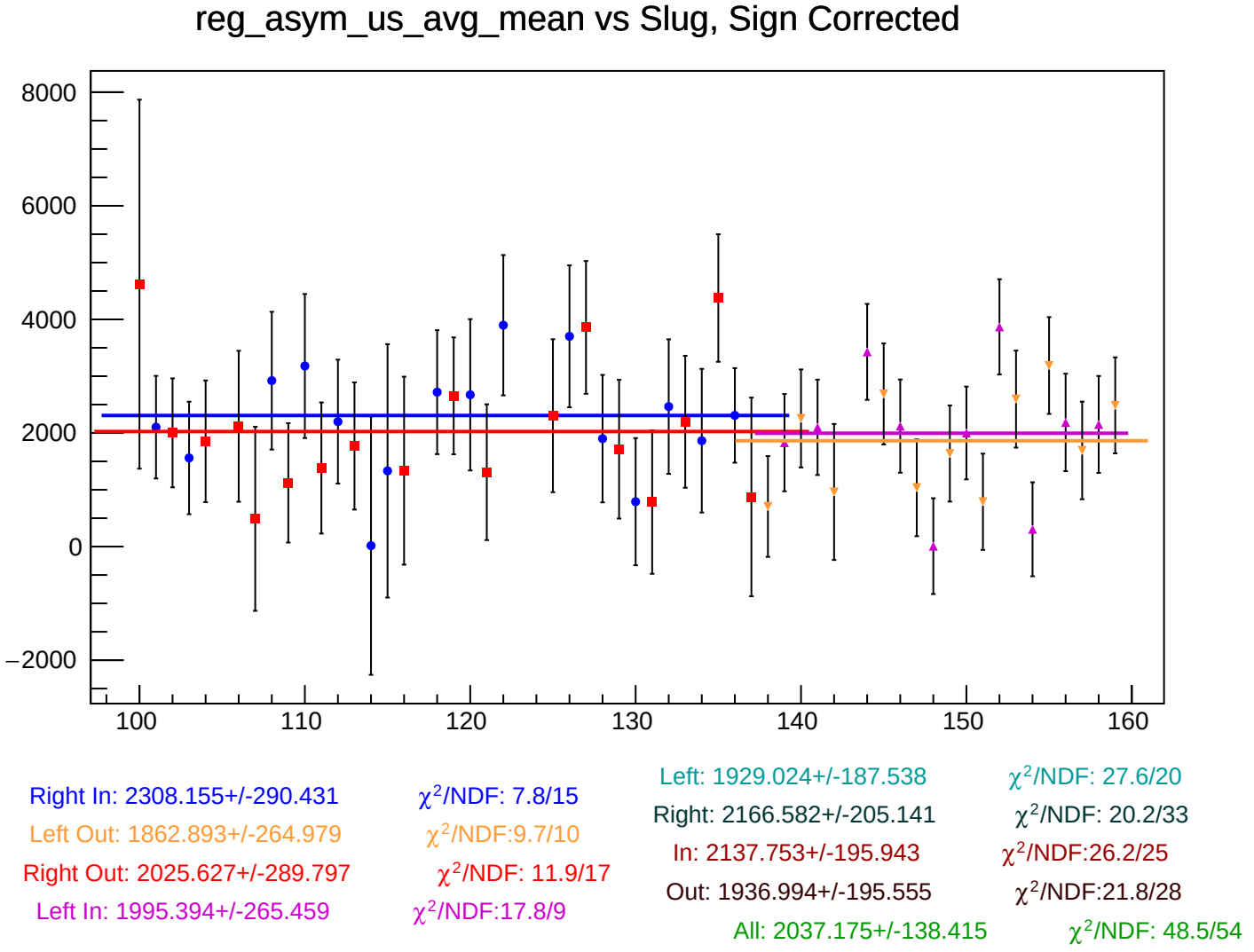
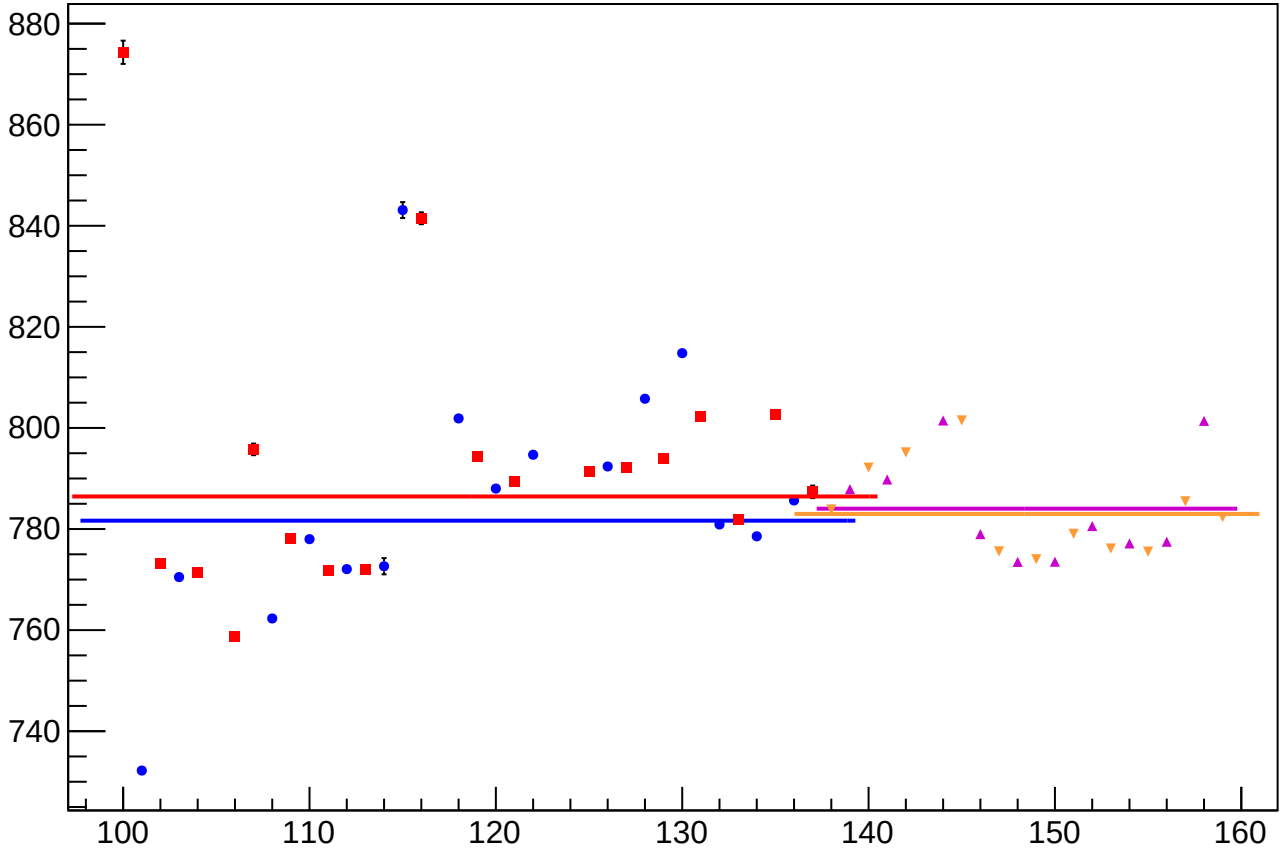

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1862.893+/-264.979
χ²/NDF:9.7/10
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1995.394+/-265.459
χ²/NDF:17.8/9
Left: 1929.024+/-187.538
χ²/NDF: 27.6/20
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2137.753+/-195.943
χ²/NDF:26.2/25
Out: 1936.994+/-195.555
χ²/NDF:21.8/28
All: 2037.175+/-138.415
χ²/NDF: 48.5/54

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.990+/-0.187 χ^2/NDF:2017.7/10

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

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

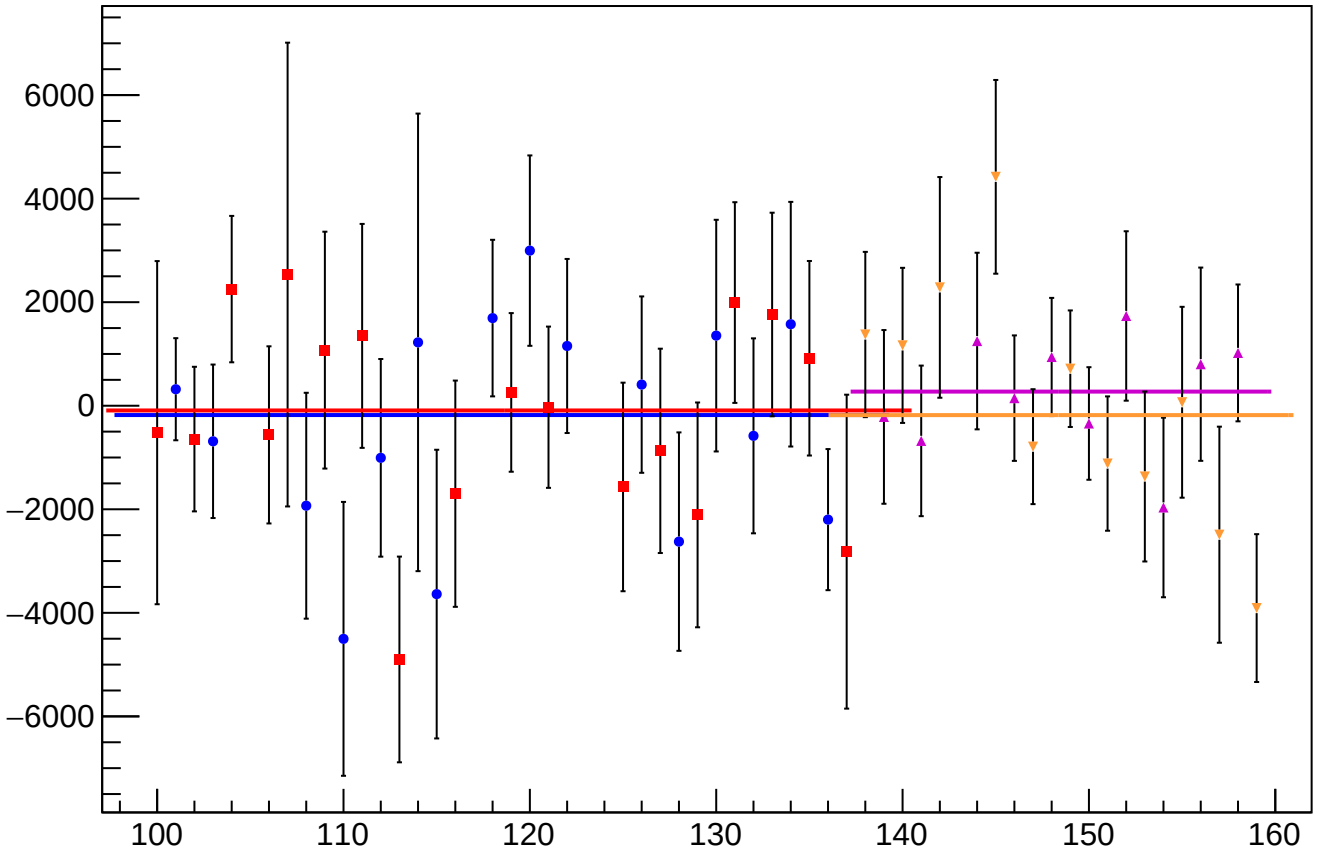
Left: 783.509+/-0.133 χ^2/NDF: 4856.1/20

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

In: 782.948+/-0.139 χ^2/NDF:15214.9/25

Out: 784.563+/-0.138 χ^2/NDF:9373.9/28

All: 783.757+/-0.098 χ^2/NDF: 24656.9/54



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

Left Out: -181.249+/-450.586 χ^2/NDF:19.2/10

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

Left In: 272.885+/-445.768 χ^2/NDF:4.4/9

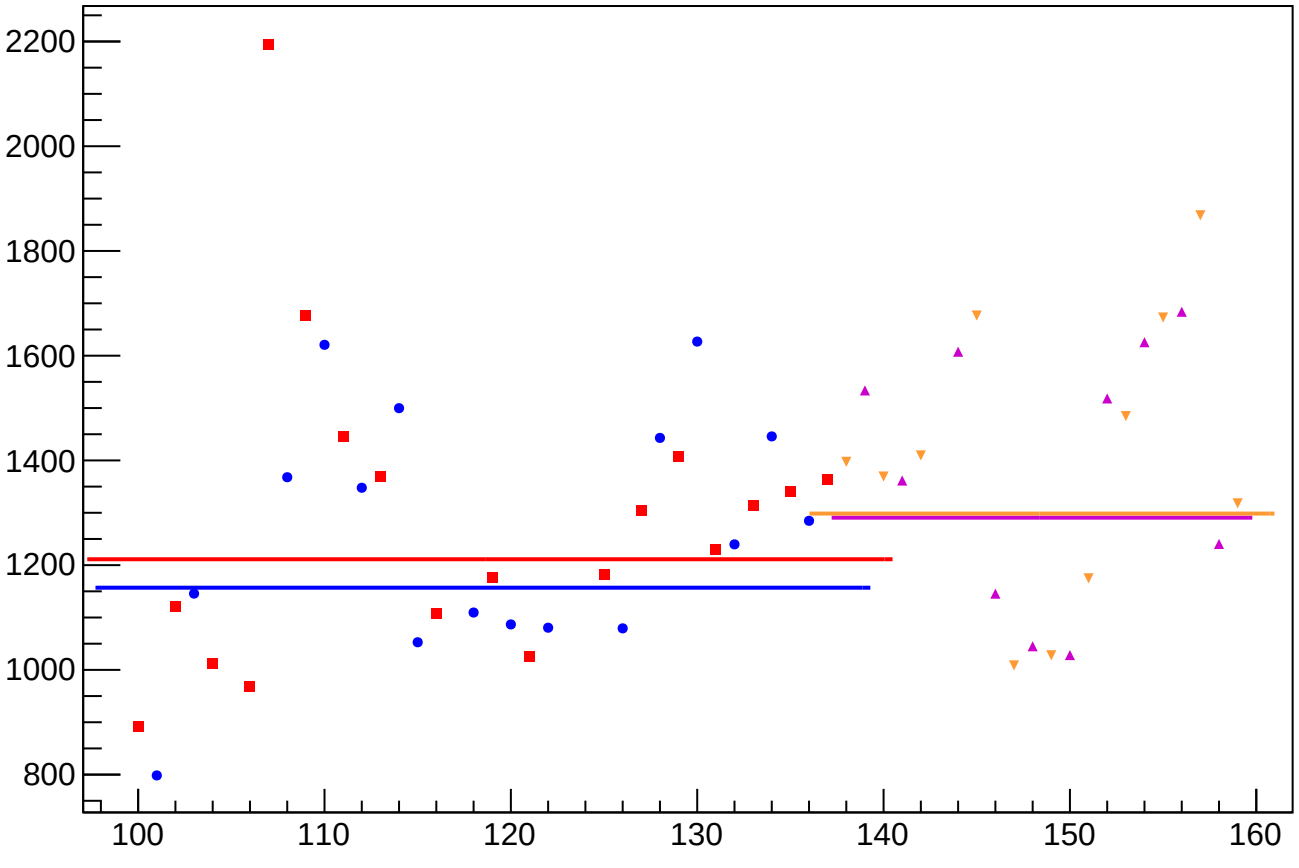
Left: 48.259+/-316.895 χ^2/NDF: 24.1/20

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

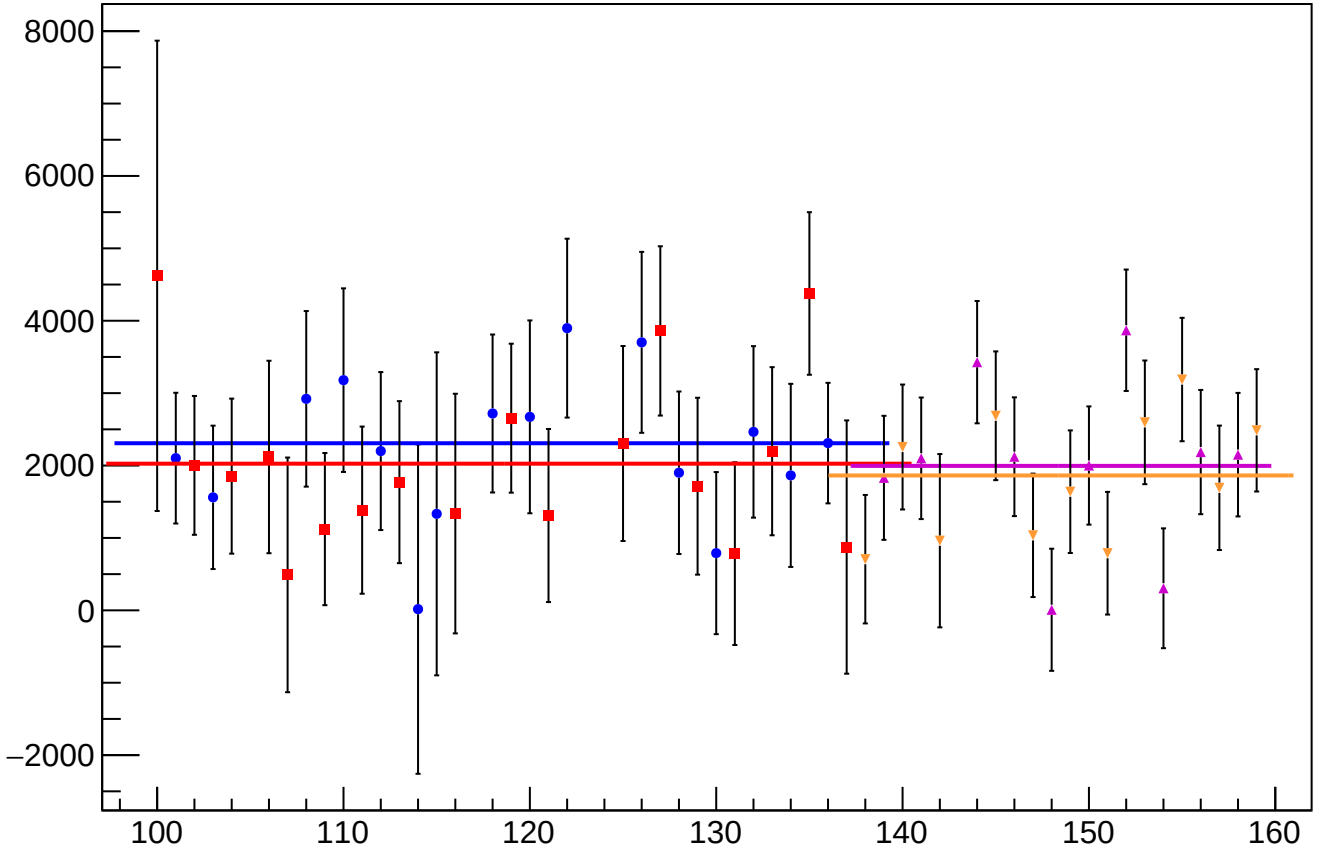
In: 43.926+/-313.424 χ^2/NDF:20.3/25

Out: -136.689+/-320.096 χ^2/NDF:34.4/28

All: -44.479+/-223.946 χ^2/NDF: 54.9/54


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1298.495+/-0.319 χ²/NDF:627308.4/10
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1290.690+/-0.315 χ²/NDF:558579.5/9
Left: 1294.550+/-0.224 χ²/NDF: 1186191.2/20
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1223.065+/-0.222 χ²/NDF:1218729.4/25
Out: 1255.286+/-0.226 χ²/NDF:1062151.8/28
All: 1238.837+/-0.158 χ²/NDF: 2291227.2/54

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1862.893+/-264.979 χ^2/NDF:9.7/10

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

Left In: 1995.394+/-265.459 χ^2/NDF:17.8/9

Left: 1929.024+/-187.538 χ^2/NDF: 27.6/20

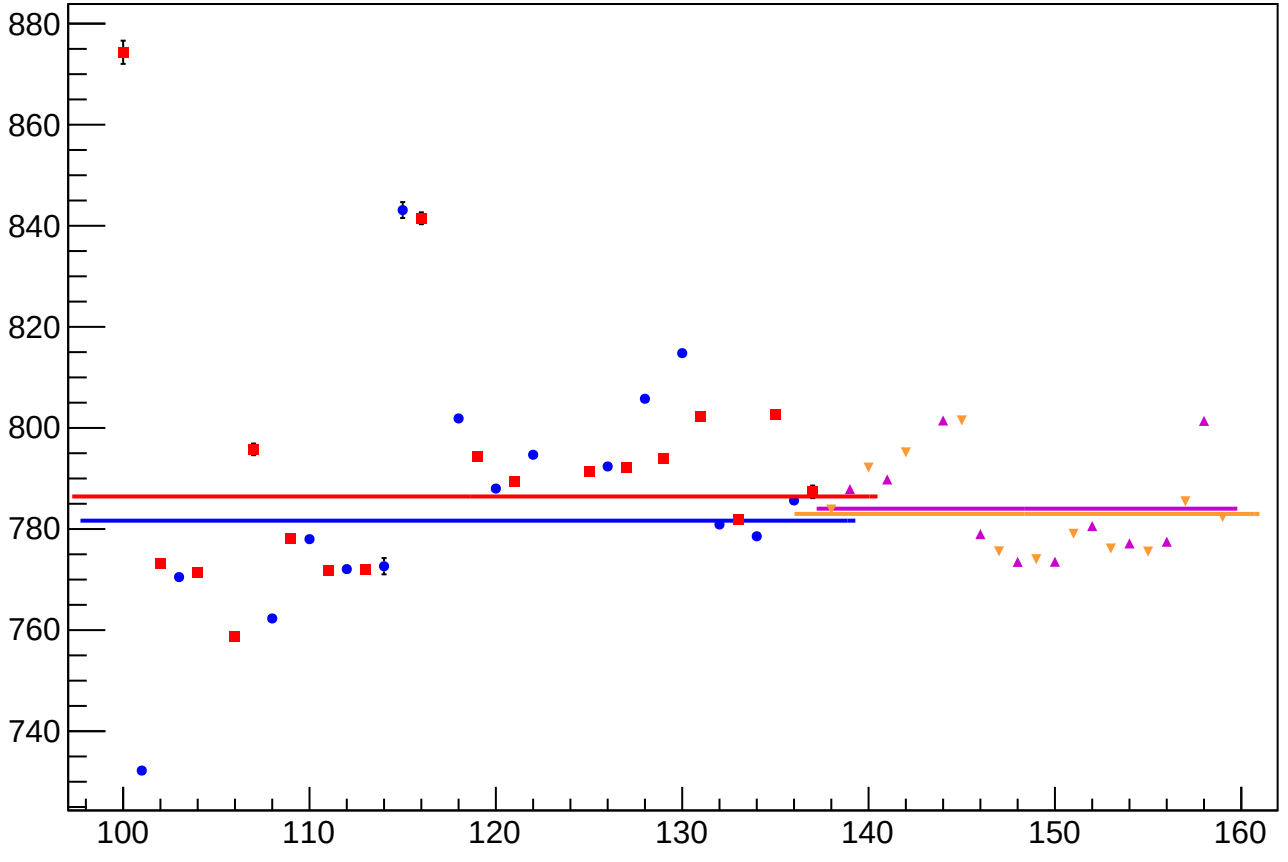
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2137.753+/-195.943 χ^2/NDF:26.2/25

Out: 1936.994+/-195.555 χ^2/NDF:21.8/28

All: 2037.175+/-138.415 χ^2/NDF: 48.5/54

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.990+/-0.187 χ^2/NDF:2017.7/10

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

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

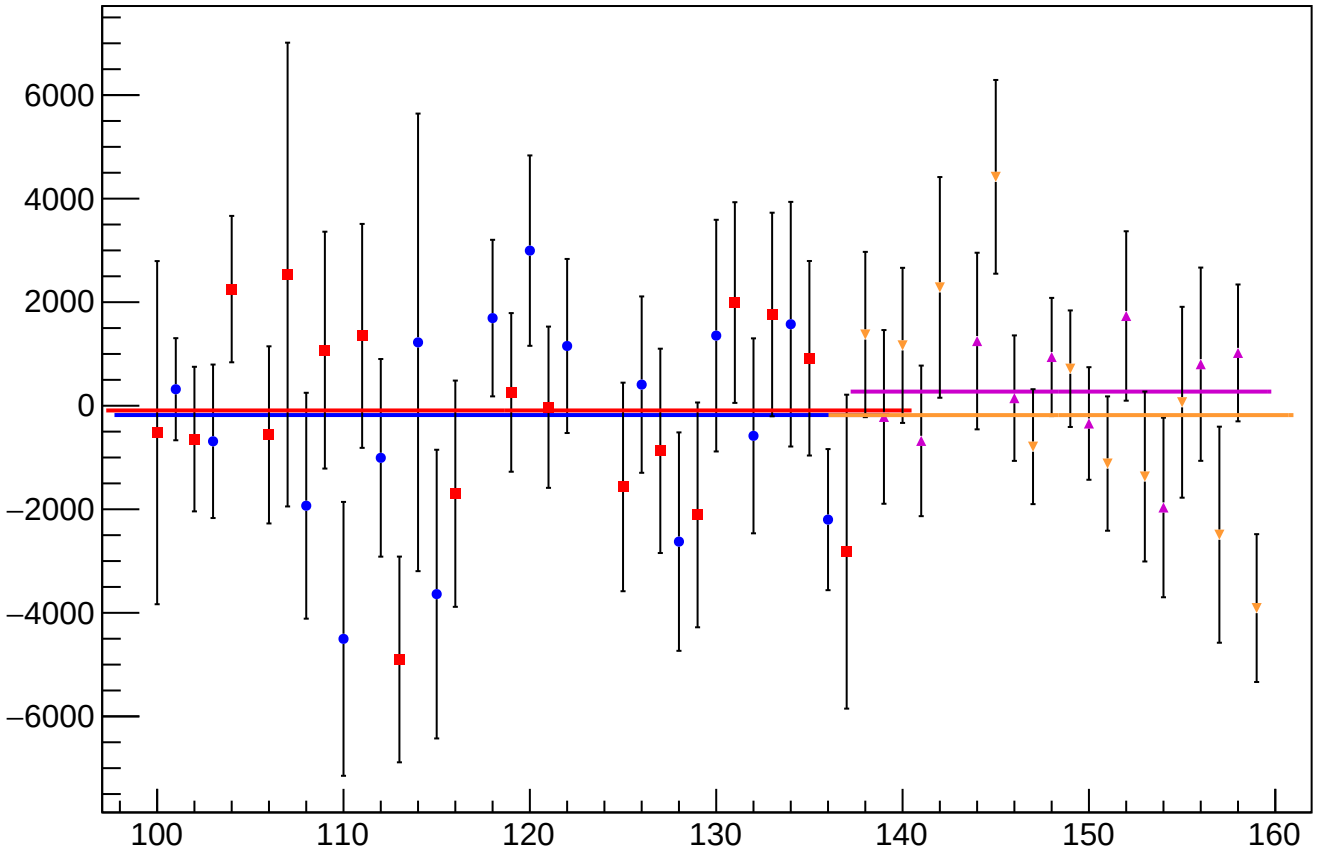
Left: 783.509+/-0.133 χ^2/NDF: 4856.1/20

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

In: 782.948+/-0.139 χ^2/NDF:15214.9/25

Out: 784.563+/-0.138 χ^2/NDF:9373.9/28

All: 783.757+/-0.098 χ^2/NDF: 24656.9/54



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

Left Out: -181.249+/-450.586 χ^2/NDF:19.2/10

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

Left In: 272.885+/-445.768 χ^2/NDF:4.4/9

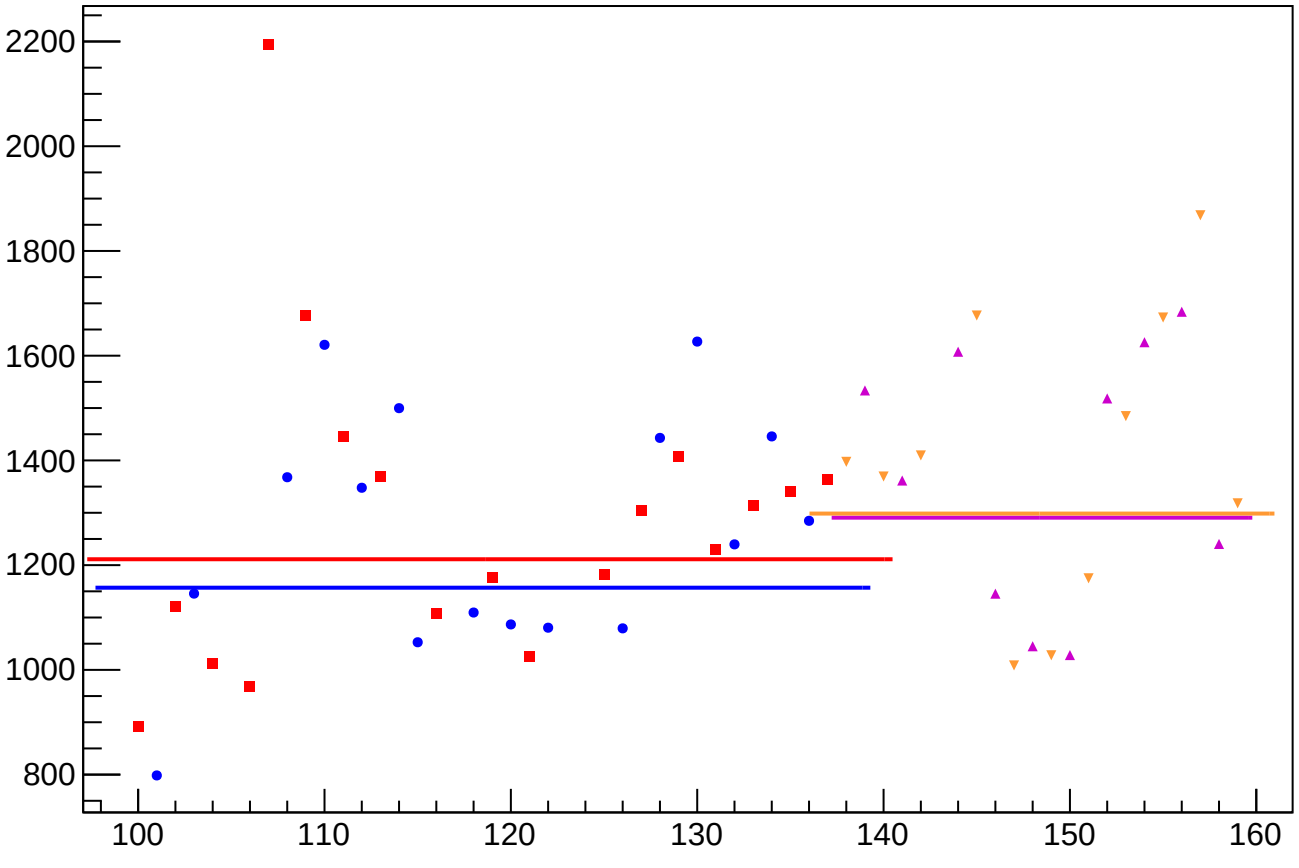
Left: 48.259+/-316.895 χ^2/NDF: 24.1/20

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

In: 43.926+/-313.424 χ^2/NDF:20.3/25

Out: -136.689+/-320.096 χ^2/NDF:34.4/28

All: -44.479+/-223.946 χ^2/NDF: 54.9/54



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

Left Out: 1298.495+/-0.319 χ^2/NDF:627308.4/10

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

Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

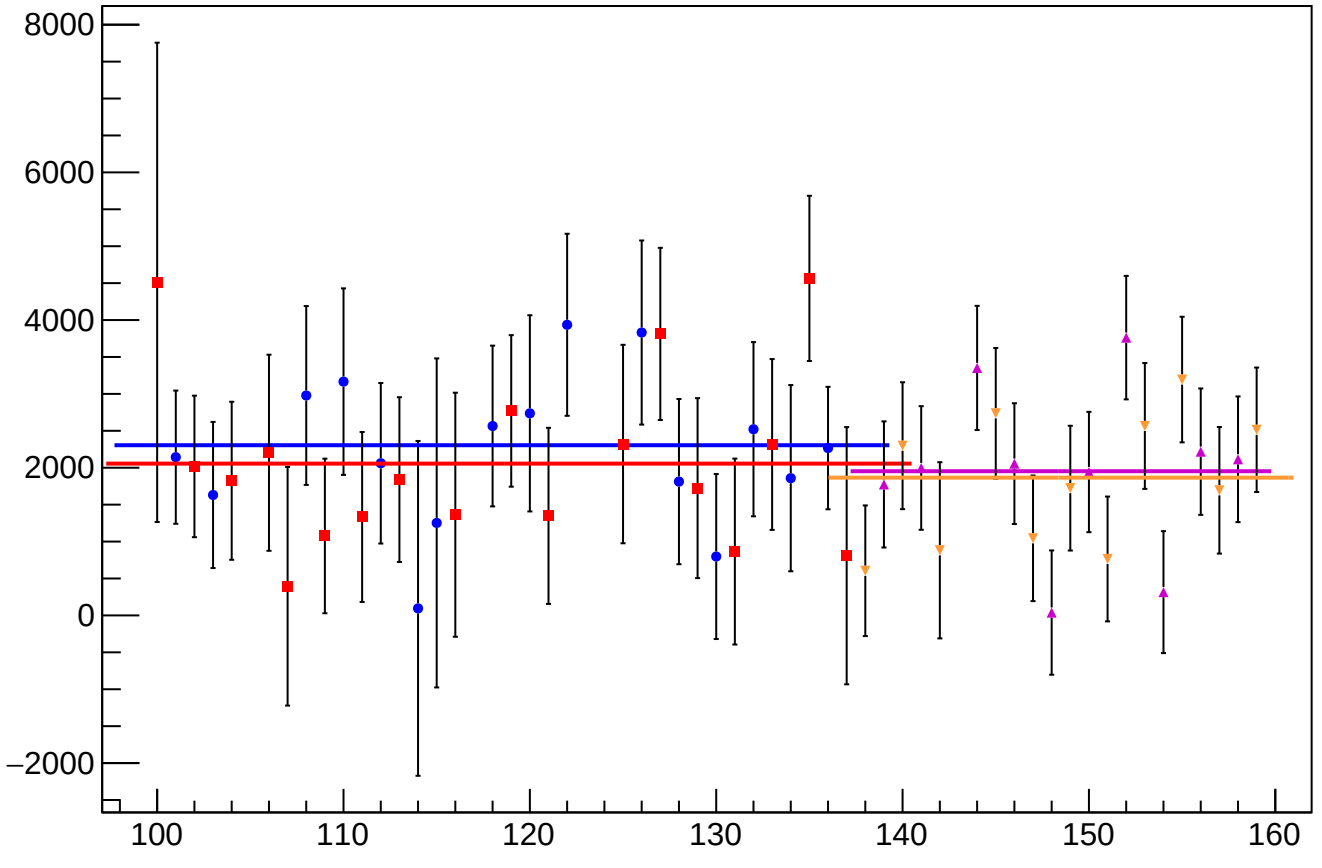
Left: 1294.550+/-0.224 χ^2/NDF: 1186191.2/20

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

In: 1223.065+/-0.222 χ^2/NDF:1218729.4/25

Out: 1255.286+/-0.226 χ^2/NDF:1062151.8/28

All: 1238.837+/-0.158 χ^2/NDF: 2291227.2/54



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

Left Out: 1865.808+/-264.254 χ^2/NDF:10.3/10

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

Left In: 1952.695+/-264.765 χ^2/NDF:16.7/9

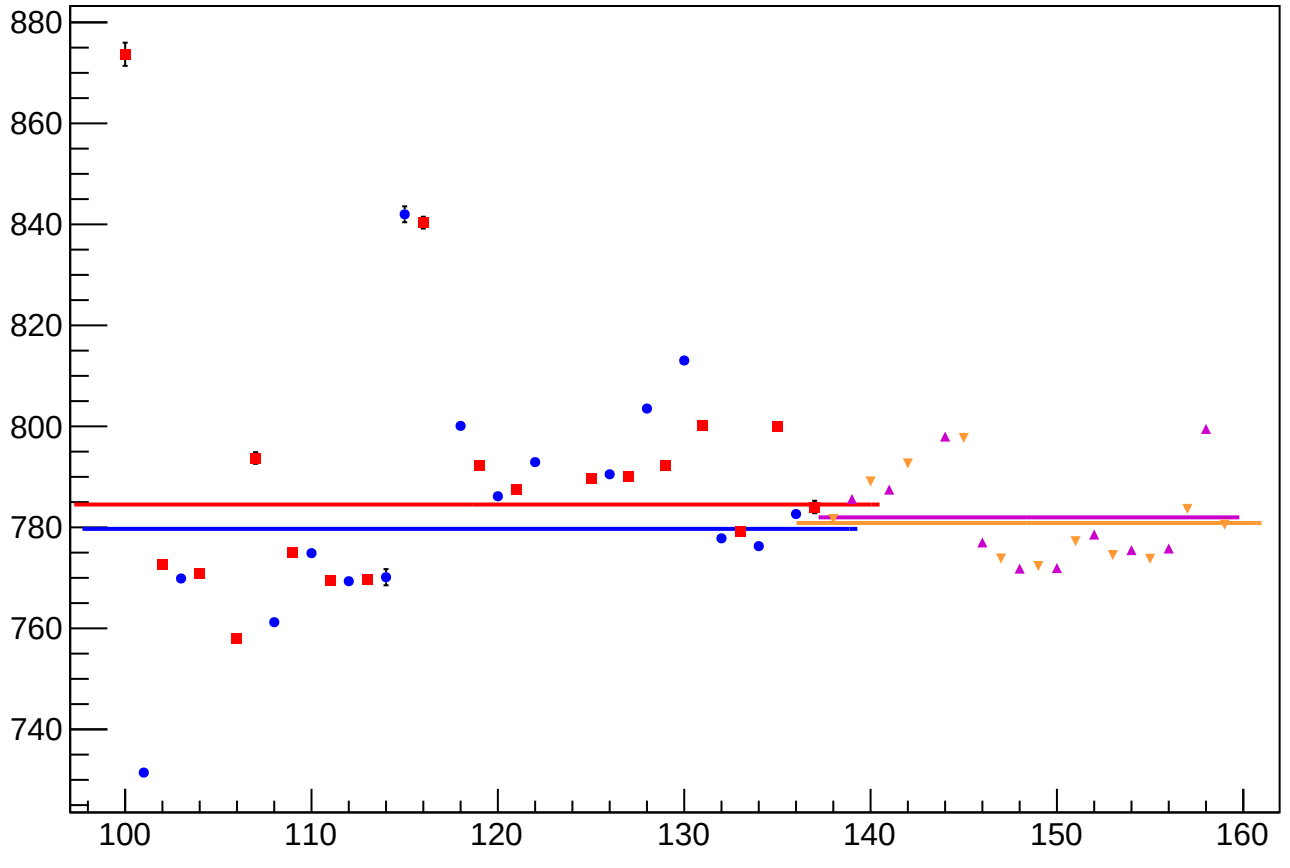
Left: 1909.167+/-187.036 χ^2/NDF: 27.1/20

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

In: 2112.966+/-195.440 χ^2/NDF:25.6/25

Out: 1952.233+/-195.046 χ^2/NDF:23.4/28

All: 2032.437+/-138.057 χ^2/NDF: 49.4/54



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

Left Out: 780.861+/-0.187 χ^2/NDF:1753.2/10

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

Left In: 781.985+/-0.187 χ^2/NDF:2621.5/9

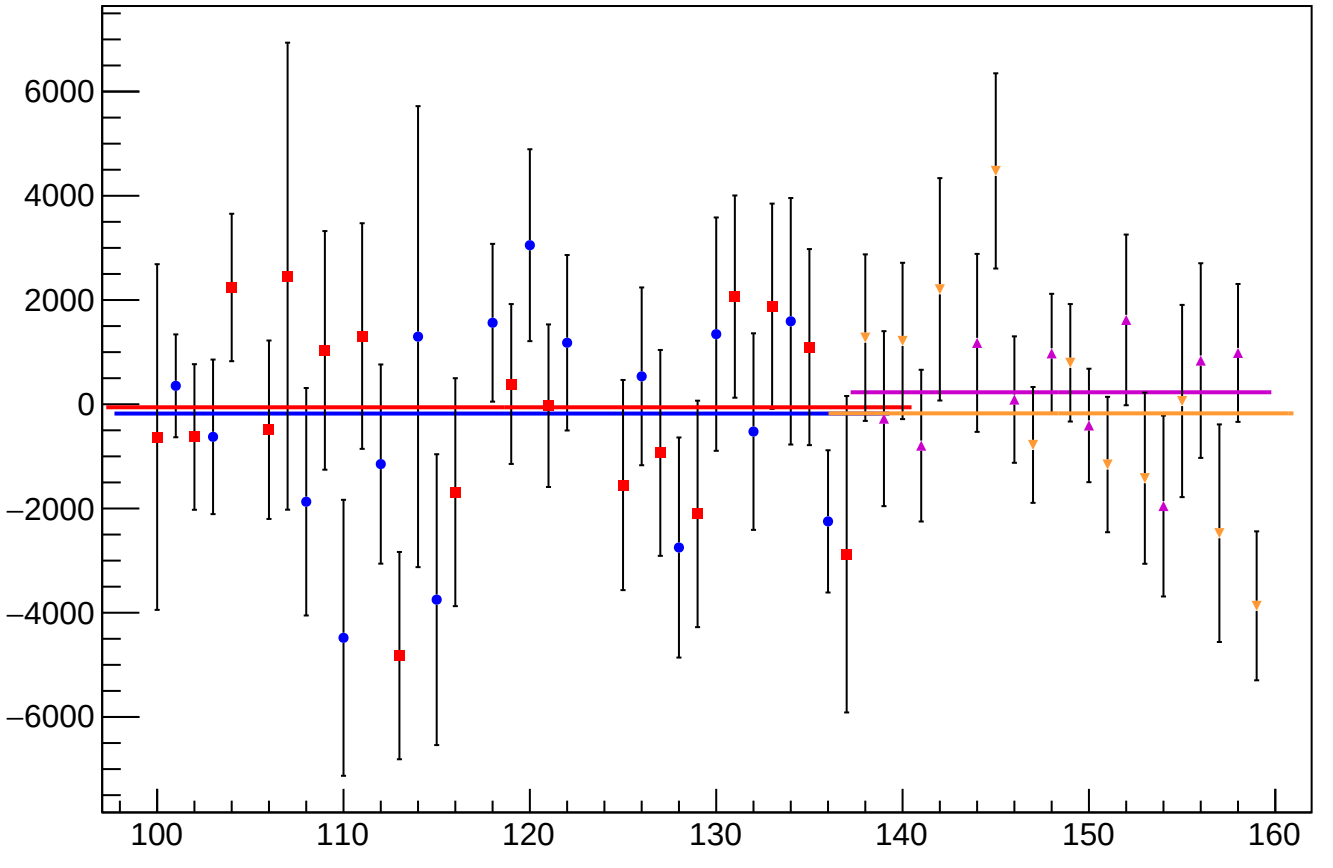
Left: 781.421+/-0.132 χ^2/NDF: 4392.8/20

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

In: 780.946+/-0.138 χ^2/NDF:14749.4/25

Out: 782.528+/-0.138 χ^2/NDF:9088.3/28

All: 781.739+/-0.098 χ^2/NDF: 23903.4/54



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

Left Out: -174.728+/-451.047 χ^2/NDF:19.2/10

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

Left In: 230.018+/-446.200 χ^2/NDF:4.4/9

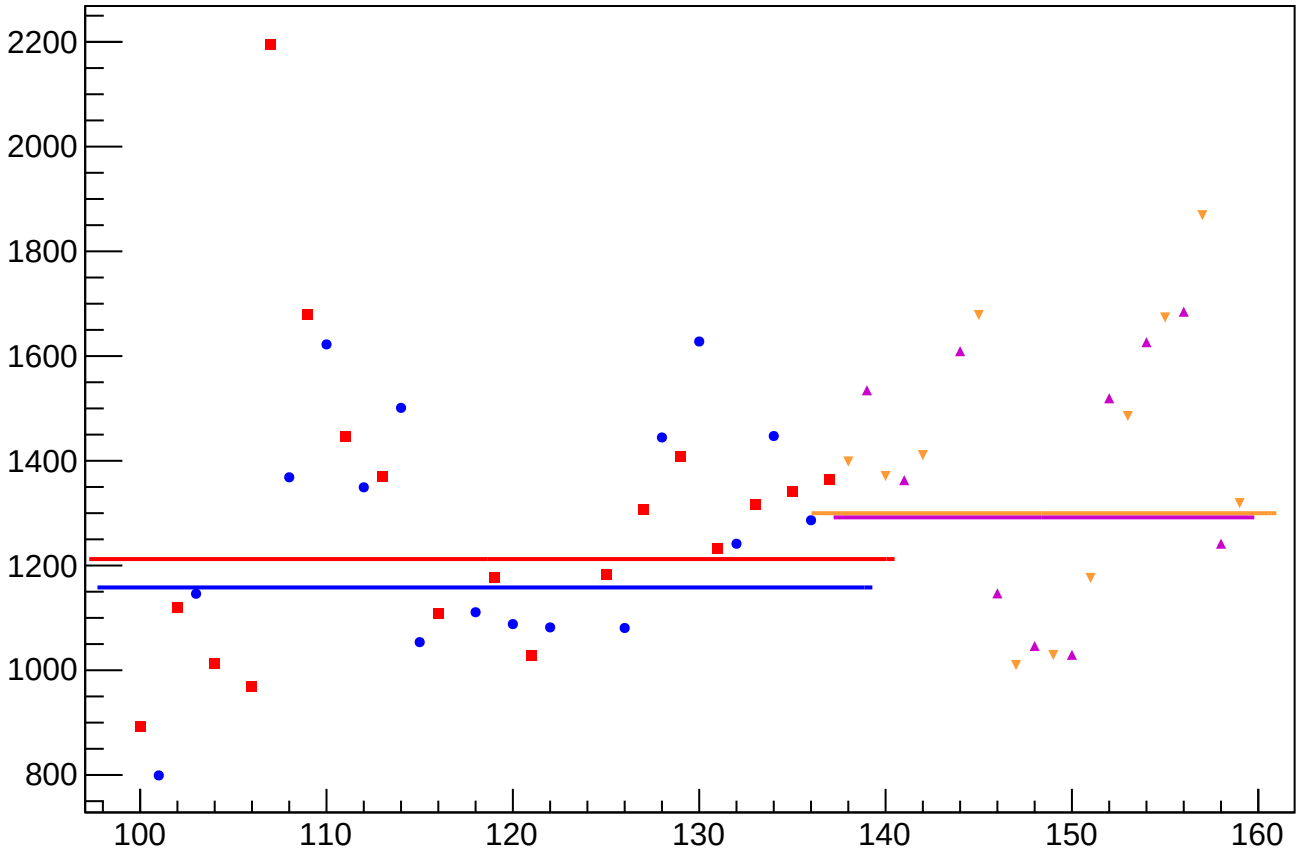
Left: 29.831+/-317.211 χ^2/NDF: 24.0/20

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

In: 23.487+/-313.735 χ^2/NDF:20.5/25

Out: -116.921+/-320.402 χ^2/NDF:34.5/28

All: -45.241+/-224.164 χ^2/NDF: 55.1/54



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

Left Out: 1299.900+/-0.319 χ^2/NDF:625825.3/10

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

Left In: 1291.996+/-0.316 χ^2/NDF:557348.4/9

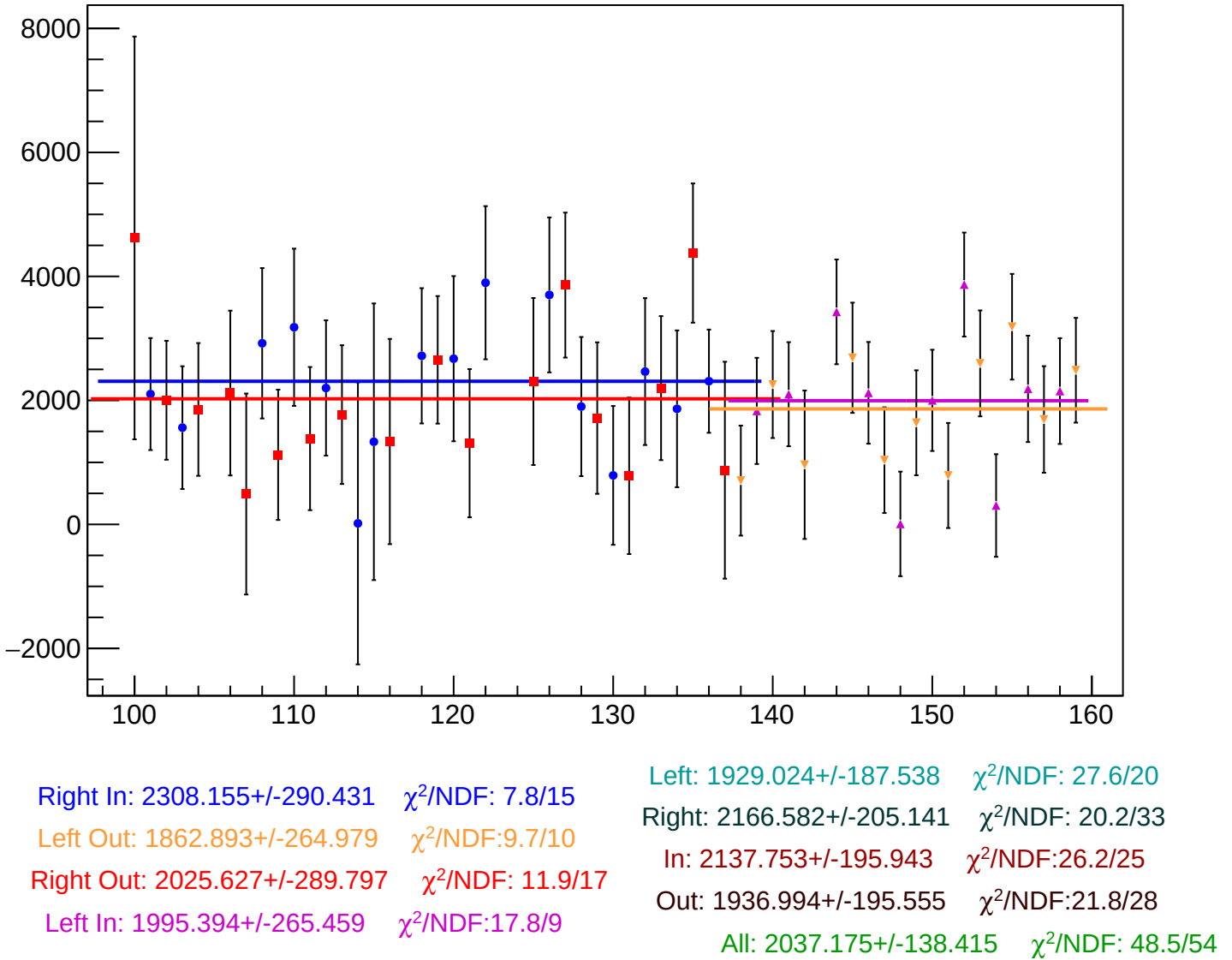
Left: 1295.906+/-0.224 χ^2/NDF: 1183484.1/20

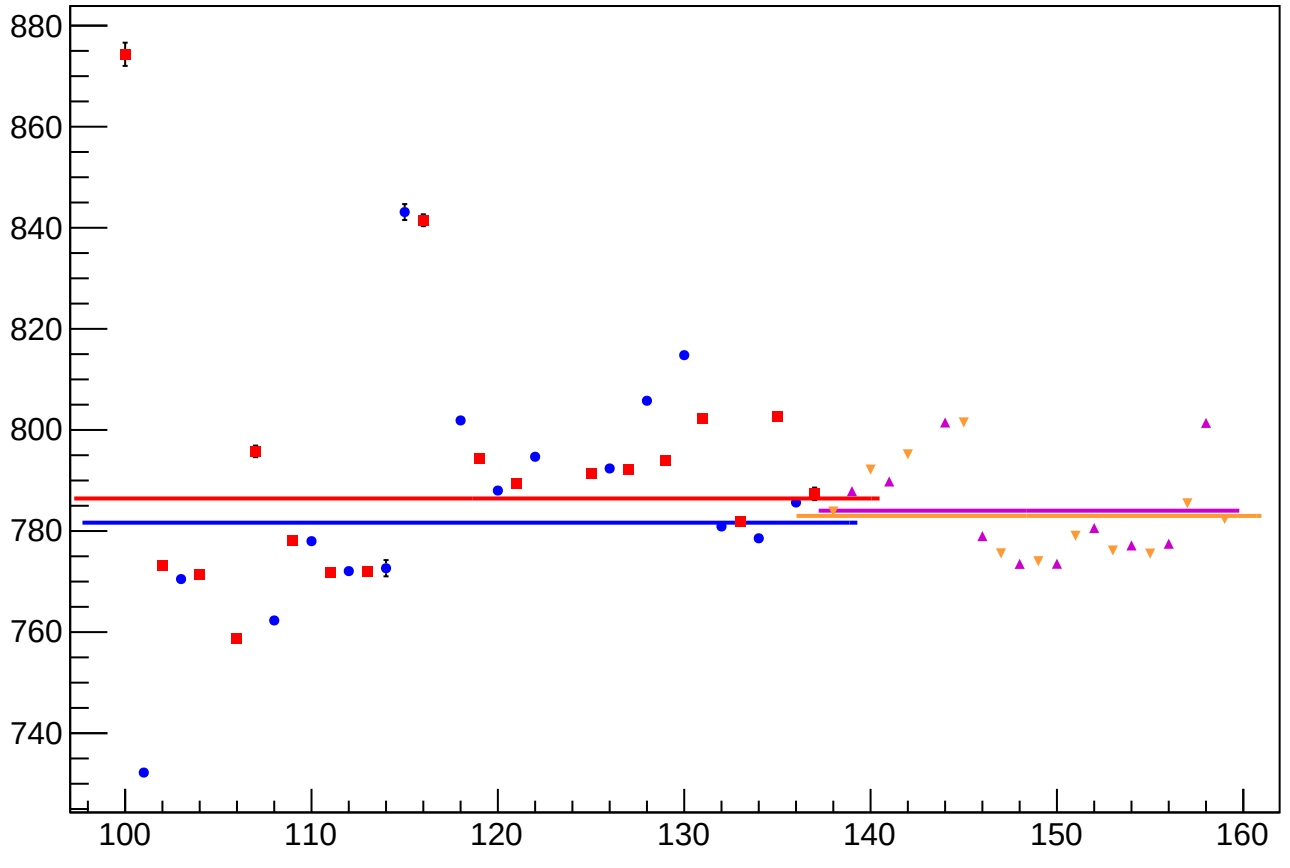
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1224.313+/-0.222 χ^2/NDF:1217507.8/25

Out: 1256.526+/-0.227 χ^2/NDF:1061096.3/28

All: 1240.081+/-0.159 χ^2/NDF: 2288924.6/54


eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1862.893+/-264.979 χ²/NDF:9.7/10
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 1995.394+/-265.459 χ²/NDF:17.8/9
Left: 1929.024+/-187.538 χ²/NDF: 27.6/20
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2137.753+/-195.943 χ²/NDF:26.2/25
Out: 1936.994+/-195.555 χ²/NDF:21.8/28
All: 2037.175+/-138.415 χ²/NDF: 48.5/54



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

Left Out: 782.990+/-0.187 χ^2/NDF:2017.7/10

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

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

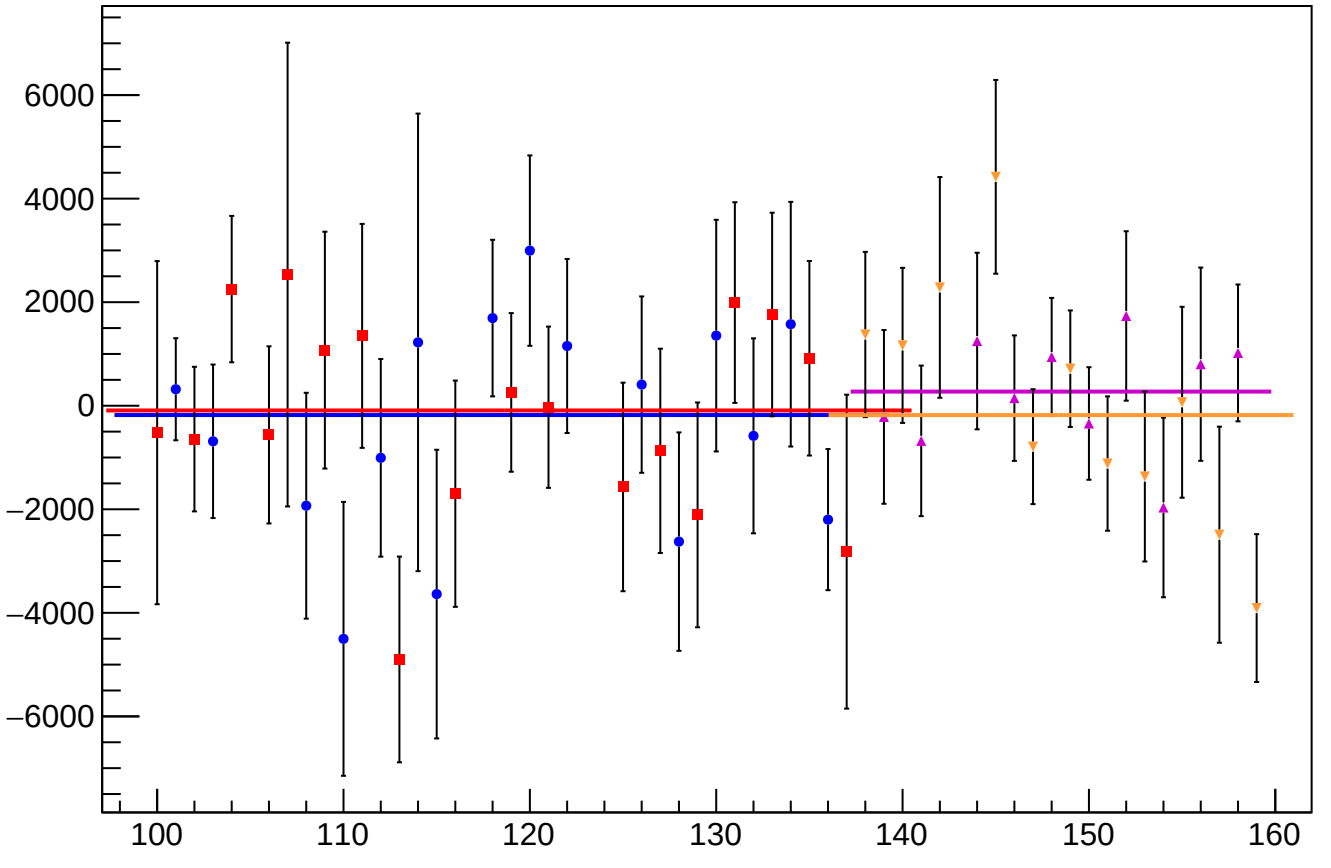
Left: 783.509+/-0.133 χ^2/NDF: 4856.1/20

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

In: 782.948+/-0.139 χ^2/NDF:15214.9/25

Out: 784.563+/-0.138 χ^2/NDF:9373.9/28

All: 783.757+/-0.098 χ^2/NDF: 24656.9/54



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

Left Out: -181.249+/-450.586 χ^2/NDF:19.2/10

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

Left In: 272.885+/-445.768 χ^2/NDF:4.4/9

Left: 48.259+/-316.895 χ^2/NDF: 24.1/20

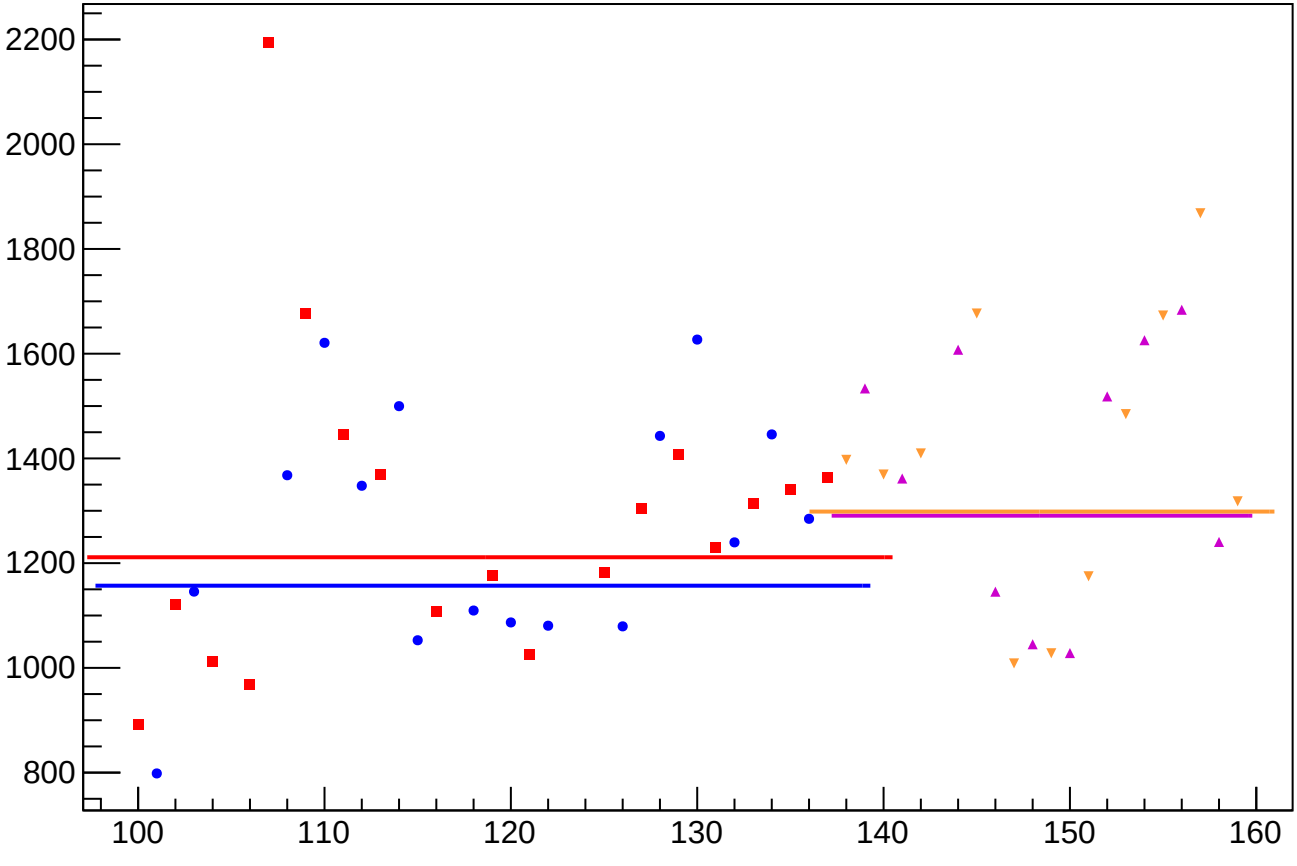
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 43.926+/-313.424 χ^2/NDF:20.3/25

Out: -136.689+/-320.096 χ^2/NDF:34.4/28

All: -44.479+/-223.946 χ^2/NDF: 54.9/54

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: 1298.495+/-0.319 χ^2/NDF:627308.4/10

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

Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

Left: 1294.550+/-0.224 χ^2/NDF: 1186191.2/20

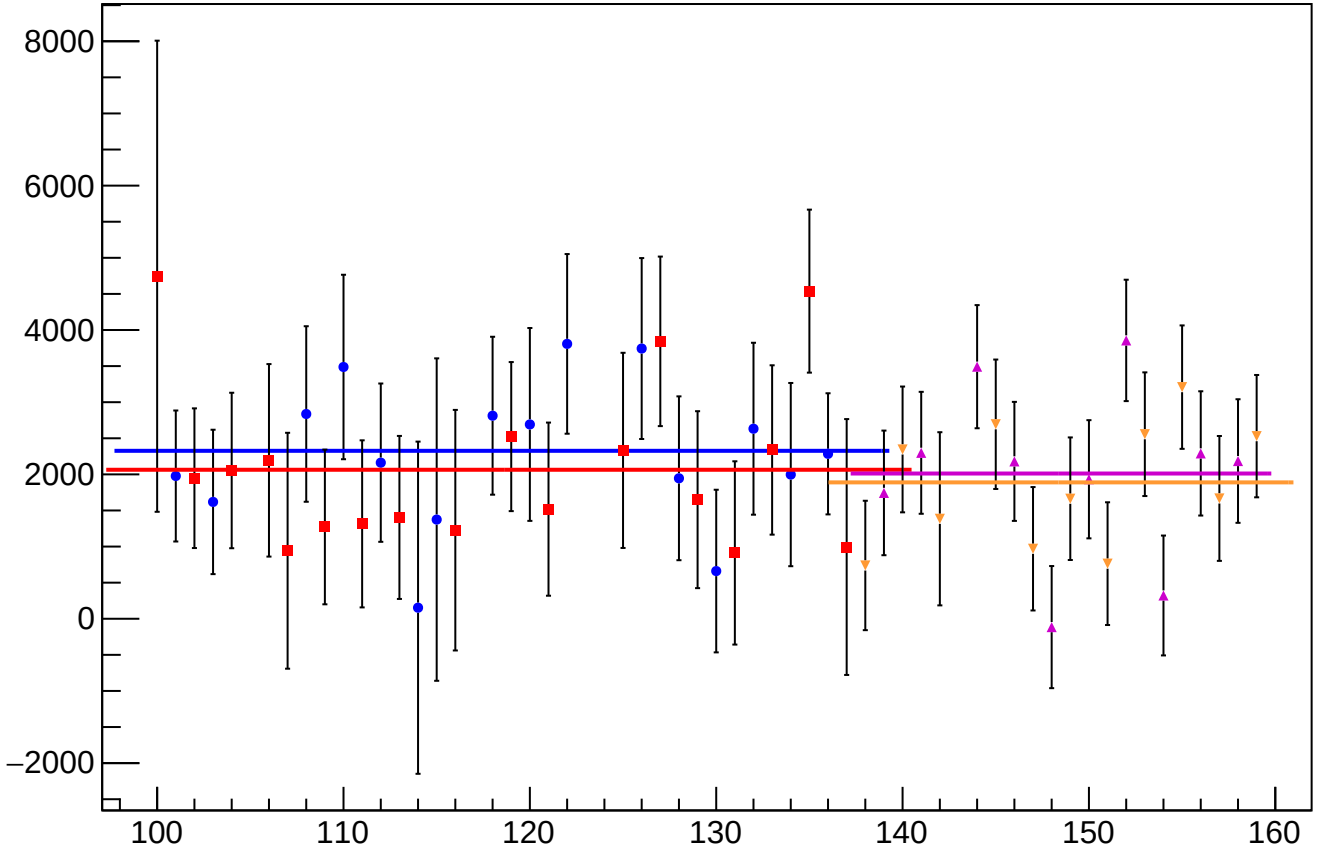
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1223.065+/-0.222 χ^2/NDF:1218729.4/25

Out: 1255.286+/-0.226 χ^2/NDF:1062151.8/28

All: 1238.837+/-0.158 χ^2/NDF: 2291227.2/54

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1889.070+/-266.301 χ^2/NDF:9.5/10

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

Left In: 2011.940+/-266.692 χ^2/NDF:18.7/9

Left: 1950.415+/-188.441 χ^2/NDF: 28.3/20

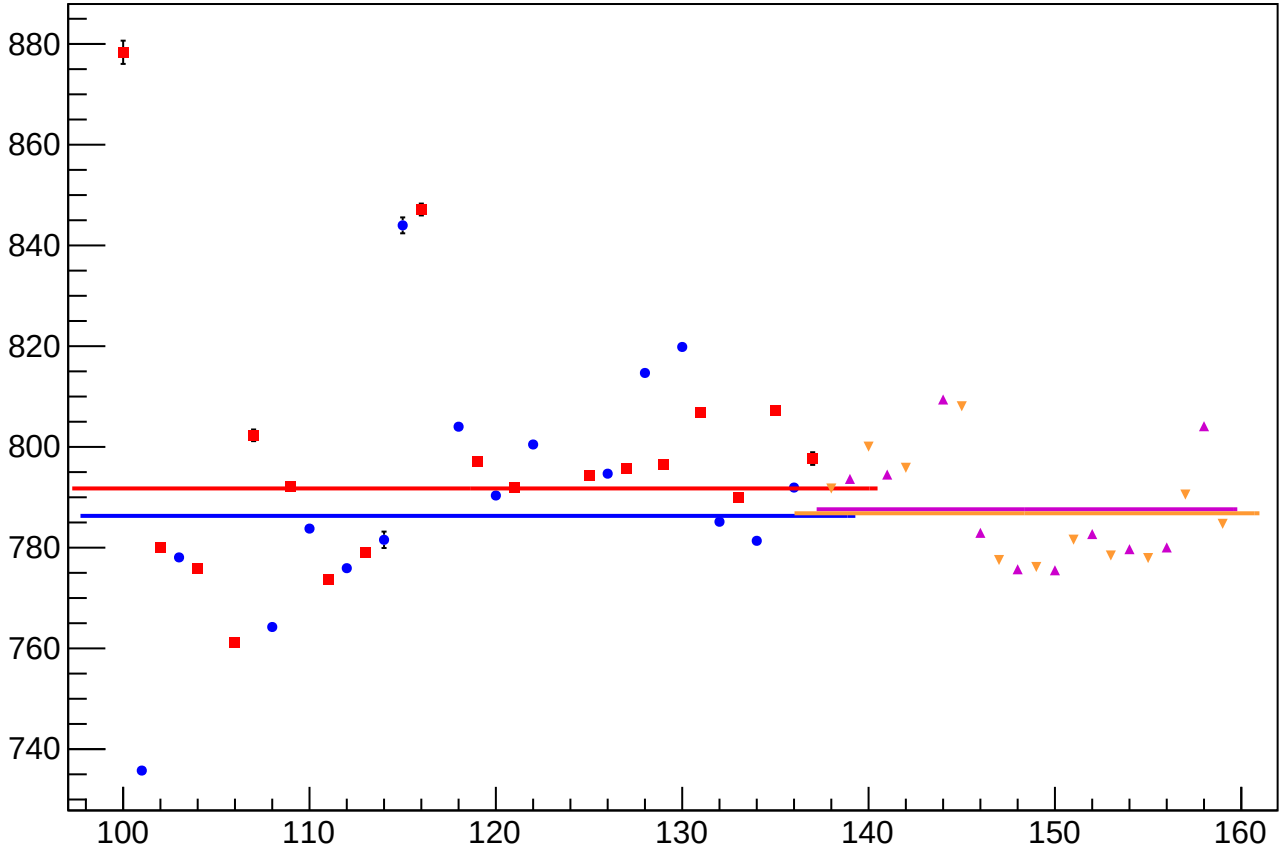
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2154.874+/-196.974 χ^2/NDF:27.5/25

Out: 1968.551+/-196.698 χ^2/NDF:21.3/28

All: 2061.582+/-139.184 χ^2/NDF: 49.3/54

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 786.823+/-0.188 χ^2/NDF:2841.3/10

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

Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

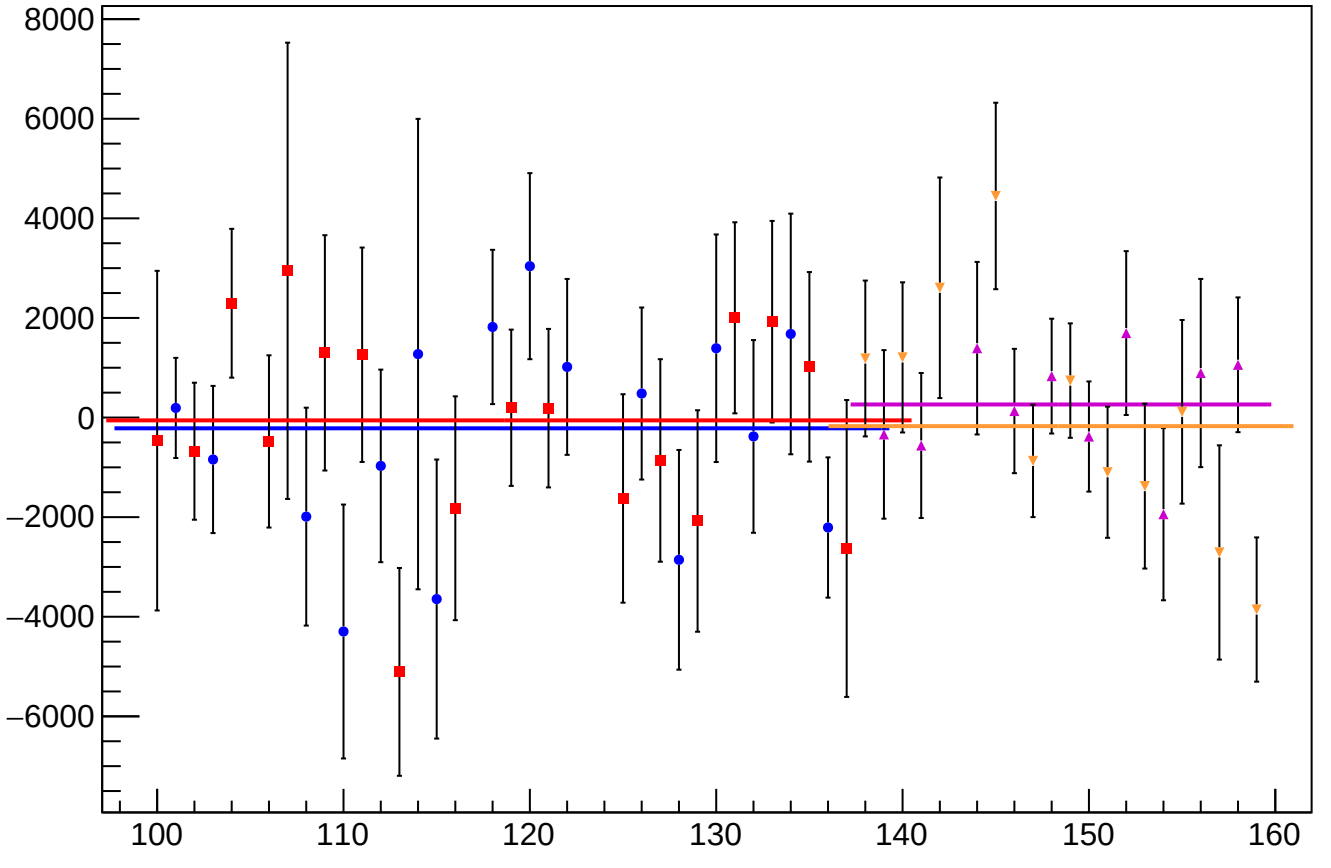
Left: 787.220+/-0.133 χ^2/NDF: 6432.6/20

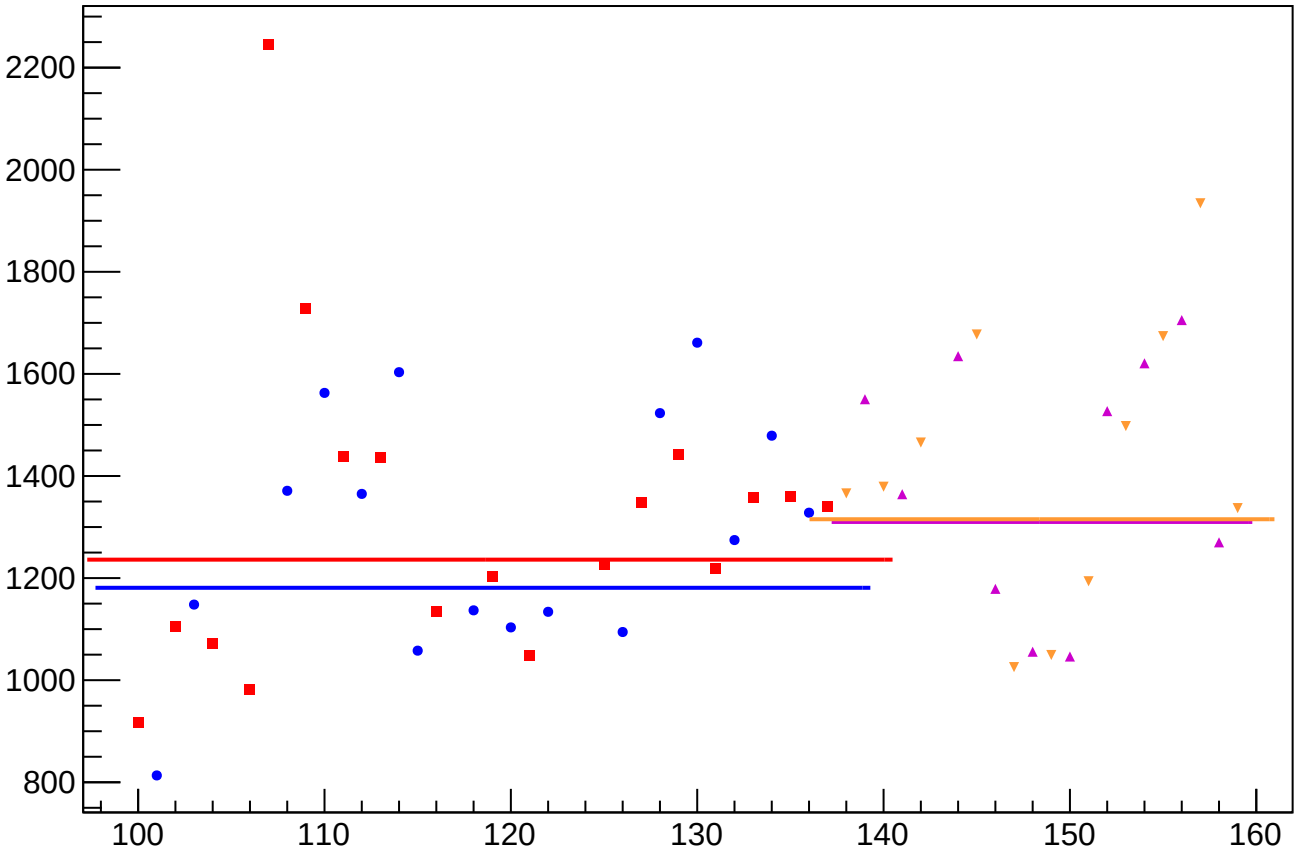
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

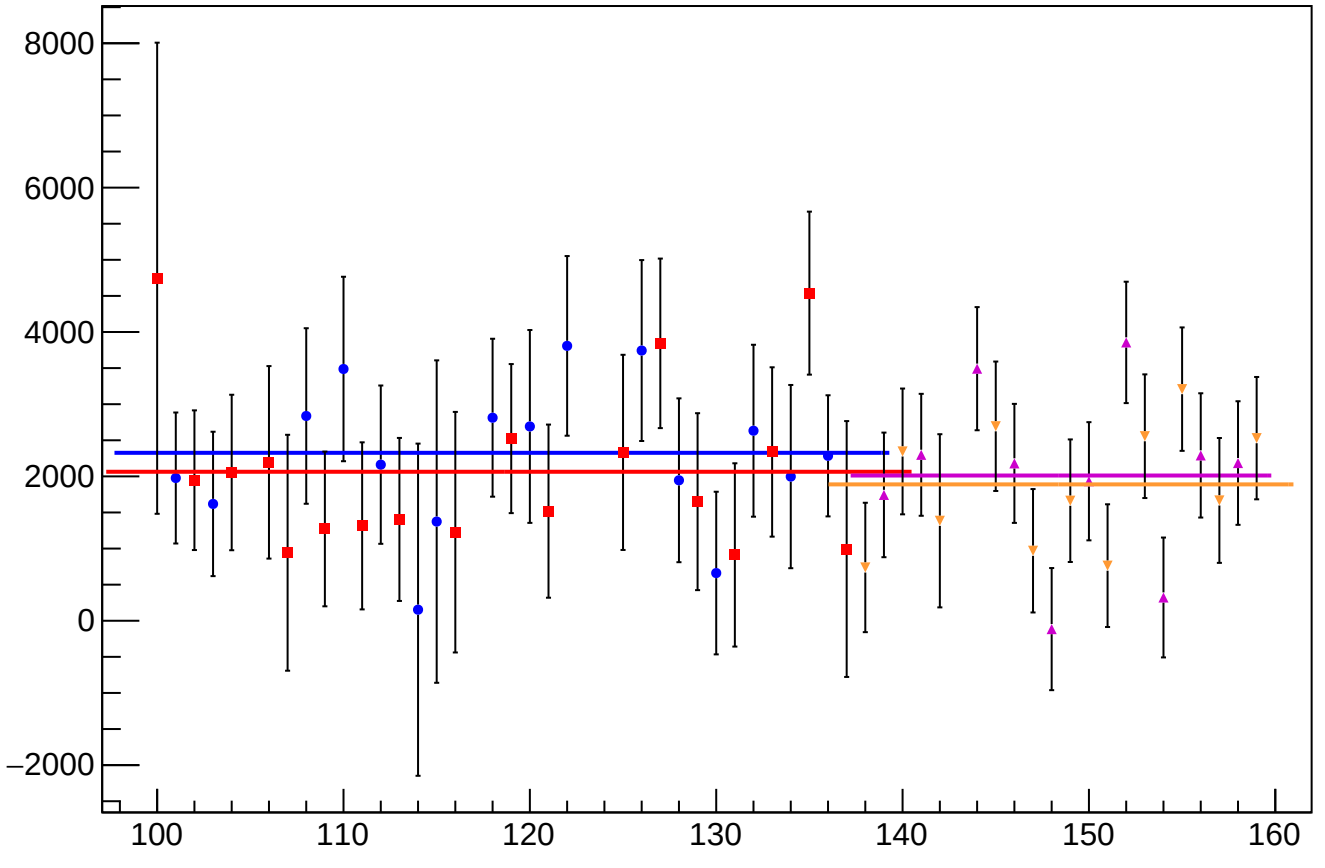
In: 787.023+/-0.139 χ^2/NDF:16175.4/25

Out: 789.065+/-0.139 χ^2/NDF:10168.2/28

All: 788.046+/-0.098 χ^2/NDF: 26451.2/54


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
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -172.756+/-456.004 χ²/NDF:19.2/10
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 262.582+/-451.906 χ²/NDF:4.3/9
Left: 46.878+/-320.985 χ²/NDF: 23.9/20
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 21.941+/-318.705 χ²/NDF:20.2/25
Out: -115.775+/-325.226 χ²/NDF:34.3/28
All: -45.523+/-227.629 χ²/NDF: 54.6/54


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1315.286+/-0.322 χ²/NDF:611657.4/10
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1309.999+/-0.320 χ²/NDF:535255.5/9
Left: 1312.618+/-0.227 χ²/NDF: 1147048.5/20
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1245.159+/-0.225 χ²/NDF:1188279.0/25
Out: 1276.396+/-0.230 χ²/NDF:1038506.0/28
All: 1260.461+/-0.161 χ²/NDF: 2236196.6/54



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

Left Out: 1889.067+/-266.301 χ^2/NDF:9.5/10

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

Left In: 2011.941+/-266.692 χ^2/NDF:18.7/9

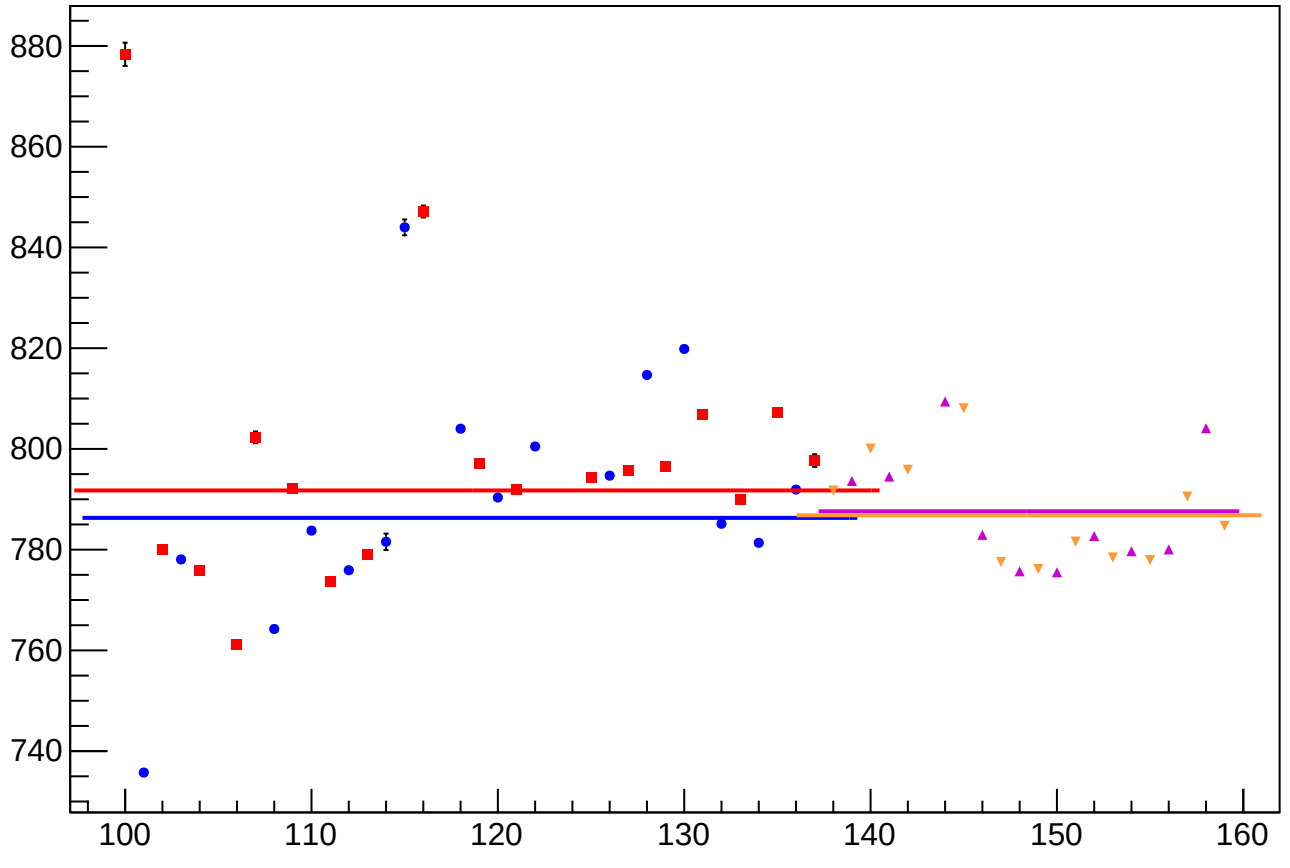
Left: 1950.414+/-188.441 χ^2/NDF: 28.3/20

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

In: 2154.875+/-196.974 χ^2/NDF:27.5/25

Out: 1968.549+/-196.698 χ^2/NDF:21.3/28

All: 2061.581+/-139.184 χ^2/NDF: 49.3/54



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

Left Out: 786.823+/-0.188 χ^2/NDF:2841.3/10

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

Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

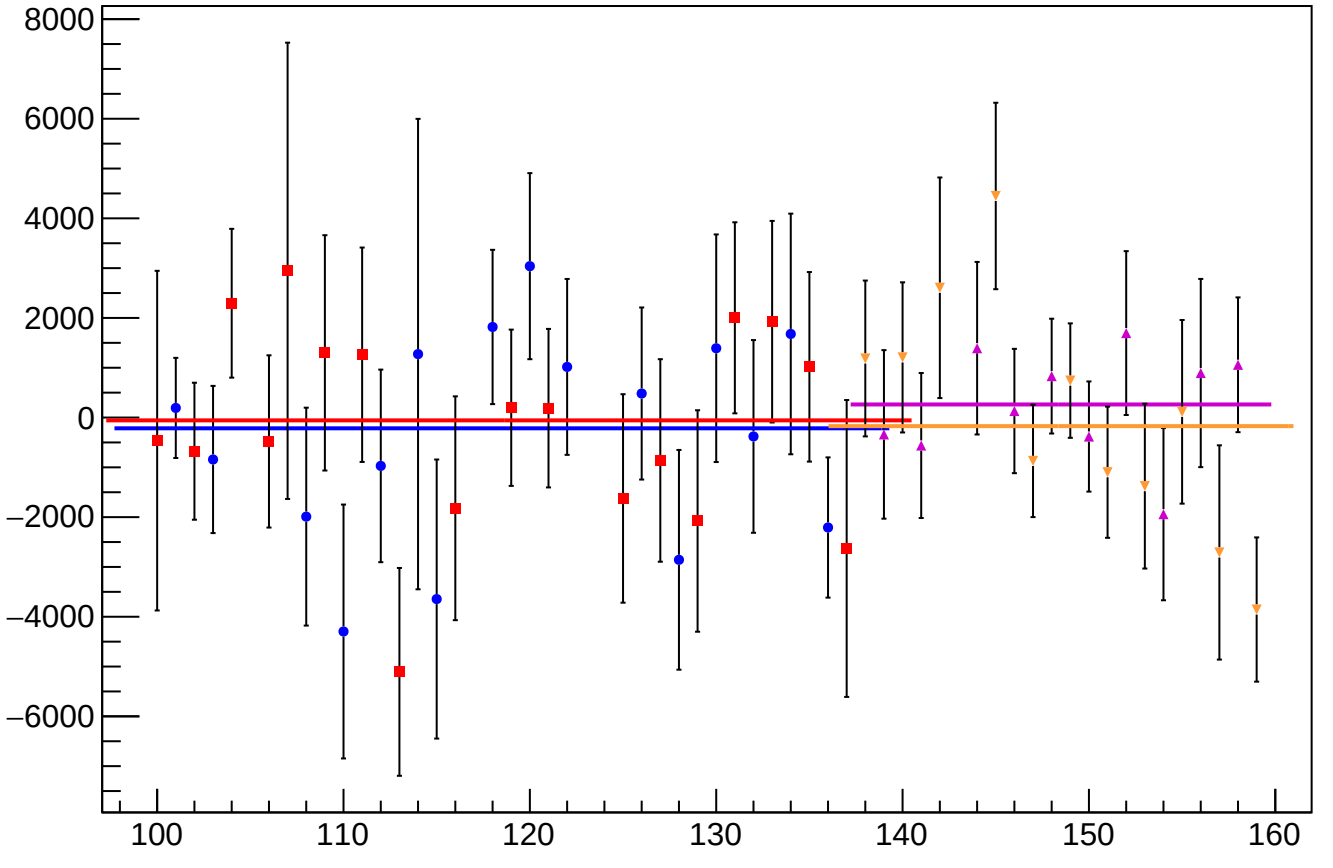
Left: 787.220+/-0.133 χ^2/NDF: 6432.6/20

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

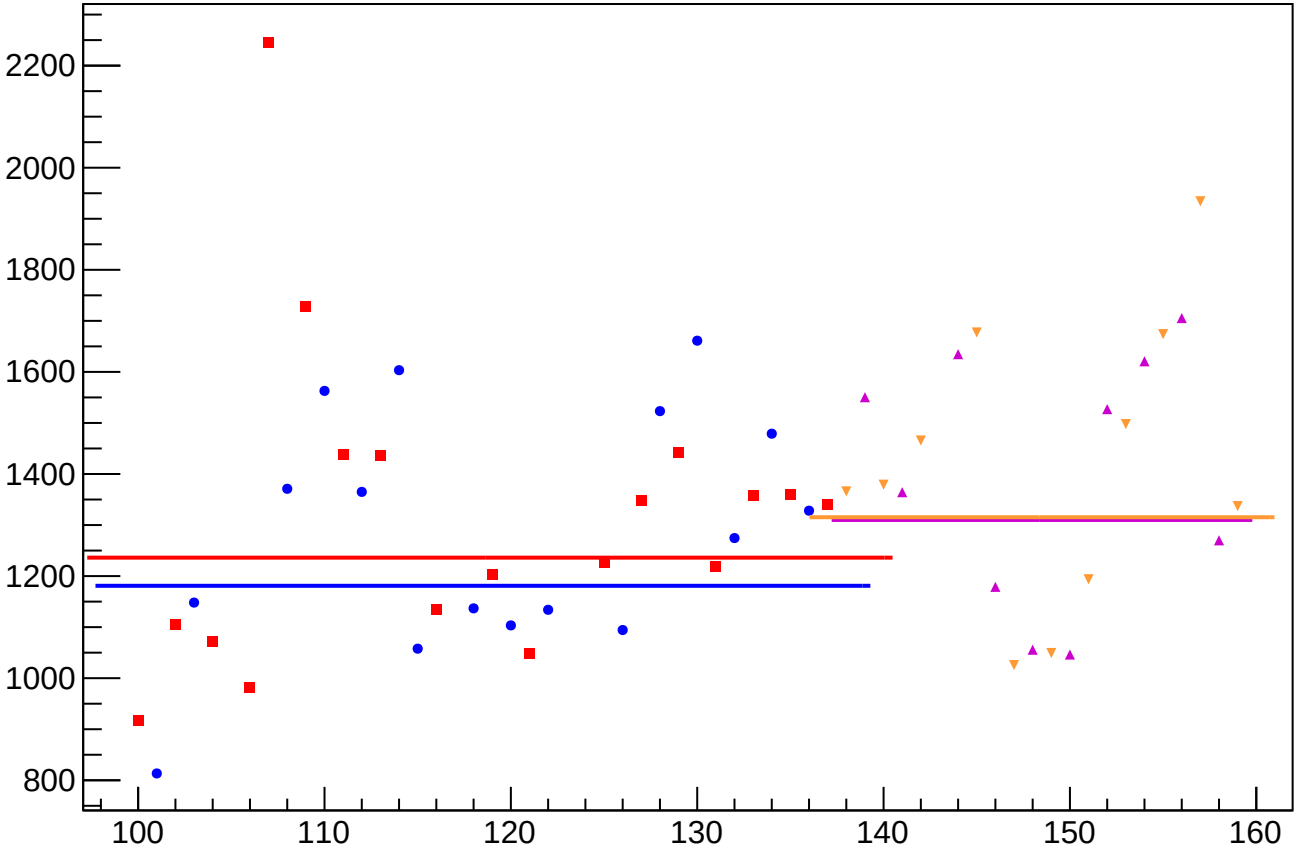
In: 787.023+/-0.139 χ^2/NDF:16175.4/25

Out: 789.065+/-0.139 χ^2/NDF:10168.2/28

All: 788.046+/-0.098 χ^2/NDF: 26451.2/54


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
Right In: -216.183+/-449.536 χ²/NDF: 15.3/15
Left Out: -172.760+/-456.005 χ²/NDF:19.2/10
Right Out: -56.784+/-463.977 χ²/NDF: 15.1/17
Left In: 262.583+/-451.907 χ²/NDF:4.3/9
Left: 46.876+/-320.985 χ²/NDF: 23.9/20
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 21.941+/-318.705 χ²/NDF:20.2/25
Out: -115.777+/-325.226 χ²/NDF:34.3/28
All: -45.524+/-227.629 χ²/NDF: 54.6/54

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: 1315.288+/-0.322 χ^2/NDF:611659.7/10

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

Left In: 1310.001+/-0.320 χ^2/NDF:535256.4/9

Left: 1312.621+/-0.227 χ^2/NDF: 1147051.7/20

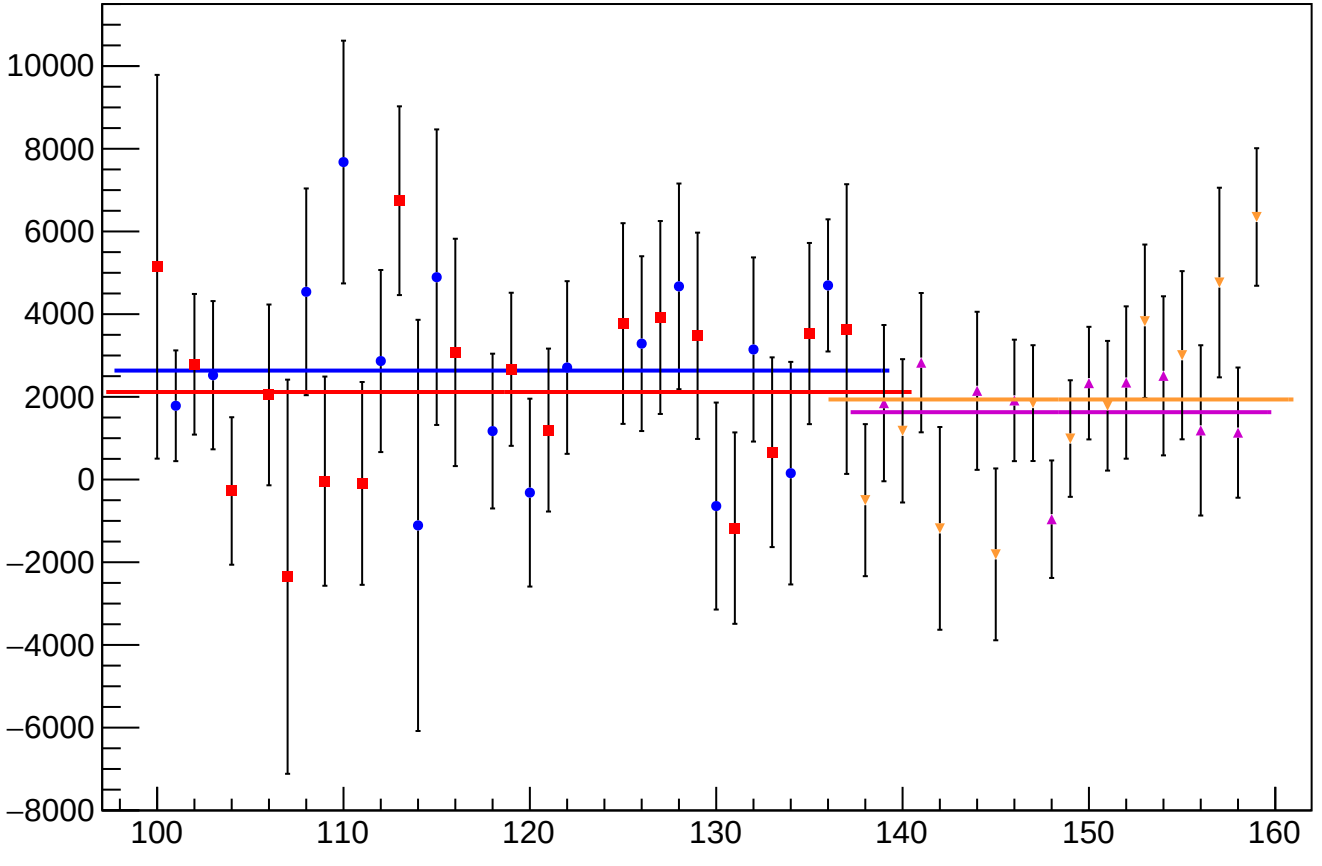
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1245.159+/-0.225 χ^2/NDF:1188284.8/25

Out: 1276.395+/-0.230 χ^2/NDF:1038511.1/28

All: 1260.461+/-0.161 χ^2/NDF: 2236207.5/54

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1936.556+/-532.264 χ^2/NDF:17.2/10

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

Left In: 1629.148+/-526.444 χ^2/NDF:4.7/9

Left: 1781.162+/-374.293 χ^2/NDF: 22.0/20

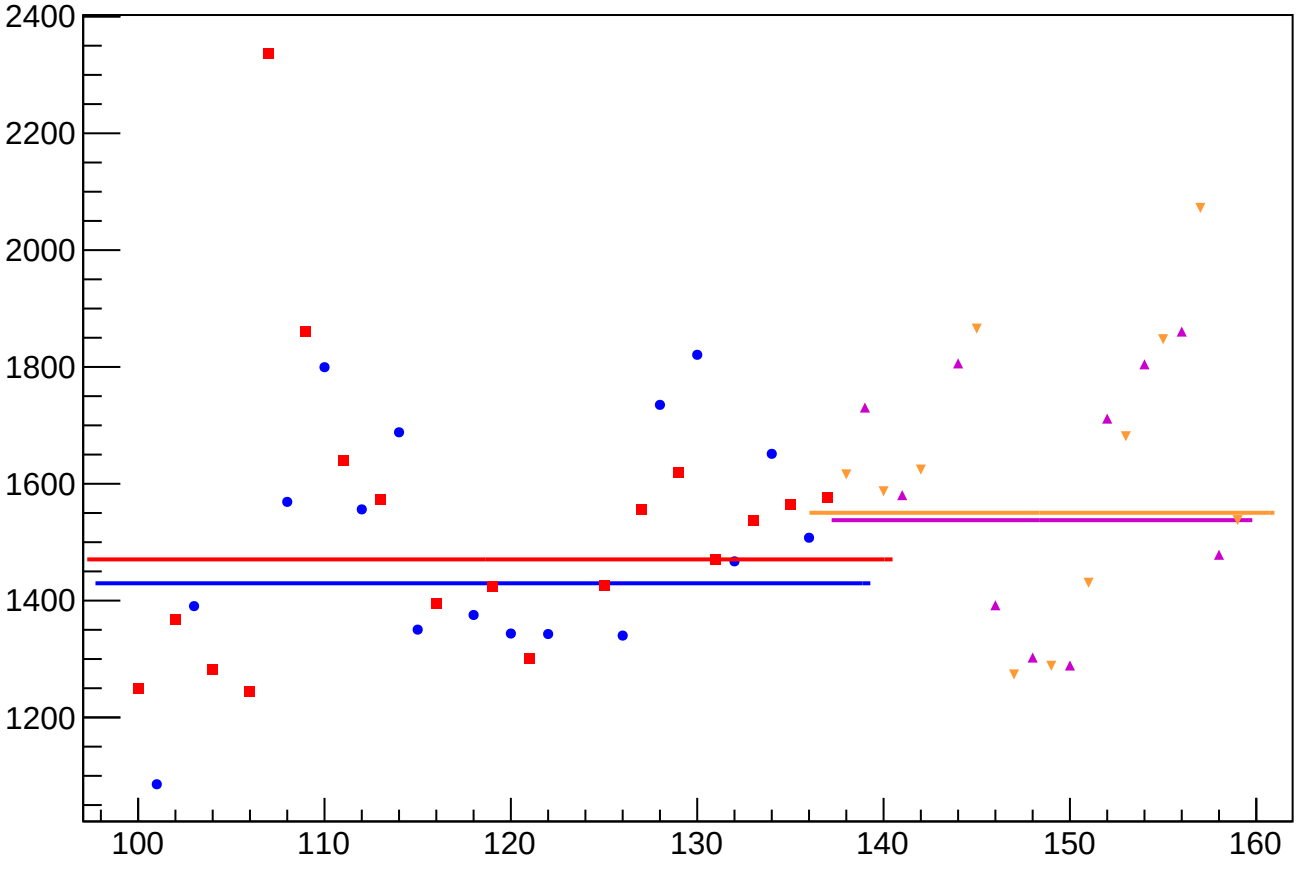
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2121.317+/-376.283 χ^2/NDF:18.8/25

Out: 2024.314+/-381.635 χ^2/NDF:30.9/28

All: 2073.500+/-267.944 χ^2/NDF: 49.7/54

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1550.355+/-0.376 χ^2/NDF:366488.0/10

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

Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

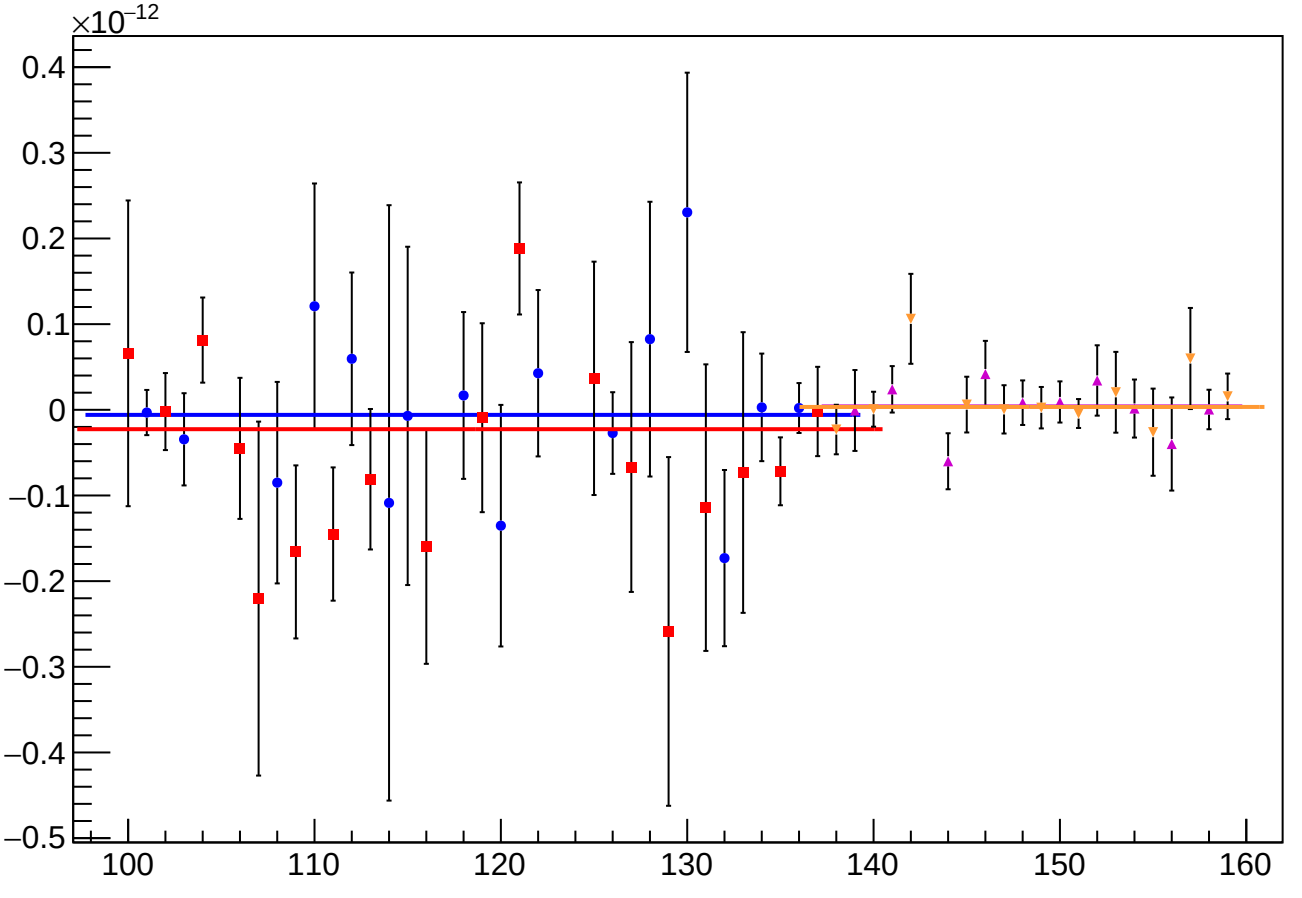
Left: 1543.965+/-0.265 χ^2/NDF: 678085.7/20

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

In: 1484.861+/-0.266 χ^2/NDF:645632.7/25

Out: 1511.584+/-0.270 χ^2/NDF:606394.0/28

All: 1498.034+/-0.189 χ^2/NDF: 1256999.2/54



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/10

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

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

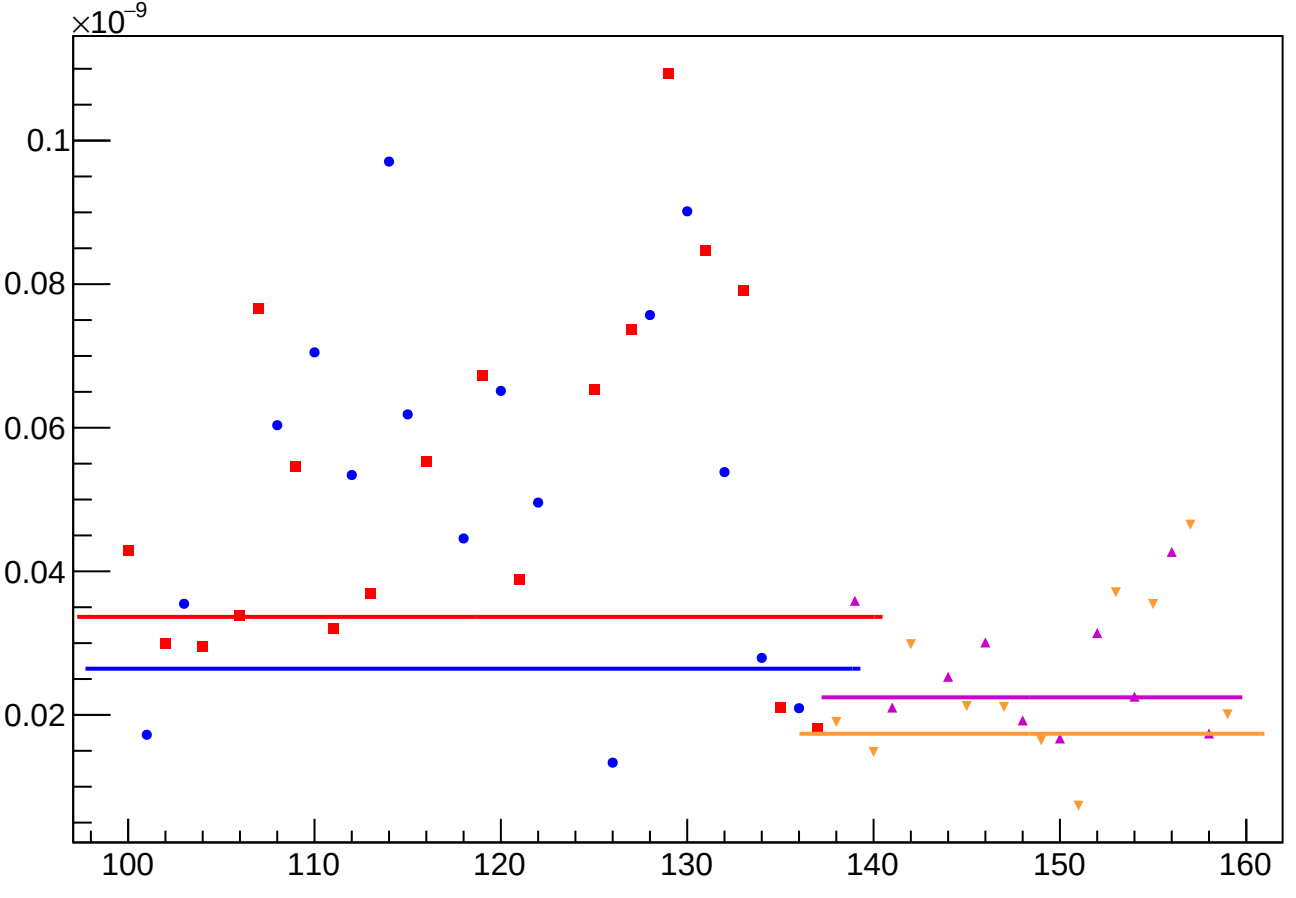
Left: 0.000+/-0.000 χ^2/NDF: 13.2/20

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

In: 0.000+/-0.000 χ^2/NDF:15.5/25

Out: -0.000+/-0.000 χ^2/NDF:31.3/28

All: -0.000+/-0.000 χ^2/NDF: 46.8/54



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

Left Out: 0.000+/-0.000 χ^2/NDF:2029890.5/10

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

Left In: 0.000+/-0.000 χ^2/NDF:873635.2/9

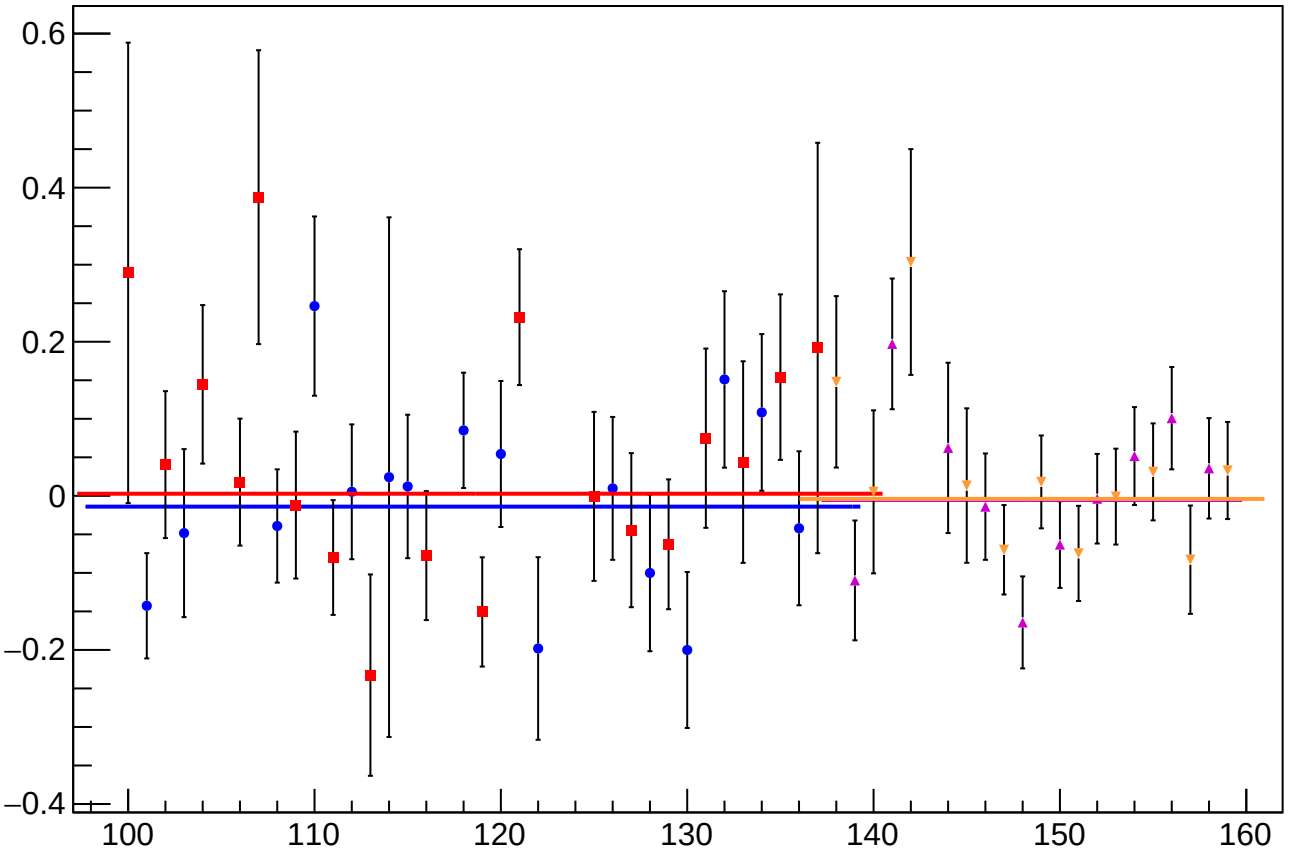
Left: 0.000+/-0.000 χ^2/NDF: 3208338.3/20

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

In: 0.000+/-0.000 χ^2/NDF:3109246.8/25

Out: 0.000+/-0.000 χ^2/NDF:5057486.1/28

All: 0.000+/-0.000 χ^2/NDF: 8343313.4/54



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

Left Out: -0.004+/-0.022 χ^2/NDF:11.0/10

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

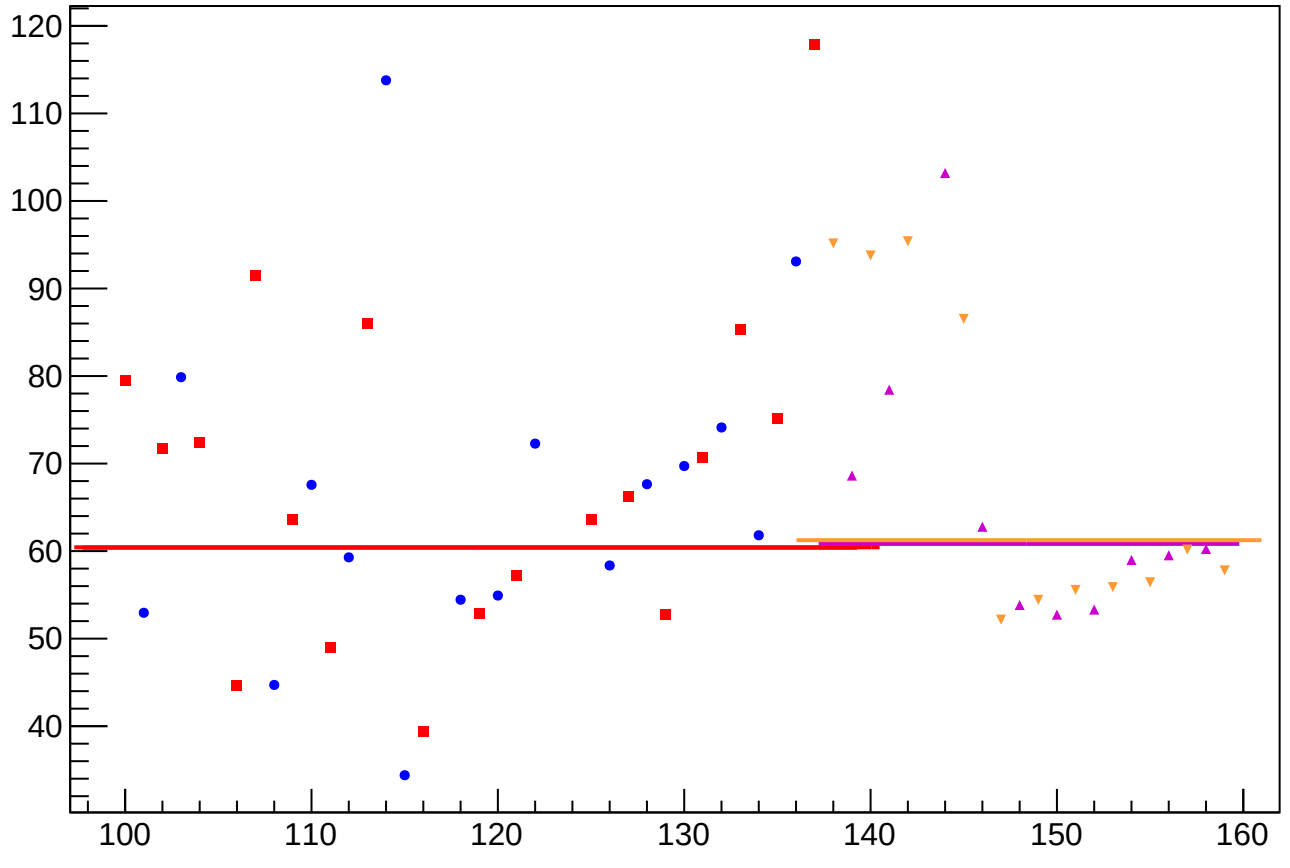
Left: -0.005+/-0.015 χ^2/NDF: 30.8/20

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.005+/-0.011 χ^2/NDF: 80.1/54



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

Left Out: 61.247+/-0.015 χ^2/NDF:734998.3/10

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

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

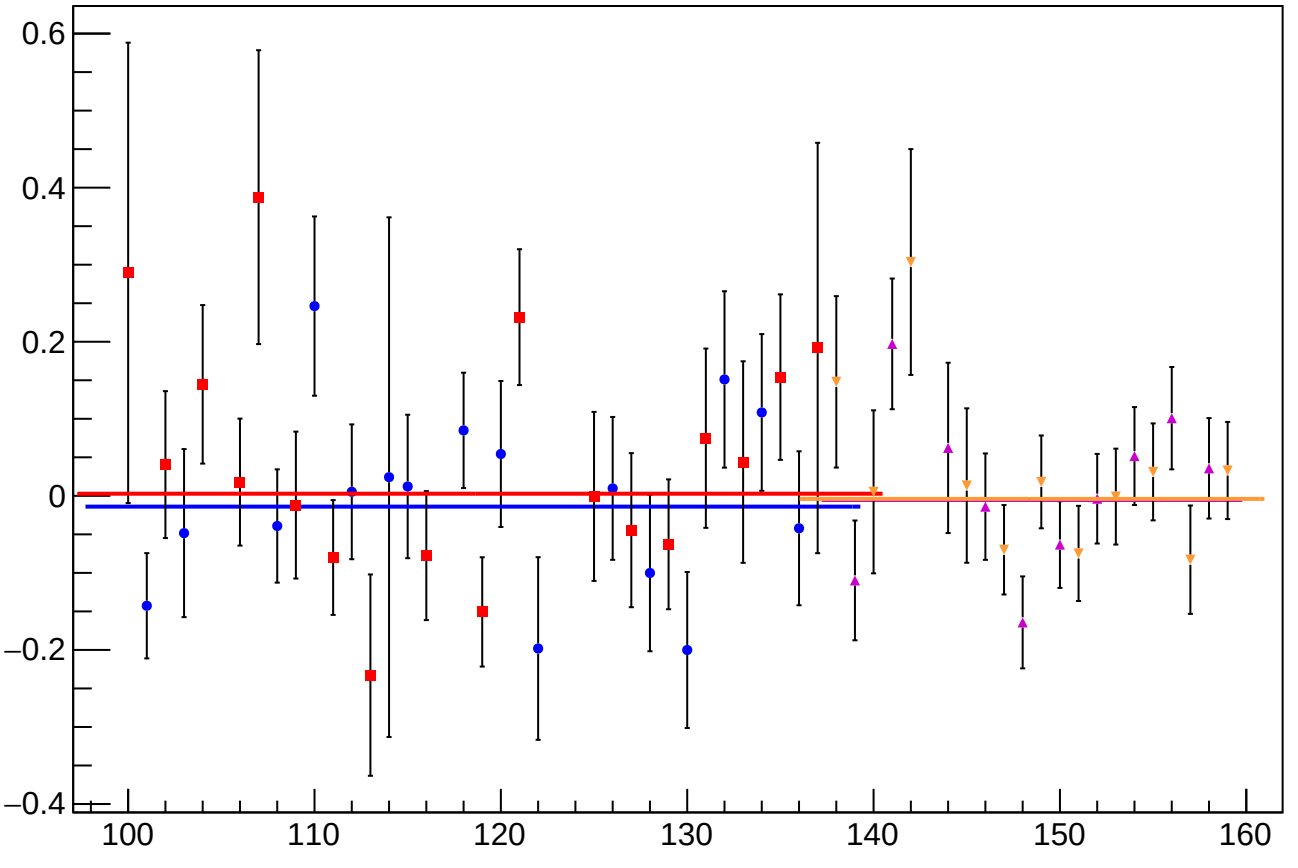
Left: 61.031+/-0.011 χ^2/NDF: 1241920.9/20

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

In: 60.635+/-0.011 χ^2/NDF:1210045.6/25

Out: 60.877+/-0.011 χ^2/NDF:1447362.8/28

All: 60.755+/-0.008 χ^2/NDF: 2657637.3/54



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

Left Out: -0.004+/-0.022 χ^2/NDF:11.0/10

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

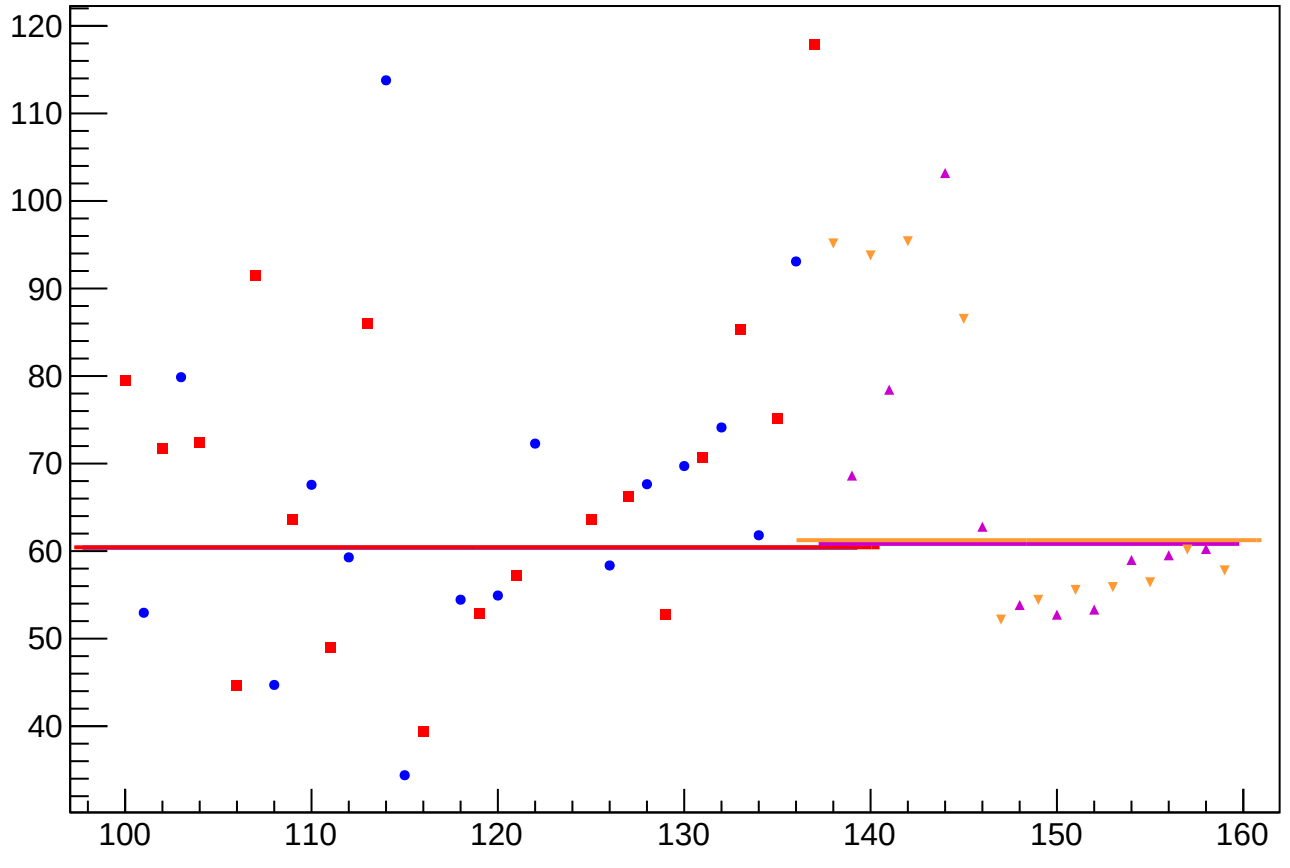
Left: -0.005+/-0.015 χ^2/NDF: 30.8/20

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.005+/-0.011 χ^2/NDF: 80.1/54



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

Left Out: 61.247+/-0.015 χ^2/NDF:734998.3/10

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

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

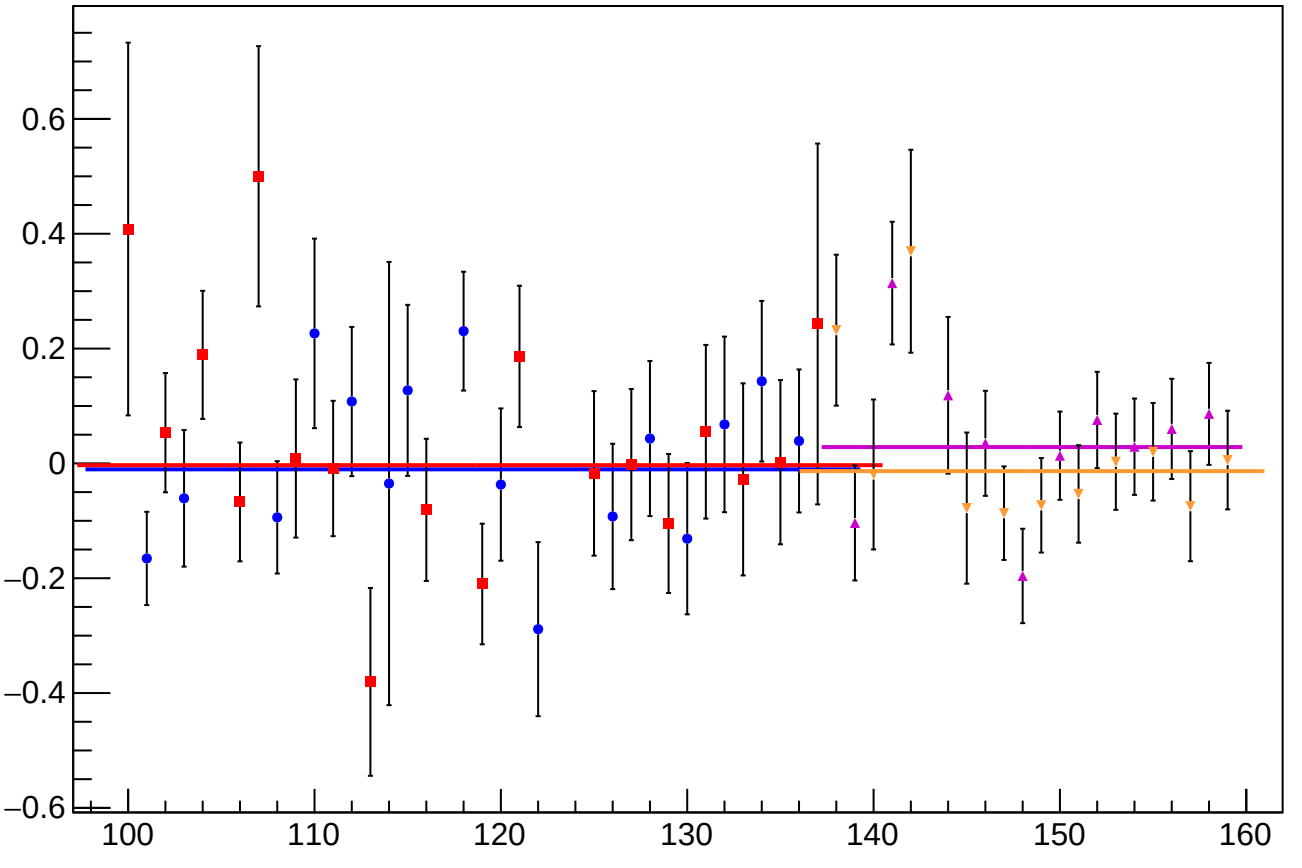
Left: 61.031+/-0.011 χ^2/NDF: 1241920.9/20

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

In: 60.635+/-0.011 χ^2/NDF:1210045.6/25

Out: 60.877+/-0.011 χ^2/NDF:1447362.8/28

All: 60.755+/-0.008 χ^2/NDF: 2657637.3/54



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

Left Out: -0.013+/-0.029 χ^2/NDF:10.6/10

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

Left In: 0.028+/-0.029 χ^2/NDF:17.7/9

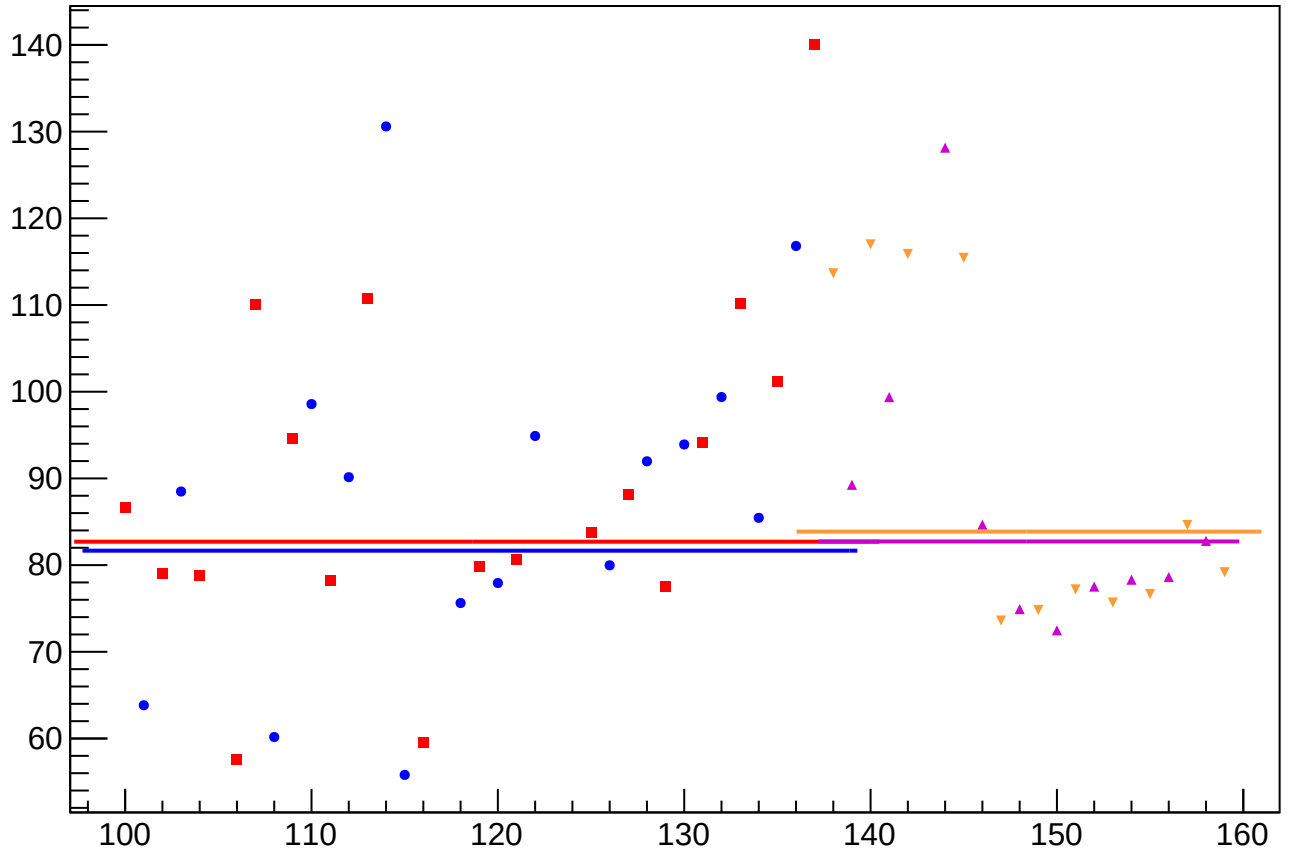
Left: 0.008+/-0.020 χ^2/NDF: 29.4/20

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

In: 0.011+/-0.021 χ^2/NDF:38.7/25

Out: -0.009+/-0.022 χ^2/NDF:34.3/28

All: 0.001+/-0.015 χ^2/NDF: 73.5/54



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

Left Out: 83.864+/-0.021 χ^2/NDF:520052.7/10

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

Left In: 82.726+/-0.020 χ^2/NDF:350828.0/9

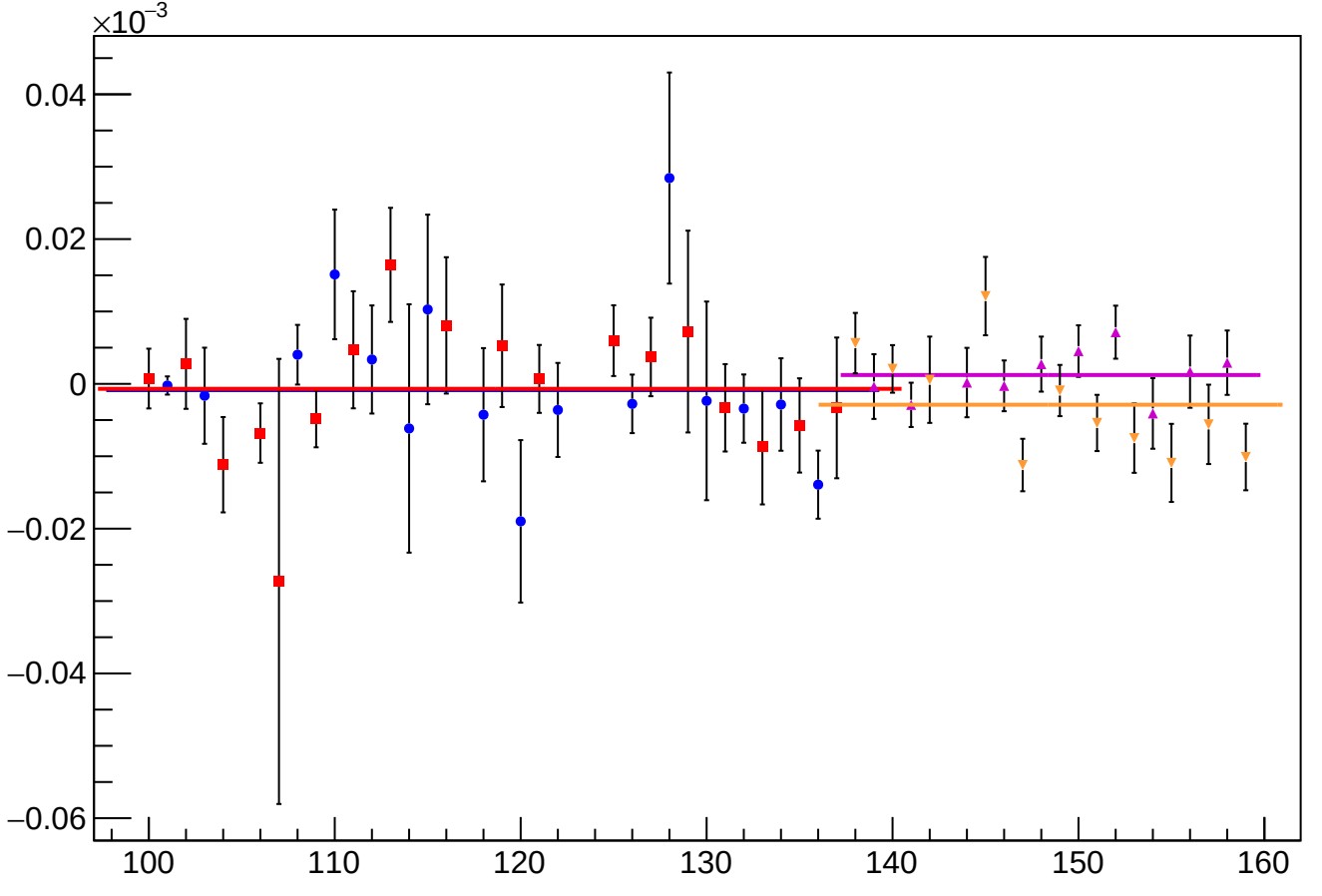
Left: 83.283+/-0.014 χ^2/NDF: 872424.5/20

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

In: 82.247+/-0.015 χ^2/NDF:913918.5/25

Out: 83.330+/-0.015 χ^2/NDF:994568.5/28

All: 82.781+/-0.011 χ^2/NDF: 1911053.0/54



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.3/10

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

Left In: 0.000+/-0.000 χ^2/NDF:7.1/9

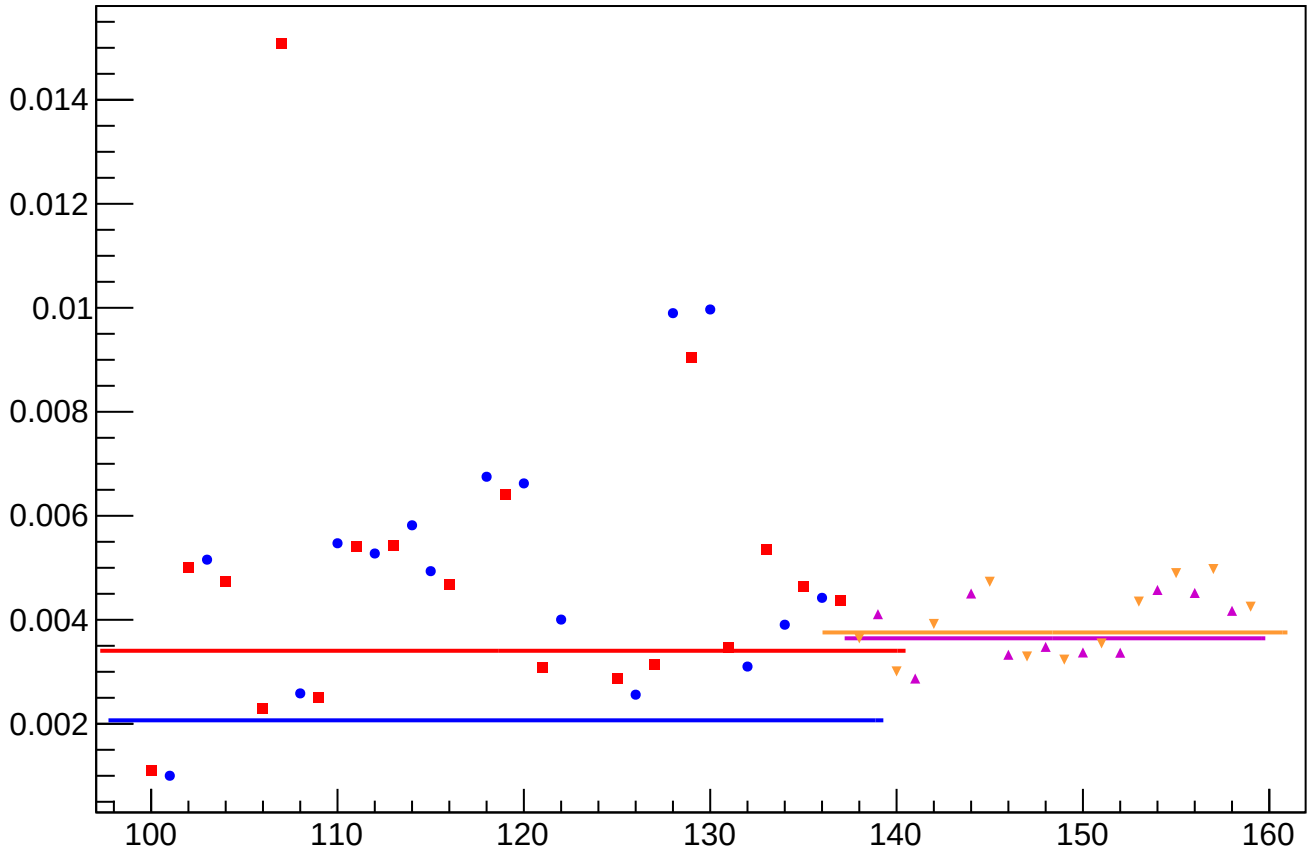
Left: -0.000+/-0.000 χ^2/NDF: 38.6/20

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

In: -0.000+/-0.000 χ^2/NDF:30.1/25

Out: -0.000+/-0.000 χ^2/NDF:45.9/28

All: -0.000+/-0.000 χ^2/NDF: 78.3/54



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

Left Out: 0.004+/-0.000 χ^2/NDF:496069.5/10

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

Left In: 0.004+/-0.000 χ^2/NDF:419266.7/9

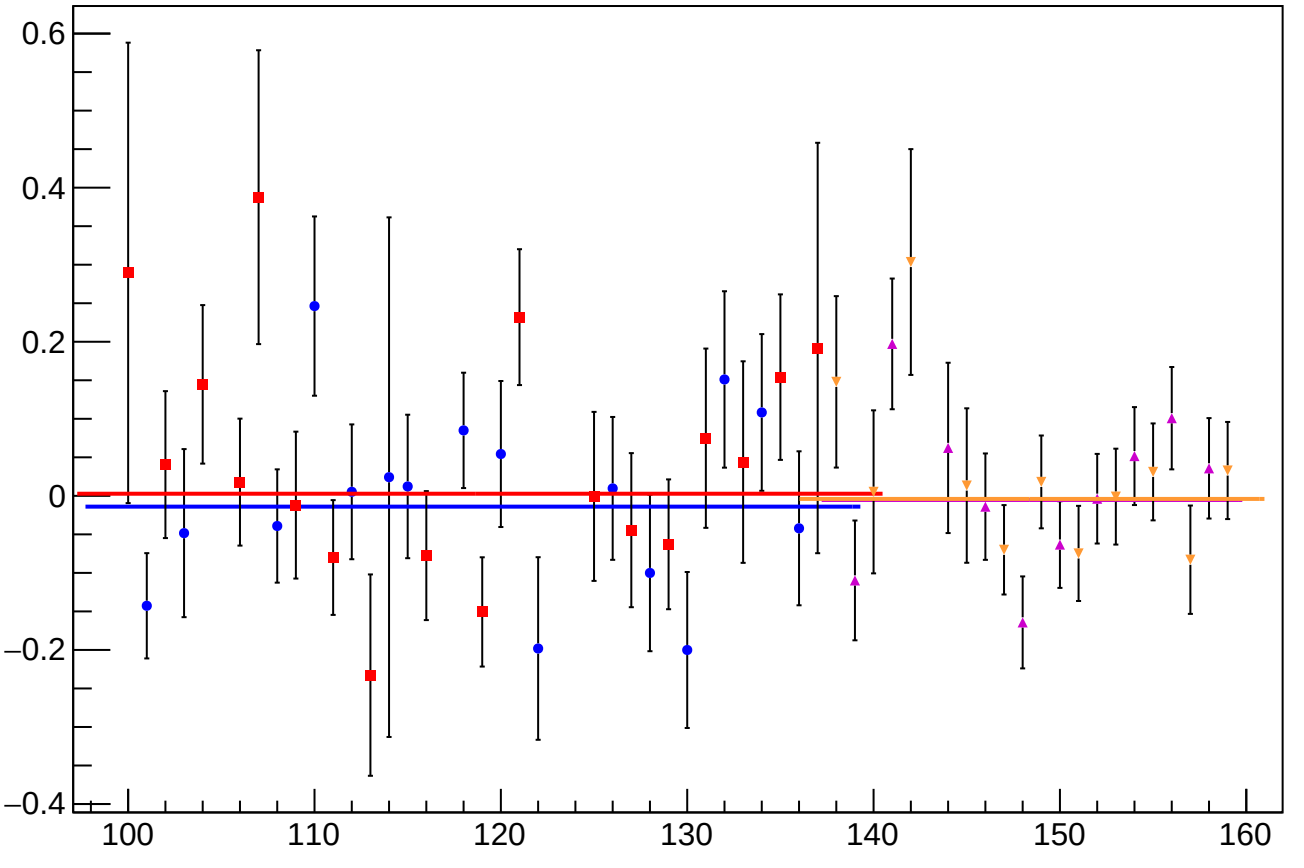
Left: 0.004+/-0.000 χ^2/NDF: 923138.8/20

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

In: 0.003+/-0.000 χ^2/NDF:8155868.9/25

Out: 0.004+/-0.000 χ^2/NDF:3054191.7/28

All: 0.003+/-0.000 χ^2/NDF: 12286882.7/54



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

Left Out: -0.004+/-0.022 χ^2/NDF:11.0/10

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

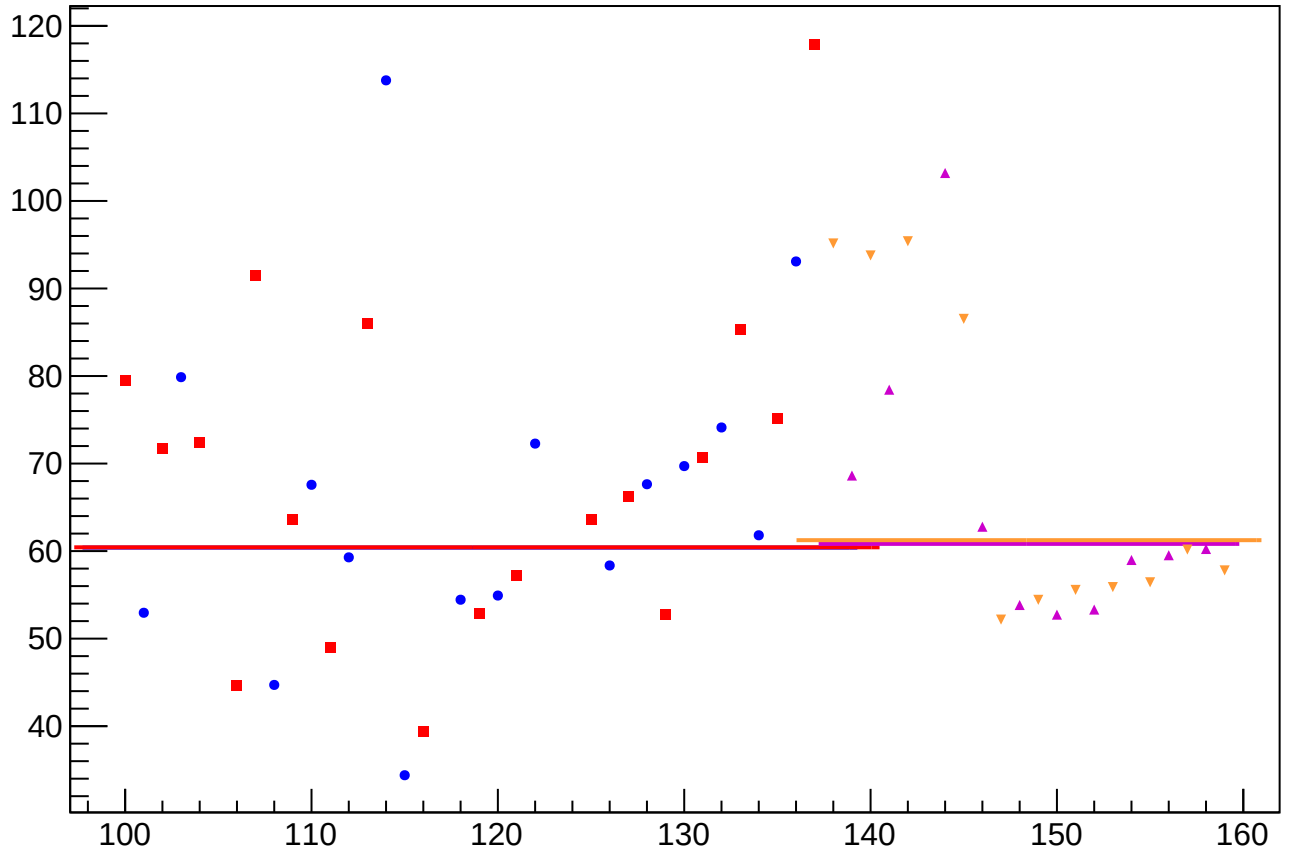
Left: -0.005+/-0.015 χ^2/NDF: 30.8/20

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.005+/-0.011 χ^2/NDF: 80.1/54



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

Left Out: 61.247+/-0.015 χ^2/NDF:734990.8/10

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

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

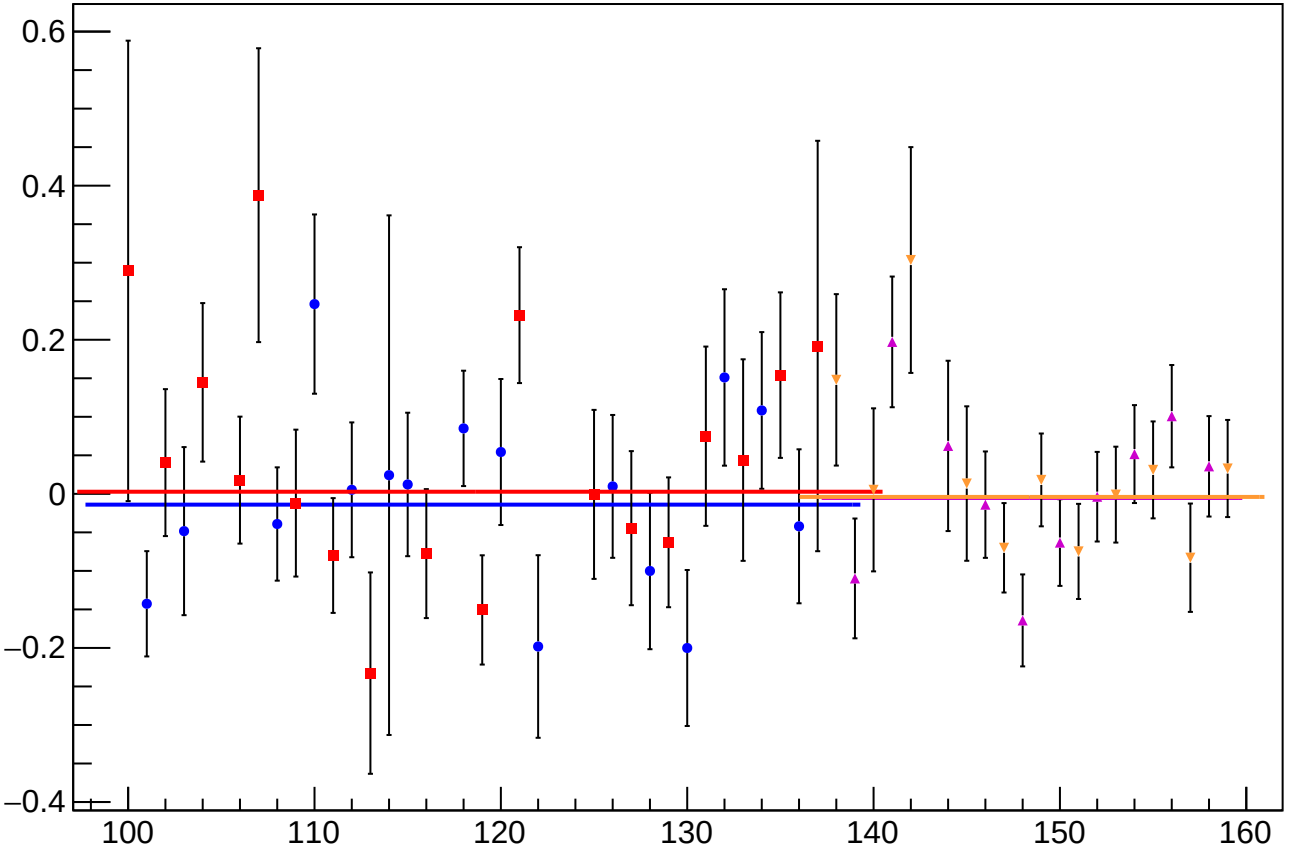
Left: 61.031+/-0.011 χ^2/NDF: 1241909.1/20

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

In: 60.635+/-0.011 χ^2/NDF:1210056.1/25

Out: 60.876+/-0.011 χ^2/NDF:1447390.5/28

All: 60.754+/-0.008 χ^2/NDF: 2657675.1/54



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

Left Out: -0.004+/-0.022 χ^2/NDF:11.0/10

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

Left: -0.005+/-0.015 χ^2/NDF: 30.8/20

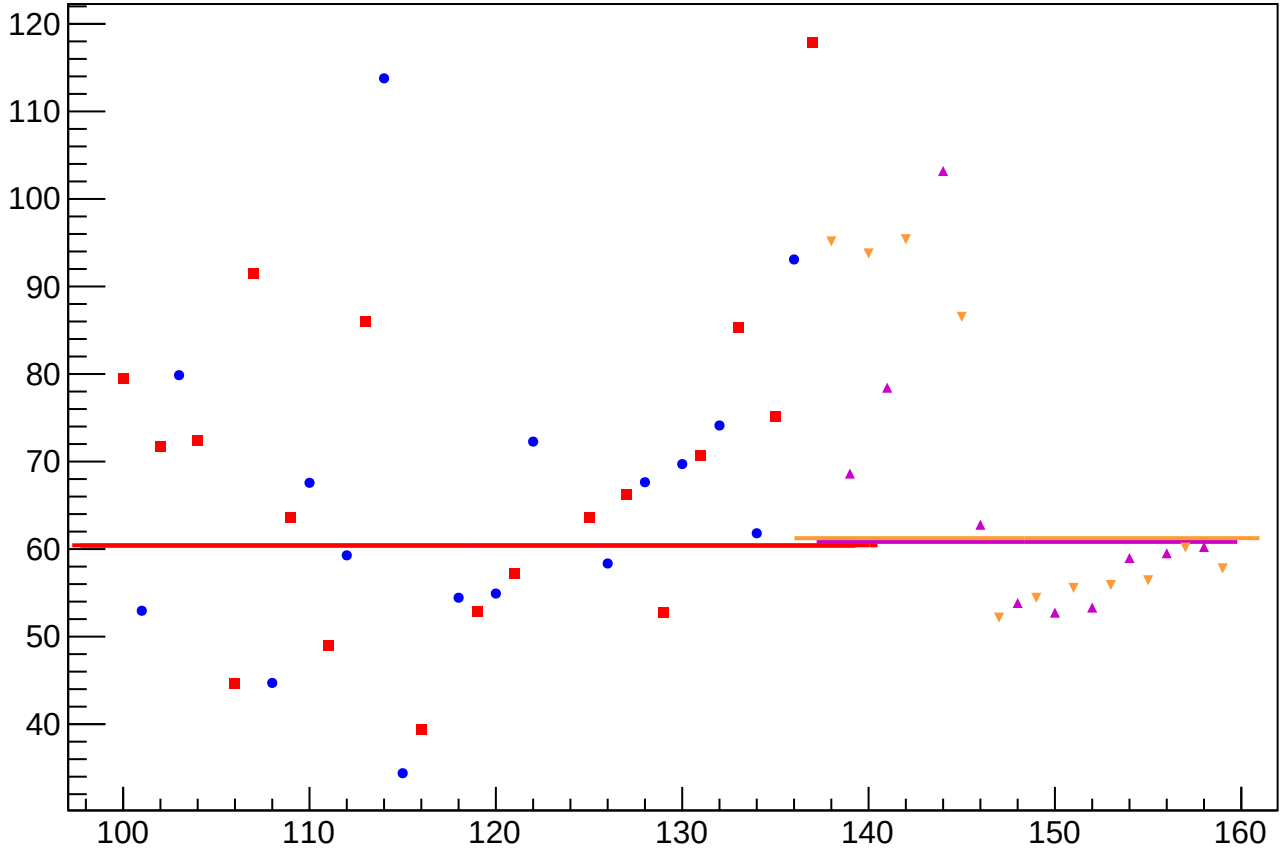
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.005+/-0.011 χ^2/NDF: 80.1/54

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: 61.247+/-0.015 χ^2/NDF:734990.8/10

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

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

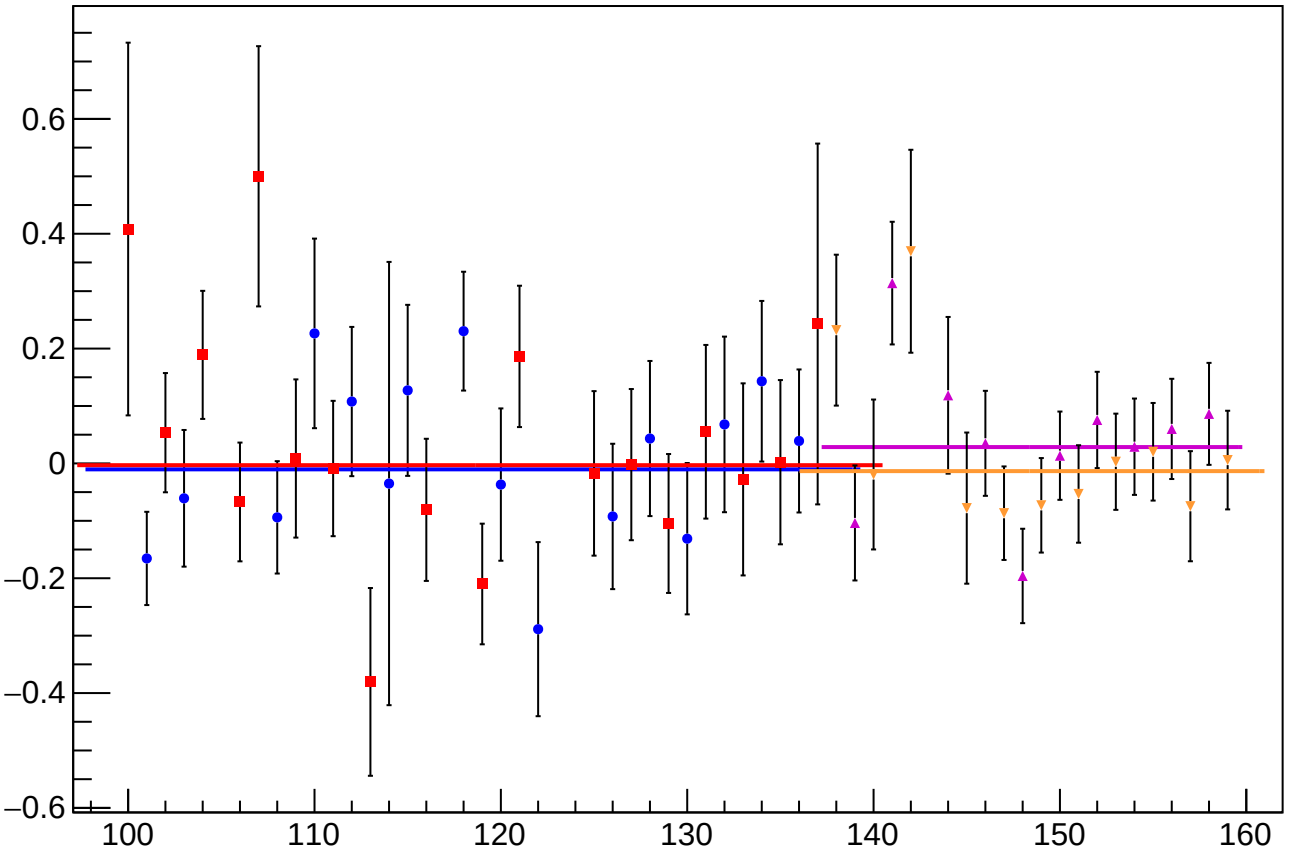
Left: 61.031+/-0.011 χ^2/NDF: 1241909.1/20

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

In: 60.635+/-0.011 χ^2/NDF:1210056.1/25

Out: 60.876+/-0.011 χ^2/NDF:1447390.5/28

All: 60.754+/-0.008 χ^2/NDF: 2657675.1/54



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

Left Out: -0.013+/-0.029 χ^2/NDF:10.6/10

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

Left In: 0.028+/-0.029 χ^2/NDF:17.7/9

Left: 0.008+/-0.020 χ^2/NDF: 29.4/20

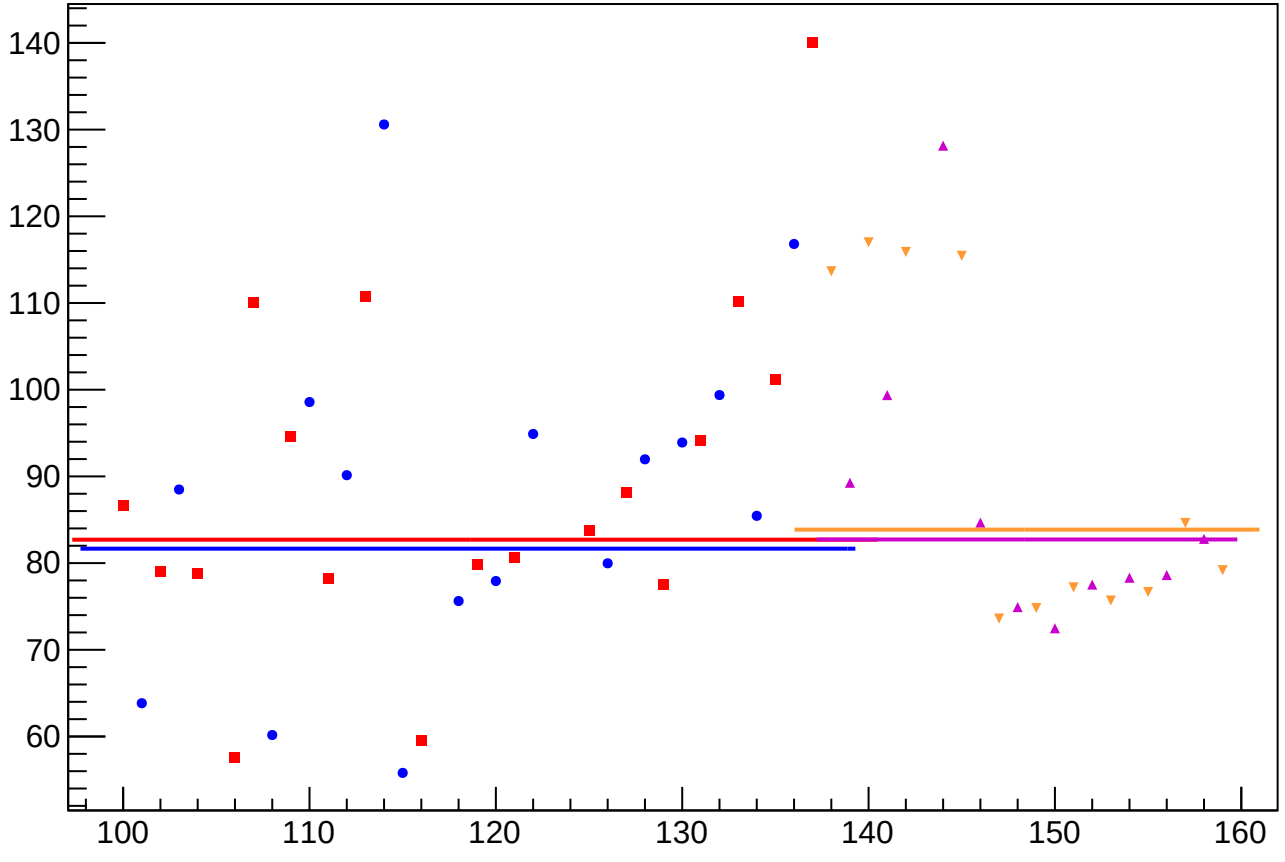
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.011+/-0.021 χ^2/NDF:38.7/25

Out: -0.009+/-0.022 χ^2/NDF:34.3/28

All: 0.001+/-0.015 χ^2/NDF: 73.5/54

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 83.864+/-0.021 χ^2/NDF:520048.8/10

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

Left In: 82.727+/-0.020 χ^2/NDF:350827.3/9

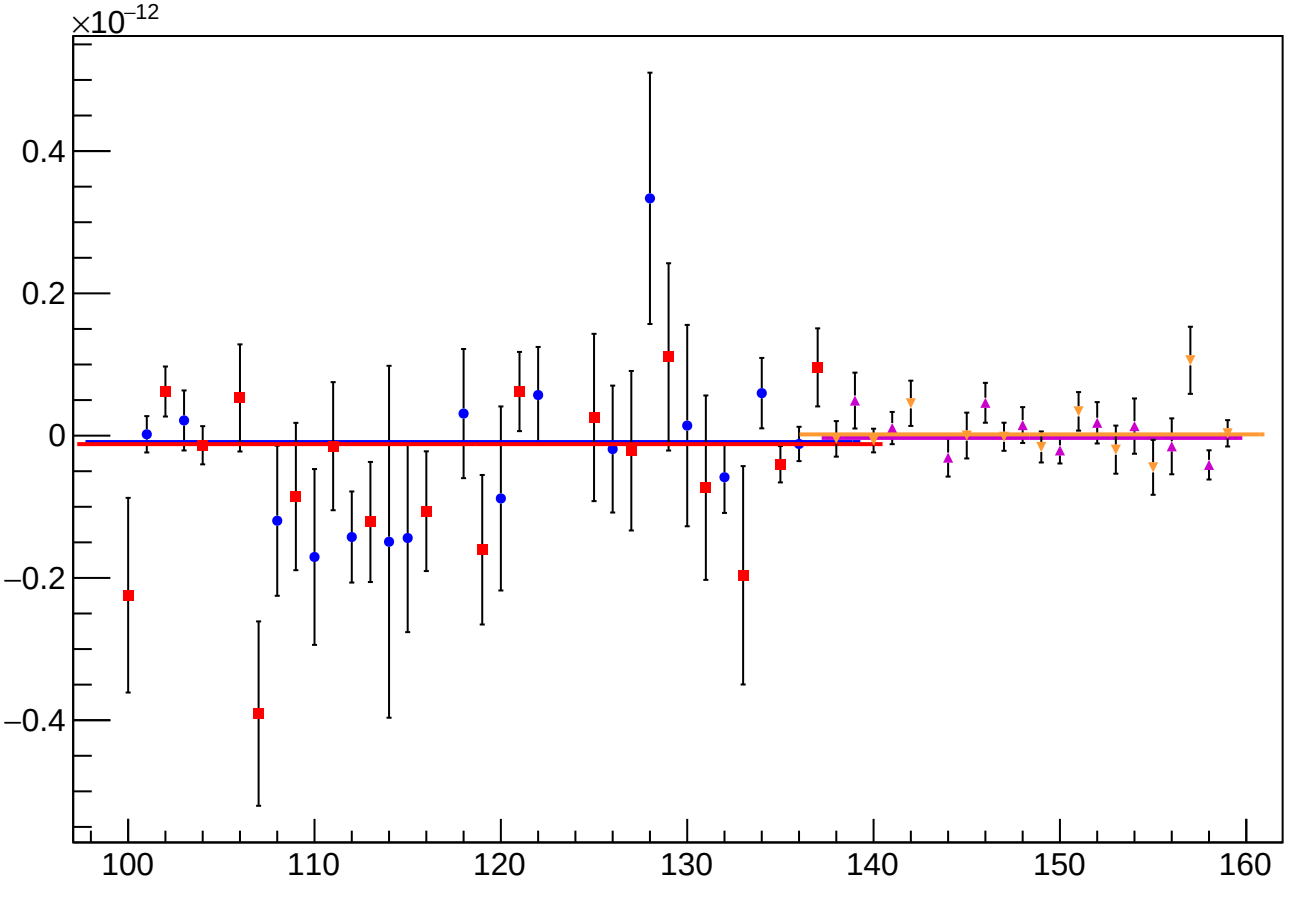
Left: 83.283+/-0.014 χ^2/NDF: 872419.7/20

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

In: 82.247+/-0.015 χ^2/NDF:913907.9/25

Out: 83.329+/-0.015 χ^2/NDF:994564.4/28

All: 82.781+/-0.011 χ^2/NDF: 1911037.7/54



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/10

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

Left In: -0.000+/-0.000 χ^2/NDF:12.0/9

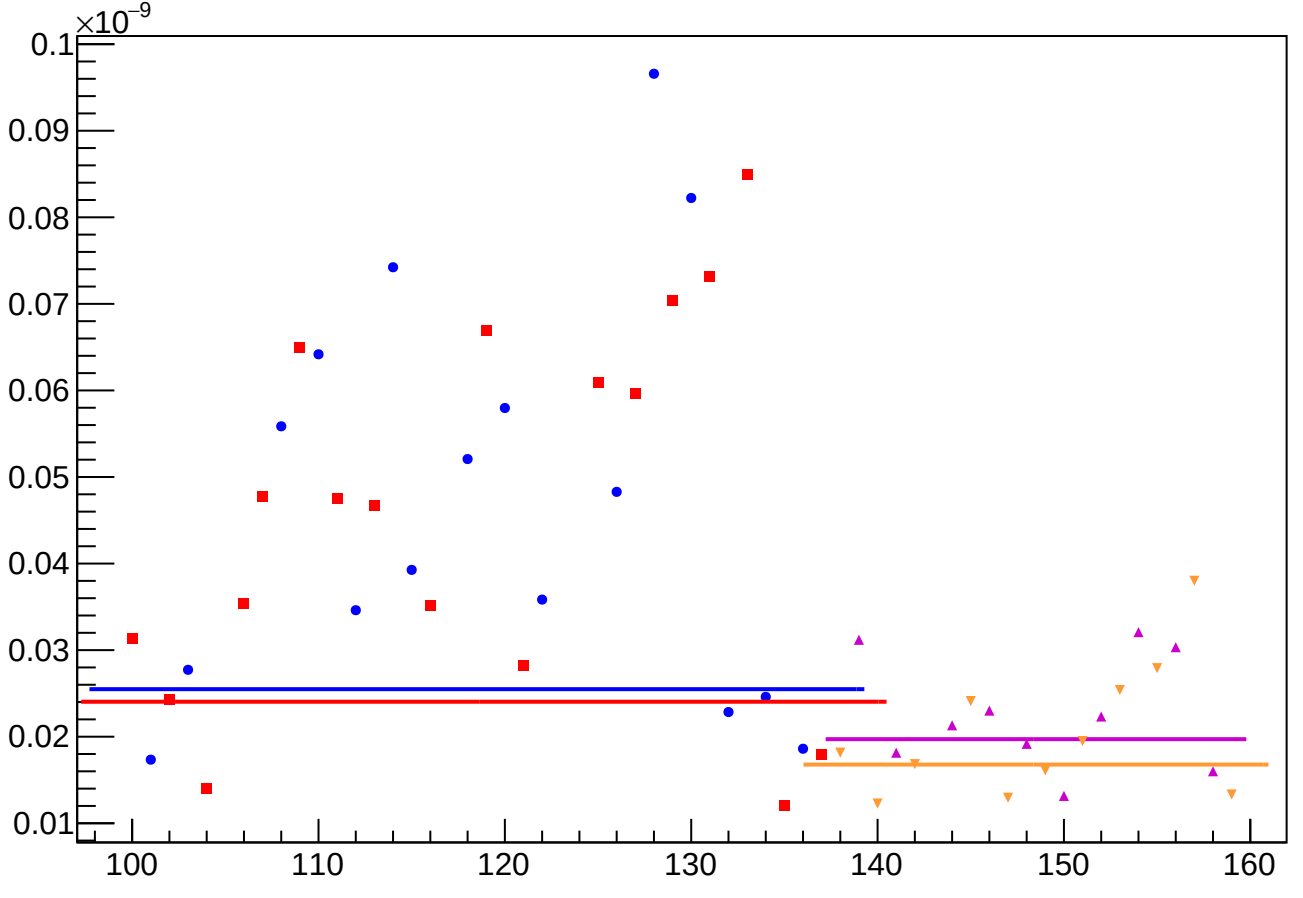
Left: -0.000+/-0.000 χ^2/NDF: 23.2/20

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

In: -0.000+/-0.000 χ^2/NDF:29.6/25

Out: -0.000+/-0.000 χ^2/NDF:42.9/28

All: -0.000+/-0.000 χ^2/NDF: 72.6/54



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

Left Out: 0.000+/-0.000 χ^2/NDF:1124618.7/10

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

Left In: 0.000+/-0.000 χ^2/NDF:900385.4/9

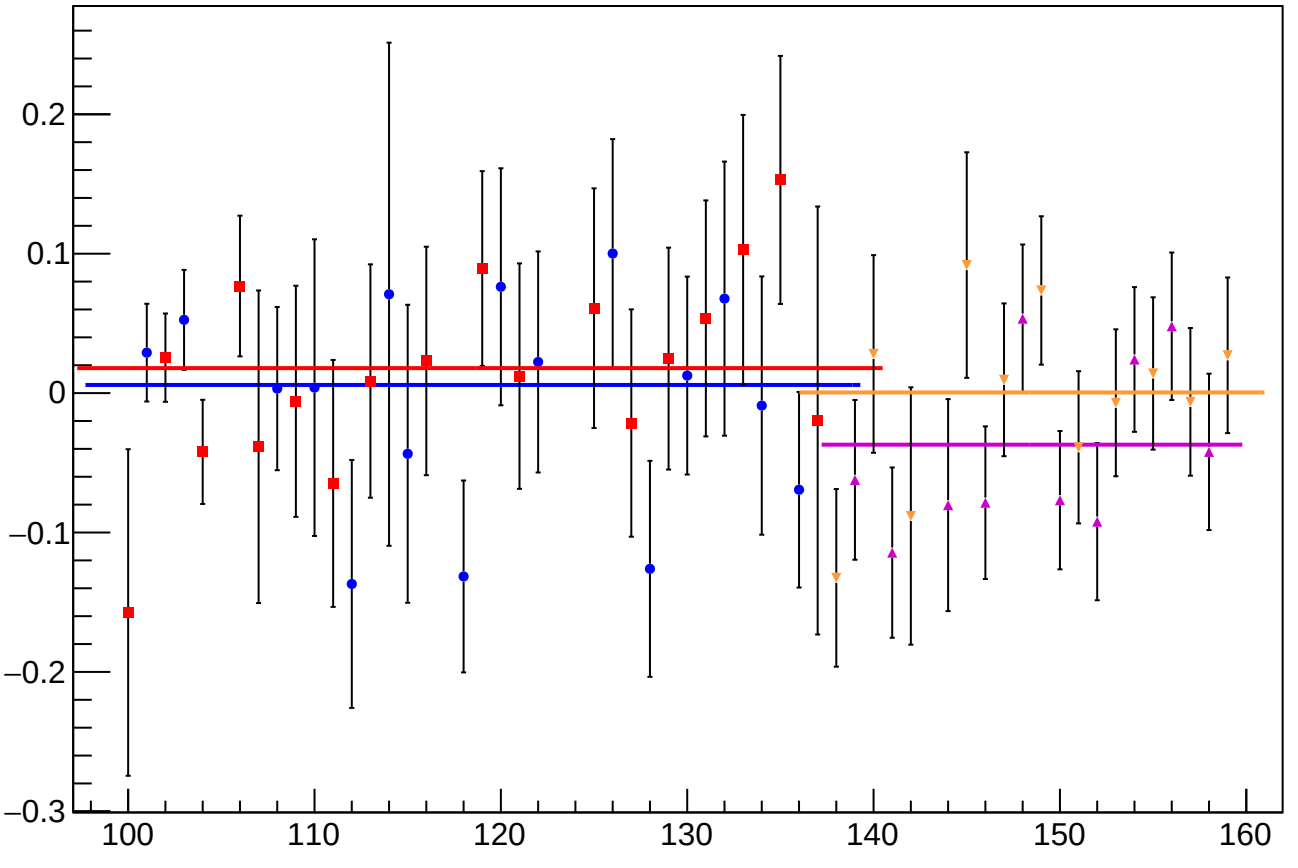
Left: 0.000+/-0.000 χ^2/NDF: 2164596.0/20

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

In: 0.000+/-0.000 χ^2/NDF:3174073.9/25

Out: 0.000+/-0.000 χ^2/NDF:4658278.6/28

All: 0.000+/-0.000 χ^2/NDF: 8009325.3/54



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

Left Out: 0.000+/-0.018 χ^2/NDF:9.5/10

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

Left In: -0.037+/-0.018 χ^2/NDF:11.2/9

Left: -0.019+/-0.013 χ^2/NDF: 22.9/20

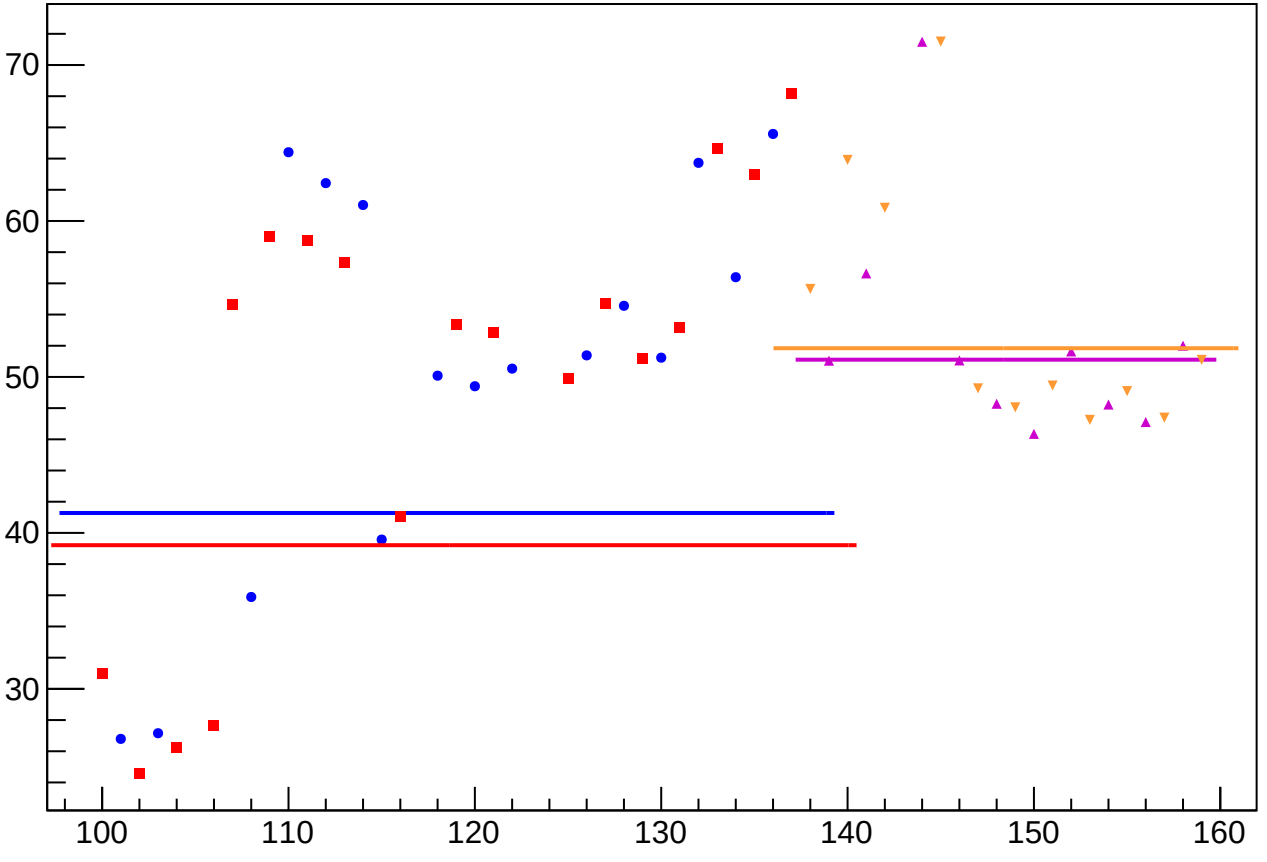
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.012 χ^2/NDF:29.9/25

Out: 0.010+/-0.012 χ^2/NDF:22.3/28

All: -0.002+/-0.008 χ^2/NDF: 54.3/54

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 51.841+/-0.013 χ^2/NDF:255500.7/10

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

Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

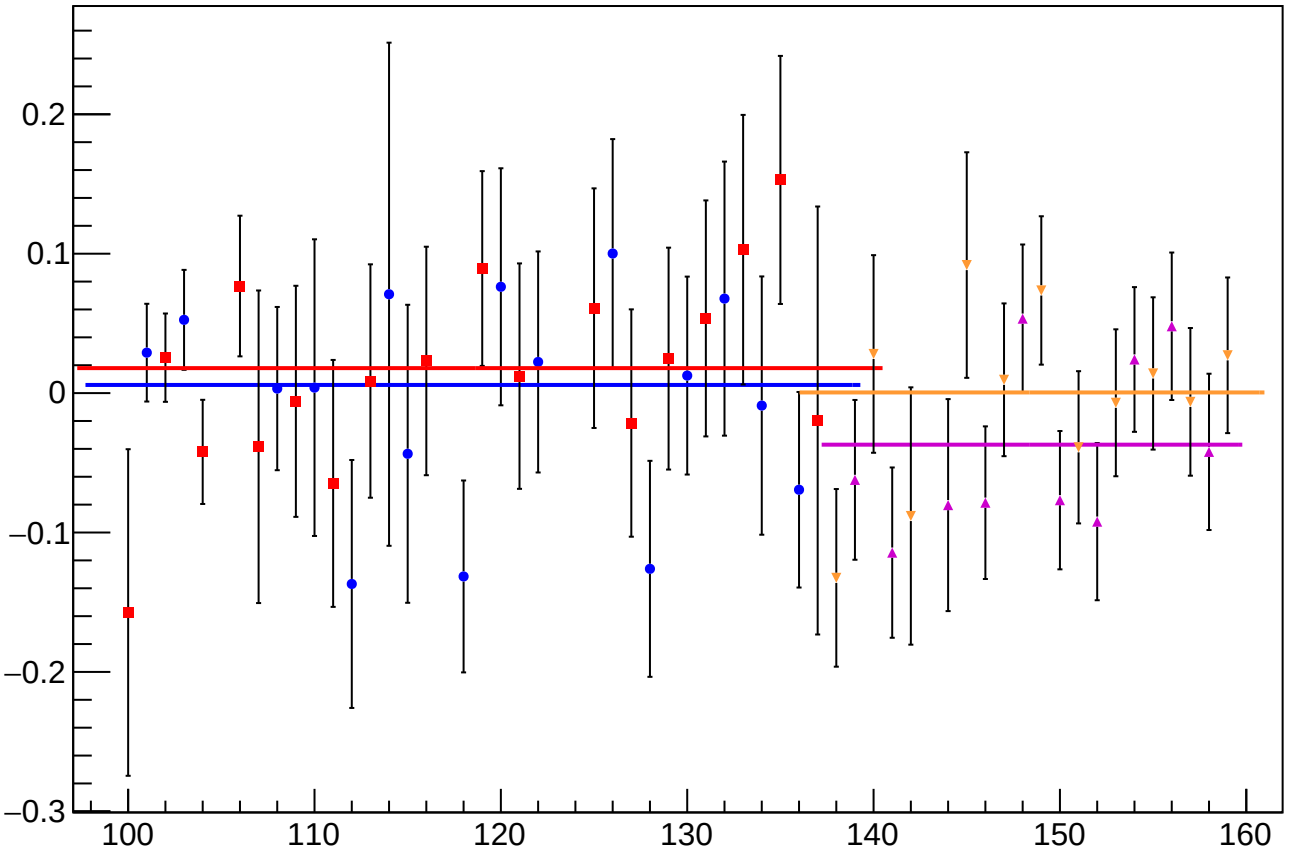
Left: 51.469+/-0.009 χ^2/NDF: 459641.1/20

