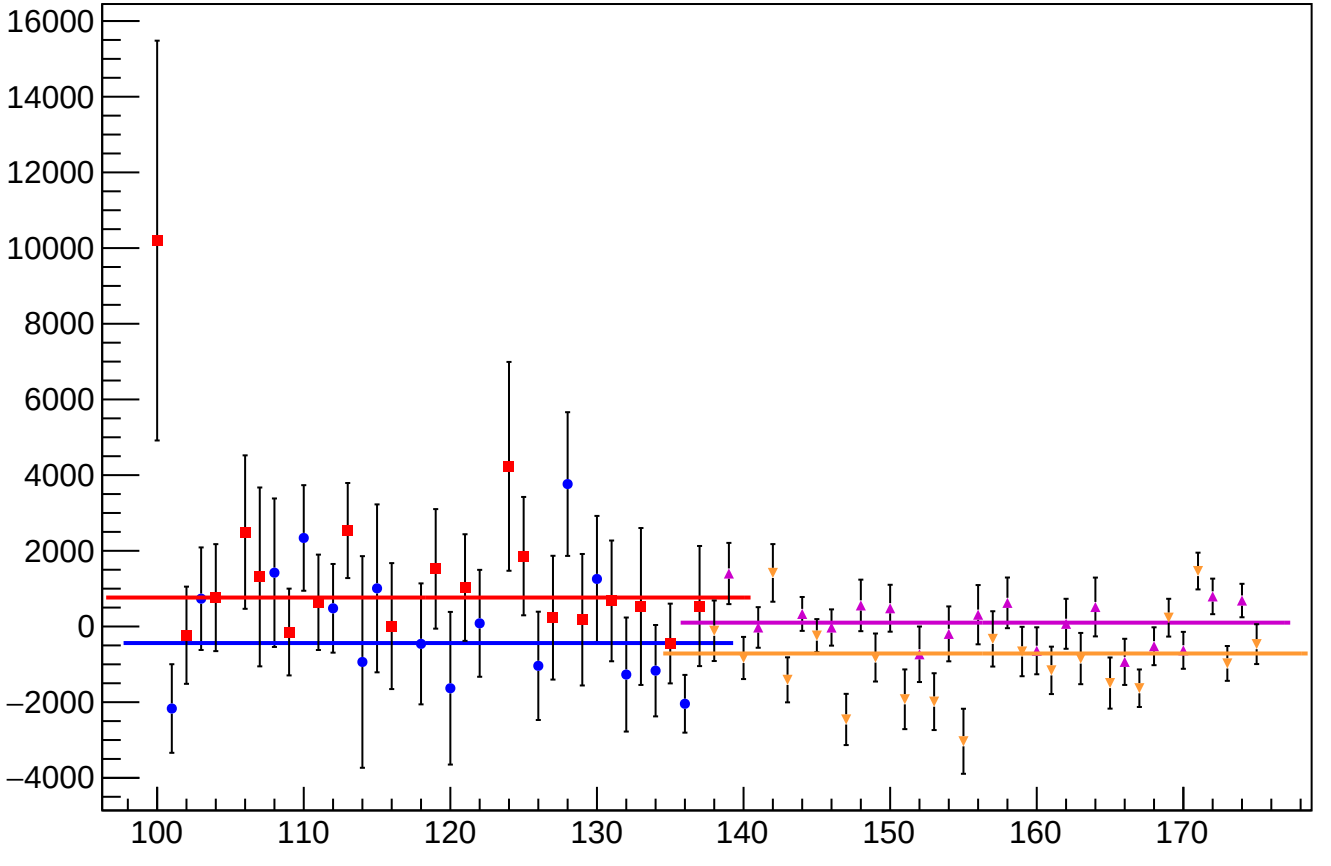
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.257+/-0.010 χ^2/NDF:836522.2/33

Out: 62.494+/-0.009 χ^2/NDF:995088.8/38

All: 62.378+/-0.007 χ^2/NDF: 1831926.4/72

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -713.433+/-133.889 χ^2/NDF:60.0/19

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 101.212+/-136.328 χ^2/NDF:18.3/17

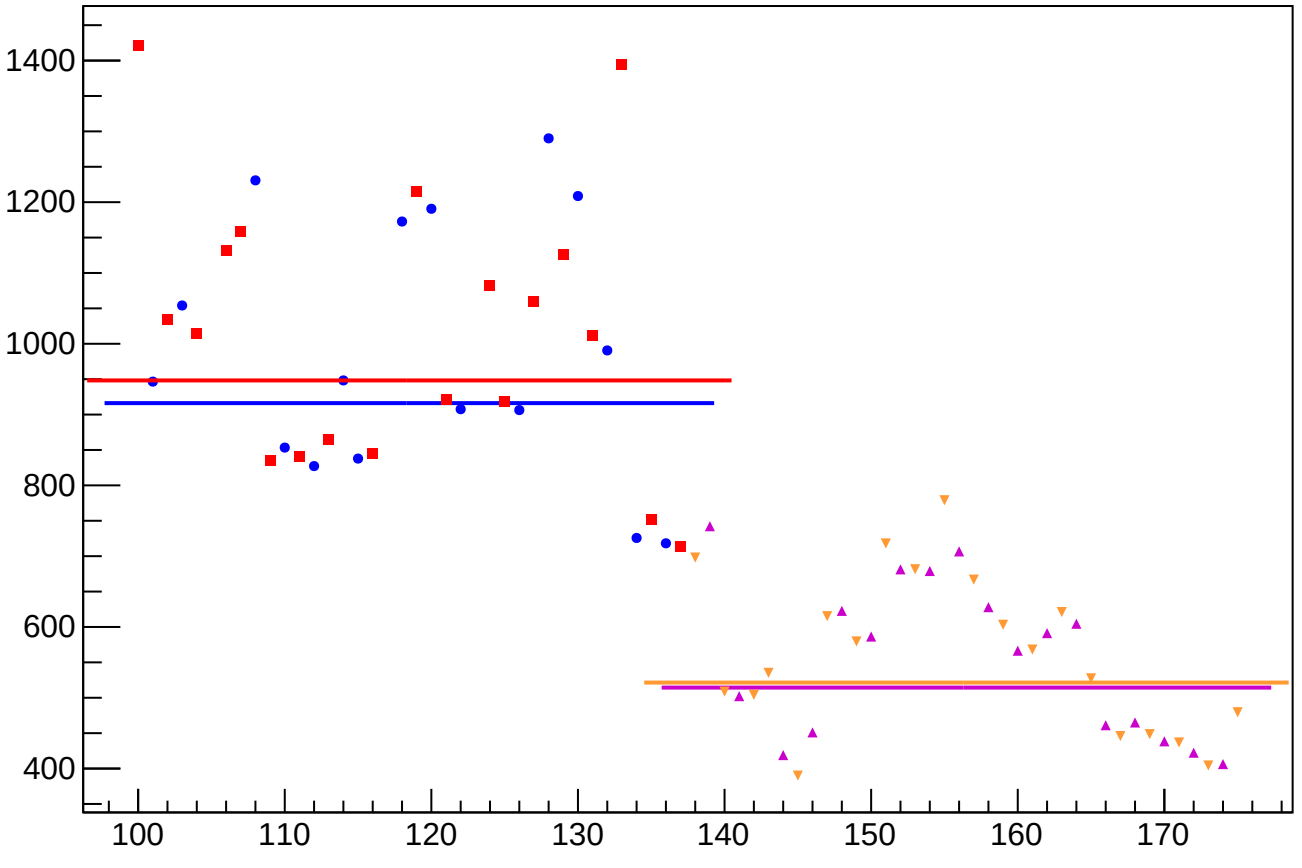
Left: -313.462+/-95.524 χ^2/NDF: 96.5/37

Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 29.859+/-126.978 χ^2/NDF:40.9/33

Out: -527.500+/-125.189 χ^2/NDF:86.7/38

All: -252.773+/-89.148 χ^2/NDF: 137.4/72



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188683.9/19

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095405.5/17

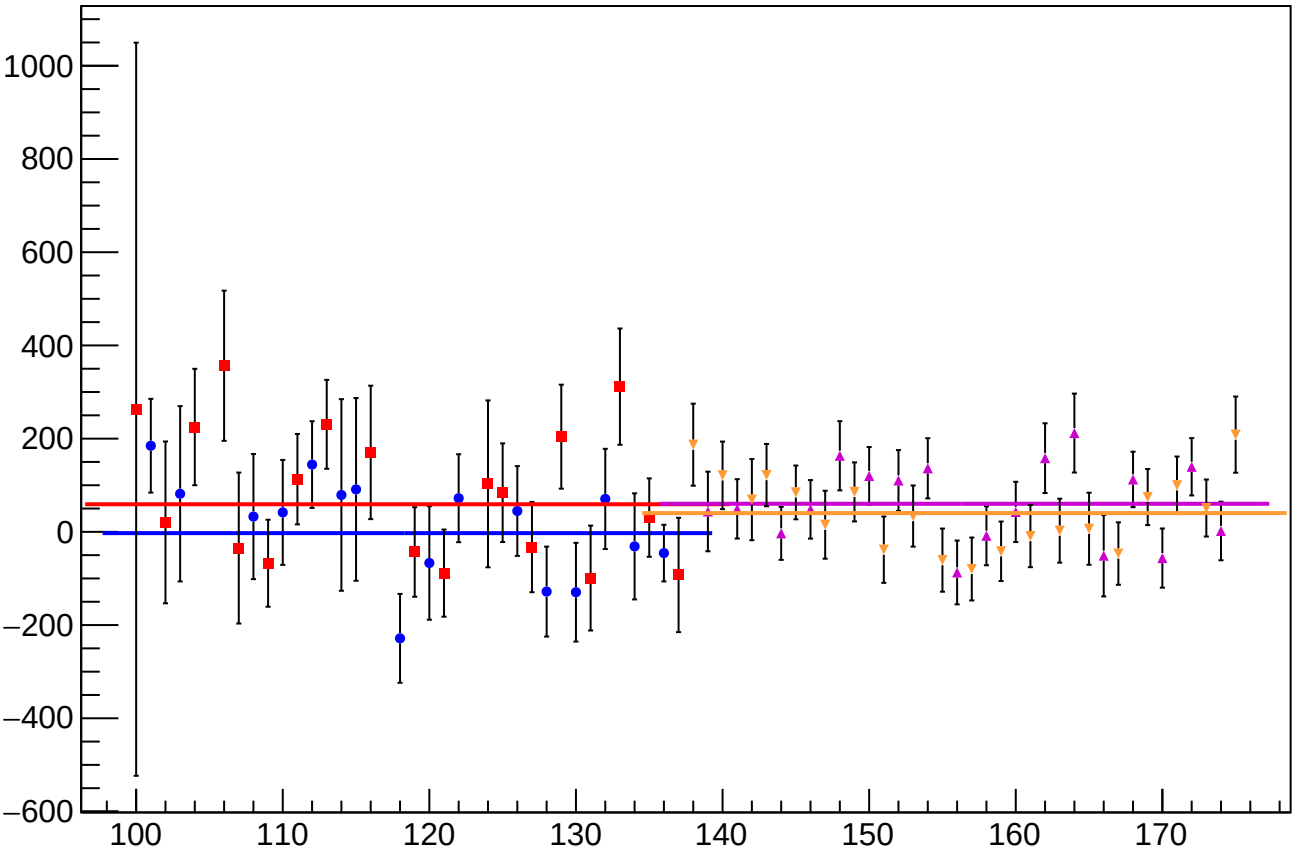
Left: 517.983+/-0.068 χ^2/NDF: 2286852.3/37

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 567.593+/-0.090 χ^2/NDF:3905923.6/33

Out: 575.129+/-0.089 χ^2/NDF:4158773.8/38

All: 571.415+/-0.063 χ^2/NDF: 8068269.9/72



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.235+/-15.690 χ^2/NDF:25.3/17

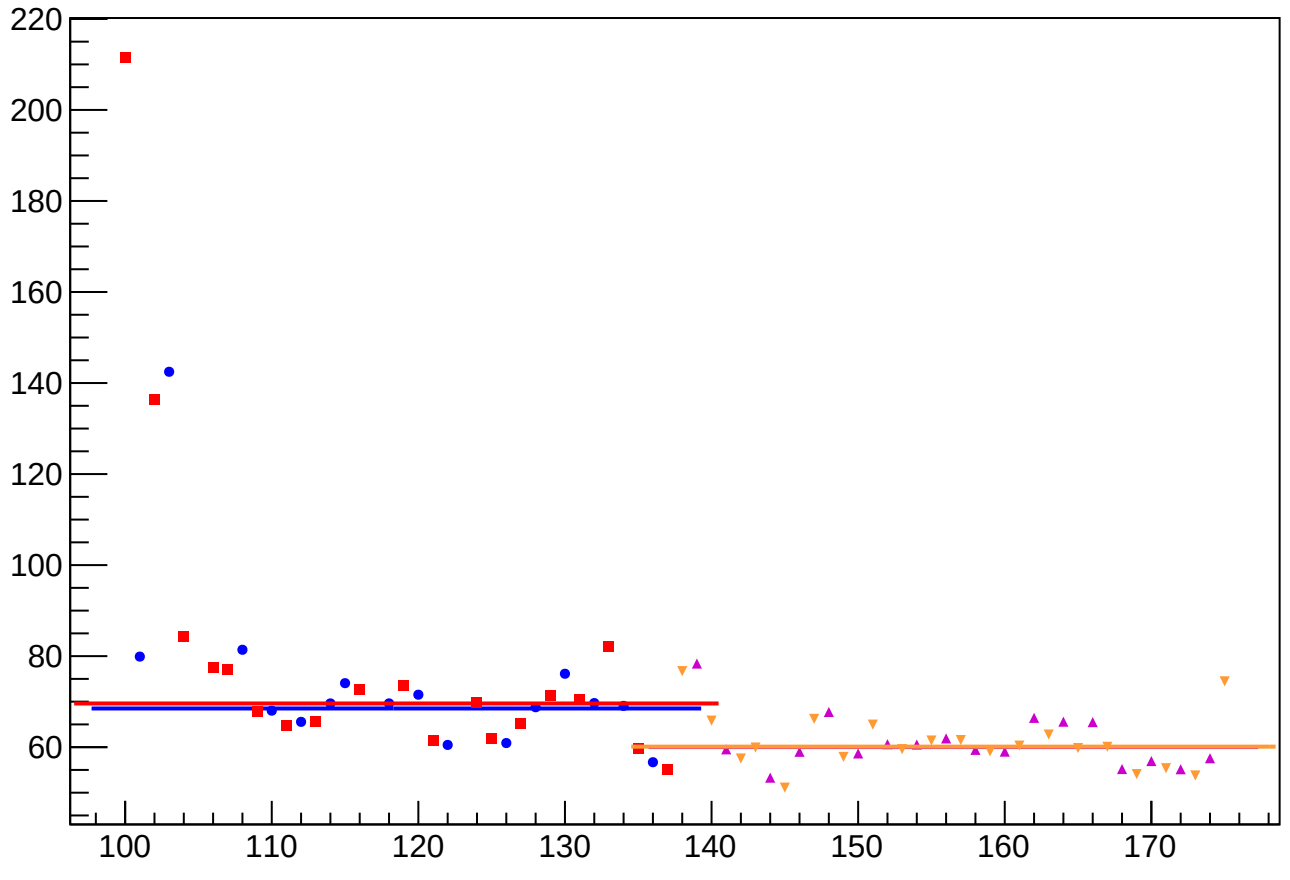
Left: 49.964+/-10.930 χ^2/NDF: 49.5/37

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.616+/-13.462 χ^2/NDF:47.2/33

Out: 45.017+/-13.193 χ^2/NDF:49.4/38

All: 44.331+/-9.423 χ^2/NDF: 96.6/72



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

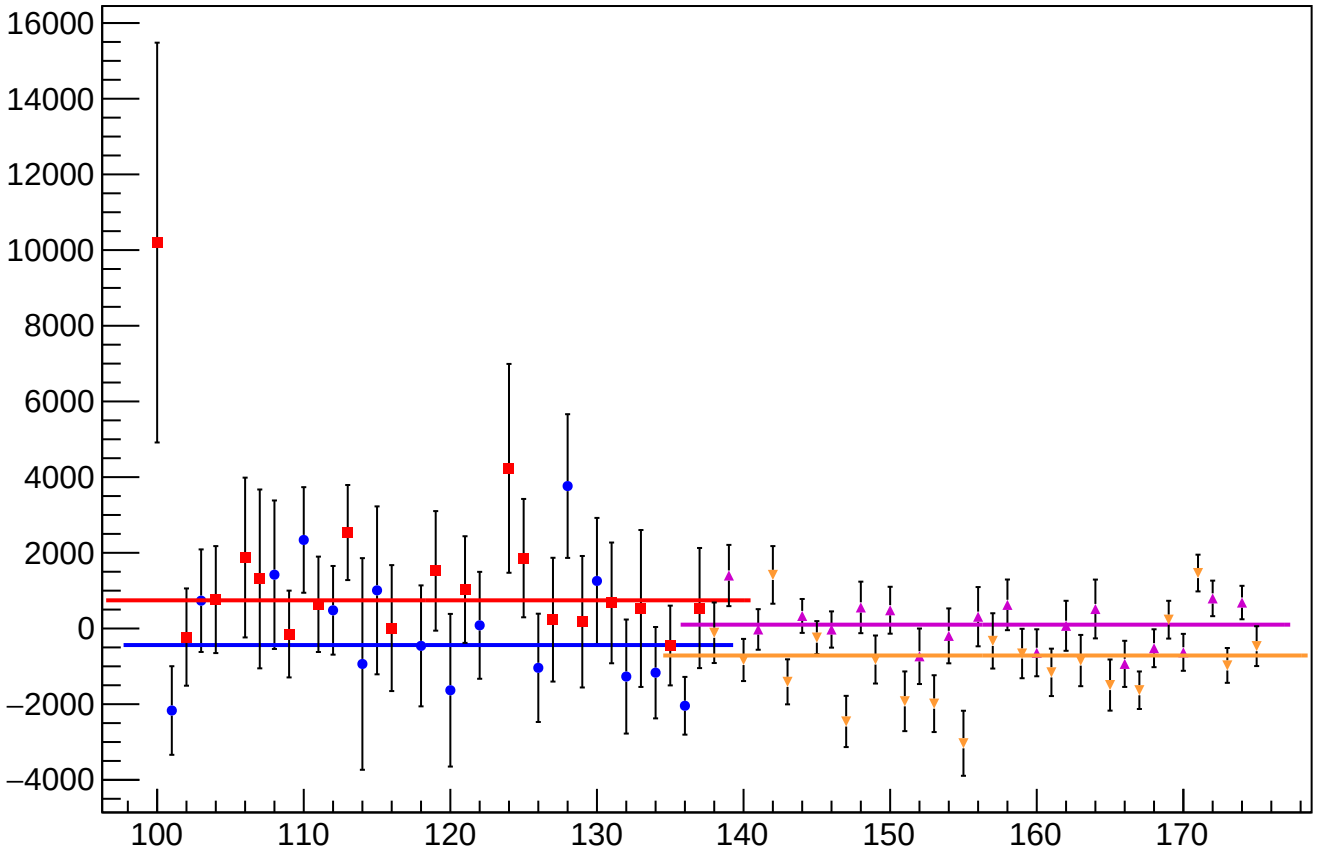
Left: 60.071+/-0.008 χ^2/NDF: 490804.2/37

Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.257+/-0.010 χ^2/NDF:836525.1/33

Out: 62.489+/-0.009 χ^2/NDF:993674.3/38

All: 62.375+/-0.007 χ^2/NDF: 1830501.8/72



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -713.429+/-133.889 χ^2/NDF:60.0/19

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 101.213+/-136.328 χ^2/NDF:18.3/17

Left: -313.460+/-95.524 χ^2/NDF: 96.5/37

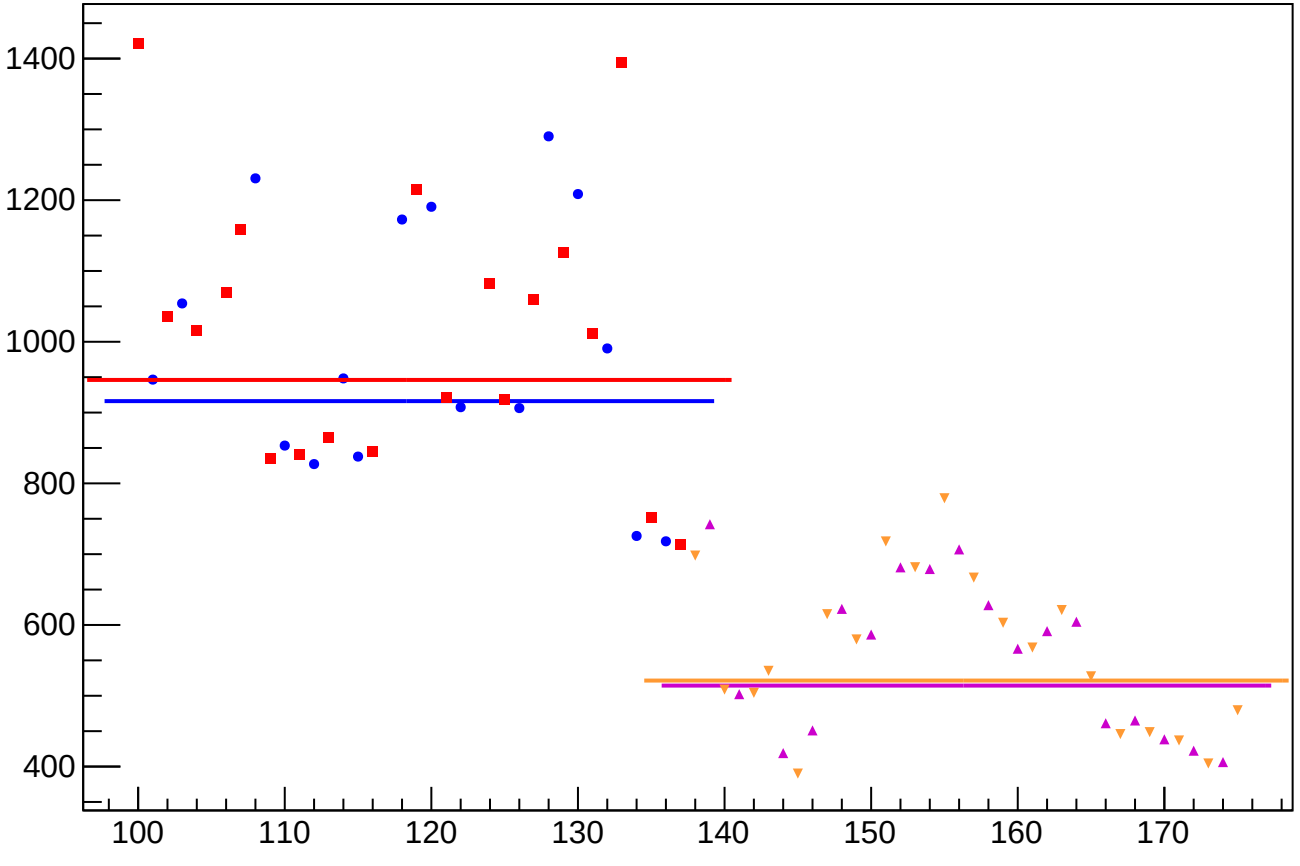
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 29.864+/-126.978 χ^2/NDF:40.9/33

Out: -530.526+/-125.208 χ^2/NDF:85.8/38

All: -254.263+/-89.155 χ^2/NDF: 136.5/72

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188687.8/19

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

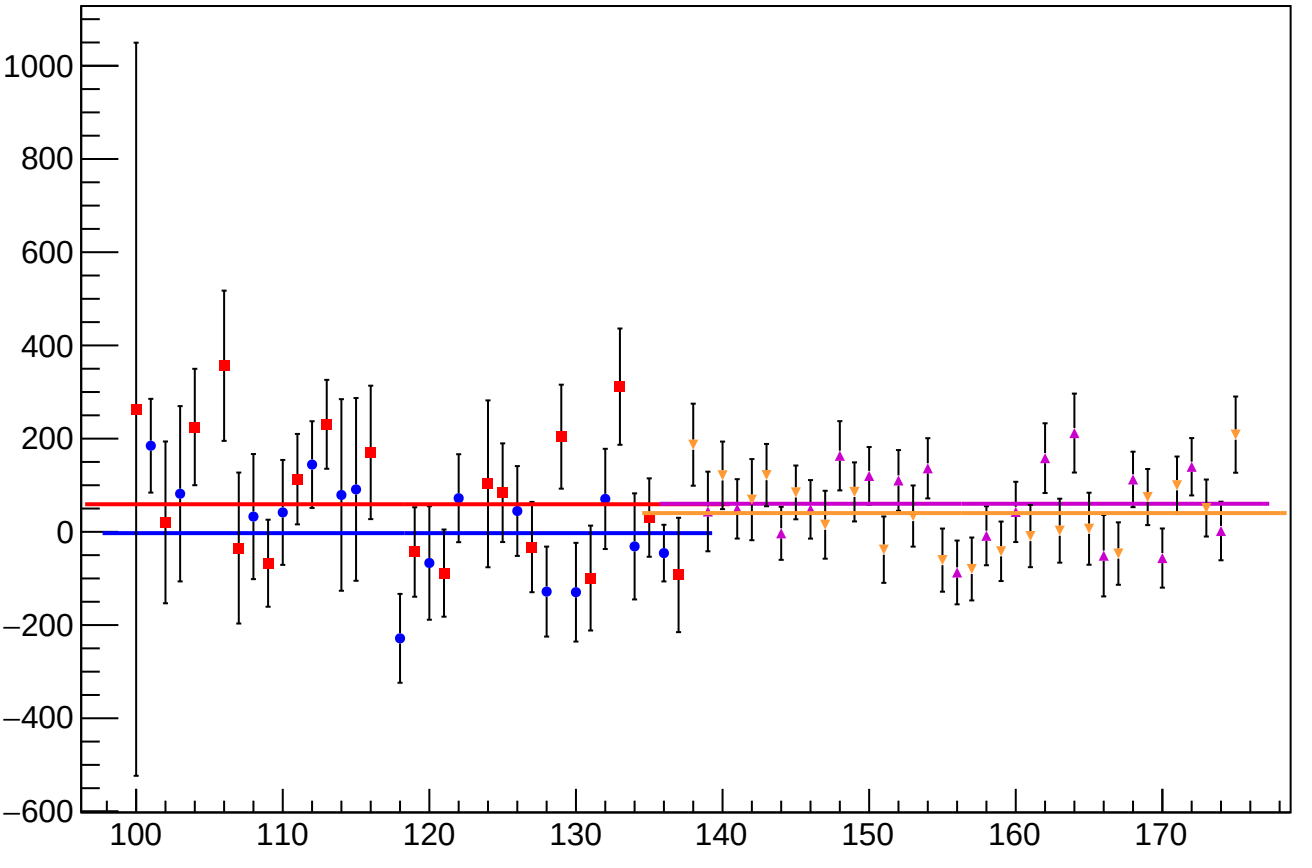
Left: 517.983+/-0.068 χ^2/NDF: 2286855.1/37

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 567.593+/-0.090 χ^2/NDF:3905968.2/33

Out: 574.745+/-0.089 χ^2/NDF:4117956.8/38

All: 571.219+/-0.063 χ^2/NDF: 8027141.5/72



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.235+/-15.690 χ^2/NDF:25.3/17

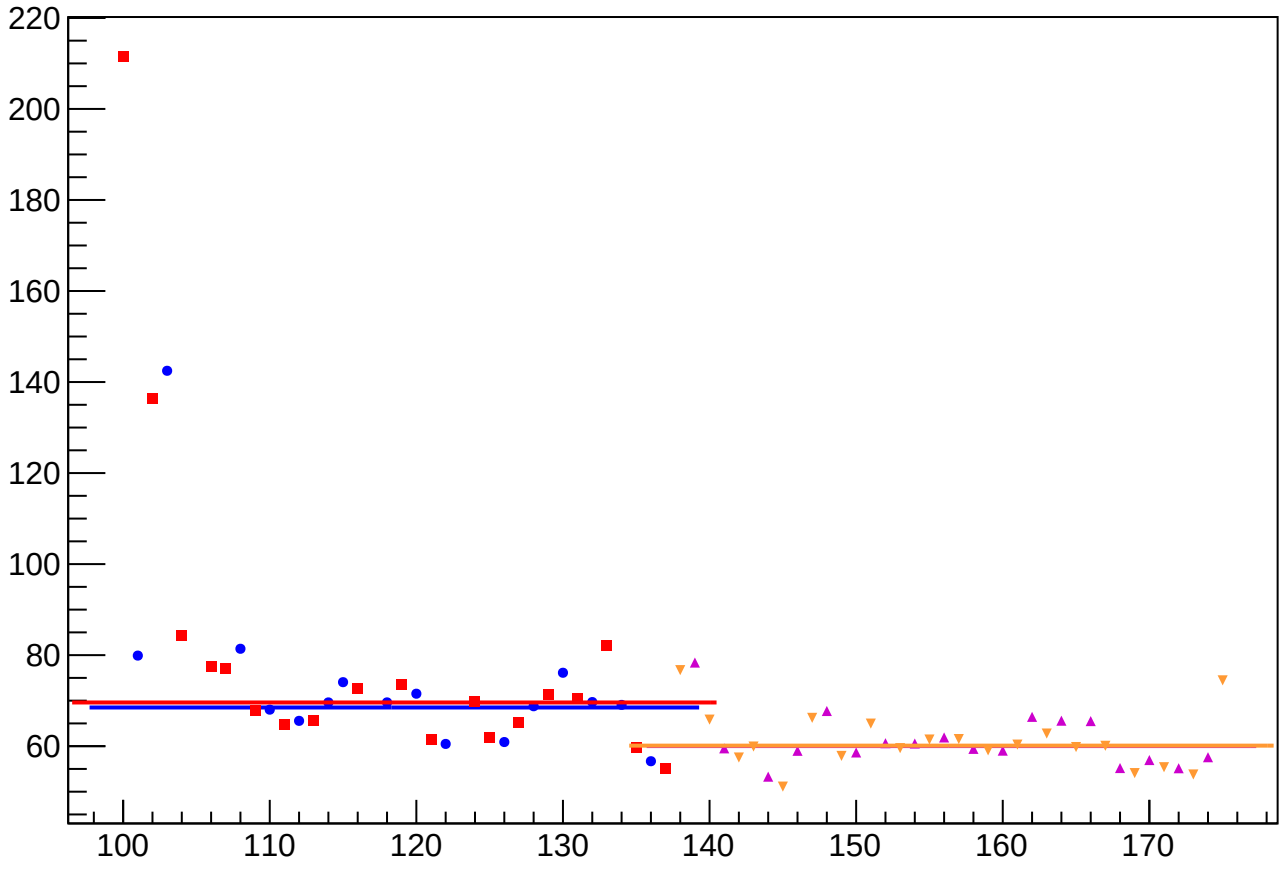
Left: 49.964+/-10.930 χ^2/NDF: 49.5/37

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.616+/-13.462 χ^2/NDF:47.2/33

Out: 45.017+/-13.193 χ^2/NDF:49.4/38

All: 44.331+/-9.423 χ^2/NDF: 96.6/72



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

Left: 60.071+/-0.008 χ^2/NDF: 490804.2/37

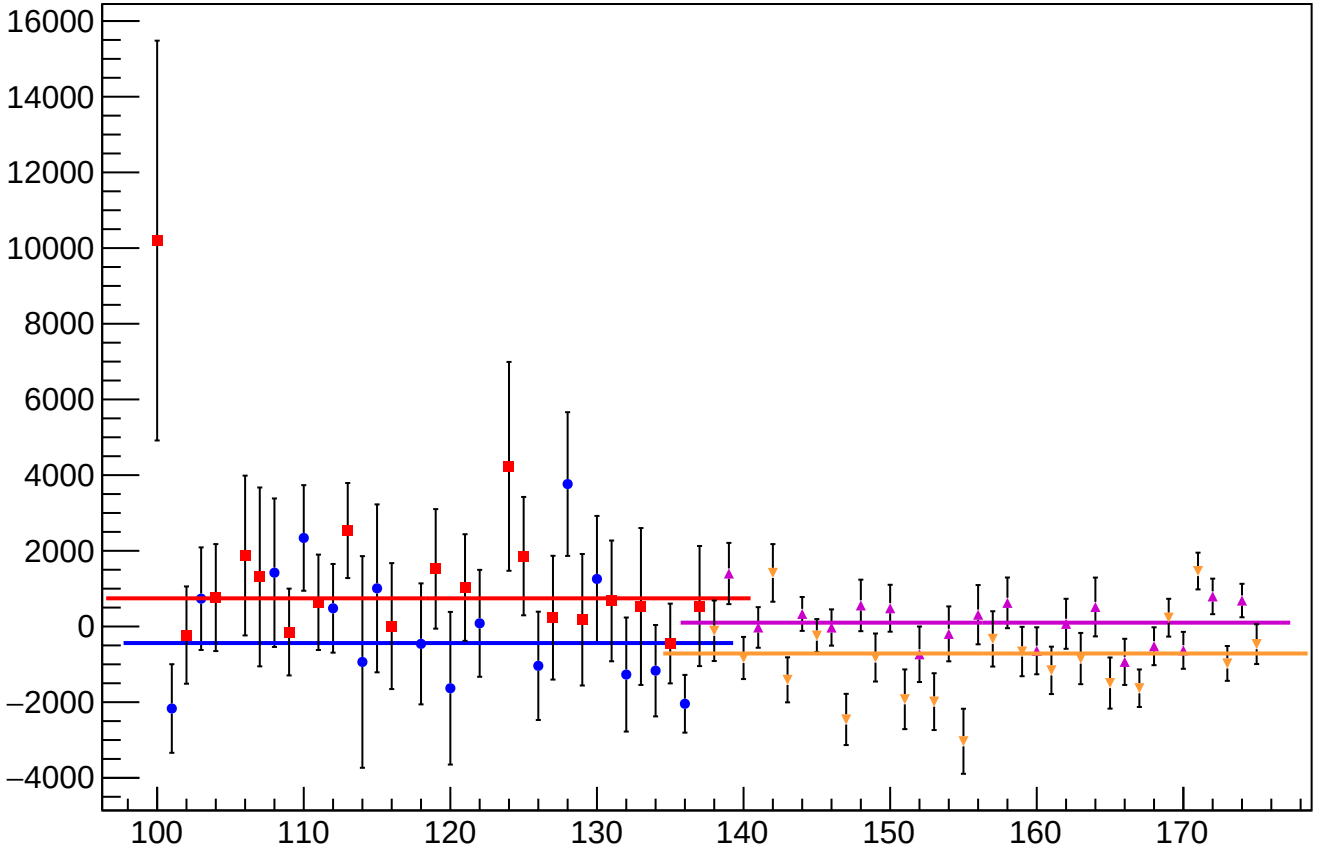
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.257+/-0.010 χ^2/NDF:836525.1/33

Out: 62.489+/-0.009 χ^2/NDF:993674.3/38

All: 62.375+/-0.007 χ^2/NDF: 1830501.8/72

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -713.429+/-133.889 χ^2/NDF:60.0/19

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 101.213+/-136.328 χ^2/NDF:18.3/17

Left: -313.460+/-95.524 χ^2/NDF: 96.5/37

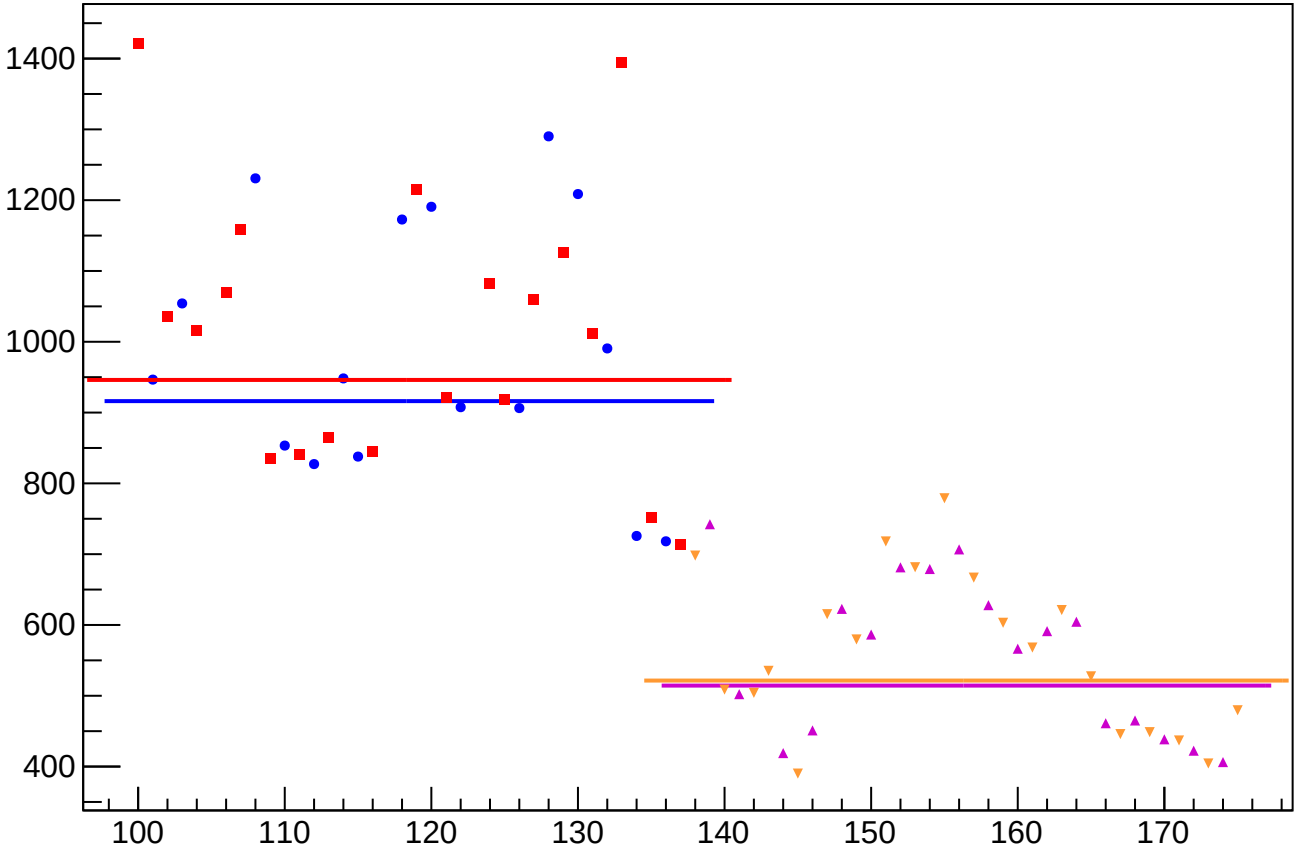
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 29.864+/-126.978 χ^2/NDF:40.9/33

Out: -530.526+/-125.208 χ^2/NDF:85.8/38

All: -254.263+/-89.155 χ^2/NDF: 136.5/72

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.470+/-0.095 χ^2/NDF:1188687.8/19

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

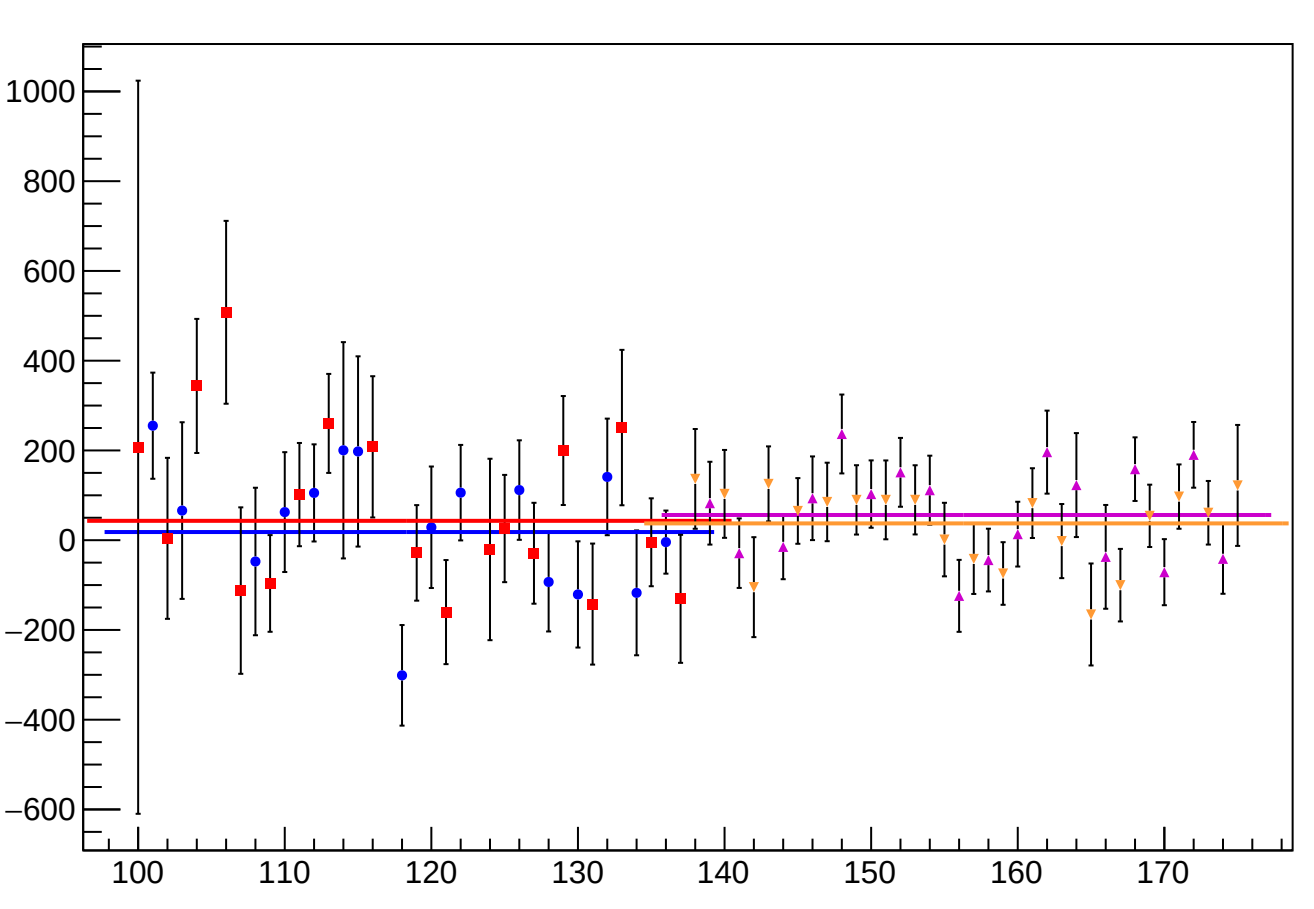
Left: 517.983+/-0.068 χ^2/NDF: 2286855.1/37

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 567.593+/-0.090 χ^2/NDF:3905968.2/33

Out: 574.745+/-0.089 χ^2/NDF:4117956.8/38

All: 571.219+/-0.063 χ^2/NDF: 8027141.5/72



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.158+/-18.929 χ^2/NDF:29.8/17

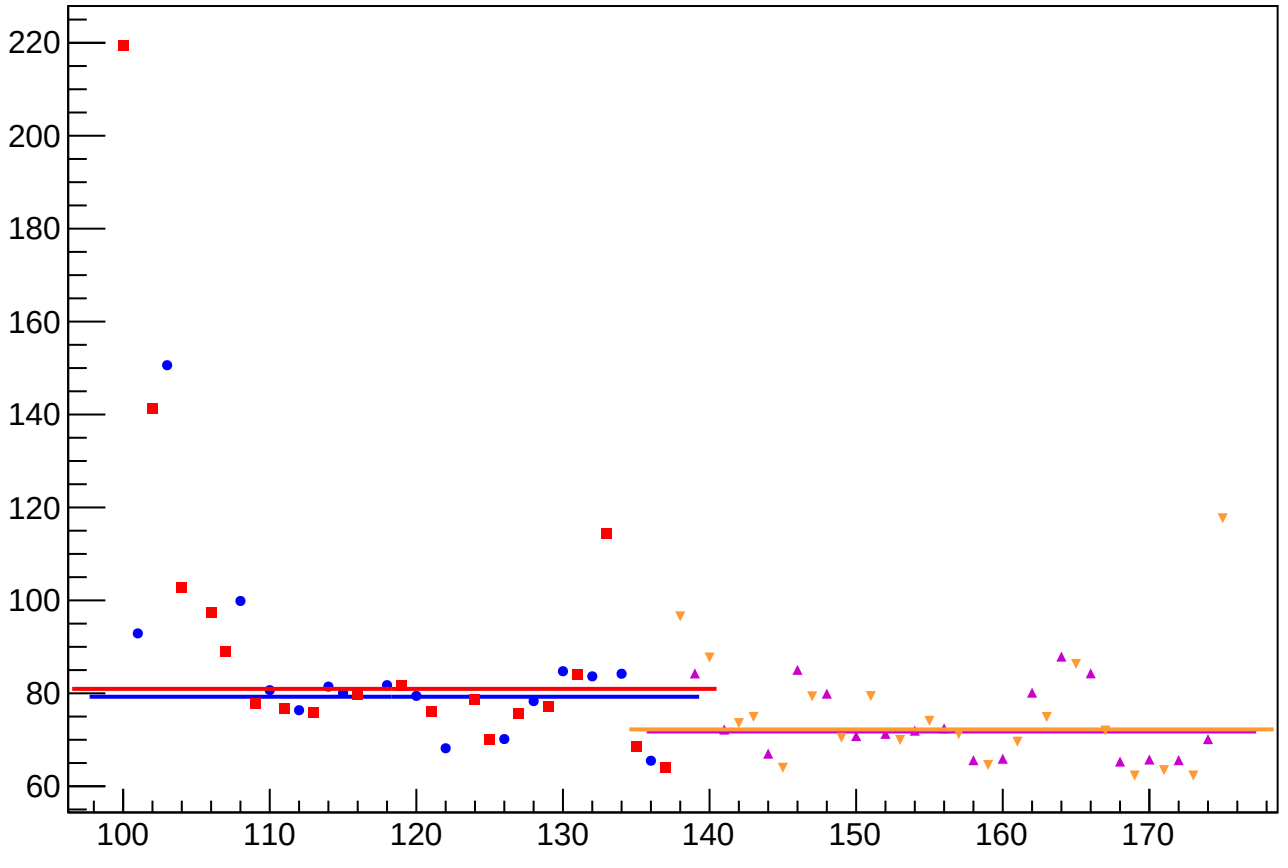
Left: 46.595+/-13.245 χ^2/NDF: 47.7/37

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 45.519+/-16.061 χ^2/NDF:51.1/33

Out: 38.951+/-15.872 χ^2/NDF:45.2/38

All: 42.196+/-11.289 χ^2/NDF: 96.3/72



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.232+/-0.013 χ^2/NDF:600756.9/19

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 71.781+/-0.013 χ^2/NDF:256149.9/17

Left: 72.011+/-0.009 χ^2/NDF: 857484.4/37

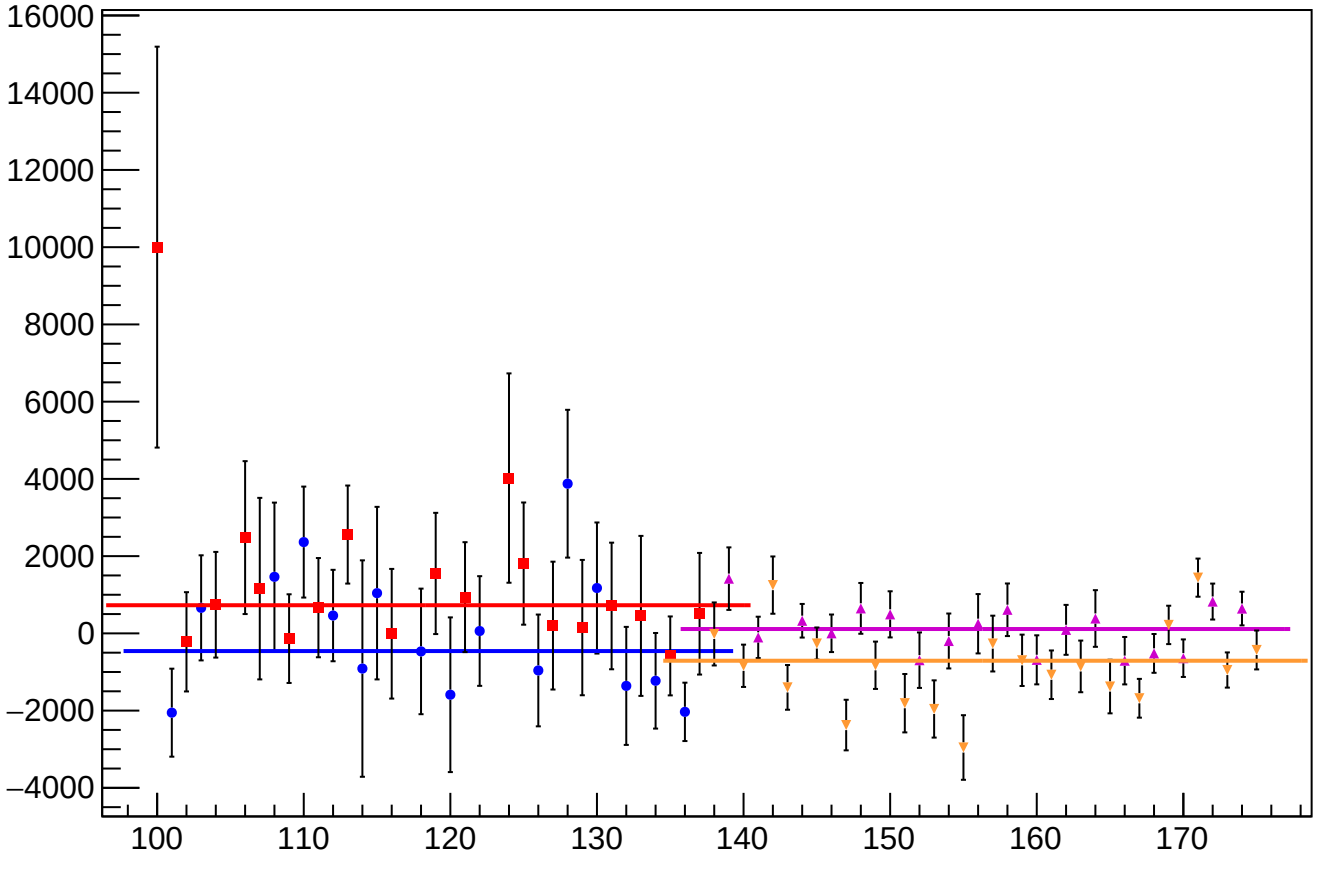
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 73.877+/-0.011 χ^2/NDF:788618.5/33

Out: 74.563+/-0.011 χ^2/NDF:1233314.9/38

All: 74.224+/-0.008 χ^2/NDF: 2023779.8/72

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -708.538+/-132.065 χ^2/NDF:57.5/19

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 112.772+/-135.008 χ^2/NDF:17.4/17

Left: -306.933+/-94.407 χ^2/NDF: 93.8/37

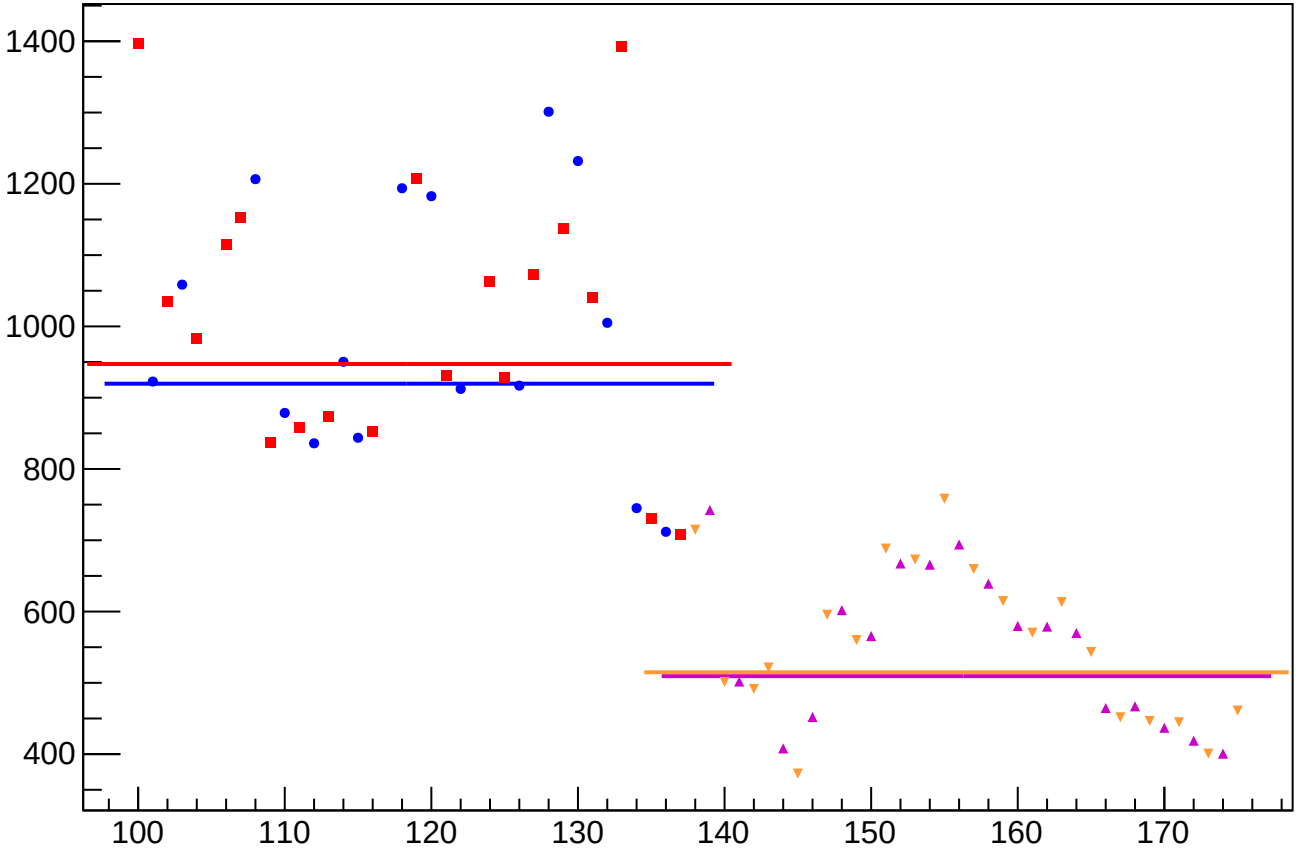
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 38.859+/-125.965 χ^2/NDF:40.0/33

Out: -531.692+/-123.673 χ^2/NDF:83.6/38

All: -251.654+/-88.249 χ^2/NDF: 134.1/72

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 514.831+/-0.093 χ^2/NDF:1211128.1/19

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 509.446+/-0.095 χ^2/NDF:1072116.7/17

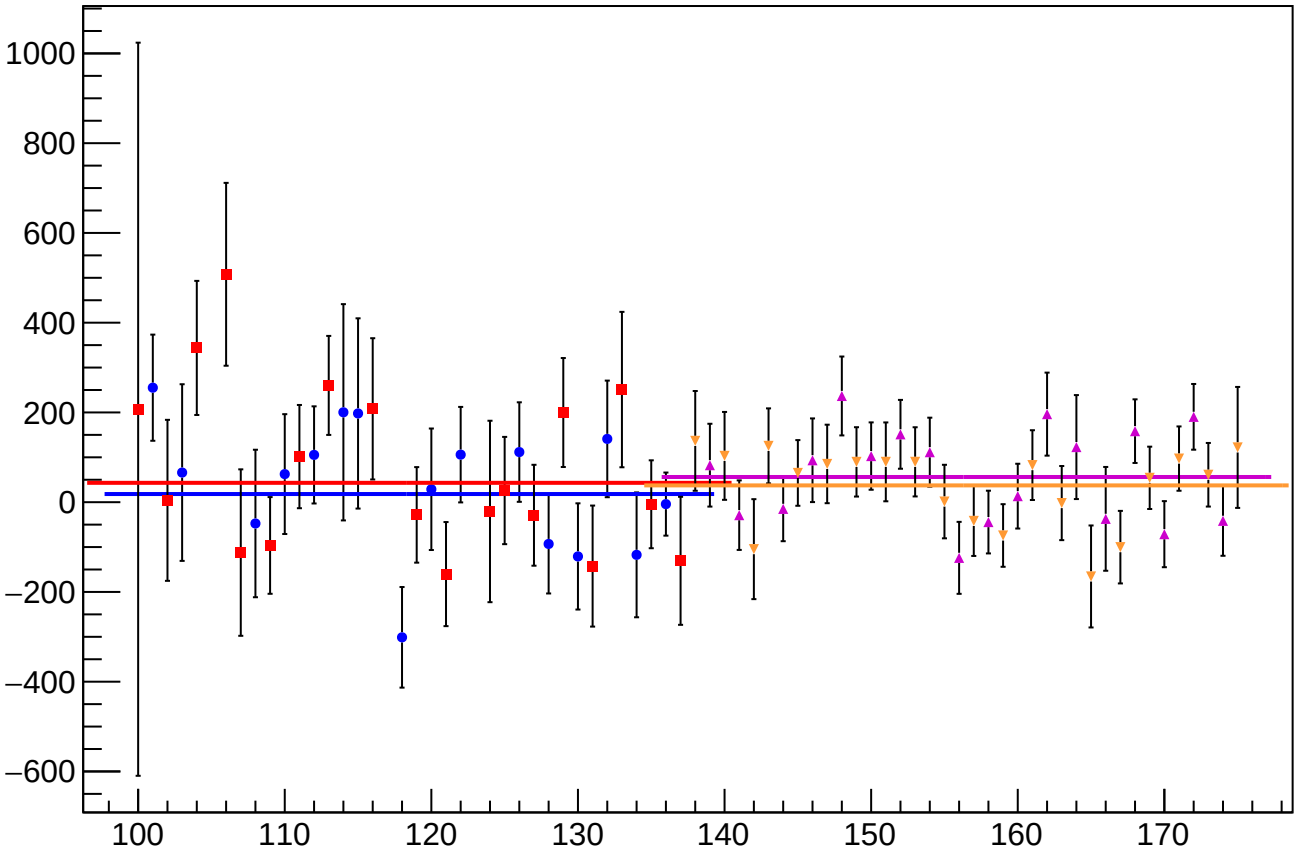
Left: 512.198+/-0.067 χ^2/NDF: 2284870.5/37

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 562.555+/-0.089 χ^2/NDF:3977930.3/33

Out: 568.039+/-0.087 χ^2/NDF:4275231.4/38

All: 565.347+/-0.062 χ^2/NDF: 8255091.9/72



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.157+/-18.929 χ^2/NDF:29.8/17

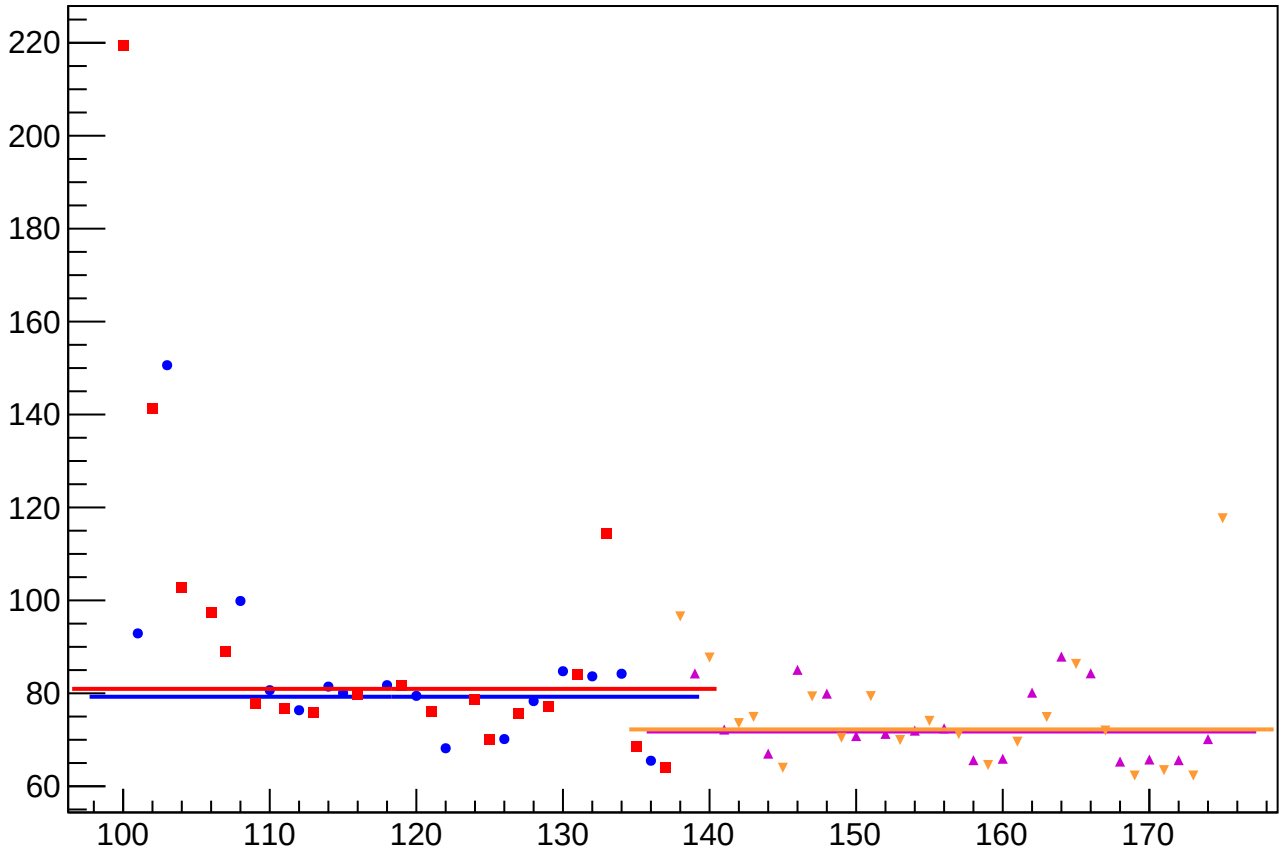
Left: 46.595+/-13.245 χ^2/NDF: 47.7/37

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 45.518+/-16.061 χ^2/NDF:51.1/33

Out: 38.951+/-15.872 χ^2/NDF:45.1/38

All: 42.196+/-11.289 χ^2/NDF: 96.3/72



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.232+/-0.013 χ^2/NDF:600754.9/19

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 71.782+/-0.013 χ^2/NDF:256153.5/17

Left: 72.011+/-0.009 χ^2/NDF: 857486.0/37

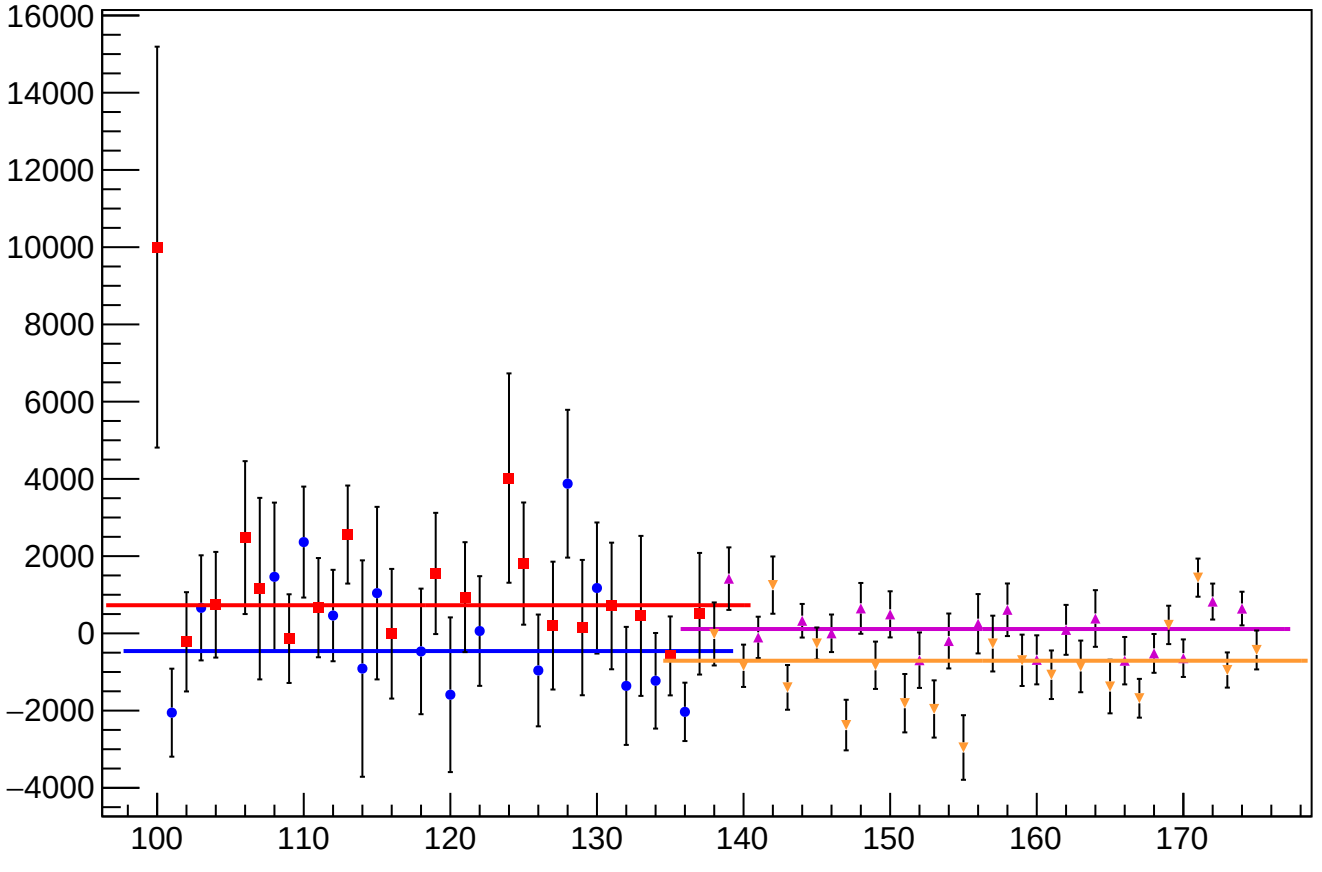
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 73.877+/-0.011 χ^2/NDF:788608.0/33

Out: 74.563+/-0.011 χ^2/NDF:1233310.1/38

All: 74.224+/-0.008 χ^2/NDF: 2023764.5/72

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -708.537+/-132.064 χ^2/NDF:57.5/19

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 112.771+/-135.008 χ^2/NDF:17.4/17

Left: -306.934+/-94.407 χ^2/NDF: 93.8/37

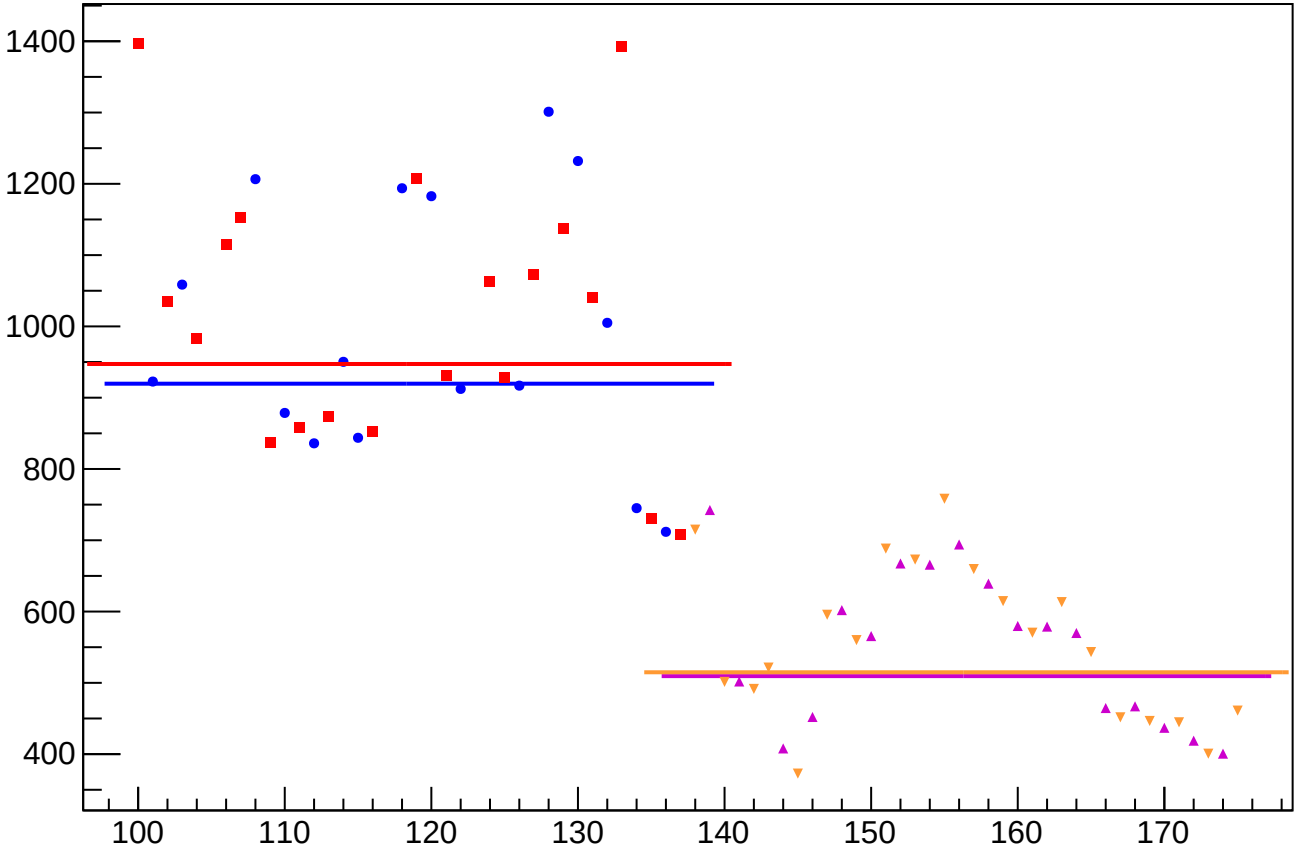
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 38.858+/-125.965 χ^2/NDF:40.0/33

Out: -531.691+/-123.673 χ^2/NDF:83.6/38

All: -251.654+/-88.249 χ^2/NDF: 134.1/72

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 514.830+/-0.093 χ^2/NDF:1211131.0/19

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 509.445+/-0.095 χ^2/NDF:1072116.6/17

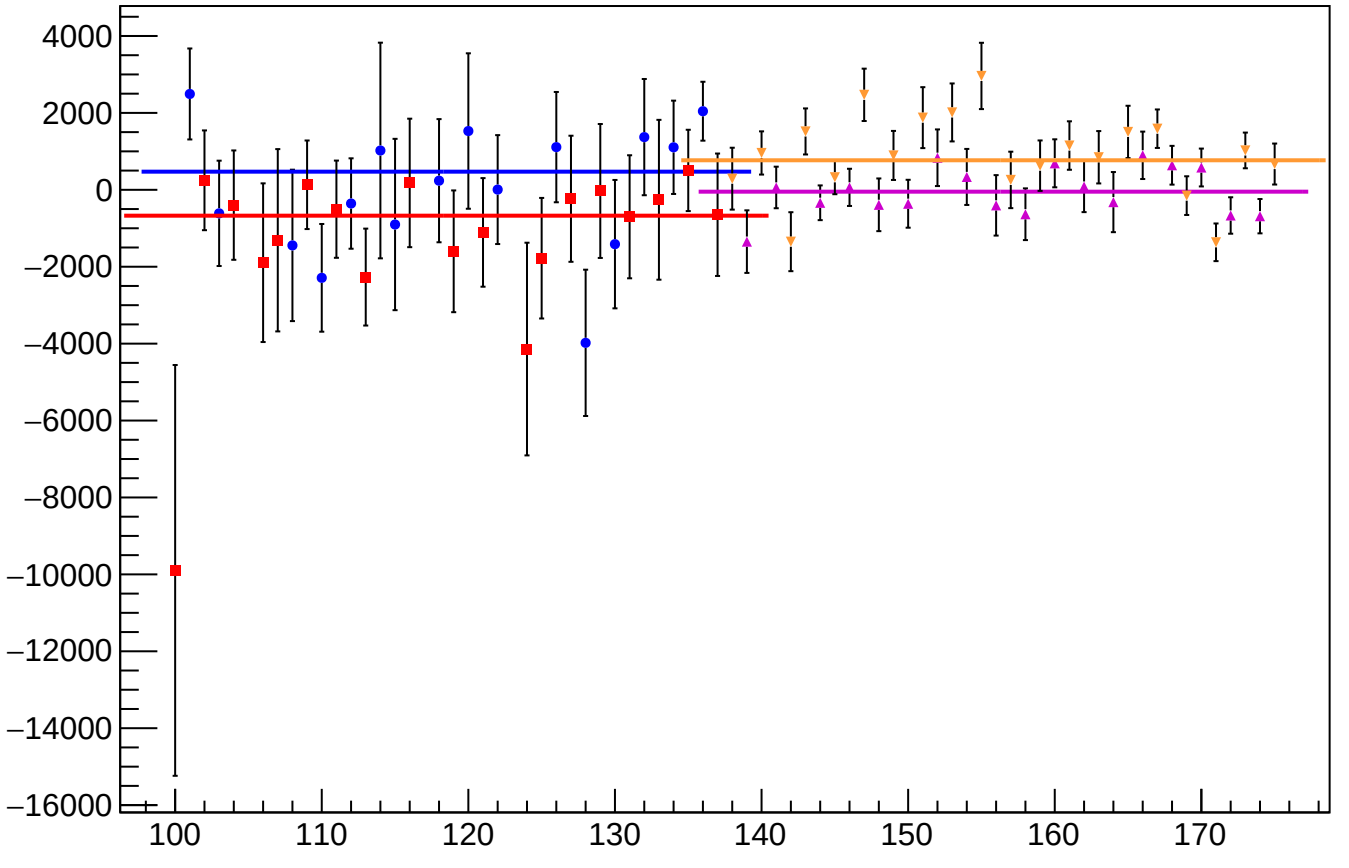
Left: 512.197+/-0.067 χ^2/NDF: 2284873.3/37

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 562.554+/-0.089 χ^2/NDF:3977926.2/33

Out: 568.038+/-0.087 χ^2/NDF:4275230.6/38

All: 565.346+/-0.062 χ^2/NDF: 8255086.9/72



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 768.019+/-134.868 χ^2/NDF:55.6/19

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -48.351+/-137.339 χ^2/NDF:17.4/17

Left: 367.243+/-96.228 χ^2/NDF: 90.9/37

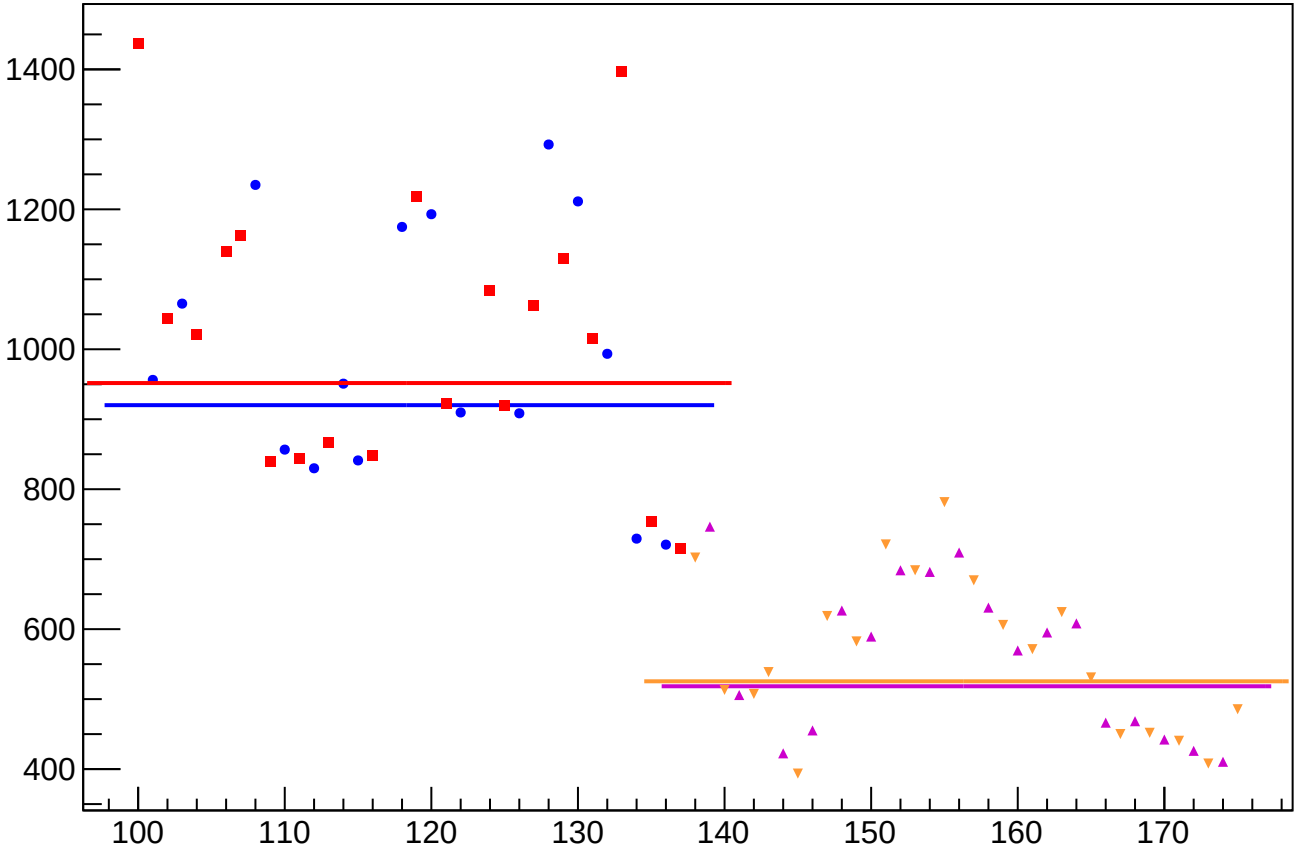
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 20.953+/-127.867 χ^2/NDF:40.8/33

Out: 585.887+/-126.055 χ^2/NDF:80.3/38

All: 307.452+/-89.768 χ^2/NDF: 131.0/72

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.470+/-0.095 χ^2/NDF:1167899.6/19

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.371+/-0.097 χ^2/NDF:1075576.0/17

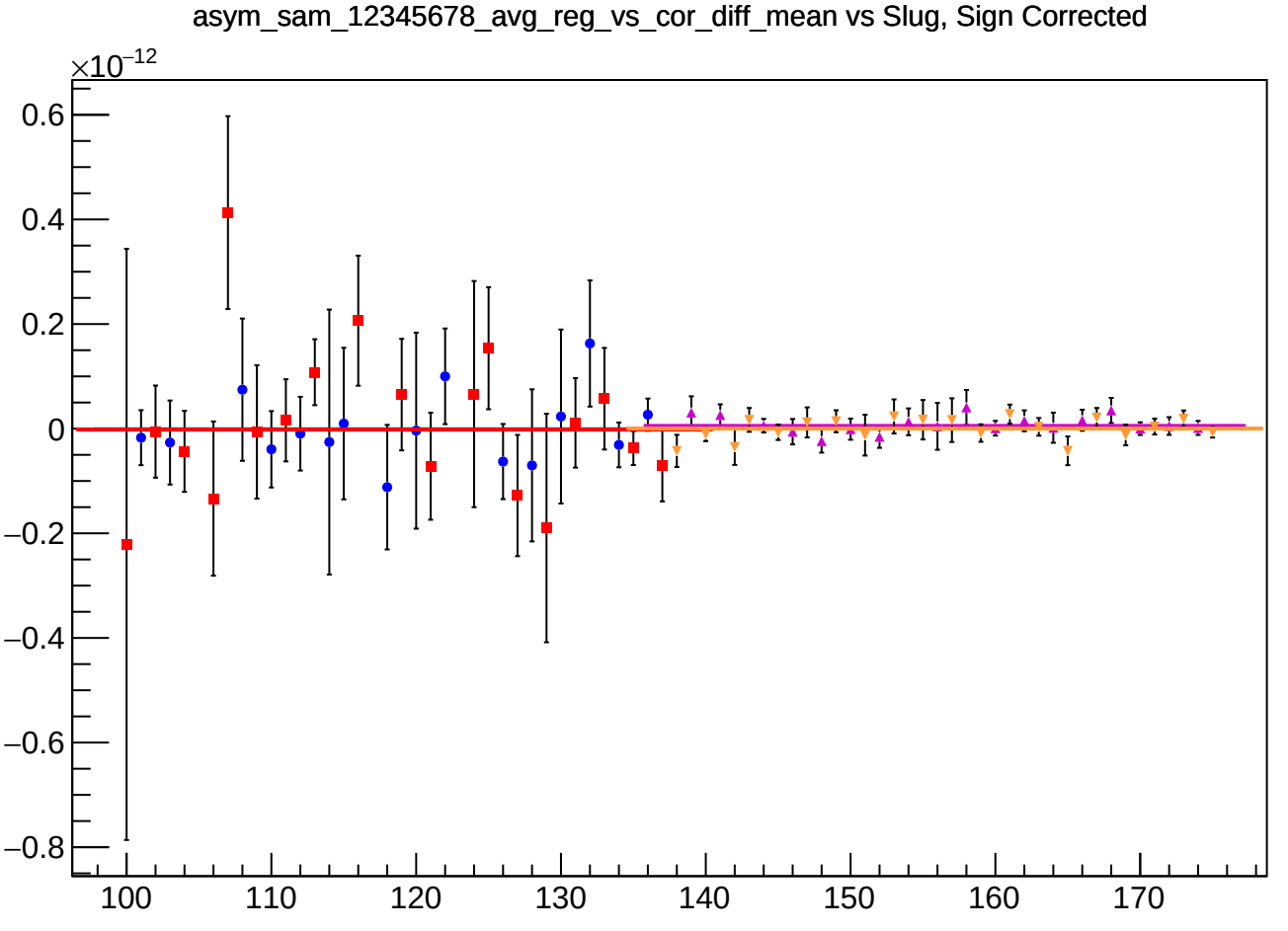
Left: 521.985+/-0.068 χ^2/NDF: 2246195.6/37

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 571.878+/-0.090 χ^2/NDF:3863600.3/33

Out: 579.362+/-0.089 χ^2/NDF:4109857.3/38

All: 575.673+/-0.063 χ^2/NDF: 7976932.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/17

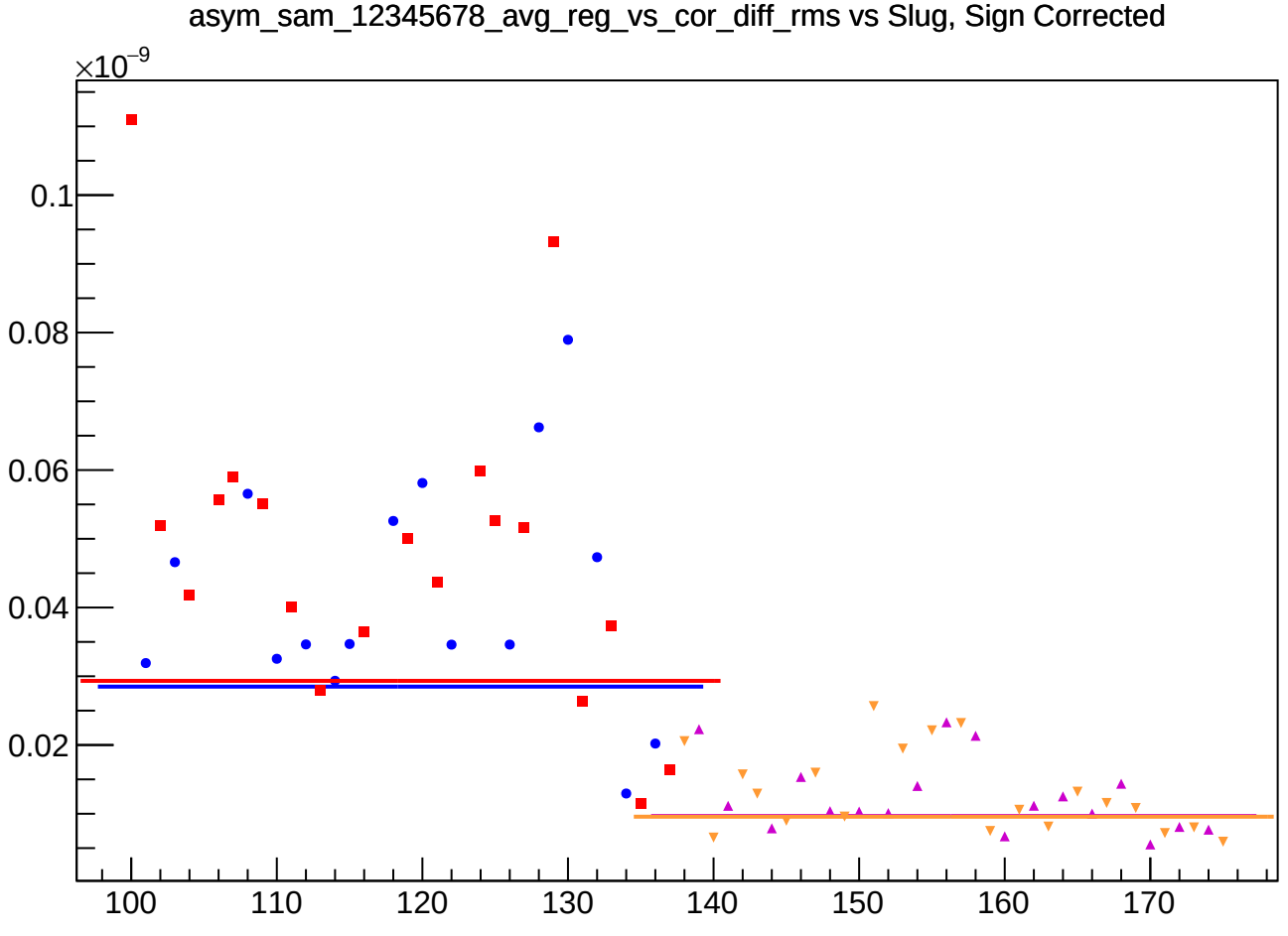
Left: 0.000+/-0.000 χ^2/NDF: 23.6/37

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.5/33

Out: 0.000+/-0.000 χ^2/NDF:34.1/38

All: 0.000+/-0.000 χ^2/NDF: 50.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1977949.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1472207.8/17

Left: 0.000+/-0.000 χ^2/NDF: 3450721.4/37

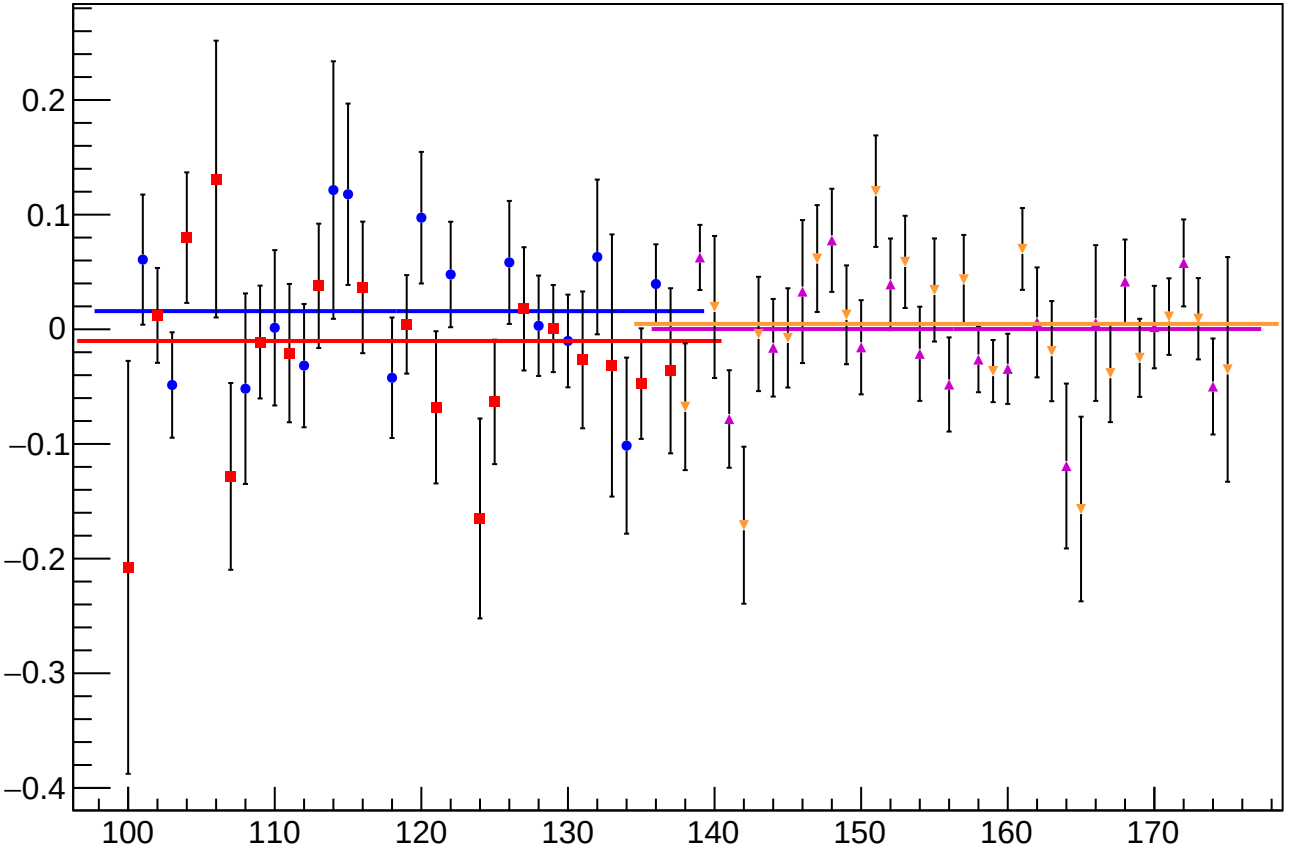
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4746167.4/33

Out: 0.000+/-0.000 χ^2/NDF:5632493.9/38

All: 0.000+/-0.000 χ^2/NDF: 10384657.8/72

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.002+/-0.007 χ^2/NDF: 55.3/37

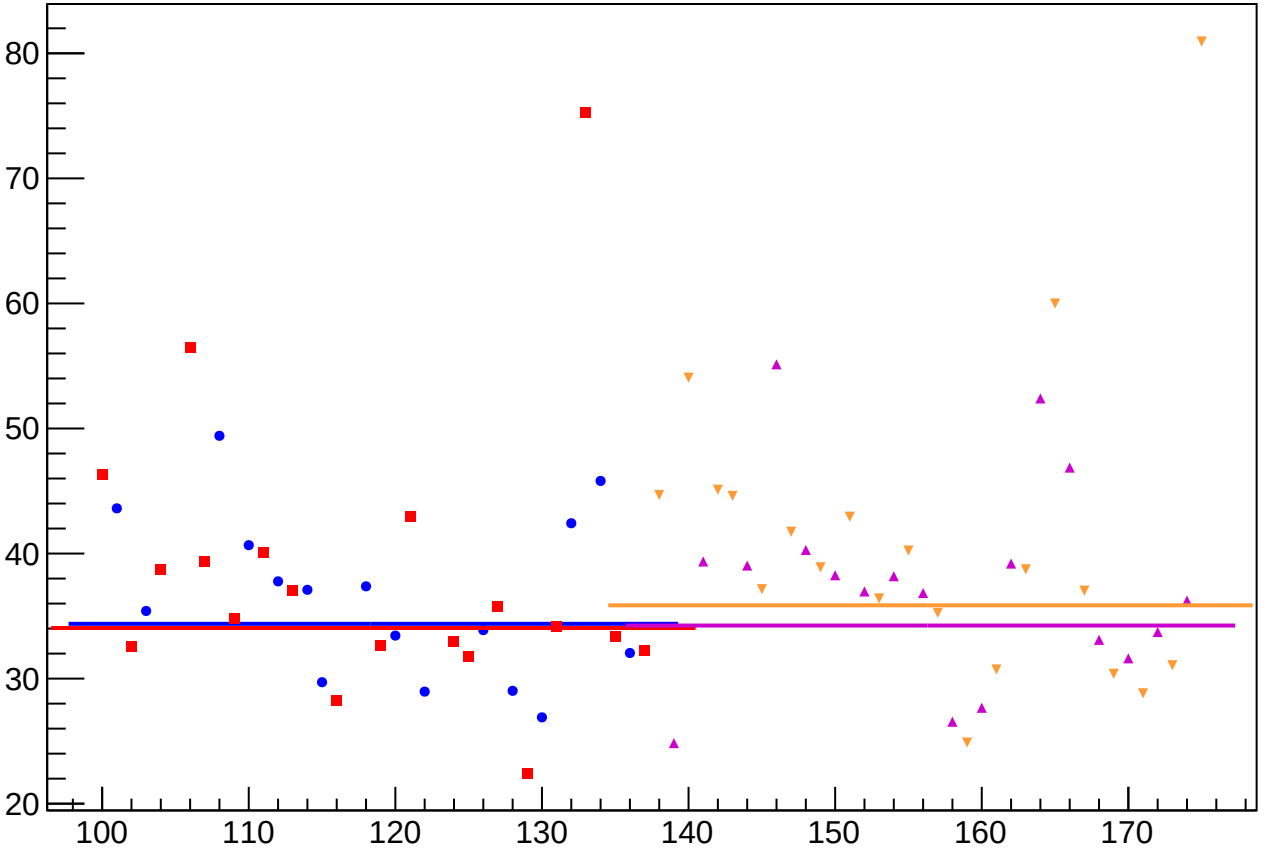
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.002+/-0.005 χ^2/NDF: 87.1/72

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587589.3/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

Left: 35.036+/-0.005 χ^2/NDF: 2679120.1/37

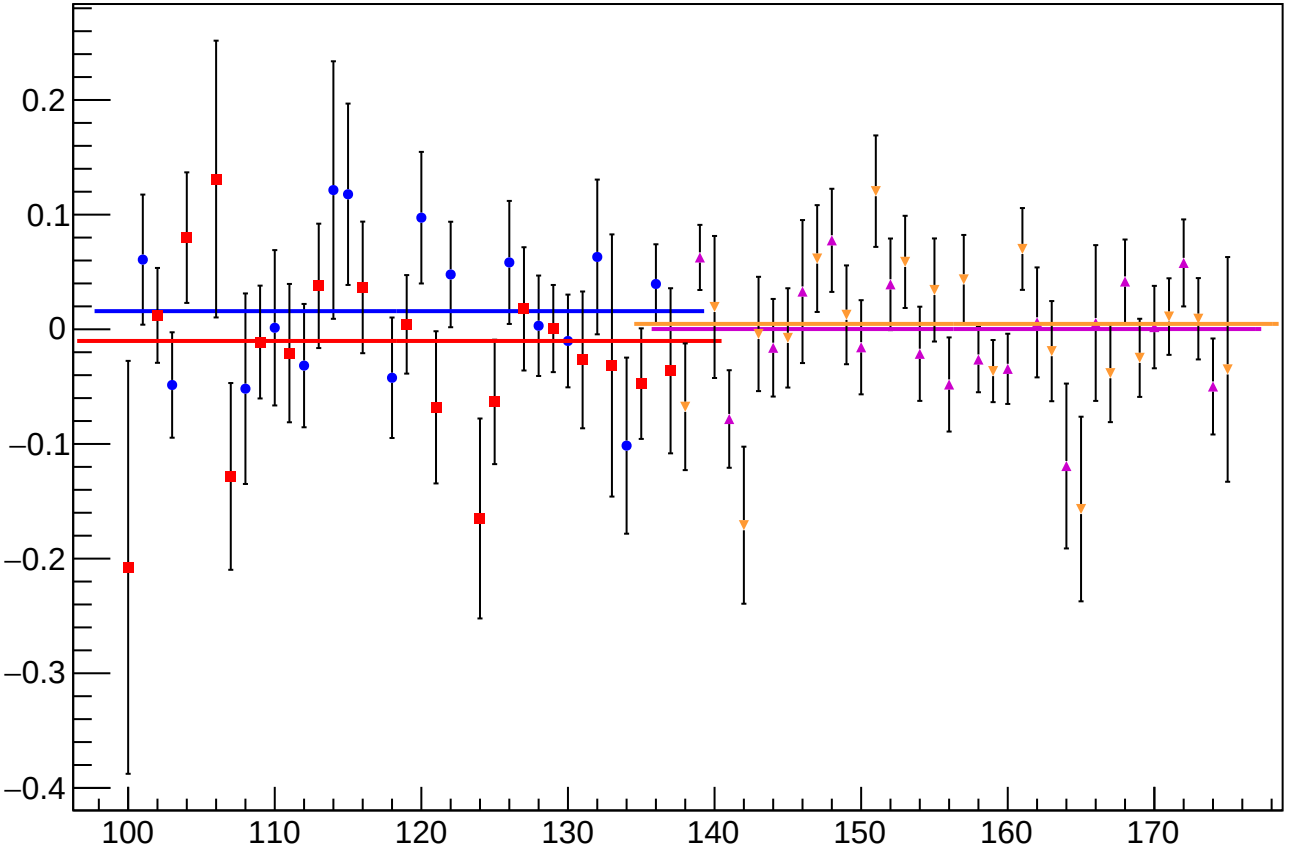
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.289+/-0.005 χ^2/NDF:1430245.9/33

Out: 35.239+/-0.005 χ^2/NDF:2255080.9/38

All: 34.760+/-0.004 χ^2/NDF: 3700538.1/72

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.002+/-0.007 χ^2/NDF: 55.3/37

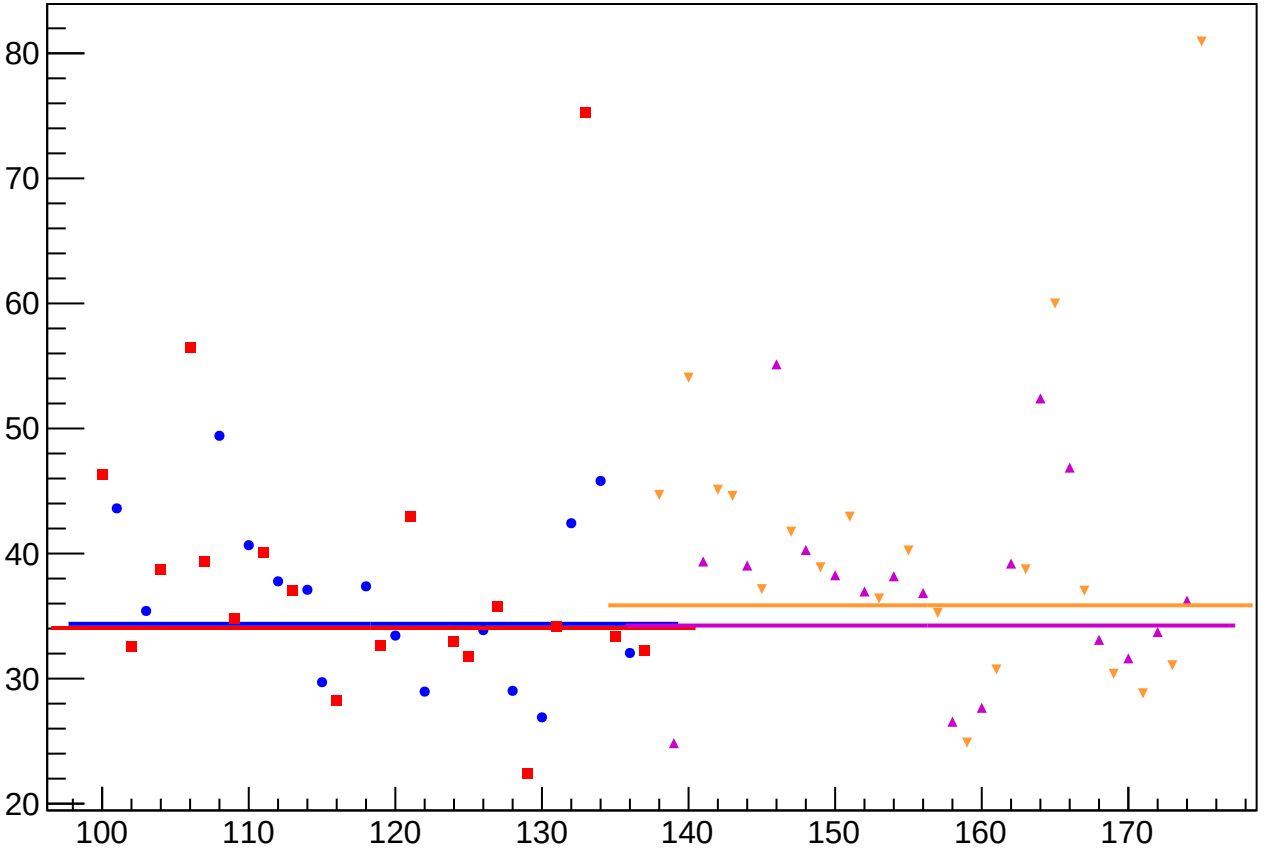
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.002+/-0.005 χ^2/NDF: 87.1/72

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587589.3/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

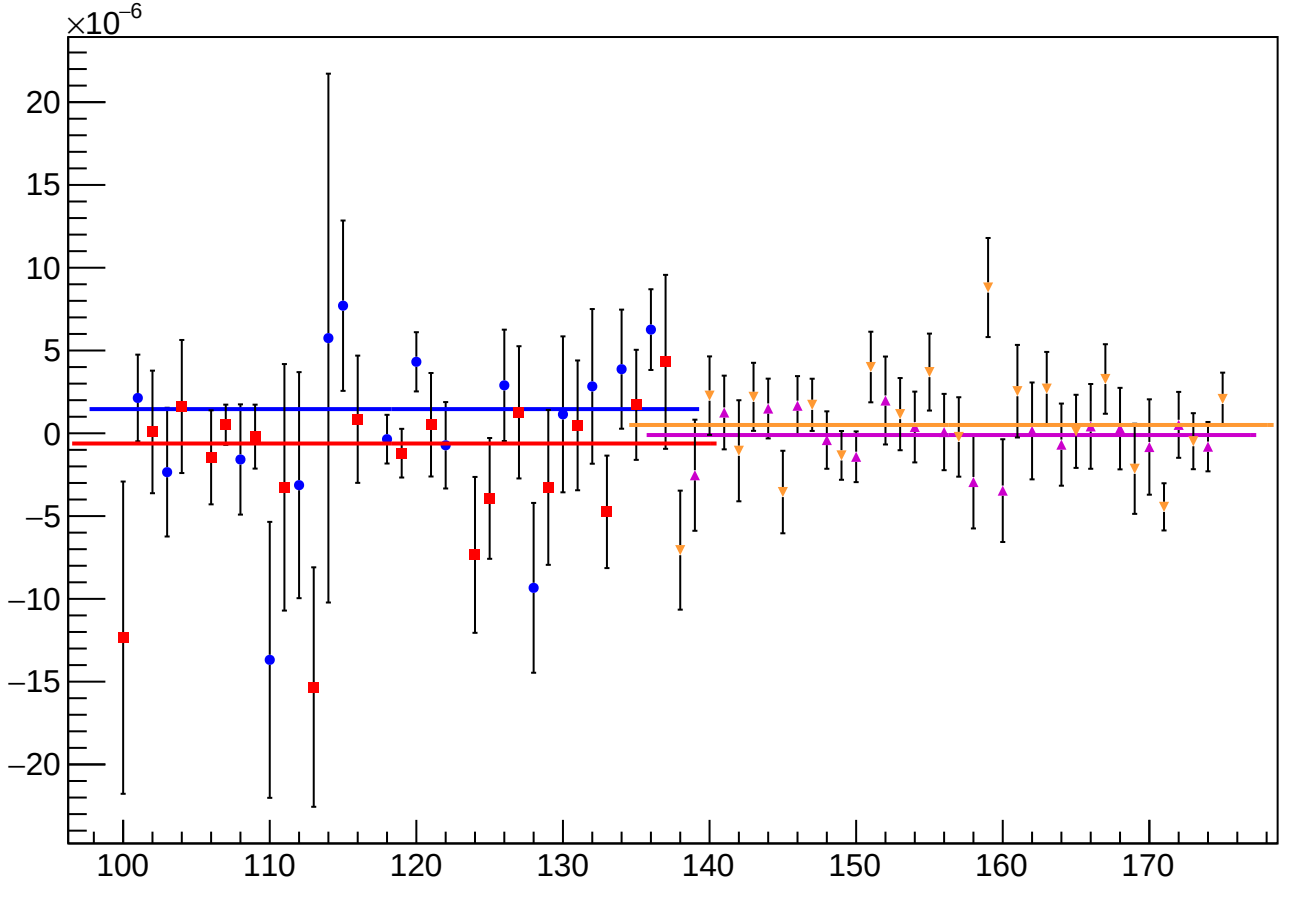
Left: 35.036+/-0.005 χ^2/NDF: 2679120.1/37

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.289+/-0.005 χ^2/NDF:1430245.9/33

Out: 35.239+/-0.005 χ^2/NDF:2255080.9/38

All: 34.760+/-0.004 χ^2/NDF: 3700538.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/17

Left: 0.000+/-0.000 χ^2/NDF: 48.4/37

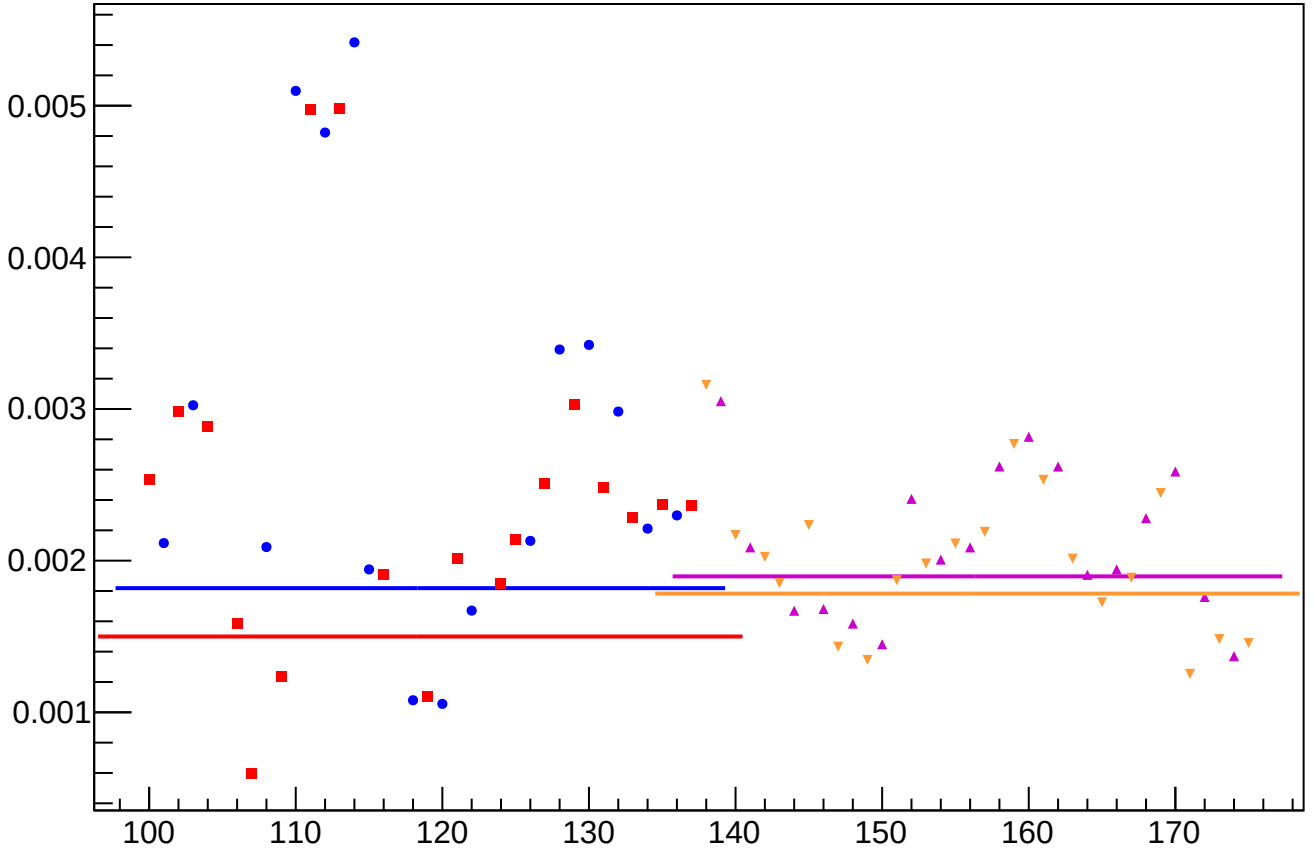
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:30.8/33

Out: 0.000+/-0.000 χ^2/NDF:56.7/38

All: 0.000+/-0.000 χ^2/NDF: 87.7/72

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751121.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1496162.4/17

Left: 0.002+/-0.000 χ^2/NDF: 3301889.2/37

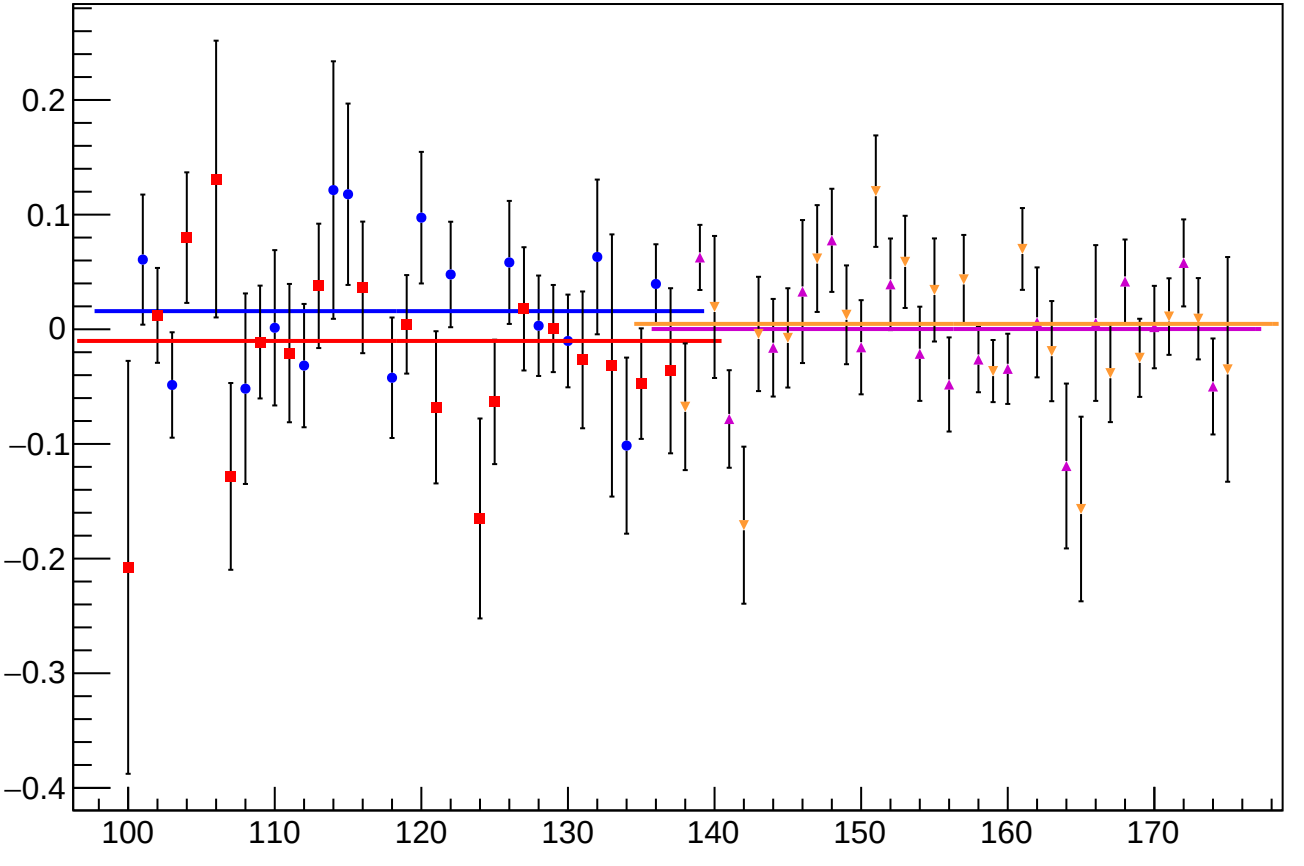
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4081049.1/33

Out: 0.002+/-0.000 χ^2/NDF:5693755.4/38

All: 0.002+/-0.000 χ^2/NDF: 9989952.8/72

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.002+/-0.007 χ^2/NDF: 55.3/37

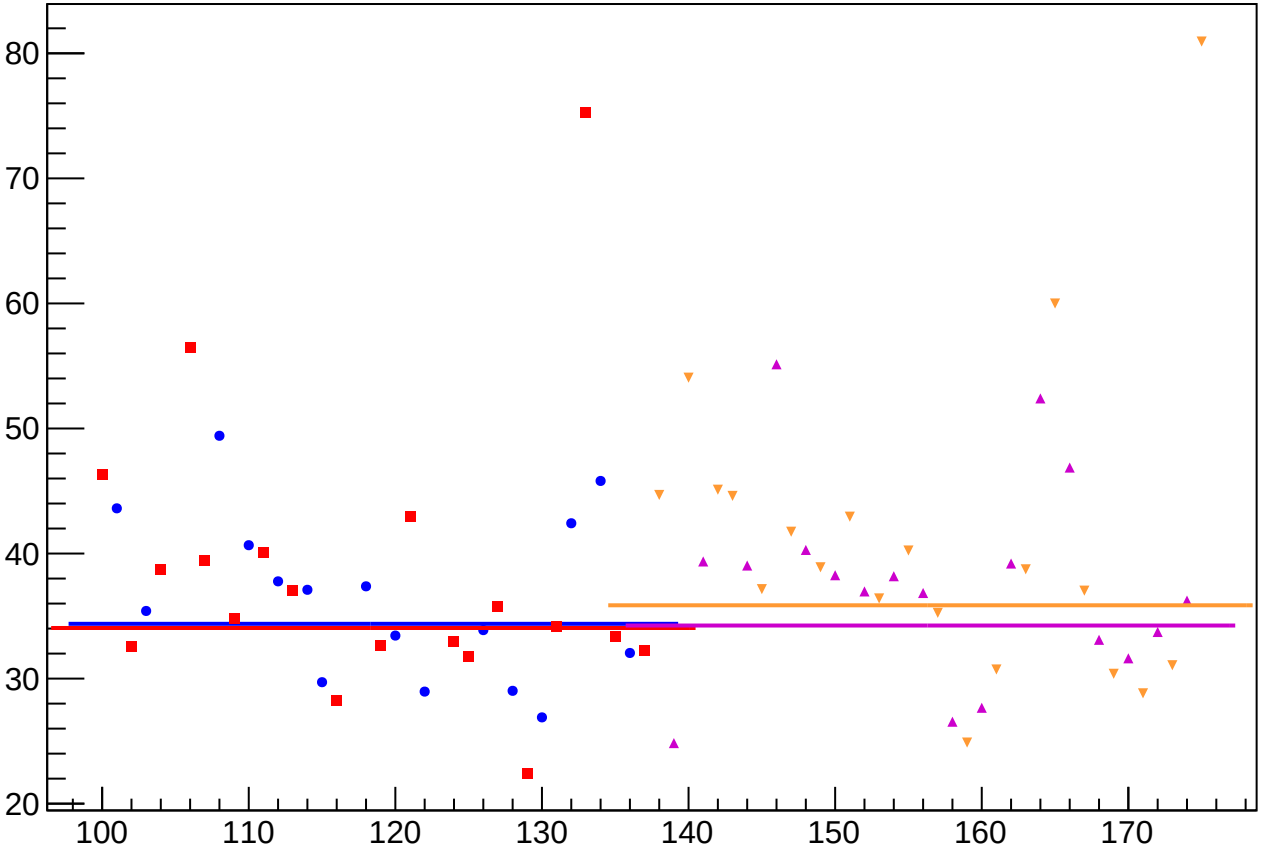
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.002+/-0.005 χ^2/NDF: 87.1/72

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587650.8/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.244+/-0.007 χ^2/NDF:1062290.2/17

Left: 35.037+/-0.005 χ^2/NDF: 2679248.6/37

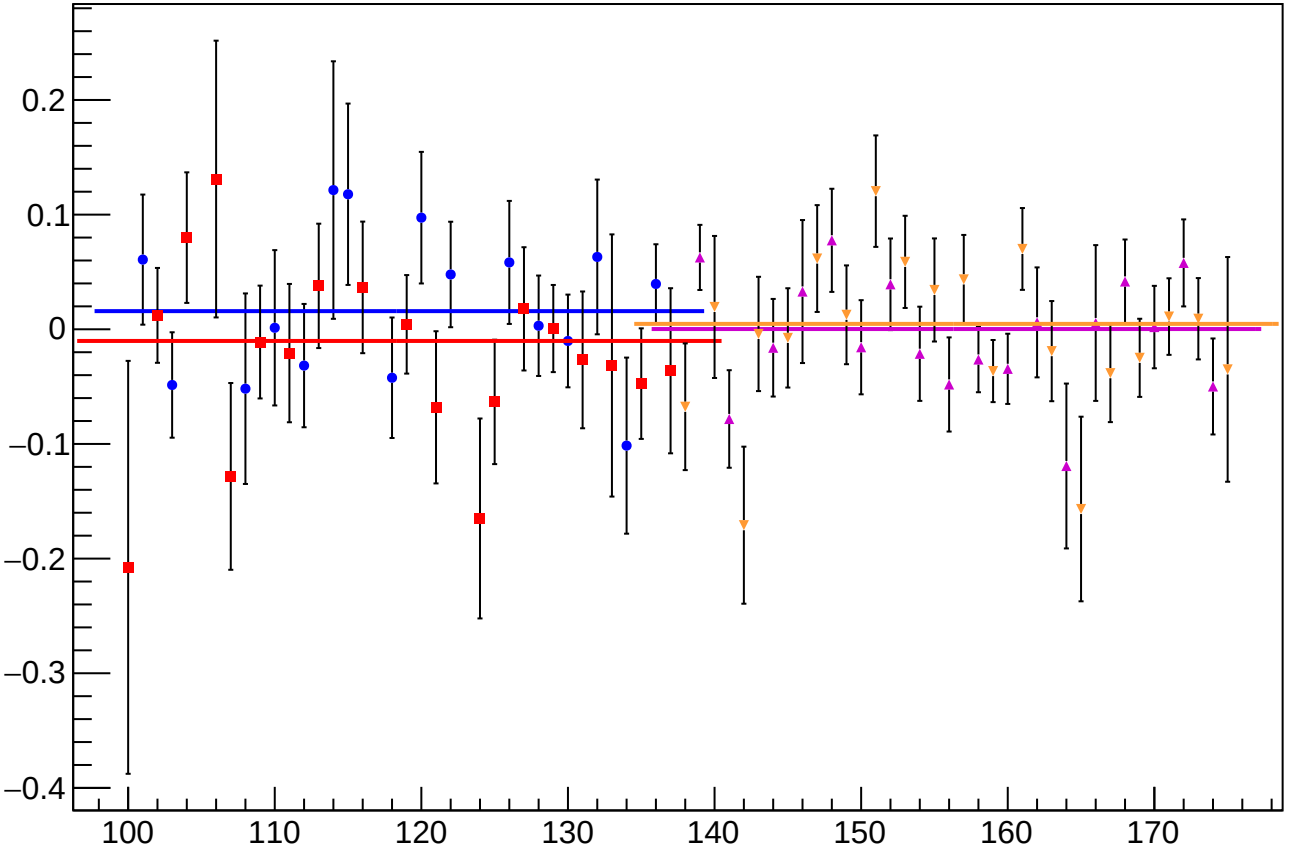
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.289+/-0.005 χ^2/NDF:1430371.0/33

Out: 35.239+/-0.005 χ^2/NDF:2255207.3/38

All: 34.760+/-0.004 χ^2/NDF: 3700789.5/72

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.002+/-0.007 χ^2/NDF: 55.3/37

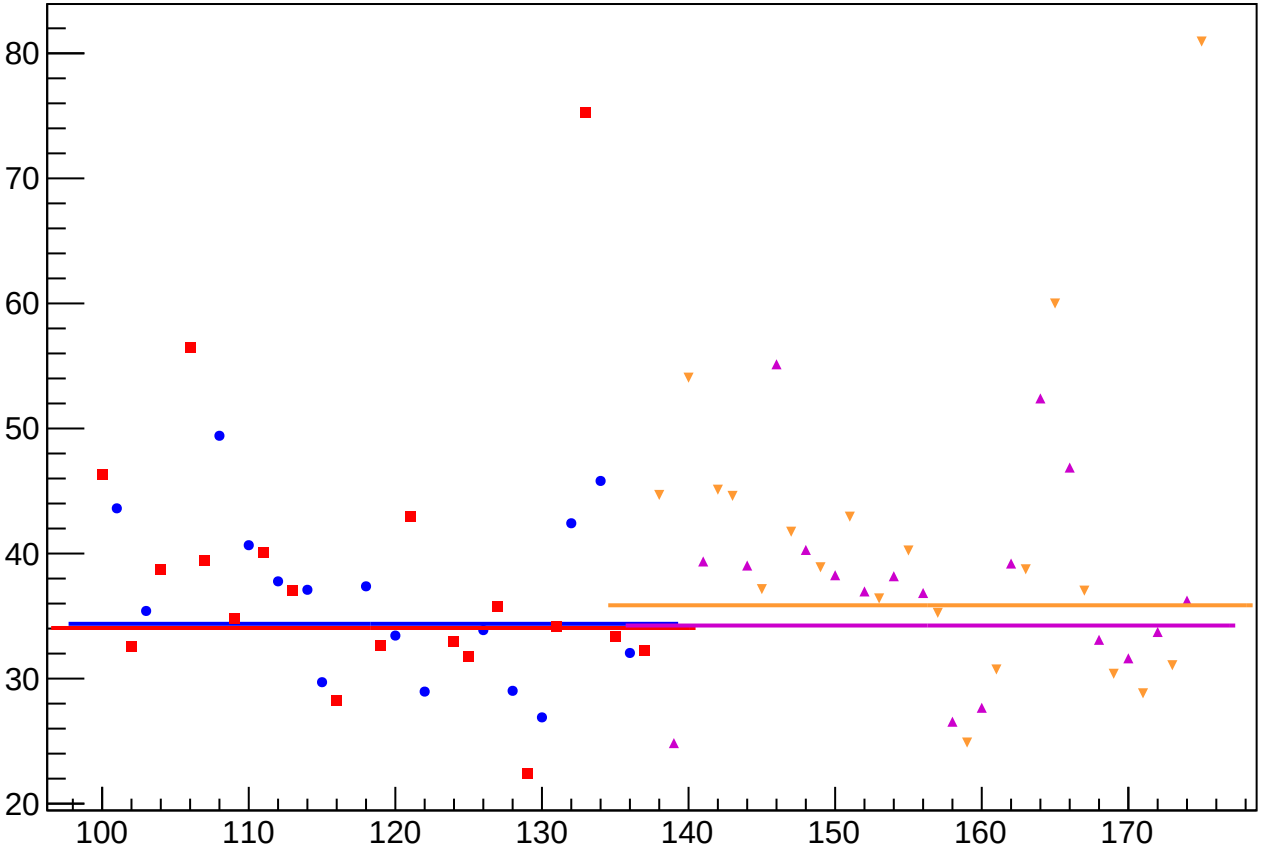
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.002+/-0.005 χ^2/NDF: 87.1/72

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.862+/-0.007 χ^2/NDF:1587650.8/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.244+/-0.007 χ^2/NDF:1062290.2/17

Left: 35.037+/-0.005 χ^2/NDF: 2679248.6/37

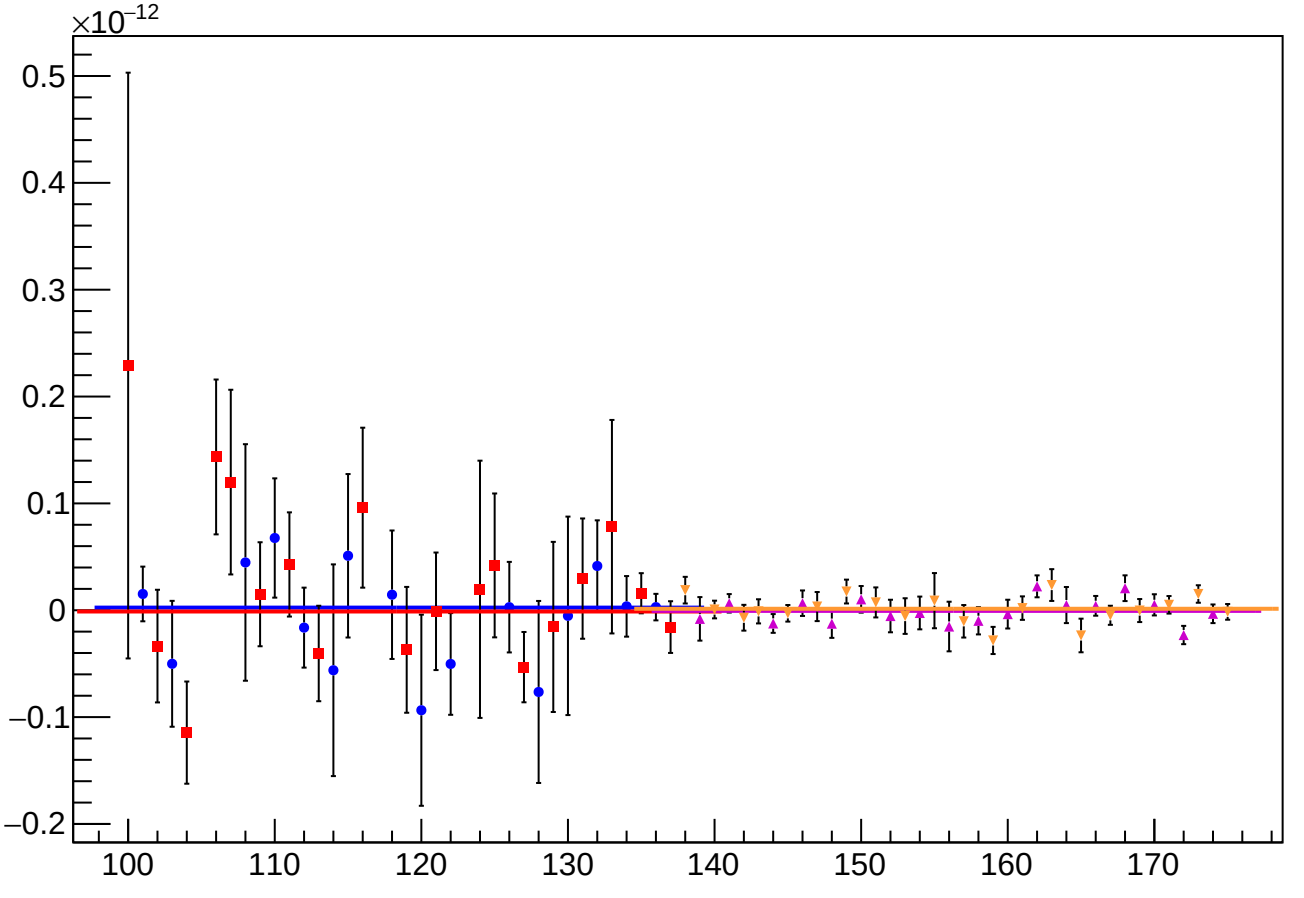
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.289+/-0.005 χ^2/NDF:1430371.0/33

Out: 35.239+/-0.005 χ^2/NDF:2255207.3/38

All: 34.760+/-0.004 χ^2/NDF: 3700789.5/72

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/17

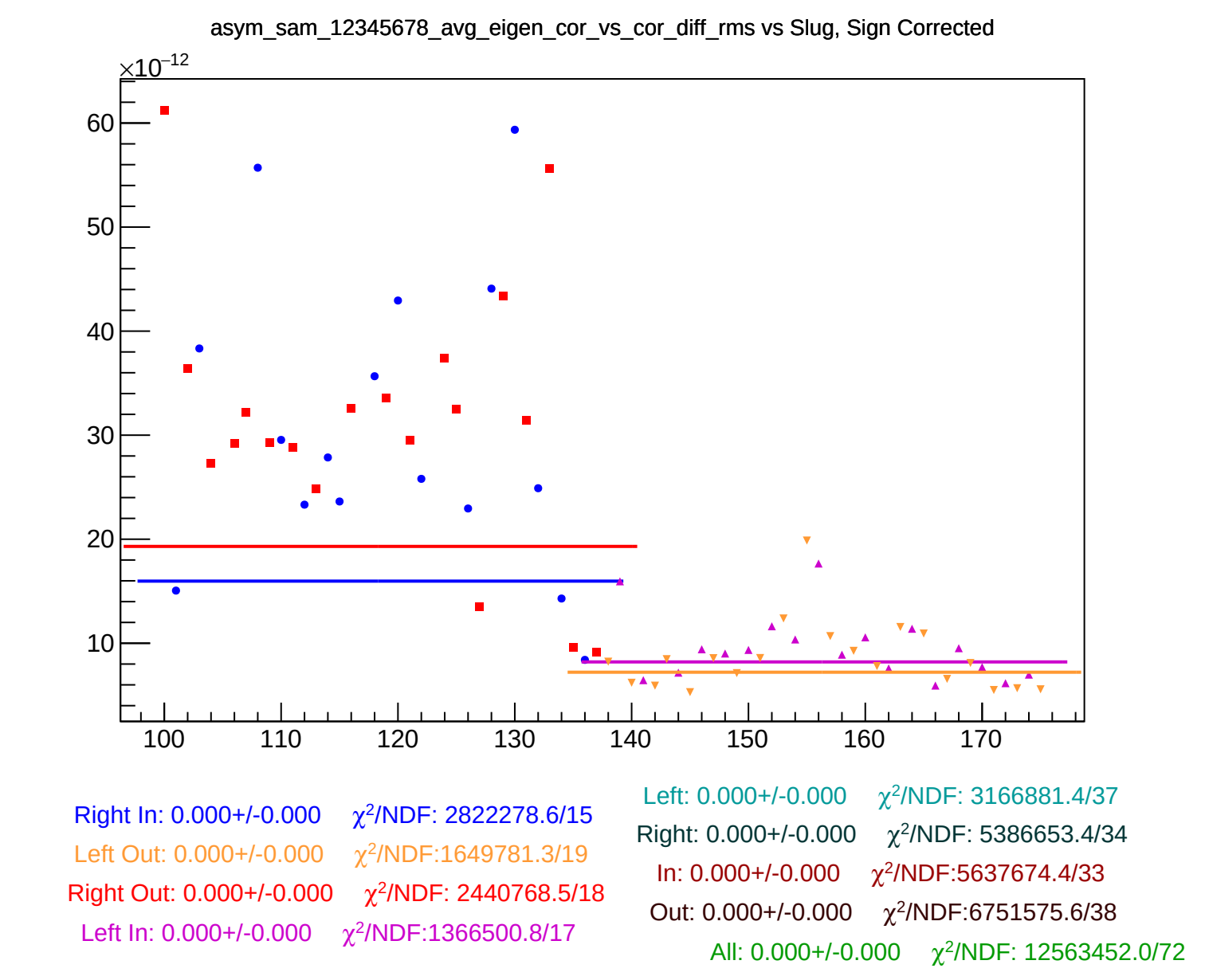
Left: 0.000+/-0.000 χ^2/NDF: 41.6/37

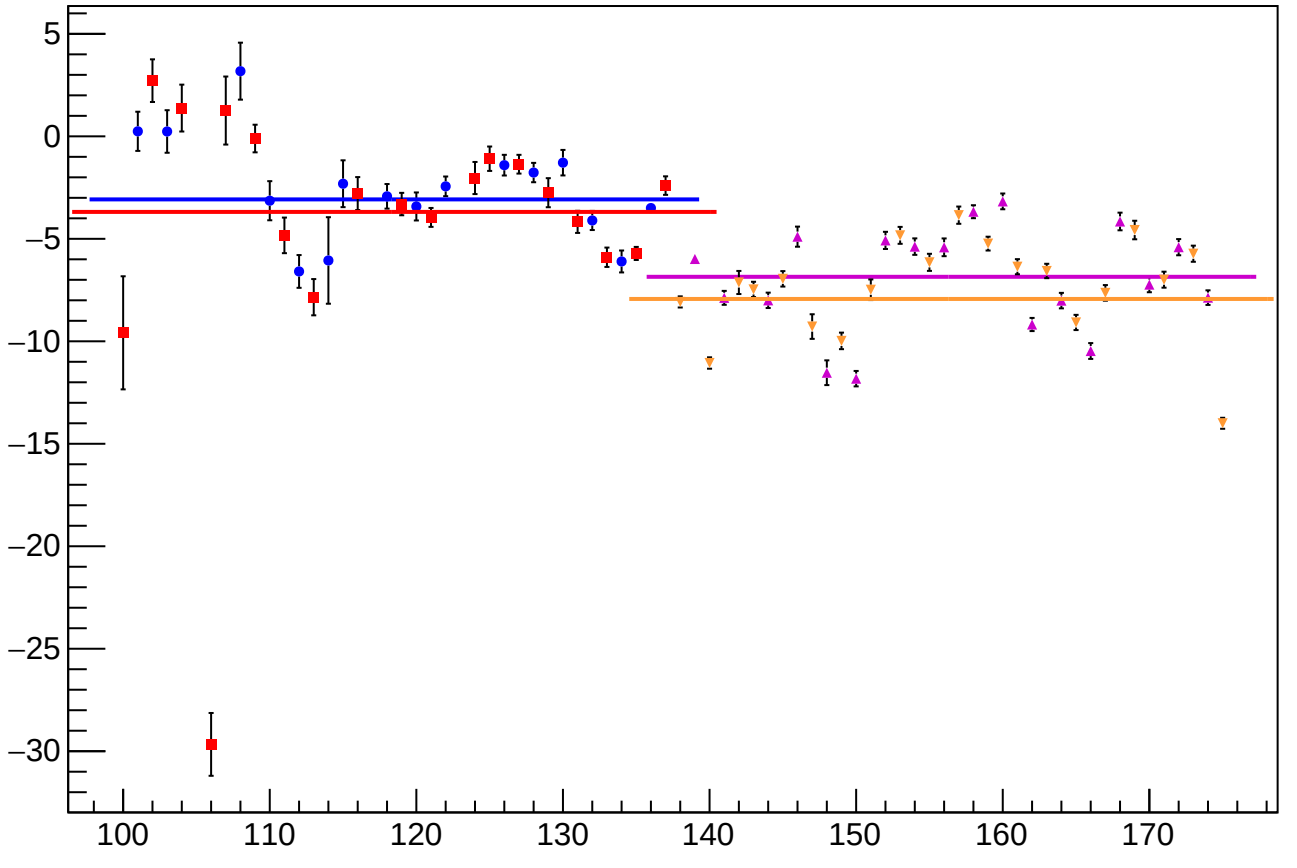
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:29.3/33

Out: 0.000+/-0.000 χ^2/NDF:41.4/38

All: 0.000+/-0.000 χ^2/NDF: 70.9/72


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1649781.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1366500.8/17
Left: 0.000+/-0.000 χ²/NDF: 3166881.4/37
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5637674.4/33
Out: 0.000+/-0.000 χ²/NDF:6751575.6/38
All: 0.000+/-0.000 χ²/NDF: 12563452.0/72



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.934+/-0.083 χ^2/NDF:1049.4/19

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.853+/-0.087 χ^2/NDF:728.3/17

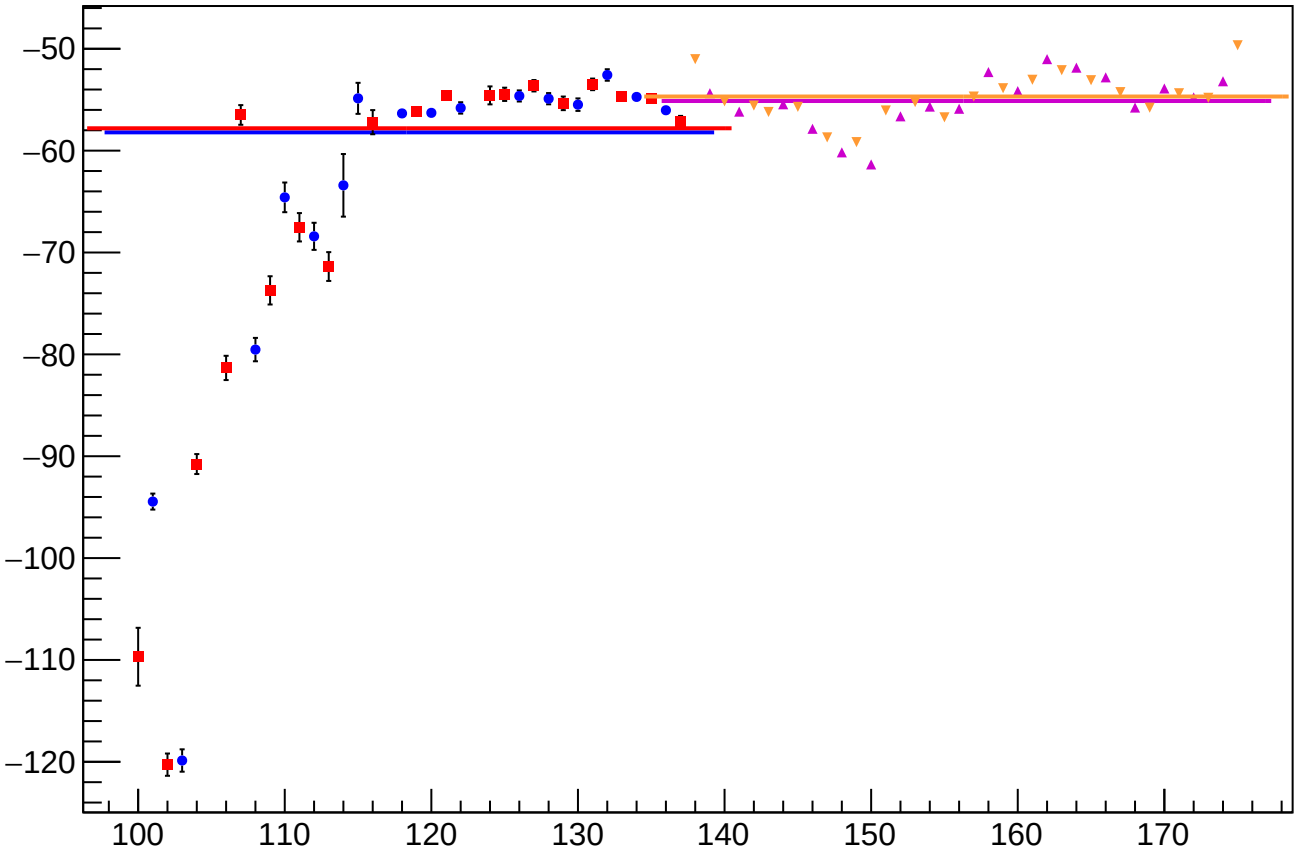
Left: -7.419+/-0.060 χ^2/NDF: 1858.0/37

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.743+/-0.073 χ^2/NDF:1412.7/33

Out: -6.827+/-0.072 χ^2/NDF:2262.6/38

All: -6.298+/-0.051 χ^2/NDF: 3787.2/72



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.686+/-0.063 χ^2/NDF:1355.8/19

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.127+/-0.067 χ^2/NDF:1724.7/17

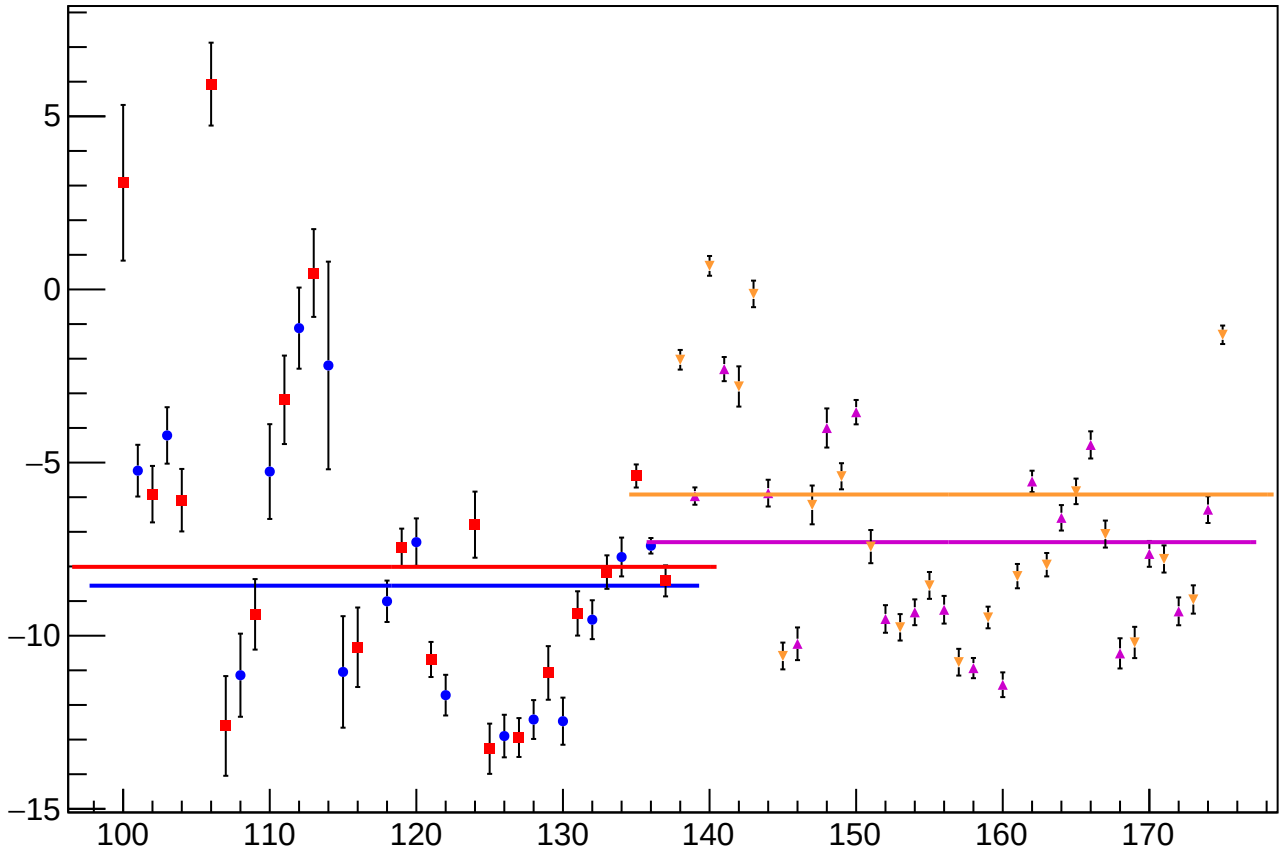
Left: -54.893+/-0.046 χ^2/NDF: 3103.8/37

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.726+/-0.060 χ^2/NDF:8266.7/33

Out: -55.216+/-0.057 χ^2/NDF:7569.2/38

All: -55.459+/-0.041 χ^2/NDF: 15874.0/72



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.922+/-0.082 χ^2/NDF:2125.7/19

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.298+/-0.086 χ^2/NDF:978.6/17

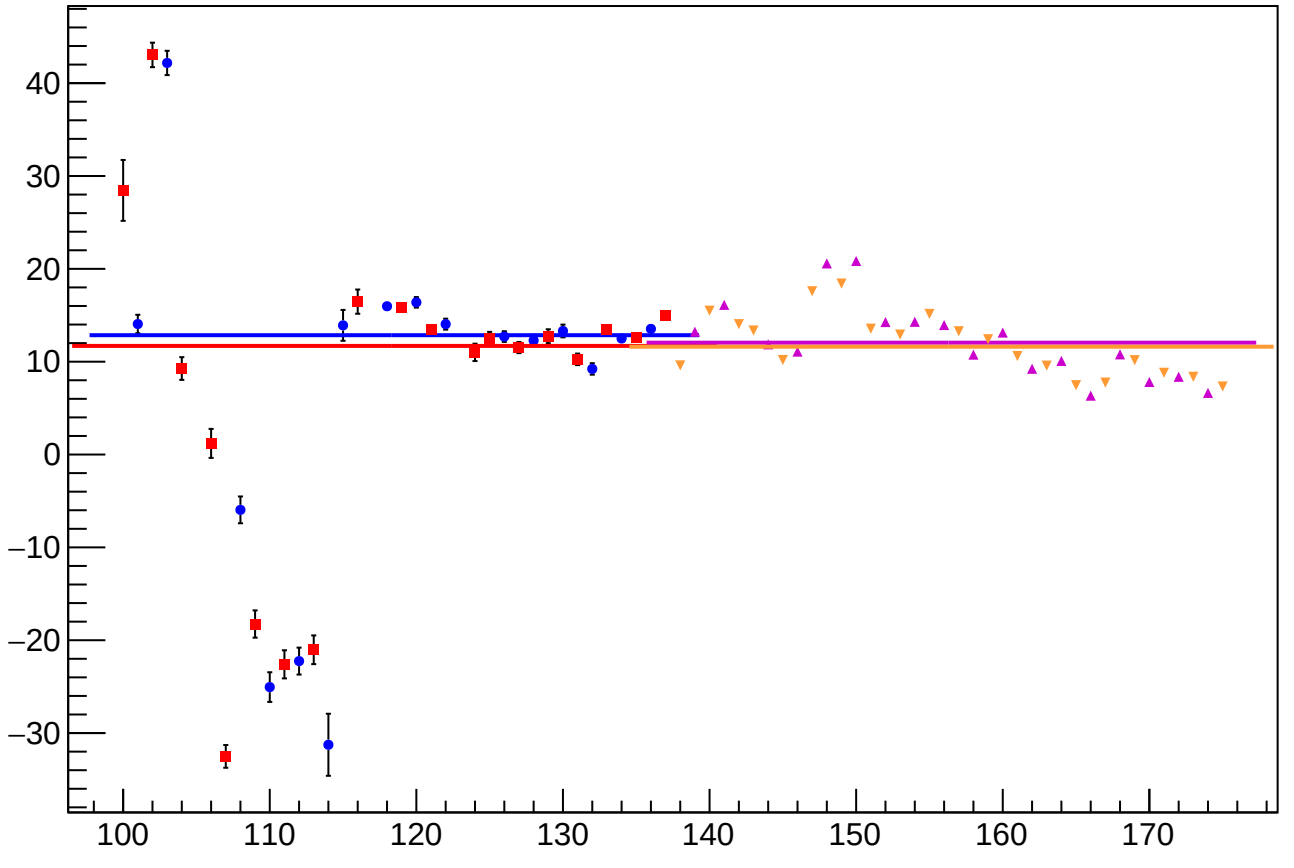
Left: -6.579+/-0.059 χ^2/NDF: 3238.4/37

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.625+/-0.074 χ^2/NDF:1335.1/33

Out: -6.389+/-0.072 χ^2/NDF:2759.9/38

All: -6.994+/-0.052 χ^2/NDF: 4238.0/72



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.614+/-0.070 χ^2/NDF:2047.1/19

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 12.047+/-0.074 χ^2/NDF:2757.8/17

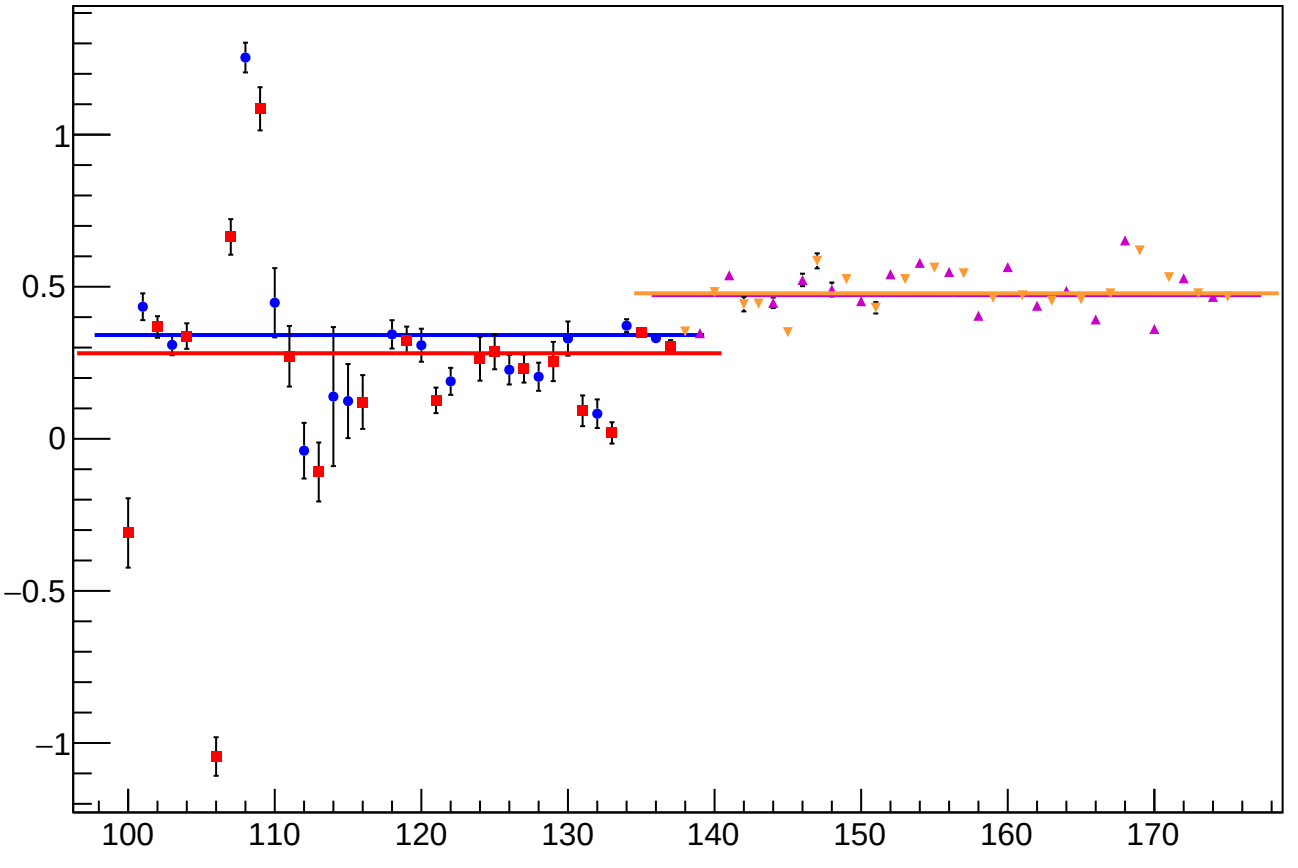
Left: 11.819+/-0.051 χ^2/NDF: 4822.8/37

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.205+/-0.067 χ^2/NDF:4909.3/33

Out: 11.629+/-0.064 χ^2/NDF:5546.1/38

All: 11.906+/-0.046 χ^2/NDF: 10494.4/72



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.478+/-0.003 χ^2/NDF:428.0/19

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.472+/-0.003 χ^2/NDF:727.6/17

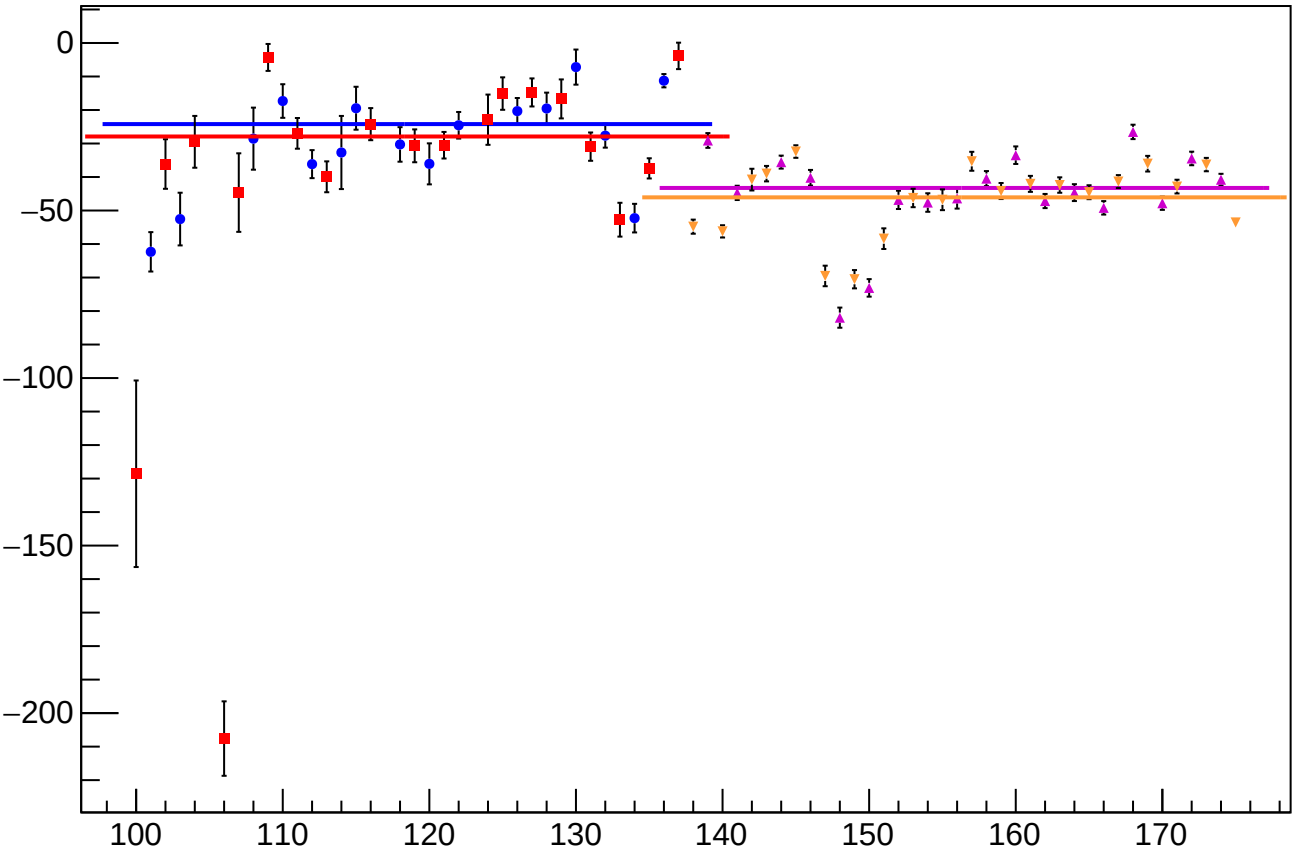
Left: 0.475+/-0.002 χ^2/NDF: 1157.5/37

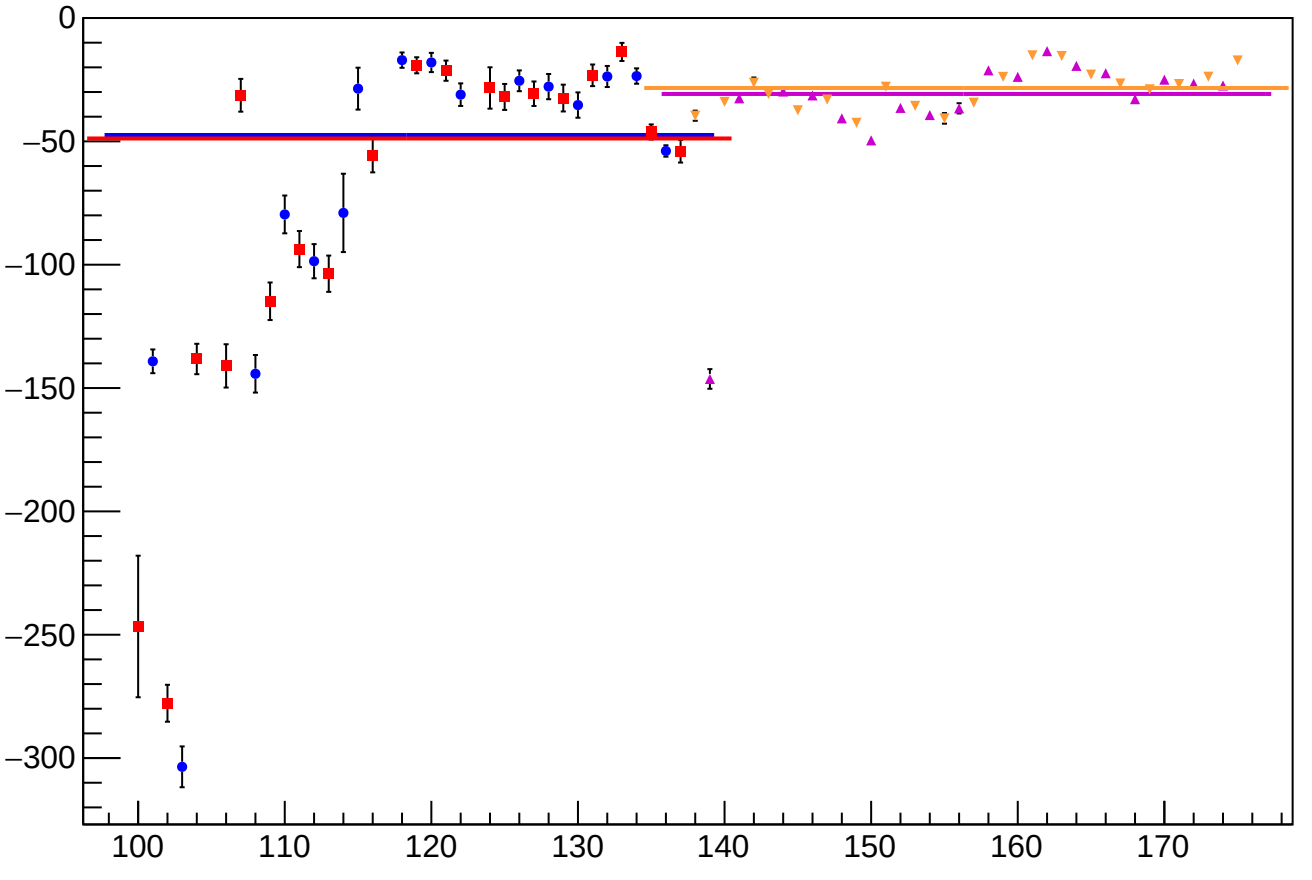
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.454+/-0.003 χ^2/NDF:1401.8/33

Out: 0.455+/-0.003 χ^2/NDF:1683.2/38

All: 0.455+/-0.002 χ^2/NDF: 3085.0/72


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -24.205+/-1.086 χ²/NDF: 170.7/15
Left Out: -46.070+/-0.503 χ²/NDF:364.3/19
Right Out: -27.906+/-1.137 χ²/NDF: 413.4/18
Left In: -43.262+/-0.534 χ²/NDF:474.7/17
Left: -44.747+/-0.366 χ²/NDF: 853.7/37
Right: -25.971+/-0.785 χ²/NDF: 589.7/34
In: -39.558+/-0.479 χ²/NDF:893.3/33
Out: -43.093+/-0.460 χ²/NDF:991.1/38
All: -41.395+/-0.332 χ²/NDF: 1912.7/72



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -28.367+/-0.370 χ^2/NDF:438.5/19

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -30.787+/-0.390 χ^2/NDF:1303.6/17

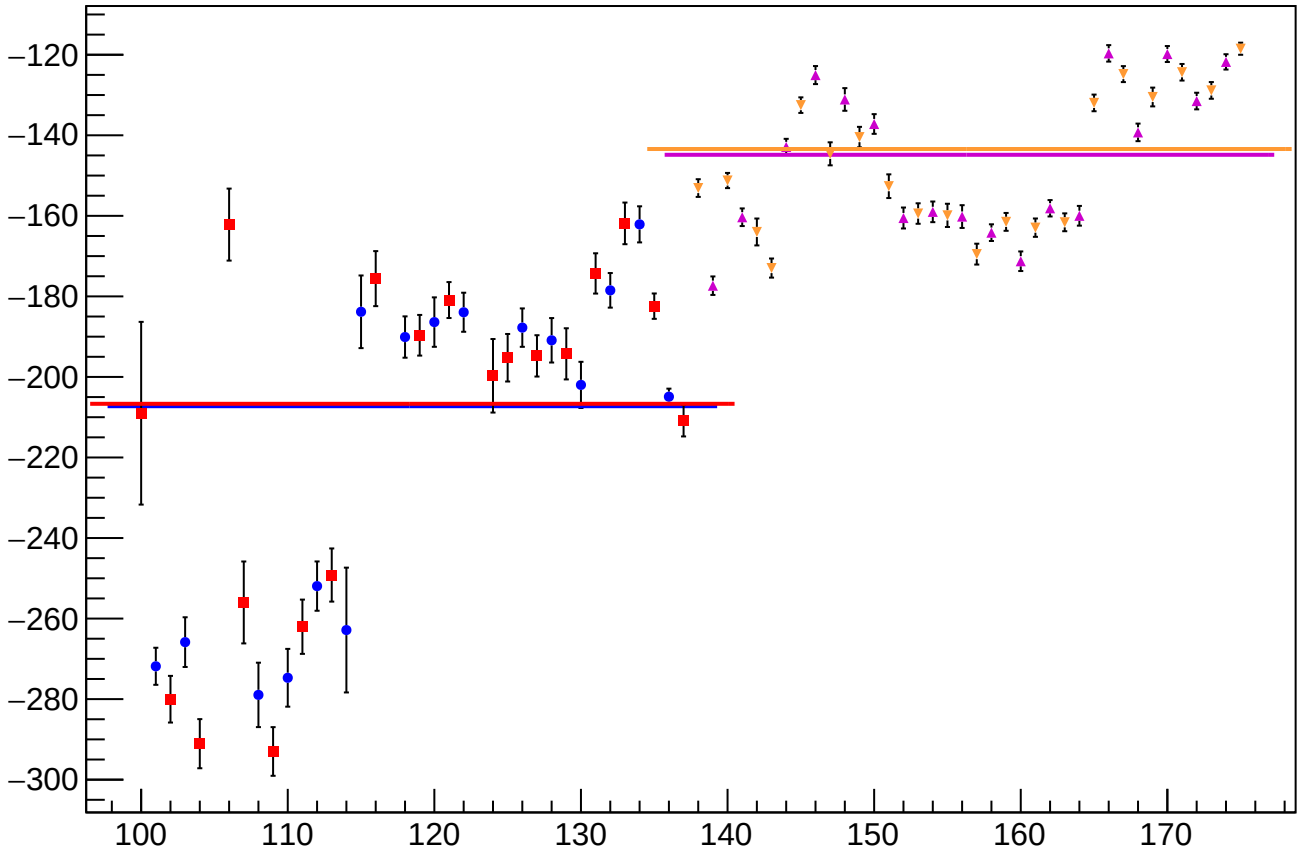
Left: -29.512+/-0.269 χ^2/NDF: 1762.3/37

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -32.644+/-0.368 χ^2/NDF:3379.9/33

Out: -30.192+/-0.353 χ^2/NDF:2485.9/38

All: -31.368+/-0.255 χ^2/NDF: 5888.9/72



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -143.403+/-0.499 χ^2/NDF:1212.3/19

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -144.840+/-0.528 χ^2/NDF:1251.5/17

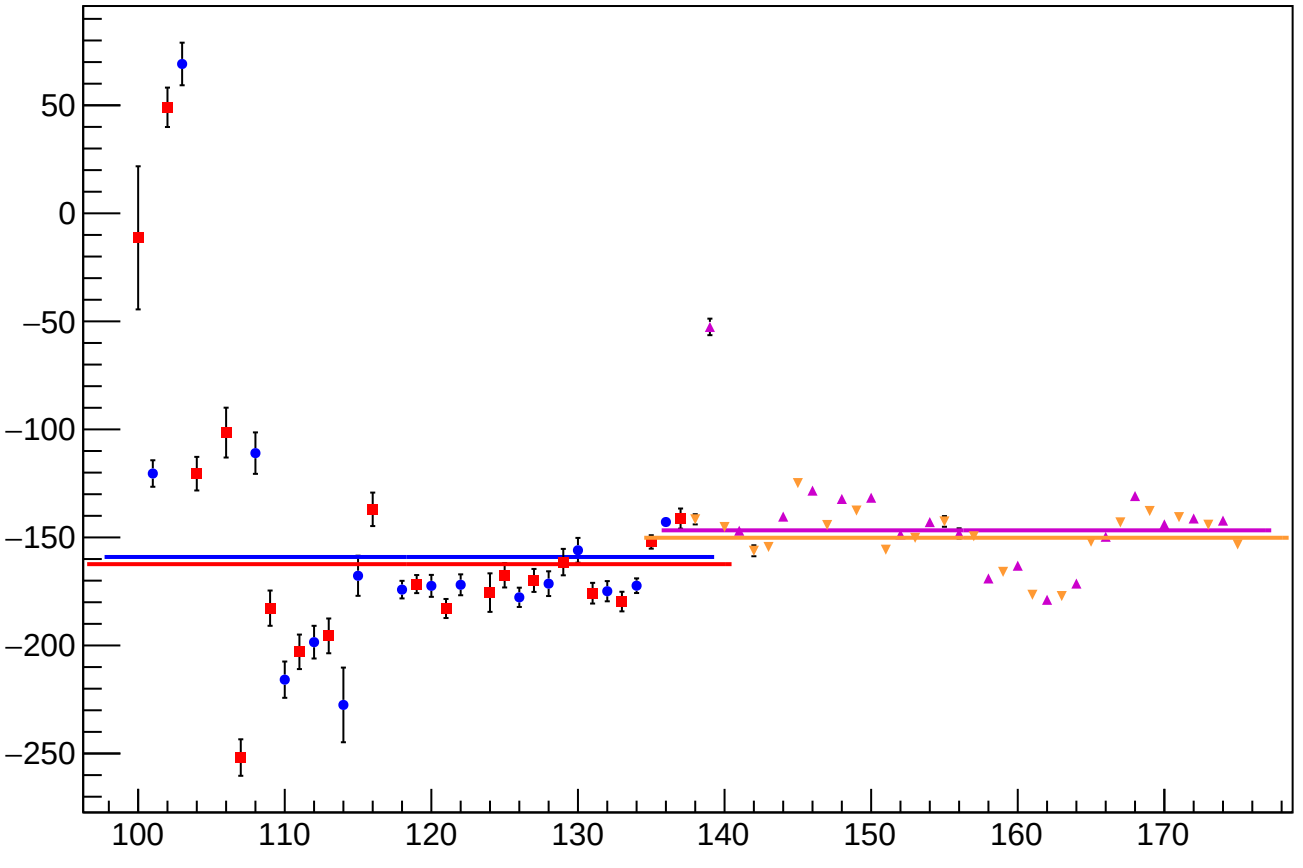
Left: -144.081+/-0.362 χ^2/NDF: 2467.8/37

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -155.270+/-0.482 χ^2/NDF:4337.8/33

Out: -151.749+/-0.465 χ^2/NDF:4304.5/38

All: -153.447+/-0.334 χ^2/NDF: 8670.0/72



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -150.152+/-0.419 χ^2/NDF:987.6/19

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -146.715+/-0.441 χ^2/NDF:1710.2/17

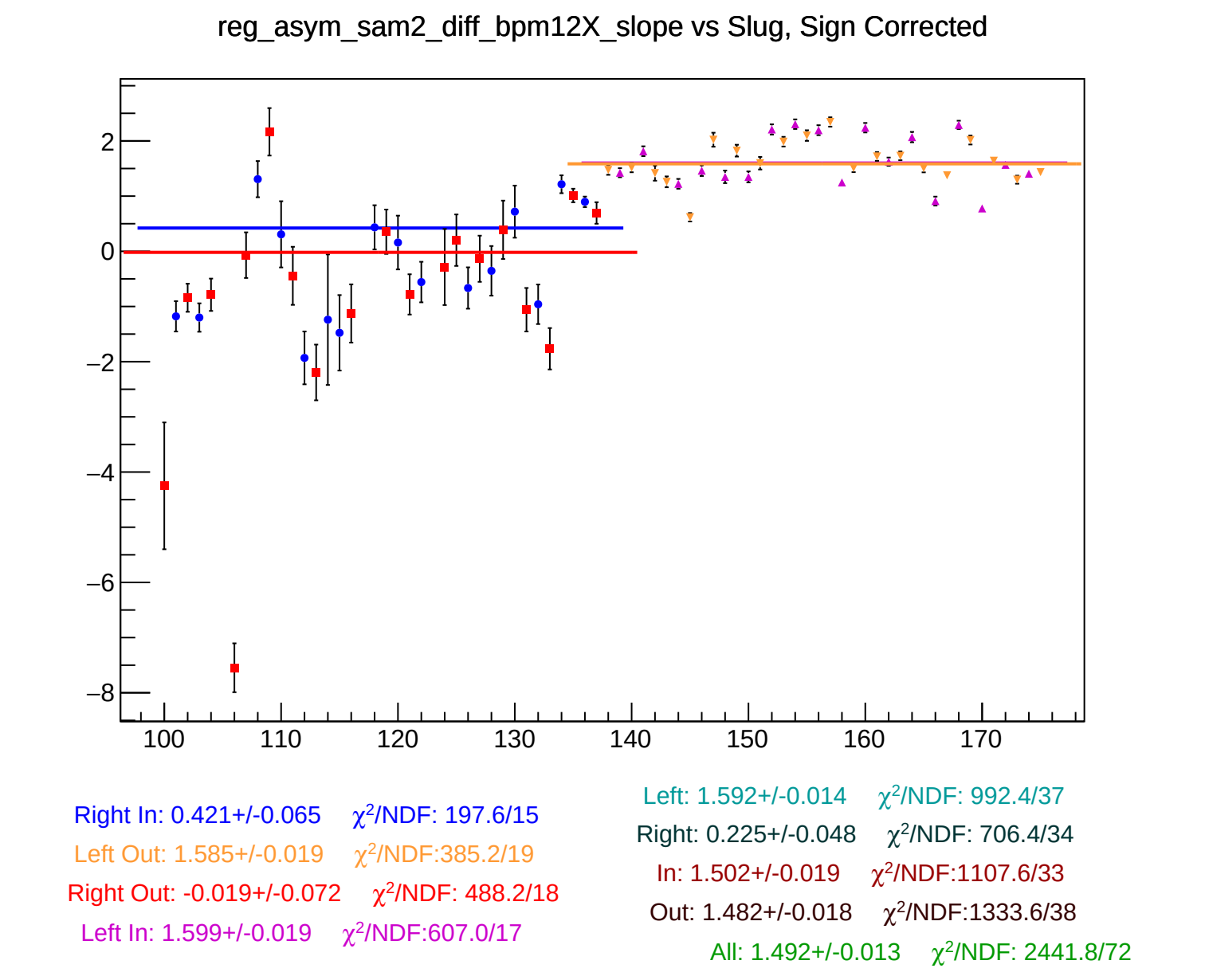
Left: -148.525+/-0.304 χ^2/NDF: 2729.8/37

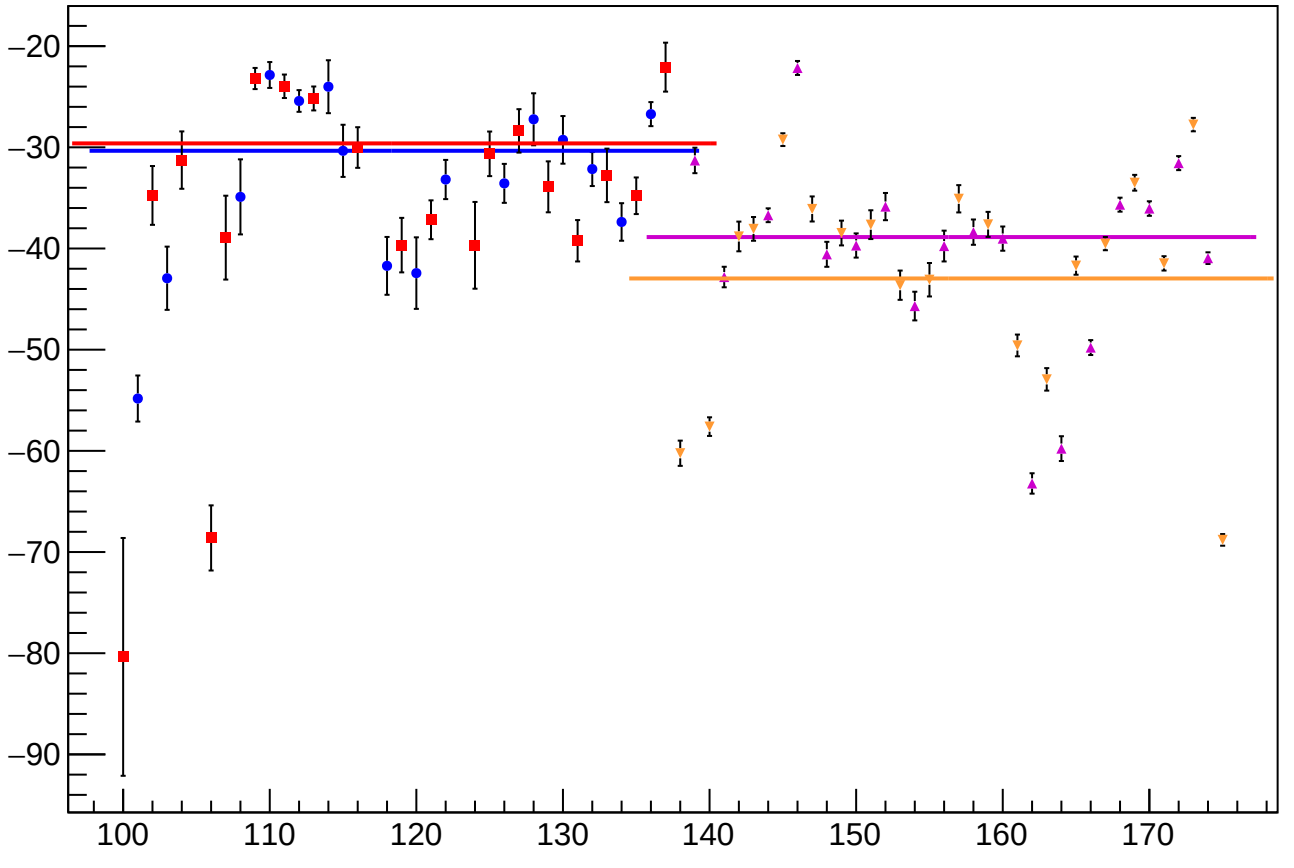
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.132+/-0.415 χ^2/NDF:2615.7/33

Out: -151.262+/-0.399 χ^2/NDF:1937.6/38

All: -149.759+/-0.288 χ^2/NDF: 4582.8/72


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.585+/-0.019 χ²/NDF:385.2/19
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.599+/-0.019 χ²/NDF:607.0/17
Left: 1.592+/-0.014 χ²/NDF: 992.4/37
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.502+/-0.019 χ²/NDF:1107.6/33
Out: 1.482+/-0.018 χ²/NDF:1333.6/38
All: 1.492+/-0.013 χ²/NDF: 2441.8/72



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -42.962+/-0.206 χ^2/NDF:3886.5/19

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -38.869+/-0.210 χ^2/NDF:1932.5/17

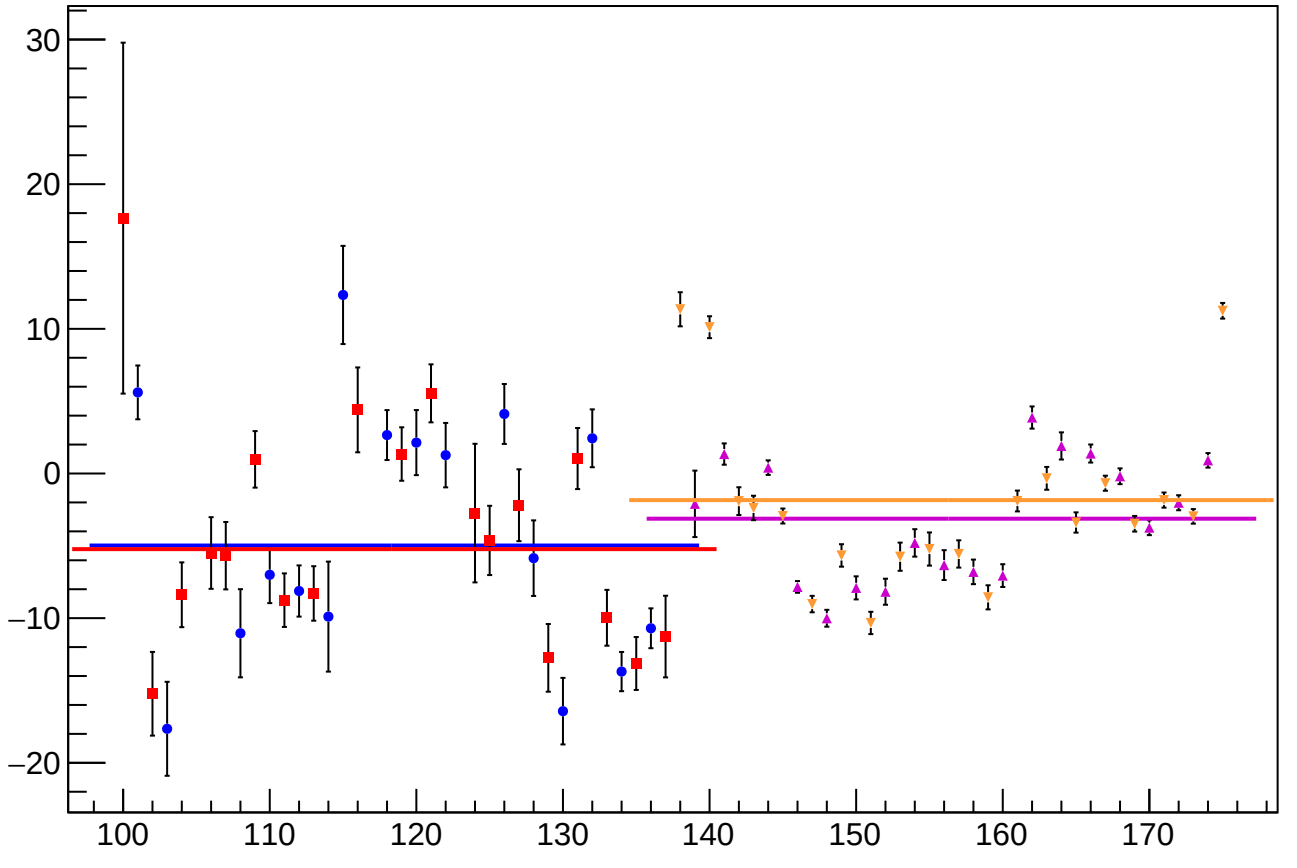
Left: -40.956+/-0.147 χ^2/NDF: 6012.1/37

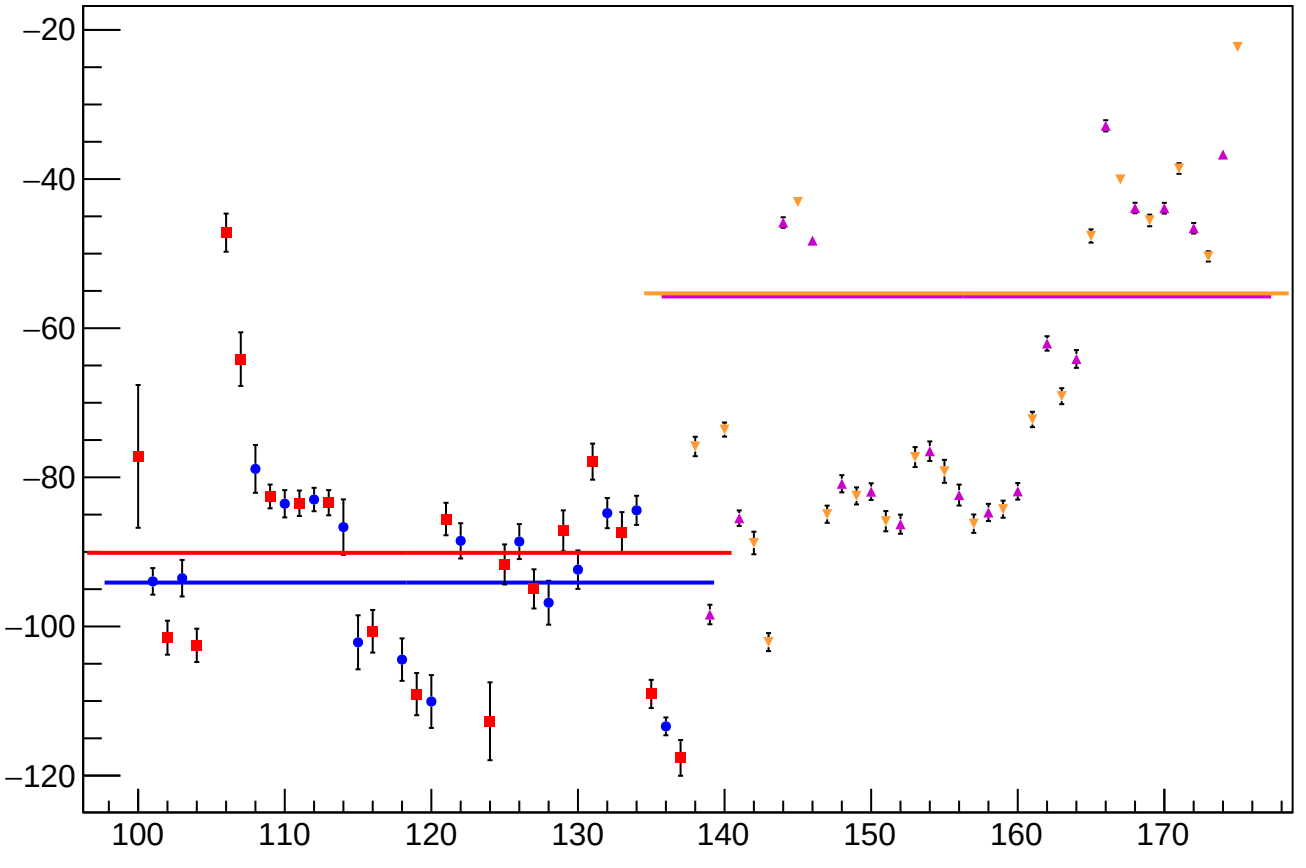
Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

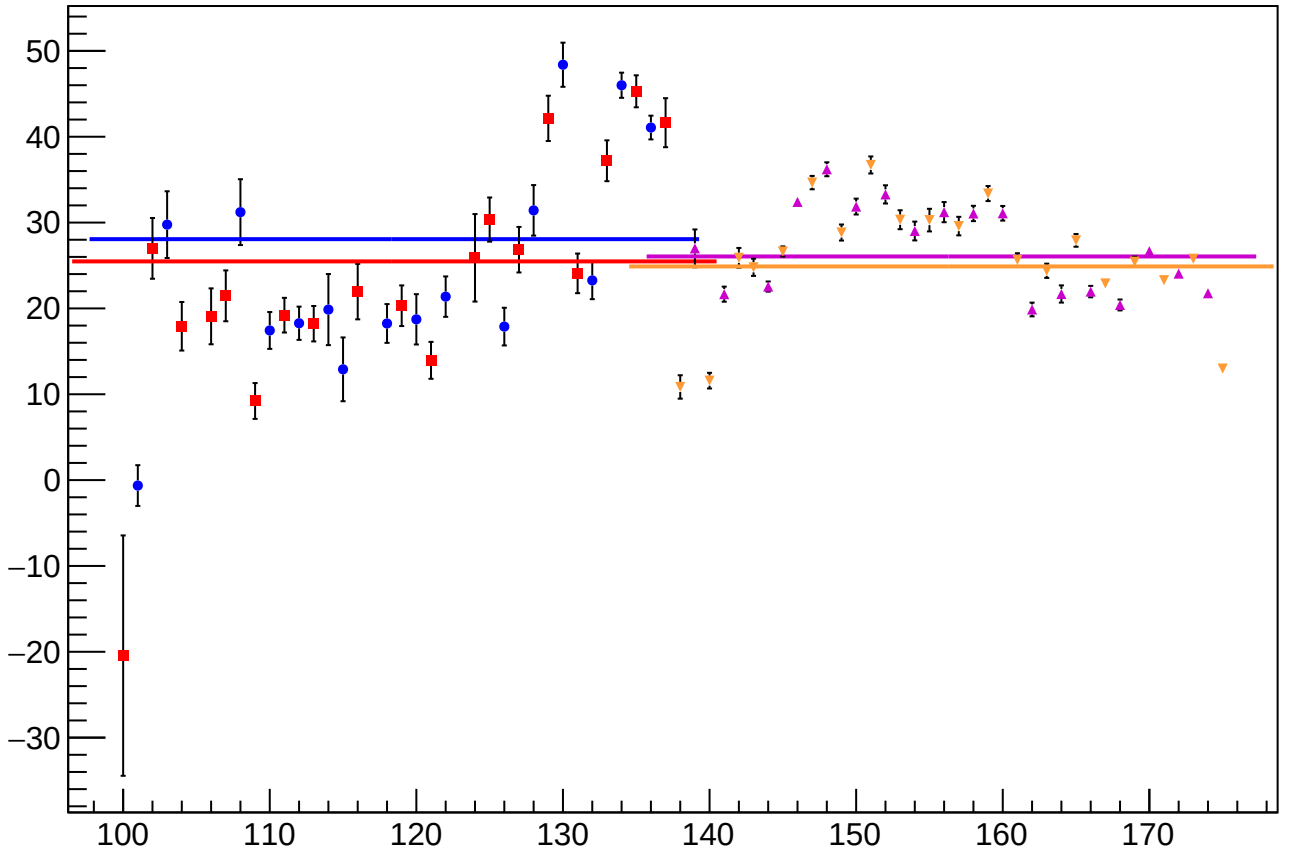
In: -37.436+/-0.192 χ^2/NDF:2462.5/33

Out: -40.650+/-0.187 χ^2/NDF:4941.8/38

All: -39.080+/-0.134 χ^2/NDF: 7547.9/72


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -1.840+/-0.152 χ²/NDF:1401.7/19
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -3.125+/-0.152 χ²/NDF:748.7/17
Left: -2.481+/-0.108 χ²/NDF: 2186.0/37
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -3.277+/-0.146 χ²/NDF:998.2/33
Out: -2.104+/-0.146 χ²/NDF:1576.7/38
All: -2.691+/-0.103 χ²/NDF: 2607.2/72


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -55.331+/-0.206 χ²/NDF:11530.1/19
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -55.745+/-0.210 χ²/NDF:8257.2/17
Left: -55.533+/-0.147 χ²/NDF: 19789.2/37
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -60.838+/-0.196 χ²/NDF:13151.4/33
Out: -59.694+/-0.192 χ²/NDF:15911.7/38
All: -60.256+/-0.137 χ²/NDF: 29080.5/72



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.890+/-0.172 χ^2/NDF:1279.5/19

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.053+/-0.174 χ^2/NDF:825.8/17

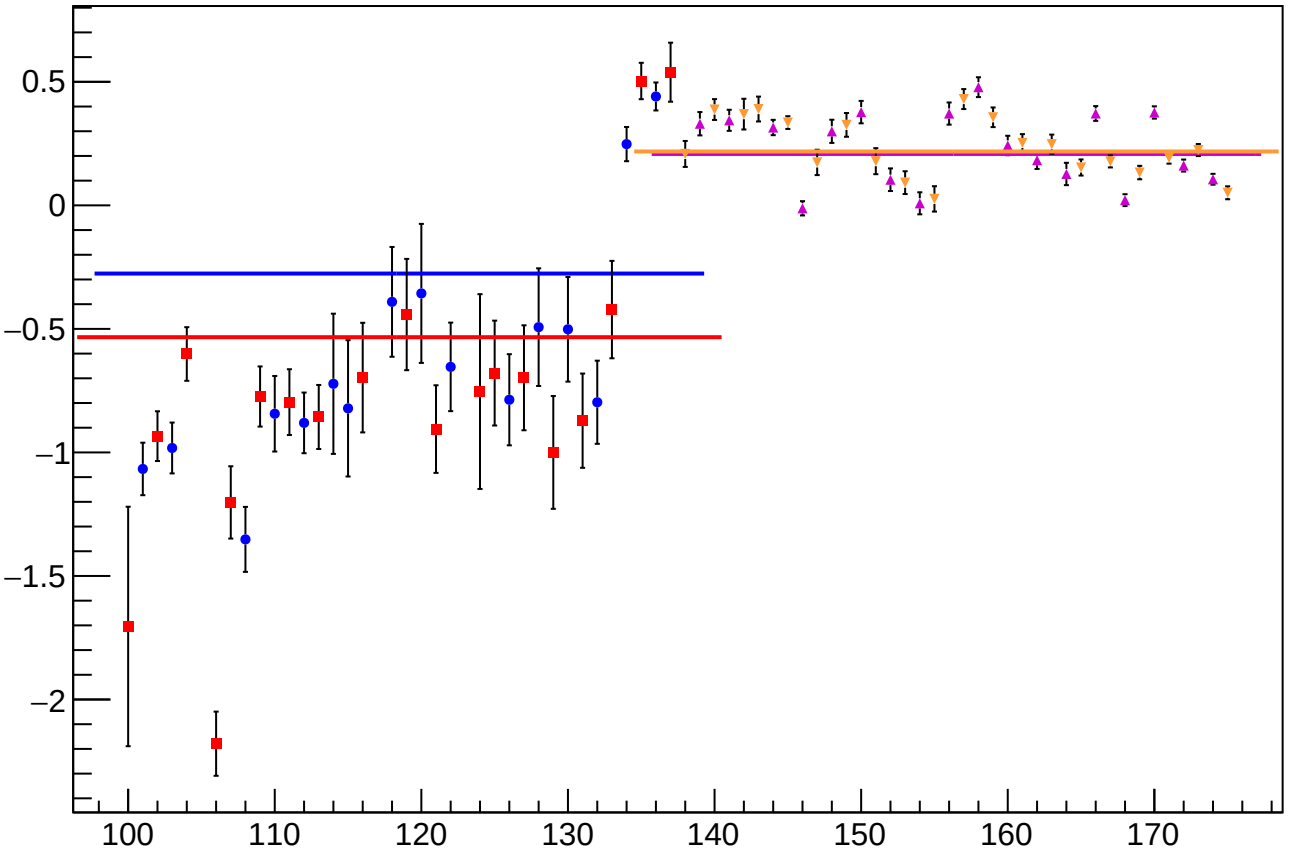
Left: 25.464+/-0.122 χ^2/NDF: 2128.0/37

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.225+/-0.166 χ^2/NDF:1420.4/33

Out: 24.935+/-0.165 χ^2/NDF:1635.0/38

All: 25.574+/-0.117 χ^2/NDF: 3085.8/72



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.218+/-0.008 χ^2/NDF:181.7/19

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.208+/-0.008 χ^2/NDF:354.5/17

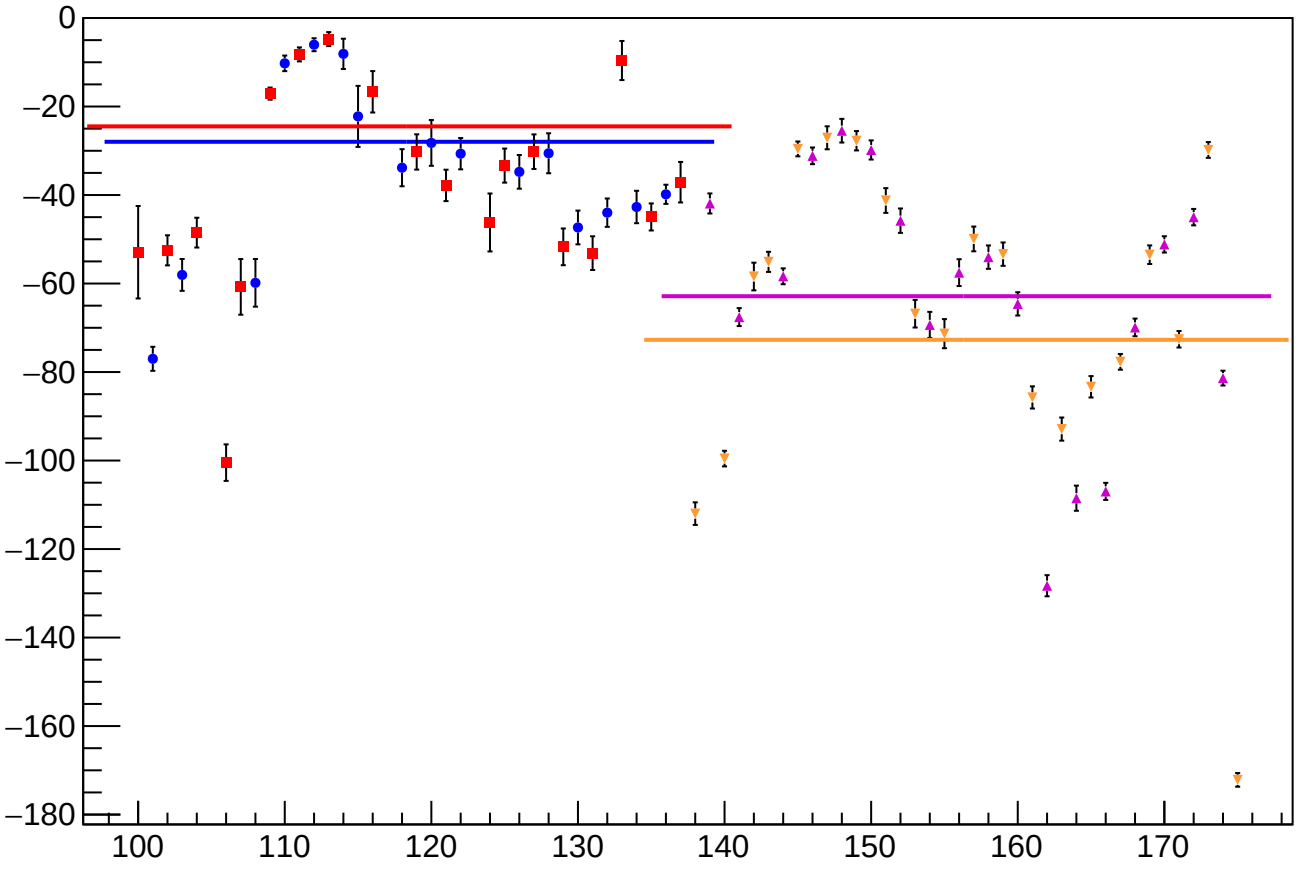
Left: 0.213+/-0.005 χ^2/NDF: 537.0/37

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.179+/-0.008 χ^2/NDF:1044.5/33

Out: 0.178+/-0.008 χ^2/NDF:1187.9/38

All: 0.178+/-0.005 χ^2/NDF: 2232.5/72



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -72.717+/-0.493 χ^2/NDF:7106.6/19

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -62.864+/-0.514 χ^2/NDF:2665.2/17

Left: -67.995+/-0.356 χ^2/NDF: 9963.3/37

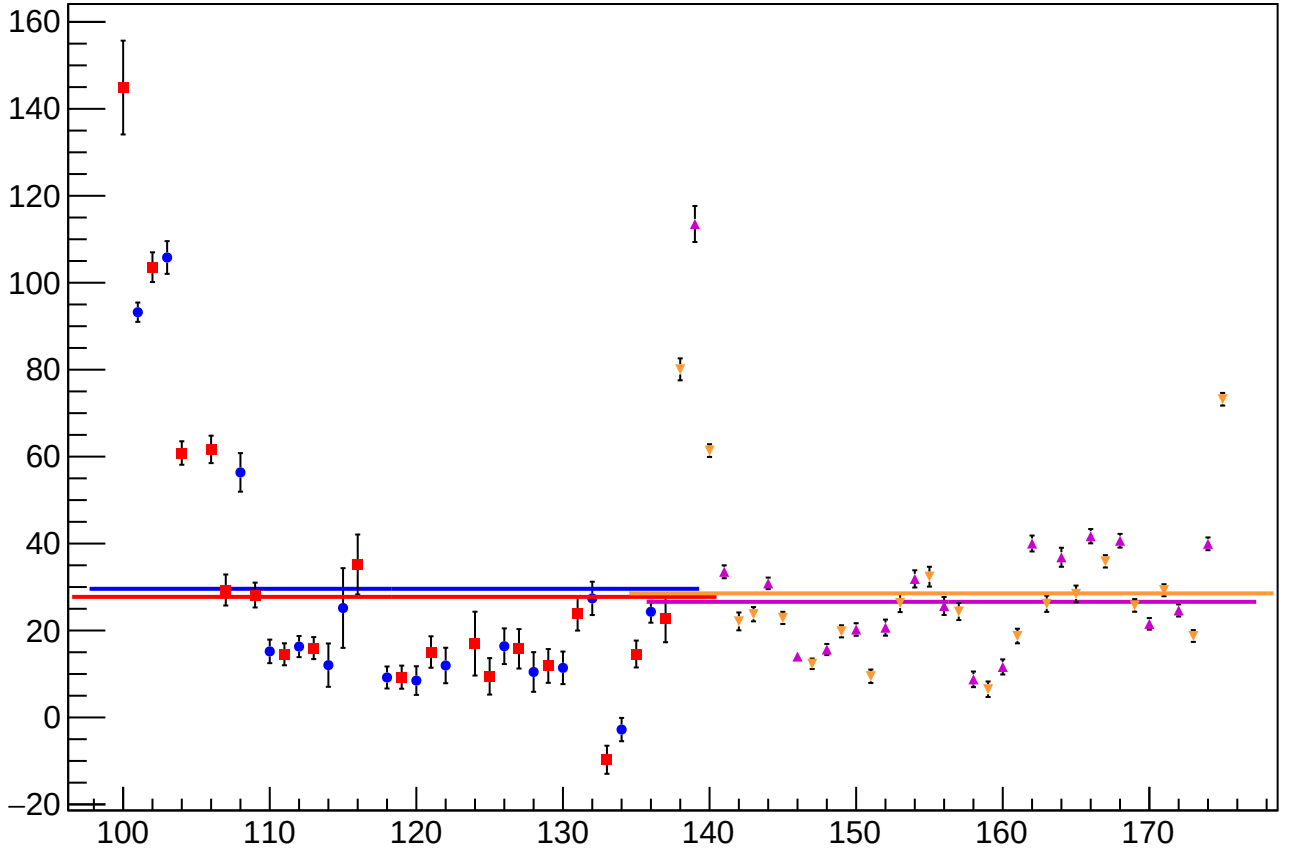
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -51.252+/-0.420 χ^2/NDF:5094.8/33

Out: -55.544+/-0.396 χ^2/NDF:11505.7/38

All: -53.525+/-0.288 χ^2/NDF: 16655.8/72

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.545+/-0.359 χ^2/NDF:2538.6/19

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 26.595+/-0.374 χ^2/NDF:1213.9/17

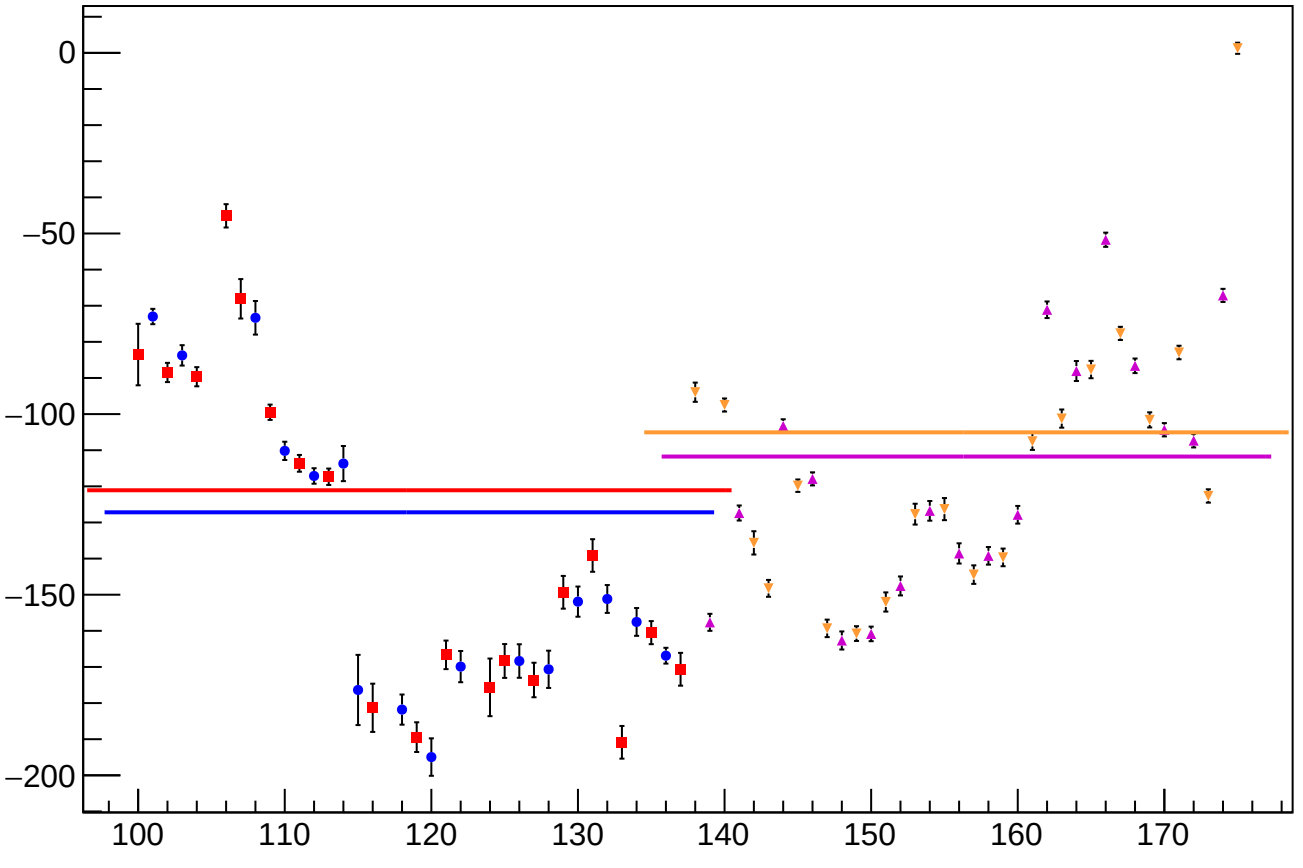
Left: 27.609+/-0.259 χ^2/NDF: 3766.6/37

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 27.124+/-0.339 χ^2/NDF:2890.9/33

Out: 28.408+/-0.327 χ^2/NDF:3724.5/38

All: 27.789+/-0.236 χ^2/NDF: 6622.9/72



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -105.050+/-0.489 χ^2/NDF:7895.0/19

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -111.750+/-0.509 χ^2/NDF:4048.2/17

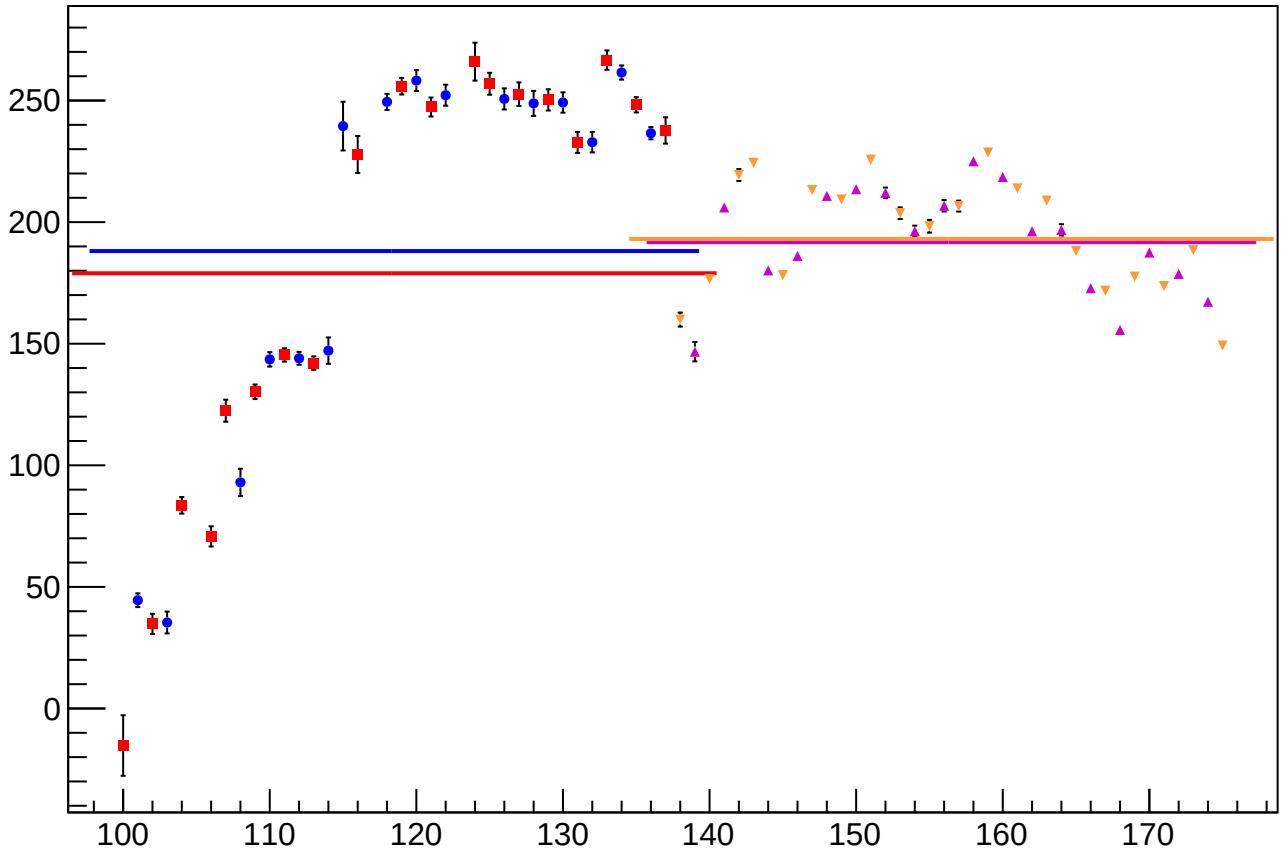
Left: -108.261+/-0.353 χ^2/NDF: 12033.3/37

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -115.978+/-0.434 χ^2/NDF:6478.1/33

Out: -109.426+/-0.417 χ^2/NDF:10586.1/38

All: -112.569+/-0.301 χ^2/NDF: 17182.8/72



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 193.089+/-0.409 χ^2/NDF:3091.3/19

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 191.756+/-0.426 χ^2/NDF:2042.8/17

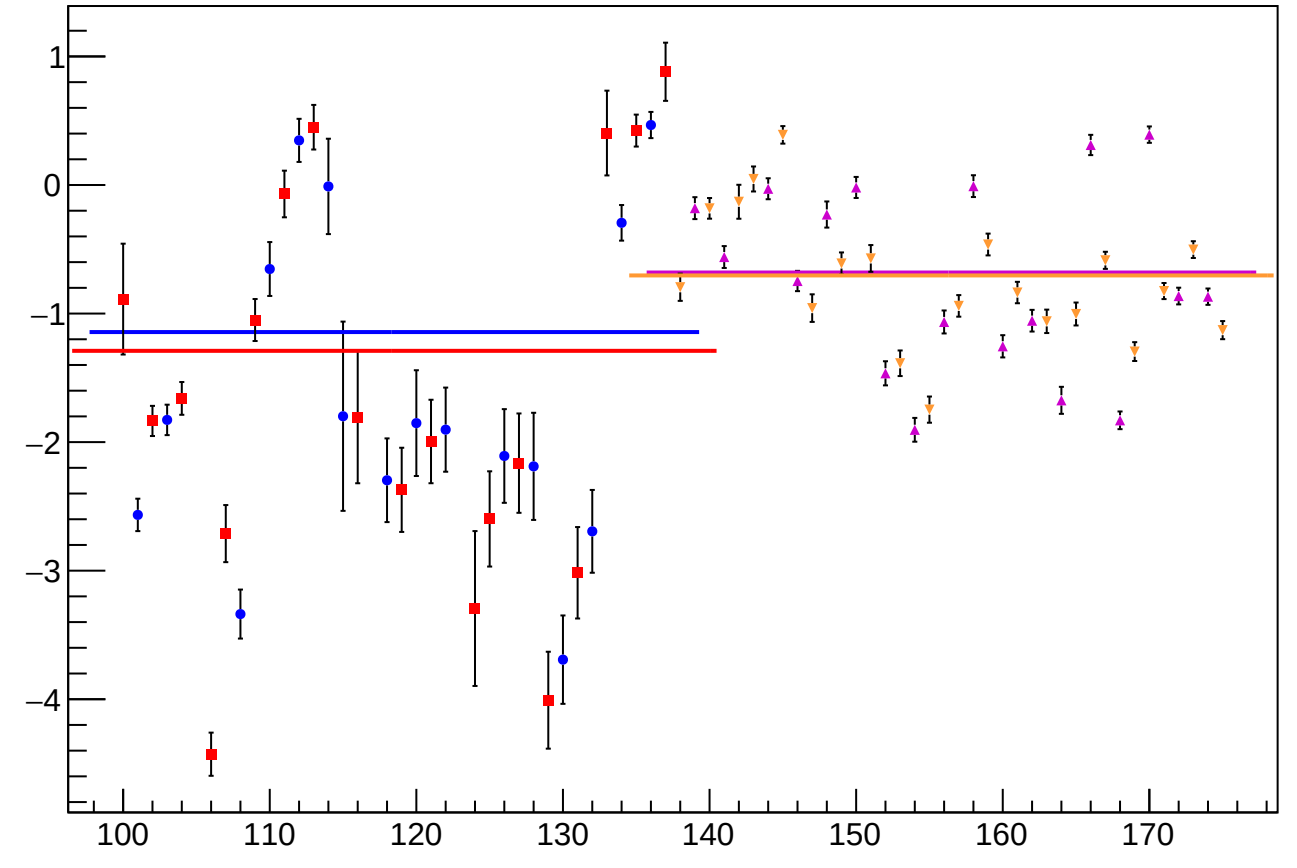
Left: 192.449+/-0.295 χ^2/NDF: 5139.2/37

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 191.111+/-0.386 χ^2/NDF:9174.4/33

Out: 190.708+/-0.373 χ^2/NDF:9961.0/38

All: 190.902+/-0.268 χ^2/NDF: 19136.0/72



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.703+/-0.019 χ^2/NDF:702.6/19

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.681+/-0.019 χ^2/NDF:1402.7/17

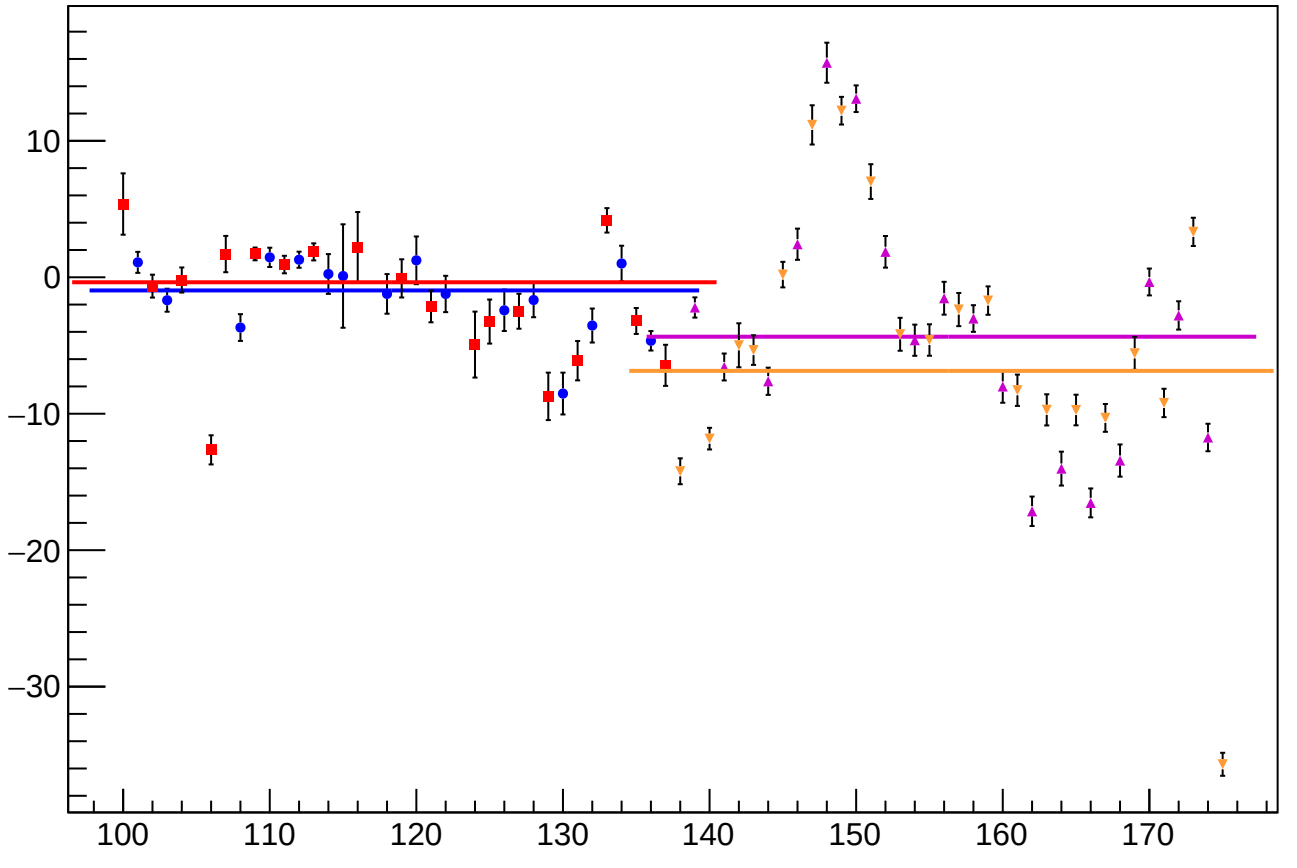
Left: -0.692+/-0.013 χ^2/NDF: 2106.0/37

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.743+/-0.018 χ^2/NDF:2270.6/33

Out: -0.781+/-0.017 χ^2/NDF:1833.4/38

All: -0.762+/-0.012 χ^2/NDF: 4106.4/72



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.860+/-0.240 χ^2/NDF:2134.3/19

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -4.355+/-0.249 χ^2/NDF:1075.9/17

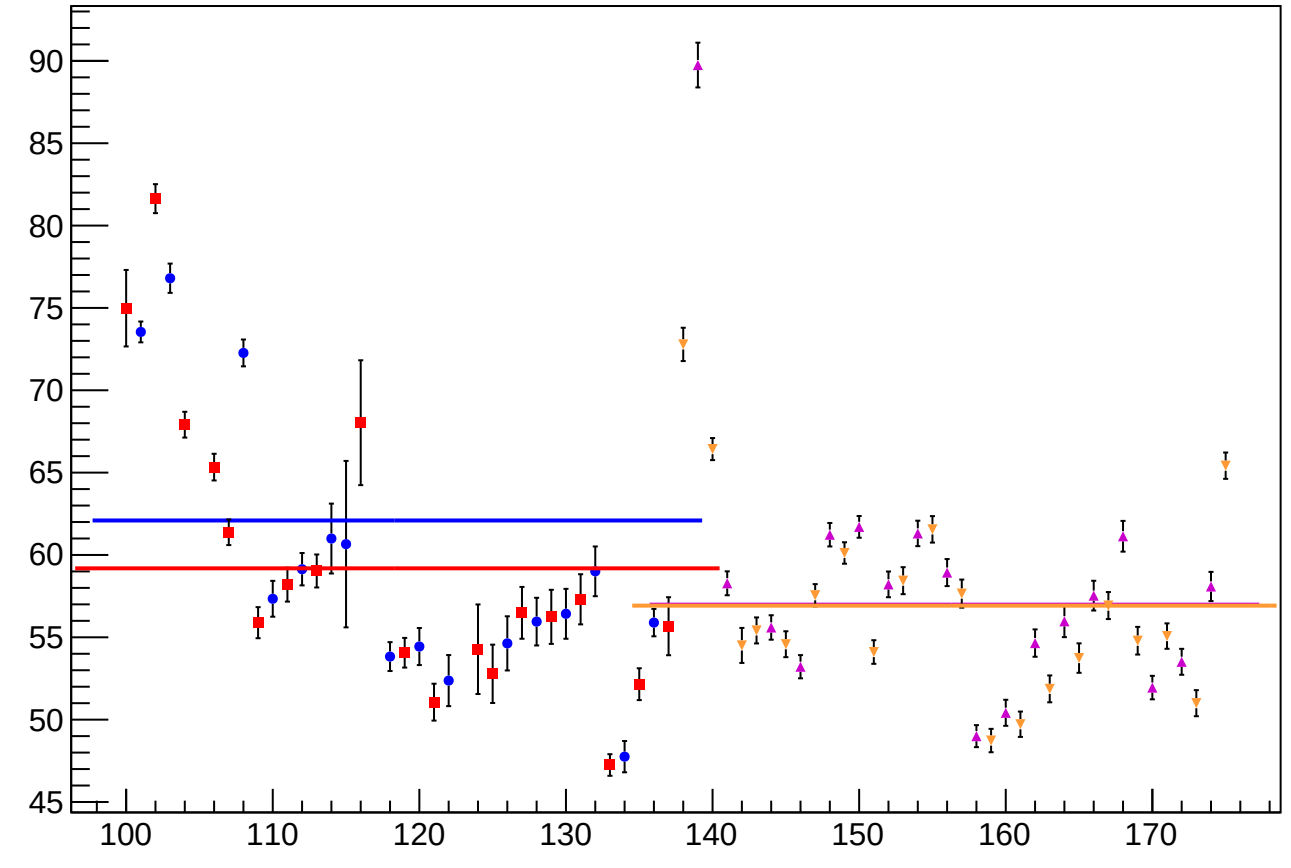
Left: -5.655+/-0.173 χ^2/NDF: 3262.7/37

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.689+/-0.177 χ^2/NDF:1270.3/33

Out: -3.390+/-0.164 χ^2/NDF:2807.4/38

All: -3.068+/-0.120 χ^2/NDF: 4086.2/72



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.923+/-0.176 χ^2/NDF:995.4/19

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 56.983+/-0.186 χ^2/NDF:1054.0/17

Left: 56.951+/-0.128 χ^2/NDF: 2049.5/37

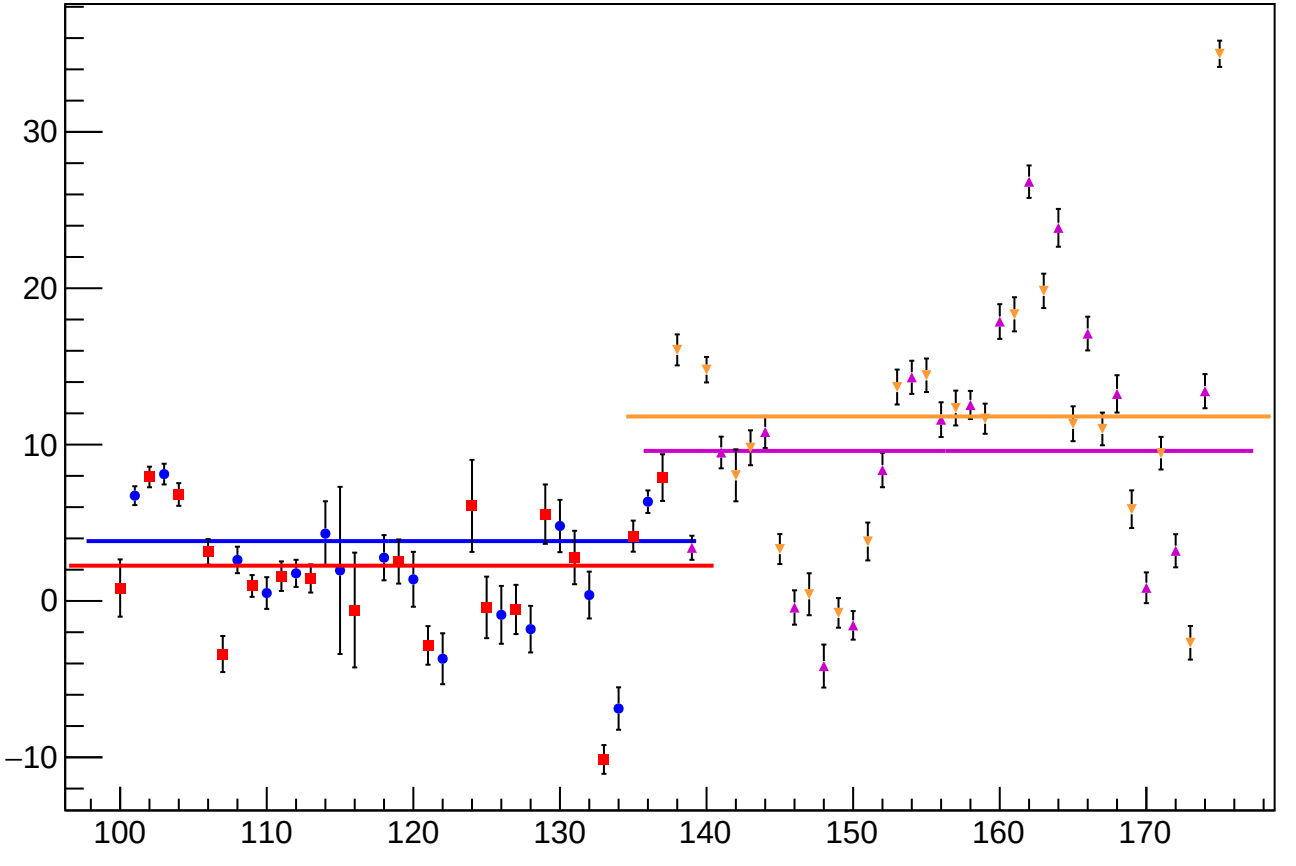
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.666+/-0.152 χ^2/NDF:2604.0/33

Out: 57.697+/-0.143 χ^2/NDF:2454.3/38

All: 58.150+/-0.104 χ^2/NDF: 5079.9/72

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.799+/-0.236 χ^2/NDF:1480.9/19

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 9.598+/-0.245 χ^2/NDF:1089.4/17

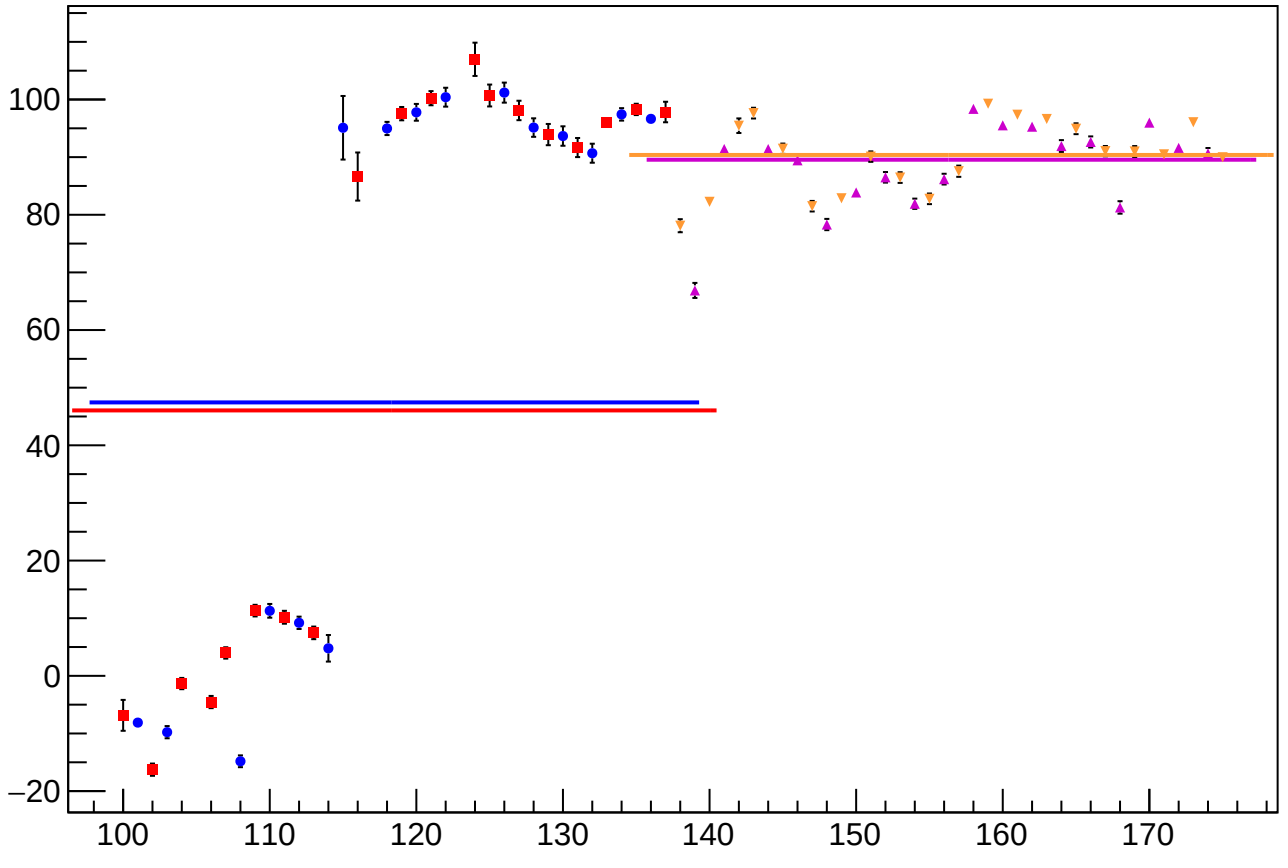
Left: 10.739+/-0.170 χ^2/NDF: 2612.2/37

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 6.942+/-0.180 χ^2/NDF:1553.3/33

Out: 7.233+/-0.170 χ^2/NDF:2634.7/38

All: 7.096+/-0.124 χ^2/NDF: 4189.4/72



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.378+/-0.199 χ^2/NDF:917.6/19

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.550+/-0.210 χ^2/NDF:998.2/17

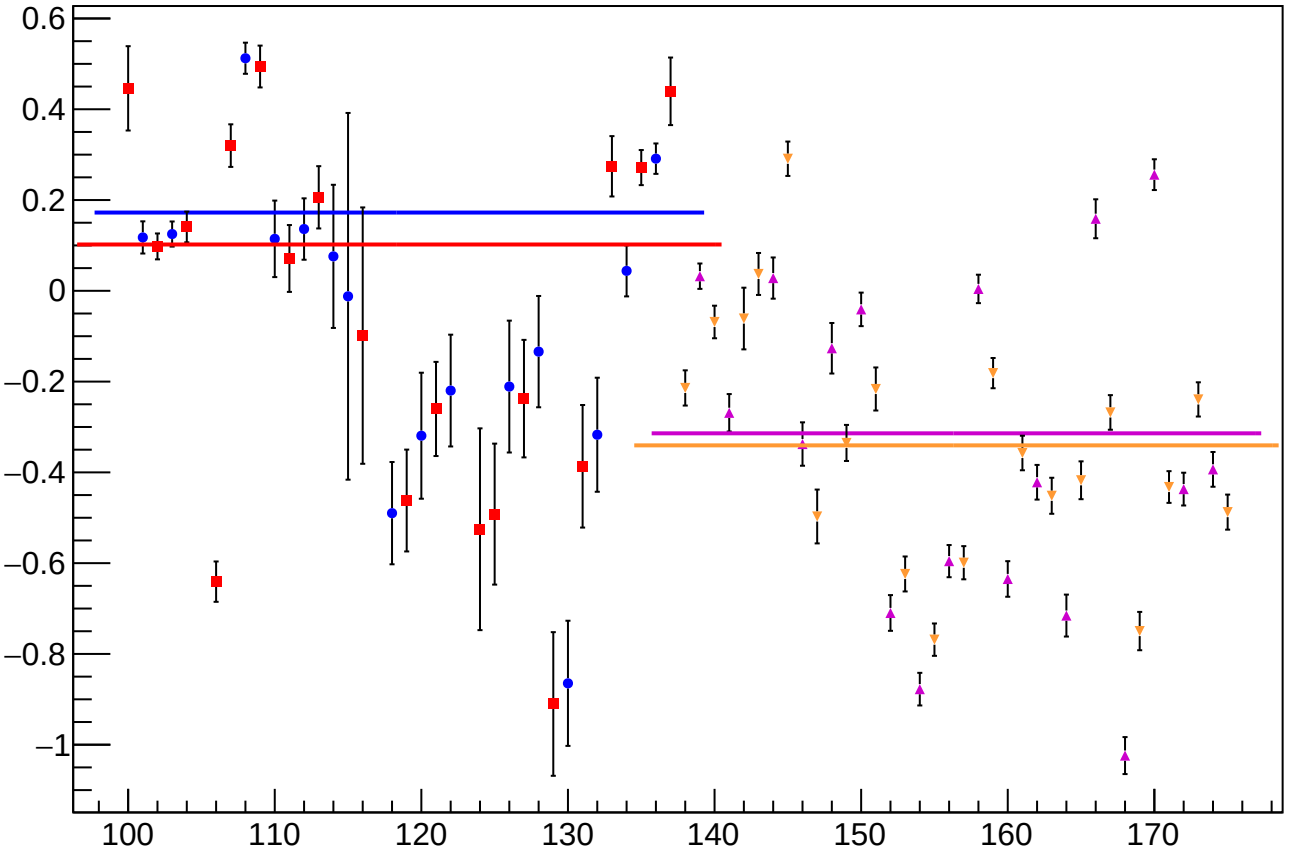
Left: 89.985+/-0.144 χ^2/NDF: 1923.9/37

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 76.229+/-0.173 χ^2/NDF:40657.4/33

Out: 75.776+/-0.163 χ^2/NDF:46099.7/38

All: 75.989+/-0.119 χ^2/NDF: 86760.8/72



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.340+/-0.009 χ^2/NDF:852.2/19

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.314+/-0.009 χ^2/NDF:1664.5/17

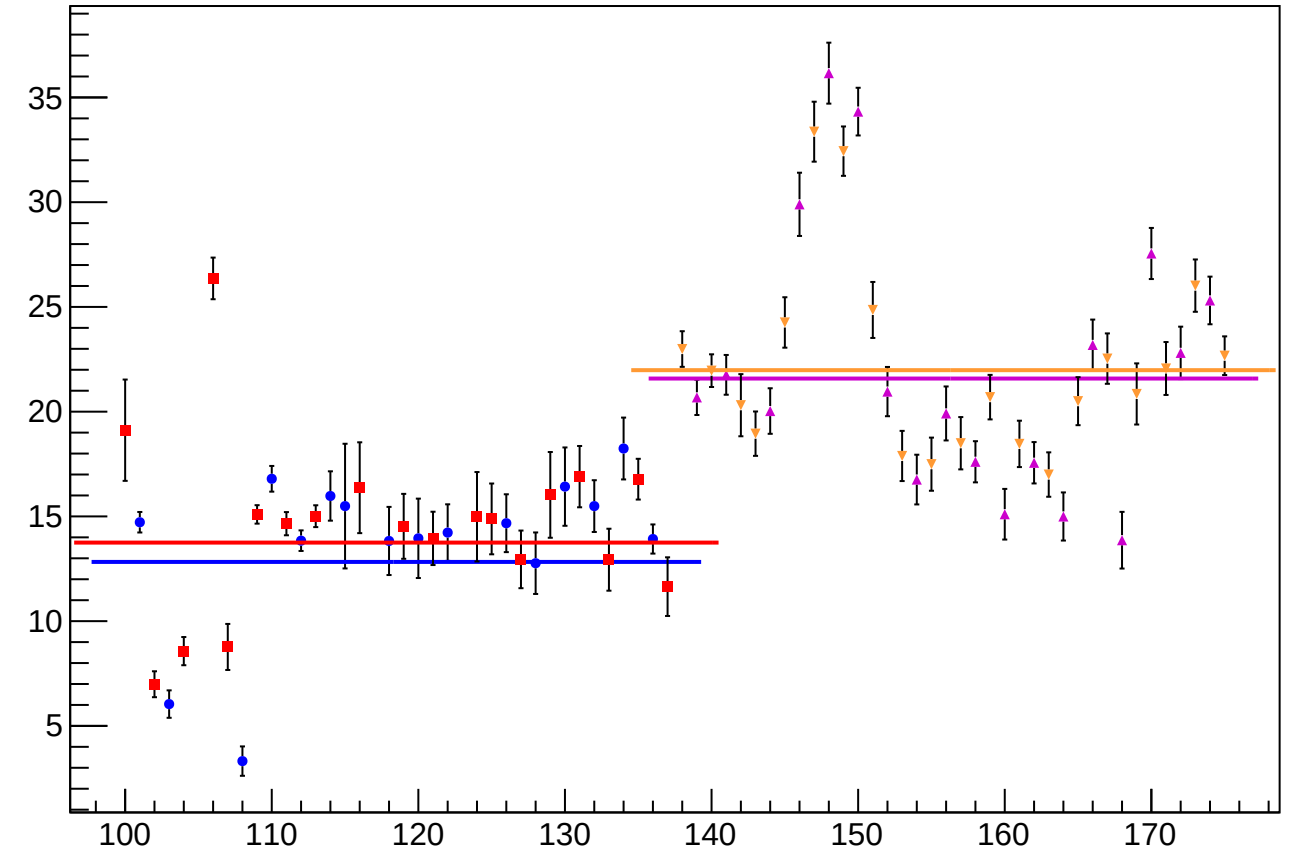
Left: -0.327+/-0.006 χ^2/NDF: 2521.0/37

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.174+/-0.008 χ^2/NDF:2770.7/33

Out: -0.206+/-0.007 χ^2/NDF:2163.9/38

All: -0.190+/-0.005 χ^2/NDF: 4943.6/72



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.981+/-0.252 χ^2/NDF:240.2/19

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.581+/-0.268 χ^2/NDF:442.1/17

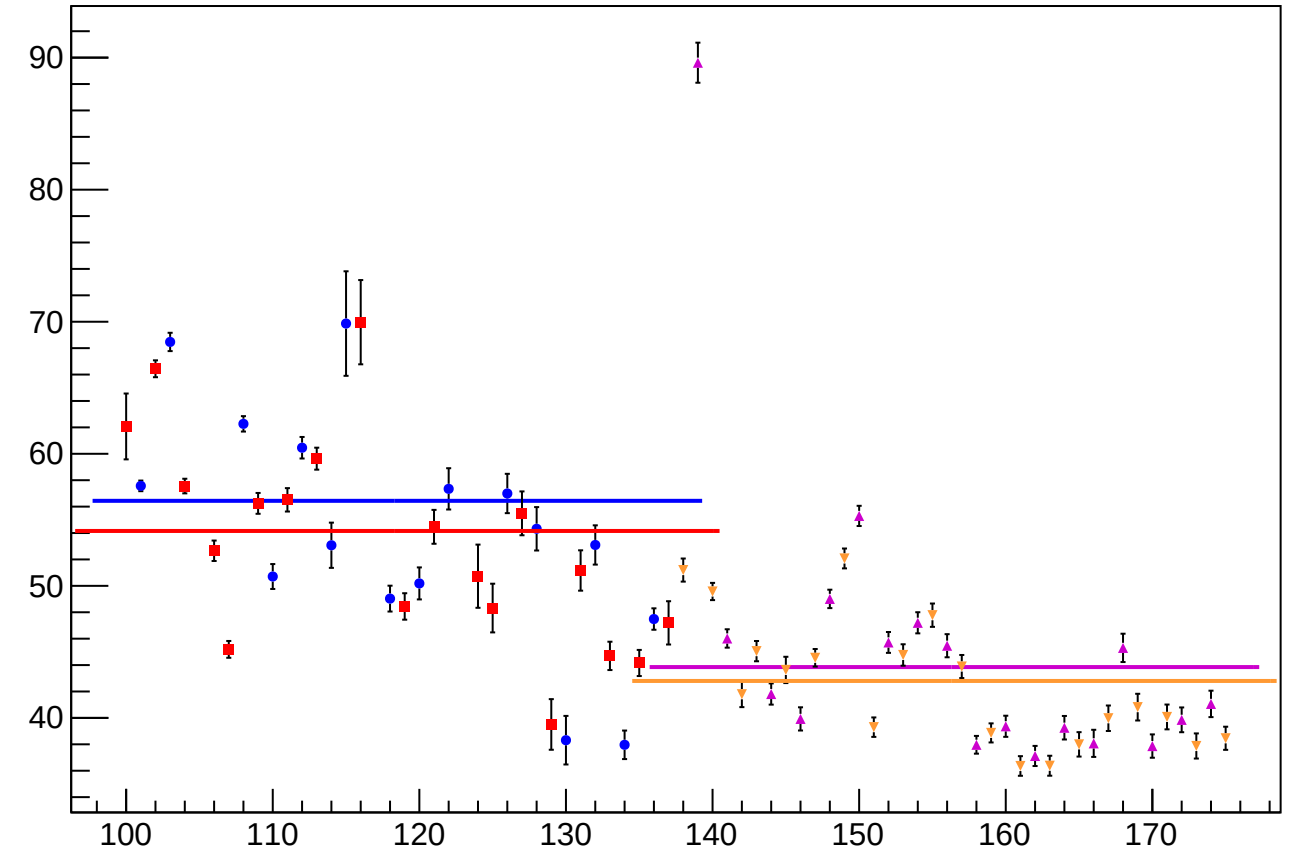
Left: 21.794+/-0.184 χ^2/NDF: 683.5/37

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.233+/-0.167 χ^2/NDF:1480.9/33

Out: 17.011+/-0.159 χ^2/NDF:1288.3/38

All: 16.643+/-0.115 χ^2/NDF: 2780.6/72



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.798+/-0.184 χ^2/NDF:707.1/19

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.850+/-0.198 χ^2/NDF:1569.3/17

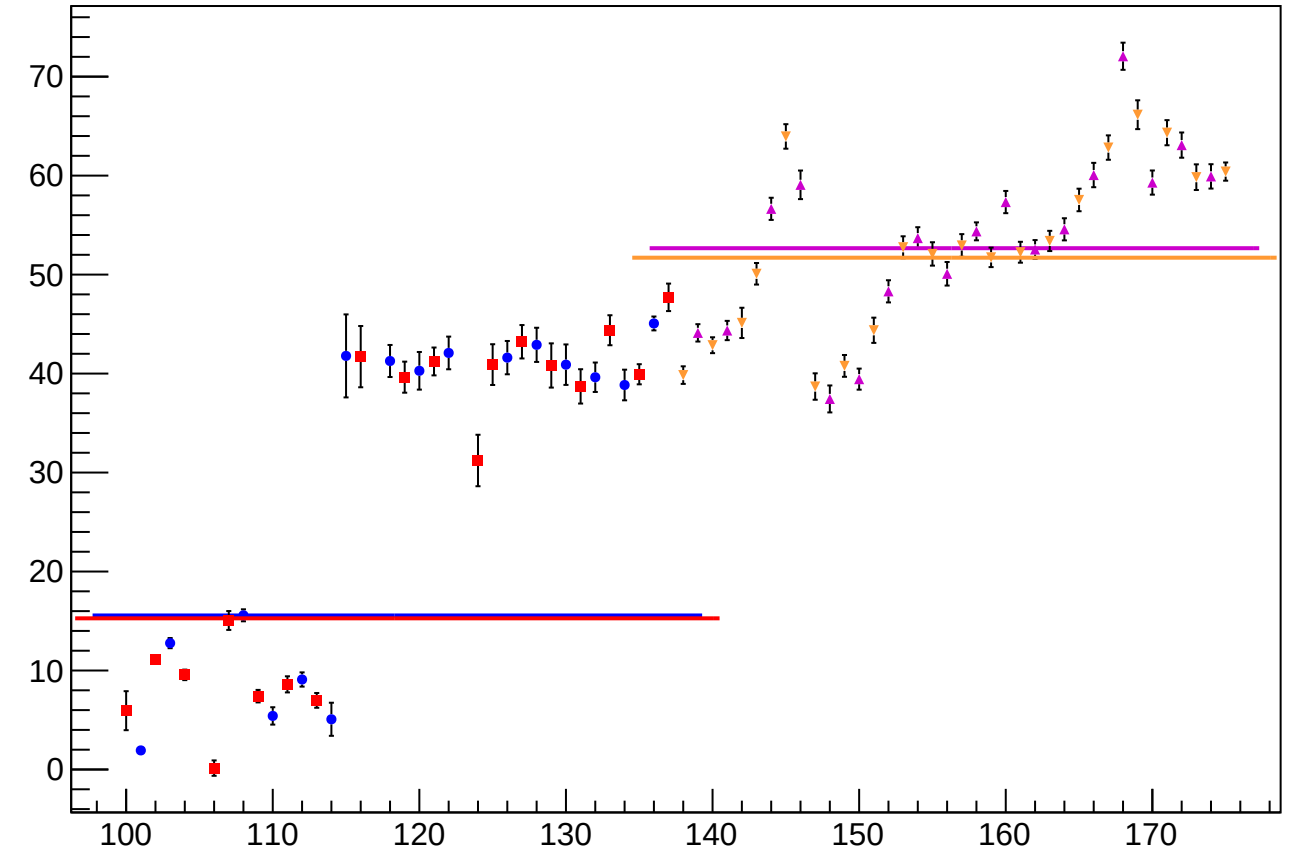
Left: 43.285+/-0.135 χ^2/NDF: 2291.6/37

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.424+/-0.148 χ^2/NDF:4451.8/33

Out: 47.353+/-0.142 χ^2/NDF:3246.6/38

All: 48.350+/-0.102 χ^2/NDF: 7800.5/72



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 51.707+/-0.248 χ^2/NDF:1084.4/19

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 52.667+/-0.263 χ^2/NDF:891.4/17

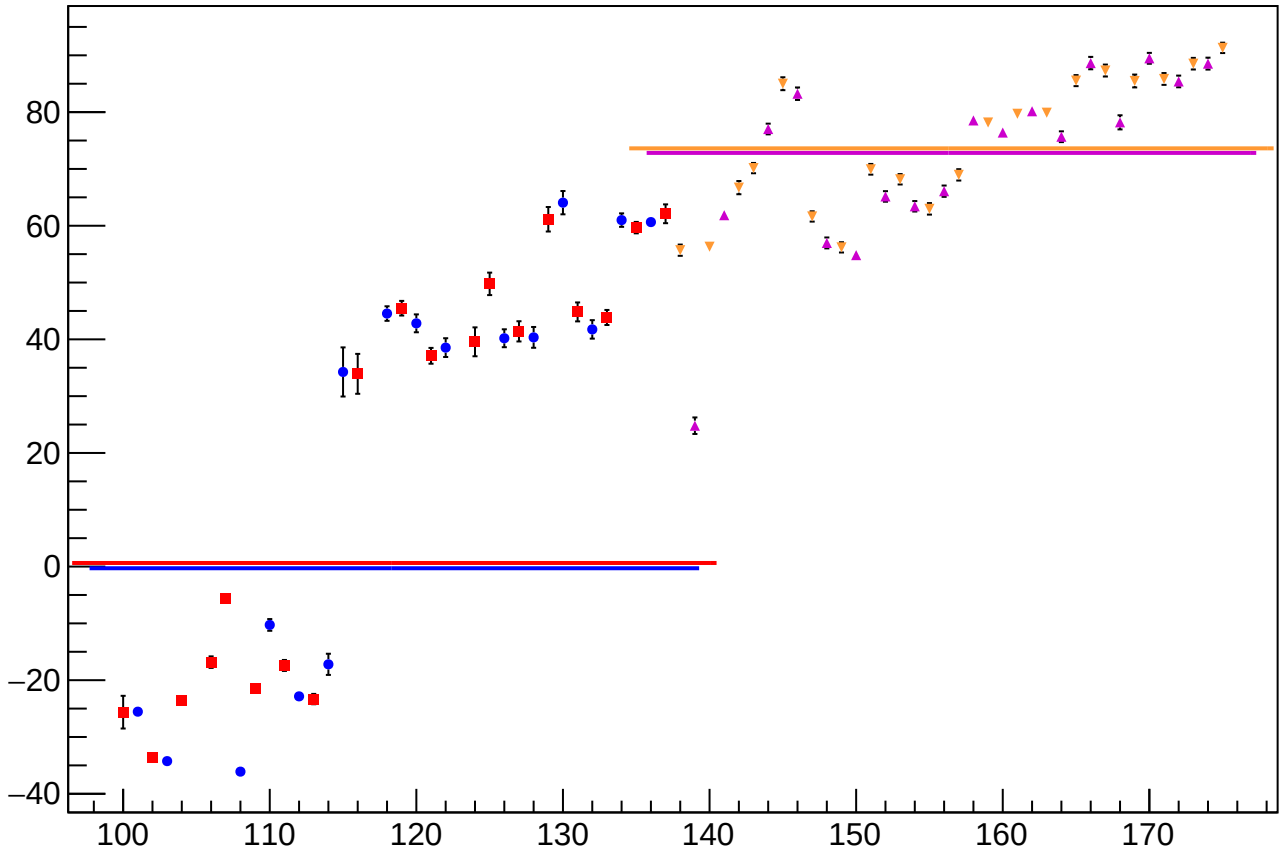
Left: 52.159+/-0.181 χ^2/NDF: 1982.9/37

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 30.332+/-0.166 χ^2/NDF:18036.9/33

Out: 31.230+/-0.164 χ^2/NDF:17065.5/38

All: 30.786+/-0.117 χ^2/NDF: 35117.2/72



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 73.624+/-0.209 χ^2/NDF:3007.2/19

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 72.822+/-0.223 χ^2/NDF:3360.0/17

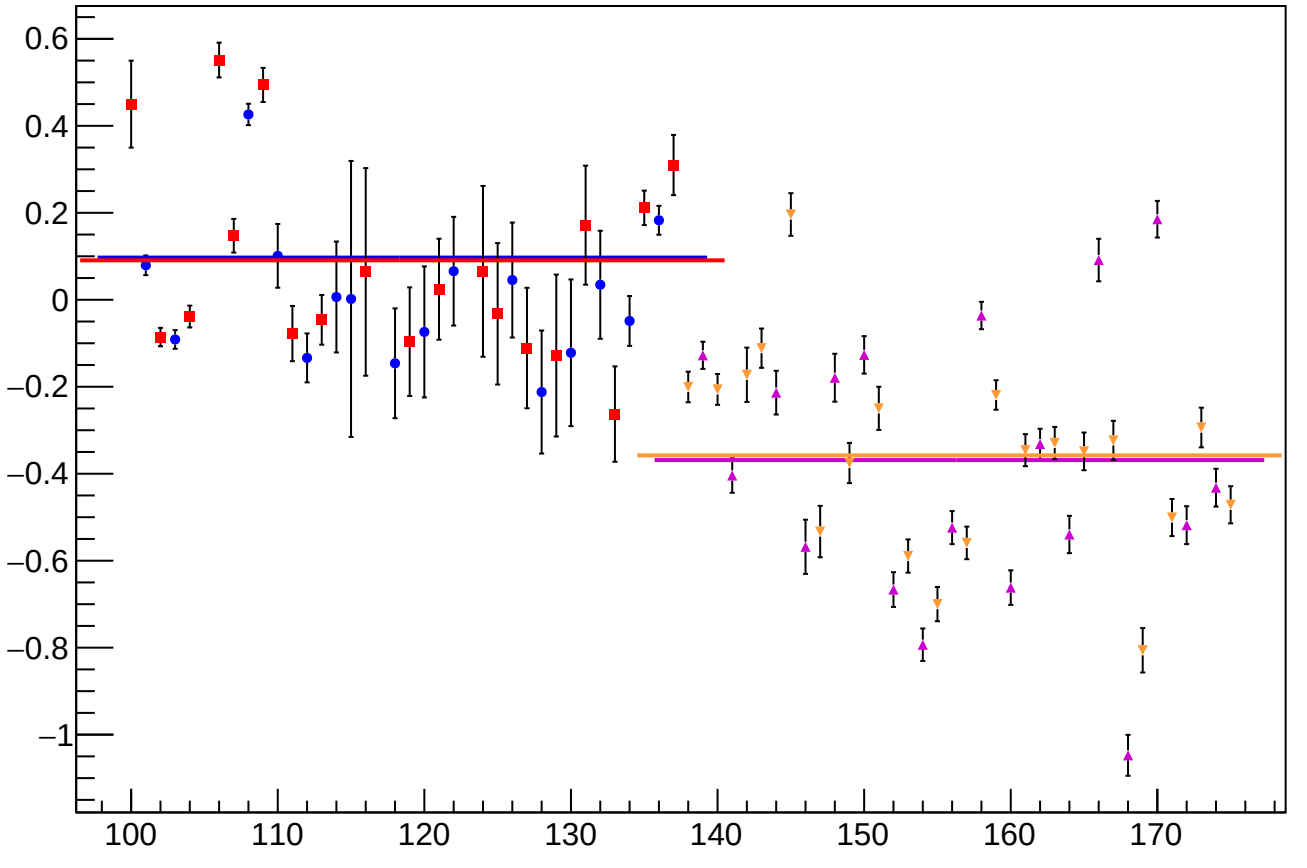
Left: 73.249+/-0.153 χ^2/NDF: 6374.1/37

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 41.989+/-0.170 χ^2/NDF:69639.2/33

Out: 45.418+/-0.164 χ^2/NDF:66076.2/38

All: 43.764+/-0.118 χ^2/NDF: 135926.6/72



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.358+/-0.009 χ^2/NDF:474.4/19

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.369+/-0.010 χ^2/NDF:990.2/17

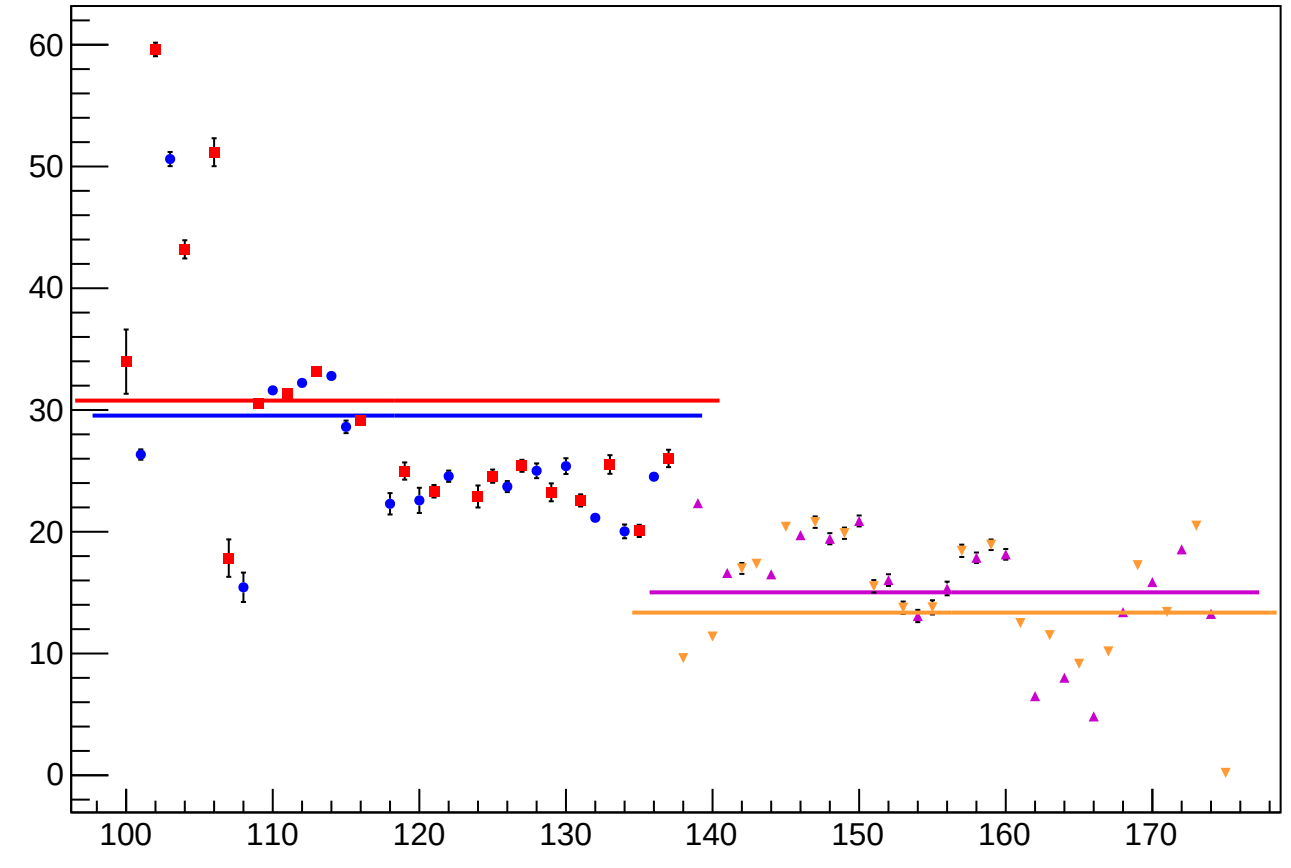
Left: -0.363+/-0.007 χ^2/NDF: 1465.3/37

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.170+/-0.007 χ^2/NDF:2278.0/33

Out: -0.176+/-0.007 χ^2/NDF:1794.5/38

All: -0.173+/-0.005 χ^2/NDF: 4072.9/72



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.360+/-0.080 χ^2/NDF:5787.5/19

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 15.024+/-0.084 χ^2/NDF:3148.2/17

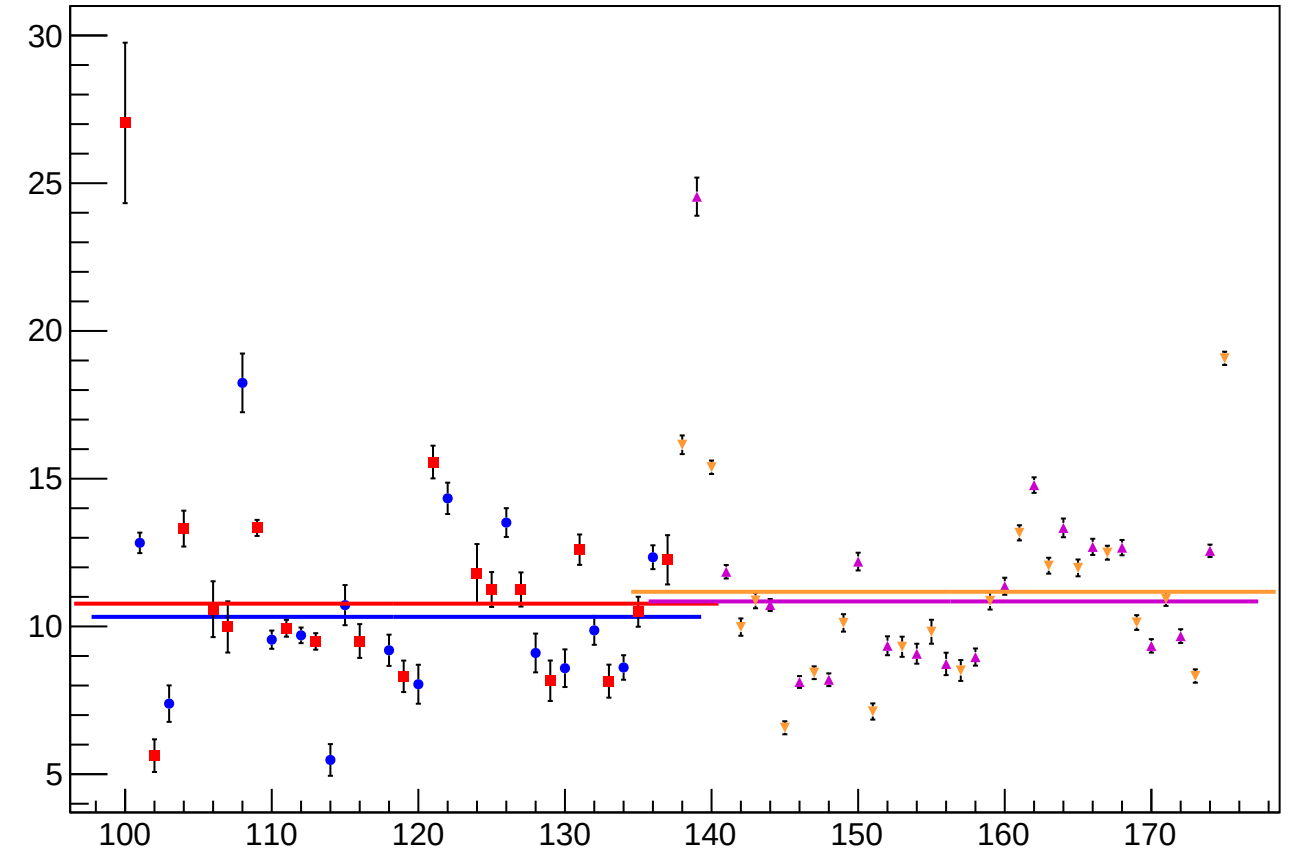
Left: 14.151+/-0.058 χ^2/NDF: 9142.2/37

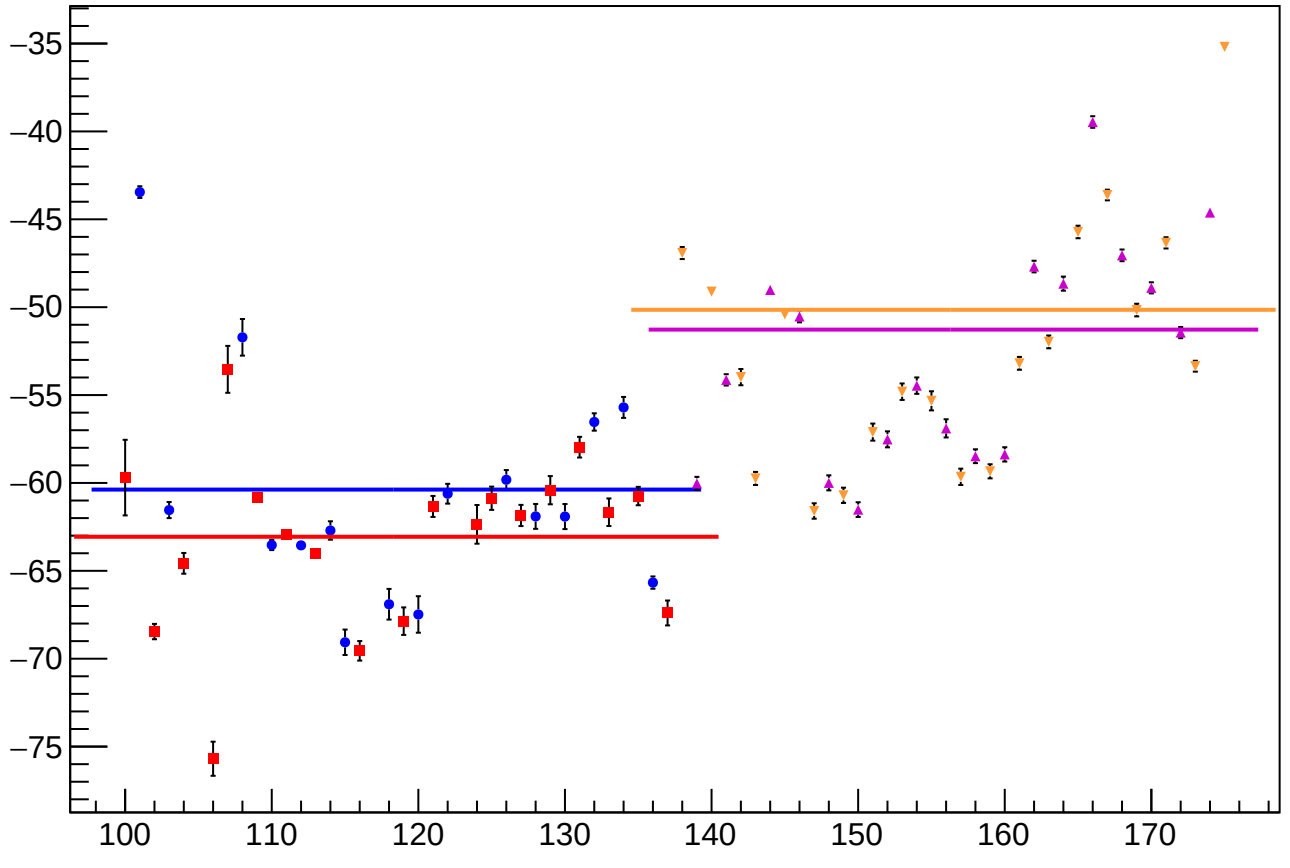
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 21.618+/-0.062 χ^2/NDF:20125.2/33

Out: 22.038+/-0.057 χ^2/NDF:34547.3/38

All: 21.847+/-0.042 χ^2/NDF: 54697.6/72


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 11.173+/-0.059 χ²/NDF:3057.2/19
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 10.846+/-0.061 χ²/NDF:1467.2/17
Left: 11.016+/-0.042 χ²/NDF: 4539.2/37
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.729+/-0.054 χ²/NDF:1886.2/33
Out: 11.087+/-0.052 χ²/NDF:3483.0/38
All: 10.914+/-0.038 χ²/NDF: 5391.9/72



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -50.148+/-0.080 χ^2/NDF:8316.0/19

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -51.276+/-0.084 χ^2/NDF:5022.7/17

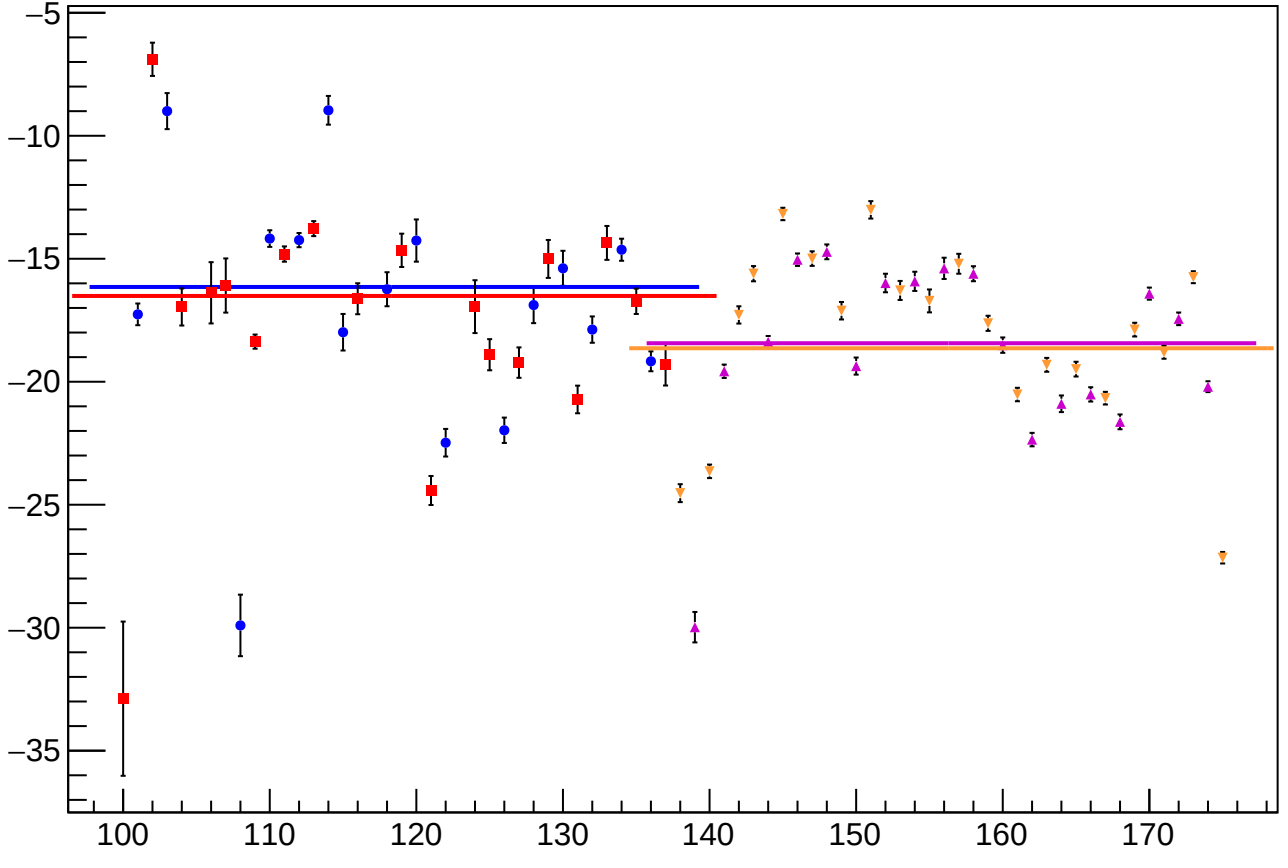
Left: -50.685+/-0.058 χ^2/NDF: 13434.2/37