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

In: 45.861+/-0.009 χ^2/NDF:2037739.4/25

Out: 44.705+/-0.008 χ^2/NDF:2635888.3/28

All: 45.271+/-0.006 χ^2/NDF: 4682988.9/54



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

Left Out: 0.000+/-0.018 χ^2/NDF:9.5/10

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

Left In: -0.037+/-0.018 χ^2/NDF:11.2/9

Left: -0.019+/-0.013 χ^2/NDF: 22.9/20

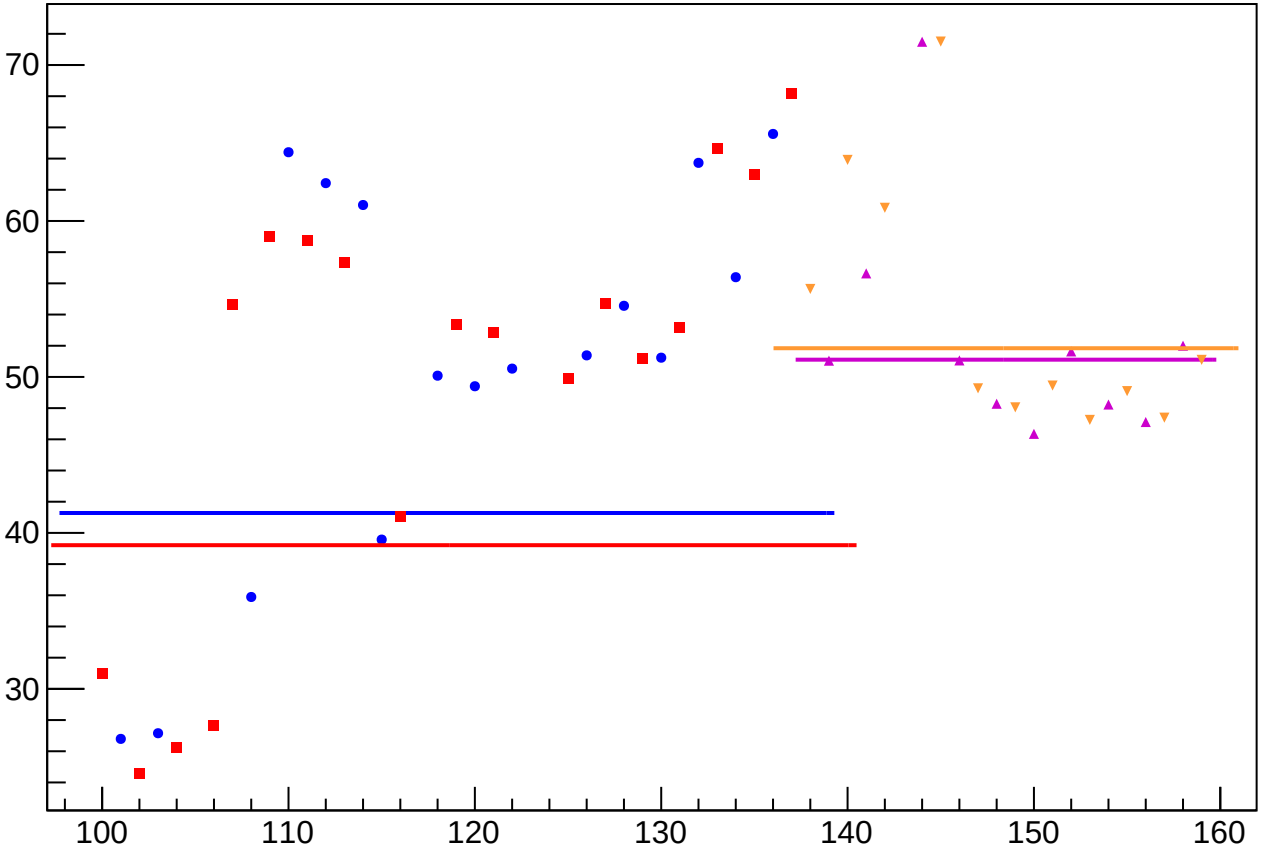
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.012 χ^2/NDF:29.9/25

Out: 0.010+/-0.012 χ^2/NDF:22.3/28

All: -0.002+/-0.008 χ^2/NDF: 54.3/54

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: 51.841+/-0.013 χ^2/NDF:255500.7/10

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

Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

Left: 51.469+/-0.009 χ^2/NDF: 459641.1/20

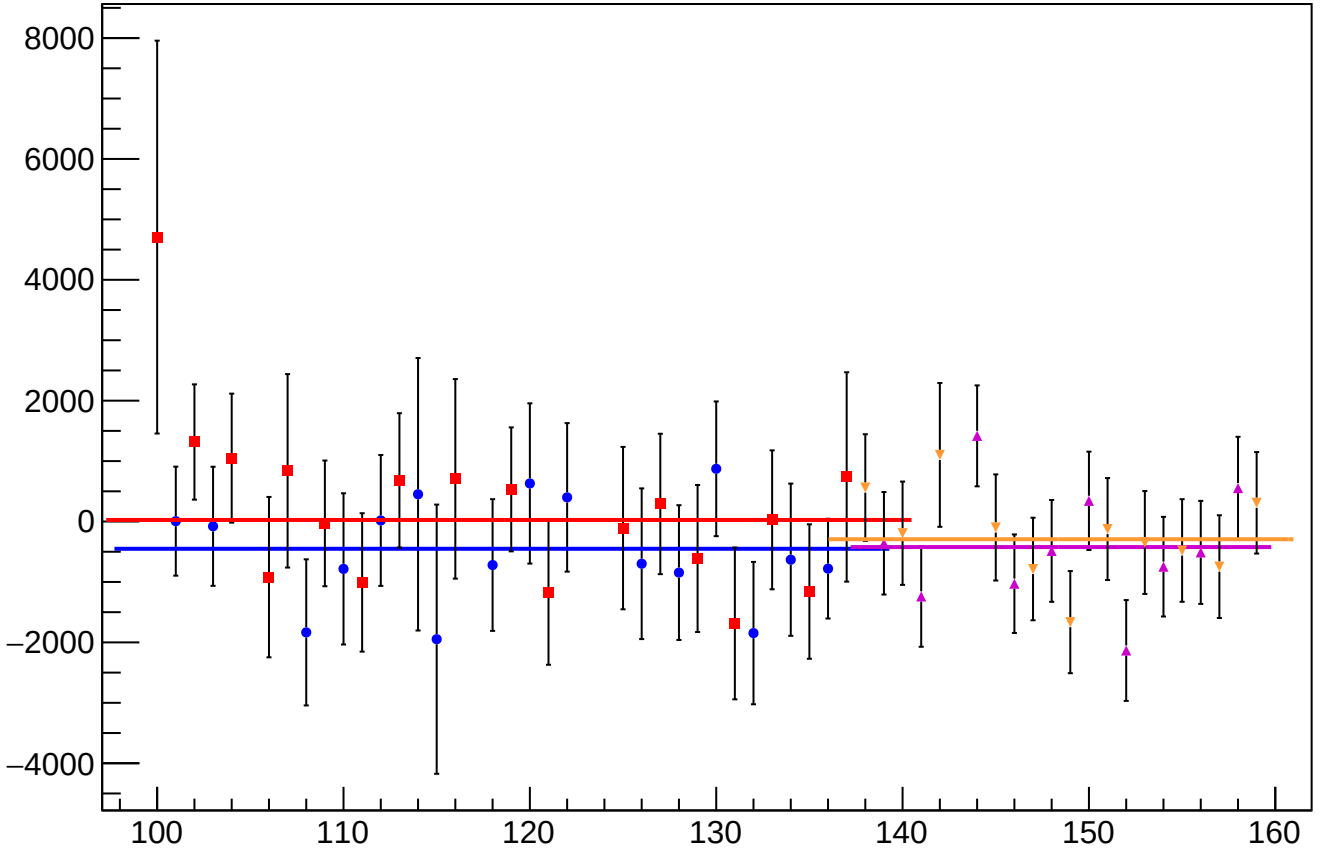
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 45.861+/-0.009 χ^2/NDF:2037739.4/25

Out: 44.705+/-0.008 χ^2/NDF:2635888.3/28

All: 45.271+/-0.006 χ^2/NDF: 4682988.9/54

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -293.138+/-263.344 χ^2/NDF:6.2/10

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

Left In: -422.600+/-263.872 χ^2/NDF:13.0/9

Left: -357.739+/-186.399 χ^2/NDF: 19.3/20

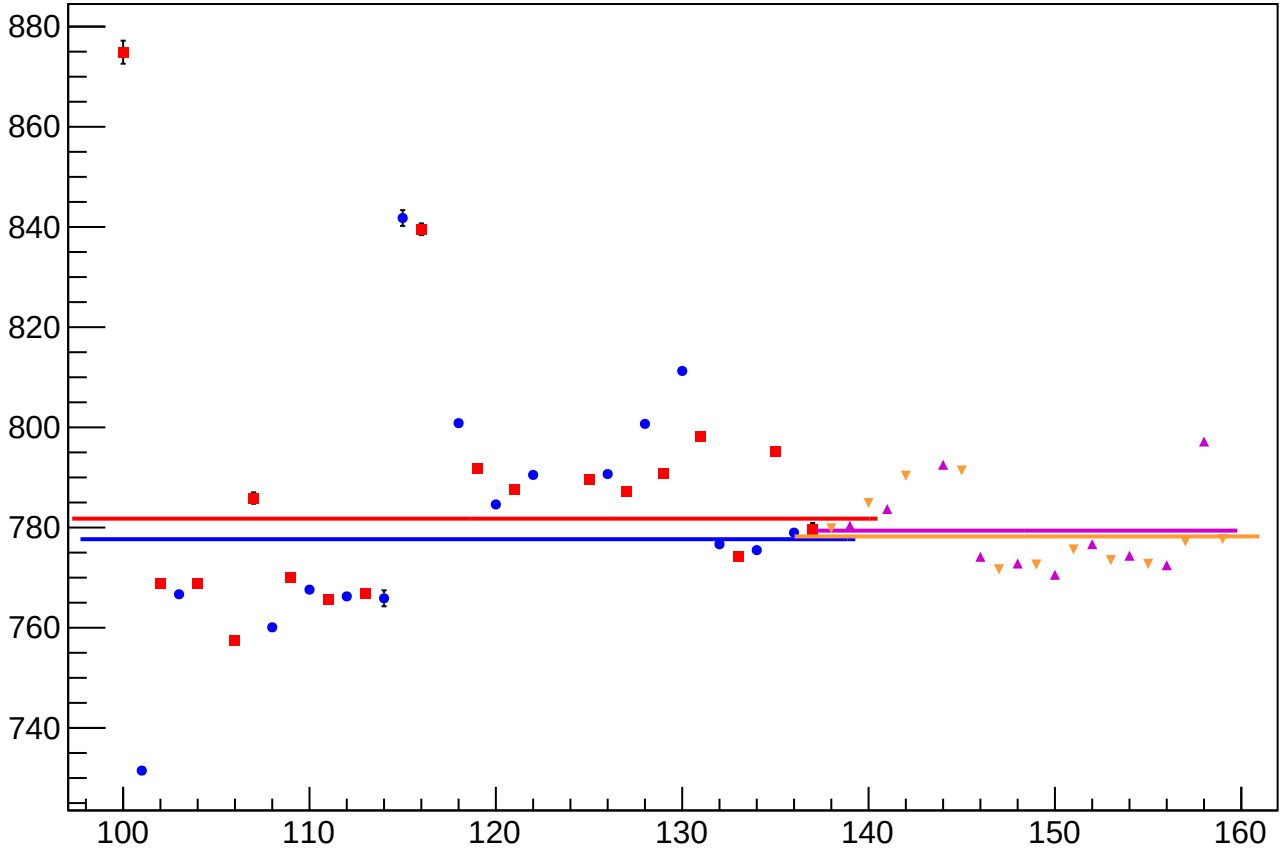
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -435.493+/-194.849 χ^2/NDF:19.9/25

Out: -147.811+/-194.370 χ^2/NDF:18.6/28

All: -291.297+/-137.609 χ^2/NDF: 39.6/54

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.228+/-0.186 χ^2/NDF:1160.3/10

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

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

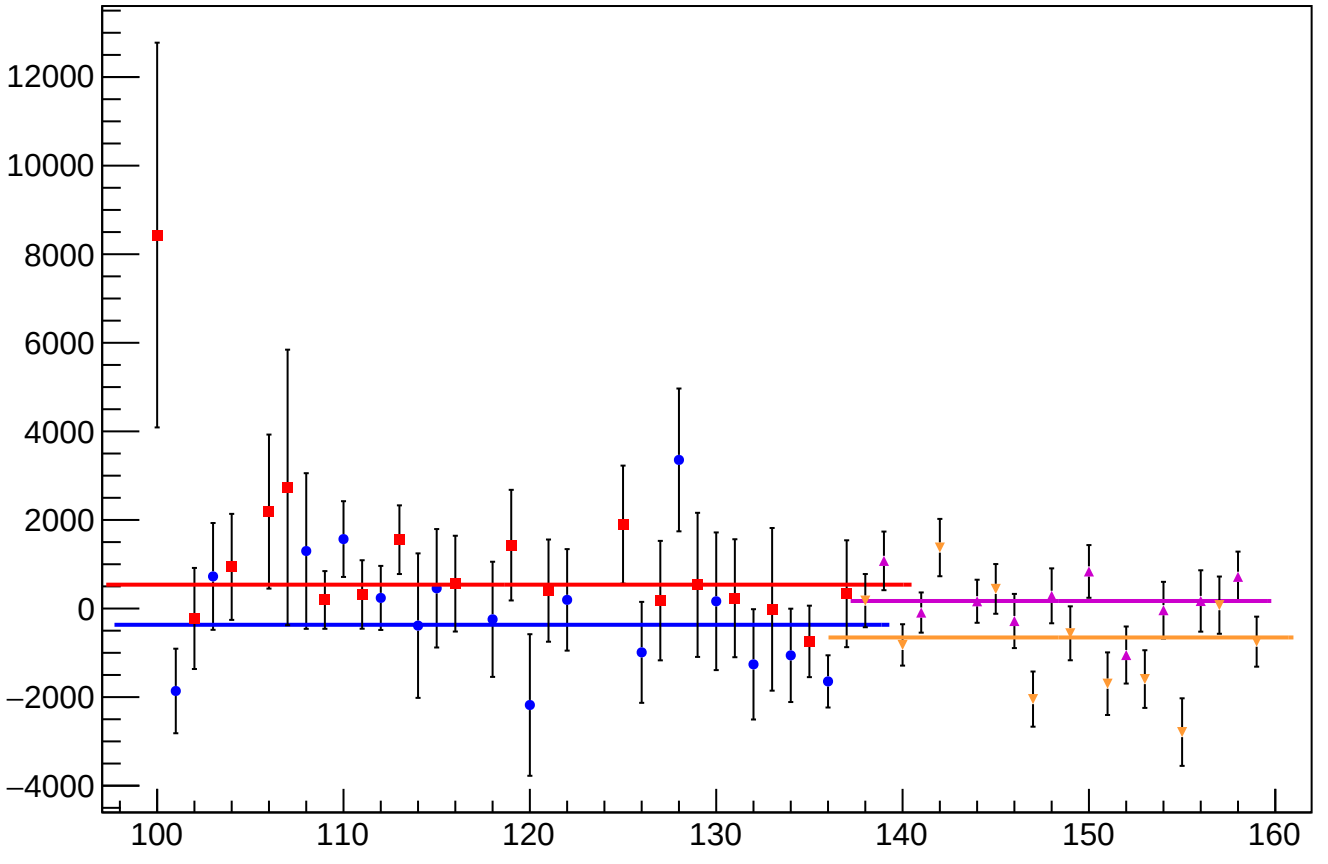
Left: 778.807+/-0.132 χ^2/NDF: 3274.7/20

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

In: 778.609+/-0.138 χ^2/NDF:14188.8/25

Out: 779.843+/-0.137 χ^2/NDF:8951.9/28

All: 779.228+/-0.097 χ^2/NDF: 23181.0/54



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

Left Out: -653.300+/-183.200 χ^2/NDF:34.1/10

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

Left In: 170.294+/-184.124 χ^2/NDF:8.7/9

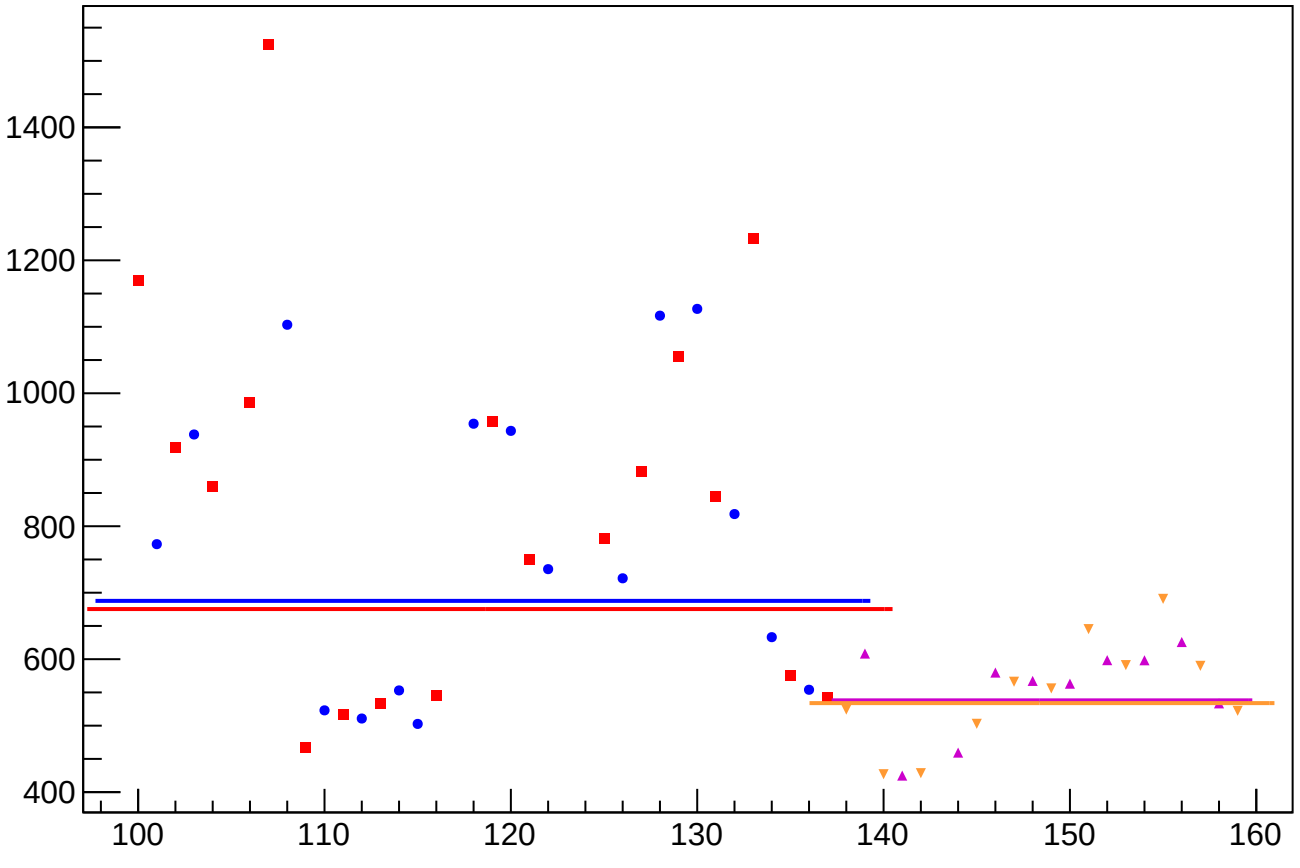
Left: -243.576+/-129.868 χ^2/NDF: 52.8/20

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

In: -3.138+/-151.522 χ^2/NDF:34.7/25

Out: -263.628+/-150.307 χ^2/NDF:59.6/28

All: -134.431+/-106.710 χ^2/NDF: 95.8/54



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

Left Out: 533.922+/-0.130 χ^2/NDF:337913.0/10

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

Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

Left: 535.982+/-0.092 χ^2/NDF: 622648.6/20

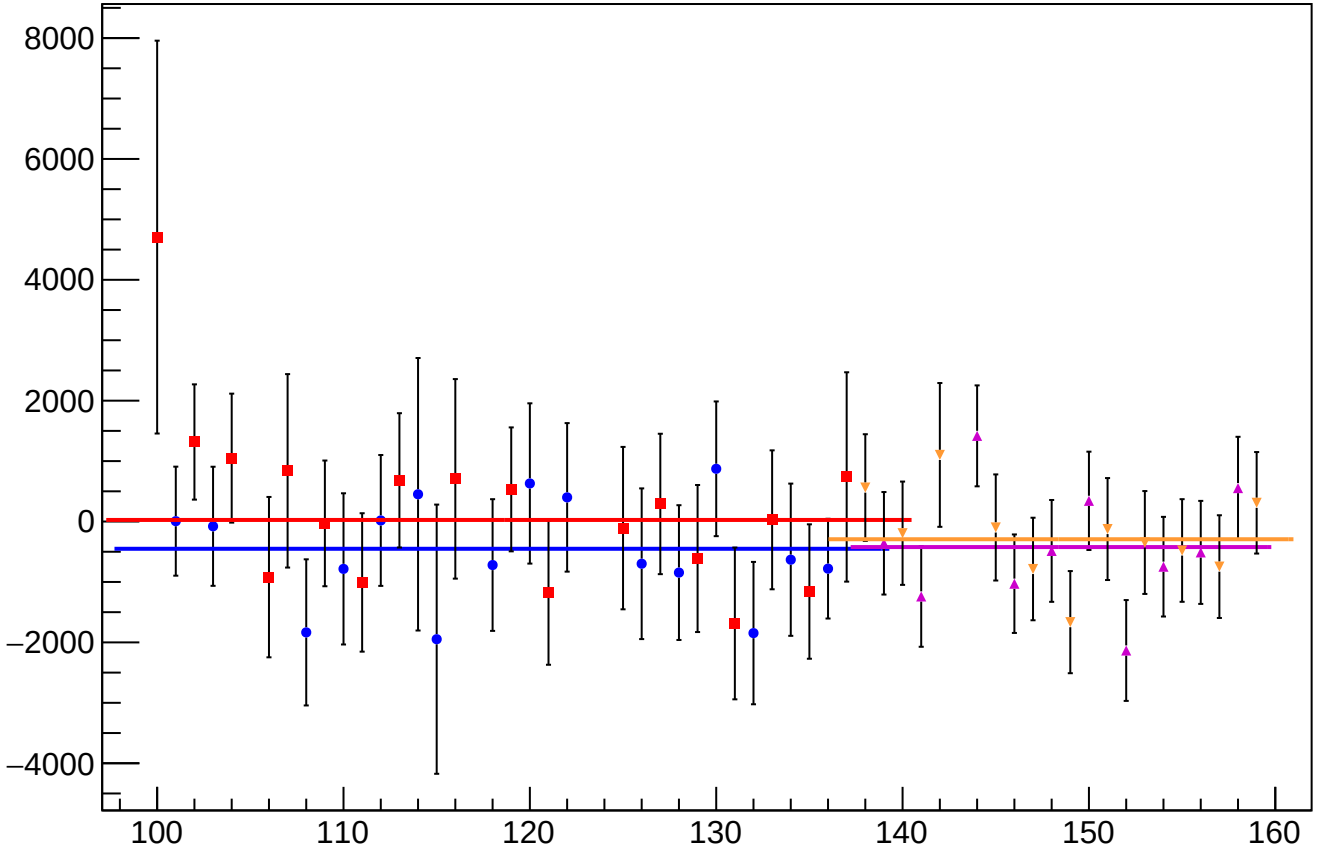
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 586.369+/-0.107 χ^2/NDF:1742604.8/25

Out: 580.168+/-0.106 χ^2/NDF:2040836.0/28

All: 583.243+/-0.075 χ^2/NDF: 3785129.4/54

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -293.138+/-263.344 χ^2/NDF:6.2/10

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

Left In: -422.600+/-263.872 χ^2/NDF:13.0/9

Left: -357.739+/-186.399 χ^2/NDF: 19.3/20

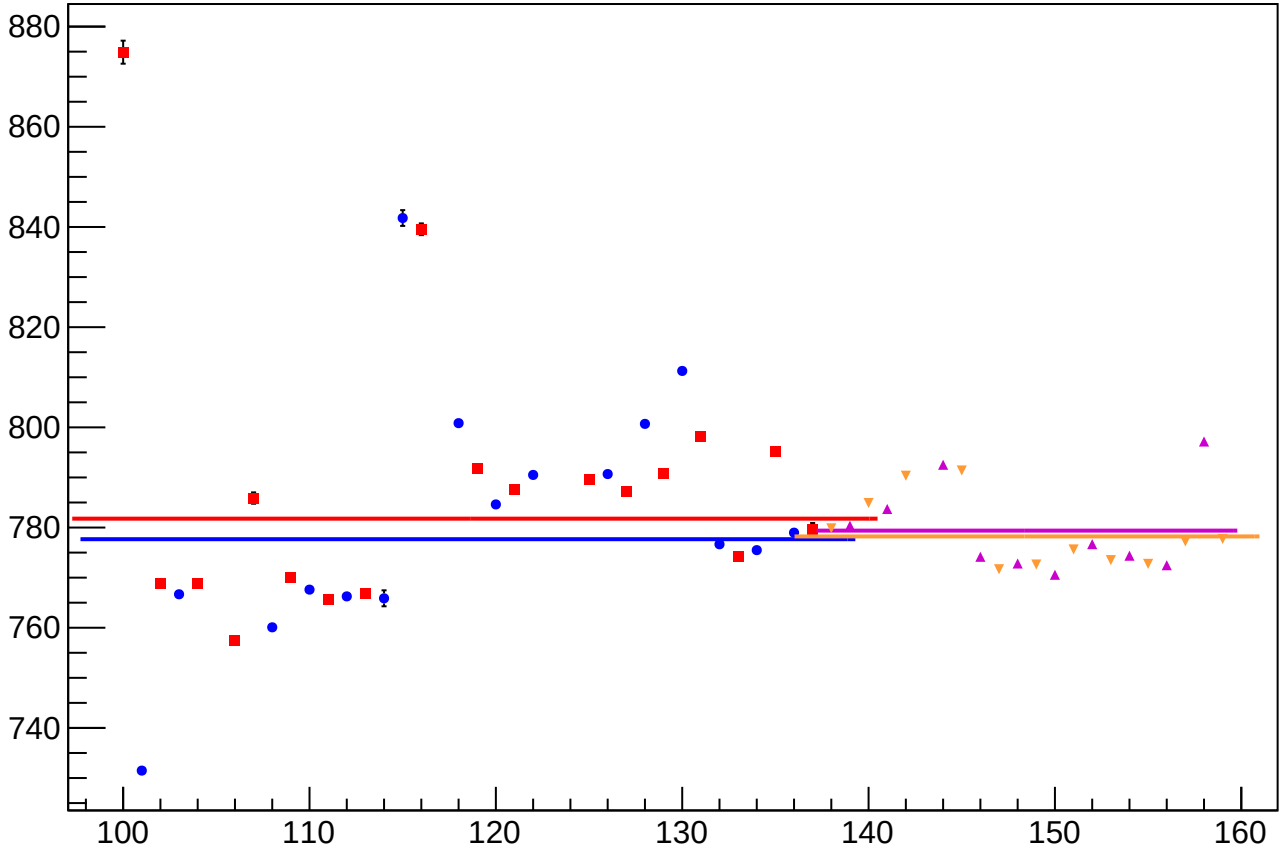
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -435.493+/-194.849 χ^2/NDF:19.9/25

Out: -147.811+/-194.370 χ^2/NDF:18.6/28

All: -291.297+/-137.609 χ^2/NDF: 39.6/54

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.228+/-0.186 χ^2/NDF:1160.3/10

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

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

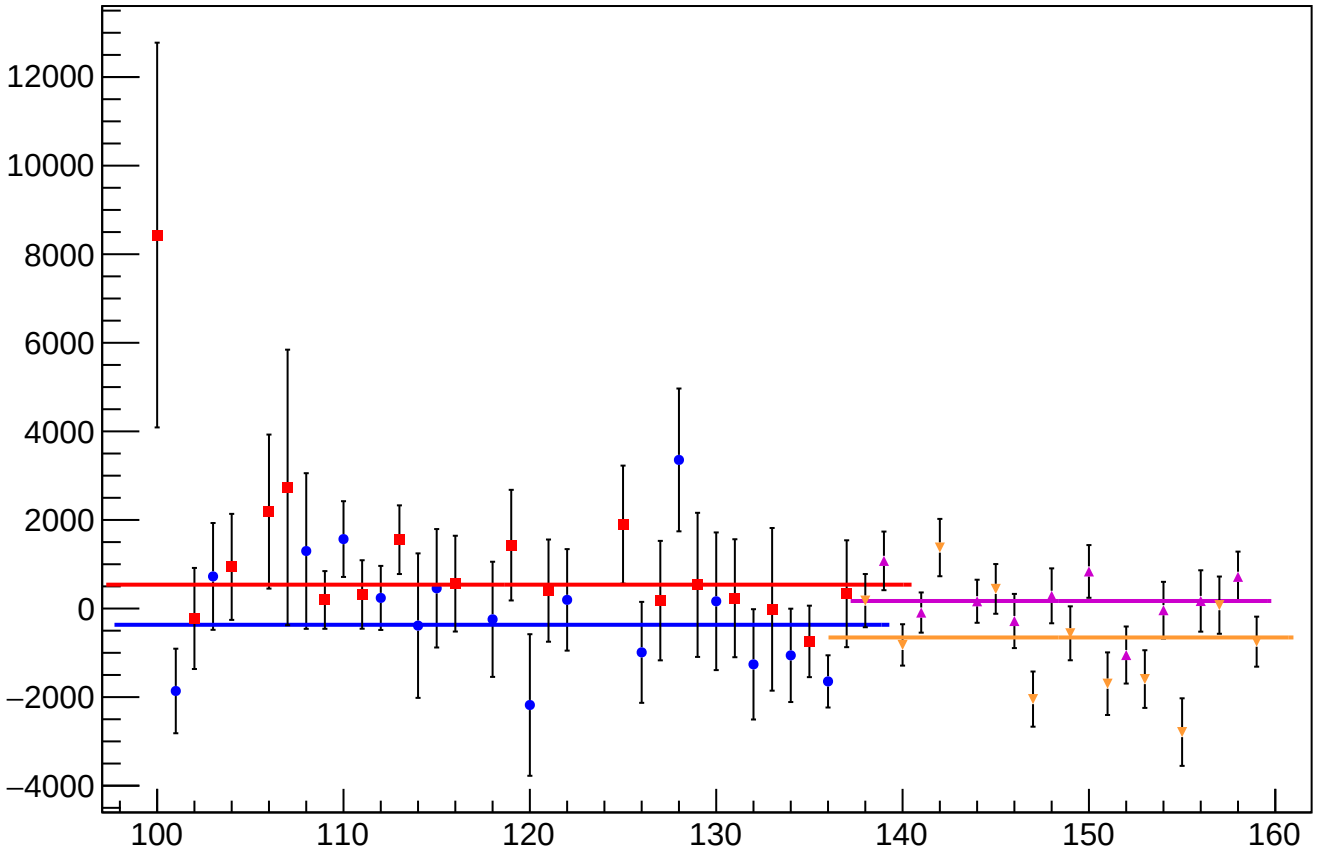
Left: 778.807+/-0.132 χ^2/NDF: 3274.7/20

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

In: 778.609+/-0.138 χ^2/NDF:14188.8/25

Out: 779.843+/-0.137 χ^2/NDF:8951.9/28

All: 779.228+/-0.097 χ^2/NDF: 23181.0/54



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

Left Out: -653.300+/-183.200 χ^2/NDF:34.1/10

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

Left In: 170.294+/-184.124 χ^2/NDF:8.7/9

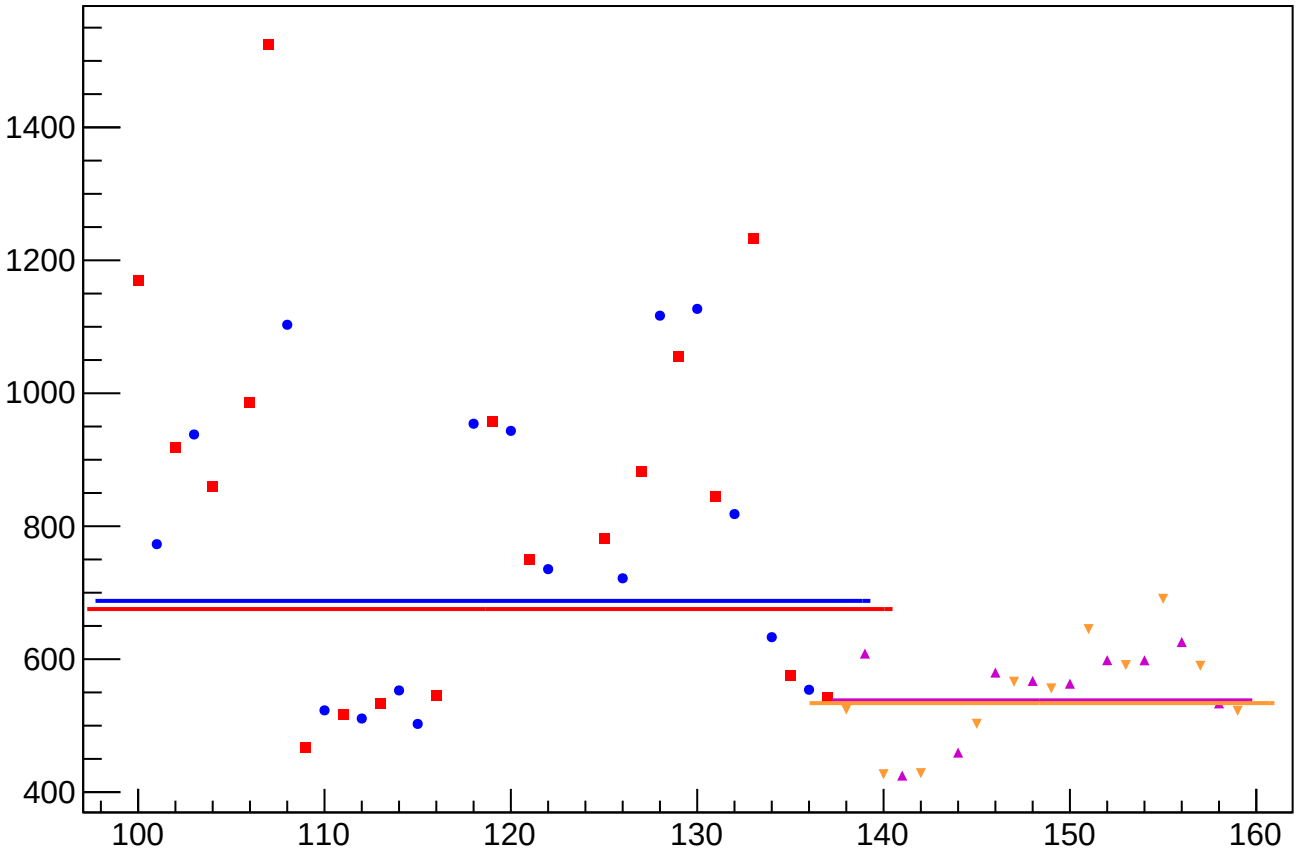
Left: -243.576+/-129.868 χ^2/NDF: 52.8/20

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

In: -3.138+/-151.522 χ^2/NDF:34.7/25

Out: -263.628+/-150.307 χ^2/NDF:59.6/28

All: -134.431+/-106.710 χ^2/NDF: 95.8/54



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

Left Out: 533.922+/-0.130 χ^2/NDF:337913.0/10

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

Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

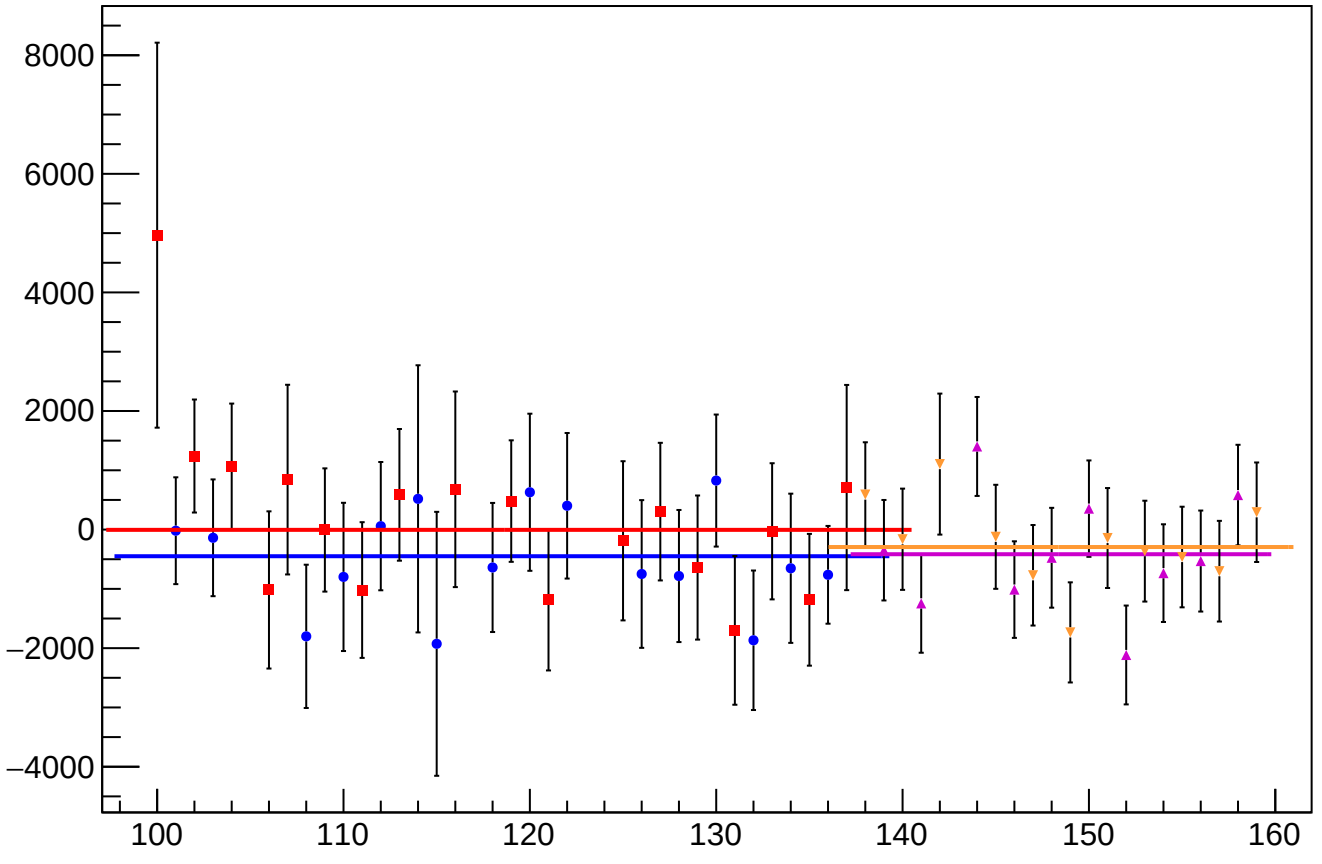
Left: 535.982+/-0.092 χ^2/NDF: 622648.6/20

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

In: 586.369+/-0.107 χ^2/NDF:1742604.8/25

Out: 580.168+/-0.106 χ^2/NDF:2040836.0/28

All: 583.243+/-0.075 χ^2/NDF: 3785129.4/54



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

Left Out: -294.287+/-263.117 χ^2/NDF:6.5/10

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

Left In: -415.620+/-263.662 χ^2/NDF:12.9/9

Left: -354.828+/-186.244 χ^2/NDF: 19.5/20

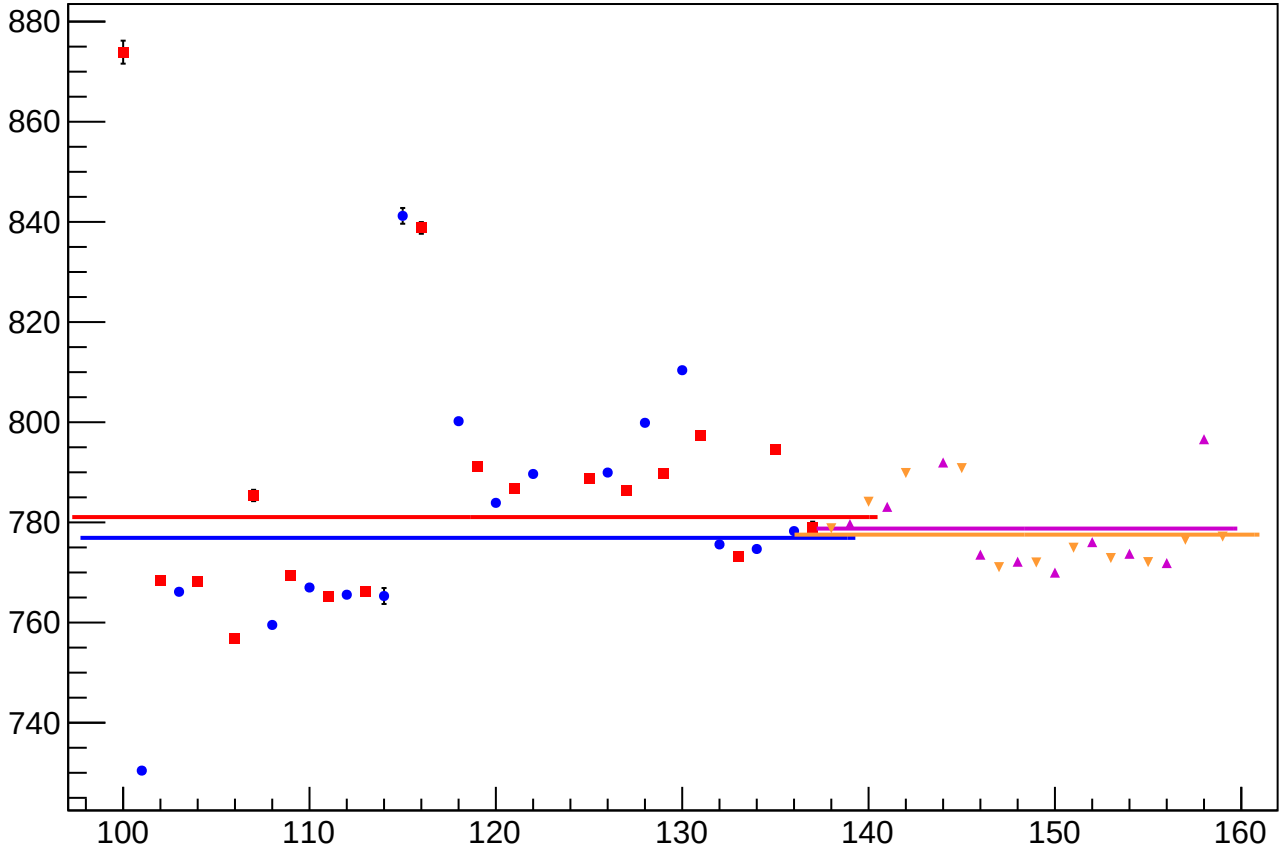
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -430.998+/-194.678 χ^2/NDF:19.7/25

Out: -162.425+/-194.197 χ^2/NDF:18.9/28

All: -296.379+/-137.488 χ^2/NDF: 39.5/54

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.556+/-0.186 χ^2/NDF:1165.2/10

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

Left In: 778.767+/-0.186 χ^2/NDF:2107.4/9

Left: 778.160+/-0.132 χ^2/NDF: 3293.8/20

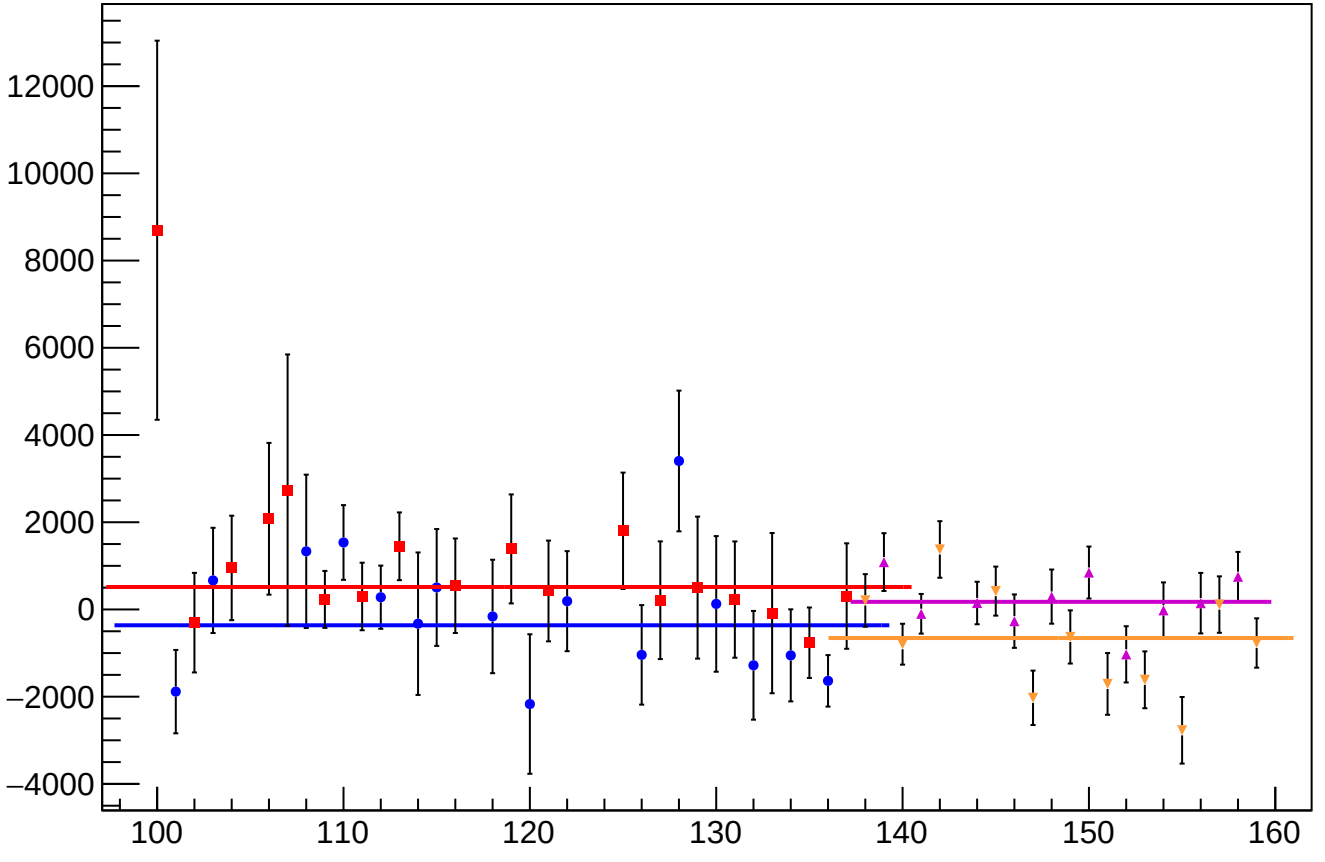
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.924+/-0.138 χ^2/NDF:14276.0/25

Out: 779.151+/-0.137 χ^2/NDF:8912.6/28

All: 778.539+/-0.097 χ^2/NDF: 23228.5/54

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -655.287+/-183.563 χ^2/NDF:33.9/10

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

Left In: 174.827+/-184.447 χ^2/NDF:8.7/9

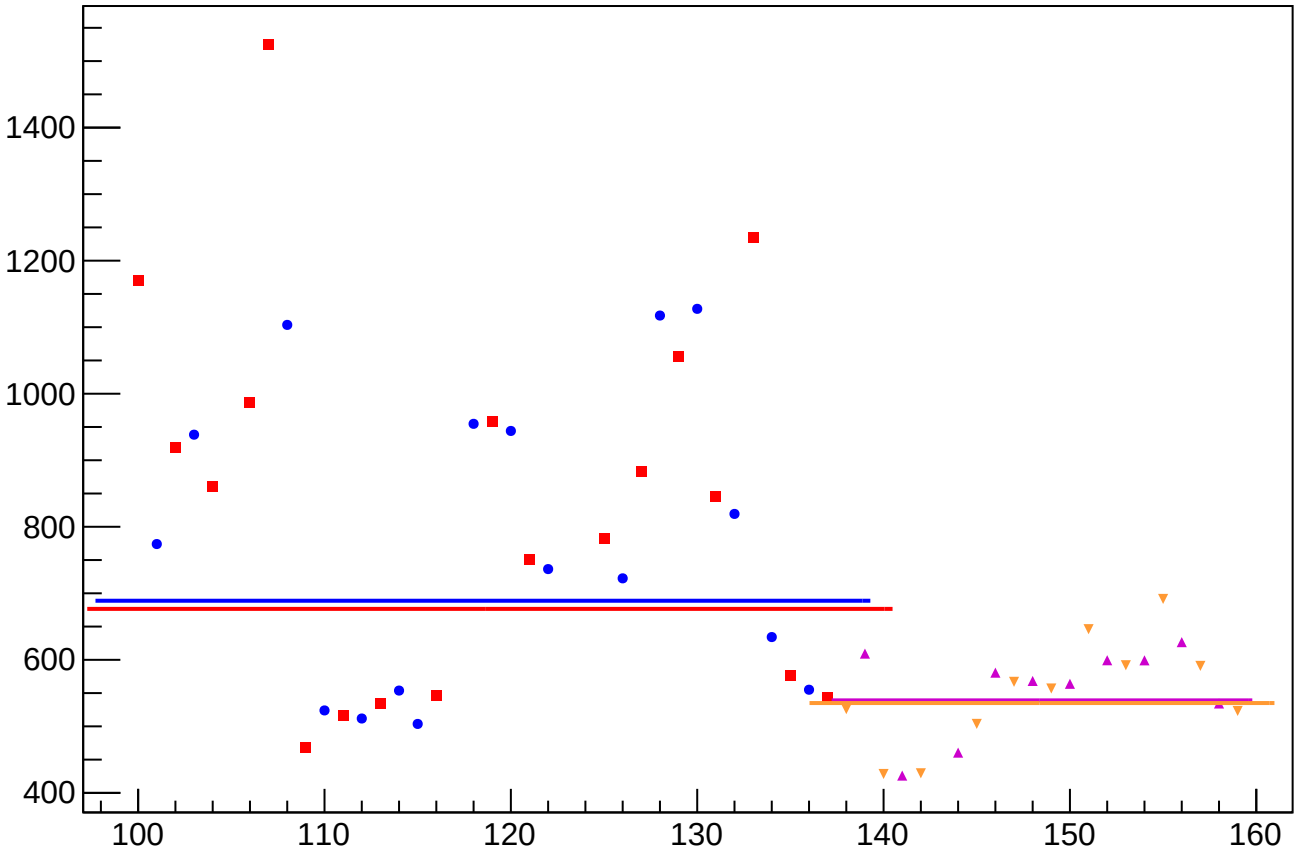
Left: -242.223+/-130.110 χ^2/NDF: 52.8/20

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

In: 1.217+/-151.773 χ^2/NDF:34.8/25

Out: -272.429+/-150.582 χ^2/NDF:58.6/28

All: -136.684+/-106.896 χ^2/NDF: 95.1/54



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

Left Out: 535.042+/-0.130 χ^2/NDF:335083.7/10

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

Left In: 539.045+/-0.130 χ^2/NDF:282245.1/9

Left: 537.034+/-0.092 χ^2/NDF: 617802.1/20

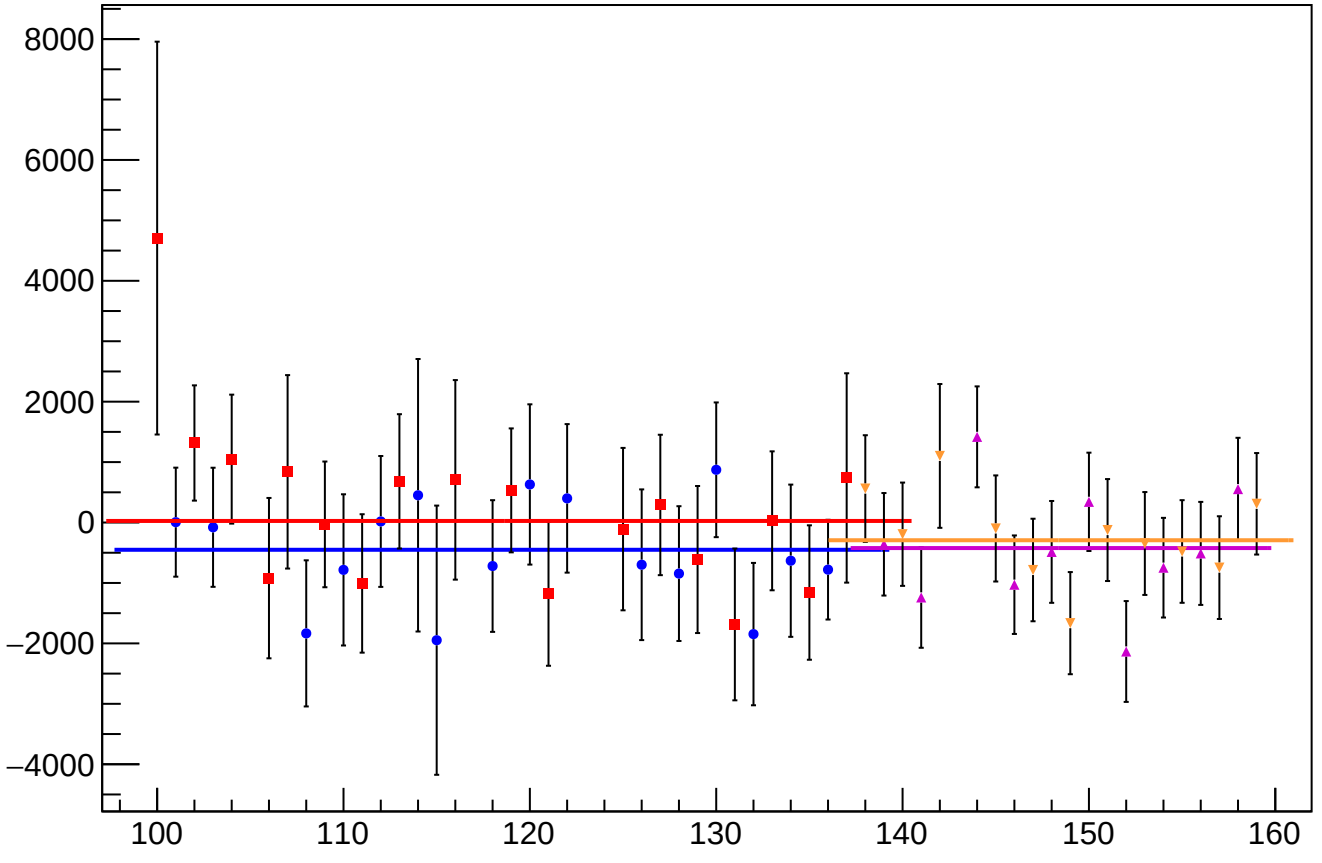
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 587.412+/-0.107 χ^2/NDF:1736257.6/25

Out: 581.332+/-0.106 χ^2/NDF:2031977.9/28

All: 584.348+/-0.076 χ^2/NDF: 3769853.1/54

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -293.138+/-263.344 χ^2/NDF:6.2/10

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

Left In: -422.600+/-263.872 χ^2/NDF:13.0/9

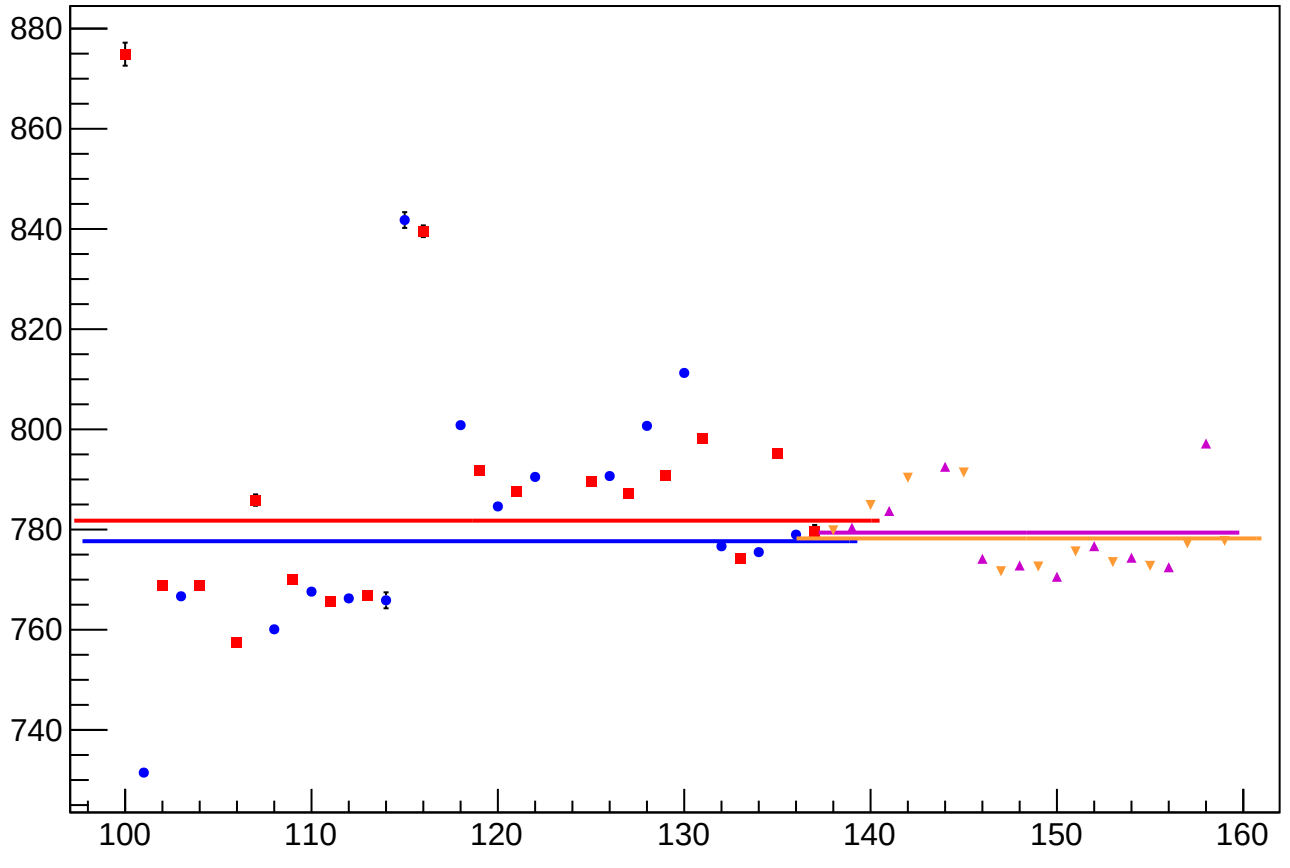
Left: -357.739+/-186.399 χ^2/NDF: 19.3/20

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

In: -435.493+/-194.849 χ^2/NDF:19.9/25

Out: -147.811+/-194.370 χ^2/NDF:18.6/28

All: -291.297+/-137.609 χ^2/NDF: 39.6/54



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

Left Out: 778.228+/-0.186 χ^2/NDF:1160.3/10

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

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

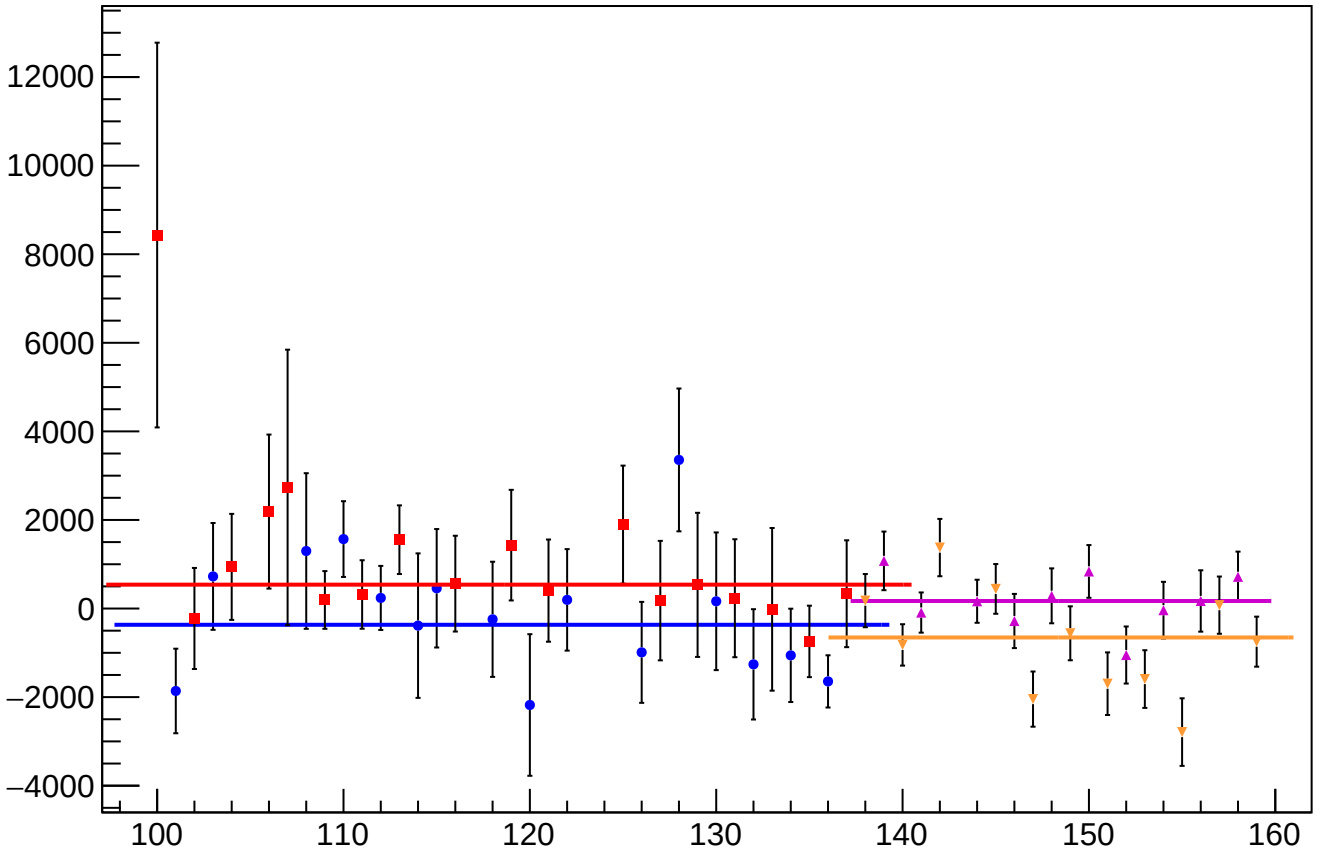
Left: 778.807+/-0.132 χ^2/NDF: 3274.7/20

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

In: 778.609+/-0.138 χ^2/NDF:14188.8/25

Out: 779.843+/-0.137 χ^2/NDF:8951.9/28

All: 779.228+/-0.097 χ^2/NDF: 23181.0/54



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

Left Out: -653.300+/-183.200 χ^2/NDF:34.1/10

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

Left In: 170.294+/-184.124 χ^2/NDF:8.7/9

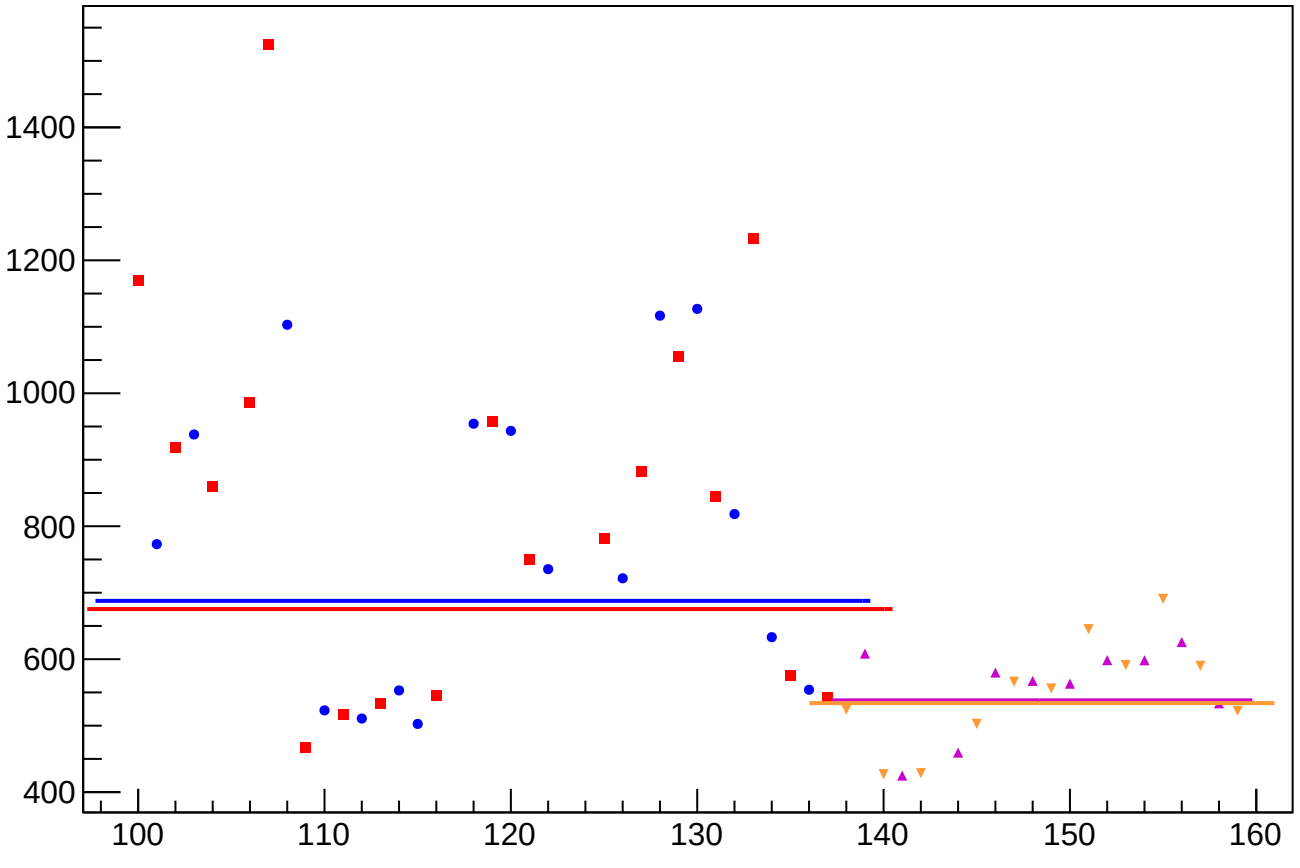
Left: -243.576+/-129.868 χ^2/NDF: 52.8/20

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

In: -3.138+/-151.522 χ^2/NDF:34.7/25

Out: -263.628+/-150.307 χ^2/NDF:59.6/28

All: -134.431+/-106.710 χ^2/NDF: 95.8/54



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

Left Out: 533.922+/-0.130 χ^2/NDF:337913.0/10

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

Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

Left: 535.982+/-0.092 χ^2/NDF: 622648.6/20

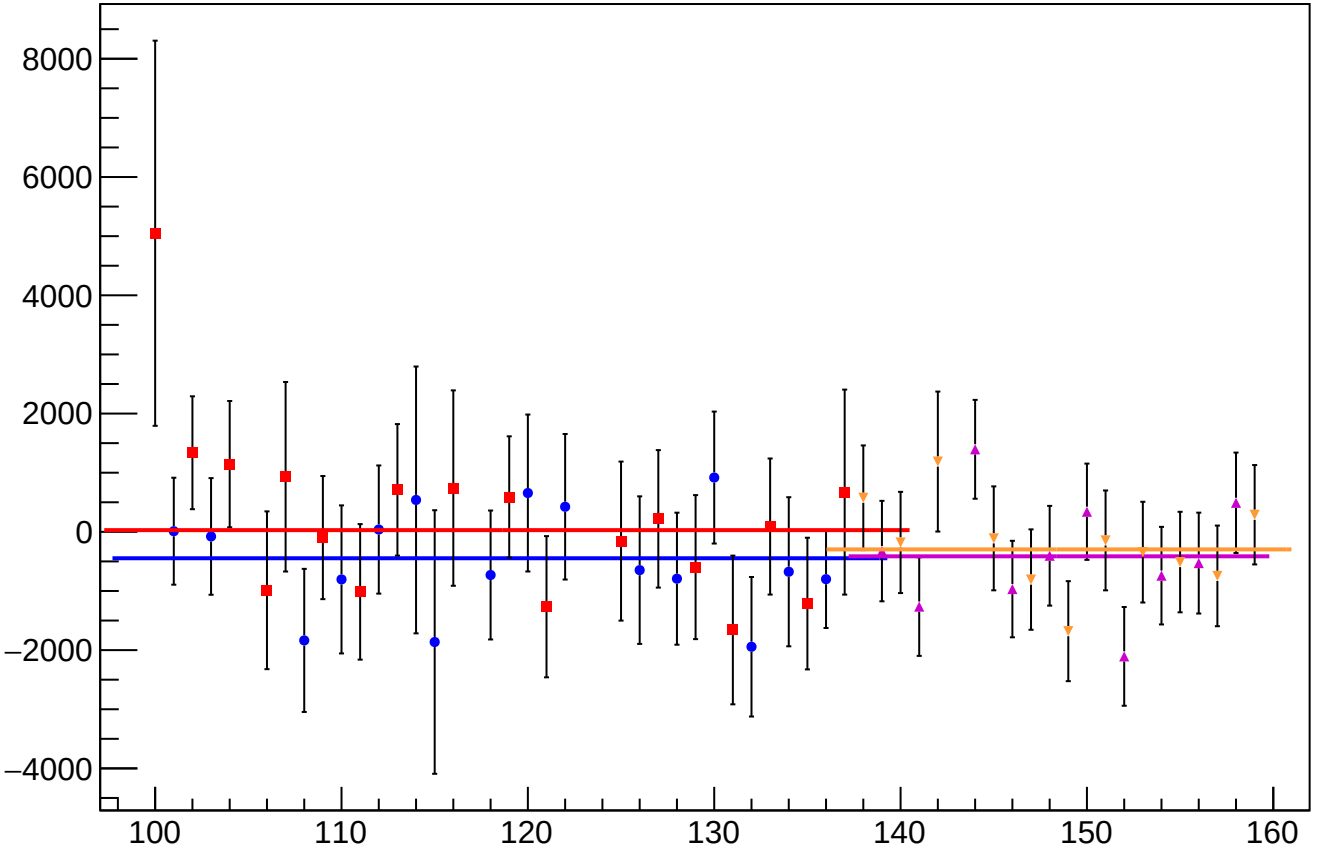
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 586.369+/-0.107 χ^2/NDF:1742604.8/25

Out: 580.168+/-0.106 χ^2/NDF:2040836.0/28

All: 583.243+/-0.075 χ^2/NDF: 3785129.4/54

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -296.879+/-263.526 χ^2/NDF:6.5/10

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

Left In: -413.920+/-264.071 χ^2/NDF:12.5/9

Left: -355.278+/-186.534 χ^2/NDF: 19.1/20

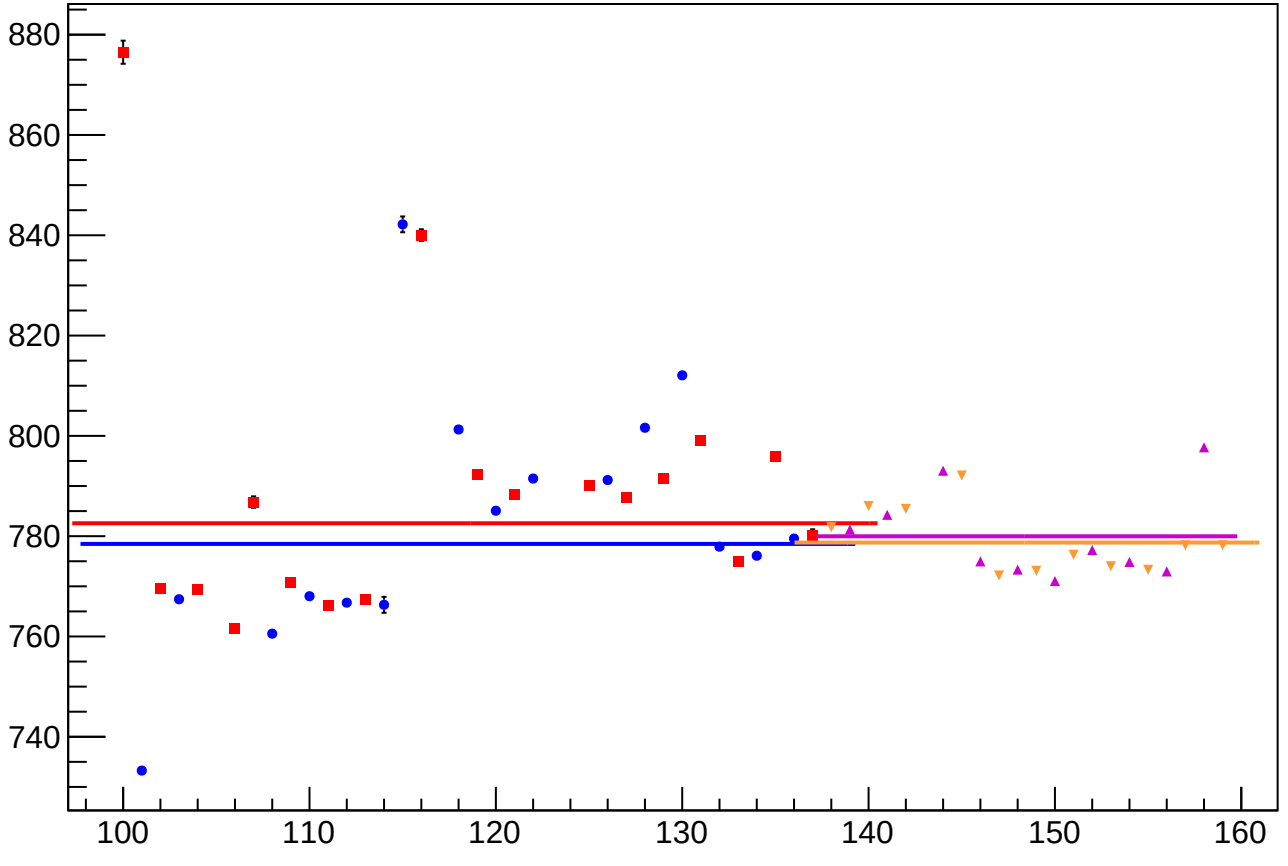
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -428.803+/-195.018 χ^2/NDF:19.8/25

Out: -148.678+/-194.533 χ^2/NDF:19.8/28

All: -288.391+/-137.727 χ^2/NDF: 40.6/54

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.729+/-0.186 χ^2/NDF:1065.5/10

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

Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

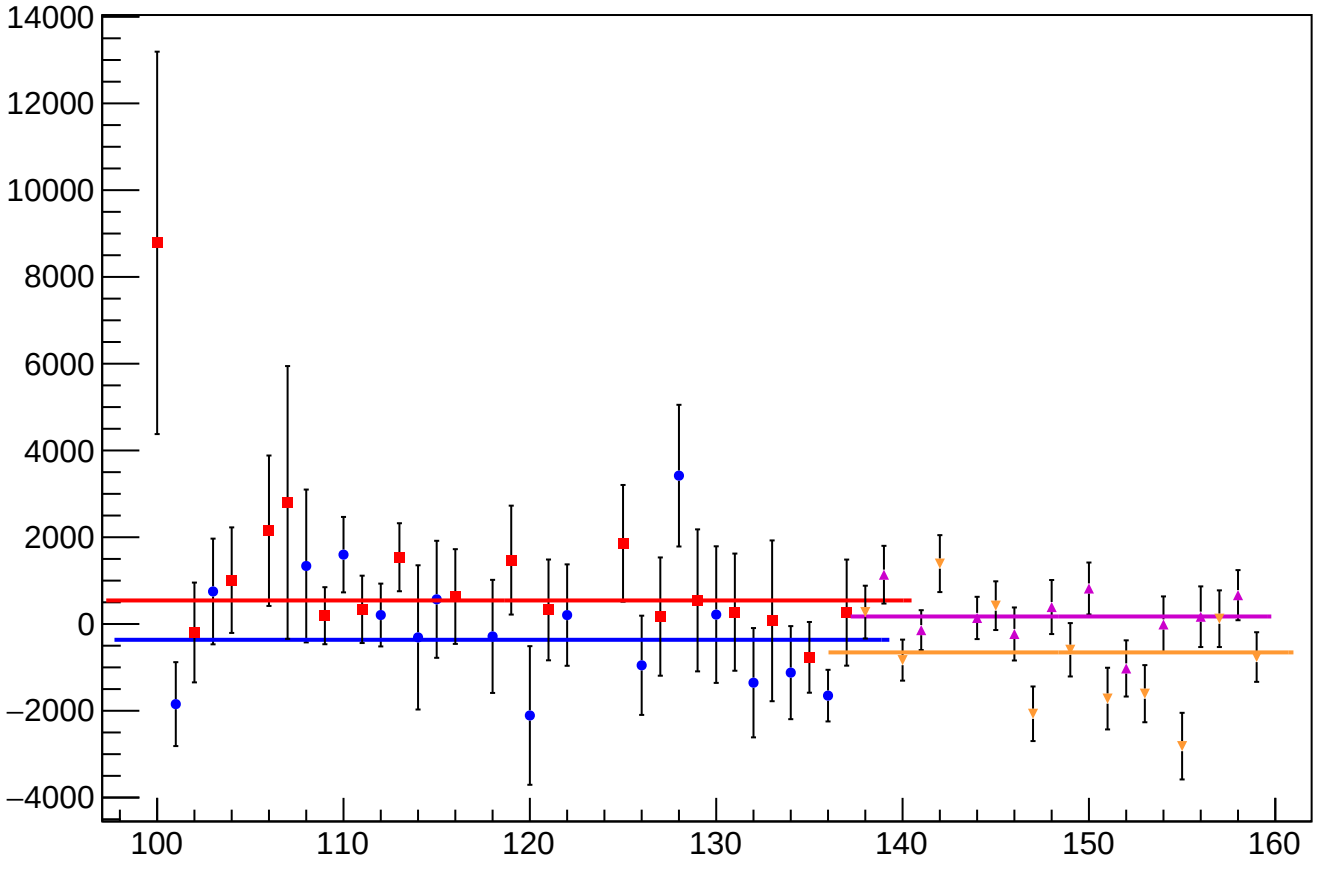
Left: 779.352+/-0.132 χ^2/NDF: 3181.6/20

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

In: 779.286+/-0.138 χ^2/NDF:13919.1/25

Out: 780.479+/-0.138 χ^2/NDF:8740.8/28

All: 779.884+/-0.097 χ^2/NDF: 22697.5/54



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

Left Out: -654.638+/-185.002 χ^2/NDF:34.6/10

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

Left In: 173.361+/-185.407 χ^2/NDF:8.5/9

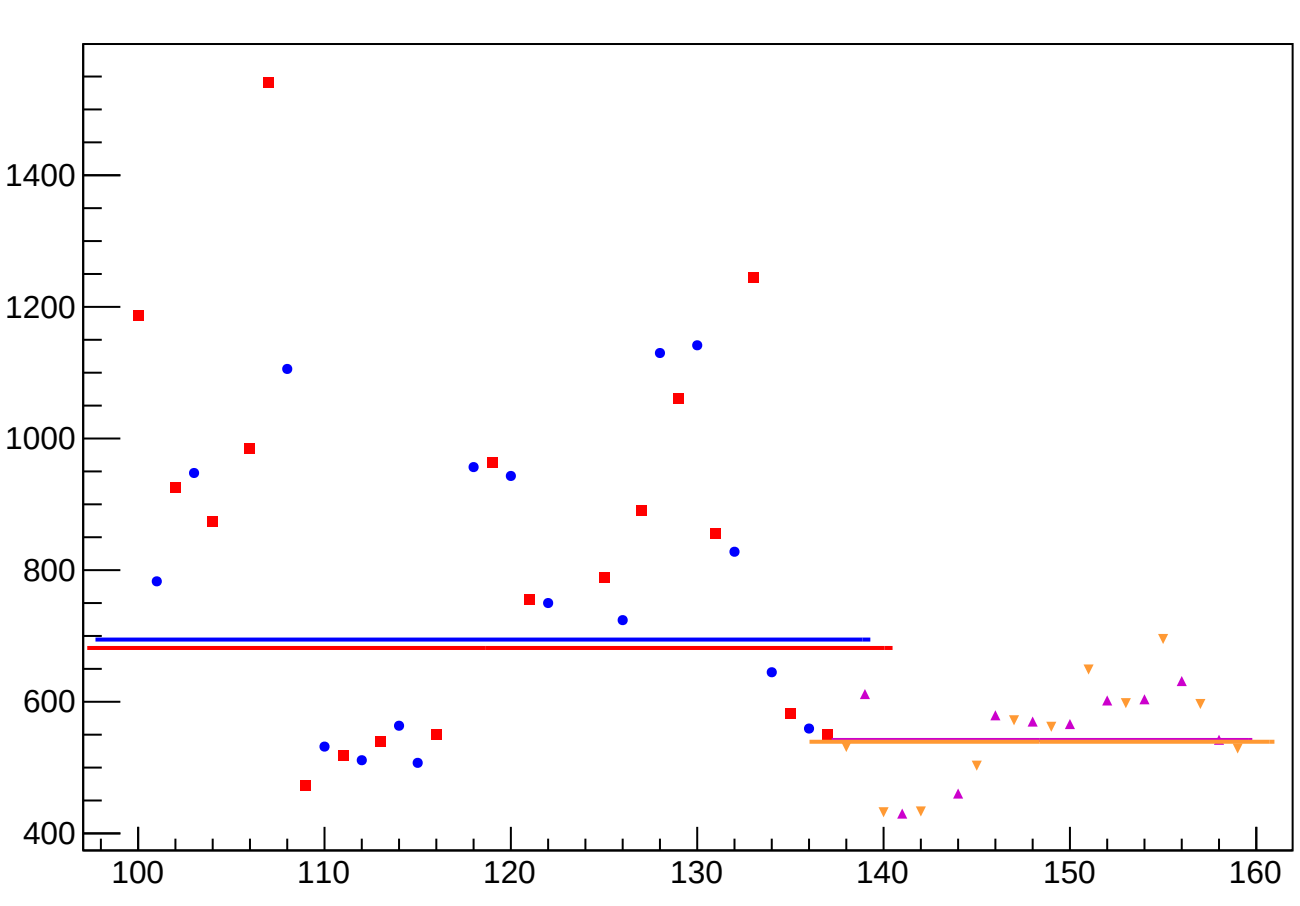
Left: -241.544+/-130.959 χ^2/NDF: 53.1/20

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

In: 0.580+/-152.717 χ^2/NDF:34.5/25

Out: -262.786+/-151.745 χ^2/NDF:60.1/28

All: -131.944+/-107.642 χ^2/NDF: 96.1/54



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

Left Out: 539.256+/-0.131 χ^2/NDF:333904.3/10

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

Left In: 541.973+/-0.131 χ^2/NDF:279674.6/9

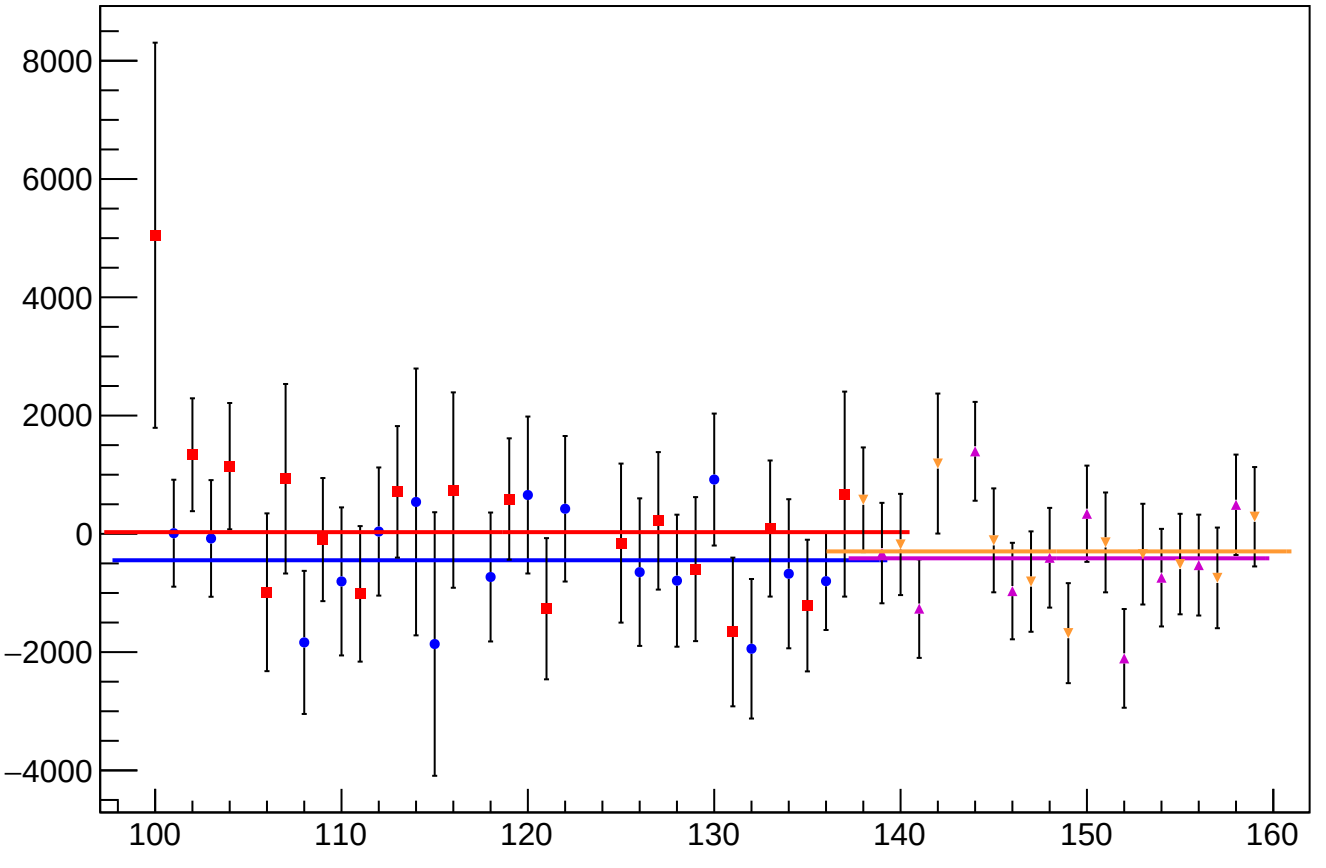
Left: 540.612+/-0.093 χ^2/NDF: 613794.1/20

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

In: 591.025+/-0.108 χ^2/NDF:1744915.9/25

Out: 585.881+/-0.107 χ^2/NDF:2033440.8/28

All: 588.437+/-0.076 χ^2/NDF: 3779498.8/54



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

Left Out: -296.881+/-263.526 χ^2/NDF:6.5/10

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

Left In: -413.919+/-264.071 χ^2/NDF:12.5/9

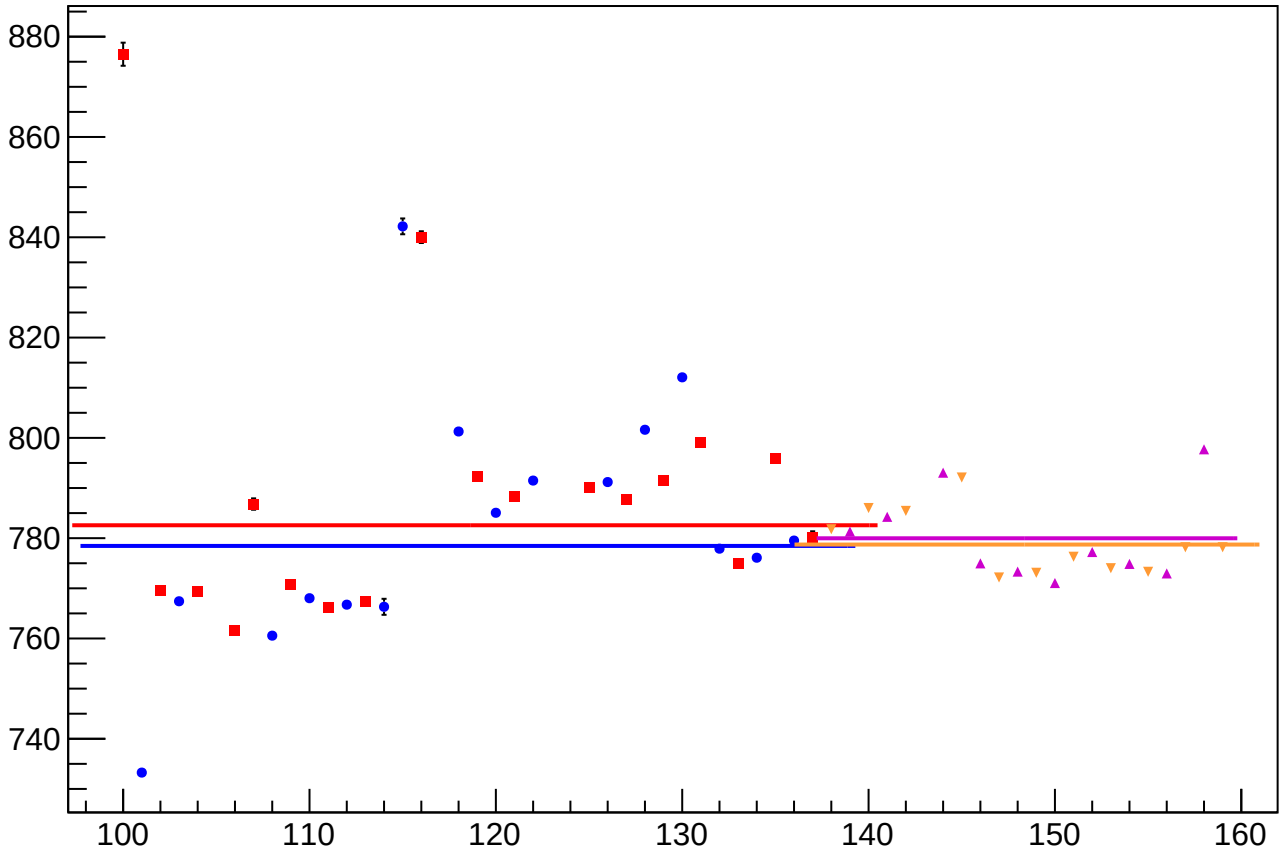
Left: -355.279+/-186.534 χ^2/NDF: 19.1/20

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

In: -428.803+/-195.018 χ^2/NDF:19.8/25

Out: -148.679+/-194.533 χ^2/NDF:19.8/28

All: -288.392+/-137.727 χ^2/NDF: 40.6/54



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

Left Out: 778.729+/-0.186 χ^2/NDF:1065.5/10

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

Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

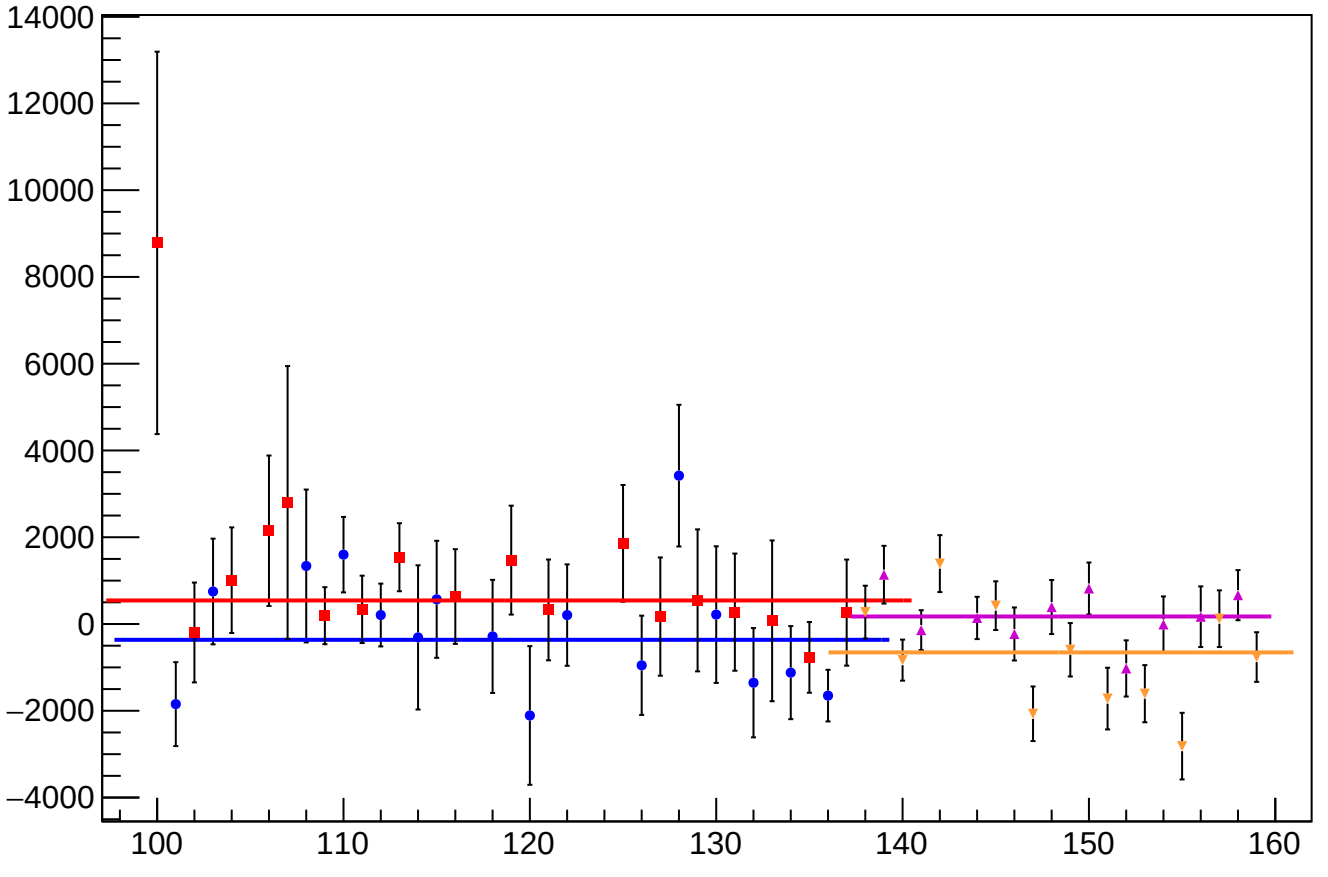
Left: 779.352+/-0.132 χ^2/NDF: 3181.6/20

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

In: 779.286+/-0.138 χ^2/NDF:13919.1/25

Out: 780.479+/-0.138 χ^2/NDF:8740.8/28

All: 779.884+/-0.097 χ^2/NDF: 22697.4/54



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

Left Out: -654.638+/-185.002 χ^2/NDF:34.6/10

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

Left In: 173.361+/-185.408 χ^2/NDF:8.5/9

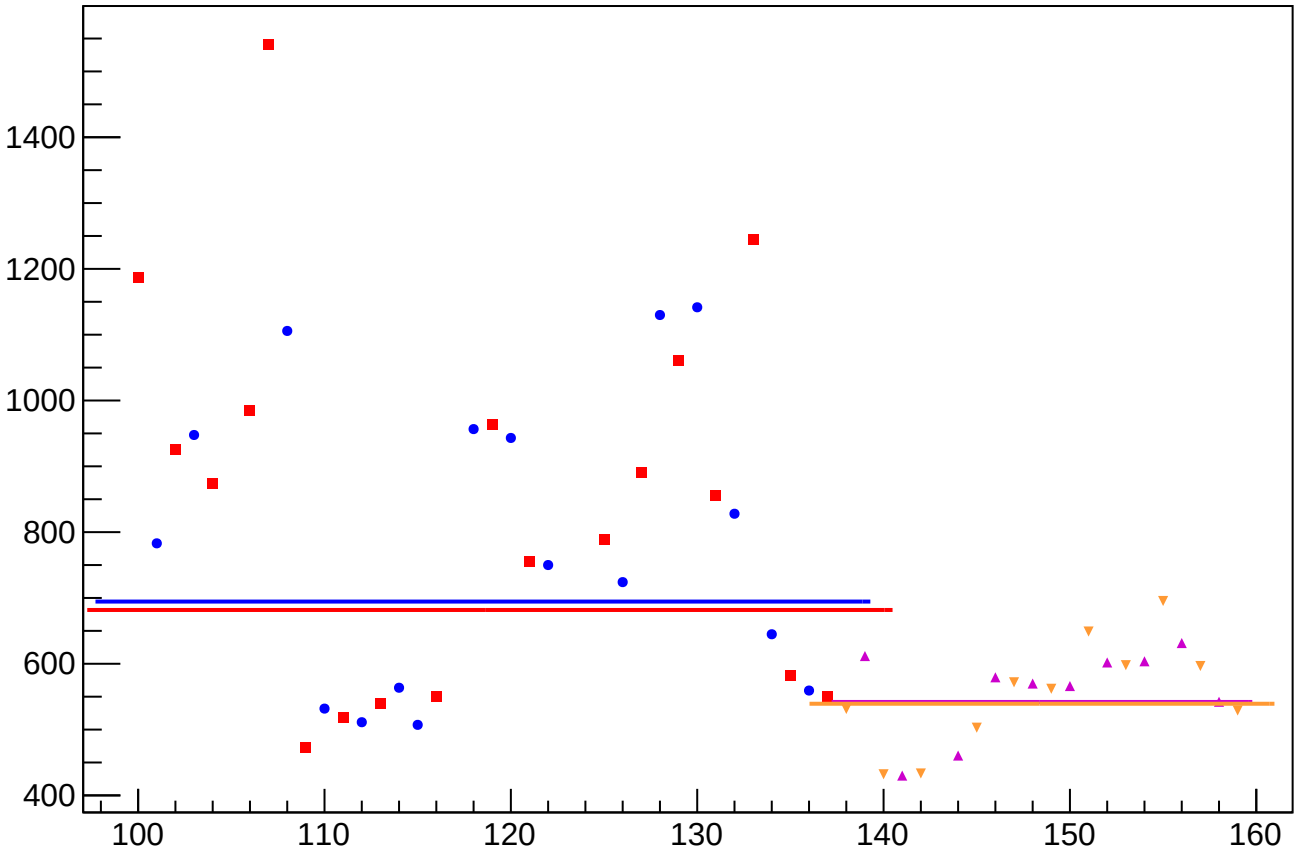
Left: -241.544+/-130.959 χ^2/NDF: 53.1/20

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

In: 0.580+/-152.716 χ^2/NDF:34.5/25

Out: -262.784+/-151.745 χ^2/NDF:60.1/28

All: -131.943+/-107.642 χ^2/NDF: 96.1/54



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

Left Out: 539.256+/-0.131 χ^2/NDF:333917.1/10

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

Left In: 541.973+/-0.131 χ^2/NDF:279687.0/9

Left: 540.612+/-0.093 χ^2/NDF: 613819.4/20

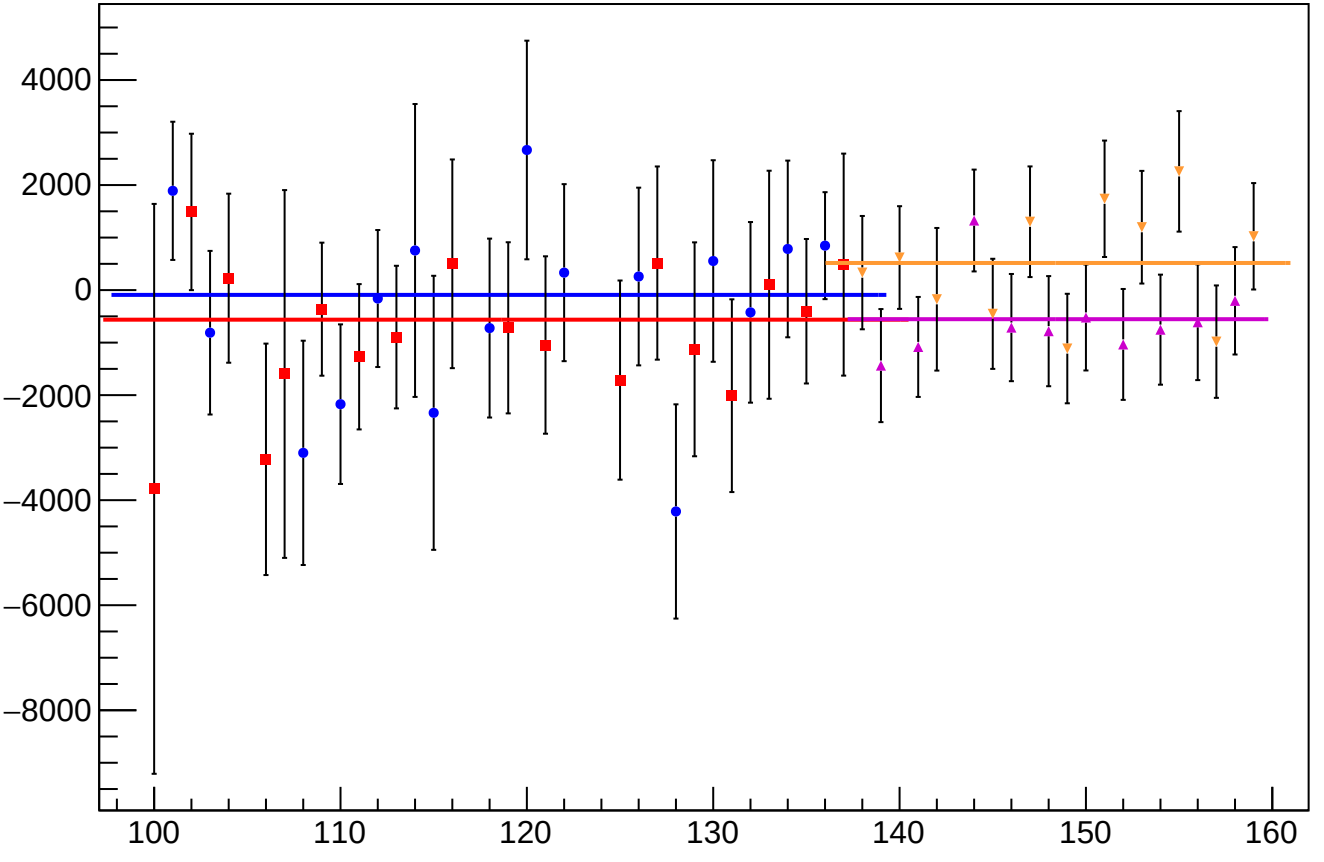
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 591.025+/-0.108 χ^2/NDF:1744921.5/25

Out: 585.880+/-0.107 χ^2/NDF:2033457.0/28

All: 588.436+/-0.076 χ^2/NDF: 3779520.6/54

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 516.473+/-324.981 χ^2/NDF:10.3/10

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

Left In: -554.008+/-324.951 χ^2/NDF:5.2/9

Left: -18.816+/-229.786 χ^2/NDF: 20.9/20

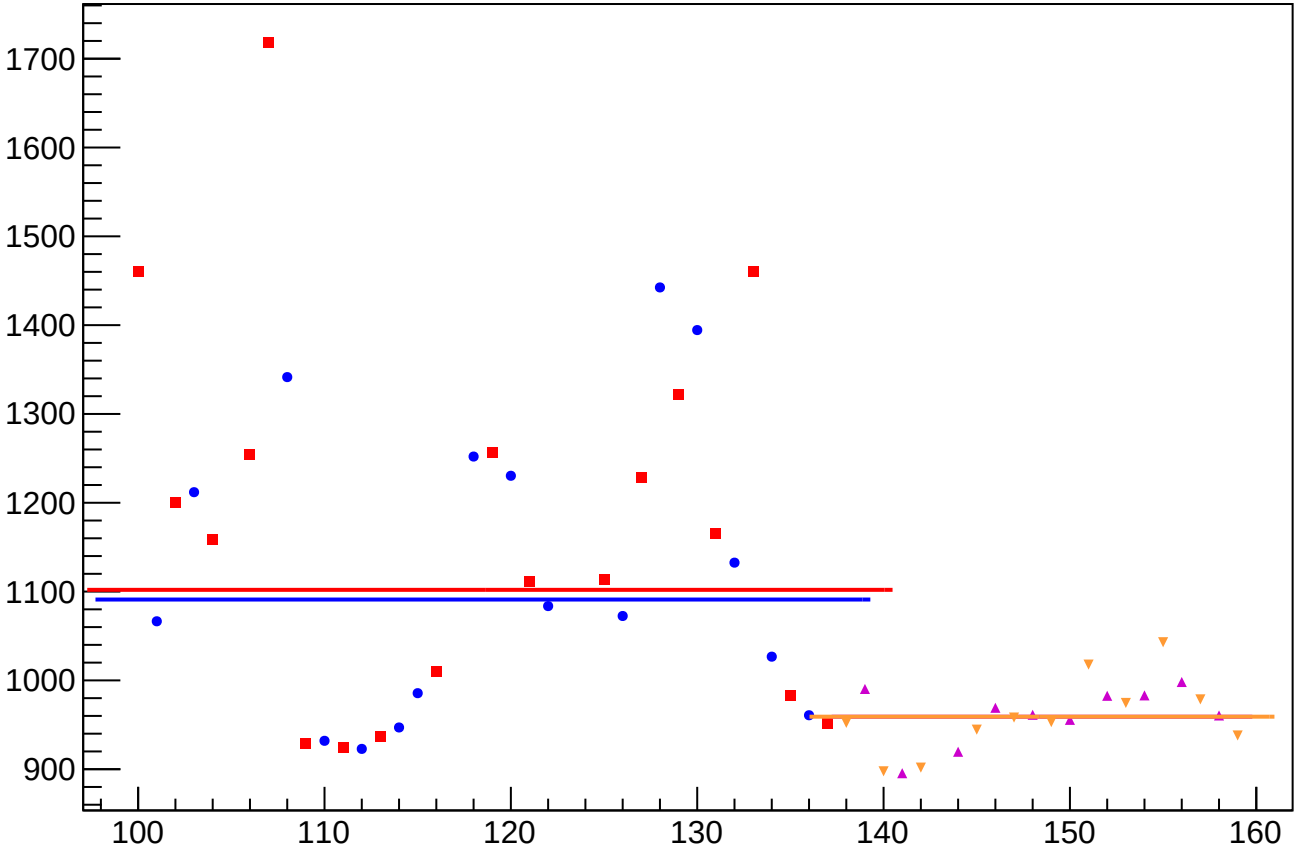
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -375.470+/-254.655 χ^2/NDF:20.5/25

Out: 101.791+/-255.053 χ^2/NDF:21.1/28

All: -137.212+/-180.209 χ^2/NDF: 43.3/54

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 959.138+/-0.230 χ^2/NDF:30249.6/10

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

Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

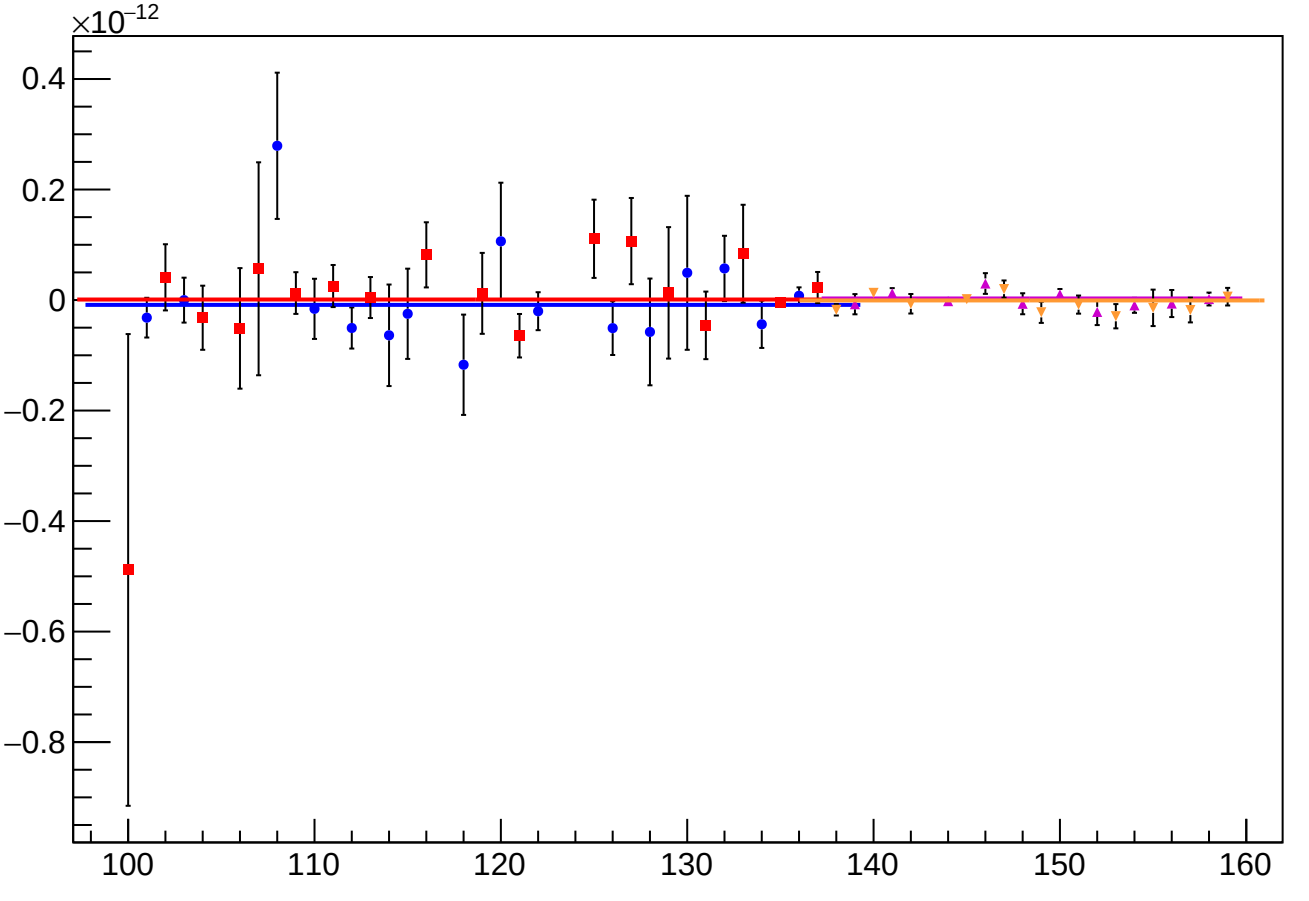
Left: 959.102+/-0.162 χ^2/NDF: 48972.4/20

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

In: 1009.990+/-0.180 χ^2/NDF:423321.0/25

Out: 1013.986+/-0.180 χ^2/NDF:506694.5/28

All: 1011.984+/-0.127 χ^2/NDF: 930261.4/54



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/10

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

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

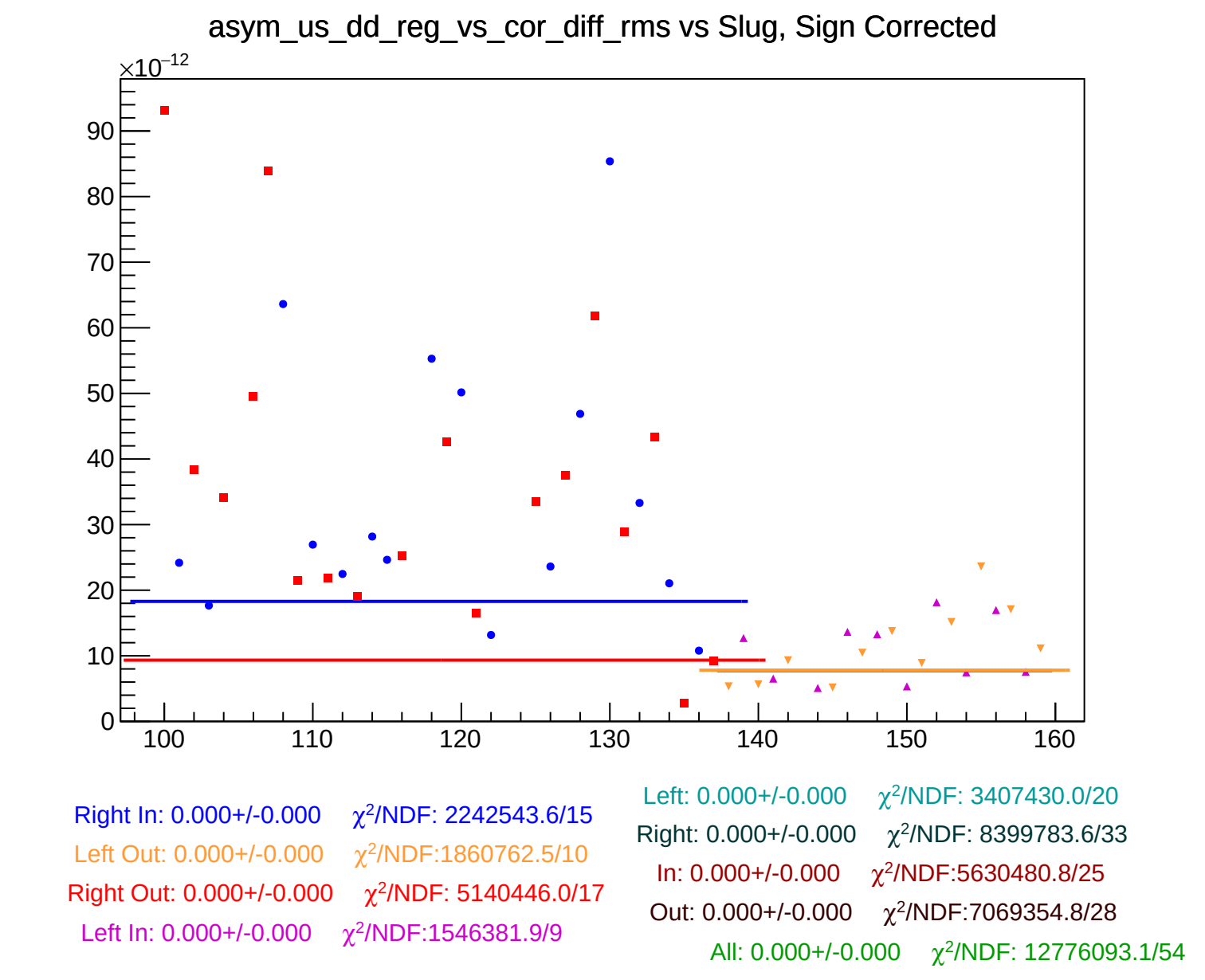
Left: 0.000+/-0.000 χ^2/NDF: 18.9/20

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

In: 0.000+/-0.000 χ^2/NDF:21.6/25

Out: -0.000+/-0.000 χ^2/NDF:26.3/28

All: 0.000+/-0.000 χ^2/NDF: 47.9/54


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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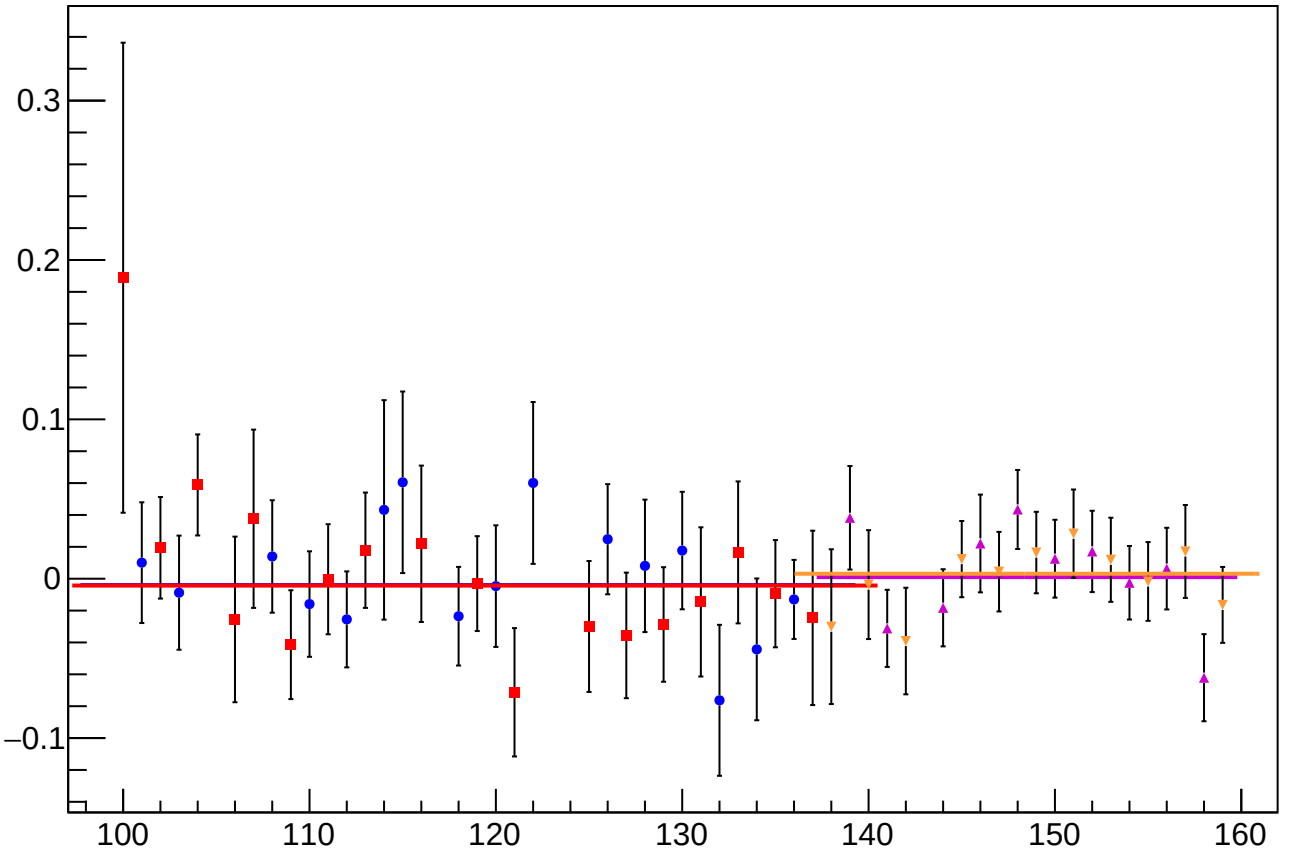
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1860762.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1546381.9/9
Left: 0.000+/-0.000 χ²/NDF: 3407430.0/20
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5630480.8/25
Out: 0.000+/-0.000 χ²/NDF:7069354.8/28
All: 0.000+/-0.000 χ²/NDF: 12776093.1/54



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

Left Out: 0.003+/-0.008 χ^2/NDF:4.4/10

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

Left In: 0.001+/-0.008 χ^2/NDF:13.1/9

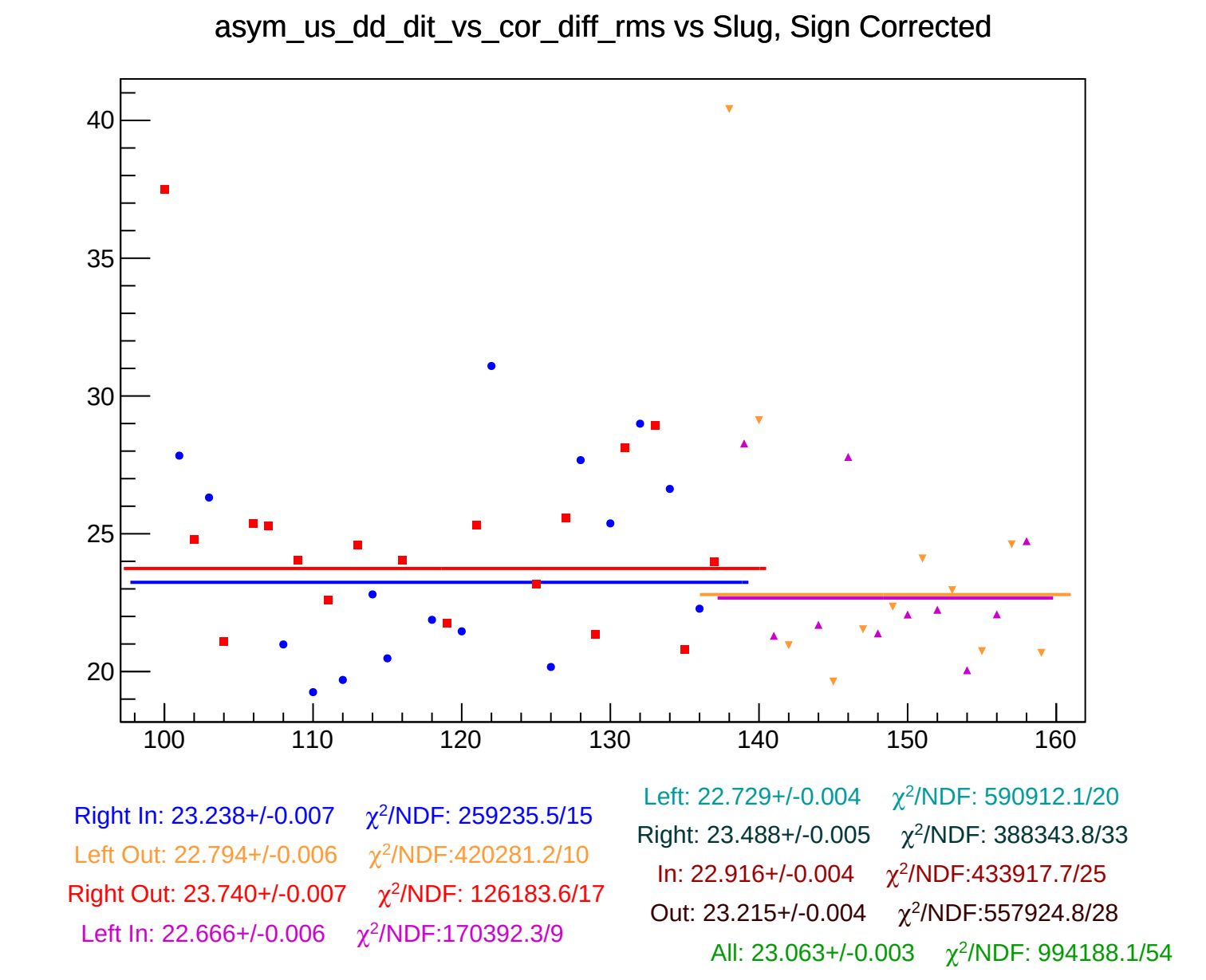
Left: 0.002+/-0.006 χ^2/NDF: 17.6/20

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

In: -0.001+/-0.006 χ^2/NDF:22.5/25

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.001+/-0.004 χ^2/NDF: 40.8/54


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
40
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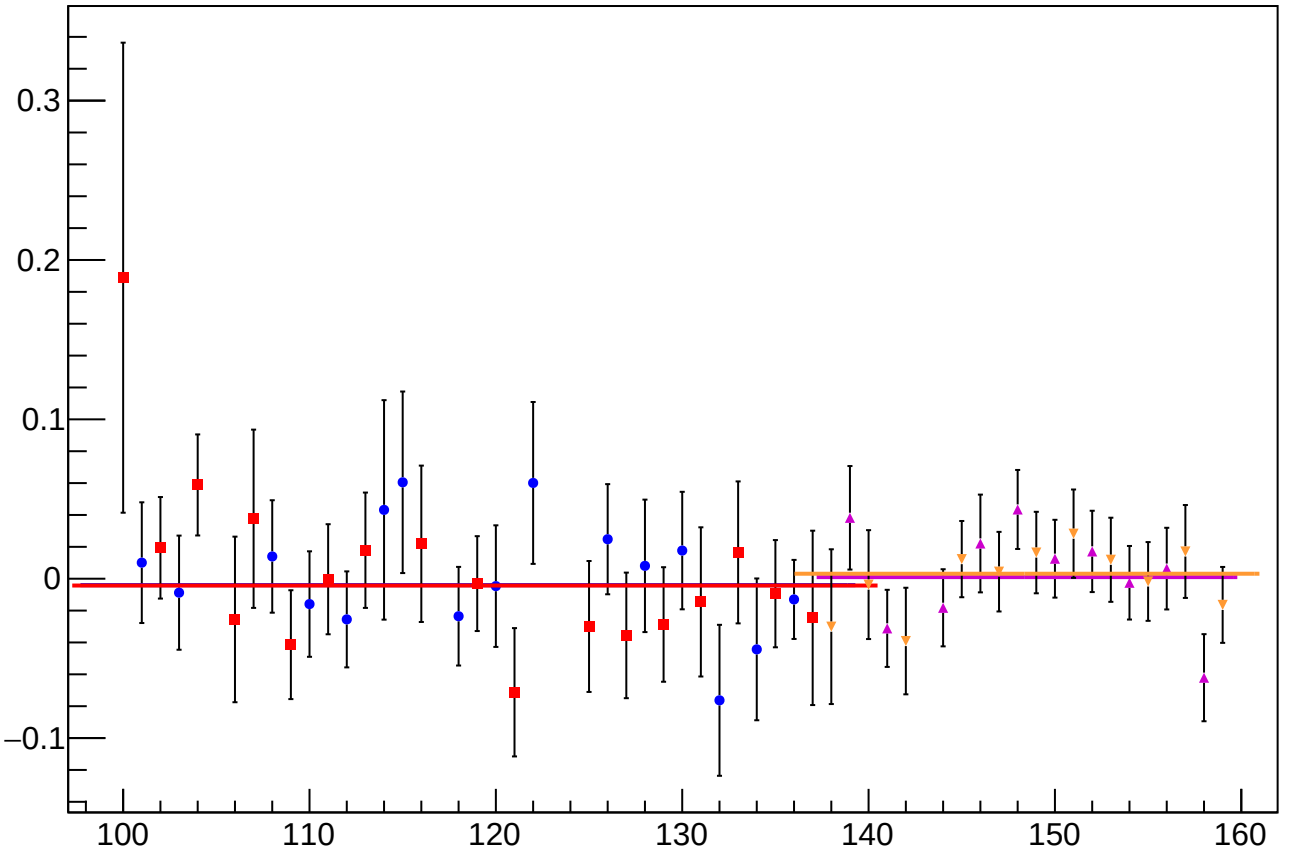
150
160
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 22.794+/-0.006 χ²/NDF:420281.2/10
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 22.666+/-0.006 χ²/NDF:170392.3/9
Left: 22.729+/-0.004 χ²/NDF: 590912.1/20
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 22.916+/-0.004 χ²/NDF:433917.7/25
Out: 23.215+/-0.004 χ²/NDF:557924.8/28
All: 23.063+/-0.003 χ²/NDF: 994188.1/54



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

Left Out: 0.003+/-0.008 χ^2/NDF:4.4/10

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

Left In: 0.001+/-0.008 χ^2/NDF:13.1/9

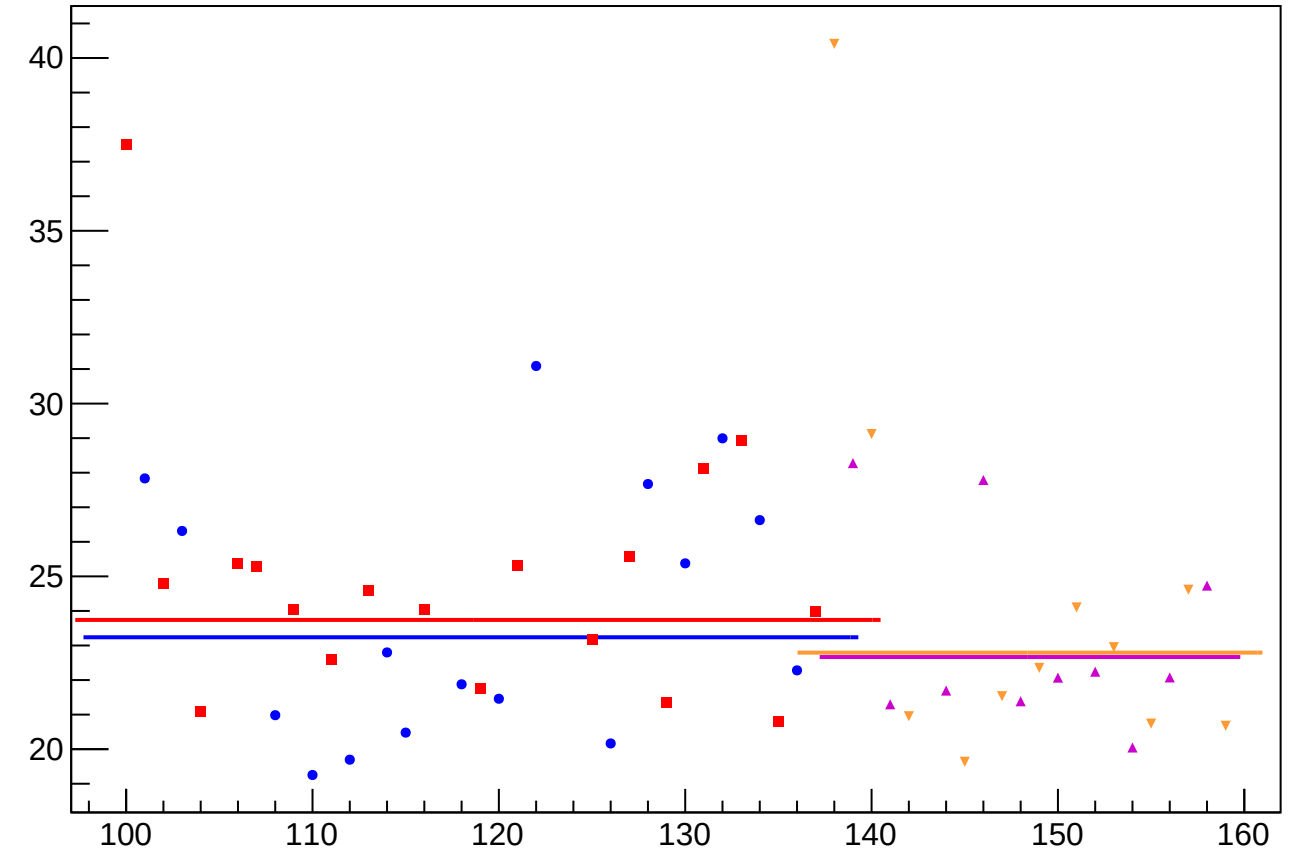
Left: 0.002+/-0.006 χ^2/NDF: 17.6/20

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

In: -0.001+/-0.006 χ^2/NDF:22.5/25

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.001+/-0.004 χ^2/NDF: 40.8/54



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

Left Out: 22.794+/-0.006 χ^2/NDF:420281.2/10

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

Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

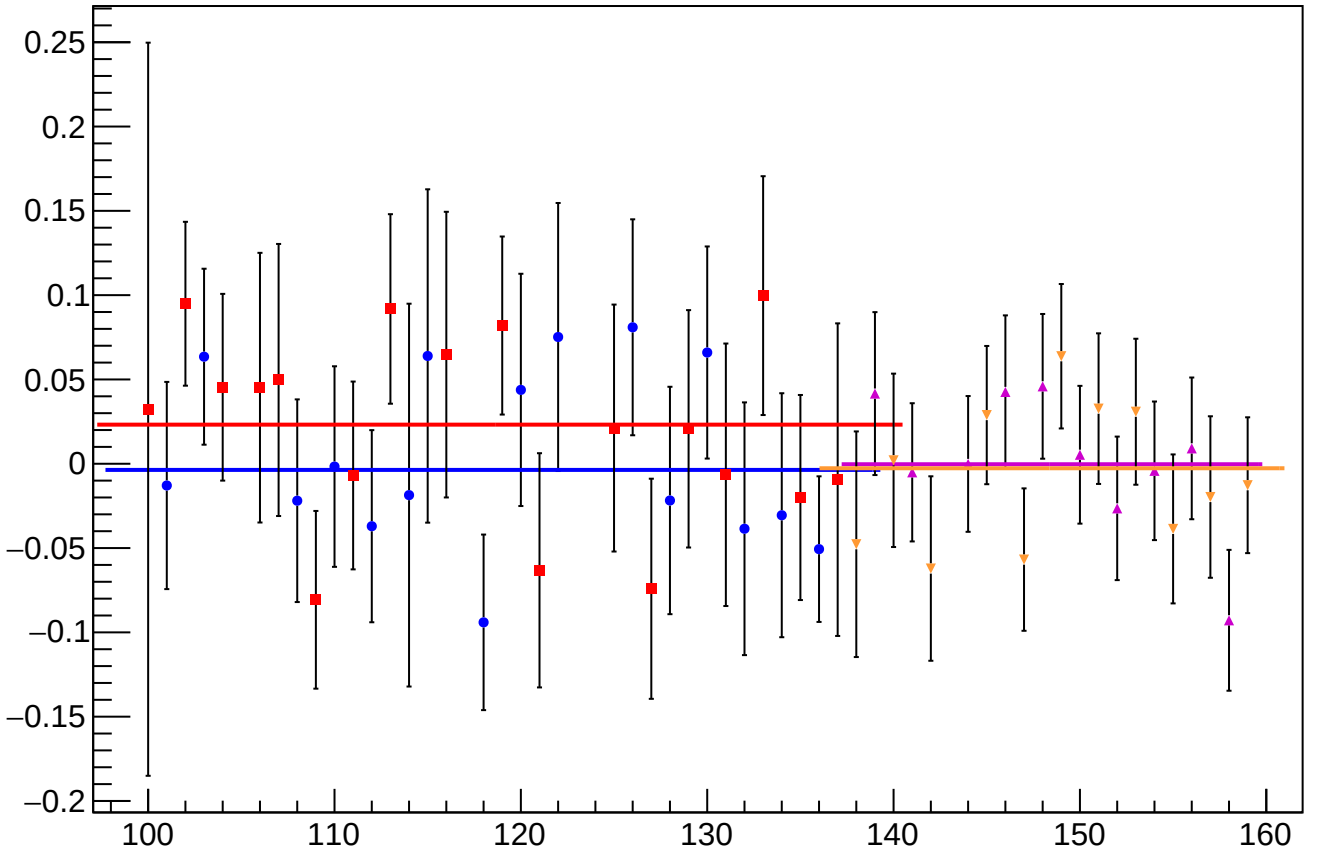
Left: 22.729+/-0.004 χ^2/NDF: 590912.1/20

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

In: 22.916+/-0.004 χ^2/NDF:433917.7/25

Out: 23.215+/-0.004 χ^2/NDF:557924.8/28

All: 23.063+/-0.003 χ^2/NDF: 994188.1/54



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

Left Out: -0.003+/-0.014 χ^2/NDF:8.4/10

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

Left In: -0.000+/-0.013 χ^2/NDF:8.2/9

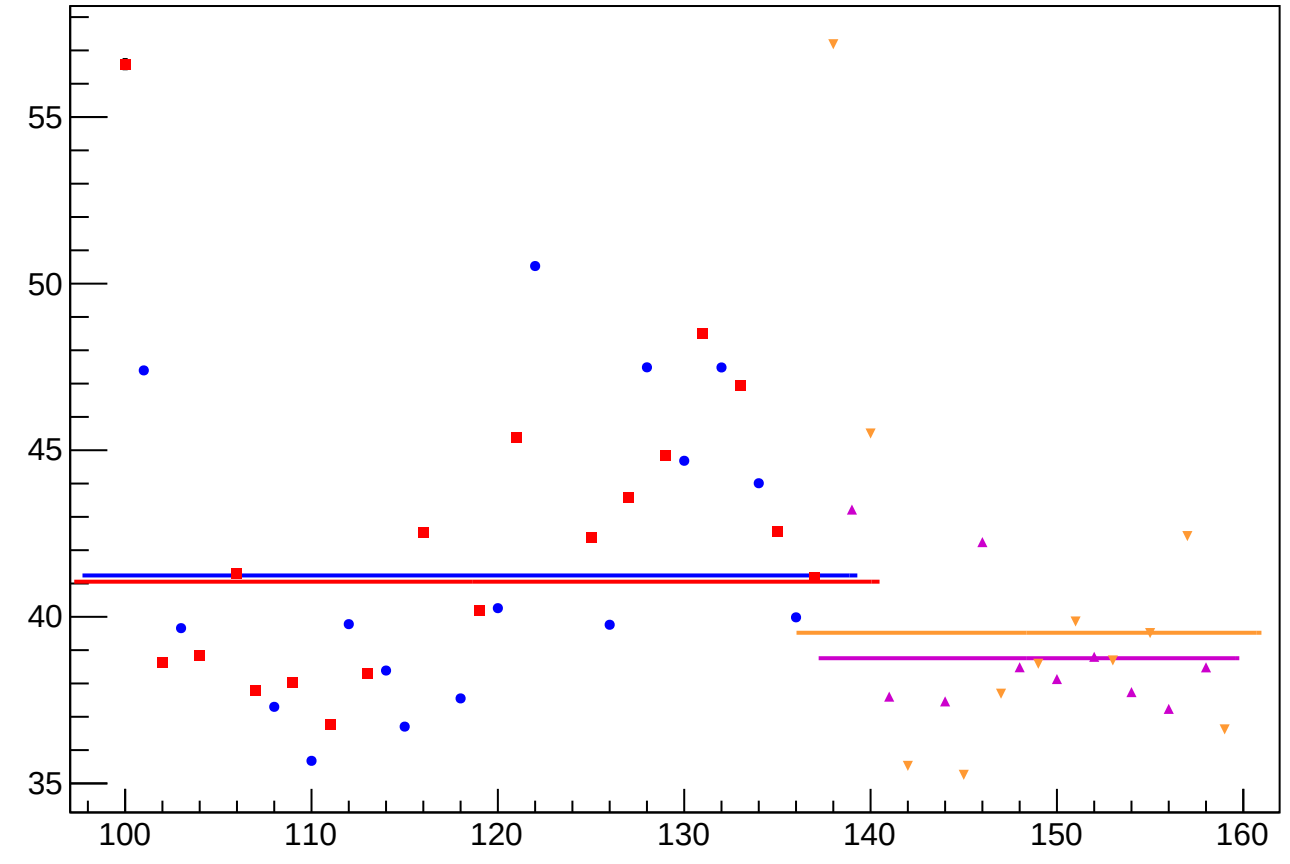
Left: -0.001+/-0.010 χ^2/NDF: 16.6/20

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.010 χ^2/NDF:19.9/25

Out: 0.009+/-0.010 χ^2/NDF:25.3/28

All: 0.003+/-0.007 χ^2/NDF: 45.7/54



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

Left Out: 39.522+/-0.010 χ^2/NDF:222004.9/10

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

Left In: 38.758+/-0.009 χ^2/NDF:36967.8/9

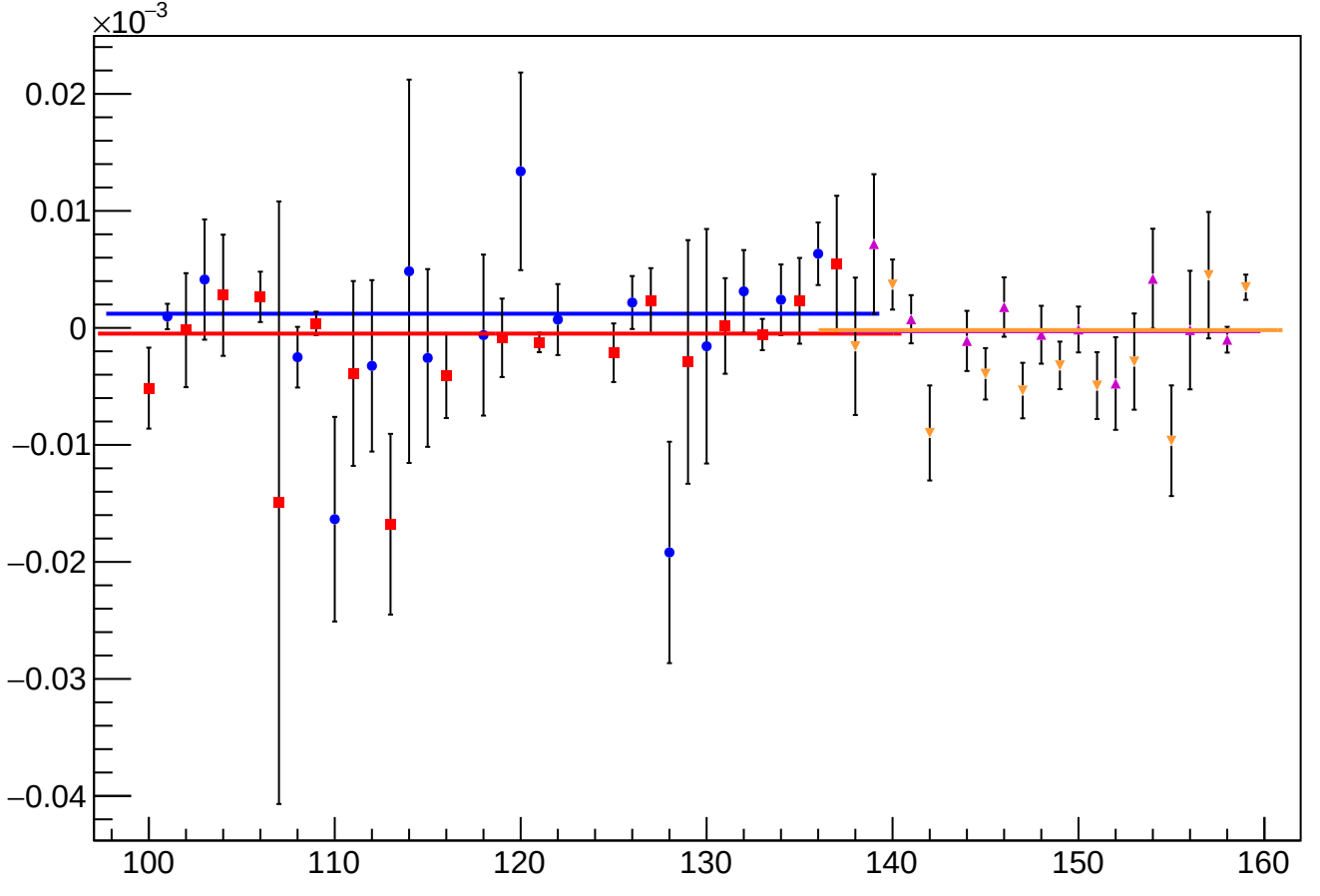
Left: 39.129+/-0.007 χ^2/NDF: 262119.0/20

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

In: 39.804+/-0.007 χ^2/NDF:201097.2/25

Out: 40.200+/-0.007 χ^2/NDF:329459.4/28

All: 40.000+/-0.005 χ^2/NDF: 532048.7/54



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

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/10

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

Left In: -0.000+/-0.000 χ^2/NDF:5.4/9

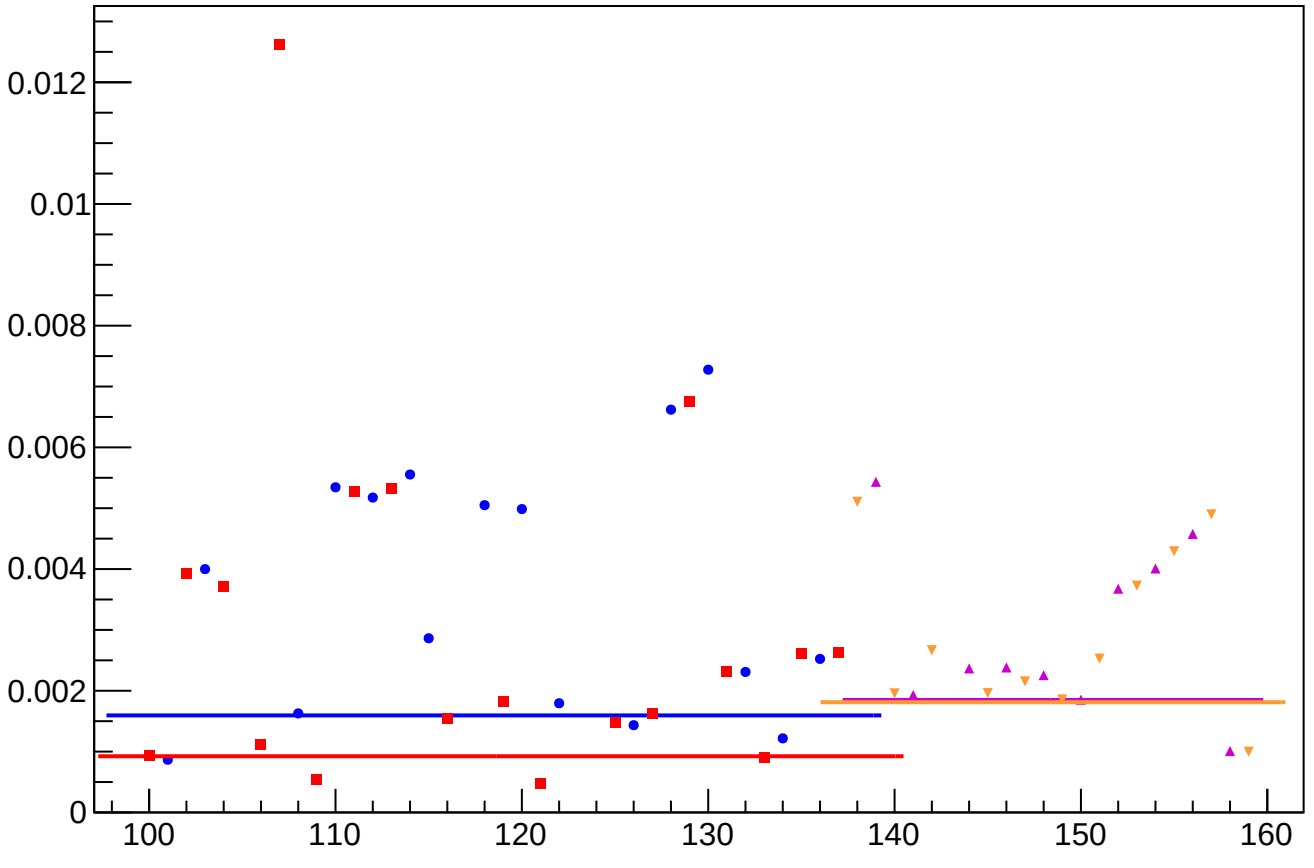
Left: -0.000+/-0.000 χ^2/NDF: 42.8/20

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:25.8/25

Out: -0.000+/-0.000 χ^2/NDF:52.5/28

All: -0.000+/-0.000 χ^2/NDF: 79.8/54



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

Left Out: 0.002+/-0.000 χ^2/NDF:3681598.9/10

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

Left In: 0.002+/-0.000 χ^2/NDF:3628533.4/9

Left: 0.002+/-0.000 χ^2/NDF: 7312771.0/20

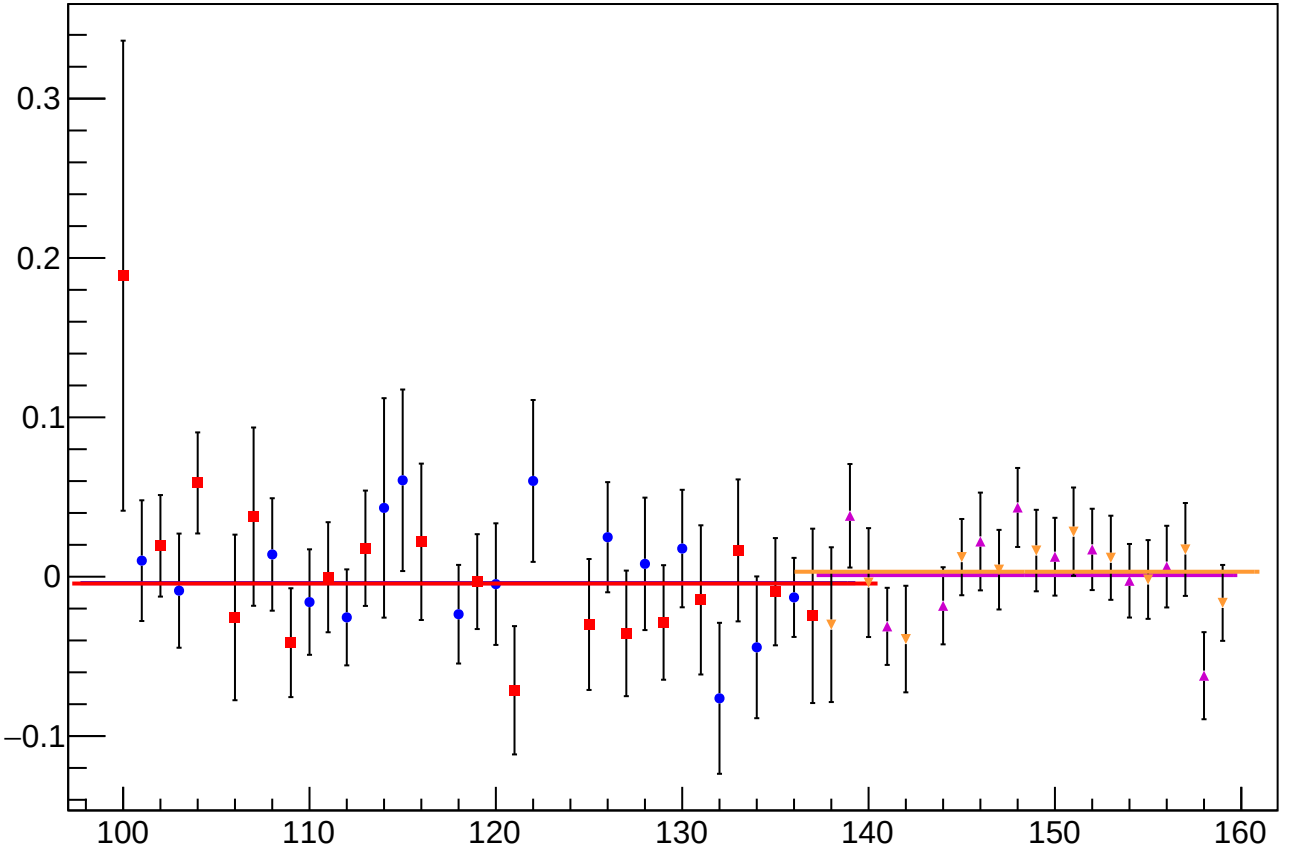
Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:8510339.8/25

Out: 0.001+/-0.000 χ^2/NDF:11612211.8/28

All: 0.001+/-0.000 χ^2/NDF: 21309745.5/54

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.003+/-0.008 χ^2/NDF:4.4/10

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

Left In: 0.001+/-0.008 χ^2/NDF:13.1/9

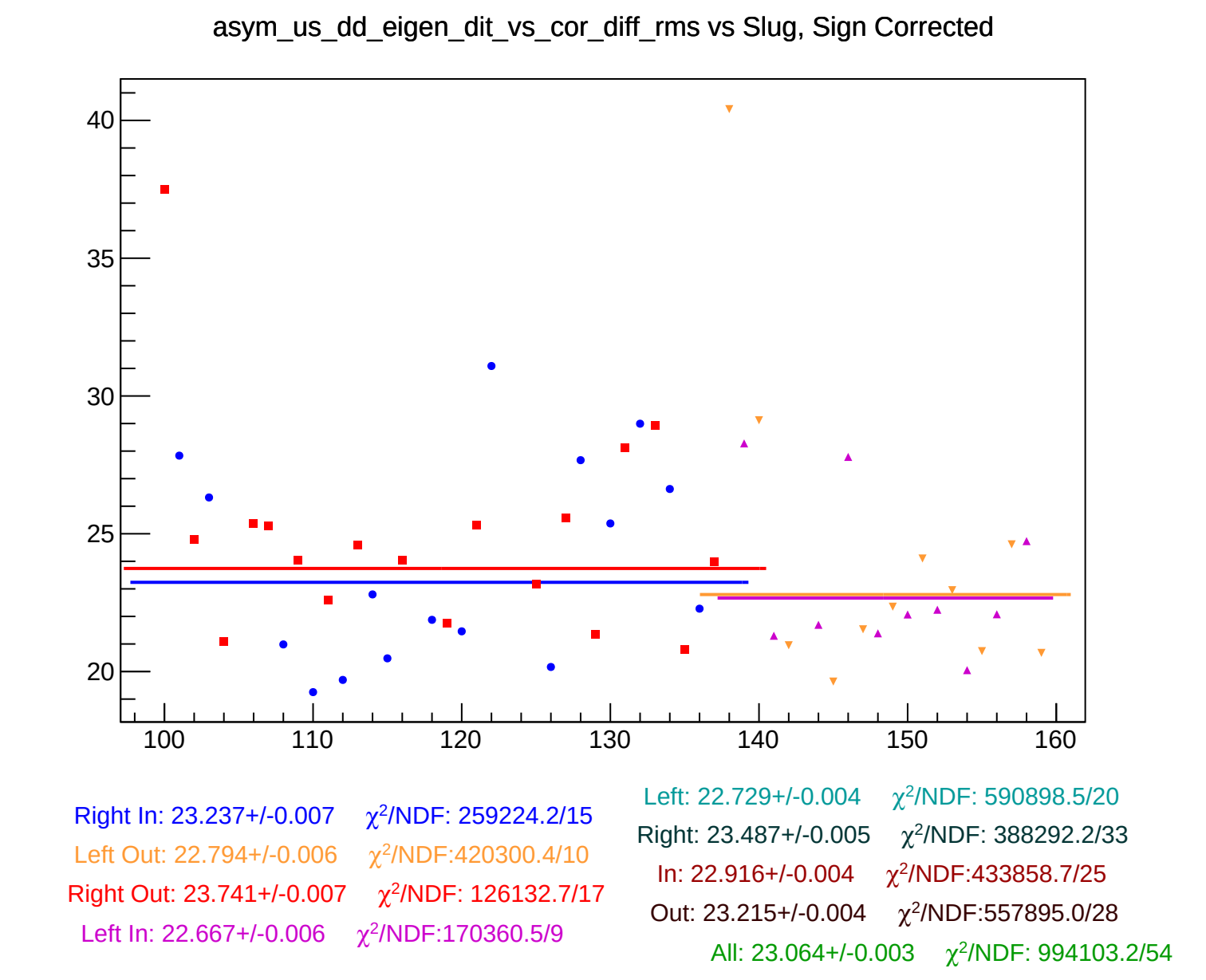
Left: 0.002+/-0.006 χ^2/NDF: 17.6/20

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

In: -0.001+/-0.006 χ^2/NDF:22.5/25

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.001+/-0.004 χ^2/NDF: 40.8/54


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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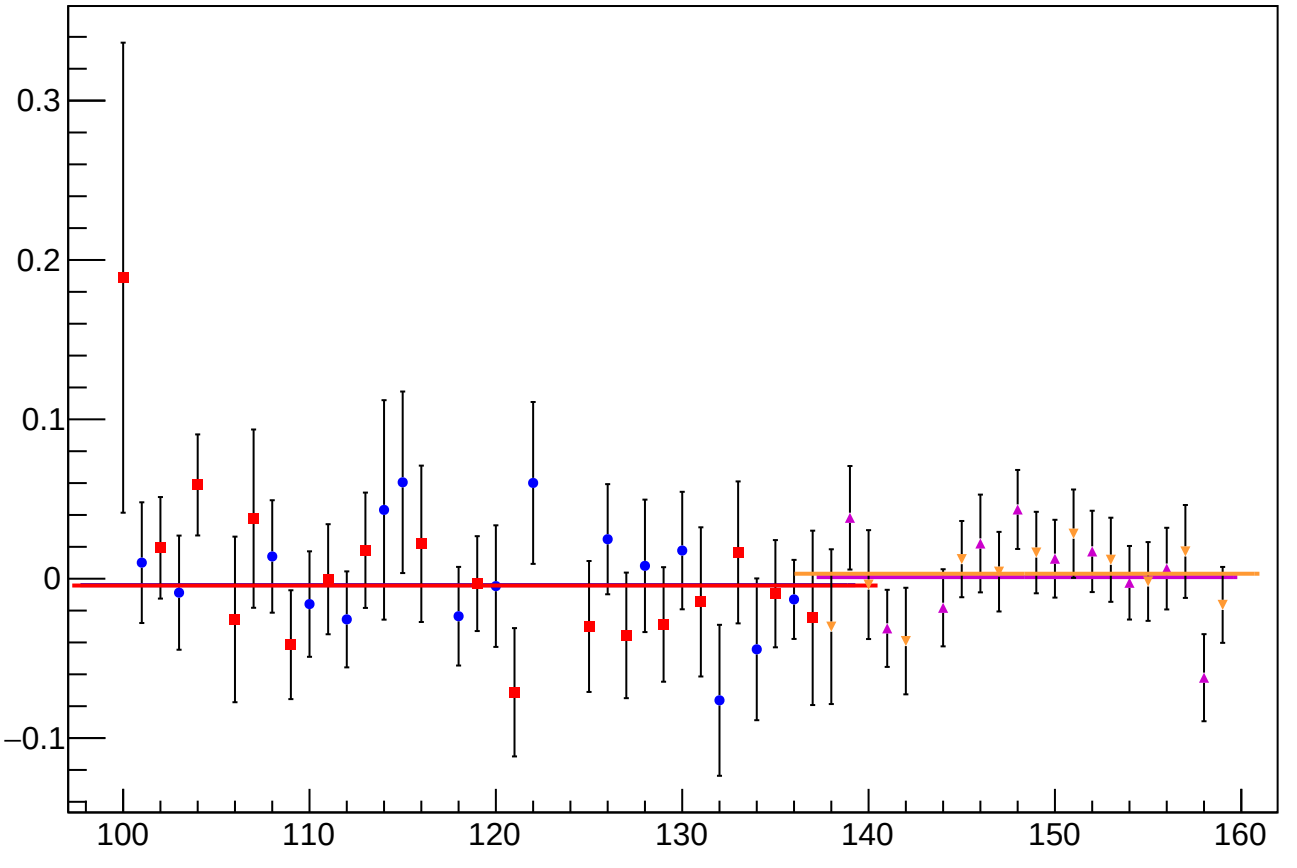
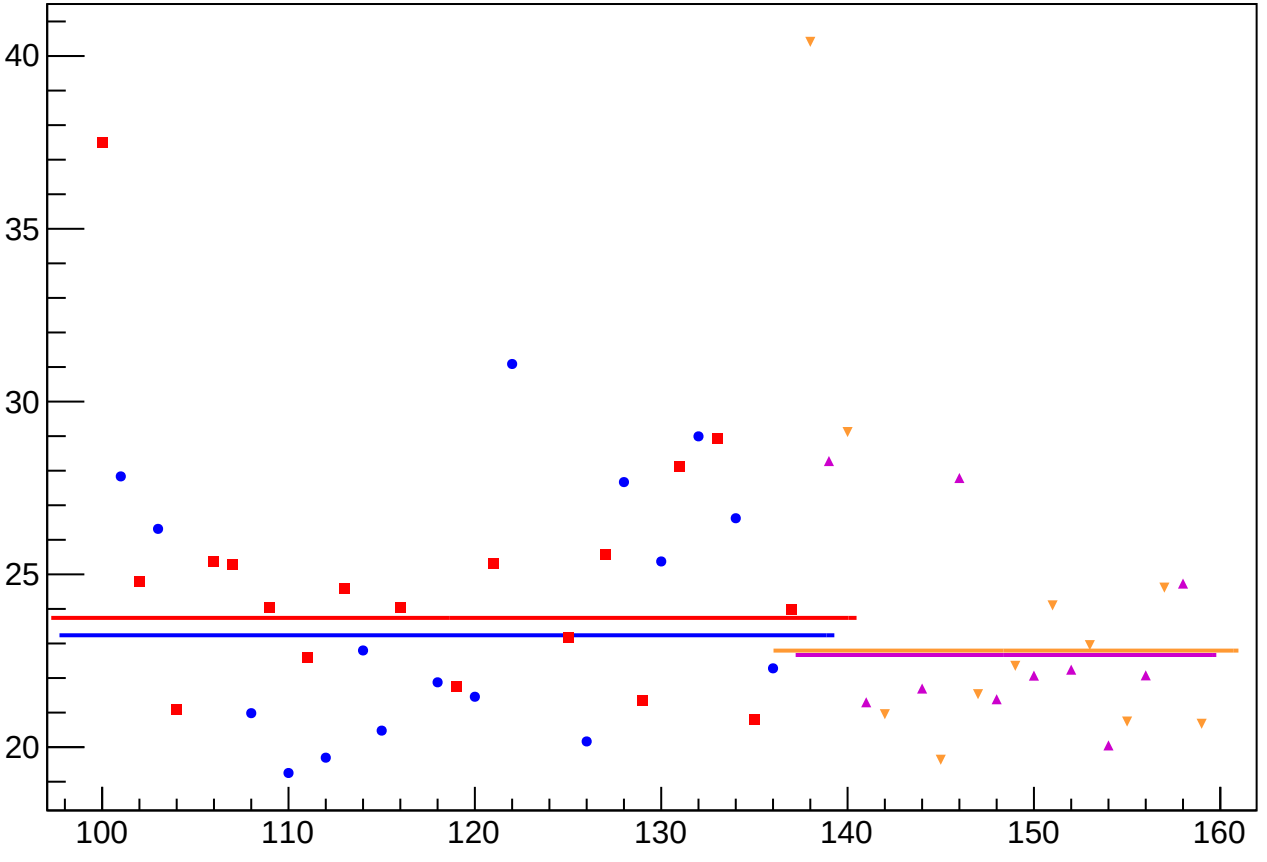
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 22.794+/-0.006 χ²/NDF:420300.4/10
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 22.667+/-0.006 χ²/NDF:170360.5/9
Left: 22.729+/-0.004 χ²/NDF: 590898.5/20
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 22.916+/-0.004 χ²/NDF:433858.7/25
Out: 23.215+/-0.004 χ²/NDF:557895.0/28
All: 23.064+/-0.003 χ²/NDF: 994103.2/54


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.003+/-0.008 χ²/NDF:4.4/10
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: 0.001+/-0.008 χ²/NDF:13.1/9
Left: 0.002+/-0.006 χ²/NDF: 17.6/20
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.001+/-0.006 χ²/NDF:22.5/25
Out: -0.000+/-0.006 χ²/NDF:18.2/28
All: -0.001+/-0.004 χ²/NDF: 40.8/54

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 22.794+/-0.006 χ^2/NDF:420300.4/10

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

Left In: 22.667+/-0.006 χ^2/NDF:170360.5/9

Left: 22.729+/-0.004 χ^2/NDF: 590898.5/20

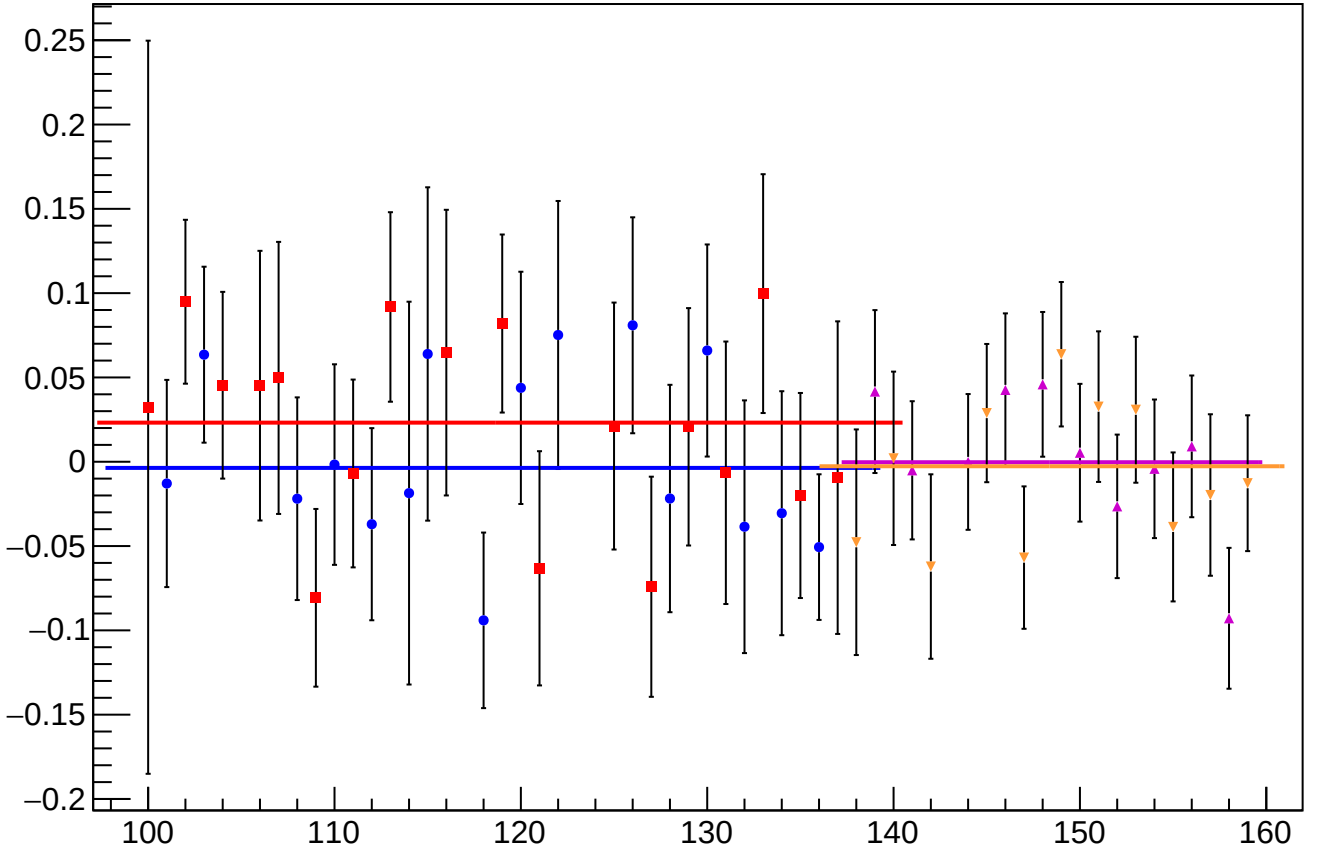
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 22.916+/-0.004 χ^2/NDF:433858.7/25

Out: 23.215+/-0.004 χ^2/NDF:557895.0/28

All: 23.064+/-0.003 χ^2/NDF: 994103.2/54

asym_us_dd_eigen_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+/-0.014 χ^2/NDF:8.4/10

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

Left In: -0.000+/-0.013 χ^2/NDF:8.2/9

Left: -0.001+/-0.010 χ^2/NDF: 16.6/20

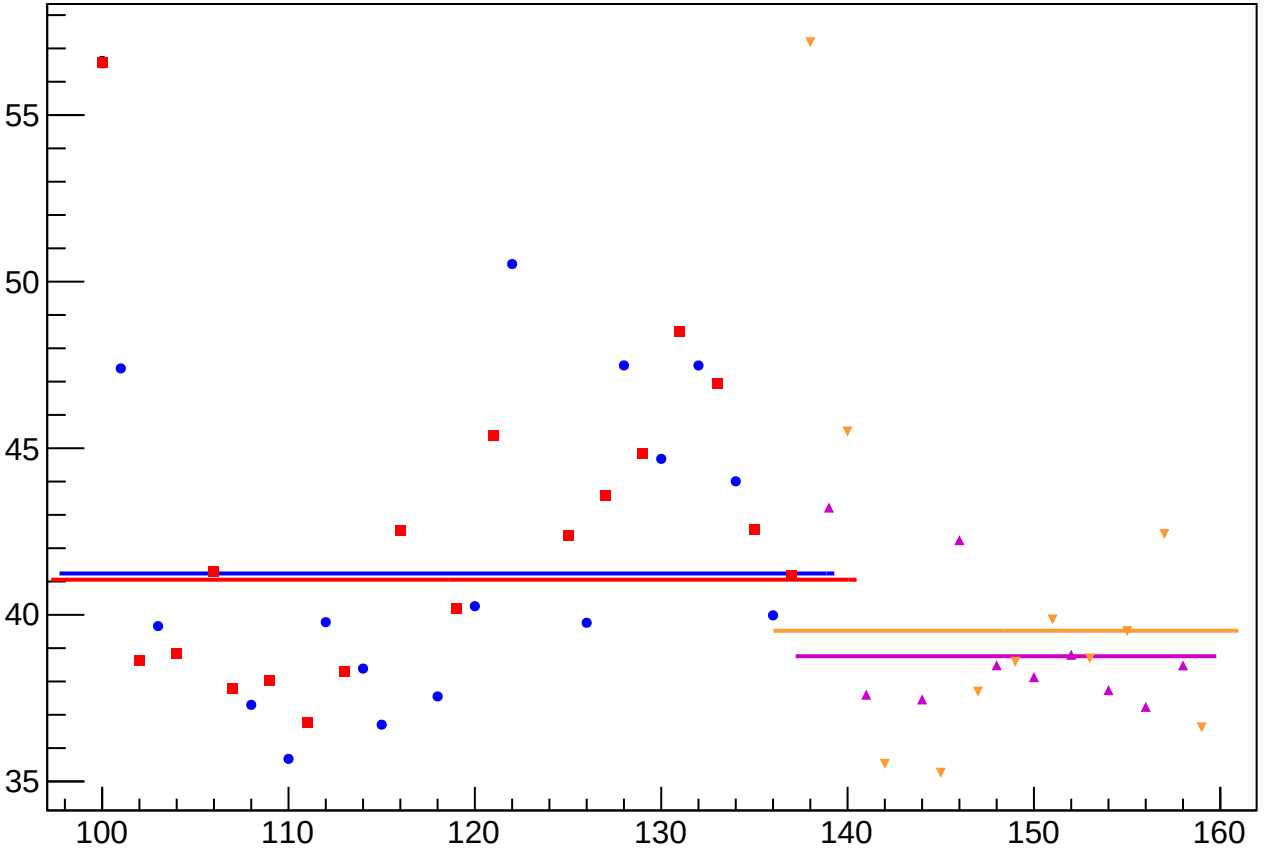
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.010 χ^2/NDF:19.9/25

Out: 0.009+/-0.010 χ^2/NDF:25.3/28

All: 0.003+/-0.007 χ^2/NDF: 45.7/54

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.522+/-0.010 χ^2/NDF:222009.3/10

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

Left In: 38.758+/-0.009 χ^2/NDF:36970.2/9

Left: 39.129+/-0.007 χ^2/NDF: 262125.2/20

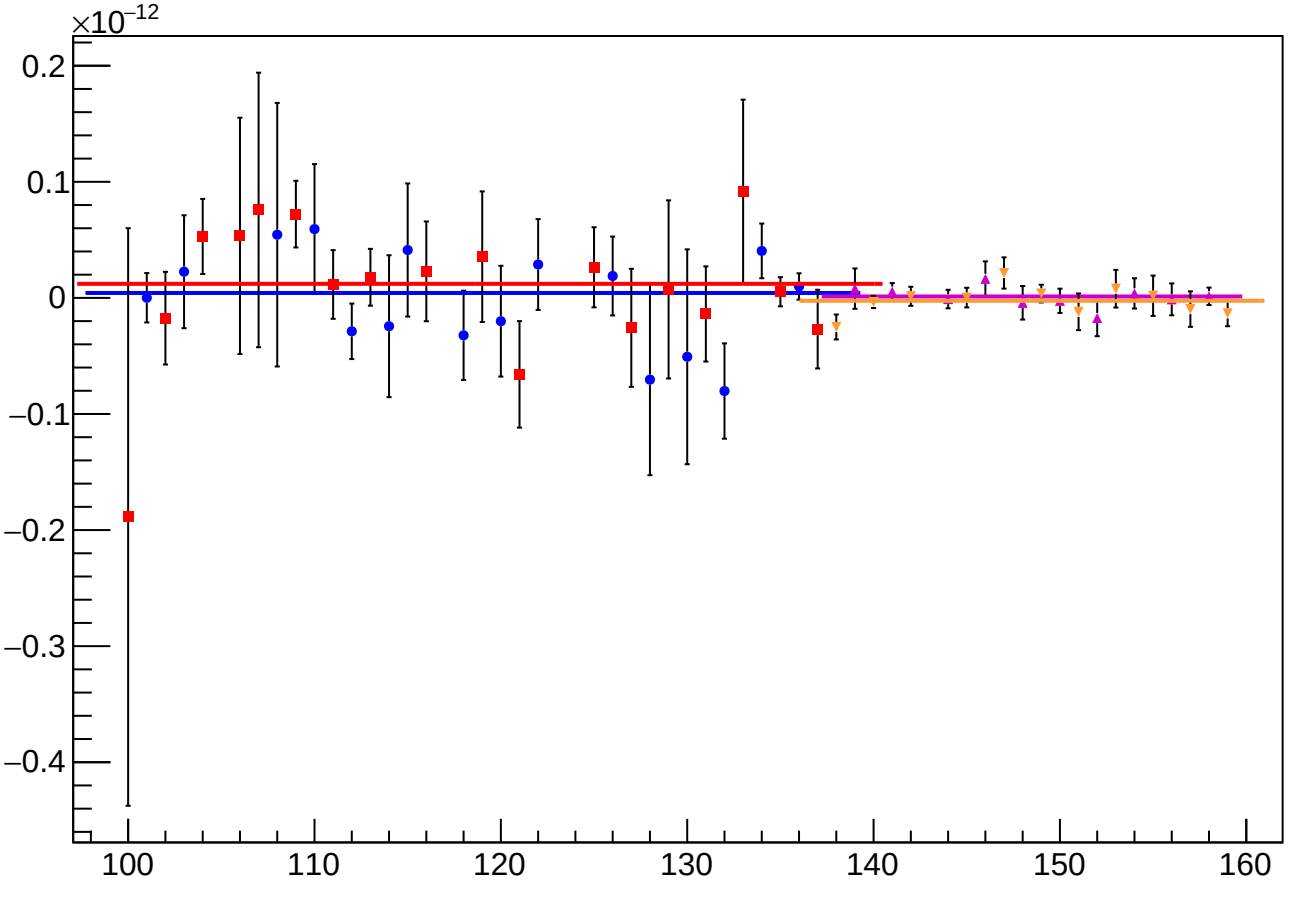
Right: 41.147+/-0.008 χ^2/NDF: 231949.1/33

In: 39.804+/-0.007 χ^2/NDF:201068.4/25

Out: 40.200+/-0.007 χ^2/NDF:329450.8/28

All: 40.000+/-0.005 χ^2/NDF: 532011.7/54

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/10

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

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

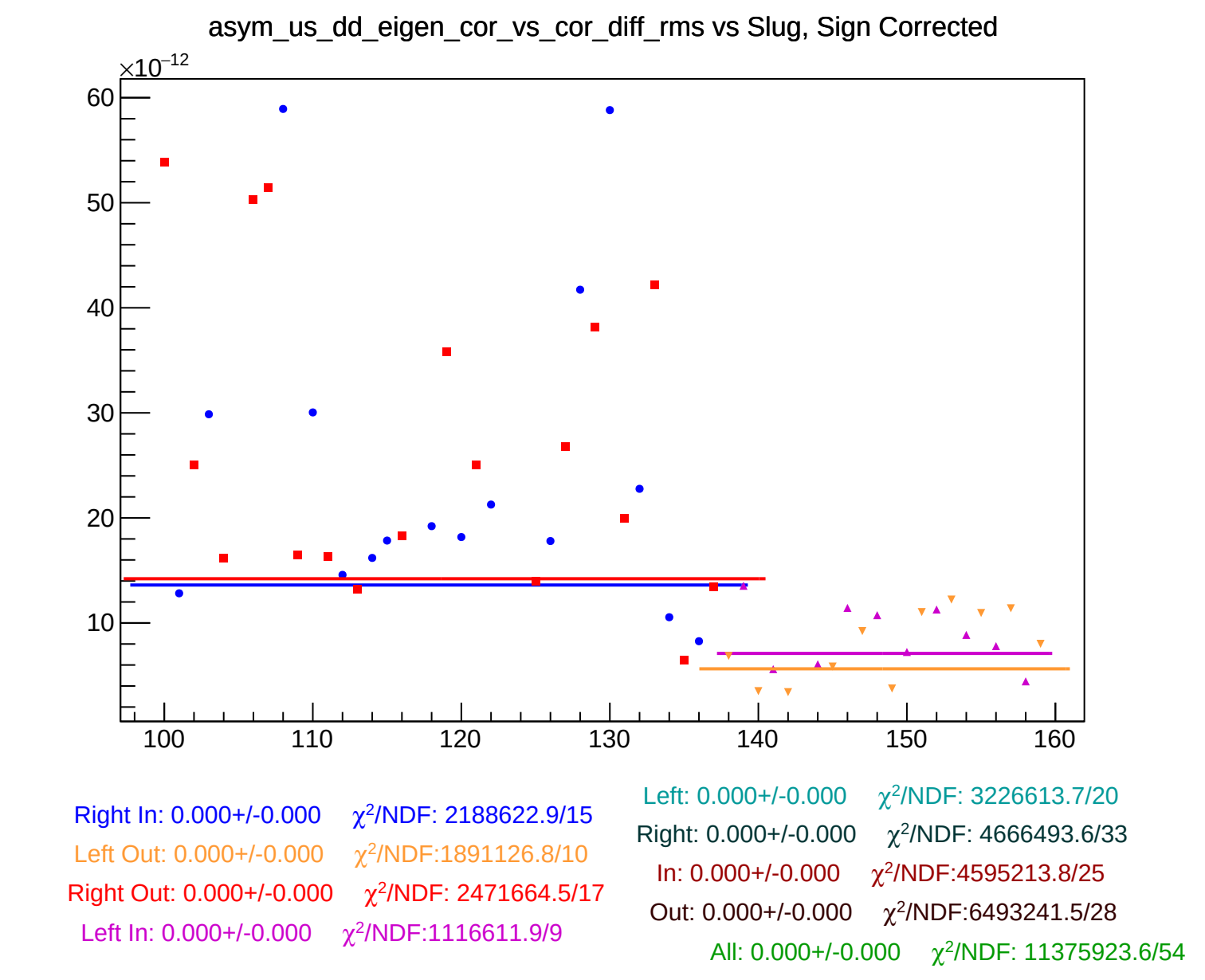
Left: -0.000+/-0.000 χ^2/NDF: 14.7/20

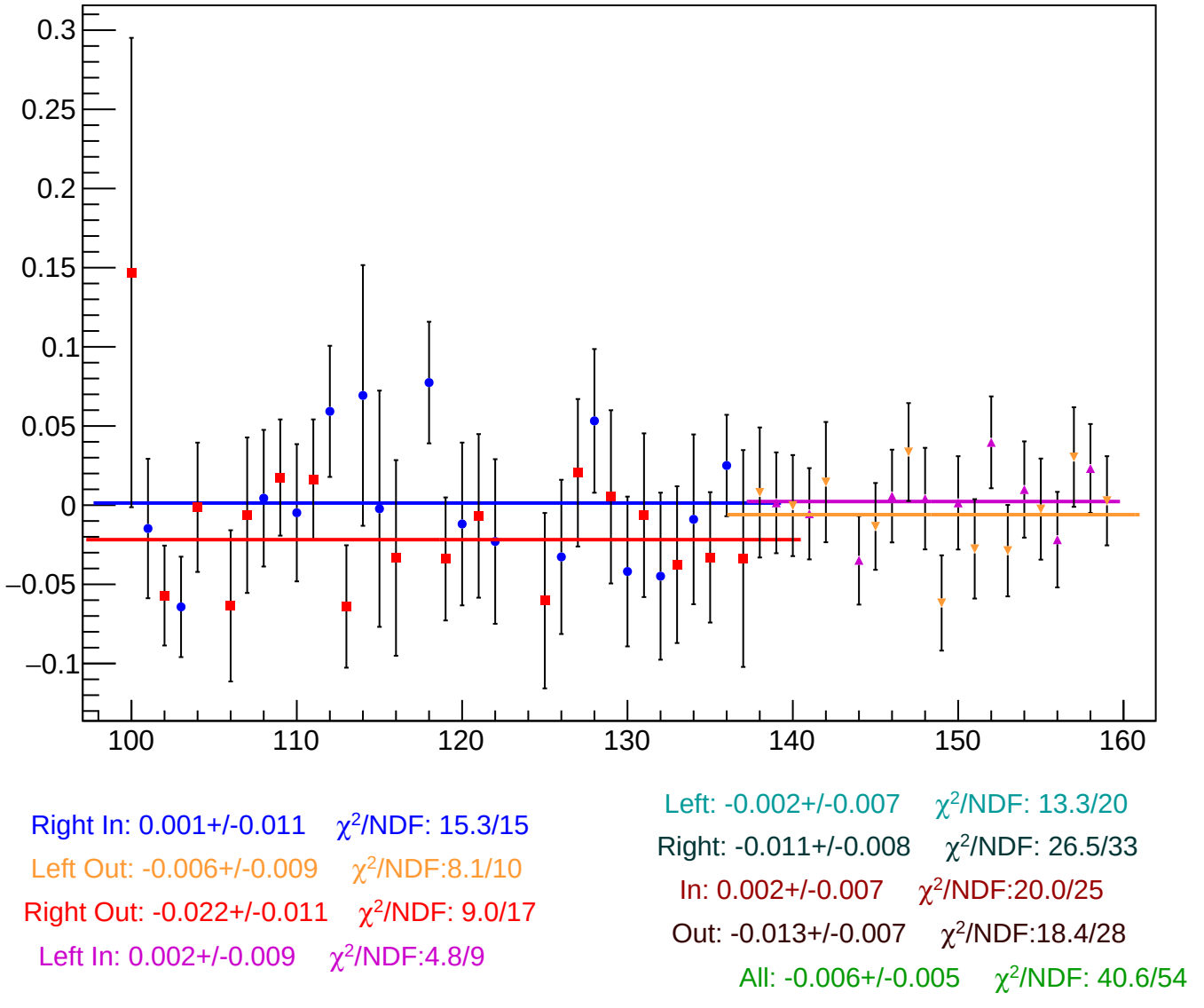
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:17.1/25

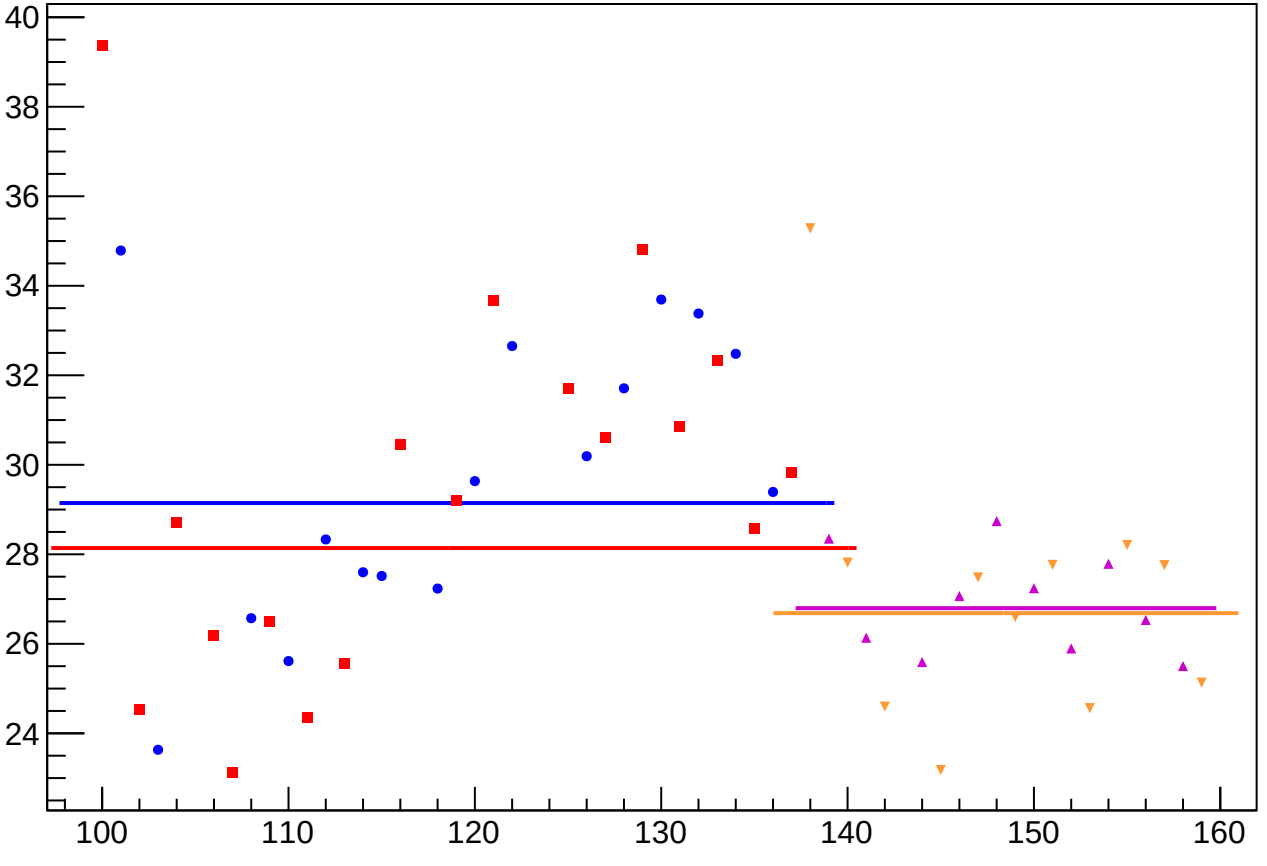
Out: -0.000+/-0.000 χ^2/NDF:28.3/28

All: 0.000+/-0.000 χ^2/NDF: 45.7/54


asym_us_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
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1891126.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1116611.9/9
Left: 0.000+/-0.000 χ²/NDF: 3226613.7/20
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:4595213.8/25
Out: 0.000+/-0.000 χ²/NDF:6493241.5/28
All: 0.000+/-0.000 χ²/NDF: 11375923.6/54


asym_us_dd_overload_cor_vs_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
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.009 χ²/NDF:8.1/10
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.002+/-0.009 χ²/NDF:4.8/9
Left: -0.002+/-0.007 χ²/NDF: 13.3/20
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.002+/-0.007 χ²/NDF:20.0/25
Out: -0.013+/-0.007 χ²/NDF:18.4/28
All: -0.006+/-0.005 χ²/NDF: 40.6/54

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: 26.686+/-0.007 χ^2/NDF:156413.5/10

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

Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

Left: 26.741+/-0.005 χ^2/NDF: 182501.0/20

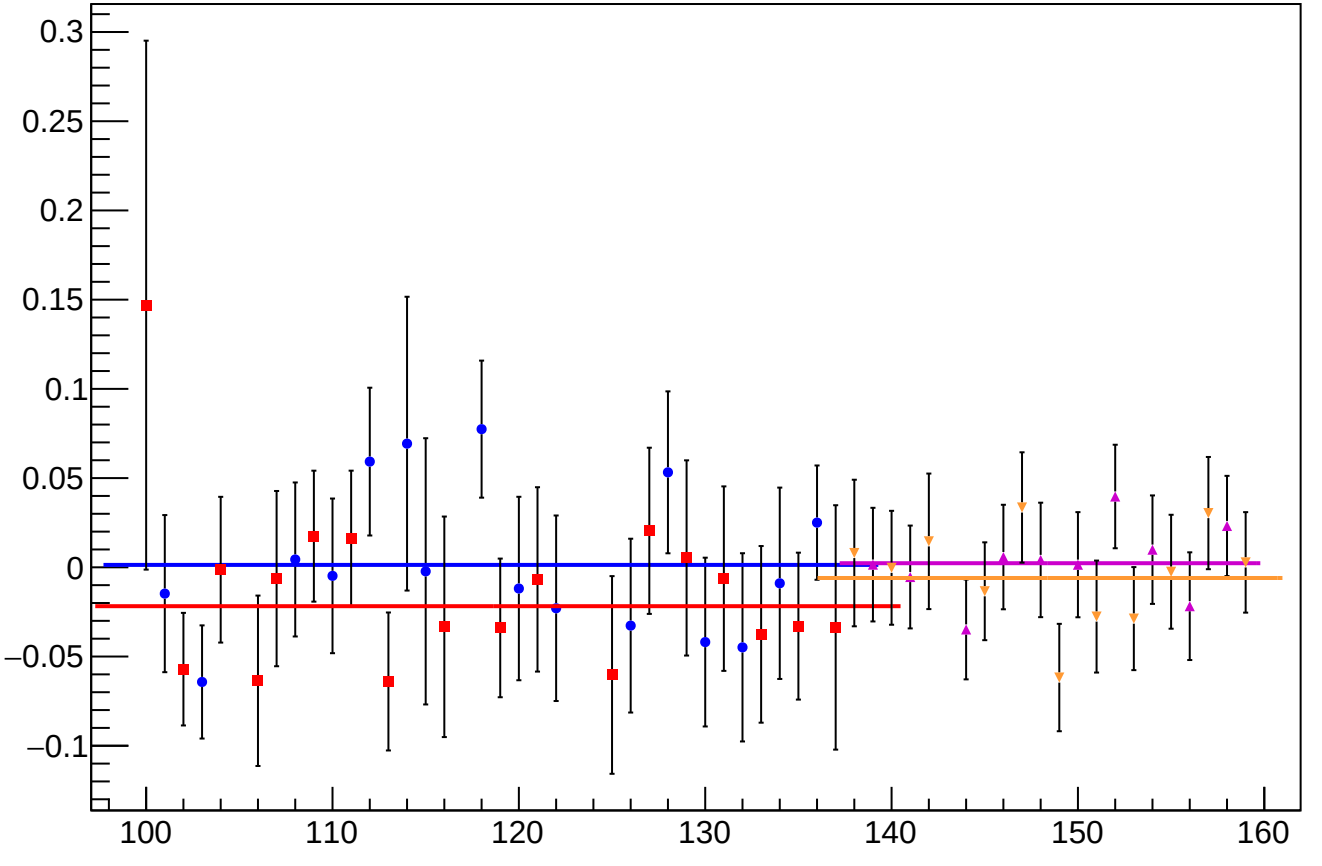
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.762+/-0.005 χ^2/NDF:254534.4/25

Out: 27.317+/-0.005 χ^2/NDF:364120.1/28

All: 27.537+/-0.004 χ^2/NDF: 622534.4/54

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.006+/-0.009 χ^2/NDF:8.1/10

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

Left In: 0.002+/-0.009 χ^2/NDF:4.8/9

Left: -0.002+/-0.007 χ^2/NDF: 13.3/20

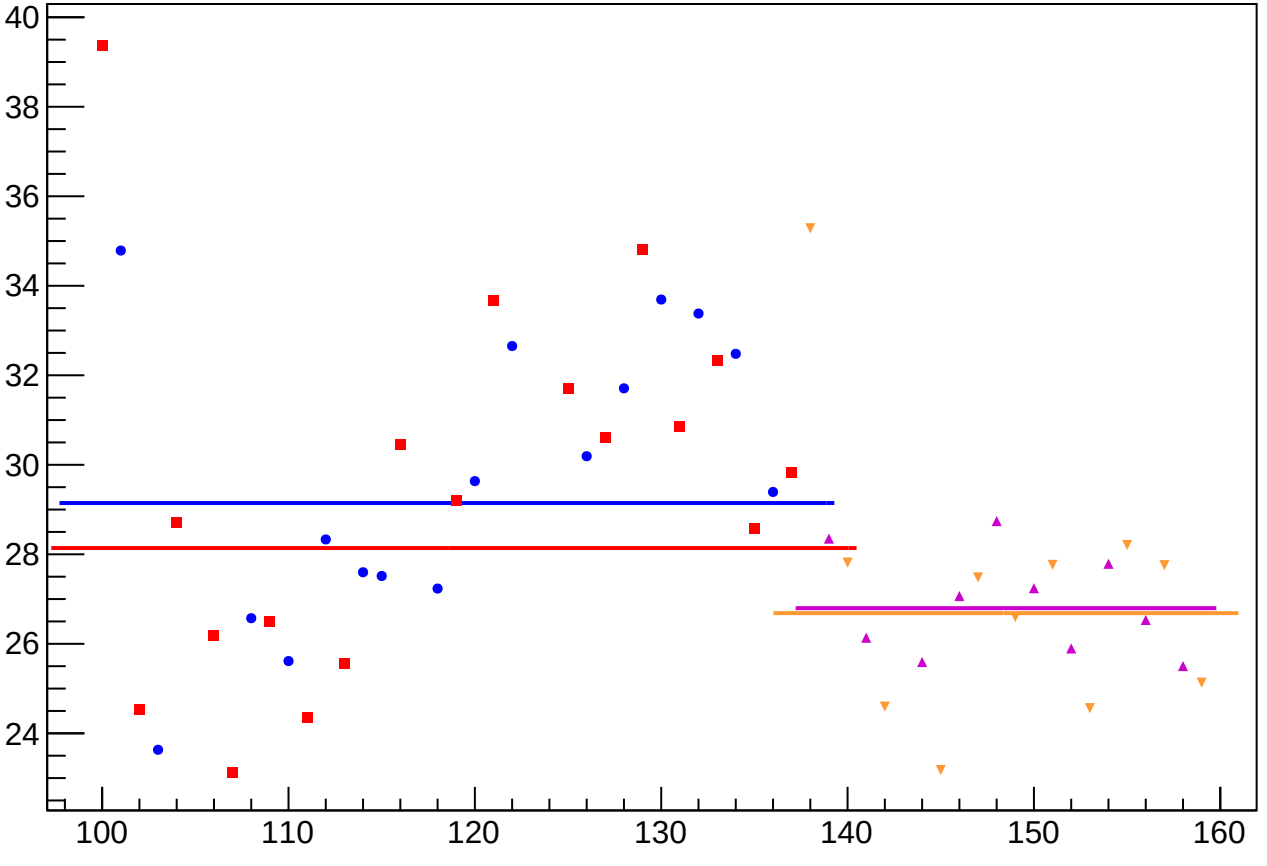
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.002+/-0.007 χ^2/NDF:20.0/25

Out: -0.013+/-0.007 χ^2/NDF:18.4/28

All: -0.006+/-0.005 χ^2/NDF: 40.6/54

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: 26.686+/-0.007 χ^2/NDF:156413.5/10

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

Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

Left: 26.741+/-0.005 χ^2/NDF: 182501.0/20

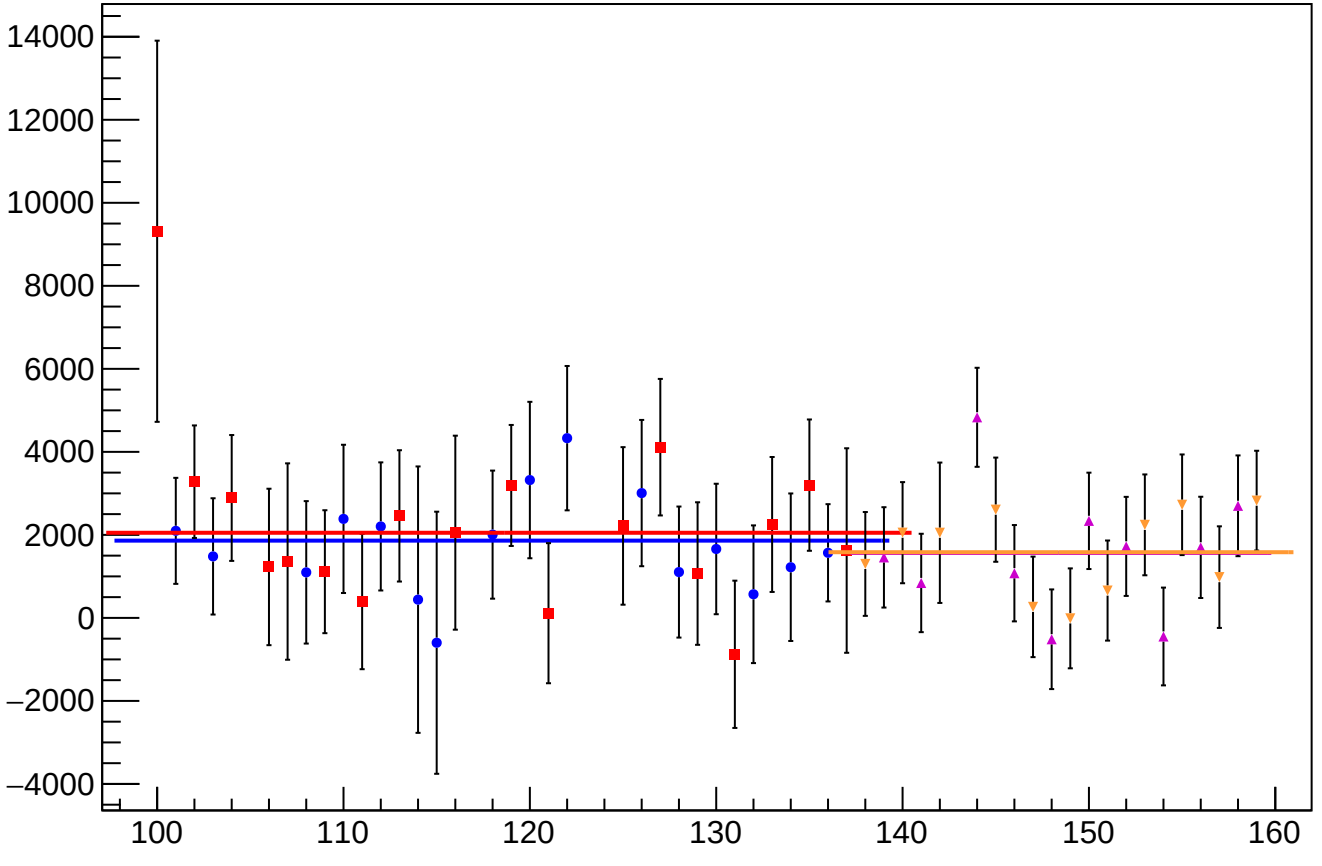
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.762+/-0.005 χ^2/NDF:254534.4/25

Out: 27.317+/-0.005 χ^2/NDF:364120.1/28

All: 27.537+/-0.004 χ^2/NDF: 622534.4/54

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1582.640+/-375.926 χ^2/NDF:7.0/10

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

Left In: 1564.549+/-376.562 χ^2/NDF:15.3/9

Left: 1573.610+/-266.044 χ^2/NDF: 22.3/20

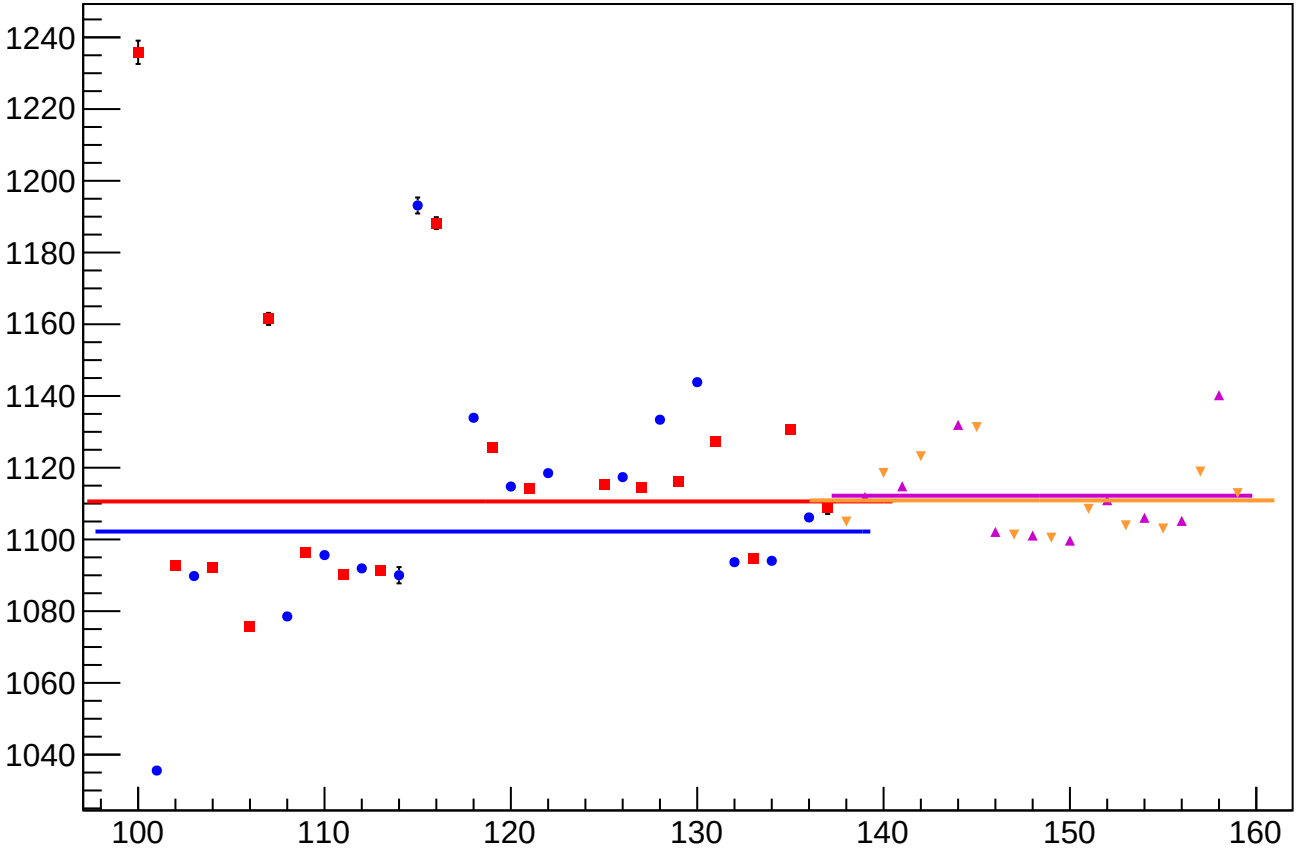
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1700.606+/-277.191 χ^2/NDF:21.0/25

Out: 1796.906+/-276.852 χ^2/NDF:20.2/28

All: 1748.815+/-195.884 χ^2/NDF: 41.2/54

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.886+/-0.266 χ^2/NDF:1282.5/10

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

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

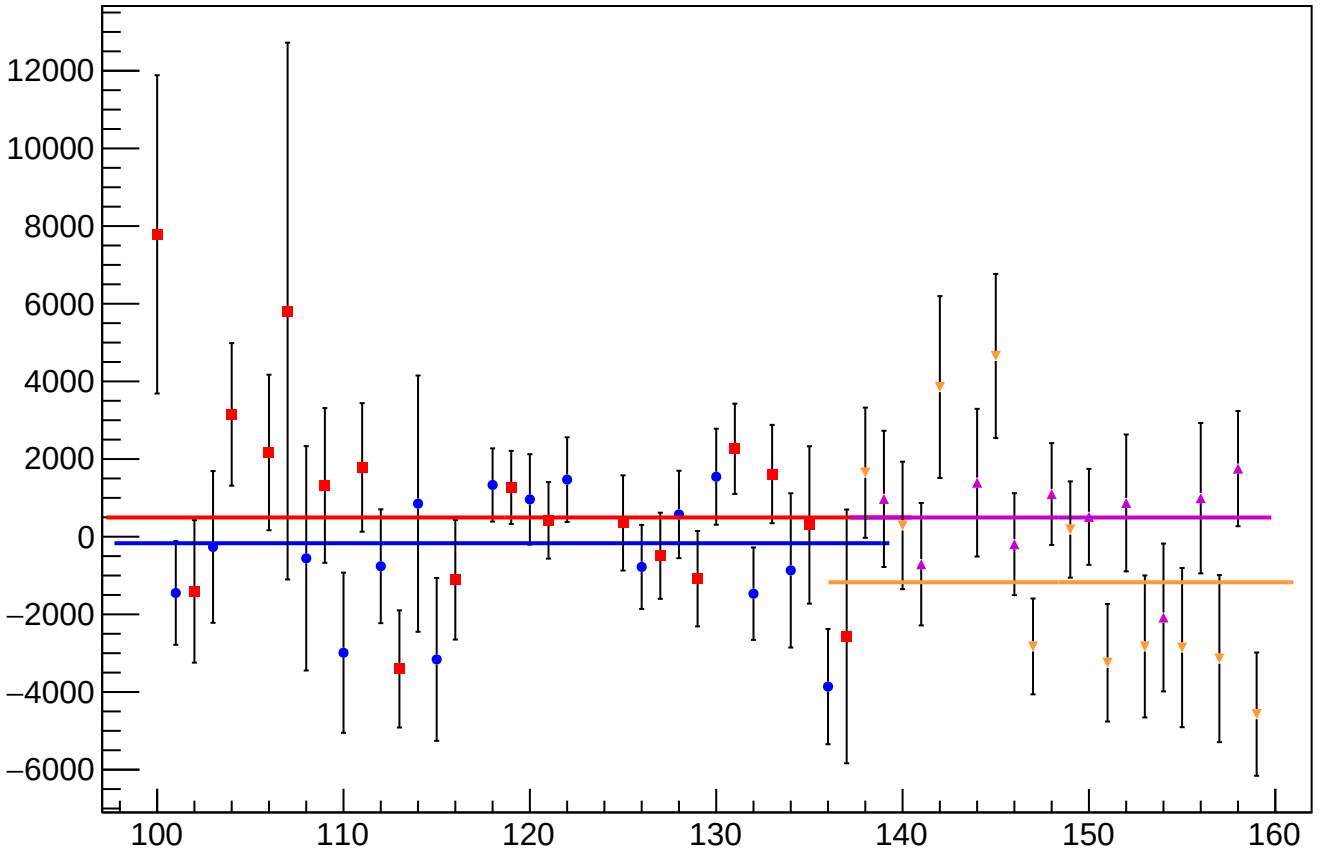
Left: 1111.540+/-0.188 χ^2/NDF: 3597.1/20

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

In: 1107.619+/-0.196 χ^2/NDF:14296.4/25

Out: 1110.751+/-0.196 χ^2/NDF:8979.1/28

All: 1109.187+/-0.139 χ^2/NDF: 23403.4/54



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

Left Out: -1173.175+/-498.269 χ^2/NDF:27.6/10

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

Left In: 494.149+/-491.530 χ^2/NDF:4.0/9

Left: -328.161+/-349.922 χ^2/NDF: 37.3/20

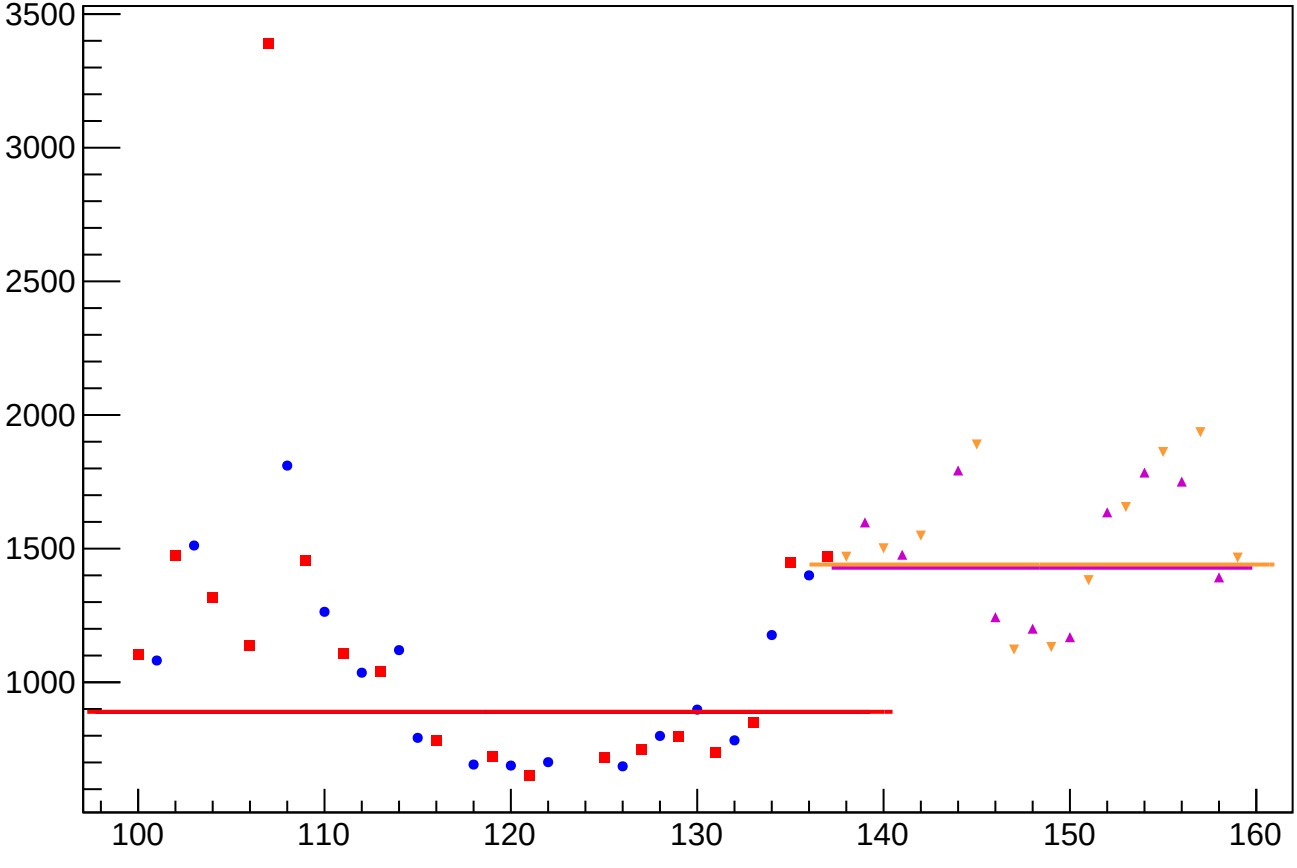
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 50.990+/-282.626 χ^2/NDF:26.3/25

Out: -45.582+/-283.675 χ^2/NDF:58.5/28

All: 2.883+/-200.216 χ^2/NDF: 84.8/54

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1440.448+/-0.352 χ^2/NDF:576474.3/10

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

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

Left: 1434.442+/-0.247 χ^2/NDF: 1013592.7/20

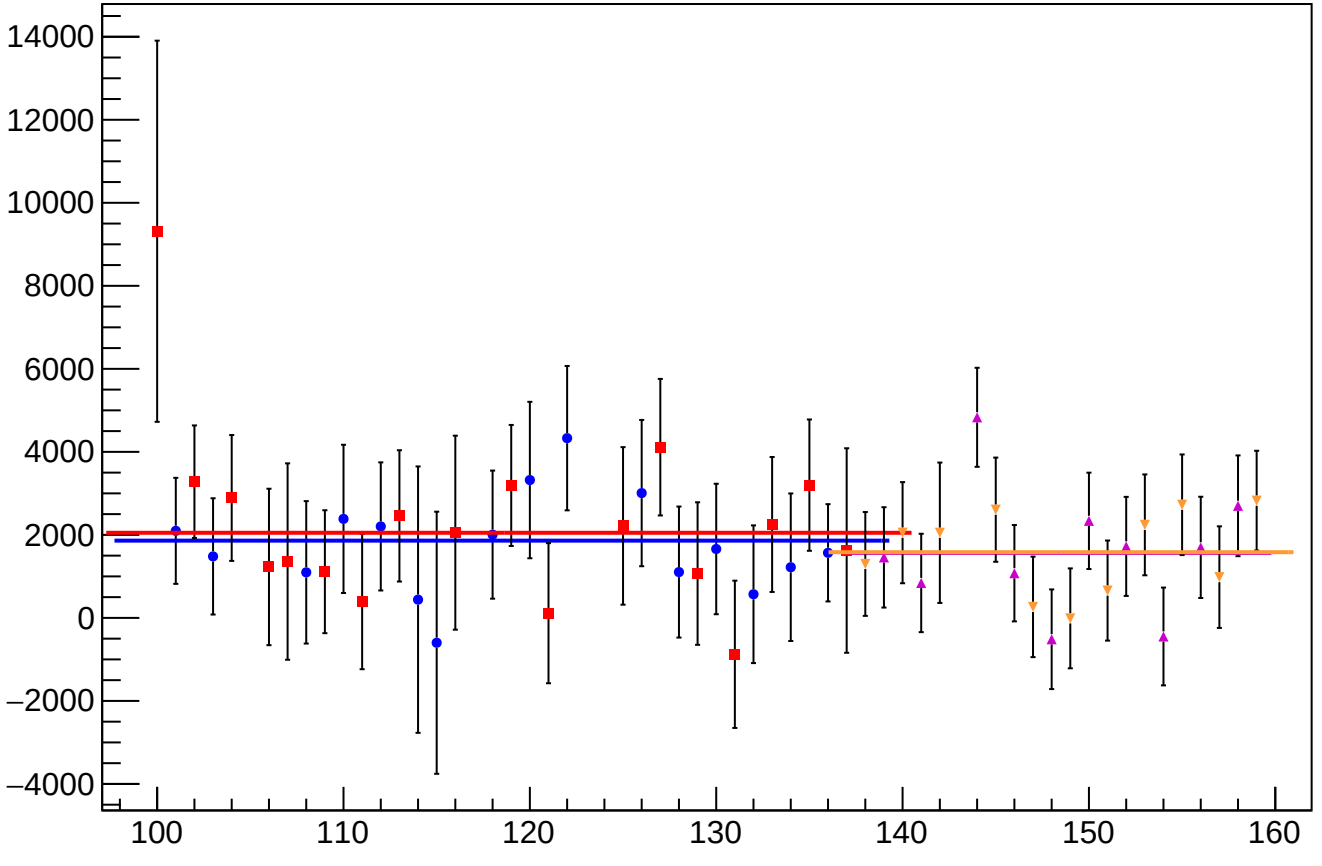
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1067.370+/-0.200 χ^2/NDF:3182989.1/25

Out: 1068.061+/-0.201 χ^2/NDF:3575039.4/28

All: 1067.715+/-0.142 χ^2/NDF: 6758034.5/54

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1582.640+/-375.926 χ^2/NDF:7.0/10

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

Left In: 1564.549+/-376.562 χ^2/NDF:15.3/9

Left: 1573.610+/-266.044 χ^2/NDF: 22.3/20

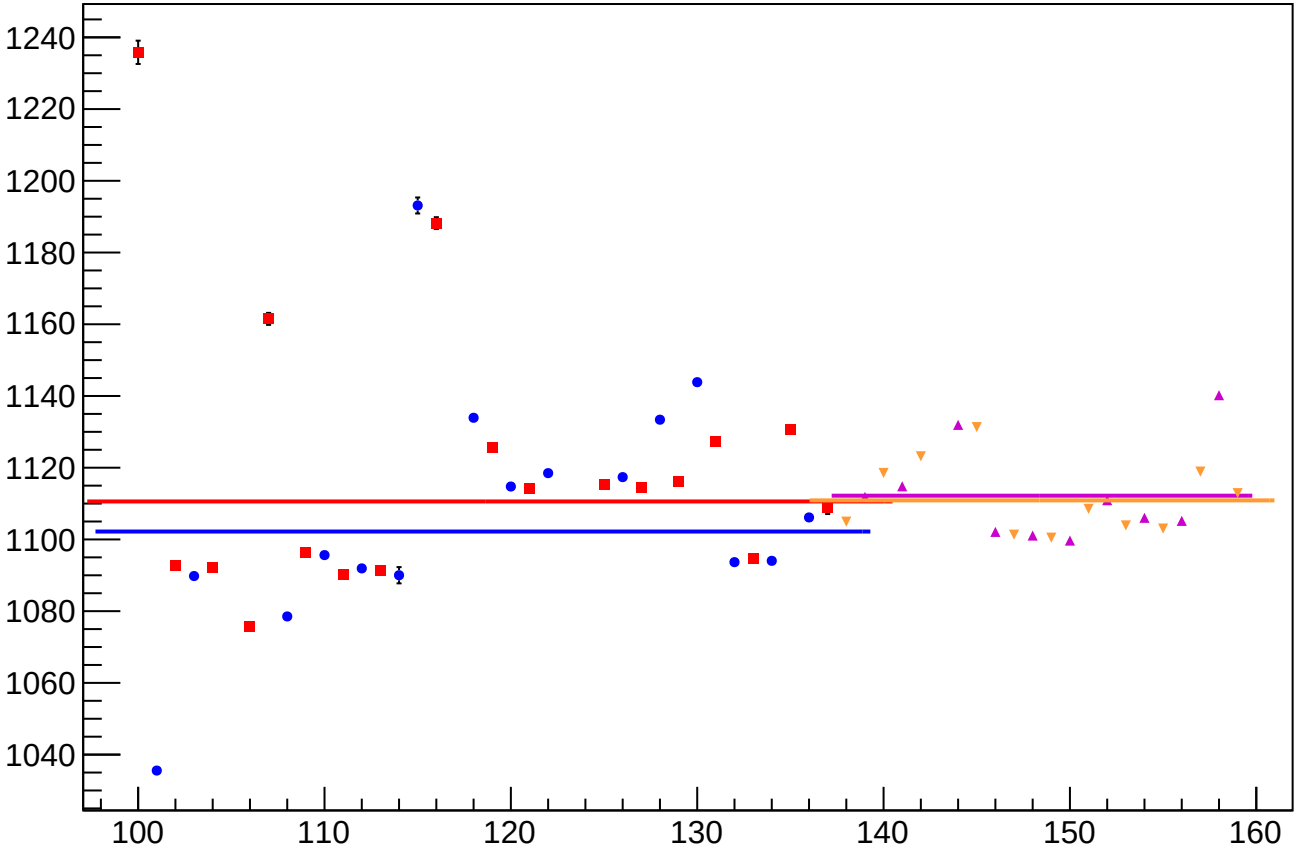
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1700.606+/-277.191 χ^2/NDF:21.0/25

Out: 1796.906+/-276.852 χ^2/NDF:20.2/28

All: 1748.815+/-195.884 χ^2/NDF: 41.2/54

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.886+/-0.266 χ^2/NDF:1282.5/10

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

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

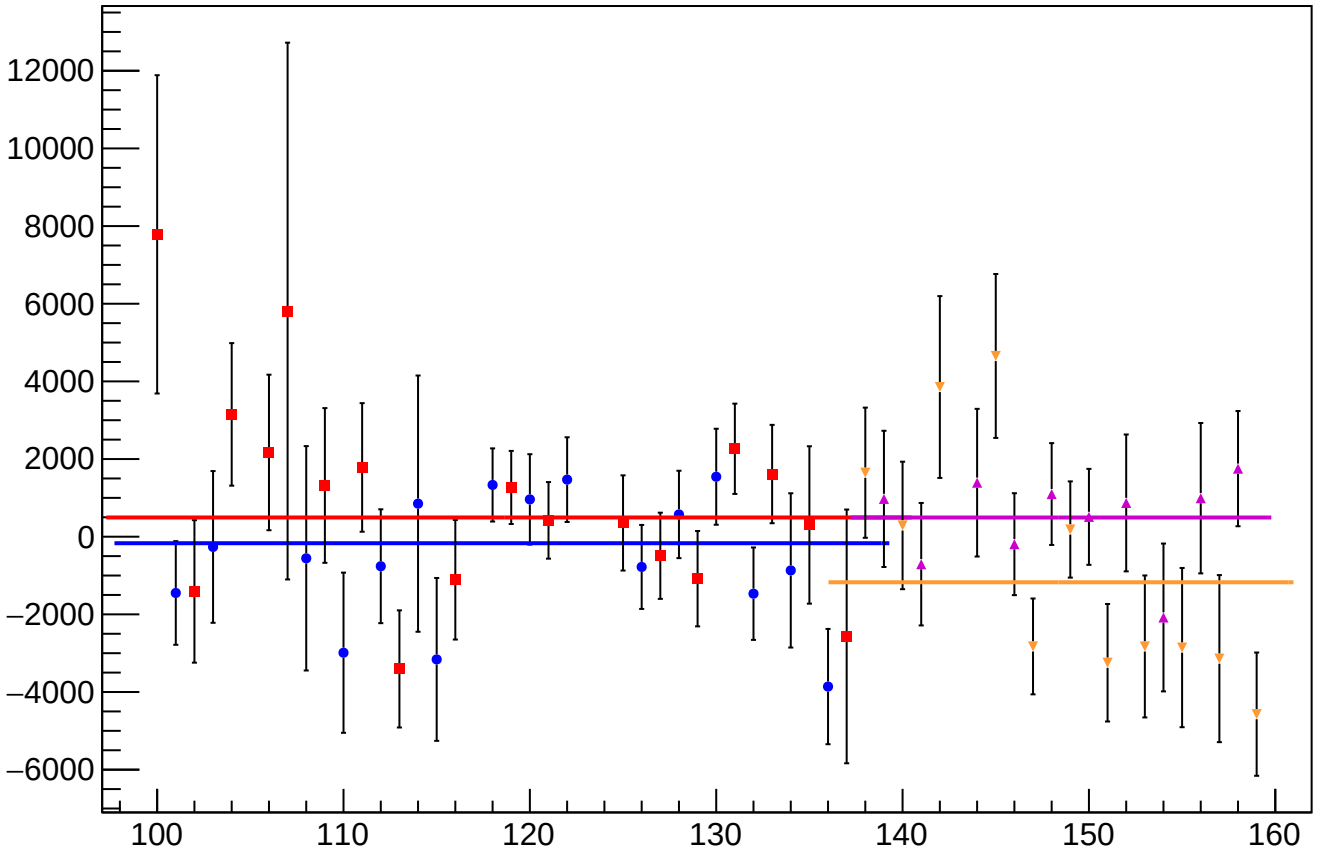
Left: 1111.540+/-0.188 χ^2/NDF: 3597.1/20

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

In: 1107.619+/-0.196 χ^2/NDF:14296.4/25

Out: 1110.751+/-0.196 χ^2/NDF:8979.1/28

All: 1109.187+/-0.139 χ^2/NDF: 23403.4/54



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

Left Out: -1173.175+/-498.269 χ^2/NDF:27.6/10

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

Left In: 494.149+/-491.530 χ^2/NDF:4.0/9

Left: -328.161+/-349.922 χ^2/NDF: 37.3/20

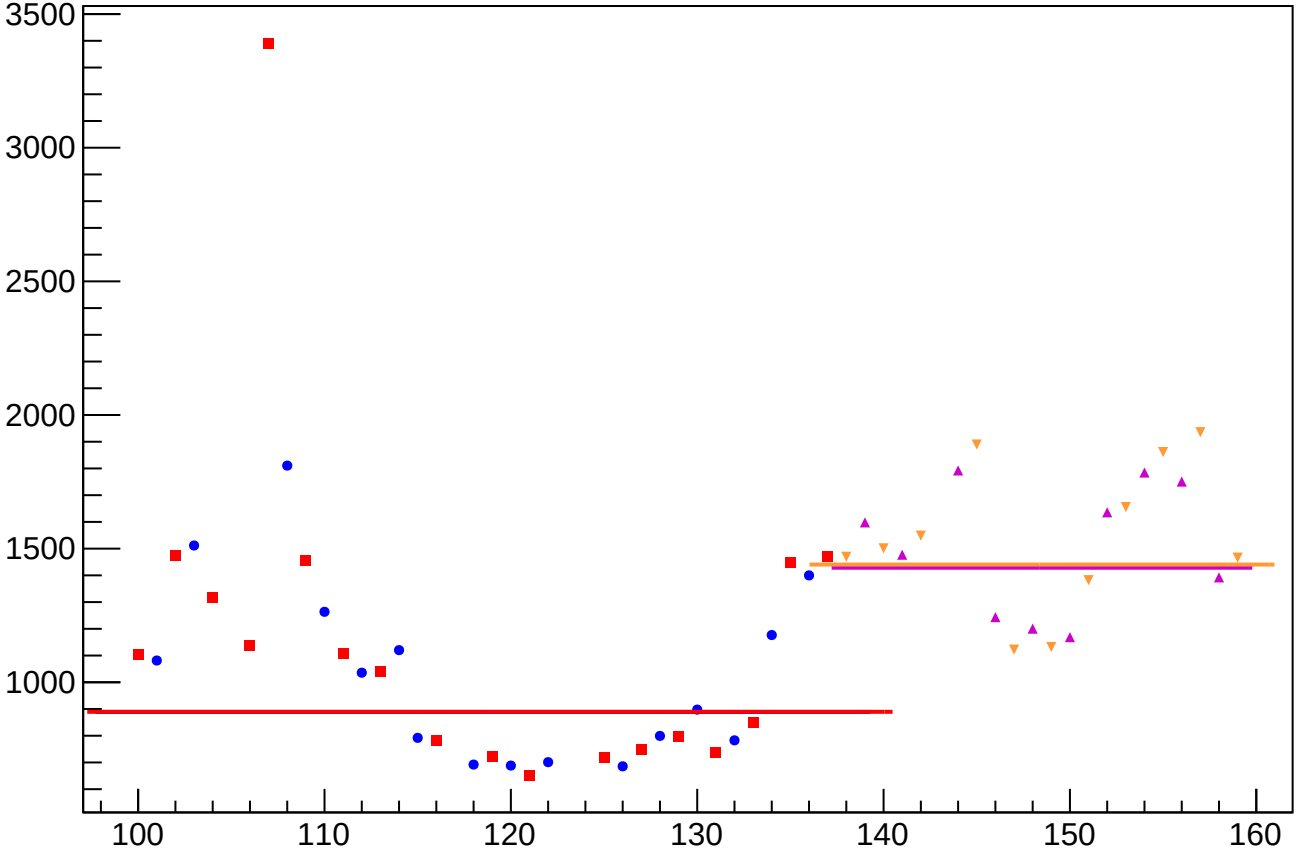
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 50.990+/-282.626 χ^2/NDF:26.3/25

Out: -45.582+/-283.675 χ^2/NDF:58.5/28

All: 2.883+/-200.216 χ^2/NDF: 84.8/54

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1440.448+/-0.352 χ^2/NDF:576474.3/10

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

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

Left: 1434.442+/-0.247 χ^2/NDF: 1013592.7/20

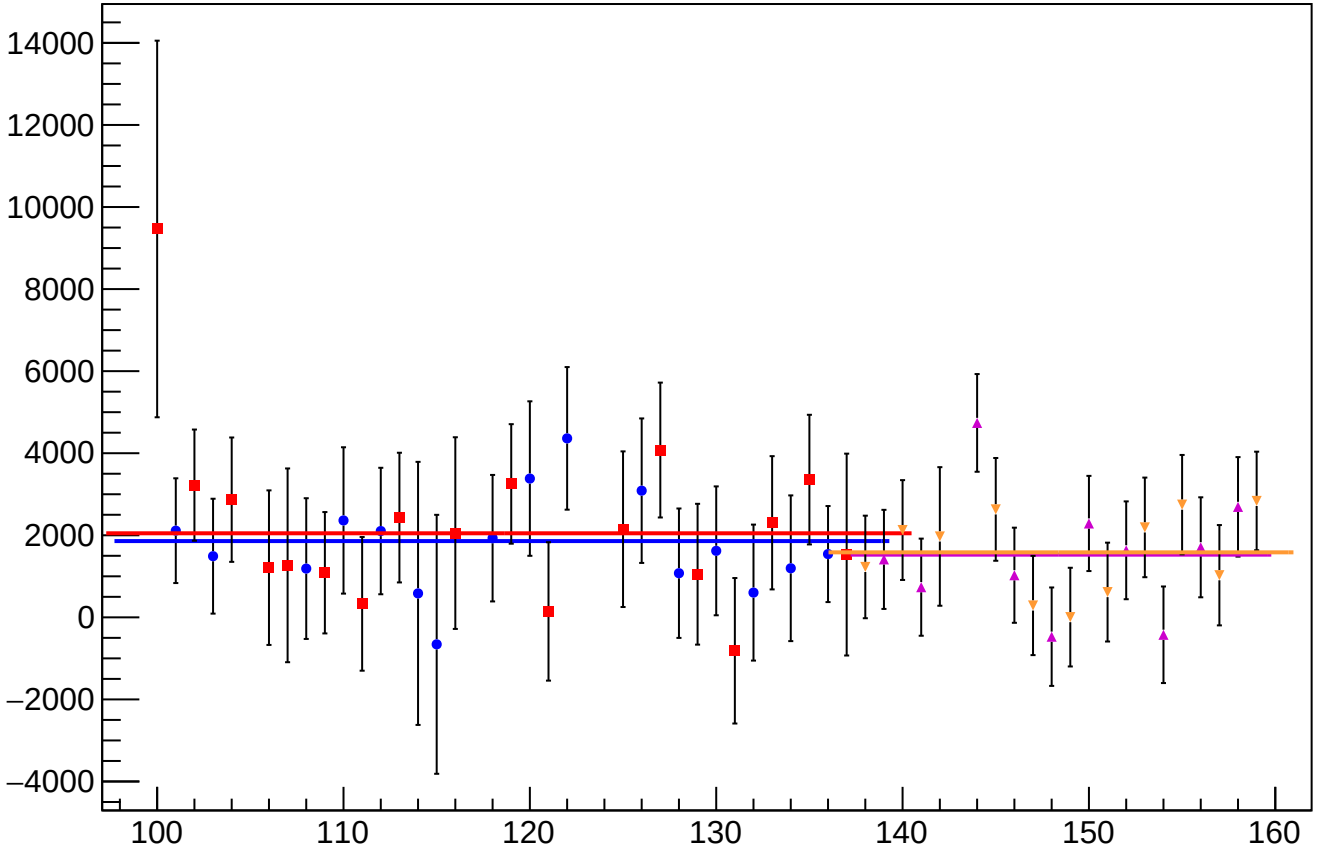
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1067.370+/-0.200 χ^2/NDF:3182989.1/25

Out: 1068.061+/-0.201 χ^2/NDF:3575039.4/28

All: 1067.715+/-0.142 χ^2/NDF: 6758034.5/54

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1584.276+/-375.524 χ^2/NDF:7.0/10

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

Left In: 1527.831+/-376.168 χ^2/NDF:14.8/9

Left: 1556.102+/-265.763 χ^2/NDF: 21.9/20

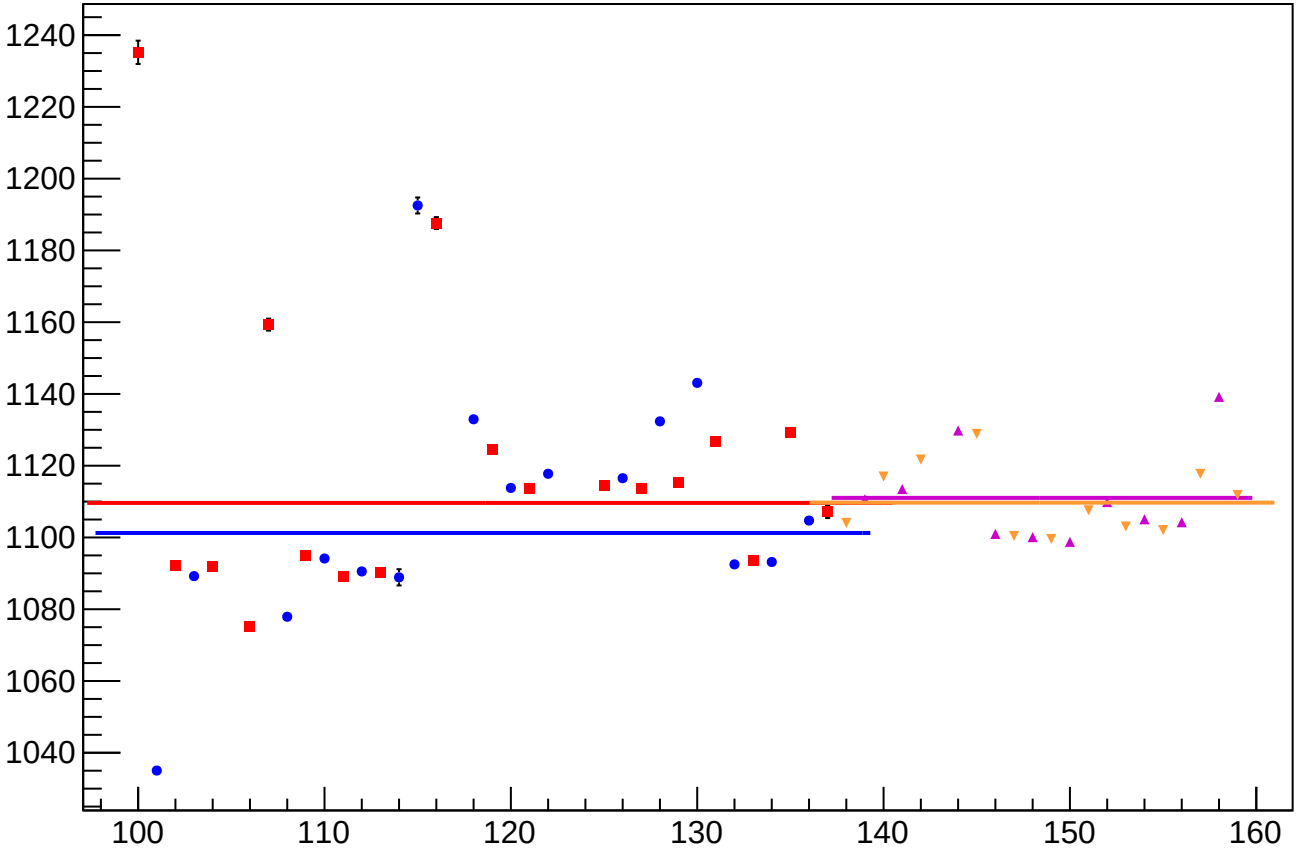
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1679.378+/-276.924 χ^2/NDF:20.6/25

Out: 1796.755+/-276.581 χ^2/NDF:20.5/28

All: 1738.139+/-195.694 χ^2/NDF: 41.2/54

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.708+/-0.266 χ^2/NDF:1180.1/10

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

Left In: 1111.034+/-0.266 χ^2/NDF:2239.1/9

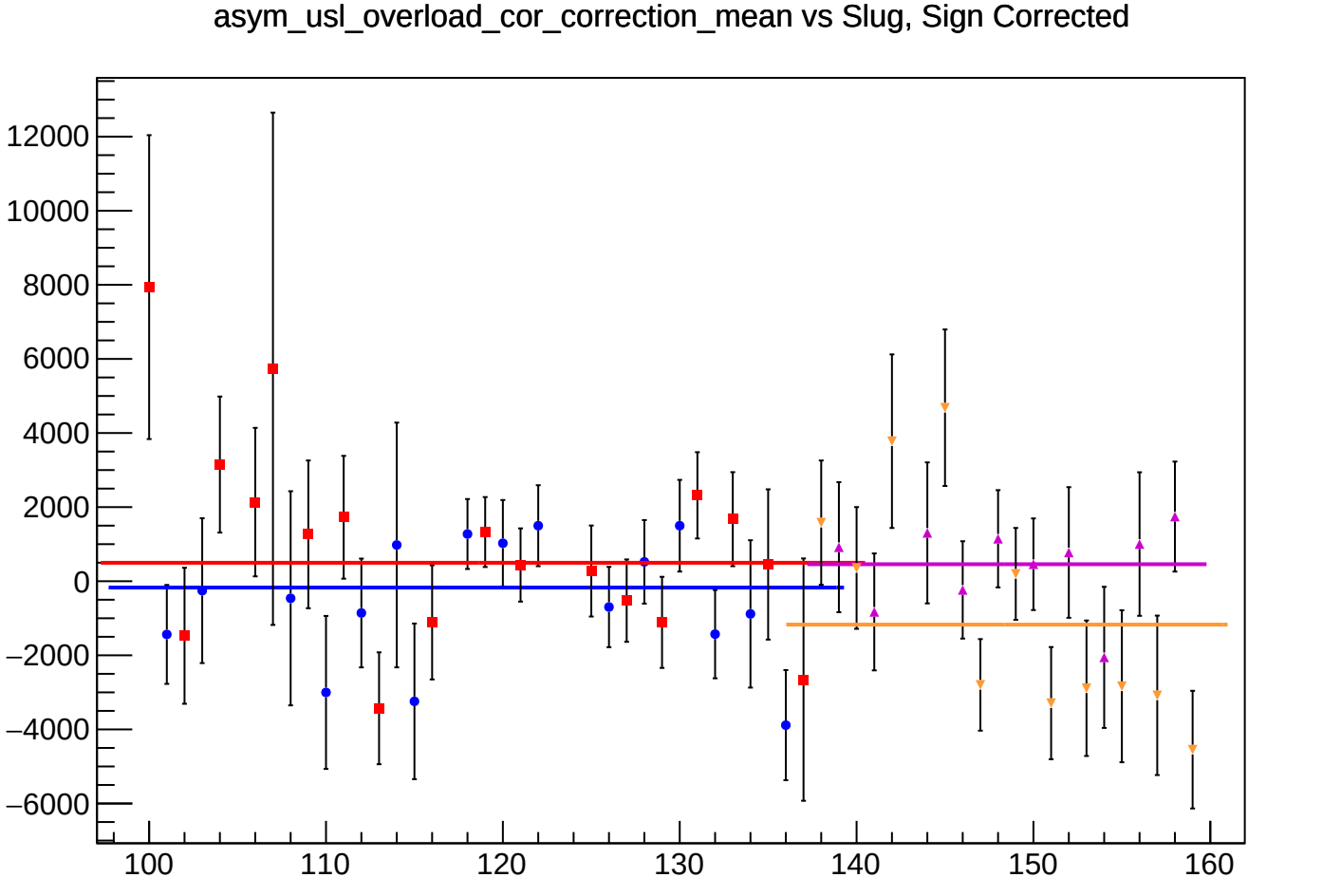
Left: 1110.370+/-0.188 χ^2/NDF: 3431.7/20

Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

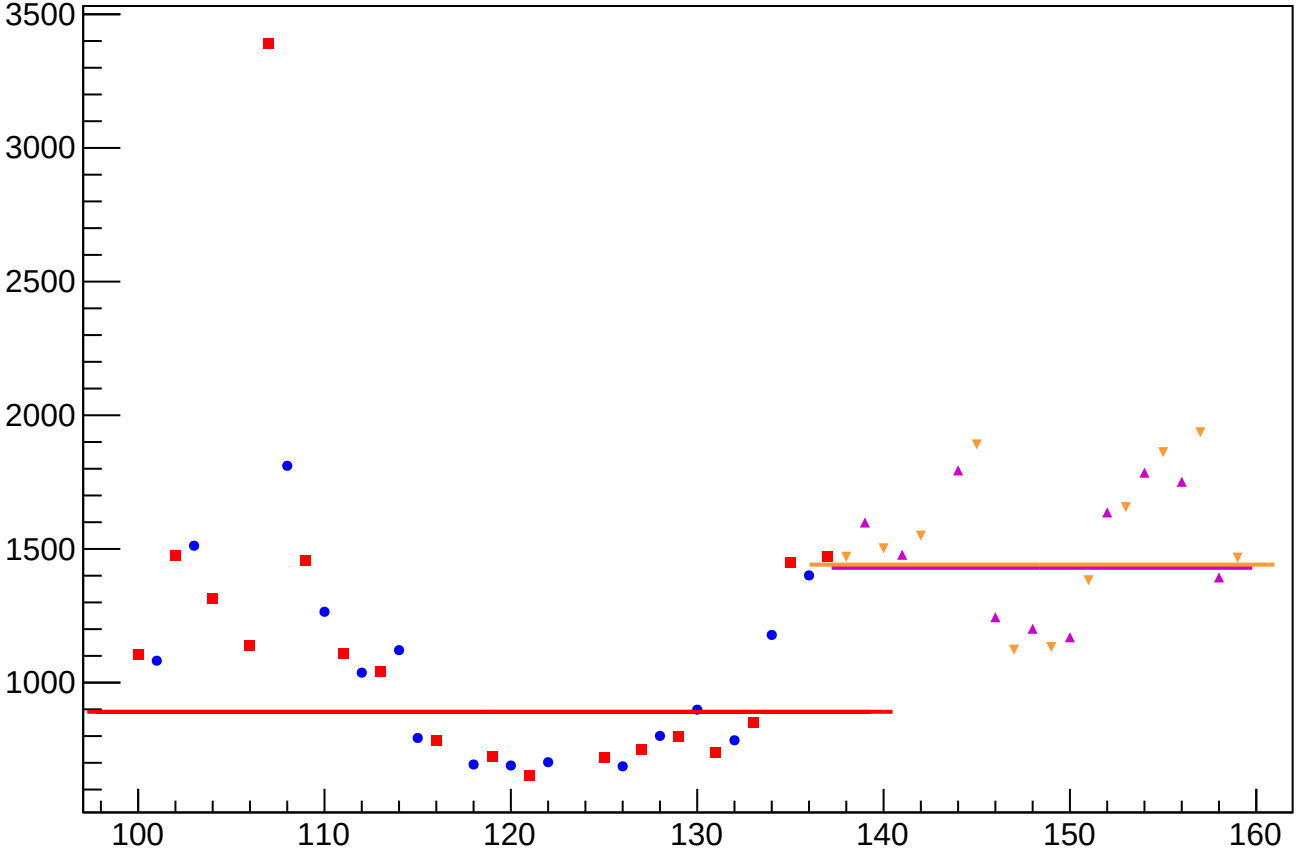
In: 1106.555+/-0.196 χ^2/NDF:14166.6/25

Out: 1109.671+/-0.196 χ^2/NDF:8853.2/28

All: 1108.115+/-0.138 χ^2/NDF: 23146.6/54


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1171.213+/-498.581 χ²/NDF:27.5/10
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 458.750+/-491.840 χ²/NDF:4.1/9
Left: -345.138+/-350.142 χ²/NDF: 37.0/20
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: 37.512+/-282.980 χ²/NDF:26.1/25
Out: -43.688+/-284.016 χ²/NDF:59.0/28
All: -2.940+/-200.462 χ²/NDF: 85.1/54

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1441.392+/-0.353 χ^2/NDF:575670.8/10

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

Left In: 1429.531+/-0.348 χ^2/NDF:435920.4/9

Left: 1435.381+/-0.248 χ^2/NDF: 1012164.9/20

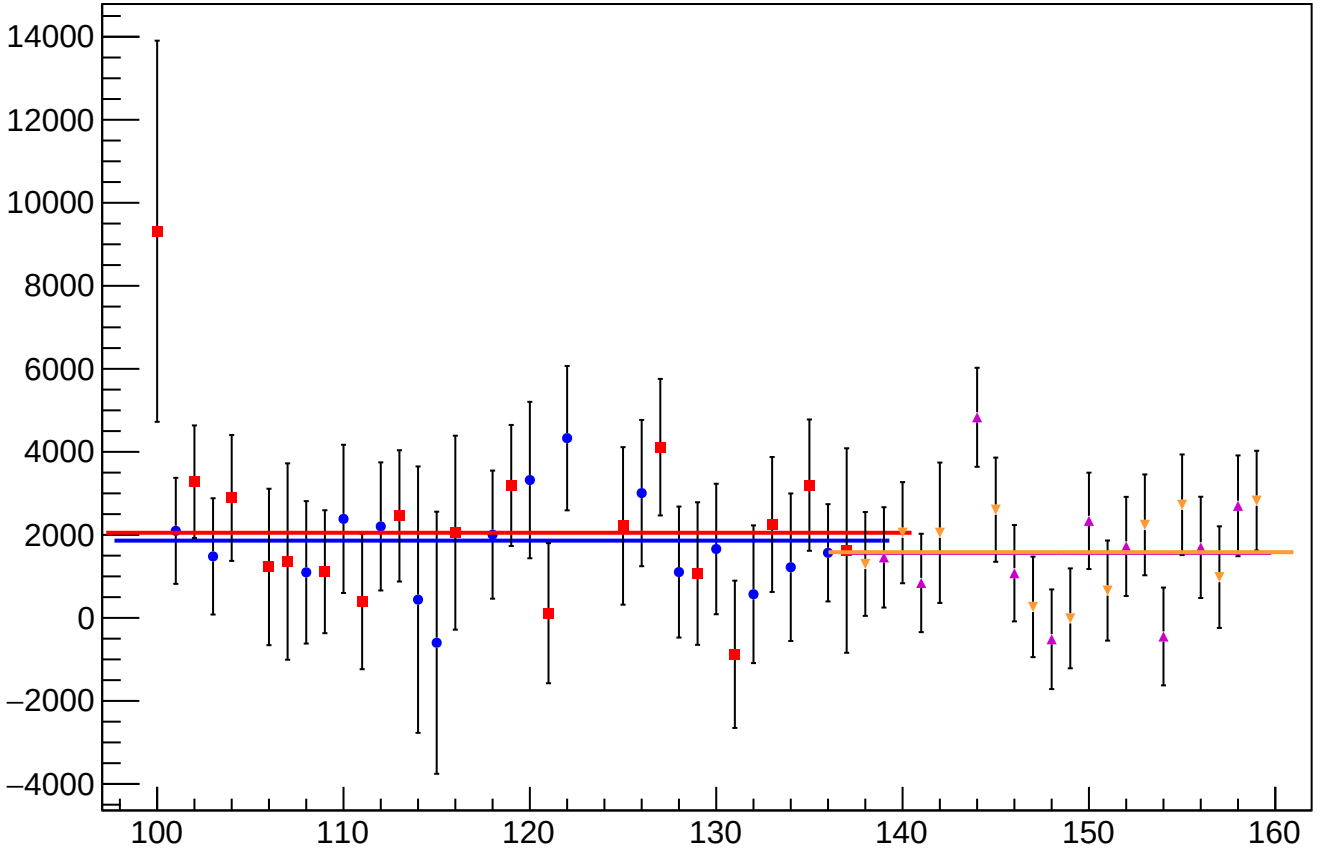
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1068.930+/-0.200 χ^2/NDF:3171703.3/25

Out: 1069.561+/-0.201 χ^2/NDF:3564220.6/28

All: 1069.244+/-0.142 χ^2/NDF: 6735928.9/54

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1582.640+/-375.926 χ^2/NDF:7.0/10

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

Left In: 1564.549+/-376.562 χ^2/NDF:15.3/9

Left: 1573.610+/-266.044 χ^2/NDF: 22.3/20

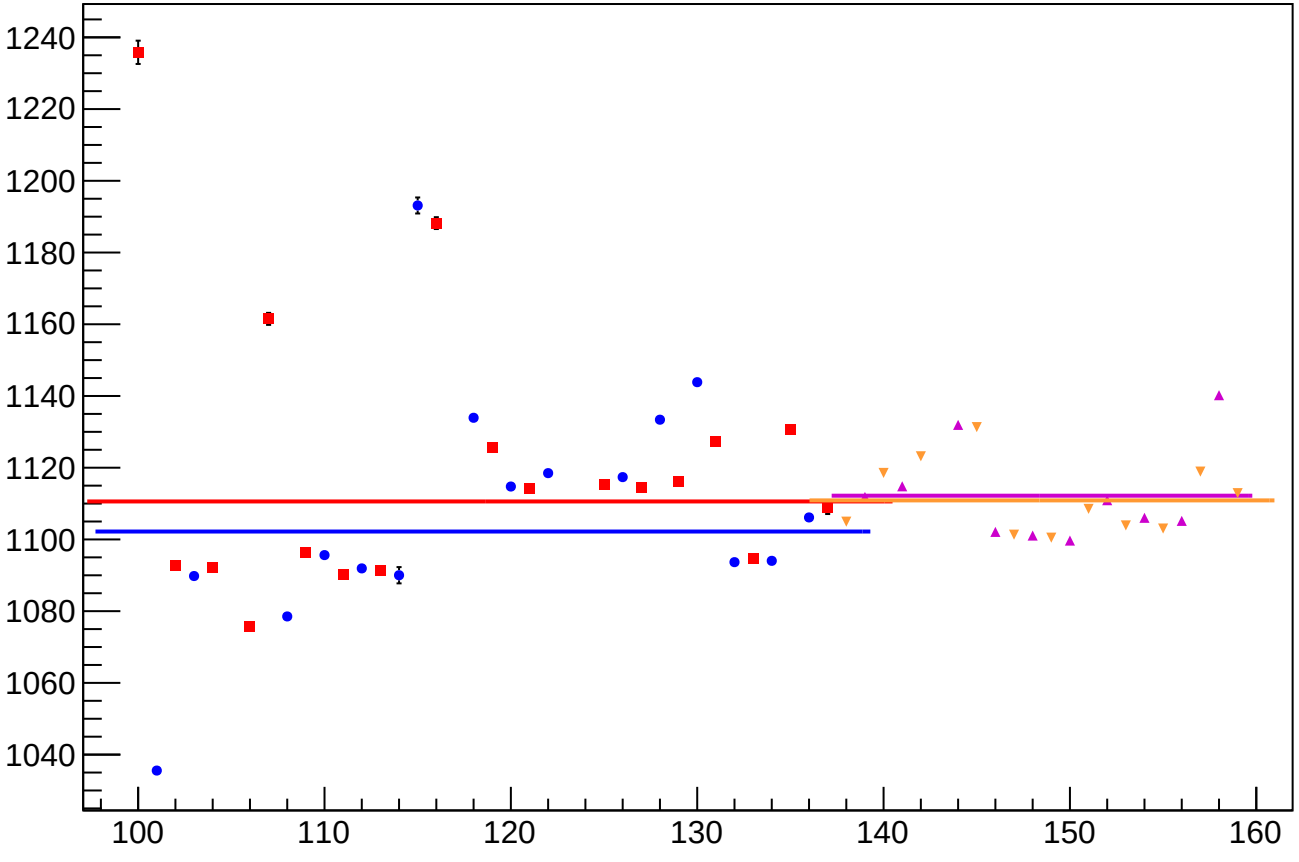
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1700.606+/-277.191 χ^2/NDF:21.0/25

Out: 1796.906+/-276.852 χ^2/NDF:20.2/28

All: 1748.815+/-195.884 χ^2/NDF: 41.2/54

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.886+/-0.266 χ^2/NDF:1282.5/10

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

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

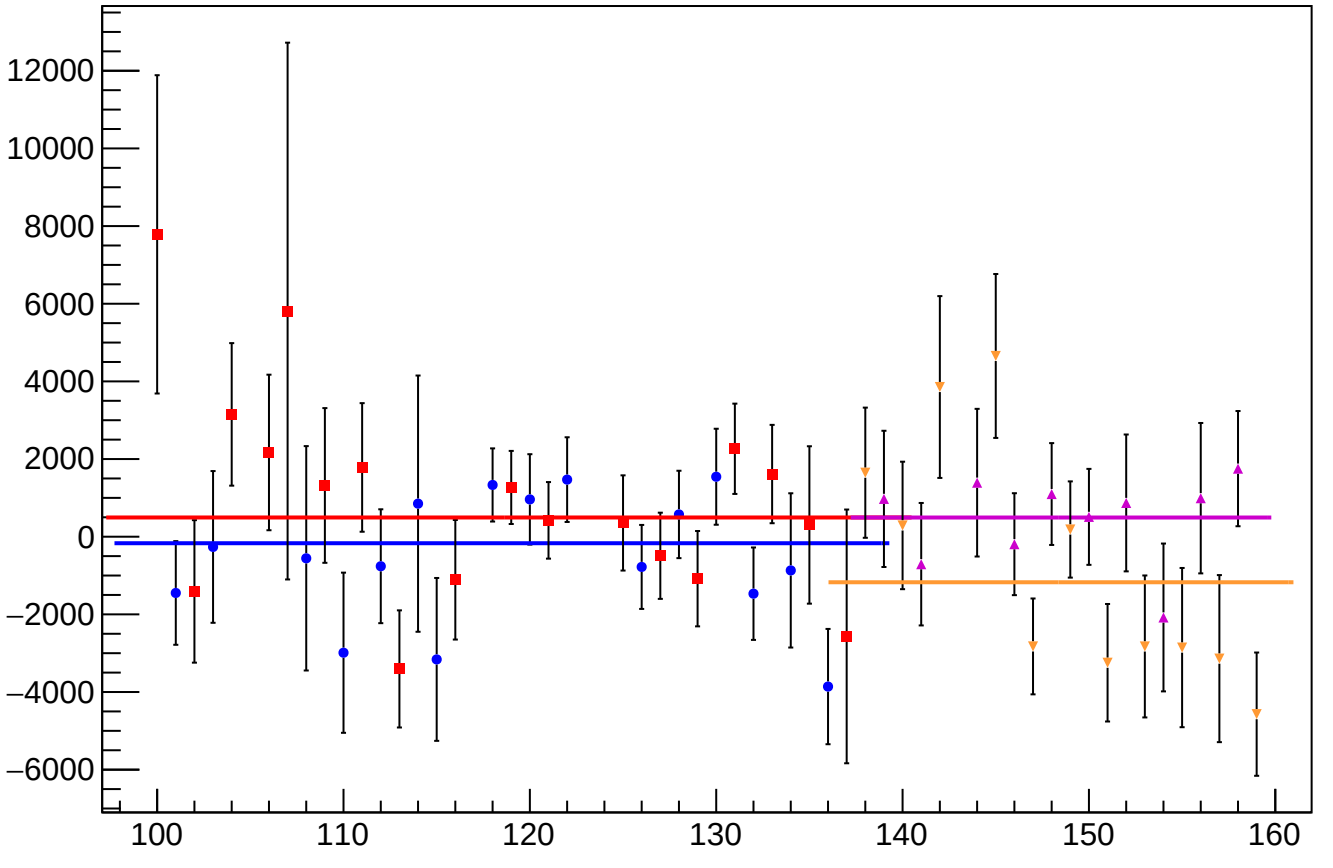
Left: 1111.540+/-0.188 χ^2/NDF: 3597.1/20

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

In: 1107.619+/-0.196 χ^2/NDF:14296.4/25

Out: 1110.751+/-0.196 χ^2/NDF:8979.1/28

All: 1109.187+/-0.139 χ^2/NDF: 23403.4/54



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

Left Out: -1173.175+/-498.269 χ^2/NDF:27.6/10

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

Left In: 494.149+/-491.530 χ^2/NDF:4.0/9

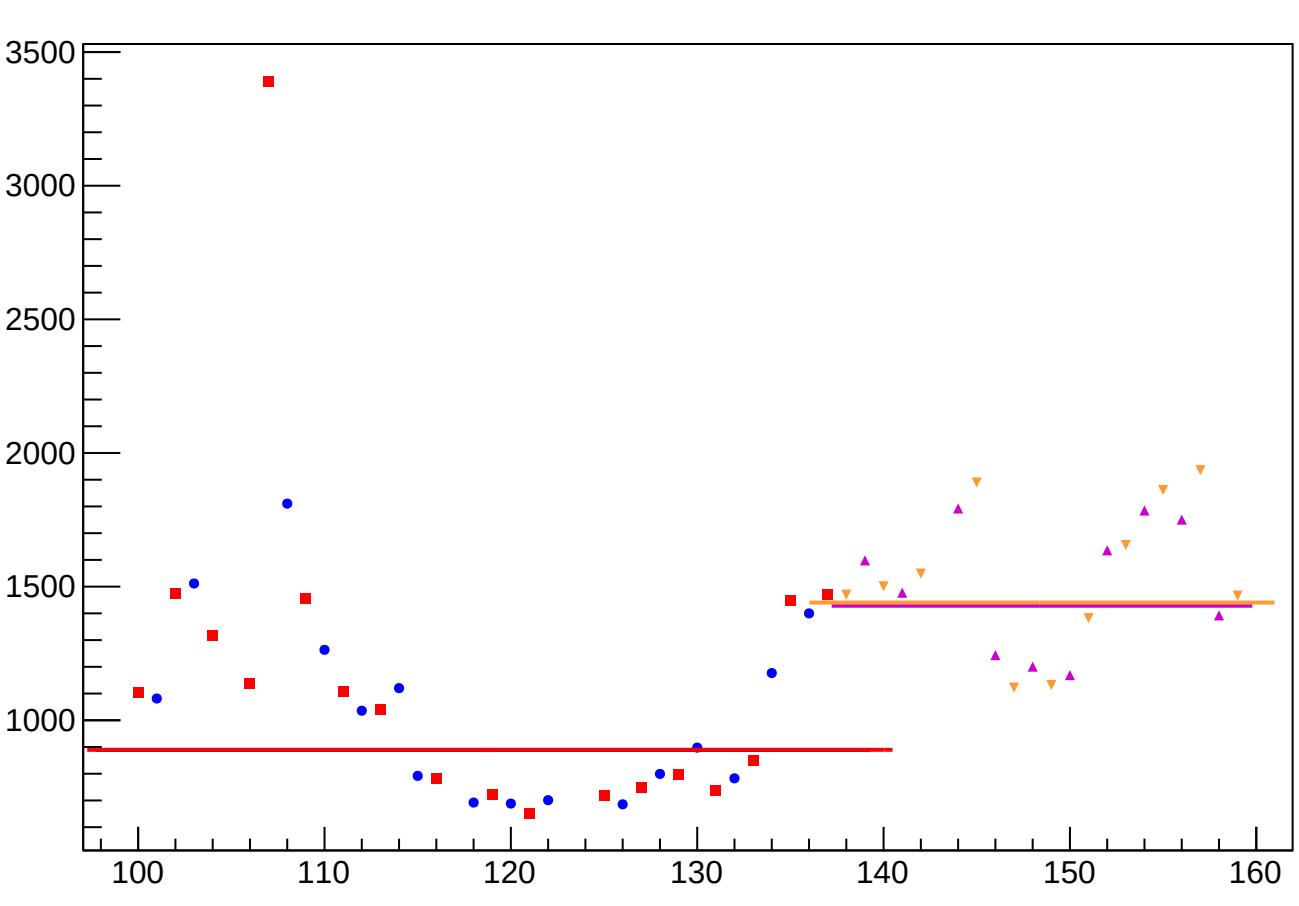
Left: -328.161+/-349.922 χ^2/NDF: 37.3/20

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

In: 50.990+/-282.626 χ^2/NDF:26.3/25

Out: -45.582+/-283.675 χ^2/NDF:58.5/28

All: 2.883+/-200.216 χ^2/NDF: 84.8/54



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

Left Out: 1440.448+/-0.352 χ^2/NDF:576474.3/10

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

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

Left: 1434.442+/-0.247 χ^2/NDF: 1013592.7/20

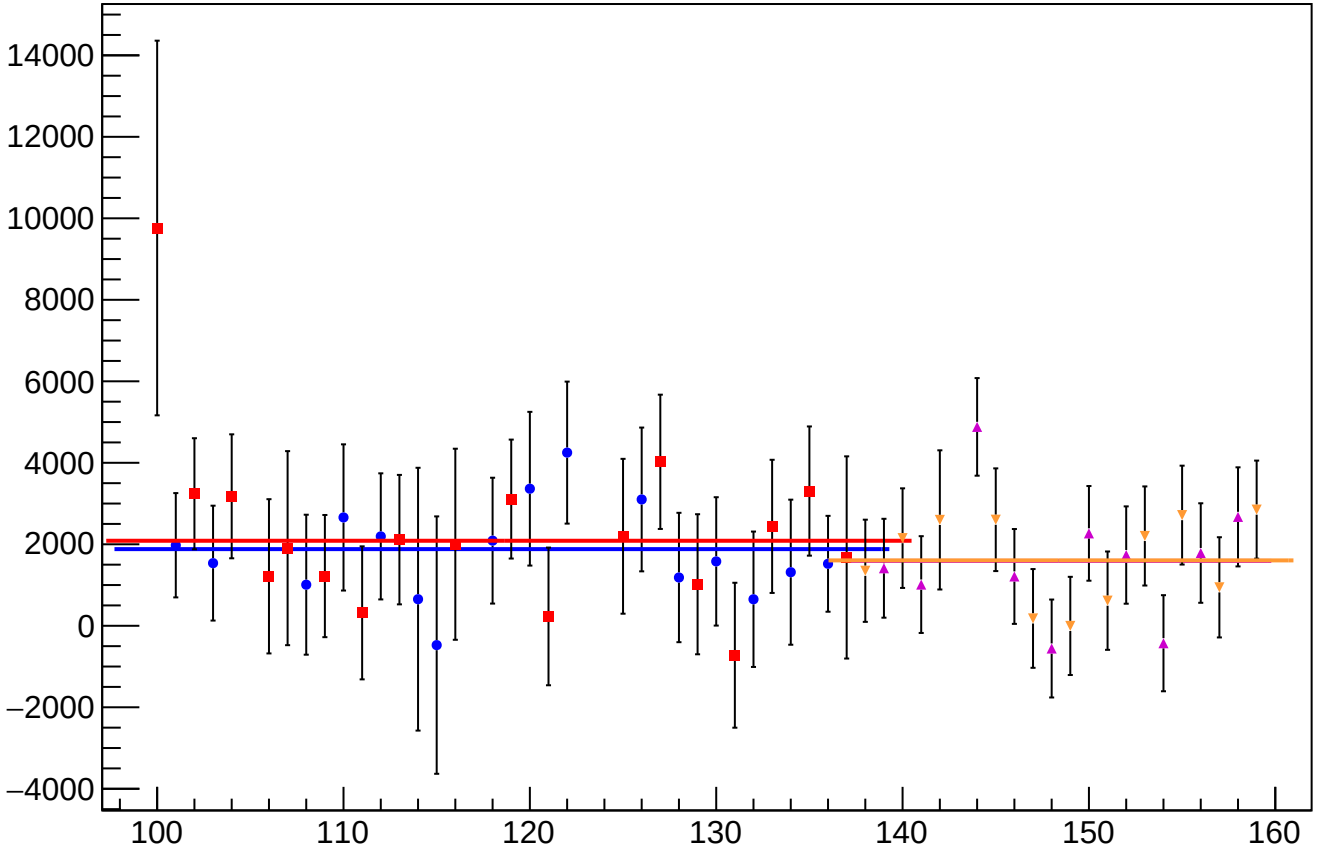
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1067.370+/-0.200 χ^2/NDF:3182989.1/25

Out: 1068.061+/-0.201 χ^2/NDF:3575039.4/28

All: 1067.715+/-0.142 χ^2/NDF: 6758034.5/54

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1604.824+/-376.838 χ^2/NDF:7.5/10

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

Left In: 1591.945+/-377.313 χ^2/NDF:15.2/9

Left: 1598.393+/-266.632 χ^2/NDF: 22.7/20

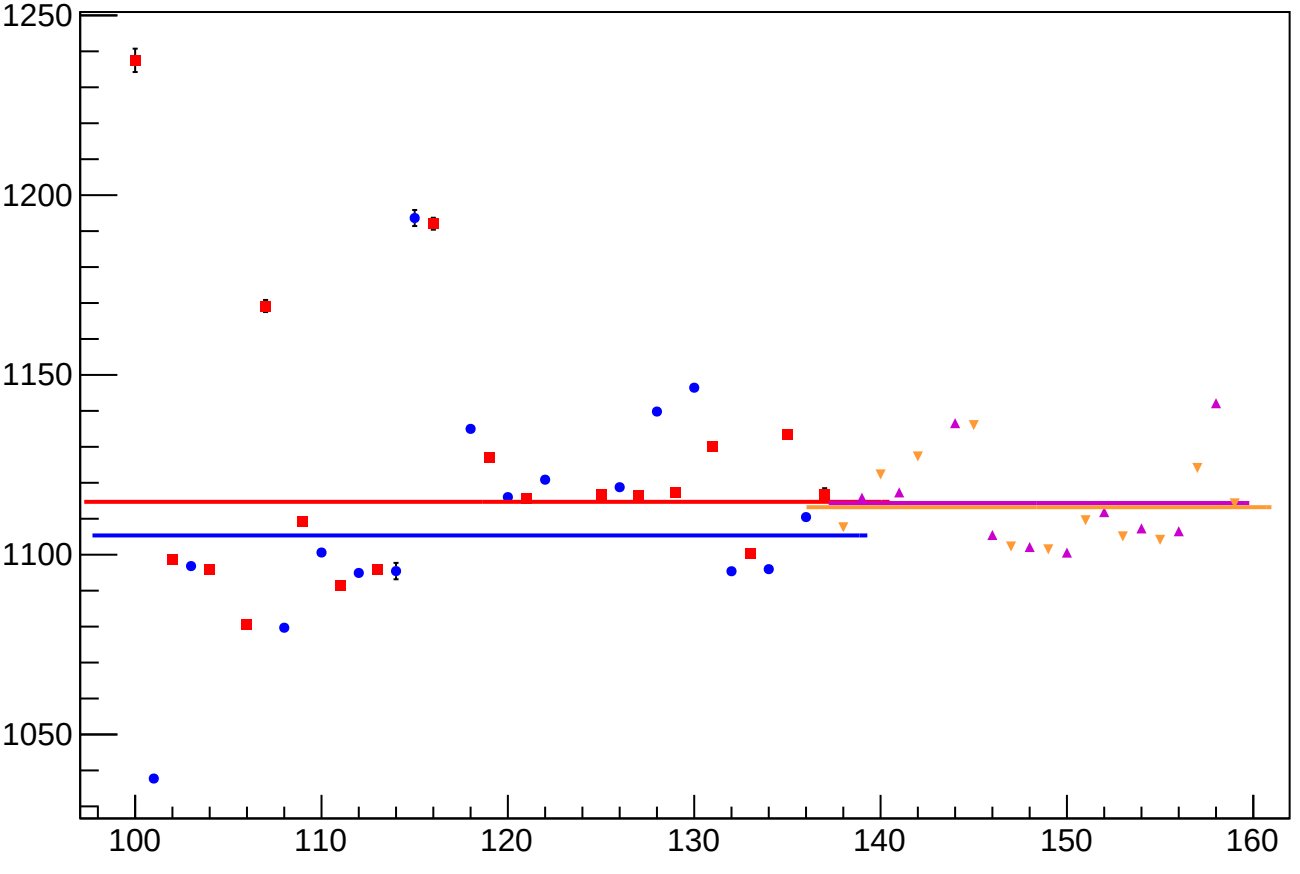
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1724.487+/-277.855 χ^2/NDF:20.7/25

Out: 1825.116+/-277.692 χ^2/NDF:20.6/28

All: 1774.831+/-196.415 χ^2/NDF: 41.3/54

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.211+/-0.266 χ^2/NDF:1674.0/10

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

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

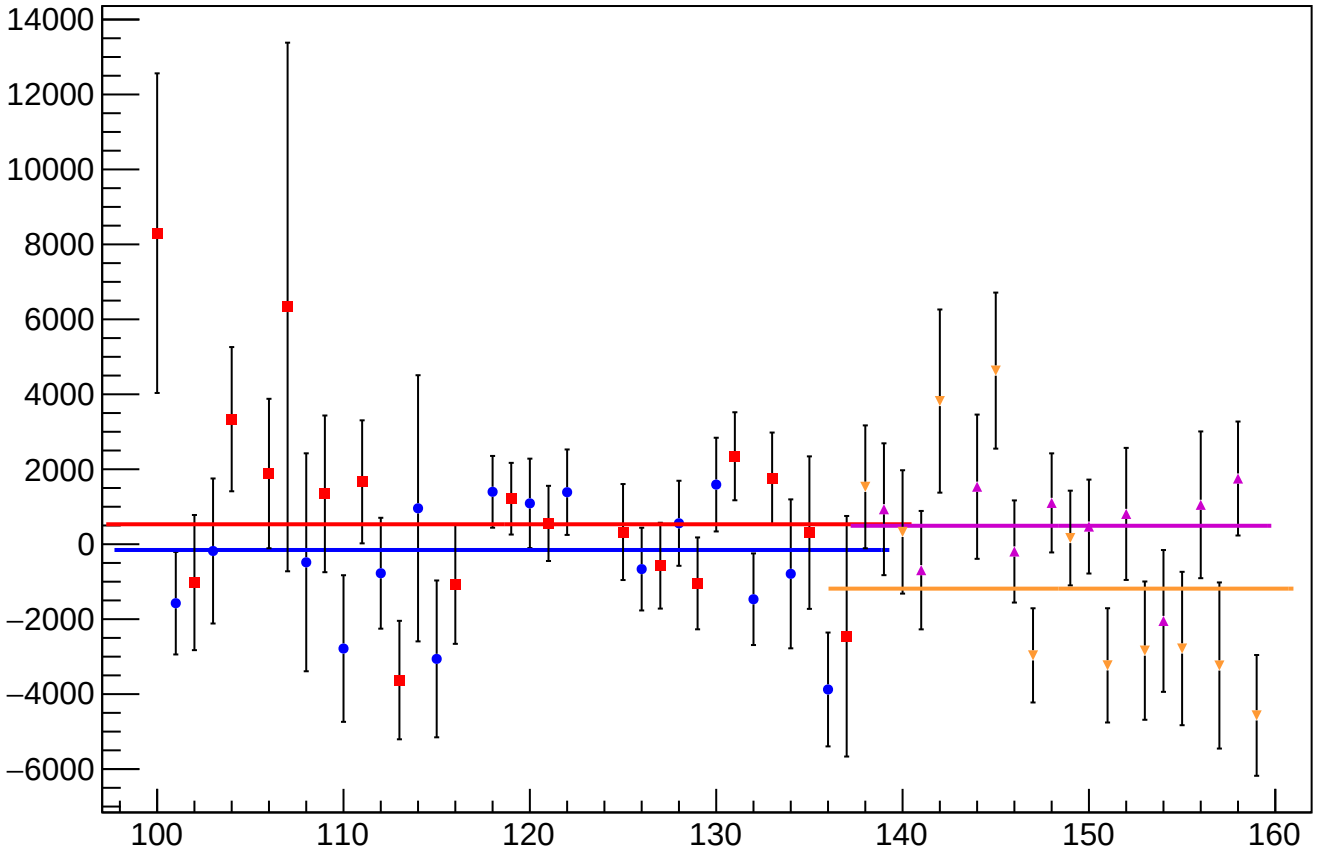
Left: 1113.794+/-0.189 χ^2/NDF: 4197.9/20

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

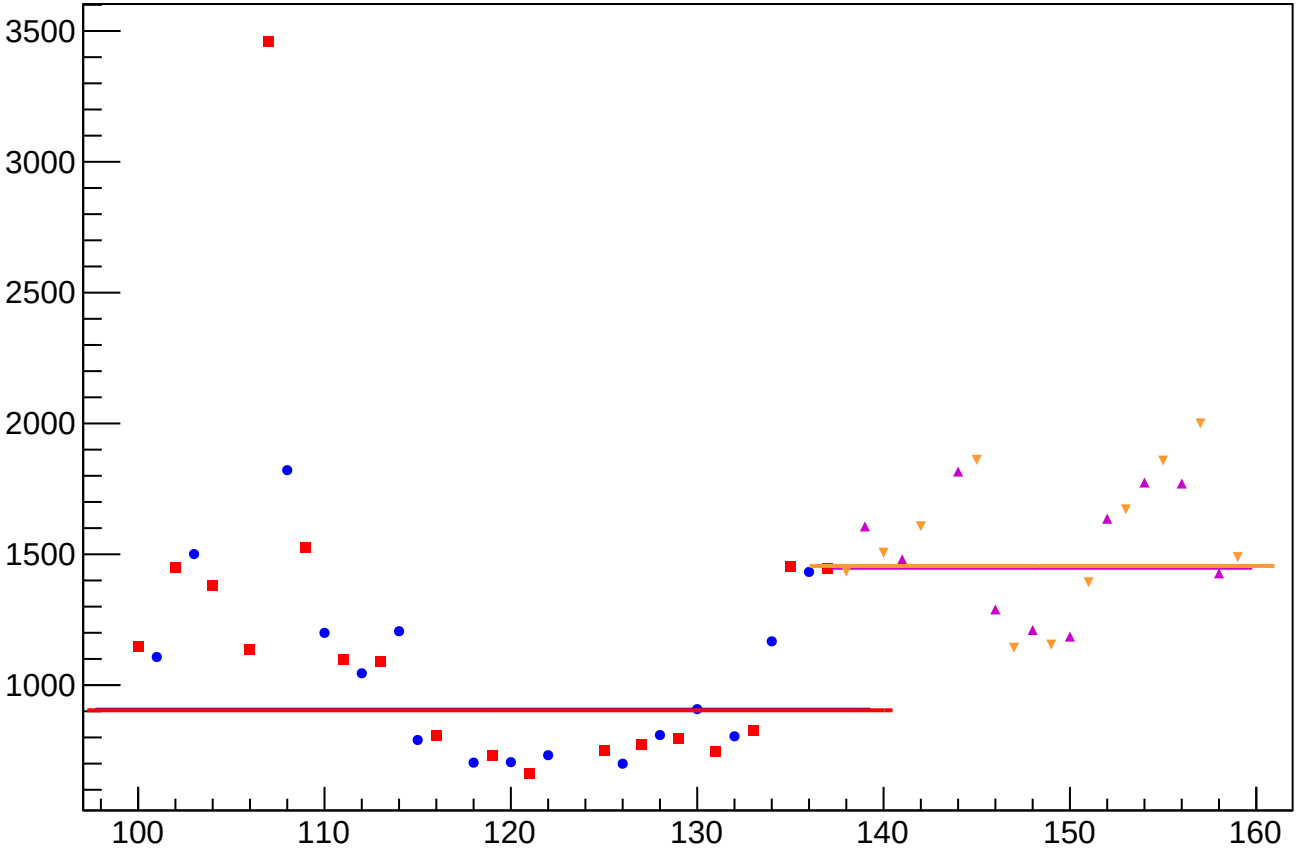
In: 1110.248+/-0.196 χ^2/NDF:14368.7/25

Out: 1113.894+/-0.196 χ^2/NDF:9018.7/28

All: 1112.072+/-0.139 χ^2/NDF: 23559.6/54


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1185.321+/-503.150 χ²/NDF:27.2/10
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 492.004+/-497.737 χ²/NDF:4.0/9
Left: -337.588+/-353.852 χ²/NDF: 36.8/20
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 60.816+/-287.022 χ²/NDF:25.6/25
Out: -28.779+/-287.546 χ²/NDF:58.3/28
All: 16.100+/-203.141 χ²/NDF: 83.9/54

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1455.447+/-0.356 χ^2/NDF:552620.2/10

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

Left In: 1448.649+/-0.352 χ^2/NDF:406573.1/9

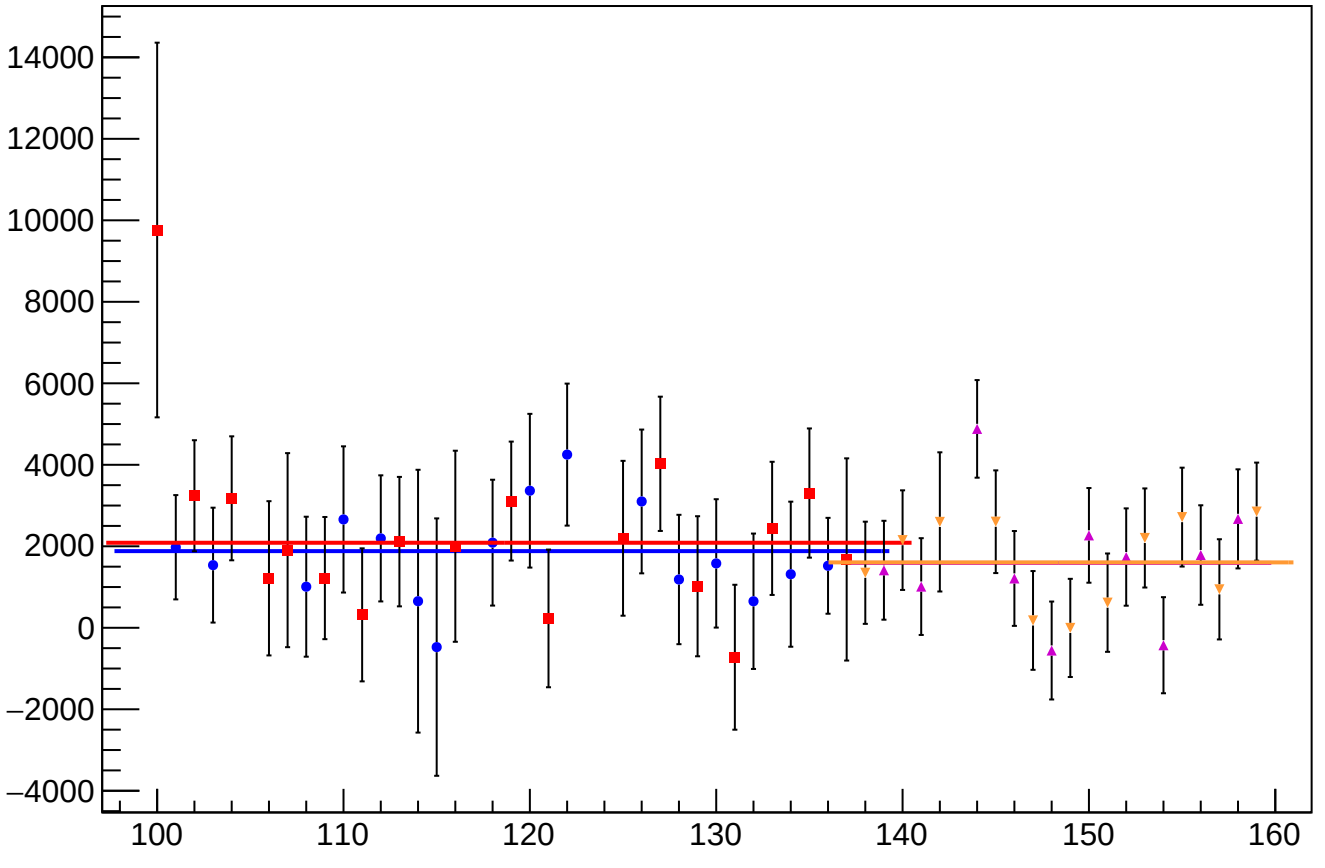
Left: 1452.011+/-0.250 χ^2/NDF: 959377.8/20

Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1086.471+/-0.203 χ^2/NDF:3072512.8/25

Out: 1083.939+/-0.203 χ^2/NDF:3511809.3/28

All: 1085.207+/-0.144 χ^2/NDF: 6584399.8/54



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

Left Out: 1604.819+/-376.838 χ^2/NDF:7.5/10

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

Left In: 1591.947+/-377.313 χ^2/NDF:15.2/9

Left: 1598.391+/-266.632 χ^2/NDF: 22.7/20

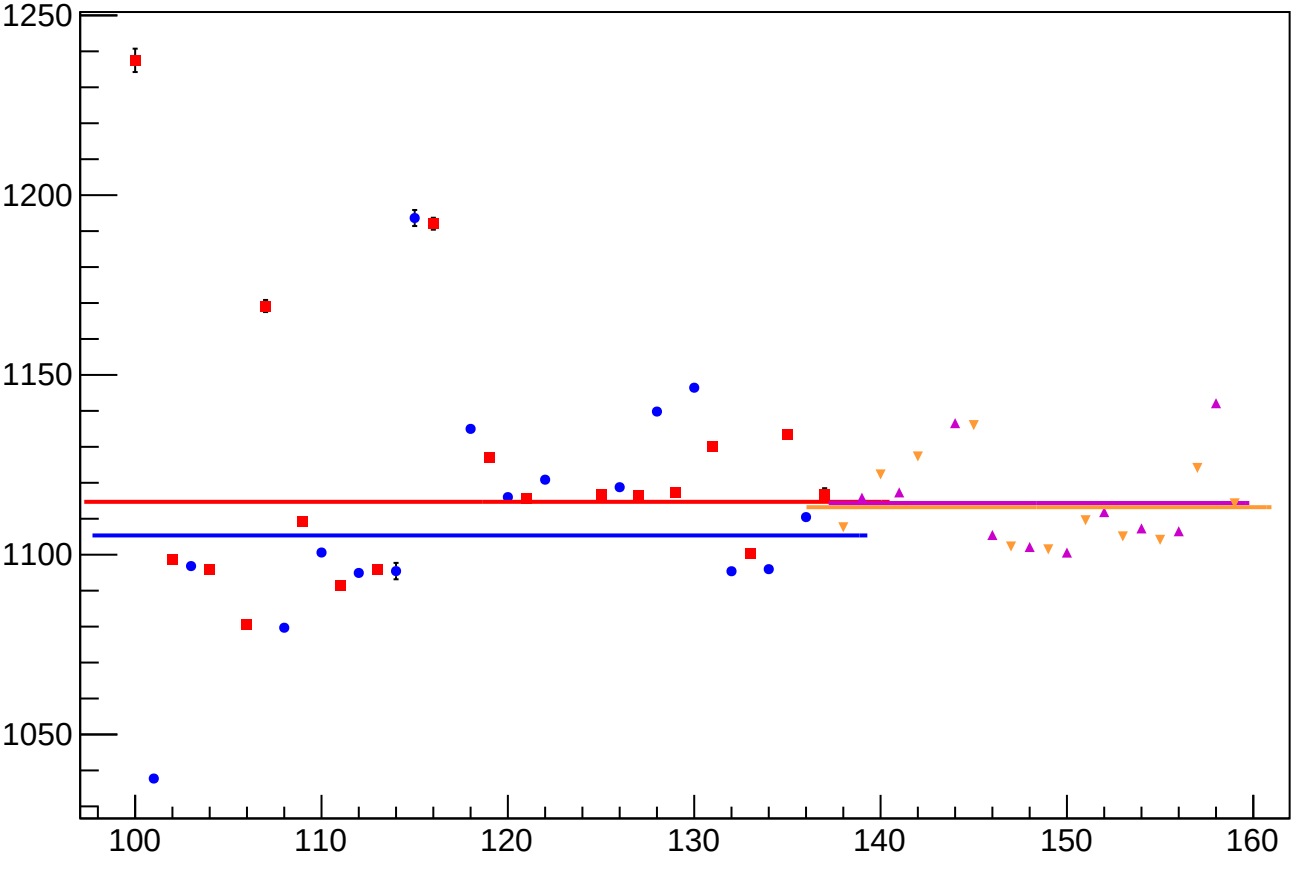
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1724.488+/-277.855 χ^2/NDF:20.7/25

Out: 1825.112+/-277.692 χ^2/NDF:20.6/28

All: 1774.830+/-196.415 χ^2/NDF: 41.3/54

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.211+/-0.266 χ^2/NDF:1674.0/10

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

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

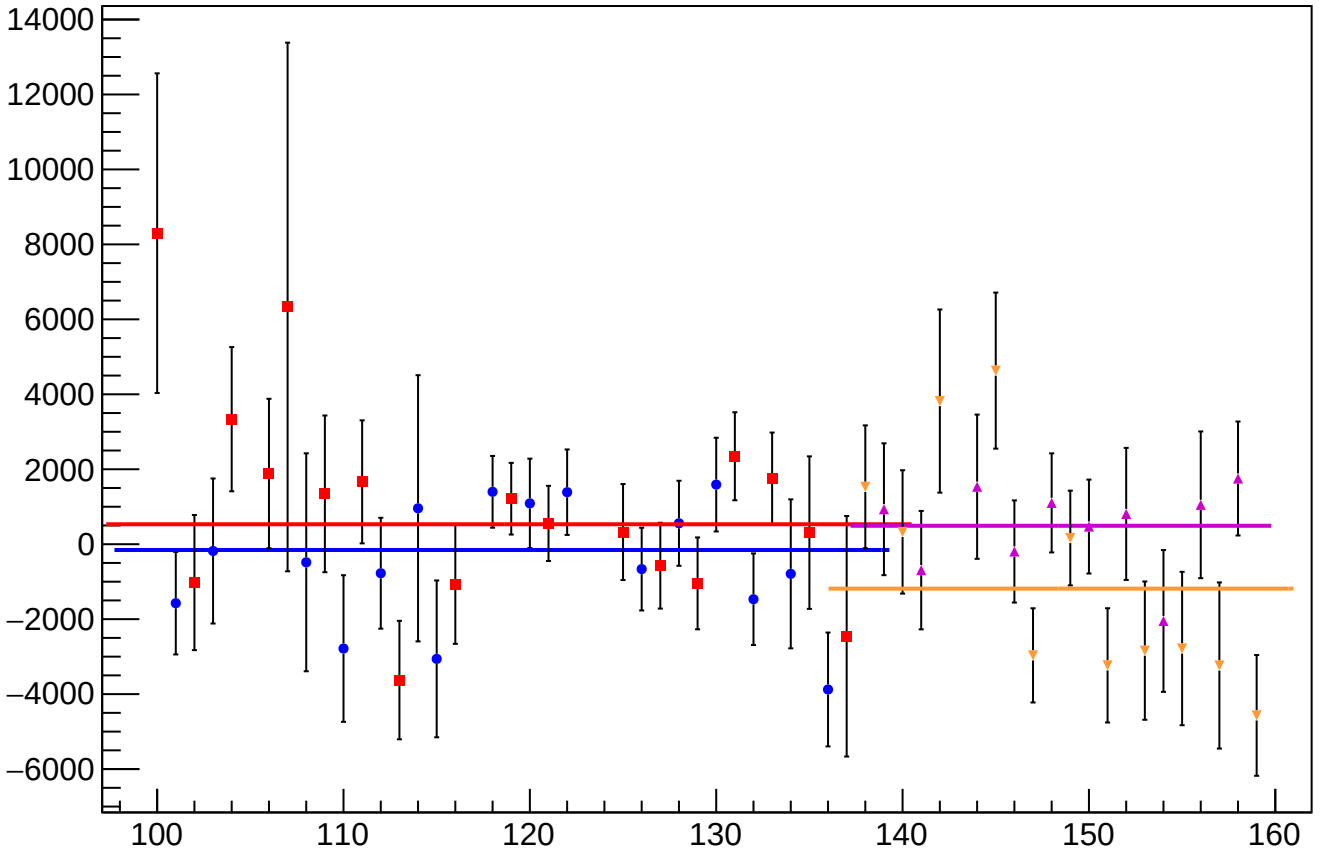
Left: 1113.794+/-0.189 χ^2/NDF: 4197.9/20

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1110.248+/-0.196 χ^2/NDF:14368.7/25

Out: 1113.894+/-0.196 χ^2/NDF:9018.6/28

All: 1112.072+/-0.139 χ^2/NDF: 23559.6/54



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

Left Out: -1185.327+/-503.151 χ^2/NDF:27.2/10

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

Left In: 492.006+/-497.738 χ^2/NDF:4.0/9

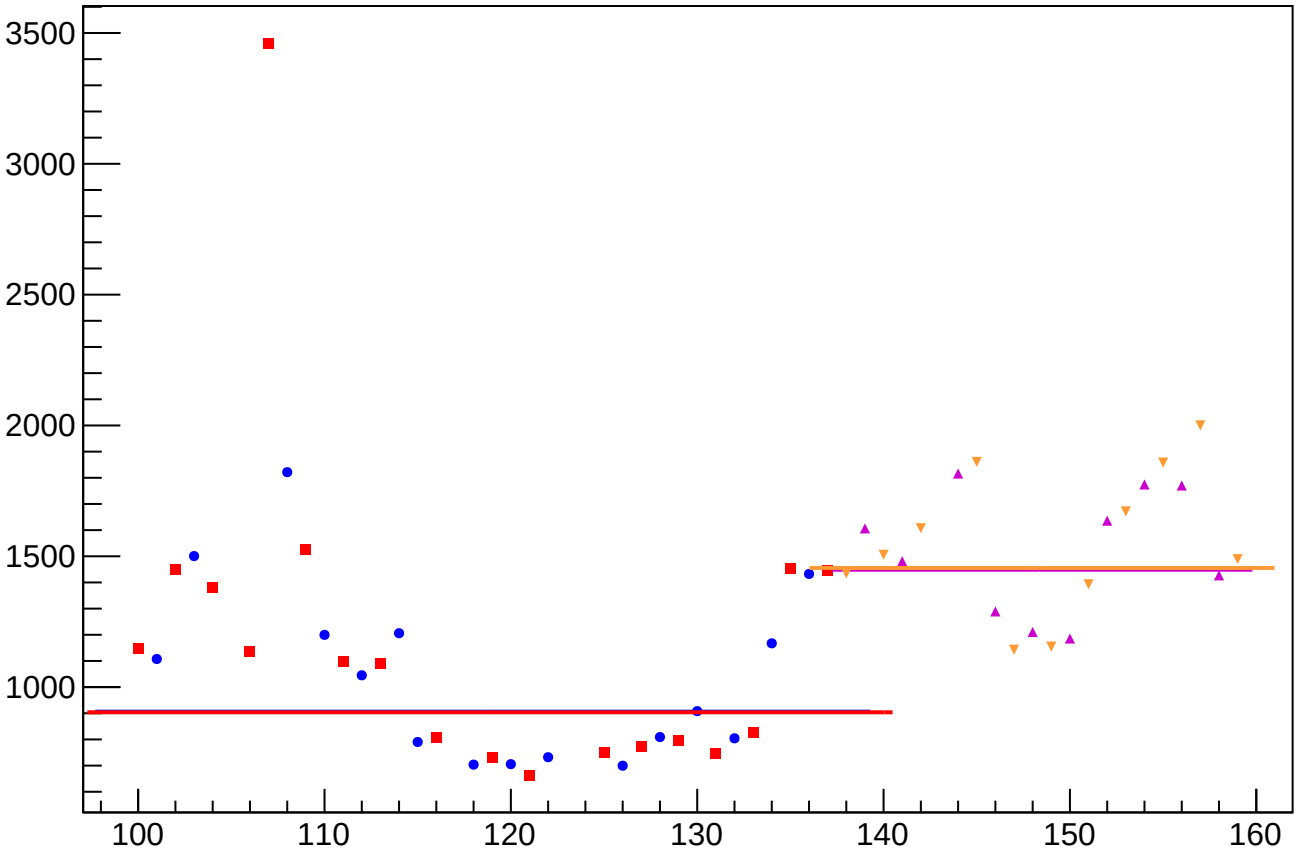
Left: -337.590+/-353.852 χ^2/NDF: 36.8/20

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 60.817+/-287.022 χ^2/NDF:25.6/25

Out: -28.779+/-287.546 χ^2/NDF:58.3/28

All: 16.101+/-203.140 χ^2/NDF: 83.9/54



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

Left Out: 1455.449+/-0.356 χ^2/NDF:552617.7/10

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

Left In: 1448.651+/-0.352 χ^2/NDF:406570.2/9

Left: 1452.013+/-0.250 χ^2/NDF: 959372.4/20

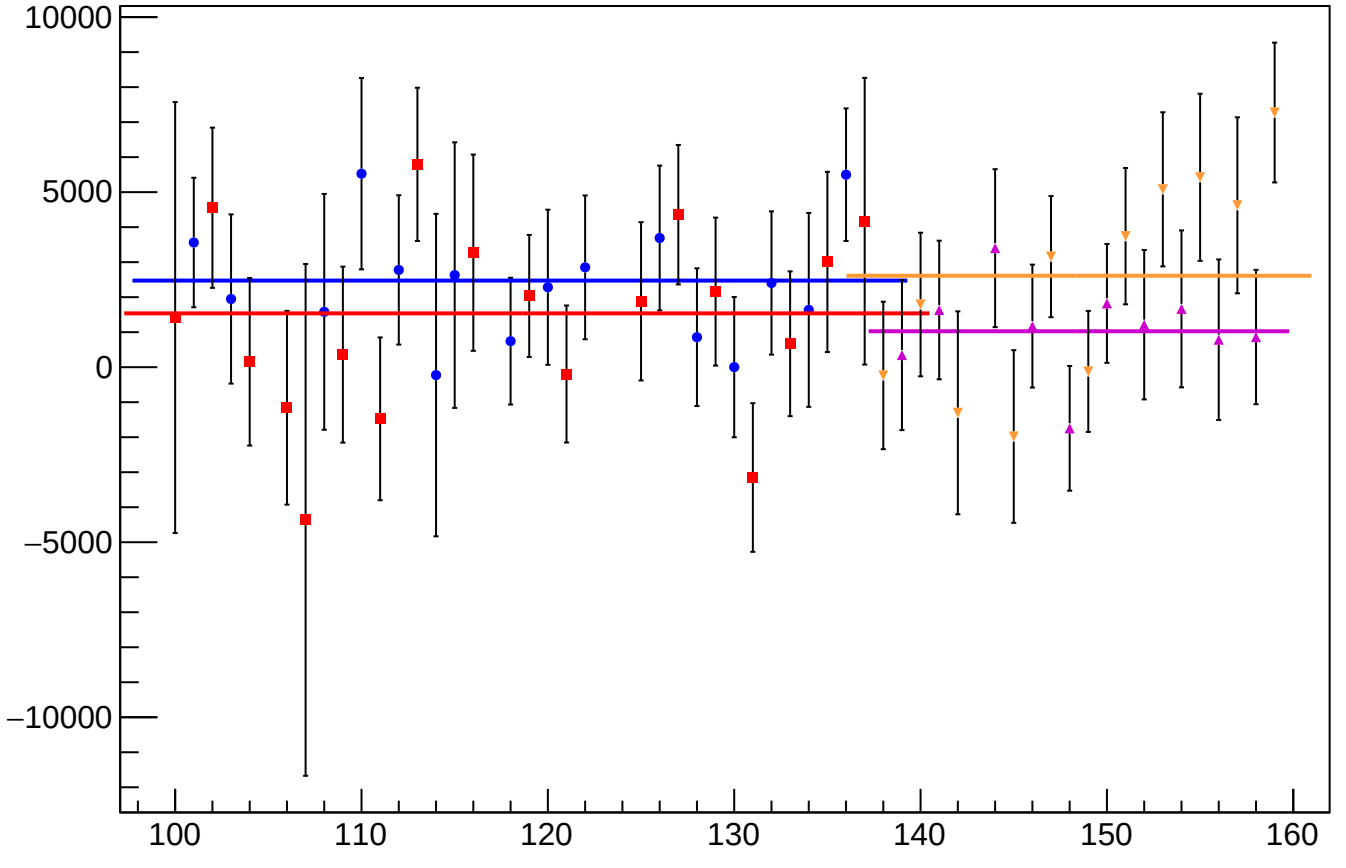
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1086.470+/-0.203 χ^2/NDF:3072537.5/25

Out: 1083.937+/-0.203 χ^2/NDF:3511834.6/28

All: 1085.206+/-0.144 χ^2/NDF: 6584449.8/54

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2612.158+/-636.307 χ^2/NDF:19.0/10

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

Left In: 1026.763+/-628.004 χ^2/NDF:4.1/9

Left: 1809.049+/-446.973 χ^2/NDF: 26.2/20

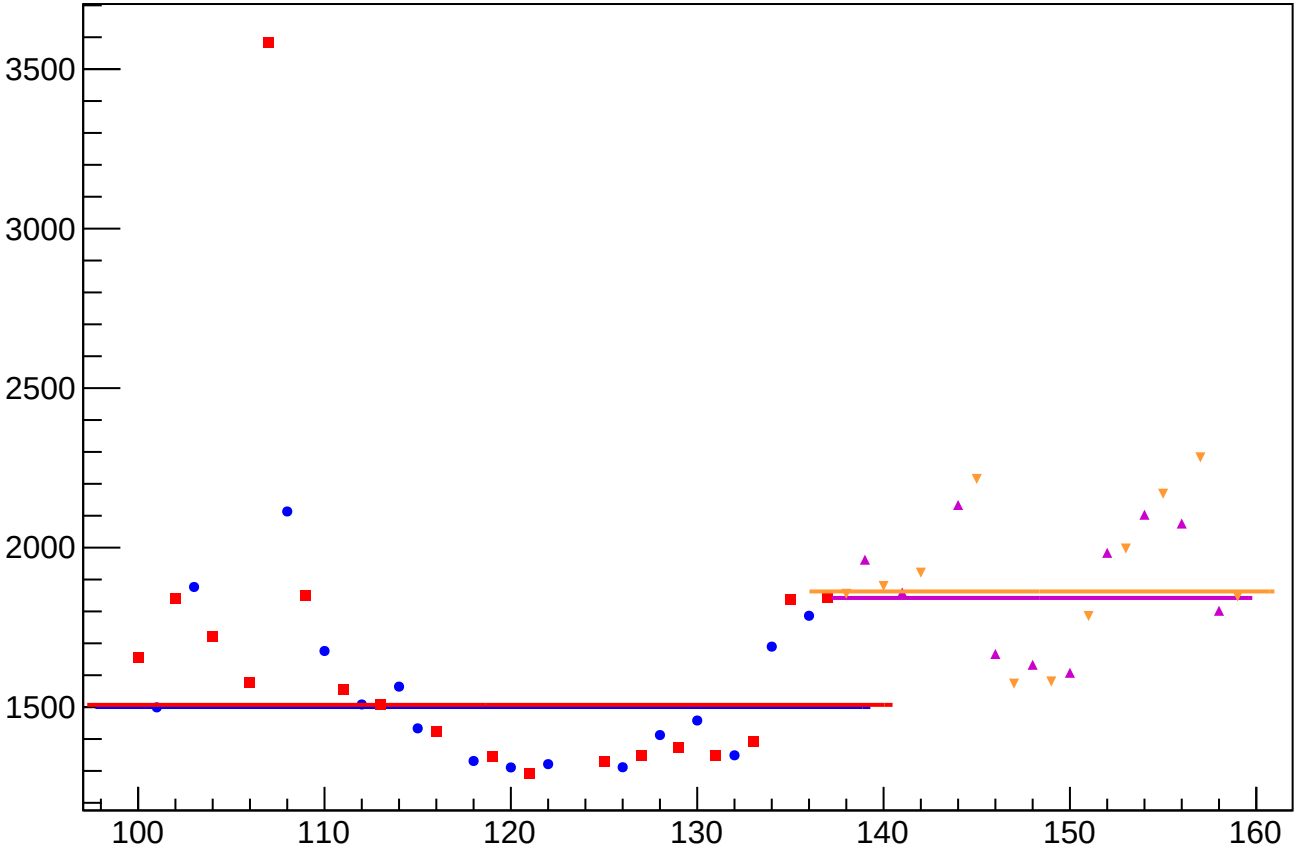
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1829.431+/-419.121 χ^2/NDF:15.2/25

Out: 2009.872+/-421.881 χ^2/NDF:39.1/28

All: 1919.059+/-297.334 χ^2/NDF: 54.4/54

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1862.641+/-0.450 χ^2/NDF:250520.6/10

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

Left In: 1842.226+/-0.444 χ^2/NDF:183069.5/9

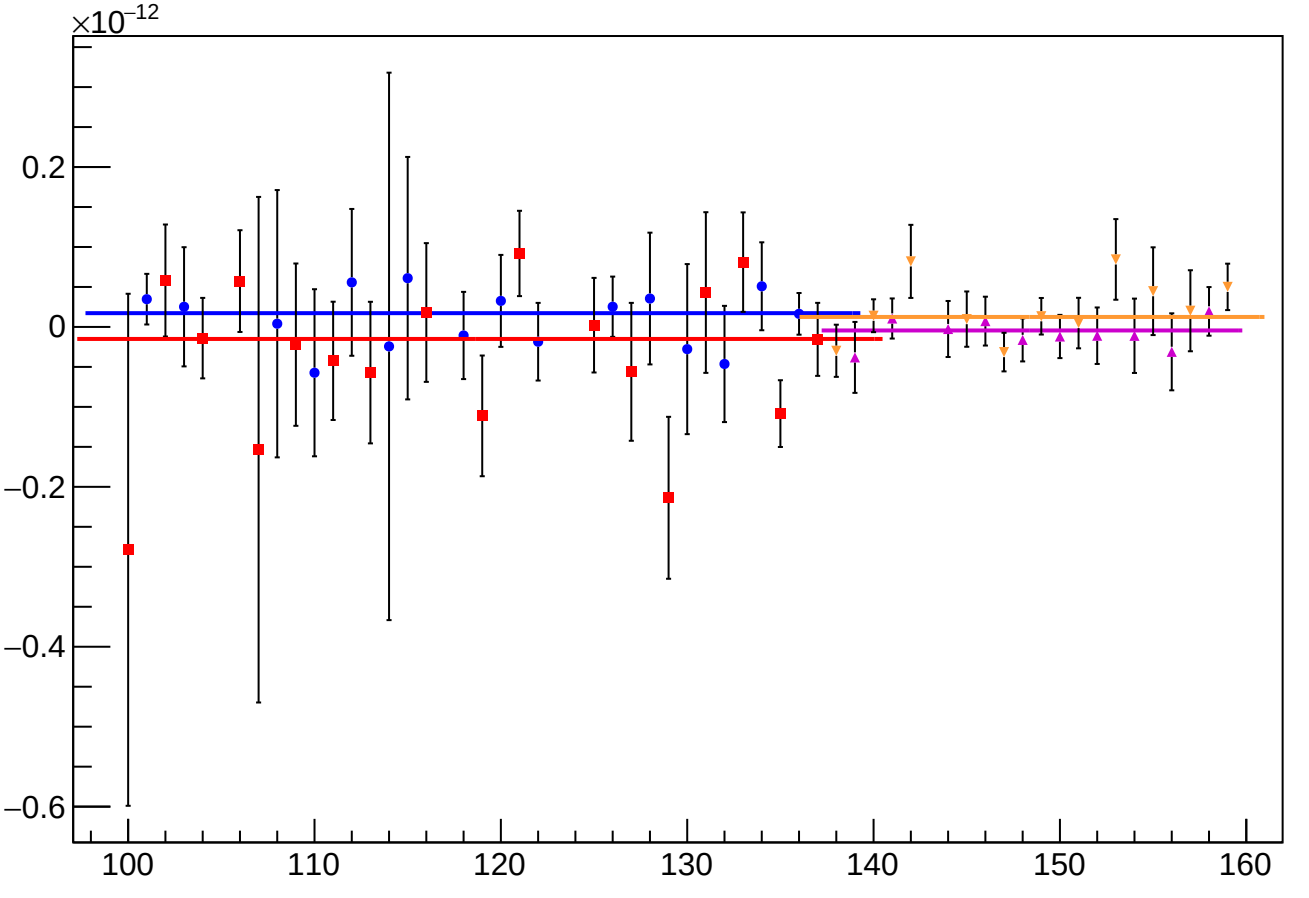
Left: 1852.300+/-0.316 χ^2/NDF: 434633.0/20

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1652.638+/-0.296 χ^2/NDF:770525.5/25

Out: 1663.391+/-0.298 χ^2/NDF:1001683.2/28

All: 1657.979+/-0.210 χ^2/NDF: 1772862.6/54



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/10

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

Left In: -0.000+/-0.000 χ^2/NDF:2.3/9

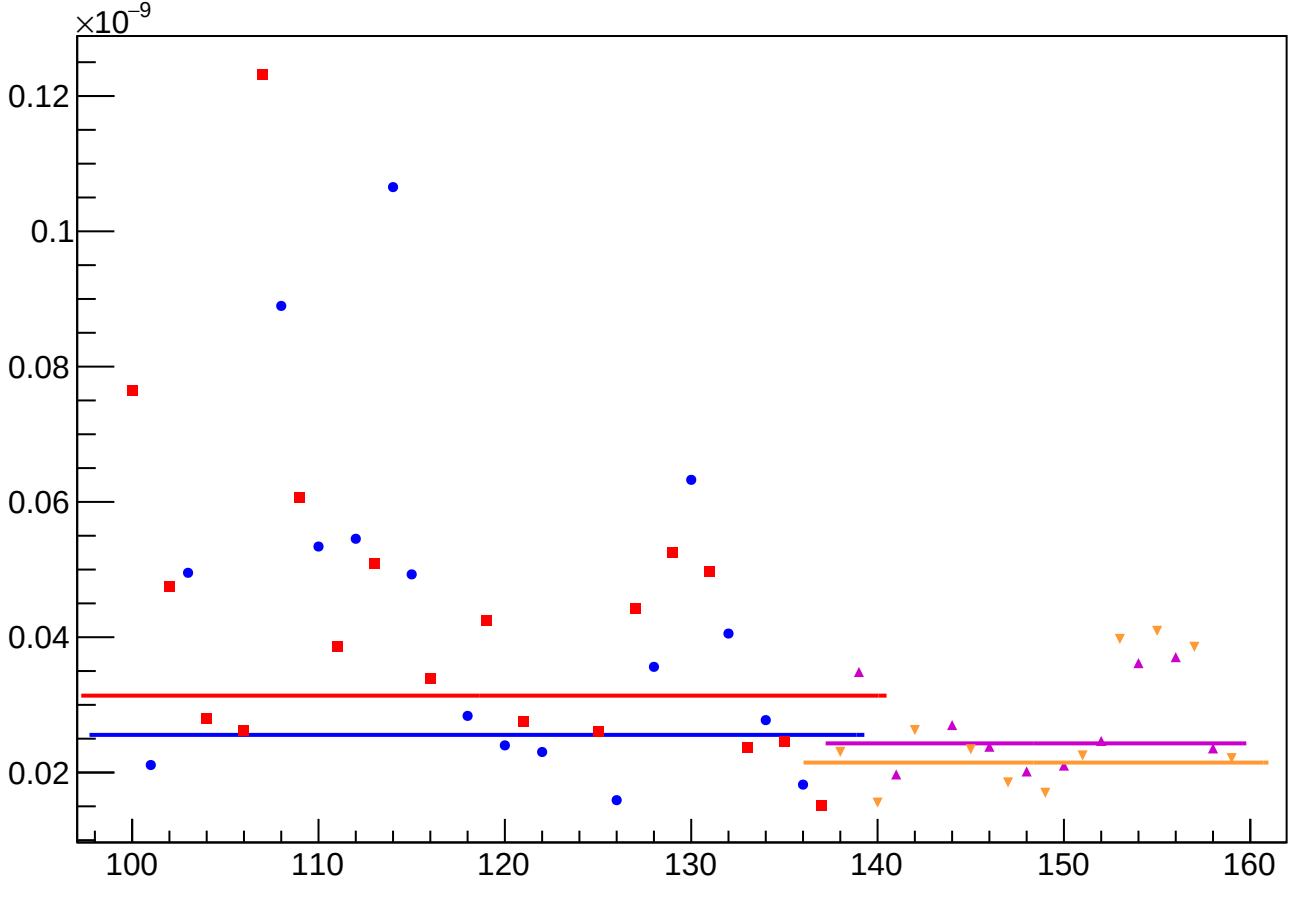
Left: 0.000+/-0.000 χ^2/NDF: 15.3/20

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:7.3/25

Out: 0.000+/-0.000 χ^2/NDF:35.0/28

All: 0.000+/-0.000 χ^2/NDF: 42.3/54



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

Left Out: 0.000+/-0.000 χ^2/NDF:1050795.6/10

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

Left In: 0.000+/-0.000 χ^2/NDF:541516.8/9

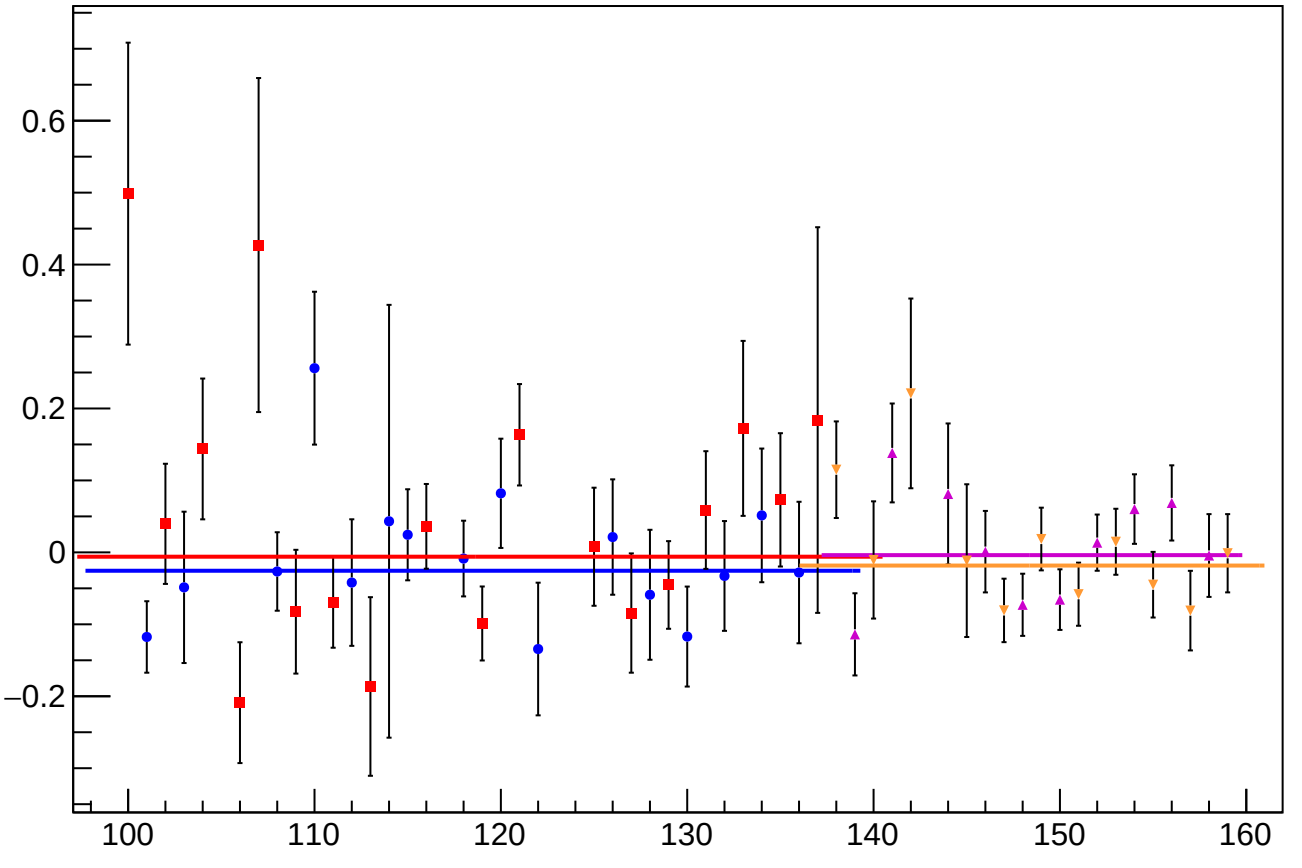
Left: 0.000+/-0.000 χ^2/NDF: 1676424.9/20

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:2260271.7/25

Out: 0.000+/-0.000 χ^2/NDF:2845644.5/28

All: 0.000+/-0.000 χ^2/NDF: 5116135.8/54



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

Left Out: -0.018+/-0.016 χ^2/NDF:13.0/10

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

Left: -0.011+/-0.012 χ^2/NDF: 30.8/20

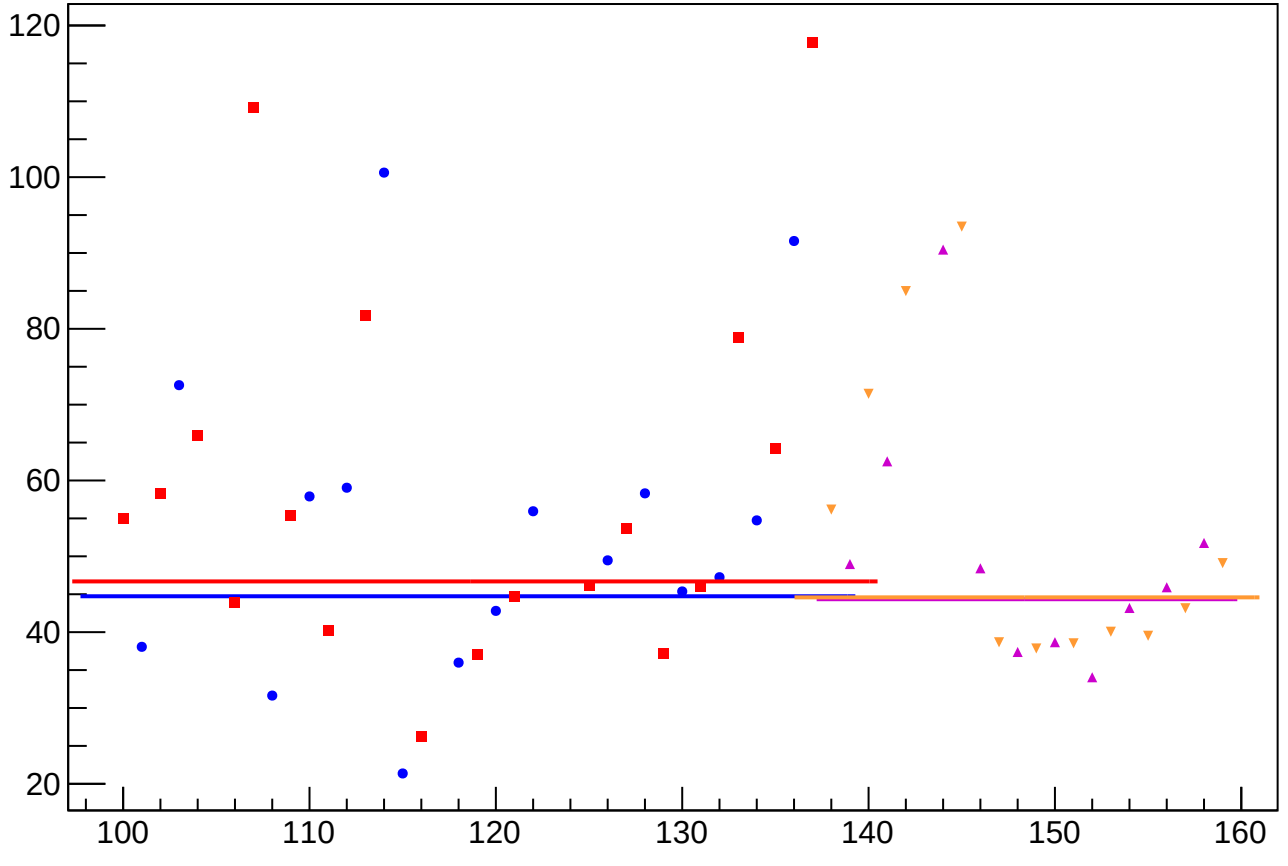
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/54

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: 44.588+/-0.012 χ^2/NDF:1069767.9/10

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

Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

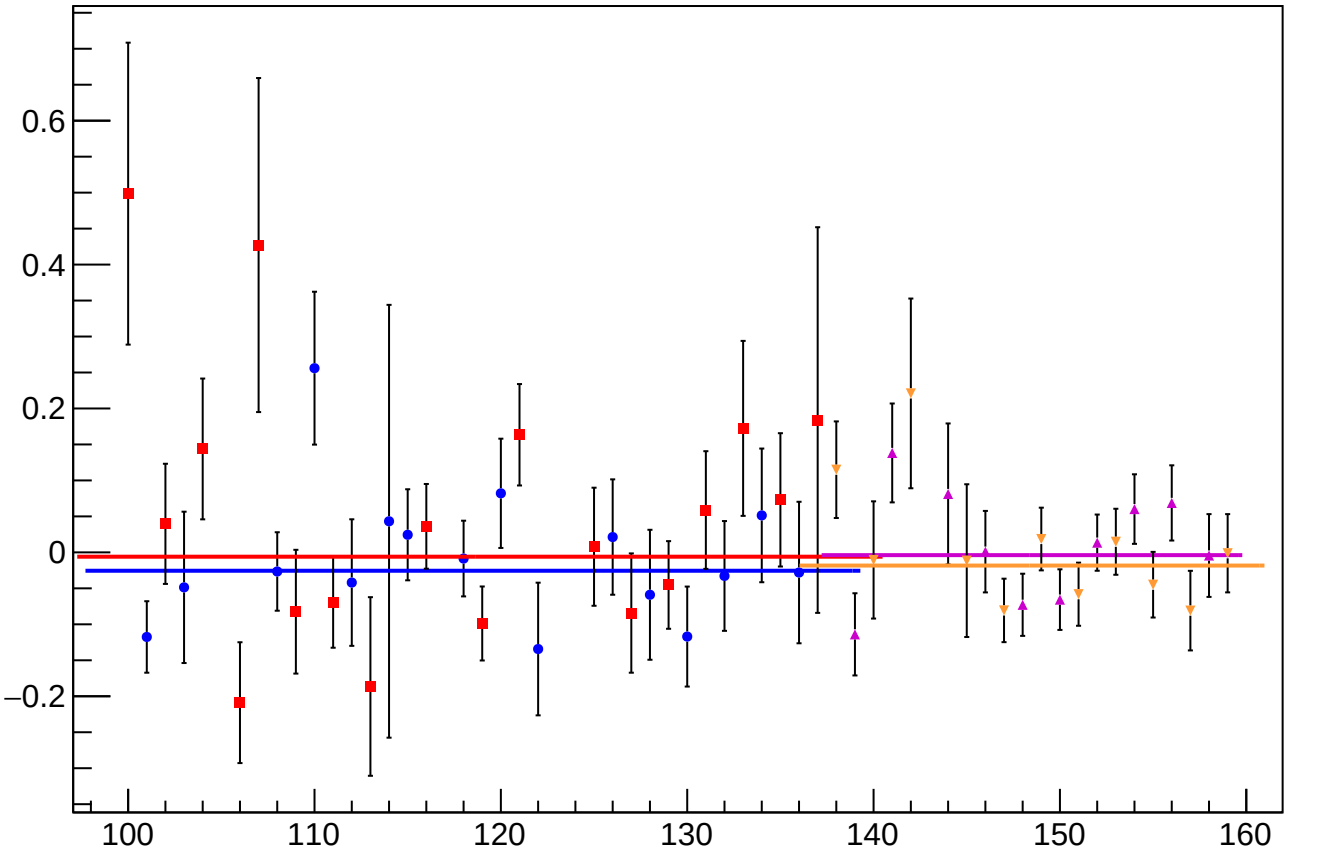
Left: 44.465+/-0.008 χ^2/NDF: 1939419.6/20

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.511+/-0.009 χ^2/NDF:2204461.7/25

Out: 45.467+/-0.009 χ^2/NDF:2278909.7/28

All: 44.979+/-0.006 χ^2/NDF: 4489308.3/54



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

Left Out: -0.018+/-0.016 χ^2/NDF:13.0/10

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

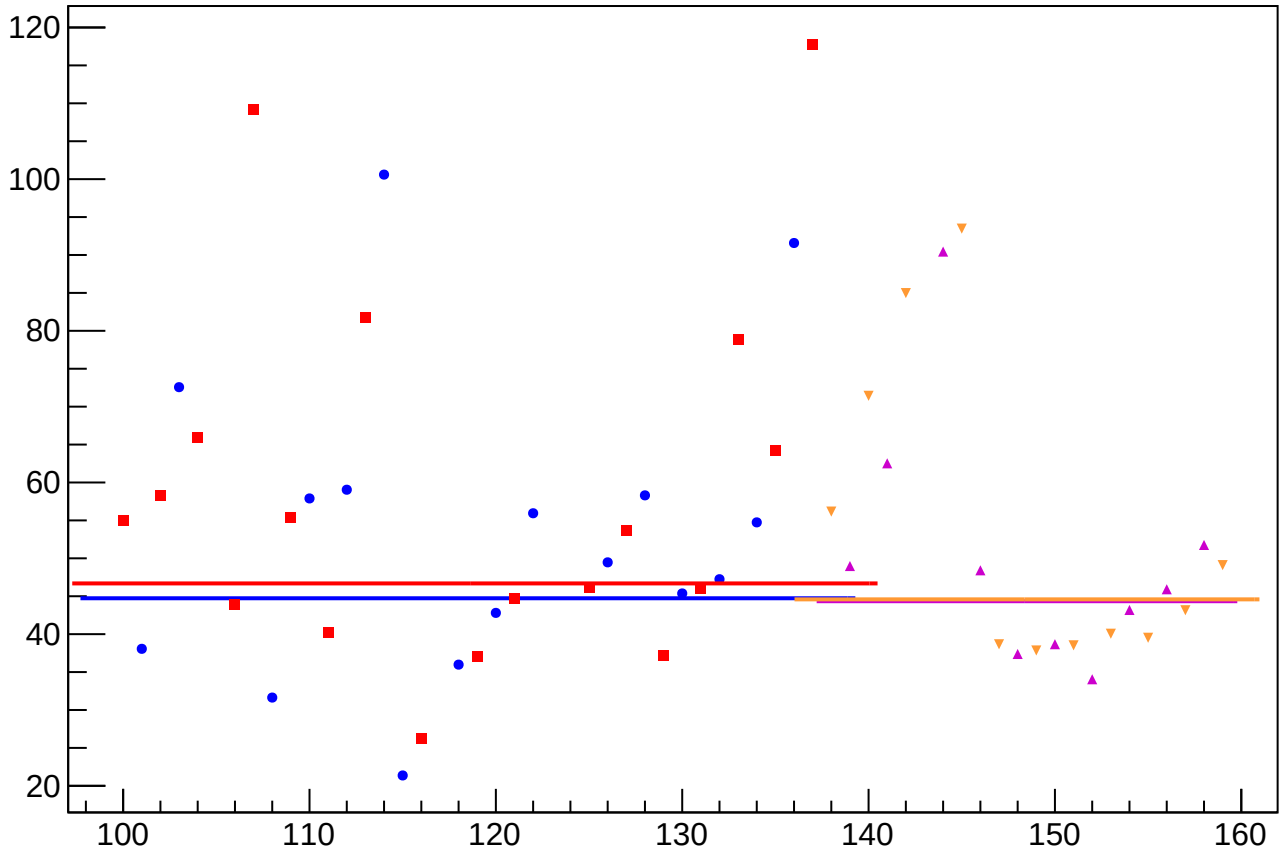
Left: -0.011+/-0.012 χ^2/NDF: 30.8/20

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/54



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

Left Out: 44.588+/-0.012 χ^2/NDF:1069767.9/10

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

Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

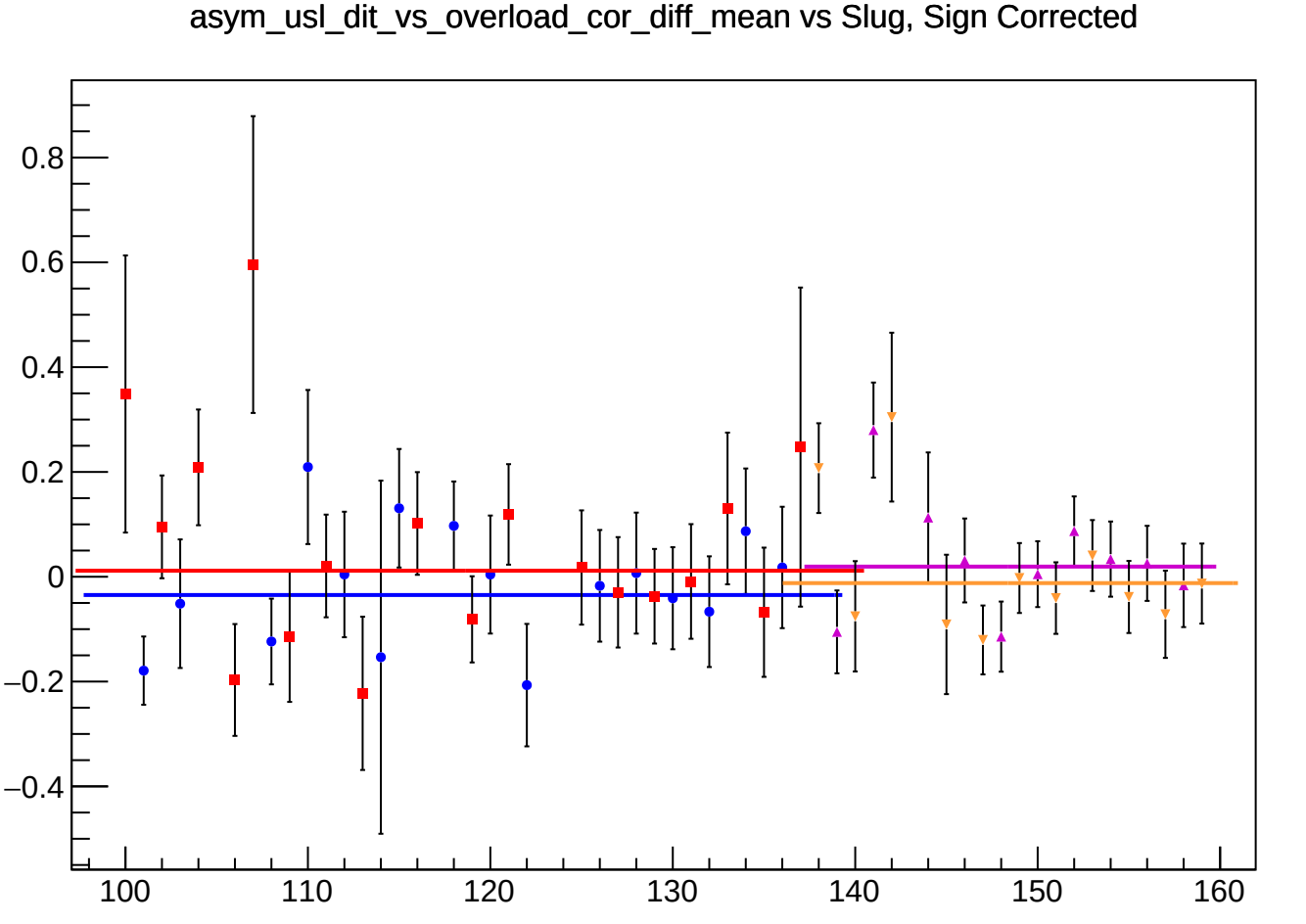
Left: 44.465+/-0.008 χ^2/NDF: 1939419.6/20

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.511+/-0.009 χ^2/NDF:2204461.7/25

Out: 45.467+/-0.009 χ^2/NDF:2278909.7/28

All: 44.979+/-0.006 χ^2/NDF: 4489308.3/54



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

Left Out: -0.012+/-0.024 χ^2/NDF:15.3/10

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

Left In: 0.019+/-0.024 χ^2/NDF:16.7/9

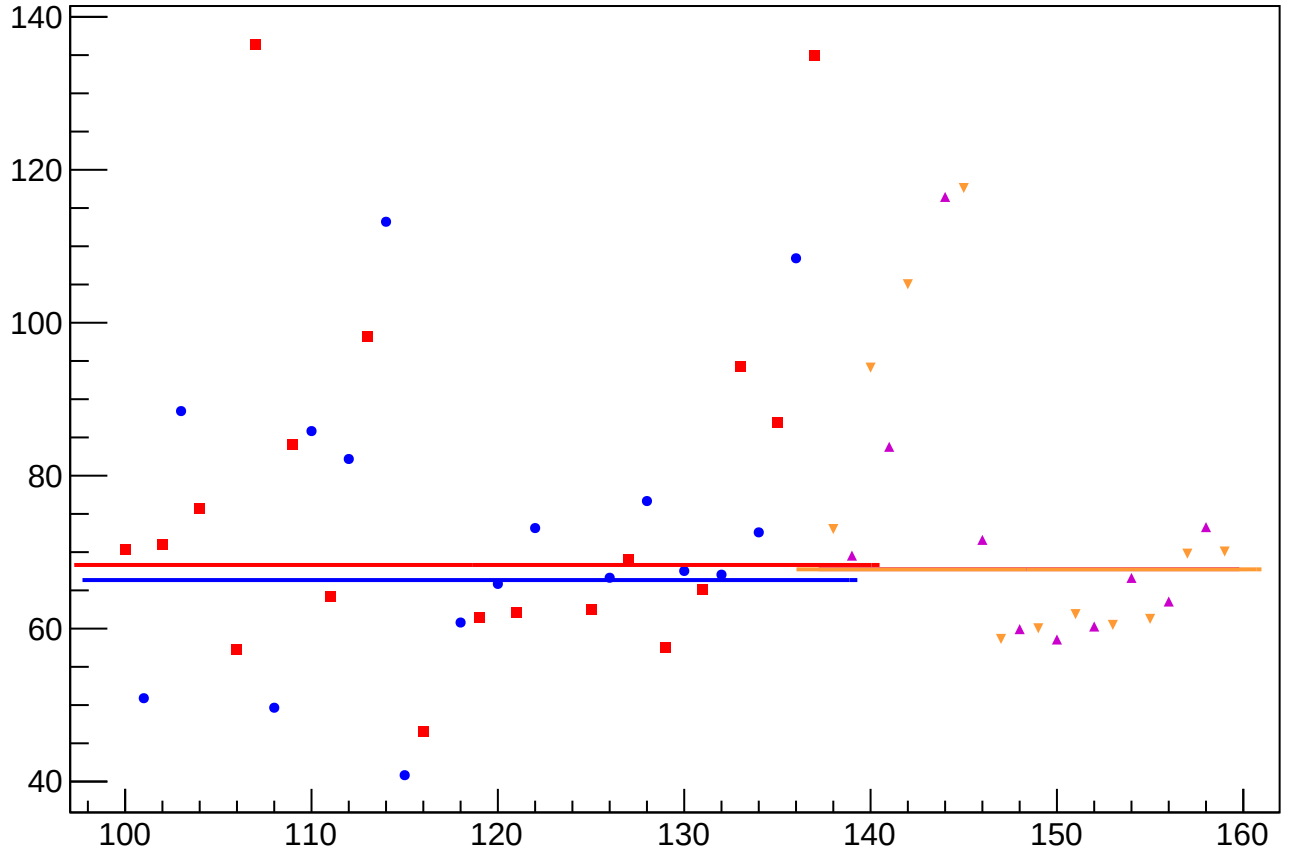
Left: 0.004+/-0.017 χ^2/NDF: 32.9/20

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.005+/-0.018 χ^2/NDF:36.4/25

Out: -0.002+/-0.018 χ^2/NDF:38.5/28

All: -0.003+/-0.013 χ^2/NDF: 75.0/54



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

Left Out: 67.750+/-0.017 χ^2/NDF:644896.4/10

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

Left In: 67.777+/-0.017 χ^2/NDF:487733.1/9

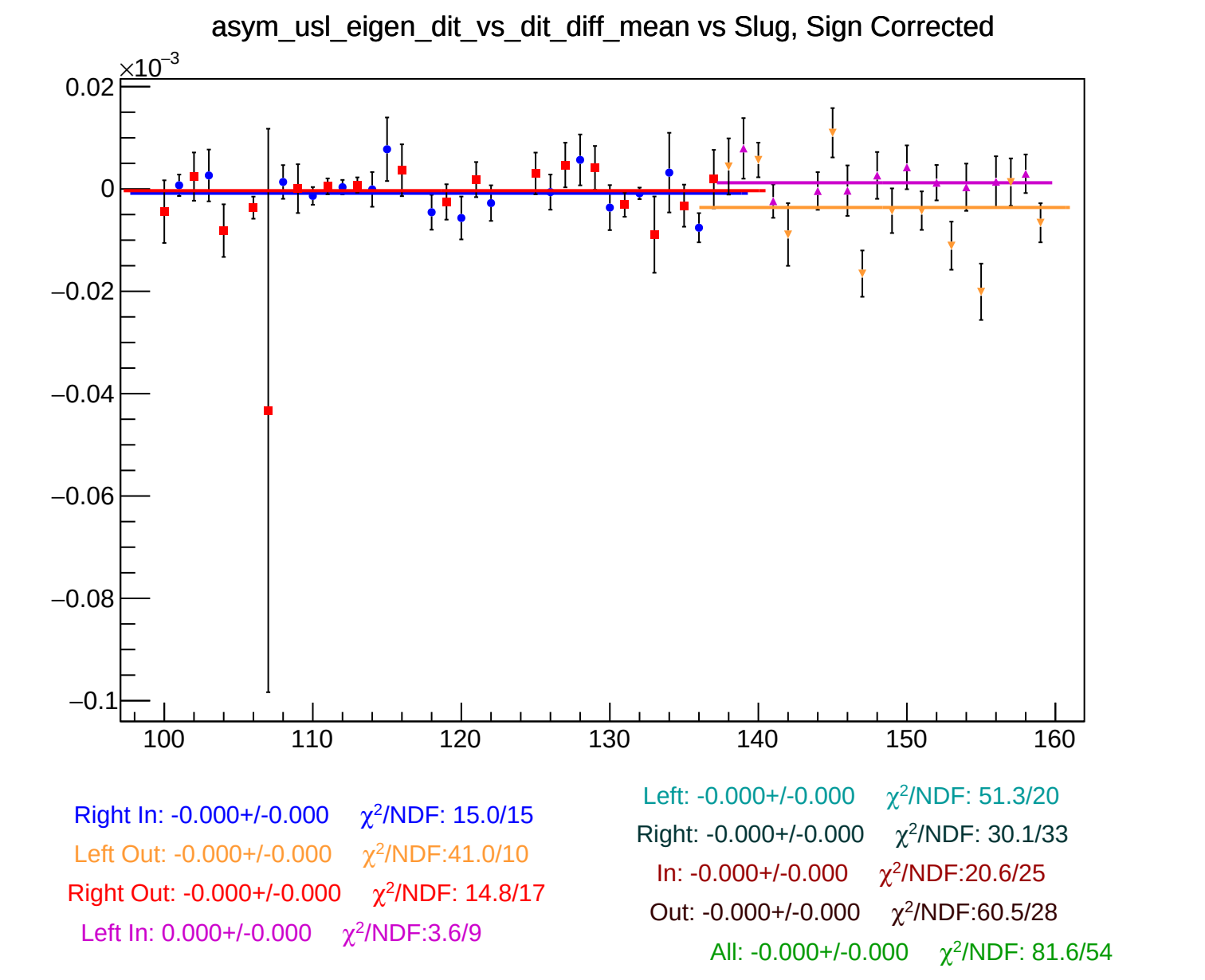
Left: 67.763+/-0.012 χ^2/NDF: 1132630.8/20

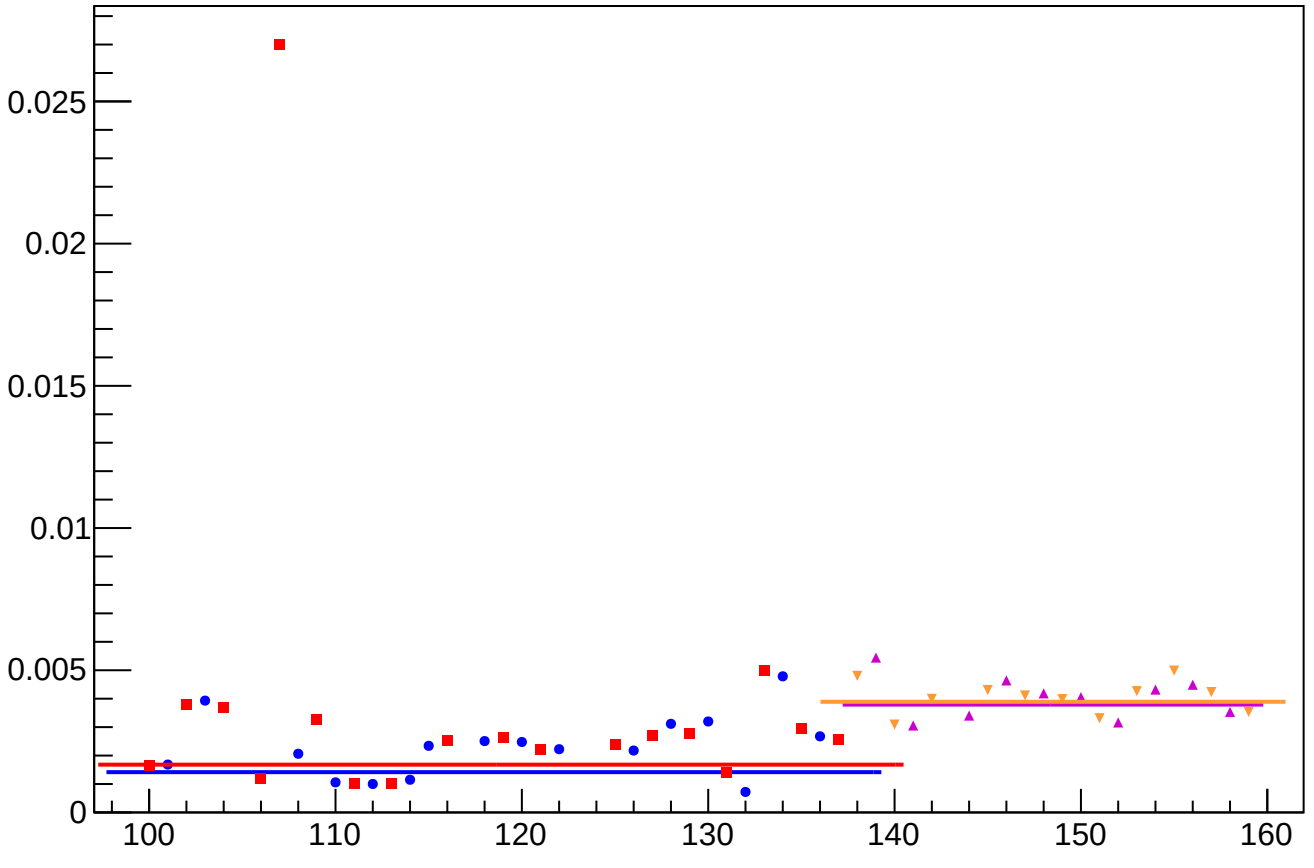
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.131+/-0.012 χ^2/NDF:1263623.6/25

Out: 68.003+/-0.013 χ^2/NDF:1275070.4/28

All: 67.561+/-0.009 χ^2/NDF: 2541100.9/54


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:41.0/10
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:3.6/9
Left: -0.000+/-0.000 χ²/NDF: 51.3/20
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:20.6/25
Out: -0.000+/-0.000 χ²/NDF:60.5/28
All: -0.000+/-0.000 χ²/NDF: 81.6/54



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

Left Out: 0.004+/-0.000 χ^2/NDF:355941.3/10

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

Left In: 0.004+/-0.000 χ^2/NDF:501917.0/9

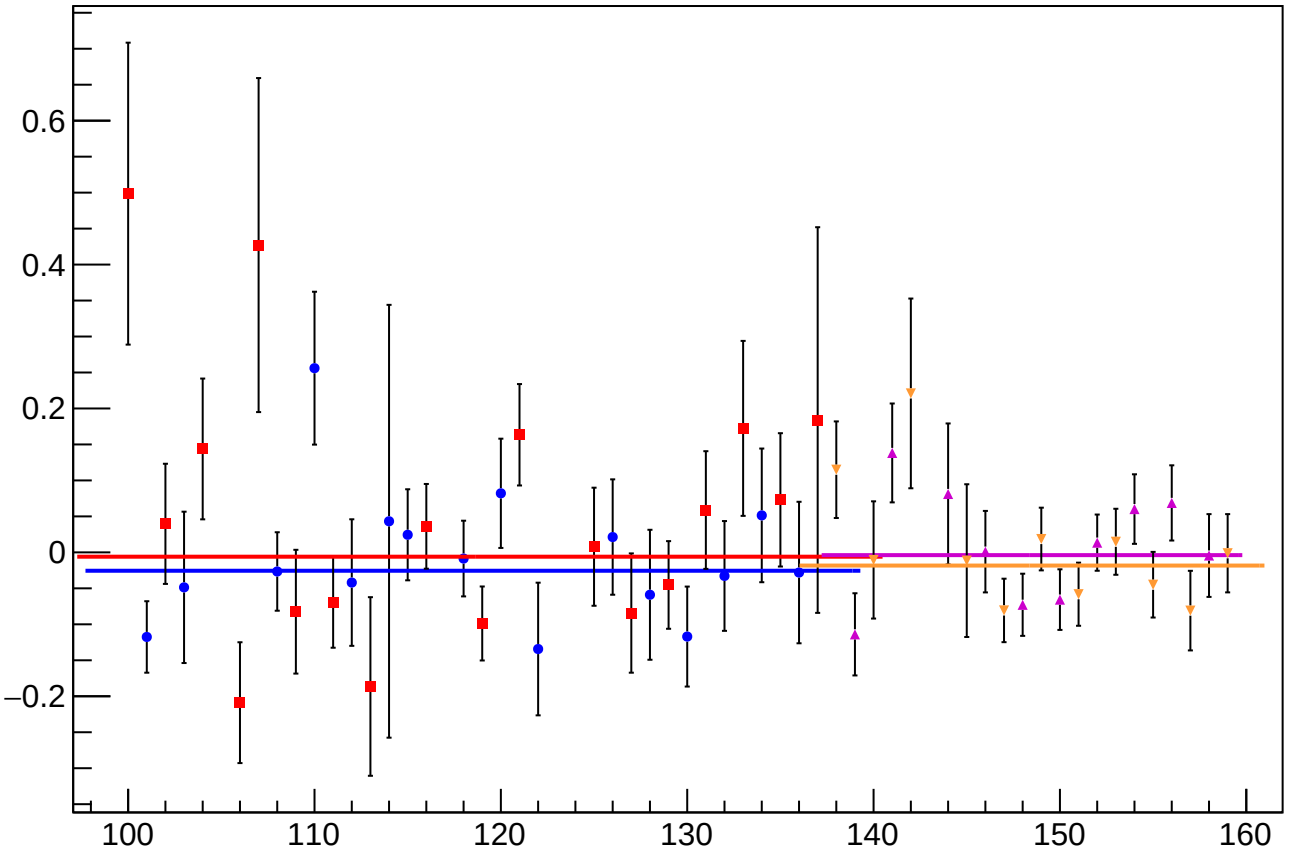
Left: 0.004+/-0.000 χ^2/NDF: 863473.9/20

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:9420557.0/25

Out: 0.002+/-0.000 χ^2/NDF:7988058.0/28

All: 0.002+/-0.000 χ^2/NDF: 17719522.4/54



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

Left Out: -0.018+/-0.016 χ^2/NDF:13.0/10

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

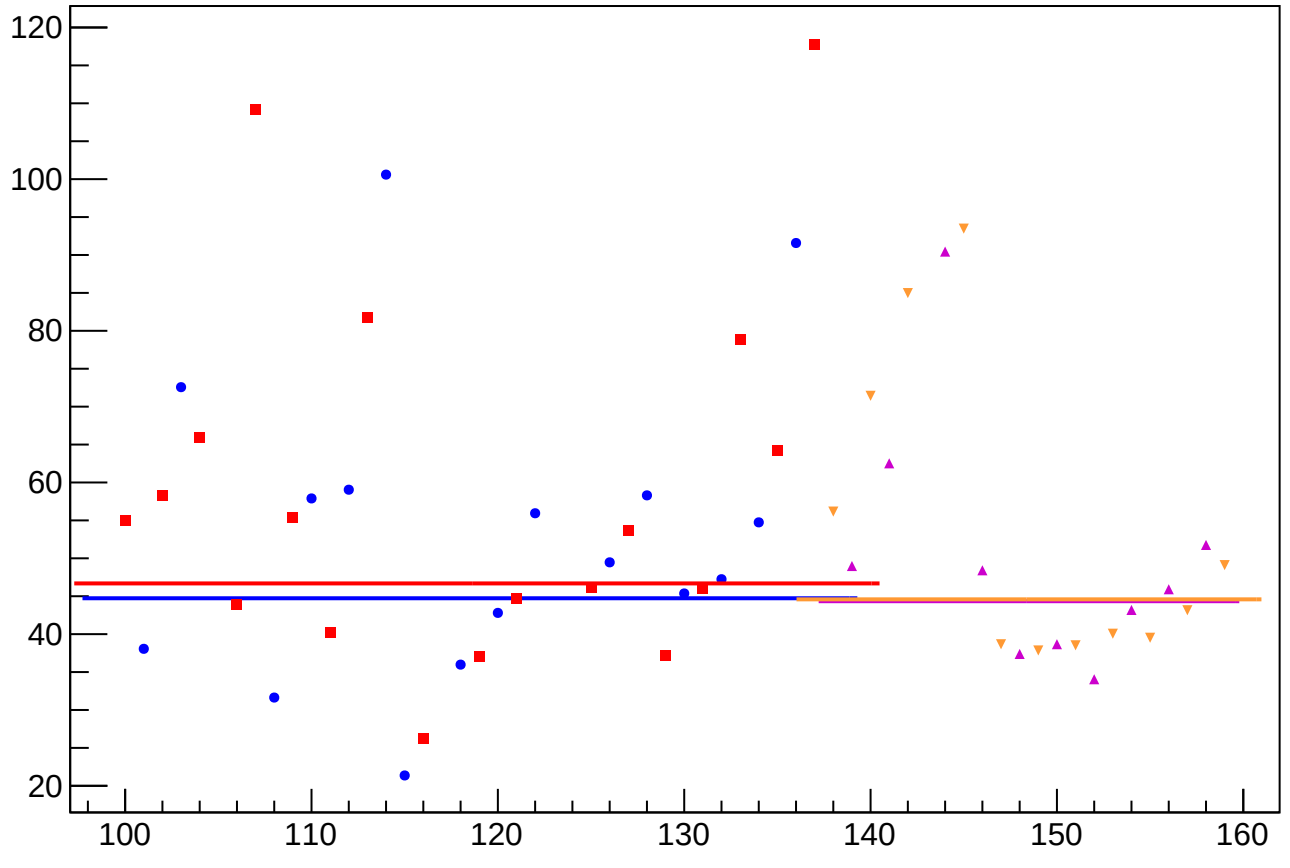
Left: -0.011+/-0.012 χ^2/NDF: 30.8/20

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/54



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.589+/-0.012 χ^2/NDF:1069728.1/10

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

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

Left: 44.465+/-0.008 χ^2/NDF: 1939358.5/20

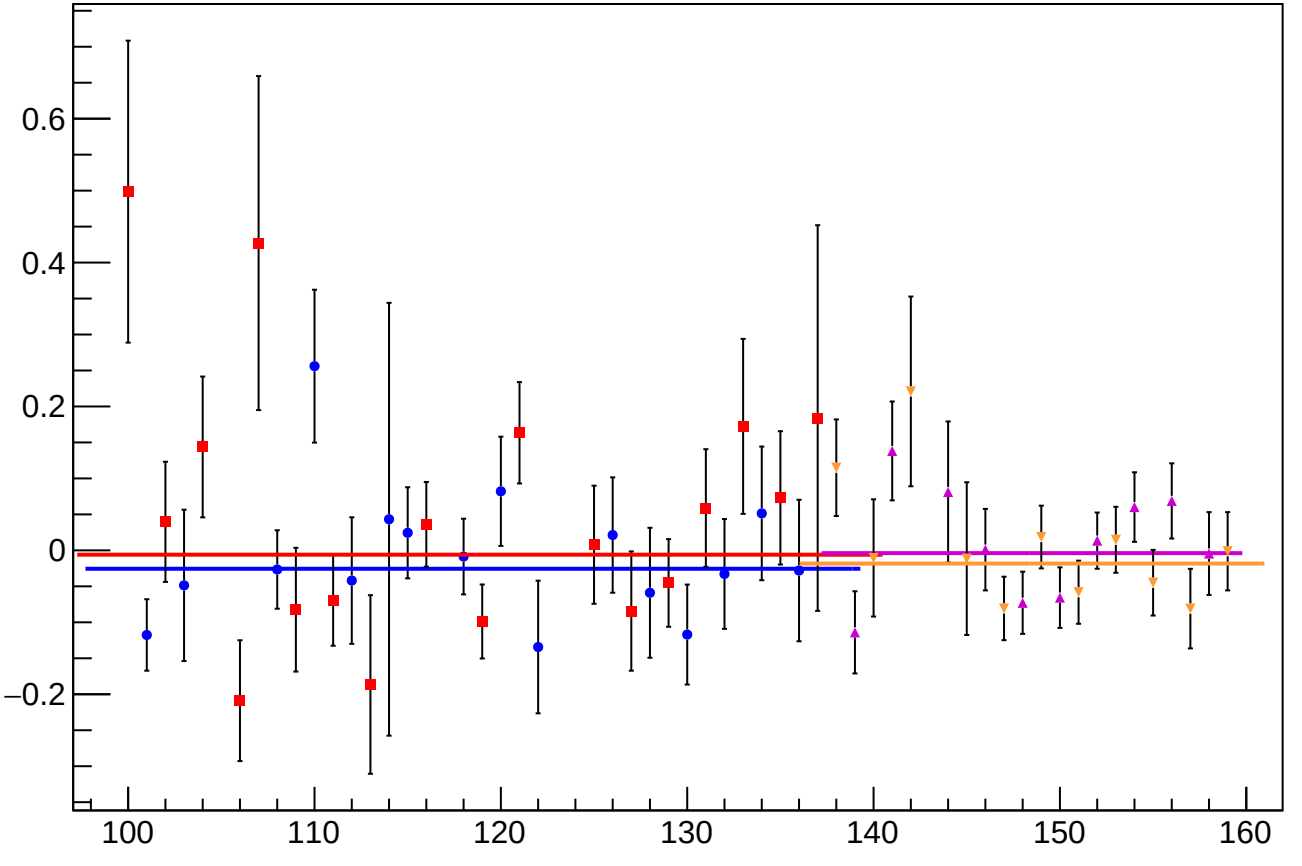
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.511+/-0.009 χ^2/NDF:2204499.2/25

Out: 45.467+/-0.009 χ^2/NDF:2278892.9/28

All: 44.979+/-0.006 χ^2/NDF: 4489329.3/54

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: -0.018+/-0.016 χ^2/NDF:13.0/10

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

Left: -0.011+/-0.012 χ^2/NDF: 30.8/20

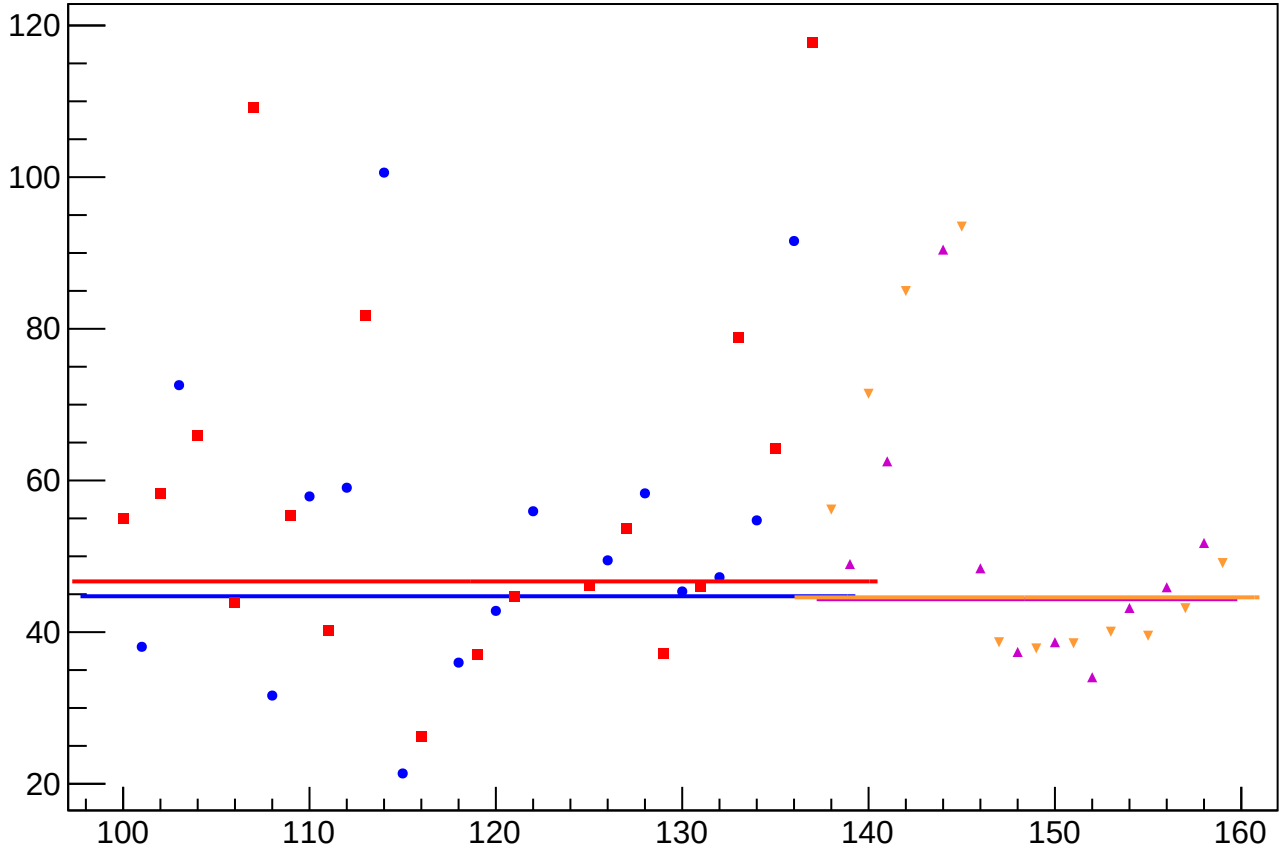
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/54

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: 44.589+/-0.012 χ^2/NDF:1069728.1/10

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

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

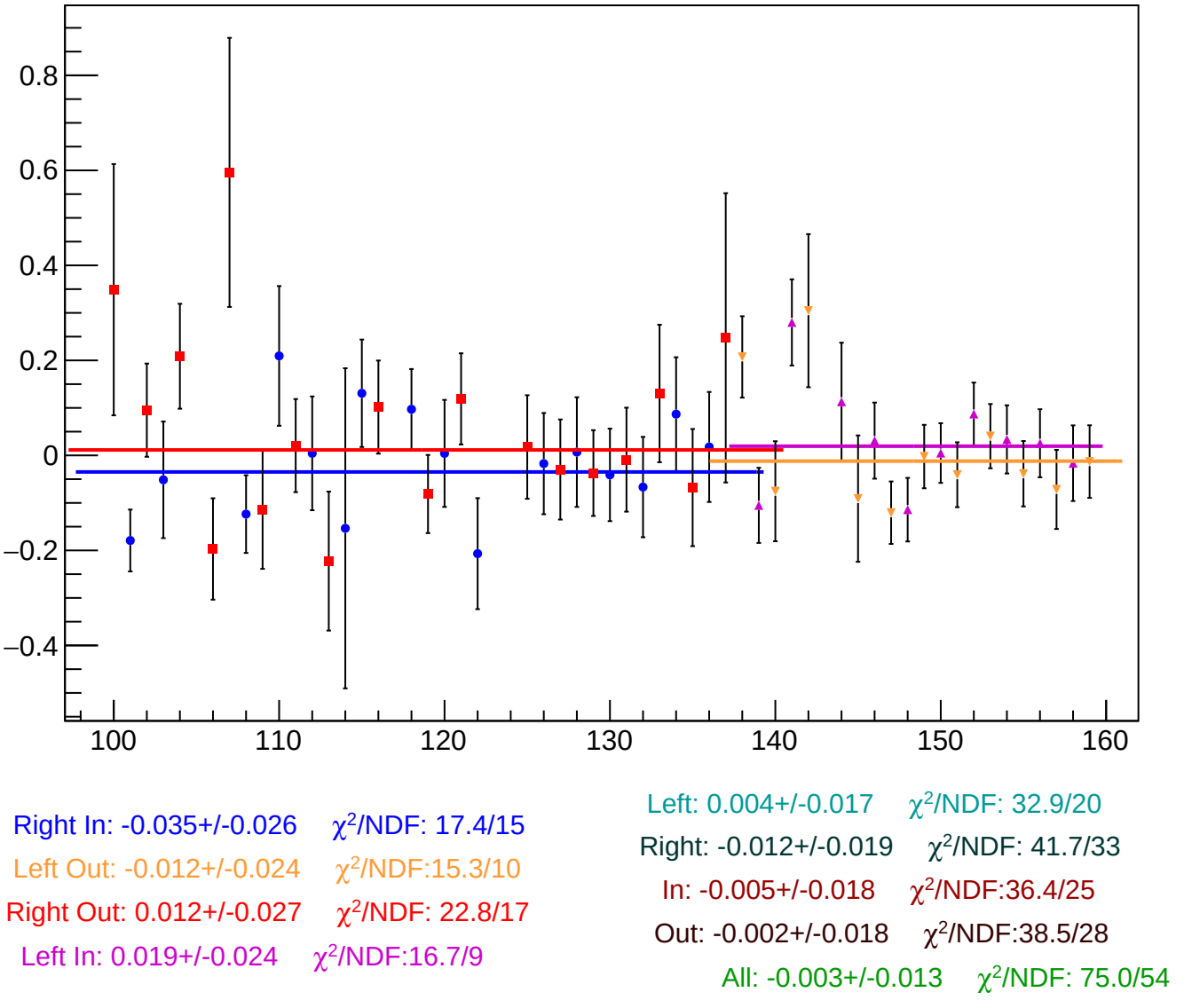
Left: 44.465+/-0.008 χ^2/NDF: 1939358.5/20

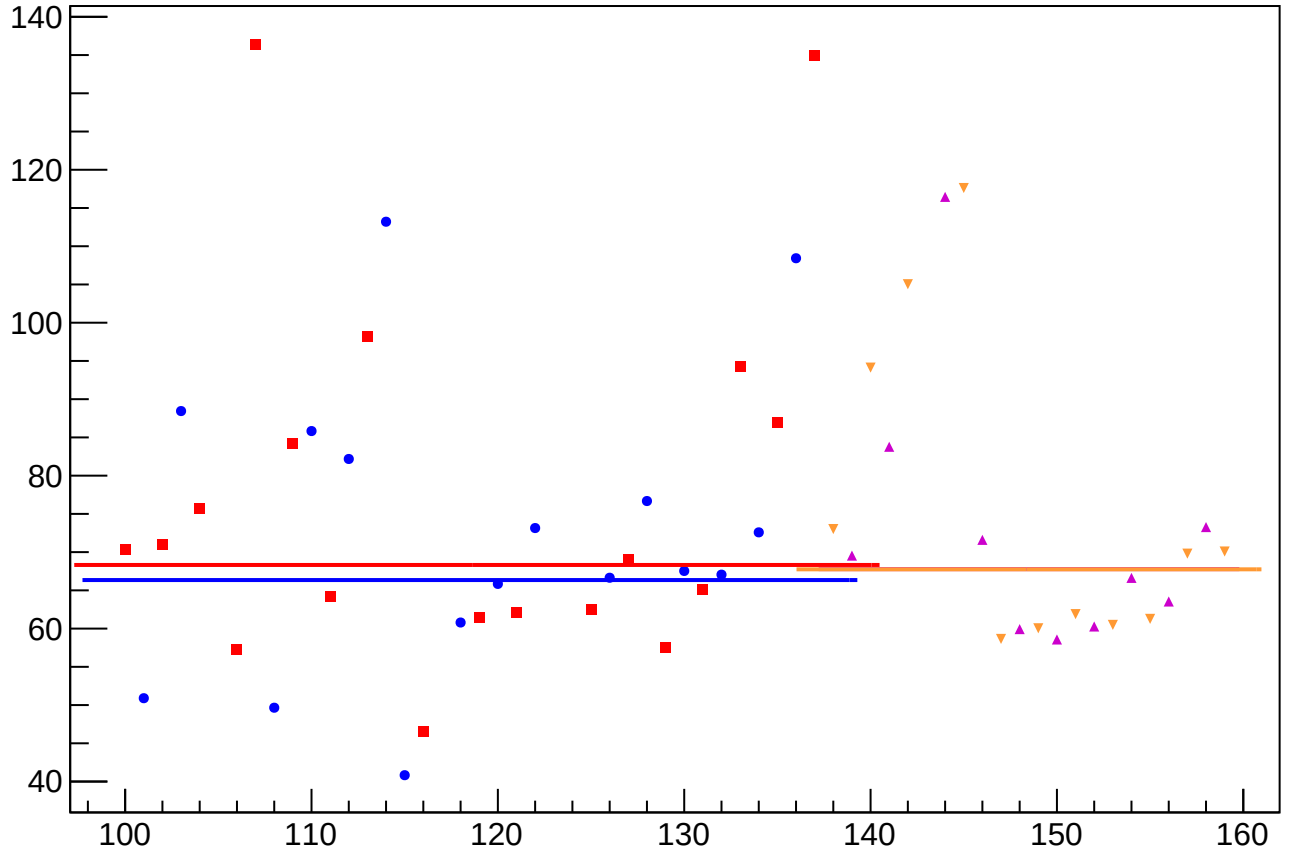
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.511+/-0.009 χ^2/NDF:2204499.2/25

Out: 45.467+/-0.009 χ^2/NDF:2278892.9/28

All: 44.979+/-0.006 χ^2/NDF: 4489329.3/54


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.012+/-0.024 χ²/NDF:15.3/10
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.019+/-0.024 χ²/NDF:16.7/9
Left: 0.004+/-0.017 χ²/NDF: 32.9/20
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.005+/-0.018 χ²/NDF:36.4/25
Out: -0.002+/-0.018 χ²/NDF:38.5/28
All: -0.003+/-0.013 χ²/NDF: 75.0/54



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

Left Out: 67.750+/-0.017 χ^2/NDF:644881.9/10

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

Left In: 67.777+/-0.017 χ^2/NDF:487724.5/9

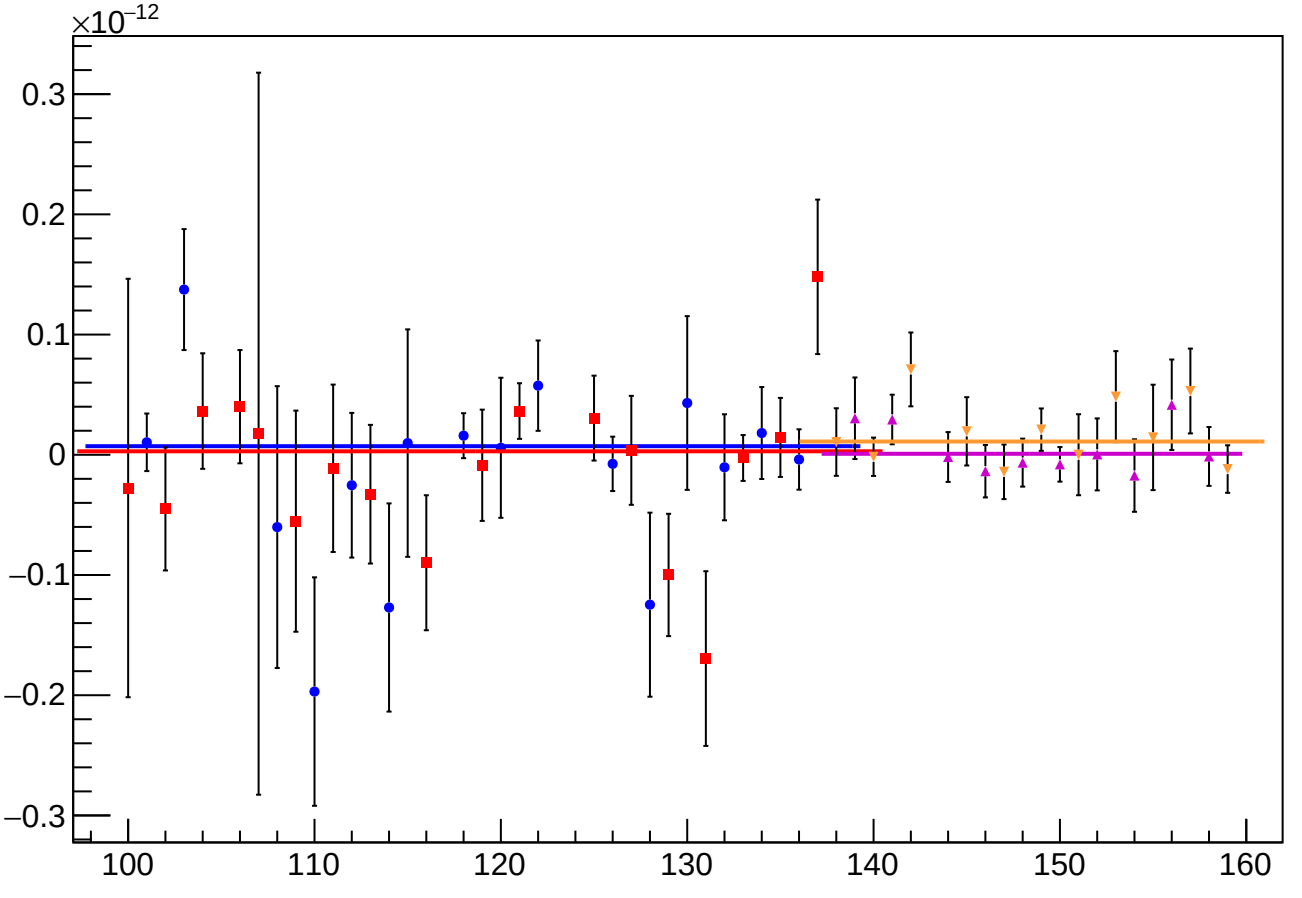
Left: 67.763+/-0.012 χ^2/NDF: 1132607.7/20

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.131+/-0.012 χ^2/NDF:1263625.5/25

Out: 68.003+/-0.013 χ^2/NDF:1275050.1/28

All: 67.561+/-0.009 χ^2/NDF: 2541081.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

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

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

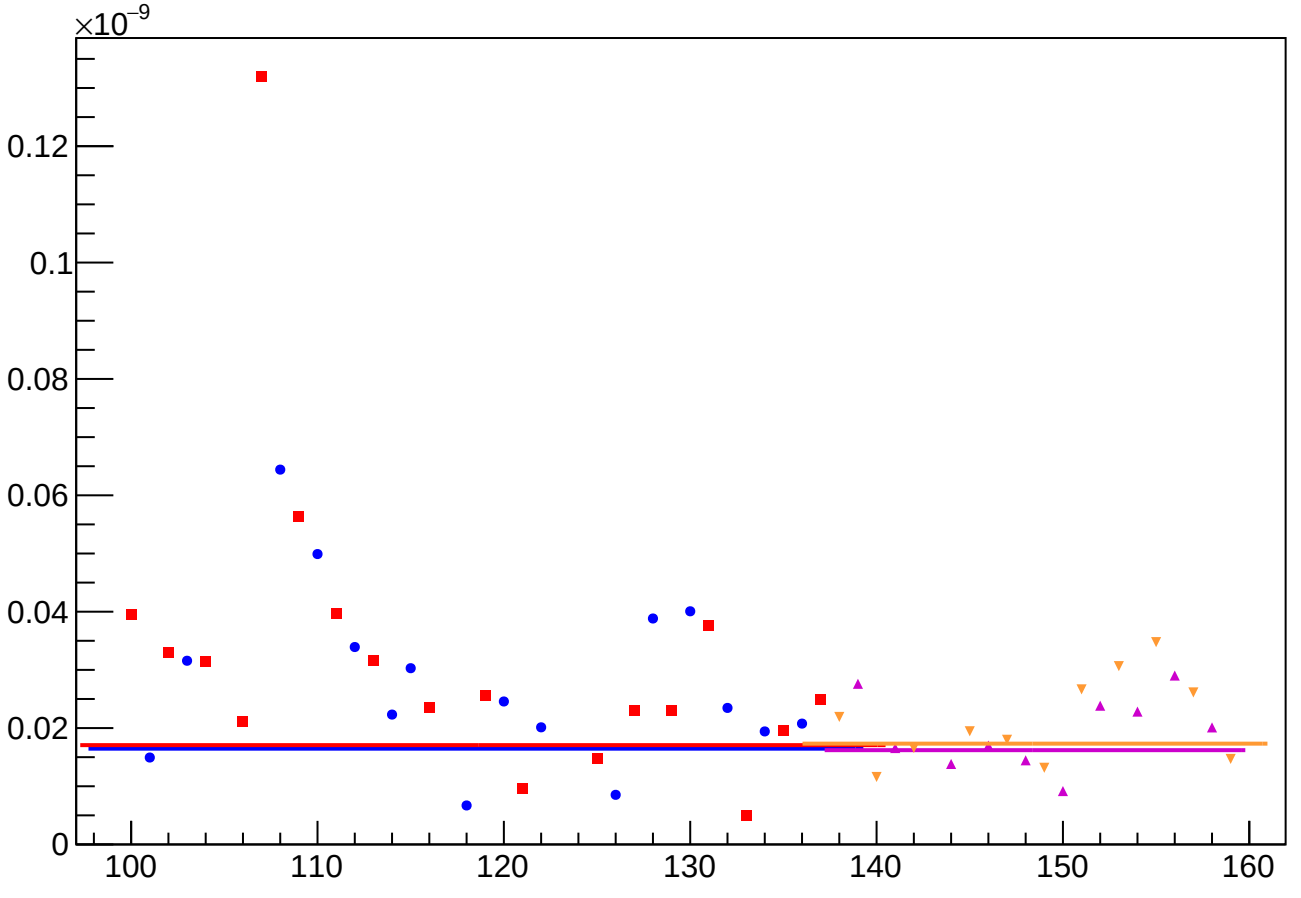
Left: 0.000+/-0.000 χ^2/NDF: 16.1/20

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:25.9/25

Out: 0.000+/-0.000 χ^2/NDF:33.7/28

All: 0.000+/-0.000 χ^2/NDF: 60.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1313487.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1258433.6/9