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -54.493+/-0.067 χ^2/NDF:12814.3/33

Out: -54.733+/-0.064 χ^2/NDF:18509.3/38

All: -54.619+/-0.046 χ^2/NDF: 31330.3/72



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.639+/-0.067 χ^2/NDF:3315.8/19

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.435+/-0.070 χ^2/NDF:1490.1/17

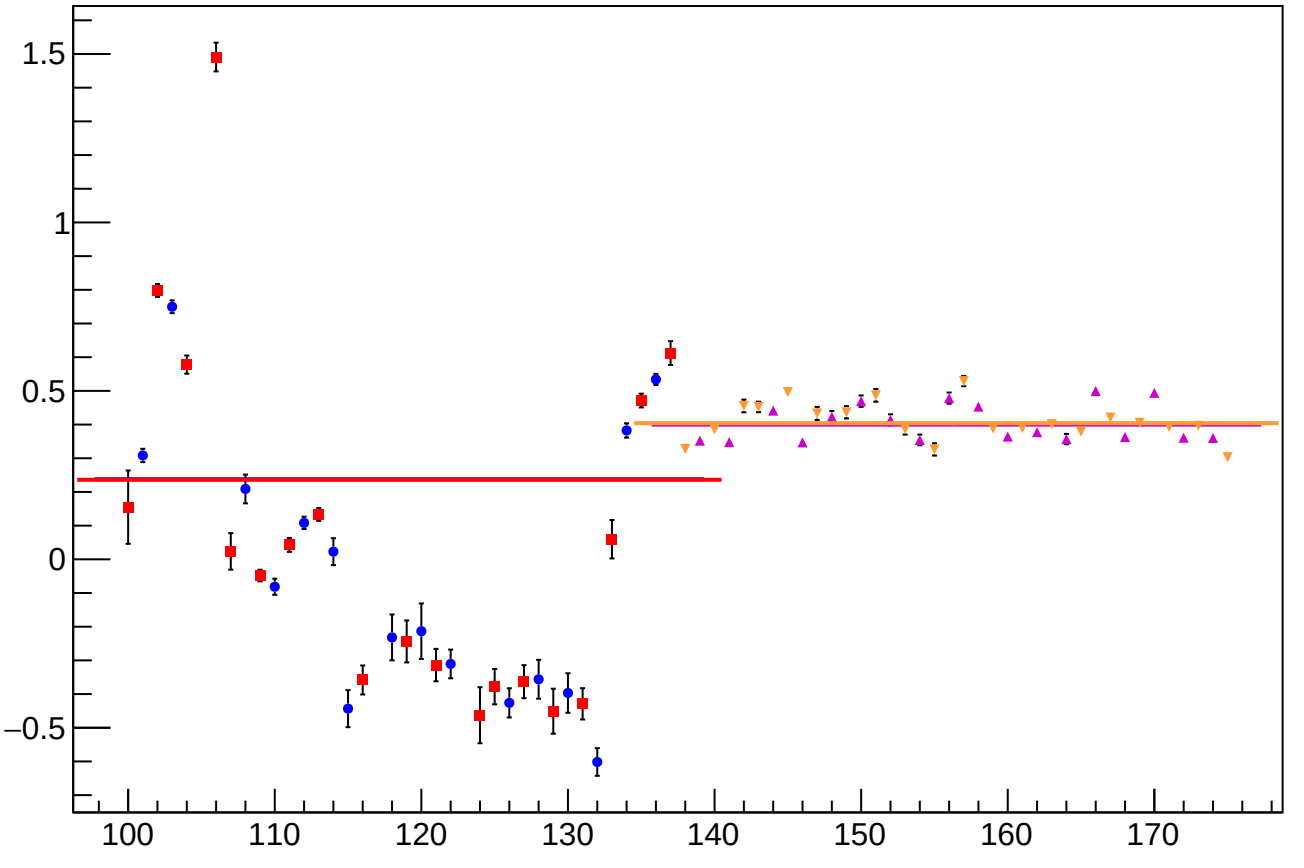
Left: -18.541+/-0.048 χ^2/NDF: 4810.4/37

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.905+/-0.061 χ^2/NDF:2535.9/33

Out: -18.165+/-0.059 χ^2/NDF:4226.7/38

All: -18.040+/-0.042 χ^2/NDF: 6772.0/72



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.404+/-0.003 χ^2/NDF:326.3/19

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.400+/-0.003 χ^2/NDF:309.2/17

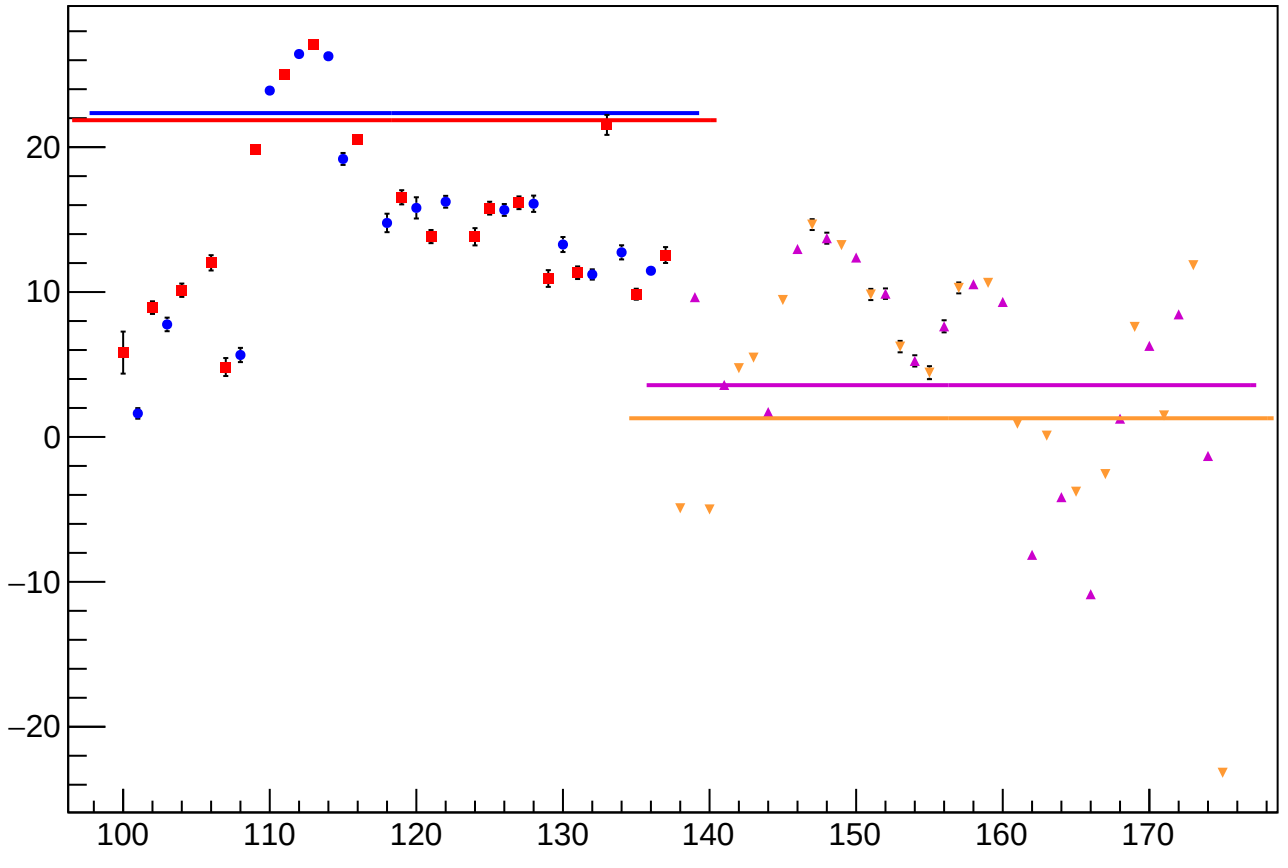
Left: 0.402+/-0.002 χ^2/NDF: 636.5/37

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.374+/-0.003 χ^2/NDF:3383.4/33

Out: 0.378+/-0.003 χ^2/NDF:4396.0/38

All: 0.376+/-0.002 χ^2/NDF: 7780.8/72



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.290+/-0.065 χ^2/NDF:23598.6/19

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 3.574+/-0.069 χ^2/NDF:10205.5/17

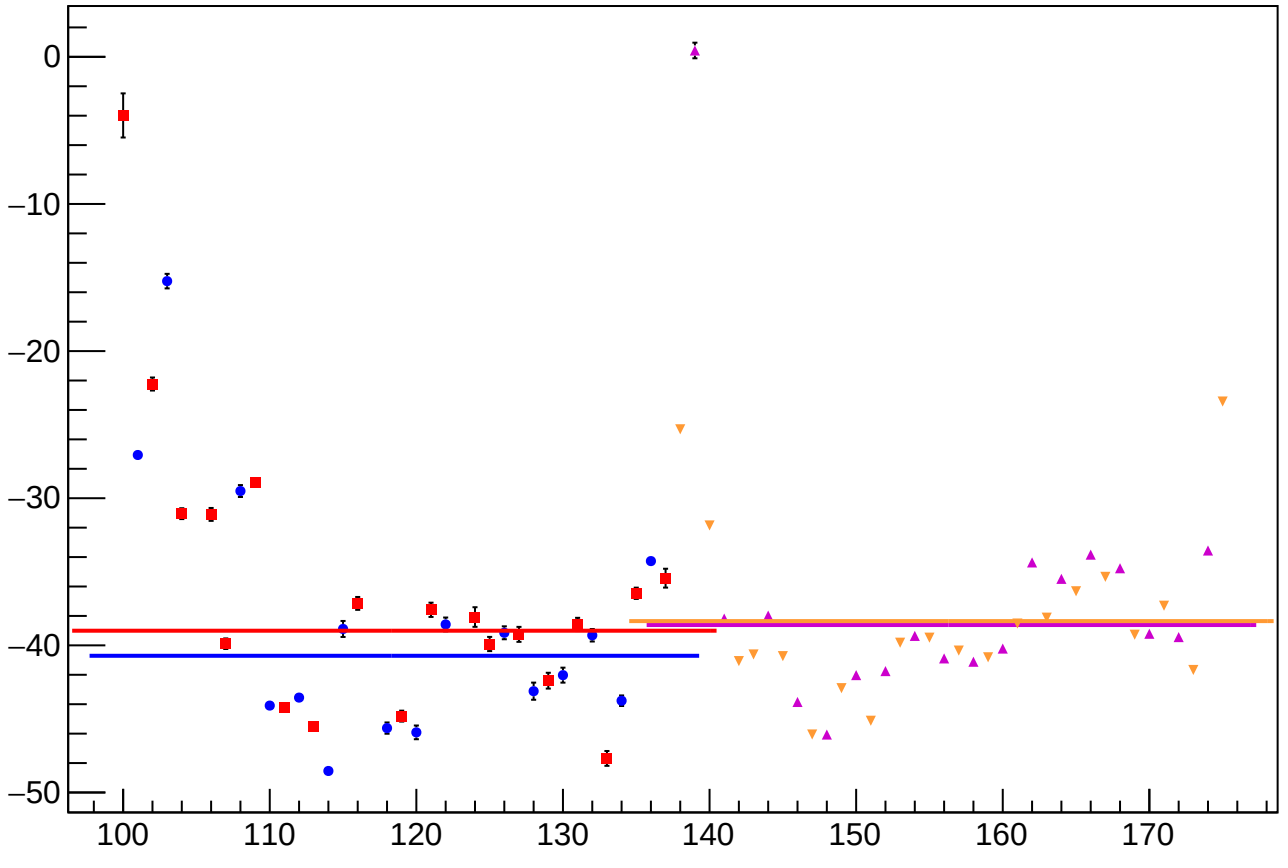
Left: 2.360+/-0.047 χ^2/NDF: 34386.7/37

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 14.800+/-0.044 χ^2/NDF:66862.3/33

Out: 14.907+/-0.038 χ^2/NDF:101034.6/38

All: 14.862+/-0.029 χ^2/NDF: 167900.3/72



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.352+/-0.047 χ^2/NDF:14272.5/19

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -38.619+/-0.051 χ^2/NDF:10683.1/17

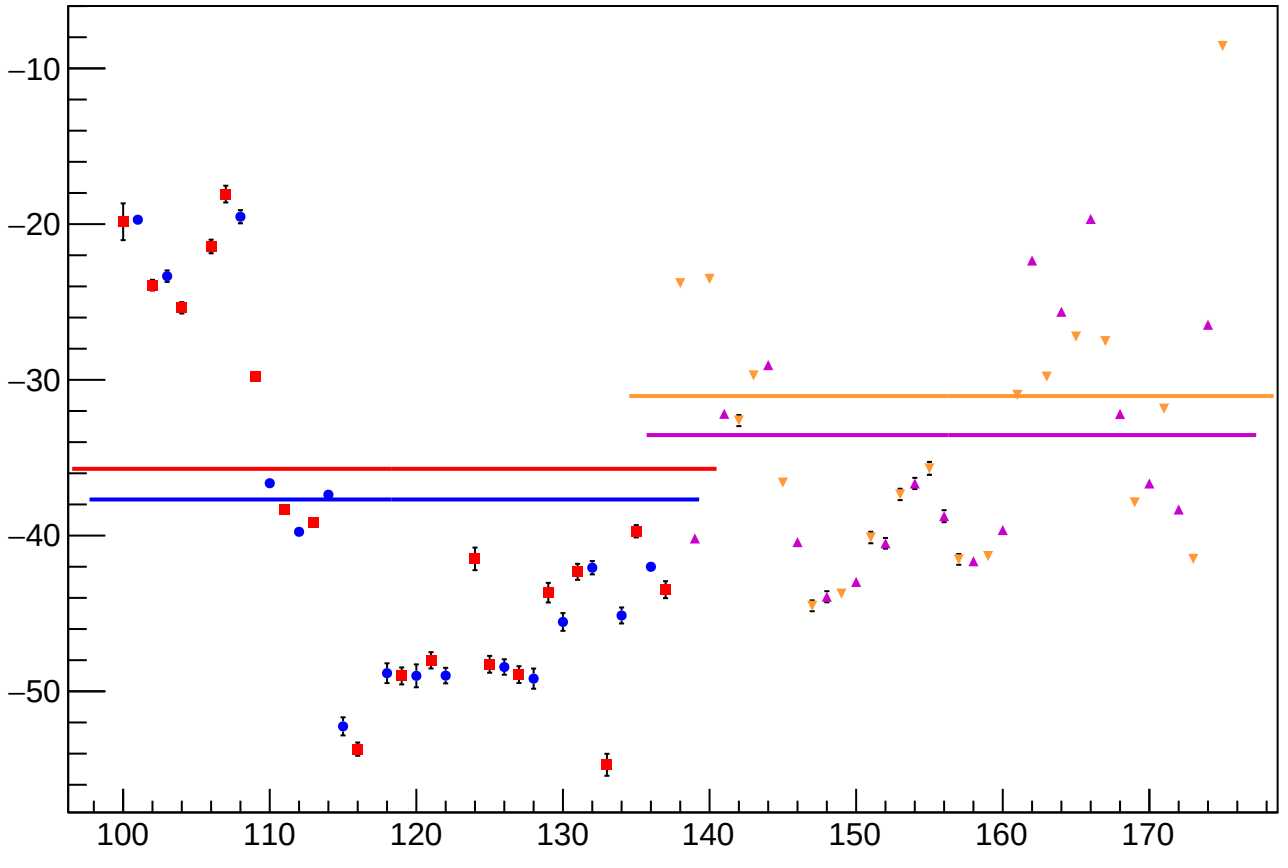
Left: -38.476+/-0.035 χ^2/NDF: 24970.5/37

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.254+/-0.042 χ^2/NDF:18983.2/33

Out: -38.552+/-0.039 χ^2/NDF:24432.4/38

All: -38.879+/-0.029 χ^2/NDF: 43563.6/72



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -31.040+/-0.064 χ^2/NDF:22218.0/19

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -33.543+/-0.068 χ^2/NDF:11273.3/17

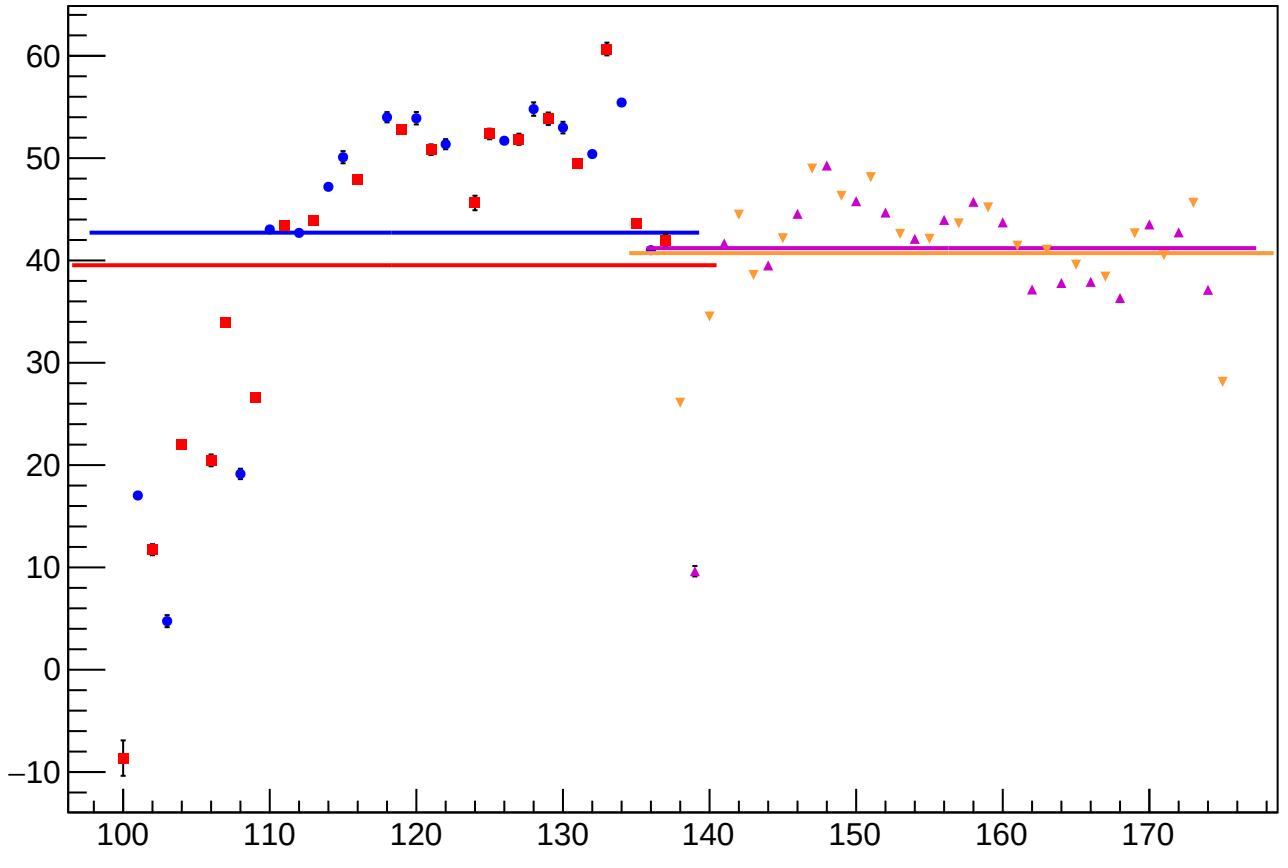
Left: -32.215+/-0.047 χ^2/NDF: 34201.2/37

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.458+/-0.050 χ^2/NDF:23818.1/33

Out: -33.378+/-0.045 χ^2/NDF:38130.4/38

All: -34.317+/-0.034 χ^2/NDF: 62891.7/72



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.718+/-0.054 χ^2/NDF:10914.6/19

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.205+/-0.057 χ^2/NDF:7864.2/17

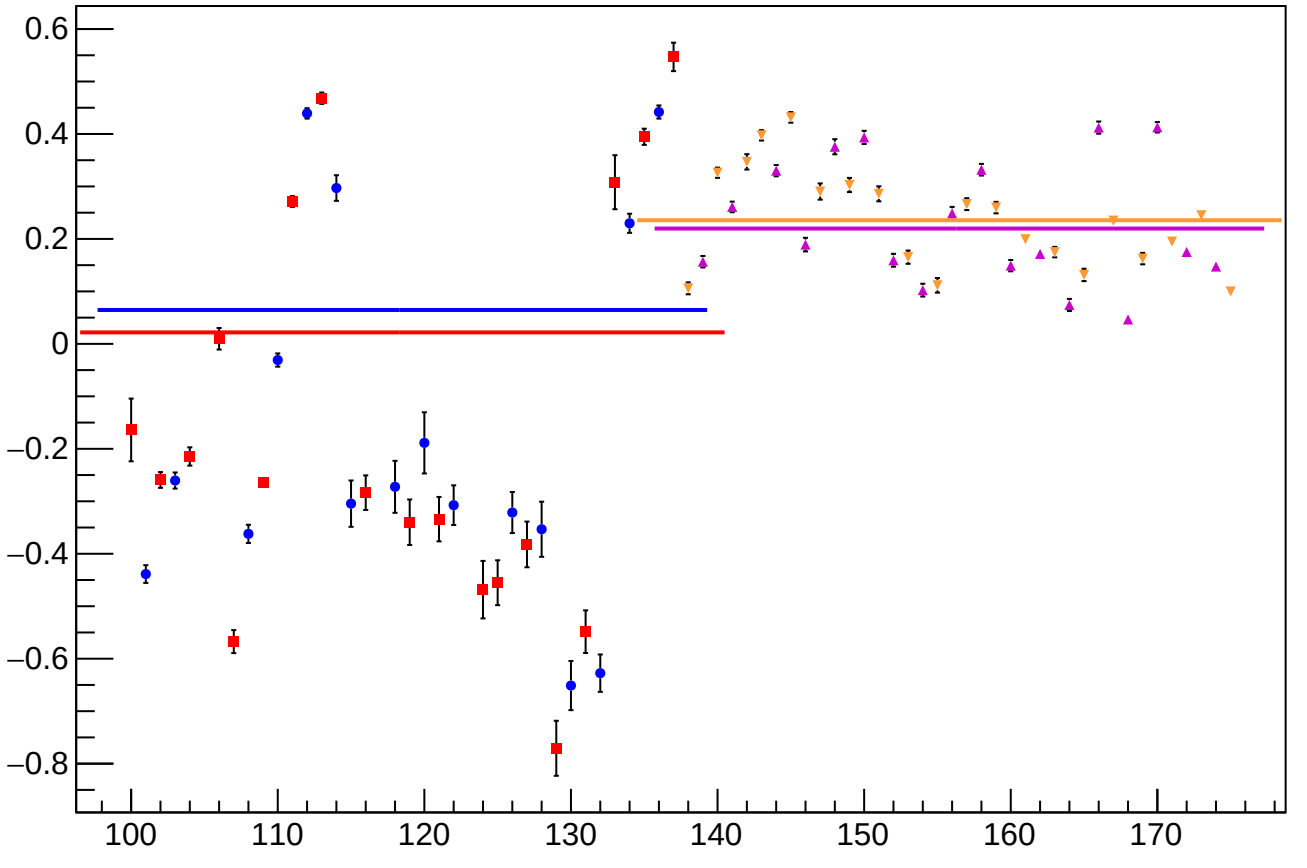
Left: 40.946+/-0.039 χ^2/NDF: 18817.1/37

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.677+/-0.048 χ^2/NDF:22846.8/33

Out: 40.337+/-0.044 χ^2/NDF:29048.5/38

All: 40.961+/-0.032 χ^2/NDF: 52320.7/72



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.236+/-0.002 χ^2/NDF:1483.6/19

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.220+/-0.003 χ^2/NDF:2002.5/17

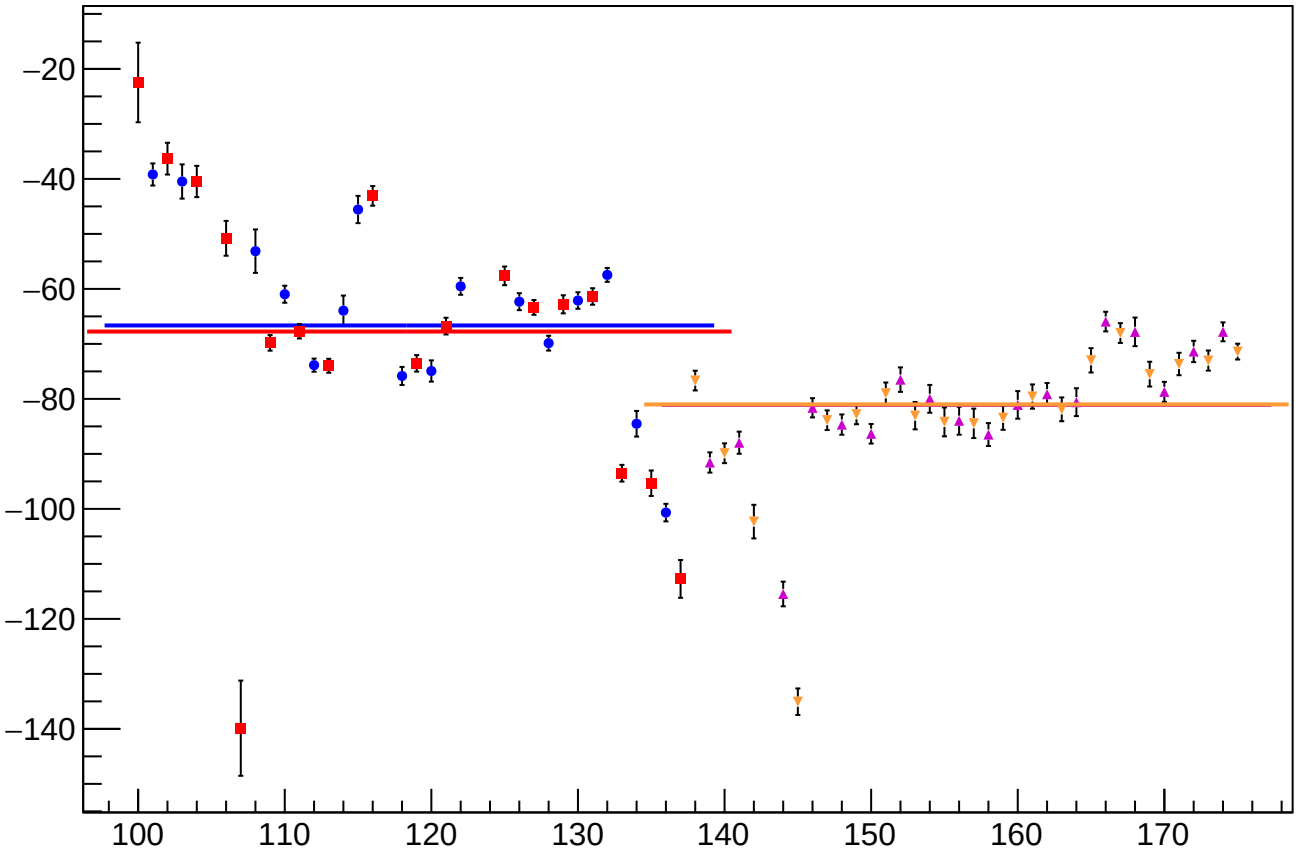
Left: 0.228+/-0.002 χ^2/NDF: 3506.1/37

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.186+/-0.002 χ^2/NDF:8305.4/33

Out: 0.185+/-0.002 χ^2/NDF:9696.2/38

All: 0.185+/-0.002 χ^2/NDF: 18001.9/72



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -81.013+/-0.467 χ^2/NDF:739.4/18

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -81.098+/-0.480 χ^2/NDF:489.4/17

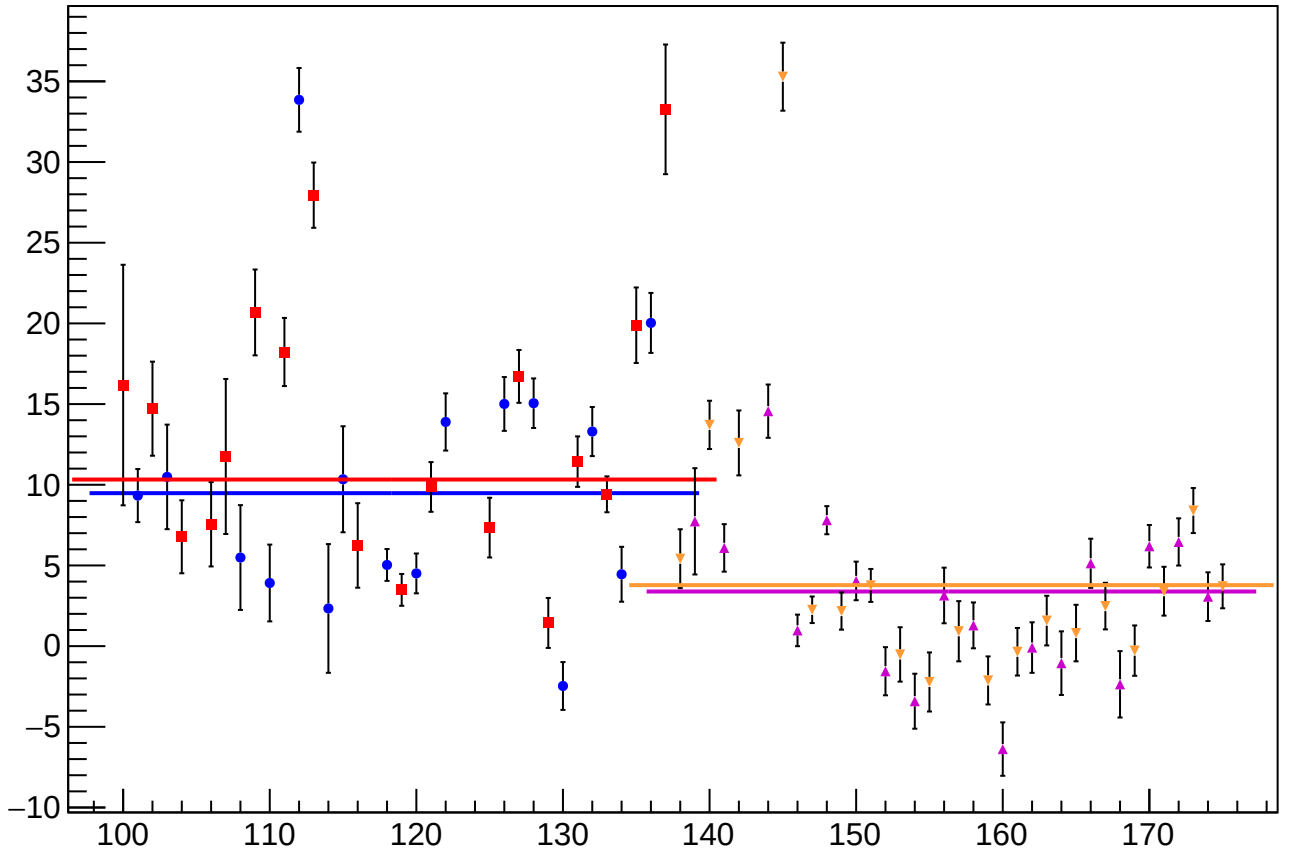
Left: -81.055+/-0.335 χ^2/NDF: 1228.9/36

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.021+/-0.319 χ^2/NDF:2049.1/33

Out: -73.673+/-0.312 χ^2/NDF:2440.7/36

All: -73.354+/-0.223 χ^2/NDF: 4492.0/70



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.781+/-0.326 χ^2/NDF:359.5/18

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.385+/-0.337 χ^2/NDF:175.0/17

Left: 3.590+/-0.235 χ^2/NDF: 535.2/36

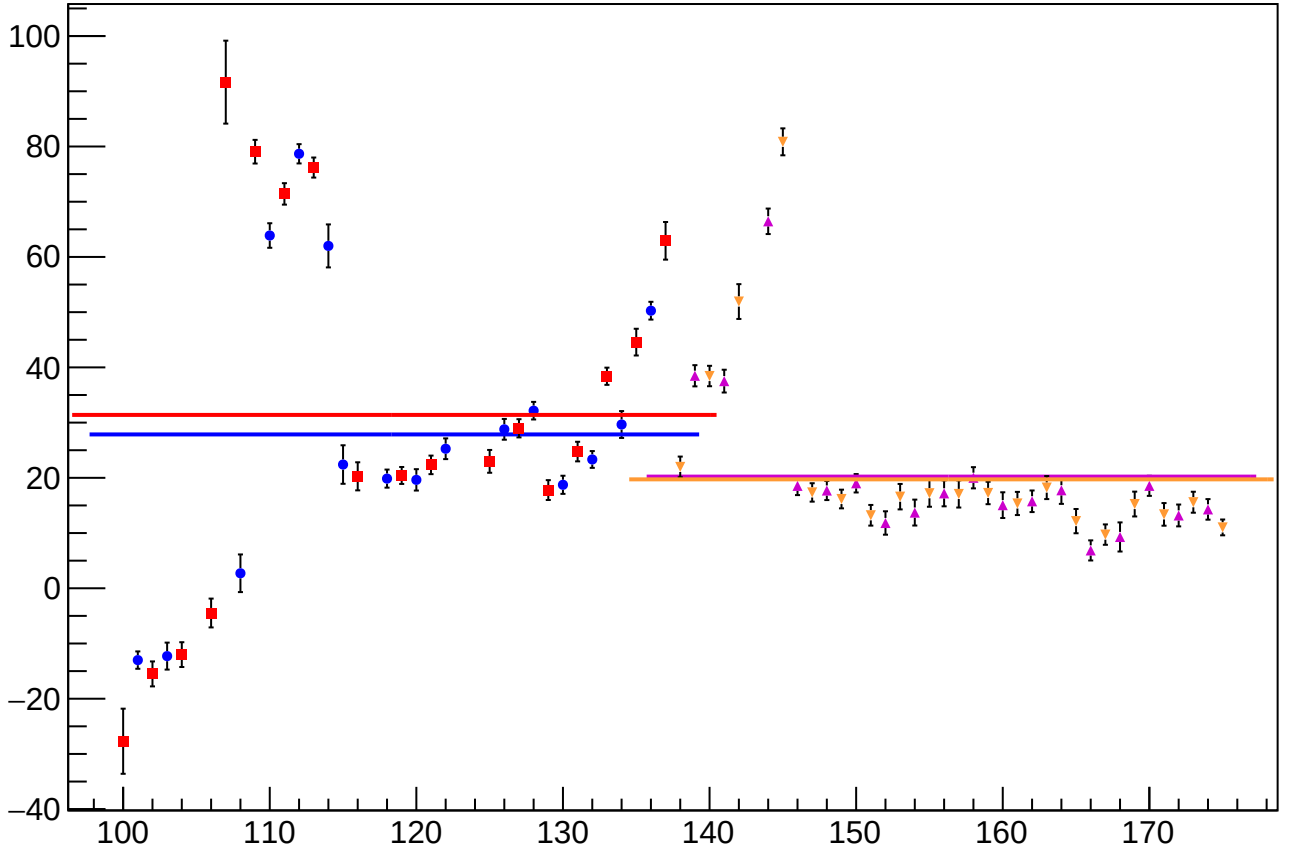
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.719+/-0.265 χ^2/NDF:642.0/33

Out: 6.134+/-0.261 χ^2/NDF:767.4/36

All: 5.930+/-0.186 χ^2/NDF: 1410.6/70

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.724+/-0.458 χ^2/NDF:961.0/18

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 20.222+/-0.471 χ^2/NDF:696.4/17

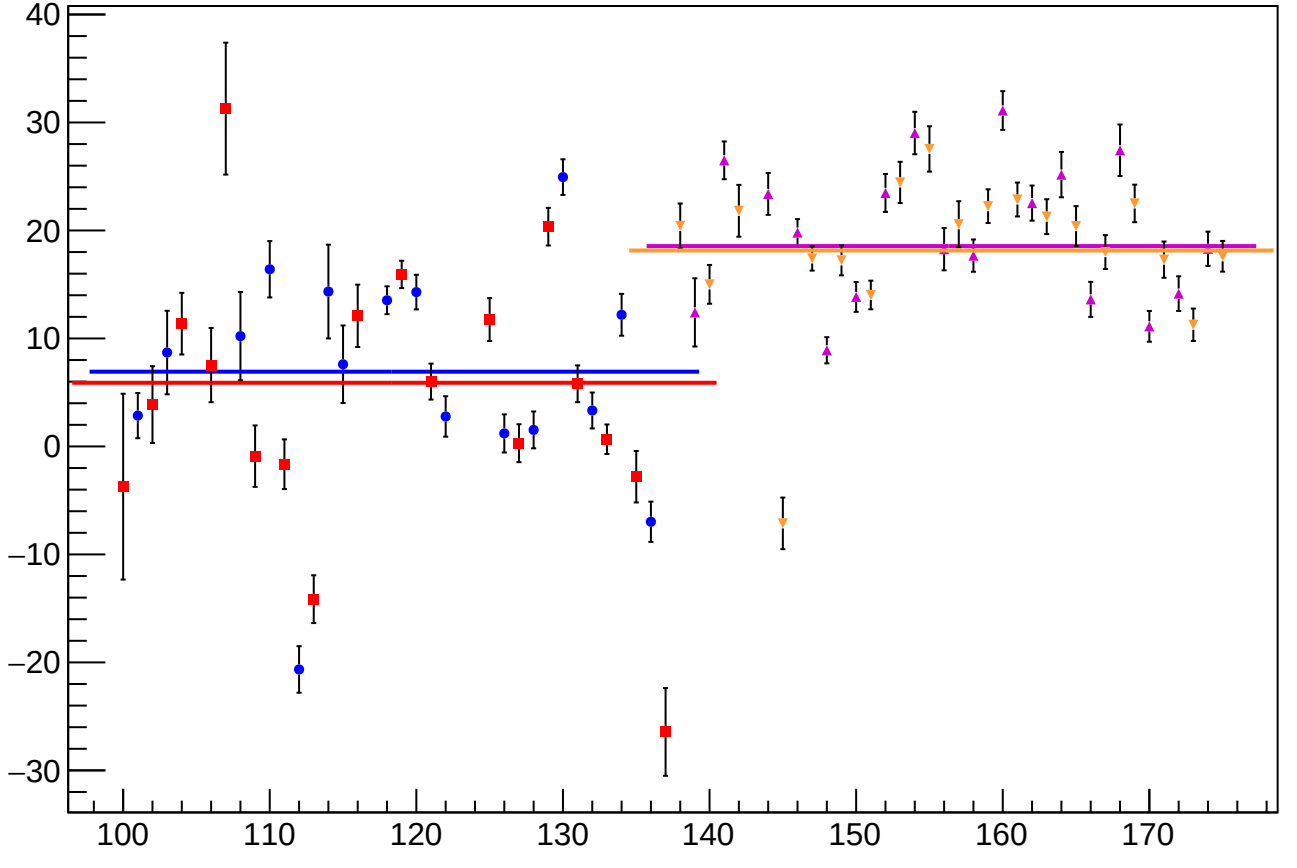
Left: 19.966+/-0.328 χ^2/NDF: 1657.9/36

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 23.950+/-0.337 χ^2/NDF:3298.6/33

Out: 25.197+/-0.334 χ^2/NDF:4276.7/36

All: 24.579+/-0.237 χ^2/NDF: 7582.2/70



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.145+/-0.378 χ^2/NDF:210.1/18

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.553+/-0.390 χ^2/NDF:266.0/17

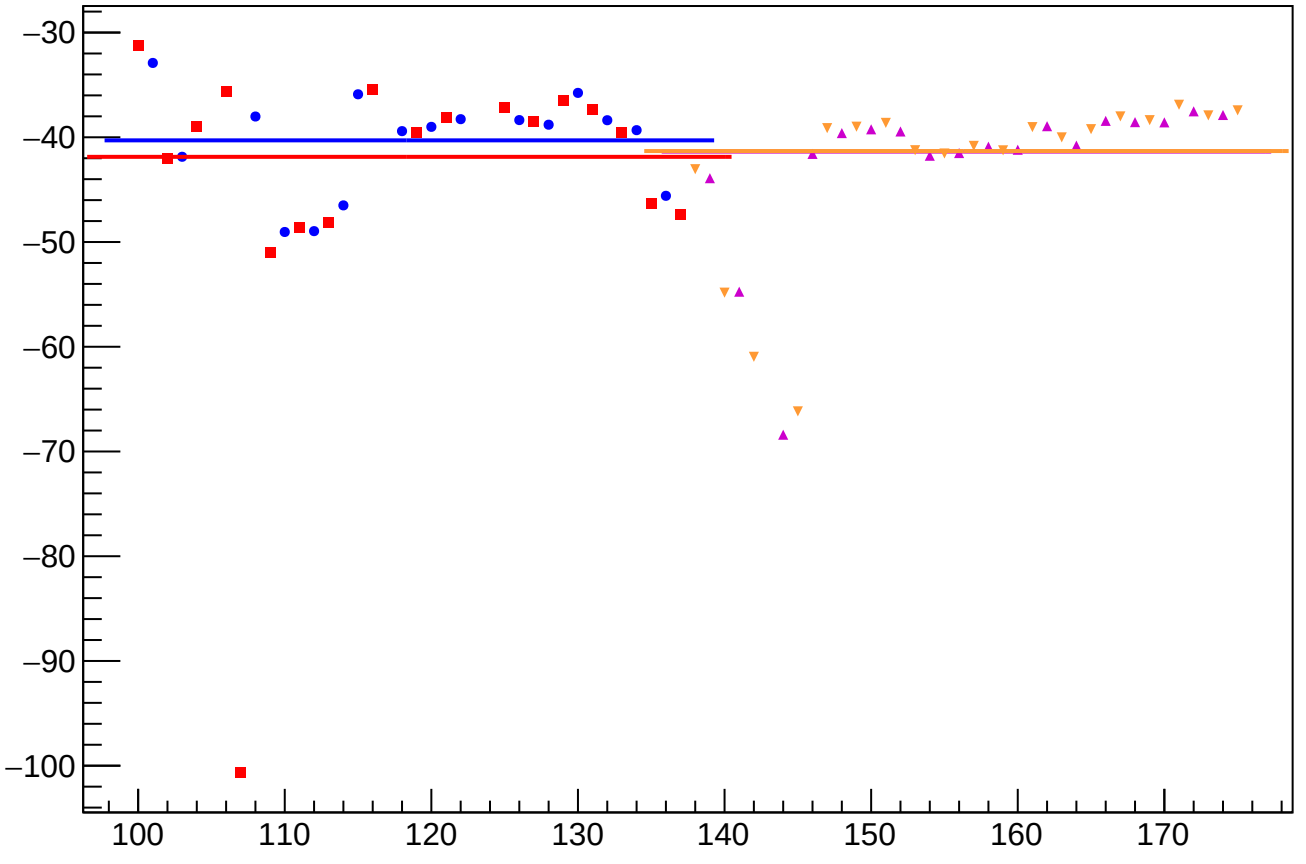
Left: 18.342+/-0.271 χ^2/NDF: 476.7/36

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.108+/-0.306 χ^2/NDF:1050.7/33

Out: 13.716+/-0.302 χ^2/NDF:958.3/36

All: 13.909+/-0.215 χ^2/NDF: 2009.8/70



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.315+/-0.017 χ^2/NDF:136353.2/18

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.366+/-0.018 χ^2/NDF:108458.0/17

Left: -41.340+/-0.012 χ^2/NDF: 244815.5/36

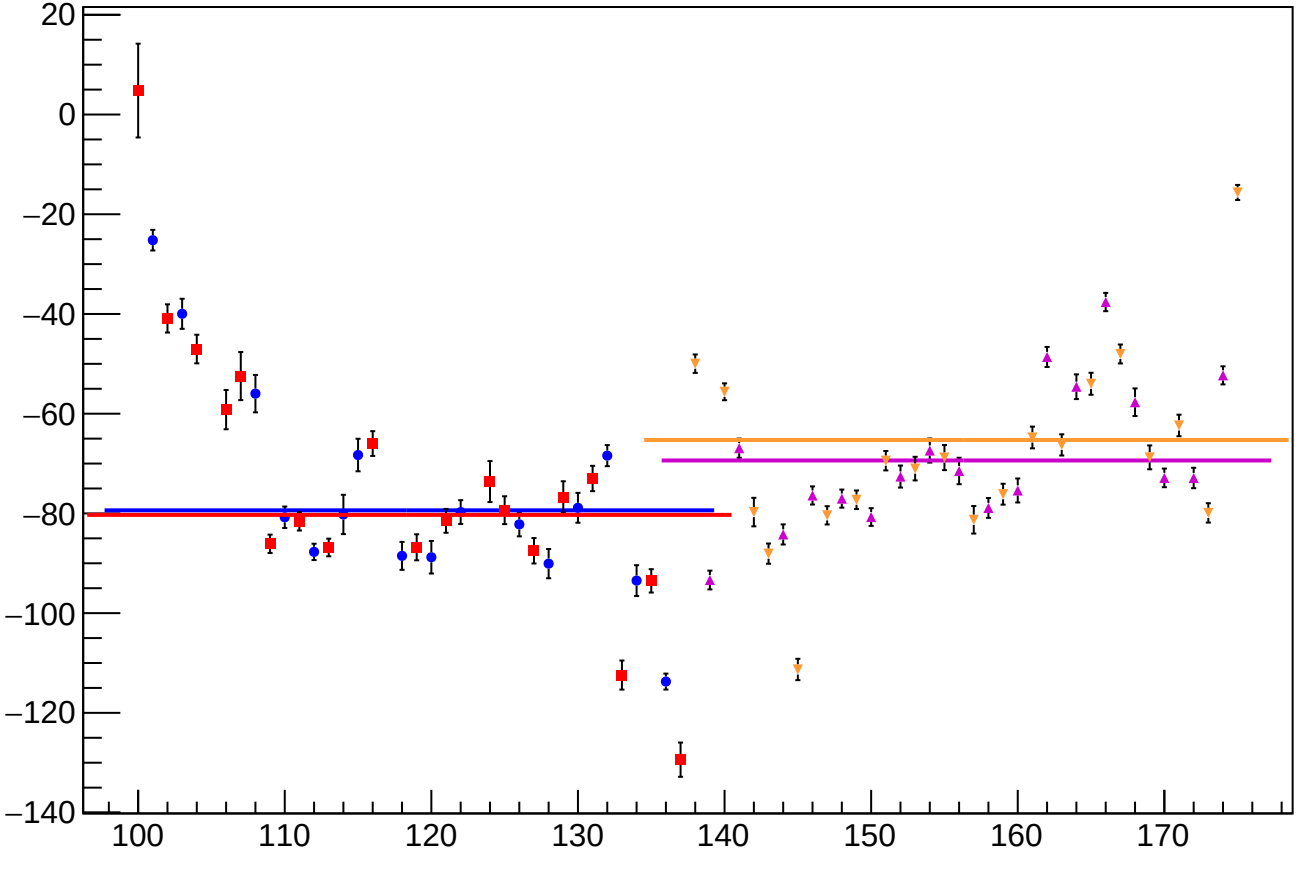
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -41.111+/-0.015 χ^2/NDF:130011.4/33

Out: -41.441+/-0.015 χ^2/NDF:195316.4/36

All: -41.276+/-0.011 χ^2/NDF: 325559.3/70

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -65.273+/-0.458 χ^2/NDF:2137.1/19

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -69.379+/-0.480 χ^2/NDF:879.5/17

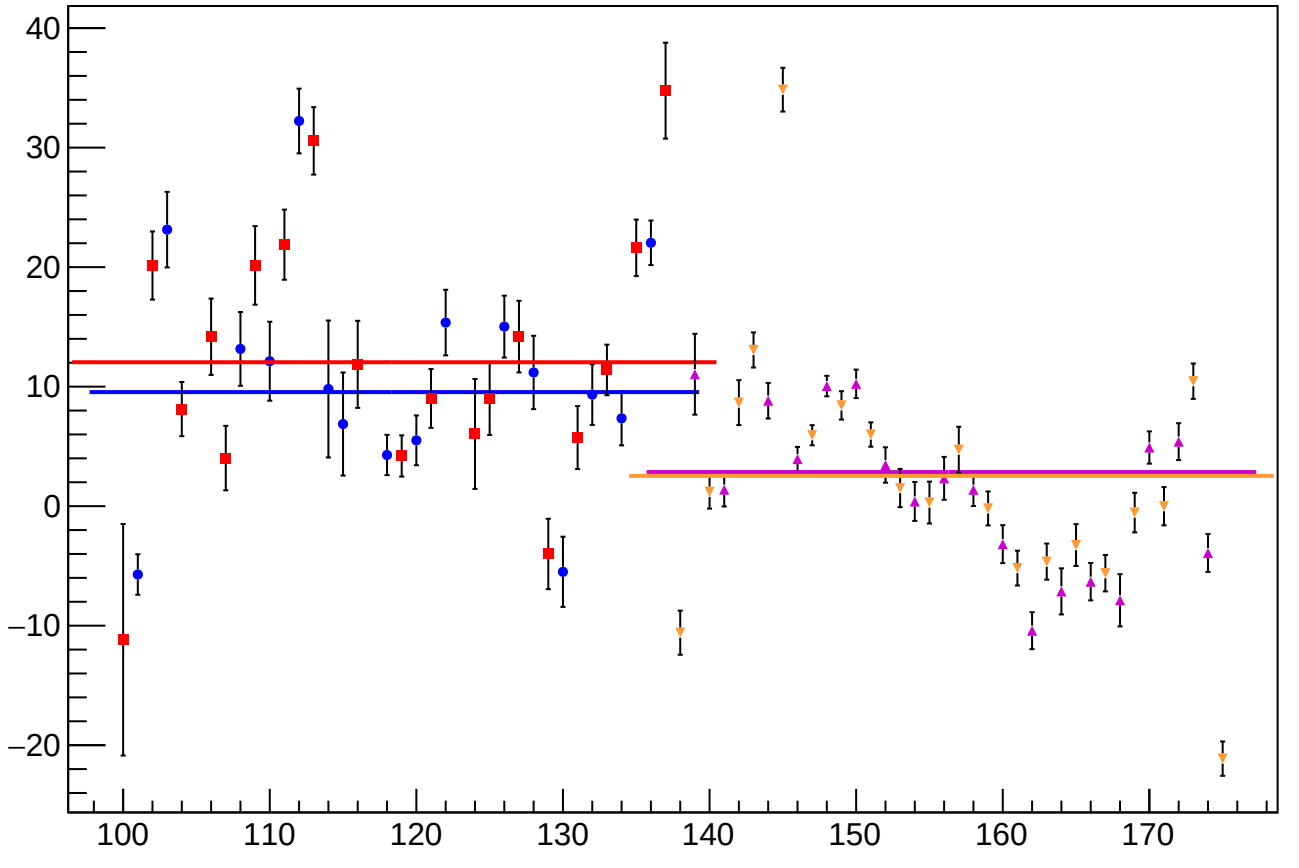
Left: -67.227+/-0.331 χ^2/NDF: 3055.0/37

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

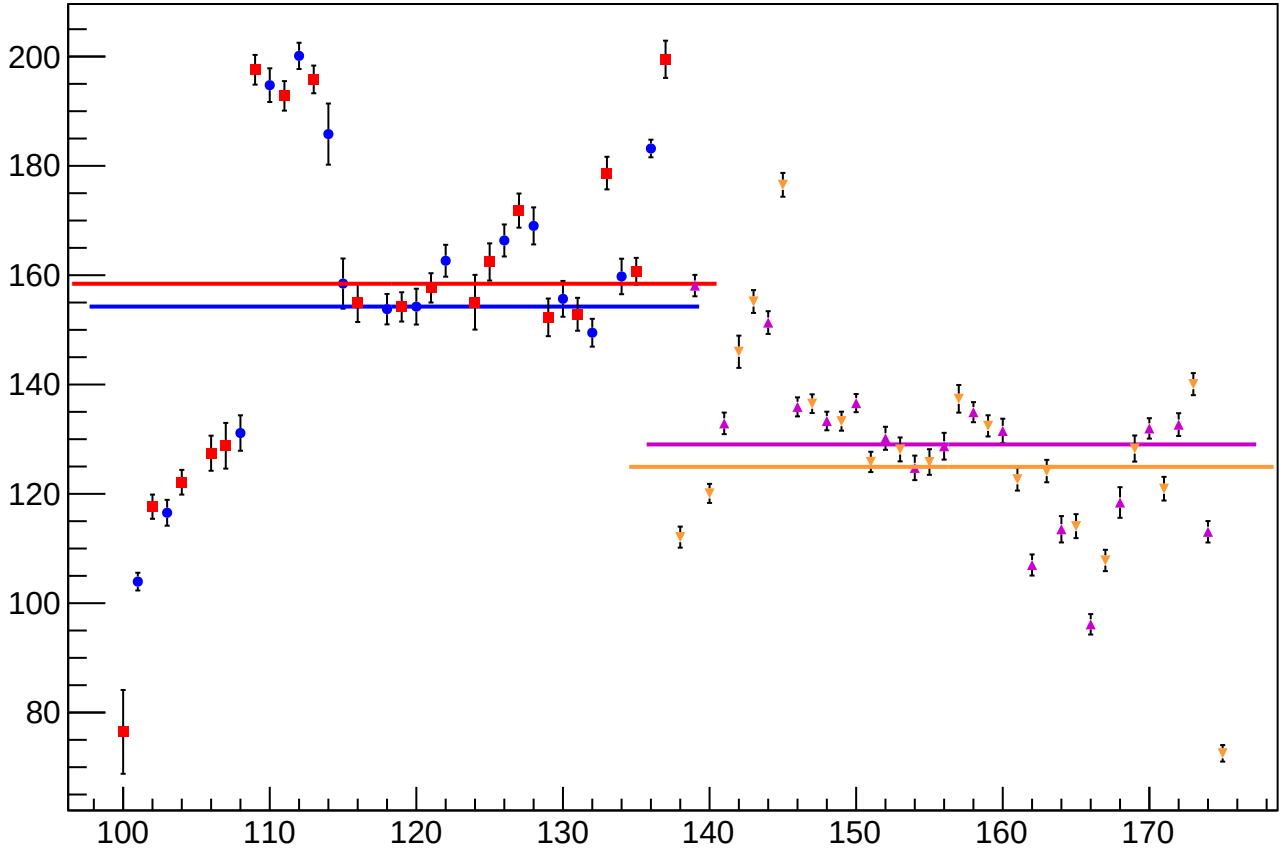
In: -73.200+/-0.378 χ^2/NDF:2521.0/33

Out: -70.752+/-0.365 χ^2/NDF:3444.7/38

All: -71.934+/-0.262 χ^2/NDF: 5987.4/72


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 2.535+/-0.320 χ²/NDF:879.9/19
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.853+/-0.336 χ²/NDF:333.5/17
Left: 2.686+/-0.232 χ²/NDF: 1213.9/37
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.370+/-0.296 χ²/NDF:690.2/33
Out: 4.451+/-0.286 χ²/NDF:1253.8/38
All: 4.412+/-0.206 χ²/NDF: 1944.1/72

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.937+/-0.450 χ^2/NDF:2349.1/19

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 129.042+/-0.471 χ^2/NDF:964.4/17

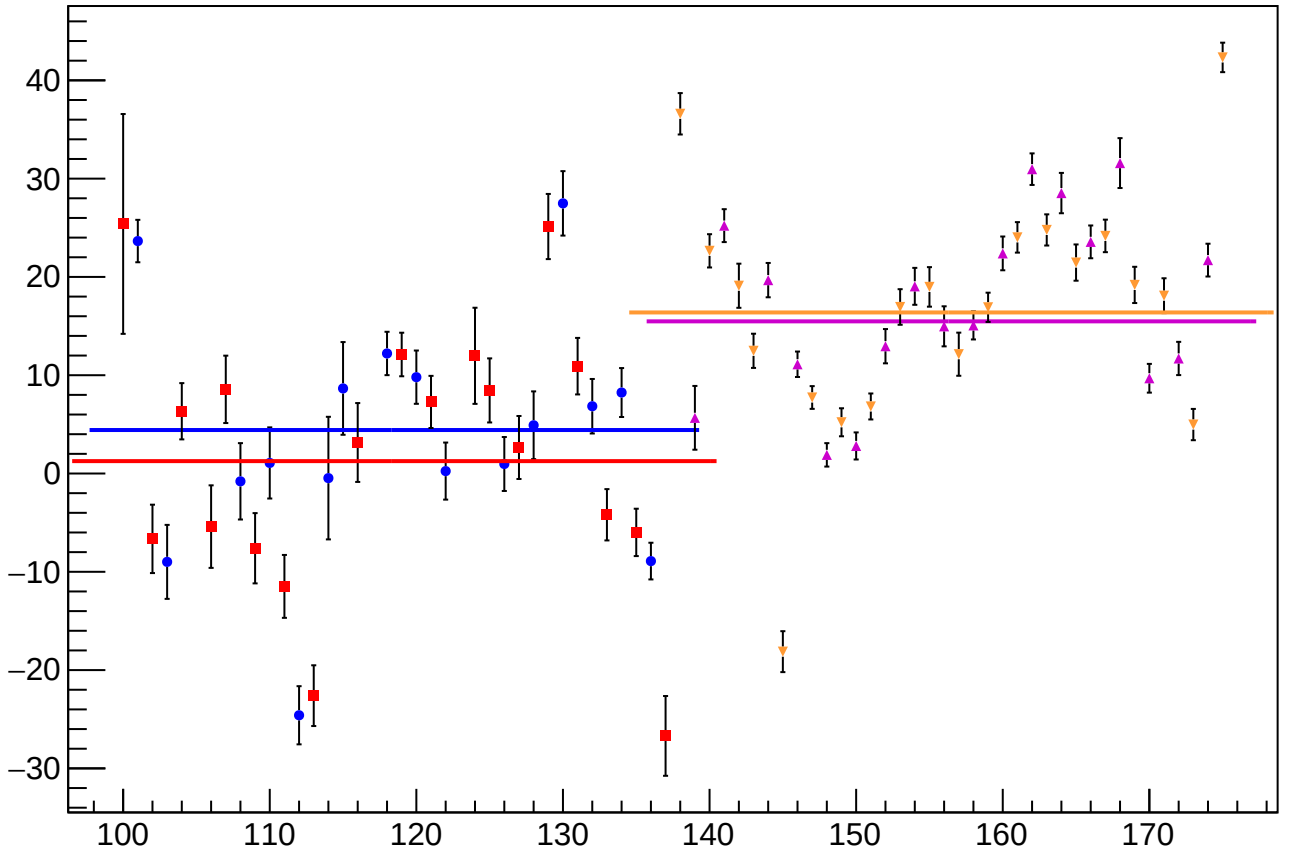
Left: 126.894+/-0.325 χ^2/NDF: 3353.2/37

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 137.524+/-0.384 χ^2/NDF:4141.9/33

Out: 135.078+/-0.376 χ^2/NDF:5692.6/38

All: 136.275+/-0.268 χ^2/NDF: 9855.2/72



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.386+/-0.371 χ^2/NDF:998.2/19

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.480+/-0.389 χ^2/NDF:528.5/17

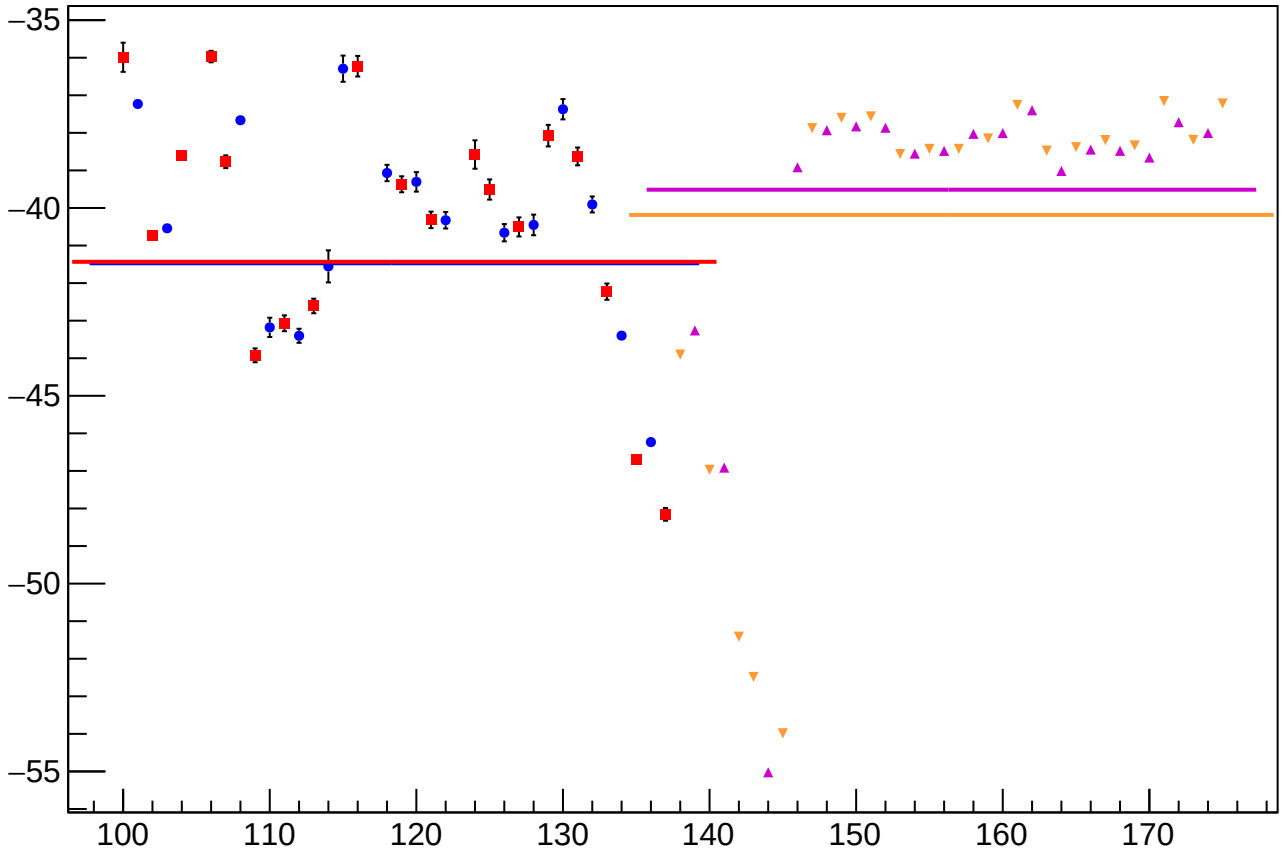
Left: 15.955+/-0.268 χ^2/NDF: 1529.5/37

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.948+/-0.342 χ^2/NDF:1029.5/33

Out: 13.298+/-0.331 χ^2/NDF:1603.2/38

All: 13.129+/-0.238 χ^2/NDF: 2633.2/72



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.185+/-0.017 χ^2/NDF:78338.5/19

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.514+/-0.018 χ^2/NDF:44424.5/17

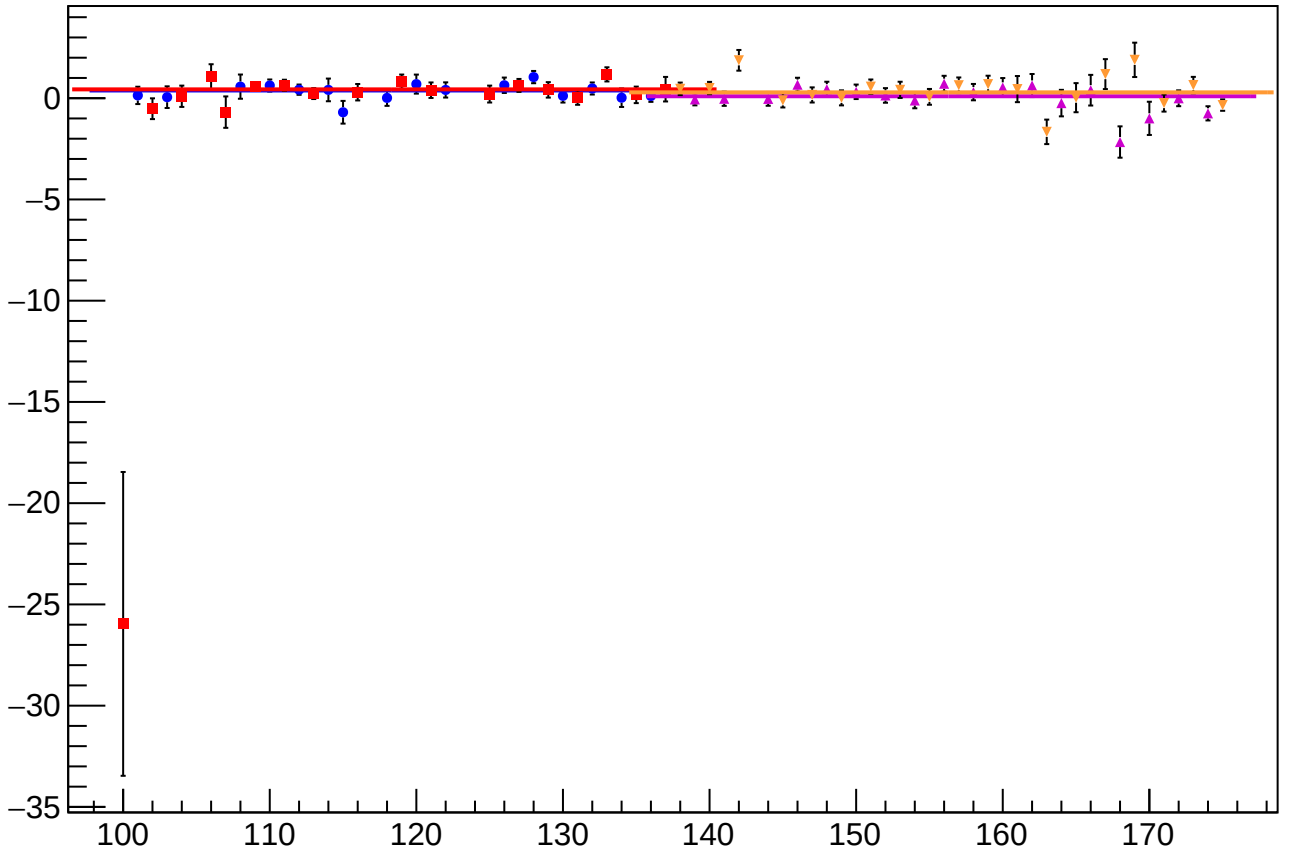
Left: -39.856+/-0.012 χ^2/NDF: 123508.0/37

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.857+/-0.016 χ^2/NDF:54514.1/33

Out: -40.384+/-0.016 χ^2/NDF:87401.9/38

All: -40.123+/-0.011 χ^2/NDF: 142468.3/72



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.289+/-0.093 χ^2/NDF:38.2/18

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.097+/-0.096 χ^2/NDF:26.0/17

Left: 0.196+/-0.067 χ^2/NDF: 66.2/36

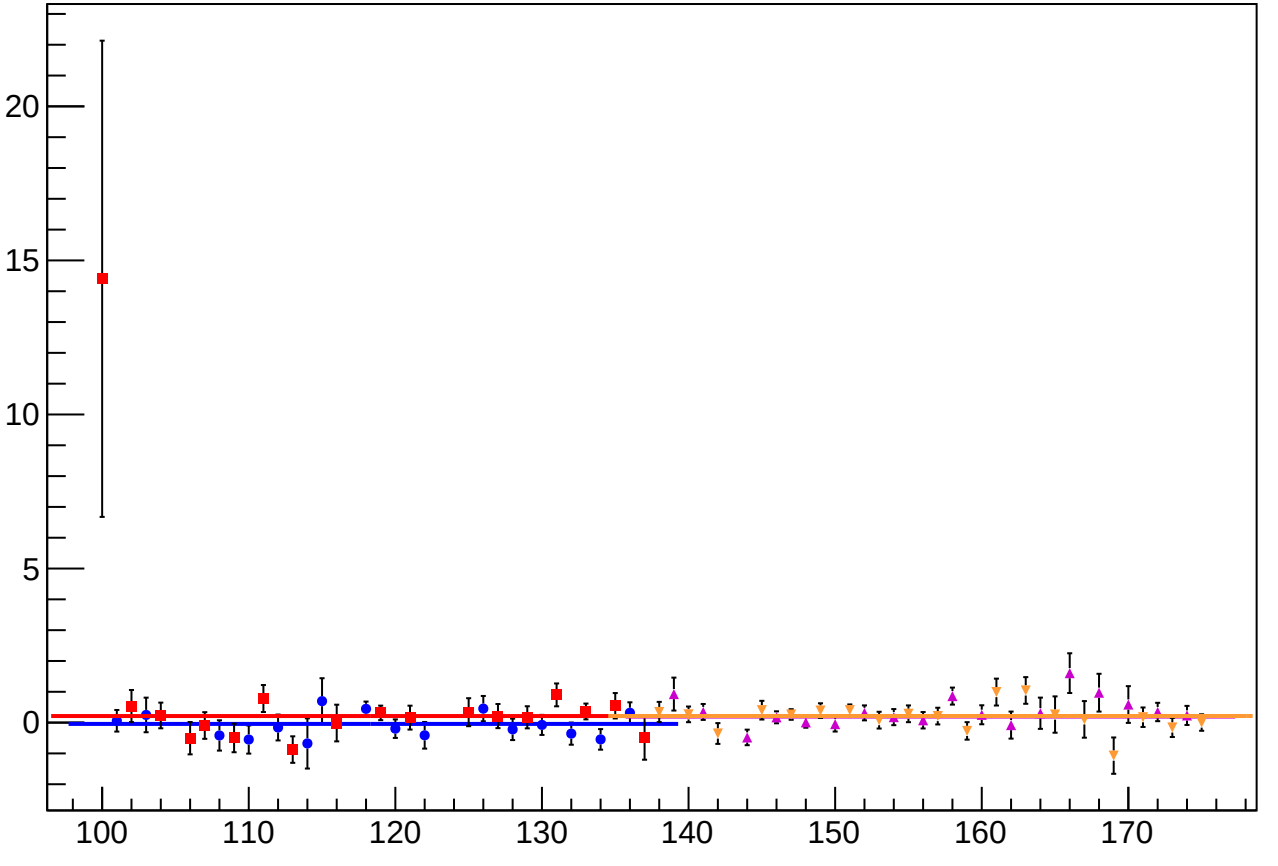
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.245+/-0.066 χ^2/NDF:44.6/33

Out: 0.365+/-0.065 χ^2/NDF:68.4/36

All: 0.307+/-0.046 χ^2/NDF: 114.7/70

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.214+/-0.066 χ^2/NDF:22.1/18

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.196+/-0.068 χ^2/NDF:25.4/17

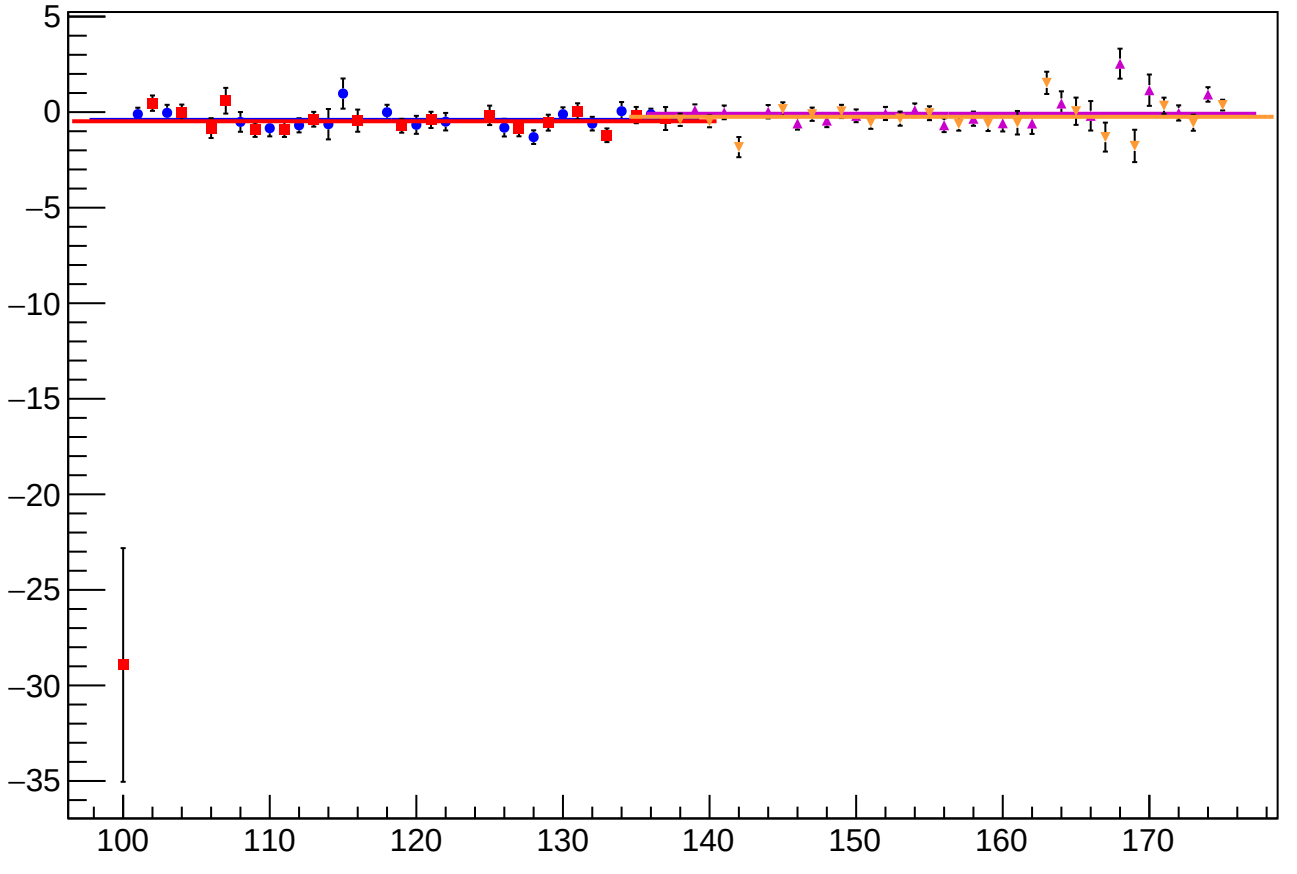
Left: 0.205+/-0.047 χ^2/NDF: 47.5/36

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.115+/-0.055 χ^2/NDF:44.7/33

Out: 0.214+/-0.054 χ^2/NDF:44.5/36

All: 0.165+/-0.039 χ^2/NDF: 90.8/70



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.245+/-0.091 χ^2/NDF:37.1/18

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.086+/-0.094 χ^2/NDF:31.0/17

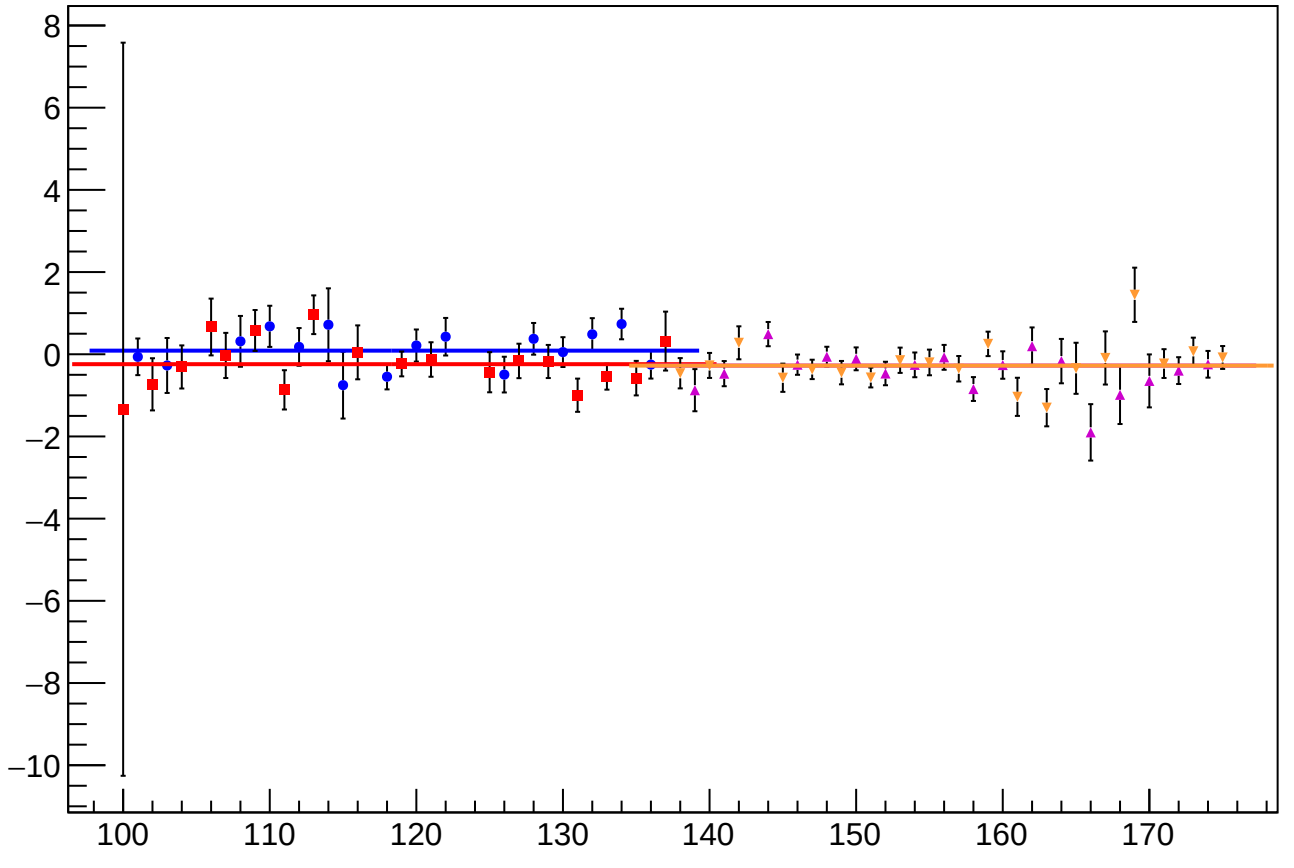
Left: -0.168+/-0.065 χ^2/NDF: 69.5/36

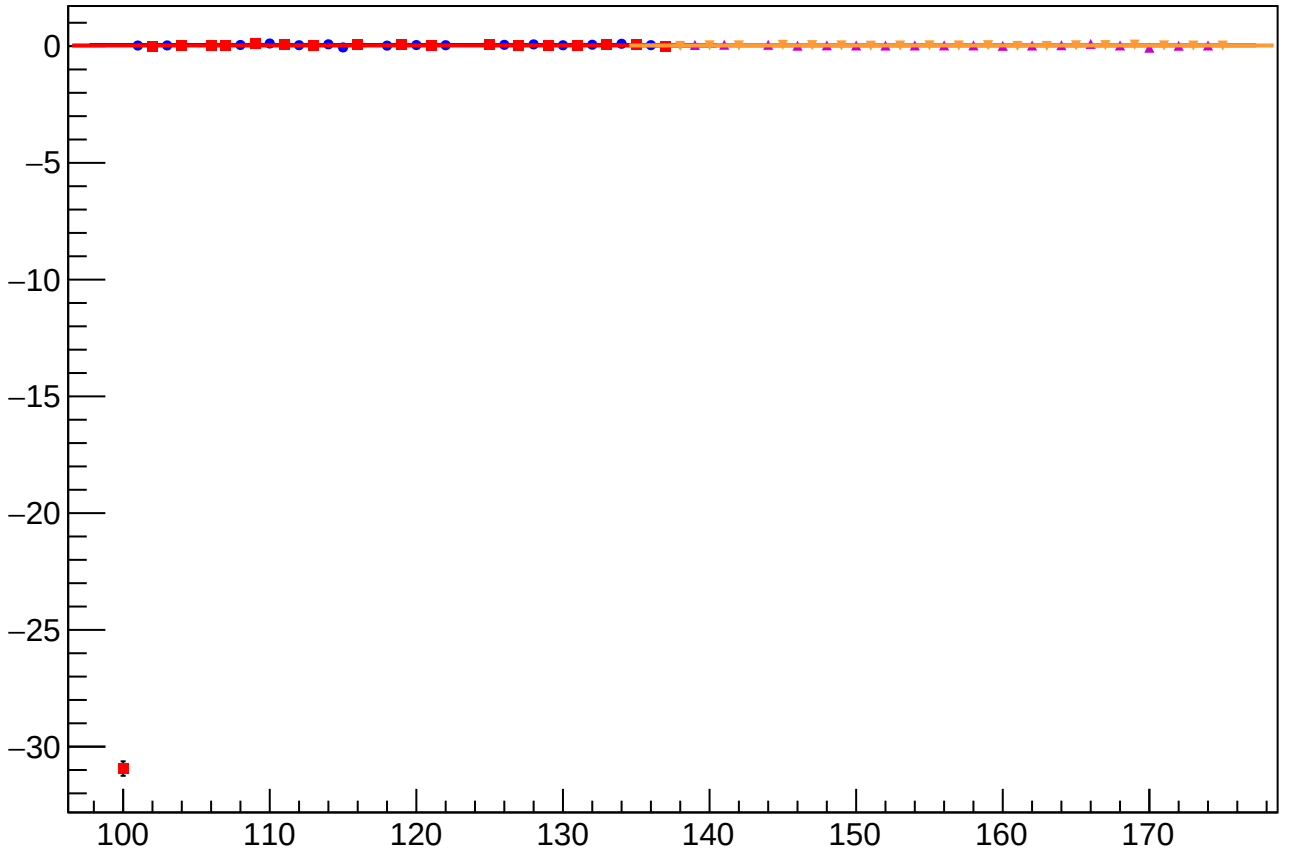
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.231+/-0.069 χ^2/NDF:54.0/33

Out: -0.345+/-0.069 χ^2/NDF:82.2/36

All: -0.289+/-0.049 χ^2/NDF: 137.5/70


reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
−10
100
110
120
130
140
150
160
170
Right In: 0.088+/-0.108 χ²/NDF: 15.9/15
Left Out: -0.276+/-0.077 χ²/NDF:24.6/18
Right Out: -0.241+/-0.110 χ²/NDF: 19.6/17
Left In: -0.275+/-0.079 χ²/NDF:22.6/17
Left: -0.276+/-0.055 χ²/NDF: 47.3/36
Right: -0.075+/-0.077 χ²/NDF: 40.0/33
In: -0.150+/-0.064 χ²/NDF:45.9/33
Out: -0.265+/-0.063 χ²/NDF:44.3/36
All: -0.208+/-0.045 χ²/NDF: 91.8/70



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.003 χ^2/NDF:12.4/18

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.032+/-0.003 χ^2/NDF:30.4/17

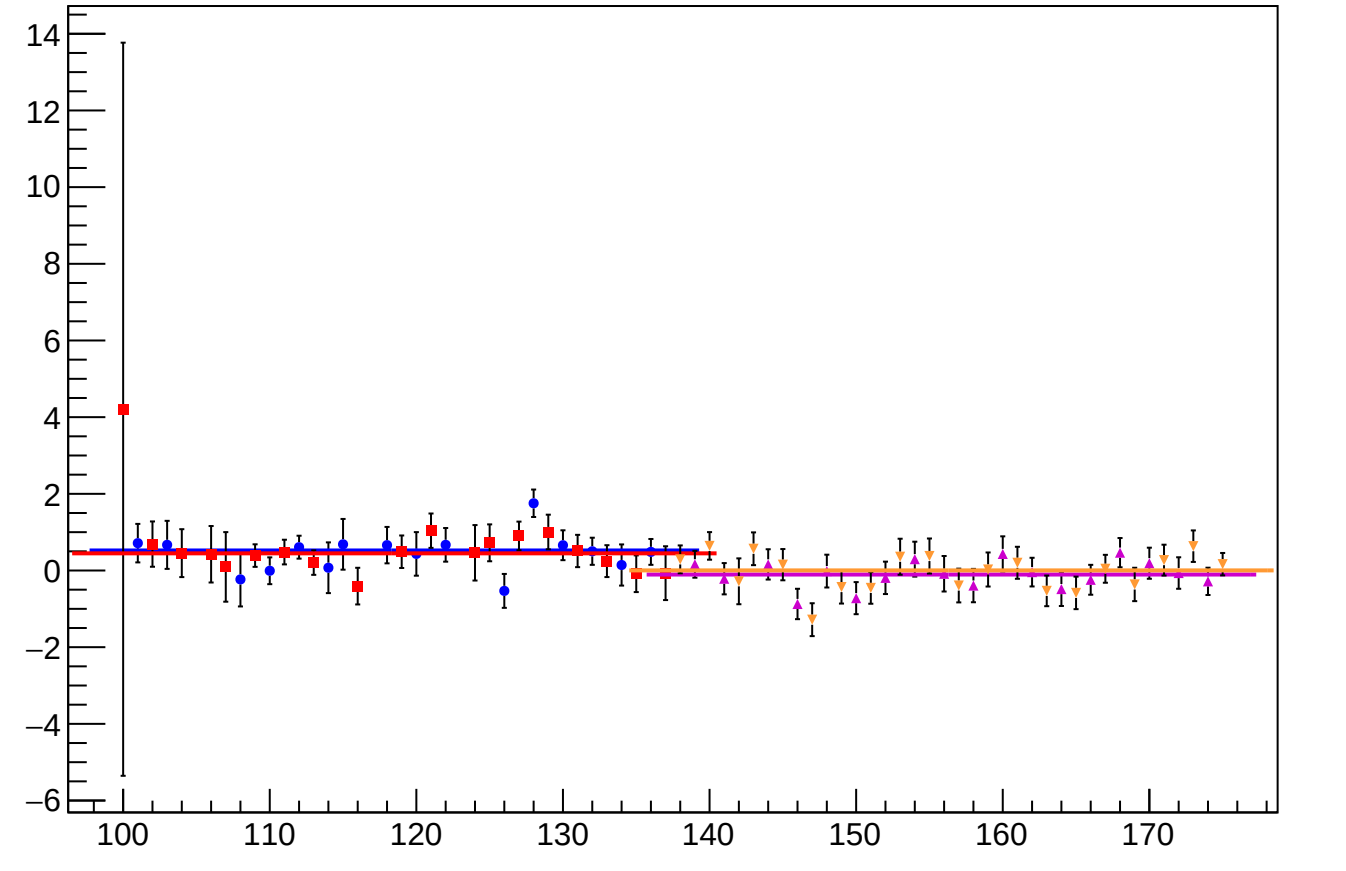
Left: 0.030+/-0.002 χ^2/NDF: 44.0/36

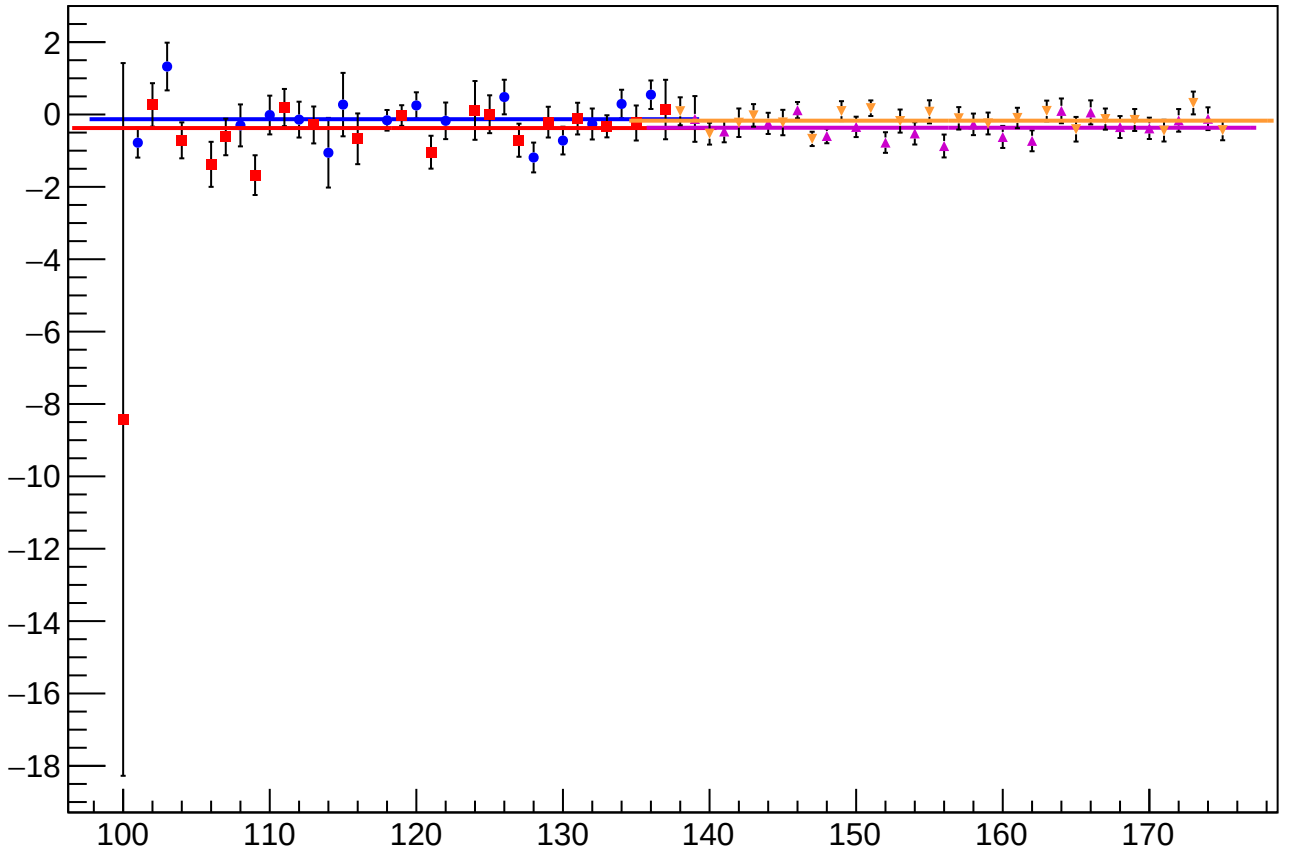
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.036+/-0.003 χ^2/NDF:54.6/33

Out: 0.027+/-0.003 χ^2/NDF:10033.4/36

All: 0.032+/-0.002 χ^2/NDF: 10092.3/70


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: 0.003+/-0.091 χ²/NDF:26.9/19
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.105+/-0.096 χ²/NDF:13.6/17
Left: -0.048+/-0.066 χ²/NDF: 41.2/37
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.170+/-0.072 χ²/NDF:55.0/33
Out: 0.194+/-0.069 χ²/NDF:48.5/38
All: 0.183+/-0.050 χ²/NDF: 103.6/72



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.171+/-0.065 χ^2/NDF:18.4/19

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.366+/-0.069 χ^2/NDF:18.1/17

Left: -0.263+/-0.047 χ^2/NDF: 40.8/37

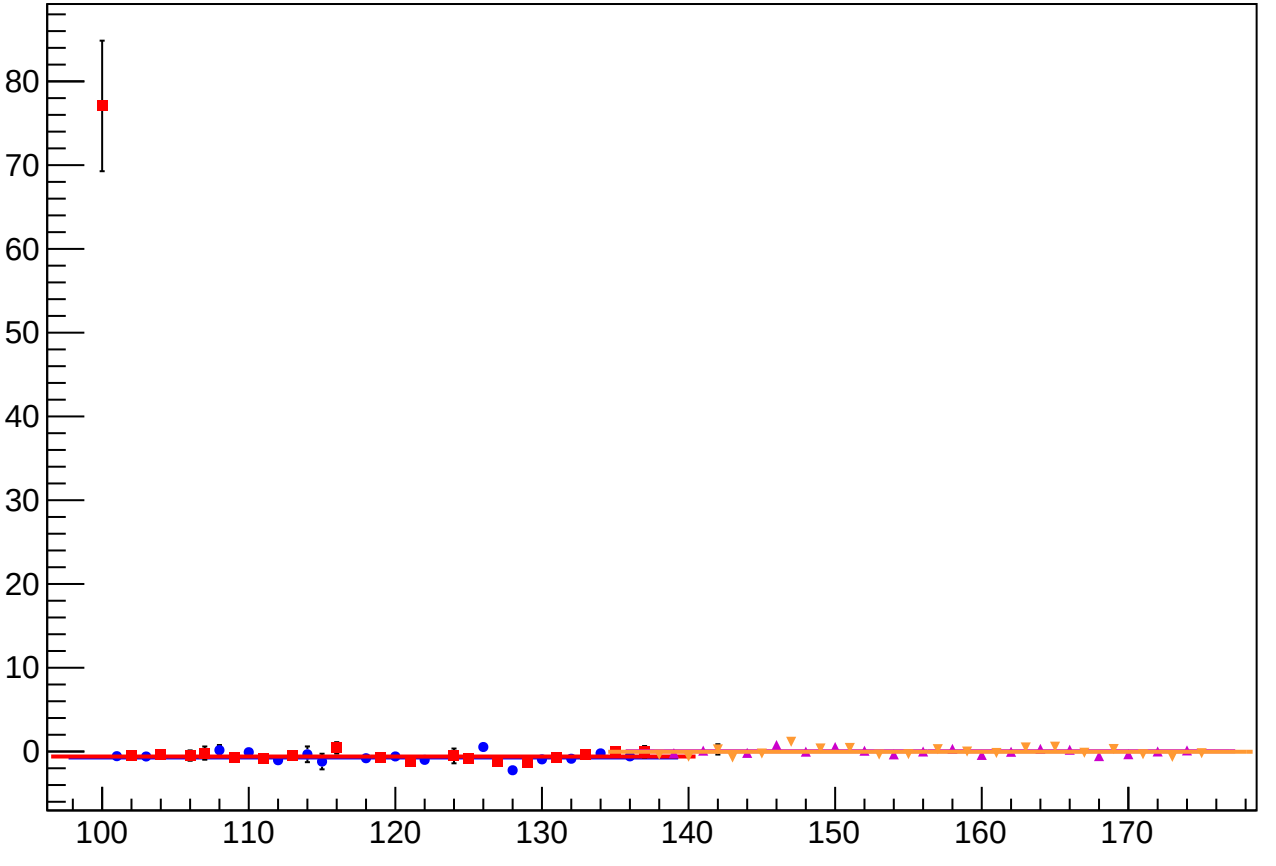
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.301+/-0.059 χ^2/NDF:45.9/33

Out: -0.223+/-0.056 χ^2/NDF:39.1/38

All: -0.260+/-0.041 χ^2/NDF: 86.0/72

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.029+/-0.090 χ^2/NDF:26.7/19

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.033+/-0.094 χ^2/NDF:12.2/17

Left: 0.000+/-0.065 χ^2/NDF: 39.2/37

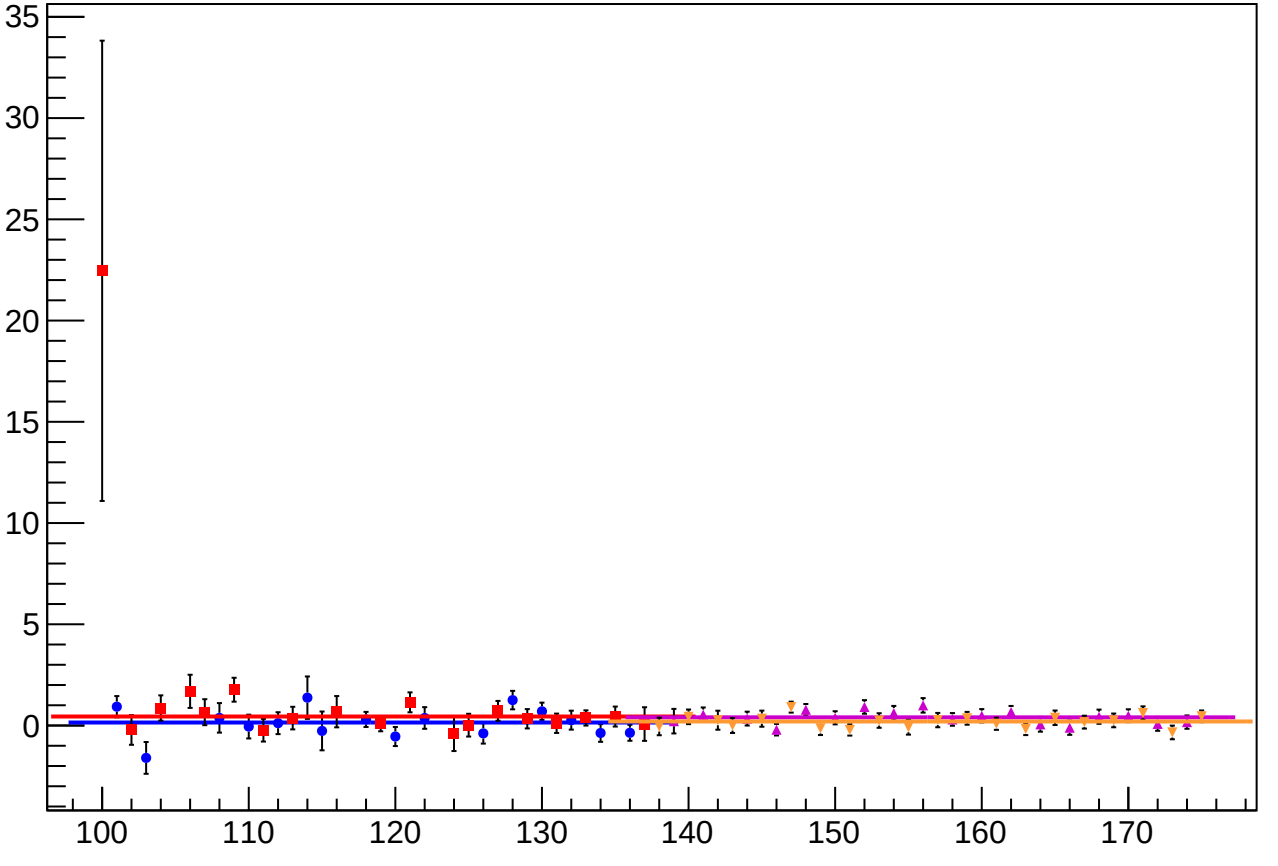
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.247+/-0.074 χ^2/NDF:60.6/33

Out: -0.229+/-0.072 χ^2/NDF:151.8/38

All: -0.238+/-0.052 χ^2/NDF: 212.4/72

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.199+/-0.075 χ^2/NDF:19.1/19

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.404+/-0.079 χ^2/NDF:17.4/17

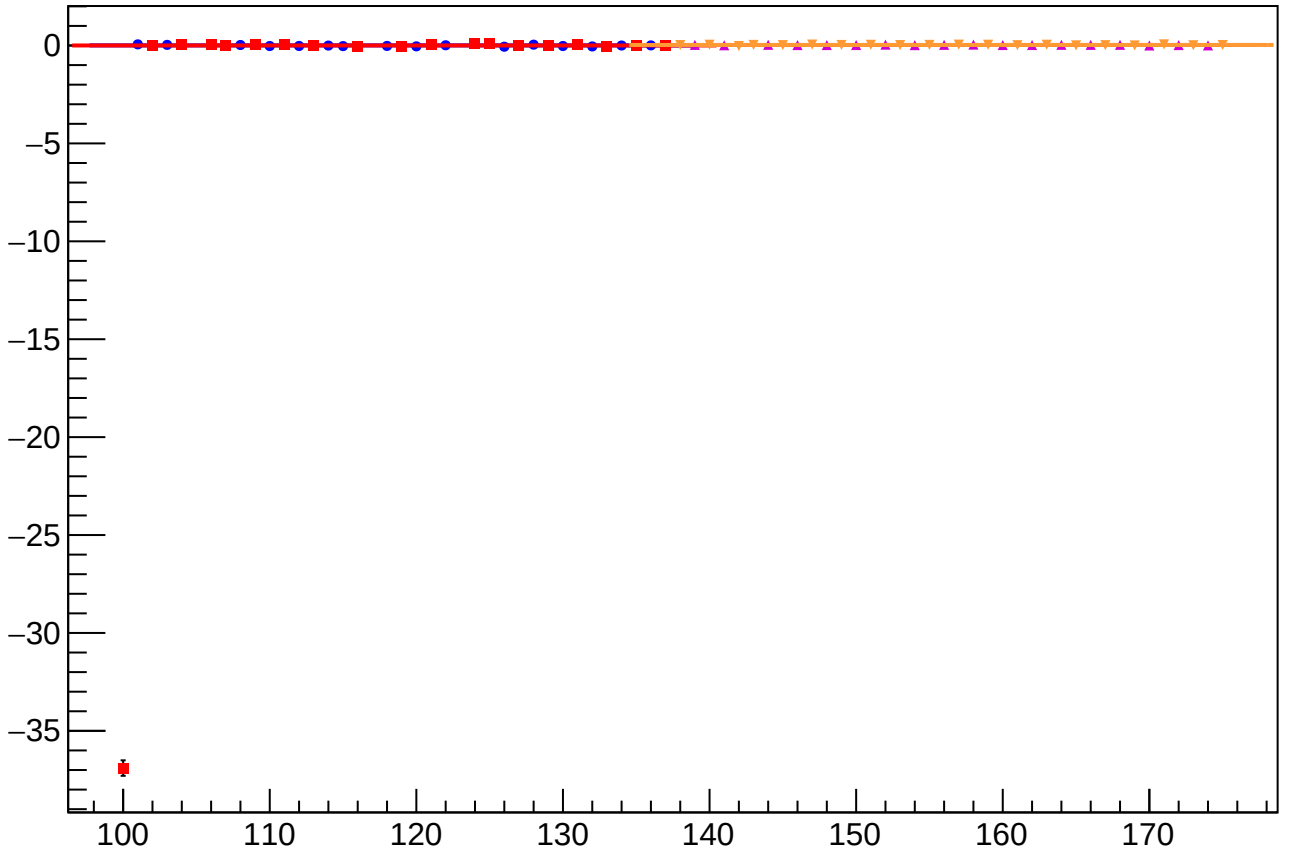
Left: 0.296+/-0.054 χ^2/NDF: 40.0/37

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.333+/-0.067 χ^2/NDF:43.6/33

Out: 0.262+/-0.065 χ^2/NDF:41.5/38

All: 0.296+/-0.047 χ^2/NDF: 85.7/72



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.003 χ^2/NDF:21.8/19

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.027+/-0.003 χ^2/NDF:12.9/17

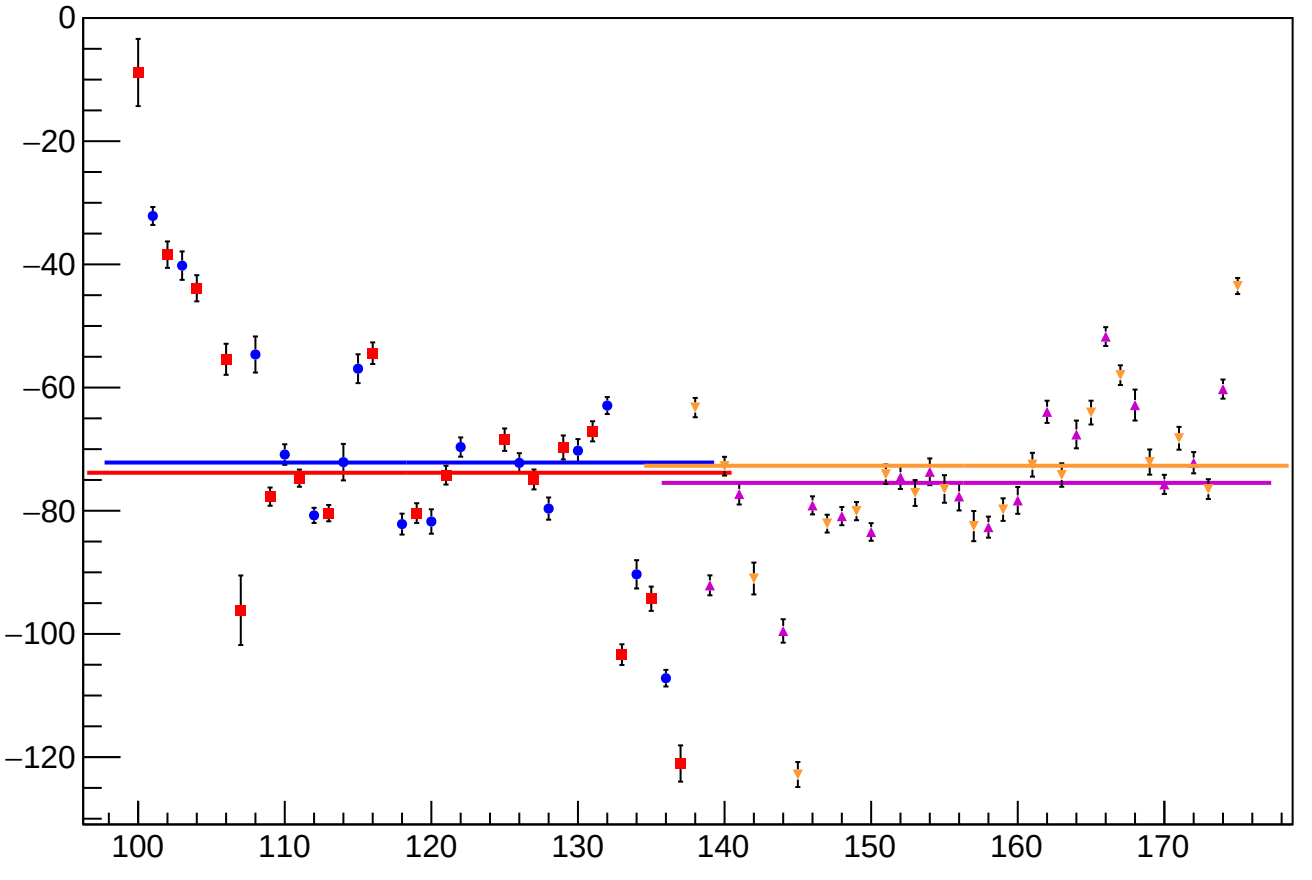
Left: 0.027+/-0.002 χ^2/NDF: 34.7/37

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.023+/-0.003 χ^2/NDF:37.1/33

Out: 0.023+/-0.003 χ^2/NDF:8784.5/38

All: 0.023+/-0.002 χ^2/NDF: 8821.6/72



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.694+/-0.403 χ^2/NDF:1423.3/18

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -75.473+/-0.412 χ^2/NDF:757.7/17

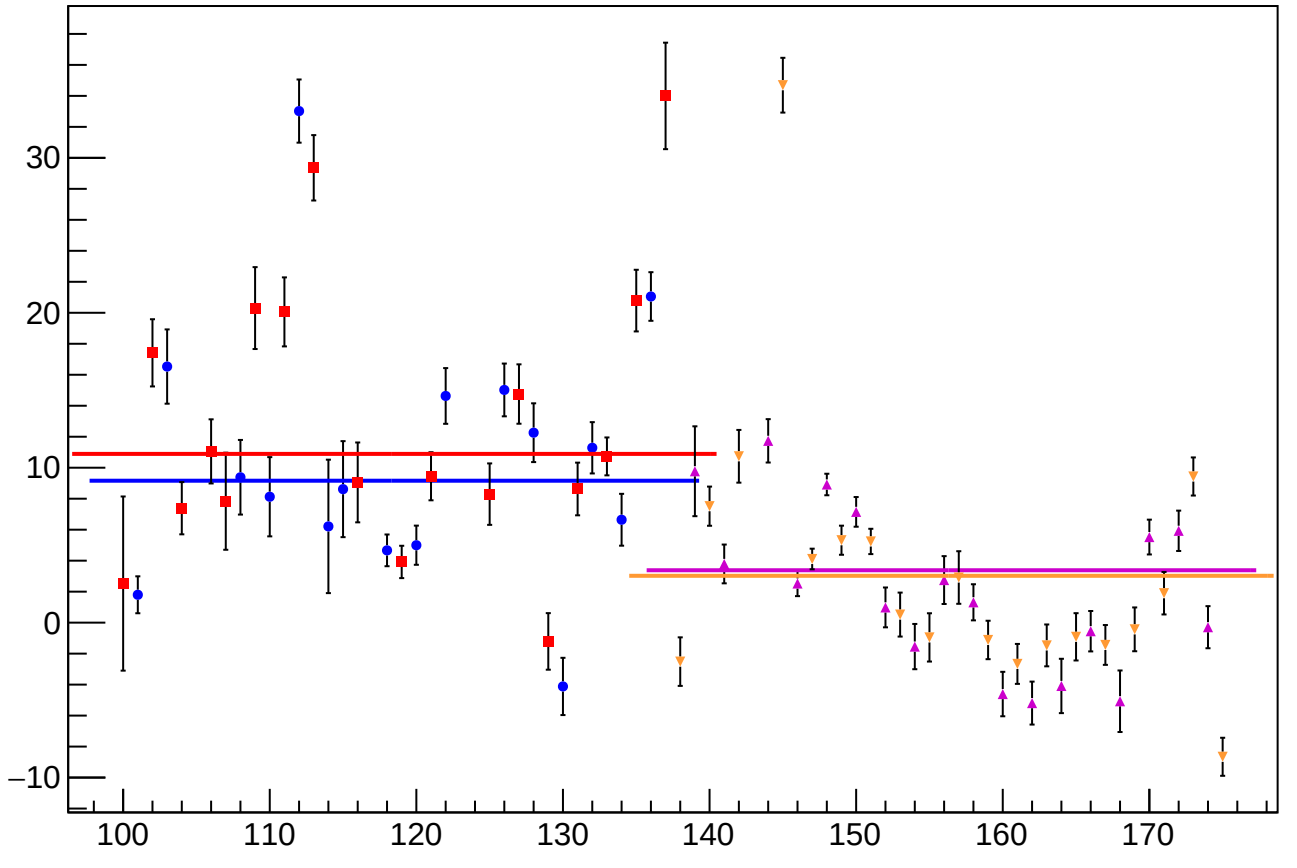
Left: -74.053+/-0.288 χ^2/NDF: 2204.3/36

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

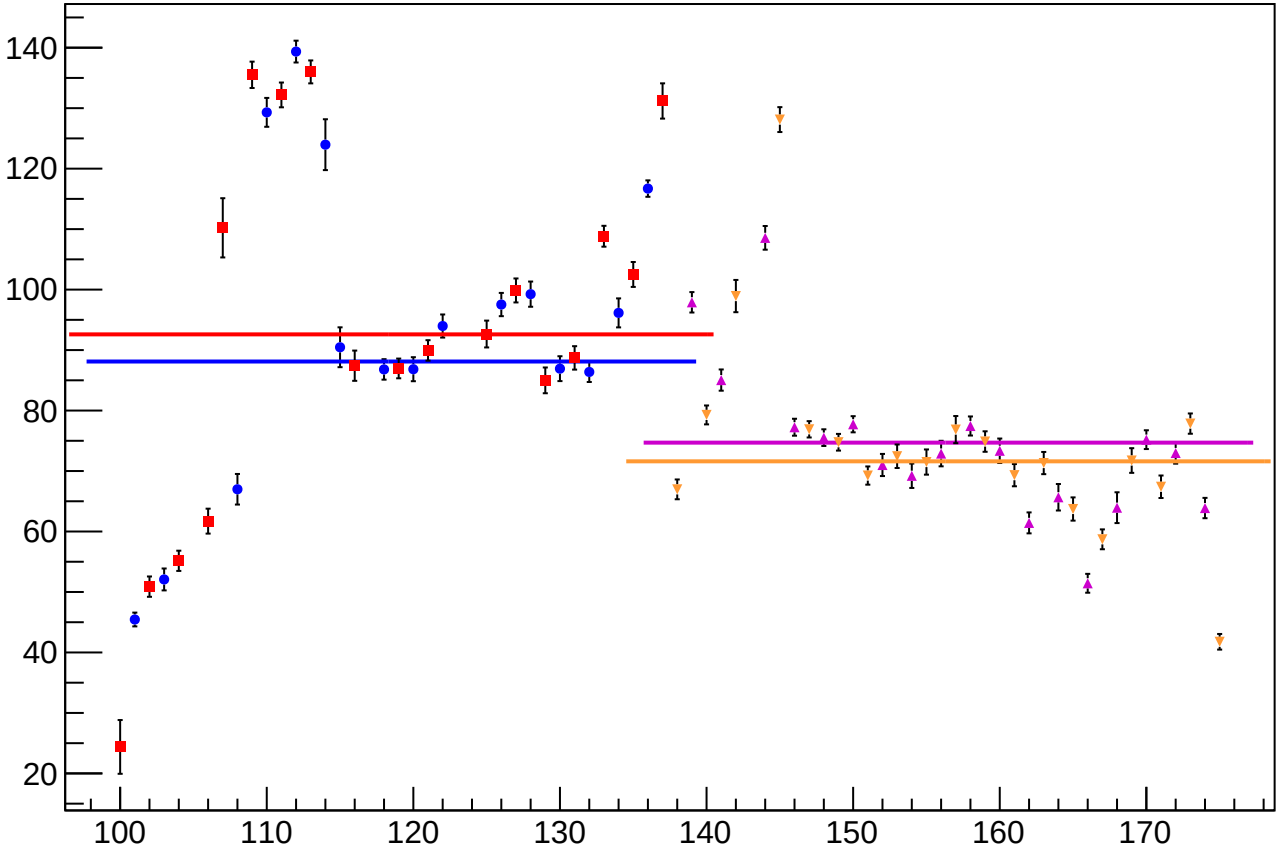
In: -73.902+/-0.298 χ^2/NDF:2724.3/33

Out: -73.224+/-0.294 χ^2/NDF:2984.7/36

All: -73.559+/-0.209 χ^2/NDF: 5711.6/70


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.023+/-0.277 χ²/NDF:577.0/18
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.382+/-0.286 χ²/NDF:268.2/17
Left: 3.197+/-0.199 χ²/NDF: 846.0/36
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.179+/-0.237 χ²/NDF:747.6/33
Out: 5.256+/-0.234 χ²/NDF:1096.1/36
All: 5.218+/-0.167 χ²/NDF: 1843.8/70

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 71.604+/-0.394 χ^2/NDF:1554.8/18

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 74.694+/-0.403 χ^2/NDF:905.6/17

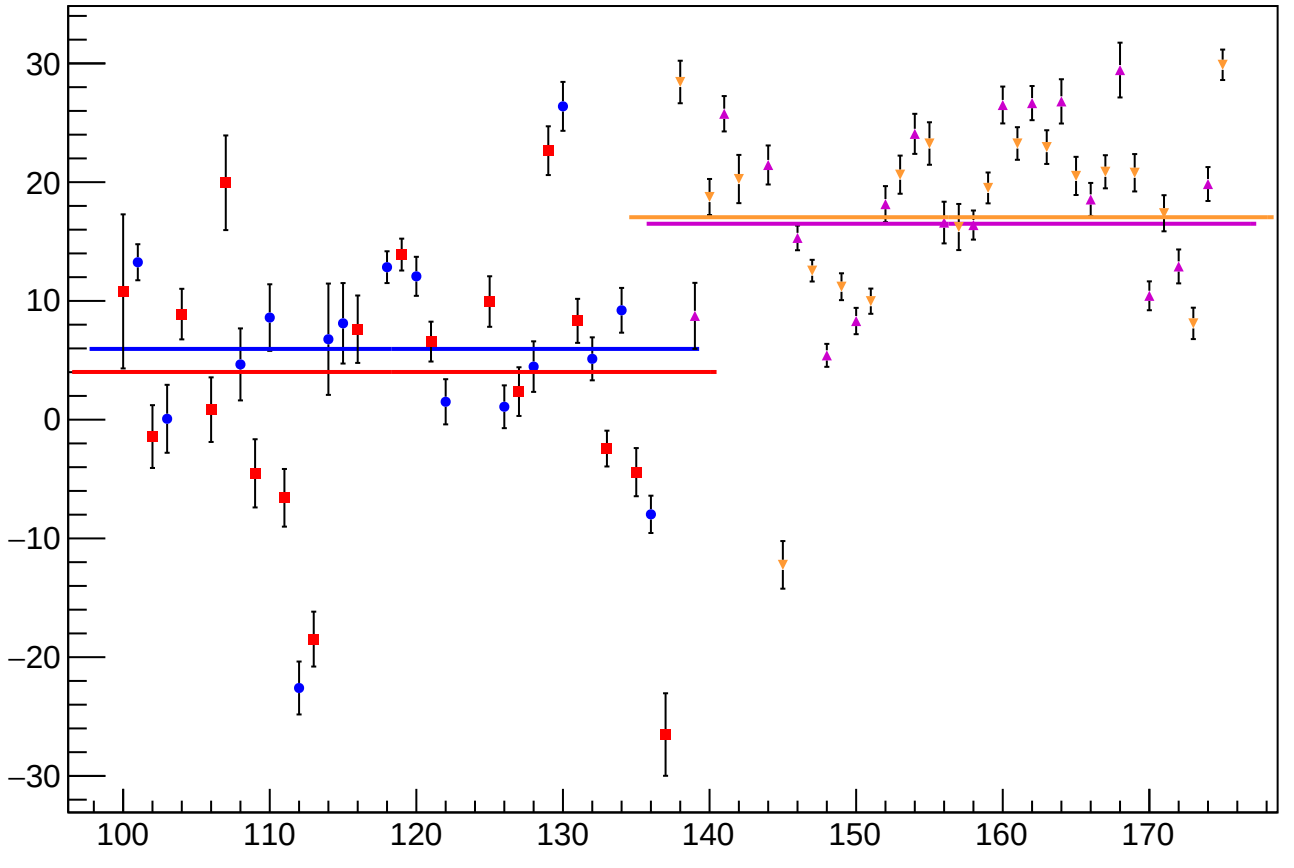
Left: 73.114+/-0.282 χ^2/NDF: 2490.3/36

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 80.404+/-0.306 χ^2/NDF:4938.0/33

Out: 79.995+/-0.305 χ^2/NDF:5899.0/36

All: 80.199+/-0.216 χ^2/NDF: 10838.0/70



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.049+/-0.323 χ^2/NDF:575.1/18

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.498+/-0.332 χ^2/NDF:456.6/17

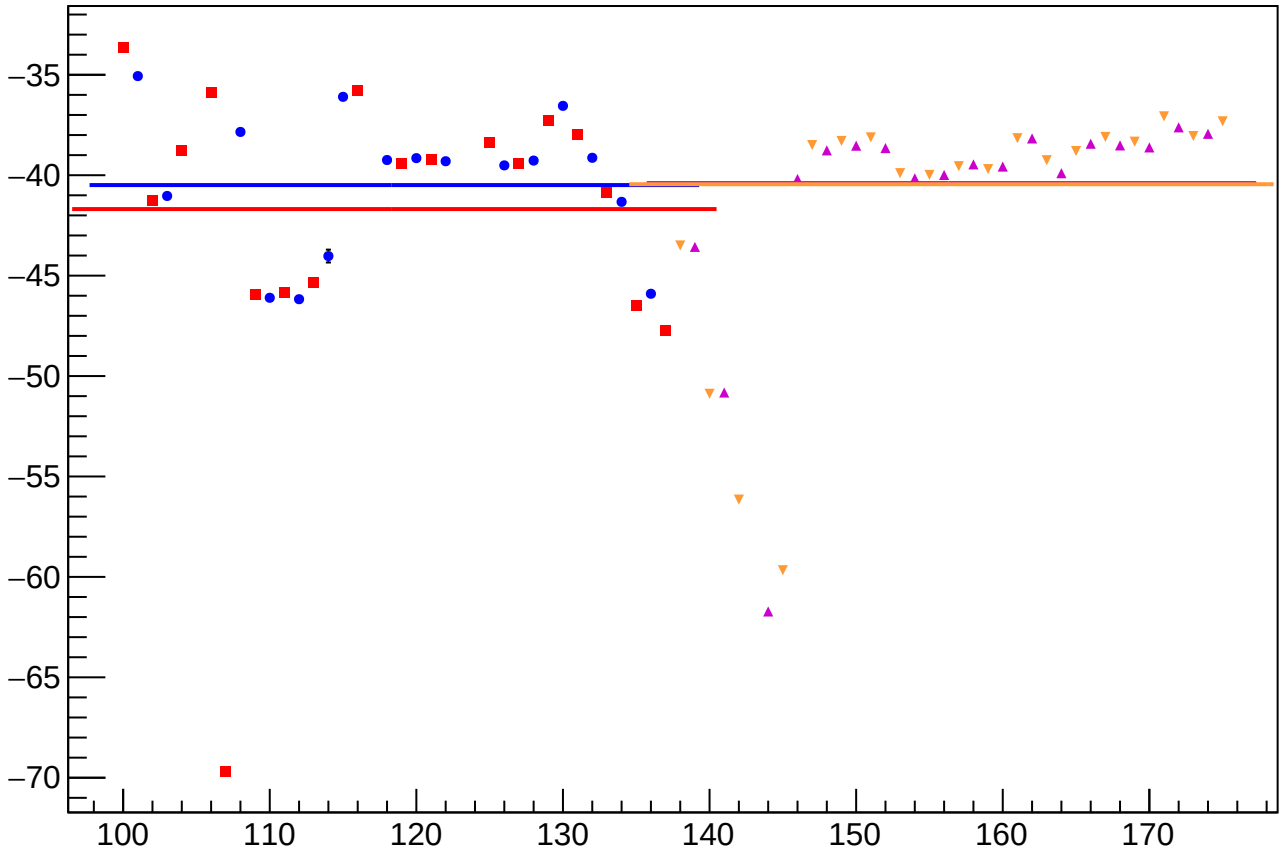
Left: 16.781+/-0.231 χ^2/NDF: 1033.1/36

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 13.228+/-0.276 χ^2/NDF:1196.5/33

Out: 13.320+/-0.273 χ^2/NDF:1459.6/36

All: 13.275+/-0.194 χ^2/NDF: 2656.2/70



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.449+/-0.015 χ^2/NDF:117215.1/18

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.392+/-0.015 χ^2/NDF:93433.2/17

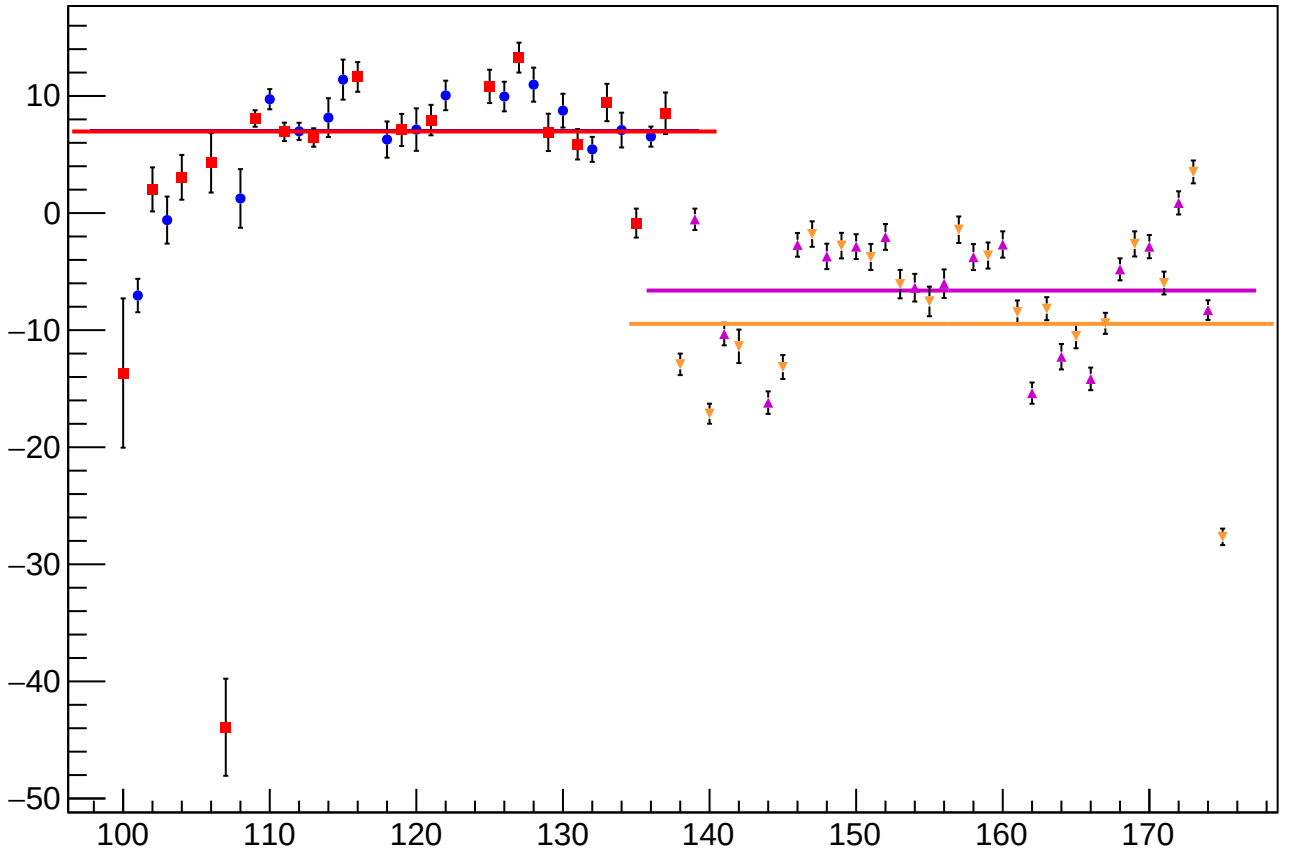
Left: -40.420+/-0.011 χ^2/NDF: 210655.5/36

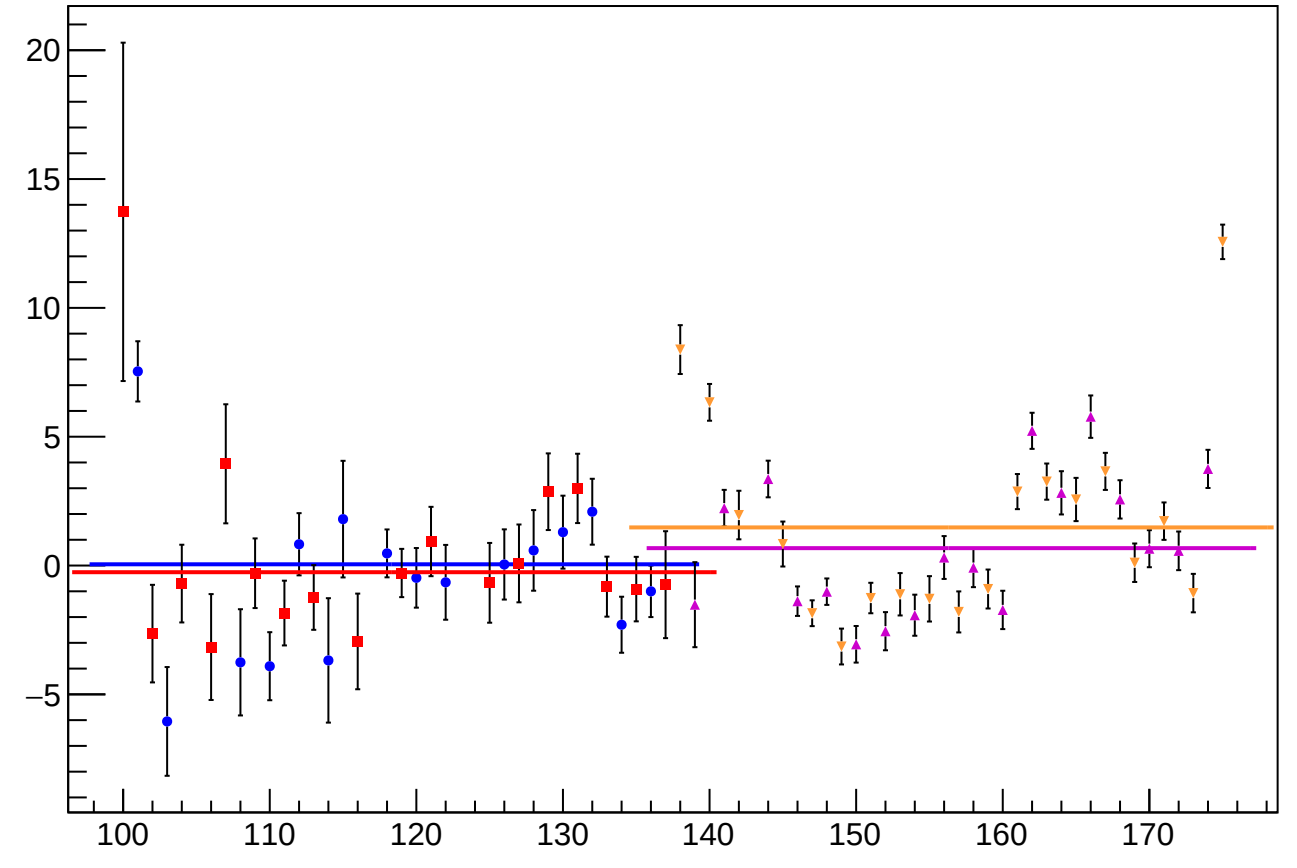
Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

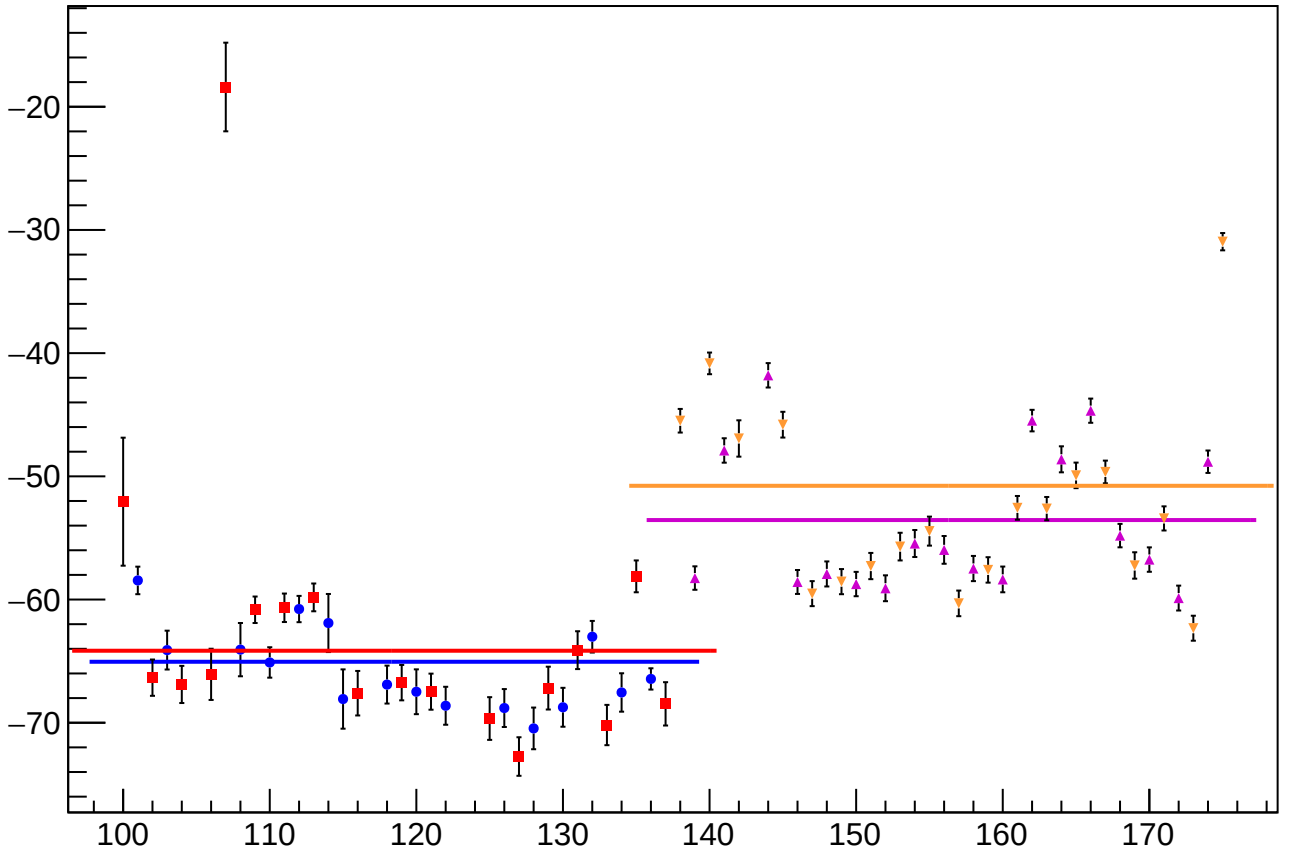
In: -40.414+/-0.013 χ^2/NDF:111568.1/33

Out: -40.709+/-0.013 χ^2/NDF:155465.0/36

All: -40.560+/-0.009 χ^2/NDF: 267277.2/70


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: 7.011+/-0.309 χ²/NDF: 156.3/15
Left Out: -9.462+/-0.232 χ²/NDF:1212.0/18
Right Out: 6.967+/-0.298 χ²/NDF: 266.0/17
Left In: -6.617+/-0.238 χ²/NDF:489.7/17
Left: -8.076+/-0.166 χ²/NDF: 1774.8/36
Right: 6.988+/-0.215 χ²/NDF: 422.3/33
In: -1.540+/-0.189 χ²/NDF:1864.4/33
Out: -3.257+/-0.183 χ²/NDF:3367.2/36
All: -2.424+/-0.131 χ²/NDF: 5274.2/70


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 1.480+/-0.167 χ²/NDF:567.6/18
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 0.675+/-0.172 χ²/NDF:224.4/17
Left: 1.089+/-0.120 χ²/NDF: 803.2/36
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 0.542+/-0.153 χ²/NDF:302.2/33
Out: 1.148+/-0.150 χ²/NDF:615.7/36
All: 0.850+/-0.107 χ²/NDF: 925.9/70



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.767+/-0.228 χ^2/NDF:1493.3/18

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.548+/-0.235 χ^2/NDF:609.6/17

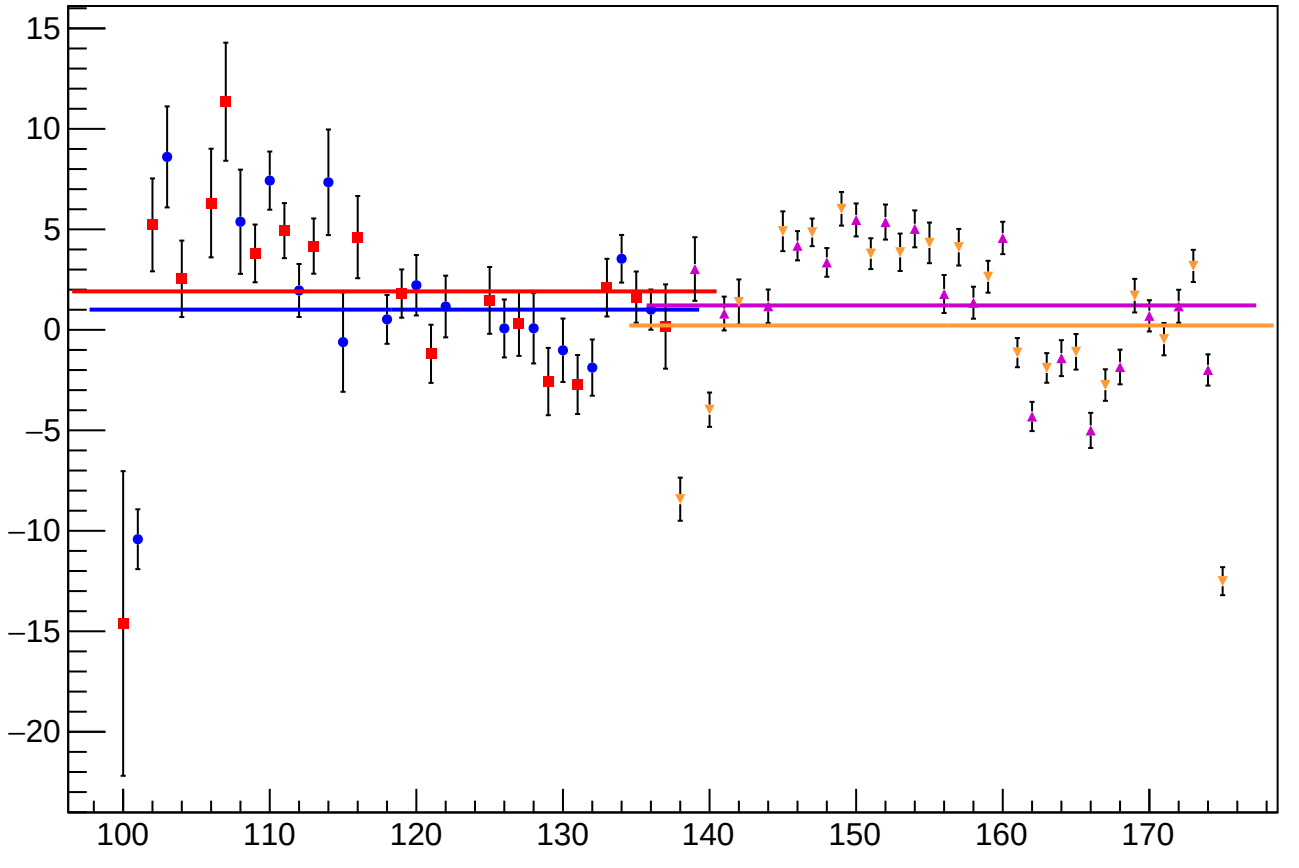
Left: -52.120+/-0.164 χ^2/NDF: 2174.9/36

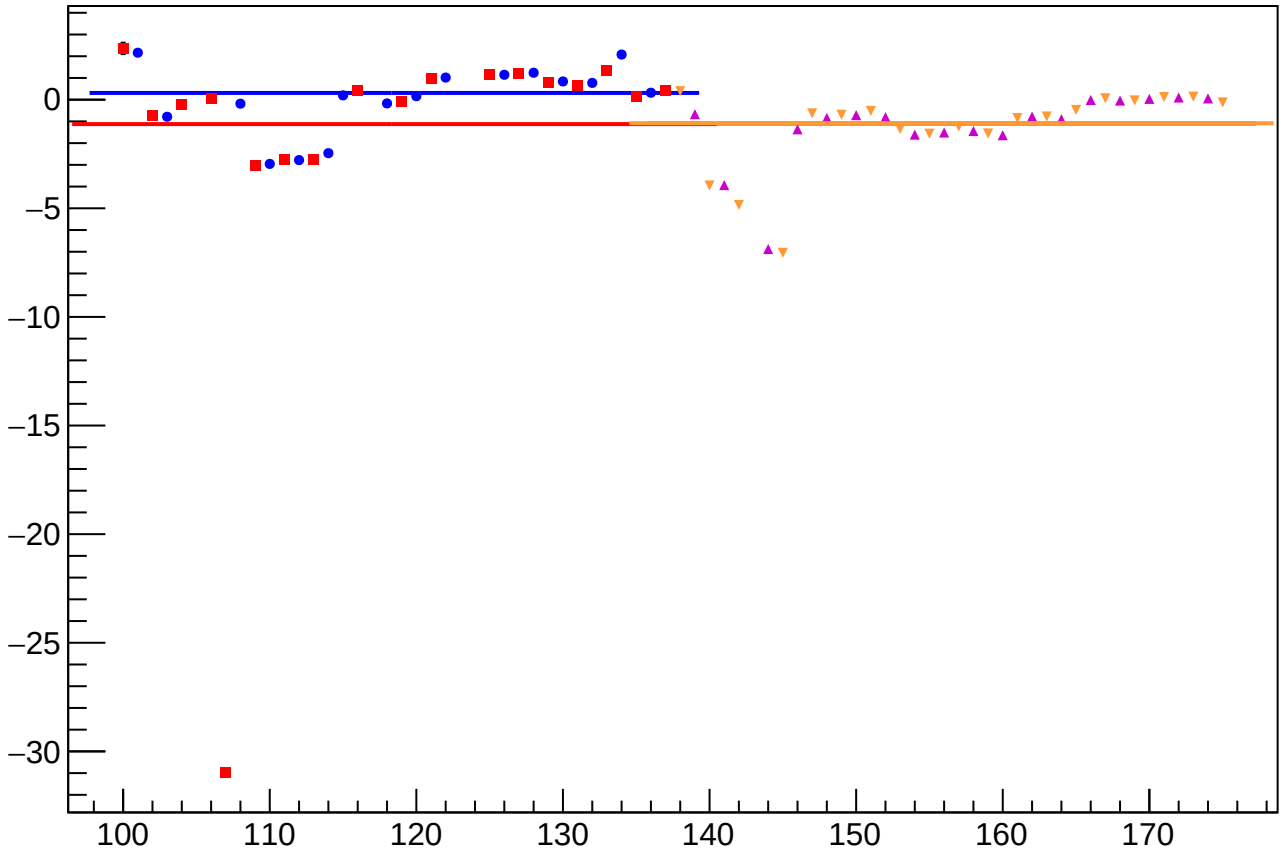
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -57.061+/-0.196 χ^2/NDF:1435.8/33

Out: -54.604+/-0.193 χ^2/NDF:2781.3/36

All: -55.816+/-0.137 χ^2/NDF: 4297.0/70


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 0.217+/-0.191 χ²/NDF:666.3/18
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 1.215+/-0.196 χ²/NDF:258.4/17
Left: 0.702+/-0.137 χ²/NDF: 938.0/36
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.171+/-0.174 χ²/NDF:367.9/33
Out: 0.545+/-0.171 χ²/NDF:736.1/36
All: 0.853+/-0.122 χ²/NDF: 1110.6/70



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.084+/-0.009 χ^2/NDF:38186.3/18

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.097+/-0.009 χ^2/NDF:28457.4/17

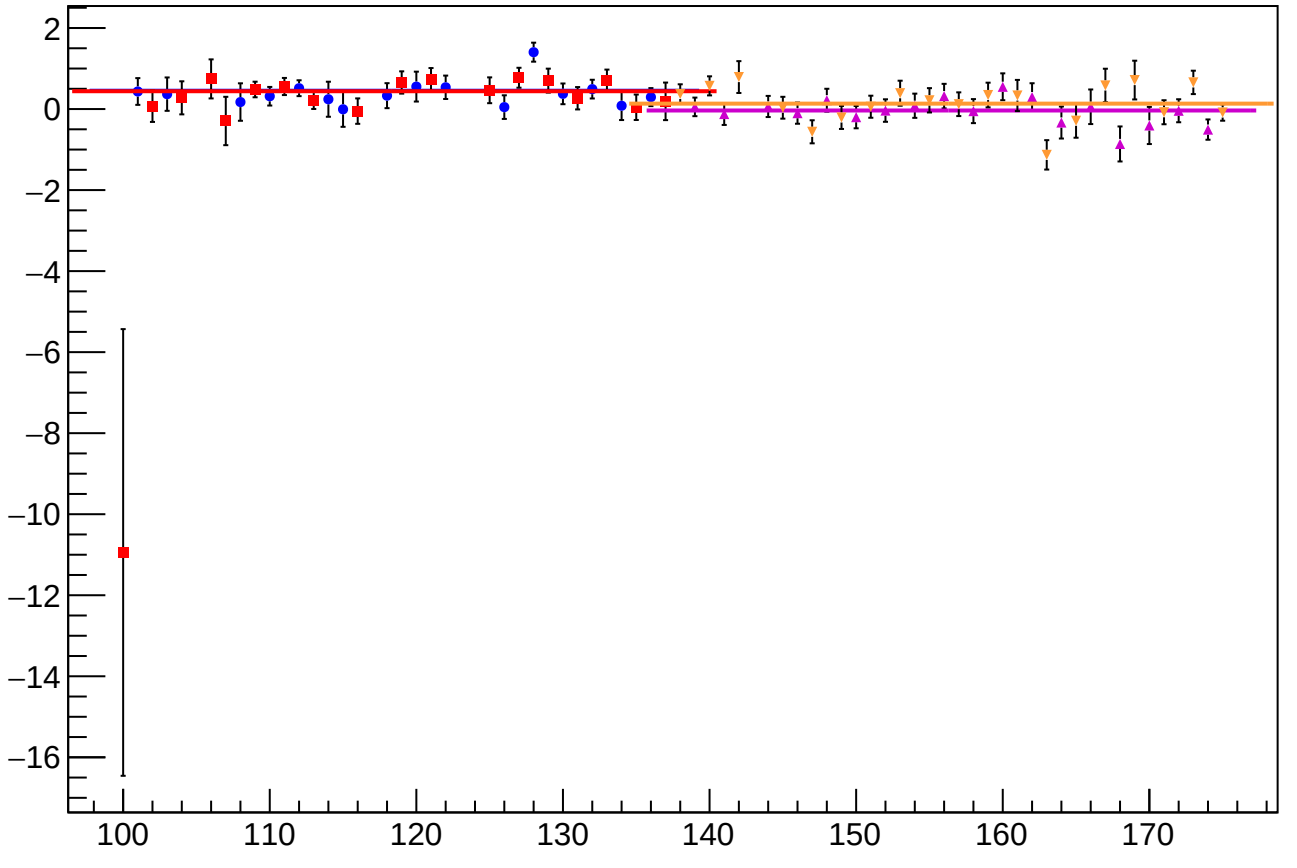
Left: -1.091+/-0.006 χ^2/NDF: 66644.8/36

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.893+/-0.008 χ^2/NDF:37124.0/33

Out: -1.089+/-0.008 χ^2/NDF:84537.0/36

All: -0.991+/-0.006 χ^2/NDF: 121958.8/70



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.134+/-0.068 χ^2/NDF:37.2/18

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.036+/-0.070 χ^2/NDF:15.7/17

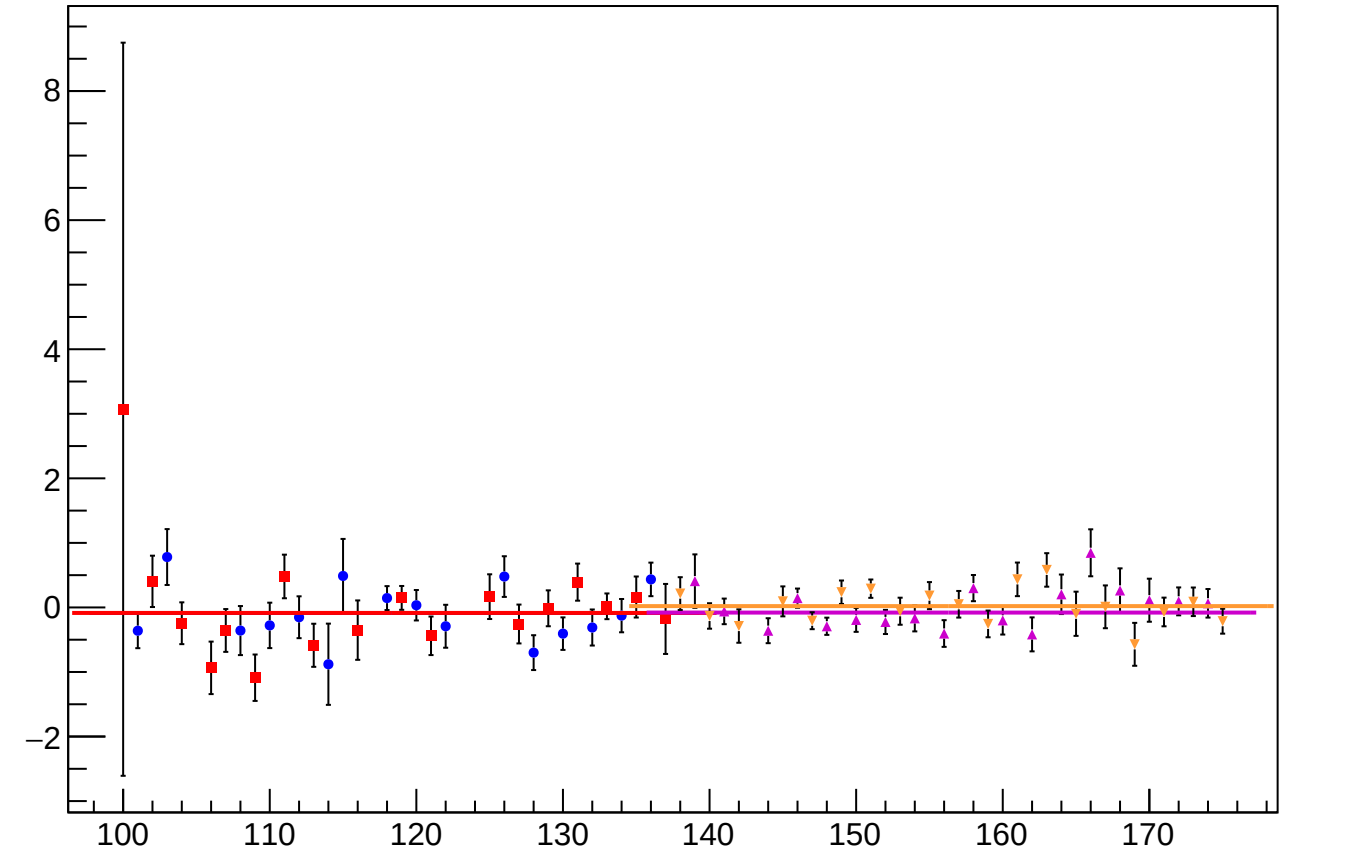
Left: 0.052+/-0.049 χ^2/NDF: 55.9/36

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

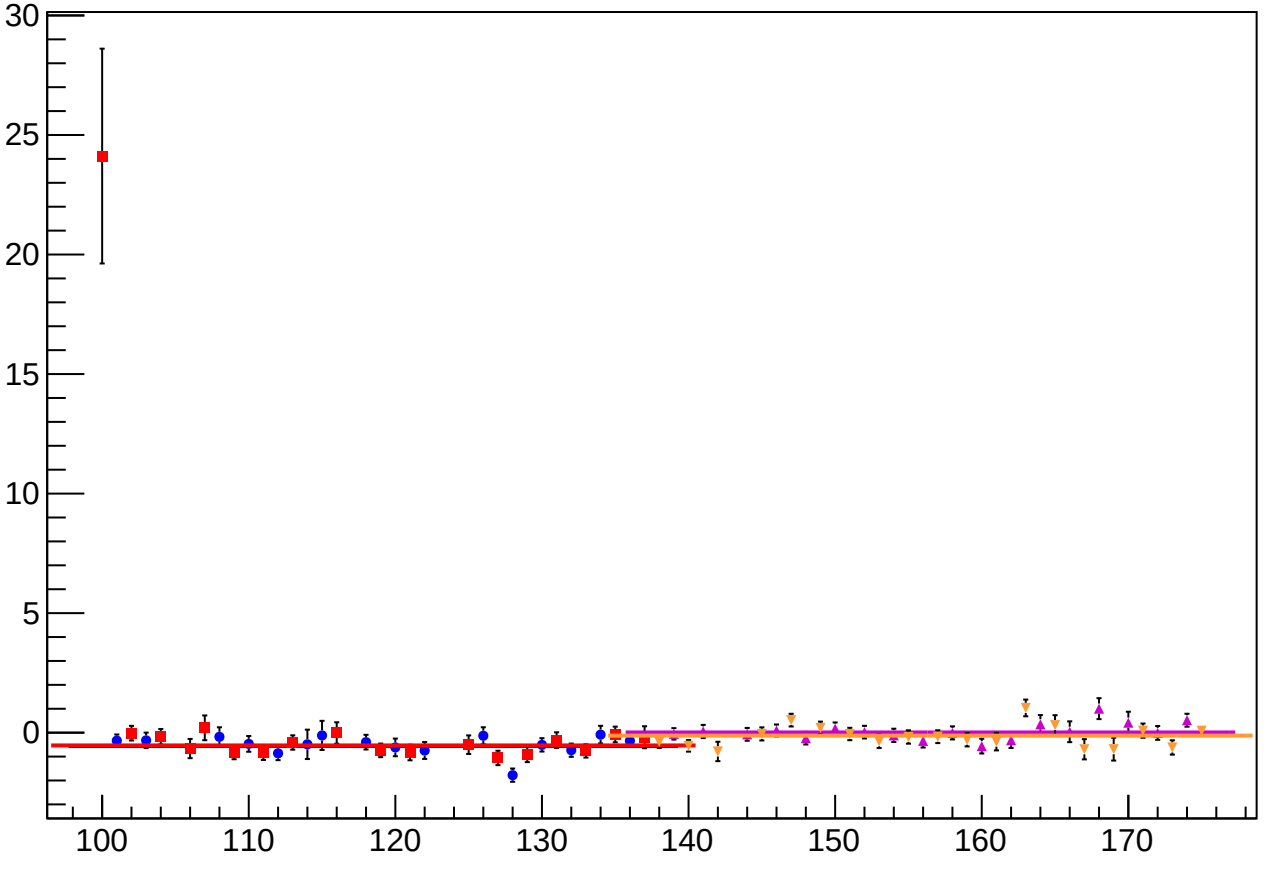
In: 0.205+/-0.050 χ^2/NDF:62.1/33

Out: 0.283+/-0.049 χ^2/NDF:65.7/36

All: 0.245+/-0.035 χ^2/NDF: 129.0/70


reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.086+/-0.073 χ²/NDF: 25.4/15
Left Out: 0.020+/-0.048 χ²/NDF:25.4/18
Right Out: -0.085+/-0.074 χ²/NDF: 27.9/17
Left In: -0.080+/-0.050 χ²/NDF:27.1/17
Left: -0.028+/-0.035 χ²/NDF: 54.6/36
Right: -0.086+/-0.052 χ²/NDF: 53.3/33
In: -0.082+/-0.041 χ²/NDF:52.5/33
Out: -0.011+/-0.040 χ²/NDF:54.8/36
All: -0.046+/-0.029 χ²/NDF: 108.8/70

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.123+/-0.067 χ^2/NDF:35.6/18

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.009+/-0.069 χ^2/NDF:18.0/17

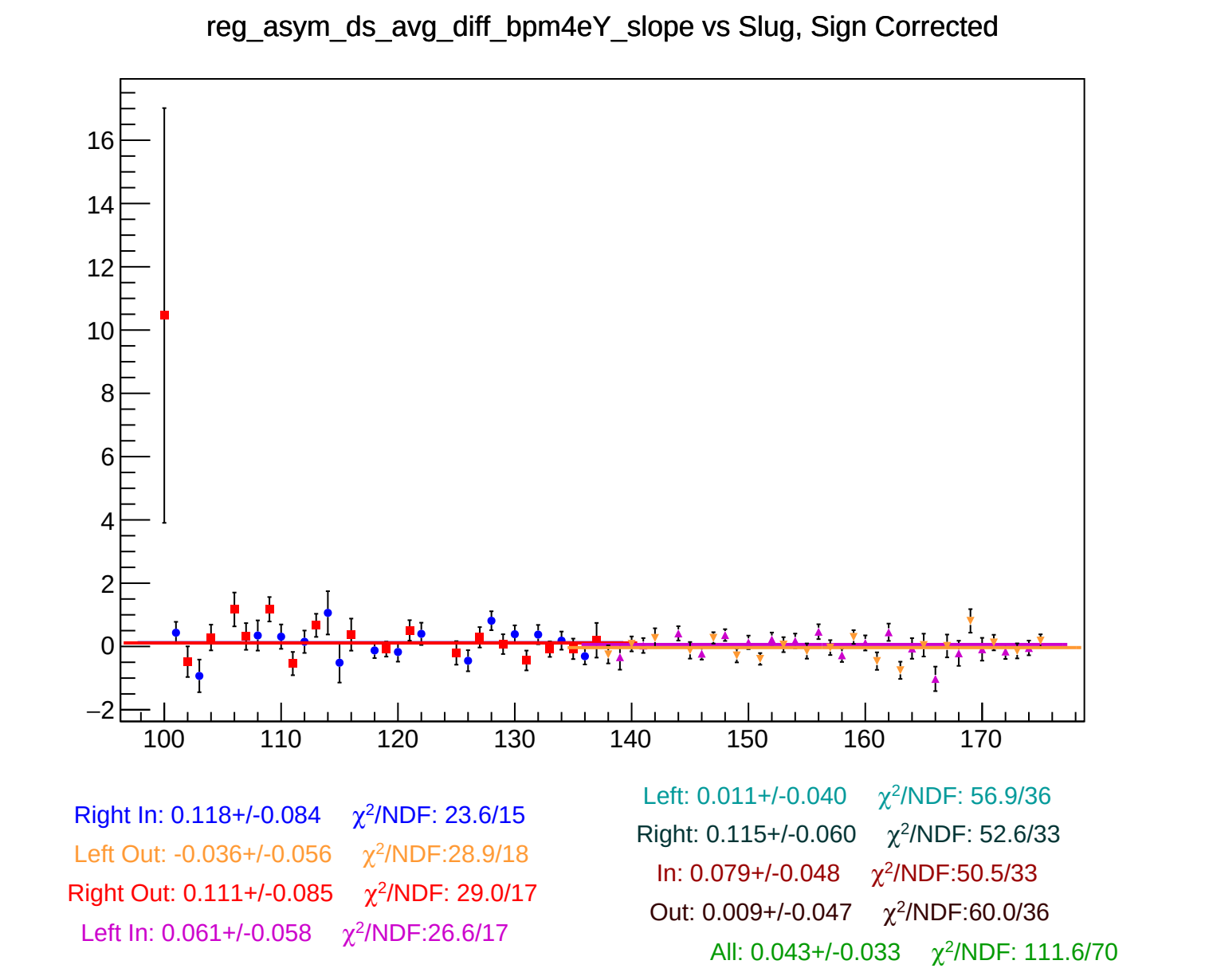
Left: -0.060+/-0.048 χ^2/NDF: 55.5/36

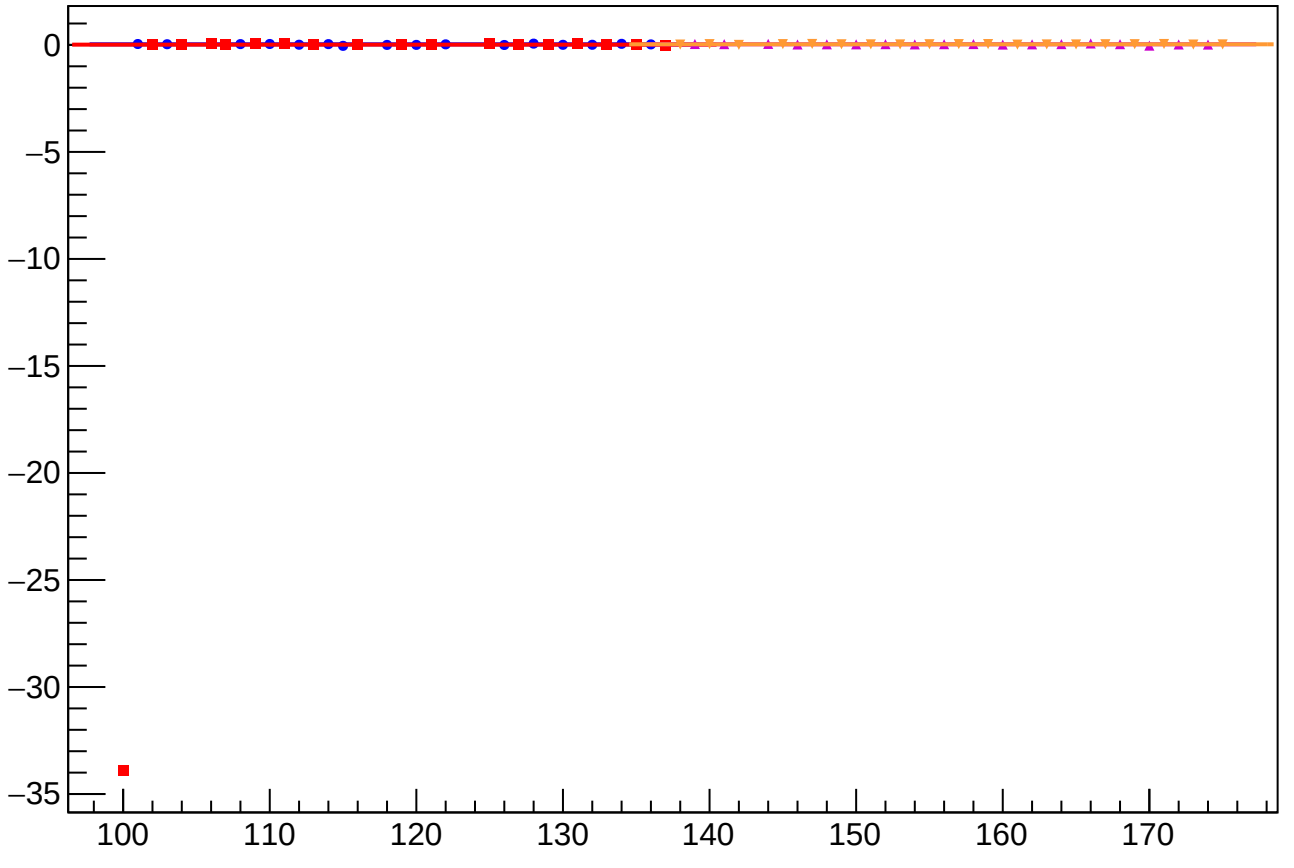
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.234+/-0.052 χ^2/NDF:75.3/33

Out: -0.290+/-0.051 χ^2/NDF:100.1/36

All: -0.262+/-0.037 χ^2/NDF: 176.1/70


reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
16
14
12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: 0.118+/-0.084 χ²/NDF: 23.6/15
Left Out: -0.036+/-0.056 χ²/NDF:28.9/18
Right Out: 0.111+/-0.085 χ²/NDF: 29.0/17
Left In: 0.061+/-0.058 χ²/NDF:26.6/17
Left: 0.011+/-0.040 χ²/NDF: 56.9/36
Right: 0.115+/-0.060 χ²/NDF: 52.6/33
In: 0.079+/-0.048 χ²/NDF:50.5/33
Out: 0.009+/-0.047 χ²/NDF:60.0/36
All: 0.043+/-0.033 χ²/NDF: 111.6/70



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:15.0/18

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.029+/-0.003 χ^2/NDF:32.6/17

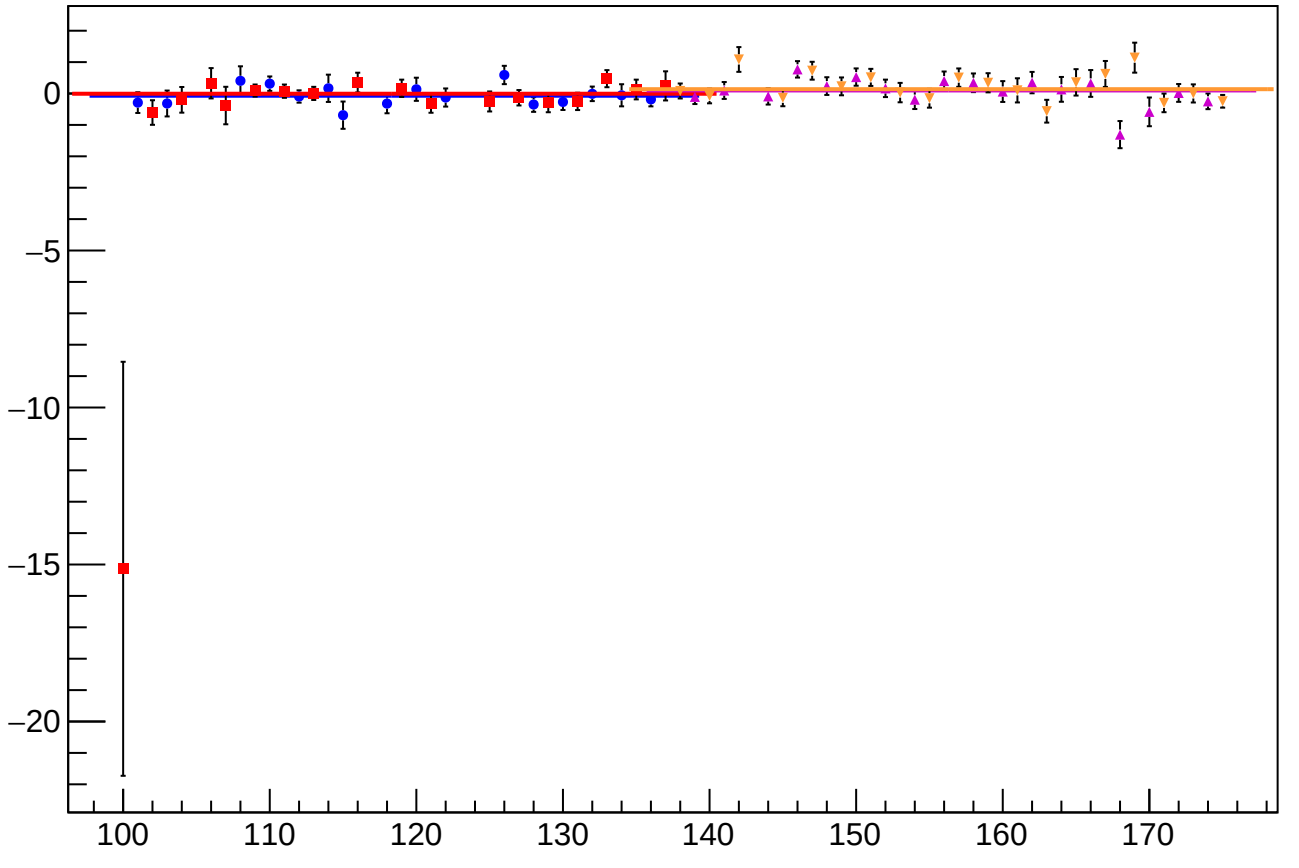
Left: 0.029+/-0.002 χ^2/NDF: 47.8/36

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.029+/-0.002 χ^2/NDF:47.4/33

Out: 0.025+/-0.002 χ^2/NDF:22285.7/36

All: 0.027+/-0.002 χ^2/NDF: 22335.0/70



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.138+/-0.068 χ^2/NDF:32.9/18

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.098+/-0.070 χ^2/NDF:28.9/17

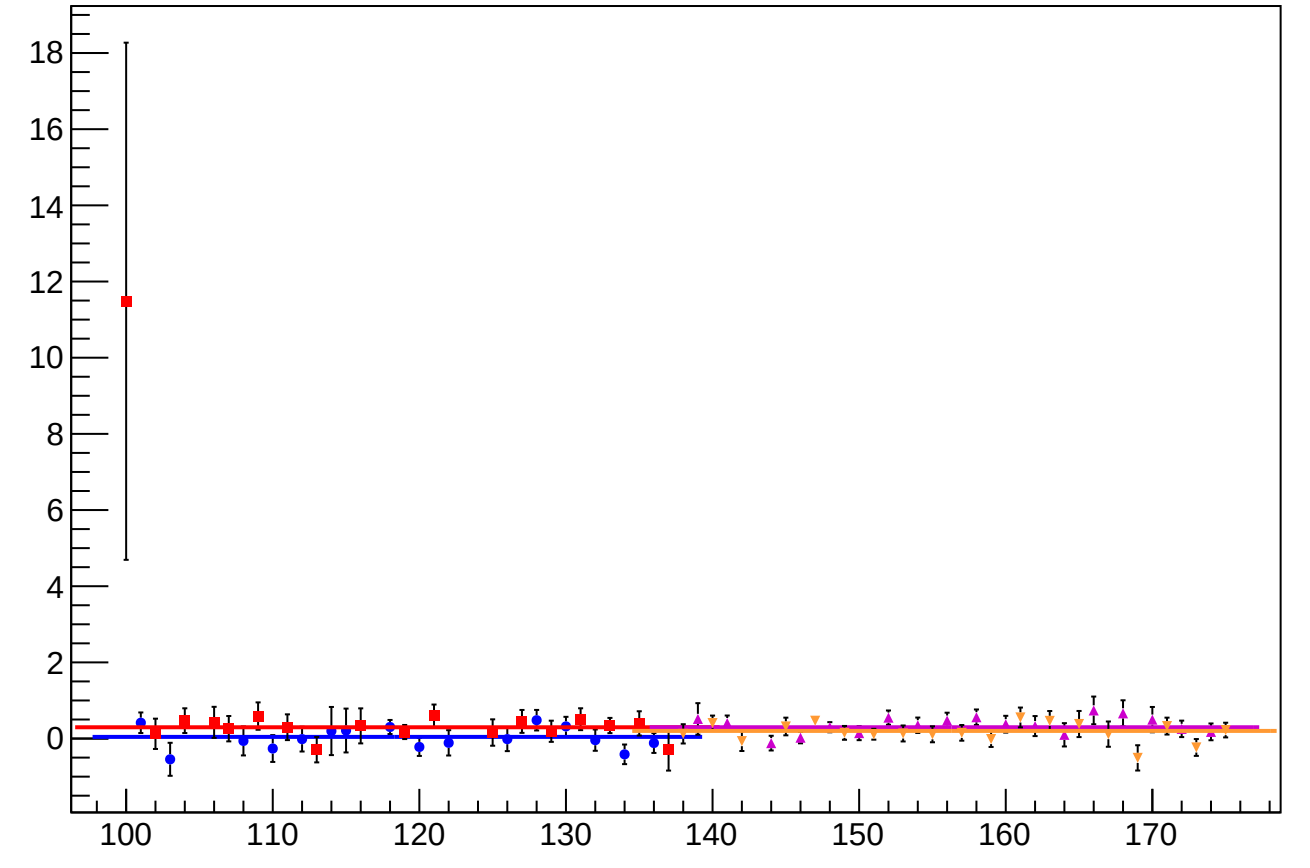
Left: 0.119+/-0.049 χ^2/NDF: 61.9/36

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.015+/-0.050 χ^2/NDF:47.2/33

Out: 0.067+/-0.049 χ^2/NDF:53.2/36

All: 0.042+/-0.035 χ^2/NDF: 101.0/70



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.201+/-0.048 χ^2/NDF:20.5/18

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.297+/-0.050 χ^2/NDF:17.5/17

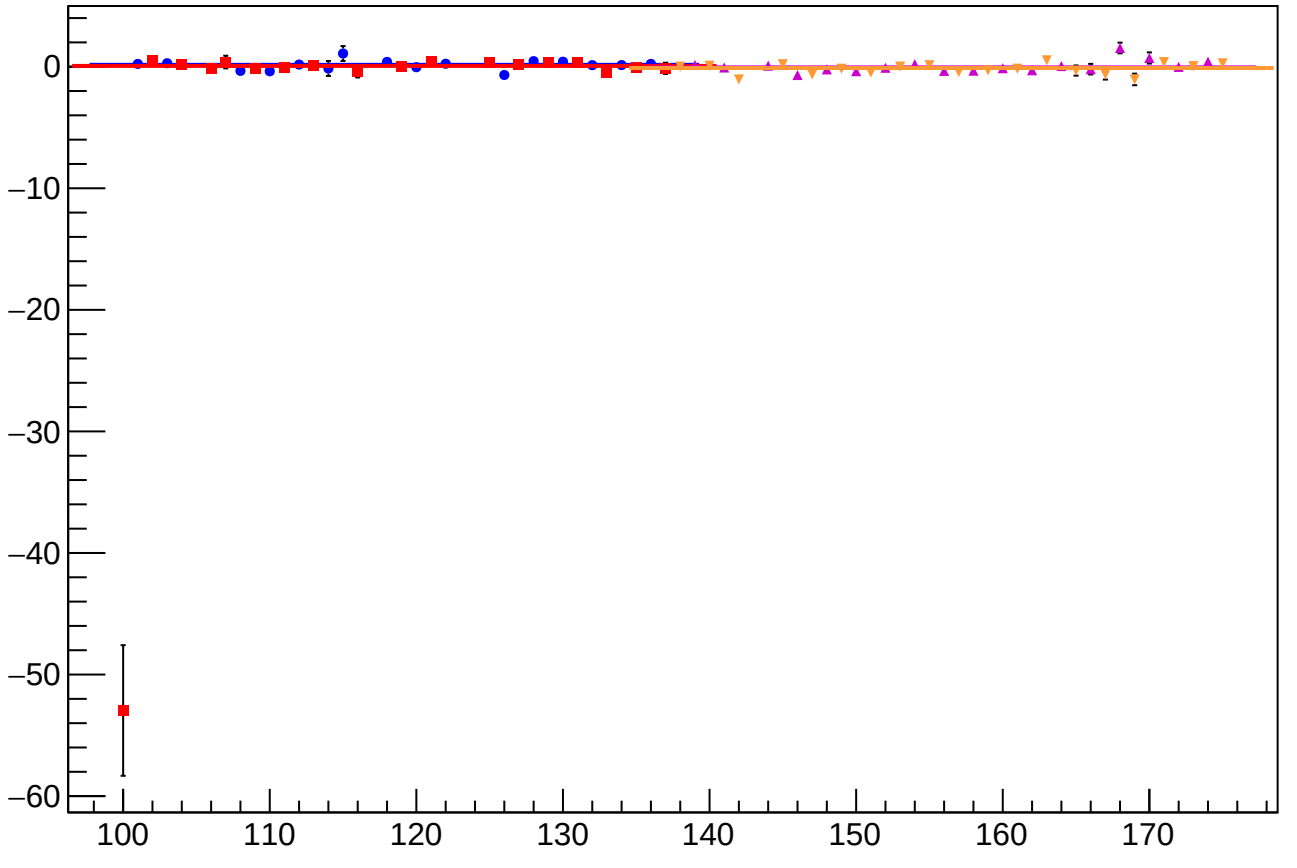
Left: 0.247+/-0.035 χ^2/NDF: 39.9/36

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.216+/-0.041 χ^2/NDF:41.4/33

Out: 0.229+/-0.040 χ^2/NDF:32.6/36

All: 0.223+/-0.029 χ^2/NDF: 74.1/70



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.108+/-0.067 χ^2/NDF:32.0/18

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.055+/-0.069 χ^2/NDF:31.9/17

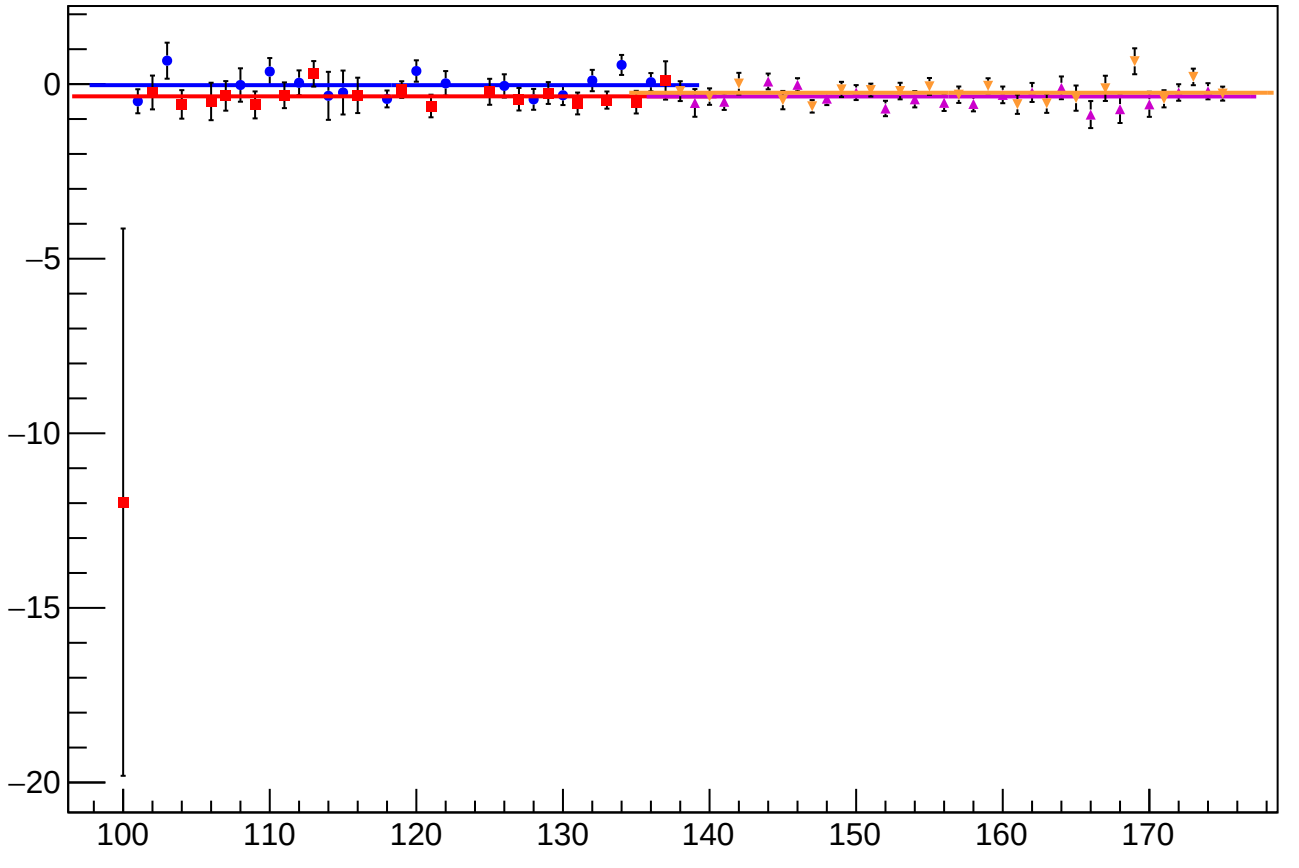
Left: -0.082+/-0.048 χ^2/NDF: 64.3/36

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.034+/-0.052 χ^2/NDF:51.4/33

Out: -0.038+/-0.051 χ^2/NDF:144.1/36

All: -0.002+/-0.037 χ^2/NDF: 196.5/70



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.247+/-0.056 χ^2/NDF:21.2/18

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.354+/-0.058 χ^2/NDF:16.4/17

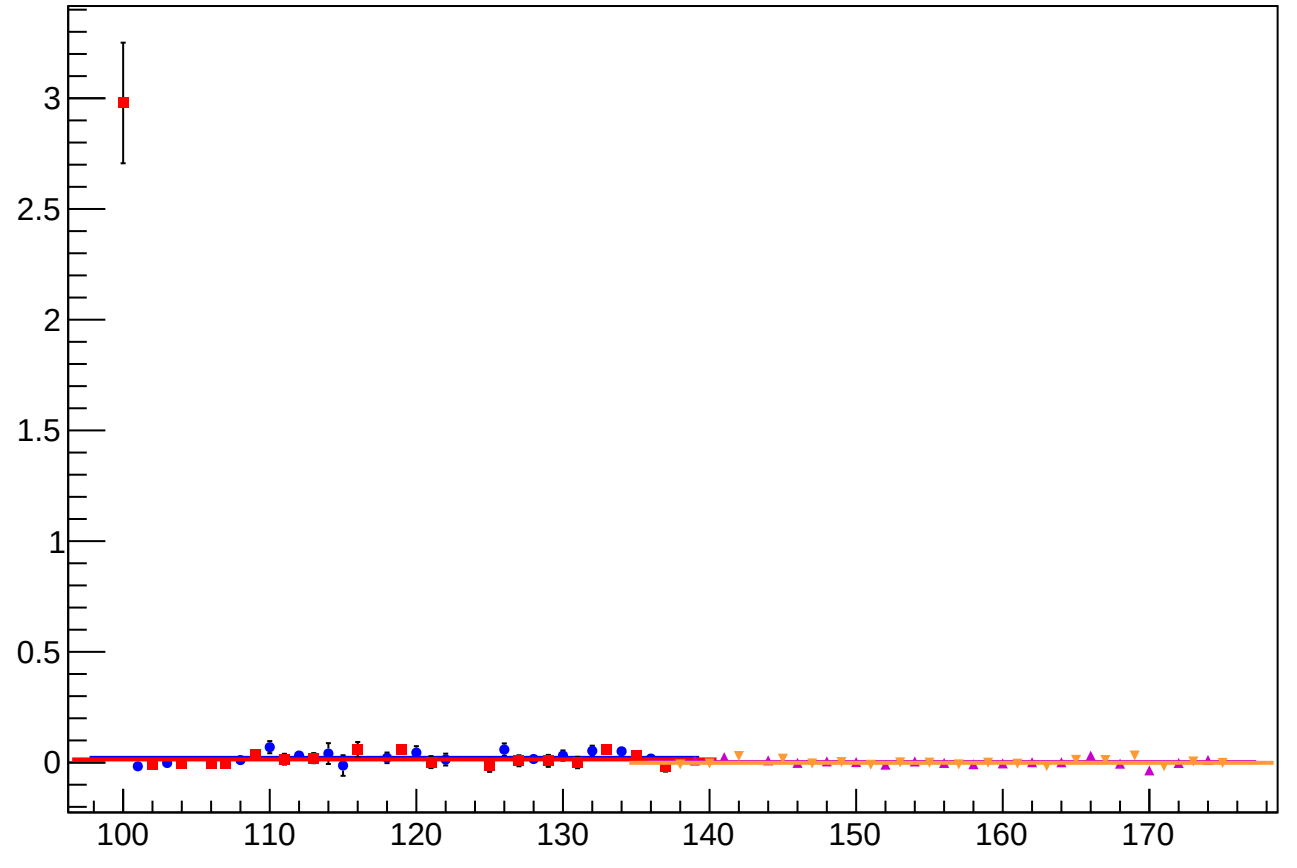
Left: -0.299+/-0.040 χ^2/NDF: 39.3/36

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.250+/-0.048 χ^2/NDF:43.3/33

Out: -0.279+/-0.047 χ^2/NDF:31.6/36

All: -0.264+/-0.033 χ^2/NDF: 75.1/70



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.9/18

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:17.9/17

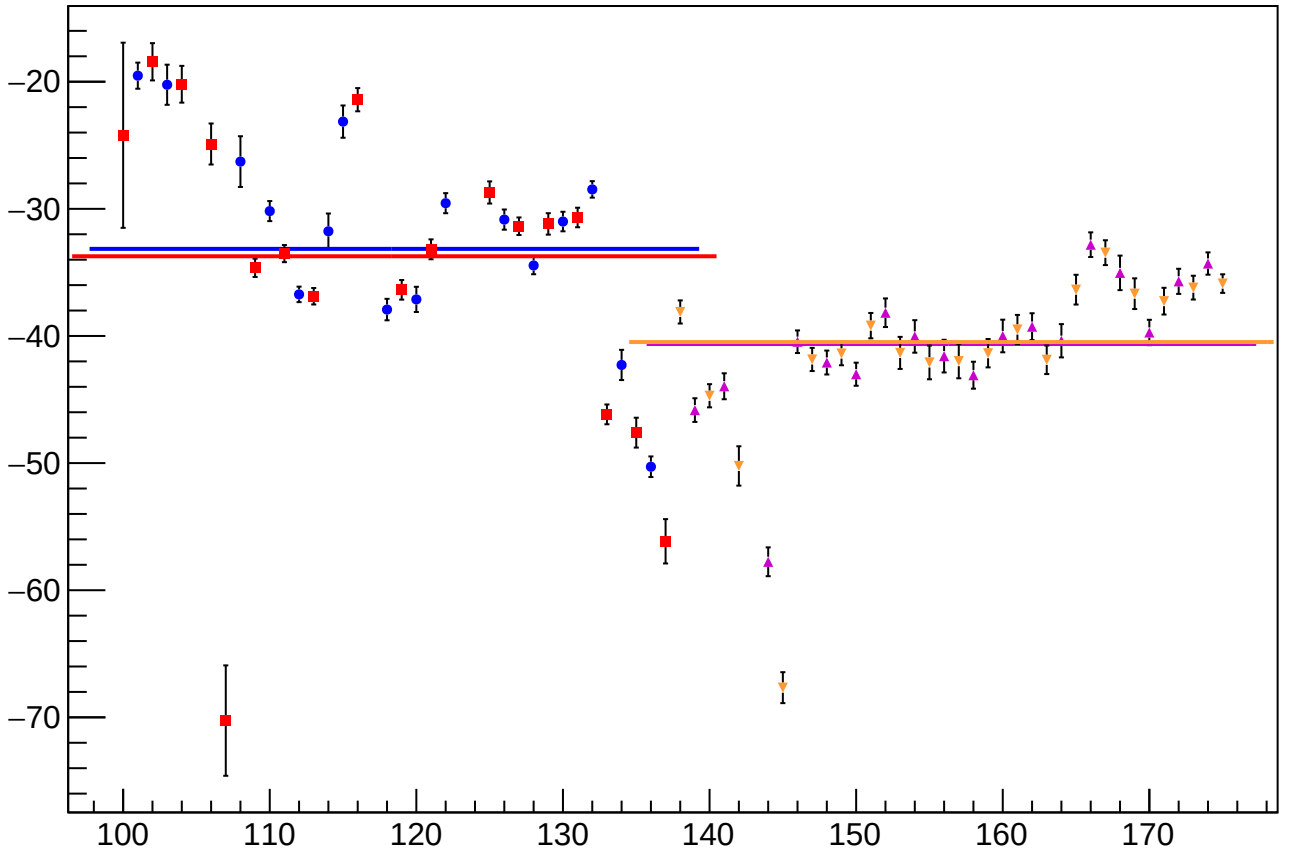
Left: 0.001+/-0.002 χ^2/NDF: 36.7/36

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.006+/-0.002 χ^2/NDF:52.6/33

Out: 0.002+/-0.002 χ^2/NDF:166.3/36

All: 0.004+/-0.002 χ^2/NDF: 220.7/70



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.478+/-0.240 χ^2/NDF:721.4/18

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -40.631+/-0.247 χ^2/NDF:451.9/17

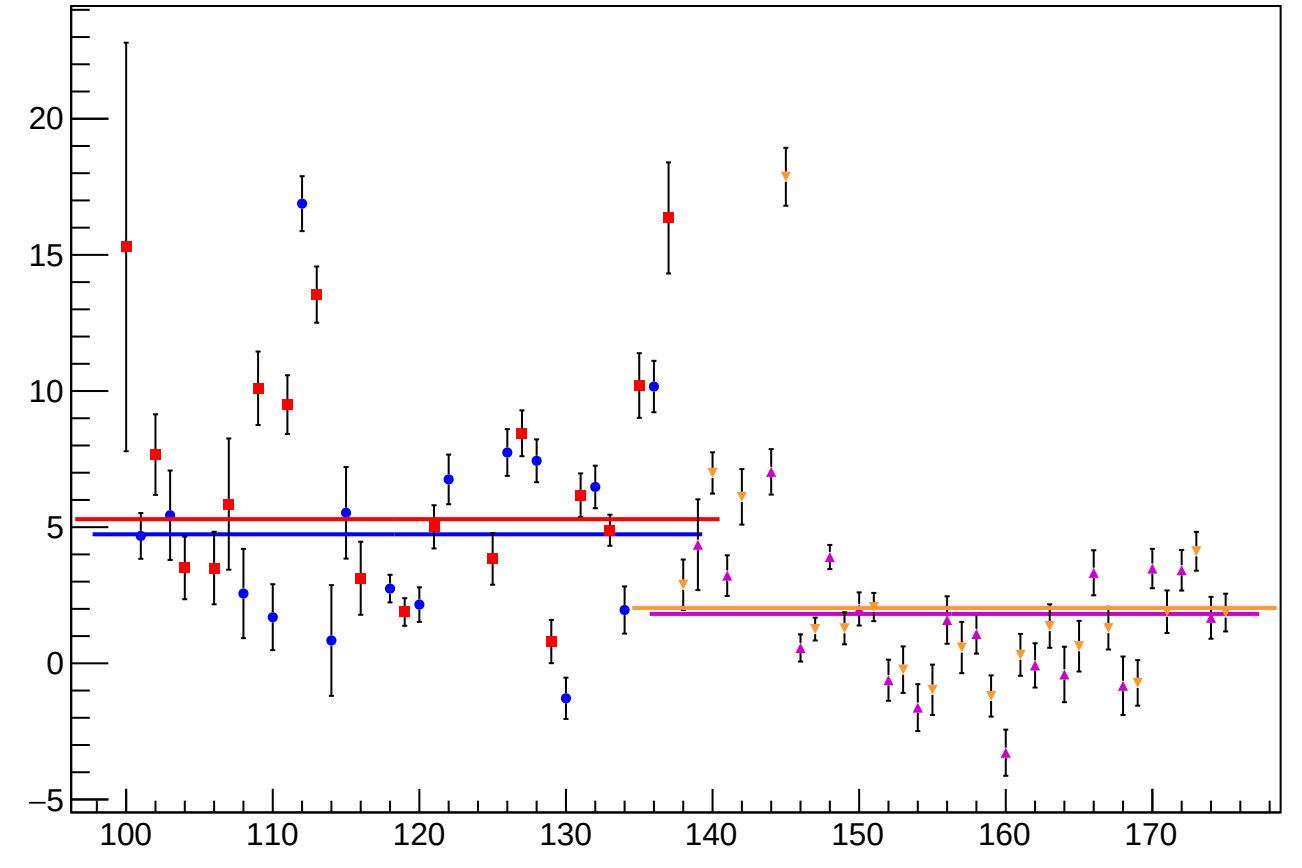
Left: -40.552+/-0.172 χ^2/NDF: 1173.5/36

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.427+/-0.163 χ^2/NDF:1982.4/33

Out: -36.732+/-0.160 χ^2/NDF:2308.6/36

All: -36.583+/-0.114 χ^2/NDF: 4292.7/70



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.033+/-0.168 χ^2/NDF:352.7/18

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.815+/-0.173 χ^2/NDF:166.6/17

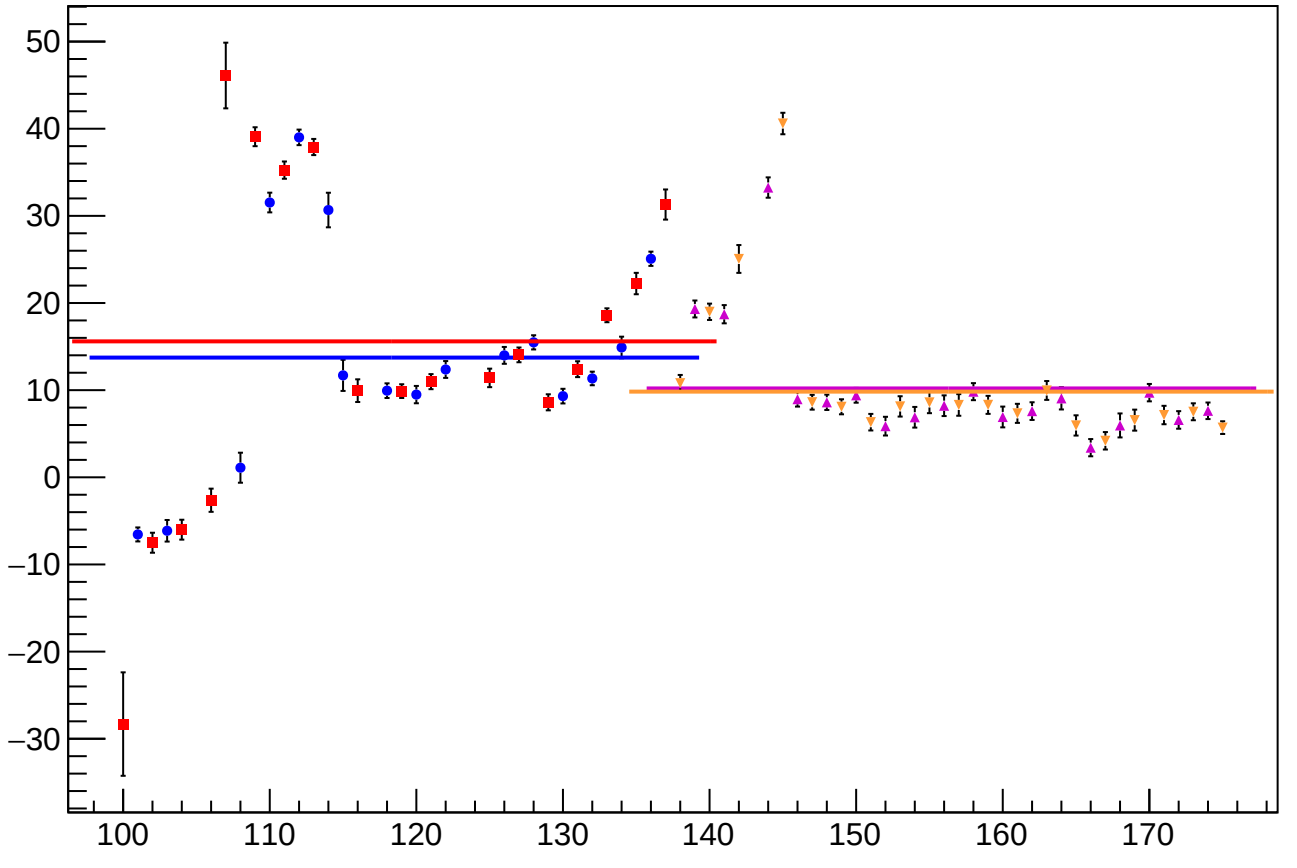
Left: 1.927+/-0.120 χ^2/NDF: 520.1/36

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.939+/-0.136 χ^2/NDF:605.7/33

Out: 3.208+/-0.134 χ^2/NDF:734.2/36

All: 3.075+/-0.095 χ^2/NDF: 1341.9/70



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.833+/-0.235 χ^2/NDF:936.9/18

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.197+/-0.242 χ^2/NDF:669.8/17

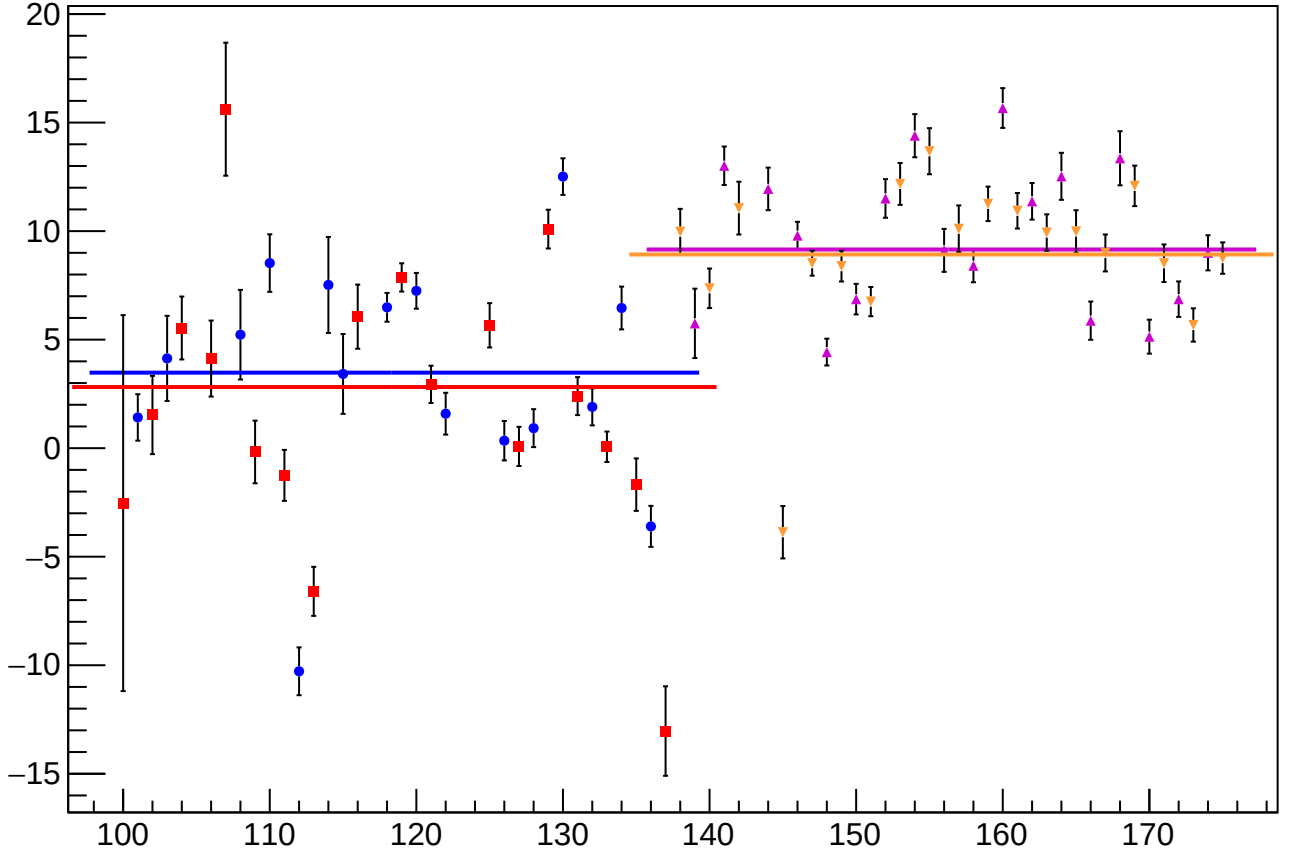
Left: 10.010+/-0.169 χ^2/NDF: 1607.8/36

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.935+/-0.173 χ^2/NDF:3124.5/33

Out: 12.541+/-0.171 χ^2/NDF:4045.2/36

All: 12.241+/-0.122 χ^2/NDF: 7175.9/70



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.924+/-0.194 χ^2/NDF:210.6/18

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.153+/-0.200 χ^2/NDF:264.1/17

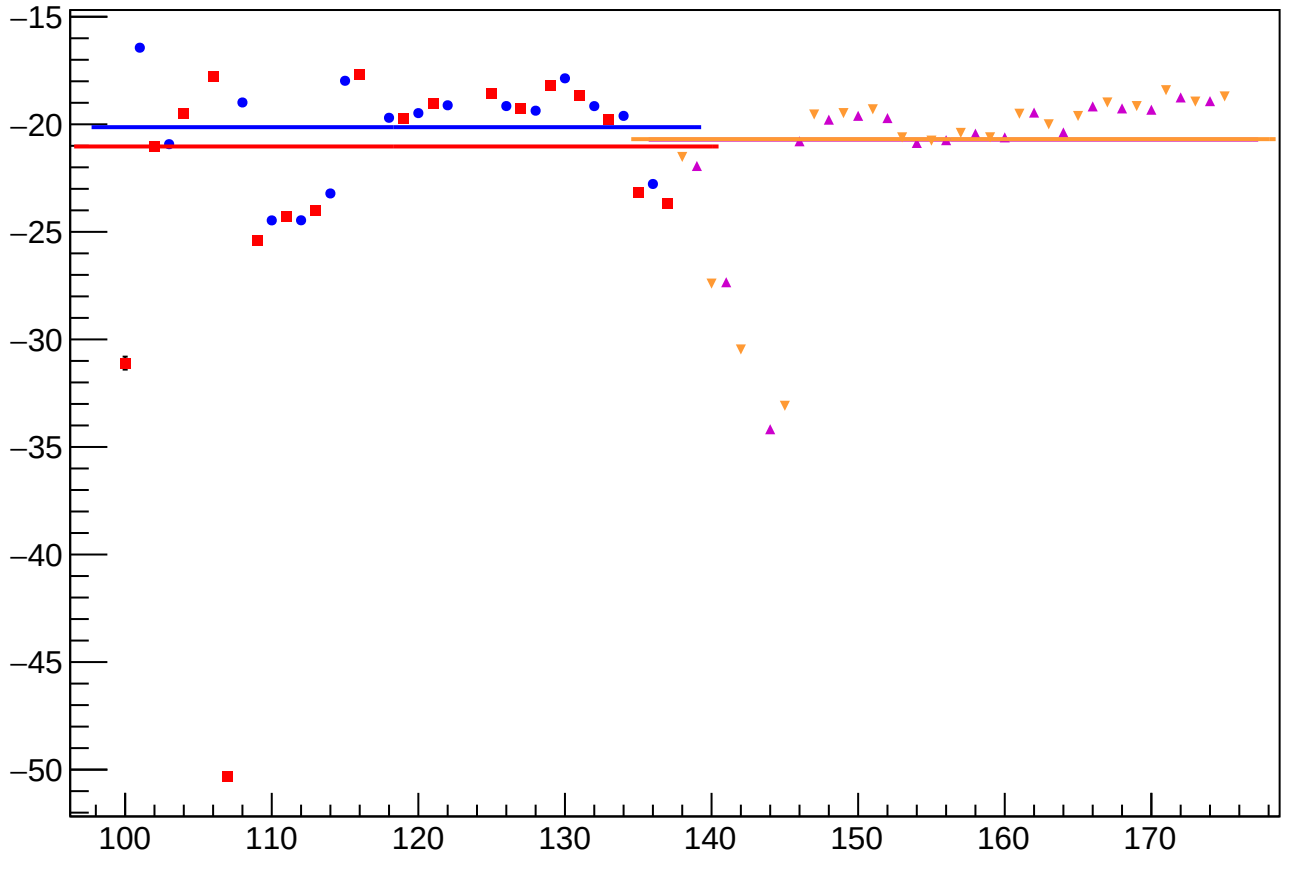
Left: 9.035+/-0.139 χ^2/NDF: 475.4/36

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.972+/-0.157 χ^2/NDF:999.6/33

Out: 6.708+/-0.155 χ^2/NDF:914.9/36

All: 6.838+/-0.110 χ^2/NDF: 1916.0/70



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.690+/-0.009 χ^2/NDF:132620.6/18

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.712+/-0.009 χ^2/NDF:104959.9/17

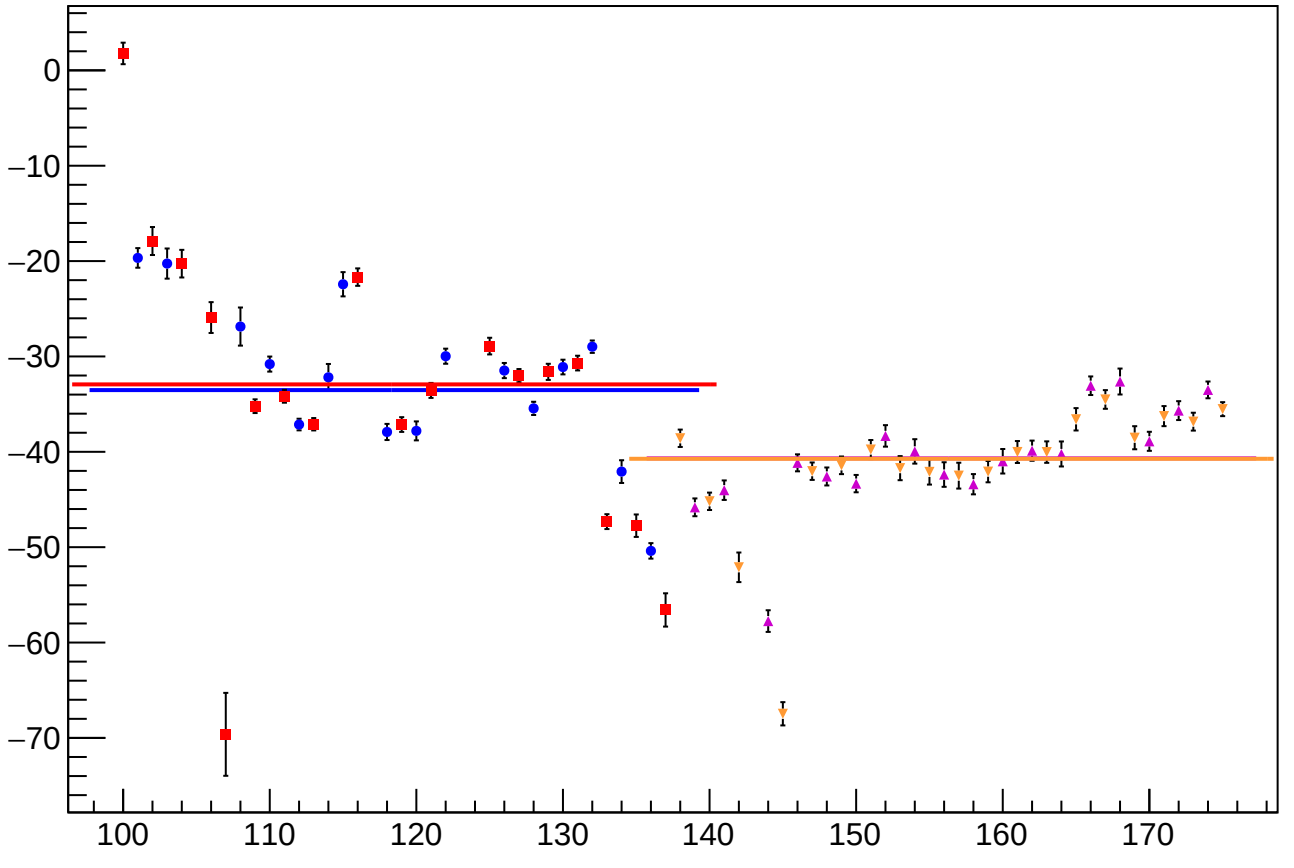
Left: -20.701+/-0.006 χ^2/NDF: 237583.6/36

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.572+/-0.008 χ^2/NDF:125782.7/33

Out: -20.768+/-0.008 χ^2/NDF:190474.9/36

All: -20.670+/-0.006 χ^2/NDF: 316566.0/70



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.731+/-0.240 χ^2/NDF:714.6/18

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -40.686+/-0.247 χ^2/NDF:484.9/17

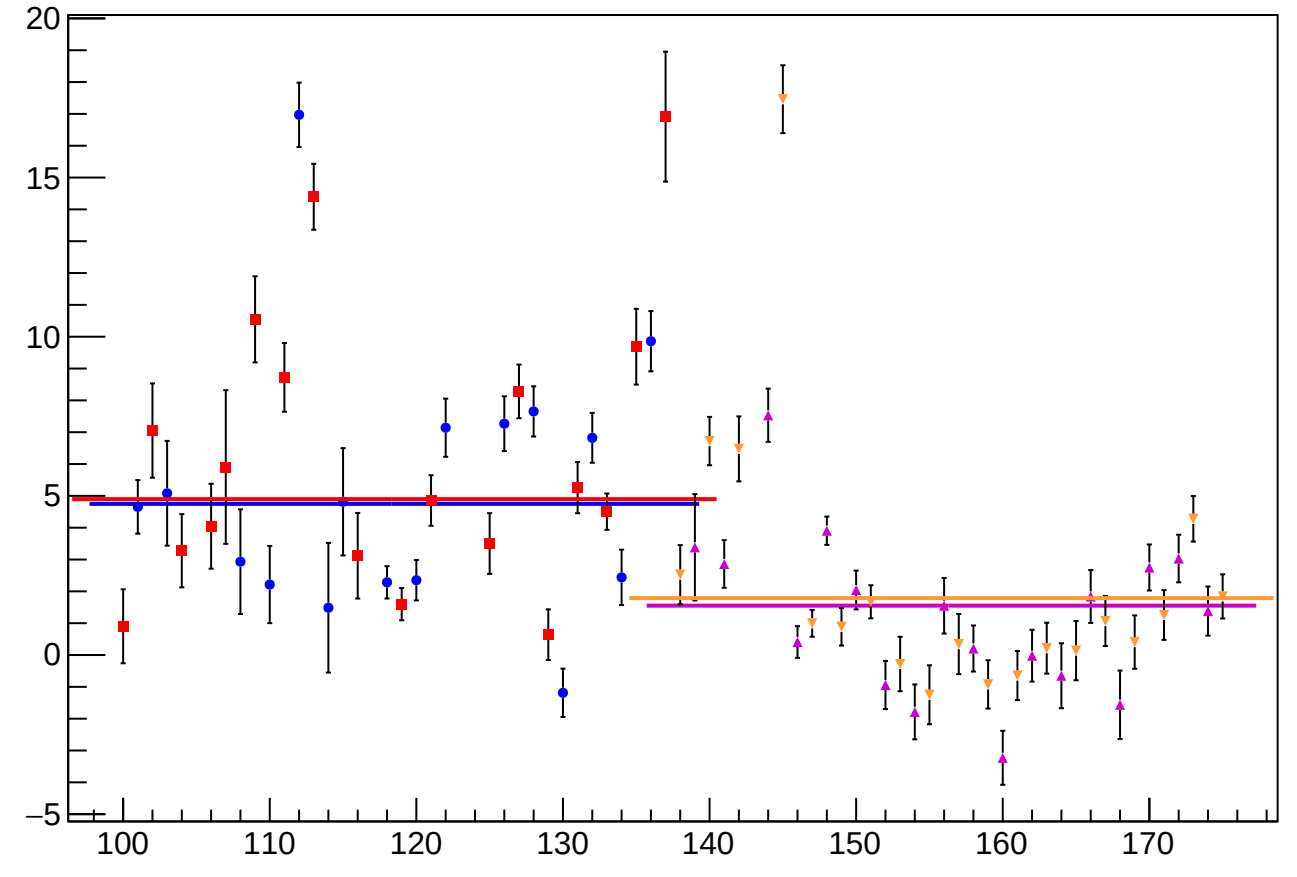
Left: -40.709+/-0.172 χ^2/NDF: 1199.6/36

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.666+/-0.164 χ^2/NDF:1964.2/33

Out: -36.336+/-0.159 χ^2/NDF:3477.8/36

All: -36.496+/-0.114 χ^2/NDF: 5444.2/70



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.788+/-0.168 χ^2/NDF:350.6/18

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.552+/-0.174 χ^2/NDF:173.9/17

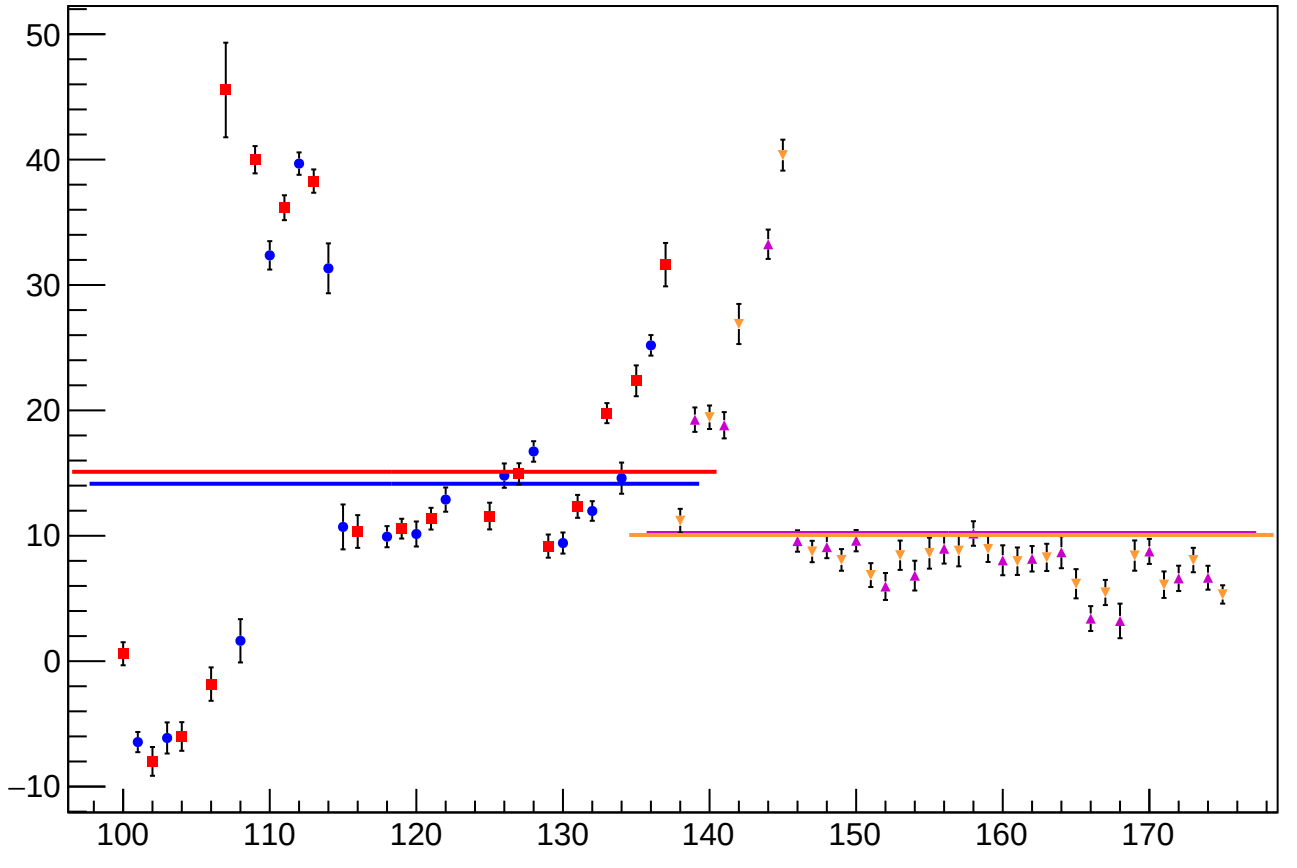
Left: 1.674+/-0.121 χ^2/NDF: 525.5/36

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.780+/-0.136 χ^2/NDF:630.0/33

Out: 2.933+/-0.133 χ^2/NDF:750.0/36

All: 2.858+/-0.095 χ^2/NDF: 1380.7/70



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.065+/-0.236 χ^2/NDF:938.9/18

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 10.220+/-0.243 χ^2/NDF:680.2/17

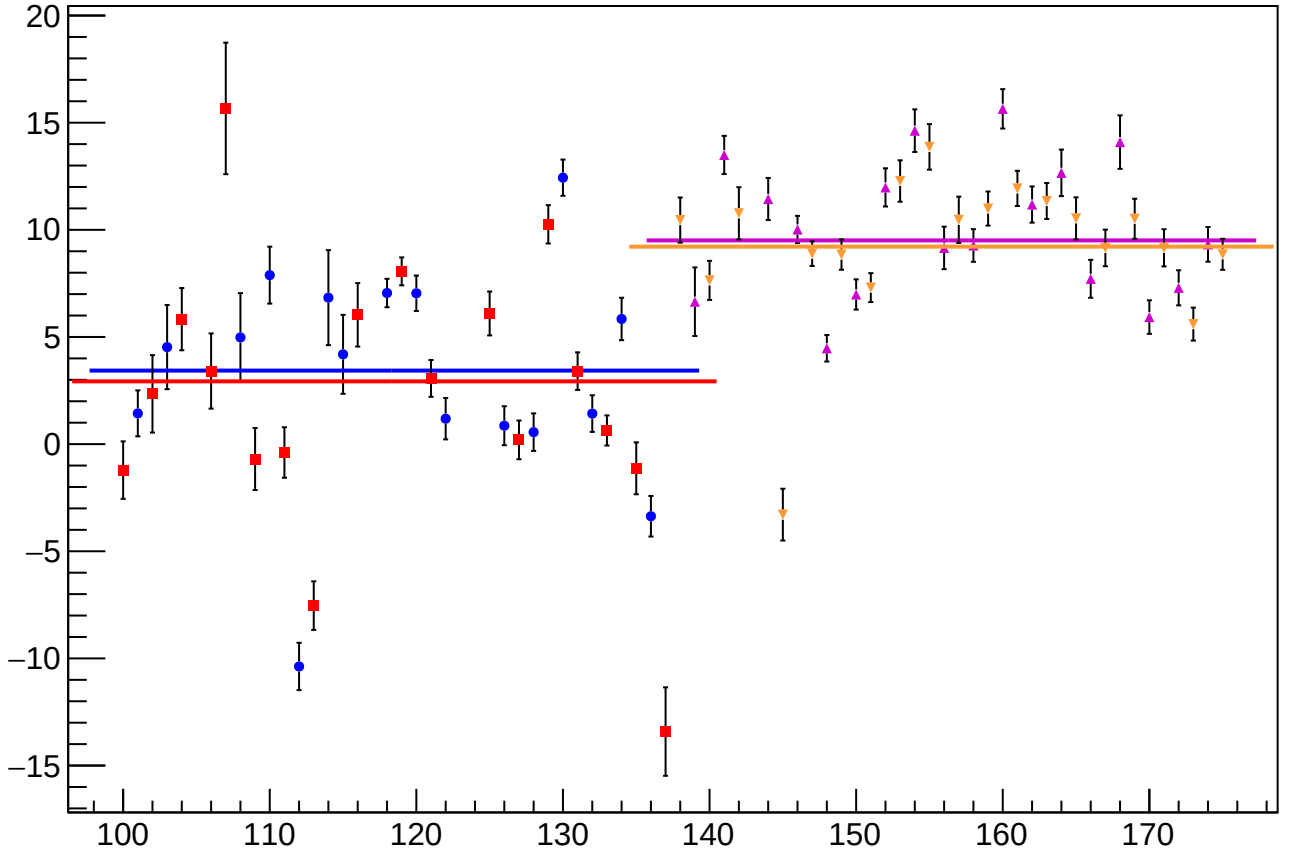
Left: 10.140+/-0.169 χ^2/NDF: 1619.2/36

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.148+/-0.173 χ^2/NDF:3211.1/33

Out: 12.518+/-0.169 χ^2/NDF:4263.6/36

All: 12.338+/-0.121 χ^2/NDF: 7477.0/70



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.216+/-0.194 χ^2/NDF:200.6/18

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.507+/-0.201 χ^2/NDF:244.1/17

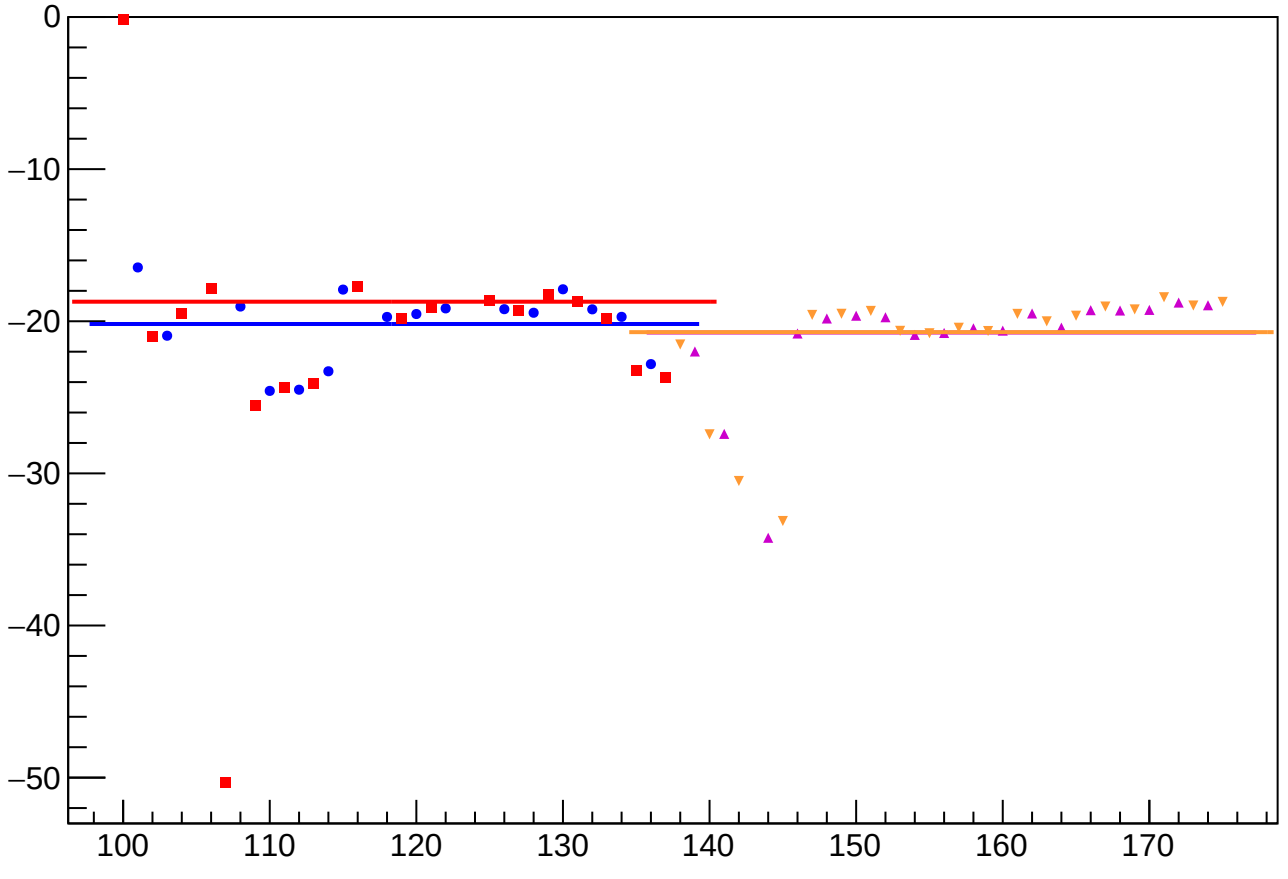
Left: 9.357+/-0.140 χ^2/NDF: 445.8/36

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.172+/-0.158 χ^2/NDF:1019.7/33

Out: 6.885+/-0.154 χ^2/NDF:955.9/36

All: 7.025+/-0.110 χ^2/NDF: 1977.4/70



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.715+/-0.009 χ^2/NDF:132336.1/18

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.740+/-0.009 χ^2/NDF:105250.1/17

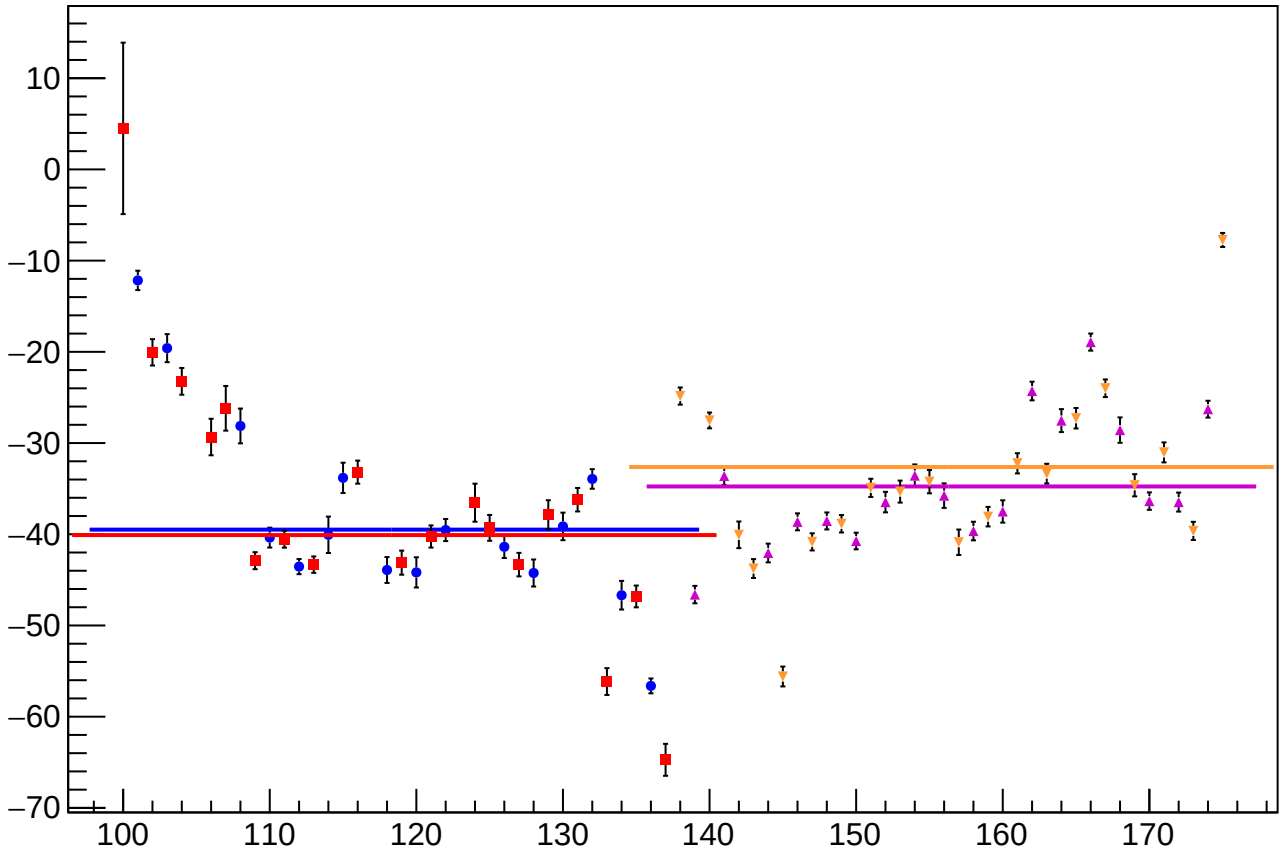
Left: -20.728+/-0.006 χ^2/NDF: 237589.9/36

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.606+/-0.008 χ^2/NDF:126030.9/33

Out: -20.214+/-0.008 χ^2/NDF:379393.5/36

All: -20.408+/-0.006 χ^2/NDF: 506674.5/70



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.628+/-0.233 χ^2/NDF:2076.5/19

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -34.760+/-0.245 χ^2/NDF:847.1/17

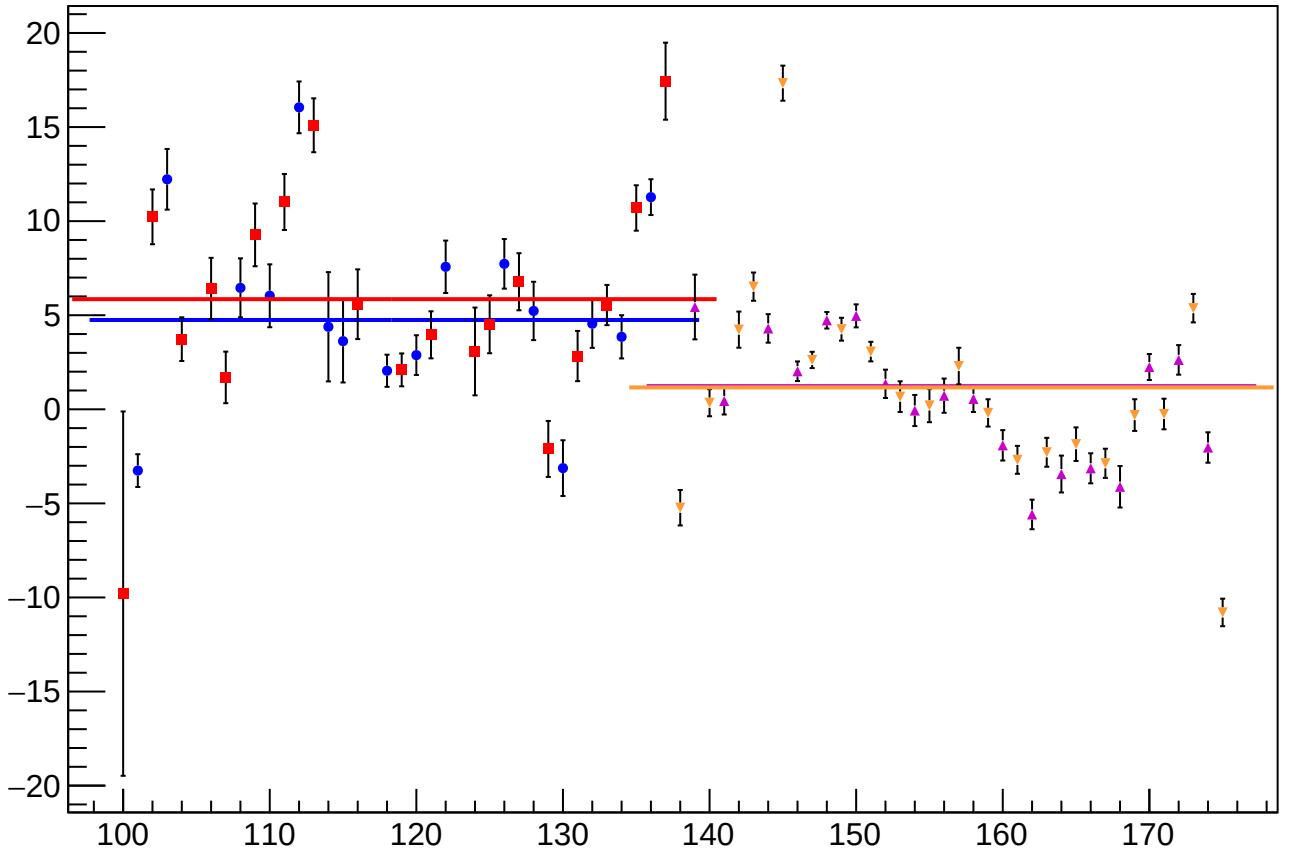
Left: -33.642+/-0.169 χ^2/NDF: 2963.3/37

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -36.575+/-0.192 χ^2/NDF:2407.3/33

Out: -35.360+/-0.186 χ^2/NDF:3285.6/38

All: -35.946+/-0.134 χ^2/NDF: 5713.5/72



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.163+/-0.163 χ^2/NDF:856.0/19

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.231+/-0.172 χ^2/NDF:318.4/17

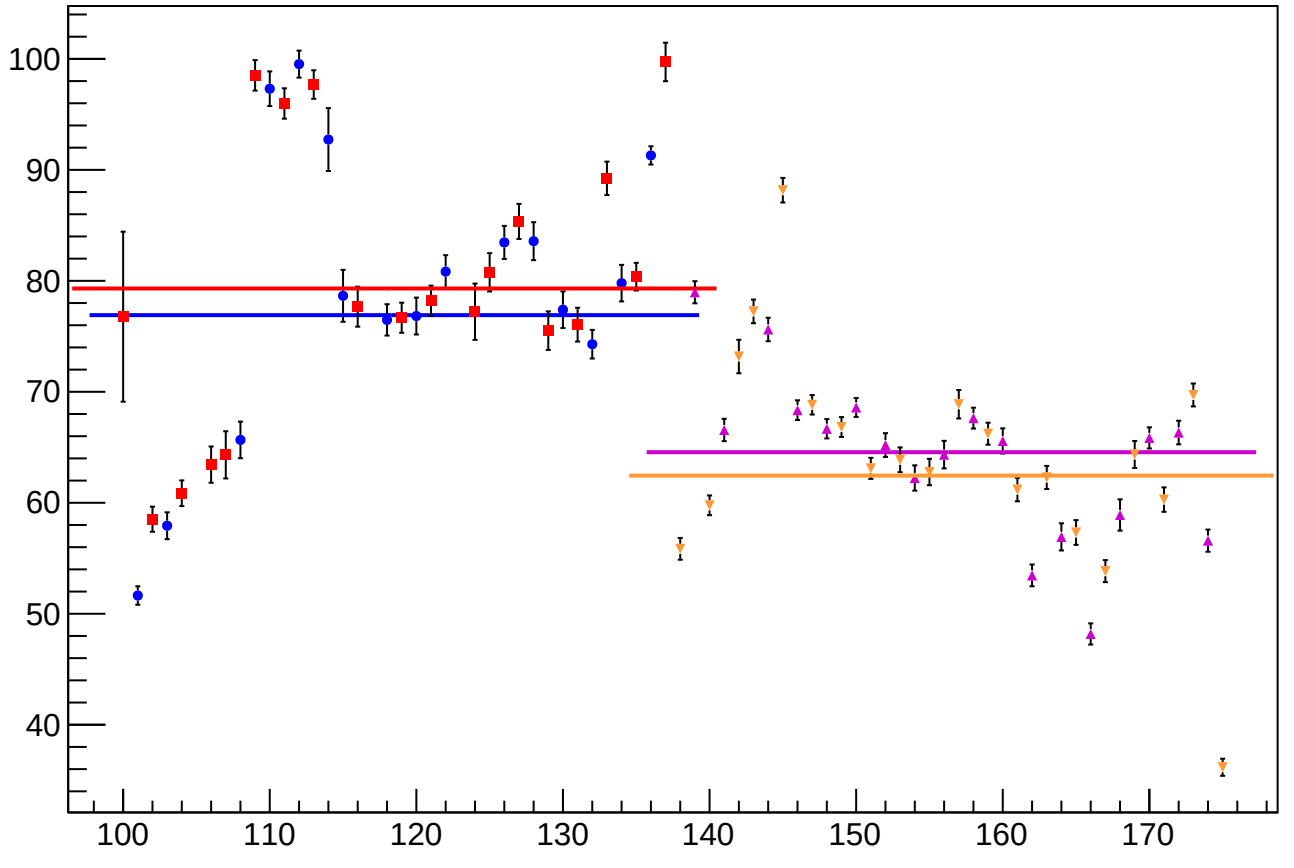
Left: 1.196+/-0.118 χ^2/NDF: 1174.5/37

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.034+/-0.151 χ^2/NDF:687.9/33

Out: 2.114+/-0.146 χ^2/NDF:1210.9/38

All: 2.075+/-0.105 χ^2/NDF: 1898.9/72



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.450+/-0.229 χ^2/NDF:2273.4/19

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 64.558+/-0.240 χ^2/NDF:930.0/17

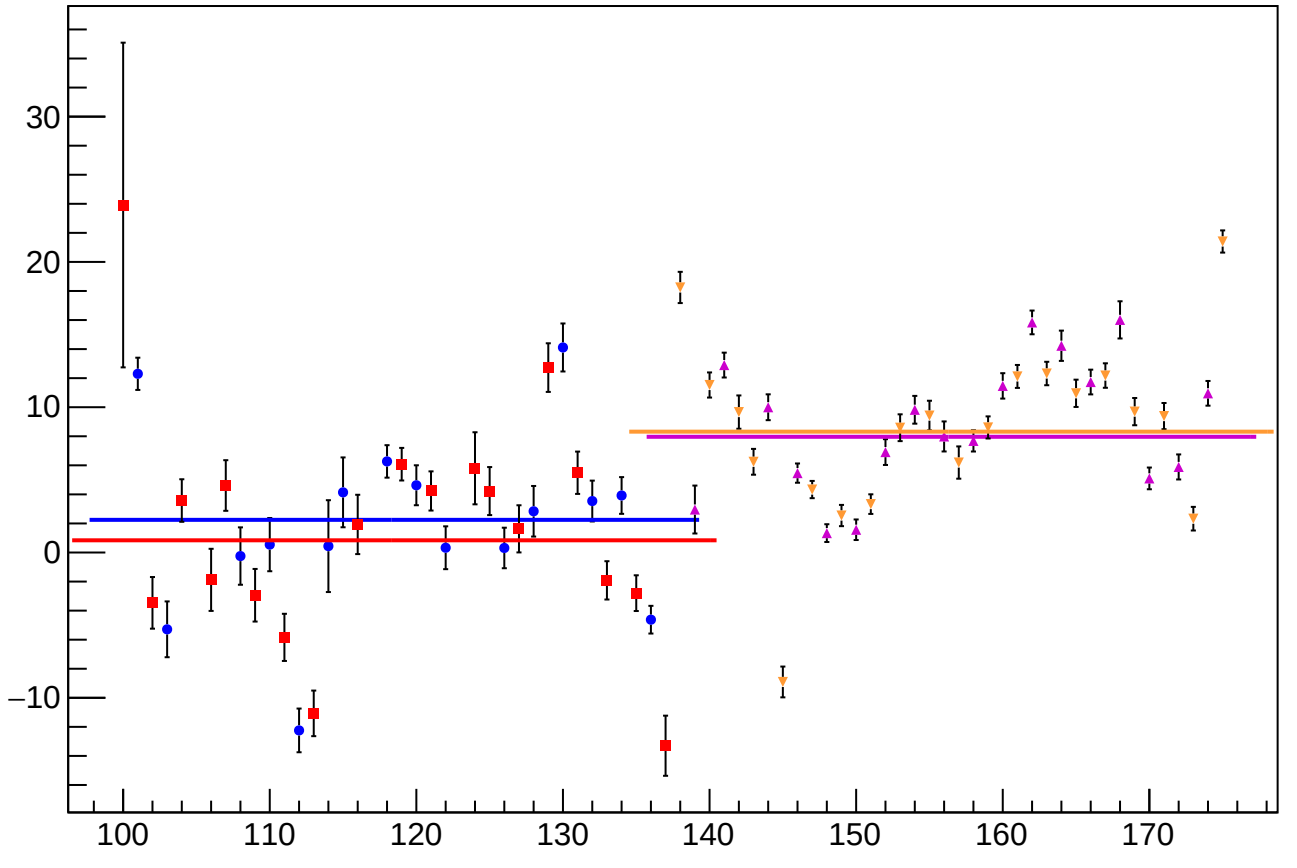
Left: 63.455+/-0.166 χ^2/NDF: 3243.7/37

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 68.723+/-0.196 χ^2/NDF:3936.9/33

Out: 67.559+/-0.191 χ^2/NDF:5407.3/38

All: 68.129+/-0.137 χ^2/NDF: 9362.3/72



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.318+/-0.189 χ^2/NDF:965.5/19

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 7.964+/-0.199 χ^2/NDF:503.8/17

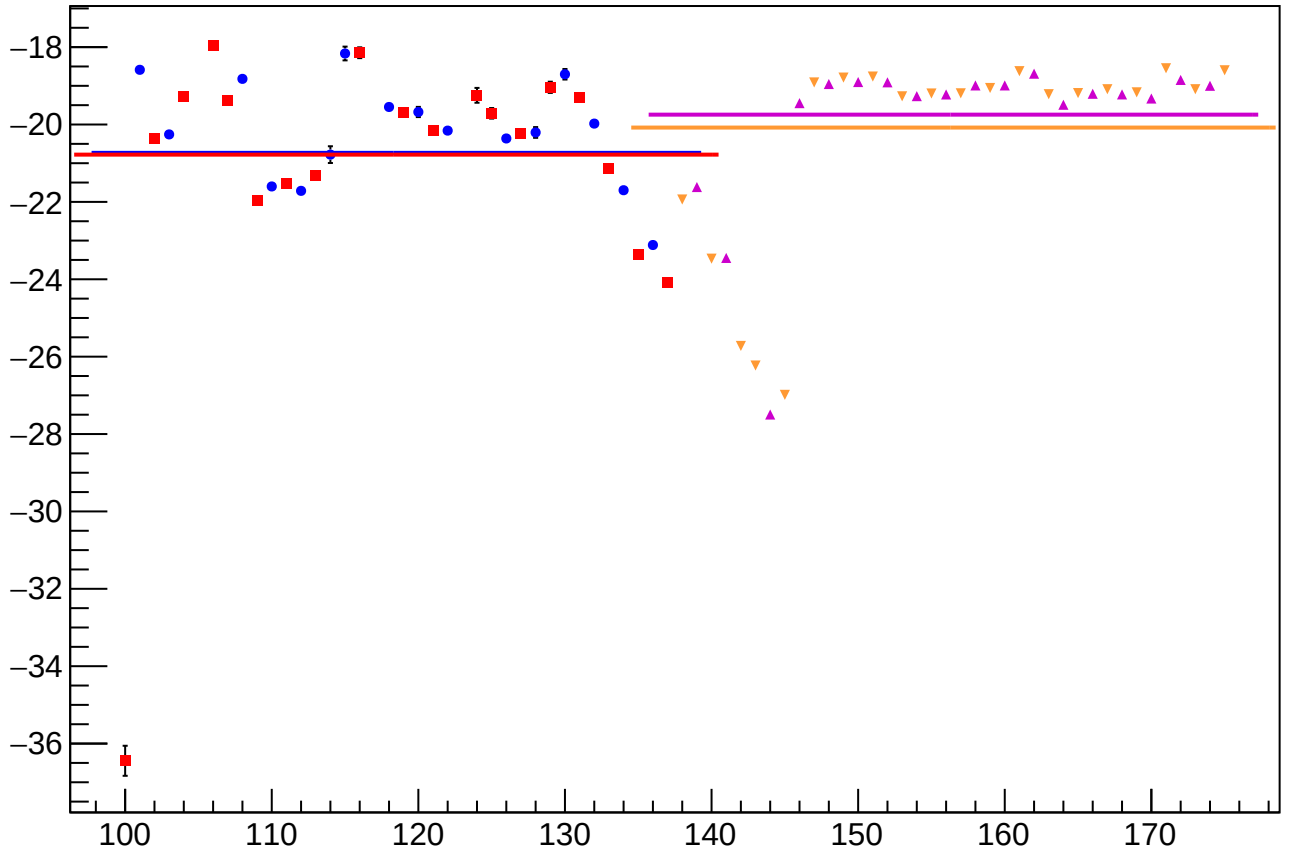
Left: 8.150+/-0.137 χ^2/NDF: 1471.0/37

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 6.648+/-0.174 χ^2/NDF:1014.3/33

Out: 6.783+/-0.169 χ^2/NDF:1542.8/38

All: 6.718+/-0.121 χ^2/NDF: 2557.4/72



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.079+/-0.009 χ^2/NDF:75513.7/19

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.745+/-0.009 χ^2/NDF:42784.5/17

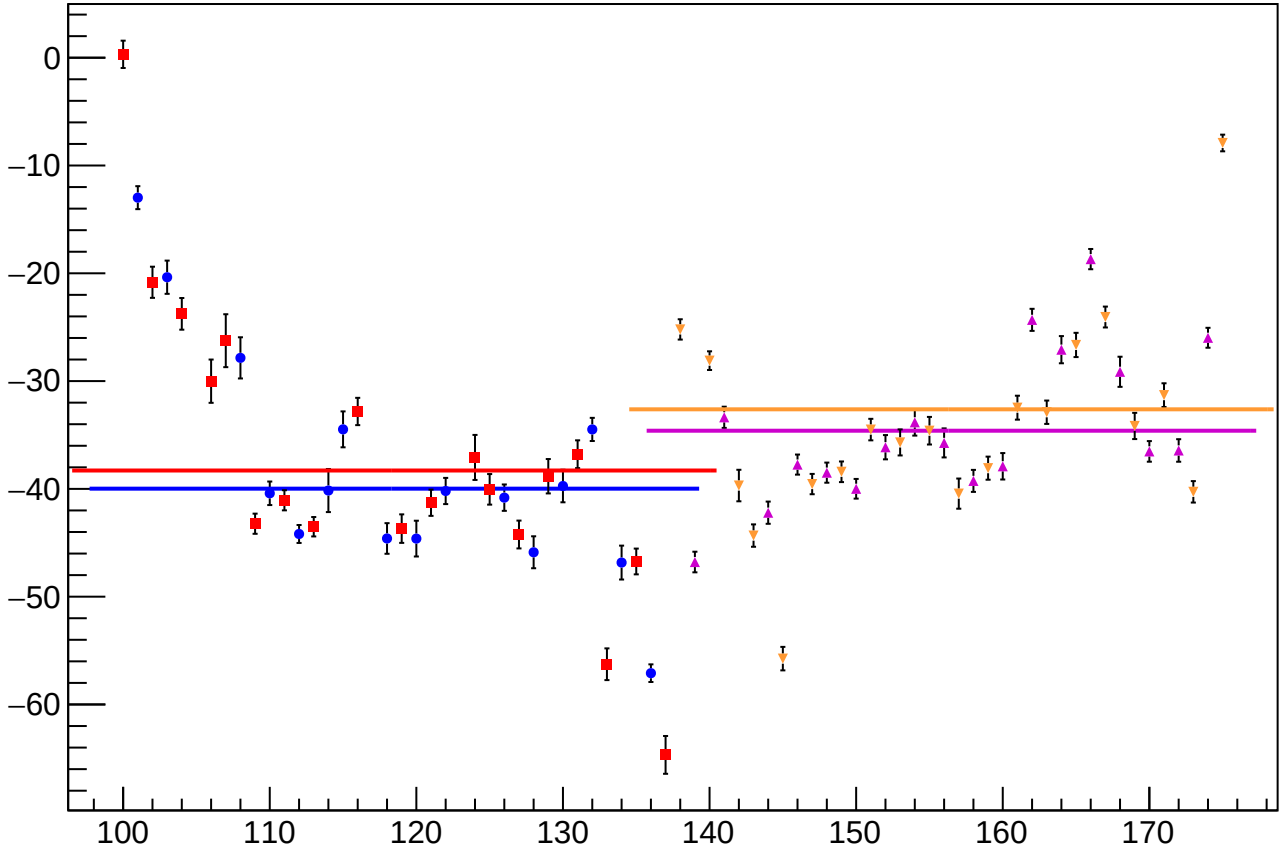
Left: -19.915+/-0.006 χ^2/NDF: 119006.9/37

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.918+/-0.008 χ^2/NDF:52550.2/33

Out: -20.190+/-0.008 χ^2/NDF:85949.9/38

All: -20.056+/-0.006 χ^2/NDF: 139064.7/72



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.619+/-0.234 χ^2/NDF:2039.6/19

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -34.603+/-0.245 χ^2/NDF:845.9/17

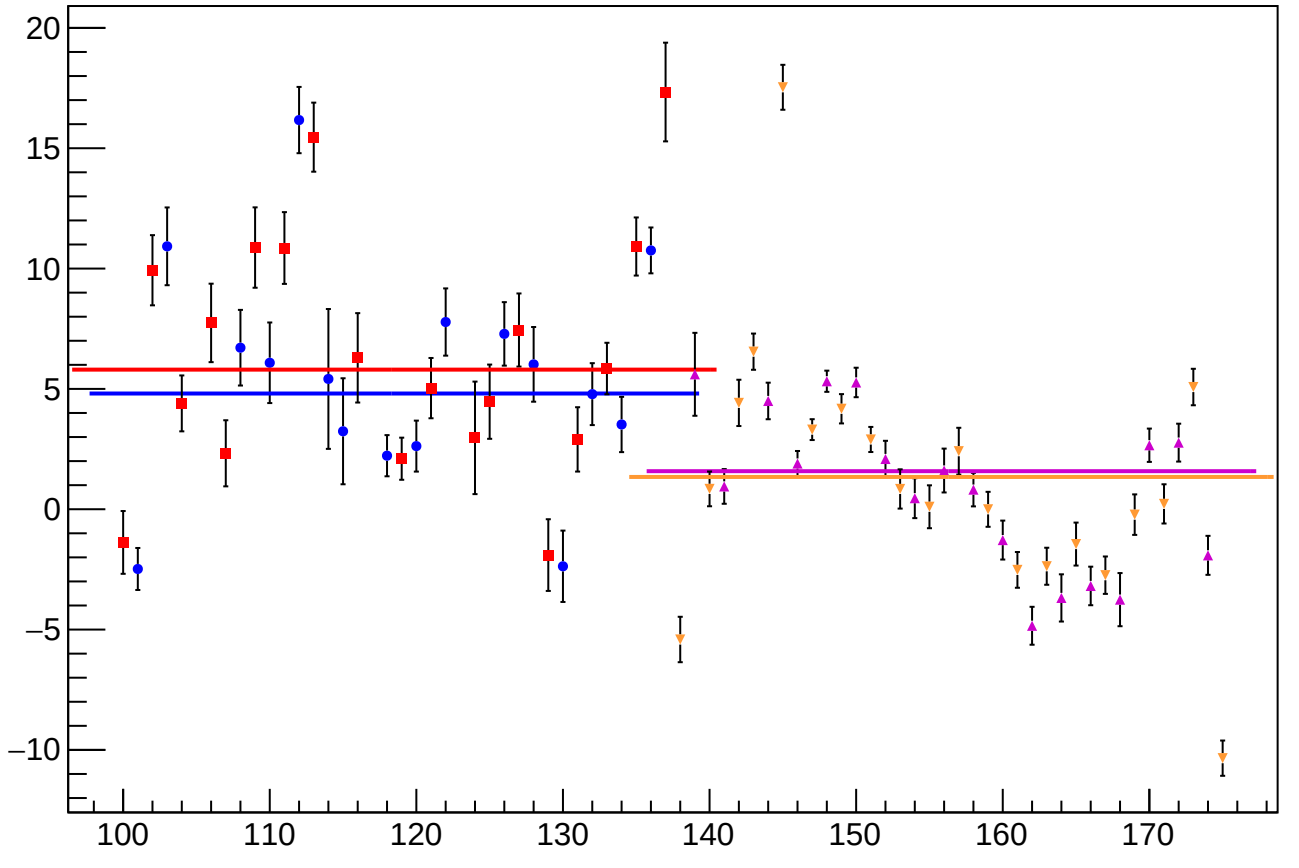
Left: -33.563+/-0.169 χ^2/NDF: 2919.8/37

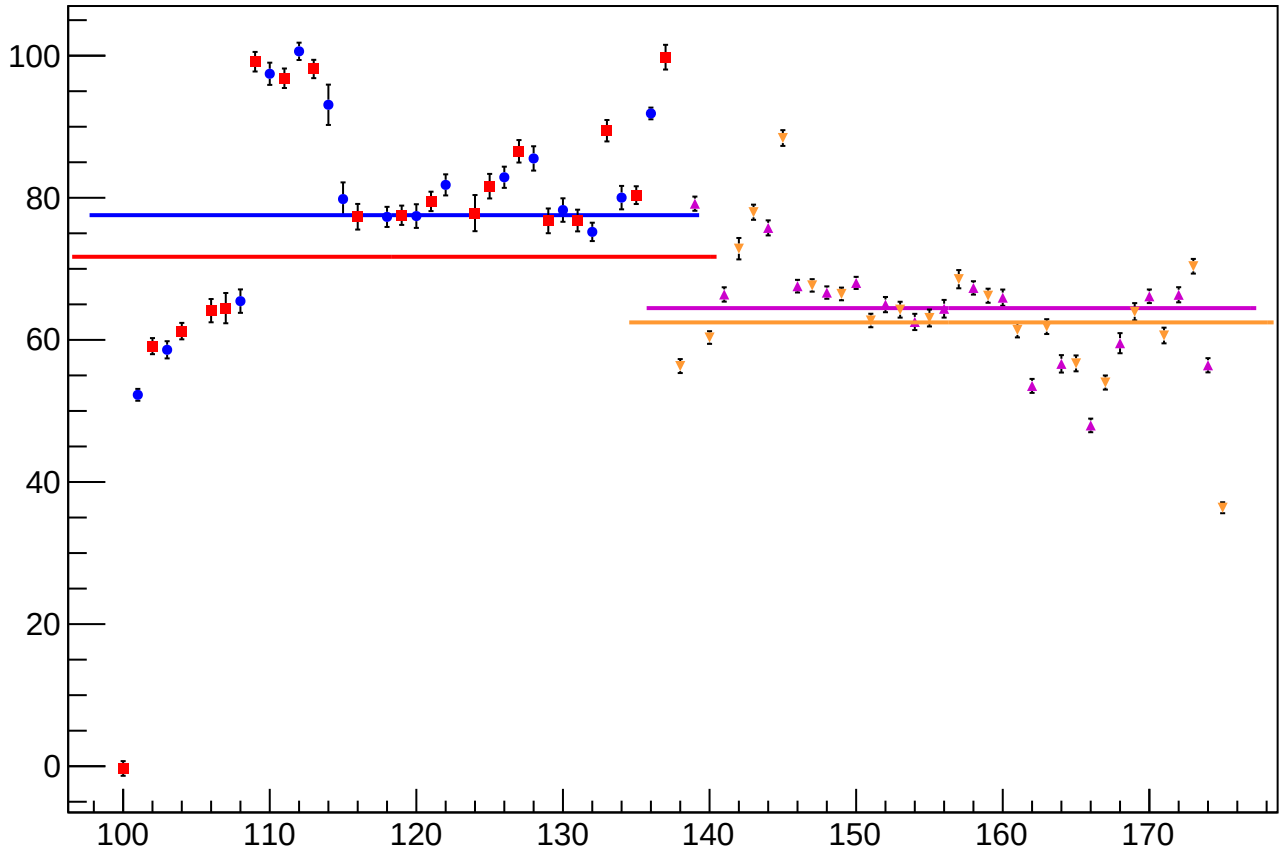
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -36.666+/-0.193 χ^2/NDF:2428.3/33

Out: -34.771+/-0.184 χ^2/NDF:4037.0/38

All: -35.676+/-0.133 χ^2/NDF: 6515.9/72


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 1.341+/-0.164 χ²/NDF:840.5/19
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.581+/-0.172 χ²/NDF:323.1/17
Left: 1.455+/-0.119 χ²/NDF: 1164.7/37
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.318+/-0.151 χ²/NDF:643.9/33
Out: 2.288+/-0.145 χ²/NDF:1214.8/38
All: 2.303+/-0.105 χ²/NDF: 1858.7/72



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.462+/-0.230 χ^2/NDF:2252.7/19

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.472+/-0.241 χ^2/NDF:928.5/17

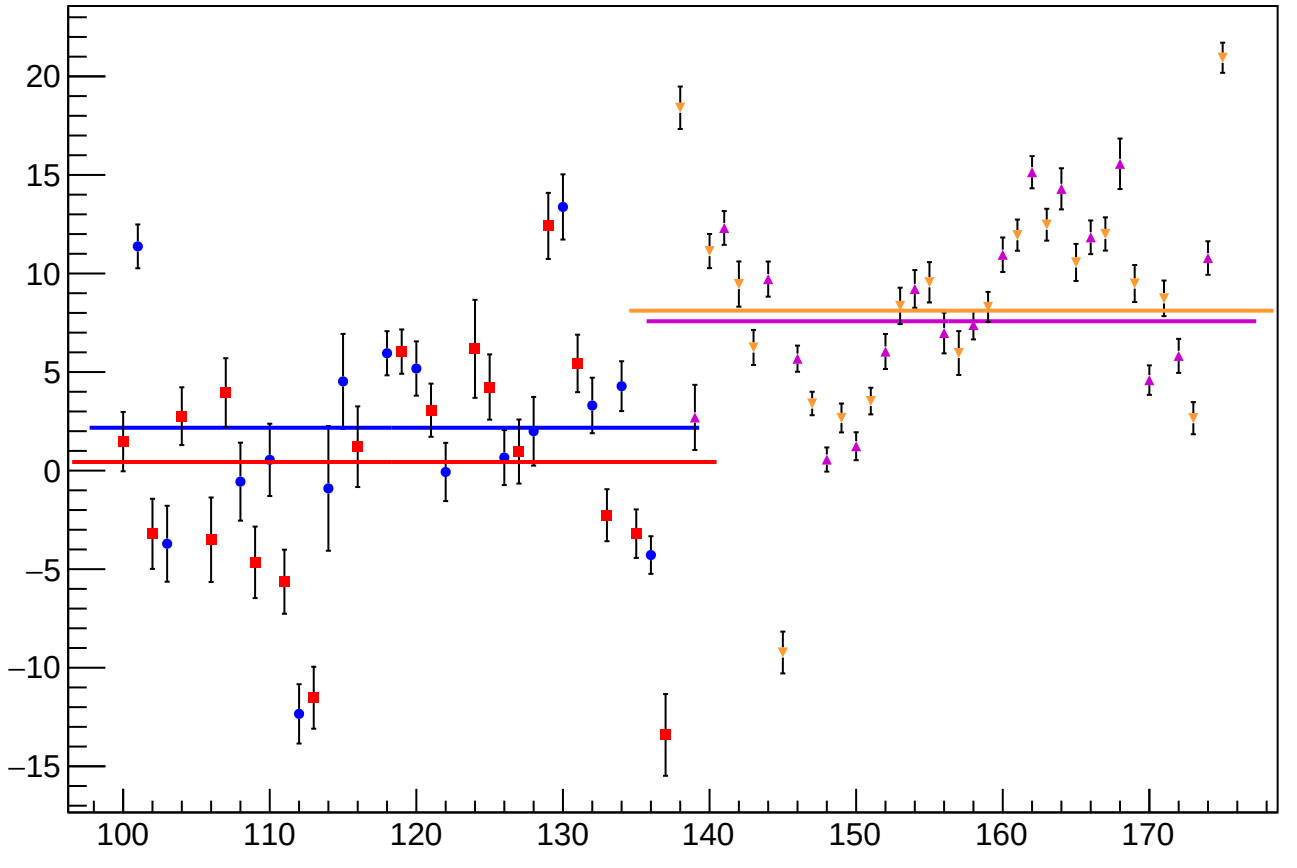
Left: 63.420+/-0.166 χ^2/NDF: 3217.8/37

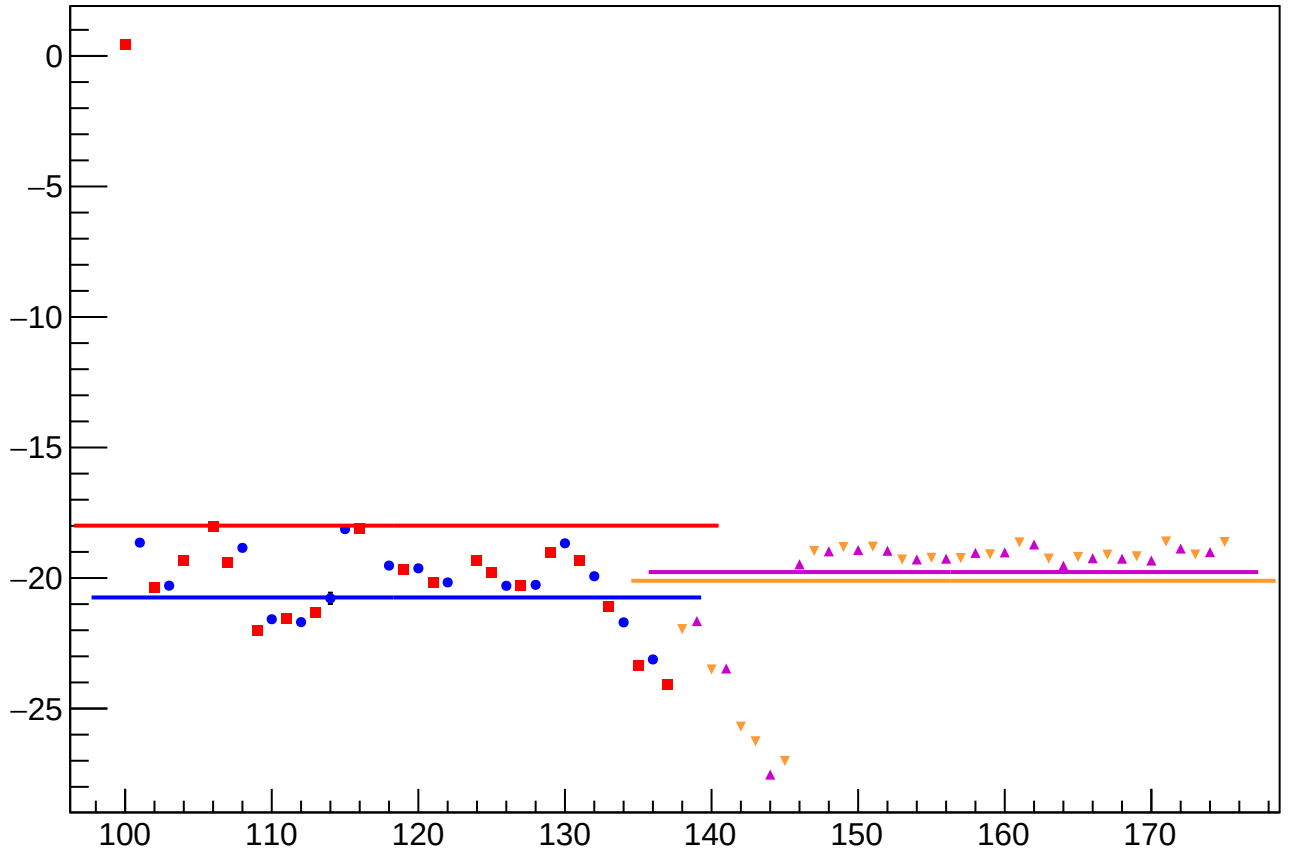
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

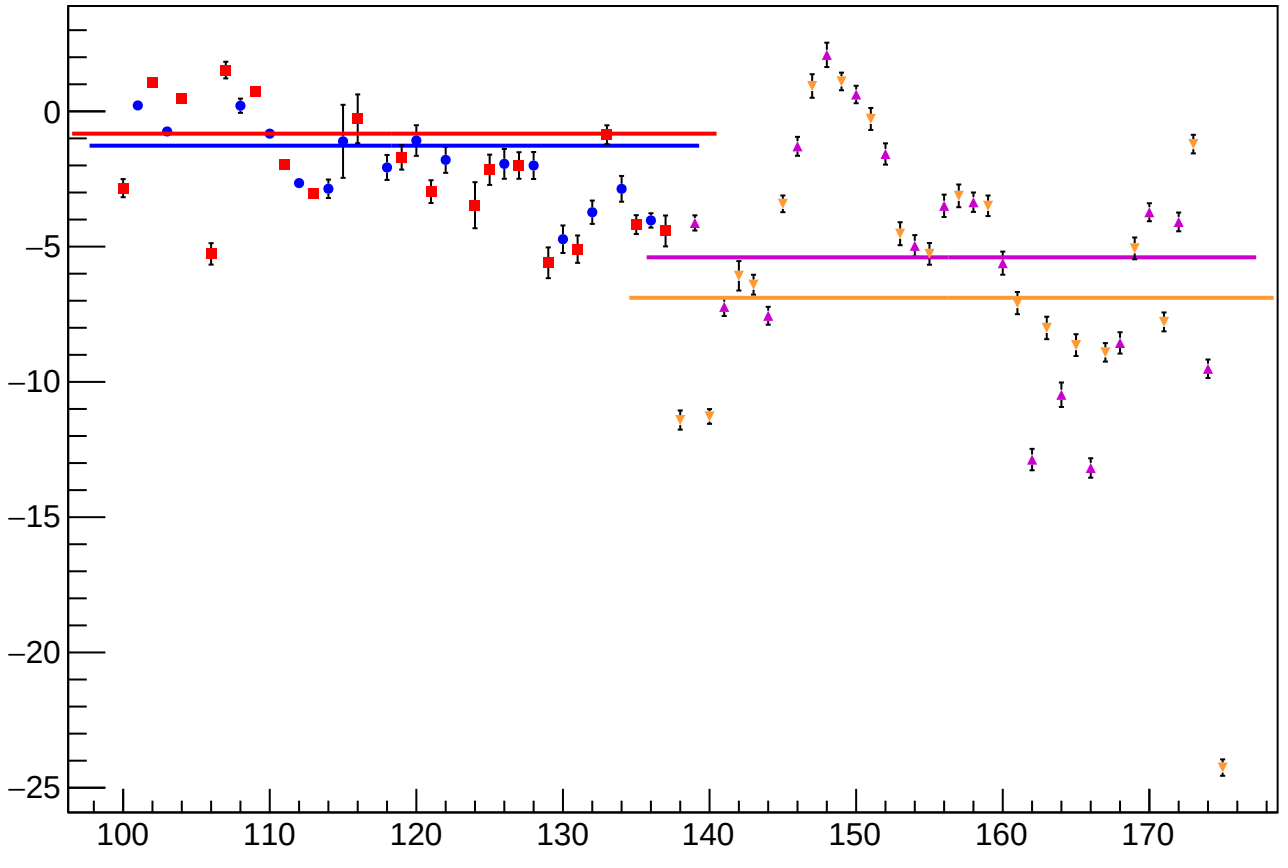
In: 68.885+/-0.196 χ^2/NDF:4043.1/33

Out: 65.471+/-0.189 χ^2/NDF:9683.1/38

All: 67.113+/-0.136 χ^2/NDF: 13883.7/72


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 8.114+/-0.189 χ²/NDF:956.2/19
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.578+/-0.199 χ²/NDF:510.4/17
Left: 7.859+/-0.137 χ²/NDF: 1470.4/37
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.333+/-0.175 χ²/NDF:970.6/33
Out: 6.465+/-0.168 χ²/NDF:1563.6/38
All: 6.402+/-0.121 χ²/NDF: 2534.5/72


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.105+/-0.009 χ²/NDF:75065.6/19
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.772+/-0.009 χ²/NDF:42658.0/17
Left: -19.942+/-0.006 χ²/NDF: 118427.1/37
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.942+/-0.008 χ²/NDF:52233.7/33
Out: -19.729+/-0.008 χ²/NDF:235930.7/38
All: -19.833+/-0.006 χ²/NDF: 288516.6/72



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -6.892+/-0.082 χ^2/NDF:5582.1/19

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.396+/-0.086 χ^2/NDF:2202.2/17