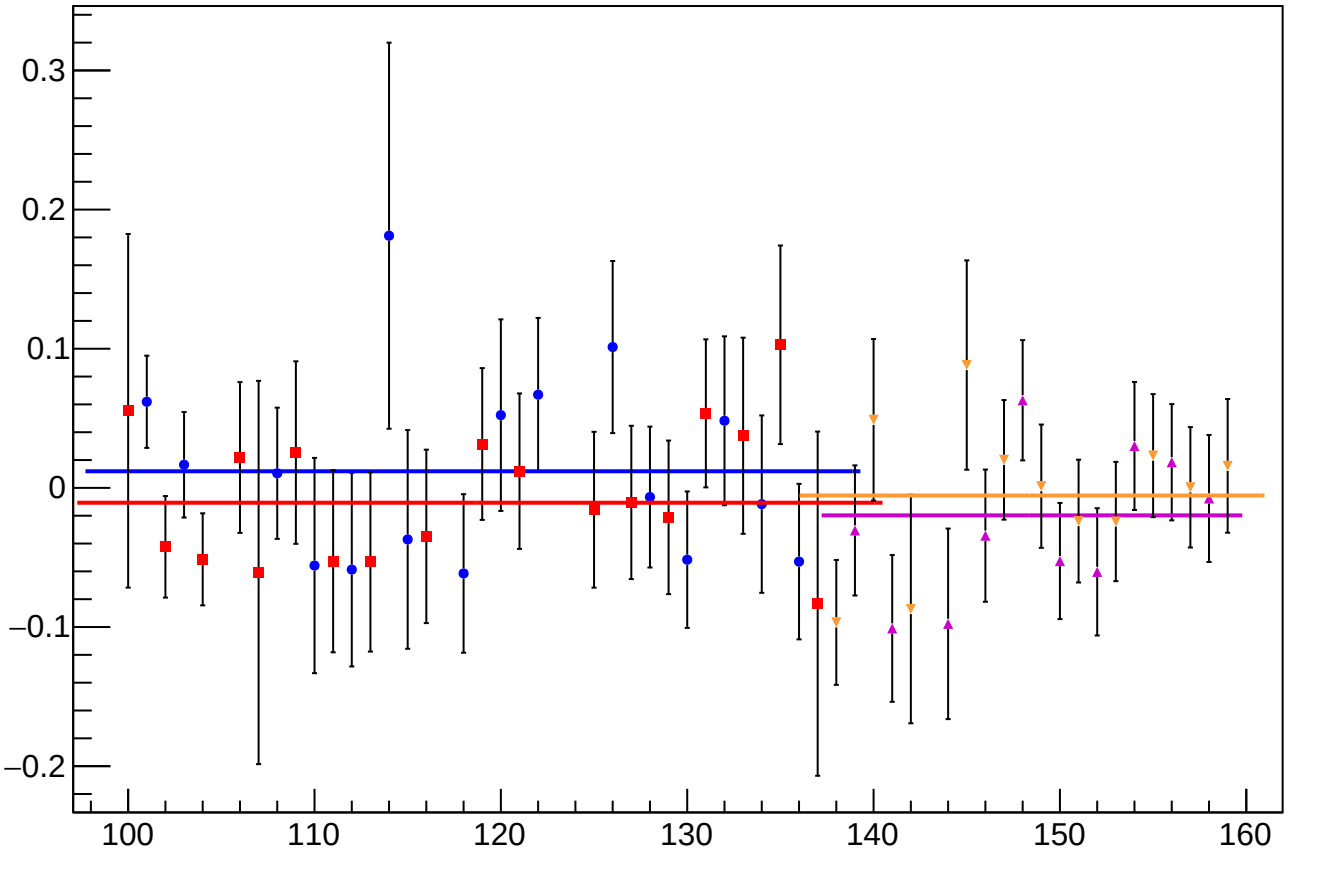
Left: 0.000+/-0.000 χ^2/NDF: 2595561.7/20

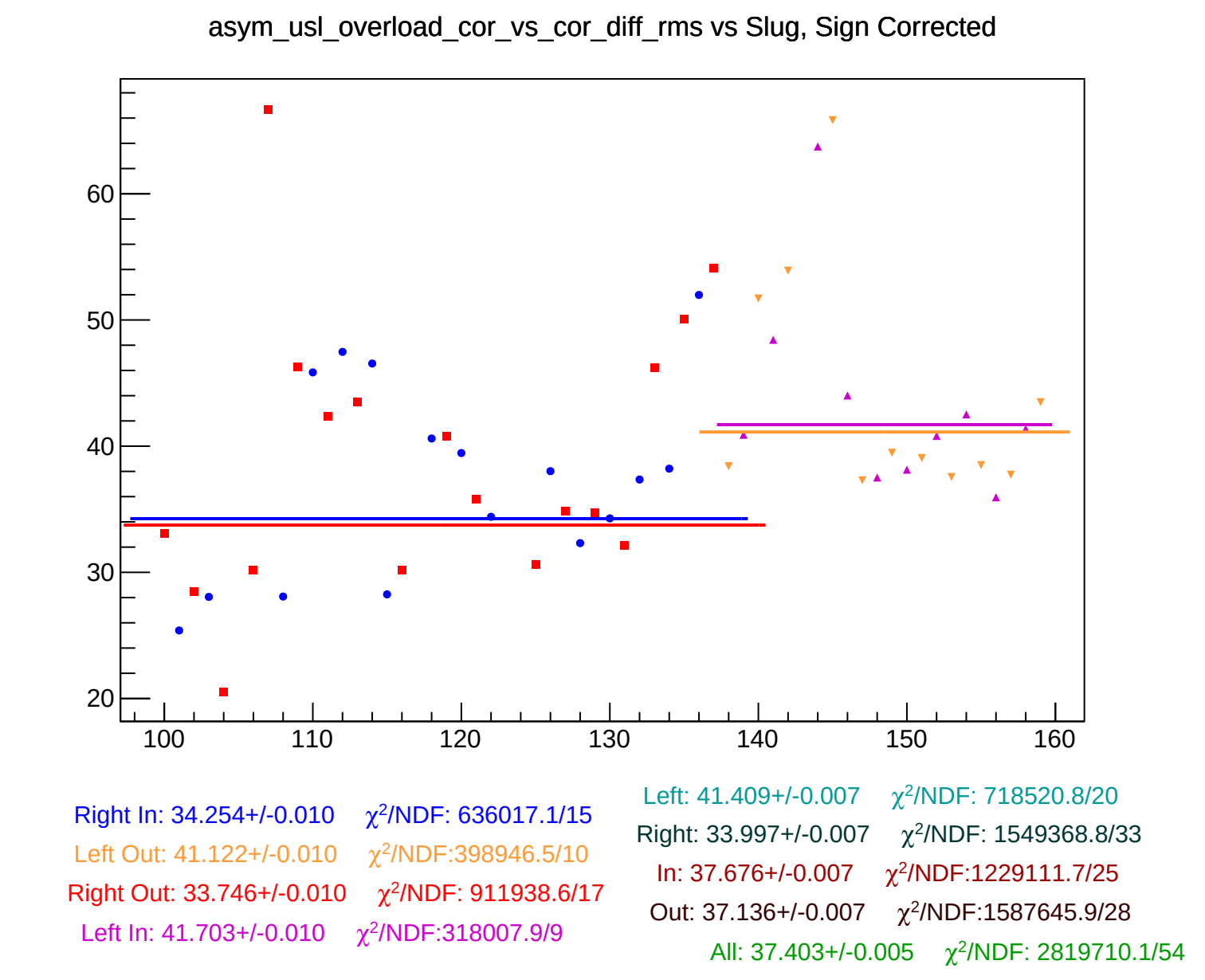
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3605307.3/25

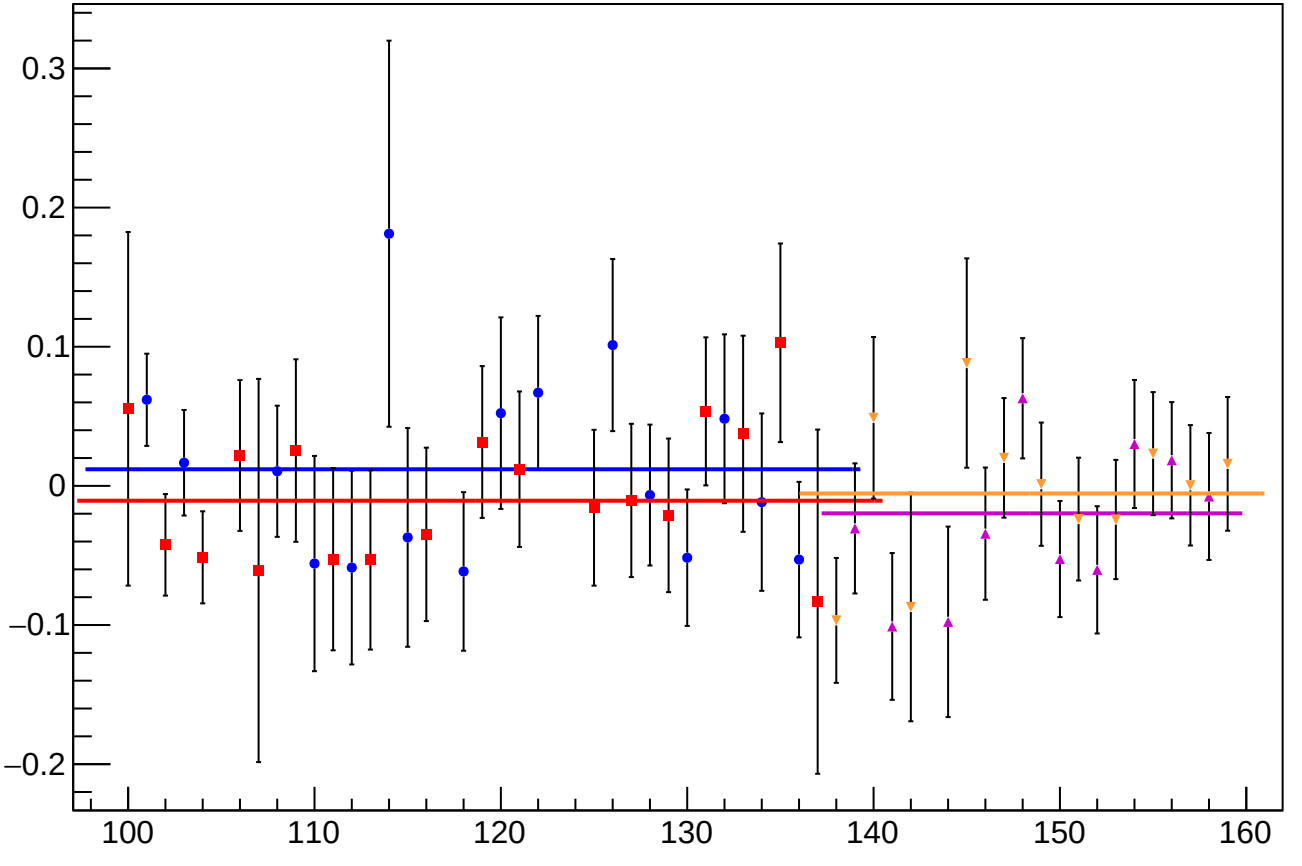
Out: 0.000+/-0.000 χ^2/NDF:4105702.8/28

All: 0.000+/-0.000 χ^2/NDF: 7736870.6/54


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
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.005+/-0.015 χ²/NDF:8.9/10
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.020+/-0.015 χ²/NDF:11.0/9
Left: -0.013+/-0.010 χ²/NDF: 20.4/20
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.003+/-0.010 χ²/NDF:28.2/25
Out: -0.008+/-0.010 χ²/NDF:18.9/28
All: -0.005+/-0.007 χ²/NDF: 47.2/54


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 41.122+/-0.010 χ²/NDF:398946.5/10
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.703+/-0.010 χ²/NDF:318007.9/9
Left: 41.409+/-0.007 χ²/NDF: 718520.8/20
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.676+/-0.007 χ²/NDF:1229111.7/25
Out: 37.136+/-0.007 χ²/NDF:1587645.9/28
All: 37.403+/-0.005 χ²/NDF: 2819710.1/54

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-0.015 χ^2/NDF:8.9/10

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

Left In: -0.020+/-0.015 χ^2/NDF:11.0/9

Left: -0.013+/-0.010 χ^2/NDF: 20.4/20

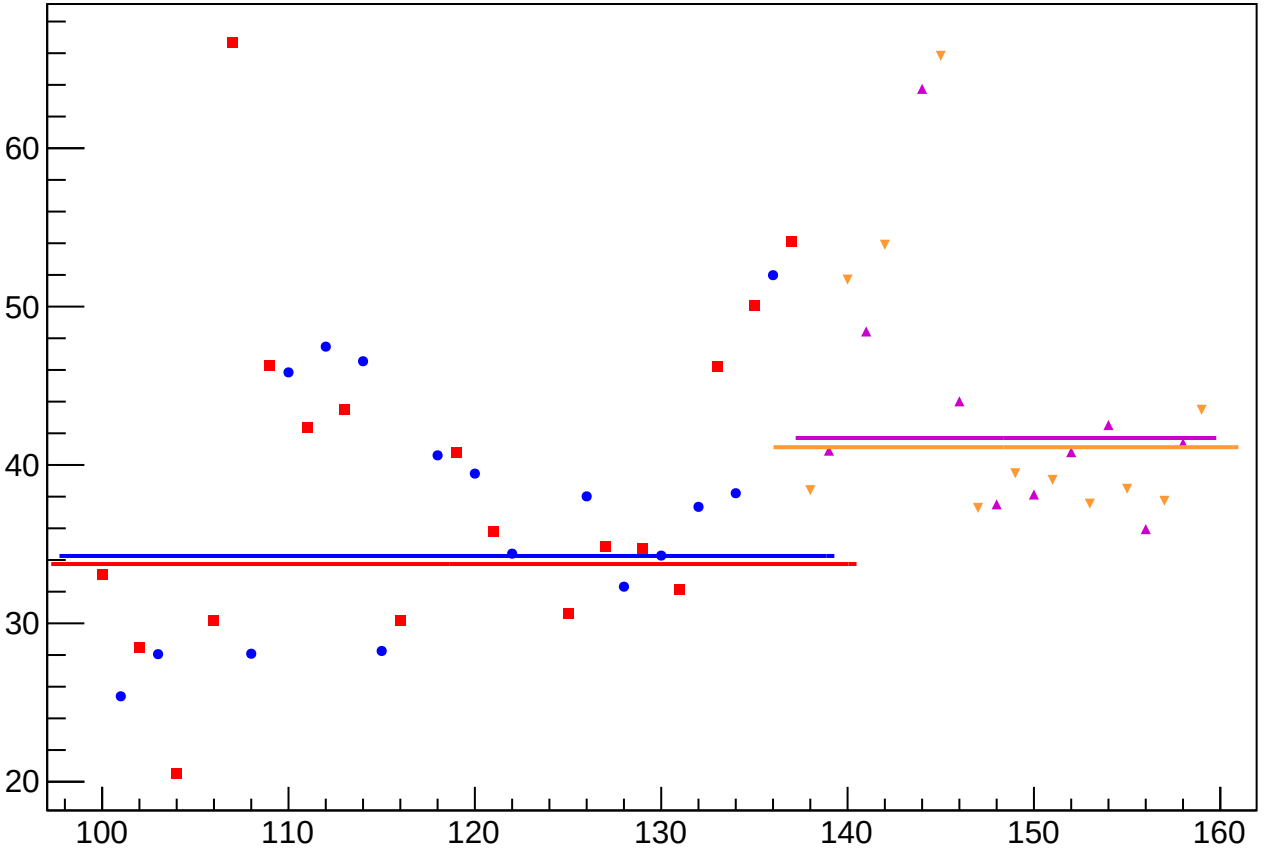
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.003+/-0.010 χ^2/NDF:28.2/25

Out: -0.008+/-0.010 χ^2/NDF:18.9/28

All: -0.005+/-0.007 χ^2/NDF: 47.2/54

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.122+/-0.010 χ^2/NDF:398946.5/10

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

Left In: 41.703+/-0.010 χ^2/NDF:318007.9/9

Left: 41.409+/-0.007 χ^2/NDF: 718520.8/20

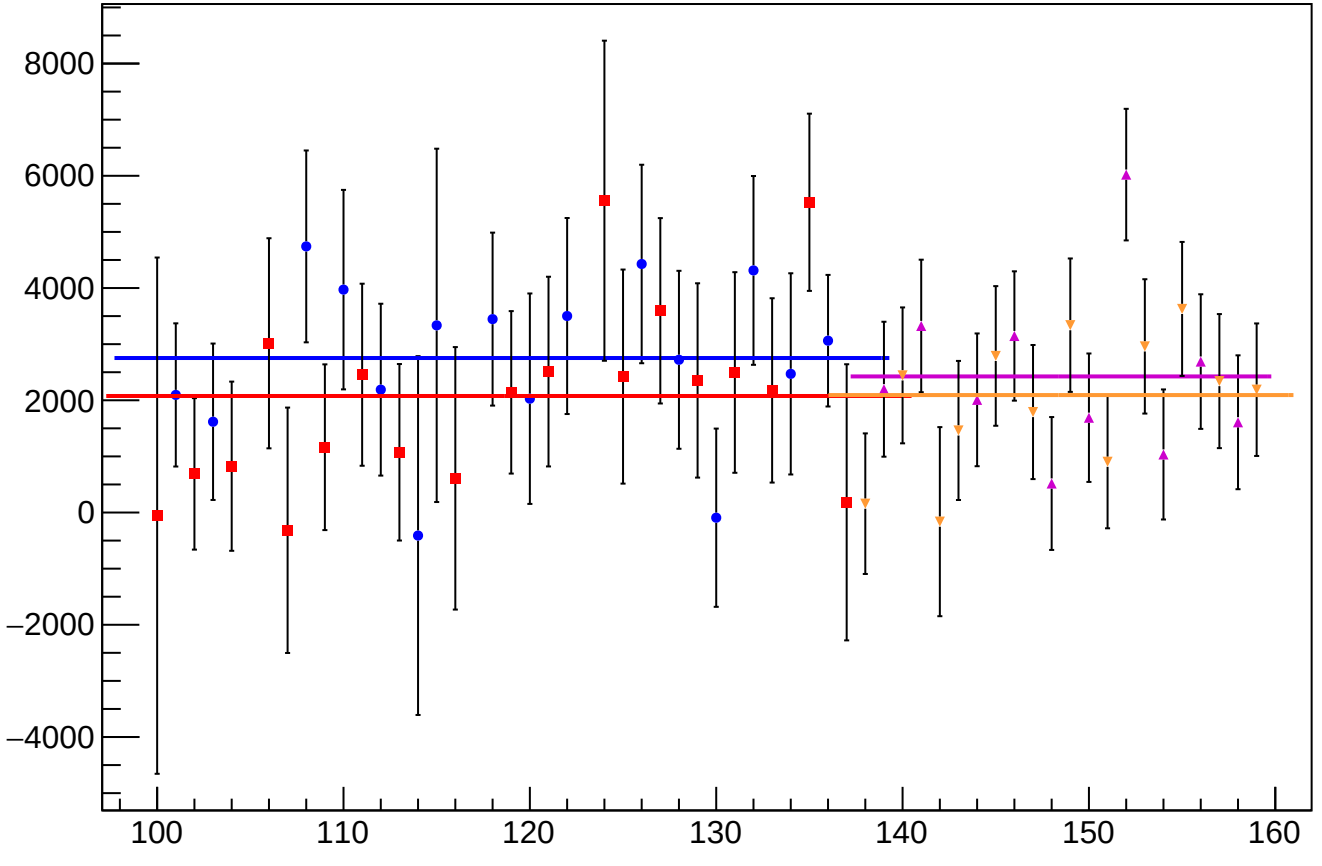
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.676+/-0.007 χ^2/NDF:1229111.7/25

Out: 37.136+/-0.007 χ^2/NDF:1587645.9/28

All: 37.403+/-0.005 χ^2/NDF: 2819710.1/54

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2092.843+/-355.625 χ^2/NDF:9.2/11

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

Left In: 2425.055+/-372.013 χ^2/NDF:15.5/9

Left: 2251.471+/-257.063 χ^2/NDF: 25.2/21

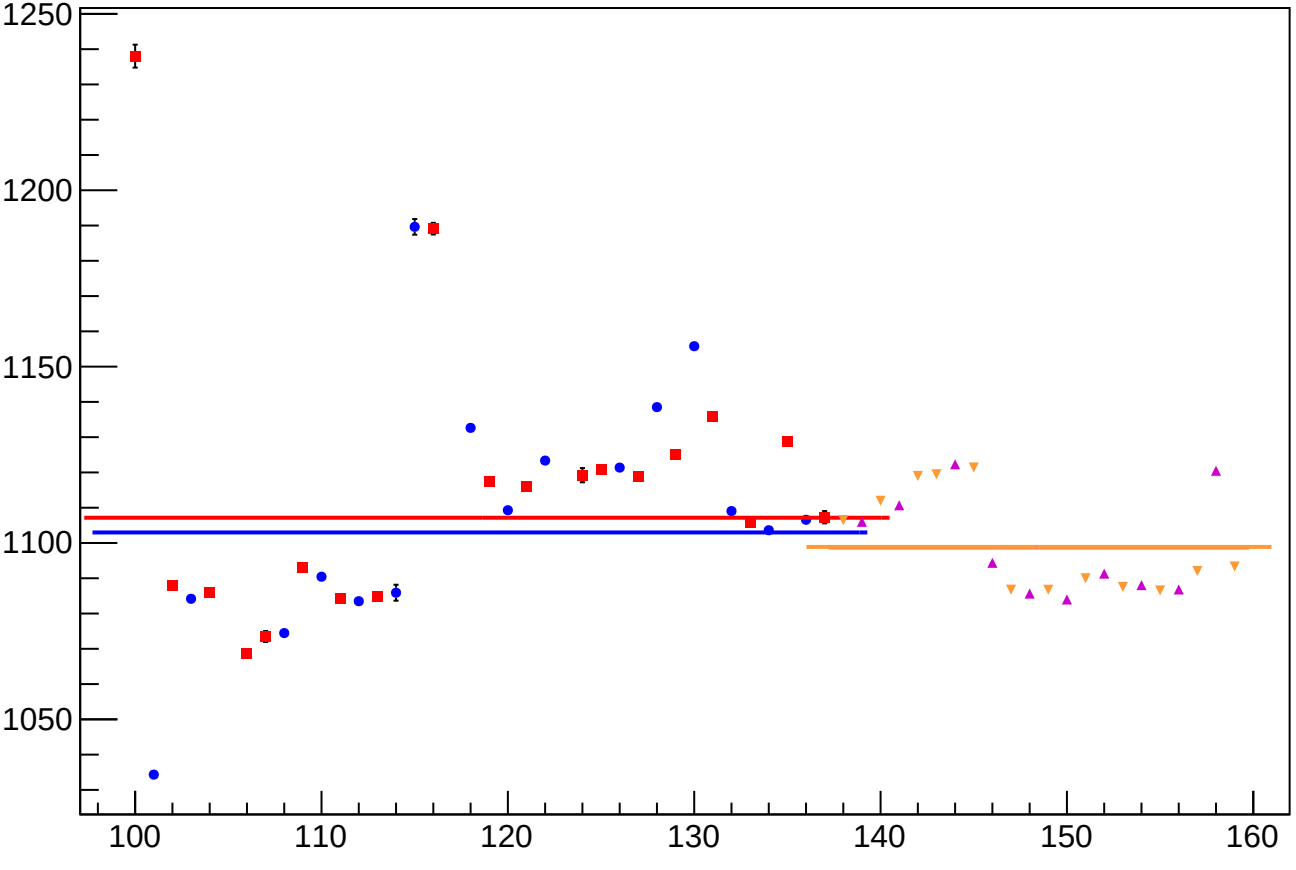
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2573.255+/-275.457 χ^2/NDF:25.4/25

Out: 2085.691+/-266.879 χ^2/NDF:21.8/30

All: 2321.764+/-191.673 χ^2/NDF: 48.8/56

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1098.886+/-0.251 χ^2/NDF:2830.0/11

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

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

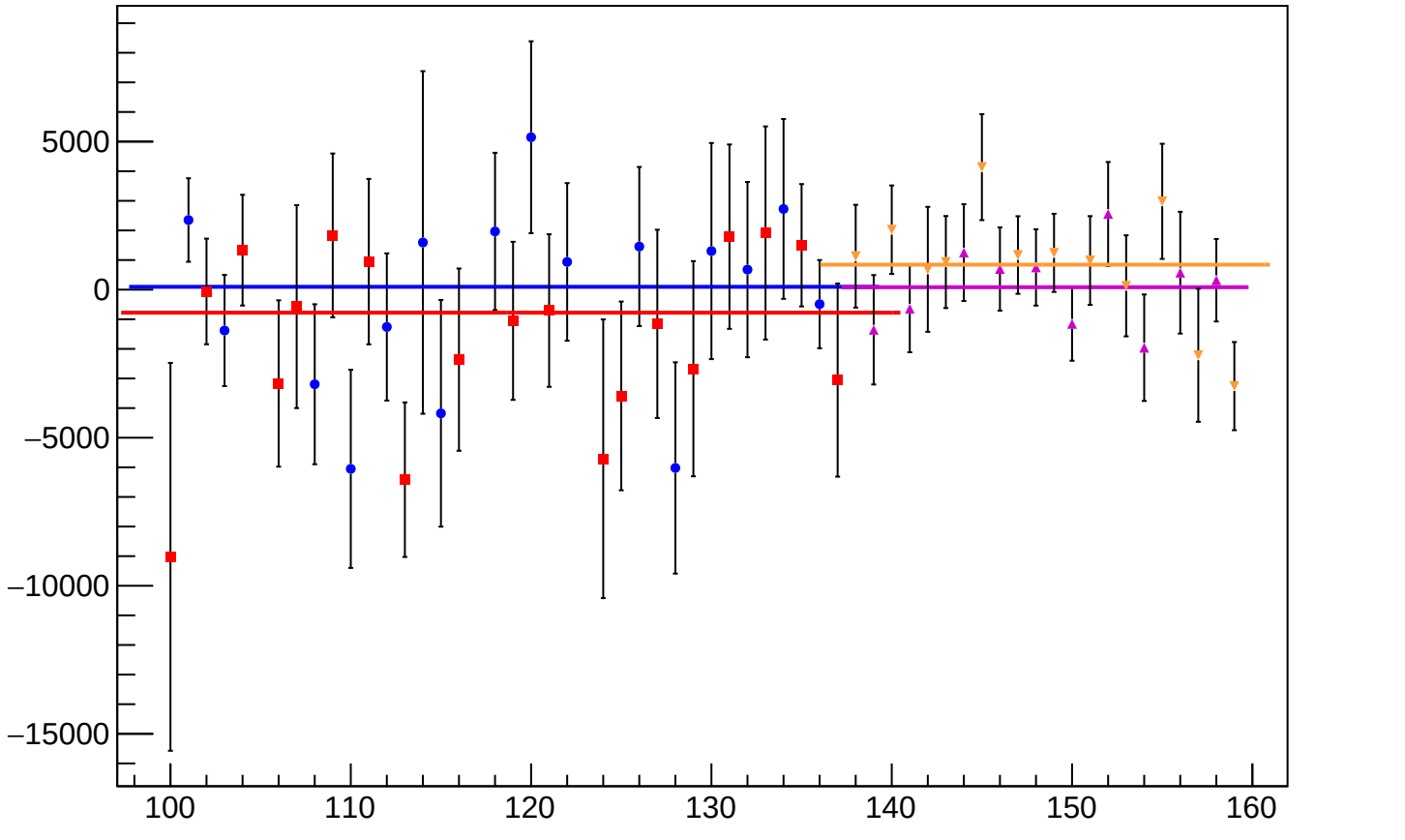
Left: 1098.832+/-0.182 χ^2/NDF: 5620.1/21

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1100.677+/-0.195 χ^2/NDF:16129.8/25

Out: 1102.500+/-0.189 χ^2/NDF:11986.2/30

All: 1101.617+/-0.136 χ^2/NDF: 28161.1/56



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 843.293+/-466.760 χ^2/NDF:15.0/11

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

Left In: 82.224+/-483.959 χ^2/NDF:6.2/9

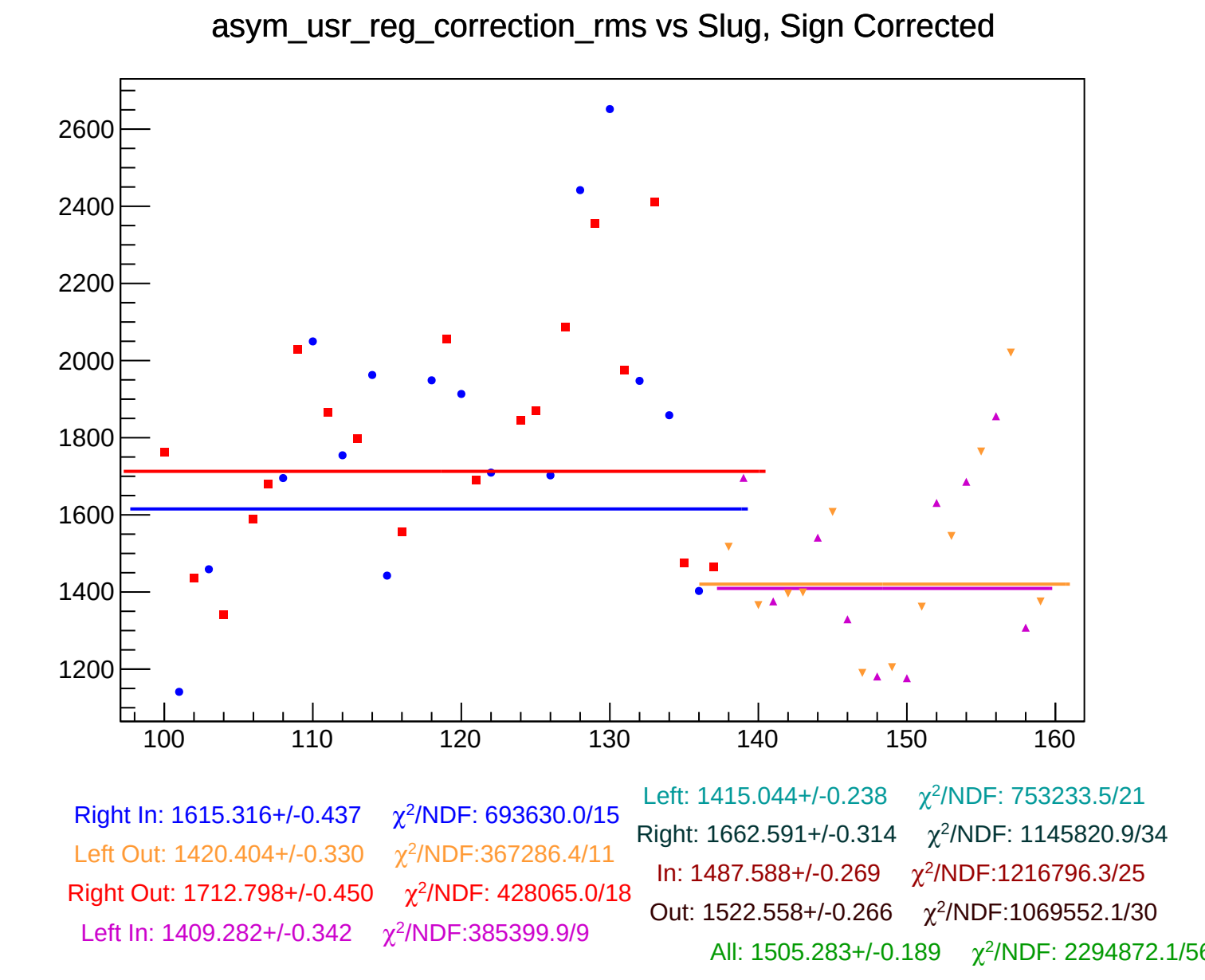
Left: 476.522+/-335.965 χ^2/NDF: 22.5/21

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

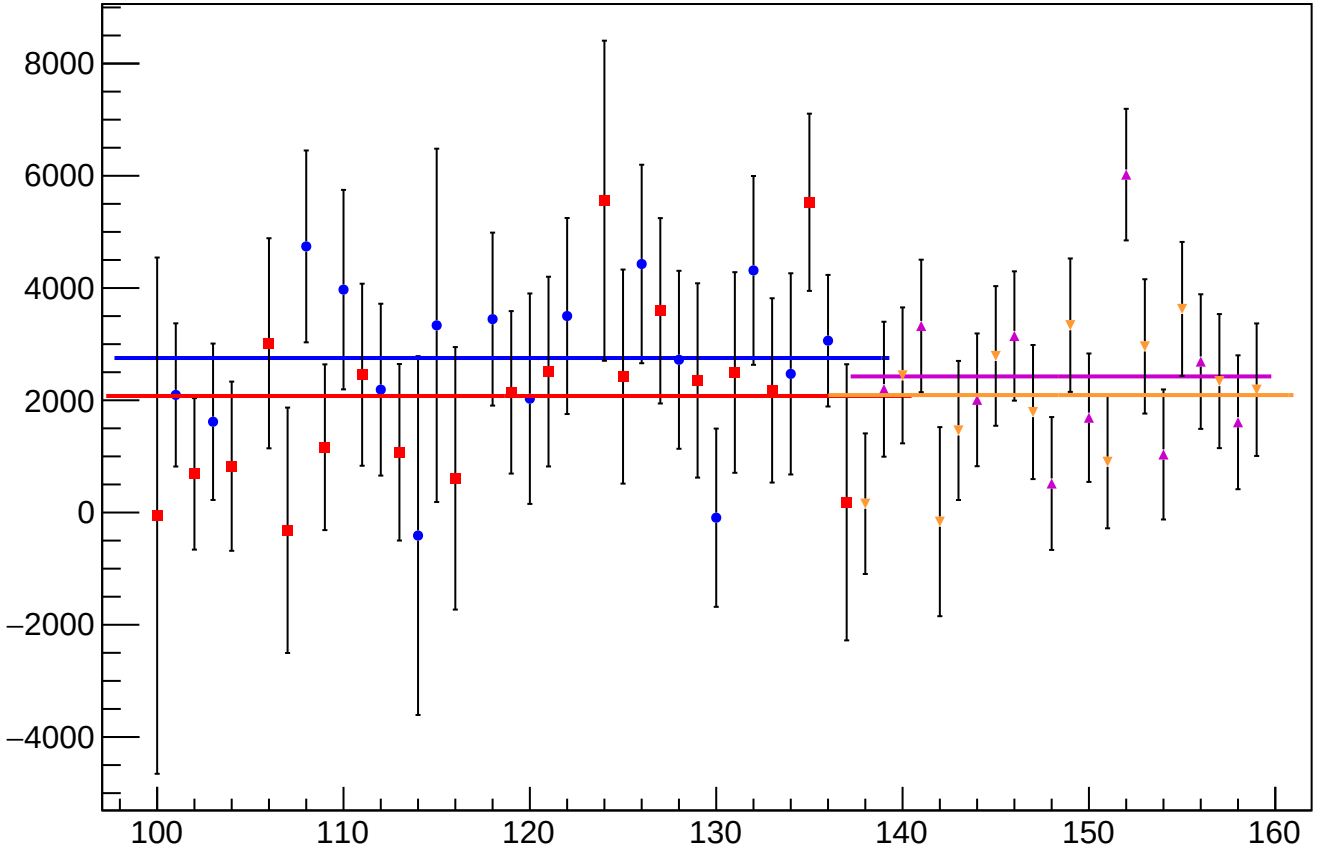
In: 87.443+/-381.050 χ^2/NDF:23.1/25

Out: 277.211+/-376.496 χ^2/NDF:34.3/30

All: 183.468+/-267.818 χ^2/NDF: 57.5/56


asym_usr_reg_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1420.404+/-0.330 χ²/NDF:367286.4/11
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1409.282+/-0.342 χ²/NDF:385399.9/9
Left: 1415.044+/-0.238 χ²/NDF: 753233.5/21
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1487.588+/-0.269 χ²/NDF:1216796.3/25
Out: 1522.558+/-0.266 χ²/NDF:1069552.1/30
All: 1505.283+/-0.189 χ²/NDF: 2294872.1/56

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2092.843+/-355.625 χ^2/NDF:9.2/11

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

Left In: 2425.055+/-372.013 χ^2/NDF:15.5/9

Left: 2251.471+/-257.063 χ^2/NDF: 25.2/21

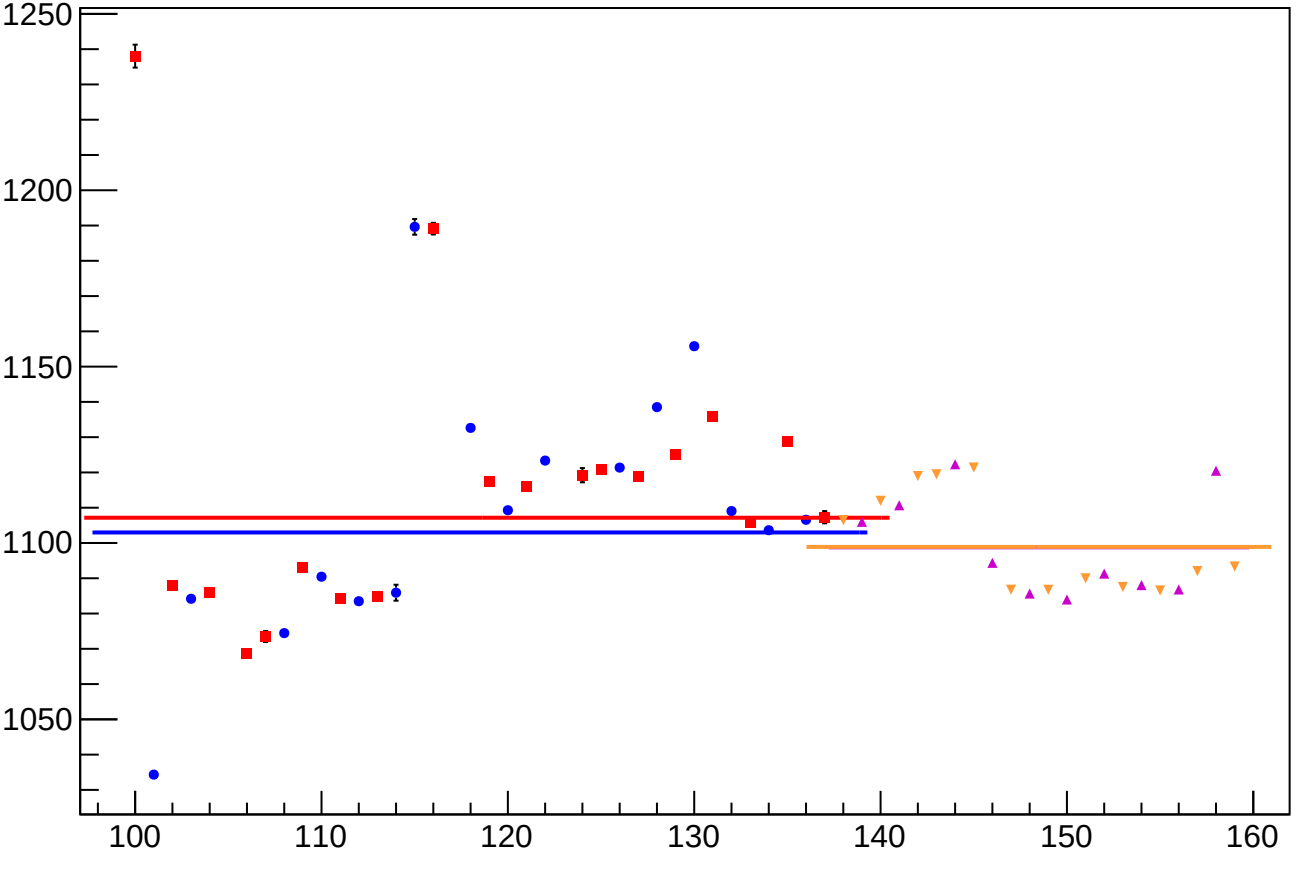
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2573.255+/-275.457 χ^2/NDF:25.4/25

Out: 2085.691+/-266.879 χ^2/NDF:21.8/30

All: 2321.764+/-191.673 χ^2/NDF: 48.8/56

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1098.886+/-0.251 χ^2/NDF:2830.0/11

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

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

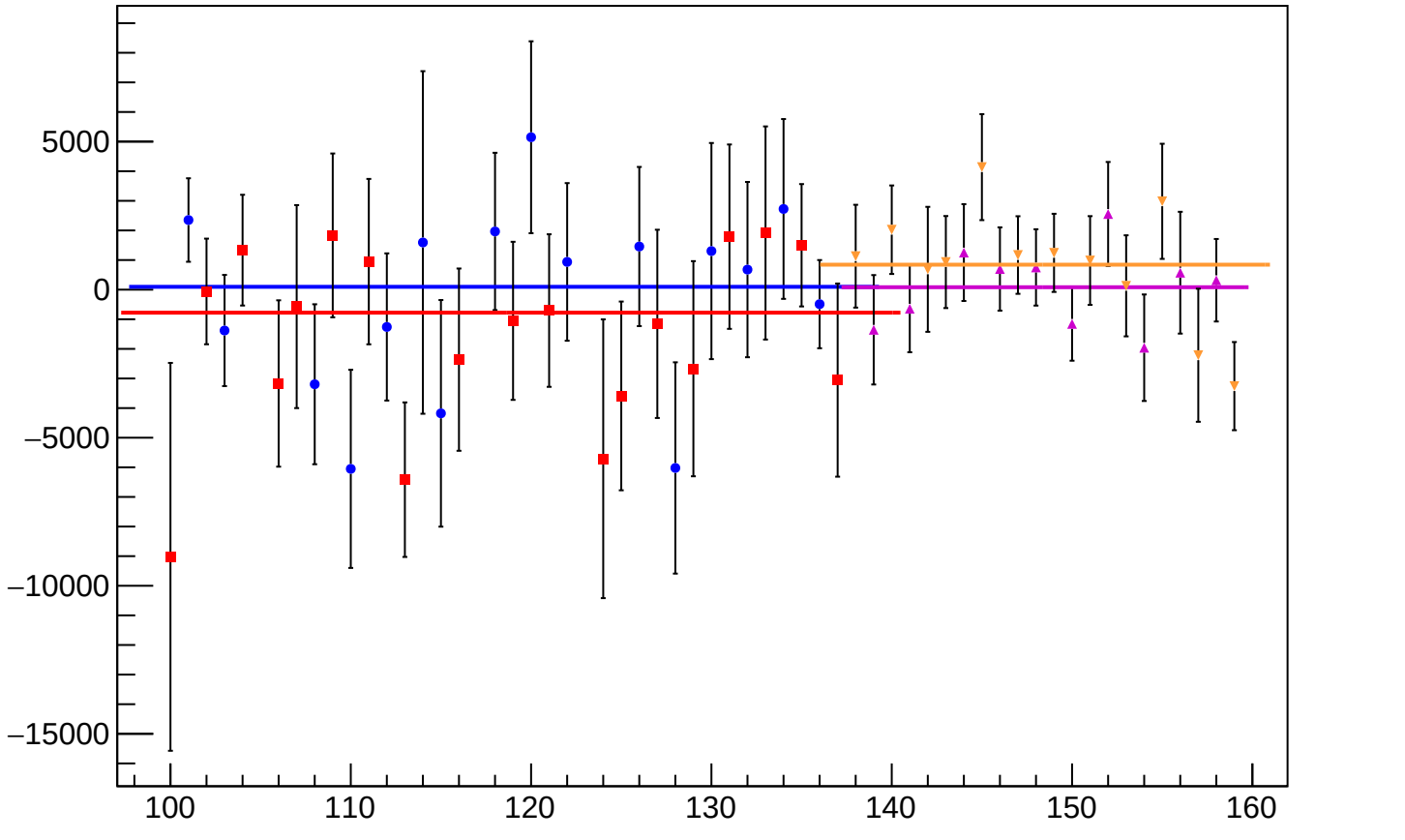
Left: 1098.832+/-0.182 χ^2/NDF: 5620.1/21

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1100.677+/-0.195 χ^2/NDF:16129.8/25

Out: 1102.500+/-0.189 χ^2/NDF:11986.2/30

All: 1101.617+/-0.136 χ^2/NDF: 28161.1/56



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 843.293+/-466.760 χ^2/NDF:15.0/11

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

Left In: 82.224+/-483.959 χ^2/NDF:6.2/9

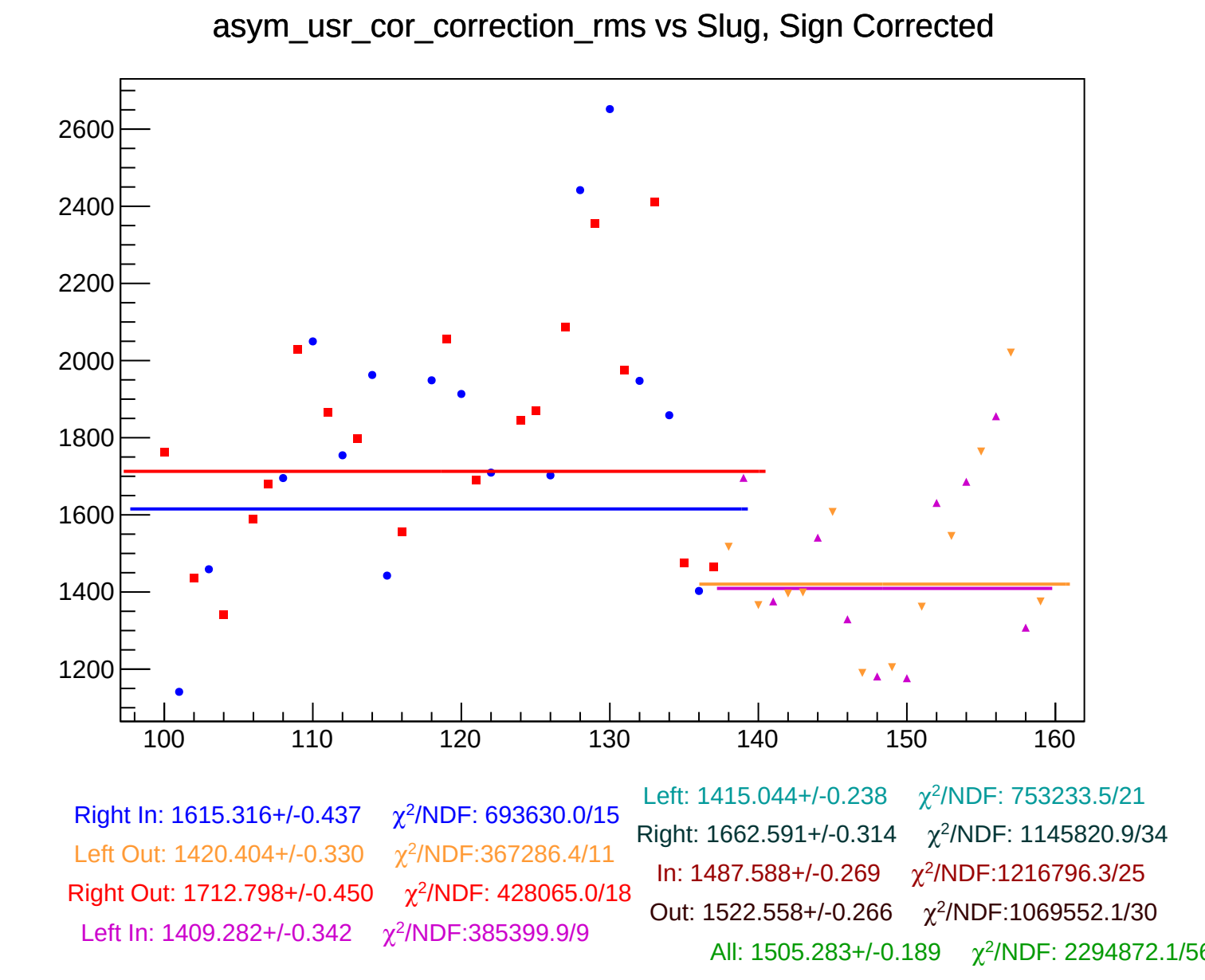
Left: 476.522+/-335.965 χ^2/NDF: 22.5/21

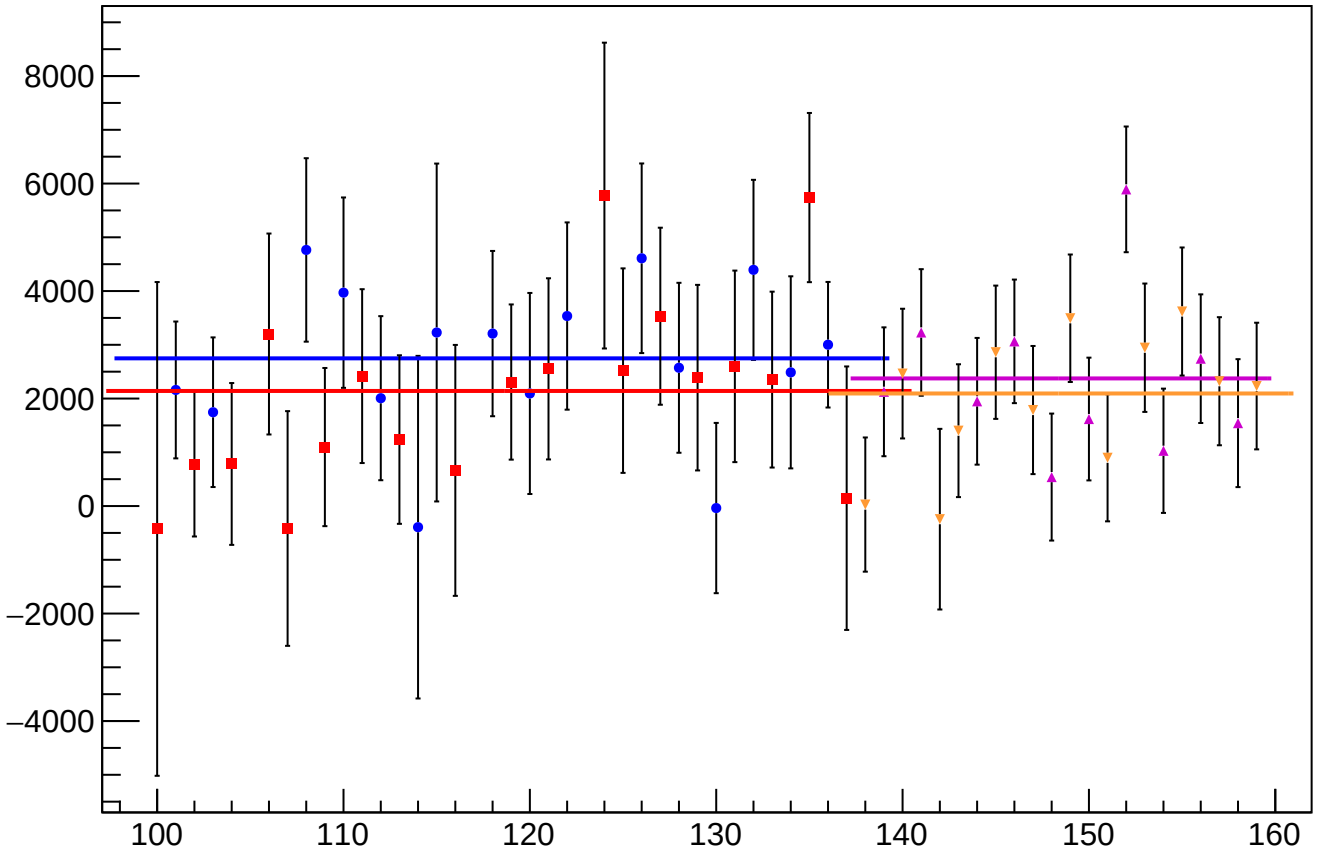
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 87.443+/-381.050 χ^2/NDF:23.1/25

Out: 277.211+/-376.496 χ^2/NDF:34.3/30

All: 183.468+/-267.818 χ^2/NDF: 57.5/56


asym_usr_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1420.404+/-0.330 χ²/NDF:367286.4/11
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1409.282+/-0.342 χ²/NDF:385399.9/9
Left: 1415.044+/-0.238 χ²/NDF: 753233.5/21
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1487.588+/-0.269 χ²/NDF:1216796.3/25
Out: 1522.558+/-0.266 χ²/NDF:1069552.1/30
All: 1505.283+/-0.189 χ²/NDF: 2294872.1/56



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2094.300+/-354.705 χ^2/NDF:10.1/11

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

Left In: 2374.350+/-371.123 χ^2/NDF:14.9/9

Left: 2227.993+/-256.422 χ^2/NDF: 25.3/21

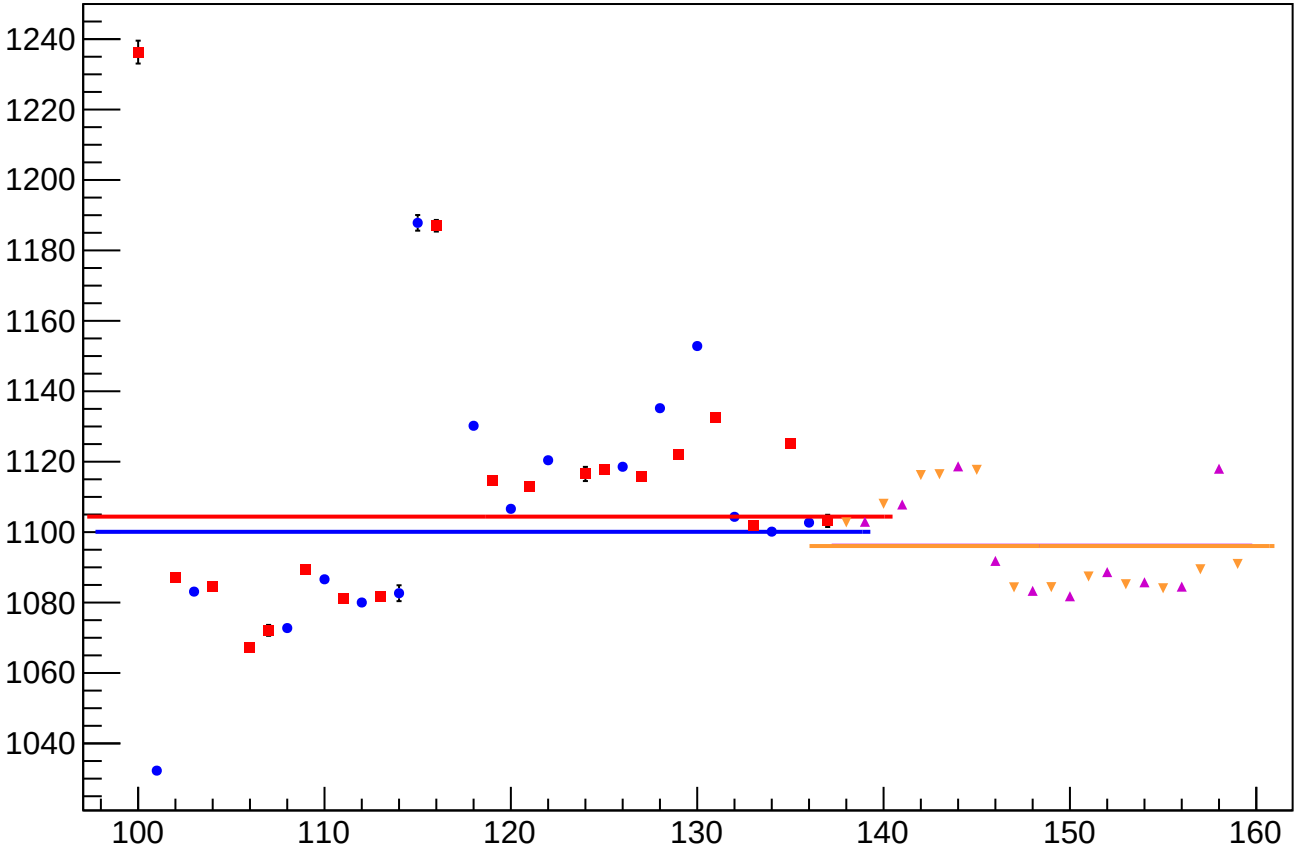
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2543.157+/-274.768 χ^2/NDF:24.9/25

Out: 2114.771+/-266.200 χ^2/NDF:23.7/30

All: 2322.181+/-191.189 χ^2/NDF: 49.8/56

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1096.049+/-0.251 χ^2/NDF:2658.3/11

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

Left In: 1096.148+/-0.262 χ^2/NDF:2679.4/9

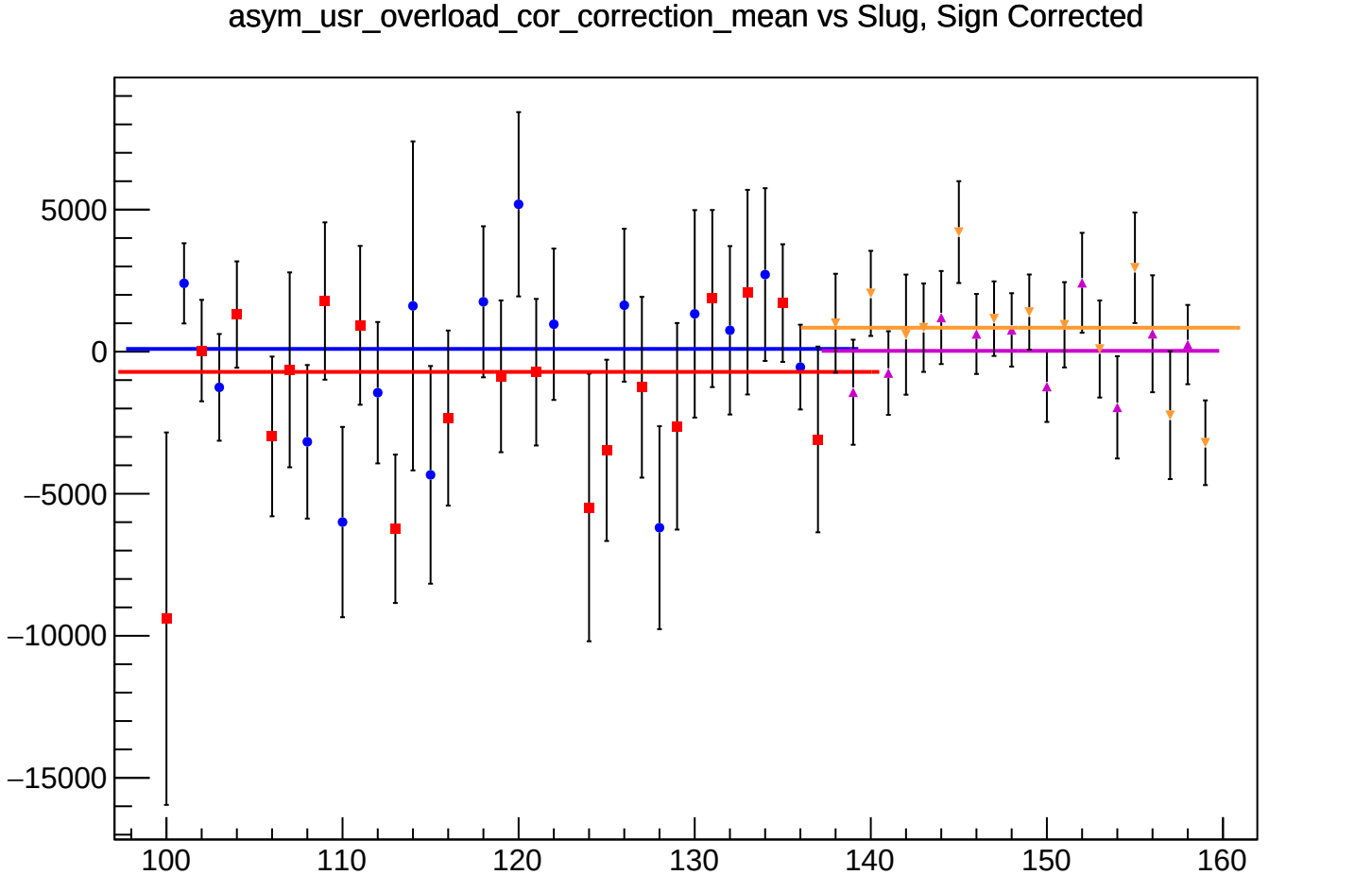
Left: 1096.096+/-0.181 χ^2/NDF: 5337.8/21

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1097.929+/-0.194 χ^2/NDF:15858.6/25

Out: 1099.698+/-0.188 χ^2/NDF:11686.4/30

All: 1098.841+/-0.135 χ^2/NDF: 27587.7/56



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 843.803+/-467.514 χ^2/NDF:15.1/11

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

Left In: 29.024+/-484.685 χ^2/NDF:6.1/9

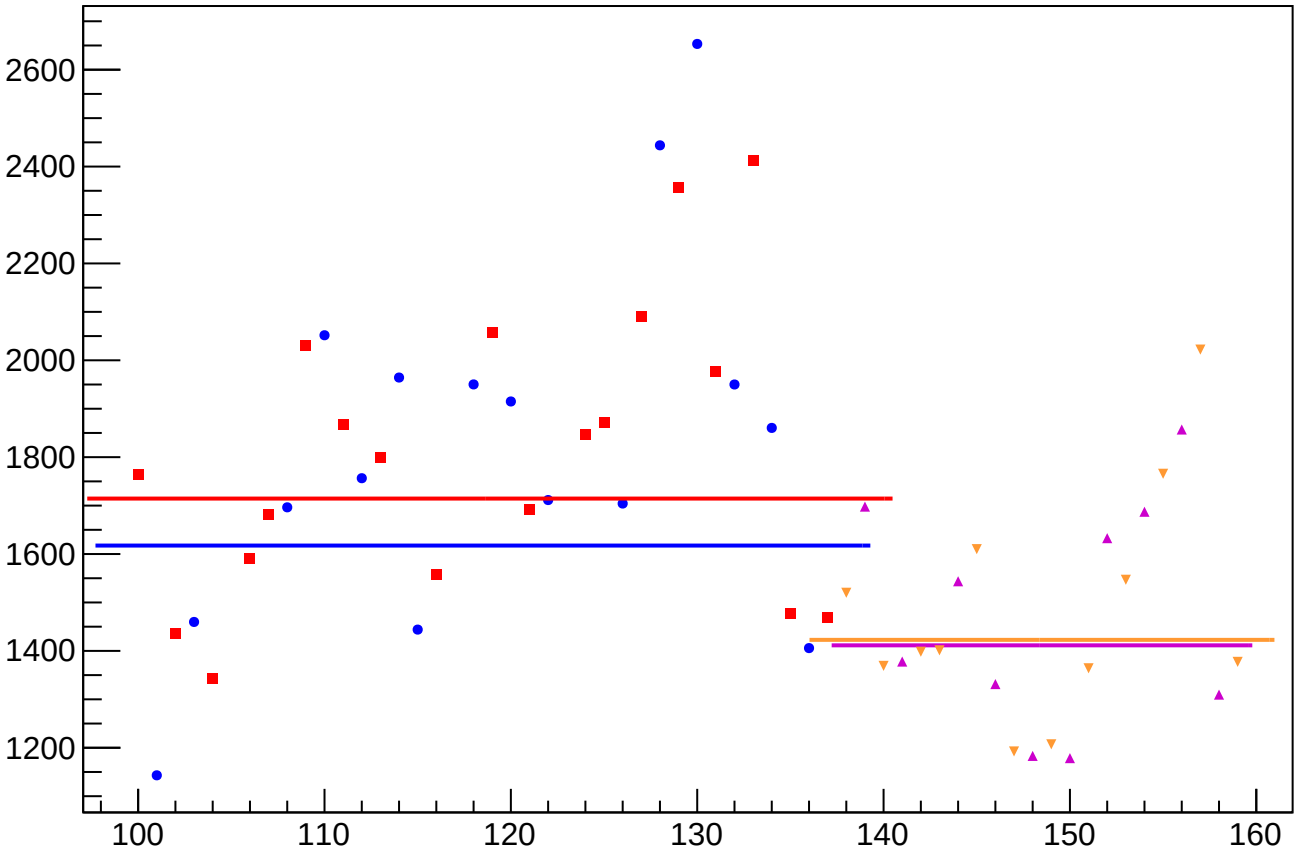
Left: 451.101+/-336.489 χ^2/NDF: 22.6/21

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 55.032+/-381.588 χ^2/NDF:23.4/25

Out: 300.046+/-377.020 χ^2/NDF:33.9/30

All: 179.014+/-268.194 χ^2/NDF: 57.4/56



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

Left Out: 1422.789+/-0.331 χ^2/NDF:365868.6/11

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

Left In: 1411.476+/-0.343 χ^2/NDF:383904.2/9

Left: 1417.336+/-0.238 χ^2/NDF: 750337.2/21

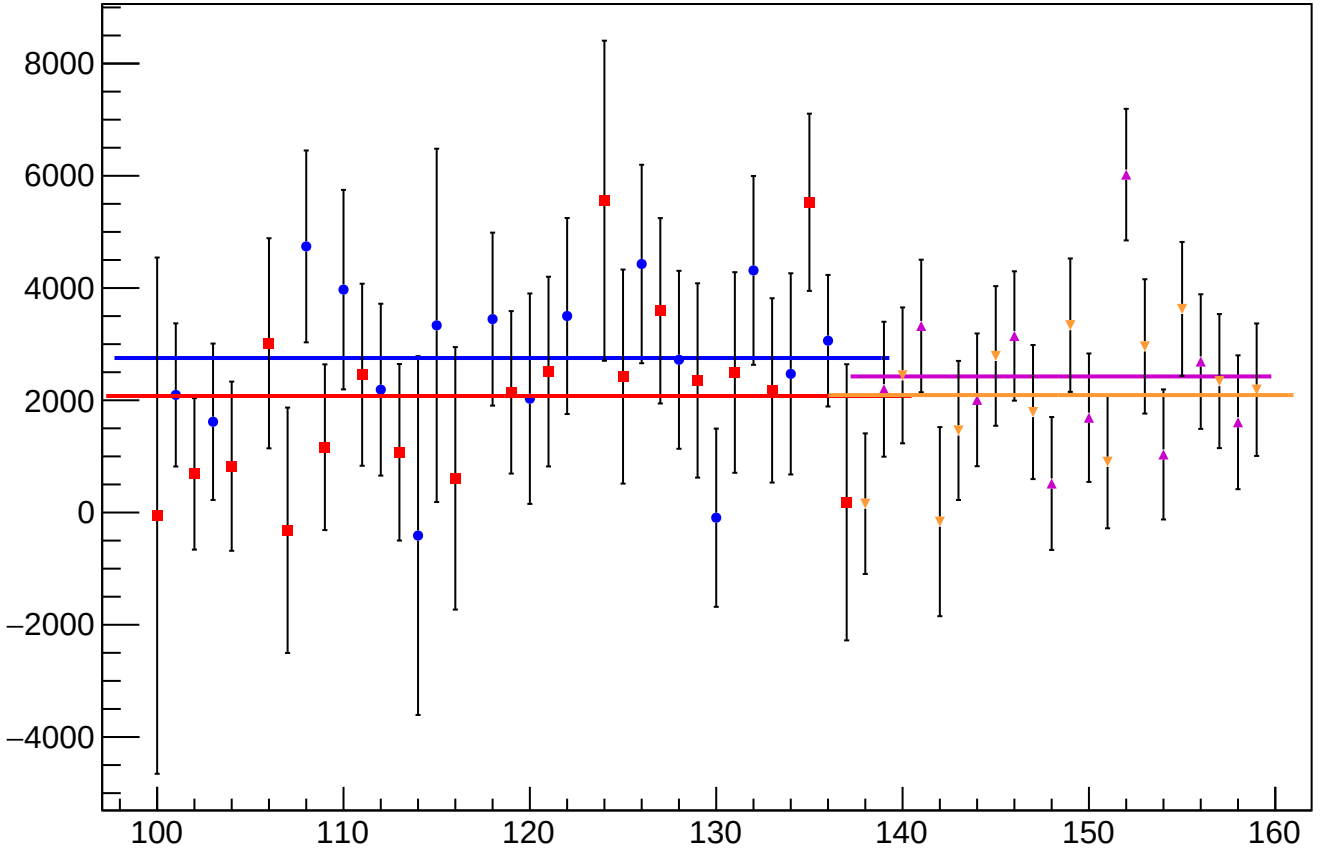
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1489.798+/-0.270 χ^2/NDF:1212998.8/25

Out: 1524.792+/-0.267 χ^2/NDF:1065860.3/30

All: 1507.505+/-0.190 χ^2/NDF: 2287370.6/56

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2092.843+/-355.625 χ^2/NDF:9.2/11

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

Left In: 2425.055+/-372.013 χ^2/NDF:15.5/9

Left: 2251.471+/-257.063 χ^2/NDF: 25.2/21

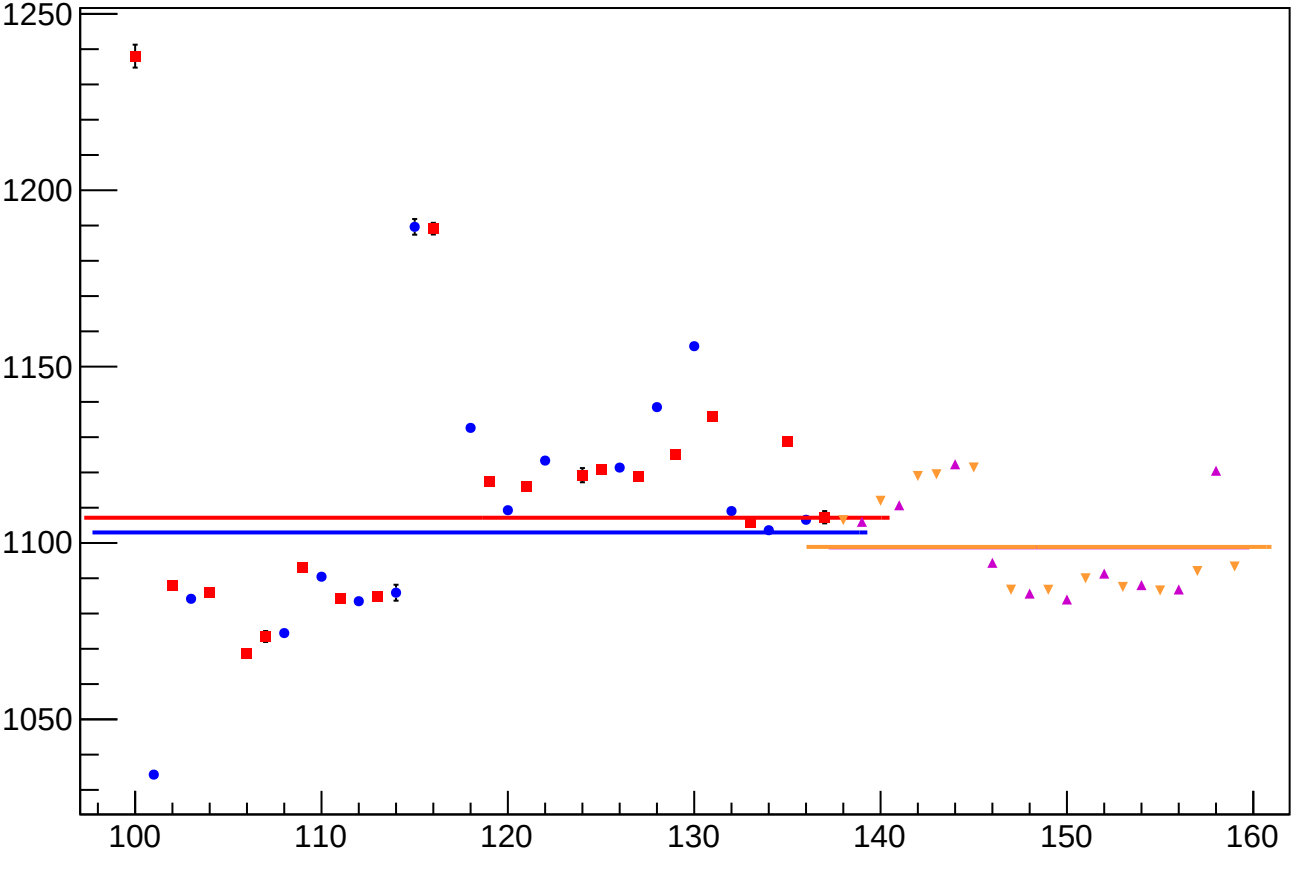
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2573.255+/-275.457 χ^2/NDF:25.4/25

Out: 2085.691+/-266.879 χ^2/NDF:21.8/30

All: 2321.764+/-191.673 χ^2/NDF: 48.8/56

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1098.886+/-0.251 χ^2/NDF:2830.0/11

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

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

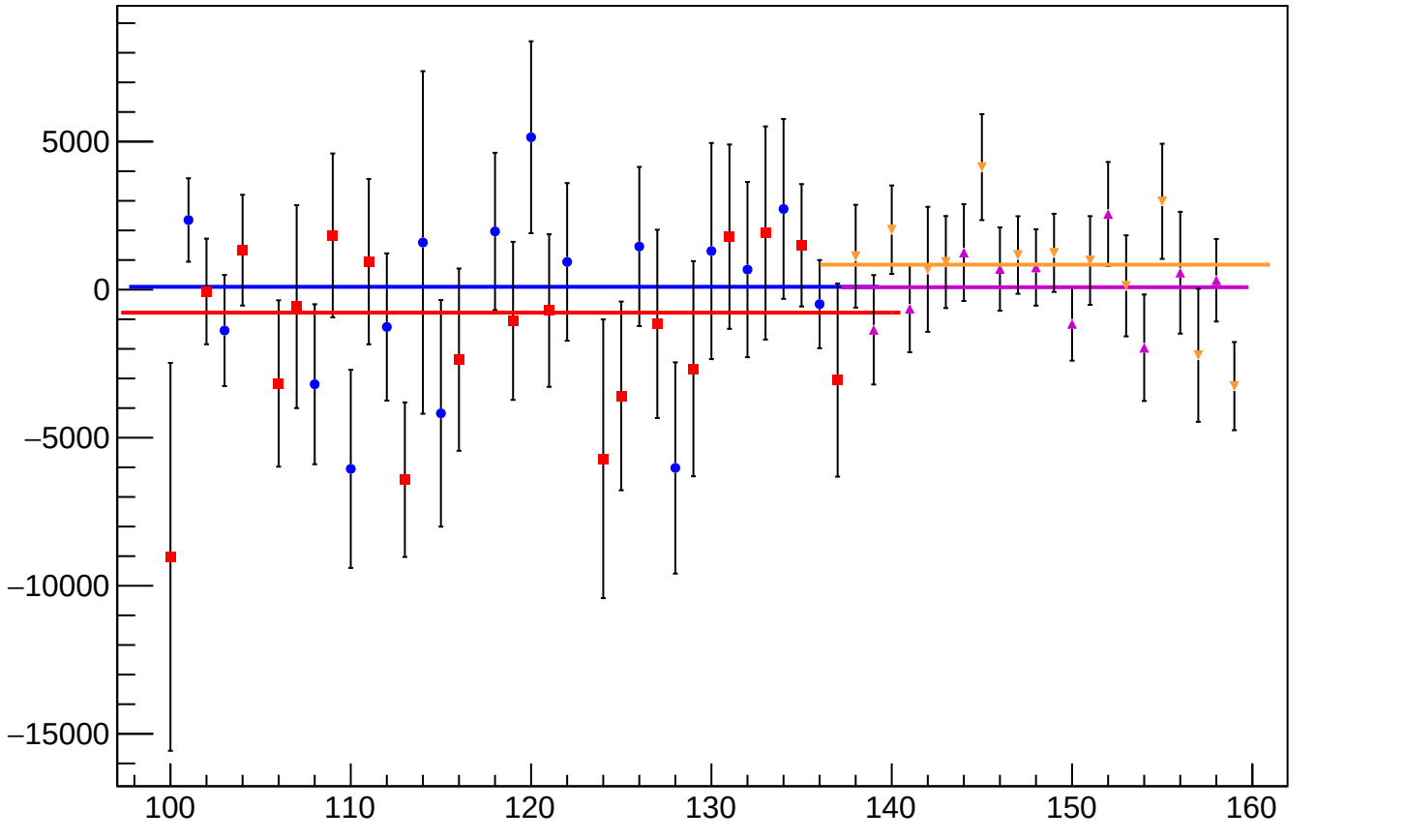
Left: 1098.832+/-0.182 χ^2/NDF: 5620.1/21

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1100.677+/-0.195 χ^2/NDF:16129.8/25

Out: 1102.500+/-0.189 χ^2/NDF:11986.2/30

All: 1101.617+/-0.136 χ^2/NDF: 28161.1/56



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 843.293+/-466.760 χ^2/NDF:15.0/11

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

Left In: 82.224+/-483.959 χ^2/NDF:6.2/9

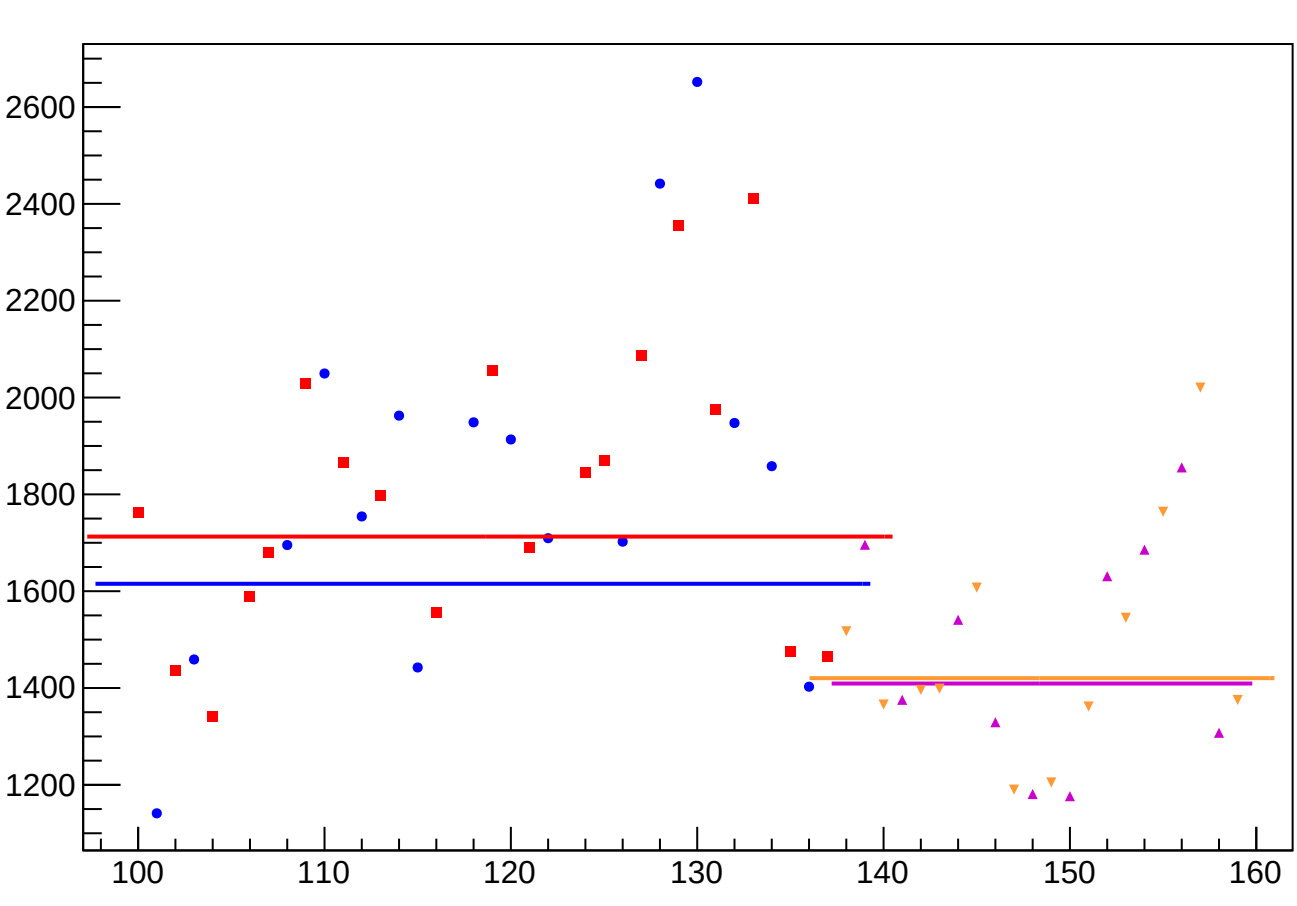
Left: 476.522+/-335.965 χ^2/NDF: 22.5/21

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 87.443+/-381.050 χ^2/NDF:23.1/25

Out: 277.211+/-376.496 χ^2/NDF:34.3/30

All: 183.468+/-267.818 χ^2/NDF: 57.5/56



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

Left Out: 1420.404+/-0.330 χ^2/NDF:367286.4/11

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

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

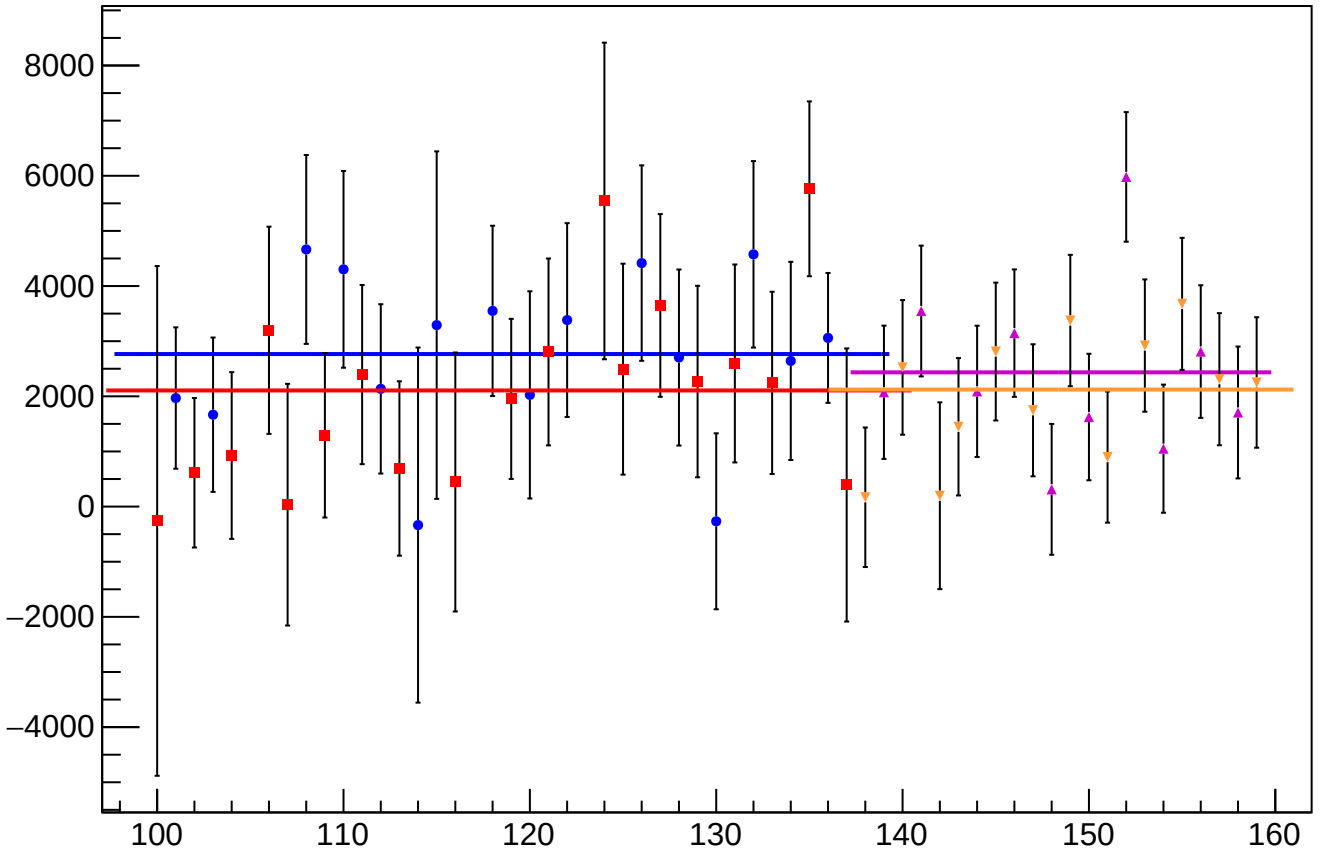
Left: 1415.044+/-0.238 χ^2/NDF: 753233.5/21

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1487.588+/-0.269 χ^2/NDF:1216796.3/25

Out: 1522.558+/-0.266 χ^2/NDF:1069552.1/30

All: 1505.283+/-0.189 χ^2/NDF: 2294872.1/56



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

Left Out: 2122.437+/-357.167 χ^2/NDF:8.8/11

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

Left In: 2435.046+/-373.322 χ^2/NDF:16.1/9

Left: 2271.831+/-258.077 χ^2/NDF: 25.3/21

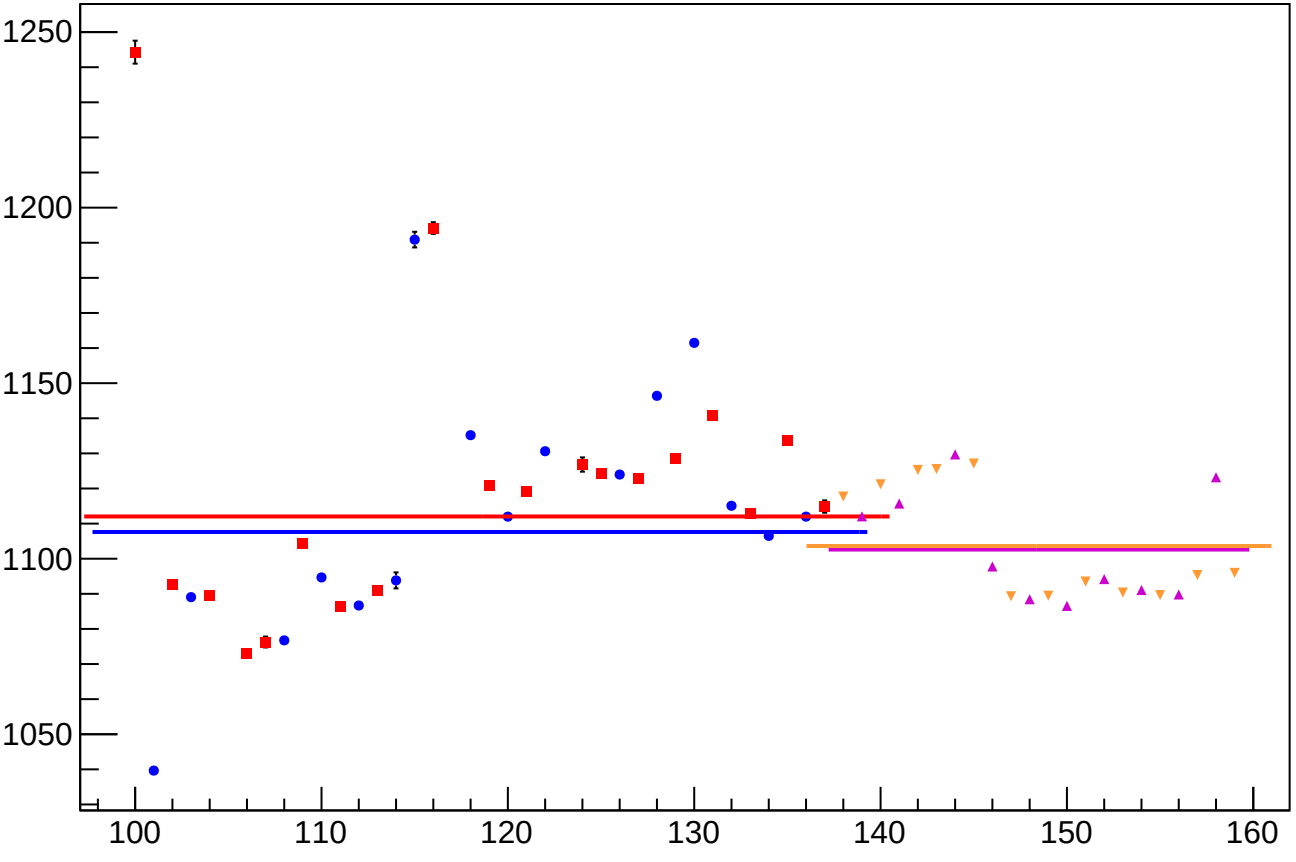
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2584.733+/-276.512 χ^2/NDF:26.8/25

Out: 2115.414+/-268.048 χ^2/NDF:22.2/30

All: 2342.780+/-192.461 χ^2/NDF: 50.4/56

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1103.616+/-0.253 χ^2/NDF:3724.6/11

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

Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

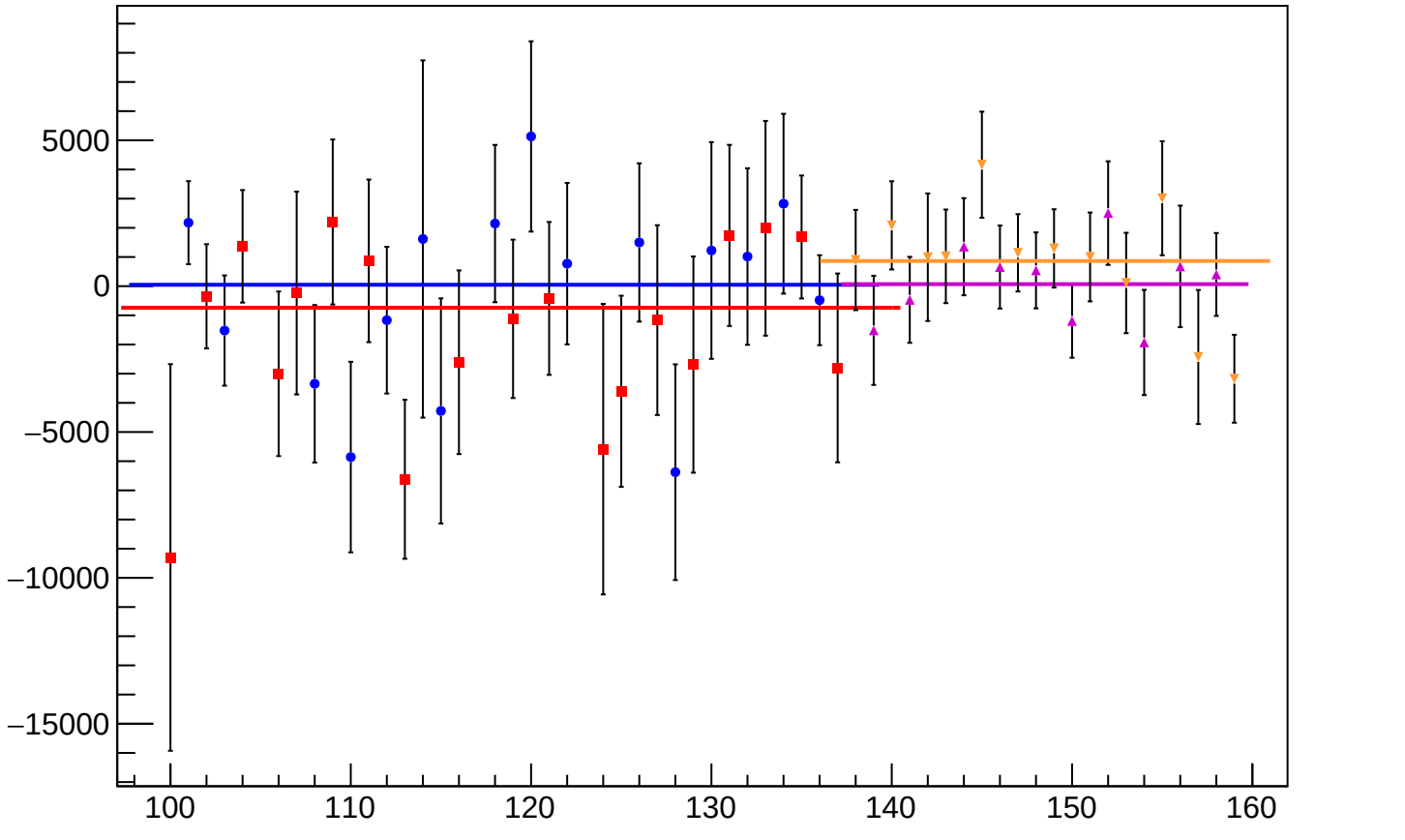
Left: 1103.137+/-0.182 χ^2/NDF: 6964.2/21

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1104.870+/-0.196 χ^2/NDF:16614.8/25

Out: 1107.291+/-0.190 χ^2/NDF:12862.8/30

All: 1106.118+/-0.136 χ^2/NDF: 29556.6/56



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 863.388+/-473.483 χ^2/NDF:14.7/11

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

Left In: 69.354+/-489.738 χ^2/NDF:6.0/9

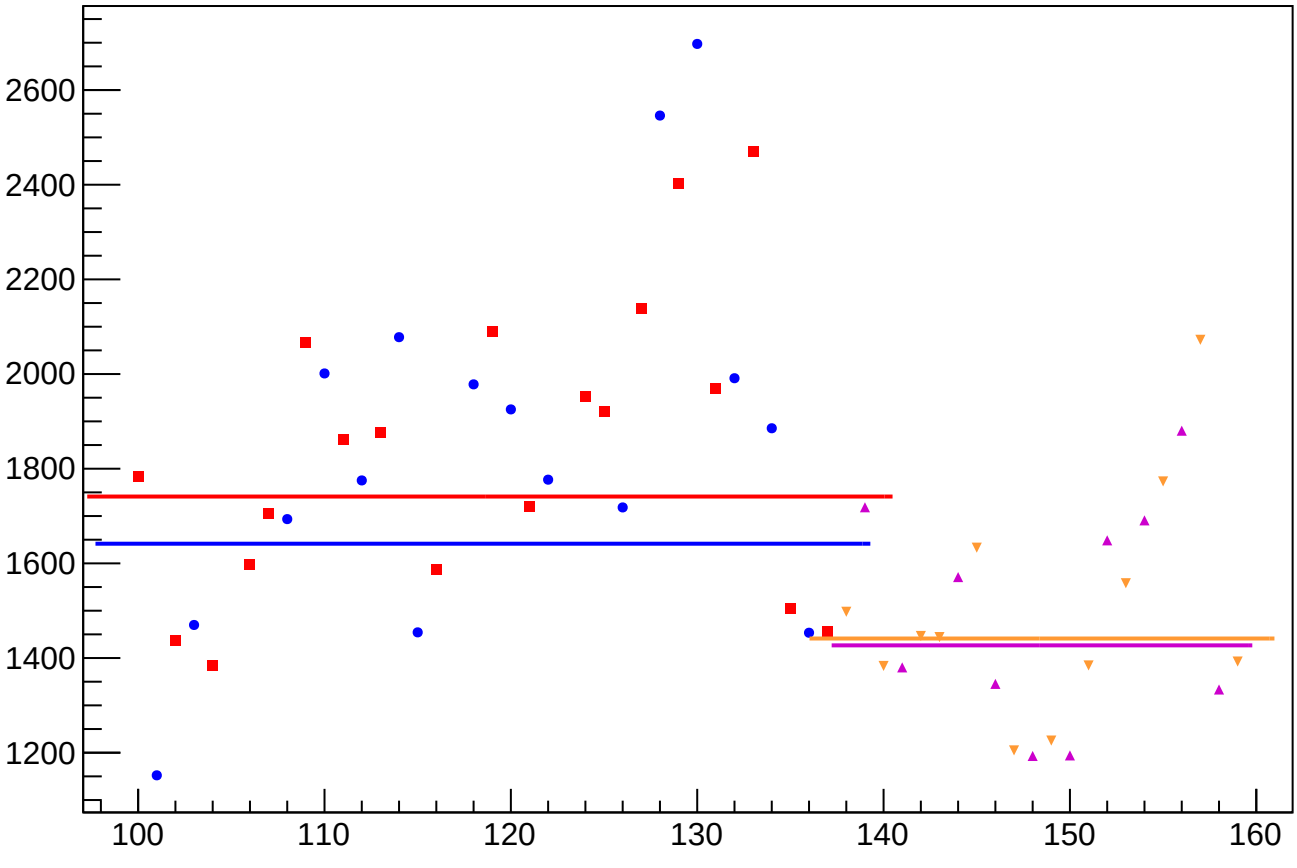
Left: 479.767+/-340.405 χ^2/NDF: 22.1/21

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 61.211+/-386.204 χ^2/NDF:22.9/25

Out: 305.704+/-382.260 χ^2/NDF:33.7/30

All: 184.712+/-271.682 χ^2/NDF: 56.8/56



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1441.250+/-0.335 χ^2/NDF:365216.0/11

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

Left In: 1426.767+/-0.346 χ^2/NDF:382008.5/9

Left: 1434.253+/-0.241 χ^2/NDF: 748128.5/21

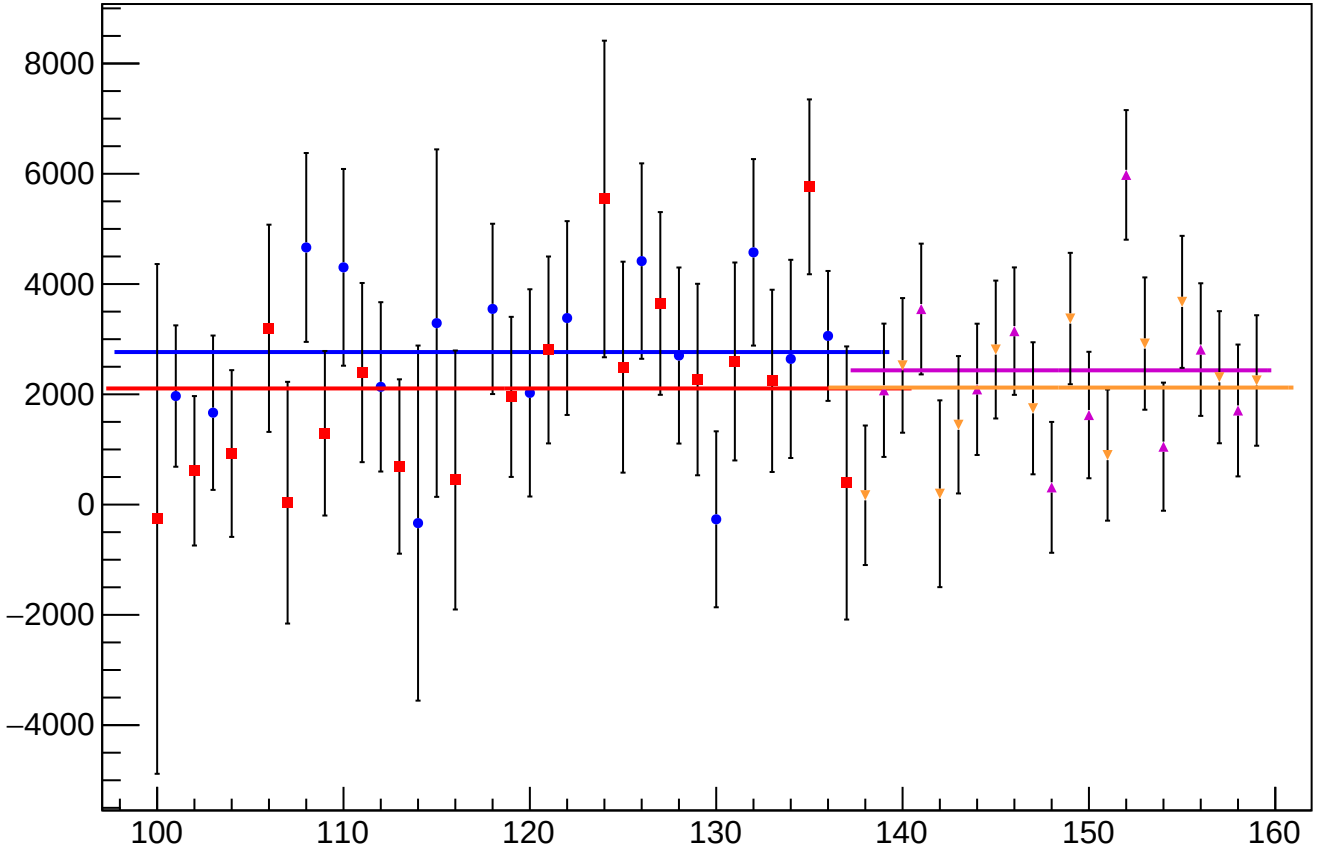
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1507.976+/-0.273 χ^2/NDF:1228760.0/25

Out: 1545.696+/-0.270 χ^2/NDF:1083037.9/30

All: 1527.030+/-0.192 χ^2/NDF: 2321434.7/56

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2122.435+/-357.167 χ^2/NDF:8.8/11

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

Left In: 2435.046+/-373.322 χ^2/NDF:16.1/9

Left: 2271.830+/-258.077 χ^2/NDF: 25.3/21

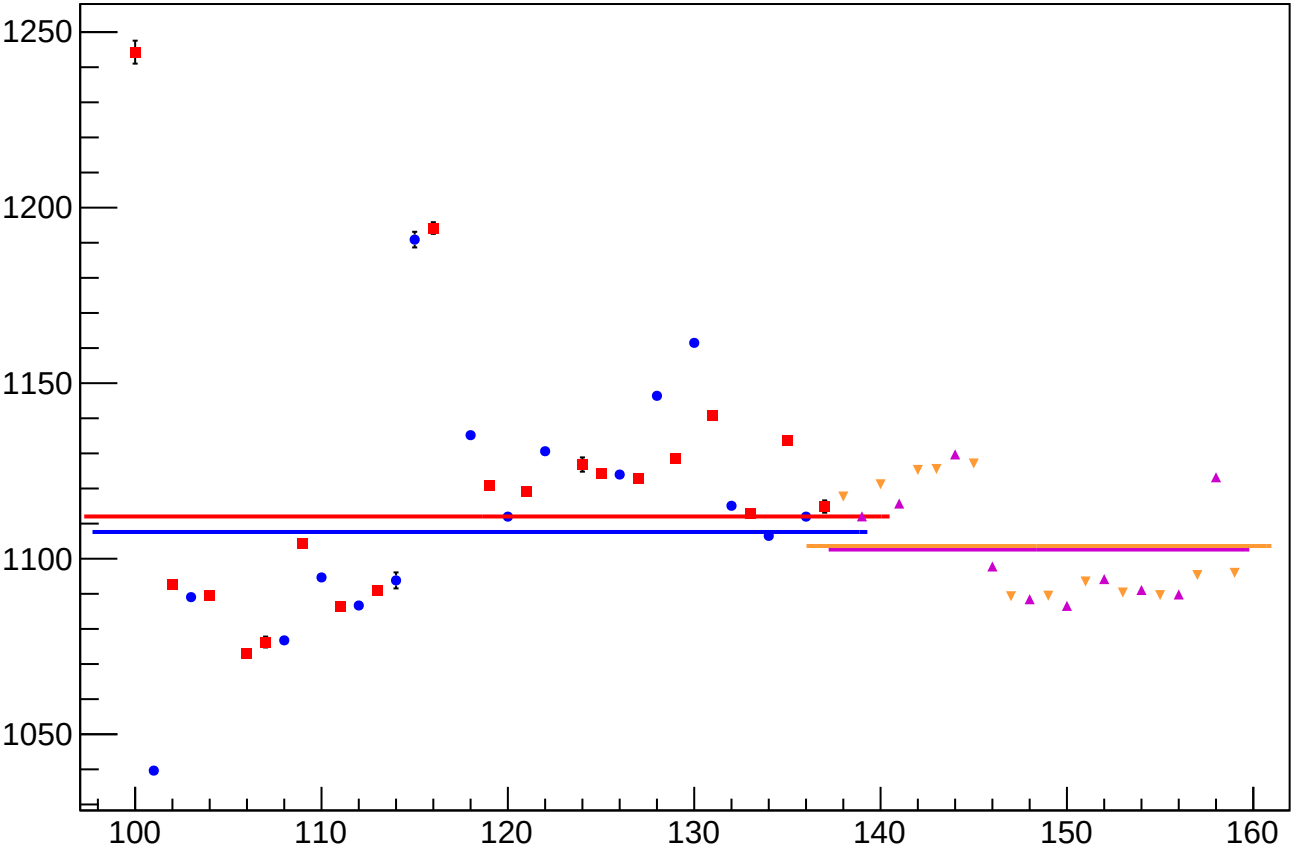
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2584.733+/-276.512 χ^2/NDF:26.8/25

Out: 2115.414+/-268.048 χ^2/NDF:22.2/30

All: 2342.780+/-192.461 χ^2/NDF: 50.4/56

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1103.616+/-0.253 χ^2/NDF:3724.6/11

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

Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

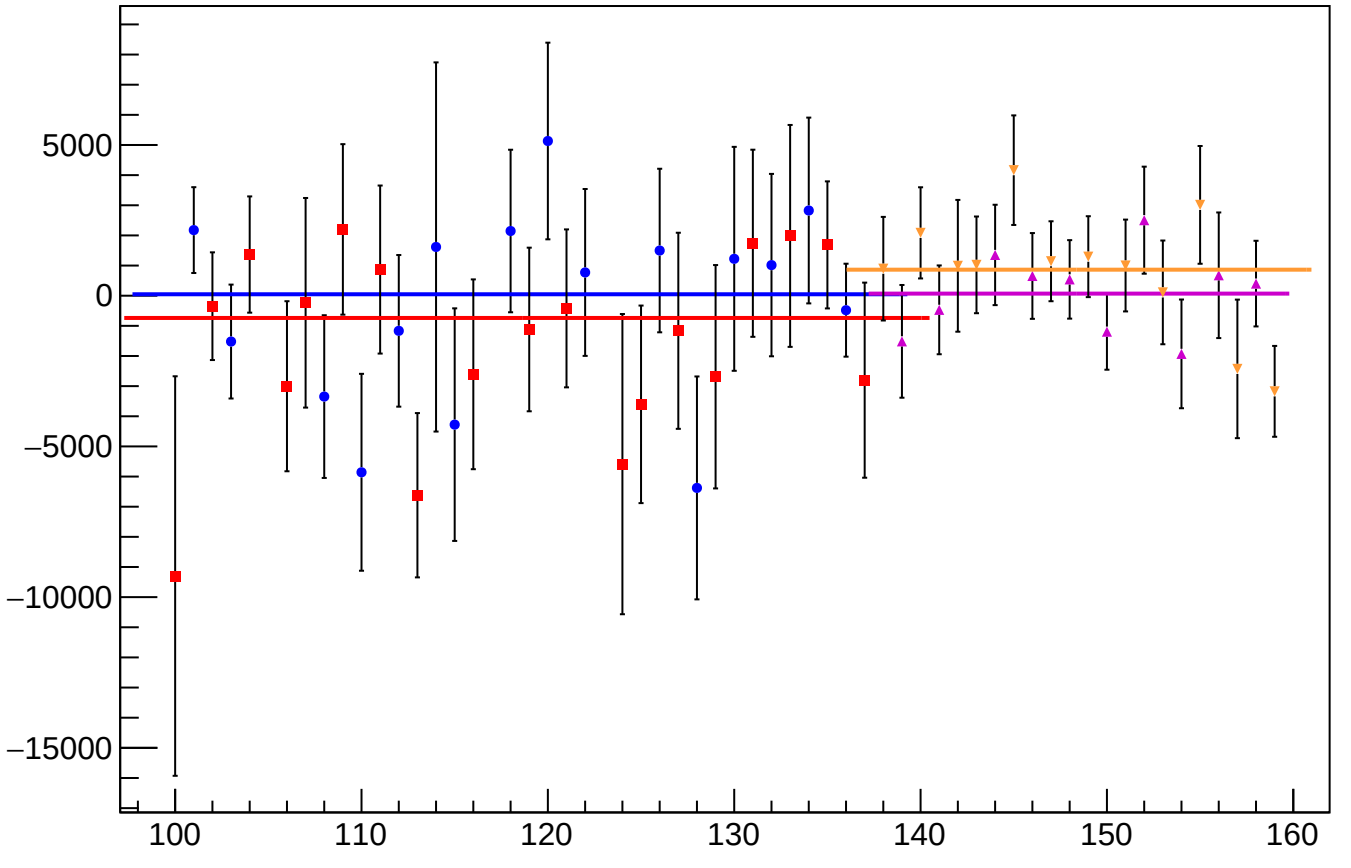
Left: 1103.137+/-0.182 χ^2/NDF: 6964.2/21

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1104.870+/-0.196 χ^2/NDF:16614.7/25

Out: 1107.291+/-0.190 χ^2/NDF:12862.8/30

All: 1106.118+/-0.136 χ^2/NDF: 29556.5/56



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 863.387+/-473.484 χ^2/NDF:14.7/11

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

Left In: 69.355+/-489.739 χ^2/NDF:6.0/9

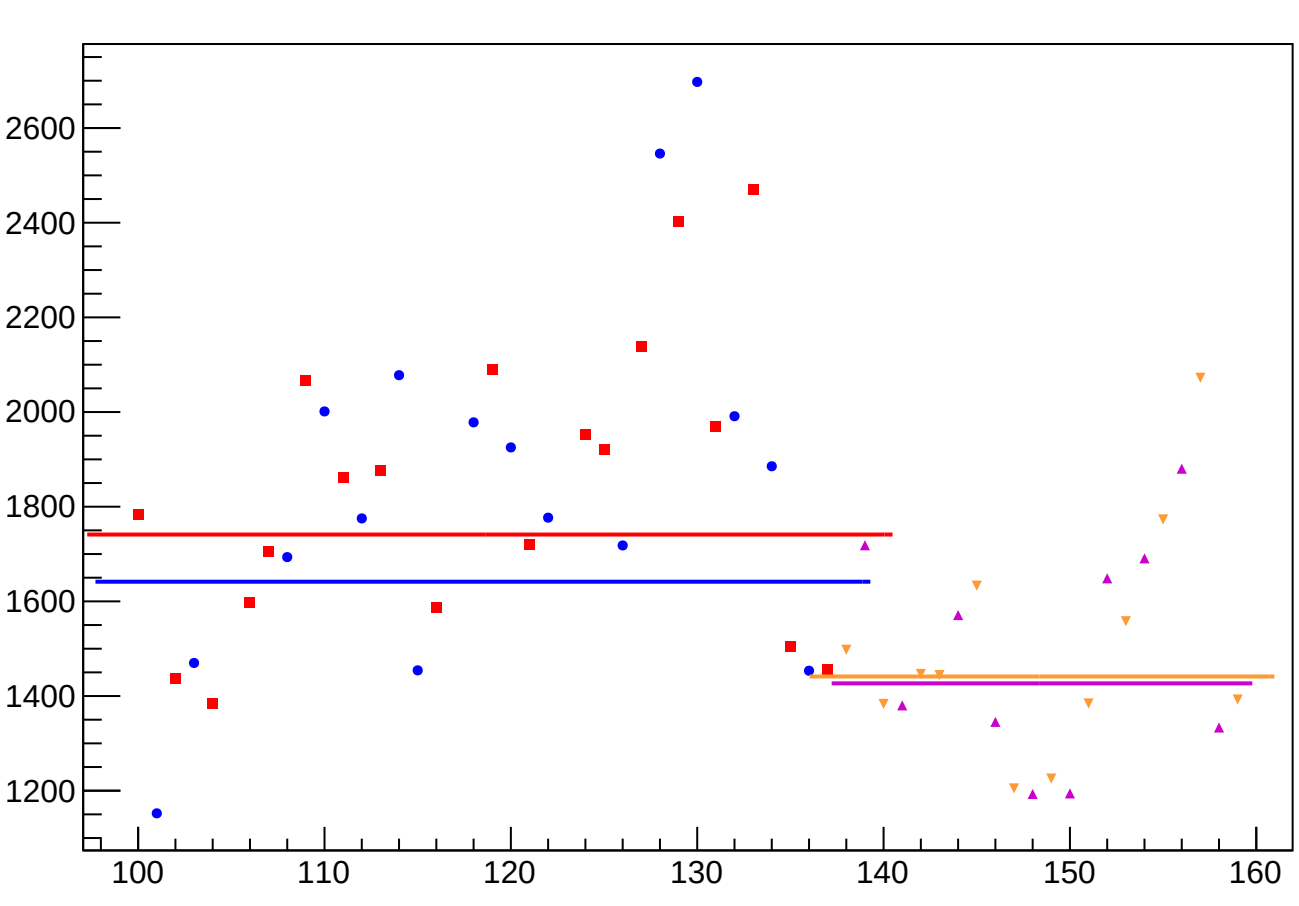
Left: 479.767+/-340.405 χ^2/NDF: 22.1/21

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 61.209+/-386.204 χ^2/NDF:22.9/25

Out: 305.700+/-382.260 χ^2/NDF:33.7/30

All: 184.710+/-271.682 χ^2/NDF: 56.8/56



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1441.254+/-0.335 χ^2/NDF:365220.4/11

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

Left In: 1426.770+/-0.346 χ^2/NDF:382013.5/9

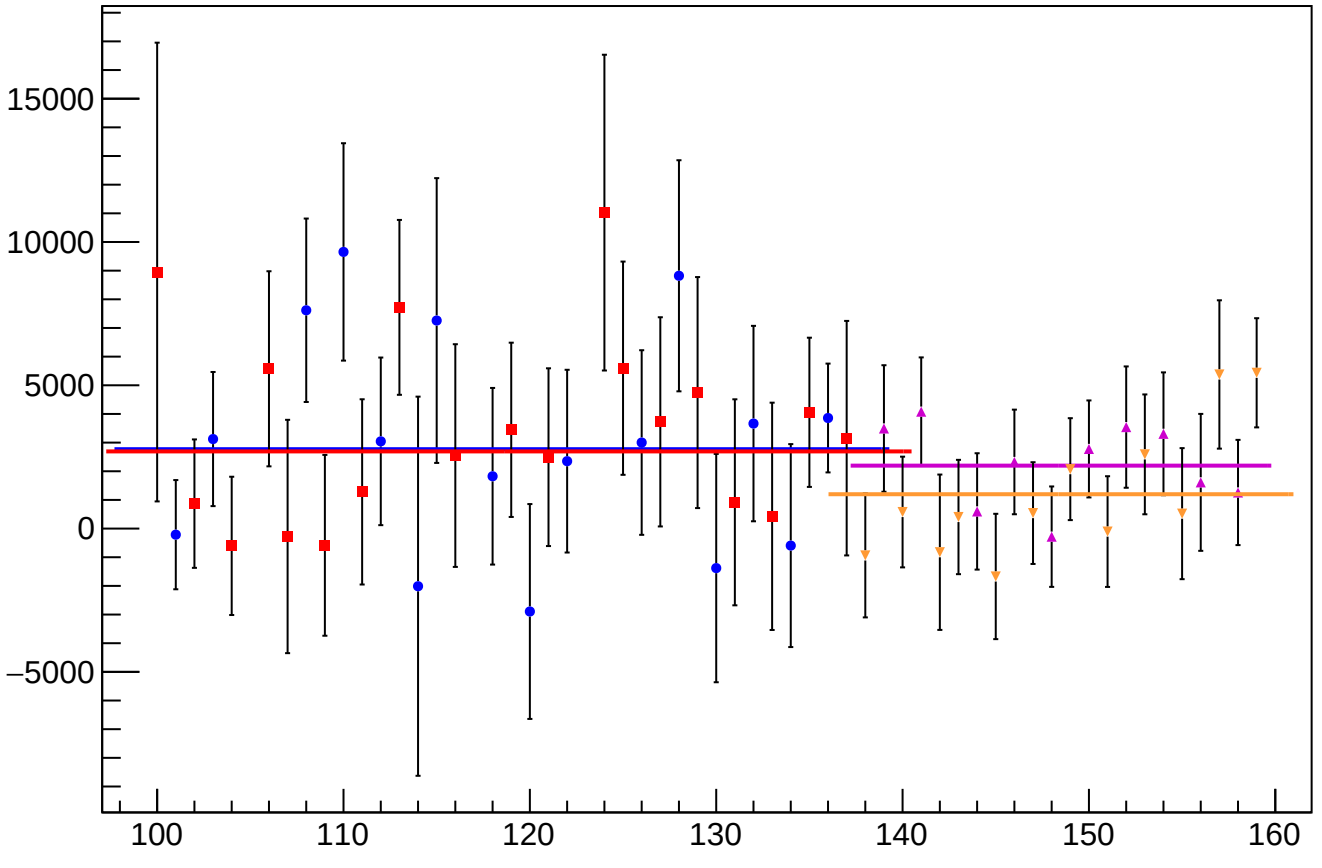
Left: 1434.256+/-0.241 χ^2/NDF: 748138.0/21

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1507.978+/-0.273 χ^2/NDF:1228745.5/25

Out: 1545.698+/-0.270 χ^2/NDF:1083021.3/30

All: 1527.032+/-0.192 χ^2/NDF: 2321403.8/56



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1198.688+/-594.966 χ^2/NDF:12.4/11

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

Left In: 2196.316+/-618.402 χ^2/NDF:5.1/9

Left: 1678.240+/-428.751 χ^2/NDF: 18.9/21

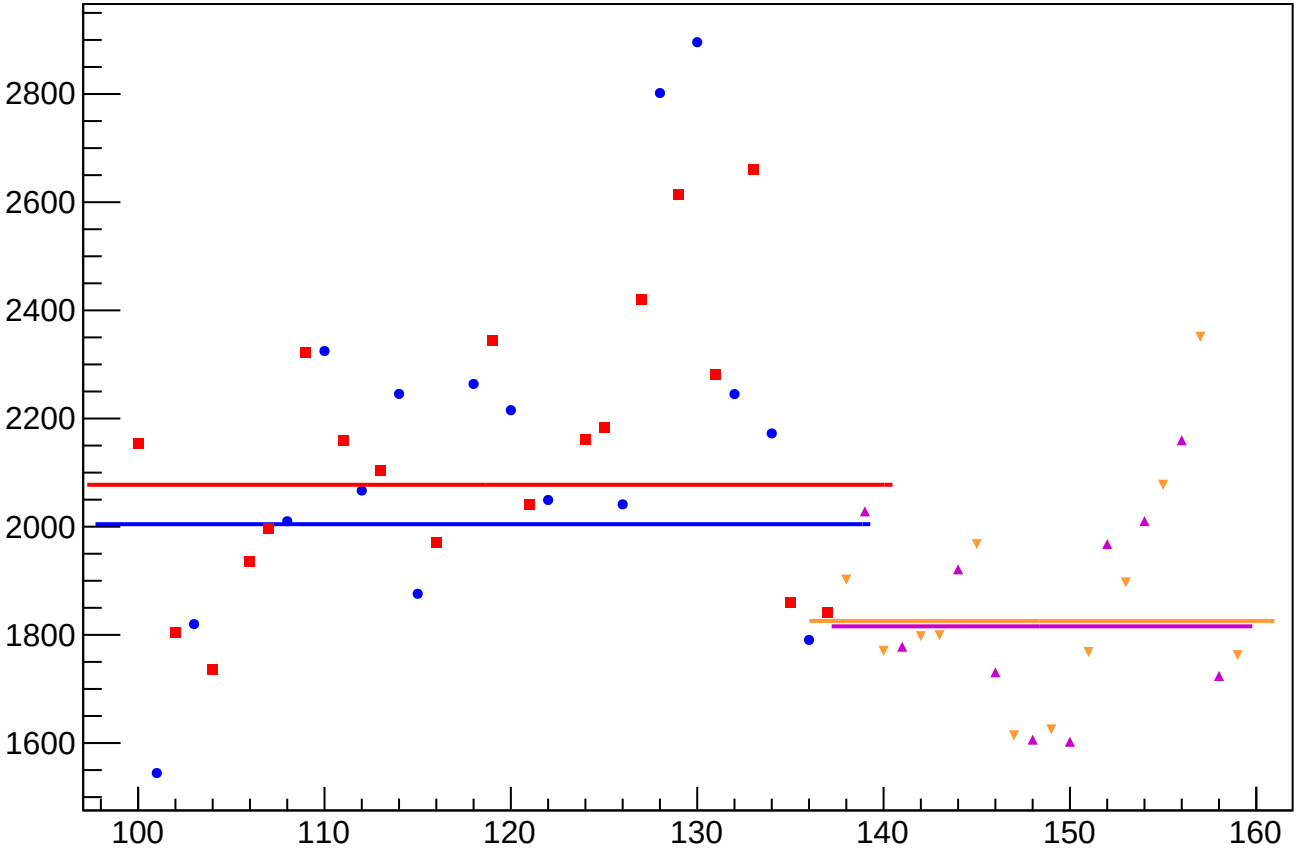
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2425.871+/-478.942 χ^2/NDF:21.9/25

Out: 1761.057+/-469.822 χ^2/NDF:27.3/30

All: 2087.074+/-335.393 χ^2/NDF: 50.2/56

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1825.775+/-0.421 χ^2/NDF:179952.1/11

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1815.745+/-0.437 χ^2/NDF:162805.9/9

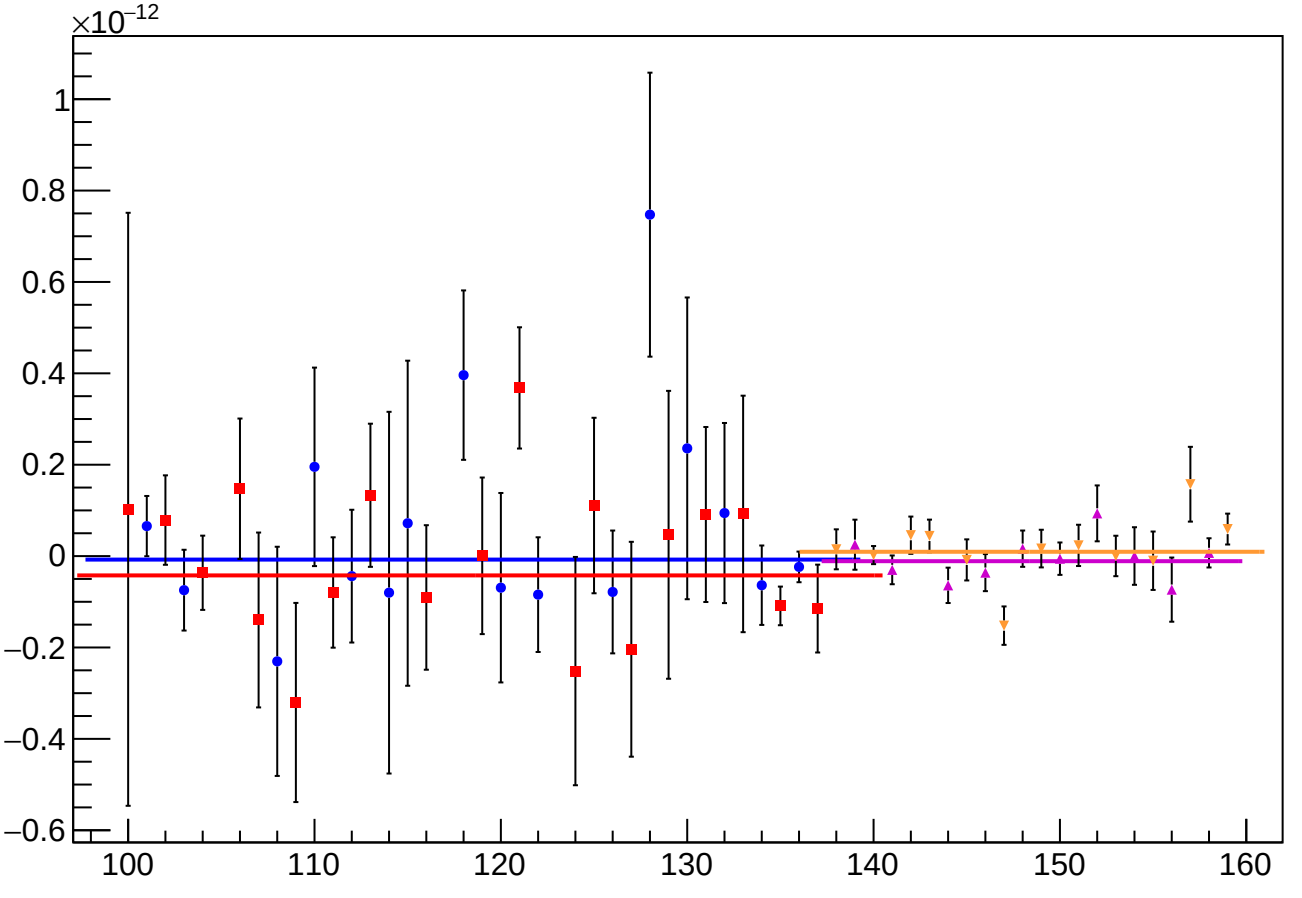
Left: 1820.954+/-0.303 χ^2/NDF: 343031.1/21

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1891.334+/-0.339 χ^2/NDF:625045.0/25

Out: 1920.533+/-0.332 χ^2/NDF:545202.2/30

All: 1906.214+/-0.237 χ^2/NDF: 1174035.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/9

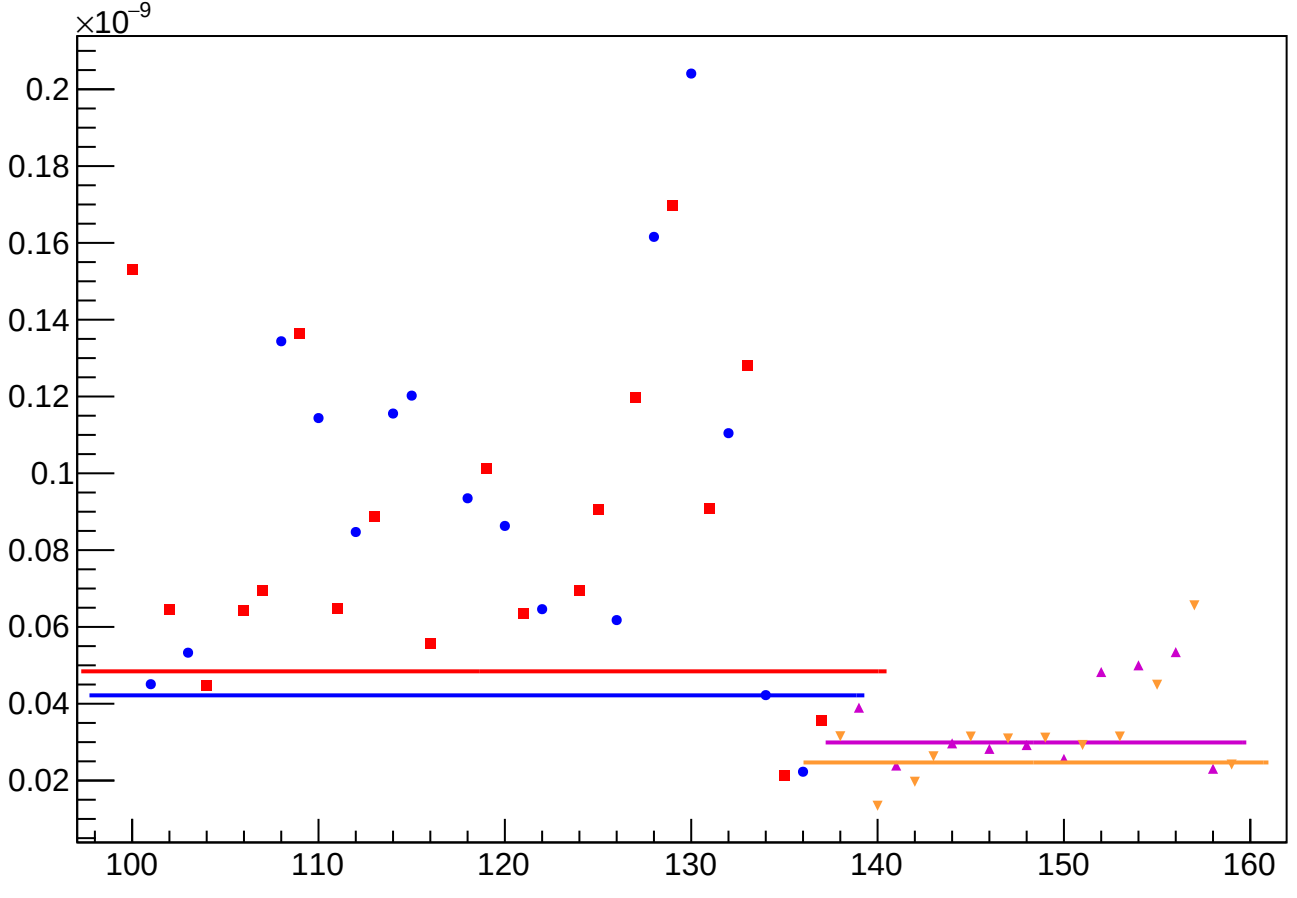
Left: 0.000+/-0.000 χ^2/NDF: 31.6/21

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:24.1/25

Out: 0.000+/-0.000 χ^2/NDF:47.4/30

All: -0.000+/-0.000 χ^2/NDF: 72.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636838.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:860084.0/9

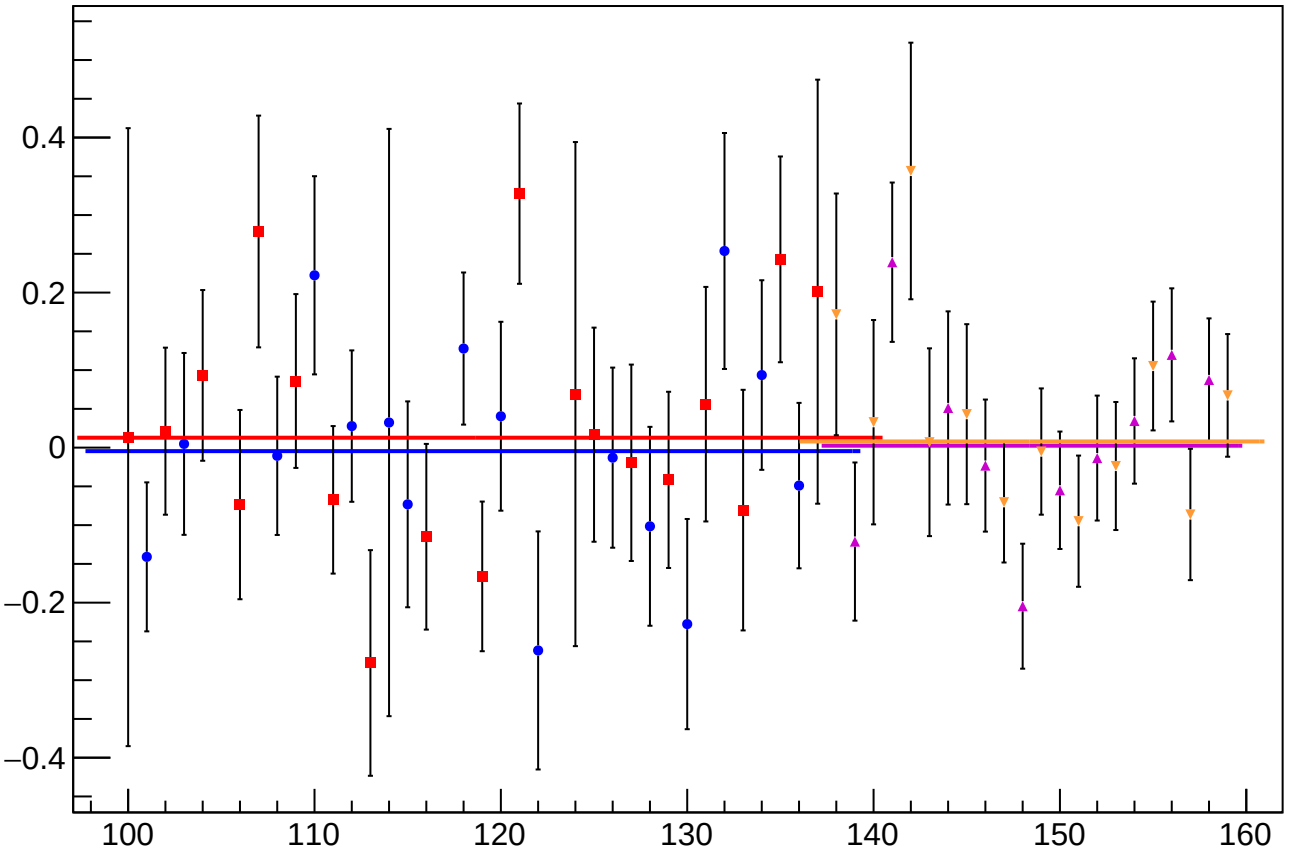
Left: 0.000+/-0.000 χ^2/NDF: 2681902.7/21

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4187702.8/25

Out: 0.000+/-0.000 χ^2/NDF:5567413.7/30

All: 0.000+/-0.000 χ^2/NDF: 9938912.9/56



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

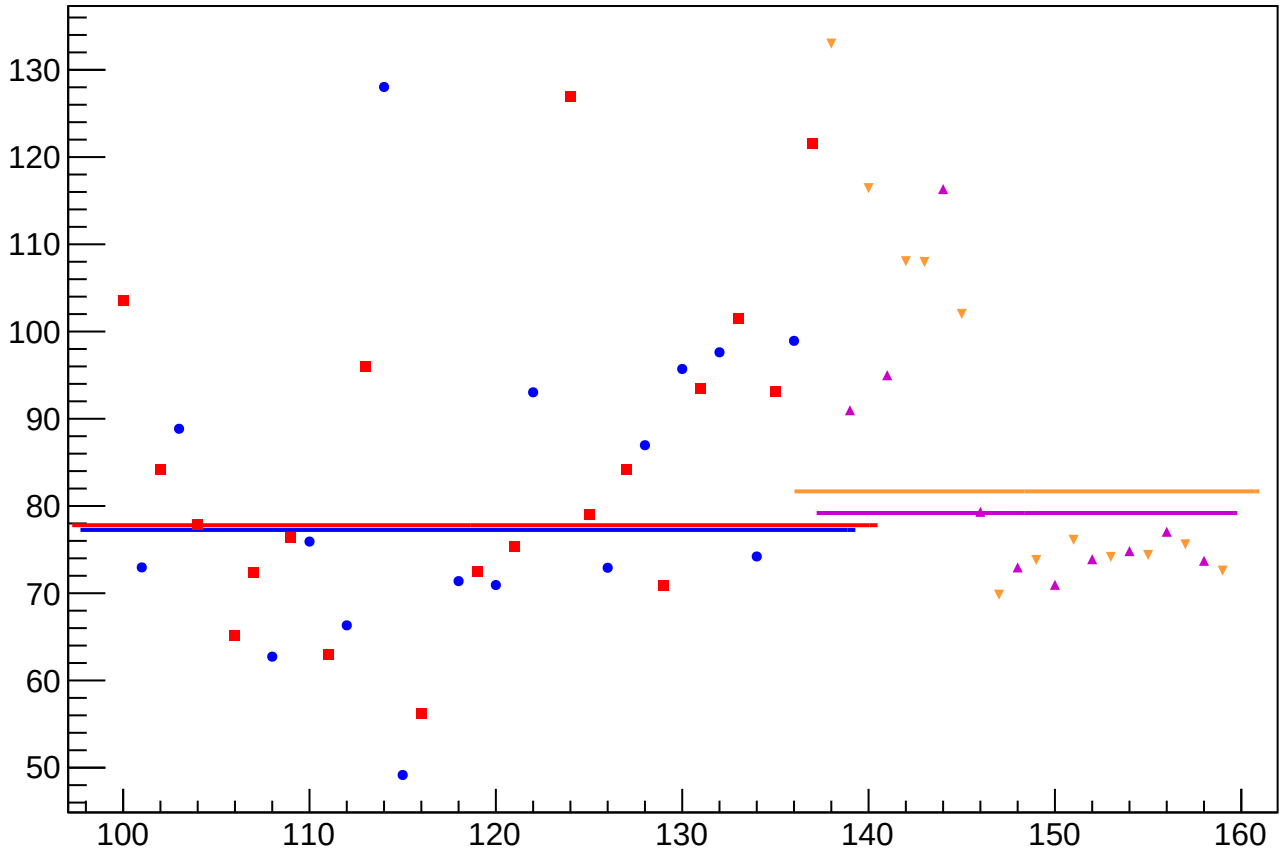
Left: 0.005+/-0.019 χ^2/NDF: 28.9/21

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.010+/-0.020 χ^2/NDF:37.0/30

All: 0.005+/-0.014 χ^2/NDF: 71.9/56



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.675+/-0.019 χ^2/NDF:704714.6/11

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

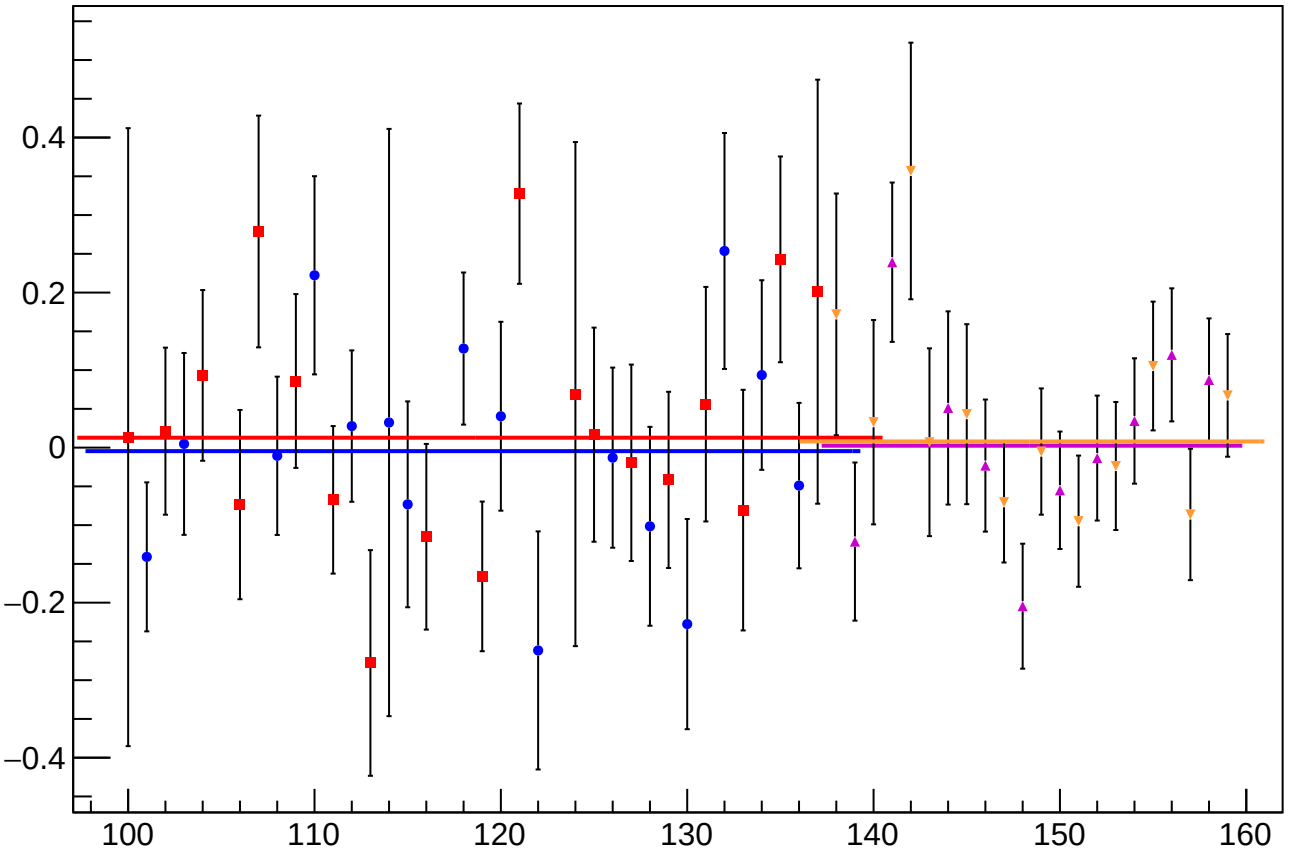
Left: 80.437+/-0.014 χ^2/NDF: 1025194.2/21

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.314+/-0.014 χ^2/NDF:736172.8/25

Out: 79.888+/-0.014 χ^2/NDF:1119556.2/30

All: 79.105+/-0.010 χ^2/NDF: 1861779.7/56



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

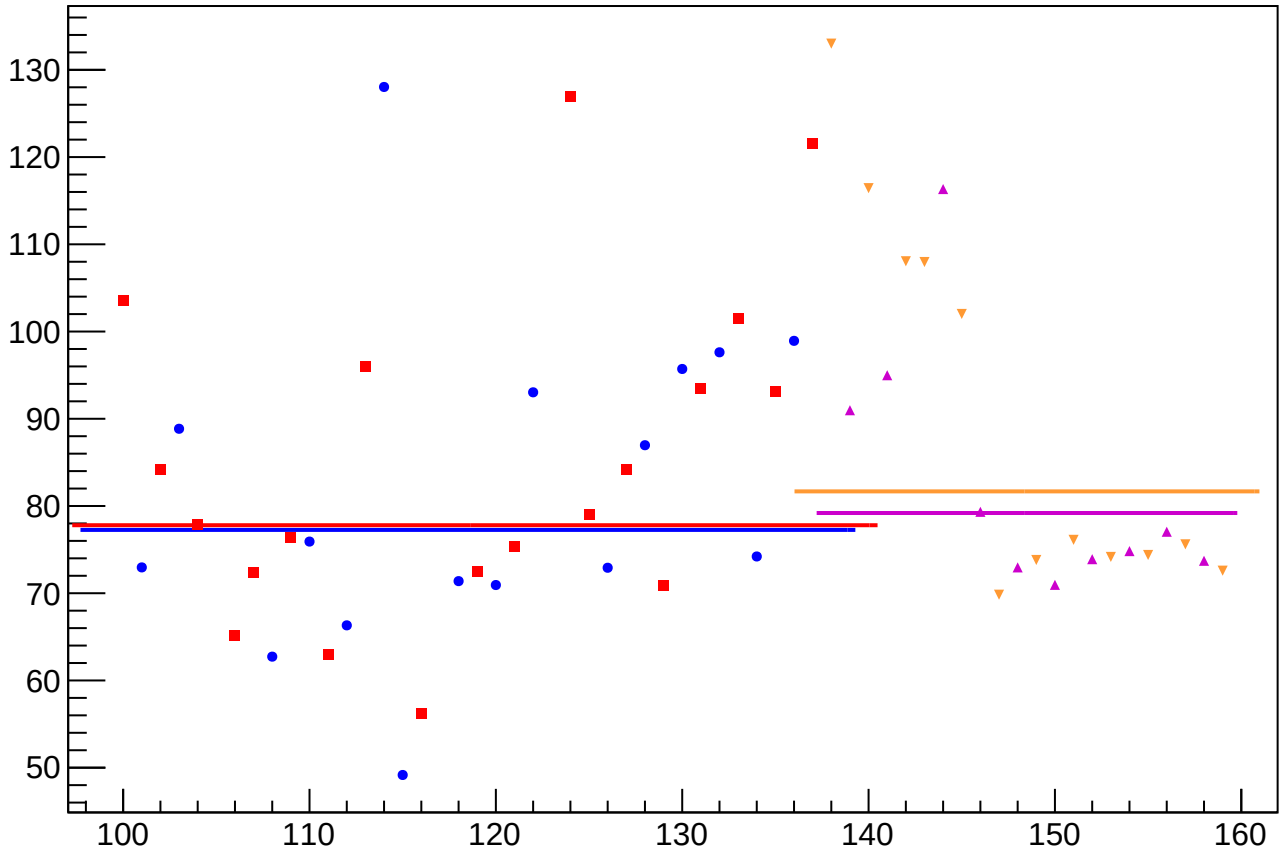
Left: 0.005+/-0.019 χ^2/NDF: 28.9/21

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.010+/-0.020 χ^2/NDF:37.0/30

All: 0.005+/-0.014 χ^2/NDF: 71.9/56



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.675+/-0.019 χ^2/NDF:704714.6/11

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

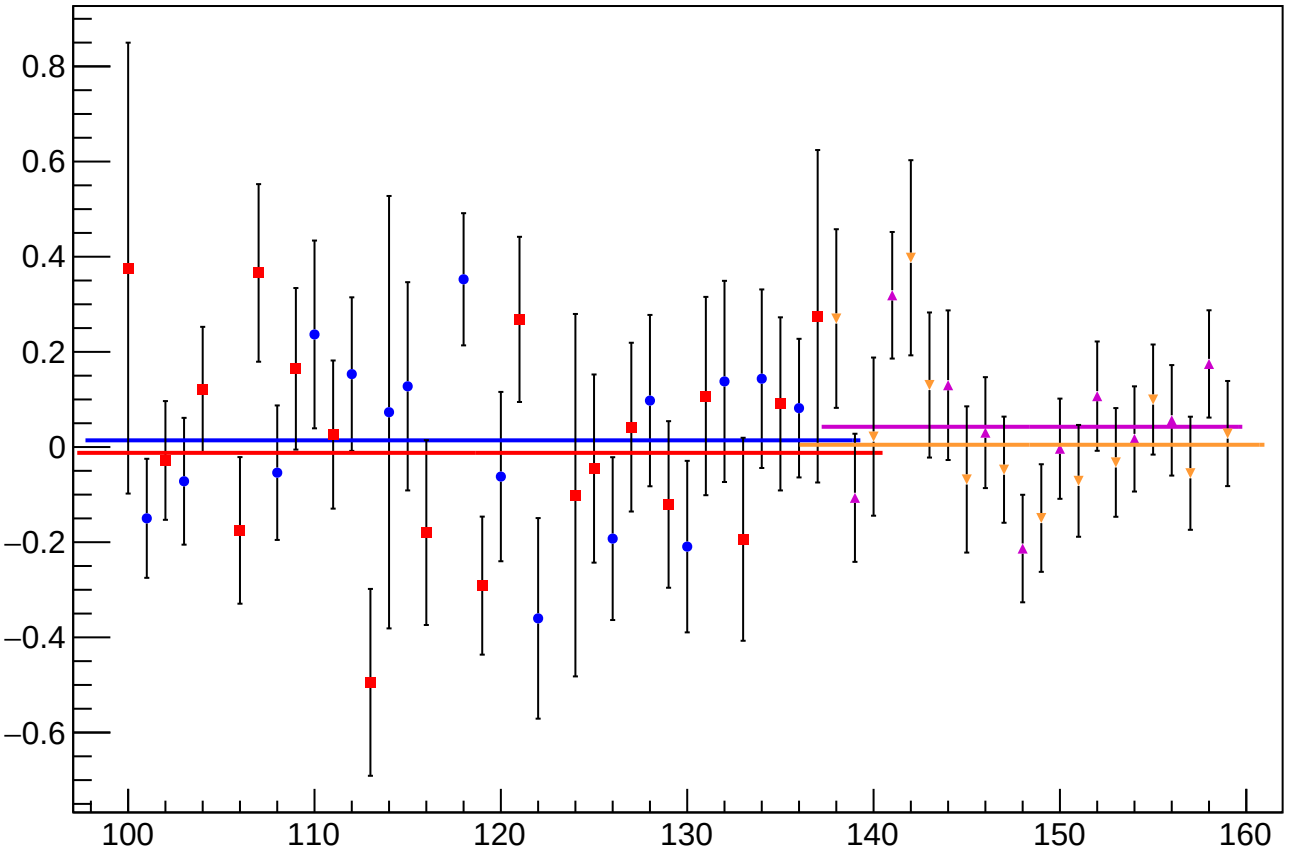
Left: 80.437+/-0.014 χ^2/NDF: 1025194.2/21

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.314+/-0.014 χ^2/NDF:736172.8/25

Out: 79.888+/-0.014 χ^2/NDF:1119556.2/30

All: 79.105+/-0.010 χ^2/NDF: 1861779.7/56



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.005+/-0.038 χ^2/NDF:10.2/11

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.043+/-0.038 χ^2/NDF:12.9/9

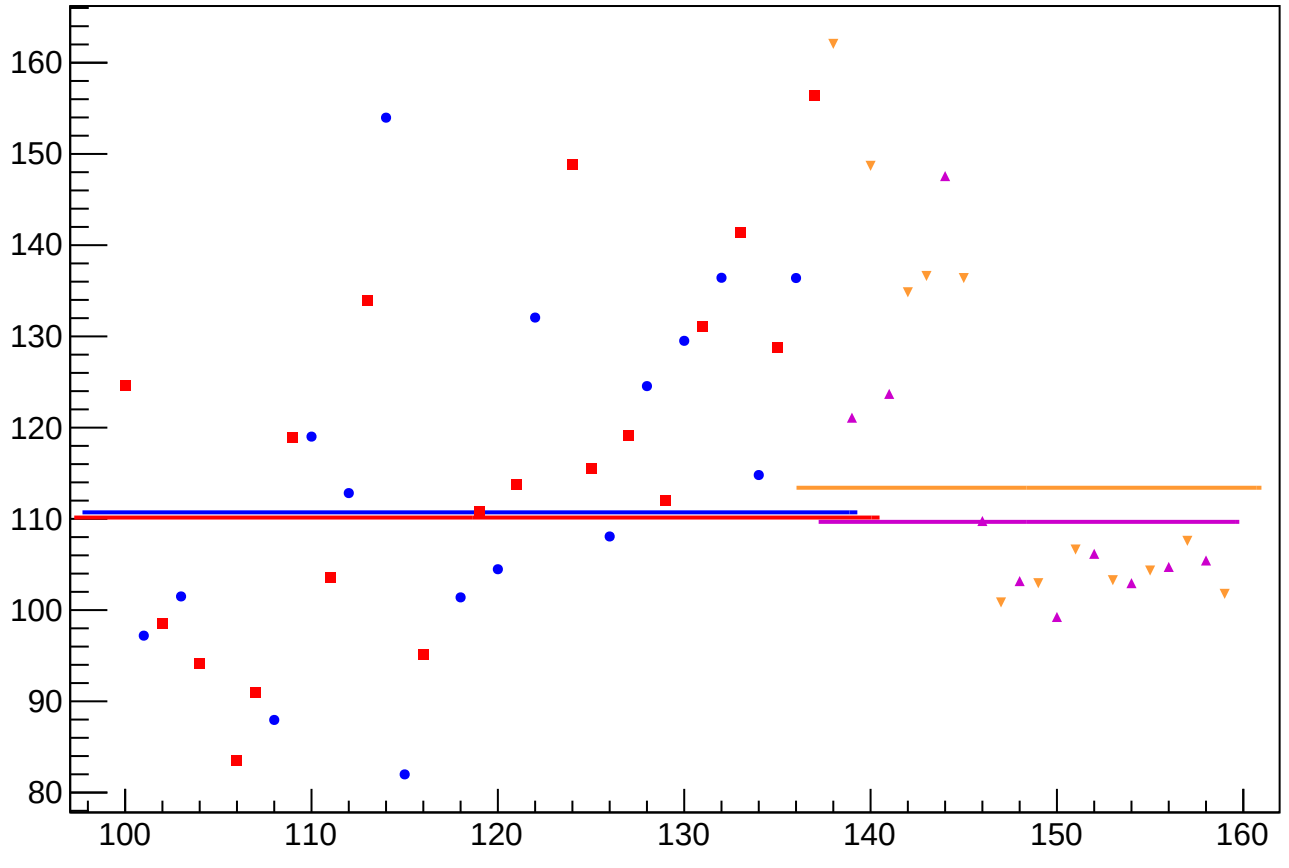
Left: 0.024+/-0.027 χ^2/NDF: 23.6/21

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.028 χ^2/NDF:31.4/25

Out: -0.003+/-0.028 χ^2/NDF:34.0/30

All: 0.013+/-0.020 χ^2/NDF: 66.1/56



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.411+/-0.027 χ^2/NDF:441606.5/11

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.672+/-0.027 χ^2/NDF:194748.4/9

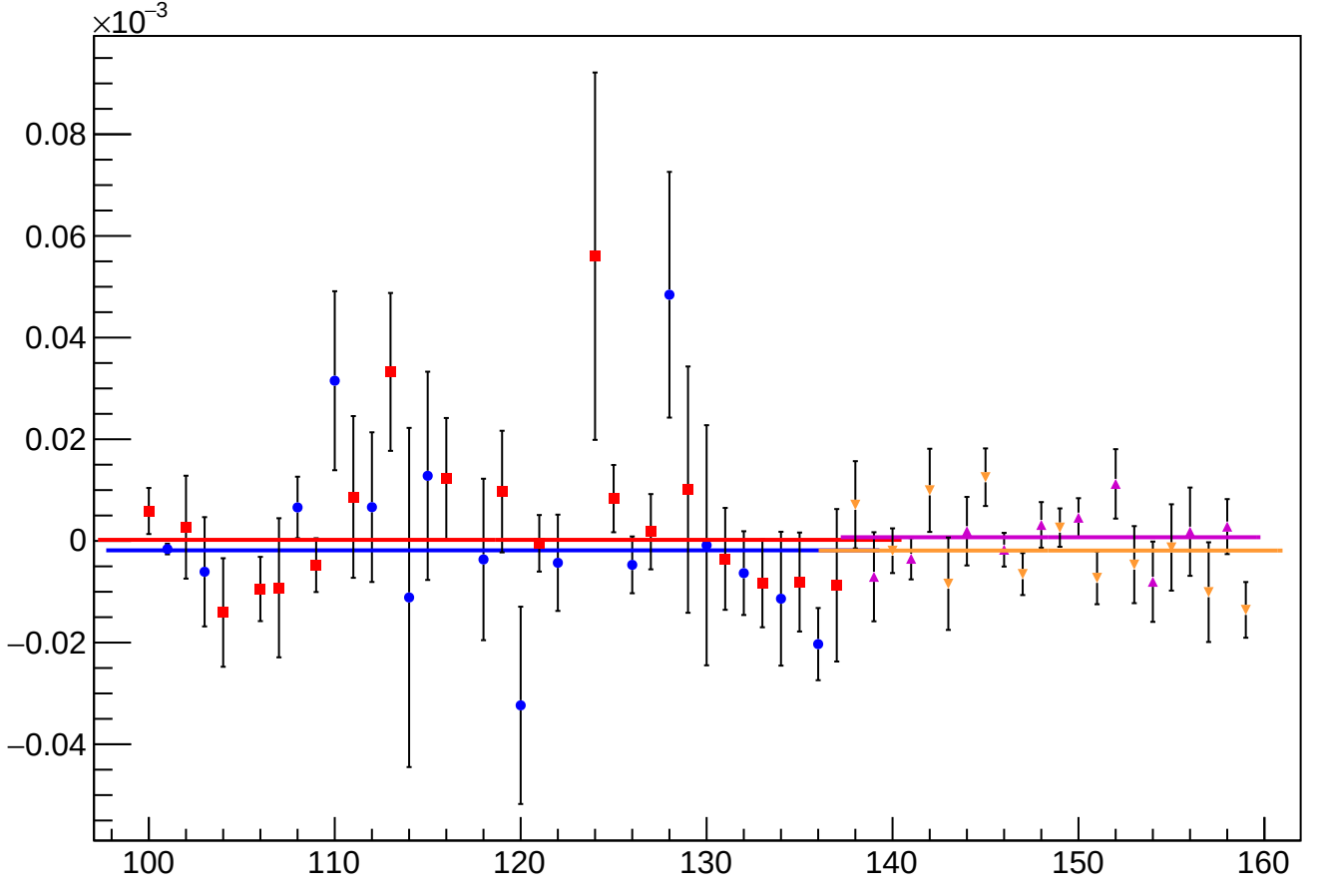
Left: 111.547+/-0.019 χ^2/NDF: 646231.7/21

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 110.134+/-0.020 χ^2/NDF:495398.9/25

Out: 111.933+/-0.020 χ^2/NDF:775175.8/30

All: 111.044+/-0.014 χ^2/NDF: 1274715.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/9

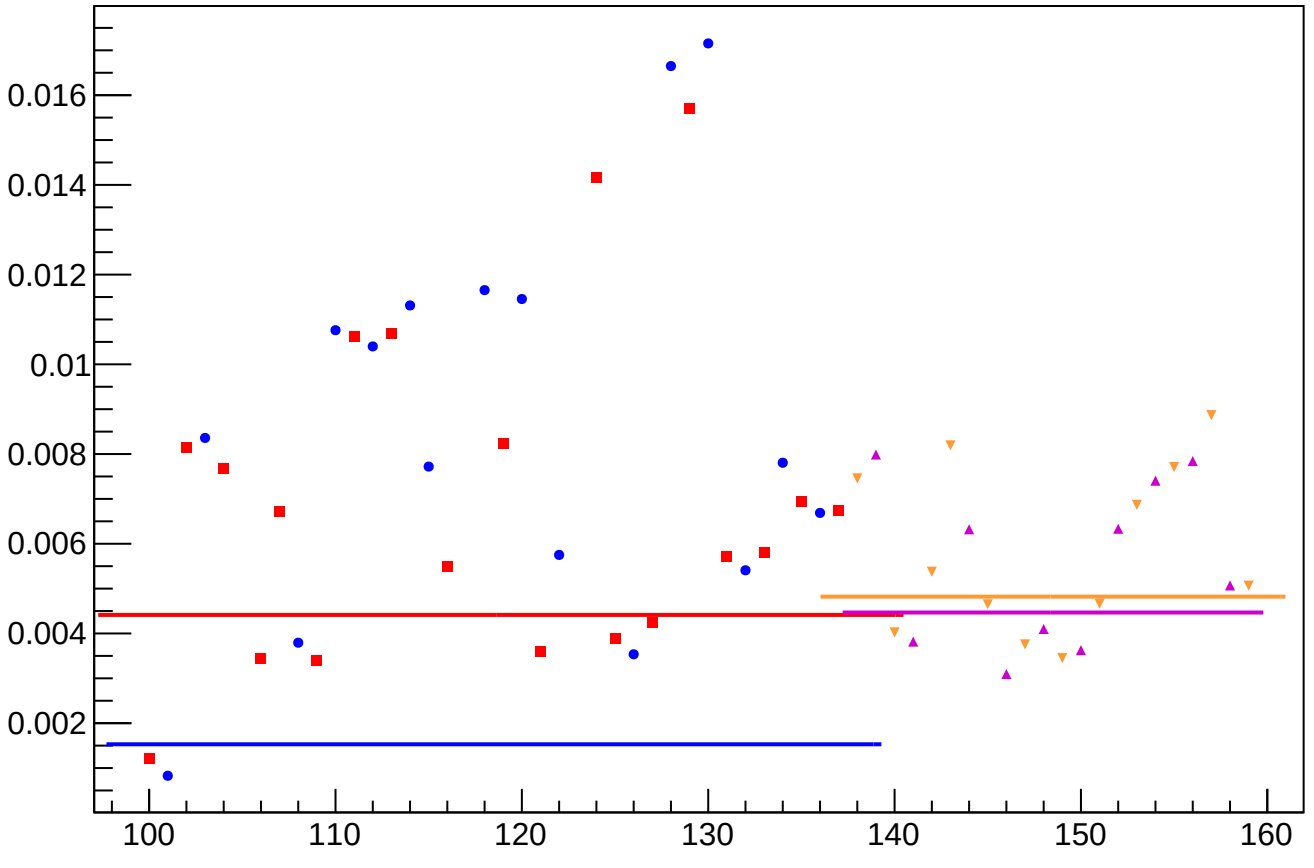
Left: -0.000+/-0.000 χ^2/NDF: 28.1/21

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:30.8/25

Out: -0.000+/-0.000 χ^2/NDF:39.9/30

All: -0.000+/-0.000 χ^2/NDF: 70.7/56



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1660698.7/11

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1731152.6/9

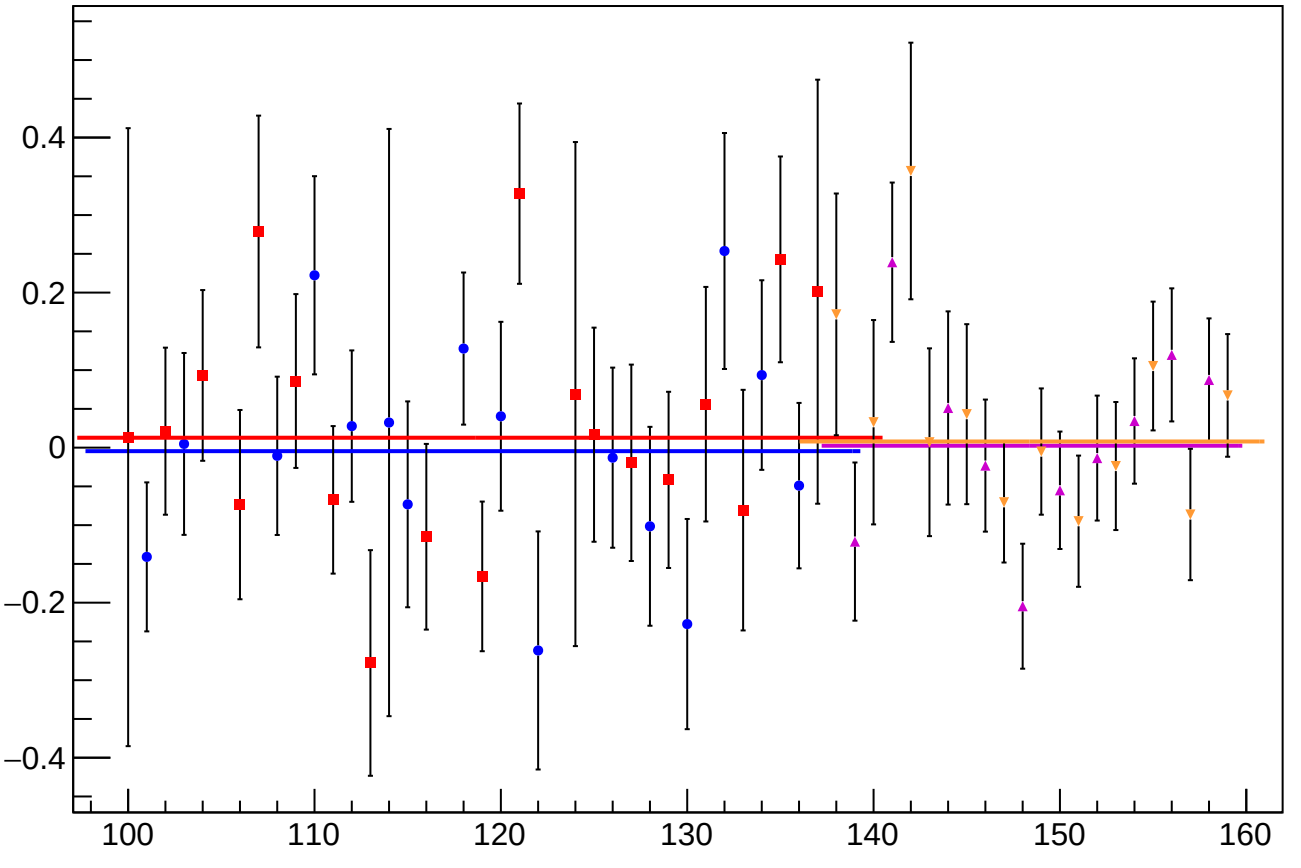
Left: 0.005+/-0.000 χ^2/NDF: 3438852.7/21

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:15862554.1/25

Out: 0.005+/-0.000 χ^2/NDF:5100152.9/30

All: 0.003+/-0.000 χ^2/NDF: 25736435.0/56



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

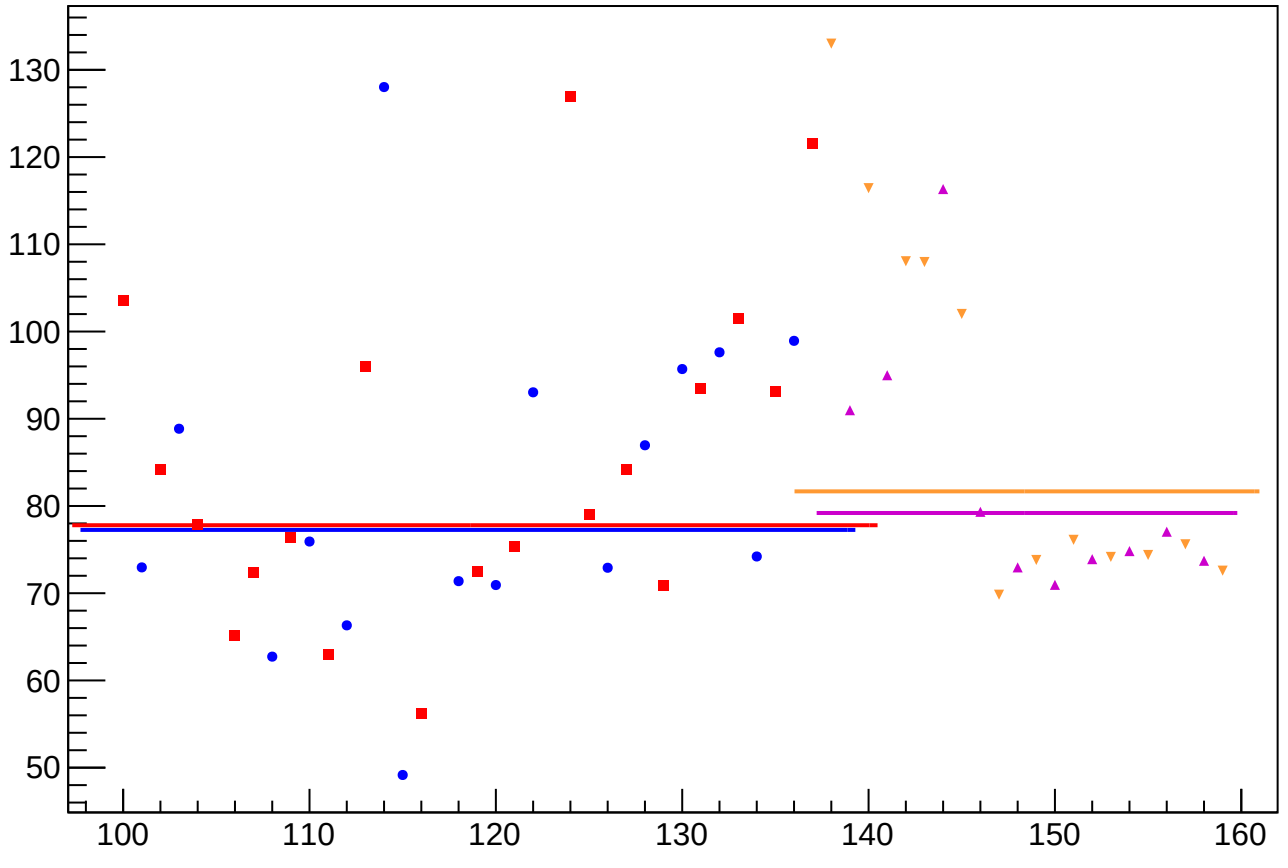
Left: 0.005+/-0.019 χ^2/NDF: 28.9/21

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.010+/-0.020 χ^2/NDF:37.0/30

All: 0.005+/-0.014 χ^2/NDF: 71.9/56



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.676+/-0.019 χ^2/NDF:704714.2/11

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

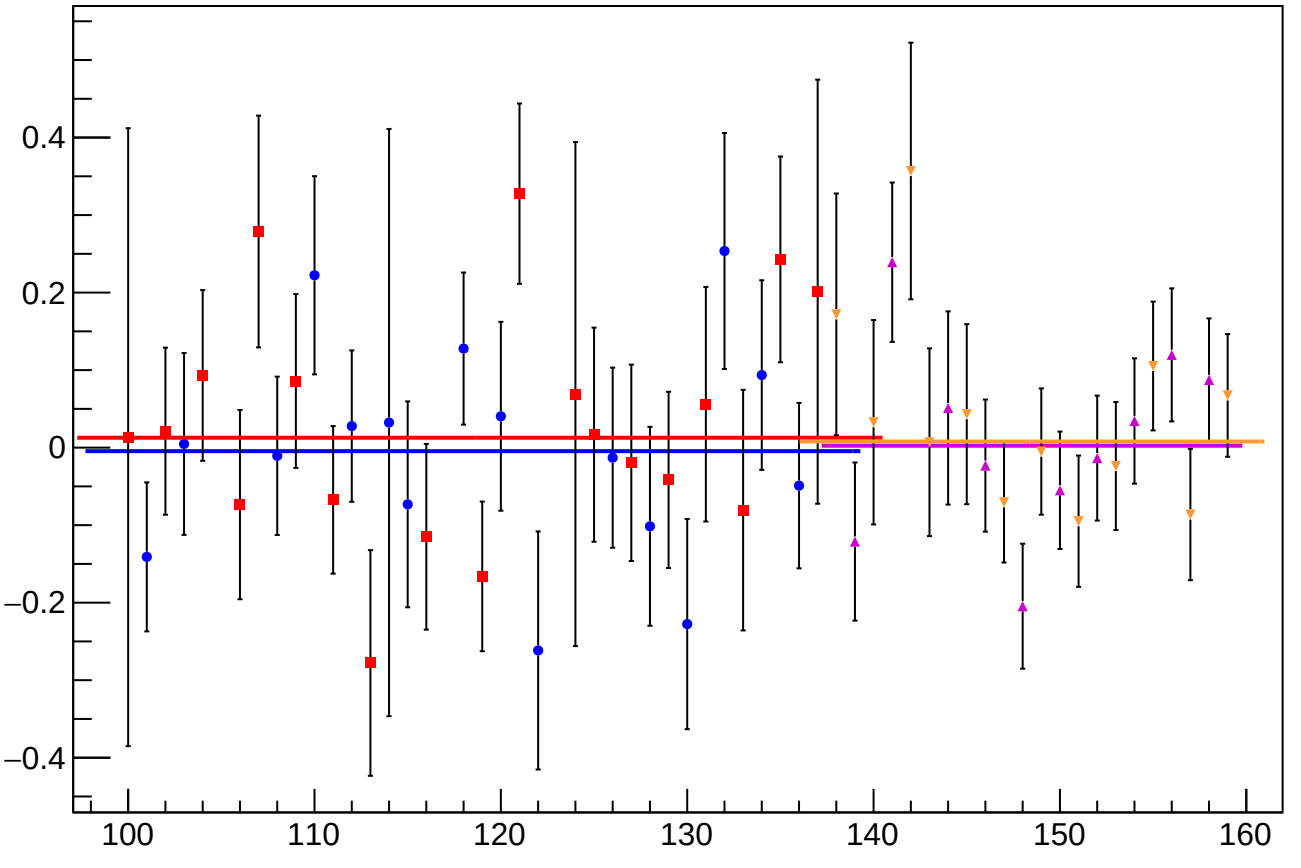
Left: 80.437+/-0.014 χ^2/NDF: 1025196.7/21

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.313+/-0.014 χ^2/NDF:736171.0/25

Out: 79.887+/-0.014 χ^2/NDF:1119571.9/30

All: 79.104+/-0.010 χ^2/NDF: 1861793.7/56



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

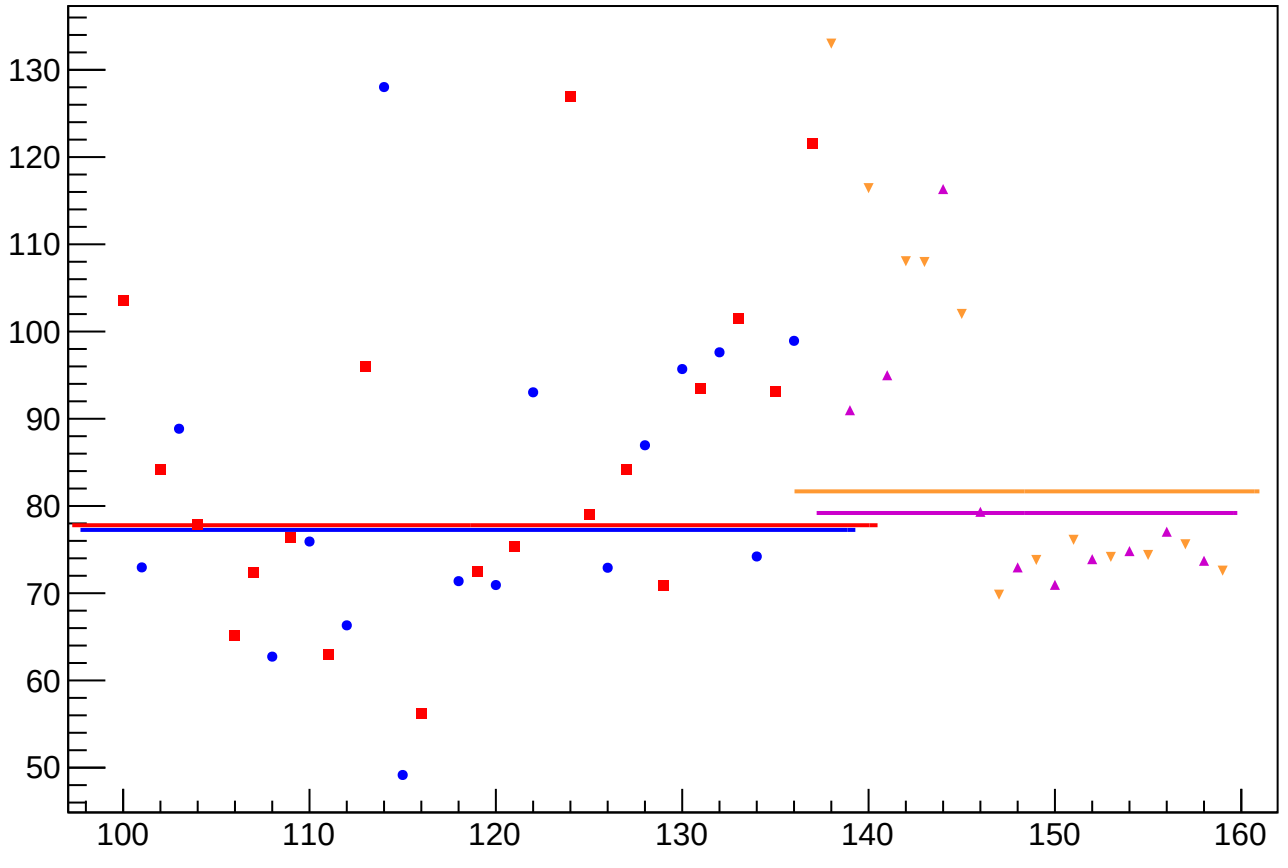
Left: 0.005+/-0.019 χ^2/NDF: 28.9/21

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.010+/-0.020 χ^2/NDF:37.0/30

All: 0.005+/-0.014 χ^2/NDF: 71.9/56



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.676+/-0.019 χ^2/NDF:704714.2/11

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

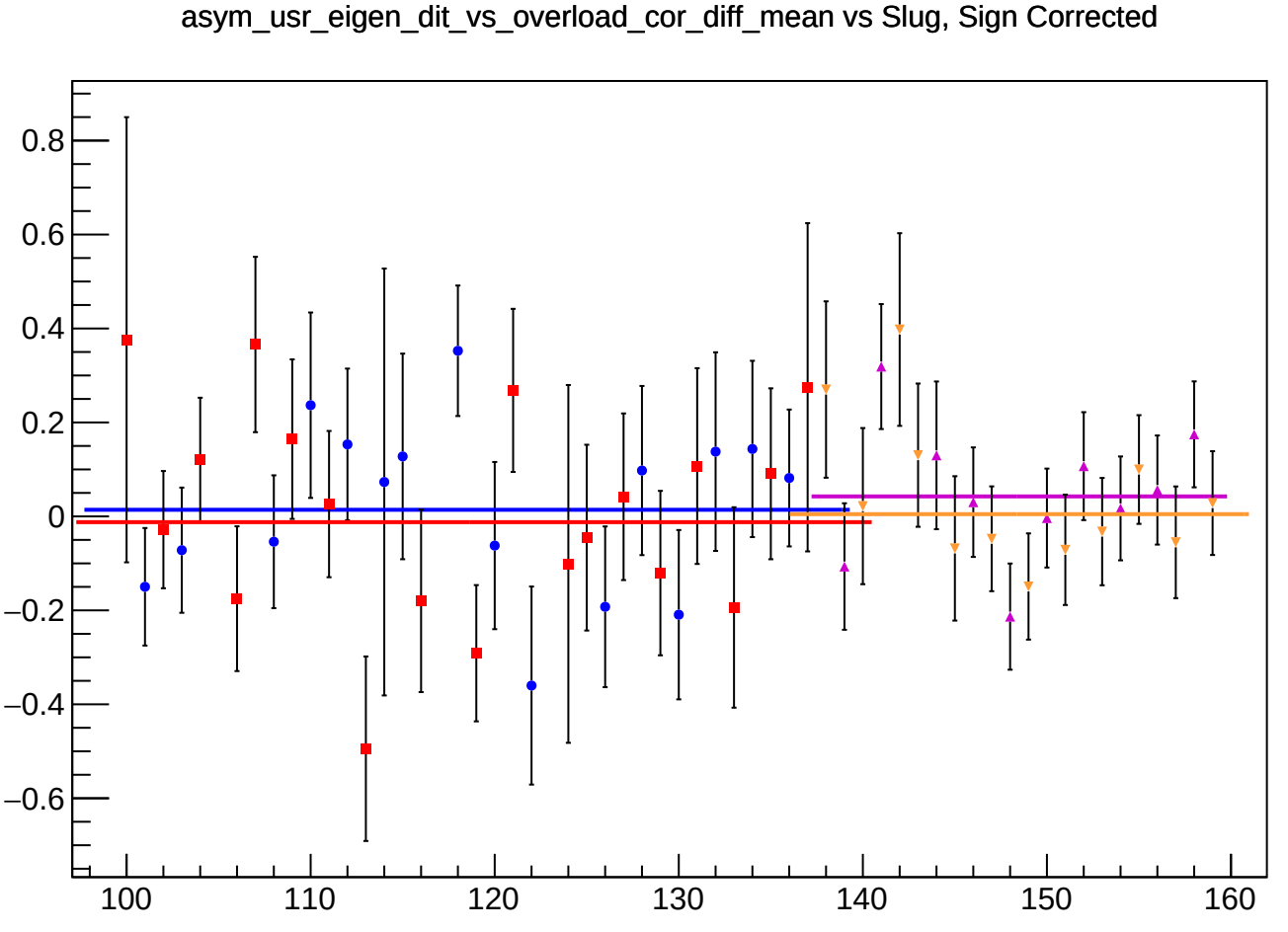
Left: 80.437+/-0.014 χ^2/NDF: 1025196.7/21

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.313+/-0.014 χ^2/NDF:736171.0/25

Out: 79.887+/-0.014 χ^2/NDF:1119571.9/30

All: 79.104+/-0.010 χ^2/NDF: 1861793.7/56



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.005+/-0.038 χ^2/NDF:10.2/11

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.043+/-0.038 χ^2/NDF:12.9/9

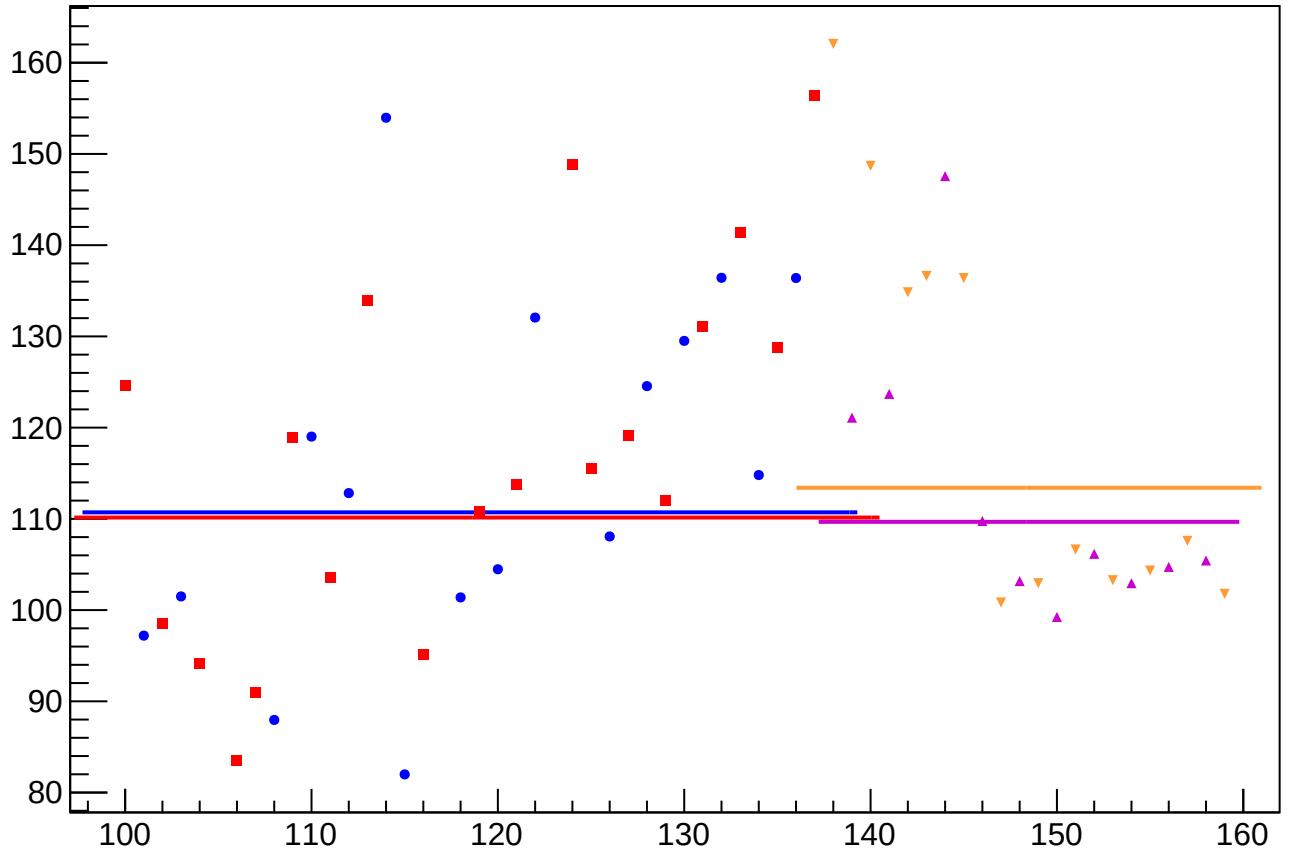
Left: 0.024+/-0.027 χ^2/NDF: 23.6/21

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.028 χ^2/NDF:31.4/25

Out: -0.003+/-0.028 χ^2/NDF:34.0/30

All: 0.013+/-0.020 χ^2/NDF: 66.1/56



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.411+/-0.027 χ^2/NDF:441604.8/11

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.672+/-0.027 χ^2/NDF:194750.7/9