Left: -6.174+/-0.059 χ^2/NDF: 7943.0/37

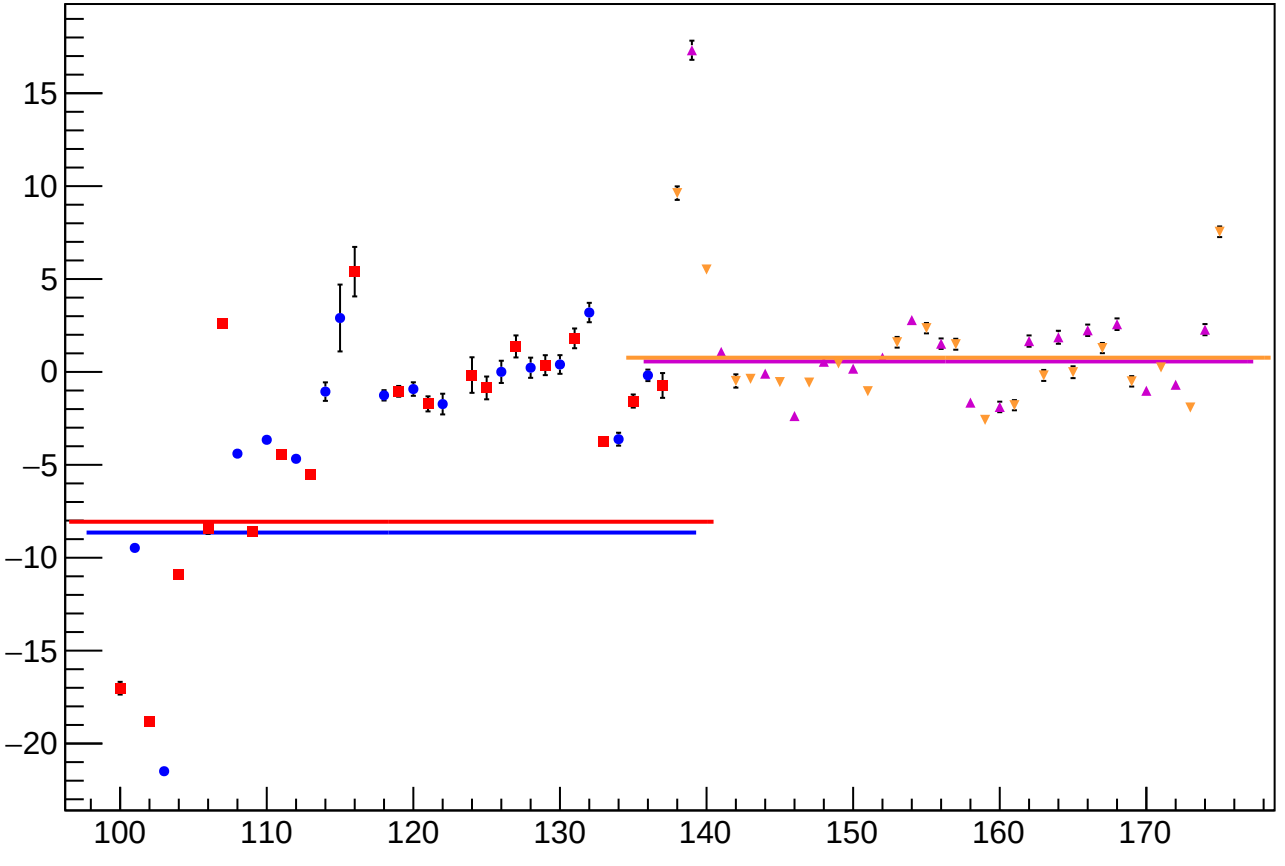
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.461+/-0.046 χ^2/NDF:4471.8/33

Out: -2.512+/-0.043 χ^2/NDF:10895.8/38

All: -2.488+/-0.032 χ^2/NDF: 15368.3/72

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.767+/-0.059 χ^2/NDF:2194.0/19

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.564+/-0.063 χ^2/NDF:1696.6/17

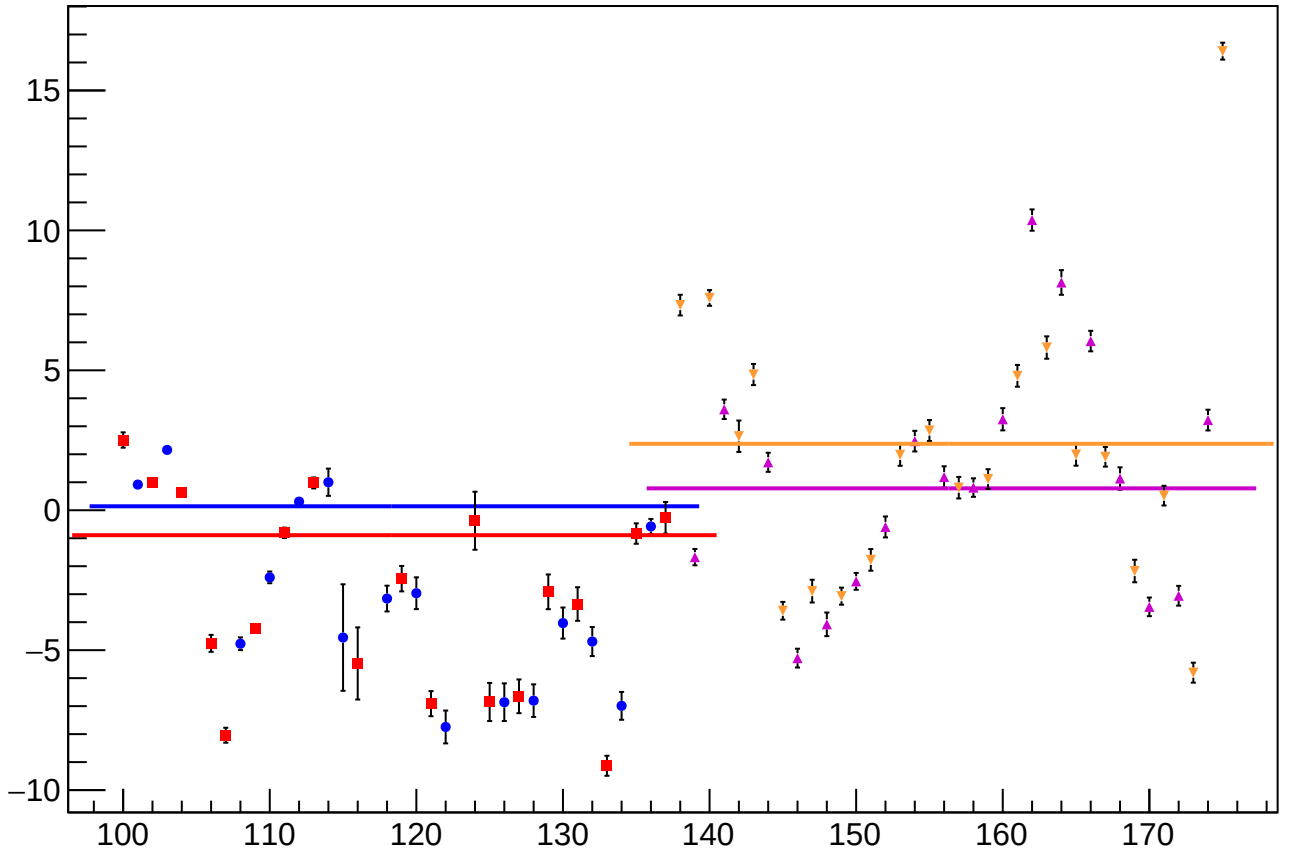
Left: 0.671+/-0.043 χ^2/NDF: 3896.1/37

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.489+/-0.042 χ^2/NDF:27330.8/33

Out: -3.794+/-0.041 χ^2/NDF:28021.2/38

All: -4.134+/-0.030 χ^2/NDF: 55490.4/72



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.374+/-0.081 χ^2/NDF:4497.9/19

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.782+/-0.084 χ^2/NDF:2240.8/17

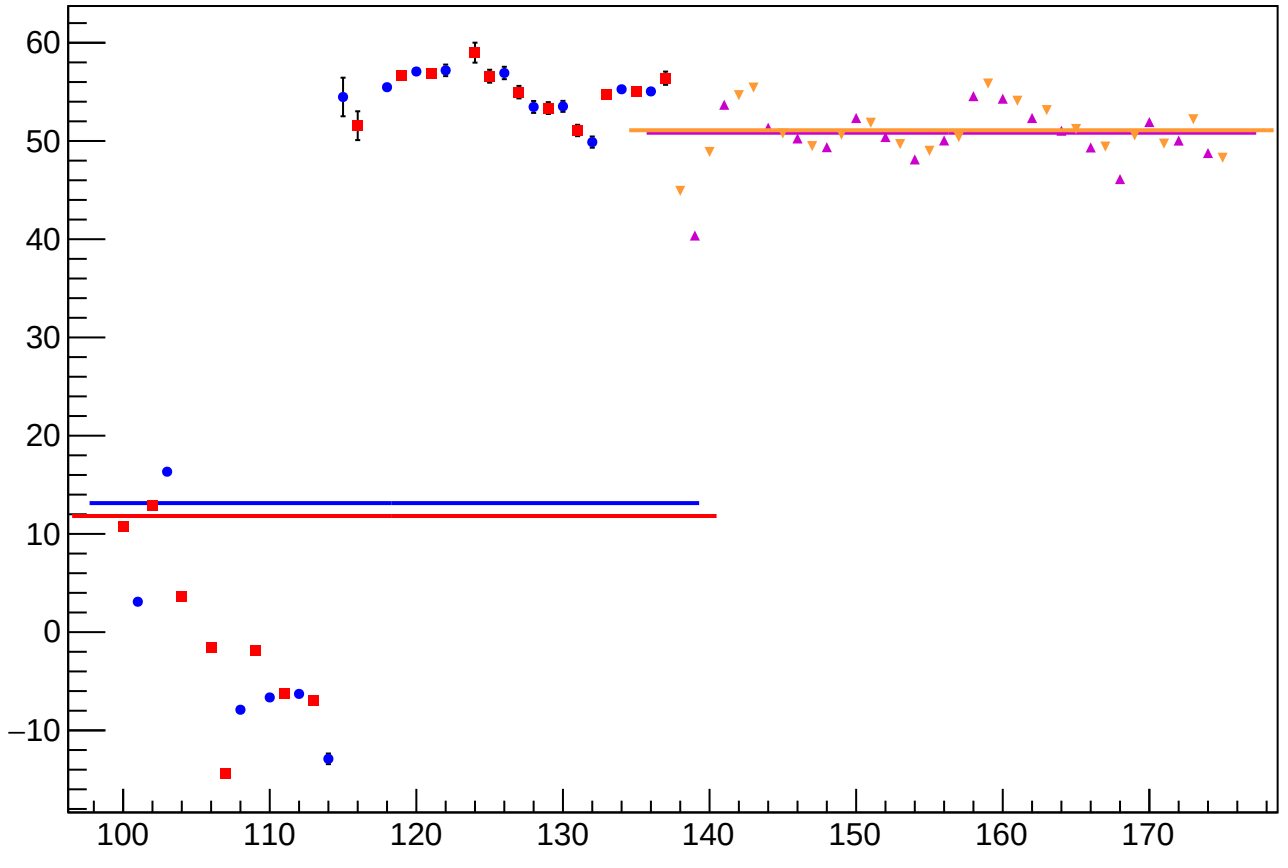
Left: 1.609+/-0.058 χ^2/NDF: 6924.3/37

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.323+/-0.045 χ^2/NDF:4242.1/33

Out: 0.104+/-0.045 χ^2/NDF:8613.5/38

All: 0.213+/-0.032 χ^2/NDF: 12867.5/72



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.092+/-0.068 χ^2/NDF:1276.9/19

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.840+/-0.071 χ^2/NDF:1313.0/17

Left: 50.973+/-0.049 χ^2/NDF: 2596.5/37

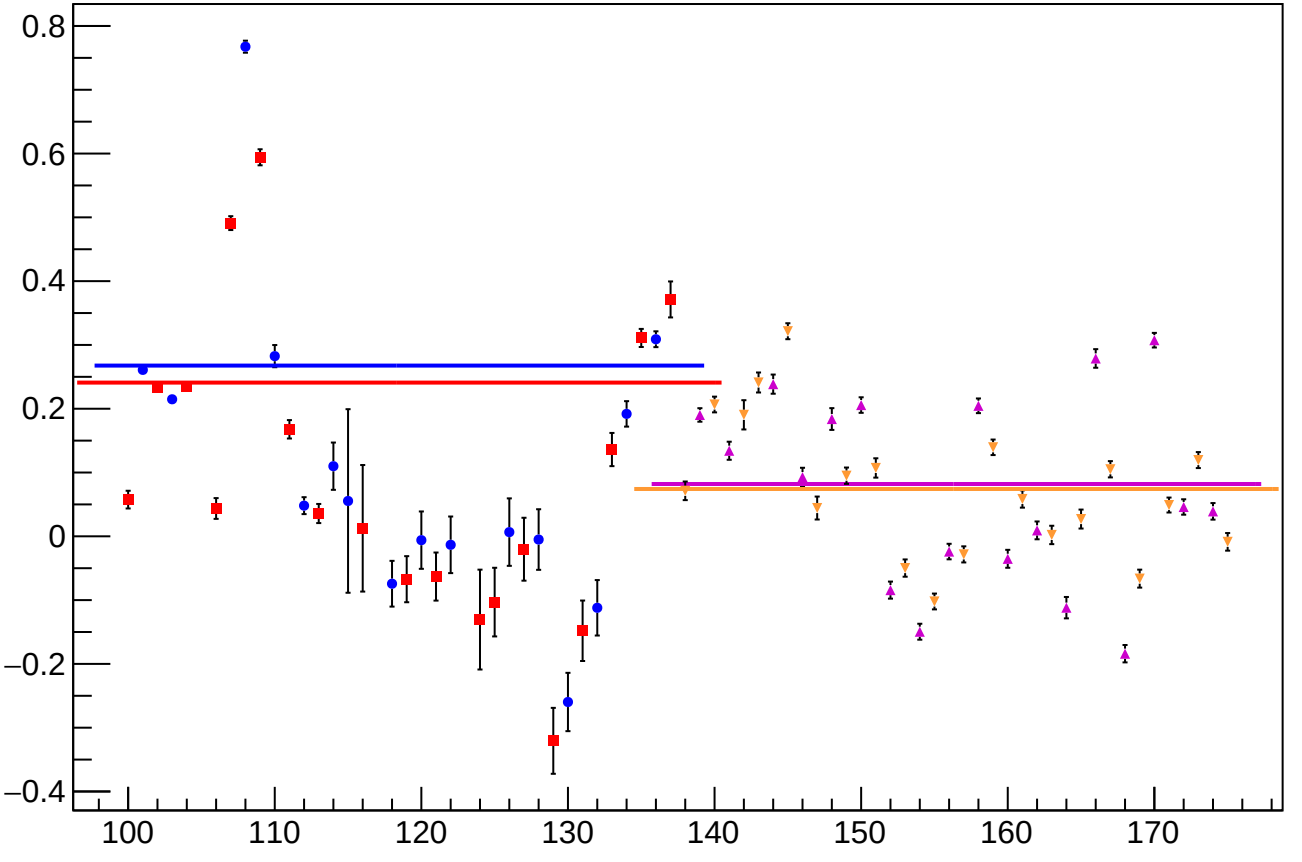
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 31.080+/-0.049 χ^2/NDF:256449.5/33

Out: 31.438+/-0.048 χ^2/NDF:286787.7/38

All: 31.264+/-0.034 χ^2/NDF: 543264.3/72

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.074+/-0.003 χ^2/NDF:1232.0/19

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.082+/-0.003 χ^2/NDF:2254.6/17

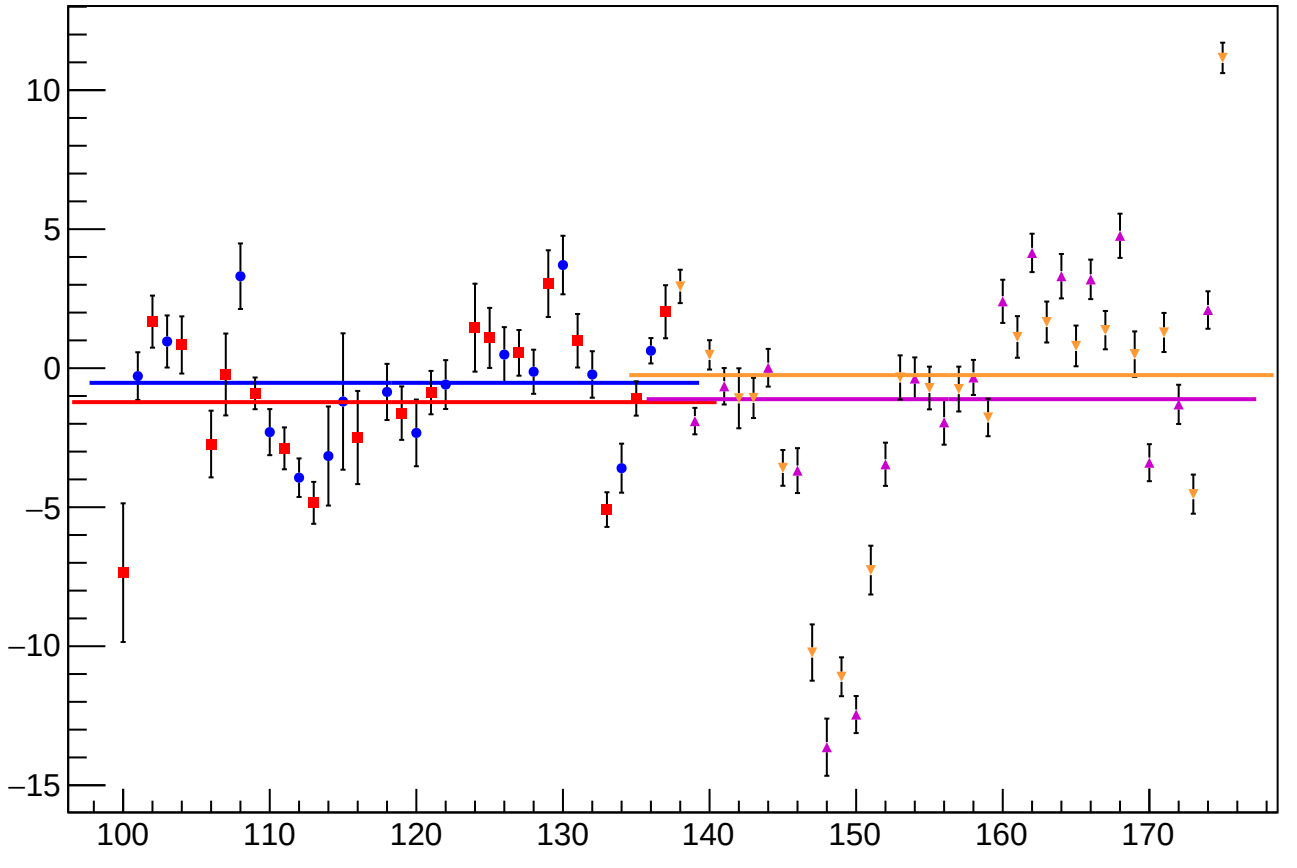
Left: 0.078+/-0.002 χ^2/NDF: 3489.8/37

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.185+/-0.002 χ^2/NDF:7950.8/33

Out: 0.166+/-0.002 χ^2/NDF:5218.7/38

All: 0.175+/-0.001 χ^2/NDF: 13208.3/72



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.249+/-0.159 χ^2/NDF:961.4/19

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.114+/-0.166 χ^2/NDF:701.8/17

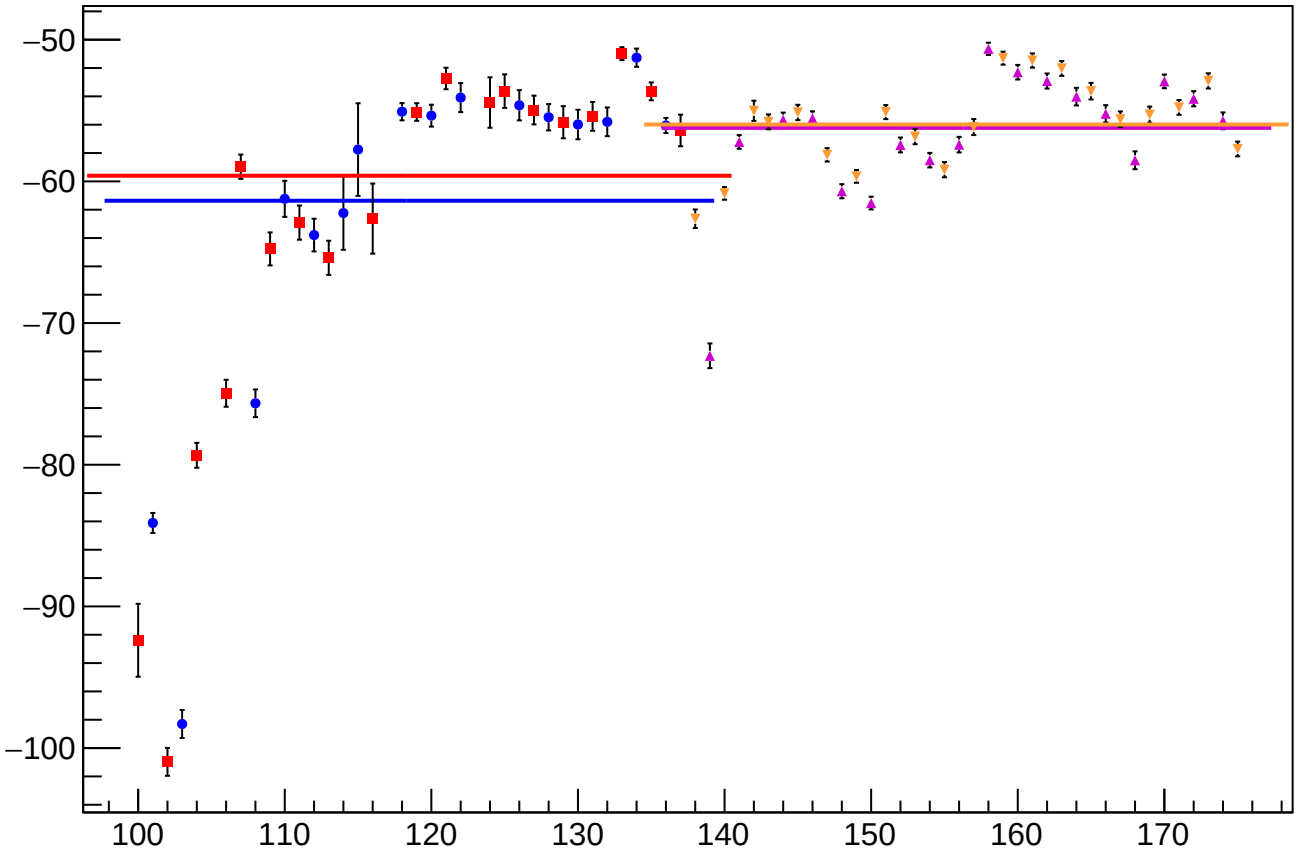
Left: -0.665+/-0.115 χ^2/NDF: 1677.4/37

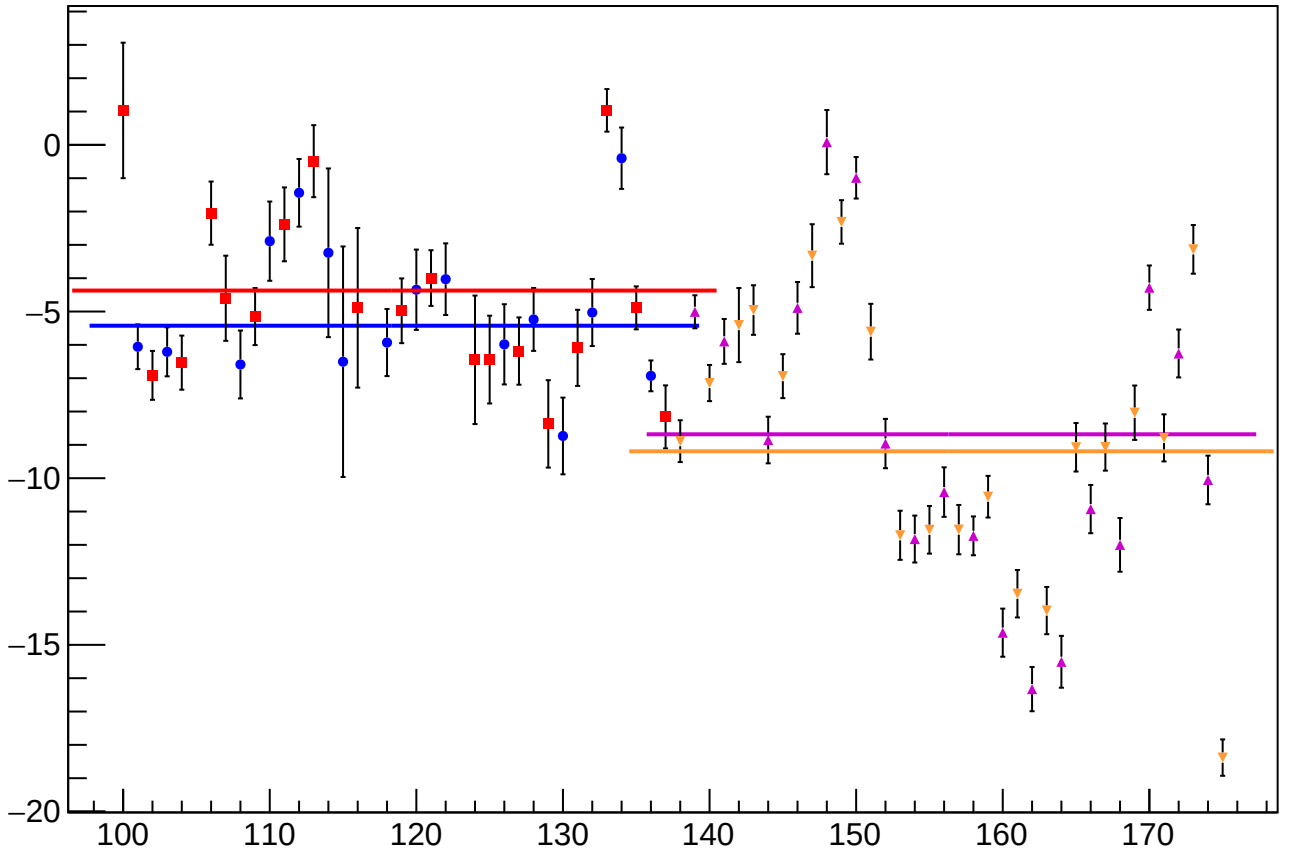
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.898+/-0.132 χ^2/NDF:789.2/33

Out: -0.616+/-0.126 χ^2/NDF:1106.4/38

All: -0.751+/-0.091 χ^2/NDF: 1897.9/72


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -55.986+/-0.118 χ²/NDF:662.3/19
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: -56.224+/-0.125 χ²/NDF:949.9/17
Left: -56.098+/-0.086 χ²/NDF: 1614.1/37
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -57.484+/-0.108 χ²/NDF:4717.5/33
Out: -56.872+/-0.102 χ²/NDF:4314.7/38
All: -57.160+/-0.074 χ²/NDF: 9049.0/72



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.193+/-0.157 χ^2/NDF:712.2/19

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.683+/-0.163 χ^2/NDF:747.5/17

Left: -8.947+/-0.113 χ^2/NDF: 1464.8/37

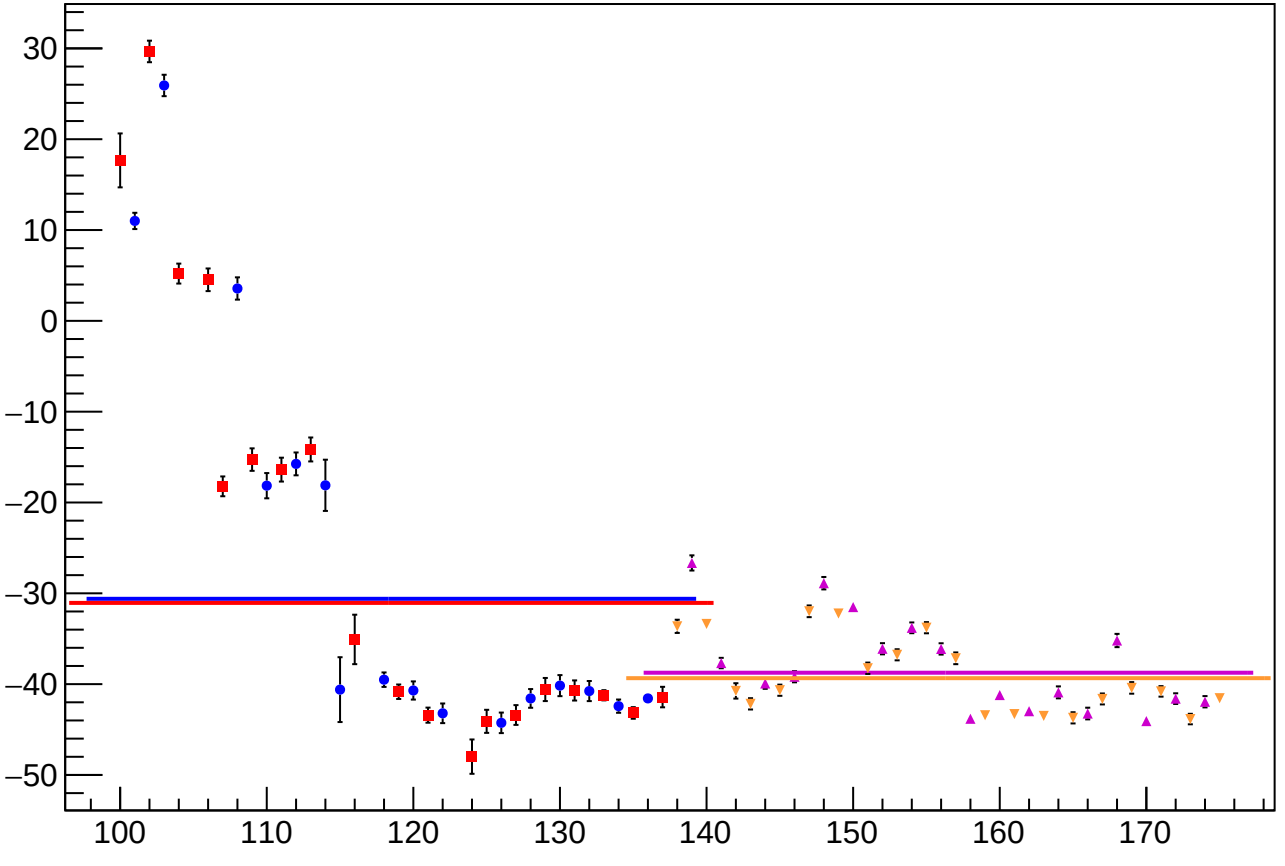
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.593+/-0.133 χ^2/NDF:957.0/33

Out: -7.589+/-0.128 χ^2/NDF:1182.3/38

All: -7.591+/-0.092 χ^2/NDF: 2139.3/72

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.343+/-0.133 χ^2/NDF:967.4/19

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.743+/-0.140 χ^2/NDF:1162.3/17

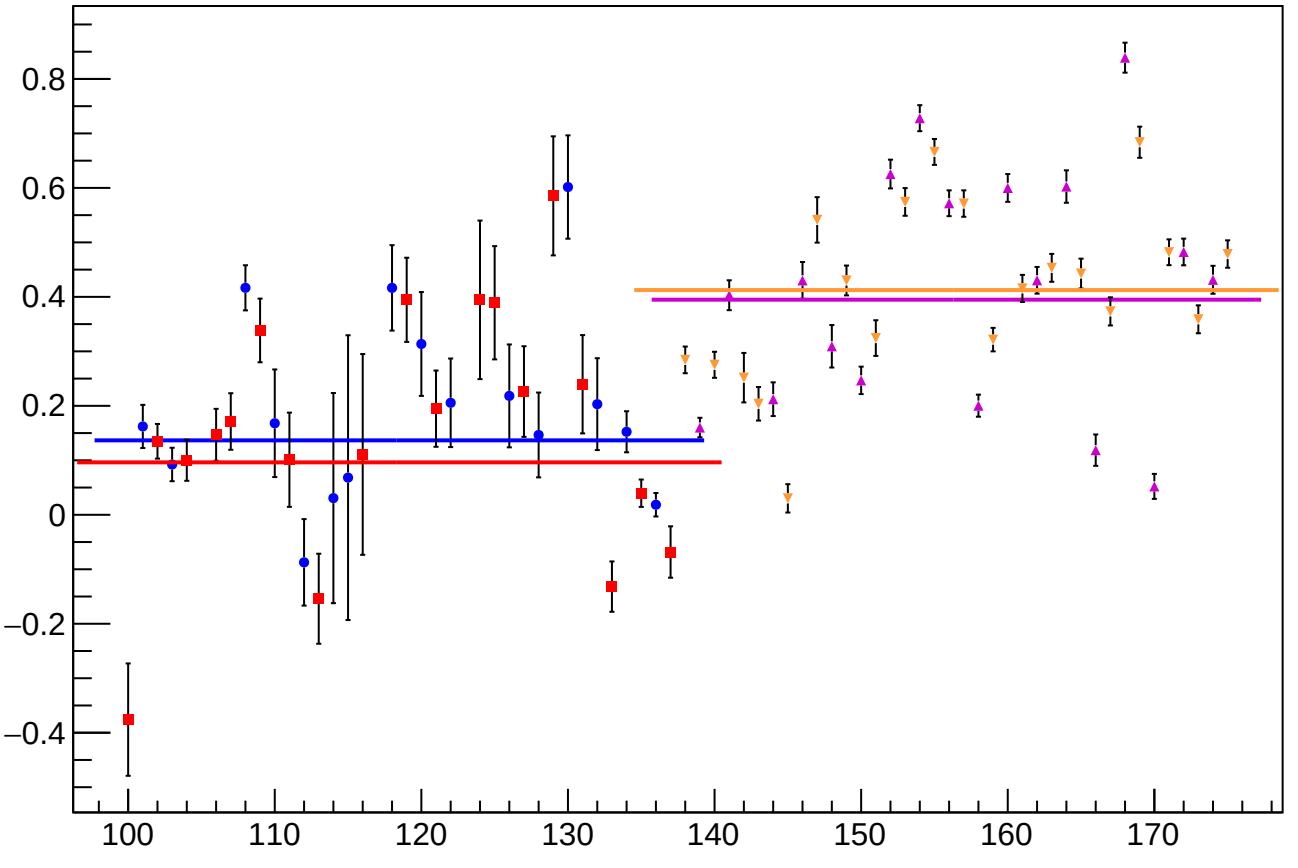
Left: -39.058+/-0.097 χ^2/NDF: 2139.3/37

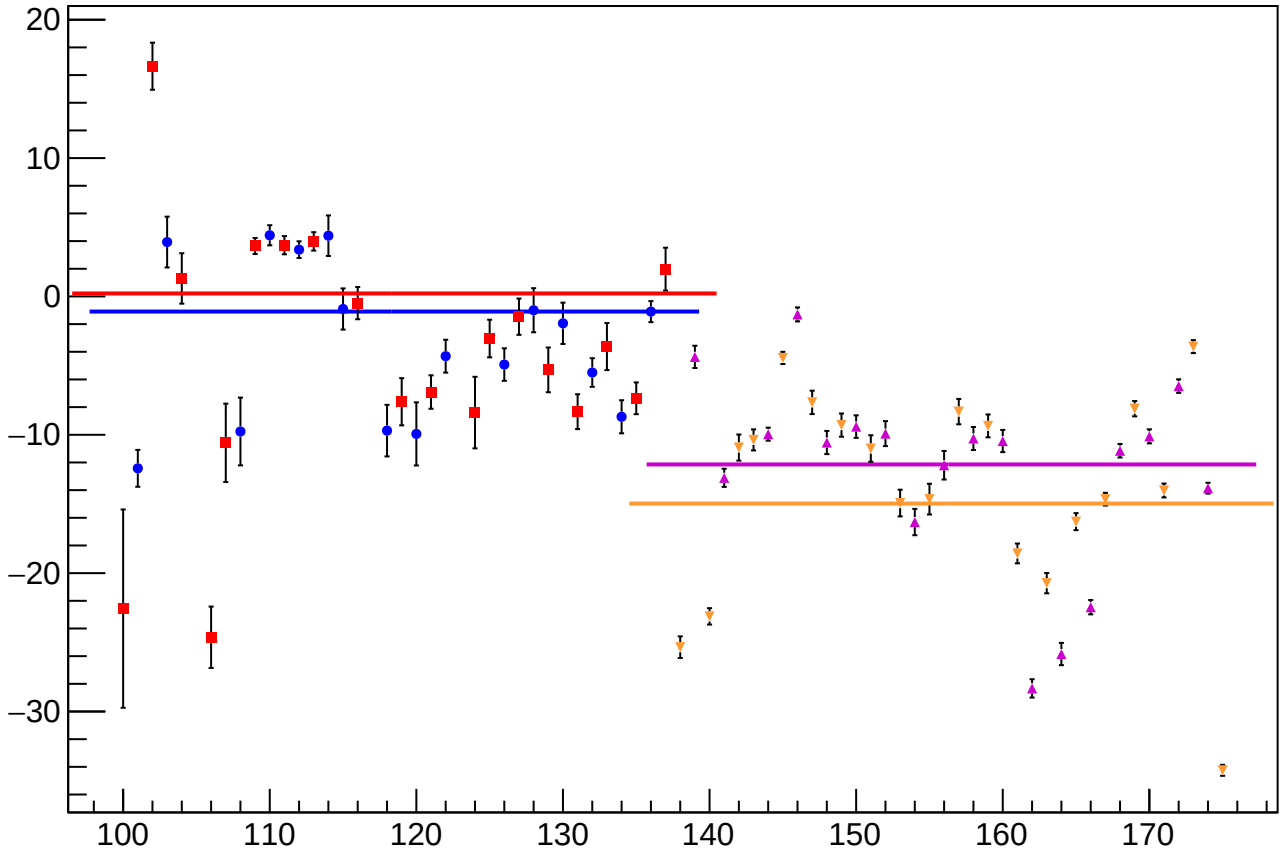
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.792+/-0.122 χ^2/NDF:8909.7/33

Out: -37.365+/-0.116 χ^2/NDF:8868.6/38

All: -37.093+/-0.084 χ^2/NDF: 17789.9/72


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.412+/-0.006 χ²/NDF:682.8/19
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.395+/-0.006 χ²/NDF:1372.0/17
Left: 0.404+/-0.004 χ²/NDF: 2059.1/37
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.347+/-0.005 χ²/NDF:1848.4/33
Out: 0.353+/-0.005 χ²/NDF:1364.2/38
All: 0.350+/-0.004 χ²/NDF: 3213.3/72



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.968+/-0.141 χ^2/NDF:4429.4/19

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -12.143+/-0.145 χ^2/NDF:2078.5/17

Left: -13.592+/-0.101 χ^2/NDF: 6703.1/37

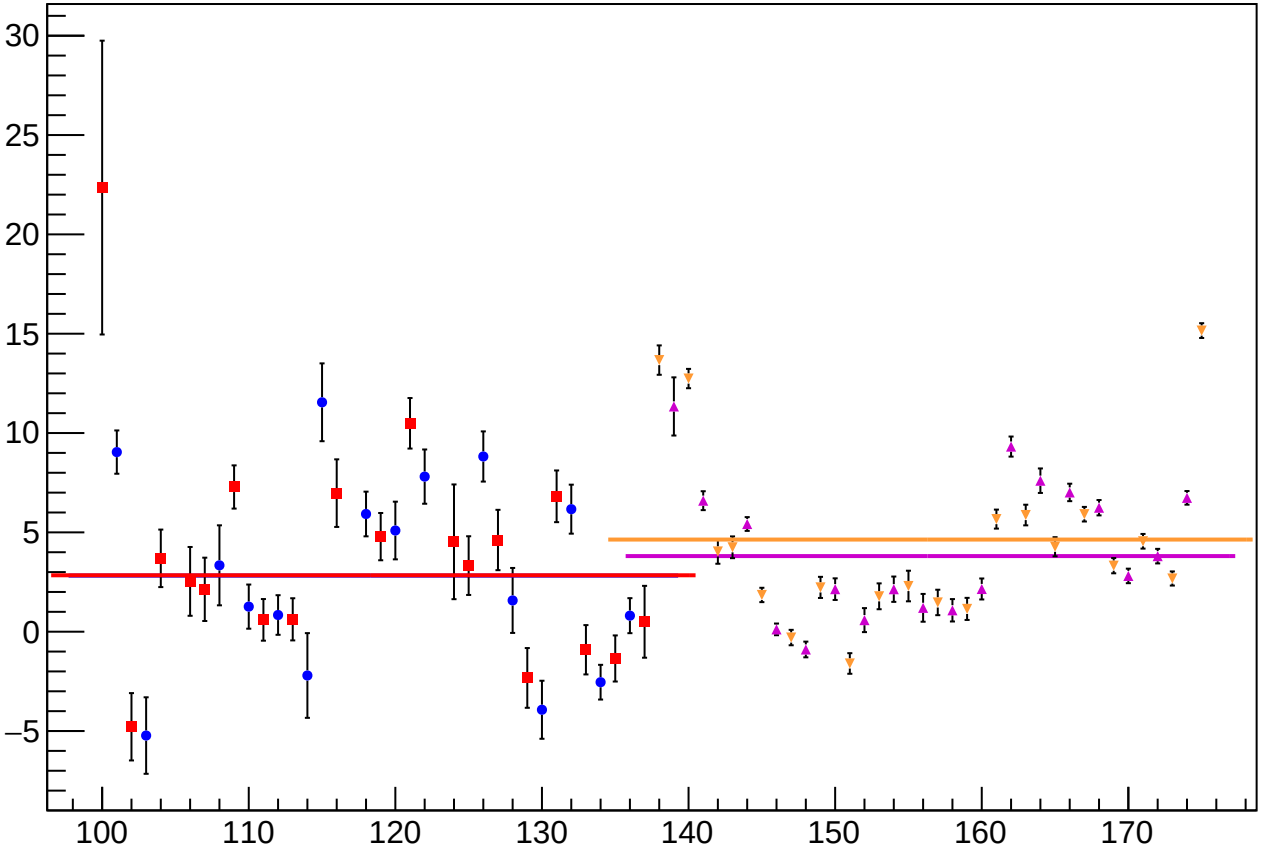
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.818+/-0.129 χ^2/NDF:3635.3/33

Out: -11.638+/-0.125 χ^2/NDF:7490.6/38

All: -10.757+/-0.090 χ^2/NDF: 11229.0/72

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.638+/-0.104 χ^2/NDF:1769.3/19

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.806+/-0.105 χ^2/NDF:803.0/17

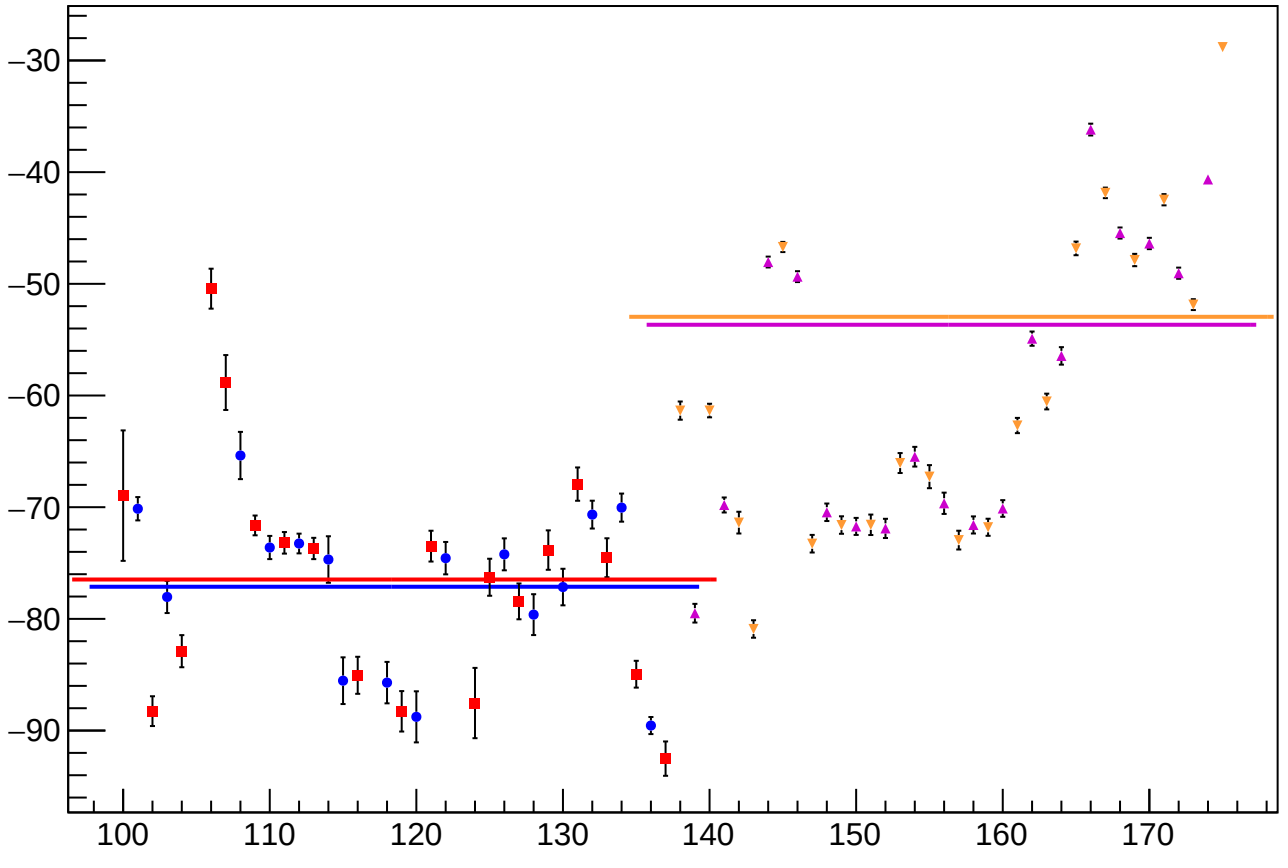
Left: 4.227+/-0.074 χ^2/NDF: 2603.9/37

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.707+/-0.100 χ^2/NDF:1011.4/33

Out: 4.468+/-0.099 χ^2/NDF:1942.4/38

All: 4.090+/-0.070 χ^2/NDF: 2983.2/72



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.952+/-0.141 χ^2/NDF:10535.4/19

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -53.665+/-0.145 χ^2/NDF:7309.9/17

Left: -53.299+/-0.101 χ^2/NDF: 17857.8/37

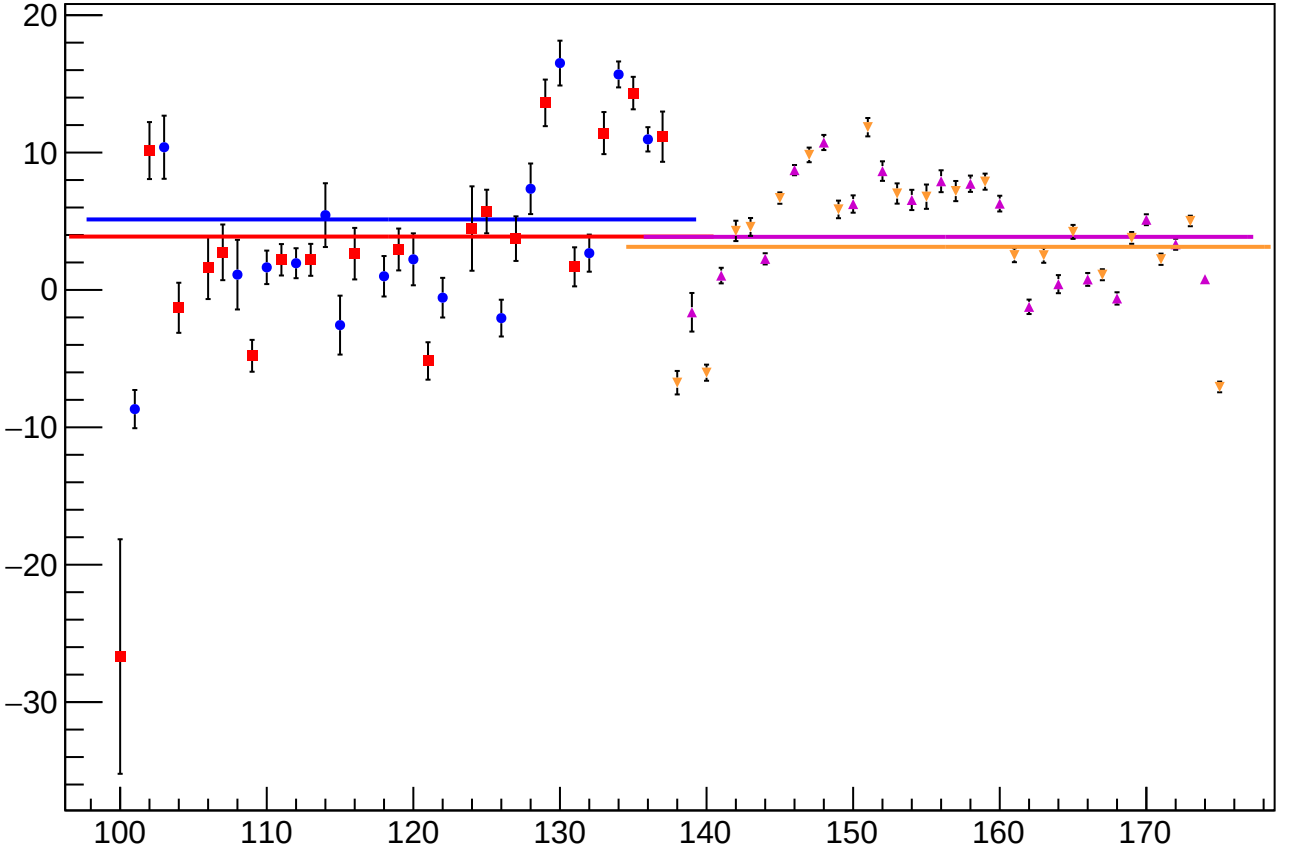
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -57.518+/-0.132 χ^2/NDF:12133.2/33

Out: -56.598+/-0.129 χ^2/NDF:15564.5/38

All: -57.047+/-0.092 χ^2/NDF: 27722.5/72

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.137+/-0.117 χ^2/NDF:1694.6/19

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 3.864+/-0.120 χ^2/NDF:889.1/17

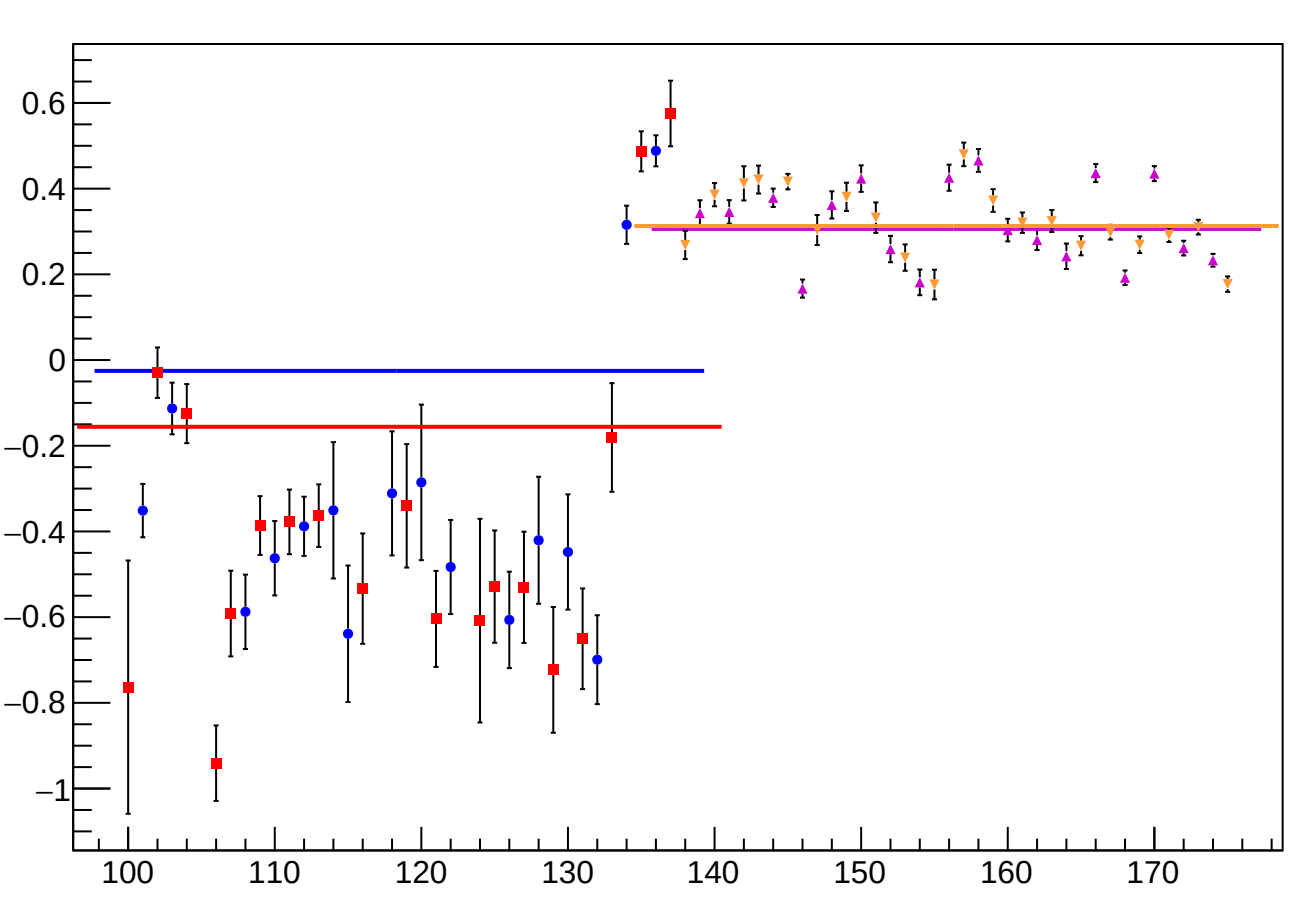
Left: 3.494+/-0.084 χ^2/NDF: 2602.4/37

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.998+/-0.113 χ^2/NDF:1313.2/33

Out: 3.209+/-0.112 χ^2/NDF:1989.9/38

All: 3.597+/-0.080 χ^2/NDF: 3327.7/72



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.313+/-0.005 χ^2/NDF:195.7/19

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.306+/-0.005 χ^2/NDF:320.5/17

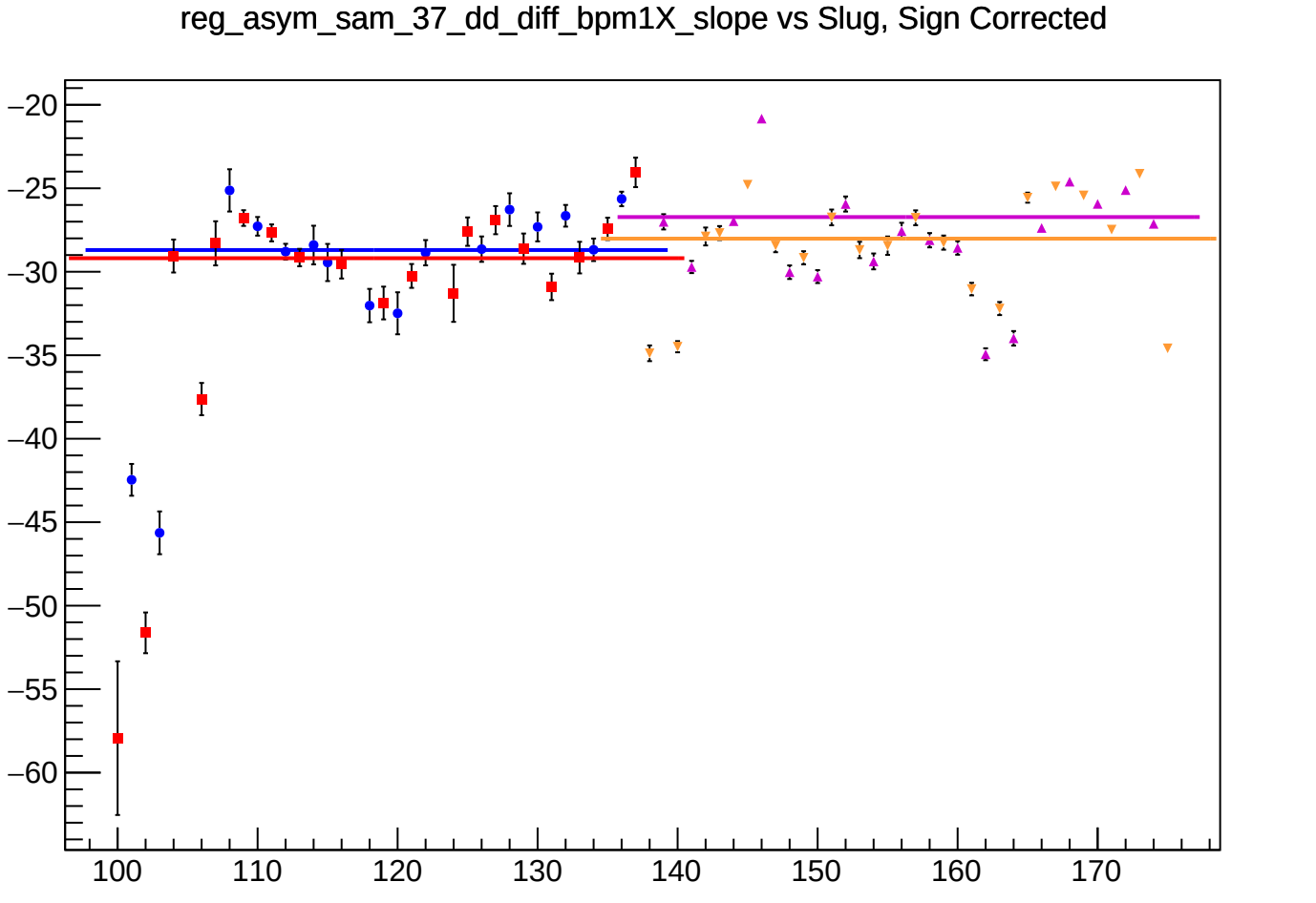
Left: 0.309+/-0.004 χ^2/NDF: 517.0/37

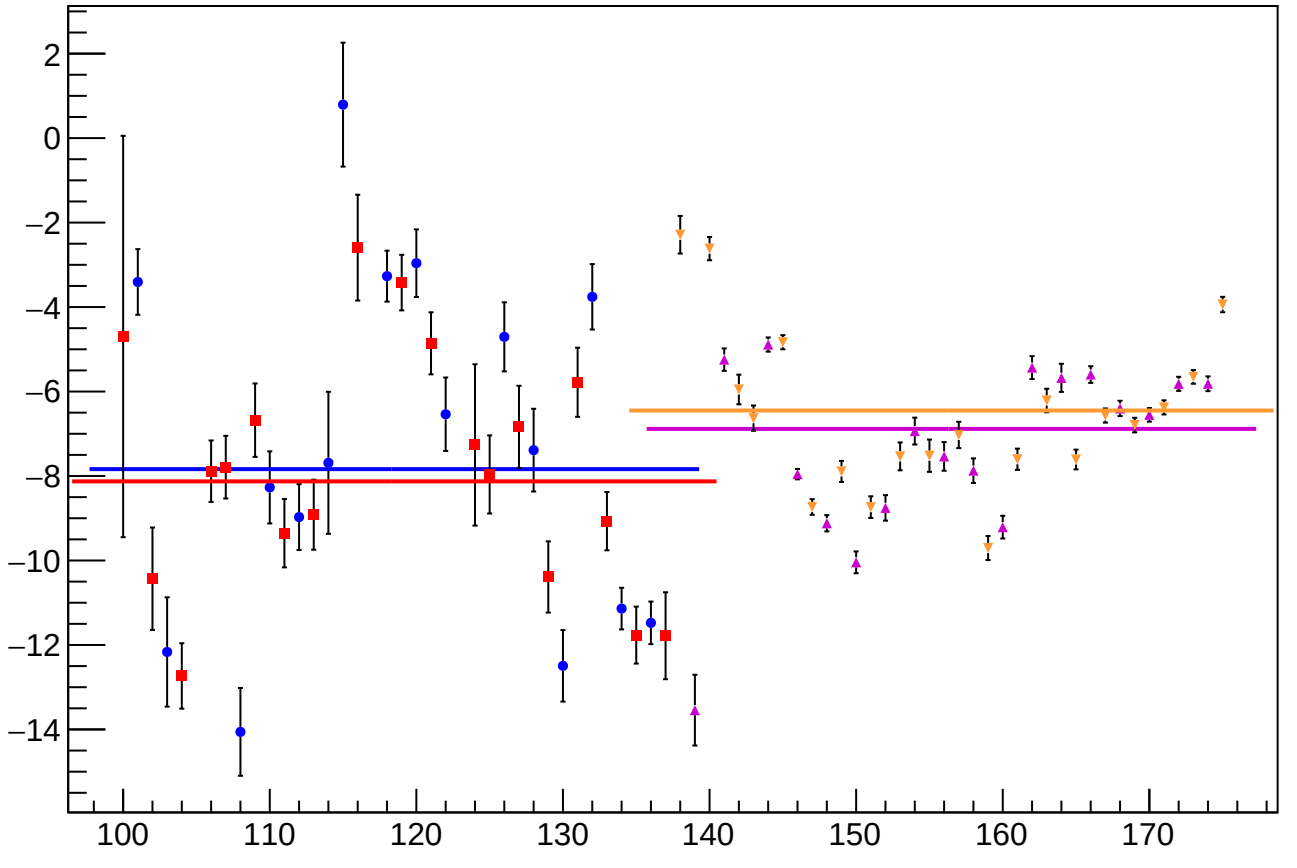
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.281+/-0.005 χ^2/NDF:1116.0/33

Out: 0.282+/-0.005 χ^2/NDF:1193.2/38

All: 0.282+/-0.004 χ^2/NDF: 2309.3/72


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
−60
100
110
120
130
140
150
160
170
Right In: -28.698+/-0.186 χ²/NDF: 487.3/15
Left Out: -28.017+/-0.068 χ²/NDF:2931.0/19
Right Out: -29.189+/-0.181 χ²/NDF: 557.3/18
Left In: -26.724+/-0.069 χ²/NDF:2075.3/17
Left: -27.379+/-0.049 χ²/NDF: 5182.3/37
Right: -28.950+/-0.130 χ²/NDF: 1048.2/34
In: -26.965+/-0.065 χ²/NDF:2661.7/33
Out: -28.163+/-0.064 χ²/NDF:3524.9/38
All: -27.573+/-0.046 χ²/NDF: 6359.0/72



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.449+/-0.050 χ^2/NDF:1059.8/19

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.884+/-0.050 χ^2/NDF:903.8/17

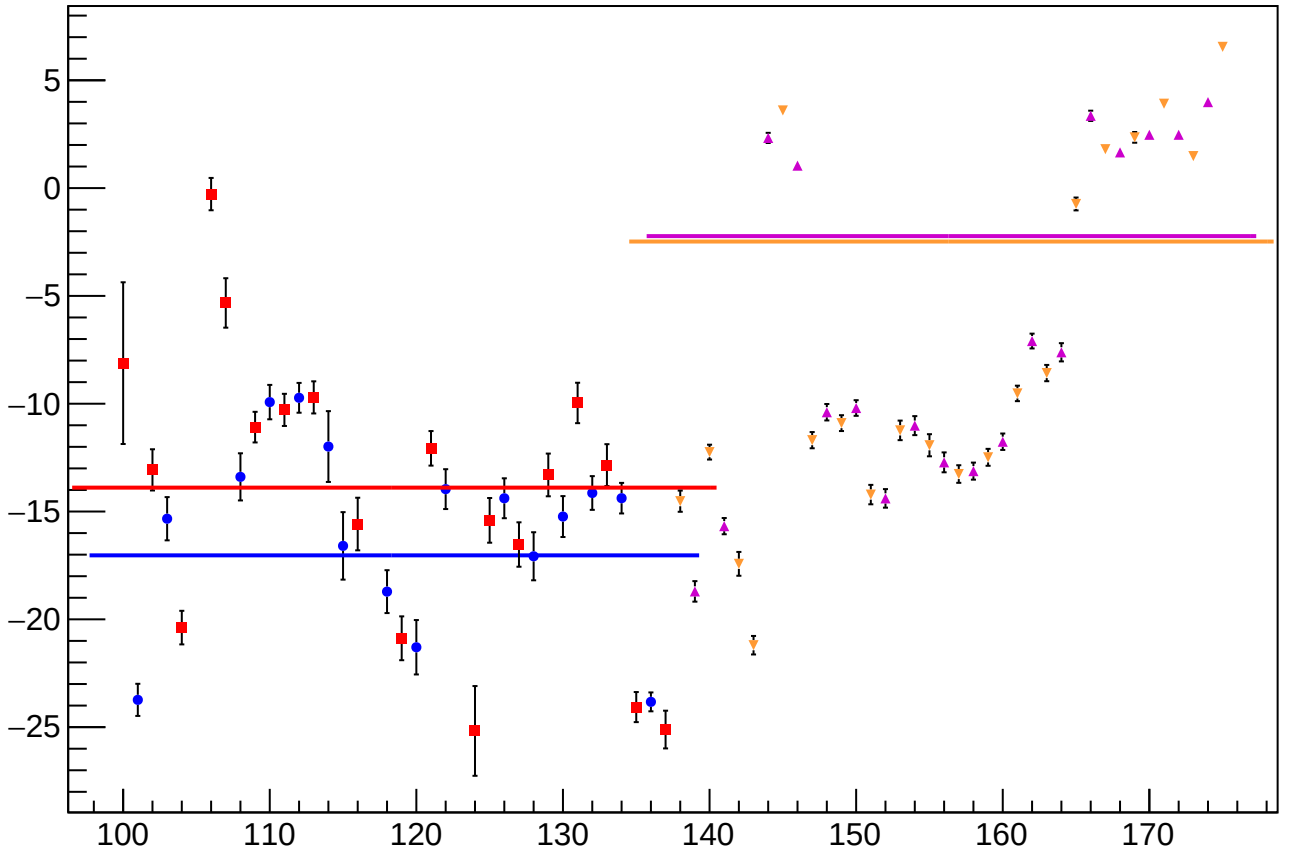
Left: -6.669+/-0.036 χ^2/NDF: 2001.1/37

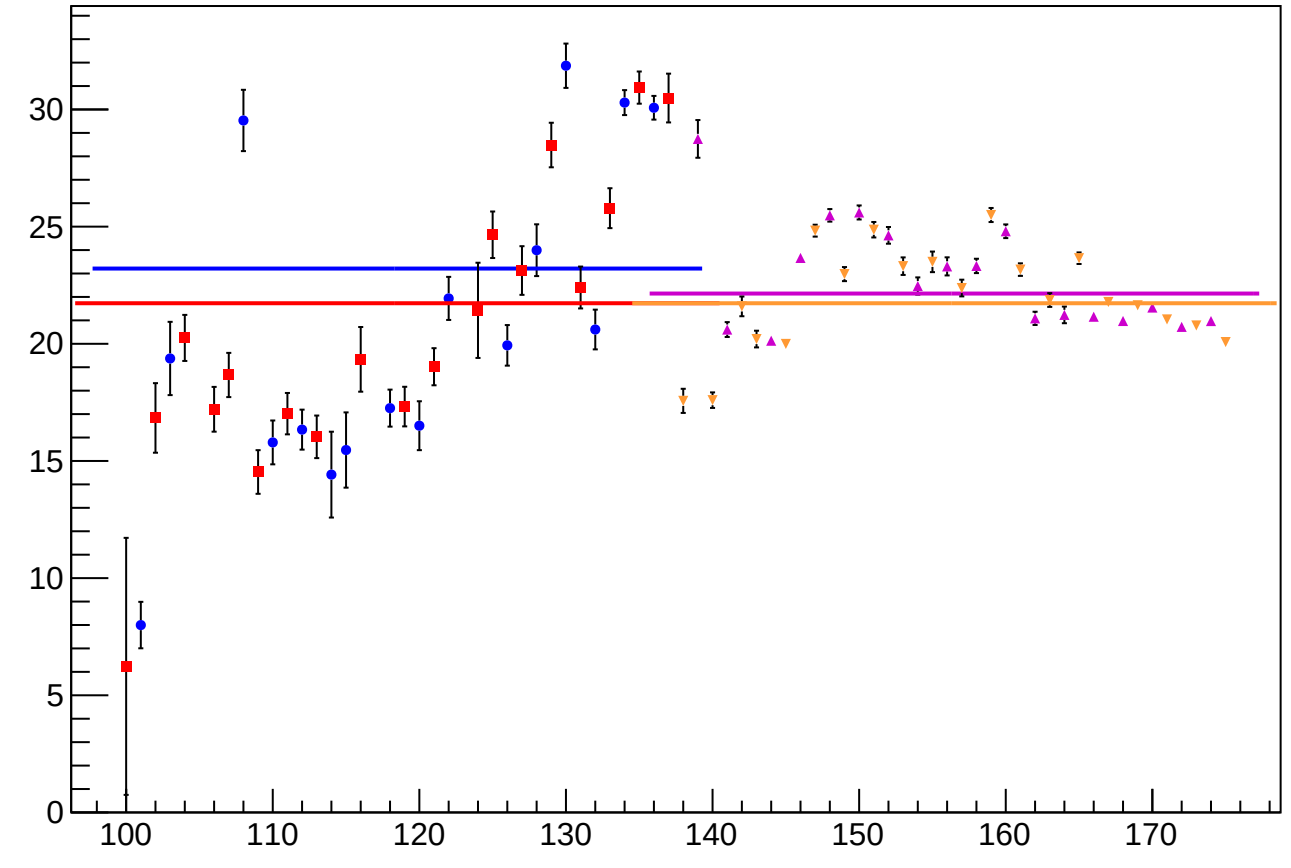
Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.943+/-0.048 χ^2/NDF:1309.4/33

Out: -6.553+/-0.049 χ^2/NDF:1325.4/38

All: -6.750+/-0.034 χ^2/NDF: 2666.9/72


reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
Right In: -17.033+/-0.209 χ²/NDF: 601.2/15
Left Out: -2.478+/-0.068 χ²/NDF:13483.3/19
Right Out: -13.892+/-0.209 χ²/NDF: 1017.4/18
Left In: -2.227+/-0.069 χ²/NDF:10046.0/17
Left: -2.354+/-0.049 χ²/NDF: 23535.9/37
Right: -15.462+/-0.148 χ²/NDF: 1731.1/34
In: -3.687+/-0.066 χ²/NDF:15154.8/33
Out: -3.575+/-0.065 χ²/NDF:17188.2/38
All: -3.630+/-0.046 χ²/NDF: 32344.5/72



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.731+/-0.057 χ^2/NDF:981.1/19

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.145+/-0.057 χ^2/NDF:922.7/17

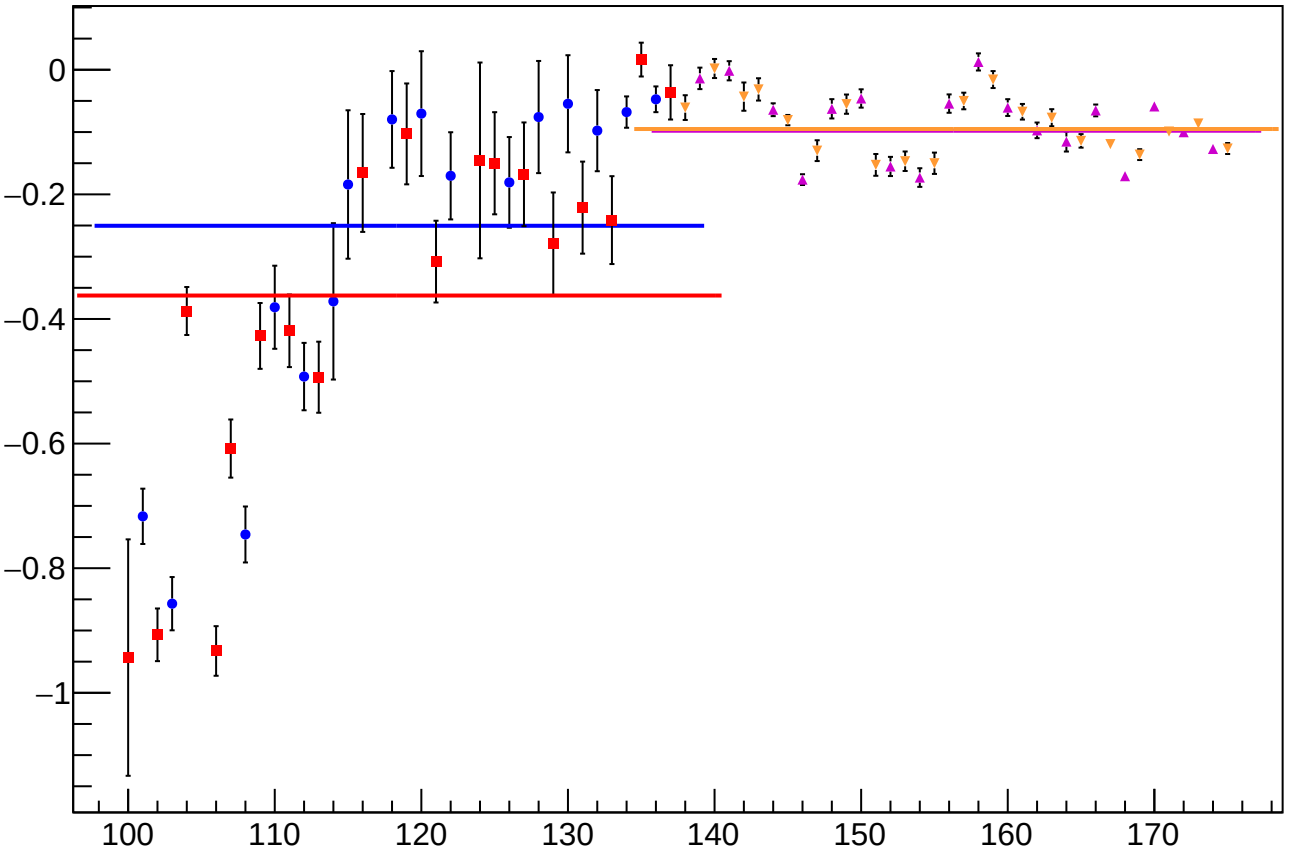
Left: 21.937+/-0.040 χ^2/NDF: 1930.1/37

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.213+/-0.055 χ^2/NDF:1953.3/33

Out: 21.731+/-0.055 χ^2/NDF:1539.3/38

All: 21.972+/-0.039 χ^2/NDF: 3530.7/72



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.095+/-0.003 χ^2/NDF:208.2/19

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.098+/-0.003 χ^2/NDF:430.3/17

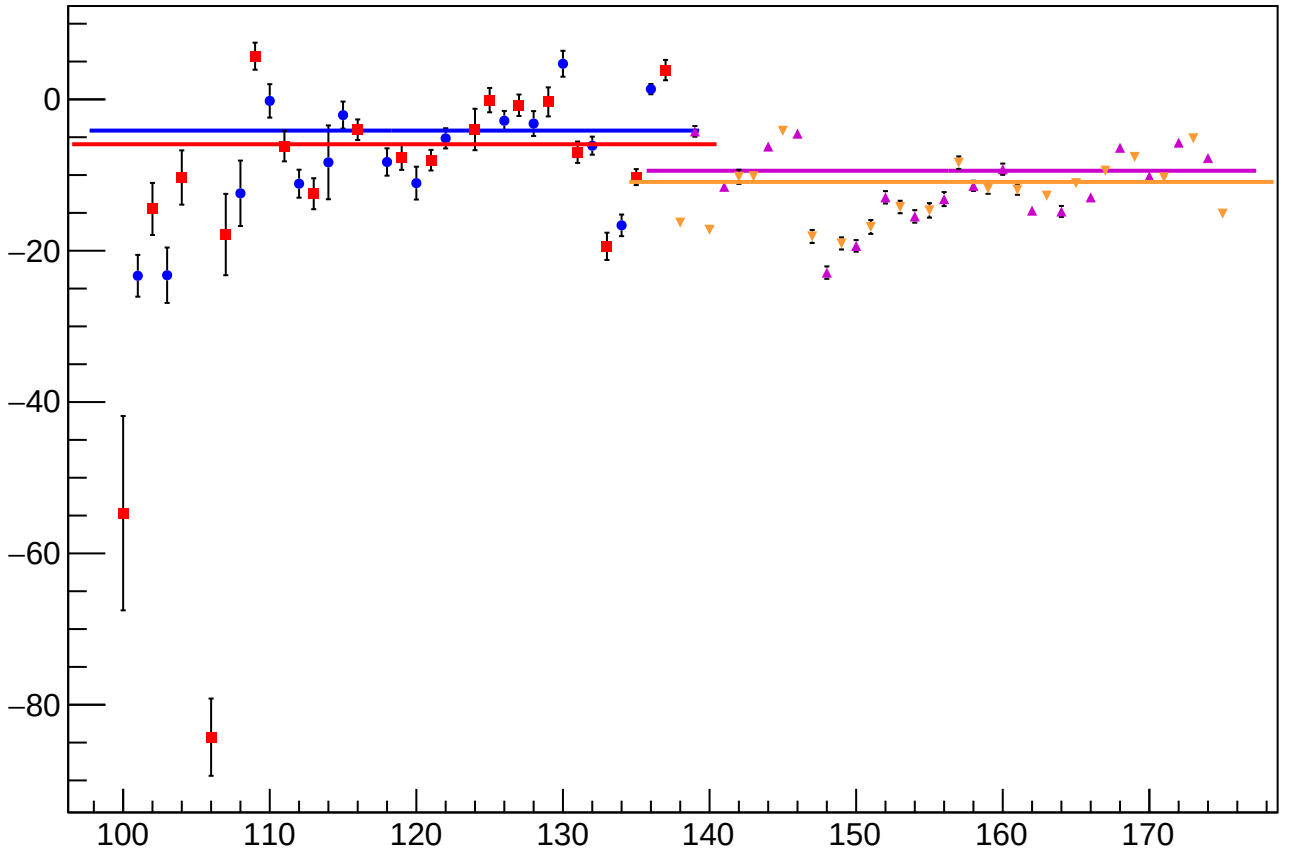
Left: -0.096+/-0.002 χ^2/NDF: 639.0/37

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.105+/-0.003 χ^2/NDF:1227.0/33

Out: -0.106+/-0.003 χ^2/NDF:1361.6/38

All: -0.106+/-0.002 χ^2/NDF: 2588.7/72



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.910+/-0.121 χ^2/NDF:1258.5/19

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.432+/-0.125 χ^2/NDF:1159.8/17

Left: -10.196+/-0.087 χ^2/NDF: 2490.7/37

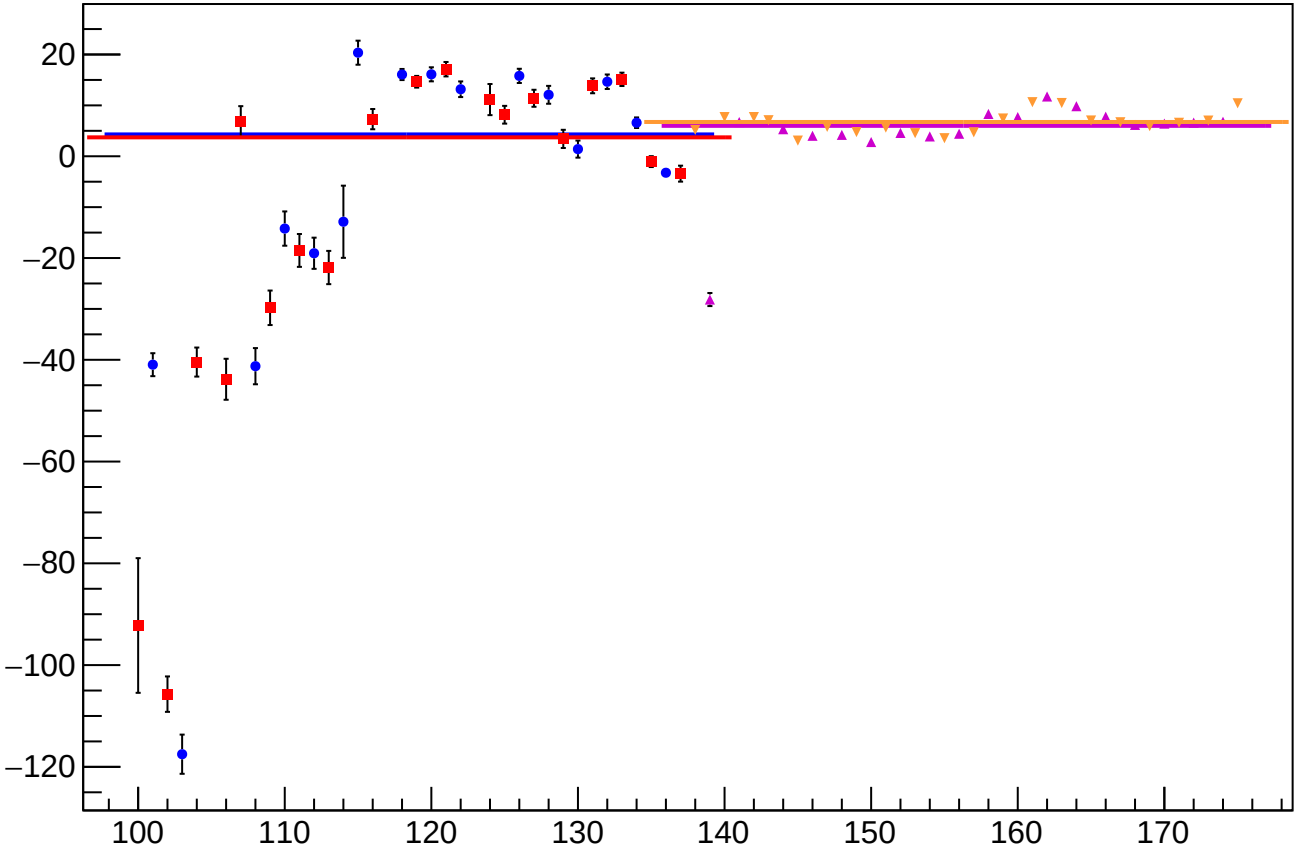
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.920+/-0.119 χ^2/NDF:1622.4/33

Out: -10.509+/-0.116 χ^2/NDF:1878.2/38

All: -9.734+/-0.083 χ^2/NDF: 3592.6/72

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.739+/-0.090 χ^2/NDF:543.6/19

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.981+/-0.092 χ^2/NDF:1143.2/17

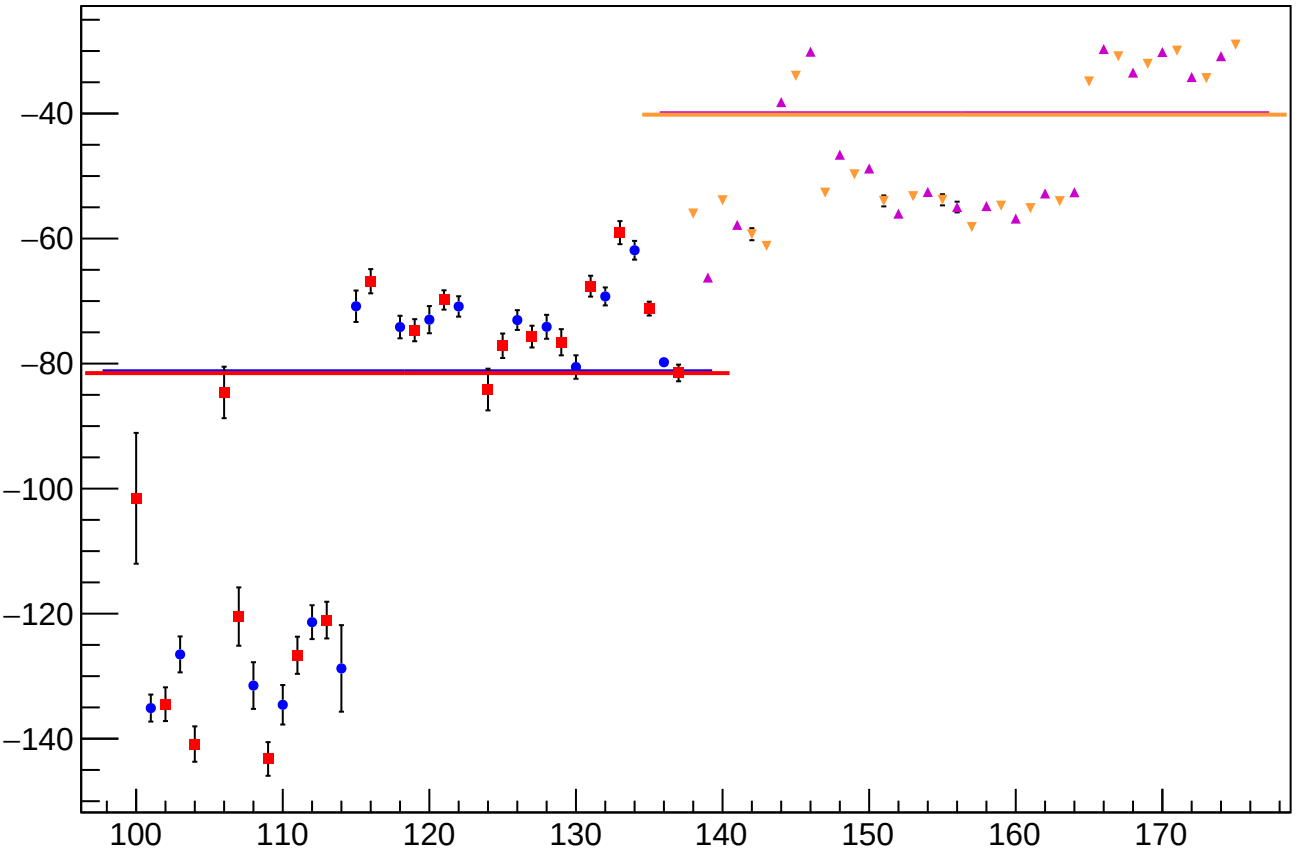
Left: 6.365+/-0.064 χ^2/NDF: 1721.5/37

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.890+/-0.089 χ^2/NDF:3330.5/33

Out: 6.607+/-0.088 χ^2/NDF:2599.8/38

All: 6.252+/-0.063 χ^2/NDF: 5962.9/72



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -40.179+/-0.121 χ^2/NDF:8964.6/19

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -39.955+/-0.125 χ^2/NDF:8074.4/17

Left: -40.071+/-0.087 χ^2/NDF: 17040.7/37

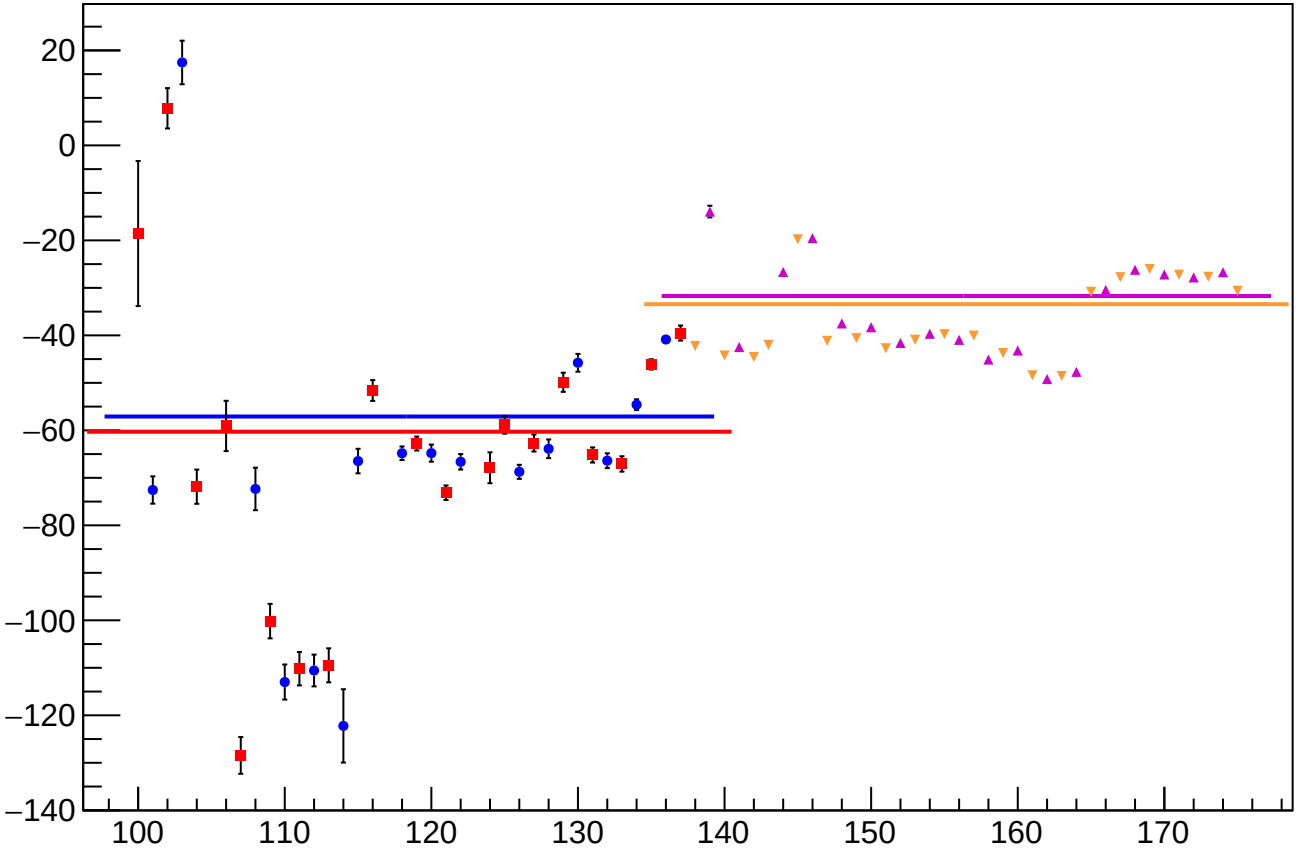
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -43.350+/-0.120 χ^2/NDF:19044.5/33

Out: -42.818+/-0.117 χ^2/NDF:18767.9/38

All: -43.077+/-0.083 χ^2/NDF: 37822.5/72

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.431+/-0.101 χ^2/NDF:7264.3/19

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.713+/-0.104 χ^2/NDF:7246.7/17

Left: -32.593+/-0.072 χ^2/NDF: 14651.5/37

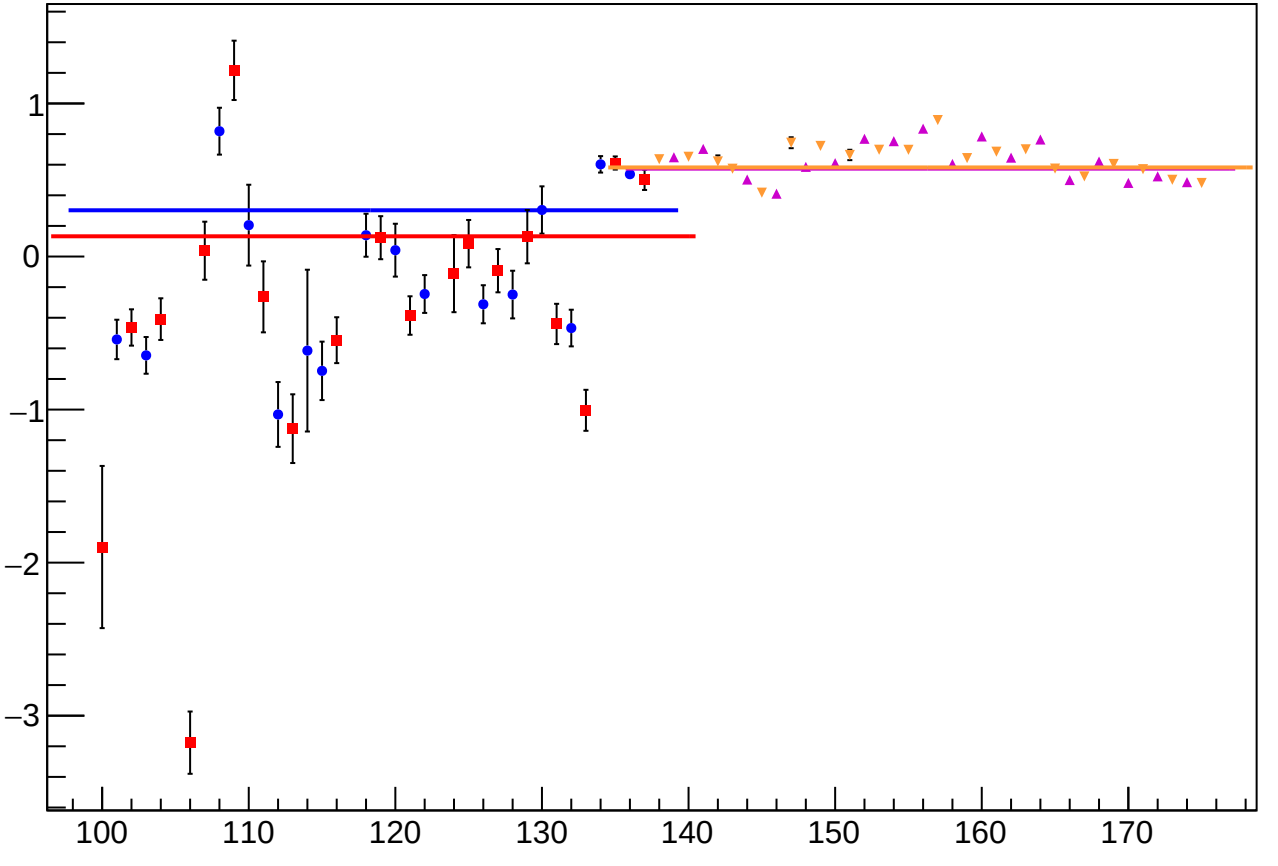
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.136+/-0.101 χ^2/NDF:12127.1/33

Out: -34.622+/-0.099 χ^2/NDF:11972.1/38

All: -33.893+/-0.071 χ^2/NDF: 24209.8/72

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.582+/-0.005 χ^2/NDF:521.7/19

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.574+/-0.005 χ^2/NDF:594.9/17

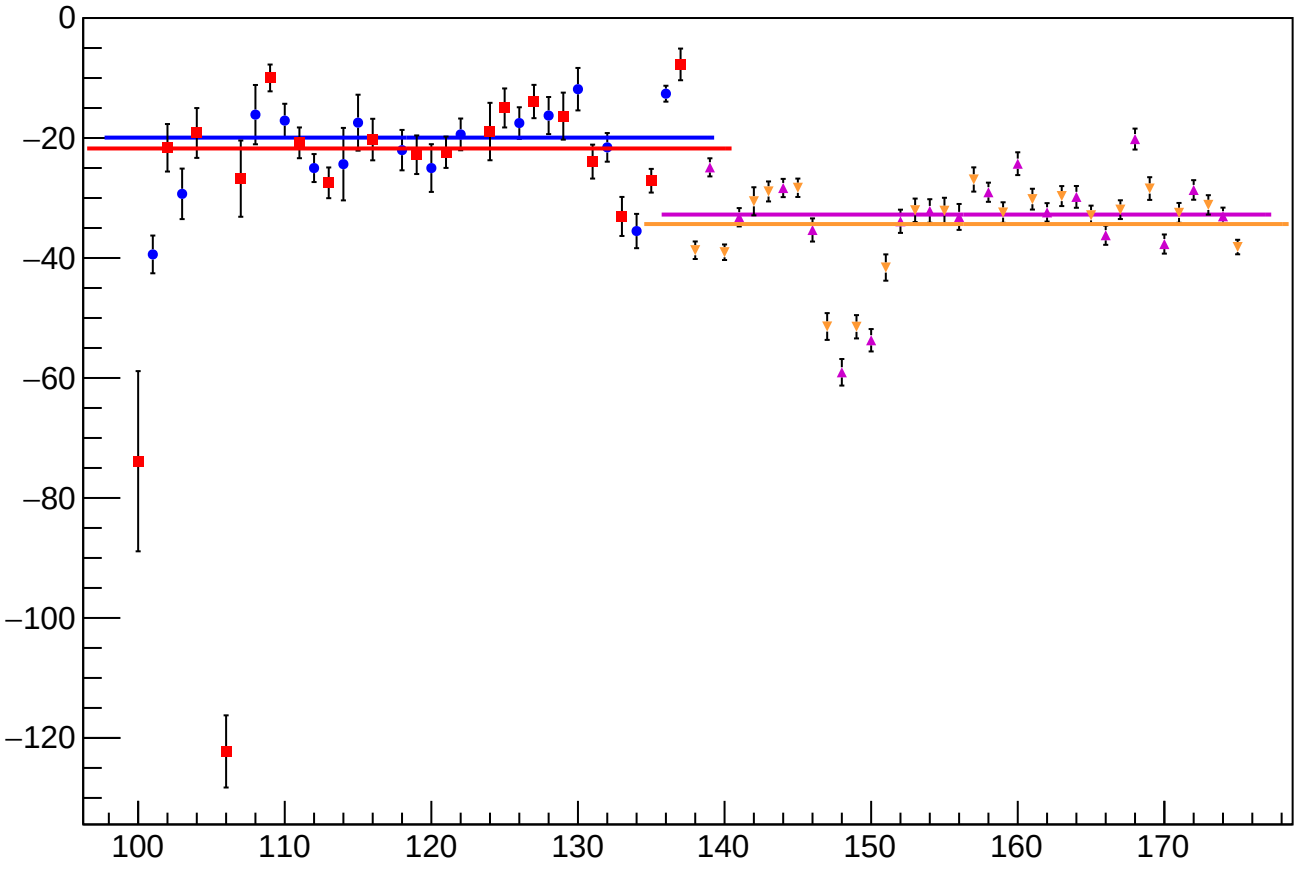
Left: 0.578+/-0.003 χ^2/NDF: 1118.0/37

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.564+/-0.005 χ^2/NDF:1104.8/33

Out: 0.569+/-0.004 χ^2/NDF:1474.0/38

All: 0.566+/-0.003 χ^2/NDF: 2579.6/72



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.344+/-0.379 χ^2/NDF:256.9/19

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -32.762+/-0.403 χ^2/NDF:405.4/17

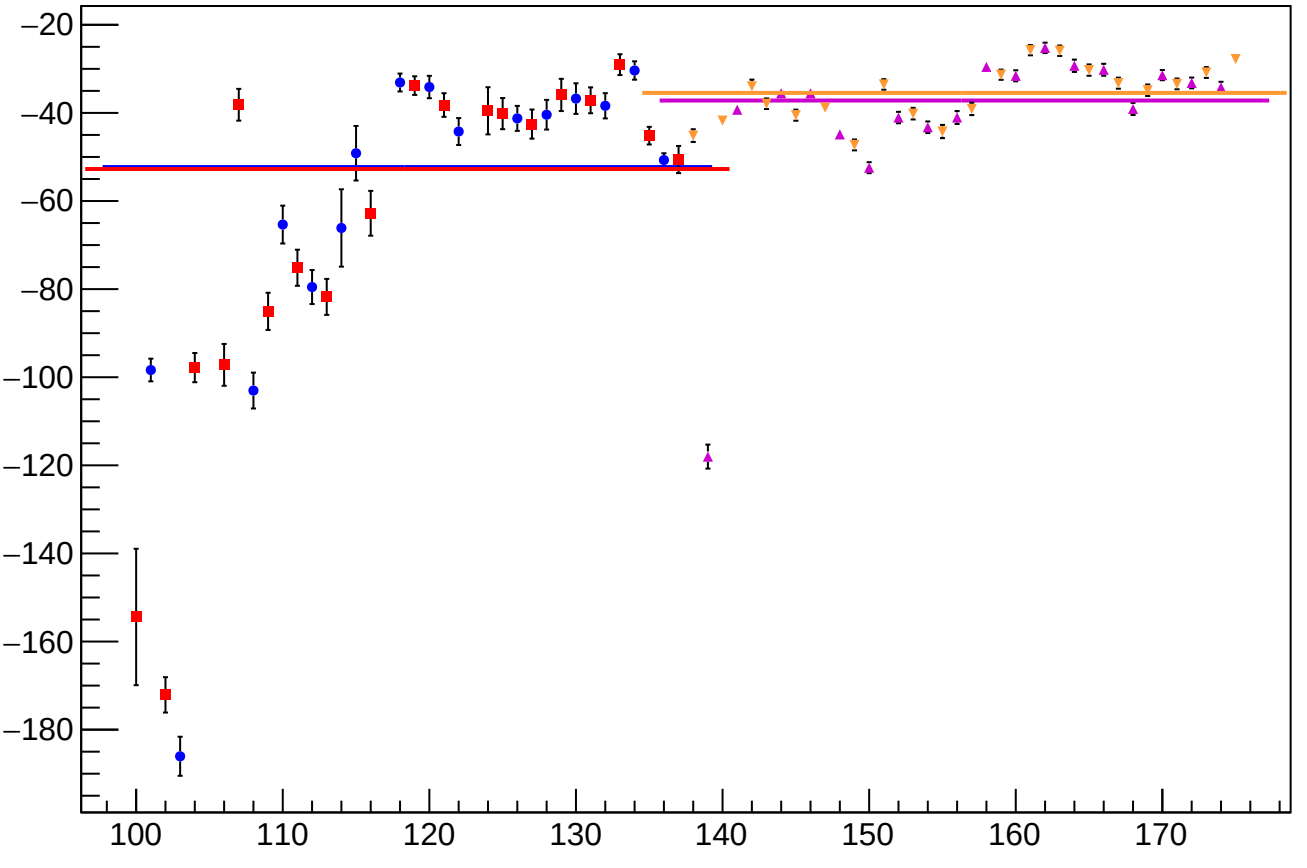
Left: -33.601+/-0.276 χ^2/NDF: 670.5/37

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.535+/-0.348 χ^2/NDF:781.0/33

Out: -31.574+/-0.335 χ^2/NDF:888.4/38

All: -30.596+/-0.241 χ^2/NDF: 1687.2/72



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.455+/-0.277 χ^2/NDF:486.9/19

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -37.187+/-0.295 χ^2/NDF:1398.1/17

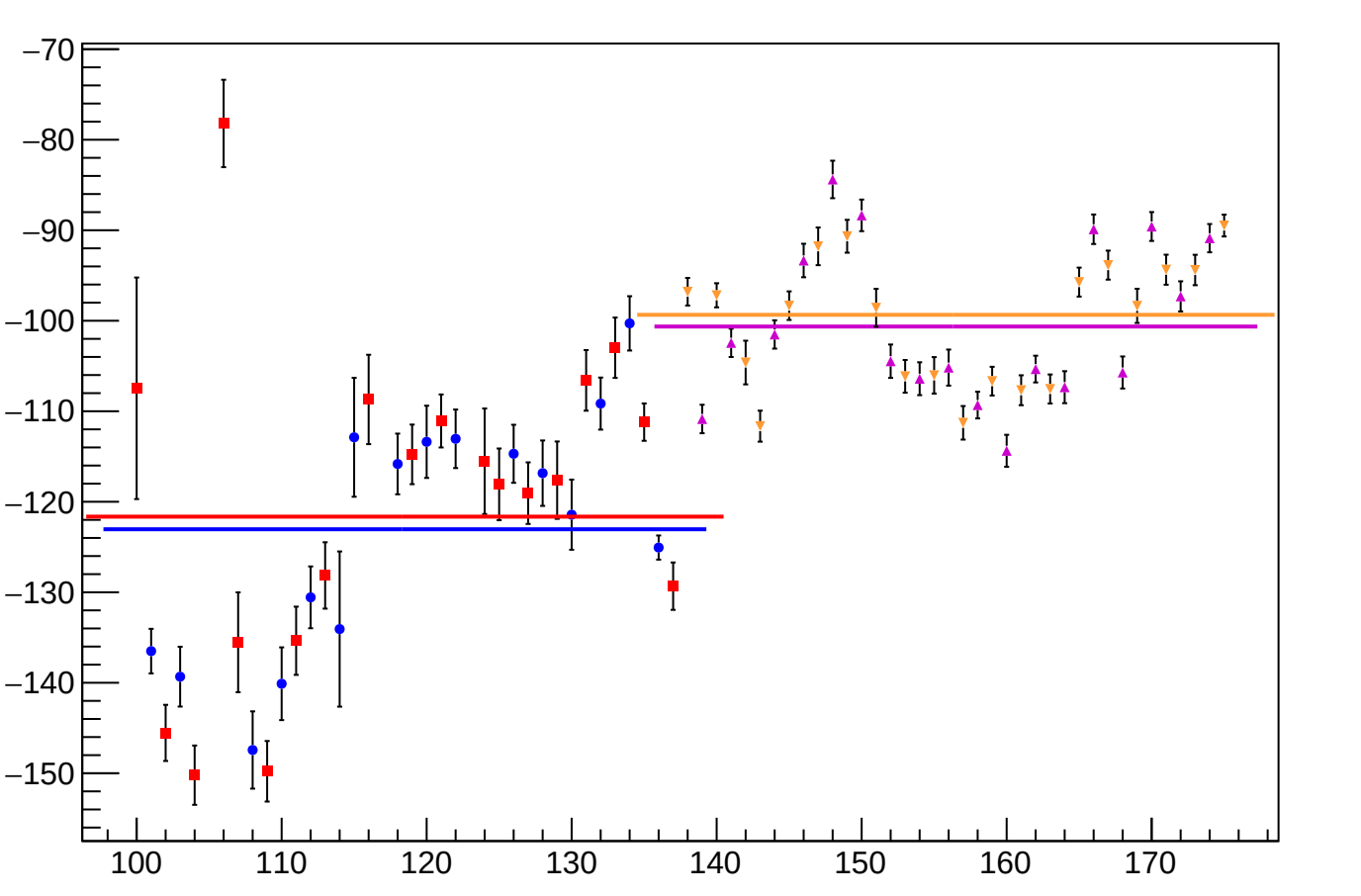
Left: -36.268+/-0.202 χ^2/NDF: 1903.3/37

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -39.421+/-0.272 χ^2/NDF:3564.3/33

Out: -37.541+/-0.260 χ^2/NDF:2618.5/38

All: -38.438+/-0.188 χ^2/NDF: 6207.7/72



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.345+/-0.374 χ^2/NDF:339.6/19

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -100.641+/-0.397 χ^2/NDF:452.5/17

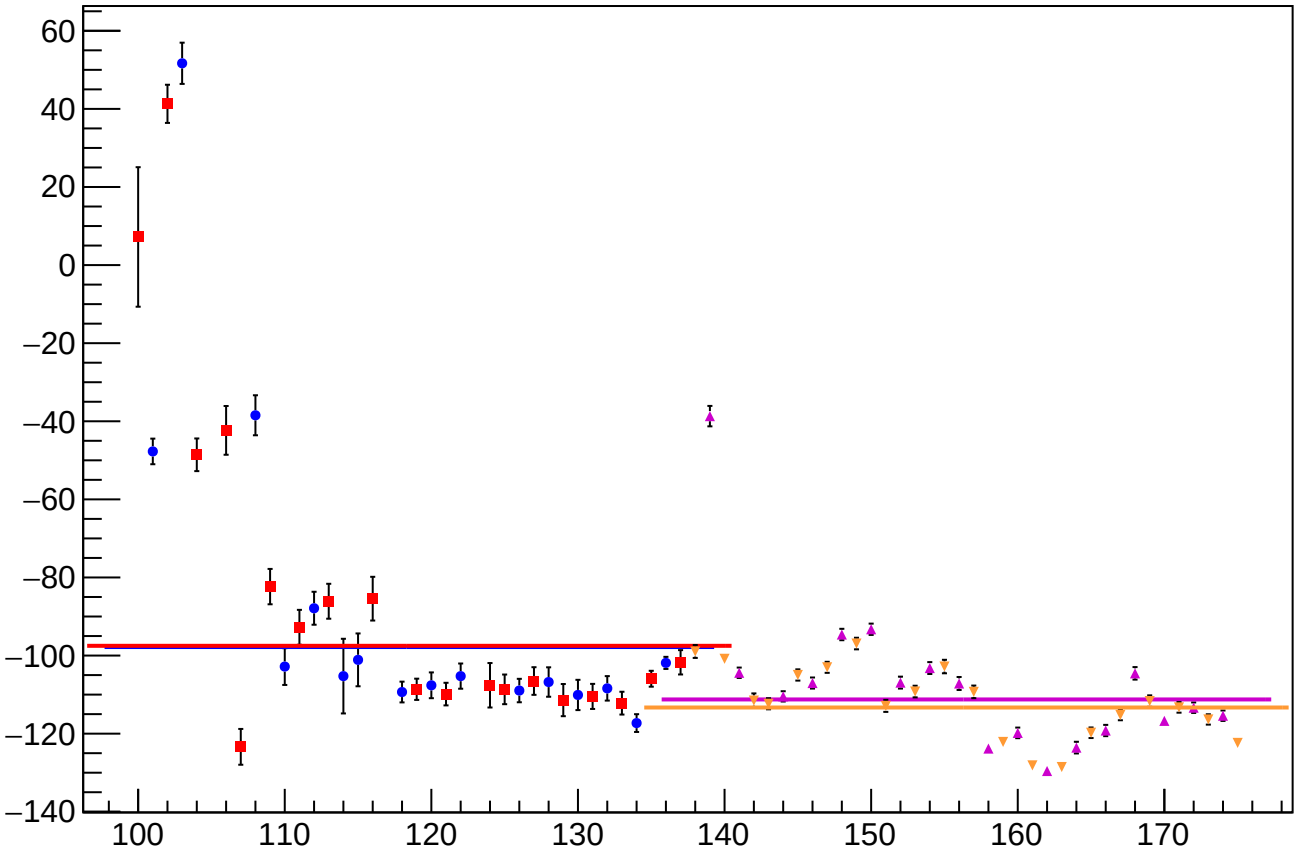
Left: -99.955+/-0.272 χ^2/NDF: 797.7/37

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -105.545+/-0.351 χ^2/NDF:1375.9/33

Out: -103.344+/-0.339 χ^2/NDF:1399.9/38

All: -104.407+/-0.244 χ^2/NDF: 2796.2/72



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.303+/-0.315 χ^2/NDF:862.4/19

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -111.239+/-0.333 χ^2/NDF:1662.0/17

Left: -112.331+/-0.229 χ^2/NDF: 2544.7/37

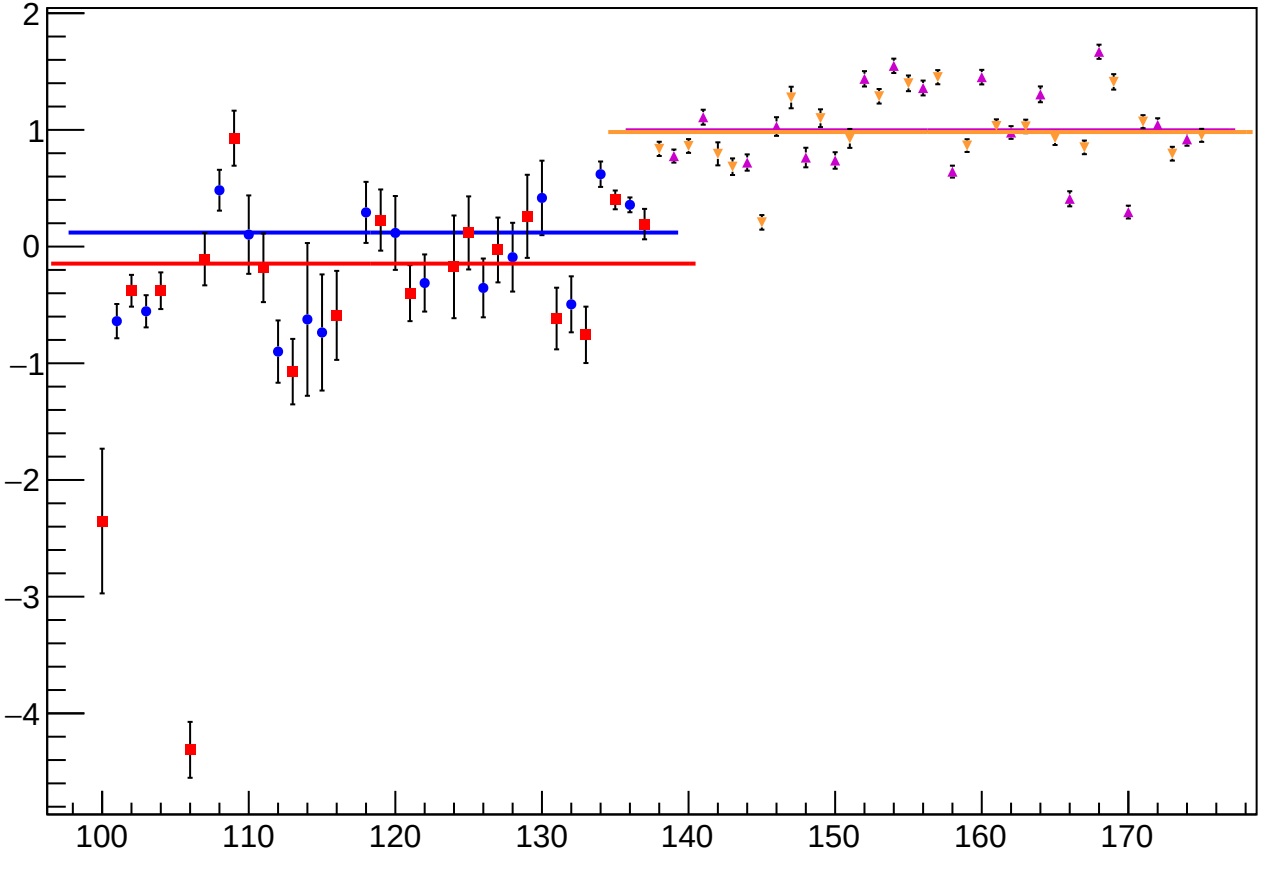
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -109.223+/-0.307 χ^2/NDF:3236.4/33

Out: -111.372+/-0.295 χ^2/NDF:2407.4/38

All: -110.342+/-0.213 χ^2/NDF: 5669.3/72

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.982+/-0.014 χ^2/NDF:385.9/19

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.996+/-0.015 χ^2/NDF:703.4/17

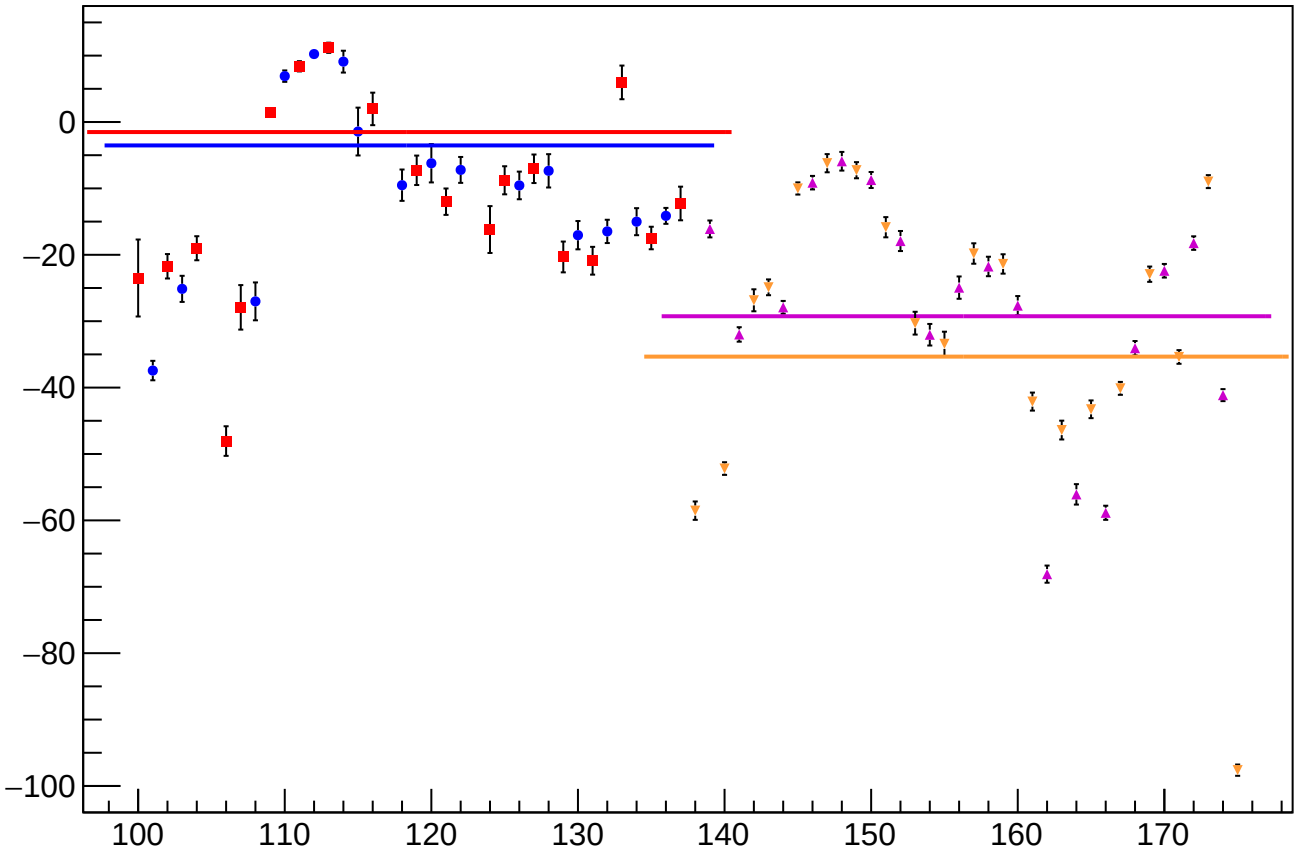
Left: 0.989+/-0.010 χ^2/NDF: 1089.8/37

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.898+/-0.014 χ^2/NDF:1228.6/33

Out: 0.879+/-0.014 χ^2/NDF:1380.5/38

All: 0.888+/-0.010 χ^2/NDF: 2610.1/72



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.335+/-0.269 χ^2/NDF:9169.0/19

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -29.254+/-0.281 χ^2/NDF:3498.7/17

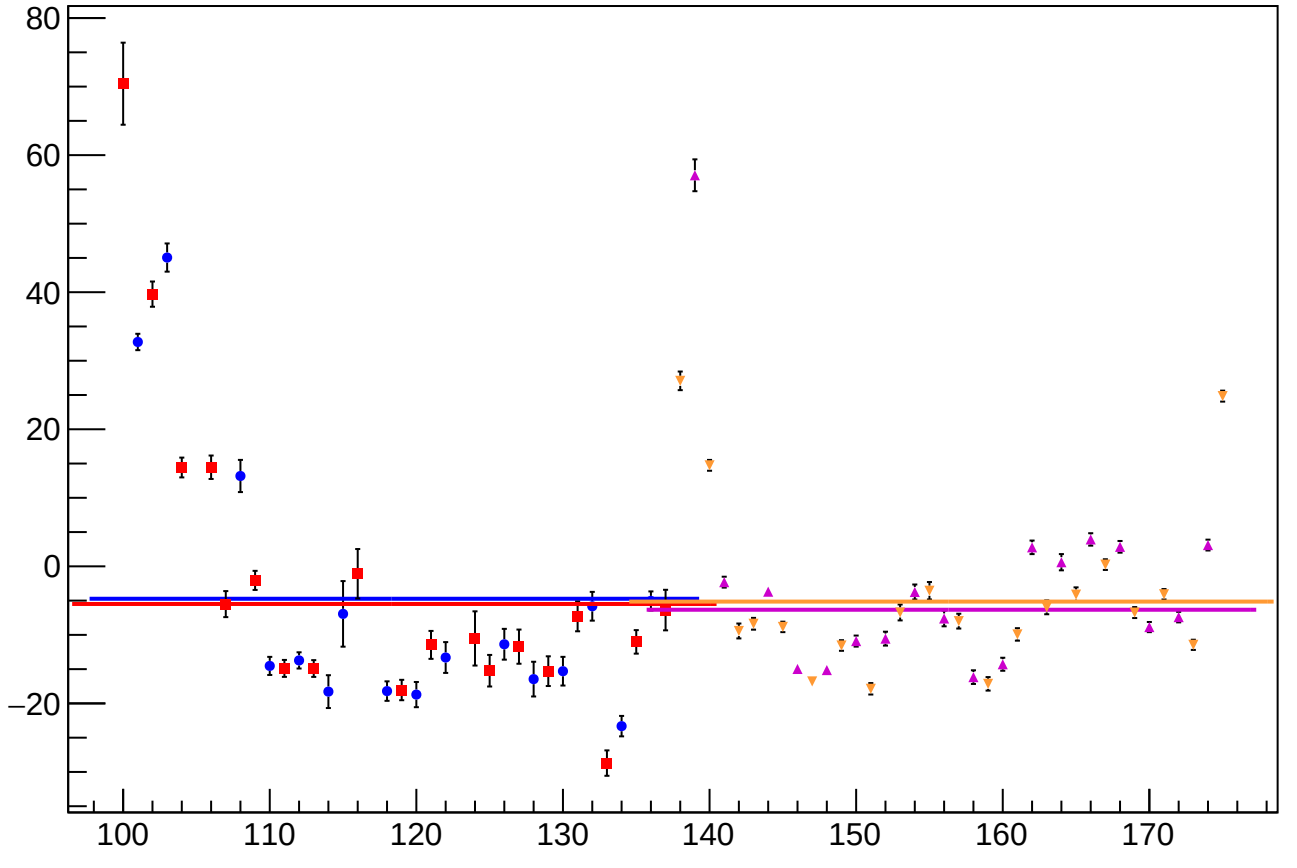
Left: -32.423+/-0.194 χ^2/NDF: 12912.6/37

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -20.078+/-0.225 χ^2/NDF:8027.5/33

Out: -22.247+/-0.211 χ^2/NDF:16815.7/38

All: -21.235+/-0.154 χ^2/NDF: 24892.8/72



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -5.143+/-0.195 χ^2/NDF:3596.6/19

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.334+/-0.203 χ^2/NDF:1896.8/17

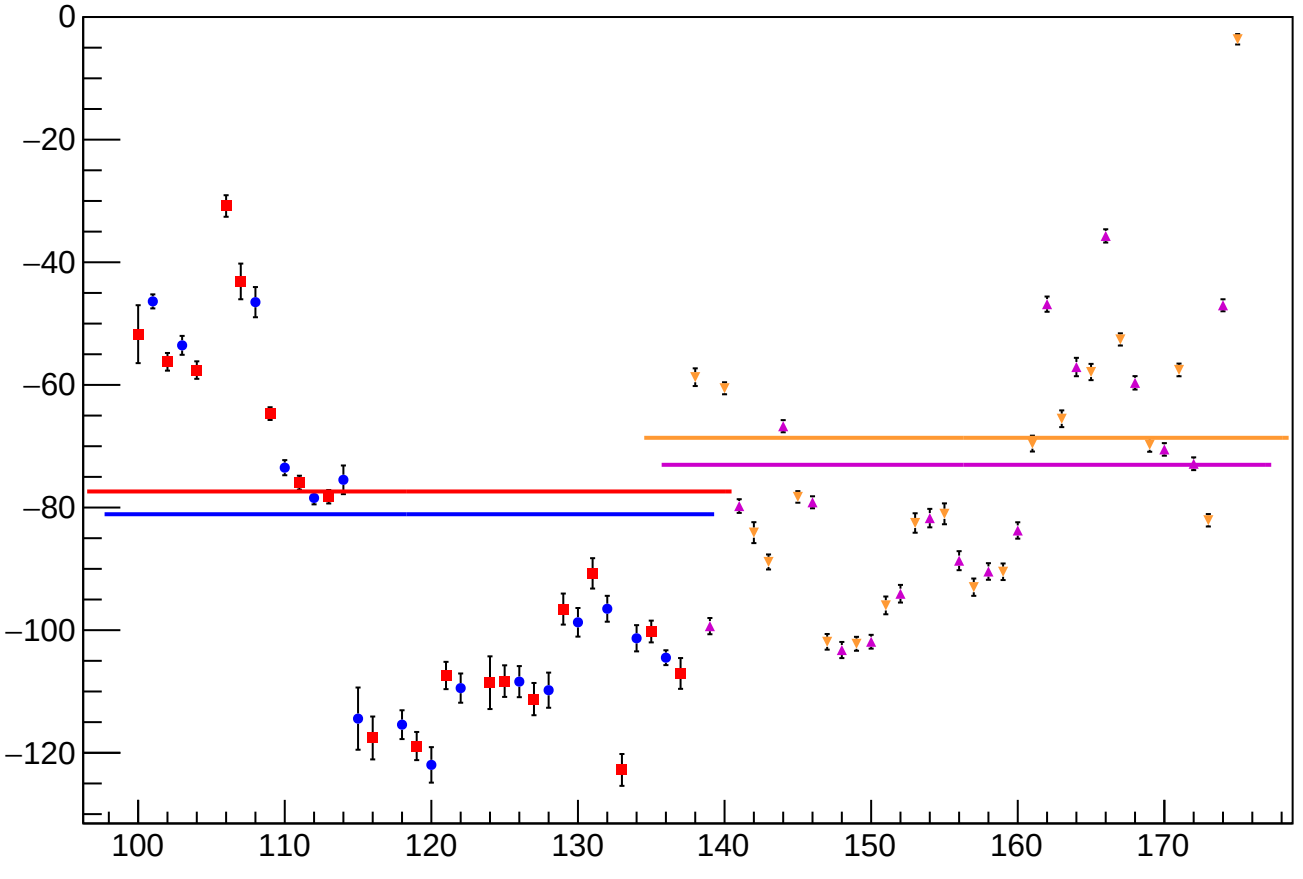
Left: -5.715+/-0.141 χ^2/NDF: 5511.3/37

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.042+/-0.184 χ^2/NDF:4056.1/33

Out: -5.204+/-0.177 χ^2/NDF:5105.7/38

All: -5.608+/-0.127 χ^2/NDF: 9172.6/72



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -68.626+/-0.267 χ^2/NDF:9649.3/19

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -73.030+/-0.278 χ^2/NDF:4873.8/17

Left: -70.736+/-0.193 χ^2/NDF: 14653.7/37

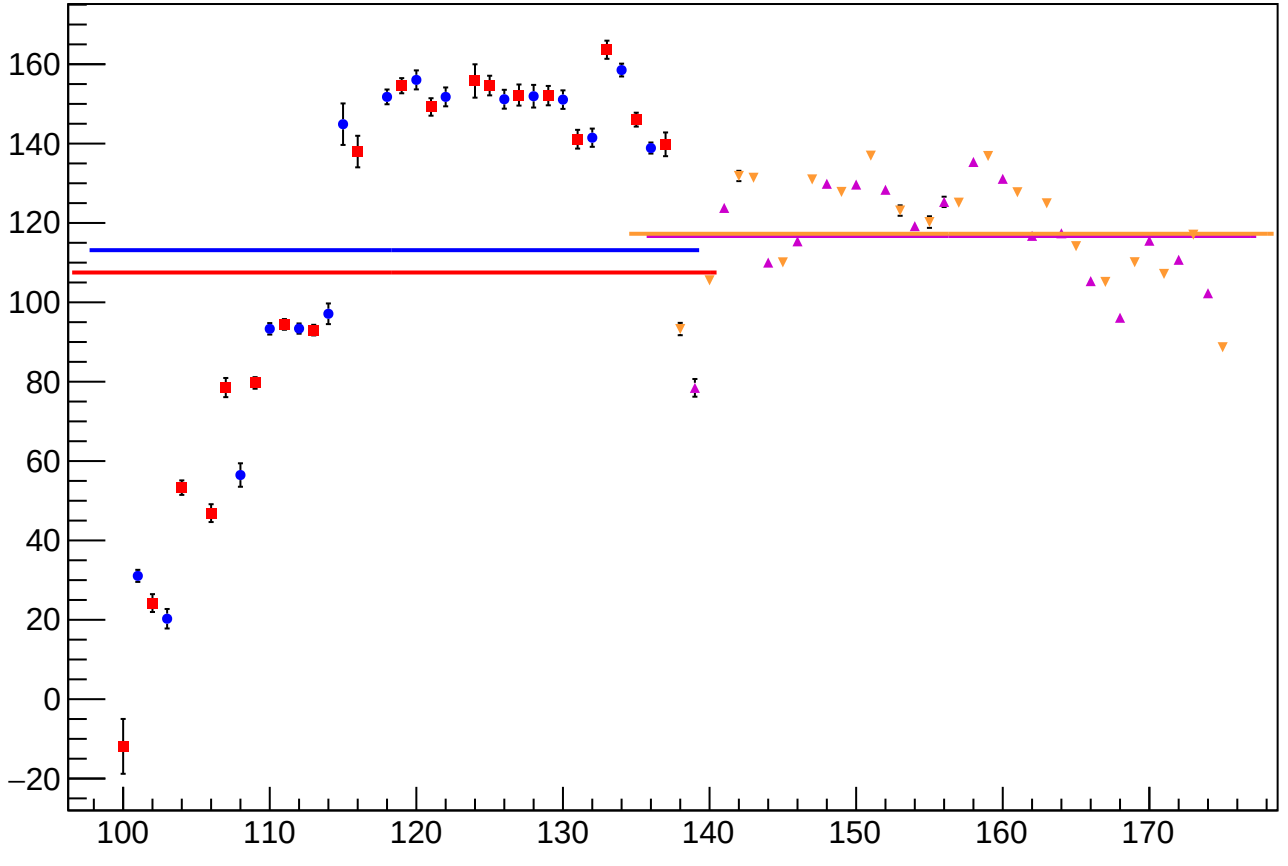
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -75.344+/-0.235 χ^2/NDF:7985.2/33

Out: -71.169+/-0.225 χ^2/NDF:13091.8/38

All: -73.164+/-0.162 χ^2/NDF: 21242.0/72

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 117.276+/-0.223 χ^2/NDF:3663.3/19

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 116.715+/-0.232 χ^2/NDF:2388.9/17

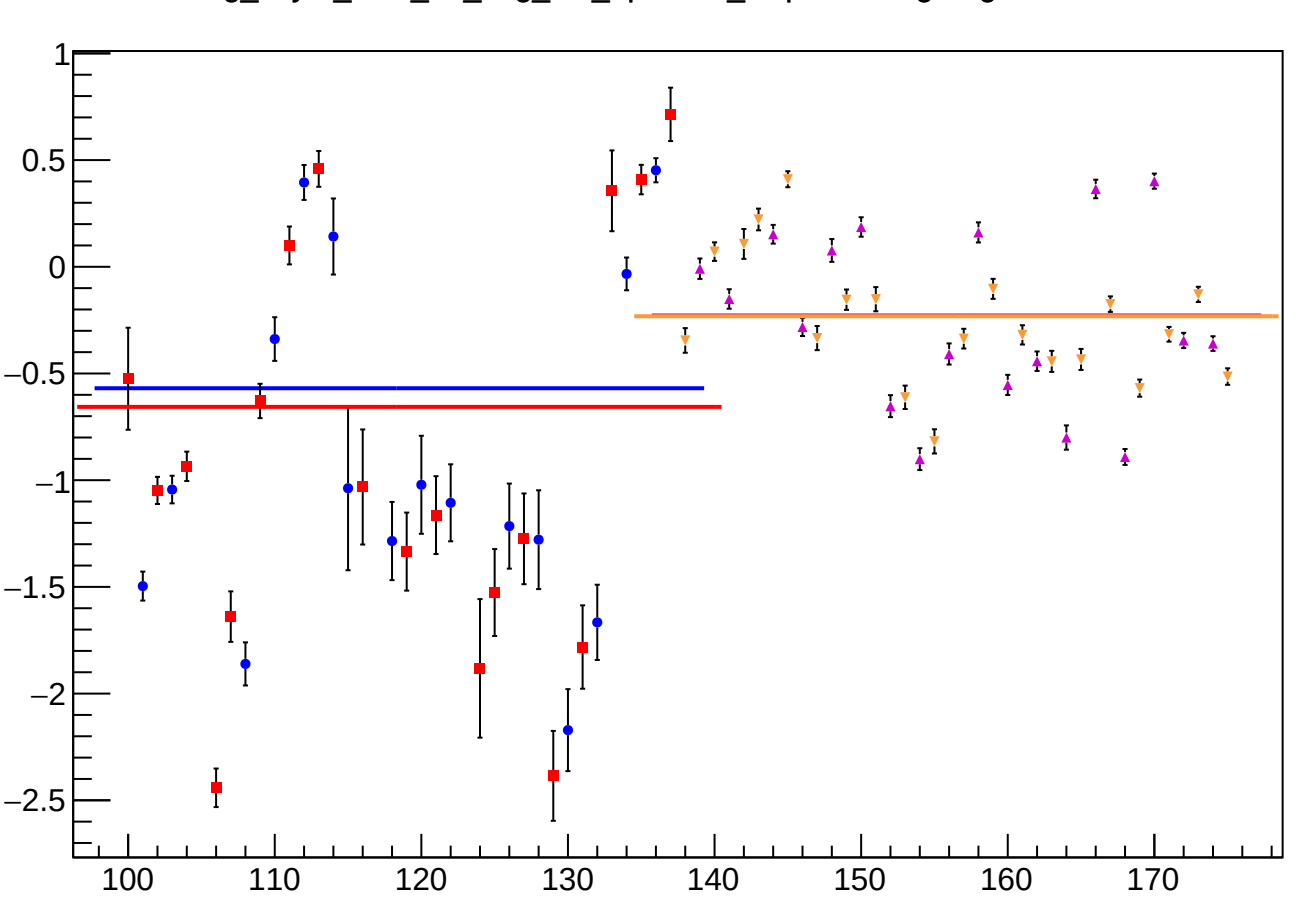
Left: 117.007+/-0.161 χ^2/NDF: 6055.2/37

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 116.059+/-0.209 χ^2/NDF:10636.5/33

Out: 115.543+/-0.202 χ^2/NDF:11548.3/38

All: 115.792+/-0.145 χ^2/NDF: 22188.0/72



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.232+/-0.010 χ^2/NDF:804.5/19

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.228+/-0.010 χ^2/NDF:1550.9/17

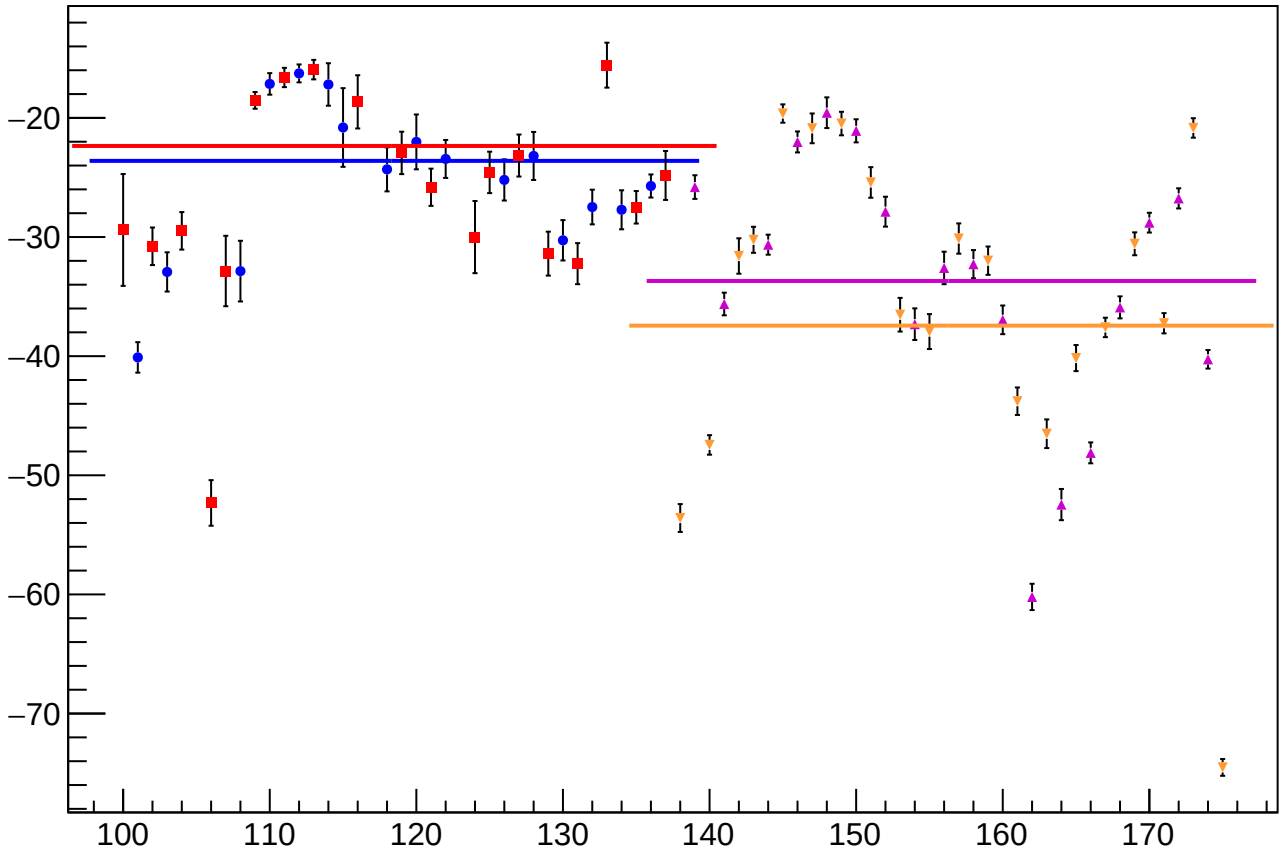
Left: -0.230+/-0.007 χ^2/NDF: 2355.4/37

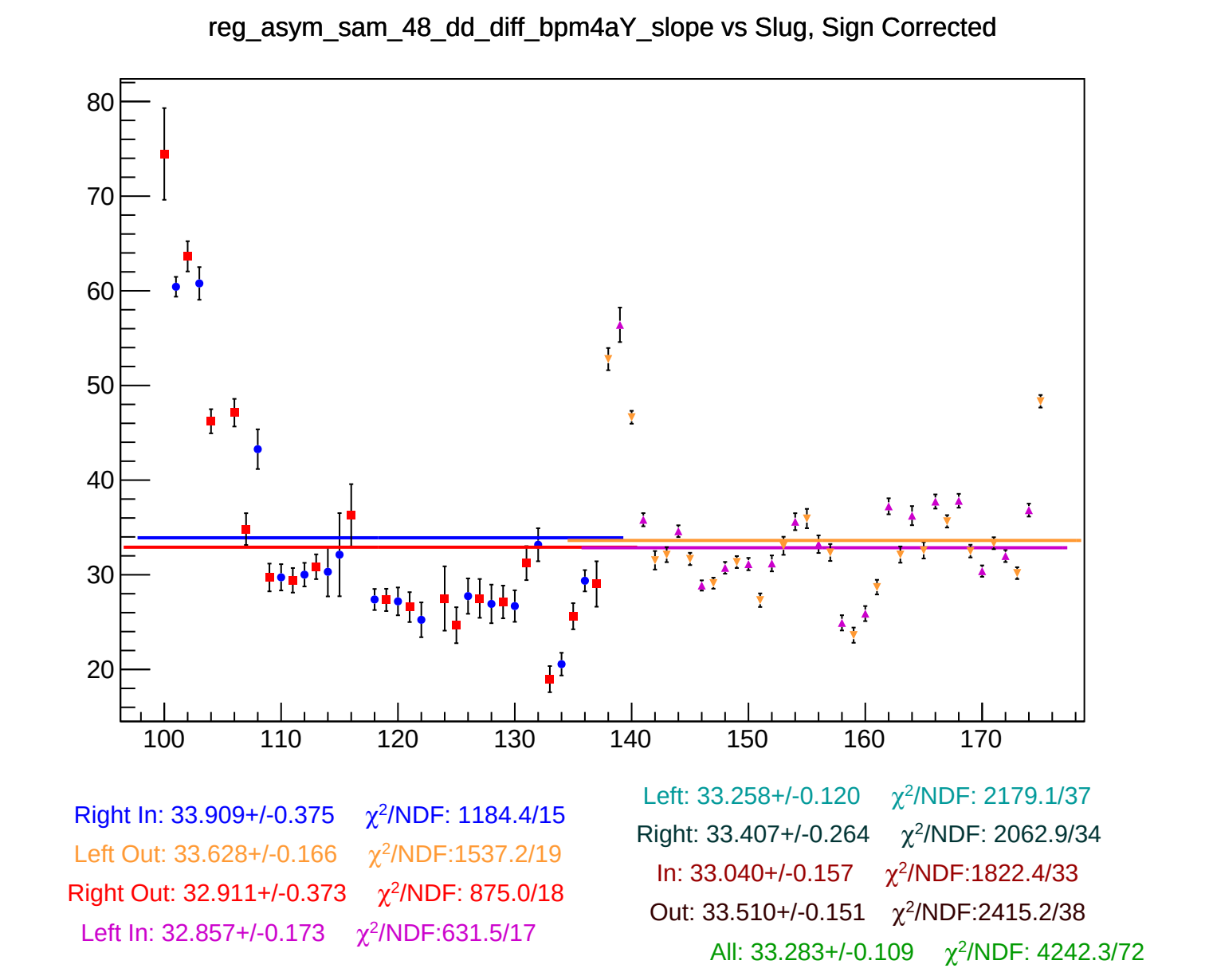
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

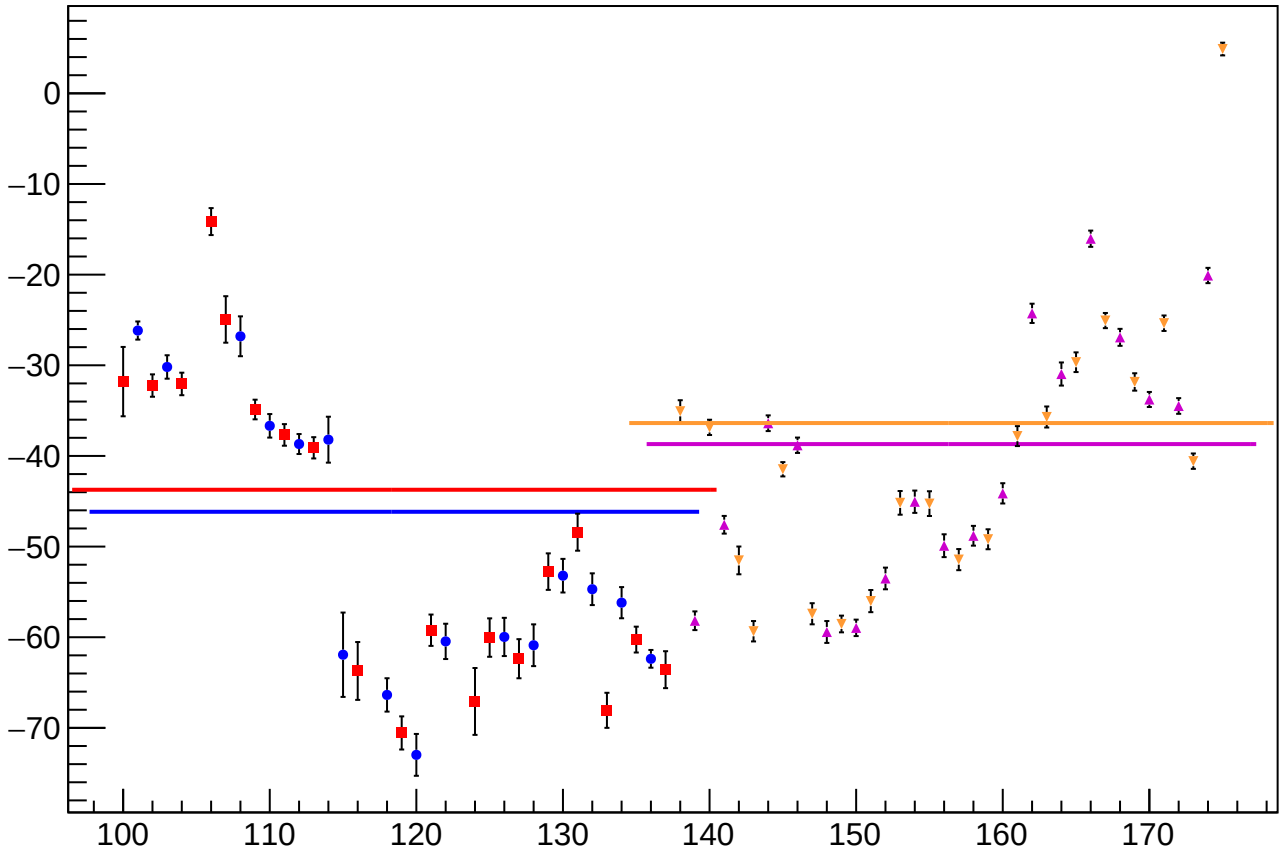
In: -0.275+/-0.010 χ^2/NDF:2799.0/33

Out: -0.291+/-0.009 χ^2/NDF:2363.9/38

All: -0.283+/-0.007 χ^2/NDF: 5164.3/72


reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -23.607+/-0.348 χ²/NDF: 406.4/15
Left Out: -37.436+/-0.226 χ²/NDF:4881.4/19
Right Out: -22.354+/-0.322 χ²/NDF: 551.7/18
Left In: -33.689+/-0.236 χ²/NDF:1813.8/17
Left: -35.639+/-0.163 χ²/NDF: 6826.7/37
Right: -22.931+/-0.236 χ²/NDF: 965.1/34
In: -30.522+/-0.195 χ²/NDF:2794.8/33
Out: -32.445+/-0.185 χ²/NDF:6903.1/38
All: -31.534+/-0.134 χ²/NDF: 9749.1/72


reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 33.909+/-0.375 χ2/NDF: 1184.4/15
Left Out: 33.628+/-0.166 χ2/NDF:1537.2/19
Right Out: 32.911+/-0.373 χ2/NDF: 875.0/18
Left In: 32.857+/-0.173 χ2/NDF:631.5/17
Left: 33.258+/-0.120 χ2/NDF: 2179.1/37
Right: 33.407+/-0.264 χ2/NDF: 2062.9/34
In: 33.040+/-0.157 χ2/NDF:1822.4/33
Out: 33.510+/-0.151 χ2/NDF:2415.2/38
All: 33.283+/-0.109 χ2/NDF: 4242.3/72



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -36.372+/-0.224 χ^2/NDF:5995.1/19

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -38.693+/-0.234 χ^2/NDF:3174.7/17

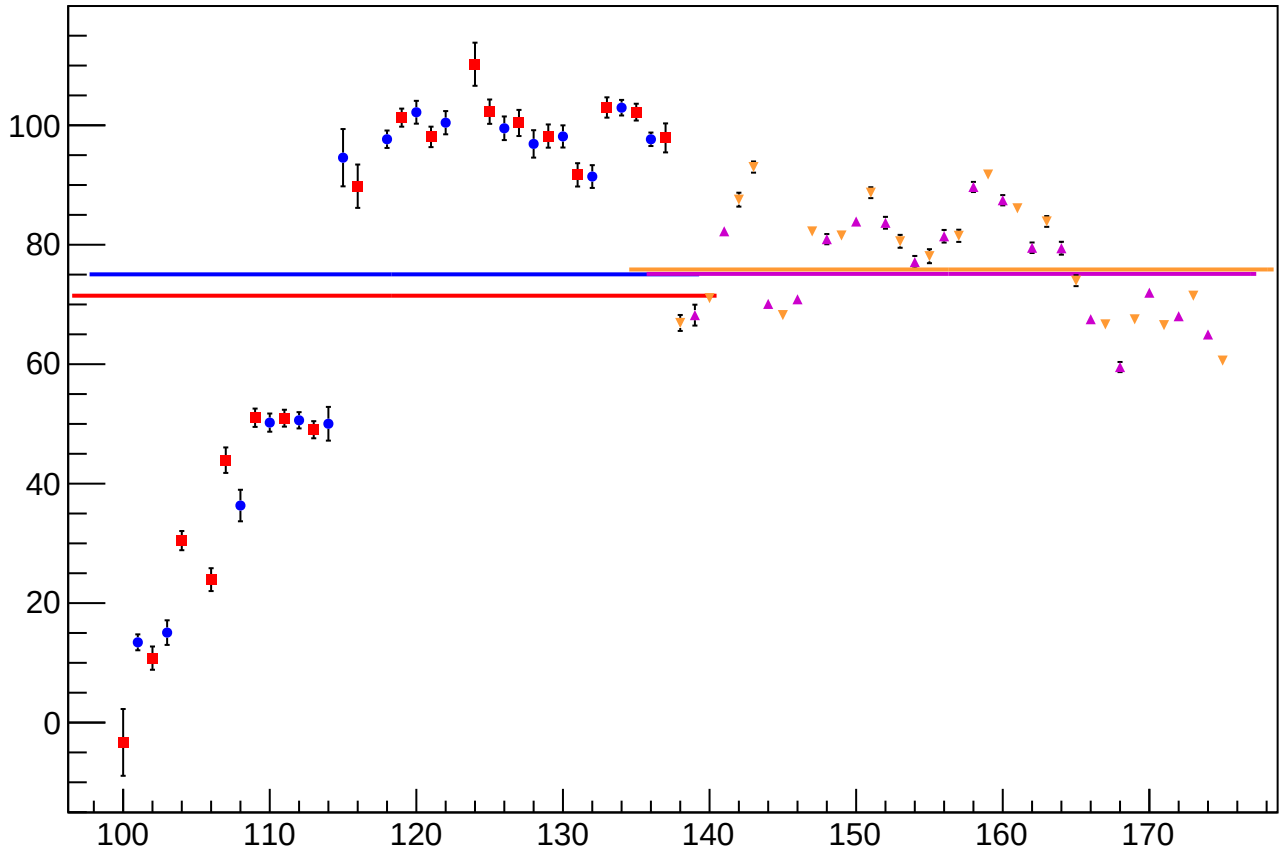
Left: -37.485+/-0.162 χ^2/NDF: 9221.2/37

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -40.666+/-0.200 χ^2/NDF:4934.4/33

Out: -38.285+/-0.193 χ^2/NDF:7938.5/38

All: -39.430+/-0.139 χ^2/NDF: 12946.1/72



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.859+/-0.188 χ^2/NDF:2579.3/19

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 75.120+/-0.196 χ^2/NDF:1766.8/17

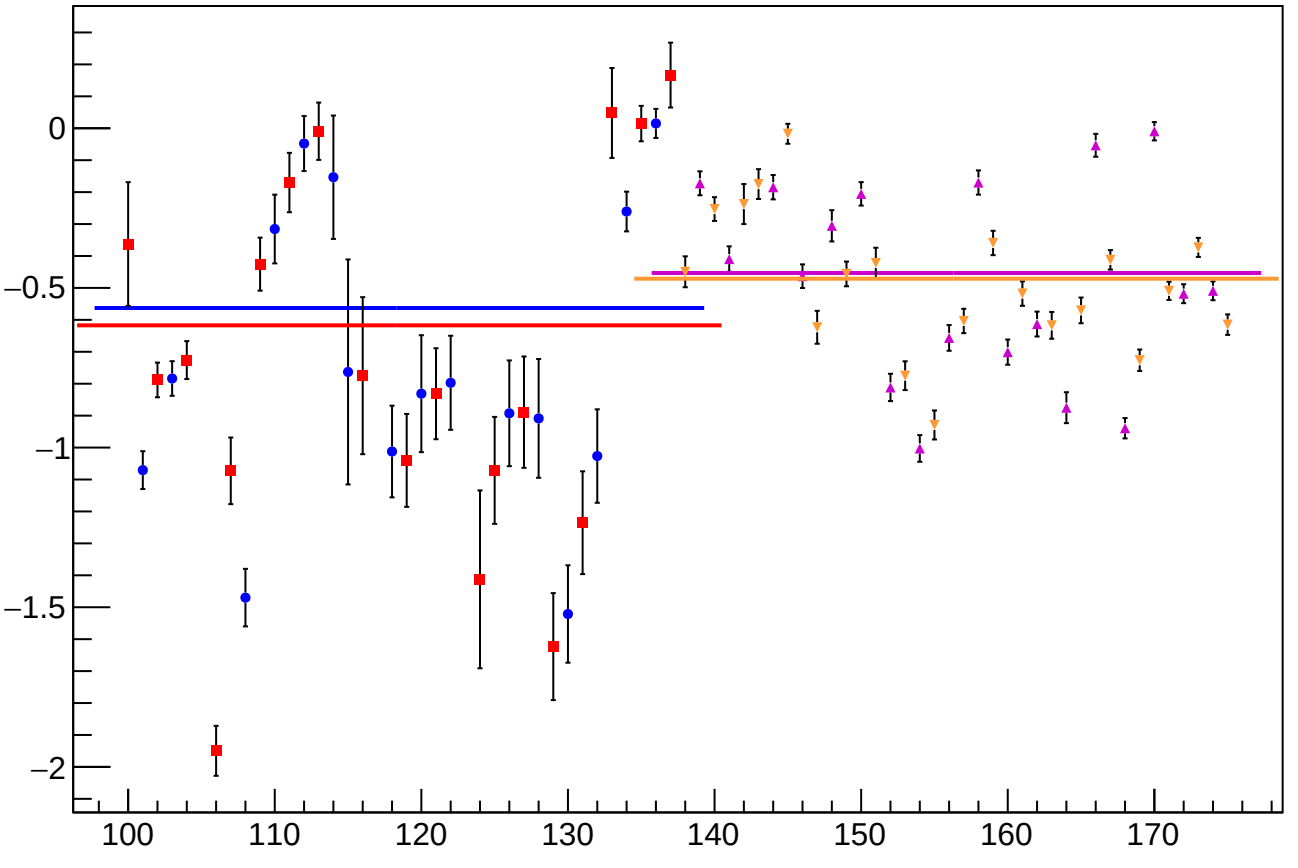
Left: 75.504+/-0.136 χ^2/NDF: 4353.5/37

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 75.106+/-0.178 χ^2/NDF:7595.2/33

Out: 75.141+/-0.172 χ^2/NDF:8296.4/38

All: 75.124+/-0.124 χ^2/NDF: 15891.6/72



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.471+/-0.008 χ^2/NDF:591.8/19

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.453+/-0.009 χ^2/NDF:1222.9/17

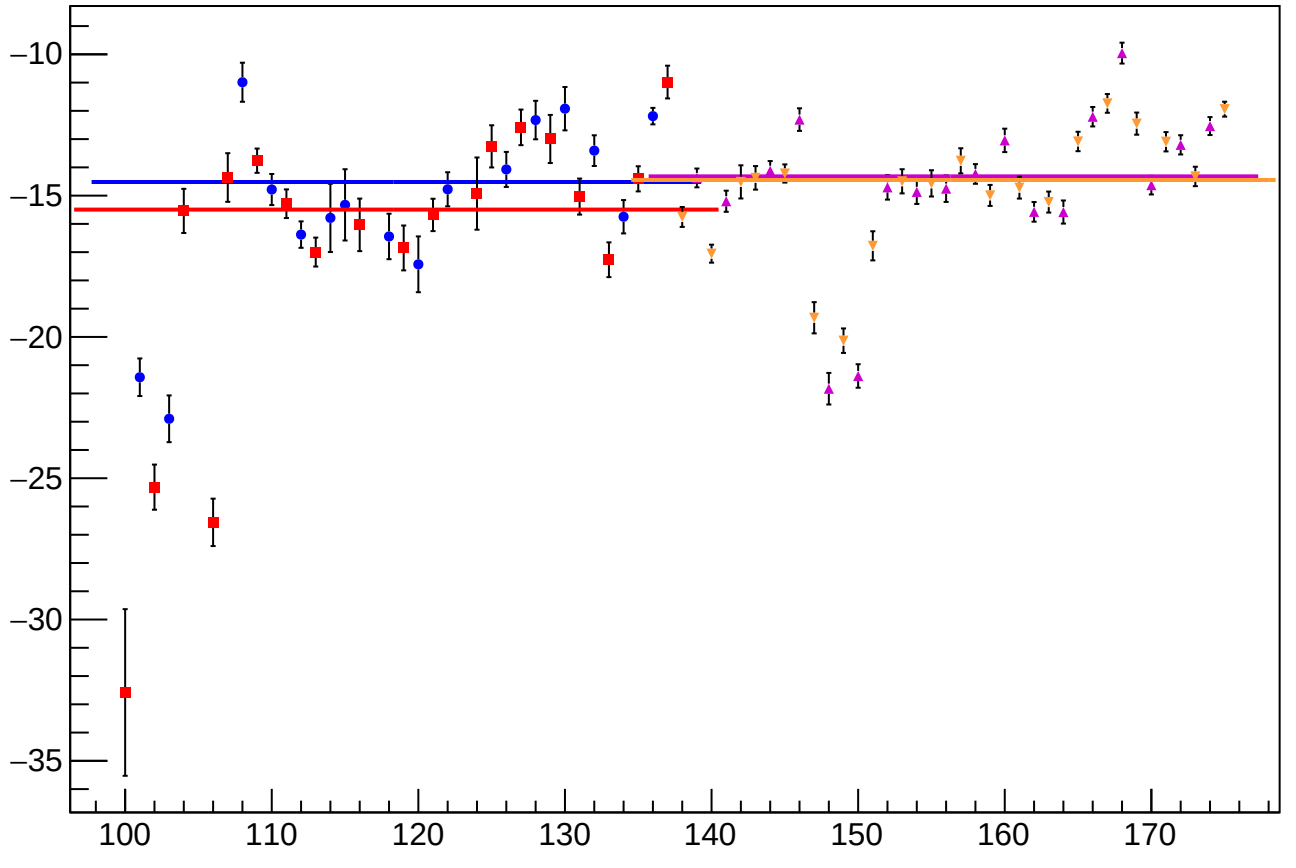
Left: -0.462+/-0.006 χ^2/NDF: 1816.9/37

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.468+/-0.008 χ^2/NDF:1737.0/33

Out: -0.490+/-0.008 χ^2/NDF:1319.6/38

All: -0.479+/-0.006 χ^2/NDF: 3060.5/72



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.446+/-0.084 χ^2/NDF:576.2/19

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.318+/-0.089 χ^2/NDF:756.0/17

Left: -14.385+/-0.061 χ^2/NDF: 1333.3/37

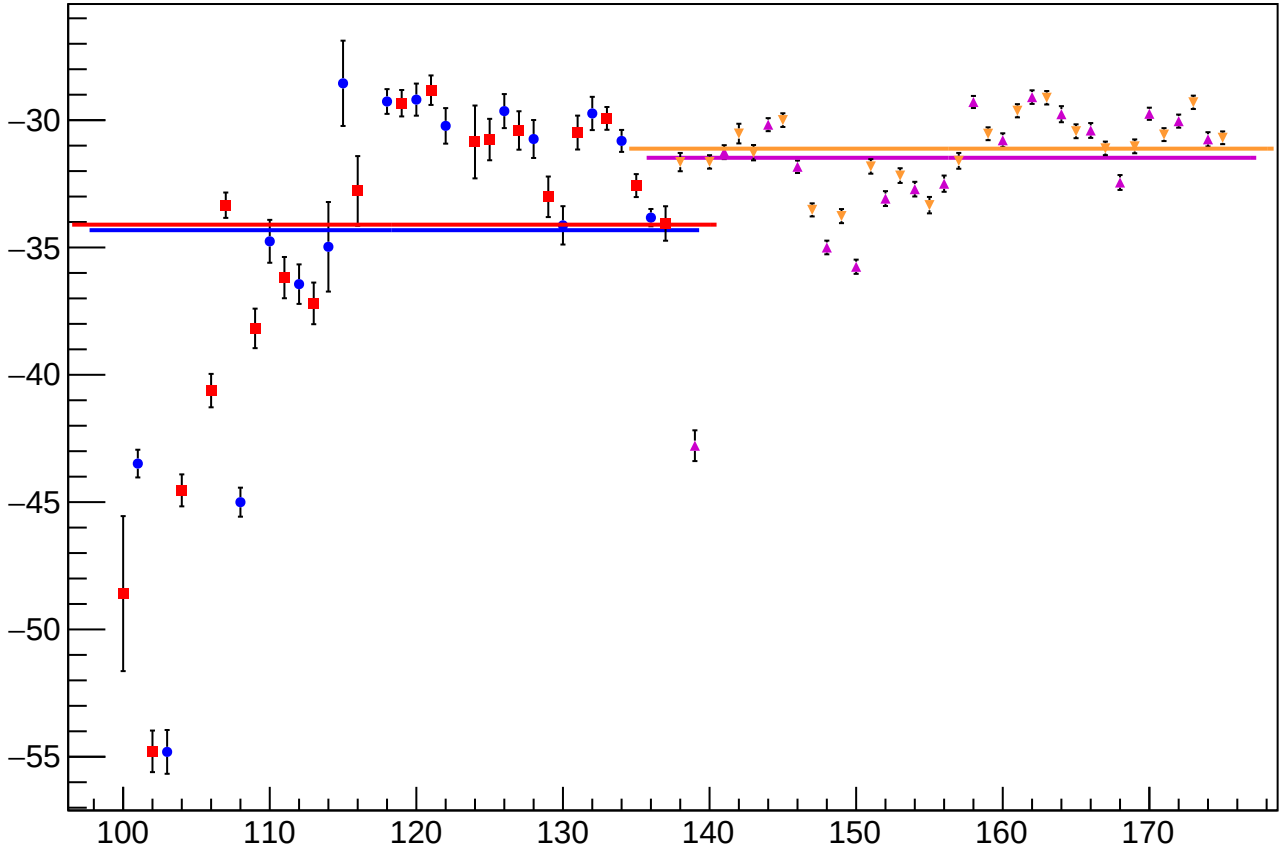
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.370+/-0.076 χ^2/NDF:1120.7/33

Out: -14.698+/-0.074 χ^2/NDF:1117.1/38

All: -14.540+/-0.053 χ^2/NDF: 2247.4/72

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.119+/-0.062 χ^2/NDF:431.1/19

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.478+/-0.066 χ^2/NDF:1158.6/17

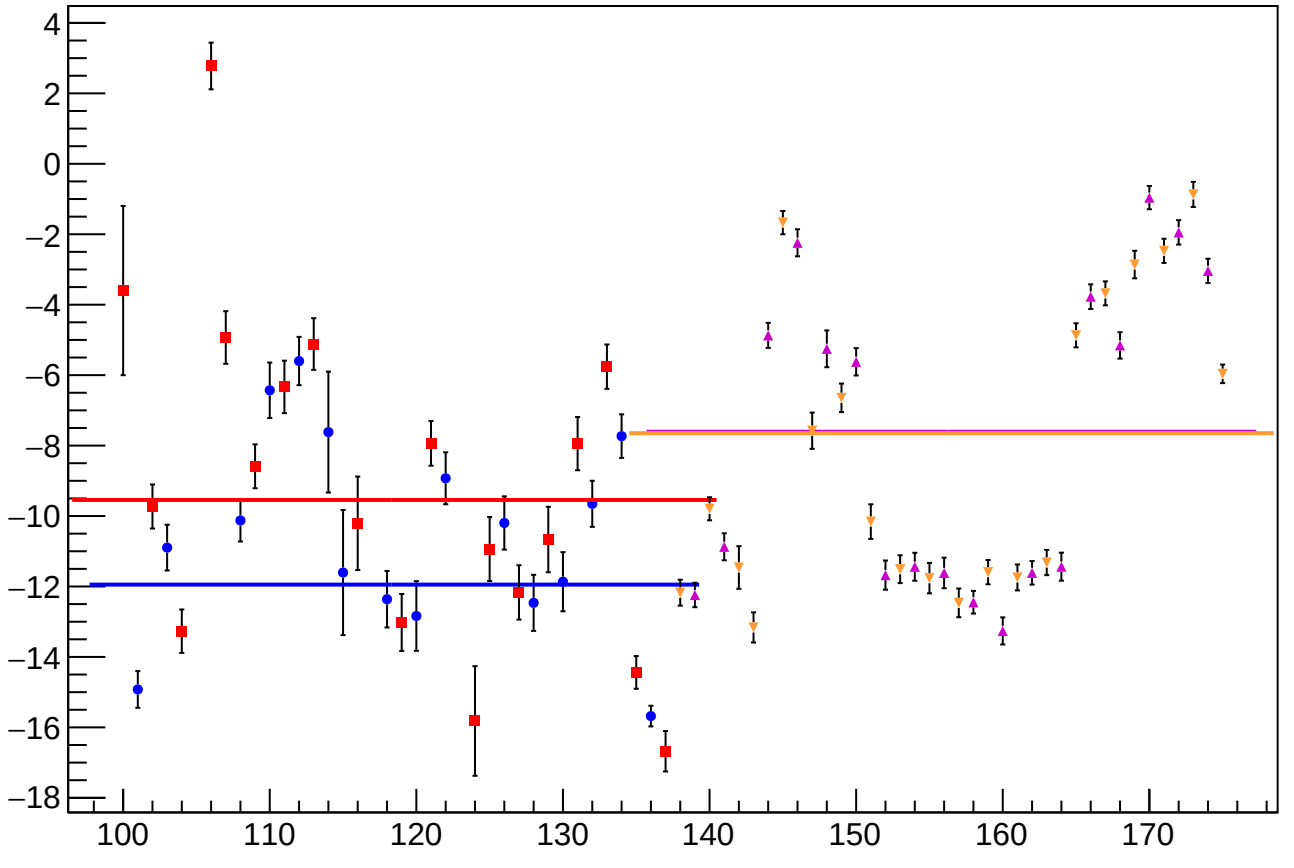
Left: -31.289+/-0.045 χ^2/NDF: 1605.4/37

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.919+/-0.060 χ^2/NDF:3069.8/33

Out: -31.538+/-0.058 χ^2/NDF:2188.3/38

All: -31.720+/-0.042 χ^2/NDF: 5278.8/72



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.647+/-0.083 χ^2/NDF:2428.0/19

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.607+/-0.088 χ^2/NDF:2519.1/17

Left: -7.628+/-0.060 χ^2/NDF: 4947.2/37

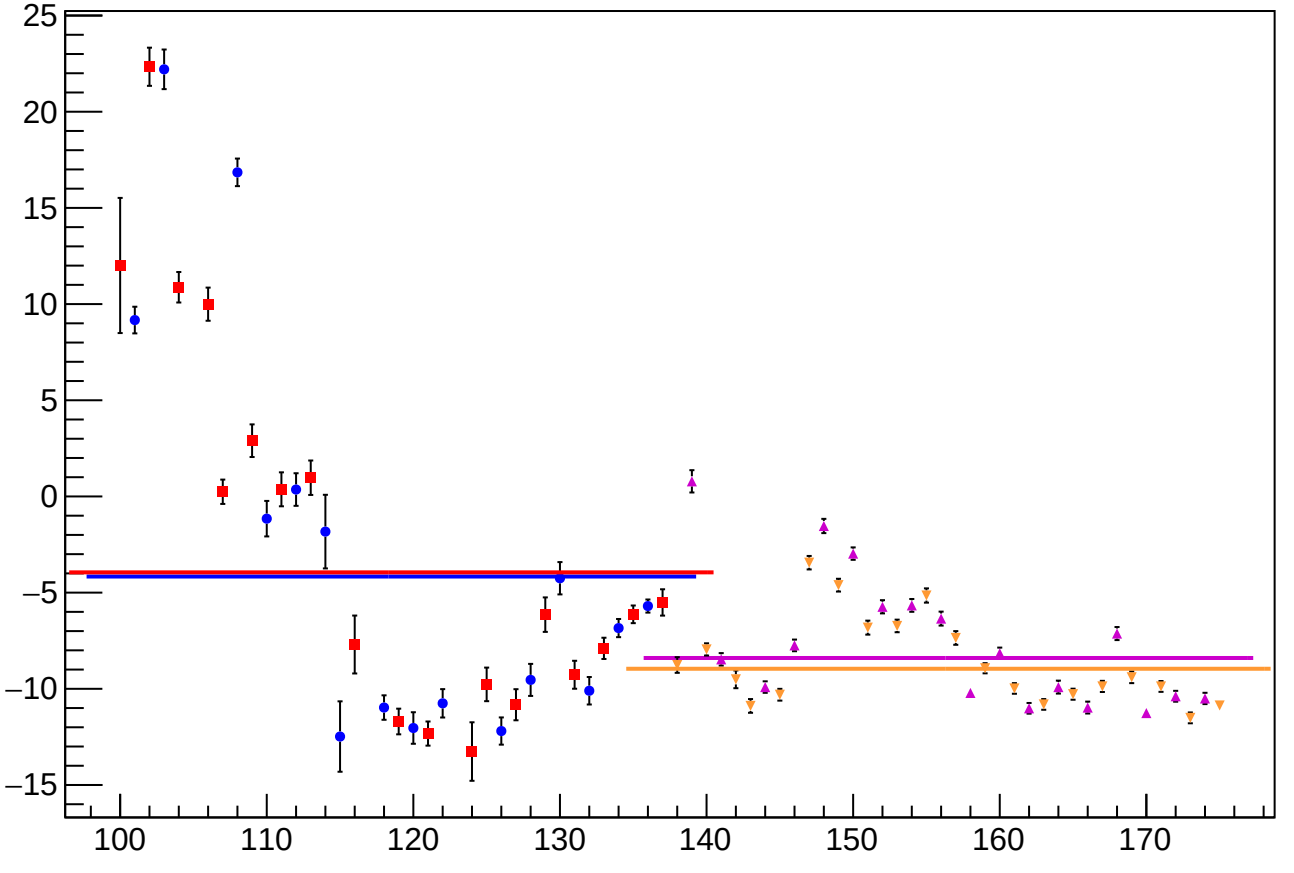
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.605+/-0.077 χ^2/NDF:3514.7/33

Out: -8.032+/-0.074 χ^2/NDF:3380.1/38

All: -8.309+/-0.053 χ^2/NDF: 6923.5/72

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.958+/-0.070 χ^2/NDF:922.6/19

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.398+/-0.074 χ^2/NDF:1535.1/17

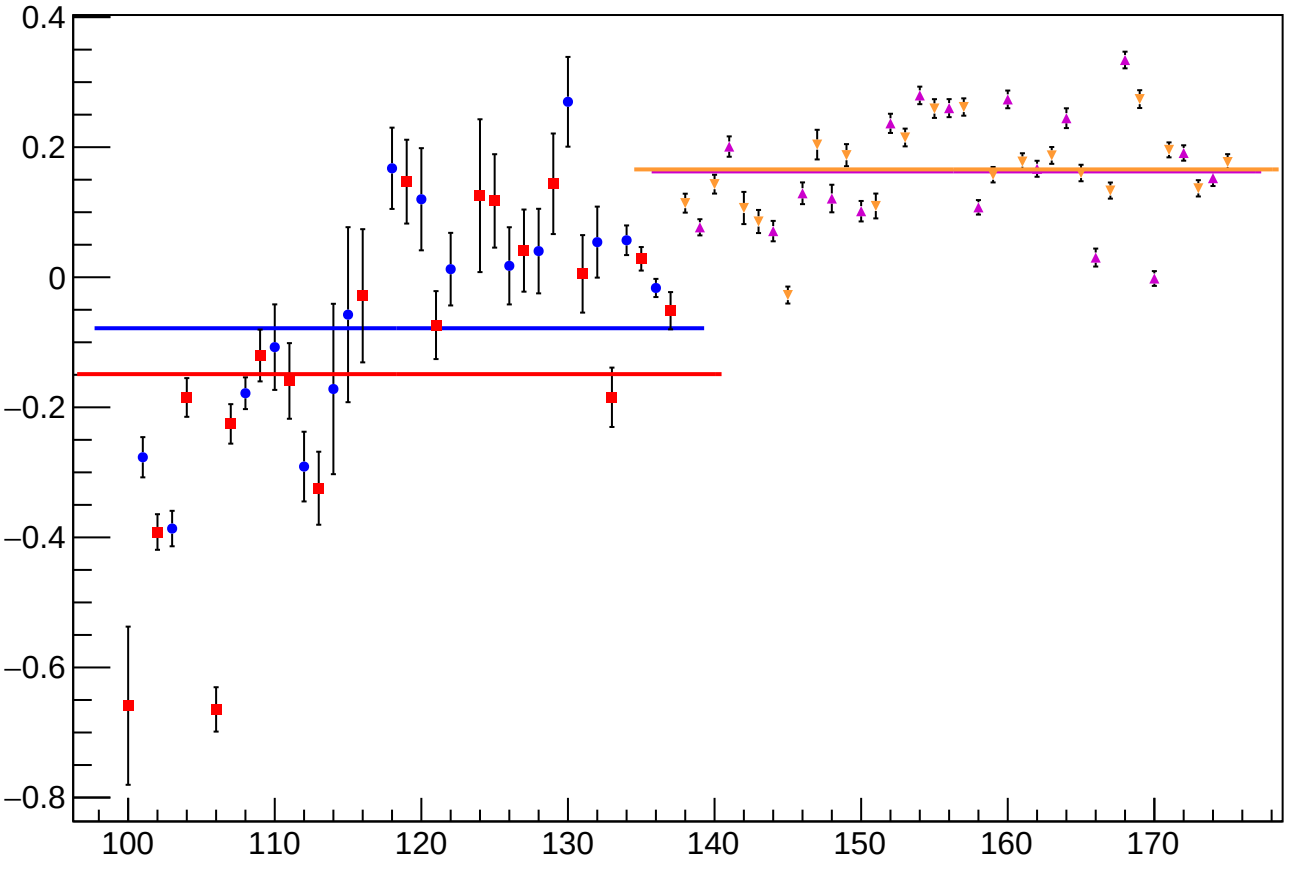
Left: -8.692+/-0.051 χ^2/NDF: 2488.0/37

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.740+/-0.068 χ^2/NDF:4572.6/33

Out: -8.272+/-0.065 χ^2/NDF:3732.2/38

All: -8.016+/-0.047 χ^2/NDF: 8336.7/72



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.166+/-0.003 χ^2/NDF:467.1/19

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.163+/-0.003 χ^2/NDF:867.2/17

Left: 0.164+/-0.002 χ^2/NDF: 1334.8/37

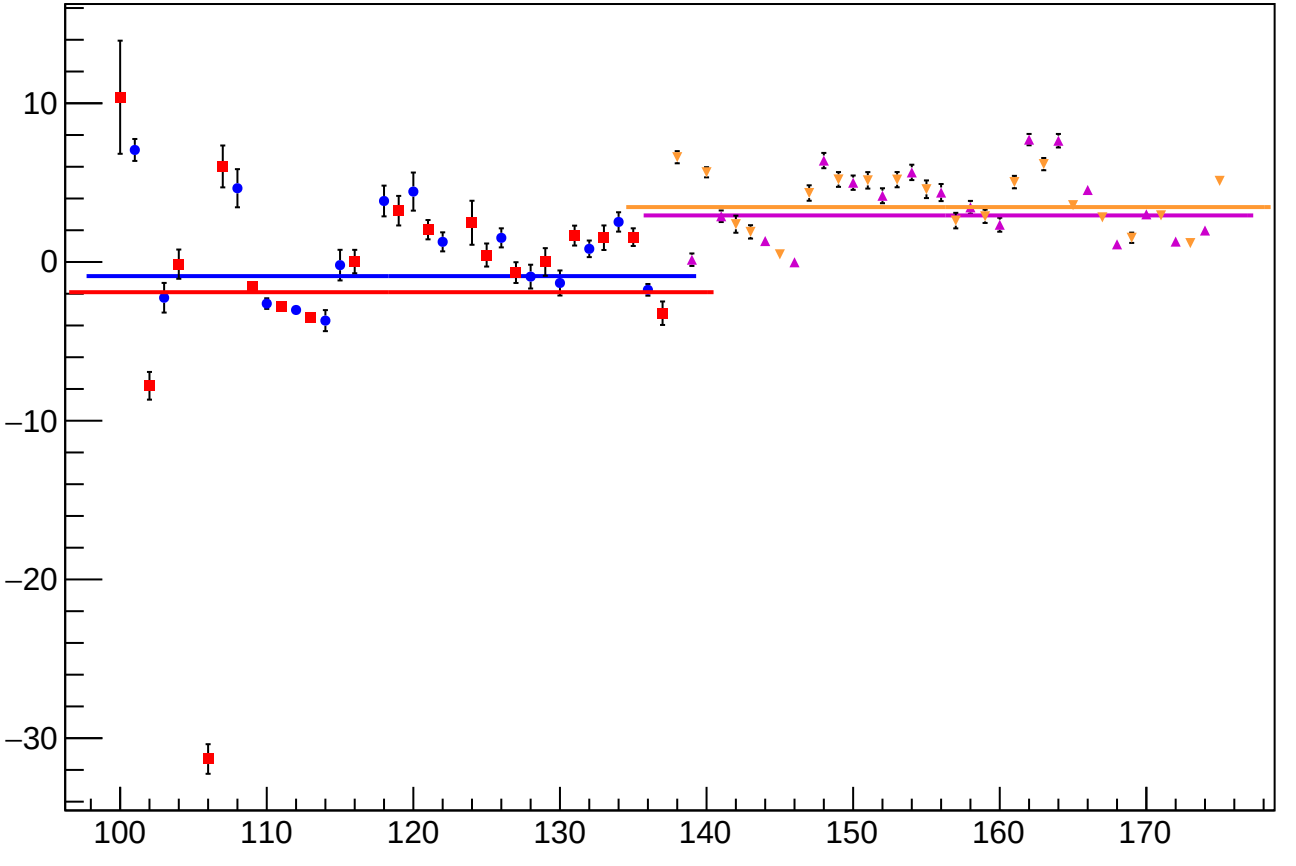
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.133+/-0.003 χ^2/NDF:1880.3/33

Out: 0.132+/-0.003 χ^2/NDF:2067.3/38

All: 0.133+/-0.002 χ^2/NDF: 3947.6/72

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.459+/-0.078 χ^2/NDF:558.7/19

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.934+/-0.081 χ^2/NDF:721.7/17

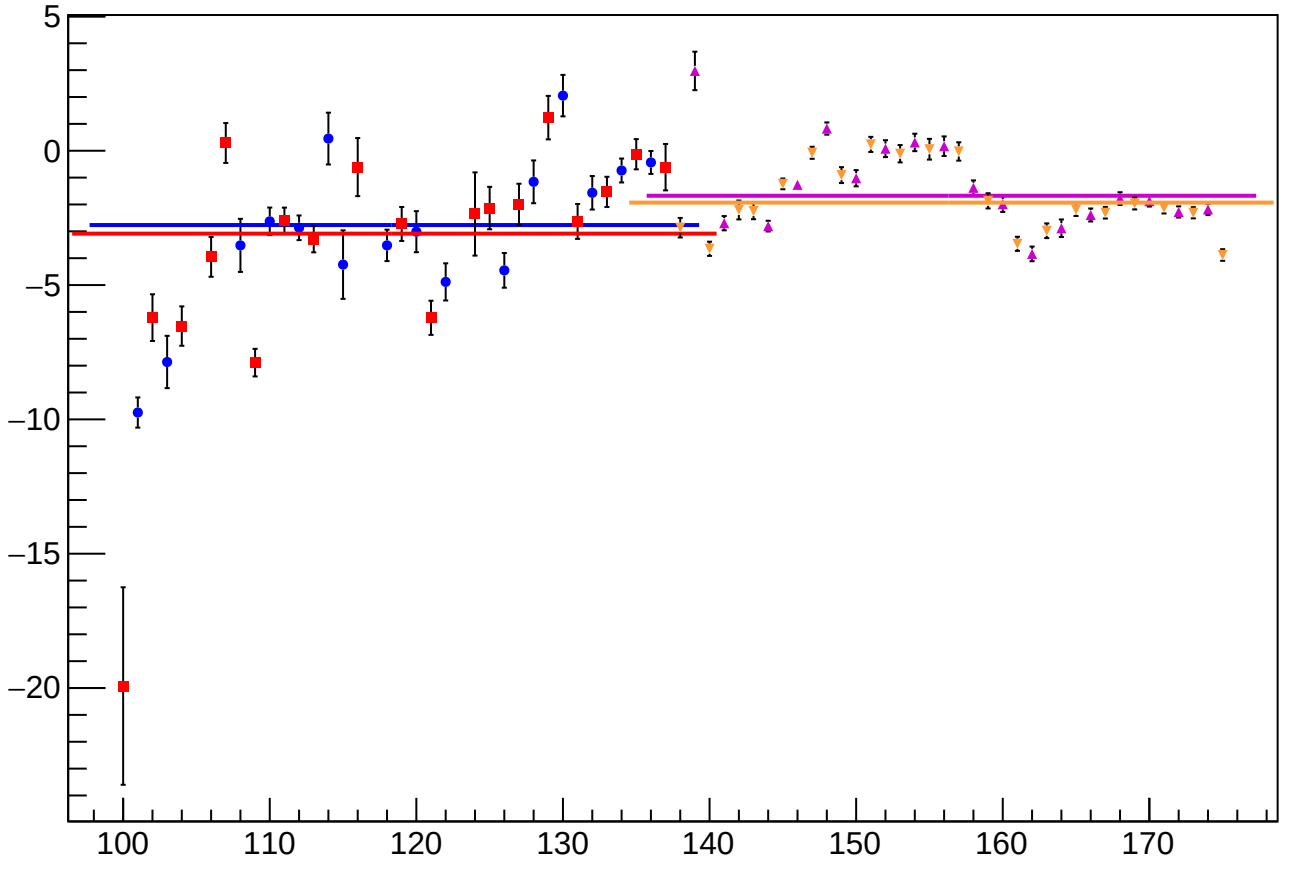
Left: 3.207+/-0.056 χ^2/NDF: 1302.1/37

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.931+/-0.070 χ^2/NDF:1679.9/33

Out: 2.008+/-0.067 χ^2/NDF:3163.5/38

All: 1.972+/-0.048 χ^2/NDF: 4844.0/72



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.931+/-0.058 χ^2/NDF:429.8/19

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.676+/-0.059 χ^2/NDF:416.3/17

Left: -1.807+/-0.041 χ^2/NDF: 855.5/37

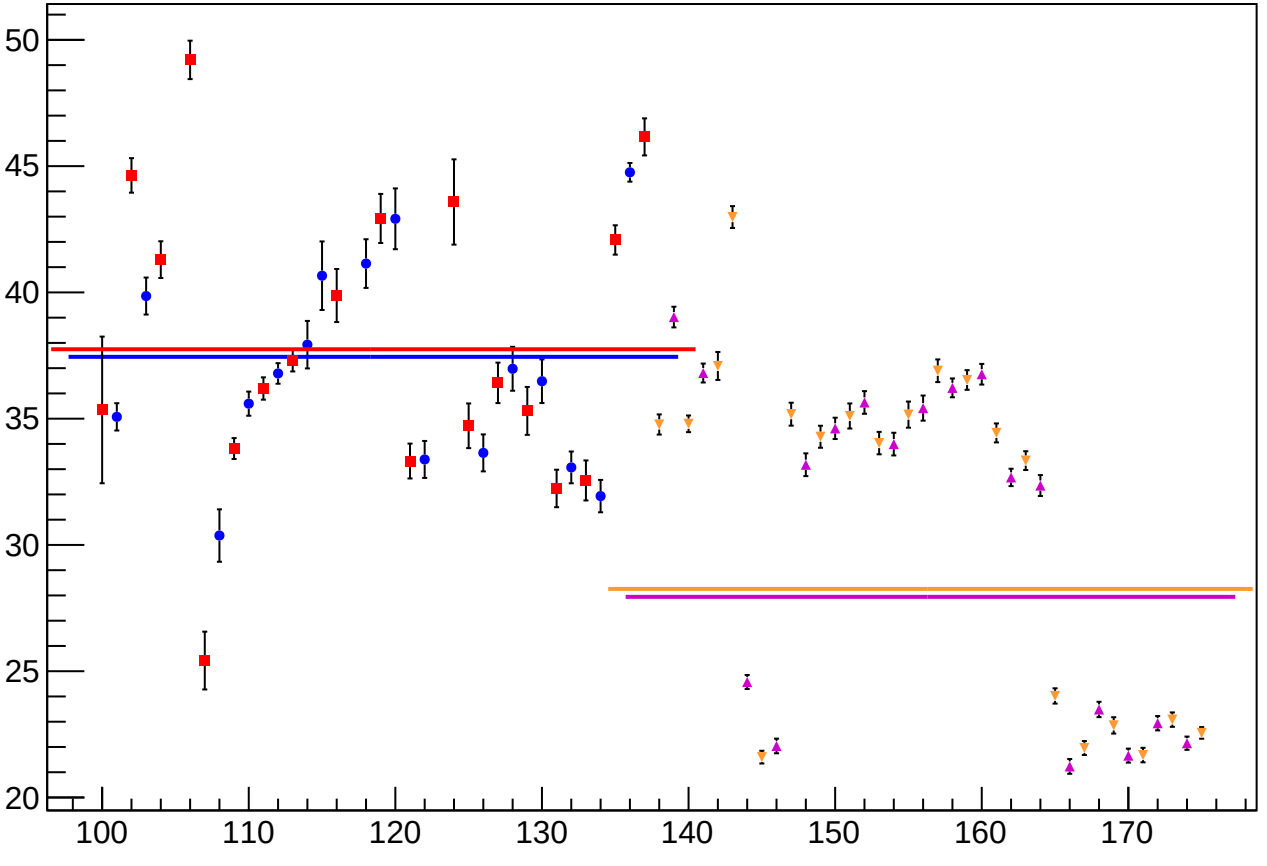
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.813+/-0.056 χ^2/NDF:768.9/33

Out: -2.067+/-0.054 χ^2/NDF:749.7/38

All: -1.943+/-0.039 χ^2/NDF: 1529.3/72

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 28.258+/-0.078 χ^2/NDF:7459.9/19

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.945+/-0.081 χ^2/NDF:6250.7/17

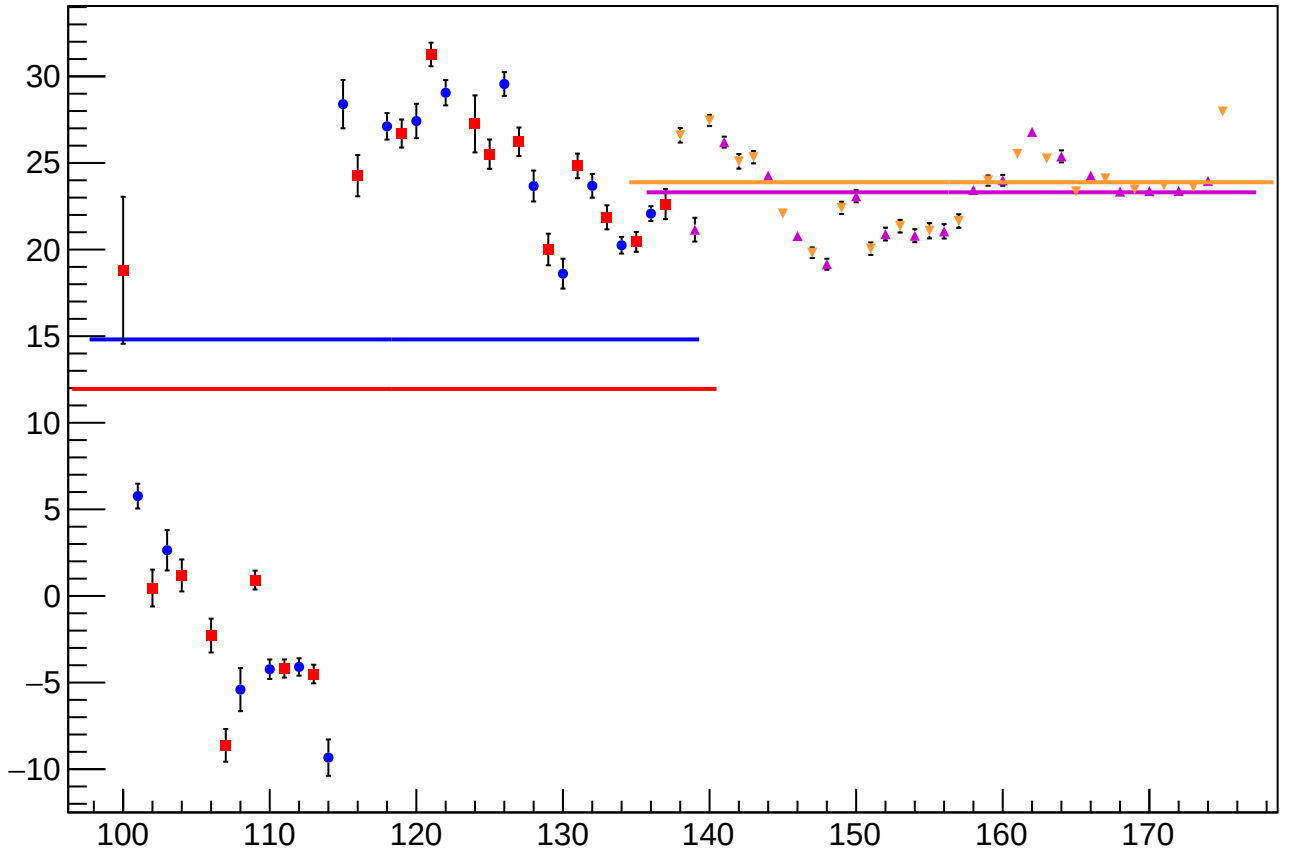
Left: 28.108+/-0.056 χ^2/NDF: 13718.4/37

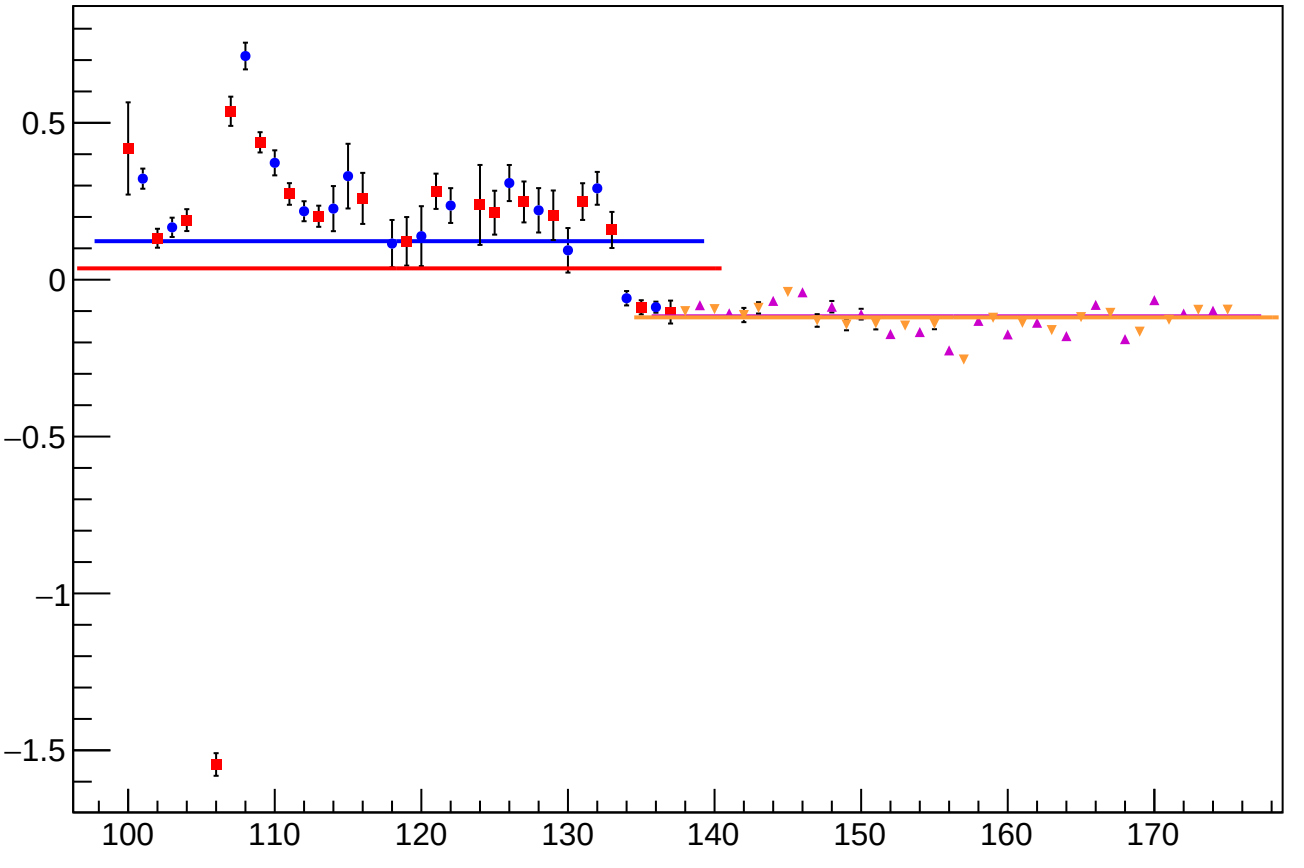
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 29.871+/-0.072 χ^2/NDF:9745.8/33

Out: 30.084+/-0.070 χ^2/NDF:11286.1/38

All: 29.981+/-0.050 χ^2/NDF: 21036.3/72


reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: 14.812+/-0.174 χ²/NDF: 5686.4/15
Left Out: 23.888+/-0.065 χ²/NDF:1068.9/19
Right Out: 11.955+/-0.177 χ²/NDF: 6105.5/18
Left In: 23.305+/-0.067 χ²/NDF:741.3/17
Left: 23.607+/-0.047 χ²/NDF: 1848.9/37
Right: 13.408+/-0.124 χ²/NDF: 11924.5/34
In: 22.197+/-0.063 χ²/NDF:8502.1/33
Out: 22.466+/-0.061 χ²/NDF:11186.1/38
All: 22.335+/-0.044 χ²/NDF: 19697.7/72



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.003 χ^2/NDF:204.9/19

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.117+/-0.003 χ^2/NDF:260.4/17

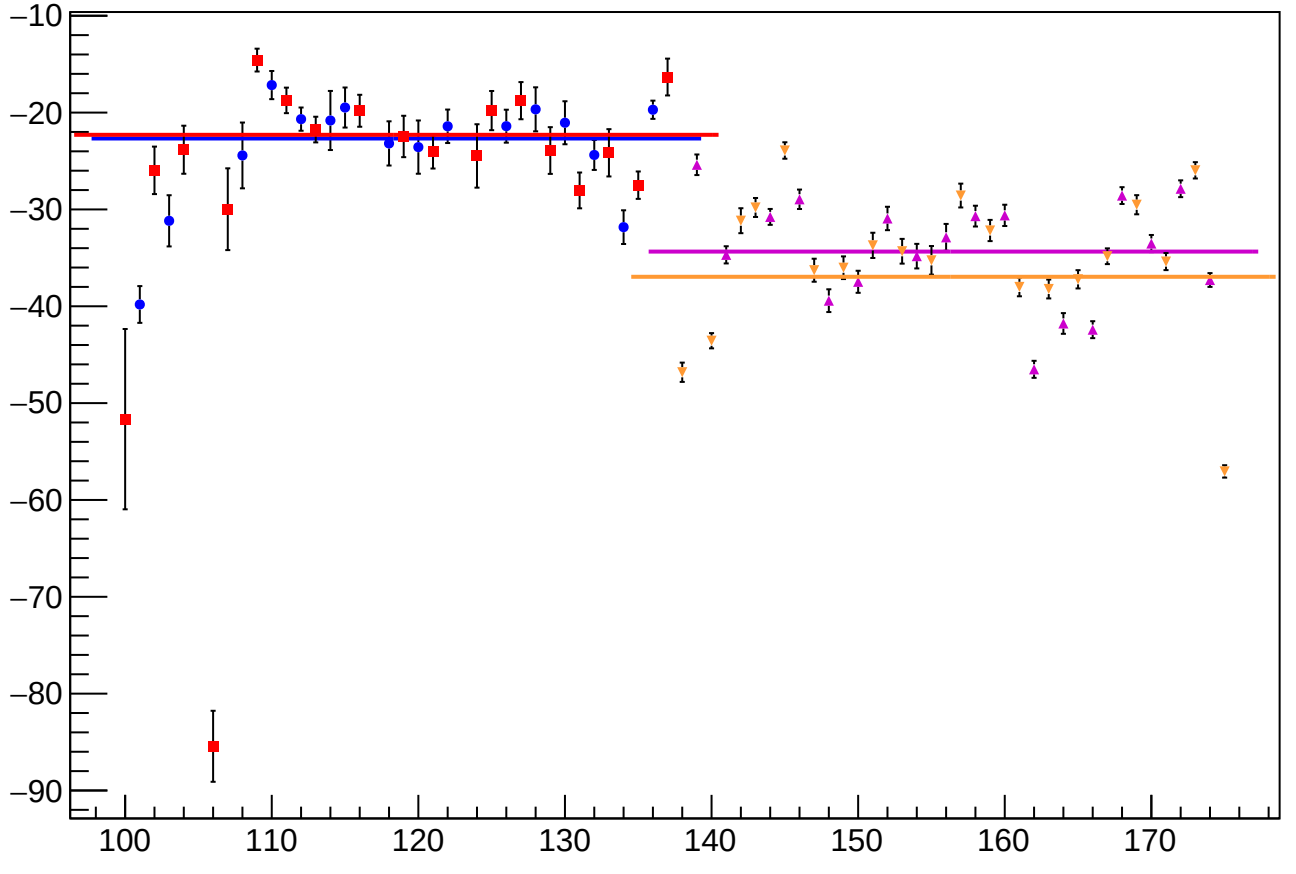
Left: -0.118+/-0.002 χ^2/NDF: 465.9/37

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.095+/-0.003 χ^2/NDF:1368.2/33

Out: -0.107+/-0.003 χ^2/NDF:2853.8/38

All: -0.101+/-0.002 χ^2/NDF: 4231.8/72



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -36.955+/-0.217 χ^2/NDF:1780.2/19

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.353+/-0.229 χ^2/NDF:620.9/17

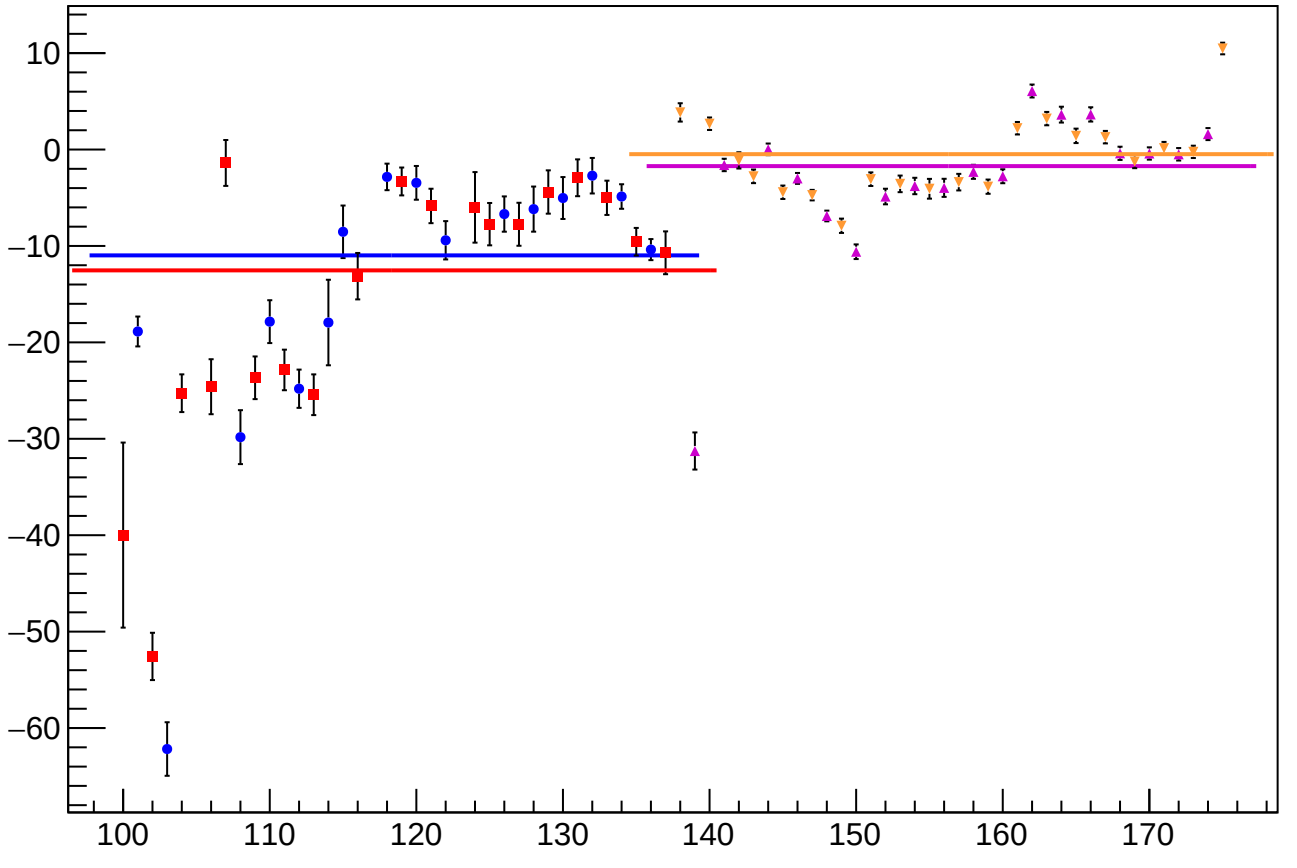
Left: -35.722+/-0.158 χ^2/NDF: 2469.0/37

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -31.811+/-0.203 χ^2/NDF:1340.4/33

Out: -34.027+/-0.194 χ^2/NDF:3093.9/38

All: -32.965+/-0.140 χ^2/NDF: 4496.5/72



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.480+/-0.158 χ^2/NDF:708.9/19

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -1.720+/-0.166 χ^2/NDF:770.4/17

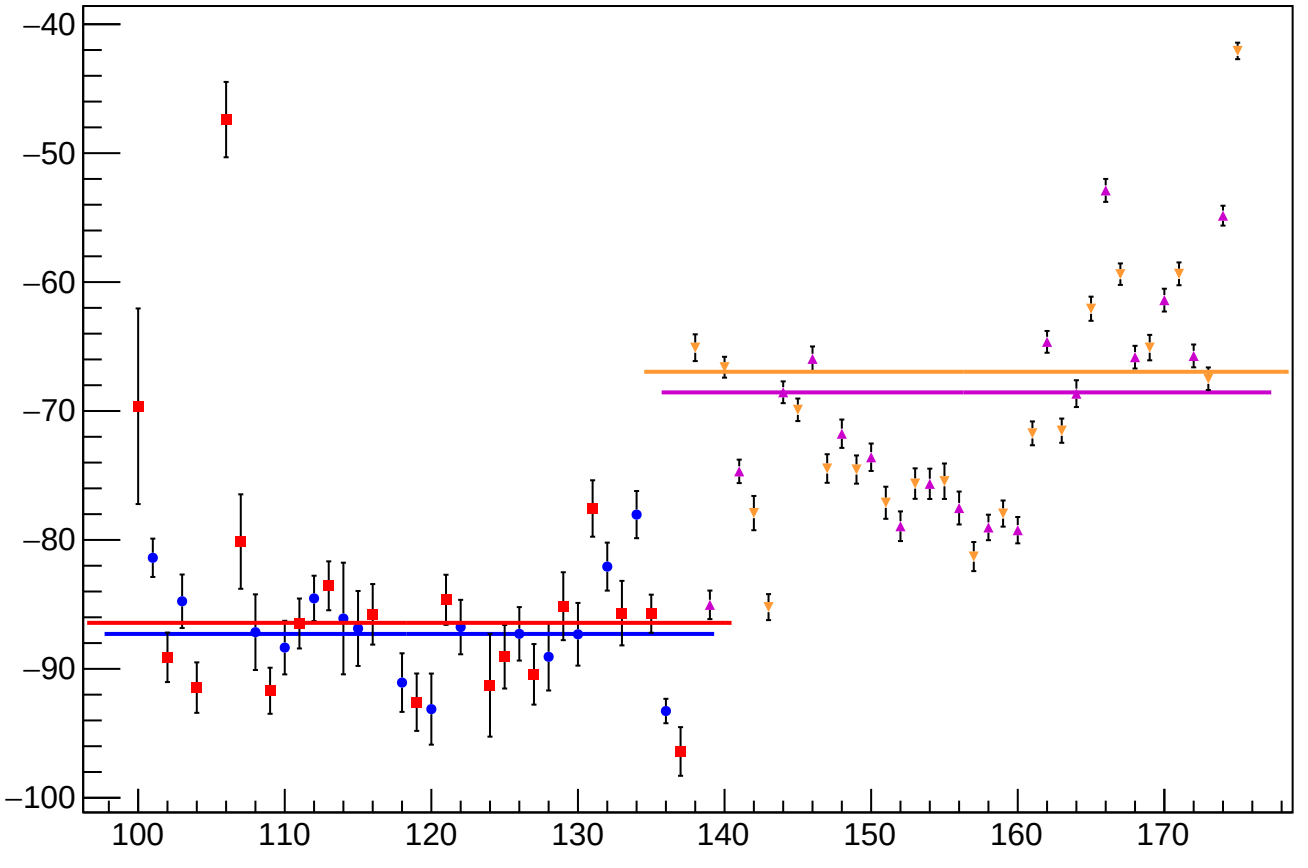
Left: -1.071+/-0.114 χ^2/NDF: 1508.6/37

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -2.812+/-0.156 χ^2/NDF:1725.6/33

Out: -1.658+/-0.150 χ^2/NDF:1847.5/38

All: -2.215+/-0.108 χ^2/NDF: 3601.6/72



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.957+/-0.215 χ^2/NDF:2692.0/19

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -68.556+/-0.227 χ^2/NDF:1426.3/17

Left: -67.715+/-0.156 χ^2/NDF: 4144.4/37

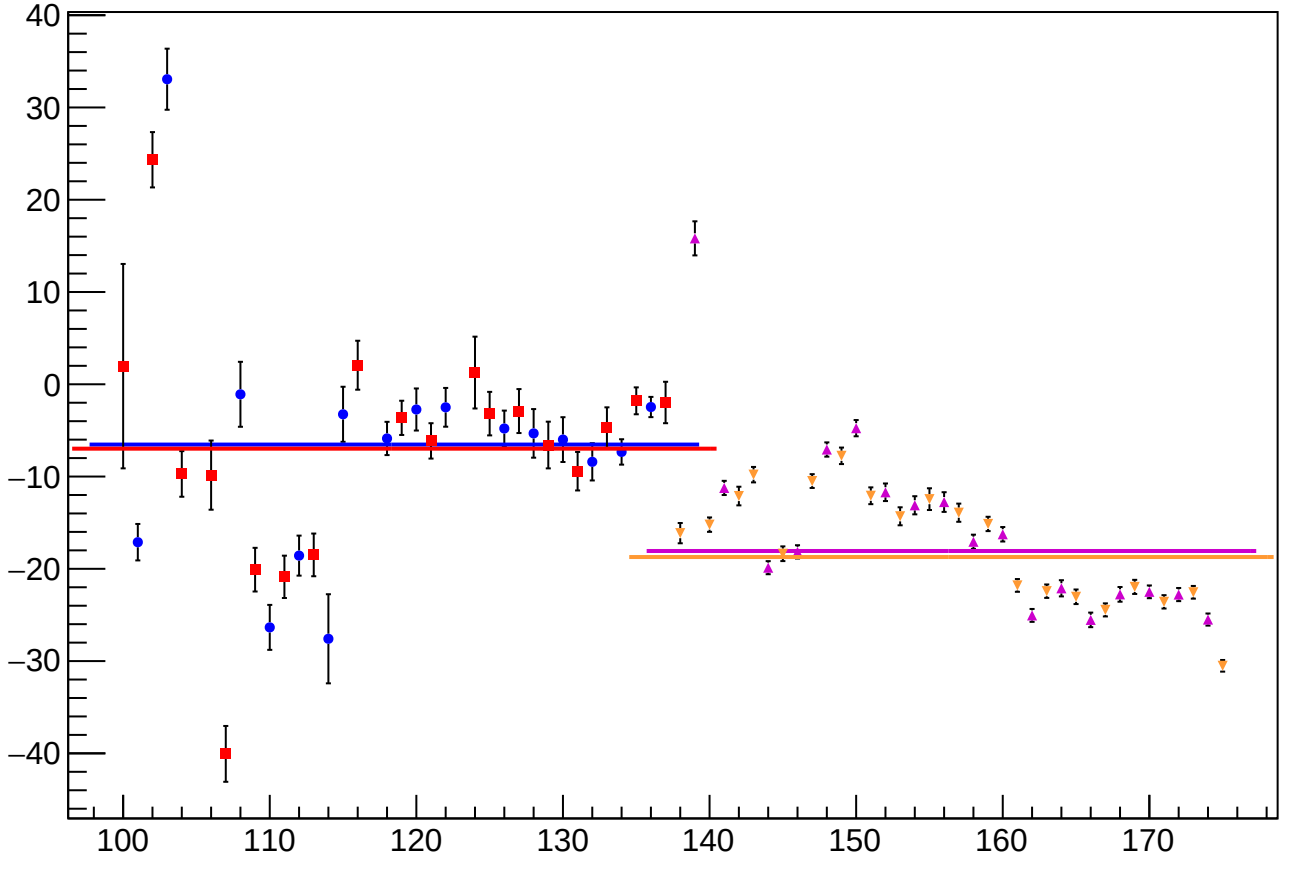
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -71.974+/-0.205 χ^2/NDF:2770.0/33

Out: -69.947+/-0.198 χ^2/NDF:4210.9/38

All: -70.925+/-0.143 χ^2/NDF: 7031.3/72

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -18.724+/-0.180 χ^2/NDF:1183.3/19

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -18.068+/-0.189 χ^2/NDF:1412.8/17

Left: -18.412+/-0.130 χ^2/NDF: 2602.4/37

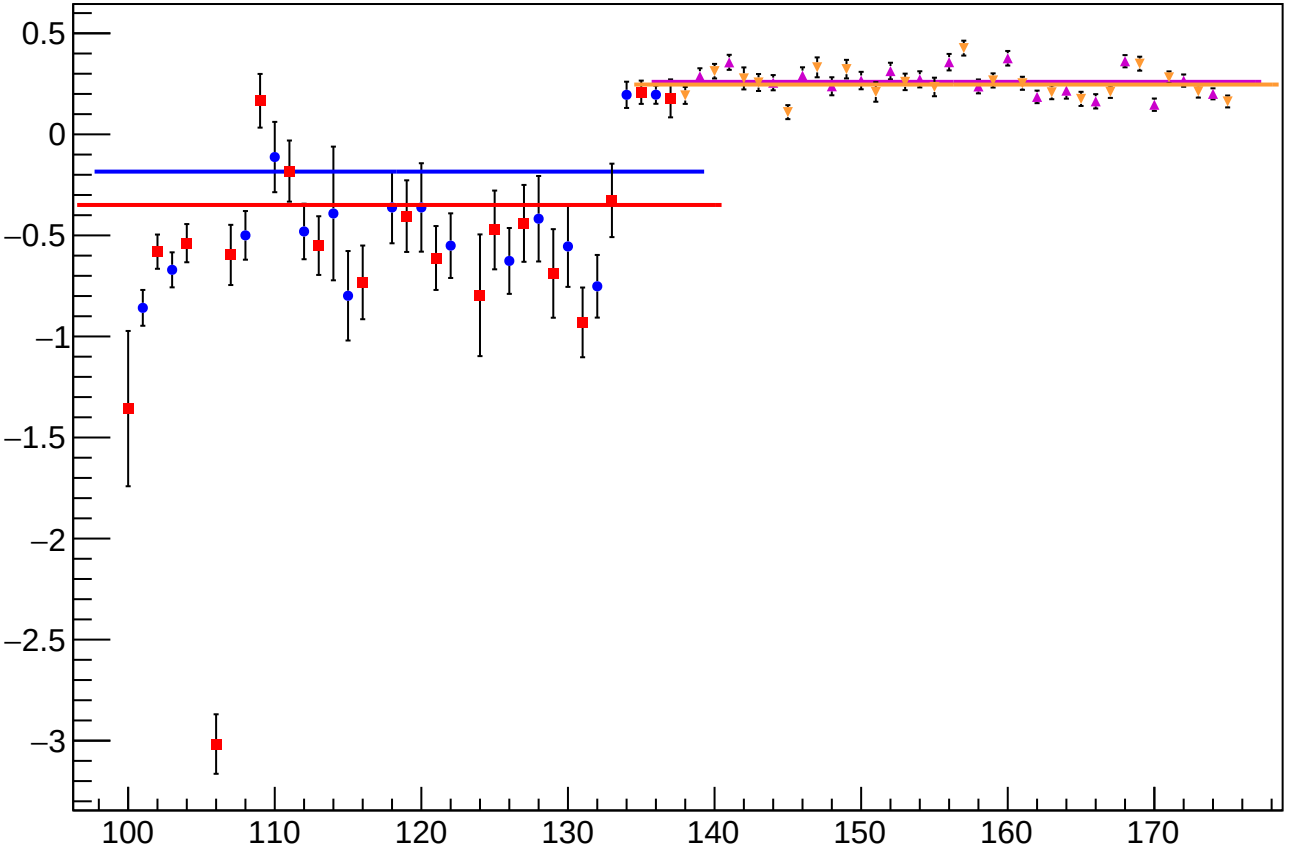
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -16.670+/-0.177 χ^2/NDF:2179.9/33

Out: -17.558+/-0.171 χ^2/NDF:1975.1/38

All: -17.130+/-0.123 χ^2/NDF: 4168.0/72

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.246+/-0.008 χ^2/NDF:78.0/19

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.260+/-0.008 χ^2/NDF:70.4/17

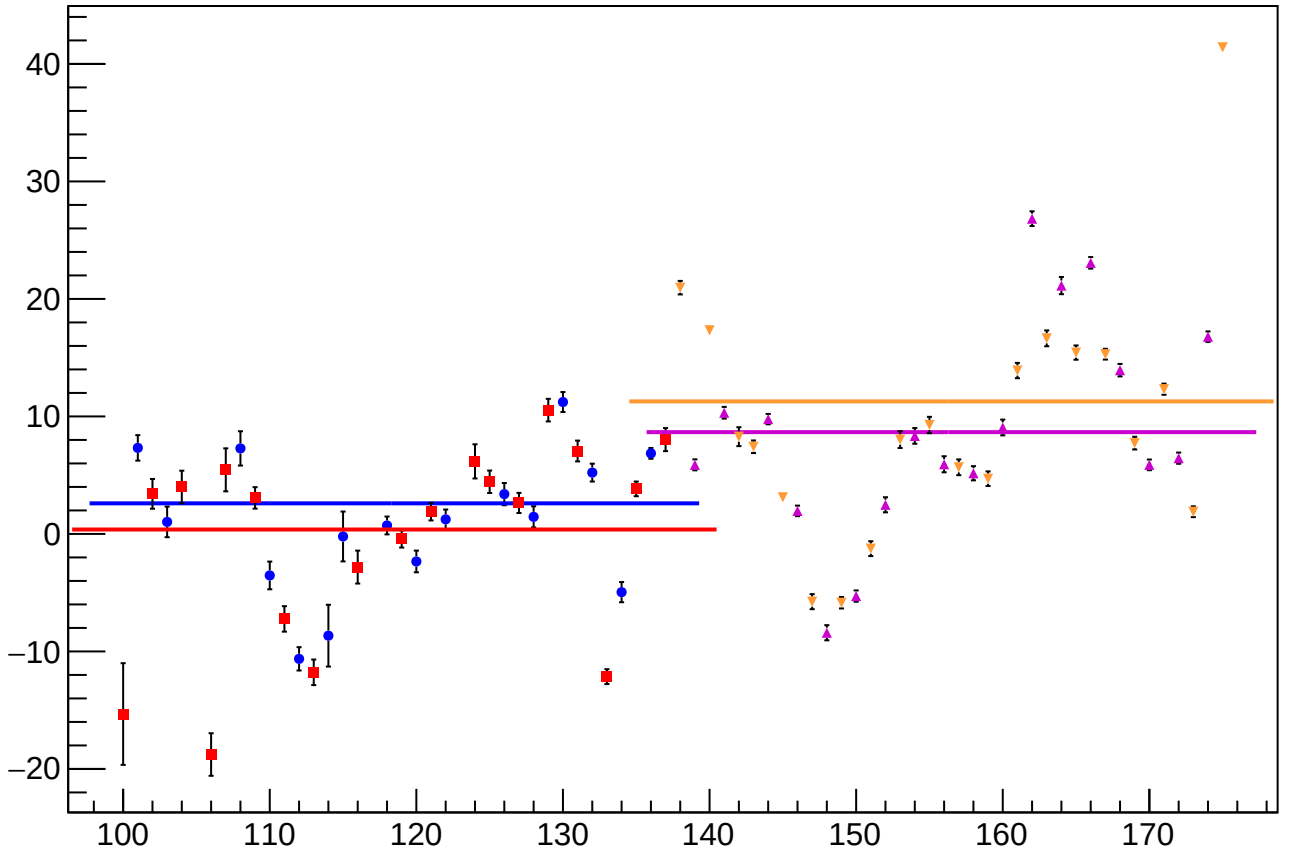
Left: 0.253+/-0.006 χ^2/NDF: 149.7/37

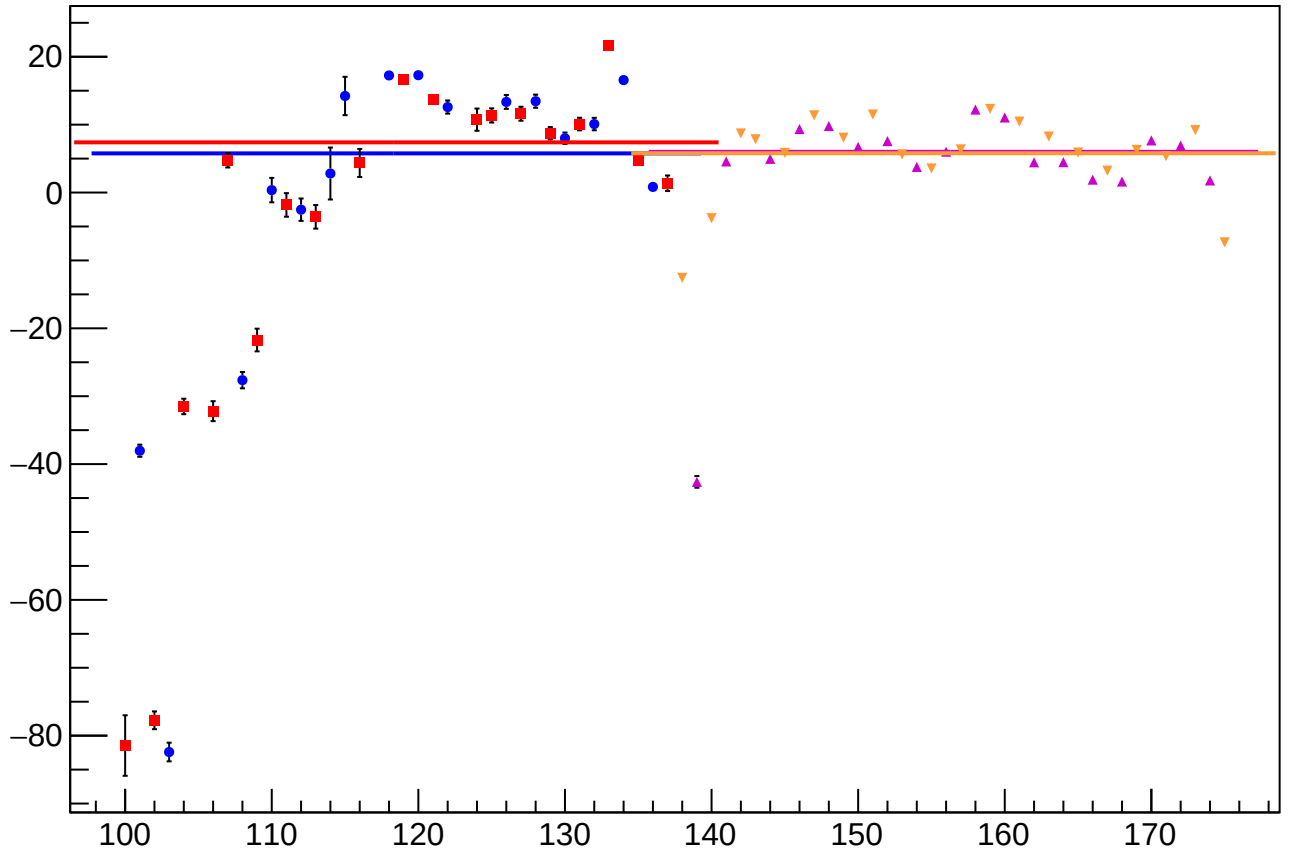
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

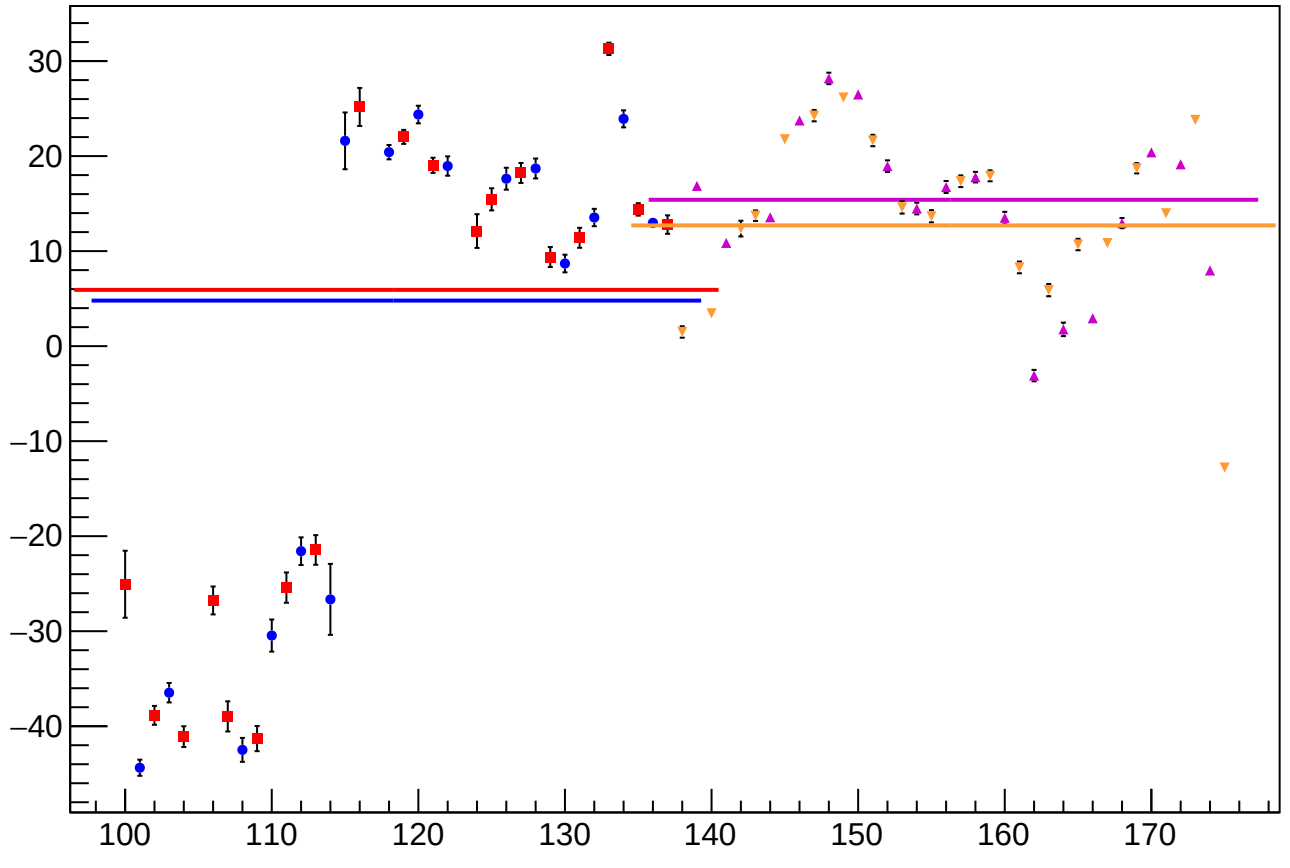
In: 0.220+/-0.008 χ^2/NDF:568.3/33

Out: 0.203+/-0.008 χ^2/NDF:977.5/38

All: 0.211+/-0.006 χ^2/NDF: 1548.0/72


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 2.604+/-0.224 χ²/NDF: 573.1/15
Left Out: 11.279+/-0.120 χ²/NDF:9986.5/19
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 8.663+/-0.125 χ²/NDF:4441.2/17
Left: 10.027+/-0.087 χ²/NDF: 14654.4/37
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 7.219+/-0.109 χ²/NDF:5571.1/33
Out: 8.812+/-0.106 χ²/NDF:12879.3/38
All: 8.043+/-0.076 χ²/NDF: 18560.1/72


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 5.768+/-0.210 χ²/NDF: 8933.8/15
Left Out: 5.785+/-0.087 χ²/NDF:4279.6/19
Right Out: 7.393+/-0.209 χ²/NDF: 8390.6/18
Left In: 5.996+/-0.091 χ²/NDF:4301.7/17
Left: 5.886+/-0.063 χ²/NDF: 8584.0/37
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 5.959+/-0.084 χ²/NDF:13236.5/33
Out: 6.025+/-0.081 χ²/NDF:12720.6/38
All: 5.994+/-0.058 χ²/NDF: 25957.4/72



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.706+/-0.119 χ^2/NDF:7957.1/19

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.404+/-0.124 χ^2/NDF:3968.8/17

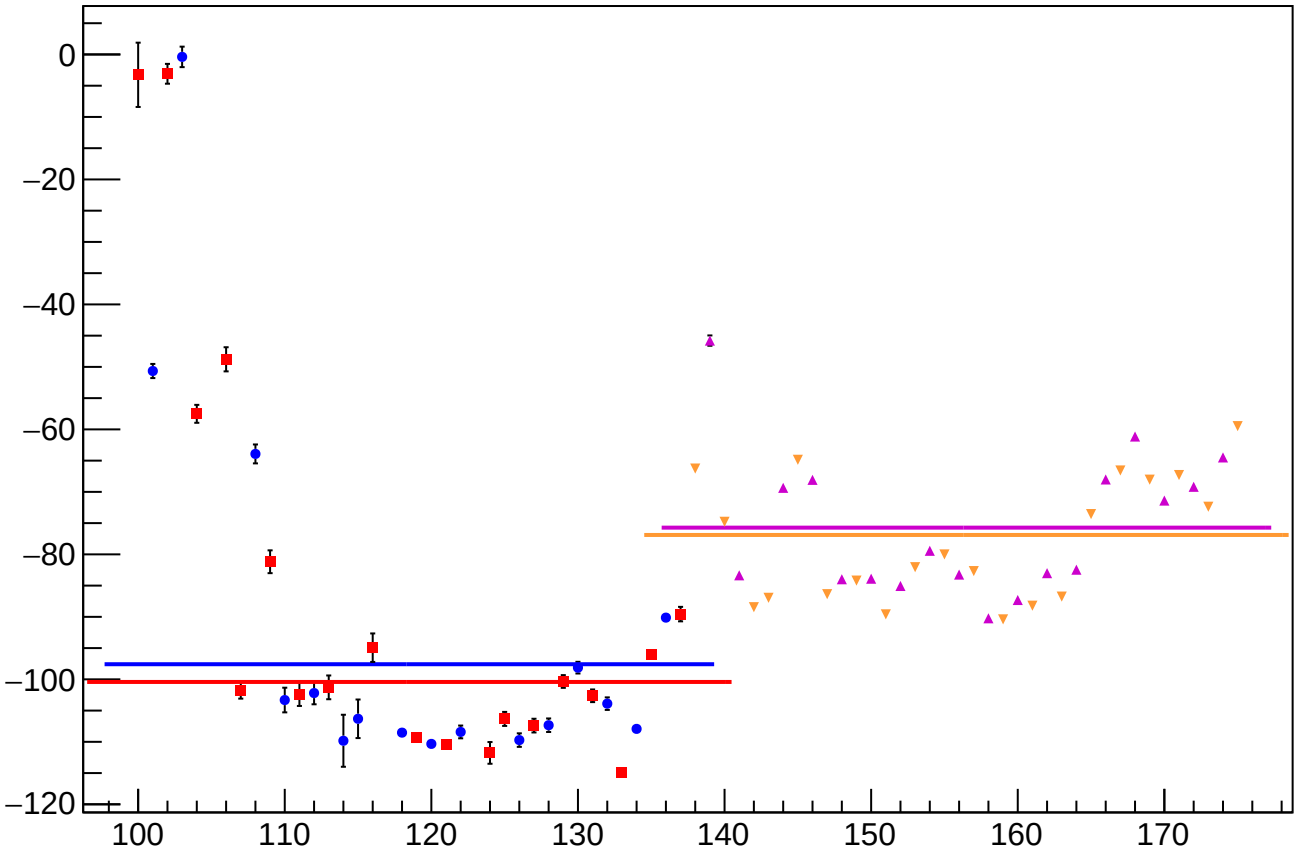
Left: 14.000+/-0.086 χ^2/NDF: 12172.6/37

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.131+/-0.110 χ^2/NDF:15035.2/33

Out: 11.367+/-0.107 χ^2/NDF:18658.7/38

All: 12.222+/-0.076 χ^2/NDF: 33826.7/72



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.895+/-0.100 χ^2/NDF:9852.4/19

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -75.724+/-0.104 χ^2/NDF:8253.7/17

Left: -76.335+/-0.072 χ^2/NDF: 18171.9/37

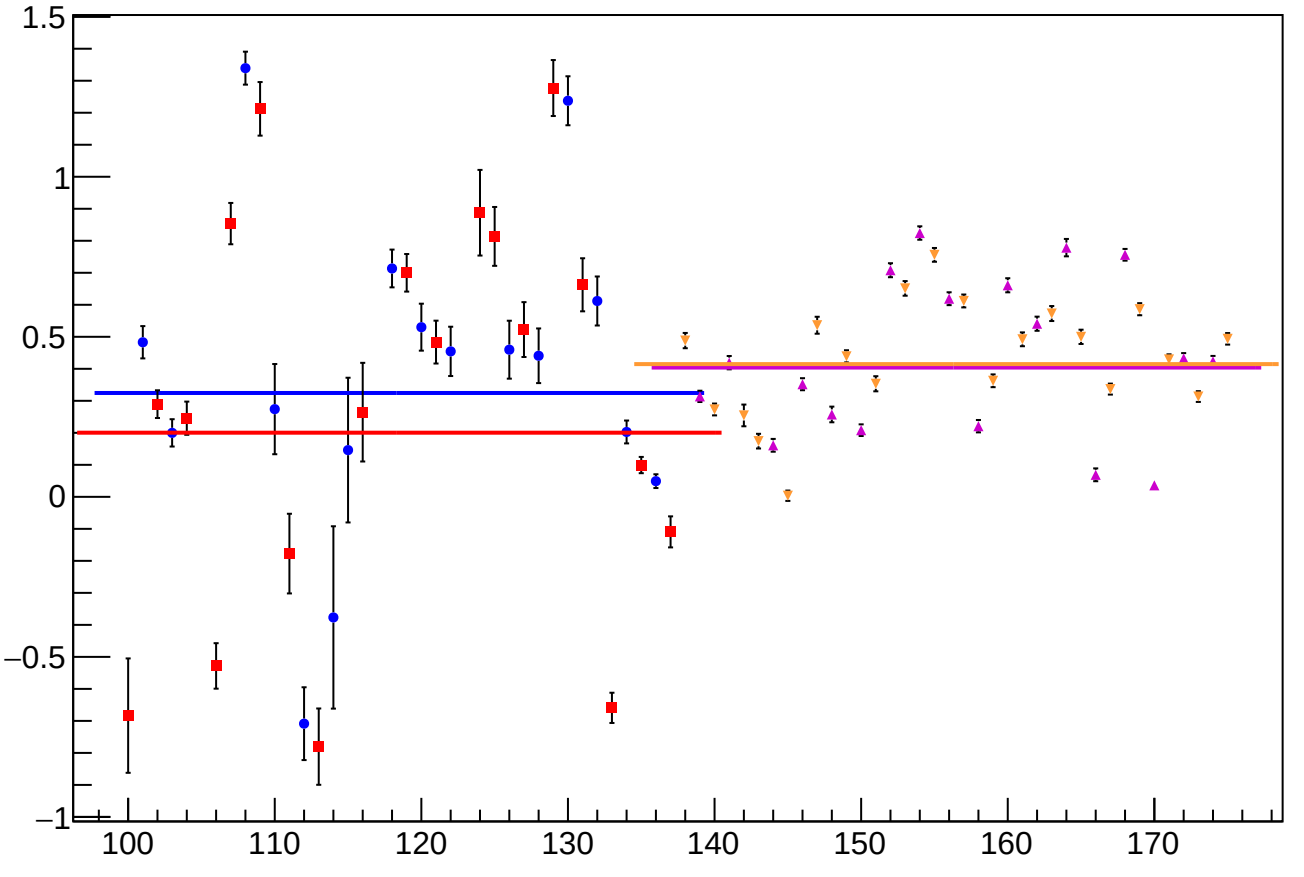
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -79.155+/-0.096 χ^2/NDF:22292.5/33

Out: -80.347+/-0.092 χ^2/NDF:25098.2/38

All: -79.773+/-0.066 χ^2/NDF: 47471.0/72

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.415+/-0.005 χ^2/NDF:1568.7/19

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.404+/-0.005 χ^2/NDF:2698.4/17

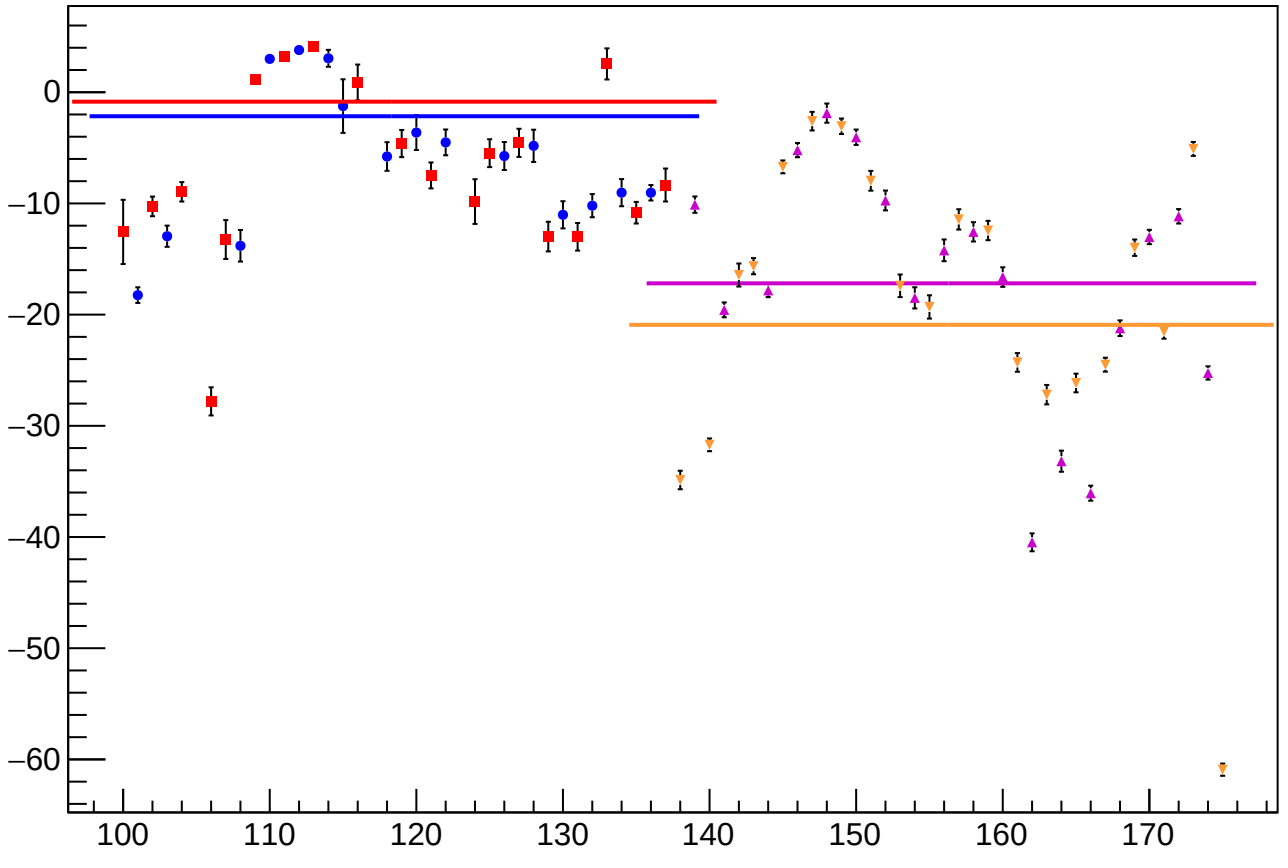
Left: 0.409+/-0.003 χ^2/NDF: 4269.9/37

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.395+/-0.004 χ^2/NDF:3616.8/33

Out: 0.394+/-0.004 χ^2/NDF:2991.4/38

All: 0.395+/-0.003 χ^2/NDF: 6608.3/72



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -20.919+/-0.166 χ^2/NDF:9017.2/19

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -17.186+/-0.174 χ^2/NDF:3481.5/17

Left: -19.136+/-0.120 χ^2/NDF: 12739.2/37

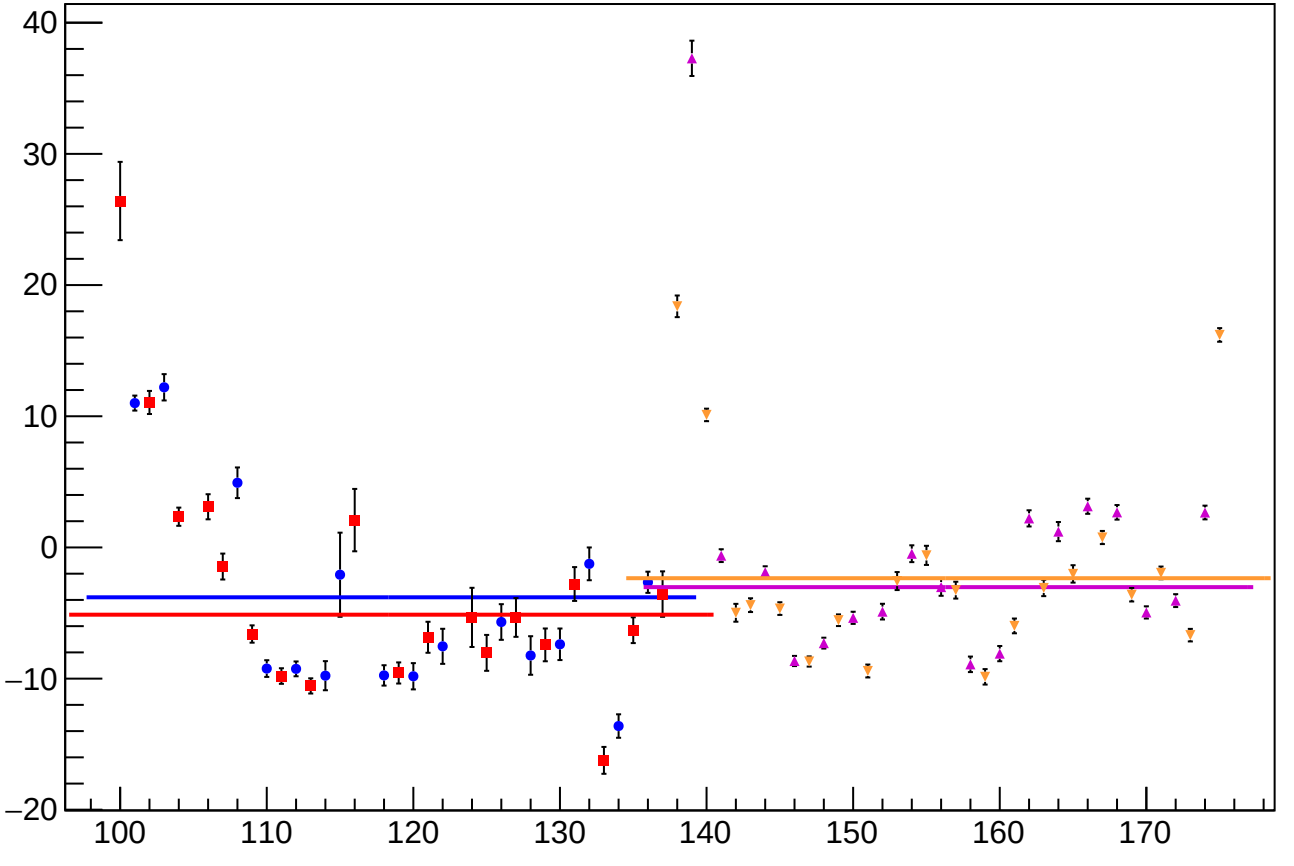
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -10.411+/-0.129 χ^2/NDF:8336.8/33

Out: -11.124+/-0.119 χ^2/NDF:17586.0/38

All: -10.796+/-0.087 χ^2/NDF: 25939.3/72

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.344+/-0.120 χ^2/NDF:3502.4/19

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.025+/-0.126 χ^2/NDF:1934.1/17

Left: -2.670+/-0.087 χ^2/NDF: 5451.8/37

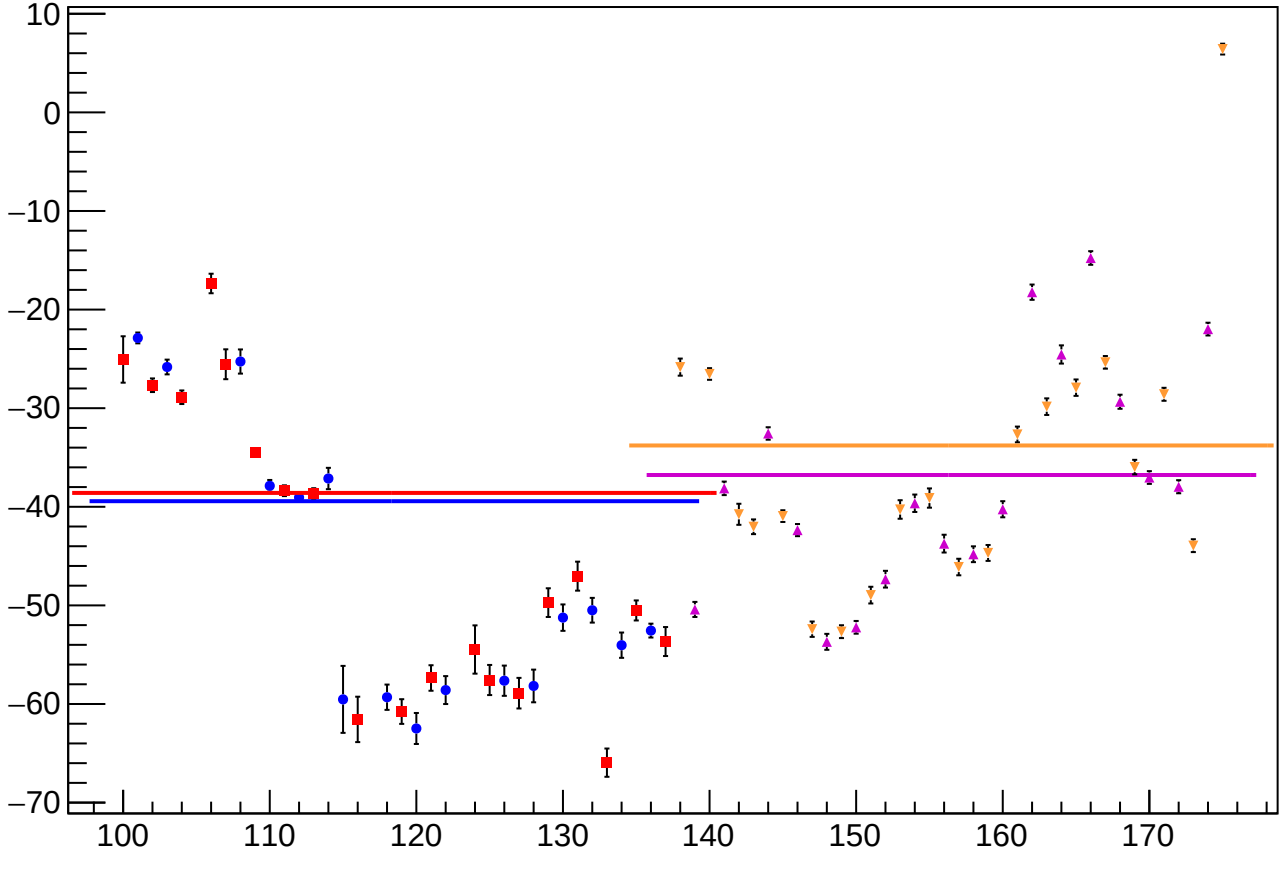
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.209+/-0.110 χ^2/NDF:3368.6/33

Out: -2.990+/-0.105 χ^2/NDF:4607.1/38

All: -3.095+/-0.076 χ^2/NDF: 7977.8/72

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.781+/-0.165 χ^2/NDF:8659.5/19

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -36.776+/-0.172 χ^2/NDF:4198.9/17

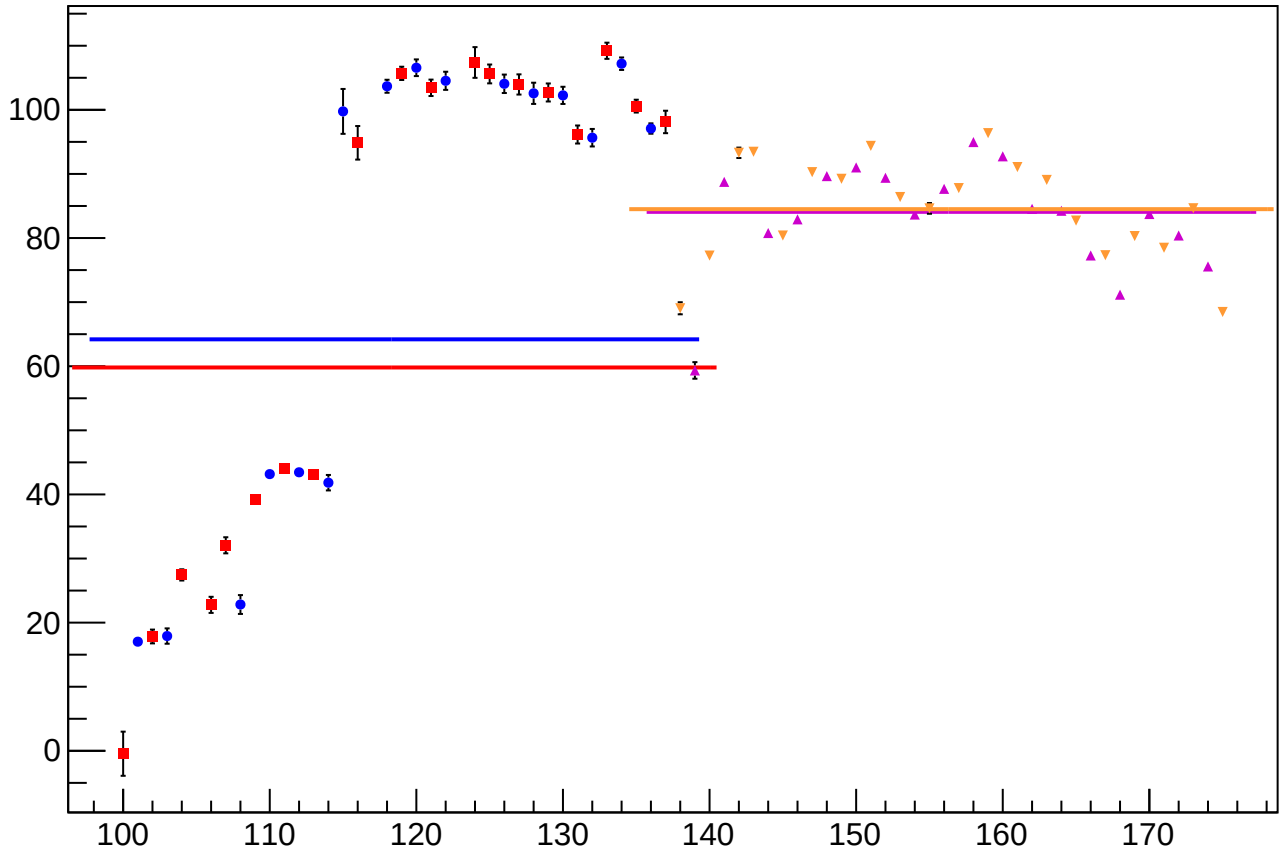
Left: -35.213+/-0.119 χ^2/NDF: 13016.6/37

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -37.753+/-0.137 χ^2/NDF:7244.7/33

Out: -35.586+/-0.130 χ^2/NDF:11751.9/38

All: -36.616+/-0.094 χ^2/NDF: 19128.4/72



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.505+/-0.138 χ^2/NDF:3042.1/19

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.086+/-0.144 χ^2/NDF:2122.8/17

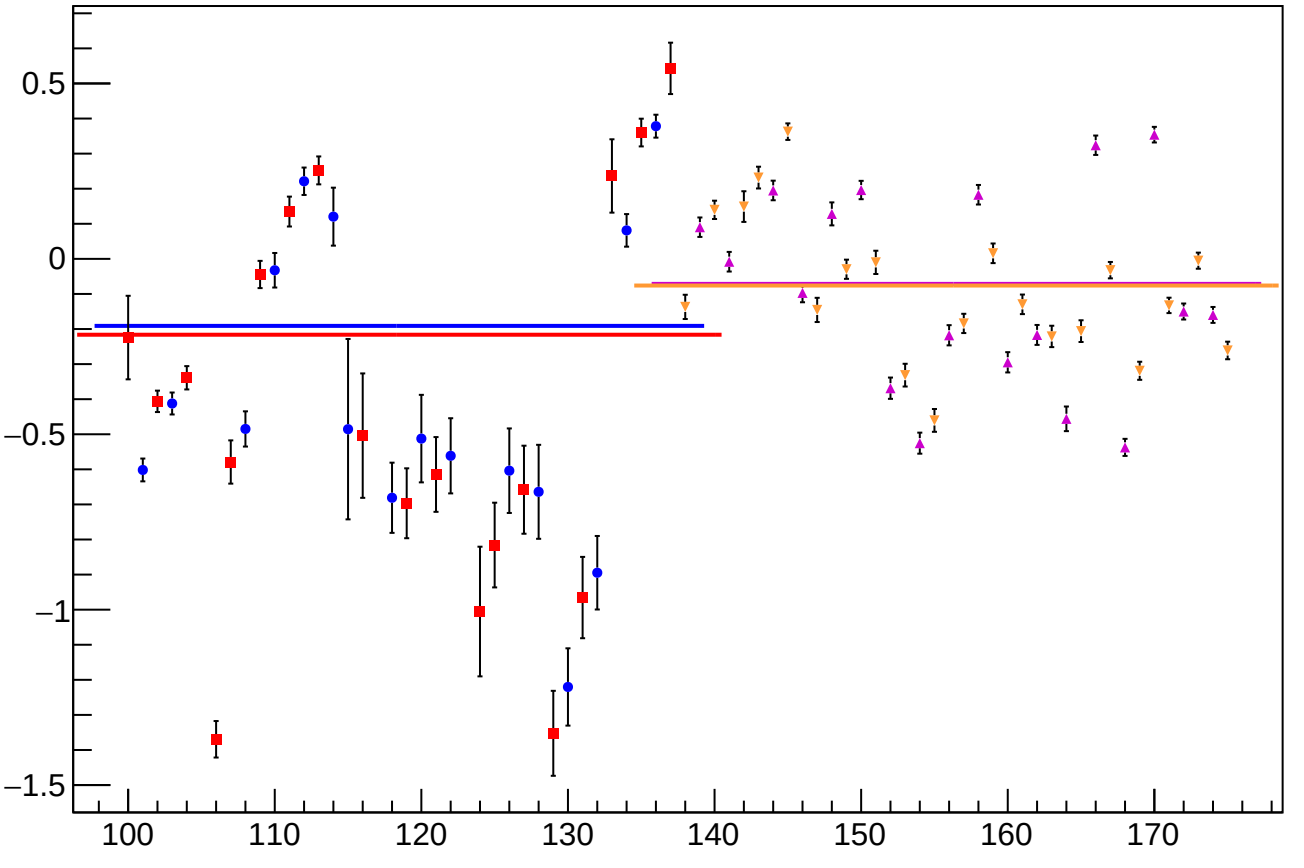
Left: 84.305+/-0.099 χ^2/NDF: 5169.3/37

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.363+/-0.125 χ^2/NDF:25268.9/33

Out: 78.719+/-0.120 χ^2/NDF:28023.9/38

All: 79.027+/-0.087 χ^2/NDF: 53306.5/72



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.076+/-0.006 χ^2/NDF:989.4/19

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.071+/-0.006 χ^2/NDF:1876.3/17

Left: -0.074+/-0.004 χ^2/NDF: 2865.9/37

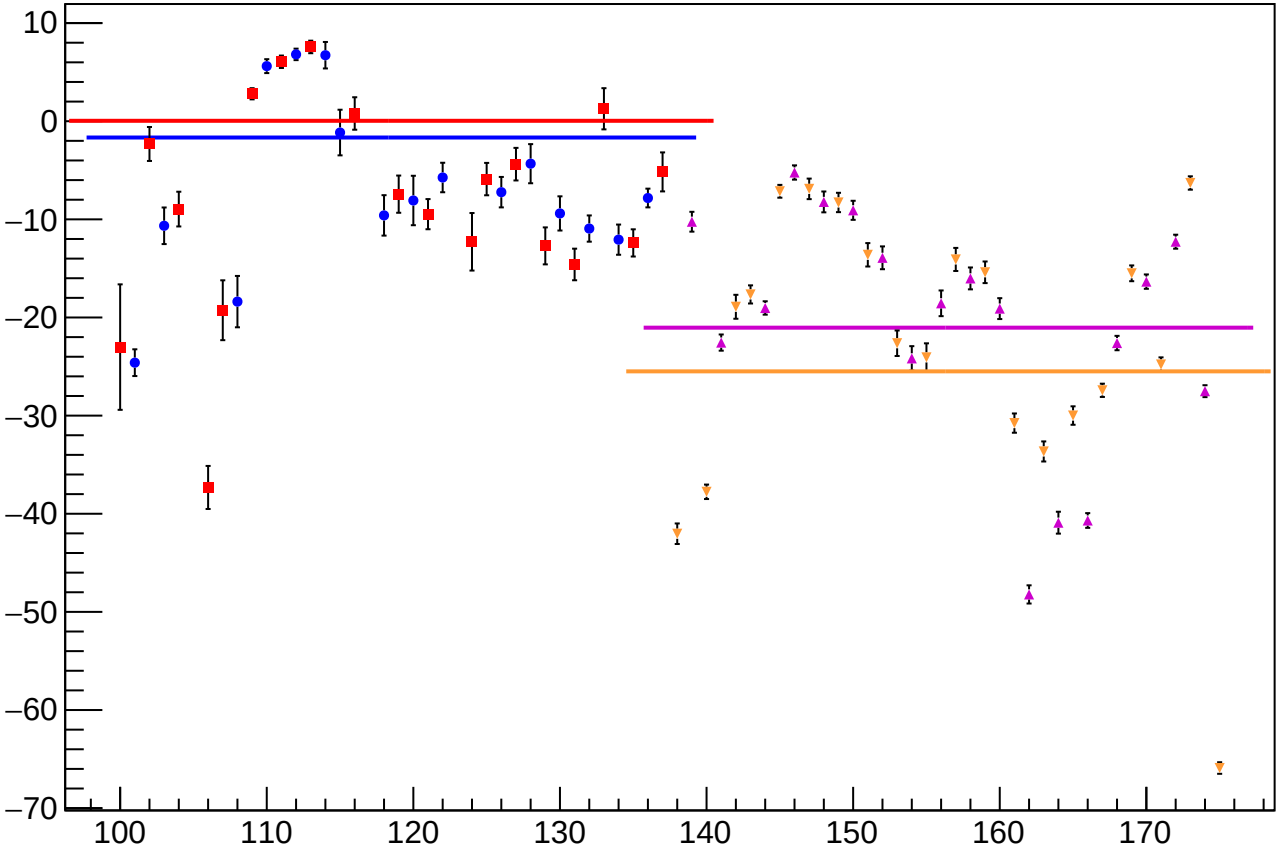
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.093+/-0.006 χ^2/NDF:2859.4/33

Out: -0.103+/-0.006 χ^2/NDF:2452.7/38

All: -0.098+/-0.004 χ^2/NDF: 5313.3/72

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -25.490+/-0.196 χ^2/NDF:8100.2/19

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -21.038+/-0.203 χ^2/NDF:3139.9/17

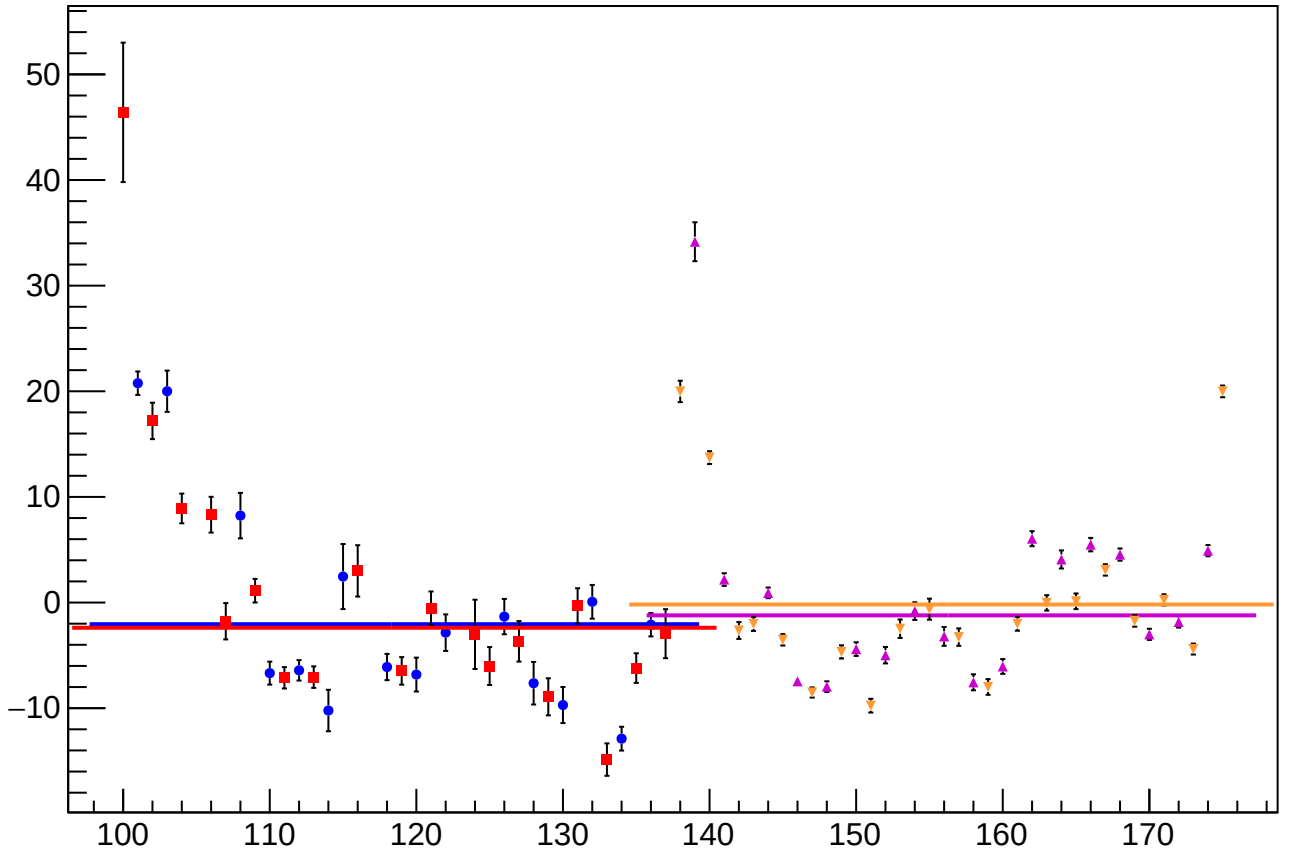
Left: -23.343+/-0.141 χ^2/NDF: 11488.8/37

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -15.166+/-0.170 χ^2/NDF:6797.6/33

Out: -17.167+/-0.161 χ^2/NDF:14560.0/38

All: -16.219+/-0.117 χ^2/NDF: 21430.8/72



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -0.184+/-0.143 χ^2/NDF:3111.1/19

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.214+/-0.147 χ^2/NDF:1475.5/17

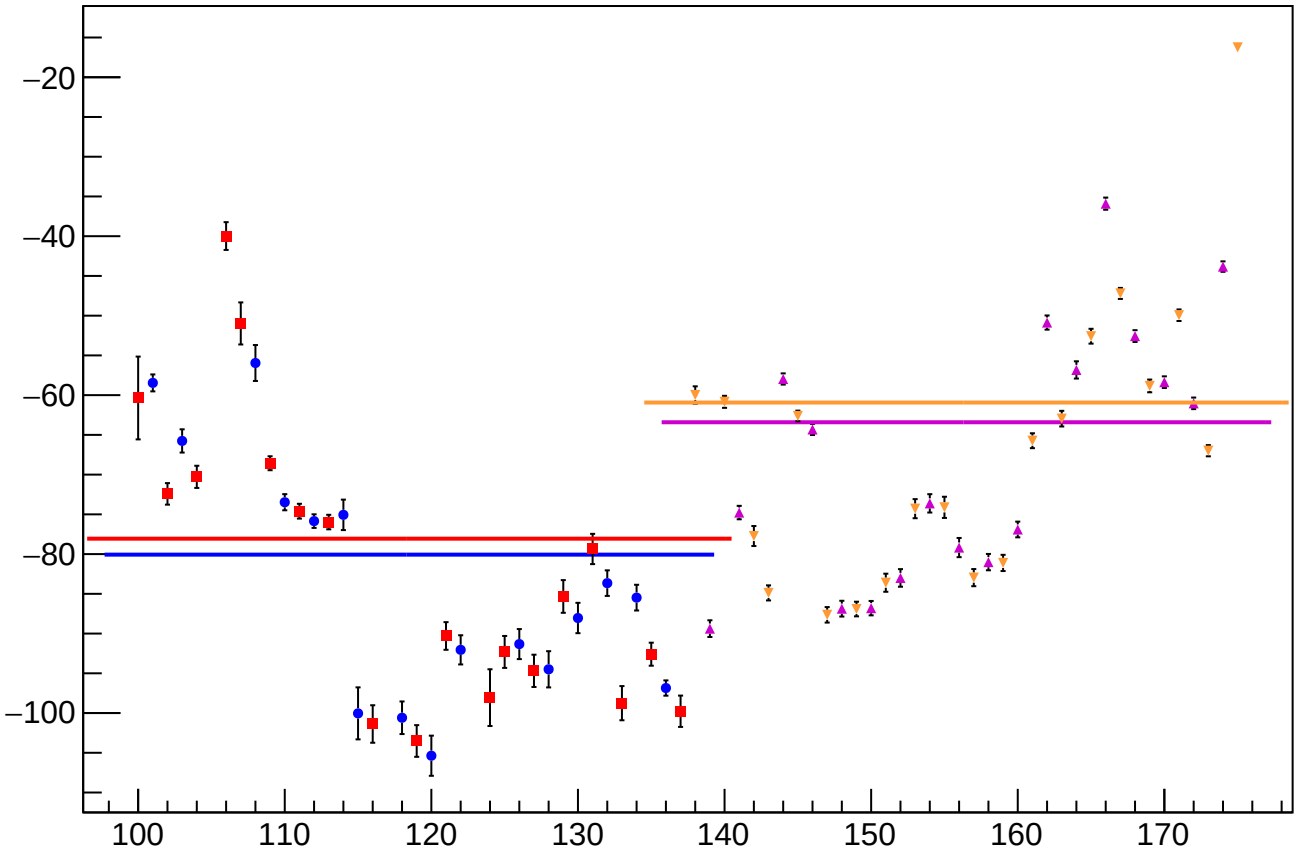
Left: -0.685+/-0.103 χ^2/NDF: 4611.8/37

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -1.336+/-0.136 χ^2/NDF:2252.1/33

Out: -0.492+/-0.133 χ^2/NDF:3595.1/38

All: -0.903+/-0.095 χ^2/NDF: 5866.9/72



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.930+/-0.195 χ^2/NDF:10351.0/19

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -63.412+/-0.202 χ^2/NDF:5800.4/17