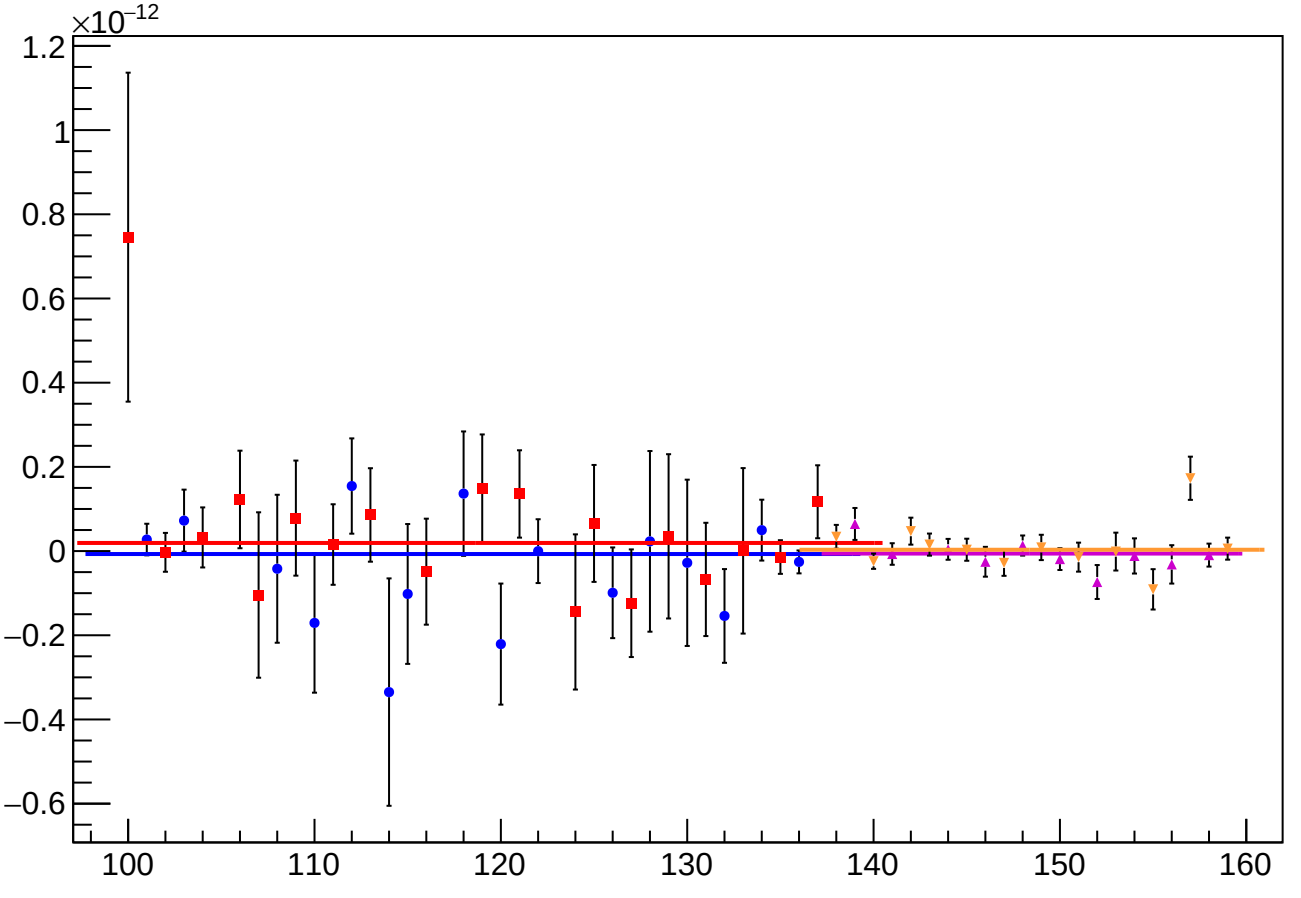
Left: 111.547+/-0.019 χ^2/NDF: 646232.5/21

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 110.133+/-0.020 χ^2/NDF:495375.1/25

Out: 111.932+/-0.020 χ^2/NDF:775149.0/30

All: 111.044+/-0.014 χ^2/NDF: 1274664.9/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

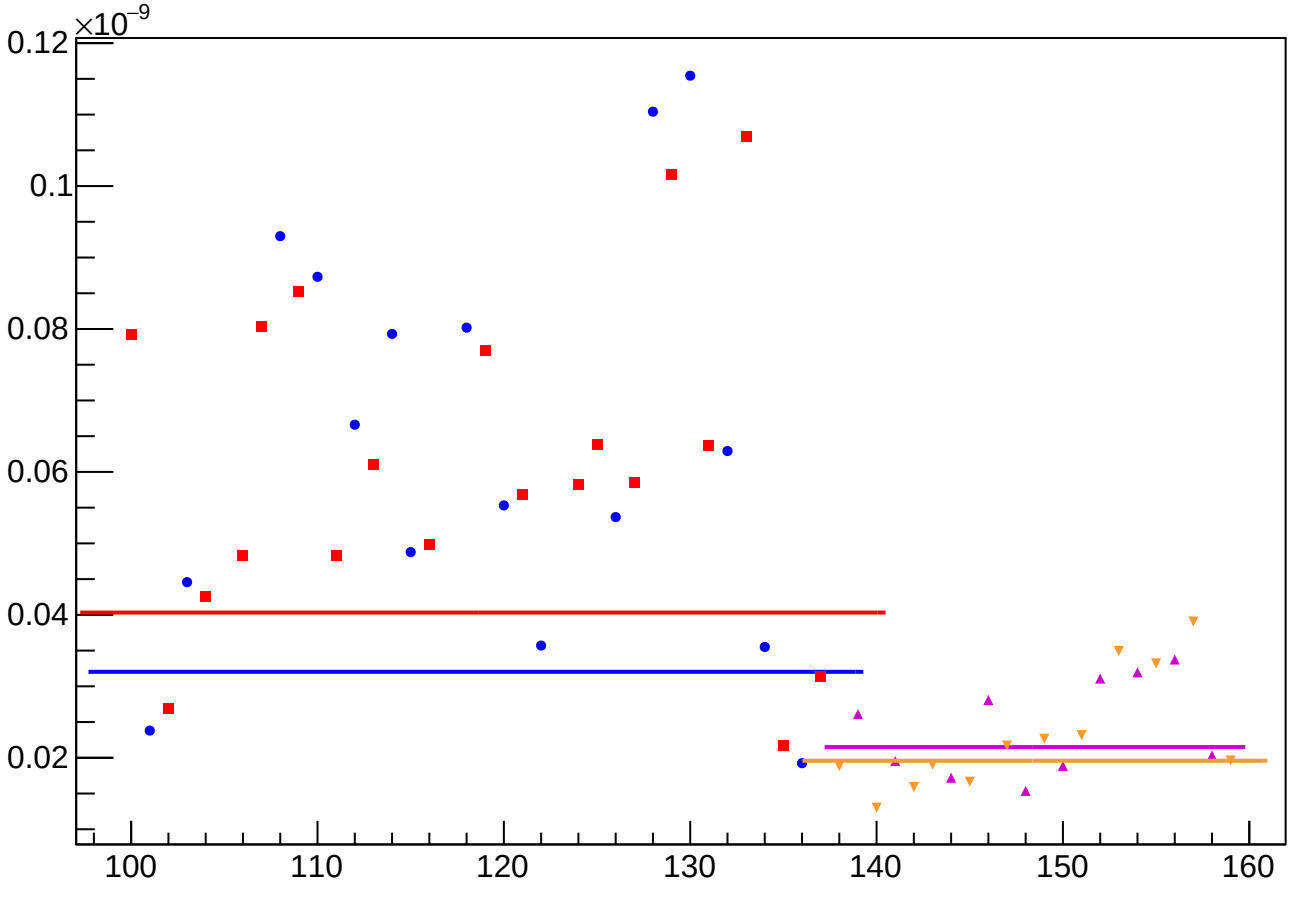
Left: -0.000+/-0.000 χ^2/NDF: 30.2/21

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:21.6/25

Out: 0.000+/-0.000 χ^2/NDF:34.8/30

All: 0.000+/-0.000 χ^2/NDF: 57.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1051092.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:709559.1/9

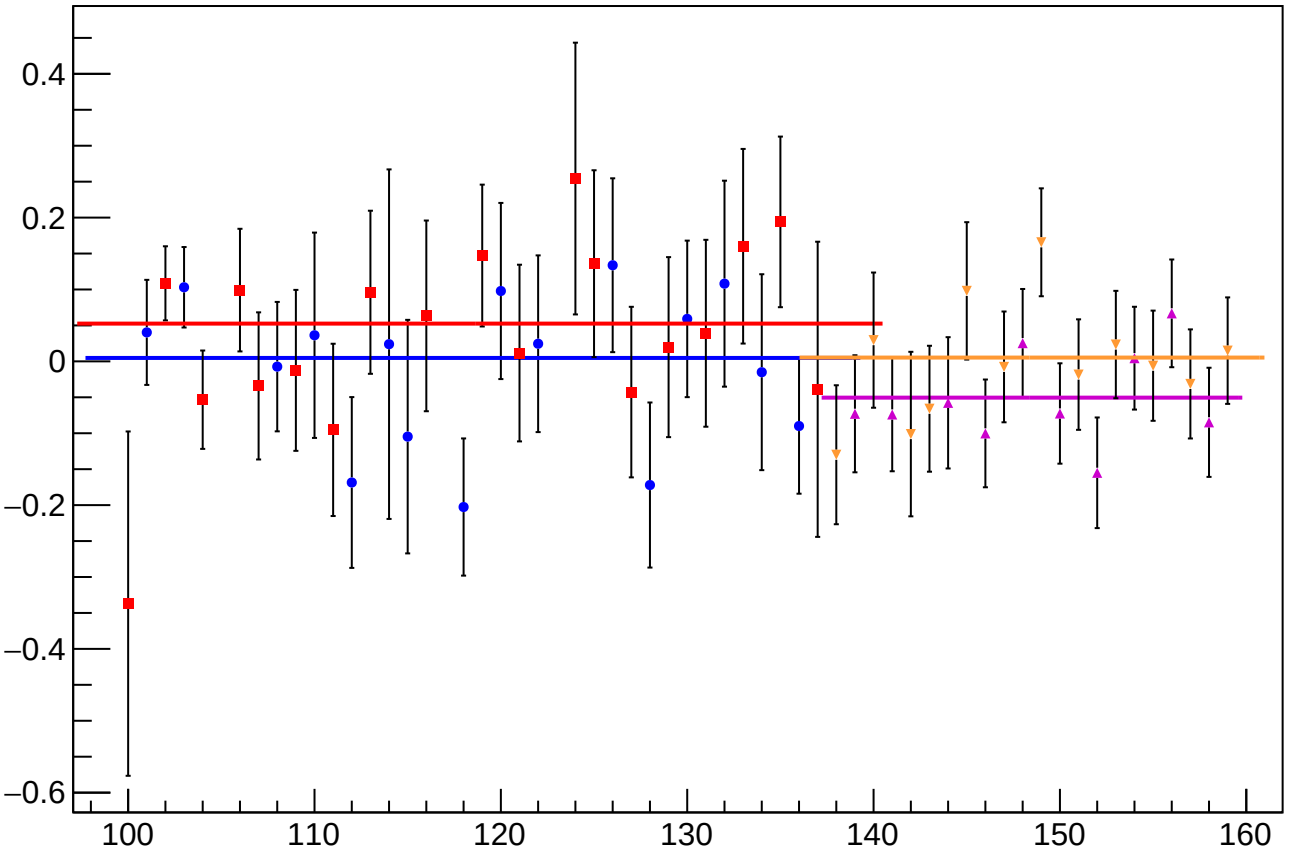
Left: 0.000+/-0.000 χ^2/NDF: 1805427.5/21

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3705915.0/25

Out: 0.000+/-0.000 χ^2/NDF:4578149.7/30

All: 0.000+/-0.000 χ^2/NDF: 8312807.0/56



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.024 χ^2/NDF:9.5/11

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.050+/-0.024 χ^2/NDF:6.8/9

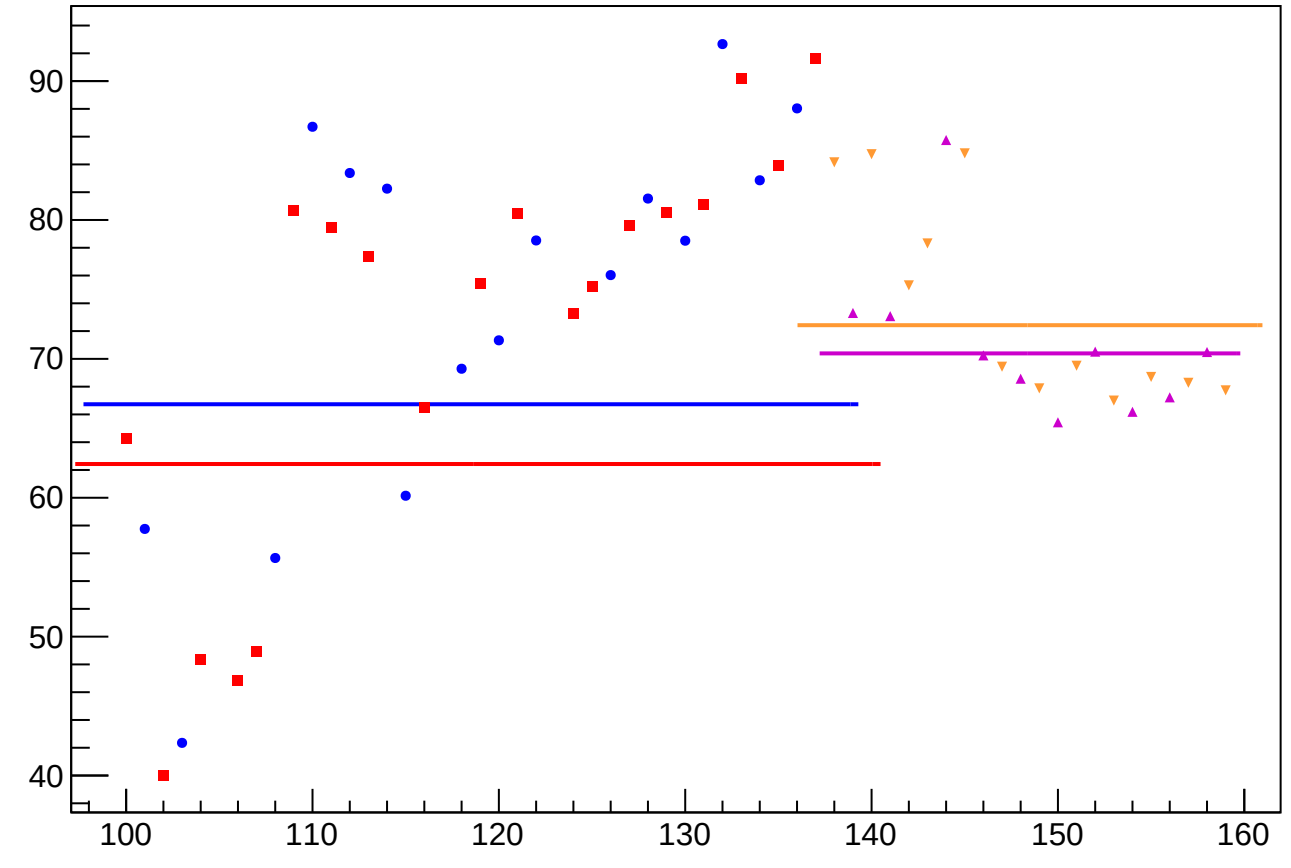
Left: -0.022+/-0.017 χ^2/NDF: 19.0/21

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.025+/-0.018 χ^2/NDF:25.9/25

Out: 0.029+/-0.017 χ^2/NDF:26.3/30

All: 0.003+/-0.012 χ^2/NDF: 56.9/56



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.425+/-0.017 χ^2/NDF:150026.9/11

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.394+/-0.017 χ^2/NDF:83223.8/9

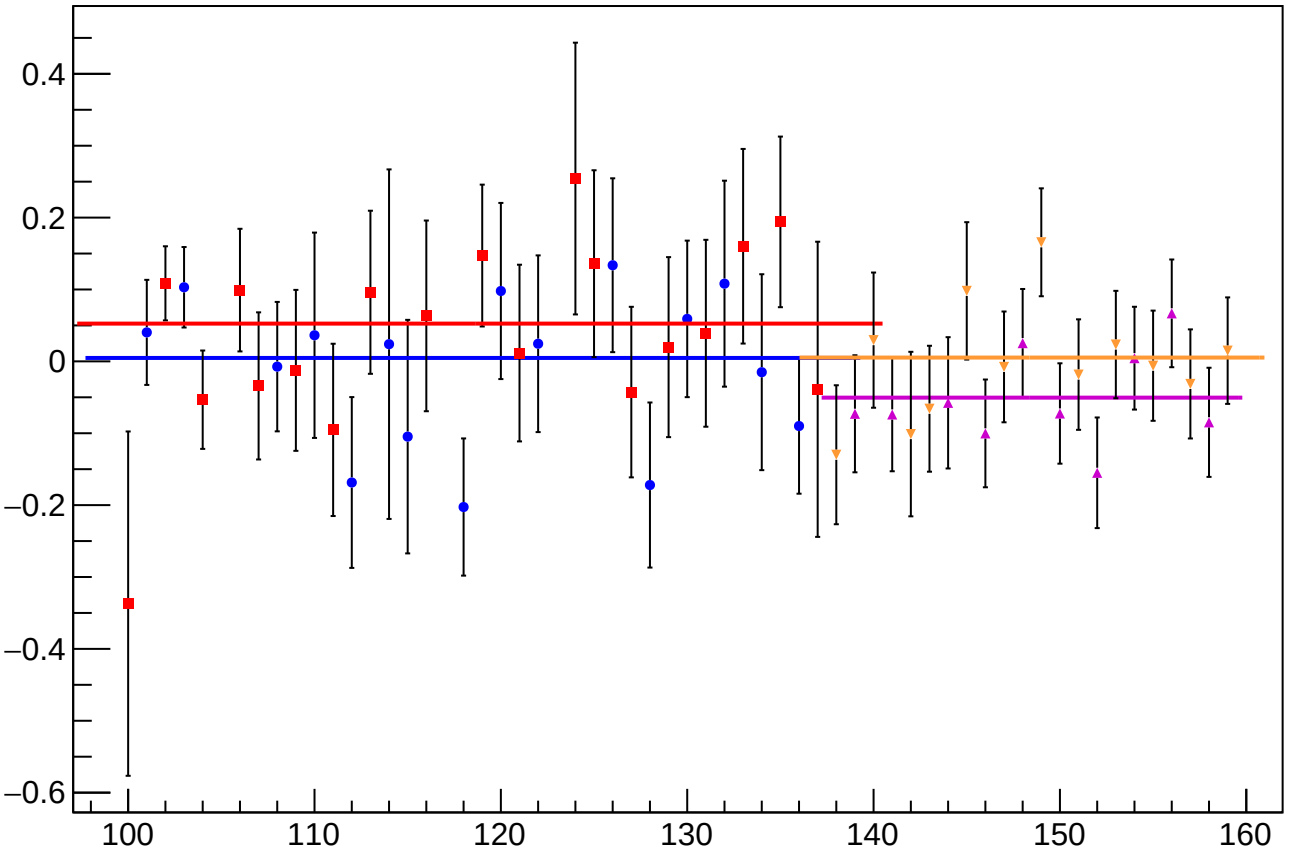
Left: 71.424+/-0.012 χ^2/NDF: 240389.4/21

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.686+/-0.013 χ^2/NDF:921309.4/25

Out: 67.474+/-0.012 χ^2/NDF:1437937.7/30

All: 68.055+/-0.009 χ^2/NDF: 2364140.8/56



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.024 χ^2/NDF:9.5/11

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.050+/-0.024 χ^2/NDF:6.8/9

Left: -0.022+/-0.017 χ^2/NDF: 19.0/21

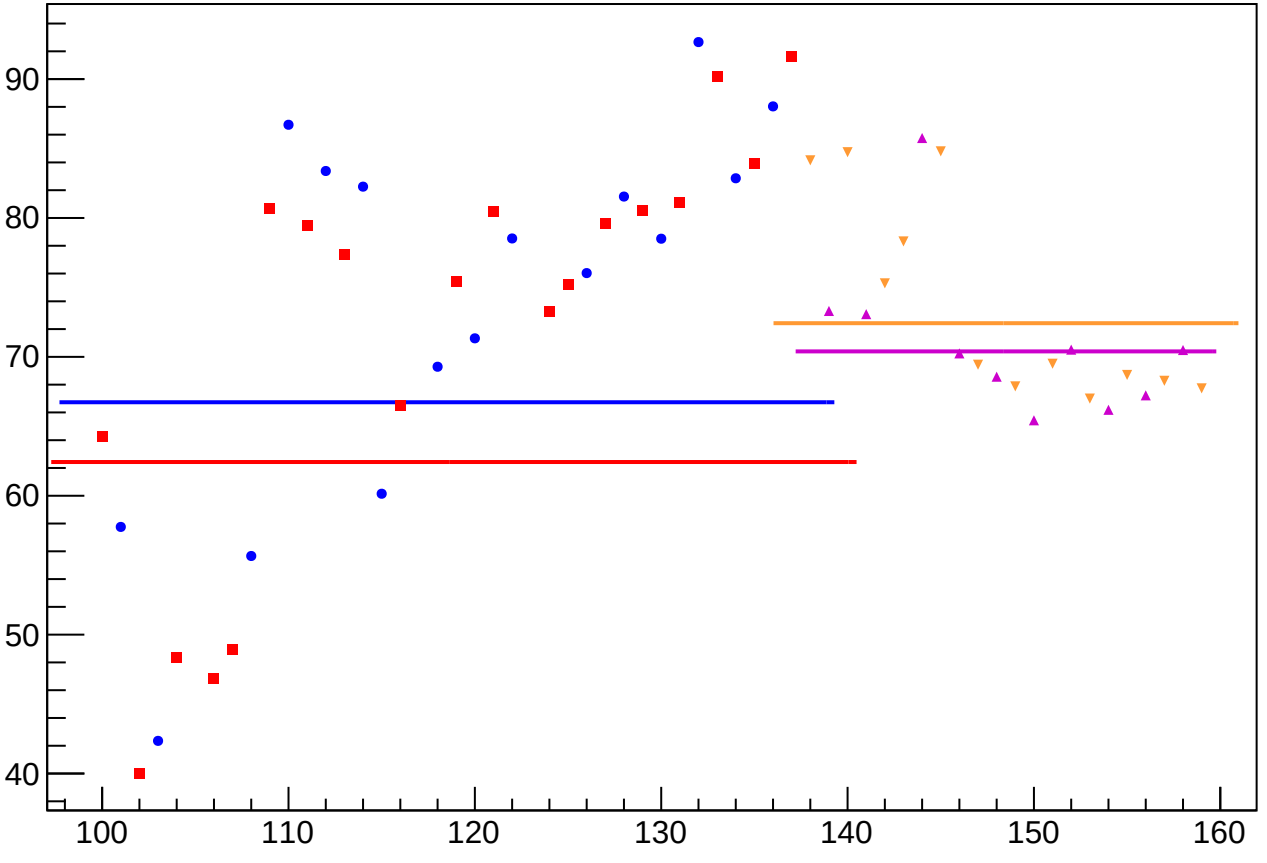
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.025+/-0.018 χ^2/NDF:25.9/25

Out: 0.029+/-0.017 χ^2/NDF:26.3/30

All: 0.003+/-0.012 χ^2/NDF: 56.9/56

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.425+/-0.017 χ^2/NDF:150026.9/11

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.394+/-0.017 χ^2/NDF:83223.8/9

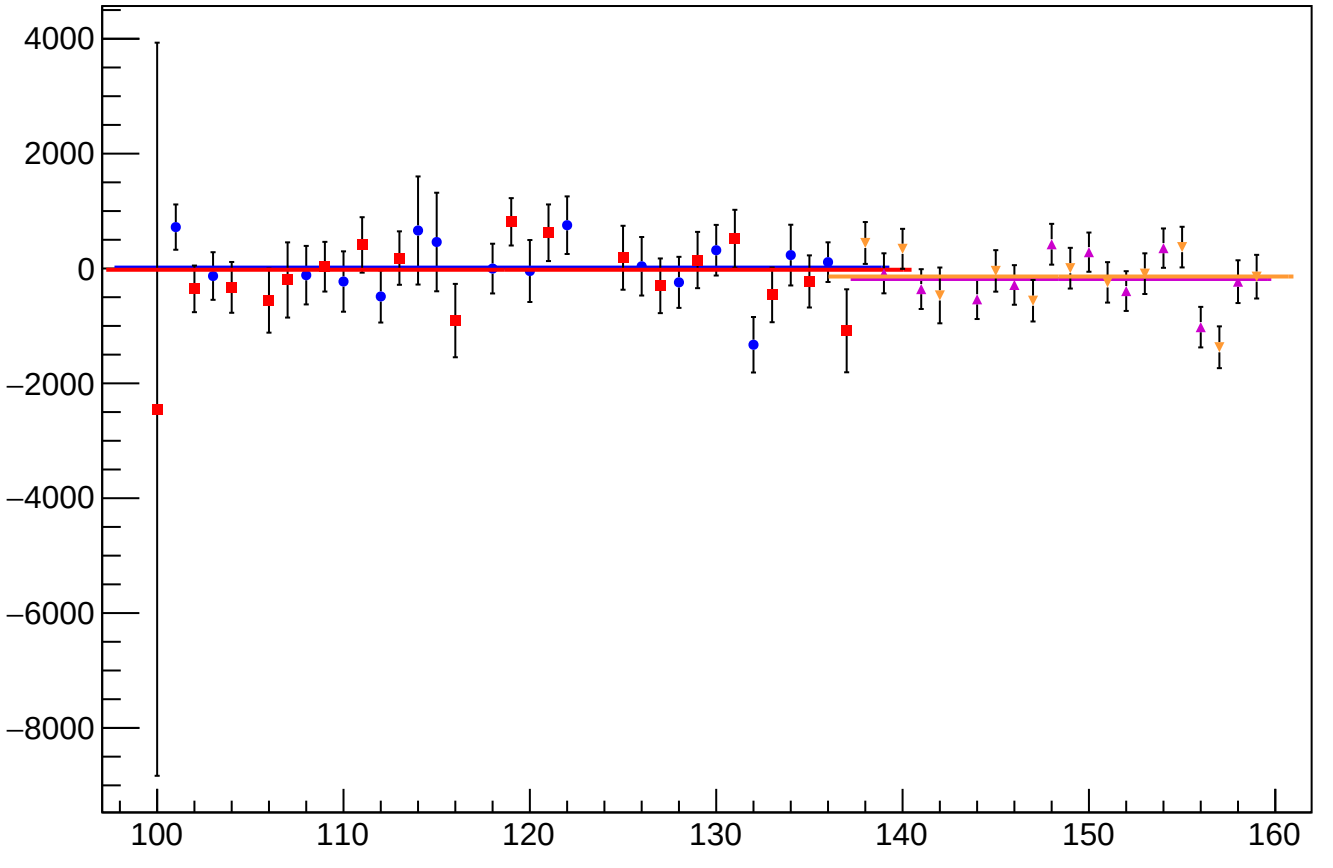
Left: 71.424+/-0.012 χ^2/NDF: 240389.4/21

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.686+/-0.013 χ^2/NDF:921309.4/25

Out: 67.474+/-0.012 χ^2/NDF:1437937.7/30

All: 68.055+/-0.009 χ^2/NDF: 2364140.8/56



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -139.702+/-110.595 χ^2/NDF:20.2/10

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -182.495+/-110.401 χ^2/NDF:14.7/9

Left: -161.136+/-78.134 χ^2/NDF: 35.0/20

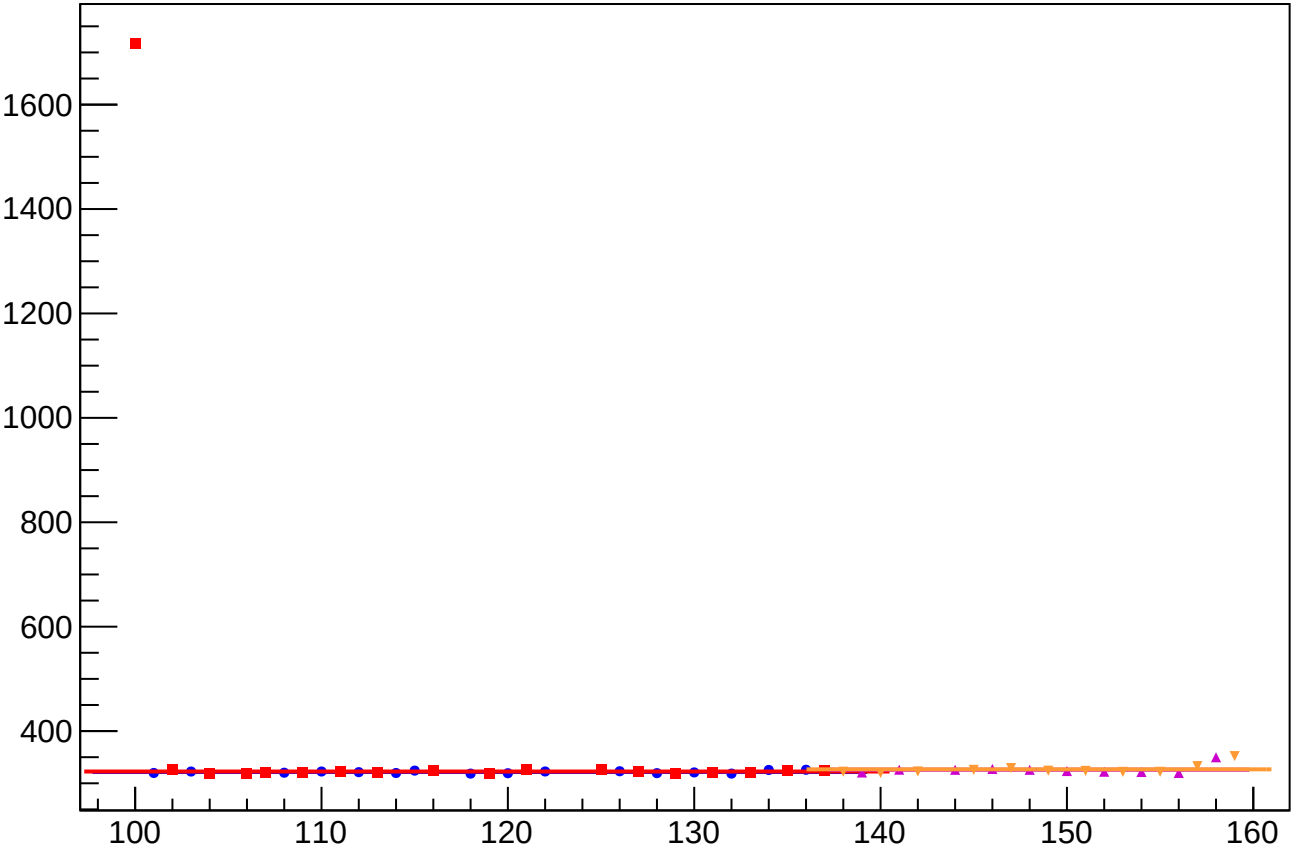
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -91.257+/-81.070 χ^2/NDF:32.8/25

Out: -85.325+/-81.078 χ^2/NDF:36.7/28

All: -88.291+/-57.328 χ^2/NDF: 69.5/54

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 326.726+/-0.078 χ^2/NDF:11801.7/10

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 326.012+/-0.078 χ^2/NDF:9988.0/9

Left: 326.368+/-0.055 χ^2/NDF: 21831.4/20

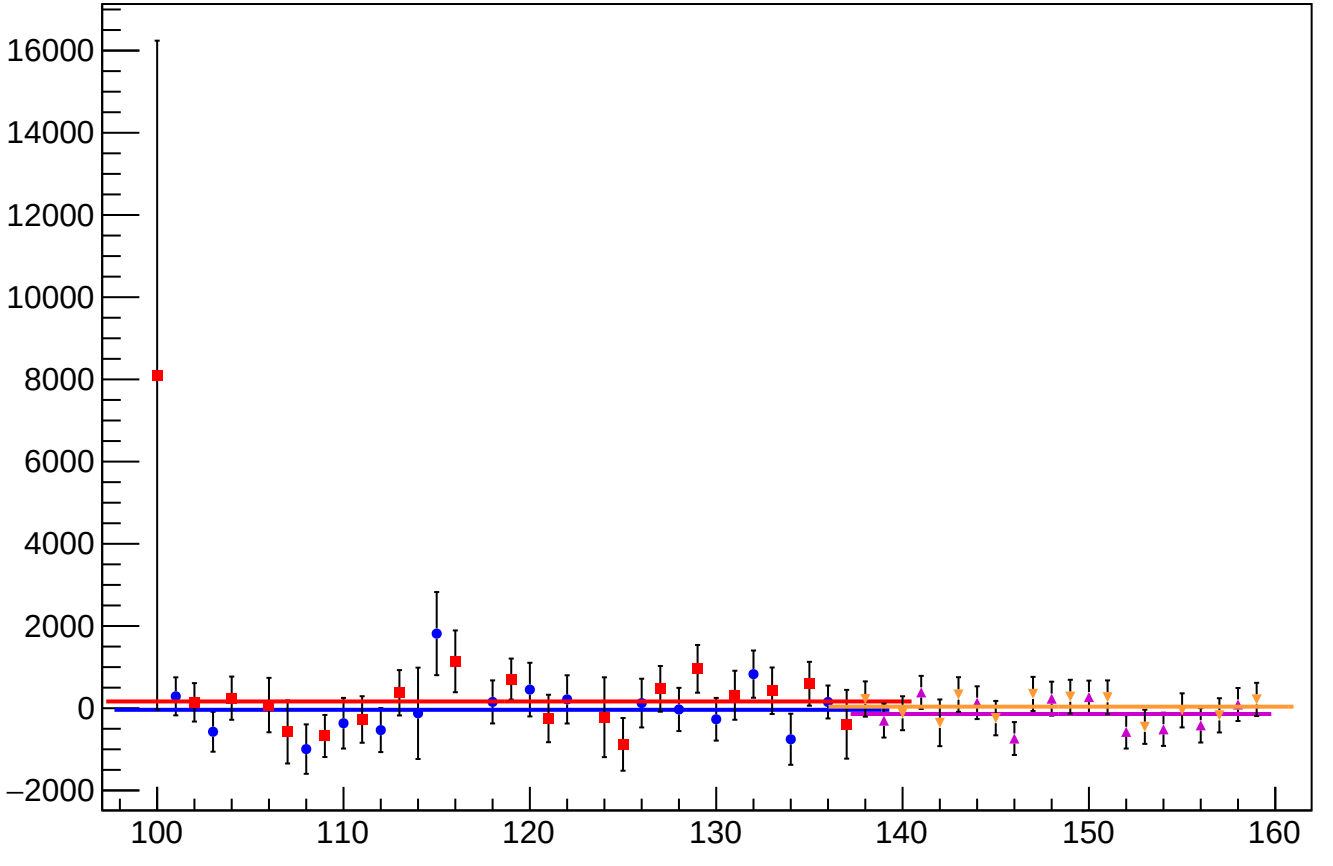
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 323.981+/-0.057 χ^2/NDF:12280.1/25

Out: 324.796+/-0.057 χ^2/NDF:110010.7/28

All: 324.388+/-0.041 χ^2/NDF: 122391.8/54

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 37.845+/-122.260 χ^2/NDF:4.8/11

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -140.470+/-128.163 χ^2/NDF:9.2/9

Left: -47.112+/-88.464 χ^2/NDF: 15.1/21

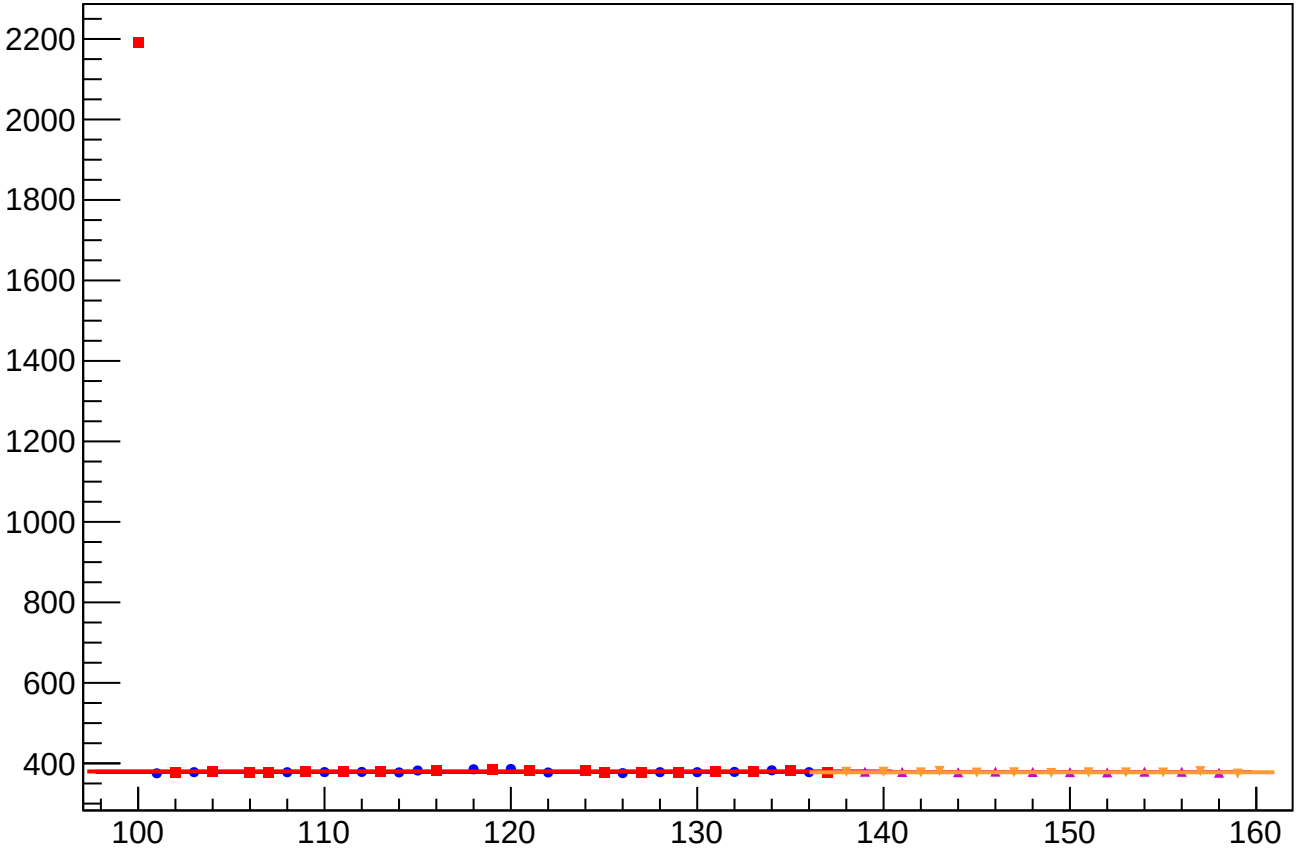
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -94.425+/-94.754 χ^2/NDF:23.2/25

Out: 93.168+/-91.791 χ^2/NDF:20.4/30

All: 2.350+/-65.929 χ^2/NDF: 45.7/56

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.806+/-0.086 χ^2/NDF:446.1/11

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.552+/-0.091 χ^2/NDF:81.3/9

Left: 378.161+/-0.063 χ^2/NDF: 562.7/21

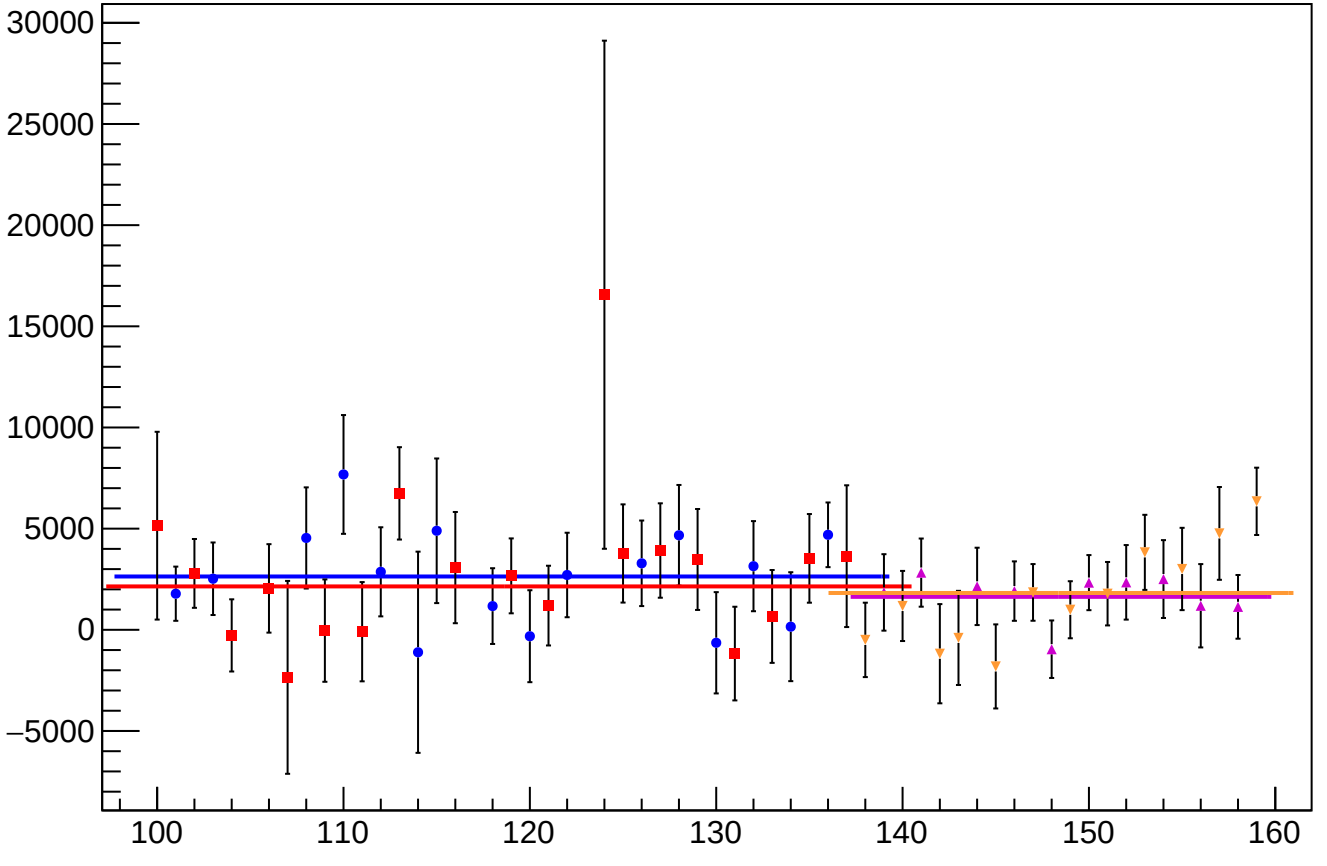
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.714+/-0.067 χ^2/NDF:939.6/25

Out: 378.710+/-0.065 χ^2/NDF:100318.0/30

All: 378.712+/-0.047 χ^2/NDF: 101257.6/56

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1820.353+/-518.861 χ^2/NDF:18.1/11

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1629.148+/-526.444 χ^2/NDF:4.7/9

Left: 1726.137+/-369.542 χ^2/NDF: 22.9/21

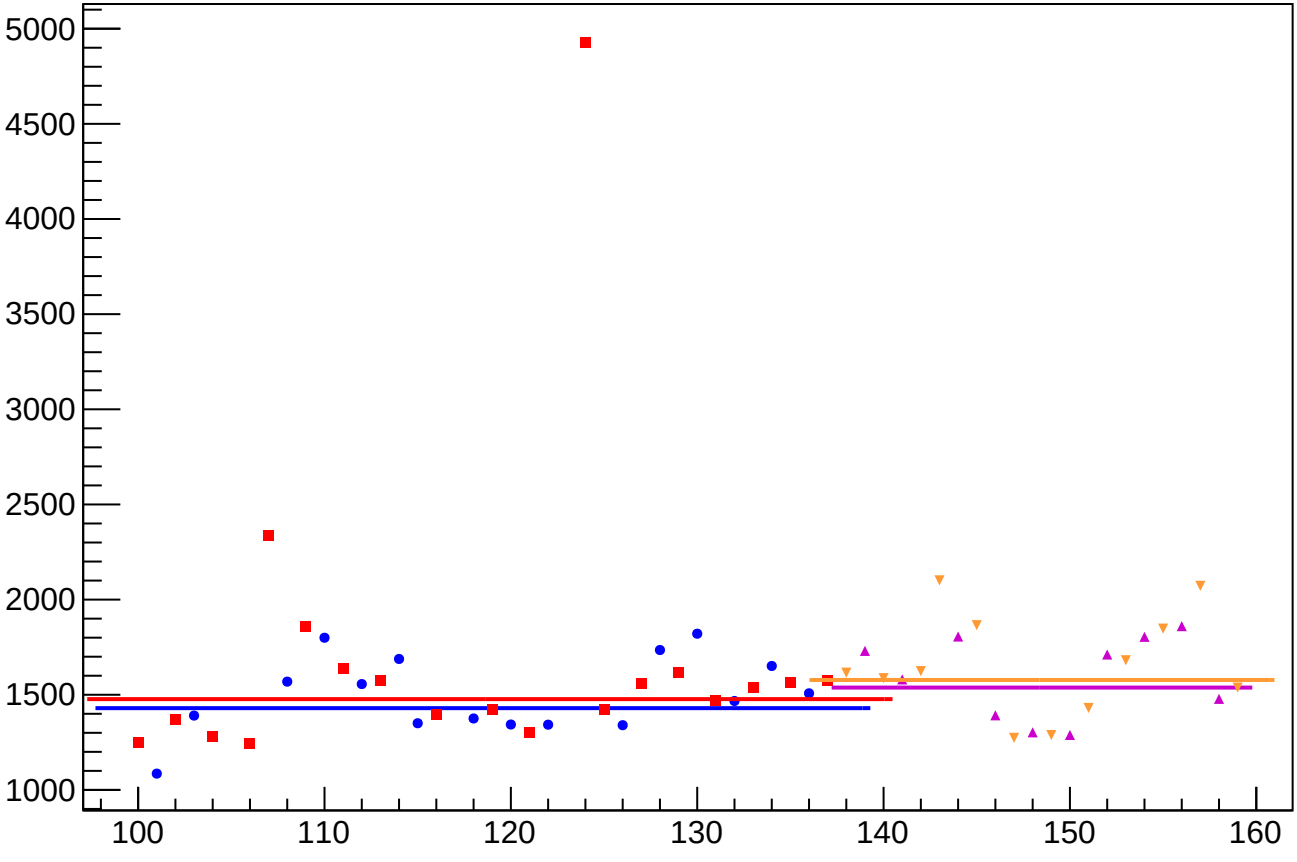
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2121.317+/-376.283 χ^2/NDF:18.8/25

Out: 1973.918+/-376.433 χ^2/NDF:33.3/30

All: 2047.647+/-266.125 χ^2/NDF: 52.2/56

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1577.745+/-0.367 χ^2/NDF:472990.1/11

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

Left: 1558.020+/-0.261 χ^2/NDF: 789883.3/21

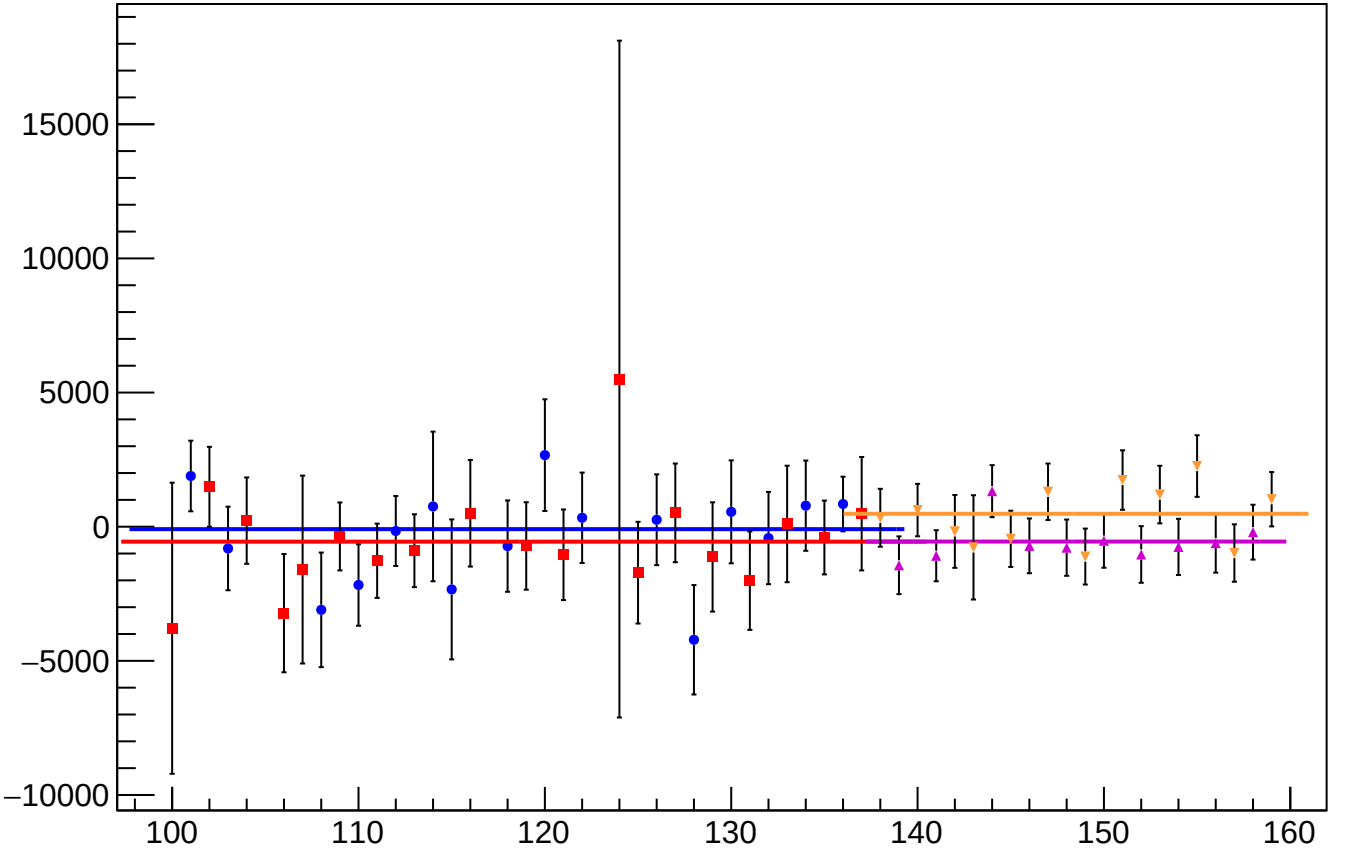
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1484.861+/-0.266 χ^2/NDF:645632.7/25

Out: 1530.086+/-0.266 χ^2/NDF:878045.0/30

All: 1507.465+/-0.188 χ^2/NDF: 1538117.6/56

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 481.452+/-320.529 χ^2/NDF:10.7/11

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -554.008+/-324.951 χ^2/NDF:5.2/9

Left: -29.185+/-228.196 χ^2/NDF: 21.0/21

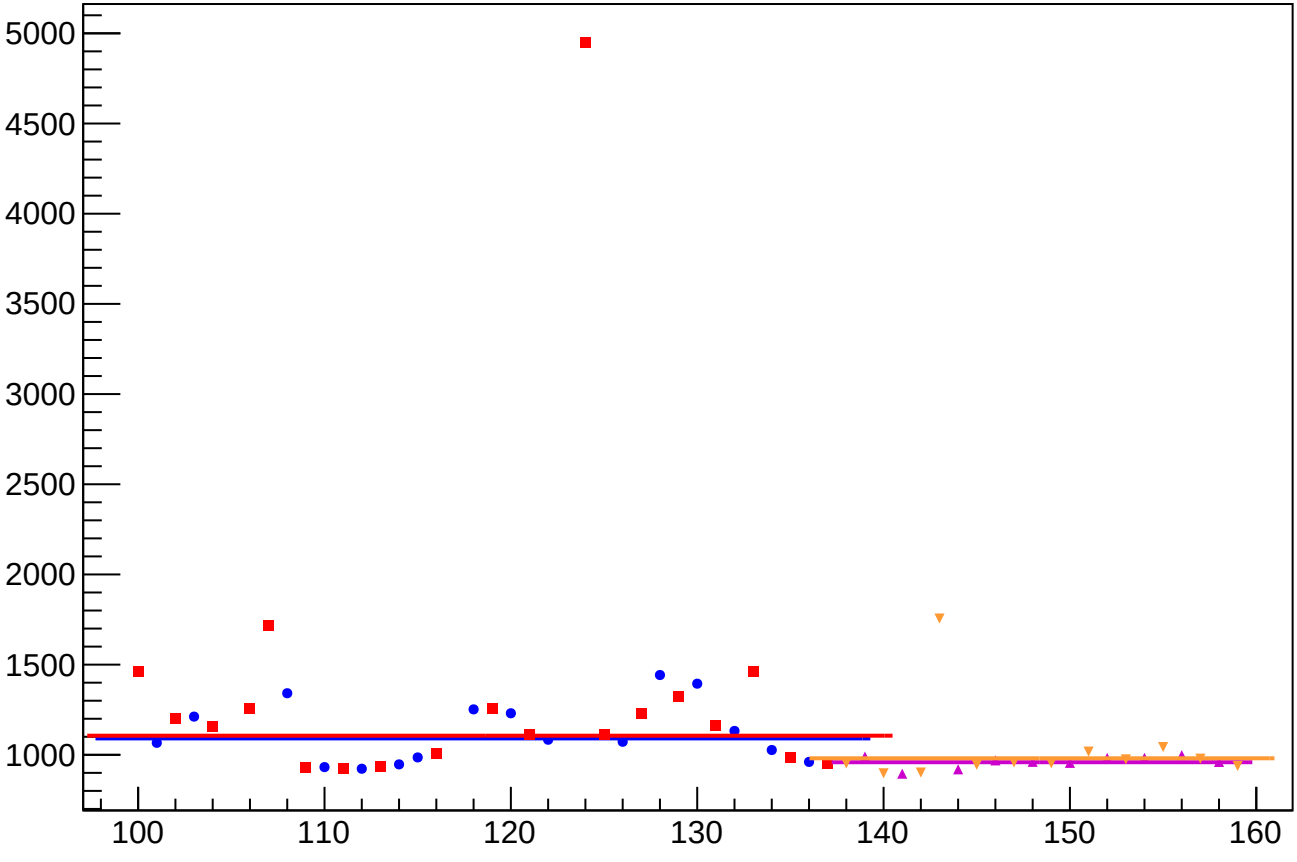
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -375.470+/-254.655 χ^2/NDF:20.5/25

Out: 89.191+/-252.833 χ^2/NDF:21.4/30

All: -141.472+/-179.421 χ^2/NDF: 43.6/56

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.806+/-0.227 χ^2/NDF:357048.5/11

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

Left: 970.085+/-0.161 χ^2/NDF: 380308.8/21

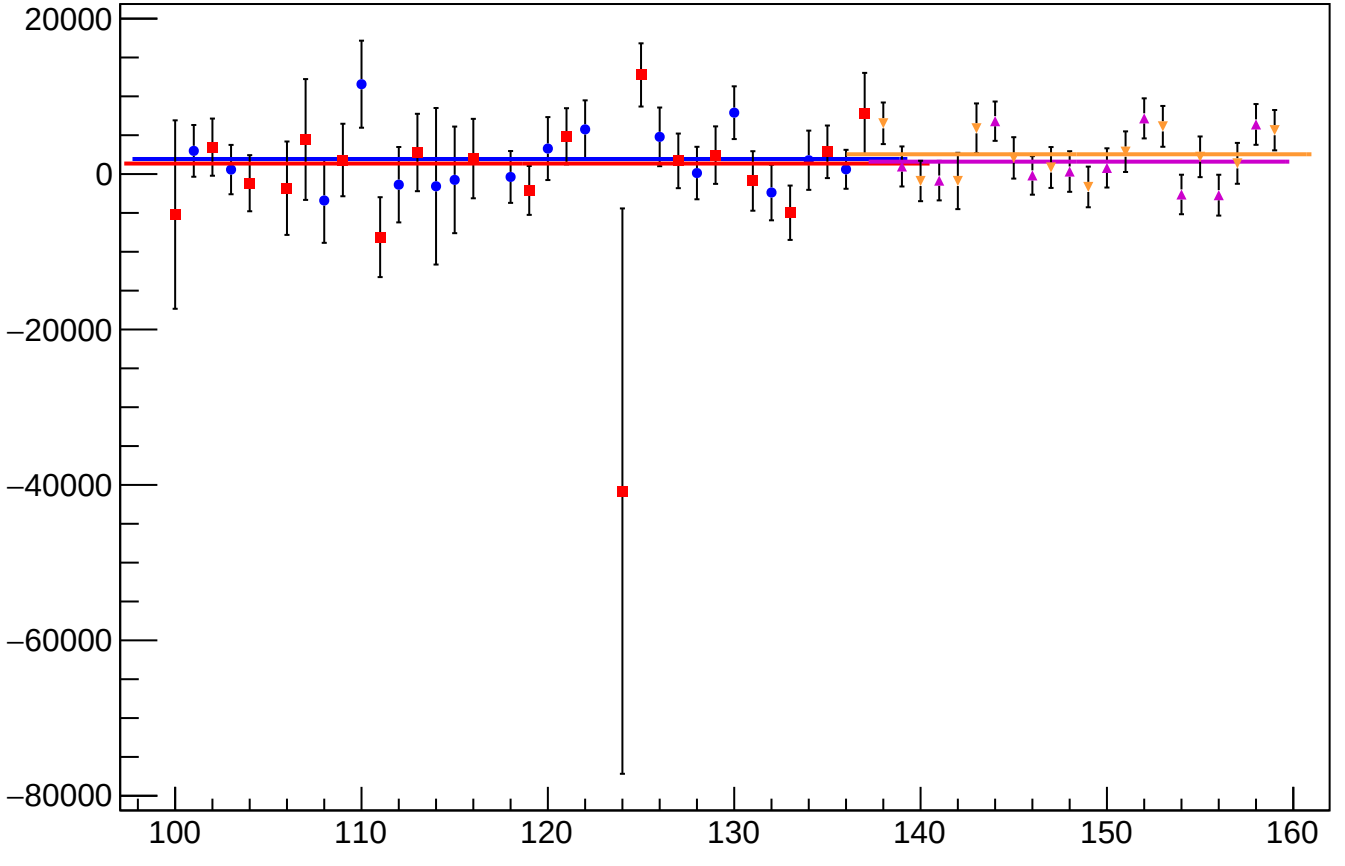
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1009.990+/-0.180 χ^2/NDF:423321.0/25

Out: 1028.121+/-0.179 χ^2/NDF:986500.9/30

All: 1019.120+/-0.127 χ^2/NDF: 1414927.7/56

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2546.839+/-784.808 χ^2/NDF:12.5/11

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1595.580+/-810.349 χ^2/NDF:19.5/9

Left: 2086.436+/-563.756 χ^2/NDF: 32.7/21

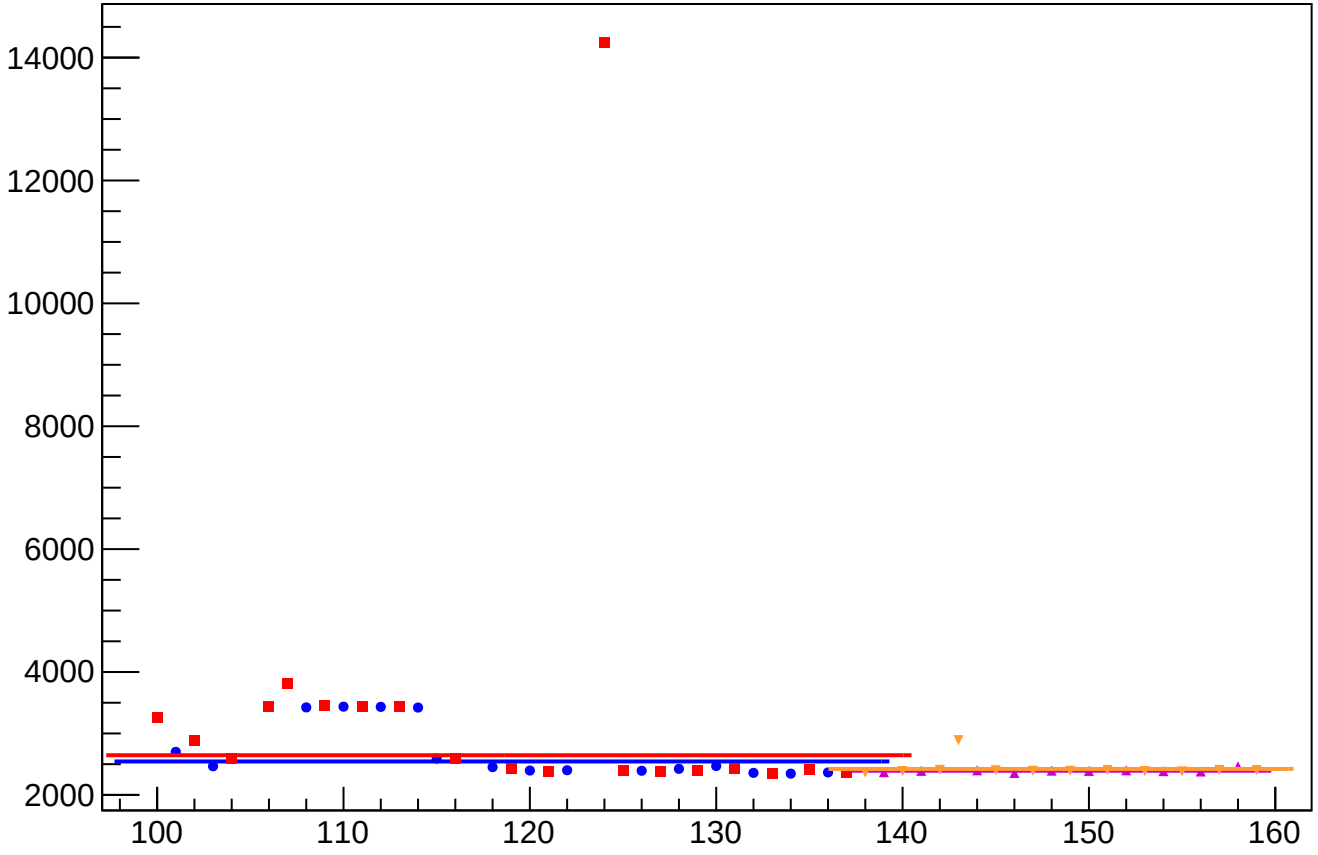
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1740.045+/-617.215 χ^2/NDF:31.8/25

Out: 2083.489+/-613.830 χ^2/NDF:35.2/30

All: 1912.712+/-435.235 χ^2/NDF: 67.2/56

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2422.327+/-0.555 χ^2/NDF:45973.2/11

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

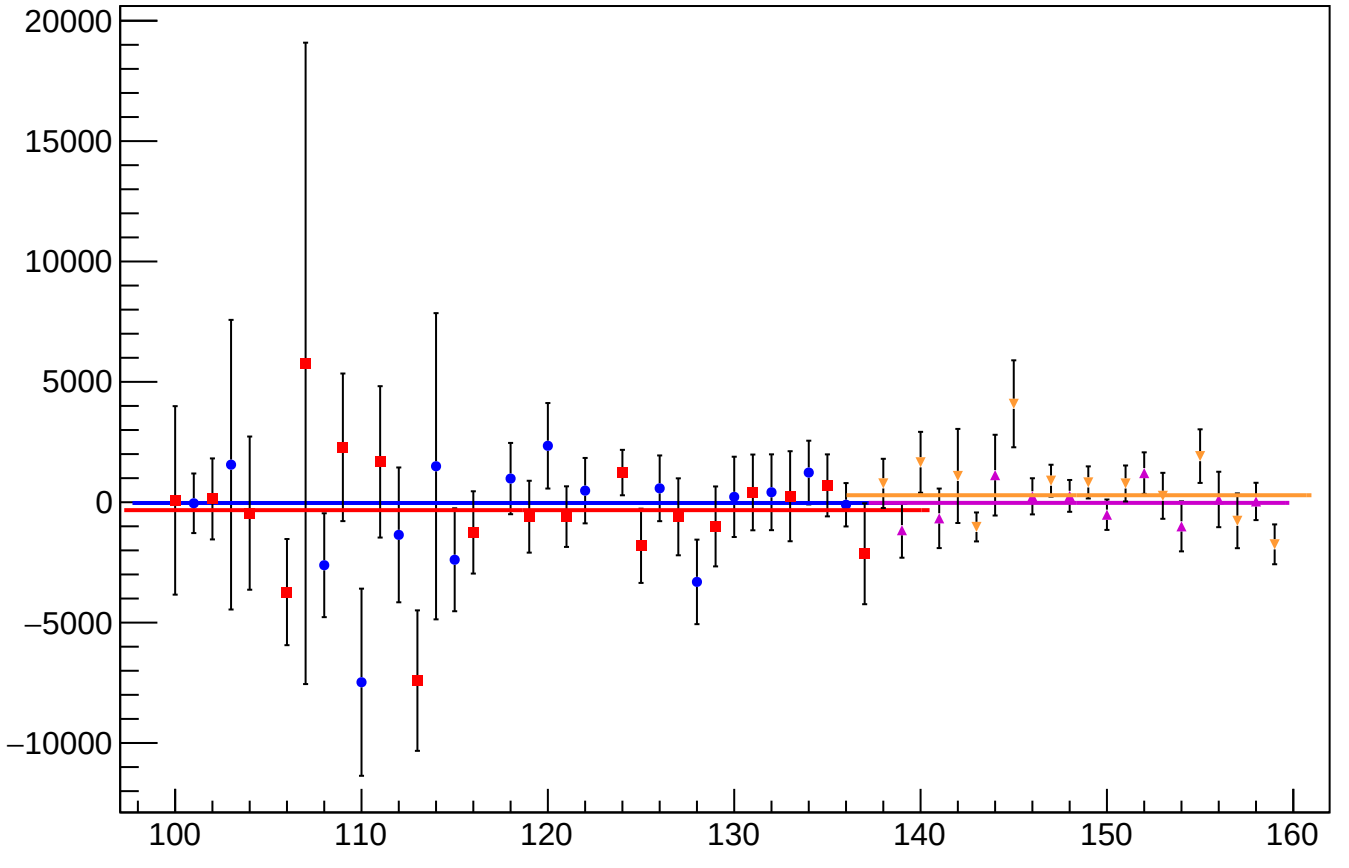
Left: 2408.367+/-0.399 χ^2/NDF: 49422.1/21

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2456.855+/-0.436 χ^2/NDF:256886.8/25

Out: 2509.032+/-0.434 χ^2/NDF:645813.1/30

All: 2483.087+/-0.308 χ^2/NDF: 909885.7/56



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 291.076+/-255.010 χ^2/NDF:21.8/11

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -26.753+/-276.968 χ^2/NDF:5.6/9

Left: 145.258+/-187.603 χ^2/NDF: 28.1/21

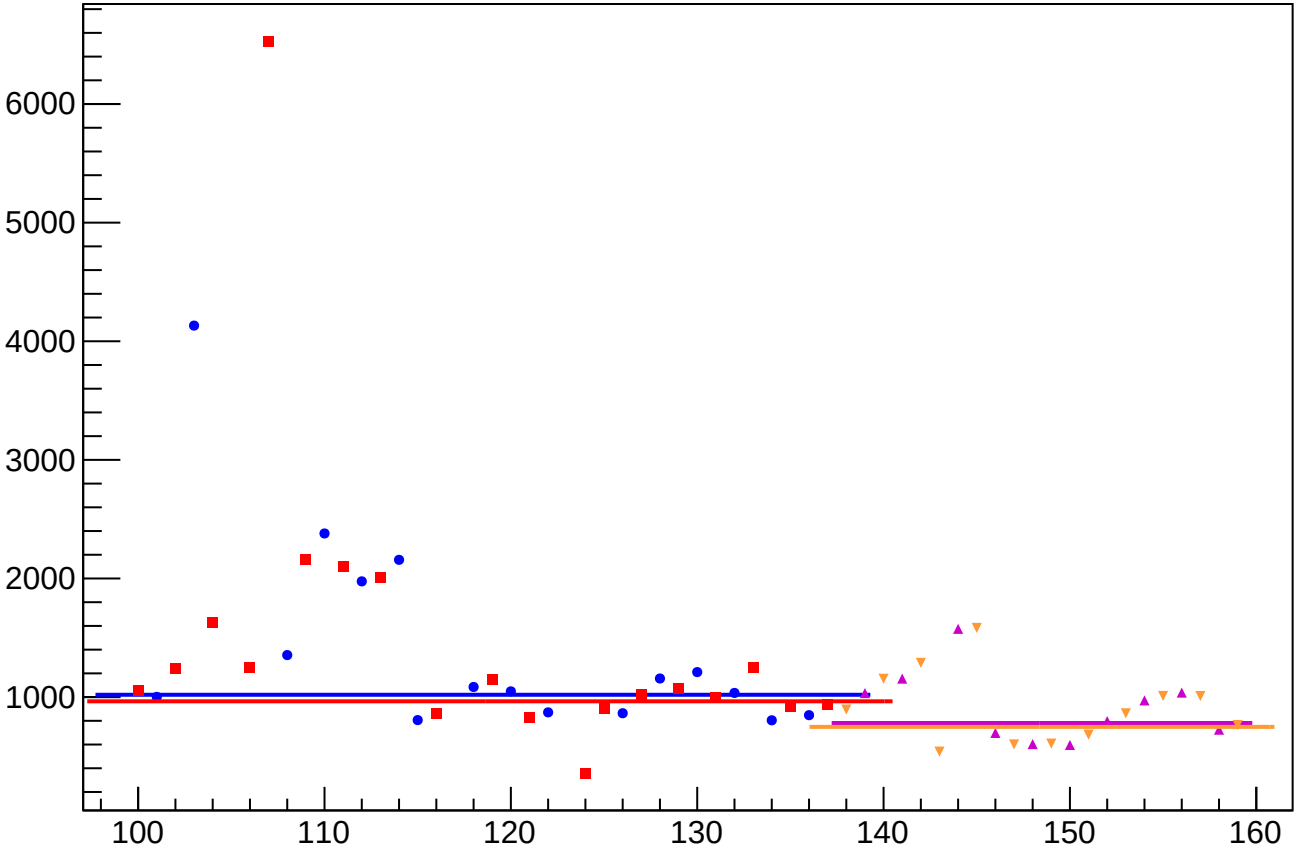
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -28.164+/-228.750 χ^2/NDF:19.4/25

Out: 111.121+/-214.806 χ^2/NDF:39.1/30

All: 45.853+/-156.588 χ^2/NDF: 58.7/56

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 748.810+/-0.180 χ^2/NDF:1514905.3/11

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 781.541+/-0.196 χ^2/NDF:1247225.2/9

Left: 763.827+/-0.133 χ^2/NDF: 2777247.3/21

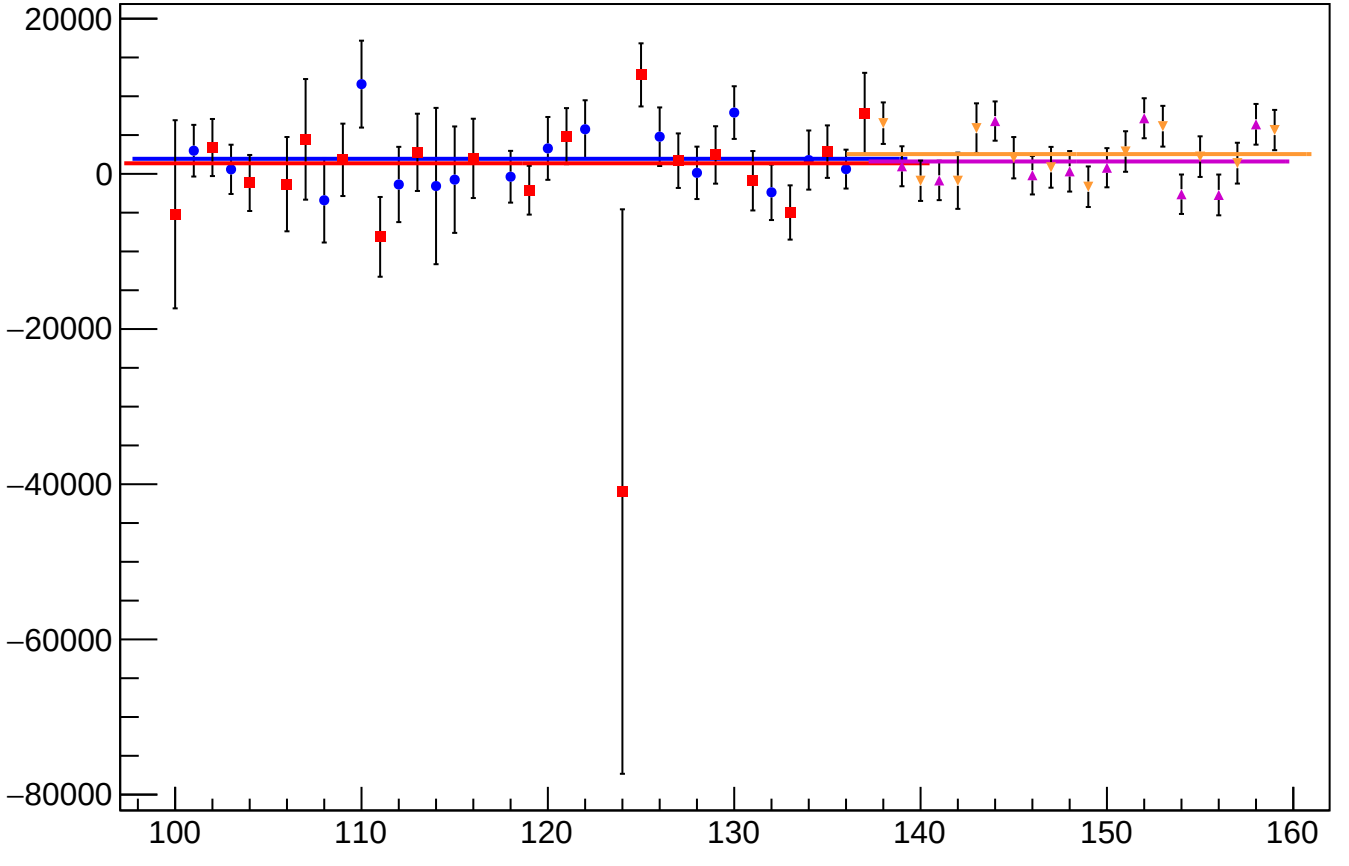
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 857.190+/-0.162 χ^2/NDF:3081340.2/25

Out: 811.424+/-0.152 χ^2/NDF:4239385.5/30

All: 832.870+/-0.111 χ^2/NDF: 7363266.8/56

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2546.734+/-784.808 χ^2/NDF:12.5/11

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1595.771+/-810.349 χ^2/NDF:19.5/9

Left: 2086.475+/-563.756 χ^2/NDF: 32.7/21

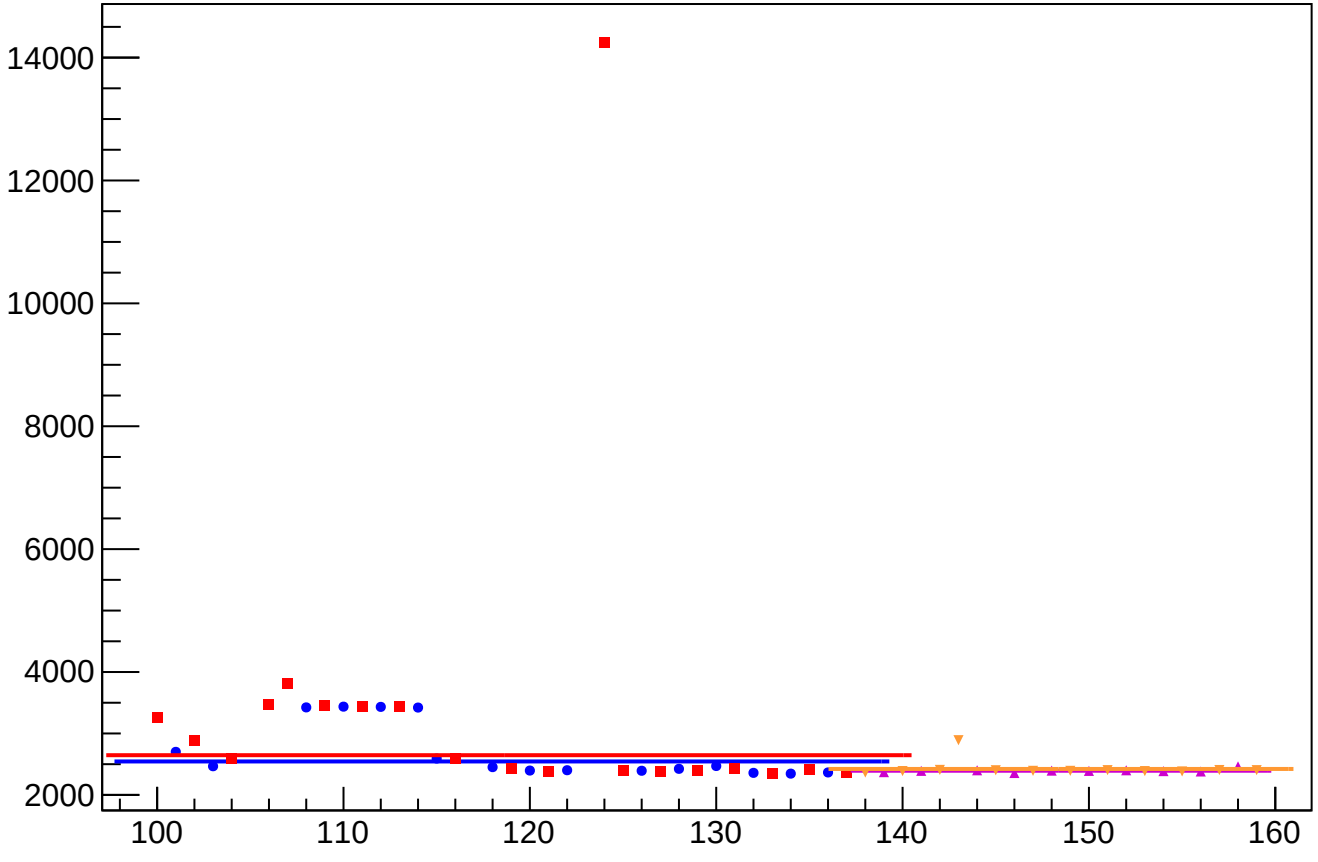
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1740.303+/-617.215 χ^2/NDF:31.8/25

Out: 2087.348+/-613.903 χ^2/NDF:35.1/30

All: 1914.759+/-435.261 χ^2/NDF: 67.1/56

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2422.327+/-0.555 χ^2/NDF:45973.2/11

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

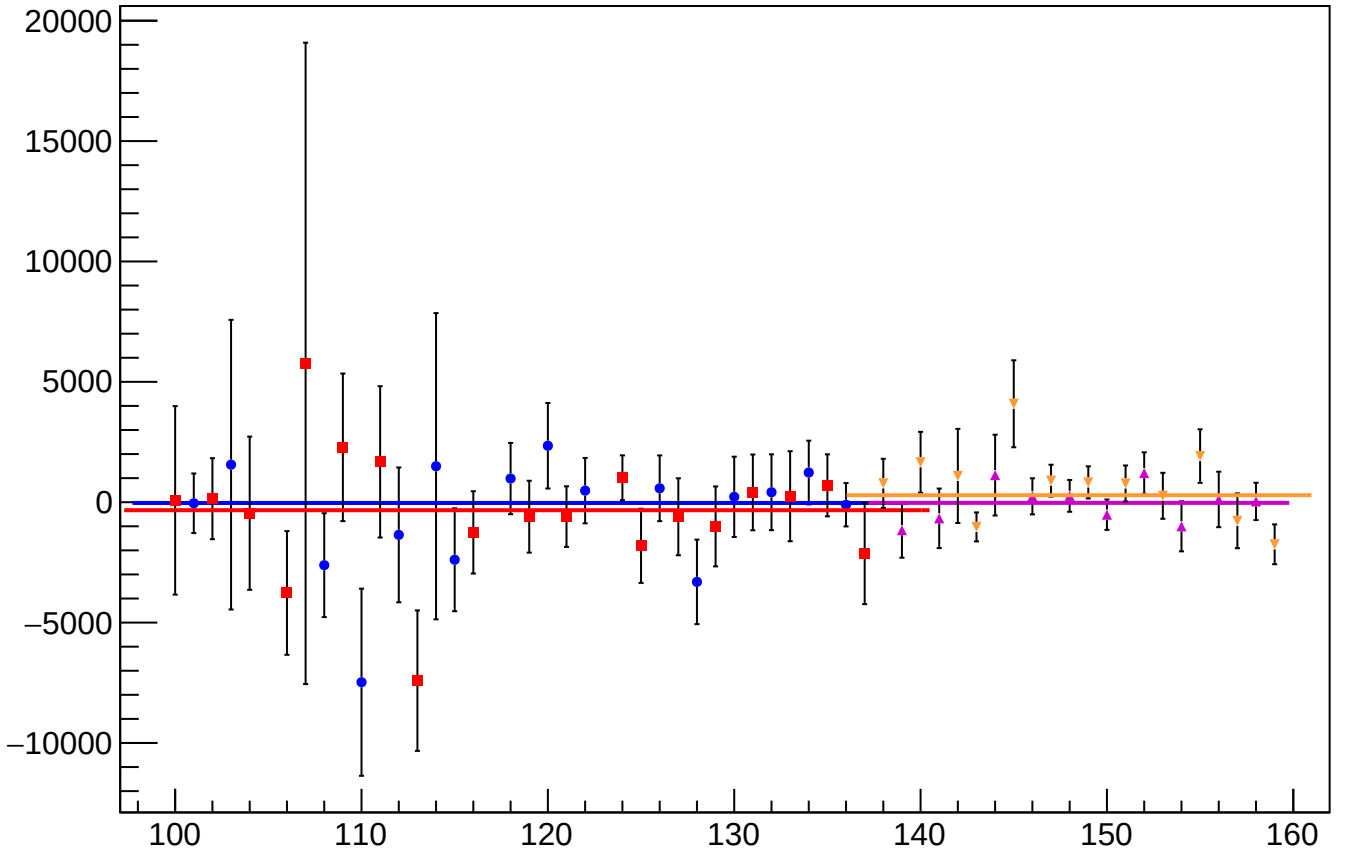
Left: 2408.367+/-0.399 χ^2/NDF: 49422.1/21

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2456.855+/-0.436 χ^2/NDF:256886.8/25

Out: 2509.216+/-0.434 χ^2/NDF:648684.7/30

All: 2483.176+/-0.308 χ^2/NDF: 912807.1/56



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 290.927+/-255.014 χ^2/NDF:21.8/11

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -26.724+/-276.967 χ^2/NDF:5.6/9

Left: 145.187+/-187.604 χ^2/NDF: 28.1/21

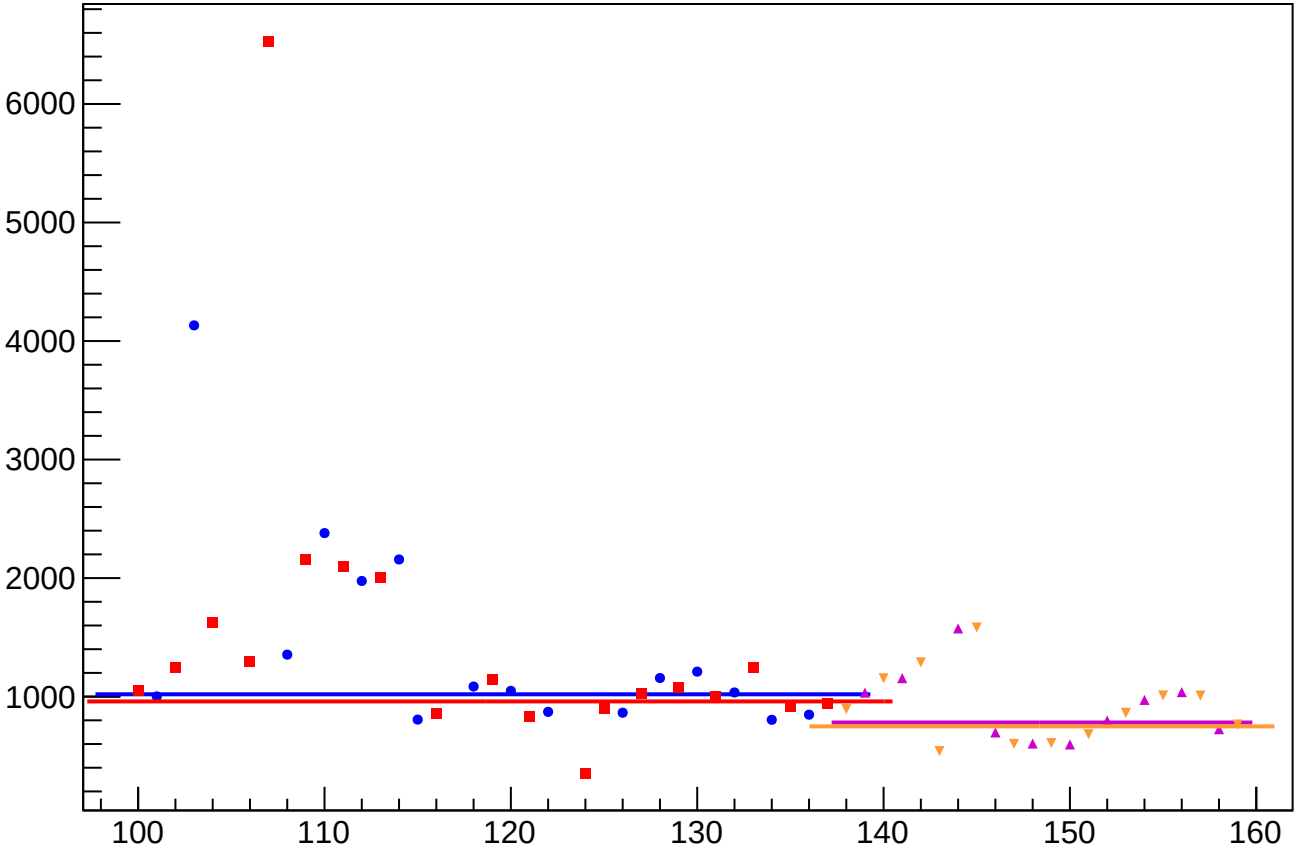
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -28.163+/-228.749 χ^2/NDF:19.4/25

Out: 110.490+/-214.928 χ^2/NDF:37.9/30

All: 45.479+/-156.635 χ^2/NDF: 57.5/56

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 748.824+/-0.180 χ^2/NDF:1514890.6/11

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

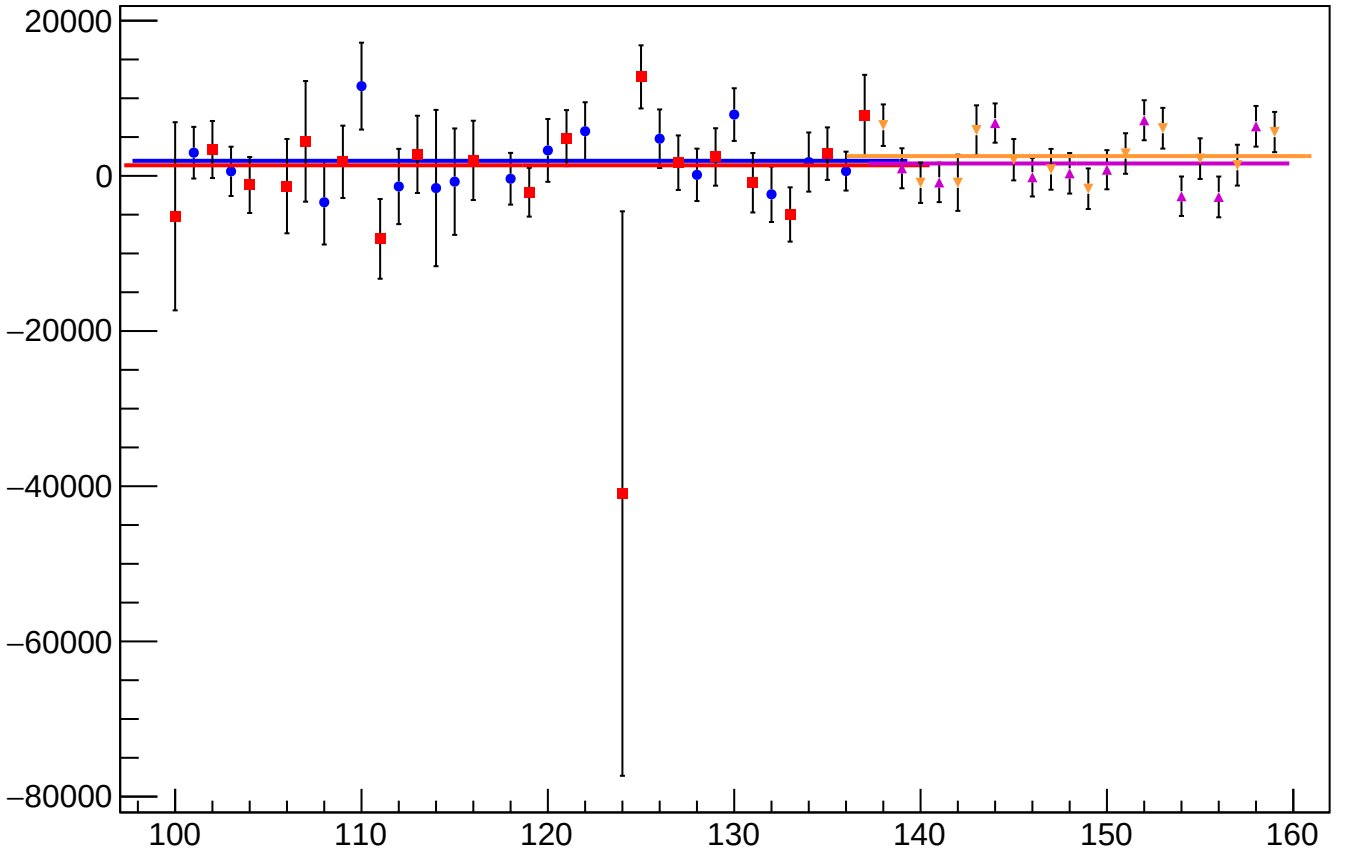
Left: 763.832+/-0.133 χ^2/NDF: 2777308.8/21

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 857.183+/-0.162 χ^2/NDF:3081426.2/25

Out: 809.806+/-0.152 χ^2/NDF:4254147.7/30

All: 832.020+/-0.111 χ^2/NDF: 7381139.1/56



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2546.734+/-784.808 χ^2/NDF:12.5/11

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1595.771+/-810.349 χ^2/NDF:19.5/9

Left: 2086.475+/-563.756 χ^2/NDF: 32.7/21

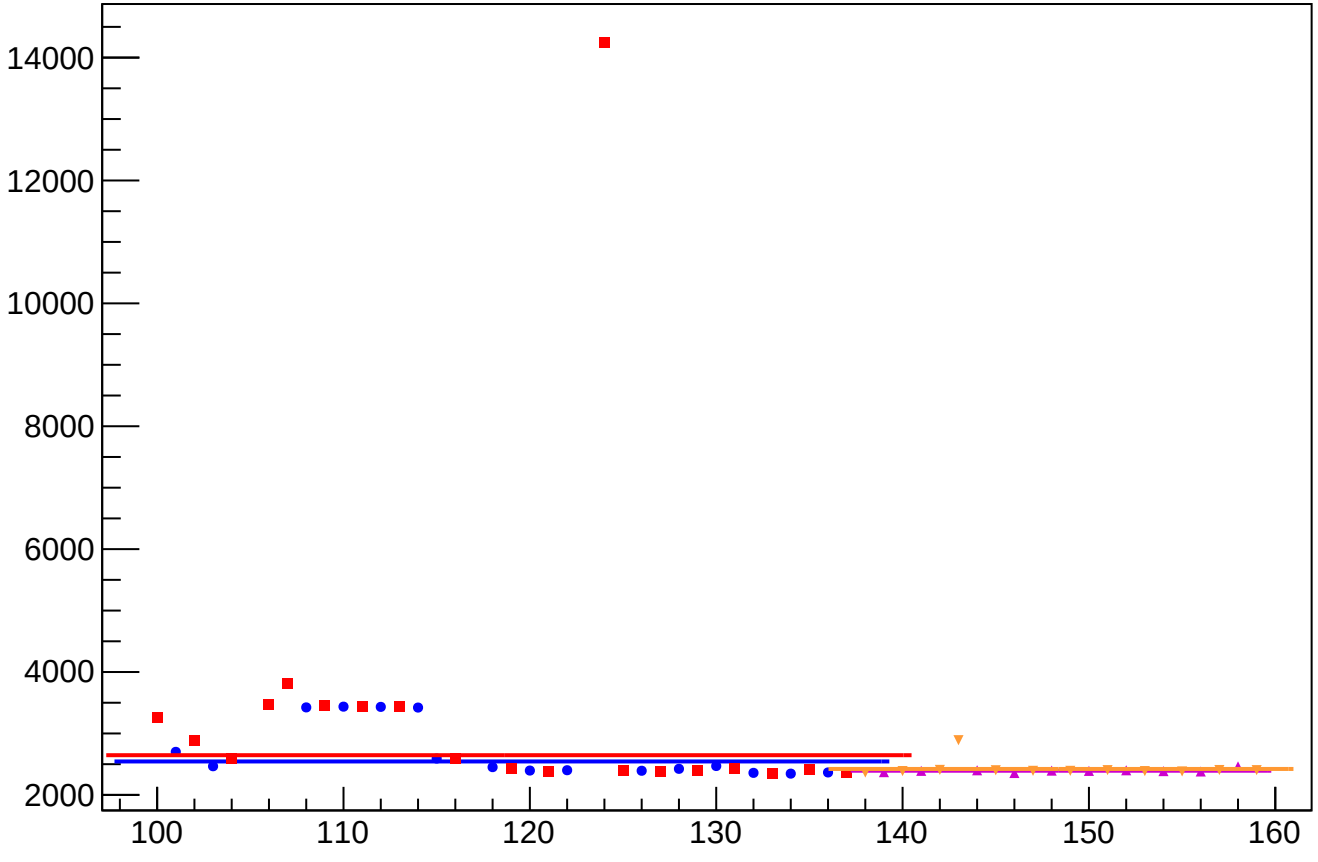
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1740.303+/-617.215 χ^2/NDF:31.8/25

Out: 2087.348+/-613.903 χ^2/NDF:35.1/30

All: 1914.759+/-435.261 χ^2/NDF: 67.1/56

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2422.327+/-0.555 χ^2/NDF:45973.2/11

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

Left: 2408.367+/-0.399 χ^2/NDF: 49422.1/21

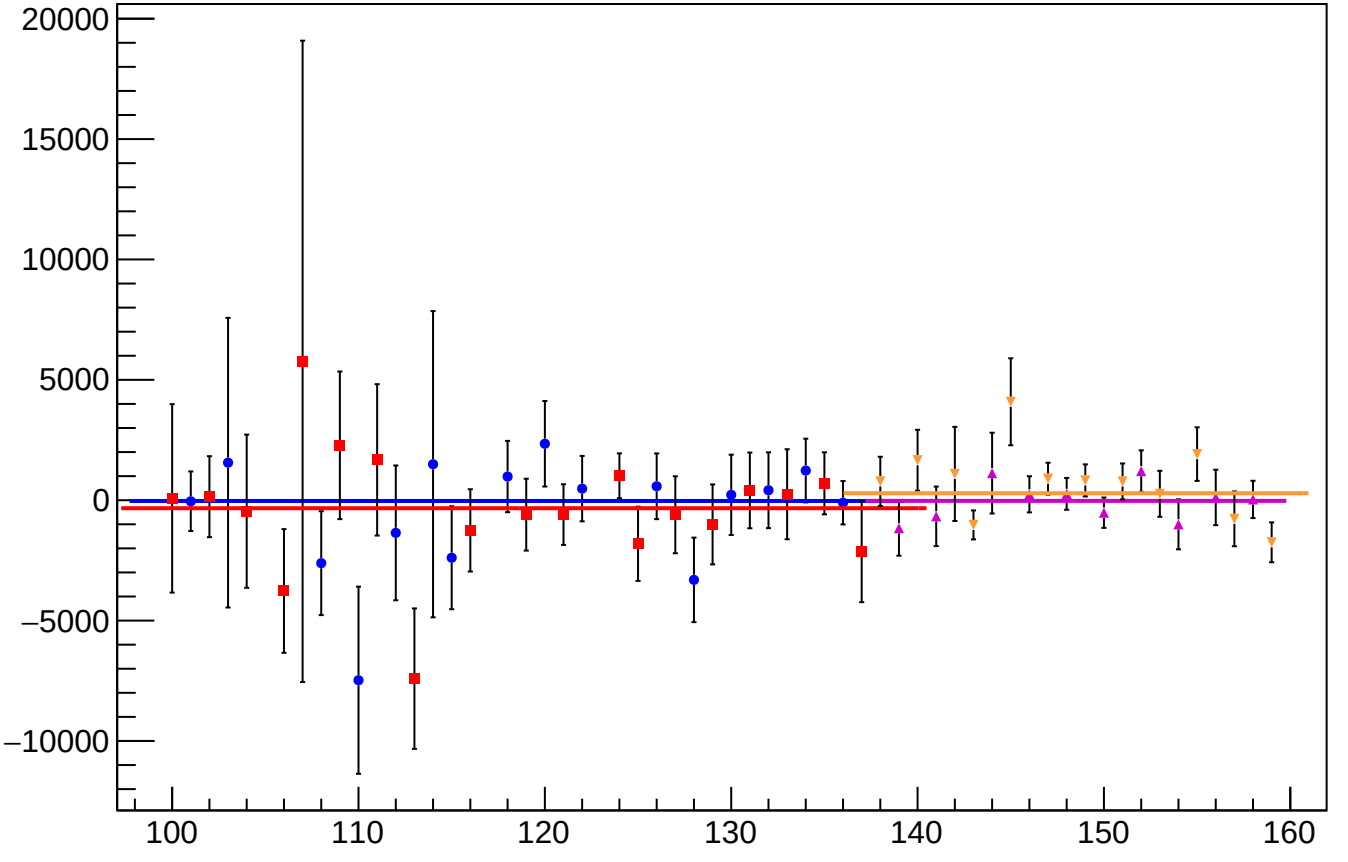
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2456.855+/-0.436 χ^2/NDF:256886.8/25

Out: 2509.216+/-0.434 χ^2/NDF:648684.7/30

All: 2483.176+/-0.308 χ^2/NDF: 912807.1/56

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 290.927+/-255.014 χ^2/NDF:21.8/11

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -26.724+/-276.967 χ^2/NDF:5.6/9

Left: 145.187+/-187.604 χ^2/NDF: 28.1/21

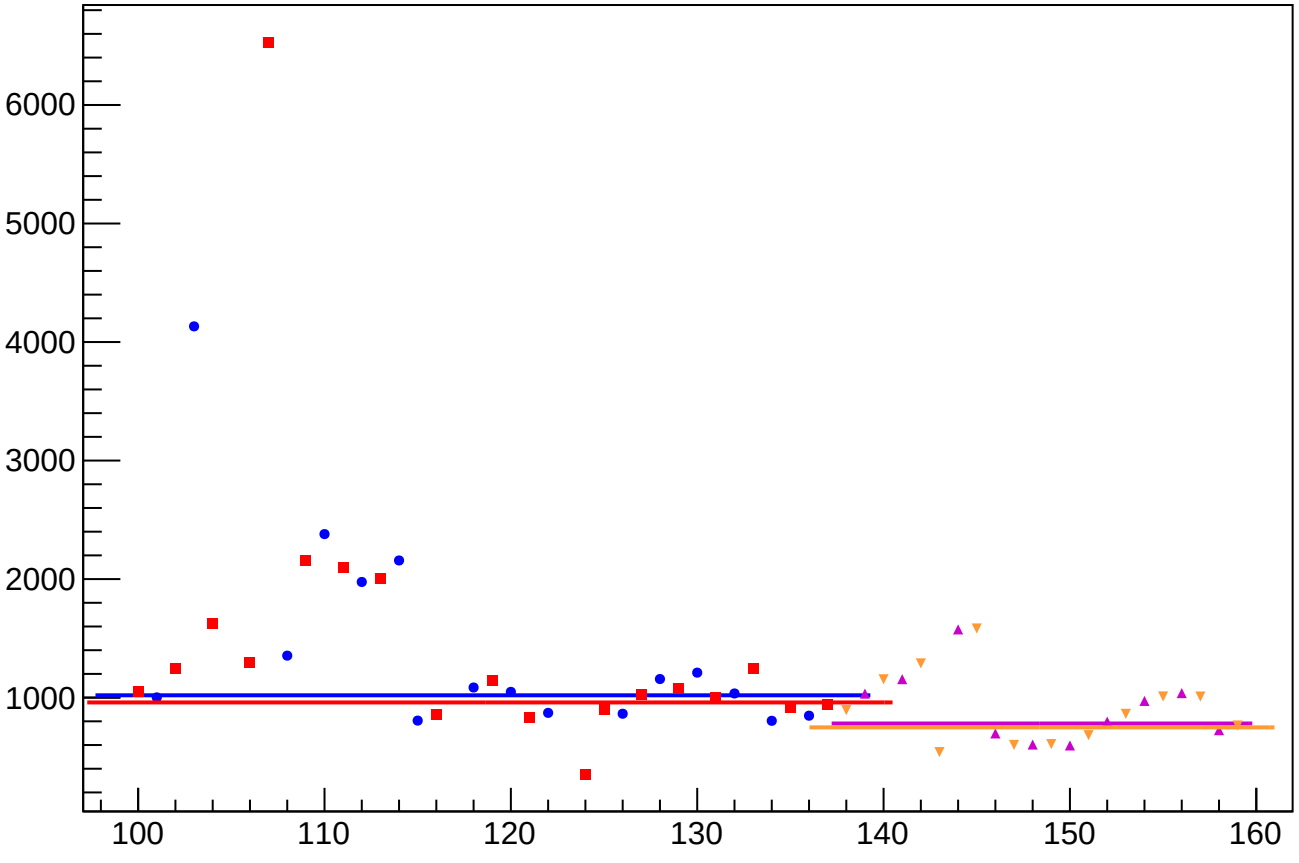
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -28.163+/-228.749 χ^2/NDF:19.4/25

Out: 110.490+/-214.928 χ^2/NDF:37.9/30

All: 45.479+/-156.635 χ^2/NDF: 57.5/56

asym_atl1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 748.824+/-0.180 χ^2/NDF:1514890.6/11

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

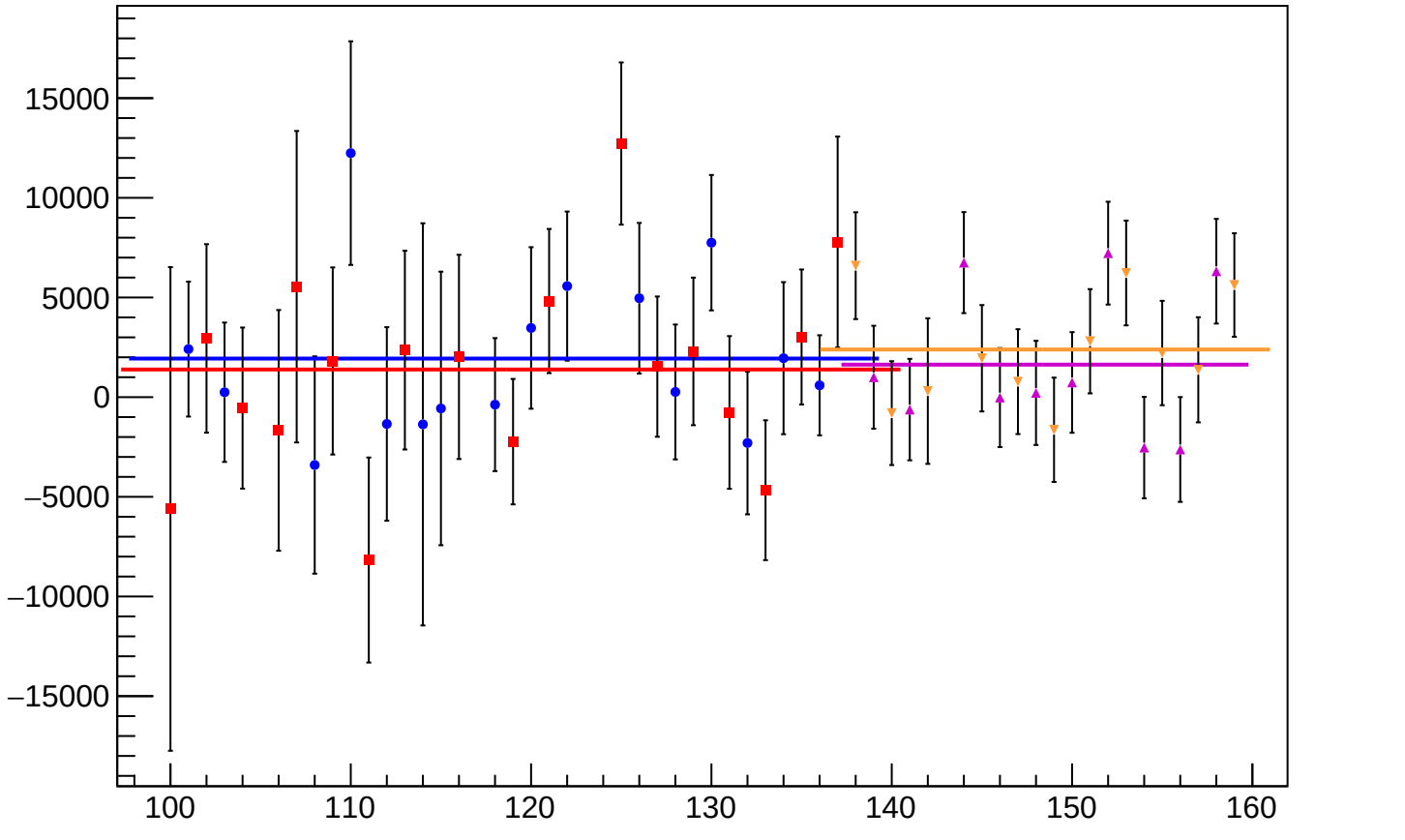
Left: 763.832+/-0.133 χ^2/NDF: 2777308.8/21

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 857.183+/-0.162 χ^2/NDF:3081426.2/25

Out: 809.806+/-0.152 χ^2/NDF:4254147.7/30

All: 832.020+/-0.111 χ^2/NDF: 7381139.1/56



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2390.269+/-810.689 χ^2/NDF:10.9/10

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1631.203+/-811.125 χ^2/NDF:19.0/9

Left: 2010.940+/-573.398 χ^2/NDF: 30.3/20

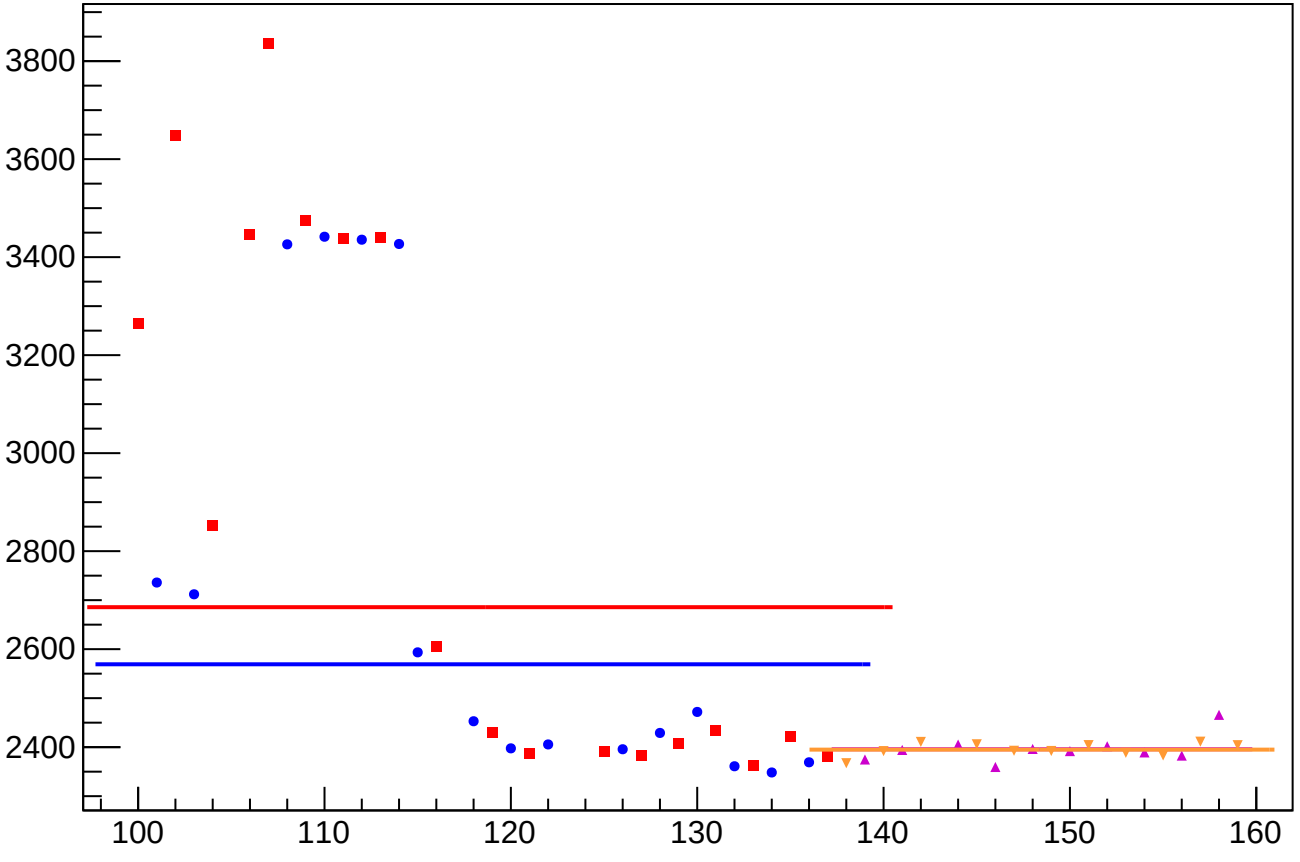
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1757.800+/-620.201 χ^2/NDF:31.4/25

Out: 1996.953+/-632.000 χ^2/NDF:31.3/28

All: 1875.123+/-442.661 χ^2/NDF: 62.7/54

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2394.972+/-0.573 χ^2/NDF:469.1/10

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

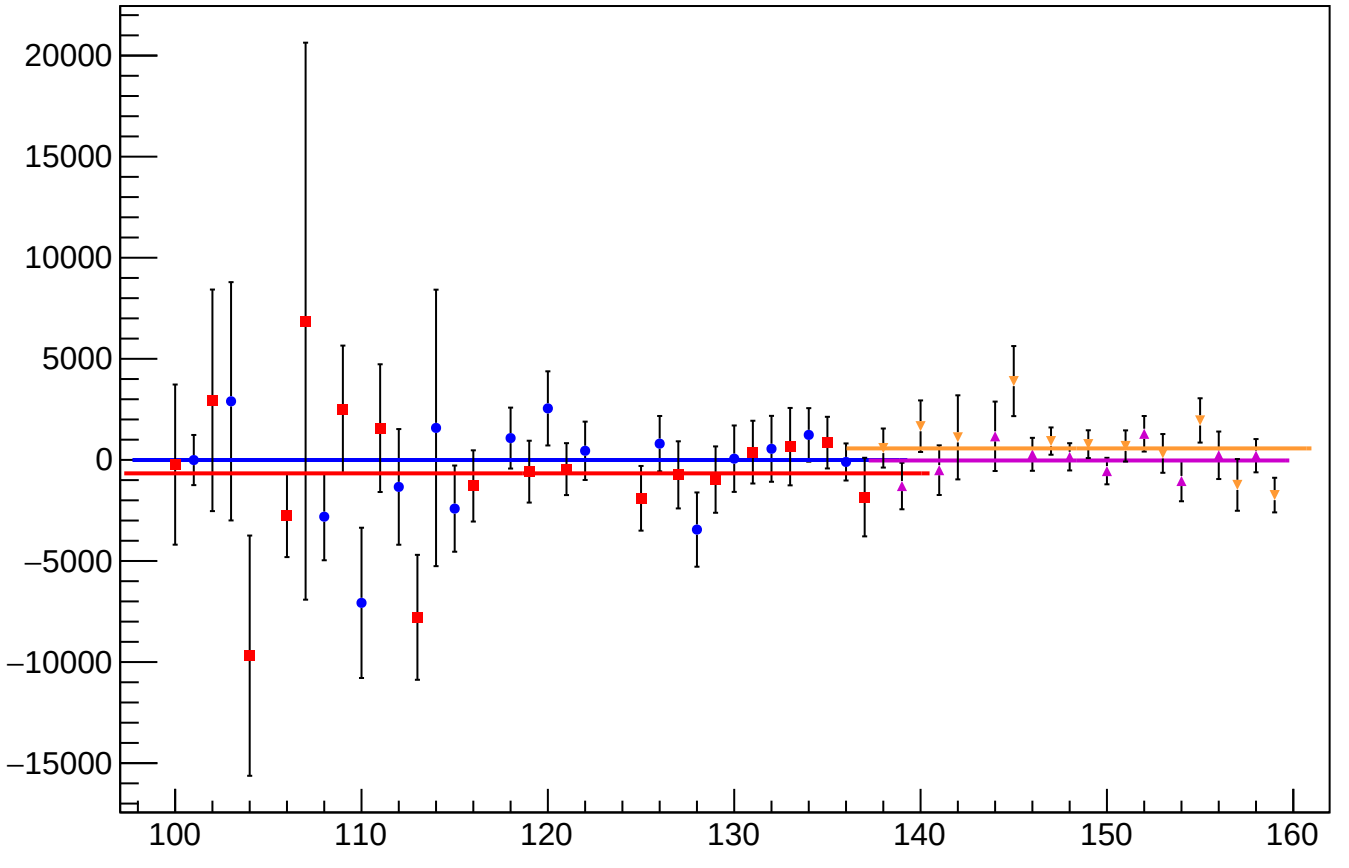
Left: 2395.366+/-0.405 χ^2/NDF: 2562.1/20

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

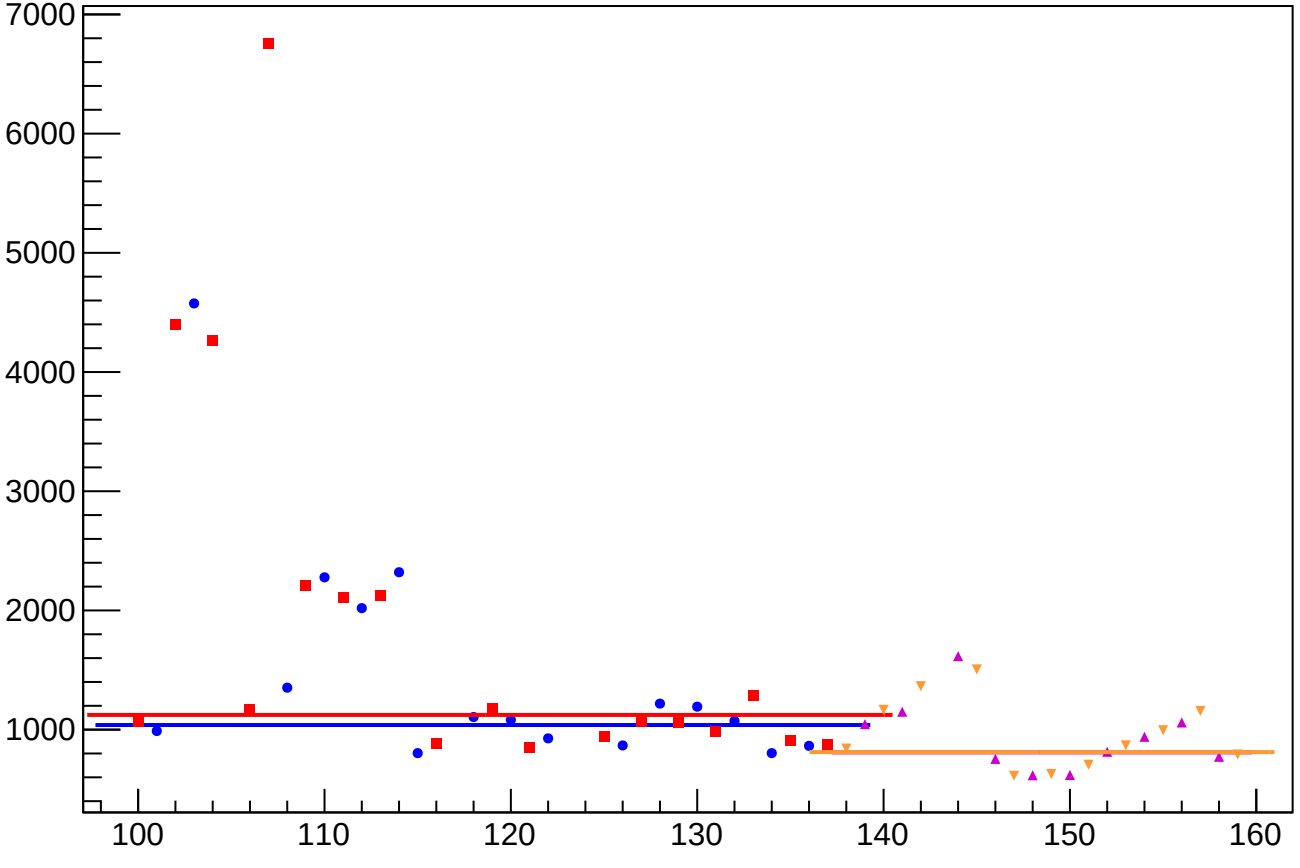
In: 2467.771+/-0.439 χ^2/NDF:269530.6/25

Out: 2508.999+/-0.447 χ^2/NDF:520608.6/28

All: 2487.997+/-0.313 χ^2/NDF: 794475.0/54


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 568.609+/-287.003 χ²/NDF:15.8/10
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: -28.478+/-285.331 χ²/NDF:6.1/9
Left: 268.321+/-202.348 χ²/NDF: 24.1/20
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -20.928+/-234.616 χ²/NDF:20.6/25
Out: 223.238+/-243.572 χ²/NDF:35.4/28
All: 96.583+/-168.976 χ²/NDF: 56.5/54

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 811.816+/-0.203 χ^2/NDF:1181611.9/10

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 809.257+/-0.202 χ^2/NDF:1149126.8/9

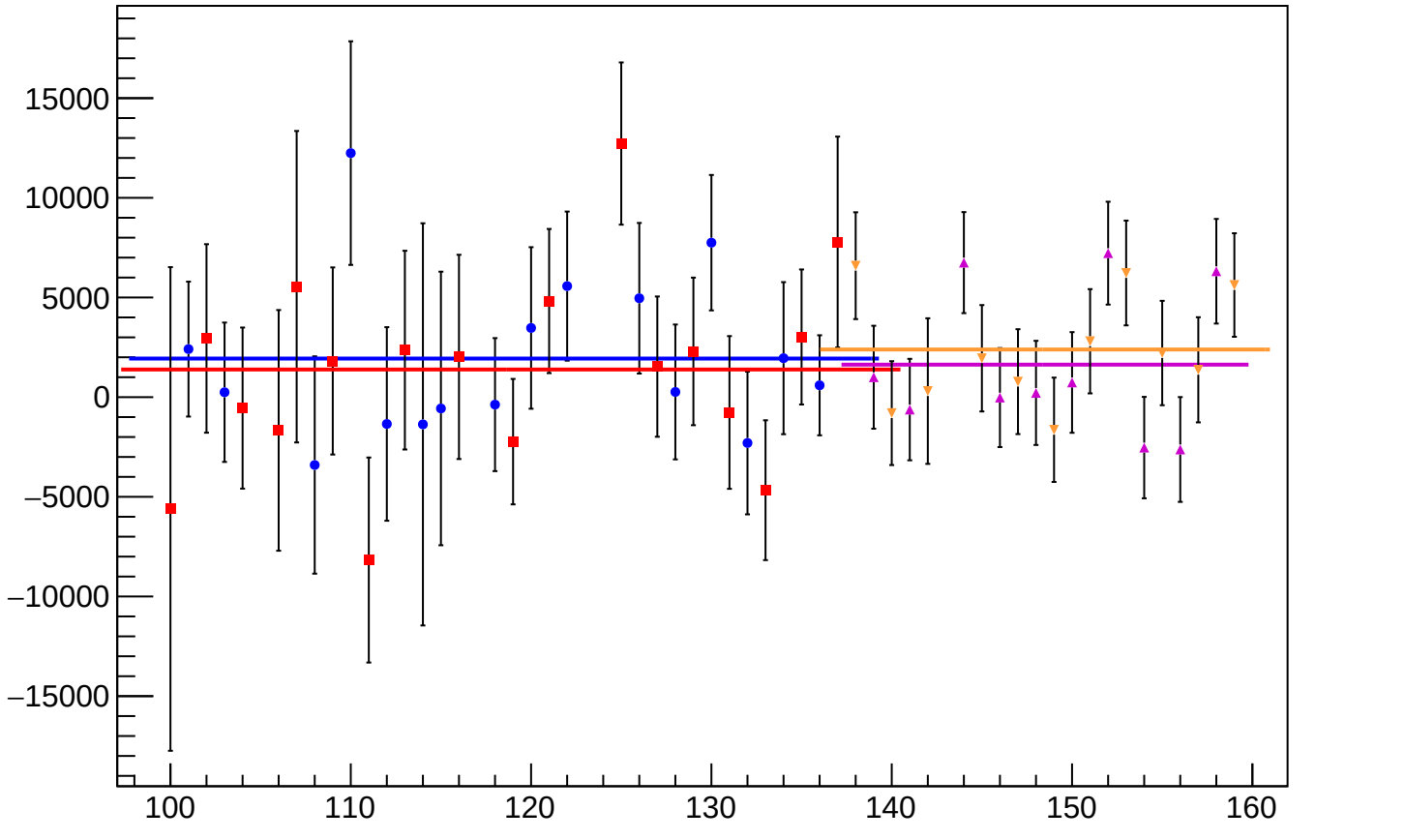
Left: 810.529+/-0.143 χ^2/NDF: 2330818.6/20

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 883.605+/-0.166 χ^2/NDF:3108103.0/25

Out: 899.003+/-0.172 χ^2/NDF:4376884.5/28

All: 891.016+/-0.119 χ^2/NDF: 7489133.5/54



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2390.269+/-810.689 χ^2/NDF:10.9/10

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1631.203+/-811.125 χ^2/NDF:19.0/9

Left: 2010.940+/-573.398 χ^2/NDF: 30.3/20

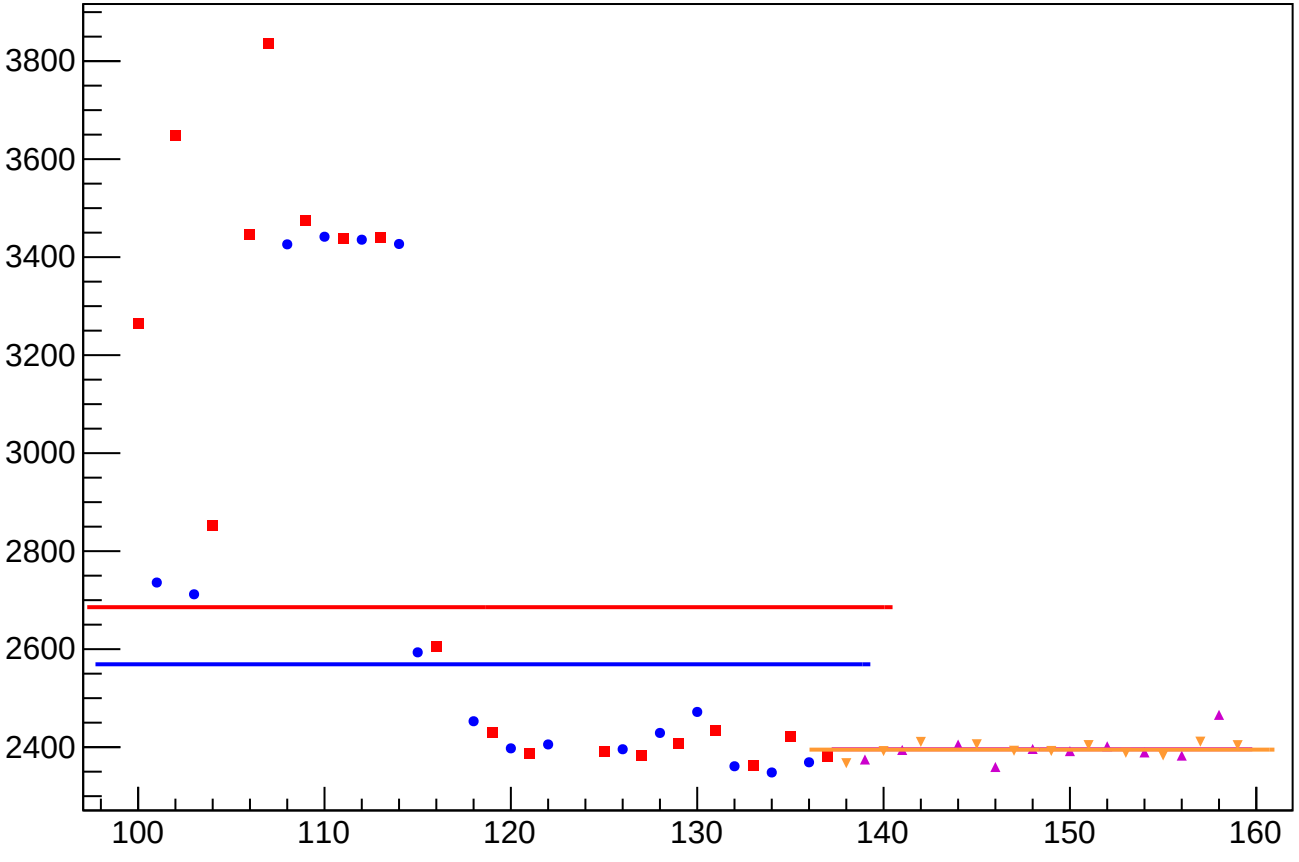
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1757.799+/-620.201 χ^2/NDF:31.4/25

Out: 1996.952+/-632.000 χ^2/NDF:31.3/28

All: 1875.122+/-442.661 χ^2/NDF: 62.7/54

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2394.972+/-0.573 χ^2/NDF:469.1/10

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

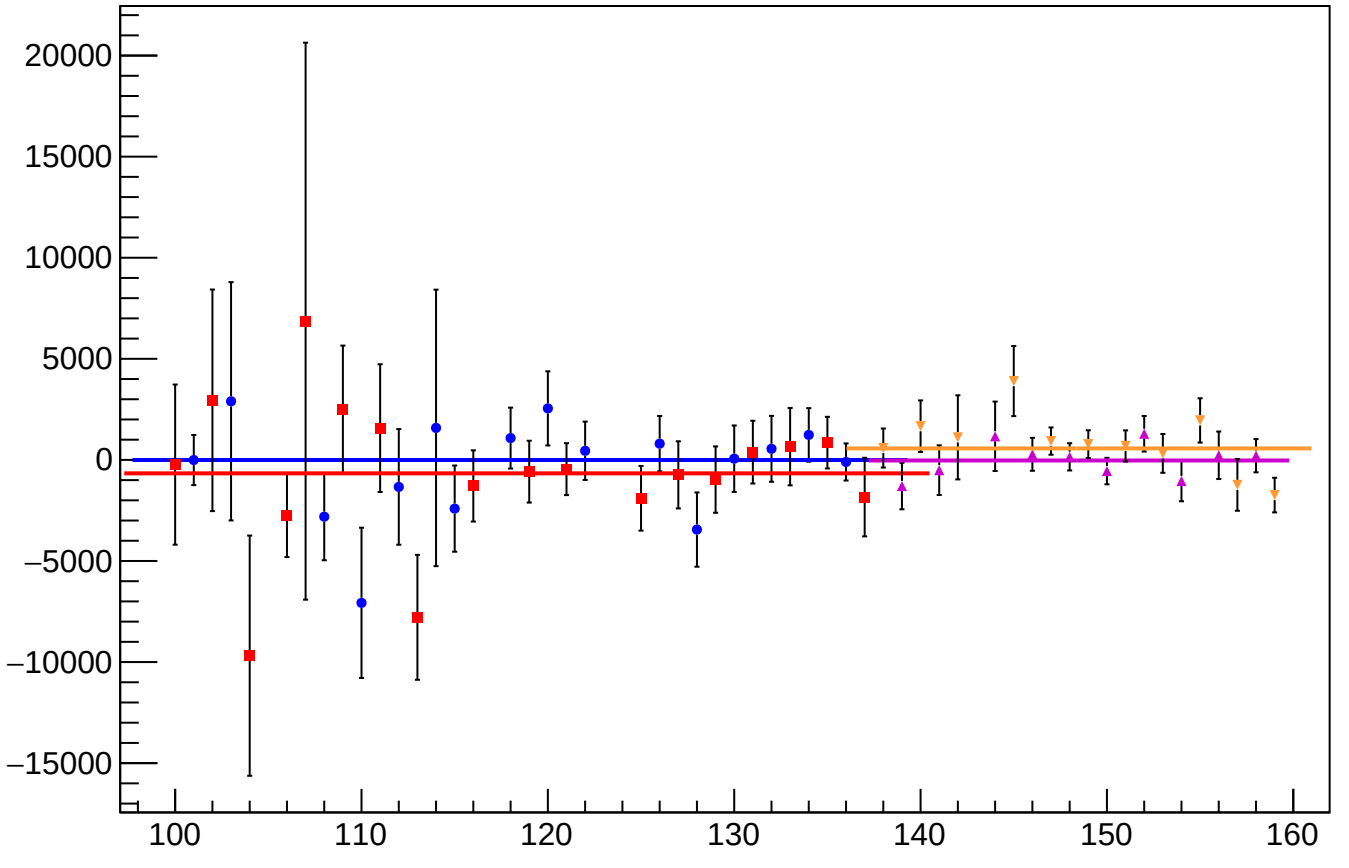
Left: 2395.366+/-0.405 χ^2/NDF: 2562.1/20

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2467.771+/-0.439 χ^2/NDF:269530.2/25

Out: 2508.999+/-0.447 χ^2/NDF:520607.7/28

All: 2487.997+/-0.313 χ^2/NDF: 794473.7/54



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 568.608+/-287.004 χ^2/NDF:15.8/10

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -28.477+/-285.332 χ^2/NDF:6.1/9

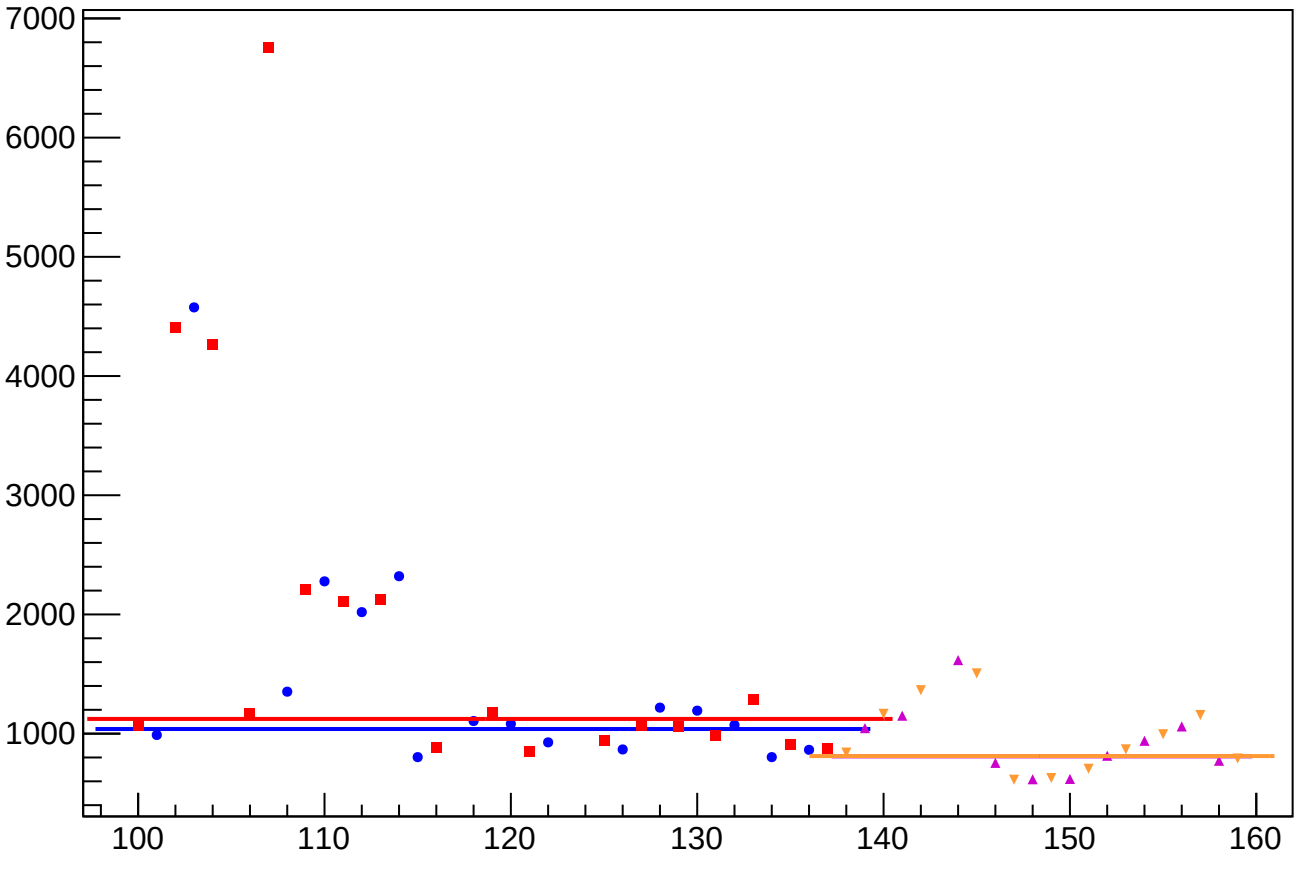
Left: 268.322+/-202.349 χ^2/NDF: 24.1/20

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -20.928+/-234.616 χ^2/NDF:20.6/25

Out: 223.236+/-243.573 χ^2/NDF:35.4/28

All: 96.583+/-168.976 χ^2/NDF: 56.5/54



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 811.817+/-0.203 χ^2/NDF:1181609.6/10

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 809.259+/-0.202 χ^2/NDF:1149124.2/9

Left: 810.530+/-0.143 χ^2/NDF: 2330813.7/20

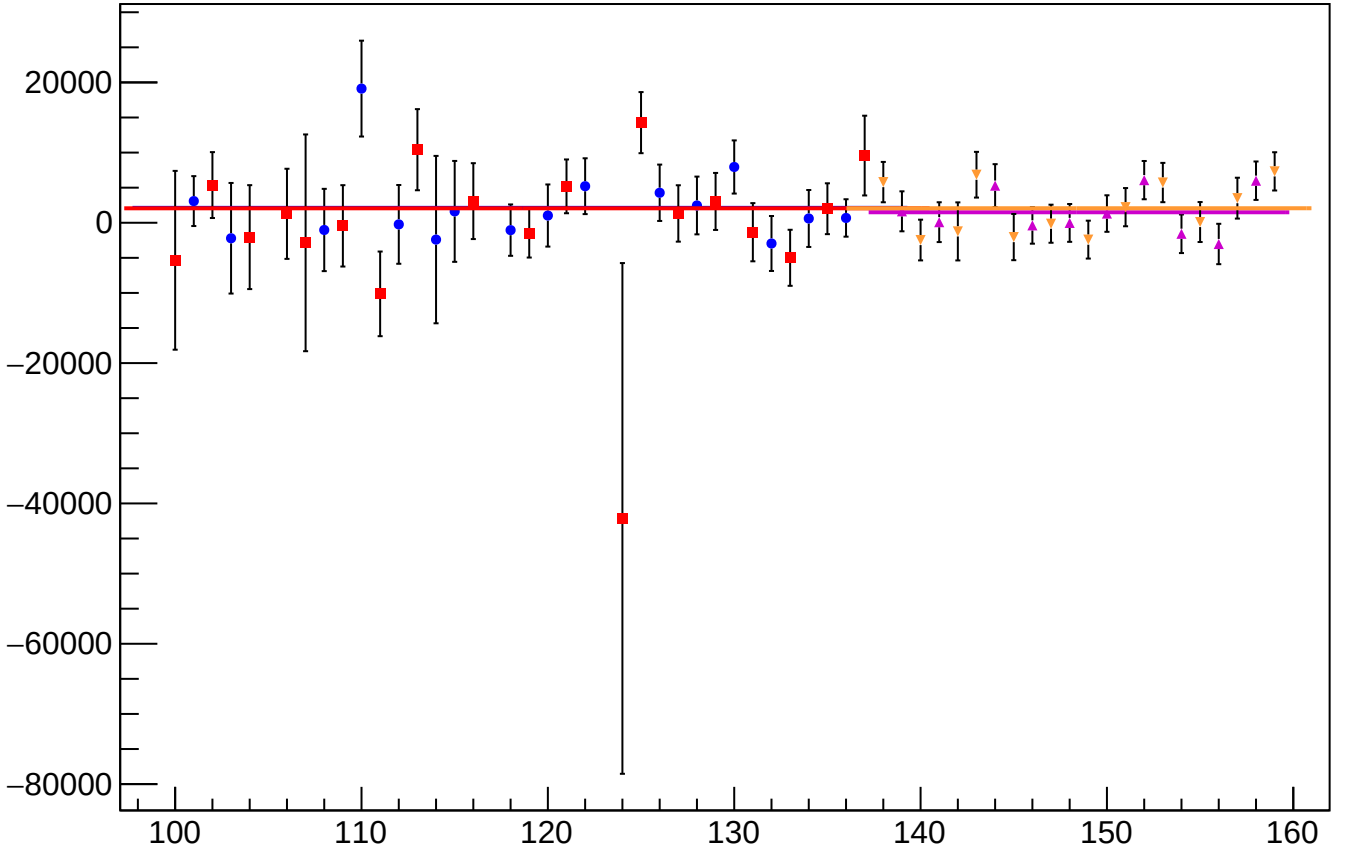
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 883.606+/-0.166 χ^2/NDF:3108090.9/25

Out: 899.004+/-0.172 χ^2/NDF:4376874.3/28

All: 891.017+/-0.119 χ^2/NDF: 7489111.2/54

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 2068.187+/-846.484 χ^2/NDF:18.0/11

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1496.258+/-874.773 χ^2/NDF:11.8/9

Left: 1791.619+/-608.310 χ^2/NDF: 30.1/21

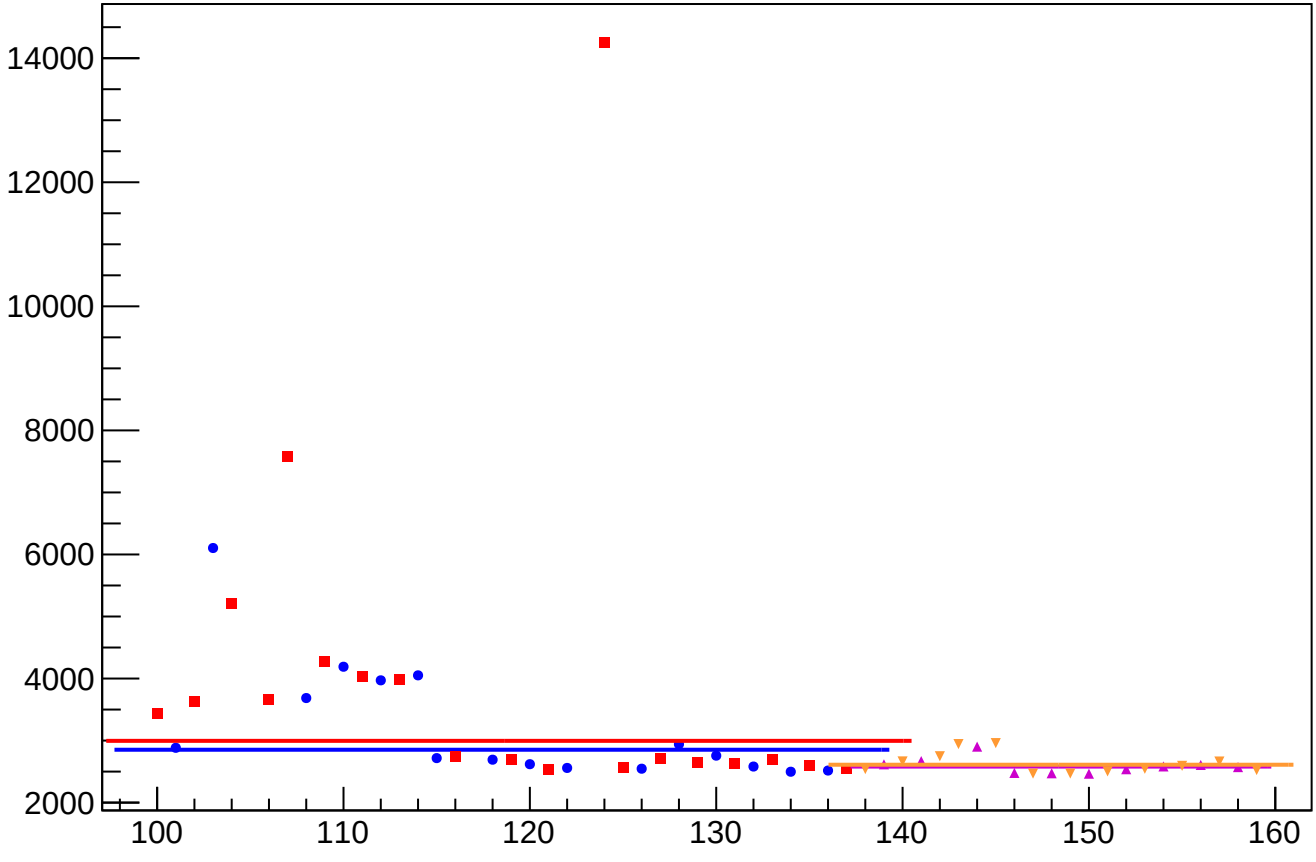
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1742.847+/-680.930 χ^2/NDF:25.4/25

Out: 2065.175+/-678.938 χ^2/NDF:42.3/30

All: 1904.483+/-480.784 χ^2/NDF: 67.9/56

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2610.501+/-0.599 χ^2/NDF:65325.8/11

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2580.551+/-0.619 χ^2/NDF:35154.9/9

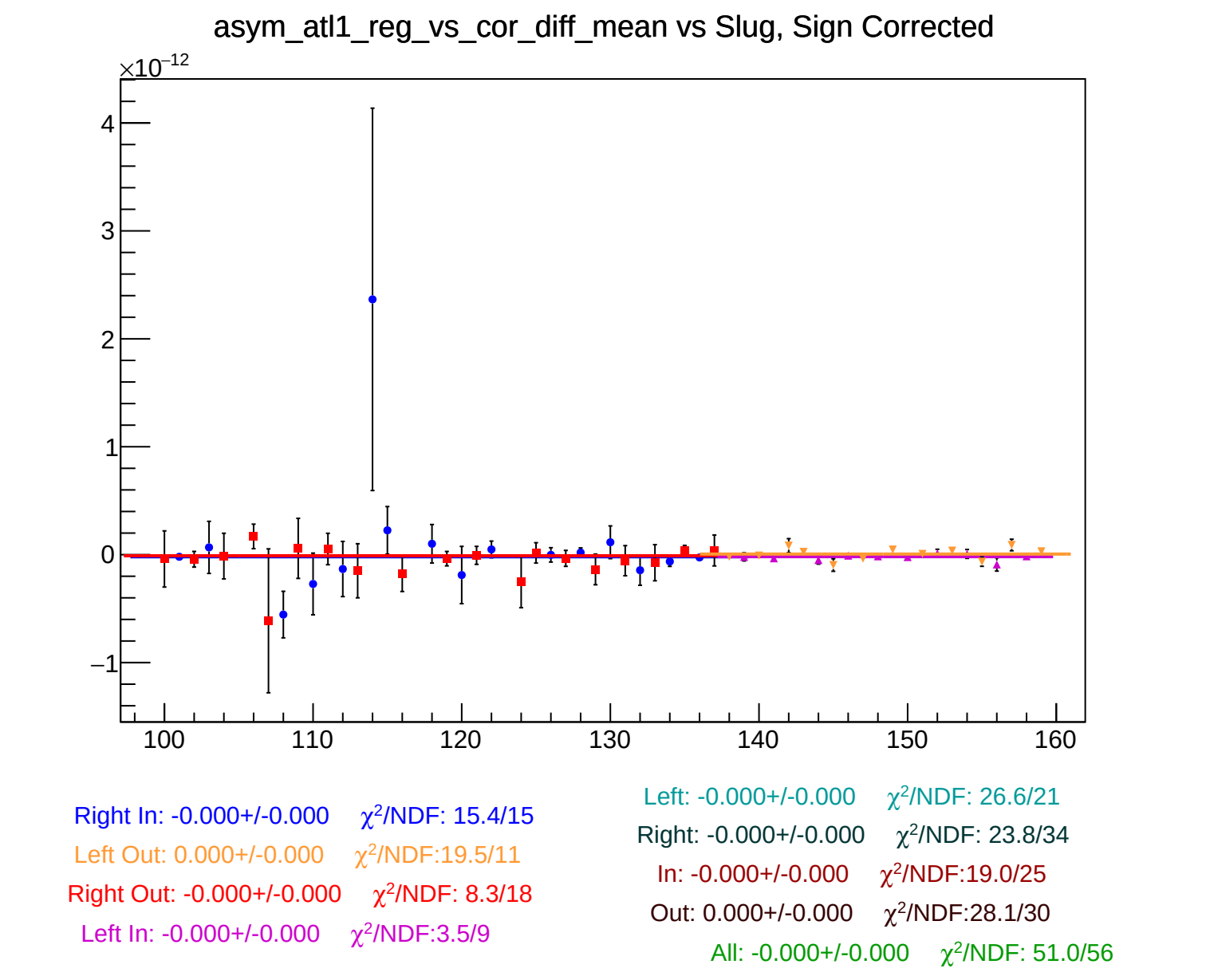
Left: 2596.018+/-0.430 χ^2/NDF: 101691.4/21

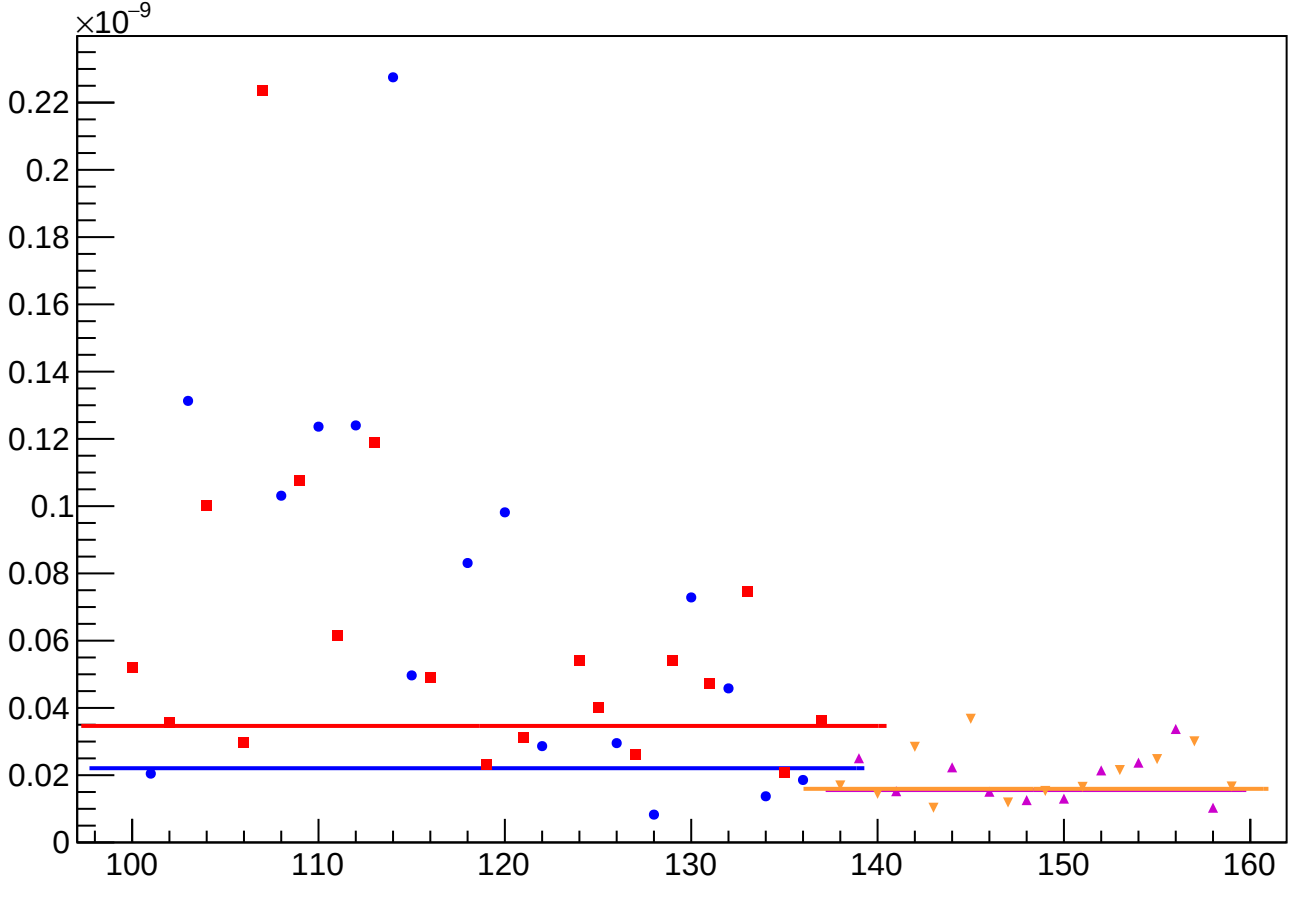
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2687.605+/-0.481 χ^2/NDF:759878.2/25

Out: 2747.834+/-0.480 χ^2/NDF:1192083.8/30

All: 2717.808+/-0.340 χ^2/NDF: 1959808.5/56


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
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:19.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.5/9
Left: -0.000+/-0.000 χ²/NDF: 26.6/21
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:19.0/25
Out: 0.000+/-0.000 χ²/NDF:28.1/30
All: -0.000+/-0.000 χ²/NDF: 51.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:852891.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:696381.8/9

Left: 0.000+/-0.000 χ^2/NDF: 1550926.1/21

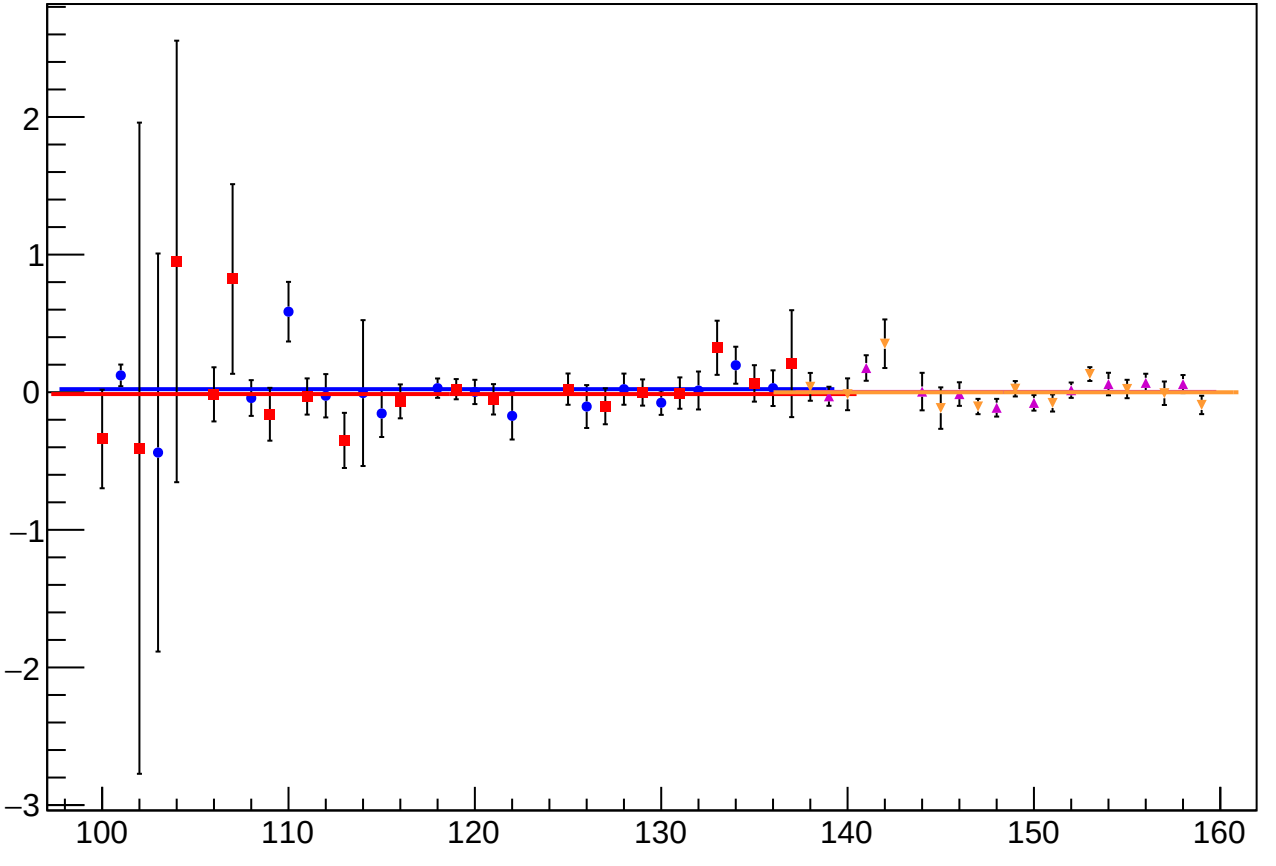
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3262908.6/25

Out: 0.000+/-0.000 χ^2/NDF:3140659.3/30

All: 0.000+/-0.000 χ^2/NDF: 6416882.5/56

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

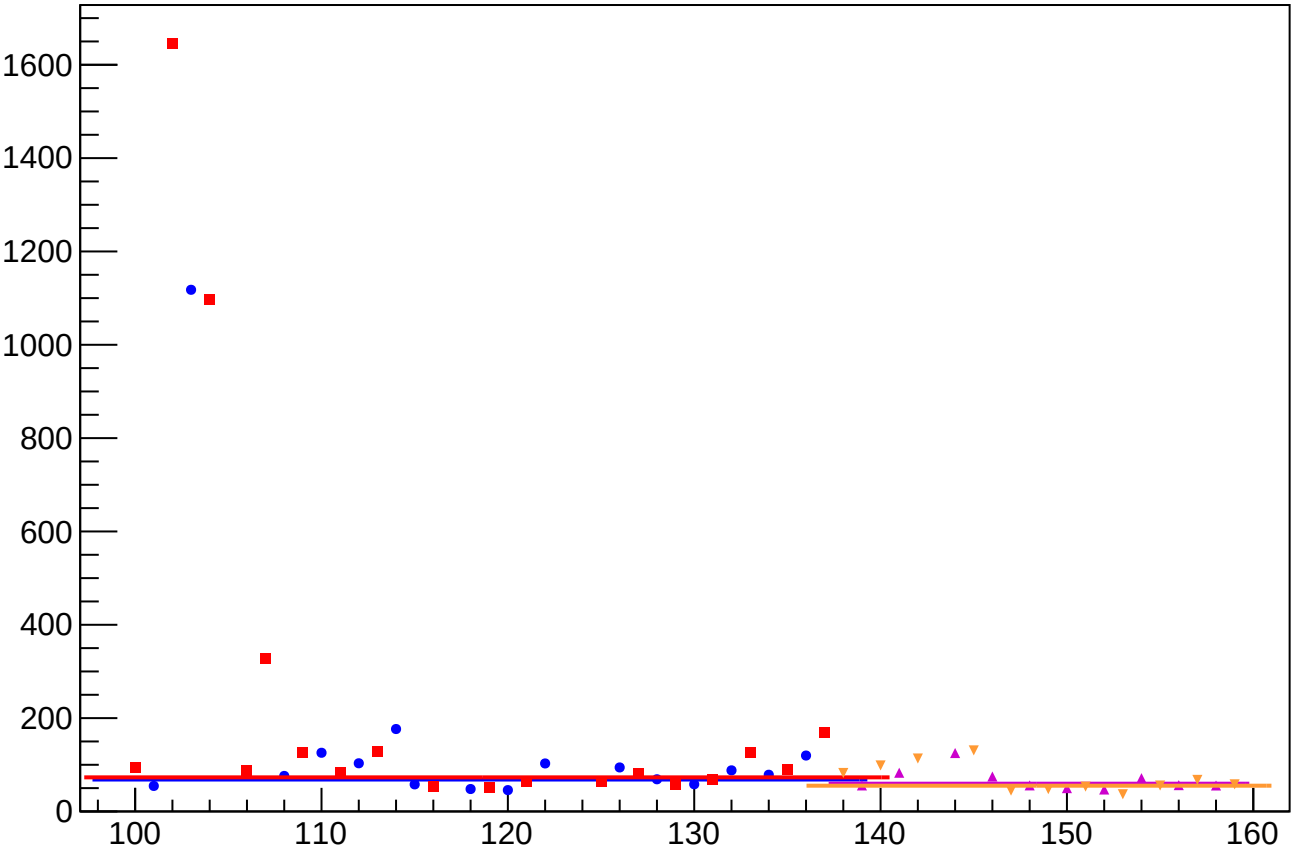
Left: 0.001+/-0.016 χ^2/NDF: 30.2/20

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.003+/-0.013 χ^2/NDF: 56.5/54



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.195+/-0.015 χ^2/NDF:1570020.4/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

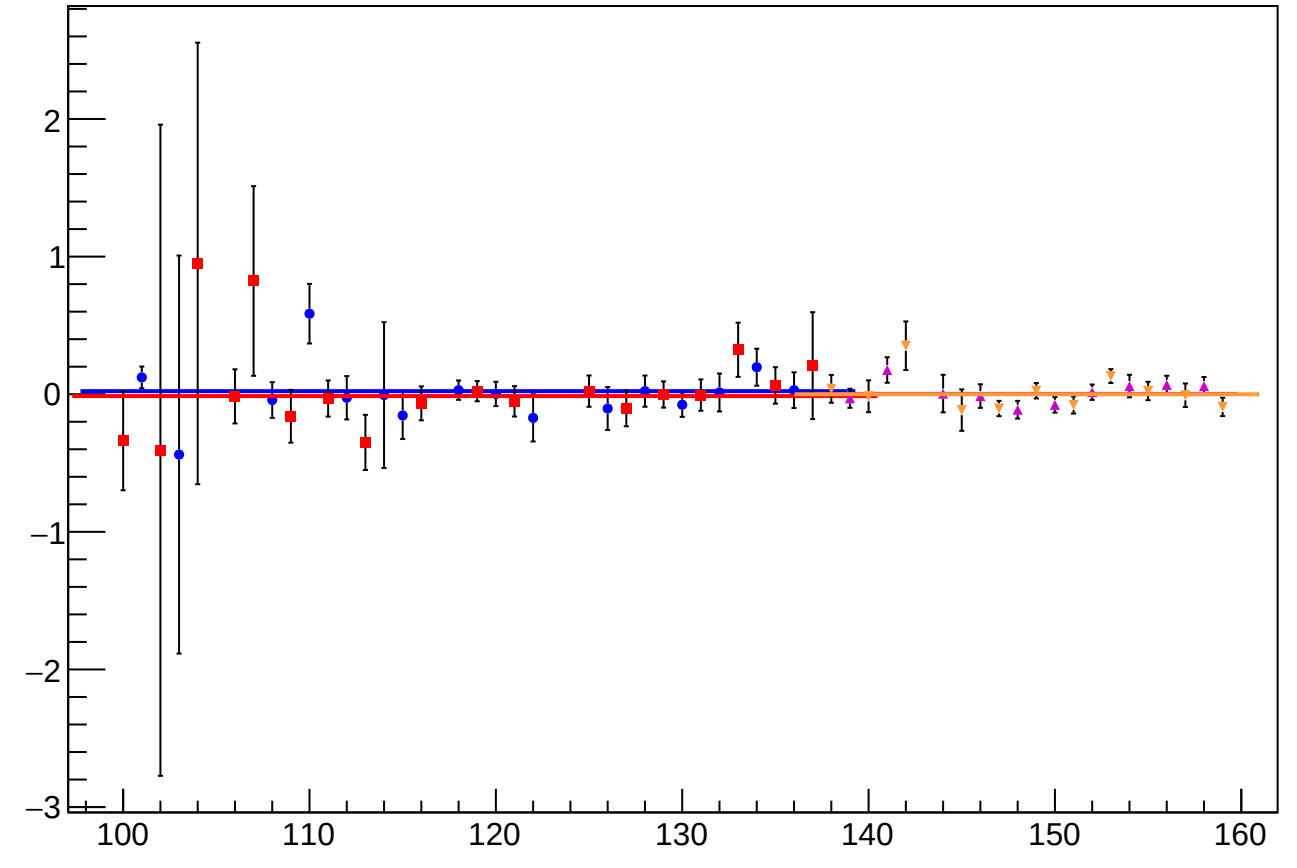
Left: 57.267+/-0.011 χ^2/NDF: 2486485.2/20

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.650+/-0.013 χ^2/NDF:3270644.1/25

Out: 60.470+/-0.013 χ^2/NDF:4885198.1/28

All: 61.573+/-0.009 χ^2/NDF: 8170398.3/54



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

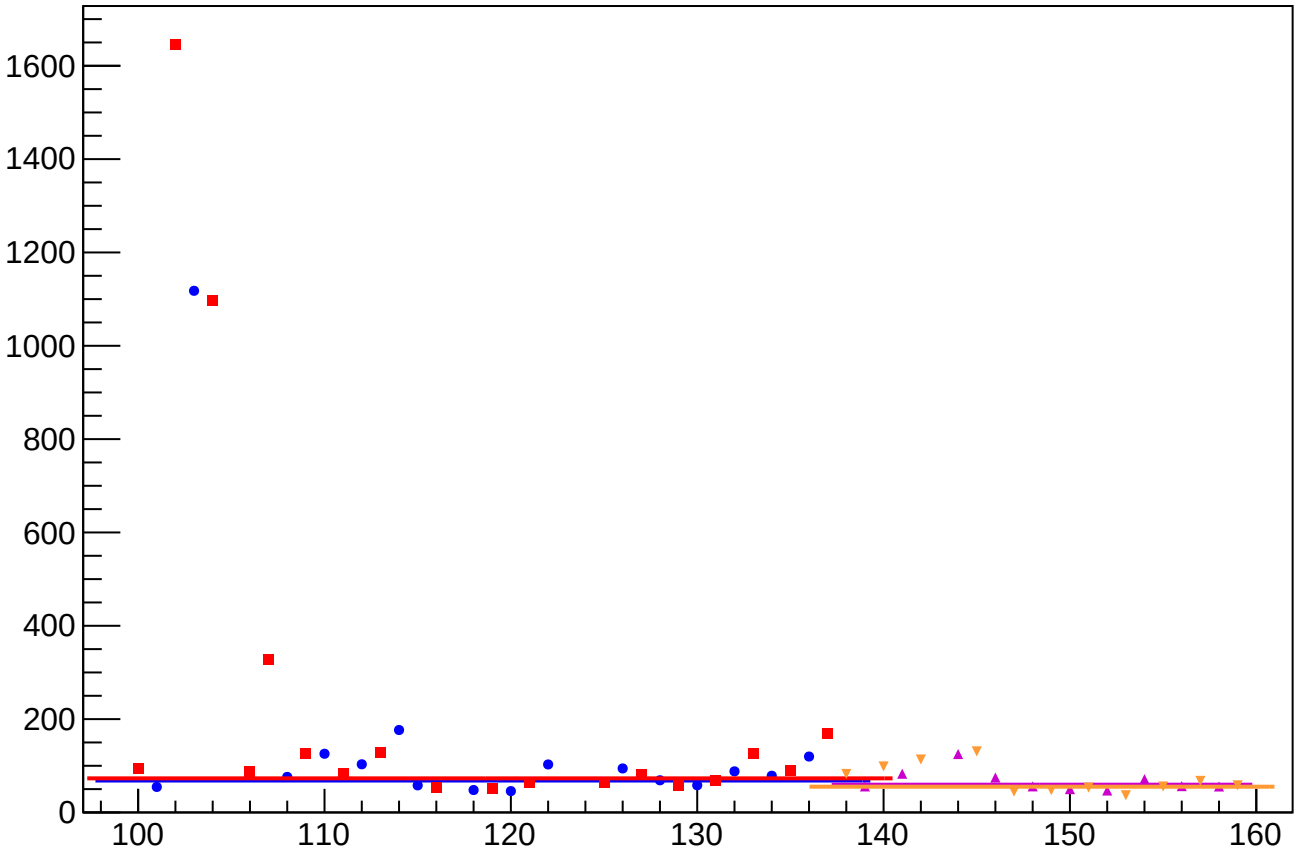
Left: 0.001+/-0.016 χ^2/NDF: 30.2/20

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.003+/-0.013 χ^2/NDF: 56.5/54



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.195+/-0.015 χ^2/NDF:1570020.4/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

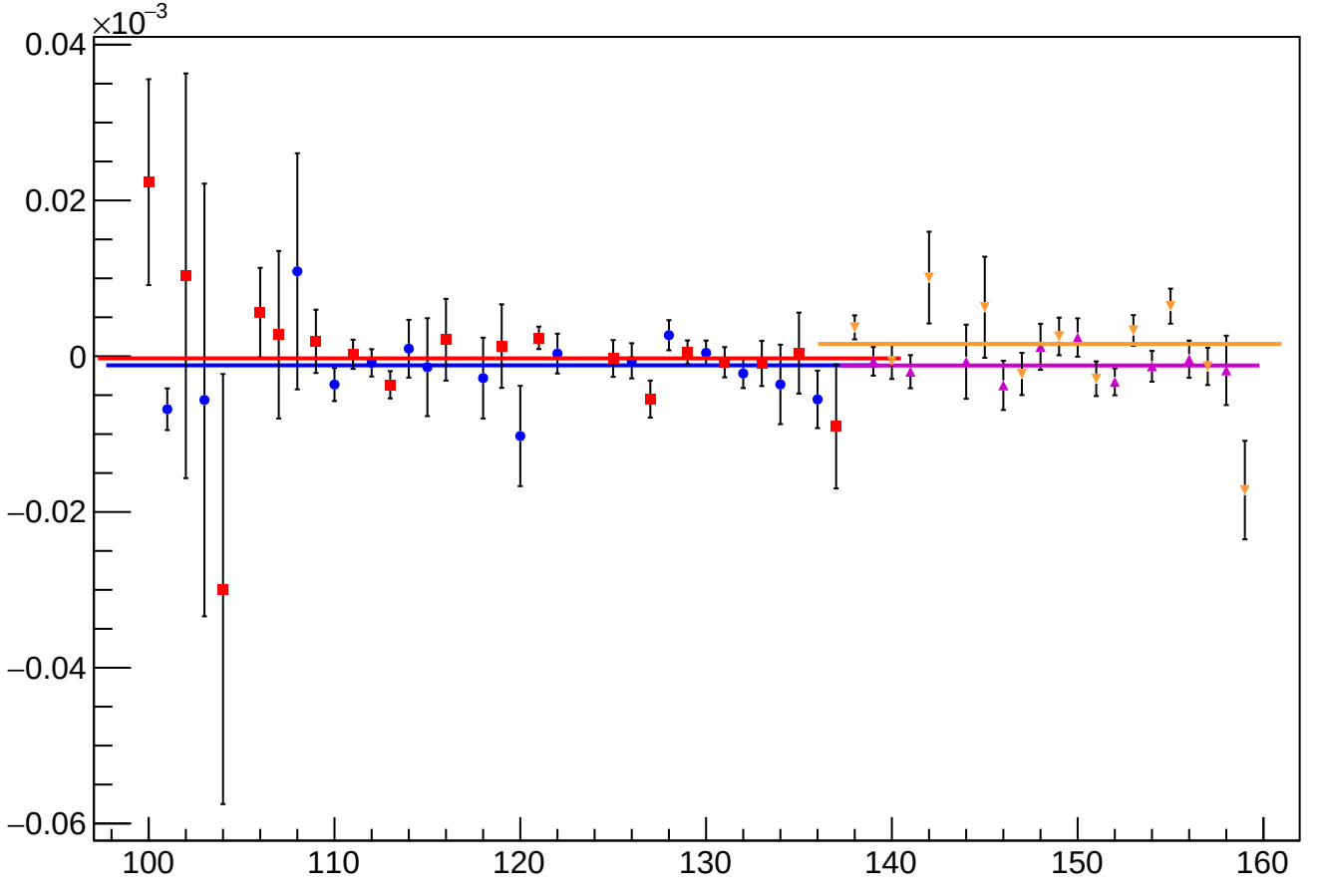
Left: 57.267+/-0.011 χ^2/NDF: 2486485.2/20

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.650+/-0.013 χ^2/NDF:3270644.1/25

Out: 60.470+/-0.013 χ^2/NDF:4885198.1/28

All: 61.573+/-0.009 χ^2/NDF: 8170398.3/54



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/9

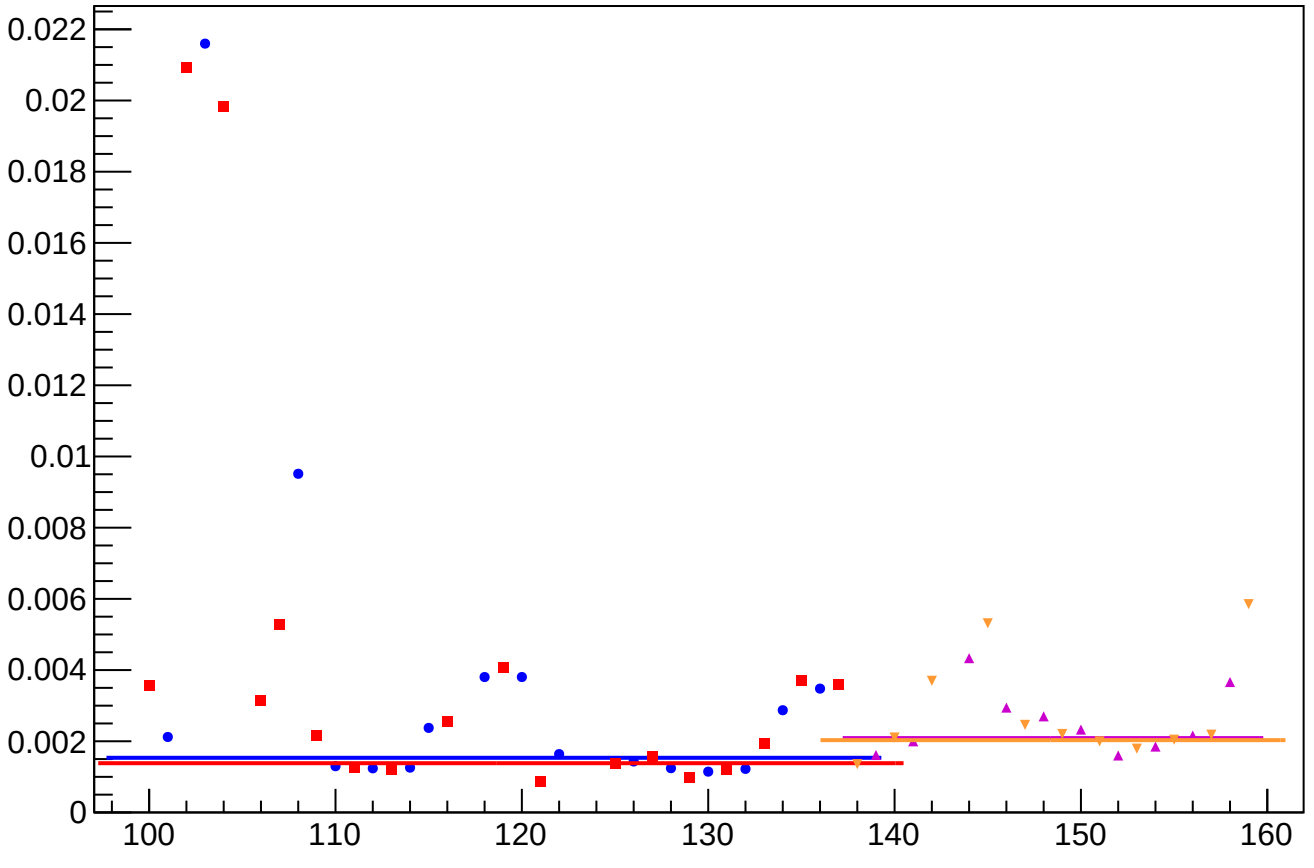
Left: 0.000+/-0.000 χ^2/NDF: 39.5/20

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.6/25

Out: 0.000+/-0.000 χ^2/NDF:50.5/28

All: -0.000+/-0.000 χ^2/NDF: 78.0/54



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1885378.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1274611.2/9

Left: 0.002+/-0.000 χ^2/NDF: 3165988.0/20

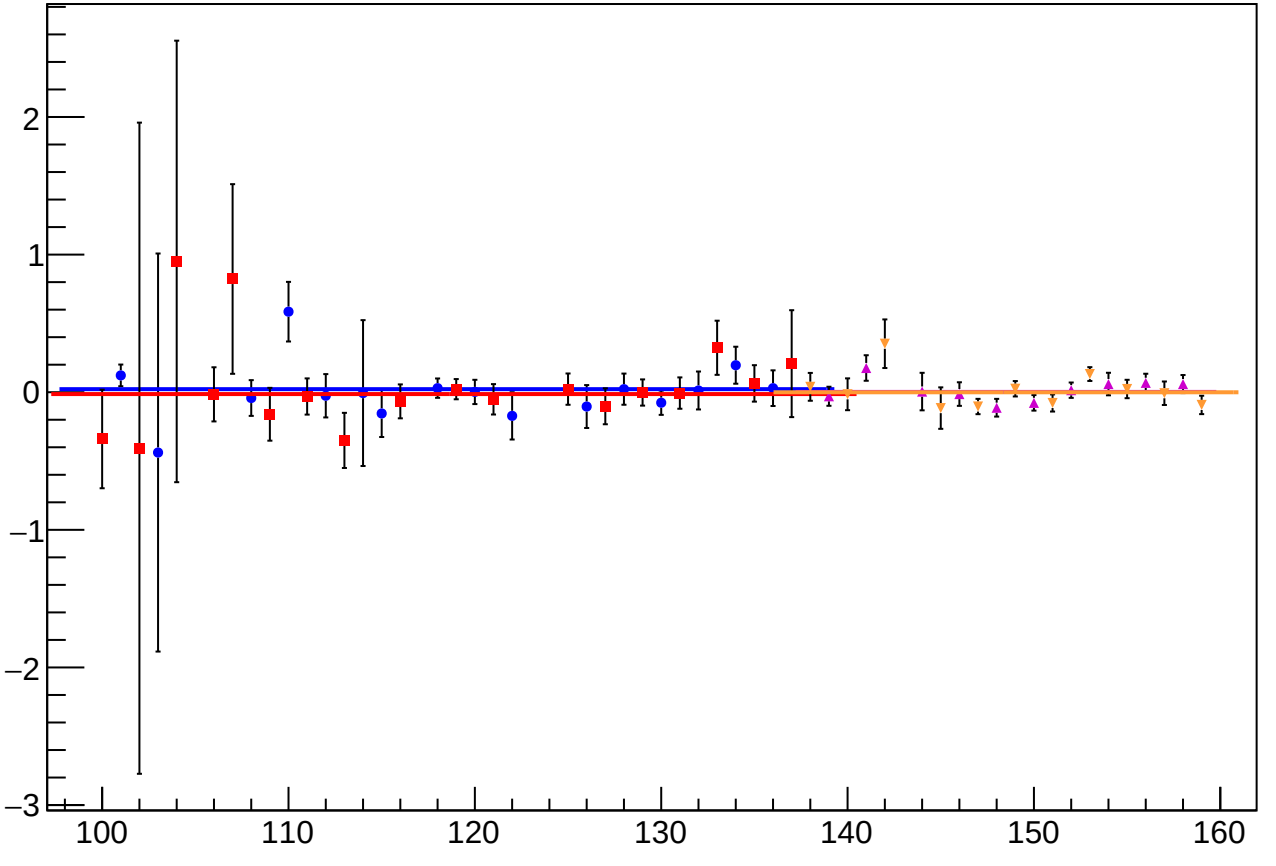
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:5255515.9/25

Out: 0.002+/-0.000 χ^2/NDF:7039380.9/28

All: 0.002+/-0.000 χ^2/NDF: 12355022.7/54

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

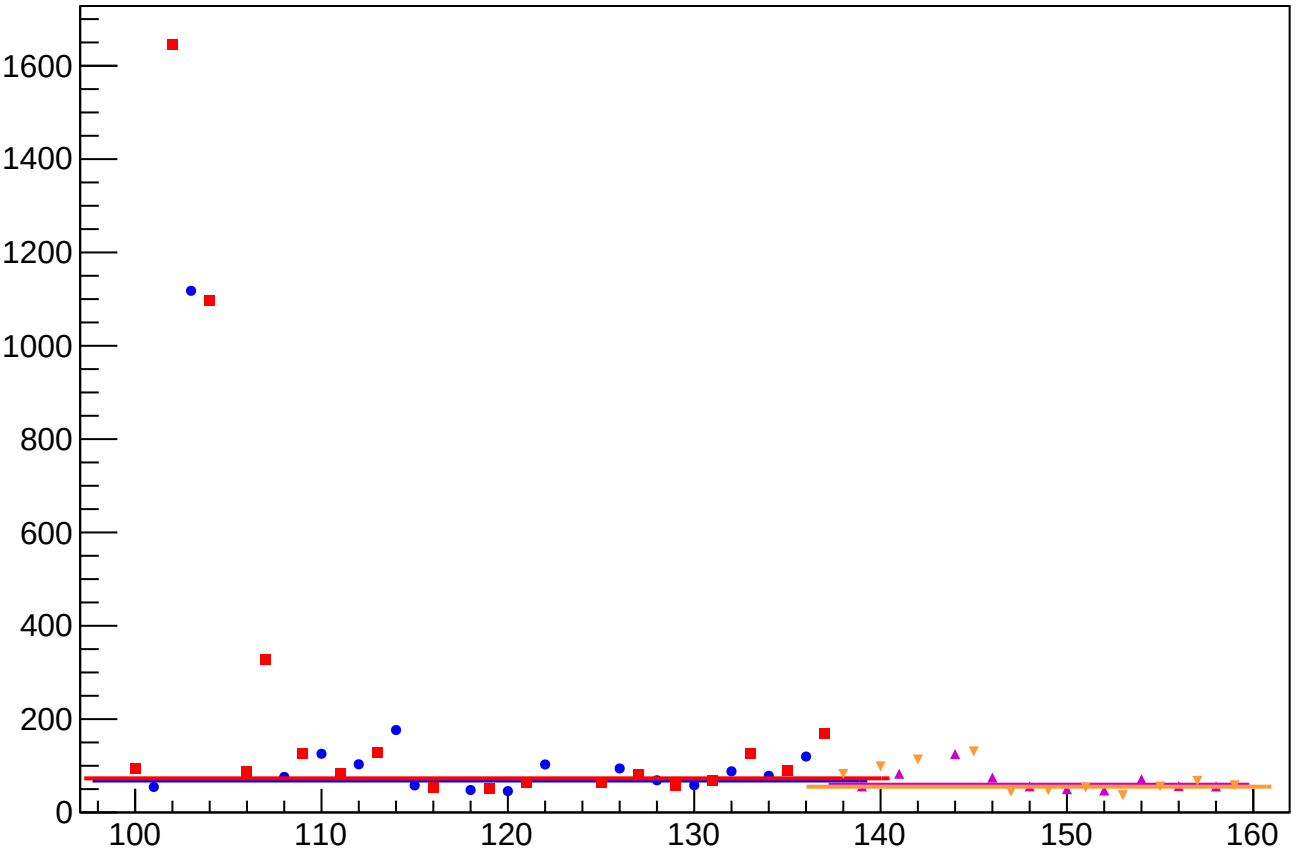
Left: 0.001+/-0.016 χ^2/NDF: 30.2/20

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.003+/-0.013 χ^2/NDF: 56.5/54



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.195+/-0.015 χ^2/NDF:1570085.1/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.474+/-0.016 χ^2/NDF:878655.8/9

Left: 57.267+/-0.011 χ^2/NDF: 2486544.1/20

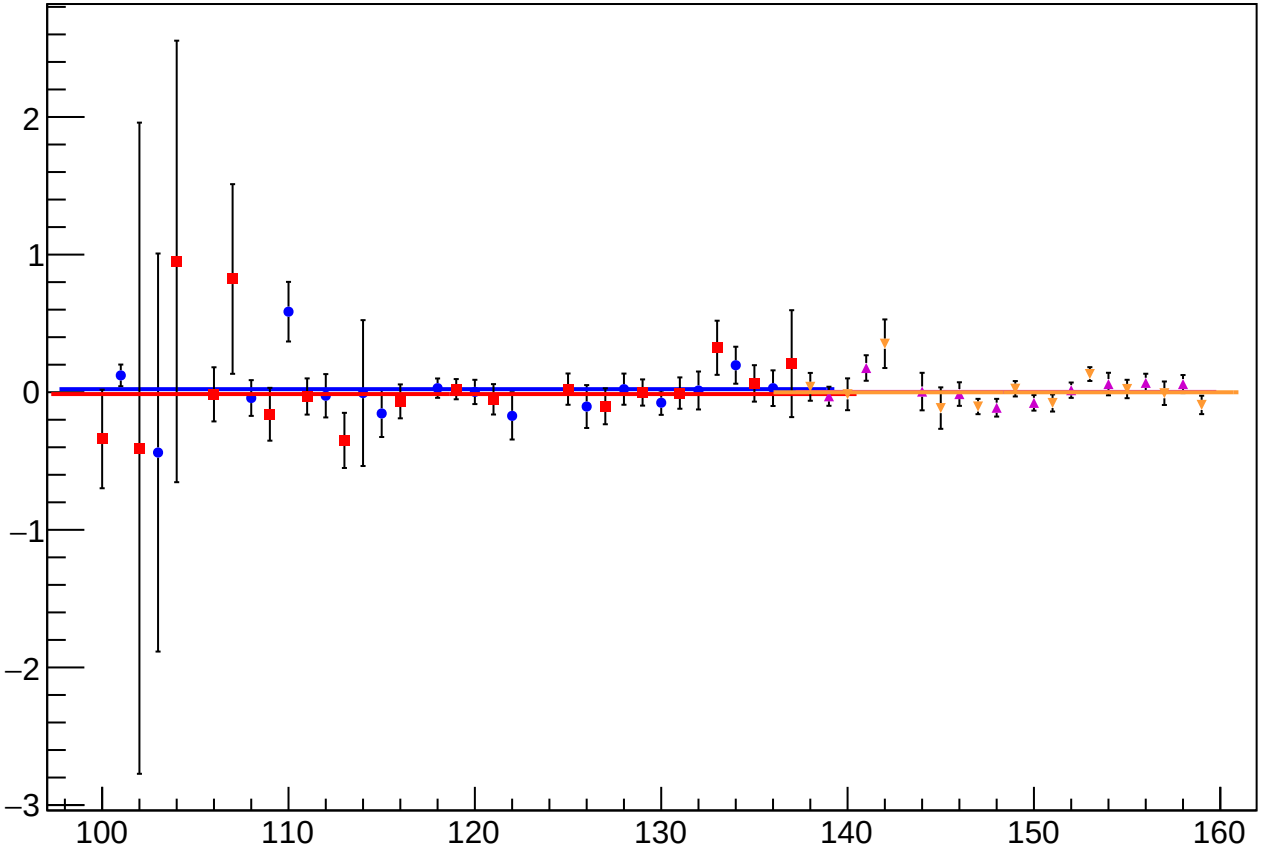
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.650+/-0.013 χ^2/NDF:3270674.7/25