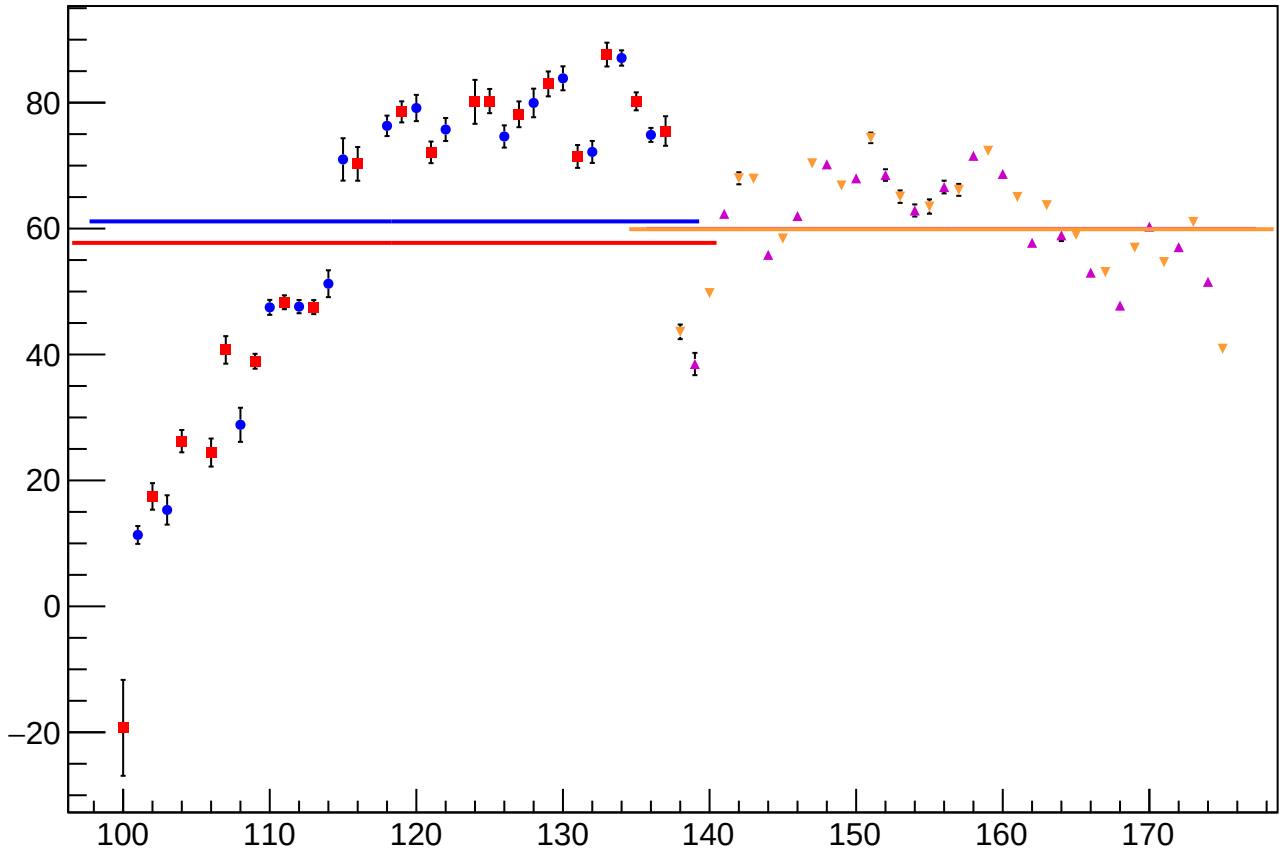
Left: -62.126+/-0.140 χ^2/NDF: 16229.5/37

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -67.328+/-0.177 χ^2/NDF:8785.6/33

Out: -64.922+/-0.171 χ^2/NDF:13712.7/38

All: -66.084+/-0.123 χ^2/NDF: 22594.3/72



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.899+/-0.163 χ^2/NDF:2925.1/19

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 59.943+/-0.168 χ^2/NDF:1726.7/17

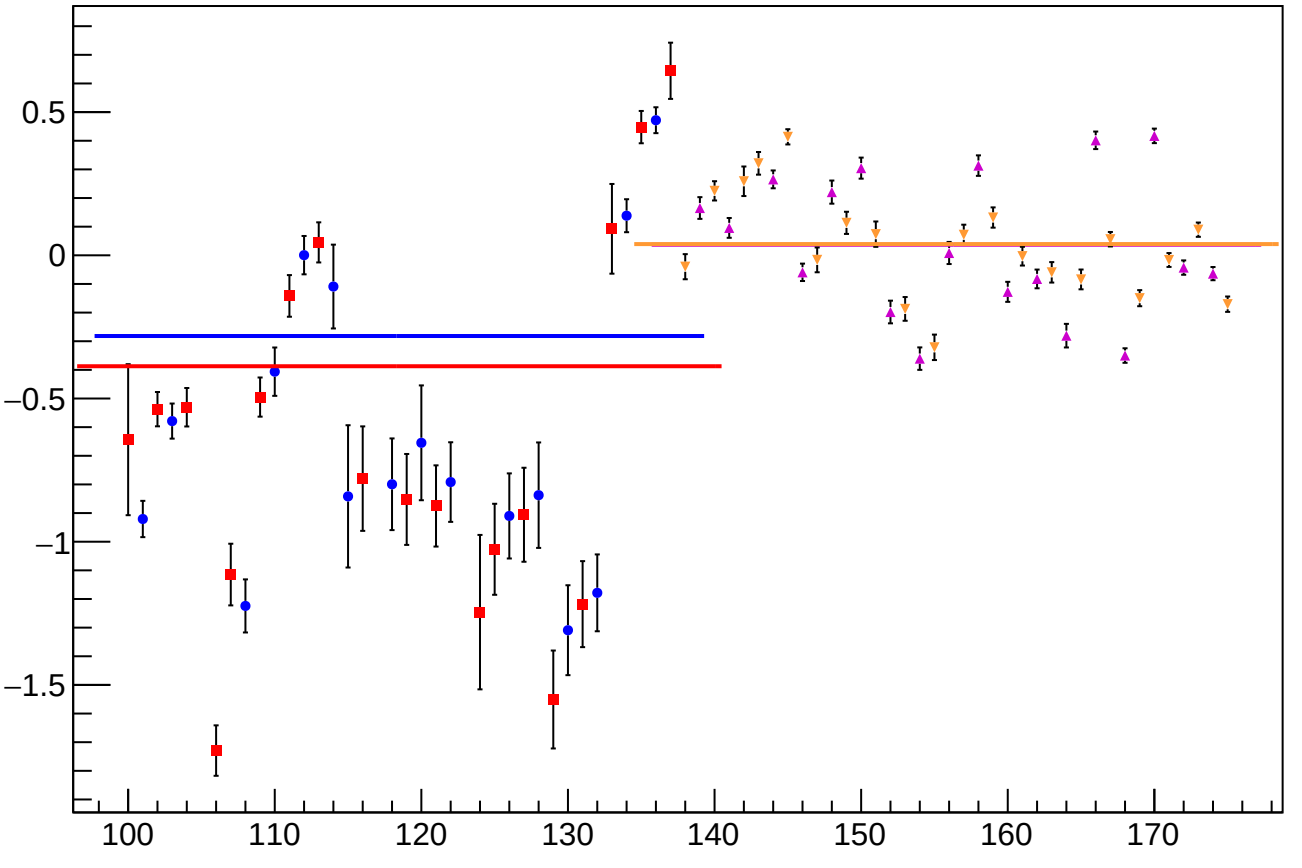
Left: 59.920+/-0.117 χ^2/NDF: 4651.8/37

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.122+/-0.155 χ^2/NDF:4963.5/33

Out: 59.591+/-0.151 χ^2/NDF:5726.0/38

All: 59.849+/-0.108 χ^2/NDF: 10695.5/72



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.039+/-0.007 χ^2/NDF:548.1/19

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.037+/-0.008 χ^2/NDF:1073.4/17

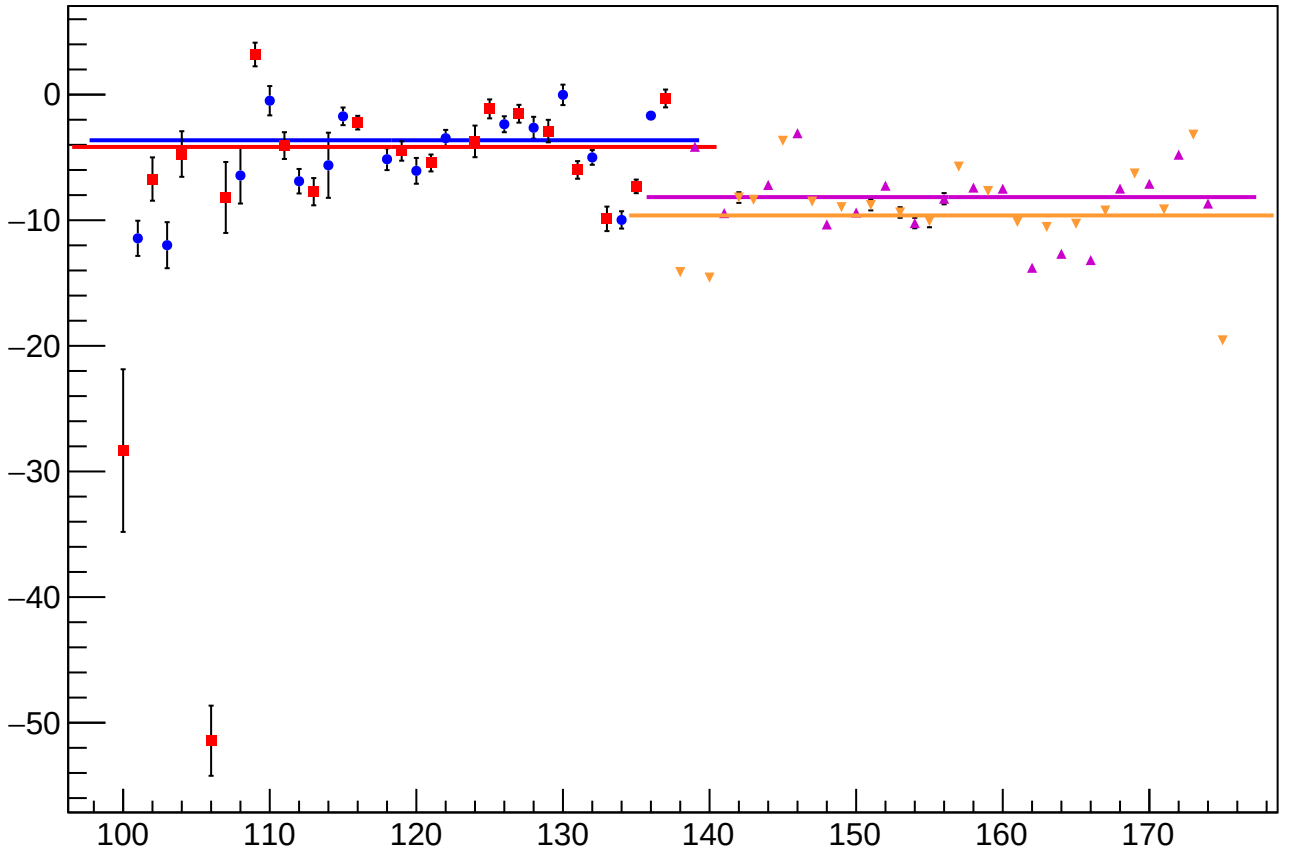
Left: 0.038+/-0.005 χ^2/NDF: 1621.5/37

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.003+/-0.007 χ^2/NDF:1995.2/33

Out: -0.004+/-0.007 χ^2/NDF:1707.1/38

All: -0.001+/-0.005 χ^2/NDF: 3702.8/72



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.619+/-0.064 χ^2/NDF:5468.9/19

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.159+/-0.066 χ^2/NDF:2002.6/17

Left: -8.910+/-0.046 χ^2/NDF: 7726.4/37

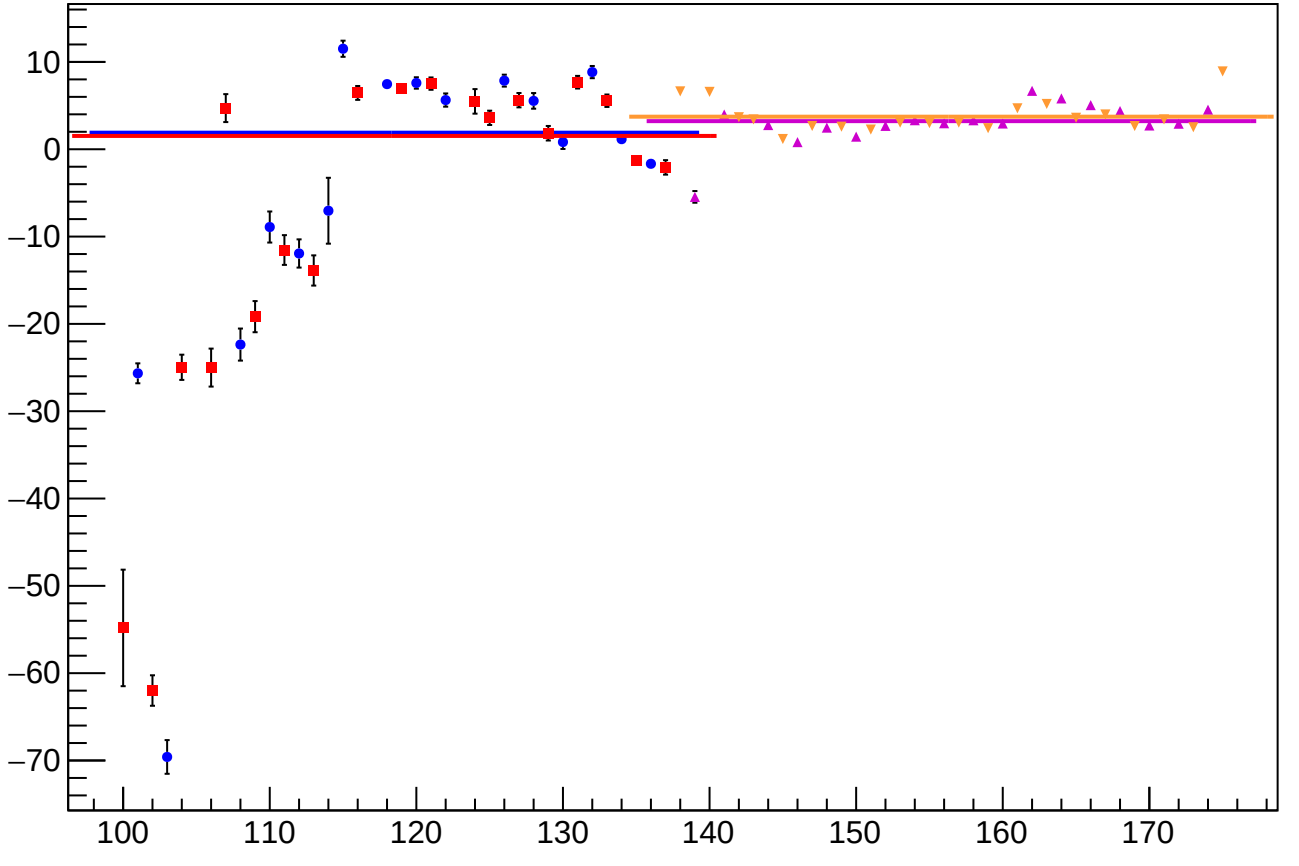
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.672+/-0.062 χ^2/NDF:2748.8/33

Out: -9.114+/-0.061 χ^2/NDF:6676.7/38

All: -8.408+/-0.043 χ^2/NDF: 9701.4/72

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.730+/-0.047 χ^2/NDF:1654.1/19

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.220+/-0.048 χ^2/NDF:1122.0/17

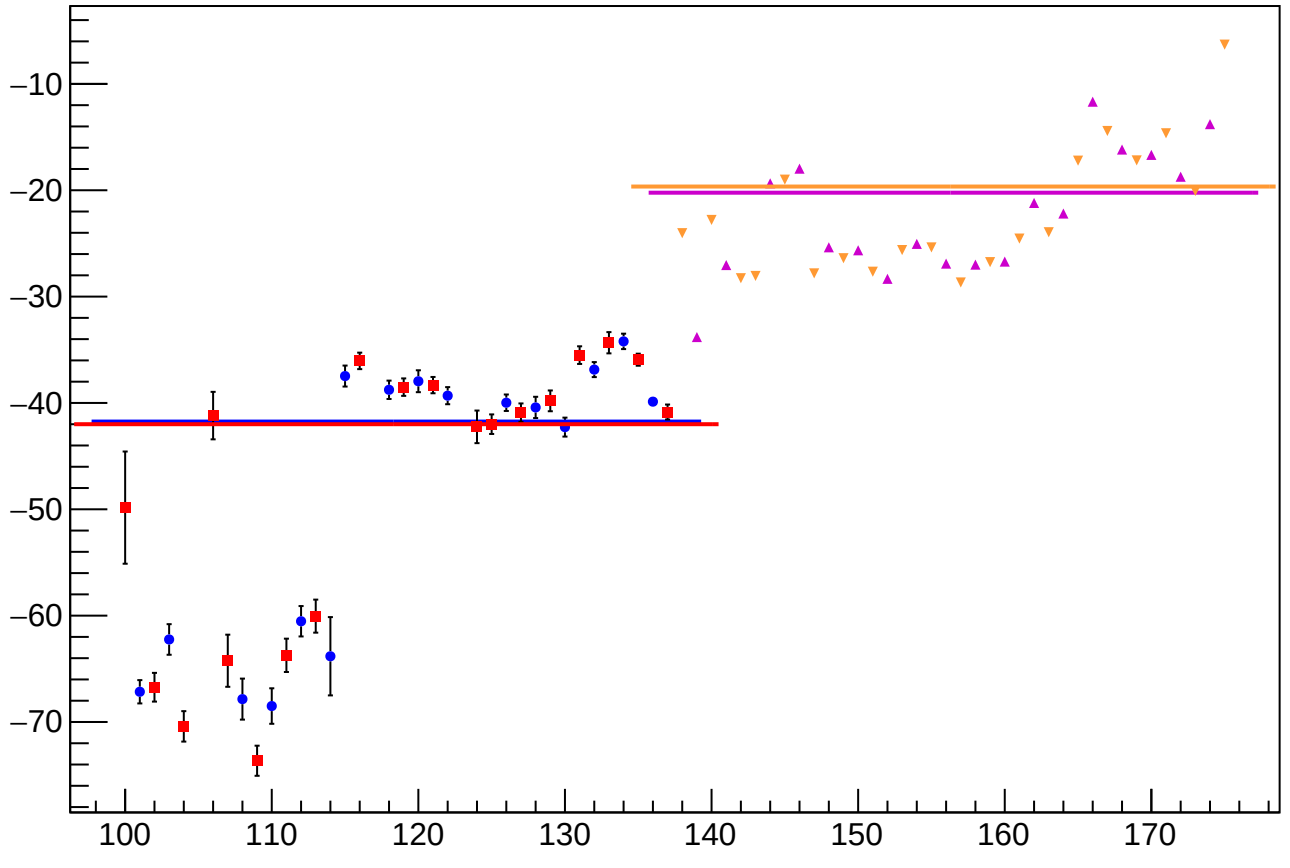
Left: 3.480+/-0.033 χ^2/NDF: 2834.3/37

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.140+/-0.046 χ^2/NDF:4006.1/33

Out: 3.624+/-0.046 χ^2/NDF:4320.6/38

All: 3.385+/-0.033 χ^2/NDF: 8381.9/72



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -19.651+/-0.063 χ^2/NDF:11102.0/19

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -20.230+/-0.065 χ^2/NDF:7026.9/17

Left: -19.932+/-0.046 χ^2/NDF: 18169.3/37

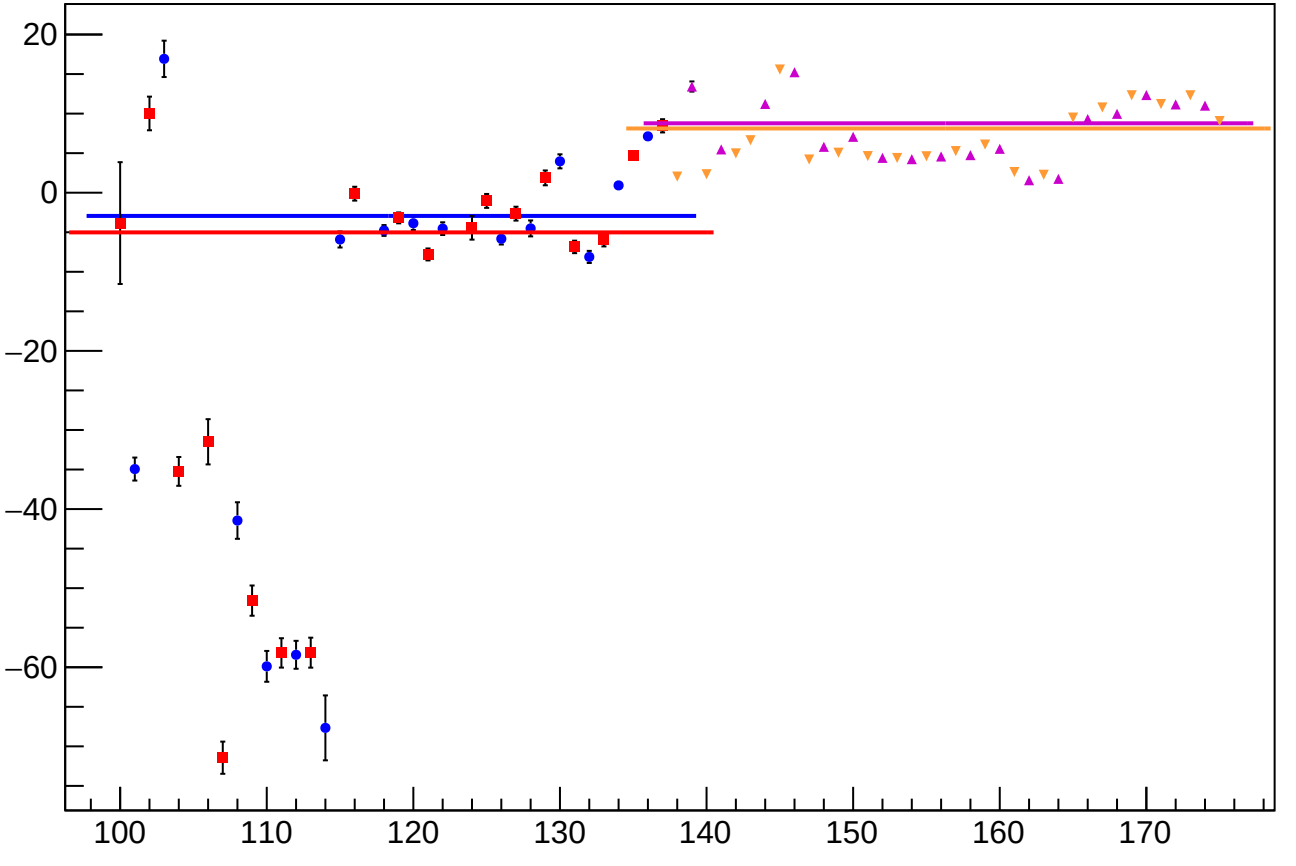
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -22.170+/-0.062 χ^2/NDF:18435.8/33

Out: -21.254+/-0.061 χ^2/NDF:21985.0/38

All: -21.703+/-0.044 χ^2/NDF: 40531.0/72

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.120+/-0.053 χ^2/NDF:5915.2/19

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.774+/-0.054 χ^2/NDF:5302.9/17

Left: 8.439+/-0.038 χ^2/NDF: 11292.7/37

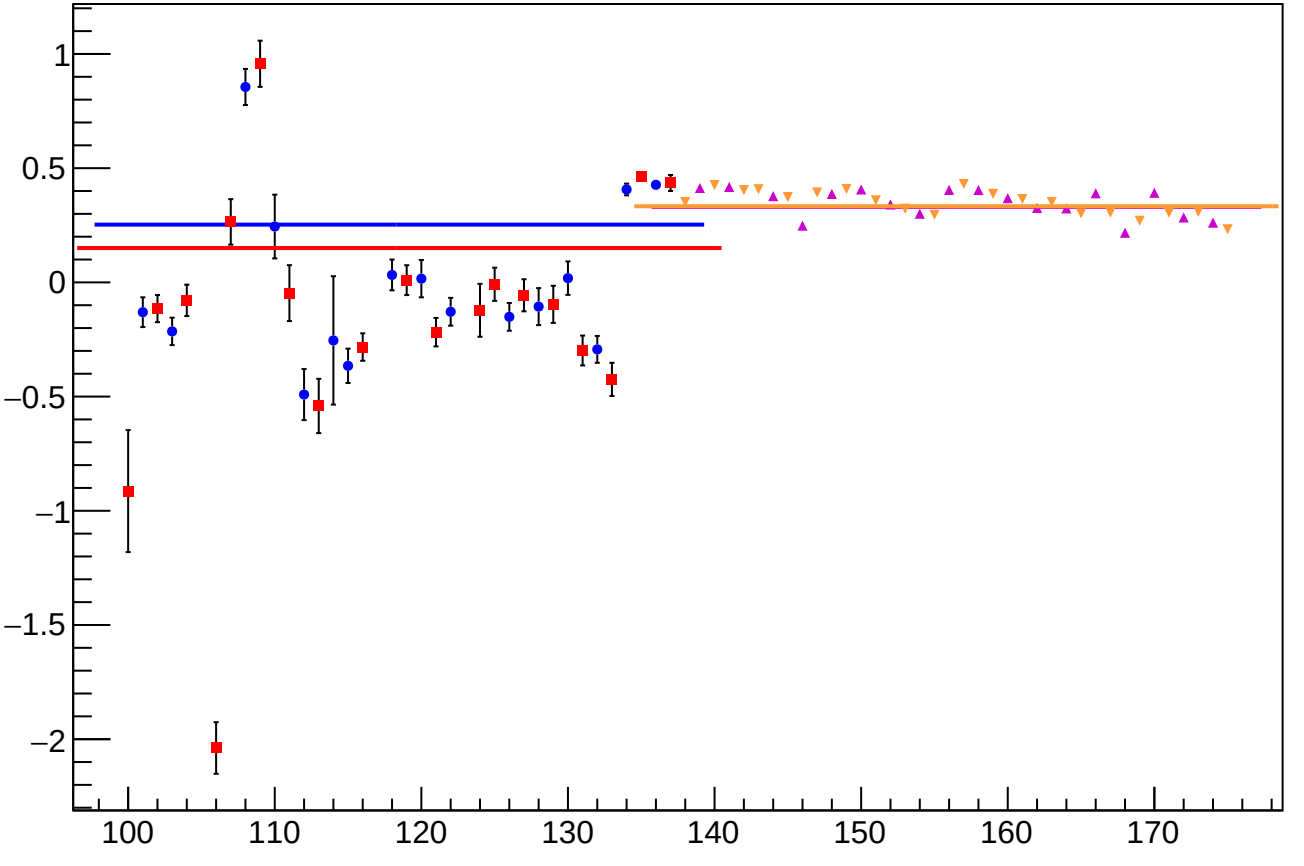
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.039+/-0.053 χ^2/NDF:11952.4/33

Out: 7.469+/-0.052 χ^2/NDF:13345.8/38

All: 7.749+/-0.037 χ^2/NDF: 25358.2/72

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.333+/-0.002 χ^2/NDF:526.4/19

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.330+/-0.002 χ^2/NDF:762.7/17

Left: 0.332+/-0.002 χ^2/NDF: 1289.8/37

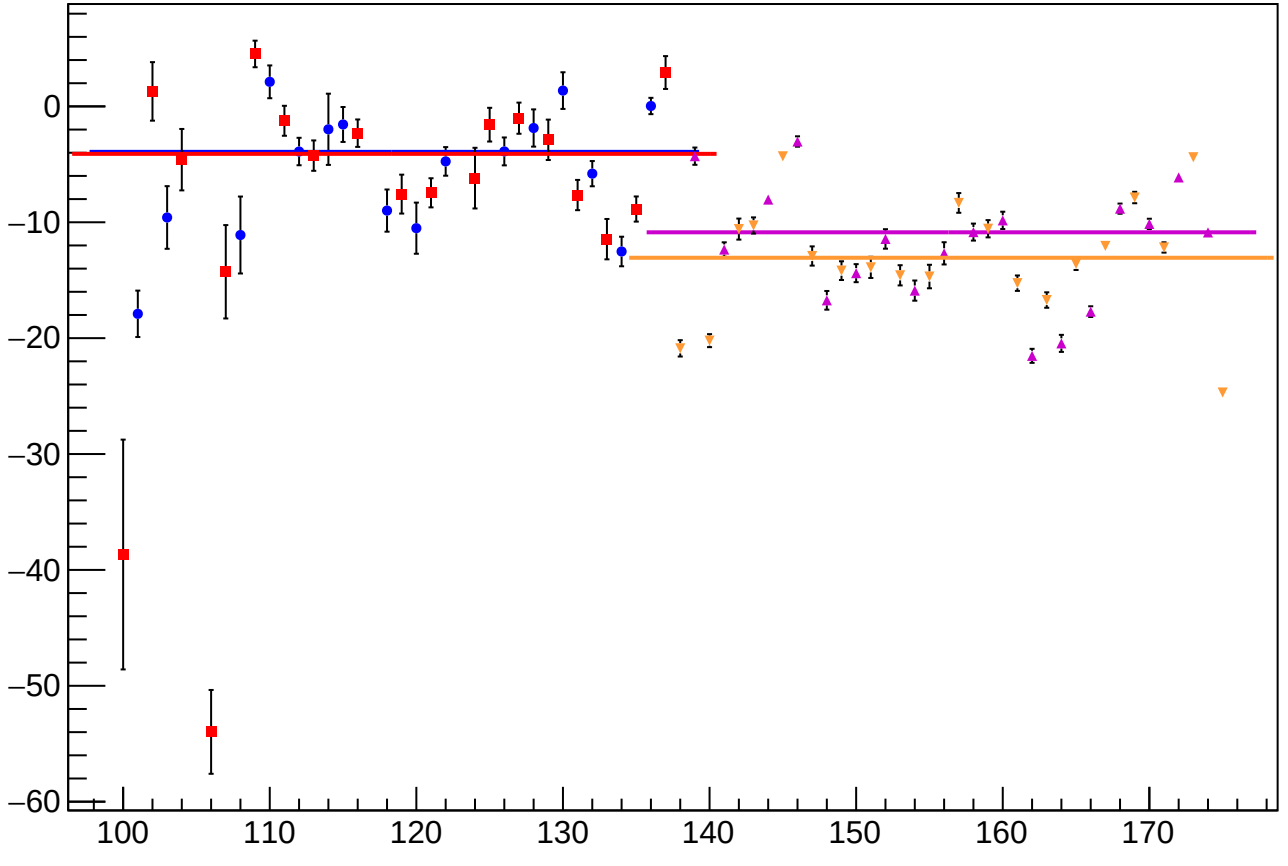
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.327+/-0.002 χ^2/NDF:1437.4/33

Out: 0.328+/-0.002 χ^2/NDF:1726.2/38

All: 0.327+/-0.002 χ^2/NDF: 3163.6/72

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.063+/-0.127 χ^2/NDF:2584.7/19

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -10.866+/-0.131 χ^2/NDF:1389.2/17

Left: -11.995+/-0.091 χ^2/NDF: 4119.0/37

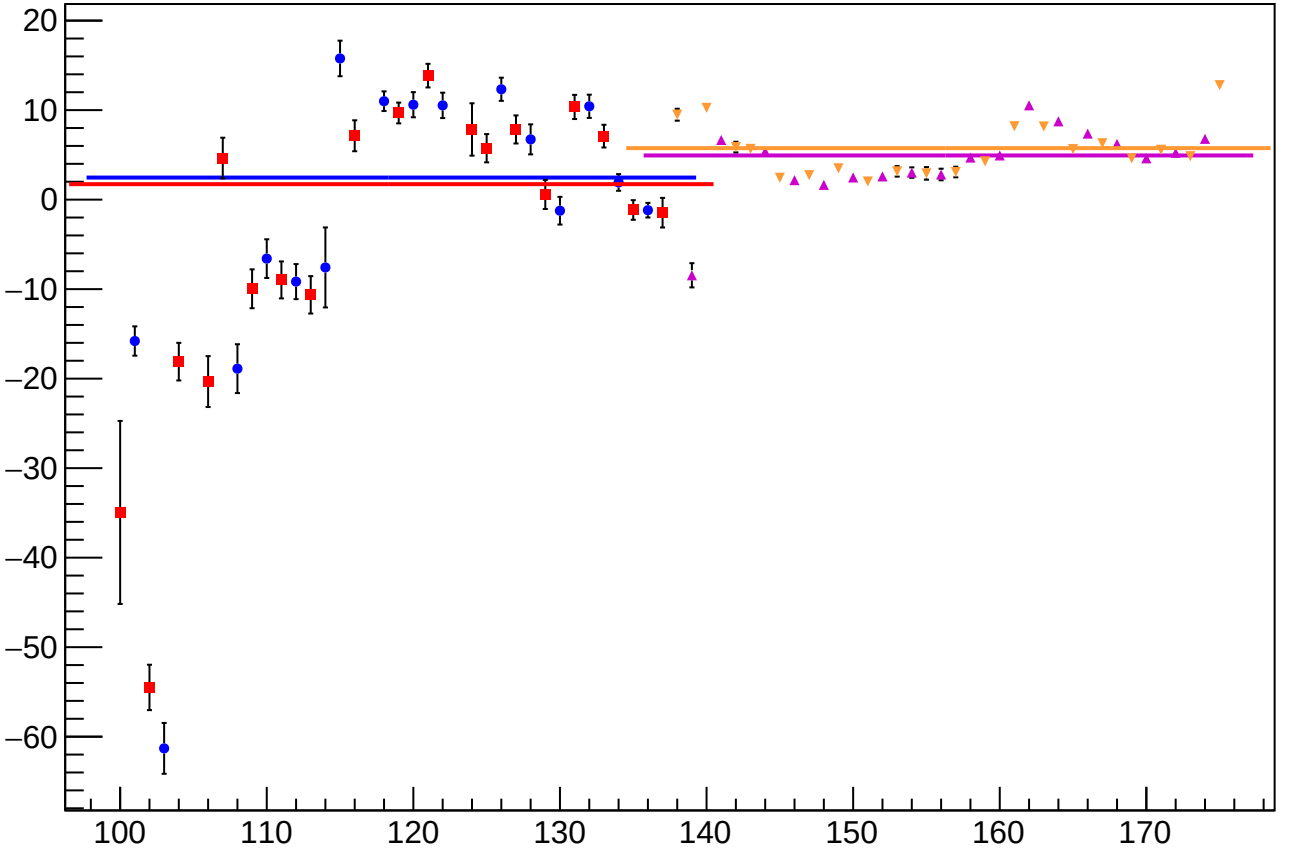
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -9.998+/-0.122 χ^2/NDF:1930.1/33

Out: -12.052+/-0.120 χ^2/NDF:3511.9/38

All: -11.047+/-0.086 χ^2/NDF: 5586.0/72

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.755+/-0.094 χ^2/NDF:987.0/19

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.936+/-0.095 χ^2/NDF:645.5/17

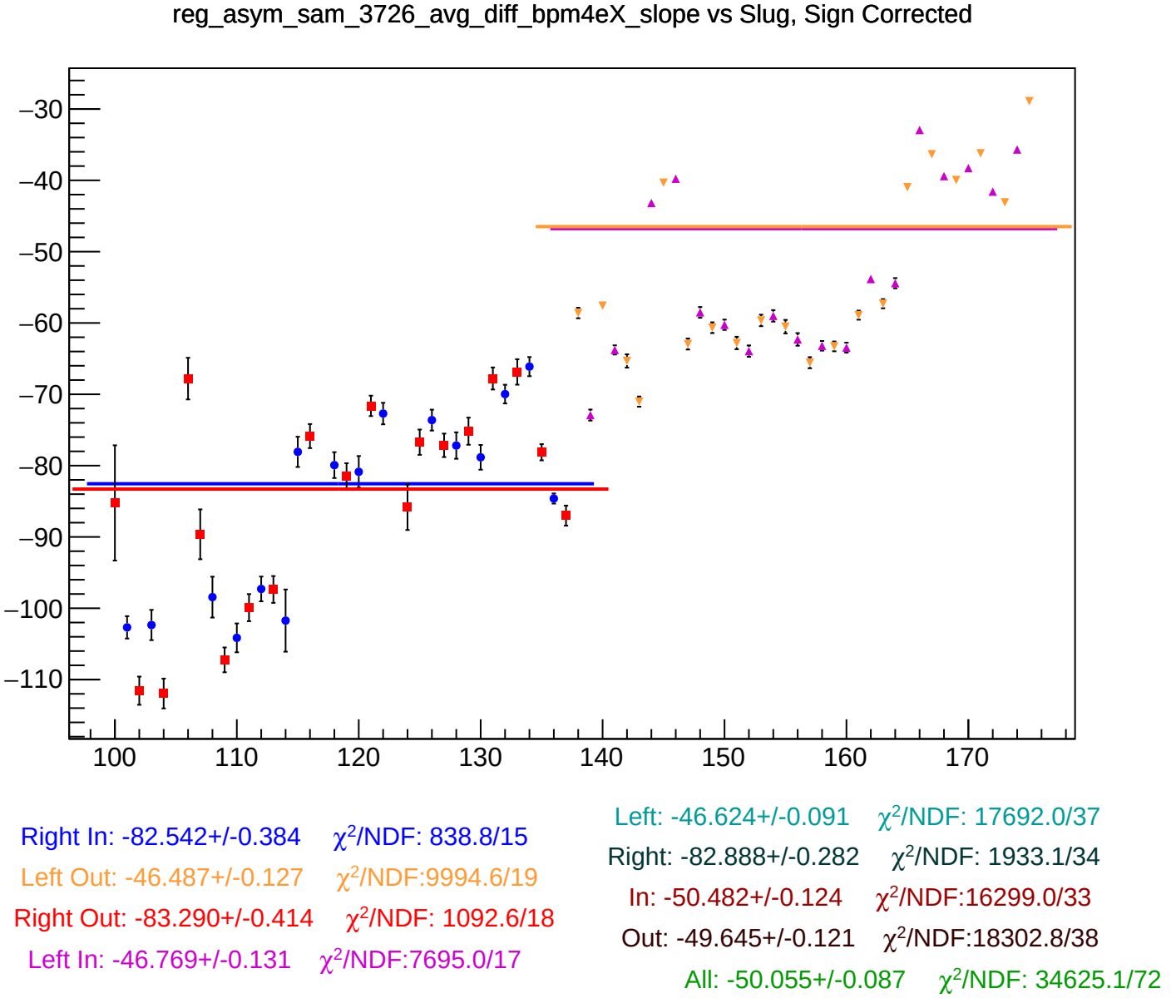
Left: 5.350+/-0.067 χ^2/NDF: 1669.7/37

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

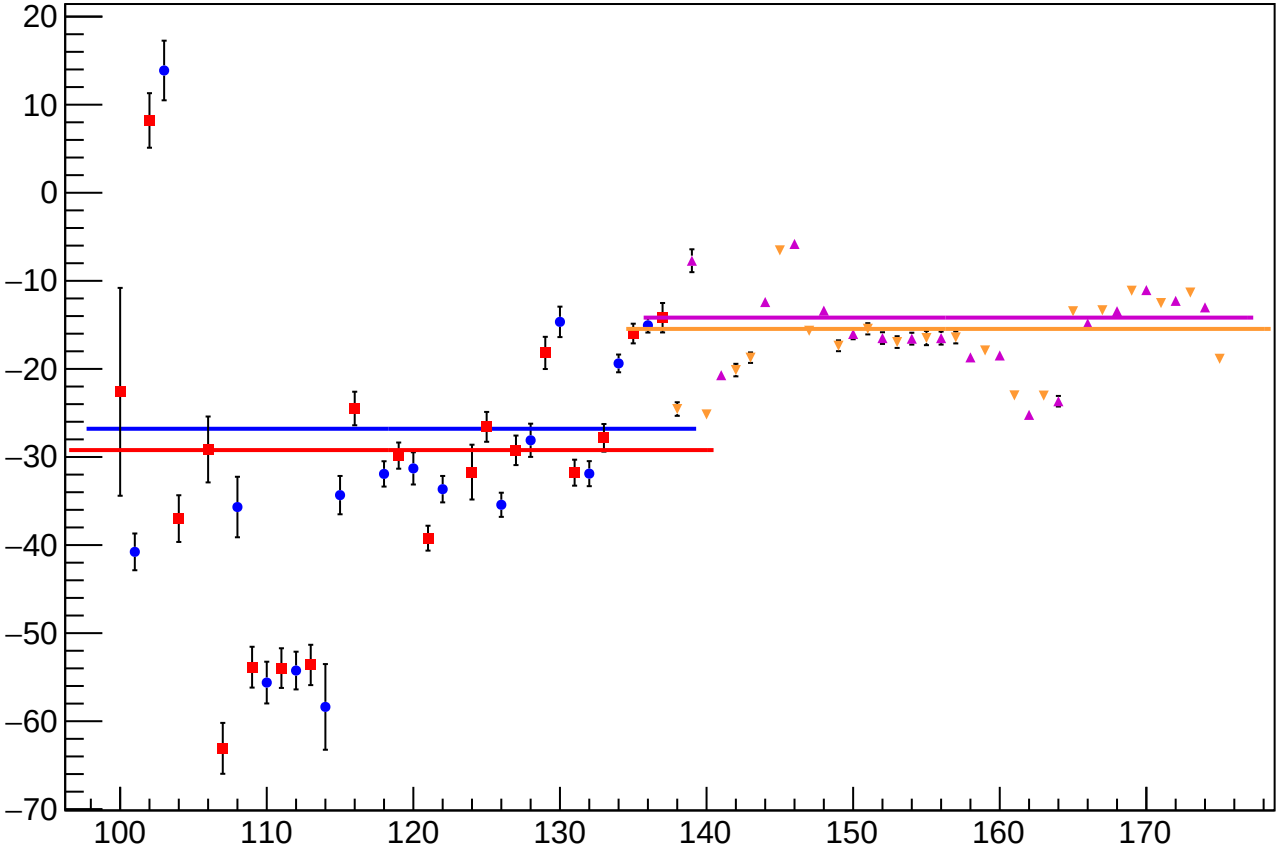
In: 4.771+/-0.092 χ^2/NDF:1737.0/33

Out: 5.527+/-0.092 χ^2/NDF:2072.7/38

All: 5.151+/-0.065 χ^2/NDF: 3843.6/72


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -46.487+/-0.127 χ²/NDF:9994.6/19
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -46.769+/-0.131 χ²/NDF:7695.0/17
Left: -46.624+/-0.091 χ²/NDF: 17692.0/37
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -50.482+/-0.124 χ²/NDF:16299.0/33
Out: -49.645+/-0.121 χ²/NDF:18302.8/38
All: -50.055+/-0.087 χ²/NDF: 34625.1/72

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.458+/-0.106 χ^2/NDF:2126.3/19

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.176+/-0.108 χ^2/NDF:1919.1/17

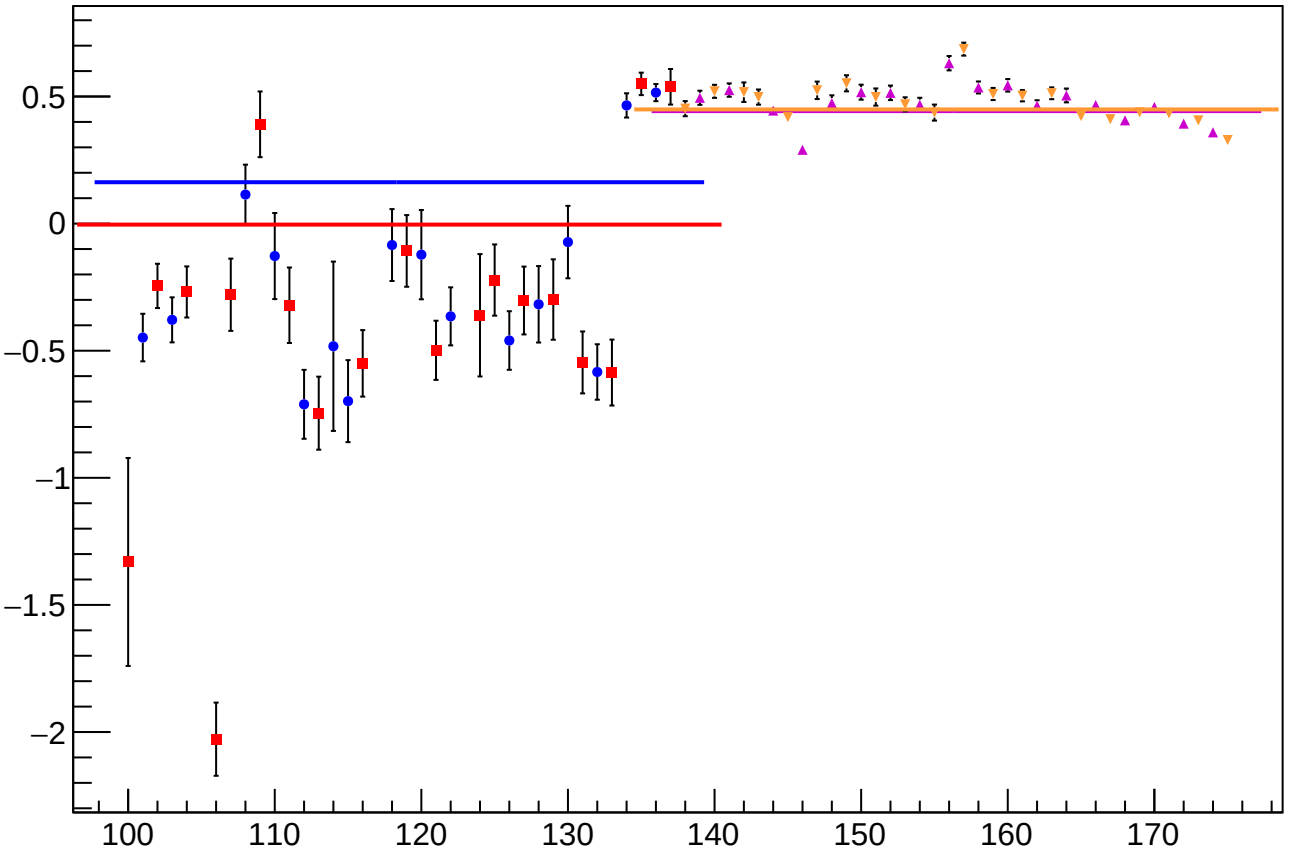
Left: -14.830+/-0.076 χ^2/NDF: 4116.7/37

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.059+/-0.105 χ^2/NDF:3829.2/33

Out: -16.245+/-0.103 χ^2/NDF:4047.2/38

All: -15.660+/-0.073 χ^2/NDF: 7941.6/72



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.449+/-0.005 χ^2/NDF:217.8/19

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.443+/-0.005 χ^2/NDF:235.6/17

Left: 0.446+/-0.003 χ^2/NDF: 454.3/37

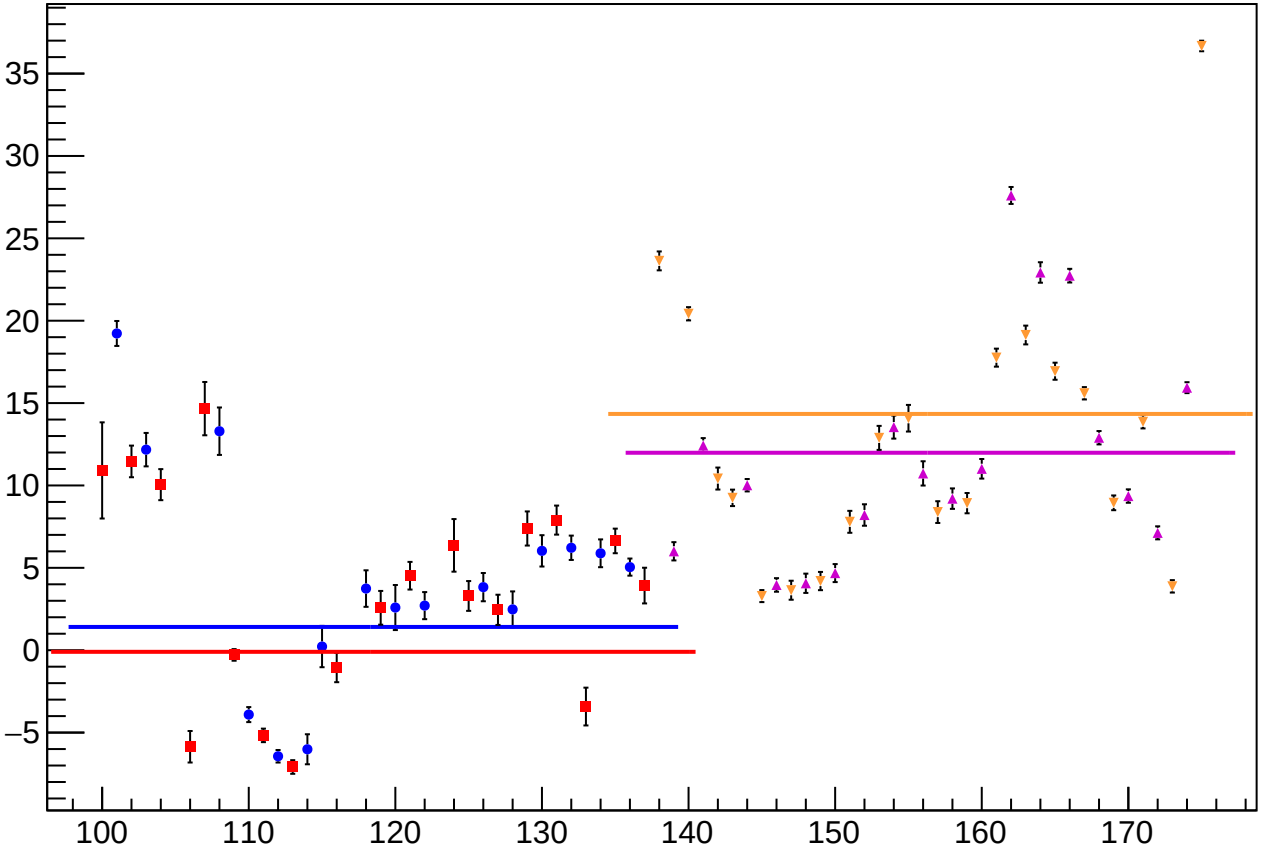
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.429+/-0.005 χ^2/NDF:820.7/33

Out: 0.432+/-0.005 χ^2/NDF:1122.9/38

All: 0.431+/-0.003 χ^2/NDF: 1943.8/72

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 14.341+/-0.109 χ^2/NDF:8369.7/19

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 11.985+/-0.113 χ^2/NDF:3190.4/17

Left: 13.208+/-0.078 χ^2/NDF: 11787.0/37

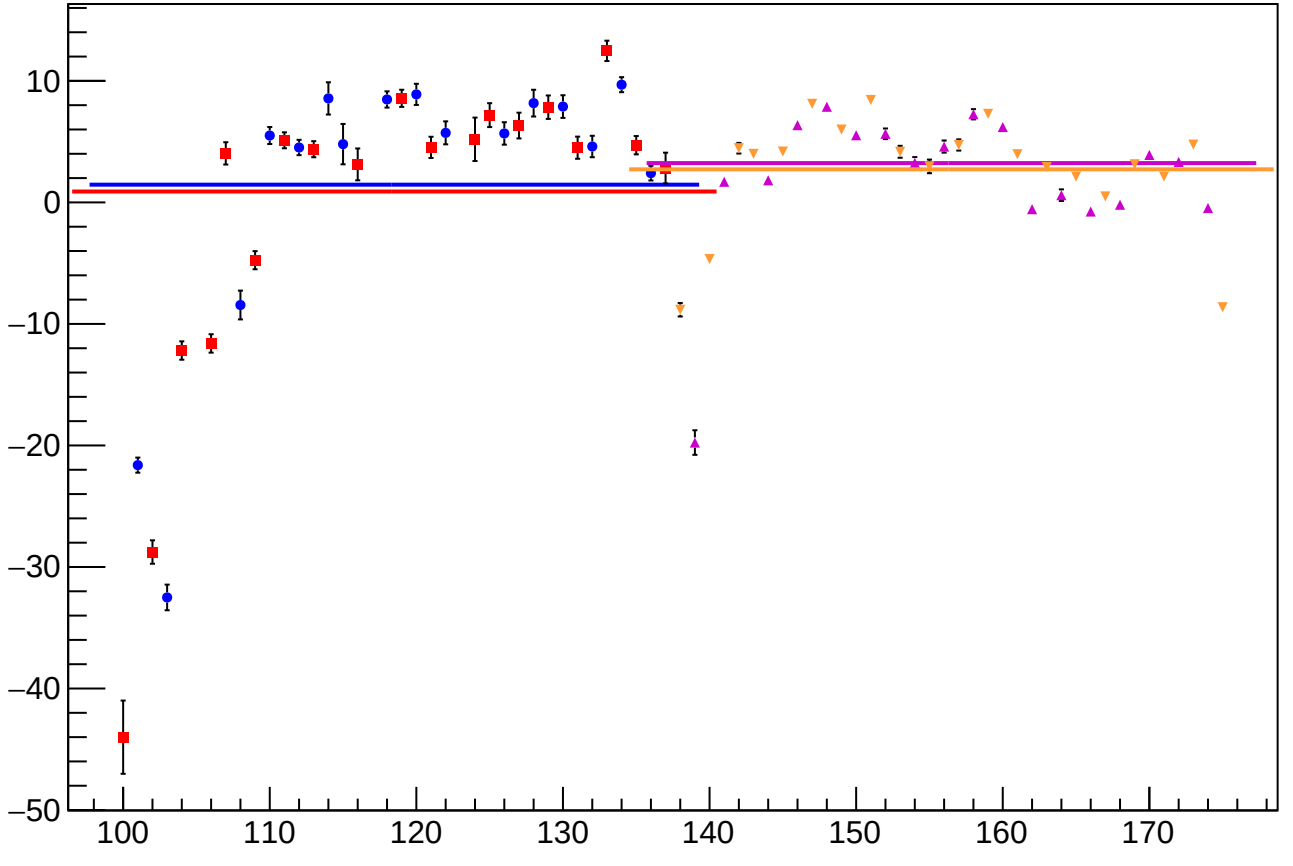
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 9.080+/-0.096 χ^2/NDF:7131.0/33

Out: 10.069+/-0.091 χ^2/NDF:14756.2/38

All: 9.601+/-0.066 χ^2/NDF: 21943.2/72

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.721+/-0.079 χ^2/NDF:3399.9/19

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.235+/-0.082 χ^2/NDF:1770.5/17

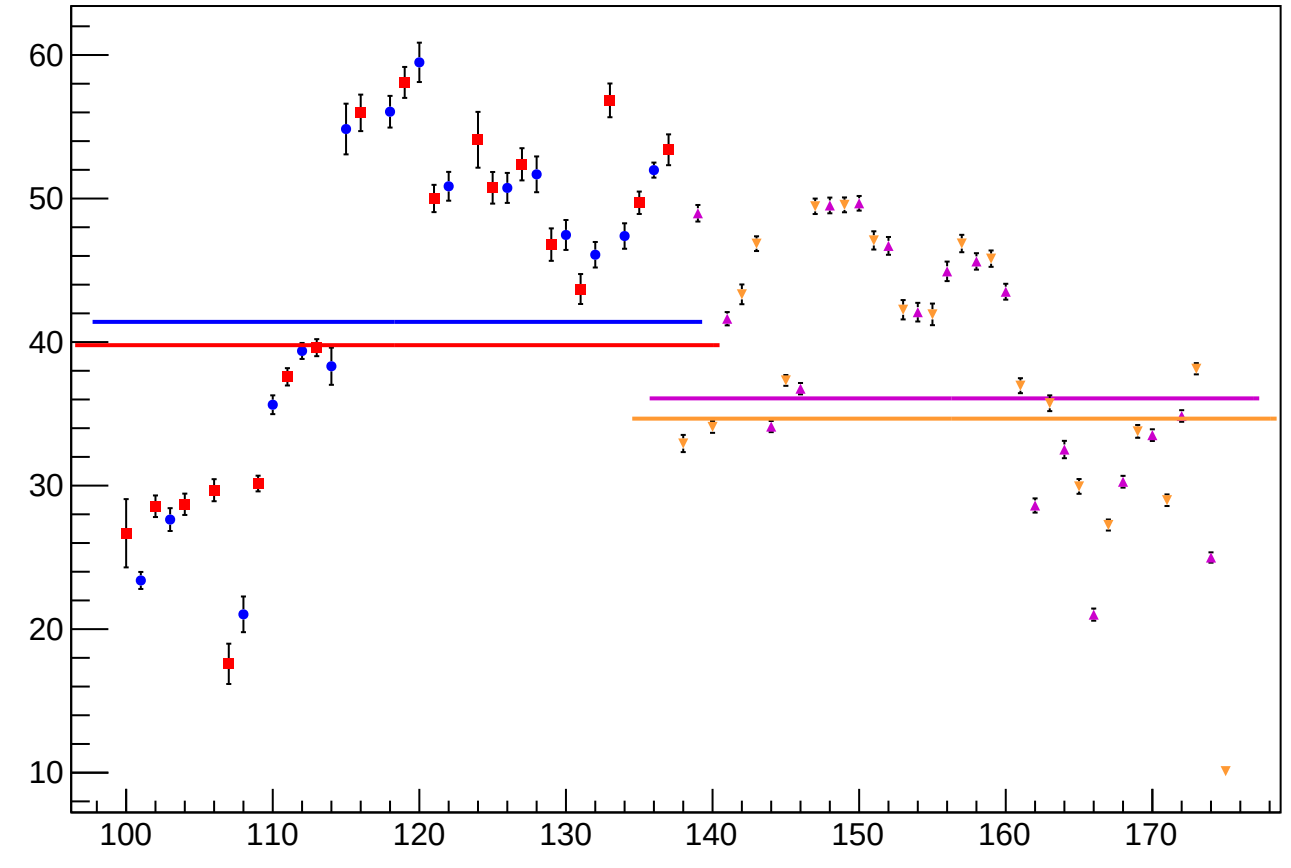
Left: 2.970+/-0.057 χ^2/NDF: 5190.9/37

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.989+/-0.076 χ^2/NDF:4916.4/33

Out: 2.478+/-0.074 χ^2/NDF:5847.7/38

All: 2.726+/-0.053 χ^2/NDF: 10787.5/72



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 34.666+/-0.108 χ^2/NDF:10345.7/19

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 36.076+/-0.112 χ^2/NDF:5716.1/17

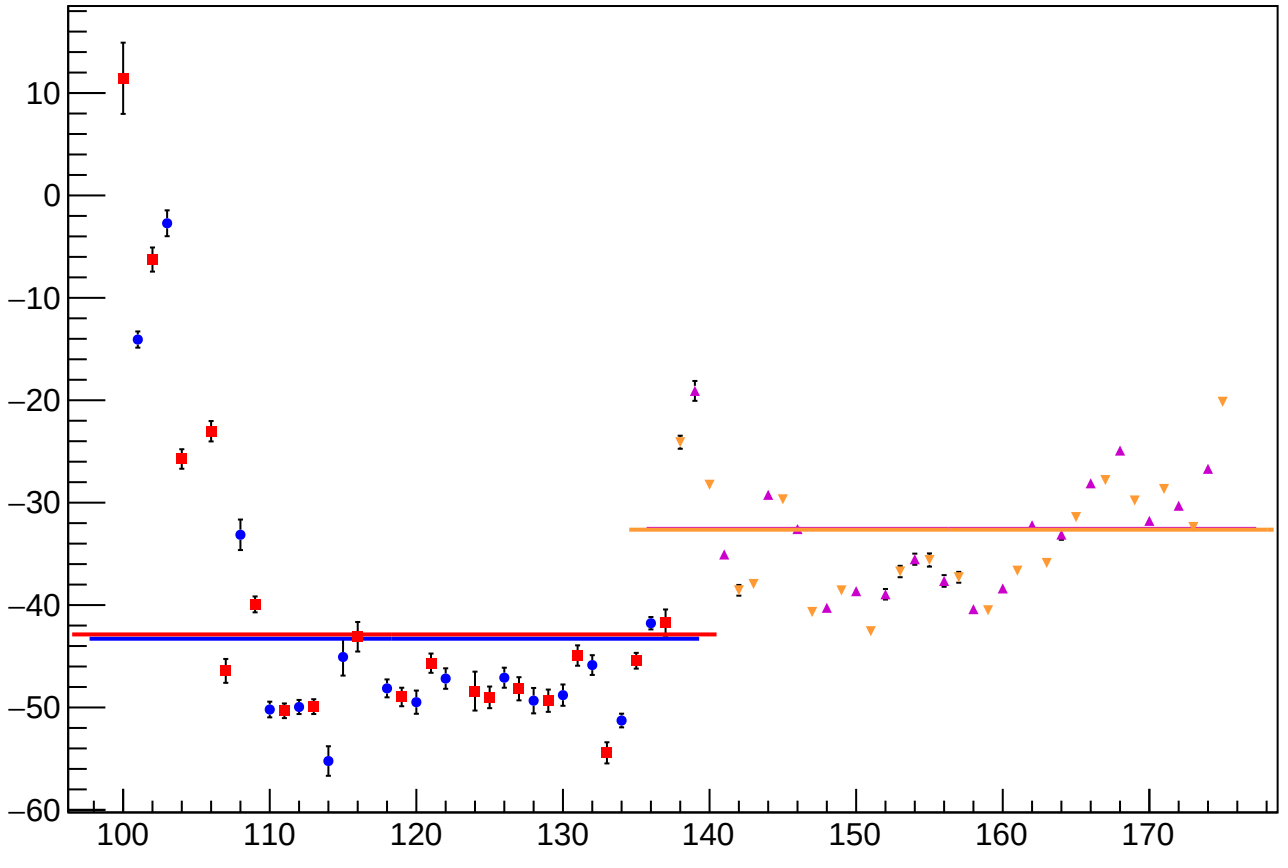
Left: 35.344+/-0.078 χ^2/NDF: 16143.9/37

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 37.254+/-0.099 χ^2/NDF:8961.1/33

Out: 35.795+/-0.095 χ^2/NDF:13495.7/38

All: 36.496+/-0.069 χ^2/NDF: 22569.6/72



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.638+/-0.090 χ^2/NDF:4421.4/19

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -32.560+/-0.093 χ^2/NDF:2692.9/17

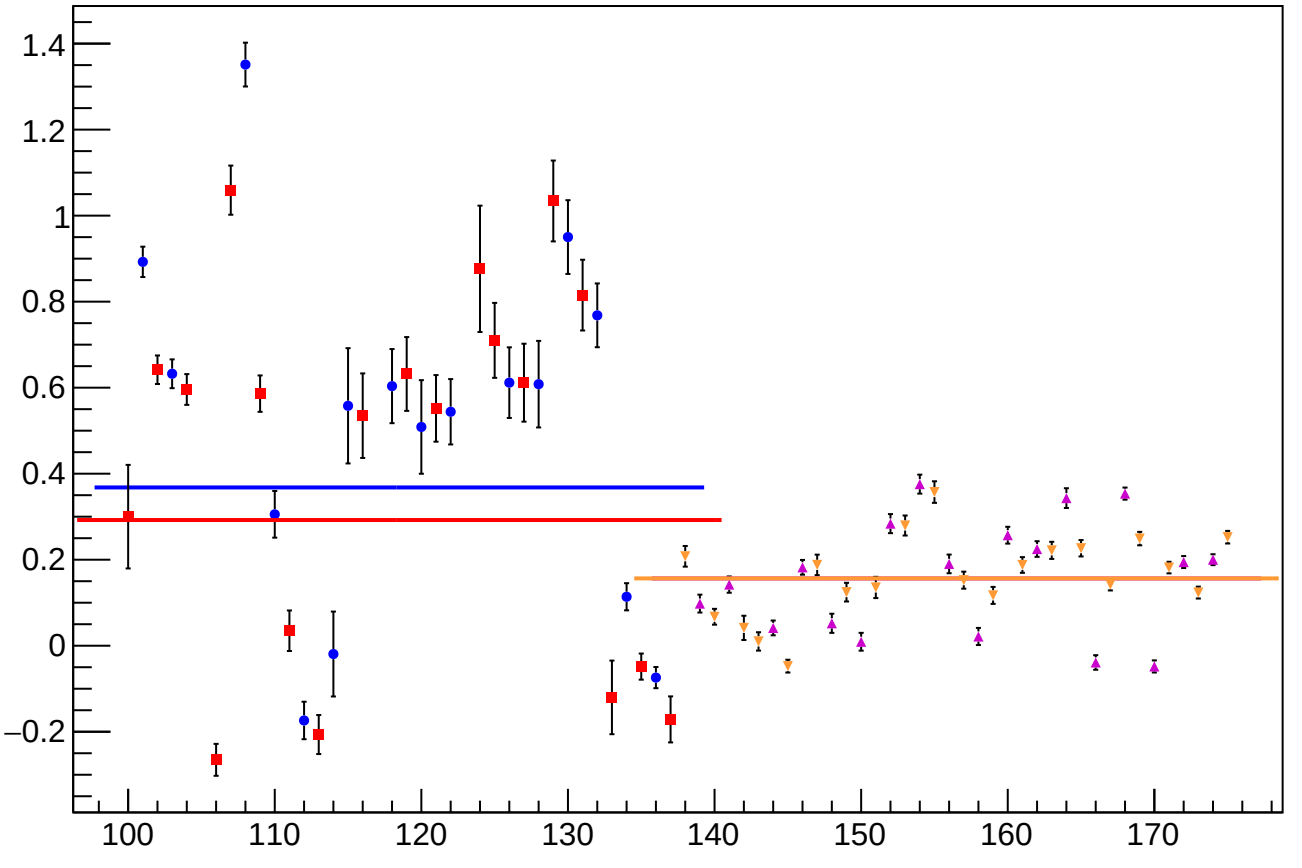
Left: -32.600+/-0.065 χ^2/NDF: 7114.7/37

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

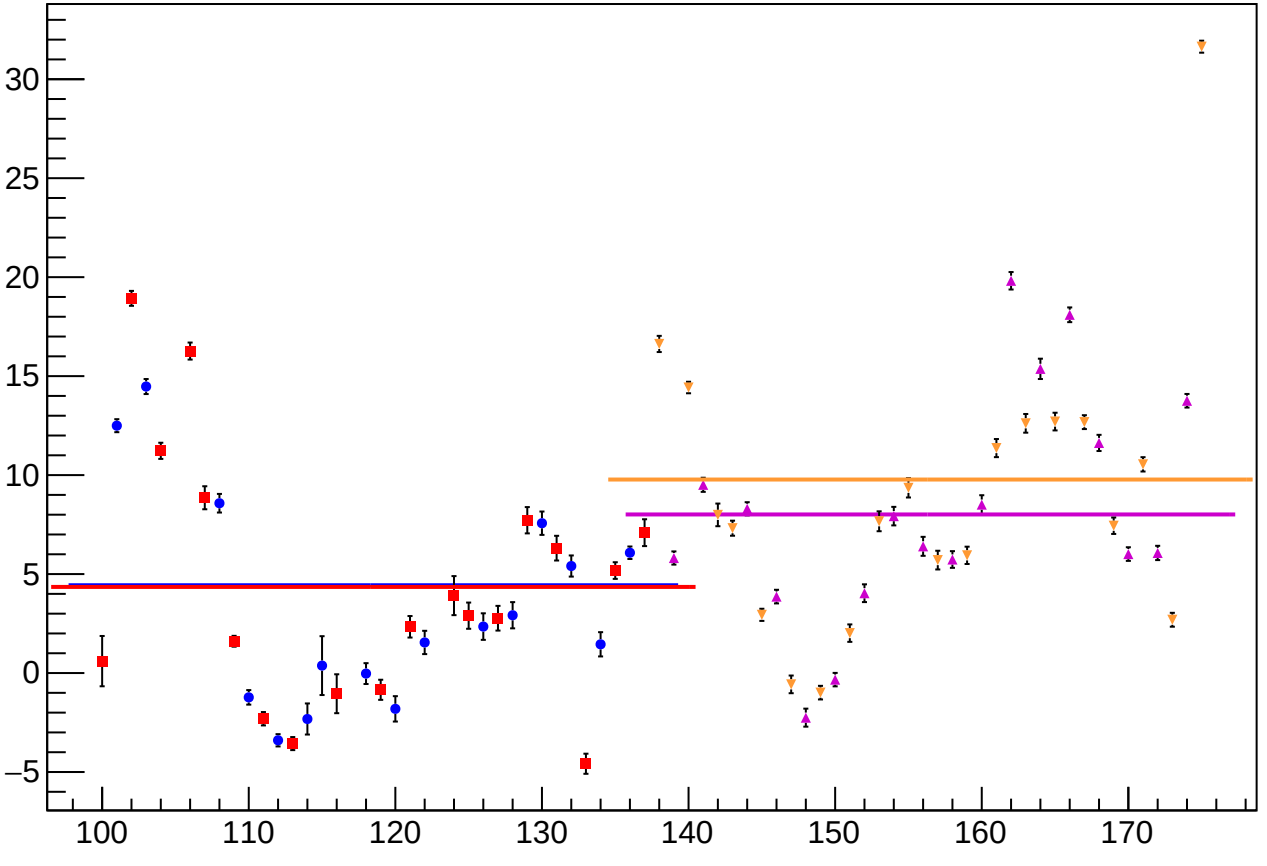
In: -34.080+/-0.086 χ^2/NDF:7555.6/33

Out: -34.009+/-0.084 χ^2/NDF:8603.0/38

All: -34.044+/-0.060 χ^2/NDF: 16158.9/72


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
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: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.157+/-0.004 χ²/NDF:494.9/19
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.156+/-0.004 χ²/NDF:974.6/17
Left: 0.156+/-0.003 χ²/NDF: 1469.5/37
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.178+/-0.004 χ²/NDF:2565.0/33
Out: 0.171+/-0.004 χ²/NDF:1806.9/38
All: 0.174+/-0.003 χ²/NDF: 4374.0/72

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 9.776+/-0.088 χ^2/NDF:8861.8/19

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 8.012+/-0.092 χ^2/NDF:3513.7/17

Left: 8.934+/-0.063 χ^2/NDF: 12568.1/37

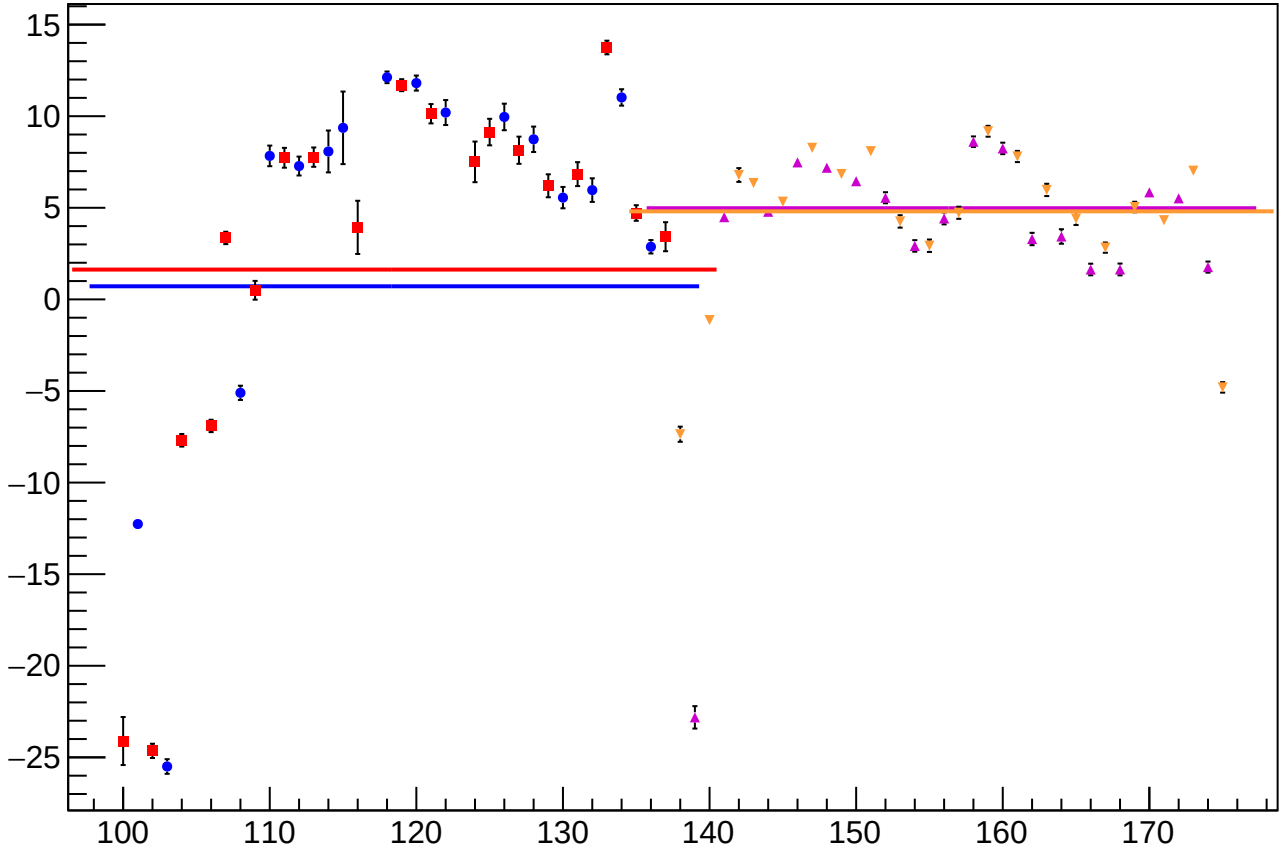
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.647+/-0.072 χ^2/NDF:6714.0/33

Out: 7.643+/-0.068 χ^2/NDF:14567.5/38

All: 7.172+/-0.050 χ^2/NDF: 21381.7/72

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.807+/-0.063 χ^2/NDF:3660.3/19

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.976+/-0.067 χ^2/NDF:3057.6/17

Left: 4.887+/-0.046 χ^2/NDF: 6721.3/37

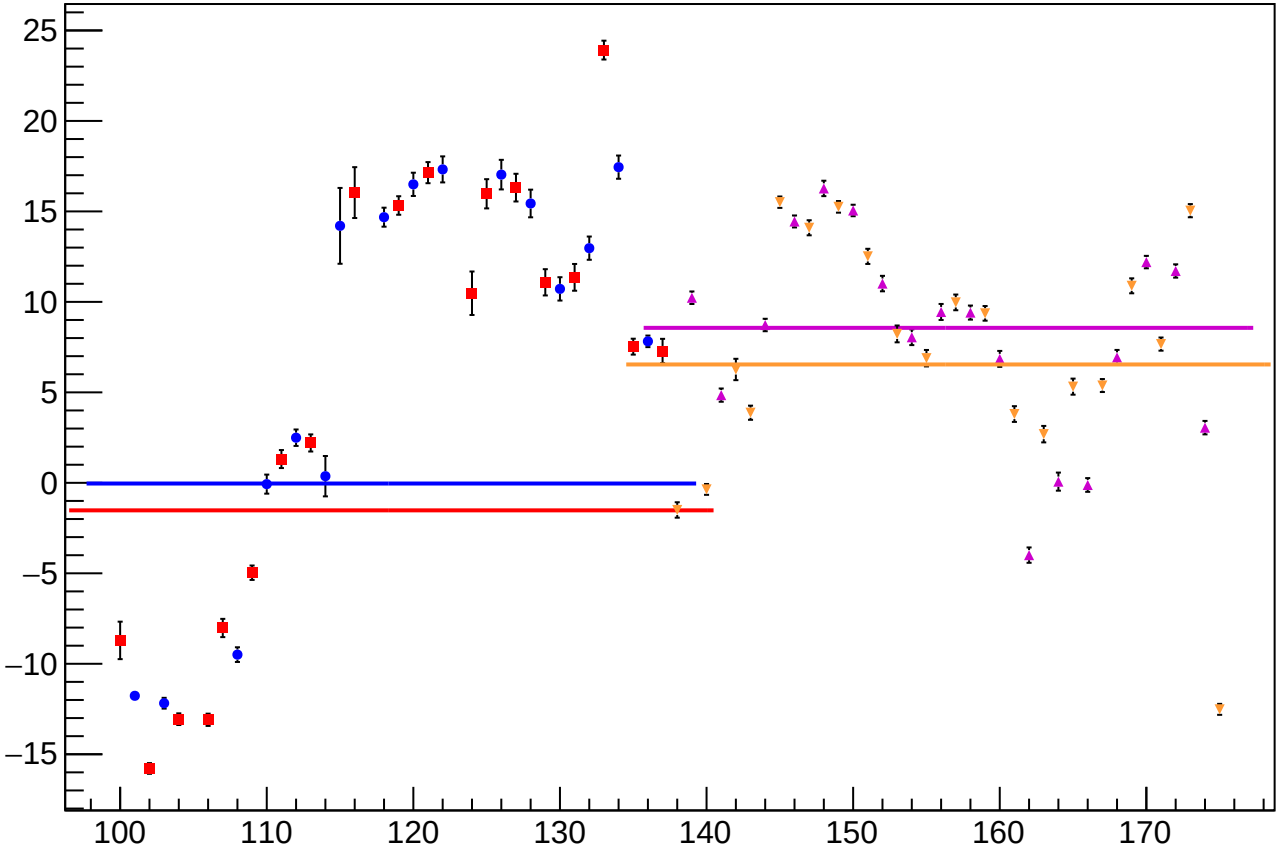
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.913+/-0.058 χ^2/NDF:14525.7/33

Out: 4.023+/-0.055 χ^2/NDF:13534.0/38

All: 3.971+/-0.040 χ^2/NDF: 28061.6/72

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.542+/-0.087 χ^2/NDF:7878.9/19

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.565+/-0.091 χ^2/NDF:3350.9/17

Left: 7.509+/-0.063 χ^2/NDF: 11489.9/37

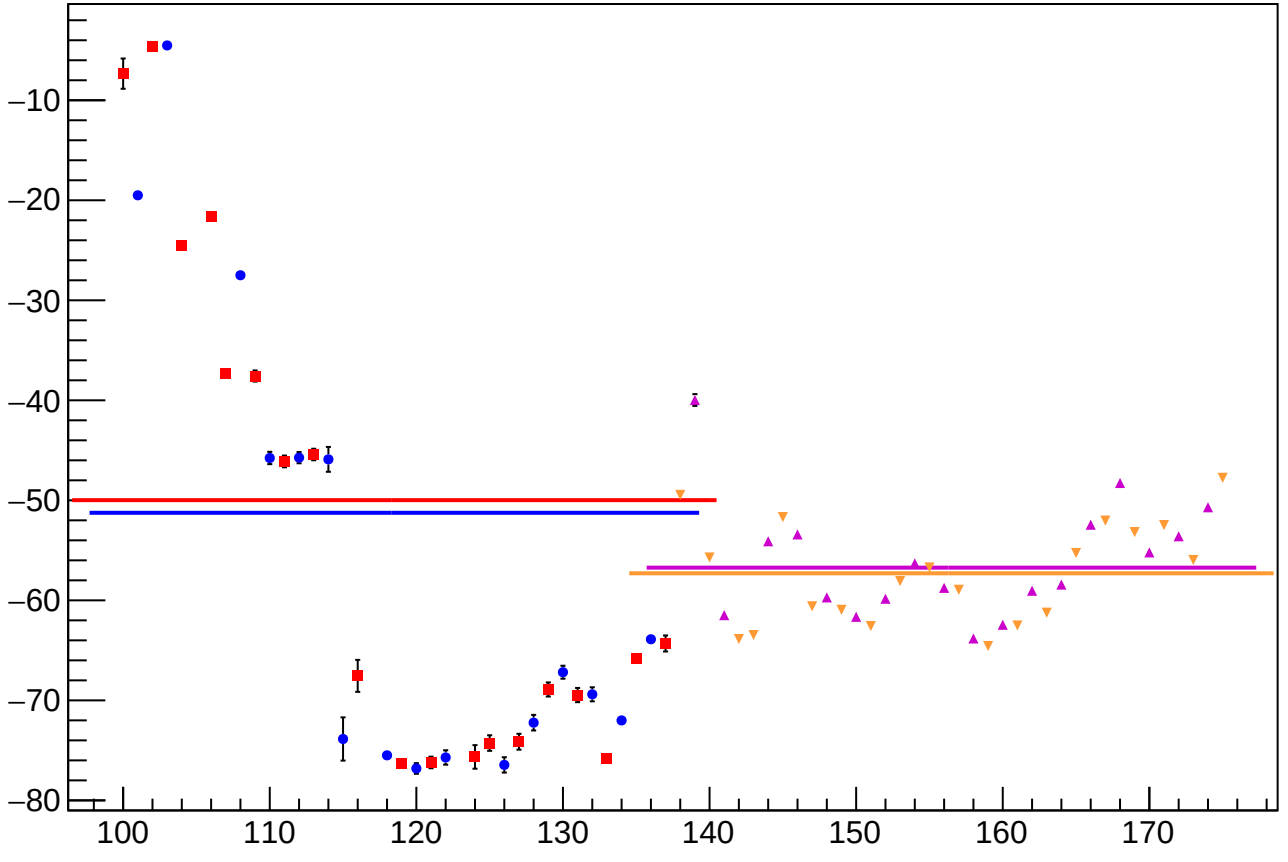
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.420+/-0.072 χ^2/NDF:15920.8/33

Out: 3.620+/-0.069 χ^2/NDF:23139.0/38

All: 4.483+/-0.050 χ^2/NDF: 39383.2/72

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.296+/-0.073 χ^2/NDF:4596.4/19

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.730+/-0.076 χ^2/NDF:3912.6/17

Left: -57.027+/-0.053 χ^2/NDF: 8537.9/37

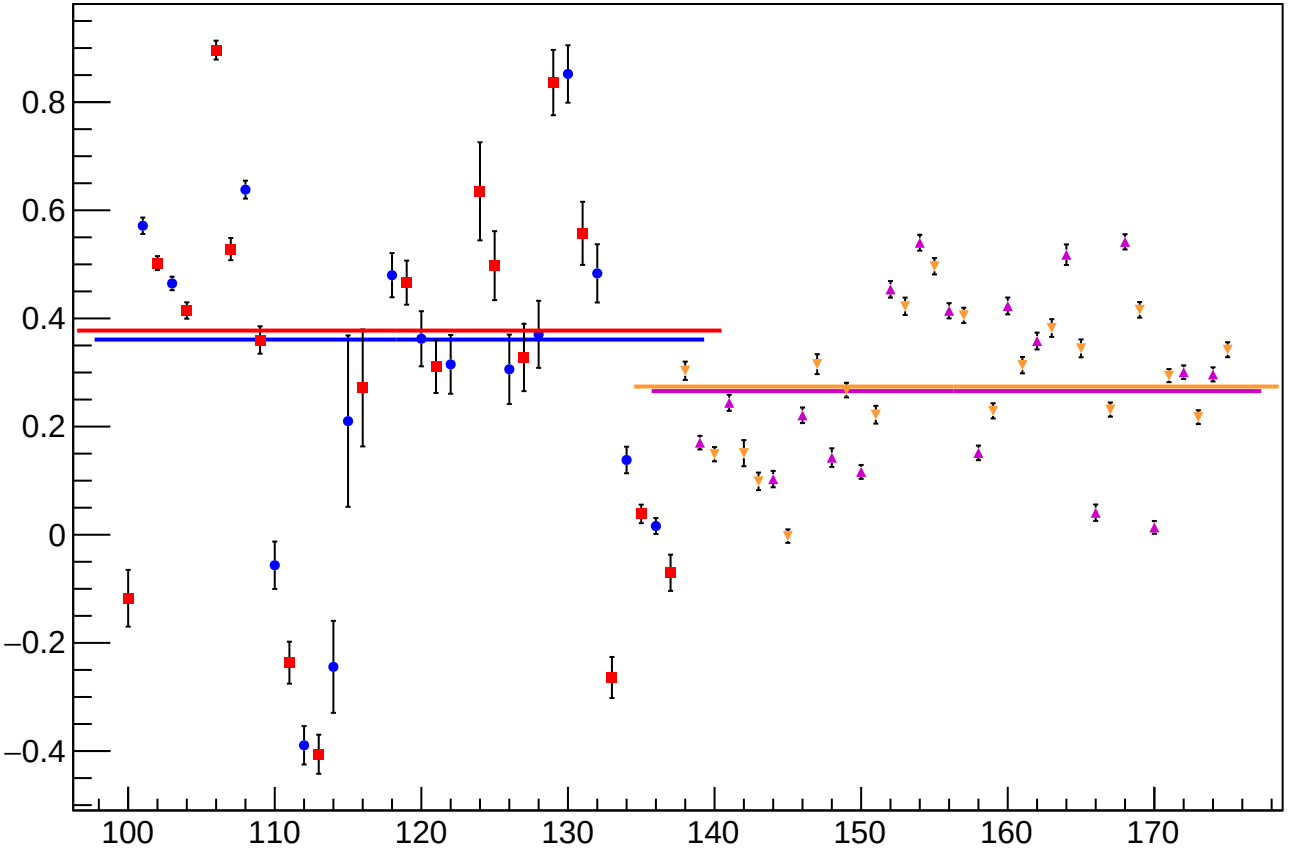
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.415+/-0.066 χ^2/NDF:38918.5/33

Out: -55.567+/-0.064 χ^2/NDF:40880.4/38

All: -55.495+/-0.046 χ^2/NDF: 79801.6/72

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.274+/-0.003 χ^2/NDF:1362.8/19

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.266+/-0.003 χ^2/NDF:2430.1/17

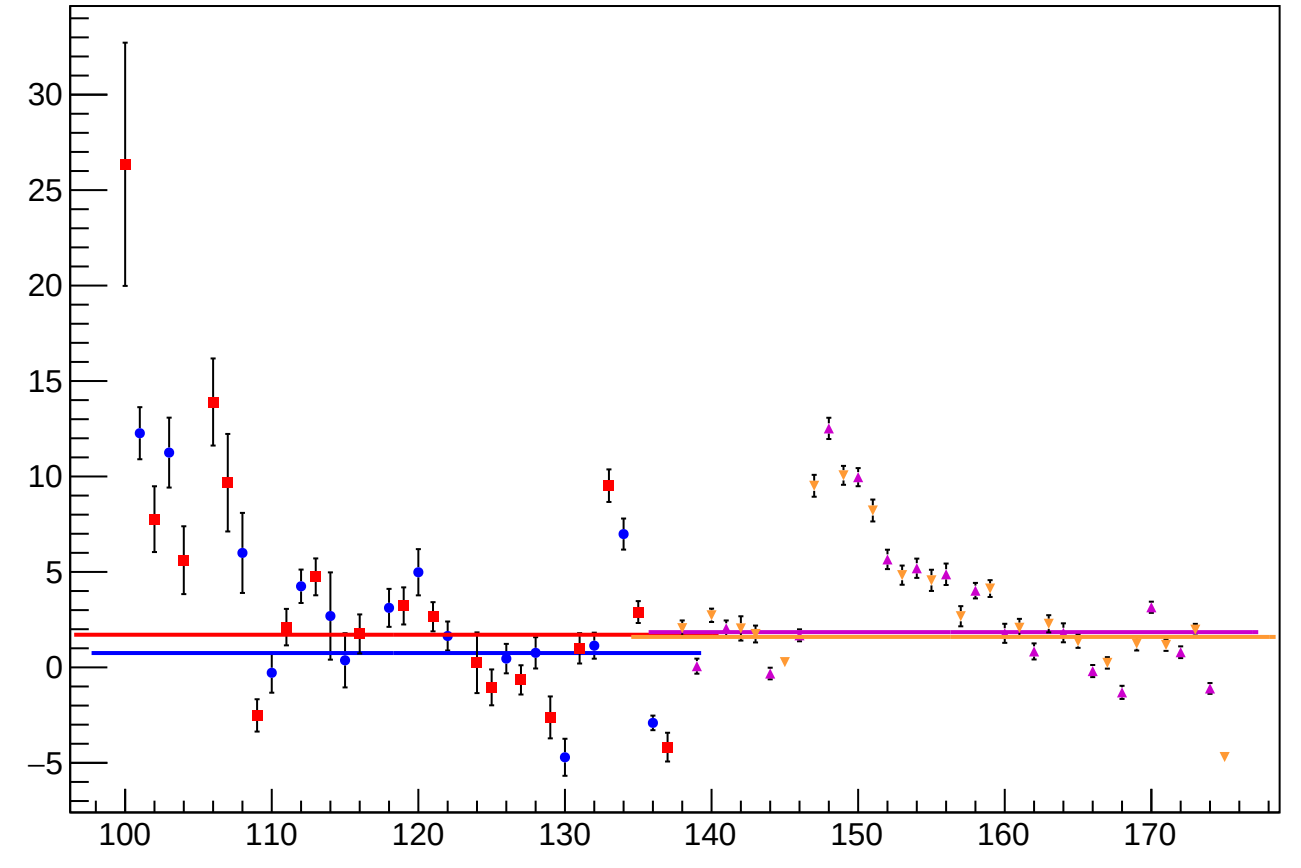
Left: 0.270+/-0.002 χ^2/NDF: 3796.1/37

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.286+/-0.003 χ^2/NDF:4465.4/33

Out: 0.297+/-0.003 χ^2/NDF:4375.3/38

All: 0.292+/-0.002 χ^2/NDF: 8847.6/72



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 1.595+/-0.086 χ^2/NDF:1408.5/19

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.847+/-0.090 χ^2/NDF:1160.9/17

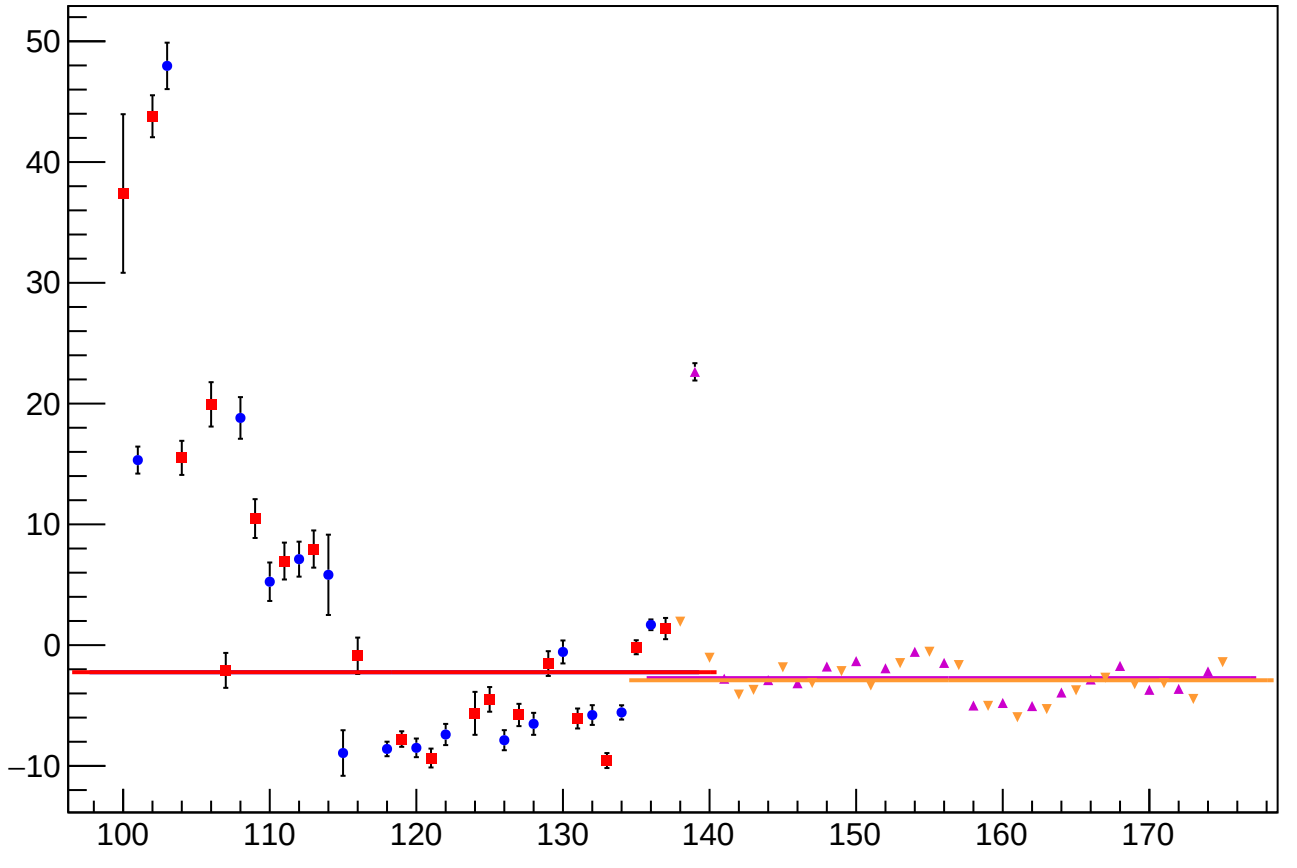
Left: 1.716+/-0.062 χ^2/NDF: 2573.4/37

Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 1.682+/-0.082 χ^2/NDF:1513.5/33

Out: 1.610+/-0.080 χ^2/NDF:1702.5/38

All: 1.645+/-0.057 χ^2/NDF: 3216.5/72



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.908+/-0.064 χ^2/NDF:604.8/19

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.731+/-0.066 χ^2/NDF:1566.2/17

Left: -2.822+/-0.046 χ^2/NDF: 2174.8/37

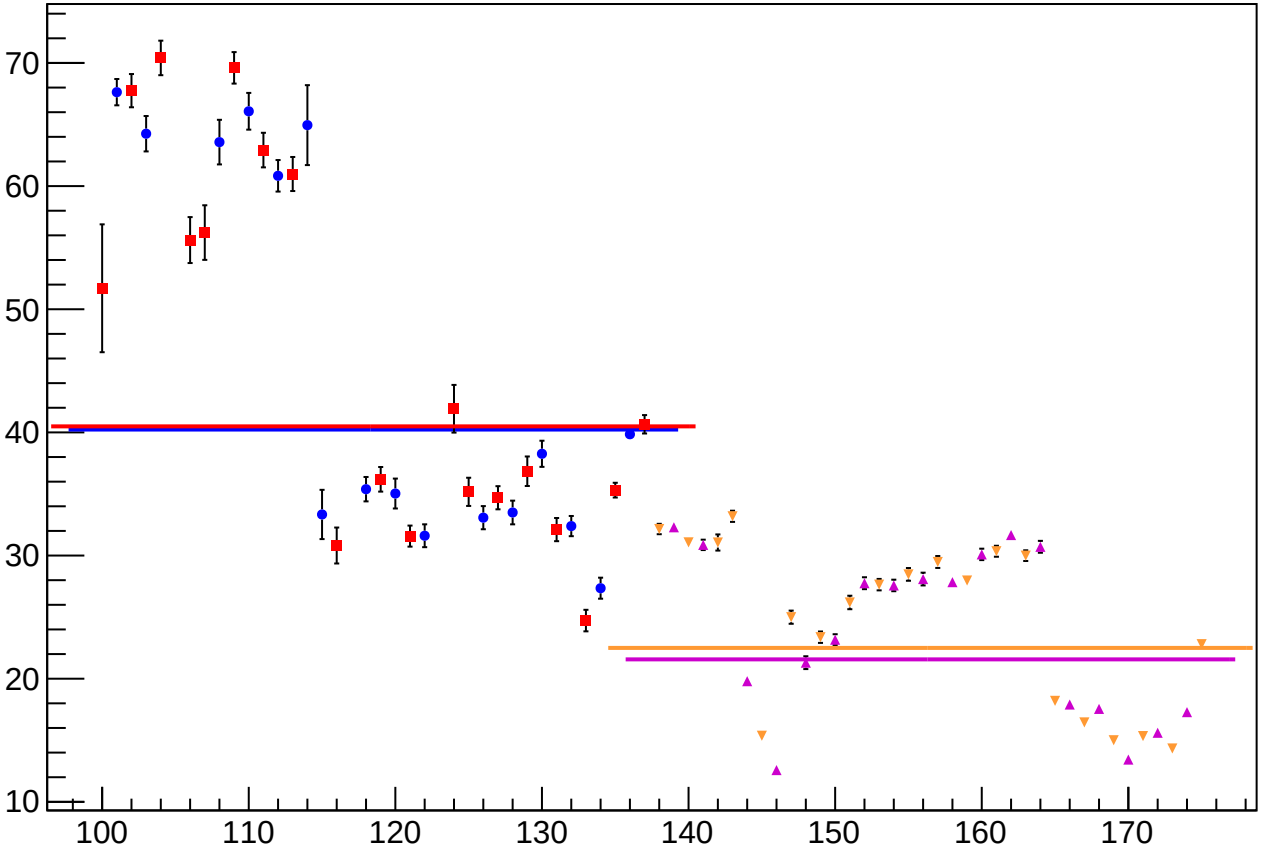
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.690+/-0.063 χ^2/NDF:3143.4/33

Out: -2.860+/-0.061 χ^2/NDF:2168.3/38

All: -2.777+/-0.044 χ^2/NDF: 5315.4/72

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.501+/-0.085 χ^2/NDF:5990.4/19

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.569+/-0.089 χ^2/NDF:5773.9/17

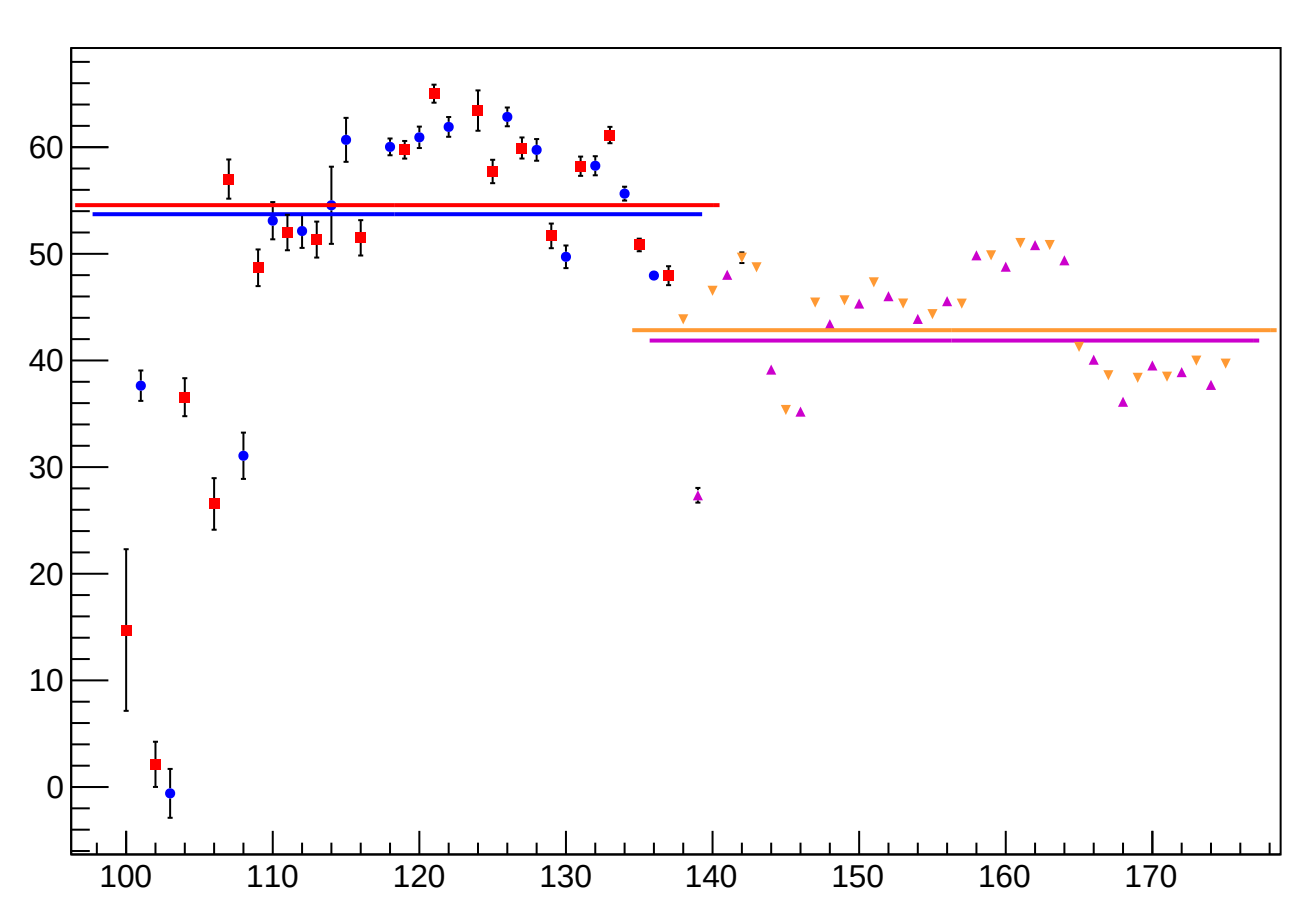
Left: 22.054+/-0.062 χ^2/NDF: 11821.3/37

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.970+/-0.083 χ^2/NDF:13731.0/33

Out: 24.373+/-0.081 χ^2/NDF:13311.4/38

All: 24.177+/-0.058 χ^2/NDF: 27054.5/72



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.839+/-0.072 χ^2/NDF:4584.7/19

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.867+/-0.074 χ^2/NDF:4997.1/17

Left: 42.370+/-0.052 χ^2/NDF: 9670.4/37

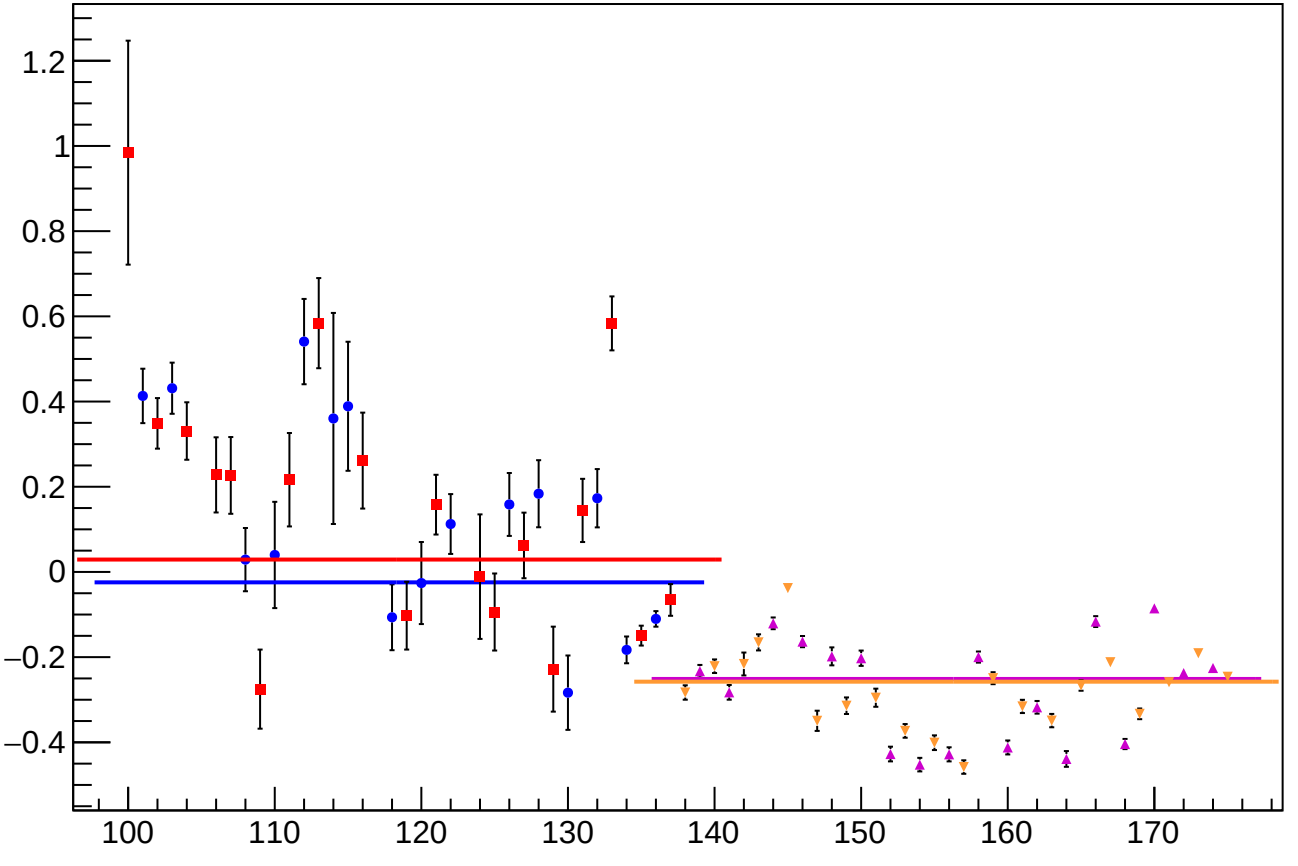
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 42.912+/-0.071 χ^2/NDF:8600.6/33

Out: 43.692+/-0.069 χ^2/NDF:7870.8/38

All: 43.312+/-0.049 χ^2/NDF: 16533.4/72

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.258+/-0.003 χ^2/NDF:894.2/19

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.251+/-0.003 χ^2/NDF:1316.5/17

Left: -0.254+/-0.002 χ^2/NDF: 2212.7/37

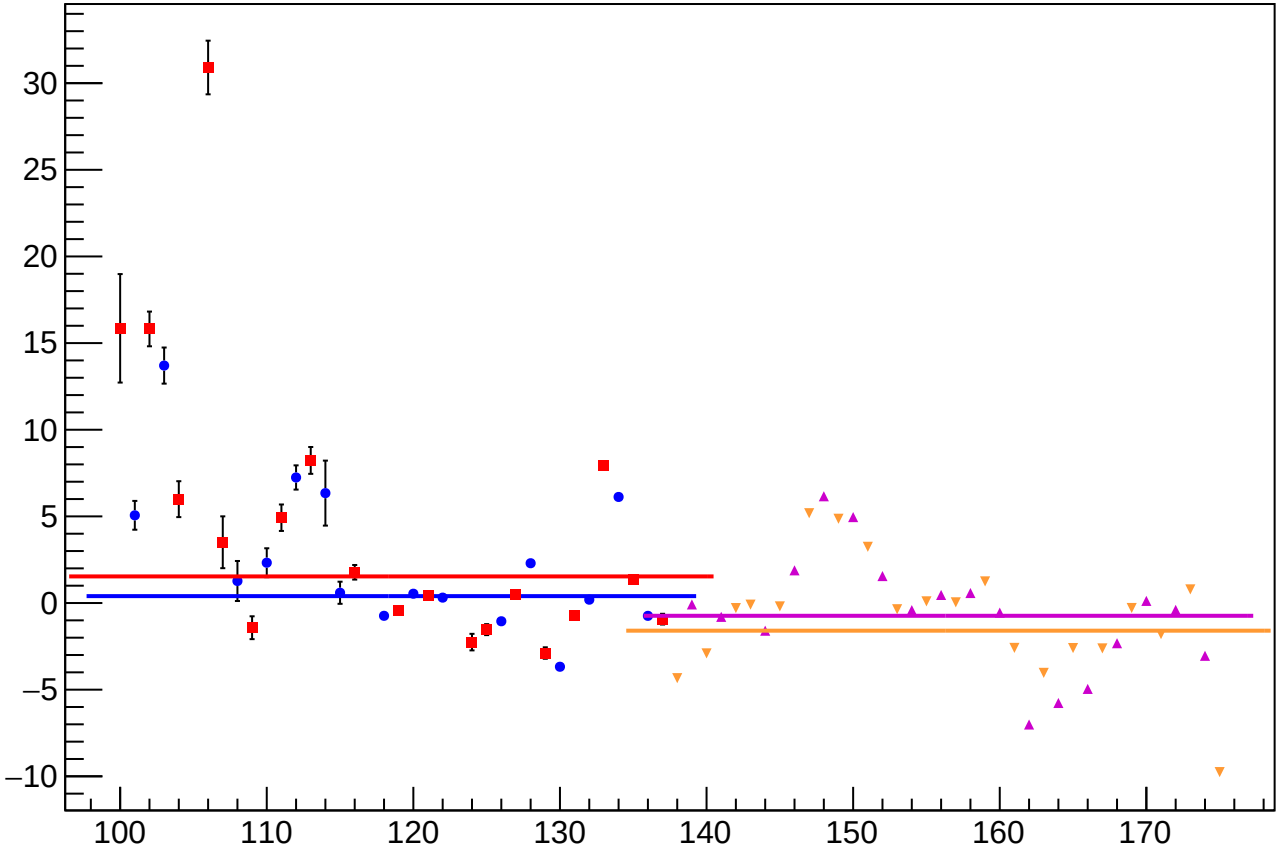
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.237+/-0.003 χ^2/NDF:1840.6/33

Out: -0.244+/-0.003 χ^2/NDF:1555.8/38

All: -0.240+/-0.002 χ^2/NDF: 3398.5/72

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -1.596+/-0.033 χ^2/NDF:12567.8/19

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.737+/-0.034 χ^2/NDF:7119.1/17

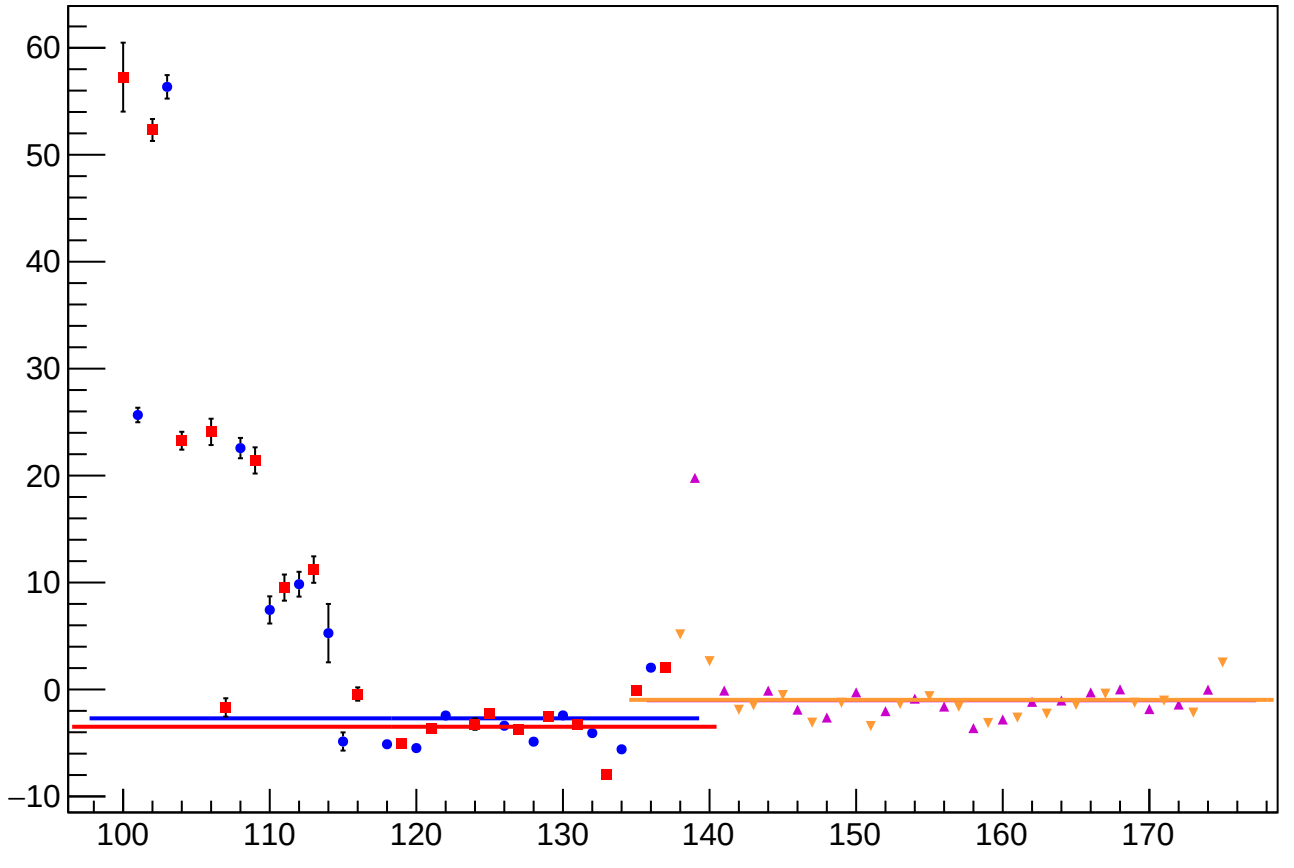
Left: -1.181+/-0.024 χ^2/NDF: 20018.2/37

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -0.552+/-0.031 χ^2/NDF:8398.1/33

Out: -1.127+/-0.030 χ^2/NDF:16343.3/38

All: -0.848+/-0.022 χ^2/NDF: 24917.4/72



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.970+/-0.024 χ^2/NDF:5922.0/19

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.007+/-0.025 χ^2/NDF:8451.9/17

Left: -0.988+/-0.017 χ^2/NDF: 14375.0/37

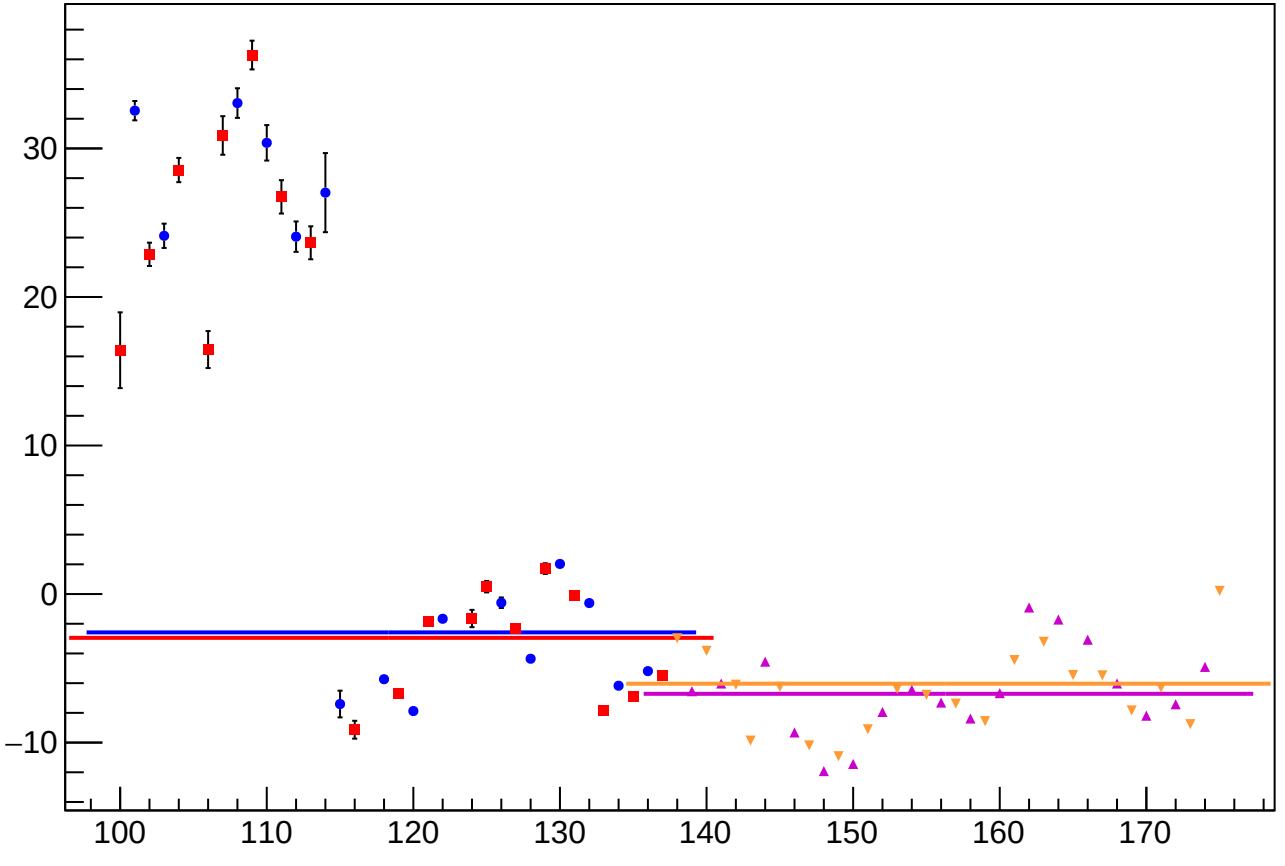
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.195+/-0.024 χ^2/NDF:16064.4/33

Out: -1.234+/-0.023 χ^2/NDF:14210.1/38

All: -1.215+/-0.016 χ^2/NDF: 30275.9/72

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.035+/-0.033 χ^2/NDF:8548.1/19

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.717+/-0.034 χ^2/NDF:6007.1/17

Left: -6.364+/-0.023 χ^2/NDF: 14765.9/37

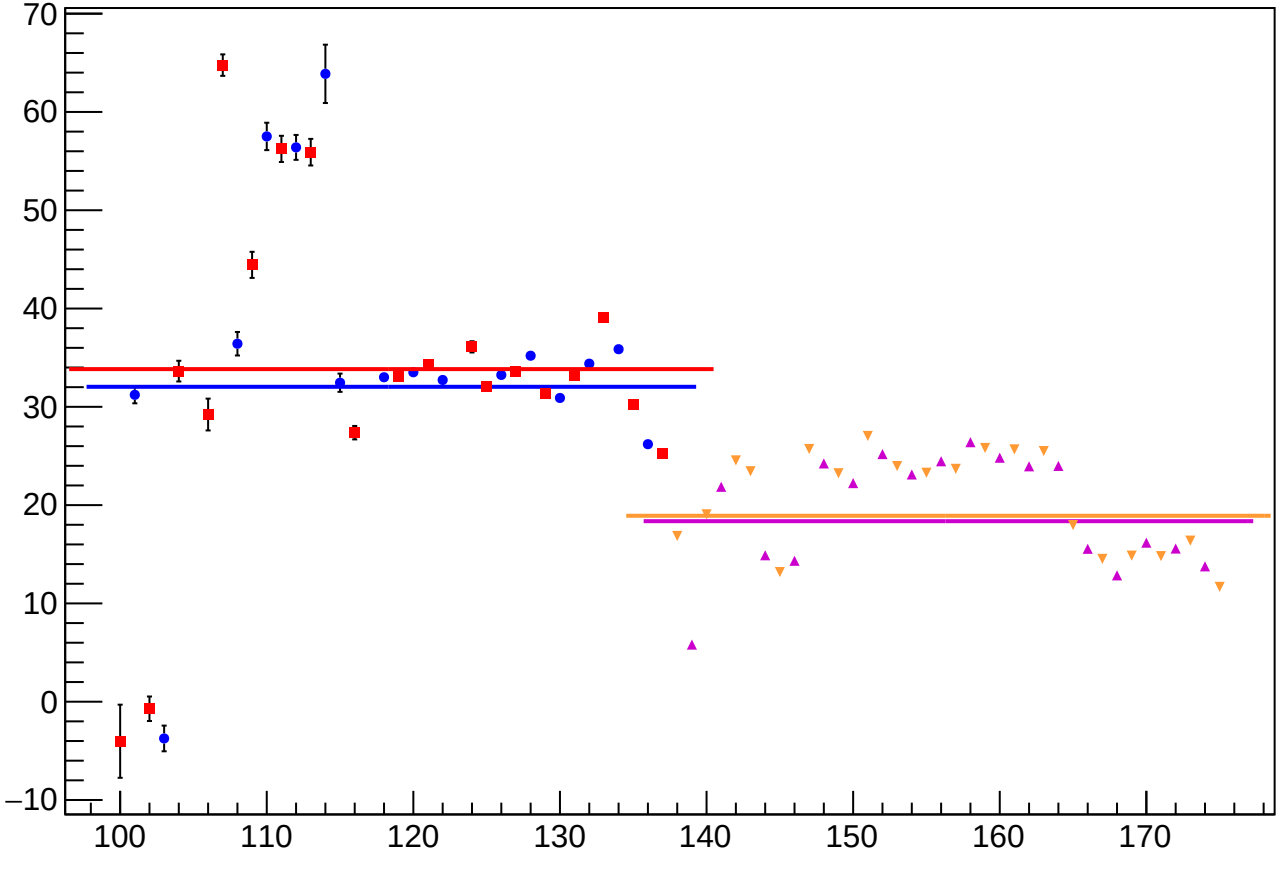
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.130+/-0.031 χ^2/NDF:16292.4/33

Out: -5.639+/-0.030 χ^2/NDF:17895.7/38

All: -5.878+/-0.022 χ^2/NDF: 34315.0/72

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.918+/-0.028 χ^2/NDF:34738.6/19

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.366+/-0.028 χ^2/NDF:28820.9/17

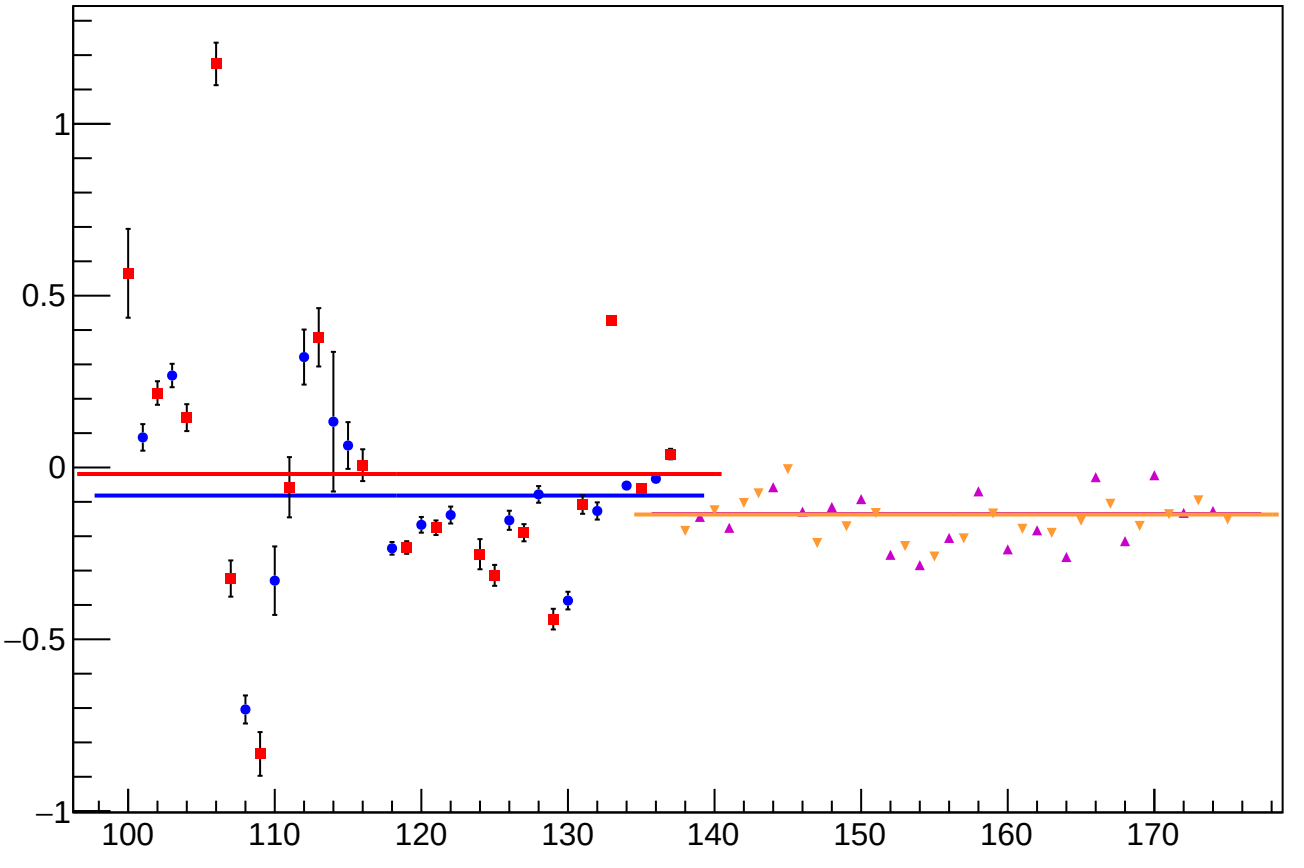
Left: 18.650+/-0.020 χ^2/NDF: 63754.1/37

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 19.854+/-0.027 χ^2/NDF:57286.4/33

Out: 20.442+/-0.026 χ^2/NDF:68976.8/38

All: 20.156+/-0.019 χ^2/NDF: 126509.9/72



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.137+/-0.001 χ^2/NDF:2369.2/19

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.135+/-0.001 χ^2/NDF:3563.8/17

Left: -0.136+/-0.001 χ^2/NDF: 5933.7/37

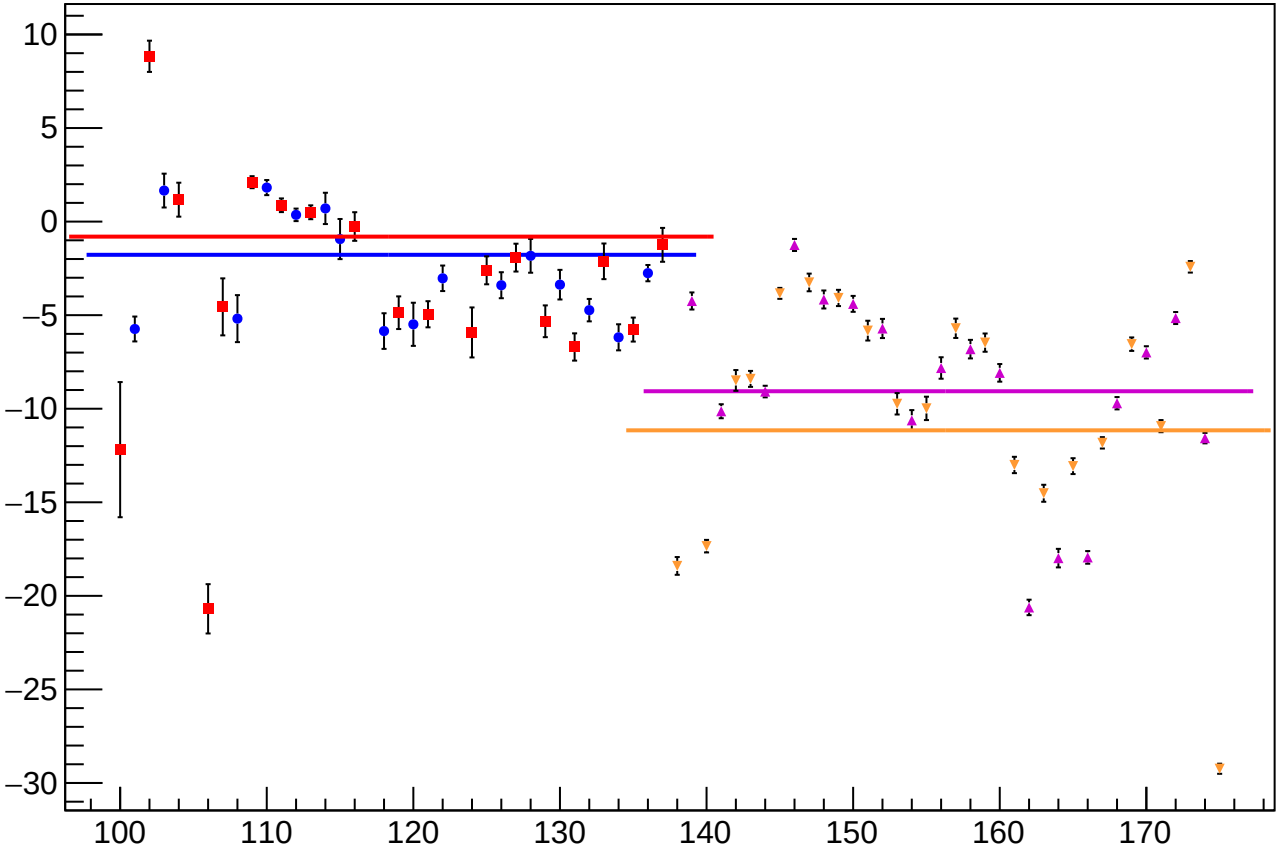
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.132+/-0.001 χ^2/NDF:4368.9/33

Out: -0.130+/-0.001 χ^2/NDF:5129.0/38

All: -0.131+/-0.001 χ^2/NDF: 9498.6/72

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -11.155+/-0.088 χ^2/NDF:7658.0/19

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -9.066+/-0.091 χ^2/NDF:3078.1/17

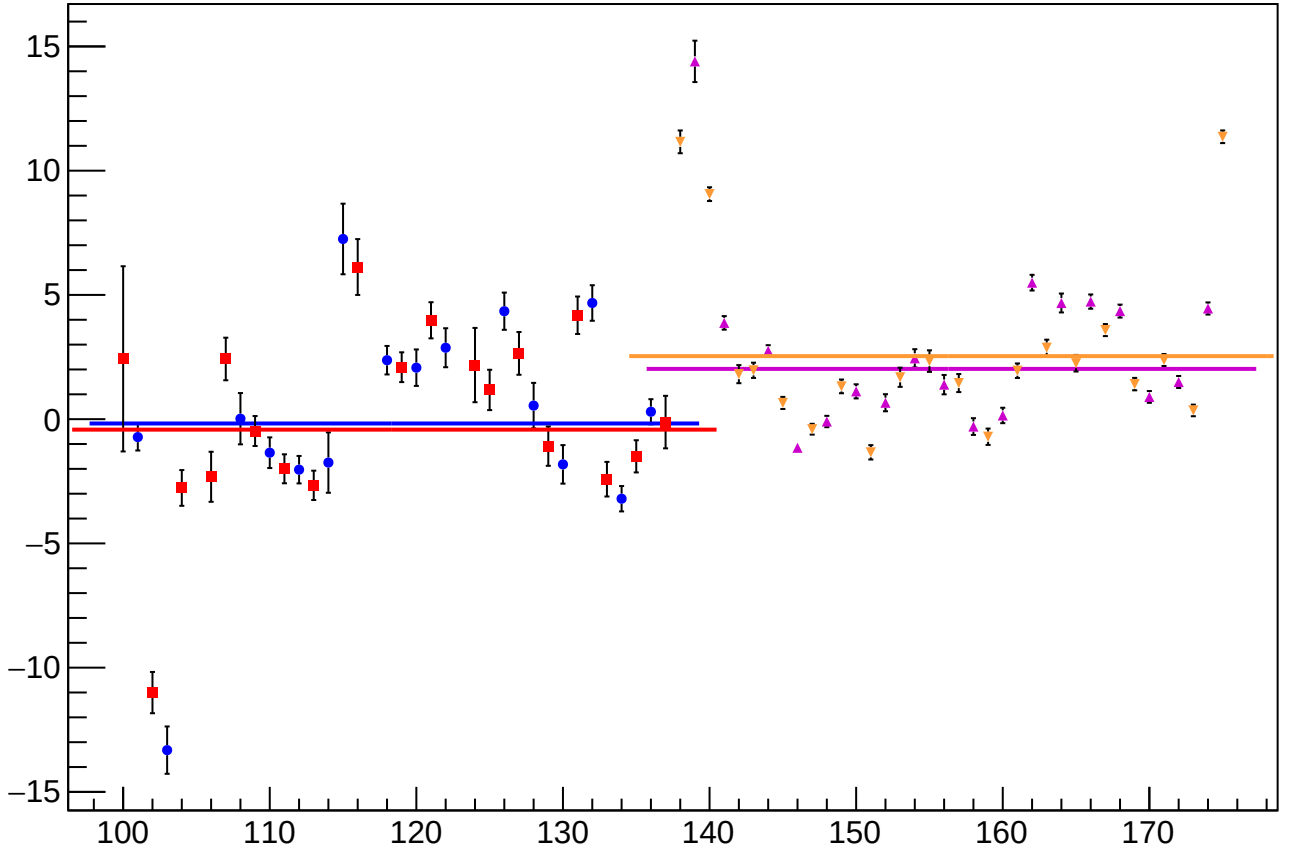
Left: -10.145+/-0.063 χ^2/NDF: 11007.2/37

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -7.228+/-0.079 χ^2/NDF:4986.2/33

Out: -8.449+/-0.076 χ^2/NDF:11989.7/38

All: -7.863+/-0.055 χ^2/NDF: 17100.5/72



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.537+/-0.064 χ^2/NDF:2797.4/19

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.023+/-0.066 χ^2/NDF:1207.6/17

Left: 2.287+/-0.046 χ^2/NDF: 4036.2/37

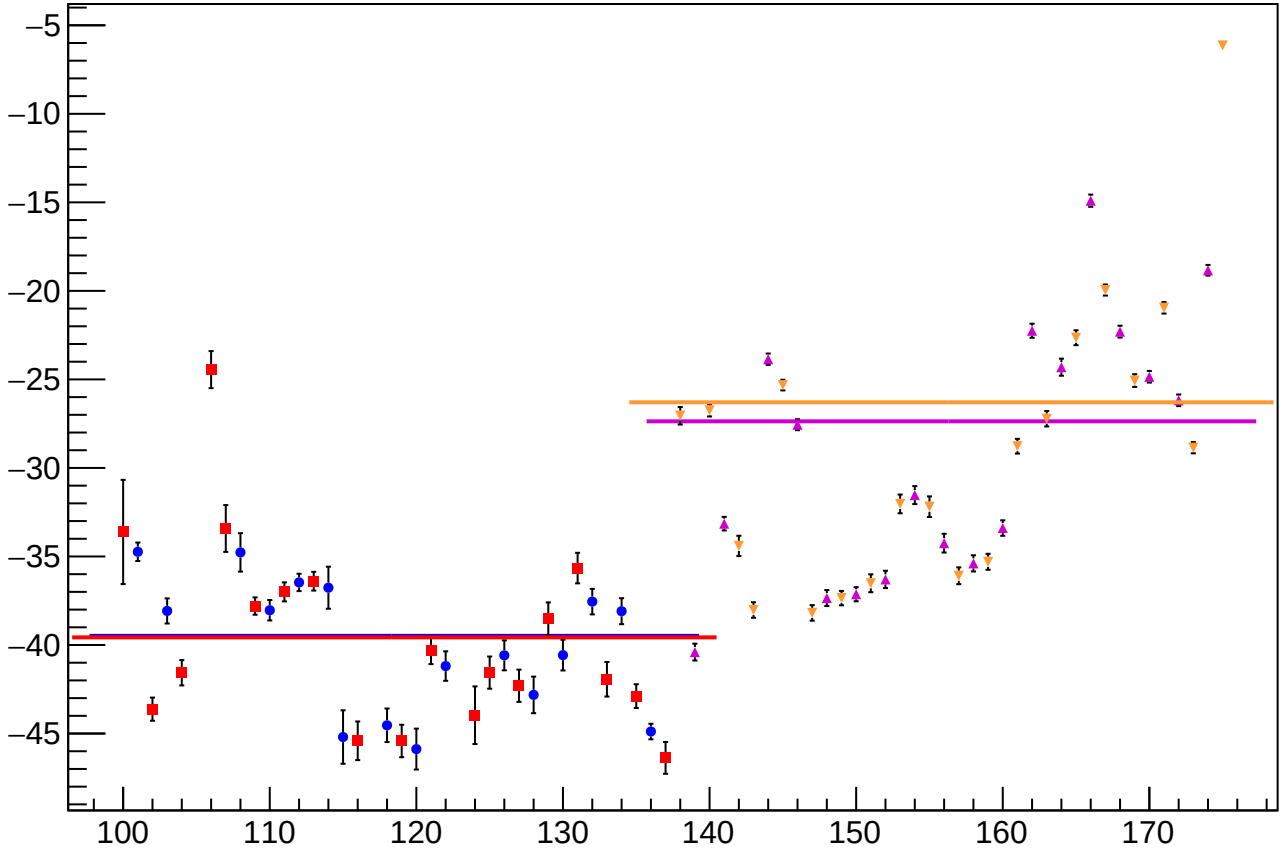
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.744+/-0.062 χ^2/NDF:1751.5/33

Out: 2.193+/-0.060 χ^2/NDF:3410.0/38

All: 1.973+/-0.043 χ^2/NDF: 5188.6/72

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -26.293+/-0.088 χ^2/NDF:10273.7/19

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -27.367+/-0.091 χ^2/NDF:5872.8/17

Left: -26.812+/-0.063 χ^2/NDF: 16219.1/37

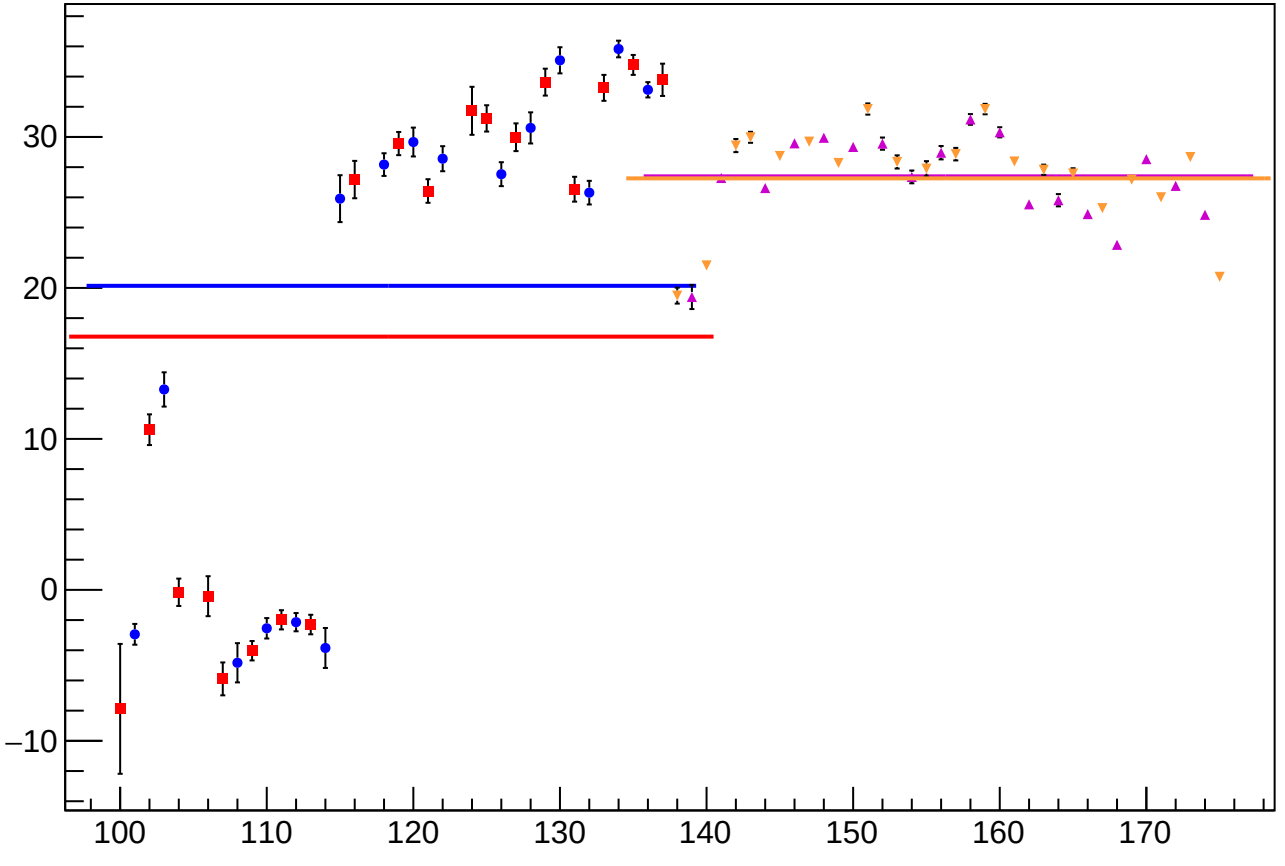
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -29.813+/-0.081 χ^2/NDF:9889.8/33

Out: -28.814+/-0.079 χ^2/NDF:15186.9/38

All: -29.300+/-0.056 χ^2/NDF: 25154.6/72

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.258+/-0.073 χ^2/NDF:1775.8/19

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.391+/-0.075 χ^2/NDF:981.2/17

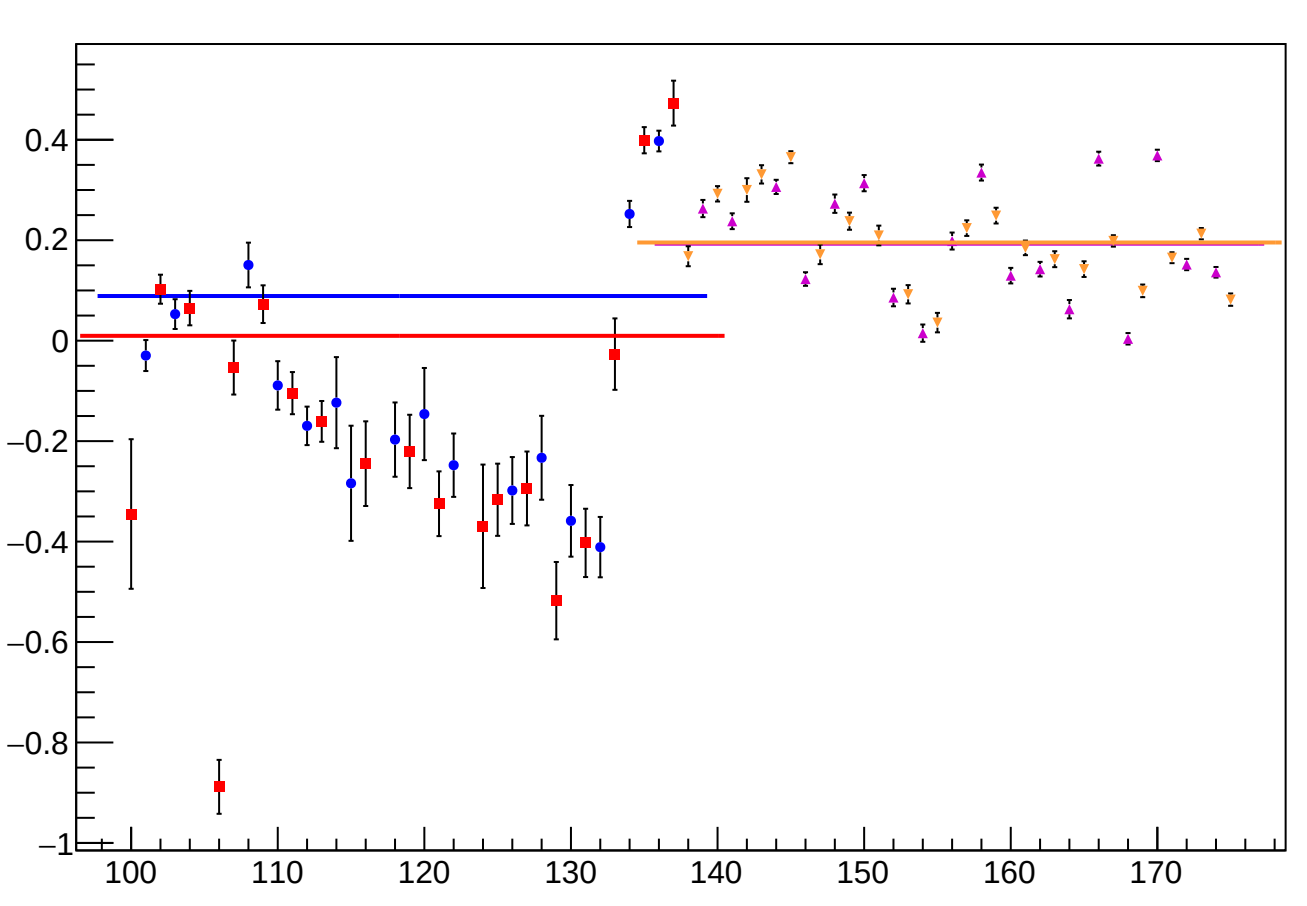
Left: 27.323+/-0.052 χ^2/NDF: 2758.6/37

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.447+/-0.070 χ^2/NDF:8872.1/33

Out: 26.020+/-0.069 χ^2/NDF:10944.8/38

All: 26.228+/-0.049 χ^2/NDF: 19835.8/72



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.195+/-0.003 χ^2/NDF:612.7/19

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.193+/-0.003 χ^2/NDF:1202.1/17

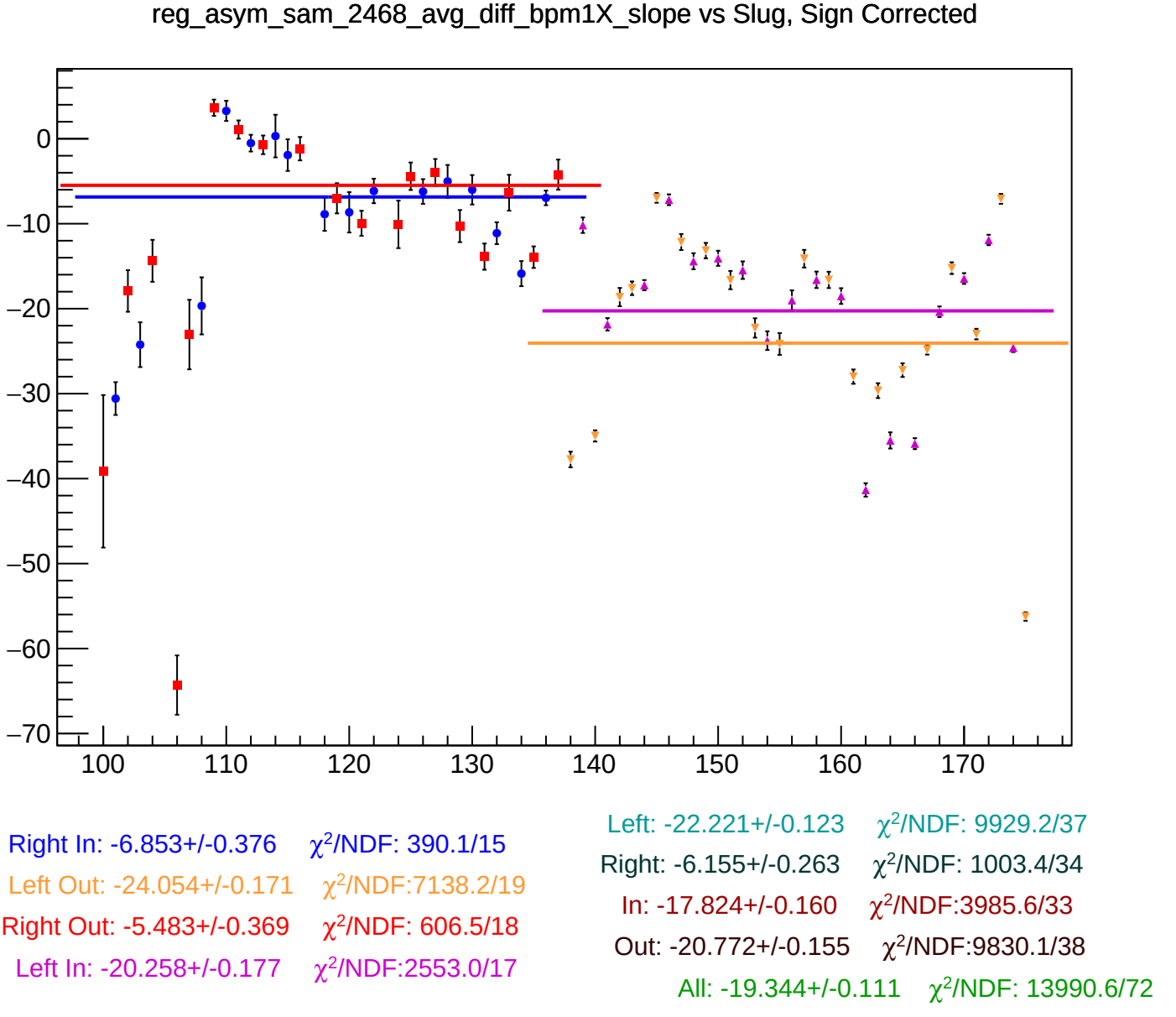
Left: 0.194+/-0.002 χ^2/NDF: 1815.1/37

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

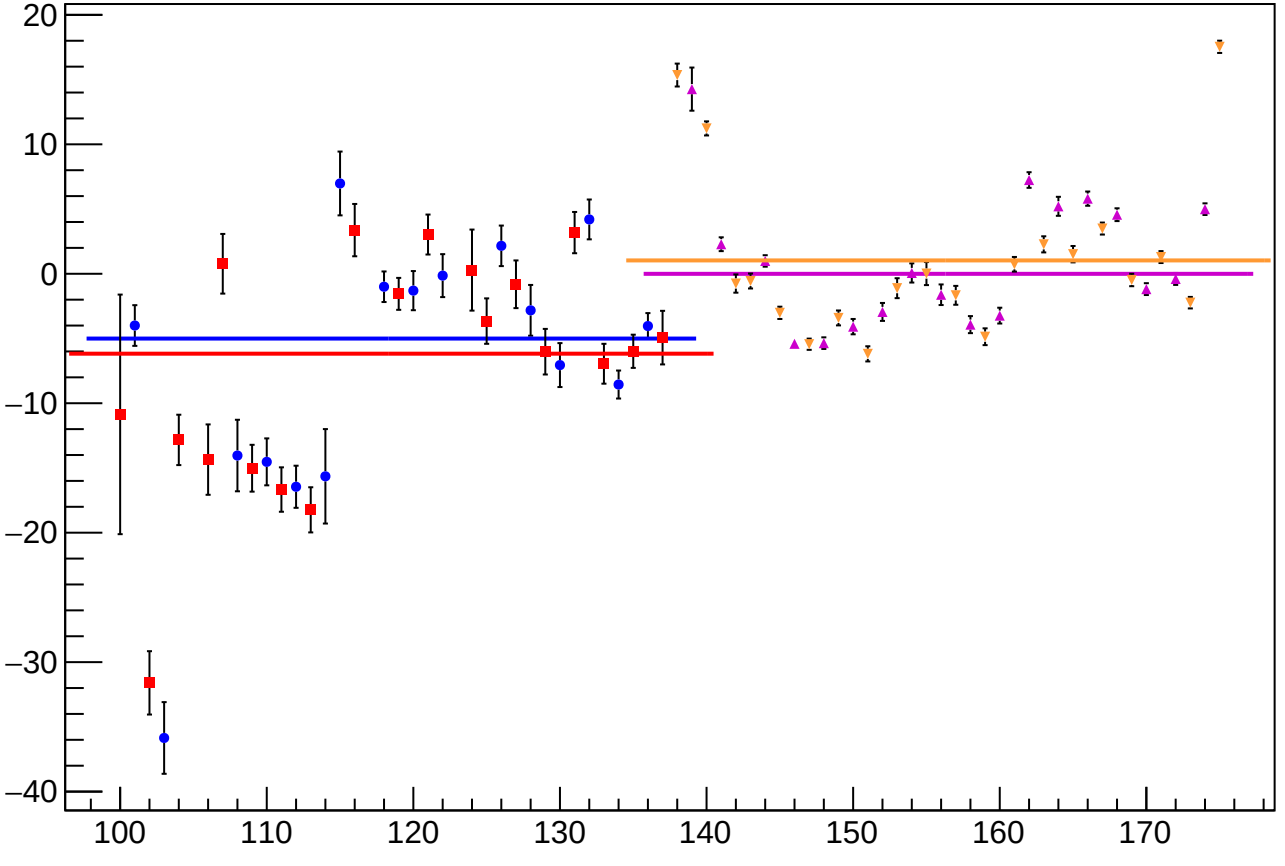
In: 0.183+/-0.003 χ^2/NDF:1856.6/33

Out: 0.180+/-0.003 χ^2/NDF:1708.4/38

All: 0.182+/-0.002 χ^2/NDF: 3565.5/72


reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -6.853+/-0.376 χ²/NDF: 390.1/15
Left Out: -24.054+/-0.171 χ²/NDF:7138.2/19
Right Out: -5.483+/-0.369 χ²/NDF: 606.5/18
Left In: -20.258+/-0.177 χ²/NDF:2553.0/17
Left: -22.221+/-0.123 χ²/NDF: 9929.2/37
Right: -6.155+/-0.263 χ²/NDF: 1003.4/34
In: -17.824+/-0.160 χ²/NDF:3985.6/33
Out: -20.772+/-0.155 χ²/NDF:9830.1/38
All: -19.344+/-0.111 χ²/NDF: 13990.6/72

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.032+/-0.125 χ^2/NDF:2543.9/19

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.004+/-0.128 χ^2/NDF:1102.0/17

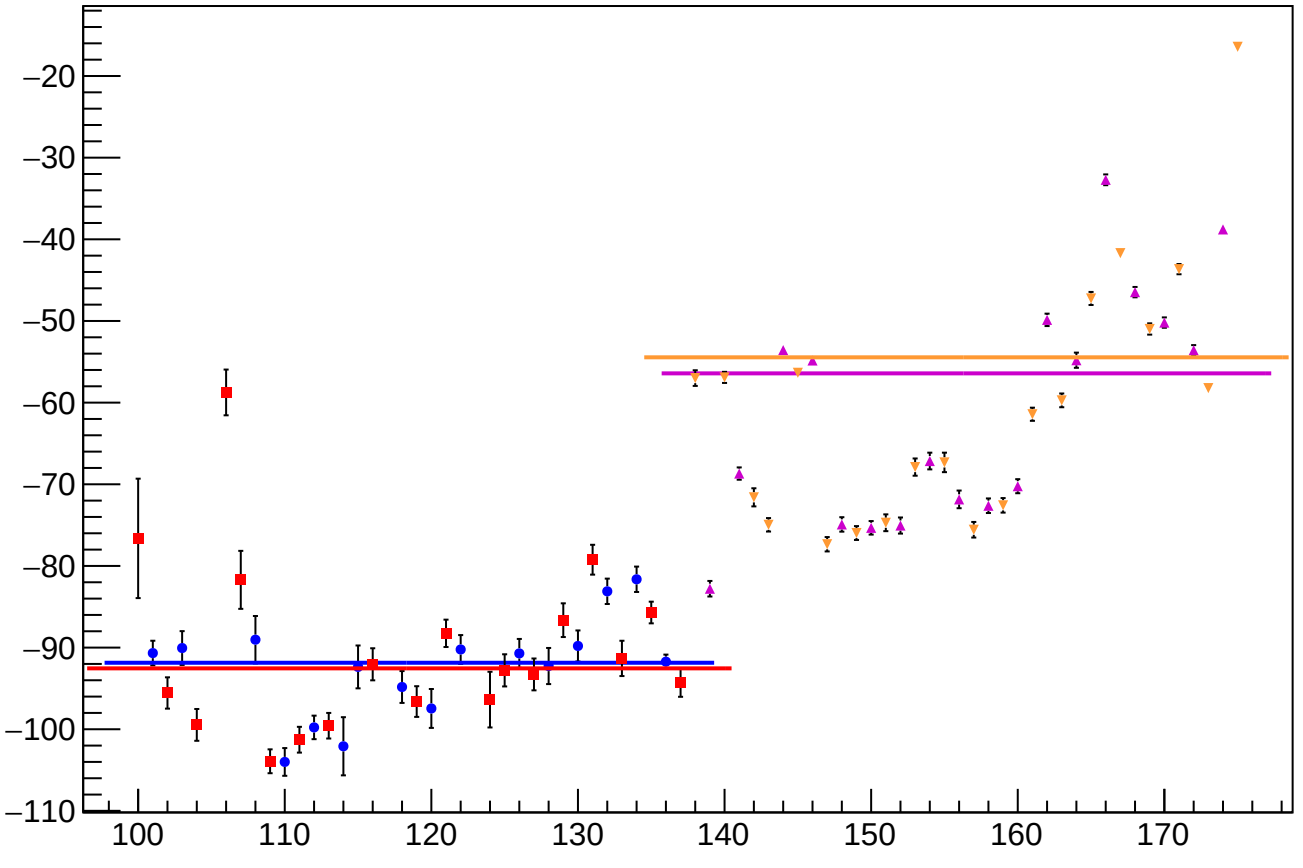
Left: 0.527+/-0.090 χ^2/NDF: 3679.3/37

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

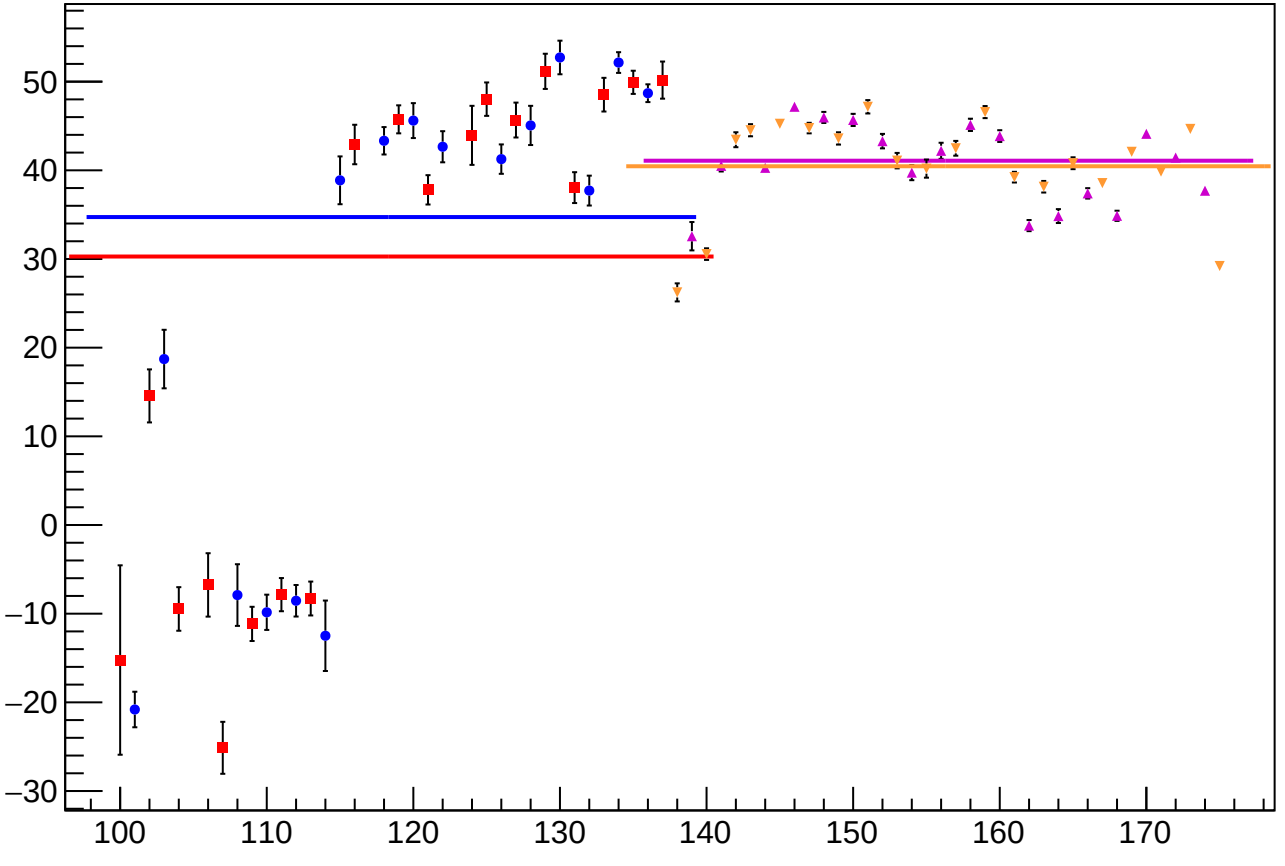
In: -0.481+/-0.122 χ^2/NDF:1588.4/33

Out: 0.436+/-0.120 χ^2/NDF:3187.5/38

All: -0.014+/-0.085 χ^2/NDF: 4804.6/72


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -91.856+/-0.424 χ²/NDF: 177.3/15
Left Out: -54.452+/-0.170 χ²/NDF:10489.4/19
Right Out: -92.544+/-0.439 χ²/NDF: 387.8/18
Left In: -56.417+/-0.176 χ²/NDF:6002.0/17
Left: -55.400+/-0.122 χ²/NDF: 16555.8/37
Right: -92.188+/-0.305 χ²/NDF: 566.3/34
In: -61.631+/-0.163 χ²/NDF:12136.3/33
Out: -59.417+/-0.159 χ²/NDF:17417.5/38
All: -60.496+/-0.114 χ²/NDF: 29648.7/72

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.458+/-0.142 χ^2/NDF:1419.6/19

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.084+/-0.146 χ^2/NDF:812.7/17

Left: 40.762+/-0.102 χ^2/NDF: 2241.6/37

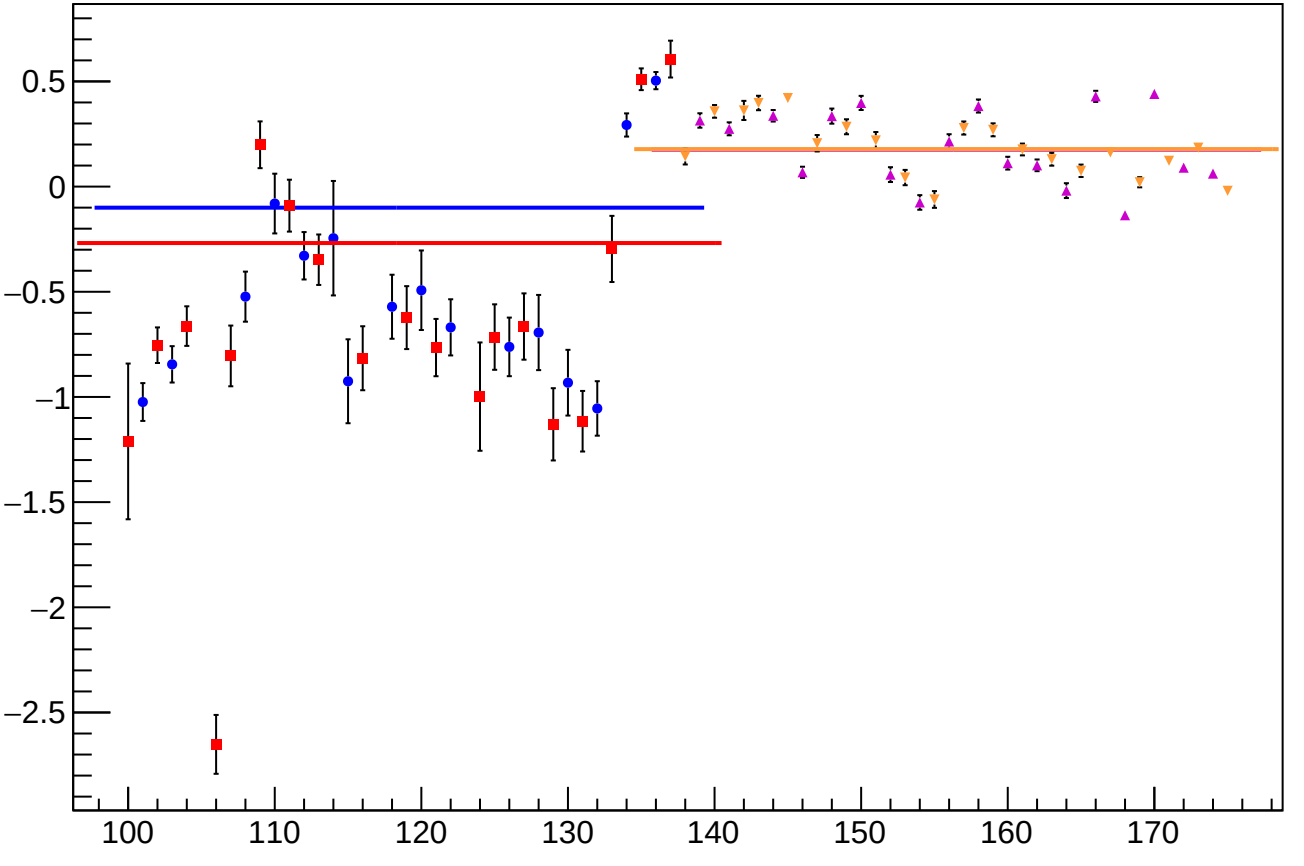
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.457+/-0.139 χ^2/NDF:3808.2/33

Out: 39.598+/-0.136 χ^2/NDF:4765.5/38

All: 40.018+/-0.097 χ^2/NDF: 8593.2/72

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.178+/-0.006 χ^2/NDF:418.9/19

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.175+/-0.007 χ^2/NDF:786.6/17

Left: 0.177+/-0.005 χ^2/NDF: 1205.6/37

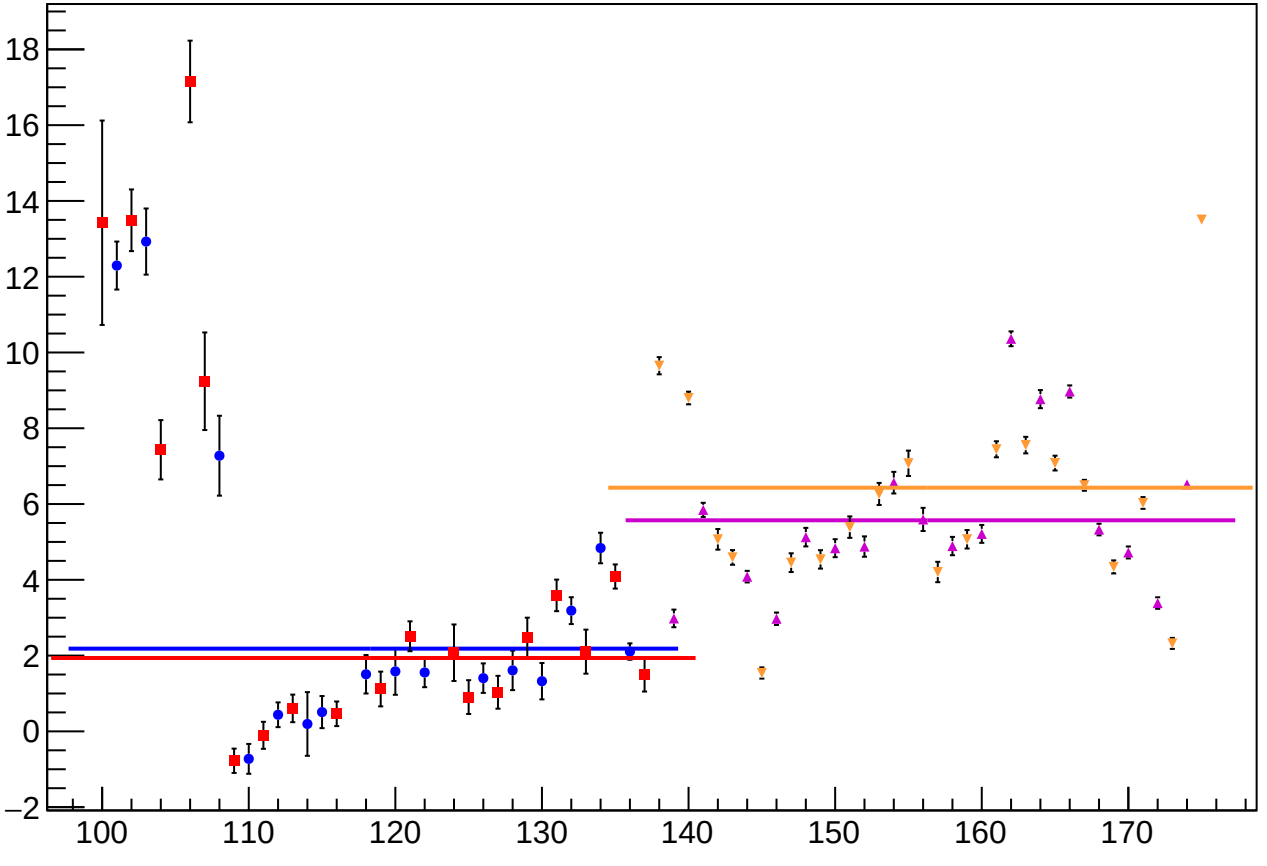
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.156+/-0.006 χ^2/NDF:1540.6/33

Out: 0.153+/-0.006 χ^2/NDF:1512.3/38

All: 0.155+/-0.004 χ^2/NDF: 3053.0/72

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 6.432+/-0.043 χ^2/NDF:6283.7/19

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.571+/-0.044 χ^2/NDF:2036.8/17

Left: 6.017+/-0.031 χ^2/NDF: 8515.3/37

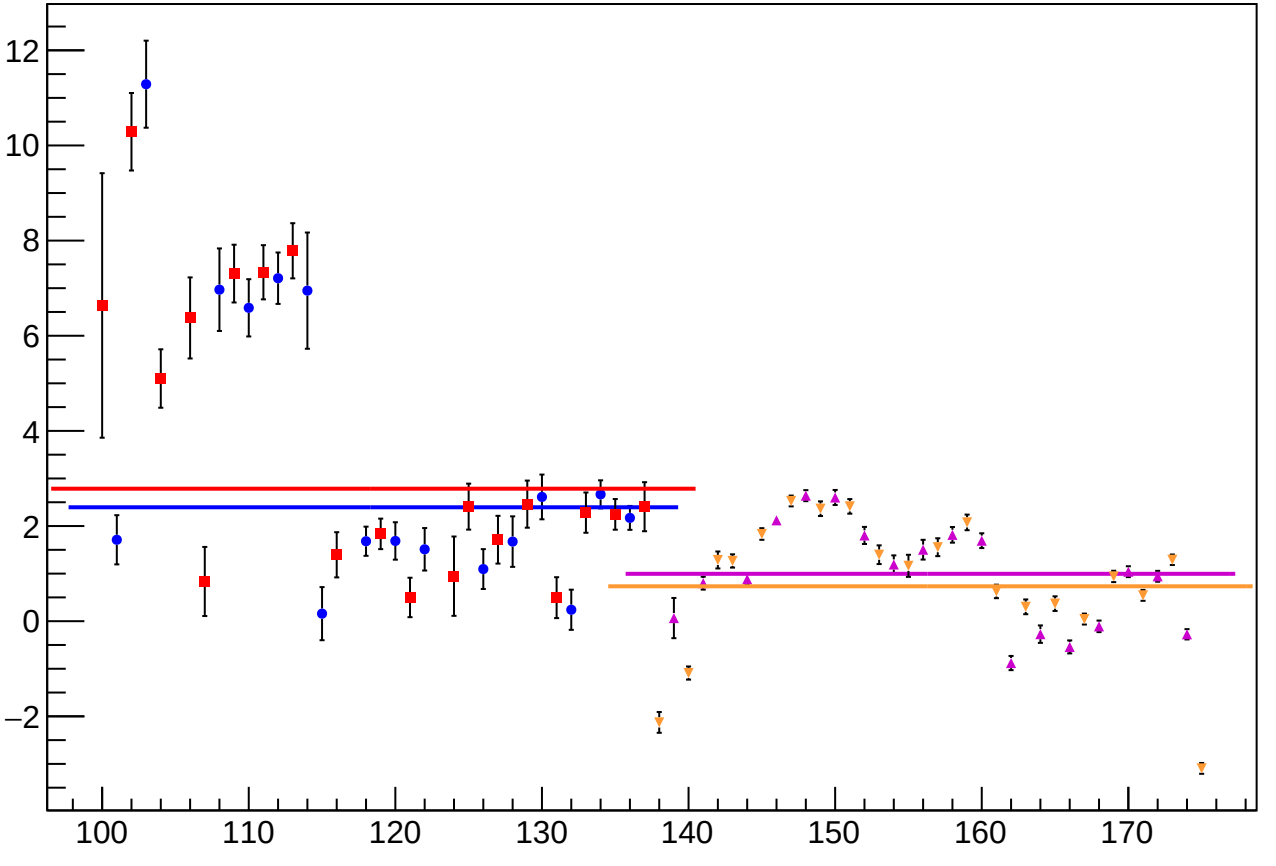
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.056+/-0.041 χ^2/NDF:3518.9/33

Out: 5.796+/-0.040 χ^2/NDF:8560.3/38

All: 5.438+/-0.028 χ^2/NDF: 12247.8/72

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.733+/-0.031 χ^2/NDF:2242.9/19

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.996+/-0.032 χ^2/NDF:1078.0/17

Left: 0.861+/-0.023 χ^2/NDF: 3354.7/37

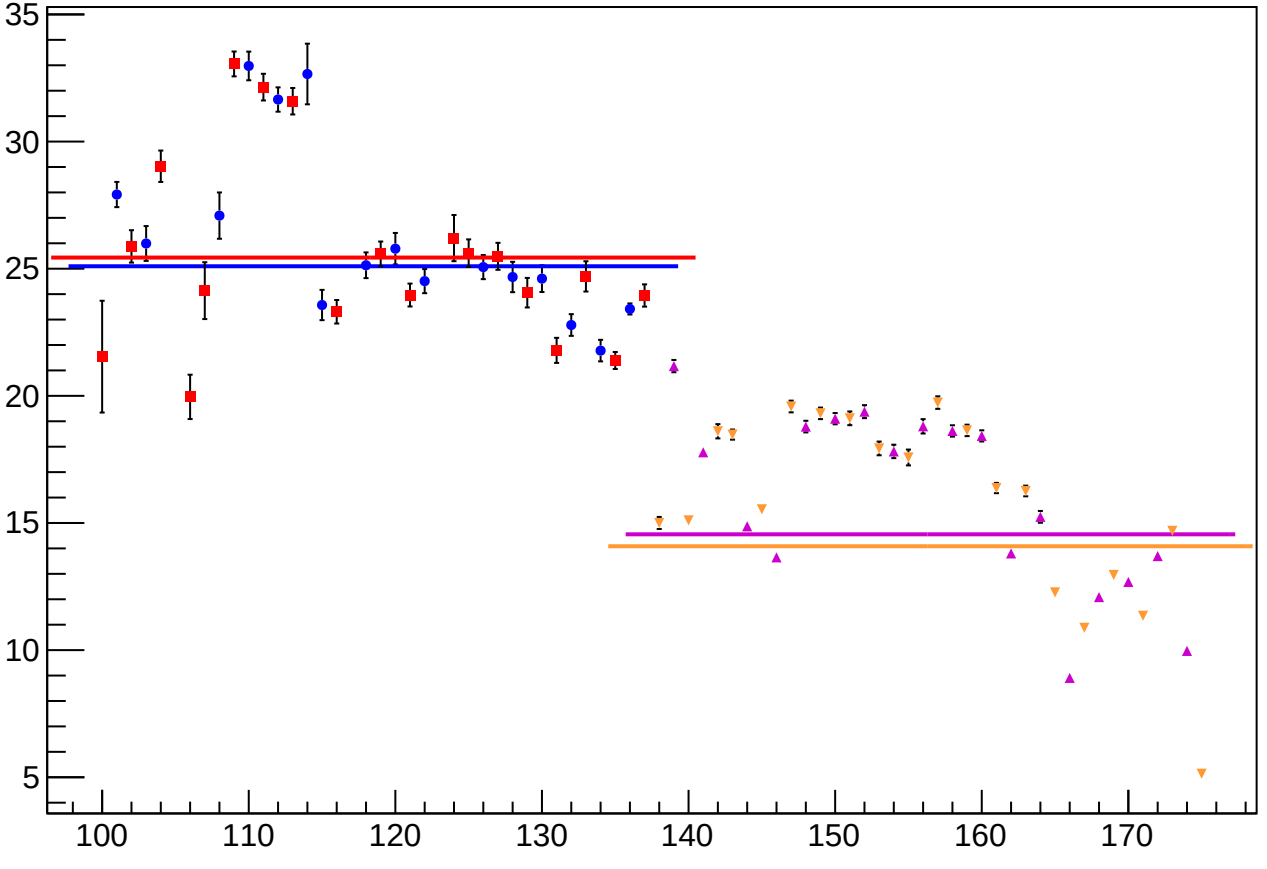
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.110+/-0.031 χ^2/NDF:1564.9/33

Out: 0.874+/-0.030 χ^2/NDF:2945.7/38

All: 0.990+/-0.022 χ^2/NDF: 4540.1/72

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 14.085+/-0.043 χ^2/NDF:10224.1/19

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 14.554+/-0.044 χ^2/NDF:6009.4/17

Left: 14.311+/-0.031 χ^2/NDF: 16291.9/37

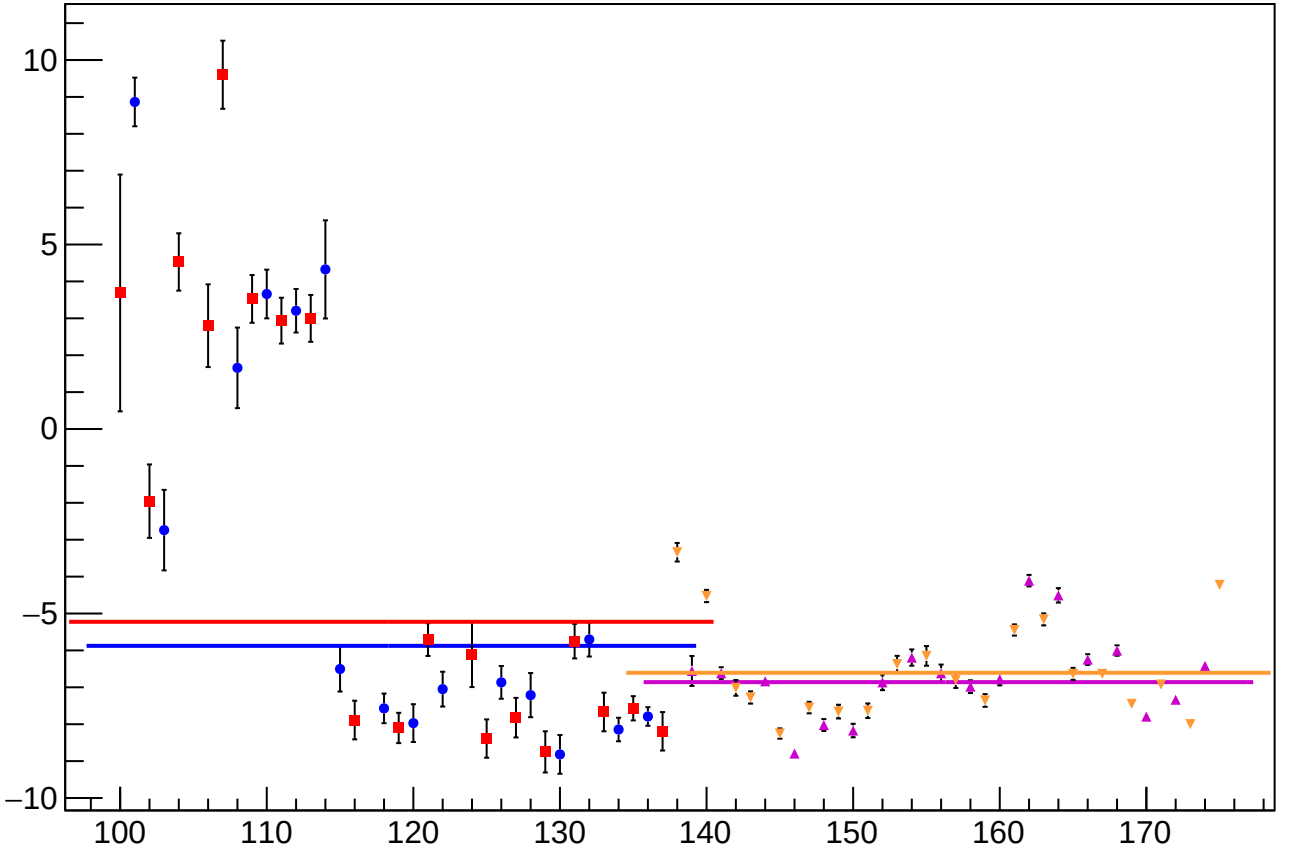
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 15.866+/-0.041 χ^2/NDF:13675.9/33

Out: 15.284+/-0.040 χ^2/NDF:18596.6/38

All: 15.567+/-0.029 χ^2/NDF: 32373.8/72

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.606+/-0.036 χ^2/NDF:1323.9/19

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.860+/-0.037 χ^2/NDF:975.2/17

Left: -6.729+/-0.026 χ^2/NDF: 2323.6/37

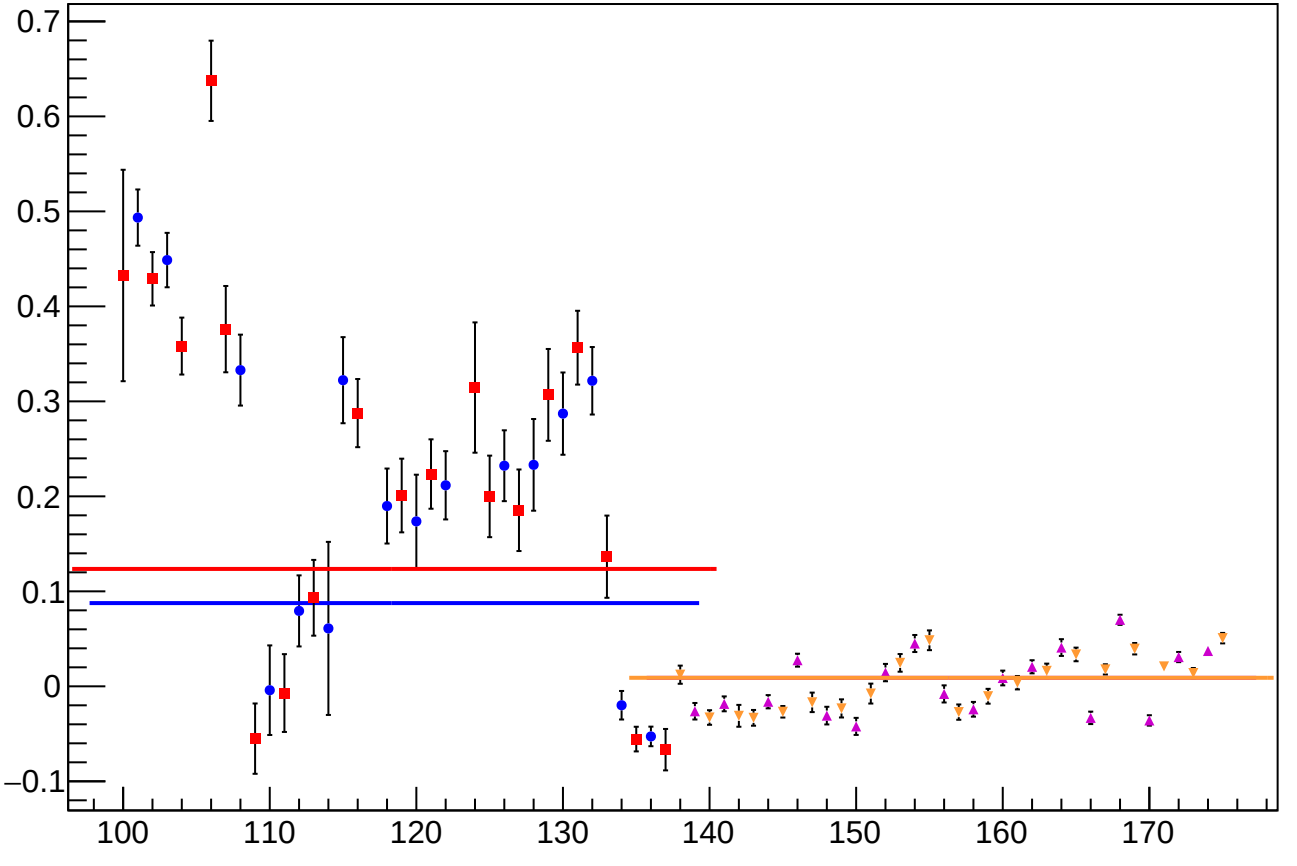
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.776+/-0.035 χ^2/NDF:2287.4/33

Out: -6.509+/-0.034 χ^2/NDF:2721.8/38

All: -6.639+/-0.025 χ^2/NDF: 5038.7/72

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.009+/-0.002 χ^2/NDF:271.4/19

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.009+/-0.002 χ^2/NDF:446.0/17

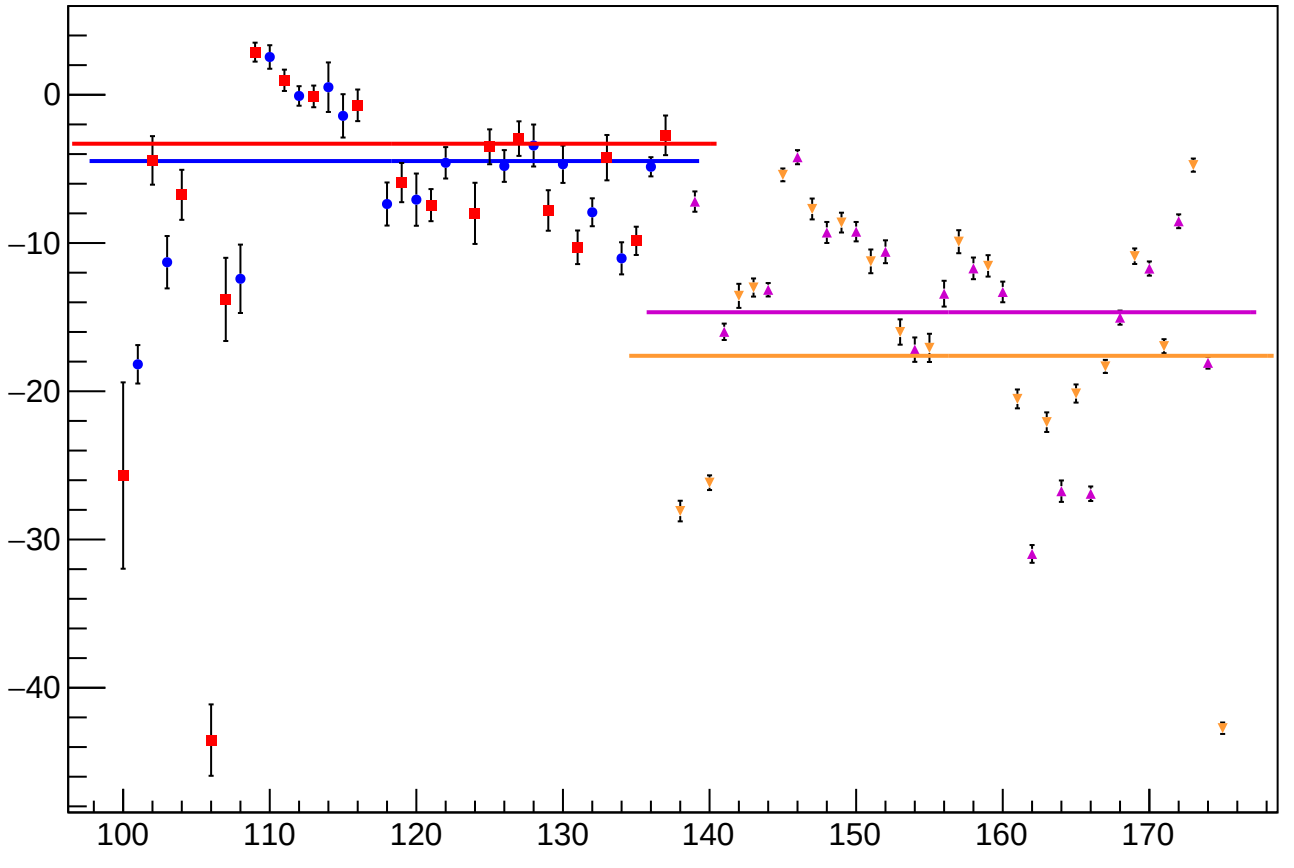
Left: 0.009+/-0.001 χ^2/NDF: 717.4/37

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

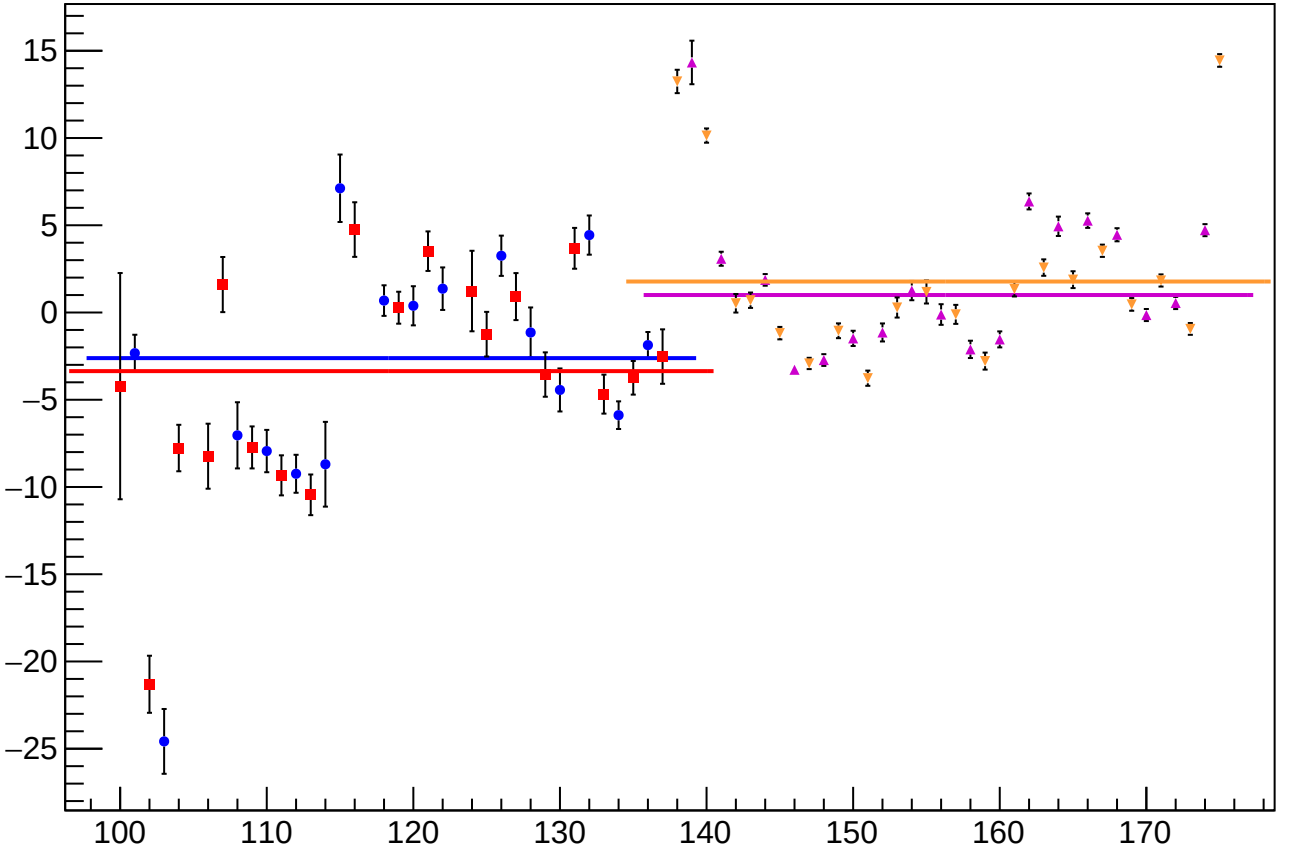
In: 0.014+/-0.002 χ^2/NDF:1348.2/33

Out: 0.014+/-0.002 χ^2/NDF:1266.8/38

All: 0.014+/-0.001 χ^2/NDF: 2615.2/72


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -17.608+/-0.129 χ²/NDF:7347.4/19
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -14.669+/-0.134 χ²/NDF:2731.3/17
Left: -16.188+/-0.093 χ²/NDF: 10328.8/37
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -12.645+/-0.120 χ²/NDF:4220.0/33
Out: -14.791+/-0.116 χ²/NDF:10348.1/38
All: -13.753+/-0.083 χ²/NDF: 14734.4/72

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.776+/-0.094 χ^2/NDF:2634.3/19

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.002+/-0.097 χ^2/NDF:1127.2/17

Left: 1.399+/-0.068 χ^2/NDF: 3794.2/37

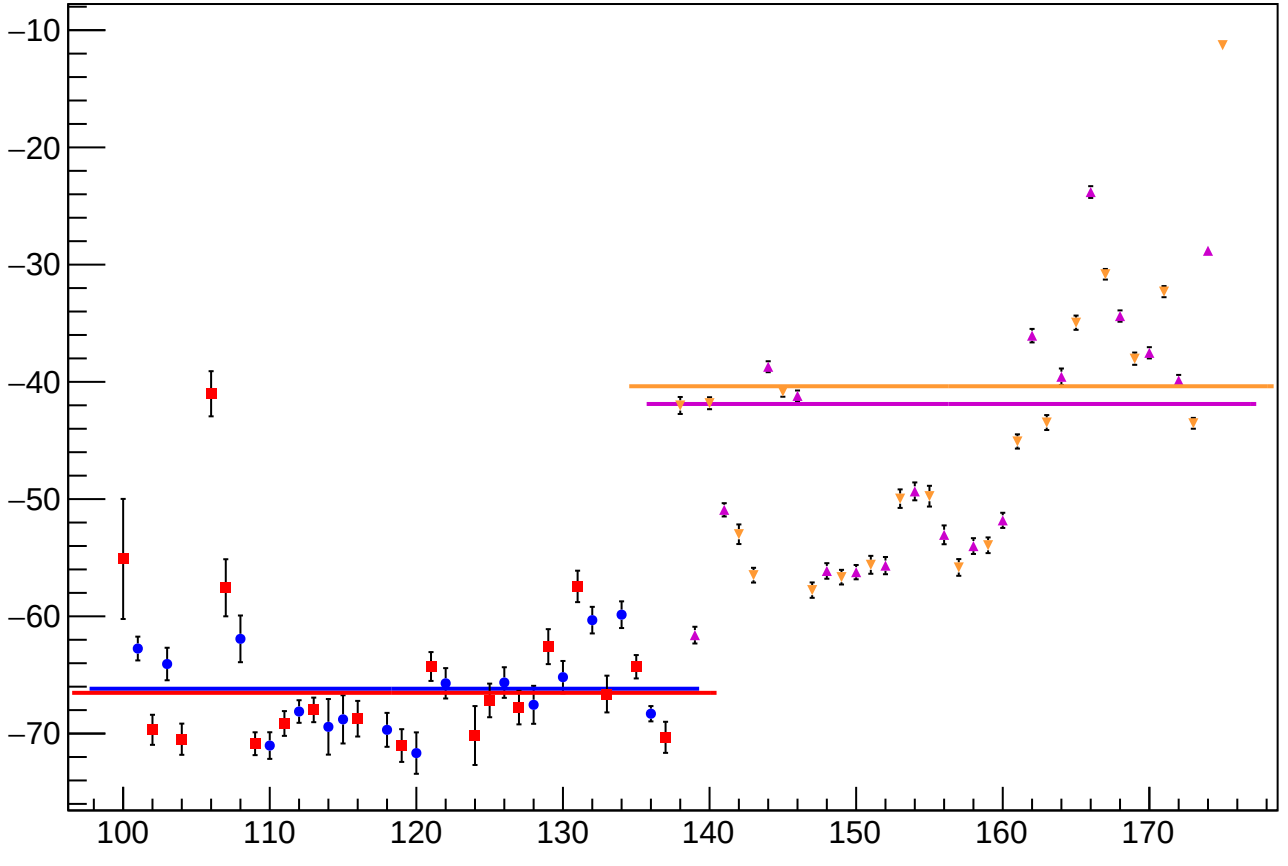
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.630+/-0.092 χ^2/NDF:1622.8/33

Out: 1.310+/-0.090 χ^2/NDF:3262.6/38

All: 0.976+/-0.064 χ^2/NDF: 4913.5/72

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -40.375+/-0.128 χ^2/NDF:10464.7/19

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -41.886+/-0.133 χ^2/NDF:5970.5/17

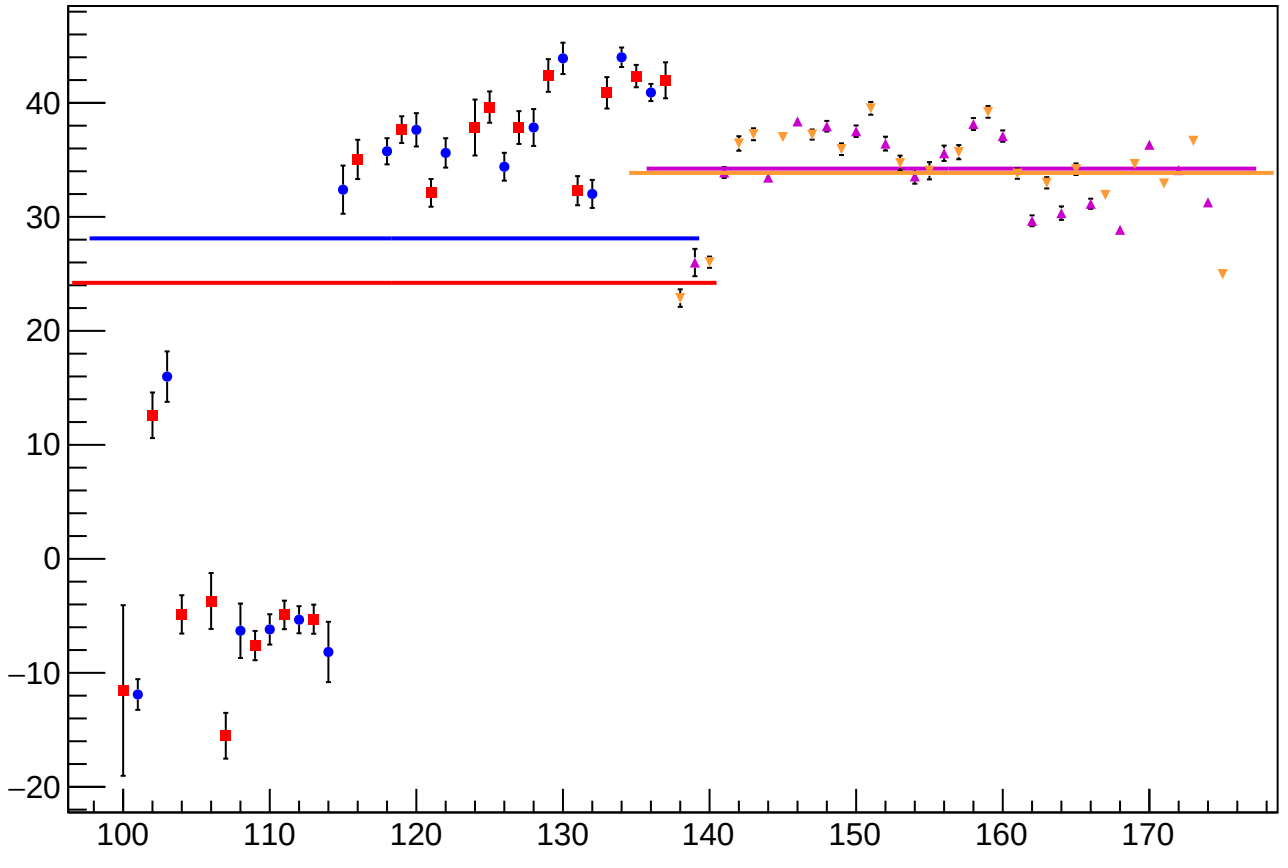
Left: -41.104+/-0.092 χ^2/NDF: 16502.2/37

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -45.776+/-0.122 χ^2/NDF:11450.2/33

Out: -44.152+/-0.119 χ^2/NDF:16779.2/38

All: -44.943+/-0.085 χ^2/NDF: 28320.5/72



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.856+/-0.107 χ^2/NDF:1511.6/19

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.233+/-0.110 χ^2/NDF:832.9/17

Left: 34.039+/-0.077 χ^2/NDF: 2350.5/37

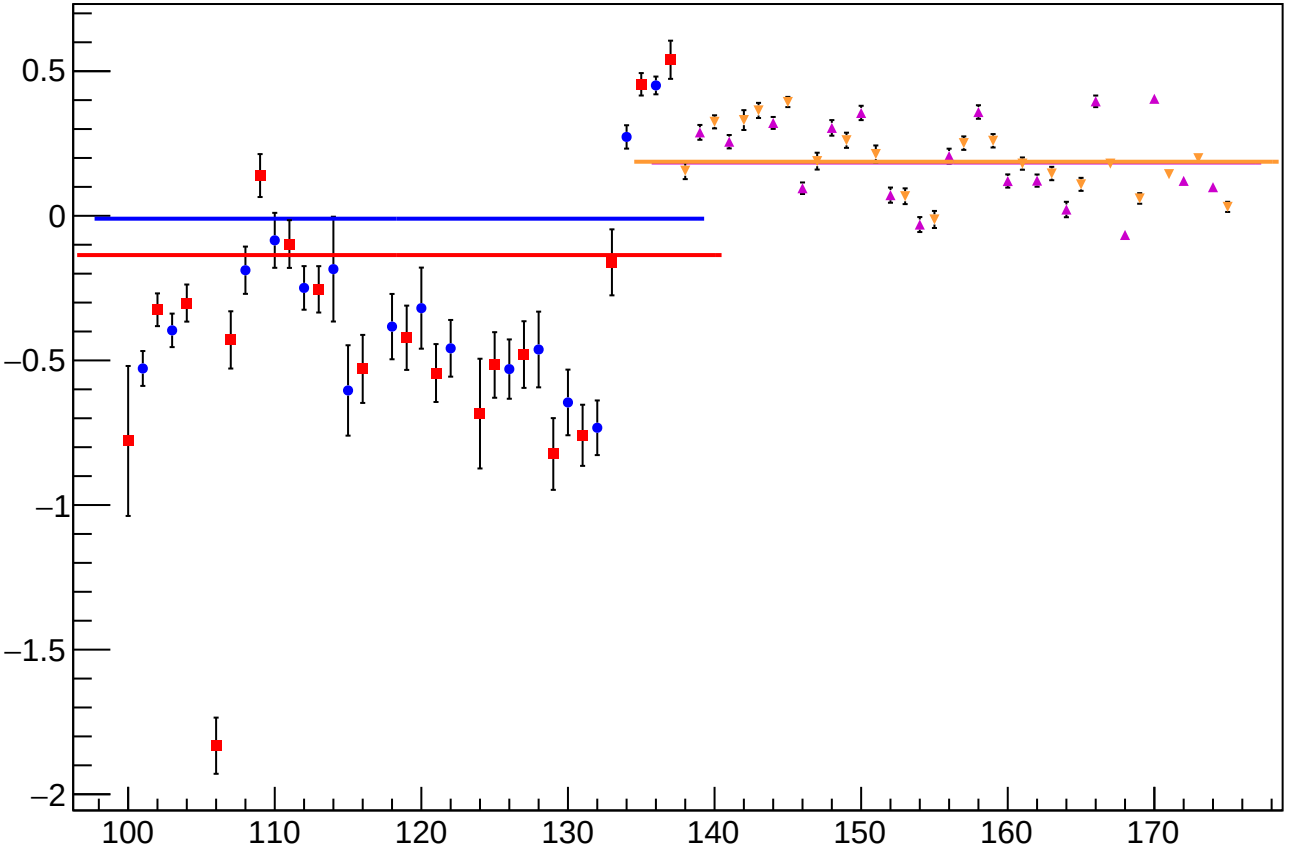
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.582+/-0.104 χ^2/NDF:4887.7/33

Out: 32.965+/-0.102 χ^2/NDF:6102.8/38

All: 33.267+/-0.073 χ^2/NDF: 11008.4/72

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.187+/-0.005 χ^2/NDF:480.3/19

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.184+/-0.005 χ^2/NDF:920.6/17

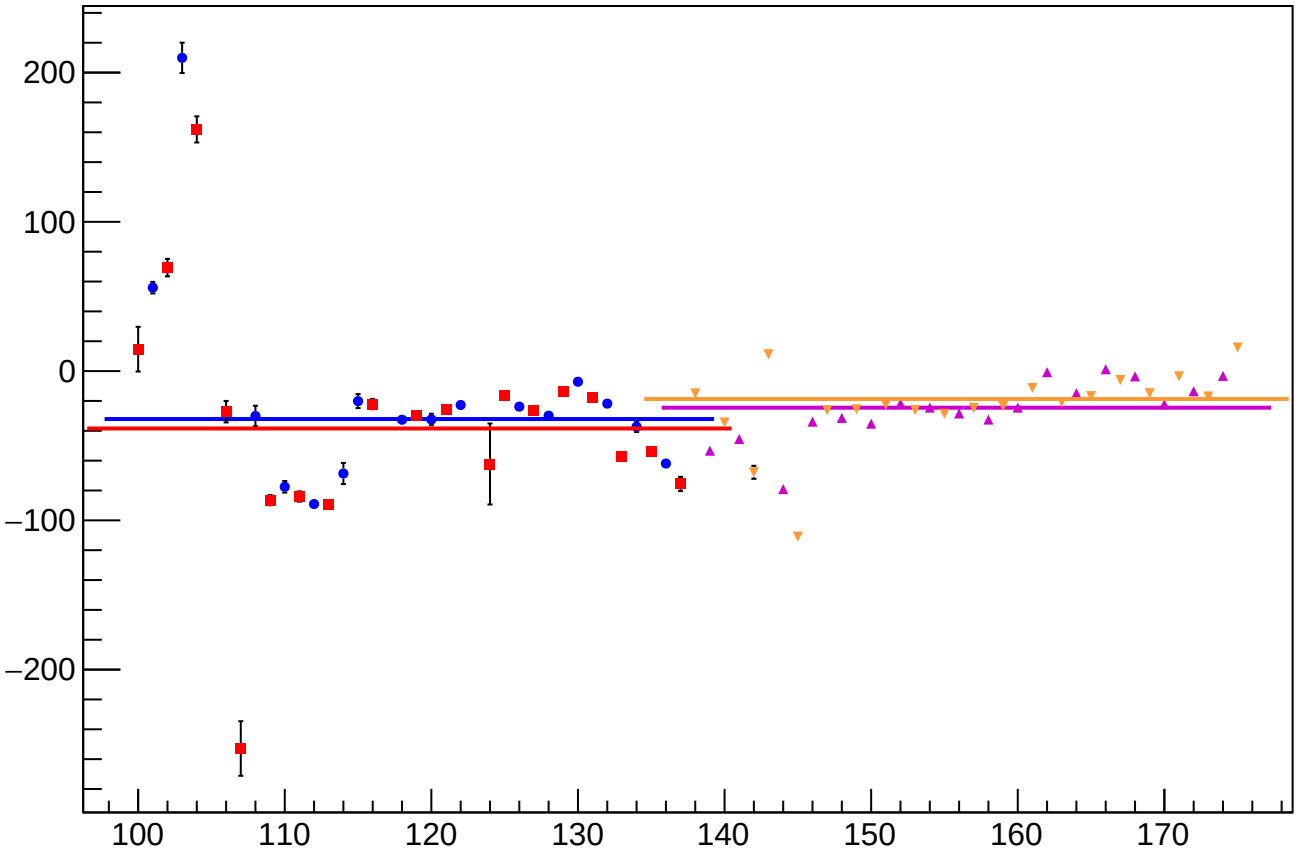
Left: 0.186+/-0.003 χ^2/NDF: 1401.0/37

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.170+/-0.005 χ^2/NDF:1624.2/33

Out: 0.167+/-0.005 χ^2/NDF:1574.2/38

All: 0.168+/-0.003 χ^2/NDF: 3198.6/72



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -18.684+/-0.615 χ^2/NDF:1521.8/19

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -24.523+/-0.645 χ^2/NDF:933.1/17

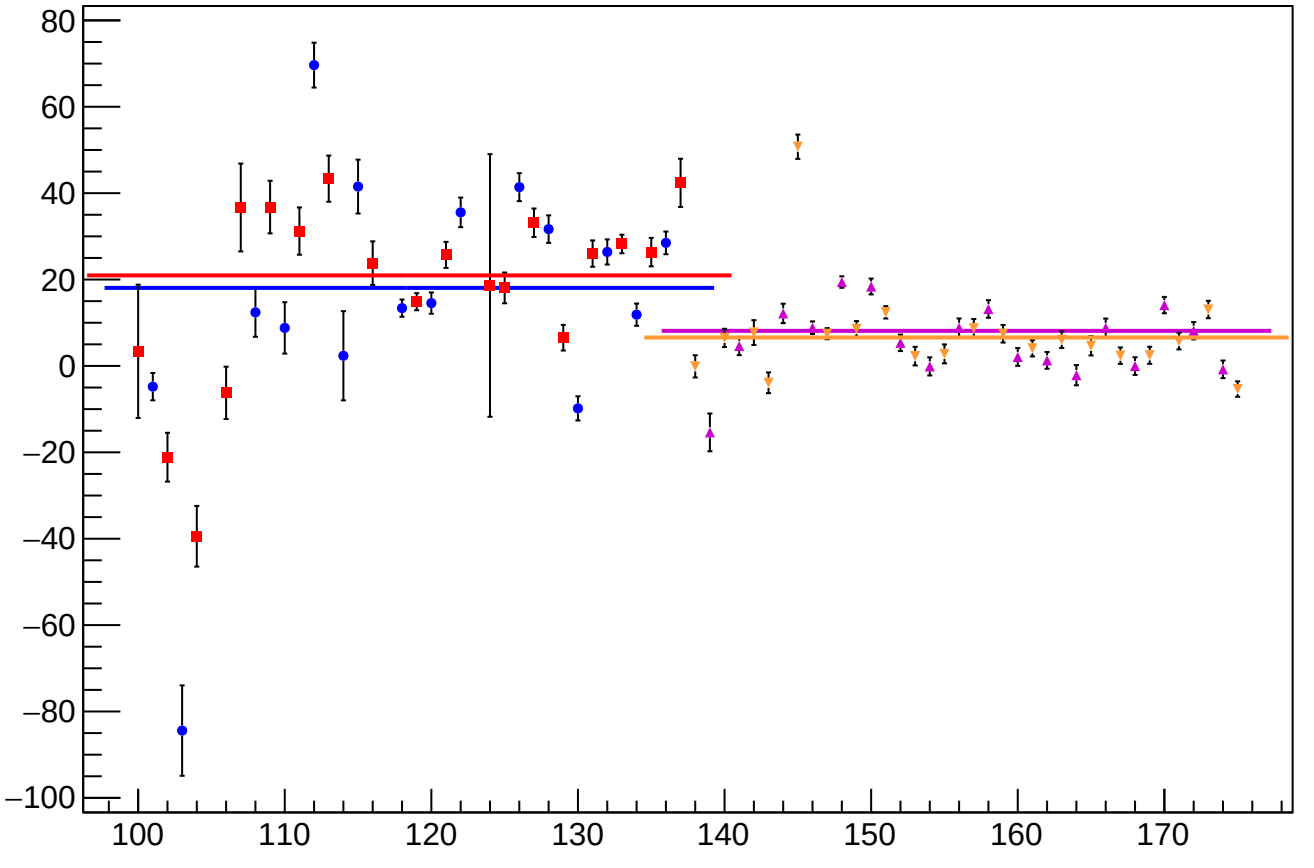
Left: -21.467+/-0.445 χ^2/NDF: 2497.8/37

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -27.326+/-0.512 χ^2/NDF:2861.8/33

Out: -25.333+/-0.501 χ^2/NDF:3841.8/38

All: -26.309+/-0.358 χ^2/NDF: 6711.3/72



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.584+/-0.439 χ^2/NDF:365.2/19

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.124+/-0.462 χ^2/NDF:249.0/17

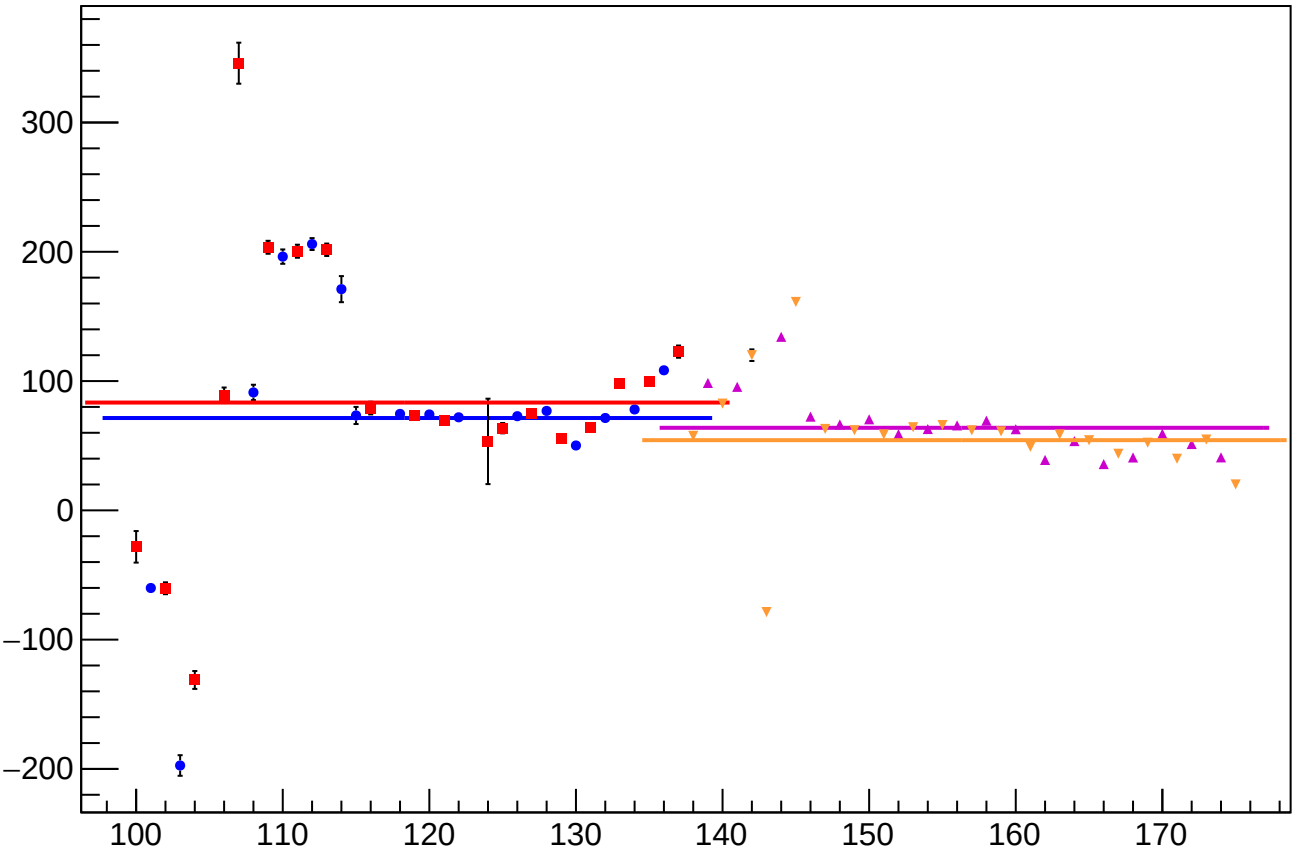
Left: 7.315+/-0.318 χ^2/NDF: 620.0/37

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.511+/-0.403 χ^2/NDF:859.5/33

Out: 9.512+/-0.392 χ^2/NDF:846.1/38

All: 9.998+/-0.281 χ^2/NDF: 1708.8/72



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 54.290+/-0.604 χ^2/NDF:3401.1/19

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 63.855+/-0.634 χ^2/NDF:1259.2/17

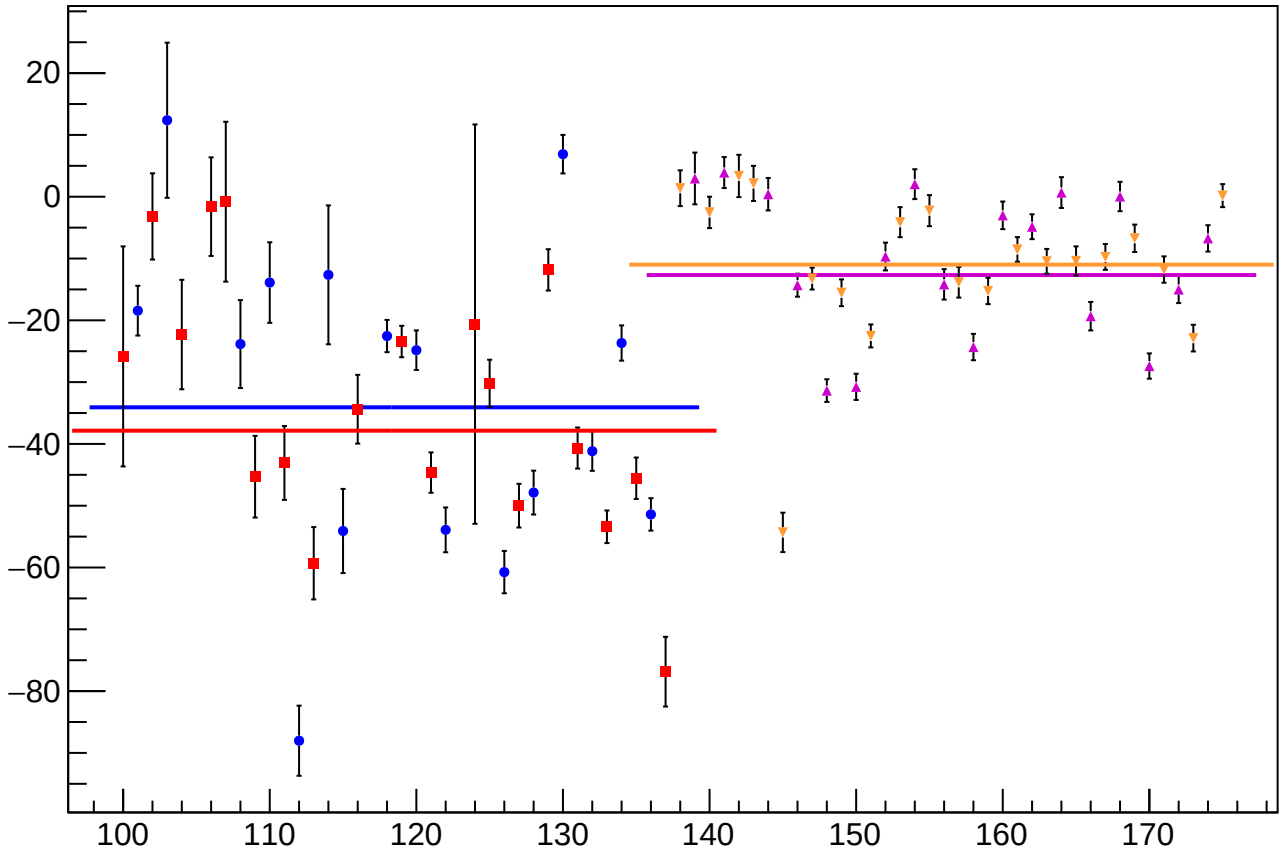
Left: 58.847+/-0.437 χ^2/NDF: 4779.6/37

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 66.250+/-0.524 χ^2/NDF:6123.9/33

Out: 62.248+/-0.515 χ^2/NDF:8332.1/38

All: 64.215+/-0.367 χ^2/NDF: 14485.6/72



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.986+/-0.503 χ^2/NDF:395.3/19

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.674+/-0.530 χ^2/NDF:488.9/17

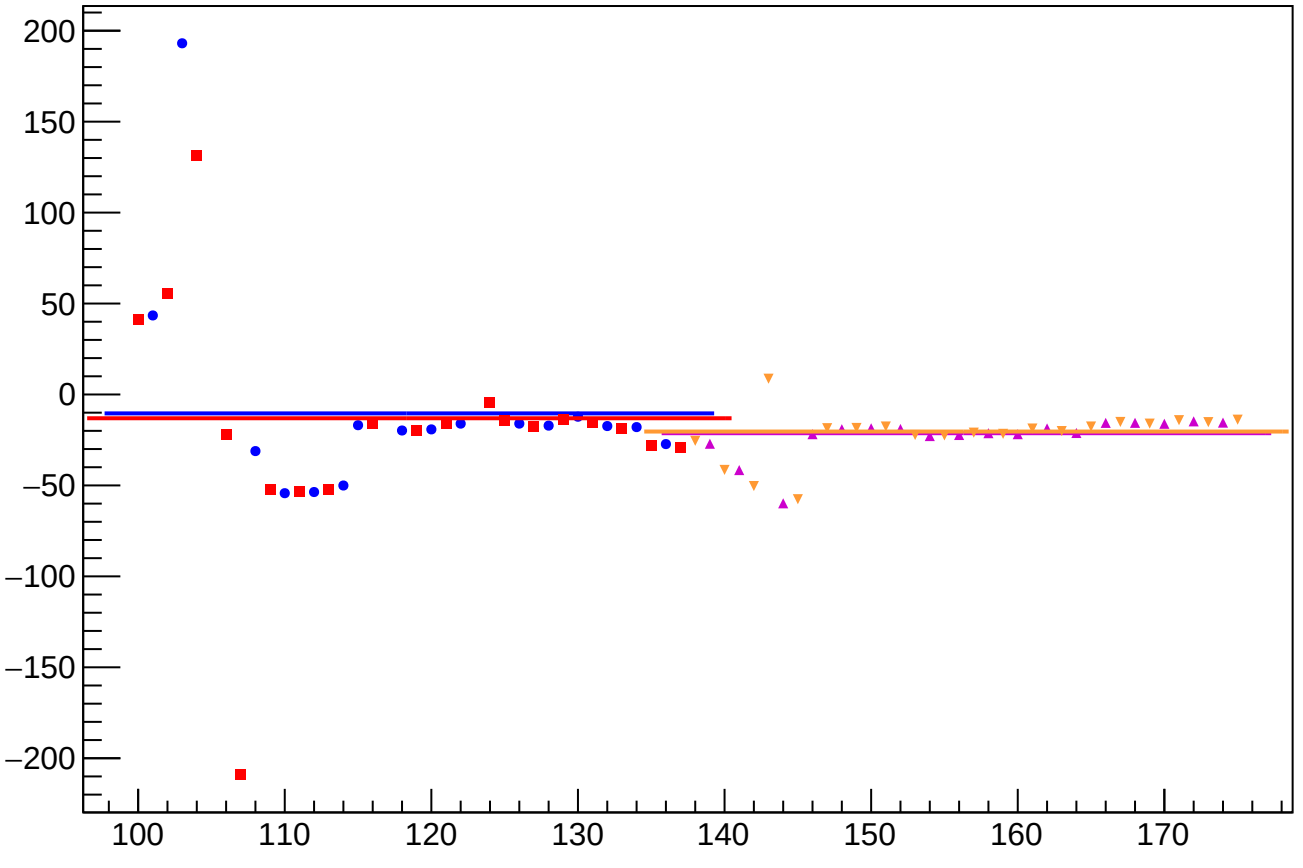
Left: -11.787+/-0.365 χ^2/NDF: 889.6/37

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -17.814+/-0.462 χ^2/NDF:1392.2/33

Out: -16.467+/-0.449 χ^2/NDF:1251.7/38

All: -17.122+/-0.322 χ^2/NDF: 2648.3/72



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -20.377+/-0.023 χ^2/NDF:211567.9/19

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -21.290+/-0.023 χ^2/NDF:130812.9/17

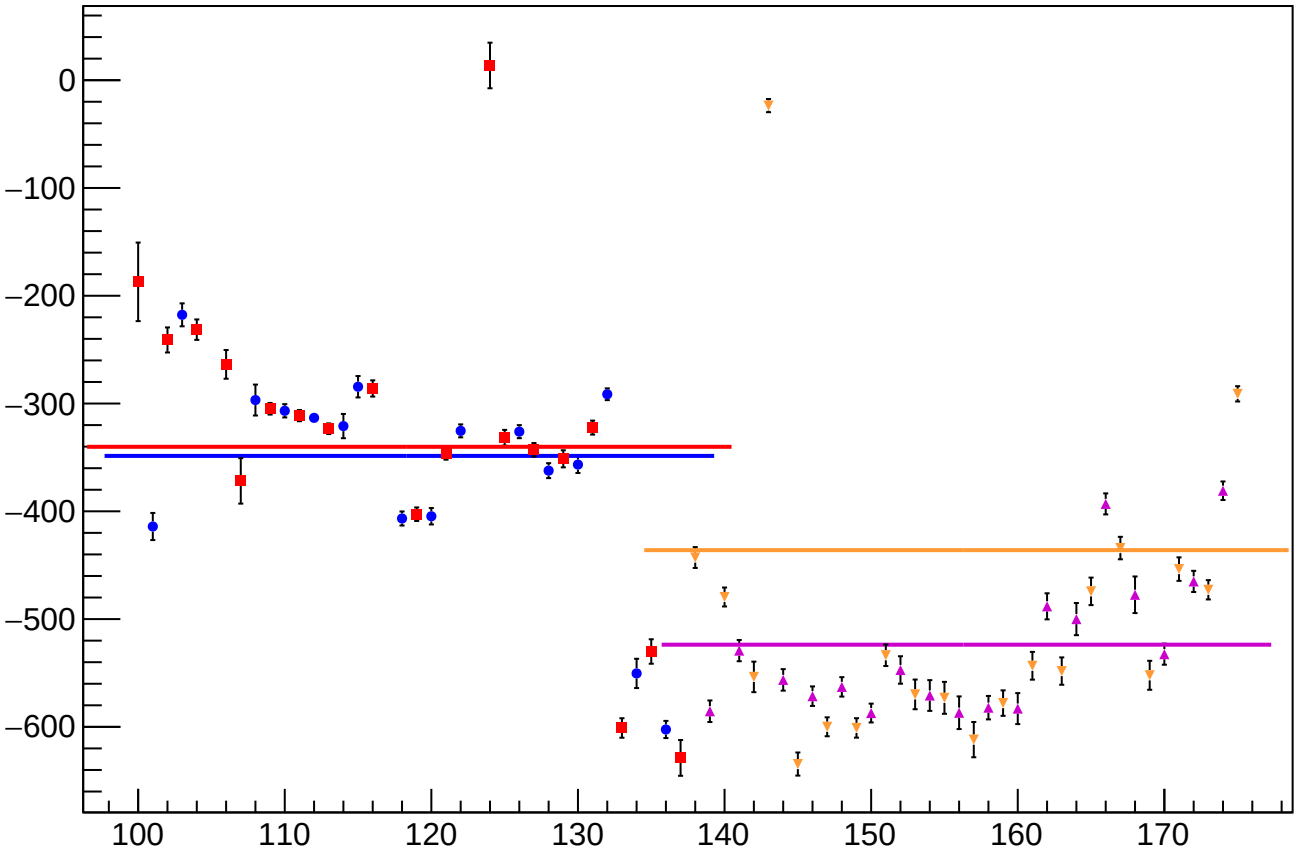
Left: -20.824+/-0.016 χ^2/NDF: 343162.0/37

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.719+/-0.022 χ^2/NDF:684579.6/33

Out: -19.520+/-0.021 χ^2/NDF:673185.3/38

All: -19.619+/-0.015 χ^2/NDF: 1357807.3/72



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -436.037+/-2.272 χ^2/NDF:6861.4/19

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -523.764+/-2.530 χ^2/NDF:735.6/17

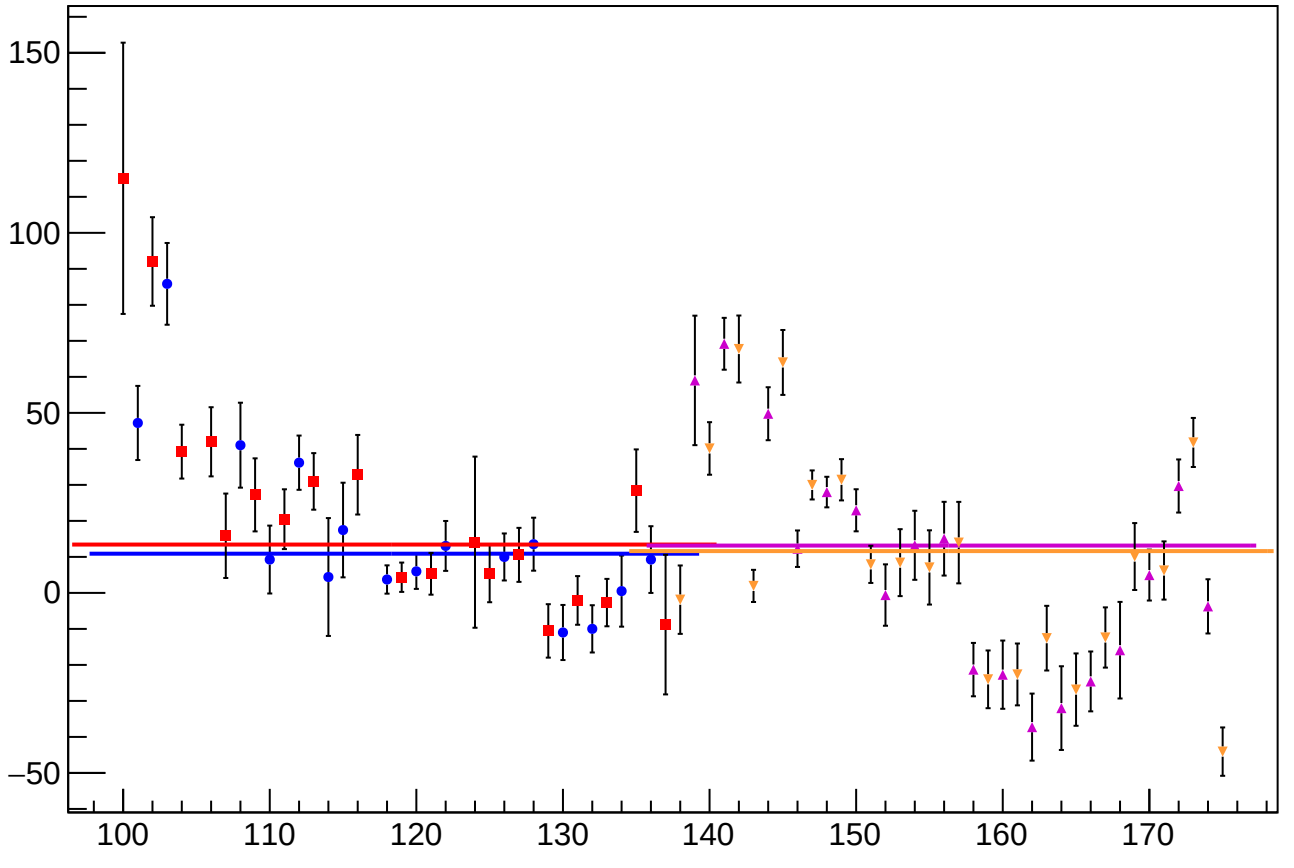
Left: -475.198+/-1.690 χ^2/NDF: 8262.6/37

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -408.526+/-1.480 χ^2/NDF:5747.7/33

Out: -376.094+/-1.391 χ^2/NDF:10172.2/38

All: -391.307+/-1.014 χ^2/NDF: 16174.9/72



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.609+/-1.584 χ^2/NDF:280.3/19

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 13.144+/-1.759 χ^2/NDF:226.6/17

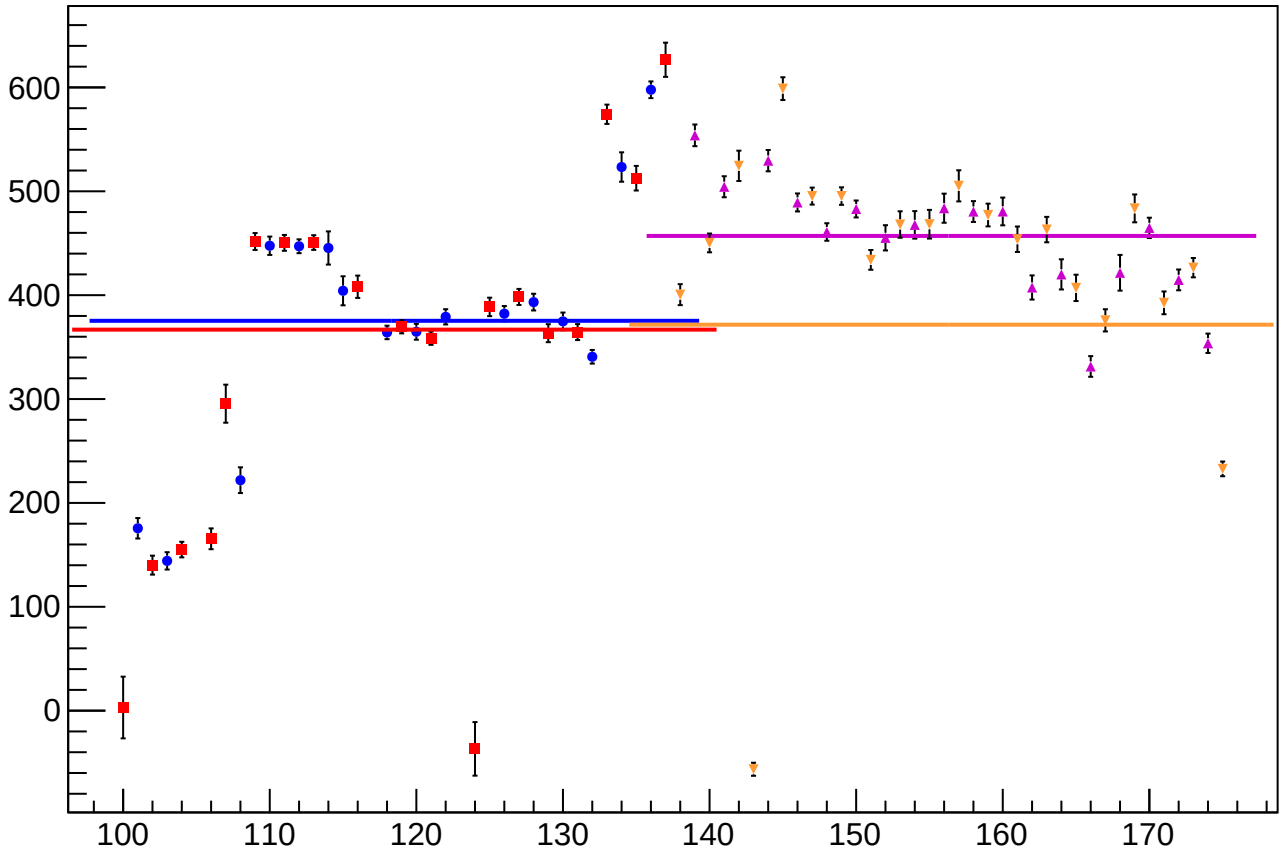
Left: 12.297+/-1.177 χ^2/NDF: 507.3/37

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.068+/-1.272 χ^2/NDF:325.6/33

Out: 12.376+/-1.205 χ^2/NDF:393.3/38

All: 12.231+/-0.875 χ^2/NDF: 719.0/72



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 371.583+/-2.246 χ^2/NDF:6611.8/19

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 457.035+/-2.488 χ^2/NDF:524.7/17

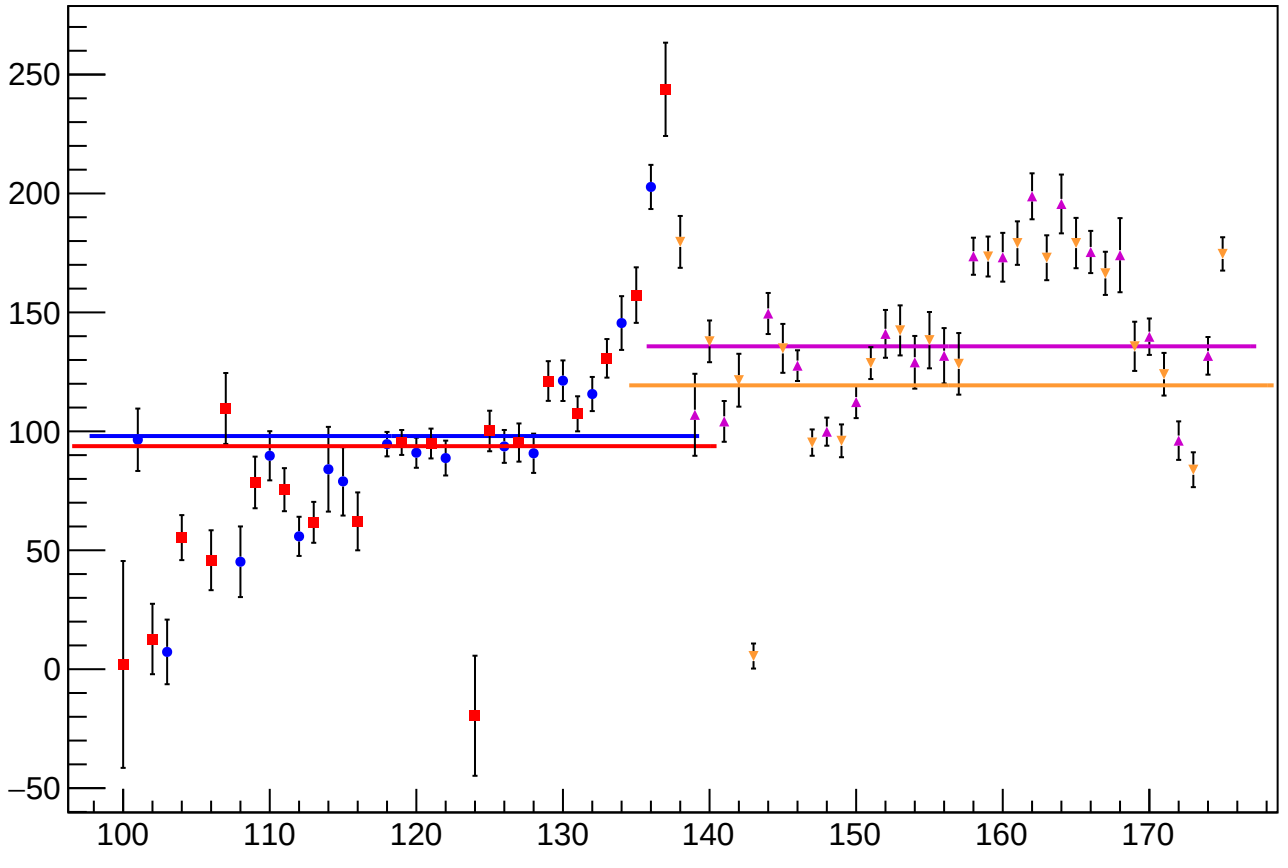
Left: 409.943+/-1.667 χ^2/NDF: 7786.4/37

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 409.363+/-1.606 χ^2/NDF:3603.3/33

Out: 368.989+/-1.514 χ^2/NDF:10155.4/38

All: 387.984+/-1.102 χ^2/NDF: 14093.2/72



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.334+/-1.850 χ^2/NDF:808.9/19

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 135.740+/-2.047 χ^2/NDF:223.6/17

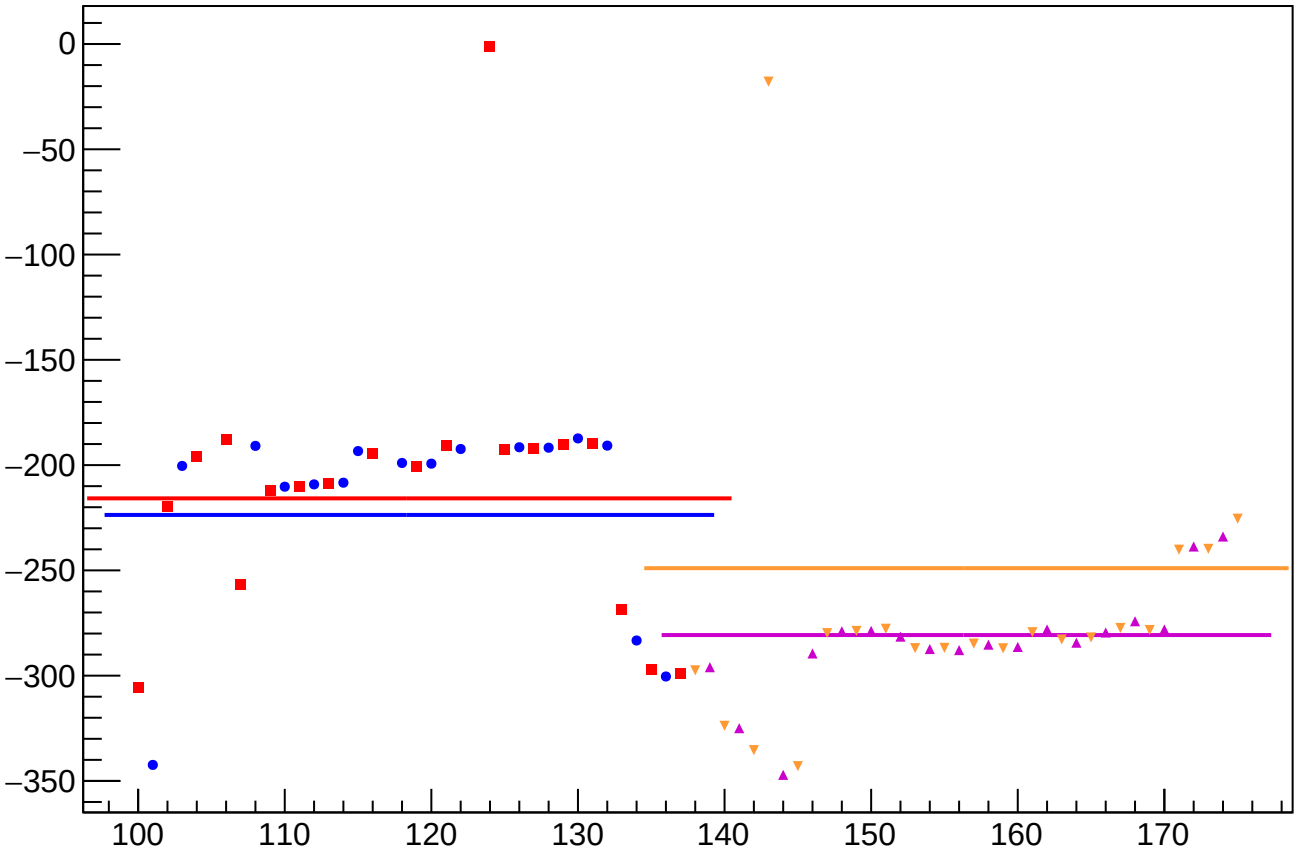
Left: 126.709+/-1.372 χ^2/NDF: 1067.9/37

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 117.756+/-1.481 χ^2/NDF:635.0/33

Out: 108.394+/-1.399 χ^2/NDF:1127.8/38

All: 112.810+/-1.017 χ^2/NDF: 1784.0/72



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -248.963+/-0.088 χ^2/NDF:979179.1/19

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -280.718+/-0.093 χ^2/NDF:70903.3/17

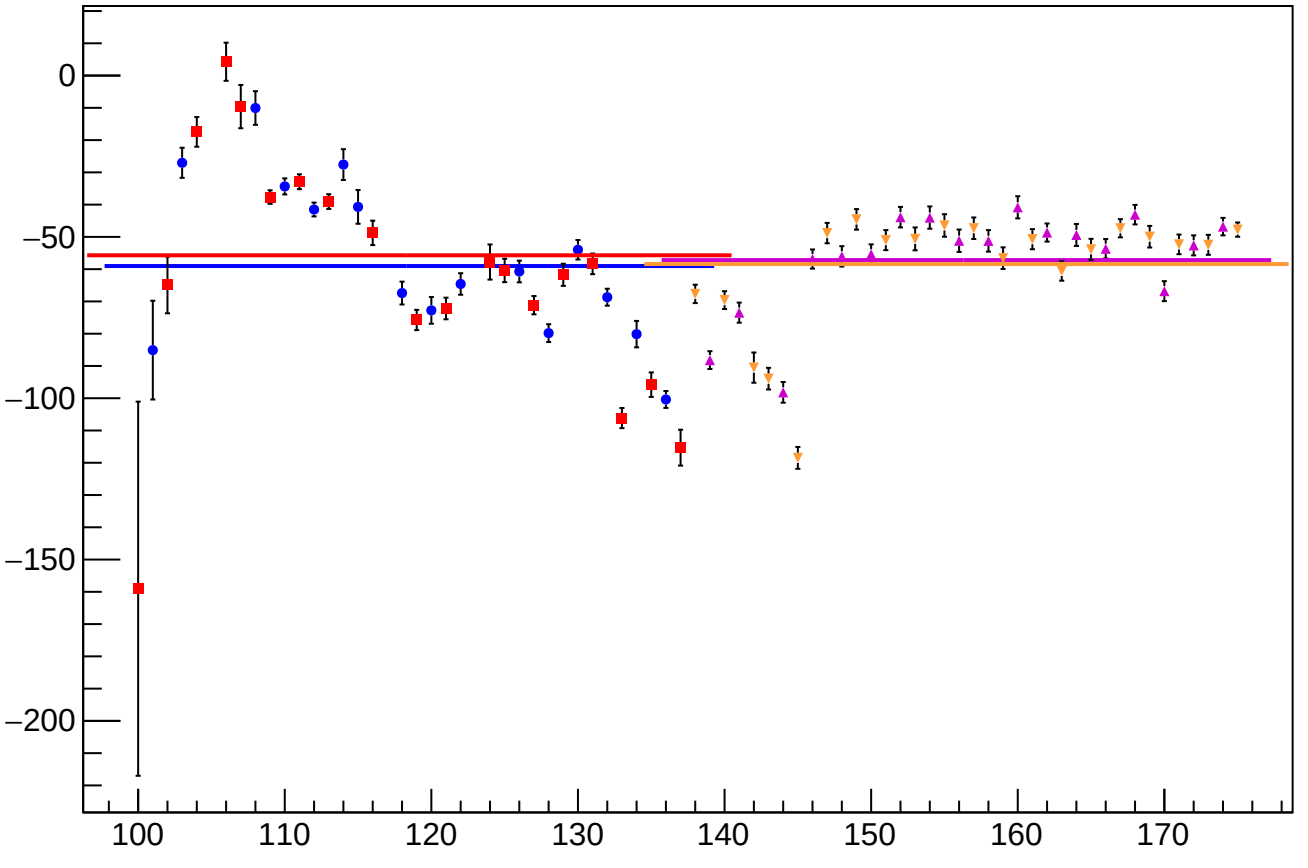
Left: -263.819+/-0.064 χ^2/NDF: 1111574.2/37

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -262.841+/-0.077 χ^2/NDF:309305.9/33

Out: -239.065+/-0.073 χ^2/NDF:1103483.0/38

All: -250.316+/-0.053 χ^2/NDF: 1462485.5/72



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -58.425+/-0.697 χ^2/NDF:623.7/19

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -57.182+/-0.731 χ^2/NDF:442.3/17

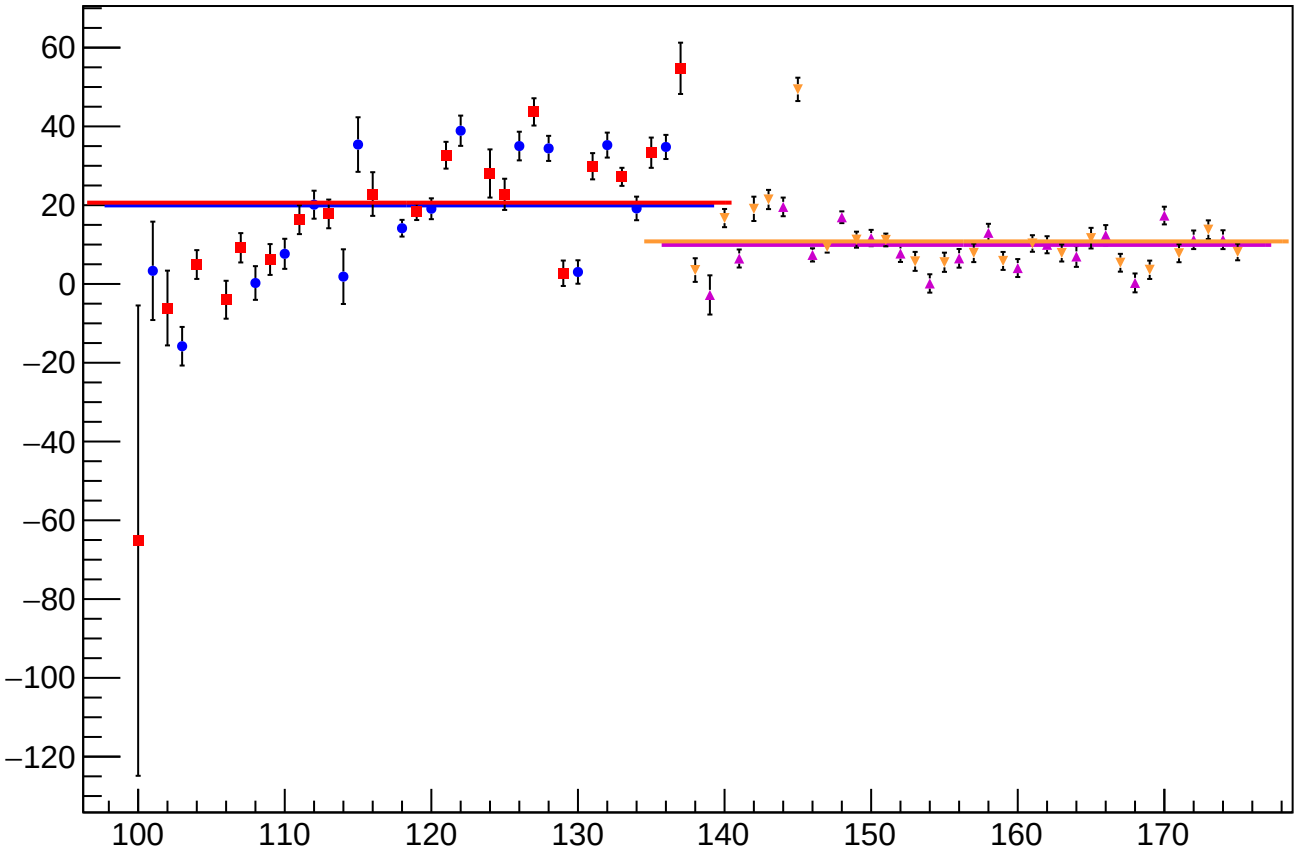
Left: -57.833+/-0.505 χ^2/NDF: 1067.5/37

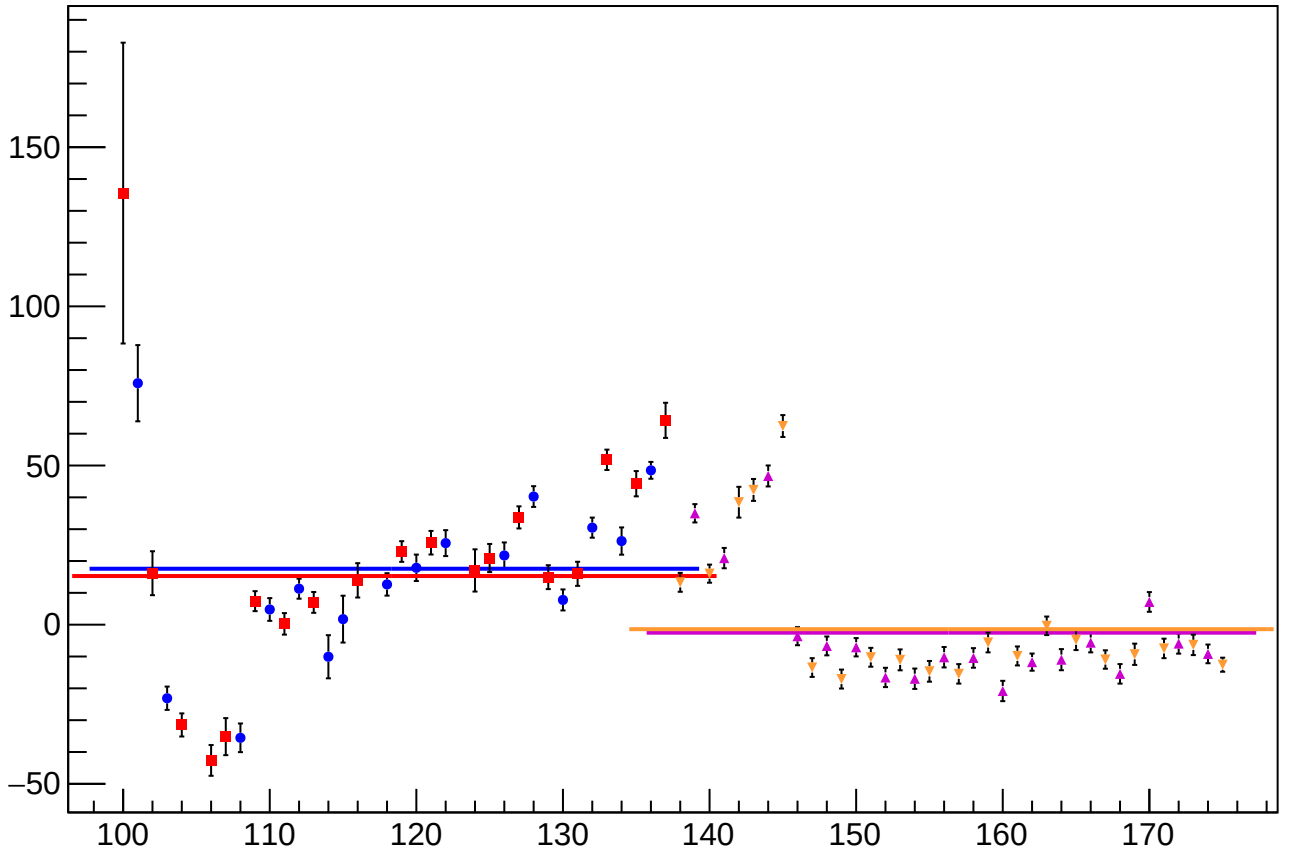
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

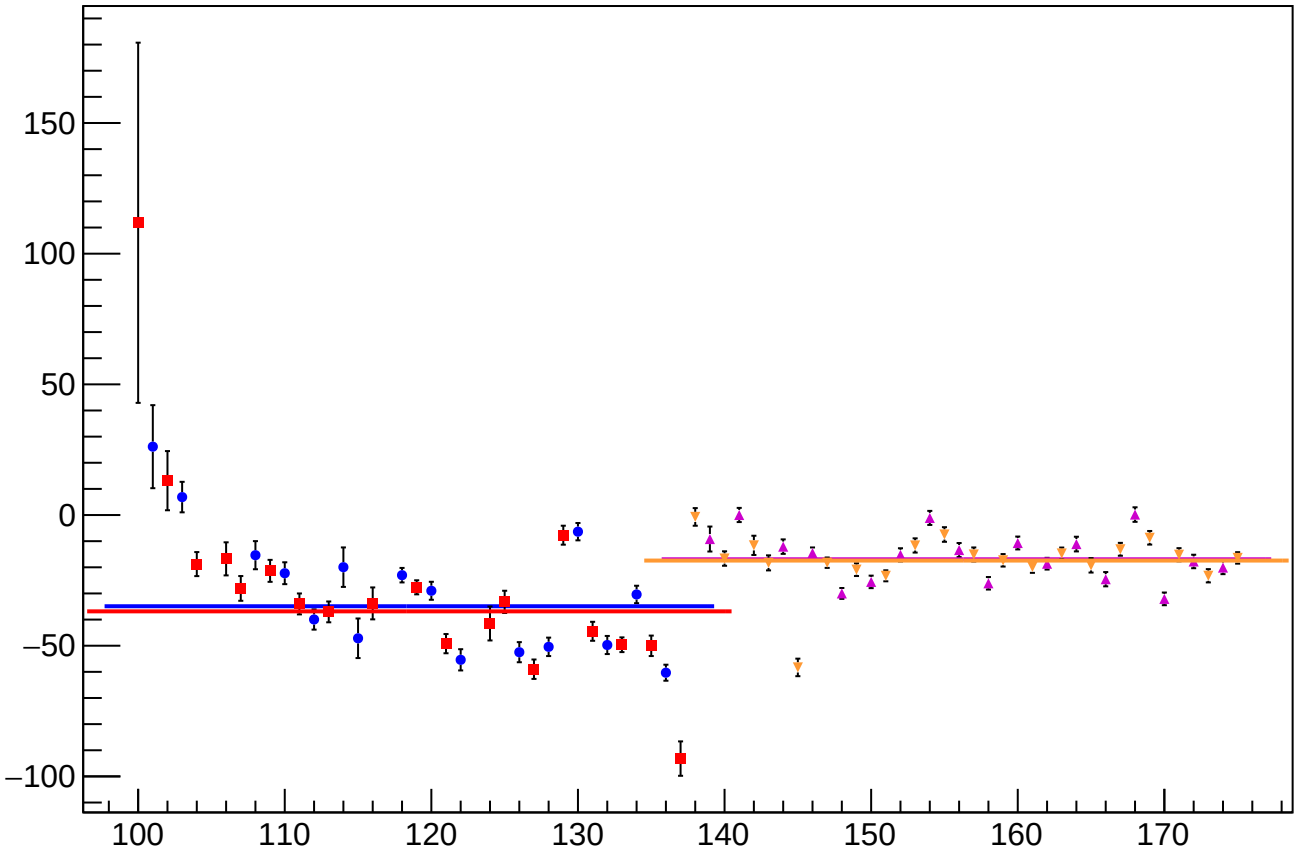
In: -57.991+/-0.549 χ^2/NDF:1172.4/33

Out: -57.232+/-0.523 χ^2/NDF:1671.5/38

All: -57.593+/-0.378 χ^2/NDF: 2844.9/72


reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: 19.946+/-0.867 χ²/NDF: 247.2/15
Left Out: 10.808+/-0.497 χ²/NDF:246.8/19
Right Out: 20.643+/-0.844 χ²/NDF: 224.8/18
Left In: 9.919+/-0.524 χ²/NDF:109.7/17
Left: 10.387+/-0.360 χ²/NDF: 358.0/37
Right: 20.304+/-0.605 χ²/NDF: 472.3/34
In: 12.597+/-0.448 χ²/NDF:454.8/33
Out: 13.338+/-0.428 χ²/NDF:572.5/38
All: 12.985+/-0.310 χ²/NDF: 1028.7/72


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 17.574+/-0.957 χ²/NDF: 546.2/15
Left Out: -1.415+/-0.685 χ²/NDF:795.5/19
Right Out: 15.283+/-0.934 χ²/NDF: 730.0/18
Left In: -2.515+/-0.718 χ²/NDF:591.4/17
Left: -1.939+/-0.496 χ²/NDF: 1388.1/37
Right: 16.401+/-0.668 χ²/NDF: 1279.2/34
In: 4.727+/-0.574 χ²/NDF:1419.6/33
Out: 4.423+/-0.552 χ²/NDF:1733.4/38
All: 4.569+/-0.398 χ²/NDF: 3153.1/72



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.417+/-0.570 χ^2/NDF:227.1/19

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.921+/-0.600 χ^2/NDF:247.6/17

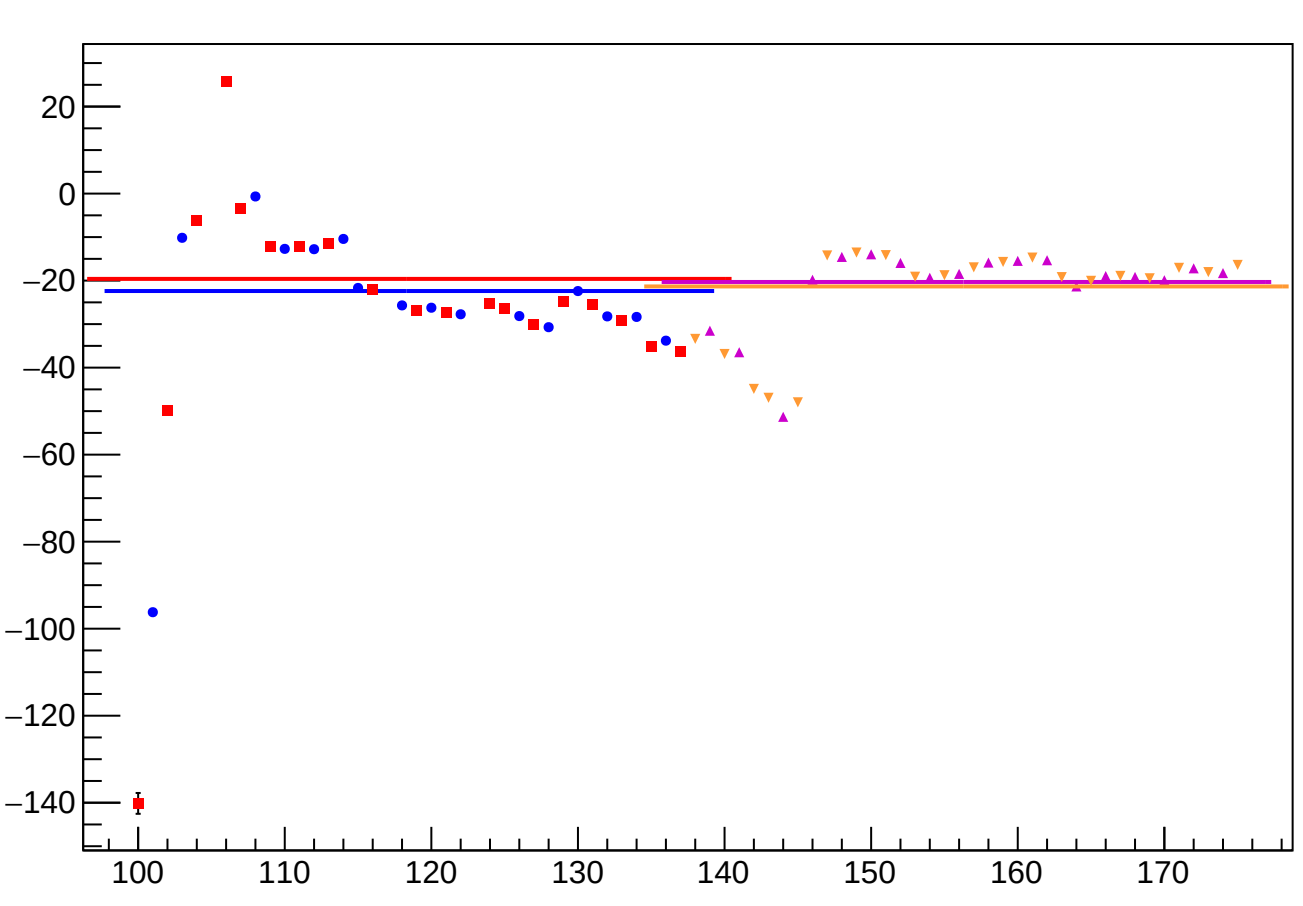
Left: -17.182+/-0.413 χ^2/NDF: 475.1/37

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.752+/-0.513 χ^2/NDF:835.3/33

Out: -22.406+/-0.491 χ^2/NDF:827.3/38

All: -22.094+/-0.355 χ^2/NDF: 1663.4/72



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.342+/-0.026 χ^2/NDF:137397.6/19

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.313+/-0.026 χ^2/NDF:86326.0/17

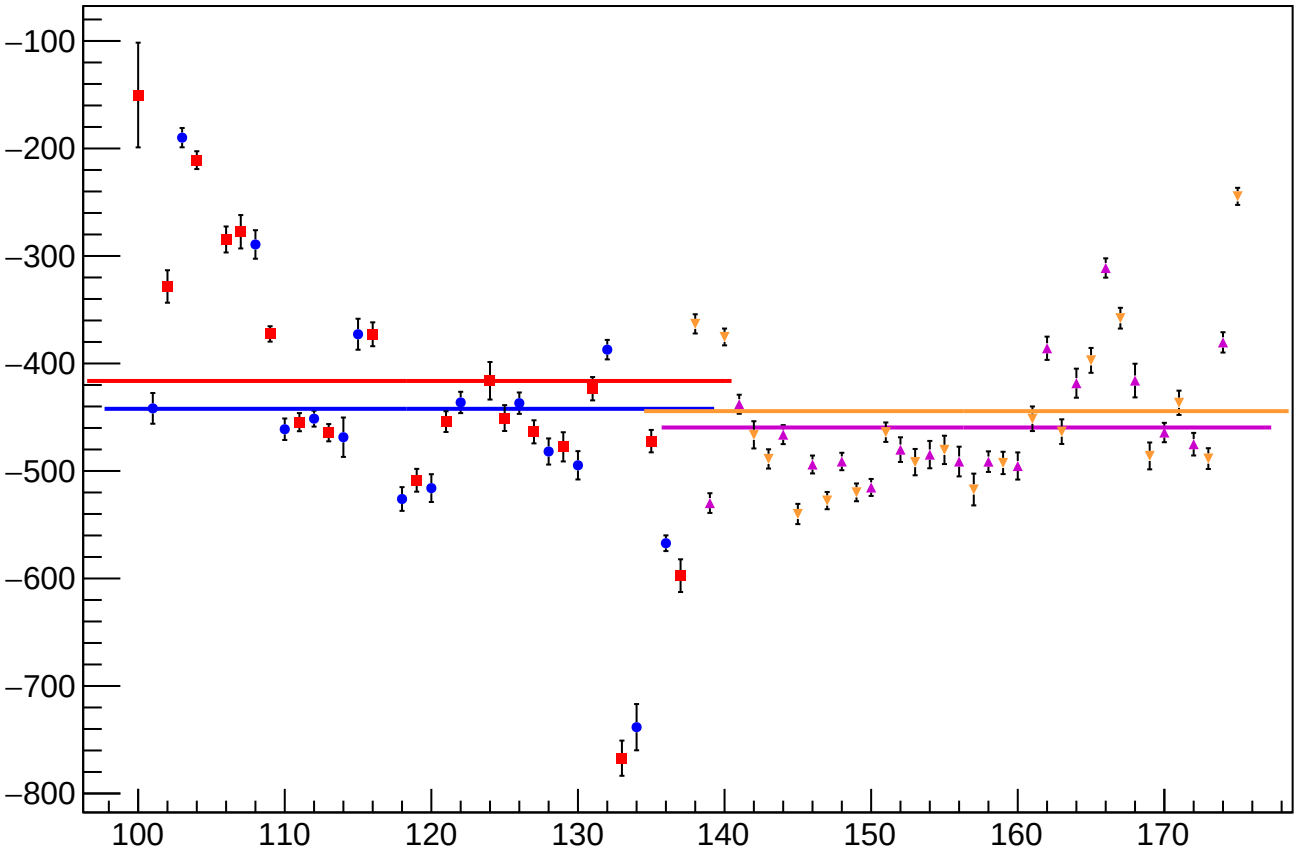
Left: -20.840+/-0.019 χ^2/NDF: 224497.0/37

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.669+/-0.024 χ^2/NDF:133902.2/33

Out: -21.066+/-0.024 χ^2/NDF:221981.2/38

All: -20.870+/-0.017 χ^2/NDF: 356021.1/72



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -444.326+/-2.227 χ^2/NDF:1319.8/19

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -459.549+/-2.342 χ^2/NDF:588.2/17

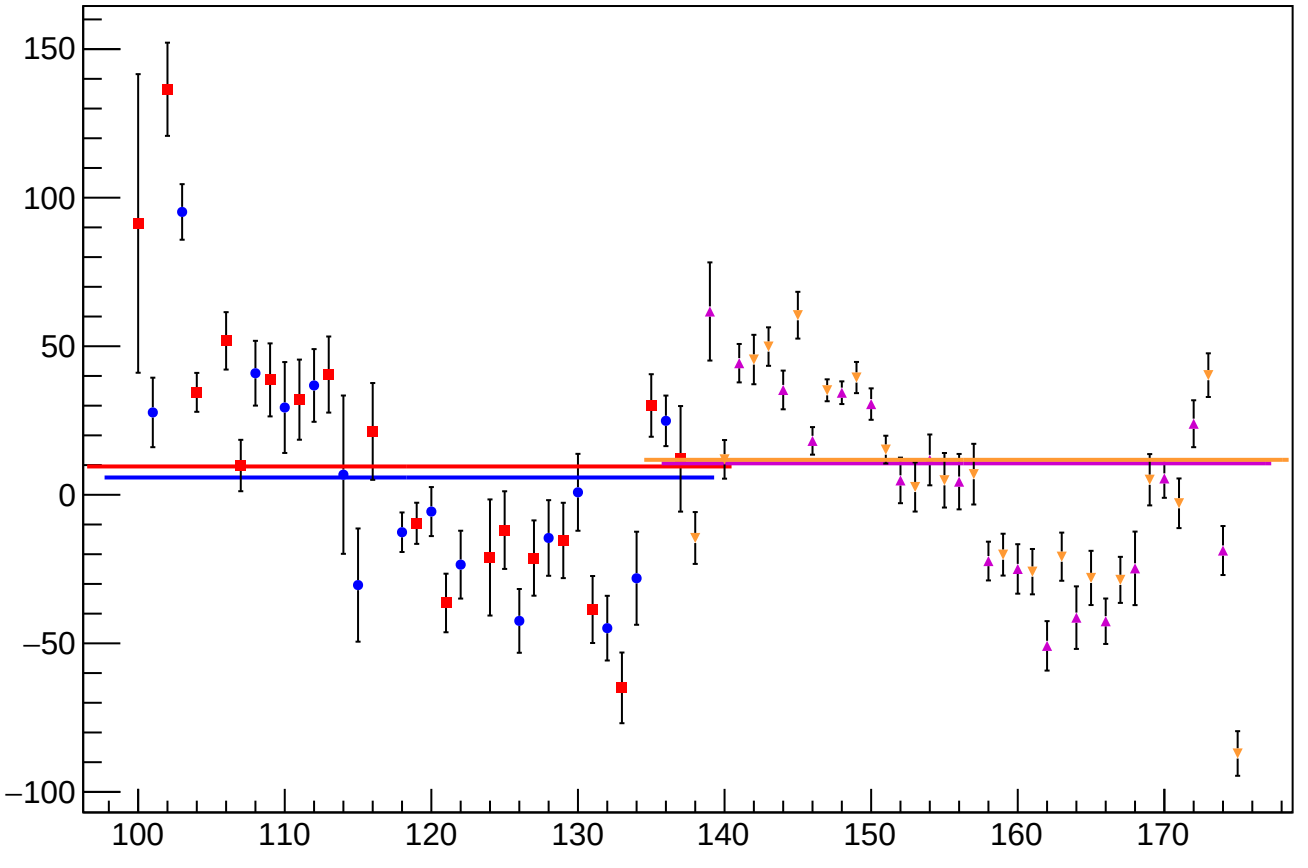
Left: -451.555+/-1.614 χ^2/NDF: 1930.2/37

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -452.035+/-1.764 χ^2/NDF:2201.1/33

Out: -432.034+/-1.669 χ^2/NDF:3143.2/38

All: -441.484+/-1.212 χ^2/NDF: 5412.2/72



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 11.772+/-1.528 χ^2/NDF:468.1/19

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 10.590+/-1.615 χ^2/NDF:302.8/17

Left: 11.213+/-1.110 χ^2/NDF: 771.3/37

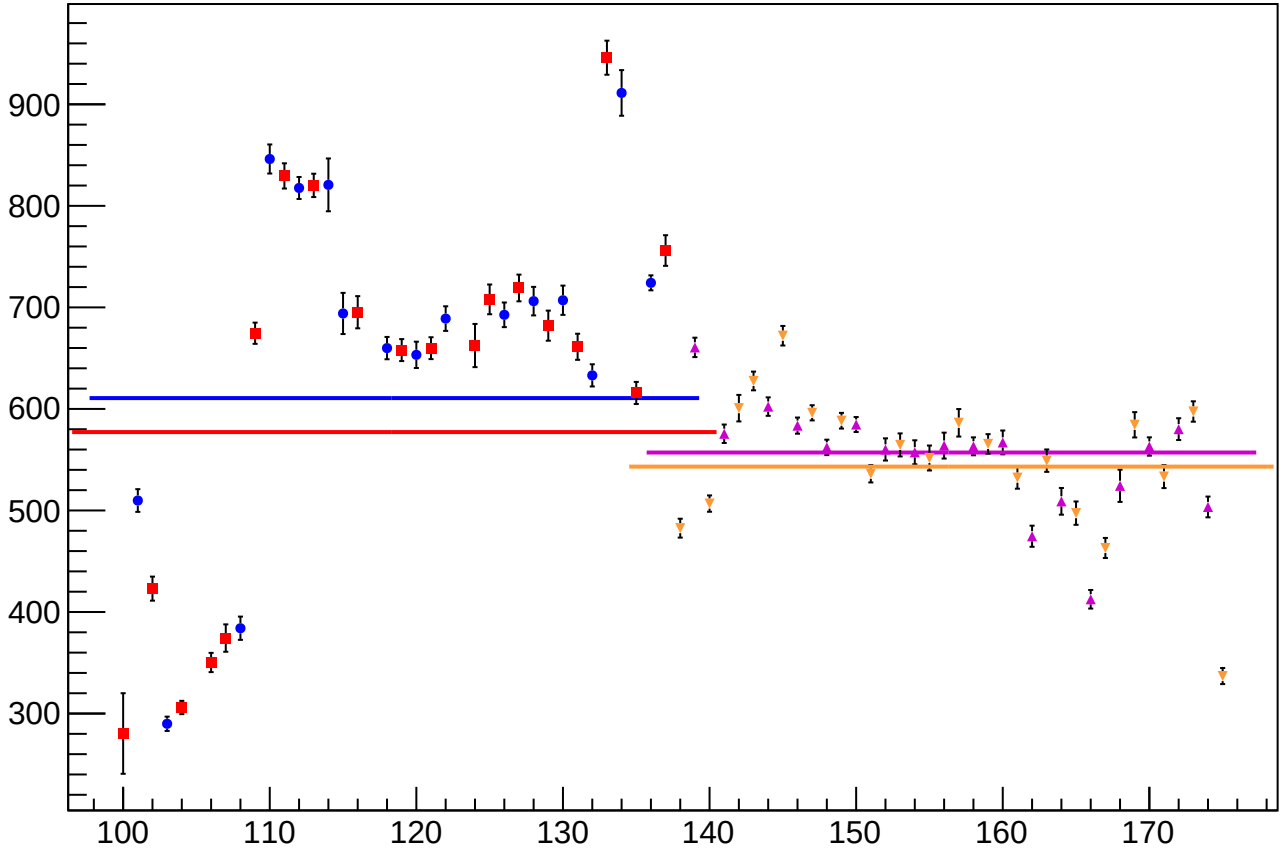
Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 9.353+/-1.390 χ^2/NDF:493.2/33

Out: 11.183+/-1.312 χ^2/NDF:690.8/38

All: 10.321+/-0.954 χ^2/NDF: 1185.0/72

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 543.182+/-2.189 χ^2/NDF:1251.1/19

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 557.072+/-2.295 χ^2/NDF:535.5/17

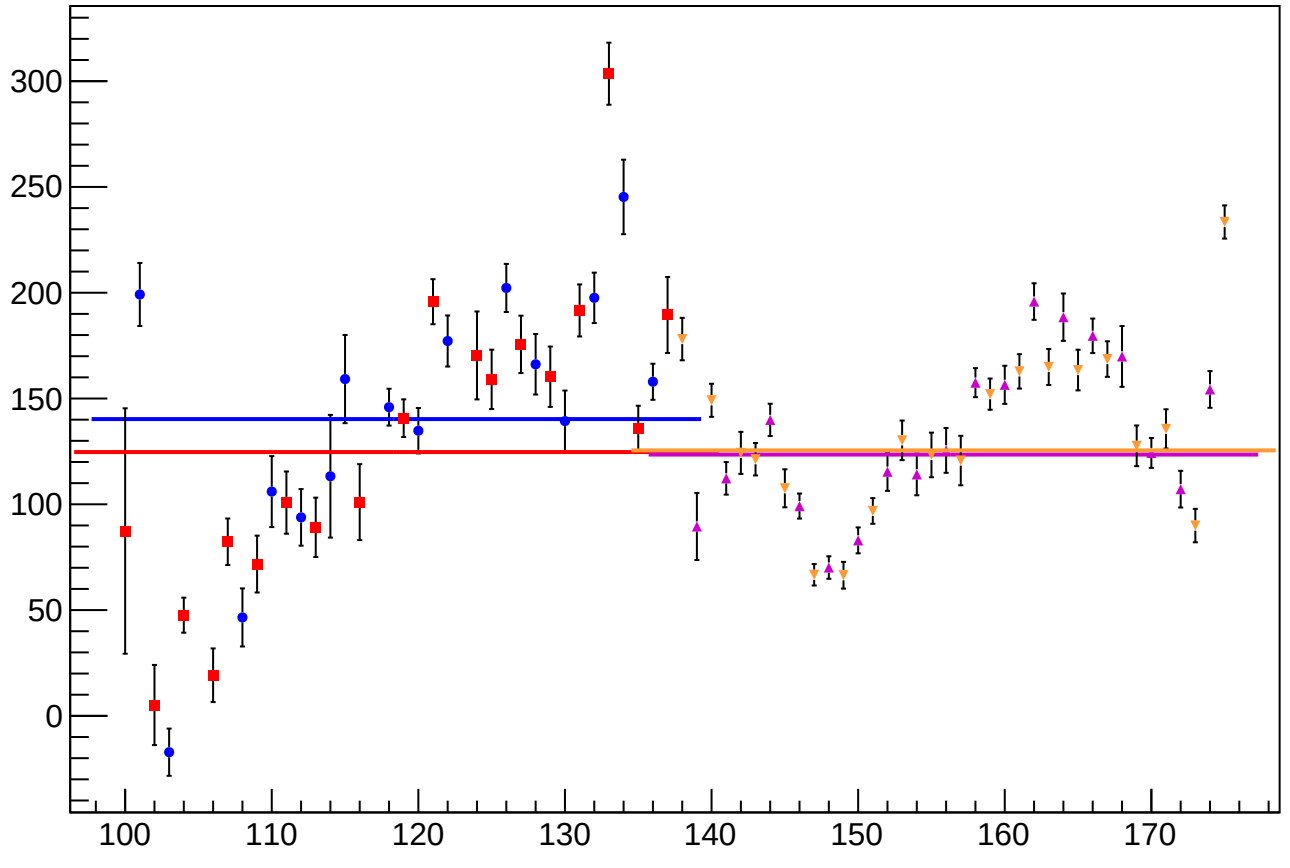
Left: 549.800+/-1.584 χ^2/NDF: 1805.8/37

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 577.775+/-1.798 χ^2/NDF:4638.8/33

Out: 556.349+/-1.714 χ^2/NDF:6144.9/38

All: 566.551+/-1.240 χ^2/NDF: 10858.1/72



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.488+/-1.791 χ^2/NDF:594.0/19

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 123.508+/-1.885 χ^2/NDF:390.5/17

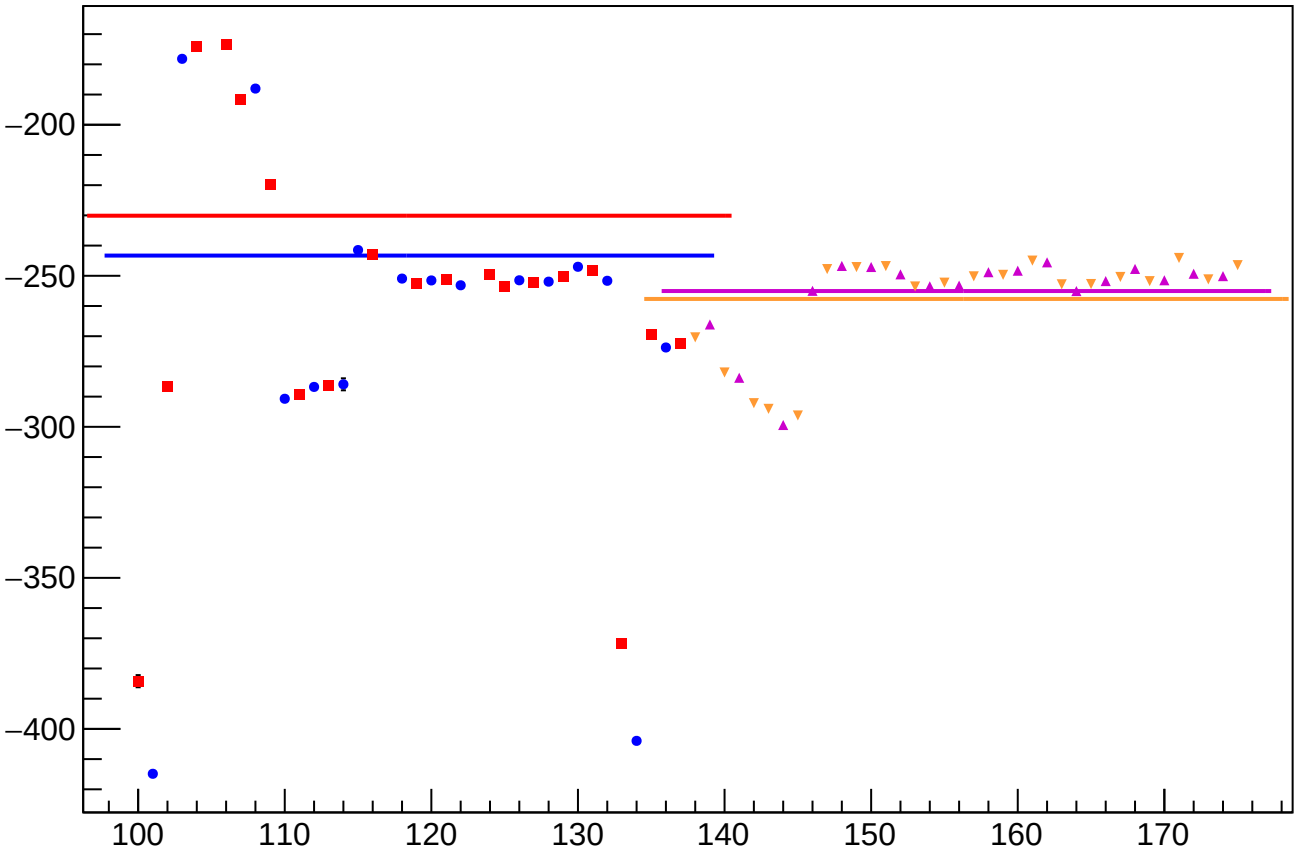
Left: 124.548+/-1.298 χ^2/NDF: 985.1/37

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.926+/-1.617 χ^2/NDF:796.8/33

Out: 125.278+/-1.535 χ^2/NDF:1102.6/38

All: 126.533+/-1.113 χ^2/NDF: 1900.8/72



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.664+/-0.085 χ^2/NDF:37634.7/19

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -255.049+/-0.086 χ^2/NDF:22638.5/17

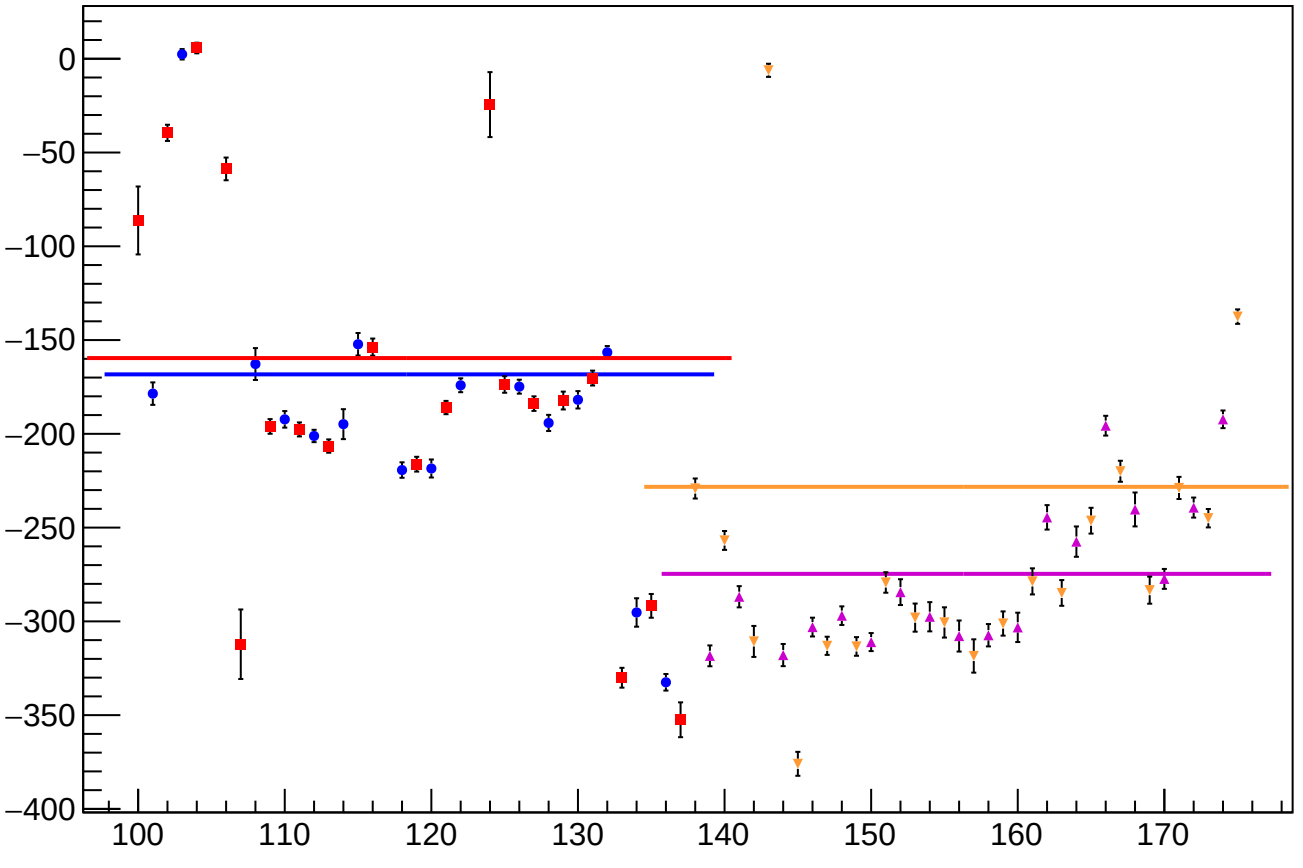
Left: -256.382+/-0.061 χ^2/NDF: 60739.7/37

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.459+/-0.076 χ^2/NDF:200194.7/33

Out: -251.467+/-0.075 χ^2/NDF:163849.6/38

All: -251.952+/-0.053 χ^2/NDF: 364130.8/72



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.265+/-1.257 χ^2/NDF:6507.1/19

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -274.667+/-1.393 χ^2/NDF:915.4/17

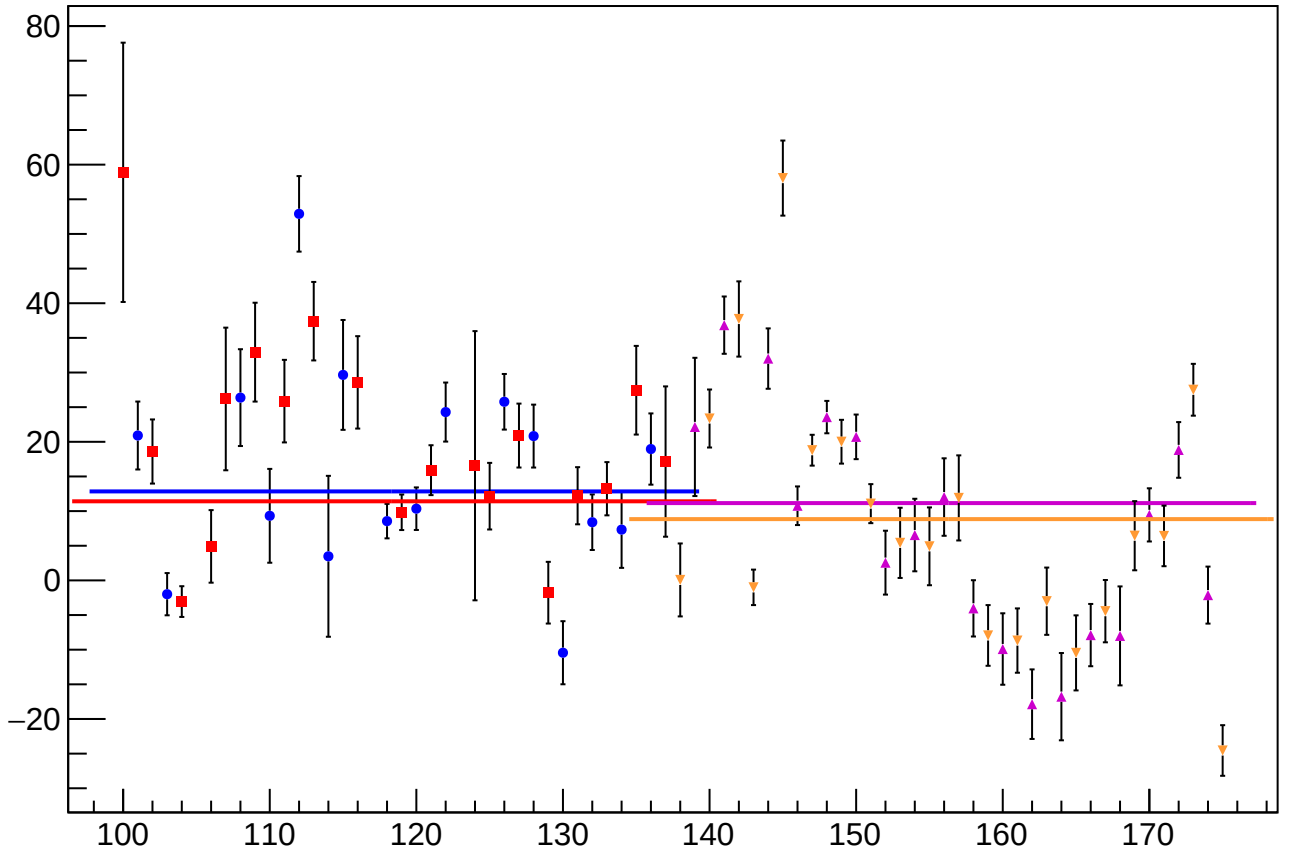
Left: -249.098+/-0.933 χ^2/NDF: 8033.8/37

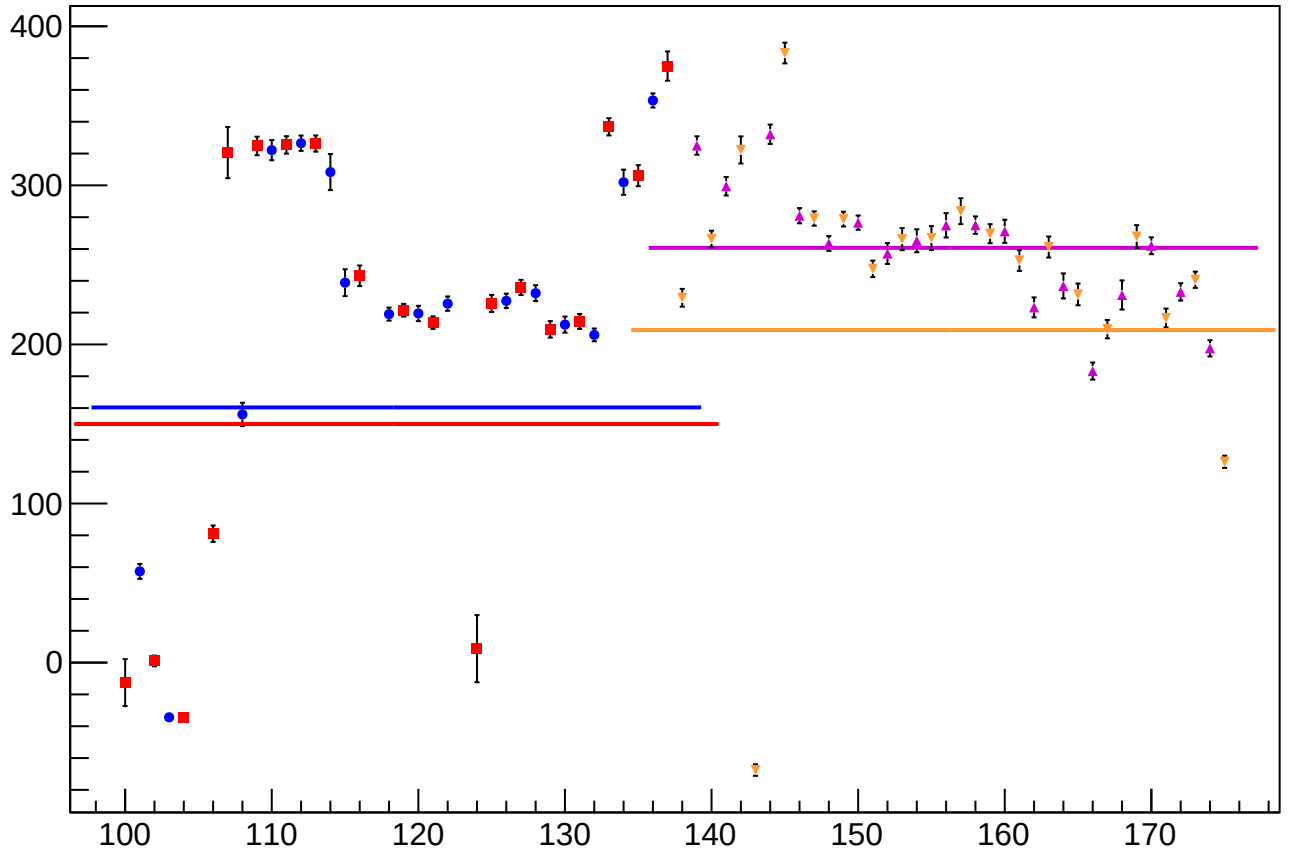
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -208.027+/-0.851 χ^2/NDF:10475.5/33

Out: -187.565+/-0.802 χ^2/NDF:15472.3/38

All: -197.191+/-0.584 χ^2/NDF: 26253.7/72


reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 12.842+/-1.076 χ²/NDF: 143.7/15
Left Out: 8.843+/-0.876 χ²/NDF:340.1/19
Right Out: 11.414+/-1.035 χ²/NDF: 119.6/18
Left In: 11.156+/-0.968 χ²/NDF:227.3/17
Left: 9.885+/-0.650 χ²/NDF: 570.5/37
Right: 12.100+/-0.746 χ²/NDF: 264.2/34
In: 11.910+/-0.720 χ²/NDF:372.3/33
Out: 9.916+/-0.669 χ²/NDF:463.2/38
All: 10.840+/-0.490 χ²/NDF: 839.7/72



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 209.091+/-1.242 χ^2/NDF:8419.6/19

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 260.740+/-1.369 χ^2/NDF:790.9/17

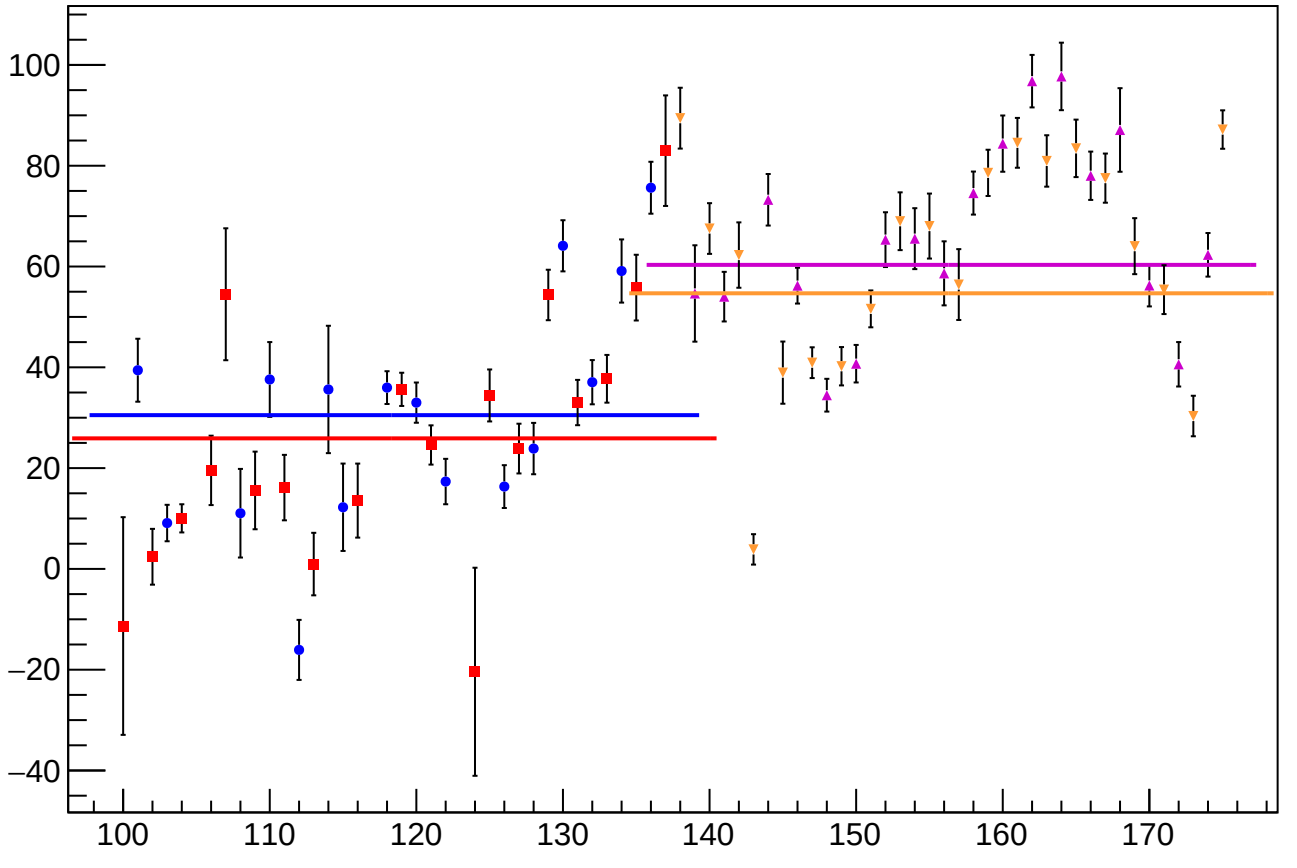
Left: 232.396+/-0.920 χ^2/NDF: 9991.2/37

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 201.435+/-0.876 χ^2/NDF:17913.8/33

Out: 176.147+/-0.826 χ^2/NDF:25947.9/38

All: 188.057+/-0.601 χ^2/NDF: 44303.0/72



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.687+/-1.022 χ^2/NDF:626.9/19

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.327+/-1.126 χ^2/NDF:257.5/17

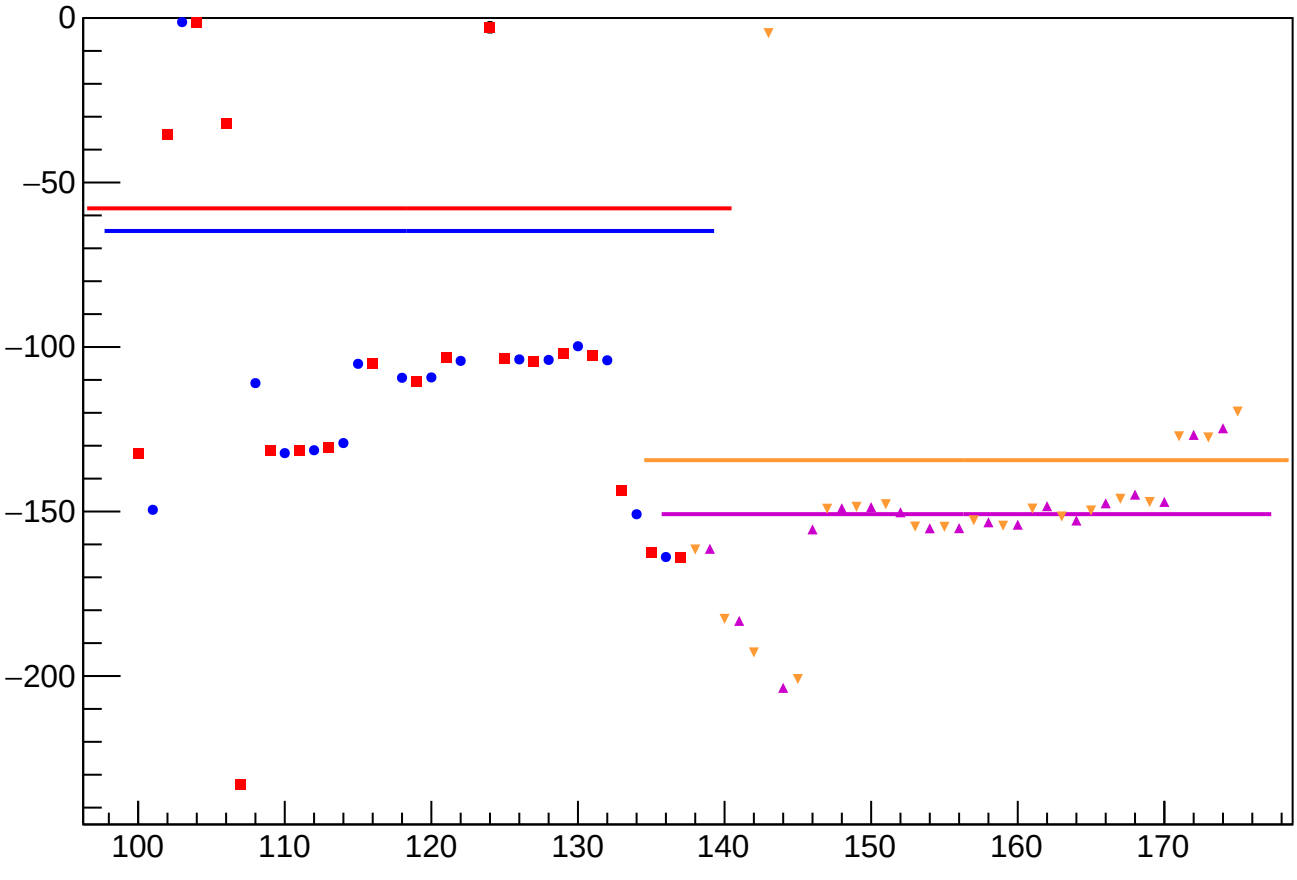
Left: 57.235+/-0.757 χ^2/NDF: 898.1/37

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 47.029+/-0.838 χ^2/NDF:847.4/33

Out: 42.741+/-0.781 χ^2/NDF:1144.0/38

All: 44.736+/-0.571 χ^2/NDF: 2005.4/72



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.393+/-0.048 χ^2/NDF:973758.7/19

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -150.796+/-0.051 χ^2/NDF:99206.7/17

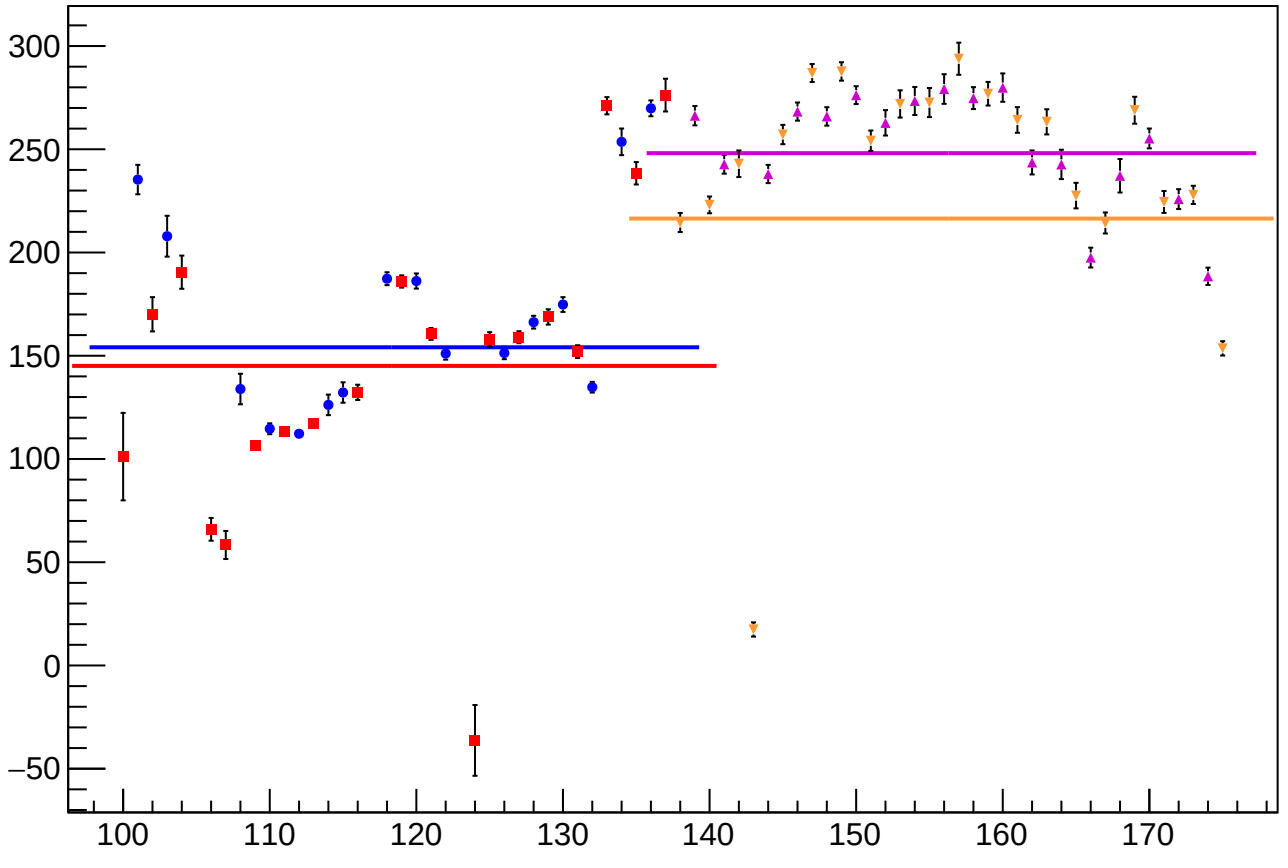
Left: -142.104+/-0.035 χ^2/NDF: 1127181.4/37

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.007+/-0.040 χ^2/NDF:2249429.4/33

Out: -105.570+/-0.038 χ^2/NDF:2795061.1/38

All: -111.021+/-0.028 χ^2/NDF: 5087348.6/72



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 216.442+/-1.114 χ^2/NDF:4873.5/19

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 248.123+/-1.217 χ^2/NDF:524.9/17

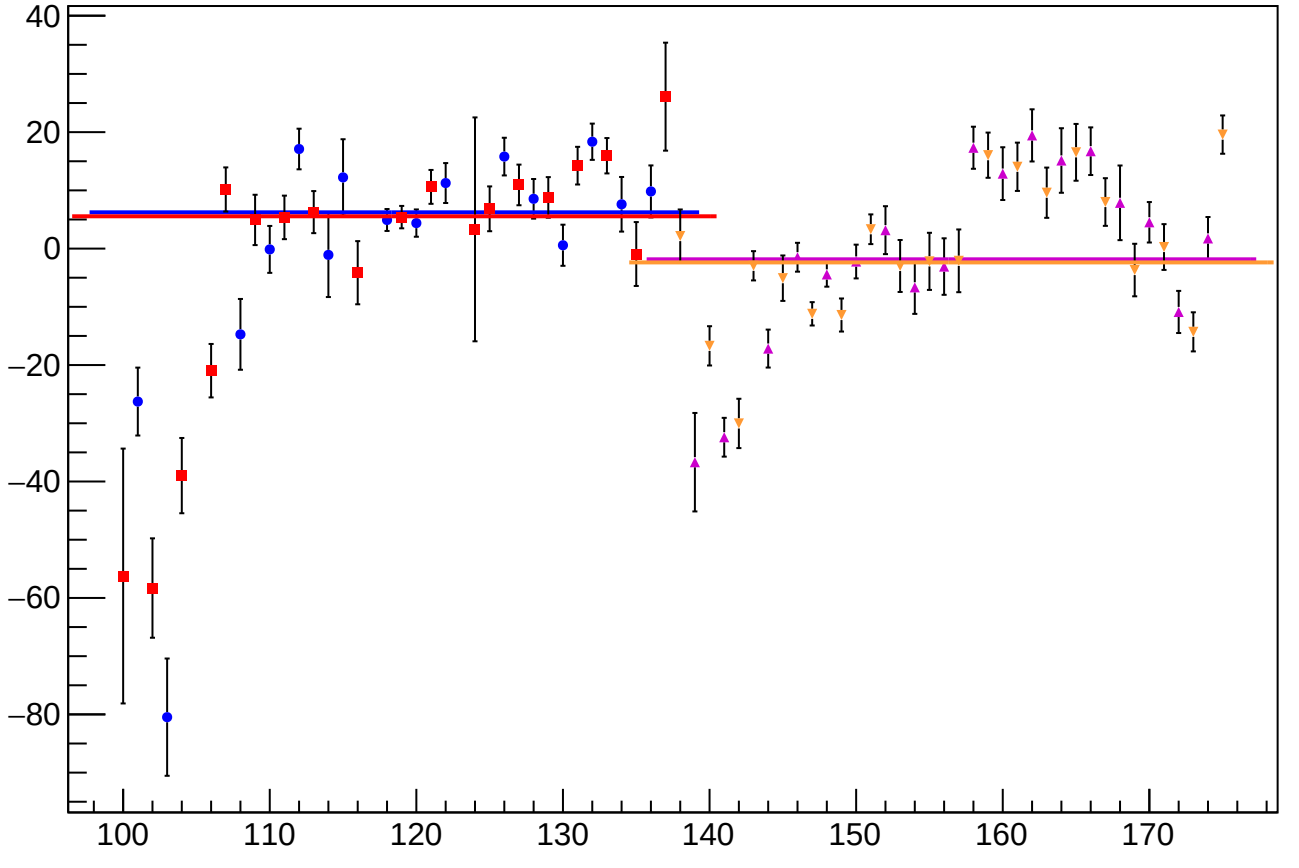
Left: 230.888+/-0.822 χ^2/NDF: 5767.1/37

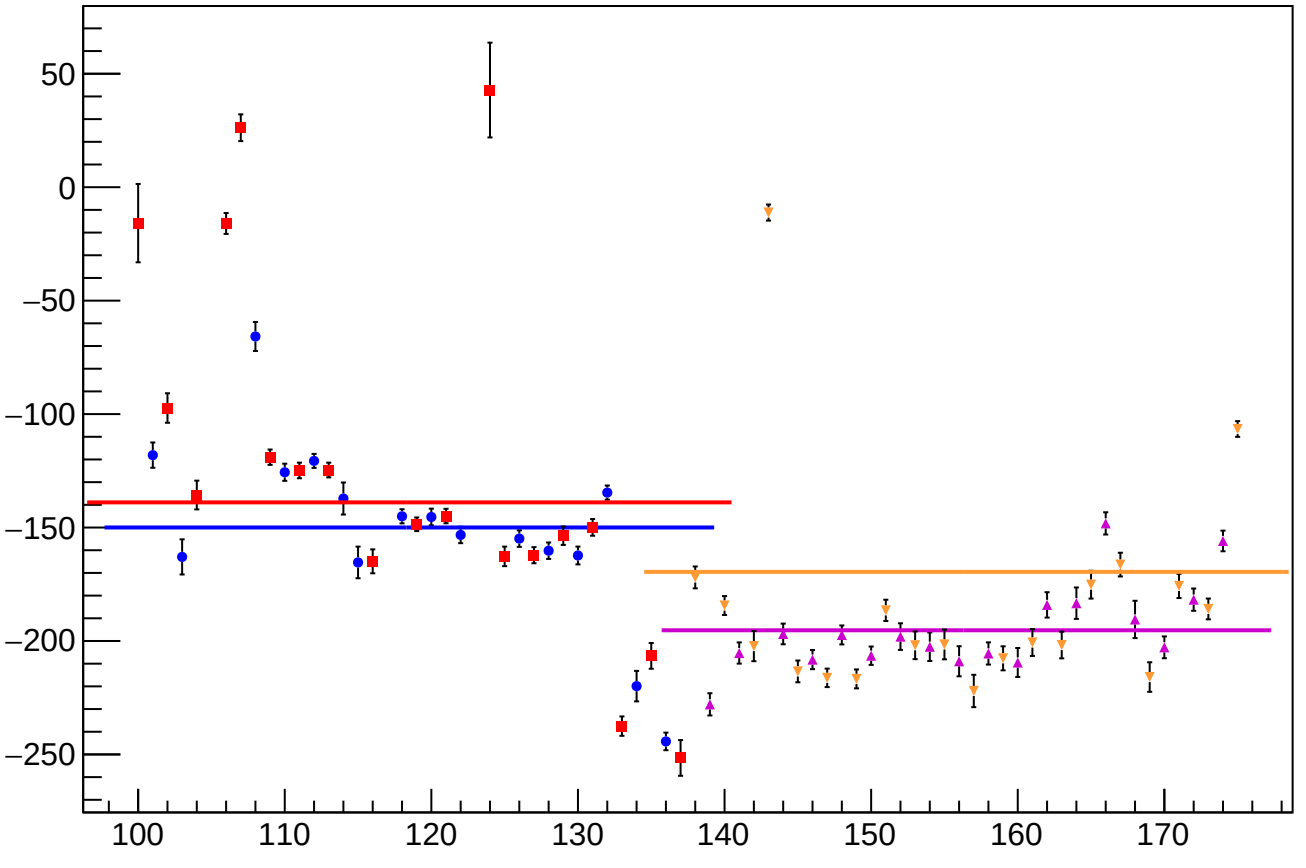
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 185.863+/-0.707 χ^2/NDF:6760.3/33

Out: 170.399+/-0.664 χ^2/NDF:10479.5/38

All: 177.638+/-0.484 χ^2/NDF: 17494.0/72


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -2.372+/-0.780 χ²/NDF:221.7/19
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -1.843+/-0.851 χ²/NDF:231.6/17
Left: -2.130+/-0.575 χ²/NDF: 453.5/37
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.012+/-0.615 χ²/NDF:436.6/33
Out: 1.072+/-0.586 χ²/NDF:447.7/38
All: 1.520+/-0.424 χ²/NDF: 885.5/72



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.546+/-1.101 χ^2/NDF:3002.2/19

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -195.282+/-1.198 χ^2/NDF:266.6/17

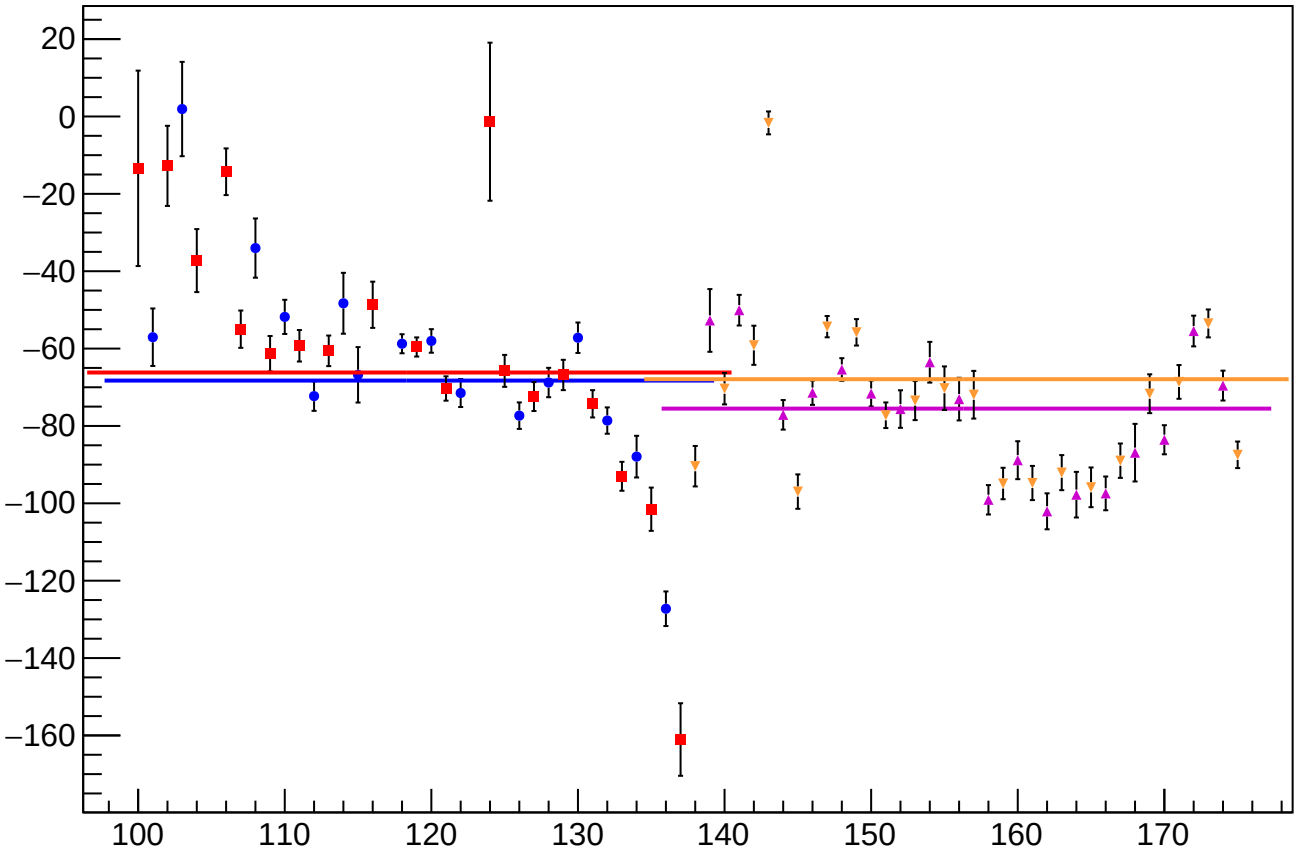
Left: -181.330+/-0.811 χ^2/NDF: 3519.0/37

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -169.135+/-0.779 χ^2/NDF:2191.6/33

Out: -152.661+/-0.738 χ^2/NDF:6179.8/38

All: -160.447+/-0.536 χ^2/NDF: 8607.2/72



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.914+/-0.909 χ^2/NDF:821.9/19

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.521+/-0.989 χ^2/NDF:222.5/17

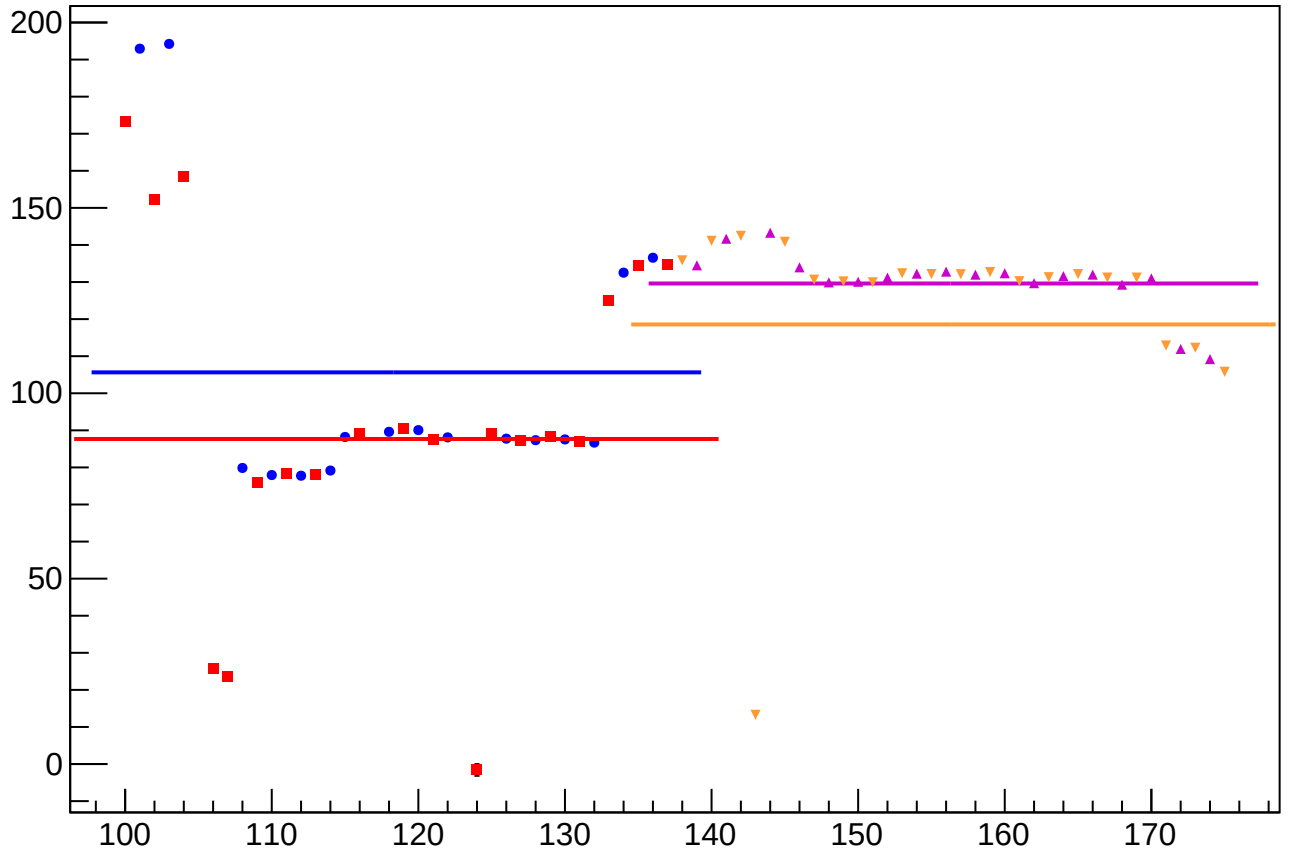
Left: -71.399+/-0.669 χ^2/NDF: 1076.4/37

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.055+/-0.714 χ^2/NDF:563.5/33

Out: -67.152+/-0.680 χ^2/NDF:1181.8/38

All: -69.482+/-0.492 χ^2/NDF: 1770.1/72



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.564+/-0.043 χ^2/NDF:613127.1/19

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 129.606+/-0.045 χ^2/NDF:38225.8/17

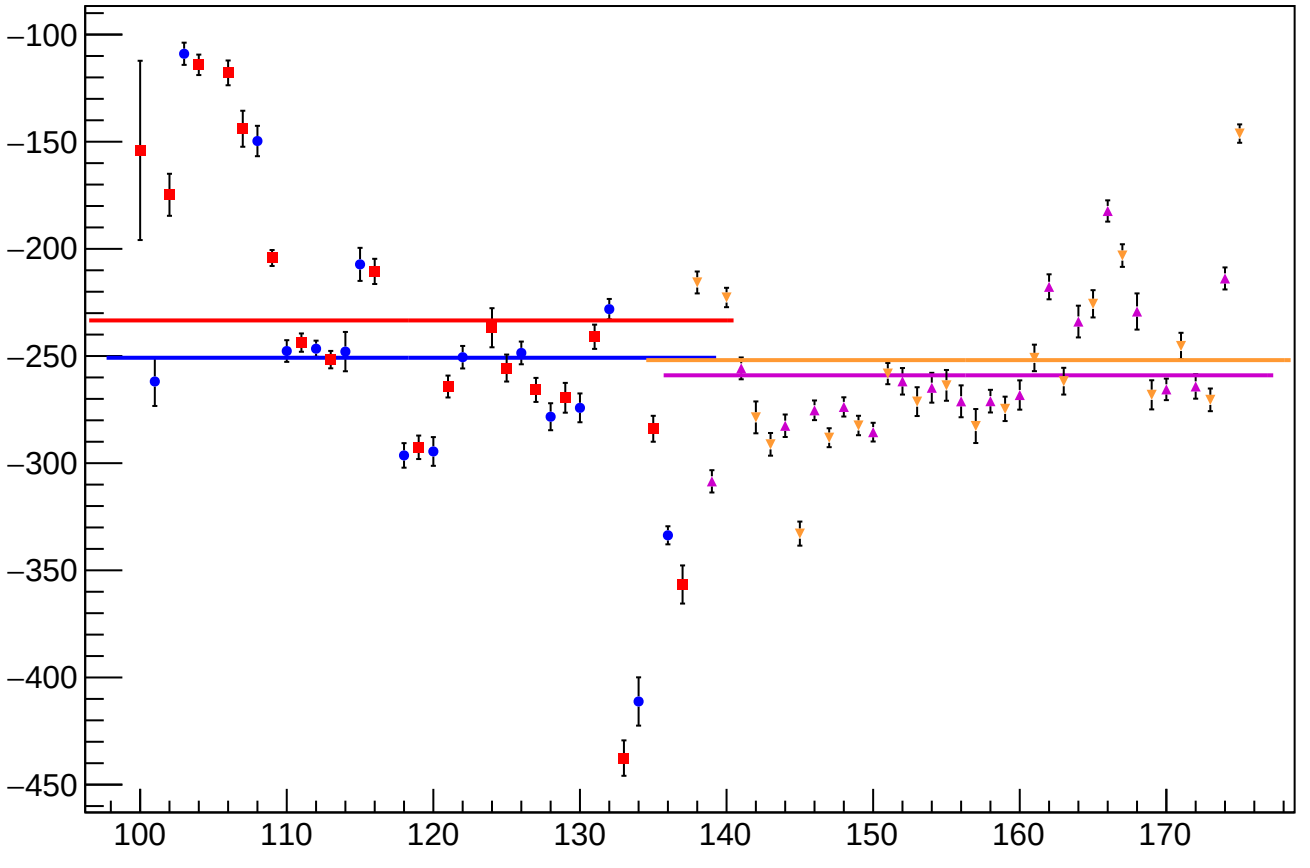
Left: 123.810+/-0.031 χ^2/NDF: 682930.2/37

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.710+/-0.038 χ^2/NDF:359380.8/33

Out: 109.336+/-0.036 χ^2/NDF:1142959.8/38

All: 115.639+/-0.026 χ^2/NDF: 1567854.3/72



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -251.917+/-1.238 χ^2/NDF:1254.8/19

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -259.003+/-1.298 χ^2/NDF:574.1/17

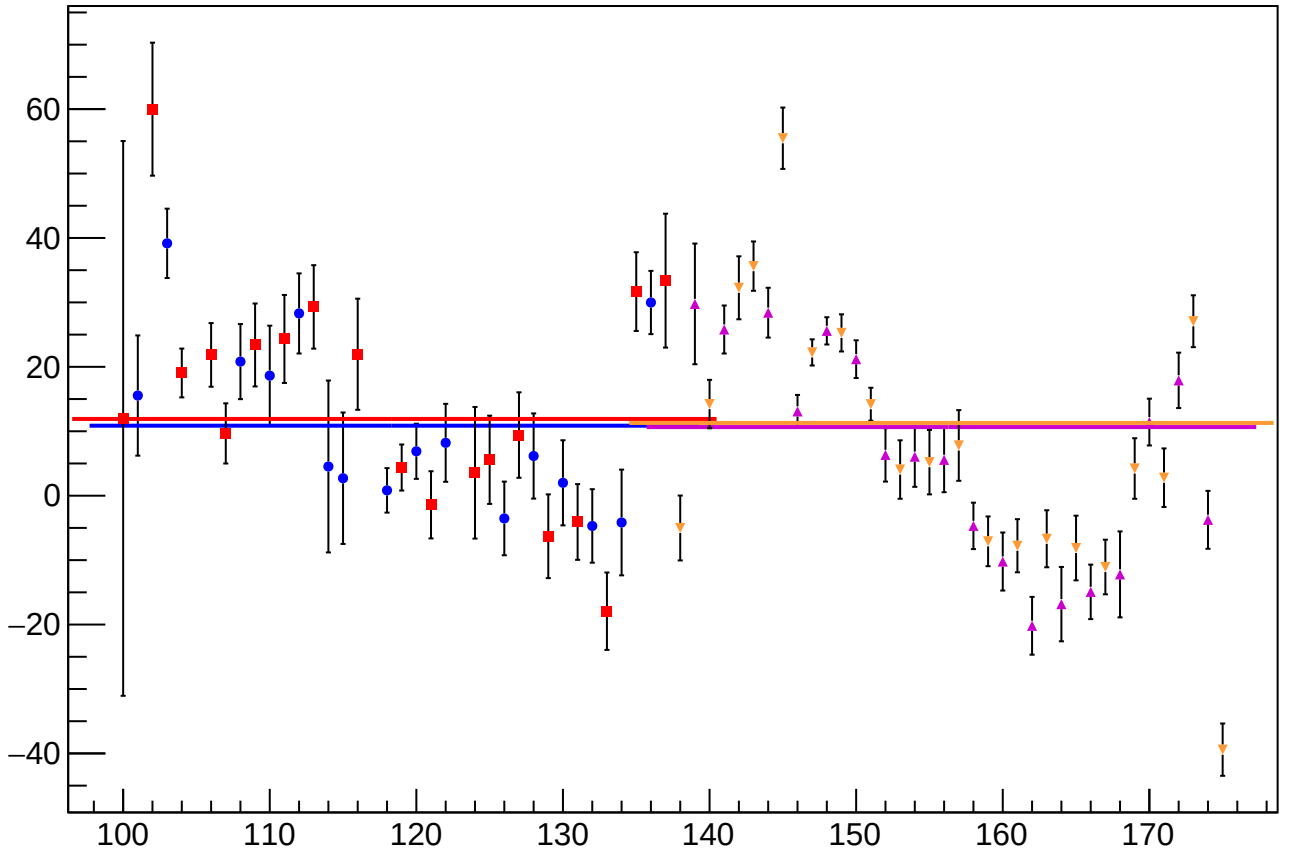
Left: -255.293+/-0.896 χ^2/NDF: 1844.5/37

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -255.326+/-0.964 χ^2/NDF:2327.7/33

Out: -243.340+/-0.907 χ^2/NDF:3736.9/38

All: -248.972+/-0.661 χ^2/NDF: 6146.6/72



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 11.292+/-0.848 χ^2/NDF:495.0/19

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 10.651+/-0.894 χ^2/NDF:279.5/17

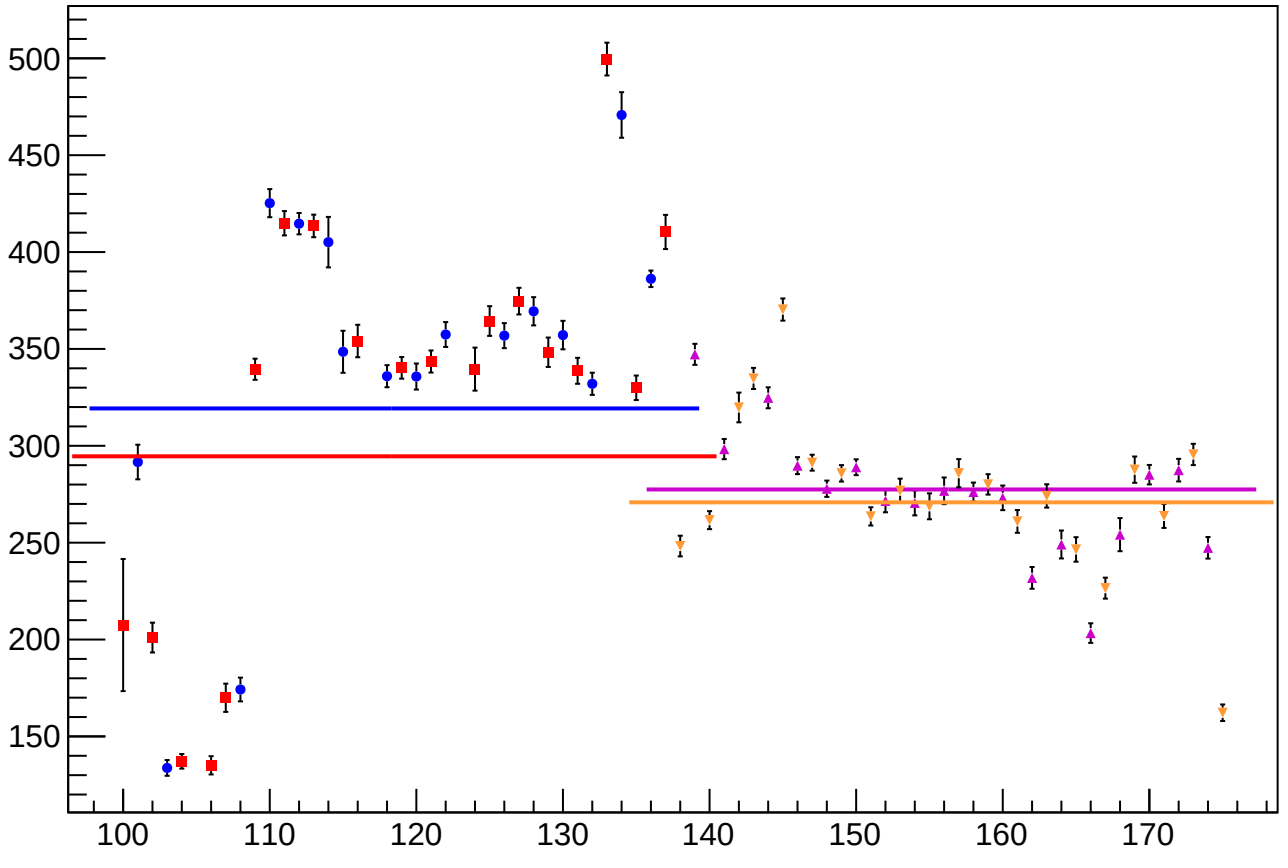
Left: 10.989+/-0.615 χ^2/NDF: 774.8/37

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 10.708+/-0.764 χ^2/NDF:364.2/33

Out: 11.464+/-0.721 χ^2/NDF:607.1/38

All: 11.108+/-0.524 χ^2/NDF: 971.8/72



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 270.818+/-1.215 χ^2/NDF:1307.8/19

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 277.468+/-1.271 χ^2/NDF:614.4/17

Left: 273.994+/-0.878 χ^2/NDF: 1936.6/37

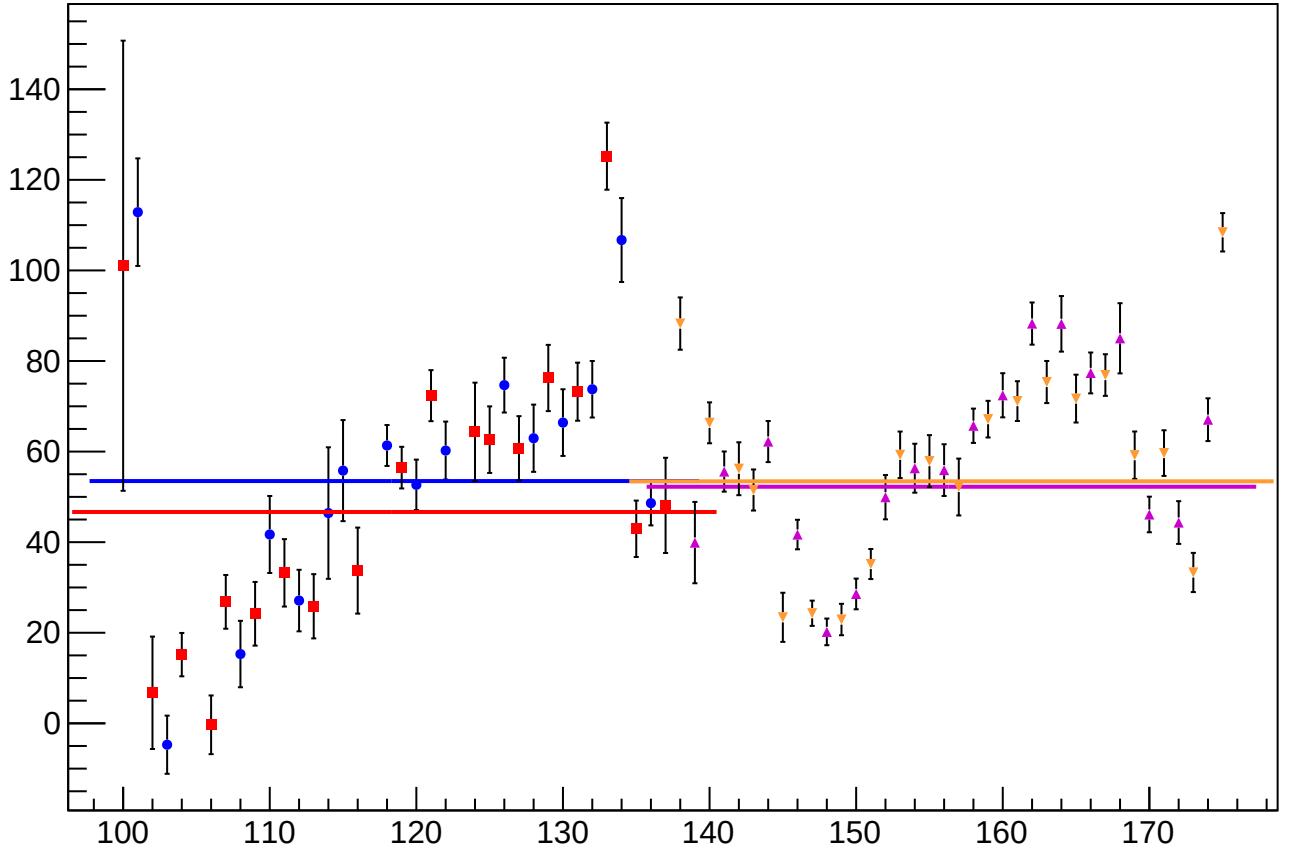
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 293.821+/-0.992 χ^2/NDF:4830.9/33

Out: 280.371+/-0.940 χ^2/NDF:6964.7/38

All: 286.733+/-0.682 χ^2/NDF: 11892.5/72

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.436+/-0.993 χ^2/NDF:575.3/19

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 52.239+/-1.043 χ^2/NDF:374.4/17

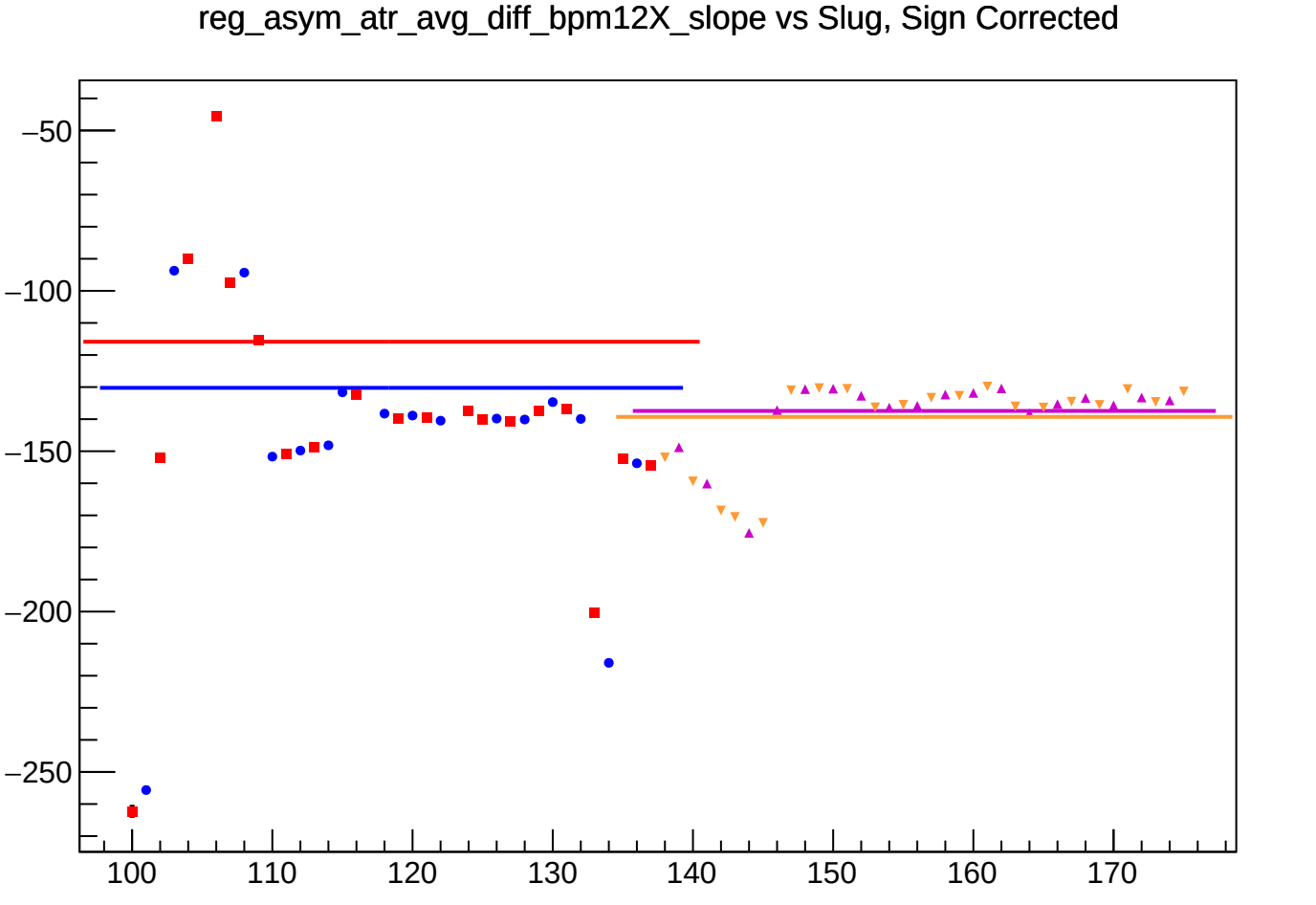
Left: 52.867+/-0.719 χ^2/NDF: 950.3/37

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

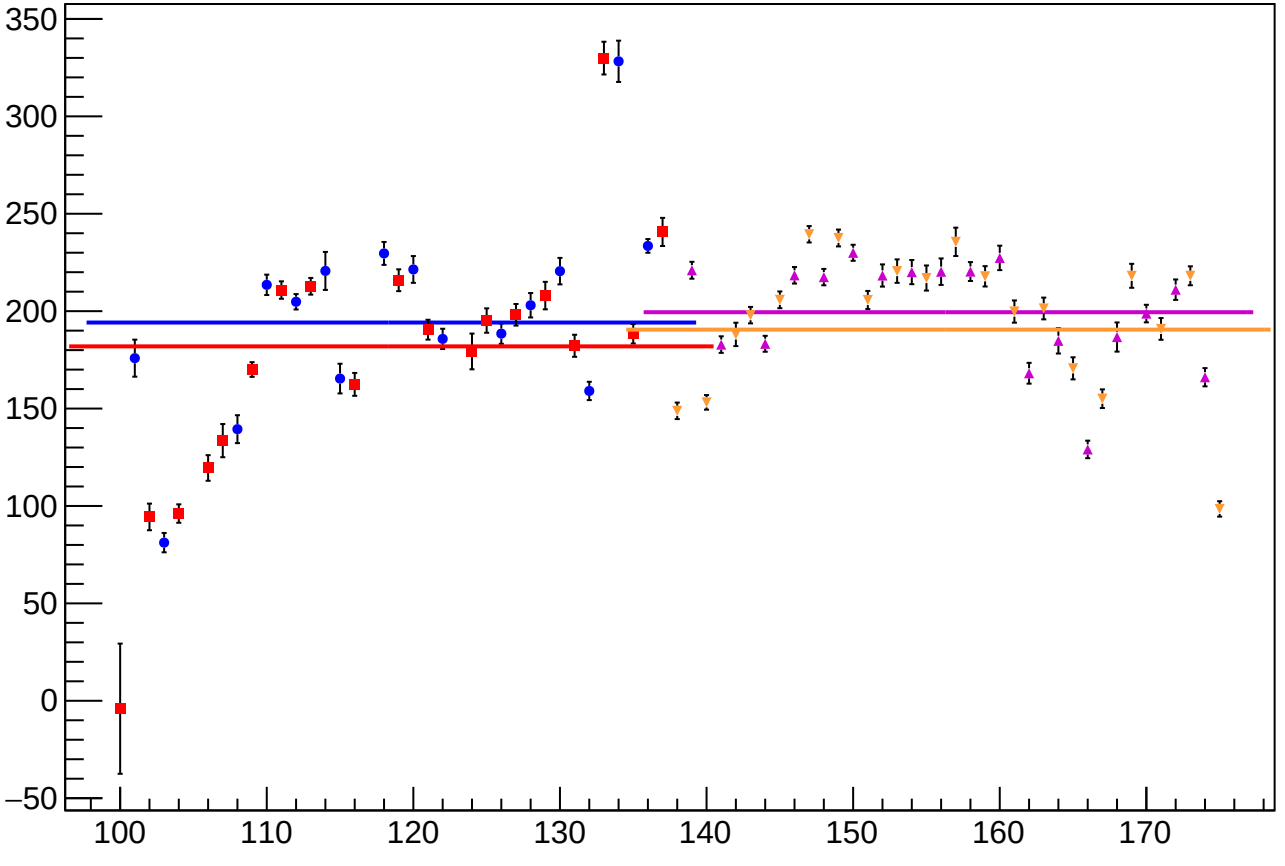
In: 52.582+/-0.889 χ^2/NDF:592.0/33

Out: 51.543+/-0.843 χ^2/NDF:913.9/38

All: 52.035+/-0.611 χ^2/NDF: 1506.6/72


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -139.293+/-0.047 χ²/NDF:78035.9/19
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -137.437+/-0.048 χ²/NDF:46983.6/17
Left: -138.381+/-0.033 χ²/NDF: 125787.5/37
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -135.885+/-0.042 χ²/NDF:226095.3/33
Out: -133.891+/-0.041 χ²/NDF:341408.5/38
All: -134.861+/-0.029 χ²/NDF: 568645.8/72

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 190.526+/-1.097 χ^2/NDF:1250.4/19

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 199.461+/-1.160 χ^2/NDF:562.0/17

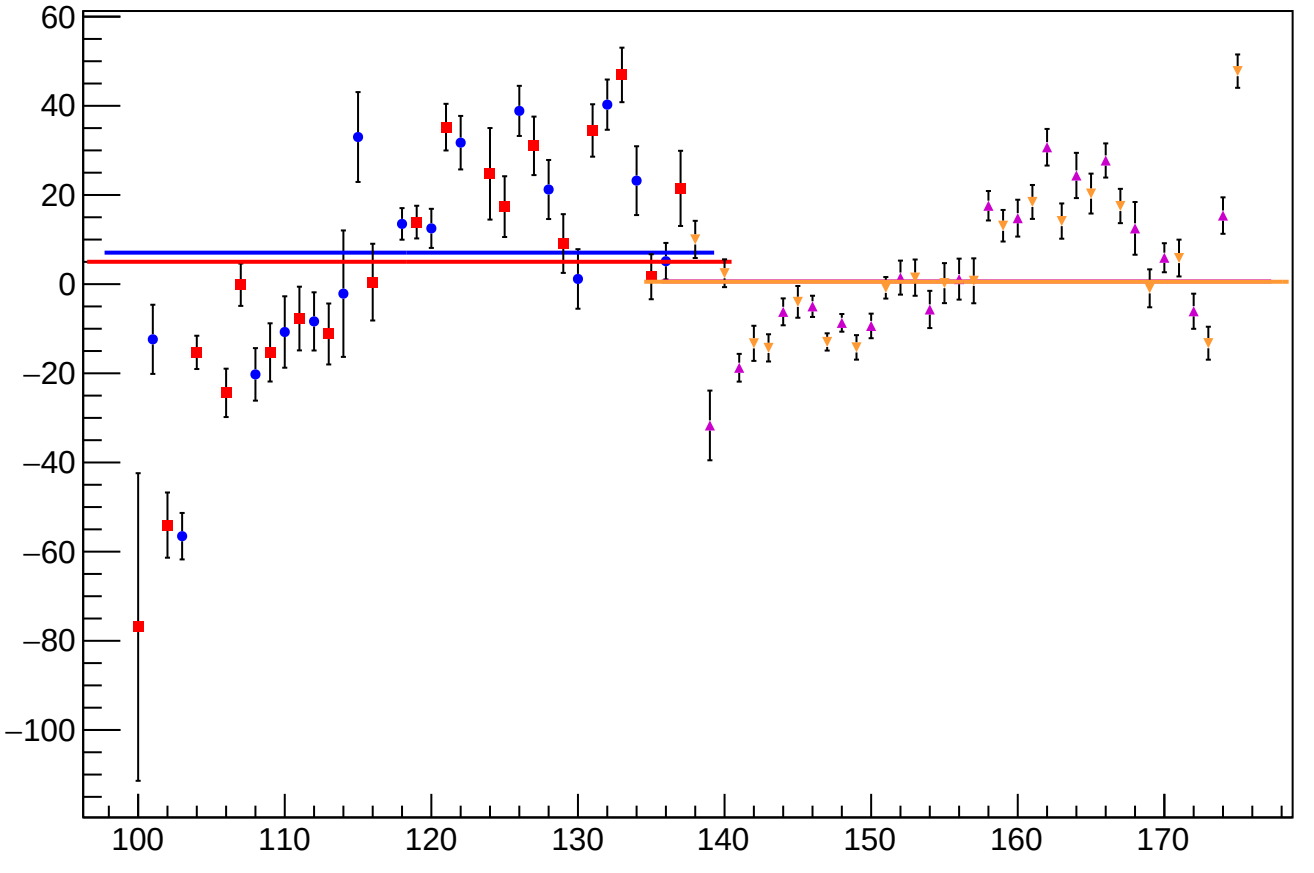
Left: 194.746+/-0.797 χ^2/NDF: 1843.6/37

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 197.316+/-0.895 χ^2/NDF:1605.6/33

Out: 187.018+/-0.844 χ^2/NDF:2480.2/38

All: 191.867+/-0.614 χ^2/NDF: 4155.9/72



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.537+/-0.762 χ^2/NDF:381.4/19

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 0.616+/-0.809 χ^2/NDF:290.3/17

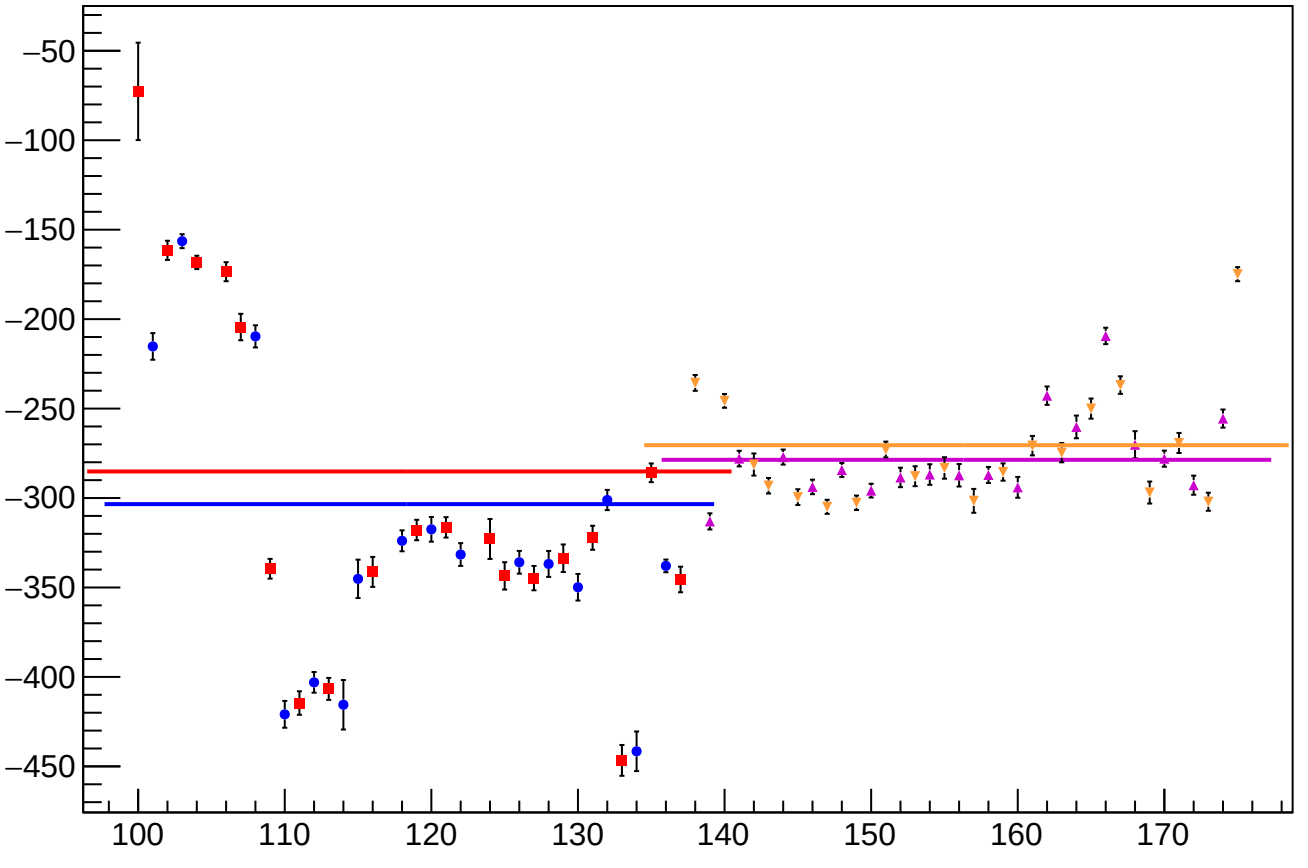
Left: 0.574+/-0.555 χ^2/NDF: 671.7/37

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 2.158+/-0.705 χ^2/NDF:598.1/33

Out: 1.614+/-0.664 χ^2/NDF:678.2/38

All: 1.870+/-0.484 χ^2/NDF: 1276.6/72



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -270.458+/-1.082 χ^2/NDF:1068.7/19

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -278.637+/-1.139 χ^2/NDF:426.4/17

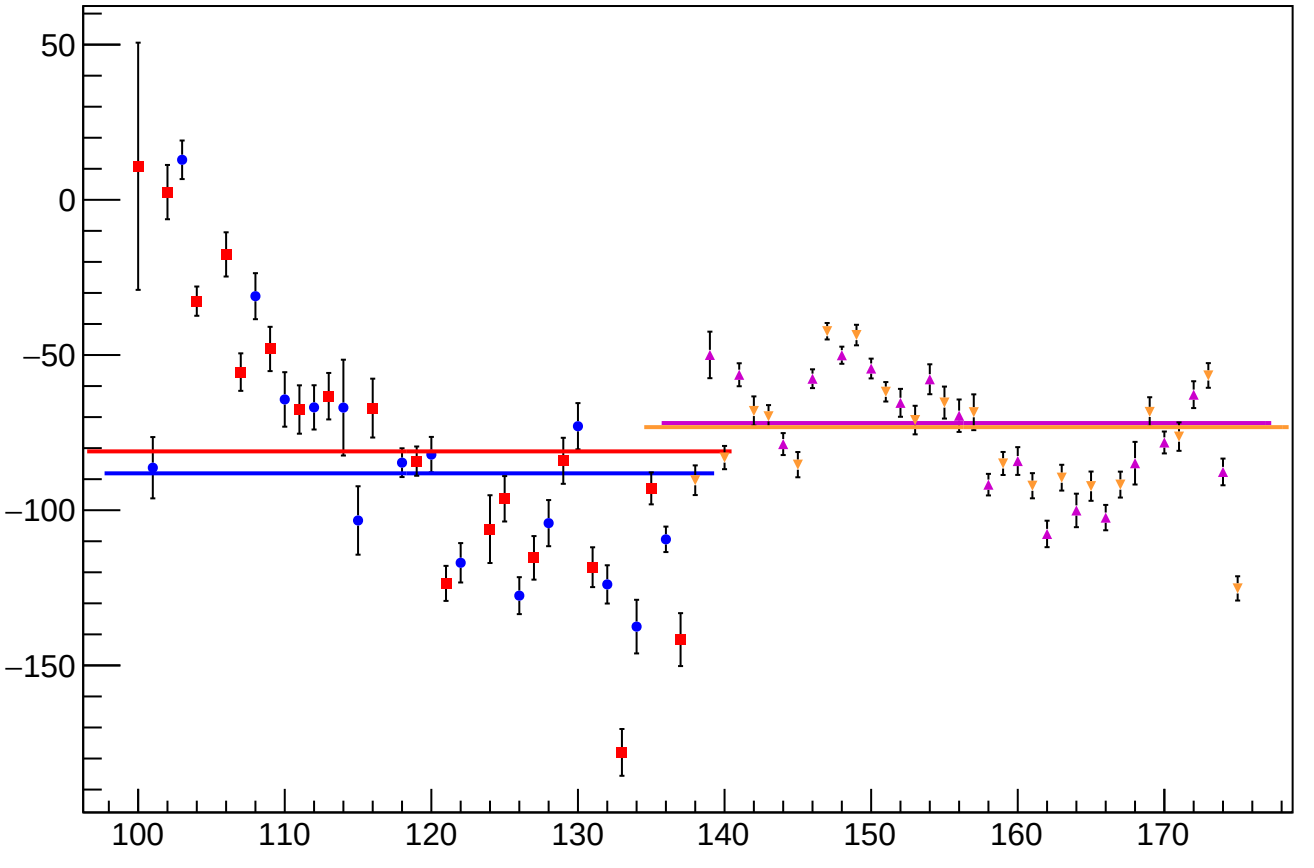
Left: -274.336+/-0.784 χ^2/NDF: 1522.2/37

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -287.471+/-0.914 χ^2/NDF:3380.6/33

Out: -275.706+/-0.867 χ^2/NDF:4889.4/38

All: -281.281+/-0.629 χ^2/NDF: 8357.2/72



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.234+/-0.890 χ^2/NDF:541.8/19

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -71.911+/-0.941 χ^2/NDF:373.7/17

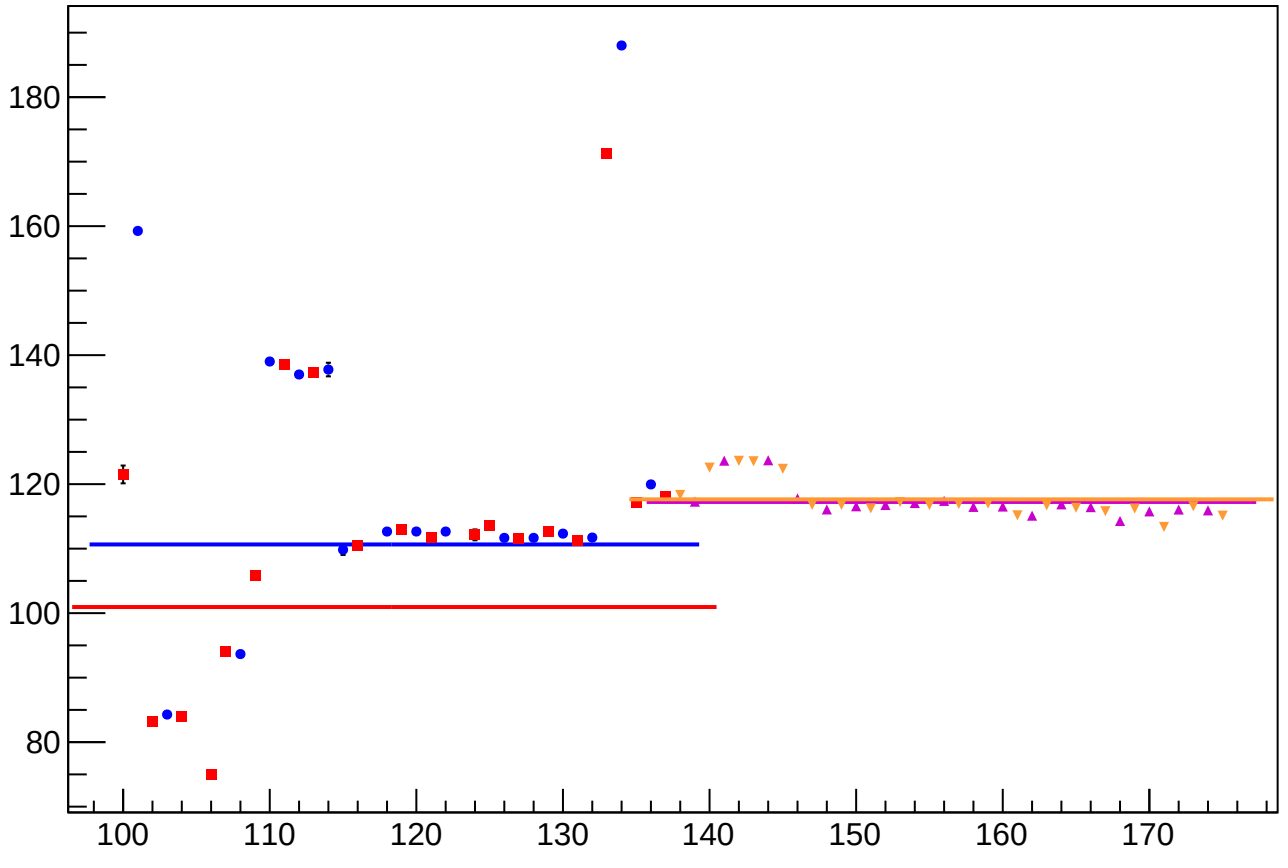
Left: -72.609+/-0.647 χ^2/NDF: 916.5/37

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.870+/-0.818 χ^2/NDF:958.1/33

Out: -75.137+/-0.774 χ^2/NDF:1238.1/38

All: -75.483+/-0.562 χ^2/NDF: 2196.6/72



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.644+/-0.042 χ^2/NDF:4467.4/19

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.240+/-0.043 χ^2/NDF:3043.6/17

Left: 117.447+/-0.030 χ^2/NDF: 7556.4/37

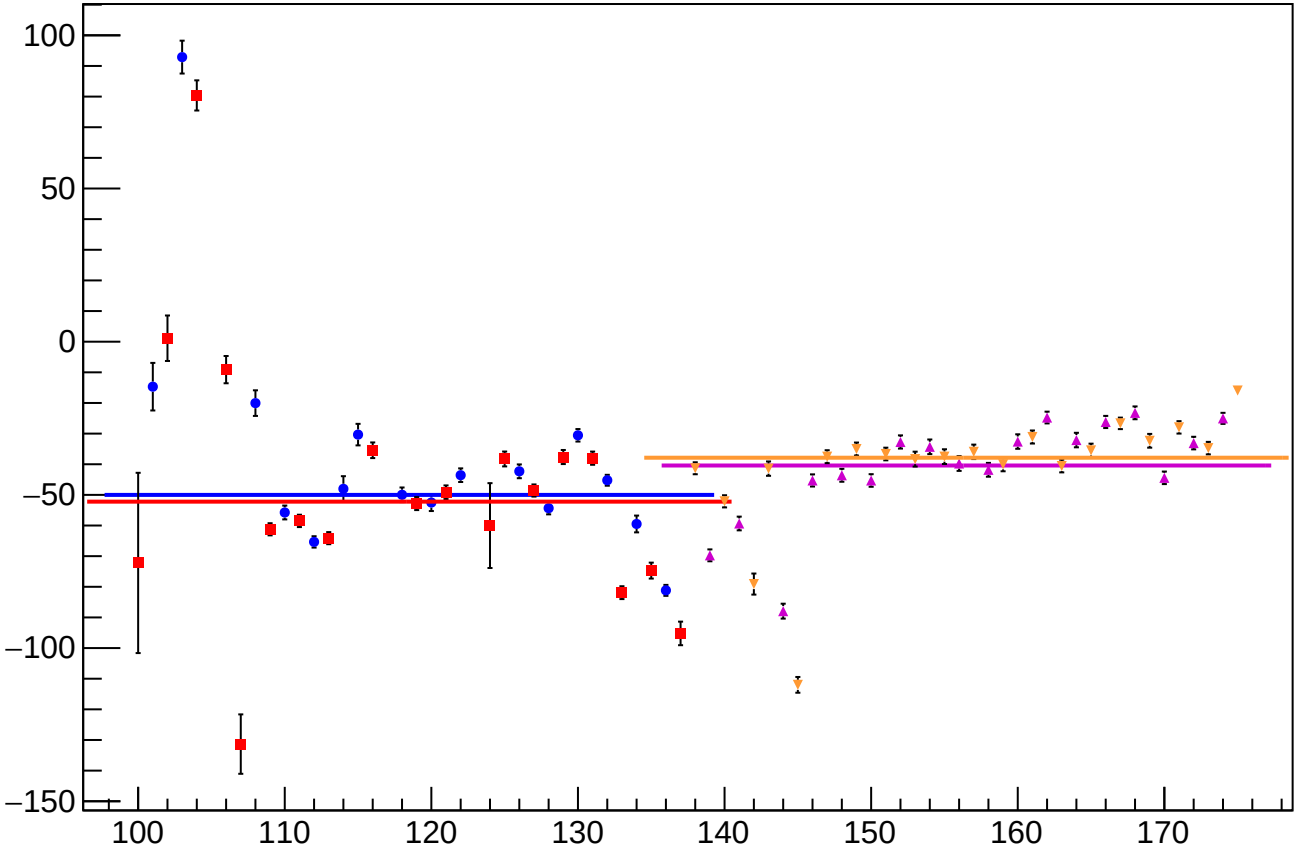
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.924+/-0.038 χ^2/NDF:91282.7/33

Out: 114.126+/-0.037 χ^2/NDF:100022.8/38

All: 114.996+/-0.027 χ^2/NDF: 192438.4/72

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -37.870+/-0.476 χ^2/NDF:1338.5/19

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -40.411+/-0.500 χ^2/NDF:1012.8/17

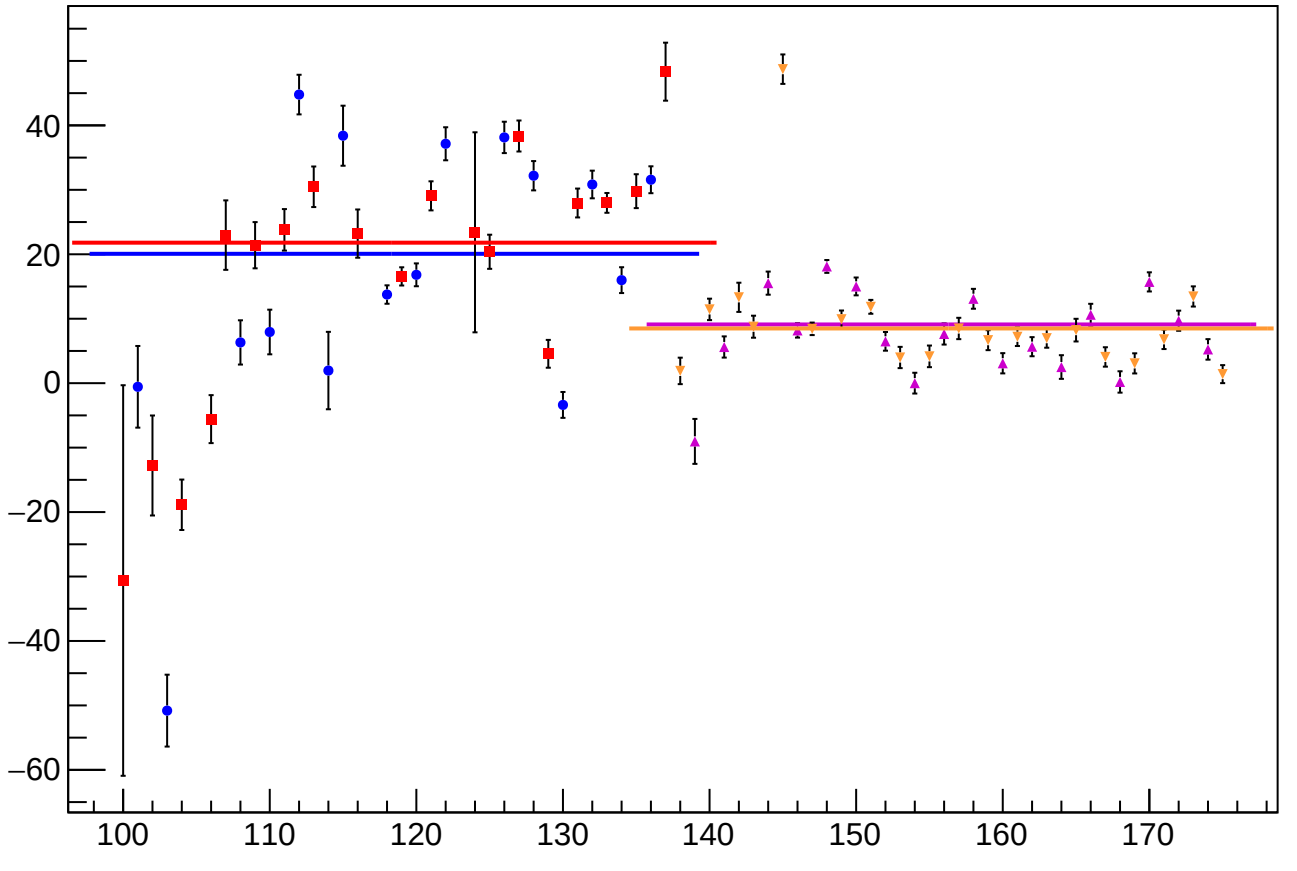
Left: -39.077+/-0.345 χ^2/NDF: 2364.9/37

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -44.268+/-0.387 χ^2/NDF:2488.2/33

Out: -43.349+/-0.374 χ^2/NDF:3255.8/38

All: -43.793+/-0.269 χ^2/NDF: 5746.9/72



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.489+/-0.338 χ^2/NDF:413.8/19

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.110+/-0.356 χ^2/NDF:276.0/17

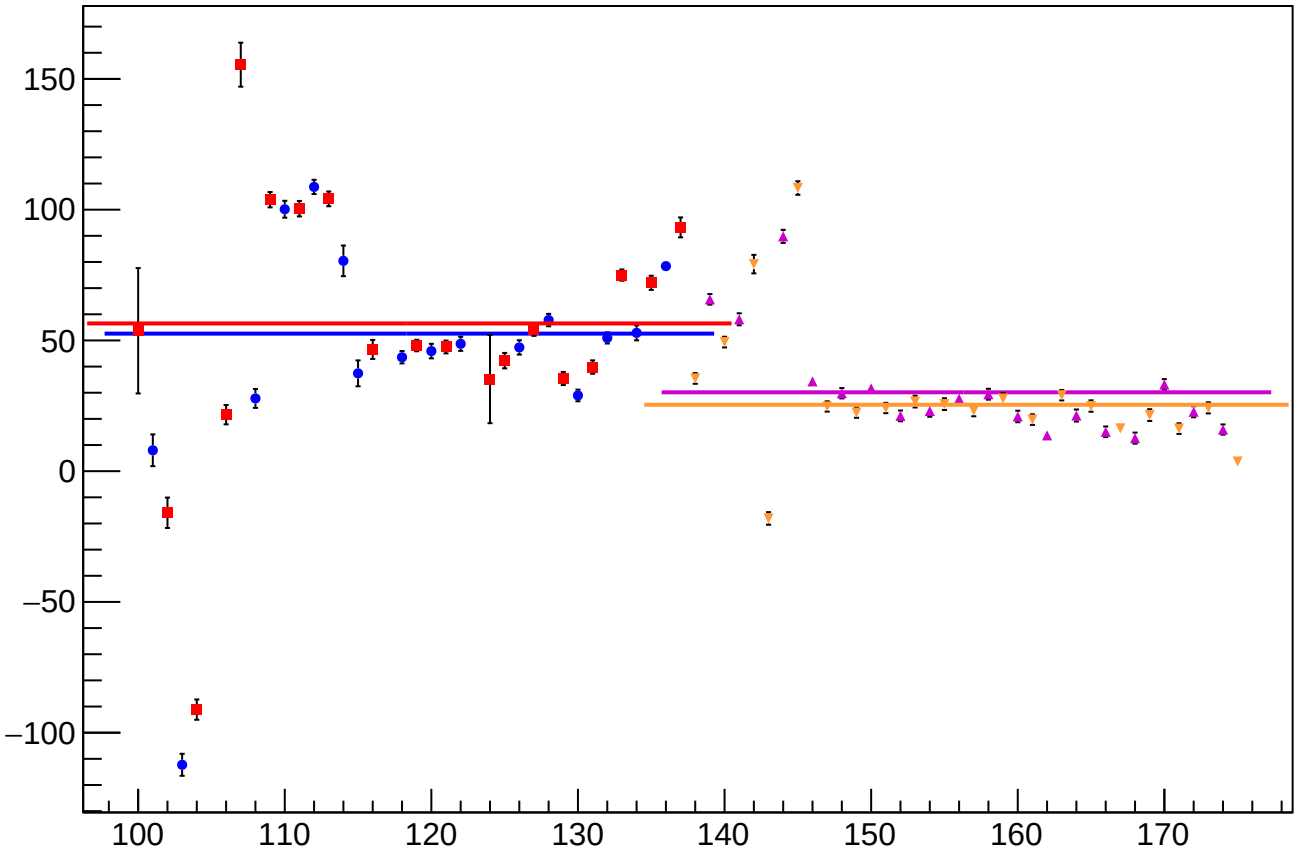
Left: 8.783+/-0.245 χ^2/NDF: 691.3/37

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 11.887+/-0.308 χ^2/NDF:1151.8/33

Out: 11.517+/-0.297 χ^2/NDF:1163.9/38

All: 11.695+/-0.214 χ^2/NDF: 2316.4/72



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 25.398+/-0.467 χ^2/NDF:2018.4/19

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 30.164+/-0.491 χ^2/NDF:1363.6/17

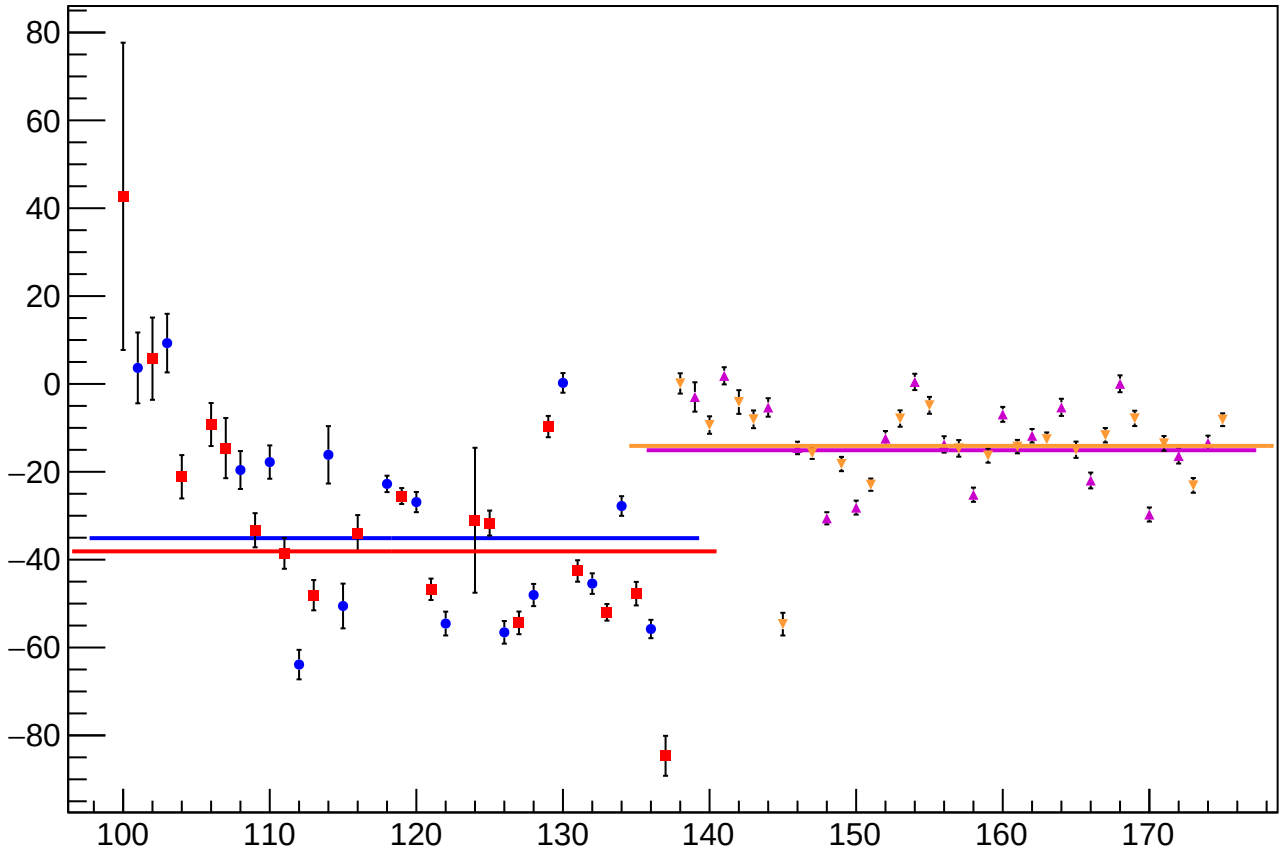
Left: 27.663+/-0.338 χ^2/NDF: 3431.5/37

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 37.611+/-0.401 χ^2/NDF:4716.9/33

Out: 34.874+/-0.389 χ^2/NDF:6335.4/38

All: 36.202+/-0.279 χ^2/NDF: 11076.3/72



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.097+/-0.387 χ^2/NDF:458.4/19

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.093+/-0.409 χ^2/NDF:627.1/17

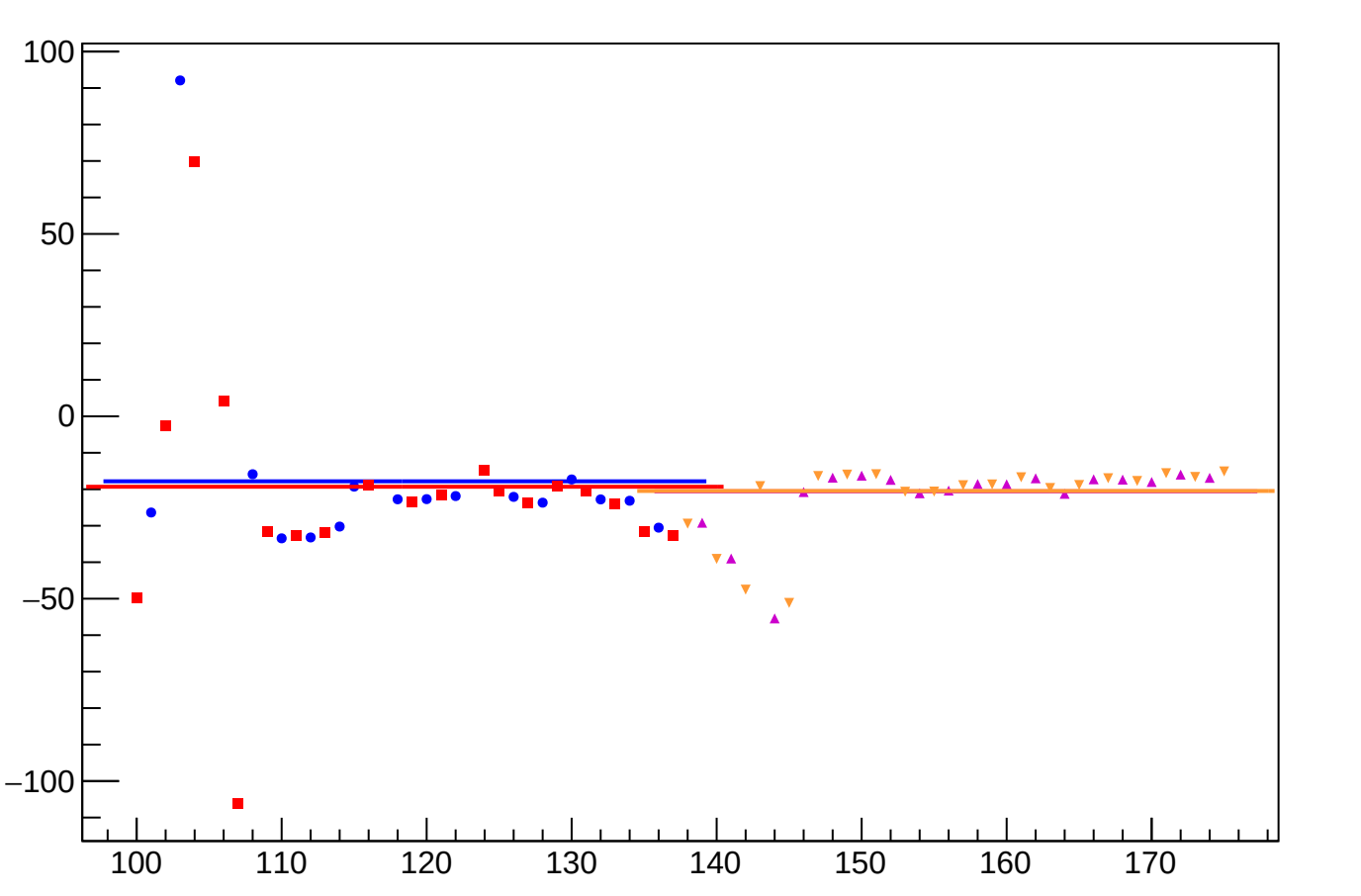
Left: -14.568+/-0.281 χ^2/NDF: 1088.6/37

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.184+/-0.353 χ^2/NDF:2009.5/33

Out: -19.562+/-0.341 χ^2/NDF:1846.9/38

All: -19.862+/-0.245 χ^2/NDF: 3858.0/72



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.463+/-0.018 χ^2/NDF:210162.4/19

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -20.576+/-0.018 χ^2/NDF:172245.6/17

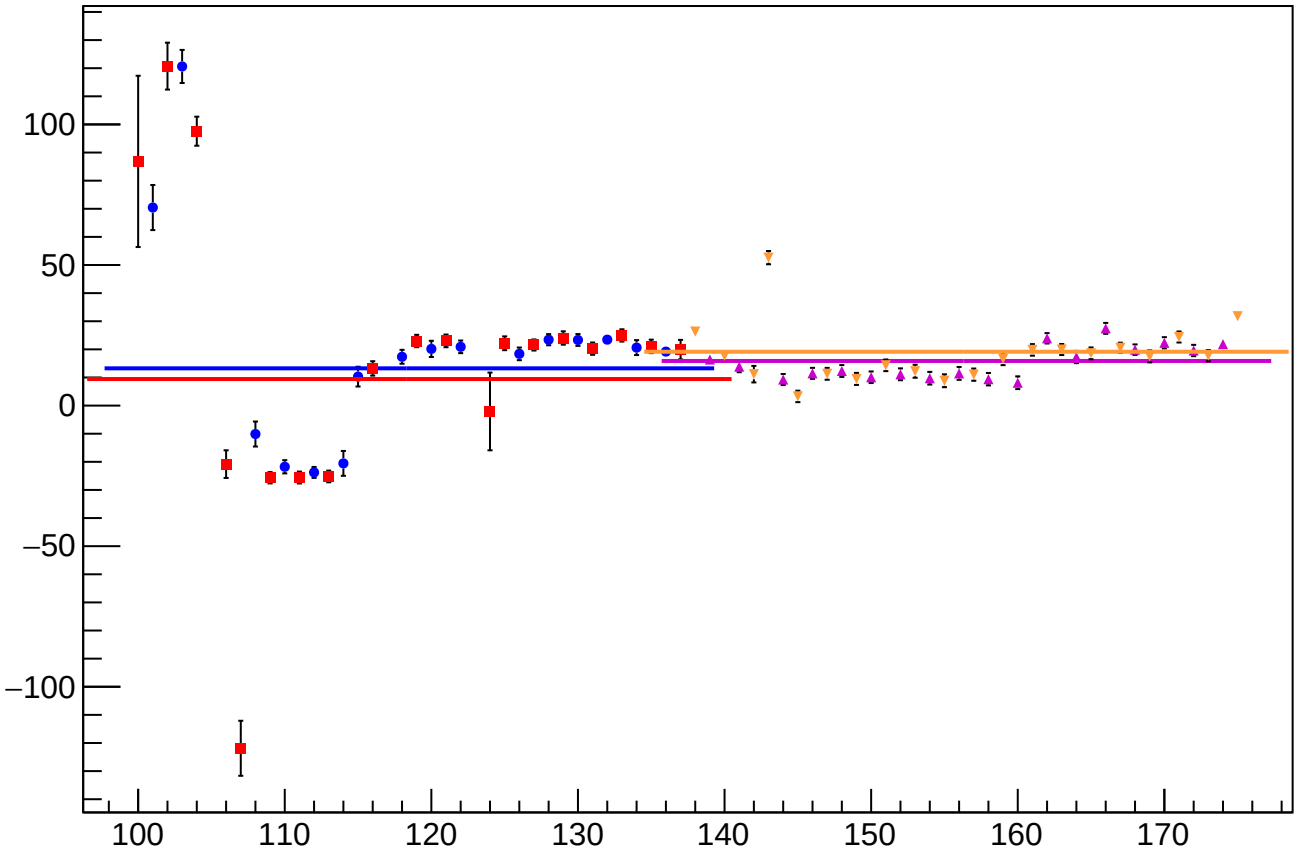
Left: -20.519+/-0.013 χ^2/NDF: 382428.0/37

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.166+/-0.017 χ^2/NDF:601818.5/33

Out: -20.316+/-0.016 χ^2/NDF:555334.8/38

All: -20.242+/-0.012 χ^2/NDF: 1157194.4/72



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.153+/-0.453 χ^2/NDF:456.8/19

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.874+/-0.473 χ^2/NDF:149.8/17

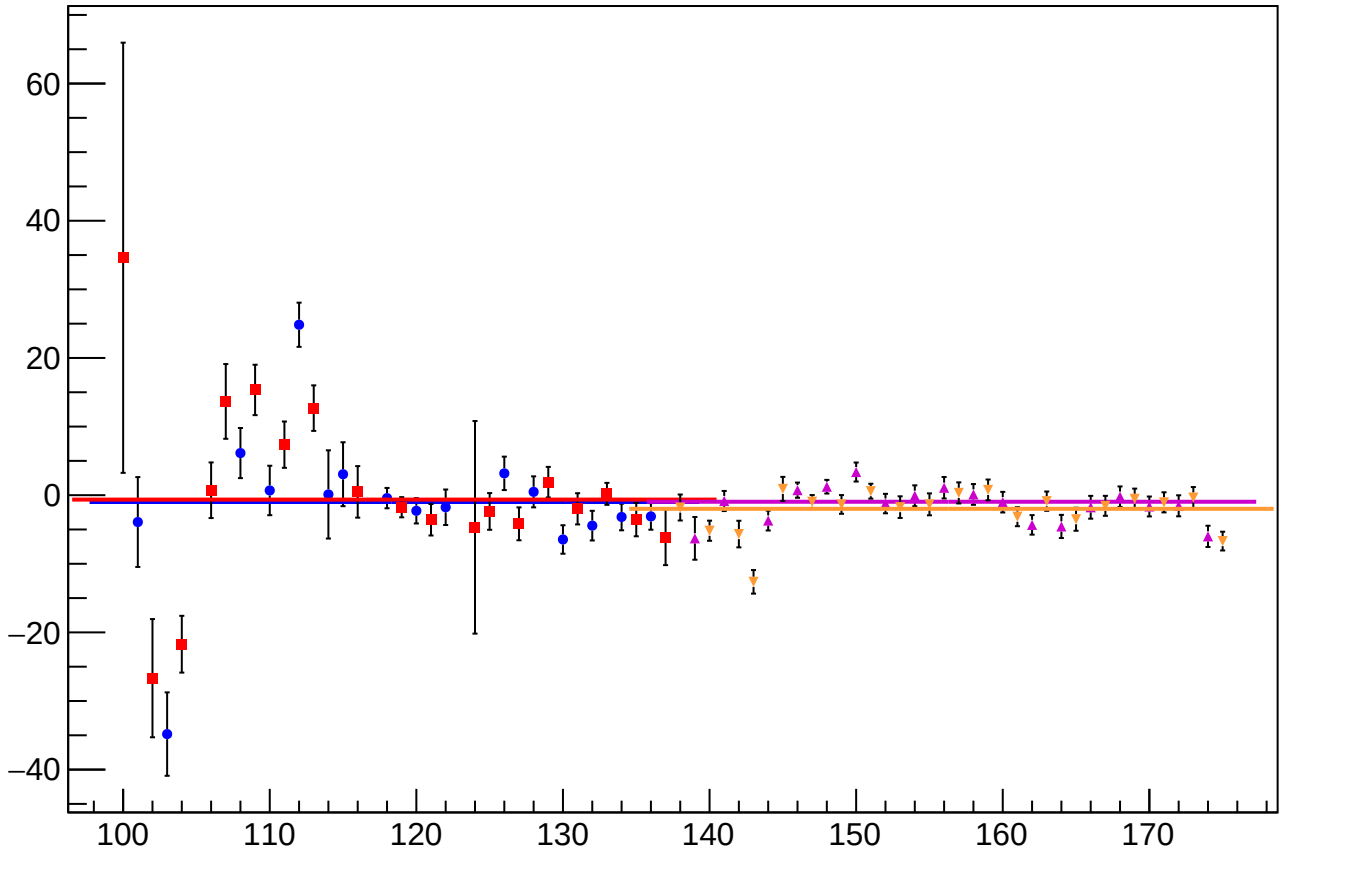
Left: 17.586+/-0.327 χ^2/NDF: 631.7/37

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.897+/-0.375 χ^2/NDF:1343.7/33

Out: 15.742+/-0.365 χ^2/NDF:2454.9/38

All: 15.331+/-0.261 χ^2/NDF: 3801.2/72



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.989+/-0.325 χ^2/NDF:78.7/19

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.959+/-0.341 χ^2/NDF:47.7/17

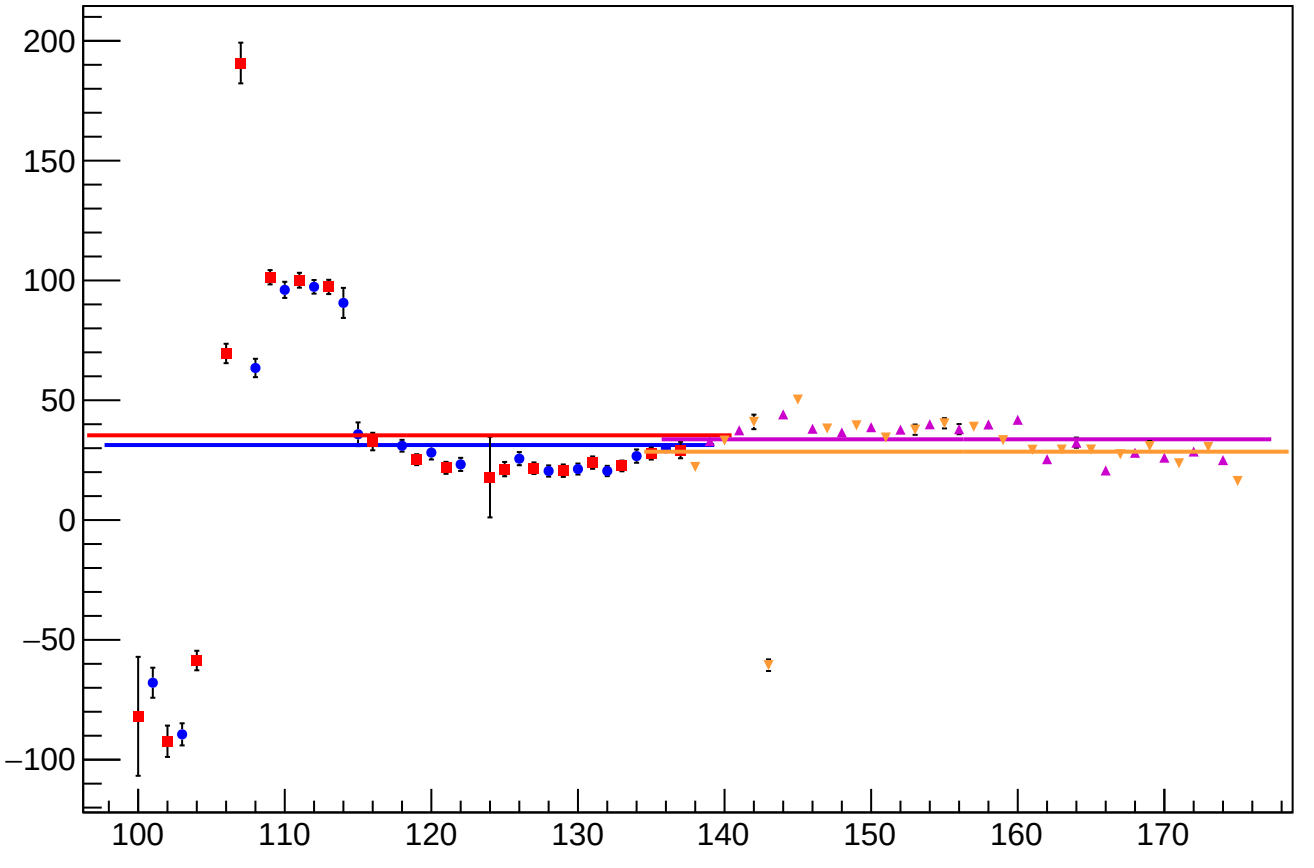
Left: -1.500+/-0.235 χ^2/NDF: 131.2/37

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.967+/-0.299 χ^2/NDF:164.0/33

Out: -1.711+/-0.289 χ^2/NDF:176.5/38

All: -1.352+/-0.208 χ^2/NDF: 343.8/72



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.544+/-0.445 χ^2/NDF:1719.5/19

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 33.705+/-0.466 χ^2/NDF:202.0/17

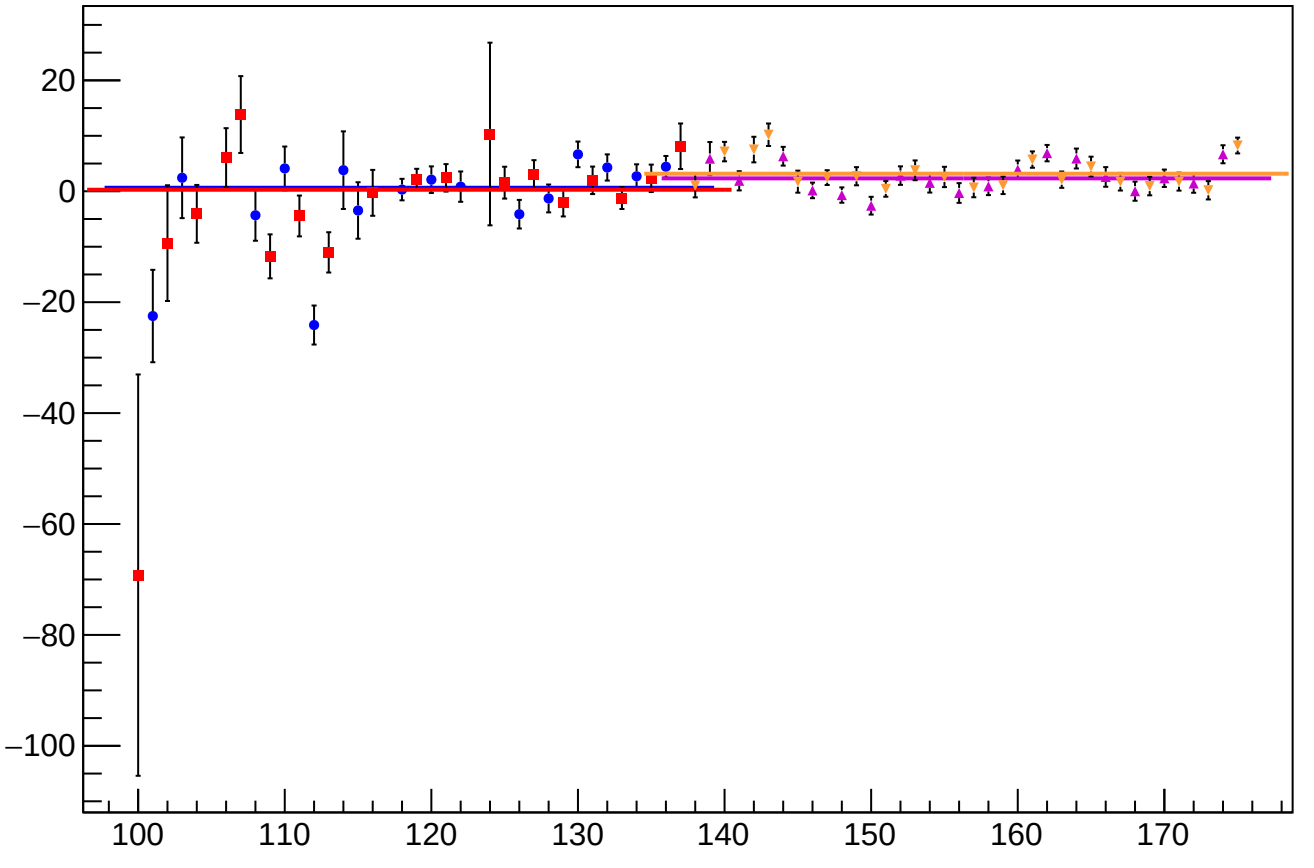
Left: 31.009+/-0.322 χ^2/NDF: 1985.6/37

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 32.971+/-0.388 χ^2/NDF:2296.0/33

Out: 30.442+/-0.378 χ^2/NDF:4682.5/38

All: 31.675+/-0.271 χ^2/NDF: 7000.2/72



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.169+/-0.372 χ^2/NDF:53.8/19

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.327+/-0.391 χ^2/NDF:50.7/17

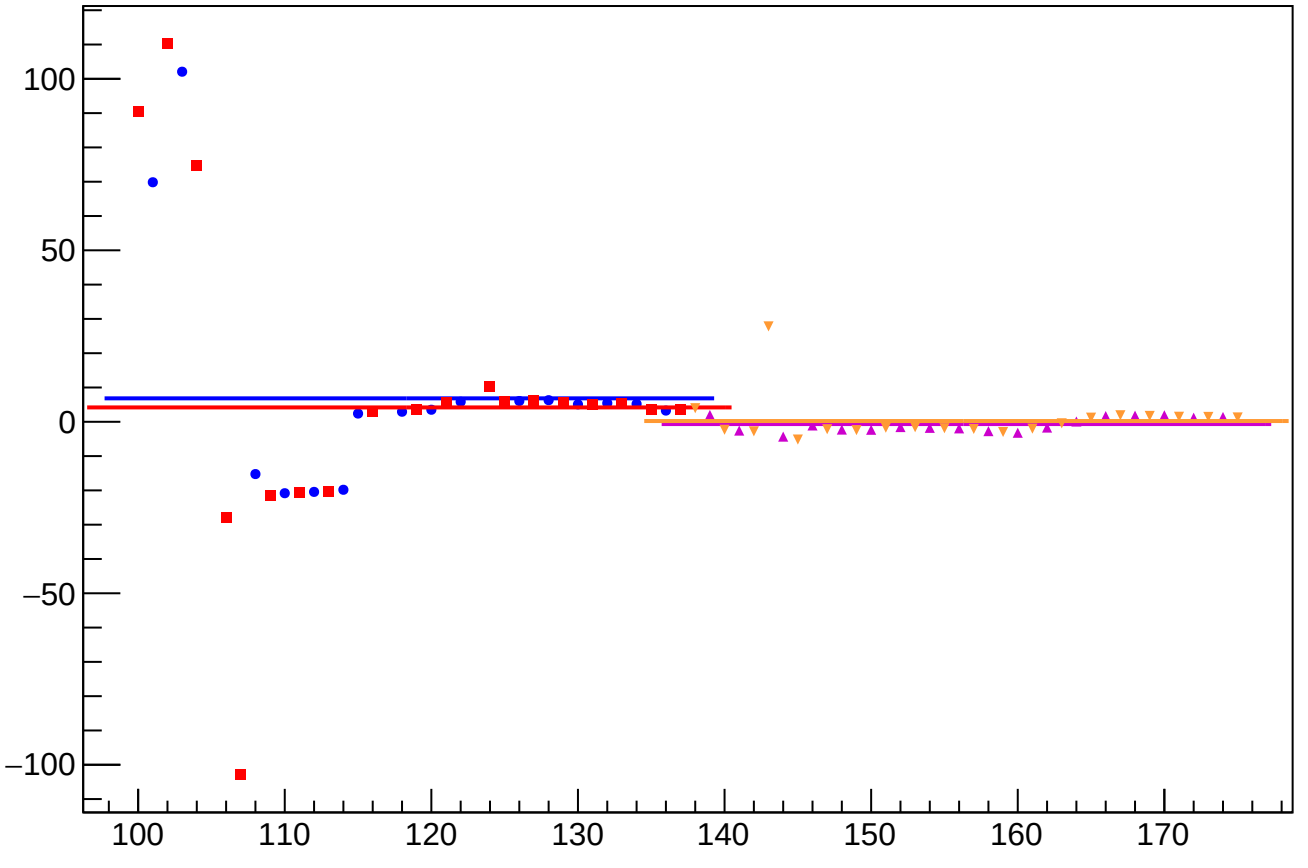
Left: 2.769+/-0.269 χ^2/NDF: 106.9/37

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.929+/-0.342 χ^2/NDF:133.5/33

Out: 2.568+/-0.331 χ^2/NDF:106.9/38

All: 2.258+/-0.238 χ^2/NDF: 242.2/72



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.220+/-0.017 χ^2/NDF:93836.5/19

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.661+/-0.017 χ^2/NDF:13147.6/17

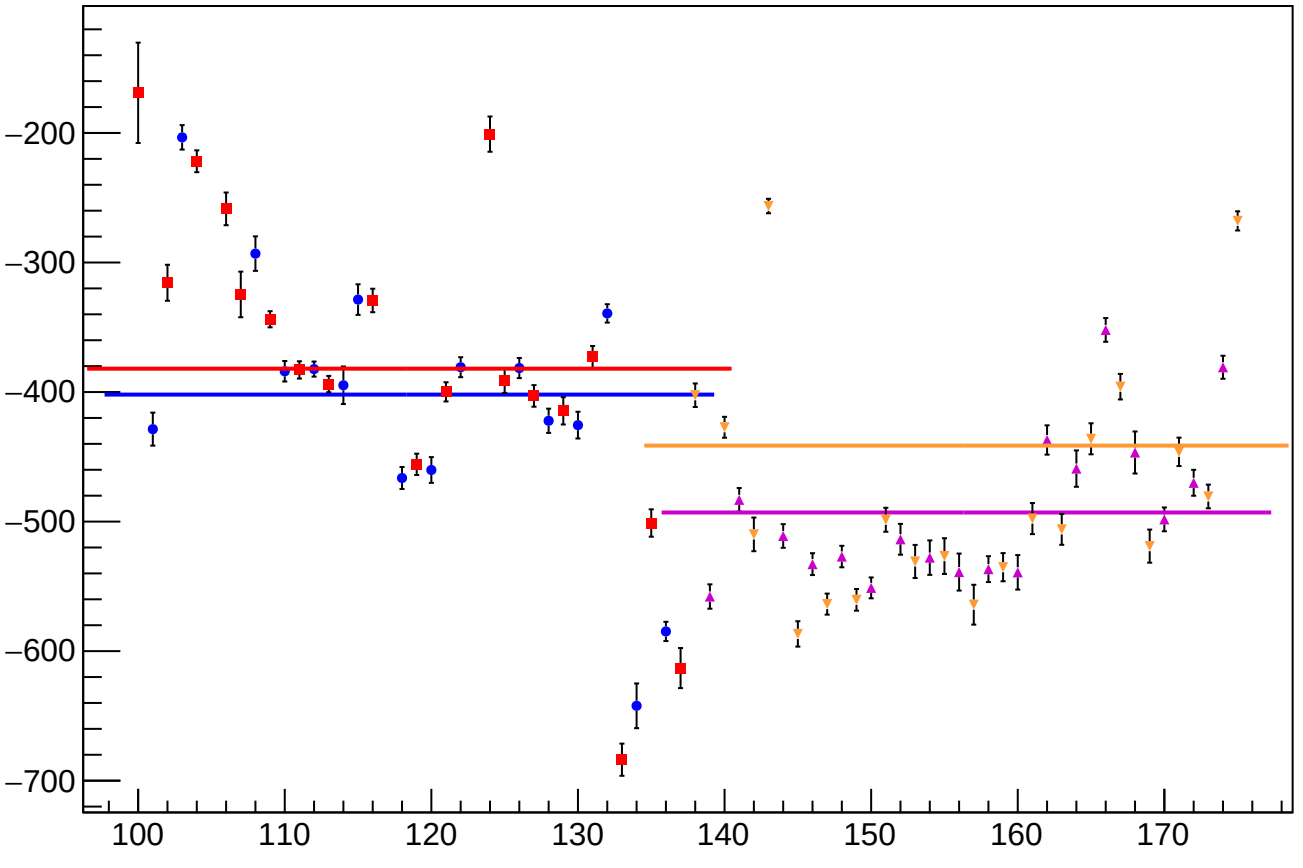
Left: -0.211+/-0.012 χ^2/NDF: 108329.8/37

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.376+/-0.016 χ^2/NDF:360498.4/33

Out: 0.683+/-0.016 χ^2/NDF:534879.3/38

All: 0.531+/-0.011 χ^2/NDF: 895564.3/72



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -441.333+/-2.147 χ^2/NDF:2735.1/19

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -492.970+/-2.386 χ^2/NDF:635.1/17

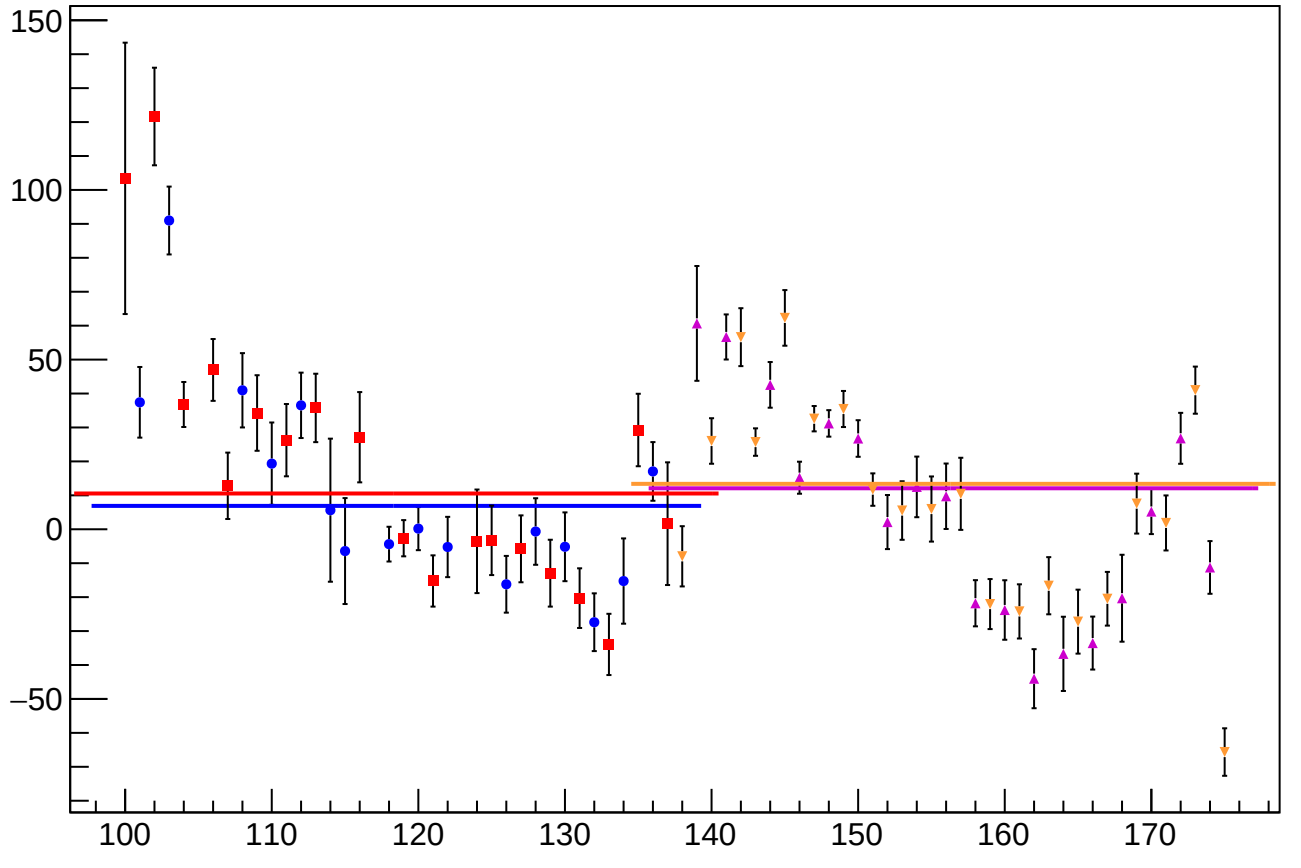
Left: -464.445+/-1.596 χ^2/NDF: 3629.0/37

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -444.522+/-1.631 χ^2/NDF:2973.1/33

Out: -411.320+/-1.510 χ^2/NDF:4939.0/38

All: -426.642+/-1.108 χ^2/NDF: 8135.1/72



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 13.386+/-1.485 χ^2/NDF:365.7/19

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 12.077+/-1.649 χ^2/NDF:264.8/17

Left: 12.799+/-1.104 χ^2/NDF: 630.8/37

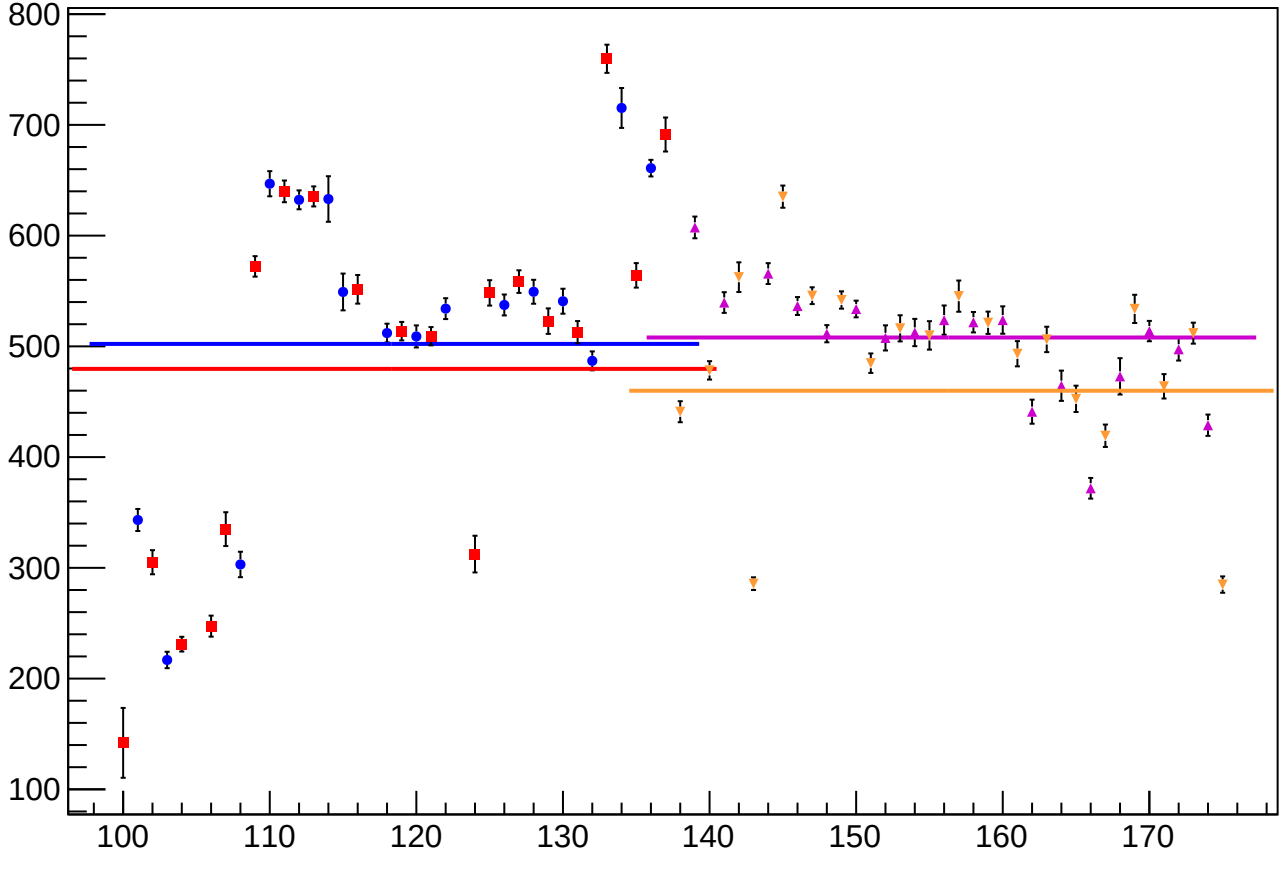
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.279+/-1.333 χ^2/NDF:406.7/33

Out: 12.494+/-1.231 χ^2/NDF:546.9/38

All: 11.475+/-0.904 χ^2/NDF: 955.0/72

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 459.933+/-2.121 χ^2/NDF:2318.2/19

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 508.005+/-2.341 χ^2/NDF:515.8/17

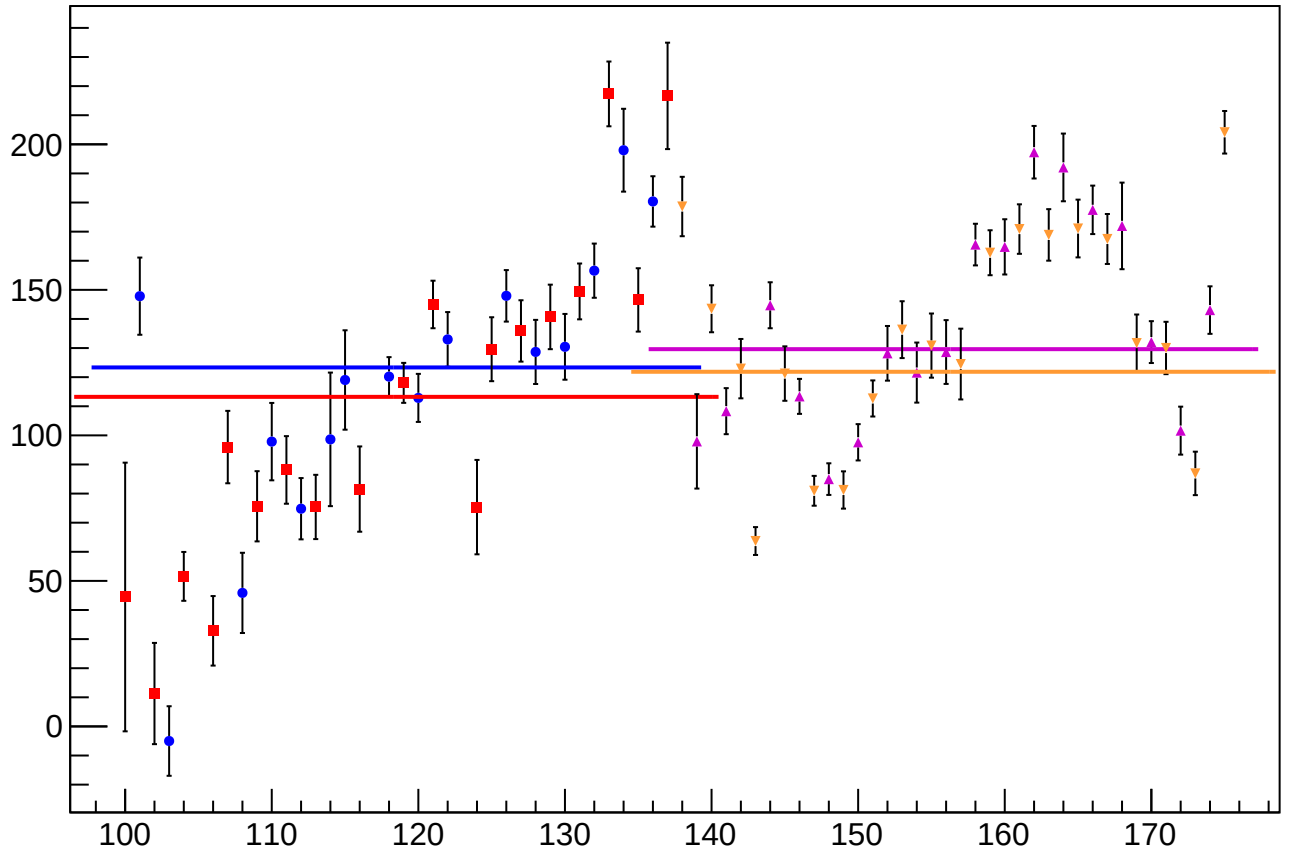
Left: 481.603+/-1.572 χ^2/NDF: 3065.5/37

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 505.290+/-1.707 χ^2/NDF:3653.8/33

Out: 468.596+/-1.589 χ^2/NDF:6494.8/38

All: 485.637+/-1.163 χ^2/NDF: 10396.2/72



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 121.854+/-1.741 χ^2/NDF:587.4/19

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 129.621+/-1.923 χ^2/NDF:295.9/17

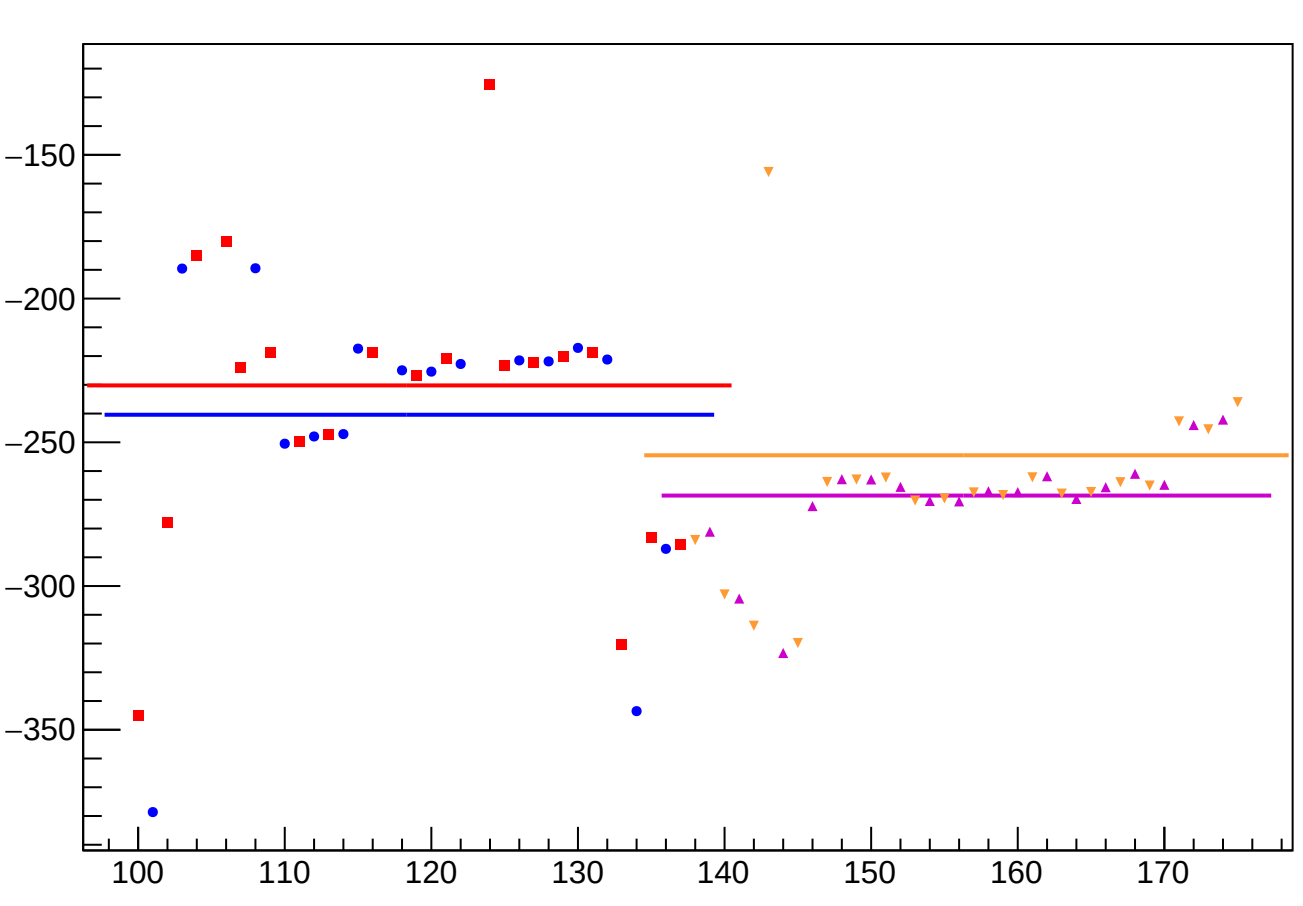
Left: 125.352+/-1.291 χ^2/NDF: 892.2/37

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.431+/-1.552 χ^2/NDF:570.9/33

Out: 119.106+/-1.437 χ^2/NDF:940.9/38

All: 122.949+/-1.054 χ^2/NDF: 1527.4/72



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -254.508+/-0.083 χ^2/NDF:246310.8/19

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -268.531+/-0.088 χ^2/NDF:39563.7/17

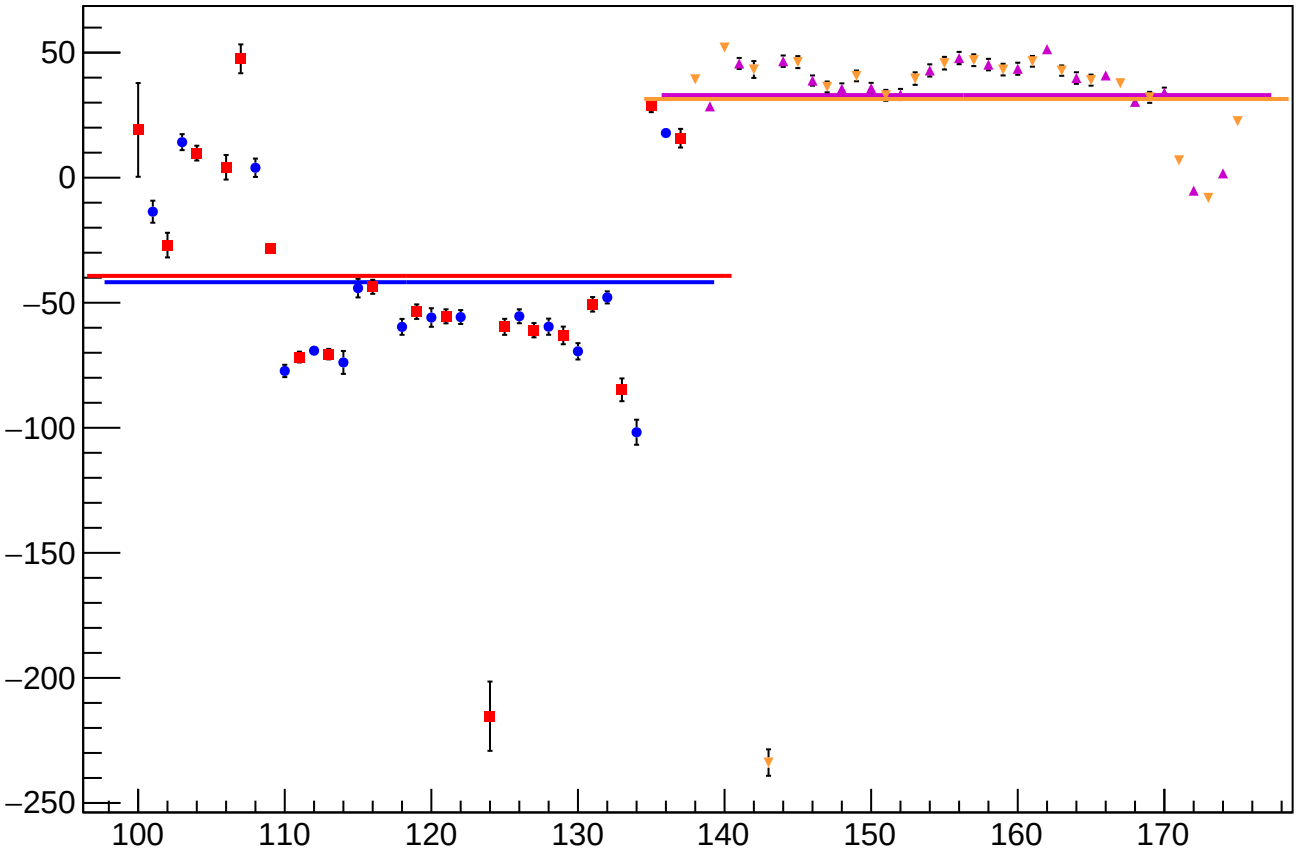
Left: -261.080+/-0.060 χ^2/NDF: 299320.4/37

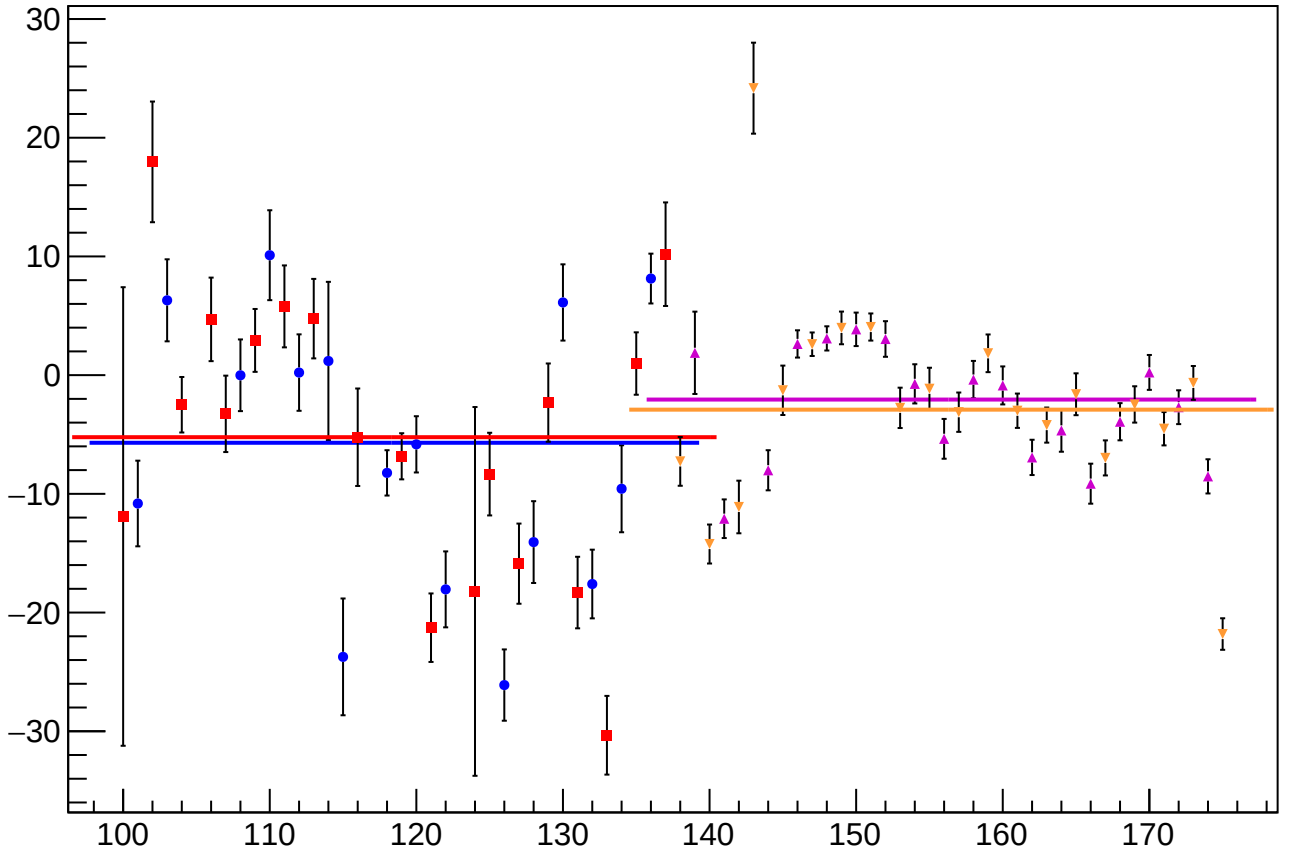
Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.357+/-0.076 χ^2/NDF:199679.2/33

Out: -248.625+/-0.072 χ^2/NDF:350598.4/38

All: -254.647+/-0.052 χ^2/NDF: 565034.9/72


reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -41.788+/-0.723 χ²/NDF: 2405.5/15
Left Out: 31.452+/-0.478 χ²/NDF:3589.2/19
Right Out: -39.263+/-0.680 χ²/NDF: 2478.3/18
Left In: 33.018+/-0.493 χ²/NDF:1082.0/17
Left: 32.210+/-0.343 χ²/NDF: 4676.4/37
Right: -40.447+/-0.495 χ²/NDF: 4890.2/34
In: 9.262+/-0.408 χ²/NDF:10790.5/33
Out: 8.062+/-0.391 χ²/NDF:13312.6/38
All: 8.637+/-0.282 χ²/NDF: 24107.6/72



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.908+/-0.342 χ^2/NDF:434.6/19

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -2.057+/-0.355 χ^2/NDF:184.1/17

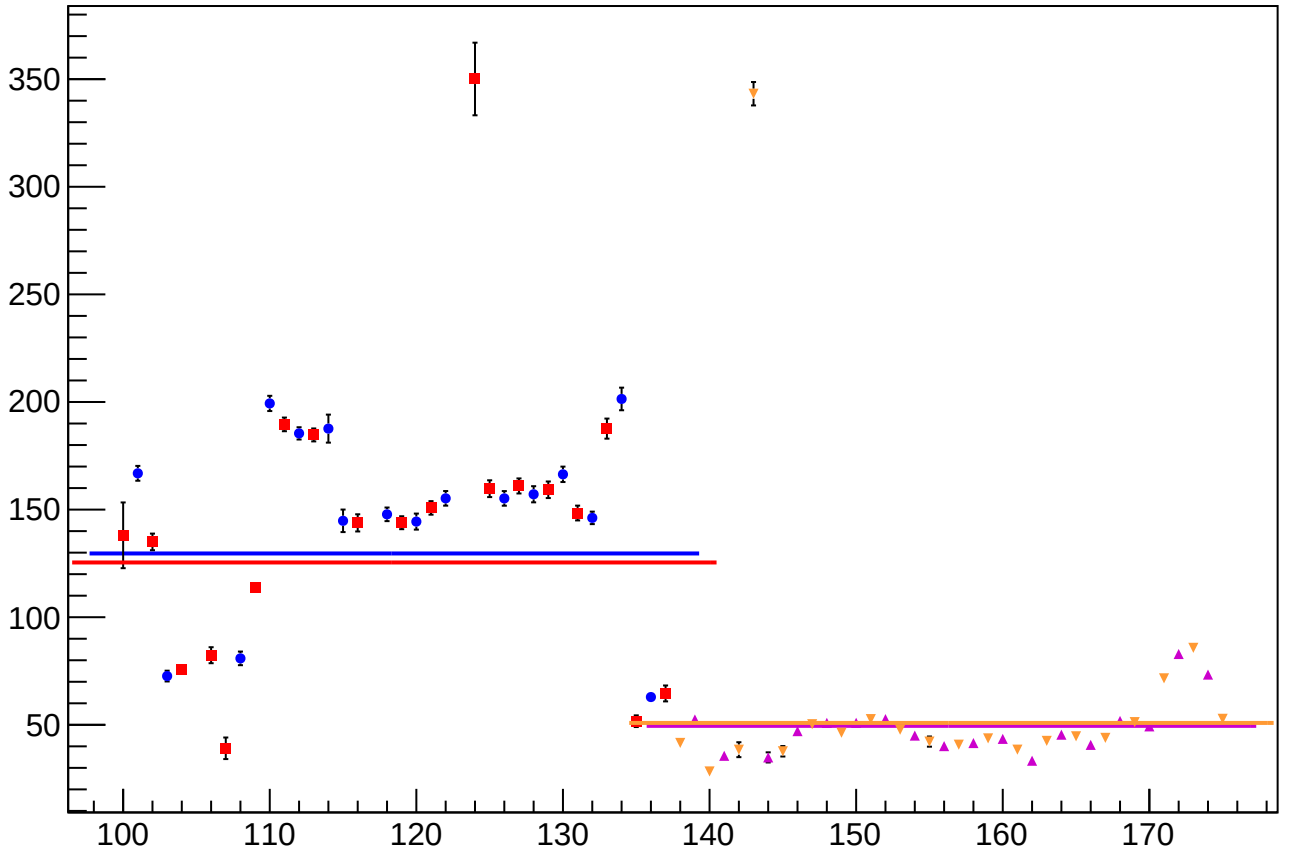
Left: -2.498+/-0.246 χ^2/NDF: 621.7/37

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.718+/-0.321 χ^2/NDF:399.9/33

Out: -3.316+/-0.310 χ^2/NDF:640.1/38

All: -3.027+/-0.223 χ^2/NDF: 1041.8/72



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 50.883+/-0.469 χ^2/NDF:3653.0/19

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 49.523+/-0.486 χ^2/NDF:711.3/17

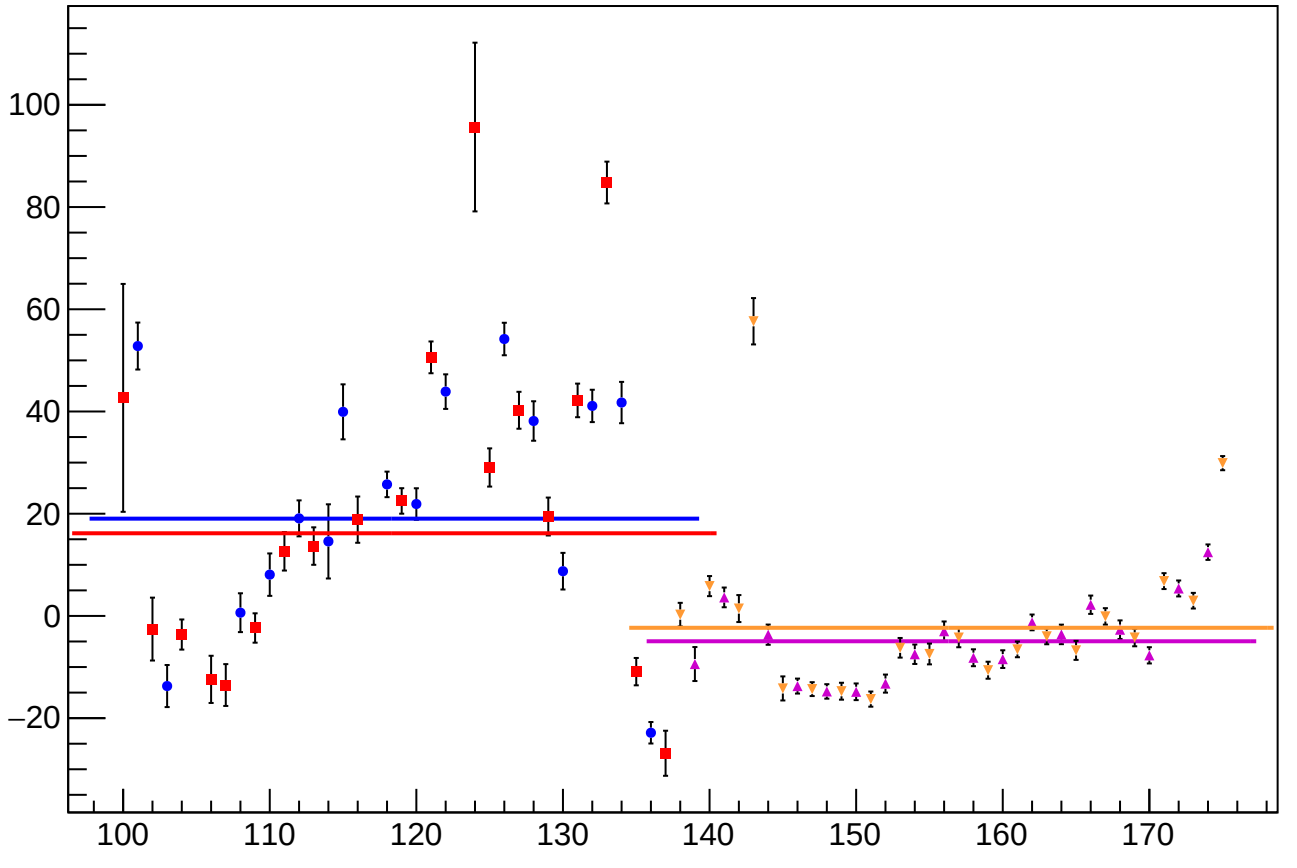
Left: 50.226+/-0.338 χ^2/NDF: 4368.3/37

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 71.074+/-0.415 χ^2/NDF:11651.6/33

Out: 70.345+/-0.404 χ^2/NDF:13740.1/38

All: 70.699+/-0.289 χ^2/NDF: 25393.3/72



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -2.320+/-0.391 χ^2/NDF:1086.1/19

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -4.956+/-0.406 χ^2/NDF:378.6/17

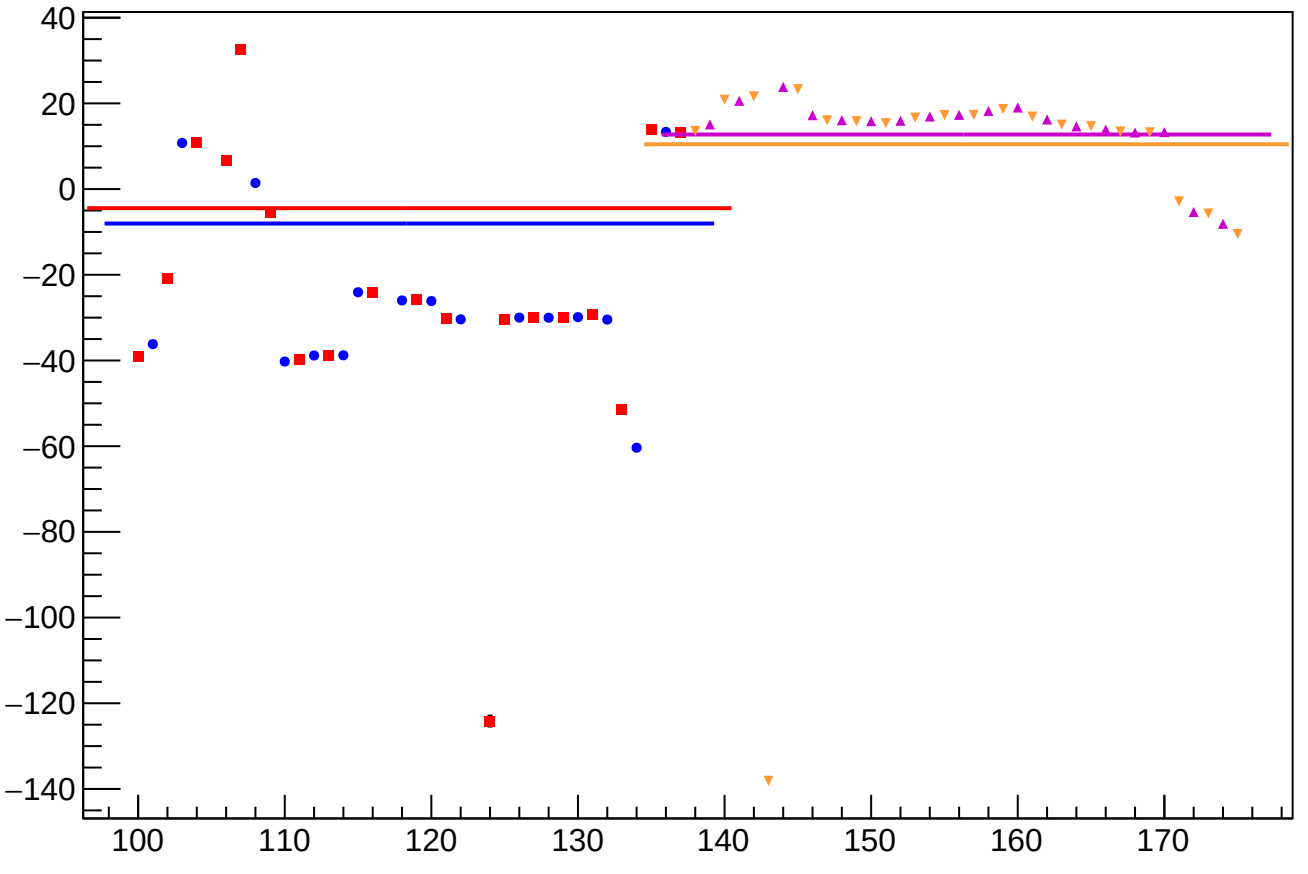
Left: -3.588+/-0.281 χ^2/NDF: 1486.7/37

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -0.589+/-0.367 χ^2/NDF:1873.4/33

Out: 0.931+/-0.355 χ^2/NDF:2421.2/38

All: 0.197+/-0.255 χ^2/NDF: 4303.5/72



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 10.451+/-0.018 χ^2/NDF:740557.5/19

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 12.738+/-0.018 χ^2/NDF:236787.6/17

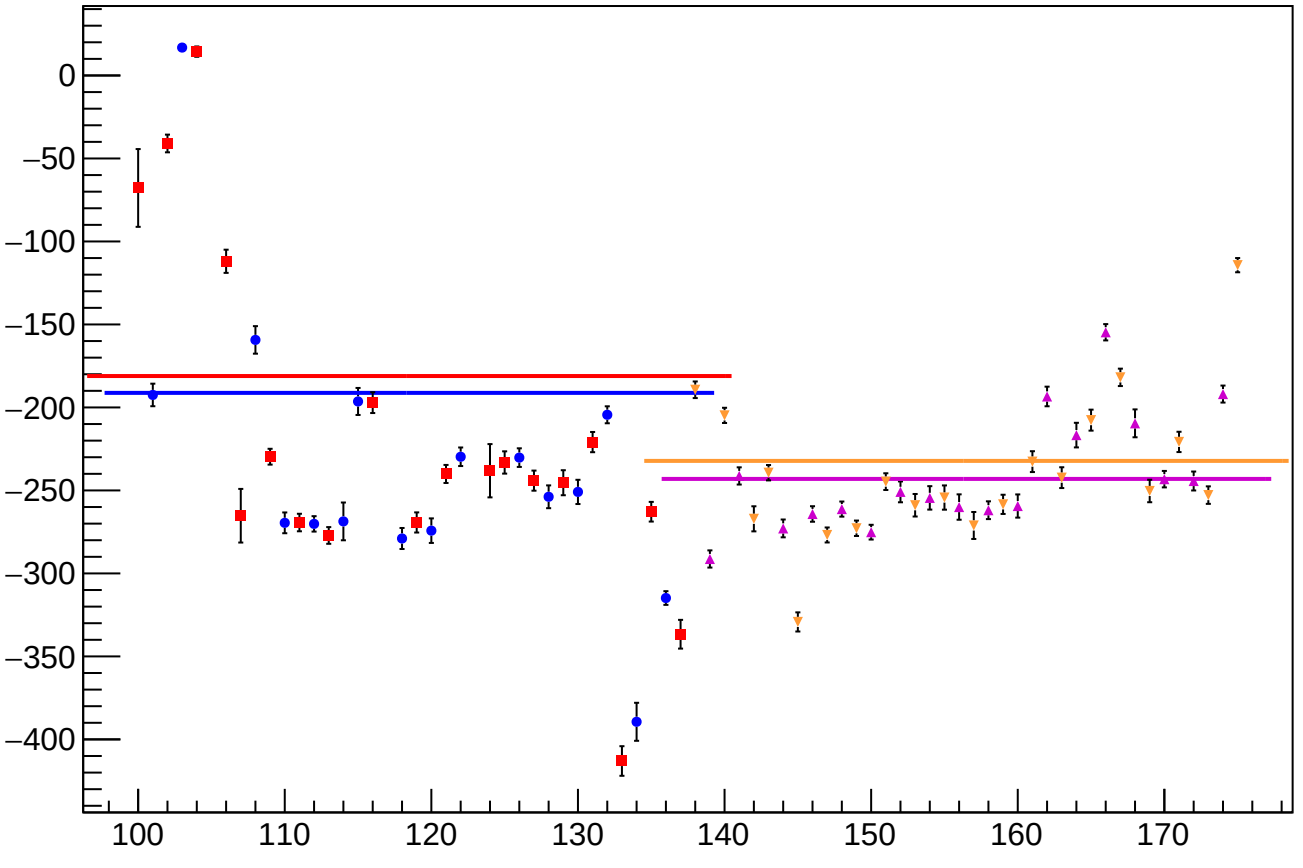
Left: 11.583+/-0.013 χ^2/NDF: 985620.1/37

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 9.997+/-0.017 χ^2/NDF:683075.6/33

Out: 8.587+/-0.017 χ^2/NDF:1057819.4/38

All: 9.288+/-0.012 χ^2/NDF: 1744502.9/72



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -232.207+/-1.237 χ^2/NDF:1557.8/19

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -243.063+/-1.309 χ^2/NDF:755.7/17

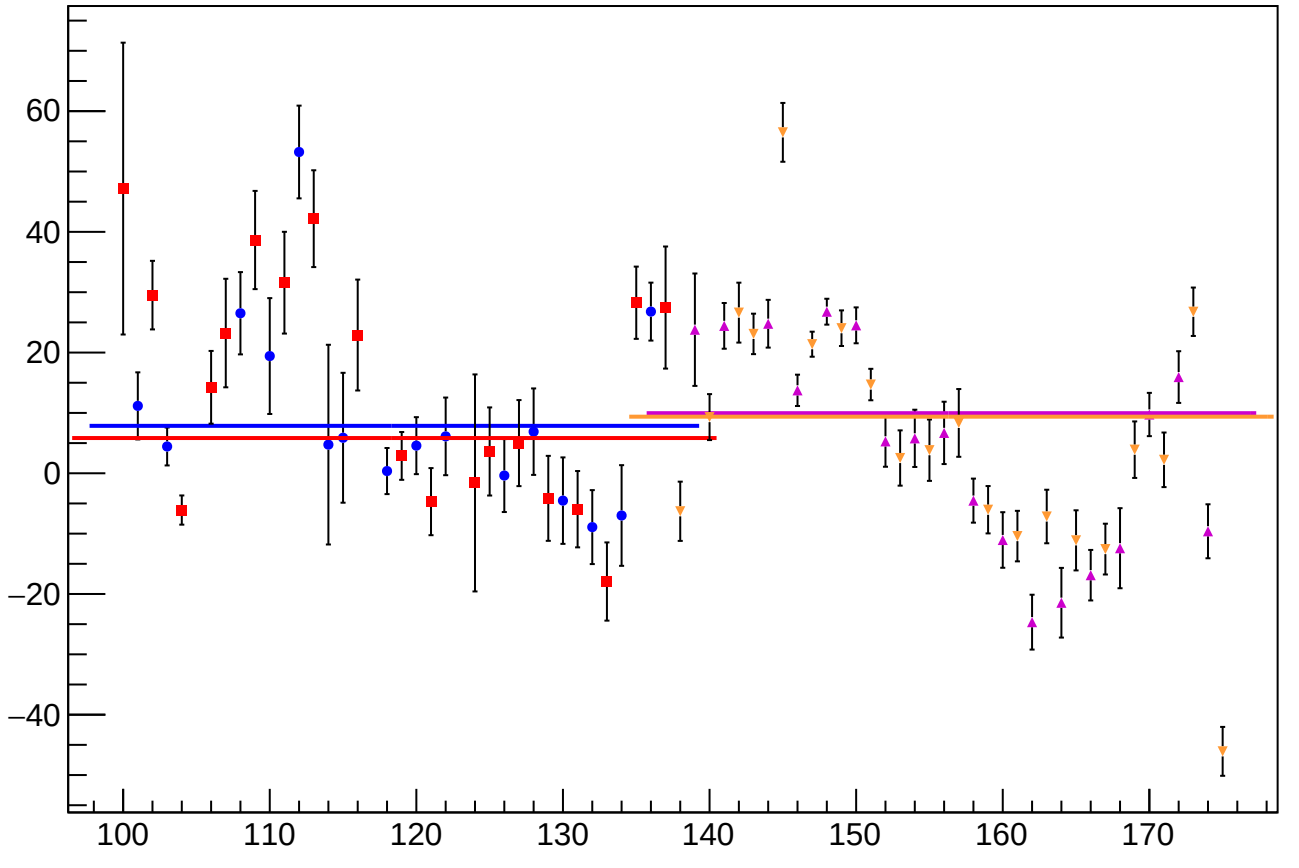
Left: -237.329+/-0.899 χ^2/NDF: 2349.8/37

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -219.224+/-0.962 χ^2/NDF:8701.6/33

Out: -209.472+/-0.922 χ^2/NDF:9691.2/38

All: -214.140+/-0.666 χ^2/NDF: 18446.4/72



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.377+/-0.851 χ^2/NDF:504.1/19

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 9.957+/-0.903 χ^2/NDF:318.6/17

Left: 9.649+/-0.619 χ^2/NDF: 823.0/37

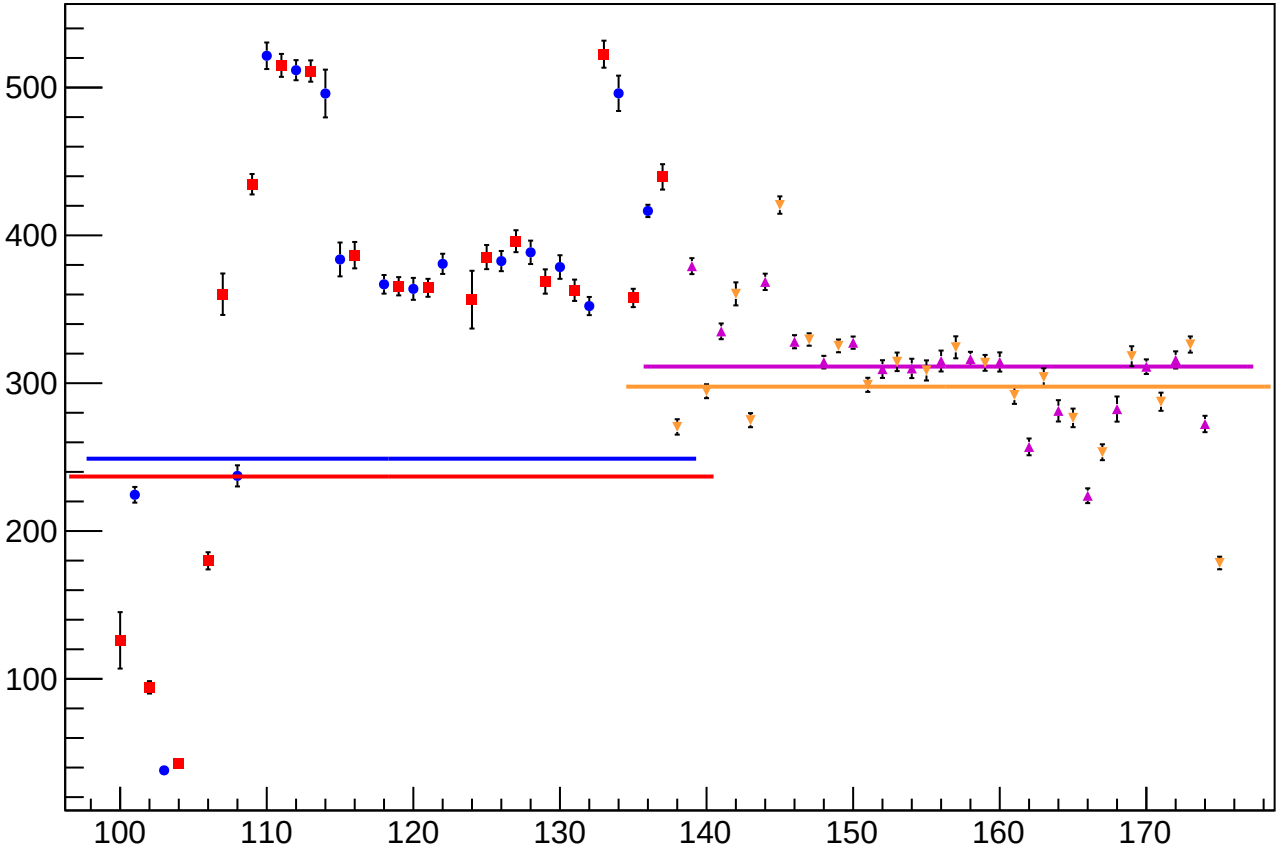
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 9.363+/-0.765 χ^2/NDF:401.1/33

Out: 8.377+/-0.720 χ^2/NDF:650.9/38

All: 8.841+/-0.524 χ^2/NDF: 1052.8/72

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 297.662+/-1.216 χ^2/NDF:1581.2/19

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 311.252+/-1.282 χ^2/NDF:791.4/17

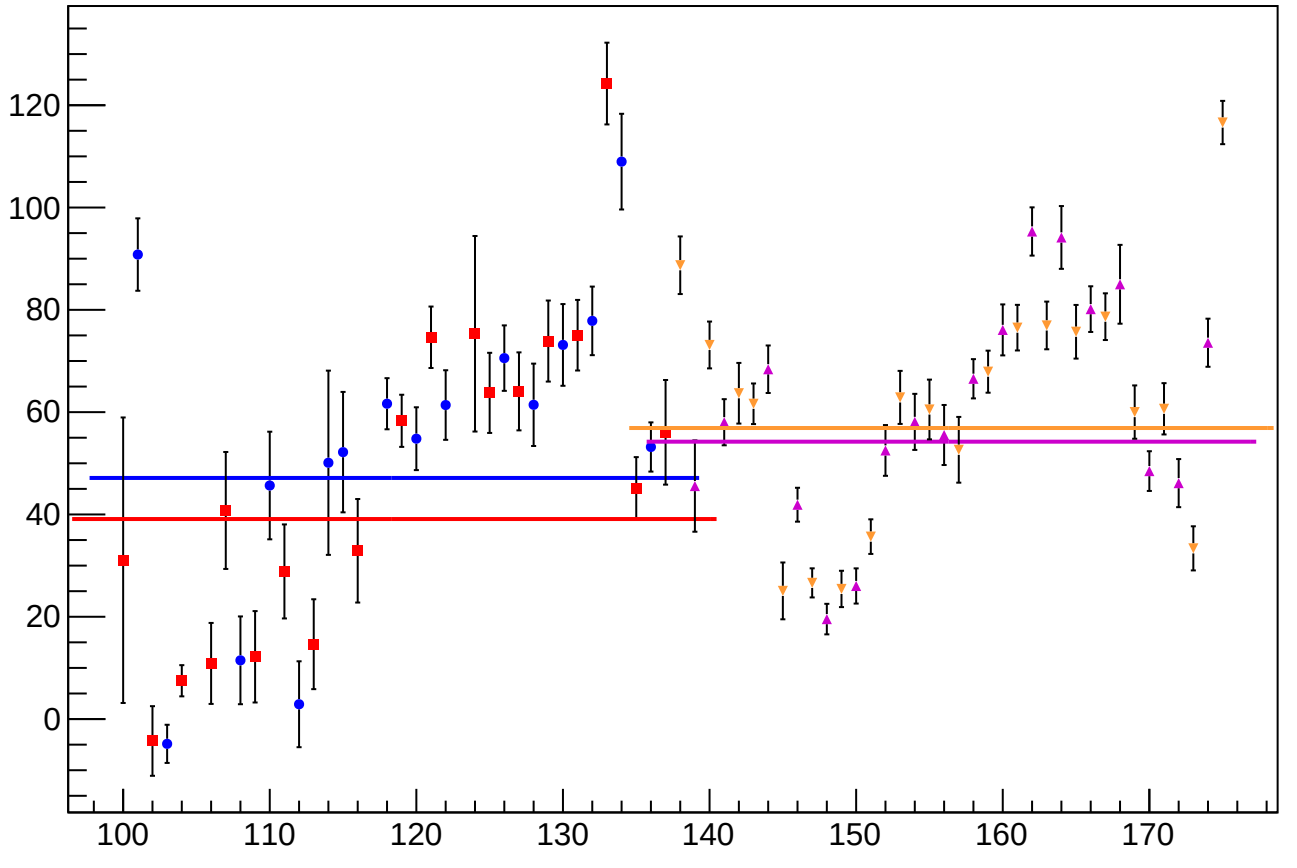
Left: 304.096+/-0.882 χ^2/NDF: 2431.8/37

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 283.297+/-0.952 χ^2/NDF:17153.2/33

Out: 271.665+/-0.920 χ^2/NDF:18307.5/38

All: 277.280+/-0.662 χ^2/NDF: 35537.8/72



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 56.899+/-0.995 χ^2/NDF:623.8/19

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 54.227+/-1.053 χ^2/NDF:447.1/17

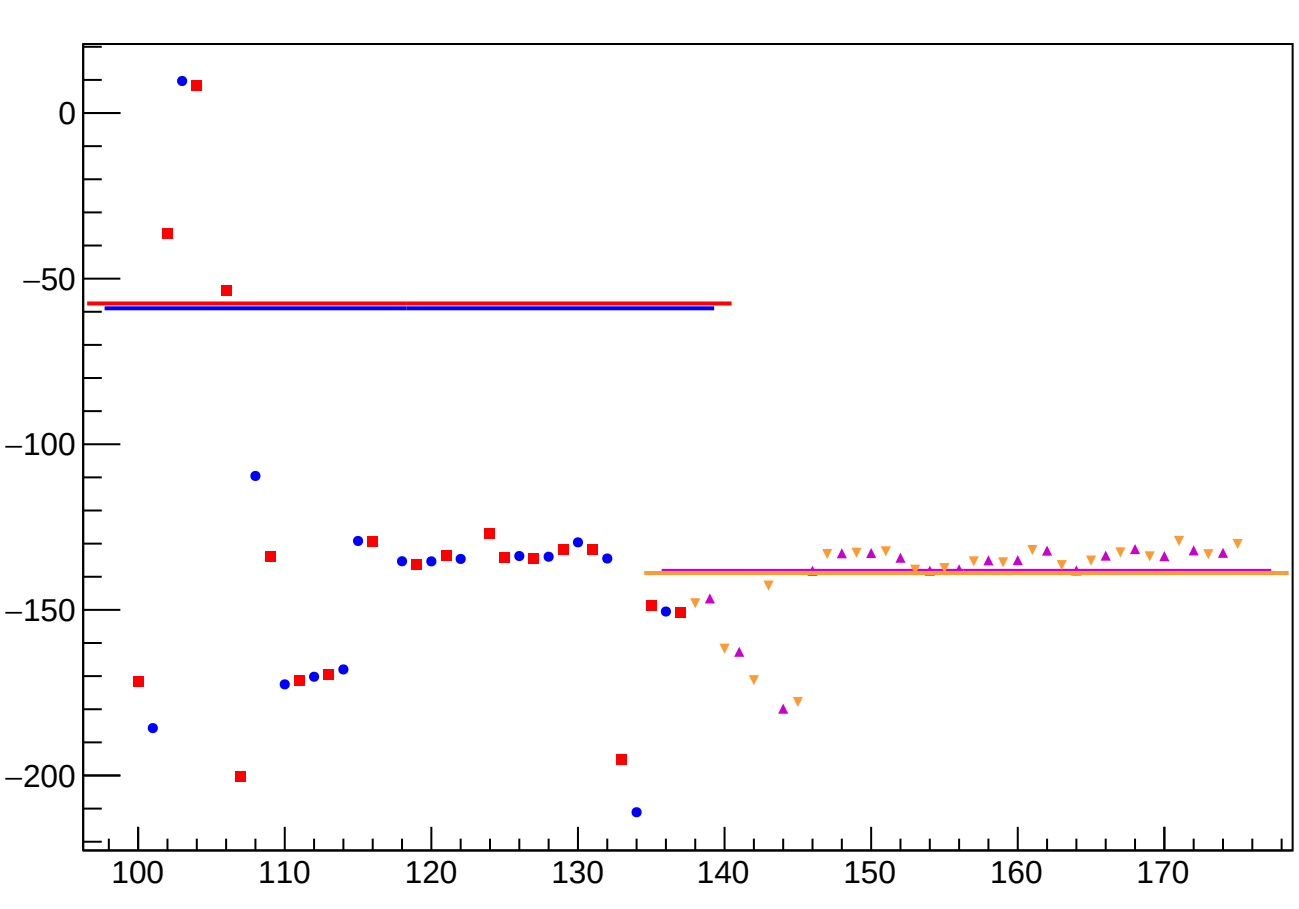
Left: 55.638+/-0.723 χ^2/NDF: 1074.3/37

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 52.207+/-0.890 χ^2/NDF:845.4/33

Out: 51.920+/-0.844 χ^2/NDF:1129.8/38

All: 52.056+/-0.613 χ^2/NDF: 1975.2/72



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.863+/-0.047 χ^2/NDF:63958.9/19

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -138.219+/-0.048 χ^2/NDF:49730.8/17

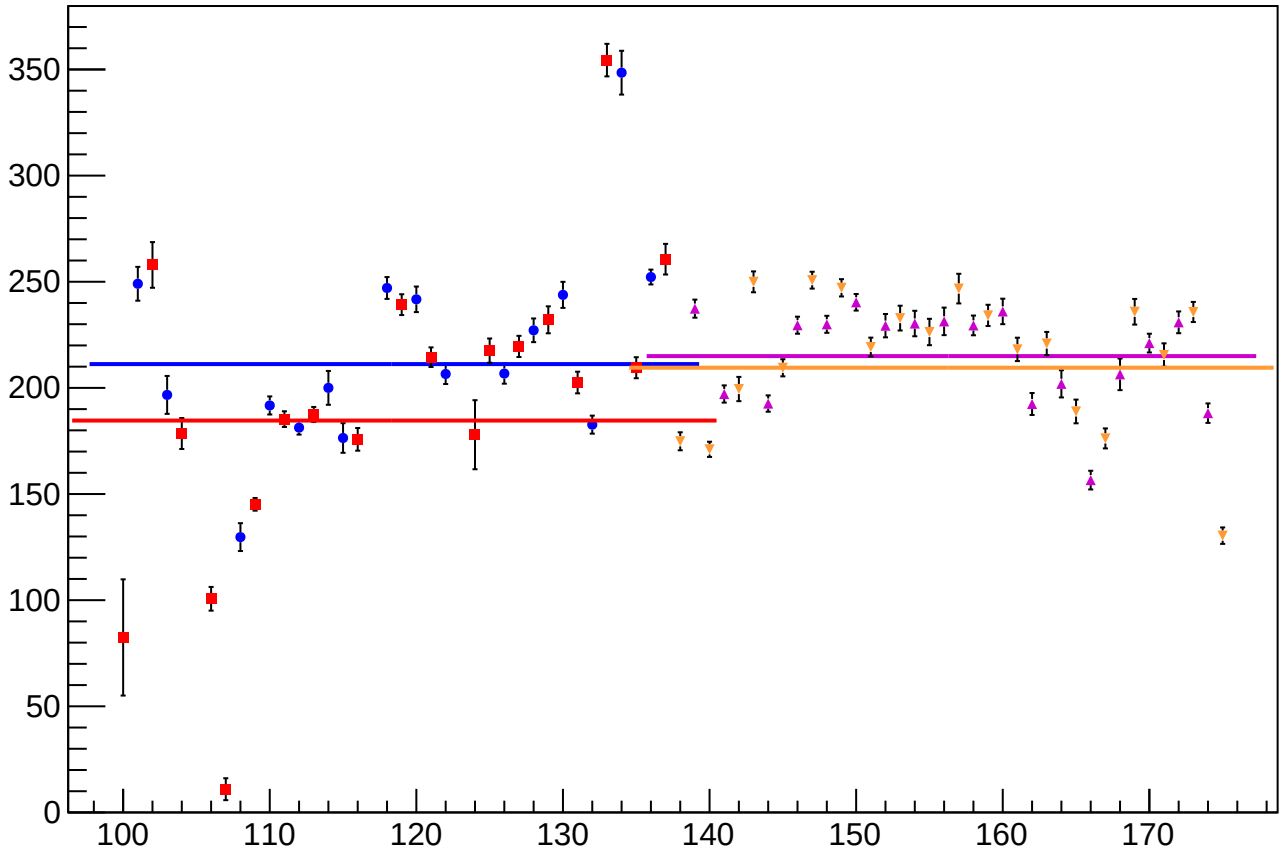
Left: -138.549+/-0.034 χ^2/NDF: 113781.4/37

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -114.011+/-0.040 χ^2/NDF:2104586.7/33

Out: -115.596+/-0.040 χ^2/NDF:1792479.0/38

All: -114.812+/-0.028 χ^2/NDF: 3897853.9/72



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.514+/-1.071 χ^2/NDF:1064.3/19

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 214.976+/-1.118 χ^2/NDF:437.5/17

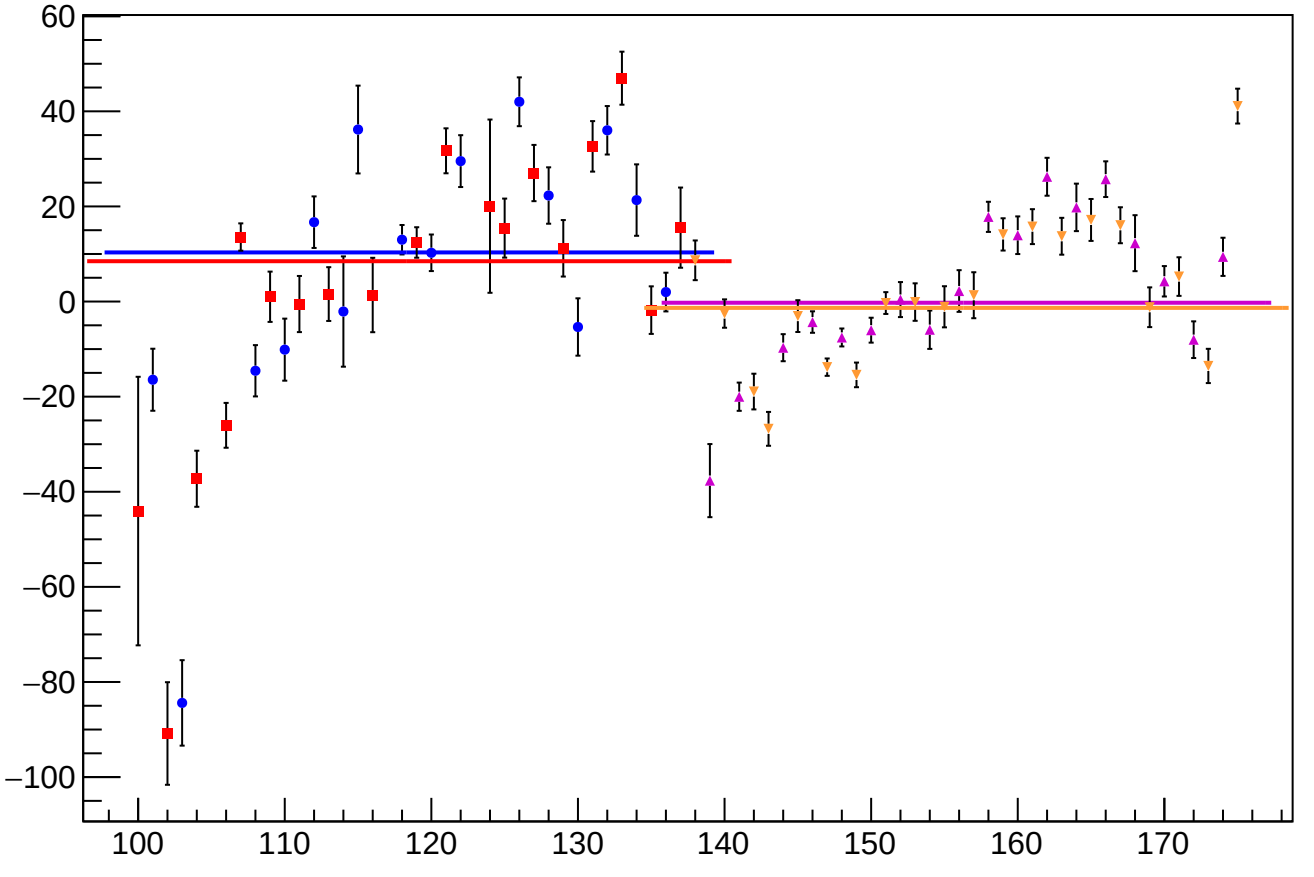
Left: 212.126+/-0.773 χ^2/NDF: 1514.3/37

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.368+/-0.847 χ^2/NDF:1225.3/33

Out: 198.414+/-0.797 χ^2/NDF:3845.8/38

All: 205.441+/-0.580 χ^2/NDF: 5236.5/72



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.334+/-0.740 χ^2/NDF:400.3/19

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -0.254+/-0.777 χ^2/NDF:274.3/17

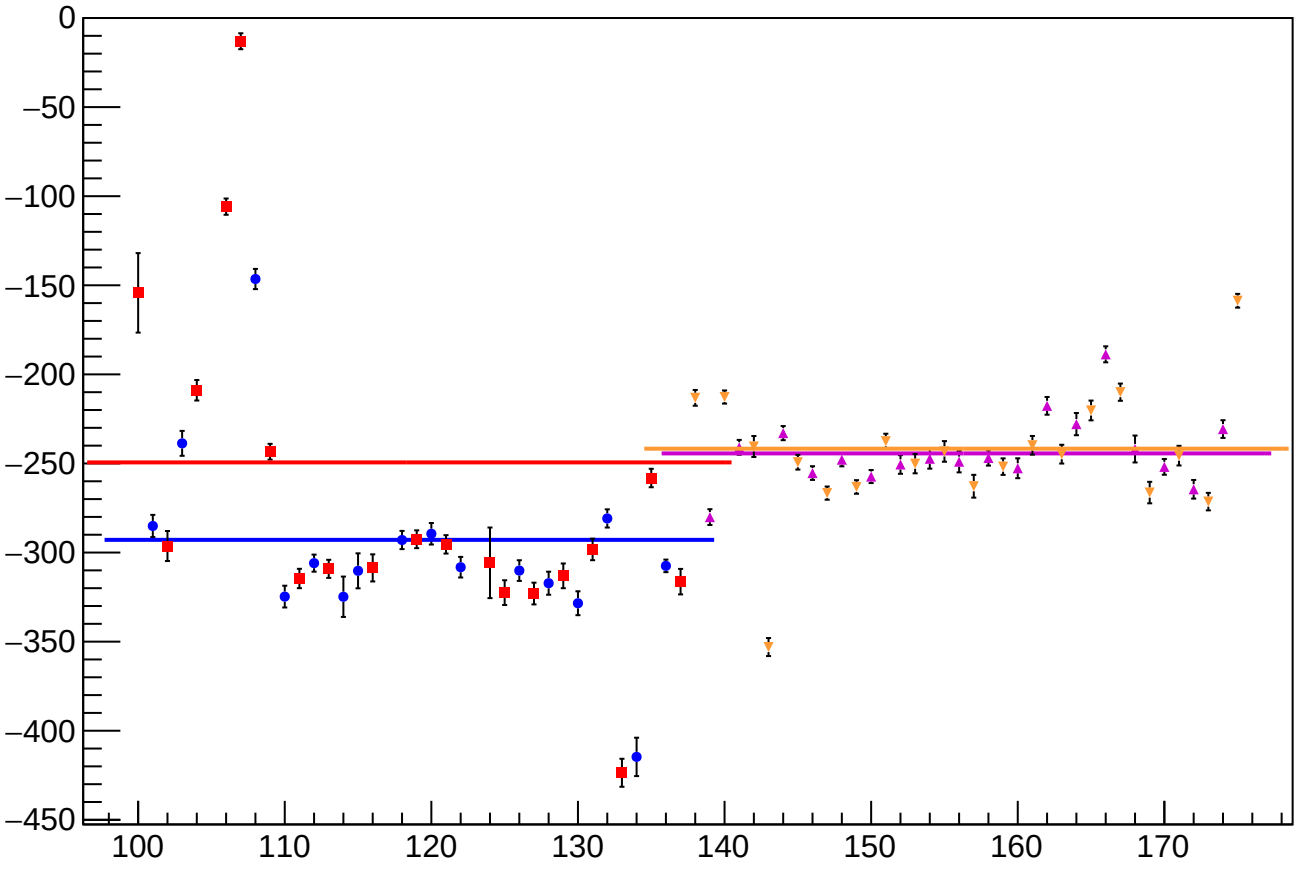
Left: -0.820+/-0.536 χ^2/NDF: 675.7/37

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.430+/-0.671 χ^2/NDF:584.7/33

Out: 1.289+/-0.633 χ^2/NDF:769.7/38

All: 1.826+/-0.461 χ^2/NDF: 1355.9/72



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.704+/-1.054 χ^2/NDF:1260.7/19

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -244.352+/-1.097 χ^2/NDF:314.9/17

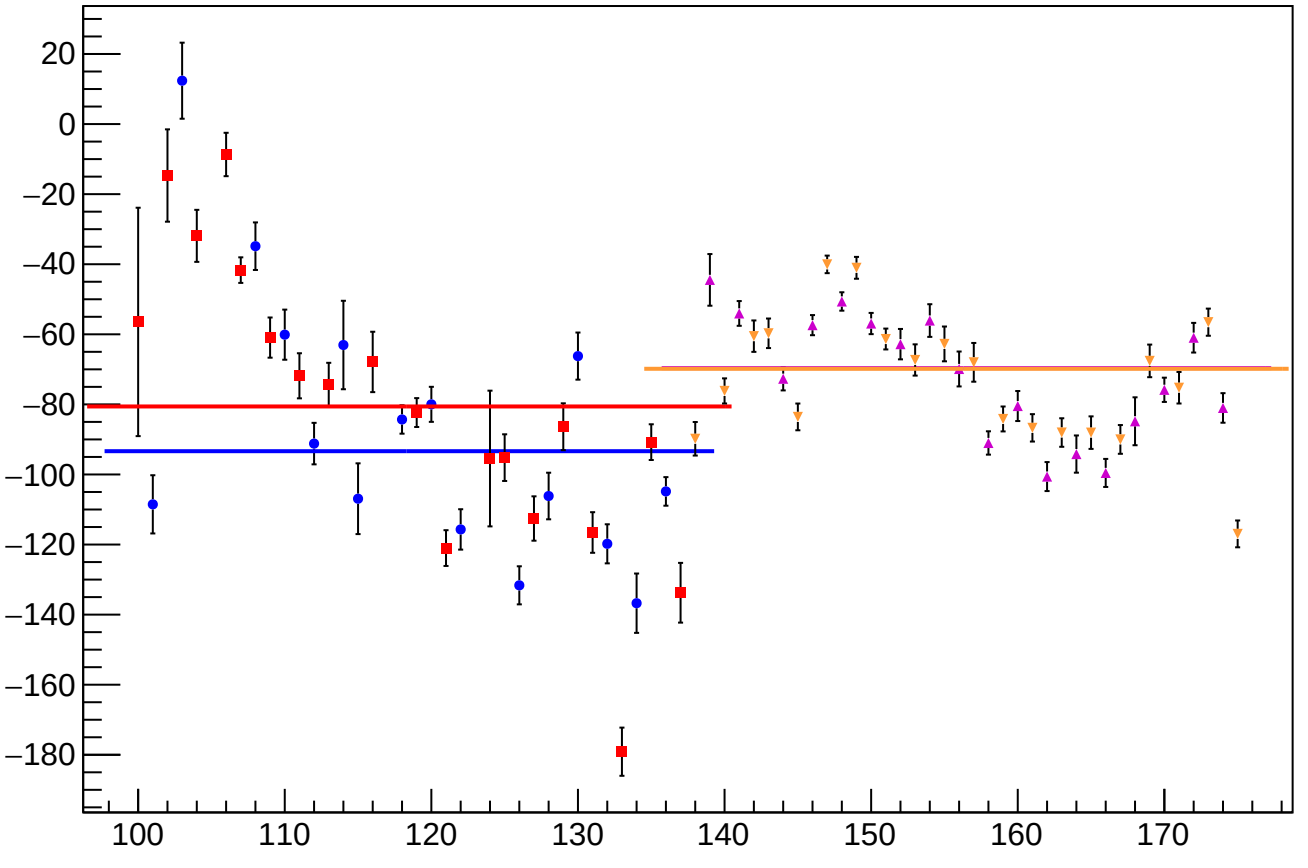
Left: -242.974+/-0.760 χ^2/NDF: 1578.6/37

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -261.754+/-0.879 χ^2/NDF:1999.5/33

Out: -244.570+/-0.835 χ^2/NDF:6649.0/38

All: -252.722+/-0.605 χ^2/NDF: 8849.4/72



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -69.840+/-0.865 χ^2/NDF:540.2/19

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -69.651+/-0.905 χ^2/NDF:331.6/17

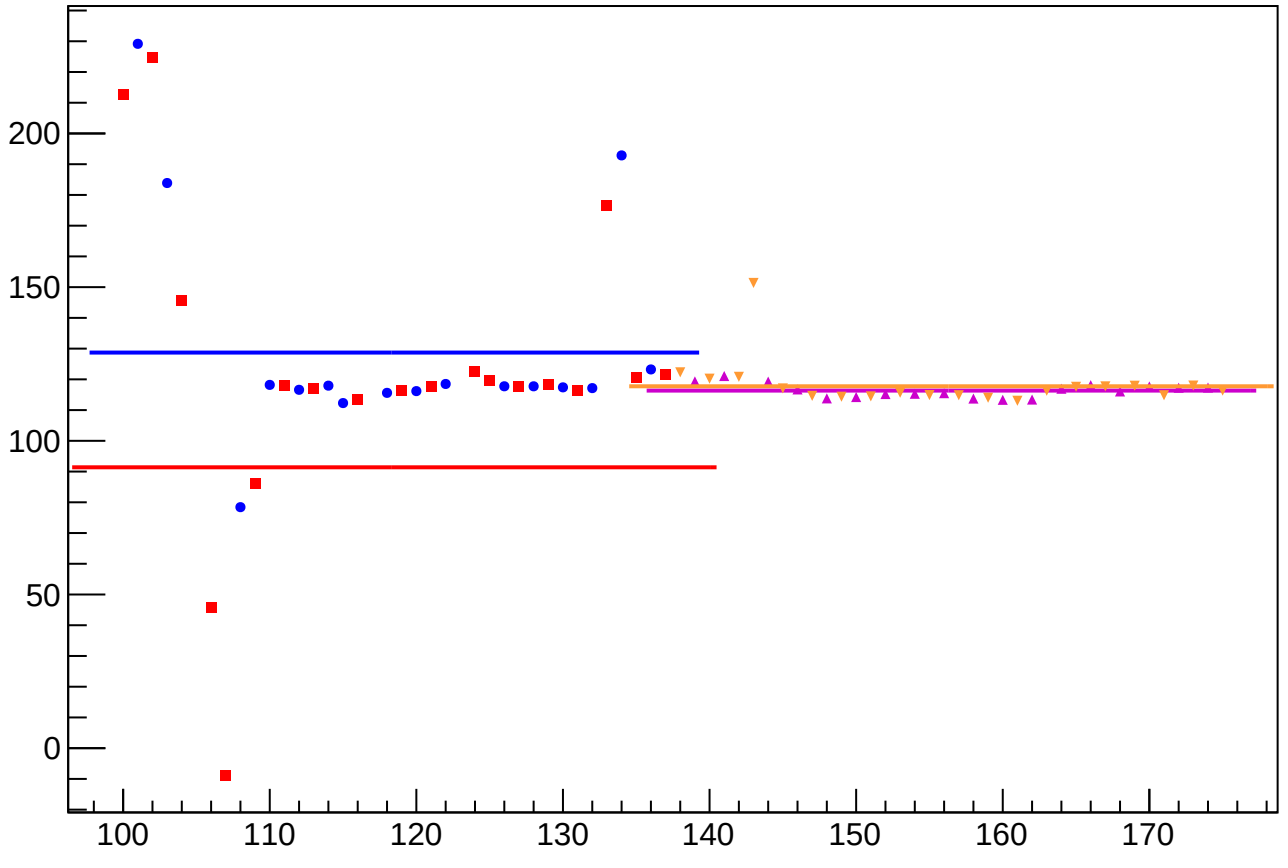
Left: -69.750+/-0.625 χ^2/NDF: 871.8/37

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -75.769+/-0.779 χ^2/NDF:864.0/33

Out: -72.739+/-0.739 χ^2/NDF:1297.2/38

All: -74.174+/-0.536 χ^2/NDF: 2169.2/72



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.745+/-0.041 χ^2/NDF:29745.4/19

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.345+/-0.041 χ^2/NDF:2988.7/17

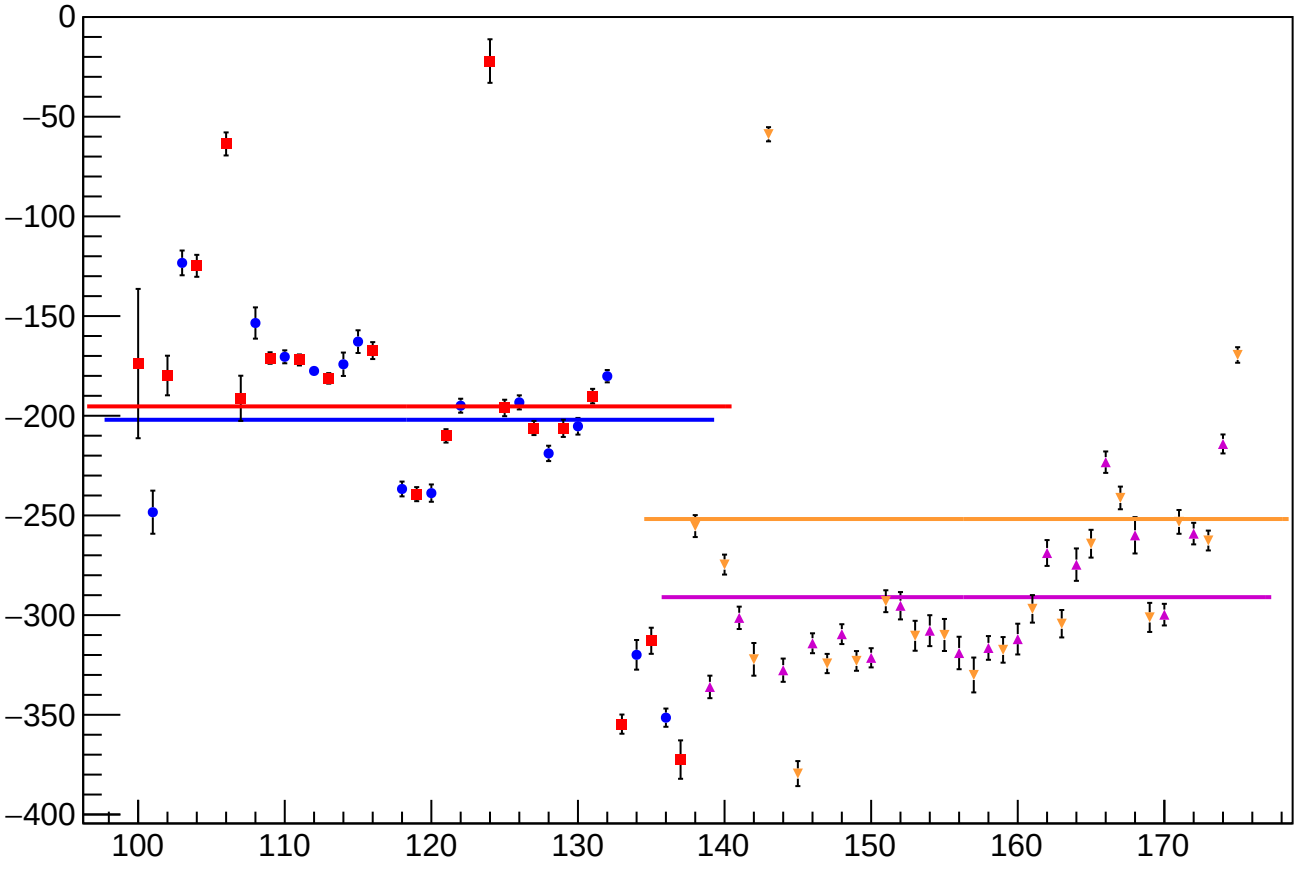
Left: 117.056+/-0.029 χ^2/NDF: 33315.6/37

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.539+/-0.038 χ^2/NDF:202355.5/33

Out: 112.213+/-0.036 χ^2/NDF:722496.6/38

All: 115.263+/-0.026 χ^2/NDF: 939558.9/72



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -251.799+/-1.264 χ^2/NDF:4839.5/19

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -290.989+/-1.397 χ^2/NDF:708.3/17

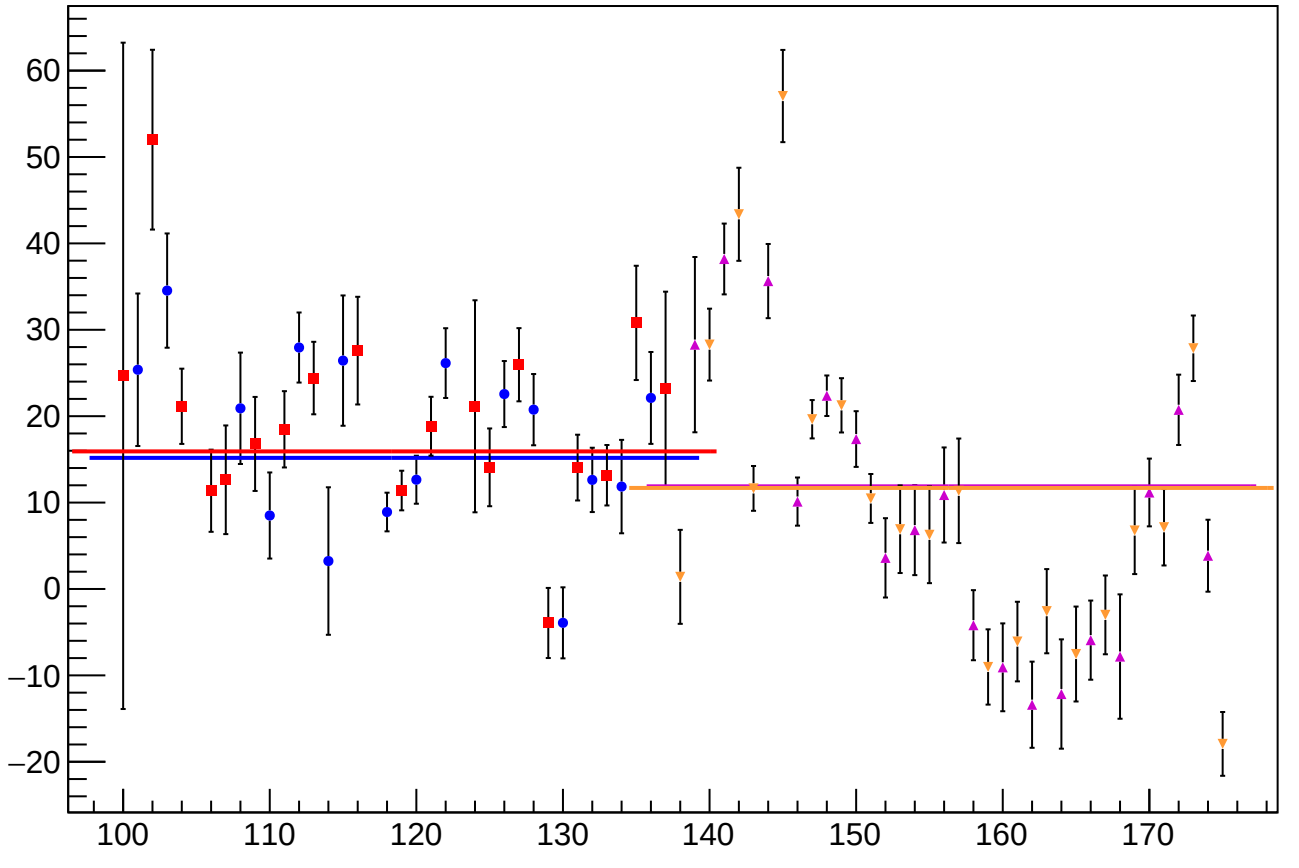
Left: -269.431+/-0.937 χ^2/NDF: 5980.4/37

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -233.105+/-0.826 χ^2/NDF:5385.8/33

Out: -216.362+/-0.772 χ^2/NDF:9193.5/38

All: -224.163+/-0.564 χ^2/NDF: 14798.7/72



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 11.695+/-0.879 χ^2/NDF:303.7/19

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 11.881+/-0.970 χ^2/NDF:205.9/17

Left: 11.779+/-0.652 χ^2/NDF: 509.6/37

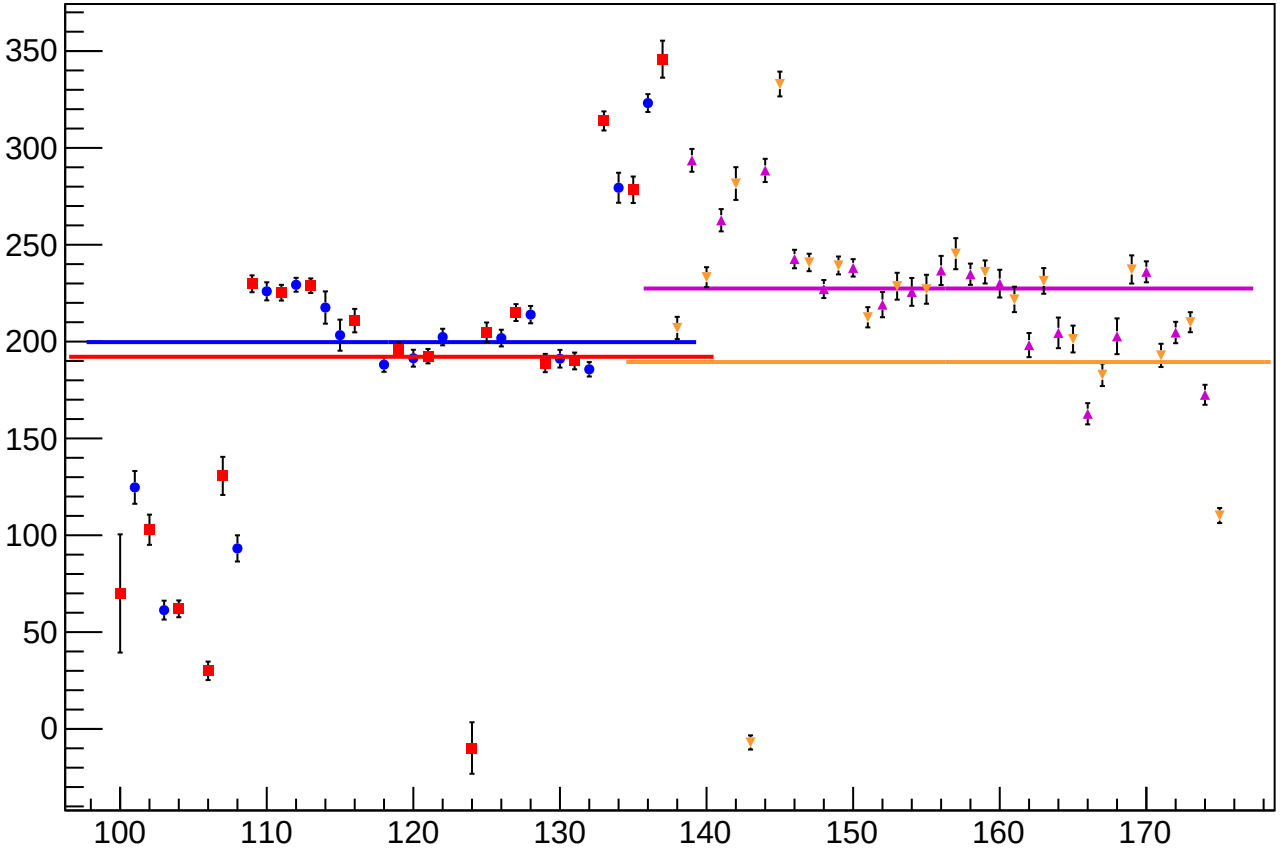
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.402+/-0.712 χ^2/NDF:283.5/33

Out: 13.464+/-0.671 χ^2/NDF:376.9/38

All: 13.435+/-0.488 χ^2/NDF: 660.4/72

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 189.448+/-1.247 χ^2/NDF:4560.0/19

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 227.403+/-1.373 χ^2/NDF:597.4/17

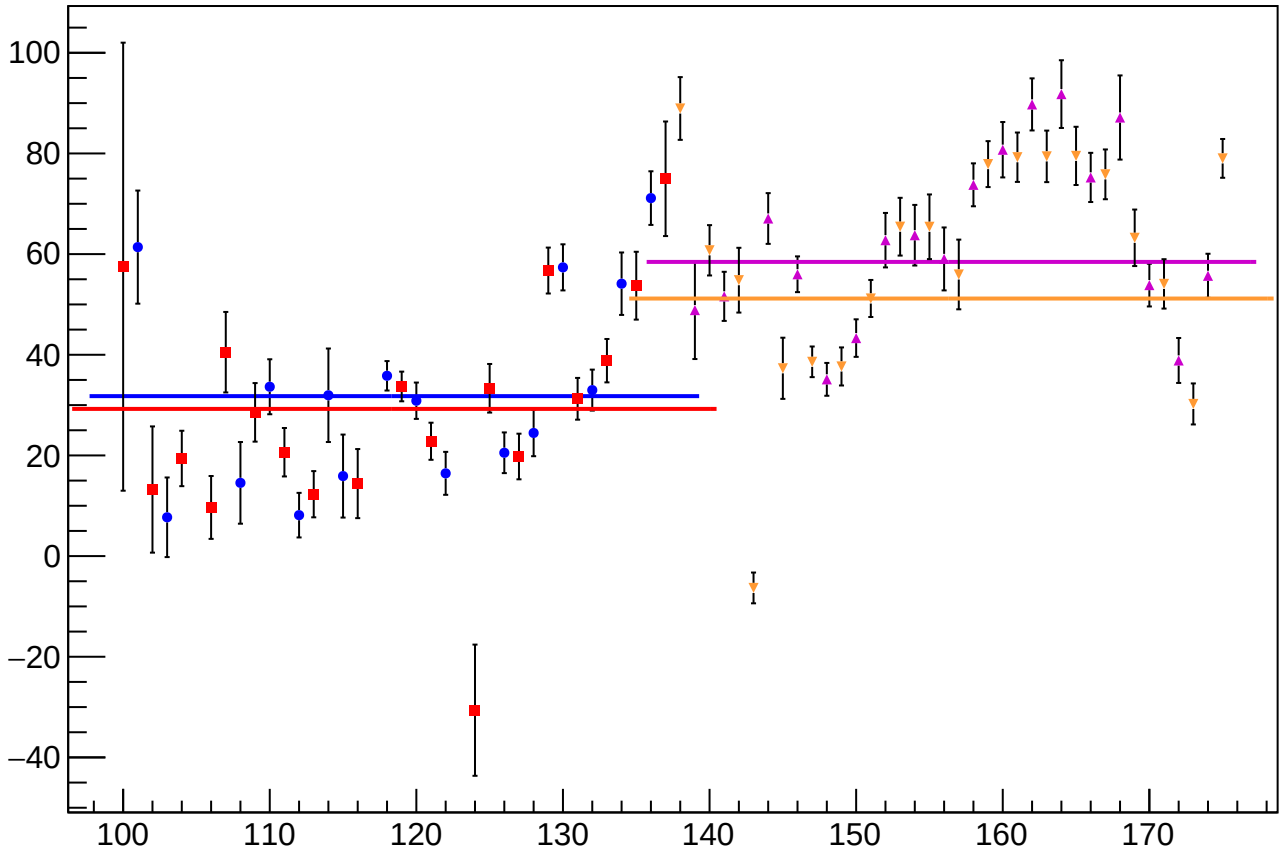
Left: 206.609+/-0.923 χ^2/NDF: 5576.2/37

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 211.661+/-0.902 χ^2/NDF:2930.2/33

Out: 190.911+/-0.846 χ^2/NDF:8339.7/38

All: 200.621+/-0.617 χ^2/NDF: 11551.7/72



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.173+/-1.026 χ^2/NDF:670.6/19

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.450+/-1.128 χ^2/NDF:210.2/17

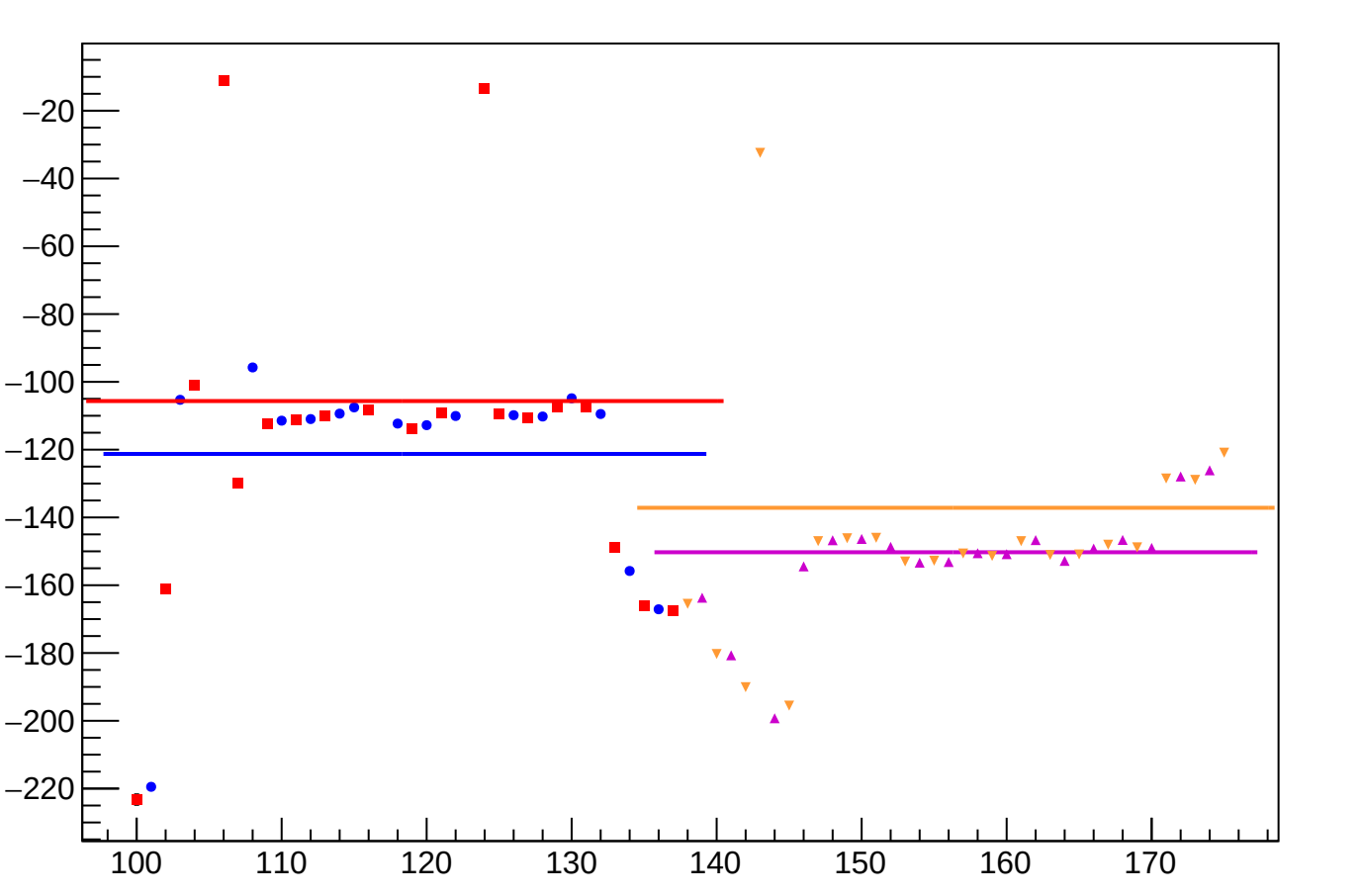
Left: 54.467+/-0.759 χ^2/NDF: 903.6/37

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 46.120+/-0.827 χ^2/NDF:645.5/33

Out: 41.883+/-0.779 χ^2/NDF:1005.1/38

All: 43.874+/-0.567 χ^2/NDF: 1664.5/72



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -137.153+/-0.049 χ^2/NDF:648392.4/19

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -150.274+/-0.051 χ^2/NDF:87659.9/17

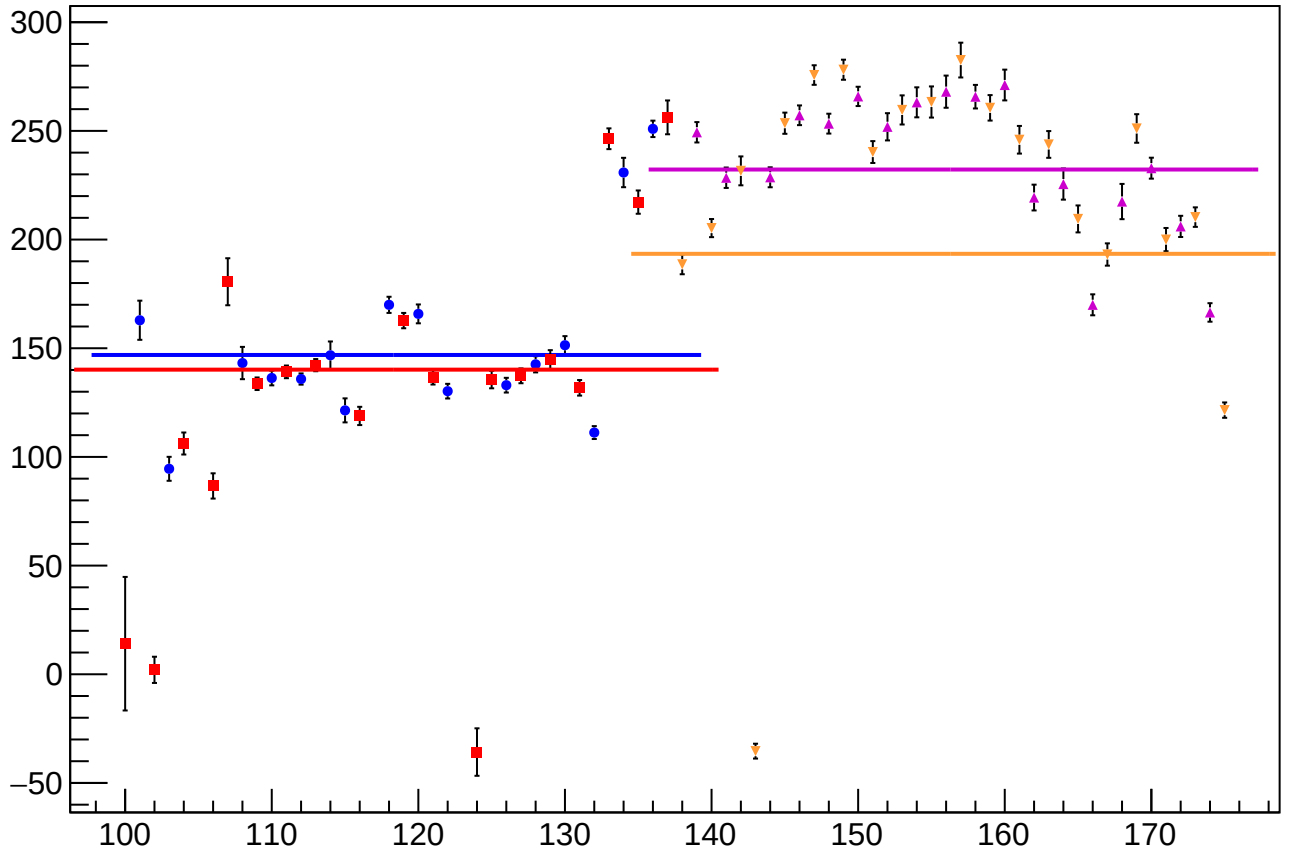
Left: -143.329+/-0.035 χ^2/NDF: 770493.1/37

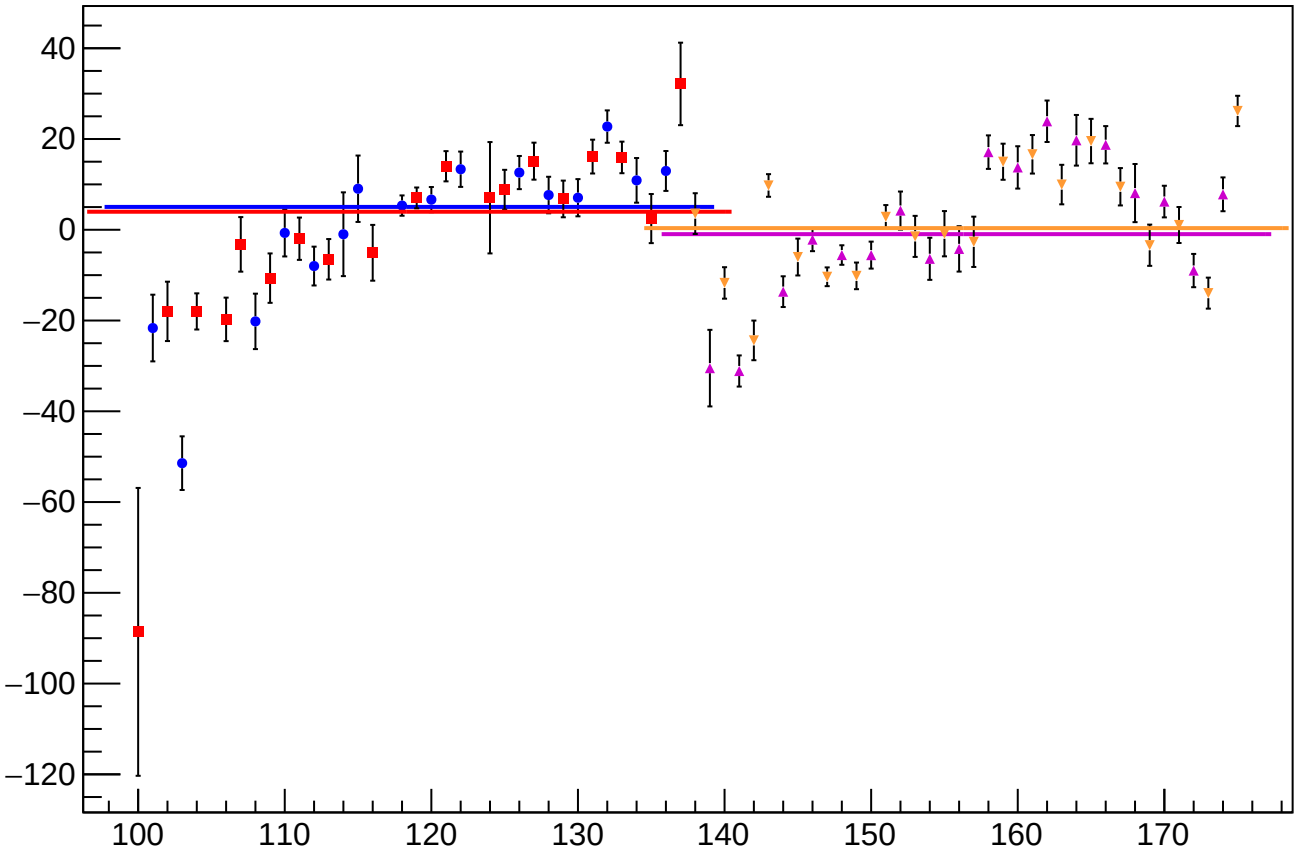
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -141.672+/-0.043 χ^2/NDF:301355.2/33

Out: -127.813+/-0.041 χ^2/NDF:1128495.6/38

All: -134.336+/-0.030 χ^2/NDF: 1484470.2/72


reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 146.905+/-1.003 χ²/NDF: 1302.0/15
Left Out: 193.440+/-1.131 χ²/NDF:6527.9/19
Right Out: 140.153+/-0.960 χ²/NDF: 1950.6/18
Left In: 232.225+/-1.240 χ²/NDF:687.9/17
Left: 211.061+/-0.836 χ²/NDF: 7749.8/37
Right: 143.381+/-0.694 χ²/NDF: 3276.2/34
In: 180.668+/-0.780 χ²/NDF:4851.6/33
Out: 162.462+/-0.732 χ²/NDF:9768.3/38
All: 170.988+/-0.534 χ²/NDF: 14909.6/72



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.363+/-0.794 χ^2/NDF:233.9/19

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -0.965+/-0.869 χ^2/NDF:230.7/17

Left: -0.241+/-0.586 χ^2/NDF: 465.9/37

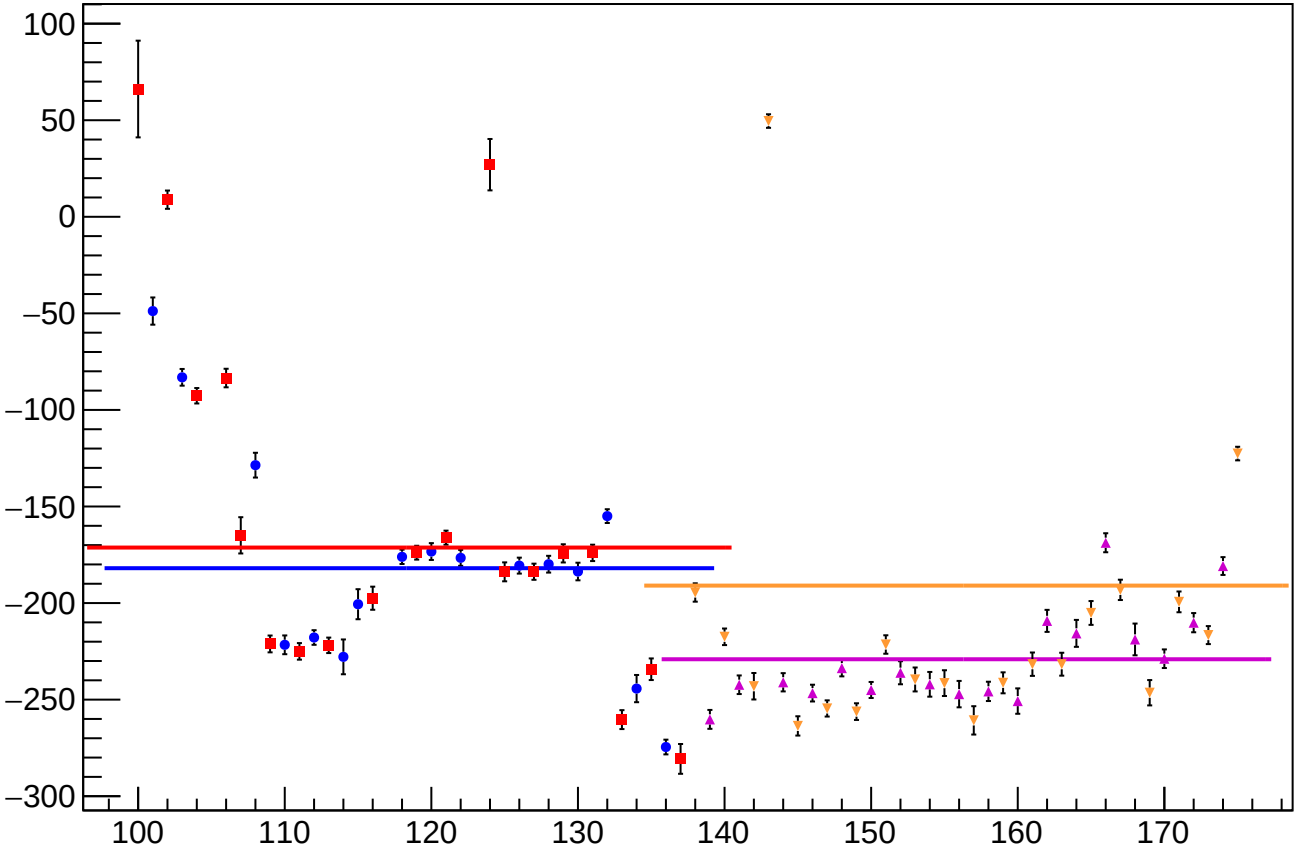
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.557+/-0.662 χ^2/NDF:422.6/33

Out: 1.739+/-0.625 χ^2/NDF:386.7/38

All: 1.654+/-0.454 χ^2/NDF: 809.3/72

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -190.958+/-1.119 χ^2/NDF:6360.2/19

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -229.093+/-1.221 χ^2/NDF:412.7/17

Left: -208.359+/-0.825 χ^2/NDF: 7303.1/37

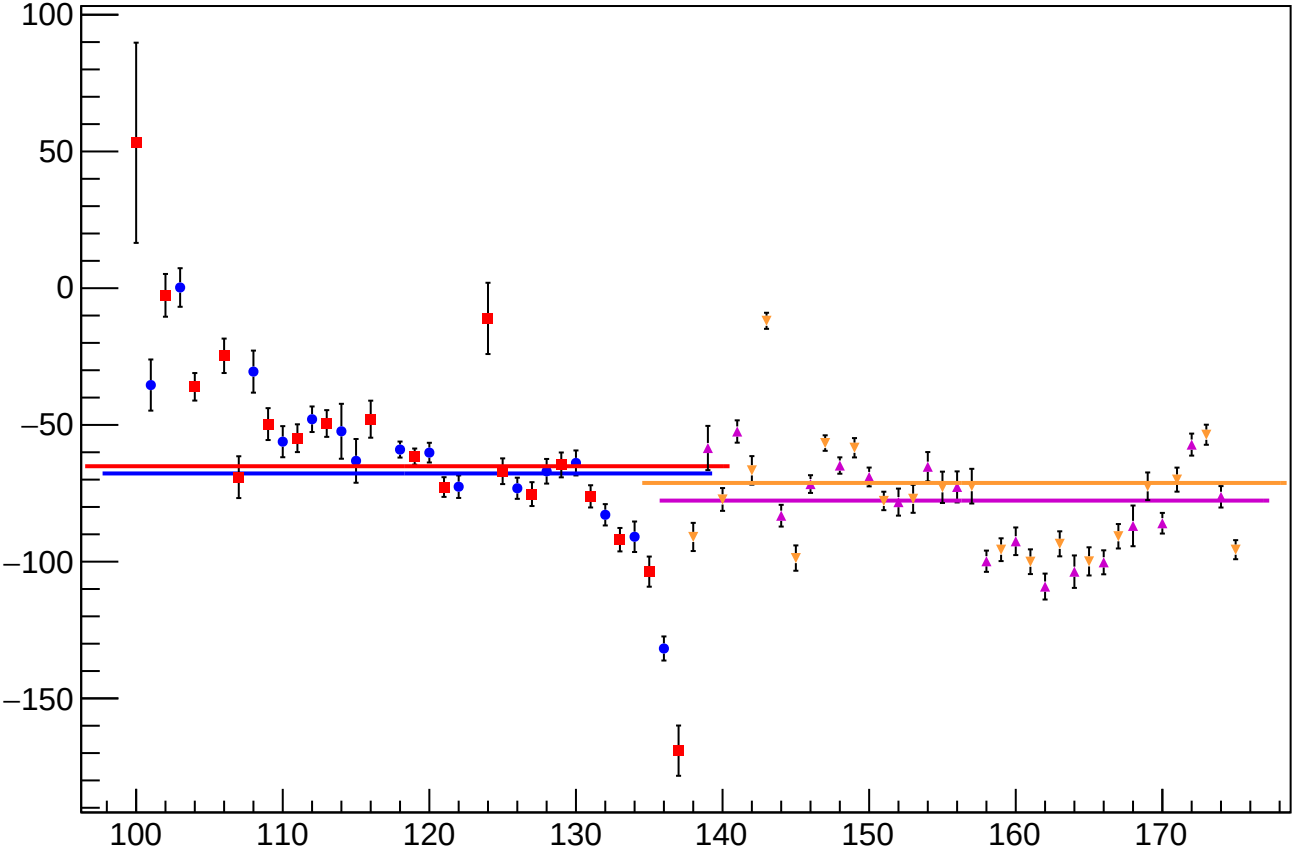
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.187+/-0.839 χ^2/NDF:3070.6/33

Out: -181.043+/-0.788 χ^2/NDF:10144.4/38

All: -191.899+/-0.574 χ^2/NDF: 13619.2/72

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.215+/-0.925 χ^2/NDF:725.3/19

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -77.670+/-1.009 χ^2/NDF:243.3/17

Left: -74.161+/-0.682 χ^2/NDF: 990.8/37

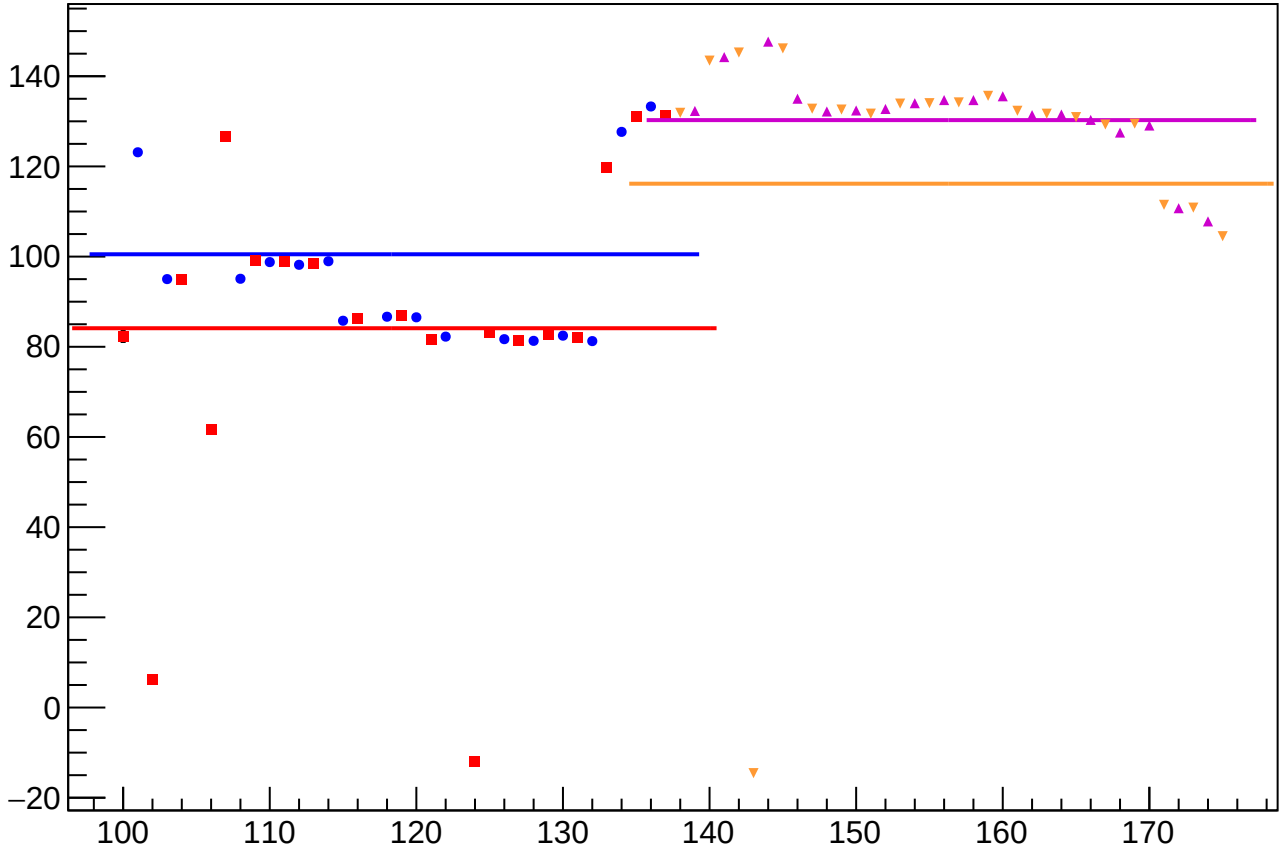
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.482+/-0.767 χ^2/NDF:698.1/33

Out: -68.858+/-0.725 χ^2/NDF:1171.2/38

All: -71.038+/-0.527 χ^2/NDF: 1888.6/72

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.167+/-0.044 χ^2/NDF:945259.0/19

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 130.268+/-0.046 χ^2/NDF:47389.7/17

Left: 122.850+/-0.032 χ^2/NDF: 1042429.4/37

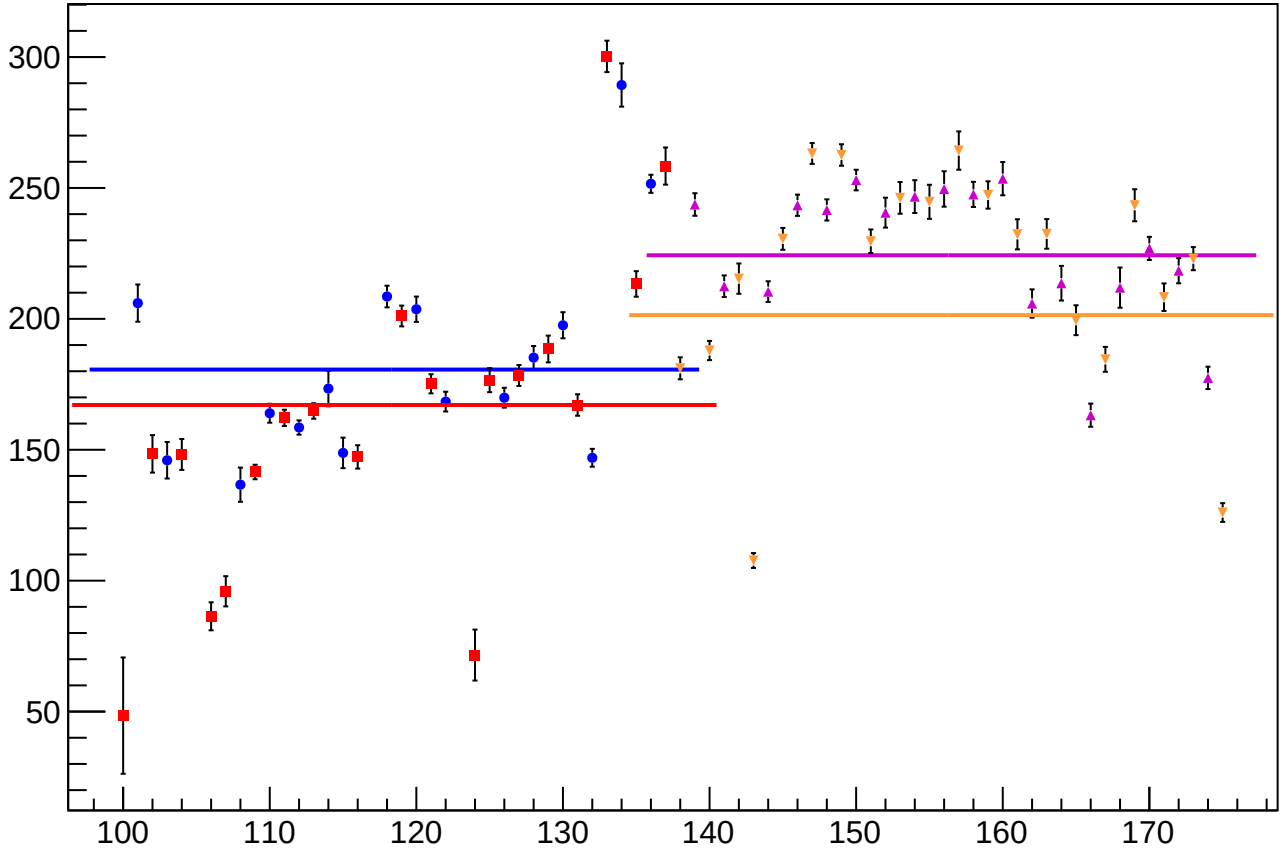
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 122.012+/-0.039 χ^2/NDF:231748.7/33

Out: 107.087+/-0.037 χ^2/NDF:1362767.8/38

All: 114.131+/-0.027 χ^2/NDF: 1671995.3/72

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

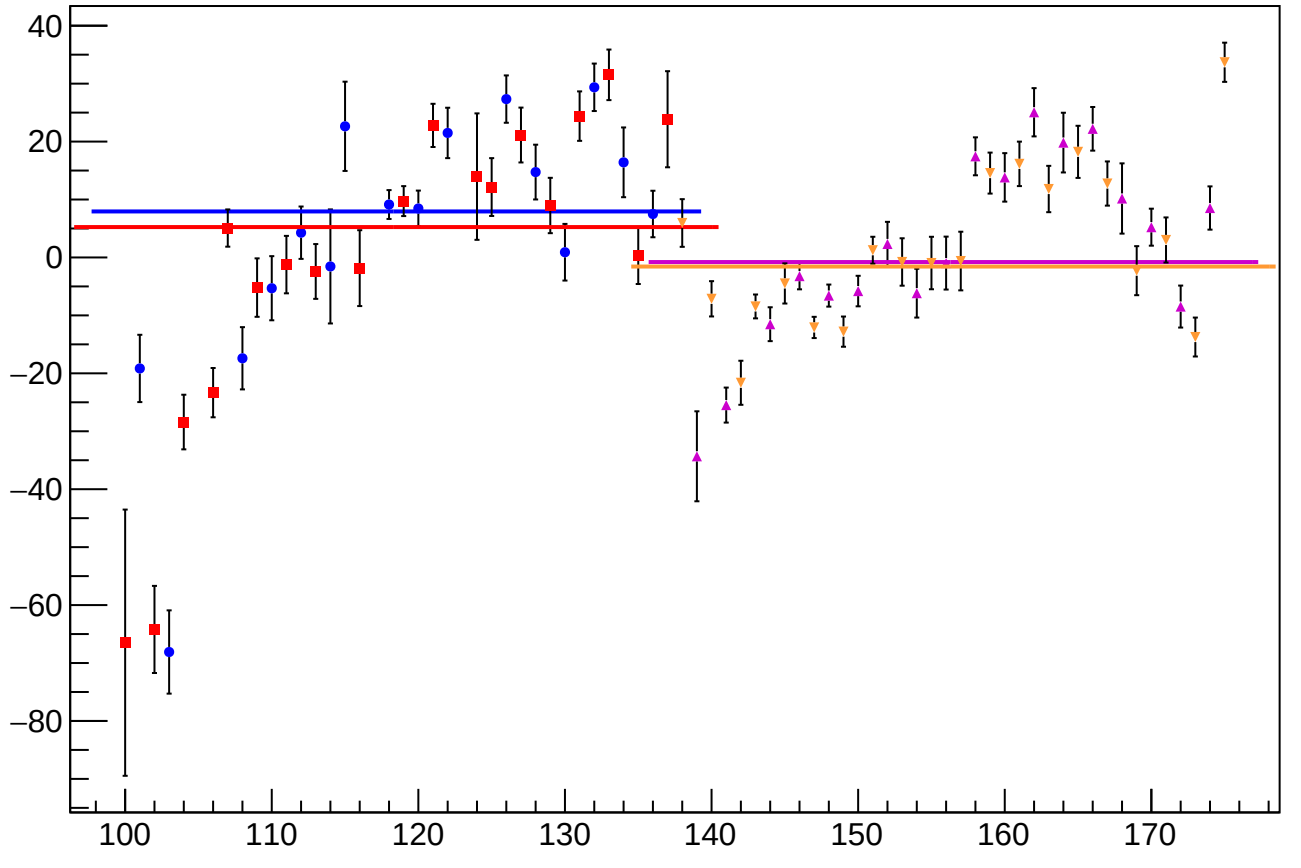
Left: 211.767+/-0.760 χ^2/NDF: 3286.8/37

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.665+/-0.784 χ^2/NDF:2310.5/33