Out: 60.469+/-0.013 χ^2/NDF:4885268.2/28

All: 61.573+/-0.009 χ^2/NDF: 8170503.5/54

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: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

Left: 0.001+/-0.016 χ^2/NDF: 30.2/20

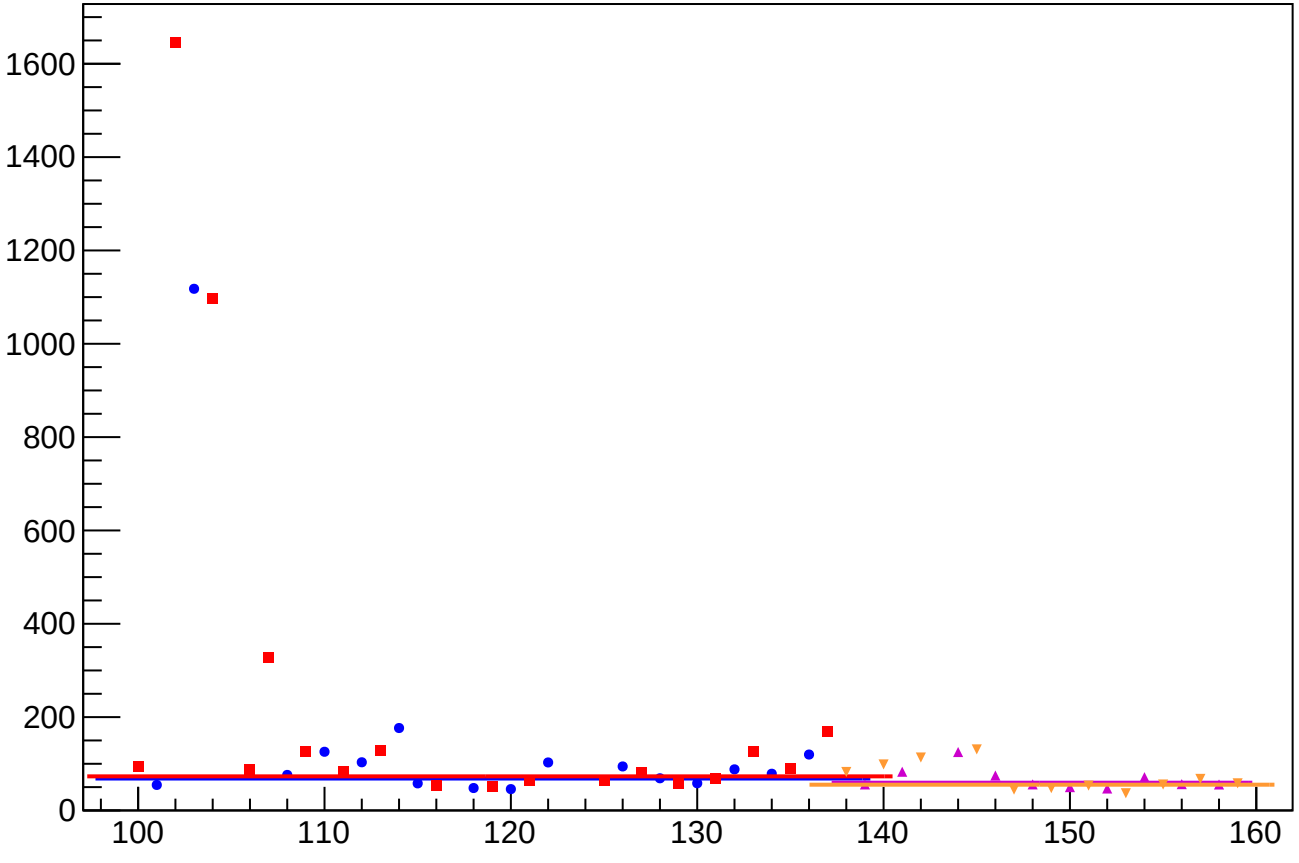
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.003+/-0.013 χ^2/NDF: 56.5/54

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: 55.195+/-0.015 χ^2/NDF:1570085.1/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.474+/-0.016 χ^2/NDF:878655.8/9

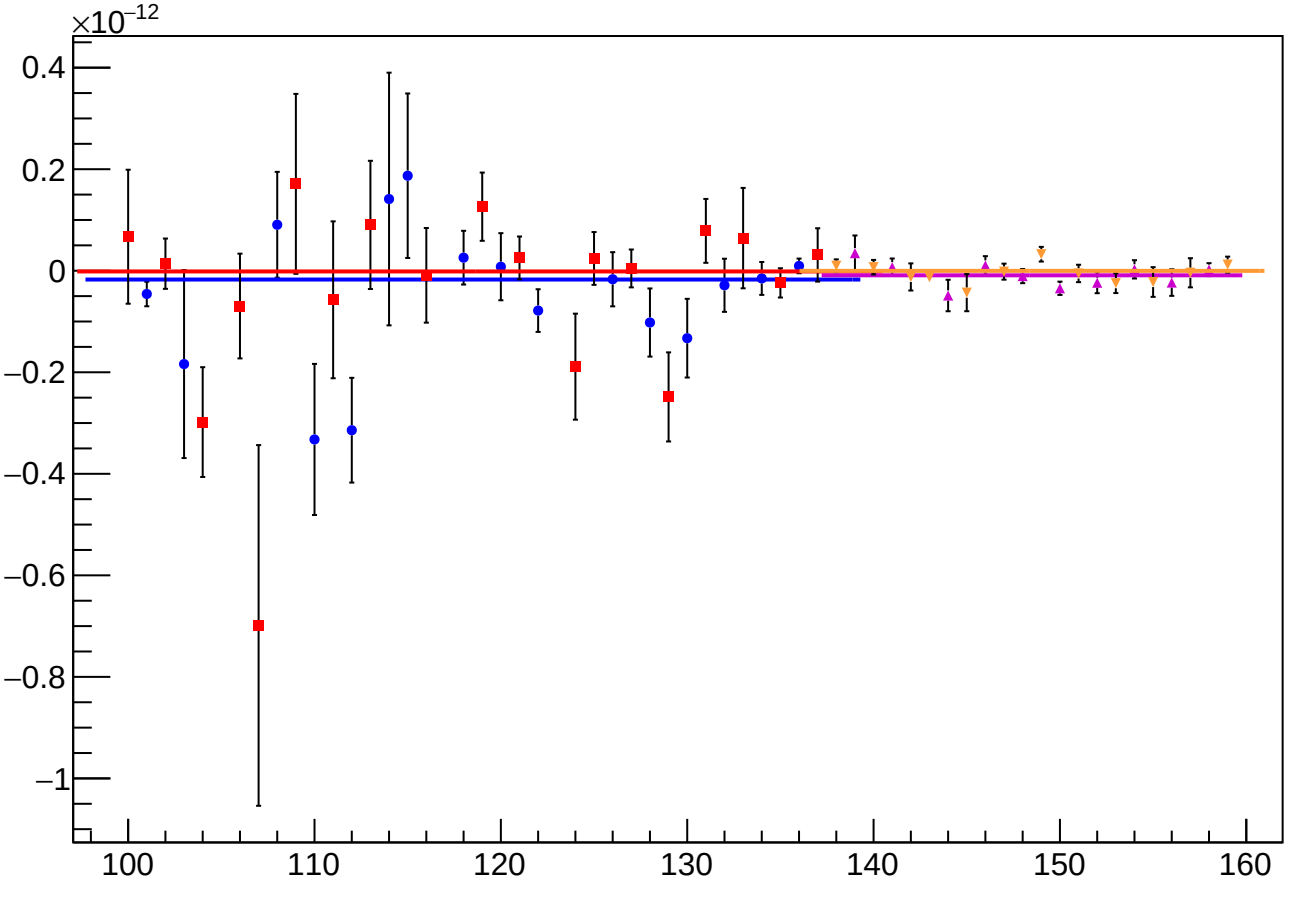
Left: 57.267+/-0.011 χ^2/NDF: 2486544.1/20

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.650+/-0.013 χ^2/NDF:3270674.7/25

Out: 60.469+/-0.013 χ^2/NDF:4885268.2/28

All: 61.573+/-0.009 χ^2/NDF: 8170503.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/9

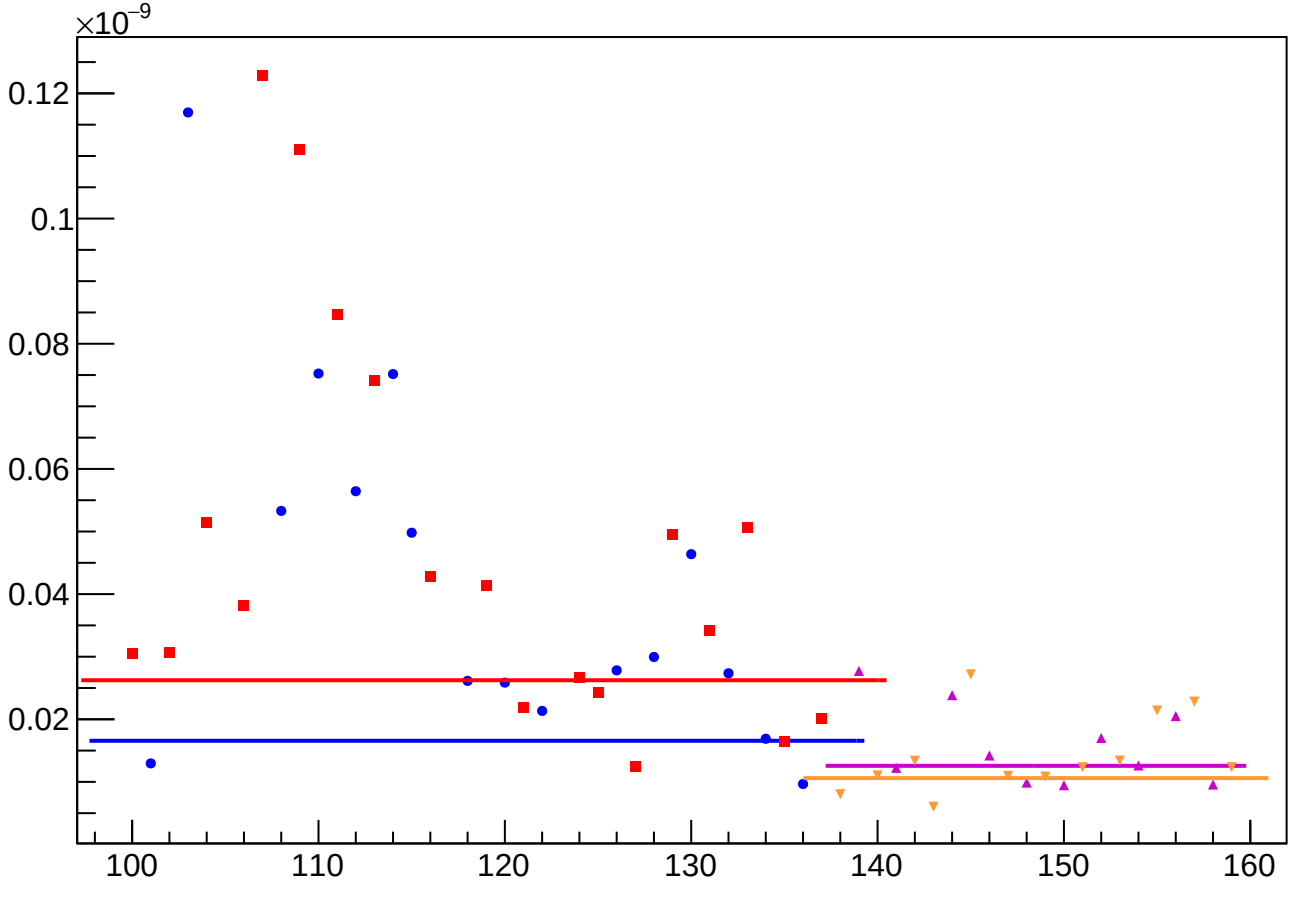
Left: -0.000+/-0.000 χ^2/NDF: 24.7/21

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:39.8/25

Out: -0.000+/-0.000 χ^2/NDF:44.5/30

All: -0.000+/-0.000 χ^2/NDF: 86.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1721952.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1233487.1/9

Left: 0.000+/-0.000 χ^2/NDF: 3102248.5/21

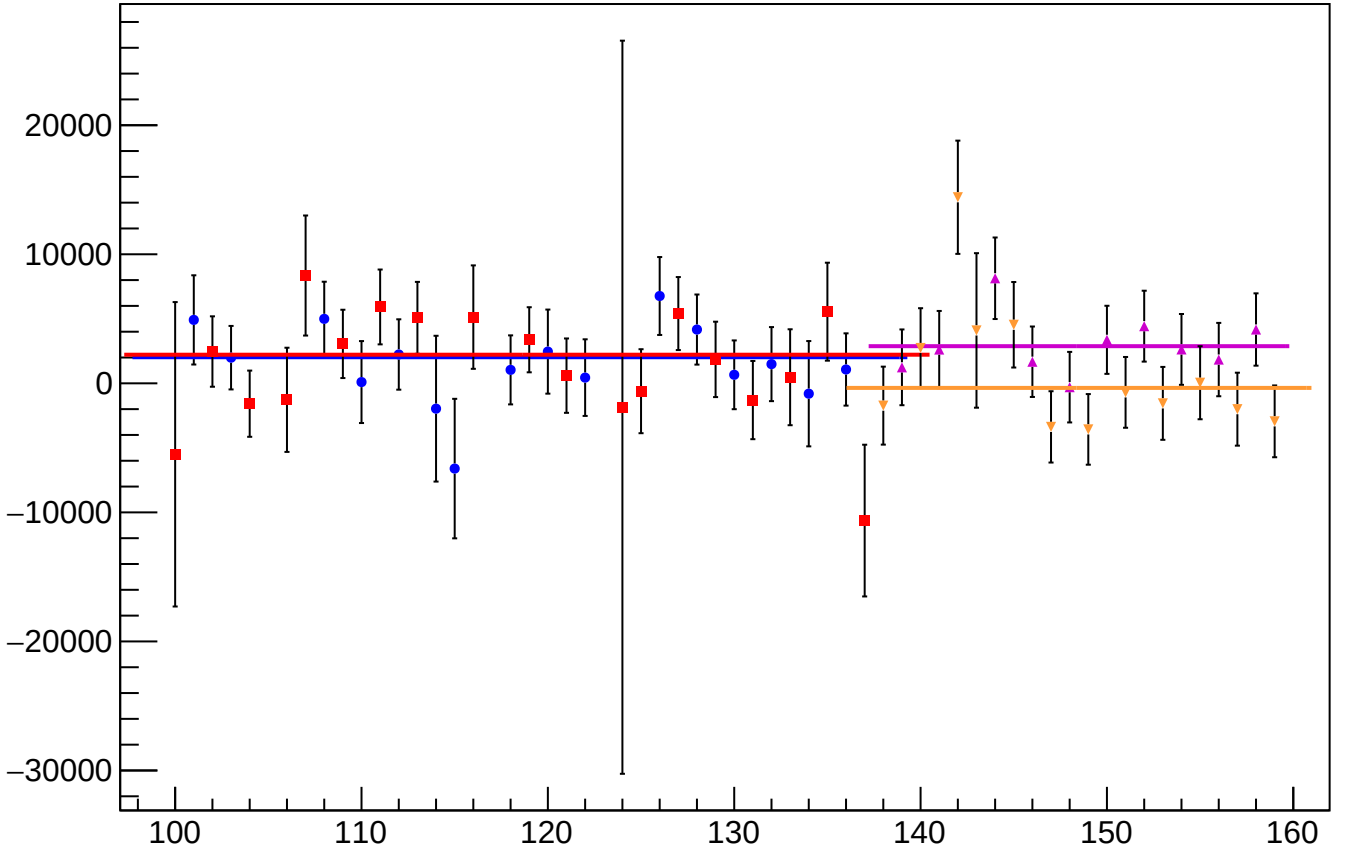
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4301833.3/25

Out: 0.000+/-0.000 χ^2/NDF:6242263.6/30

All: 0.000+/-0.000 χ^2/NDF: 10635723.5/56

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -354.637+/-881.192 χ^2/NDF:19.3/11

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2878.562+/-892.162 χ^2/NDF:5.3/9

Left: 1241.962+/-626.939 χ^2/NDF: 31.3/21

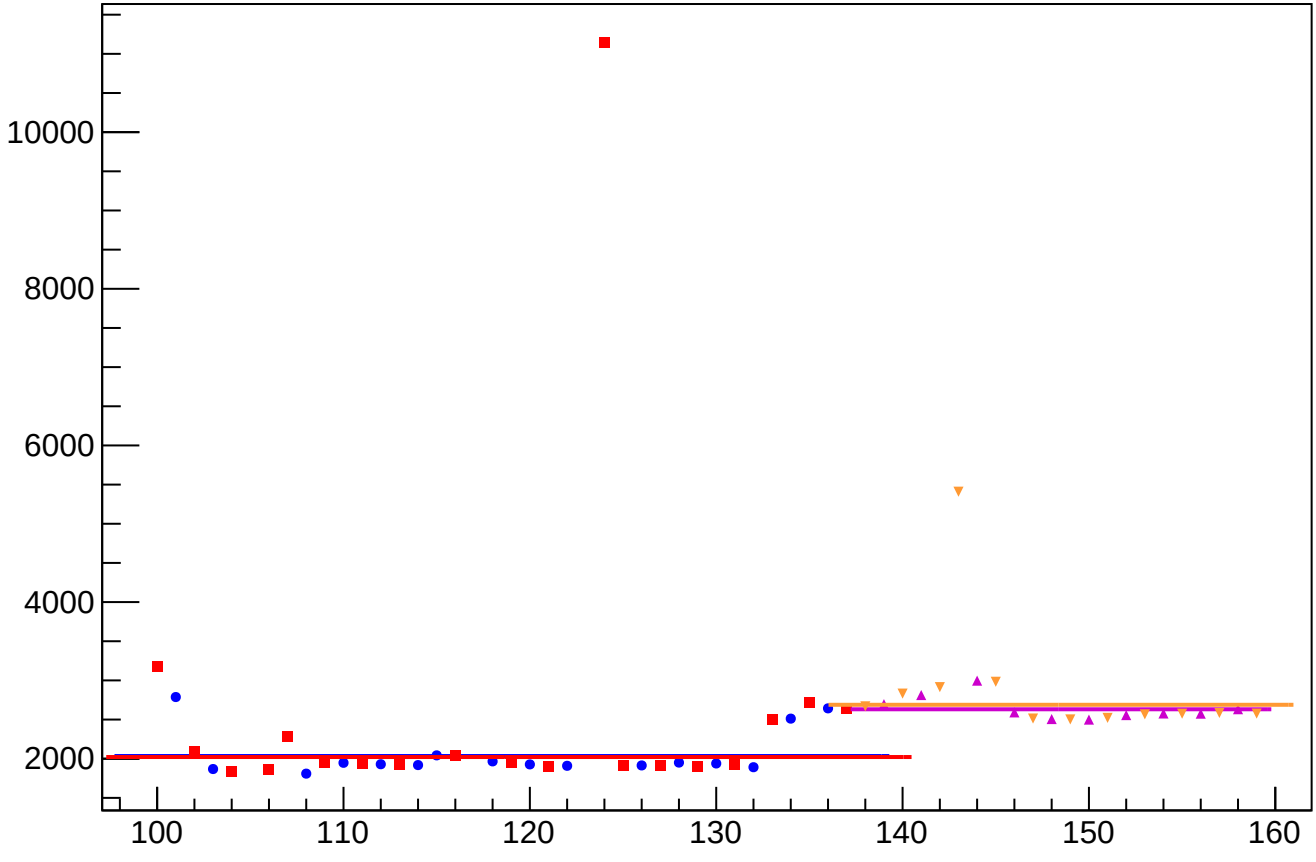
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2384.984+/-580.457 χ^2/NDF:15.5/25

Out: 1126.603+/-573.836 χ^2/NDF:42.3/30

All: 1748.576+/-408.084 χ^2/NDF: 60.2/56

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2688.563+/-0.623 χ^2/NDF:476111.5/11

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2631.149+/-0.631 χ^2/NDF:47751.5/9

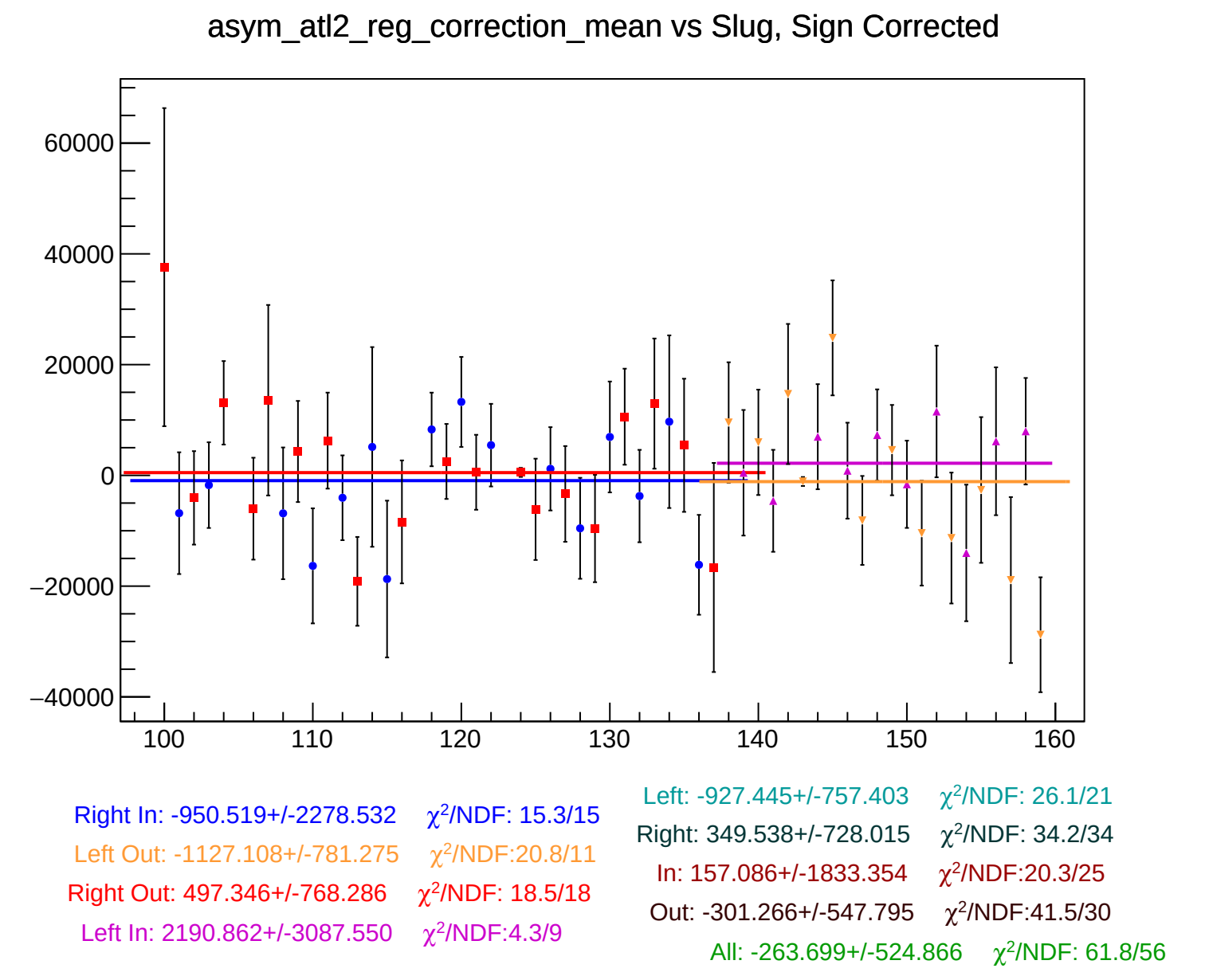
Left: 2660.211+/-0.443 χ^2/NDF: 528055.6/21

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

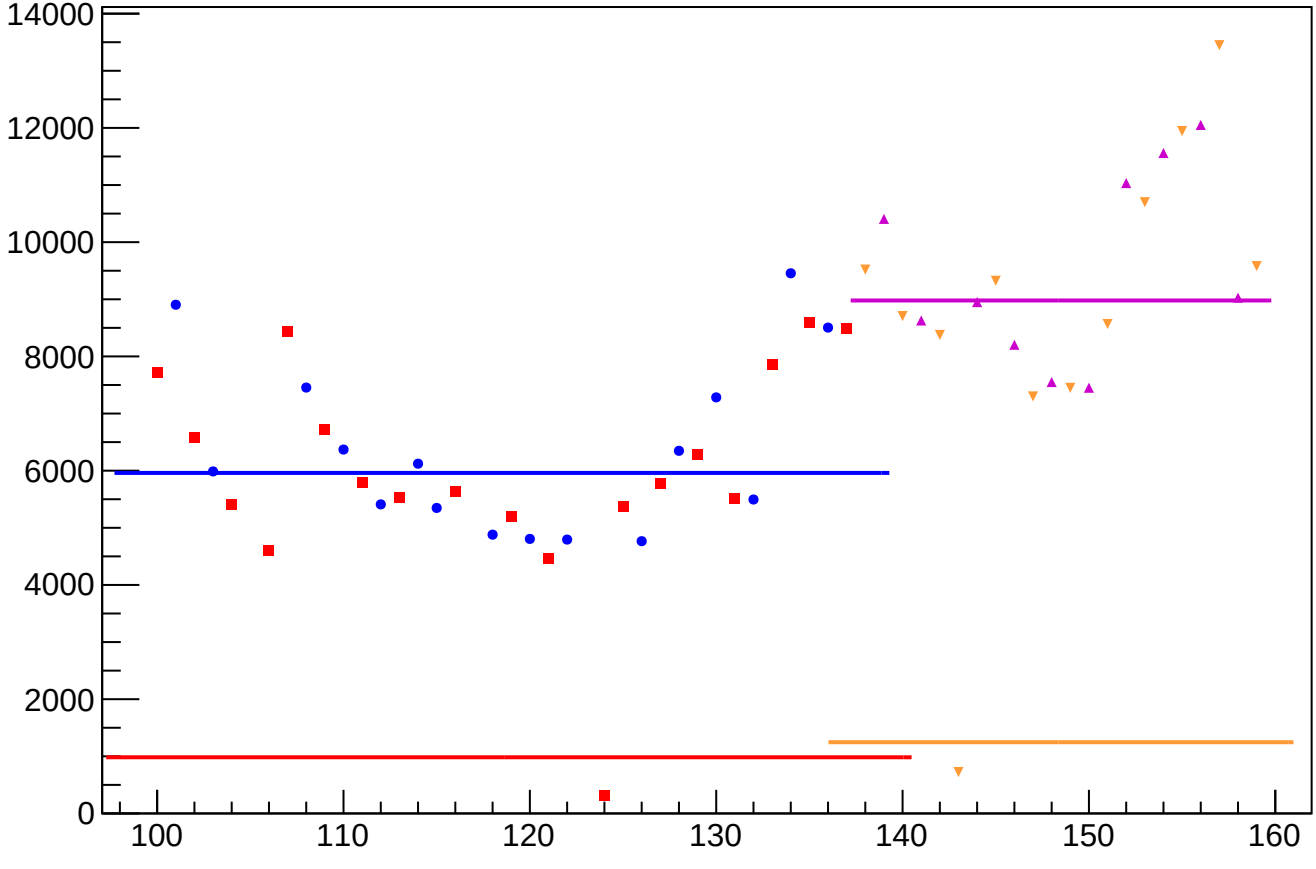
In: 2286.867+/-0.410 χ^2/NDF:827157.7/25

Out: 2304.405+/-0.406 χ^2/NDF:1526421.2/30

All: 2295.737+/-0.289 χ^2/NDF: 2354502.3/56


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1127.108+/-781.275 χ²/NDF:20.8/11
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2190.862+/-3087.550 χ²/NDF:4.3/9
Left: -927.445+/-757.403 χ²/NDF: 26.1/21
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 157.086+/-1833.354 χ²/NDF:20.3/25
Out: -301.266+/-547.795 χ²/NDF:41.5/30
All: -263.699+/-524.866 χ²/NDF: 61.8/56

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1247.150+/-0.552 χ^2/NDF:13771179.3/11

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8979.420+/-2.183 χ^2/NDF:439205.4/9

Left: 1712.450+/-0.536 χ^2/NDF: 25998987.5/21

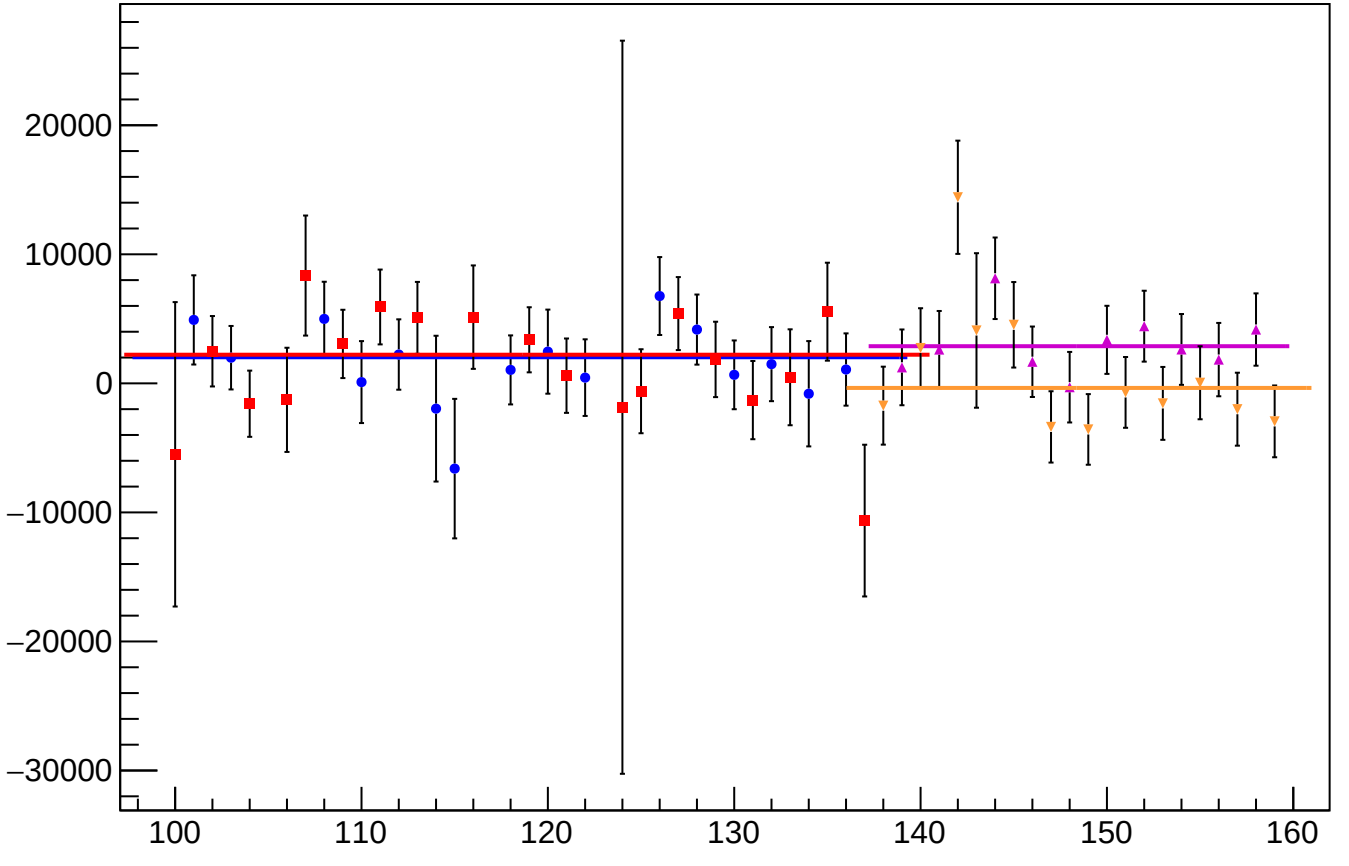
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7025.123+/-1.296 χ^2/NDF:2366131.2/25

Out: 1113.022+/-0.387 χ^2/NDF:25303819.6/30

All: 1597.581+/-0.371 χ^2/NDF: 46763316.3/5

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -354.512+/-881.192 χ^2/NDF:19.3/11

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2878.722+/-892.162 χ^2/NDF:5.3/9

Left: 1242.104+/-626.939 χ^2/NDF: 31.3/21

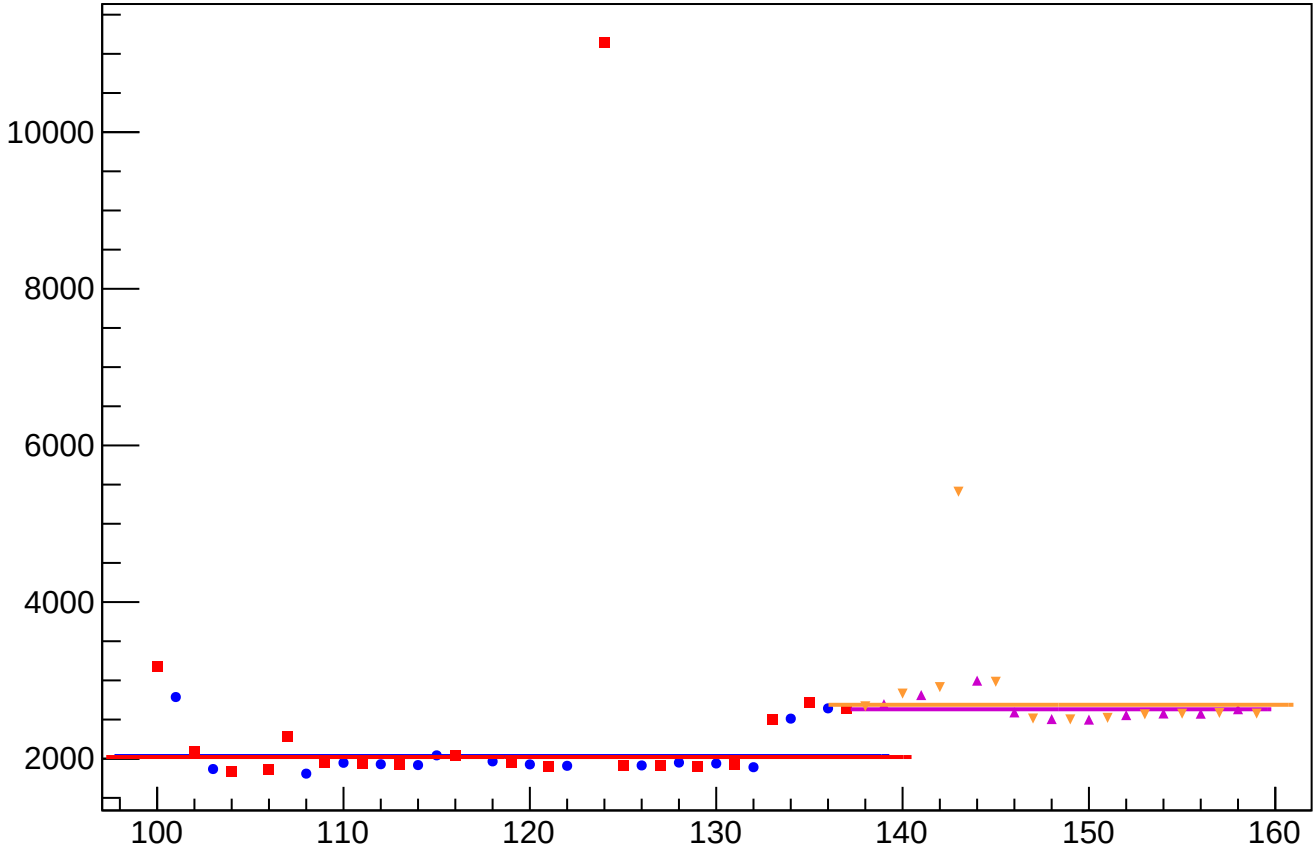
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2385.124+/-580.457 χ^2/NDF:15.5/25

Out: 1127.703+/-573.839 χ^2/NDF:42.3/30

All: 1749.205+/-408.085 χ^2/NDF: 60.2/56

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2688.563+/-0.623 χ^2/NDF:476111.5/11

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

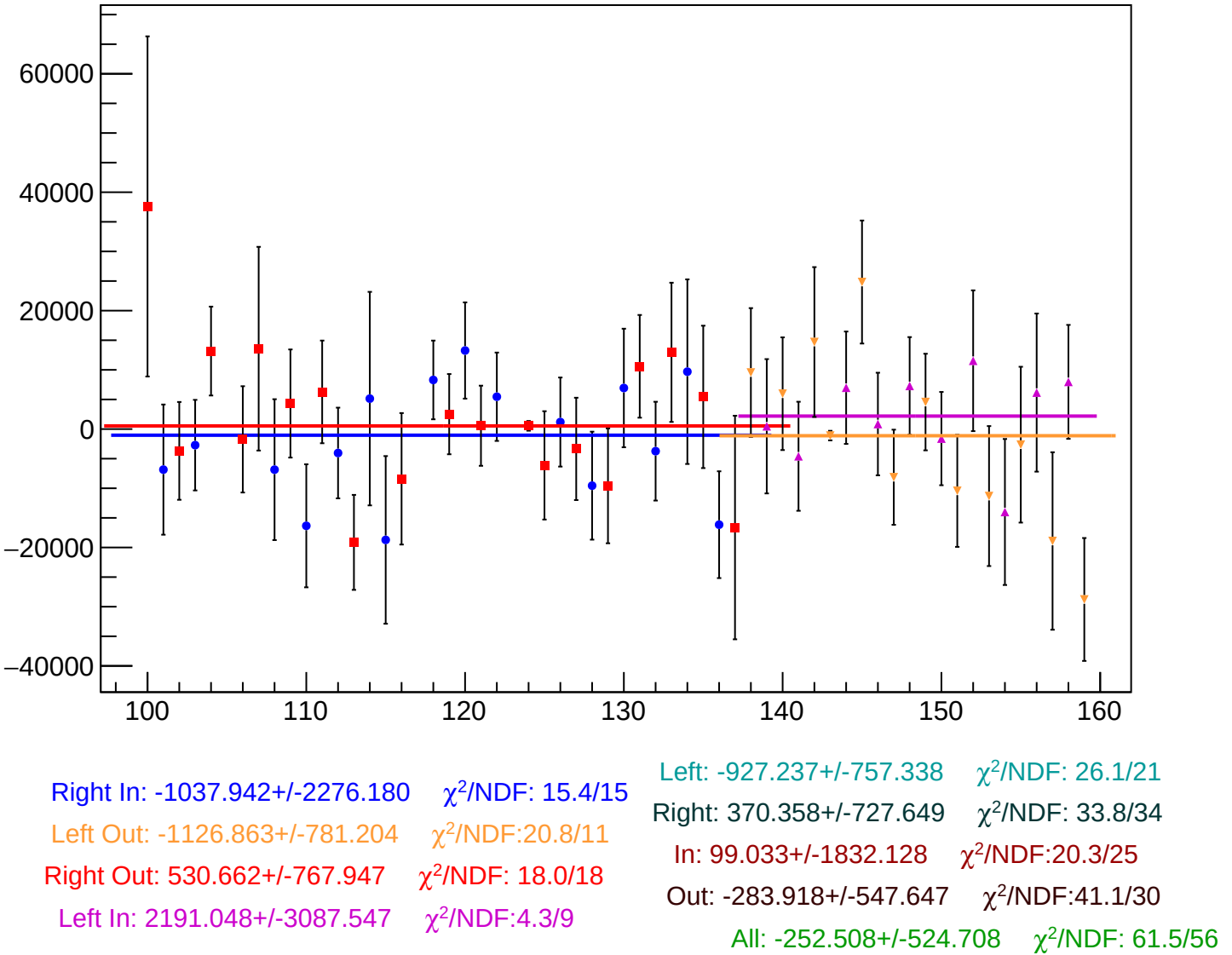
Left: 2660.211+/-0.443 χ^2/NDF: 528055.6/21

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2286.867+/-0.410 χ^2/NDF:827157.8/25

Out: 2304.421+/-0.406 χ^2/NDF:1526384.7/30

All: 2295.745+/-0.289 χ^2/NDF: 2354467.6/56


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
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−20000
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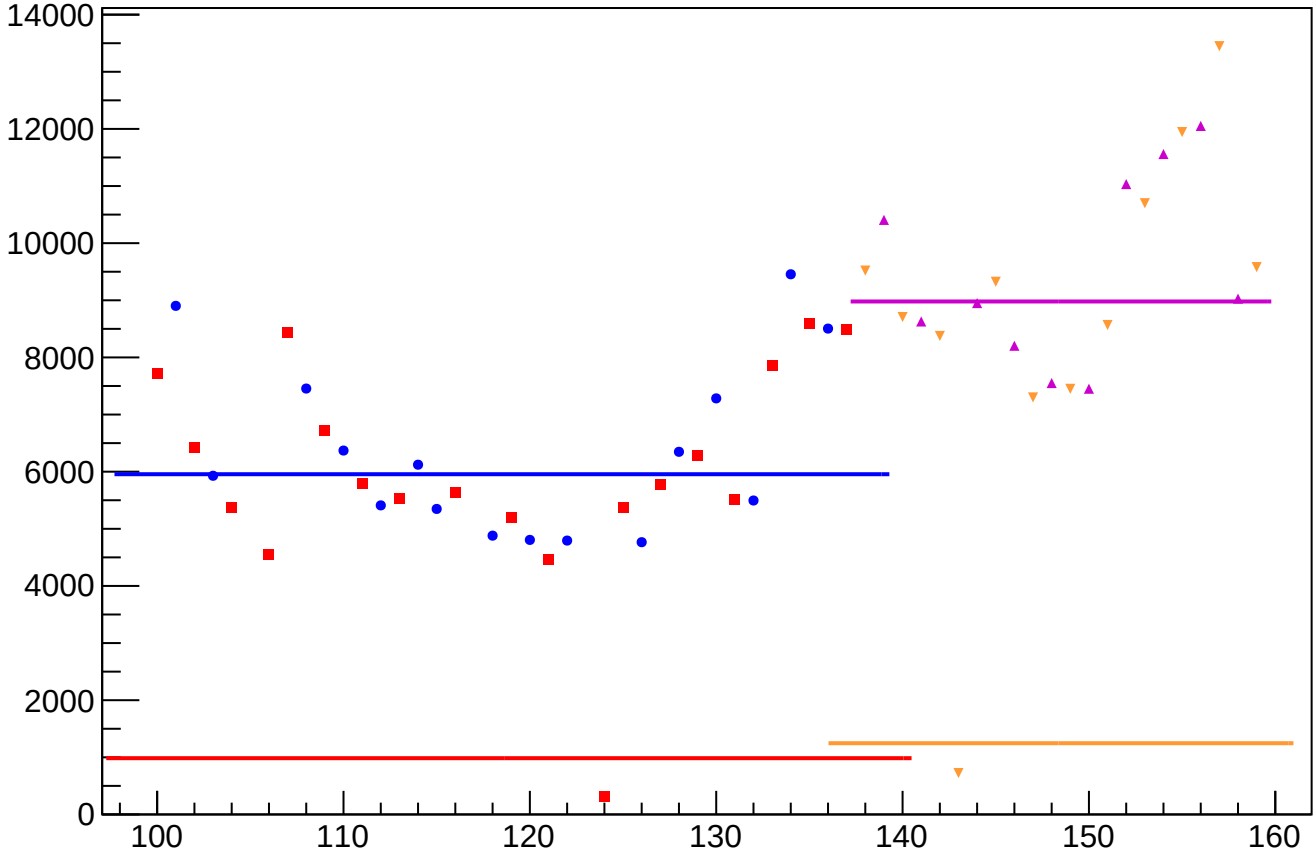
100
110
120
130
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1126.863+/-781.204 χ²/NDF:20.8/11
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2191.048+/-3087.547 χ²/NDF:4.3/9
Left: -927.237+/-757.338 χ²/NDF: 26.1/21
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 99.033+/-1832.128 χ²/NDF:20.3/25
Out: -283.918+/-547.647 χ²/NDF:41.1/30
All: -252.508+/-524.708 χ²/NDF: 61.5/56

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1246.991+/-0.552 χ^2/NDF:13771559.3/11

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

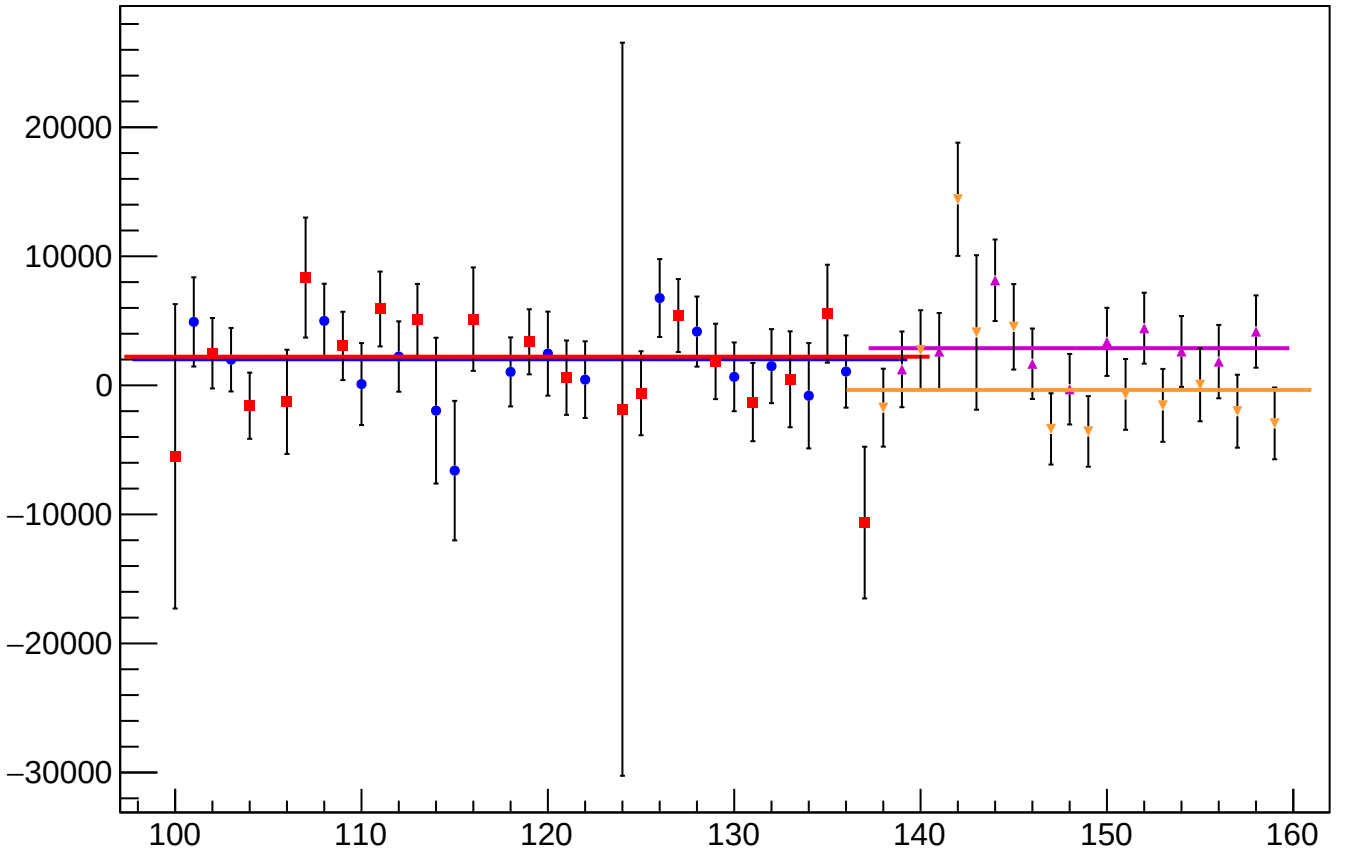
Left: 1712.221+/-0.536 χ^2/NDF: 25999976.4/21

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7020.353+/-1.296 χ^2/NDF:2371142.5/25

Out: 1113.776+/-0.387 χ^2/NDF:25298760.2/30

All: 1598.238+/-0.371 χ^2/NDF: 46751870.5/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -354.512+/-881.192 χ^2/NDF:19.3/11

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2878.722+/-892.162 χ^2/NDF:5.3/9

Left: 1242.104+/-626.939 χ^2/NDF: 31.3/21

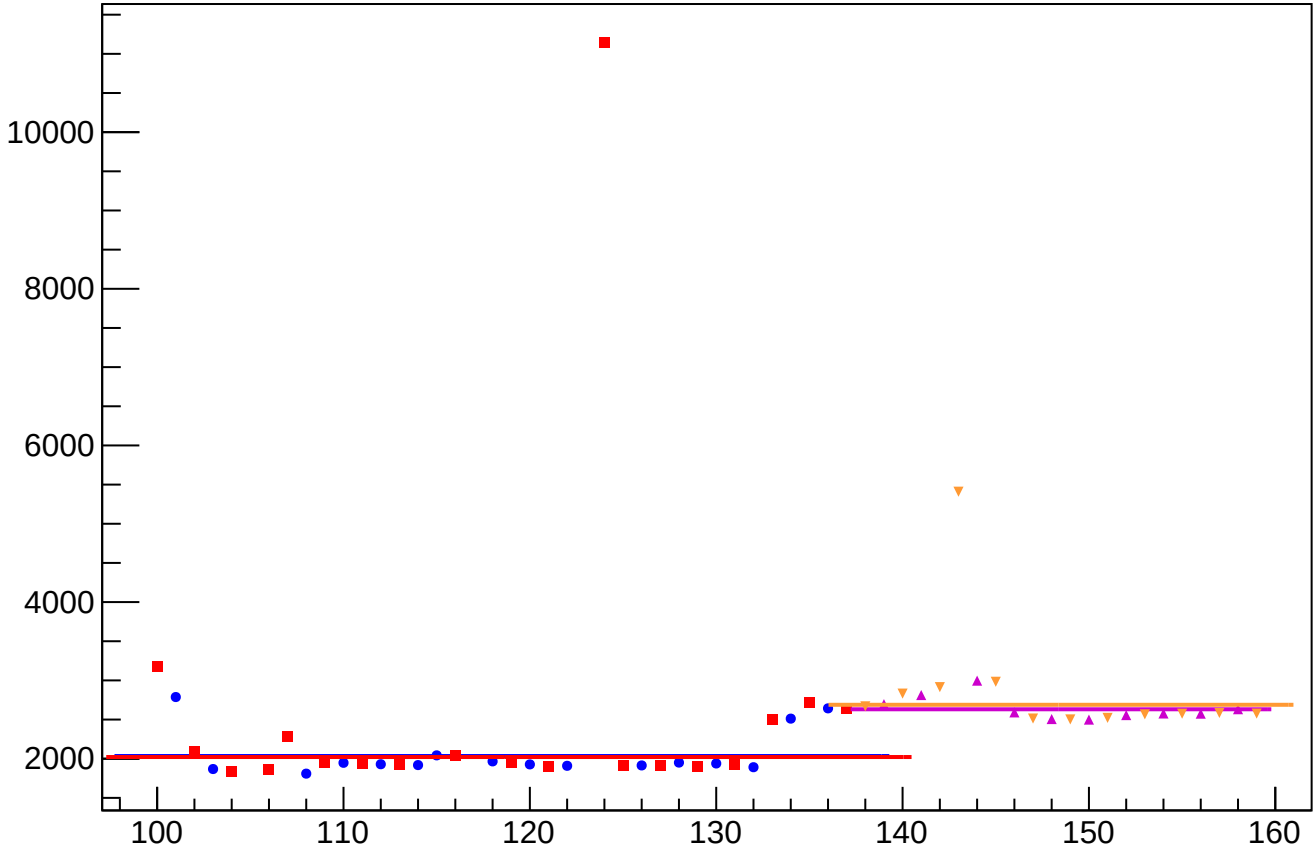
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2385.124+/-580.457 χ^2/NDF:15.5/25

Out: 1127.703+/-573.839 χ^2/NDF:42.3/30

All: 1749.205+/-408.085 χ^2/NDF: 60.2/56

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2688.563+/-0.623 χ^2/NDF:476111.5/11

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

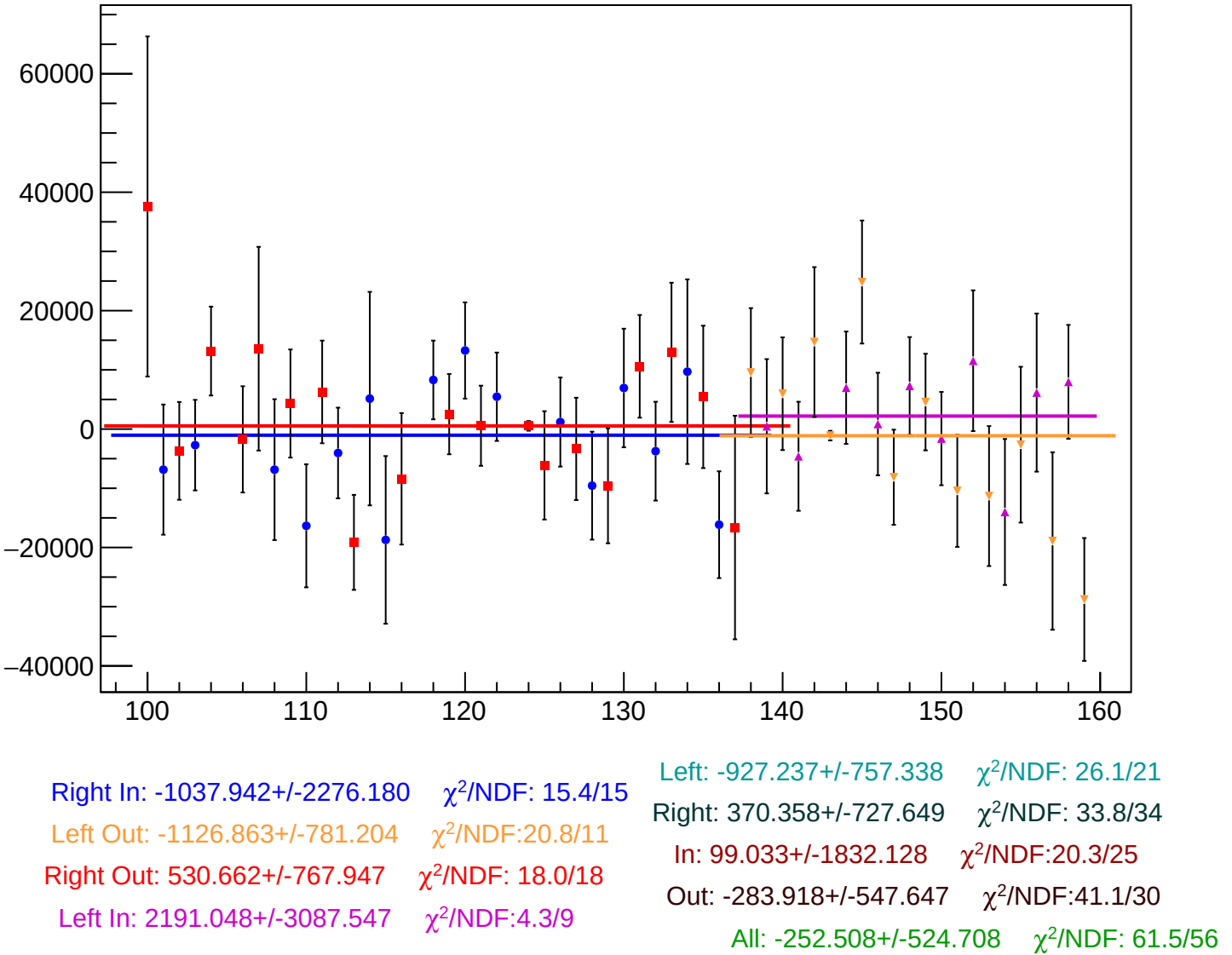
Left: 2660.211+/-0.443 χ^2/NDF: 528055.6/21

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2286.867+/-0.410 χ^2/NDF:827157.8/25

Out: 2304.421+/-0.406 χ^2/NDF:1526384.7/30

All: 2295.745+/-0.289 χ^2/NDF: 2354467.6/56


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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120
130
140
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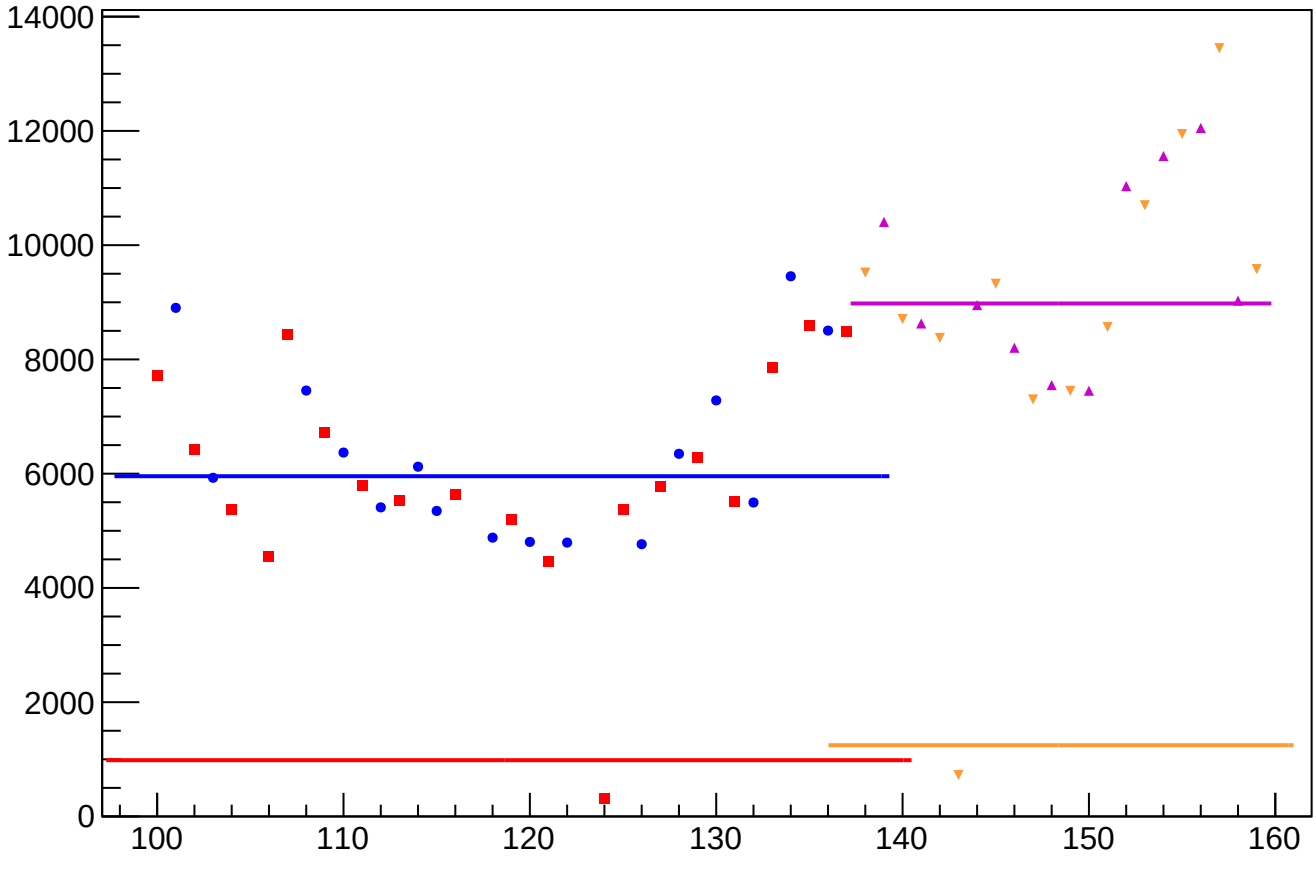
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1126.863+/-781.204 χ²/NDF:20.8/11
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2191.048+/-3087.547 χ²/NDF:4.3/9
Left: -927.237+/-757.338 χ²/NDF: 26.1/21
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 99.033+/-1832.128 χ²/NDF:20.3/25
Out: -283.918+/-547.647 χ²/NDF:41.1/30
All: -252.508+/-524.708 χ²/NDF: 61.5/56



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1246.991+/-0.552 χ^2/NDF:13771559.3/11

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

Left: 1712.221+/-0.536 χ^2/NDF: 25999976.4/21

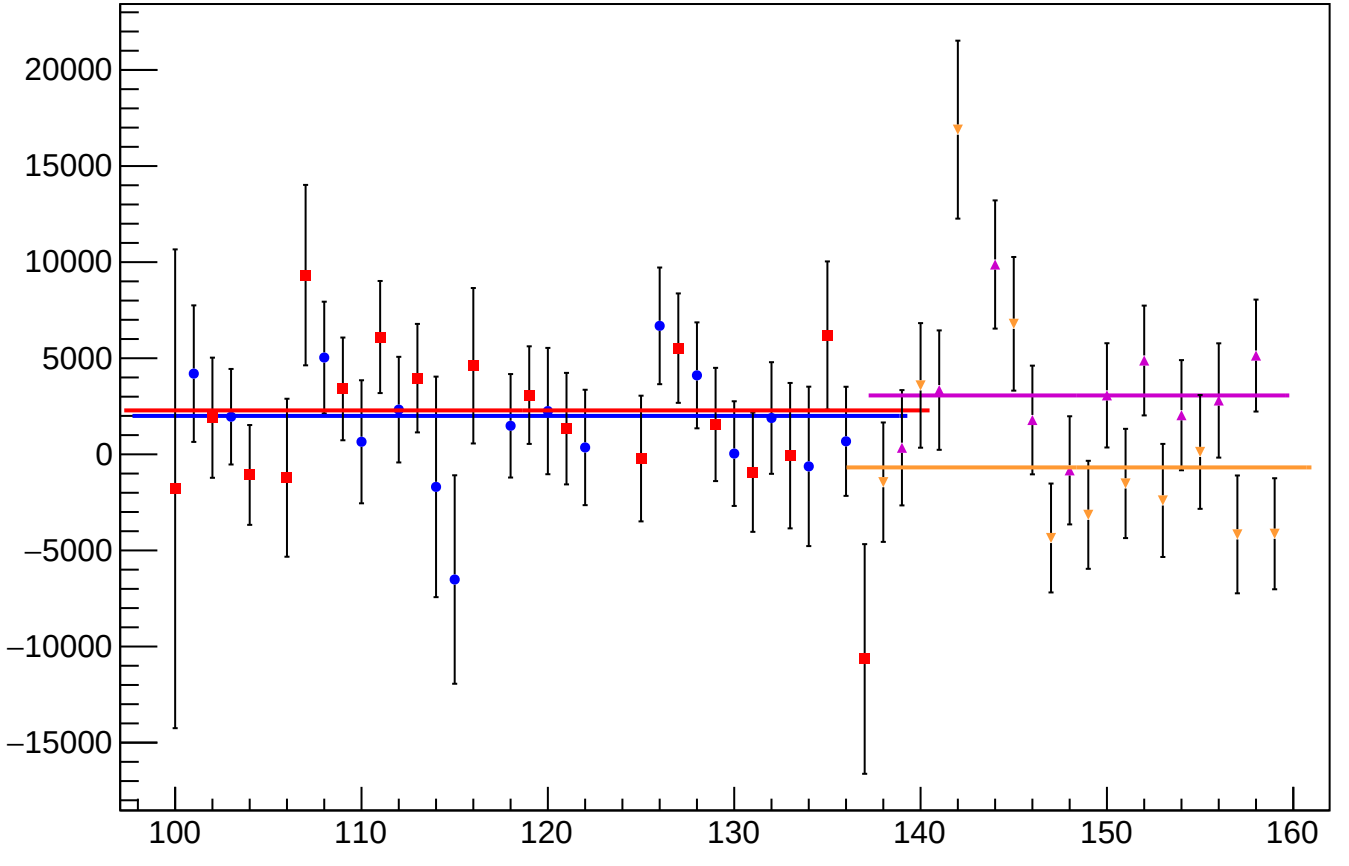
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7020.353+/-1.296 χ^2/NDF:2371142.5/25

Out: 1113.776+/-0.387 χ^2/NDF:25298760.2/30

All: 1598.238+/-0.371 χ^2/NDF: 46751870.5/5

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -680.271+/-928.919 χ^2/NDF:26.5/10

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3064.187+/-925.611 χ^2/NDF:8.2/9

Left: 1198.638+/-655.672 χ^2/NDF: 42.8/20

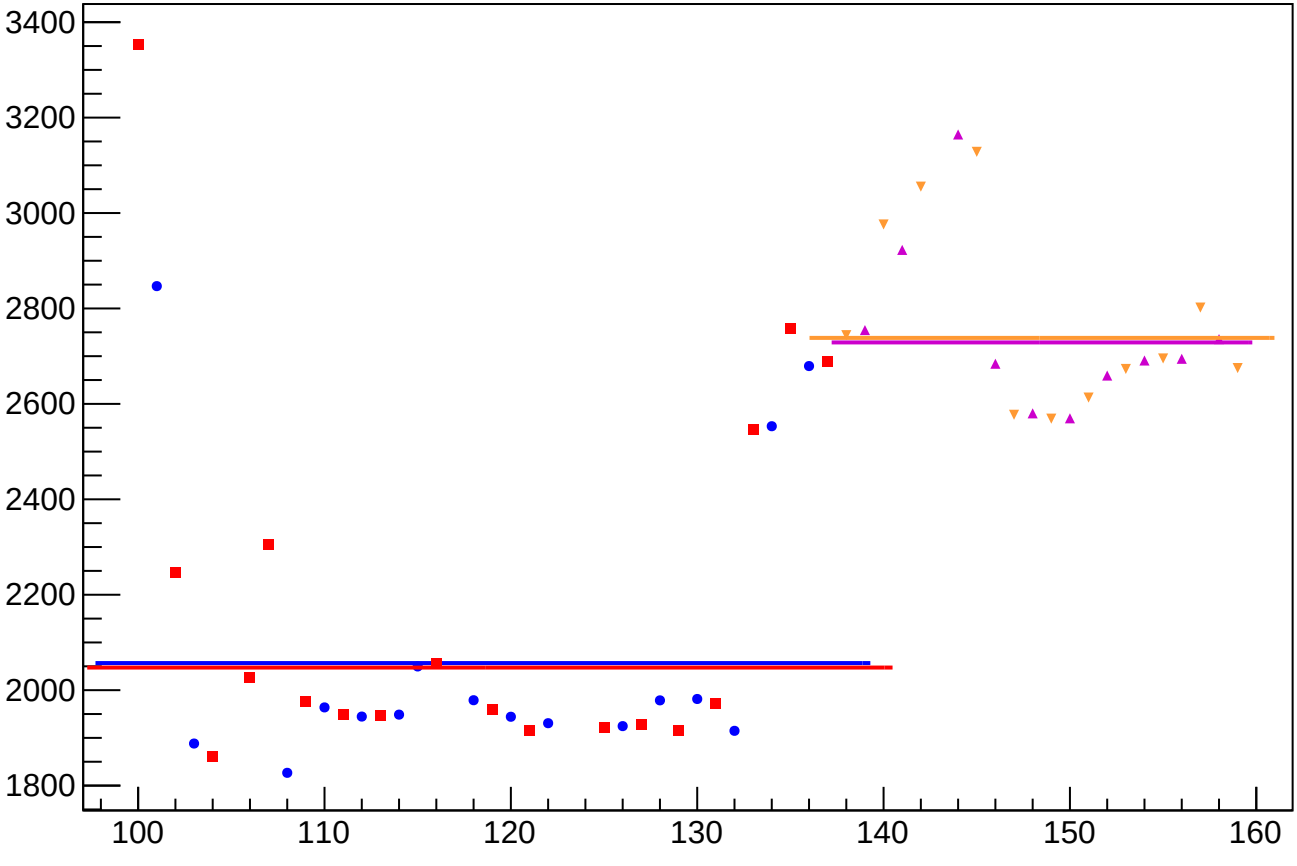
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2437.143+/-593.555 χ^2/NDF:17.9/25

Out: 1075.453+/-593.407 χ^2/NDF:49.2/28

All: 1756.128+/-419.654 χ^2/NDF: 69.8/54

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2738.322+/-0.657 χ^2/NDF:66109.6/10

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2728.818+/-0.655 χ^2/NDF:56850.3/9

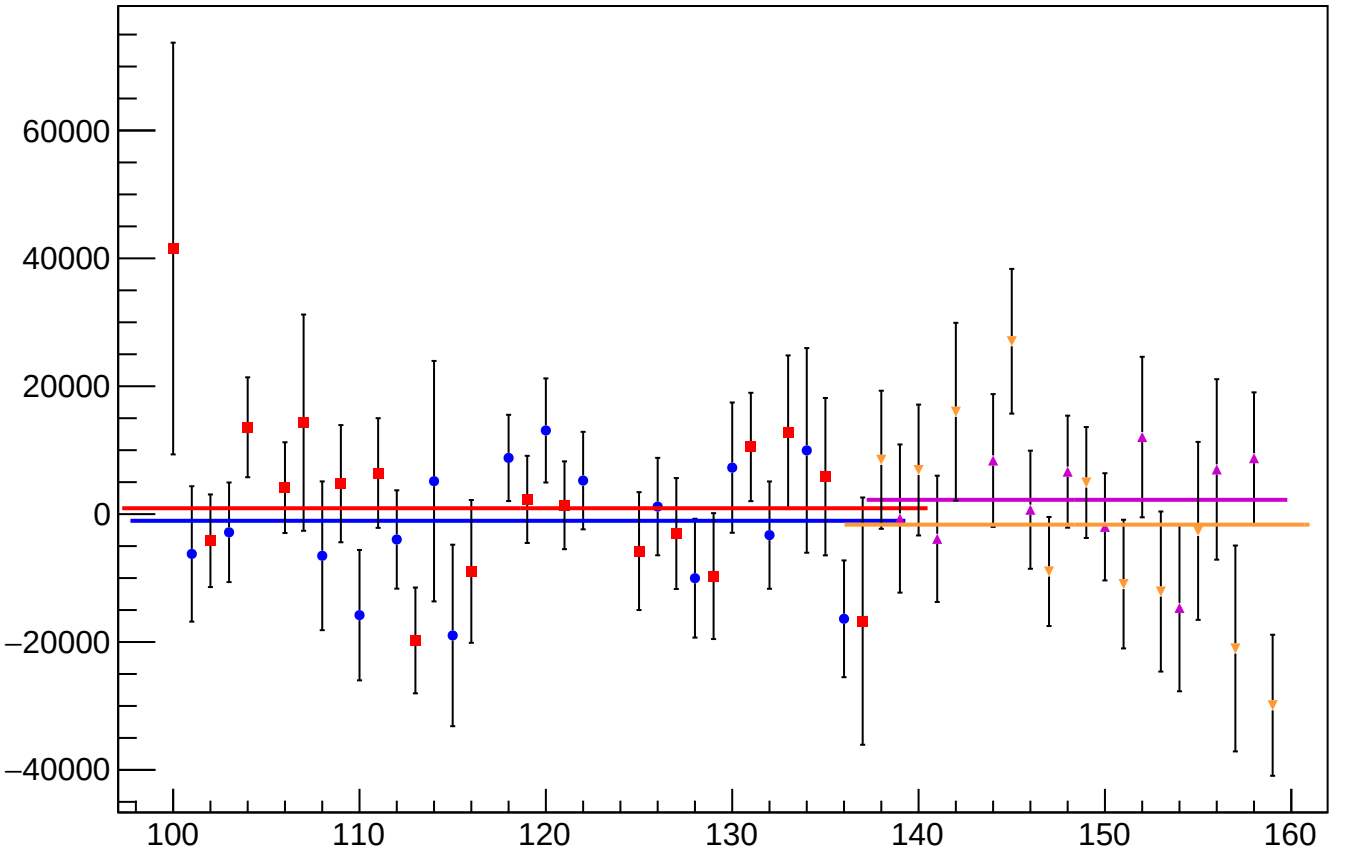
Left: 2733.553+/-0.464 χ^2/NDF: 123064.9/20

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2333.139+/-0.420 χ^2/NDF:948030.9/25

Out: 2328.850+/-0.419 χ^2/NDF:918365.9/28

All: 2330.992+/-0.297 χ^2/NDF: 1866449.1/54



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1644.179+/-3303.321 χ^2/NDF:20.5/10

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2238.559+/-3285.510 χ^2/NDF:4.1/9

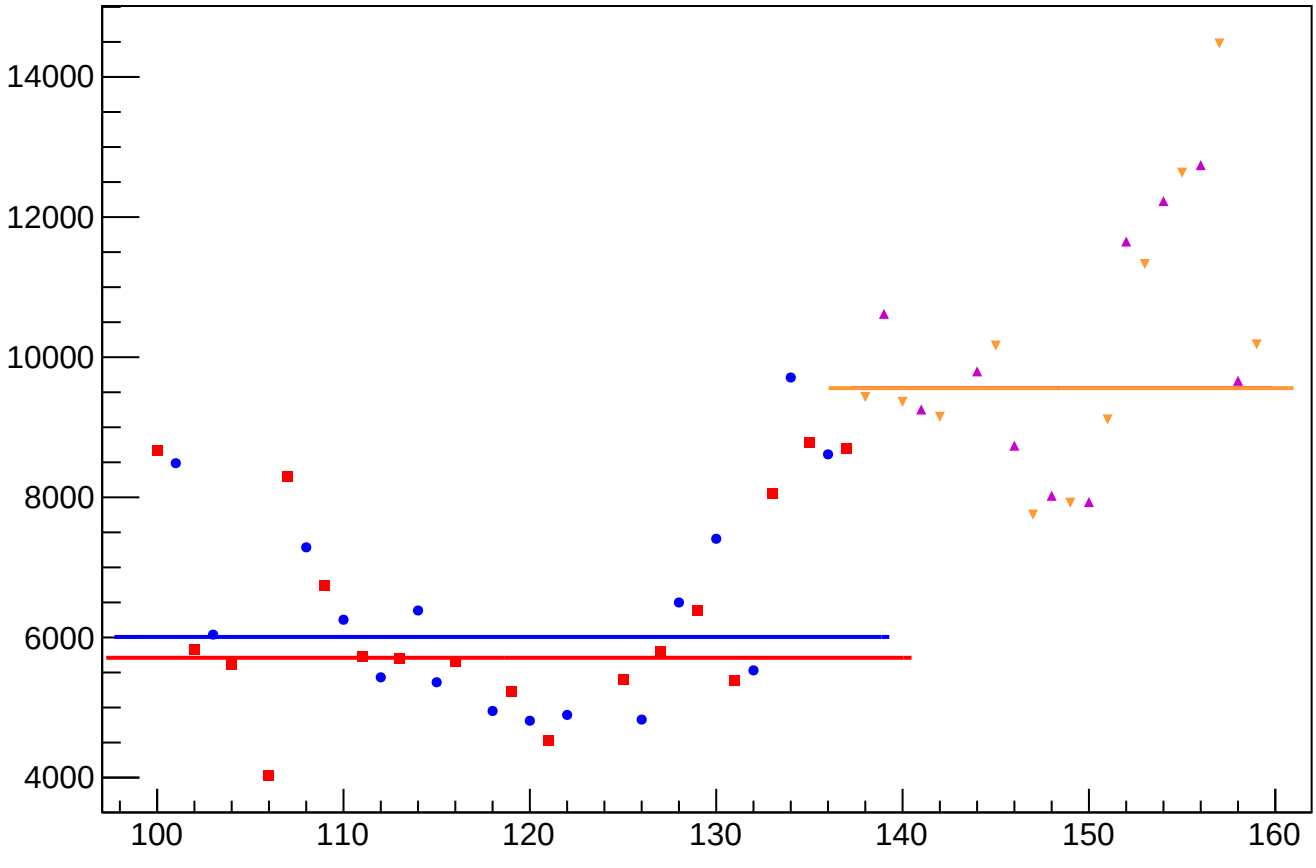
Left: 307.686+/-2329.478 χ^2/NDF: 25.3/20

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 33.189+/-1881.226 χ^2/NDF:20.1/25

Out: 156.308+/-1802.472 χ^2/NDF:39.3/28

All: 97.379+/-1301.491 χ^2/NDF: 59.4/54



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9558.347+/-2.336 χ^2/NDF:504047.3/10

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9560.771+/-2.323 χ^2/NDF:413531.8/9

Left: 9559.565+/-1.647 χ^2/NDF: 917579.7/20

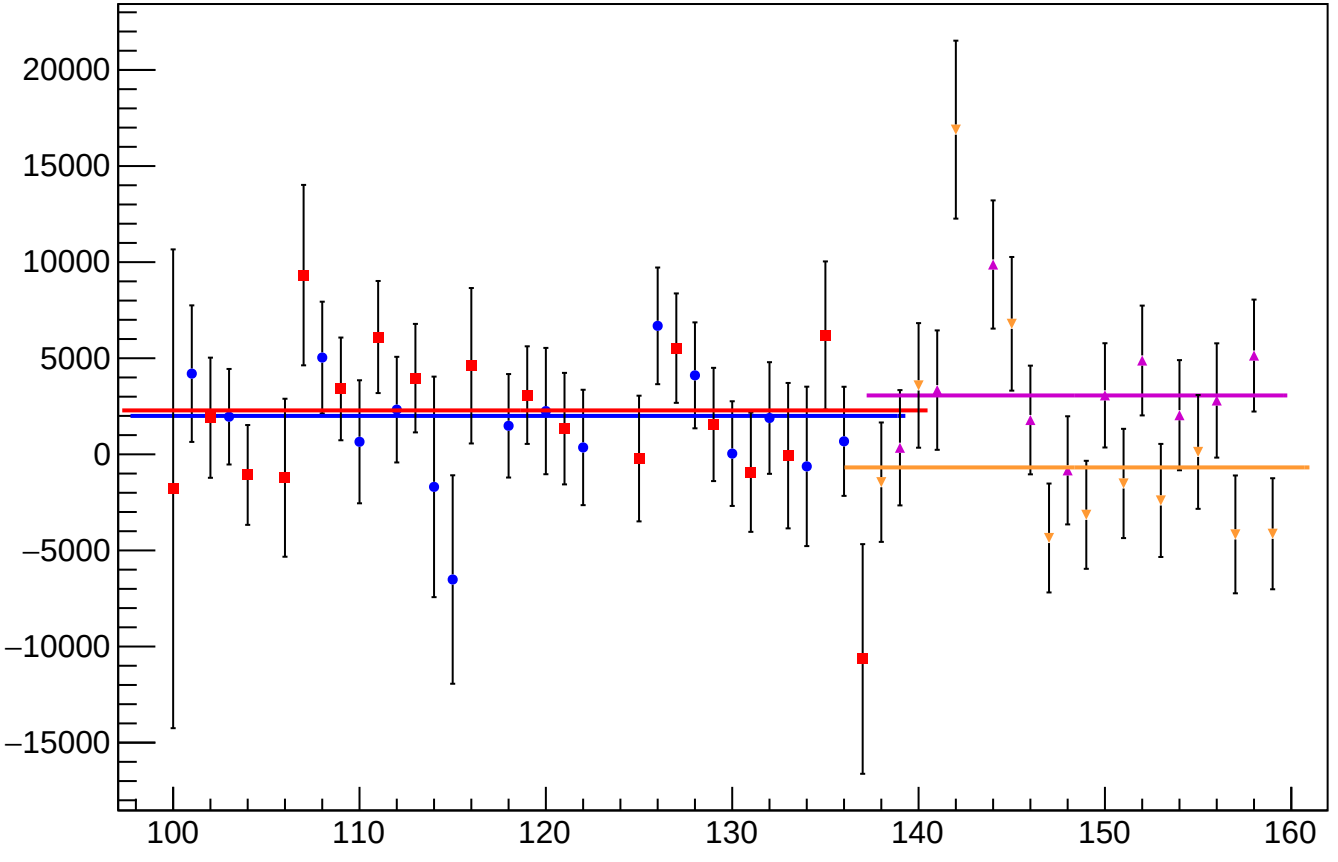
Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 7172.393+/-1.330 χ^2/NDF:2639935.7/25

Out: 6855.734+/-1.275 χ^2/NDF:2946300.9/28

All: 7007.296+/-0.920 χ^2/NDF: 5615781.2/54

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -680.277+/-928.920 χ^2/NDF:26.5/10

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3064.192+/-925.612 χ^2/NDF:8.2/9

Left: 1198.638+/-655.673 χ^2/NDF: 42.8/20

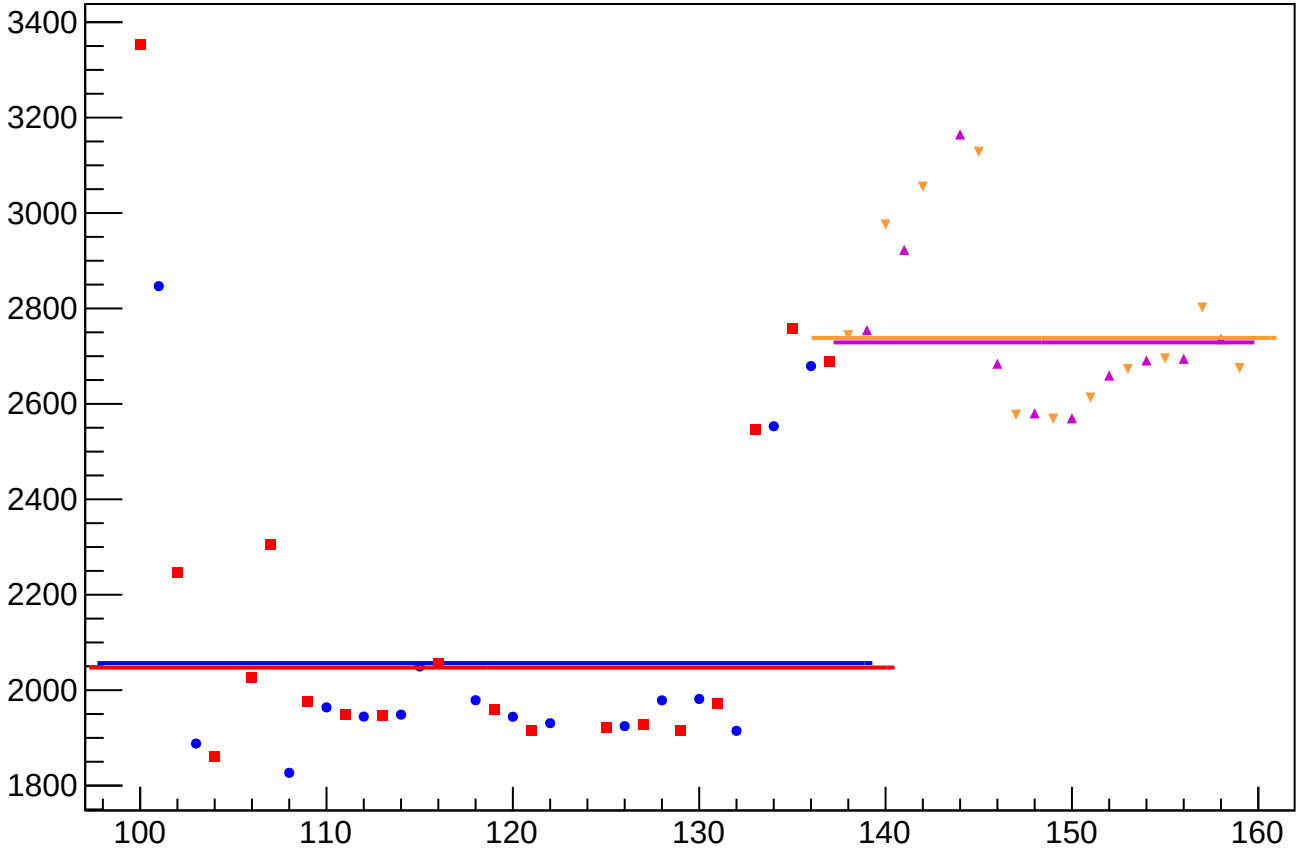
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2437.147+/-593.555 χ^2/NDF:17.9/25

Out: 1075.454+/-593.407 χ^2/NDF:49.2/28

All: 1756.131+/-419.655 χ^2/NDF: 69.8/54

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2738.325+/-0.657 χ^2/NDF:66110.8/10

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2728.821+/-0.655 χ^2/NDF:56850.9/9

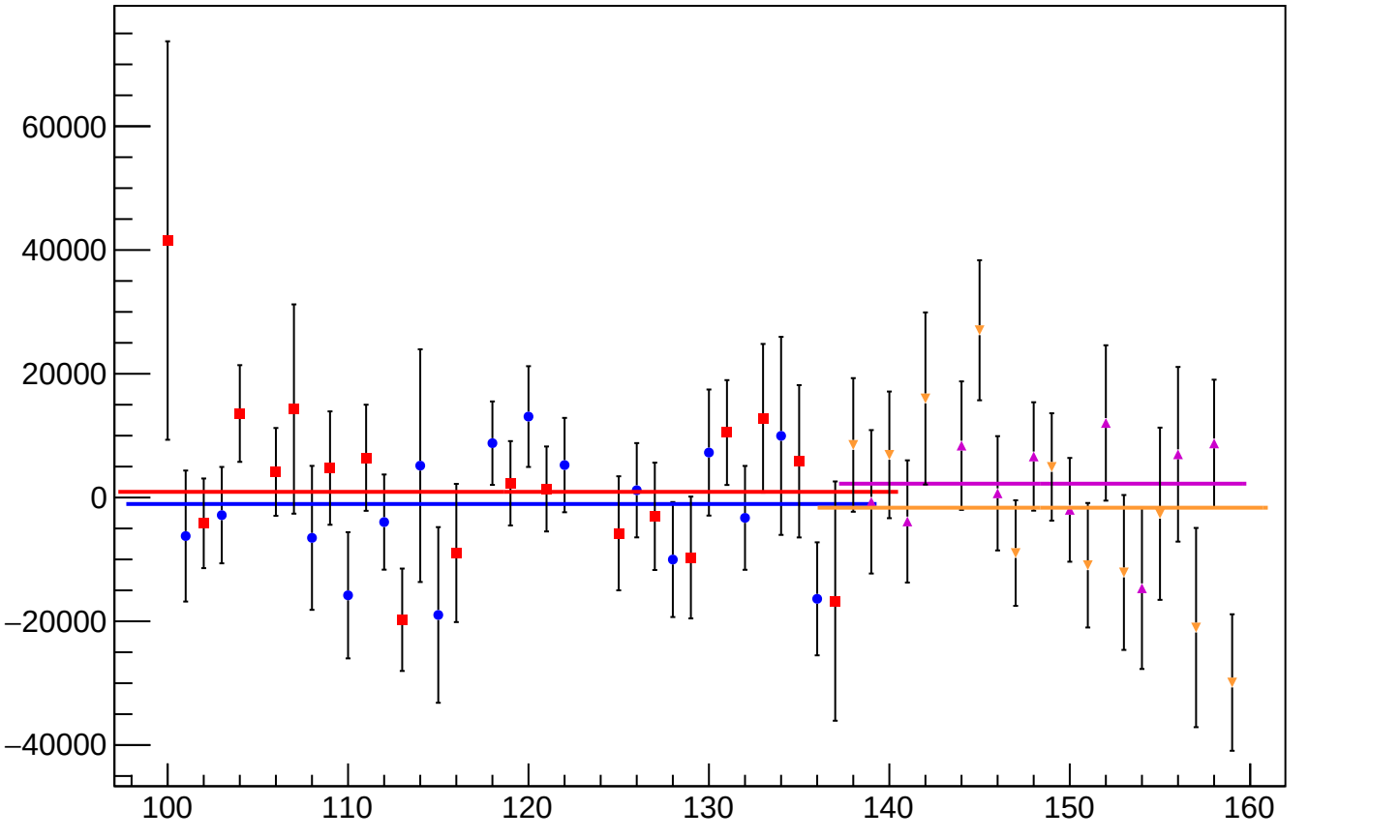
Left: 2733.556+/-0.464 χ^2/NDF: 123066.8/20

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2333.140+/-0.420 χ^2/NDF:948035.8/25

Out: 2328.851+/-0.419 χ^2/NDF:918372.4/28

All: 2330.993+/-0.297 χ^2/NDF: 1866460.5/54



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1644.191+/-3303.326 χ^2/NDF:20.5/10

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2238.564+/-3285.514 χ^2/NDF:4.1/9

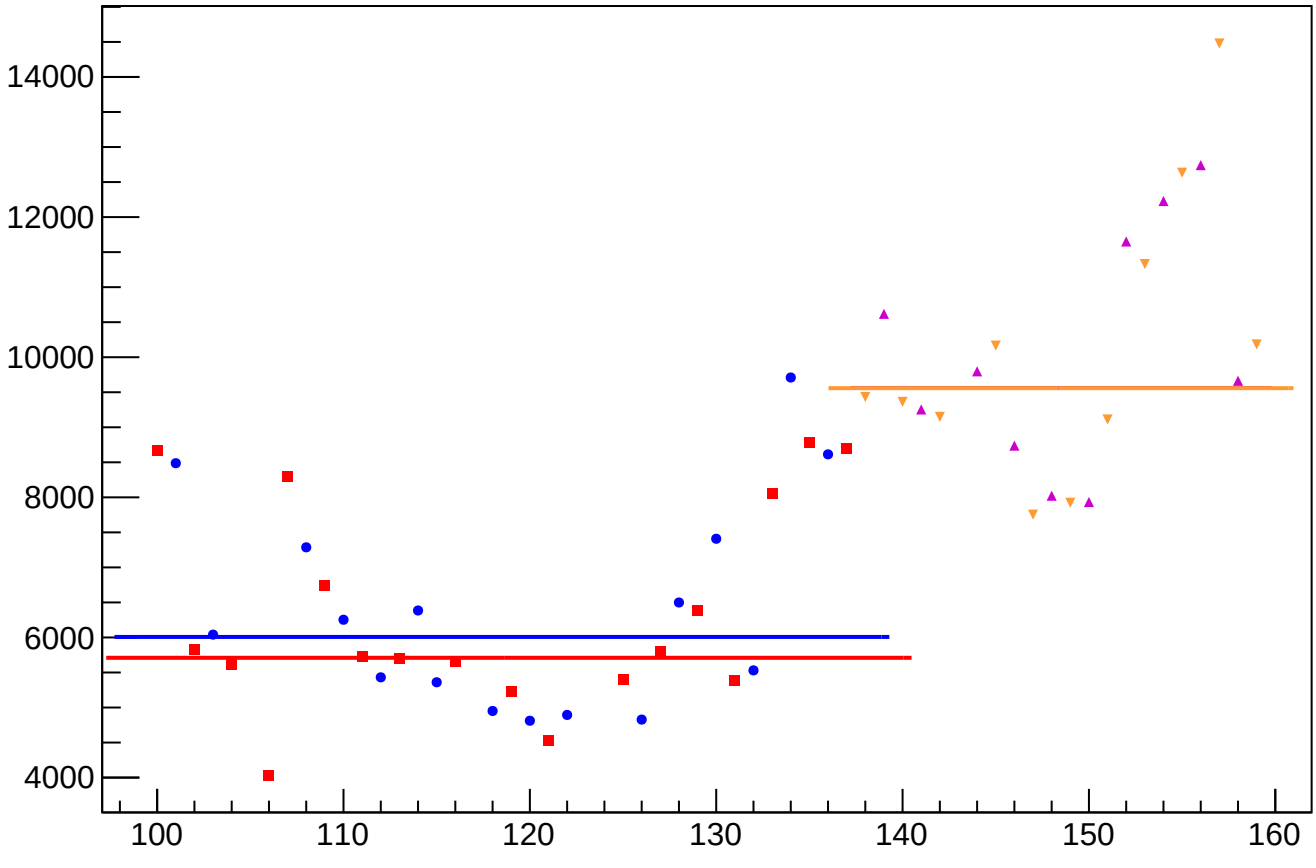
Left: 307.683+/-2329.481 χ^2/NDF: 25.3/20

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 33.192+/-1881.223 χ^2/NDF:20.1/25

Out: 156.312+/-1802.469 χ^2/NDF:39.3/28

All: 97.383+/-1301.489 χ^2/NDF: 59.4/54



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9558.359+/-2.336 χ^2/NDF:504050.3/10

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9560.782+/-2.323 χ^2/NDF:413534.9/9

Left: 9559.577+/-1.647 χ^2/NDF: 917585.7/20

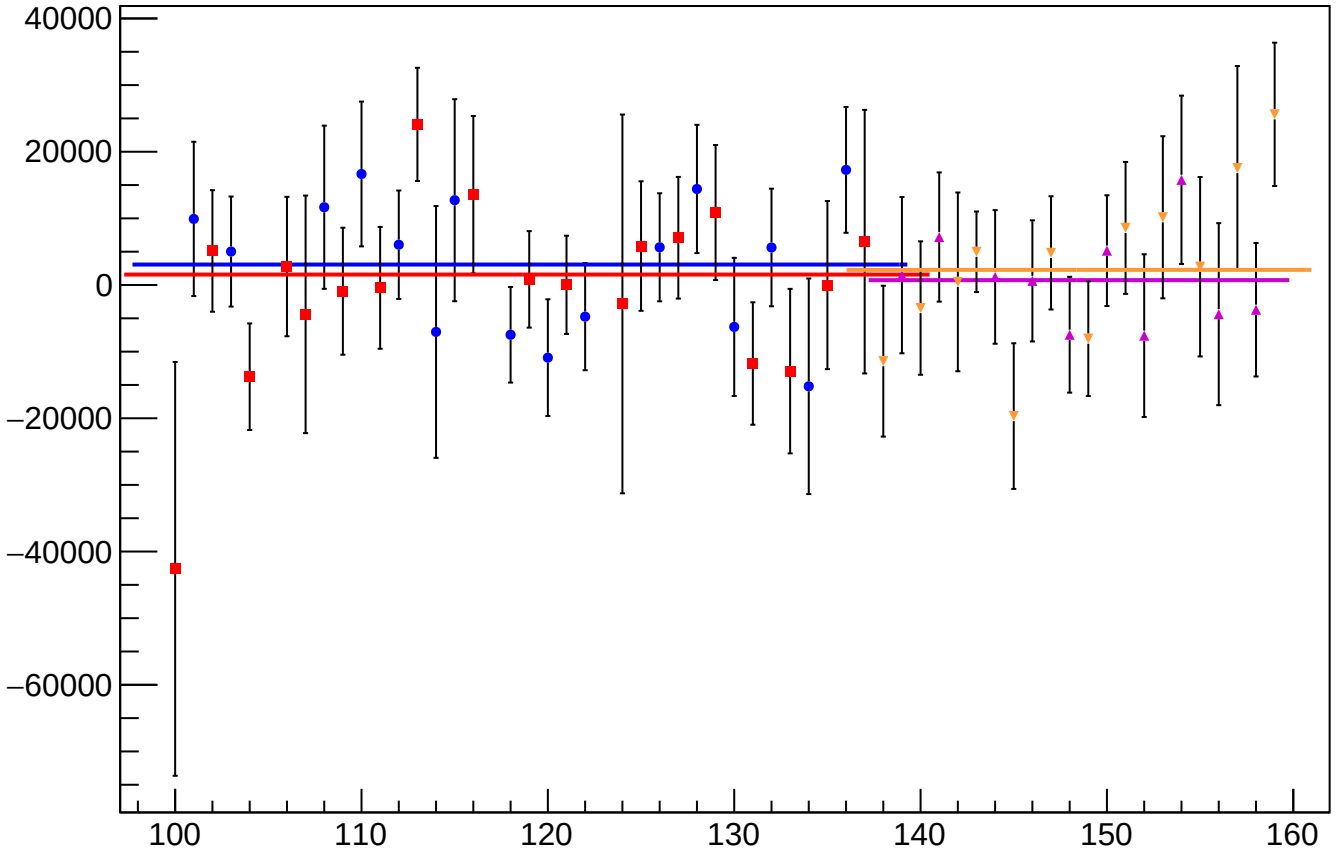
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7172.377+/-1.330 χ^2/NDF:2639975.1/25

Out: 6855.718+/-1.275 χ^2/NDF:2946336.3/28

All: 7007.281+/-0.920 χ^2/NDF: 5615855.9/54

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2269.595+/-2865.082 χ^2/NDF:14.1/11

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 730.873+/-3227.735 χ^2/NDF:3.8/9

Left: 1591.498+/-2142.712 χ^2/NDF: 18.1/21

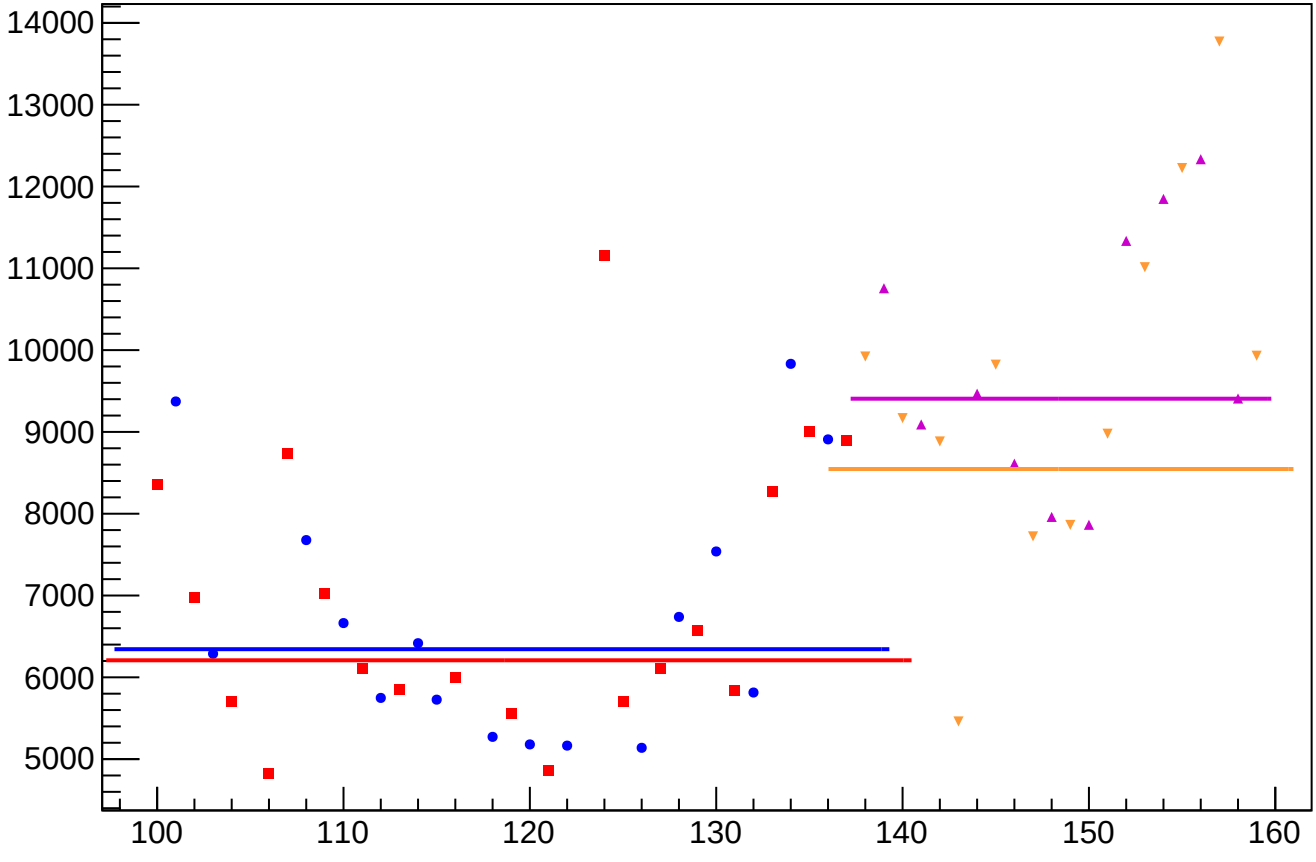
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2228.138+/-1936.600 χ^2/NDF:19.0/25

Out: 1847.594+/-1810.434 χ^2/NDF:33.3/30

All: 2025.067+/-1322.525 χ^2/NDF: 52.4/56

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8546.448+/-2.026 χ^2/NDF:1120096.0/11

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9405.984+/-2.282 χ^2/NDF:384671.5/9

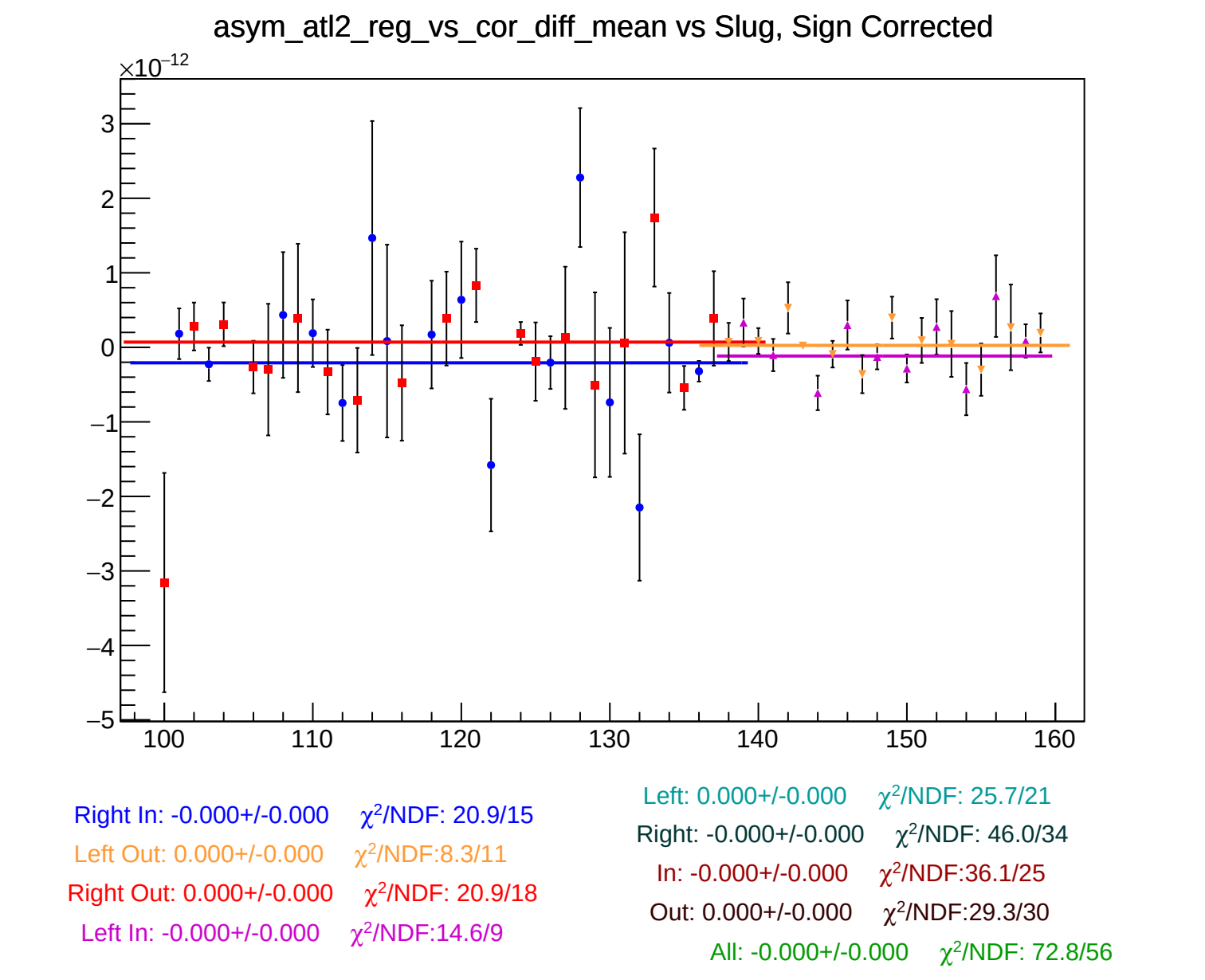
Left: 8925.235+/-1.515 χ^2/NDF: 1584093.6/21

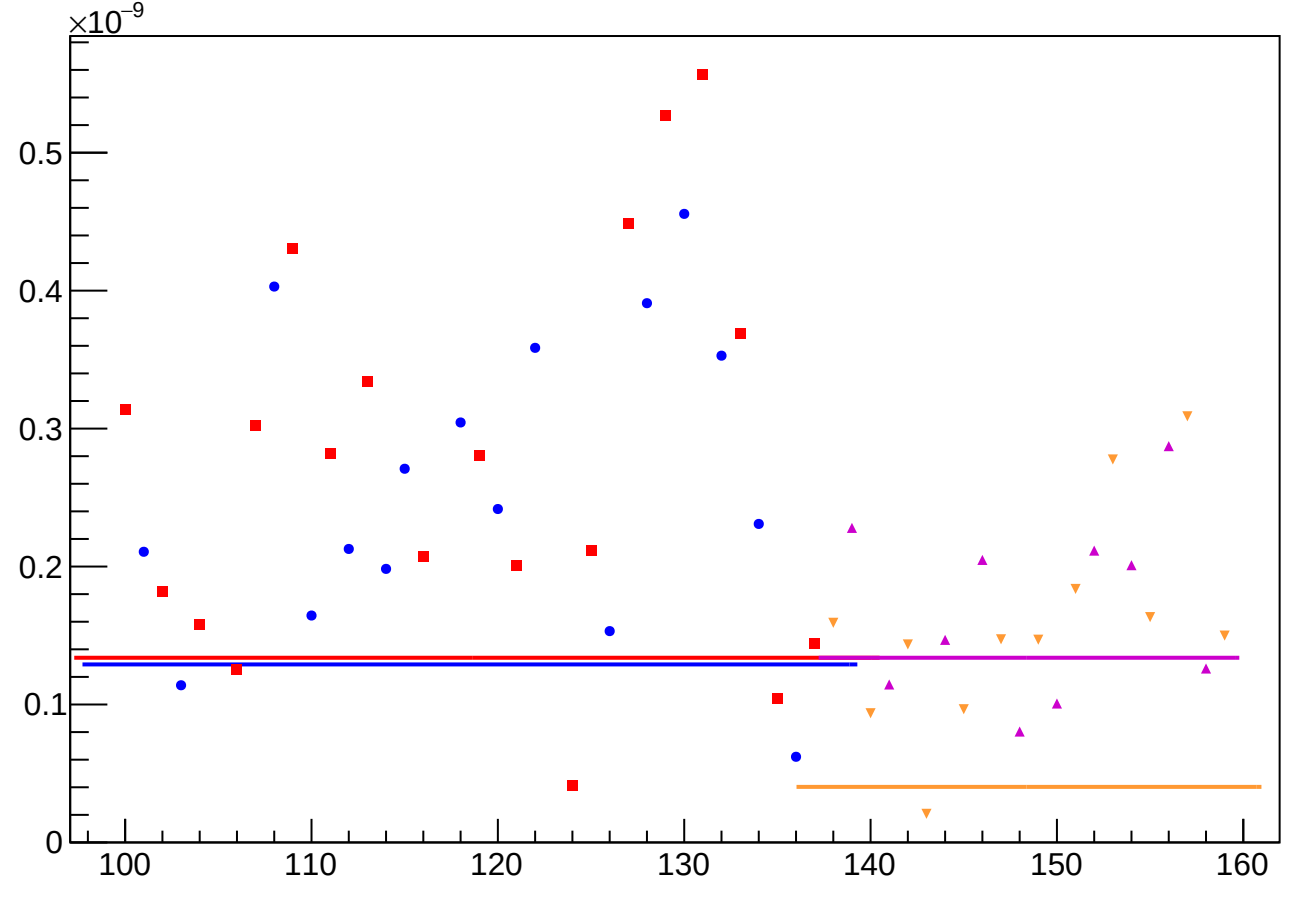
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7446.135+/-1.369 χ^2/NDF:2158007.7/25

Out: 7141.781+/-1.280 χ^2/NDF:2392209.9/30

All: 7283.722+/-0.935 χ^2/NDF: 4576577.8/56


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:8.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/9
Left: 0.000+/-0.000 χ²/NDF: 25.7/21
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:36.1/25
Out: 0.000+/-0.000 χ²/NDF:29.3/30
All: -0.000+/-0.000 χ²/NDF: 72.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4306255.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:872861.8/9

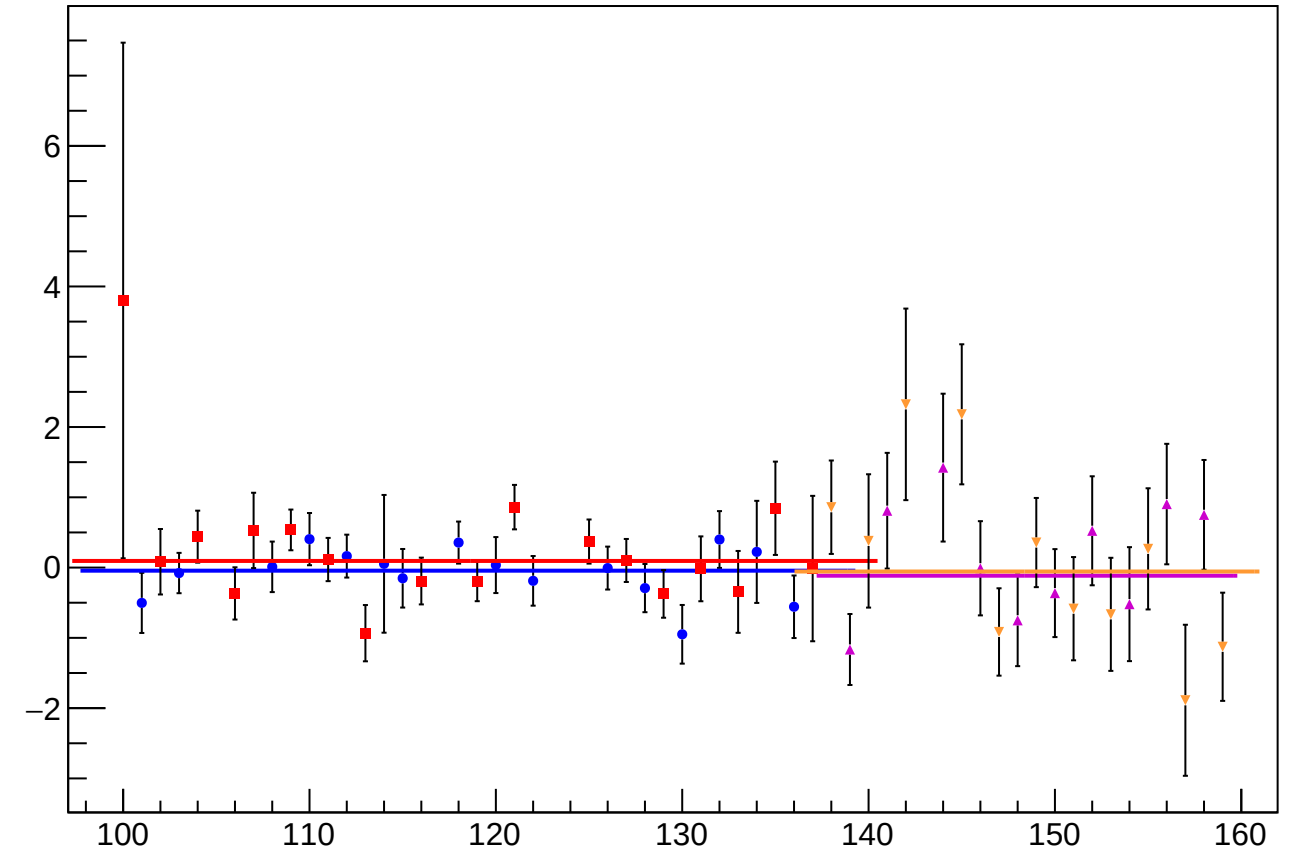
Left: 0.000+/-0.000 χ^2/NDF: 7599353.4/21

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2596254.2/25

Out: 0.000+/-0.000 χ^2/NDF:8325601.7/30

All: 0.000+/-0.000 χ^2/NDF: 13829131.0/56



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.056+/-0.240 χ^2/NDF:18.6/10

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

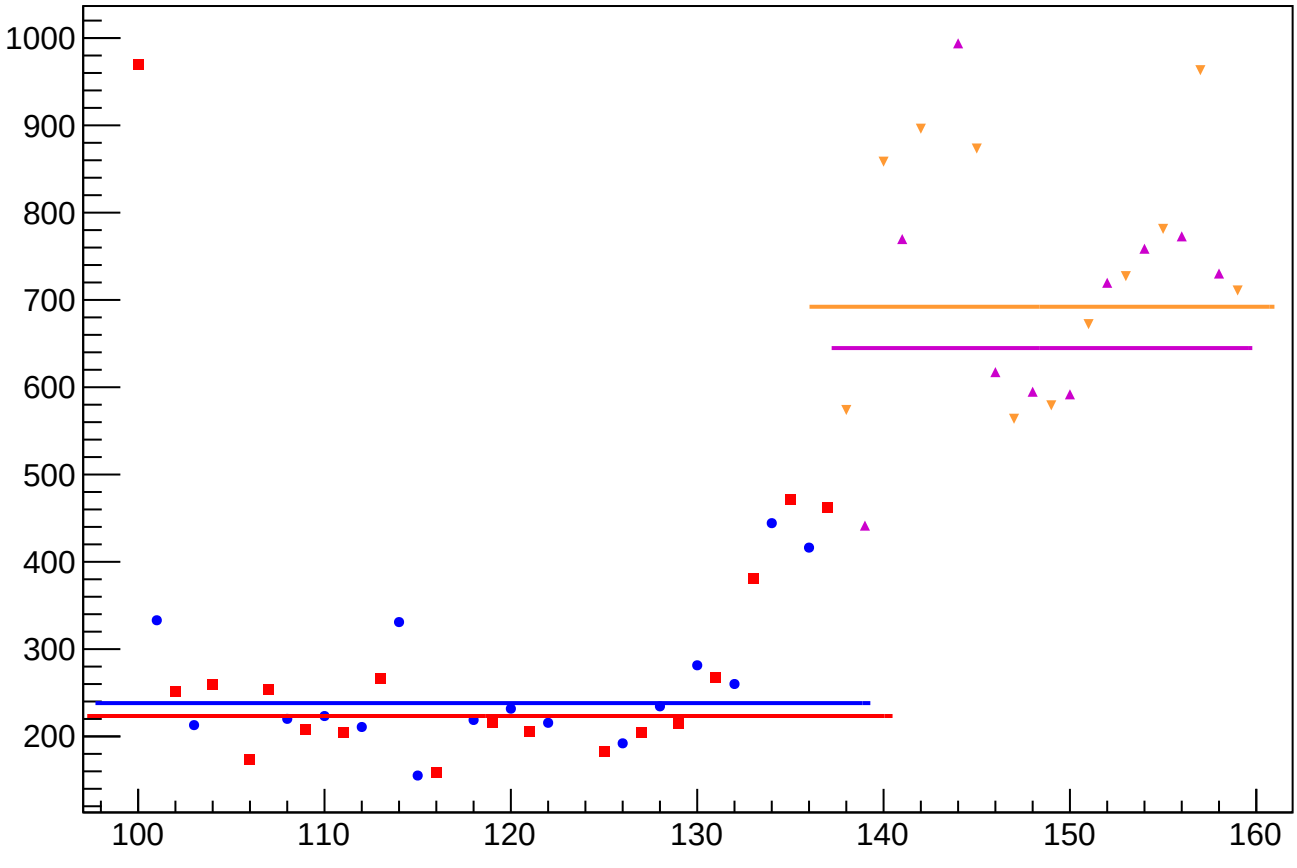
Left: -0.088+/-0.165 χ^2/NDF: 31.1/20

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.012+/-0.060 χ^2/NDF: 71.0/54



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 692.198+/-0.170 χ^2/NDF:539273.4/10

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

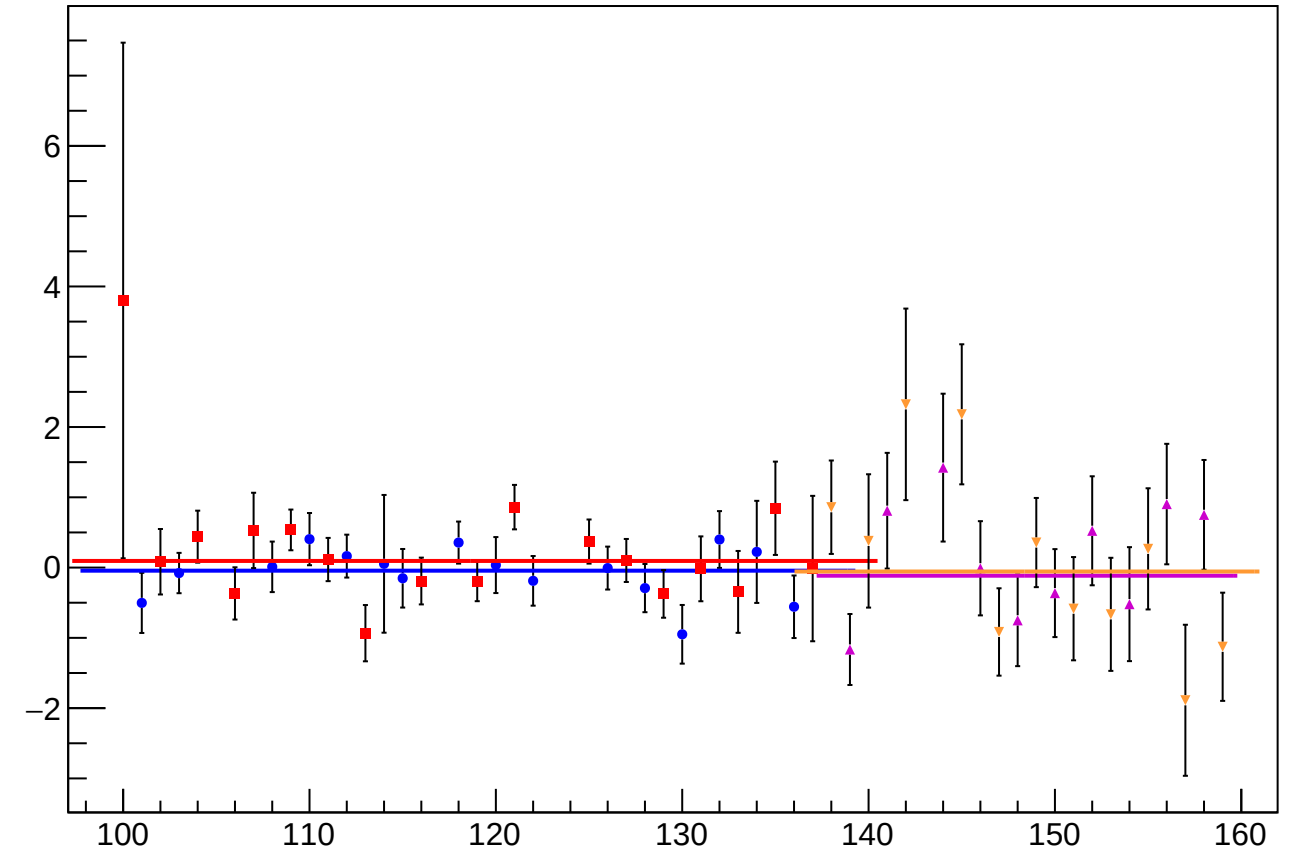
Left: 667.035+/-0.116 χ^2/NDF: 1327171.2/20

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 298.026+/-0.061 χ^2/NDF:7088022.8/25

Out: 281.015+/-0.060 χ^2/NDF:8067240.7/28

All: 289.292+/-0.043 χ^2/NDF: 15194870.3/54



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.056+/-0.240 χ^2/NDF:18.6/10

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

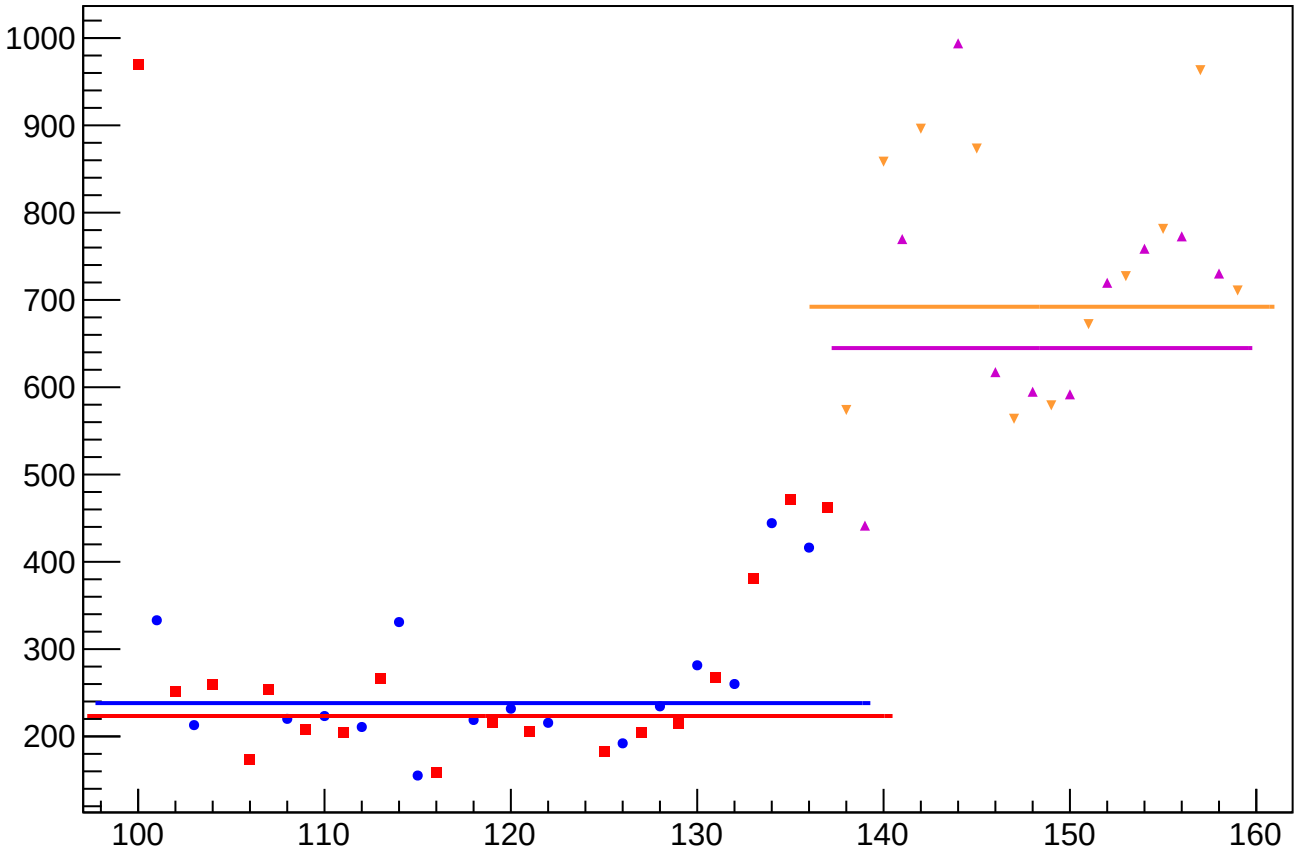
Left: -0.088+/-0.165 χ^2/NDF: 31.1/20

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.012+/-0.060 χ^2/NDF: 71.0/54



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 692.198+/-0.170 χ^2/NDF:539273.4/10

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

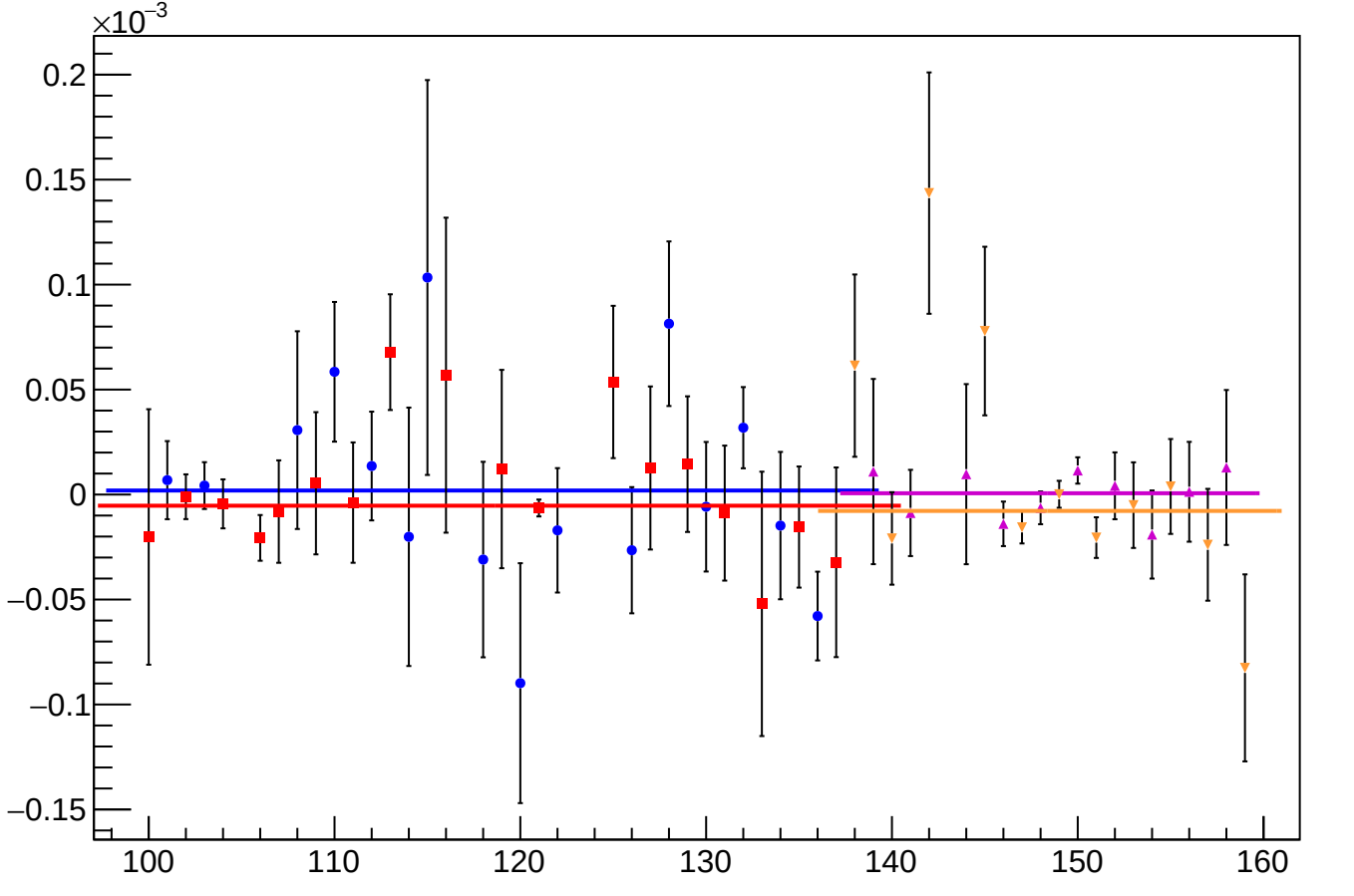
Left: 667.035+/-0.116 χ^2/NDF: 1327171.2/20

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 298.026+/-0.061 χ^2/NDF:7088022.8/25

Out: 281.015+/-0.060 χ^2/NDF:8067240.7/28

All: 289.292+/-0.043 χ^2/NDF: 15194870.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/10

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

Left In: 0.000+/-0.000 χ^2/NDF:7.0/9

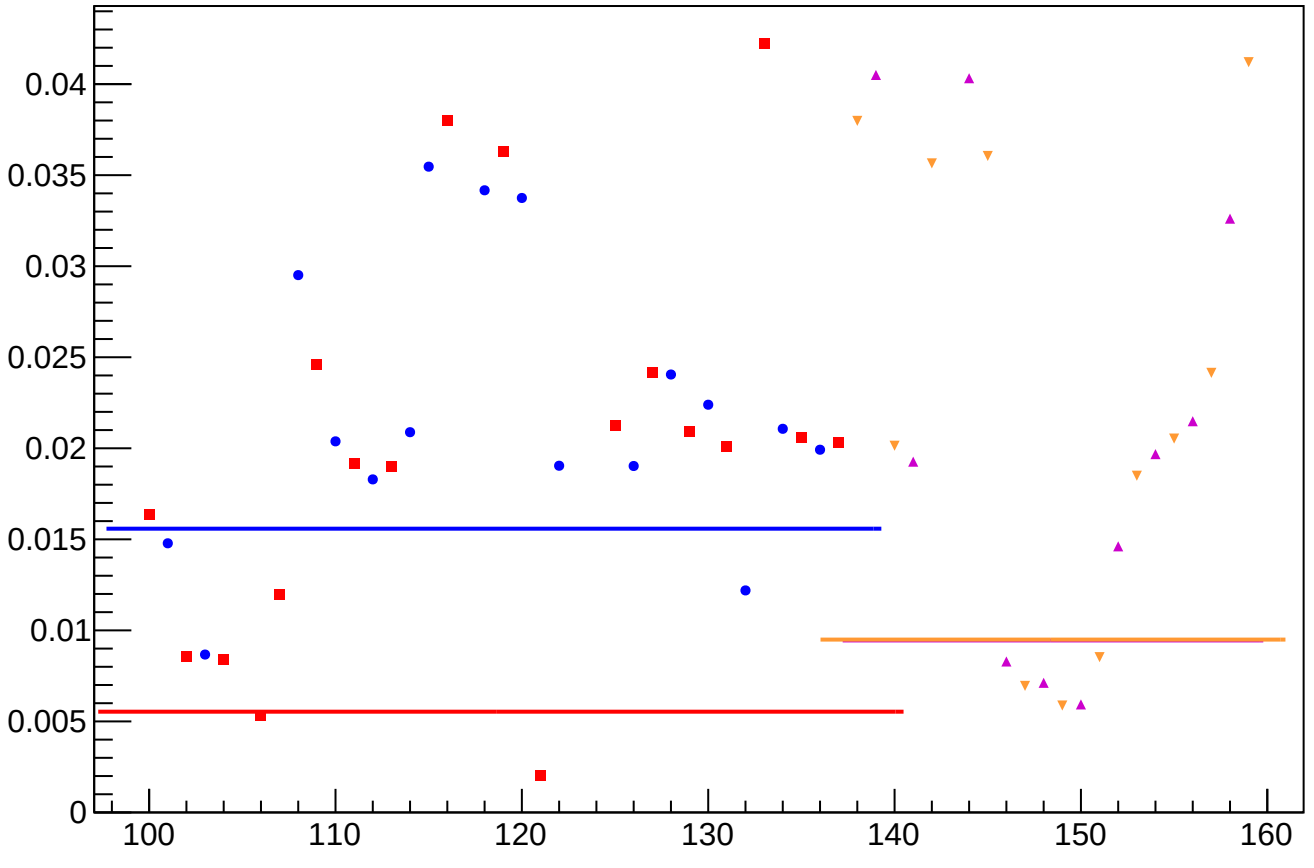
Left: -0.000+/-0.000 χ^2/NDF: 31.4/20

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.1/25

Out: -0.000+/-0.000 χ^2/NDF:36.9/28

All: -0.000+/-0.000 χ^2/NDF: 71.0/54



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:5978033.8/10

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:5301830.1/9

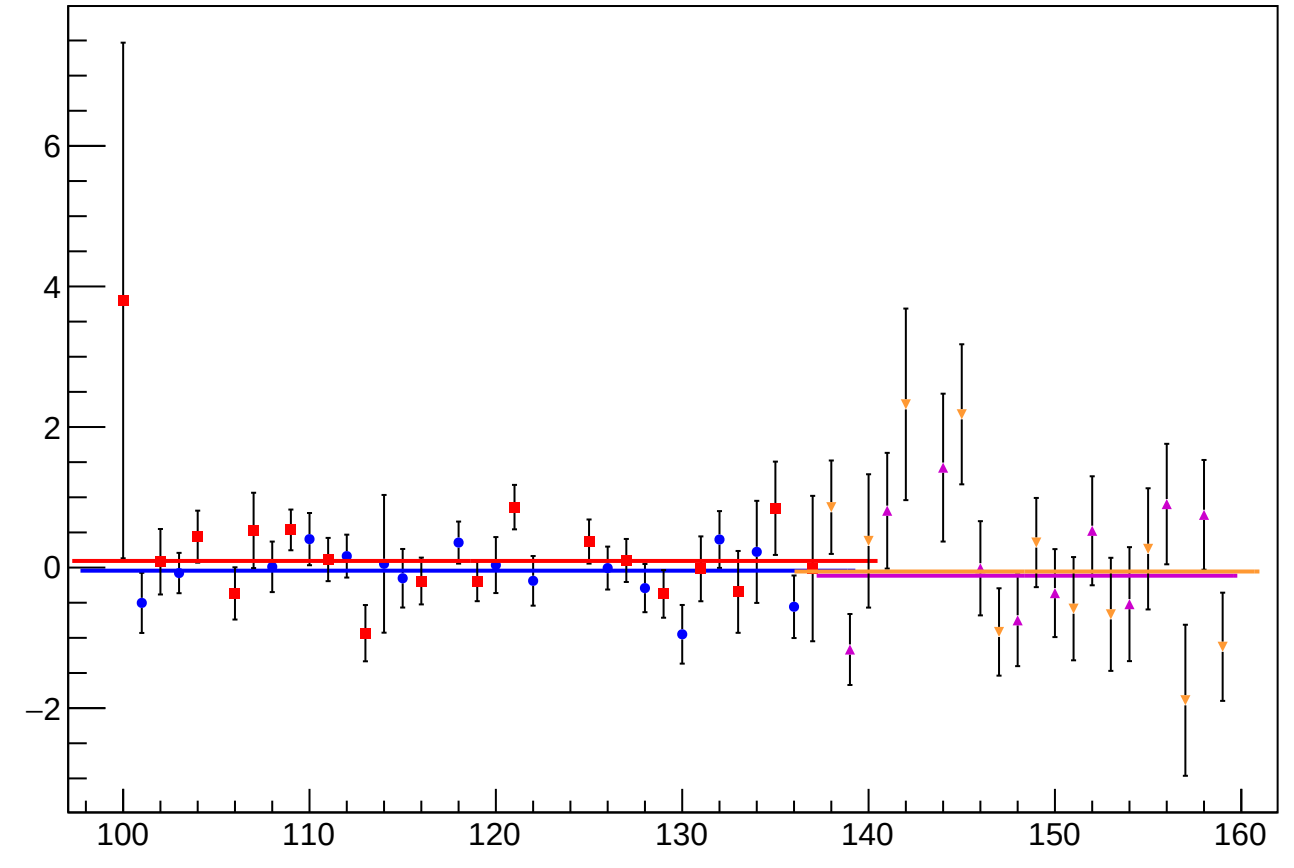
Left: 0.009+/-0.000 χ^2/NDF: 11279999.6/20

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:8708865.4/25

Out: 0.007+/-0.000 χ^2/NDF:15119241.2/28

All: 0.009+/-0.000 χ^2/NDF: 25732565.0/54



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.056+/-0.241 χ^2/NDF:18.6/10

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

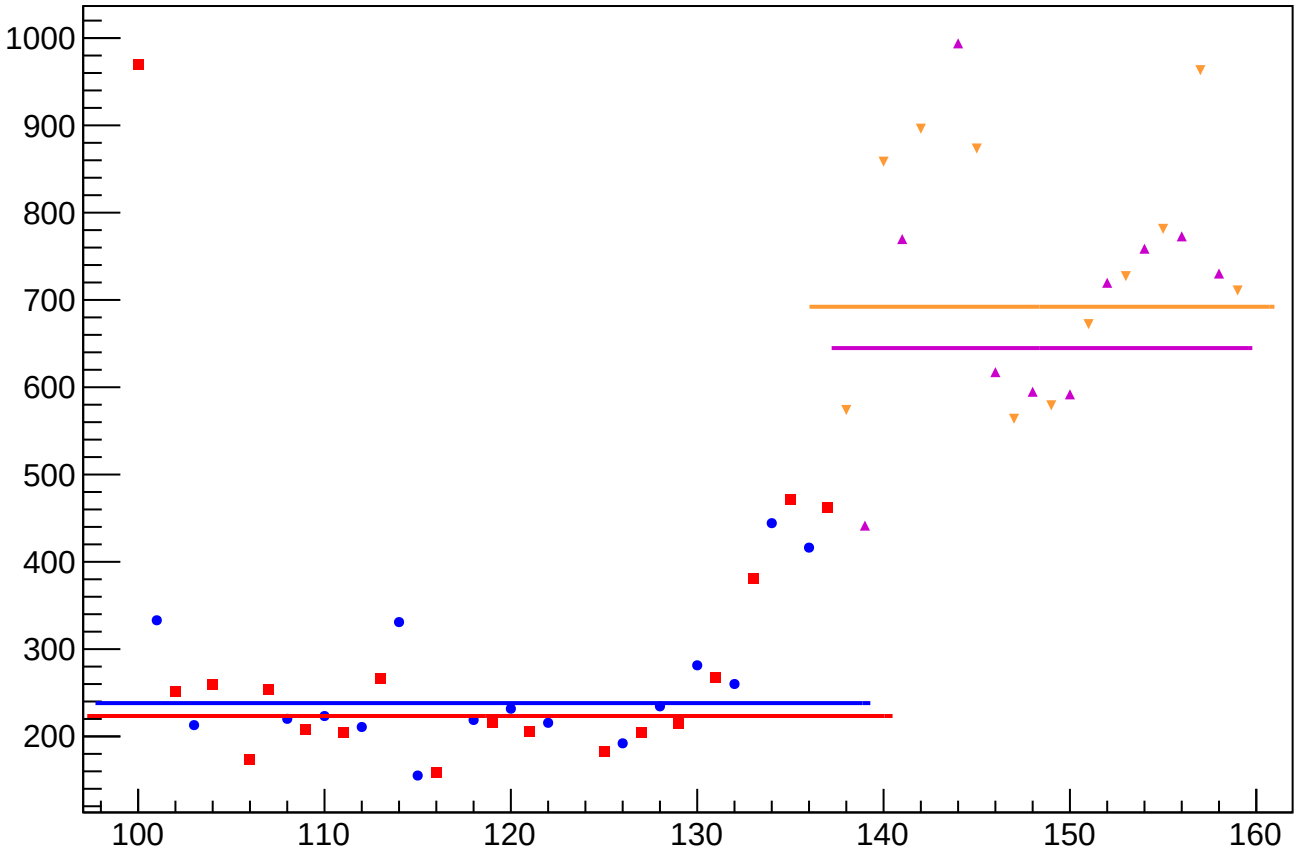
Left: -0.088+/-0.165 χ^2/NDF: 31.1/20

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.012+/-0.060 χ^2/NDF: 71.0/54



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 692.205+/-0.170 χ^2/NDF:539322.2/10

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

Left: 667.043+/-0.116 χ^2/NDF: 1327203.7/20

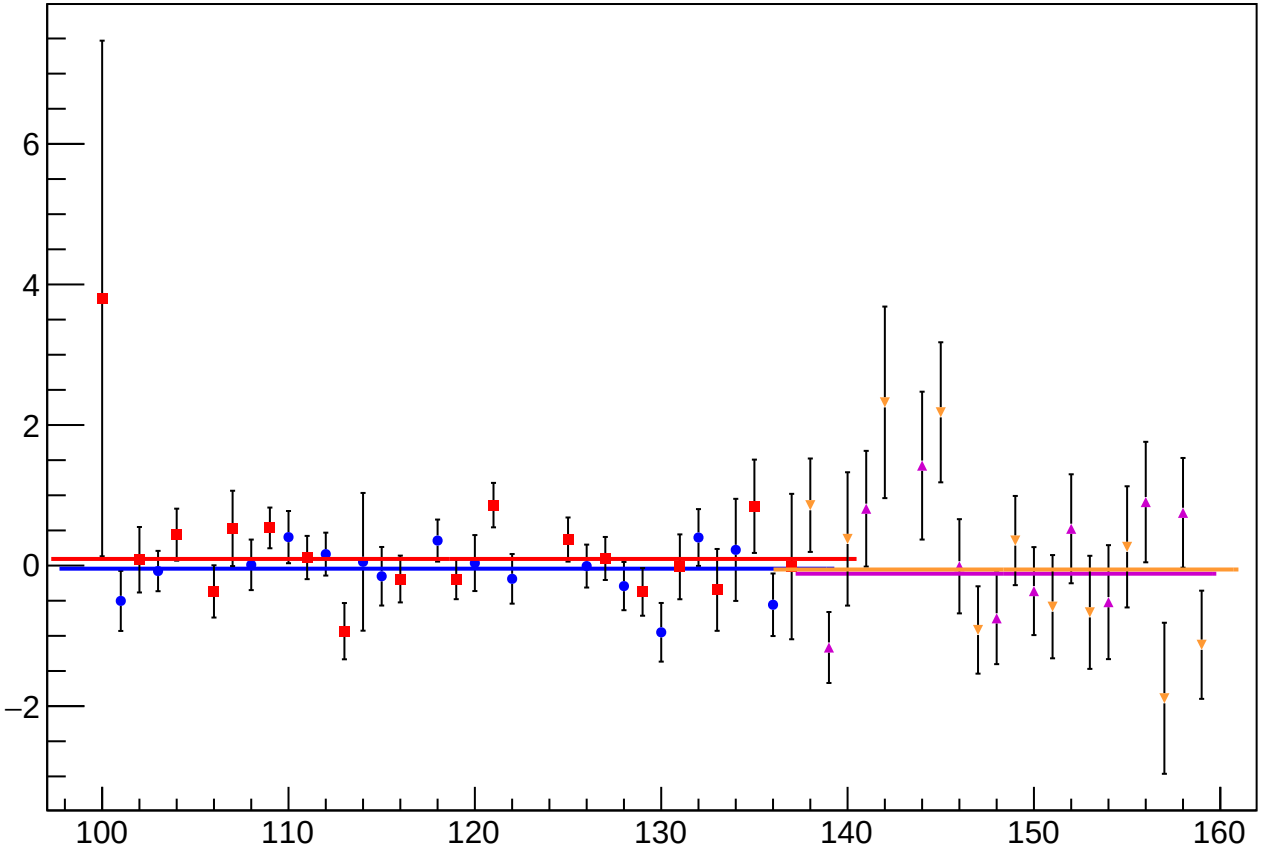
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 298.027+/-0.061 χ^2/NDF:7088078.2/25

Out: 281.016+/-0.060 χ^2/NDF:8067246.5/28

All: 289.293+/-0.043 χ^2/NDF: 15194927.7/54

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.056+/-0.241 χ^2/NDF:18.6/10

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

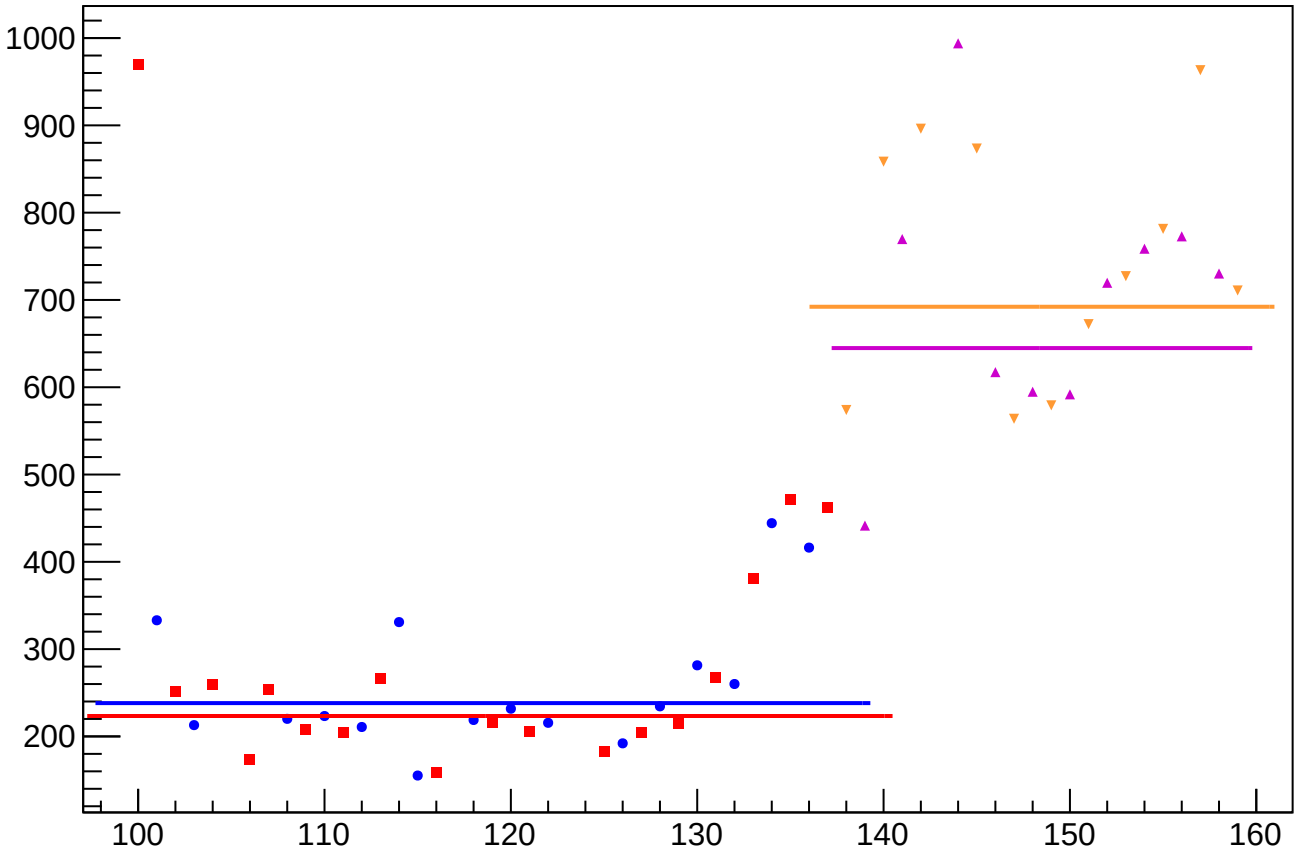
Left: -0.088+/-0.165 χ^2/NDF: 31.1/20

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.012+/-0.060 χ^2/NDF: 71.0/54



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 692.205+/-0.170 χ^2/NDF:539322.2/10

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

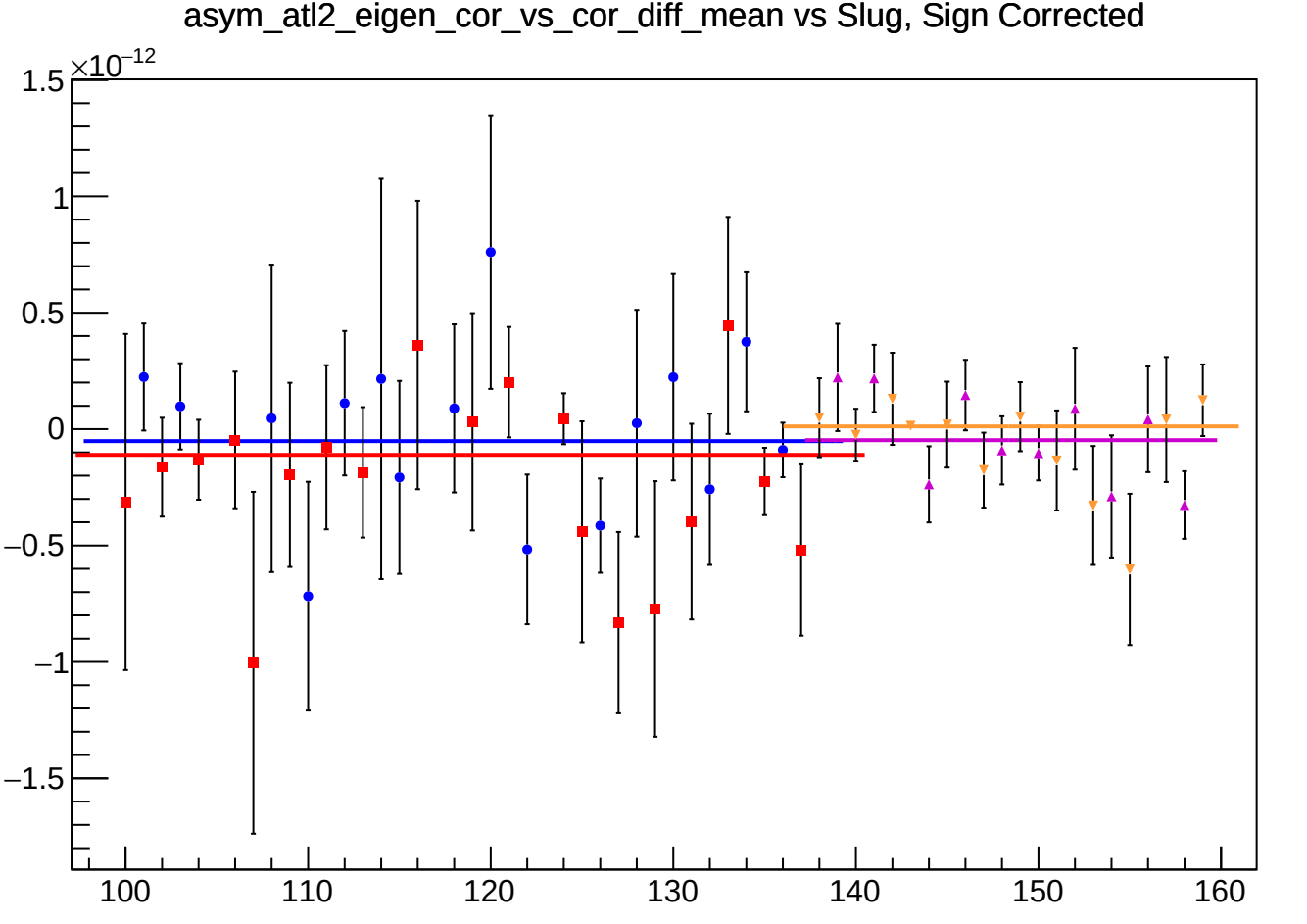
Left: 667.043+/-0.116 χ^2/NDF: 1327203.7/20

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 298.027+/-0.061 χ^2/NDF:7088078.2/25

Out: 281.016+/-0.060 χ^2/NDF:8067246.5/28

All: 289.293+/-0.043 χ^2/NDF: 15194927.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/9

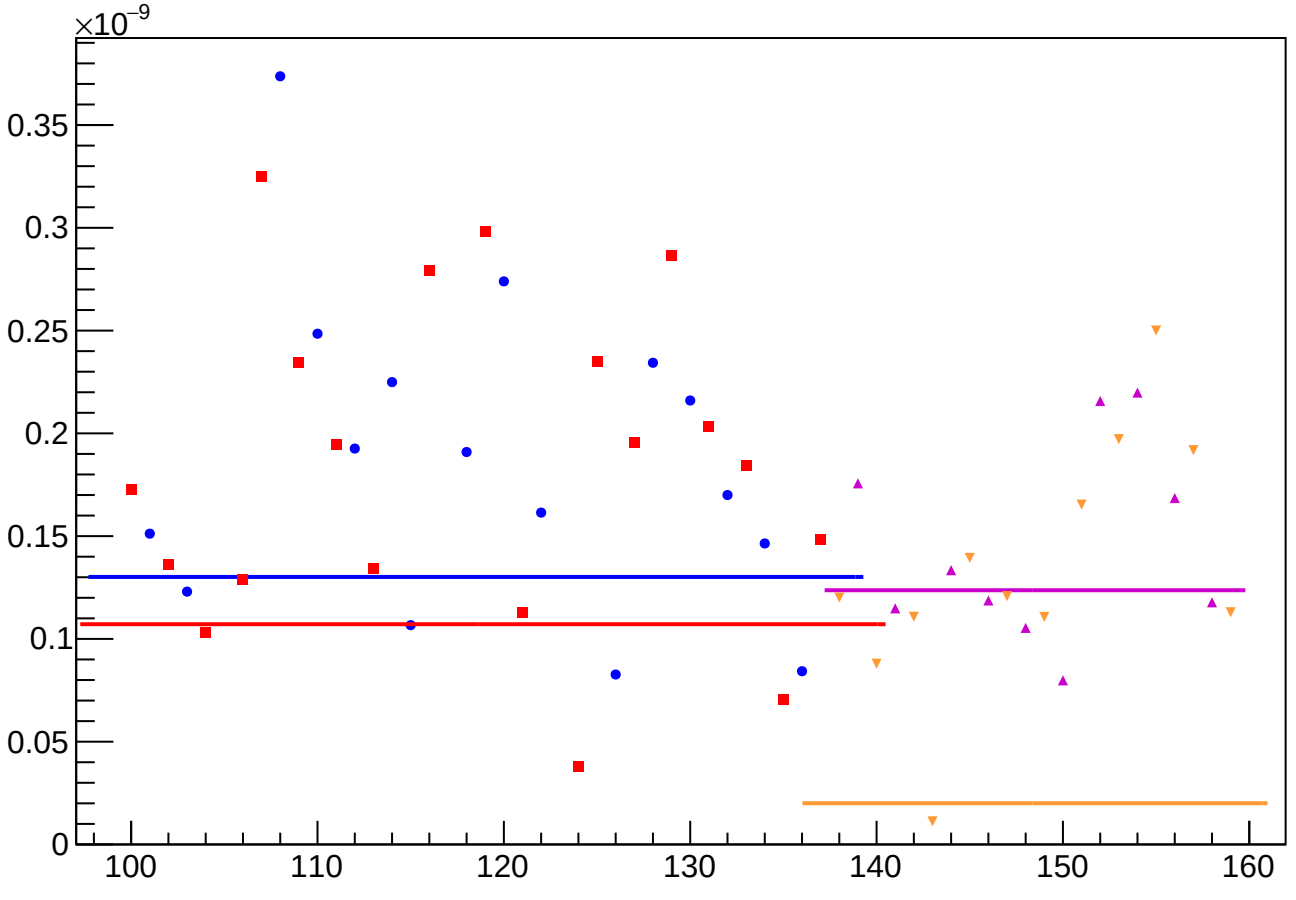
Left: 0.000+/-0.000 χ^2/NDF: 22.5/21

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:27.8/25

Out: 0.000+/-0.000 χ^2/NDF:27.7/30

All: -0.000+/-0.000 χ^2/NDF: 57.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9304890.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1027911.1/9

Left: 0.000+/-0.000 χ^2/NDF: 17558161.0/21

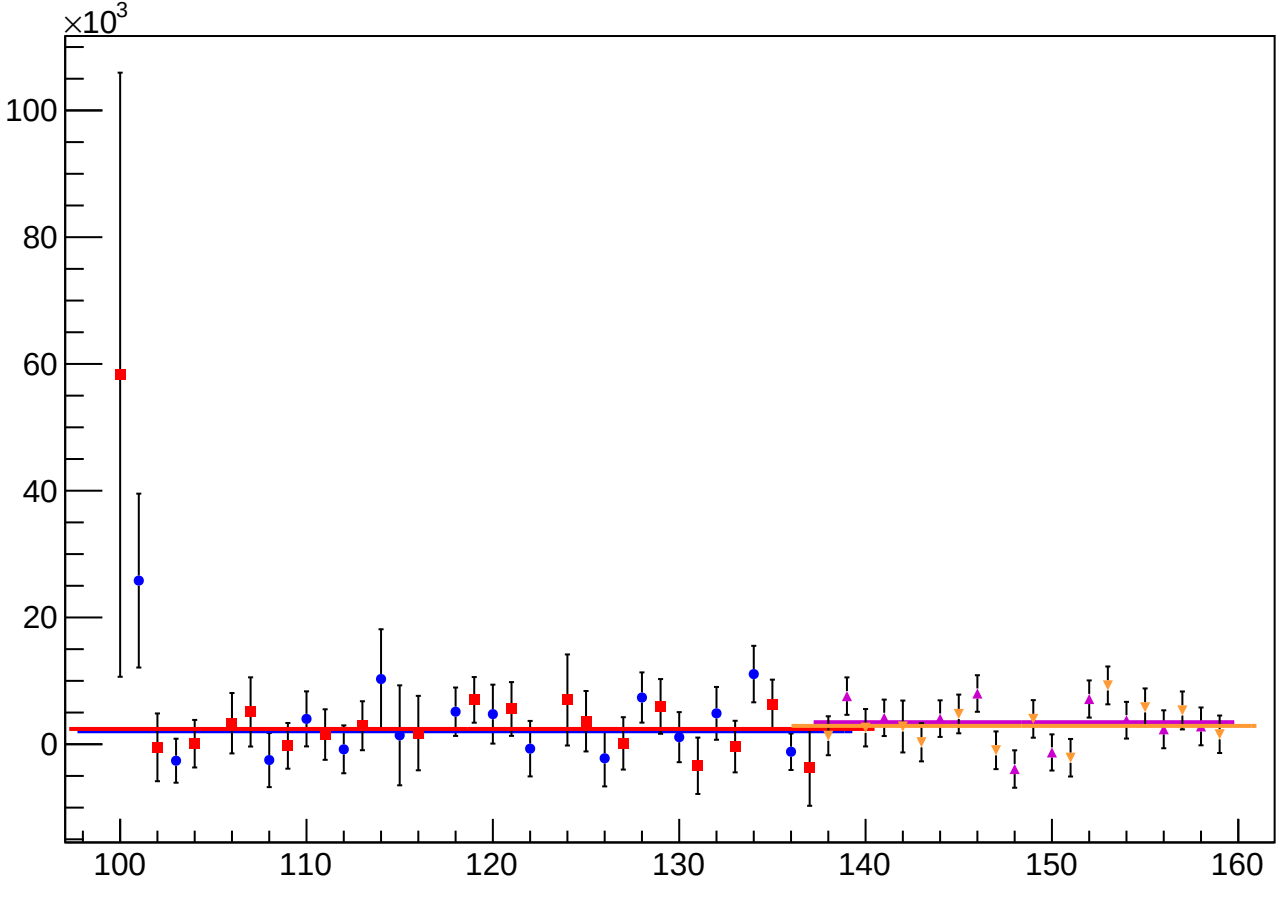
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2373643.0/25

Out: 0.000+/-0.000 χ^2/NDF:16056157.2/30

All: 0.000+/-0.000 χ^2/NDF: 29025090.8/56

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2893.081+/-880.759 χ^2/NDF:12.5/11

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 3474.531+/-923.466 χ^2/NDF:15.3/9

Left: 3170.051+/-637.354 χ^2/NDF: 28.0/21

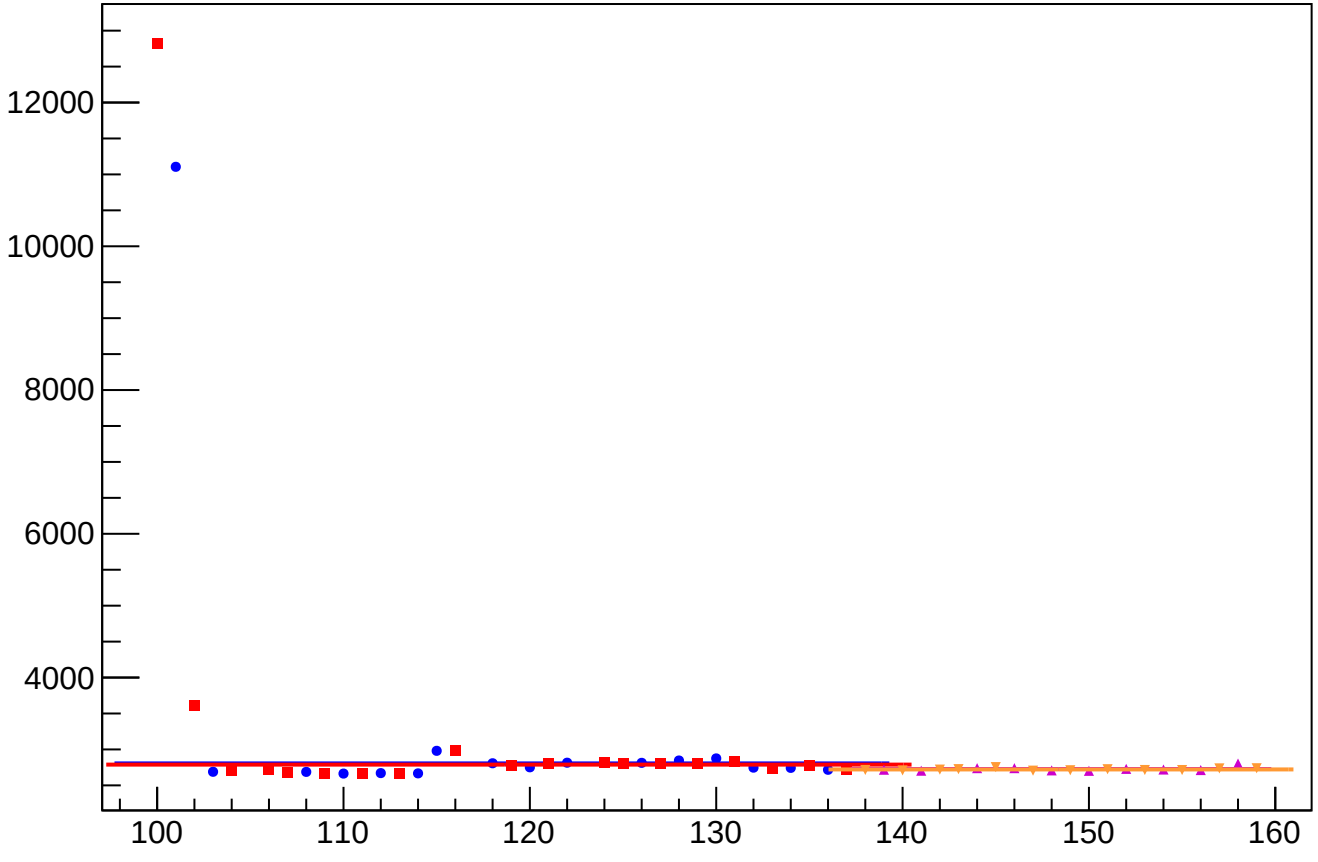
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2866.457+/-699.212 χ^2/NDF:34.1/25

Out: 2691.071+/-670.890 χ^2/NDF:23.4/30

All: 2775.140+/-484.094 χ^2/NDF: 57.5/56

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2721.755+/-0.623 χ^2/NDF:513.7/11

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

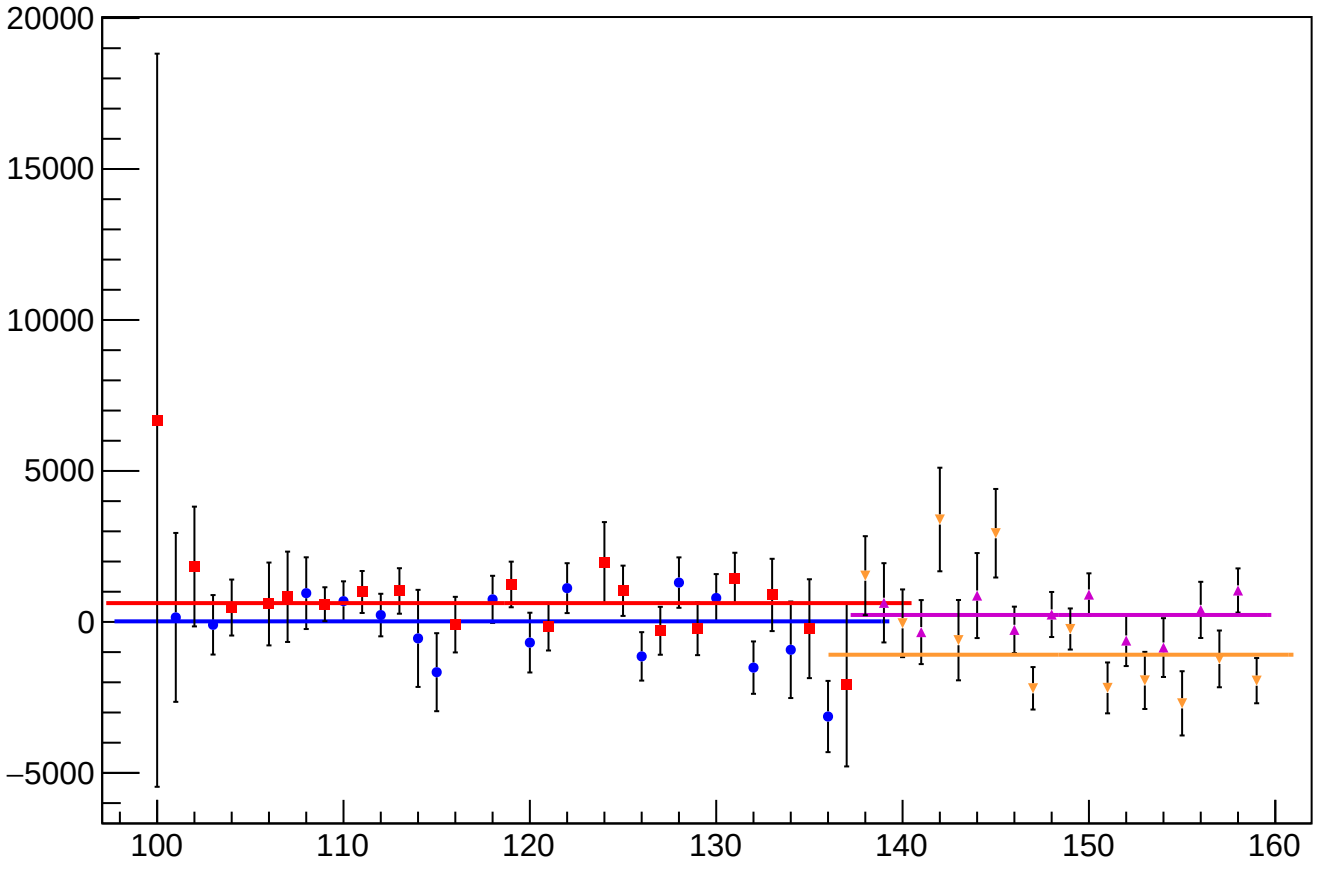
Left: 2724.555+/-0.451 χ^2/NDF: 2376.1/21

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2760.836+/-0.494 χ^2/NDF:754119.9/25

Out: 2749.908+/-0.474 χ^2/NDF:152379.9/30

All: 2755.146+/-0.342 χ^2/NDF: 906754.2/56



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1086.204+/-274.686 χ^2/NDF:29.6/11

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 230.447+/-277.716 χ^2/NDF:5.4/9

Left: -435.100+/-195.295 χ^2/NDF: 46.3/21

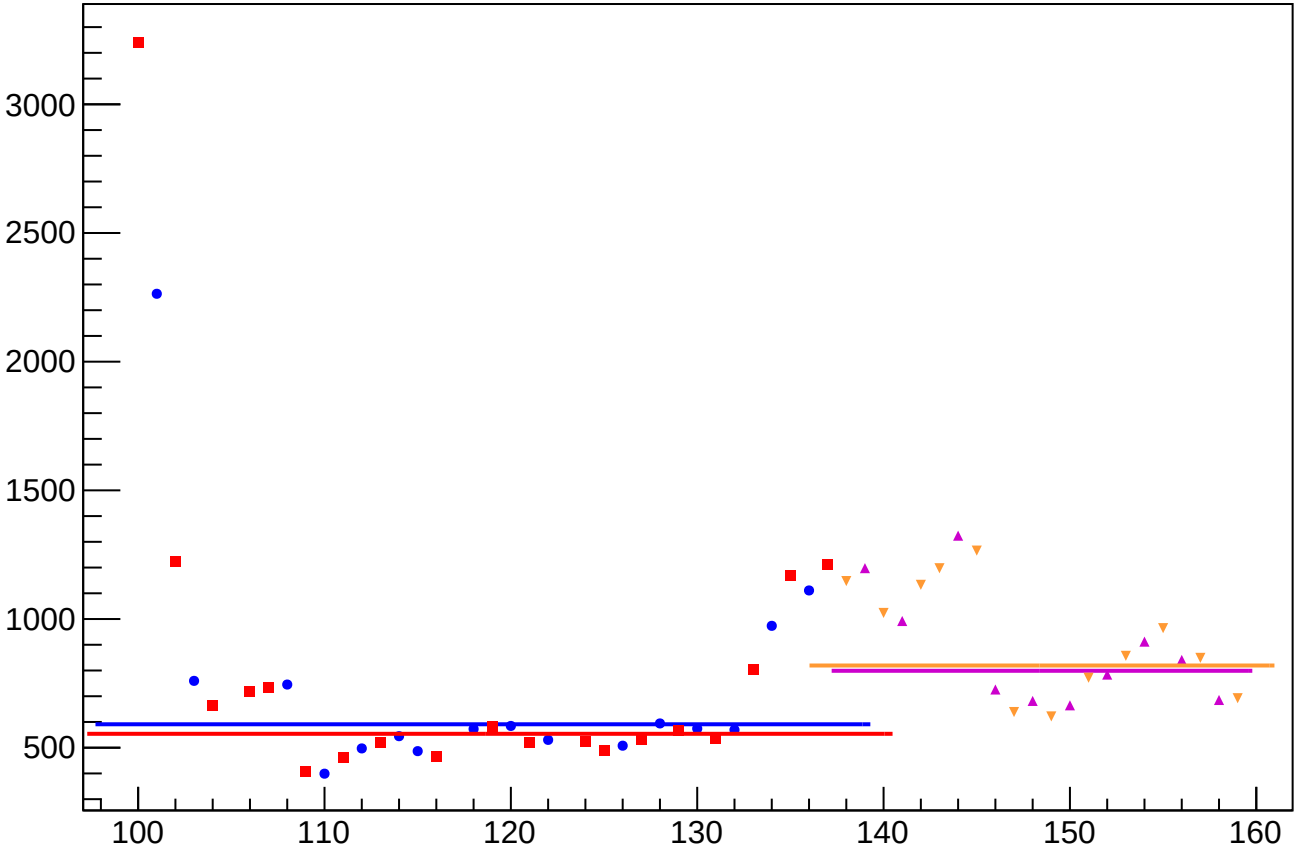
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 106.552+/-178.715 χ^2/NDF:28.5/25

Out: -29.803+/-169.767 χ^2/NDF:62.8/30

All: 34.876+/-123.085 χ^2/NDF: 91.6/56

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 819.394+/-0.194 χ^2/NDF:1013145.1/11

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 798.860+/-0.196 χ^2/NDF:749257.1/9

Left: 809.240+/-0.138 χ^2/NDF: 1767929.2/21

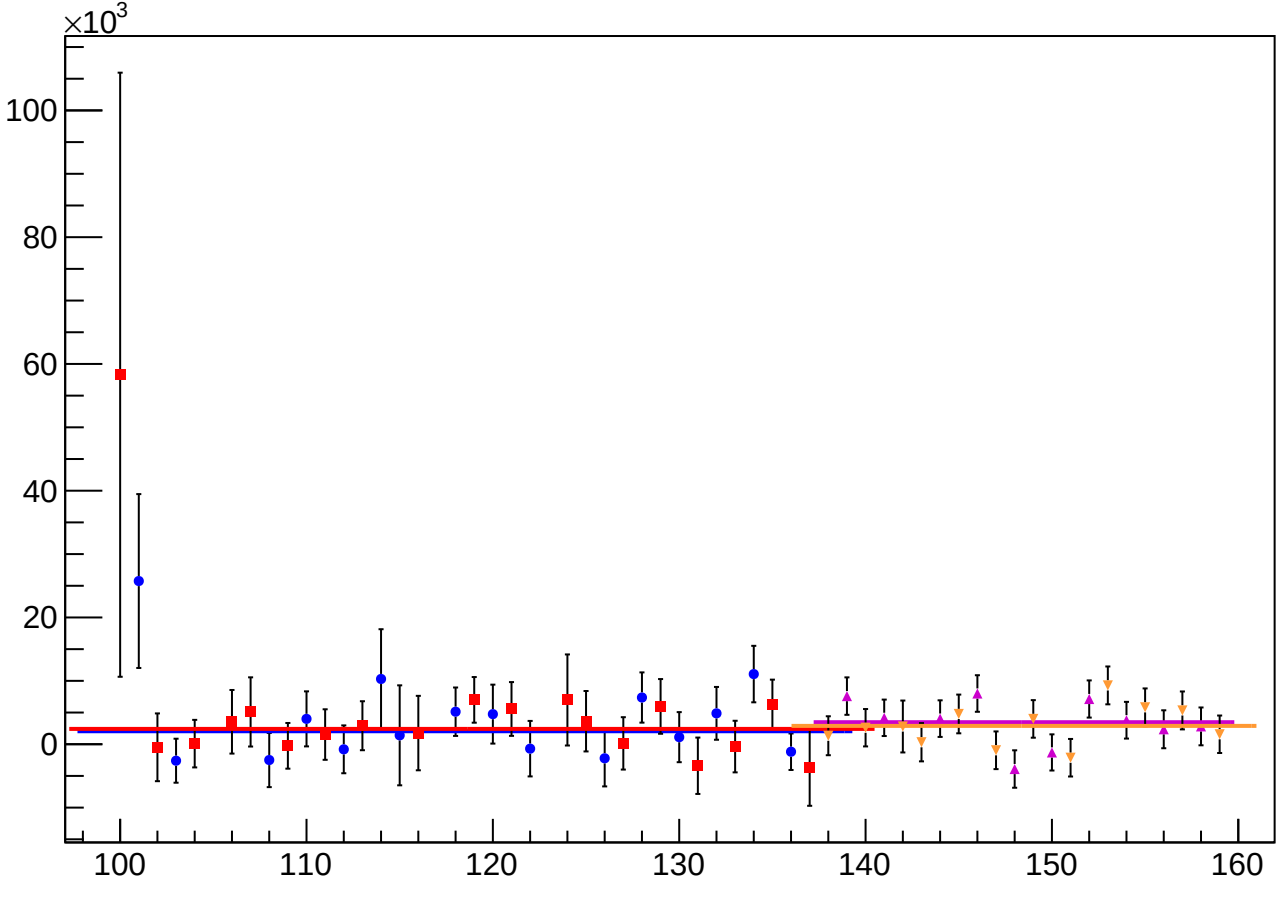
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 677.102+/-0.126 χ^2/NDF:2973079.8/25

Out: 655.362+/-0.120 χ^2/NDF:3284059.5/30

All: 665.674+/-0.087 χ^2/NDF: 6272696.3/56

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2893.133+/-880.759 χ^2/NDF:12.5/11

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3474.617+/-923.466 χ^2/NDF:15.3/9

Left: 3170.119+/-637.354 χ^2/NDF: 28.0/21

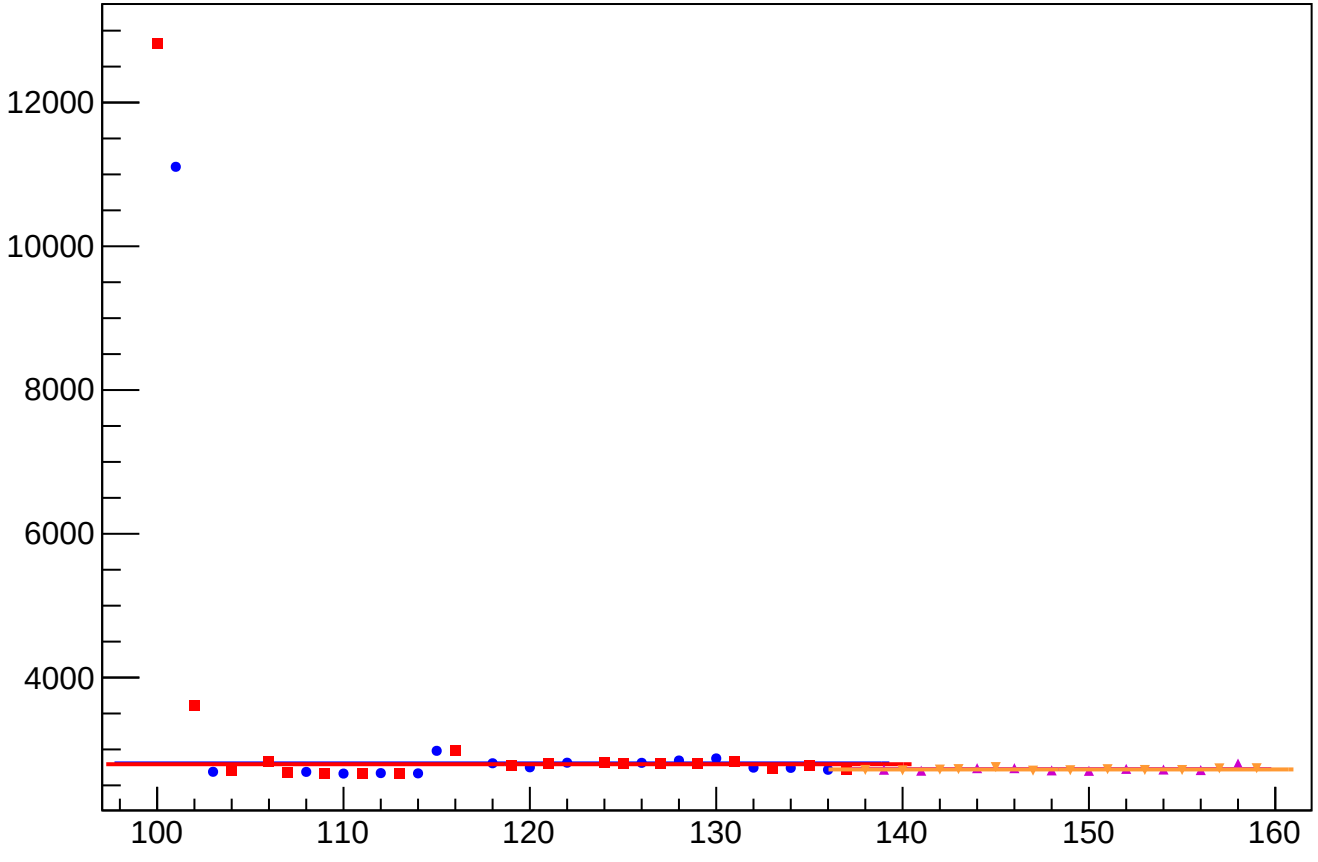
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2866.163+/-699.213 χ^2/NDF:34.1/25

Out: 2694.174+/-671.538 χ^2/NDF:23.4/30

All: 2776.697+/-484.337 χ^2/NDF: 57.5/56

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2721.755+/-0.623 χ^2/NDF:513.7/11

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

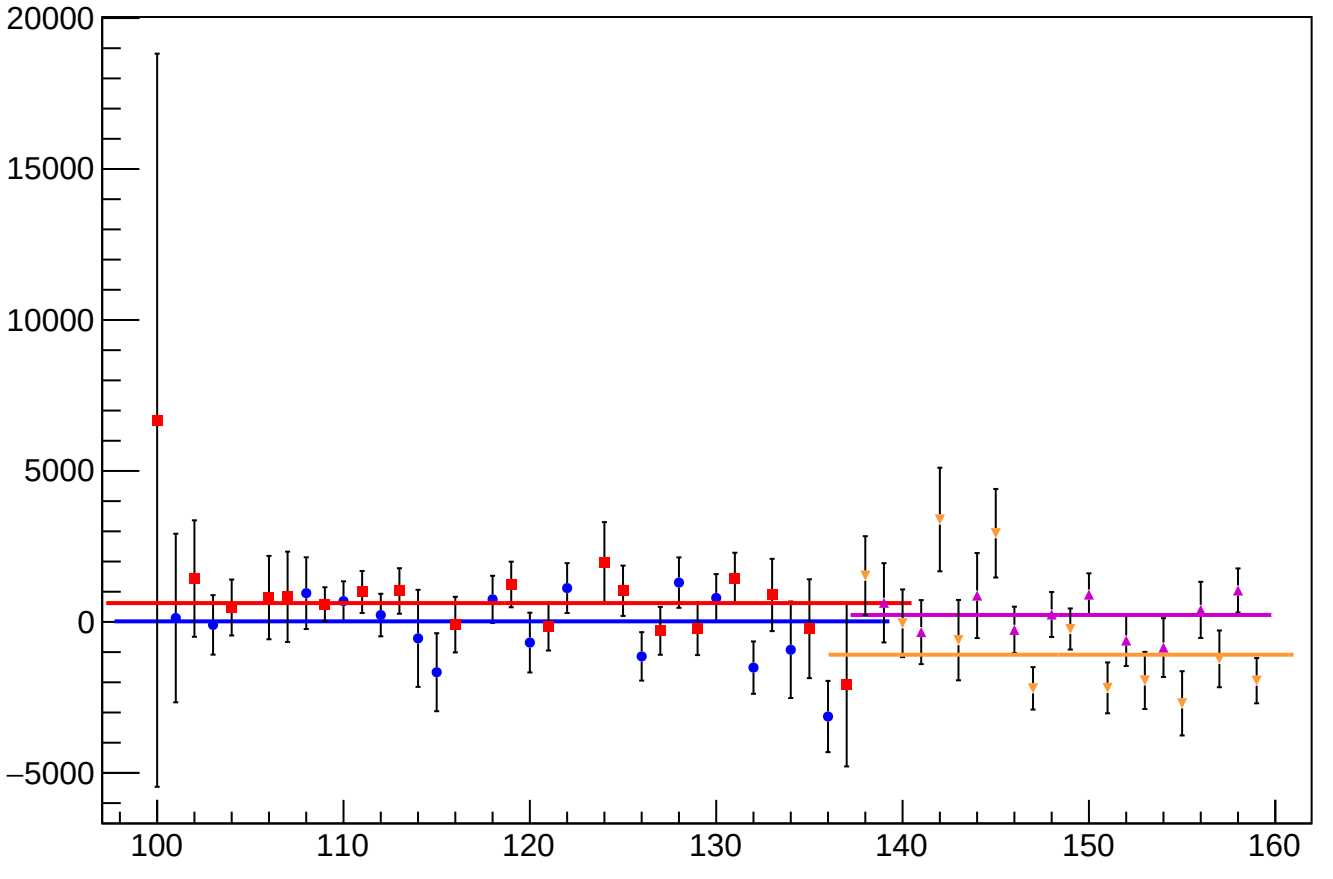
Left: 2724.555+/-0.451 χ^2/NDF: 2376.1/21

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2760.836+/-0.494 χ^2/NDF:754119.0/25

Out: 2752.067+/-0.475 χ^2/NDF:152916.3/30

All: 2756.275+/-0.342 χ^2/NDF: 907198.9/56



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1086.145+/-274.686 χ^2/NDF:29.6/11

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 230.561+/-277.715 χ^2/NDF:5.4/9