Out: 184.164+/-0.724 χ^2/NDF:4565.4/38

All: 192.213+/-0.532 χ^2/NDF: 7144.7/72



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

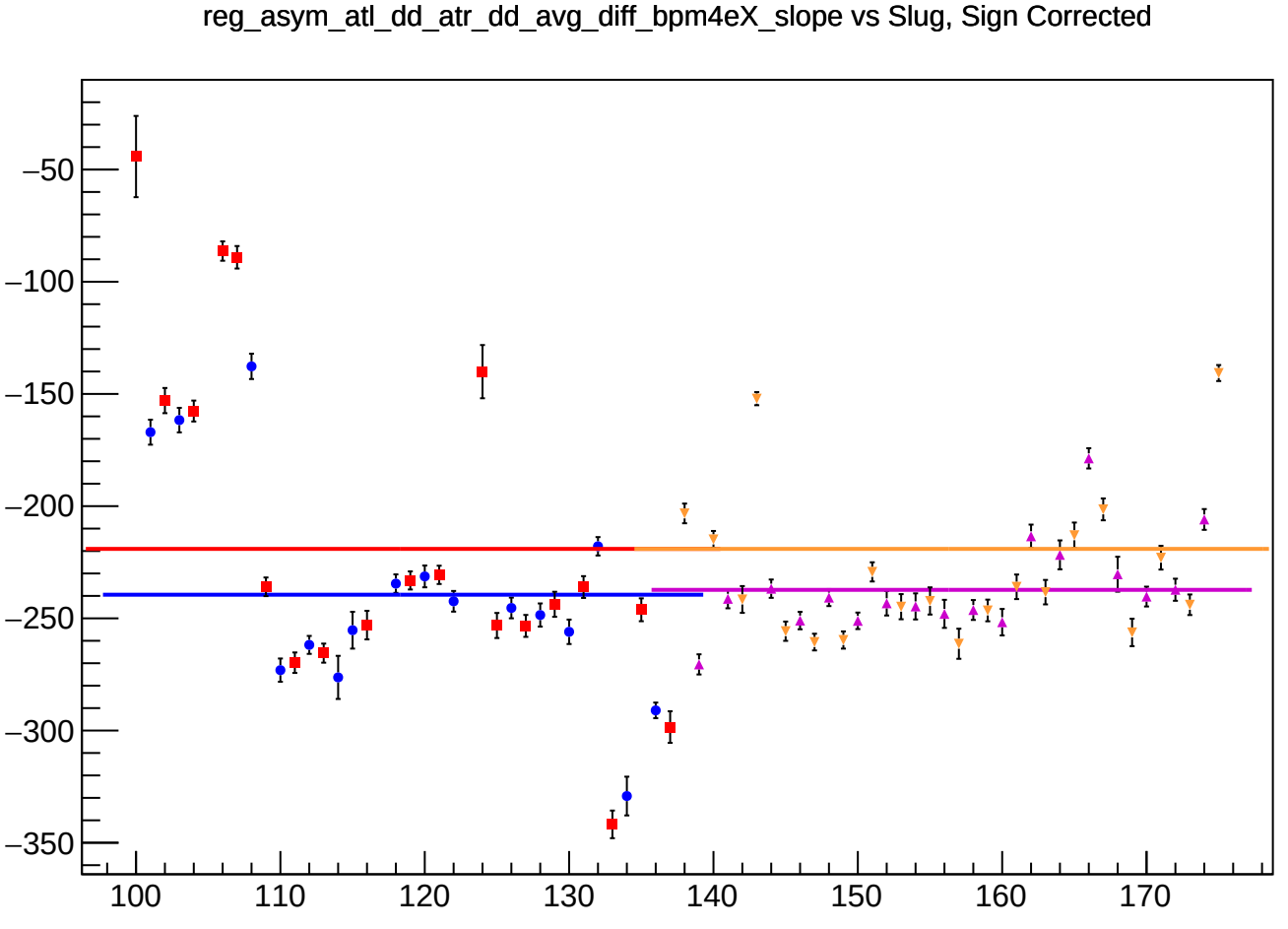
Left: -1.218+/-0.529 χ^2/NDF: 577.7/37

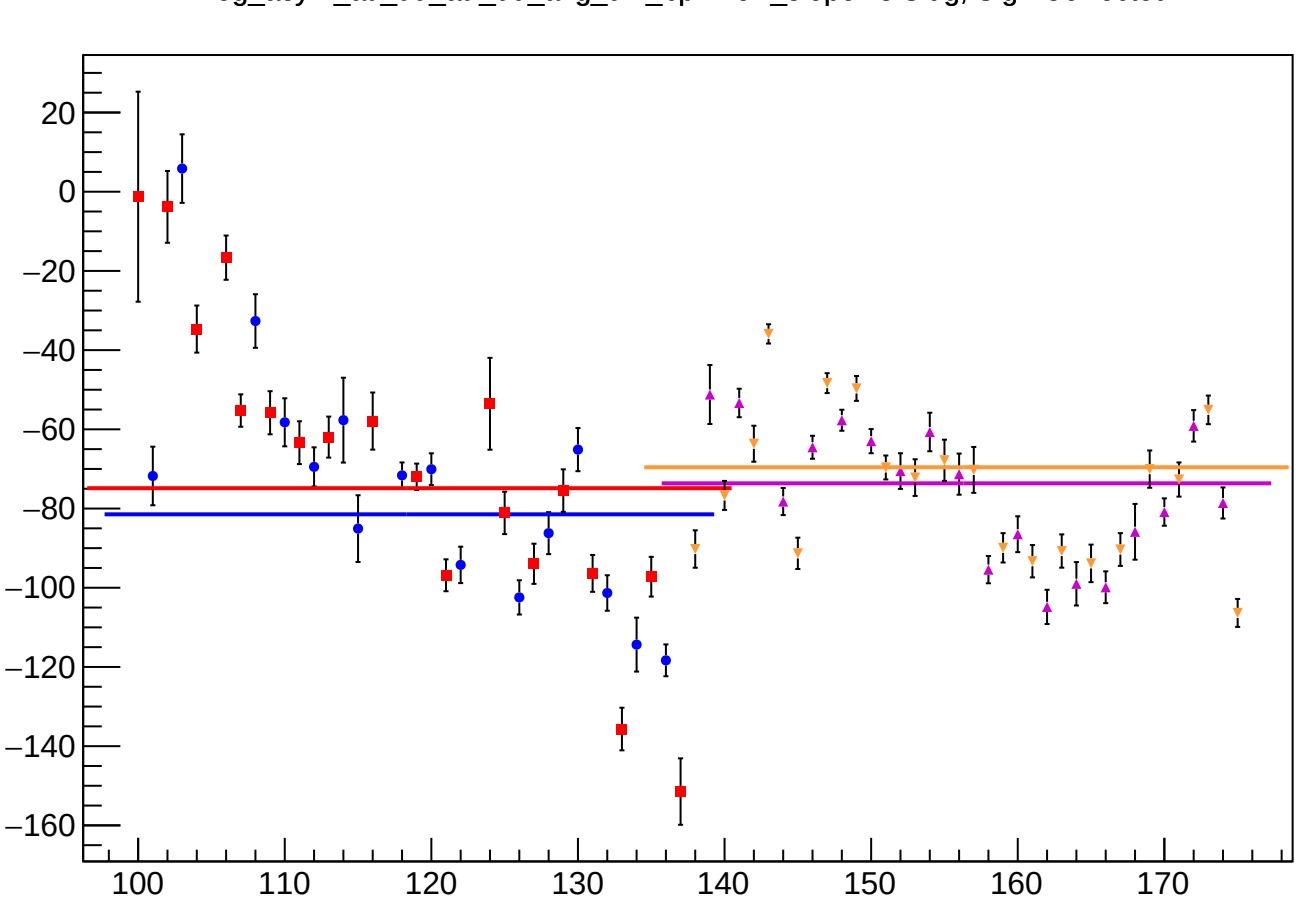
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

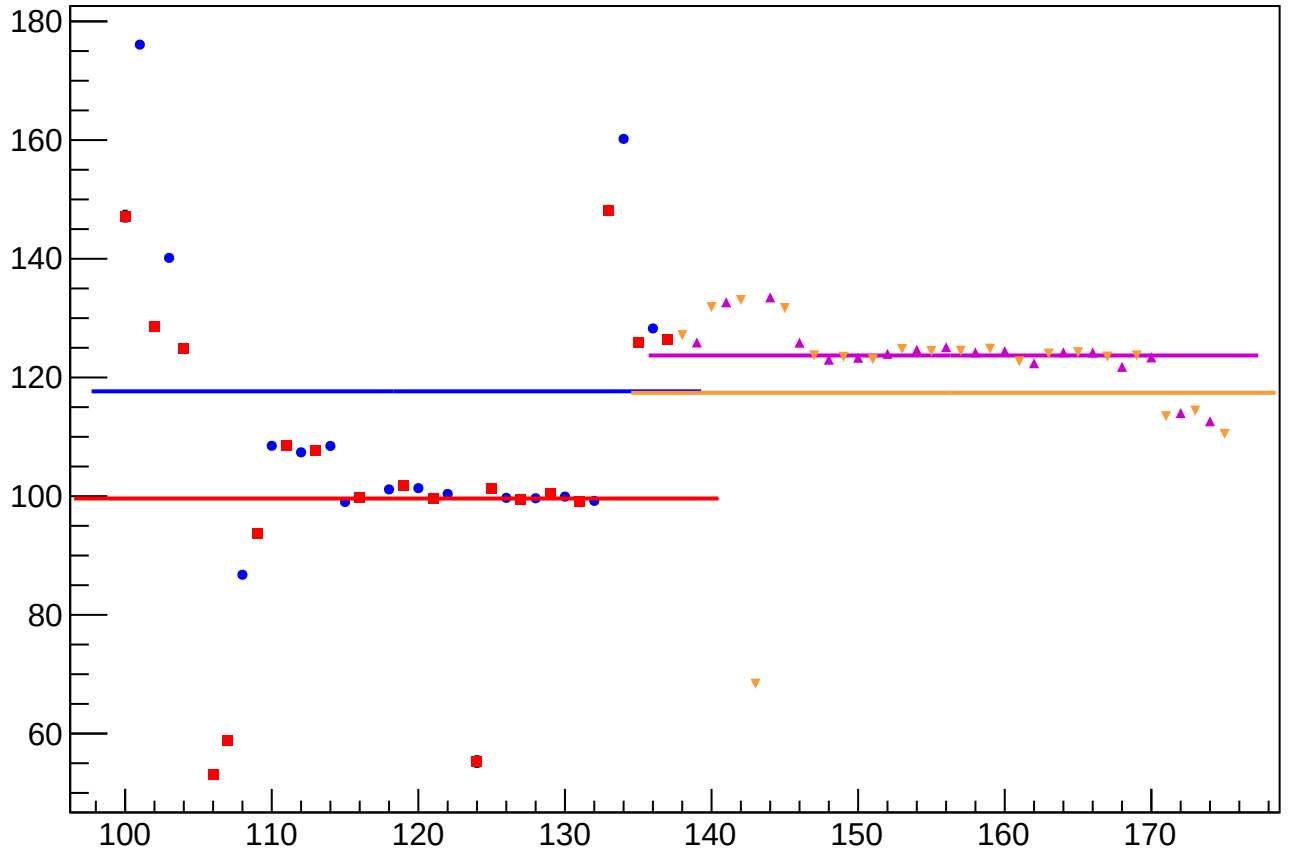
In: 2.114+/-0.642 χ^2/NDF:541.8/33

Out: 0.554+/-0.593 χ^2/NDF:640.7/38

All: 1.272+/-0.436 χ^2/NDF: 1185.6/72


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -219.052+/-1.015 χ²/NDF:1562.7/19
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -237.302+/-1.111 χ²/NDF:341.9/17
Left: -227.357+/-0.749 χ²/NDF: 2051.6/37
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -238.262+/-0.829 χ²/NDF:1505.8/33
Out: -219.052+/-0.769 χ²/NDF:4612.0/38
All: -227.931+/-0.564 χ²/NDF: 6406.5/72


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -69.577+/-0.836 χ²/NDF:623.5/19
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -73.633+/-0.916 χ²/NDF:295.3/17
Left: -71.420+/-0.617 χ²/NDF: 929.5/37
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.266+/-0.746 χ²/NDF:686.3/33
Out: -71.246+/-0.691 χ²/NDF:1212.8/38
All: -73.565+/-0.507 χ²/NDF: 1923.4/72



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

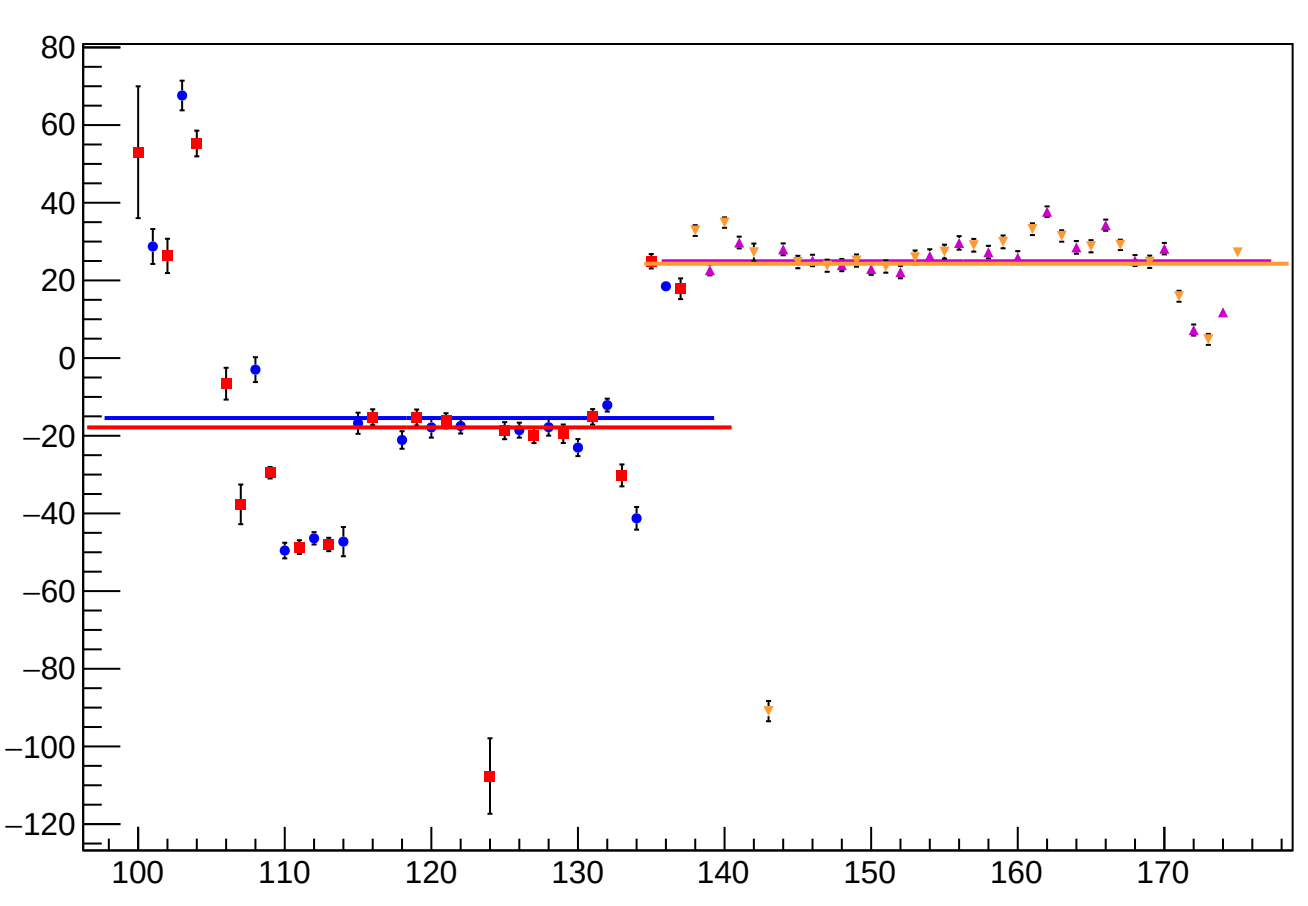
Left: 120.383+/-0.029 χ^2/NDF: 227119.7/37

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.361+/-0.037 χ^2/NDF:114134.9/33

Out: 113.127+/-0.034 χ^2/NDF:416059.6/38

All: 117.430+/-0.025 χ^2/NDF: 563589.2/72



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.293+/-0.342 χ^2/NDF:2383.3/19

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

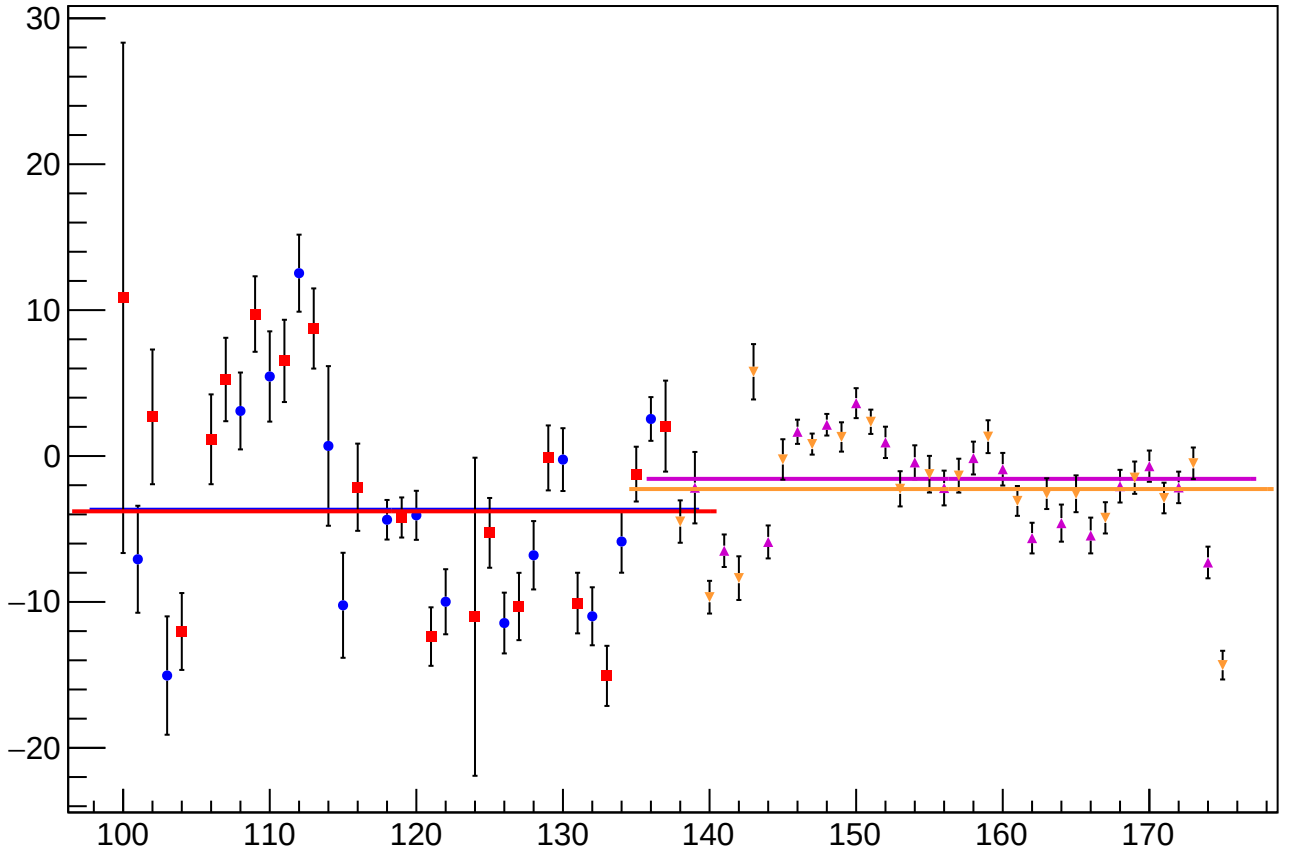
Left: 24.603+/-0.246 χ^2/NDF: 2825.2/37

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

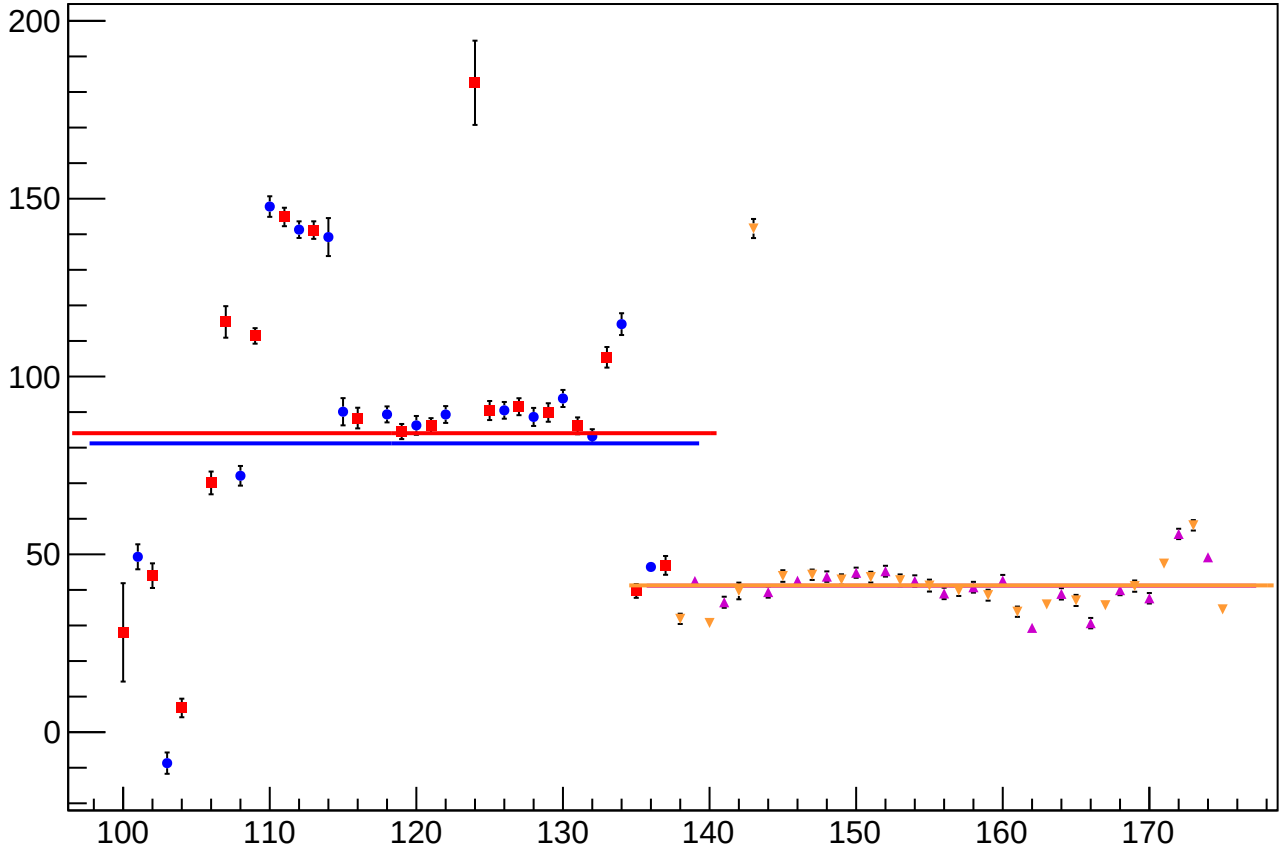
In: 12.779+/-0.296 χ^2/NDF:6485.0/33

Out: 11.910+/-0.287 χ^2/NDF:8979.1/38

All: 12.332+/-0.206 χ^2/NDF: 15468.5/72


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -2.263+/-0.245 χ²/NDF:314.2/19
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.565+/-0.254 χ²/NDF:168.3/17
Left: -1.927+/-0.176 χ²/NDF: 486.4/37
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.936+/-0.231 χ²/NDF:304.4/33
Out: -2.505+/-0.225 χ²/NDF:481.6/38
All: -2.229+/-0.161 χ²/NDF: 789.1/72

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

Left: 41.229+/-0.242 χ^2/NDF: 2080.5/37

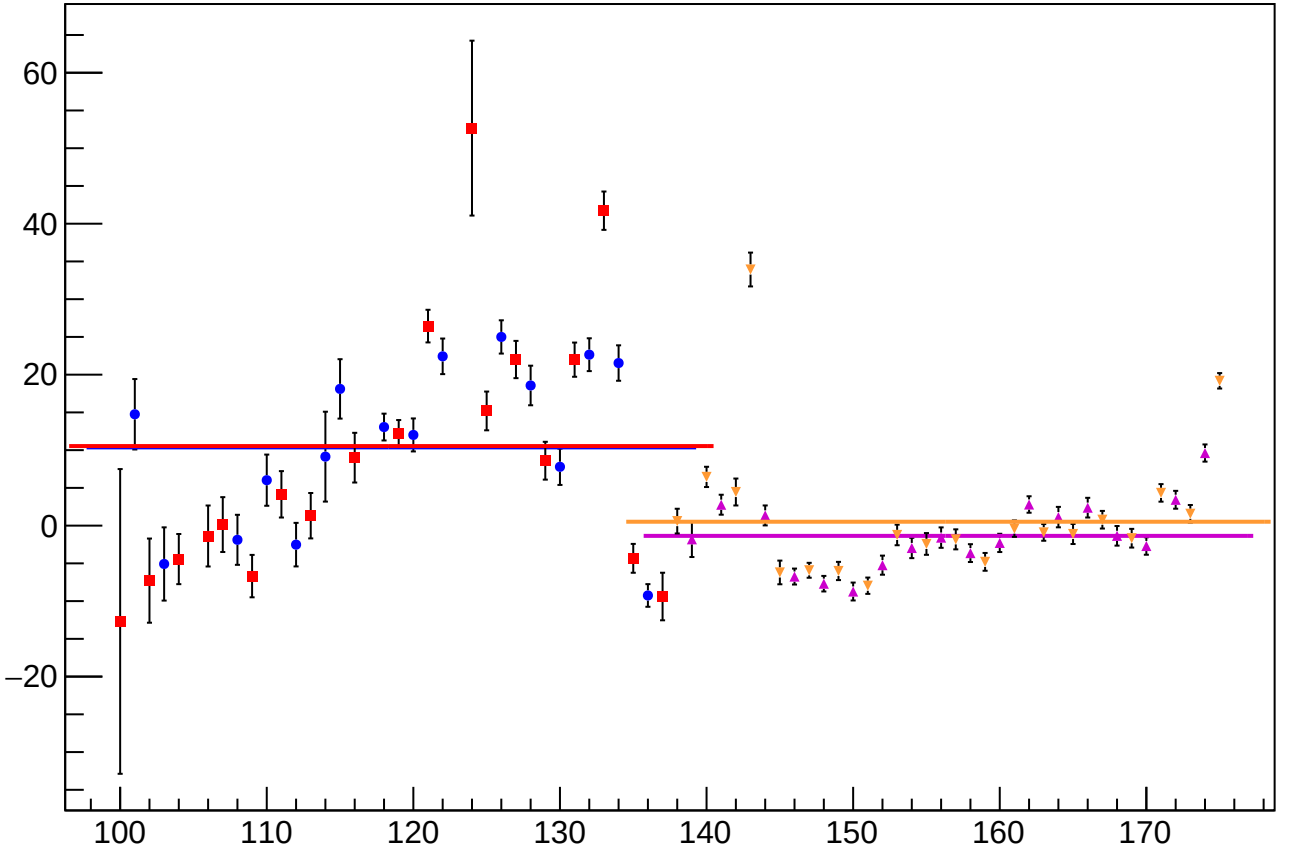
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.089+/-0.302 χ^2/NDF:6811.7/33

Out: 51.067+/-0.295 χ^2/NDF:8694.2/38

All: 51.078+/-0.211 χ^2/NDF: 15505.9/72

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.516+/-0.280 χ^2/NDF:778.6/19

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.357+/-0.291 χ^2/NDF:268.3/17

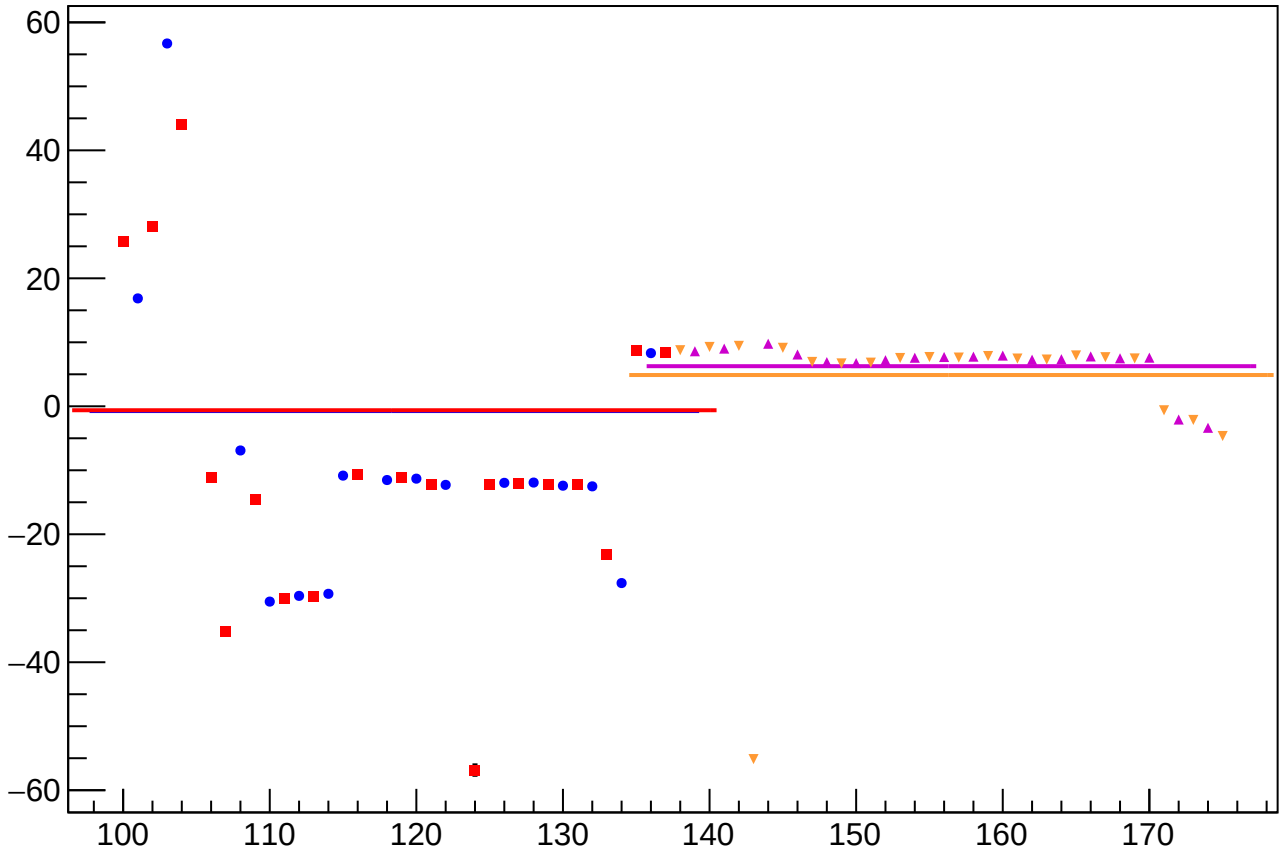
Left: -0.383+/-0.202 χ^2/NDF: 1068.4/37

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.725+/-0.264 χ^2/NDF:916.0/33

Out: 2.124+/-0.256 χ^2/NDF:1455.1/38

All: 1.445+/-0.184 χ^2/NDF: 2385.5/72



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

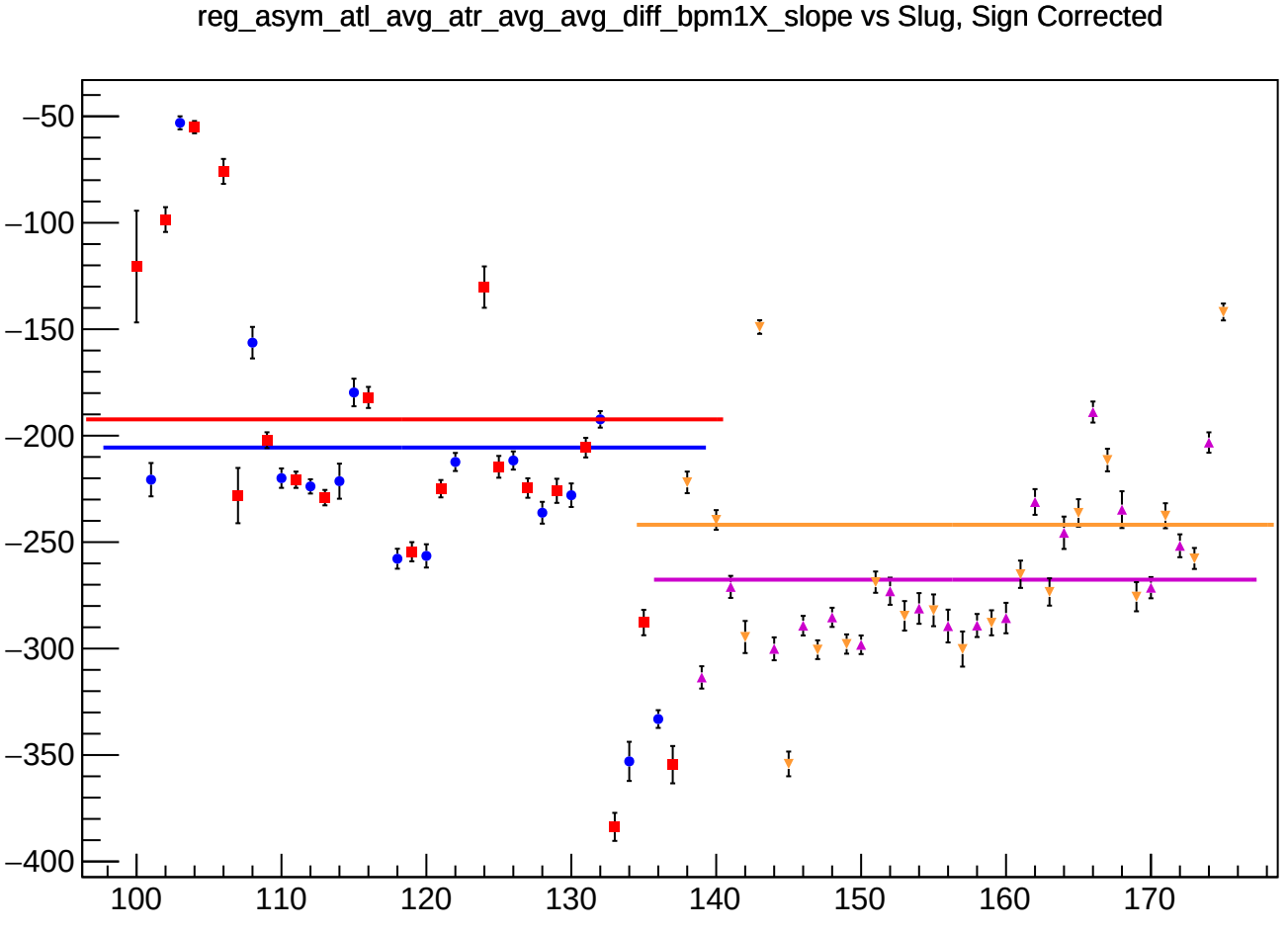
Left: 5.568+/-0.009 χ^2/NDF: 493036.6/37

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.473+/-0.012 χ^2/NDF:485554.0/33

Out: 4.318+/-0.012 χ^2/NDF:739454.7/38

All: 4.891+/-0.009 χ^2/NDF: 1229616.1/72



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -241.842+/-1.181 χ^2/NDF:2557.4/19

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -267.634+/-1.303 χ^2/NDF:737.8/17

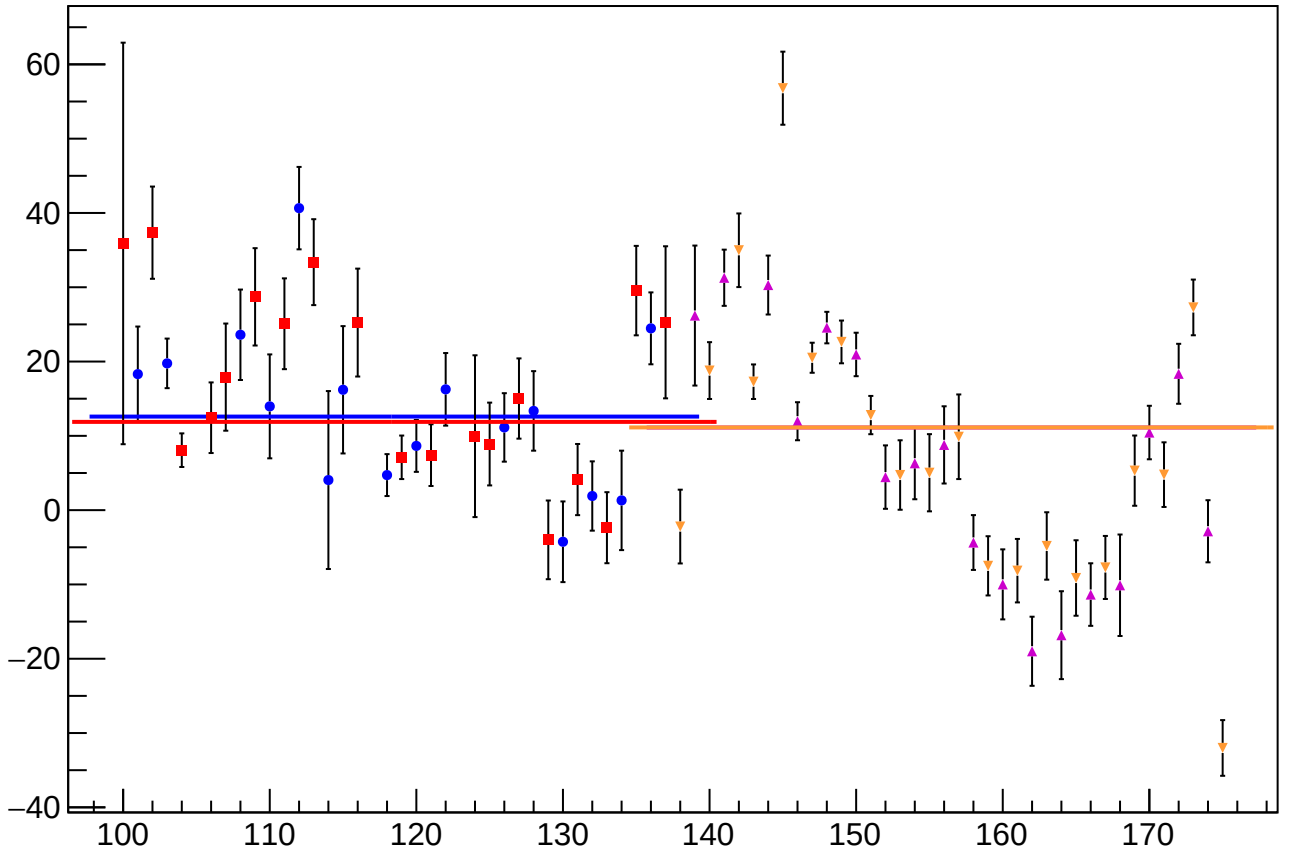
Left: -253.473+/-0.875 χ^2/NDF: 3510.3/37

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -233.658+/-0.877 χ^2/NDF:6035.4/33

Out: -215.836+/-0.814 χ^2/NDF:8450.1/38

All: -224.084+/-0.596 χ^2/NDF: 14707.5/72



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 11.134+/-0.815 χ^2/NDF:413.8/19

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.121+/-0.899 χ^2/NDF:264.1/17

Left: 11.129+/-0.604 χ^2/NDF: 677.9/37

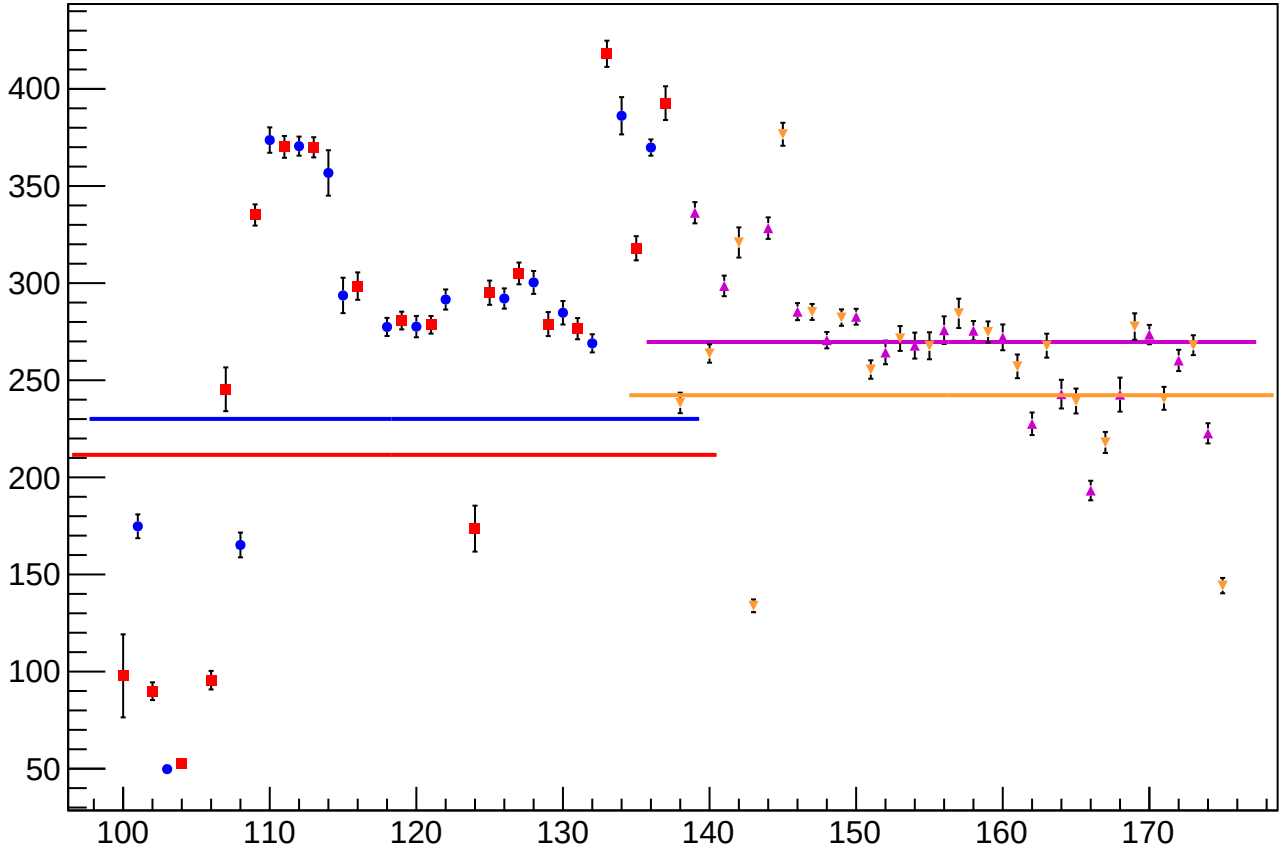
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 11.649+/-0.720 χ^2/NDF:333.6/33

Out: 11.392+/-0.659 χ^2/NDF:499.0/38

All: 11.509+/-0.486 χ^2/NDF: 832.7/72

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 242.304+/-1.165 χ^2/NDF:2736.7/19

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 269.695+/-1.278 χ^2/NDF:706.8/17

Left: 254.733+/-0.861 χ^2/NDF: 3694.4/37

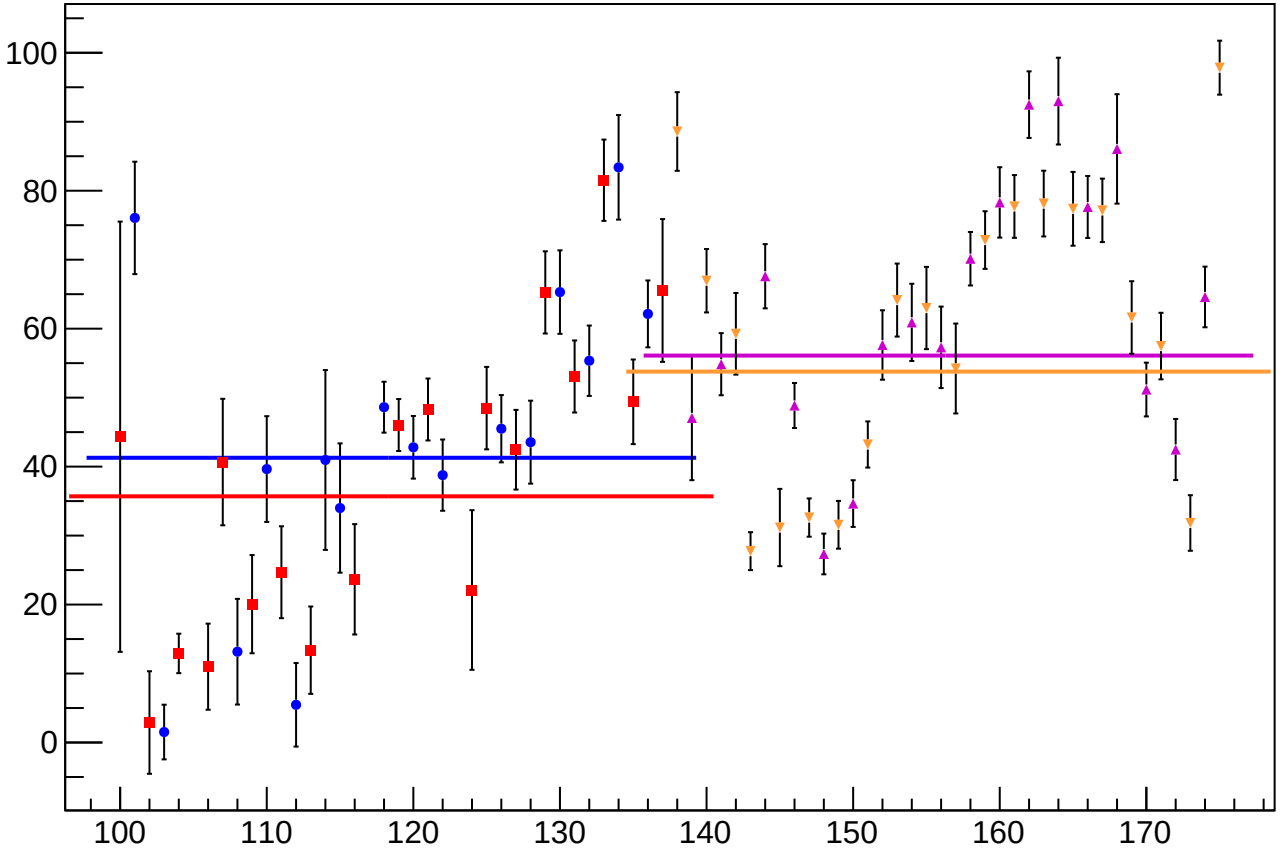
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.609+/-0.897 χ^2/NDF:10569.5/33

Out: 227.343+/-0.834 χ^2/NDF:14547.5/38

All: 237.669+/-0.611 χ^2/NDF: 25447.5/72

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 53.778+/-0.954 χ^2/NDF:546.7/19

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.097+/-1.048 χ^2/NDF:323.4/17

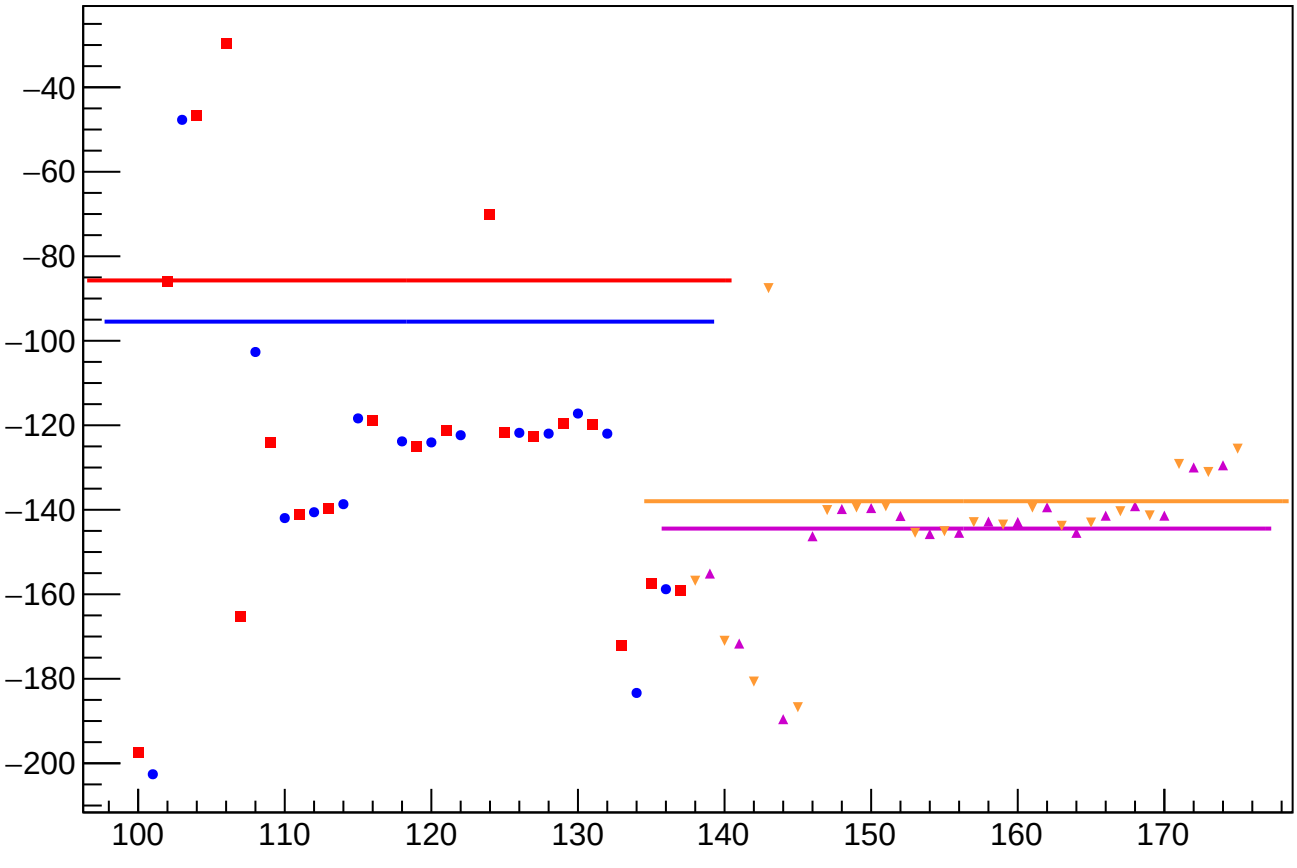
Left: 54.829+/-0.706 χ^2/NDF: 872.9/37

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.764+/-0.838 χ^2/NDF:641.1/33

Out: 47.551+/-0.773 χ^2/NDF:923.6/38

All: 49.027+/-0.568 χ^2/NDF: 1572.7/72



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.974+/-0.045 χ^2/NDF:241196.3/19

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -144.451+/-0.048 χ^2/NDF:67655.5/17

Left: -141.028+/-0.033 χ^2/NDF: 318471.8/37

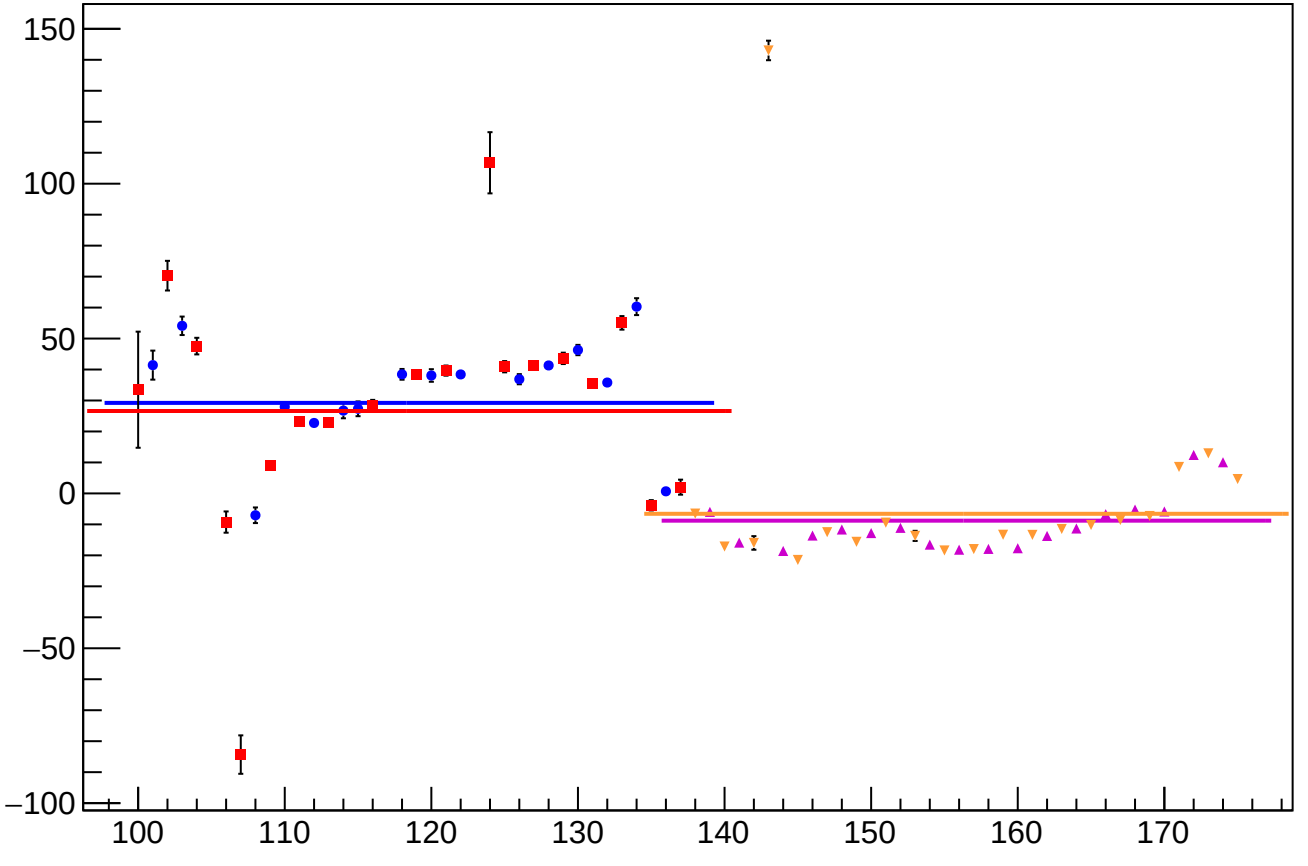
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.617+/-0.039 χ^2/NDF:924229.1/33

Out: -121.541+/-0.038 χ^2/NDF:1141474.2/38

All: -124.900+/-0.027 χ^2/NDF: 2082569.3/72

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.582+/-0.320 χ^2/NDF:3157.2/19

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

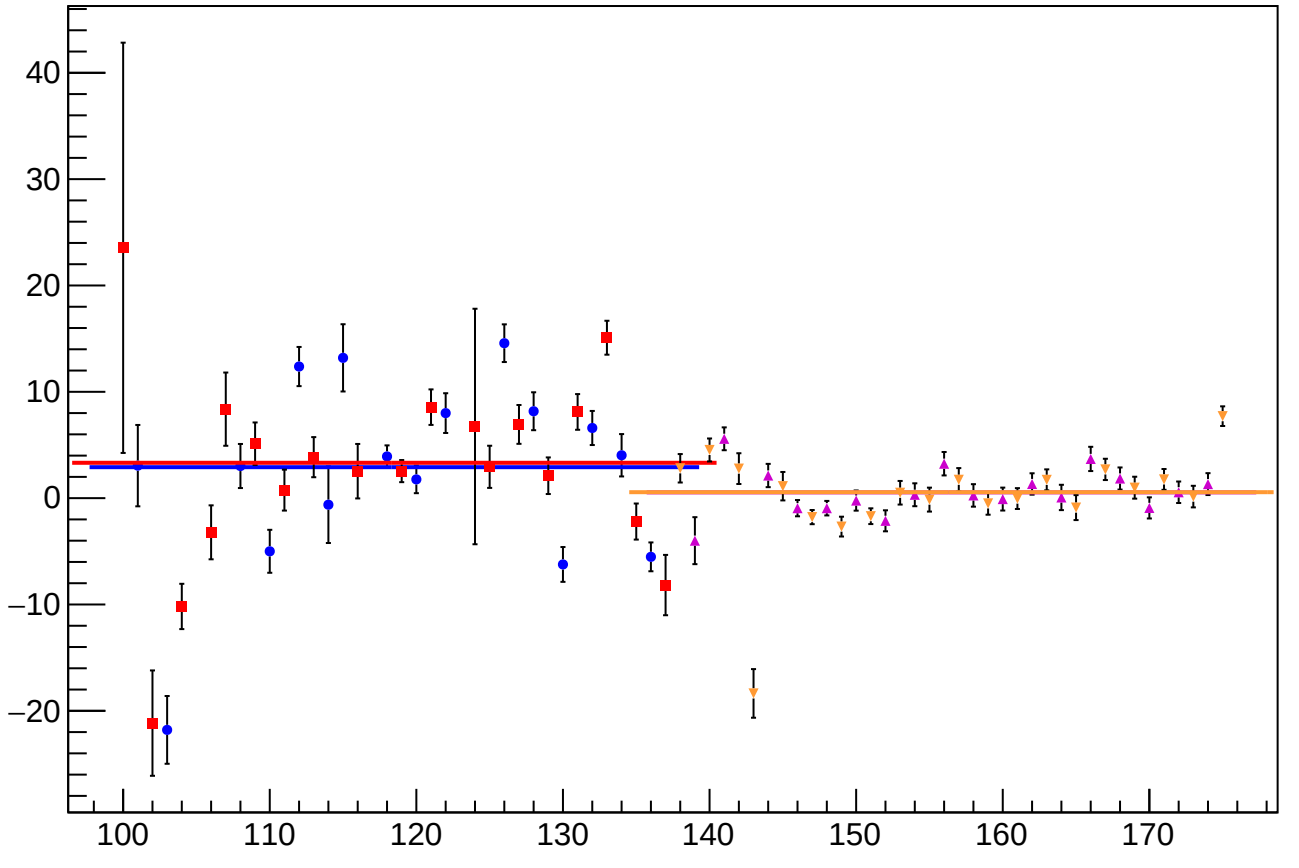
Left: -7.655+/-0.230 χ^2/NDF: 3950.6/37

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.569+/-0.261 χ^2/NDF:7111.5/33

Out: 5.832+/-0.253 χ^2/NDF:9099.6/38

All: 5.704+/-0.182 χ^2/NDF: 16211.6/72



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.543+/-0.238 χ^2/NDF:63.9/17

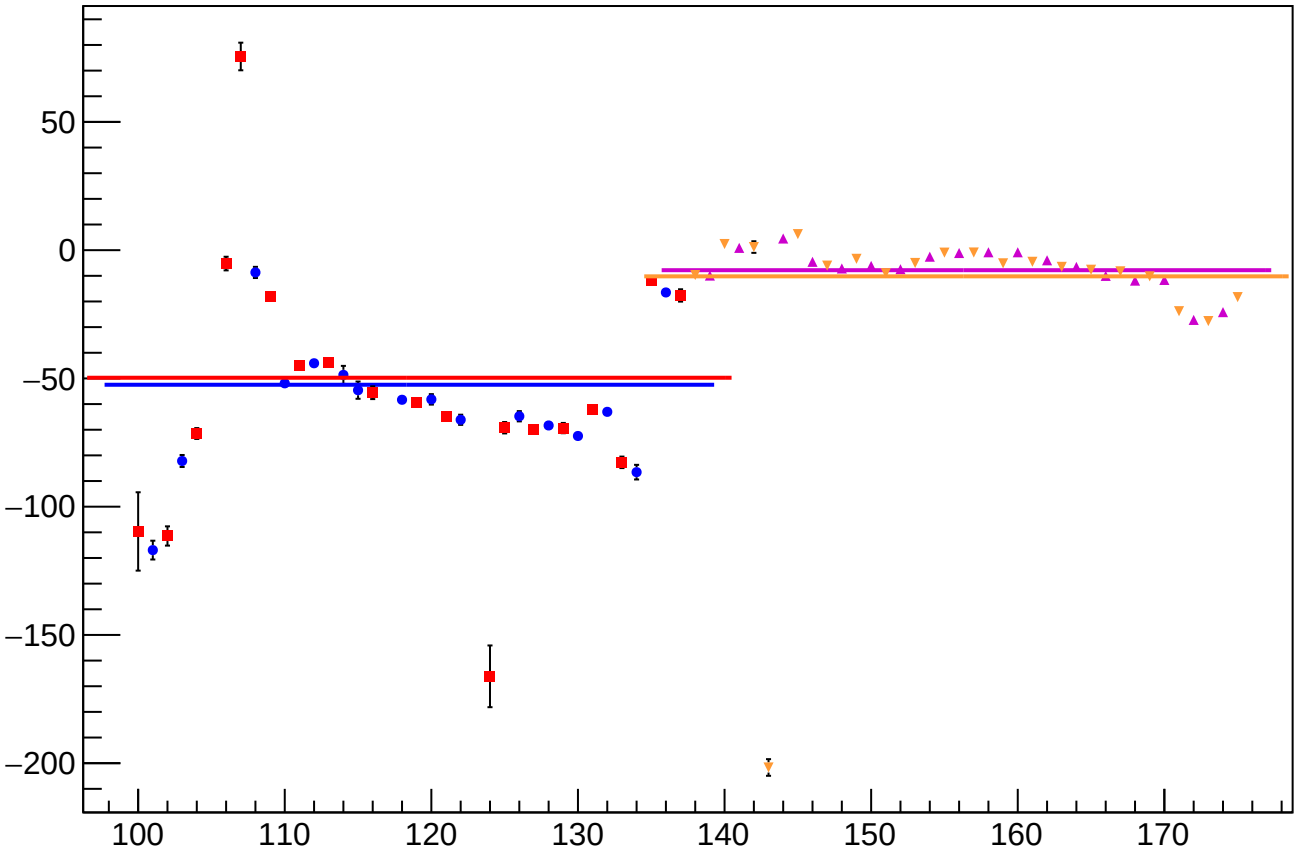
Left: 0.552+/-0.165 χ^2/NDF: 257.0/37

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.075+/-0.210 χ^2/NDF:336.2/33

Out: 1.122+/-0.204 χ^2/NDF:404.5/38

All: 1.099+/-0.146 χ^2/NDF: 740.6/72



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

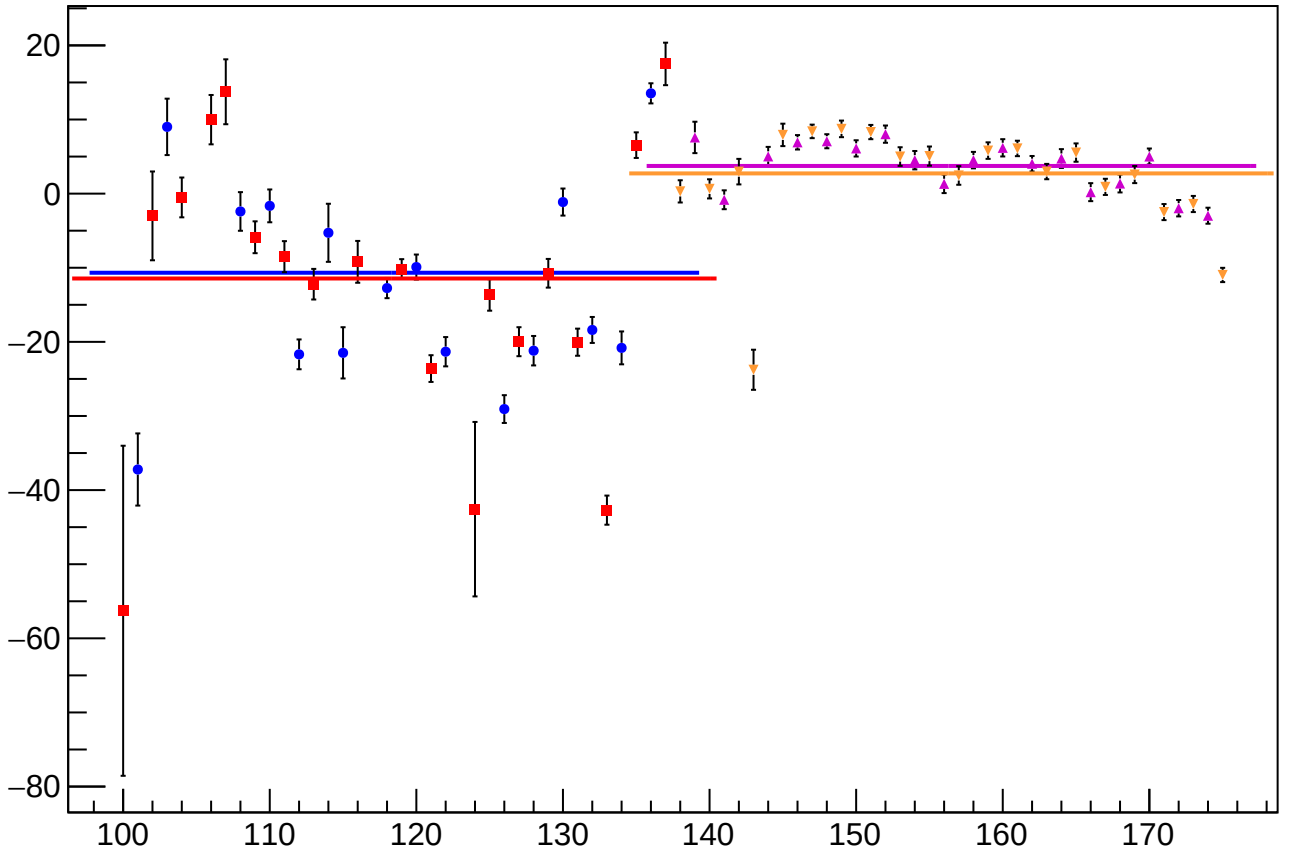
Left: -9.045+/-0.226 χ^2/NDF: 4833.1/37

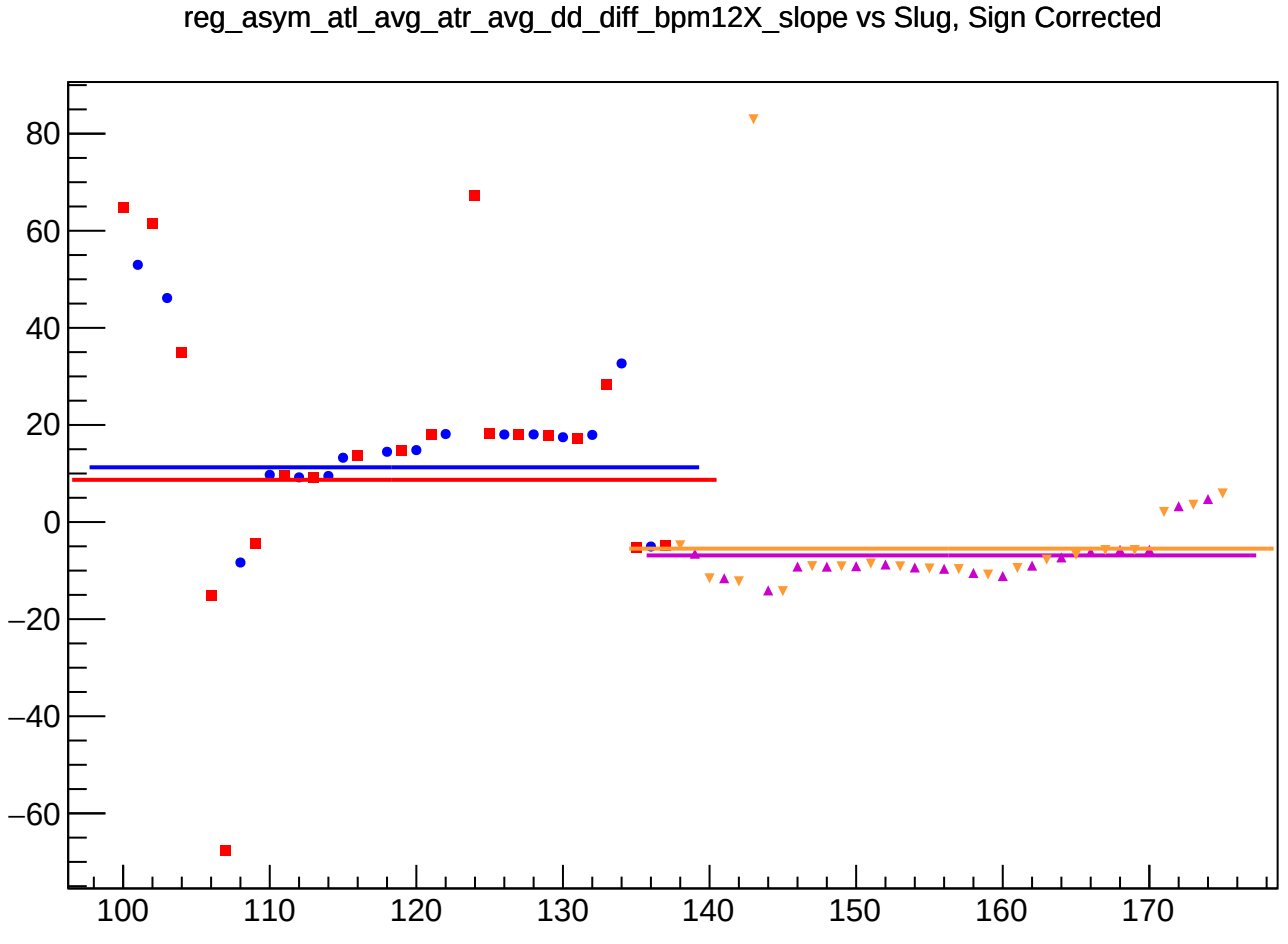
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.552+/-0.271 χ^2/NDF:8724.3/33

Out: -21.595+/-0.265 χ^2/NDF:11780.8/38

All: -21.574+/-0.189 χ^2/NDF: 20505.2/72


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 2.728+/-0.262 χ²/NDF:486.8/19
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 3.734+/-0.272 χ²/NDF:147.2/17
Left: 3.211+/-0.189 χ²/NDF: 641.0/37
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: 0.490+/-0.240 χ²/NDF:1443.3/33
Out: -0.175+/-0.234 χ²/NDF:1752.7/38
All: 0.148+/-0.167 χ²/NDF: 3200.0/72



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

Left: -6.166+/-0.008 χ^2/NDF: 812771.7/37

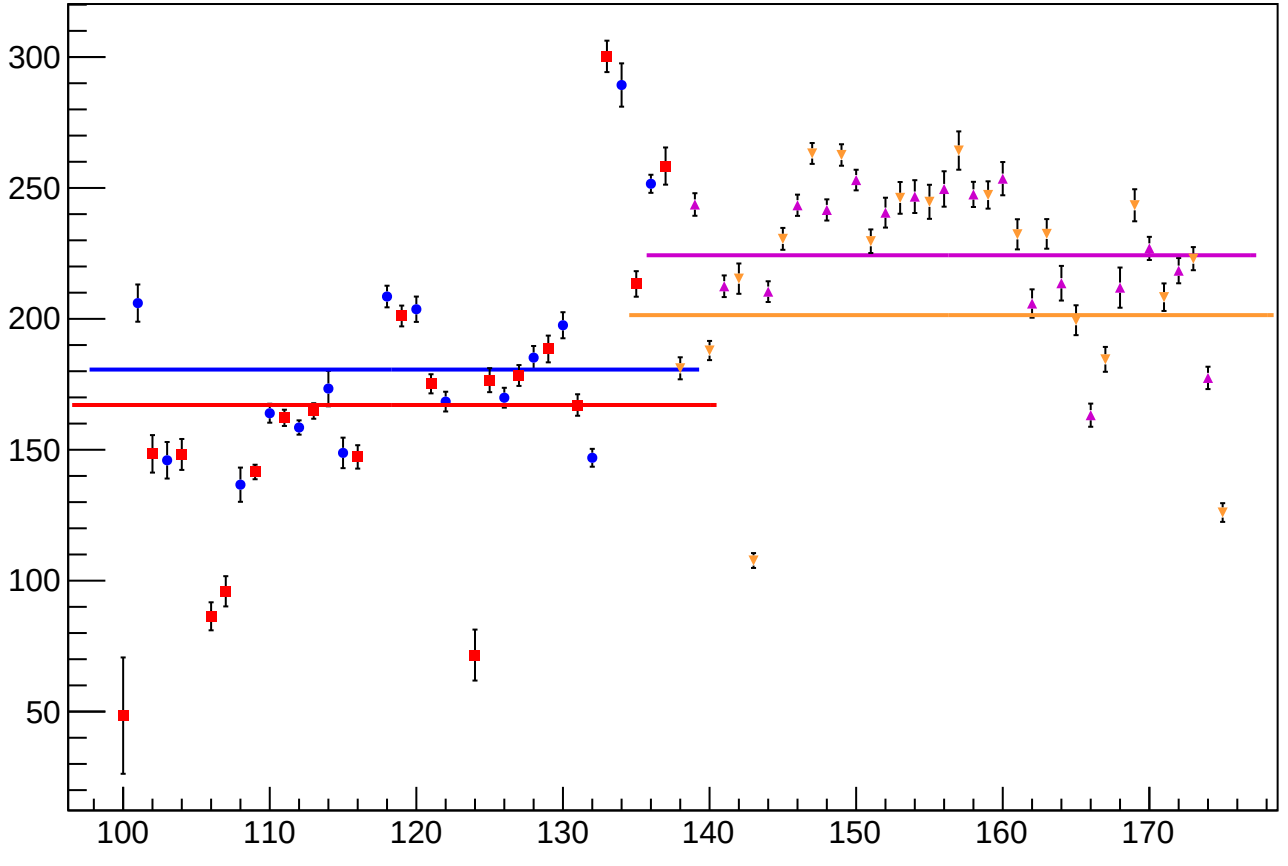
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.368+/-0.011 χ^2/NDF:827181.1/33

Out: -3.713+/-0.011 χ^2/NDF:1259502.7/38

All: -4.040+/-0.008 χ^2/NDF: 2088428.2/72

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

Left: 211.767+/-0.760 χ^2/NDF: 3286.8/37

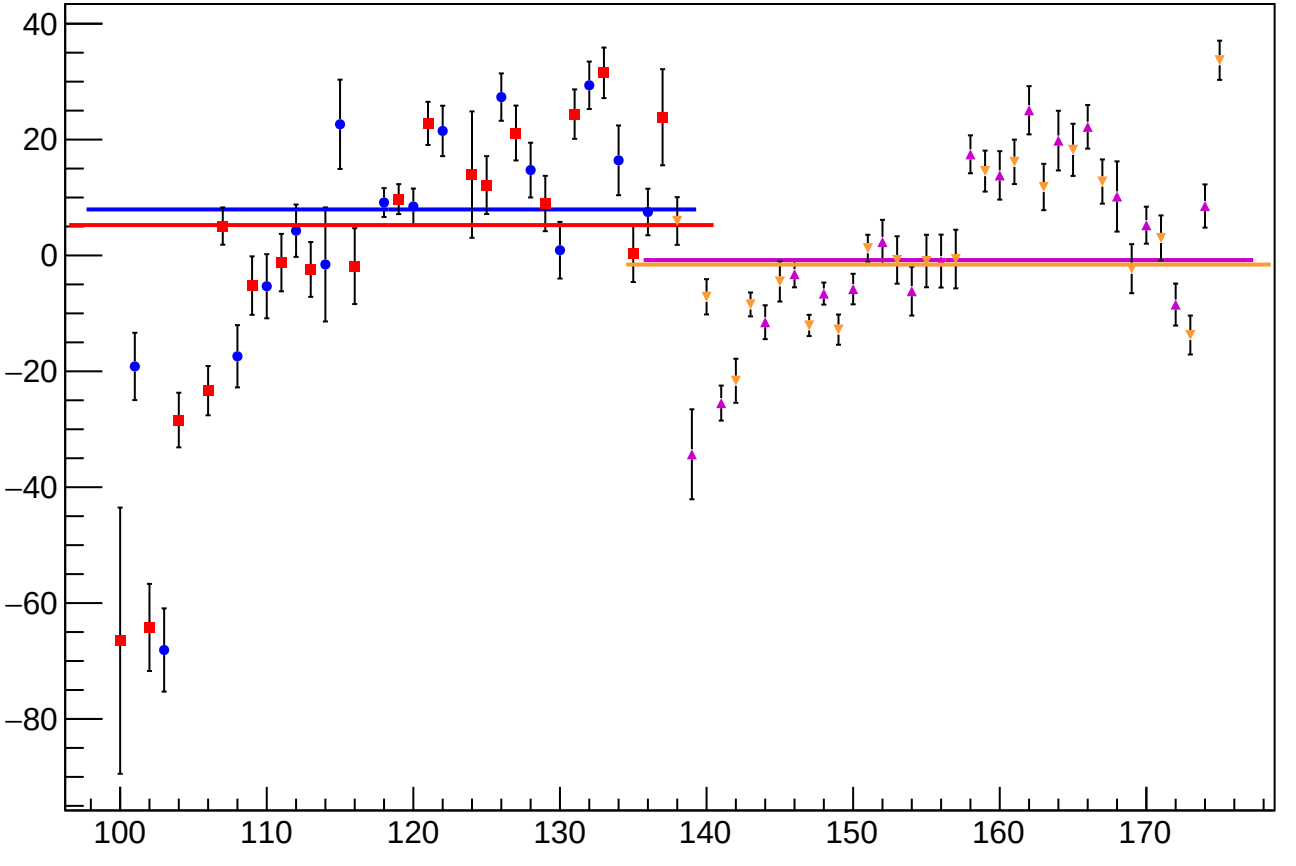
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.665+/-0.784 χ^2/NDF:2310.5/33

Out: 184.164+/-0.724 χ^2/NDF:4565.4/38

All: 192.213+/-0.532 χ^2/NDF: 7144.7/72

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

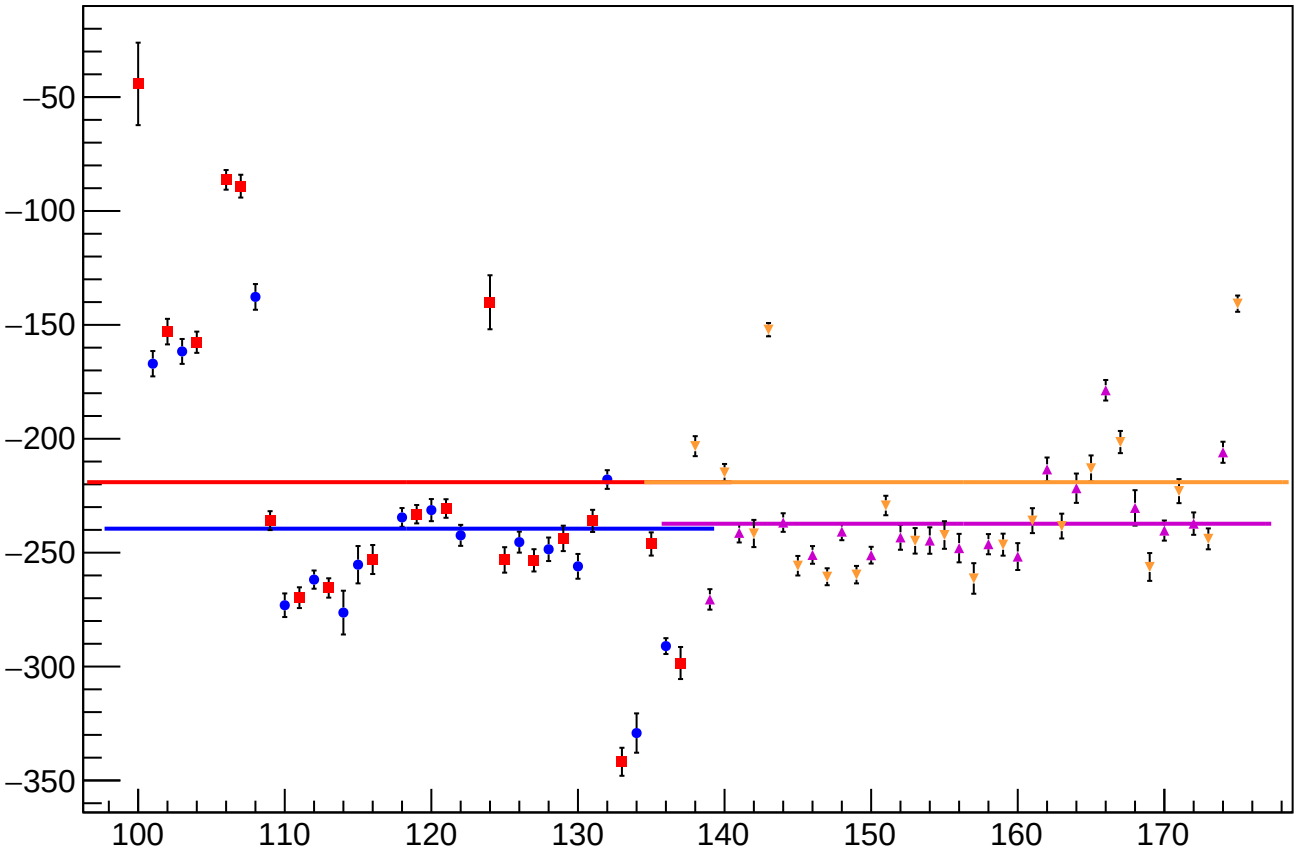
Left: -1.218+/-0.529 χ^2/NDF: 577.7/37

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.114+/-0.642 χ^2/NDF:541.8/33

Out: 0.554+/-0.593 χ^2/NDF:640.7/38

All: 1.272+/-0.436 χ^2/NDF: 1185.6/72



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

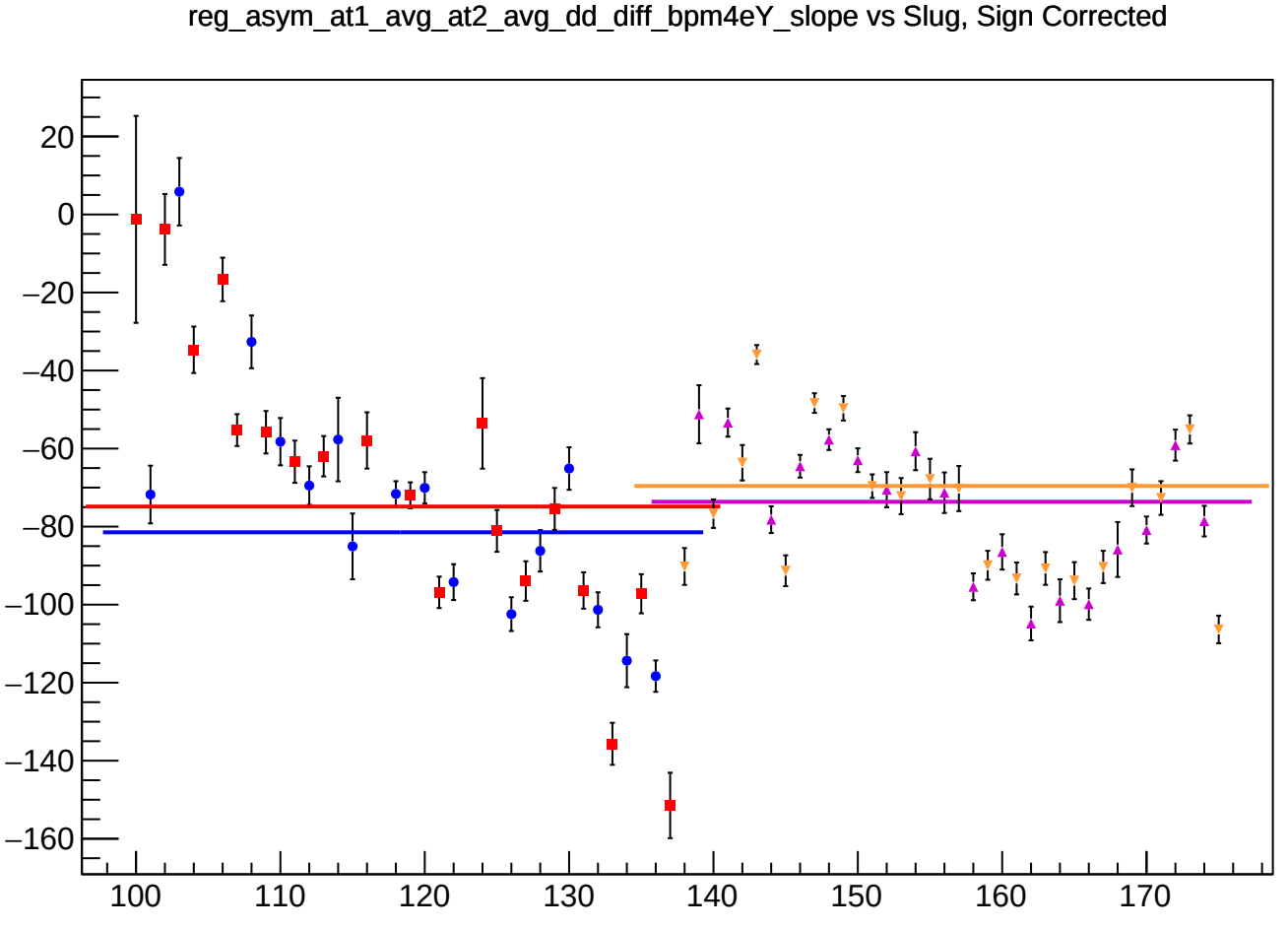
Left: -227.357+/-0.749 χ^2/NDF: 2051.6/37

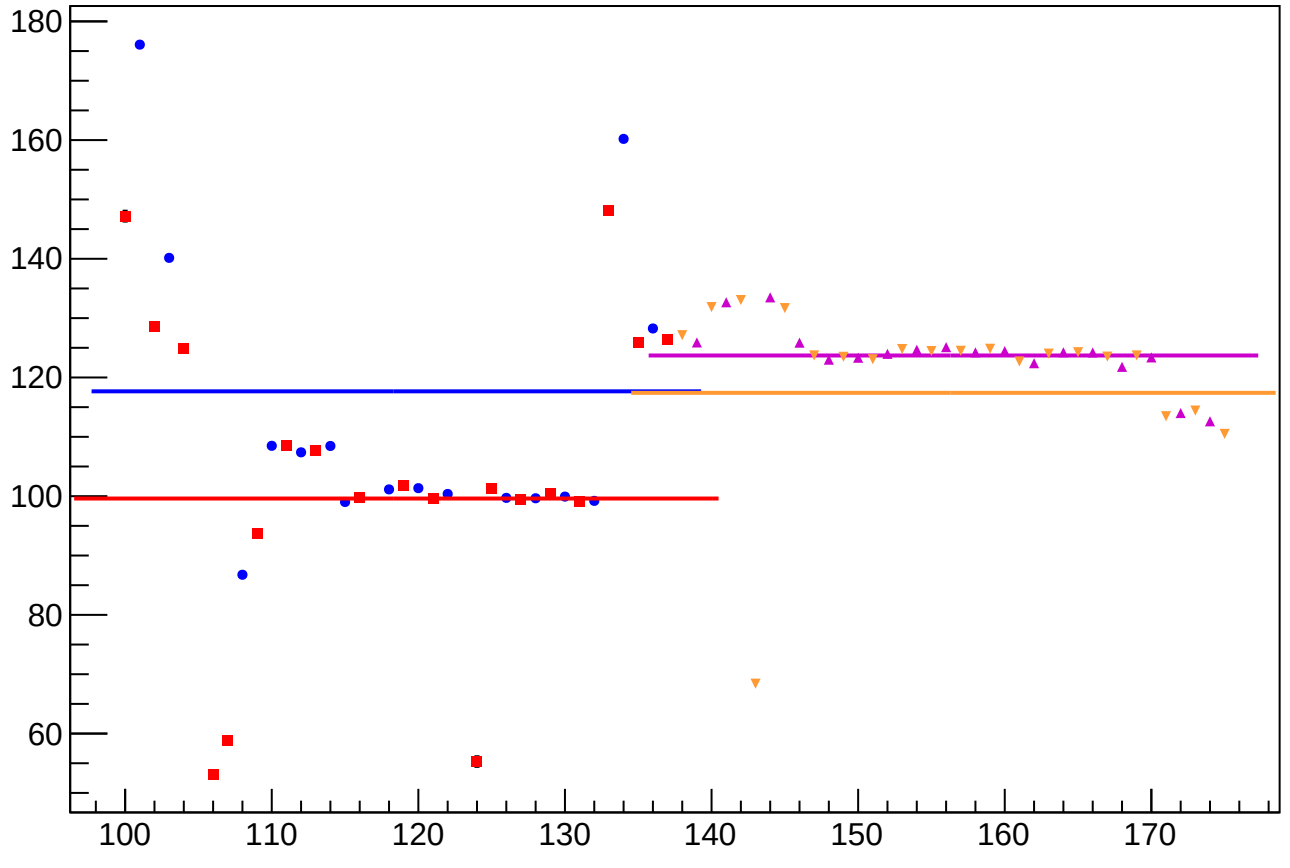
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -238.262+/-0.829 χ^2/NDF:1505.8/33

Out: -219.052+/-0.769 χ^2/NDF:4612.0/38

All: -227.931+/-0.564 χ^2/NDF: 6406.5/72


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -81.462+/-1.287 χ2/NDF: 366.5/15
Left Out: -69.577+/-0.836 χ2/NDF:623.5/19
Right Out: -74.861+/-1.230 χ2/NDF: 576.6/18
Left In: -73.633+/-0.916 χ2/NDF:295.3/17
Left: -71.420+/-0.617 χ2/NDF: 929.5/37
Right: -78.013+/-0.889 χ2/NDF: 956.9/34
In: -76.266+/-0.746 χ2/NDF:686.3/33
Out: -71.246+/-0.691 χ2/NDF:1212.8/38
All: -73.565+/-0.507 χ2/NDF: 1923.4/72



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

Left: 120.383+/-0.029 χ^2/NDF: 227119.7/37

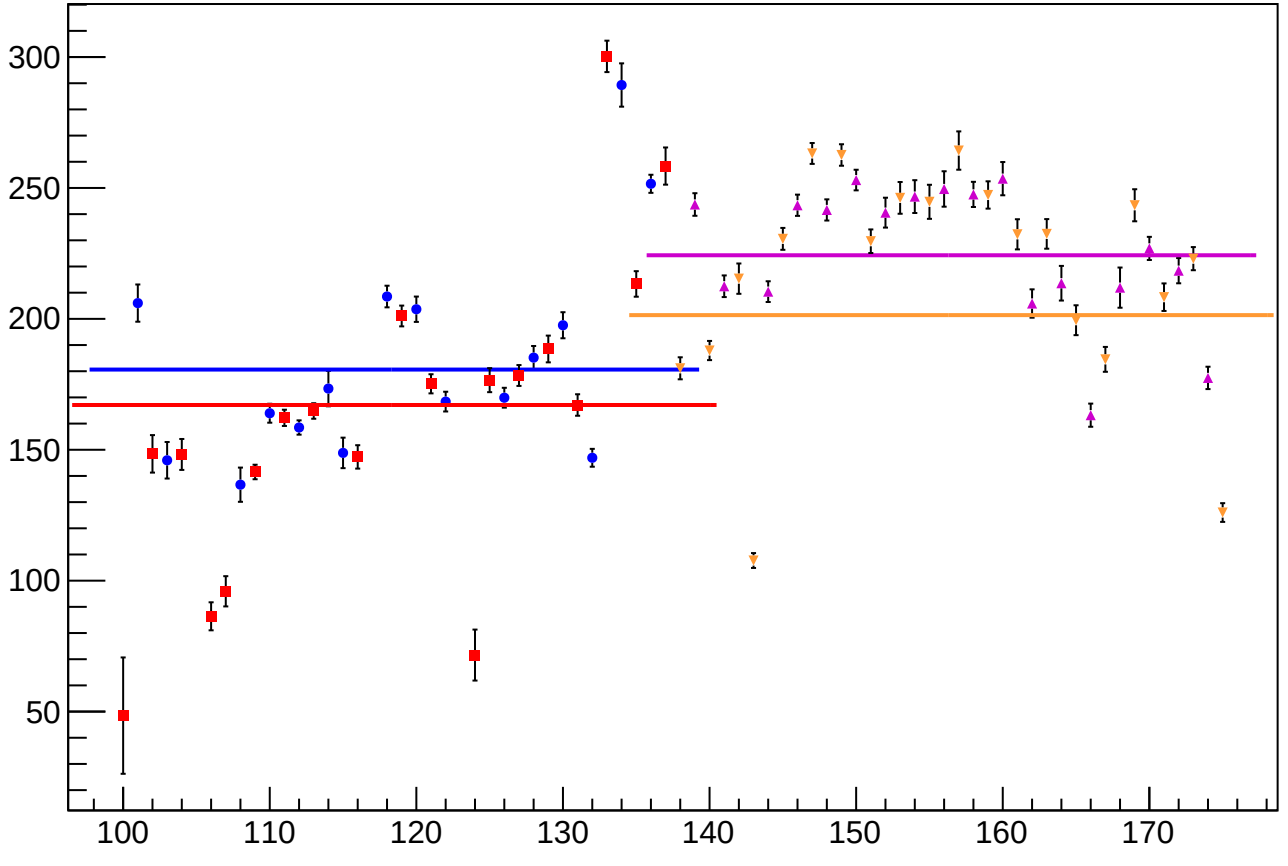
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.361+/-0.037 χ^2/NDF:114134.9/33

Out: 113.127+/-0.034 χ^2/NDF:416059.6/38

All: 117.430+/-0.025 χ^2/NDF: 563589.2/72

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

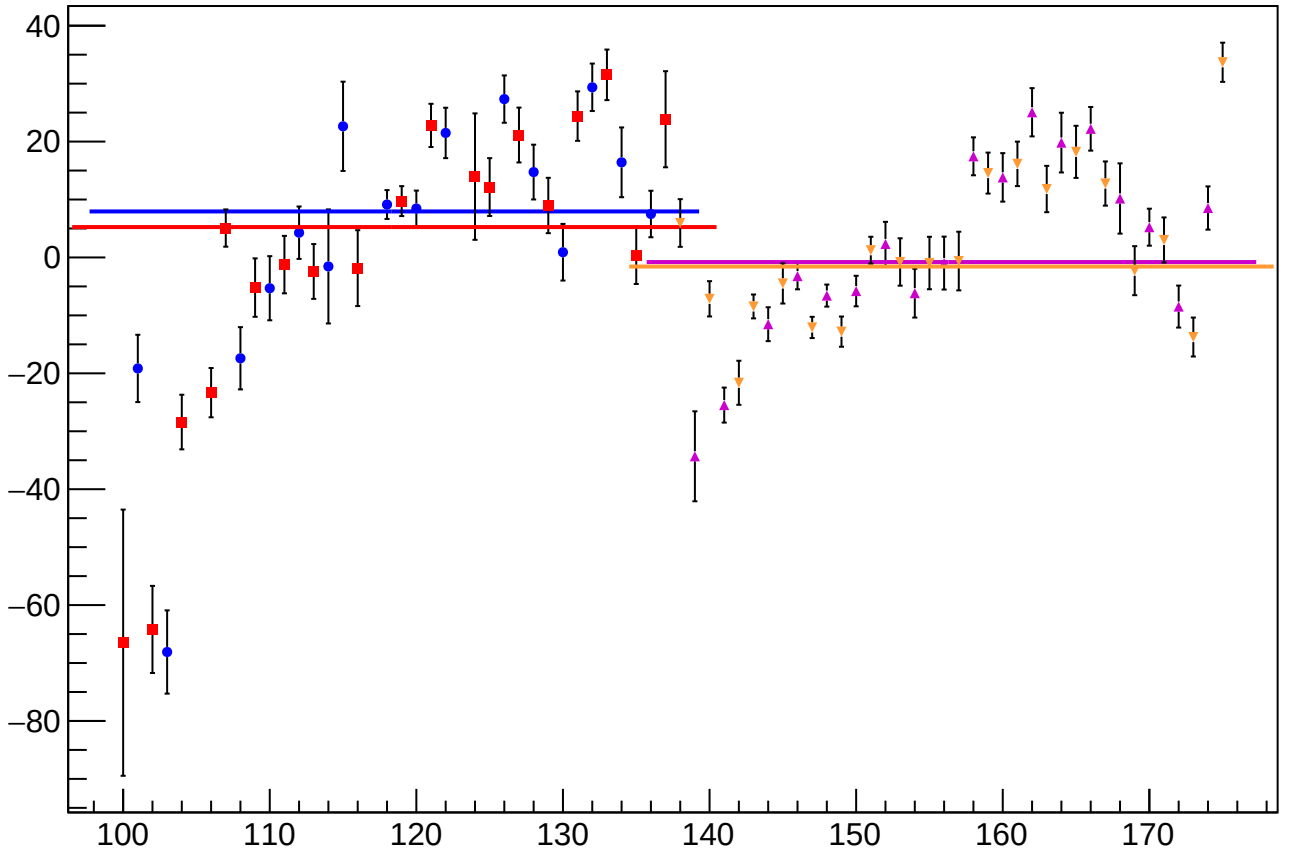
Left: 211.767+/-0.760 χ^2/NDF: 3286.8/37

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.665+/-0.784 χ^2/NDF:2310.5/33

Out: 184.164+/-0.724 χ^2/NDF:4565.4/38

All: 192.213+/-0.532 χ^2/NDF: 7144.7/72



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

Left: -1.218+/-0.529 χ^2/NDF: 577.7/37

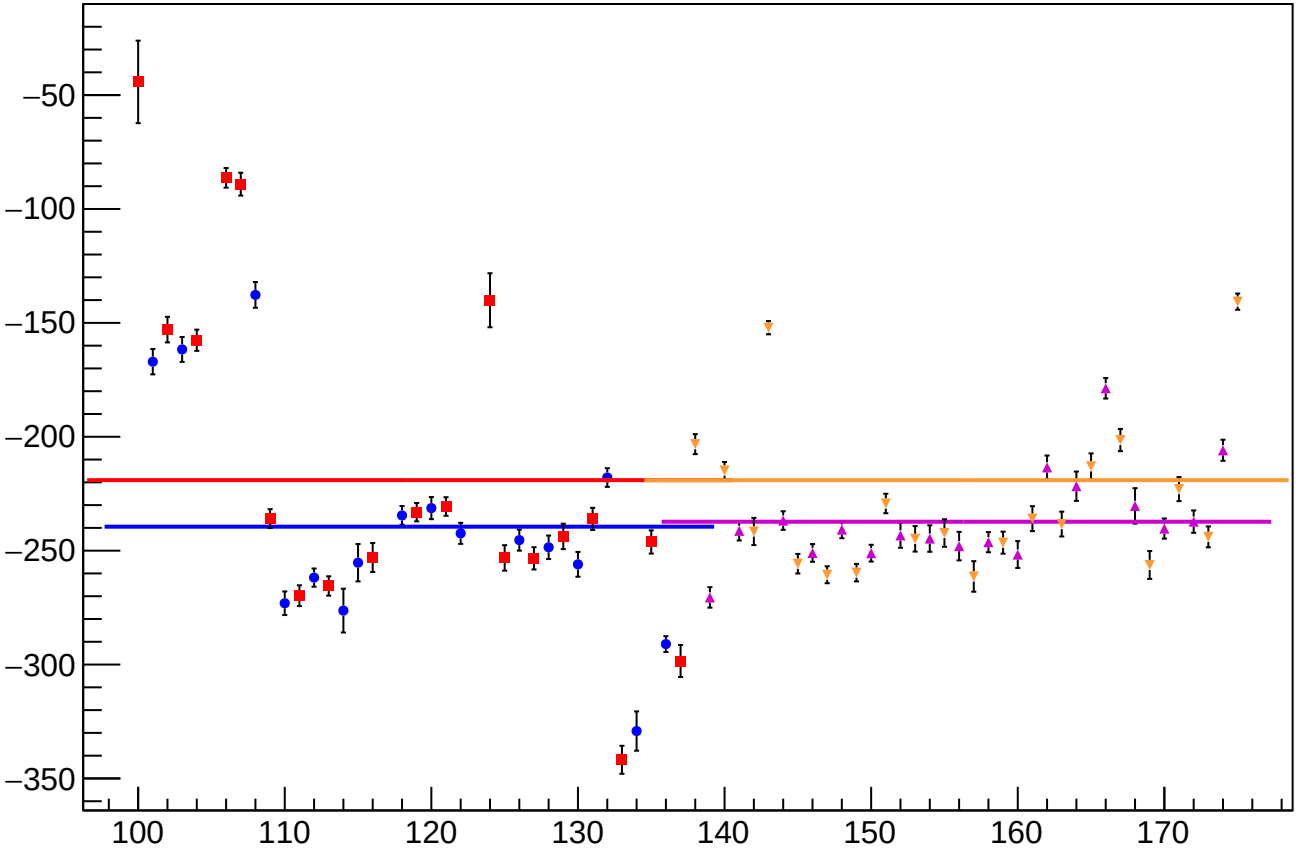
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.114+/-0.642 χ^2/NDF:541.8/33

Out: 0.554+/-0.593 χ^2/NDF:640.7/38

All: 1.272+/-0.436 χ^2/NDF: 1185.6/72

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

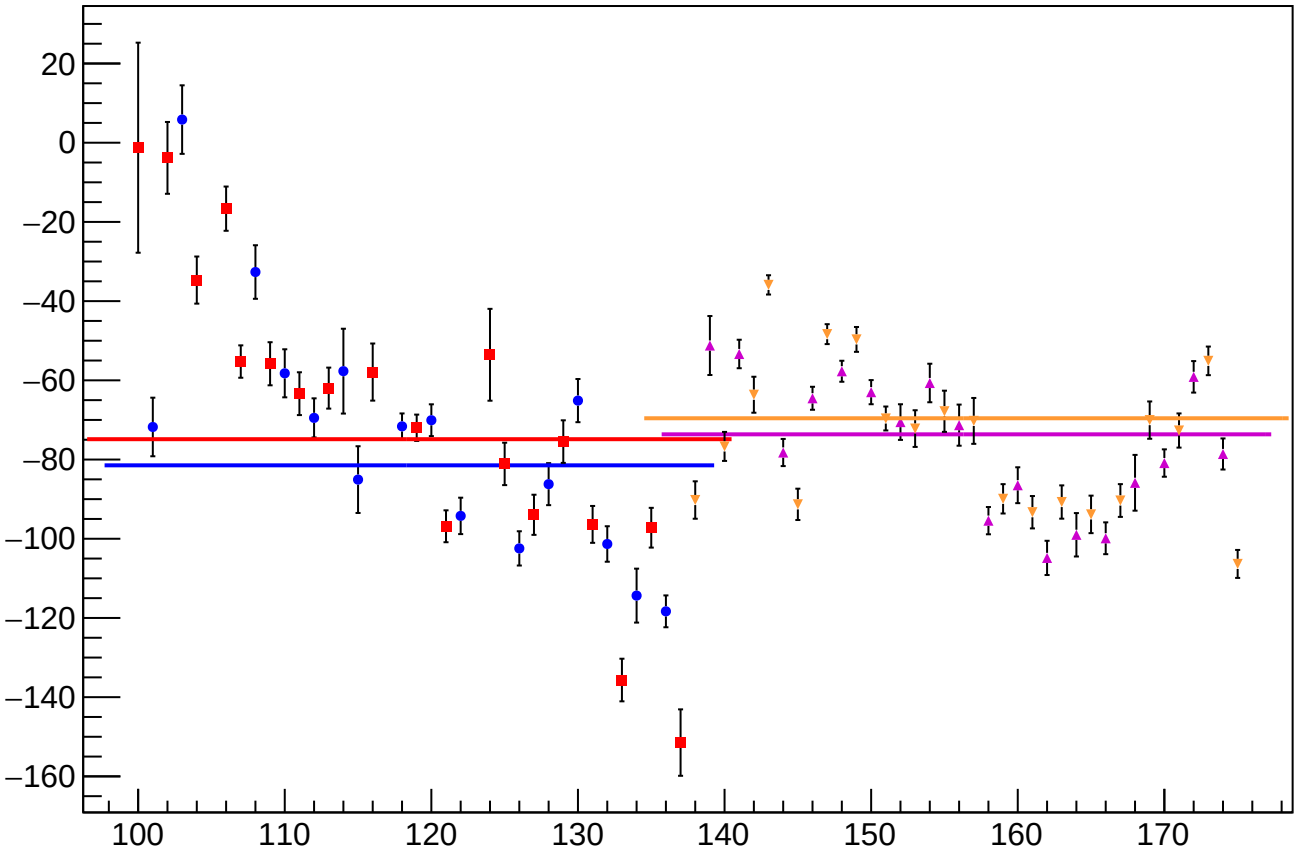
Left: -227.357+/-0.749 χ^2/NDF: 2051.6/37

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -238.262+/-0.829 χ^2/NDF:1505.8/33

Out: -219.052+/-0.769 χ^2/NDF:4612.0/38

All: -227.931+/-0.564 χ^2/NDF: 6406.5/72



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

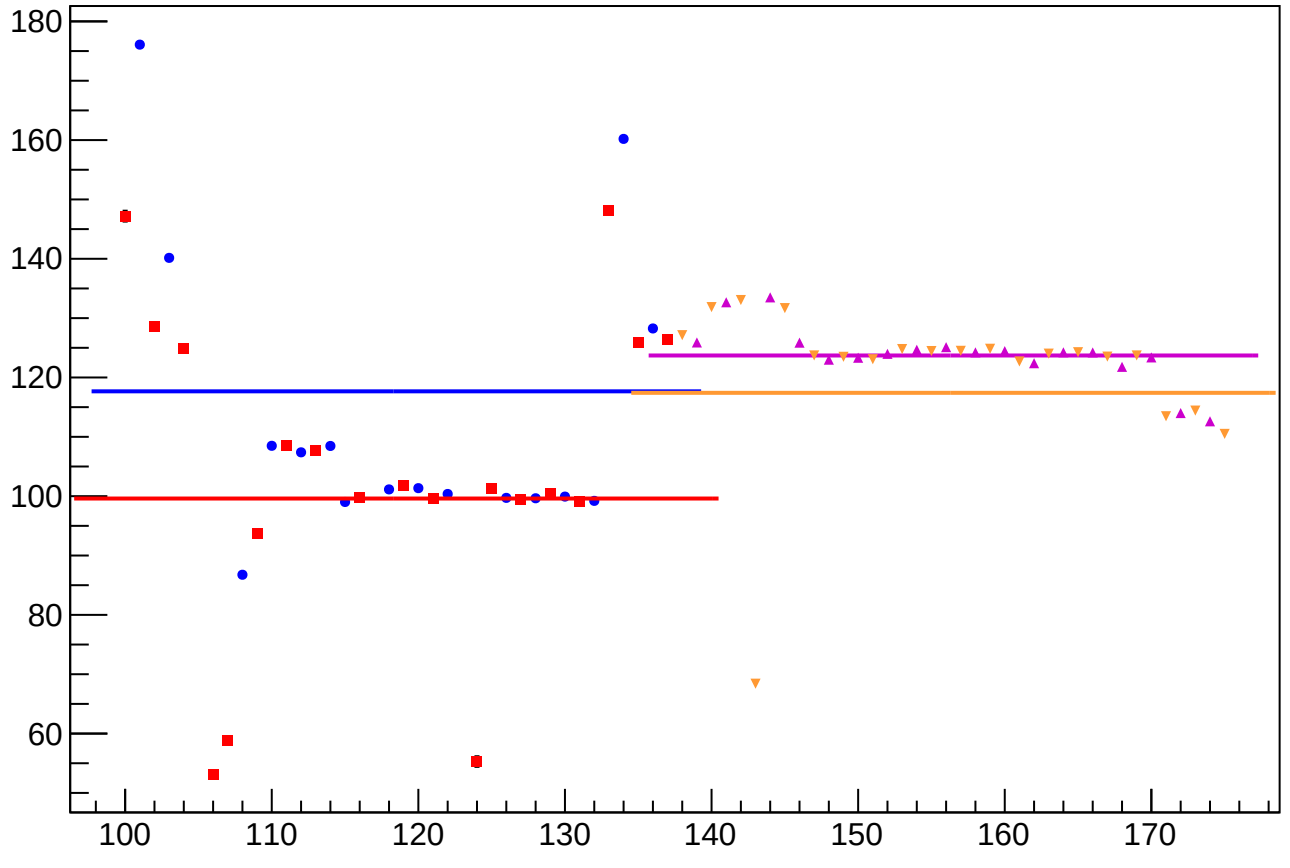
Left: -71.420+/-0.617 χ^2/NDF: 929.5/37

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.266+/-0.746 χ^2/NDF:686.3/33

Out: -71.246+/-0.691 χ^2/NDF:1212.8/38

All: -73.565+/-0.507 χ^2/NDF: 1923.4/72



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

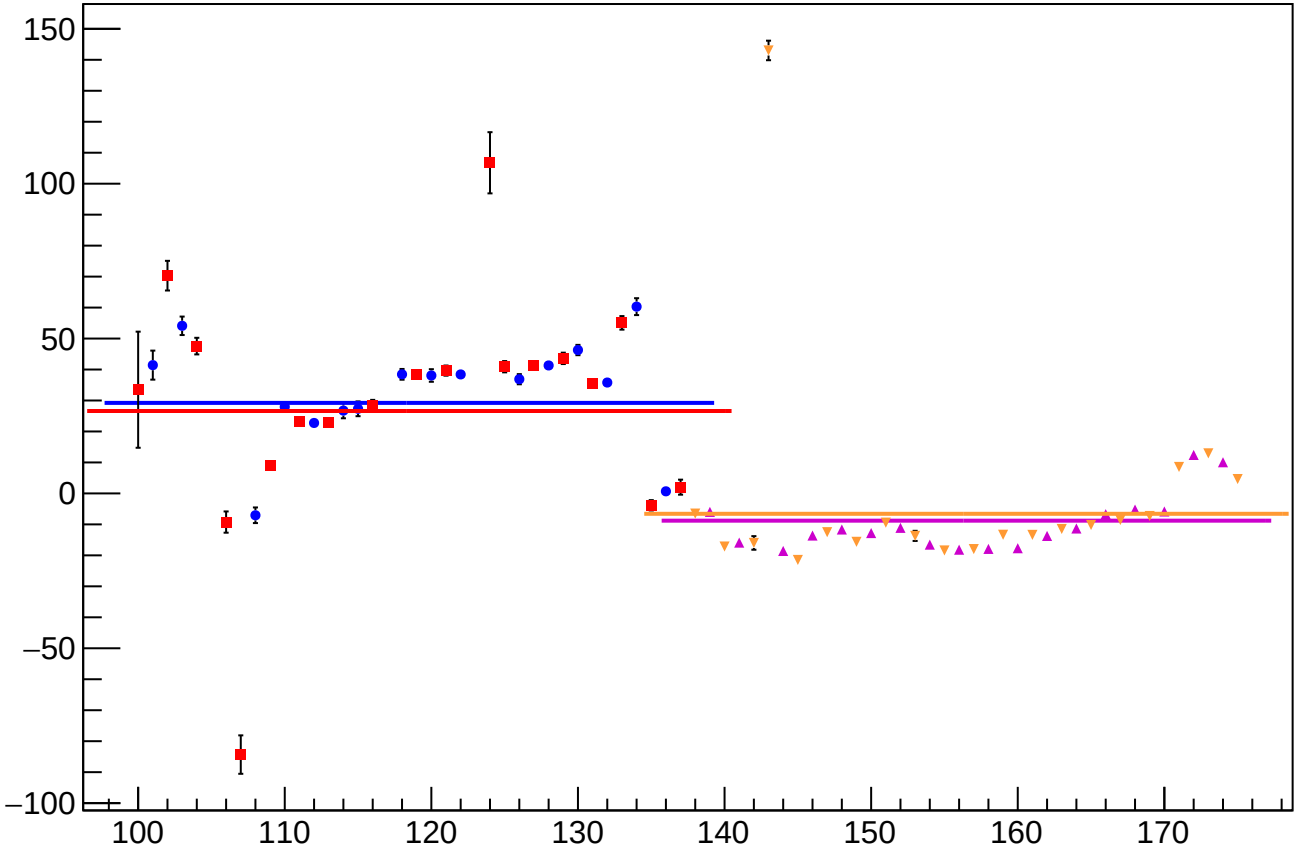
Left: 120.383+/-0.029 χ^2/NDF: 227119.7/37

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.361+/-0.037 χ^2/NDF:114134.9/33

Out: 113.127+/-0.034 χ^2/NDF:416059.6/38

All: 117.430+/-0.025 χ^2/NDF: 563589.2/72



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -6.582+/-0.320 χ^2/NDF:3157.2/19

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

Left: -7.655+/-0.230 χ^2/NDF: 3950.6/37

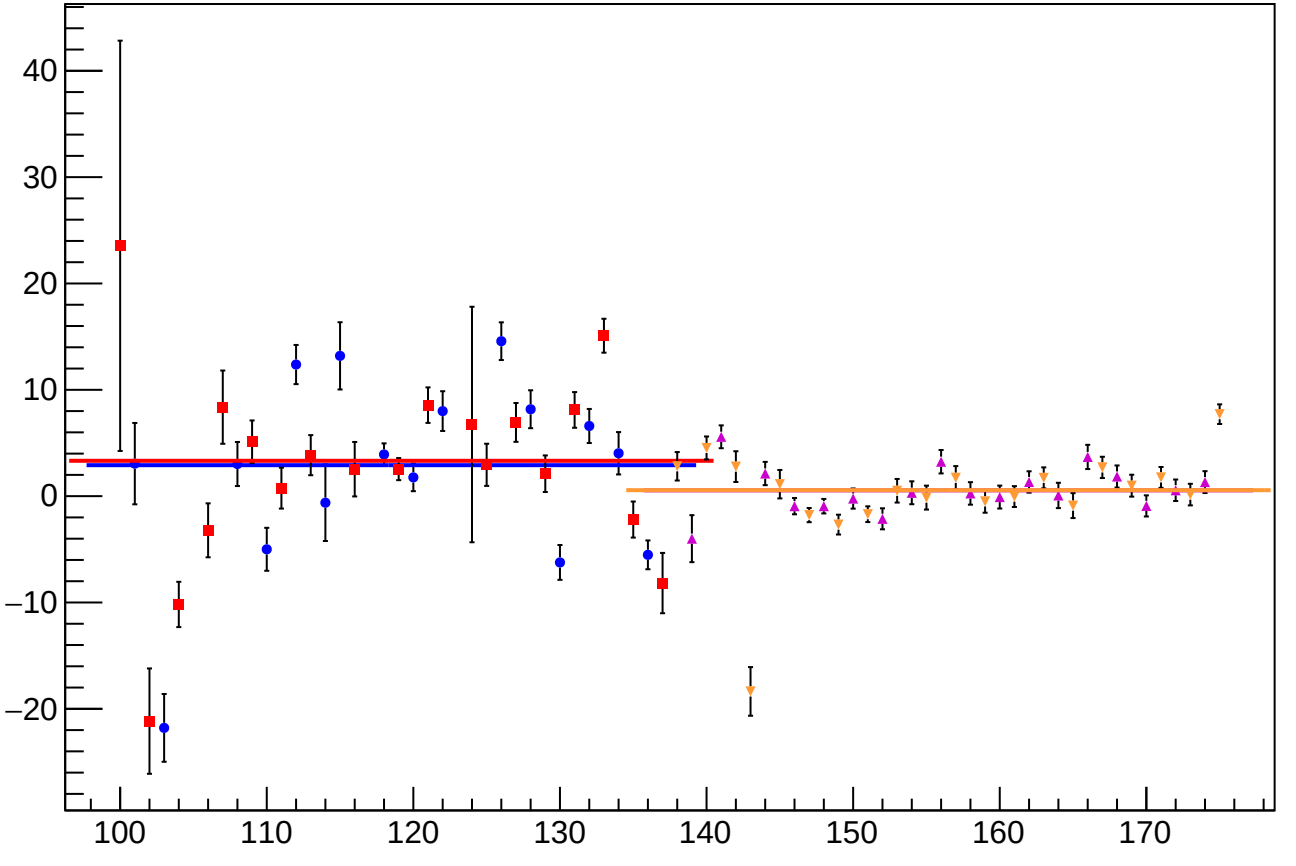
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.569+/-0.261 χ^2/NDF:7111.5/33

Out: 5.832+/-0.253 χ^2/NDF:9099.6/38

All: 5.704+/-0.182 χ^2/NDF: 16211.6/72

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.543+/-0.238 χ^2/NDF:63.9/17

Left: 0.552+/-0.165 χ^2/NDF: 257.0/37

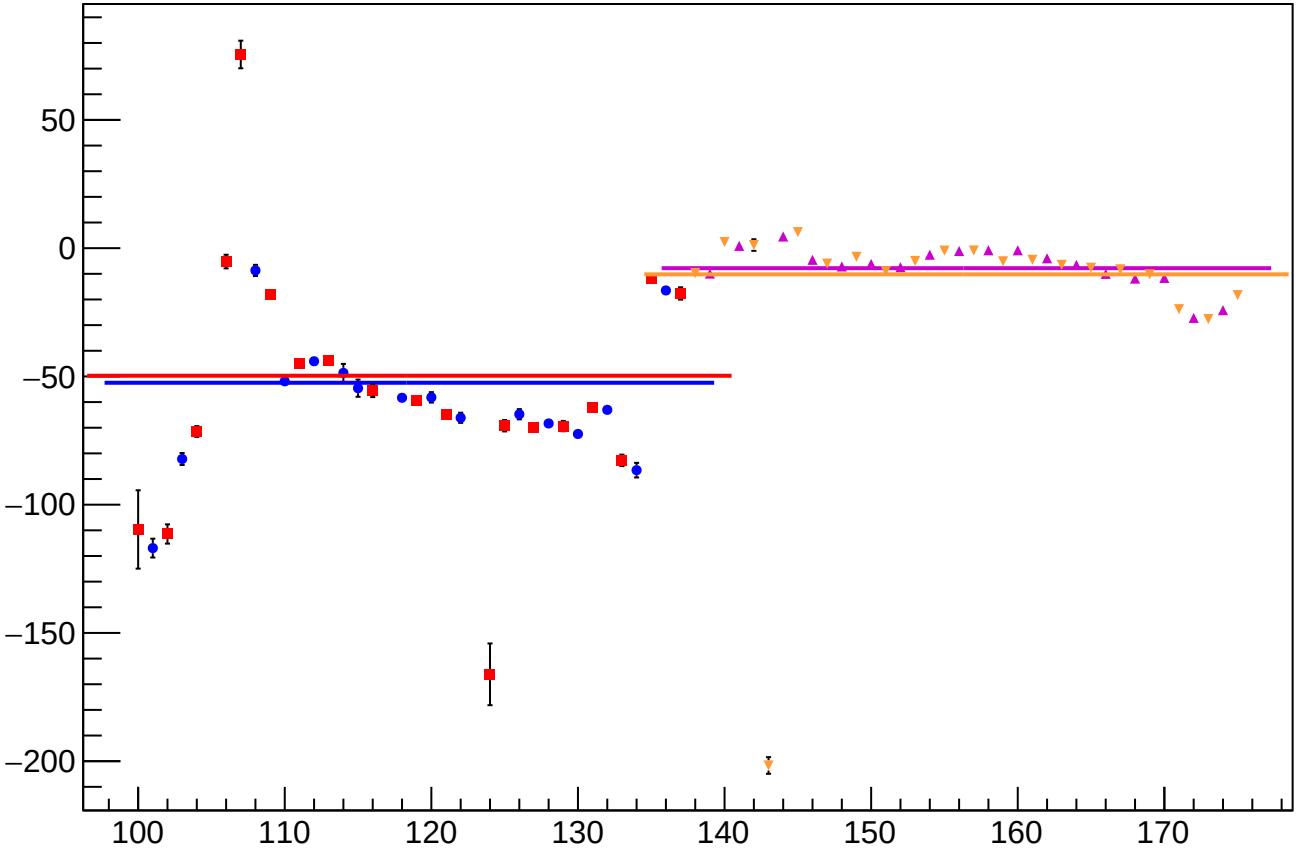
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.075+/-0.210 χ^2/NDF:336.2/33

Out: 1.122+/-0.204 χ^2/NDF:404.5/38

All: 1.099+/-0.146 χ^2/NDF: 740.6/72

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

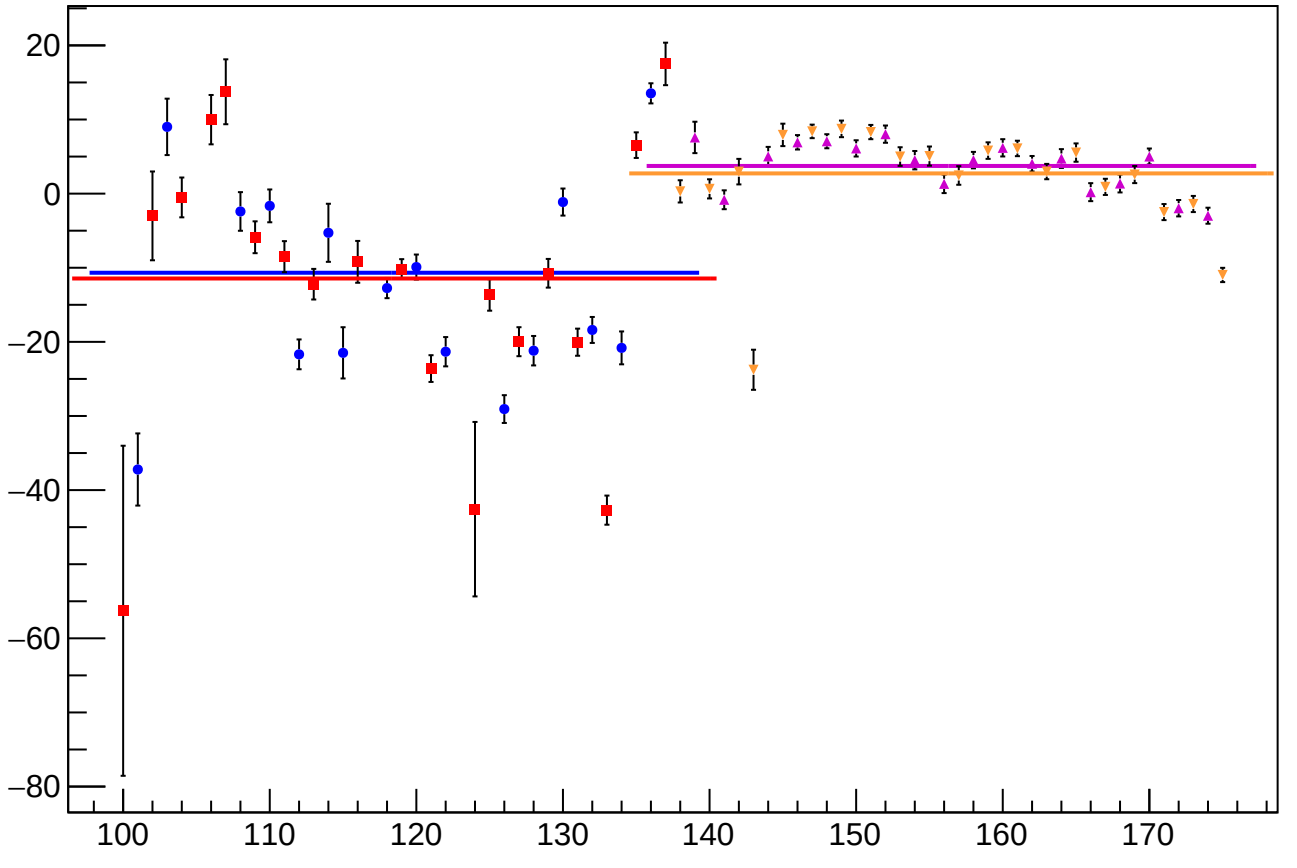
Left: -9.045+/-0.226 χ^2/NDF: 4833.1/37

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.552+/-0.271 χ^2/NDF:8724.3/33

Out: -21.595+/-0.265 χ^2/NDF:11780.8/38

All: -21.574+/-0.189 χ^2/NDF: 20505.2/72



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.728+/-0.262 χ^2/NDF:486.8/19

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

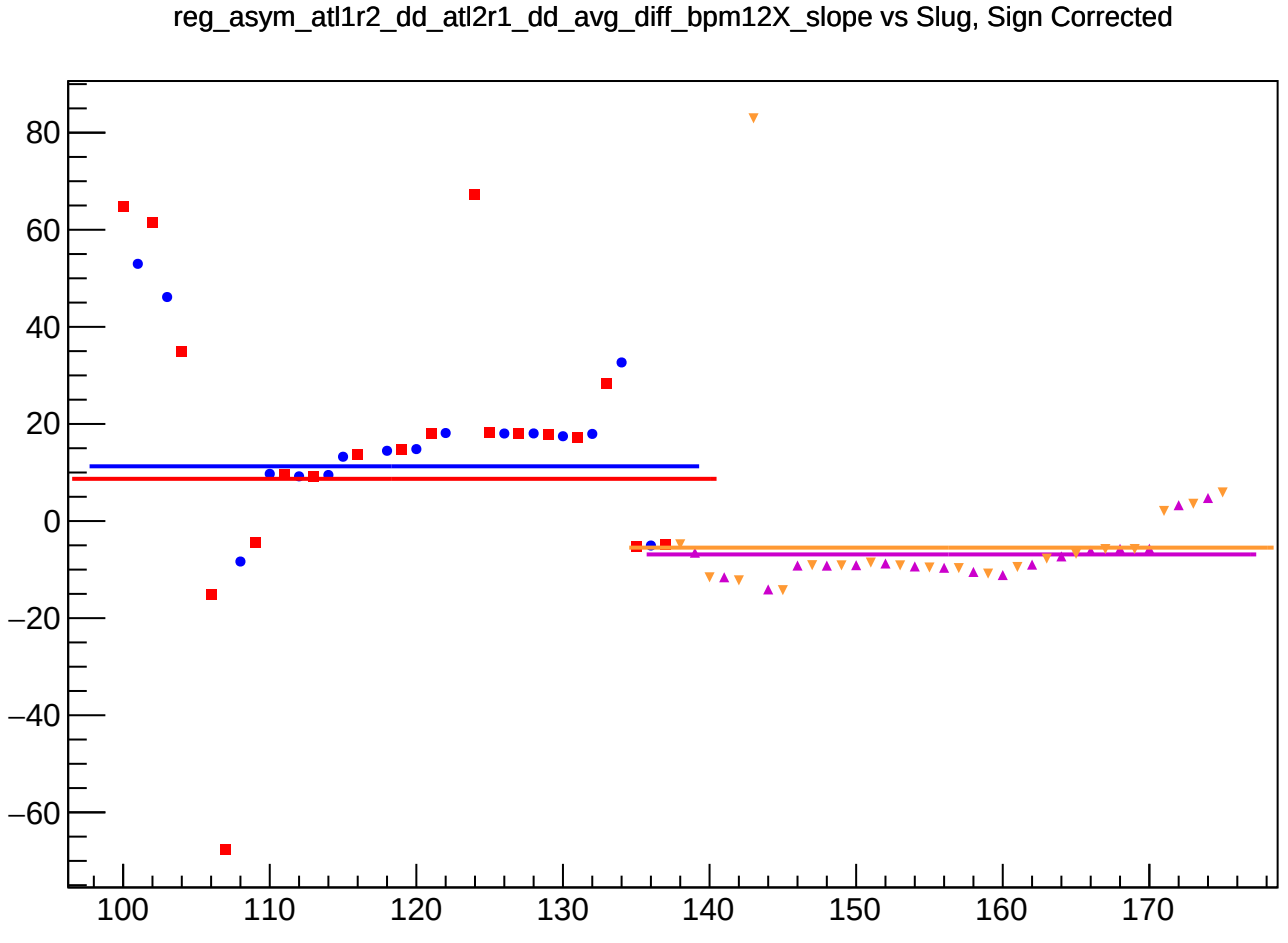
Left: 3.211+/-0.189 χ^2/NDF: 641.0/37

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.490+/-0.240 χ^2/NDF:1443.3/33

Out: -0.175+/-0.234 χ^2/NDF:1752.7/38

All: 0.148+/-0.167 χ^2/NDF: 3200.0/72



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

Left: -6.166+/-0.008 χ^2/NDF: 812771.7/37

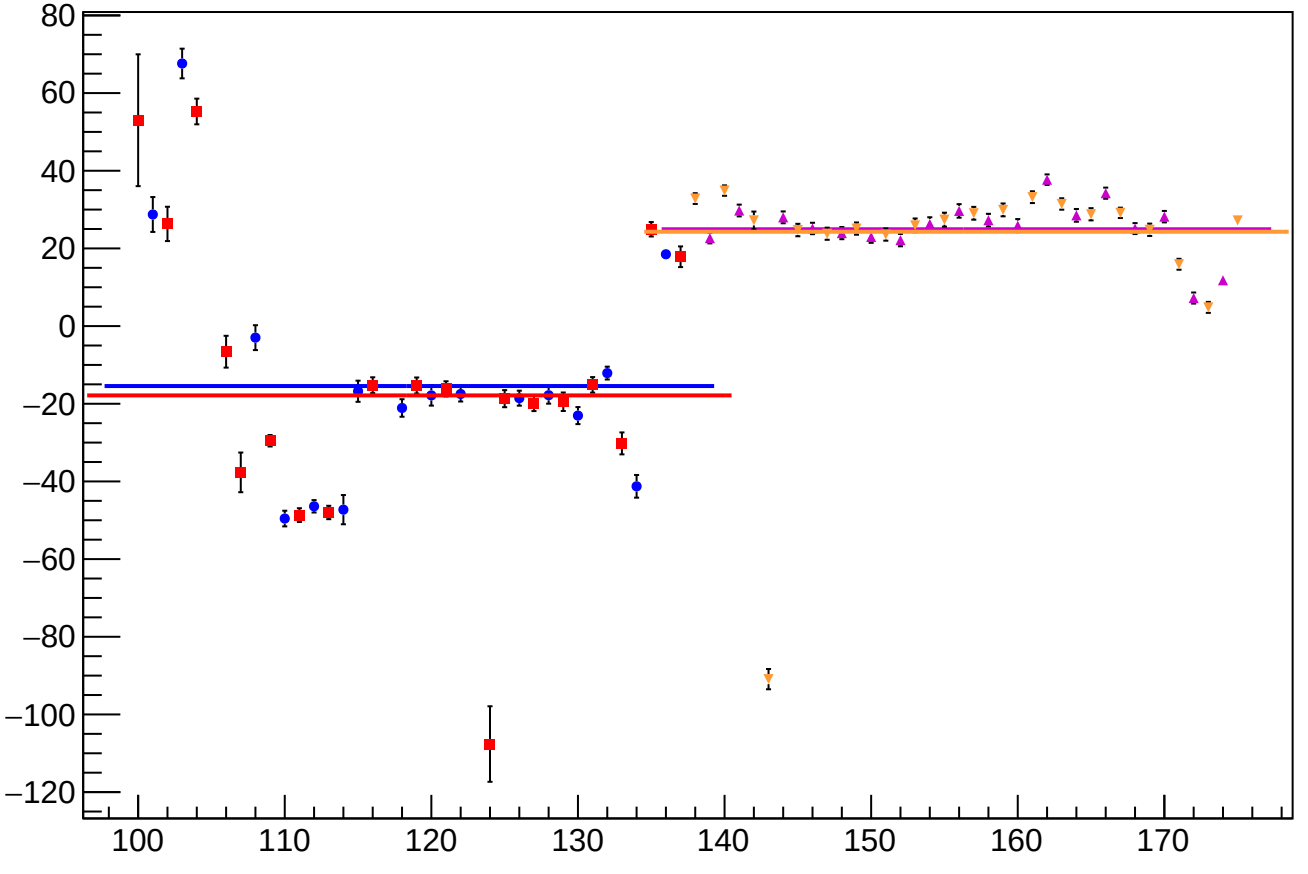
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.368+/-0.011 χ^2/NDF:827181.1/33

Out: -3.713+/-0.011 χ^2/NDF:1259502.7/38

All: -4.040+/-0.008 χ^2/NDF: 2088428.2/72

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.293+/-0.342 χ^2/NDF:2383.3/19

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

Left: 24.603+/-0.246 χ^2/NDF: 2825.2/37

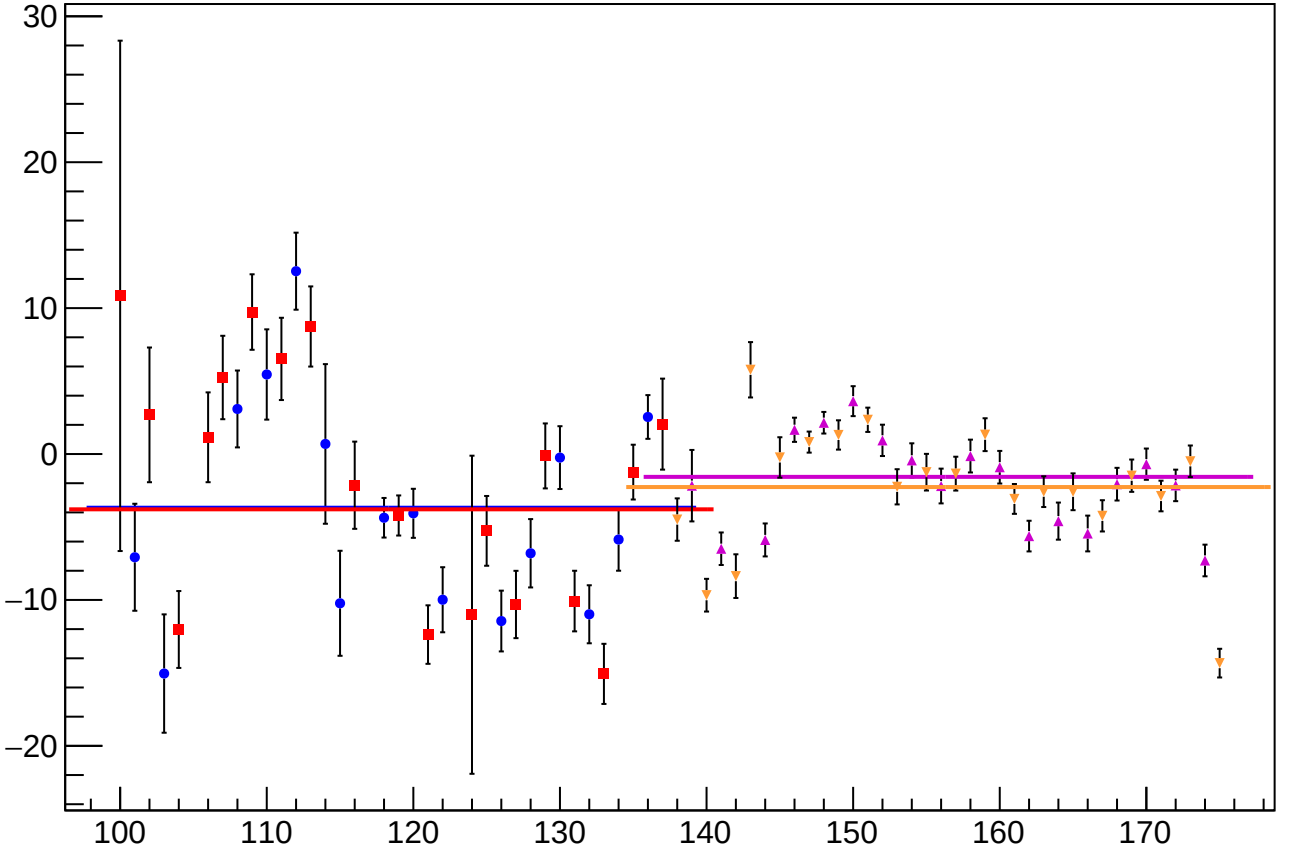
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 12.779+/-0.296 χ^2/NDF:6485.0/33

Out: 11.910+/-0.287 χ^2/NDF:8979.1/38

All: 12.332+/-0.206 χ^2/NDF: 15468.5/72

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.263+/-0.245 χ^2/NDF:314.2/19

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.565+/-0.254 χ^2/NDF:168.3/17

Left: -1.927+/-0.176 χ^2/NDF: 486.4/37

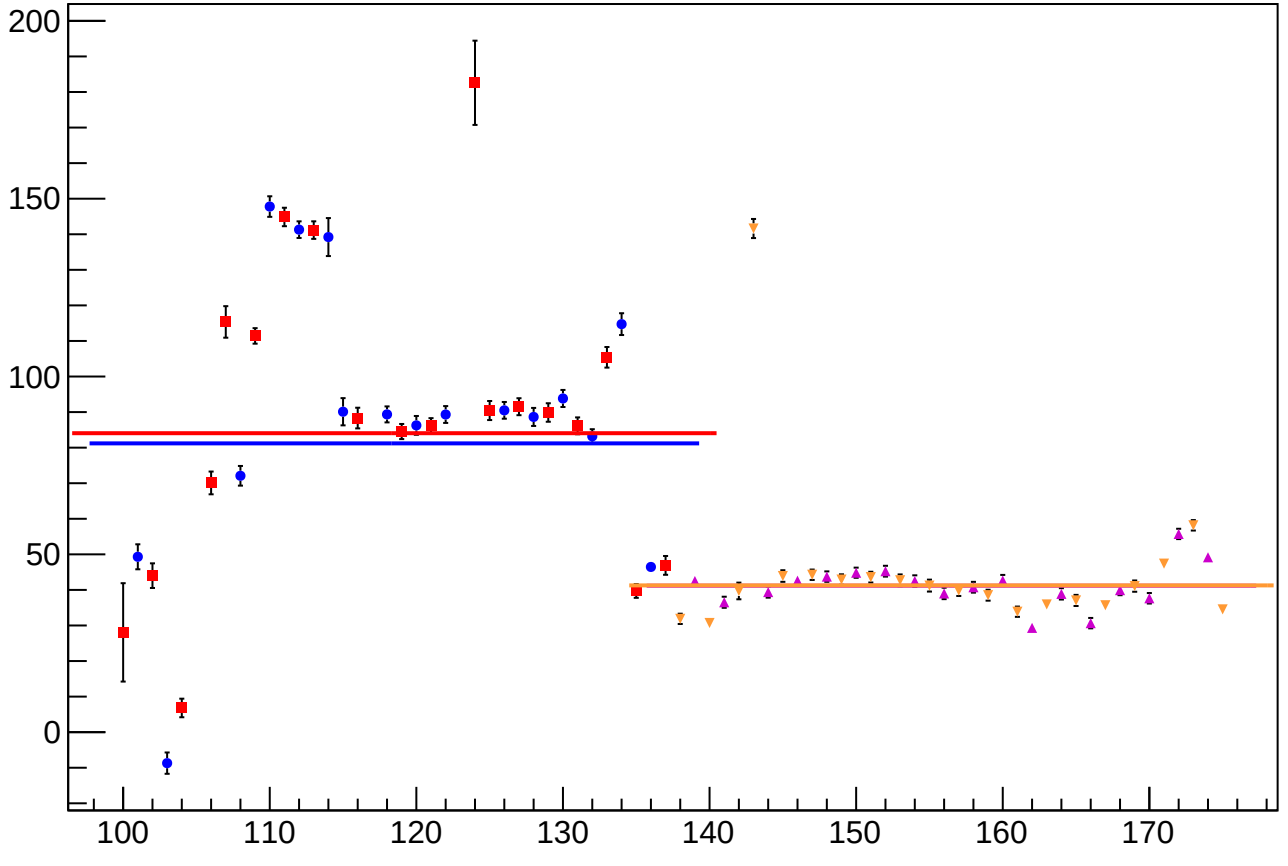
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.936+/-0.231 χ^2/NDF:304.4/33

Out: -2.505+/-0.225 χ^2/NDF:481.6/38

All: -2.229+/-0.161 χ^2/NDF: 789.1/72

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

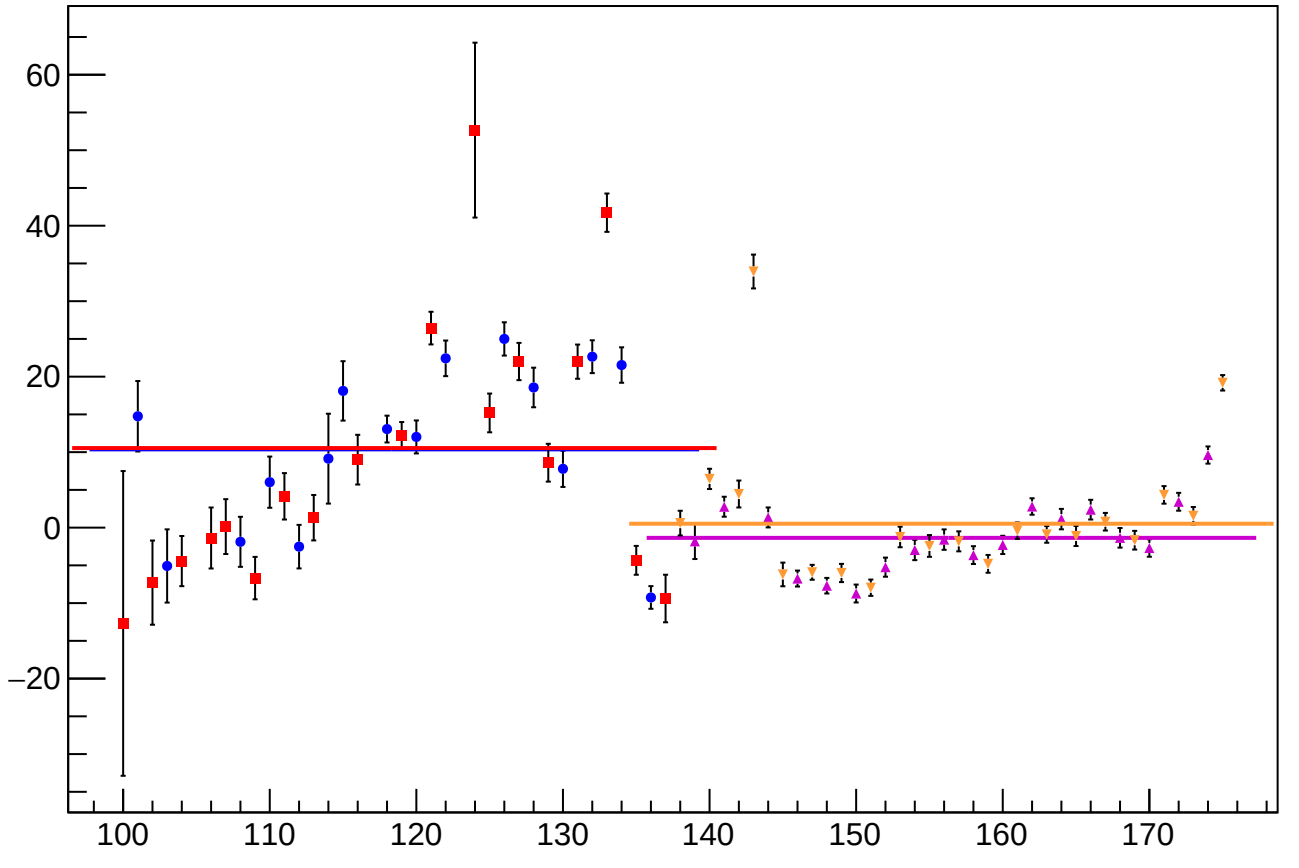
Left: 41.229+/-0.242 χ^2/NDF: 2080.5/37

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.089+/-0.302 χ^2/NDF:6811.7/33

Out: 51.067+/-0.295 χ^2/NDF:8694.2/38

All: 51.078+/-0.211 χ^2/NDF: 15505.9/72



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.516+/-0.280 χ^2/NDF:778.6/19

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.357+/-0.291 χ^2/NDF:268.3/17

Left: -0.383+/-0.202 χ^2/NDF: 1068.4/37

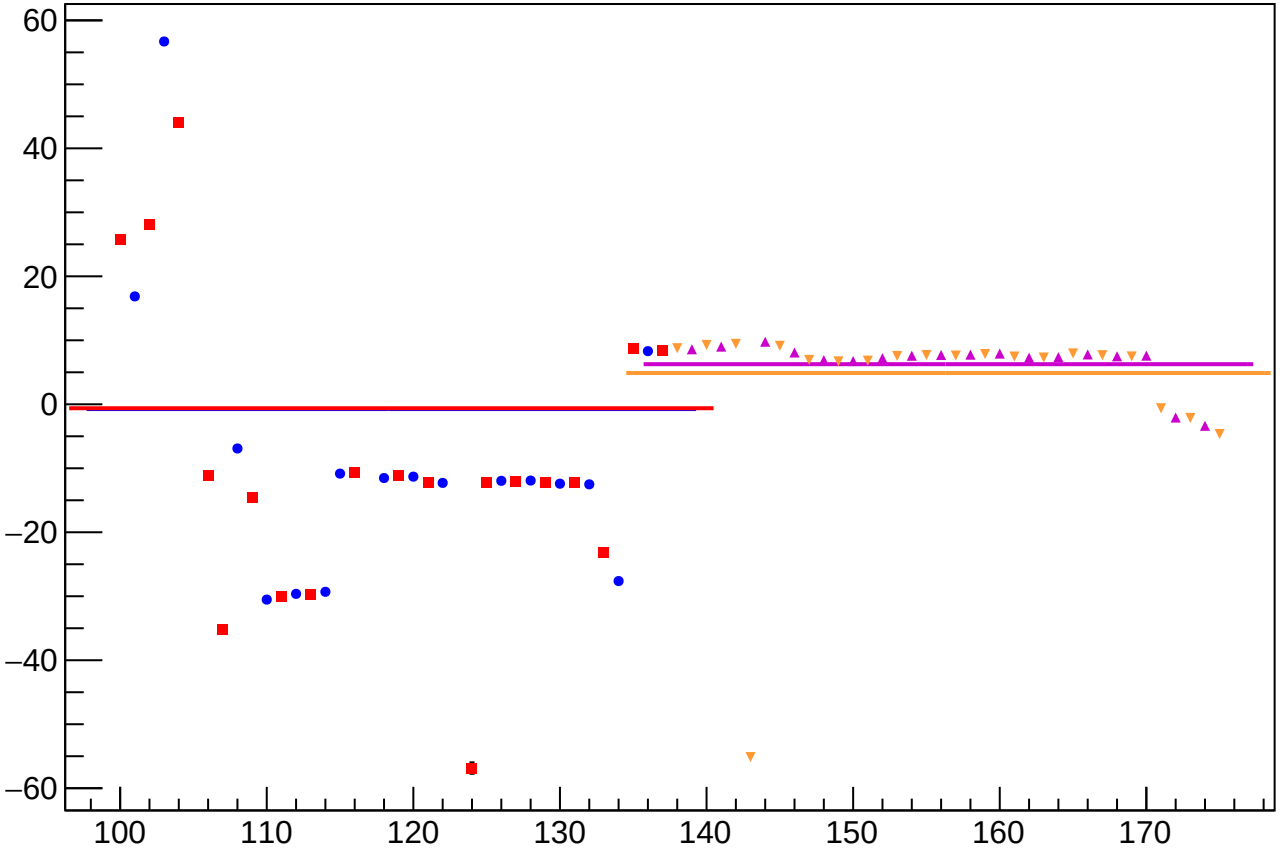
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.725+/-0.264 χ^2/NDF:916.0/33

Out: 2.124+/-0.256 χ^2/NDF:1455.1/38

All: 1.445+/-0.184 χ^2/NDF: 2385.5/72

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

Left: 5.568+/-0.009 χ^2/NDF: 493036.6/37

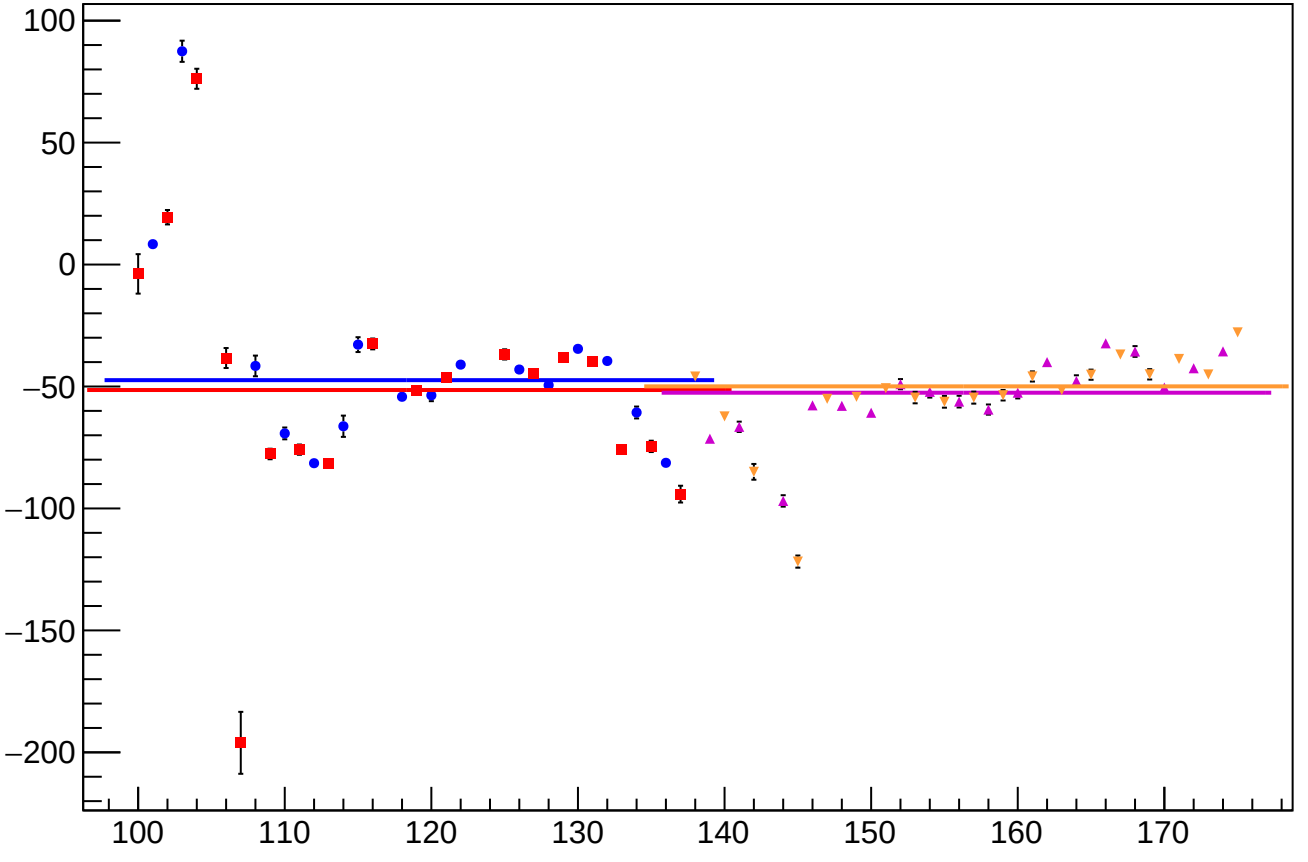
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.473+/-0.012 χ^2/NDF:485554.0/33

Out: 4.318+/-0.012 χ^2/NDF:739454.7/38

All: 4.891+/-0.009 χ^2/NDF: 1229616.1/72

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.945+/-0.457 χ^2/NDF:1401.3/18

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -52.550+/-0.471 χ^2/NDF:933.0/17

Left: -51.207+/-0.328 χ^2/NDF: 2350.0/36

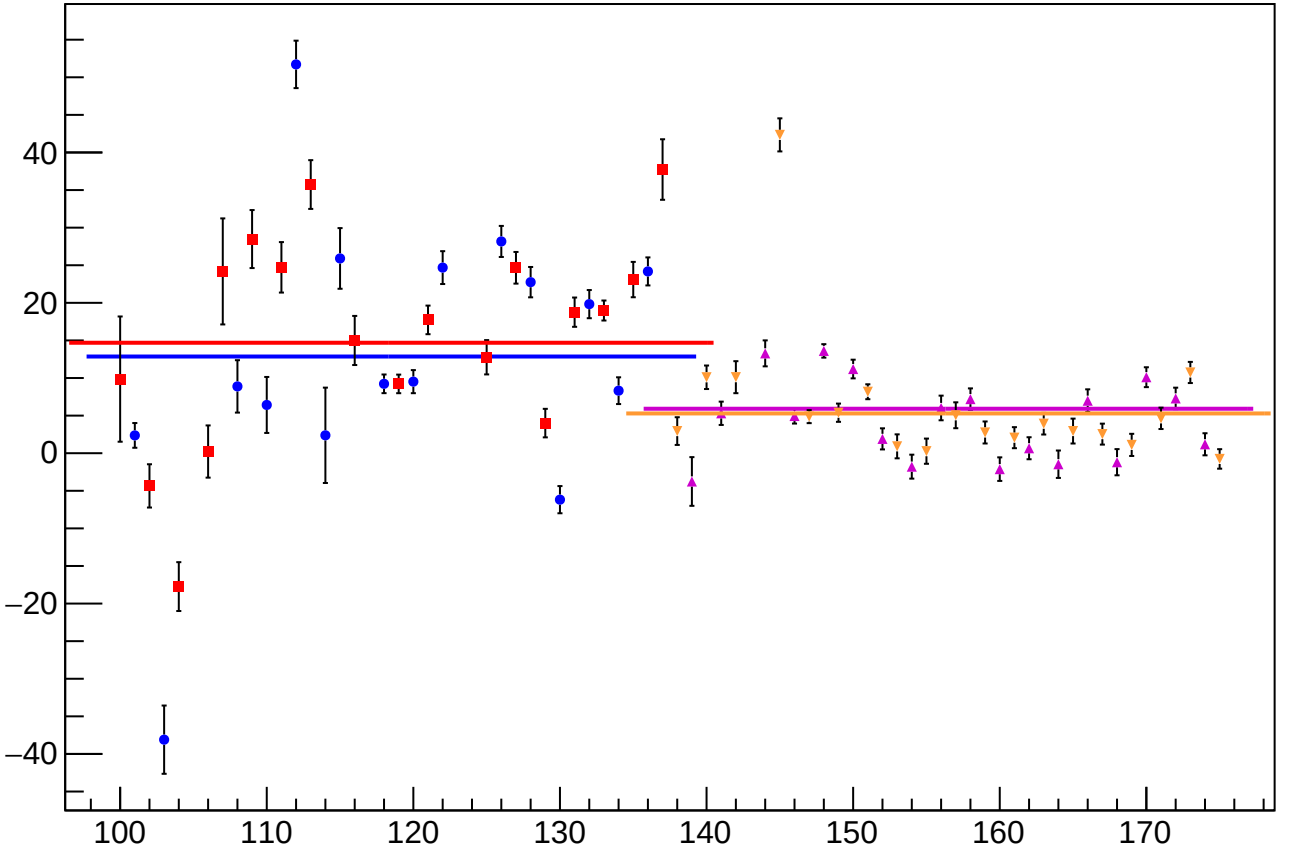
Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -50.300+/-0.354 χ^2/NDF:3754.2/33

Out: -50.563+/-0.350 χ^2/NDF:4278.5/36

All: -50.433+/-0.249 χ^2/NDF: 8033.0/70

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.288+/-0.322 χ^2/NDF:385.3/18

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.914+/-0.334 χ^2/NDF:246.4/17

Left: 5.589+/-0.232 χ^2/NDF: 633.6/36

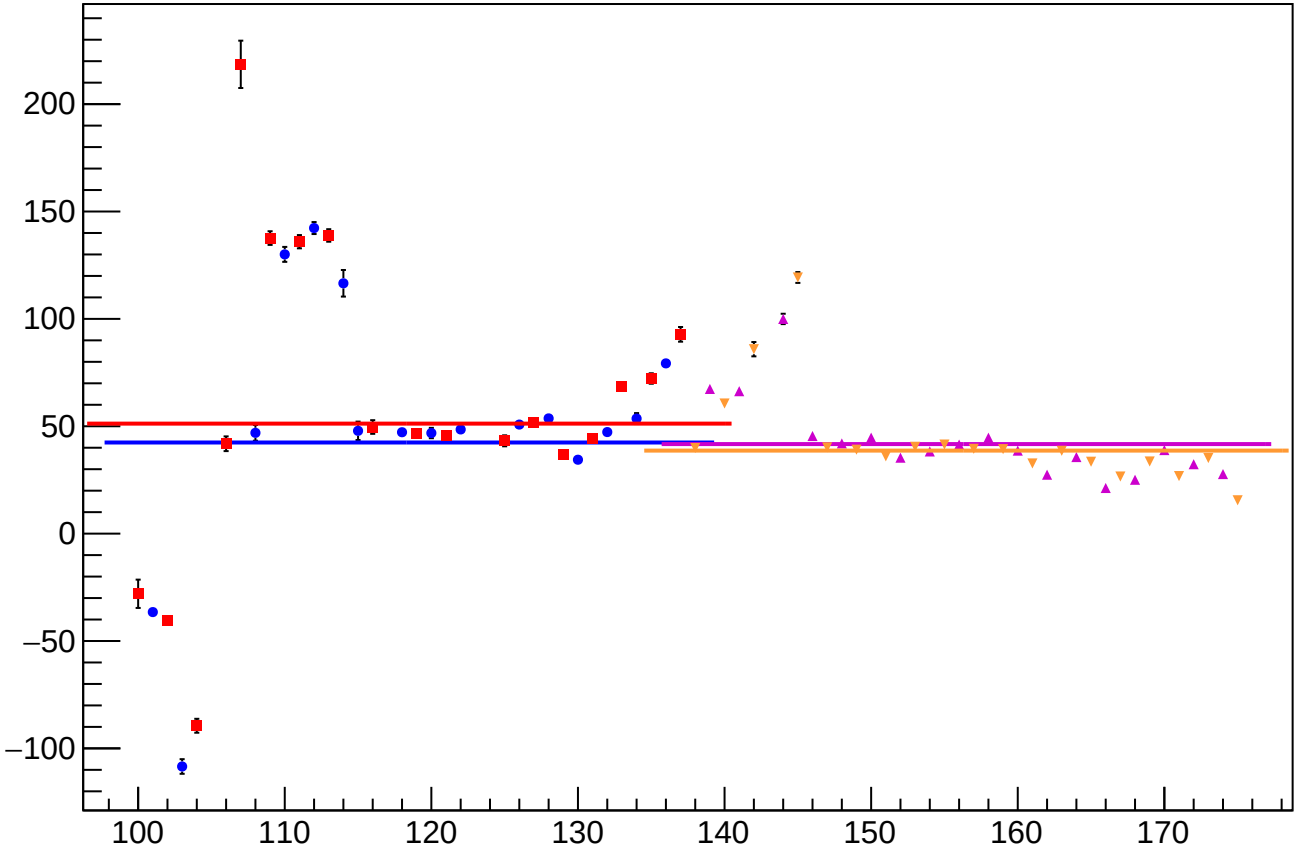
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.950+/-0.281 χ^2/NDF:998.6/33

Out: 7.726+/-0.277 χ^2/NDF:970.6/36

All: 7.836+/-0.197 χ^2/NDF: 1969.5/70

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 38.664+/-0.448 χ^2/NDF:1757.9/18

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 41.701+/-0.463 χ^2/NDF:1259.9/17

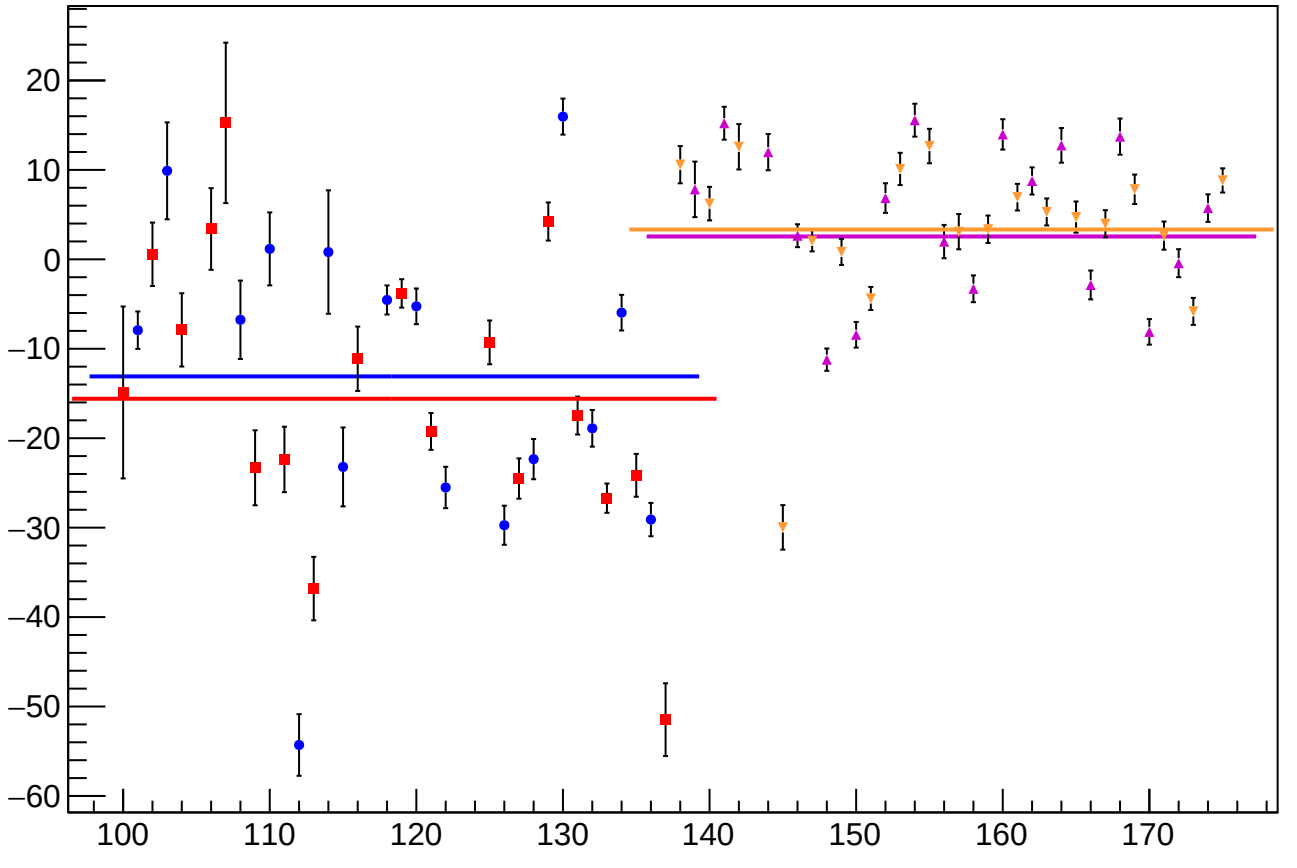
Left: 40.133+/-0.322 χ^2/NDF: 3040.0/36

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 41.984+/-0.363 χ^2/NDF:8429.8/33

Out: 43.021+/-0.362 χ^2/NDF:8641.8/36

All: 42.504+/-0.256 χ^2/NDF: 17075.7/70



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.336+/-0.370 χ^2/NDF:353.4/18

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.555+/-0.384 χ^2/NDF:519.6/17

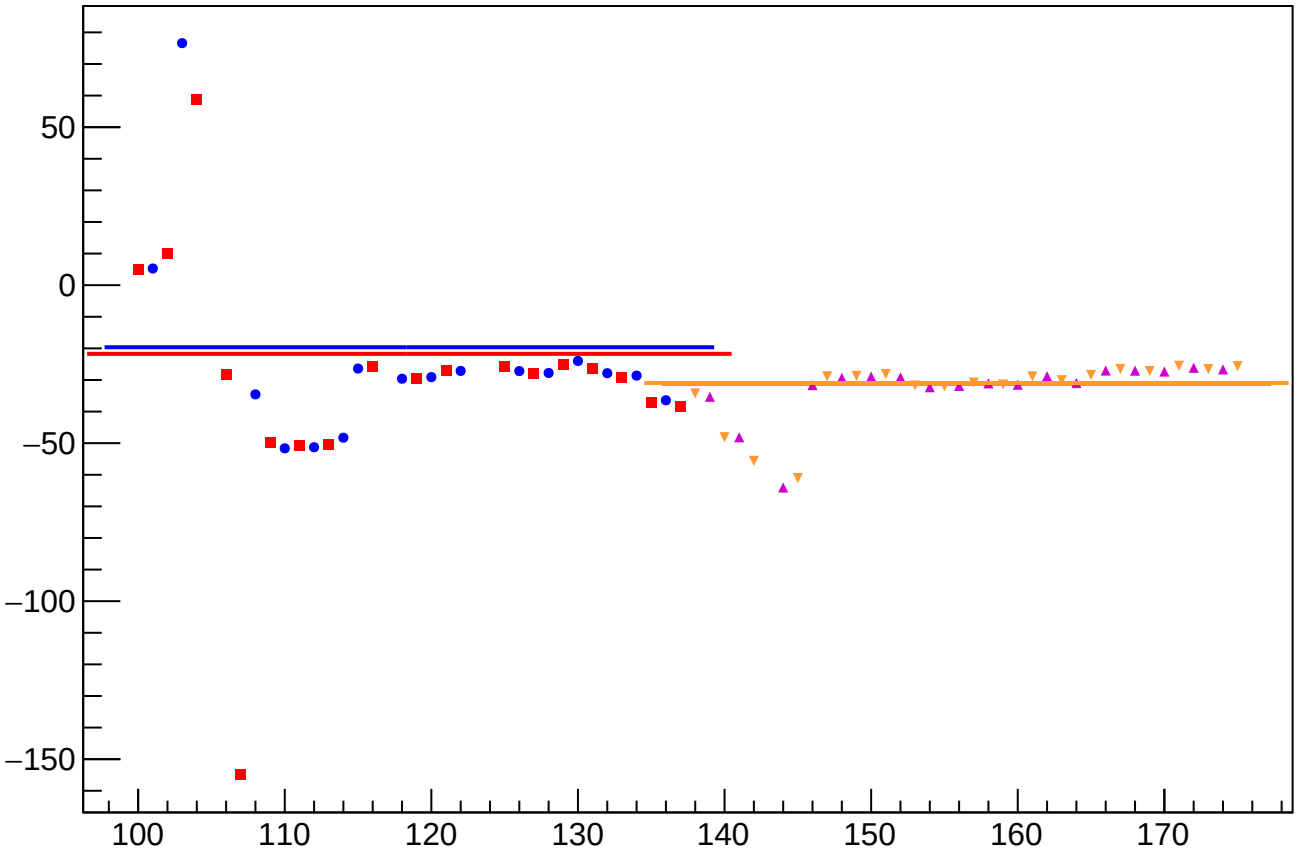
Left: 2.960+/-0.267 χ^2/NDF: 875.2/36

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.999+/-0.324 χ^2/NDF:1642.0/33

Out: -1.563+/-0.319 χ^2/NDF:1430.8/36

All: -1.778+/-0.227 χ^2/NDF: 3073.7/70



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.967+/-0.017 χ^2/NDF:197857.5/18

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -31.127+/-0.017 χ^2/NDF:157237.2/17

Left: -31.047+/-0.012 χ^2/NDF: 355139.1/36

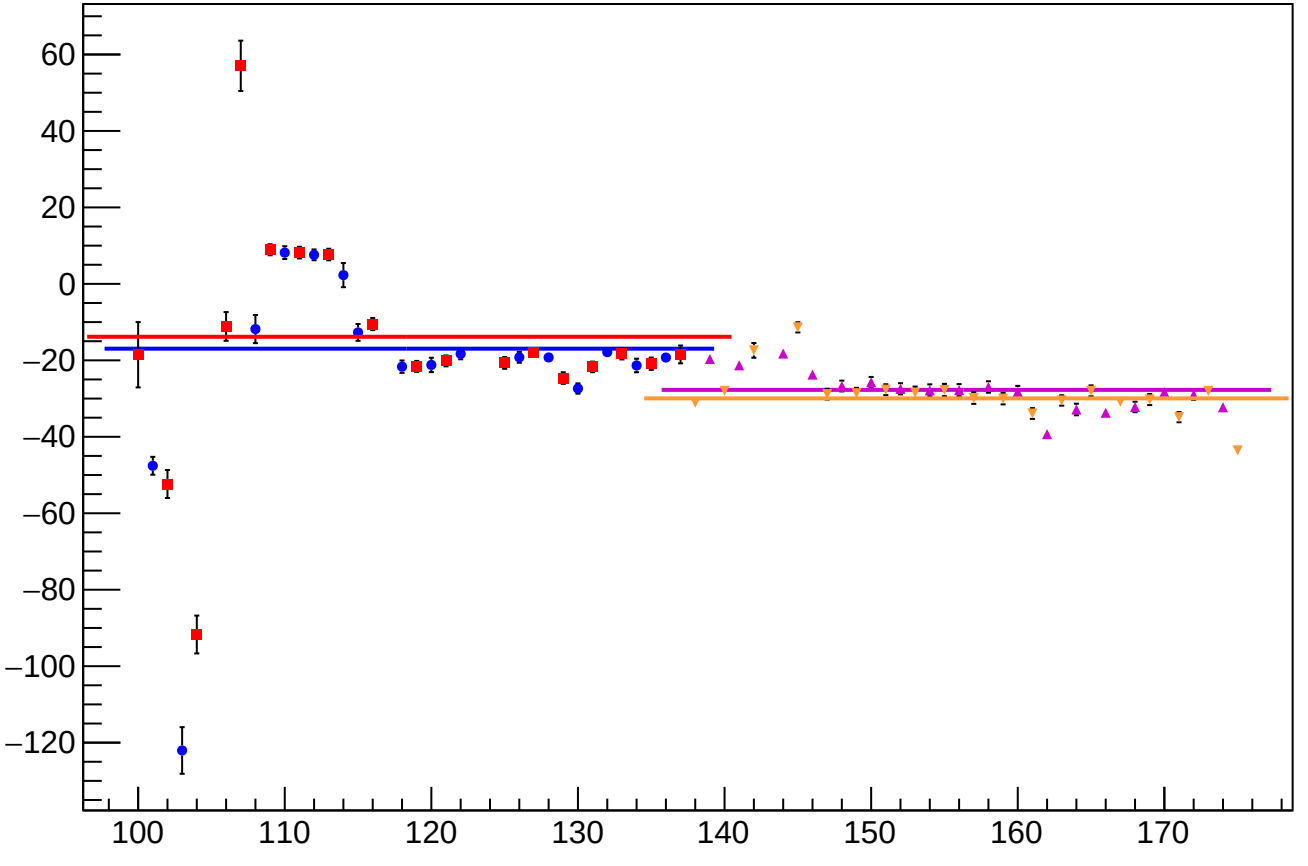
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.023+/-0.015 χ^2/NDF:886752.1/33

Out: -29.490+/-0.016 χ^2/NDF:791912.9/36

All: -29.255+/-0.011 χ^2/NDF: 1679118.5/70

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -29.951+/-0.312 χ^2/NDF:471.0/18

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -27.728+/-0.320 χ^2/NDF:282.9/17

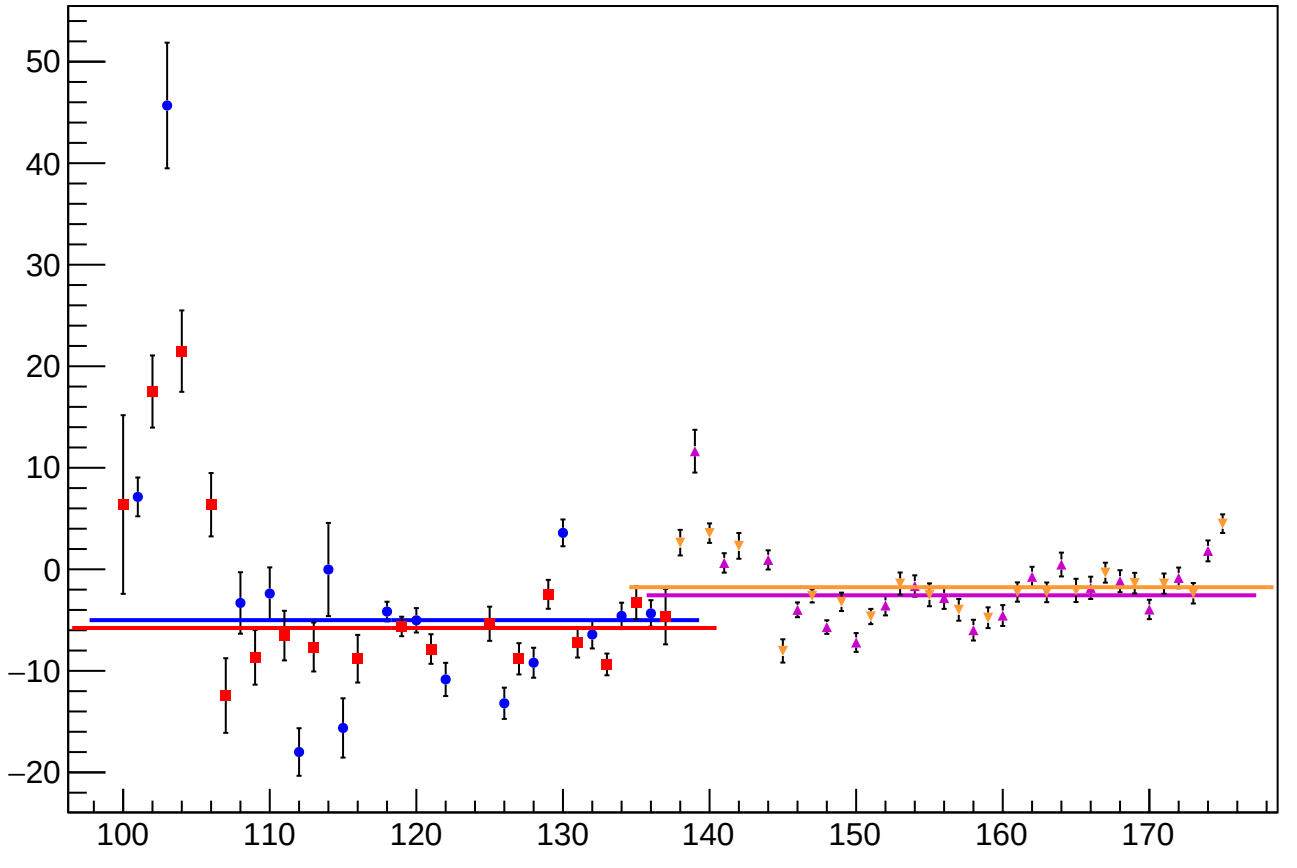
Left: -28.868+/-0.223 χ^2/NDF: 778.7/36

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -23.573+/-0.251 χ^2/NDF:1848.8/33

Out: -24.033+/-0.248 χ^2/NDF:2785.4/36

All: -23.805+/-0.176 χ^2/NDF: 4636.0/70



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.761+/-0.223 χ^2/NDF:165.4/18

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.558+/-0.230 χ^2/NDF:173.1/17

Left: -2.147+/-0.160 χ^2/NDF: 344.8/36

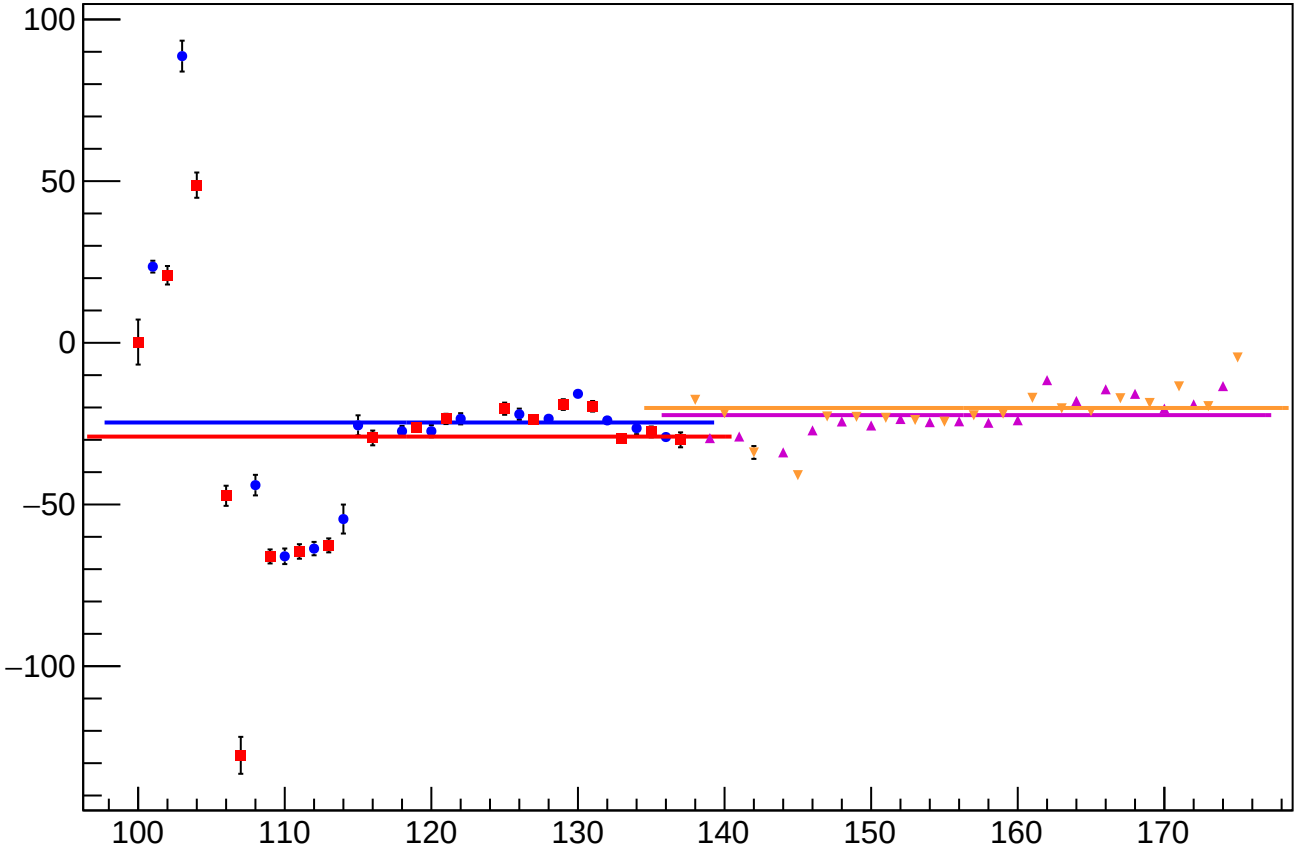
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.164+/-0.200 χ^2/NDF:448.9/33

Out: -2.649+/-0.197 χ^2/NDF:376.3/36

All: -2.903+/-0.140 χ^2/NDF: 828.5/70

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -20.151+/-0.306 χ^2/NDF:618.5/18

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -22.361+/-0.315 χ^2/NDF:372.7/17

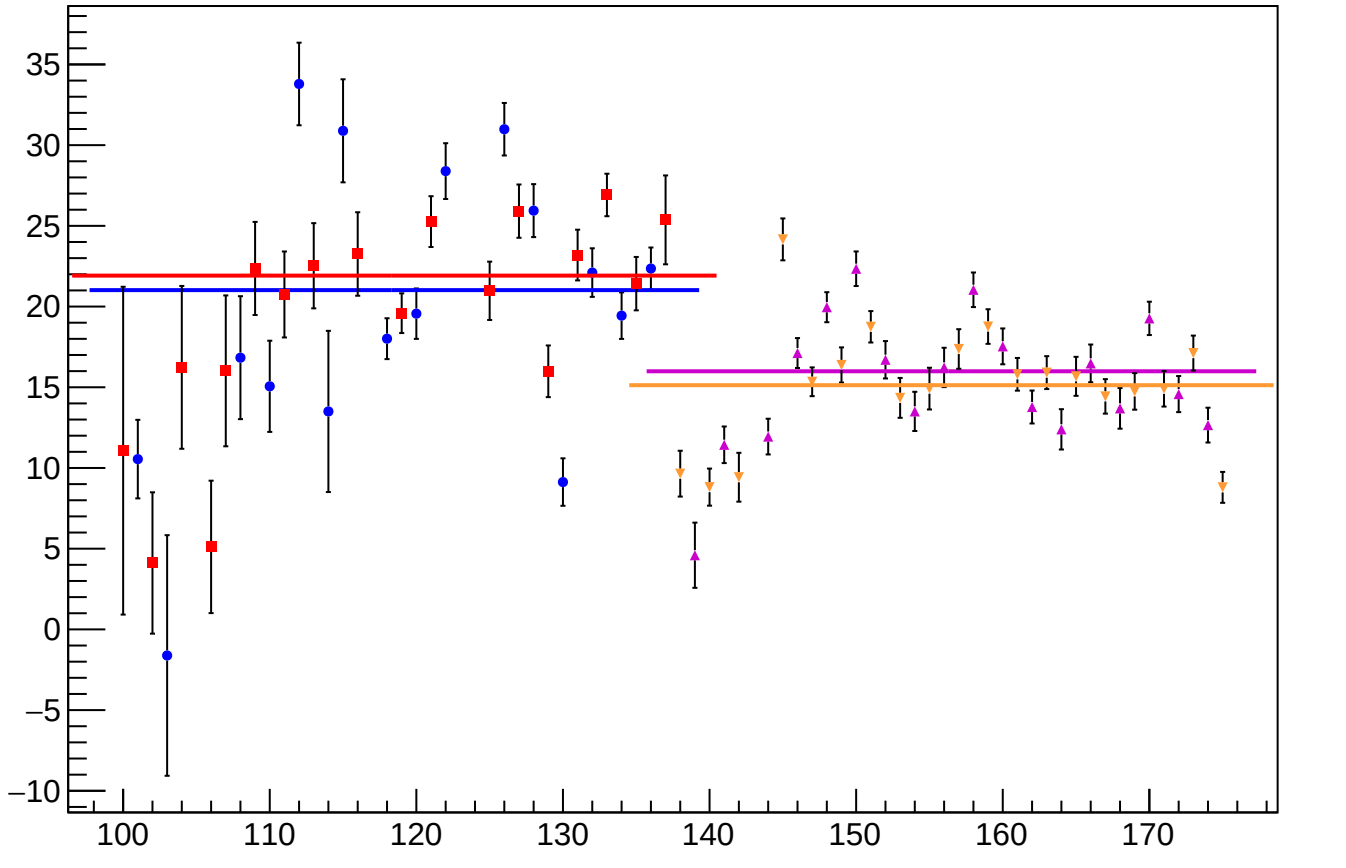
Left: -21.226+/-0.220 χ^2/NDF: 1016.5/36

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.099+/-0.259 χ^2/NDF:2441.5/33

Out: -22.751+/-0.258 χ^2/NDF:2815.9/36

All: -22.924+/-0.183 χ^2/NDF: 5258.3/70



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.129+/-0.256 χ^2/NDF:187.1/18

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.991+/-0.264 χ^2/NDF:182.7/17

Left: 15.547+/-0.184 χ^2/NDF: 375.2/36

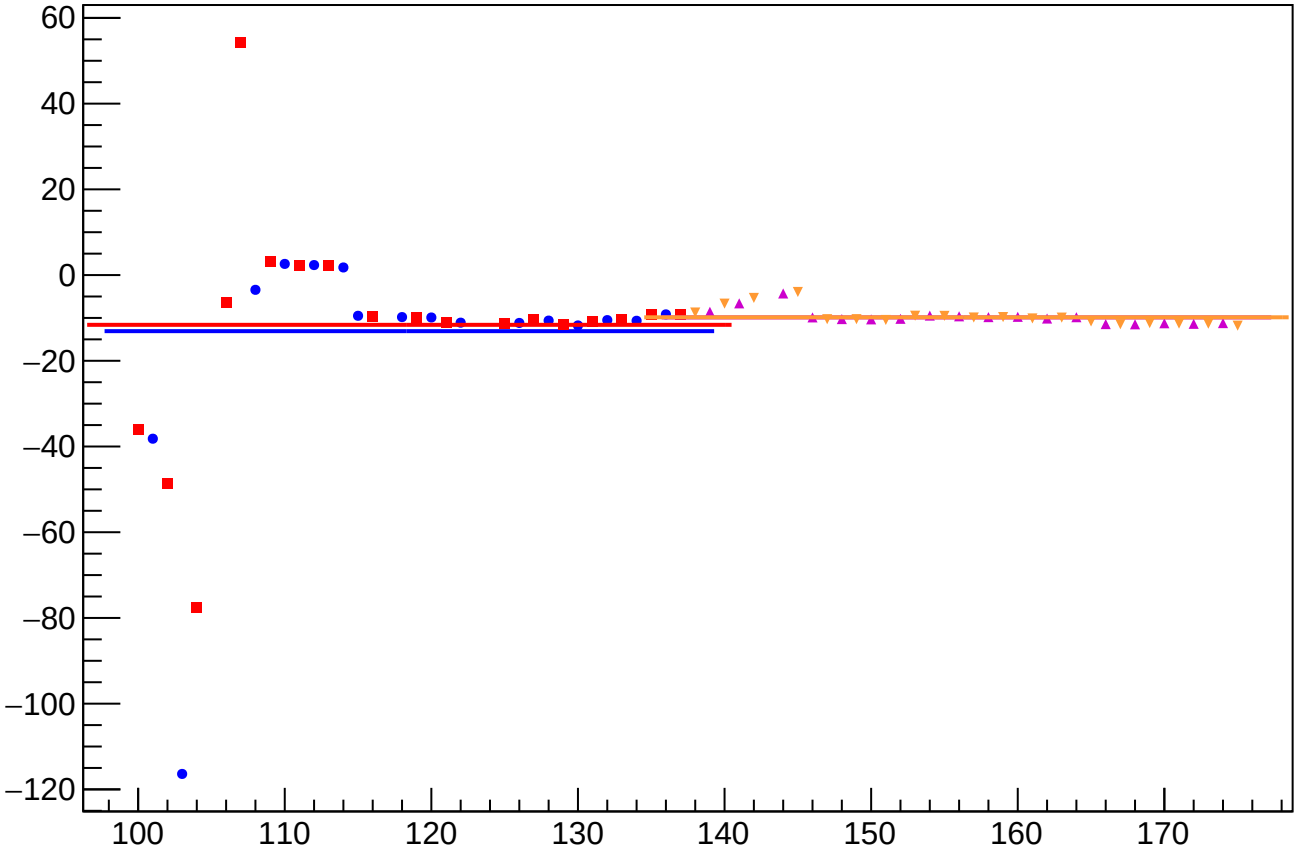
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.243+/-0.229 χ^2/NDF:482.7/33

Out: 16.639+/-0.226 χ^2/NDF:426.2/36

All: 16.937+/-0.161 χ^2/NDF: 912.4/70

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.854+/-0.012 χ^2/NDF:26067.6/18

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.880+/-0.012 χ^2/NDF:18722.0/17

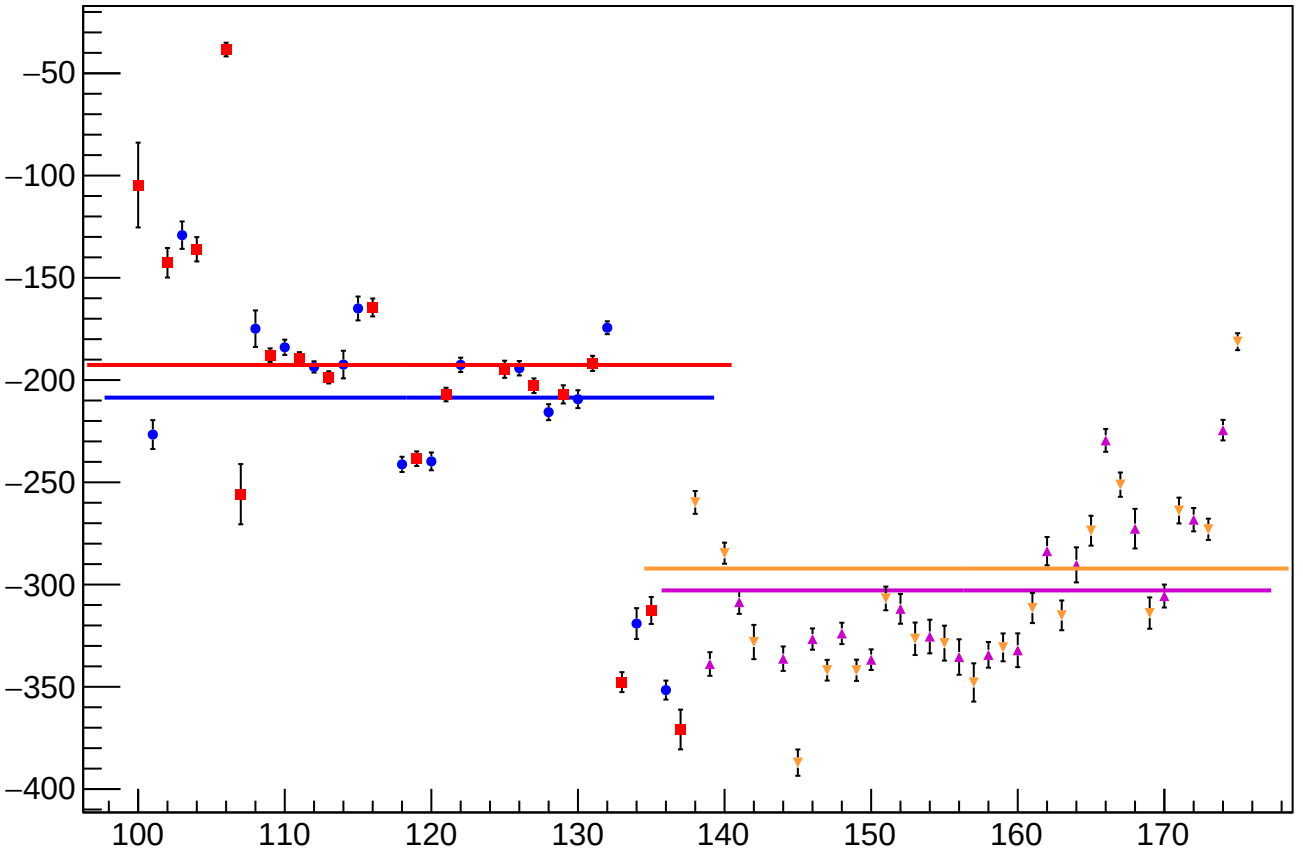
Left: -9.867+/-0.008 χ^2/NDF: 44792.1/36

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.341+/-0.011 χ^2/NDF:374566.9/33

Out: -10.070+/-0.011 χ^2/NDF:343085.9/36

All: -10.206+/-0.008 χ^2/NDF: 717967.7/70



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -292.166+/-1.417 χ^2/NDF:1398.1/18

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -302.862+/-1.463 χ^2/NDF:686.5/17

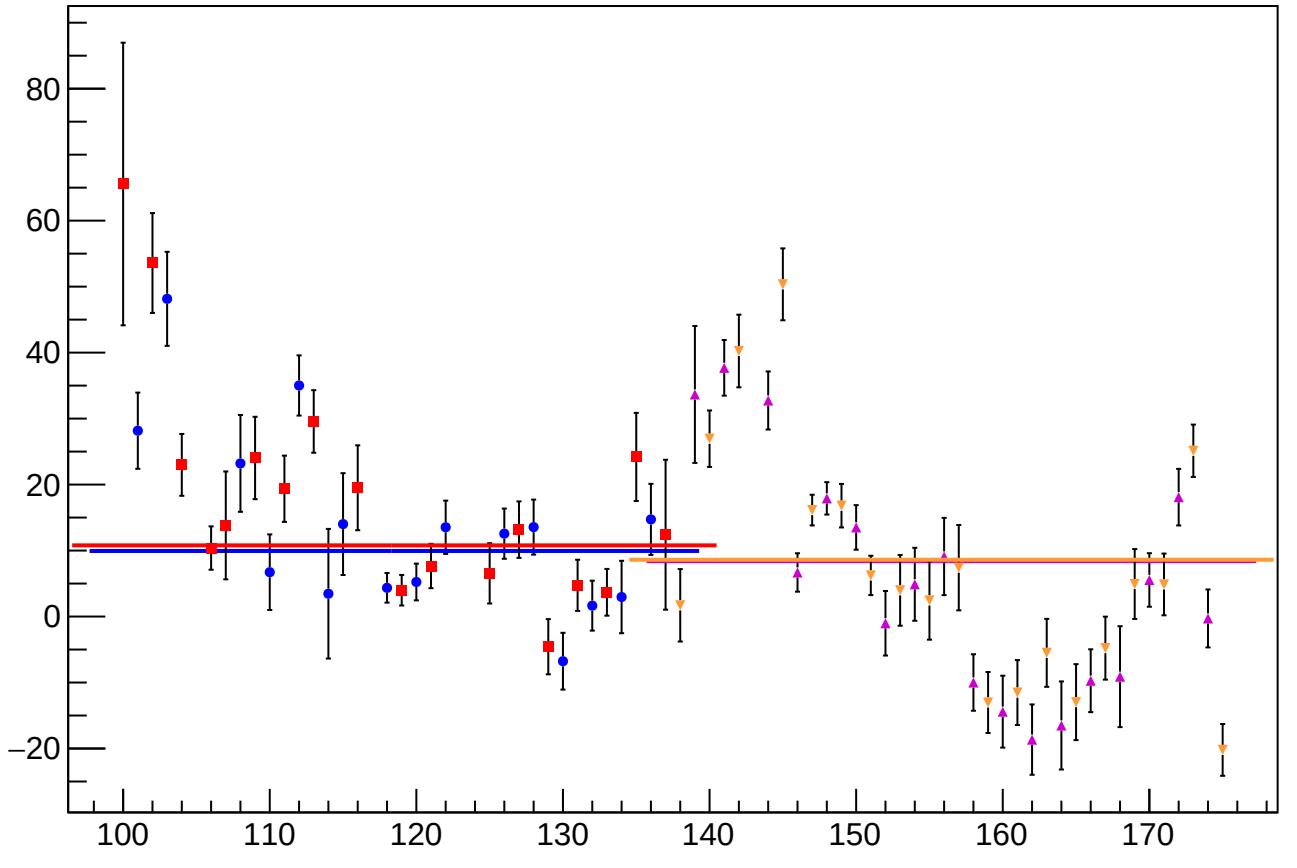
Left: -297.342+/-1.018 χ^2/NDF: 2112.1/36

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -241.287+/-0.862 χ^2/NDF:5148.0/33

Out: -225.659+/-0.816 χ^2/NDF:8902.0/36

All: -233.049+/-0.593 χ^2/NDF: 14223.2/70



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.609+/-0.980 χ^2/NDF:271.3/18

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.391+/-1.017 χ^2/NDF:211.4/17

Left: 8.504+/-0.706 χ^2/NDF: 482.8/36

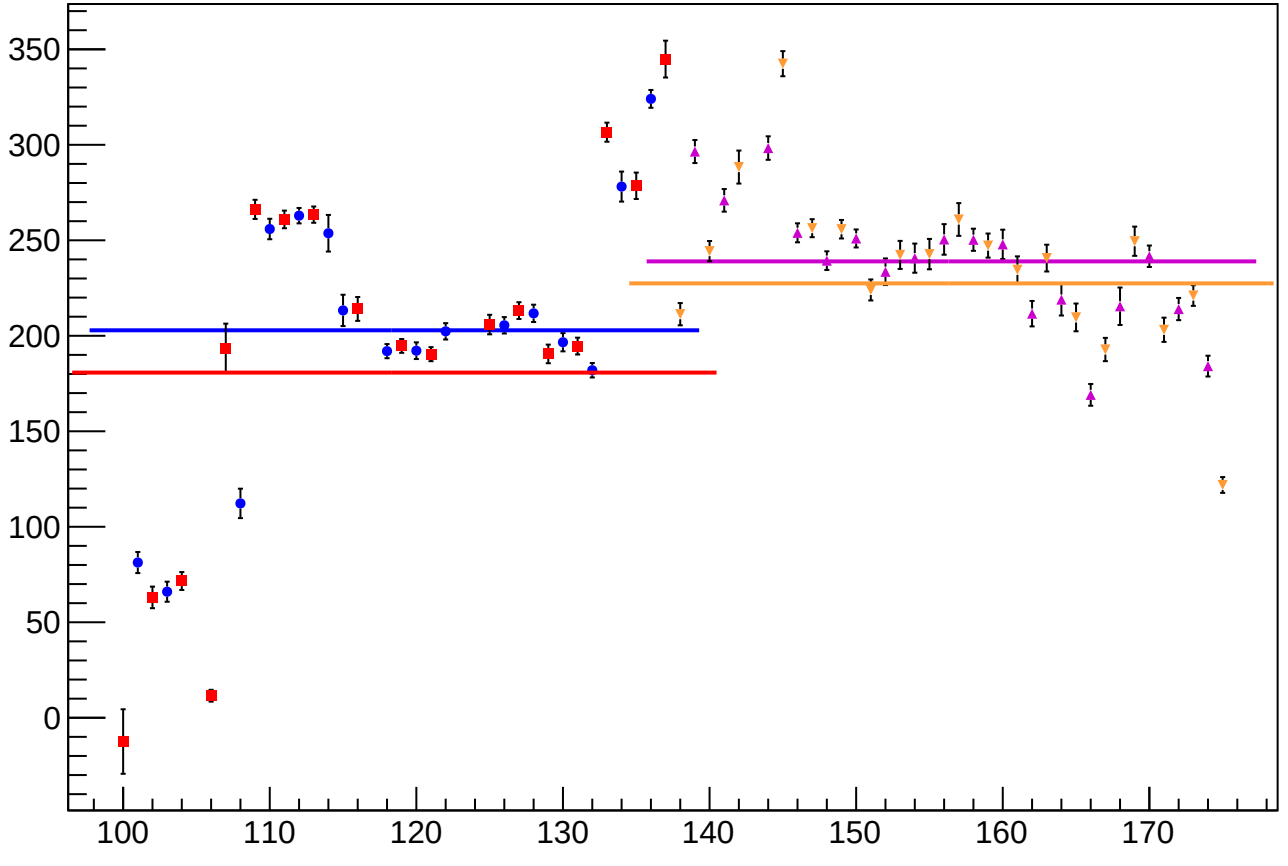
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.129+/-0.736 χ^2/NDF:319.1/33

Out: 9.630+/-0.714 χ^2/NDF:378.7/36

All: 9.387+/-0.513 χ^2/NDF: 698.1/70

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 227.439+/-1.392 χ^2/NDF:1197.3/18

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 238.960+/-1.439 χ^2/NDF:535.8/17

Left: 233.008+/-1.000 χ^2/NDF: 1766.2/36

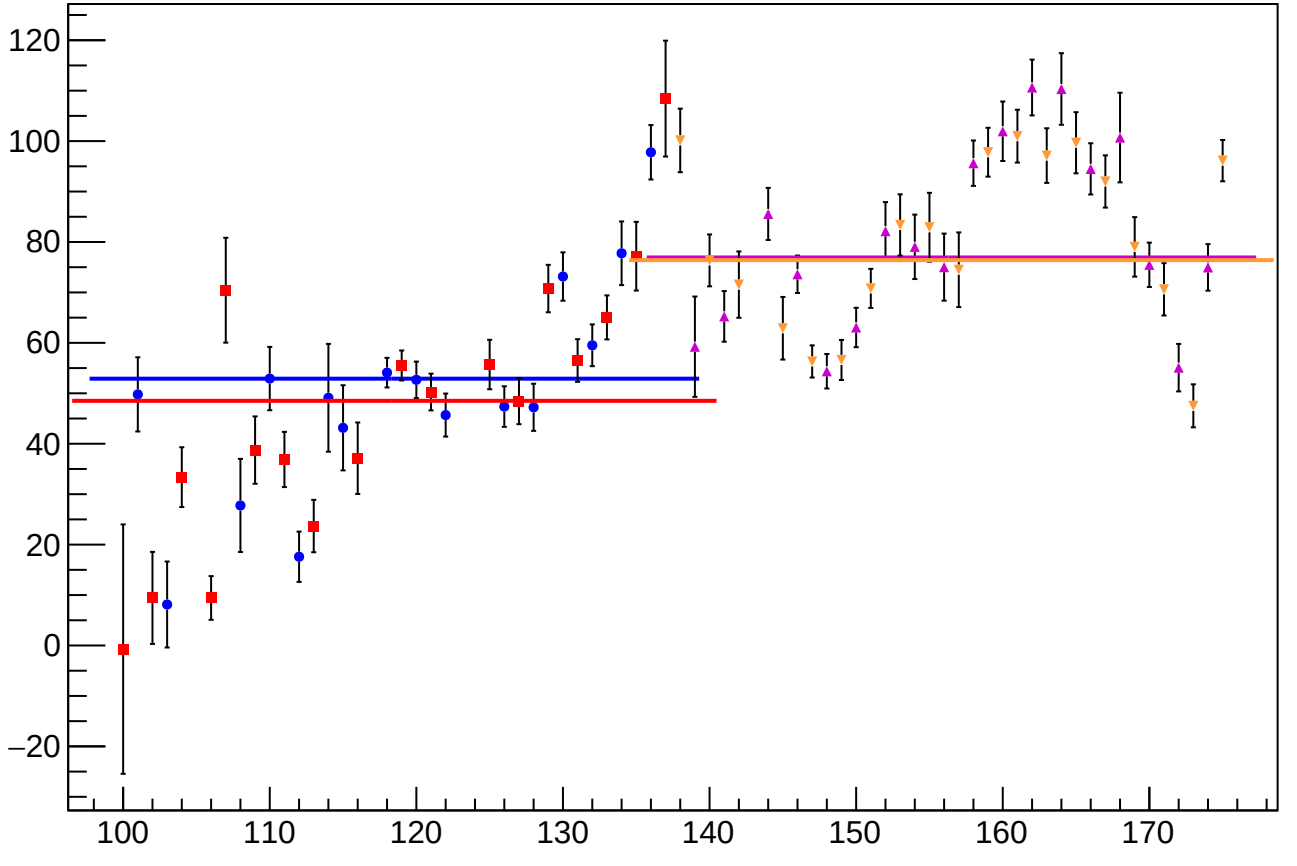
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.048+/-0.933 χ^2/NDF:3364.5/33

Out: 199.558+/-0.884 χ^2/NDF:8217.5/36

All: 208.300+/-0.642 χ^2/NDF: 11789.1/70

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.401+/-1.143 χ^2/NDF:238.9/18

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 76.929+/-1.183 χ^2/NDF:204.8/17

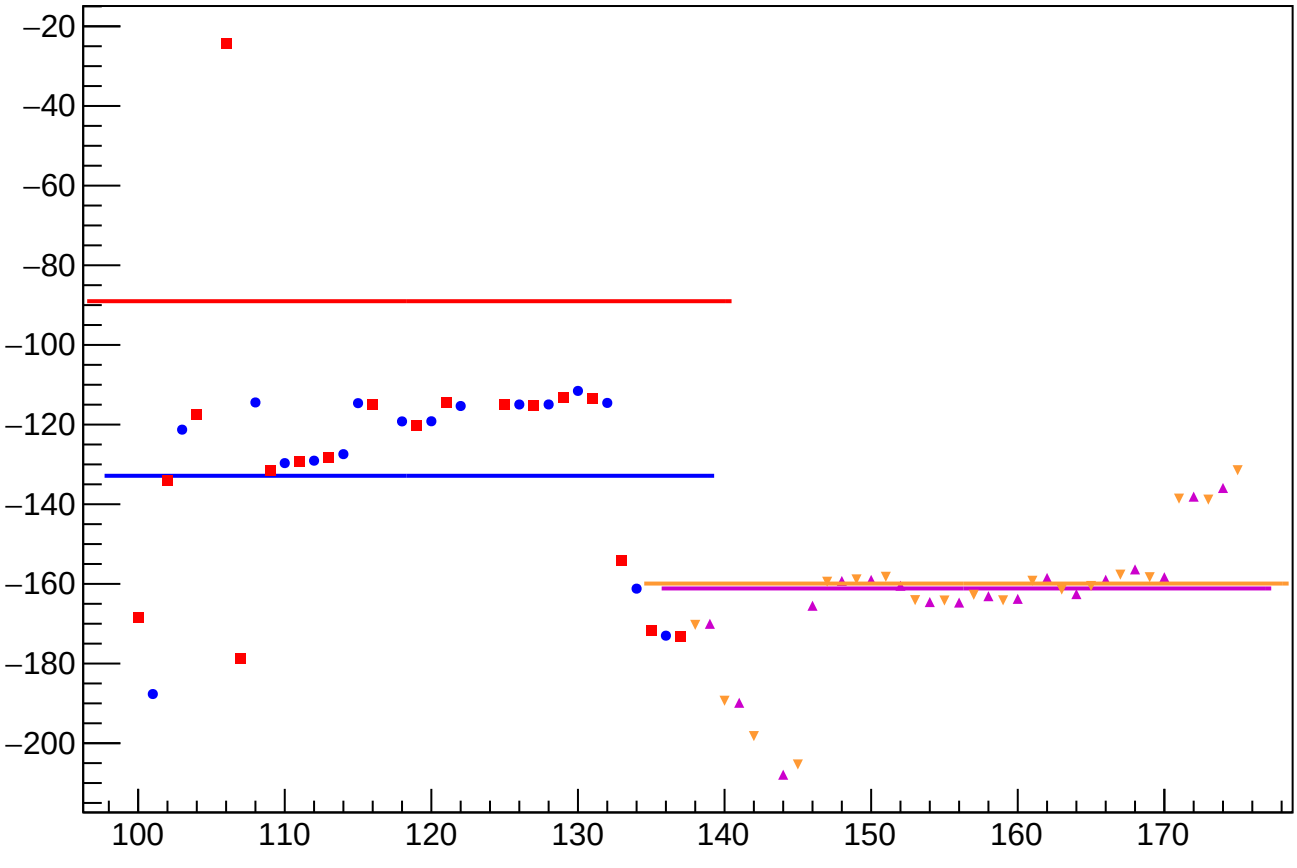
Left: 76.656+/-0.822 χ^2/NDF: 443.8/36

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.490+/-0.857 χ^2/NDF:599.4/33

Out: 63.299+/-0.832 χ^2/NDF:758.6/36

All: 64.363+/-0.597 χ^2/NDF: 1361.4/70



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -159.917+/-0.054 χ^2/NDF:105046.3/18

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -161.146+/-0.054 χ^2/NDF:76995.6/17

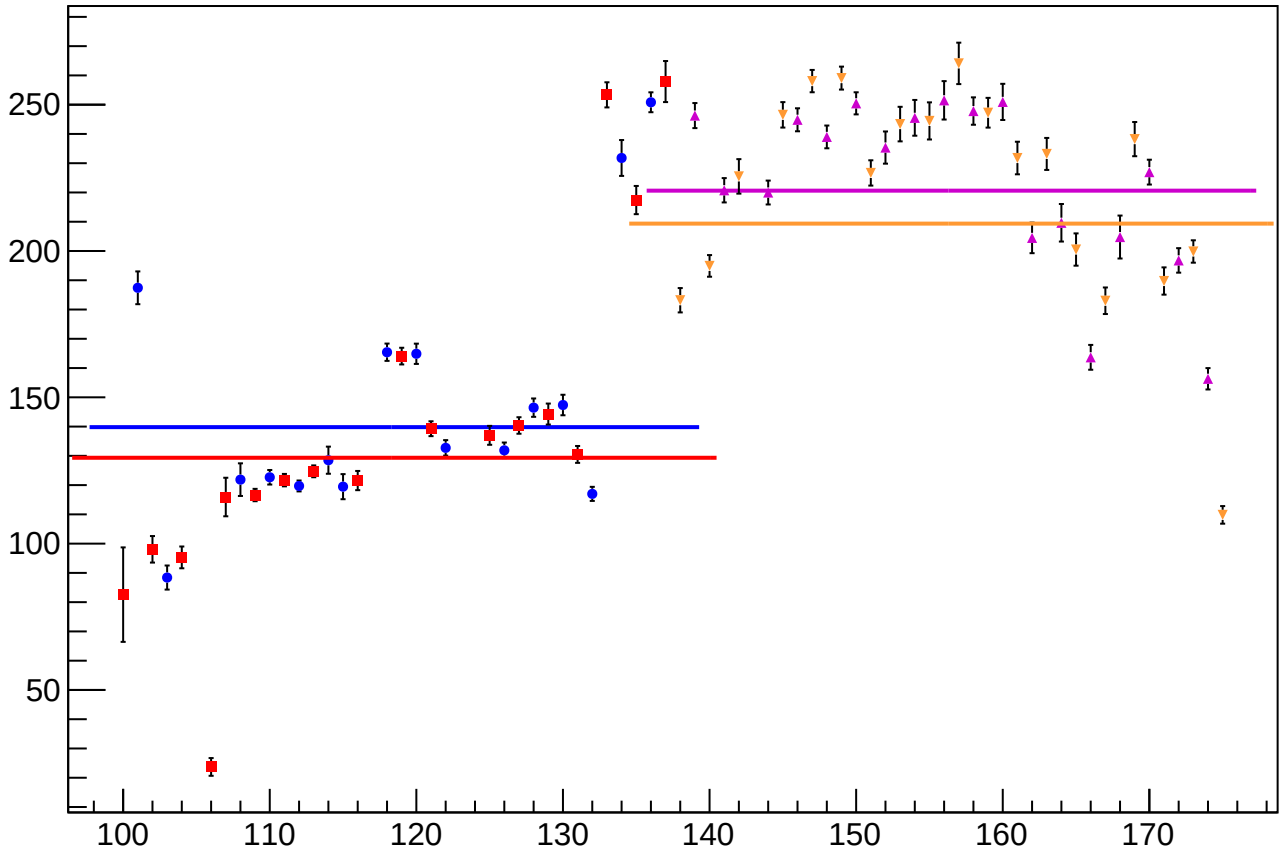
Left: -160.529+/-0.038 χ^2/NDF: 182302.2/36

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -152.500+/-0.045 χ^2/NDF:254462.1/33

Out: -130.678+/-0.041 χ^2/NDF:1550435.9/36

All: -140.638+/-0.030 χ^2/NDF: 1932885.5/70



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 209.357+/-1.046 χ^2/NDF:1870.6/18

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 220.619+/-1.084 χ^2/NDF:804.7/17

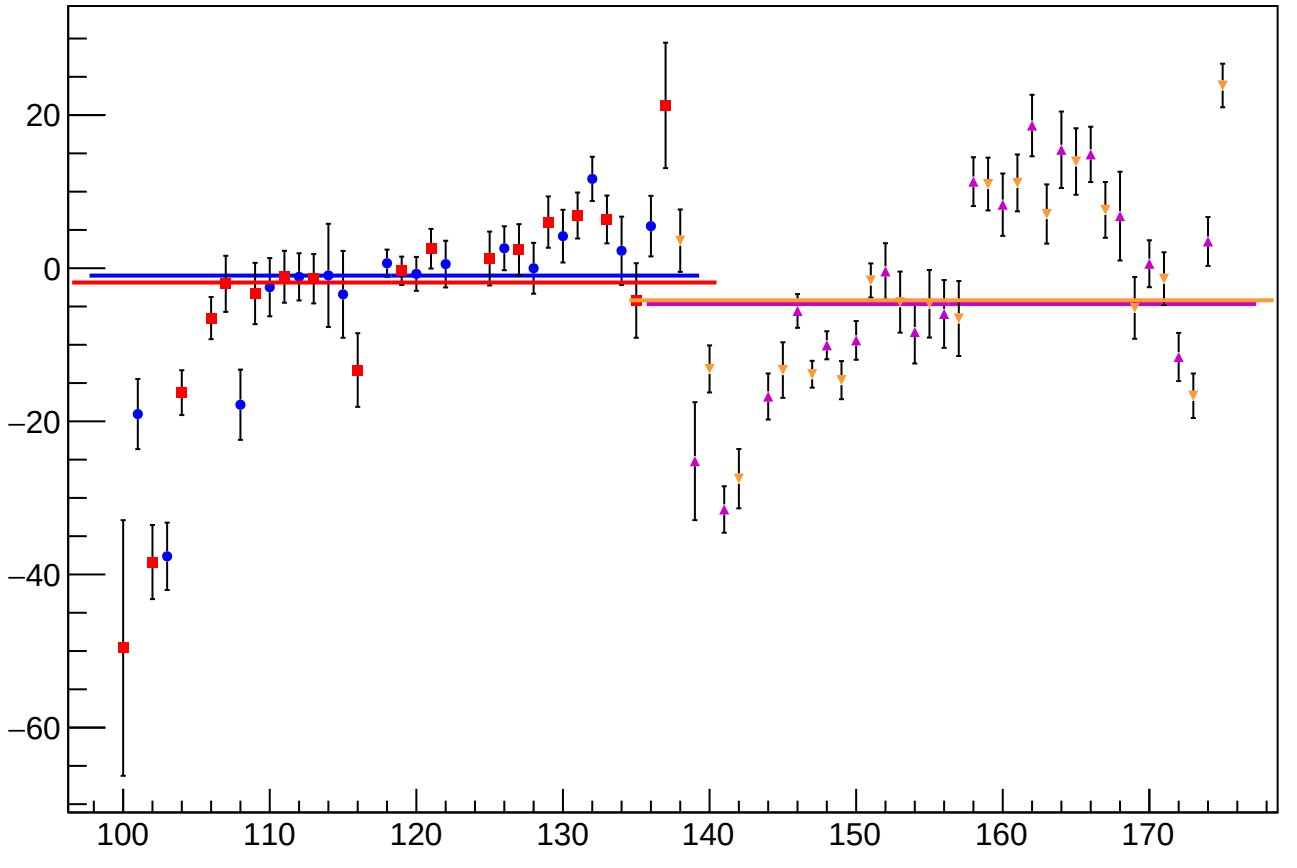
Left: 214.789+/-0.753 χ^2/NDF: 2731.2/36

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 167.594+/-0.636 χ^2/NDF:6417.1/33

Out: 155.745+/-0.601 χ^2/NDF:8912.3/36

All: 161.339+/-0.437 χ^2/NDF: 15512.9/70



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -4.190+/-0.727 χ^2/NDF:293.5/18

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -4.671+/-0.755 χ^2/NDF:248.6/17

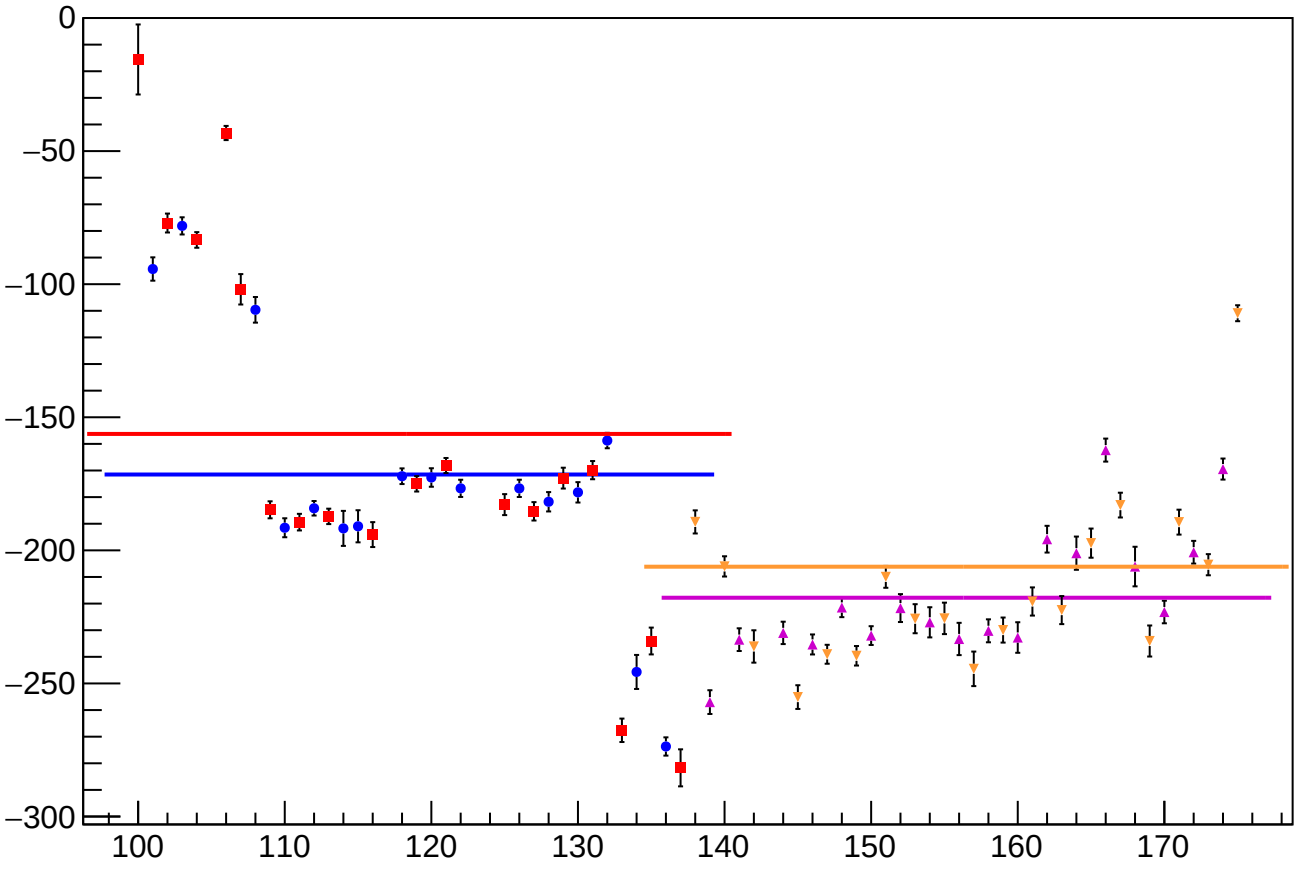
Left: -4.421+/-0.524 χ^2/NDF: 542.3/36

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.943+/-0.552 χ^2/NDF:385.9/33

Out: -3.116+/-0.533 χ^2/NDF:431.4/36

All: -3.032+/-0.383 χ^2/NDF: 817.3/70



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -206.141+/-1.029 χ^2/NDF:1502.0/18

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -217.801+/-1.067 χ^2/NDF:525.2/17

Left: -211.761+/-0.741 χ^2/NDF: 2089.1/36

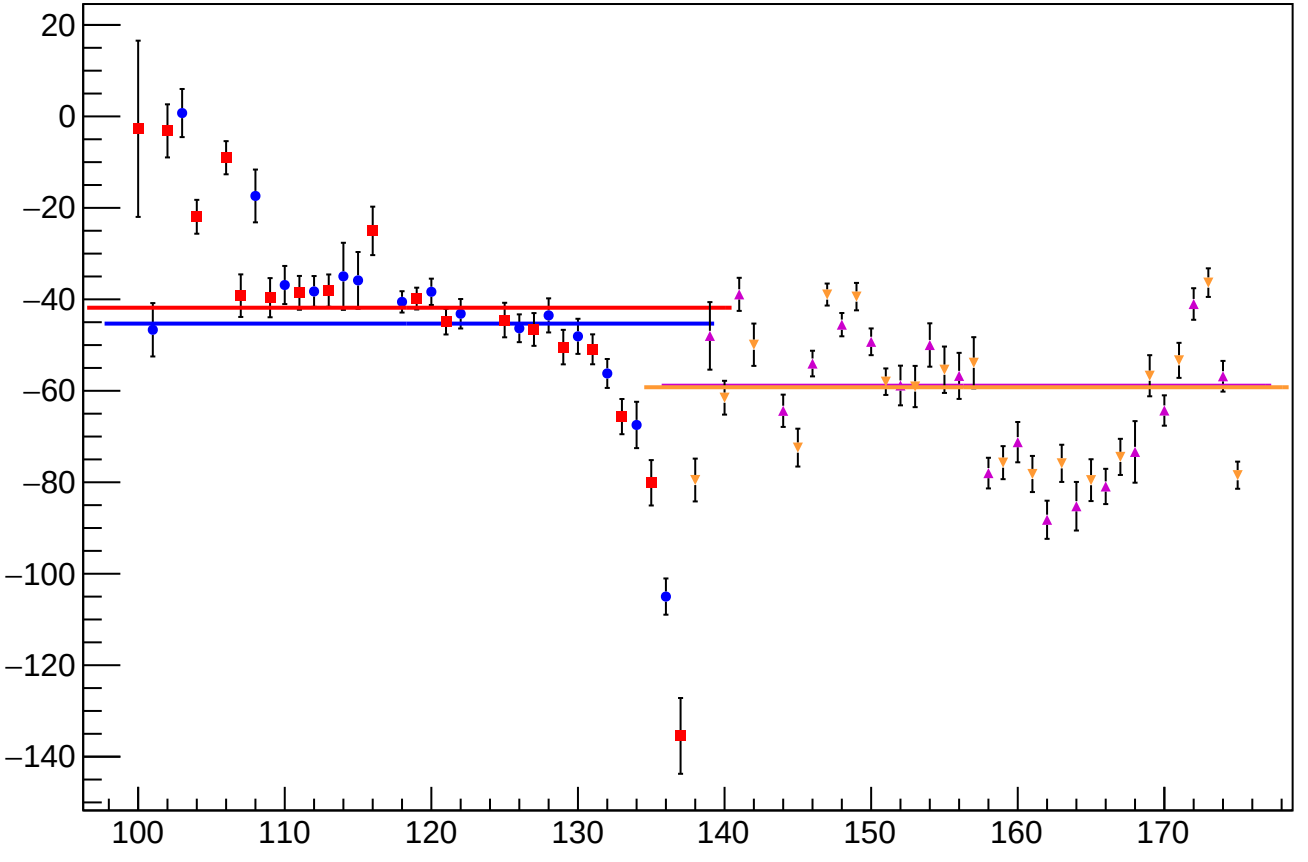
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.925+/-0.691 χ^2/NDF:4061.2/33

Out: -176.416+/-0.654 χ^2/NDF:7806.7/36

All: -183.273+/-0.475 χ^2/NDF: 12100.5/70

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.221+/-0.847 χ^2/NDF:343.1/18

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -58.883+/-0.878 χ^2/NDF:261.5/17

Left: -59.058+/-0.610 χ^2/NDF: 604.6/36

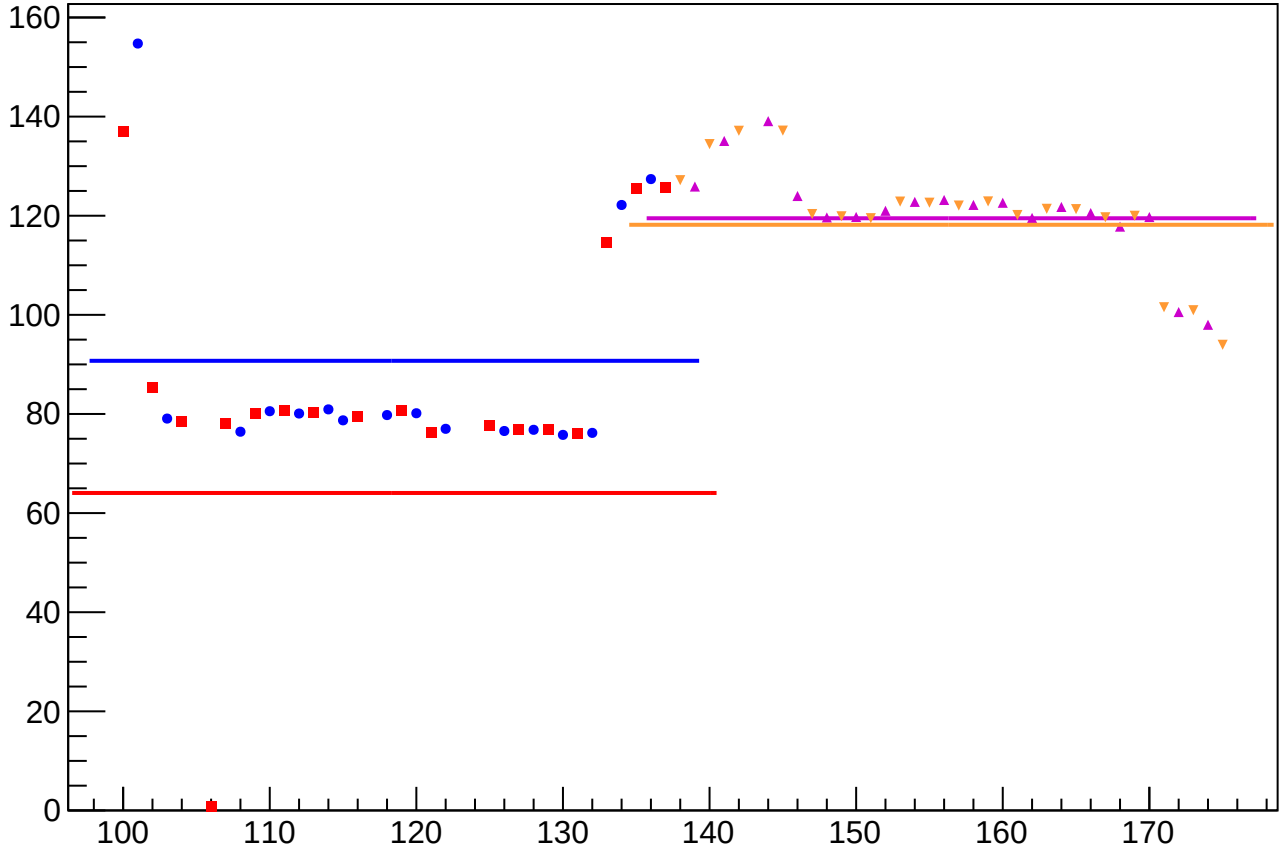
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.537+/-0.641 χ^2/NDF:755.2/33

Out: -51.142+/-0.620 χ^2/NDF:953.1/36

All: -51.816+/-0.446 χ^2/NDF: 1710.8/70

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 118.173+/-0.040 χ^2/NDF:89378.6/18

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 119.488+/-0.040 χ^2/NDF:63298.4/17

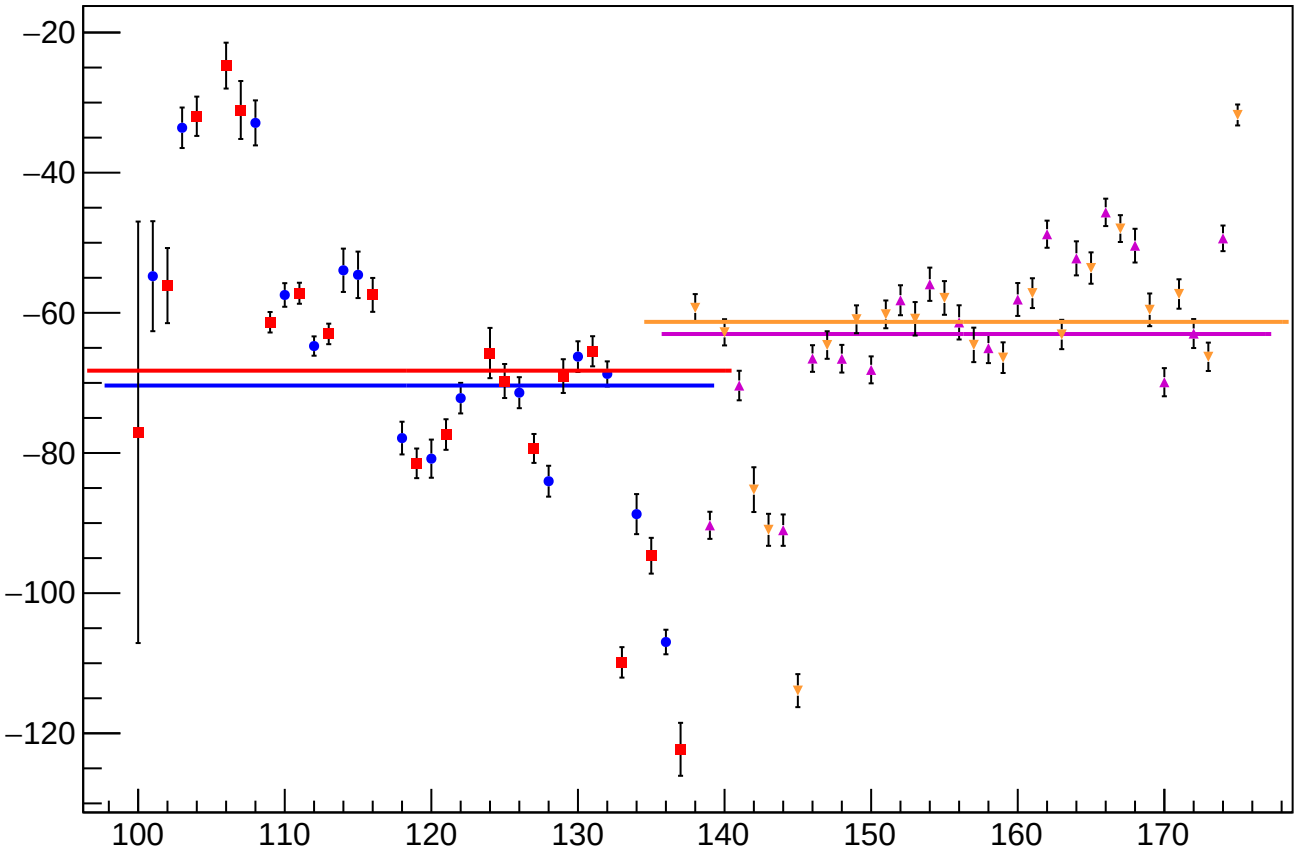
Left: 118.826+/-0.028 χ^2/NDF: 153218.3/36

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 110.297+/-0.033 χ^2/NDF:389030.9/33

Out: 96.801+/-0.031 χ^2/NDF:1479434.3/36

All: 103.112+/-0.023 χ^2/NDF: 1957200.7/70



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -61.290+/-0.470 χ^2/NDF:1202.6/19

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -63.022+/-0.493 χ^2/NDF:648.5/17

Left: -62.114+/-0.340 χ^2/NDF: 1857.6/37

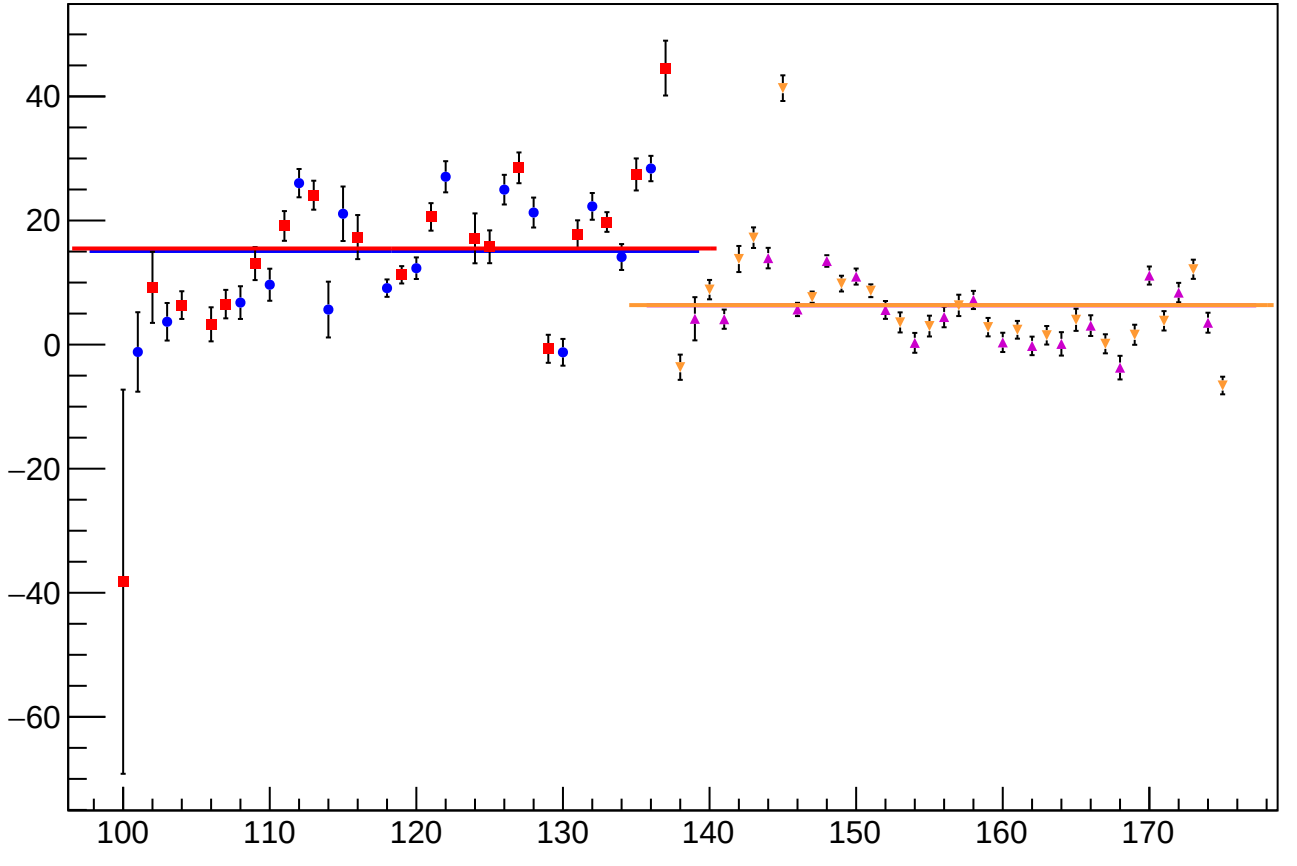
Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -66.249+/-0.370 χ^2/NDF:1720.9/33

Out: -64.377+/-0.351 χ^2/NDF:2605.9/38

All: -65.264+/-0.254 χ^2/NDF: 4340.3/72

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.366+/-0.330 χ^2/NDF:540.2/19

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.331+/-0.348 χ^2/NDF:203.9/17

Left: 6.349+/-0.240 χ^2/NDF: 744.1/37

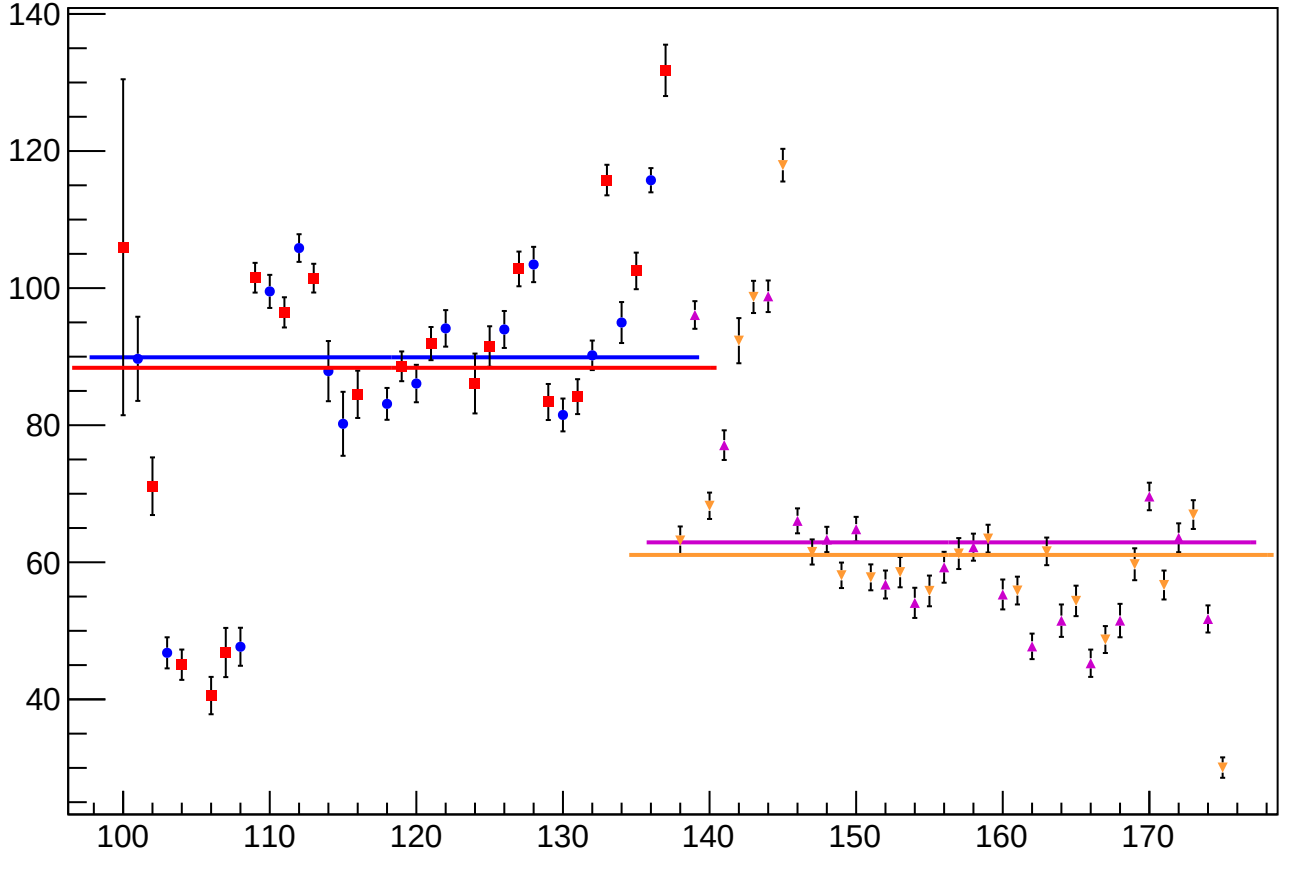
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.649+/-0.299 χ^2/NDF:613.7/33

Out: 8.733+/-0.284 χ^2/NDF:977.4/38

All: 8.693+/-0.206 χ^2/NDF: 1591.1/72

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 61.074+/-0.461 χ^2/NDF:1445.7/19

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 62.907+/-0.484 χ^2/NDF:833.5/17

Left: 61.947+/-0.334 χ^2/NDF: 2286.8/37

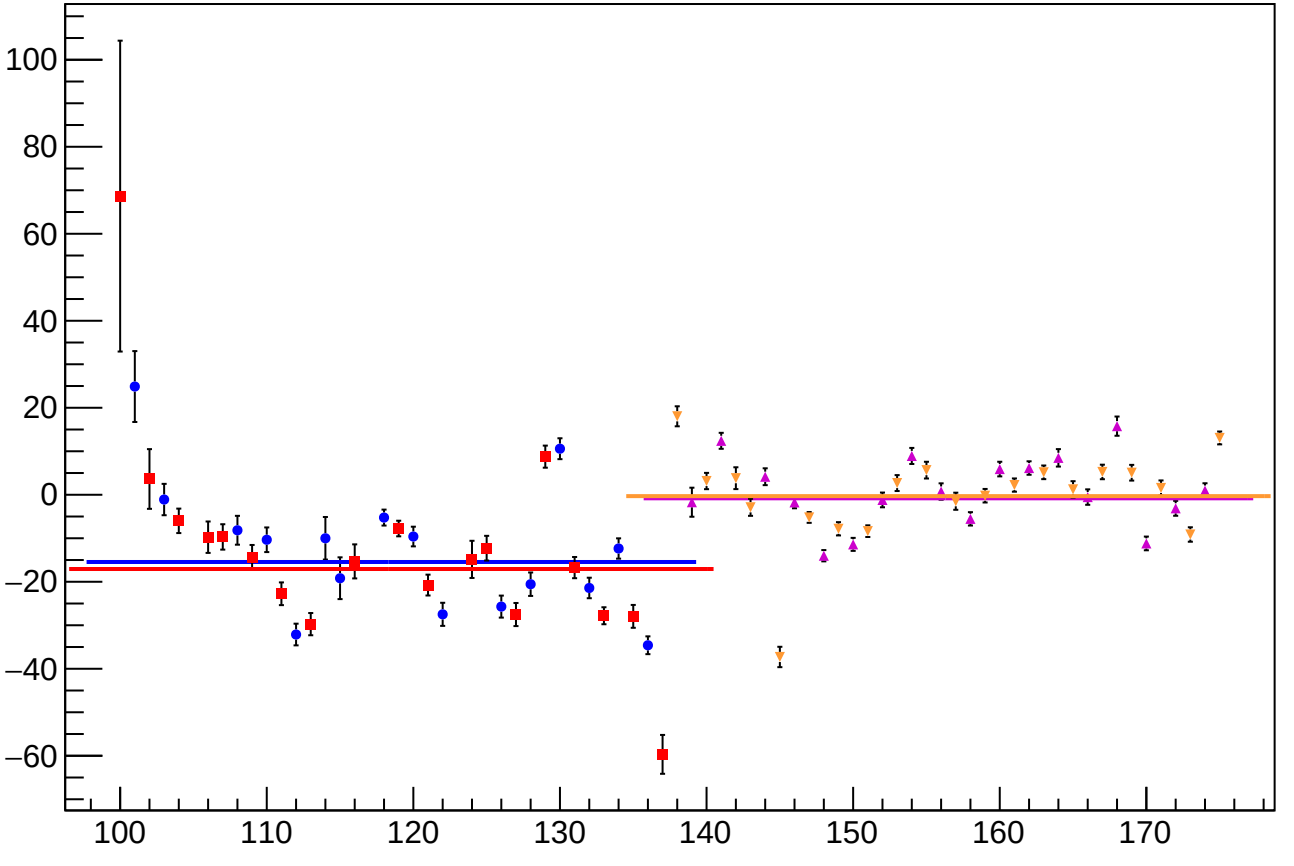
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 72.705+/-0.386 χ^2/NDF:2912.7/33

Out: 70.848+/-0.369 χ^2/NDF:3989.9/38

All: 71.736+/-0.267 χ^2/NDF: 6914.7/72

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.314+/-0.381 χ^2/NDF:556.0/19

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.818+/-0.401 χ^2/NDF:410.8/17

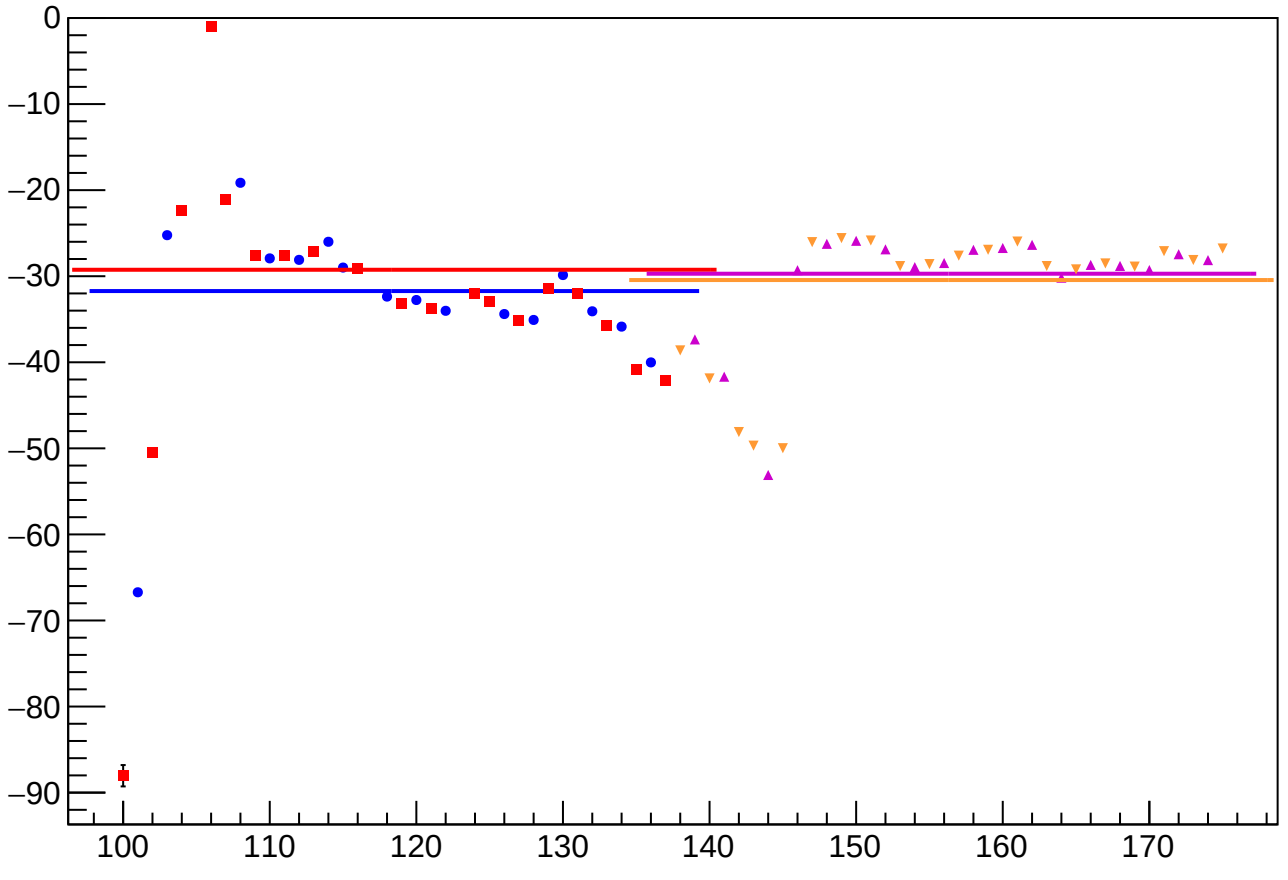
Left: -0.553+/-0.276 χ^2/NDF: 967.6/37

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.719+/-0.344 χ^2/NDF:1152.1/33

Out: -4.661+/-0.328 χ^2/NDF:1418.6/38

All: -4.688+/-0.237 χ^2/NDF: 2570.7/72



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.445+/-0.018 χ^2/NDF:154721.0/19

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.710+/-0.018 χ^2/NDF:95097.2/17

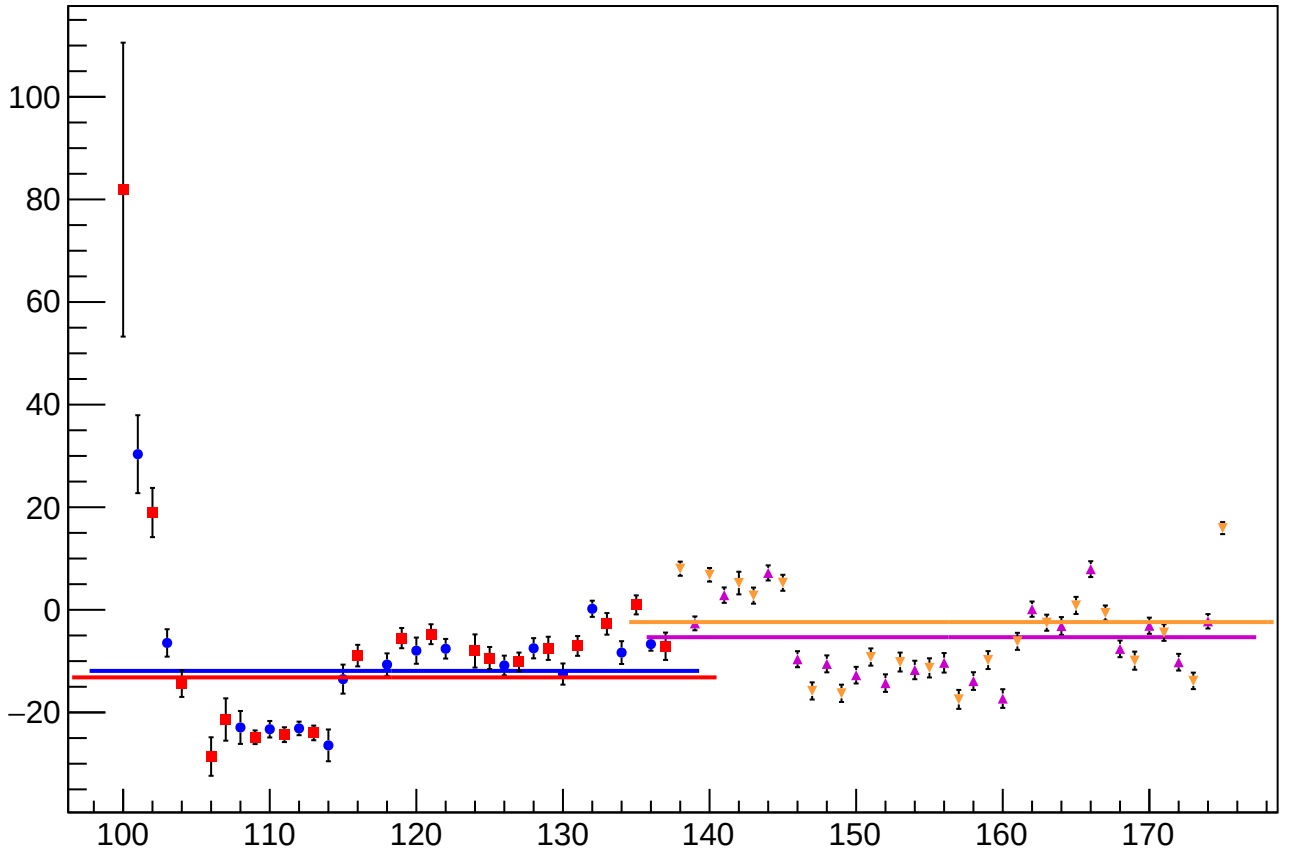
Left: -30.086+/-0.013 χ^2/NDF: 250679.5/37

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.068+/-0.016 χ^2/NDF:136983.4/33

Out: -30.240+/-0.016 χ^2/NDF:250757.6/38

All: -30.156+/-0.011 χ^2/NDF: 387797.9/72



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.389+/-0.358 χ^2/NDF:750.3/19

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -5.335+/-0.377 χ^2/NDF:365.5/17

Left: -3.787+/-0.260 χ^2/NDF: 1147.8/37

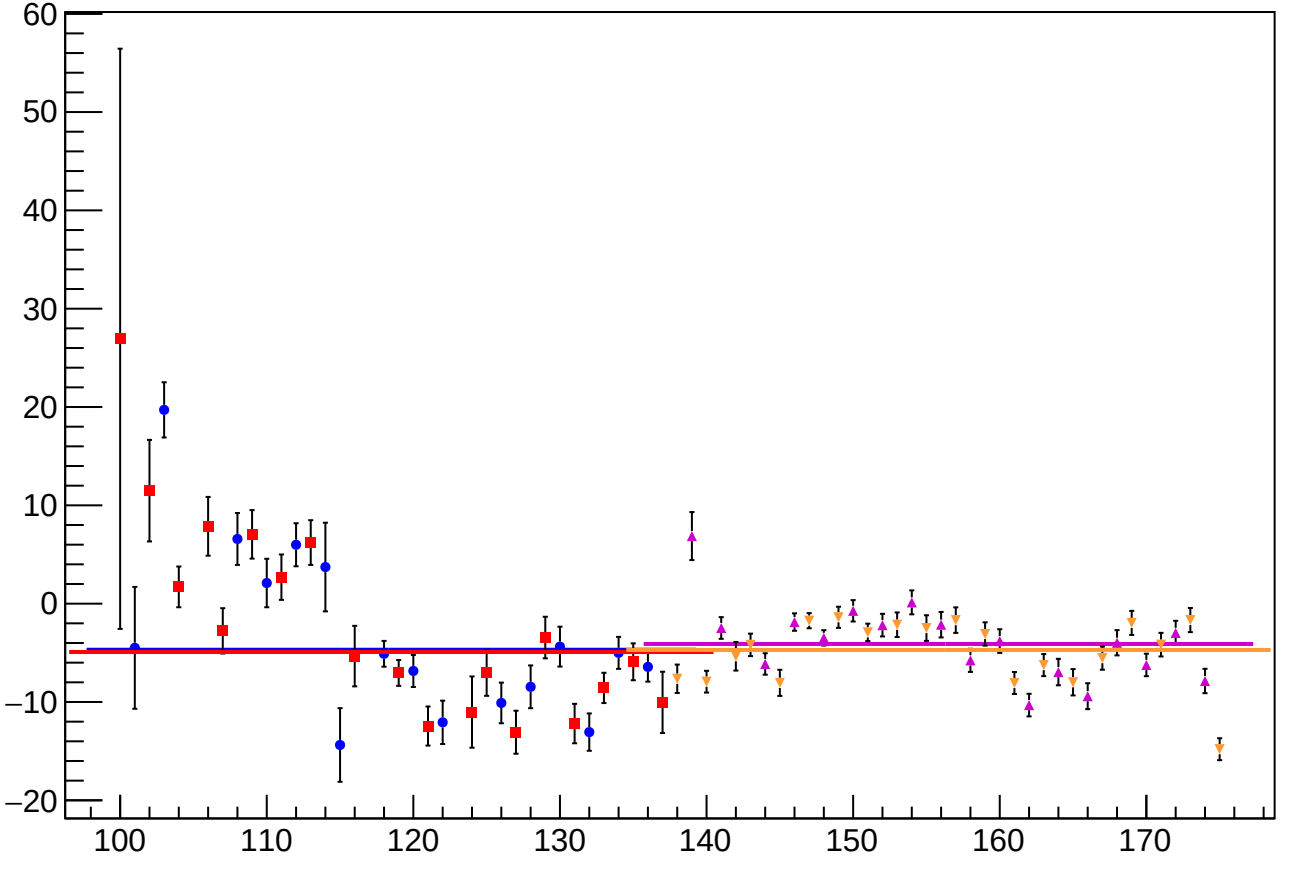
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -7.737+/-0.300 χ^2/NDF:758.6/33

Out: -6.244+/-0.287 χ^2/NDF:1495.6/38

All: -6.957+/-0.208 χ^2/NDF: 2267.1/72

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.708+/-0.257 χ^2/NDF:173.0/19

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -4.097+/-0.271 χ^2/NDF:125.1/17

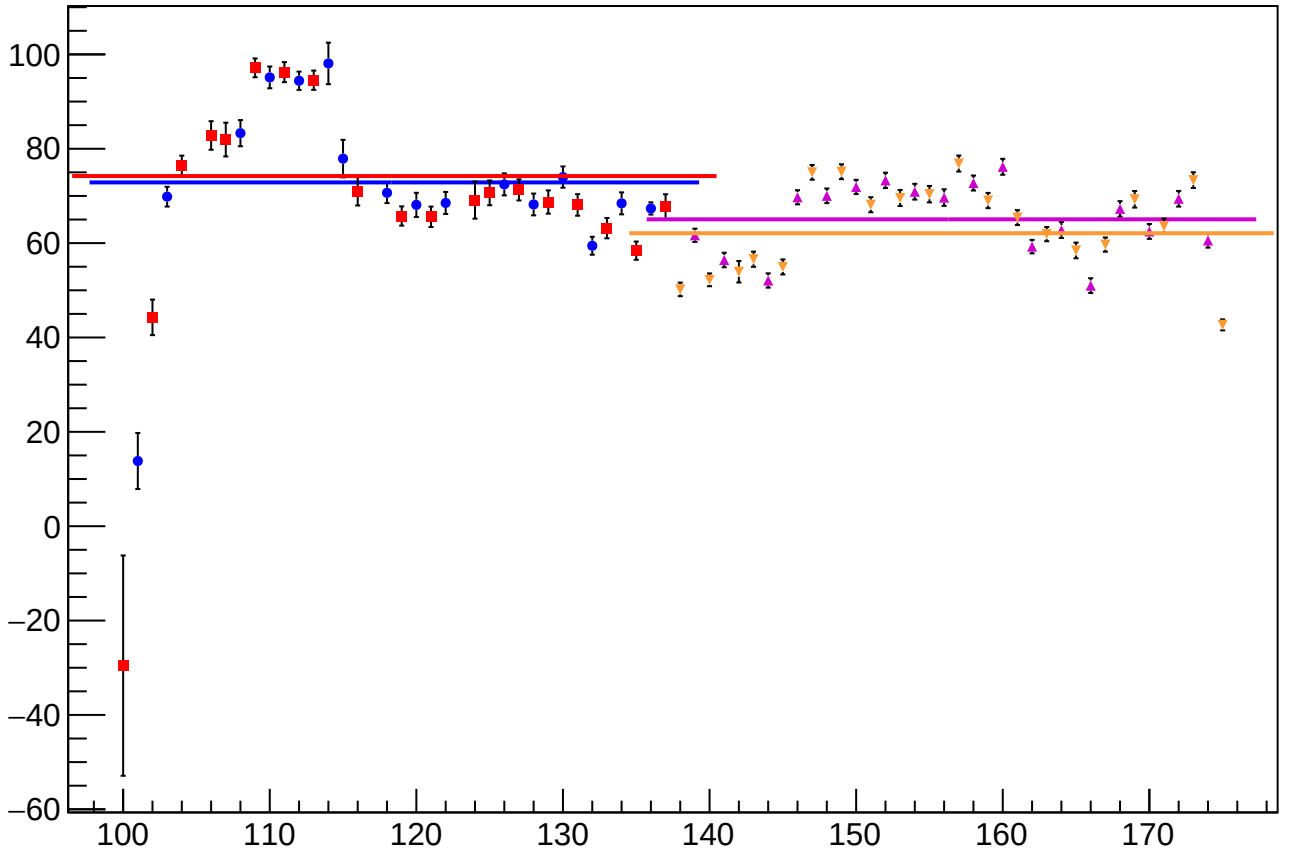
Left: -4.419+/-0.187 χ^2/NDF: 300.8/37

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.224+/-0.240 χ^2/NDF:305.2/33

Out: -4.749+/-0.230 χ^2/NDF:329.0/38

All: -4.499+/-0.166 χ^2/NDF: 636.6/72



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 62.097+/-0.353 χ^2/NDF:802.2/19

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.041+/-0.371 χ^2/NDF:380.1/17

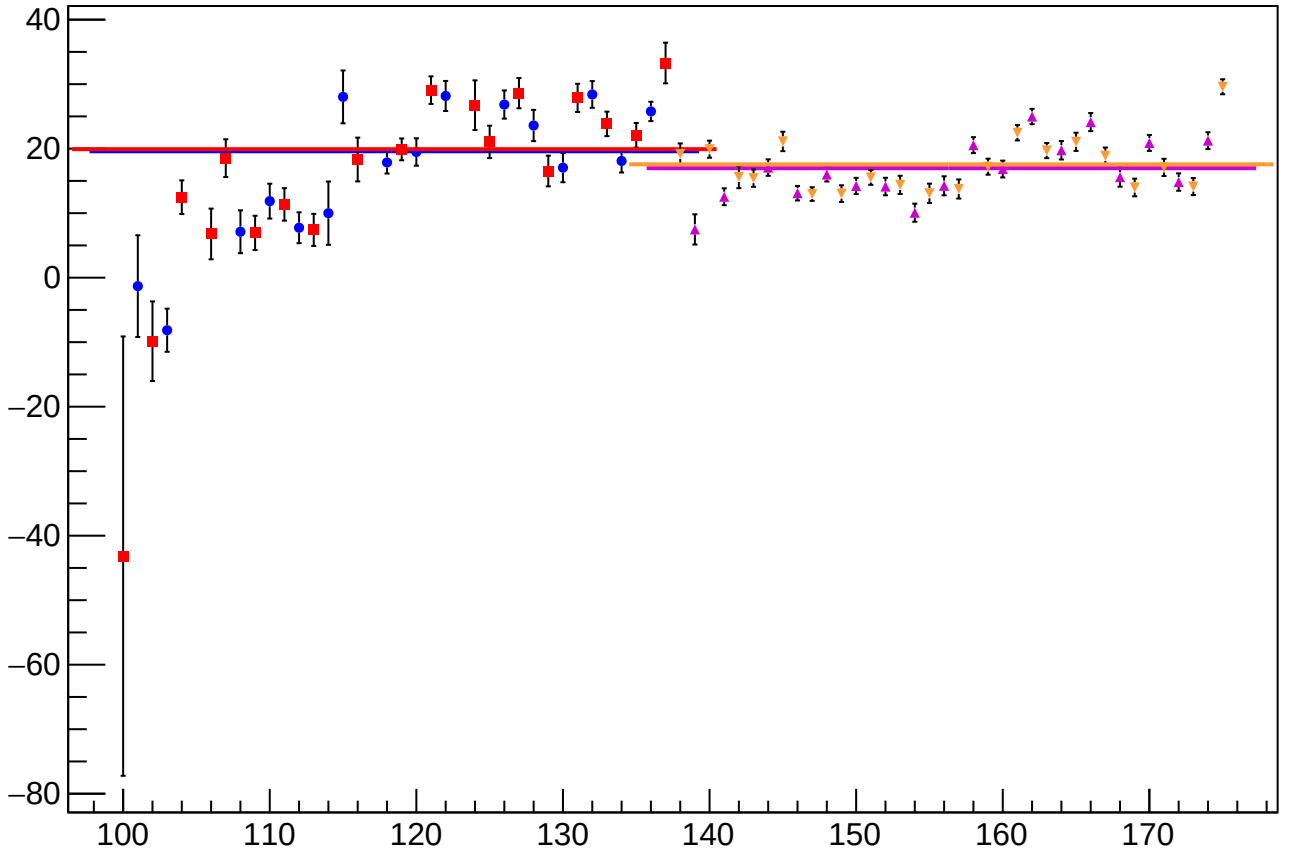
Left: 63.496+/-0.256 χ^2/NDF: 1215.4/37

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.395+/-0.310 χ^2/NDF:964.7/33

Out: 65.522+/-0.299 χ^2/NDF:1721.8/38

All: 66.424+/-0.215 χ^2/NDF: 2705.4/72



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.571+/-0.295 χ^2/NDF:217.0/19

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.969+/-0.311 χ^2/NDF:184.7/17

Left: 17.286+/-0.214 χ^2/NDF: 403.7/37

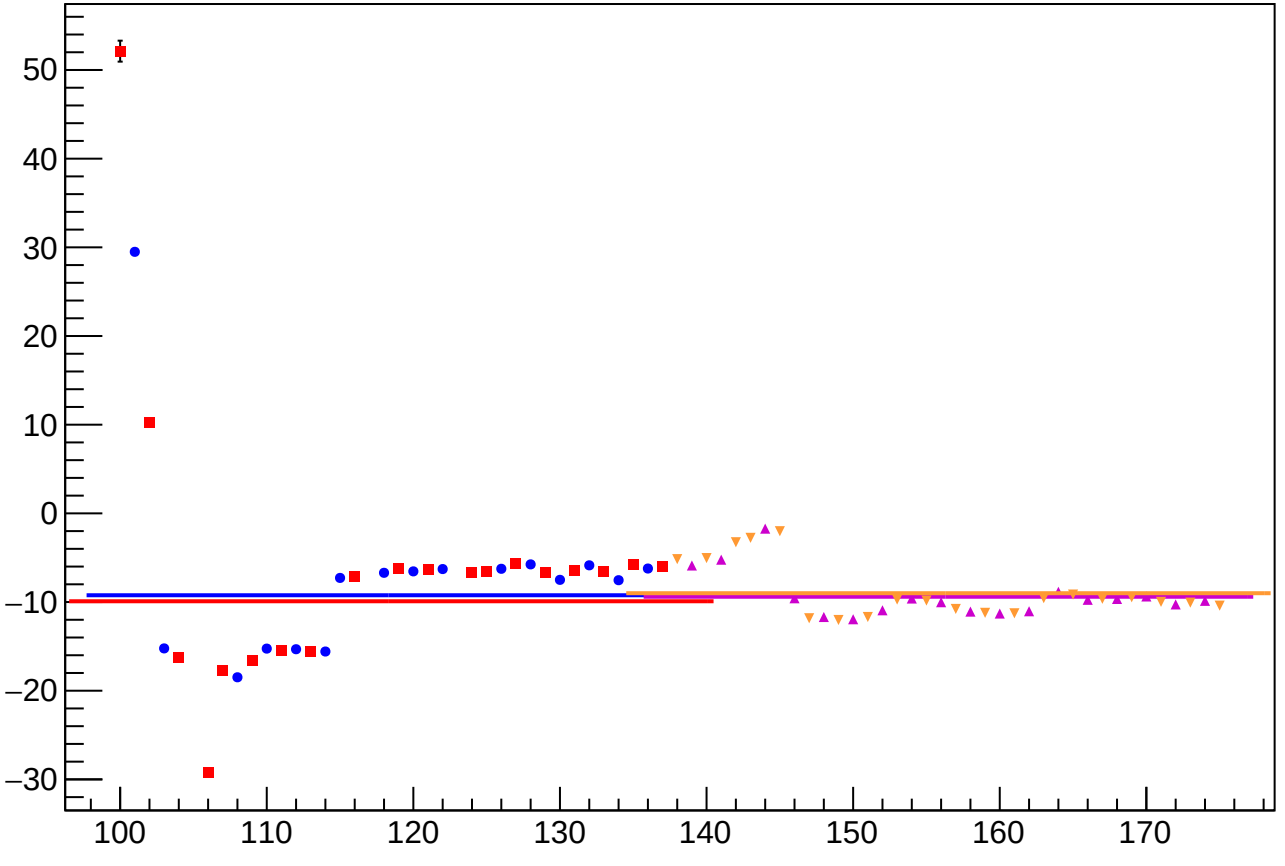
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.547+/-0.275 χ^2/NDF:396.4/33

Out: 18.046+/-0.263 χ^2/NDF:411.2/38

All: 17.807+/-0.190 χ^2/NDF: 809.3/72

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.005+/-0.013 χ^2/NDF:45635.4/19

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.402+/-0.014 χ^2/NDF:29318.0/17

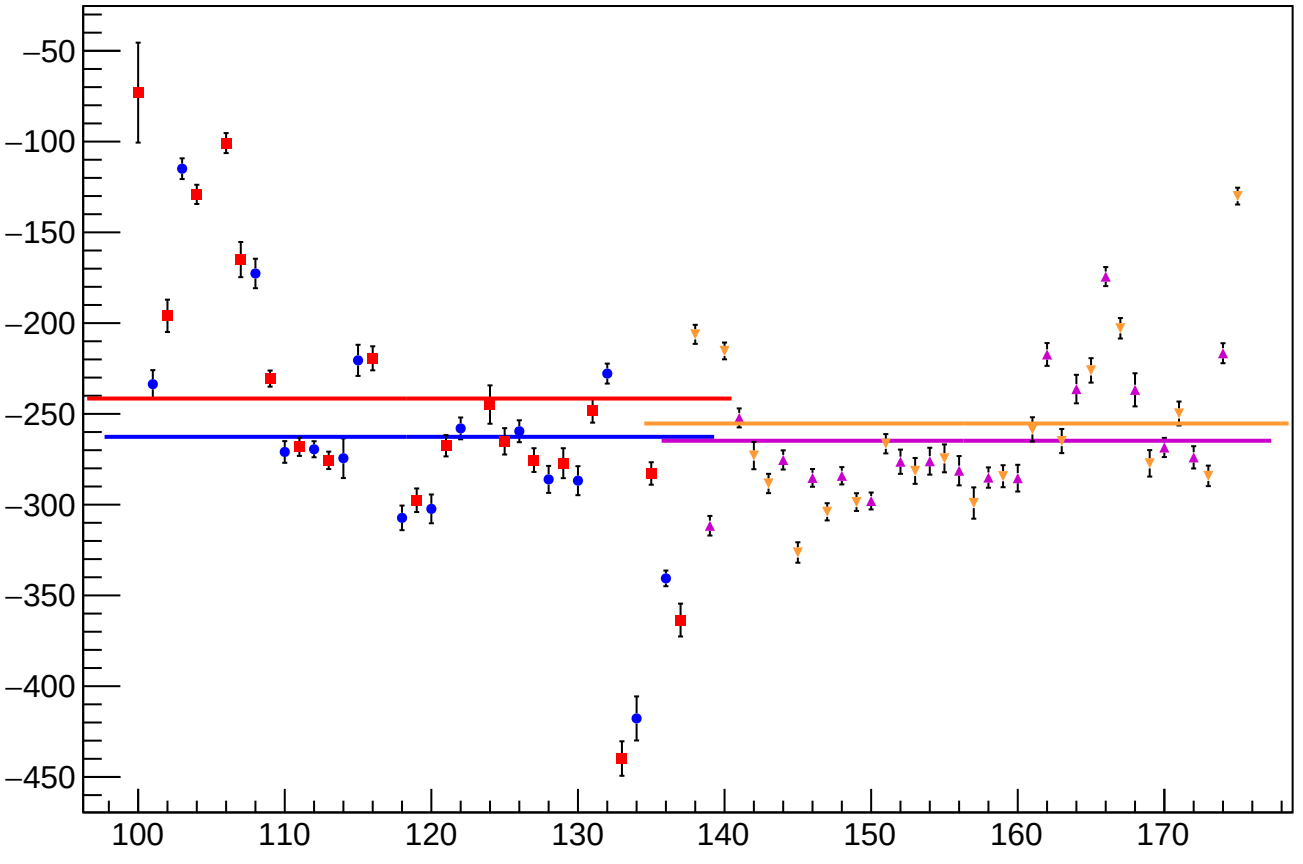
Left: -9.198+/-0.010 χ^2/NDF: 75382.9/37

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.377+/-0.013 χ^2/NDF:60499.3/33

Out: -9.124+/-0.012 χ^2/NDF:100102.7/38

All: -9.249+/-0.009 χ^2/NDF: 160804.9/72



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -255.300+/-1.307 χ^2/NDF:1497.4/19

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -264.798+/-1.374 χ^2/NDF:655.8/17

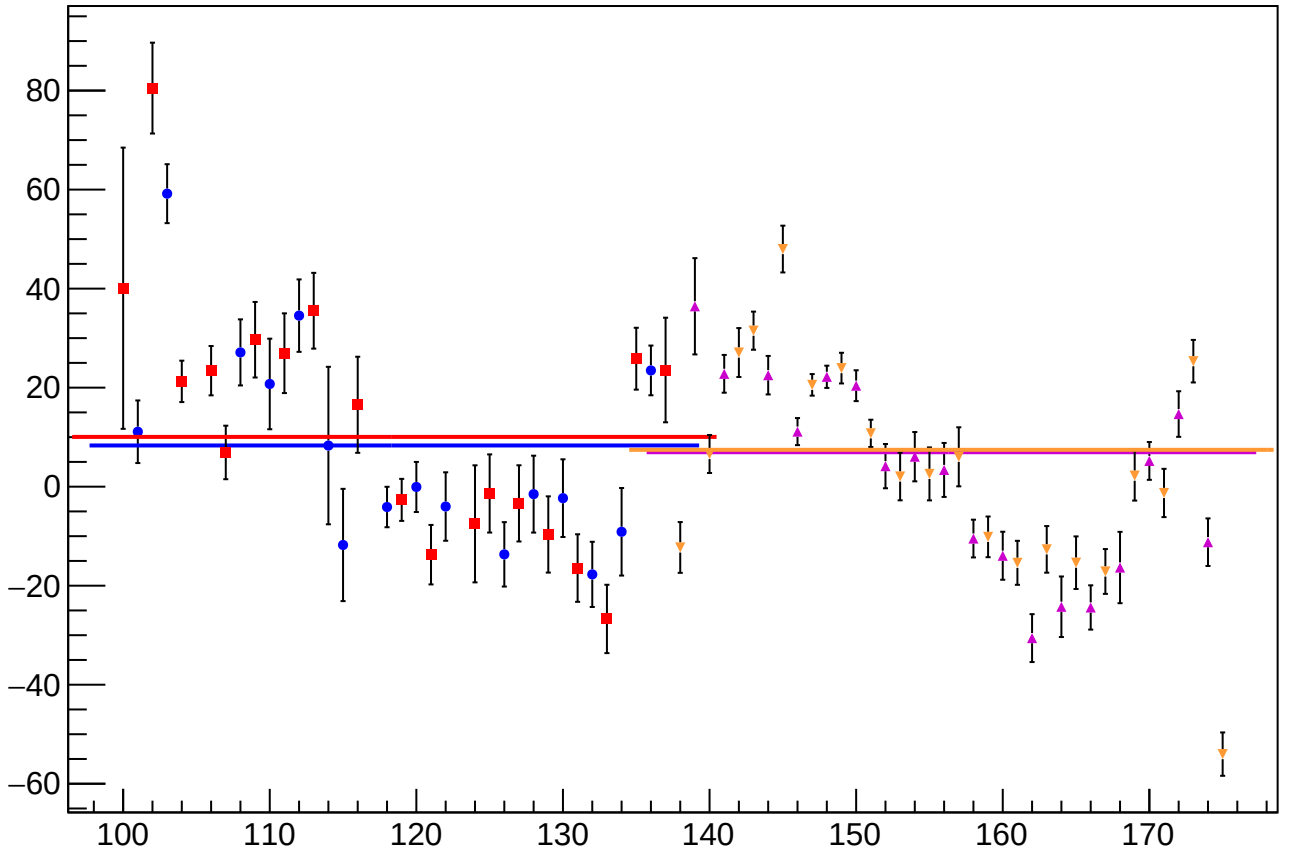
Left: -259.814+/-0.947 χ^2/NDF: 2178.3/37

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -263.893+/-1.046 χ^2/NDF:2111.1/33

Out: -249.391+/-0.987 χ^2/NDF:3683.5/38

All: -256.223+/-0.718 χ^2/NDF: 5896.3/72



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 7.441+/-0.898 χ^2/NDF:541.1/19

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 6.958+/-0.948 χ^2/NDF:312.9/17

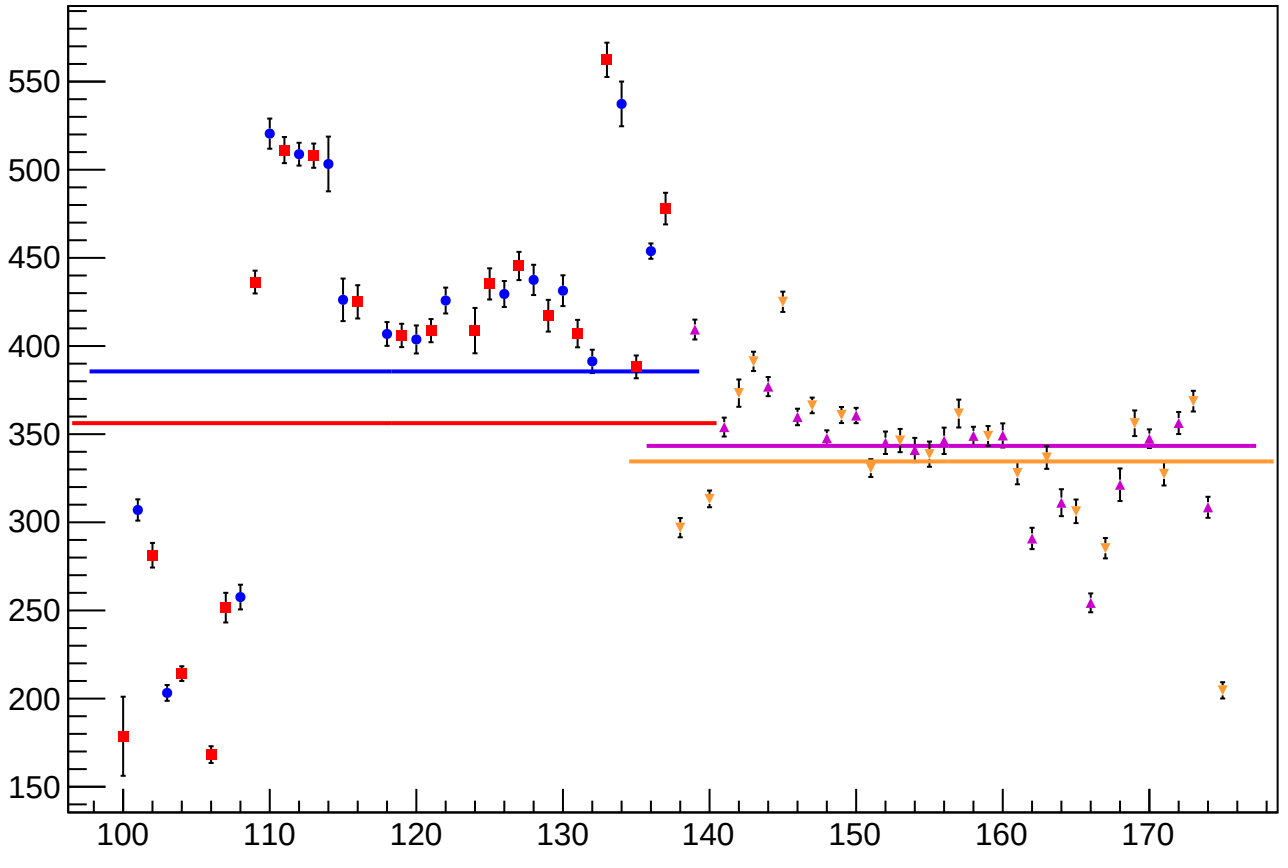
Left: 7.213+/-0.652 χ^2/NDF: 854.2/37

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 7.298+/-0.821 χ^2/NDF:471.1/33

Out: 8.105+/-0.776 χ^2/NDF:730.7/38

All: 7.724+/-0.564 χ^2/NDF: 1202.3/72



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 334.532+/-1.285 χ^2/NDF:1480.6/19

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 343.351+/-1.346 χ^2/NDF:625.6/17

Left: 338.737+/-0.929 χ^2/NDF: 2128.7/37

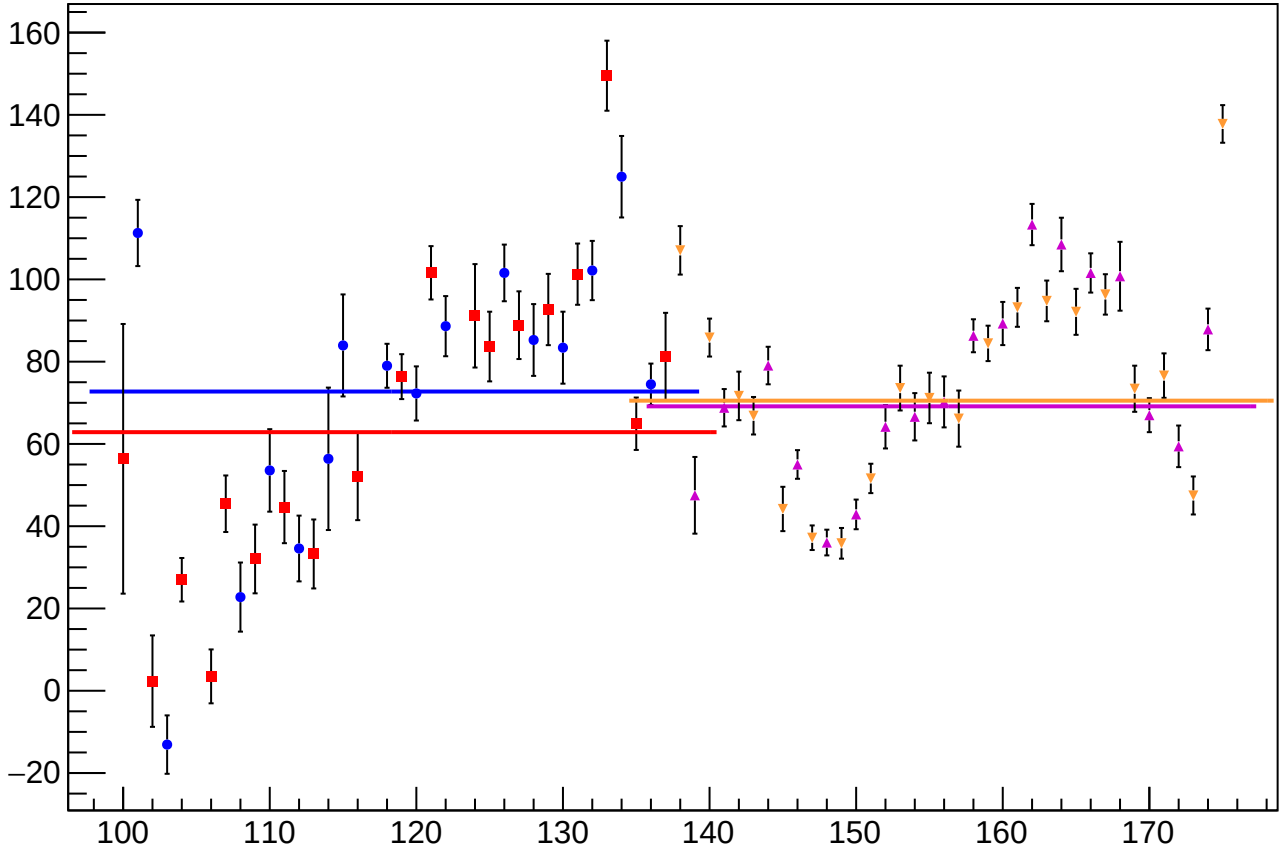
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 359.135+/-1.065 χ^2/NDF:4366.8/33

Out: 342.749+/-1.013 χ^2/NDF:6859.0/38

All: 350.531+/-0.734 χ^2/NDF: 11350.1/72

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 70.519+/-1.051 χ^2/NDF:656.2/19

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 69.138+/-1.105 χ^2/NDF:418.1/17

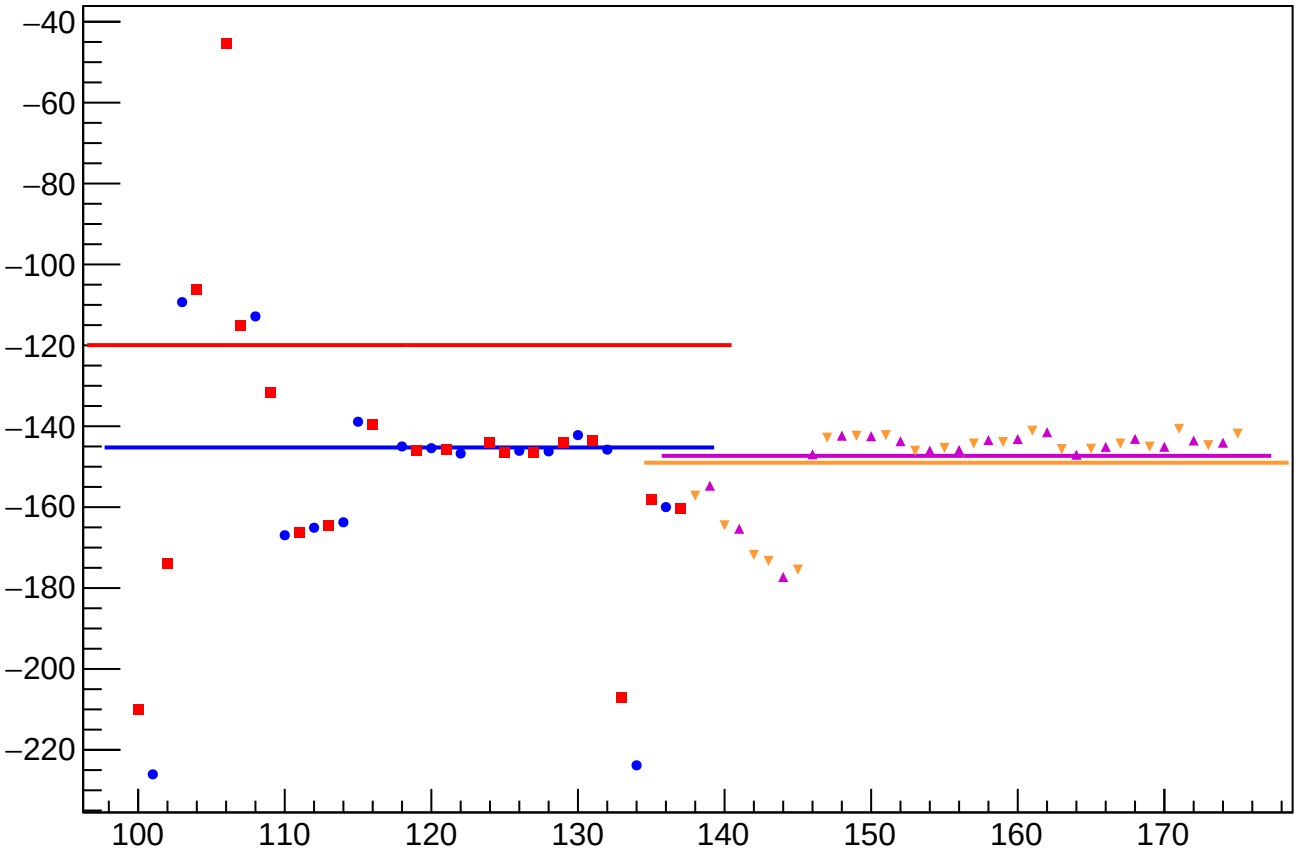
Left: 69.863+/-0.762 χ^2/NDF: 1075.1/37

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 70.051+/-0.955 χ^2/NDF:725.1/33

Out: 68.562+/-0.907 χ^2/NDF:1073.3/38

All: 69.269+/-0.658 χ^2/NDF: 1799.7/72



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.019+/-0.050 χ^2/NDF:46684.9/19

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.312+/-0.051 χ^2/NDF:27508.9/17

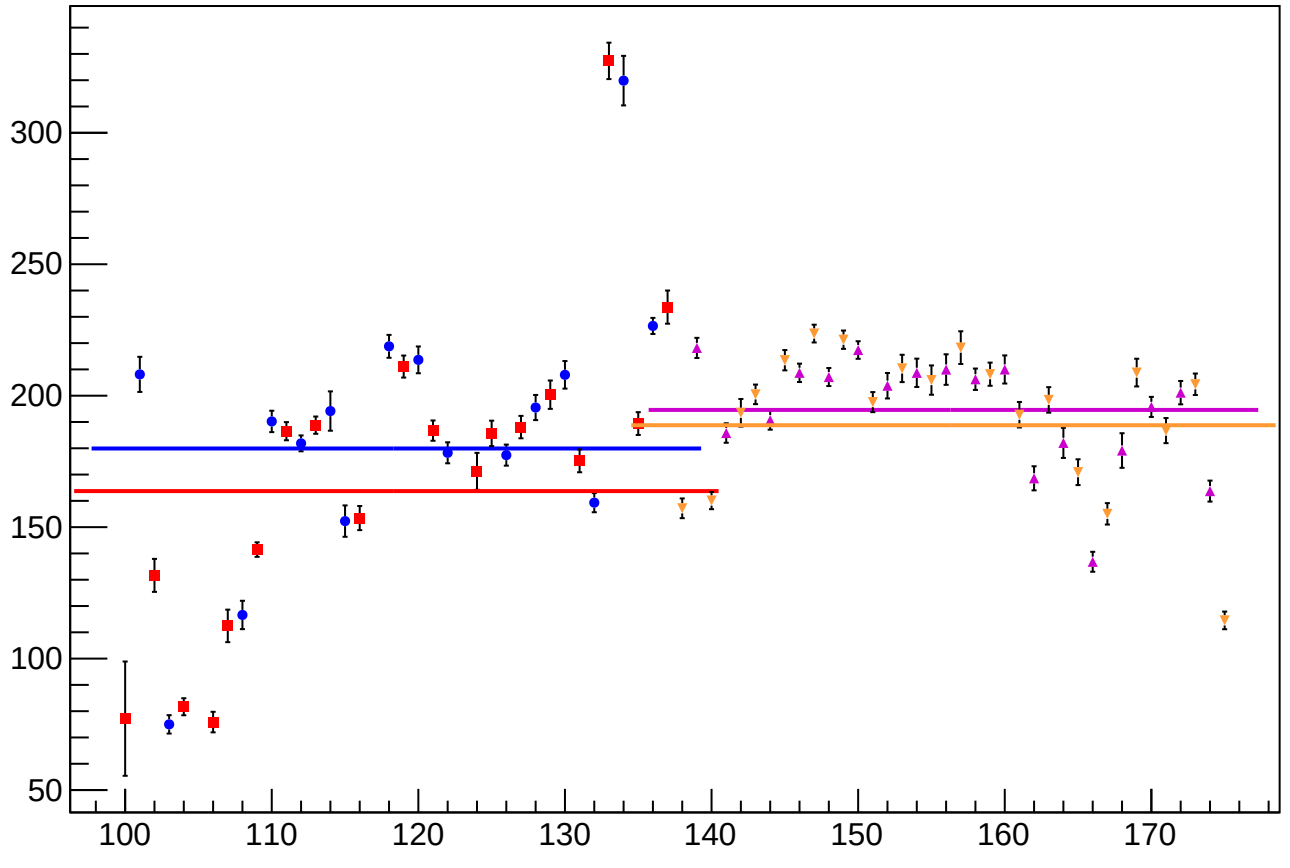
Left: -148.181+/-0.035 χ^2/NDF: 74772.1/37

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.879+/-0.045 χ^2/NDF:159915.1/33

Out: -142.104+/-0.043 χ^2/NDF:398414.4/38

All: -144.403+/-0.031 χ^2/NDF: 564160.8/72



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.767+/-0.937 χ^2/NDF:1071.3/19

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 194.592+/-0.986 χ^2/NDF:490.8/17

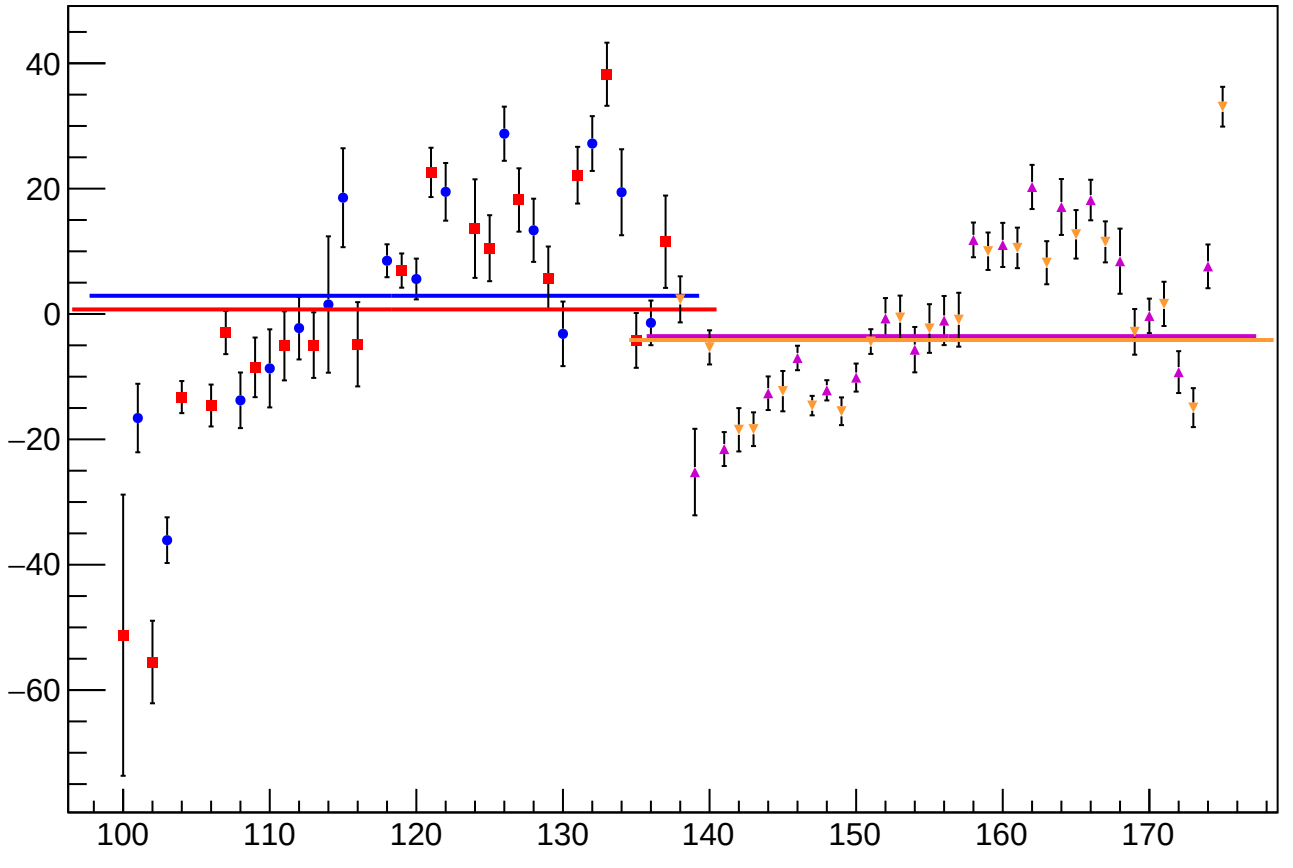
Left: 191.529+/-0.679 χ^2/NDF: 1580.4/37

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 187.977+/-0.731 χ^2/NDF:2323.3/33

Out: 177.070+/-0.684 χ^2/NDF:3822.0/38

All: 182.161+/-0.499 χ^2/NDF: 6264.0/72



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -4.153+/-0.643 χ^2/NDF:378.9/19

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -3.534+/-0.681 χ^2/NDF:287.4/17

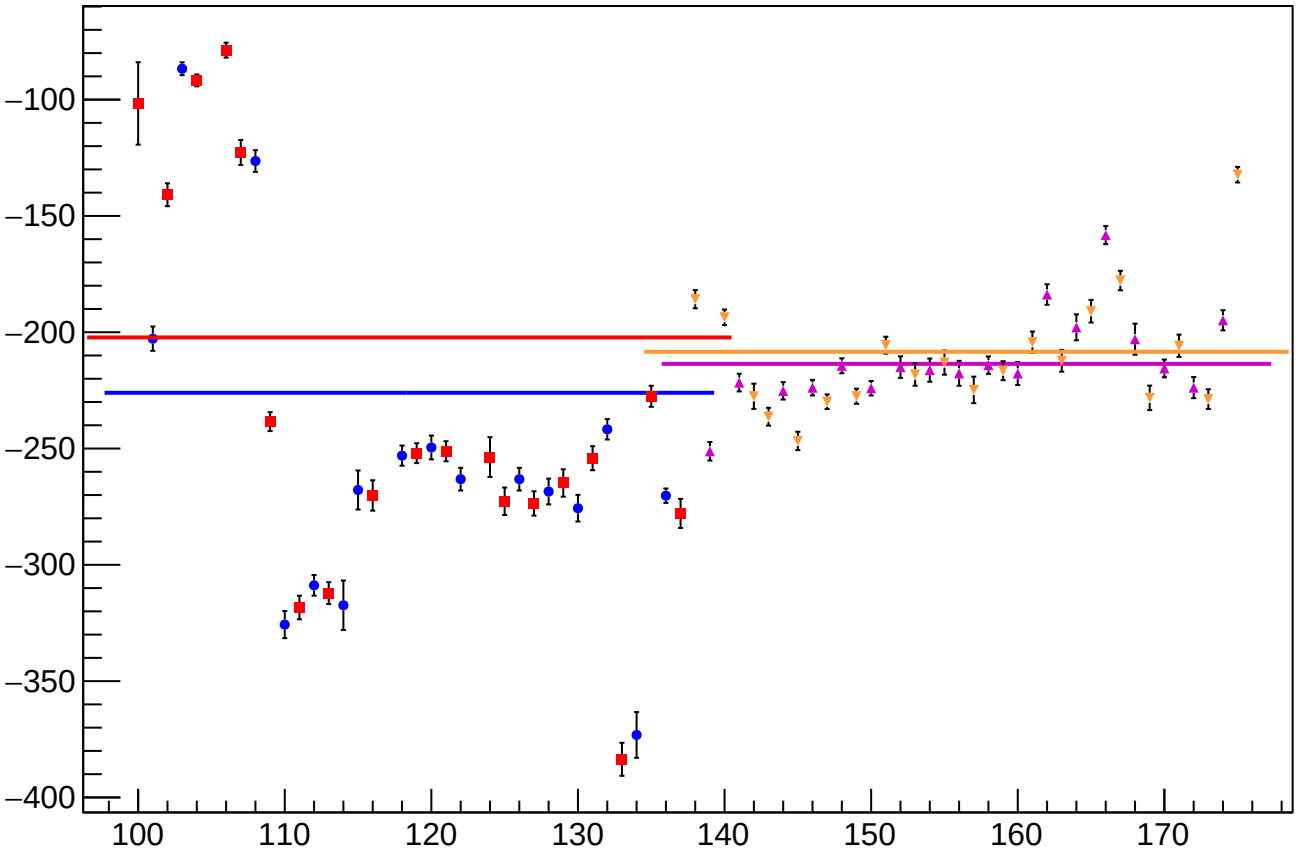
Left: -3.861+/-0.468 χ^2/NDF: 666.7/37

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.760+/-0.580 χ^2/NDF:559.5/33

Out: -2.748+/-0.543 χ^2/NDF:669.0/38

All: -2.287+/-0.396 χ^2/NDF: 1230.1/72



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -208.404+/-0.921 χ^2/NDF:934.0/19

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -213.592+/-0.967 χ^2/NDF:409.9/17

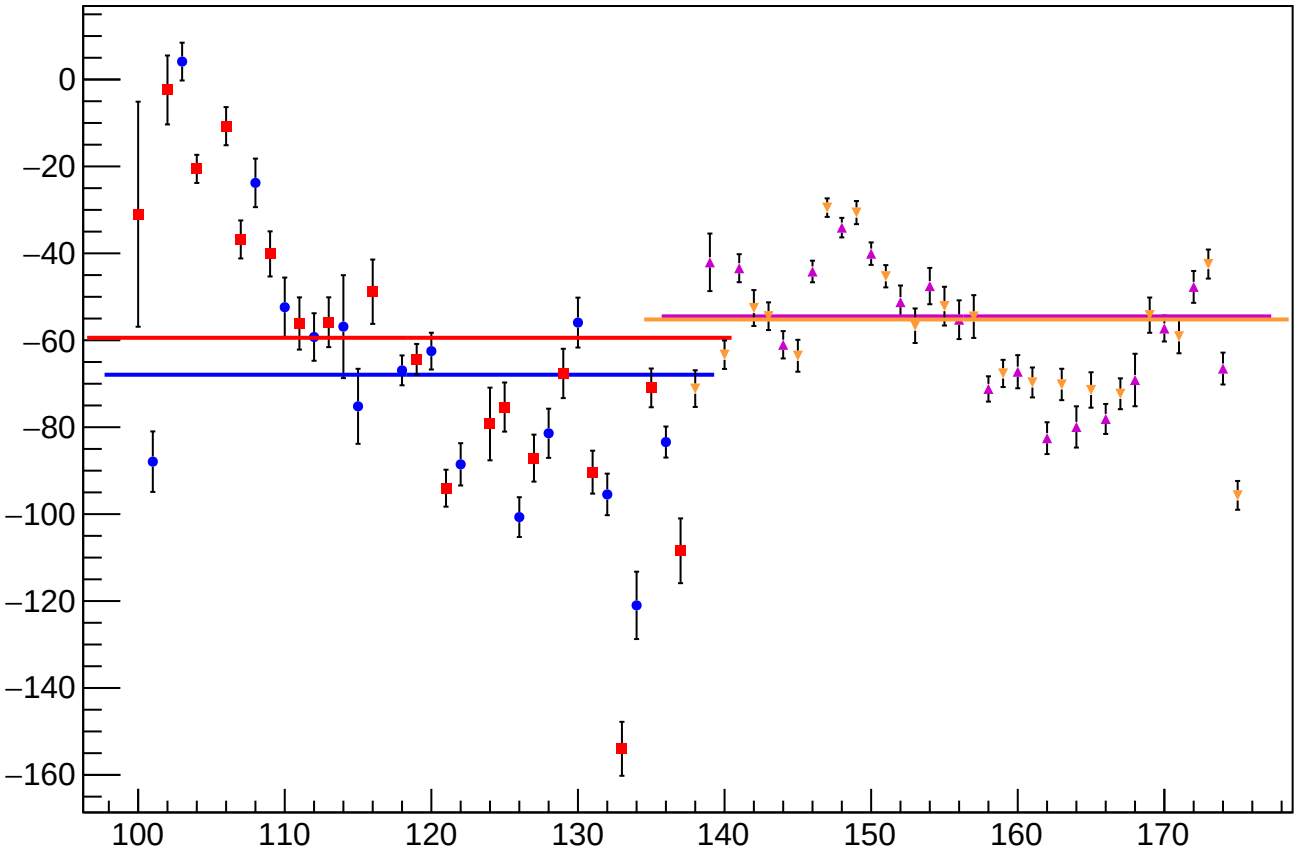
Left: -210.873+/-0.667 χ^2/NDF: 1359.0/37

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

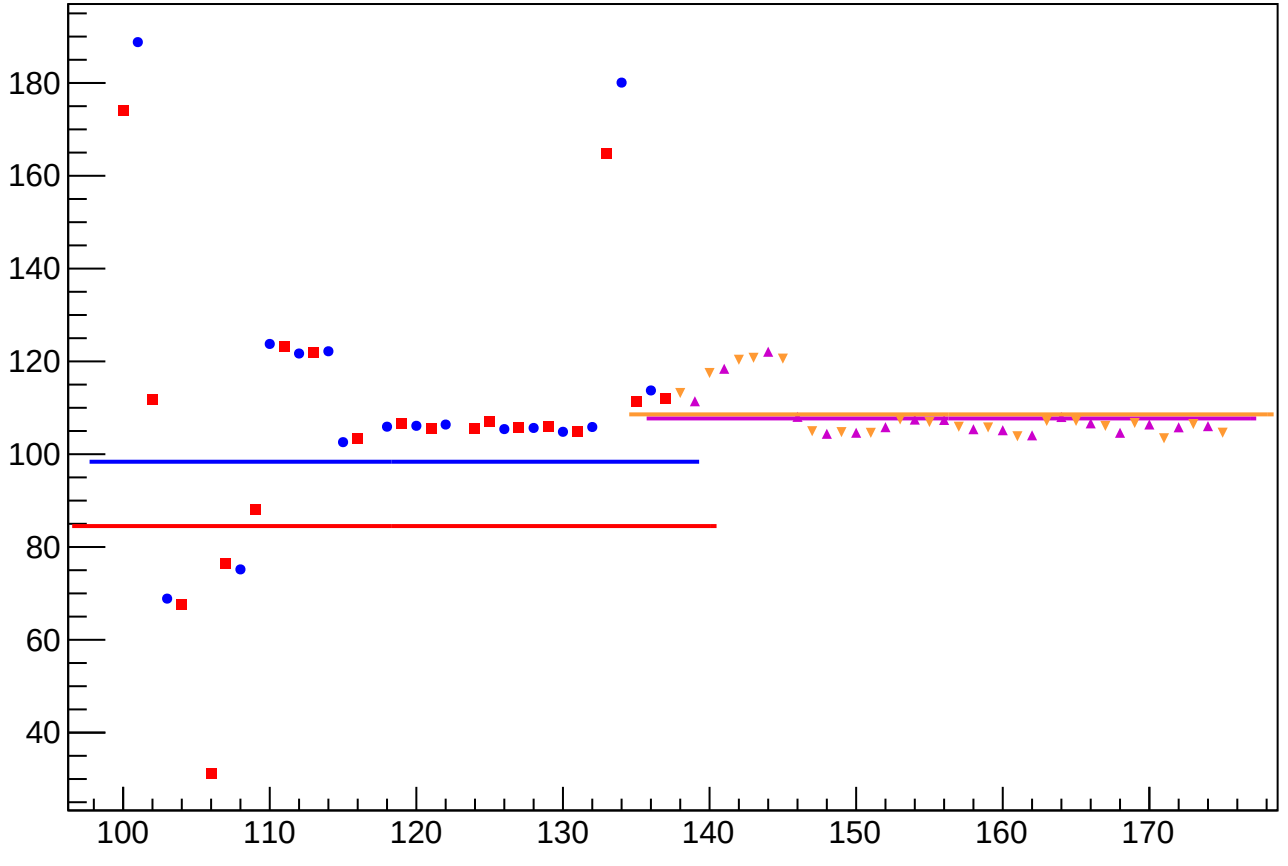
In: -218.612+/-0.747 χ^2/NDF:5015.7/33

Out: -205.831+/-0.703 χ^2/NDF:7643.5/38

All: -211.836+/-0.512 χ^2/NDF: 12814.6/72


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -67.927+/-1.278 χ2/NDF: 534.0/15
Left Out: -55.211+/-0.754 χ2/NDF:527.1/19
Right Out: -59.428+/-1.184 χ2/NDF: 794.9/18
Left In: -54.504+/-0.795 χ2/NDF:353.3/17
Left: -54.876+/-0.547 χ2/NDF: 880.8/37
Right: -63.353+/-0.869 χ2/NDF: 1352.7/34
In: -58.247+/-0.675 χ2/NDF:966.9/33
Out: -56.428+/-0.636 χ2/NDF:1331.0/38
All: -57.283+/-0.463 χ2/NDF: 2301.7/72

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.583+/-0.036 χ^2/NDF:25028.7/19

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.709+/-0.036 χ^2/NDF:15769.9/17

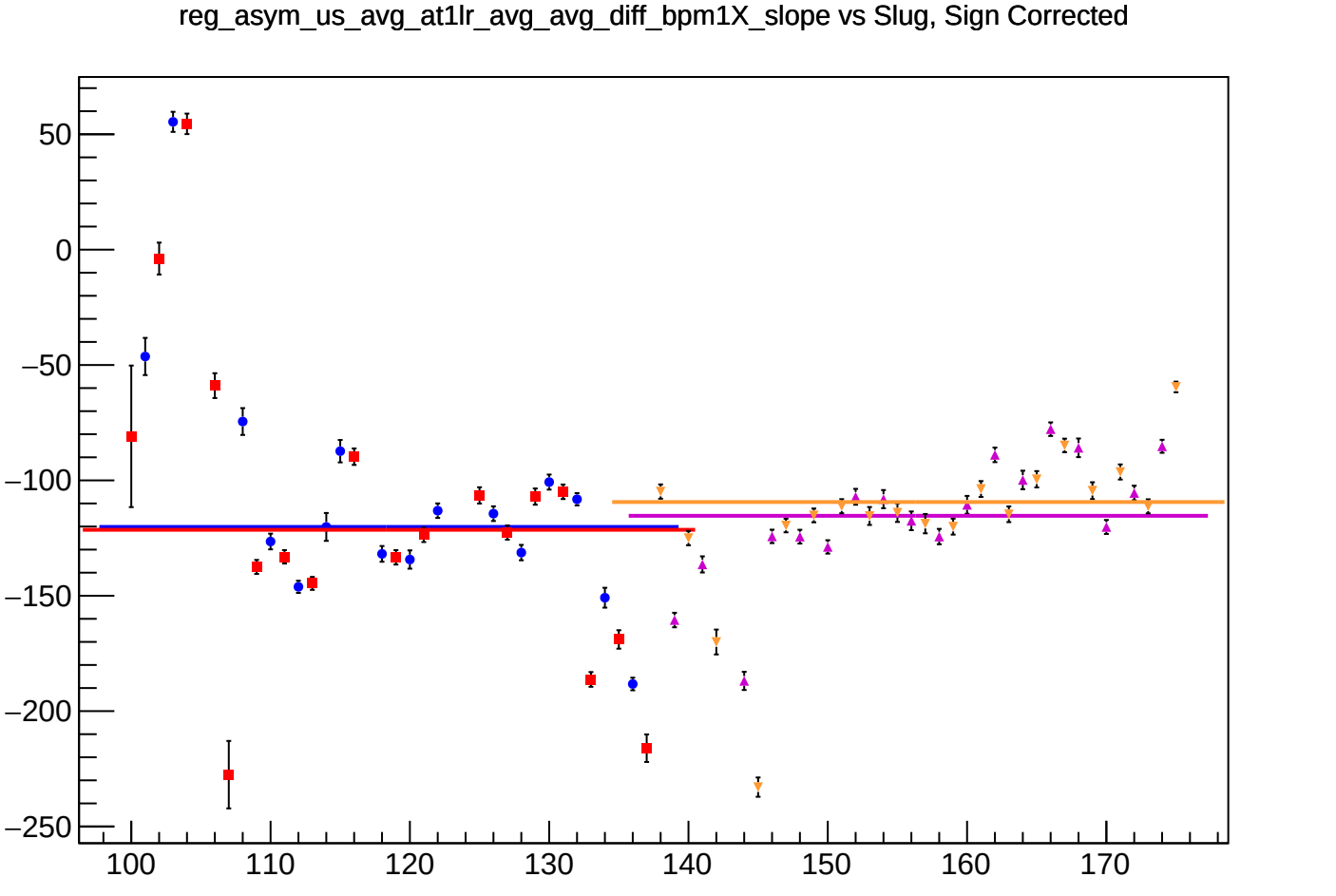
Left: 108.155+/-0.025 χ^2/NDF: 41092.3/37

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.531+/-0.032 χ^2/NDF:259497.5/33

Out: 102.388+/-0.031 χ^2/NDF:410999.6/38

All: 103.902+/-0.022 χ^2/NDF: 675525.3/72



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -109.384+/-0.760 χ^2/NDF:1627.7/18

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -115.350+/-0.782 χ^2/NDF:1055.3/17

Left: -112.281+/-0.545 χ^2/NDF: 2713.0/36

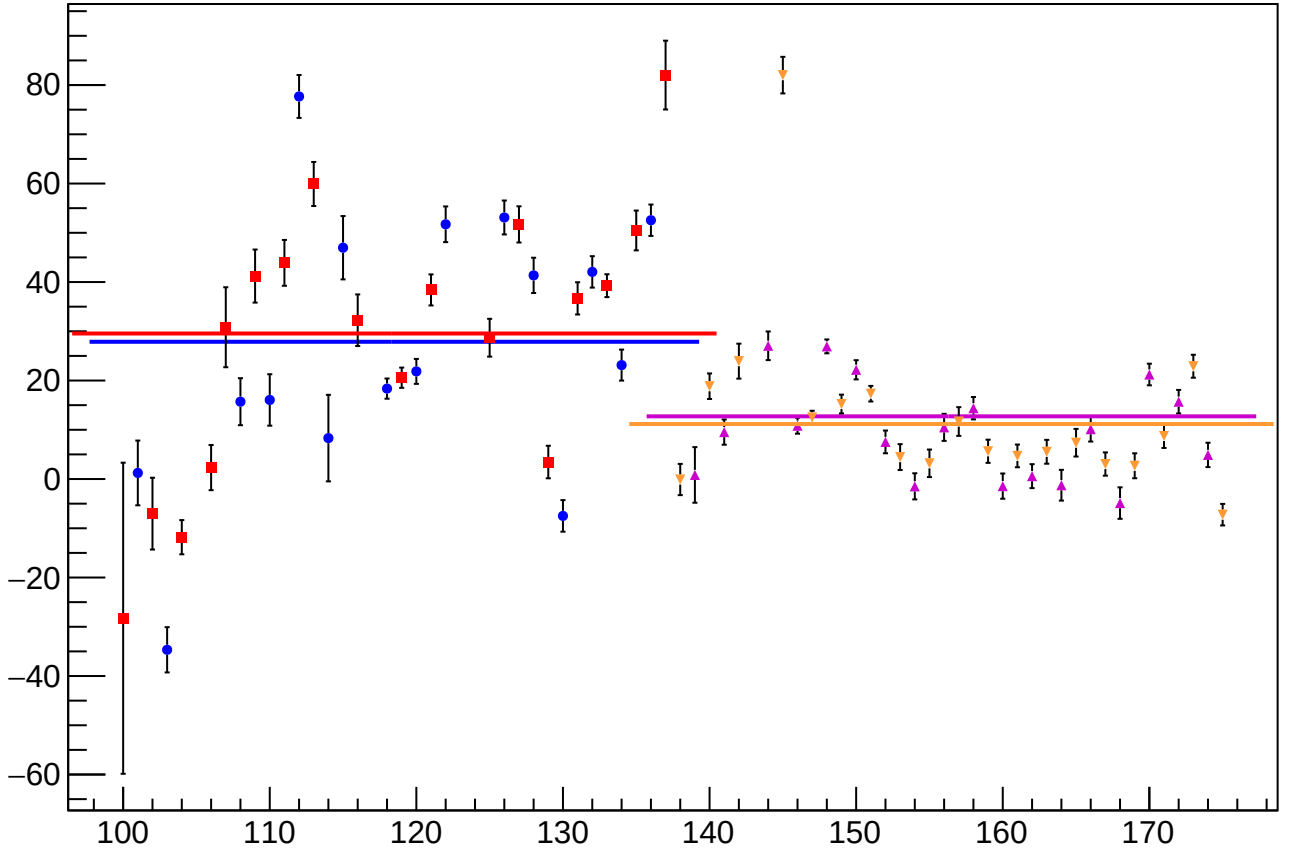
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -117.451+/-0.588 χ^2/NDF:3763.1/33

Out: -114.556+/-0.574 χ^2/NDF:4861.9/36

All: -115.969+/-0.411 χ^2/NDF: 8637.4/70

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.166+/-0.529 χ^2/NDF:574.4/18

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.731+/-0.548 χ^2/NDF:325.3/17

Left: 11.921+/-0.381 χ^2/NDF: 903.9/36

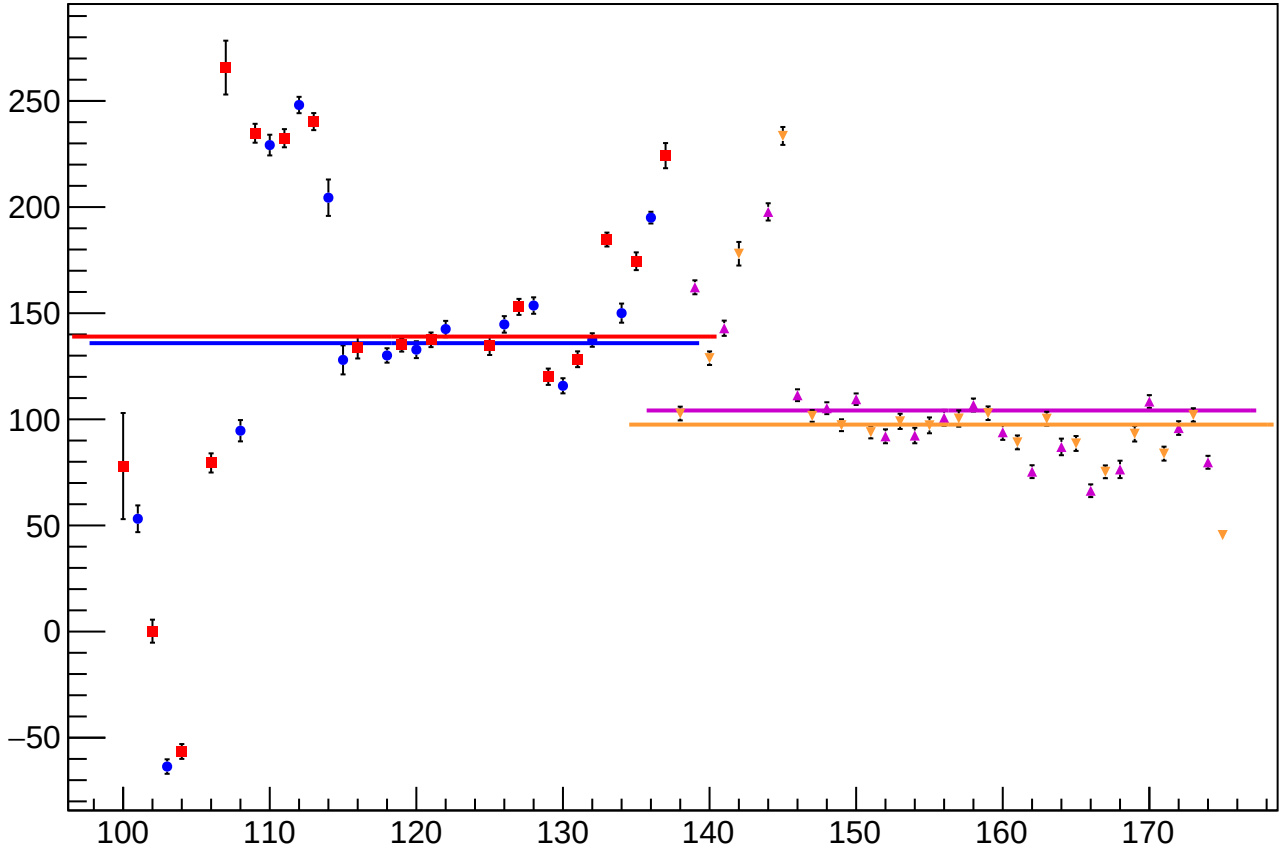
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 16.905+/-0.466 χ^2/NDF:1235.4/33

Out: 15.969+/-0.455 χ^2/NDF:1387.4/36

All: 16.425+/-0.326 χ^2/NDF: 2624.9/70

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 97.516+/-0.744 χ^2/NDF:1955.0/18

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 104.165+/-0.766 χ^2/NDF:1388.9/17

Left: 100.741+/-0.534 χ^2/NDF: 3382.7/36

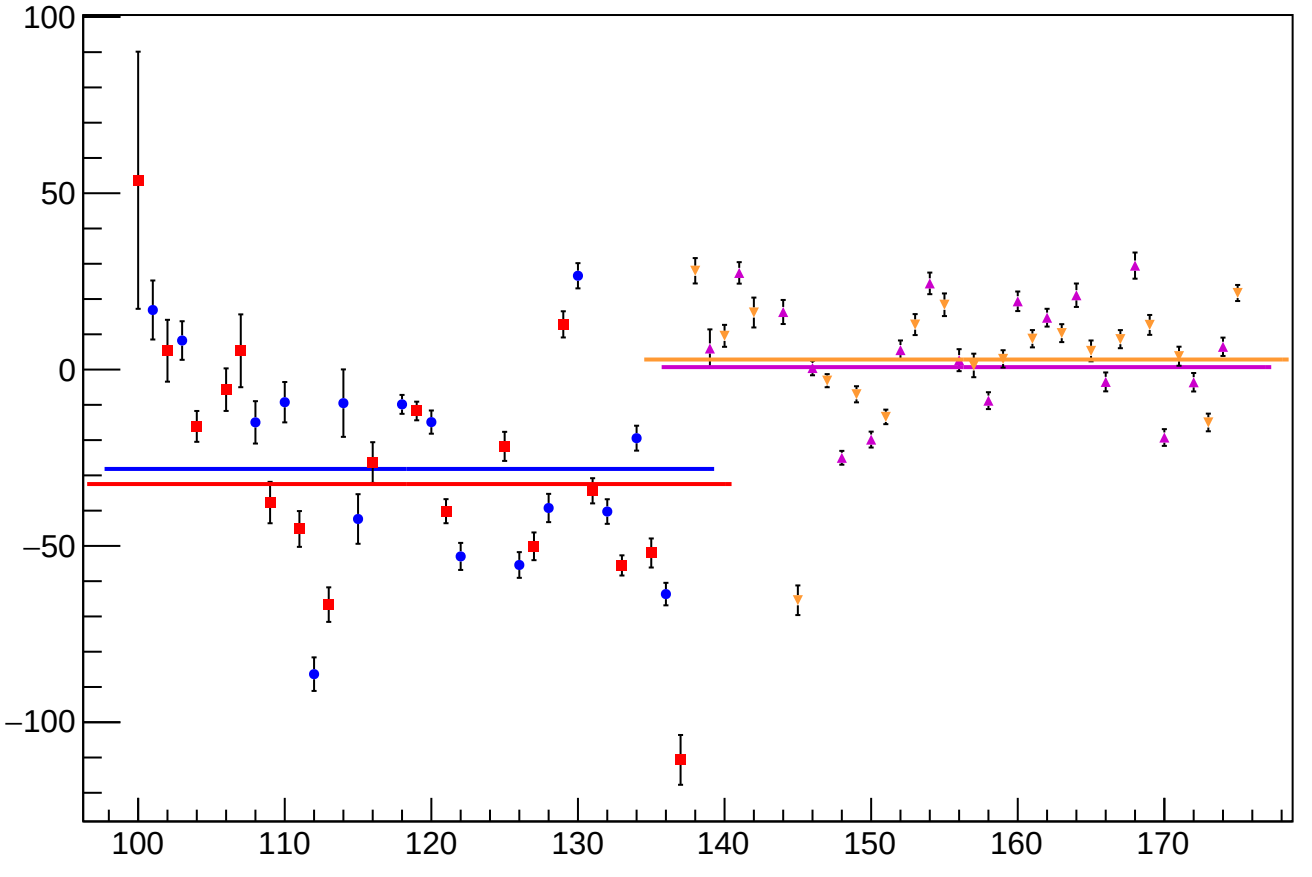
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 115.922+/-0.608 χ^2/NDF:7487.6/33

Out: 112.315+/-0.596 χ^2/NDF:9221.2/36

All: 114.084+/-0.426 χ^2/NDF: 16726.7/70

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.853+/-0.611 χ^2/NDF:604.9/18

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.695+/-0.633 χ^2/NDF:688.2/17

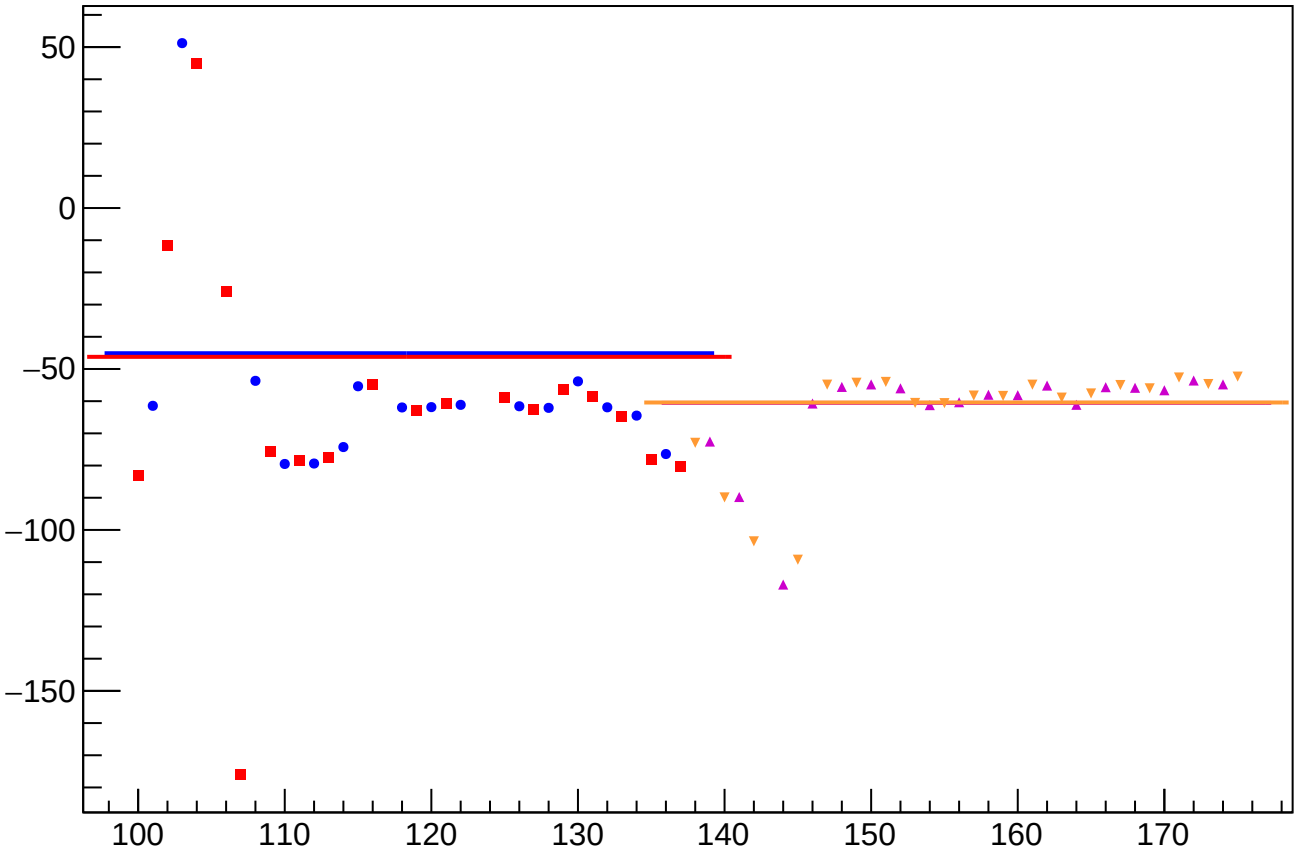
Left: 1.811+/-0.440 χ^2/NDF: 1299.1/36

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -7.300+/-0.538 χ^2/NDF:2056.1/33

Out: -6.380+/-0.525 χ^2/NDF:2058.2/36

All: -6.829+/-0.376 χ^2/NDF: 4115.9/70



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -60.410+/-0.028 χ^2/NDF:202531.1/18

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -60.542+/-0.028 χ^2/NDF:165972.9/17

Left: -60.476+/-0.020 χ^2/NDF: 368514.8/36

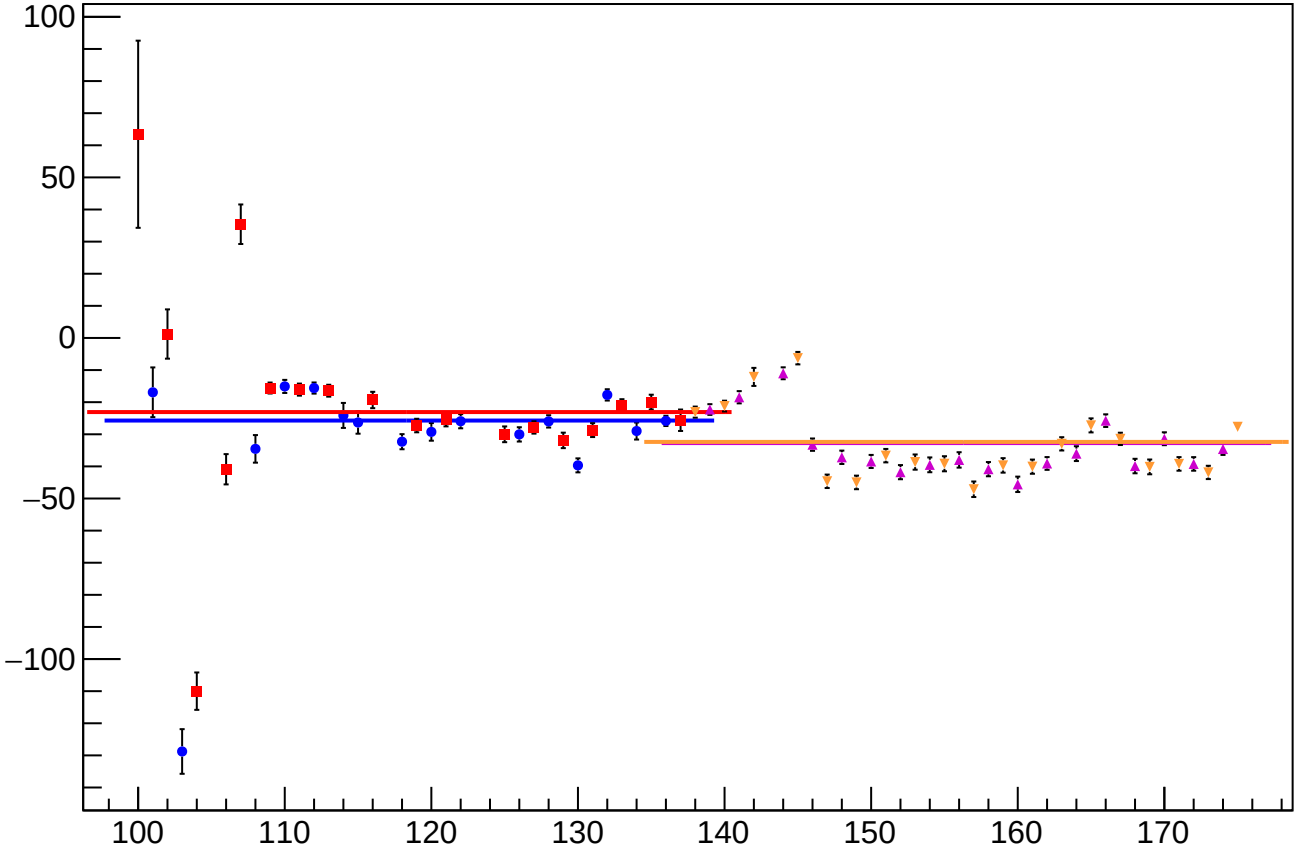
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.725+/-0.026 χ^2/NDF:795027.9/33

Out: -58.011+/-0.026 χ^2/NDF:738804.1/36

All: -57.868+/-0.018 χ^2/NDF: 1533893.6/70

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.373+/-0.473 χ^2/NDF:512.7/18

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.737+/-0.484 χ^2/NDF:362.5/17

Left: -32.551+/-0.338 χ^2/NDF: 875.5/36

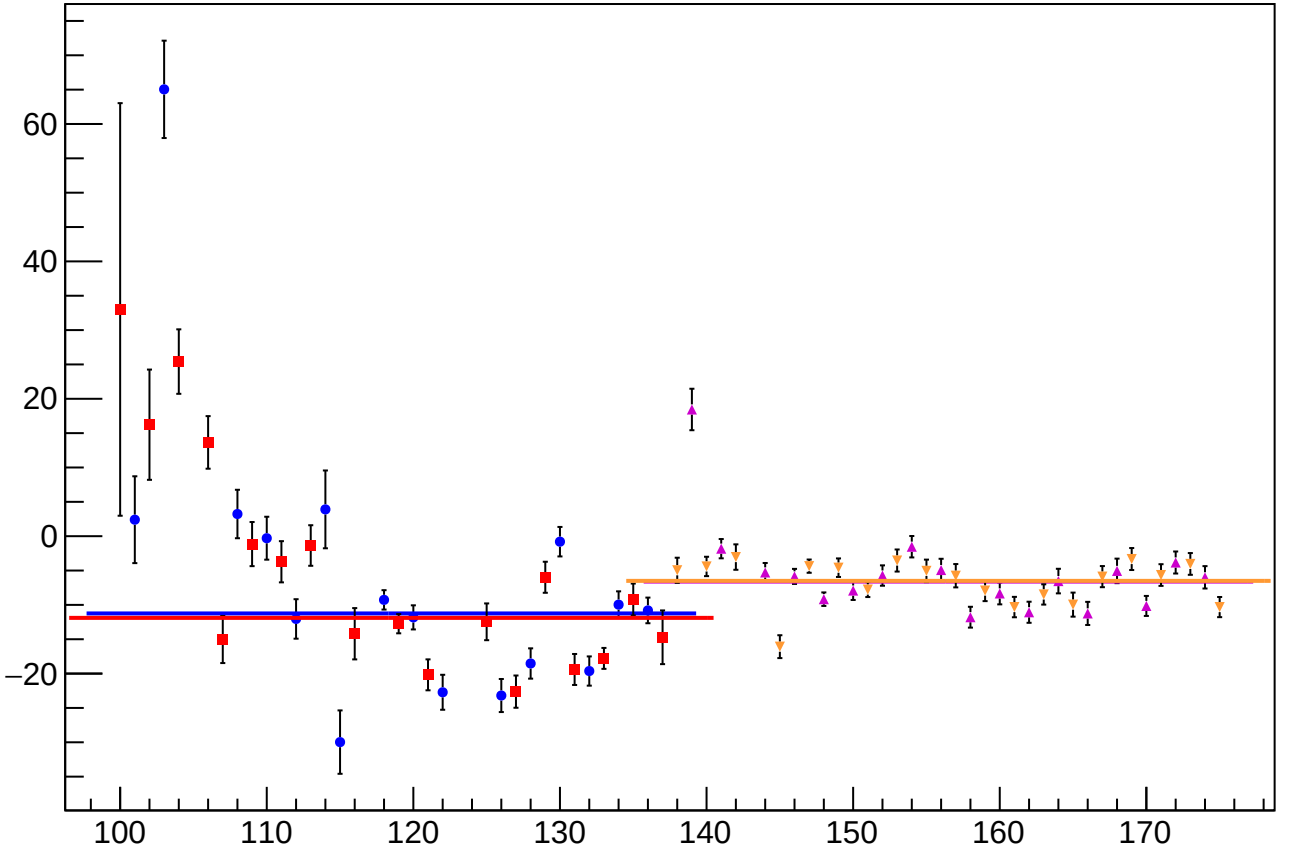
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.917+/-0.374 χ^2/NDF:810.0/33

Out: -28.675+/-0.367 χ^2/NDF:1103.4/36

All: -29.284+/-0.262 χ^2/NDF: 1919.0/70

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.504+/-0.338 χ^2/NDF:78.9/18

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.611+/-0.348 χ^2/NDF:140.4/17

Left: -6.556+/-0.242 χ^2/NDF: 219.4/36

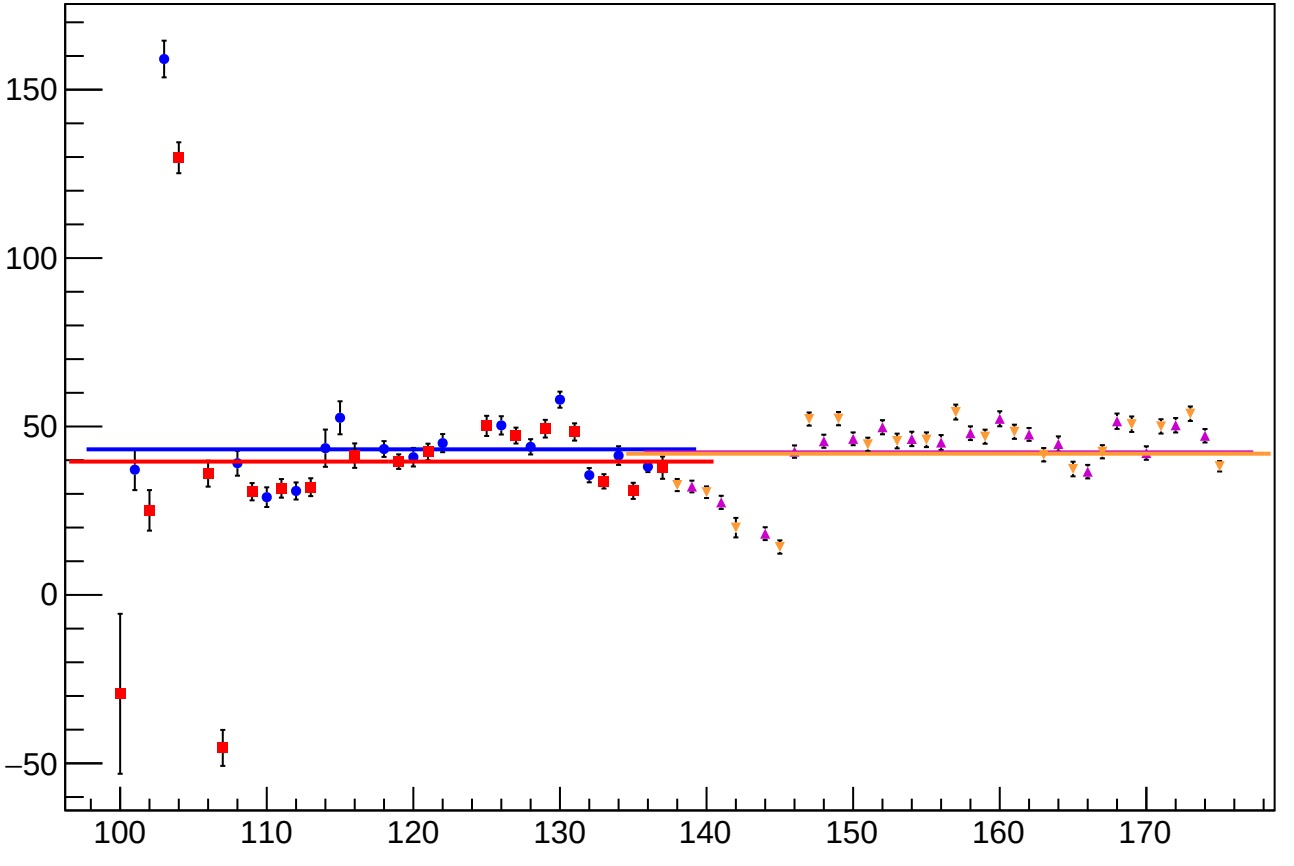
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.778+/-0.301 χ^2/NDF:456.1/33

Out: -7.777+/-0.295 χ^2/NDF:363.5/36

All: -7.777+/-0.211 χ^2/NDF: 819.7/70

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.930+/-0.465 χ^2/NDF:503.4/18

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.317+/-0.476 χ^2/NDF:357.1/17

Left: 42.119+/-0.333 χ^2/NDF: 860.9/36

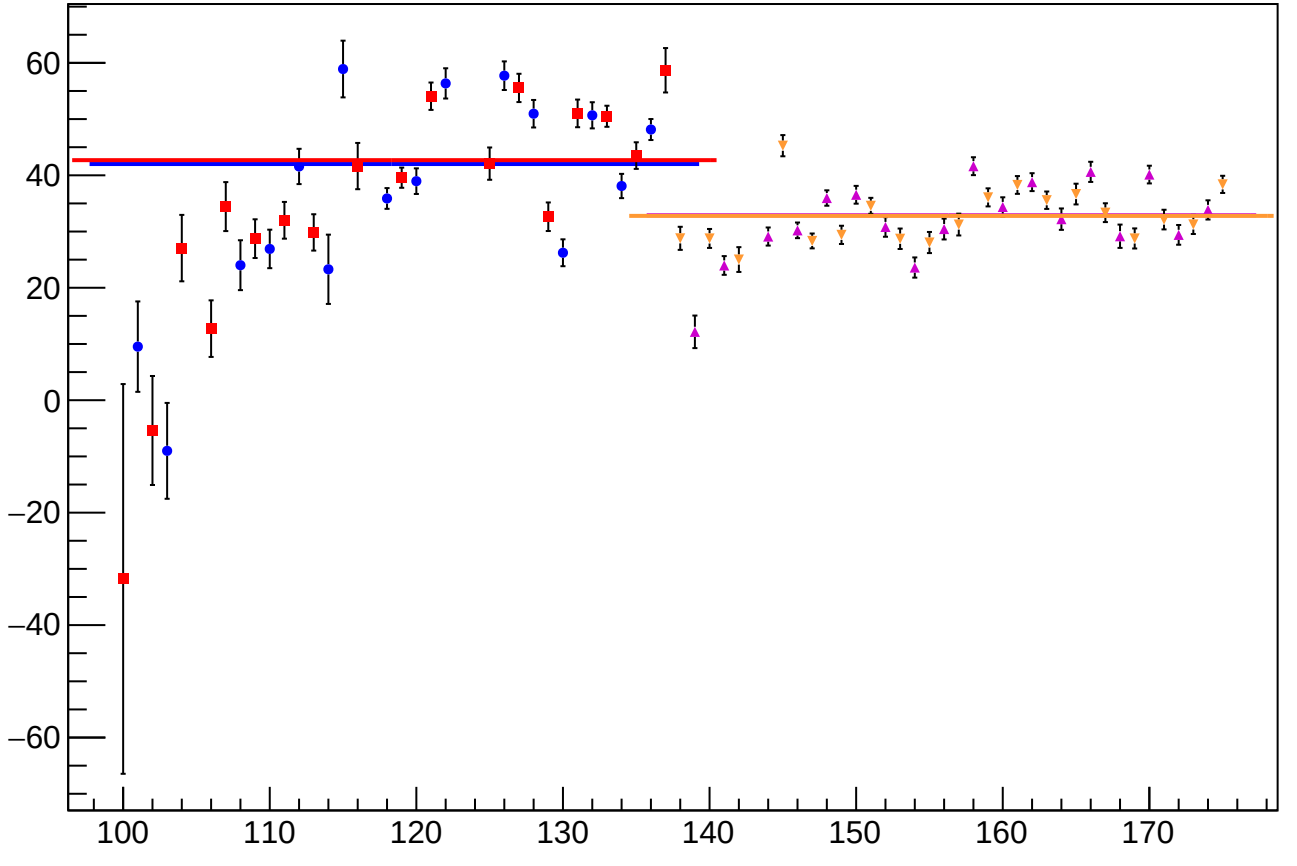
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.616+/-0.390 χ^2/NDF:934.3/33

Out: 41.191+/-0.385 χ^2/NDF:1265.5/36

All: 41.894+/-0.274 χ^2/NDF: 2206.5/70

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.786+/-0.388 χ^2/NDF:138.5/18

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.894+/-0.400 χ^2/NDF:221.4/17

Left: 32.838+/-0.278 χ^2/NDF: 359.9/36

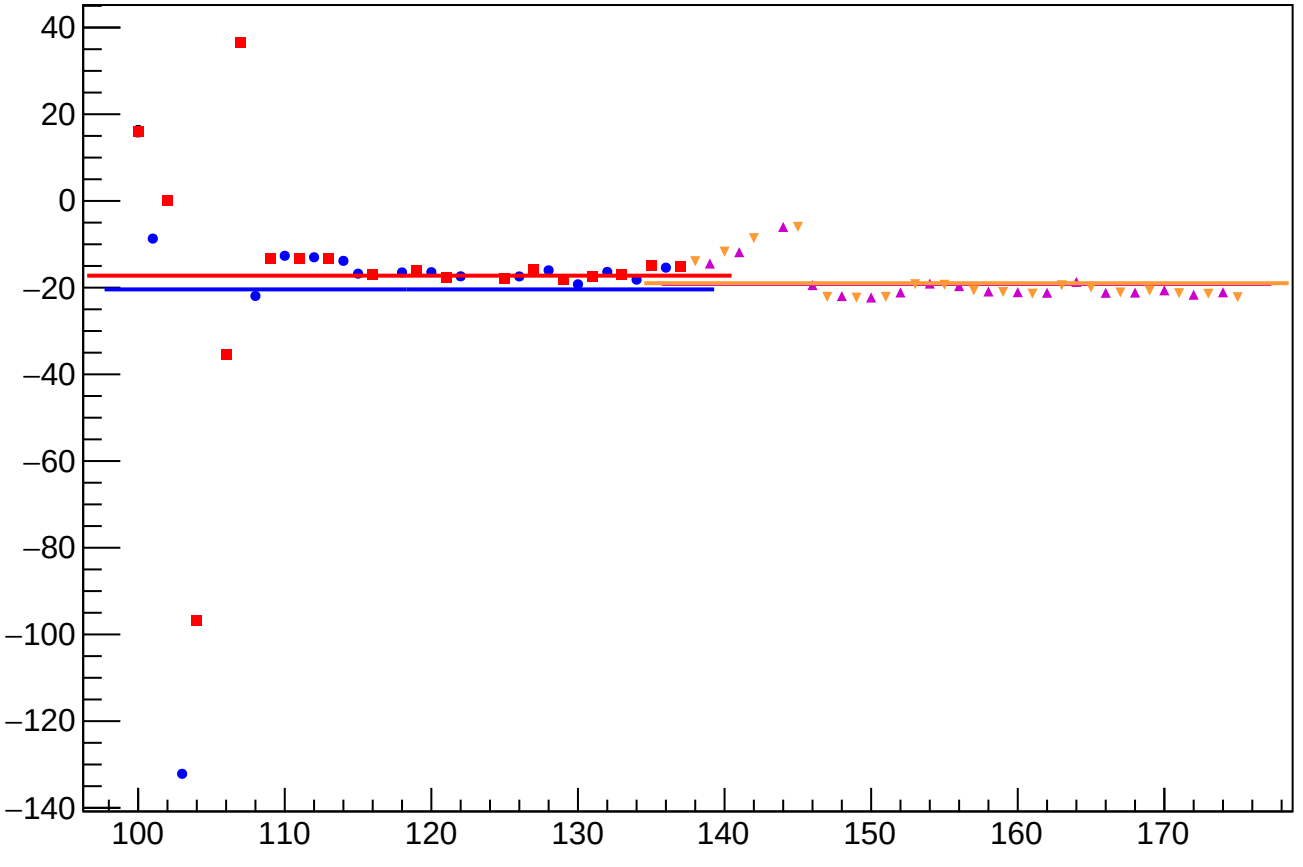
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.214+/-0.345 χ^2/NDF:626.5/33

Out: 35.141+/-0.339 χ^2/NDF:523.9/36

All: 35.177+/-0.242 χ^2/NDF: 1150.4/70

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.980+/-0.018 χ^2/NDF:62162.3/18

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.162+/-0.018 χ^2/NDF:47150.0/17

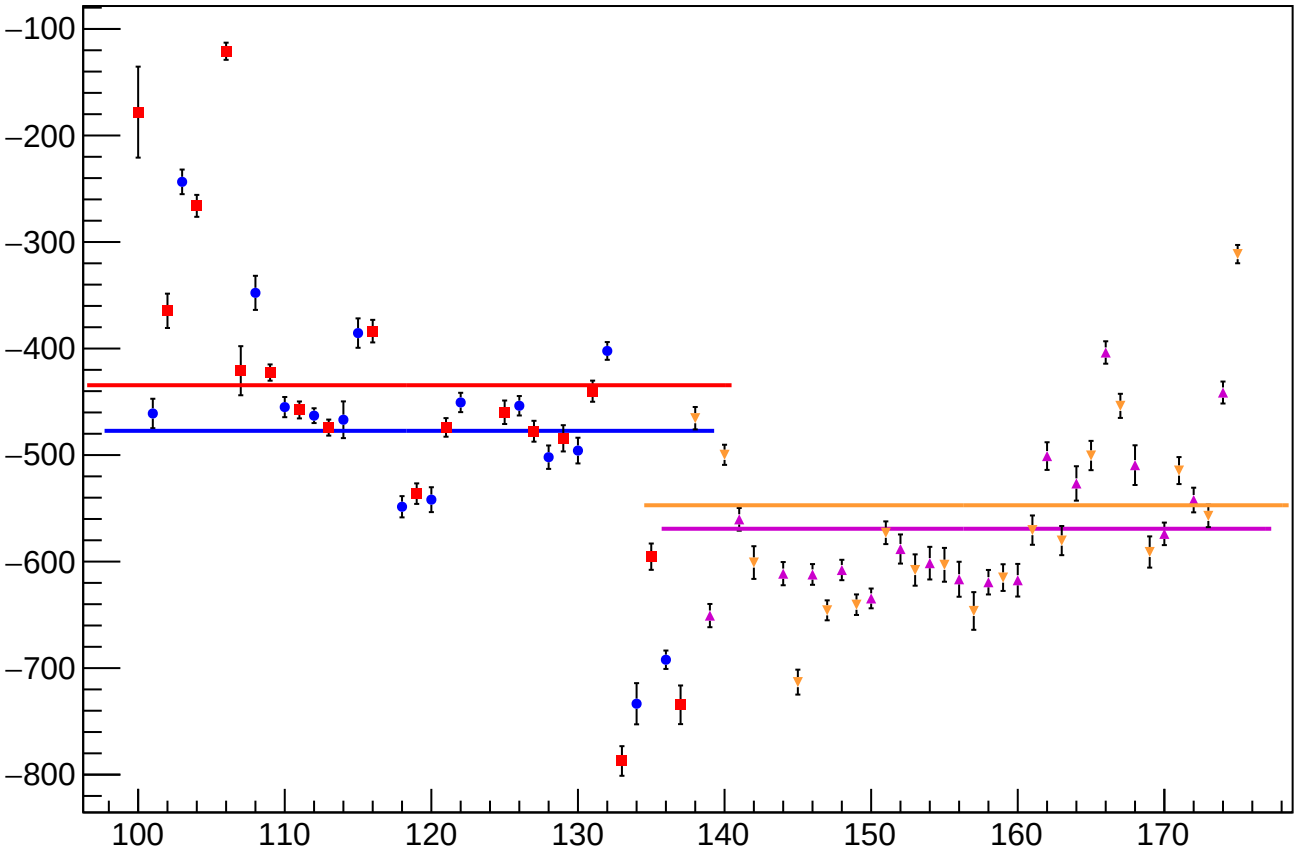
Left: -19.071+/-0.012 χ^2/NDF: 109365.7/36

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.349+/-0.016 χ^2/NDF:293509.0/33

Out: -18.741+/-0.016 χ^2/NDF:268169.1/36

All: -19.046+/-0.012 χ^2/NDF: 562375.2/70



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -547.122+/-2.692 χ^2/NDF:1457.0/18

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -569.182+/-2.759 χ^2/NDF:652.2/17

Left: -557.883+/-1.927 χ^2/NDF: 2141.9/36

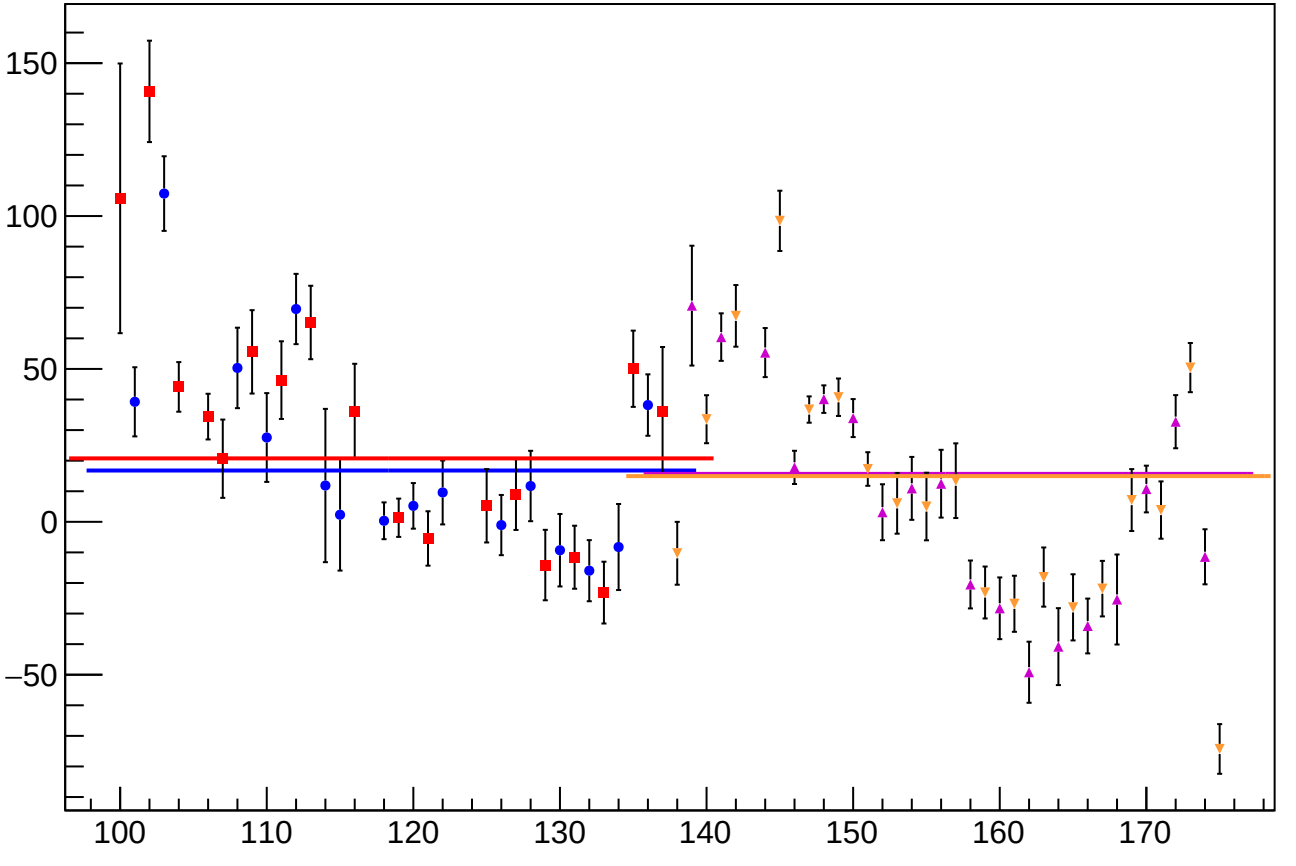
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -521.074+/-1.905 χ^2/NDF:2744.1/33

Out: -485.796+/-1.818 χ^2/NDF:5572.2/36

All: -502.609+/-1.315 χ^2/NDF: 8495.8/70

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 14.951+/-1.846 χ^2/NDF:382.3/18

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 15.676+/-1.905 χ^2/NDF:260.4/17

Left: 15.302+/-1.326 χ^2/NDF: 642.8/36

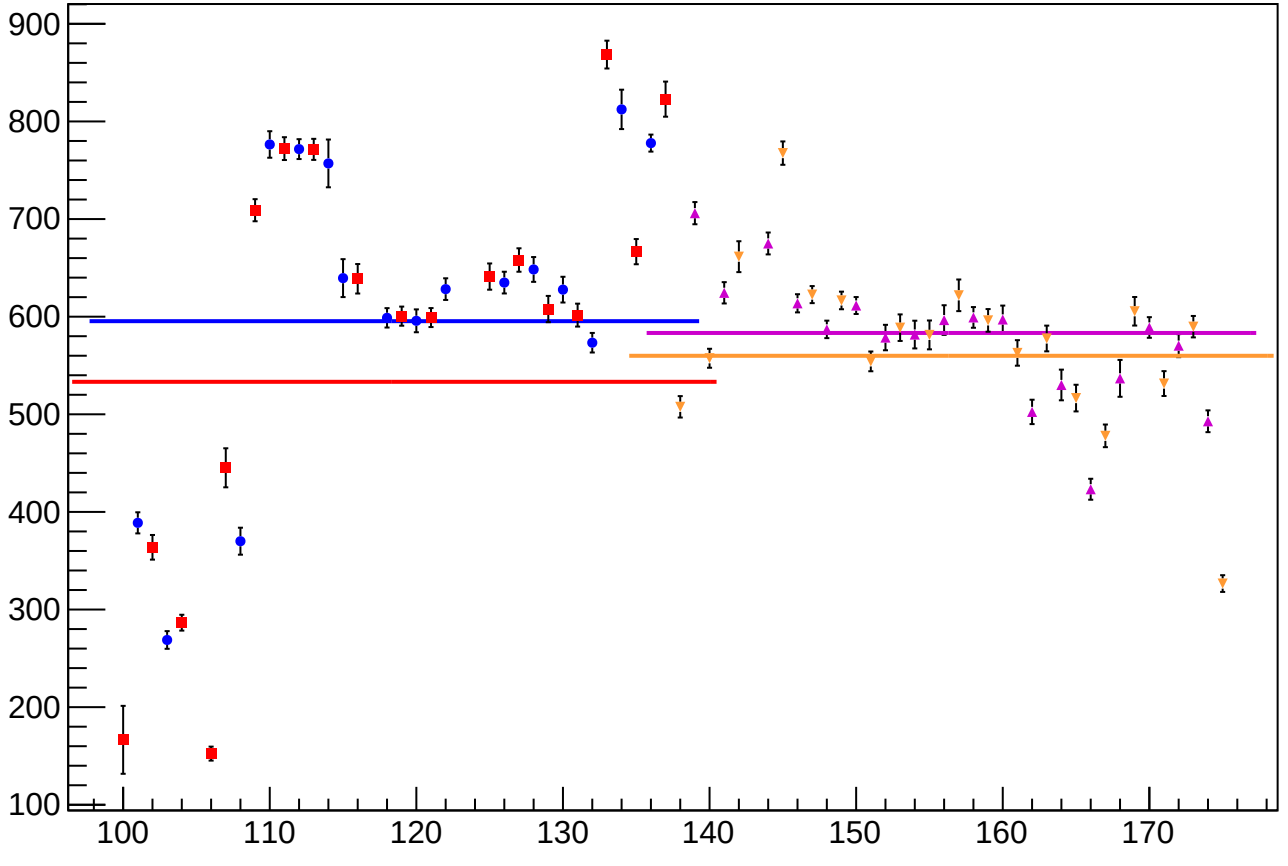
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.052+/-1.548 χ^2/NDF:385.5/33

Out: 16.946+/-1.495 χ^2/NDF:543.6/36

All: 16.514+/-1.075 χ^2/NDF: 929.3/70

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 559.944+/-2.641 χ^2/NDF:1313.1/18

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 583.325+/-2.707 χ^2/NDF:572.3/17

Left: 571.346+/-1.890 χ^2/NDF: 1923.7/36

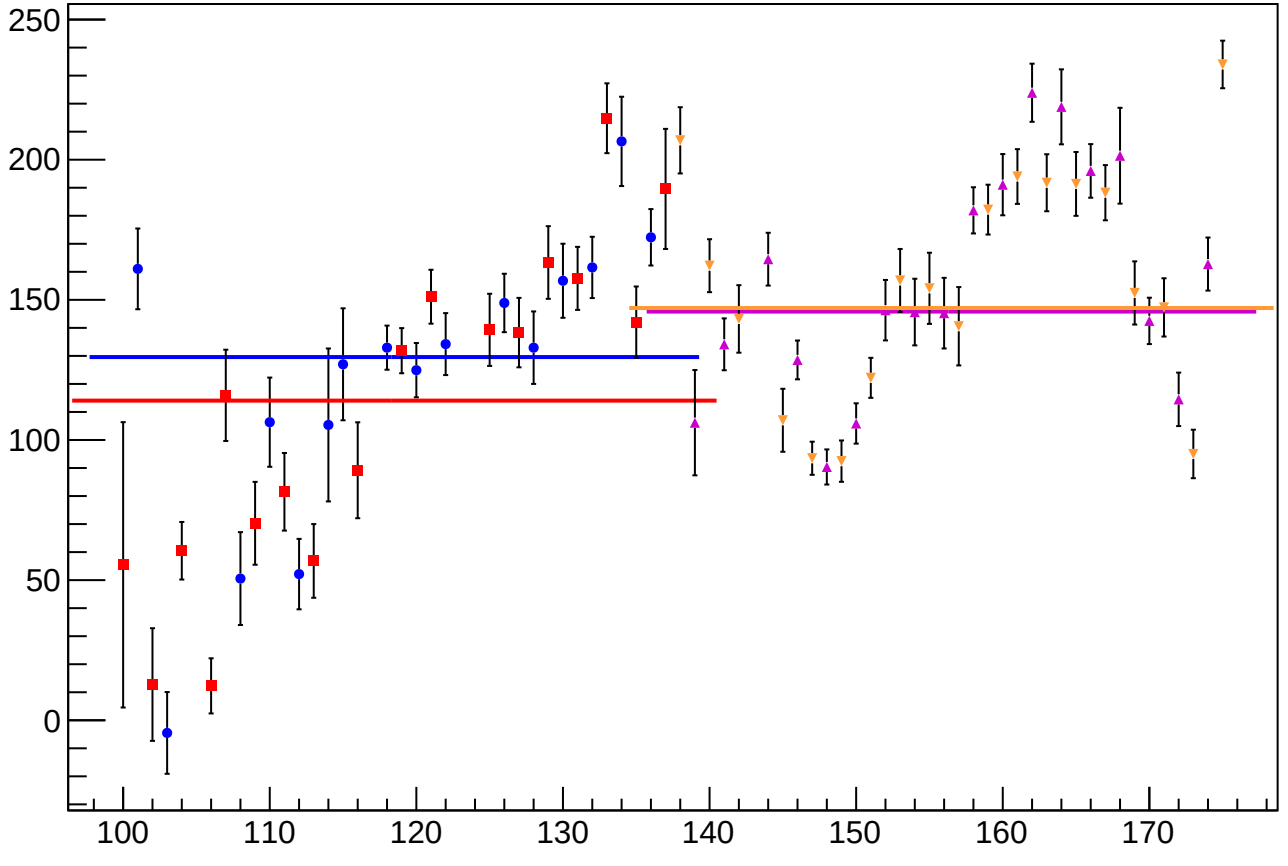
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 588.888+/-1.988 χ^2/NDF:3641.2/33

Out: 547.135+/-1.903 χ^2/NDF:7865.0/36

All: 567.104+/-1.375 χ^2/NDF: 11736.3/70

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.083+/-2.160 χ^2/NDF:423.6/18

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 145.814+/-2.222 χ^2/NDF:300.4/17

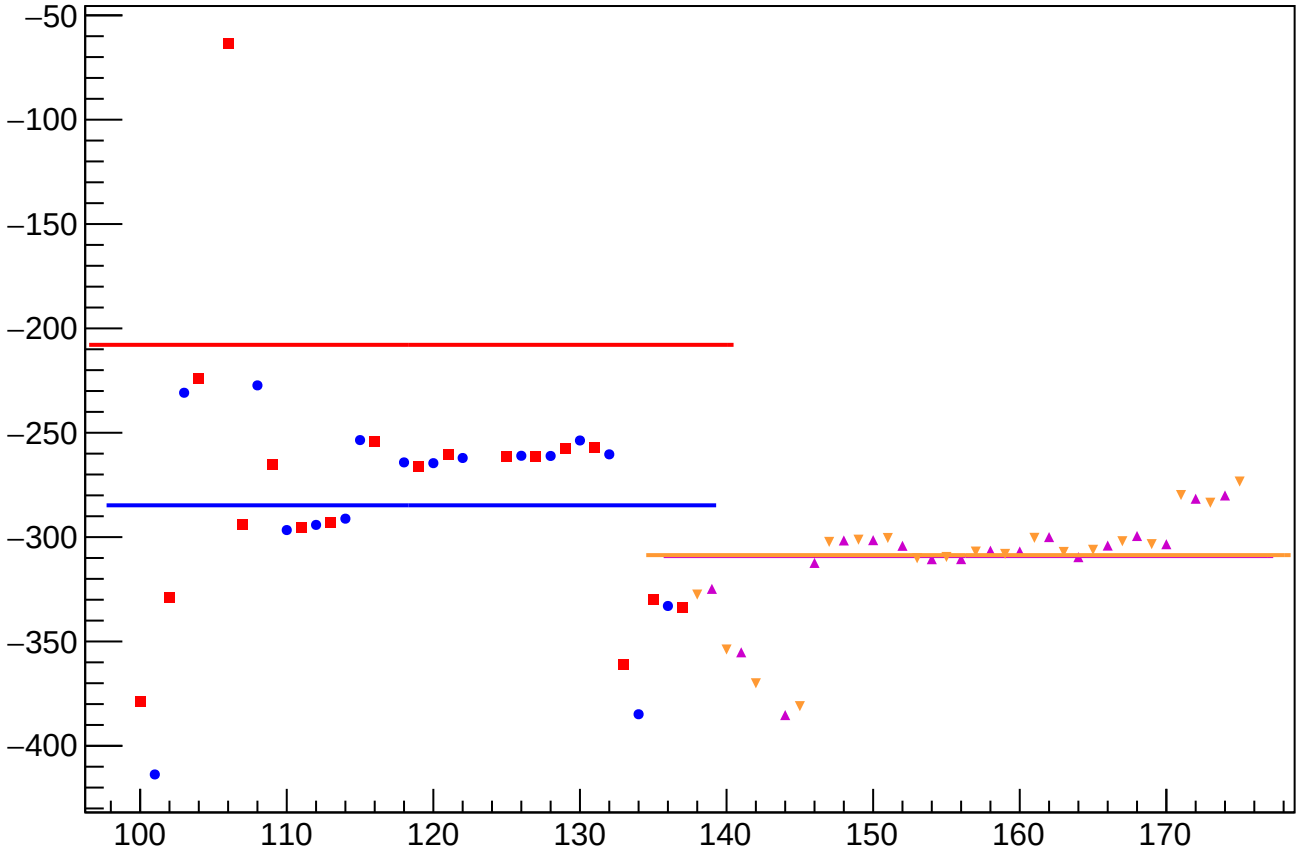
Left: 146.466+/-1.549 χ^2/NDF: 724.1/36

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 140.260+/-1.802 χ^2/NDF:529.9/33

Out: 135.685+/-1.748 χ^2/NDF:840.2/36

All: 137.903+/-1.255 χ^2/NDF: 1373.4/70



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -308.627+/-0.102 χ^2/NDF:63303.9/18

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -309.090+/-0.102 χ^2/NDF:47310.0/17

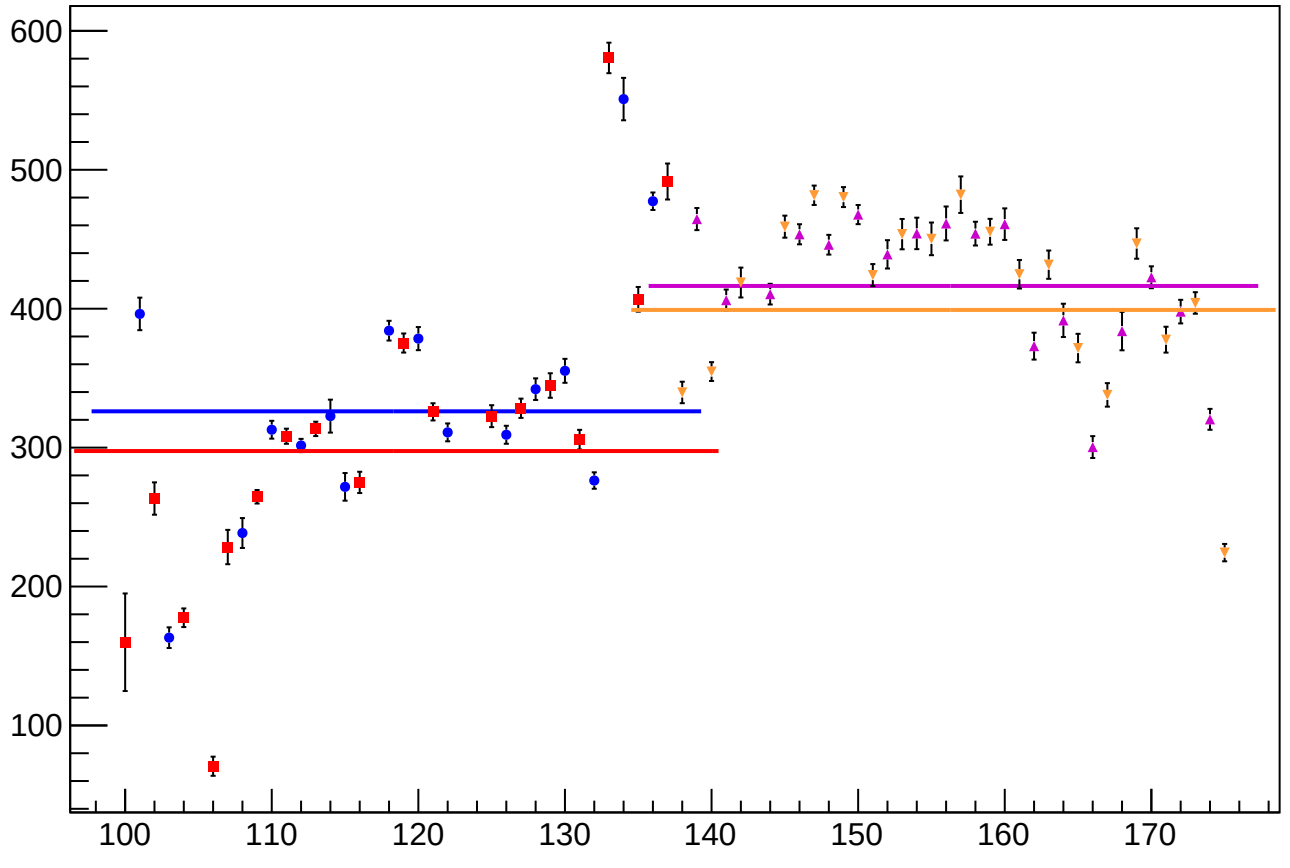
Left: -308.859+/-0.072 χ^2/NDF: 110624.2/36

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -303.070+/-0.088 χ^2/NDF:165804.9/33

Out: -276.432+/-0.084 χ^2/NDF:911800.7/36

All: -289.104+/-0.061 χ^2/NDF: 1125288.2/70



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 399.121+/-1.974 χ^2/NDF:1440.7/18

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 416.379+/-2.028 χ^2/NDF:618.4/17

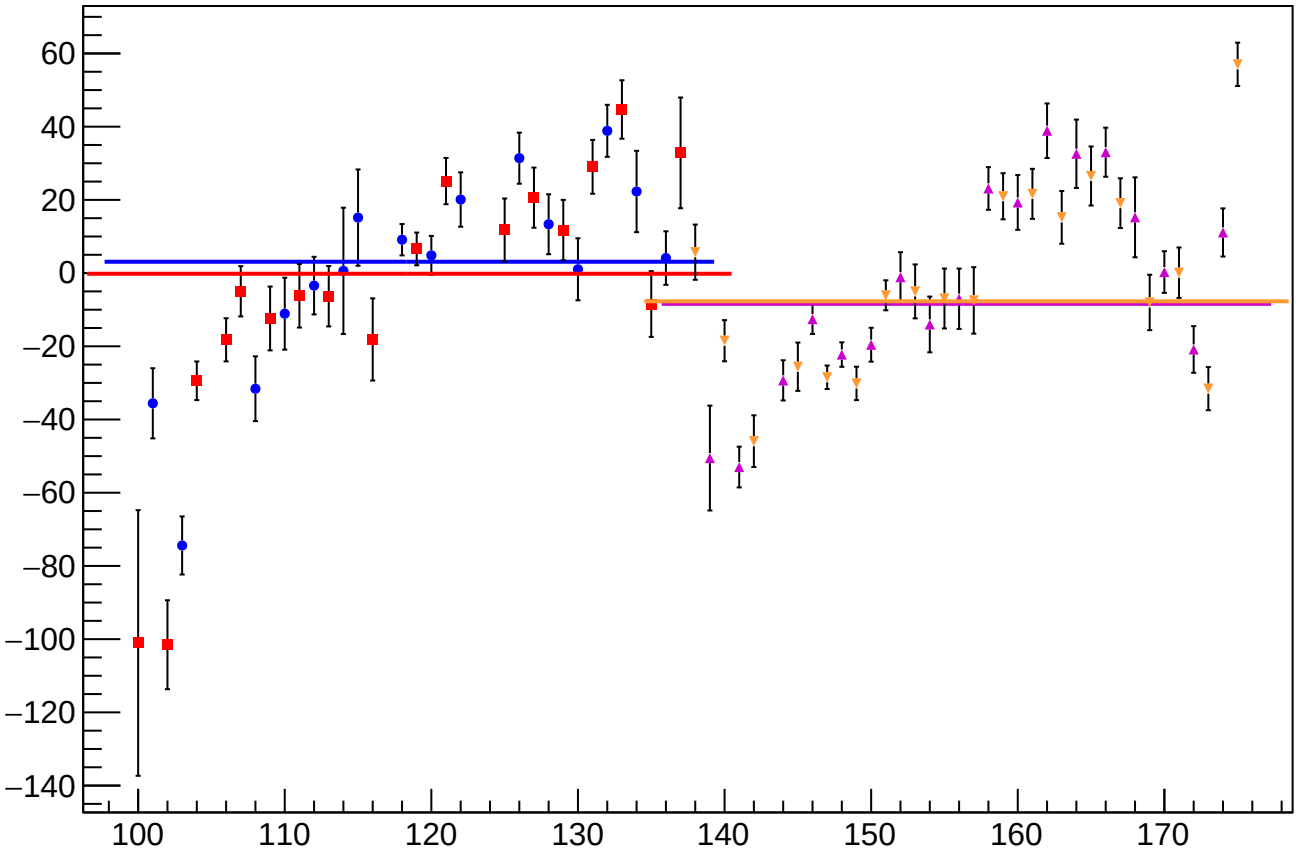
Left: 407.521+/-1.415 χ^2/NDF: 2096.3/36

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 367.297+/-1.369 χ^2/NDF:3338.9/33

Out: 341.788+/-1.303 χ^2/NDF:5710.1/36

All: 353.911+/-0.944 χ^2/NDF: 9231.0/70



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -7.704+/-1.359 χ^2/NDF:330.1/18

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -8.390+/-1.404 χ^2/NDF:273.6/17

Left: -8.036+/-0.976 χ^2/NDF: 603.8/36

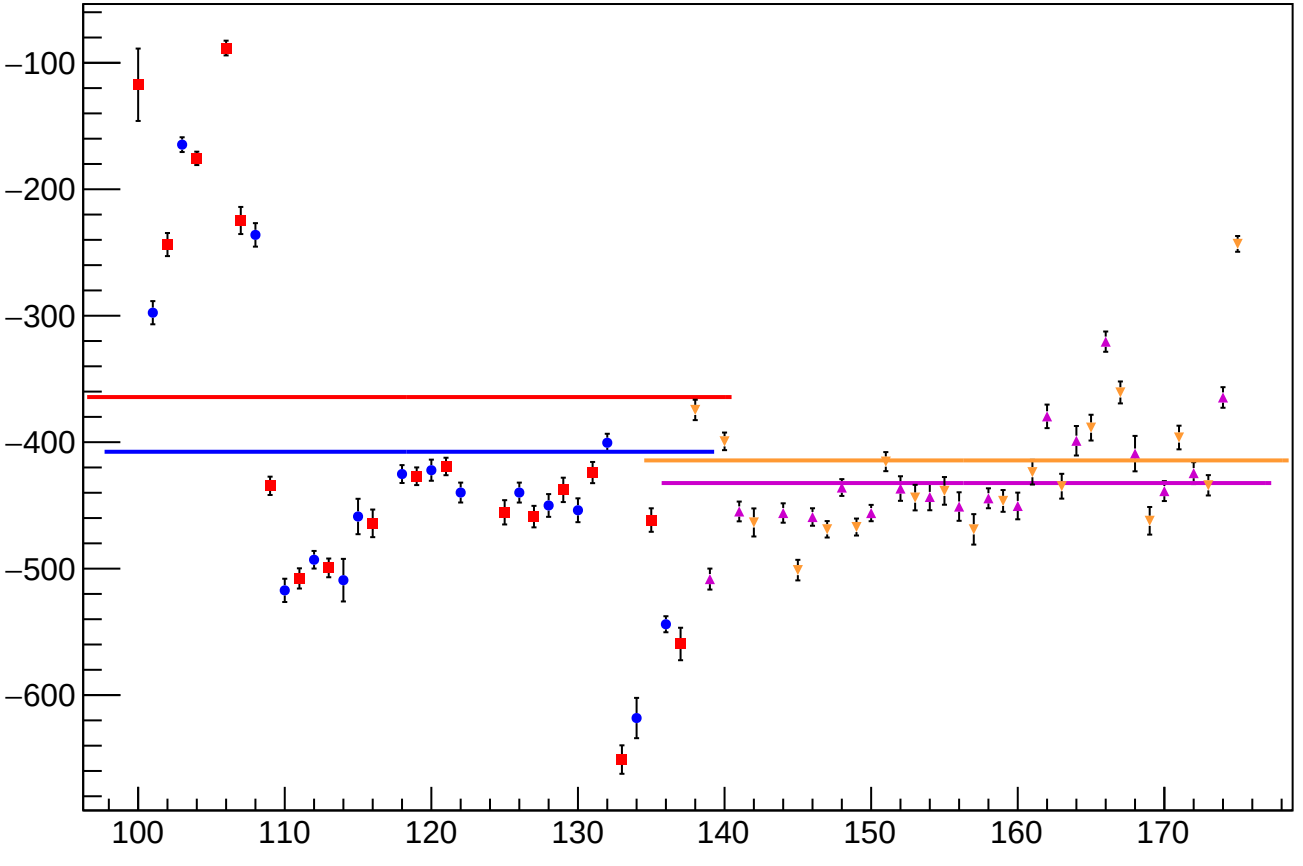
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.310+/-1.127 χ^2/NDF:481.9/33

Out: -4.955+/-1.083 χ^2/NDF:546.5/36

All: -4.646+/-0.781 χ^2/NDF: 1028.6/70

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -414.417+/-1.939 χ^2/NDF:1173.9/18

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -432.324+/-1.991 χ^2/NDF:447.9/17

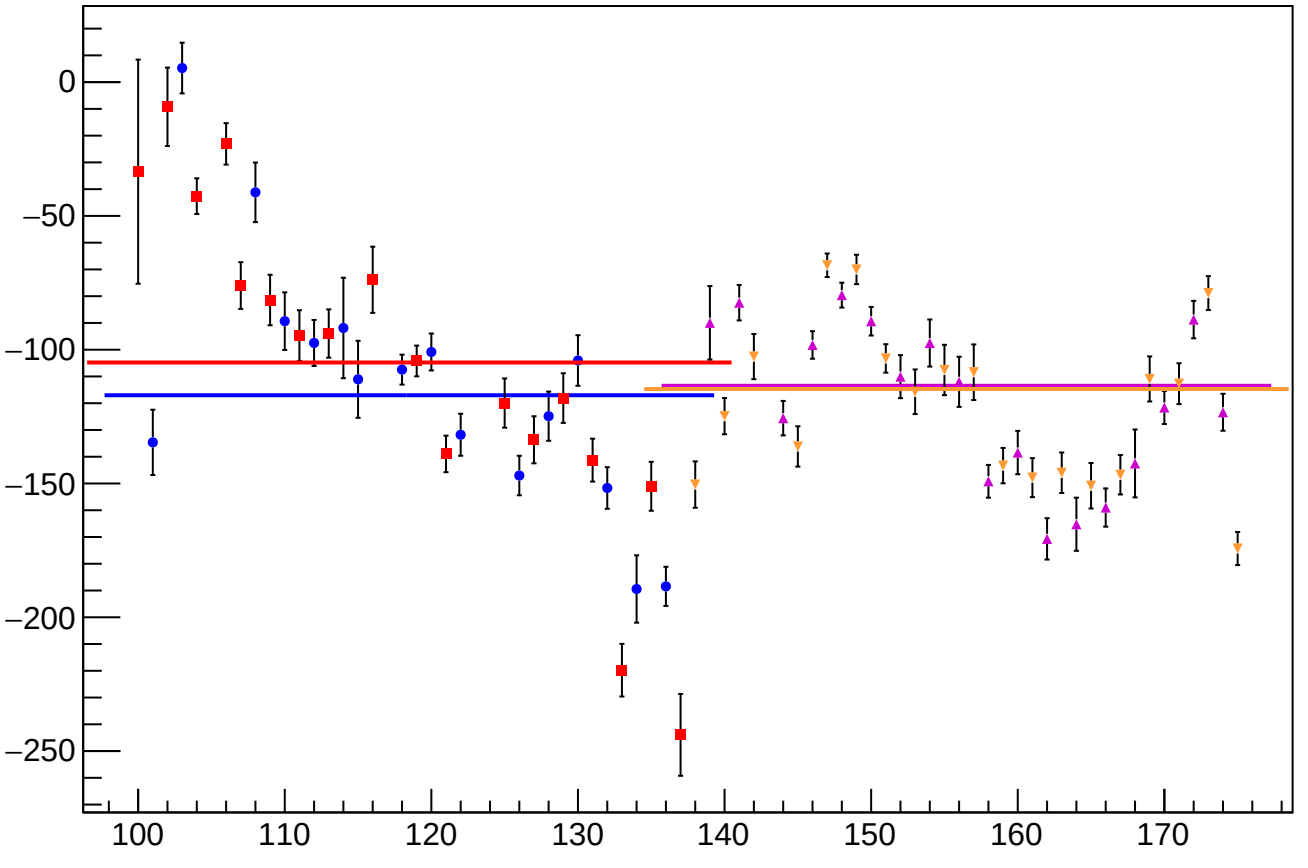
Left: -423.132+/-1.389 χ^2/NDF: 1663.3/36

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -420.451+/-1.436 χ^2/NDF:3802.5/33

Out: -389.413+/-1.372 χ^2/NDF:7727.5/36

All: -404.225+/-0.992 χ^2/NDF: 11774.1/70



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.698+/-1.590 χ^2/NDF:430.6/18

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.490+/-1.637 χ^2/NDF:301.6/17

Left: -114.112+/-1.140 χ^2/NDF: 732.5/36

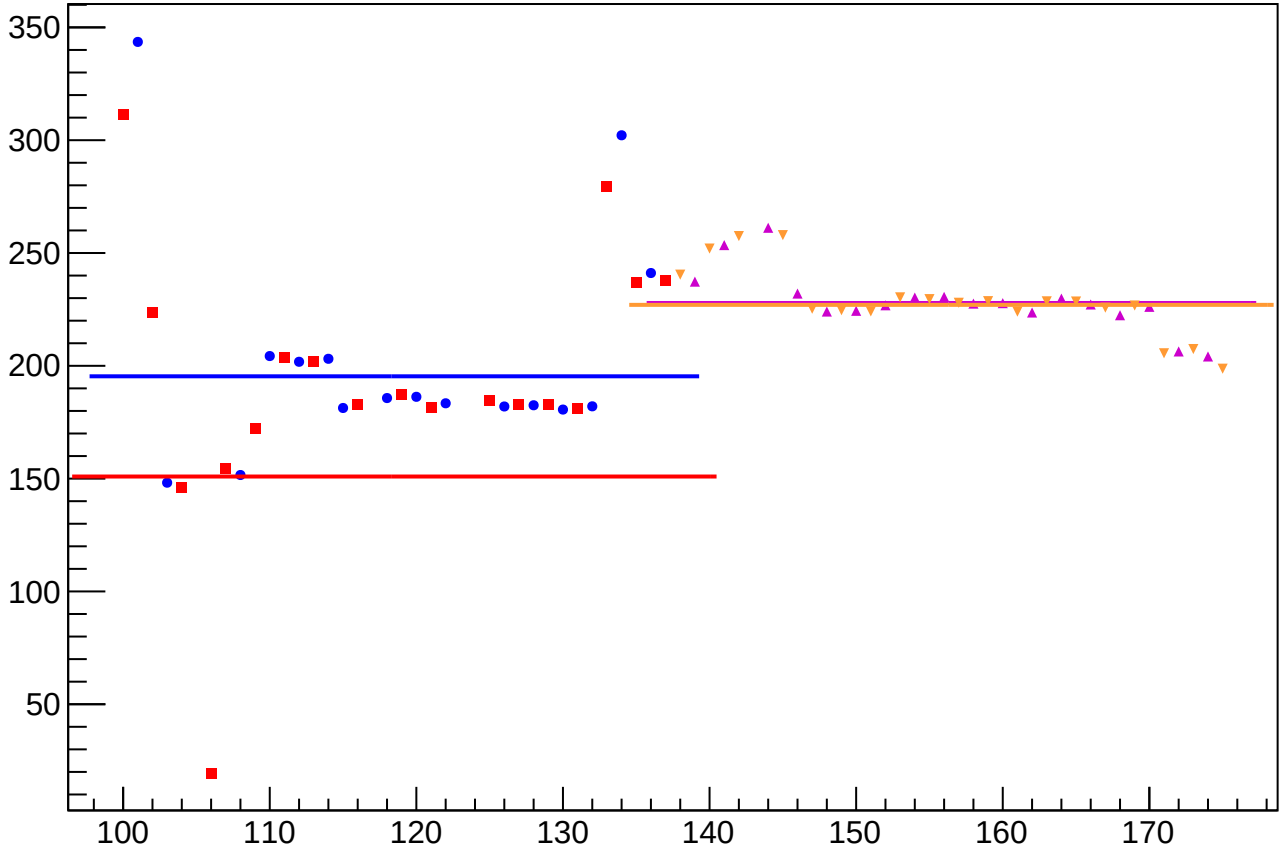
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.752+/-1.312 χ^2/NDF:711.1/33

Out: -111.065+/-1.265 χ^2/NDF:1020.0/36

All: -112.842+/-0.911 χ^2/NDF: 1735.2/70

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 227.019+/-0.075 χ^2/NDF:41302.1/18

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 227.850+/-0.075 χ^2/NDF:30000.6/17

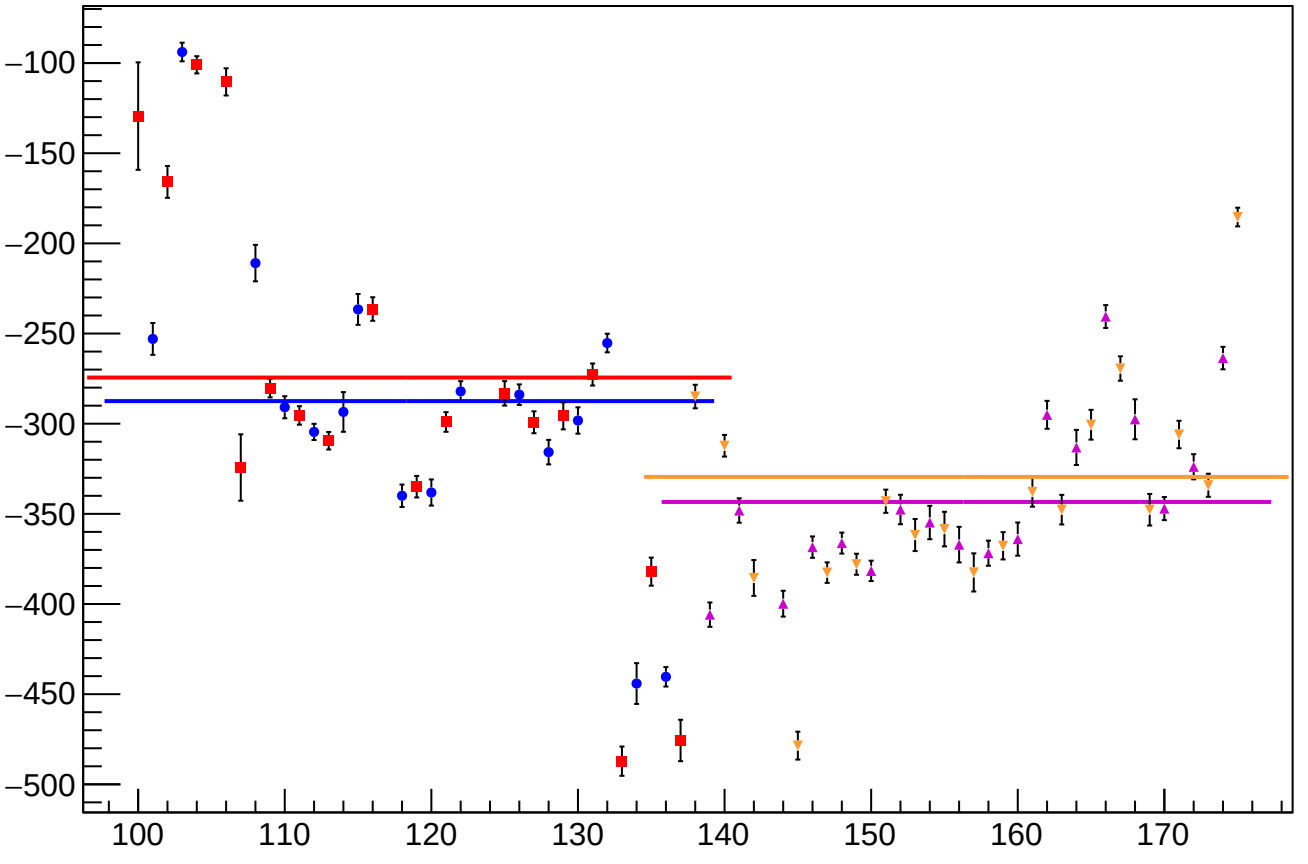
Left: 227.434+/-0.053 χ^2/NDF: 71364.0/36

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.205+/-0.064 χ^2/NDF:256886.5/33

Out: 202.917+/-0.062 χ^2/NDF:866424.7/36

All: 210.769+/-0.045 χ^2/NDF: 1156572.8/70



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -329.520+/-1.643 χ^2/NDF:1577.2/18

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -343.396+/-1.684 χ^2/NDF:756.6/17

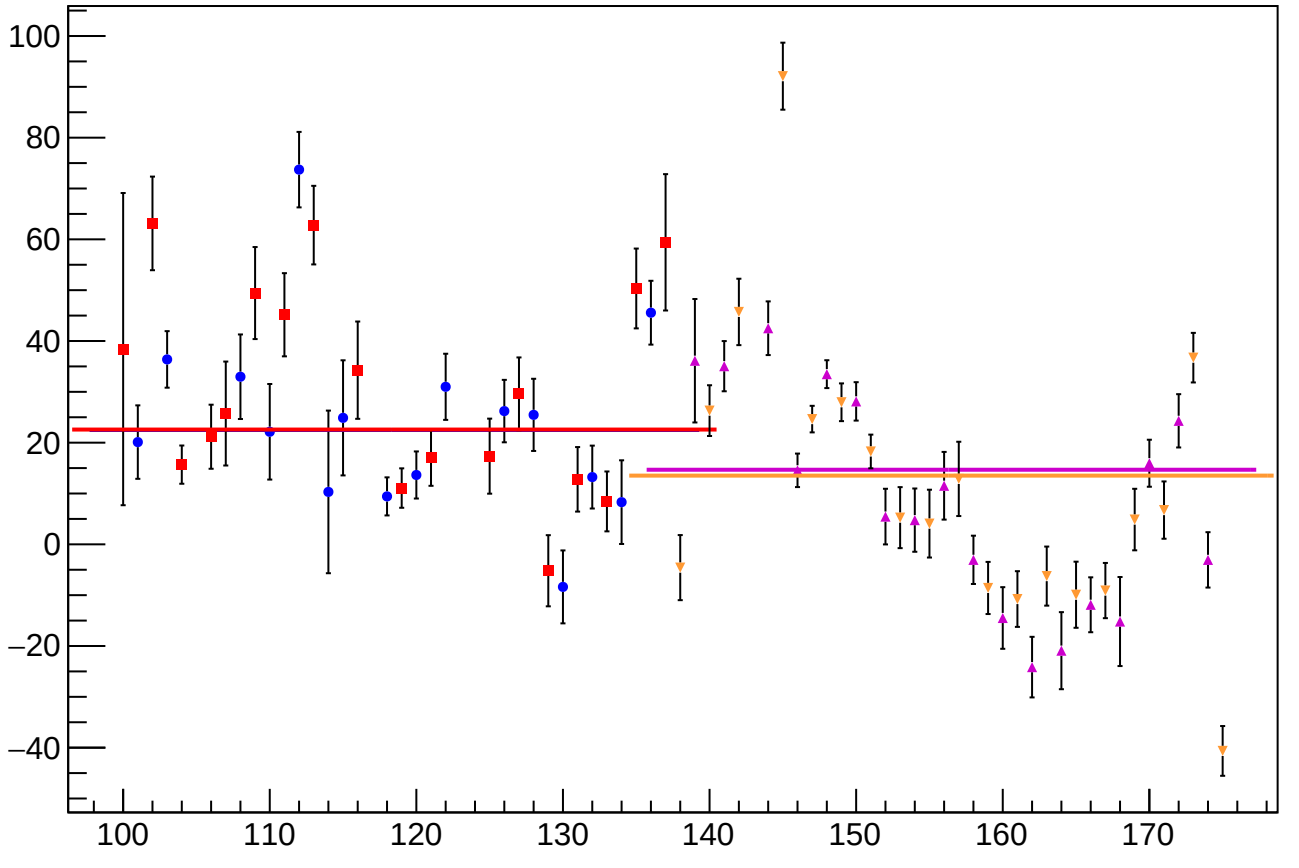
Left: -336.289+/-1.176 χ^2/NDF: 2368.6/36

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.205+/-1.164 χ^2/NDF:4028.9/33

Out: -300.385+/-1.128 χ^2/NDF:5585.2/36

All: -307.078+/-0.810 χ^2/NDF: 9686.7/70



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 13.519+/-1.124 χ^2/NDF:448.8/18

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 14.675+/-1.161 χ^2/NDF:264.7/17

Left: 14.078+/-0.808 χ^2/NDF: 714.0/36

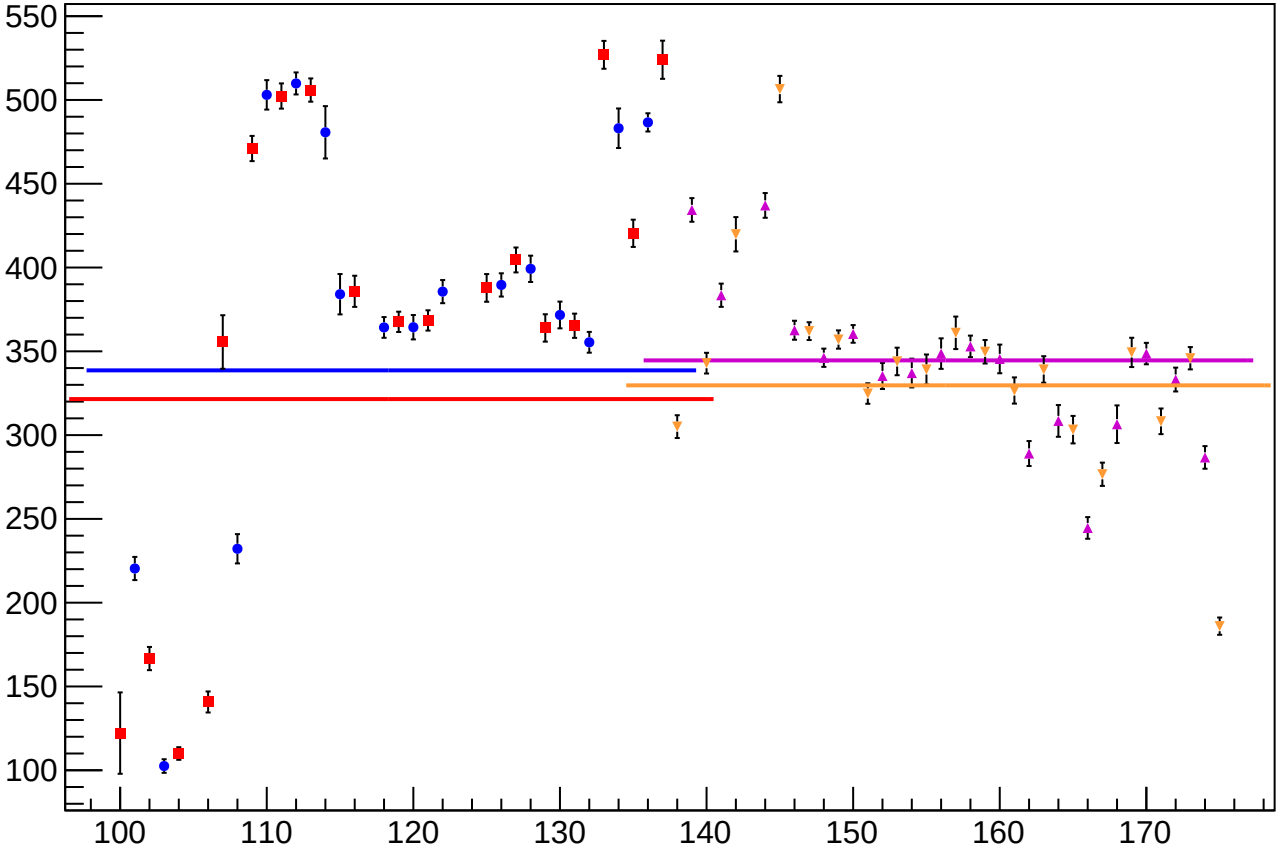
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 17.326+/-0.944 χ^2/NDF:391.5/33

Out: 16.591+/-0.914 χ^2/NDF:594.2/36

All: 16.946+/-0.657 χ^2/NDF: 986.0/70

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 329.691+/-1.610 χ^2/NDF:1549.3/18

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 344.593+/-1.650 χ^2/NDF:771.1/17

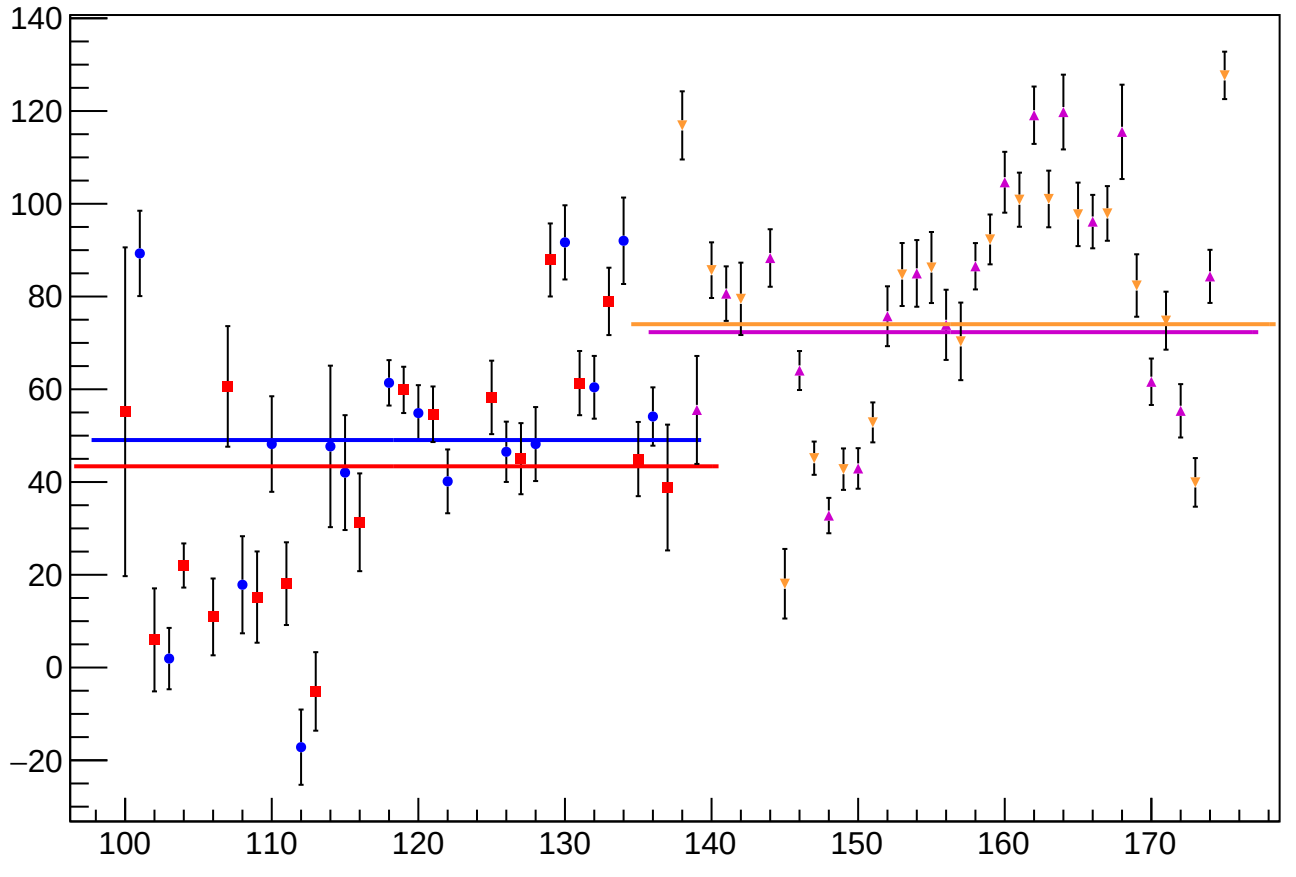
Left: 336.956+/-1.152 χ^2/NDF: 2362.1/36

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 341.784+/-1.200 χ^2/NDF:6819.8/33

Out: 325.805+/-1.167 χ^2/NDF:9282.3/36

All: 333.571+/-0.837 χ^2/NDF: 16193.3/70



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.033+/-1.315 χ^2/NDF:471.8/18

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.318+/-1.353 χ^2/NDF:347.8/17

Left: 73.200+/-0.943 χ^2/NDF: 820.4/36

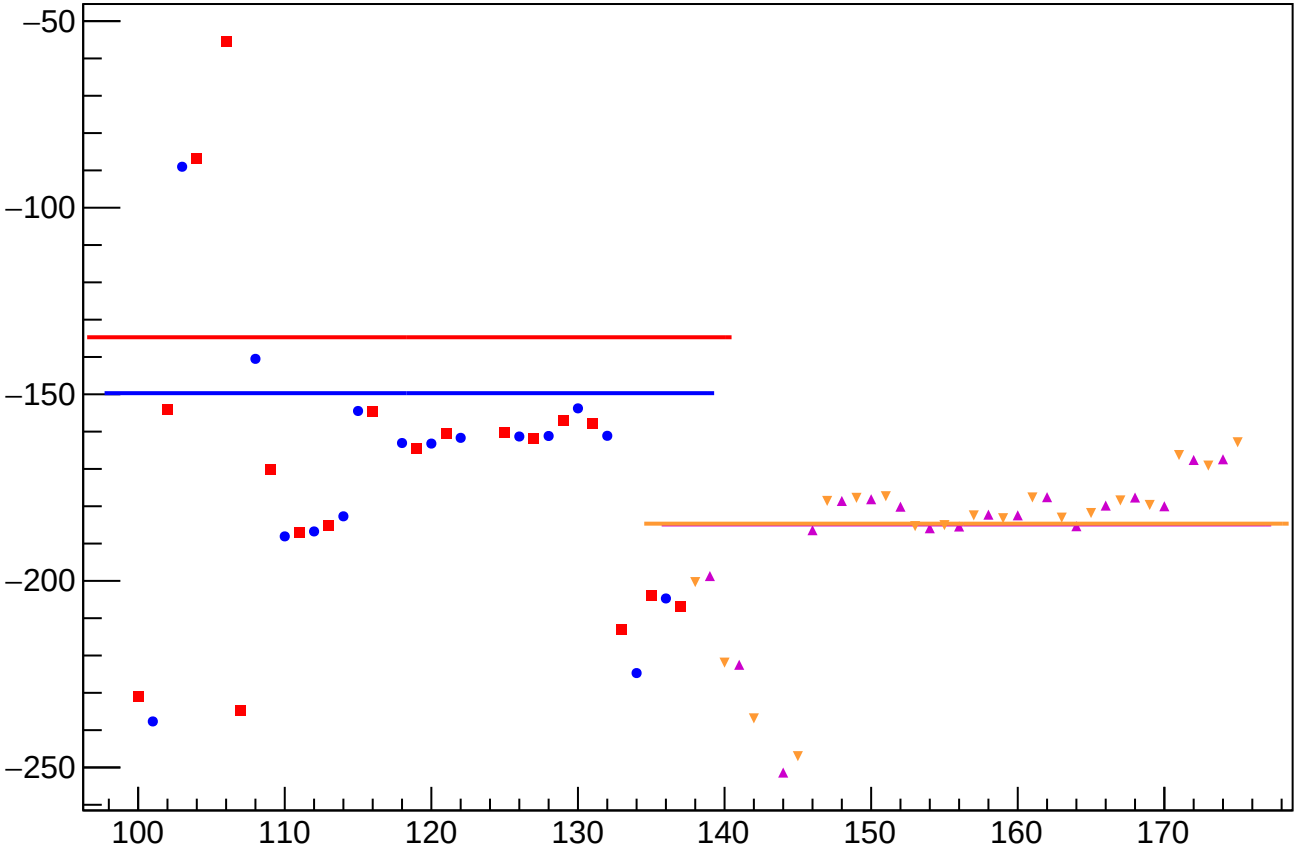
Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 64.390+/-1.099 χ^2/NDF:656.4/33

Out: 63.629+/-1.069 χ^2/NDF:836.2/36

All: 63.999+/-0.766 χ^2/NDF: 1492.9/70

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -184.666+/-0.062 χ^2/NDF:98804.2/18

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -184.881+/-0.062 χ^2/NDF:75475.5/17

Left: -184.773+/-0.044 χ^2/NDF: 174285.7/36

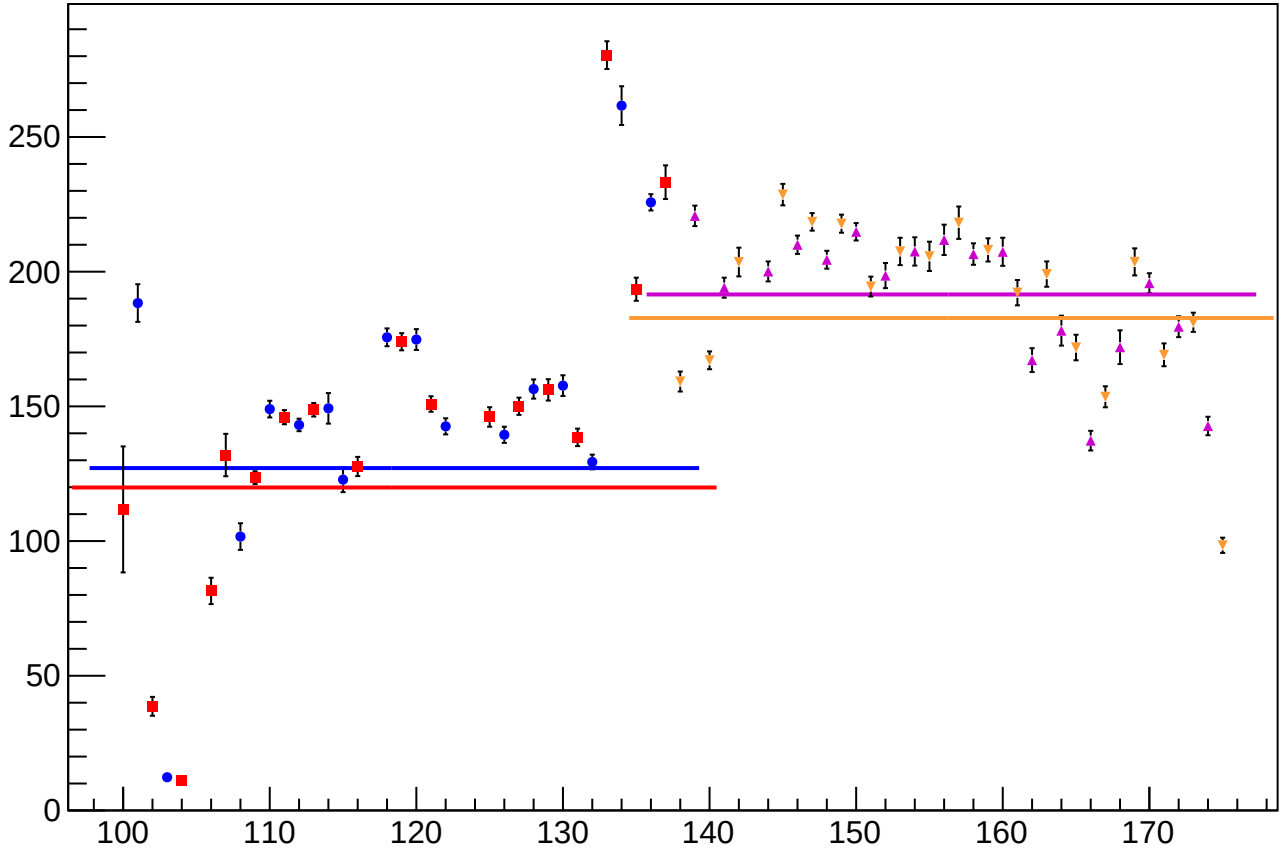
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.238+/-0.053 χ^2/NDF:420345.6/33

Out: -170.161+/-0.052 χ^2/NDF:599641.7/36

All: -172.675+/-0.037 χ^2/NDF: 1024657.0/70

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 182.813+/-0.923 χ^2/NDF:1556.0/18

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 191.549+/-0.949 χ^2/NDF:688.8/17

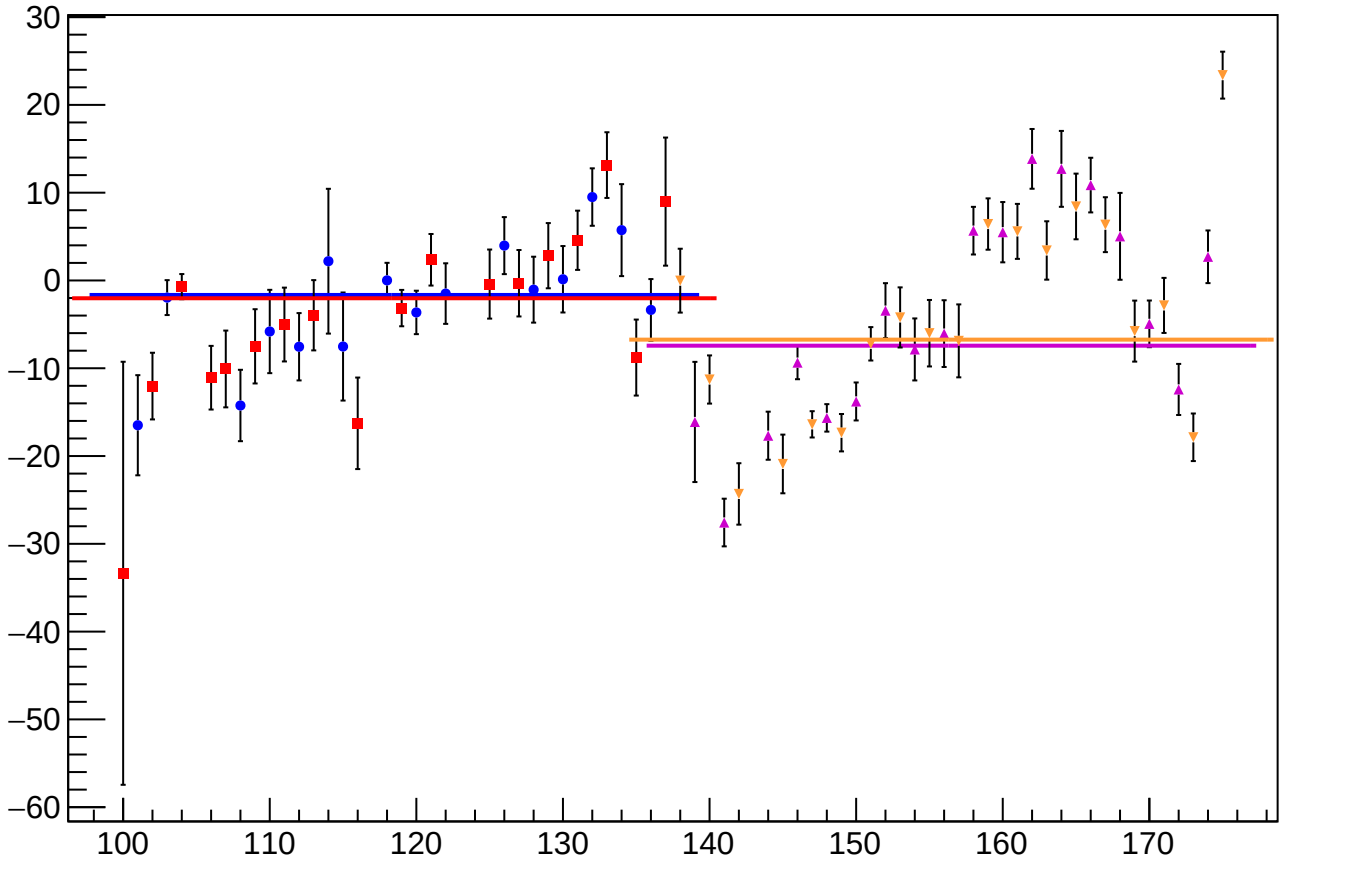
Left: 187.059+/-0.662 χ^2/NDF: 2288.3/36

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 154.287+/-0.617 χ^2/NDF:9517.2/33

Out: 145.873+/-0.593 χ^2/NDF:10933.7/36

All: 149.918+/-0.427 χ^2/NDF: 20547.7/70



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.741+/-0.635 χ^2/NDF:340.9/18

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.429+/-0.657 χ^2/NDF:264.1/17

Left: -7.073+/-0.457 χ^2/NDF: 605.6/36

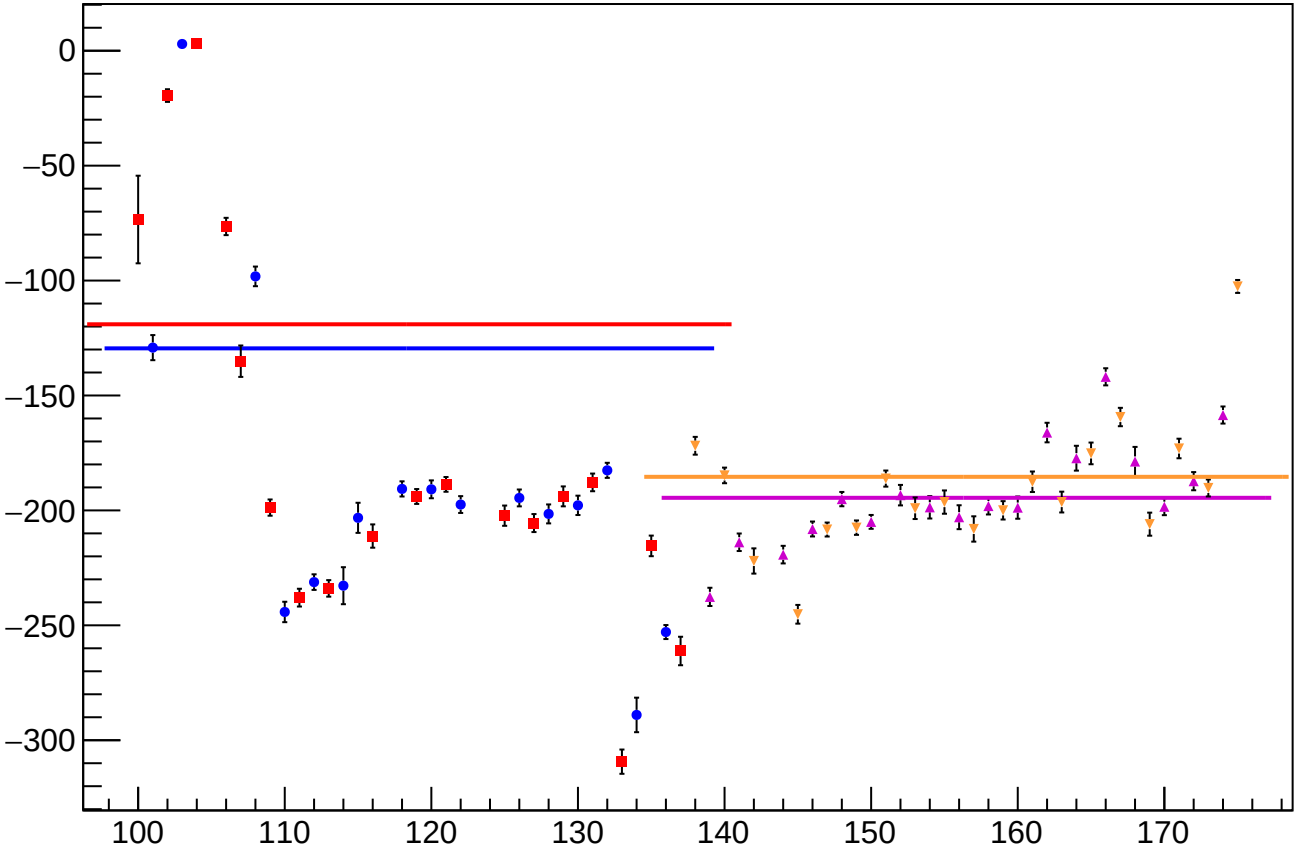
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.214+/-0.516 χ^2/NDF:332.9/33

Out: -4.833+/-0.490 χ^2/NDF:421.7/36

All: -5.014+/-0.355 χ^2/NDF: 754.9/70

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -185.390+/-0.906 χ^2/NDF:1366.3/18

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -194.523+/-0.932 χ^2/NDF:579.4/17

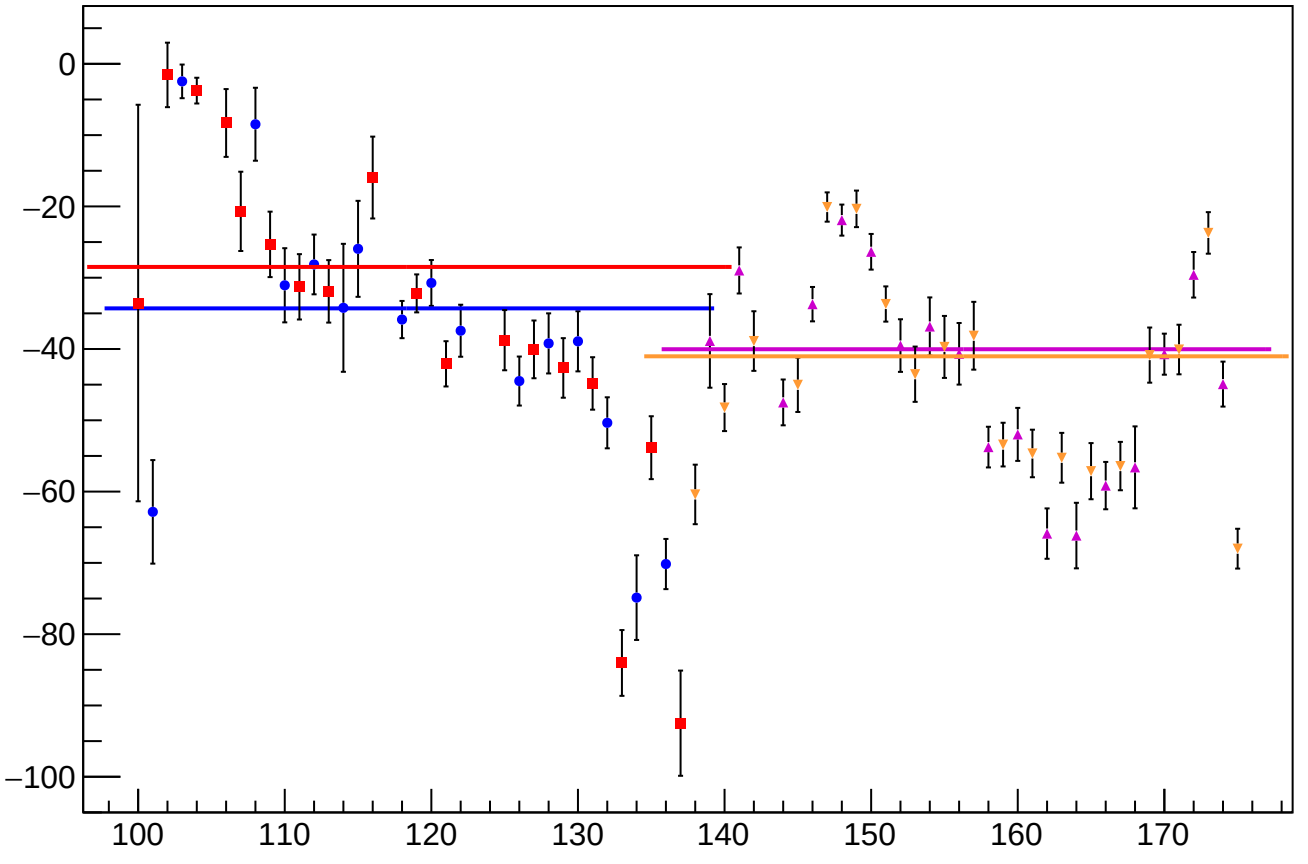
Left: -189.826+/-0.649 χ^2/NDF: 1995.2/36

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

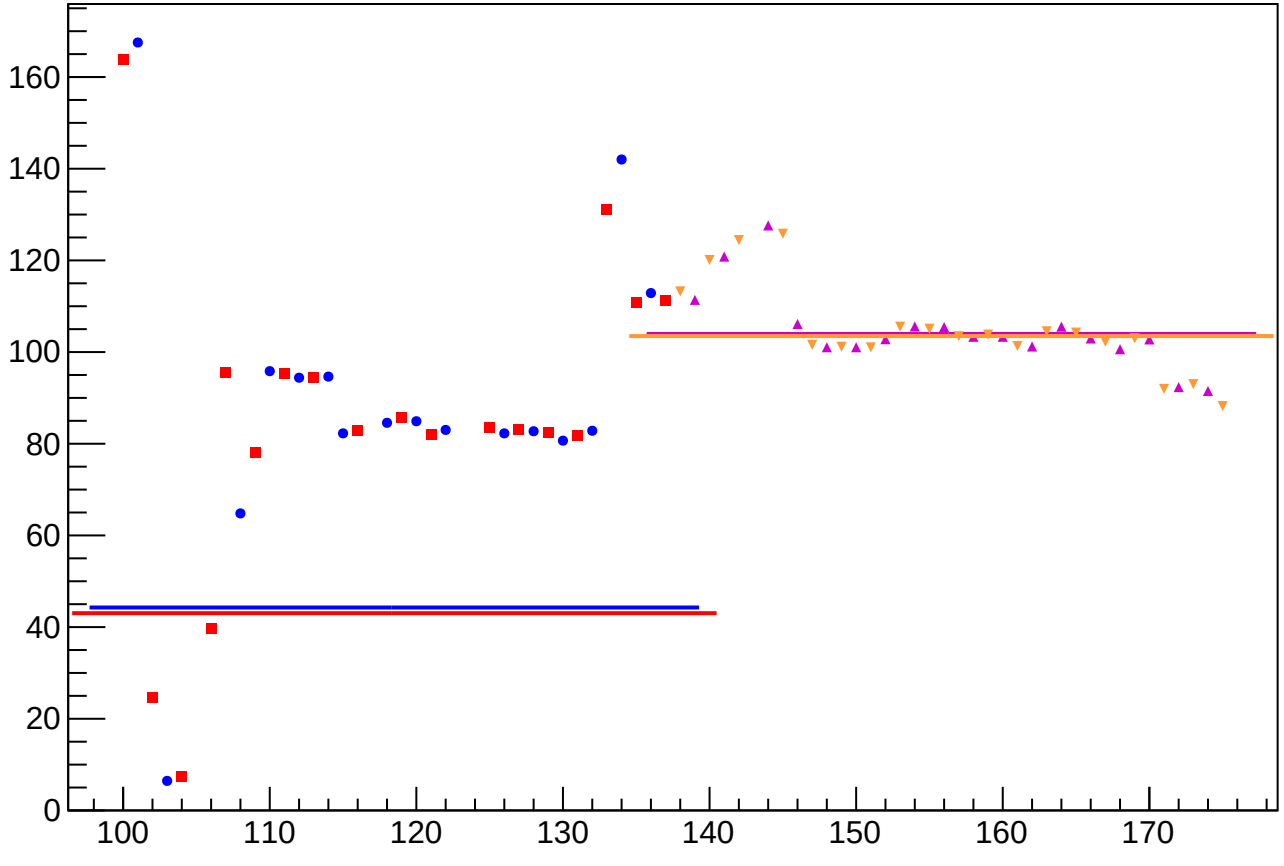
In: -158.896+/-0.626 χ^2/NDF:17935.8/33

Out: -148.632+/-0.605 χ^2/NDF:20518.3/36

All: -153.584+/-0.435 χ^2/NDF: 38593.0/70


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
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: -41.024+/-0.742 χ²/NDF:422.1/18
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -40.032+/-0.765 χ²/NDF:297.7/17
Left: -40.543+/-0.533 χ²/NDF: 720.6/36
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -37.827+/-0.600 χ²/NDF:730.5/33
Out: -35.999+/-0.574 χ²/NDF:1104.6/36
All: -36.872+/-0.415 χ²/NDF: 1839.9/70

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 103.491+/-0.035 χ^2/NDF:71656.6/18

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.943+/-0.035 χ^2/NDF:52249.4/17

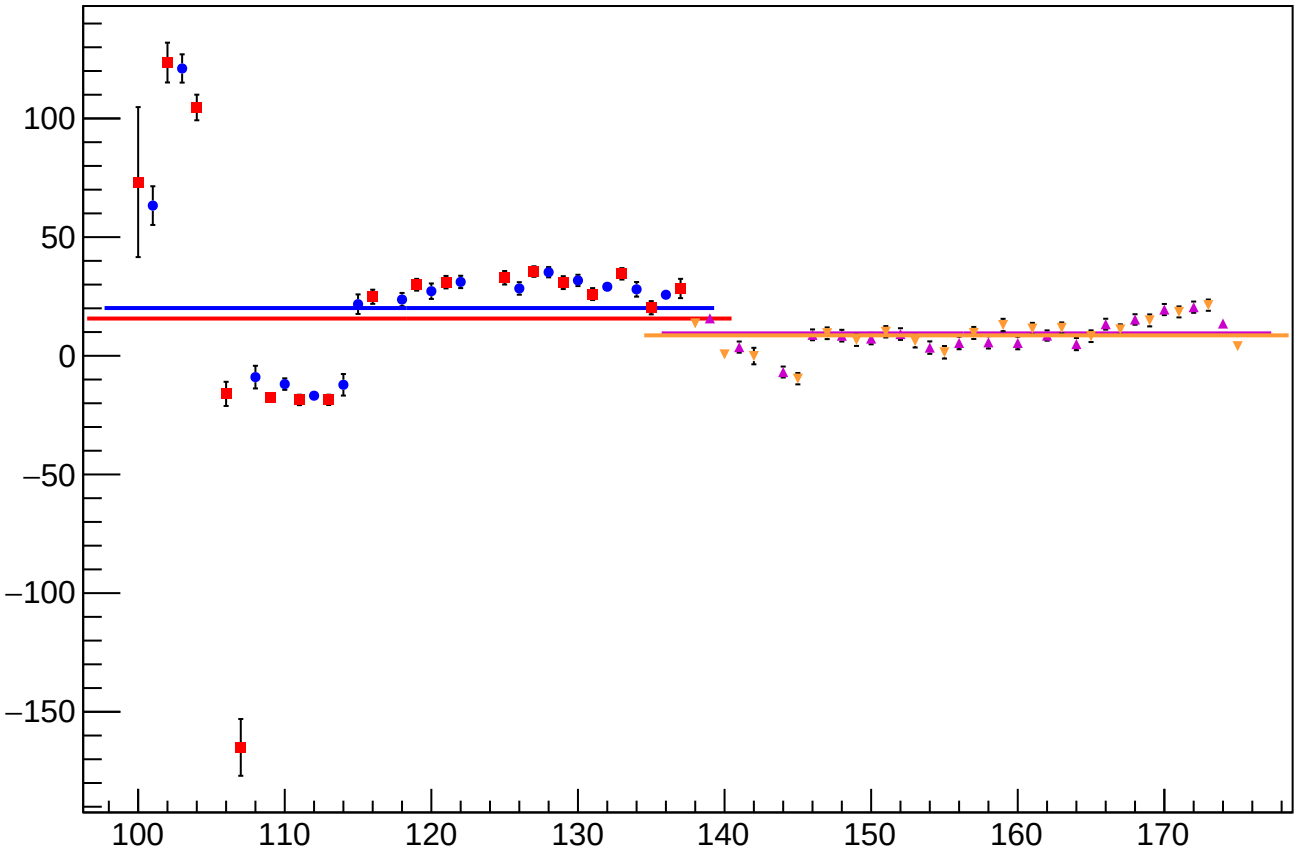
Left: 103.717+/-0.025 χ^2/NDF: 123989.3/36

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 81.408+/-0.028 χ^2/NDF:2234374.2/33

Out: 80.756+/-0.028 χ^2/NDF:2001147.0/36

All: 81.082+/-0.020 χ^2/NDF: 4235799.7/70



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.612+/-0.542 χ^2/NDF:162.3/18

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.442+/-0.556 χ^2/NDF:135.7/17

Left: 9.017+/-0.388 χ^2/NDF: 299.2/36

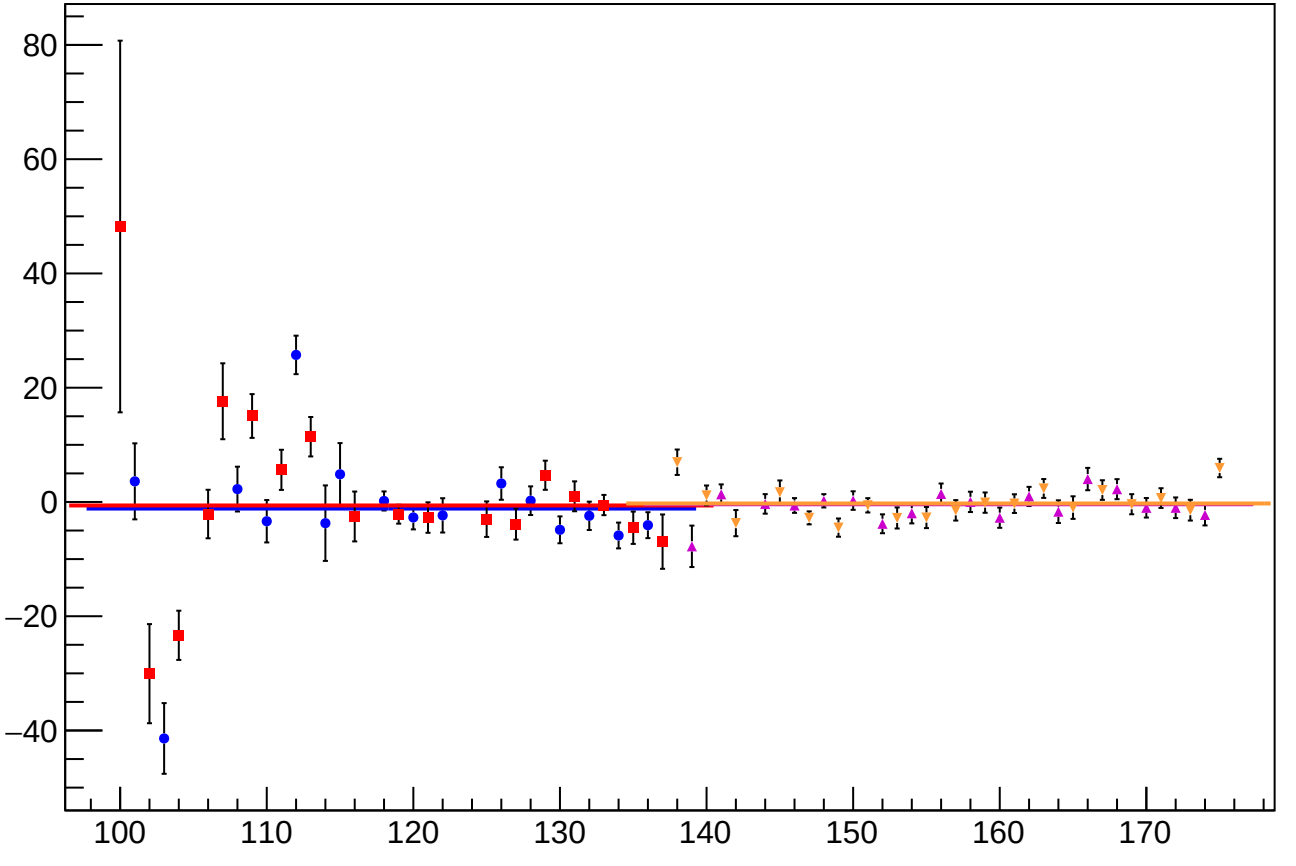
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.666+/-0.432 χ^2/NDF:1329.8/33

Out: 11.354+/-0.424 χ^2/NDF:2002.3/36

All: 12.489+/-0.303 χ^2/NDF: 3346.7/70

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.265+/-0.388 χ^2/NDF:50.5/18

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.401+/-0.401 χ^2/NDF:23.2/17

Left: -0.331+/-0.279 χ^2/NDF: 73.7/36

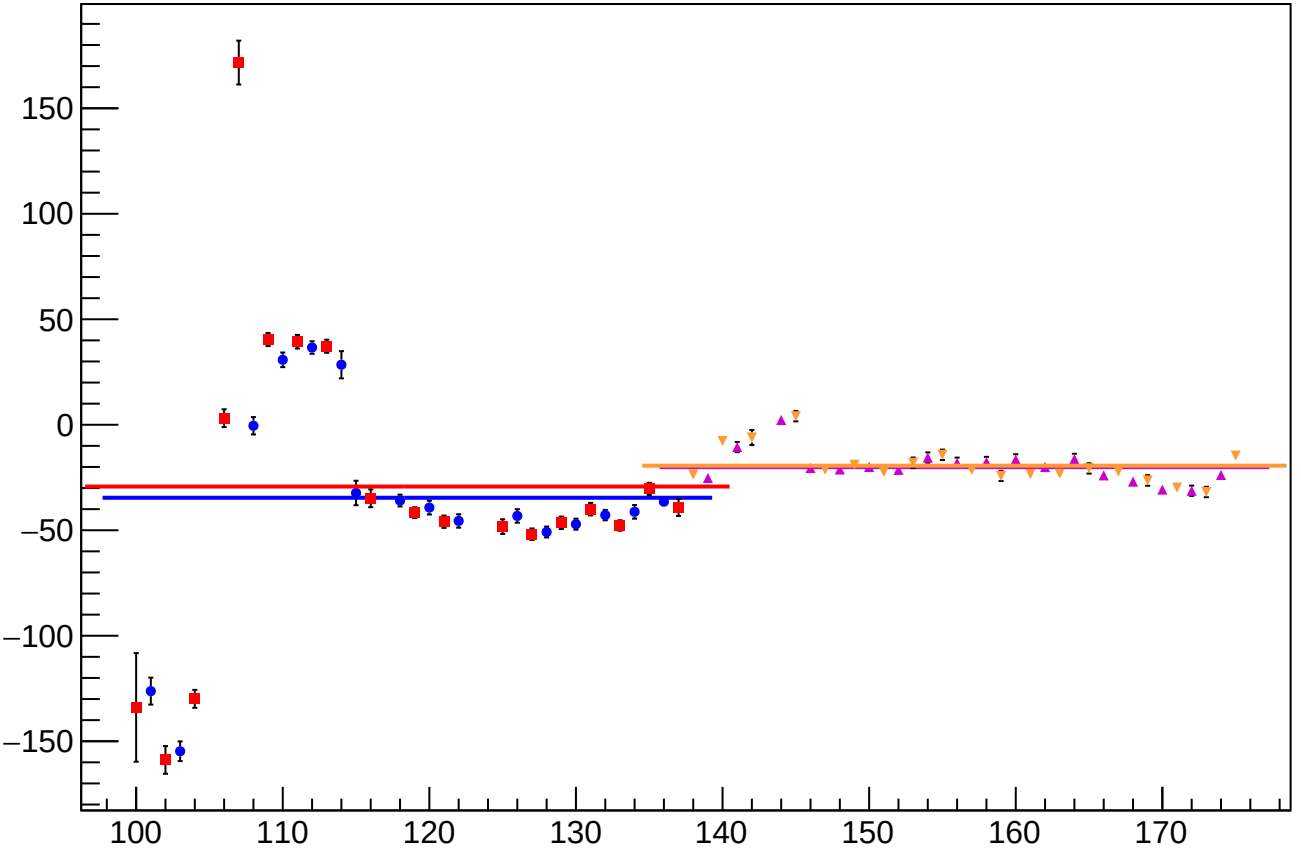
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.586+/-0.348 χ^2/NDF:145.9/33

Out: -0.345+/-0.341 χ^2/NDF:144.0/36

All: -0.463+/-0.243 χ^2/NDF: 290.2/70

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.397+/-0.532 χ^2/NDF:220.8/18

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -20.081+/-0.547 χ^2/NDF:177.1/17

Left: -19.730+/-0.381 χ^2/NDF: 398.7/36

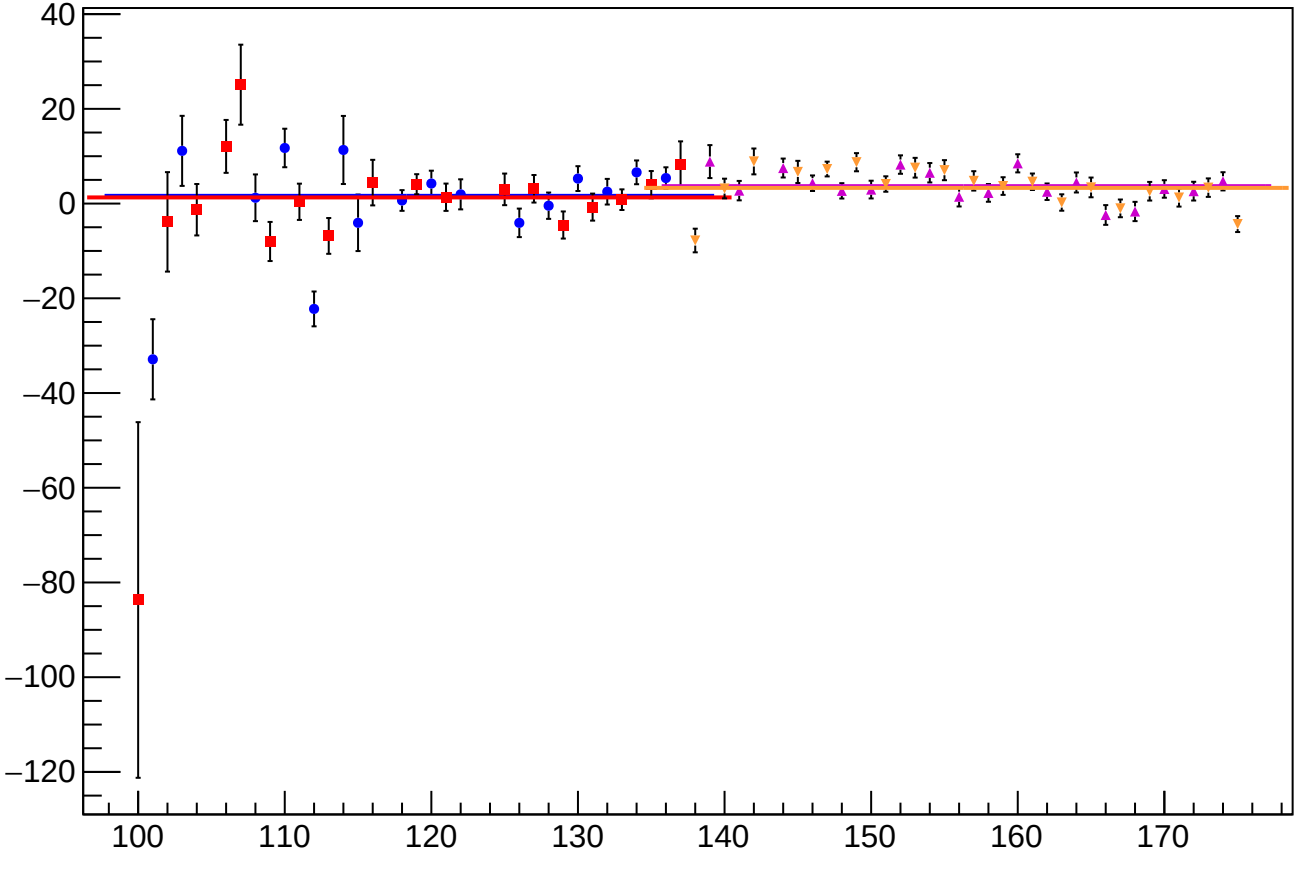
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.812+/-0.449 χ^2/NDF:2465.4/33

Out: -22.425+/-0.443 χ^2/NDF:3407.7/36

All: -23.603+/-0.315 χ^2/NDF: 5887.5/70

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.313+/-0.444 χ^2/NDF:79.7/18

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.676+/-0.459 χ^2/NDF:39.0/17

Left: 3.489+/-0.319 χ^2/NDF: 119.0/36

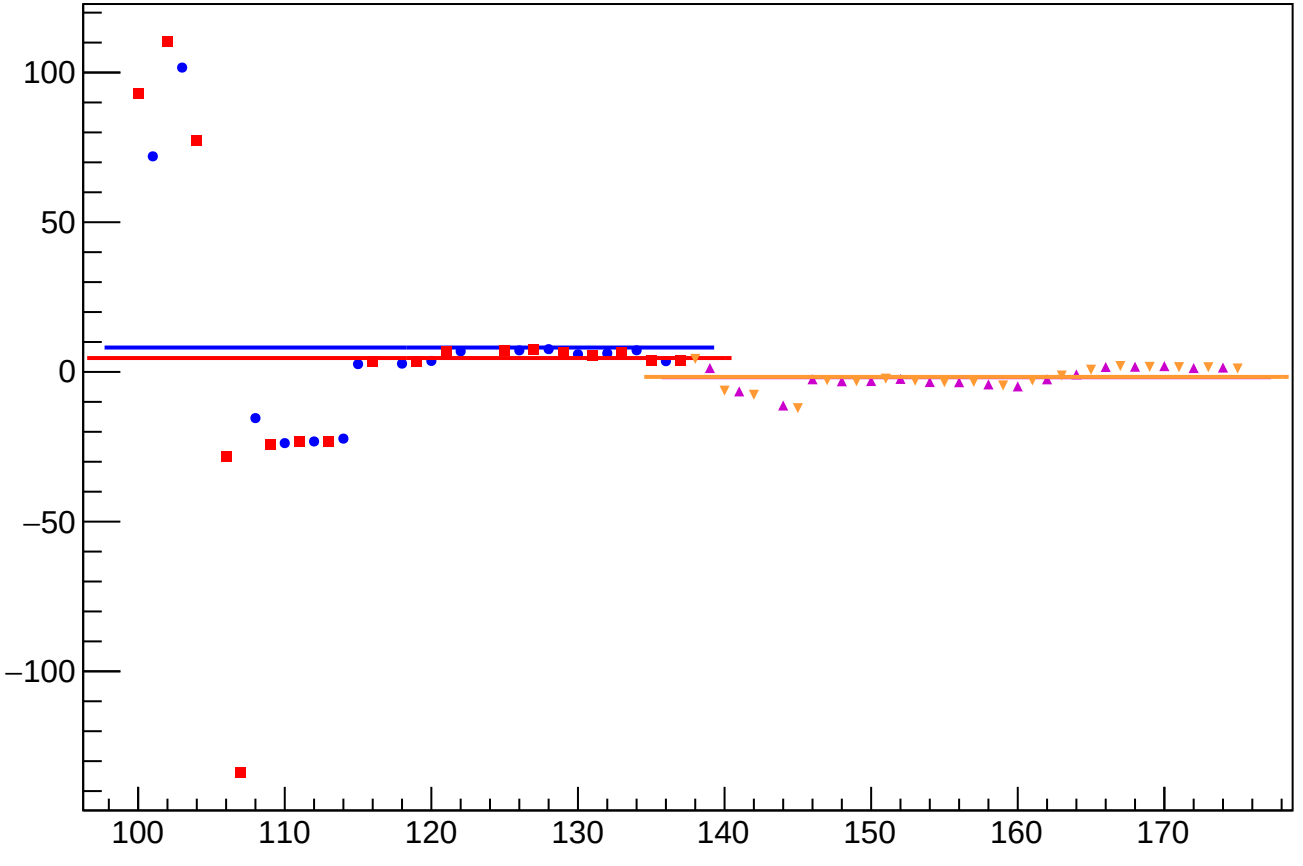
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.167+/-0.398 χ^2/NDF:127.2/33

Out: 2.854+/-0.390 χ^2/NDF:121.9/36

All: 3.007+/-0.278 χ^2/NDF: 249.5/70

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.655+/-0.020 χ^2/NDF:32289.4/18

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.762+/-0.020 χ^2/NDF:24055.7/17

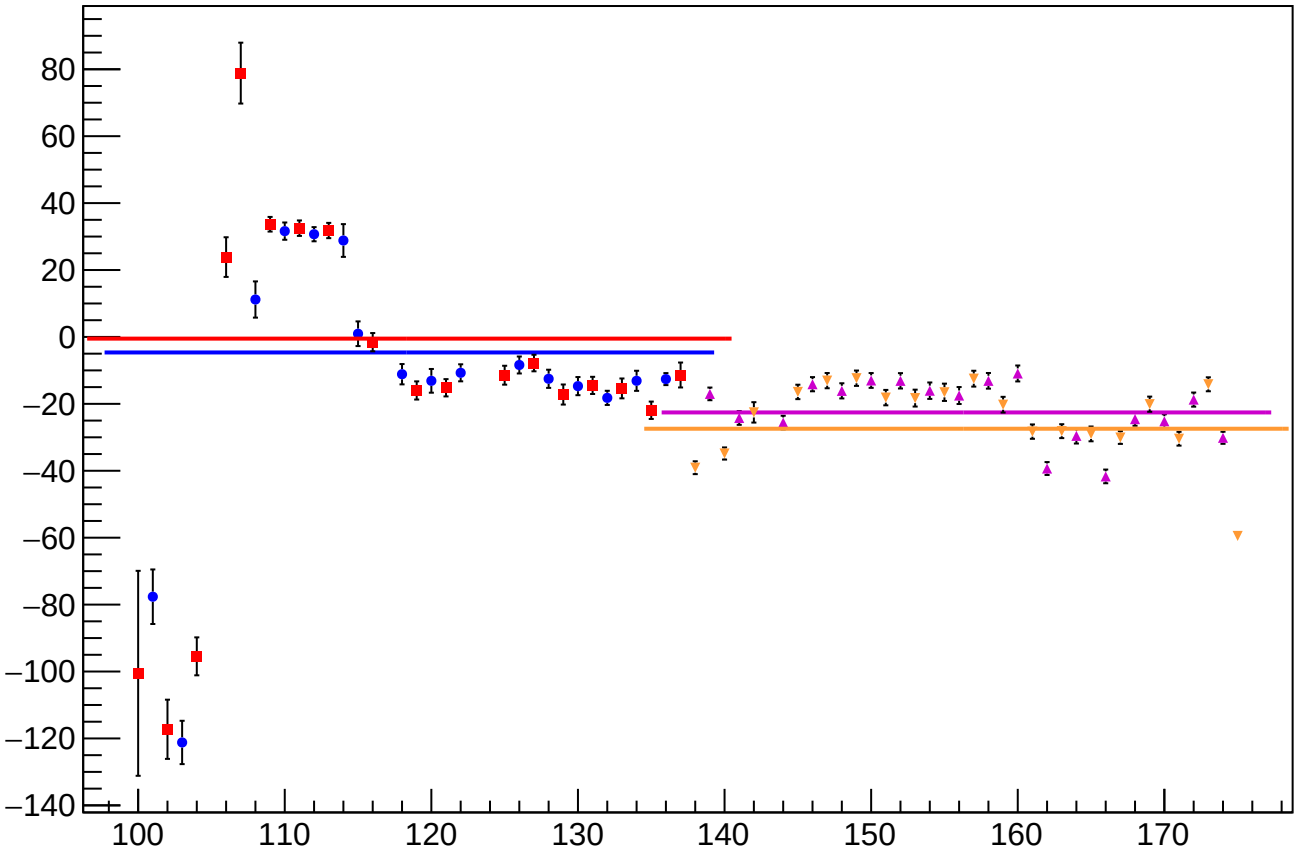
Left: -1.708+/-0.014 χ^2/NDF: 56359.2/36

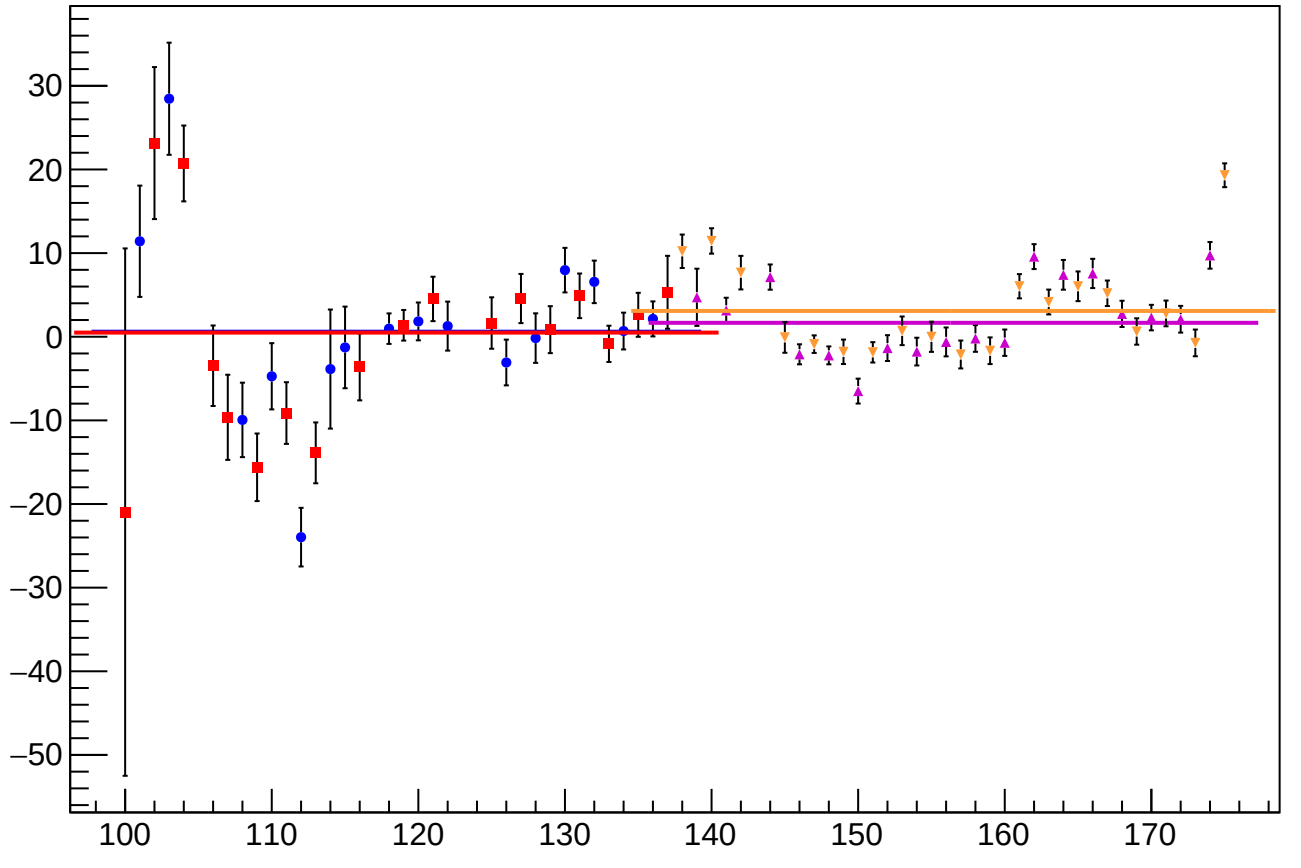
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

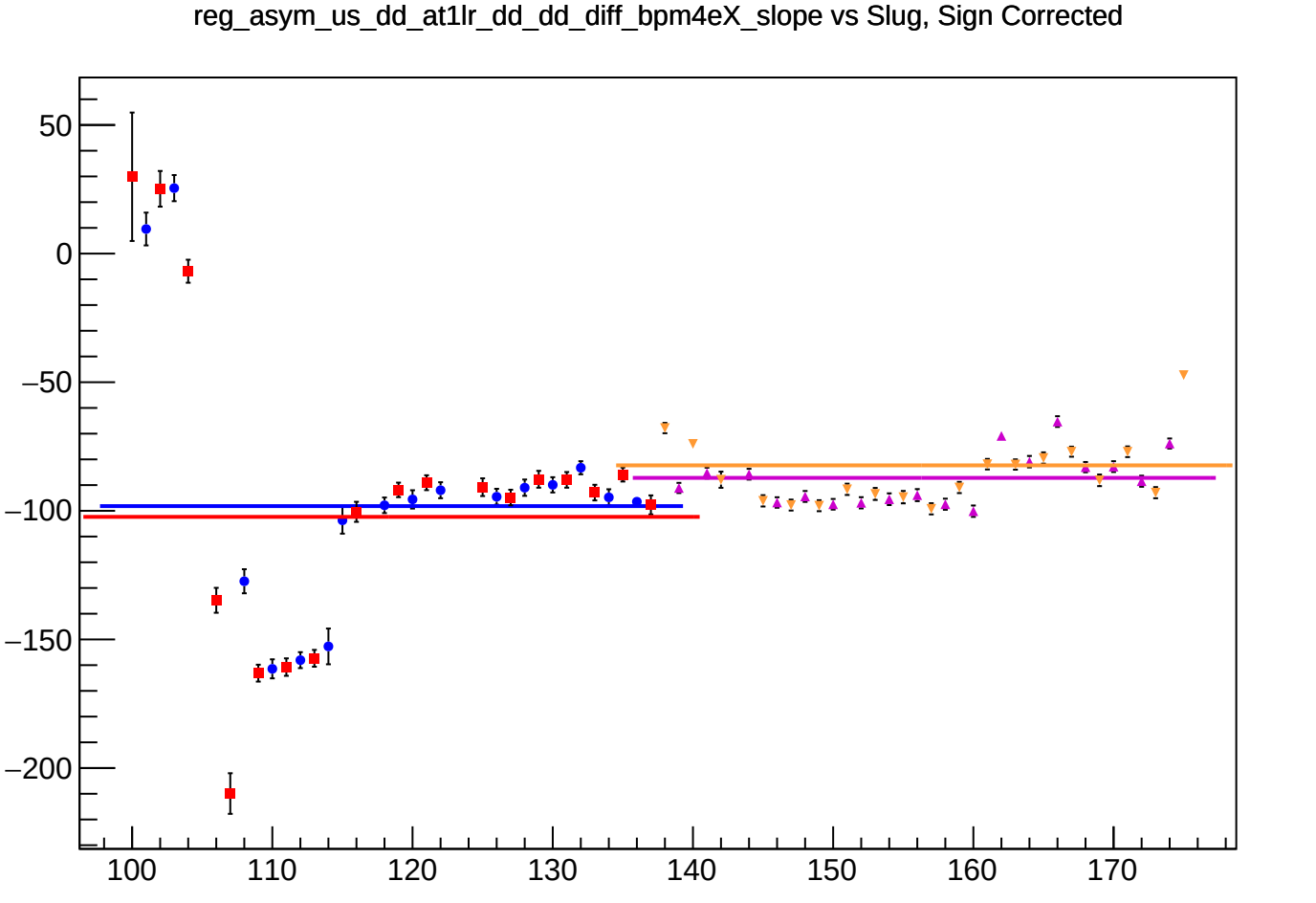
In: -0.297+/-0.019 χ^2/NDF:373158.1/33

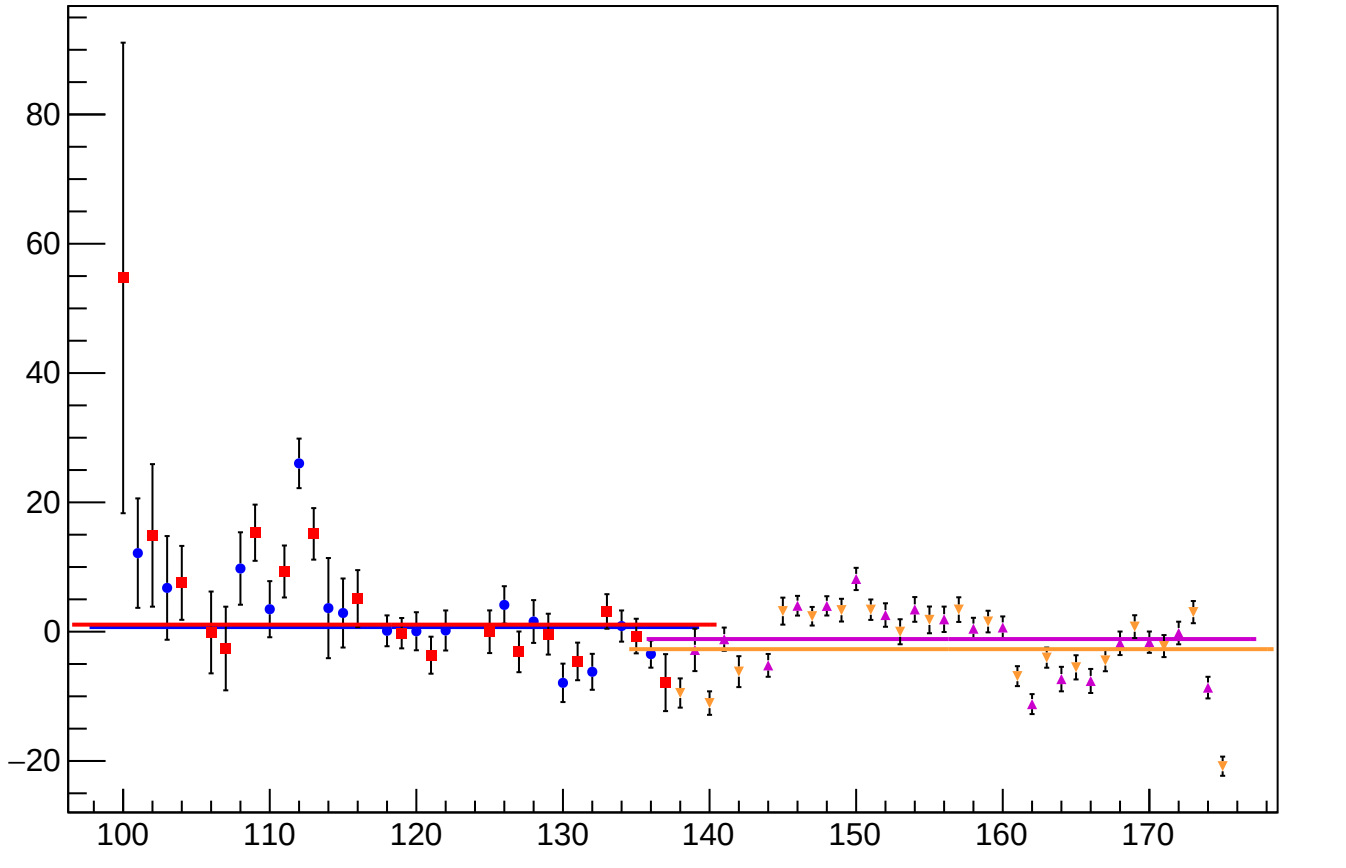
Out: -0.835+/-0.019 χ^2/NDF:491989.8/36

All: -0.565+/-0.013 χ^2/NDF: 865565.2/70

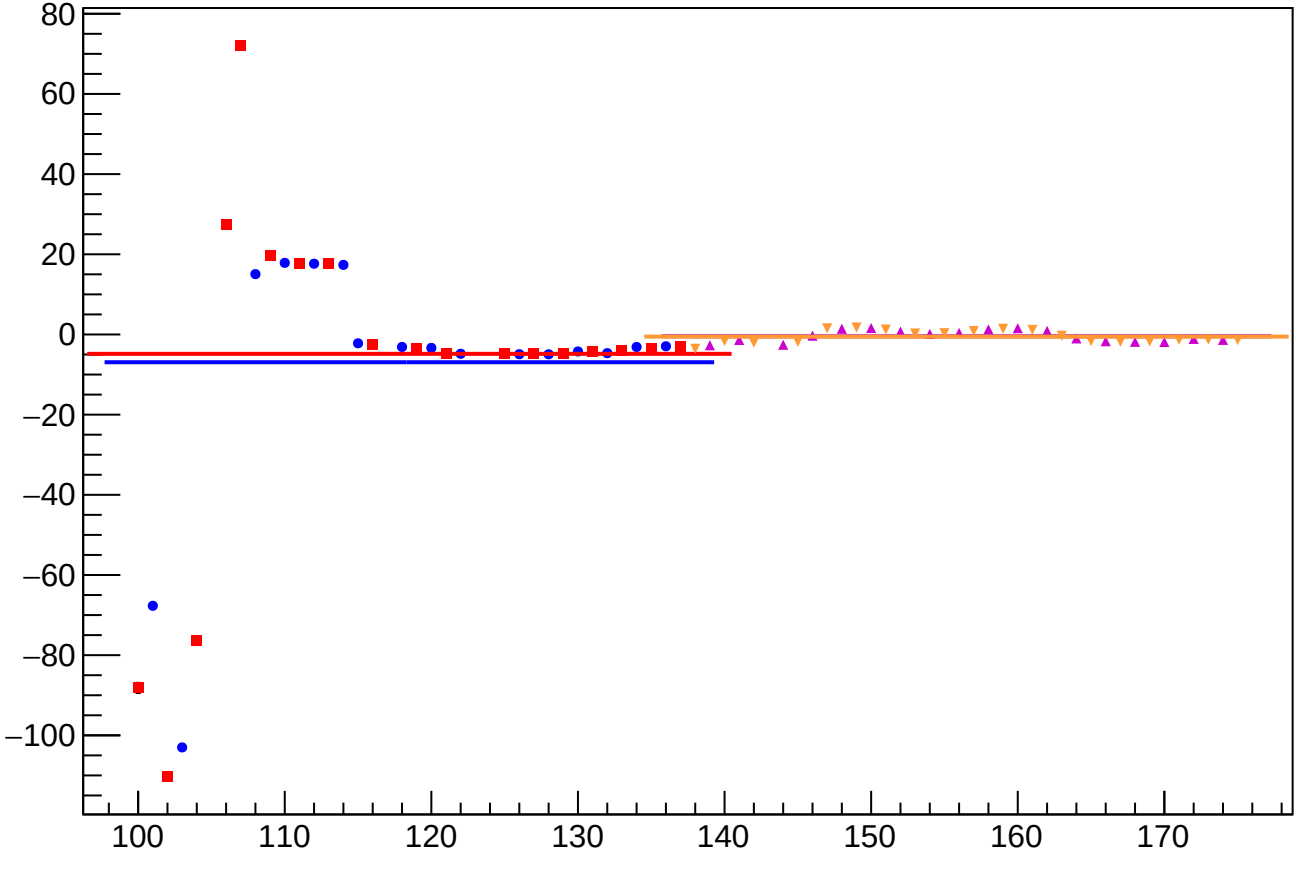

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -4.640+/-0.712 χ²/NDF: 1046.3/15
Left Out: -27.436+/-0.490 χ²/NDF:774.7/18
Right Out: -0.505+/-0.711 χ²/NDF: 1457.8/17
Left In: -22.565+/-0.503 χ²/NDF:317.6/17
Left: -25.064+/-0.351 χ²/NDF: 1140.4/36
Right: -2.571+/-0.503 χ²/NDF: 2521.0/33
In: -16.595+/-0.411 χ²/NDF:1787.1/33
Out: -18.762+/-0.403 χ²/NDF:3205.5/36
All: -17.698+/-0.288 χ²/NDF: 5006.8/70


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: 0.602+/-0.727 χ²/NDF: 92.9/15
Left Out: 3.085+/-0.352 χ²/NDF:263.9/18
Right Out: 0.496+/-0.755 χ²/NDF: 80.2/17
Left In: 1.665+/-0.363 χ²/NDF:158.1/17
Left: 2.396+/-0.253 χ²/NDF: 429.9/36
Right: 0.551+/-0.524 χ²/NDF: 173.0/33
In: 1.454+/-0.324 χ²/NDF:252.7/33
Out: 2.622+/-0.319 χ²/NDF:353.8/36
All: 2.047+/-0.228 χ²/NDF: 613.0/70


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -98.168+/-0.813 χ²/NDF: 1699.9/15
Left Out: -82.323+/-0.482 χ²/NDF:961.6/18
Right Out: -102.349+/-0.837 χ²/NDF: 2117.5/17
Left In: -87.193+/-0.495 χ²/NDF:412.4/17
Left: -84.691+/-0.345 χ²/NDF: 1423.7/36
Right: -100.197+/-0.583 χ²/NDF: 3830.3/33
In: -90.163+/-0.423 χ²/NDF:2245.3/33
Out: -87.304+/-0.417 χ²/NDF:3509.2/36
All: -88.715+/-0.297 χ²/NDF: 5777.7/70


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 0.711+/-0.821 χ²/NDF: 69.6/15
Left Out: -2.705+/-0.402 χ²/NDF:278.4/18
Right Out: 1.088+/-0.856 χ²/NDF: 47.7/17
Left In: -1.143+/-0.415 χ²/NDF:158.4/17
Left: -1.948+/-0.289 χ²/NDF: 444.1/36
Right: 0.892+/-0.593 χ²/NDF: 117.4/33
In: -0.766+/-0.370 χ²/NDF:232.1/33
Out: -2.020+/-0.364 χ²/NDF:342.1/36
All: -1.403+/-0.260 χ²/NDF: 580.0/70

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.538+/-0.018 χ^2/NDF:6498.4/18

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.449+/-0.018 χ^2/NDF:5996.9/17

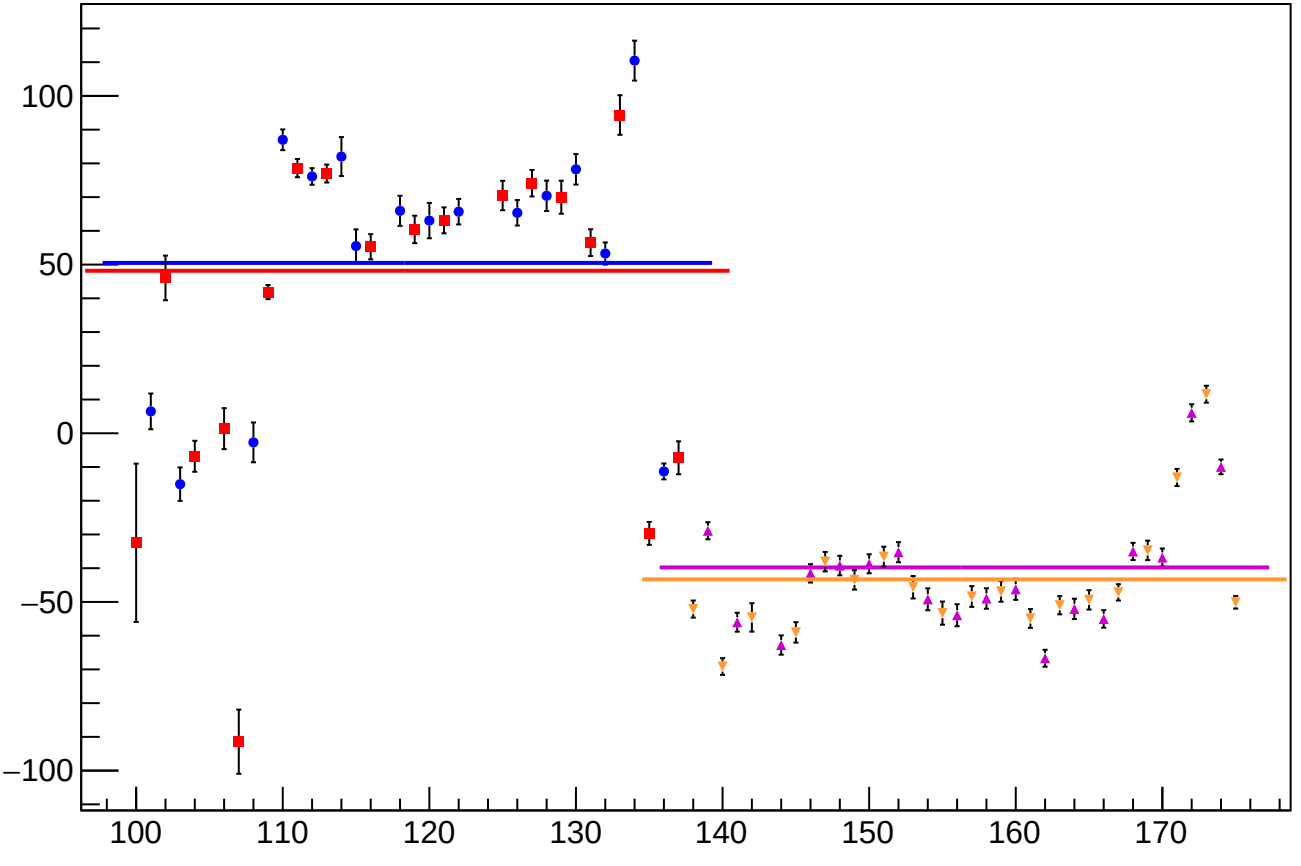
Left: -0.494+/-0.013 χ^2/NDF: 12507.0/36

Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.253+/-0.017 χ^2/NDF:286789.3/33

Out: -0.992+/-0.017 χ^2/NDF:351777.6/36

All: -1.123+/-0.012 χ^2/NDF: 638683.0/70



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -43.314+/-0.632 χ^2/NDF:848.9/18

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -39.771+/-0.649 χ^2/NDF:843.3/17

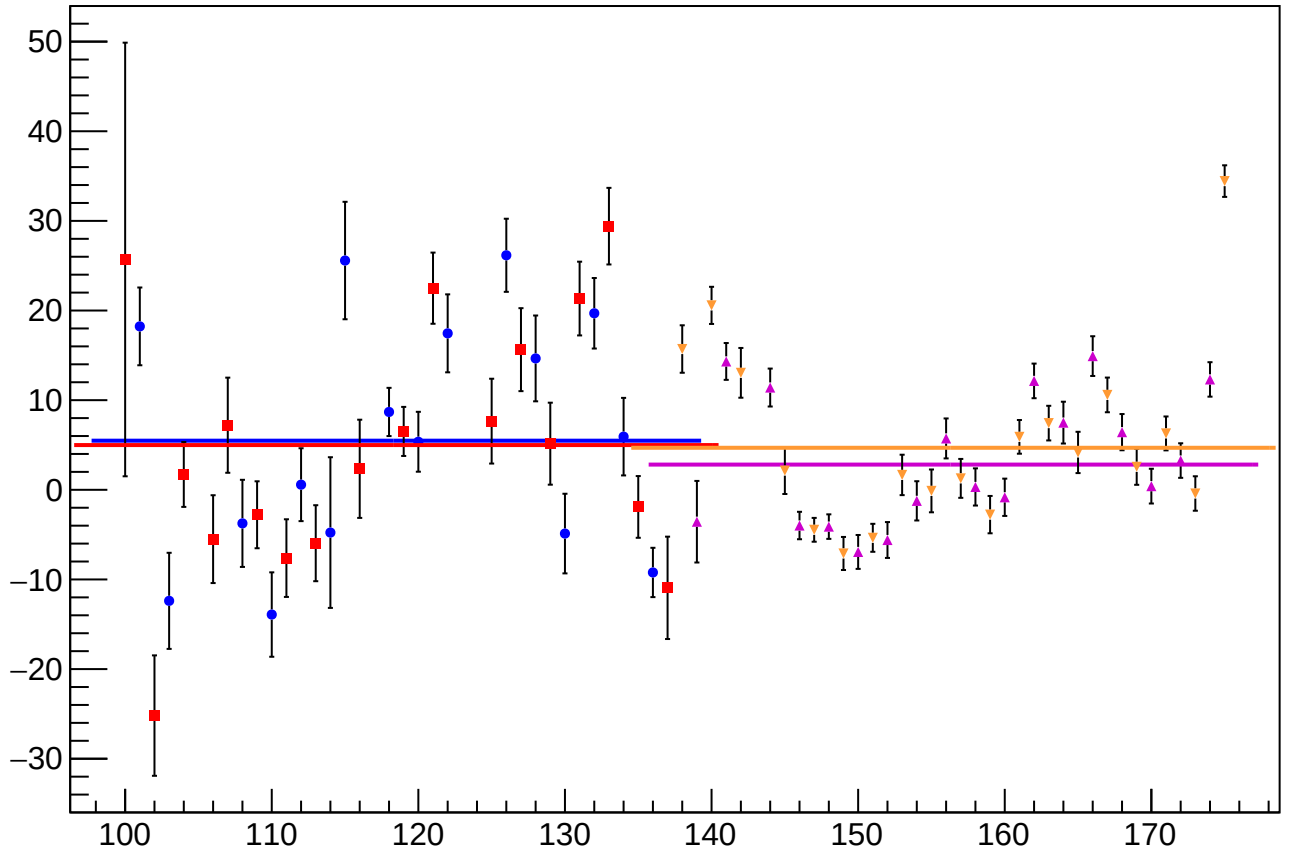
Left: -41.590+/-0.453 χ^2/NDF: 1707.5/36

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -11.682+/-0.538 χ^2/NDF:8371.0/33

Out: -13.754+/-0.520 χ^2/NDF:9145.8/36

All: -12.755+/-0.374 χ^2/NDF: 17524.5/70



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 4.689+/-0.453 χ^2/NDF:542.6/18

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.814+/-0.467 χ^2/NDF:235.5/17

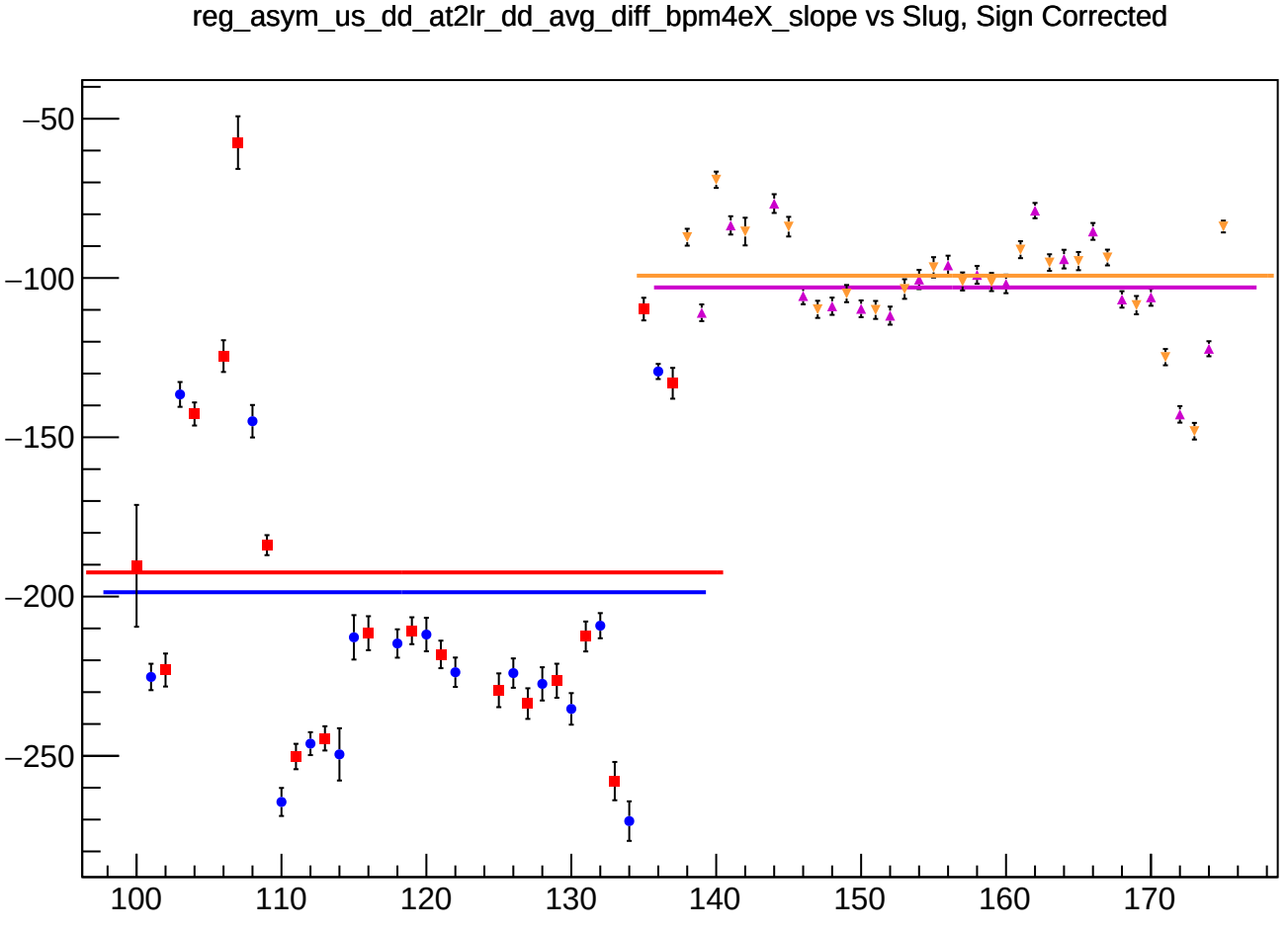
Left: 3.780+/-0.325 χ^2/NDF: 786.3/36

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 3.275+/-0.425 χ^2/NDF:379.3/33

Out: 4.739+/-0.414 χ^2/NDF:674.5/36

All: 4.025+/-0.297 χ^2/NDF: 1059.8/70



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -99.275+/-0.621 χ^2/NDF:782.2/18

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -102.966+/-0.639 χ^2/NDF:624.4/17

Left: -101.067+/-0.445 χ^2/NDF: 1423.7/36

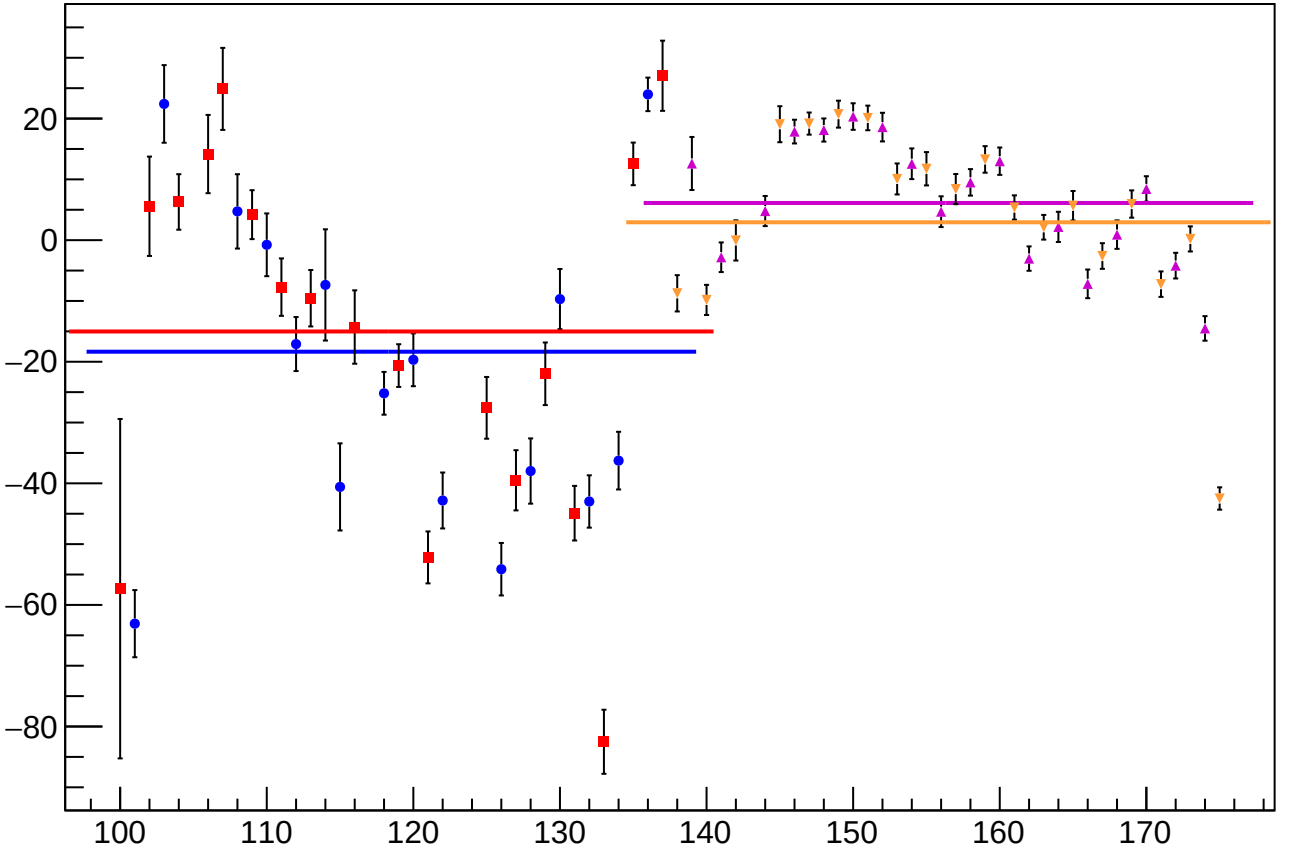
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -127.666+/-0.550 χ^2/NDF:8412.1/33

Out: -122.420+/-0.538 χ^2/NDF:8514.7/36

All: -124.984+/-0.385 χ^2/NDF: 16973.2/70

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 2.940+/-0.518 χ^2/NDF:982.6/18

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 6.117+/-0.534 χ^2/NDF:370.5/17

Left: 4.478+/-0.372 χ^2/NDF: 1371.3/36

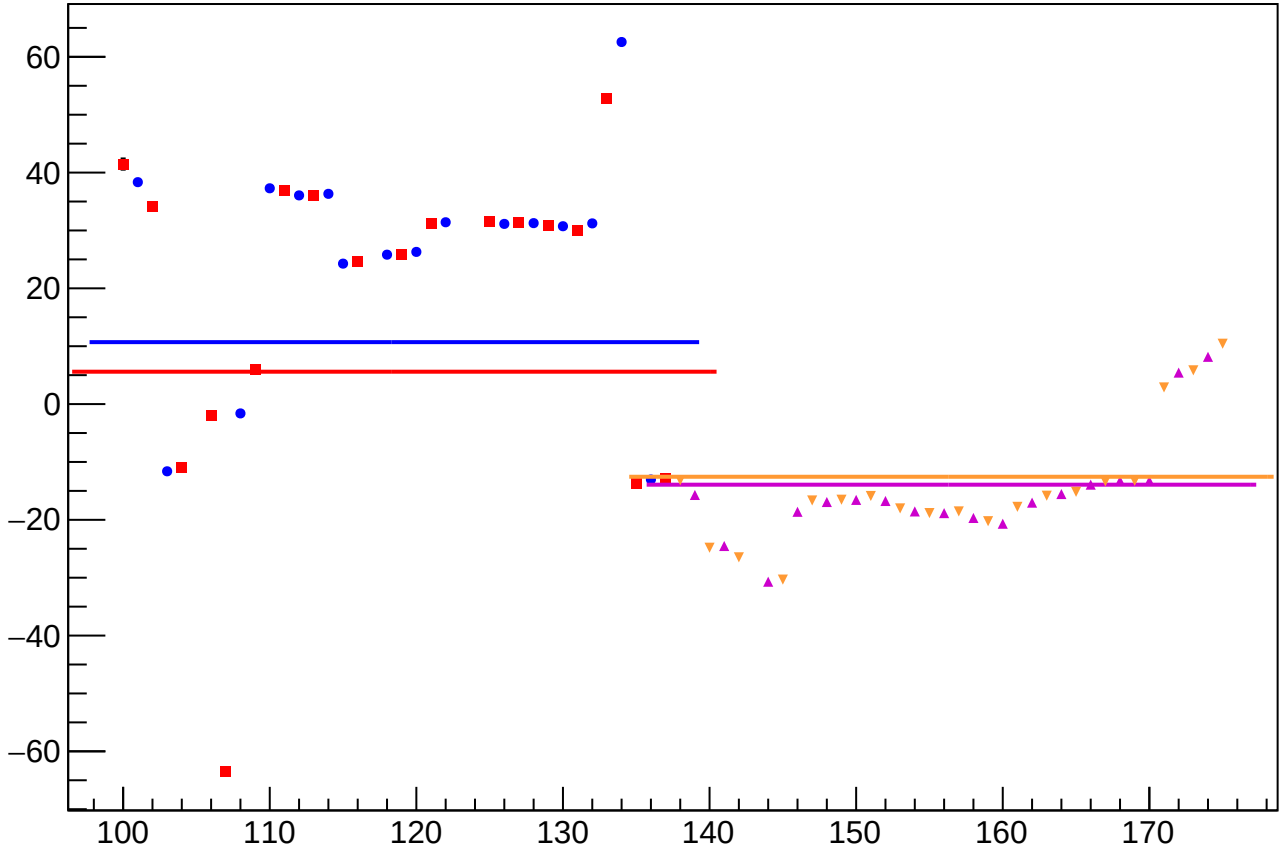
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 1.832+/-0.485 χ^2/NDF:1281.7/33

Out: -0.034+/-0.473 χ^2/NDF:1728.4/36

All: 0.875+/-0.339 χ^2/NDF: 3017.8/70

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -12.557+/-0.023 χ^2/NDF:209026.5/18

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -13.928+/-0.024 χ^2/NDF:160194.3/17

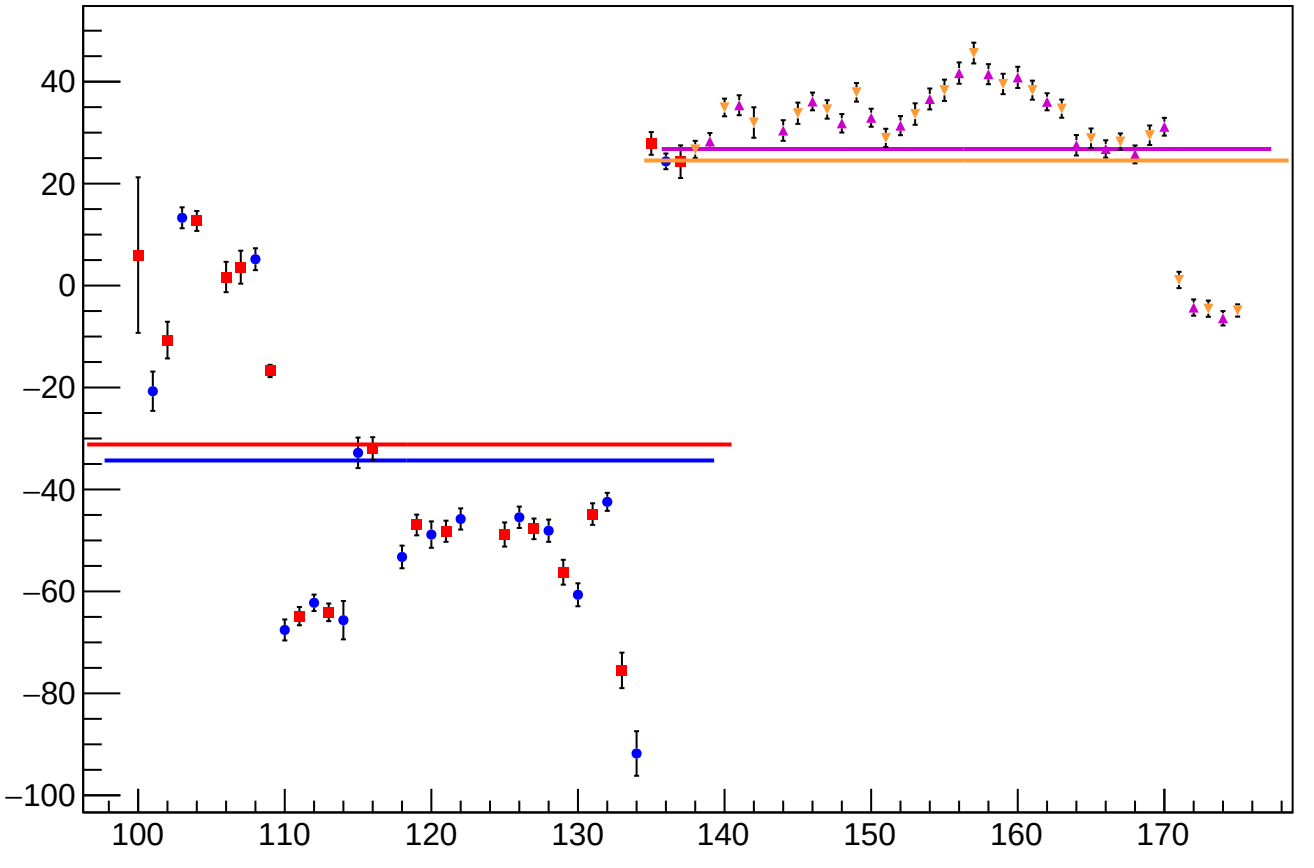
Left: -13.239+/-0.017 χ^2/NDF: 370928.1/36

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

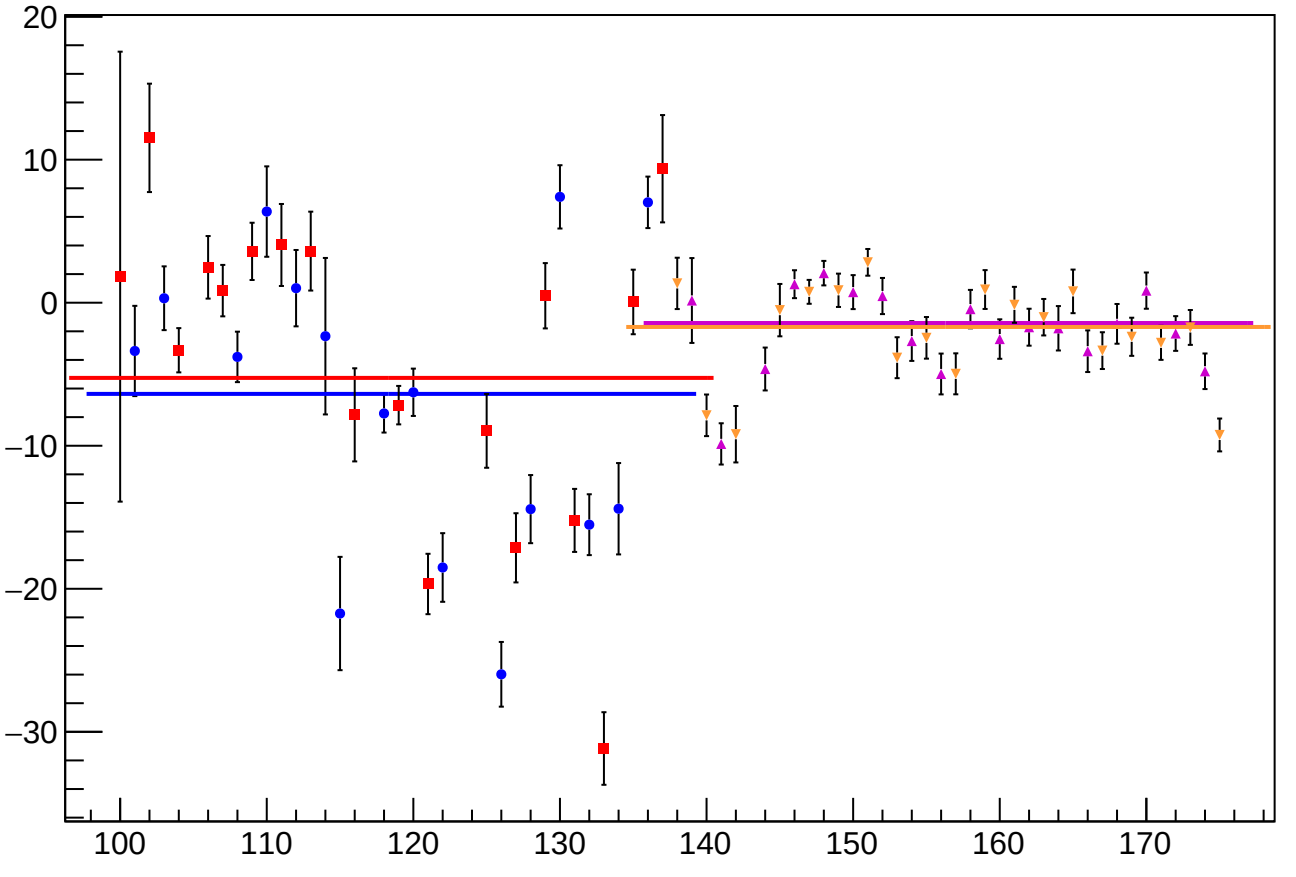
In: -10.904+/-0.022 χ^2/NDF:459572.3/33

Out: -10.393+/-0.022 χ^2/NDF:435707.0/36

All: -10.648+/-0.016 χ^2/NDF: 895548.6/70


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 24.536+/-0.412 χ²/NDF:1626.1/18
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 26.788+/-0.424 χ²/NDF:1224.1/17
Left: 25.629+/-0.295 χ²/NDF: 2864.7/36
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: 3.901+/-0.335 χ²/NDF:12506.5/33
Out: 2.843+/-0.322 χ²/NDF:11951.6/36
All: 3.350+/-0.232 χ²/NDF: 24463.3/70

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.696+/-0.293 χ^2/NDF:134.6/18

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.420+/-0.304 χ^2/NDF:90.2/17

Left: -1.563+/-0.211 χ^2/NDF: 225.2/36

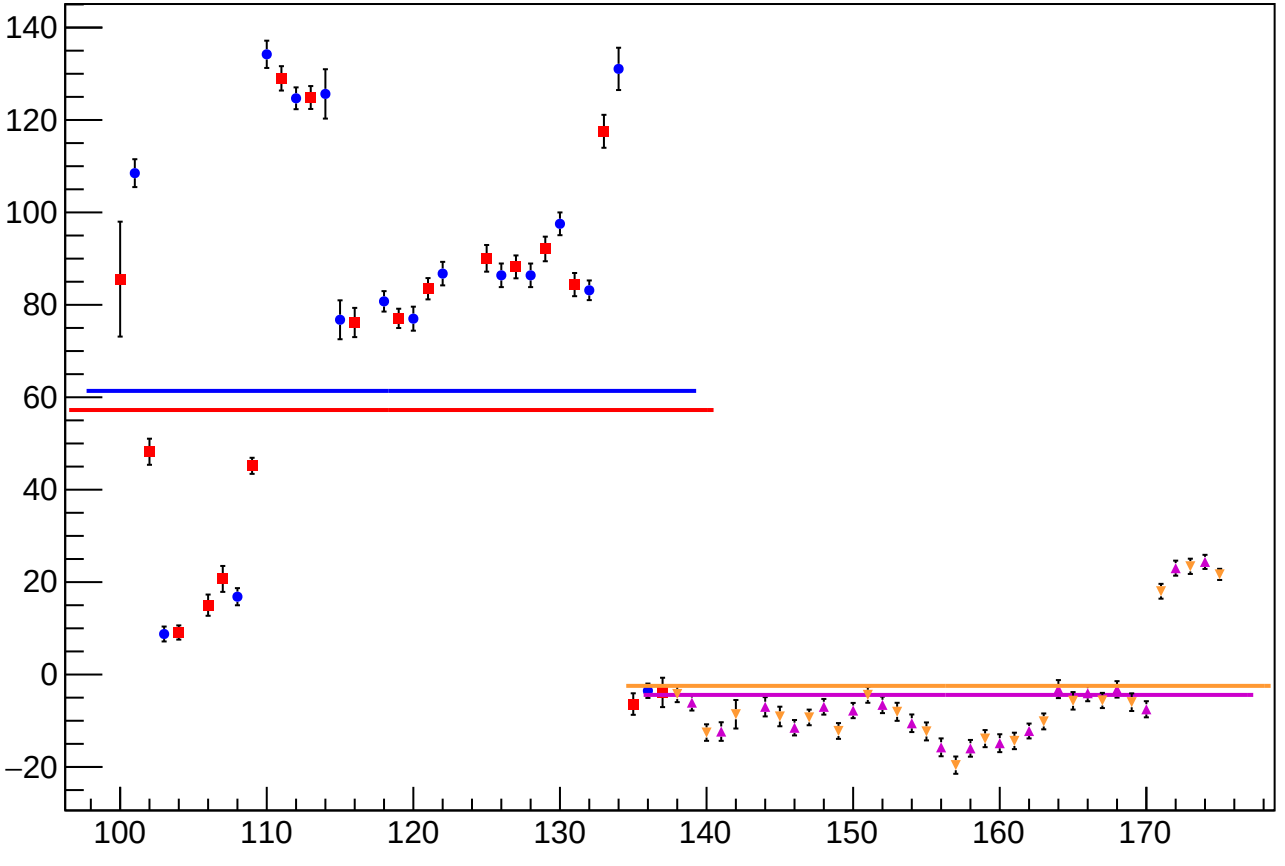
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.567+/-0.266 χ^2/NDF:435.3/33

Out: -2.524+/-0.257 χ^2/NDF:481.9/36

All: -2.545+/-0.185 χ^2/NDF: 917.2/70

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -2.451+/-0.404 χ^2/NDF:1135.8/18

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -4.409+/-0.417 χ^2/NDF:825.7/17

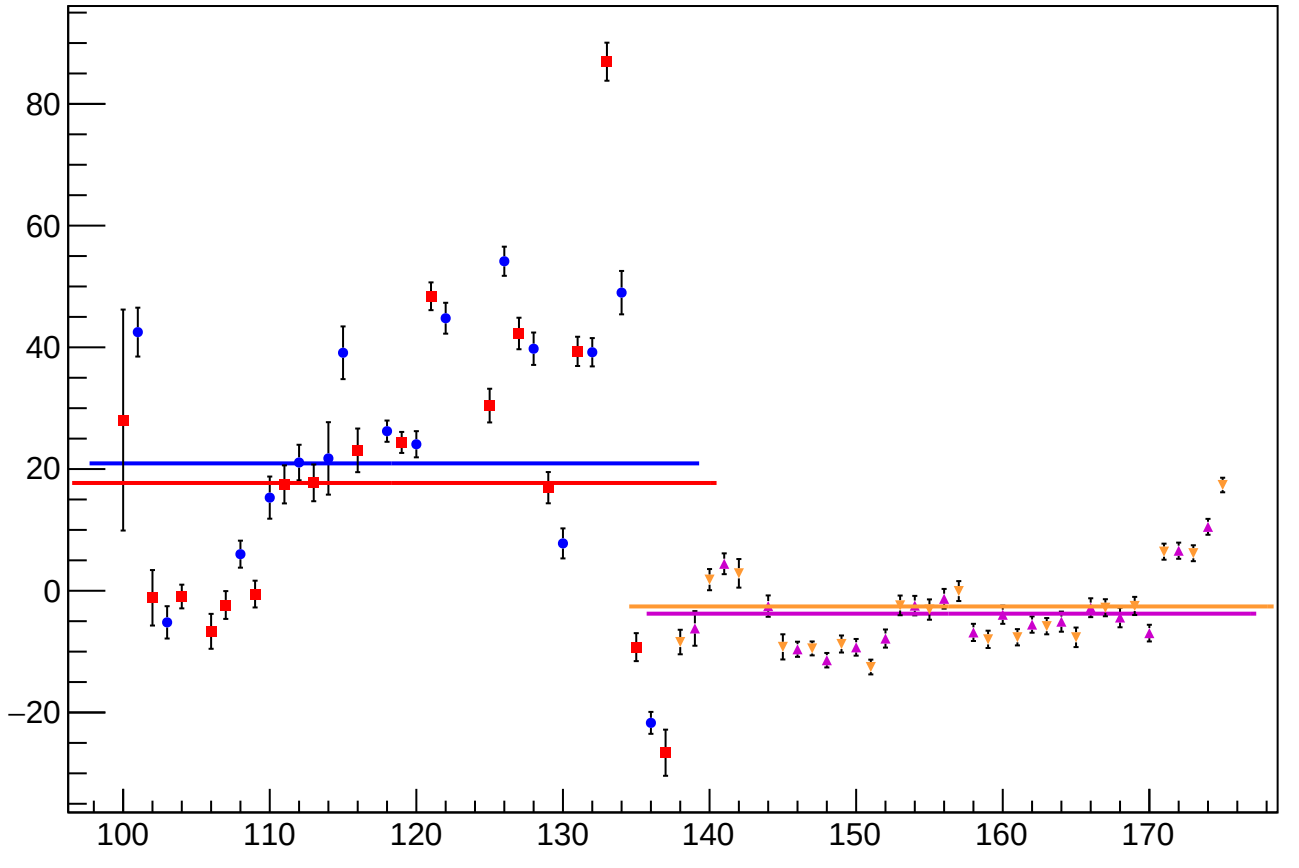
Left: -3.399+/-0.290 χ^2/NDF: 1972.8/36

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

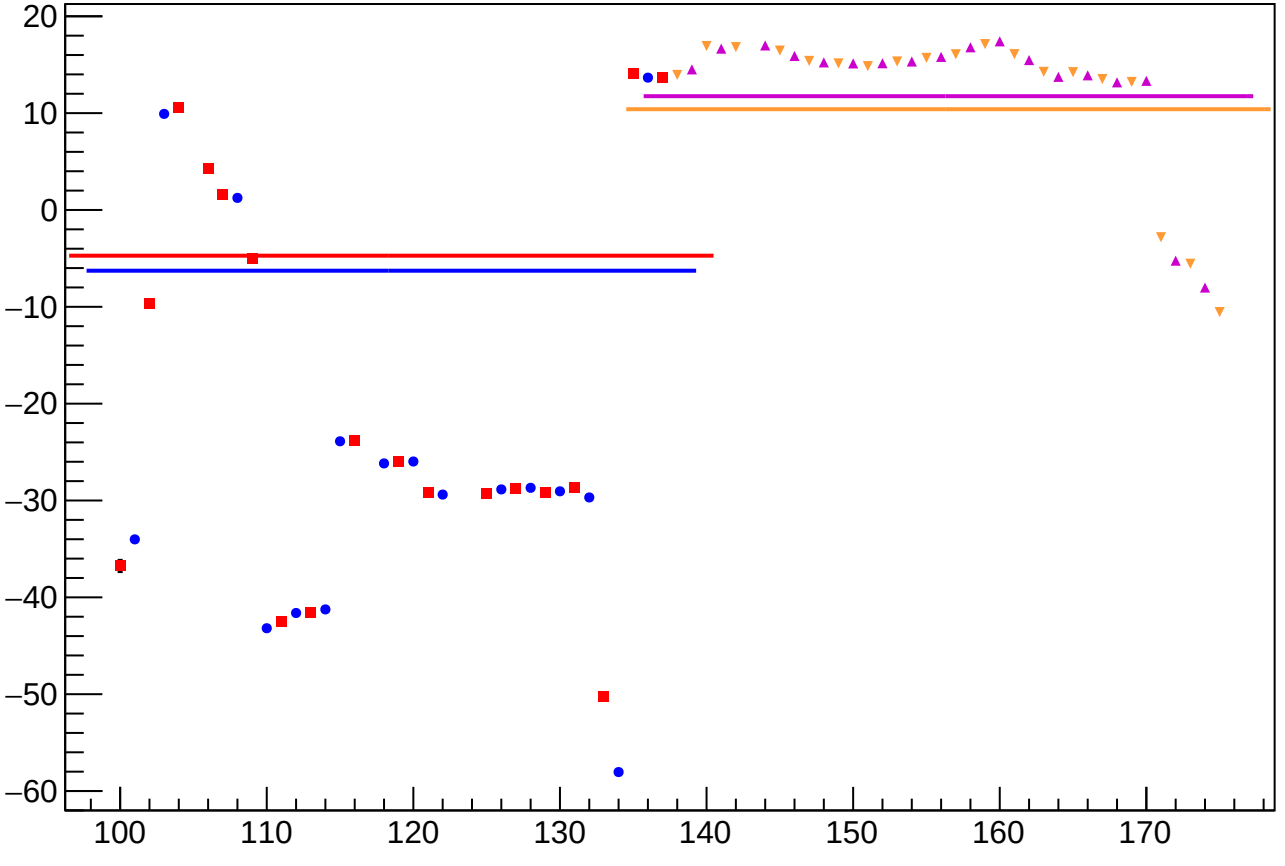
In: 17.298+/-0.341 χ^2/NDF:15102.4/33

Out: 17.047+/-0.332 χ^2/NDF:13530.5/36

All: 17.169+/-0.238 χ^2/NDF: 28633.1/70


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -2.578+/-0.336 χ²/NDF:570.3/18
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -3.764+/-0.348 χ²/NDF:307.5/17
Left: -3.150+/-0.242 χ²/NDF: 883.9/36
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 1.870+/-0.306 χ²/NDF:2701.6/33
Out: 2.041+/-0.295 χ²/NDF:2884.4/36
All: 1.959+/-0.212 χ²/NDF: 5586.1/70

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 10.406+/-0.015 χ^2/NDF:360166.6/18

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 11.749+/-0.015 χ^2/NDF:275291.7/17

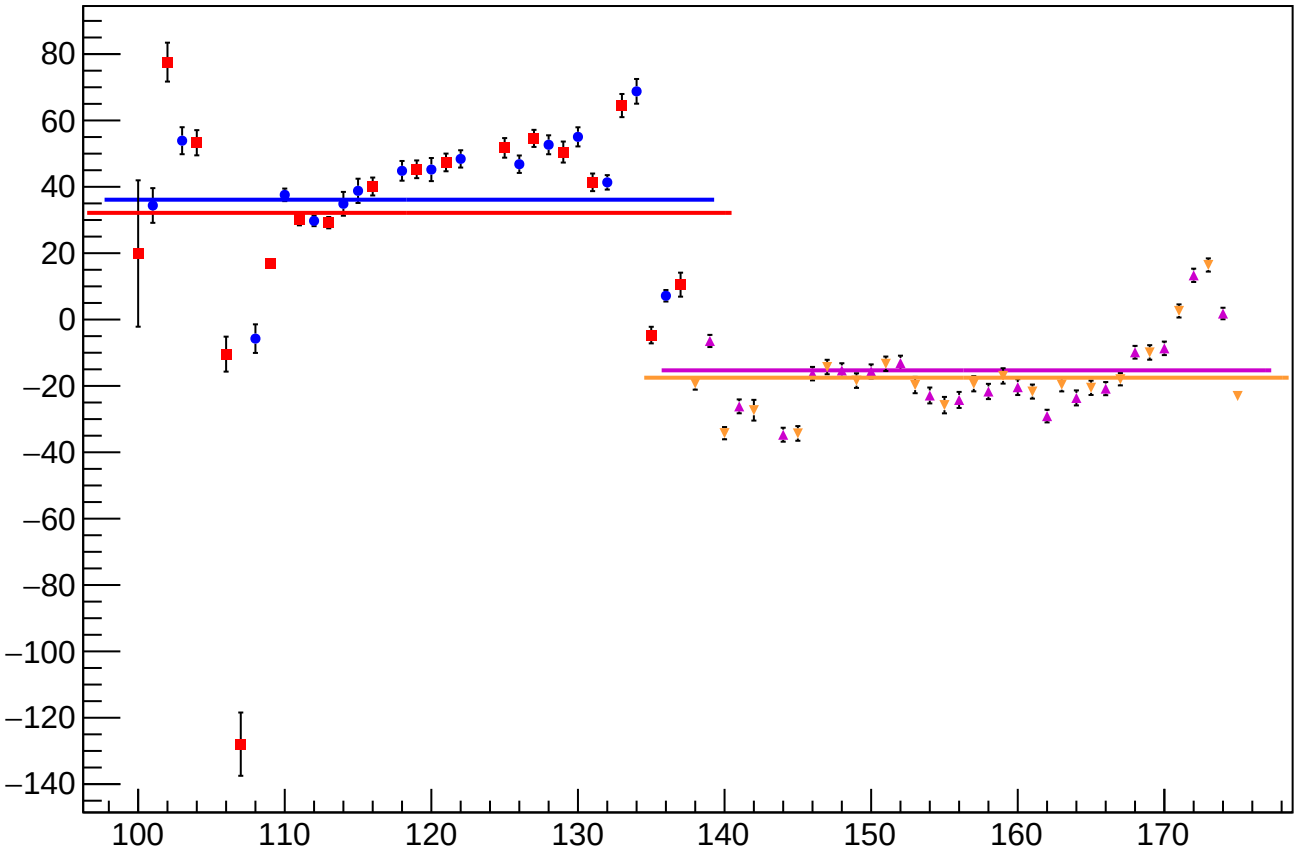
Left: 11.071+/-0.011 χ^2/NDF: 639331.7/36

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

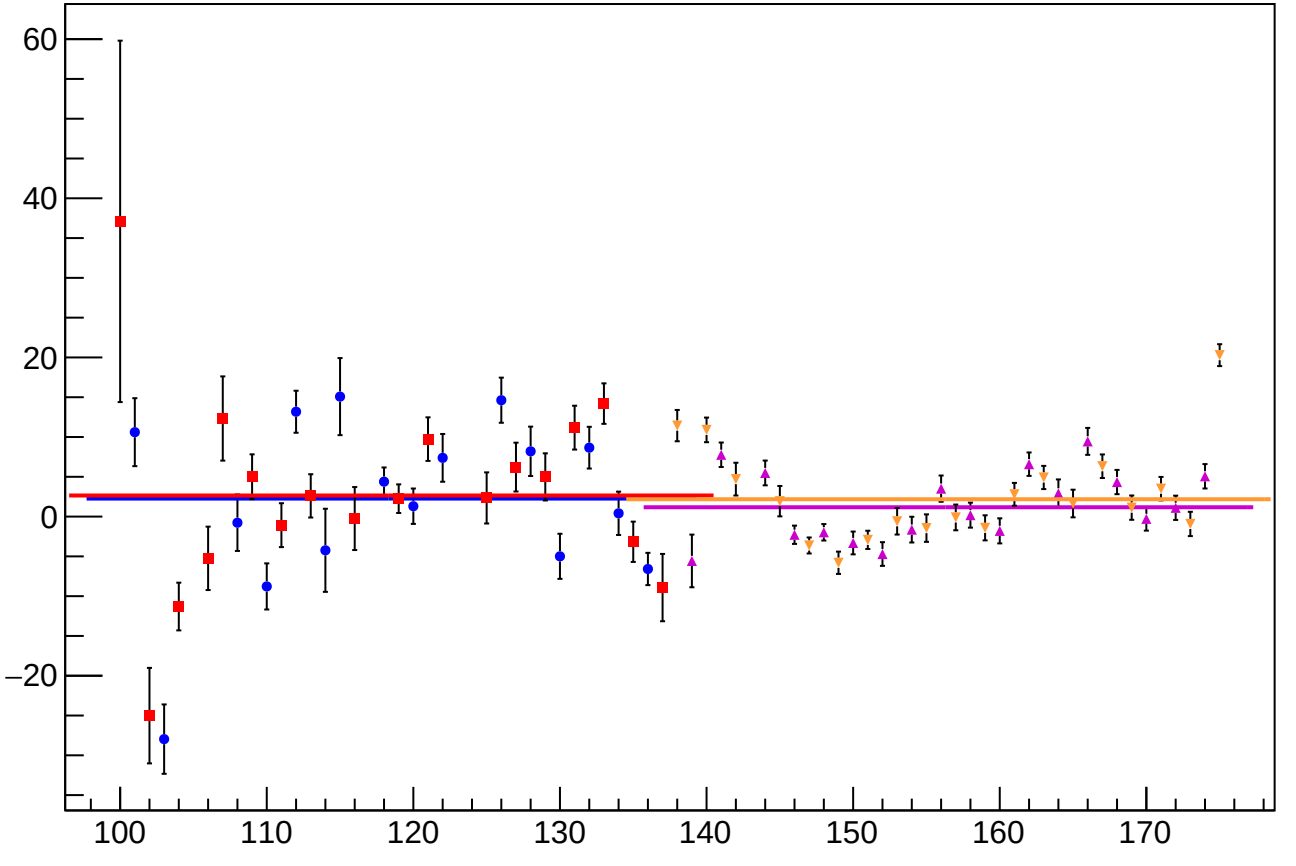
In: 8.615+/-0.014 χ^2/NDF:925984.0/33

Out: 7.848+/-0.014 χ^2/NDF:834330.0/36

All: 8.229+/-0.010 χ^2/NDF: 1761837.6/70


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -17.521+/-0.478 χ2/NDF:595.5/18
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -15.306+/-0.491 χ2/NDF:565.1/17
Left: -16.442+/-0.342 χ2/NDF: 1171.1/36
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 3.127+/-0.393 χ2/NDF:5125.2/33
Out: 0.604+/-0.381 χ2/NDF:5650.3/36
All: 1.826+/-0.274 χ2/NDF: 10796.7/70

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 2.182+/-0.343 χ^2/NDF:345.5/18

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.174+/-0.354 χ^2/NDF:133.0/17

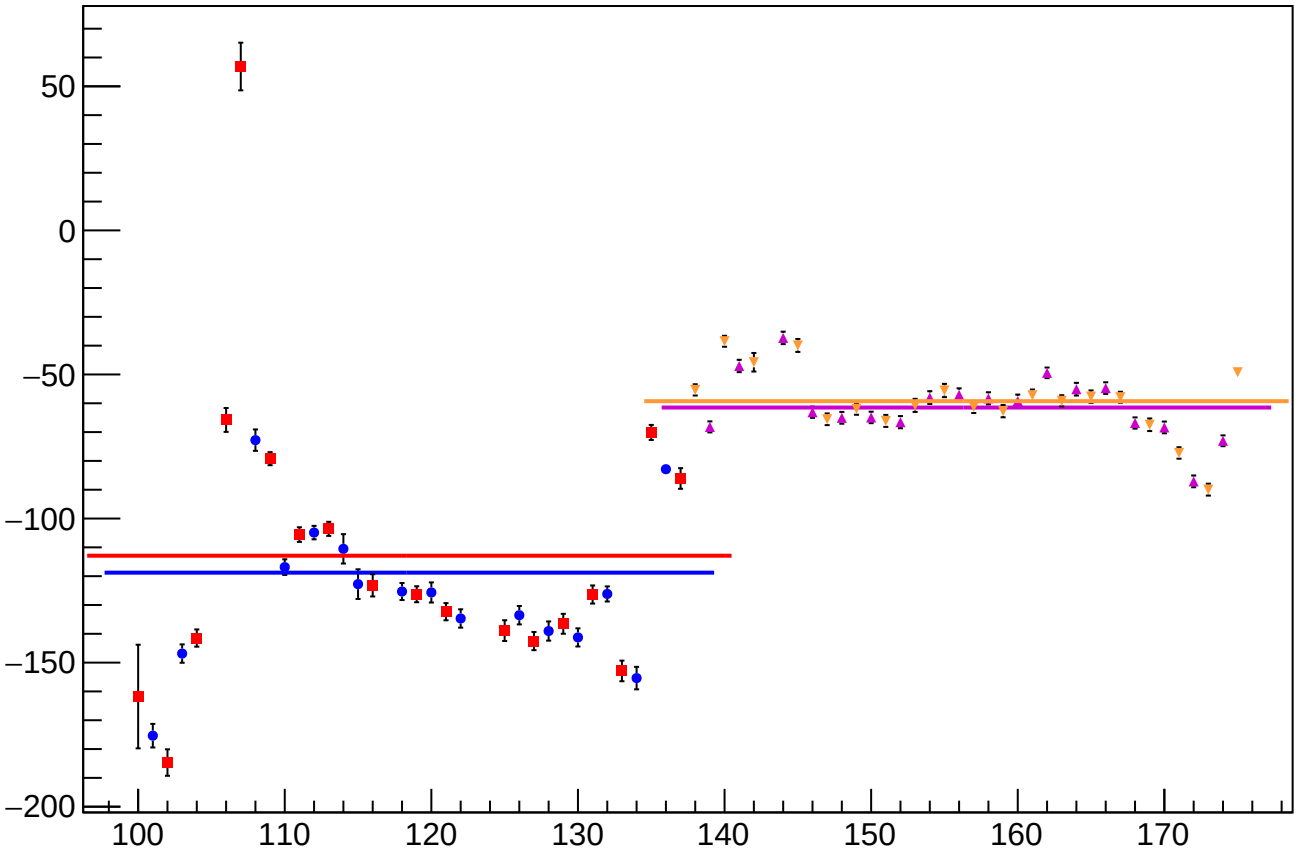
Left: 1.693+/-0.246 χ^2/NDF: 482.7/36

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.395+/-0.316 χ^2/NDF:287.0/33

Out: 2.269+/-0.309 χ^2/NDF:453.1/36

All: 1.841+/-0.221 χ^2/NDF: 744.0/70



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.264+/-0.470 χ^2/NDF:608.8/18

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -61.475+/-0.483 χ^2/NDF:480.1/17

Left: -60.339+/-0.337 χ^2/NDF: 1099.6/36

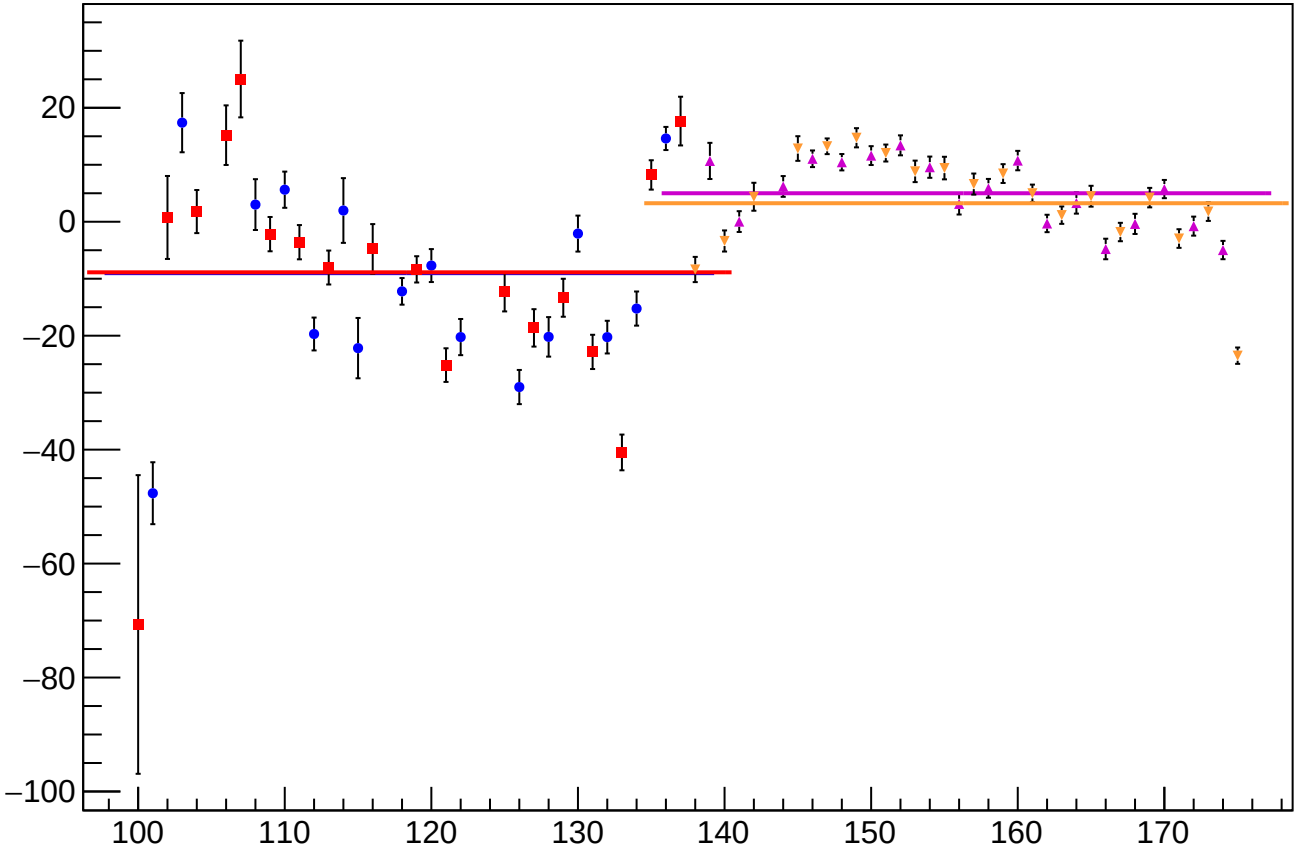
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.057+/-0.407 χ^2/NDF:5673.4/33

Out: -74.054+/-0.400 χ^2/NDF:6069.7/36

All: -76.018+/-0.285 χ^2/NDF: 11792.3/70

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 3.250+/-0.392 χ^2/NDF:603.7/18

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 5.001+/-0.405 χ^2/NDF:202.3/17

Left: 4.097+/-0.281 χ^2/NDF: 815.7/36

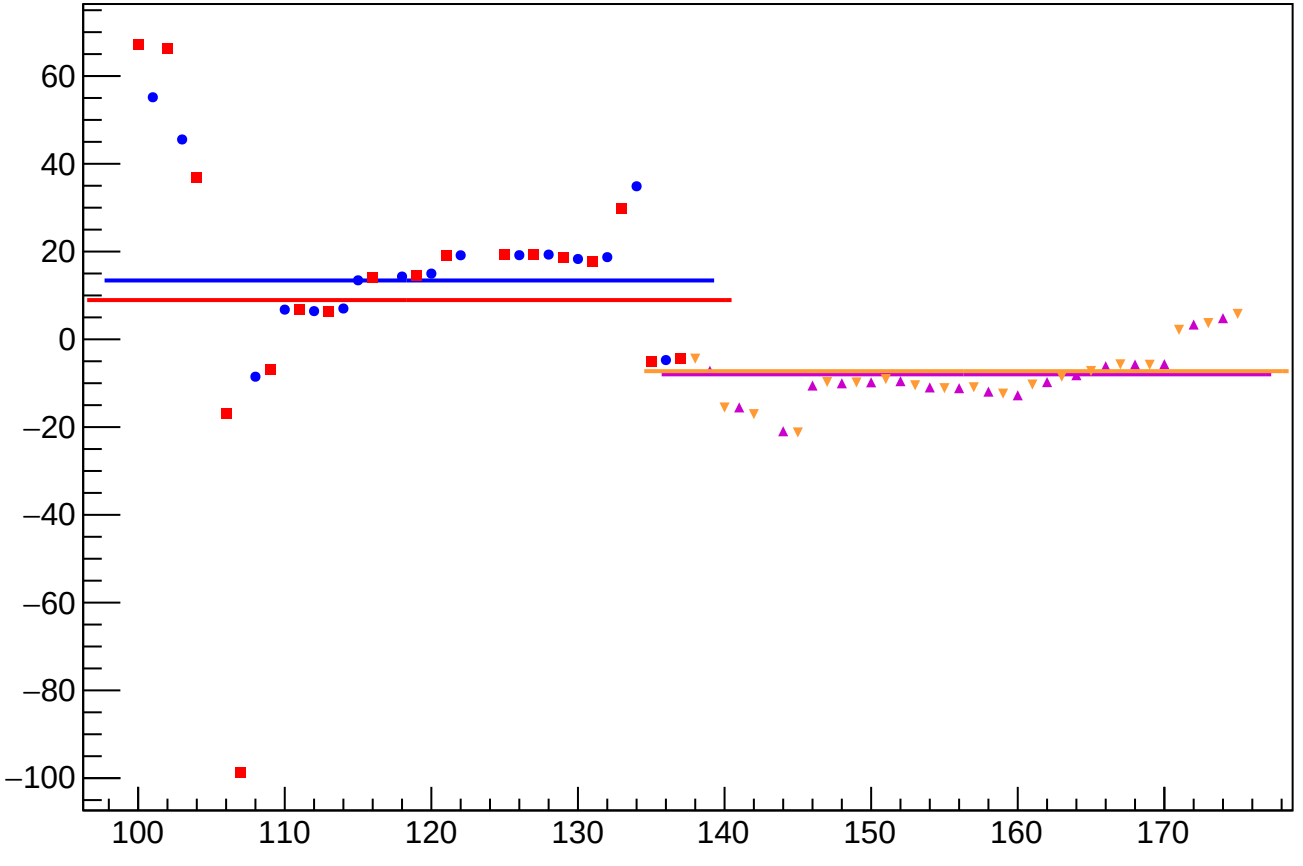
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.119+/-0.361 χ^2/NDF:807.1/33

Out: 0.953+/-0.353 χ^2/NDF:1104.0/36

All: 1.523+/-0.252 χ^2/NDF: 1916.4/70

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -7.255+/-0.018 χ^2/NDF:139140.8/18

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.980+/-0.018 χ^2/NDF:104864.0/17

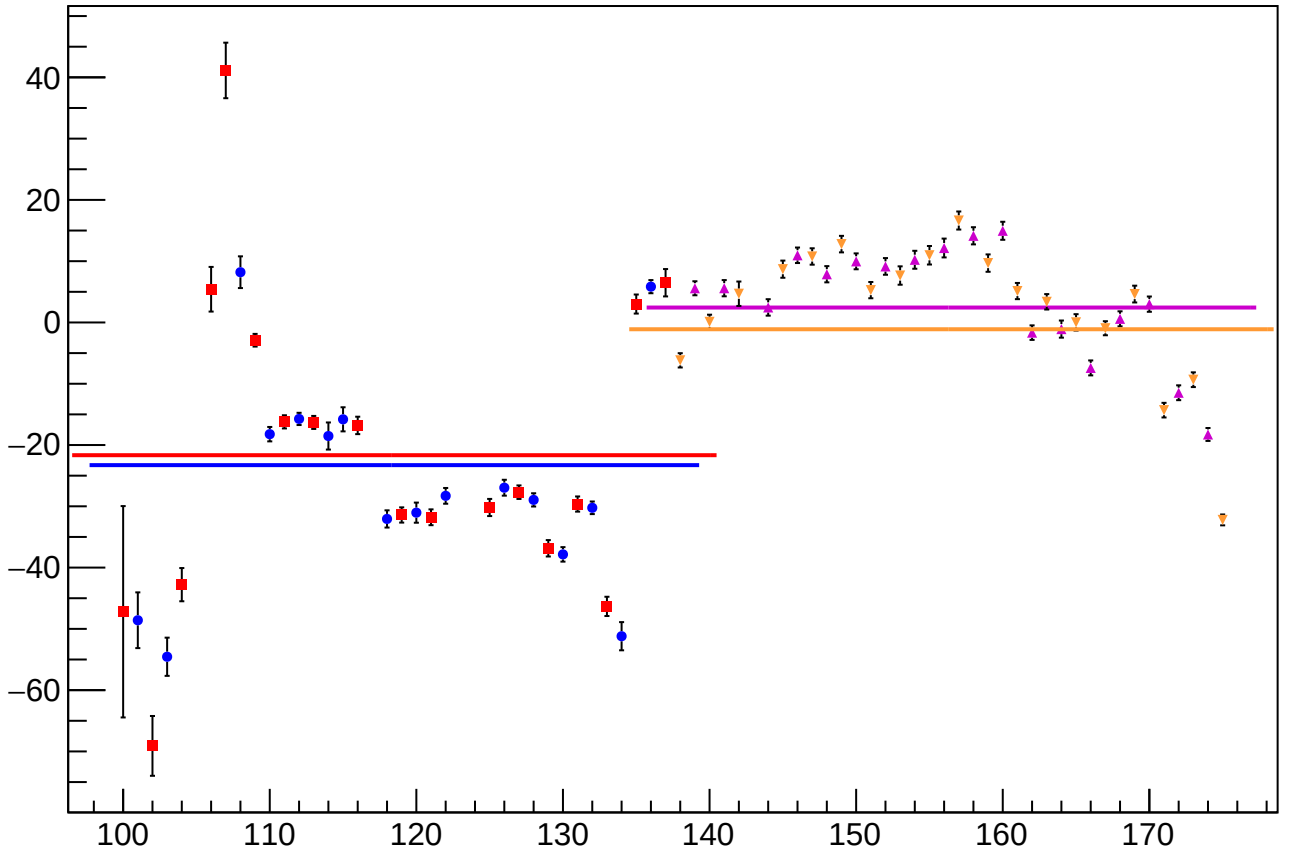
Left: -7.615+/-0.013 χ^2/NDF: 244838.4/36

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -5.119+/-0.017 χ^2/NDF:481895.7/33

Out: -5.275+/-0.017 χ^2/NDF:532779.5/36

All: -5.197+/-0.012 χ^2/NDF: 1014719.9/70



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.107+/-0.295 χ^2/NDF:2038.7/18

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 2.435+/-0.303 χ^2/NDF:947.8/17

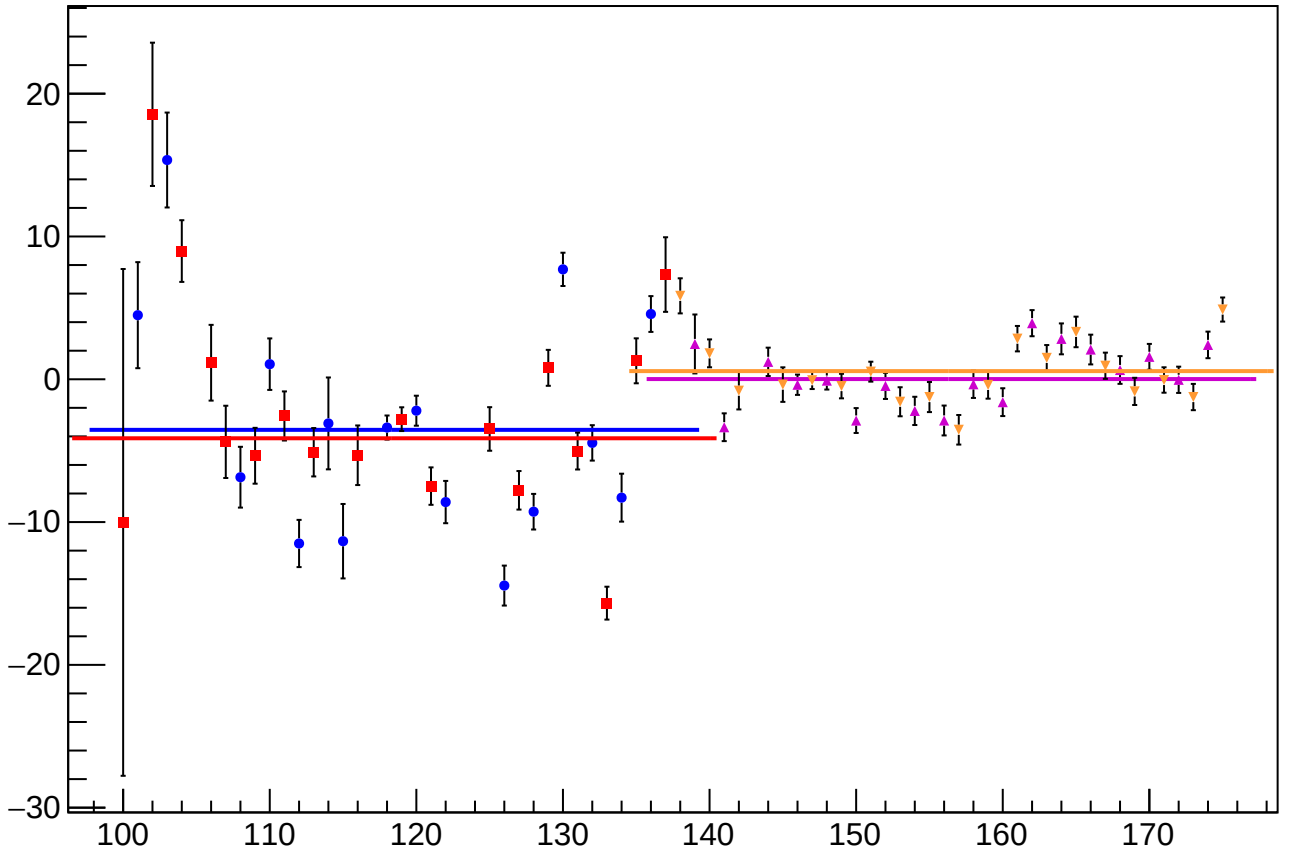
Left: 0.616+/-0.212 χ^2/NDF: 3056.5/36

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.580+/-0.229 χ^2/NDF:5594.9/33

Out: -9.728+/-0.225 χ^2/NDF:5885.1/36

All: -9.165+/-0.161 χ^2/NDF: 11492.7/70



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.571+/-0.211 χ^2/NDF:95.5/18

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.015+/-0.218 χ^2/NDF:81.3/17

Left: 0.302+/-0.152 χ^2/NDF: 180.2/36

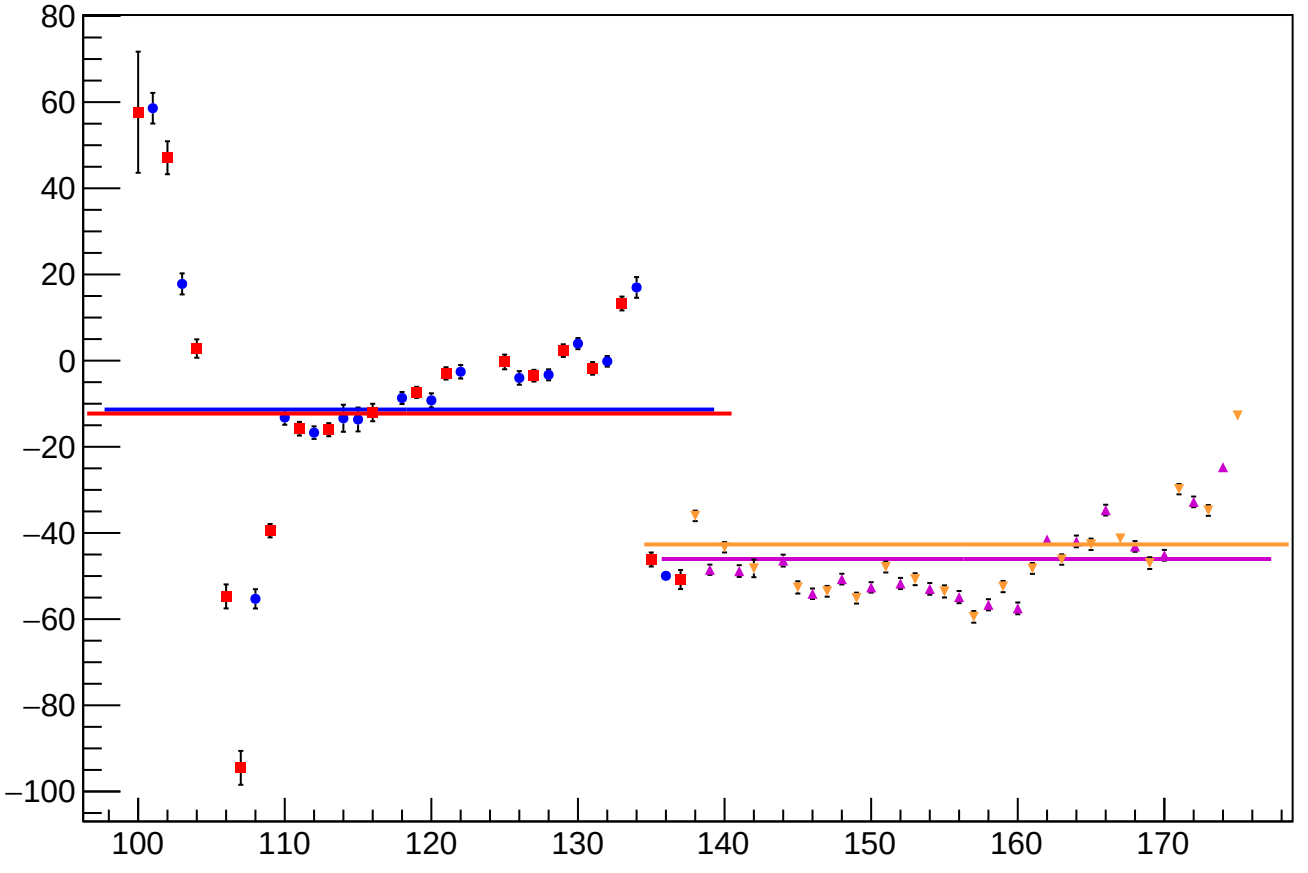
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.930+/-0.187 χ^2/NDF:468.7/33