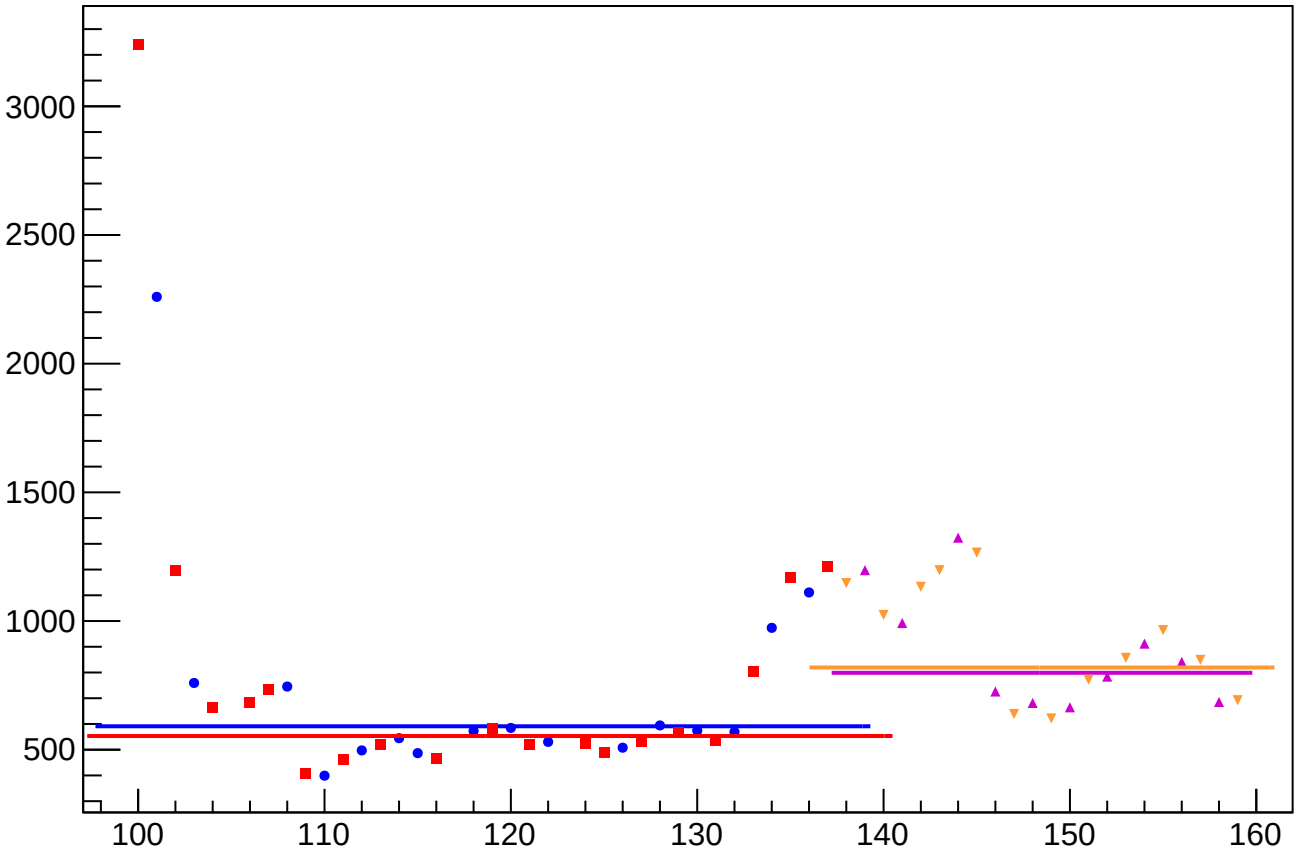
Left: -435.013+/-195.294 χ^2/NDF: 46.3/21

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 106.571+/-178.710 χ^2/NDF:28.5/25

Out: -28.923+/-169.744 χ^2/NDF:62.6/30

All: 35.340+/-123.075 χ^2/NDF: 91.4/56



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 819.391+/-0.194 χ^2/NDF:1013150.7/11

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

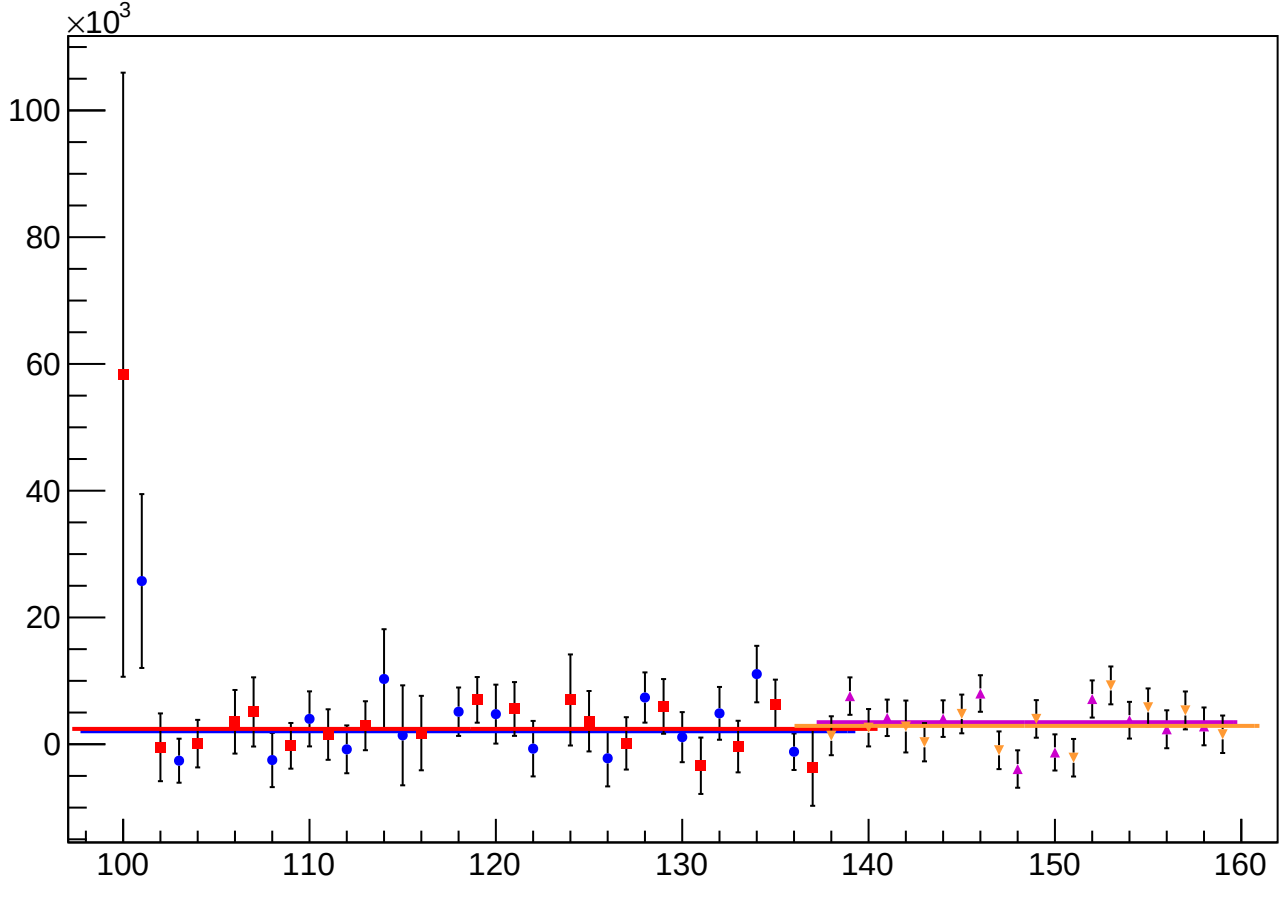
Left: 809.236+/-0.138 χ^2/NDF: 1767924.9/21

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 677.095+/-0.126 χ^2/NDF:2972056.8/25

Out: 654.871+/-0.120 χ^2/NDF:3275490.4/30

All: 665.411+/-0.087 χ^2/NDF: 6263806.3/56



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2893.133+/-880.759 χ^2/NDF:12.5/11

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3474.617+/-923.466 χ^2/NDF:15.3/9

Left: 3170.119+/-637.354 χ^2/NDF: 28.0/21

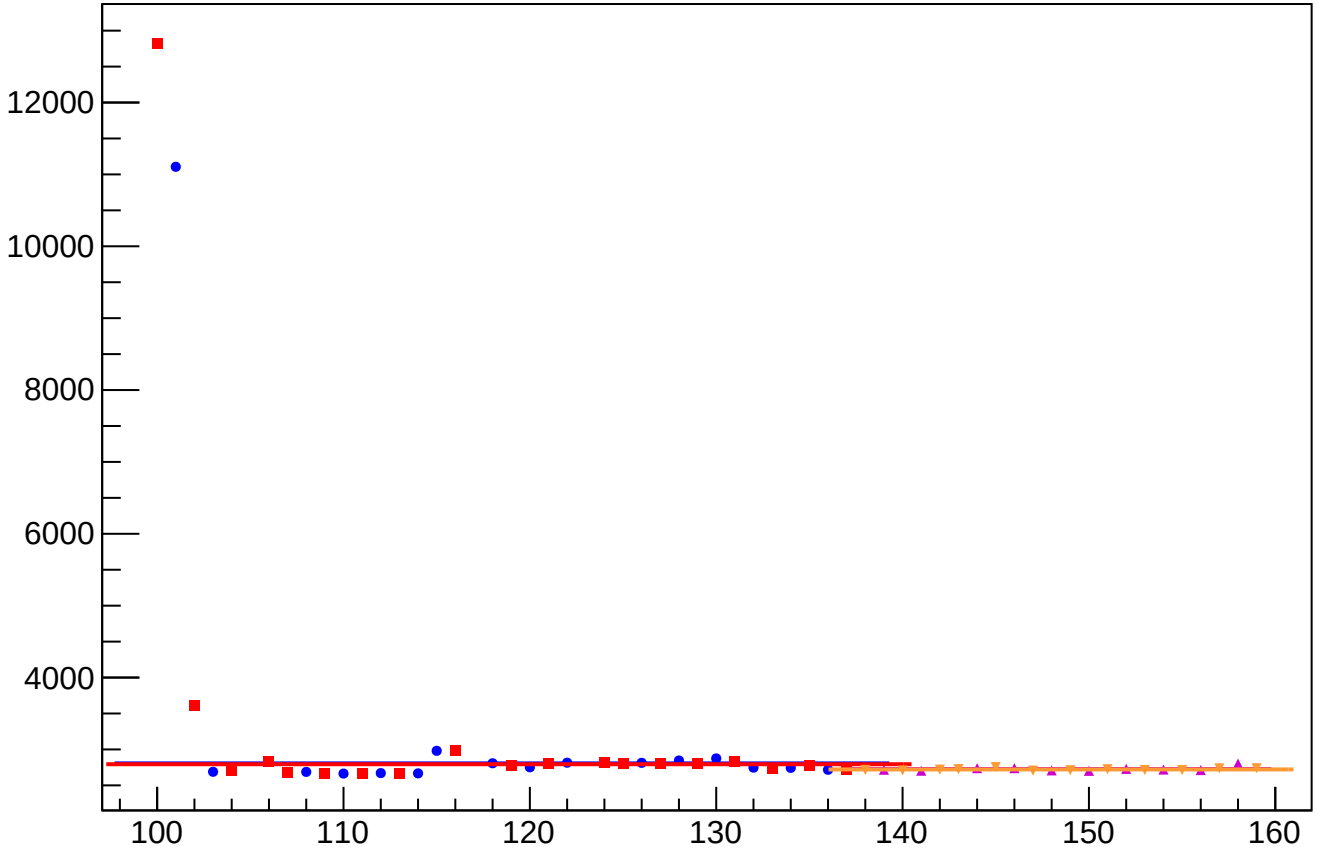
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2866.163+/-699.213 χ^2/NDF:34.1/25

Out: 2694.174+/-671.538 χ^2/NDF:23.4/30

All: 2776.697+/-484.337 χ^2/NDF: 57.5/56

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2721.755+/-0.623 χ^2/NDF:513.7/11

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

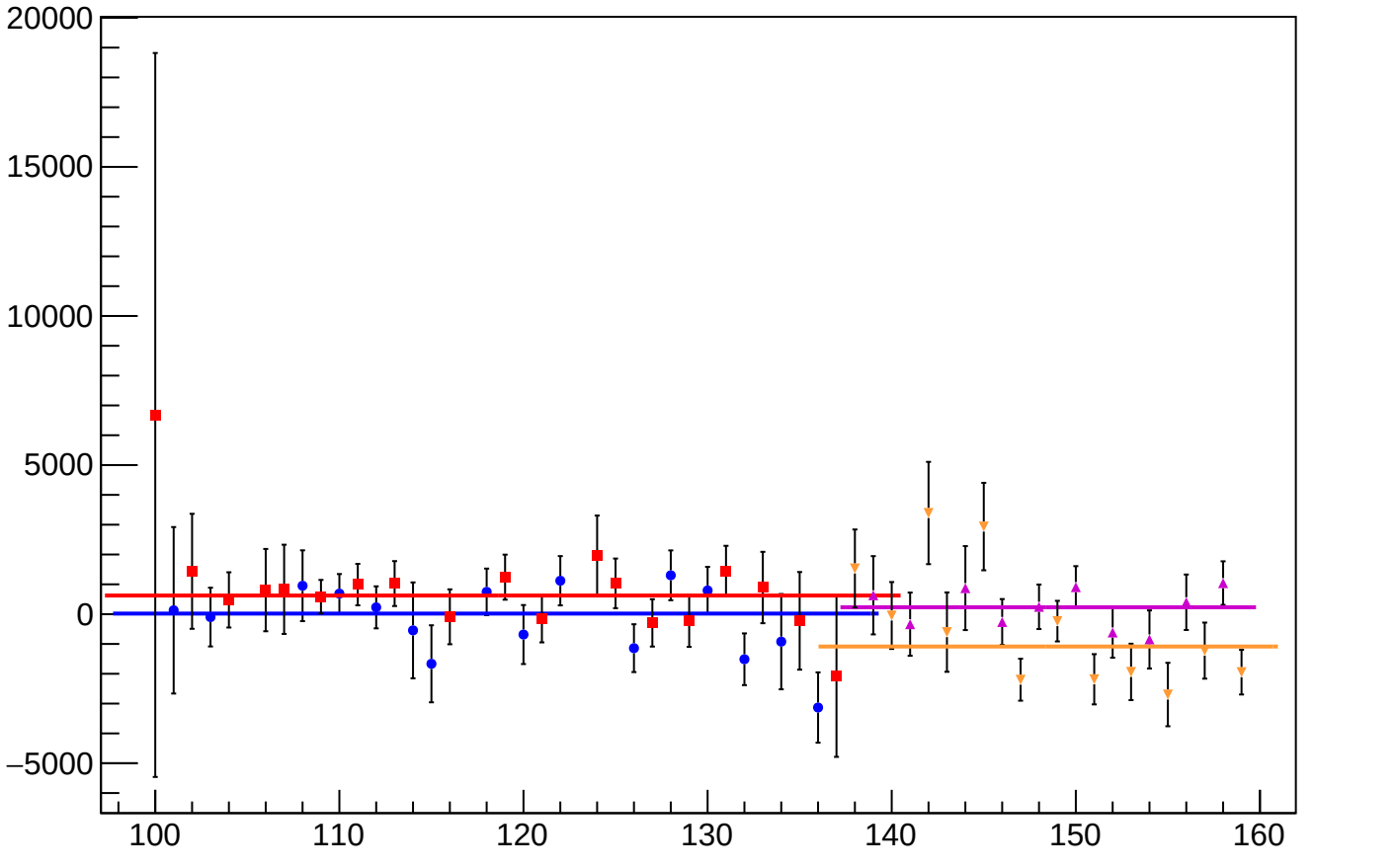
Left: 2724.555+/-0.451 χ^2/NDF: 2376.1/21

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2760.836+/-0.494 χ^2/NDF:754119.0/25

Out: 2752.067+/-0.475 χ^2/NDF:152916.3/30

All: 2756.275+/-0.342 χ^2/NDF: 907198.9/56



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1086.145+/-274.686 χ^2/NDF:29.6/11

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 230.561+/-277.715 χ^2/NDF:5.4/9

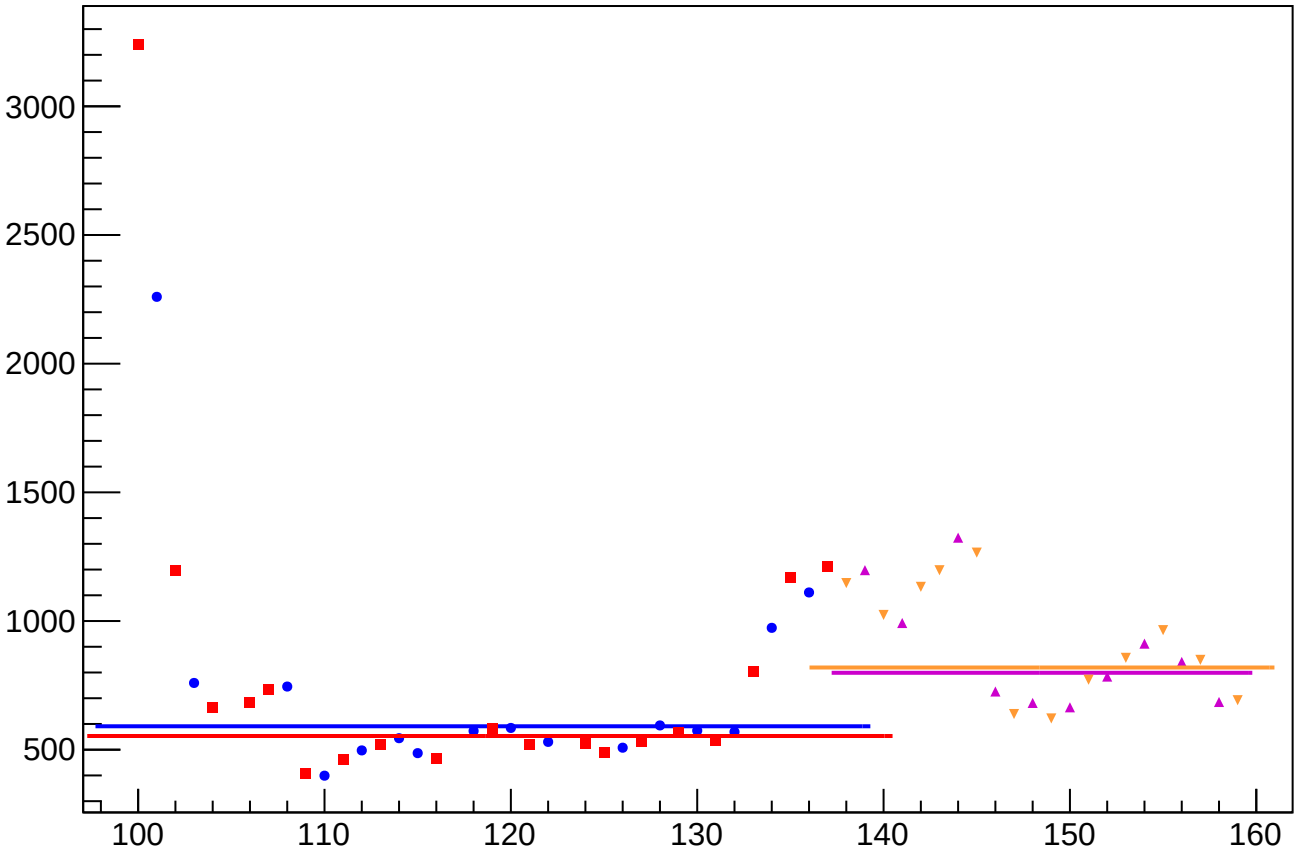
Left: -435.013+/-195.294 χ^2/NDF: 46.3/21

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 106.571+/-178.710 χ^2/NDF:28.5/25

Out: -28.923+/-169.744 χ^2/NDF:62.6/30

All: 35.340+/-123.075 χ^2/NDF: 91.4/56



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 819.391+/-0.194 χ^2/NDF:1013150.7/11

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

Left: 809.236+/-0.138 χ^2/NDF: 1767924.9/21

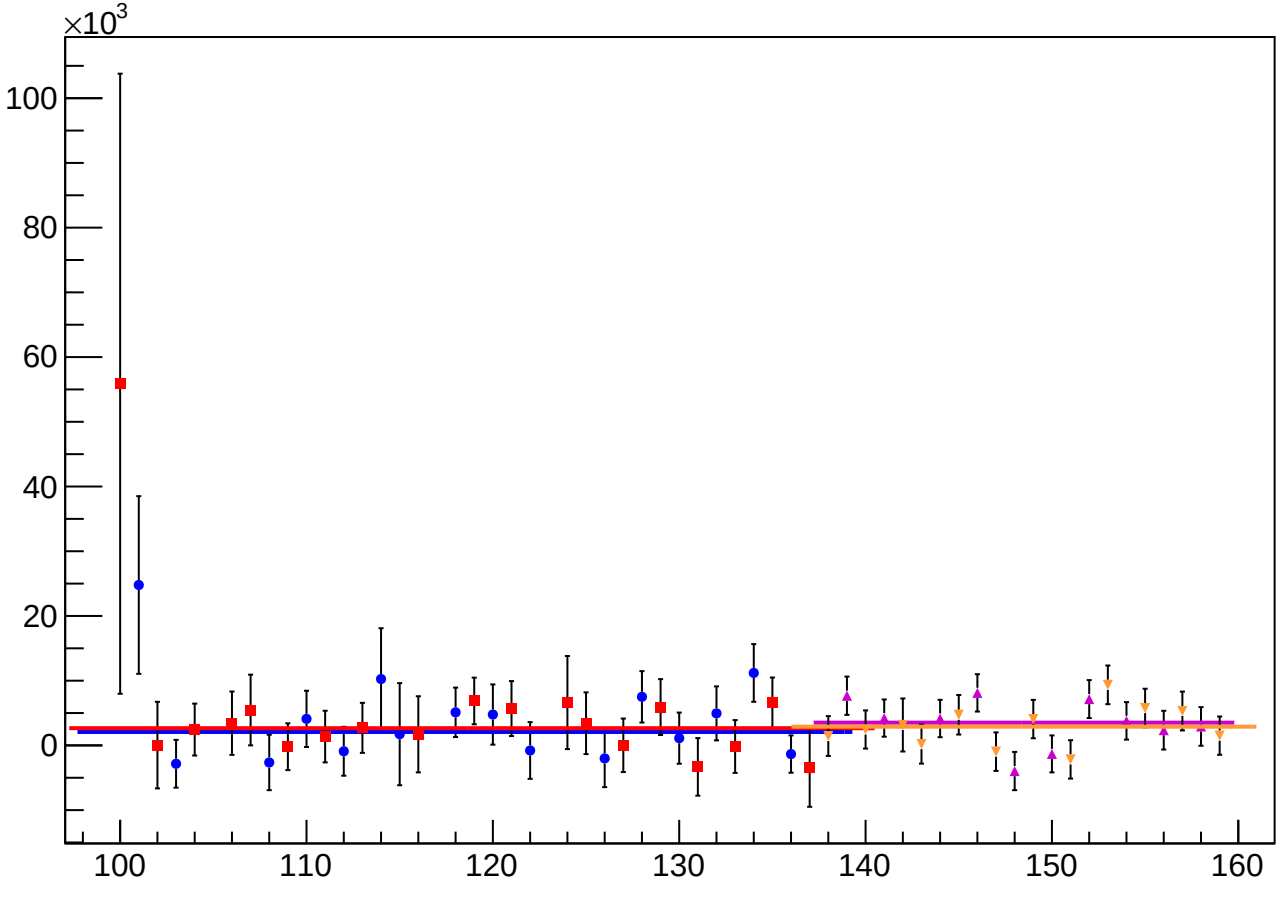
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 677.095+/-0.126 χ^2/NDF:2972056.8/25

Out: 654.871+/-0.120 χ^2/NDF:3275490.4/30

All: 665.411+/-0.087 χ^2/NDF: 6263806.3/56

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2889.027+/-881.447 χ^2/NDF:12.6/11

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3515.300+/-924.069 χ^2/NDF:15.6/9

Left: 3187.388+/-637.813 χ^2/NDF: 28.5/21

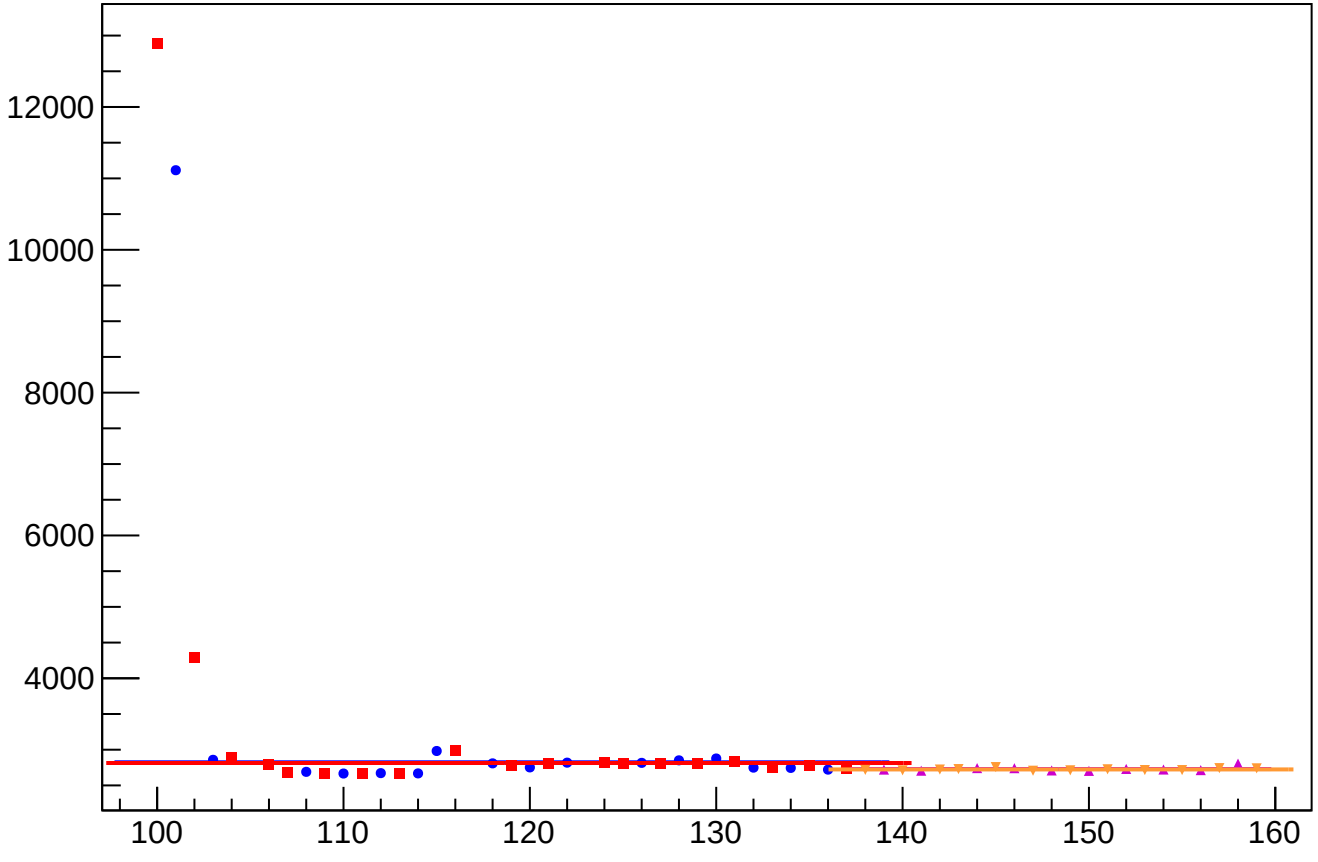
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2904.605+/-701.358 χ^2/NDF:34.5/25

Out: 2793.220+/-675.068 χ^2/NDF:22.6/30

All: 2846.786+/-486.374 χ^2/NDF: 57.2/56

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.872+/-0.623 χ^2/NDF:553.2/11

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

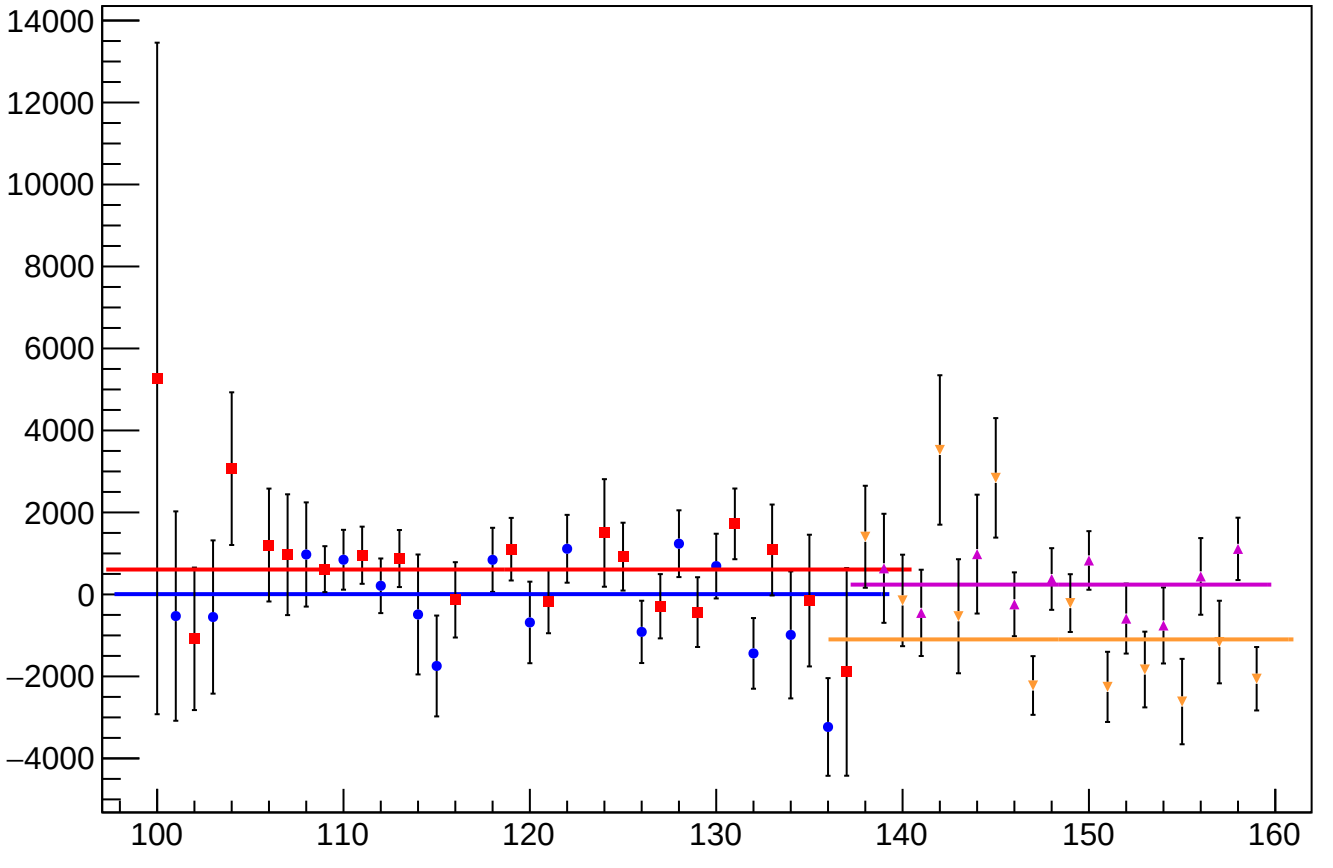
Left: 2726.506+/-0.451 χ^2/NDF: 2422.0/21

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2769.271+/-0.496 χ^2/NDF:754529.7/25

Out: 2761.062+/-0.477 χ^2/NDF:209676.3/30

All: 2765.010+/-0.344 χ^2/NDF: 964348.2/56



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1097.321+/-279.359 χ^2/NDF:28.8/11

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 239.240+/-280.348 χ^2/NDF:5.3/9

Left: -431.403+/-197.885 χ^2/NDF: 45.6/21

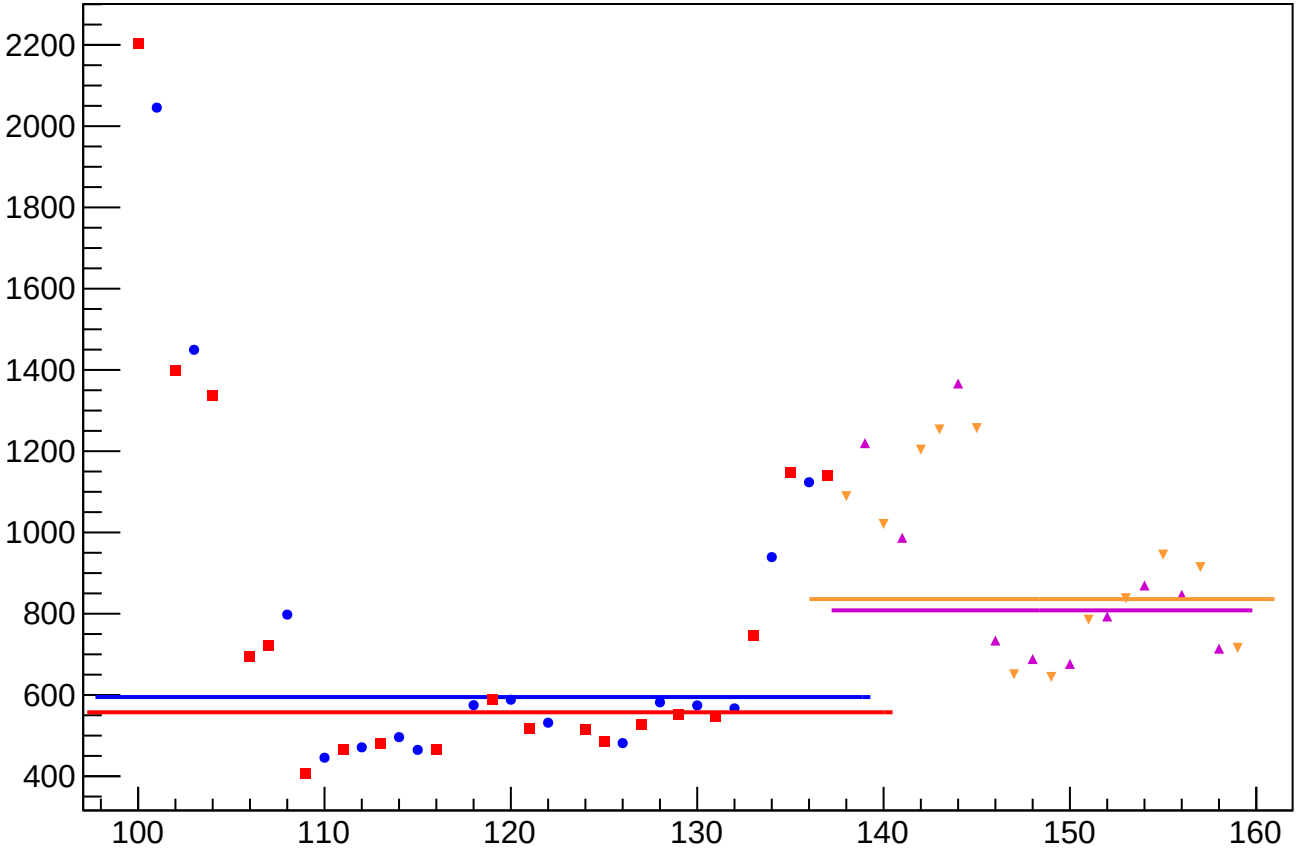
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 104.041+/-181.194 χ^2/NDF:28.5/25

Out: -34.311+/-171.418 χ^2/NDF:64.2/30

All: 31.032+/-124.524 χ^2/NDF: 93.1/56

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 836.030+/-0.198 χ^2/NDF:936814.7/11

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 808.232+/-0.198 χ^2/NDF:726082.2/9

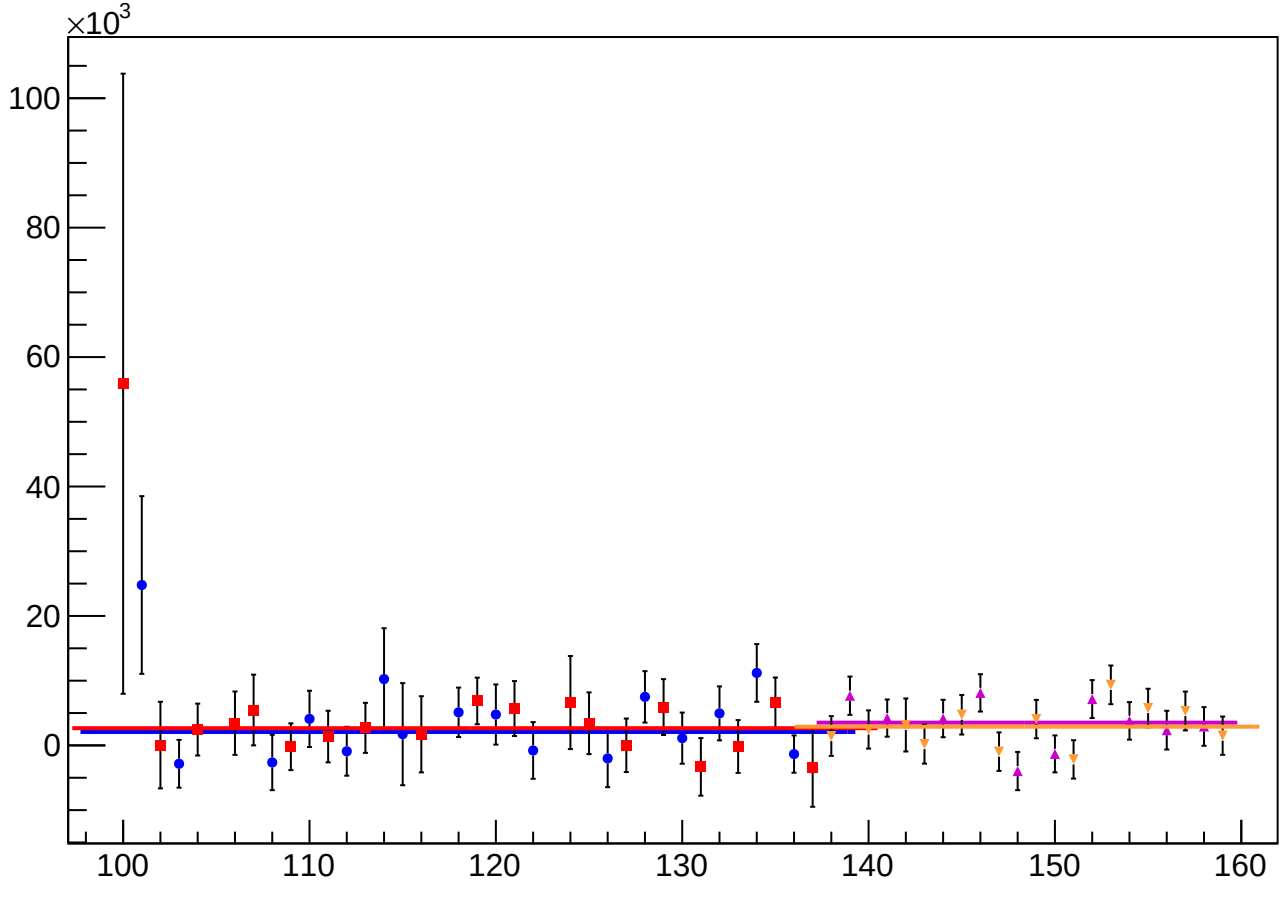
Left: 822.180+/-0.140 χ^2/NDF: 1672763.3/21

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 683.990+/-0.128 χ^2/NDF:3253336.9/25

Out: 662.308+/-0.121 χ^2/NDF:3808610.5/30

All: 672.549+/-0.088 χ^2/NDF: 7077059.3/56



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2889.029+/-881.447 χ^2/NDF:12.6/11

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3515.300+/-924.069 χ^2/NDF:15.6/9

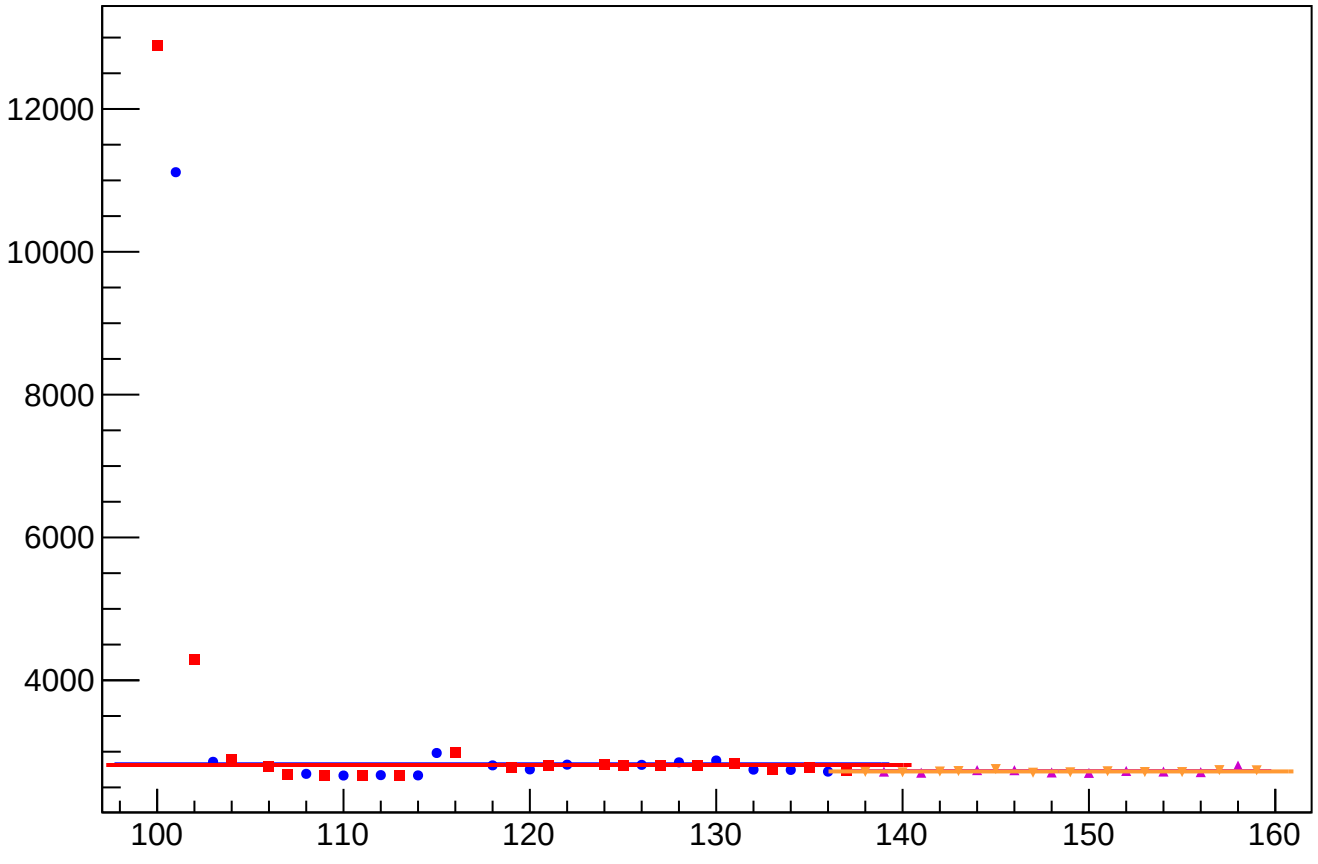
Left: 3187.388+/-637.813 χ^2/NDF: 28.5/21

Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2904.605+/-701.358 χ^2/NDF:34.5/25

Out: 2793.220+/-675.068 χ^2/NDF:22.6/30

All: 2846.786+/-486.374 χ^2/NDF: 57.2/56



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.872+/-0.623 χ^2/NDF:553.2/11

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

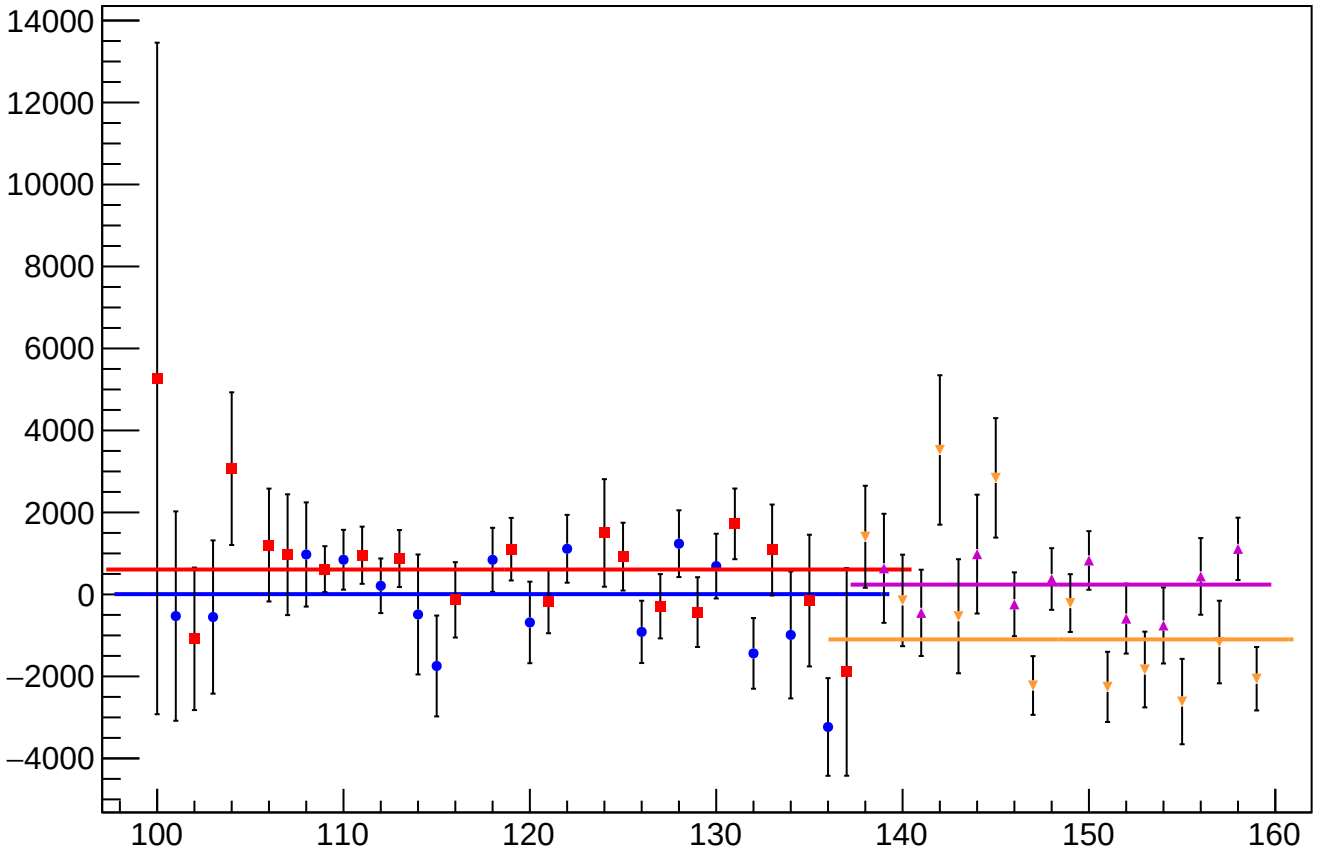
Left: 2726.506+/-0.451 χ^2/NDF: 2422.0/21

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2769.271+/-0.496 χ^2/NDF:754529.6/25

Out: 2761.062+/-0.477 χ^2/NDF:209676.0/30

All: 2765.010+/-0.344 χ^2/NDF: 964347.9/56



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1097.322+/-279.359 χ^2/NDF:28.8/11

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 239.241+/-280.348 χ^2/NDF:5.3/9

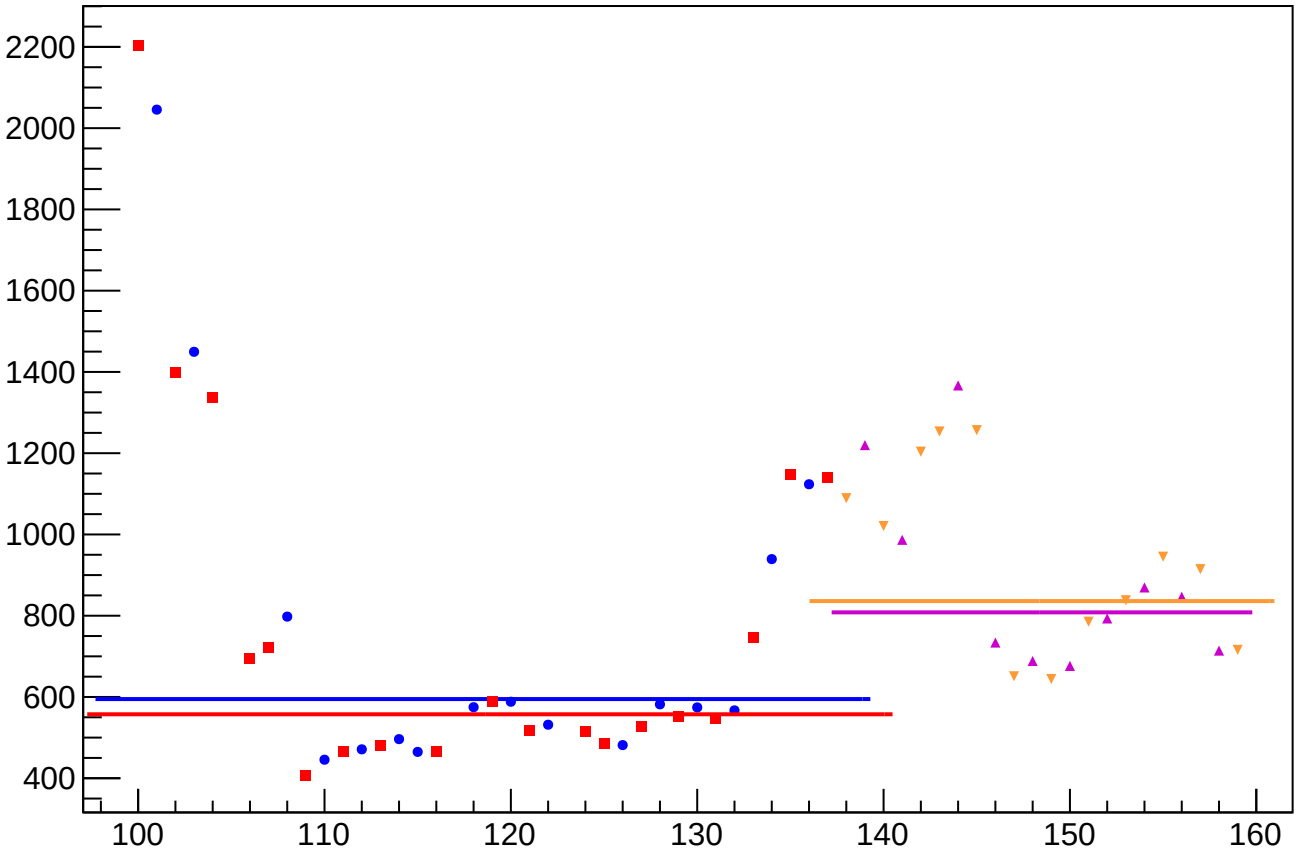
Left: -431.403+/-197.885 χ^2/NDF: 45.6/21

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 104.042+/-181.194 χ^2/NDF:28.5/25

Out: -34.312+/-171.418 χ^2/NDF:64.2/30

All: 31.032+/-124.524 χ^2/NDF: 93.1/56



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 836.030+/-0.198 χ^2/NDF:936817.2/11

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 808.232+/-0.198 χ^2/NDF:726083.6/9

Left: 822.180+/-0.140 χ^2/NDF: 1672767.1/21

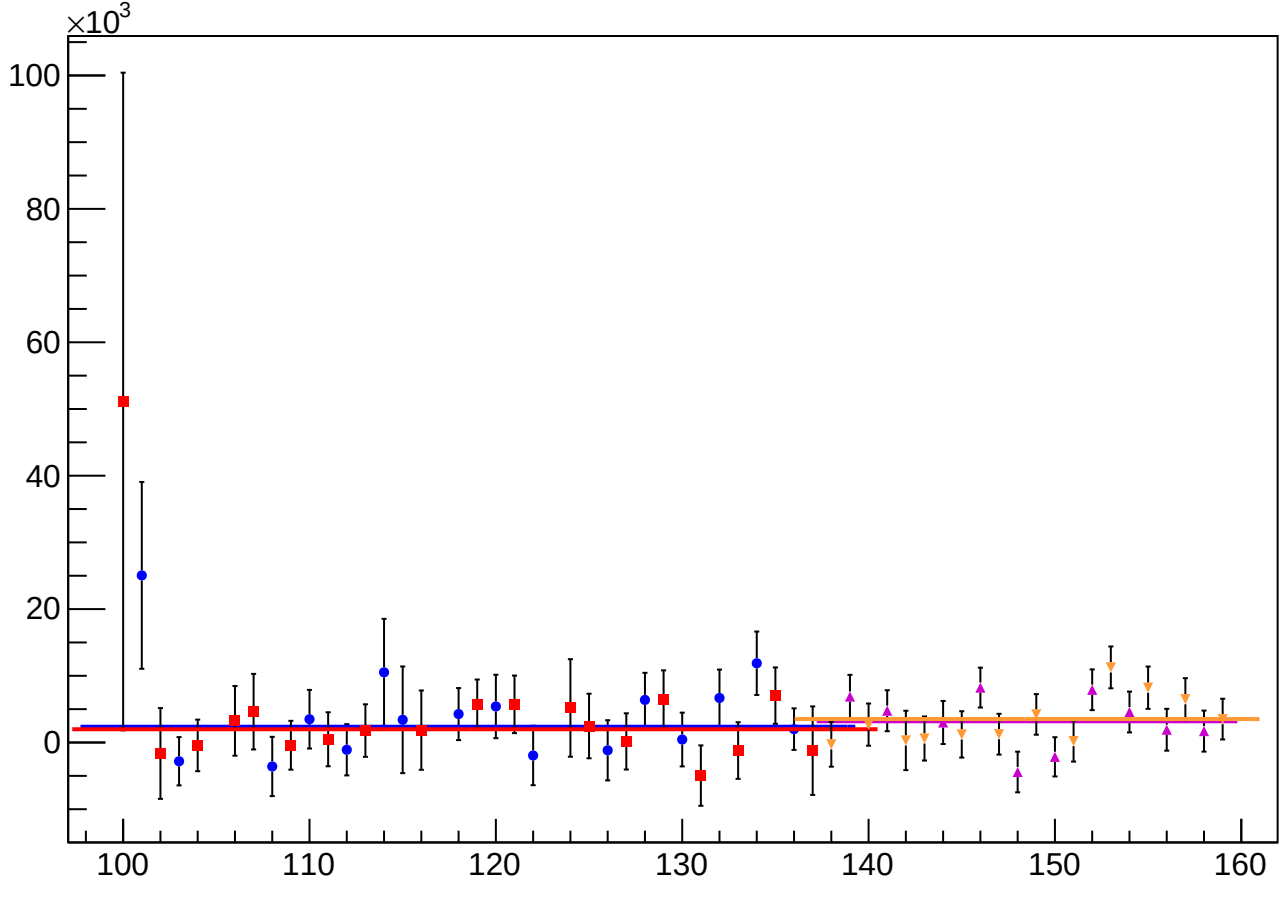
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 683.990+/-0.128 χ^2/NDF:3253329.5/25

Out: 662.309+/-0.121 χ^2/NDF:3808607.5/30

All: 672.549+/-0.088 χ^2/NDF: 7077049.1/56

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3517.004+/-935.185 χ^2/NDF:14.0/11

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 3185.487+/-974.324 χ^2/NDF:16.9/9

Left: 3358.038+/-674.688 χ^2/NDF: 31.0/21

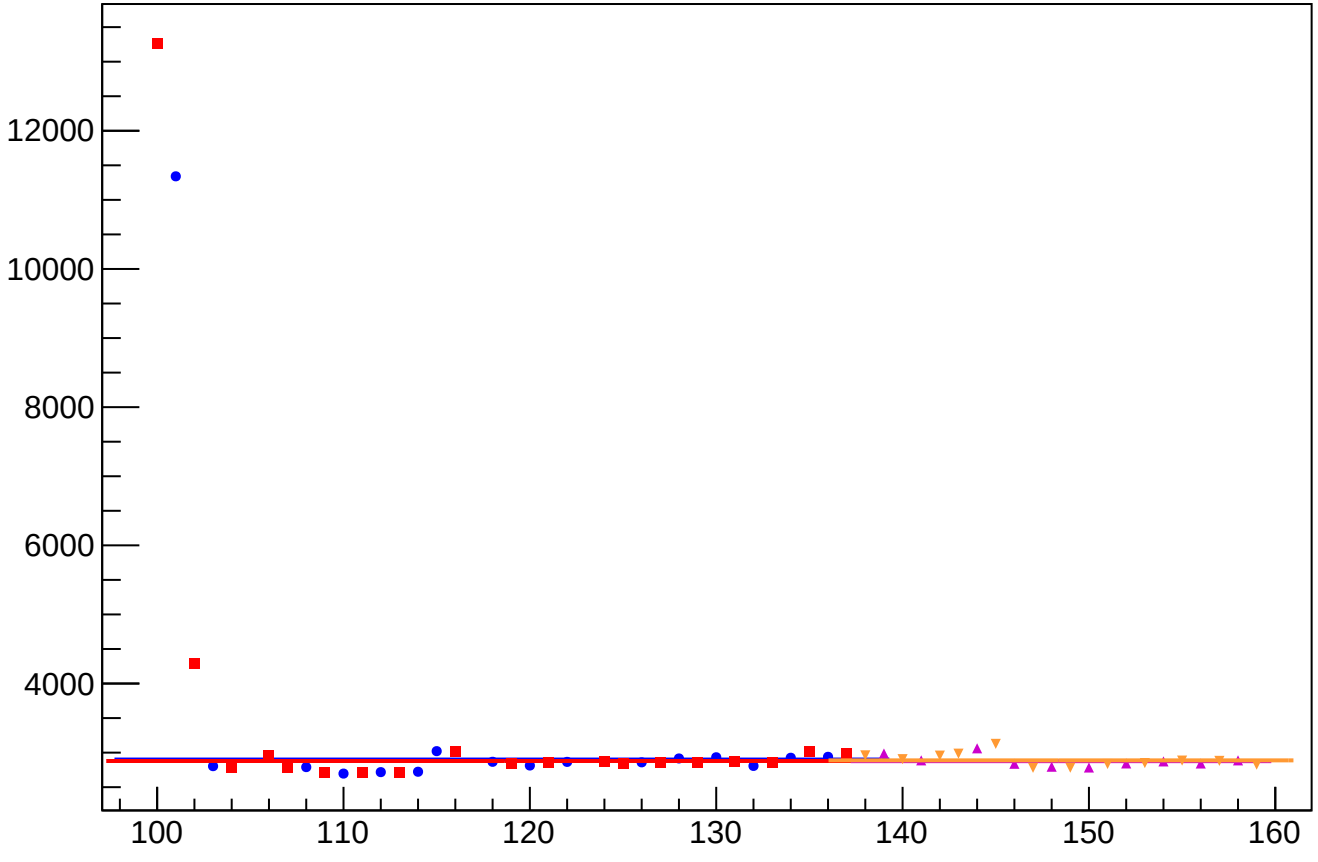
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2827.993+/-731.155 χ^2/NDF:34.1/25

Out: 2858.140+/-705.653 χ^2/NDF:25.5/30

All: 2843.601+/-507.748 χ^2/NDF: 59.6/56

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2887.973+/-0.661 χ^2/NDF:19312.0/11

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2876.602+/-0.689 χ^2/NDF:13142.2/9

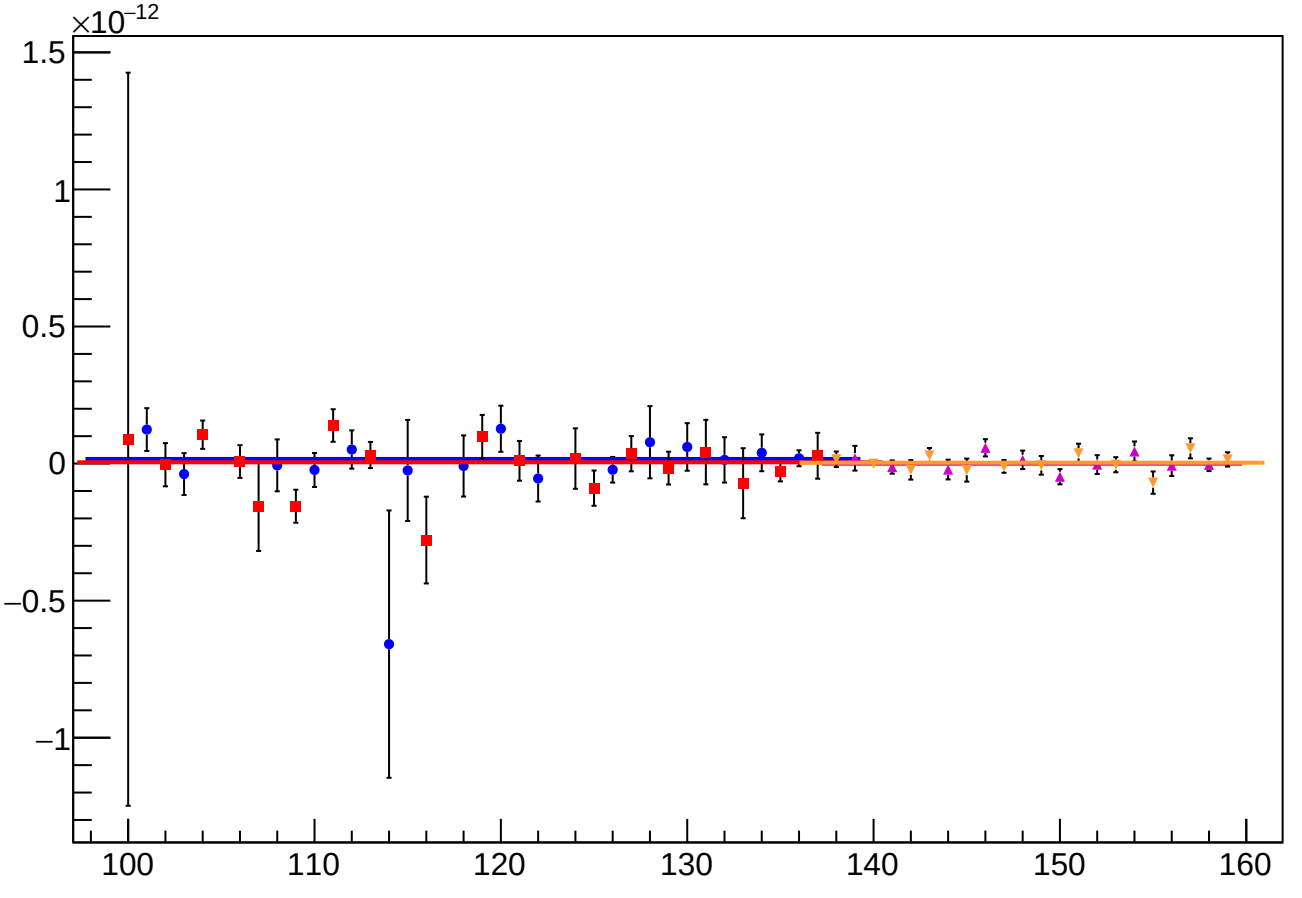
Left: 2882.520+/-0.477 χ^2/NDF: 32596.0/21

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2886.748+/-0.517 χ^2/NDF:755456.9/25

Out: 2884.090+/-0.499 χ^2/NDF:212674.5/30

All: 2885.372+/-0.359 χ^2/NDF: 968145.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

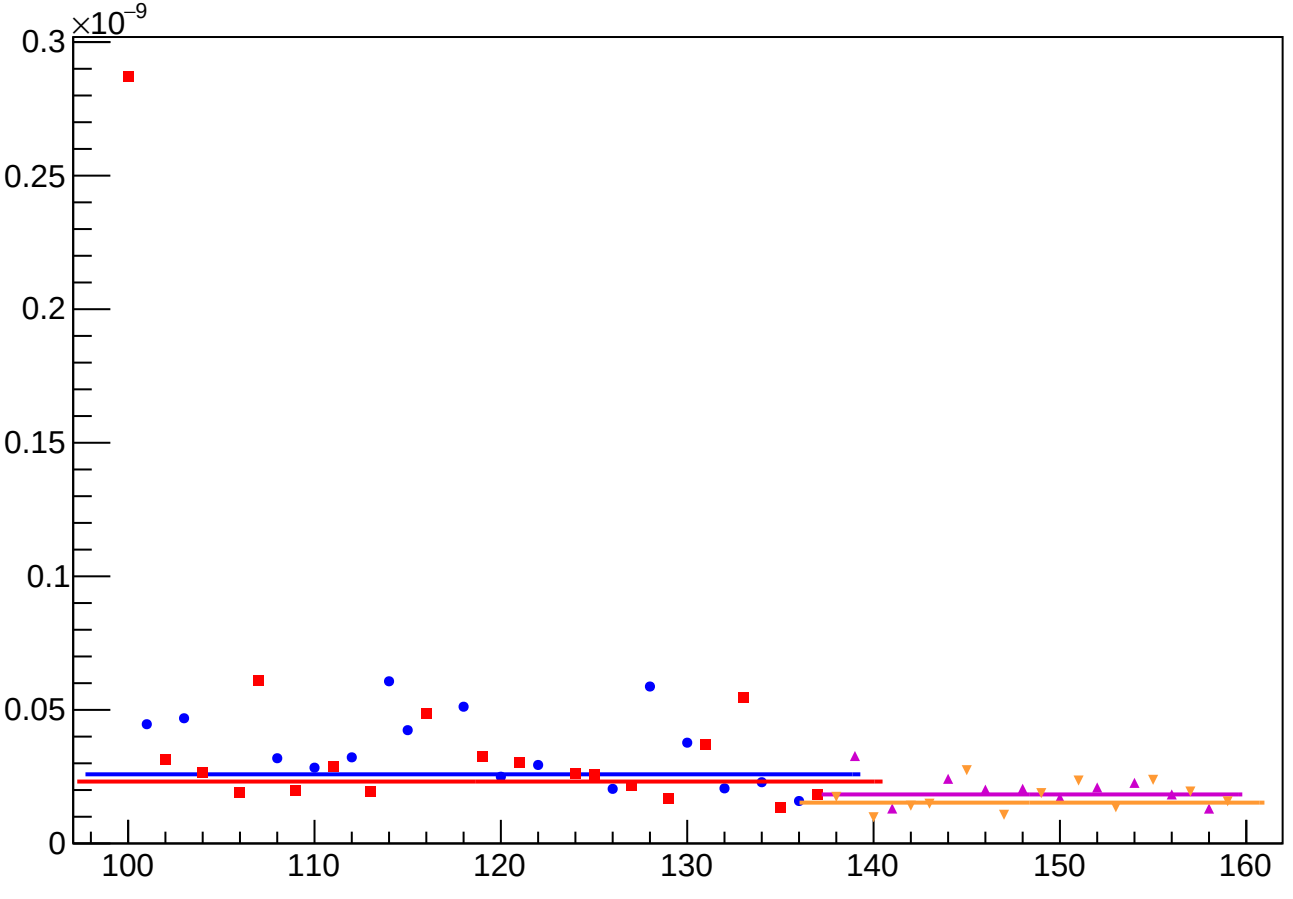
Left: 0.000+/-0.000 χ^2/NDF: 18.0/21

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:18.6/25

Out: 0.000+/-0.000 χ^2/NDF:34.7/30

All: 0.000+/-0.000 χ^2/NDF: 53.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:689579.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:517355.2/9

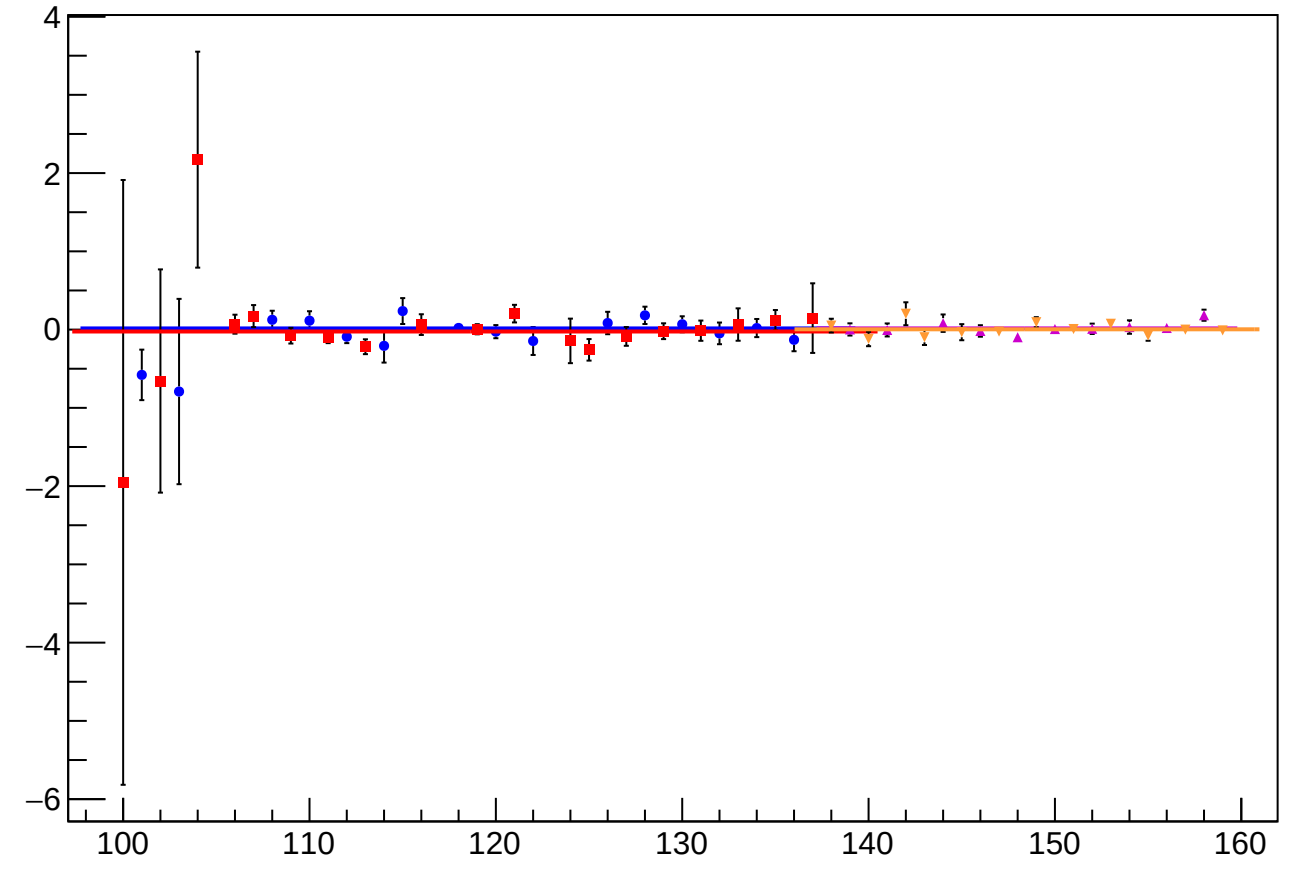
Left: 0.000+/-0.000 χ^2/NDF: 1321084.3/21

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1680661.2/25

Out: 0.000+/-0.000 χ^2/NDF:1774108.2/30

All: 0.000+/-0.000 χ^2/NDF: 3622580.5/56



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.020 χ^2/NDF:10.3/11

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

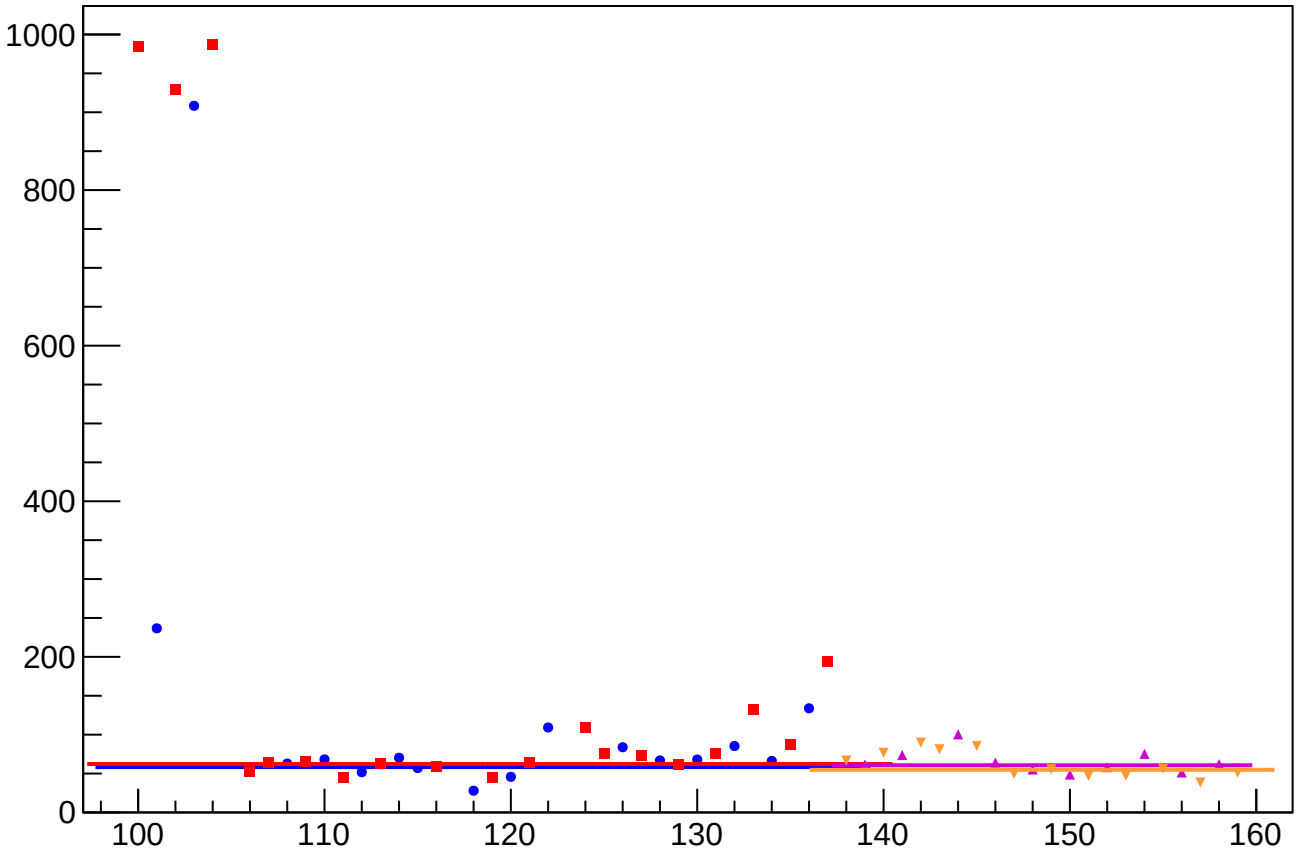
Left: 0.009+/-0.015 χ^2/NDF: 19.9/21

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.004+/-0.012 χ^2/NDF: 57.0/56



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.824+/-0.014 χ^2/NDF:832382.8/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

Left: 57.467+/-0.011 χ^2/NDF: 1428972.4/21

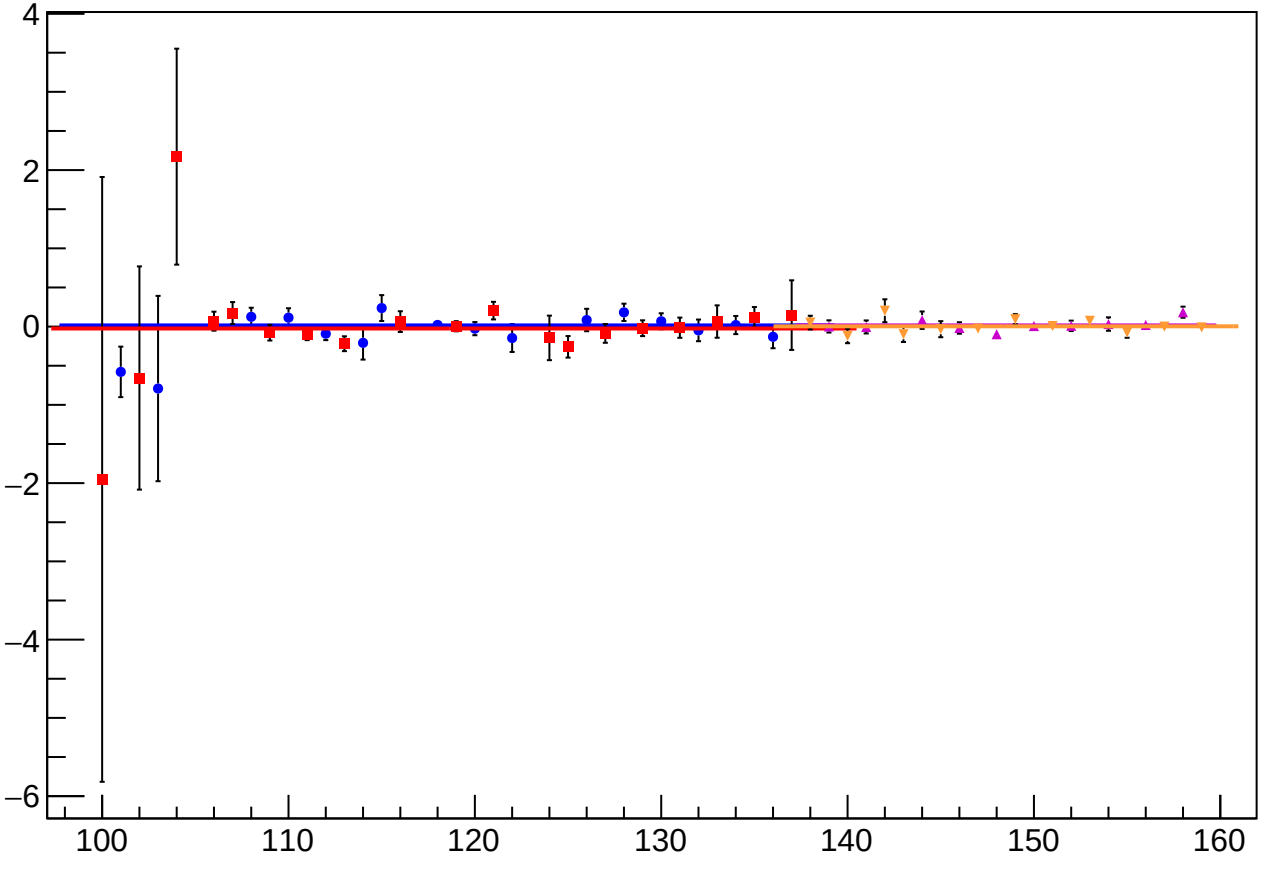
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.743+/-0.012 χ^2/NDF:3791557.4/25

Out: 57.395+/-0.012 χ^2/NDF:3550743.4/30

All: 58.500+/-0.008 χ^2/NDF: 7361348.8/56

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: 0.004+/-0.020 χ^2/NDF:10.3/11

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

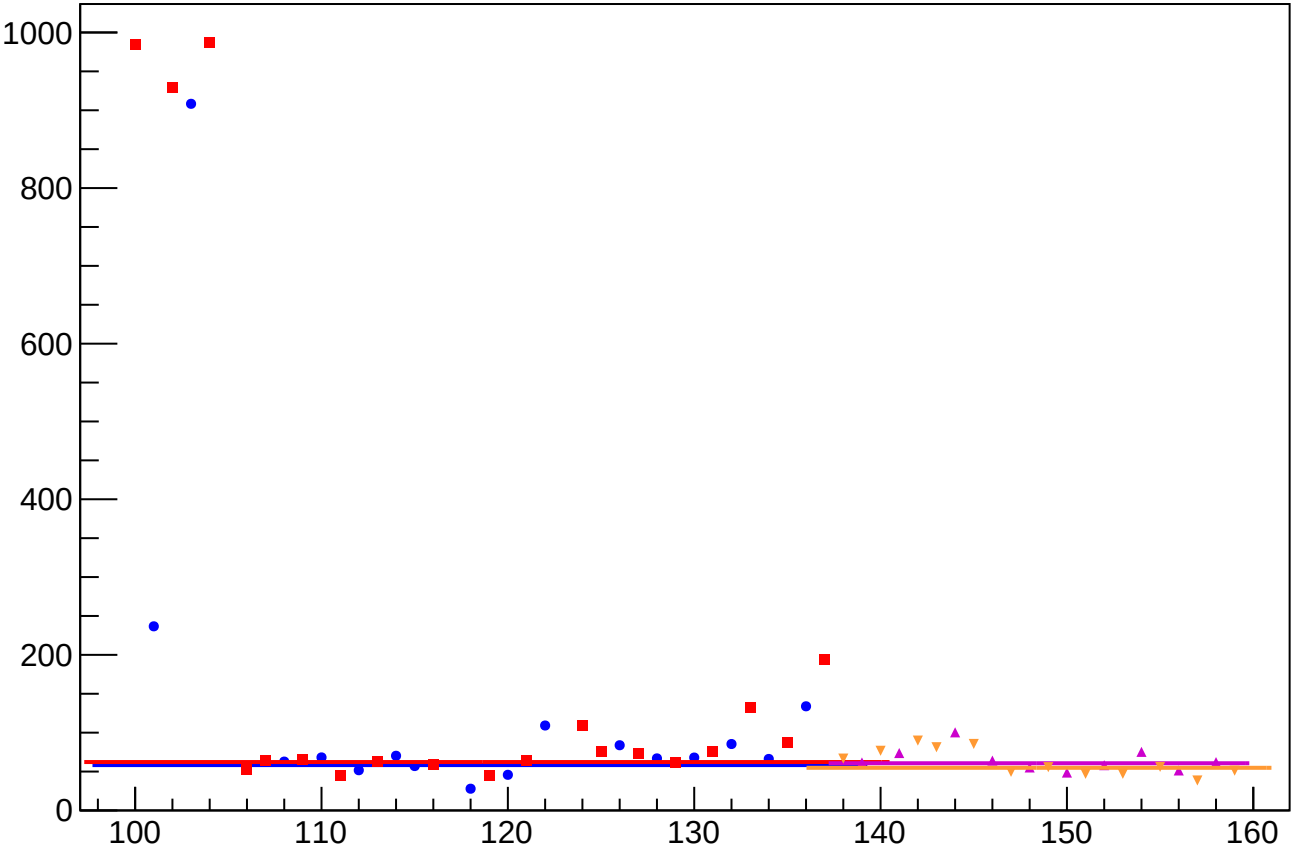
Left: 0.009+/-0.015 χ^2/NDF: 19.9/21

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.004+/-0.012 χ^2/NDF: 57.0/56



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.824+/-0.014 χ^2/NDF:832382.8/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

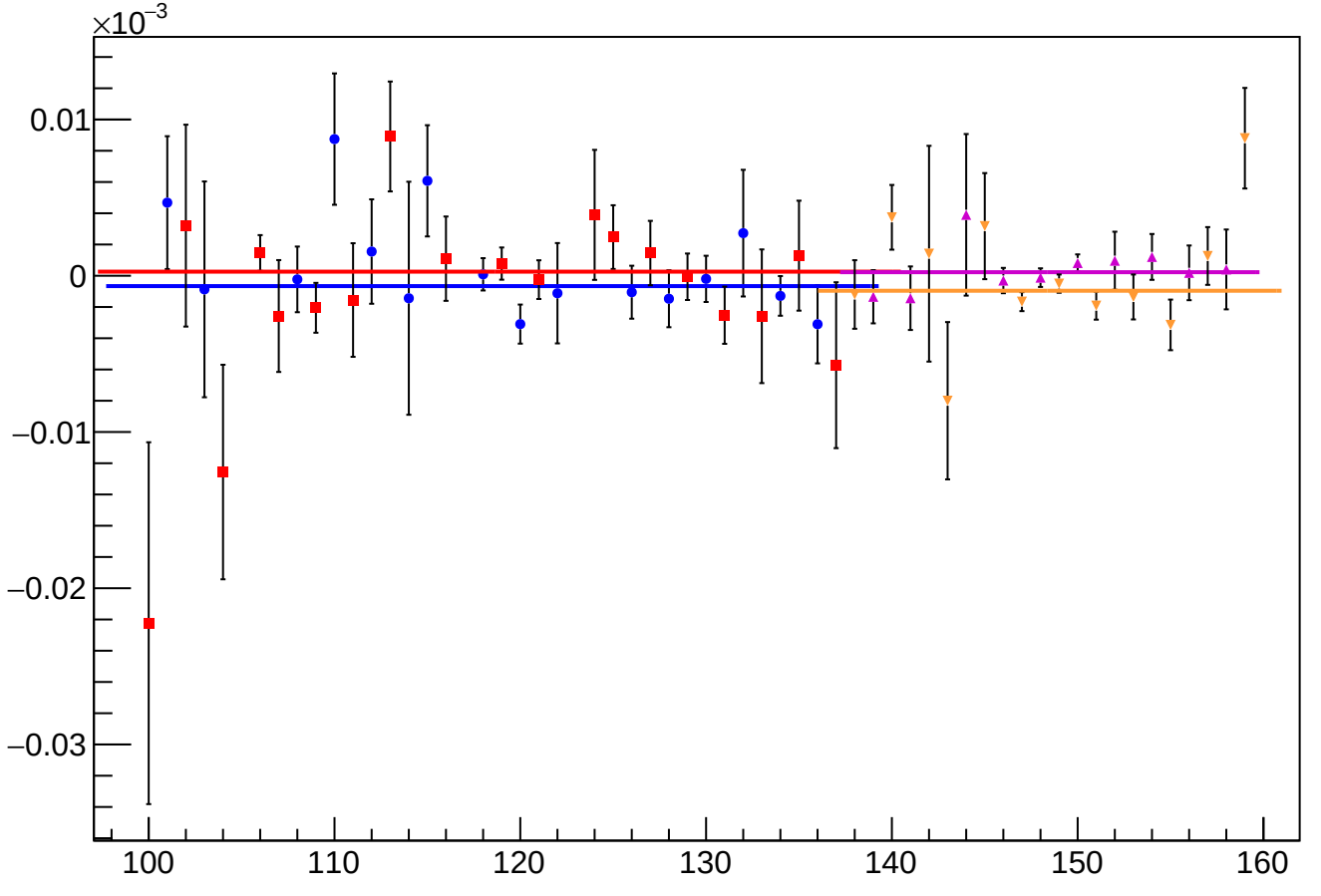
Left: 57.467+/-0.011 χ^2/NDF: 1428972.4/21

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.743+/-0.012 χ^2/NDF:3791557.4/25

Out: 57.395+/-0.012 χ^2/NDF:3550743.4/30

All: 58.500+/-0.008 χ^2/NDF: 7361348.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/9

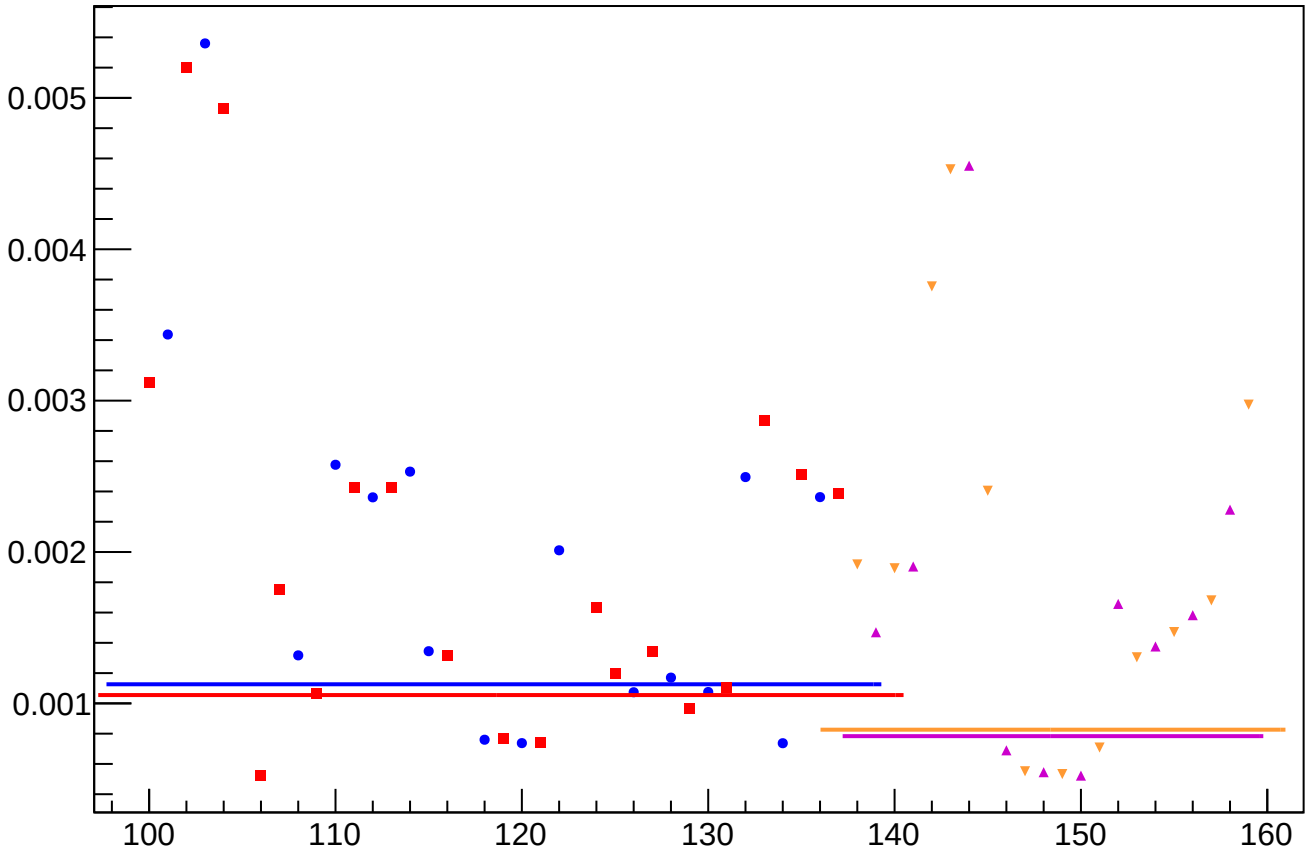
Left: -0.000+/-0.000 χ^2/NDF: 35.3/21

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:24.1/25

Out: -0.000+/-0.000 χ^2/NDF:53.4/30

All: -0.000+/-0.000 χ^2/NDF: 79.1/56



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5704494.5/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:4657993.3/9

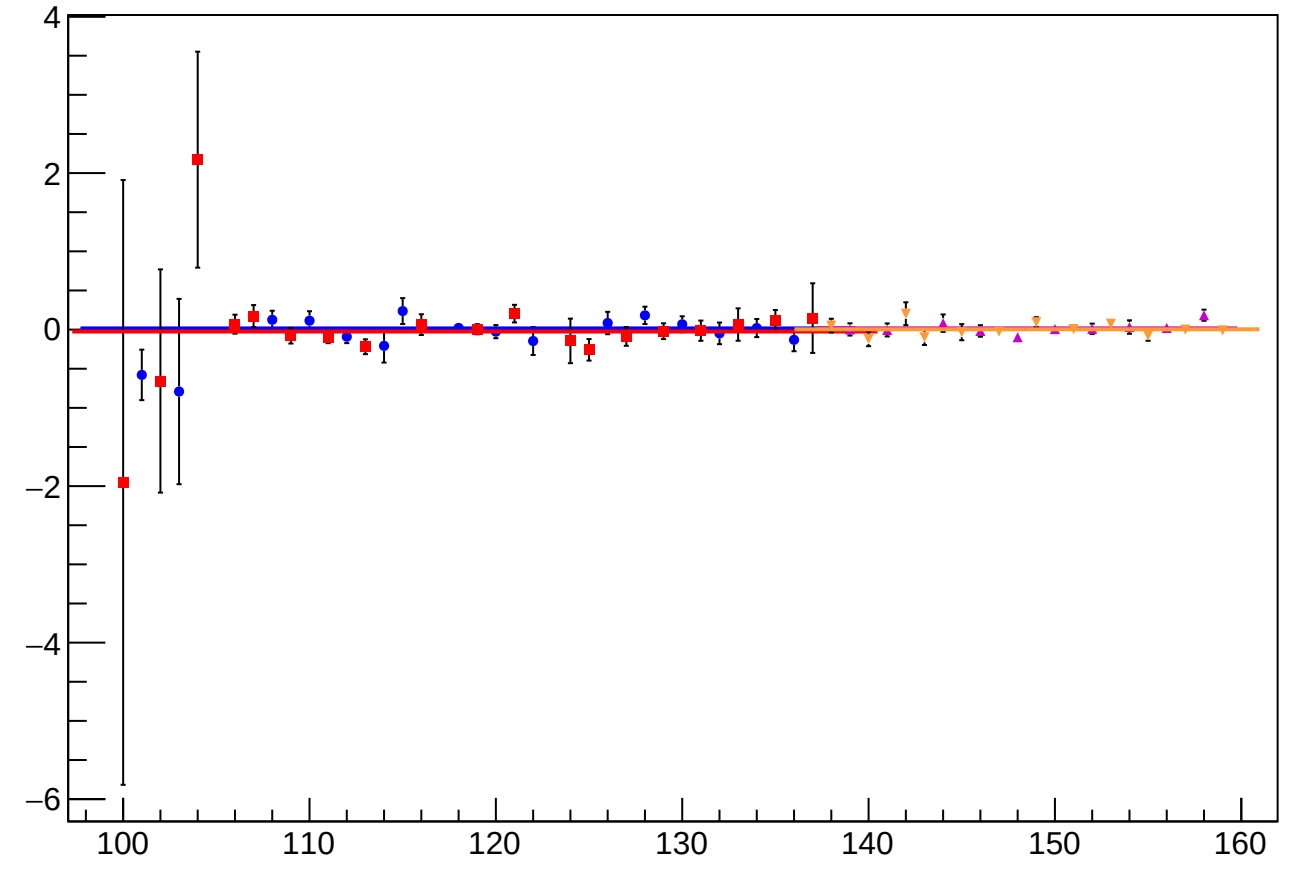
Left: 0.001+/-0.000 χ^2/NDF: 10379075.3/21

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:8790433.5/25

Out: 0.001+/-0.000 χ^2/NDF:9869701.7/30

All: 0.001+/-0.000 χ^2/NDF: 18664175.2/56



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.020 χ^2/NDF:10.3/11

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

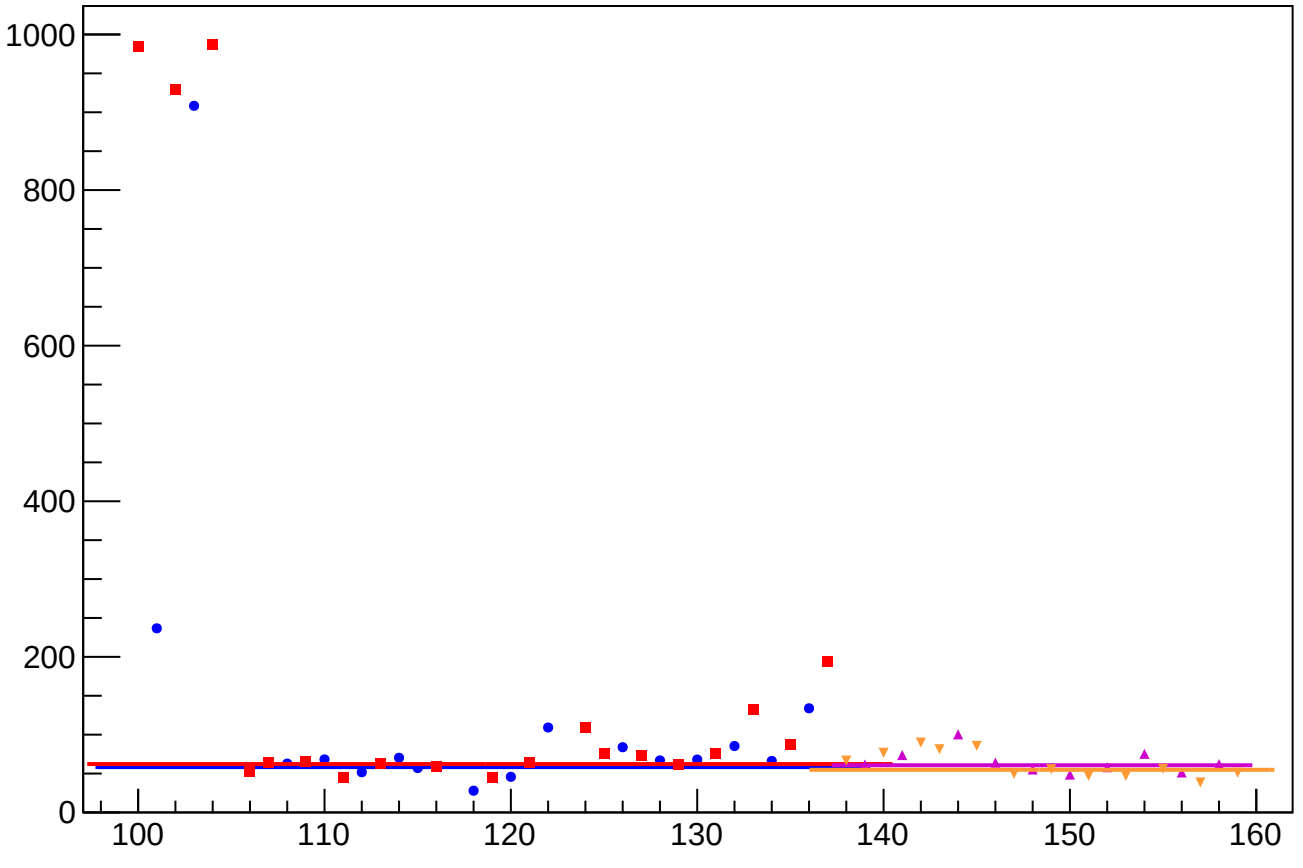
Left: 0.009+/-0.015 χ^2/NDF: 19.9/21

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.004+/-0.012 χ^2/NDF: 57.0/56



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.824+/-0.014 χ^2/NDF:832441.1/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

Left: 57.466+/-0.011 χ^2/NDF: 1429074.1/21

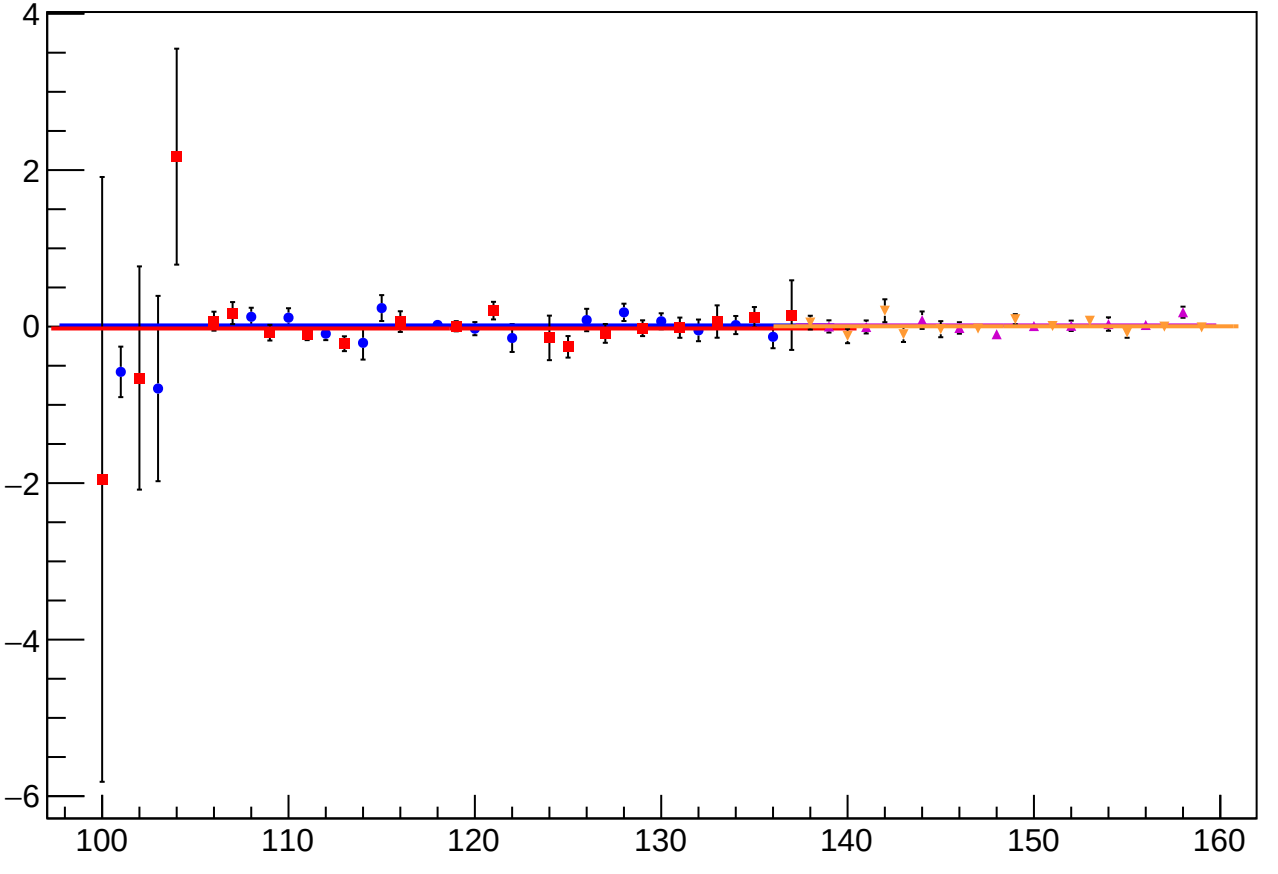
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.743+/-0.012 χ^2/NDF:3791663.5/25

Out: 57.394+/-0.012 χ^2/NDF:3550811.9/30

All: 58.499+/-0.008 χ^2/NDF: 7361529.0/56

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: 0.004+/-0.020 χ^2/NDF:10.3/11

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

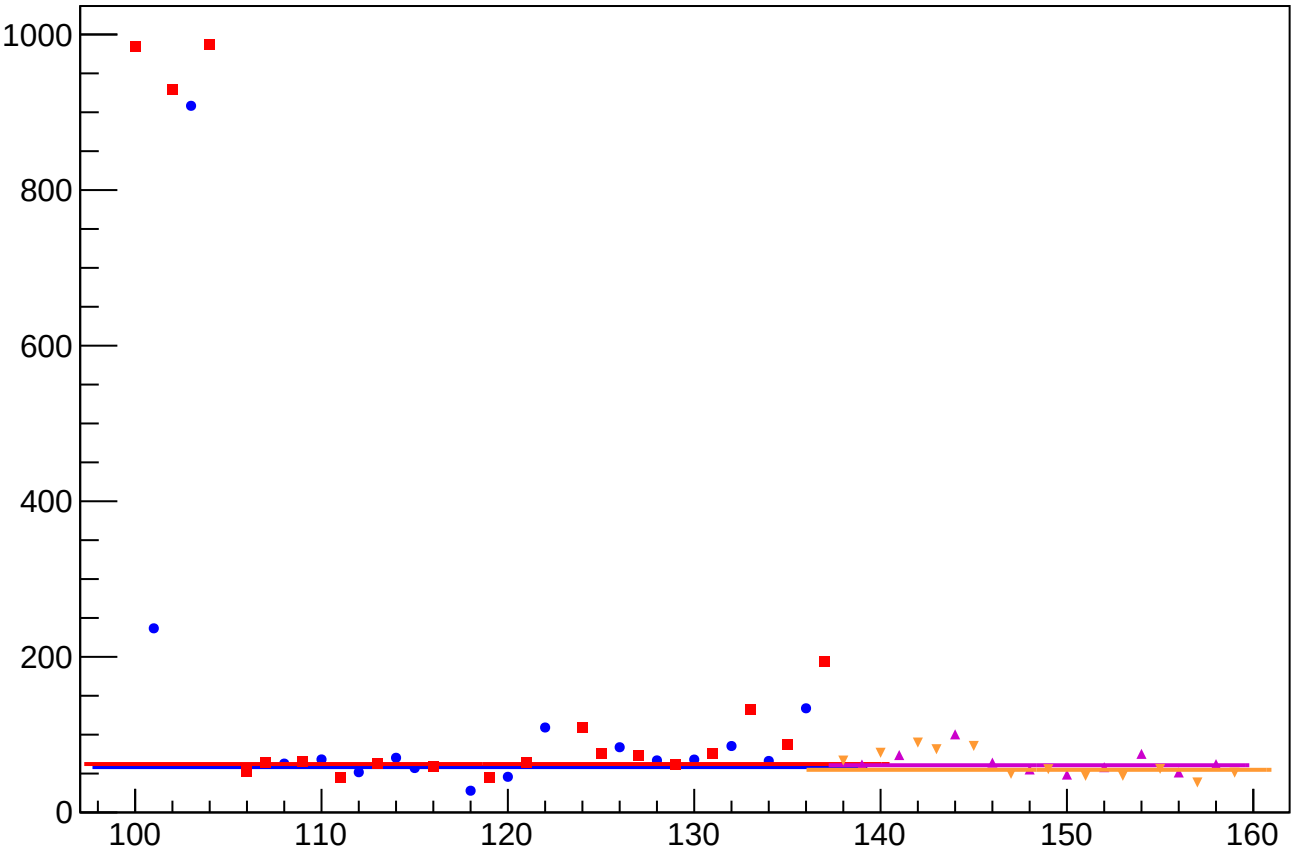
Left: 0.009+/-0.015 χ^2/NDF: 19.9/21

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.004+/-0.012 χ^2/NDF: 57.0/56



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.824+/-0.014 χ^2/NDF:832441.1/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

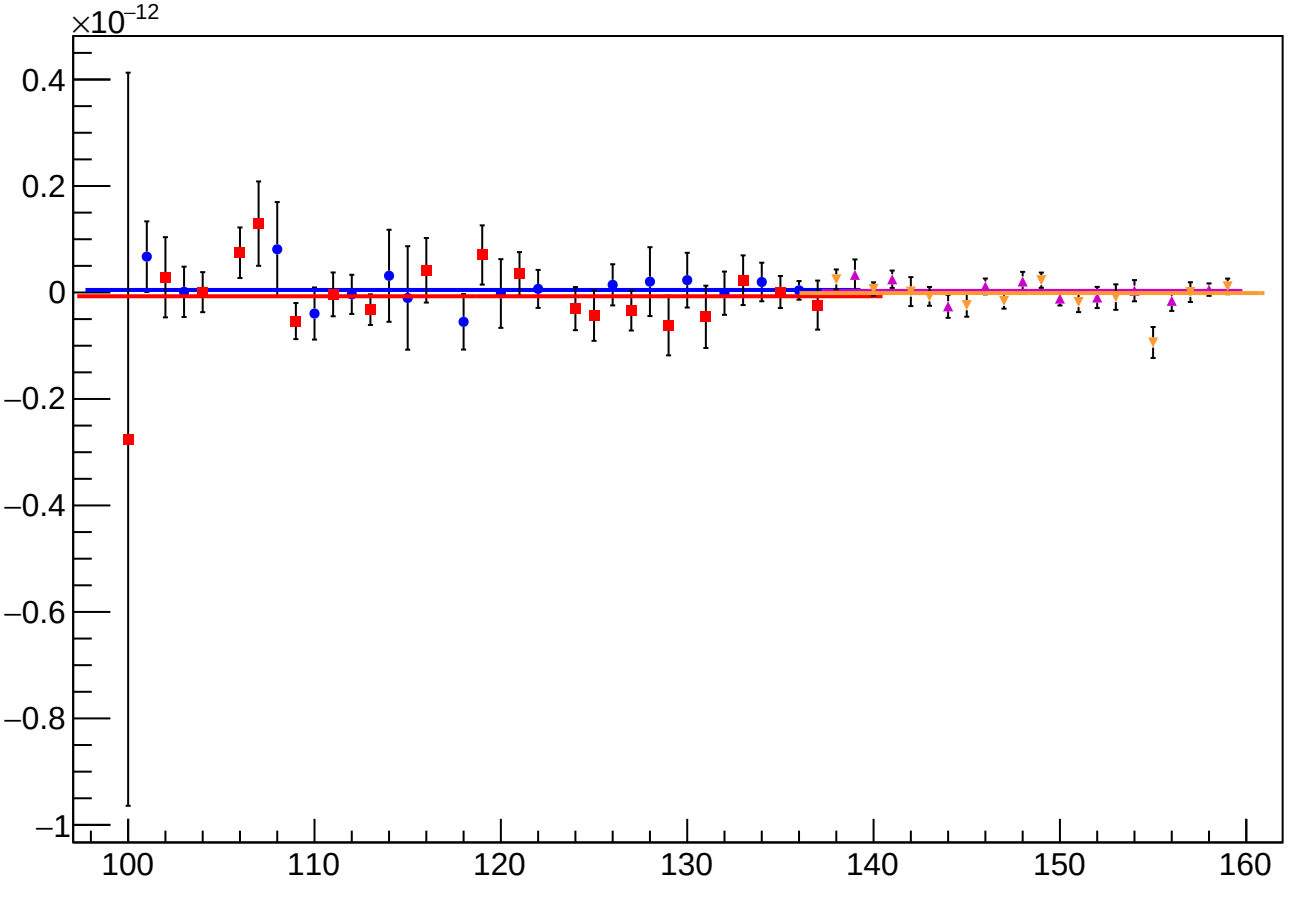
Left: 57.466+/-0.011 χ^2/NDF: 1429074.1/21

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.743+/-0.012 χ^2/NDF:3791663.5/25

Out: 57.394+/-0.012 χ^2/NDF:3550811.9/30

All: 58.499+/-0.008 χ^2/NDF: 7361529.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/9

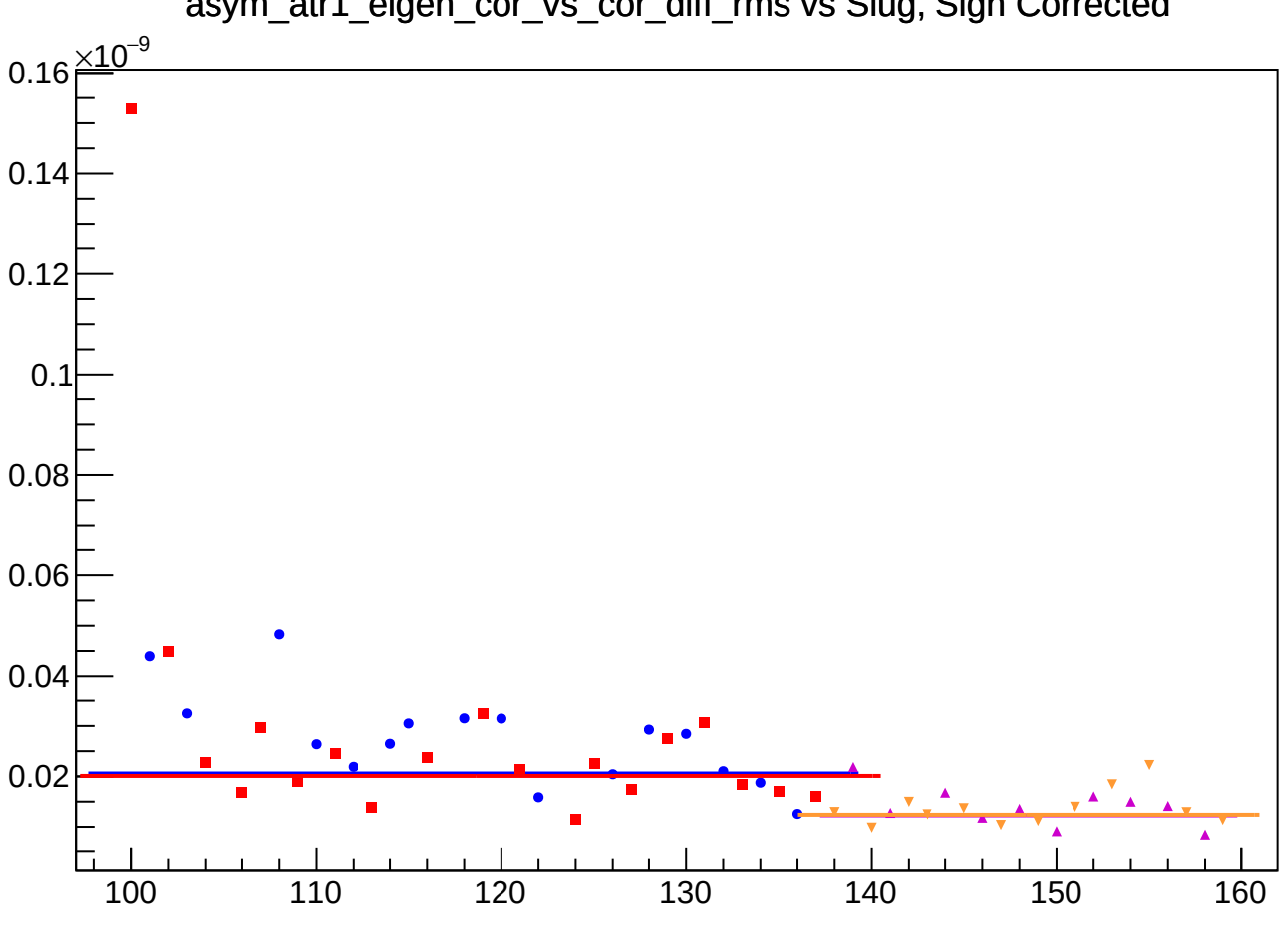
Left: 0.000+/-0.000 χ^2/NDF: 28.0/21

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:13.0/25

Out: -0.000+/-0.000 χ^2/NDF:35.6/30

All: 0.000+/-0.000 χ^2/NDF: 49.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:543830.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:779397.1/9

Left: 0.000+/-0.000 χ^2/NDF: 1323775.2/21

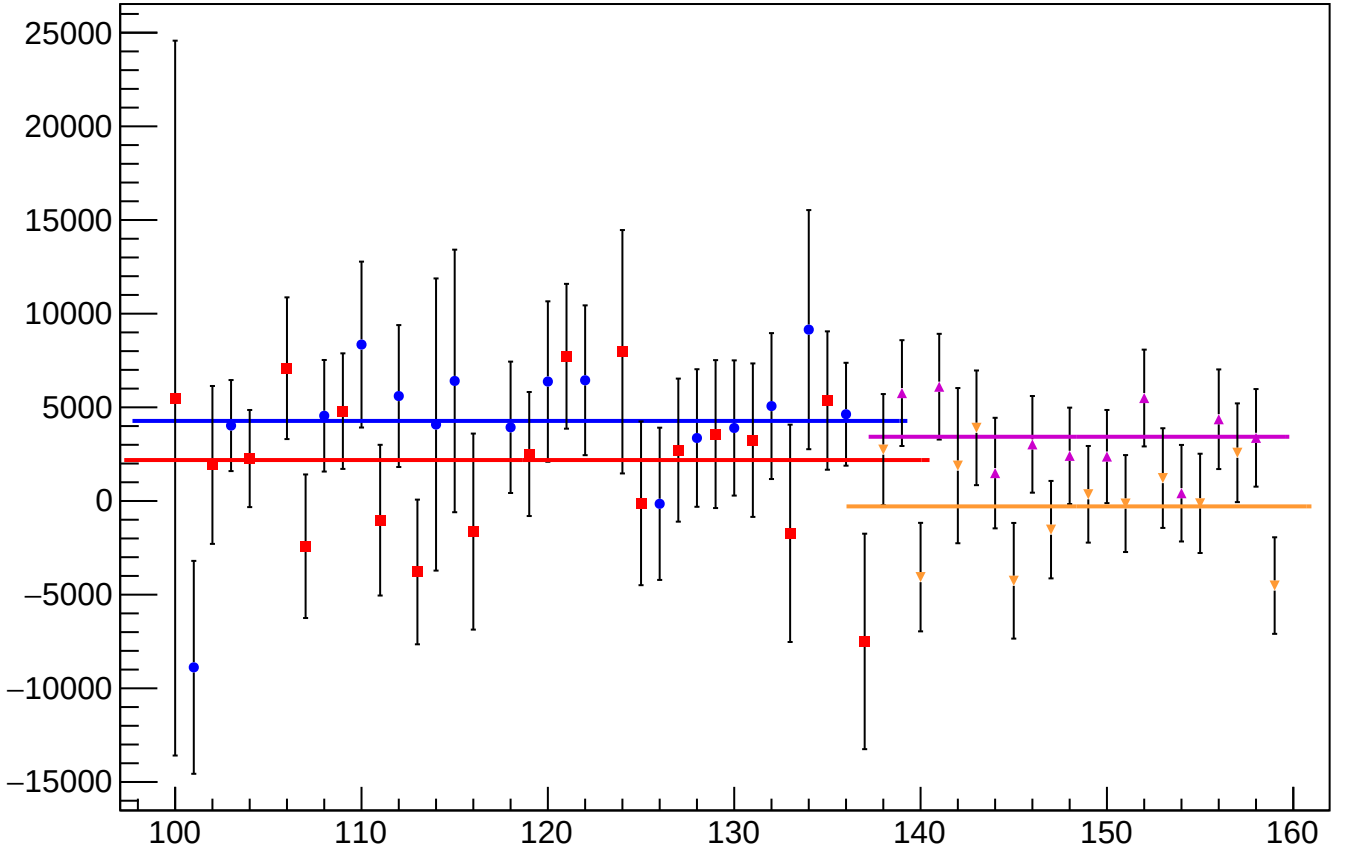
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3136536.3/25

Out: 0.000+/-0.000 χ^2/NDF:2282194.3/30

All: 0.000+/-0.000 χ^2/NDF: 5418962.2/56

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -287.819+/-808.926 χ^2/NDF:11.0/11

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3428.835+/-839.819 χ^2/NDF:4.5/9

Left: 1500.893+/-582.613 χ^2/NDF: 25.7/21

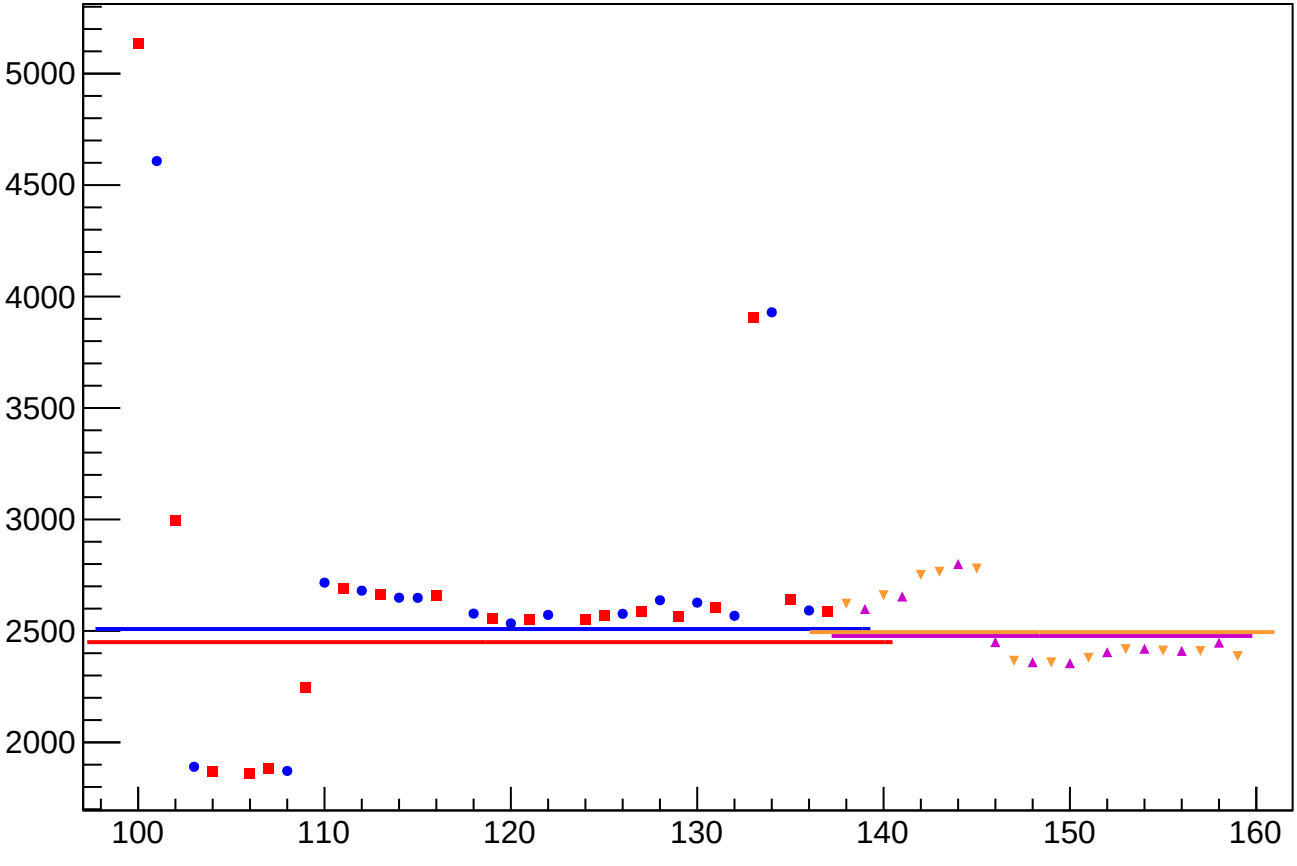
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3798.902+/-629.775 χ^2/NDF:13.8/25

Out: 788.152+/-608.097 χ^2/NDF:29.9/30

All: 2240.819+/-437.452 χ^2/NDF: 55.6/56

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2494.654+/-0.572 χ^2/NDF:74195.1/11

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

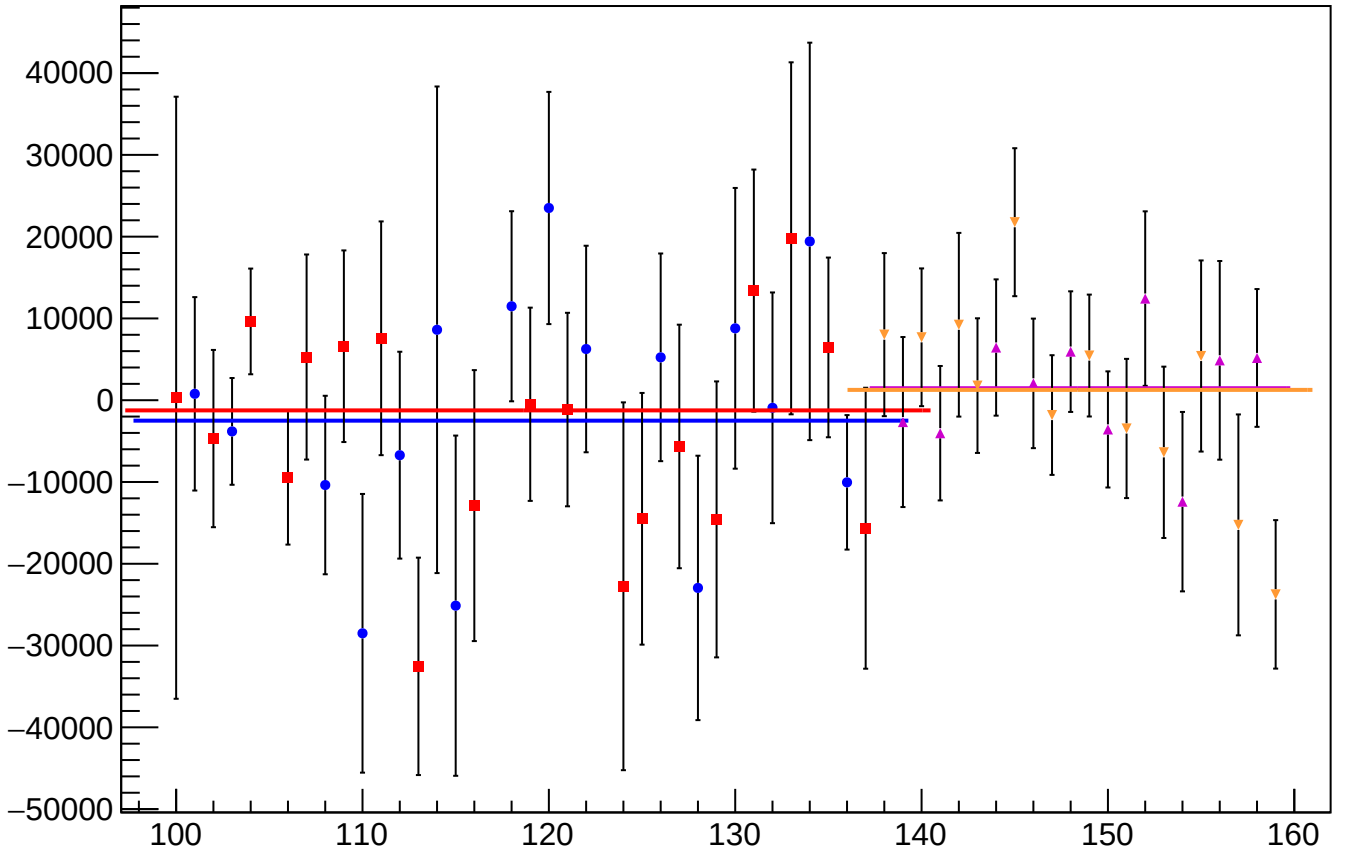
Left: 2486.194+/-0.412 χ^2/NDF: 123450.4/21

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2490.814+/-0.445 χ^2/NDF:661613.4/25

Out: 2475.070+/-0.430 χ^2/NDF:513791.5/30

All: 2482.666+/-0.309 χ^2/NDF: 1176051.8/56



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1261.772+/-2639.007 χ^2/NDF:17.2/11

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1467.000+/-2767.416 χ^2/NDF:4.8/9

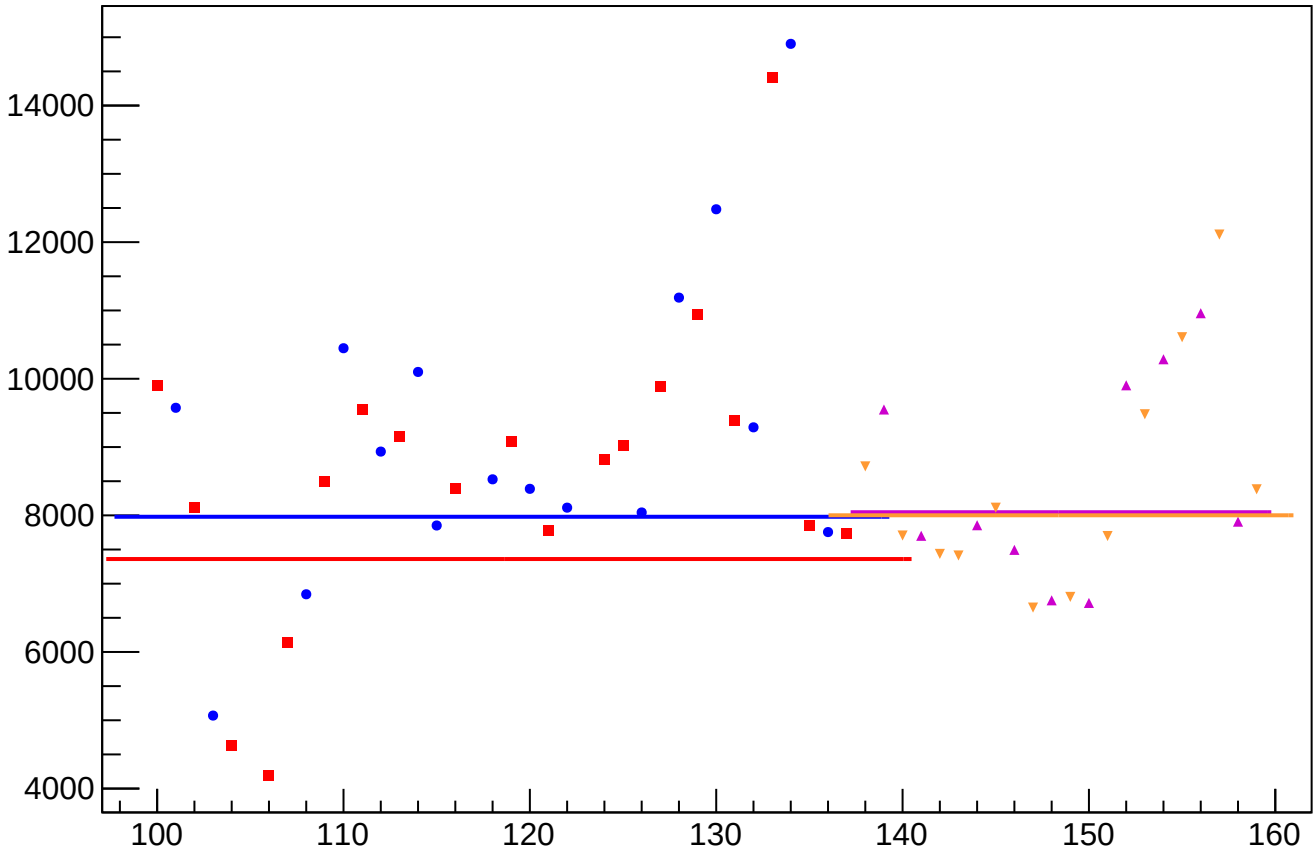
Left: 1359.515+/-1909.842 χ^2/NDF: 22.0/21

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -308.127+/-2057.205 χ^2/NDF:19.4/25

Out: 106.098+/-1937.218 χ^2/NDF:34.2/30

All: -88.583+/-1410.331 χ^2/NDF: 53.7/56



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8001.069+/-1.866 χ^2/NDF:478695.7/11

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8045.836+/-1.957 χ^2/NDF:446836.2/9

Left: 8022.390+/-1.350 χ^2/NDF: 925806.0/21

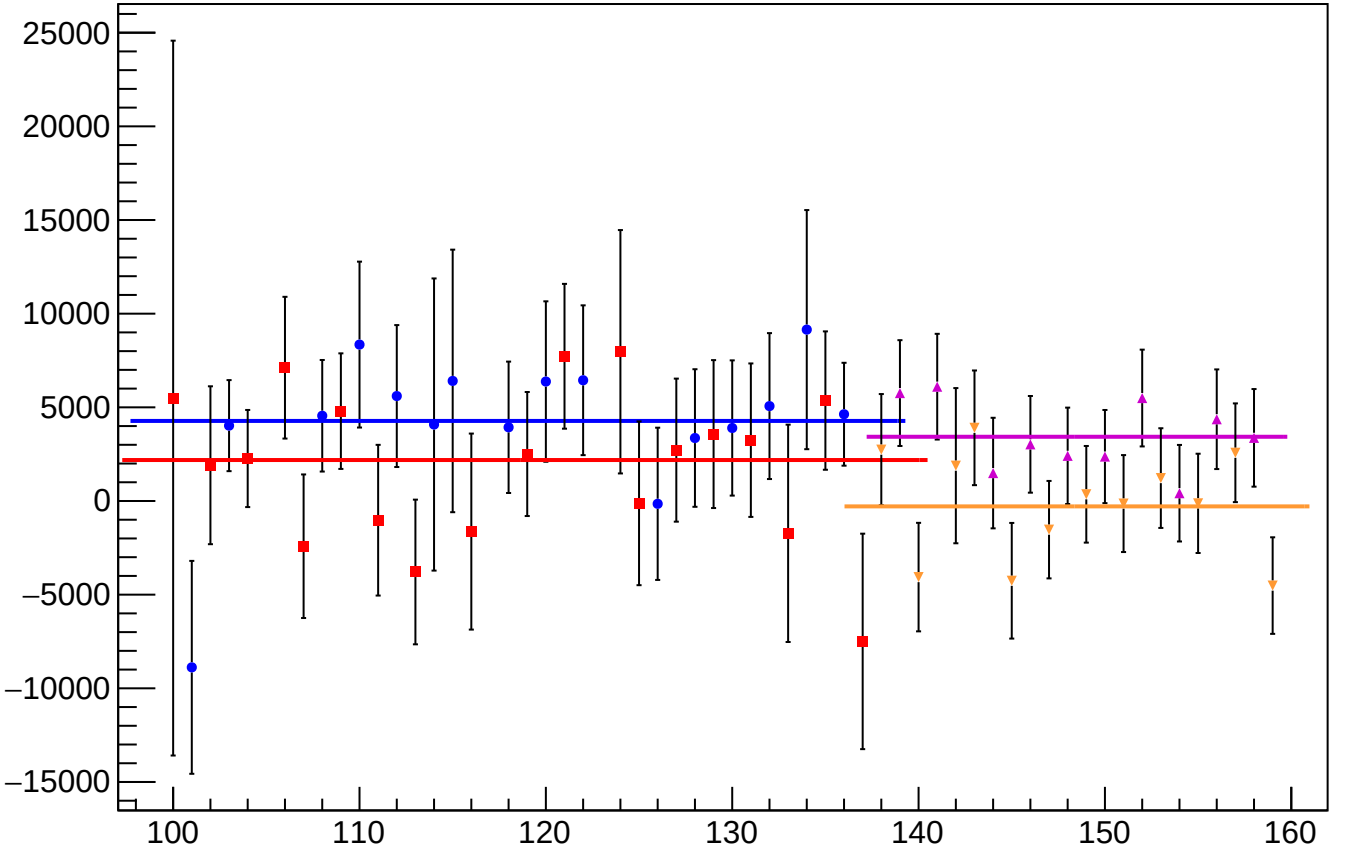
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8016.152+/-1.455 χ^2/NDF:1370434.4/25

Out: 7705.788+/-1.370 χ^2/NDF:1819002.6/30

All: 7851.655+/-0.997 χ^2/NDF: 3213563.8/56

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -288.091+/-808.926 χ^2/NDF:11.0/11

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3428.940+/-839.819 χ^2/NDF:4.5/9

Left: 1500.802+/-582.613 χ^2/NDF: 25.7/21

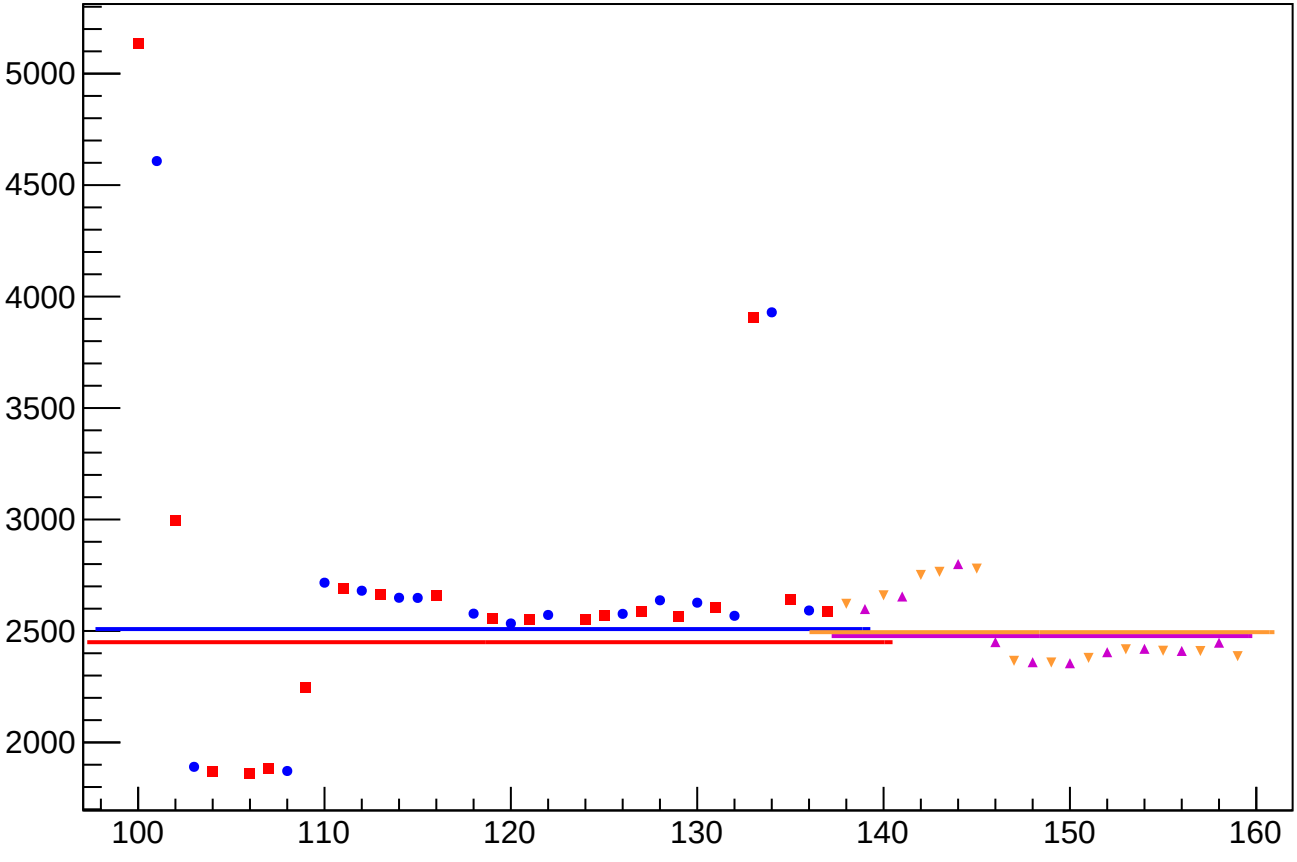
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3798.746+/-629.775 χ^2/NDF:13.8/25

Out: 788.259+/-608.099 χ^2/NDF:29.9/30

All: 2240.804+/-437.453 χ^2/NDF: 55.6/56

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2494.654+/-0.572 χ^2/NDF:74195.1/11

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

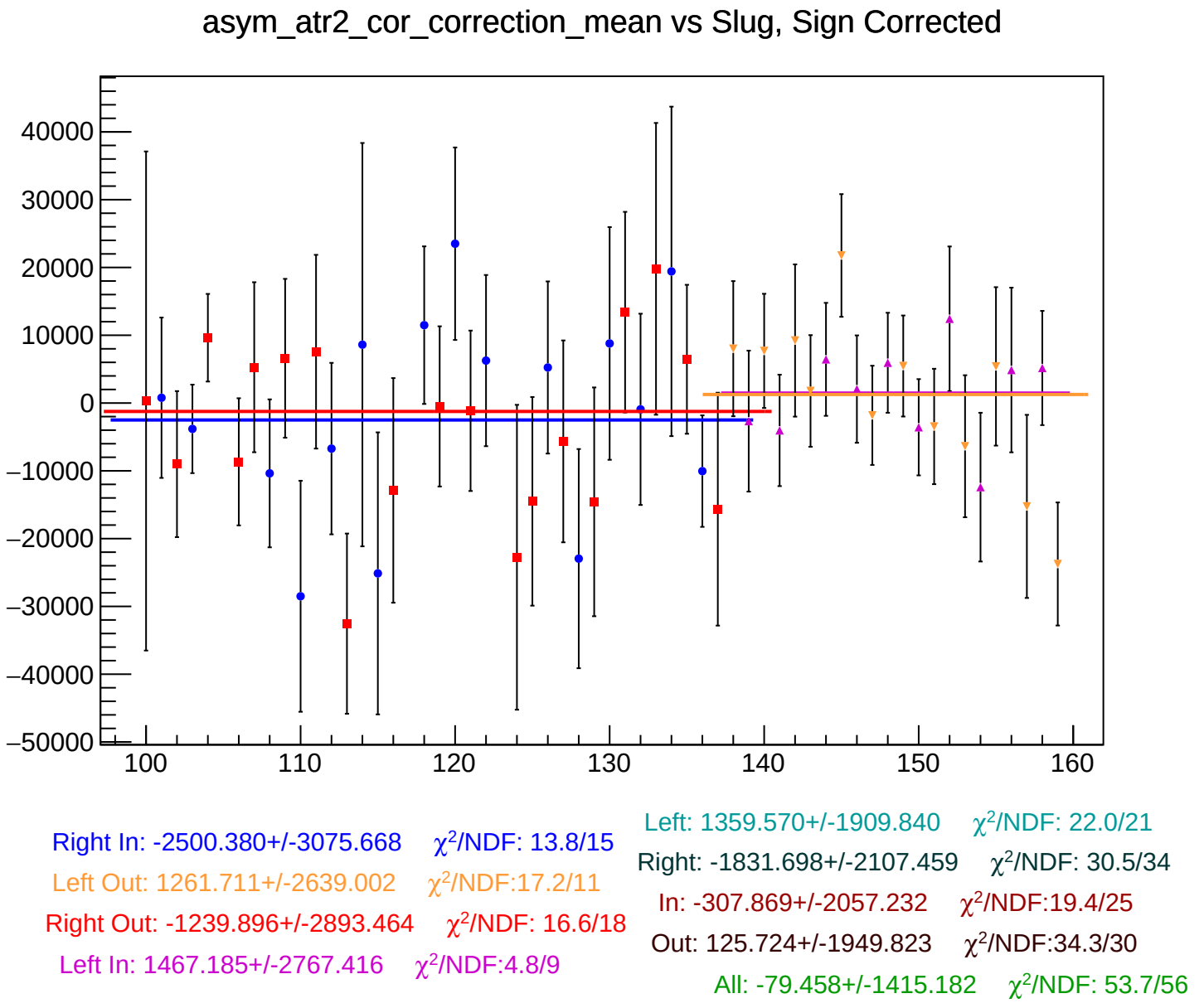
Left: 2486.194+/-0.412 χ^2/NDF: 123450.4/21

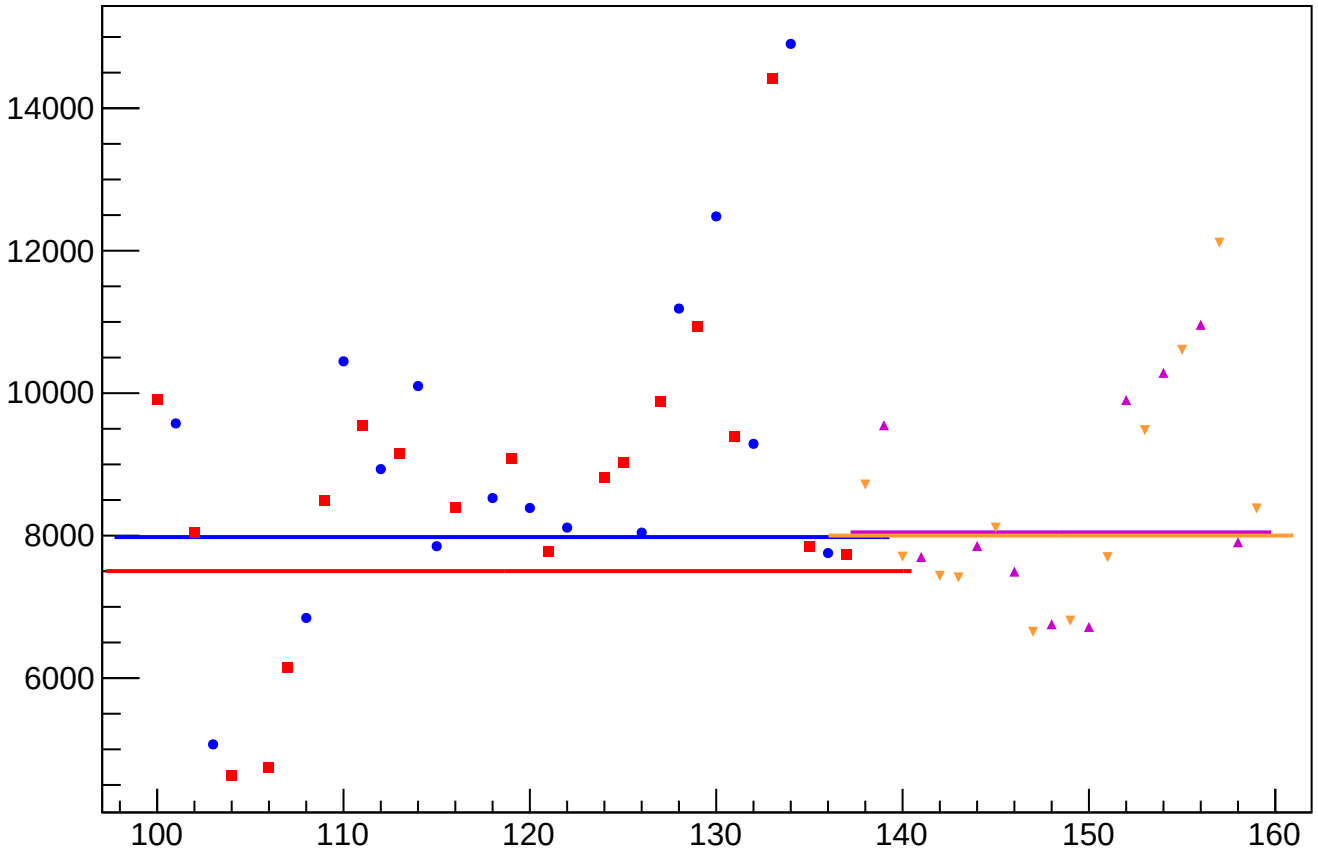
Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2490.815+/-0.445 χ^2/NDF:661611.2/25

Out: 2475.081+/-0.430 χ^2/NDF:513734.2/30

All: 2482.672+/-0.309 χ^2/NDF: 1175991.5/56


asym_atr2_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -2500.380+/-3075.668 χ²/NDF: 13.8/15
Left Out: 1261.711+/-2639.002 χ²/NDF:17.2/11
Right Out: -1239.896+/-2893.464 χ²/NDF: 16.6/18
Left In: 1467.185+/-2767.416 χ²/NDF:4.8/9
Left: 1359.570+/-1909.840 χ²/NDF: 22.0/21
Right: -1831.698+/-2107.459 χ²/NDF: 30.5/34
In: -307.869+/-2057.232 χ²/NDF:19.4/25
Out: 125.724+/-1949.823 χ²/NDF:34.3/30
All: -79.458+/-1415.182 χ²/NDF: 53.7/56



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8001.054+/-1.866 χ^2/NDF:478700.8/11

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

Left: 8022.382+/-1.350 χ^2/NDF: 925813.0/21

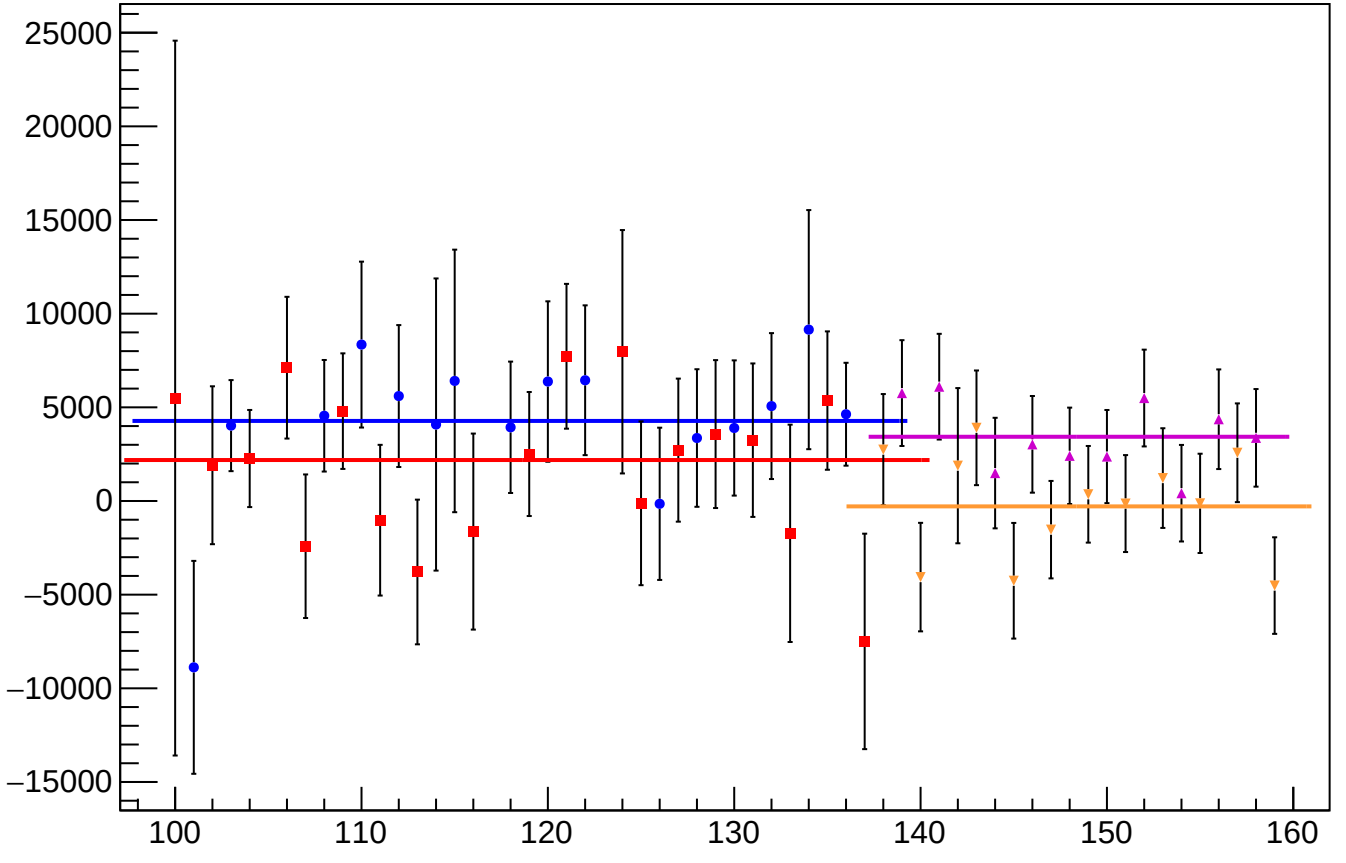
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8016.297+/-1.455 χ^2/NDF:1370132.5/25

Out: 7774.743+/-1.379 χ^2/NDF:1646614.1/30

All: 7889.050+/-1.001 χ^2/NDF: 3031271.9/56

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -288.091+/-808.926 χ^2/NDF:11.0/11

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3428.940+/-839.819 χ^2/NDF:4.5/9

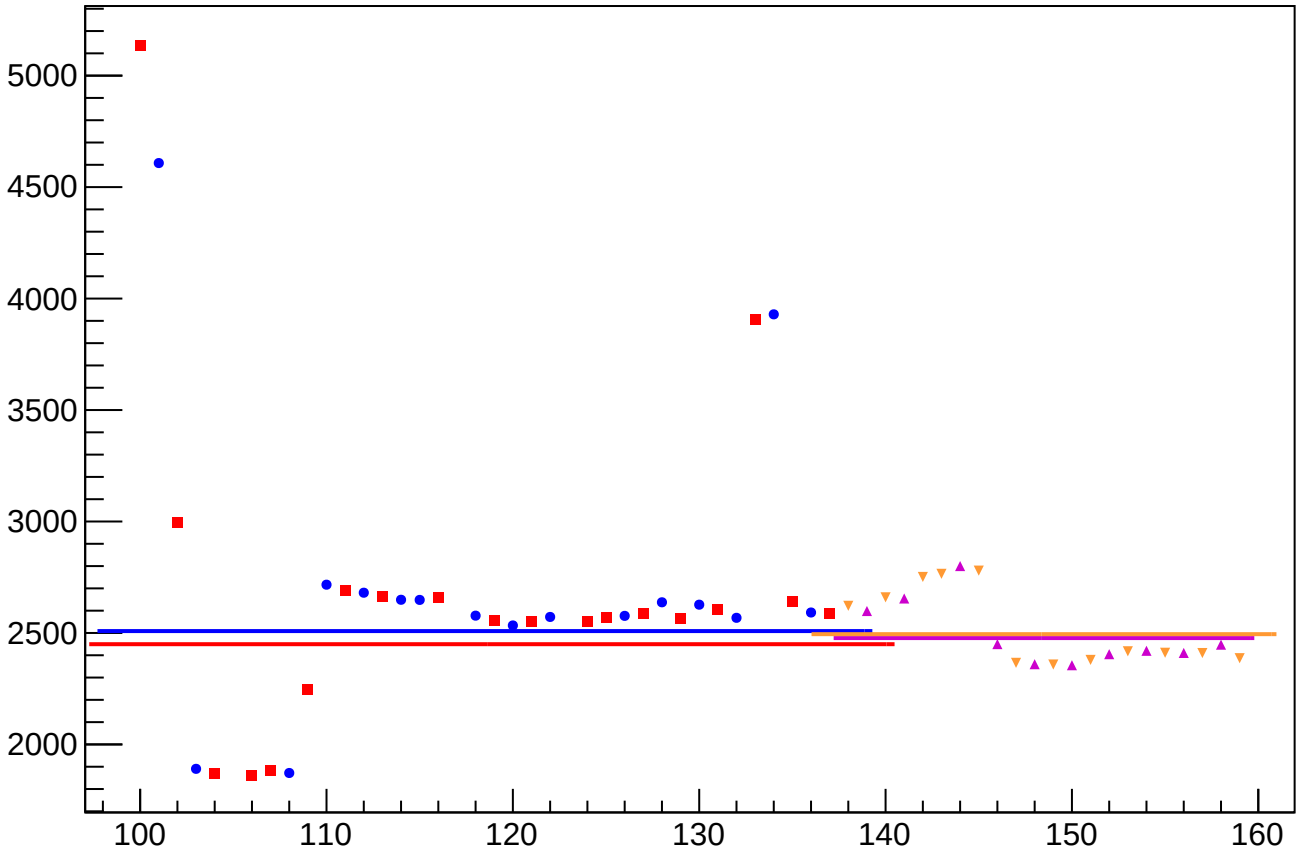
Left: 1500.802+/-582.613 χ^2/NDF: 25.7/21

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3798.746+/-629.775 χ^2/NDF:13.8/25

Out: 788.259+/-608.099 χ^2/NDF:29.9/30

All: 2240.804+/-437.453 χ^2/NDF: 55.6/56



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2494.654+/-0.572 χ^2/NDF:74195.1/11

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

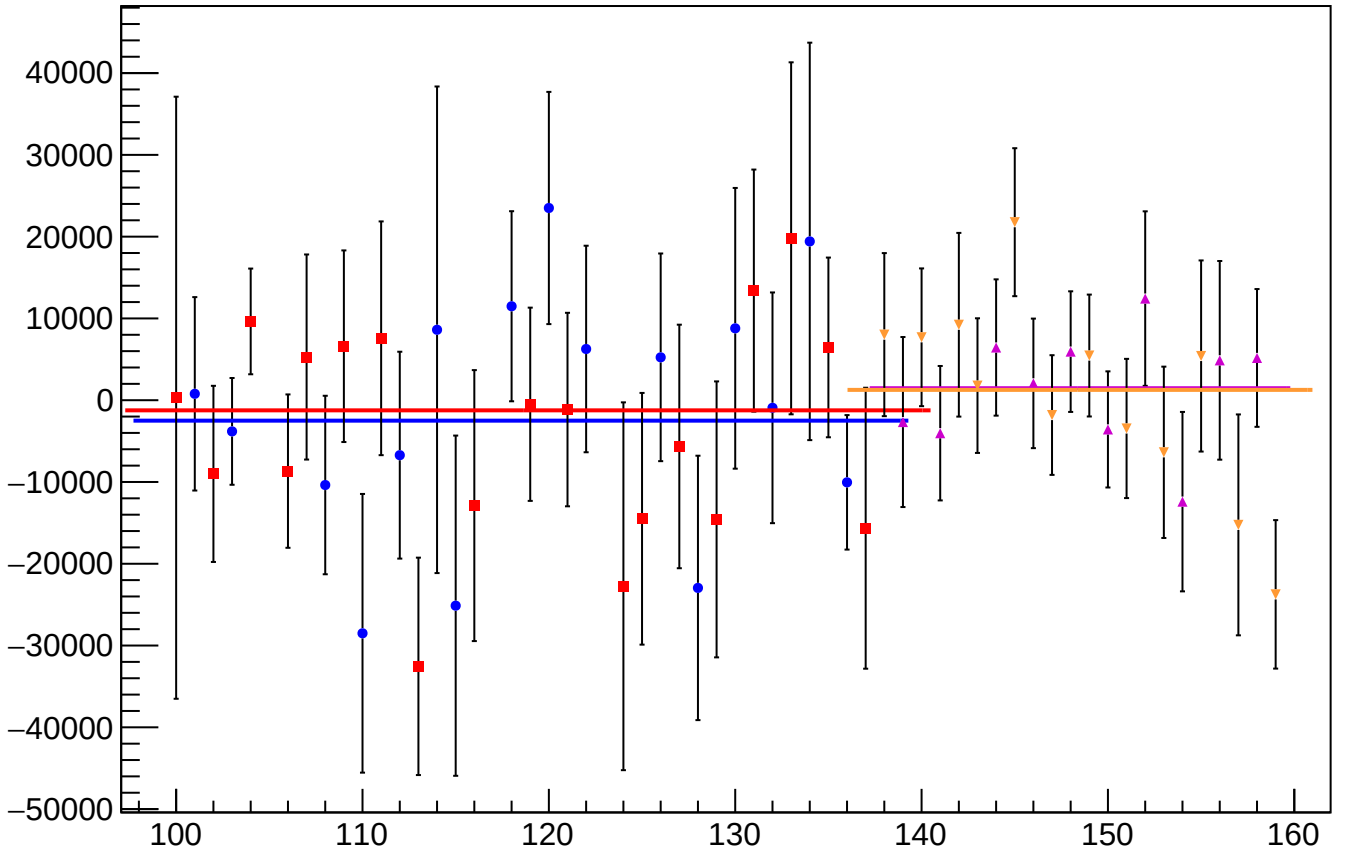
Left: 2486.194+/-0.412 χ^2/NDF: 123450.4/21

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2490.815+/-0.445 χ^2/NDF:661611.2/25

Out: 2475.081+/-0.430 χ^2/NDF:513734.2/30

All: 2482.672+/-0.309 χ^2/NDF: 1175991.5/56



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1261.711+/-2639.002 χ^2/NDF:17.2/11

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1467.185+/-2767.416 χ^2/NDF:4.8/9

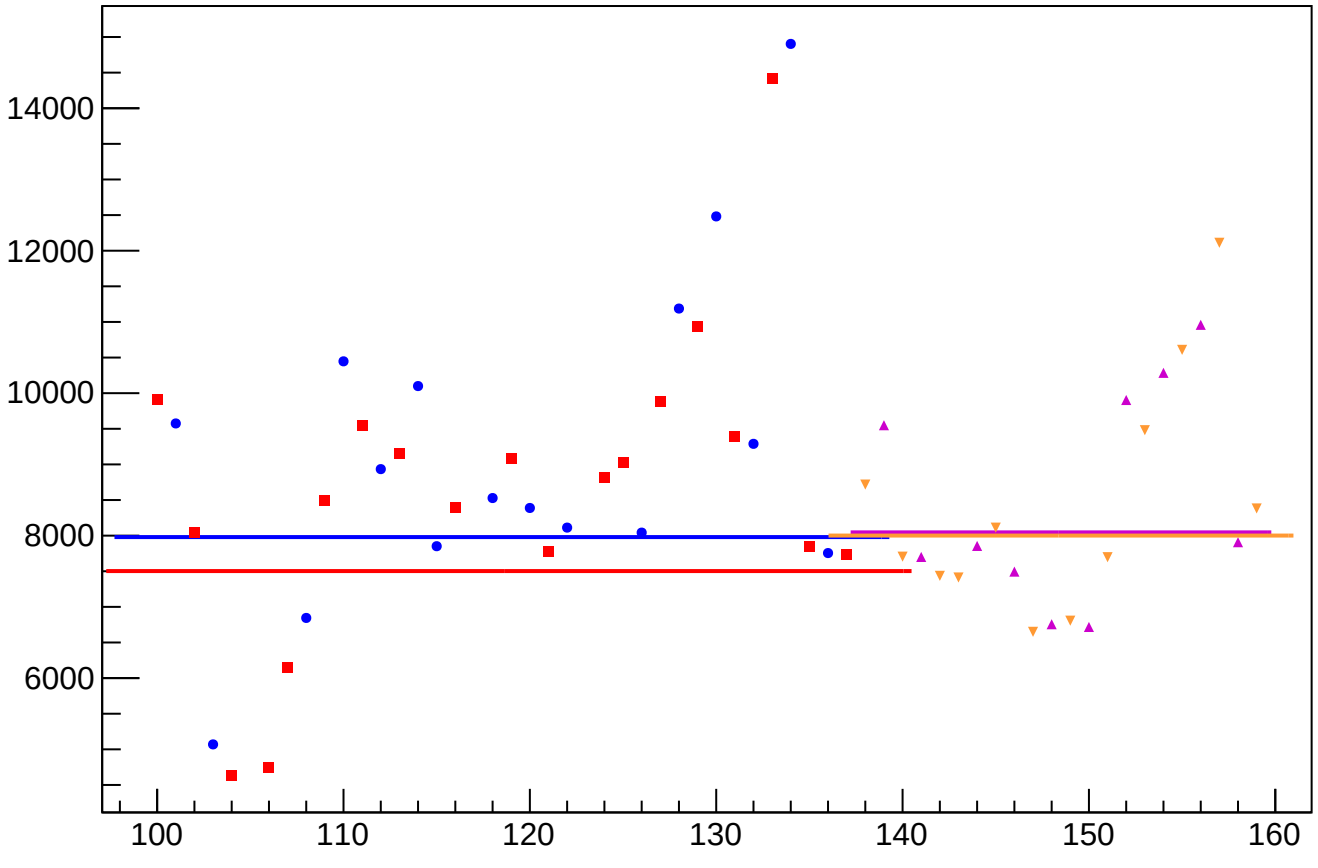
Left: 1359.570+/-1909.840 χ^2/NDF: 22.0/21

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -307.869+/-2057.232 χ^2/NDF:19.4/25

Out: 125.724+/-1949.823 χ^2/NDF:34.3/30

All: -79.458+/-1415.182 χ^2/NDF: 53.7/56



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8001.054+/-1.866 χ^2/NDF:478700.8/11

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

Left: 8022.382+/-1.350 χ^2/NDF: 925813.0/21

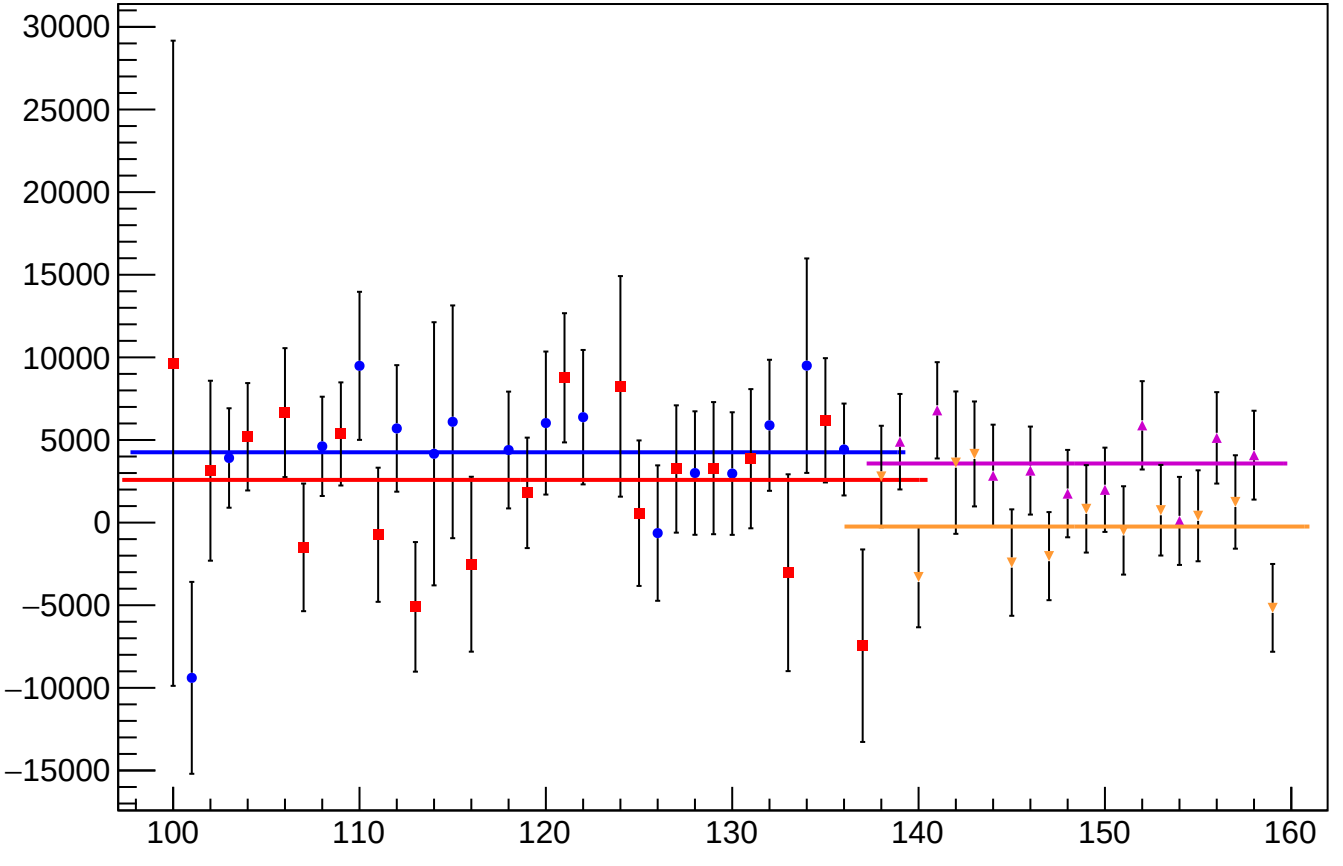
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8016.297+/-1.455 χ^2/NDF:1370132.5/25

Out: 7774.743+/-1.379 χ^2/NDF:1646614.1/30

All: 7889.050+/-1.001 χ^2/NDF: 3031271.9/56

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -238.582+/-839.512 χ^2/NDF:9.7/11

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3577.529+/-867.111 χ^2/NDF:5.2/9

Left: 1607.775+/-603.146 χ^2/NDF: 24.8/21

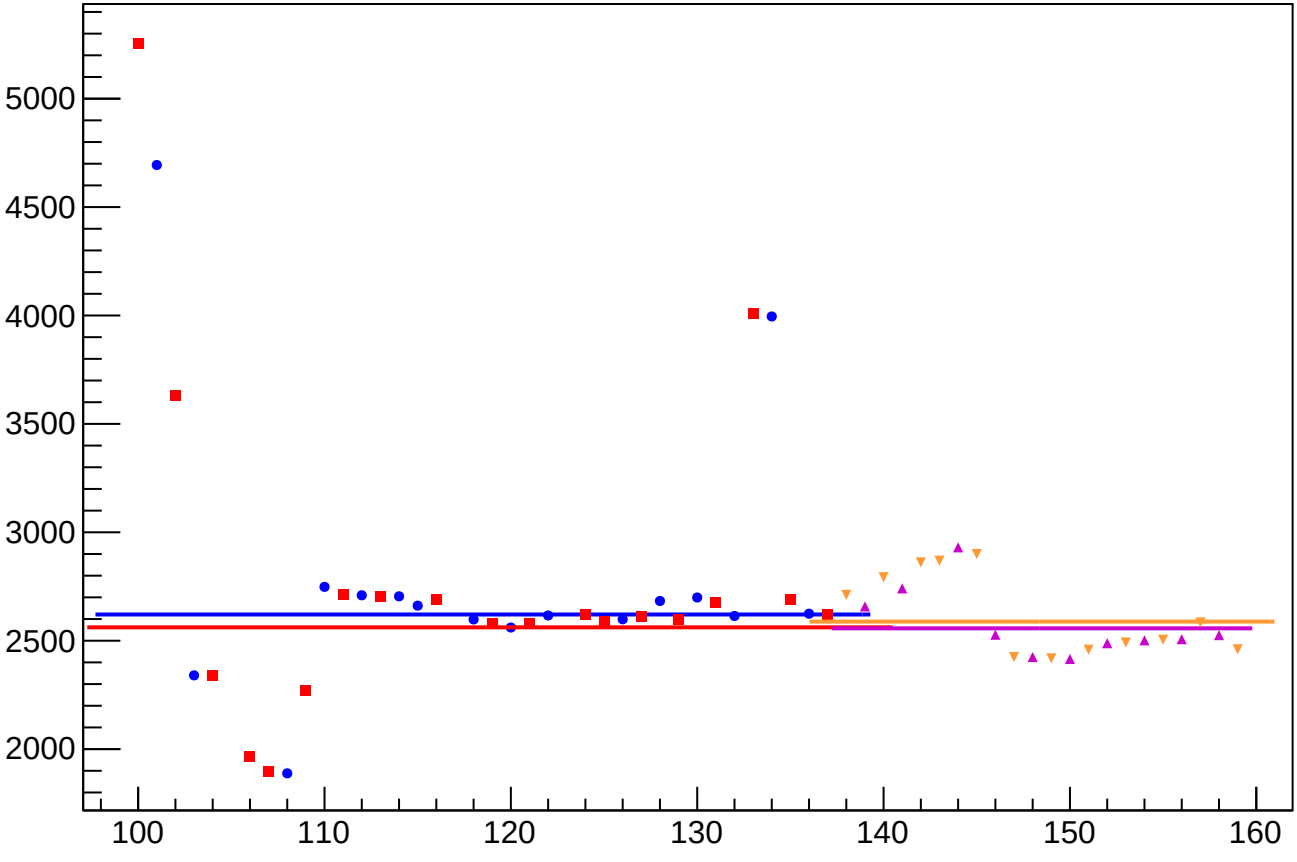
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3872.306+/-652.441 χ^2/NDF:15.5/25

Out: 976.161+/-633.673 χ^2/NDF:32.2/30

All: 2381.977+/-454.565 χ^2/NDF: 57.8/56

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2588.103+/-0.594 χ^2/NDF:84079.5/11

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2557.060+/-0.613 χ^2/NDF:54184.9/9

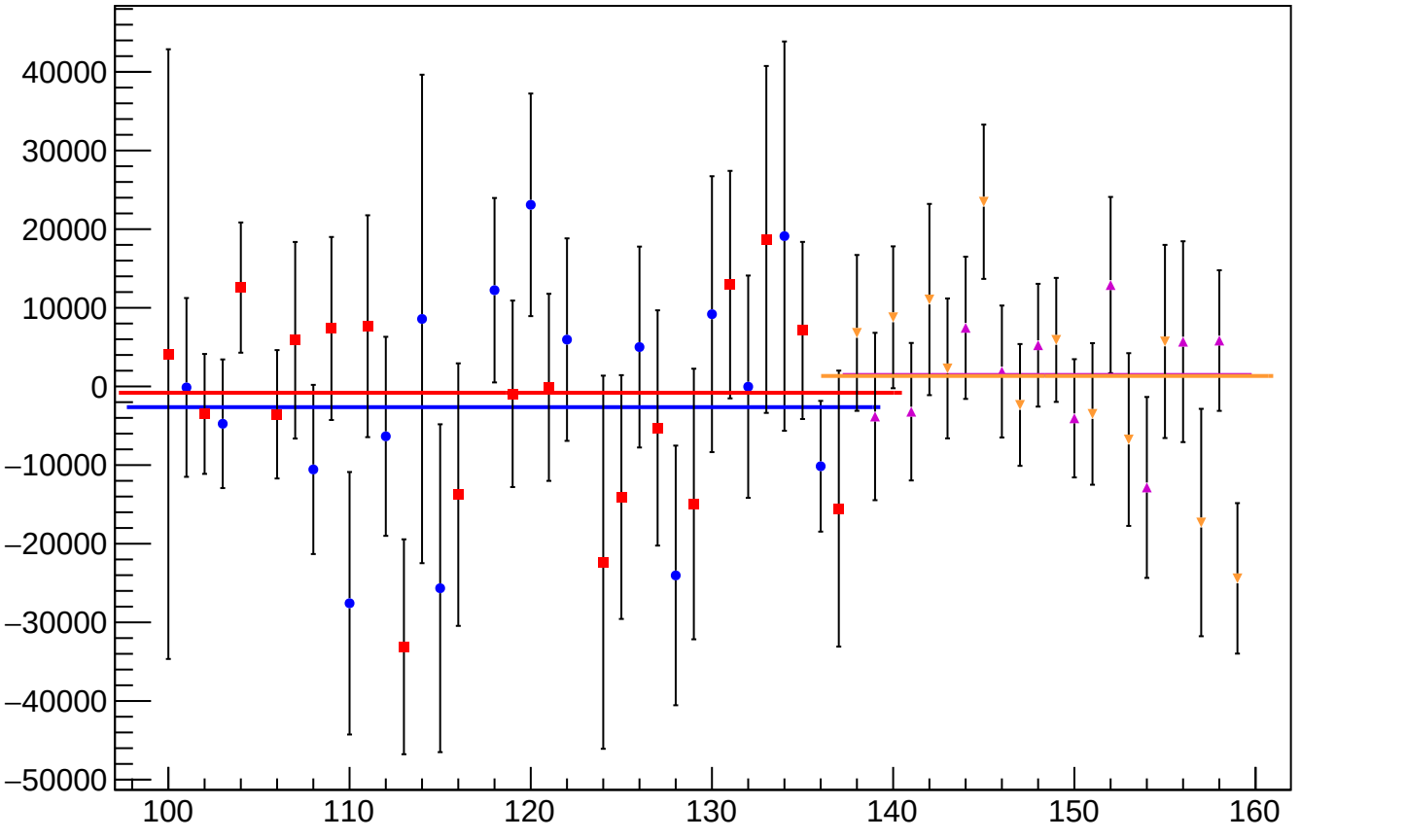
Left: 2573.083+/-0.426 χ^2/NDF: 139587.6/21

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2584.784+/-0.461 χ^2/NDF:544811.8/25

Out: 2576.743+/-0.448 χ^2/NDF:463189.6/30

All: 2580.645+/-0.321 χ^2/NDF: 1008157.7/56



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1332.678+/-2795.227 χ^2/NDF:17.2/11

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 1459.249+/-2928.258 χ^2/NDF:4.7/9

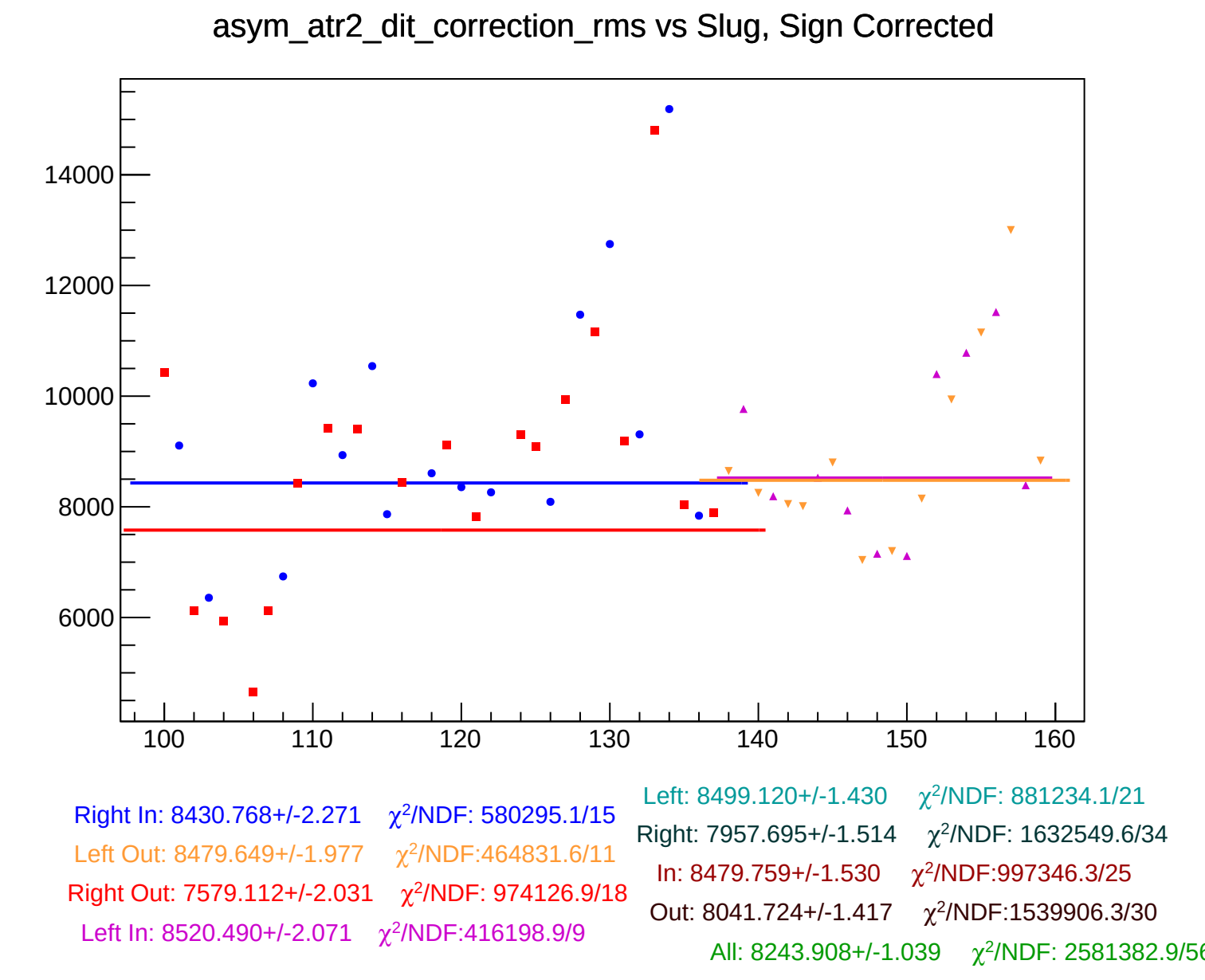
Left: 1393.023+/-2021.918 χ^2/NDF: 21.8/21

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

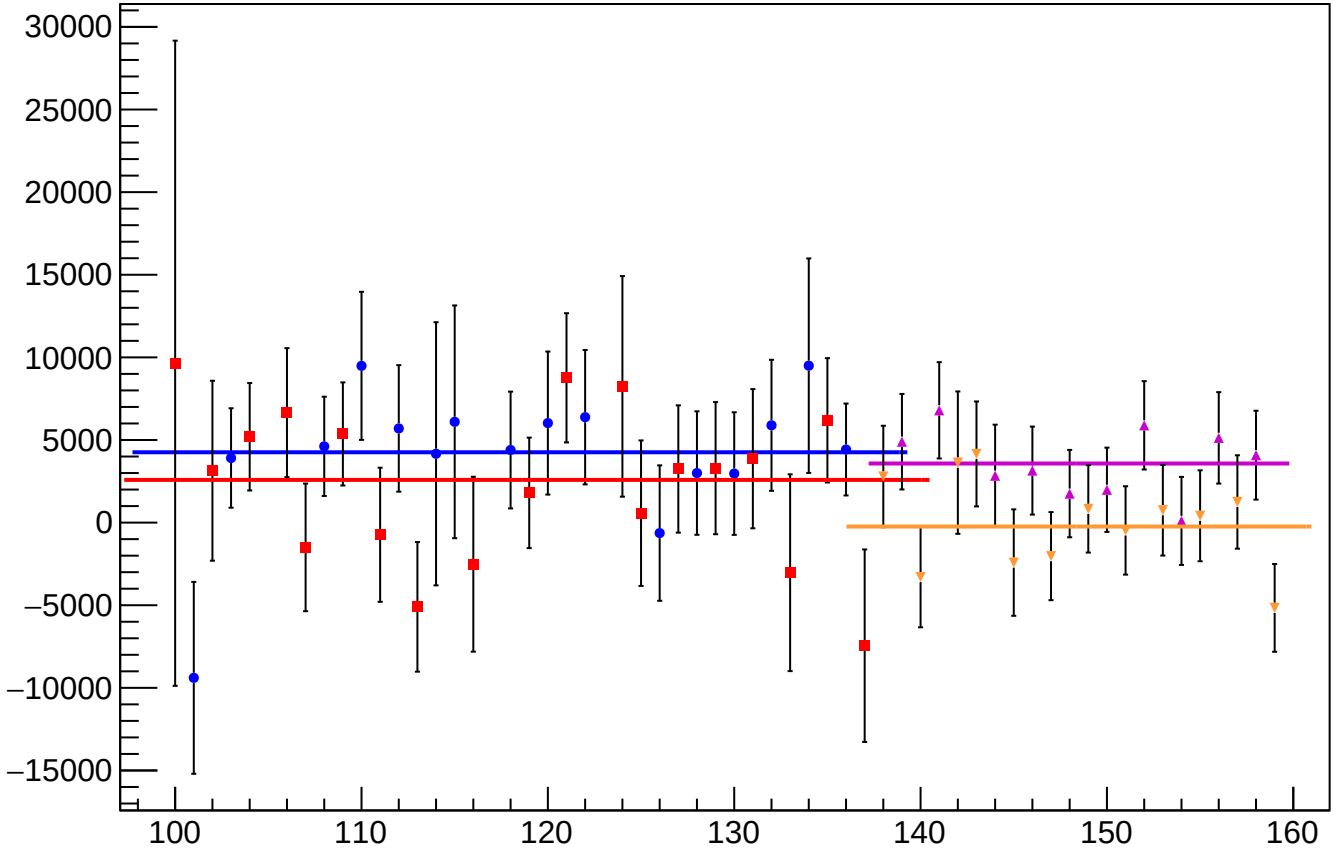
In: -397.998+/-2163.813 χ^2/NDF:19.4/25

Out: 294.171+/-2003.433 χ^2/NDF:32.8/30

All: -25.314+/-1470.073 χ^2/NDF: 52.3/56


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8479.649+/-1.977 χ²/NDF:464831.6/11
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8520.490+/-2.071 χ²/NDF:416198.9/9
Left: 8499.120+/-1.430 χ²/NDF: 881234.1/21
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8479.759+/-1.530 χ²/NDF:997346.3/25
Out: 8041.724+/-1.417 χ²/NDF:1539906.3/30
All: 8243.908+/-1.039 χ²/NDF: 2581382.9/56

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -238.597+/-839.512 χ^2/NDF:9.7/11

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3577.527+/-867.112 χ^2/NDF:5.2/9

Left: 1607.767+/-603.146 χ^2/NDF: 24.8/21

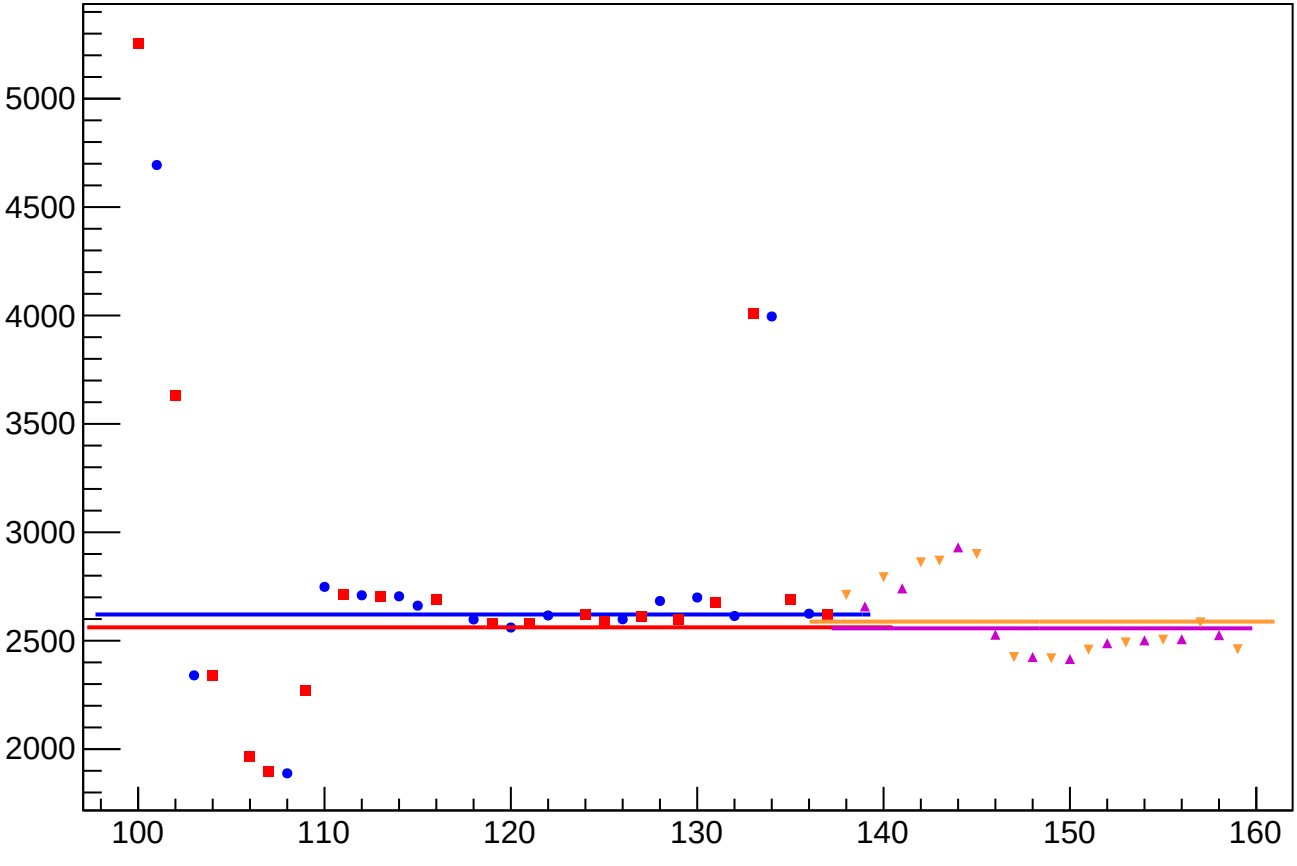
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3872.308+/-652.442 χ^2/NDF:15.5/25