Out: -0.582+/-0.184 χ^2/NDF:444.5/36

All: -0.752+/-0.131 χ^2/NDF: 915.0/70

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -42.656+/-0.290 χ^2/NDF:1917.2/18

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -46.046+/-0.298 χ^2/NDF:896.3/17

Left: -44.302+/-0.208 χ^2/NDF: 2879.9/36

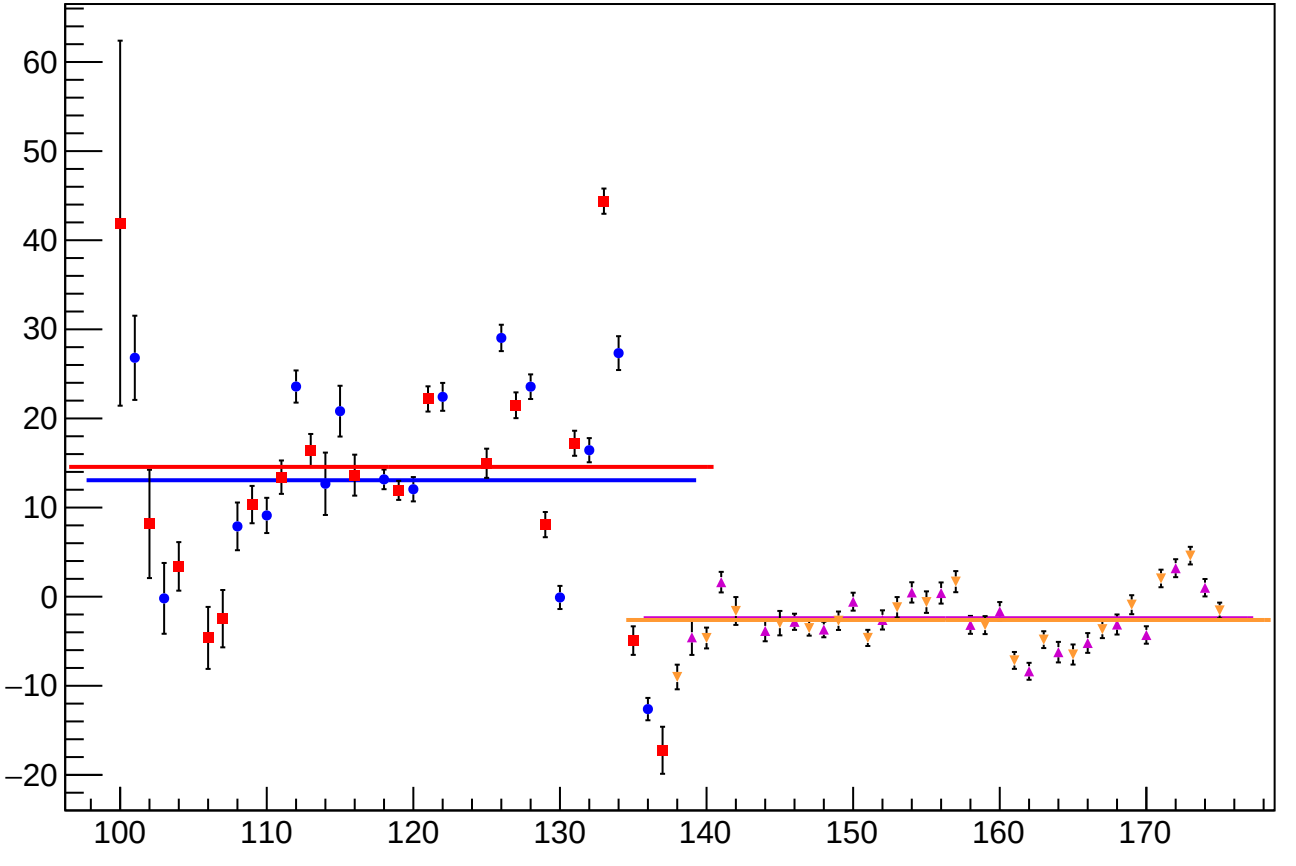
Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.863+/-0.240 χ^2/NDF:8302.5/33

Out: -32.634+/-0.237 χ^2/NDF:8129.4/36

All: -33.240+/-0.169 χ^2/NDF: 16445.1/70

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.616+/-0.241 χ^2/NDF:170.0/18

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.418+/-0.250 χ^2/NDF:138.0/17

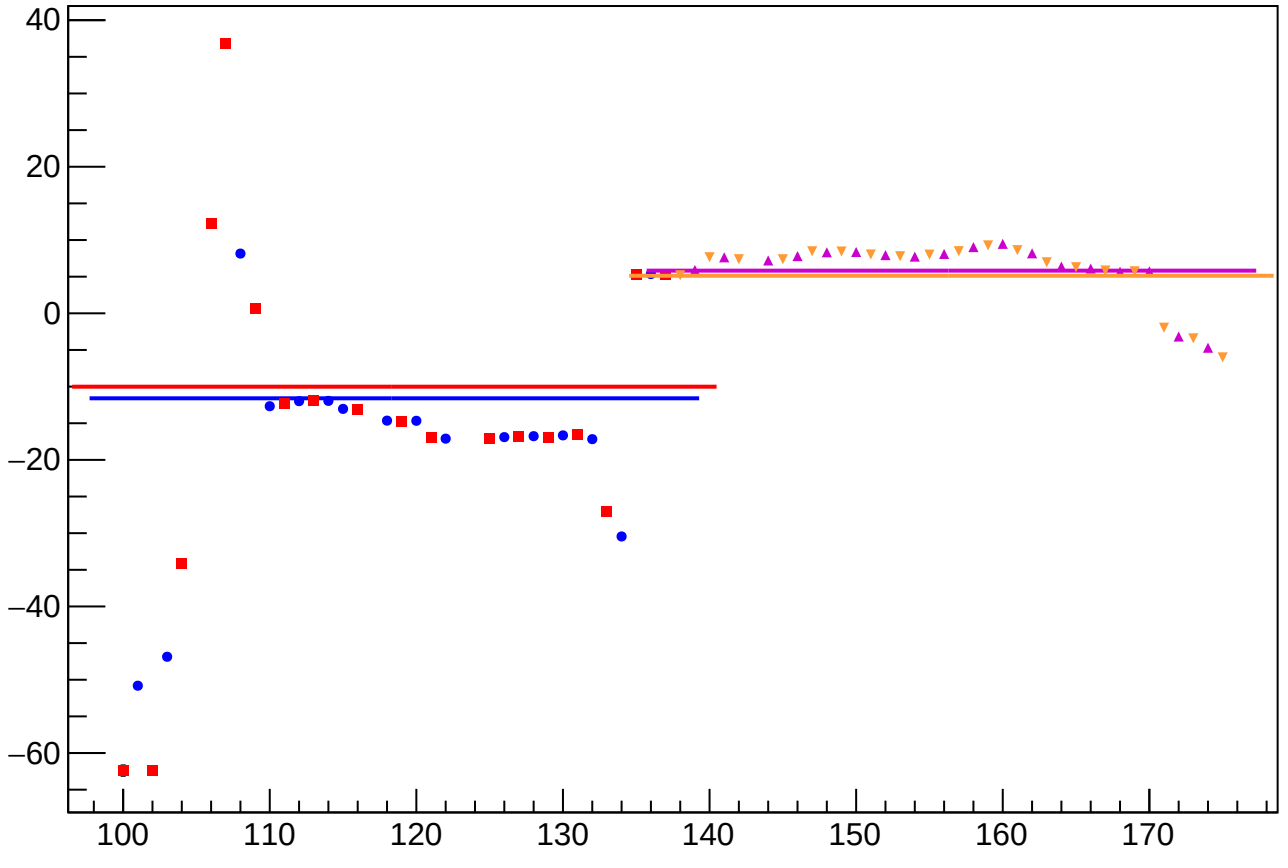
Left: -2.520+/-0.174 χ^2/NDF: 308.2/36

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.700+/-0.214 χ^2/NDF:2024.6/33

Out: 1.614+/-0.210 χ^2/NDF:2319.2/36

All: 1.656+/-0.150 χ^2/NDF: 4343.9/70



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.126+/-0.011 χ^2/NDF:188917.4/18

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 5.822+/-0.011 χ^2/NDF:142040.0/17

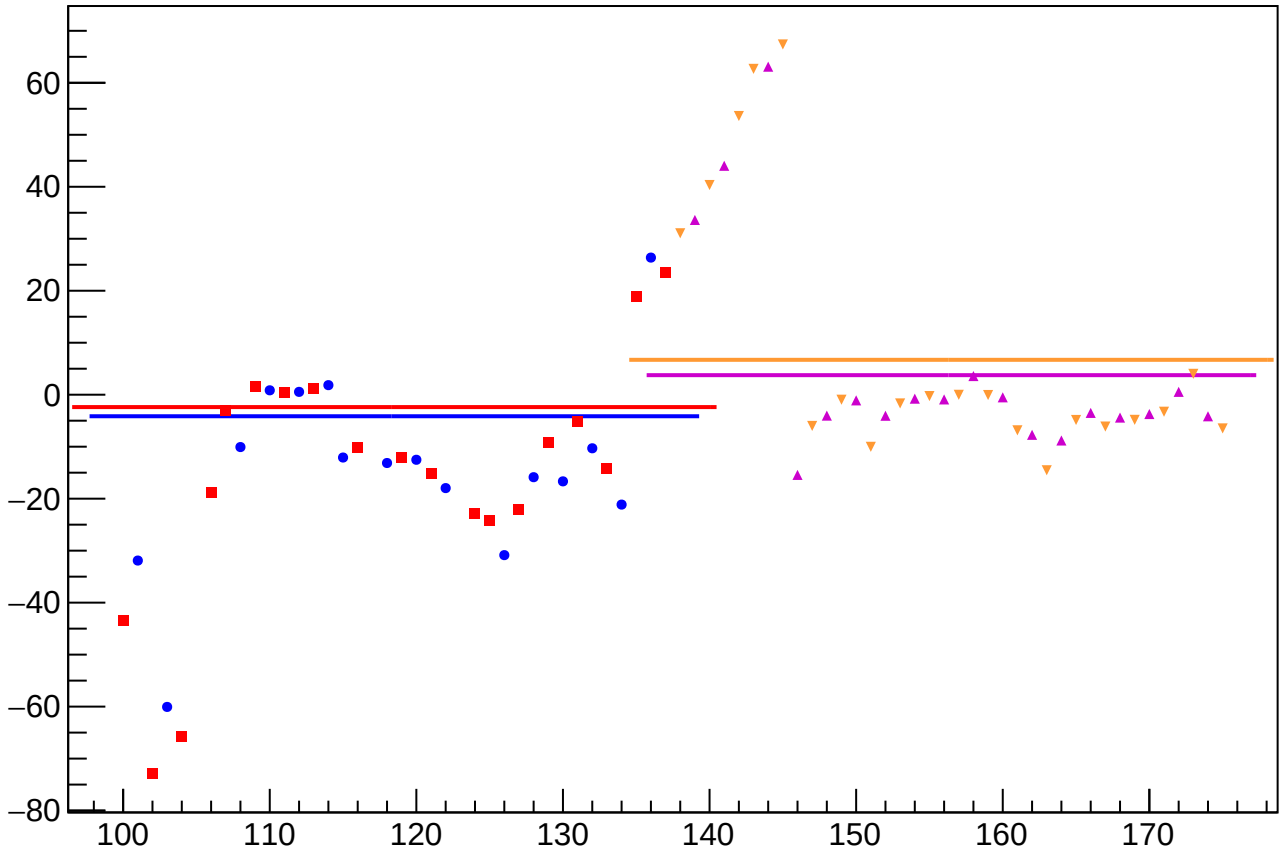
Left: 5.472+/-0.008 χ^2/NDF: 332974.5/36

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.232+/-0.010 χ^2/NDF:875687.5/33

Out: 3.058+/-0.010 χ^2/NDF:847868.2/36

All: 3.145+/-0.007 χ^2/NDF: 1723704.0/70



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 6.711+/-0.053 χ^2/NDF:160307.0/19

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 3.759+/-0.050 χ^2/NDF:123127.0/17

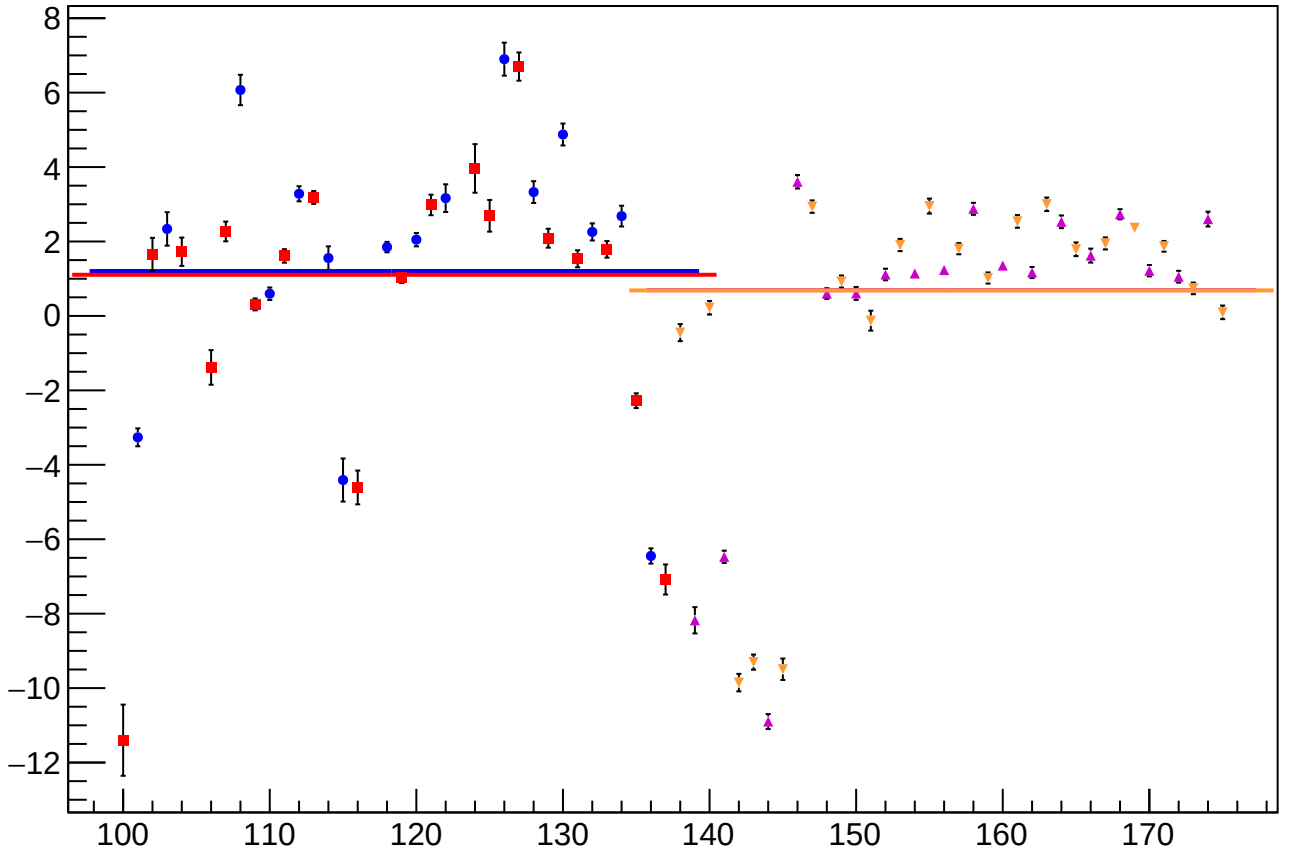
Left: 5.128+/-0.036 χ^2/NDF: 285079.4/37

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.193+/-0.037 χ^2/NDF:209856.7/33

Out: 1.513+/-0.035 χ^2/NDF:257696.5/38

All: 0.887+/-0.025 χ^2/NDF: 468232.7/72



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.686+/-0.039 χ^2/NDF:6746.9/19

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.691+/-0.036 χ^2/NDF:6821.9/17

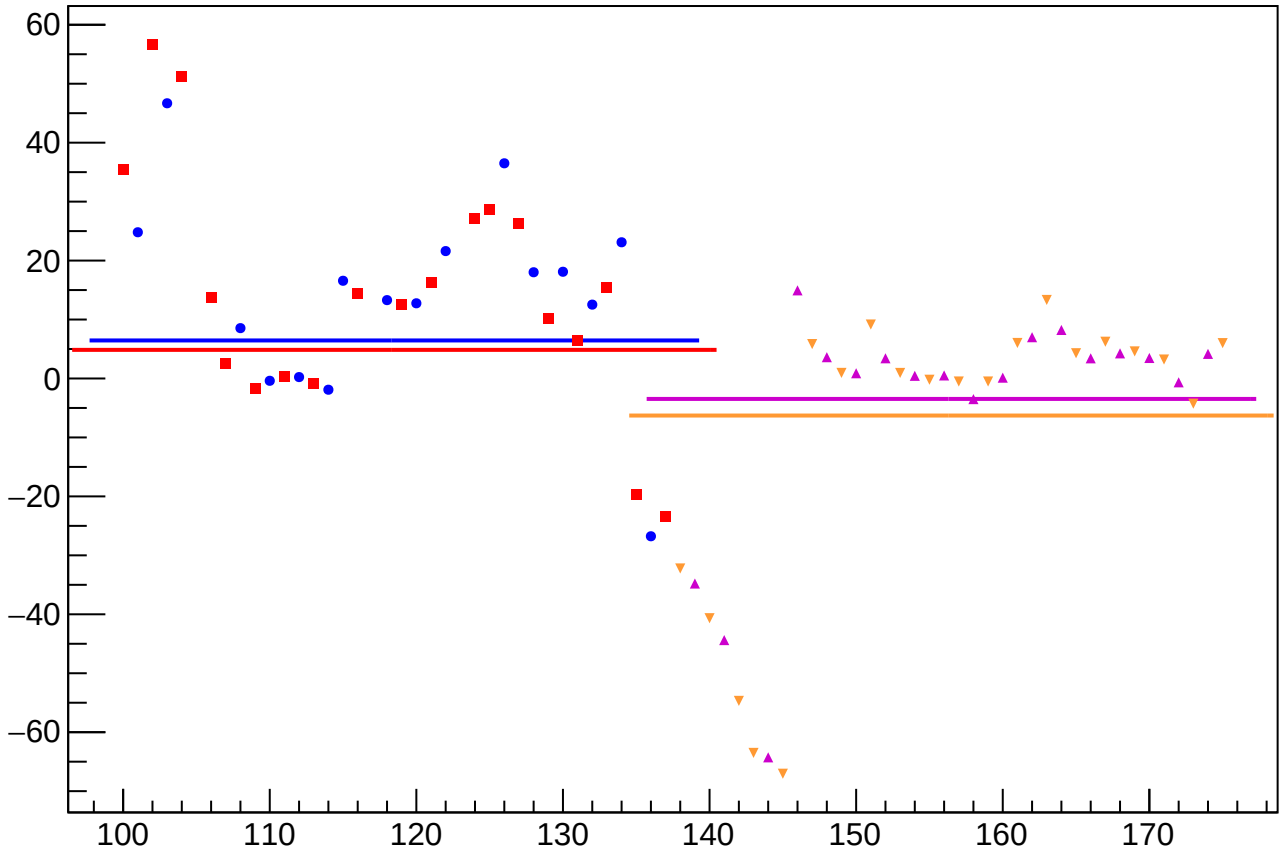
Left: 0.689+/-0.027 χ^2/NDF: 13568.9/37

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.826+/-0.031 χ^2/NDF:9460.0/33

Out: 0.821+/-0.032 χ^2/NDF:8370.7/38

All: 0.824+/-0.022 χ^2/NDF: 17830.7/72



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -6.285+/-0.052 χ^2/NDF:155260.5/19

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -3.468+/-0.048 χ^2/NDF:120360.1/17

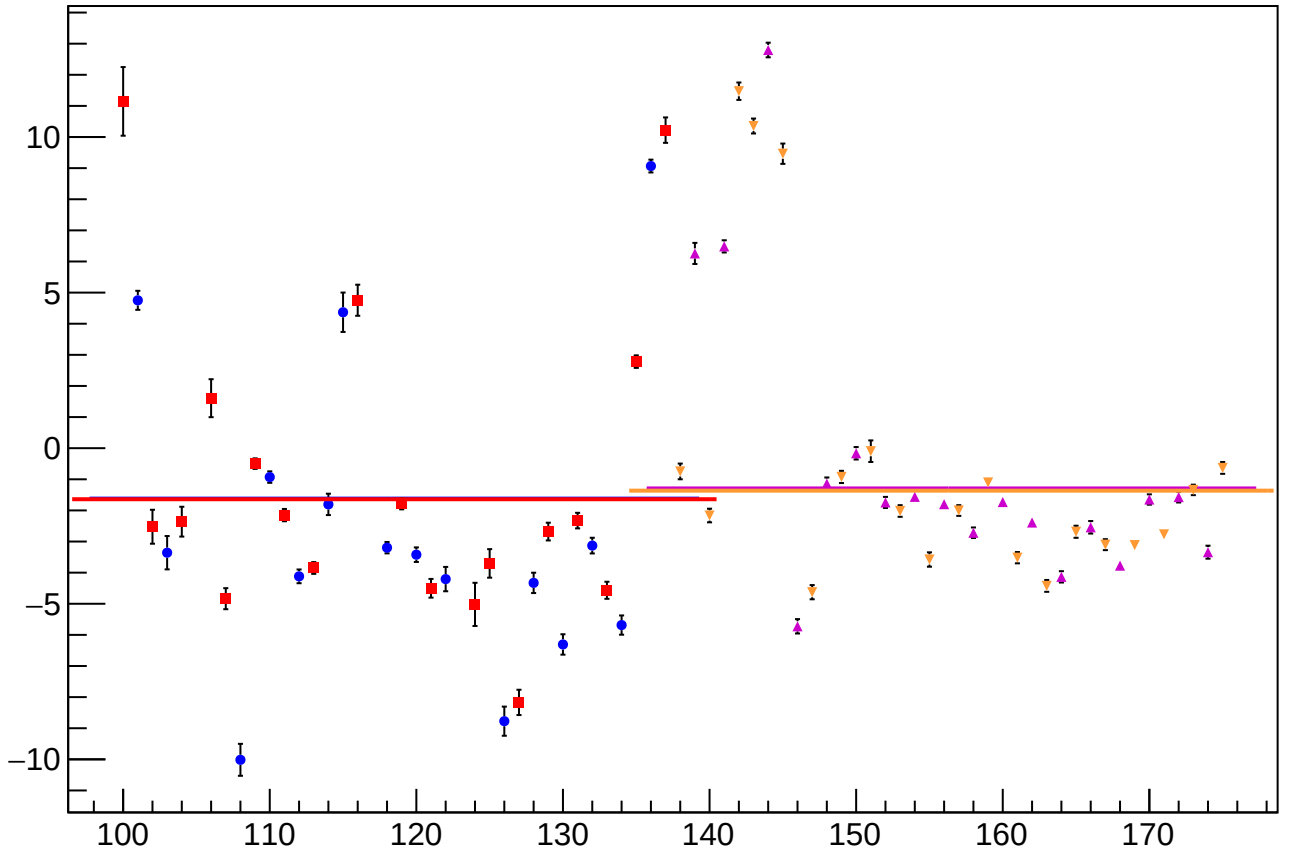
Left: -4.758+/-0.036 χ^2/NDF: 277182.4/37

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.041+/-0.039 χ^2/NDF:205988.6/33

Out: -1.379+/-0.039 χ^2/NDF:250369.0/38

All: -0.660+/-0.028 χ^2/NDF: 457020.5/72



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.365+/-0.044 χ^2/NDF:6724.5/19

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.294+/-0.041 χ^2/NDF:6836.7/17

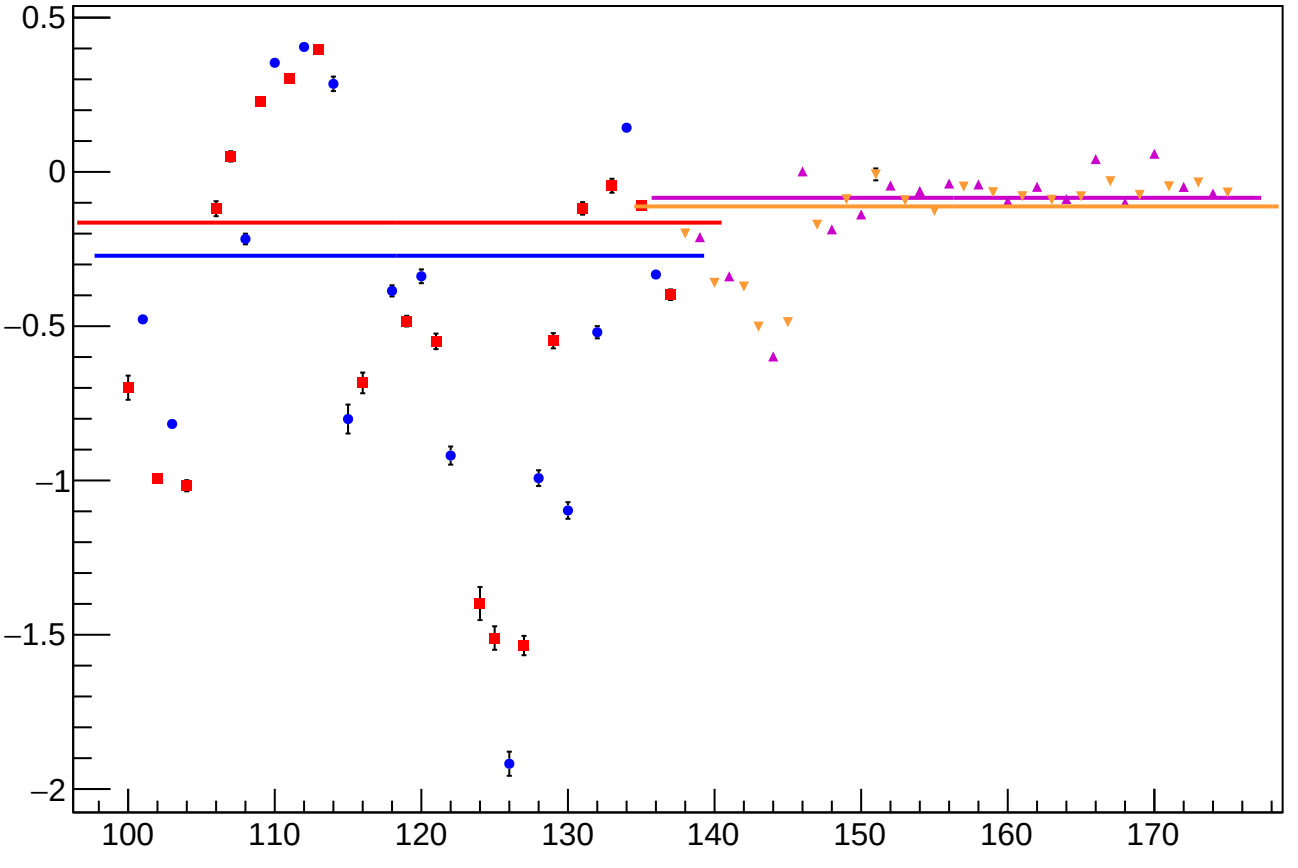
Left: -1.326+/-0.030 χ^2/NDF: 13562.6/37

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.377+/-0.035 χ^2/NDF:11378.5/33

Out: -1.453+/-0.036 χ^2/NDF:9199.0/38

All: -1.413+/-0.025 χ^2/NDF: 20579.8/72



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.112+/-0.002 χ^2/NDF:3485.0/19

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.084+/-0.002 χ^2/NDF:3685.7/17

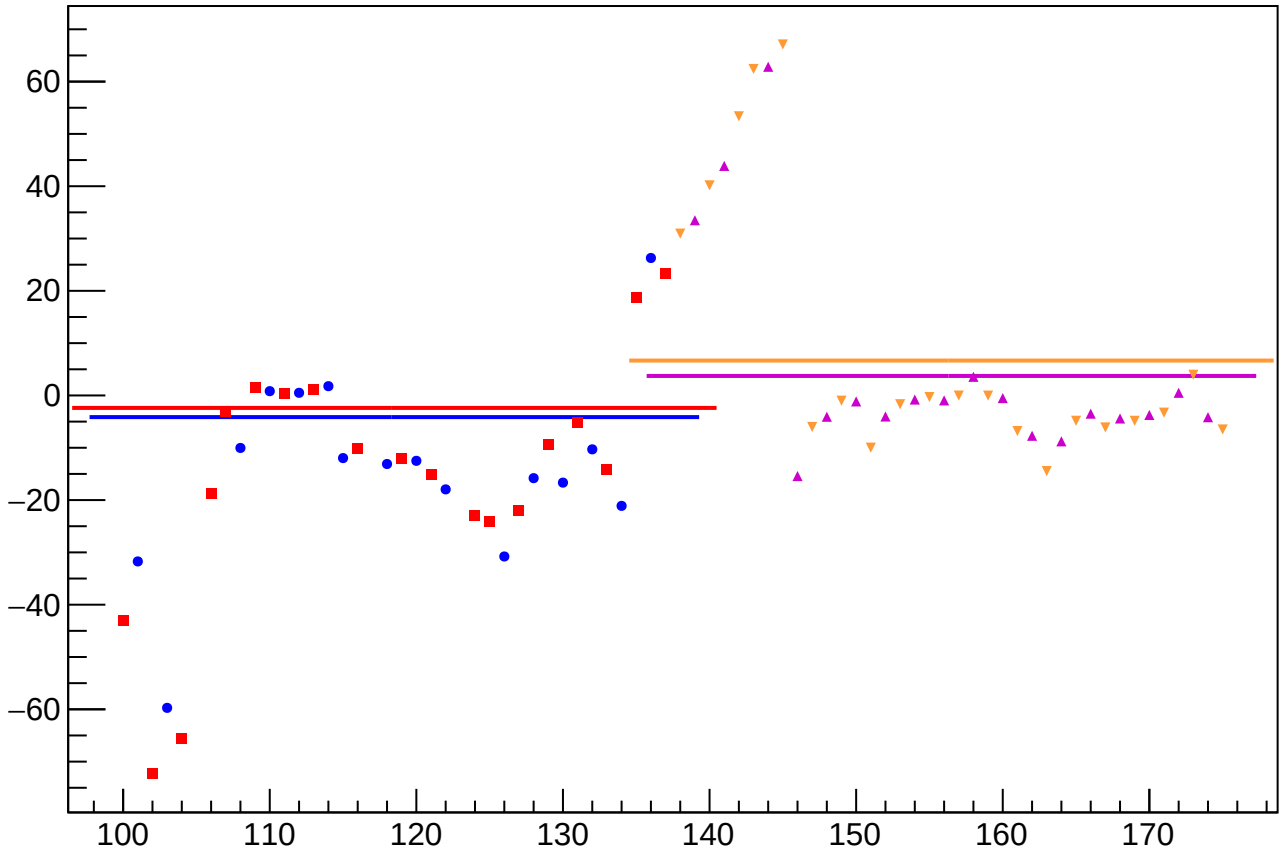
Left: -0.096+/-0.001 χ^2/NDF: 7286.3/37

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.112+/-0.002 χ^2/NDF:17476.7/33

Out: -0.123+/-0.002 χ^2/NDF:19133.3/38

All: -0.117+/-0.001 χ^2/NDF: 36632.8/72



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 6.675+/-0.053 χ^2/NDF:160075.9/19

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 3.730+/-0.049 χ^2/NDF:123016.0/17

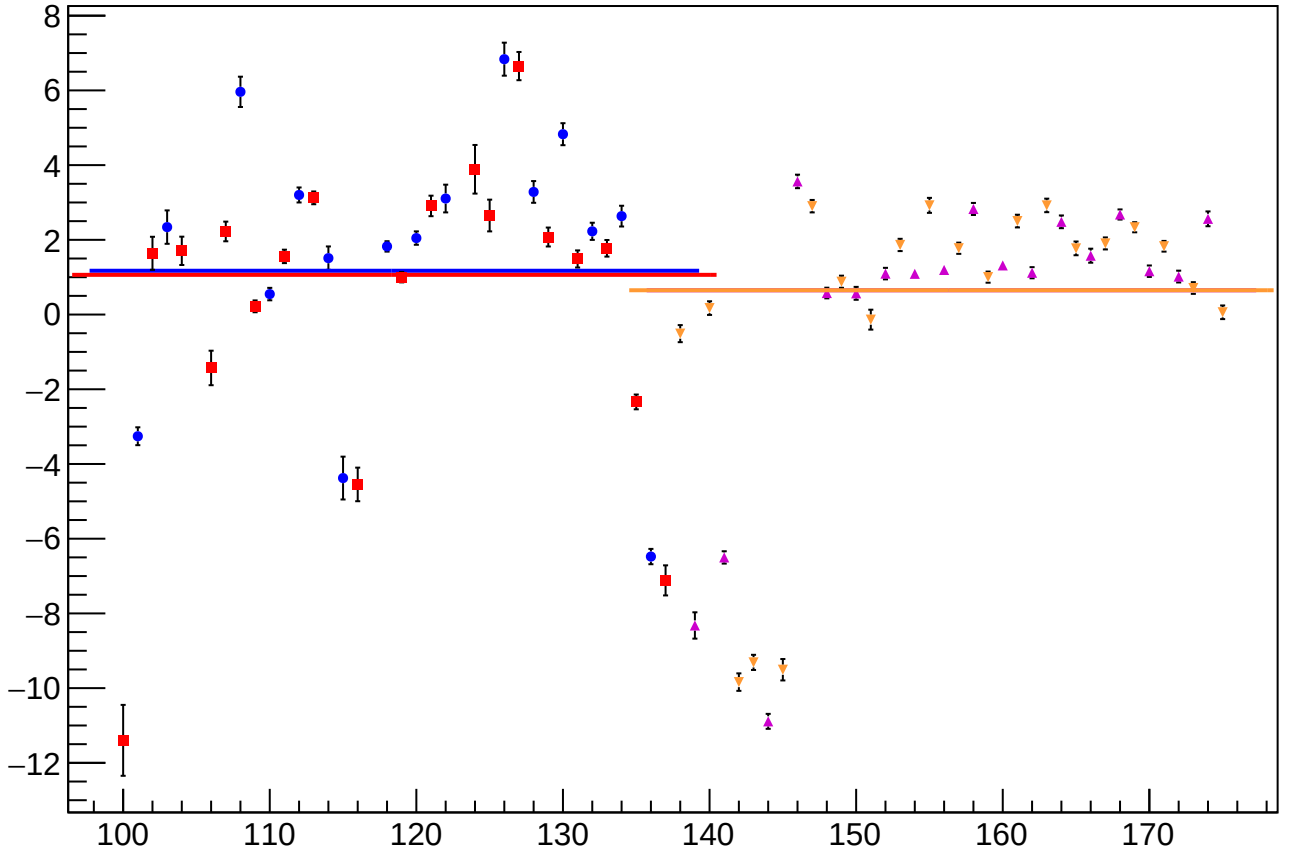
Left: 5.097+/-0.036 χ^2/NDF: 284739.5/37

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.166+/-0.037 χ^2/NDF:209726.0/33

Out: 1.484+/-0.035 χ^2/NDF:257397.5/38

All: 0.860+/-0.025 χ^2/NDF: 467806.9/72



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.650+/-0.039 χ^2/NDF:6751.0/19

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.649+/-0.036 χ^2/NDF:6838.3/17

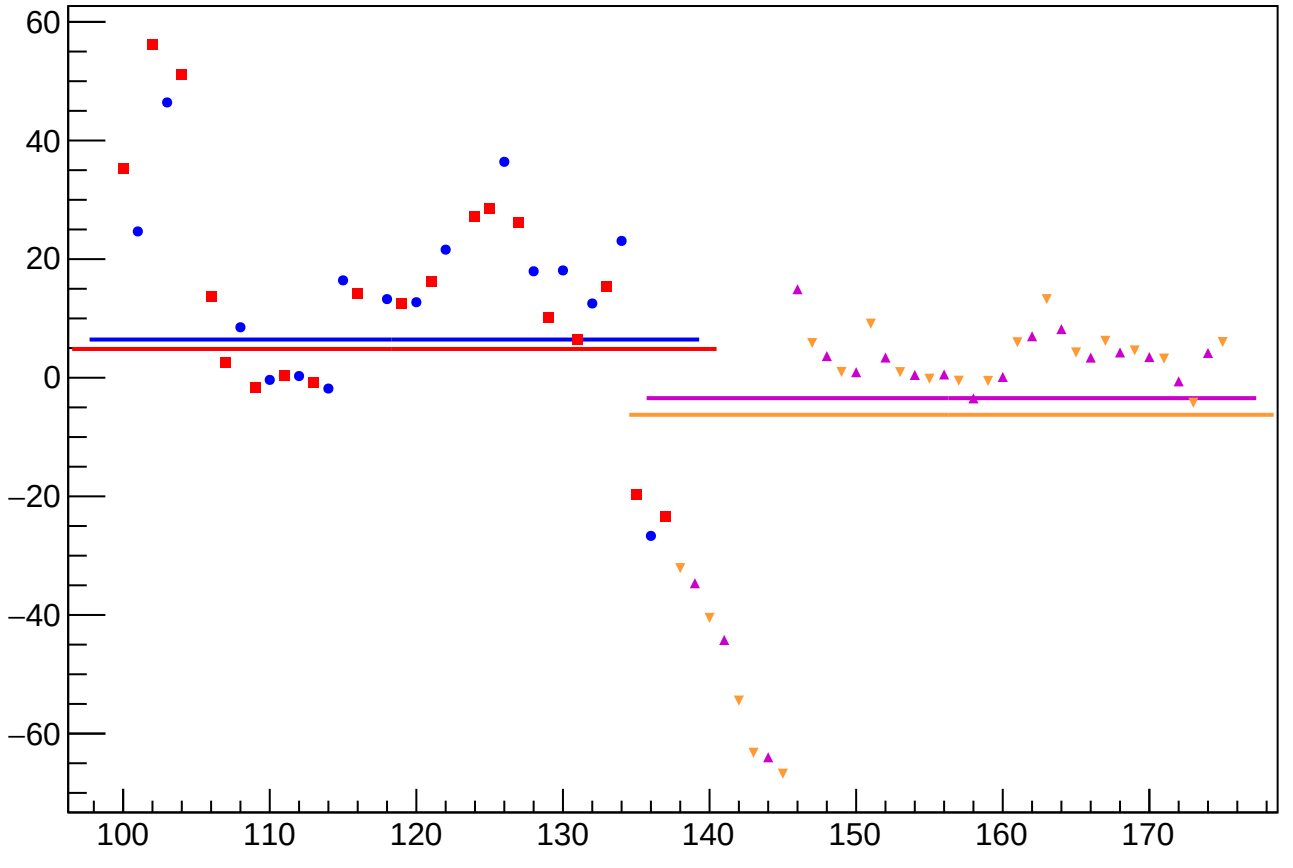
Left: 0.650+/-0.026 χ^2/NDF: 13589.3/37

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.787+/-0.031 χ^2/NDF:9478.6/33

Out: 0.783+/-0.032 χ^2/NDF:8383.1/38

All: 0.785+/-0.022 χ^2/NDF: 17861.6/72



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -6.251+/-0.052 χ^2/NDF:155032.9/19

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -3.439+/-0.048 χ^2/NDF:120246.8/17

Left: -4.728+/-0.035 χ^2/NDF: 276844.1/37

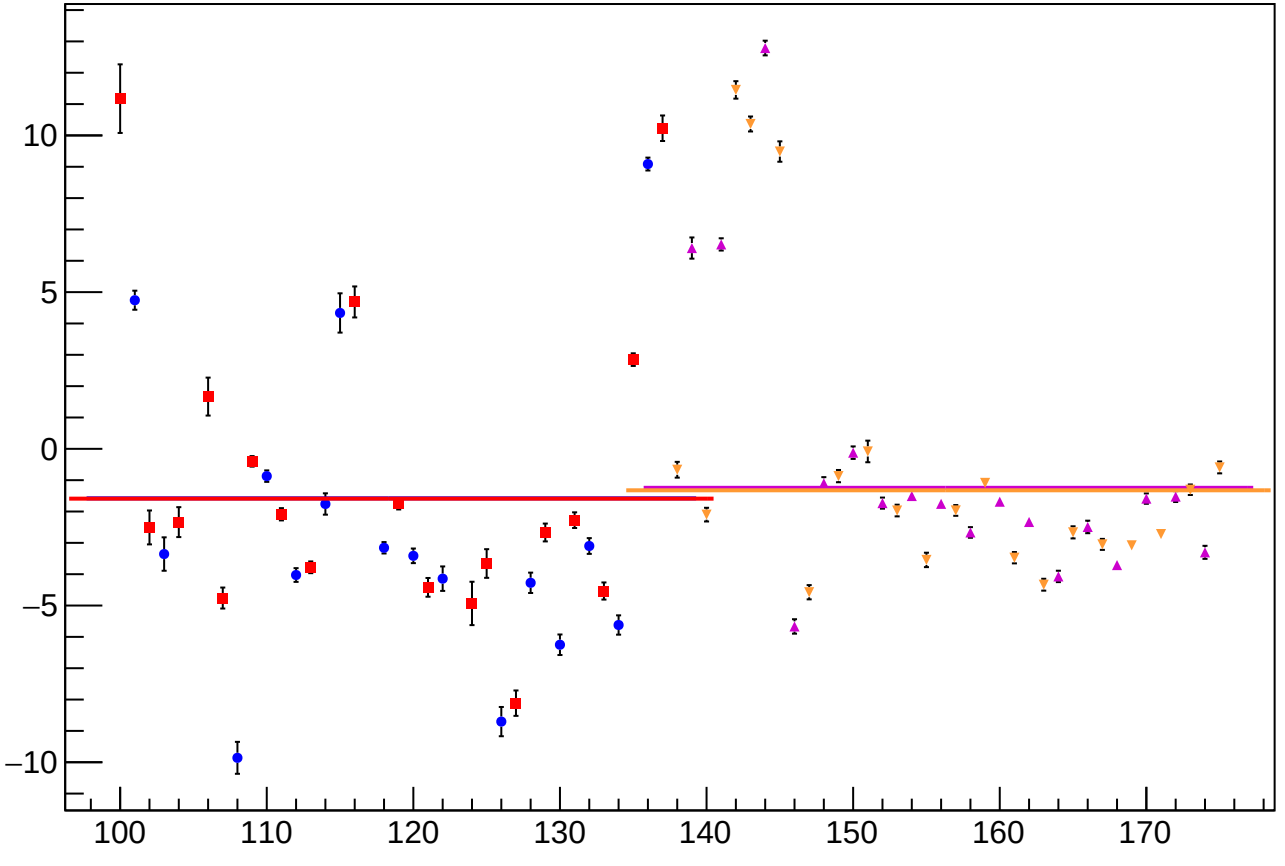
Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.069+/-0.039 χ^2/NDF:205849.8/33

Out: -1.349+/-0.039 χ^2/NDF:250071.4/38

All: -0.632+/-0.027 χ^2/NDF: 456586.2/72

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.323+/-0.044 χ^2/NDF:6723.2/19

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.244+/-0.040 χ^2/NDF:6851.4/17

Left: -1.280+/-0.030 χ^2/NDF: 13576.3/37

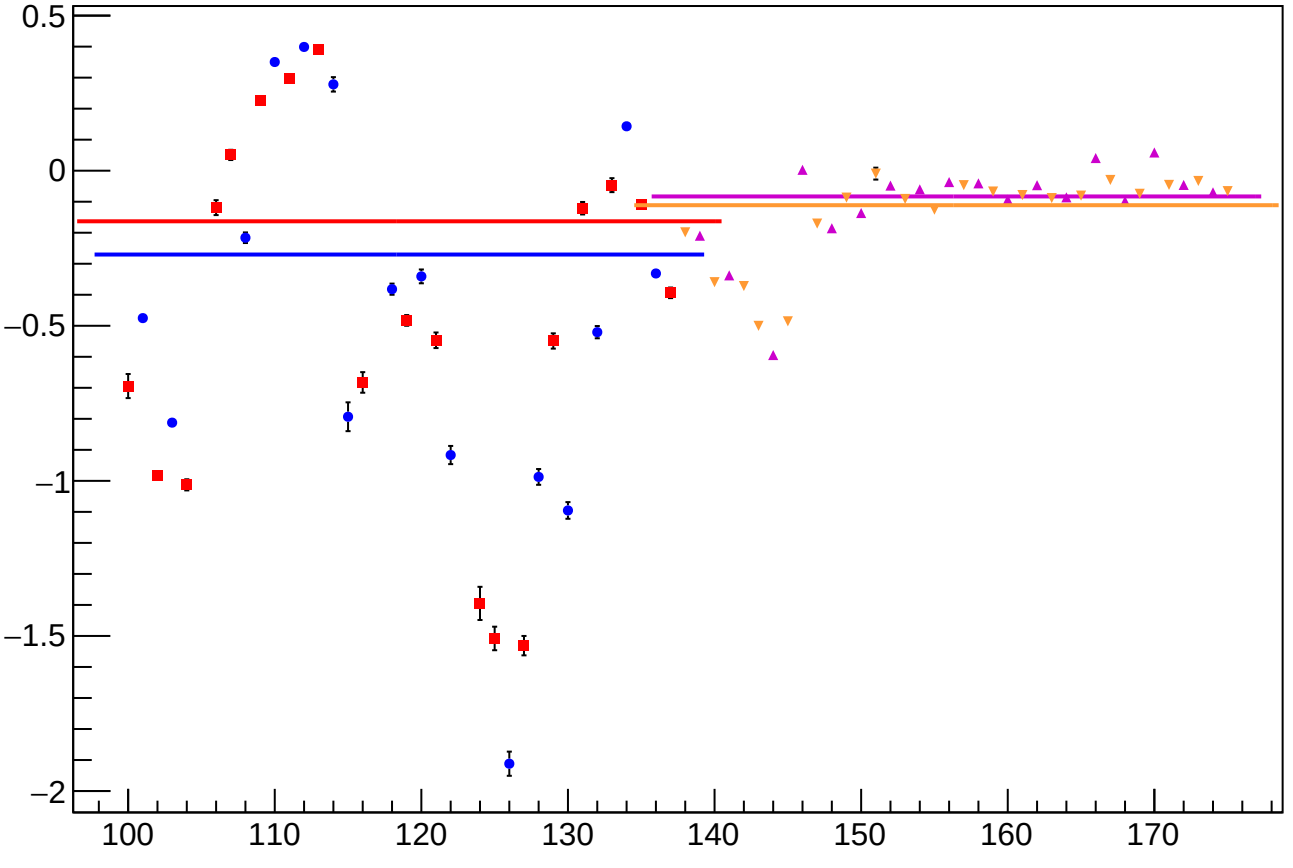
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.330+/-0.035 χ^2/NDF:11393.2/33

Out: -1.408+/-0.036 χ^2/NDF:9207.1/38

All: -1.367+/-0.025 χ^2/NDF: 20602.7/72

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3501.5/19

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.083+/-0.002 χ^2/NDF:3669.8/17

Left: -0.095+/-0.001 χ^2/NDF: 7290.9/37

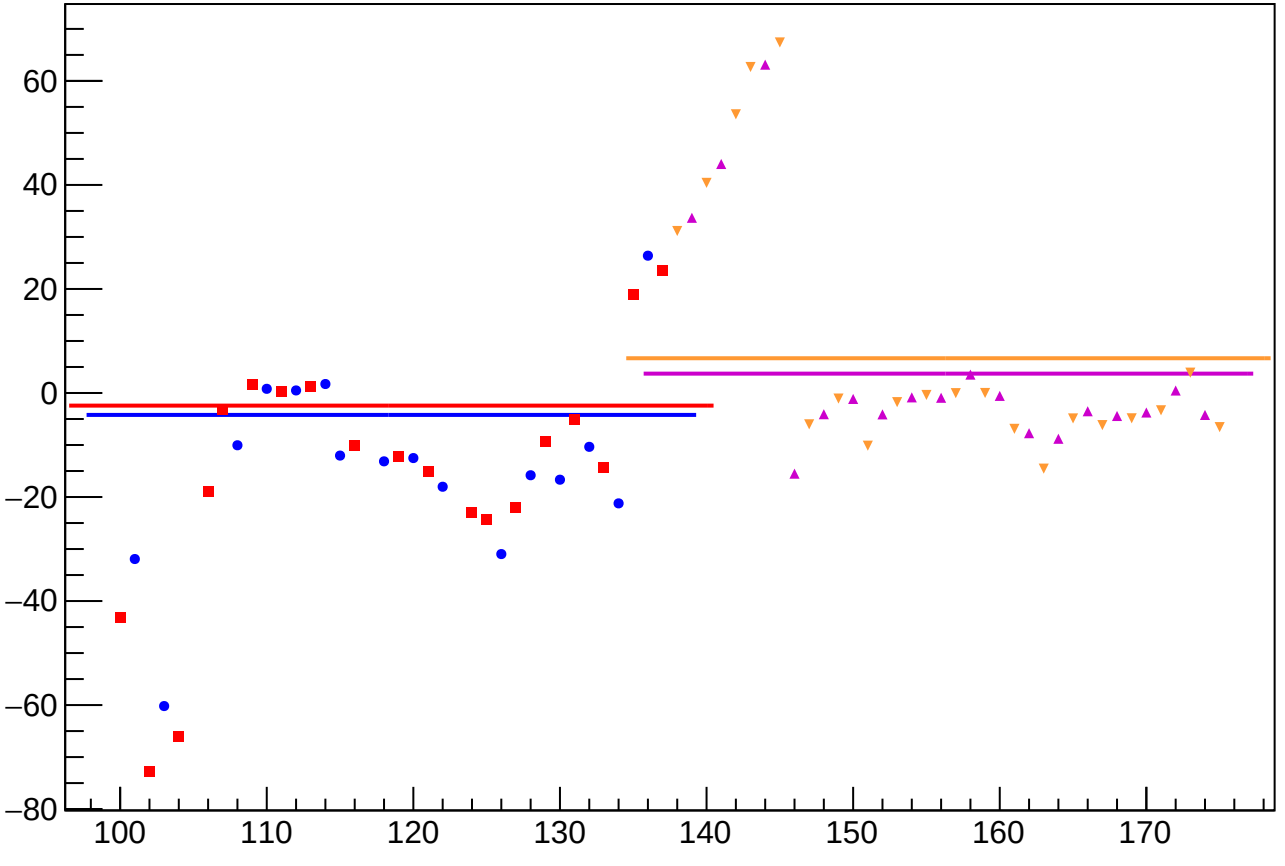
Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.111+/-0.002 χ^2/NDF:17457.0/33

Out: -0.122+/-0.002 χ^2/NDF:19160.9/38

All: -0.116+/-0.001 χ^2/NDF: 36642.0/72

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 6.680+/-0.053 χ^2/NDF:160447.0/19

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 3.721+/-0.050 χ^2/NDF:123148.6/17

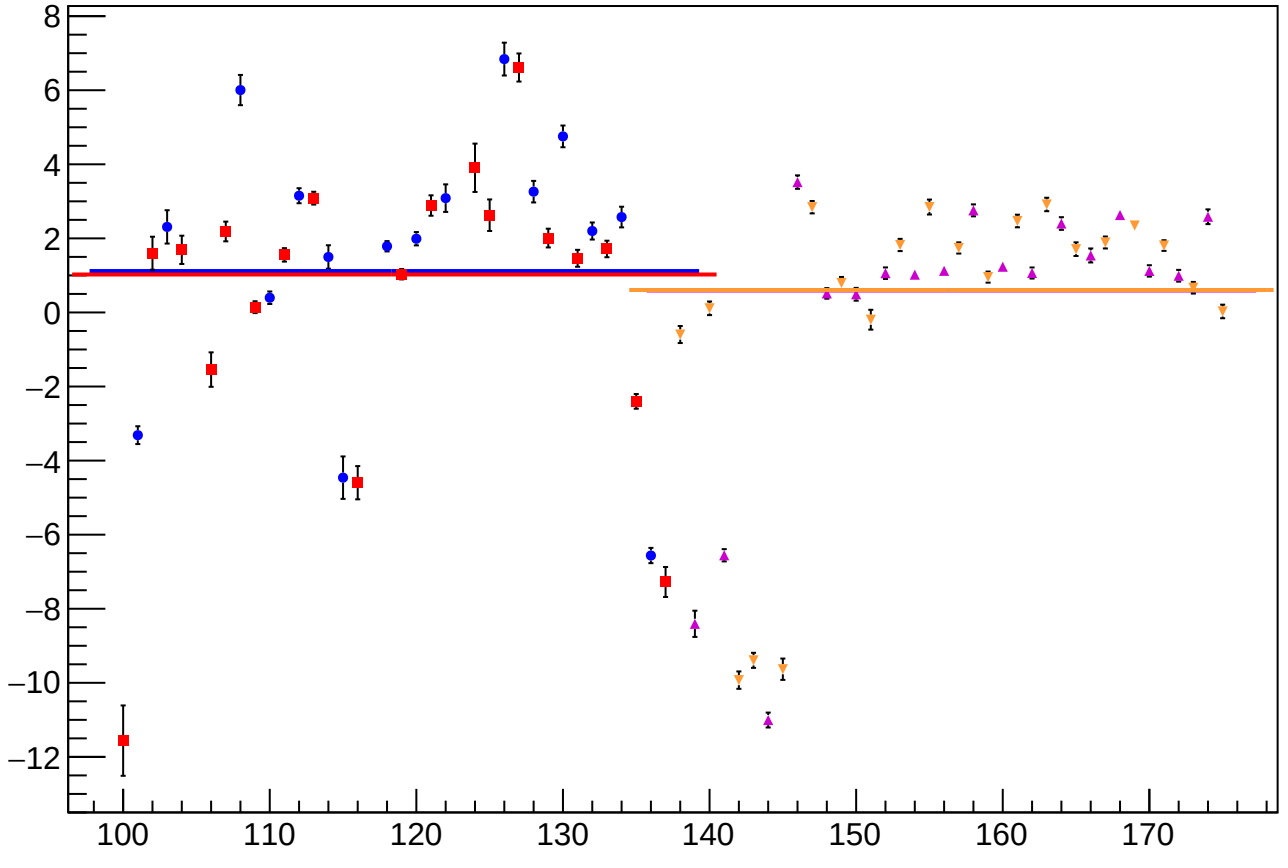
Left: 5.093+/-0.036 χ^2/NDF: 285244.9/37

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.140+/-0.037 χ^2/NDF:209907.6/33

Out: 1.474+/-0.035 χ^2/NDF:257830.8/38

All: 0.841+/-0.025 χ^2/NDF: 468430.8/72



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.606+/-0.039 χ^2/NDF:6772.5/19

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.592+/-0.036 χ^2/NDF:6825.0/17

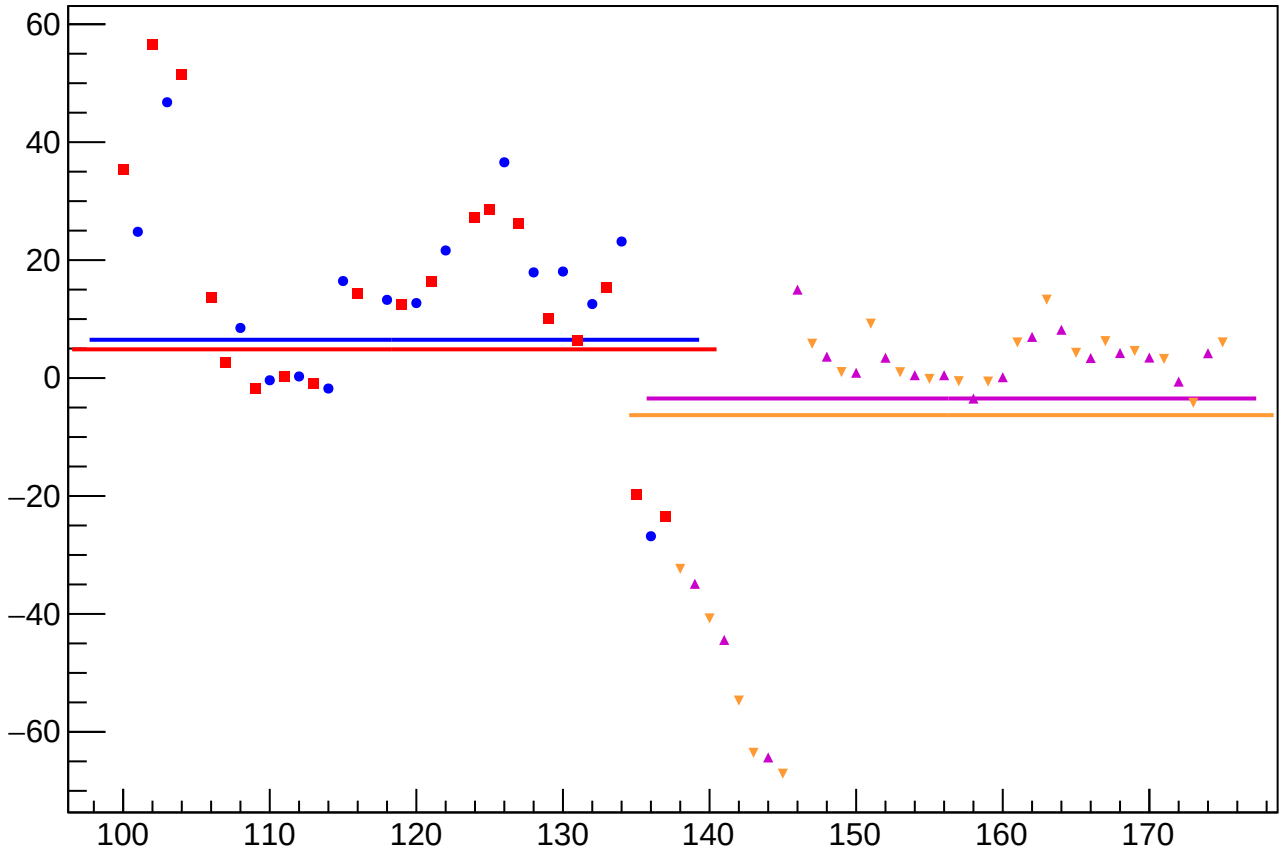
Left: 0.599+/-0.027 χ^2/NDF: 13597.5/37

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.731+/-0.031 χ^2/NDF:9472.4/33

Out: 0.740+/-0.032 χ^2/NDF:8420.8/38

All: 0.735+/-0.022 χ^2/NDF: 17893.3/72



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -6.287+/-0.053 χ^2/NDF:155408.7/19

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -3.466+/-0.048 χ^2/NDF:120388.1/17

Left: -4.758+/-0.036 χ^2/NDF: 277360.8/37

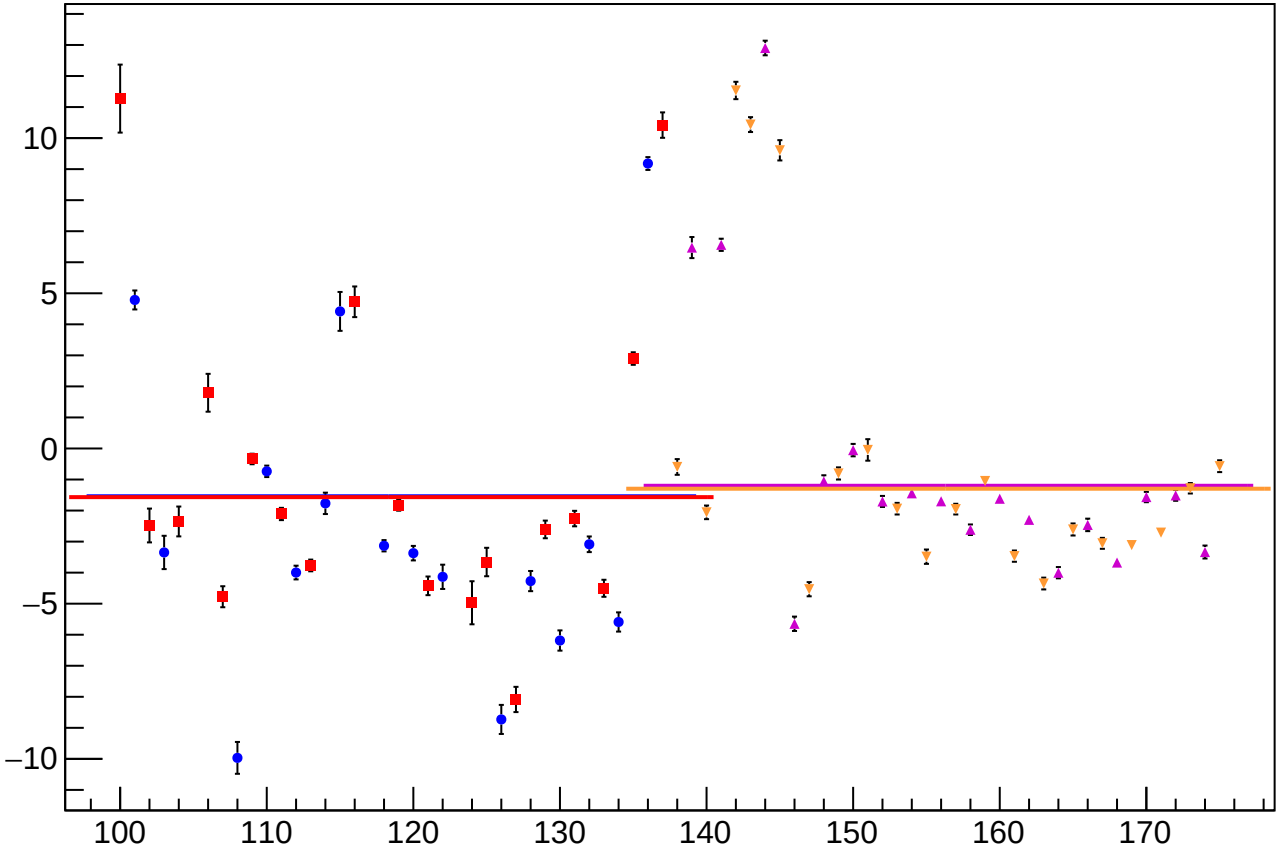
Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.060+/-0.039 χ^2/NDF:206067.8/33

Out: -1.372+/-0.039 χ^2/NDF:250544.6/38

All: -0.647+/-0.028 χ^2/NDF: 457285.0/72

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.296+/-0.044 χ^2/NDF:6747.9/19

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.202+/-0.041 χ^2/NDF:6842.4/17

Left: -1.245+/-0.030 χ^2/NDF: 13592.9/37

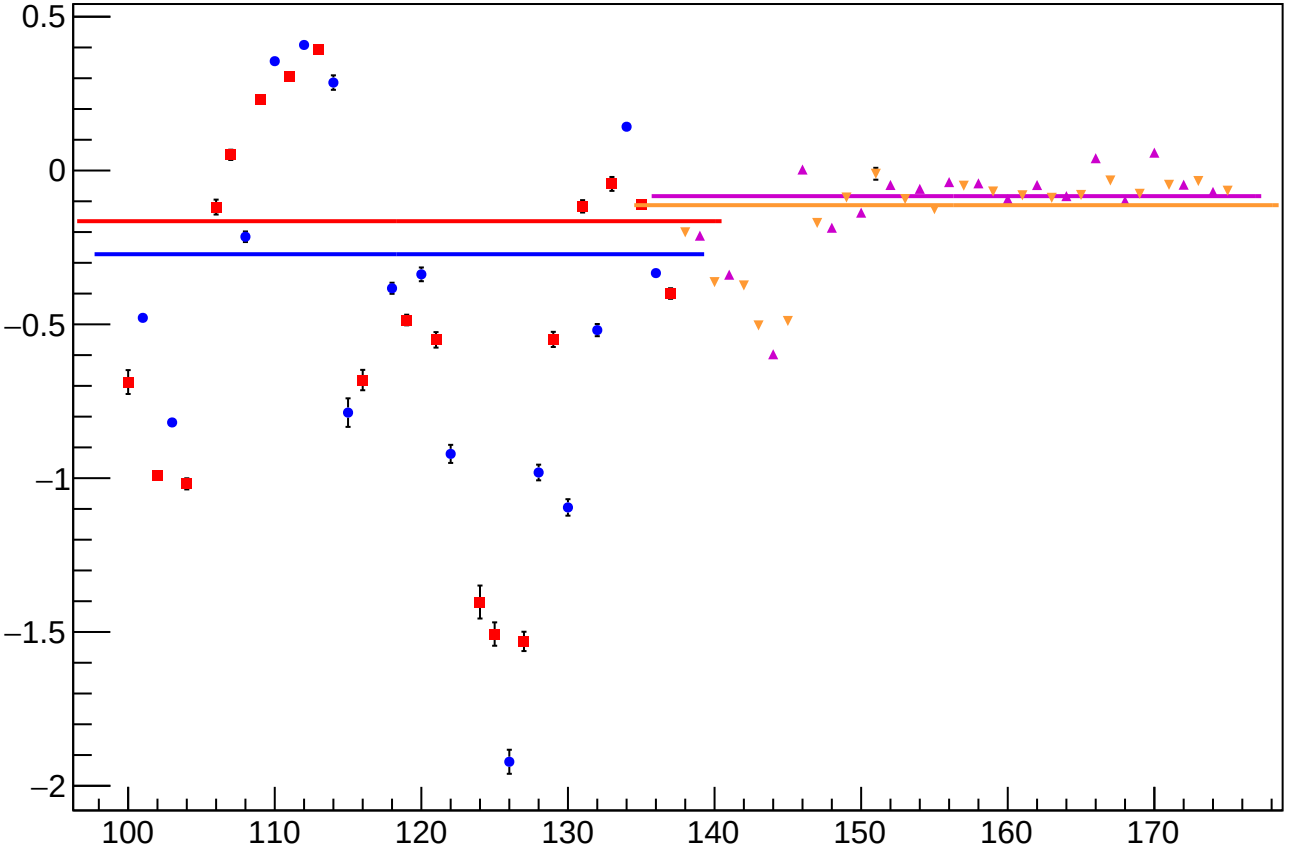
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.288+/-0.035 χ^2/NDF:11396.0/33

Out: -1.383+/-0.036 χ^2/NDF:9256.9/38

All: -1.333+/-0.025 χ^2/NDF: 20656.4/72

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.113+/-0.002 χ^2/NDF:3502.7/19

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.083+/-0.002 χ^2/NDF:3666.6/17

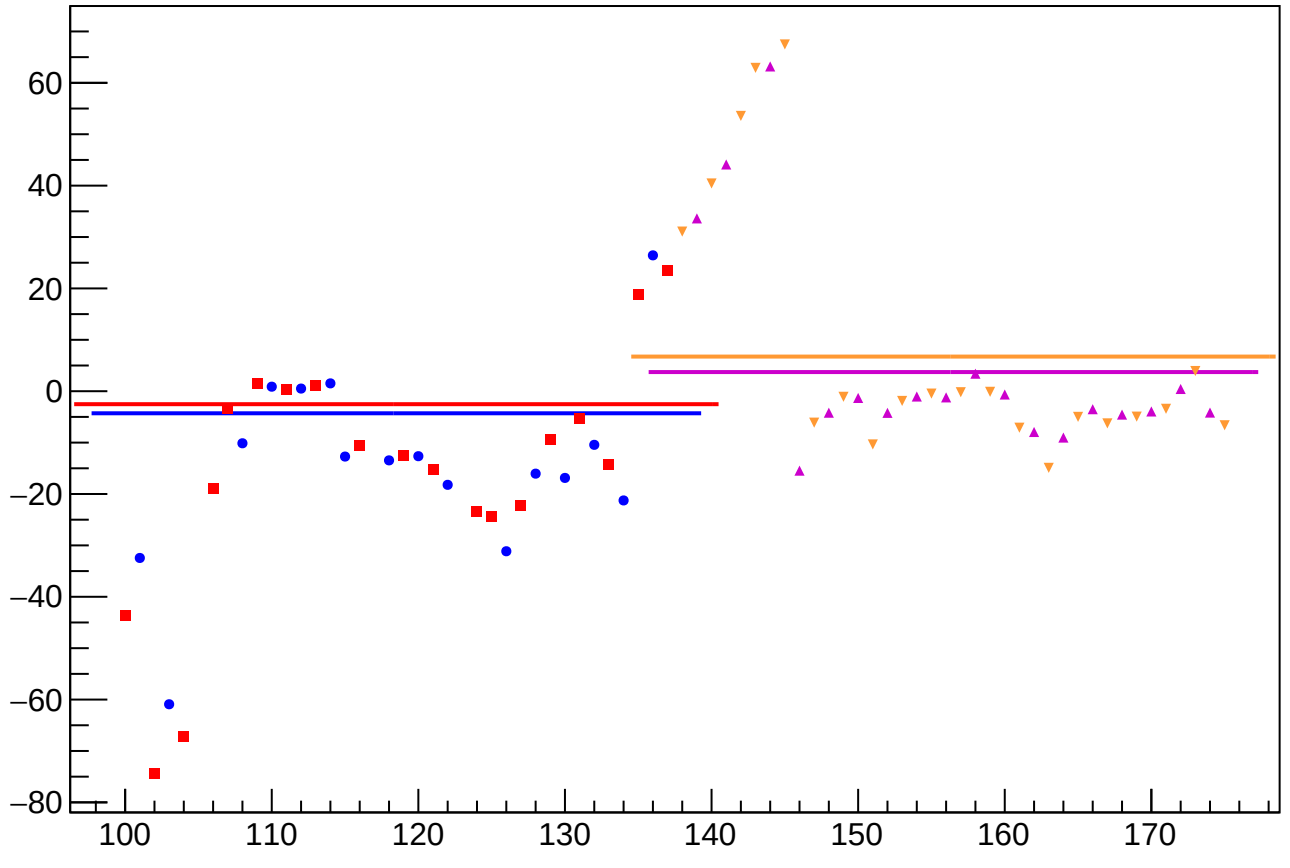
Left: -0.096+/-0.001 χ^2/NDF: 7297.6/37

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.111+/-0.002 χ^2/NDF:17490.5/33

Out: -0.123+/-0.002 χ^2/NDF:19141.9/38

All: -0.117+/-0.001 χ^2/NDF: 36660.7/72



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 6.738+/-0.054 χ^2/NDF:158113.5/19

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 3.724+/-0.051 χ^2/NDF:121172.5/17

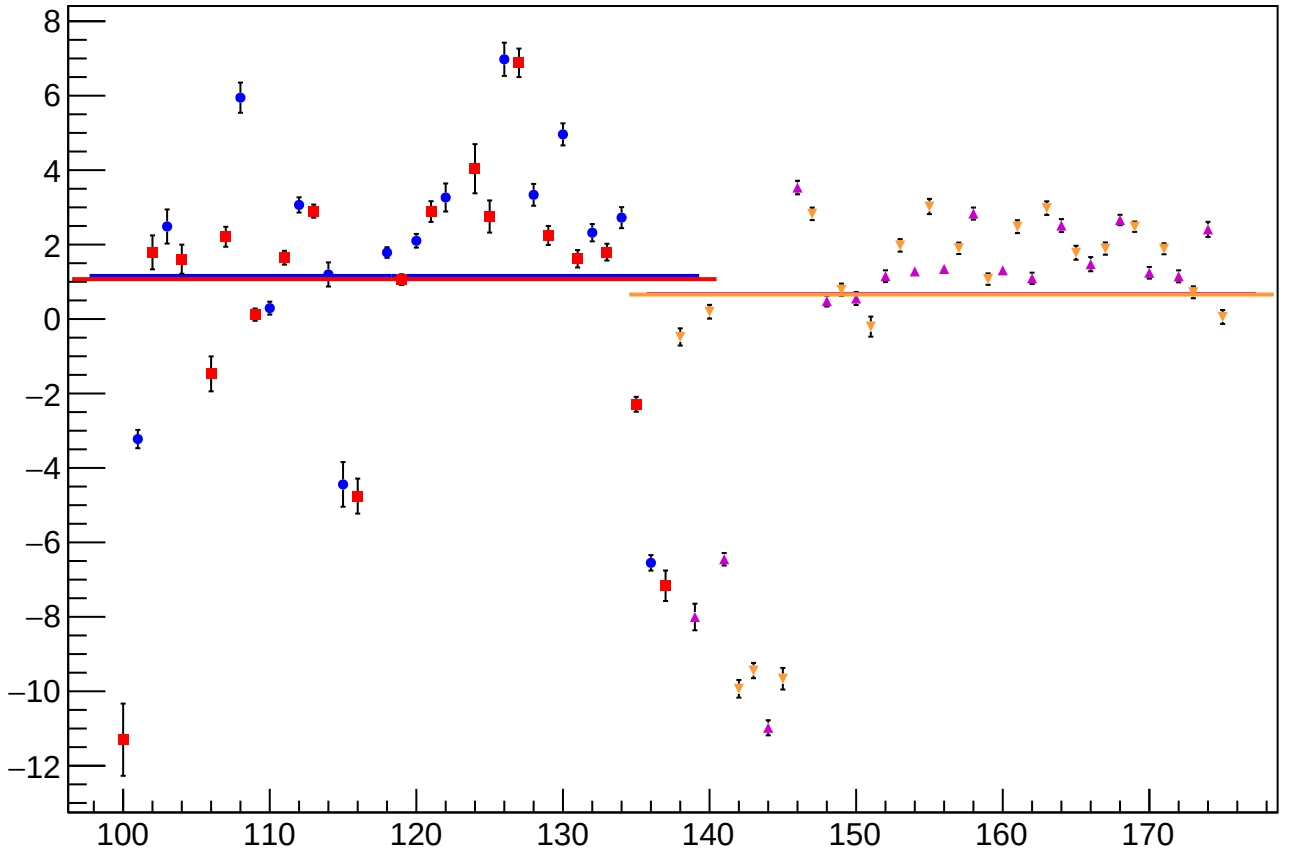
Left: 5.128+/-0.037 χ^2/NDF: 280937.1/37

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.099+/-0.037 χ^2/NDF:206736.8/33

Out: 1.473+/-0.036 χ^2/NDF:254595.3/38

All: 0.821+/-0.026 χ^2/NDF: 462038.4/72



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.658+/-0.040 χ^2/NDF:6754.7/19

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.673+/-0.037 χ^2/NDF:6641.1/17

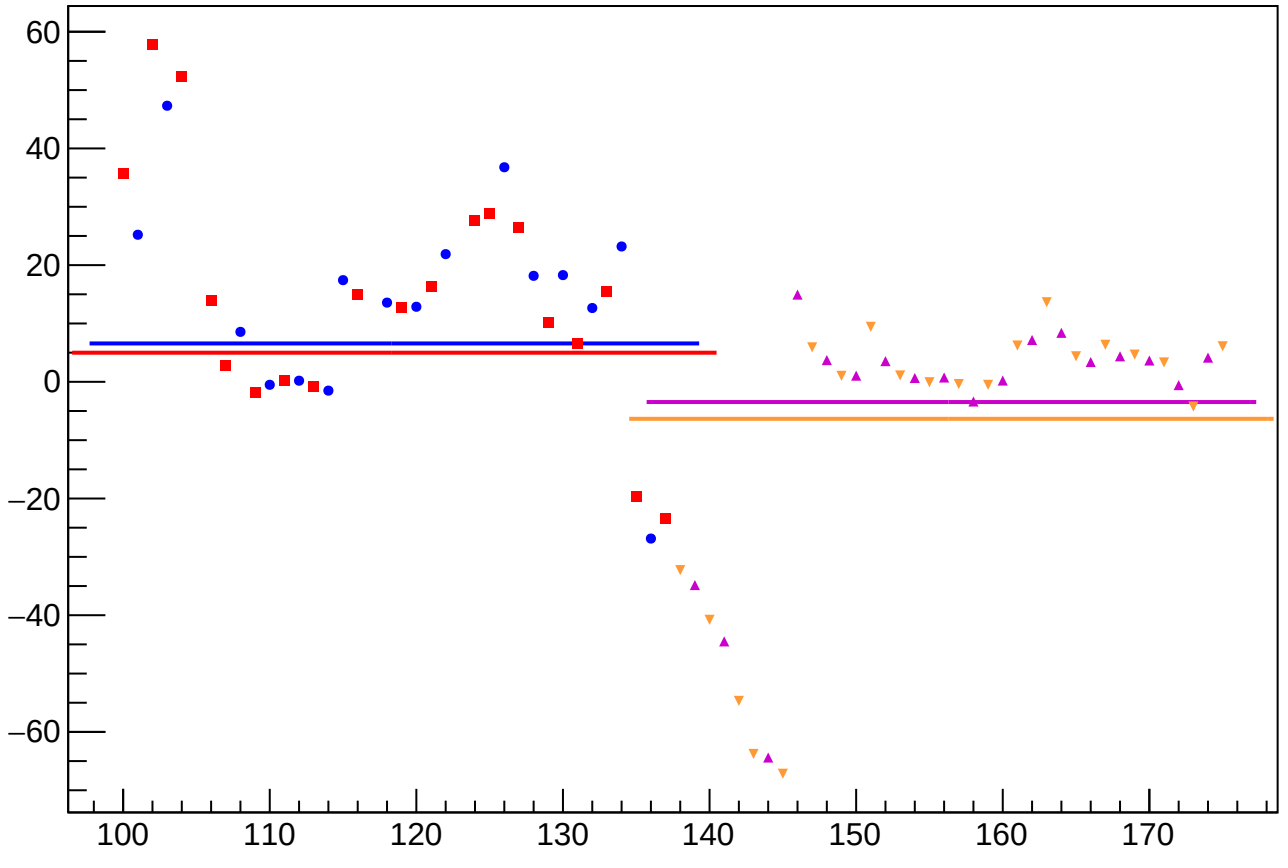
Left: 0.666+/-0.027 χ^2/NDF: 13395.8/37

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.801+/-0.032 χ^2/NDF:9236.8/33

Out: 0.791+/-0.033 χ^2/NDF:8340.3/38

All: 0.796+/-0.023 χ^2/NDF: 17577.1/72



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -6.339+/-0.053 χ^2/NDF:153143.7/19

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -3.463+/-0.049 χ^2/NDF:118443.8/17

Left: -4.787+/-0.036 χ^2/NDF: 273154.4/37

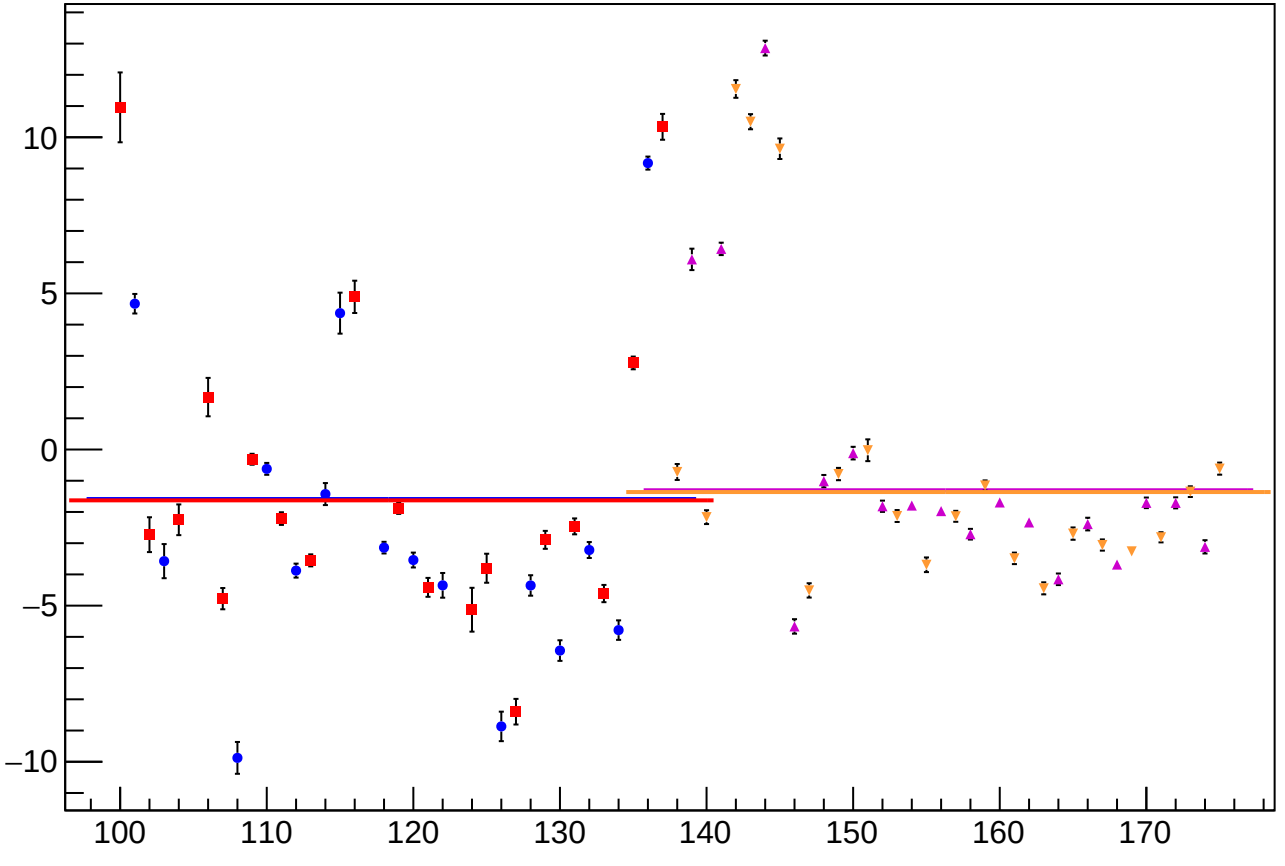
Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.104+/-0.040 χ^2/NDF:202921.0/33

Out: -1.372+/-0.040 χ^2/NDF:247358.1/38

All: -0.626+/-0.028 χ^2/NDF: 450967.2/72

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.362+/-0.045 χ^2/NDF:6726.6/19

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.305+/-0.041 χ^2/NDF:6642.3/17

Left: -1.331+/-0.030 χ^2/NDF: 13369.8/37

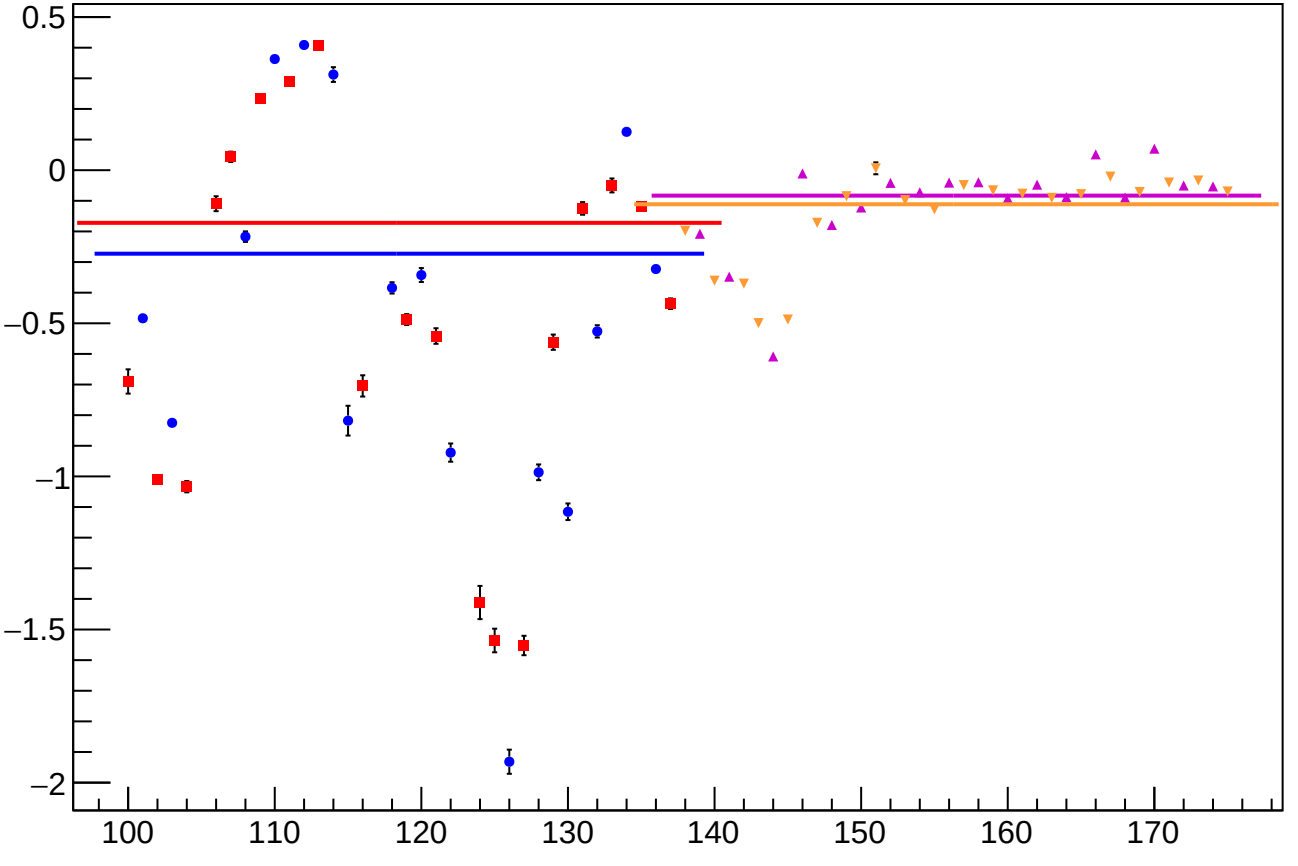
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.377+/-0.036 χ^2/NDF:11126.7/33

Out: -1.446+/-0.037 χ^2/NDF:9160.0/38

All: -1.410+/-0.026 χ^2/NDF: 20288.5/72

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3451.3/19

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.083+/-0.002 χ^2/NDF:3730.7/17

Left: -0.096+/-0.001 χ^2/NDF: 7295.8/37

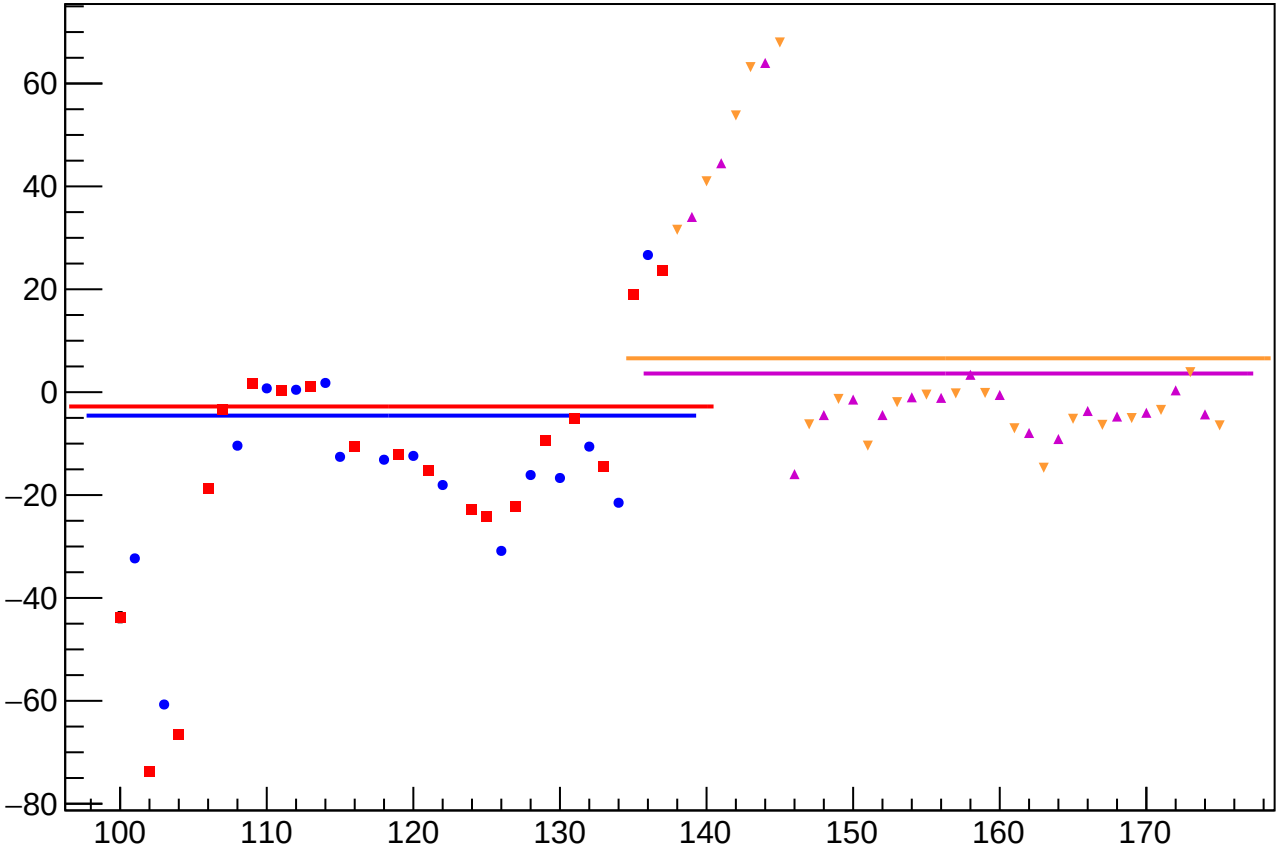
Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.111+/-0.002 χ^2/NDF:17305.1/33

Out: -0.124+/-0.002 χ^2/NDF:18968.7/38

All: -0.117+/-0.001 χ^2/NDF: 36301.8/72

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 6.583+/-0.055 χ^2/NDF:156006.7/19

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 3.627+/-0.051 χ^2/NDF:119944.9/17

Left: 5.008+/-0.037 χ^2/NDF: 277505.8/37

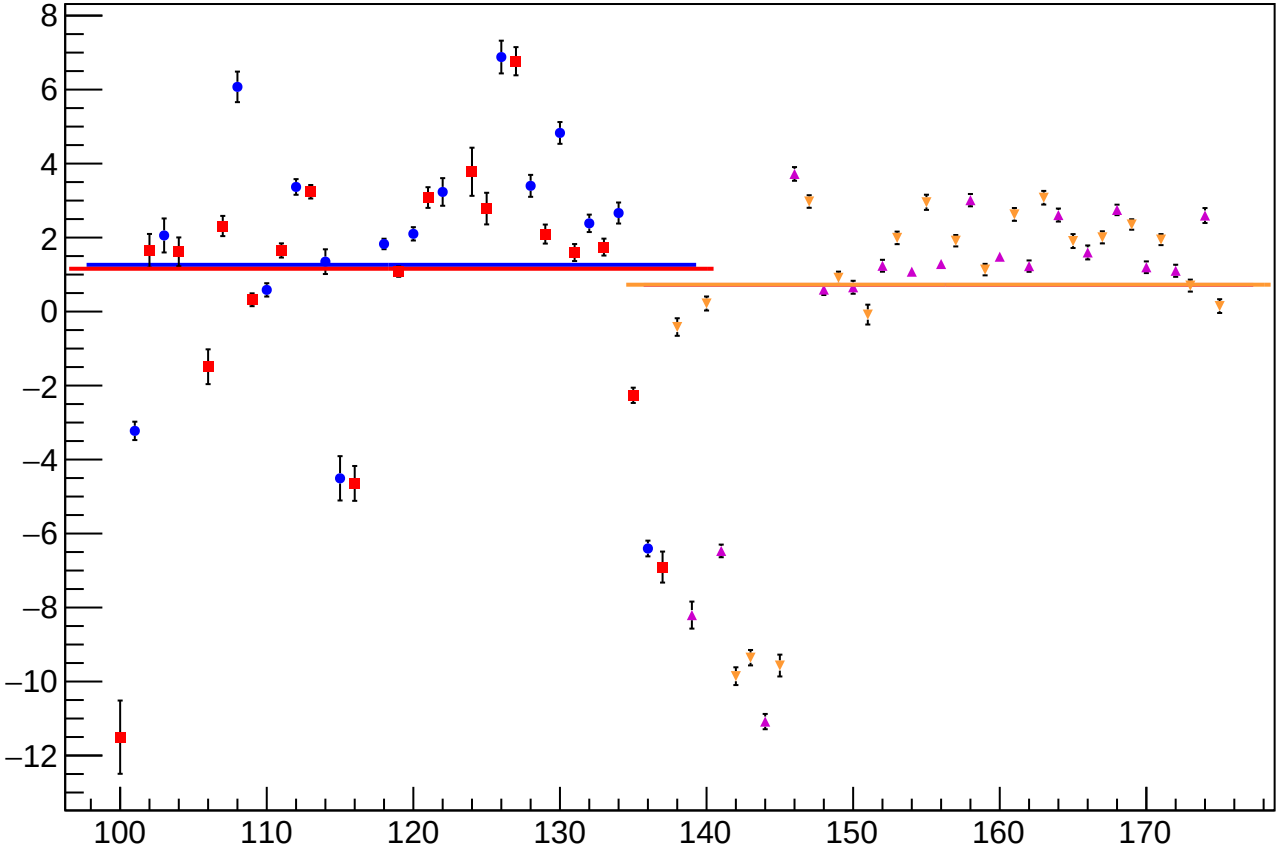
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.046+/-0.038 χ^2/NDF:204022.2/33

Out: 1.340+/-0.036 χ^2/NDF:250304.6/38

All: 0.680+/-0.026 χ^2/NDF: 455021.7/72

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.726+/-0.040 χ^2/NDF:6540.5/19

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.720+/-0.037 χ^2/NDF:6607.6/17

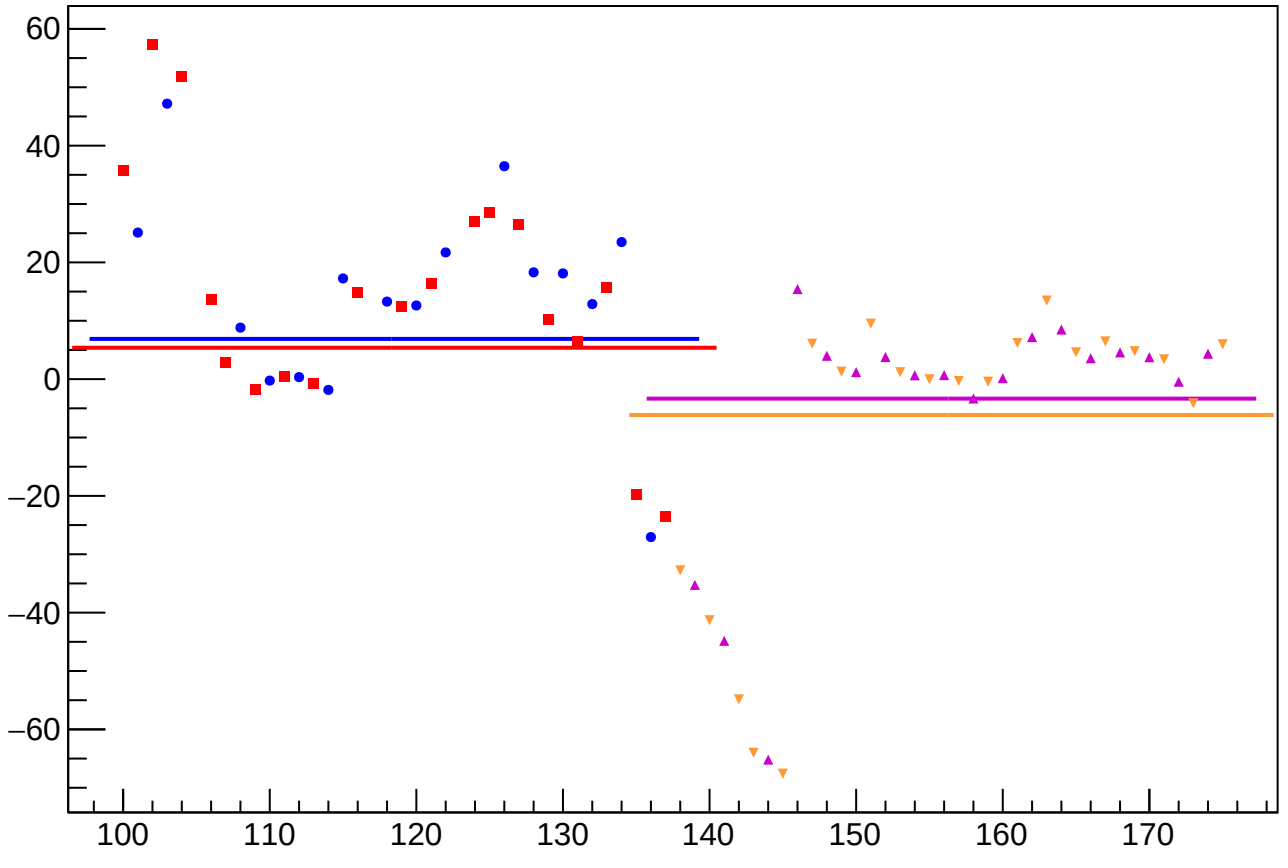
Left: 0.723+/-0.027 χ^2/NDF: 13148.1/37

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.864+/-0.032 χ^2/NDF:9107.8/33

Out: 0.864+/-0.033 χ^2/NDF:8067.2/38

All: 0.864+/-0.023 χ^2/NDF: 17175.0/72



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -6.152+/-0.054 χ^2/NDF:150984.6/19

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -3.338+/-0.050 χ^2/NDF:117193.8/17

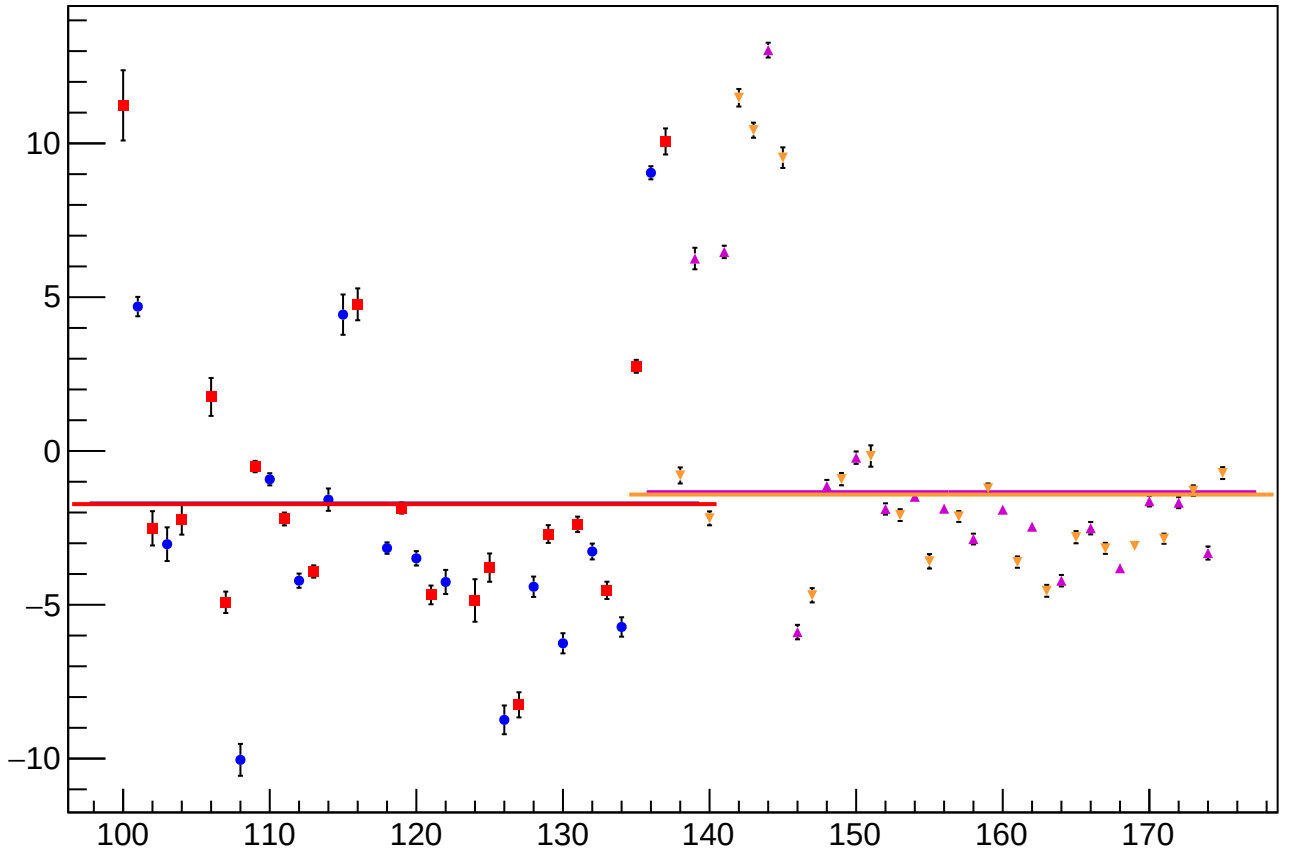
Left: -4.638+/-0.037 χ^2/NDF: 269647.0/37

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

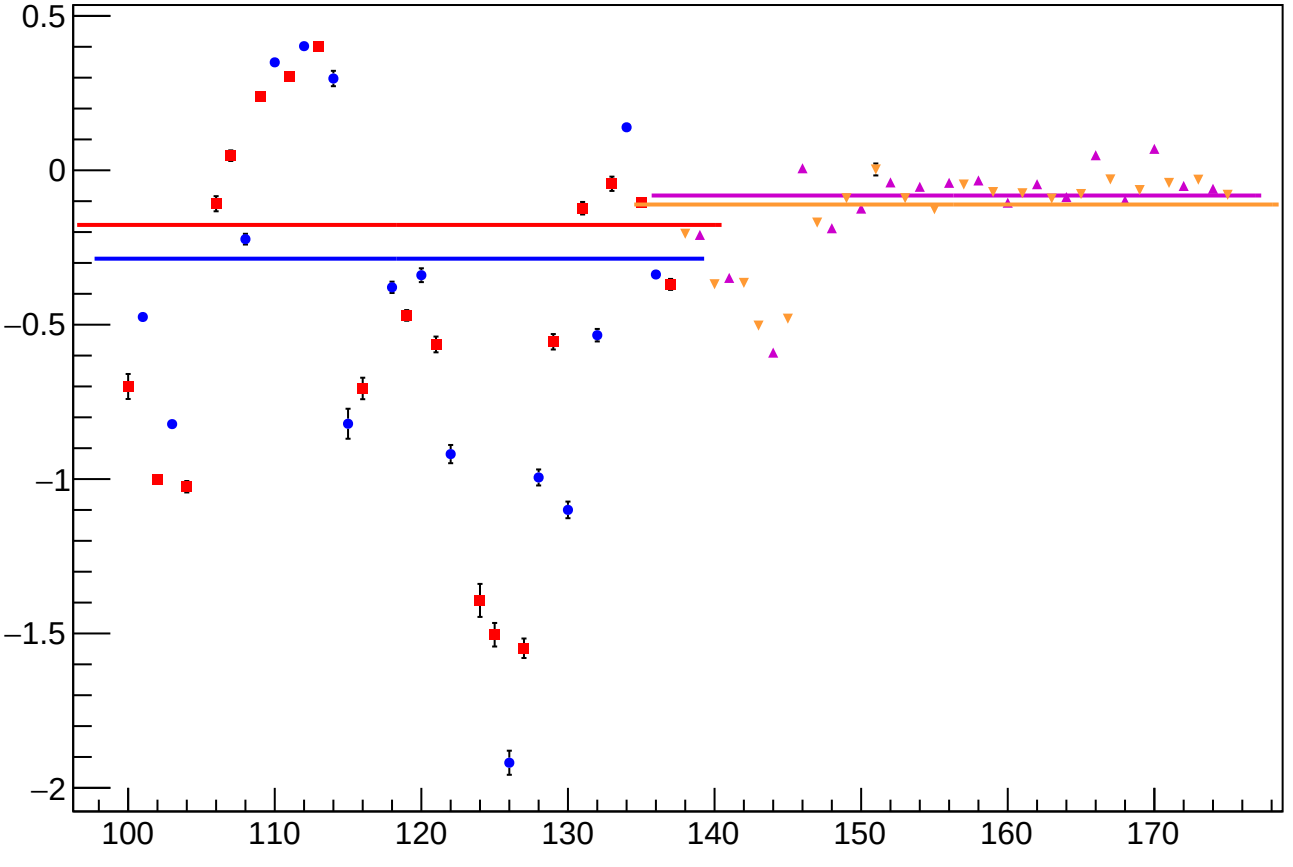
In: 0.290+/-0.040 χ^2/NDF:200135.2/33

Out: -1.162+/-0.041 χ^2/NDF:243045.4/38

All: -0.428+/-0.029 χ^2/NDF: 443827.8/72


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: -1.708+/-0.072 χ²/NDF: 4289.8/15
Left Out: -1.416+/-0.045 χ²/NDF:6524.3/19
Right Out: -1.727+/-0.067 χ²/NDF: 2309.6/18
Left In: -1.340+/-0.042 χ²/NDF:6642.2/17
Left: -1.375+/-0.031 χ²/NDF: 13168.1/37
Right: -1.718+/-0.049 χ²/NDF: 6599.4/34
In: -1.434+/-0.036 χ²/NDF:10951.7/33
Out: -1.514+/-0.038 χ²/NDF:8848.7/38
All: -1.473+/-0.026 χ²/NDF: 19802.8/72

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.111+/-0.002 χ^2/NDF:3377.1/19

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.082+/-0.002 χ^2/NDF:3591.2/17

Left: -0.095+/-0.001 χ^2/NDF: 7087.4/37

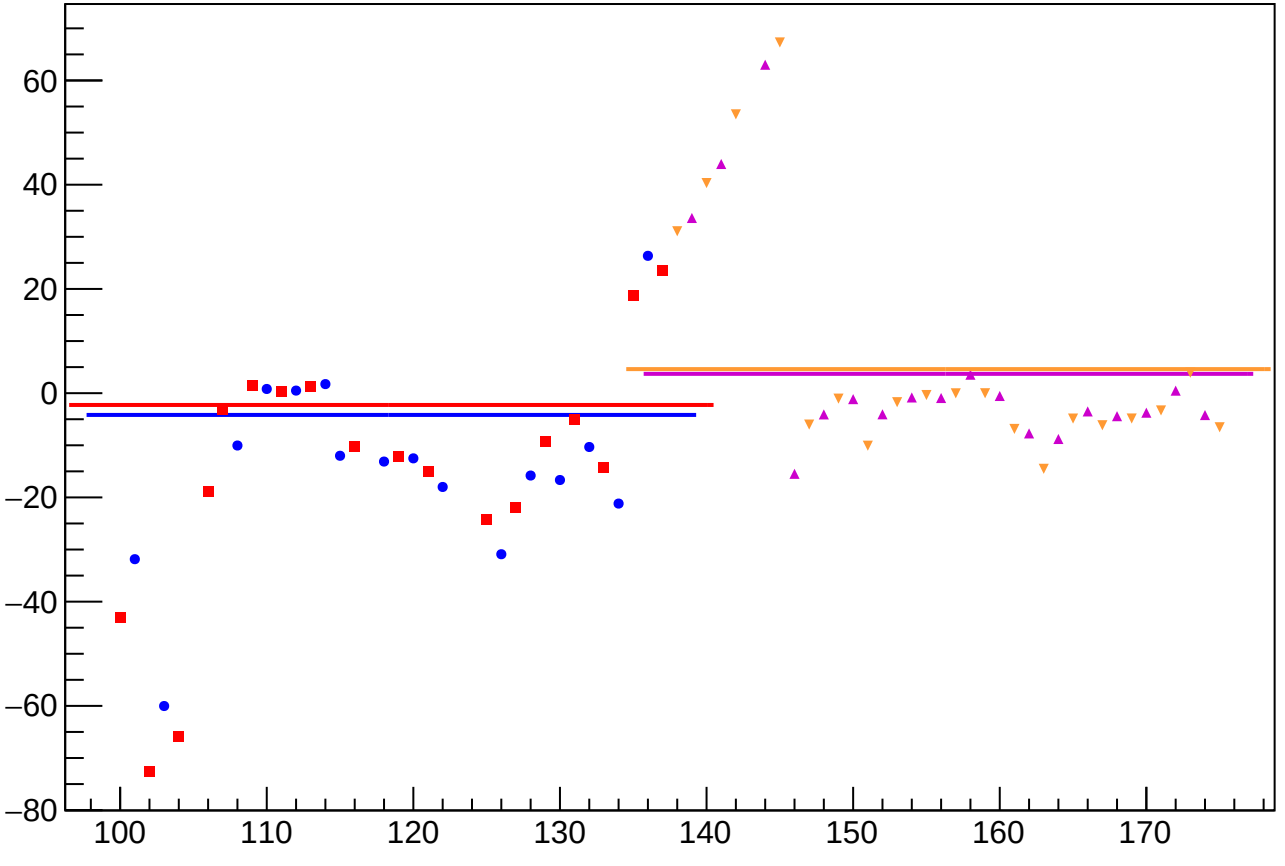
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.112+/-0.002 χ^2/NDF:16898.2/33

Out: -0.124+/-0.002 χ^2/NDF:18368.1/38

All: -0.118+/-0.001 χ^2/NDF: 35292.0/72

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 4.618+/-0.054 χ^2/NDF:120136.0/18

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.709+/-0.049 χ^2/NDF:123388.6/17

Left: 4.122+/-0.037 χ^2/NDF: 243678.3/36

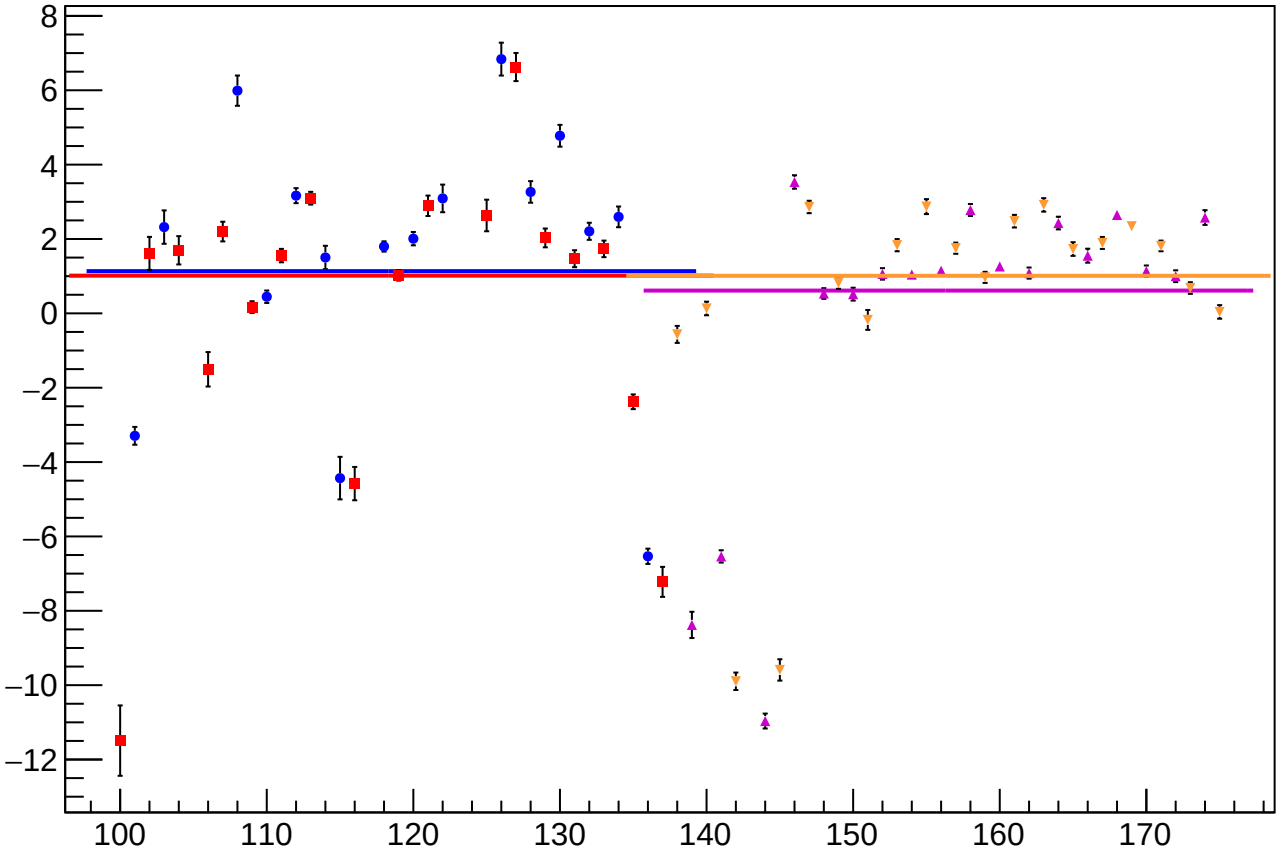
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.148+/-0.037 χ^2/NDF:210271.2/33

Out: 0.625+/-0.035 χ^2/NDF:209128.5/36

All: 0.397+/-0.025 χ^2/NDF: 419488.3/70

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.010+/-0.040 χ^2/NDF:4267.2/18

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.613+/-0.036 χ^2/NDF:6843.9/17

Left: 0.790+/-0.027 χ^2/NDF: 11165.7/36

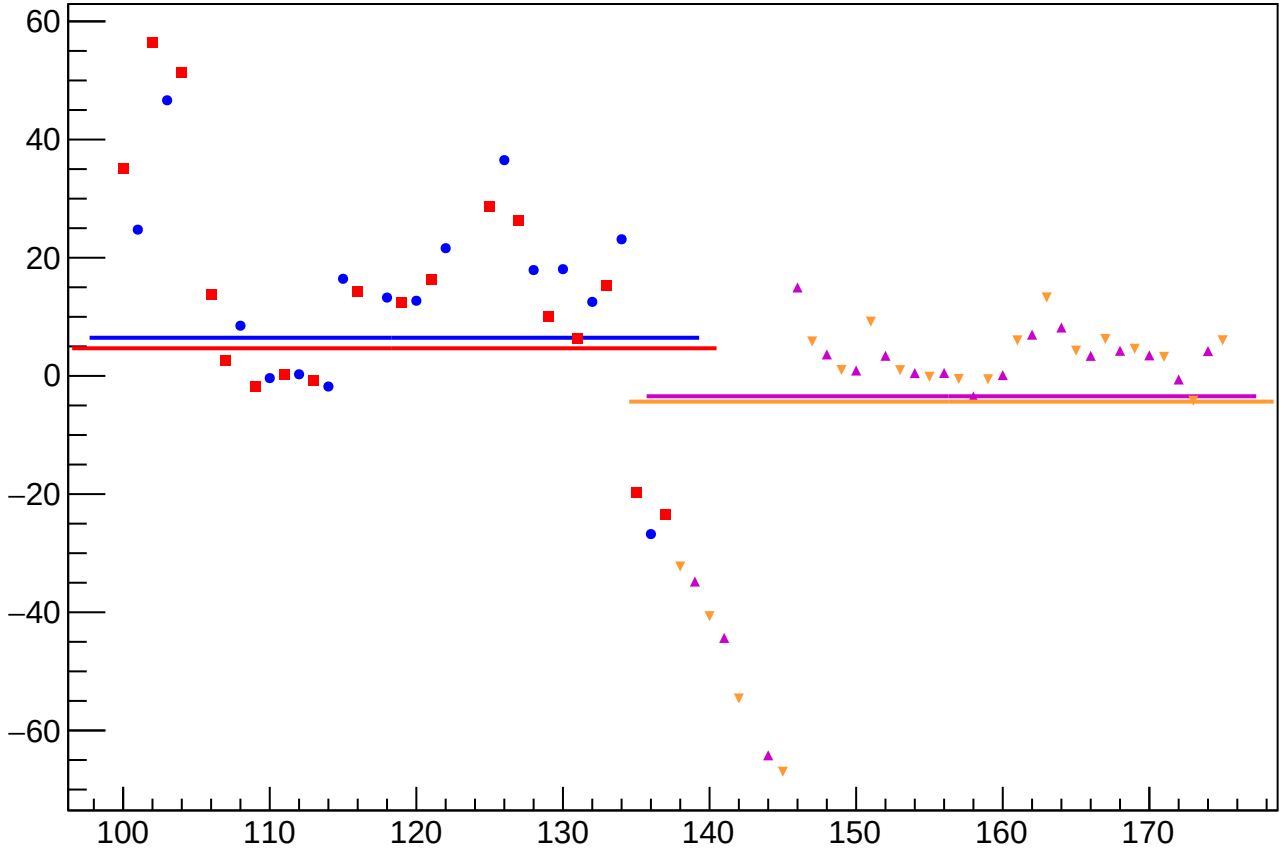
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.750+/-0.031 χ^2/NDF:9495.2/33

Out: 1.011+/-0.033 χ^2/NDF:5860.2/36

All: 0.872+/-0.022 χ^2/NDF: 15389.1/70

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -4.350+/-0.053 χ^2/NDF:115676.6/18

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.443+/-0.048 χ^2/NDF:120615.2/17

Left: -3.850+/-0.036 χ^2/NDF: 236451.6/36

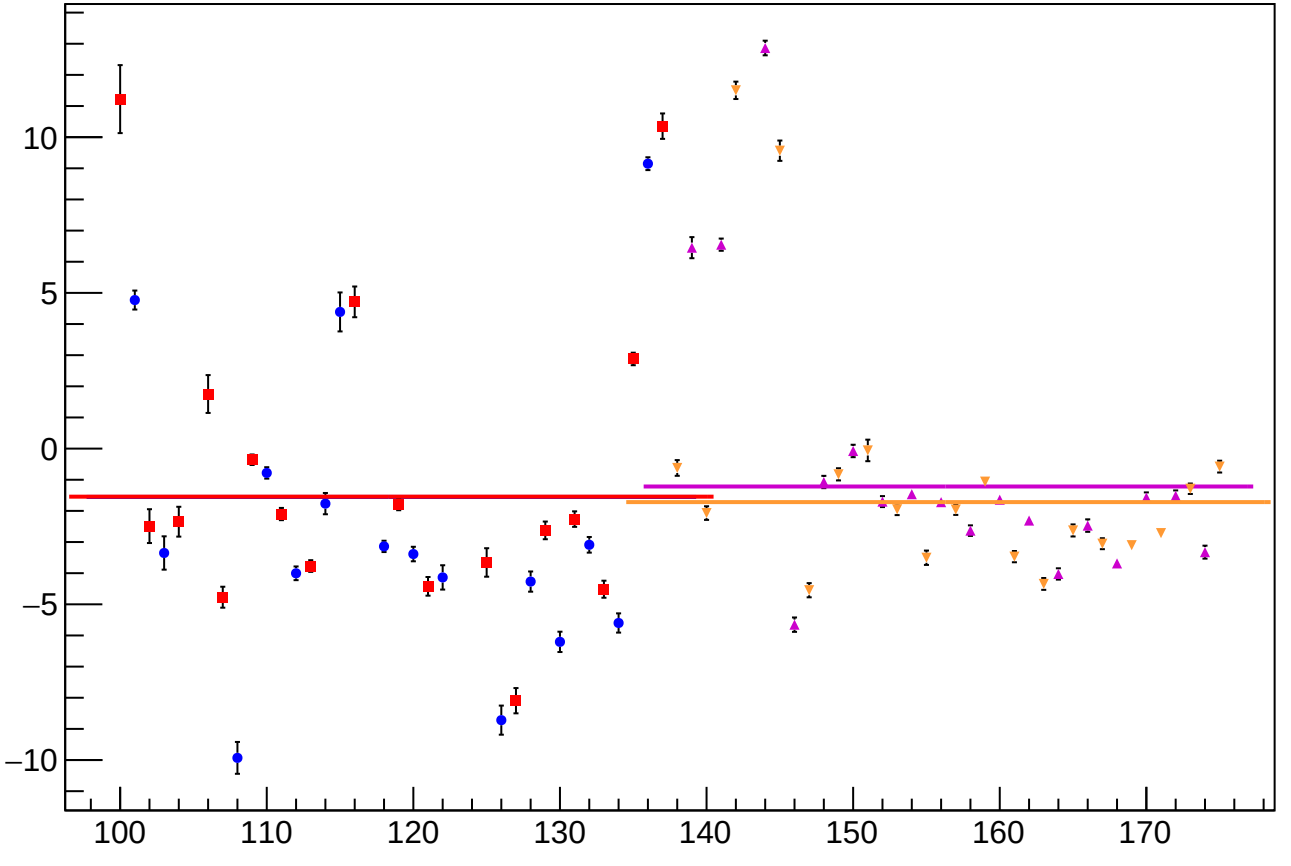
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.063+/-0.039 χ^2/NDF:206411.2/33

Out: -0.306+/-0.040 χ^2/NDF:202973.3/36

All: -0.117+/-0.028 χ^2/NDF: 409429.0/70

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.718+/-0.045 χ^2/NDF:4271.2/18

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.217+/-0.040 χ^2/NDF:6859.8/17

Left: -1.442+/-0.030 χ^2/NDF: 11199.8/36

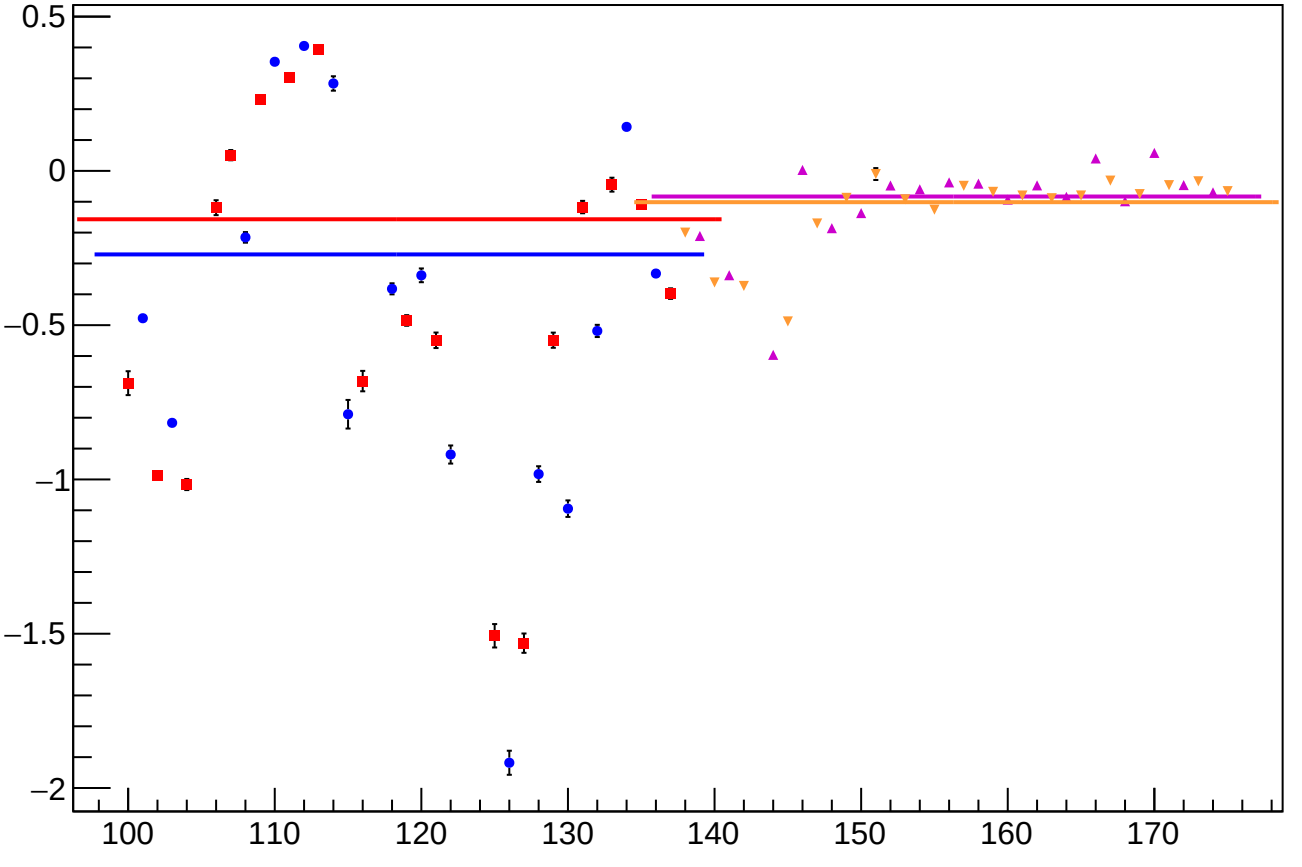
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.302+/-0.035 χ^2/NDF:11420.8/33

Out: -1.661+/-0.037 χ^2/NDF:6749.1/36

All: -1.472+/-0.025 χ^2/NDF: 18219.9/70

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.101+/-0.002 χ^2/NDF:2393.9/18

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3676.0/17

Left: -0.091+/-0.001 χ^2/NDF: 6119.6/36

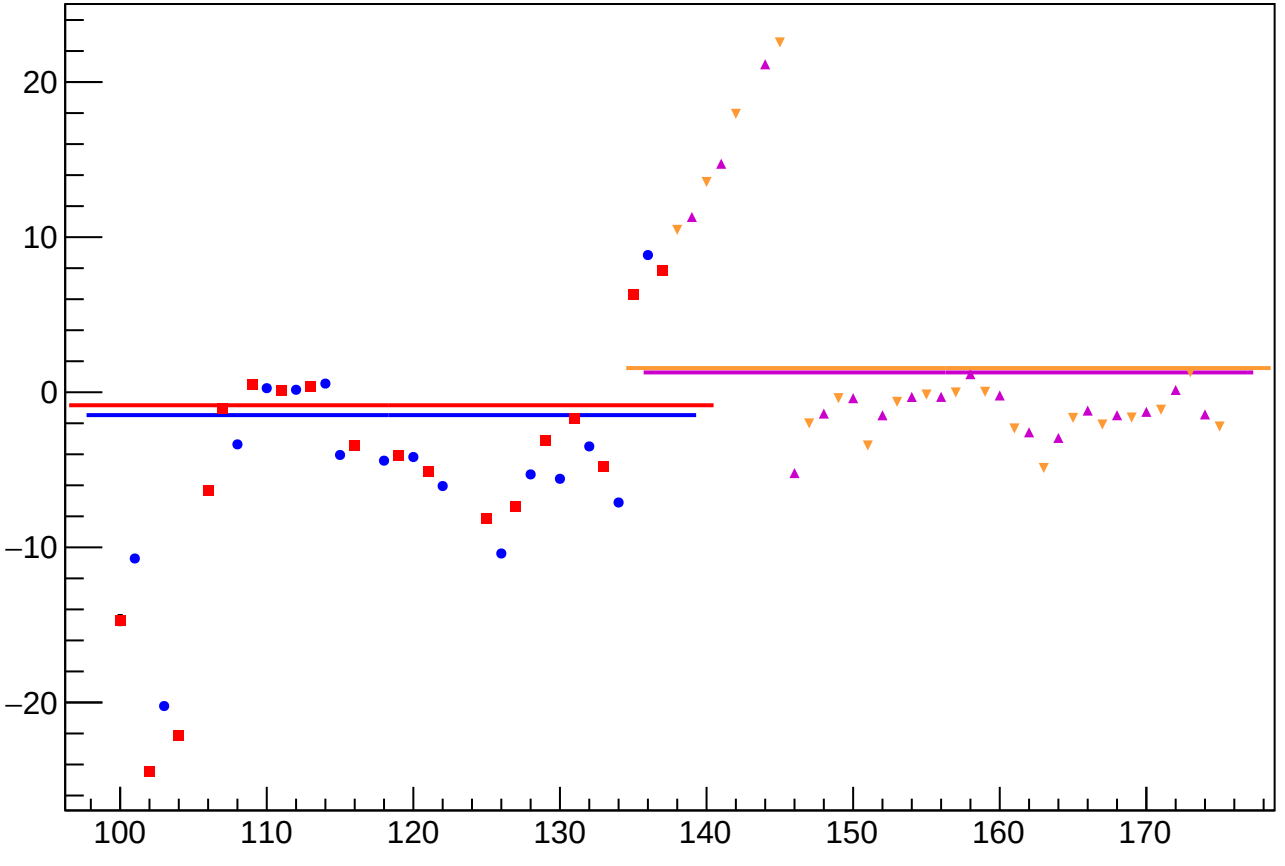
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.111+/-0.002 χ^2/NDF:17524.8/33

Out: -0.113+/-0.002 χ^2/NDF:17581.2/36

All: -0.112+/-0.001 χ^2/NDF: 35107.1/70

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.560+/-0.018 χ^2/NDF:118116.0/18

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.279+/-0.017 χ^2/NDF:120824.3/17

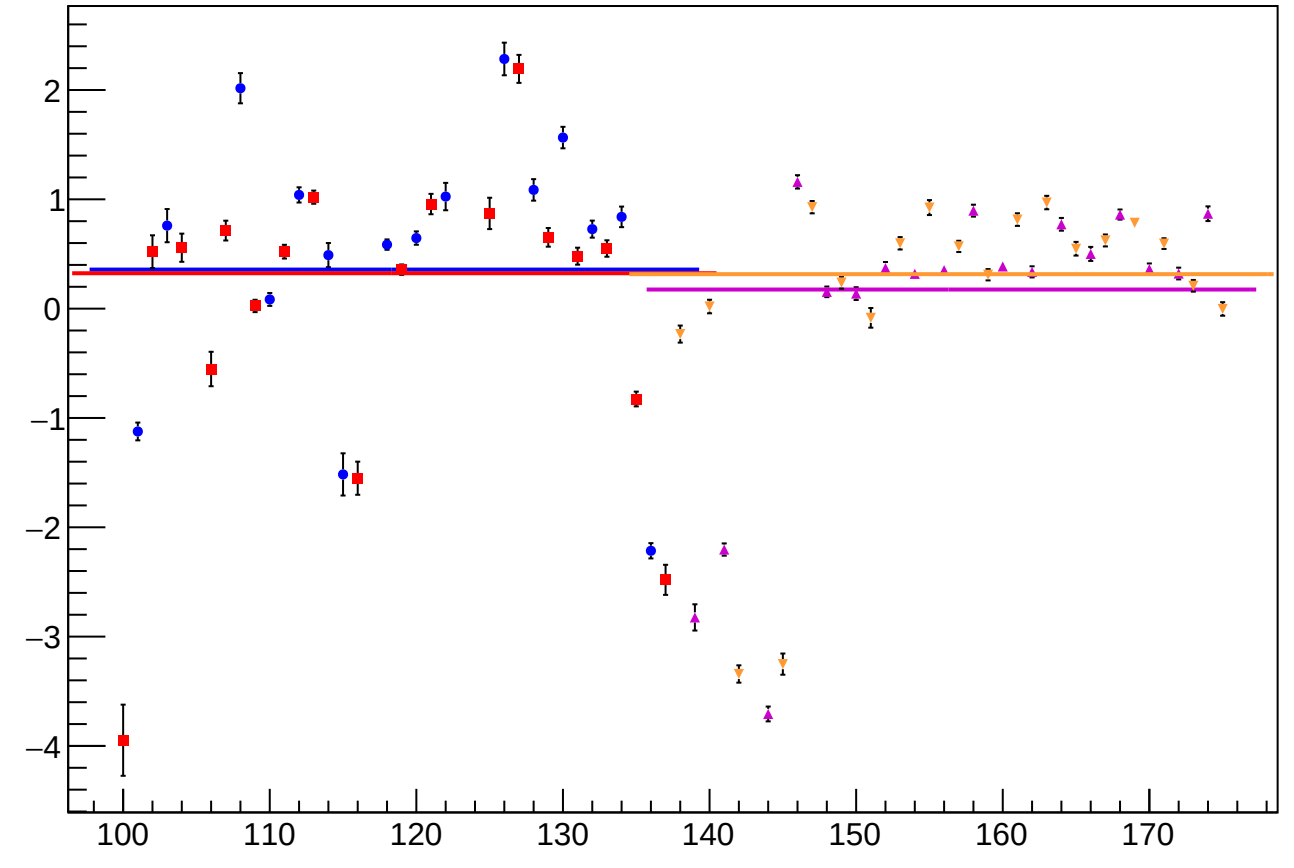
Left: 1.407+/-0.012 χ^2/NDF: 239066.3/36

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.039+/-0.013 χ^2/NDF:206405.6/33

Out: 0.193+/-0.012 χ^2/NDF:205753.4/36

All: 0.119+/-0.009 χ^2/NDF: 412236.7/70



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.315+/-0.014 χ^2/NDF:4223.7/18

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.175+/-0.012 χ^2/NDF:6686.5/17

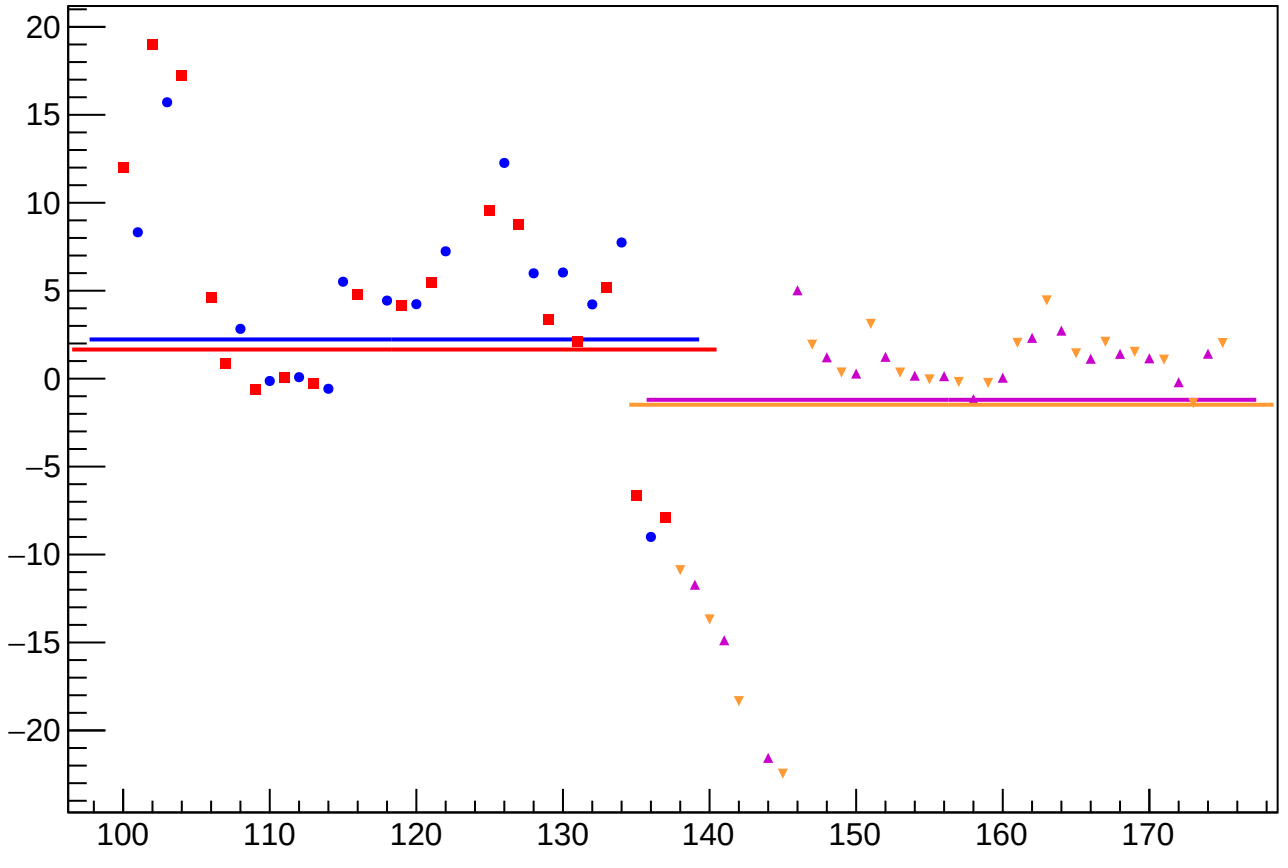
Left: 0.238+/-0.009 χ^2/NDF: 10968.4/36

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.223+/-0.011 χ^2/NDF:9287.2/33

Out: 0.318+/-0.011 χ^2/NDF:5782.7/36

All: 0.268+/-0.008 χ^2/NDF: 15107.9/70



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.484+/-0.018 χ^2/NDF:113739.8/18

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.202+/-0.017 χ^2/NDF:118157.3/17

Left: -1.330+/-0.012 χ^2/NDF: 232028.5/36

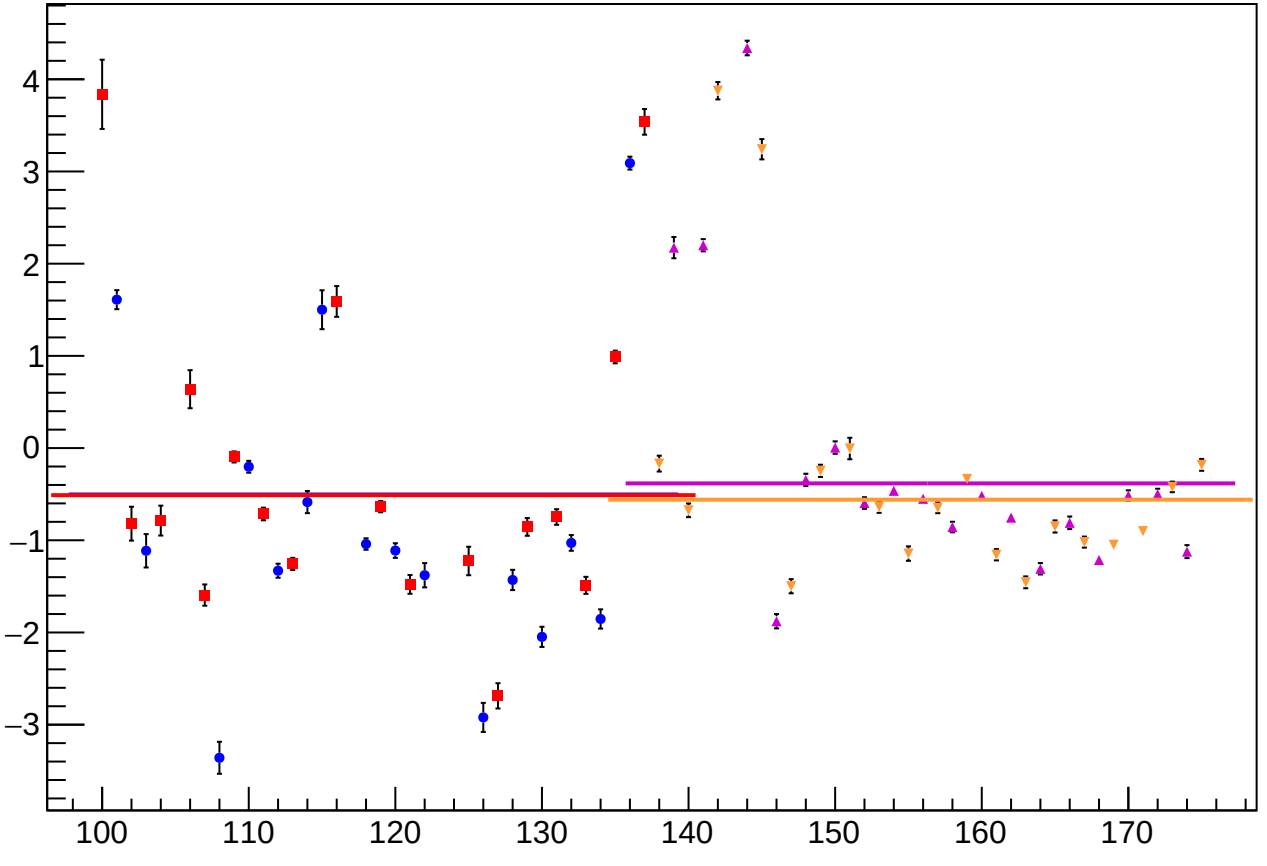
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.017+/-0.013 χ^2/NDF:202671.2/33

Out: -0.100+/-0.014 χ^2/NDF:199730.1/36

All: -0.040+/-0.009 χ^2/NDF: 402438.8/70

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.560+/-0.015 χ^2/NDF:4230.2/18

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.383+/-0.014 χ^2/NDF:6709.5/17

Left: -0.463+/-0.010 χ^2/NDF: 11012.7/36

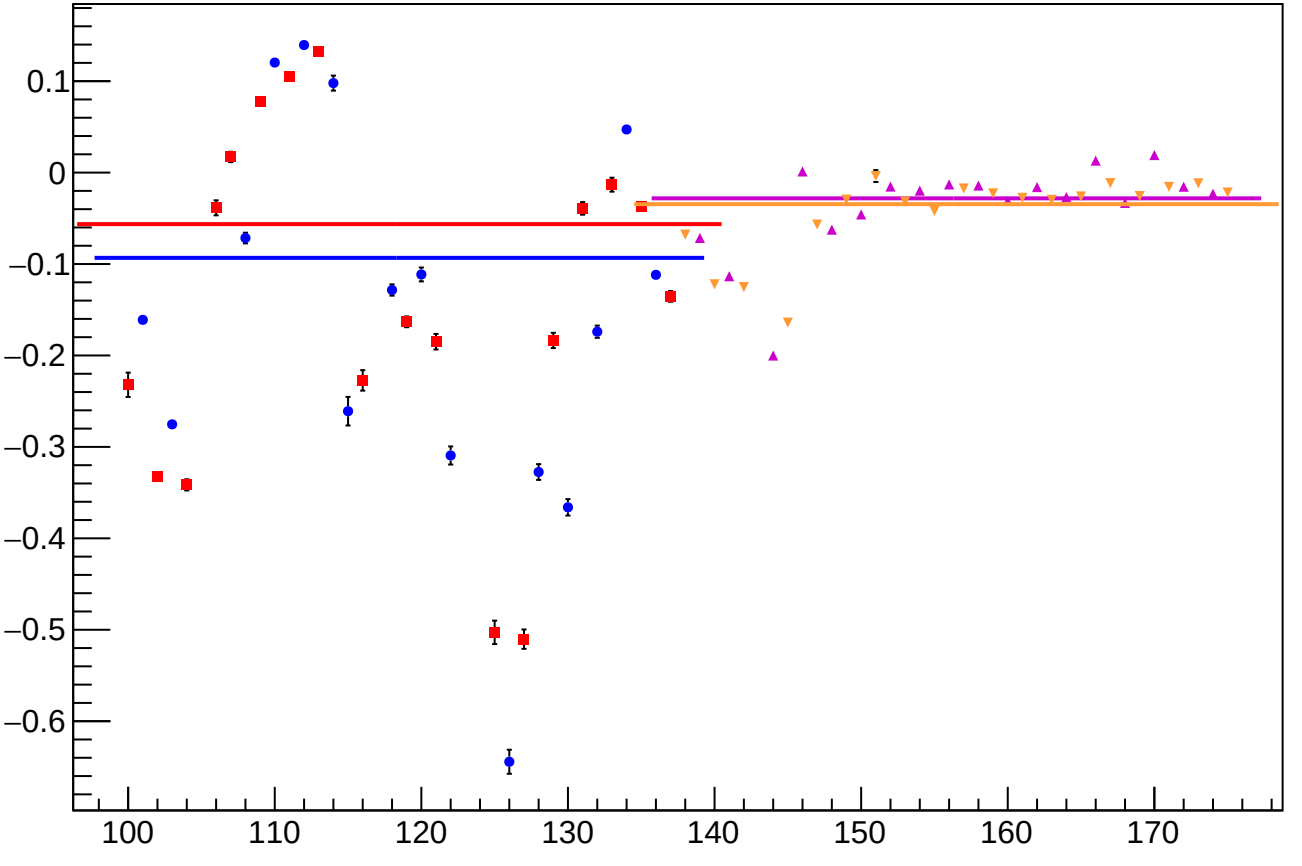
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.414+/-0.012 χ^2/NDF:11175.9/33

Out: -0.544+/-0.013 χ^2/NDF:6657.5/36

All: -0.476+/-0.009 χ^2/NDF: 17889.3/70

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.035+/-0.001 χ^2/NDF:2348.9/18

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.028+/-0.001 χ^2/NDF:3591.7/17

Left: -0.031+/-0.000 χ^2/NDF: 5991.6/36

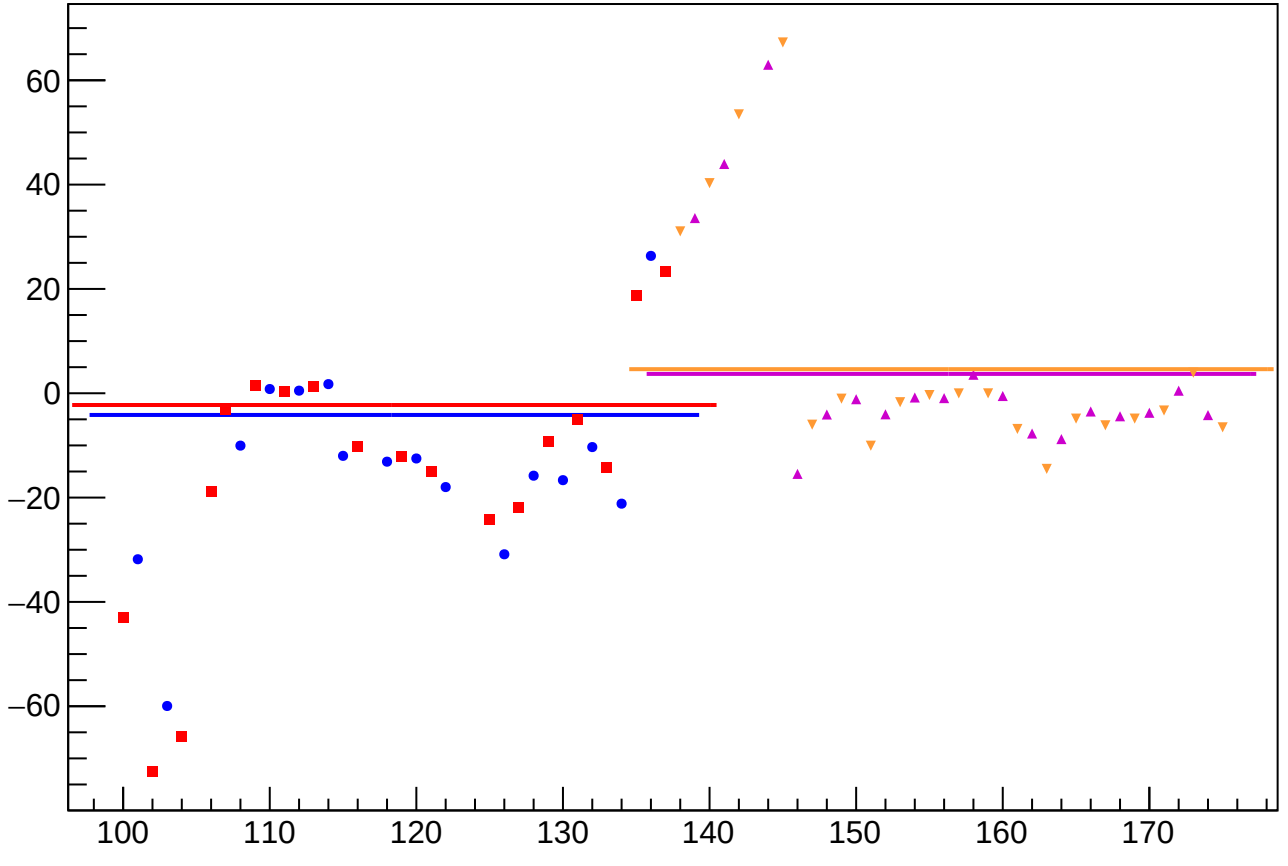
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.038+/-0.001 χ^2/NDF:17137.1/33

Out: -0.039+/-0.001 χ^2/NDF:17027.5/36

All: -0.038+/-0.000 χ^2/NDF: 34167.0/70

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 4.618+/-0.054 χ^2/NDF:120120.3/18

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.709+/-0.049 χ^2/NDF:123402.5/17

Left: 4.122+/-0.036 χ^2/NDF: 243677.0/36

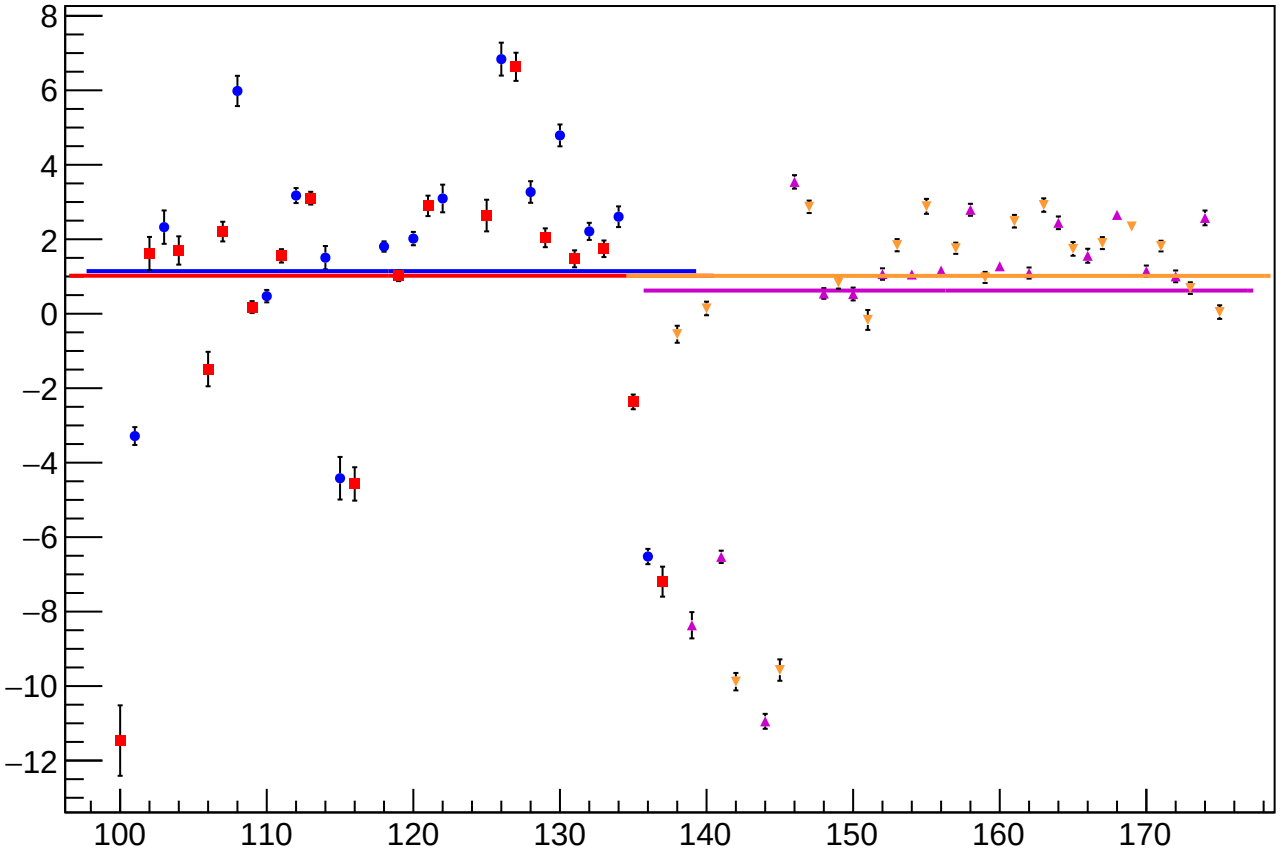
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.152+/-0.037 χ^2/NDF:210294.7/33

Out: 0.629+/-0.035 χ^2/NDF:209122.2/36

All: 0.401+/-0.025 χ^2/NDF: 419505.4/70

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.017+/-0.040 χ^2/NDF:4264.7/18

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.622+/-0.036 χ^2/NDF:6848.0/17

Left: 0.798+/-0.027 χ^2/NDF: 11166.6/36

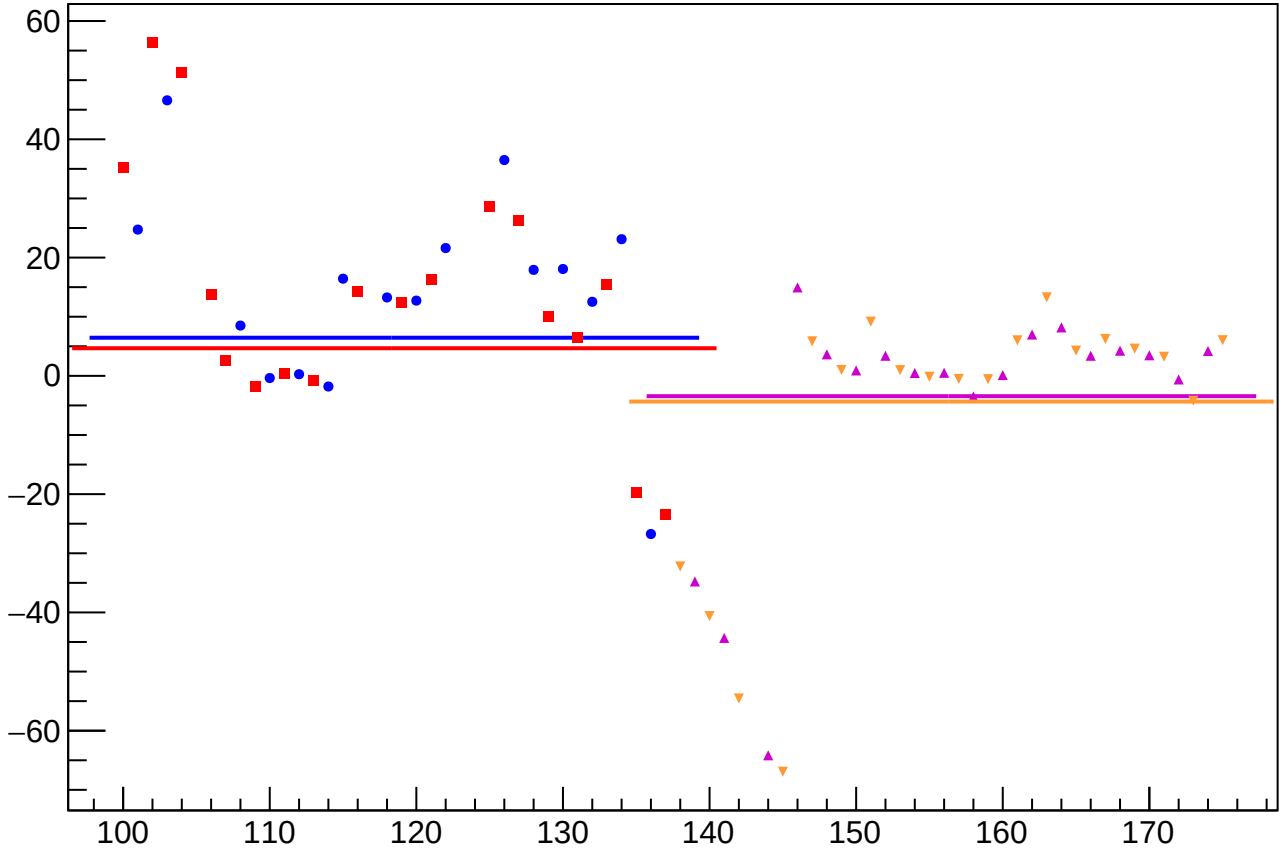
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.759+/-0.031 χ^2/NDF:9498.9/33

Out: 1.018+/-0.033 χ^2/NDF:5855.9/36

All: 0.881+/-0.022 χ^2/NDF: 15387.8/70

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -4.345+/-0.053 χ^2/NDF:115660.3/18

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.437+/-0.048 χ^2/NDF:120626.4/17

Left: -3.845+/-0.036 χ^2/NDF: 236447.1/36

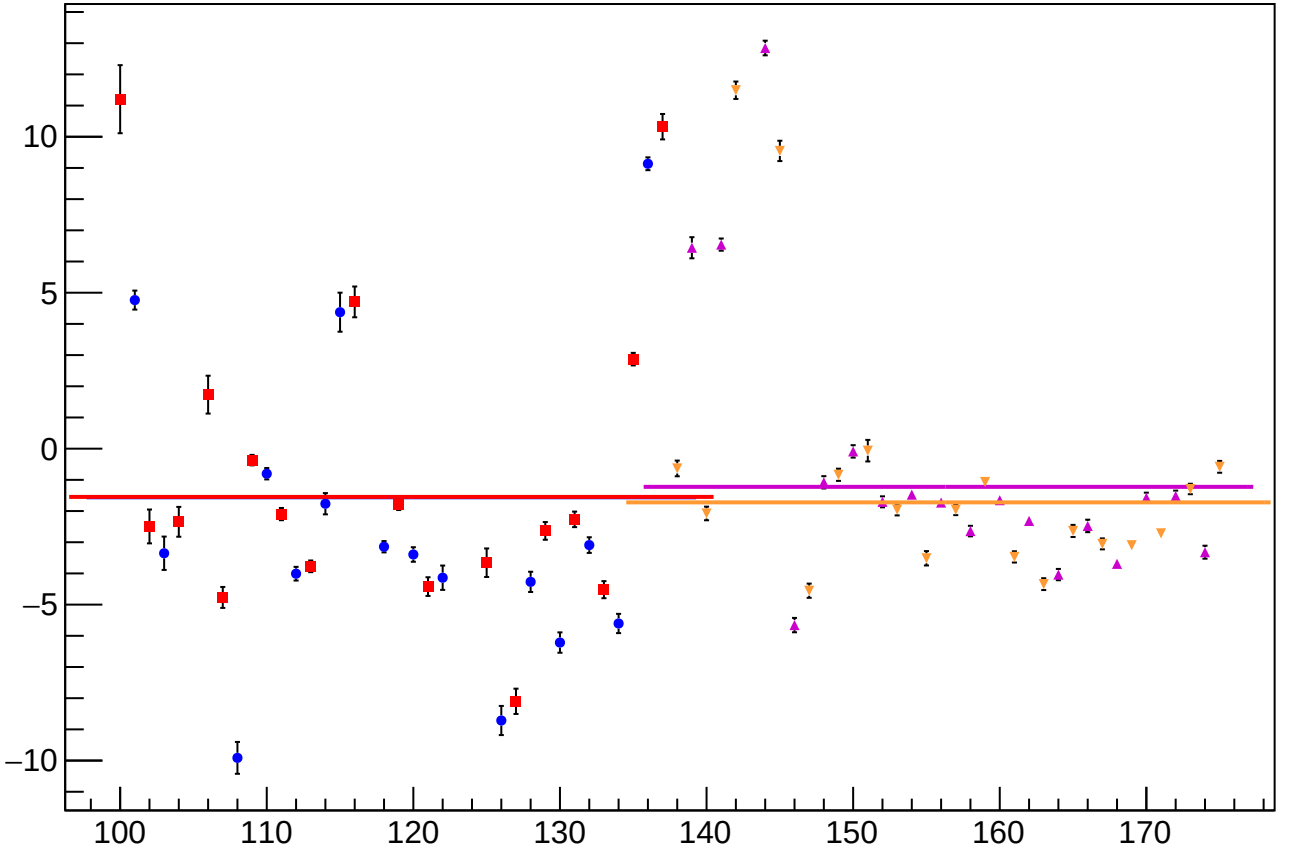
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.065+/-0.039 χ^2/NDF:206427.6/33

Out: -0.304+/-0.040 χ^2/NDF:202960.2/36

All: -0.115+/-0.028 χ^2/NDF: 409432.2/70

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.722+/-0.045 χ^2/NDF:4268.0/18

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.224+/-0.040 χ^2/NDF:6863.1/17

Left: -1.448+/-0.030 χ^2/NDF: 11199.3/36

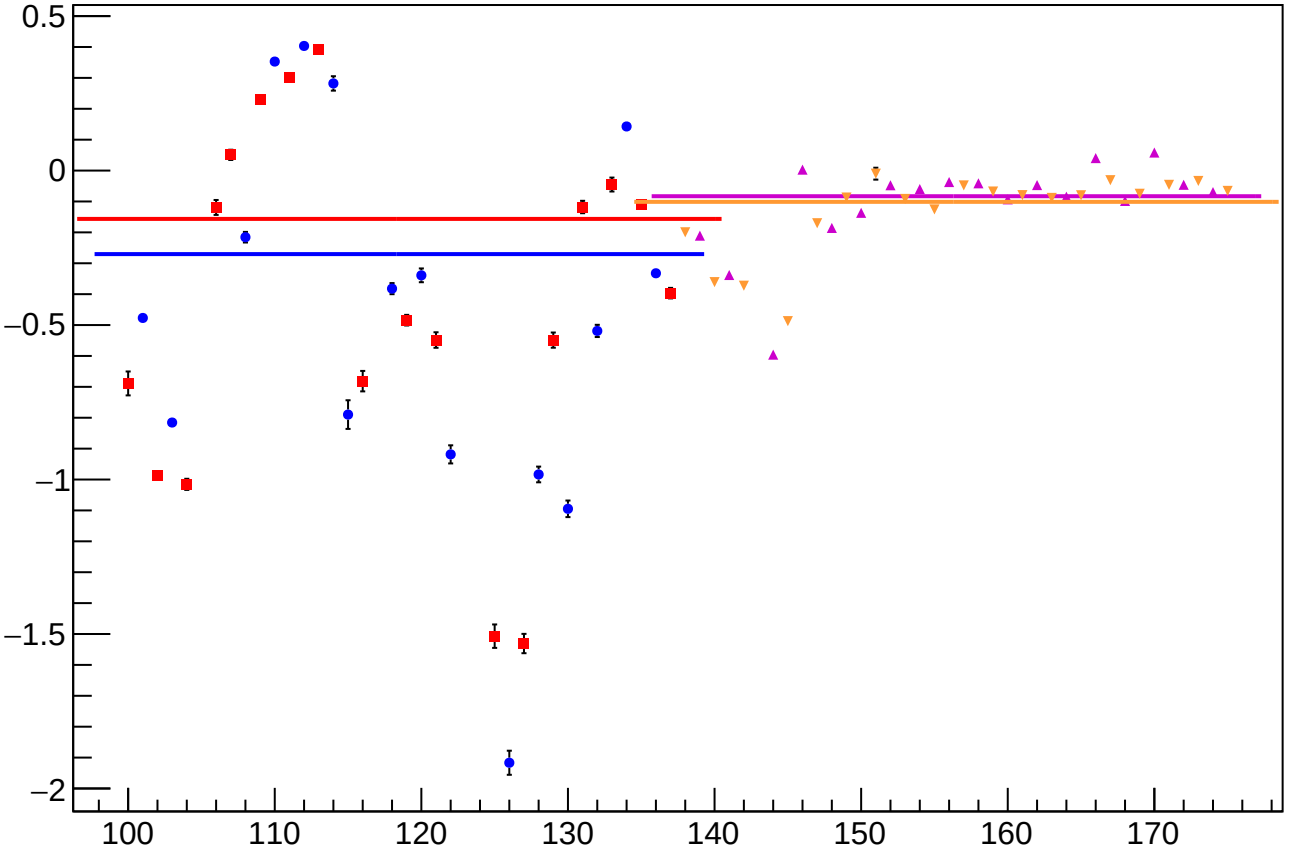
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.309+/-0.035 χ^2/NDF:11423.6/33

Out: -1.665+/-0.037 χ^2/NDF:6743.1/36

All: -1.478+/-0.025 χ^2/NDF: 18215.9/70

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.101+/-0.002 χ^2/NDF:2394.8/18

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3677.6/17

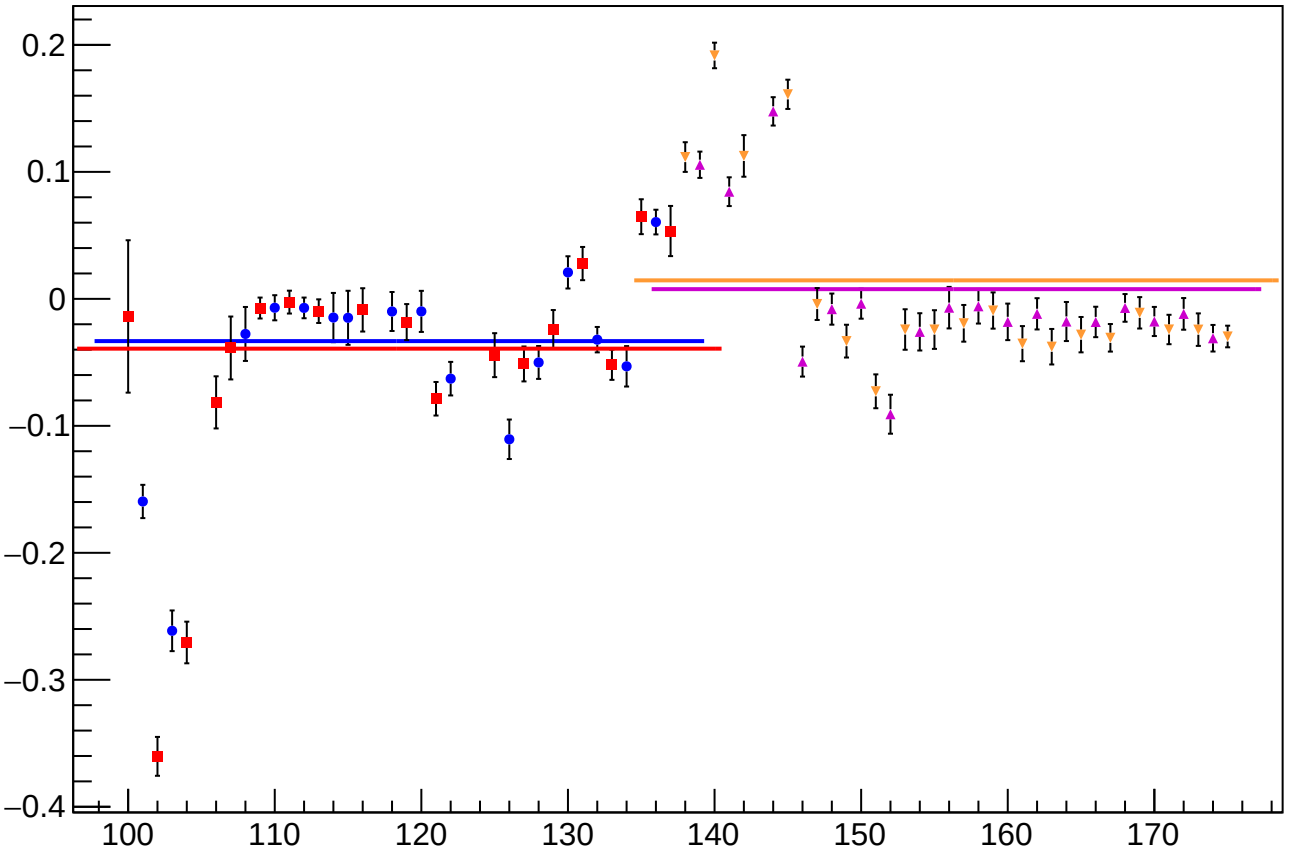
Left: -0.091+/-0.001 χ^2/NDF: 6121.3/36

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.110+/-0.002 χ^2/NDF:17525.0/33

Out: -0.113+/-0.002 χ^2/NDF:17592.5/36

All: -0.112+/-0.001 χ^2/NDF: 35118.5/70



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.015+/-0.003 χ^2/NDF:760.8/18

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.008+/-0.003 χ^2/NDF:402.5/17

Left: 0.011+/-0.002 χ^2/NDF: 1166.2/36

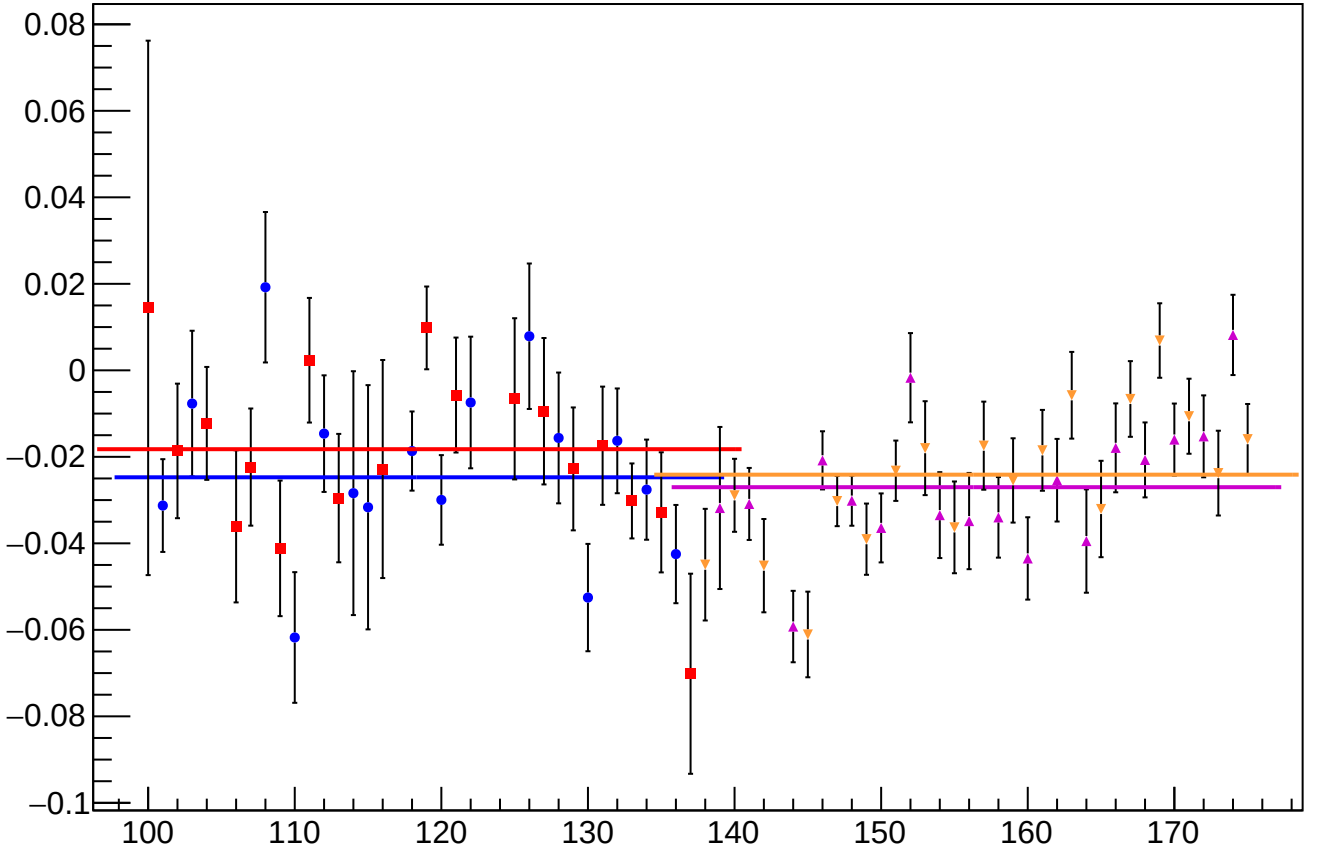
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.011+/-0.002 χ^2/NDF:955.1/33

Out: -0.009+/-0.002 χ^2/NDF:1726.4/36

All: -0.010+/-0.002 χ^2/NDF: 2681.6/70

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:51.8/18

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.027+/-0.002 χ^2/NDF:48.6/17

Left: -0.026+/-0.001 χ^2/NDF: 101.4/36

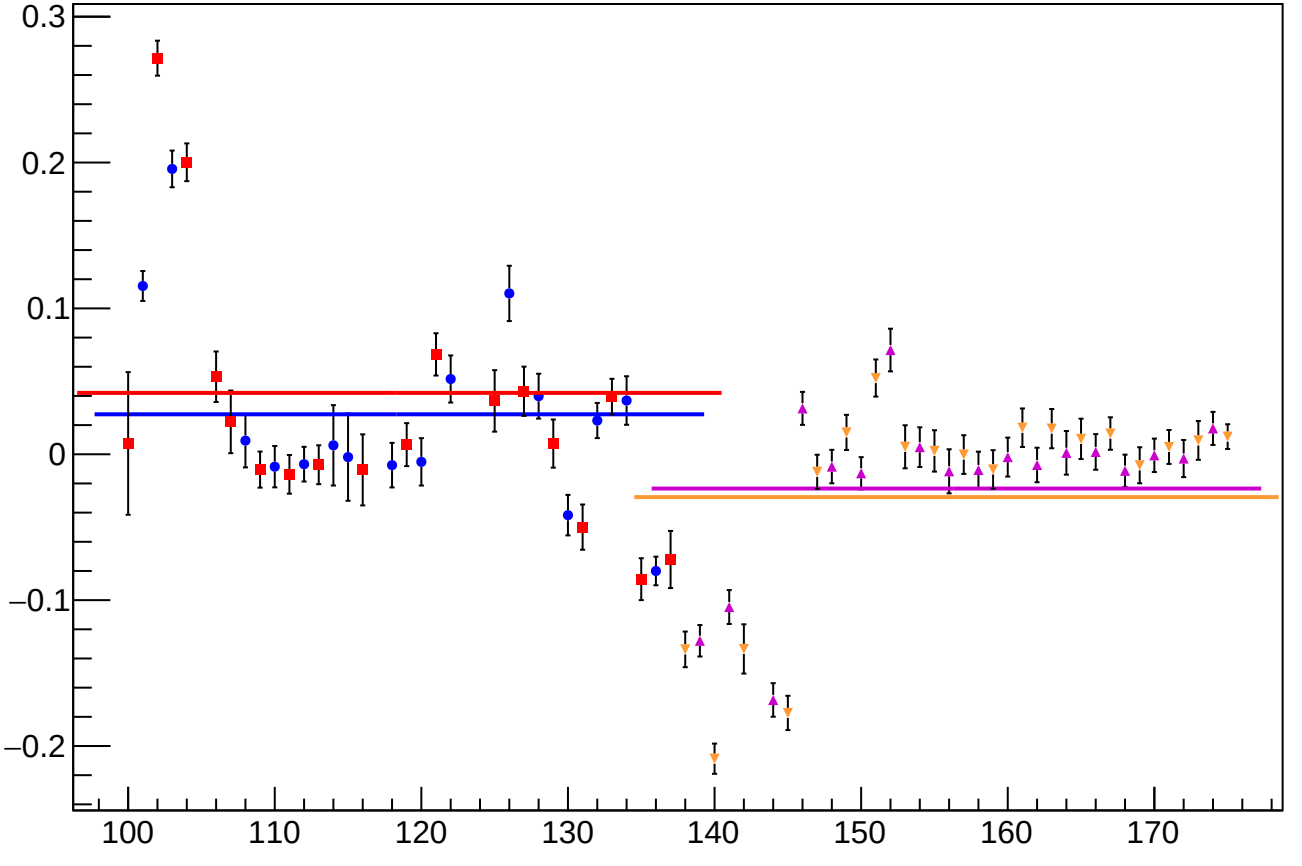
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:77.5/33

Out: -0.023+/-0.002 χ^2/NDF:78.7/36

All: -0.024+/-0.001 χ^2/NDF: 158.6/70

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.029+/-0.003 χ^2/NDF:736.9/18

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.023+/-0.003 χ^2/NDF:407.9/17

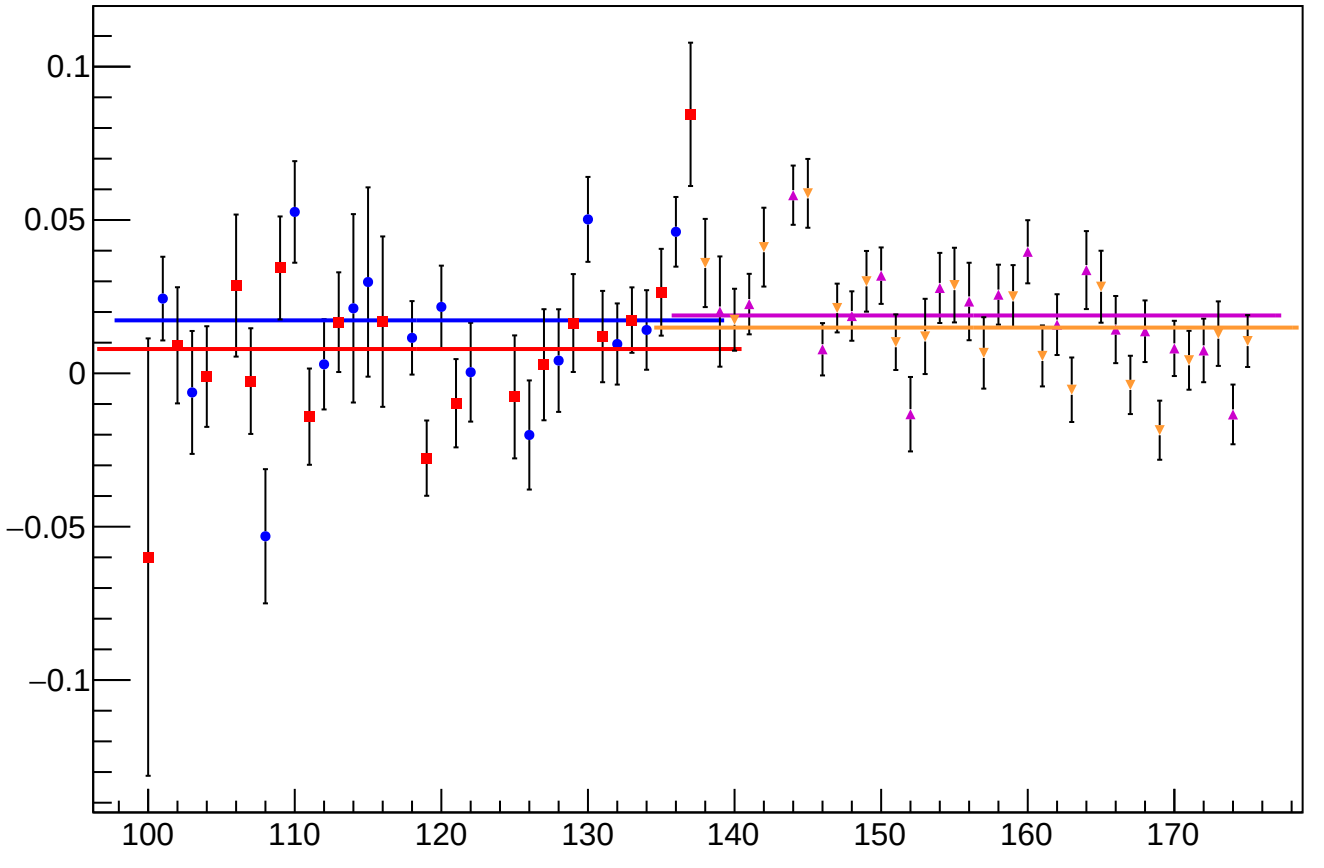
Left: -0.026+/-0.002 χ^2/NDF: 1147.0/36

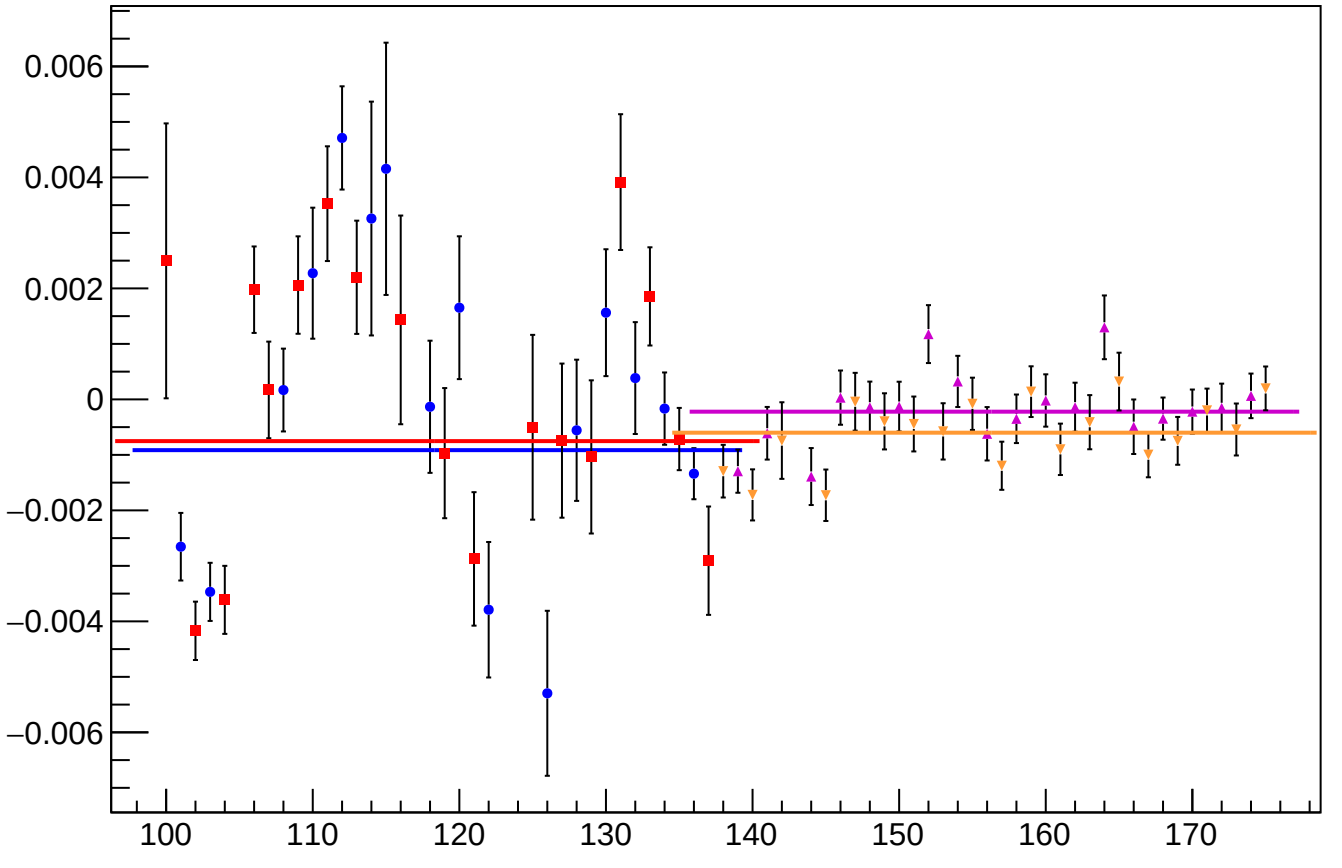
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:977.4/33

Out: -0.003+/-0.002 χ^2/NDF:1711.4/36

All: -0.003+/-0.002 χ^2/NDF: 2688.8/70


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.002 χ²/NDF:51.0/18
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.019+/-0.002 χ²/NDF:48.1/17
Left: 0.017+/-0.002 χ²/NDF: 100.5/36
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.018+/-0.002 χ²/NDF:84.9/33
Out: 0.013+/-0.002 χ²/NDF:84.8/36
All: 0.016+/-0.001 χ²/NDF: 173.2/70



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:31.1/18

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:31.3/17

Left: -0.000+/-0.000 χ^2/NDF: 68.7/36

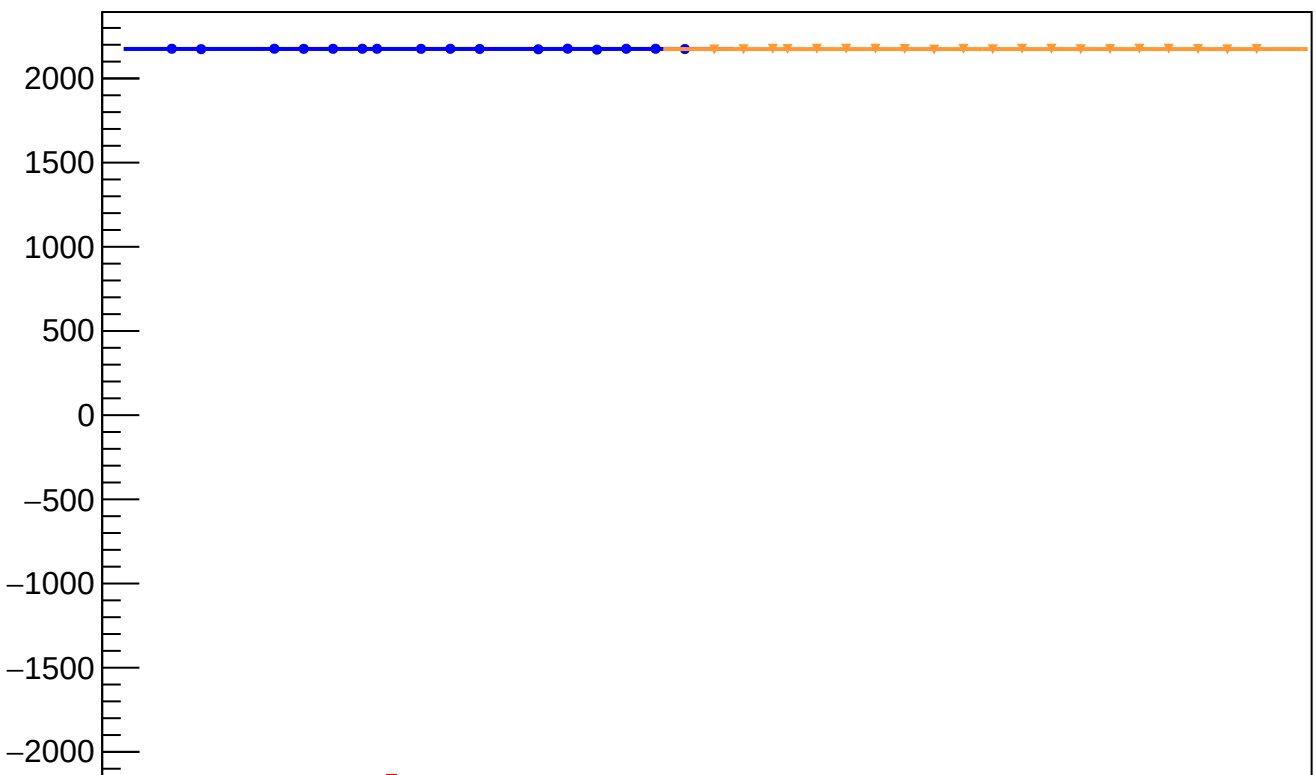
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:153.9/33

Out: -0.001+/-0.000 χ^2/NDF:179.1/36

All: -0.000+/-0.000 χ^2/NDF: 337.0/70

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.479+/-0.000 χ^2/NDF:42556598214814227350979741703208 96.0/19

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.677+/-0.000 χ^2/NDF:30220701958063831429533696702545 92.0/17

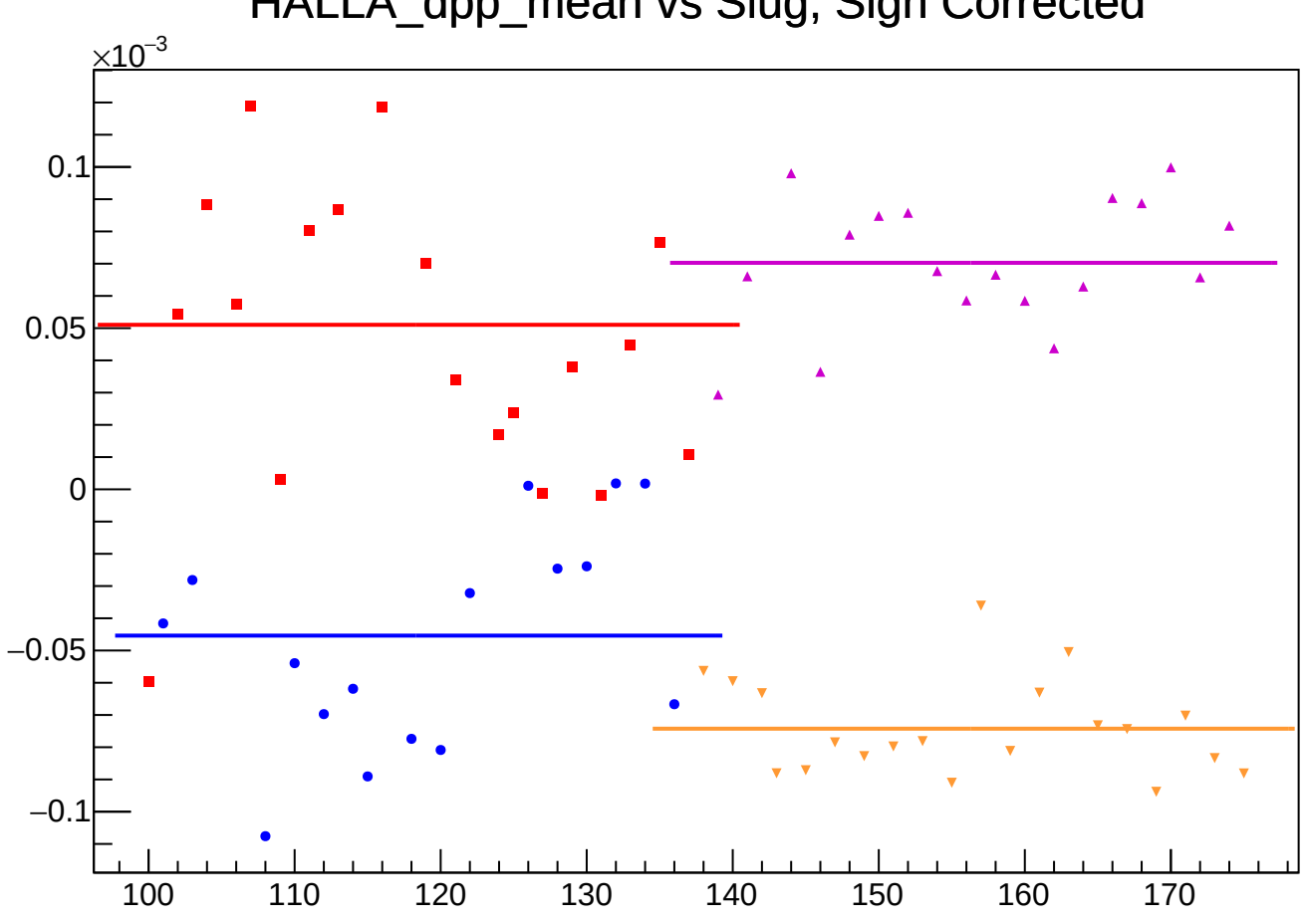
Left: 73.293+/-0.000 χ^2/NDF: 151148958596700 40

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 11

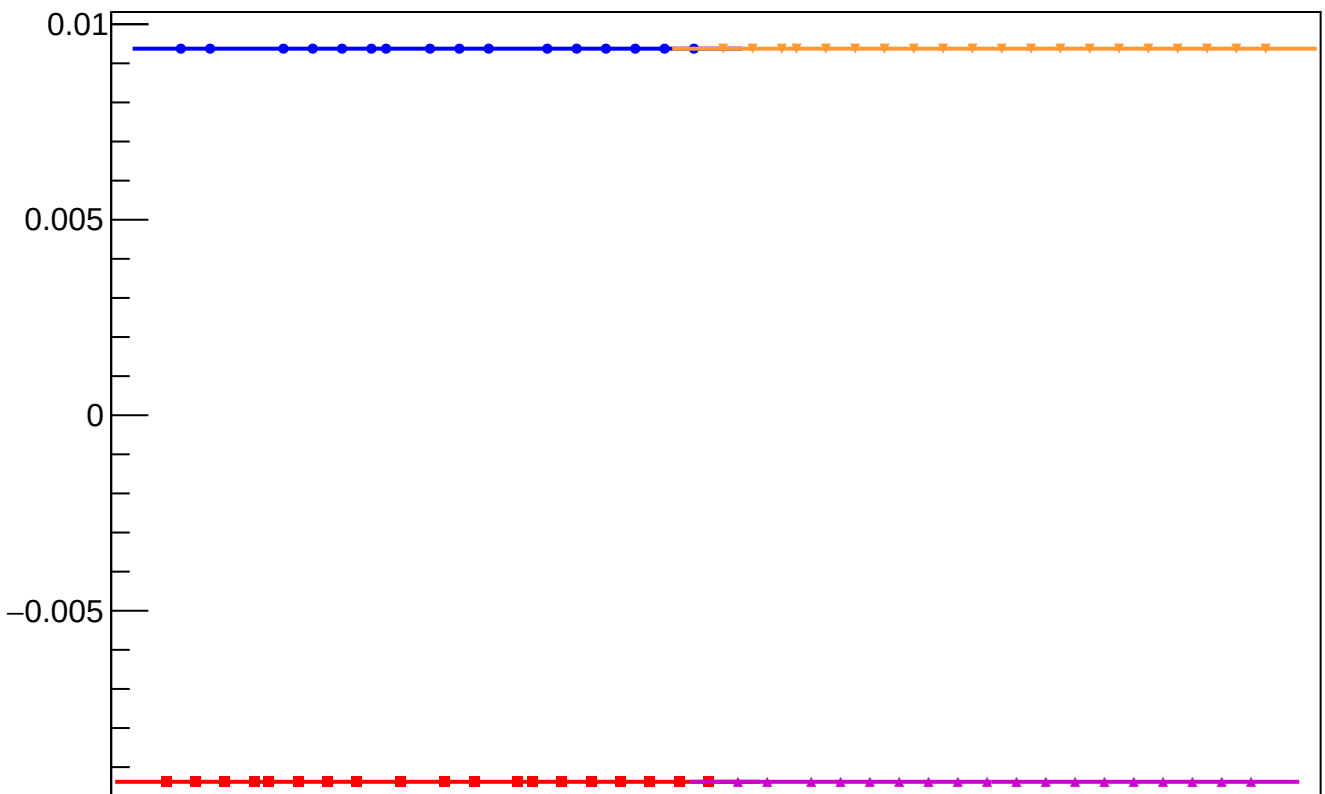
In: -765.293+/-0.000 χ^2/NDF:94779804420264 77

Out: 801.647+/-0.000 χ^2/NDF:98746866239148 14

All: 39.829+/-0.000 χ^2/NDF: 22237895368 77


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3617597998329140042792960.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:59813579503861705893478 4.0/17
Left: -0.000+/-0.000 χ²/NDF: 17648044252668813
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8010053688187112541
Out: -0.000+/-0.000 χ²/NDF:95689840586672656
All: -0.000+/-0.000 χ²/NDF: 2293228926496

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 280929638671874049

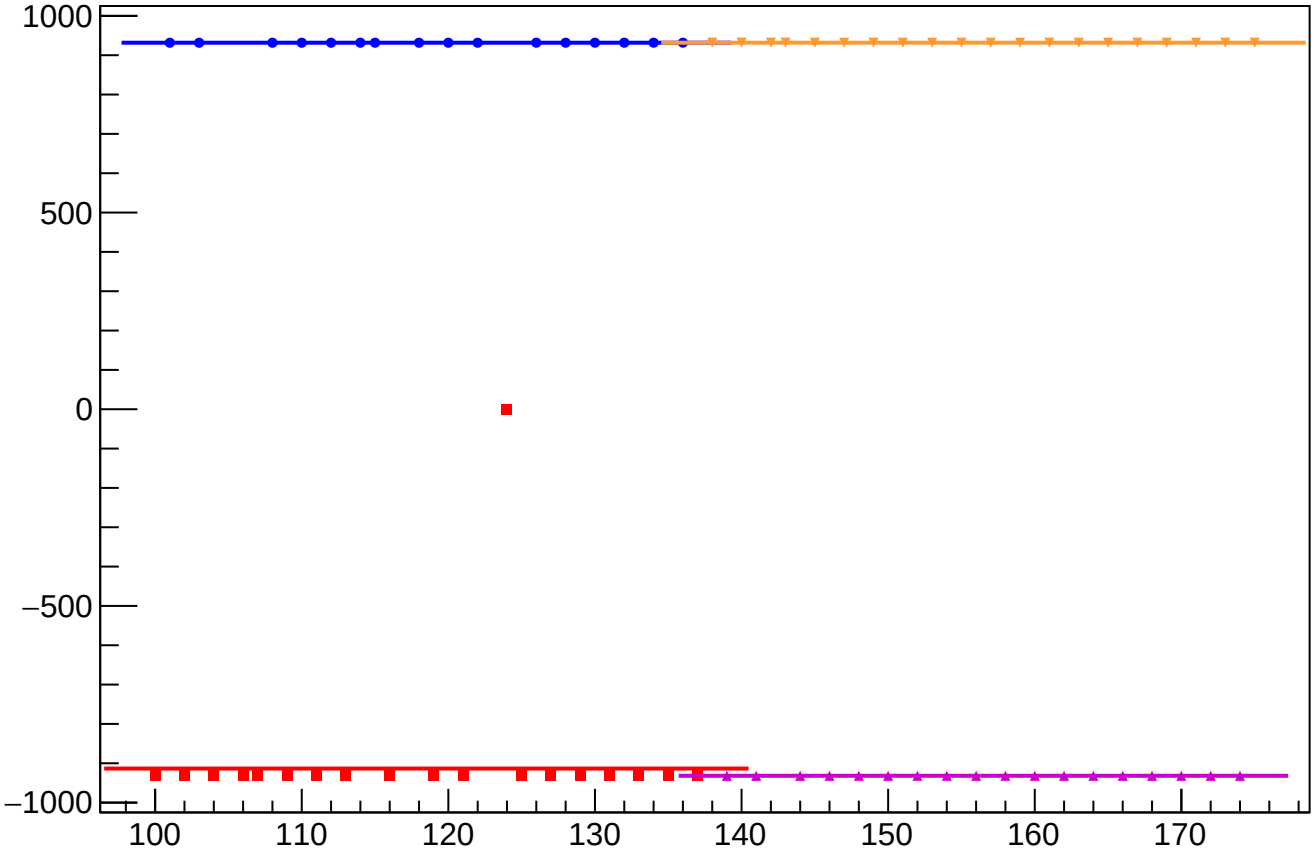
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41329931142378

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:4183161883108006832439996448768.0/19

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.775+/-0.000 χ^2/NDF:37178509256942723090943322357776.0/17

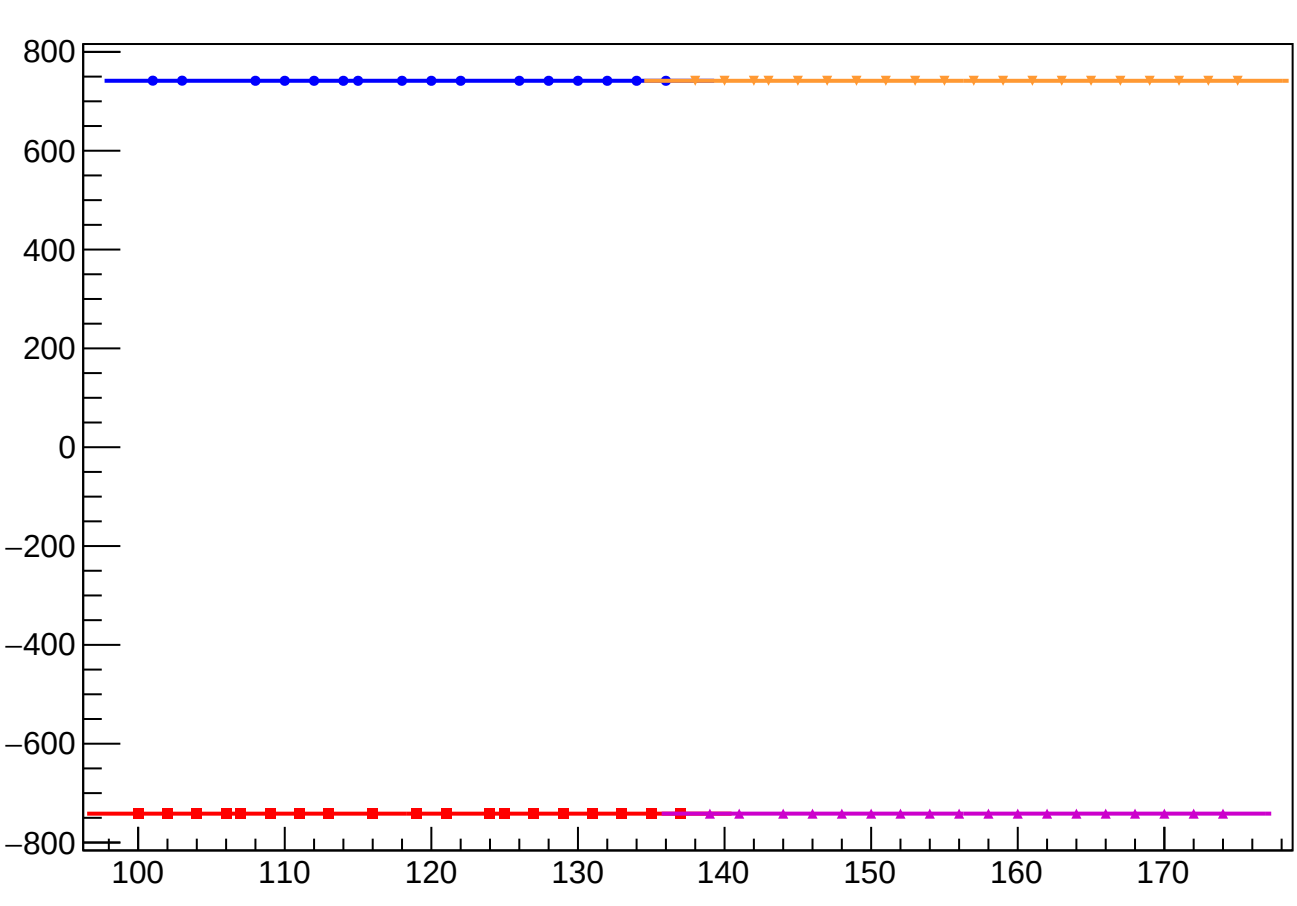
Left: 31.452+/-0.000 χ^2/NDF: 27751218448139918

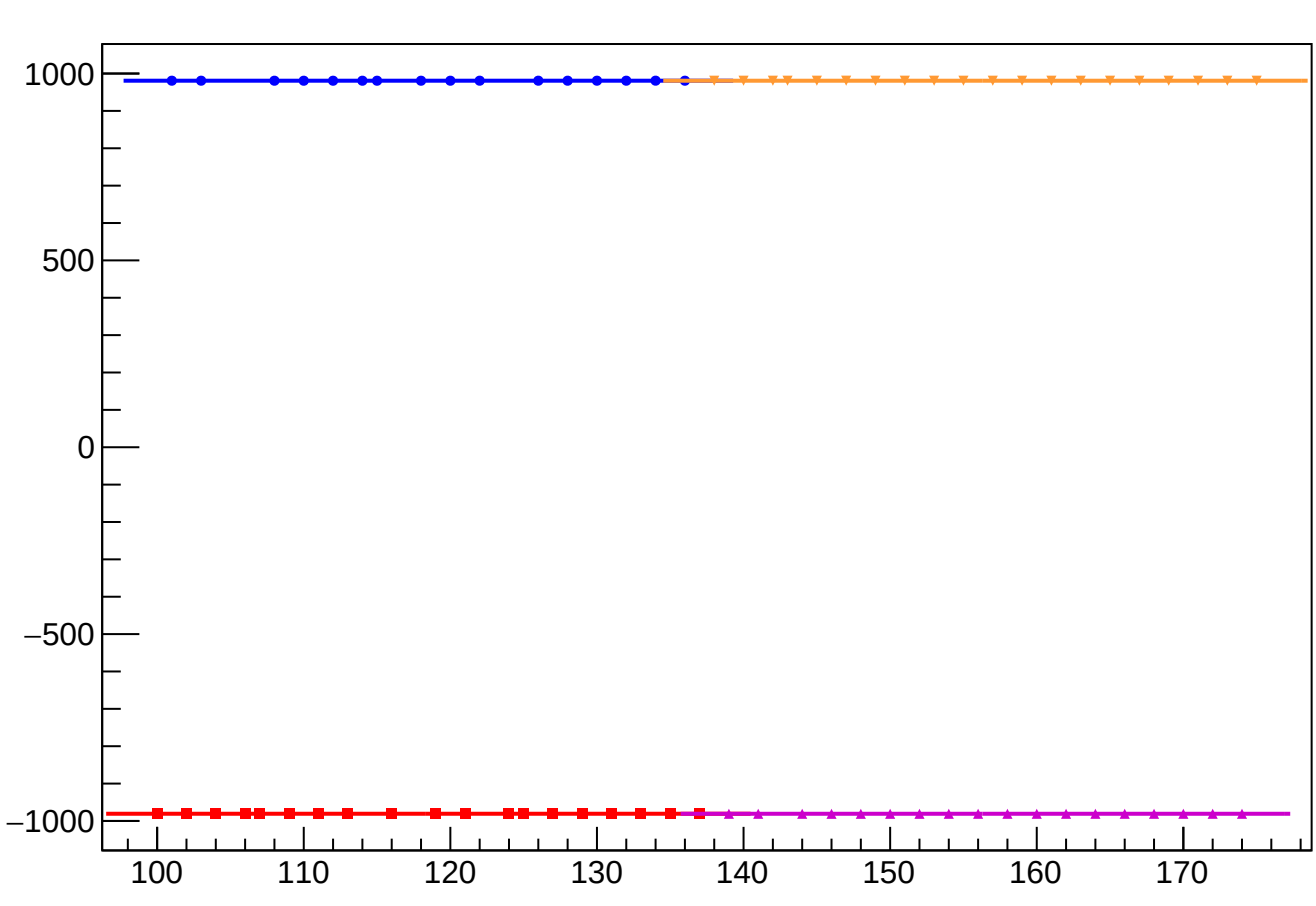
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -327.977+/-0.000 χ^2/NDF:1739566702835707

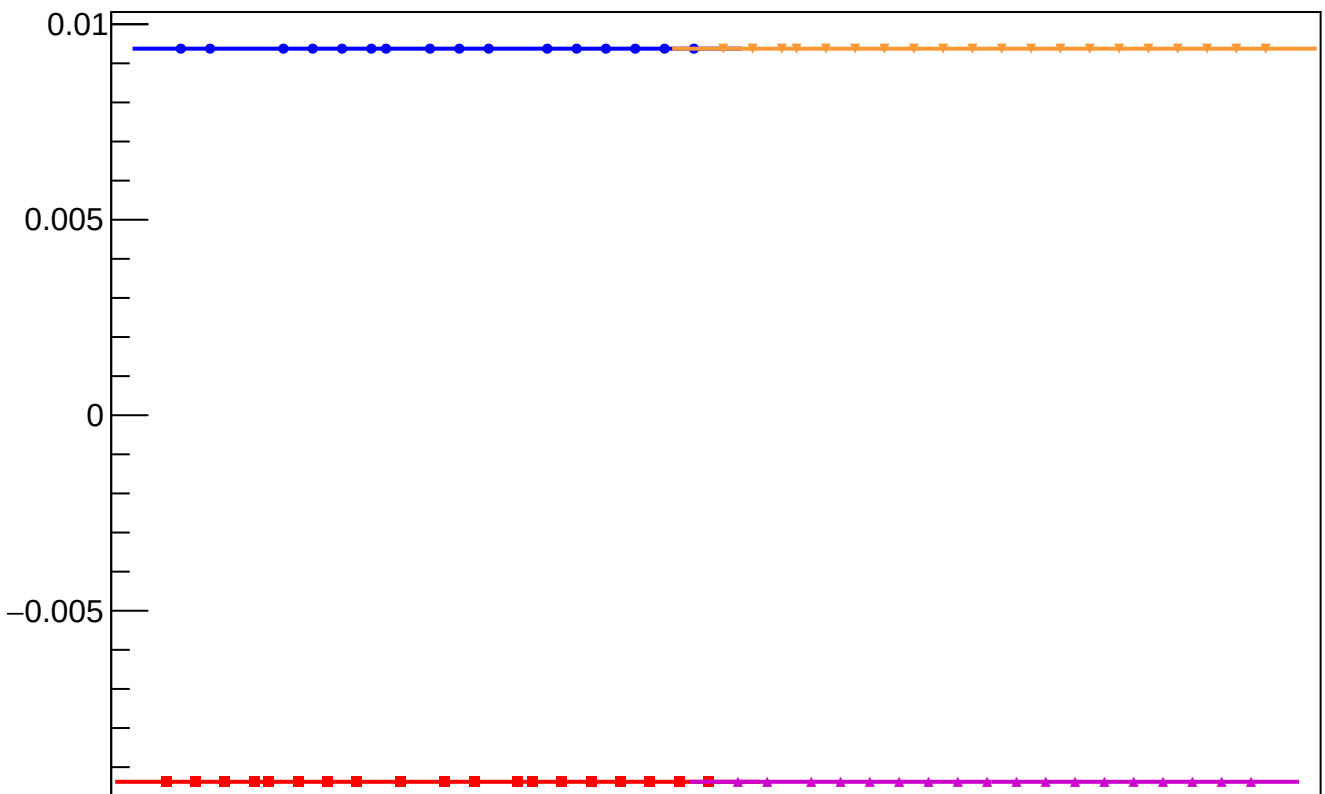
Out: 349.281+/-0.000 χ^2/NDF:1790576098316893

All: 20.010+/-0.000 χ^2/NDF: 406913729370


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.513+/-0.000 χ²/NDF:208464466168993615165769383936.0/19
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.512+/-0.000 χ²/NDF:203639733801953693167221997568.0/17
Left: 25.026+/-0.000 χ²/NDF: 1757487490596198
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -260.986+/-0.000 χ²/NDF:1101771268535179
Out: 273.330+/-0.000 χ²/NDF:1148466413722796
All: 13.555+/-0.000 χ²/NDF: 258572258334


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Left: 33.098+/-0.000 χ²/NDF: 3074611299300819
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Right: -14.307+/-0.000 χ²/NDF: 14463860088085
Left Out: 980.768+/-0.000 χ²/NDF:724102795574416267156803026944.0/19
In: -345.213+/-0.000 χ²/NDF:1927404350694590
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Out: 361.563+/-0.000 χ²/NDF:2008892006109772
Left In: -980.774+/-0.000 χ²/NDF:1449884416392240201581417463808.0/17
All: 17.941+/-0.000 χ²/NDF: 4523296447977

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 280929638671874049

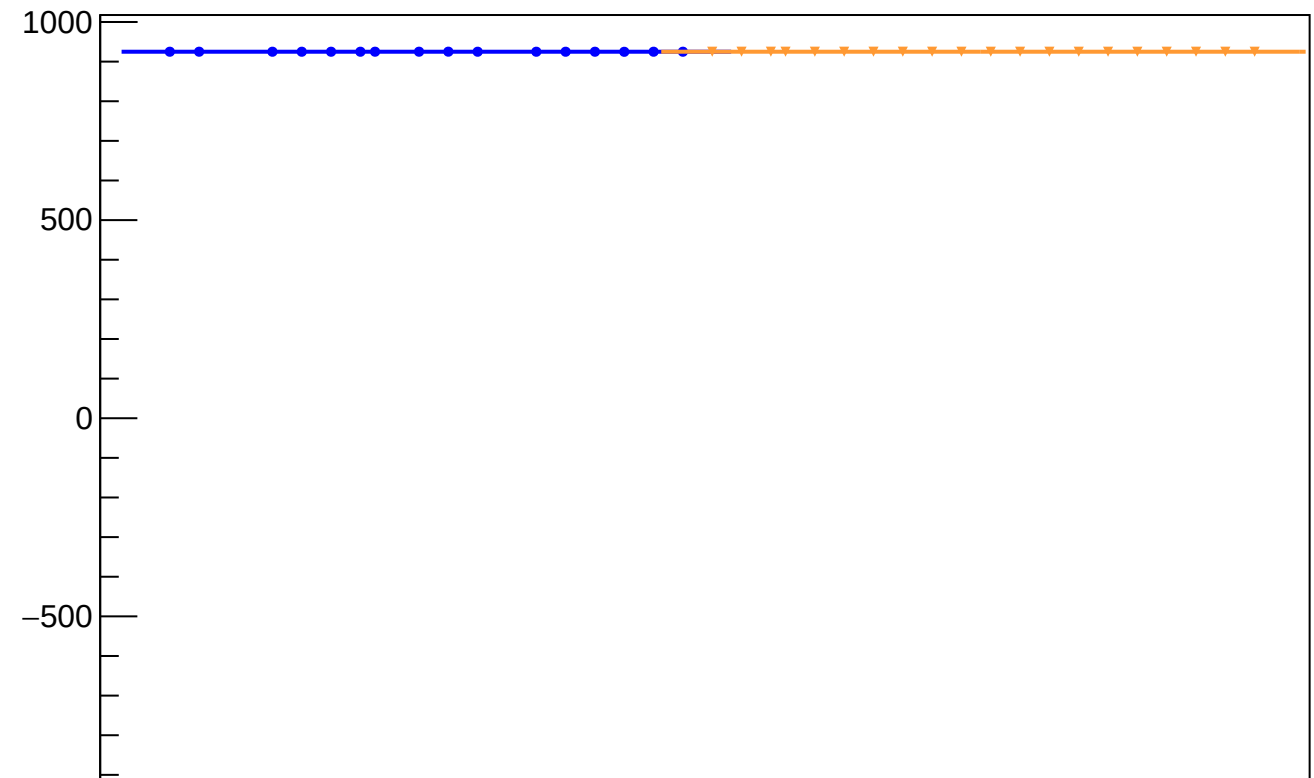
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41329931142378

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.983+/-0.000 χ^2/NDF:90854139699192169669404812902 4.0/19

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.985+/-0.000 χ^2/NDF:74975839558283458370600540569 6.0/17

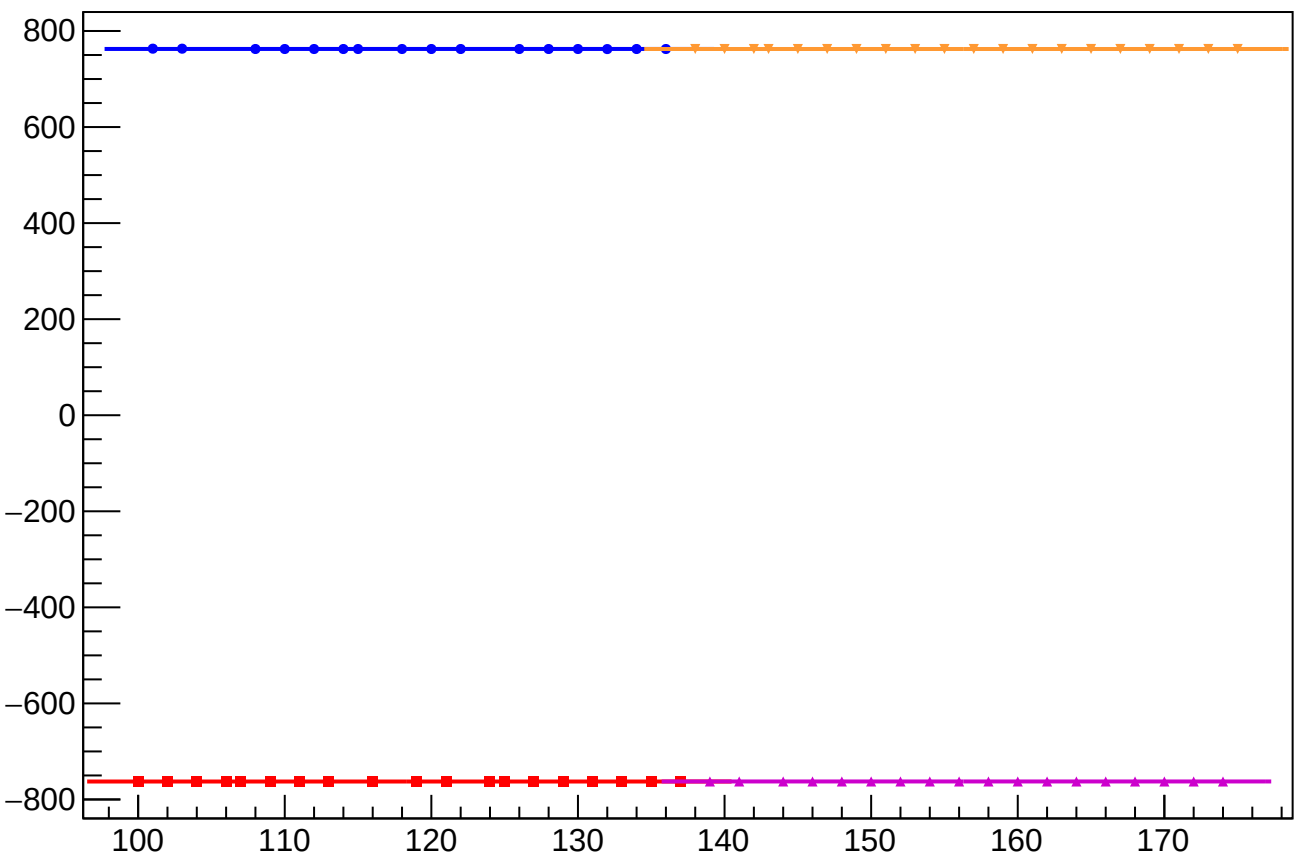
Left: 31.217+/-0.000 χ^2/NDF: 27347880569048413

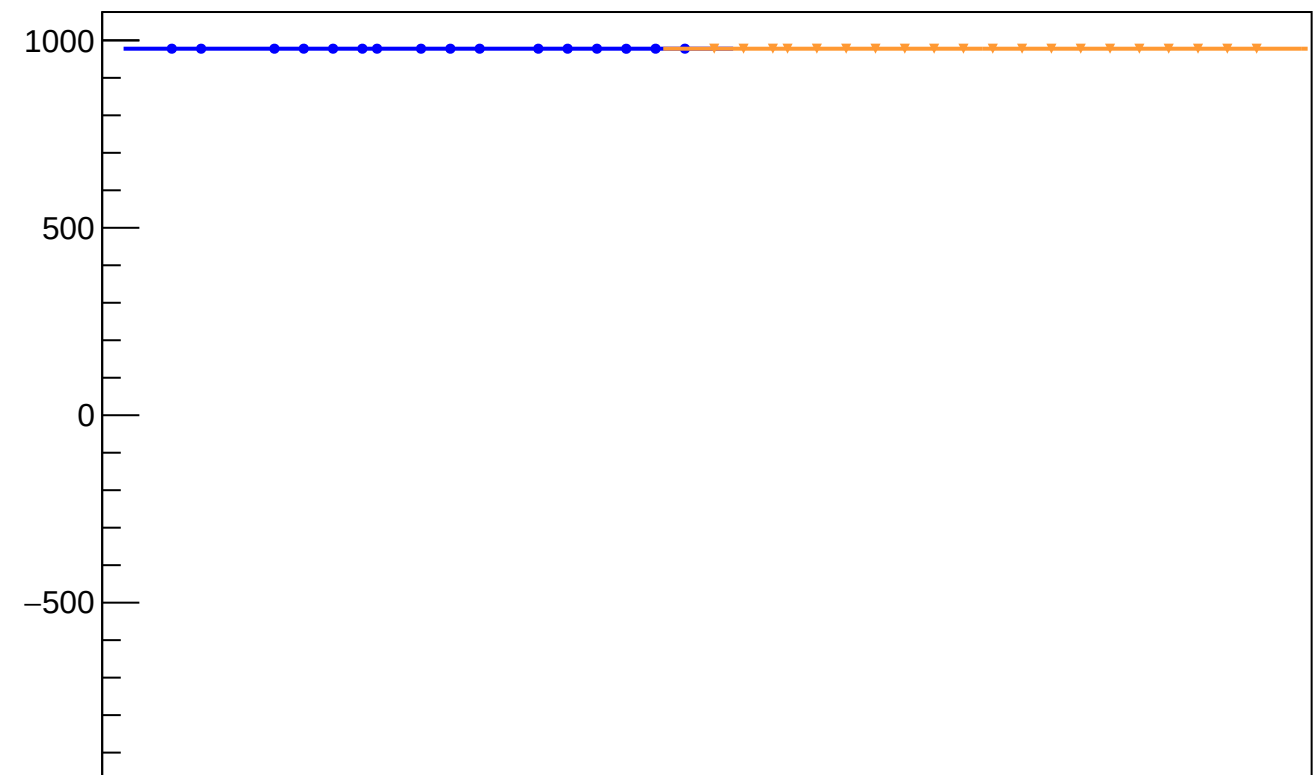
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -325.591+/-0.000 χ^2/NDF:1714281802030927

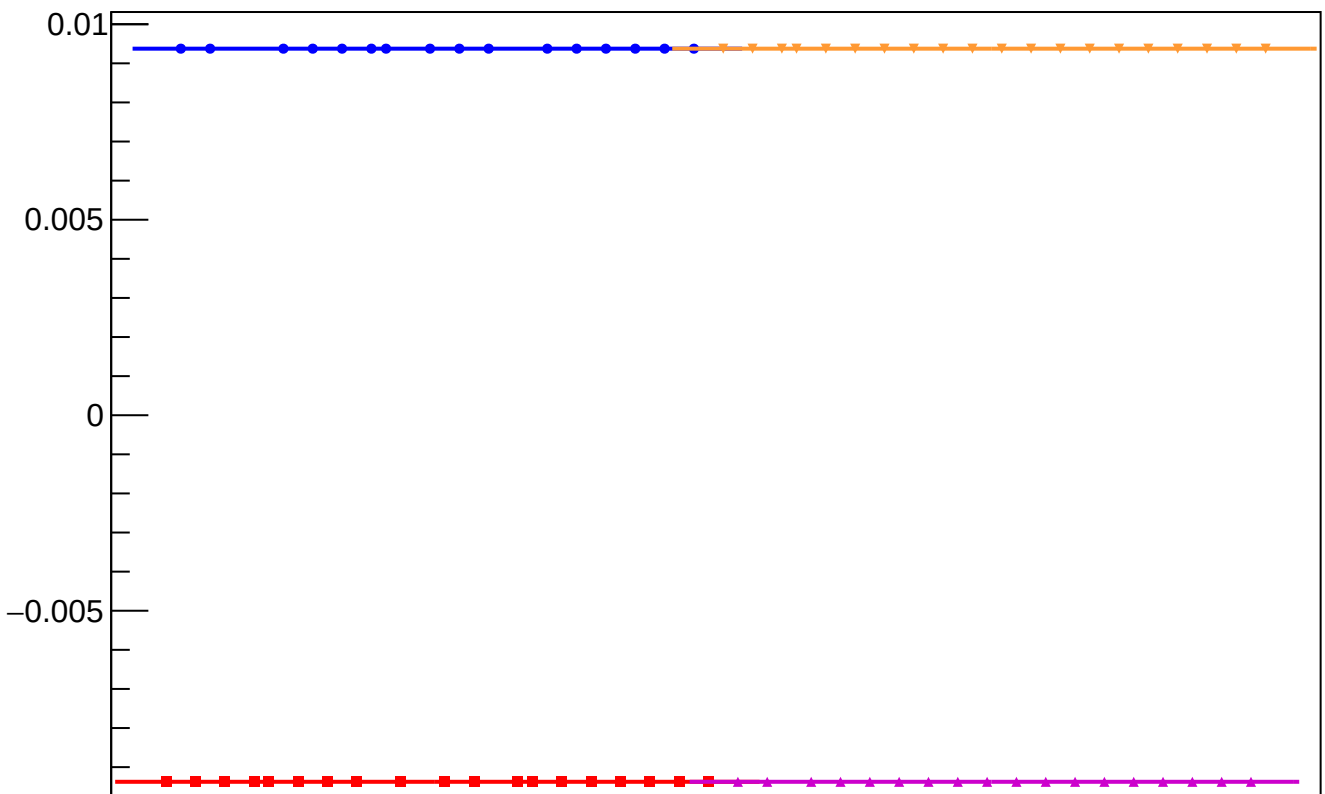
Out: 340.988+/-0.000 χ^2/NDF:1786926856207466

All: 16.909+/-0.000 χ^2/NDF: 402333861013


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.514+/-0.000 χ²/NDF:631672966834007824314333659136.0/19
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.515+/-0.000 χ²/NDF:533014530113815682864562307072.0/17
Left: 25.735+/-0.000 χ²/NDF: 18584516057585173
Right: -11.159+/-0.000 χ²/NDF: 874510274639263
In: -268.366+/-0.000 χ²/NDF:1165125249393290
Out: 281.060+/-0.000 χ²/NDF:1214502878684291
All: 13.939+/-0.000 χ²/NDF: 2734354508254


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.738+/-0.000 χ²/NDF:1154309662640916609855710560256.0/19
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Left In: -977.735+/-0.000 χ²/NDF:107937605337458395265295083110 4.0/17
Left: 33.000+/-0.000 χ²/NDF: 30556163741817537
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: -344.148+/-0.000 χ²/NDF:1915447854070295
Out: 360.429+/-0.000 χ²/NDF:199660654356477
All: 17.876+/-0.000 χ²/NDF: 449540929887

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

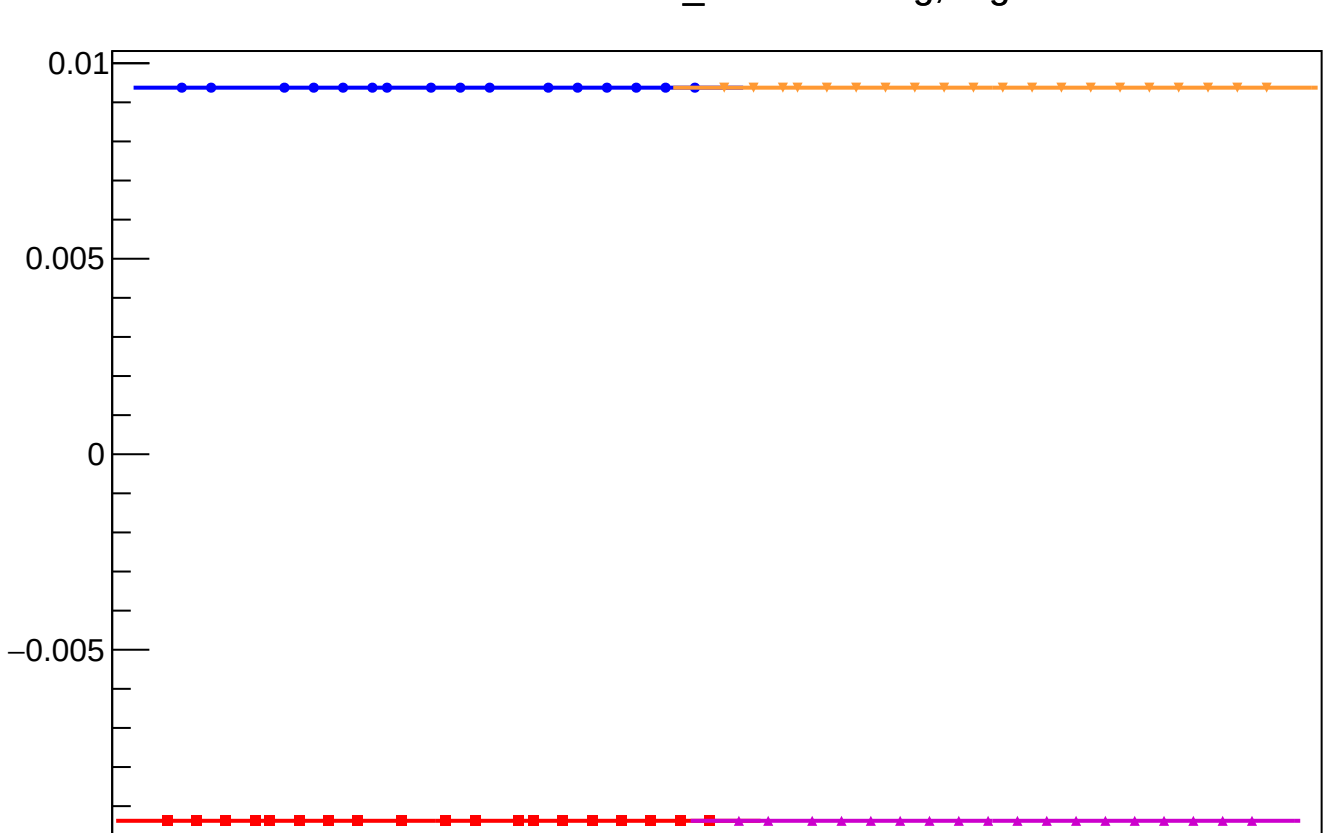
Left: 0.000+/-0.000 χ^2/NDF: 280929638671874049

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41329931142378



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 280929638671874049

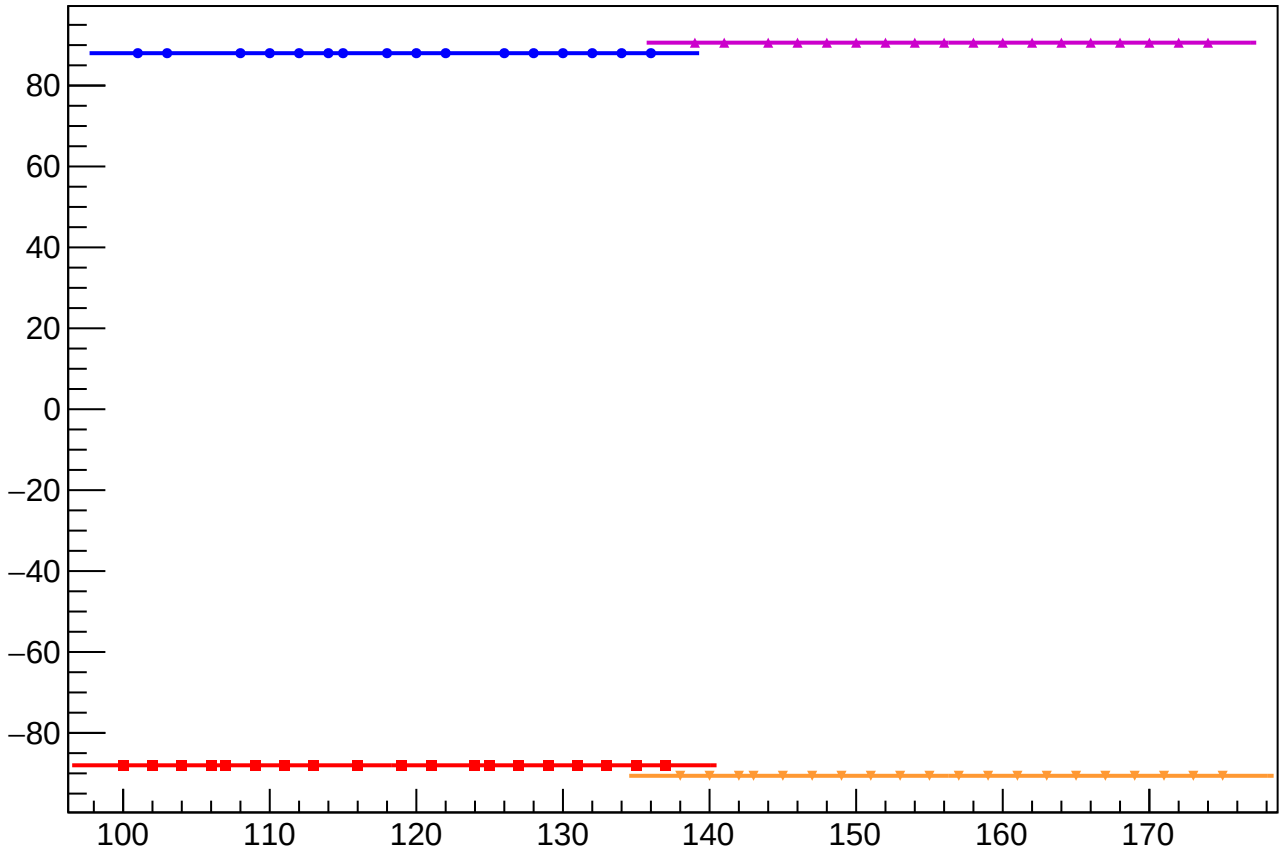
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41329931142378

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4752451.5/19

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:5276709.5/17

Left: -3.058+/-0.000 χ^2/NDF: 26236425293775926

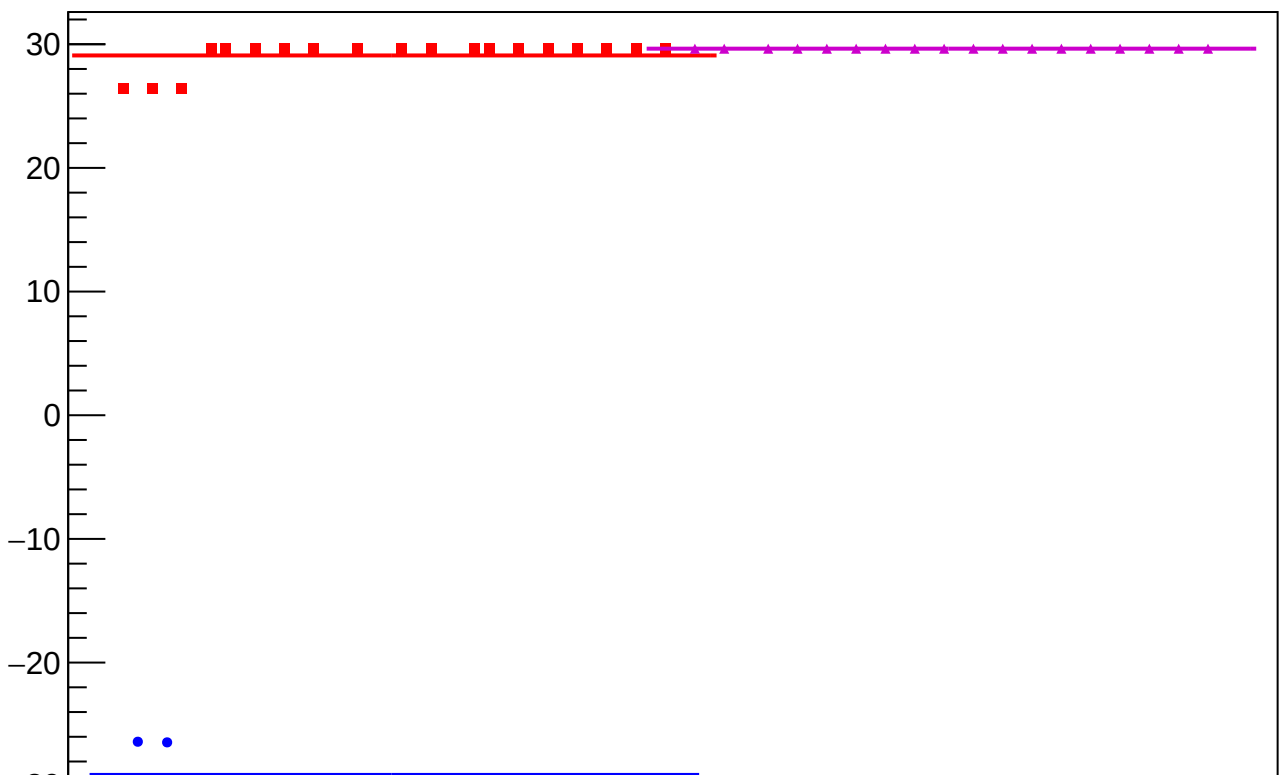
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.757+/-0.000 χ^2/NDF:338250394744855928

Out: -89.780+/-0.000 χ^2/NDF:3518560656120945

All: -2.492+/-0.000 χ^2/NDF: 3788465526297

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:301900.2/19

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:86421.3/17

Left: -1.000+/-0.000 χ^2/NDF: 28082257092600628

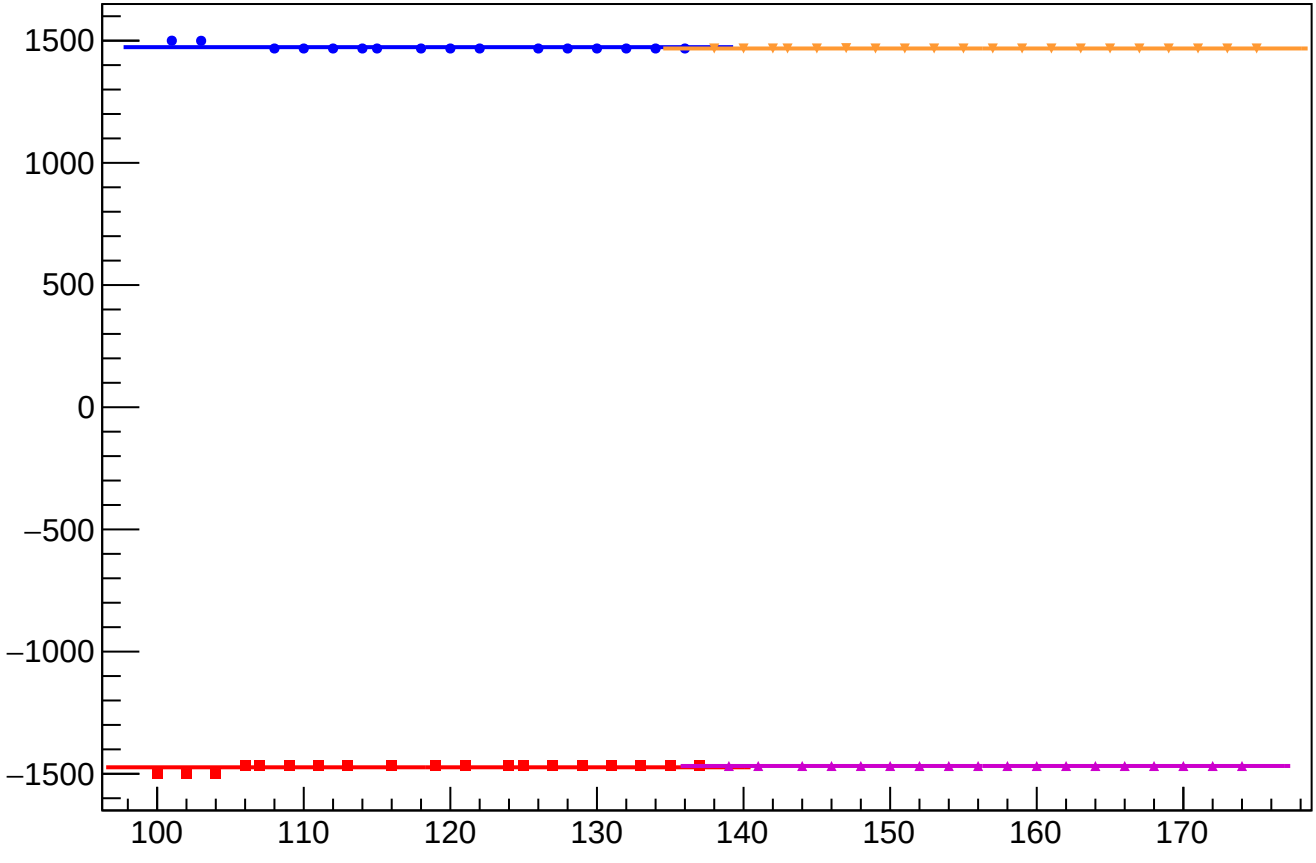
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 10.613+/-0.000 χ^2/NDF:17286175822661771 4

Out: -11.100+/-0.000 χ^2/NDF:18023045435511 05

All: -0.543+/-0.000 χ^2/NDF: 4084917603297

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.062+/-0.000 χ^2/NDF:13839153181313037581877463587225 6.0/19

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.992+/-0.000 χ^2/NDF:14103182402594684800223045222 4.0/17

Left: 49.581+/-0.000 χ^2/NDF: 688847568594302 63

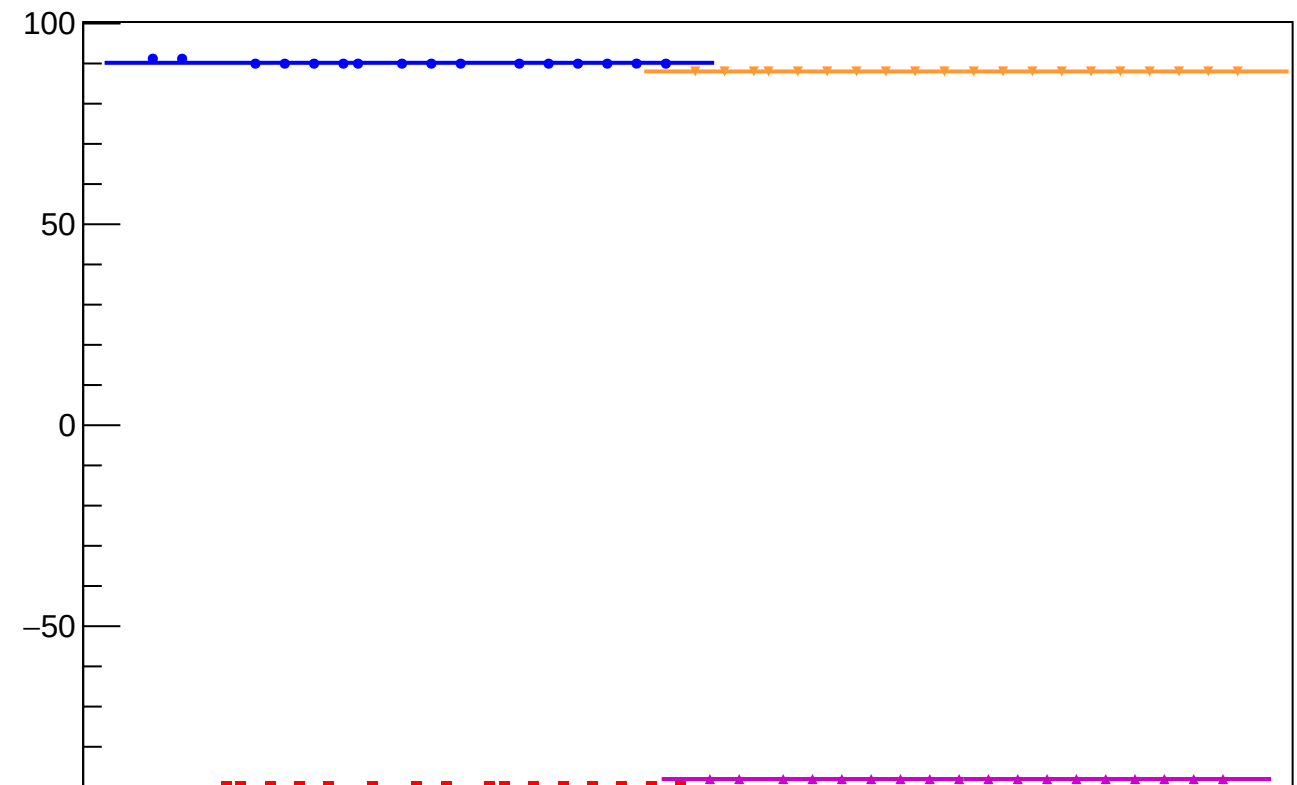
Right: -21.516+/-0.000 χ^2/NDF: 32646973859146 0

In: -514.944+/-0.000 χ^2/NDF:43340912552278 44

Out: 539.502+/-0.000 χ^2/NDF:45177103251363 50

All: 26.849+/-0.000 χ^2/NDF: 10158344678 70

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:4126007.6/19

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:4462453.6/17

Left: 2.971+/-0.000 χ^2/NDF: 247642212085509185

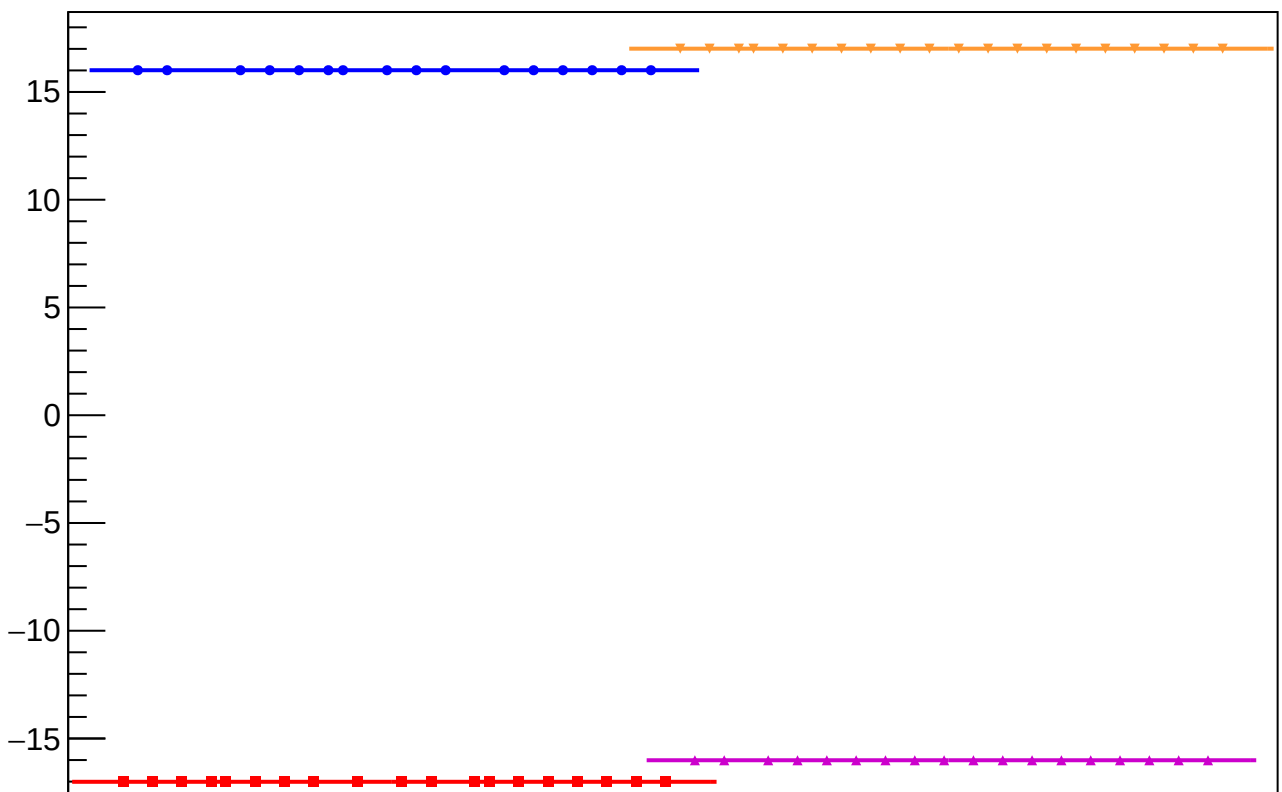
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -30.285+/-0.000 χ^2/NDF:15905576852432570

Out: 31.770+/-0.000 χ^2/NDF:1657878276721651

All: 1.600+/-0.000 χ^2/NDF: 3700943619982

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:2462647587854784799651840.0/19

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:123407758787227246657536.0/17

Left: 0.996+/-0.000 χ^2/NDF: 806313632206690650

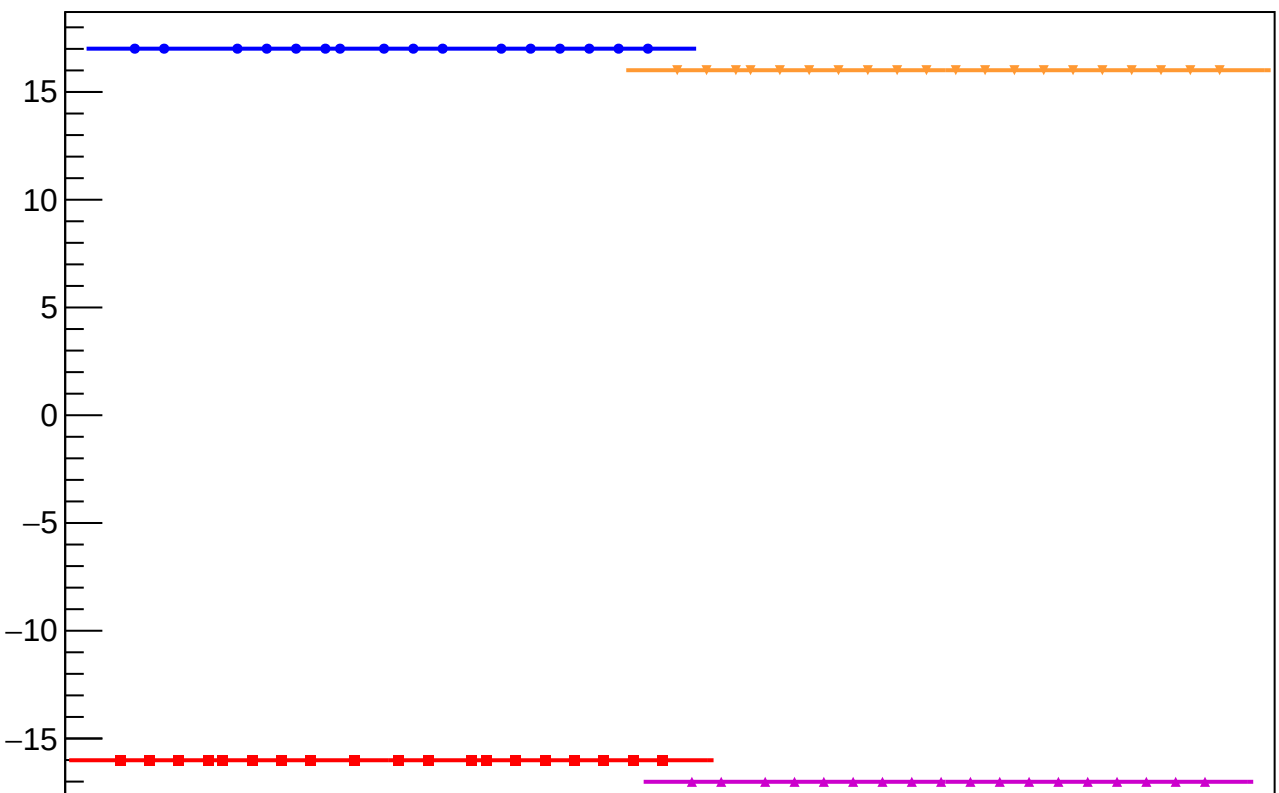
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -5.496+/-0.000 χ^2/NDF:483384297623160471

Out: 6.380+/-0.000 χ^2/NDF:551407862998187977

All: 0.551+/-0.000 χ^2/NDF: 1188347281967

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:76904.5/19

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1097858532935231455887360/17

Left: 0.126+/-0.000 χ^2/NDF: 853788544007424729

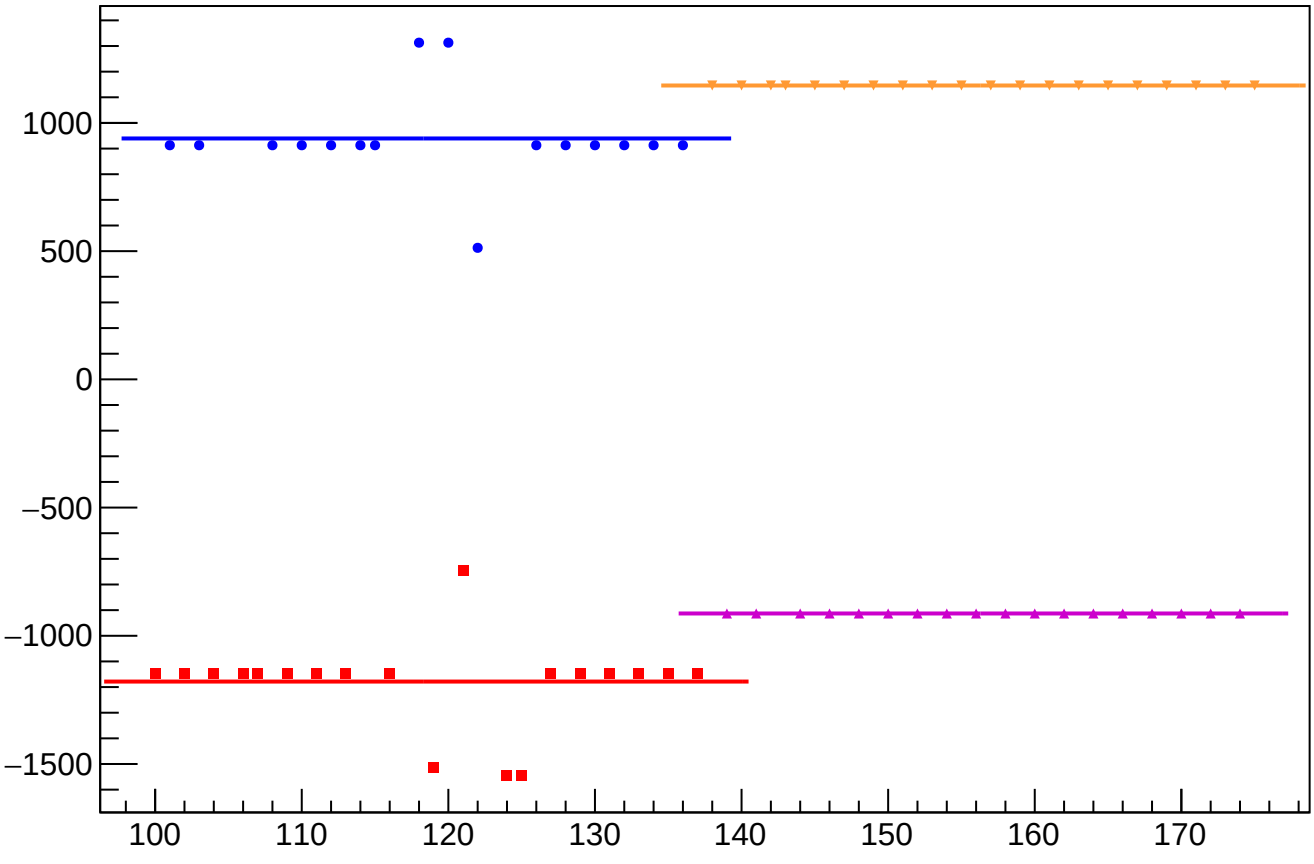
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -6.156+/-0.000 χ^2/NDF:557154378643464845

Out: 5.828+/-0.000 χ^2/NDF:530704174616216254

All: 0.059+/-0.000 χ^2/NDF: 12529028366132

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 151.254+/-0.000 χ^2/NDF: 3387741161326062

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:566706533214382540825454182 4.0/19

In: -312.794+/-0.000 χ^2/NDF:1739981598697133

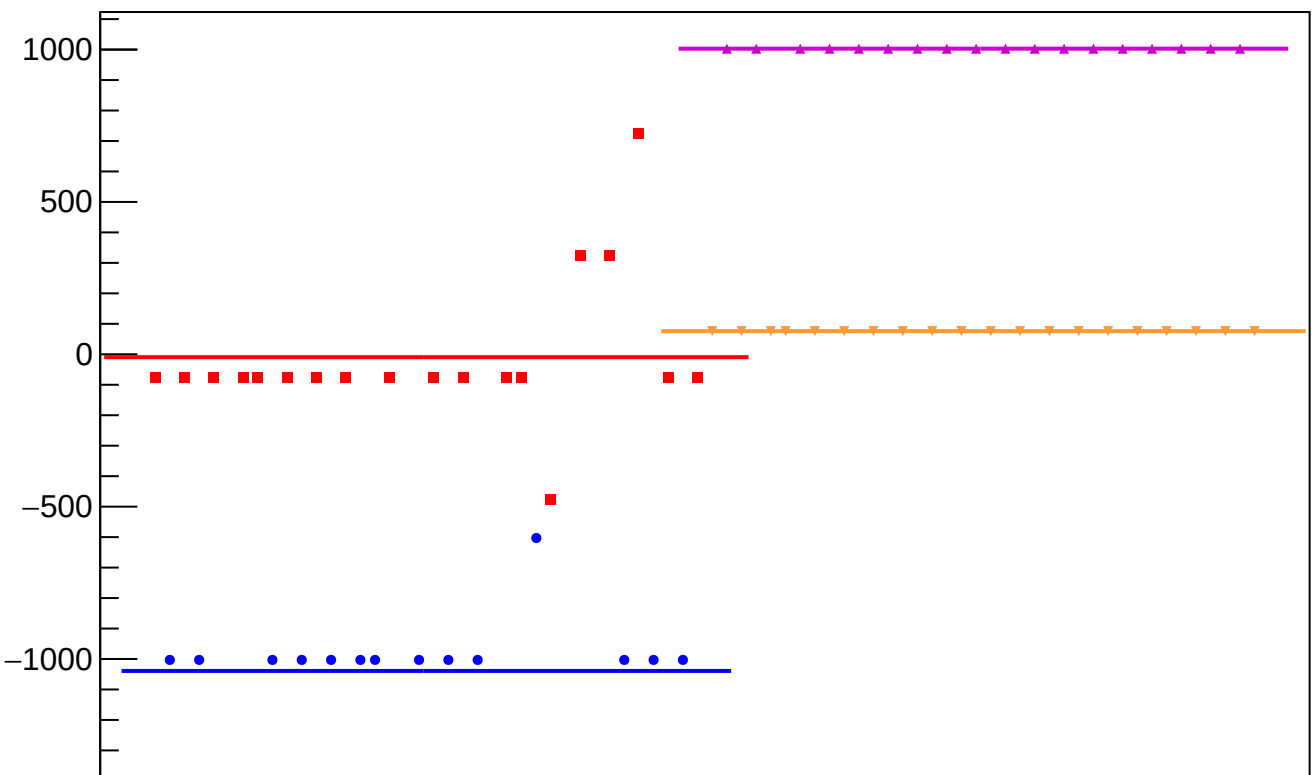
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 412.204+/-0.000 χ^2/NDF:284345492013637

Left In: -912.995+/-0.000 χ^2/NDF:219042541061425749537115340 80.0/17

All: 59.723+/-0.000 χ^2/NDF: 5201096338562

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 523.858+/-0.000 χ^2/NDF: 6866481640312370

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:10026819465166770772528594944.0/19

In: 341.324+/-0.000 χ^2/NDF:2111854835827073

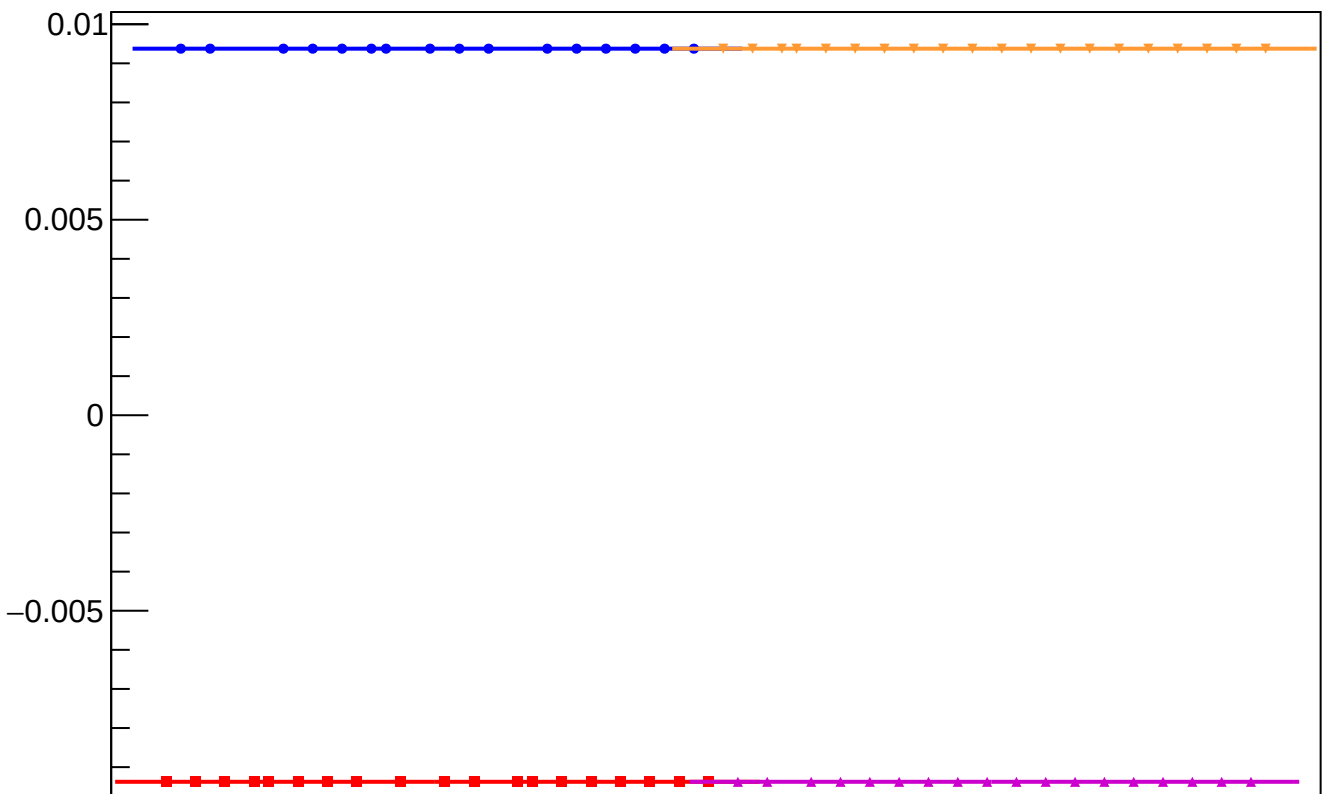
Right Out: -9.430+/-0.000 χ^2/NDF: 46057394734928766474893736526051540992.0/18

Out: 49.039+/-0.000 χ^2/NDF:4986907268540972

Left In: 1002.990+/-0.000 χ^2/NDF:247699597180181522376189542 4.0/17

All: 191.143+/-0.000 χ^2/NDF: 22621130540

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 280929638671874049

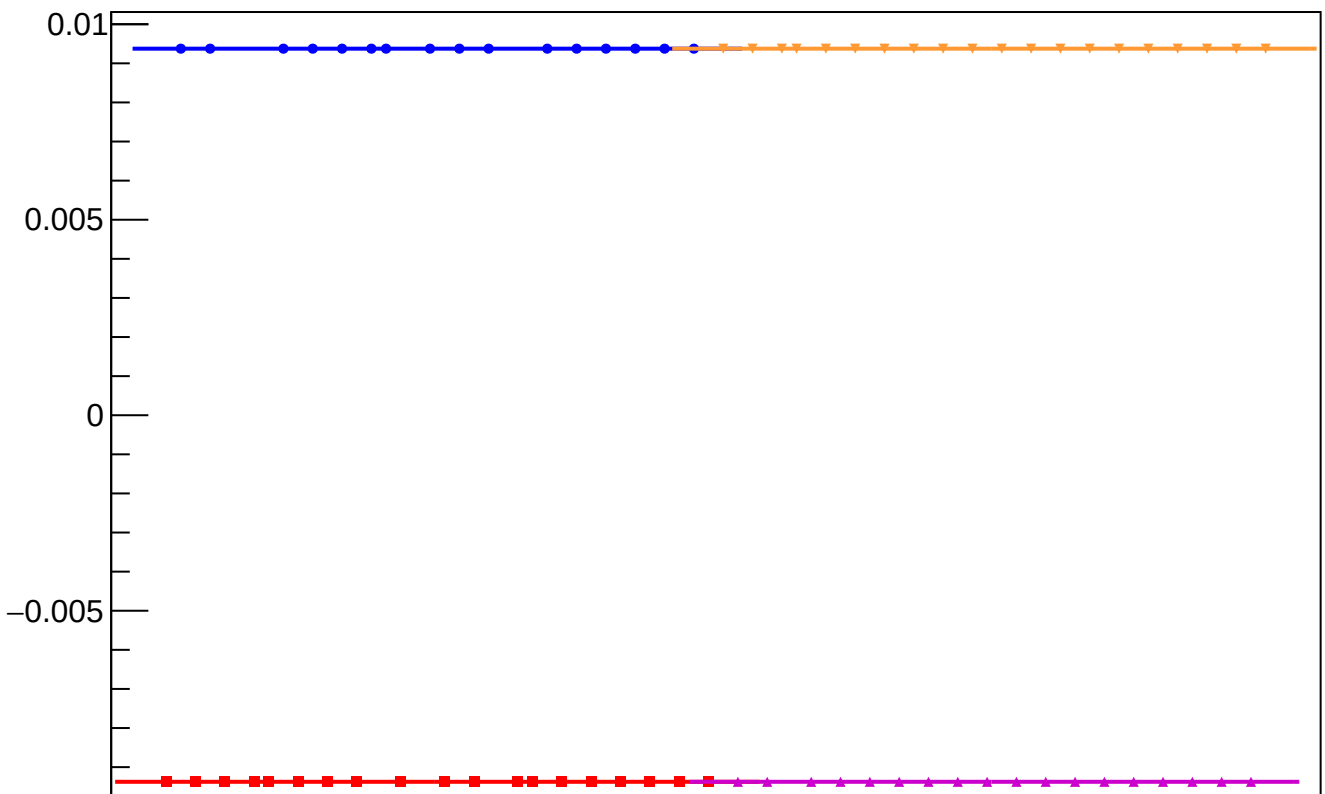
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41329931142378

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 280929638671874049

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41329931142378