Out: 976.158+/-633.673 χ^2/NDF:32.2/30

All: 2381.977+/-454.565 χ^2/NDF: 57.8/56

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2588.105+/-0.594 χ^2/NDF:84079.6/11

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2557.061+/-0.613 χ^2/NDF:54184.7/9

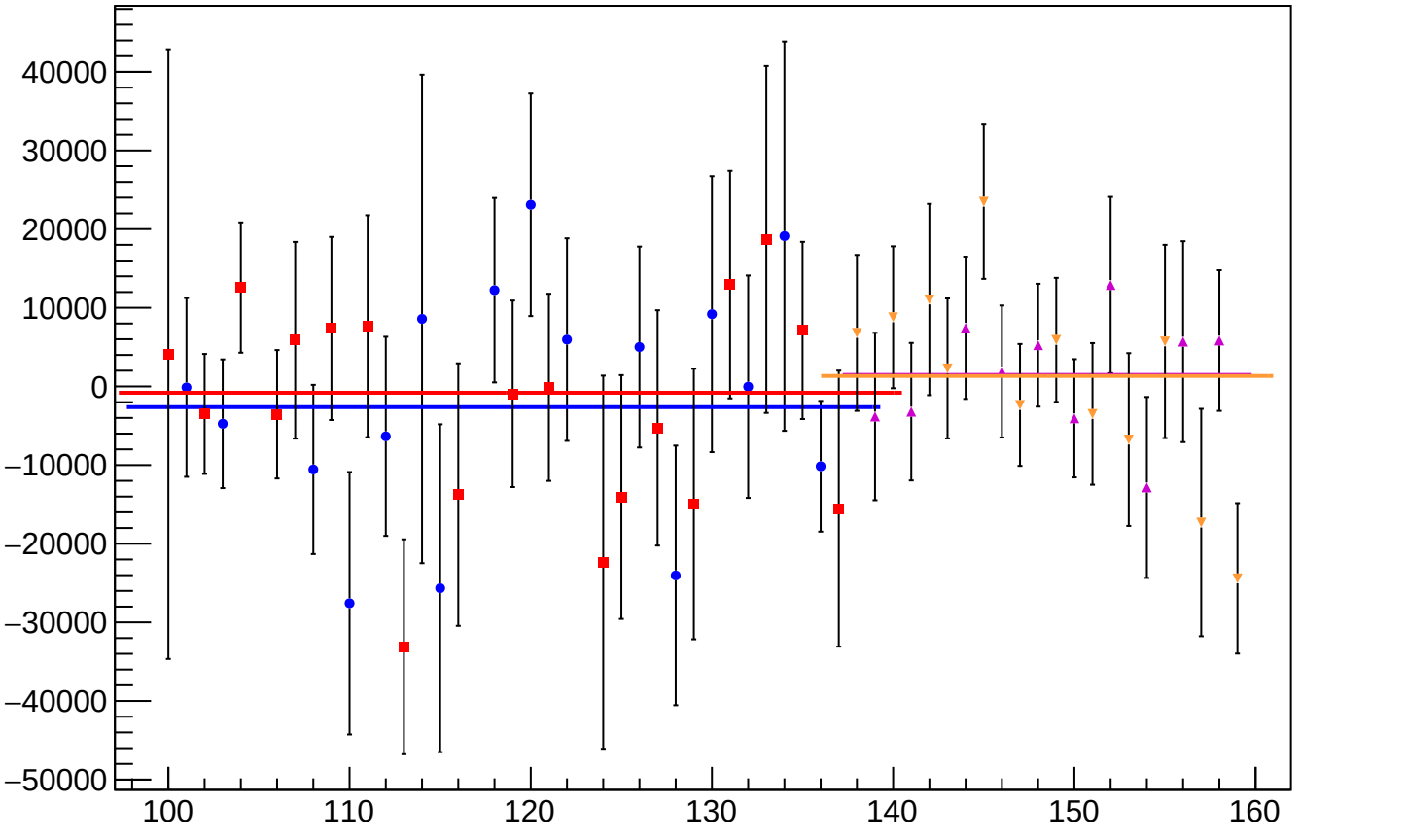
Left: 2573.085+/-0.426 χ^2/NDF: 139587.5/21

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2584.785+/-0.461 χ^2/NDF:544811.5/25

Out: 2576.744+/-0.448 χ^2/NDF:463189.3/30

All: 2580.646+/-0.321 χ^2/NDF: 1008157.1/56



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1332.670+/-2795.231 χ^2/NDF:17.2/11

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1459.245+/-2928.262 χ^2/NDF:4.7/9

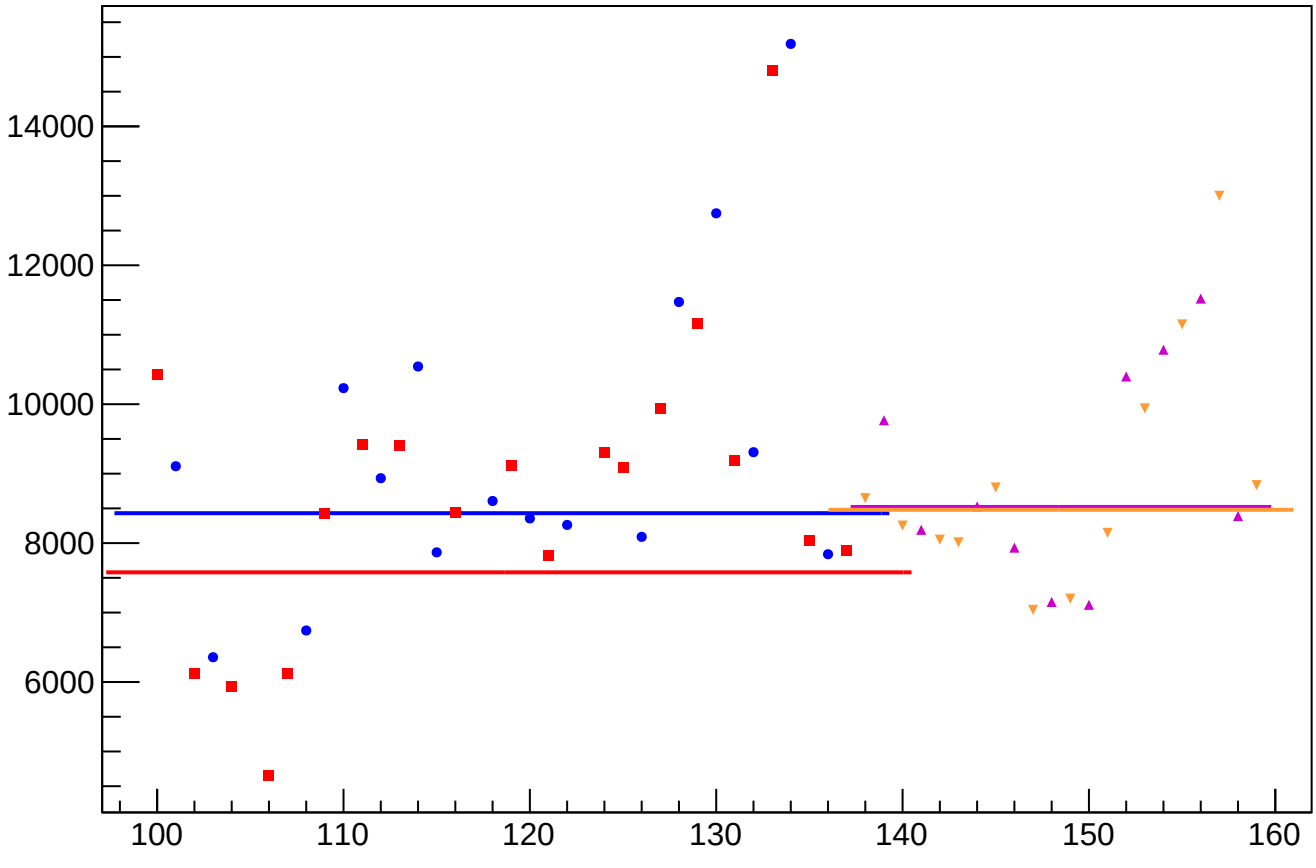
Left: 1393.017+/-2021.921 χ^2/NDF: 21.8/21

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -397.990+/-2163.813 χ^2/NDF:19.4/25

Out: 294.165+/-2003.433 χ^2/NDF:32.8/30

All: -25.313+/-1470.073 χ^2/NDF: 52.3/56



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8479.661+/-1.977 χ^2/NDF:464830.0/11

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8520.501+/-2.071 χ^2/NDF:416196.7/9

Left: 8499.132+/-1.430 χ^2/NDF: 881230.3/21

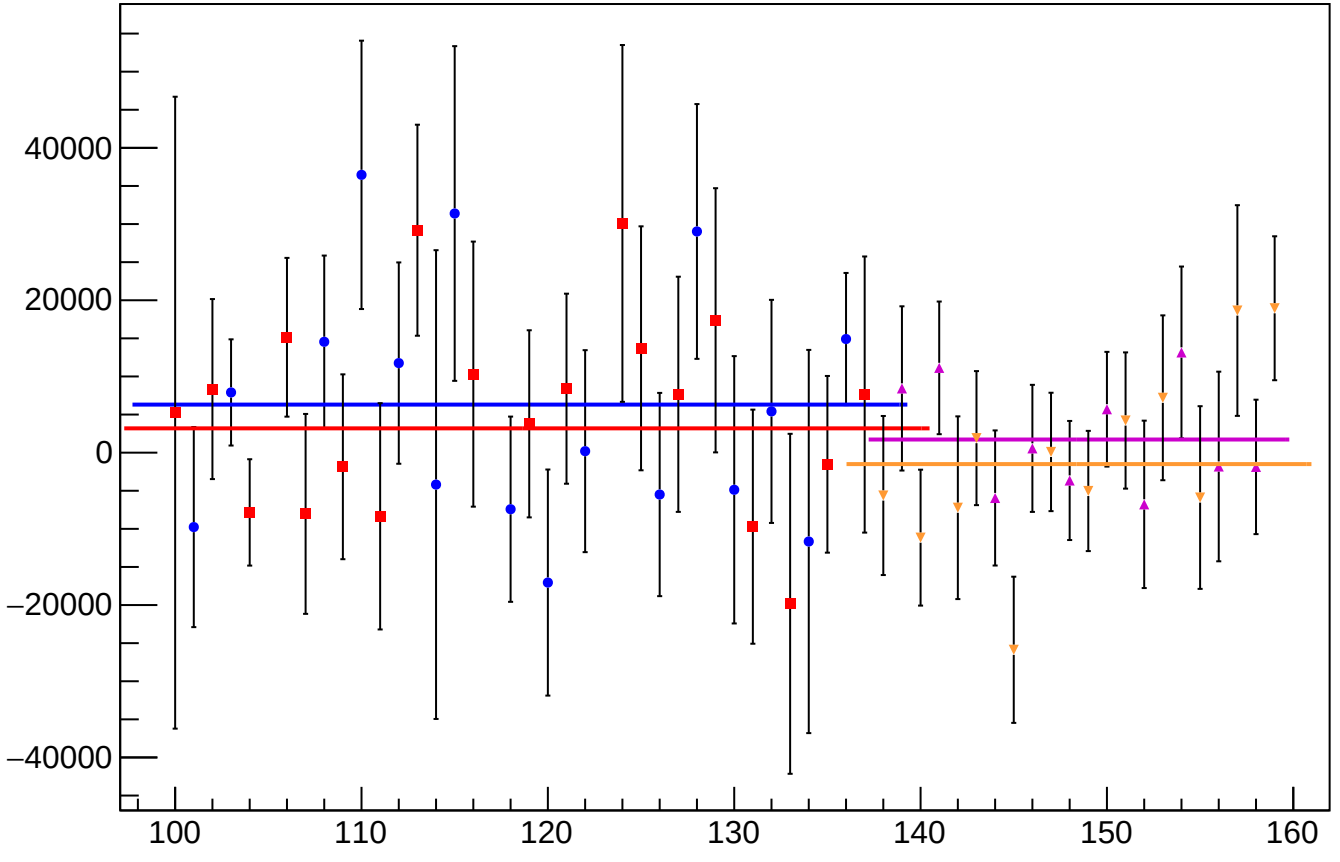
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8479.761+/-1.530 χ^2/NDF:997338.8/25

Out: 8041.723+/-1.417 χ^2/NDF:1539906.4/30

All: 8243.909+/-1.039 χ^2/NDF: 2581376.0/56

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1500.951+/-2777.892 χ^2/NDF:16.4/11

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1724.581+/-2906.137 χ^2/NDF:4.9/9

Left: 39.077+/-2008.074 χ^2/NDF: 22.0/21

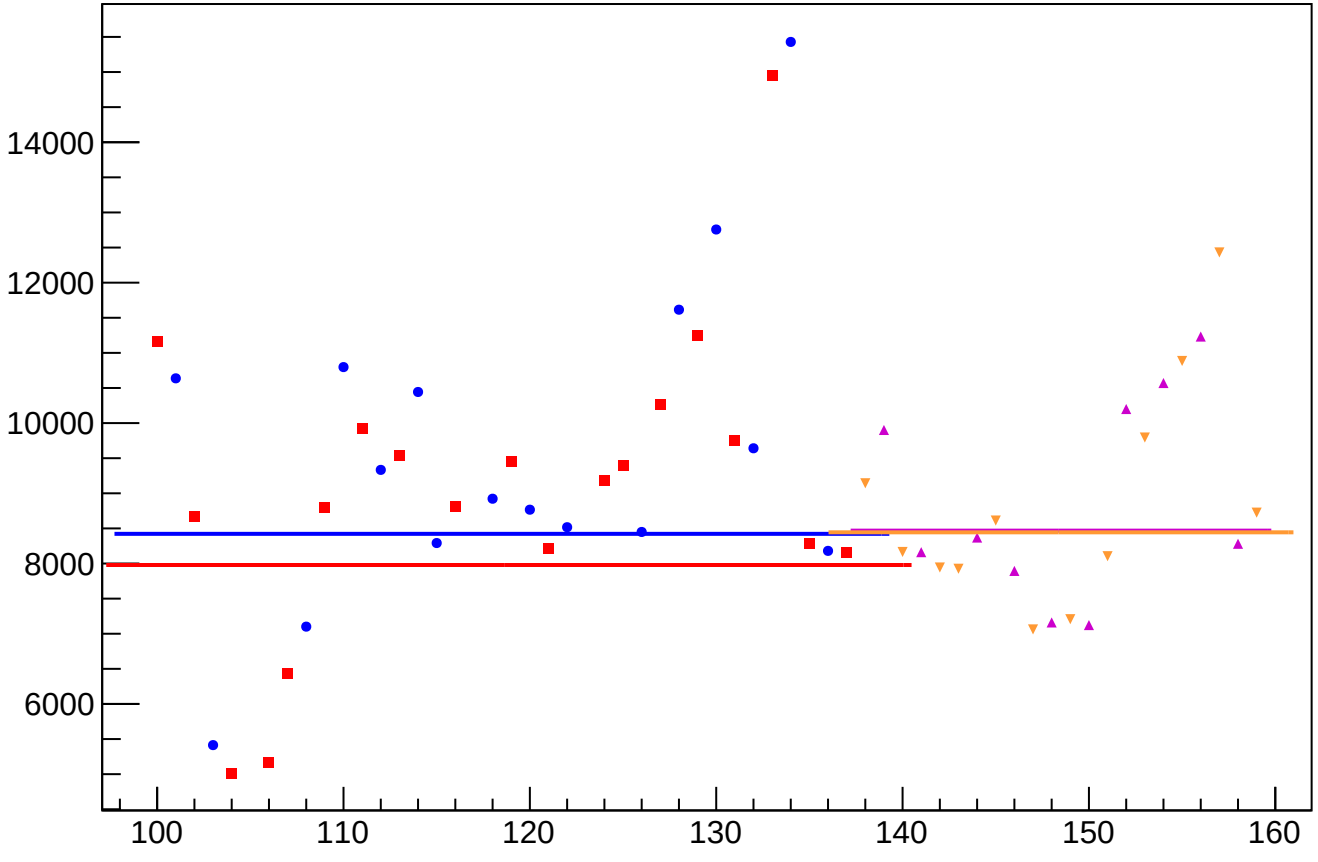
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3767.825+/-2163.298 χ^2/NDF:21.2/25

Out: 611.525+/-2059.406 χ^2/NDF:31.6/30

All: 2112.067+/-1491.596 χ^2/NDF: 53.9/56

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8444.293+/-1.964 χ^2/NDF:419526.1/11

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8468.270+/-2.055 χ^2/NDF:386300.6/9

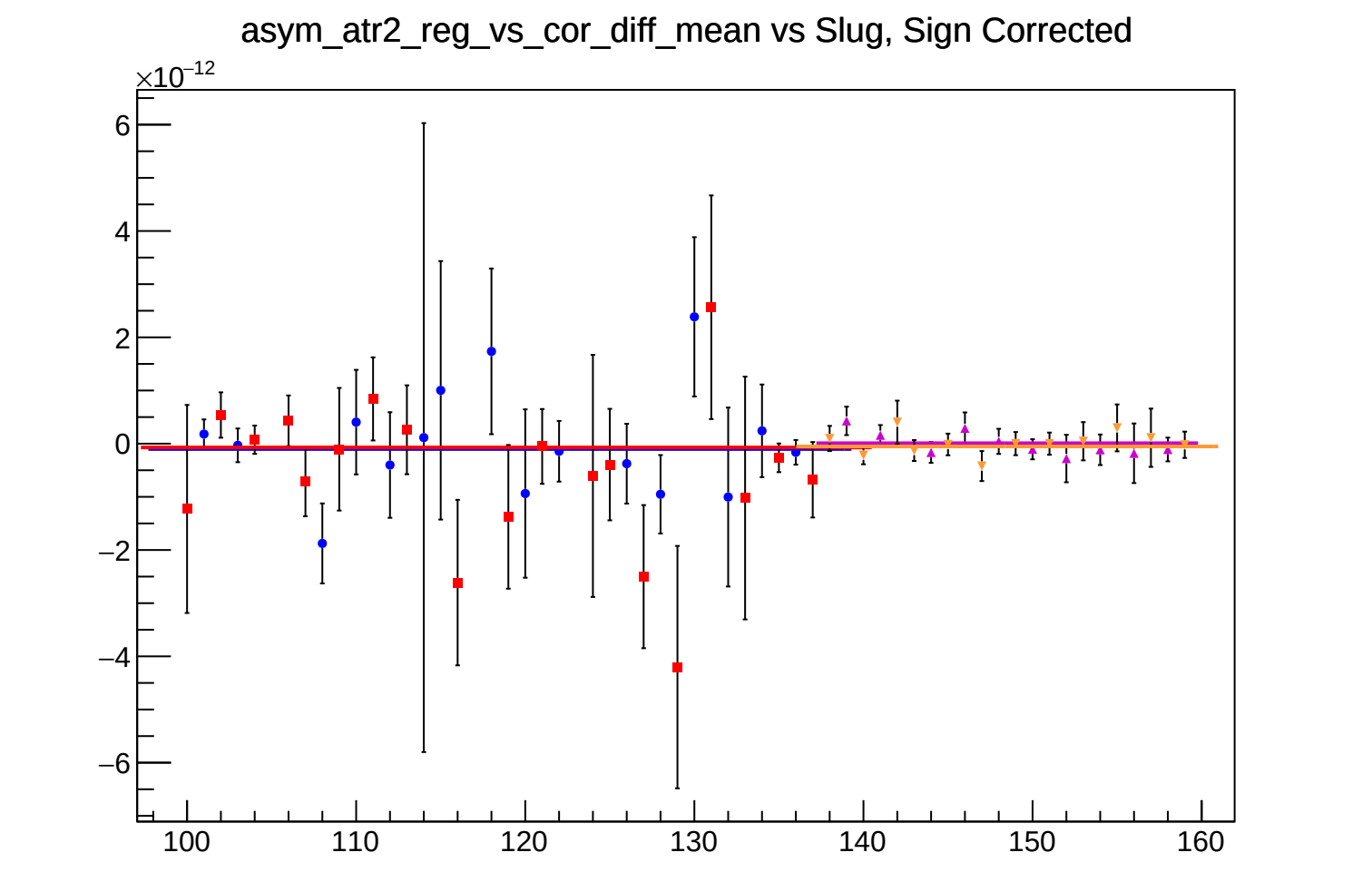
Left: 8455.741+/-1.420 χ^2/NDF: 805897.8/21

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8447.959+/-1.530 χ^2/NDF:1268353.6/25

Out: 8234.723+/-1.456 χ^2/NDF:1460818.2/30

All: 8336.097+/-1.055 χ^2/NDF: 2739365.6/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

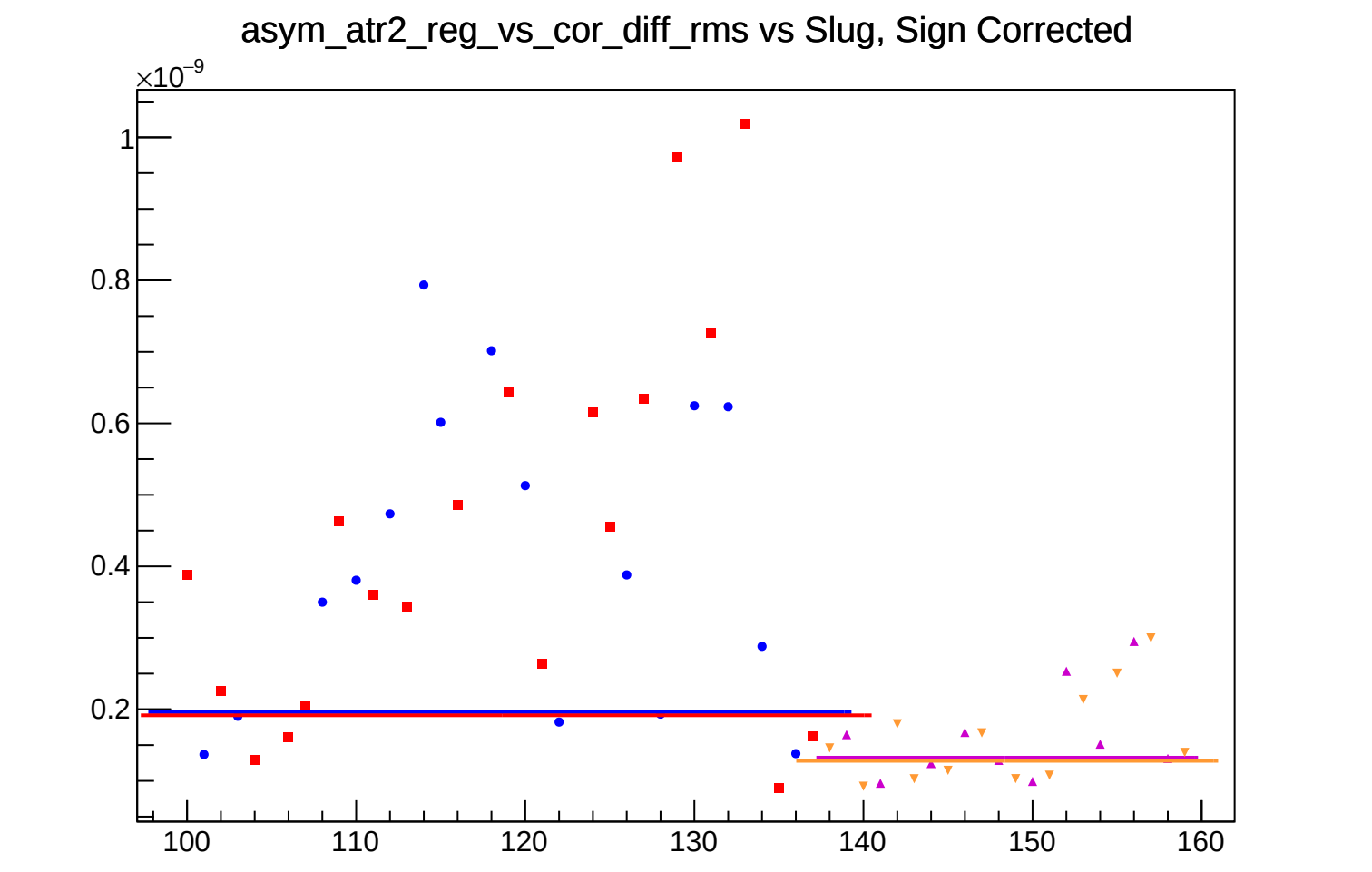
Left: -0.000+/-0.000 χ^2/NDF: 11.9/21

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:20.3/25

Out: -0.000+/-0.000 χ^2/NDF:25.1/30

All: -0.000+/-0.000 χ^2/NDF: 45.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:725867.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:516161.7/9

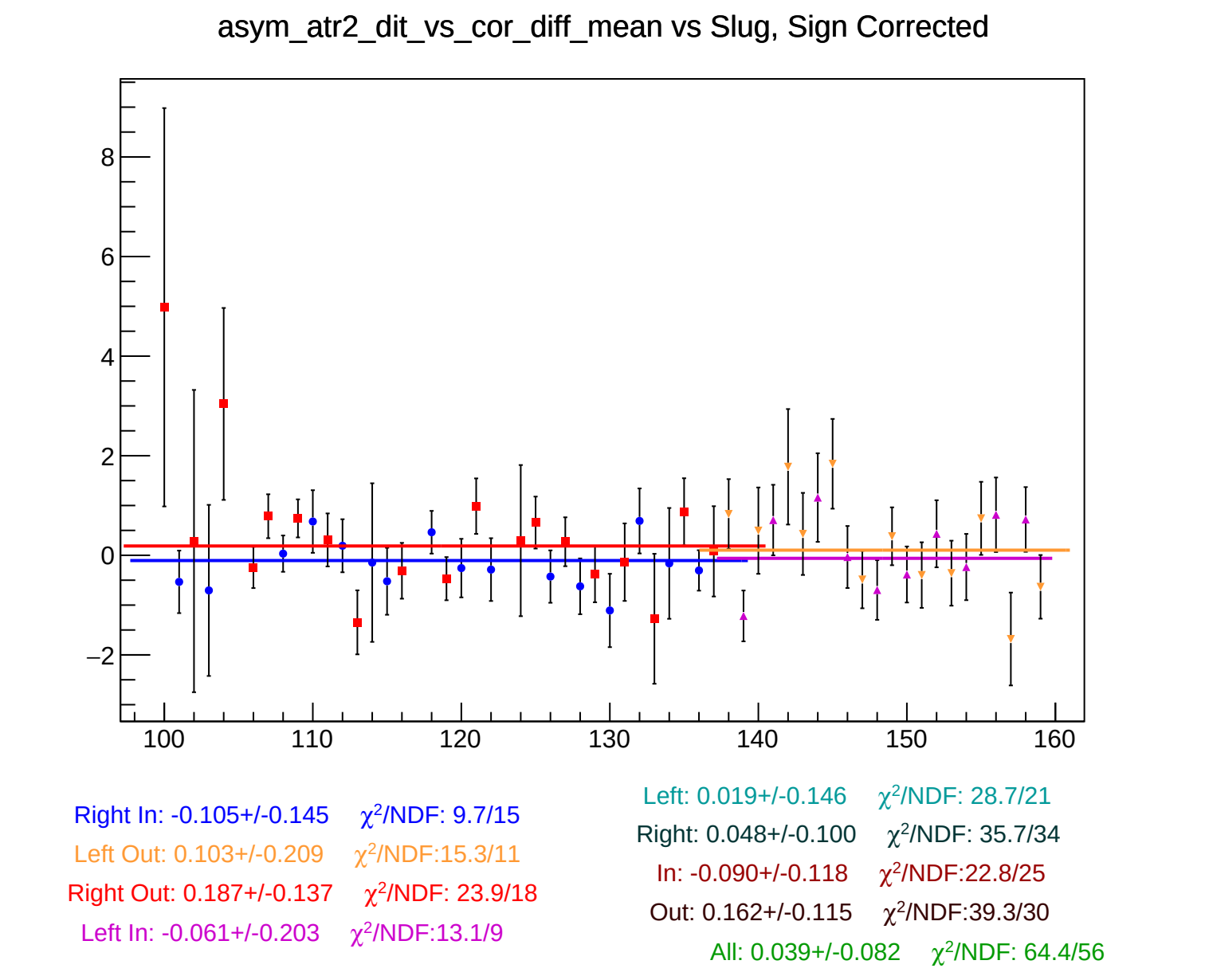
Left: 0.000+/-0.000 χ^2/NDF: 1245636.7/21

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

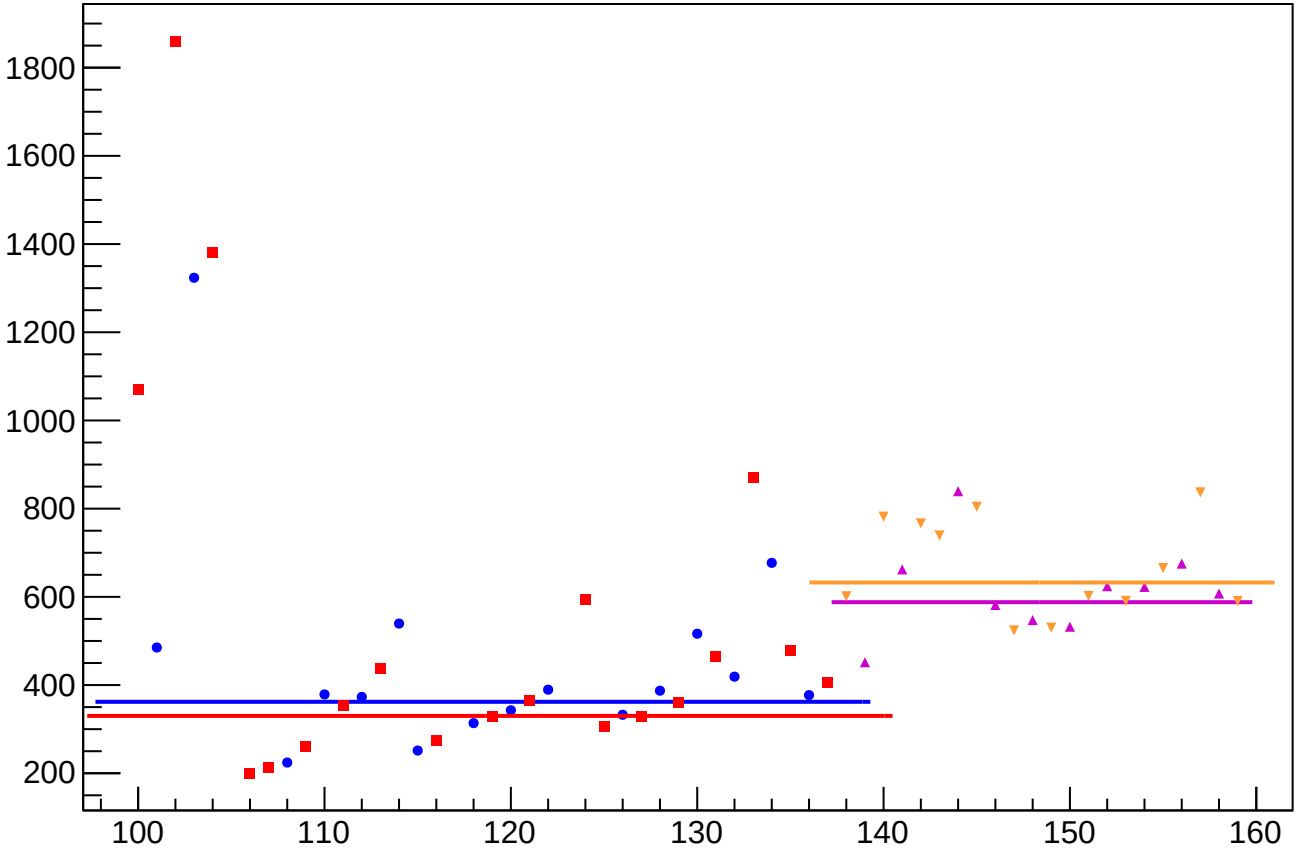
In: 0.000+/-0.000 χ^2/NDF:2194500.2/25

Out: 0.000+/-0.000 χ^2/NDF:3124193.6/30

All: 0.000+/-0.000 χ^2/NDF: 5331238.9/56


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.103+/-0.209 χ²/NDF:15.3/11
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.061+/-0.203 χ²/NDF:13.1/9
Left: 0.019+/-0.146 χ²/NDF: 28.7/21
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.090+/-0.118 χ²/NDF:22.8/25
Out: 0.162+/-0.115 χ²/NDF:39.3/30
All: 0.039+/-0.082 χ²/NDF: 64.4/56

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.578+/-0.148 χ^2/NDF:449867.3/11

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

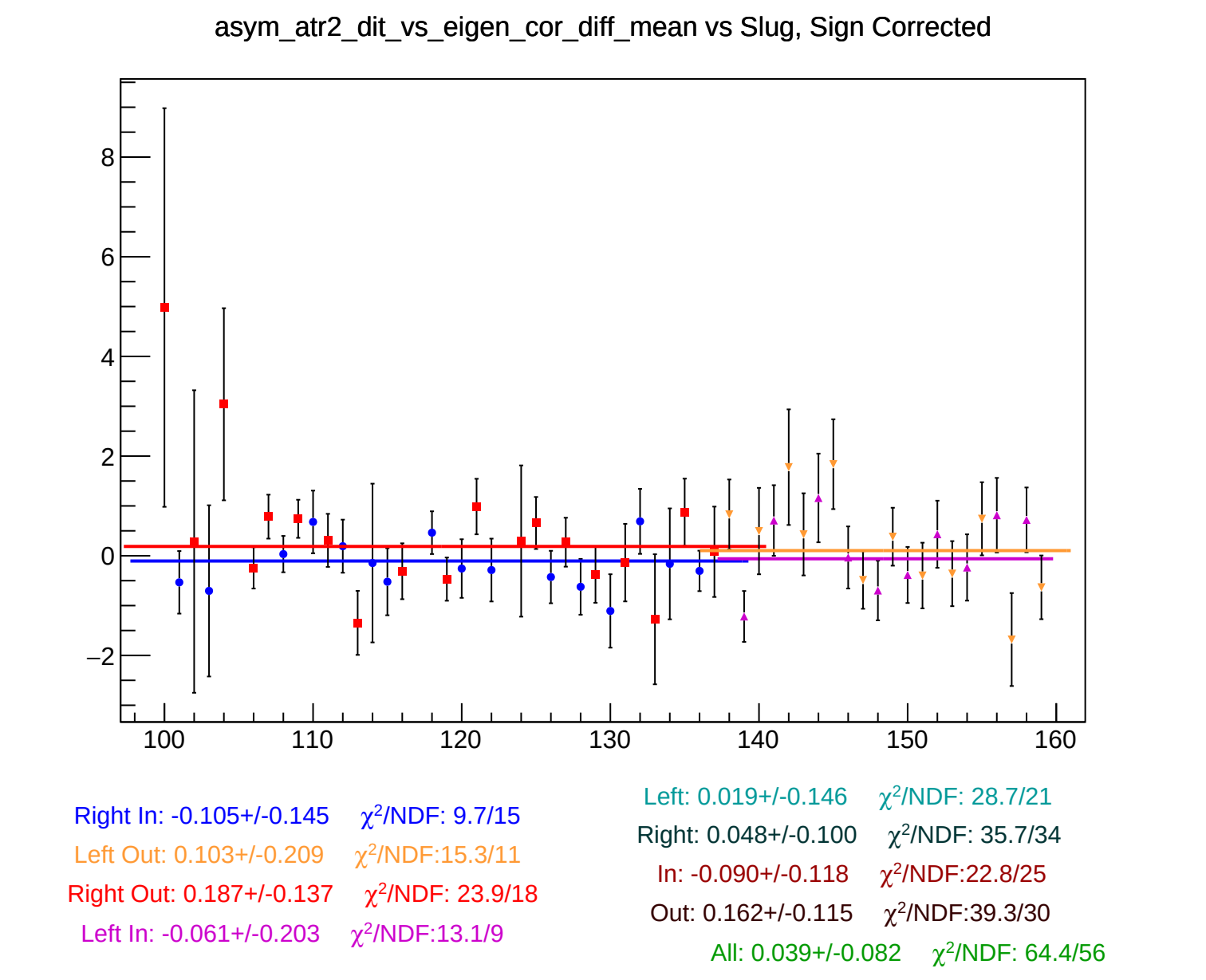
Left: 609.611+/-0.103 χ^2/NDF: 890479.8/21

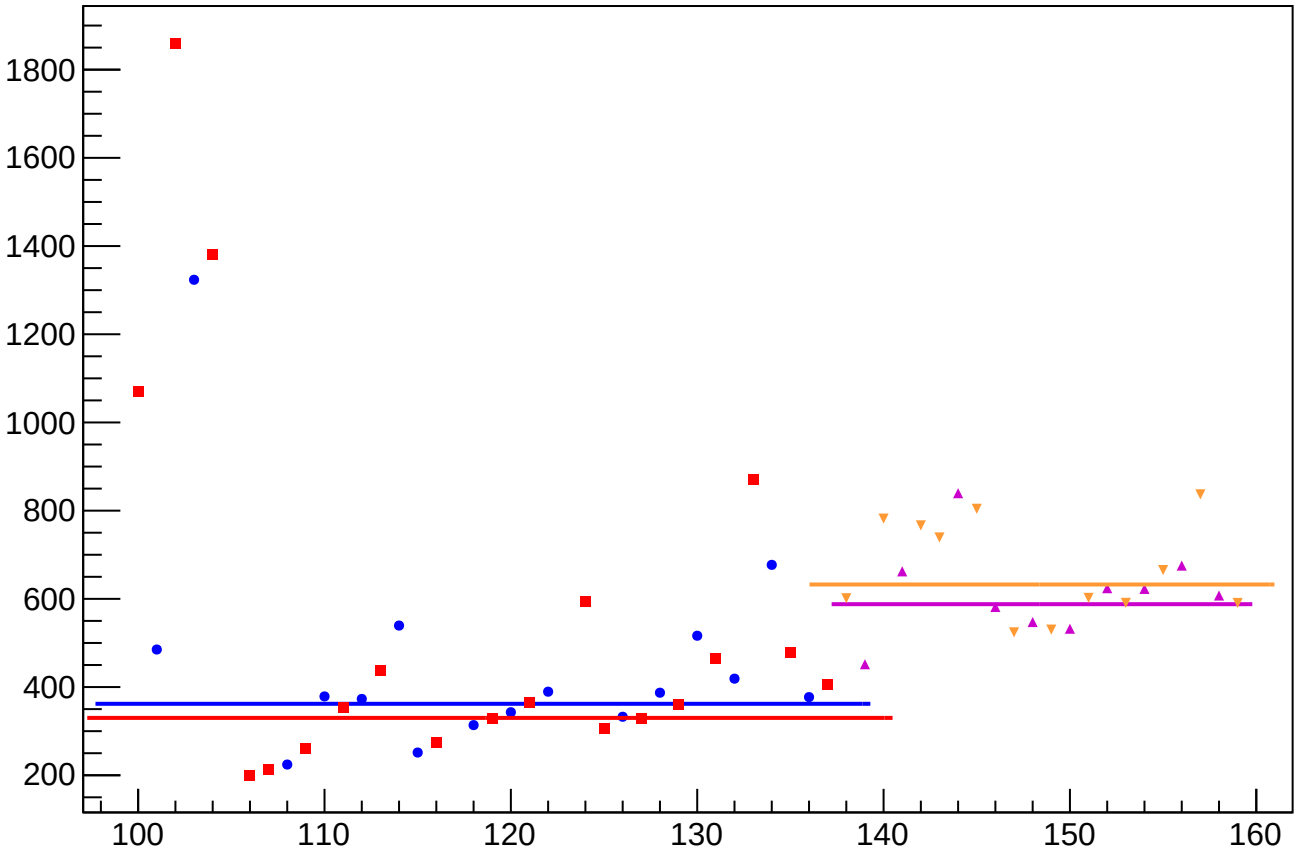
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 438.045+/-0.083 χ^2/NDF:3411307.1/25

Out: 421.349+/-0.081 χ^2/NDF:5620557.9/30

All: 429.480+/-0.058 χ^2/NDF: 9052456.8/56


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.103+/-0.209 χ²/NDF:15.3/11
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.061+/-0.203 χ²/NDF:13.1/9
Left: 0.019+/-0.146 χ²/NDF: 28.7/21
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.090+/-0.118 χ²/NDF:22.8/25
Out: 0.162+/-0.115 χ²/NDF:39.3/30
All: 0.039+/-0.082 χ²/NDF: 64.4/56



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.578+/-0.148 χ^2/NDF:449867.3/11

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

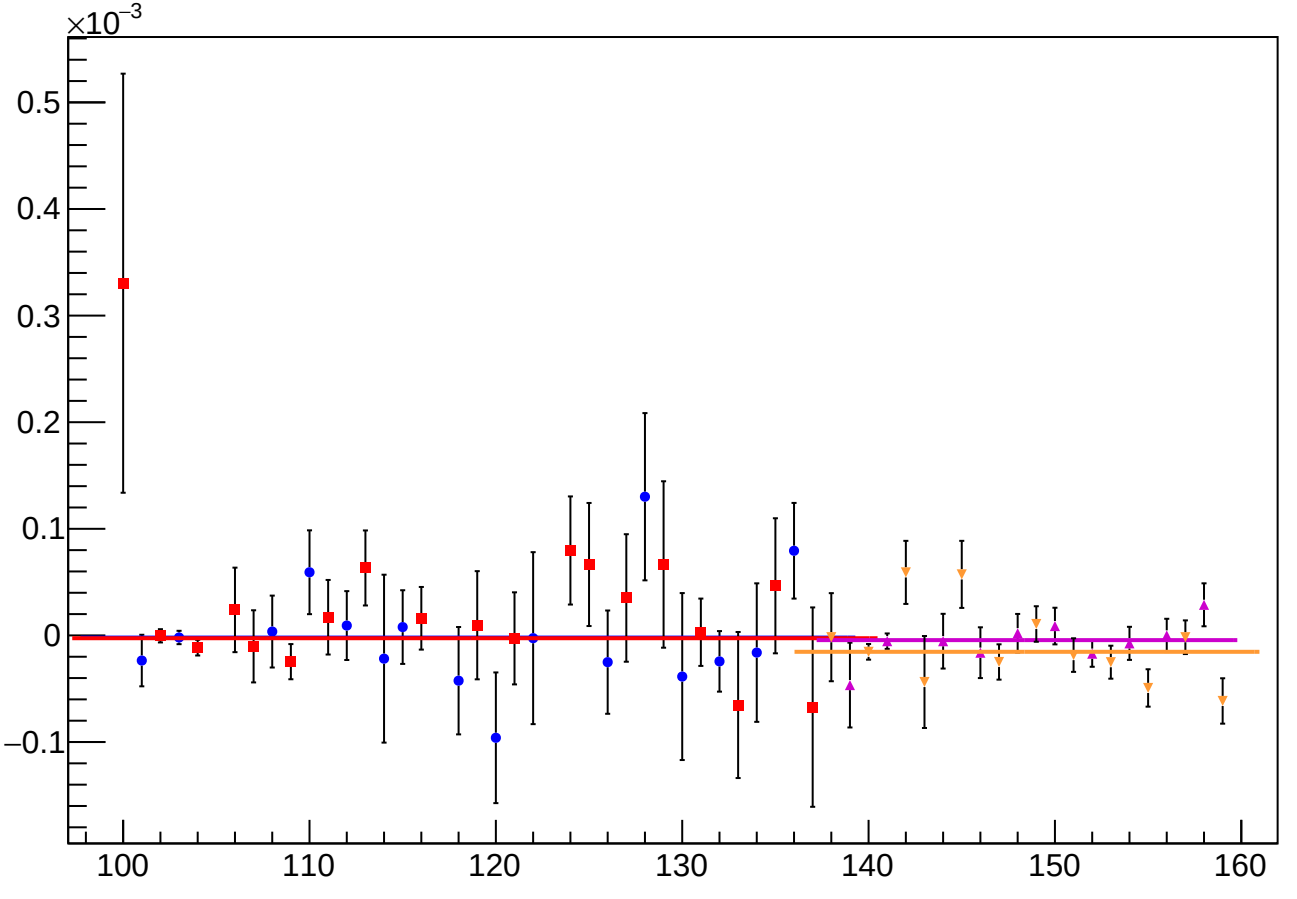
Left: 609.611+/-0.103 χ^2/NDF: 890479.8/21

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 438.045+/-0.083 χ^2/NDF:3411307.1/25

Out: 421.349+/-0.081 χ^2/NDF:5620557.9/30

All: 429.480+/-0.058 χ^2/NDF: 9052456.8/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/9

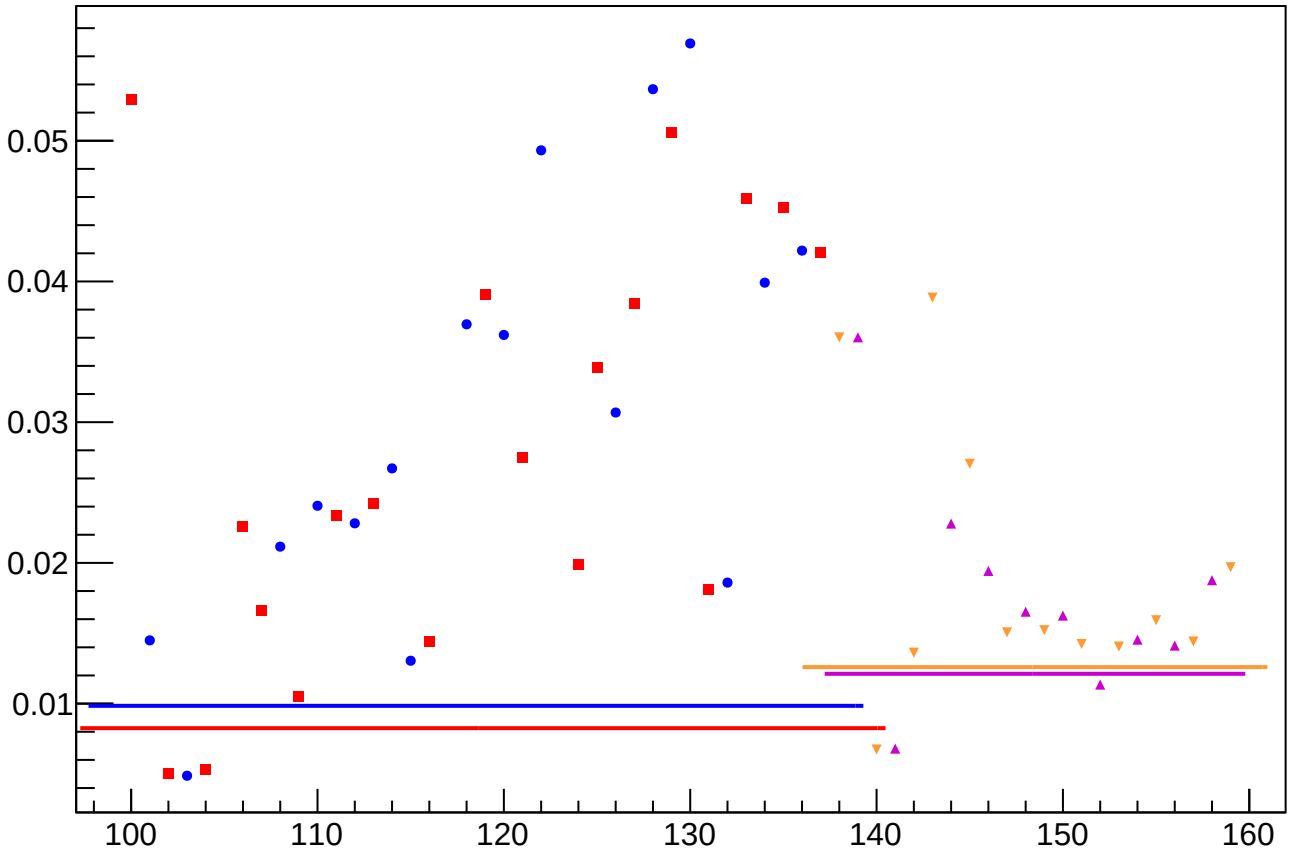
Left: -0.000+/-0.000 χ^2/NDF: 33.4/21

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:19.9/25

Out: -0.000+/-0.000 χ^2/NDF:47.0/30

All: -0.000+/-0.000 χ^2/NDF: 68.0/56



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:3532058.9/11

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:2878204.8/9

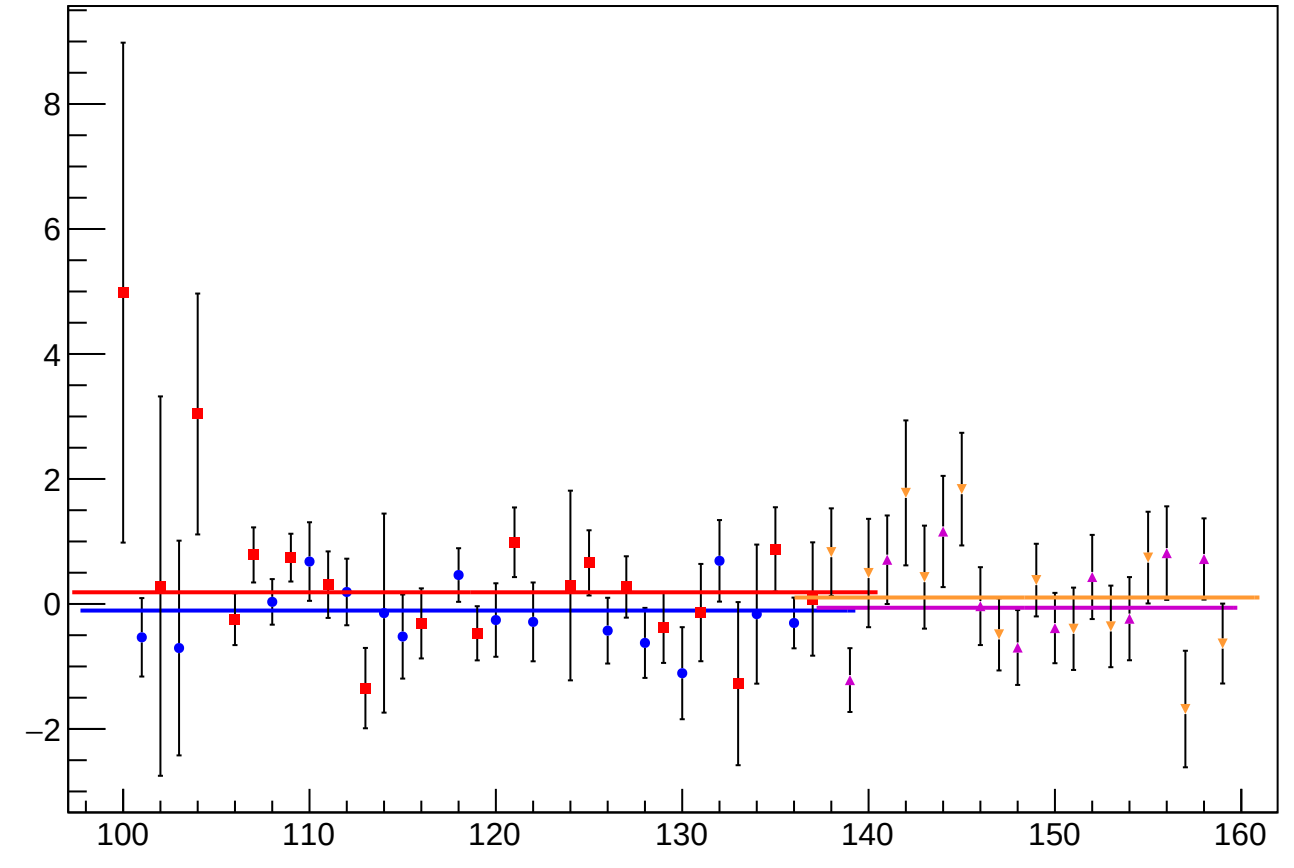
Left: 0.012+/-0.000 χ^2/NDF: 6420935.6/21

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:10135308.5/25

Out: 0.010+/-0.000 χ^2/NDF:11232695.6/30

All: 0.011+/-0.000 χ^2/NDF: 21445883.5/56



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.103+/-0.209 χ^2/NDF:15.3/11

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.061+/-0.203 χ^2/NDF:13.1/9

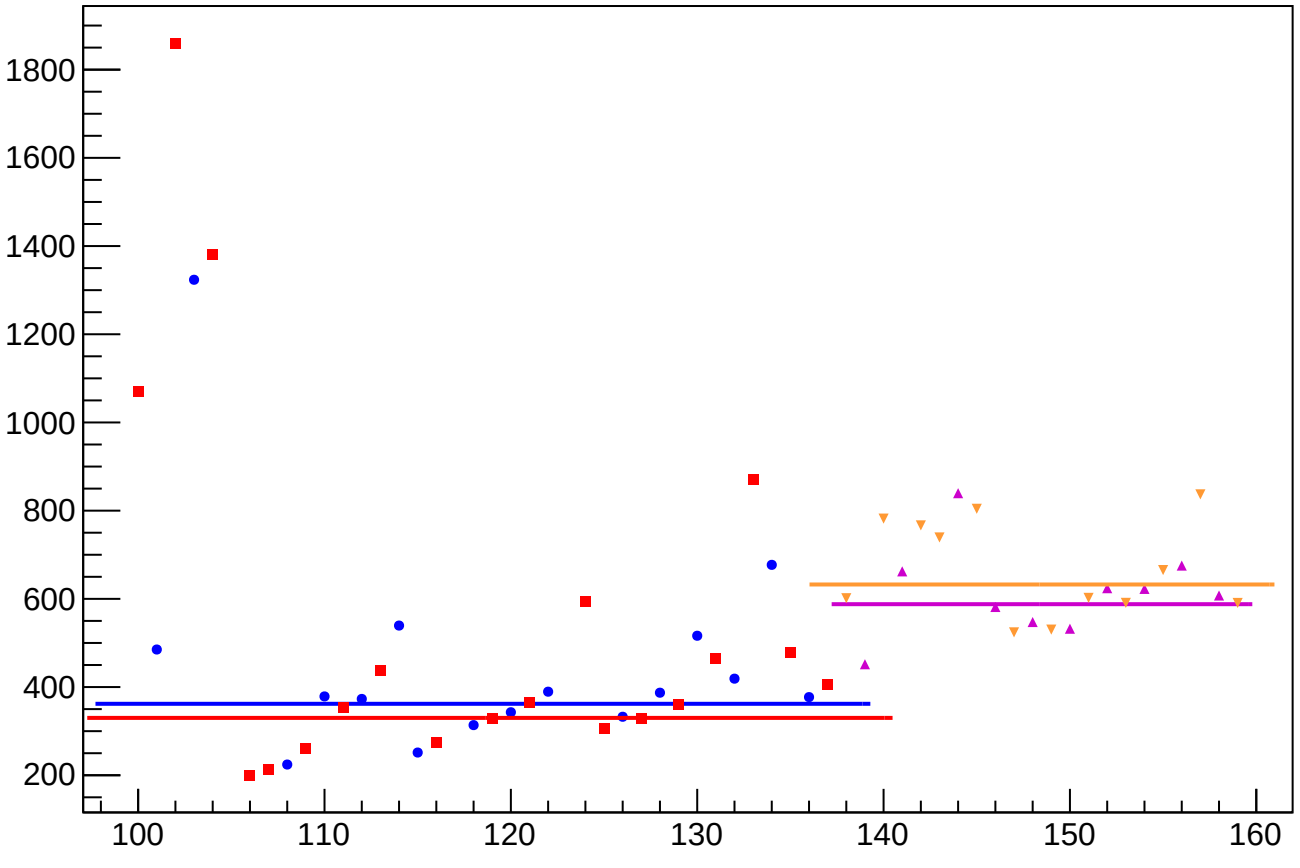
Left: 0.019+/-0.146 χ^2/NDF: 28.7/21

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.090+/-0.118 χ^2/NDF:22.8/25

Out: 0.162+/-0.115 χ^2/NDF:39.3/30

All: 0.039+/-0.082 χ^2/NDF: 64.4/56



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.587+/-0.148 χ^2/NDF:449847.4/11

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

Left: 609.619+/-0.103 χ^2/NDF: 890434.6/21

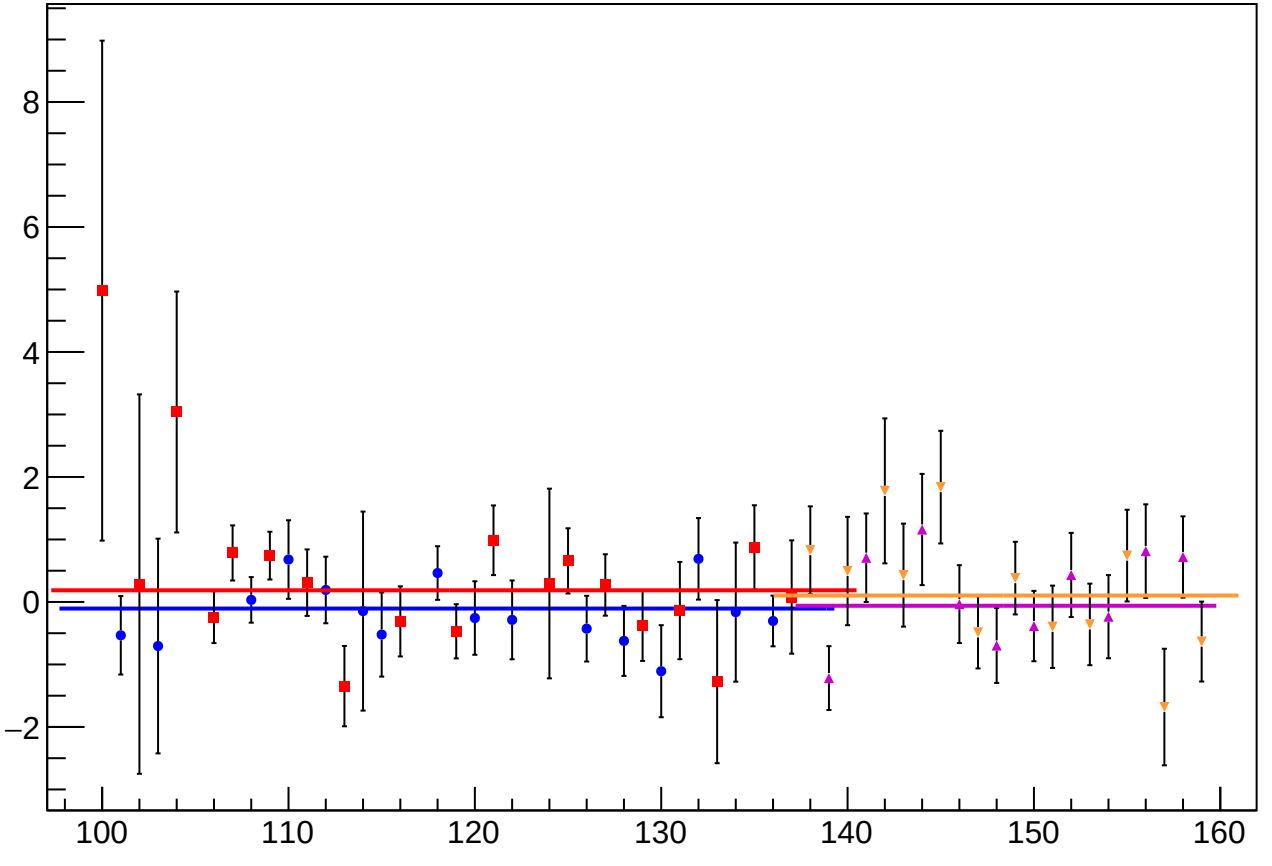
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 438.044+/-0.083 χ^2/NDF:3411417.2/25

Out: 421.349+/-0.081 χ^2/NDF:5620671.5/30

All: 429.479+/-0.058 χ^2/NDF: 9052679.0/56

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: 0.103+/-0.209 χ^2/NDF:15.3/11

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.061+/-0.203 χ^2/NDF:13.1/9

Left: 0.019+/-0.146 χ^2/NDF: 28.7/21

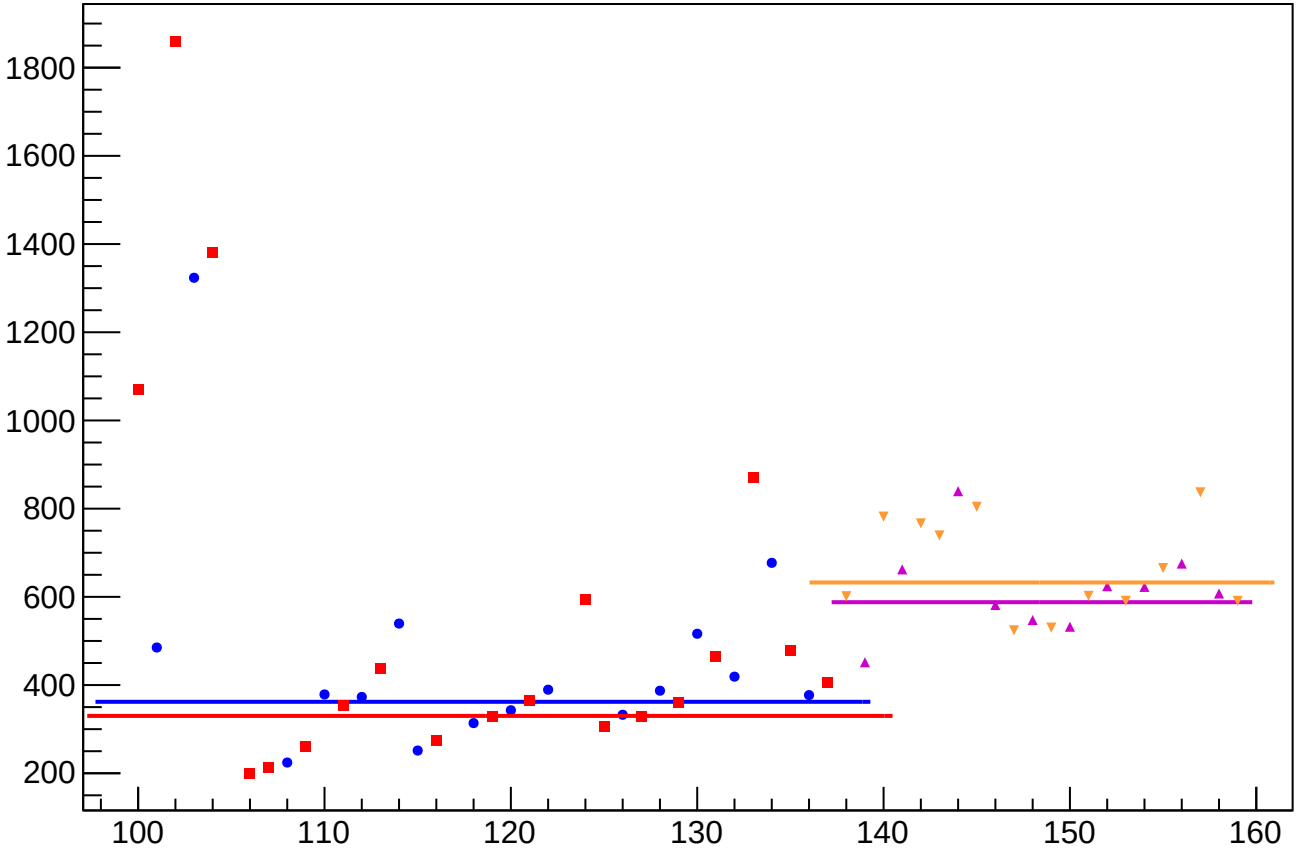
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.090+/-0.118 χ^2/NDF:22.8/25

Out: 0.162+/-0.115 χ^2/NDF:39.3/30

All: 0.039+/-0.082 χ^2/NDF: 64.4/56

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.587+/-0.148 χ^2/NDF:449847.4/11

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

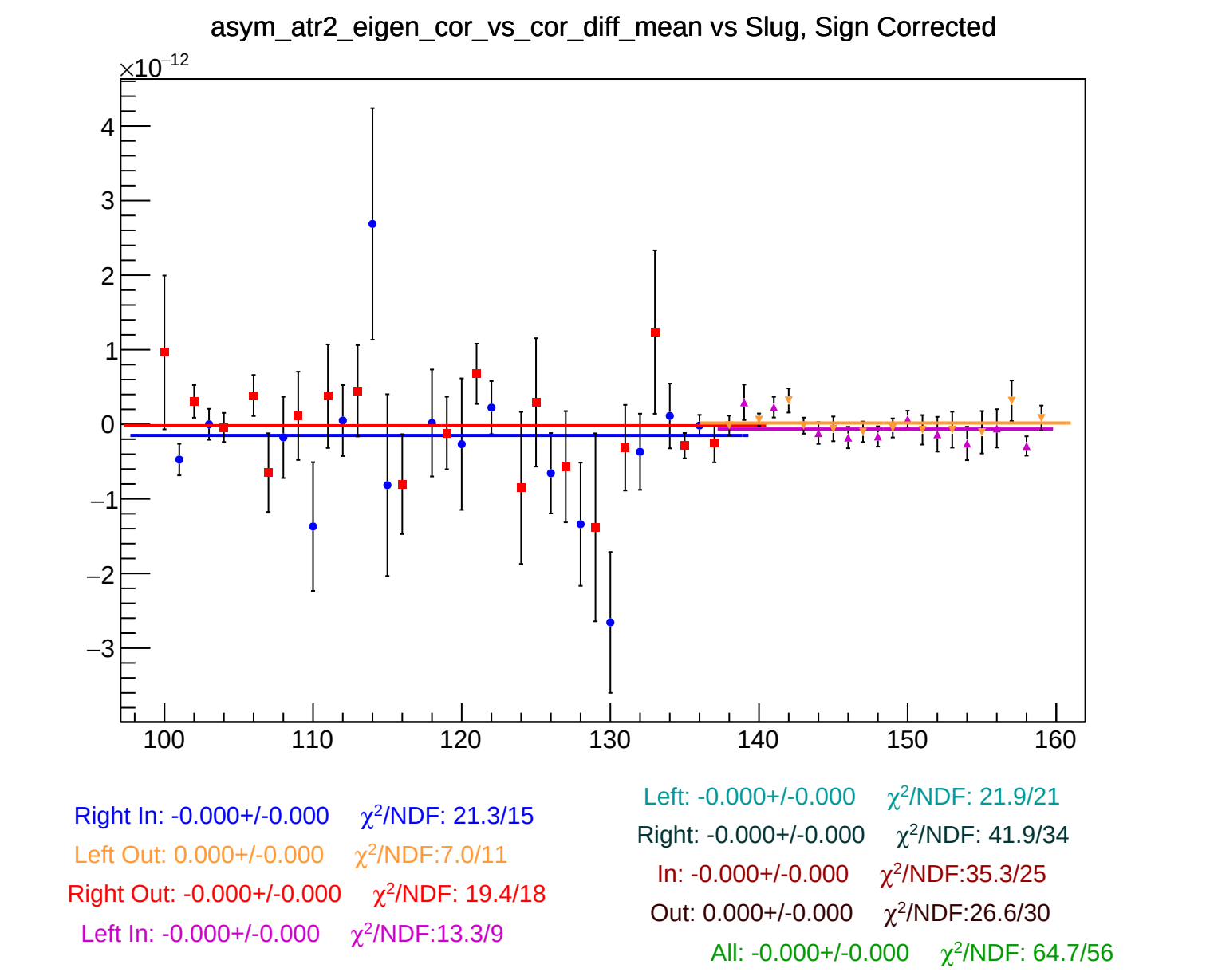
Left: 609.619+/-0.103 χ^2/NDF: 890434.6/21

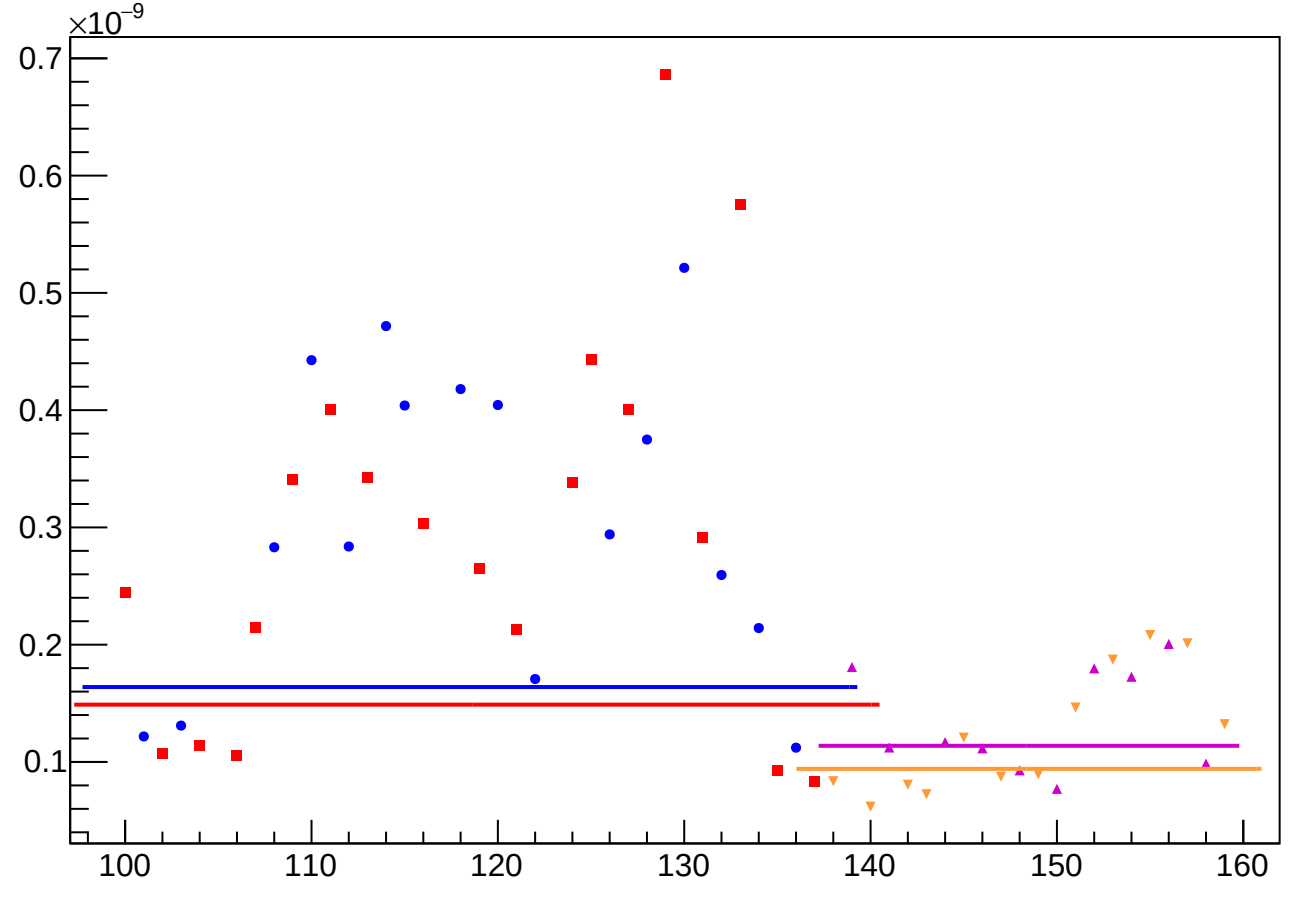
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 438.044+/-0.083 χ^2/NDF:3411417.2/25

Out: 421.349+/-0.081 χ^2/NDF:5620671.5/30

All: 429.479+/-0.058 χ^2/NDF: 9052679.0/56


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.0/11
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.3/9
Left: -0.000+/-0.000 χ²/NDF: 21.9/21
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:35.3/25
Out: 0.000+/-0.000 χ²/NDF:26.6/30
All: -0.000+/-0.000 χ²/NDF: 64.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1629177.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:971864.1/9

Left: 0.000+/-0.000 χ^2/NDF: 2786184.1/21

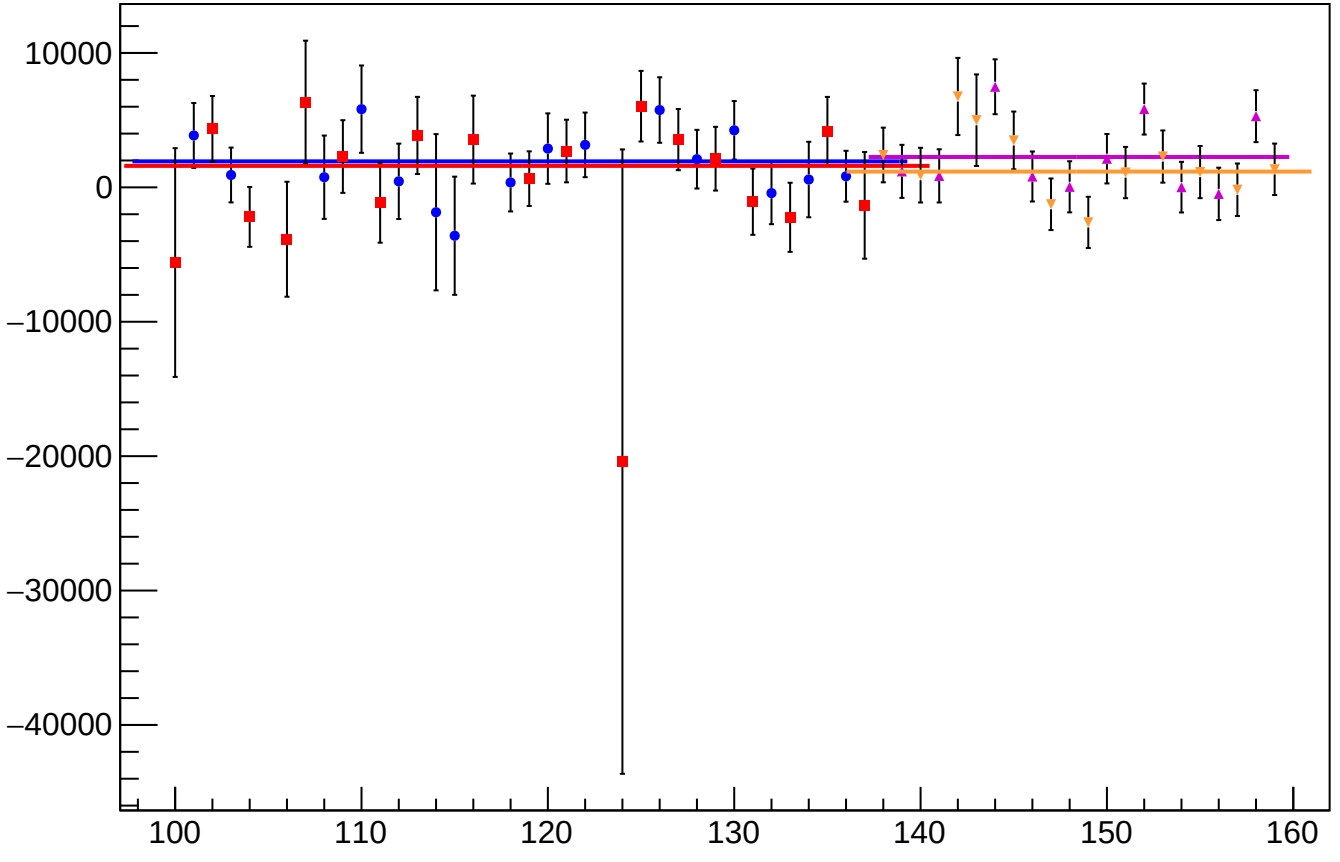
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3482088.0/25

Out: 0.000+/-0.000 χ^2/NDF:5163018.1/30

All: 0.000+/-0.000 χ^2/NDF: 8915363.4/56

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1173.722+/-598.103 χ^2/NDF:13.0/11

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2259.345+/-608.193 χ^2/NDF:18.7/9

Left: 1707.453+/-426.445 χ^2/NDF: 33.3/21

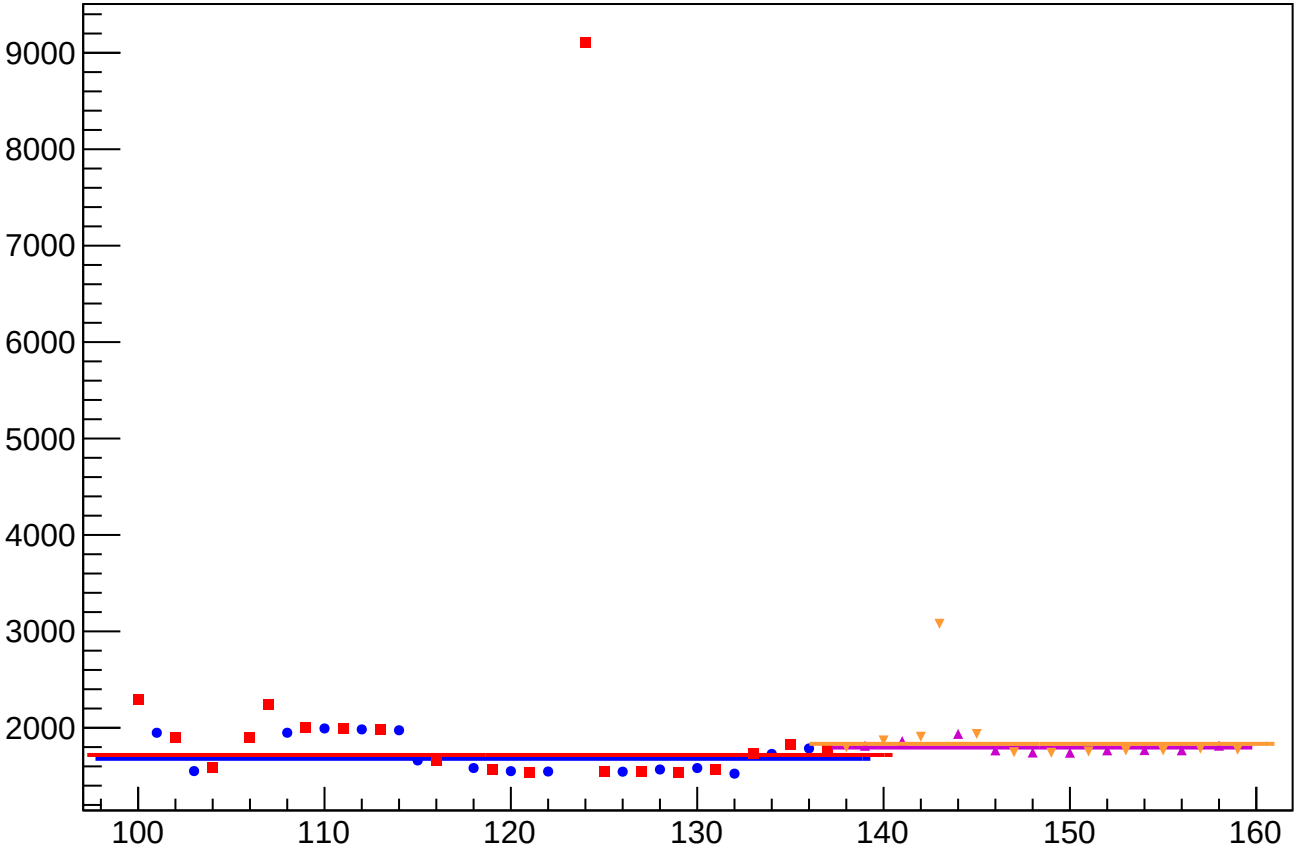
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2102.217+/-436.850 χ^2/NDF:29.7/25

Out: 1370.774+/-437.684 χ^2/NDF:32.6/30

All: 1737.194+/-309.194 χ^2/NDF: 63.7/56

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1833.819+/-0.423 χ^2/NDF:294657.2/11

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

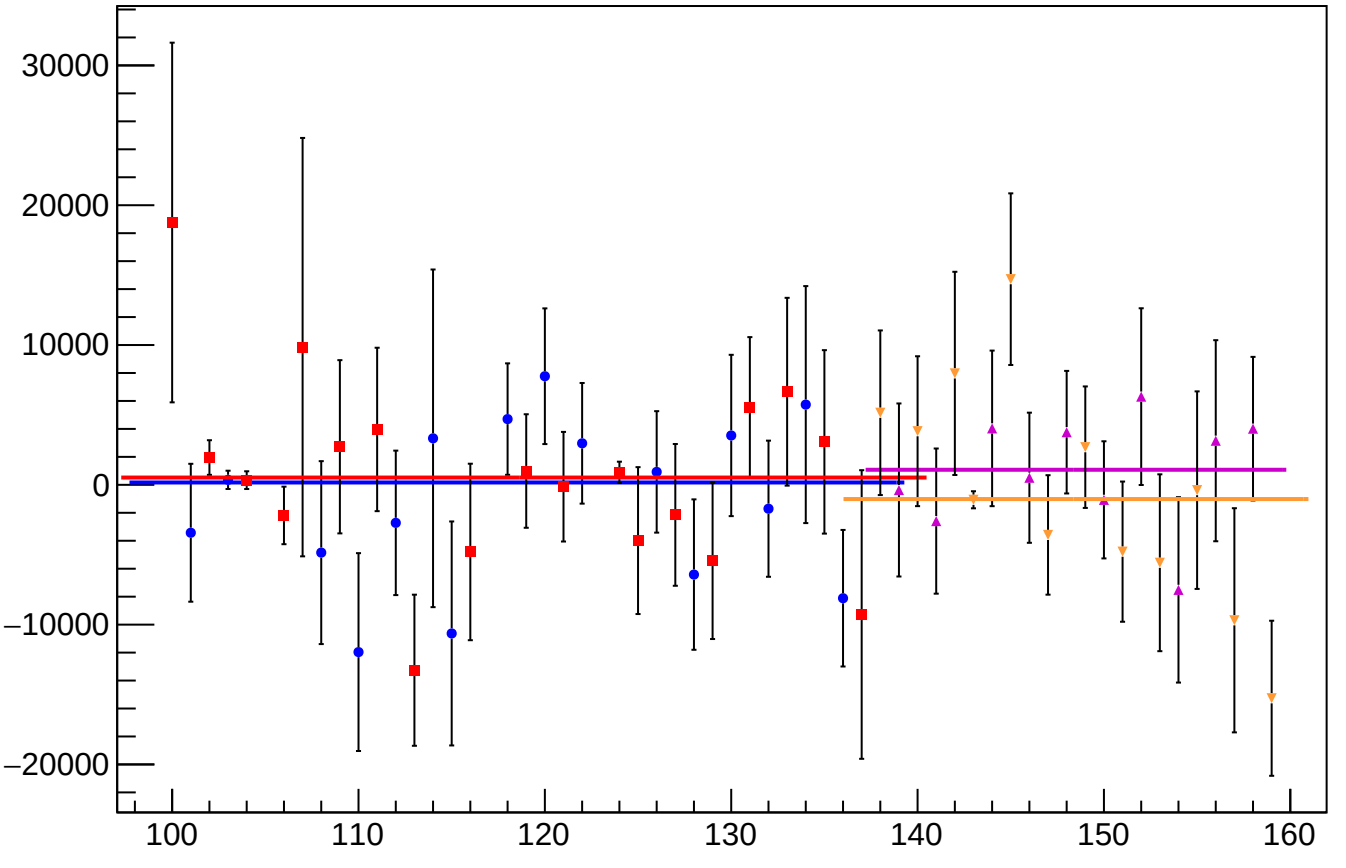
Left: 1814.921+/-0.302 χ^2/NDF: 315901.0/21

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1738.822+/-0.309 χ^2/NDF:194395.7/25

Out: 1779.895+/-0.309 χ^2/NDF:712659.2/30

All: 1759.365+/-0.218 χ^2/NDF: 915897.7/56



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1016.933+/-574.131 χ^2/NDF:20.0/11

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1077.326+/-1676.613 χ^2/NDF:4.3/9

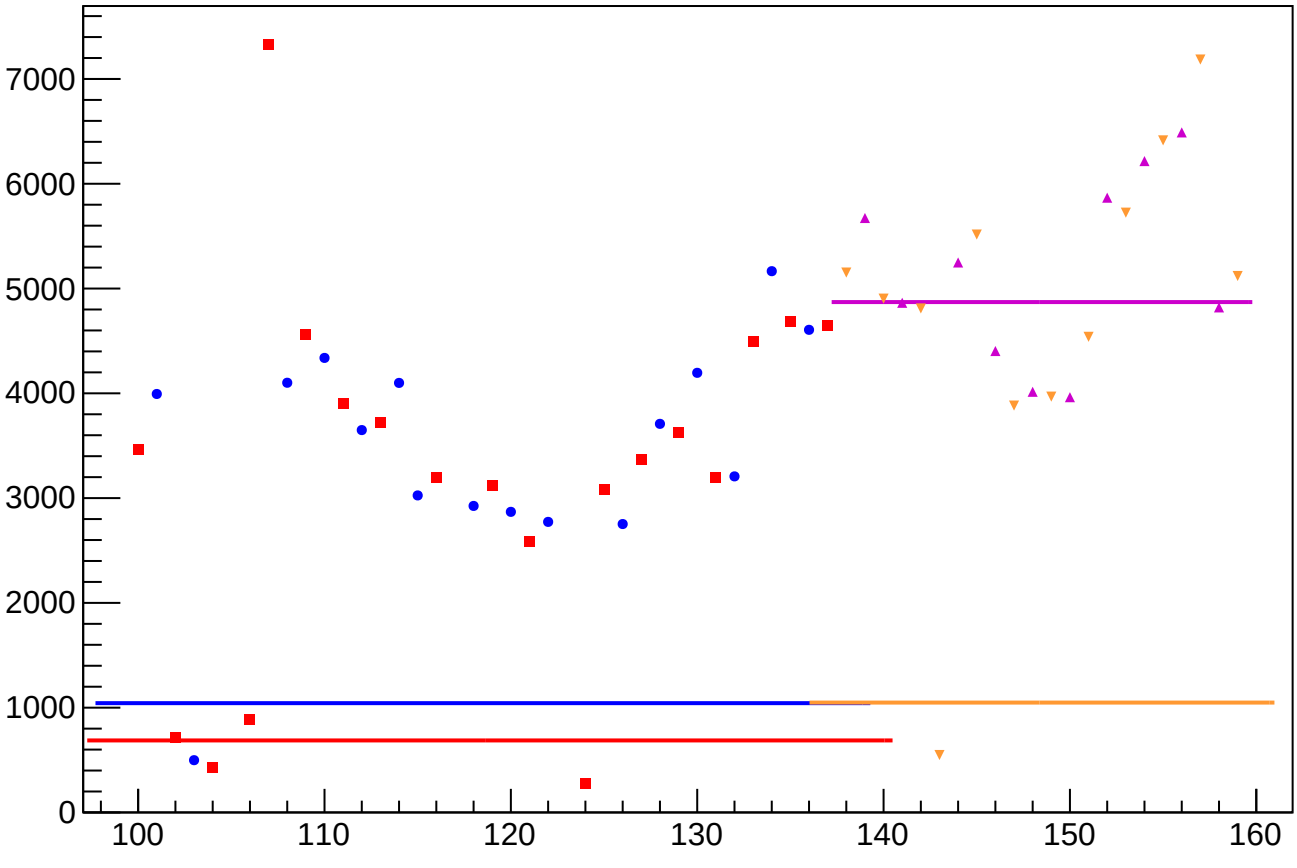
Left: -797.131+/-543.167 χ^2/NDF: 25.6/21

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 268.935+/-557.894 χ^2/NDF:20.4/25

Out: -23.005+/-341.479 χ^2/NDF:43.2/30

All: 56.561+/-291.252 χ^2/NDF: 63.7/56



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1048.632+/-0.406 χ^2/NDF:12193645.1/11

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4870.840+/-1.186 χ^2/NDF:466835.4/9

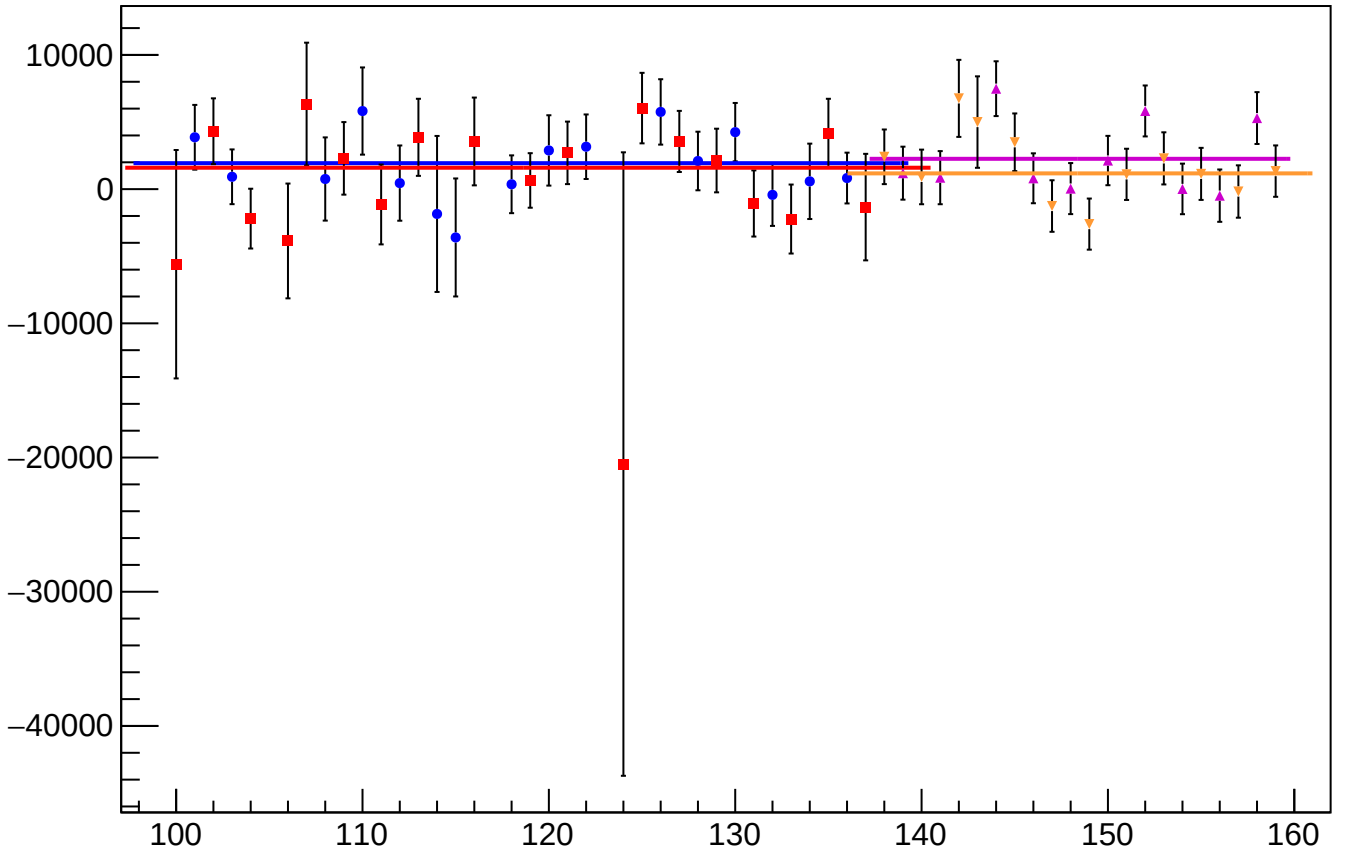
Left: 1449.790+/-0.384 χ^2/NDF: 21963798.6/21

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1466.934+/-0.394 χ^2/NDF:17848785.5/25

Out: 815.143+/-0.241 χ^2/NDF:21337027.2/30

All: 992.783+/-0.206 χ^2/NDF: 41171682.1/56



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1173.721+/-598.103 χ^2/NDF:13.0/11

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2259.524+/-608.193 χ^2/NDF:18.7/9

Left: 1707.540+/-426.445 χ^2/NDF: 33.3/21

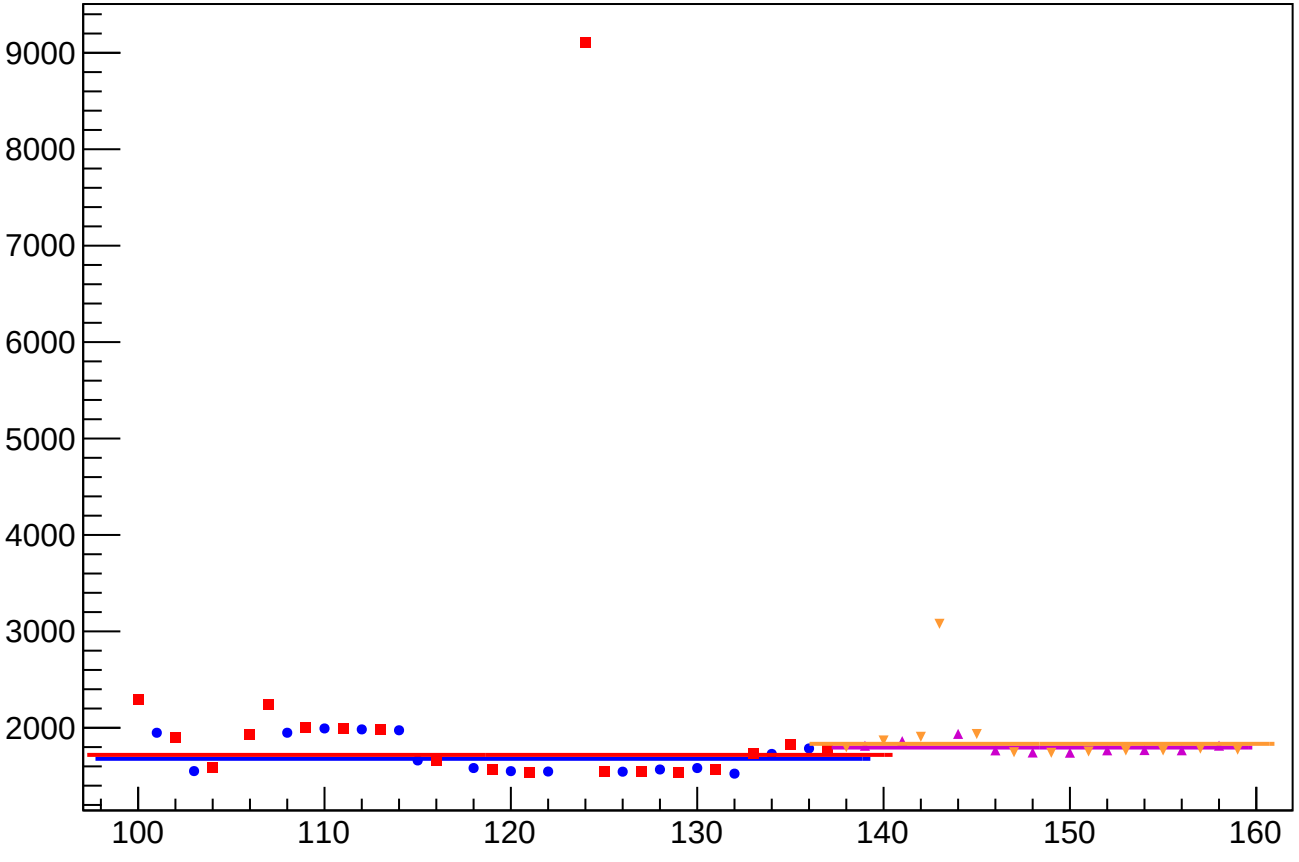
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2102.365+/-436.850 χ^2/NDF:29.7/25

Out: 1369.640+/-437.686 χ^2/NDF:32.6/30

All: 1736.703+/-309.195 χ^2/NDF: 63.7/56

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1833.819+/-0.423 χ^2/NDF:294657.2/11

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

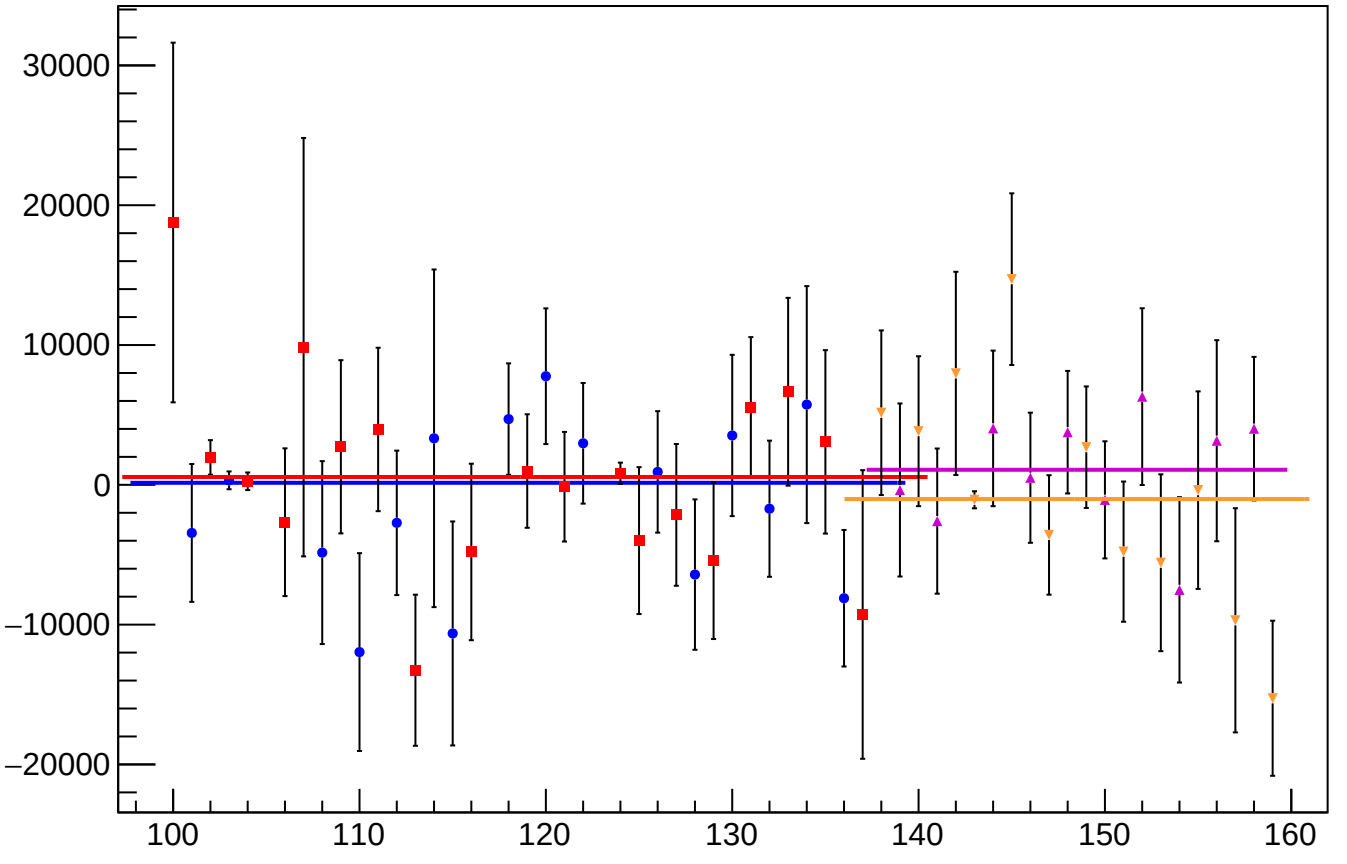
Left: 1814.922+/-0.302 χ^2/NDF: 315901.0/21

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1738.822+/-0.309 χ^2/NDF:194395.9/25

Out: 1780.313+/-0.309 χ^2/NDF:713883.0/30

All: 1759.569+/-0.218 χ^2/NDF: 917300.4/56



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1016.582+/-574.110 χ^2/NDF:20.0/11

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1077.461+/-1676.611 χ^2/NDF:4.3/9

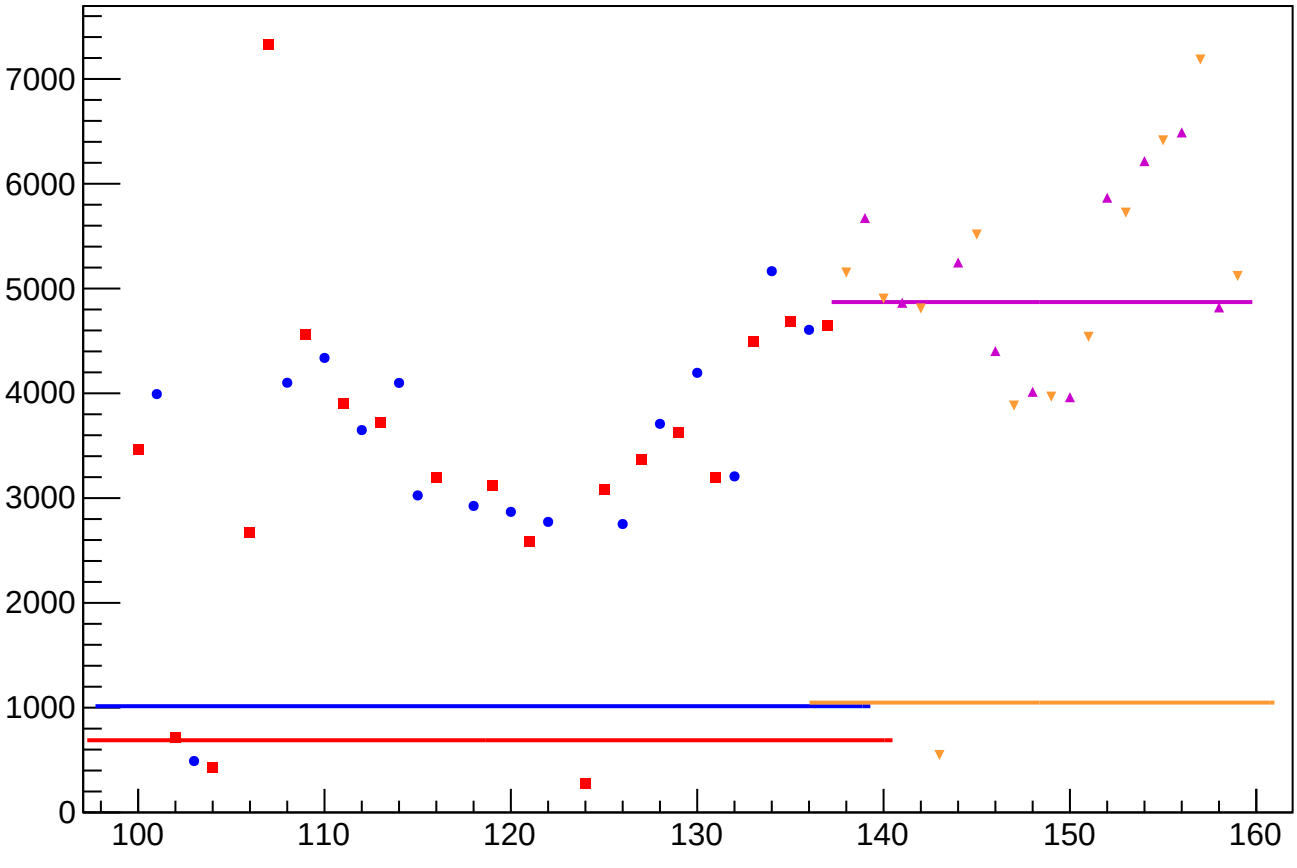
Left: -796.817+/-543.149 χ^2/NDF: 25.6/21

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 245.848+/-547.585 χ^2/NDF:20.4/25

Out: -6.704+/-344.486 χ^2/NDF:42.0/30

All: 64.906+/-291.585 χ^2/NDF: 62.5/56



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1048.576+/-0.406 χ^2/NDF:12193882.4/11

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

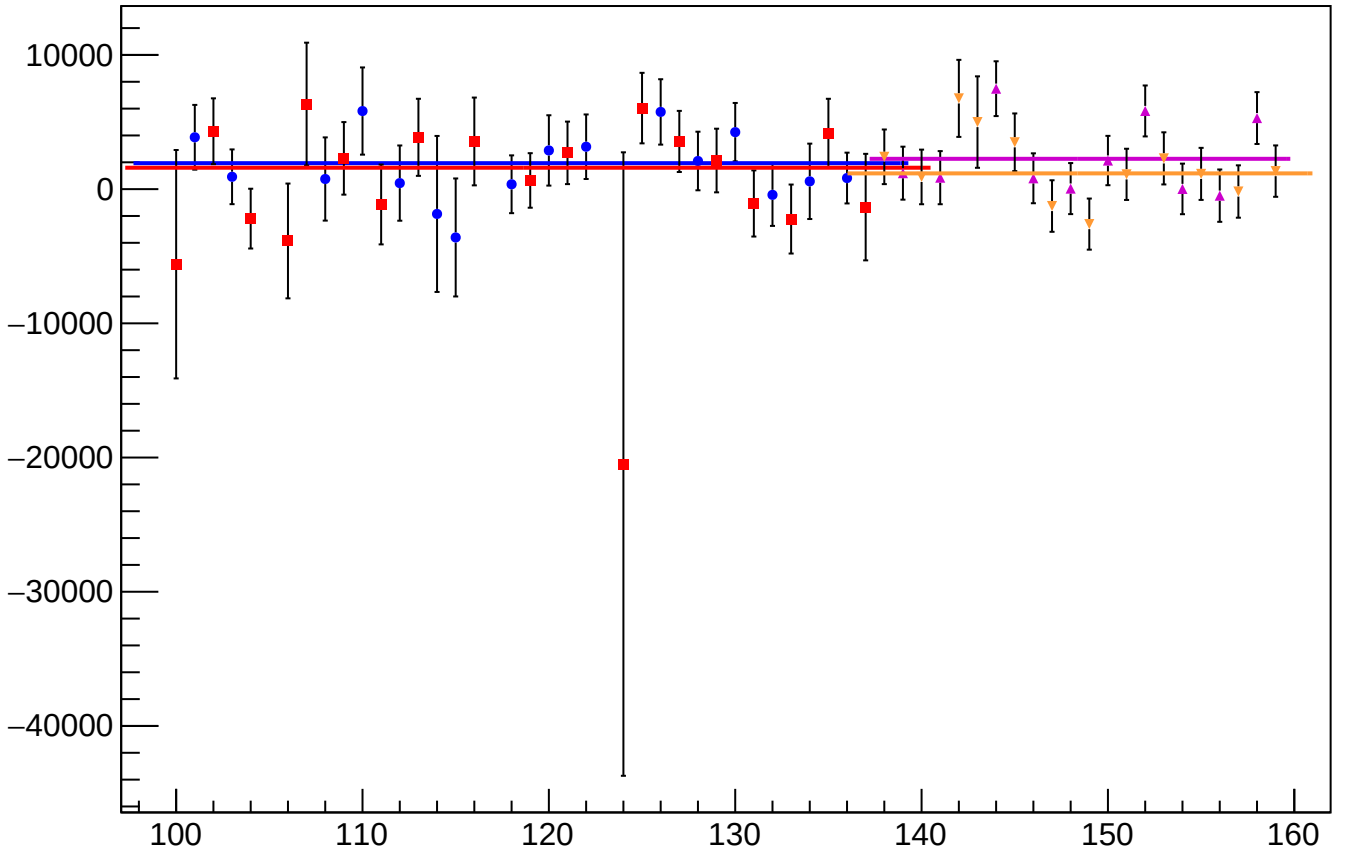
Left: 1449.713+/-0.384 χ^2/NDF: 21964374.2/21

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1425.489+/-0.387 χ^2/NDF:18143909.9/25

Out: 818.497+/-0.244 χ^2/NDF:21606173.8/30

All: 990.609+/-0.206 χ^2/NDF: 41510761.3/56



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1173.721+/-598.103 χ^2/NDF:13.0/11

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2259.524+/-608.193 χ^2/NDF:18.7/9

Left: 1707.540+/-426.445 χ^2/NDF: 33.3/21

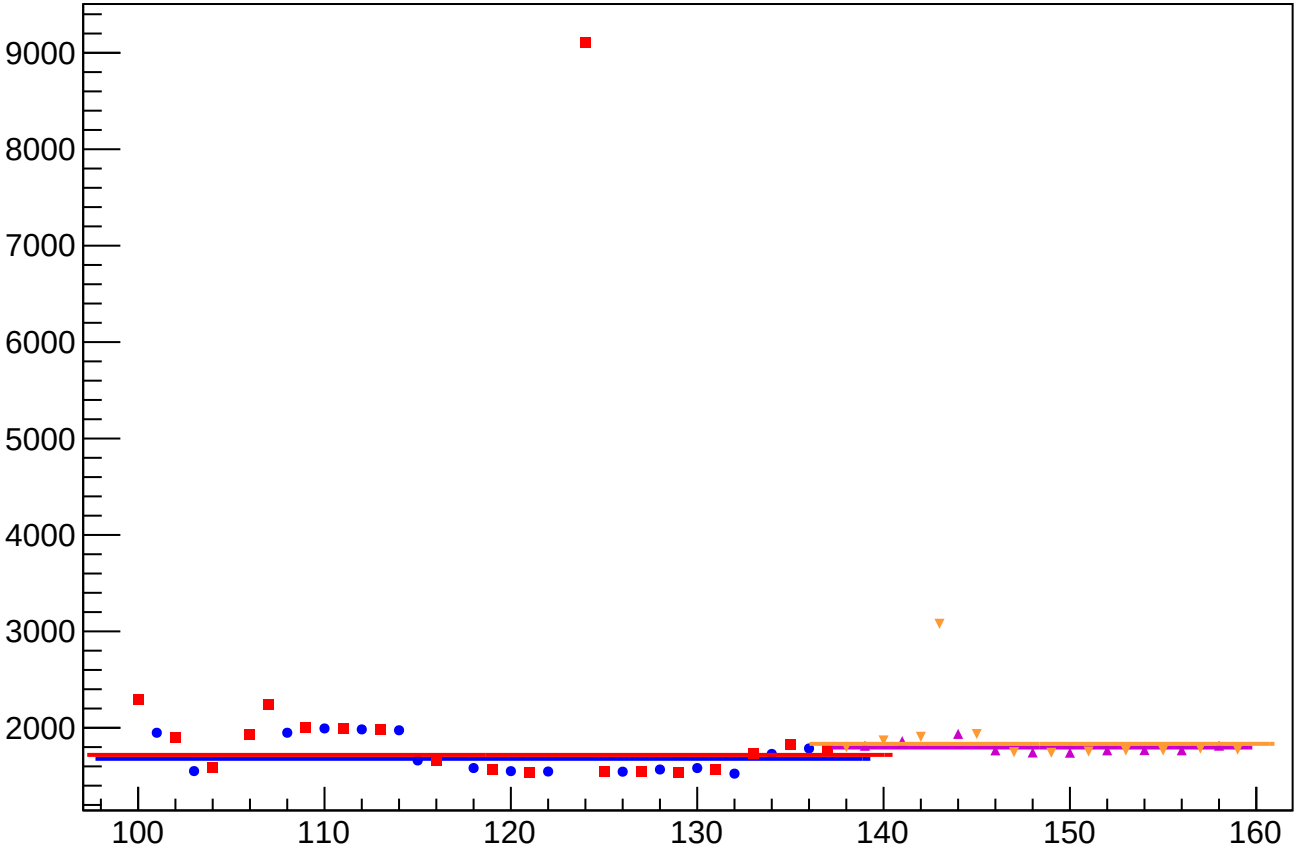
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2102.365+/-436.850 χ^2/NDF:29.7/25

Out: 1369.640+/-437.686 χ^2/NDF:32.6/30

All: 1736.703+/-309.195 χ^2/NDF: 63.7/56

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1833.819+/-0.423 χ^2/NDF:294657.2/11

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

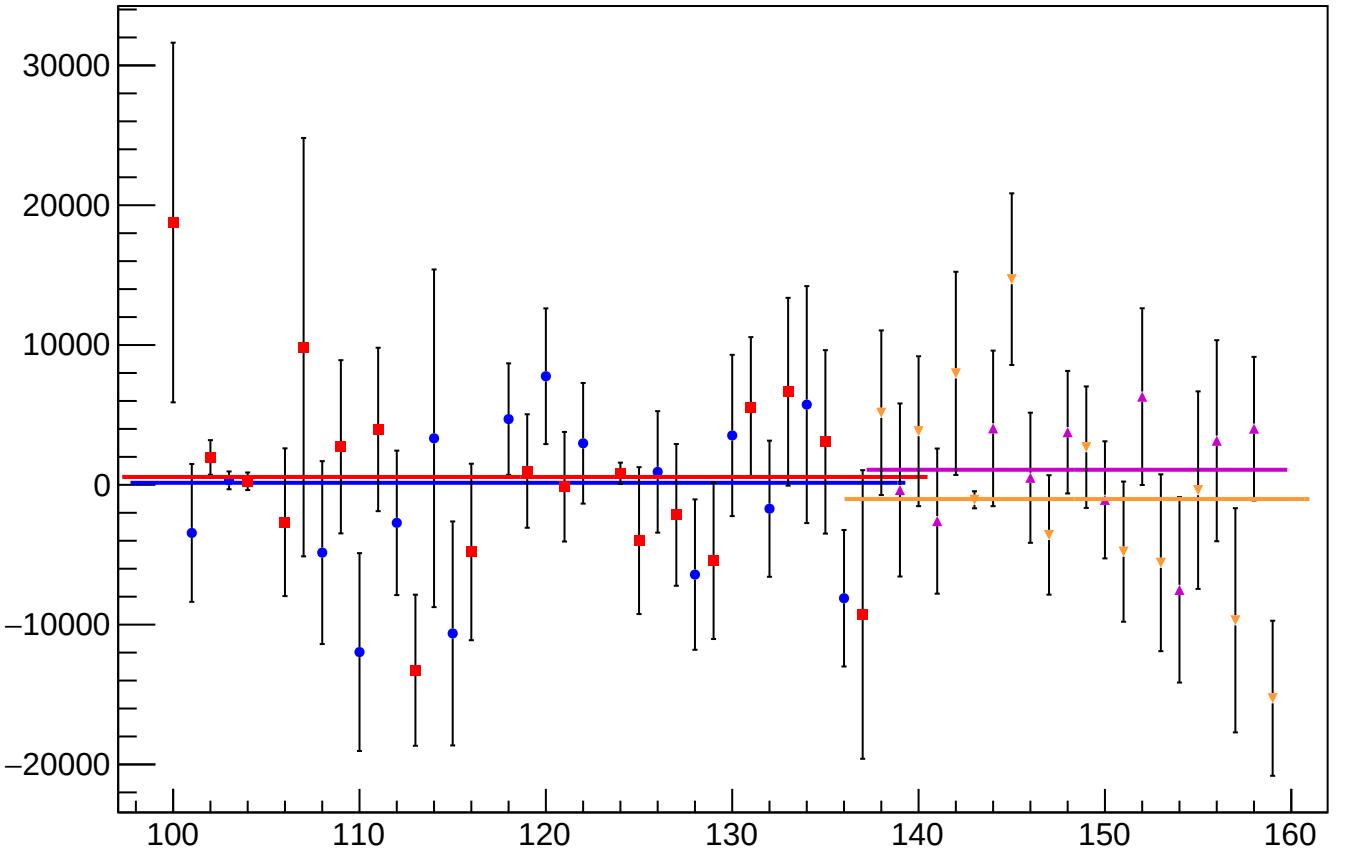
Left: 1814.922+/-0.302 χ^2/NDF: 315901.0/21

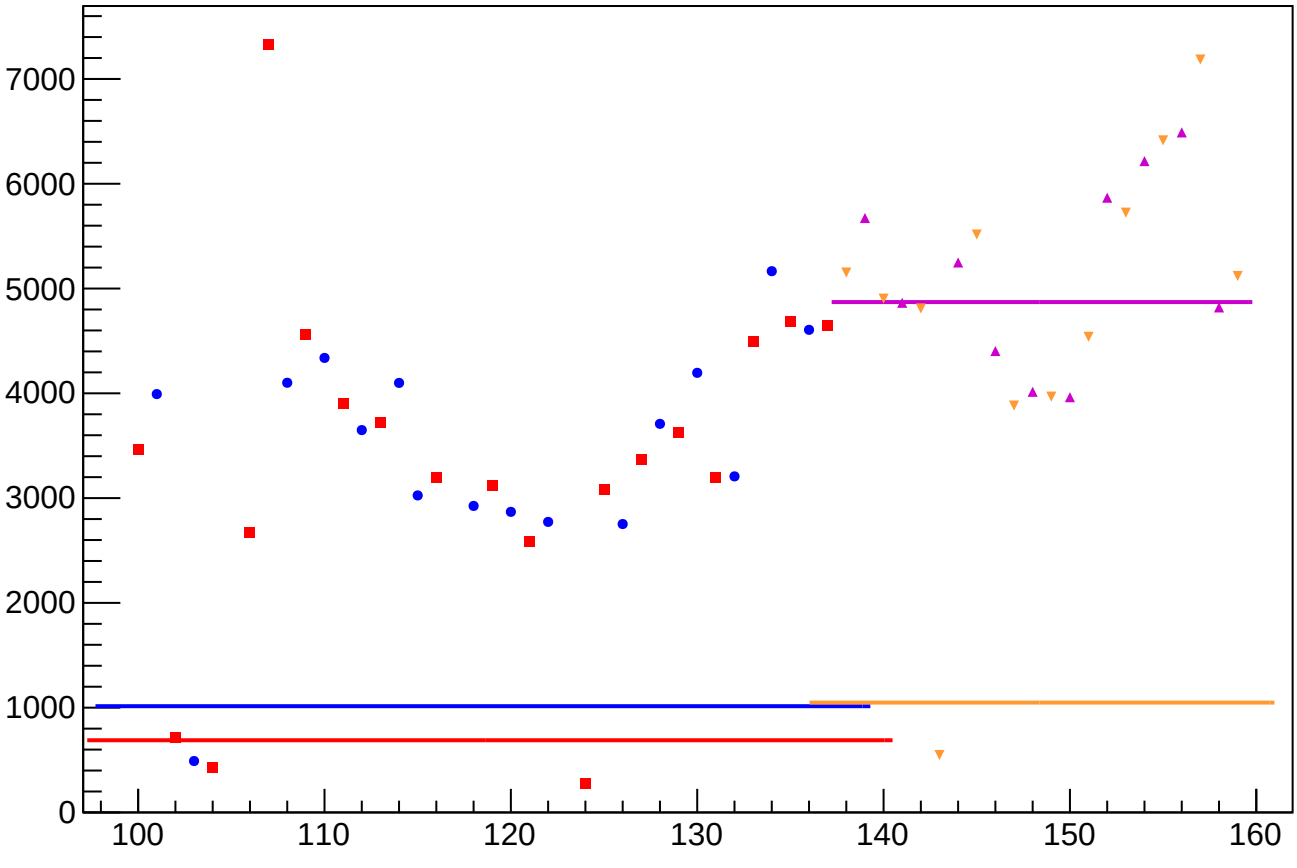
Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1738.822+/-0.309 χ^2/NDF:194395.9/25

Out: 1780.313+/-0.309 χ^2/NDF:713883.0/30

All: 1759.569+/-0.218 χ^2/NDF: 917300.4/56


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: -1016.582+/-574.110 χ²/NDF:20.0/11
Right Out: 561.454+/-430.621 χ²/NDF: 17.2/18
Left In: 1077.461+/-1676.611 χ²/NDF:4.3/9
Left: -796.817+/-543.149 χ²/NDF: 25.6/21
Right: 413.806+/-345.609 χ²/NDF: 33.3/34
In: 245.848+/-547.585 χ²/NDF:20.4/25
Out: -6.704+/-344.486 χ²/NDF:42.0/30
All: 64.906+/-291.585 χ²/NDF: 62.5/56



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1048.576+/-0.406 χ^2/NDF:12193882.4/11

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

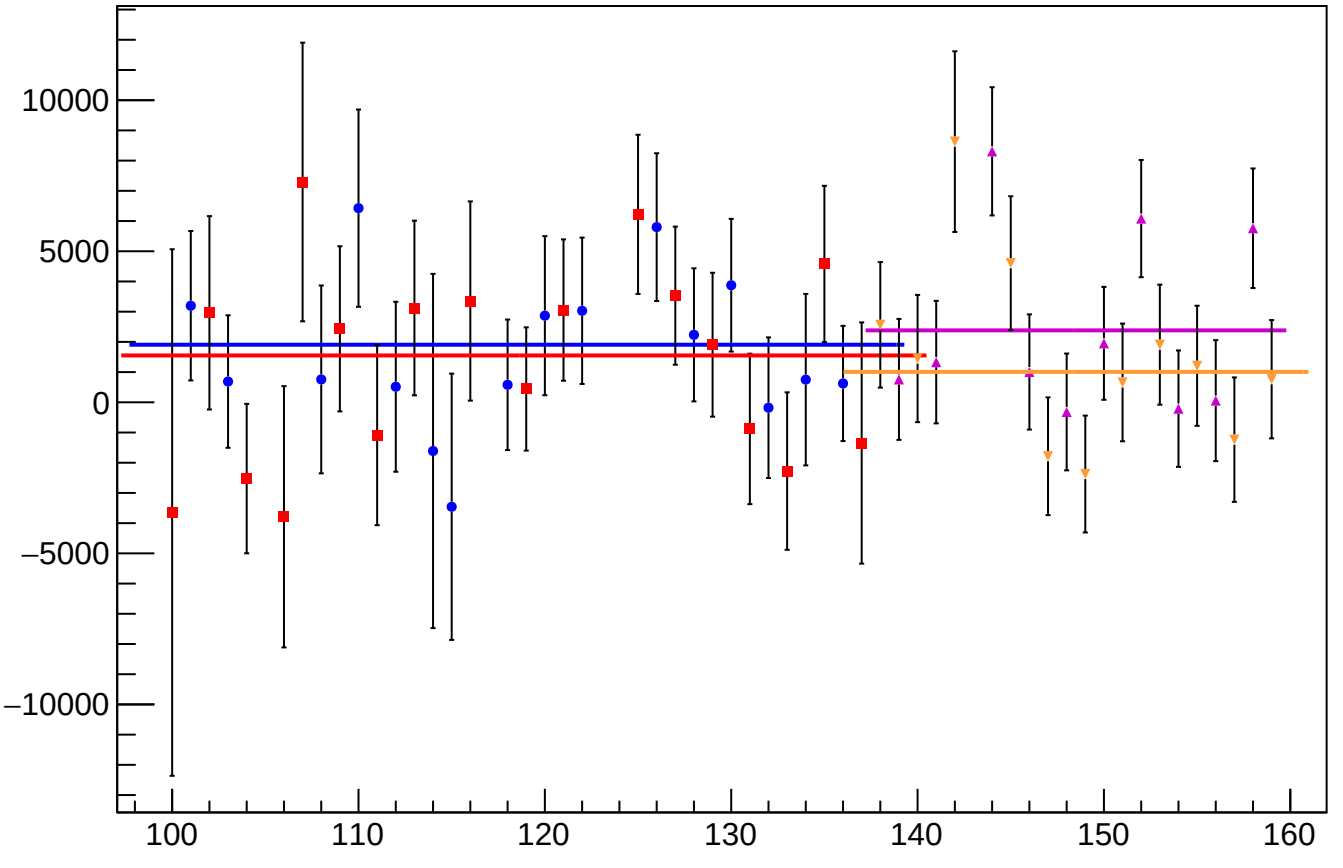
Left: 1449.713+/-0.384 χ^2/NDF: 21964374.2/21

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1425.489+/-0.387 χ^2/NDF:18143909.9/25

Out: 818.497+/-0.244 χ^2/NDF:21606173.8/30

All: 990.609+/-0.206 χ^2/NDF: 41510761.3/56



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1007.289+/-623.793 χ^2/NDF:16.3/10

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2380.954+/-622.152 χ^2/NDF:21.0/9

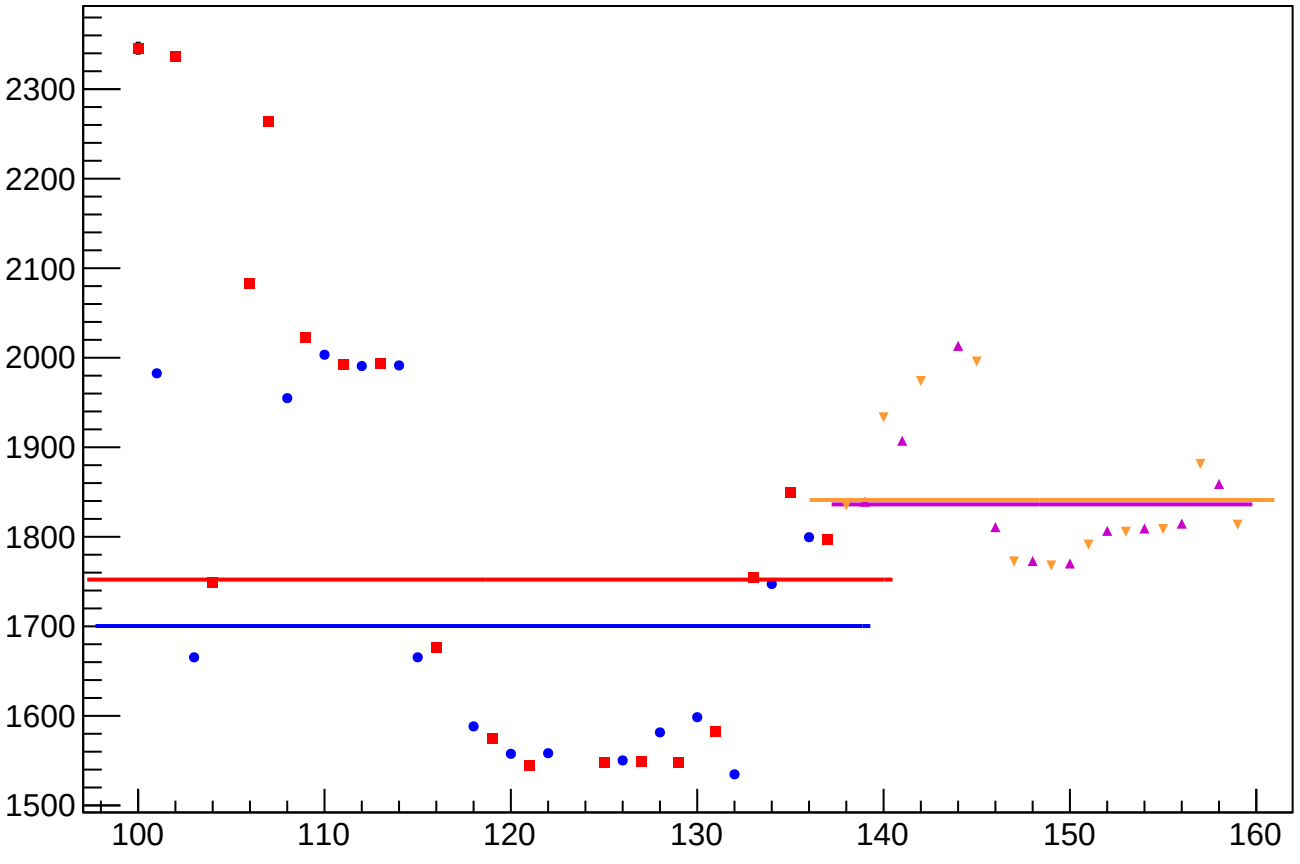
Left: 1695.932+/-440.507 χ^2/NDF: 39.7/20

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2148.966+/-444.891 χ^2/NDF:31.5/25

Out: 1263.384+/-453.689 χ^2/NDF:34.1/28

All: 1714.845+/-317.650 χ^2/NDF: 67.5/54



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1841.137+/-0.441 χ^2/NDF:26529.8/10

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1836.188+/-0.440 χ^2/NDF:22729.6/9

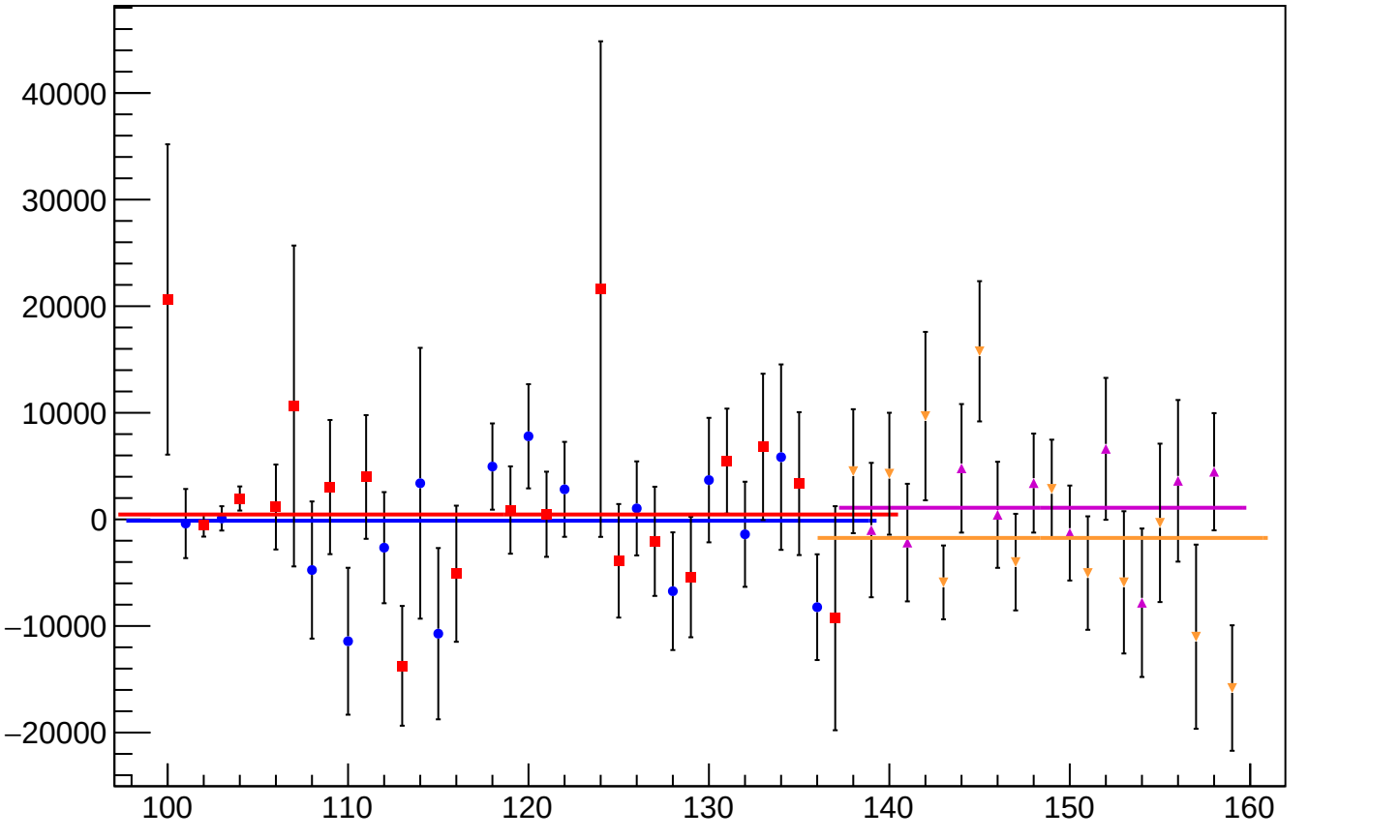
Left: 1838.656+/-0.311 χ^2/NDF: 49322.5/20

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1769.814+/-0.315 χ^2/NDF:204732.6/25

Out: 1799.163+/-0.320 χ^2/NDF:293661.5/28

All: 1784.217+/-0.224 χ^2/NDF: 502665.6/54



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1739.758+/-1588.305 χ^2/NDF:21.8/11

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1089.846+/-1777.975 χ^2/NDF:4.2/9

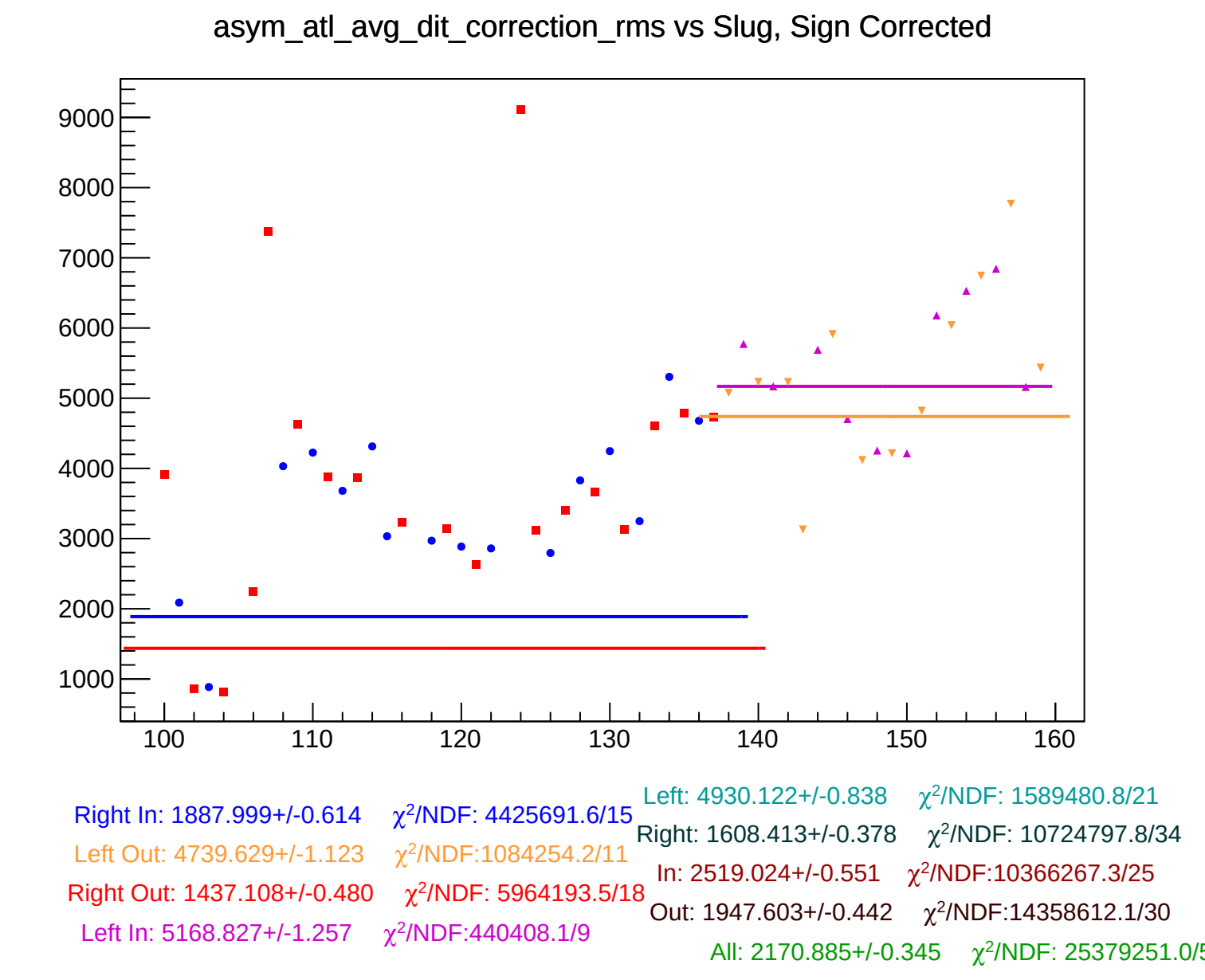
Left: -483.883+/-1184.503 χ^2/NDF: 27.4/21

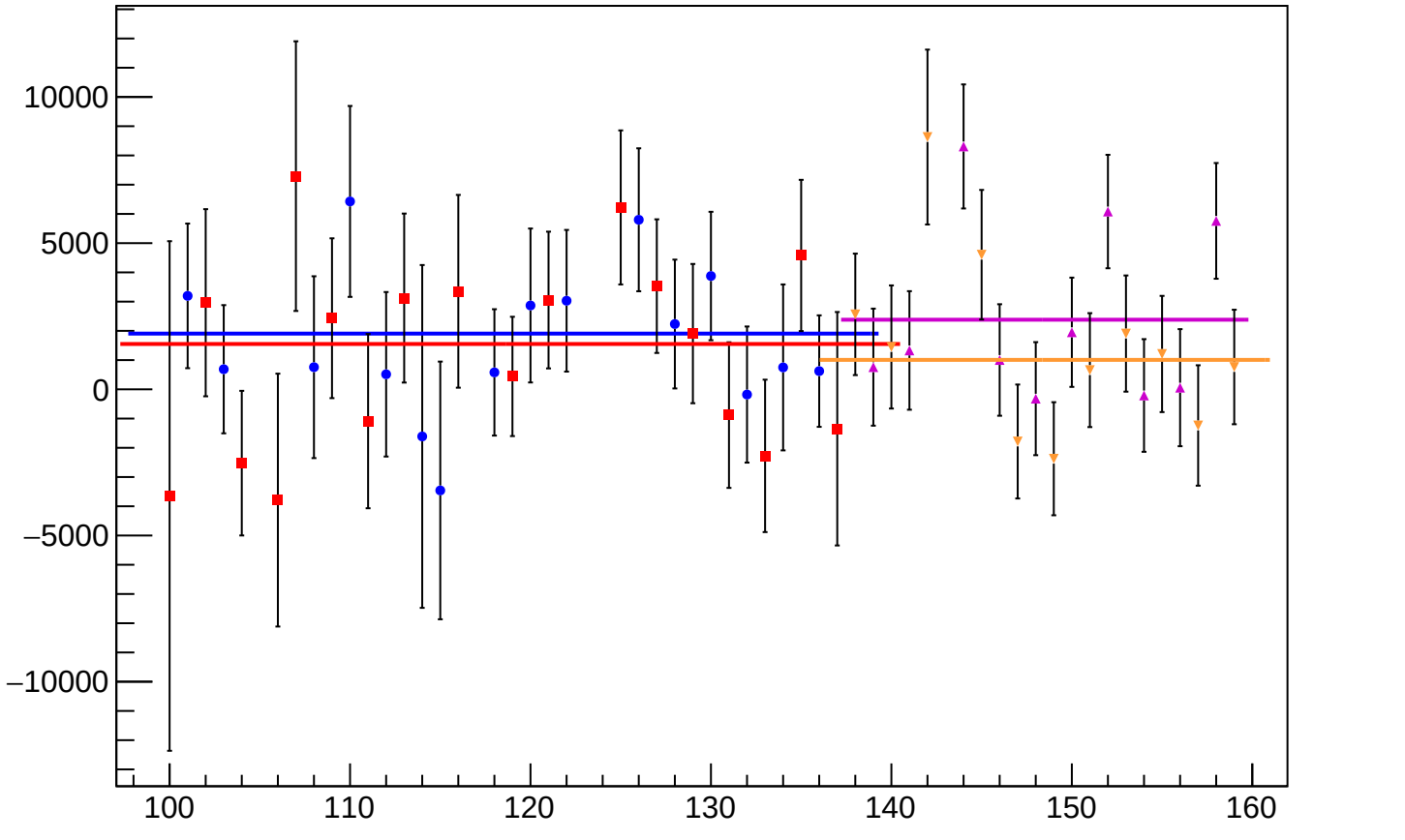
Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 108.282+/-779.753 χ^2/NDF:19.7/25

Out: 119.486+/-624.463 χ^2/NDF:41.9/30

All: 115.108+/-487.422 χ^2/NDF: 61.6/56


asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1887.999+/-0.614 χ²/NDF: 4425691.6/15
Left Out: 4739.629+/-1.123 χ²/NDF:1084254.2/11
Right Out: 1437.108+/-0.480 χ²/NDF: 5964193.5/18
Left In: 5168.827+/-1.257 χ²/NDF:440408.1/9
Left: 4930.122+/-0.838 χ²/NDF: 1589480.8/21
Right: 1608.413+/-0.378 χ²/NDF: 10724797.8/34
In: 2519.024+/-0.551 χ²/NDF:10366267.3/25
Out: 1947.603+/-0.442 χ²/NDF:14358612.1/30
All: 2170.885+/-0.345 χ²/NDF: 25379251.0/5



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1007.288+/-623.794 χ^2/NDF:16.3/10

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2380.957+/-622.152 χ^2/NDF:21.0/9

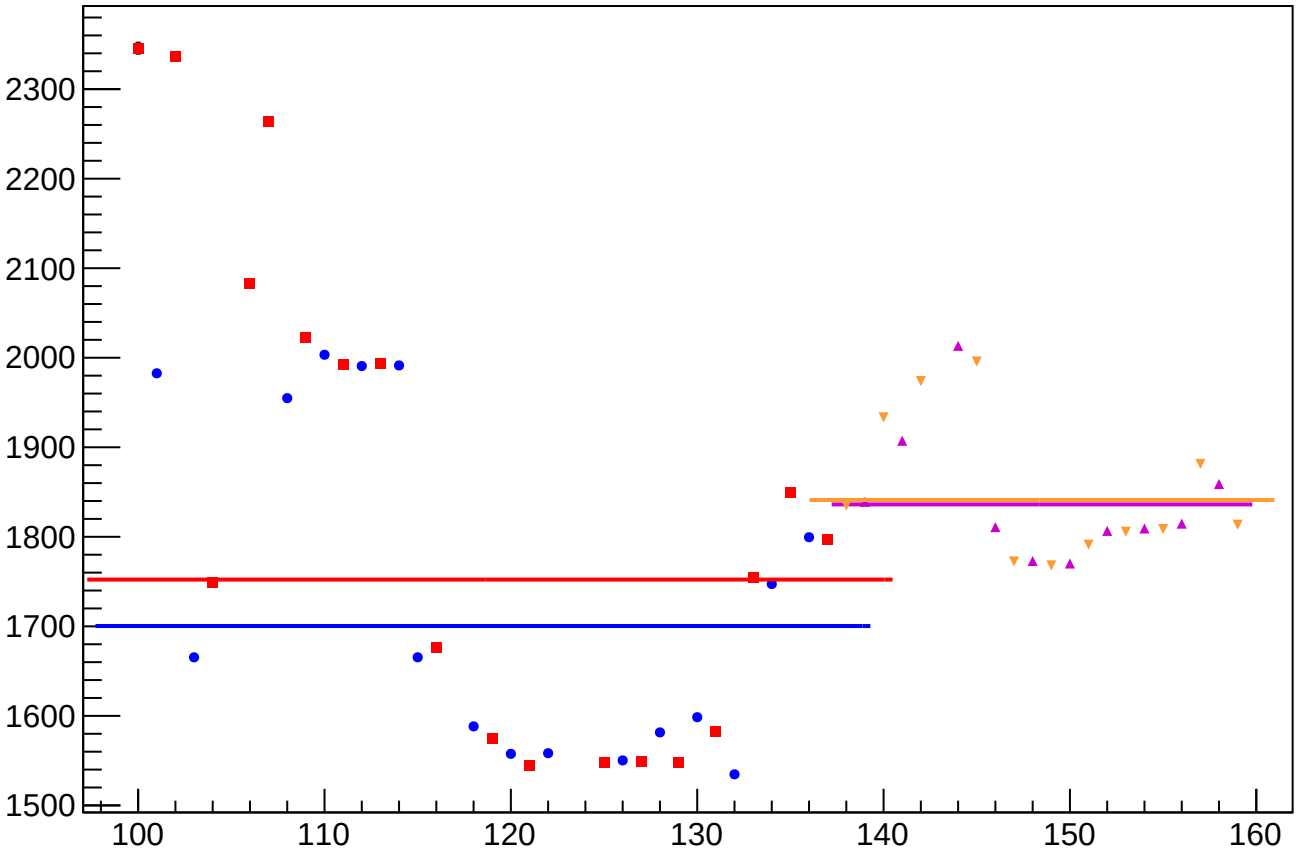
Left: 1695.932+/-440.507 χ^2/NDF: 39.7/20

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2148.967+/-444.891 χ^2/NDF:31.5/25

Out: 1263.382+/-453.689 χ^2/NDF:34.1/28

All: 1714.844+/-317.651 χ^2/NDF: 67.5/54



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1841.138+/-0.441 χ^2/NDF:26530.3/10

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1836.189+/-0.440 χ^2/NDF:22729.9/9

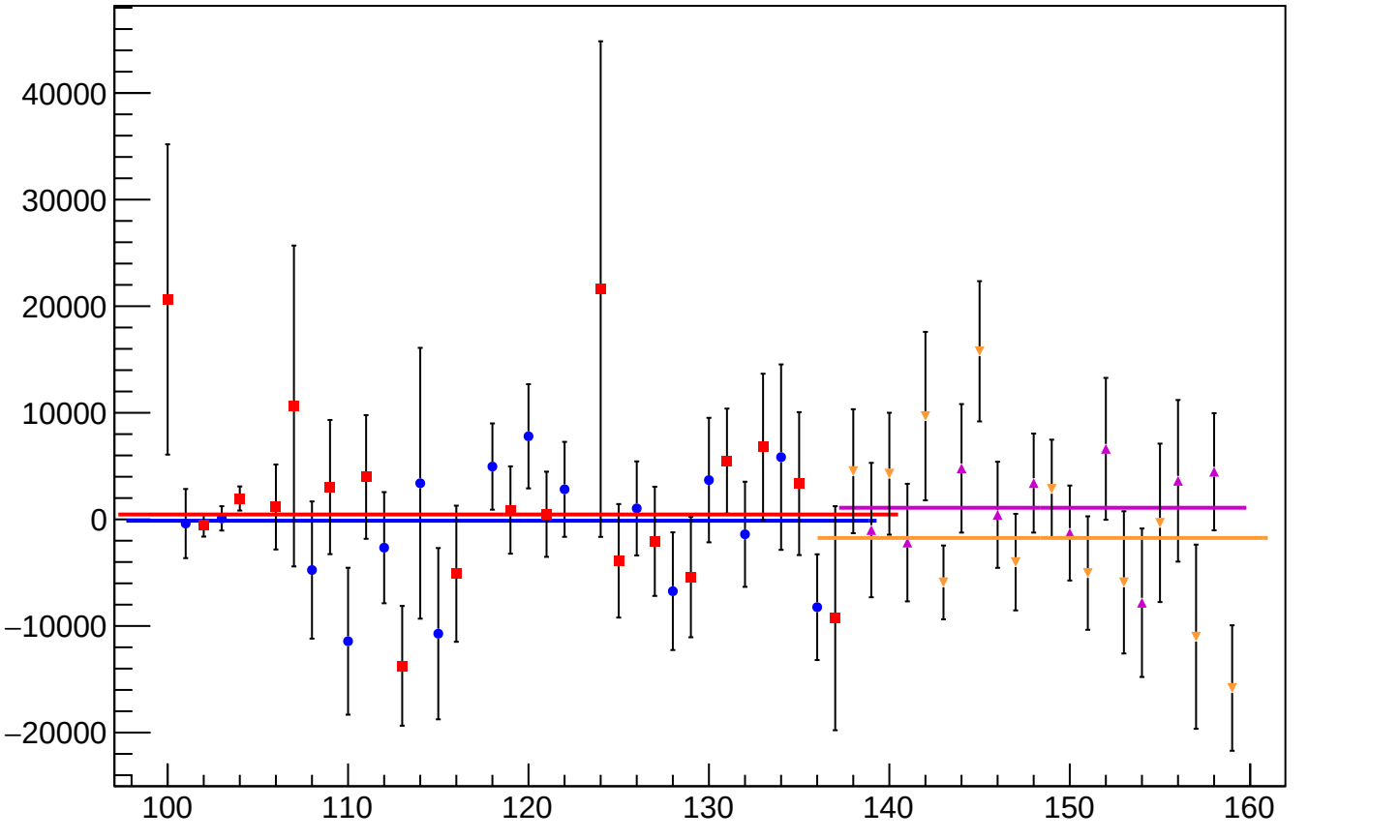
Left: 1838.657+/-0.311 χ^2/NDF: 49323.3/20

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1769.814+/-0.315 χ^2/NDF:204734.2/25

Out: 1799.163+/-0.320 χ^2/NDF:293662.3/28

All: 1784.217+/-0.224 χ^2/NDF: 502667.9/54



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1739.765+/-1588.307 χ^2/NDF:21.8/11

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1089.849+/-1777.977 χ^2/NDF:4.2/9

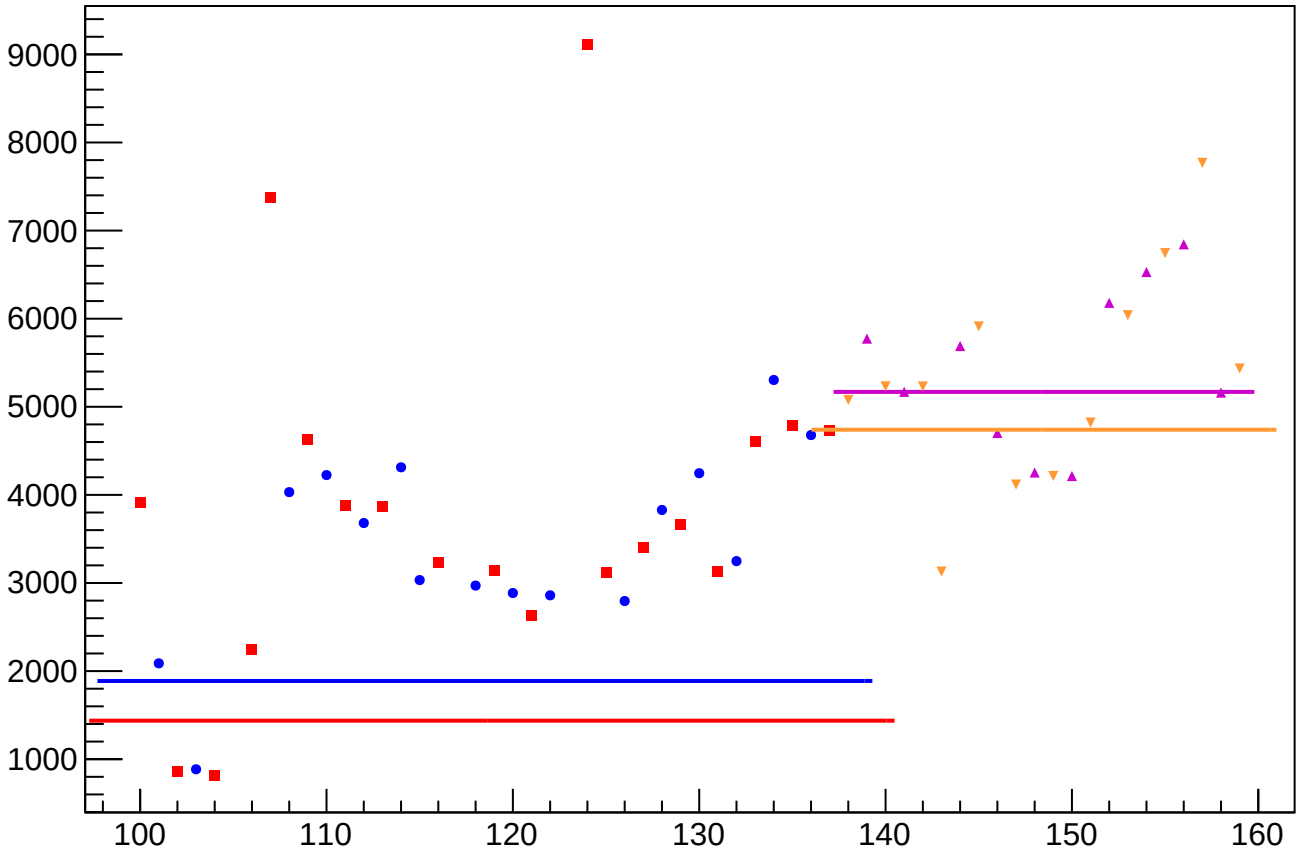
Left: -483.885+/-1184.504 χ^2/NDF: 27.4/21

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 108.283+/-779.749 χ^2/NDF:19.7/25

Out: 119.489+/-624.460 χ^2/NDF:41.9/30

All: 115.110+/-487.420 χ^2/NDF: 61.6/56



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4739.633+/-1.123 χ^2/NDF:1084260.8/11

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5168.833+/-1.257 χ^2/NDF:440411.3/9

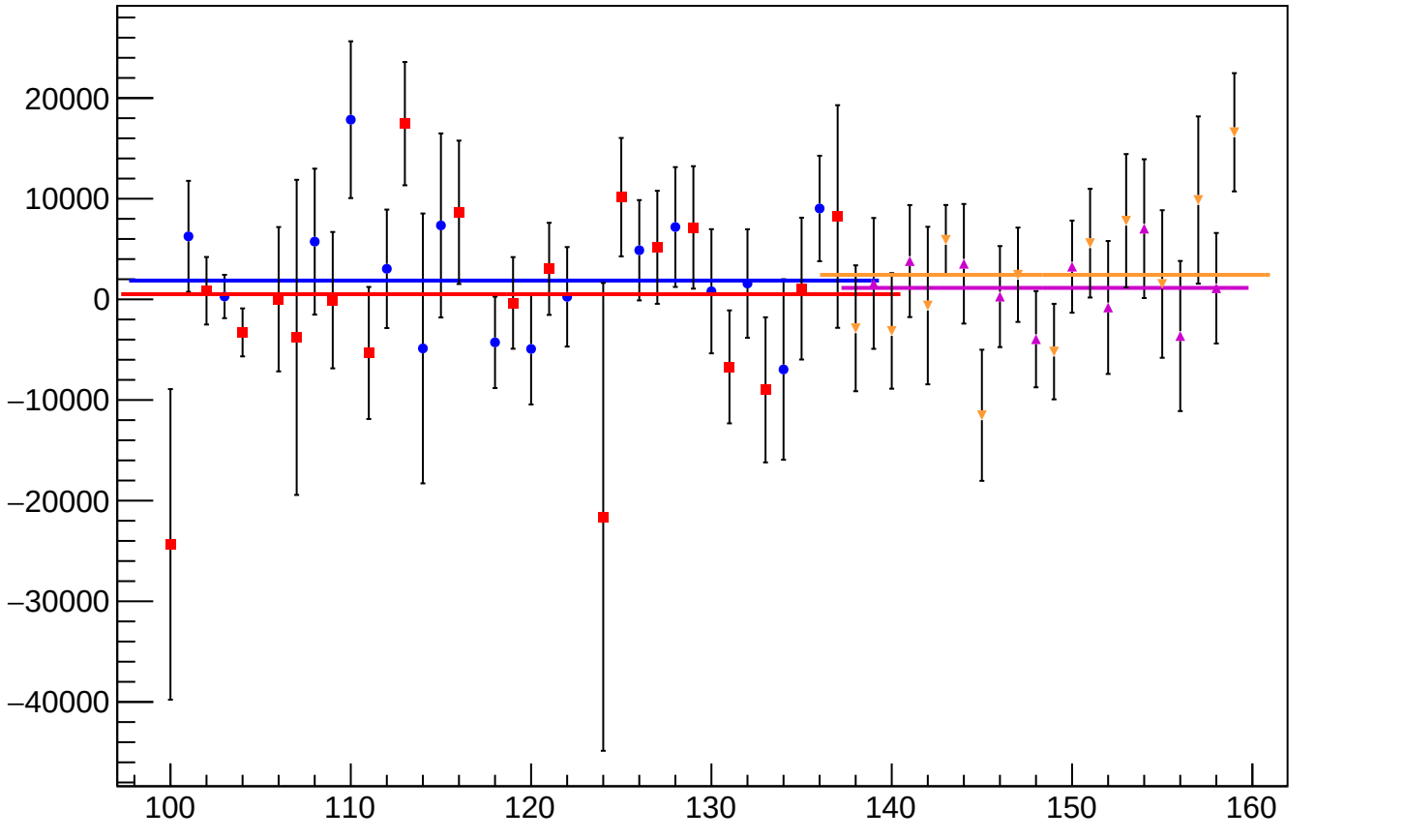
Left: 4930.127+/-0.838 χ^2/NDF: 1589490.9/21

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2519.004+/-0.551 χ^2/NDF:10366385.9/25

Out: 1947.585+/-0.442 χ^2/NDF:14358735.5/30

All: 2170.865+/-0.345 χ^2/NDF: 25379495.8/5



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2435.223+/-1605.071 χ^2/NDF:17.6/11

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1139.066+/-1794.572 χ^2/NDF:3.0/9

Left: 1859.170+/-1196.364 χ^2/NDF: 20.9/21

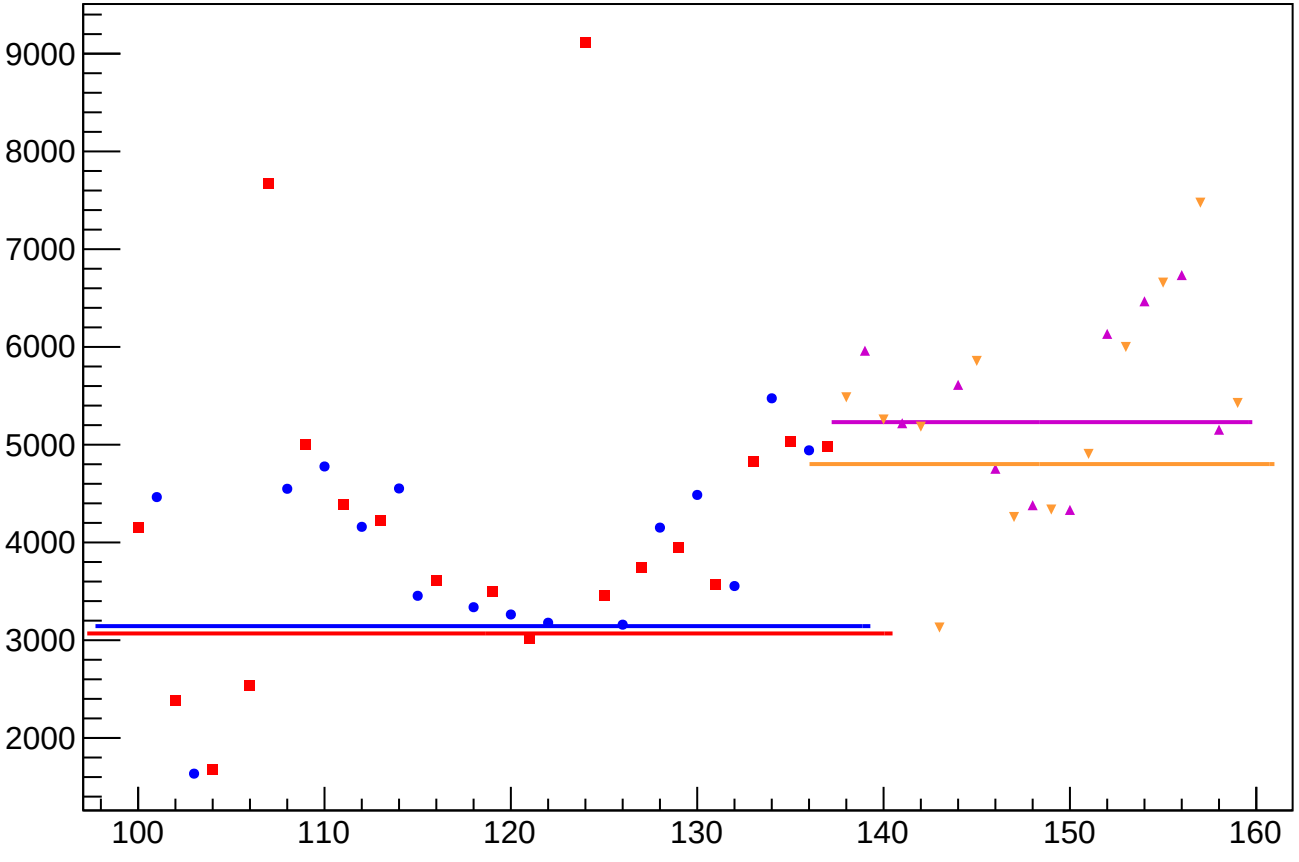
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1626.593+/-1030.760 χ^2/NDF:16.9/25

Out: 1232.256+/-982.026 χ^2/NDF:43.2/30

All: 1419.882+/-711.002 χ^2/NDF: 60.2/56

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4801.784+/-1.135 χ^2/NDF:1029627.4/11

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5230.831+/-1.269 χ^2/NDF:375045.5/9

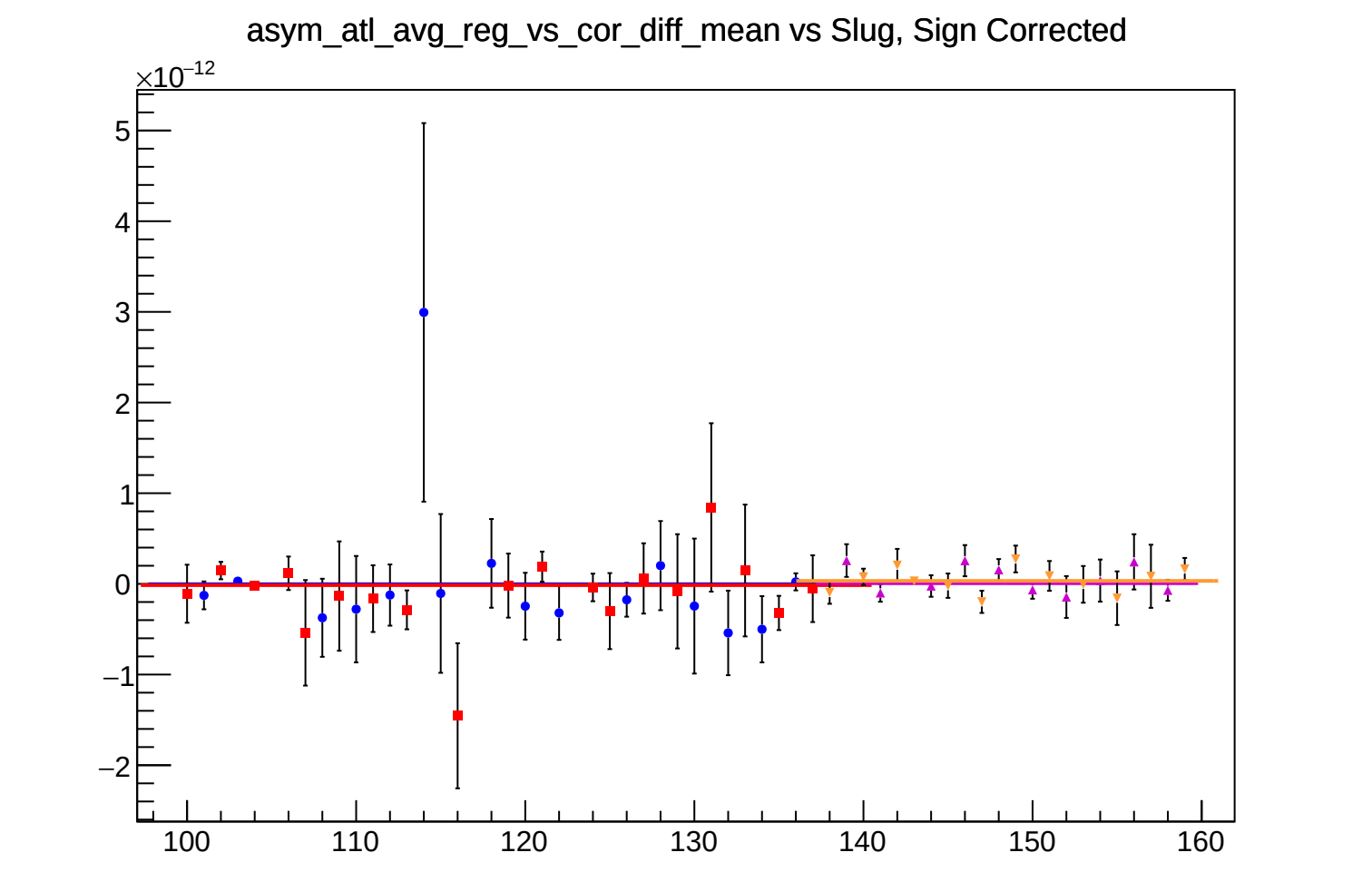
Left: 4992.466+/-0.846 χ^2/NDF: 1468185.0/21

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3832.552+/-0.729 χ^2/NDF:4070196.8/25

Out: 3705.004+/-0.688 χ^2/NDF:4386572.4/30

All: 3765.064+/-0.500 χ^2/NDF: 8472973.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

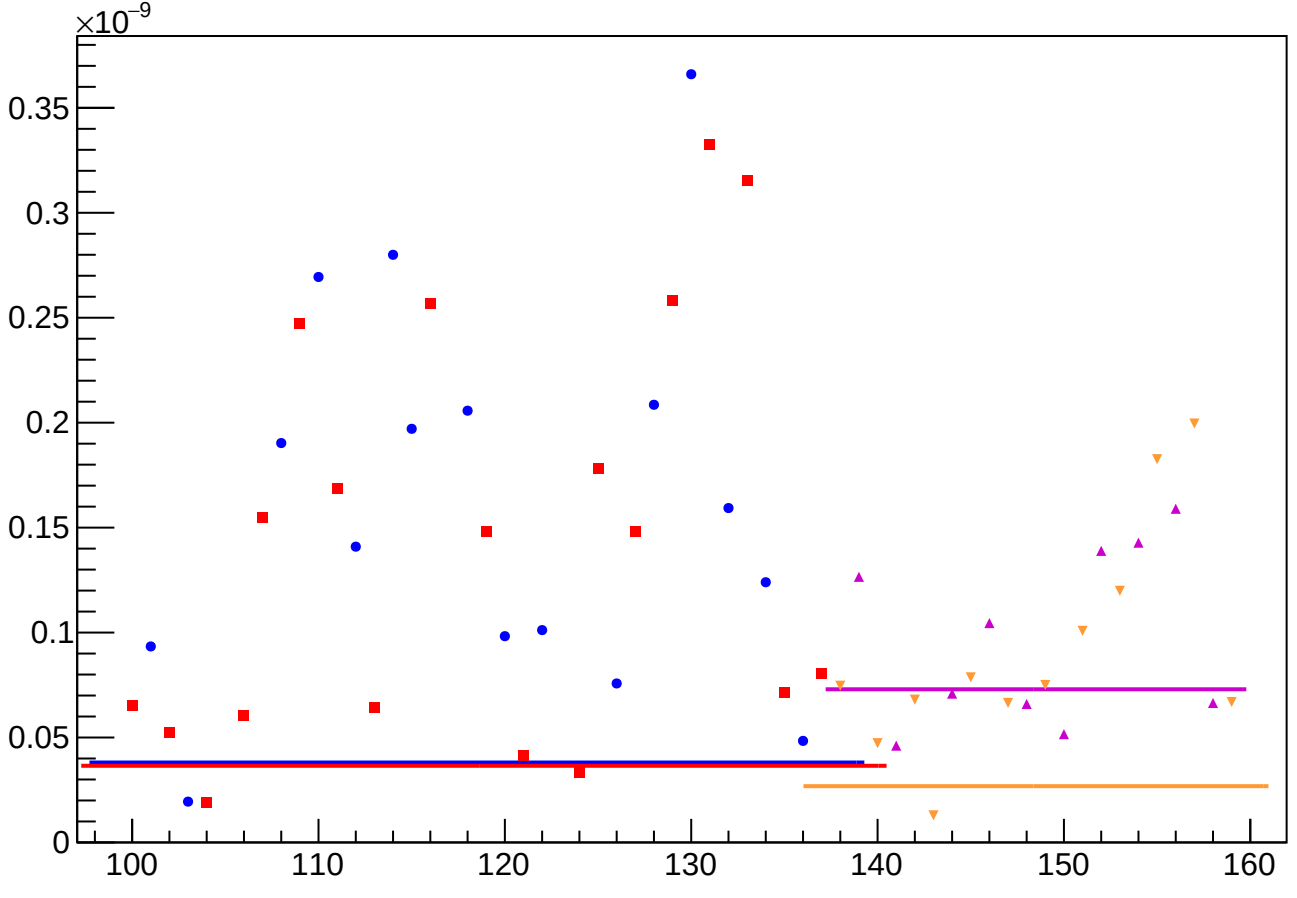
Left: 0.000+/-0.000 χ^2/NDF: 19.5/21

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:19.6/25

Out: 0.000+/-0.000 χ^2/NDF:26.8/30

All: 0.000+/-0.000 χ^2/NDF: 46.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4026466.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1009015.2/9

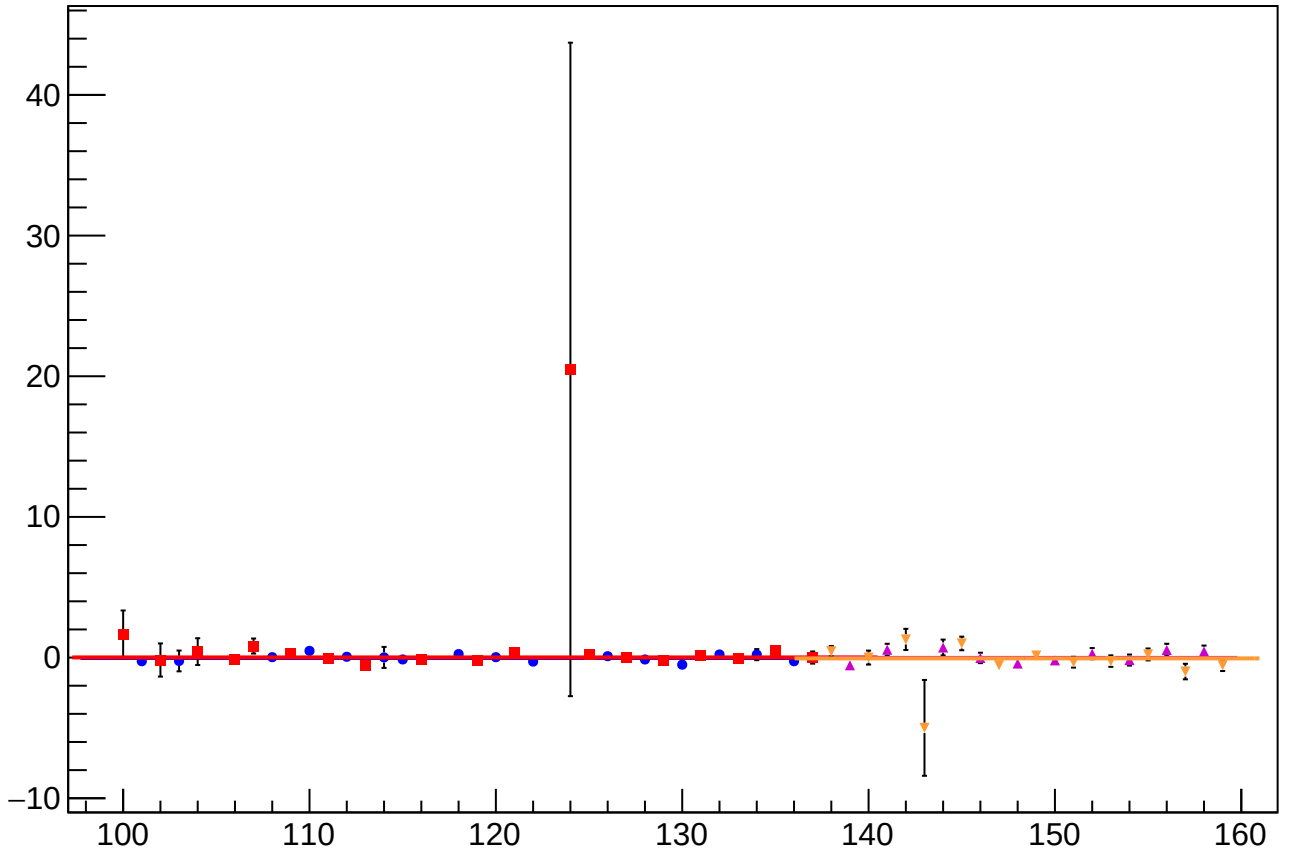
Left: 0.000+/-0.000 χ^2/NDF: 6903936.6/21

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4705470.9/25

Out: 0.000+/-0.000 χ^2/NDF:6837526.0/30

All: 0.000+/-0.000 χ^2/NDF: 12486279.6/56



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.126 χ^2/NDF:20.1/11

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

Left: -0.039+/-0.086 χ^2/NDF: 32.7/21

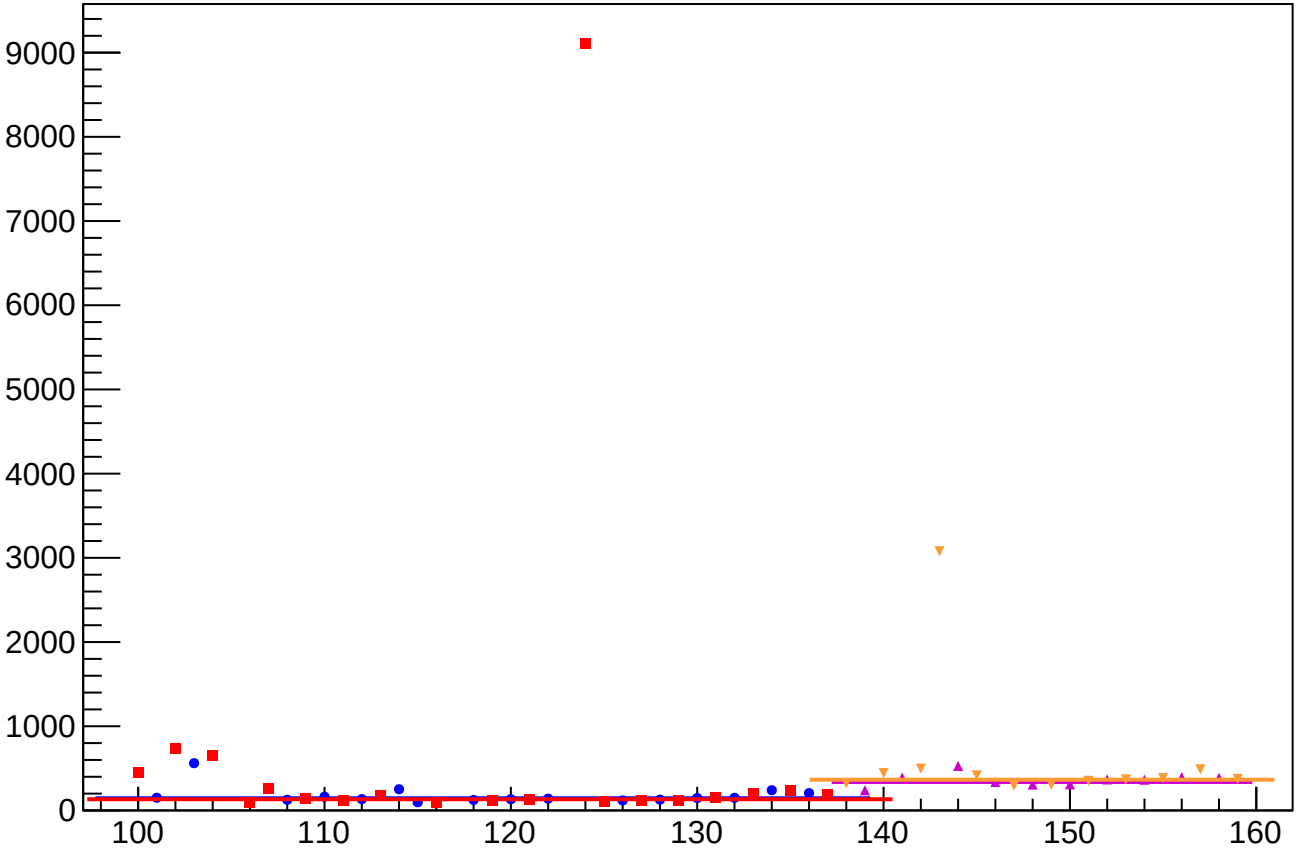
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.014+/-0.037 χ^2/NDF: 72.1/56

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 365.211+/-0.089 χ^2/NDF:1691421.1/11

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

Left: 351.082+/-0.061 χ^2/NDF: 2377832.9/21

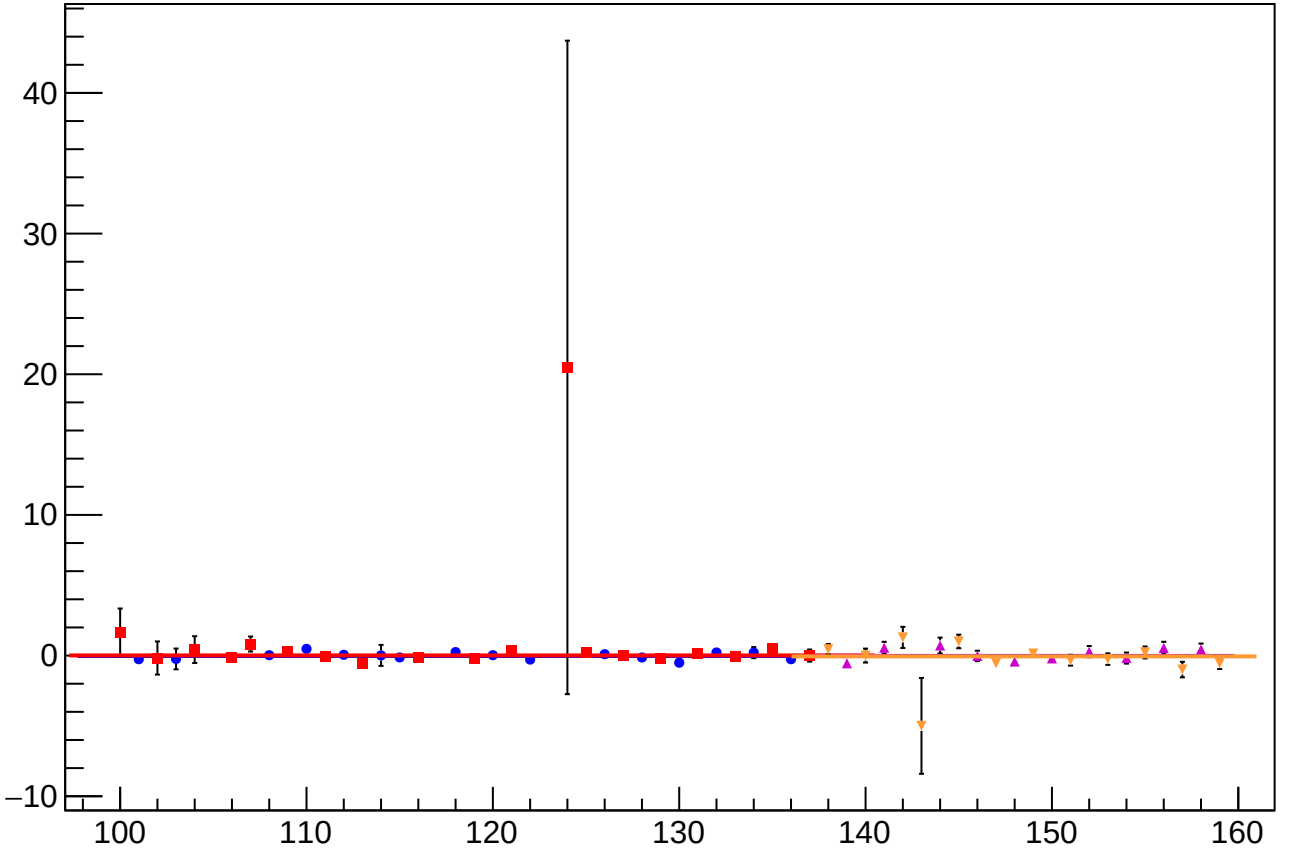
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 181.693+/-0.037 χ^2/NDF:6113120.6/25

Out: 172.229+/-0.036 χ^2/NDF:9573853.3/30

All: 176.923+/-0.026 χ^2/NDF: 15720413.3/56

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+/-0.126 χ^2/NDF:20.1/11

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

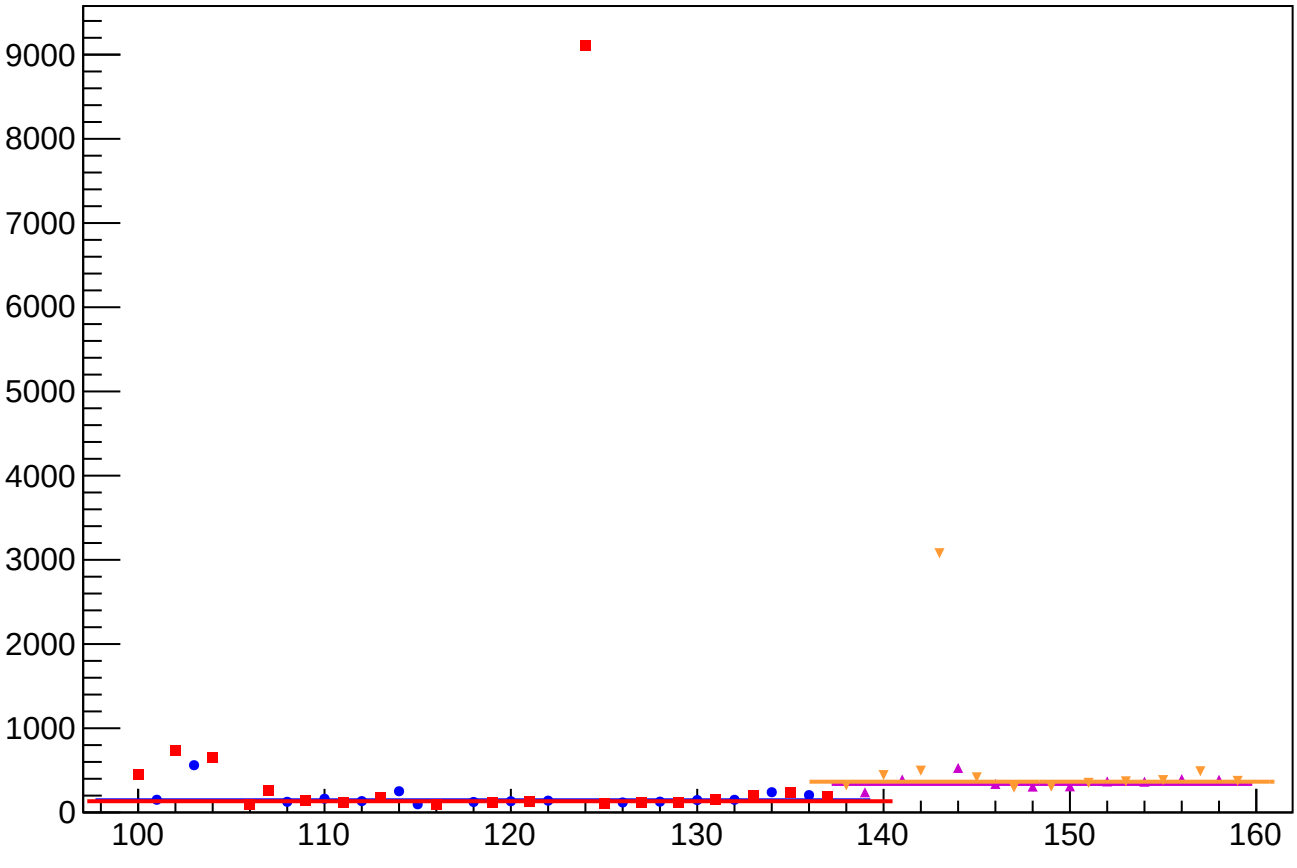
Left: -0.039+/-0.086 χ^2/NDF: 32.7/21

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.014+/-0.037 χ^2/NDF: 72.1/56



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 365.211+/-0.089 χ^2/NDF:1691421.1/11

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

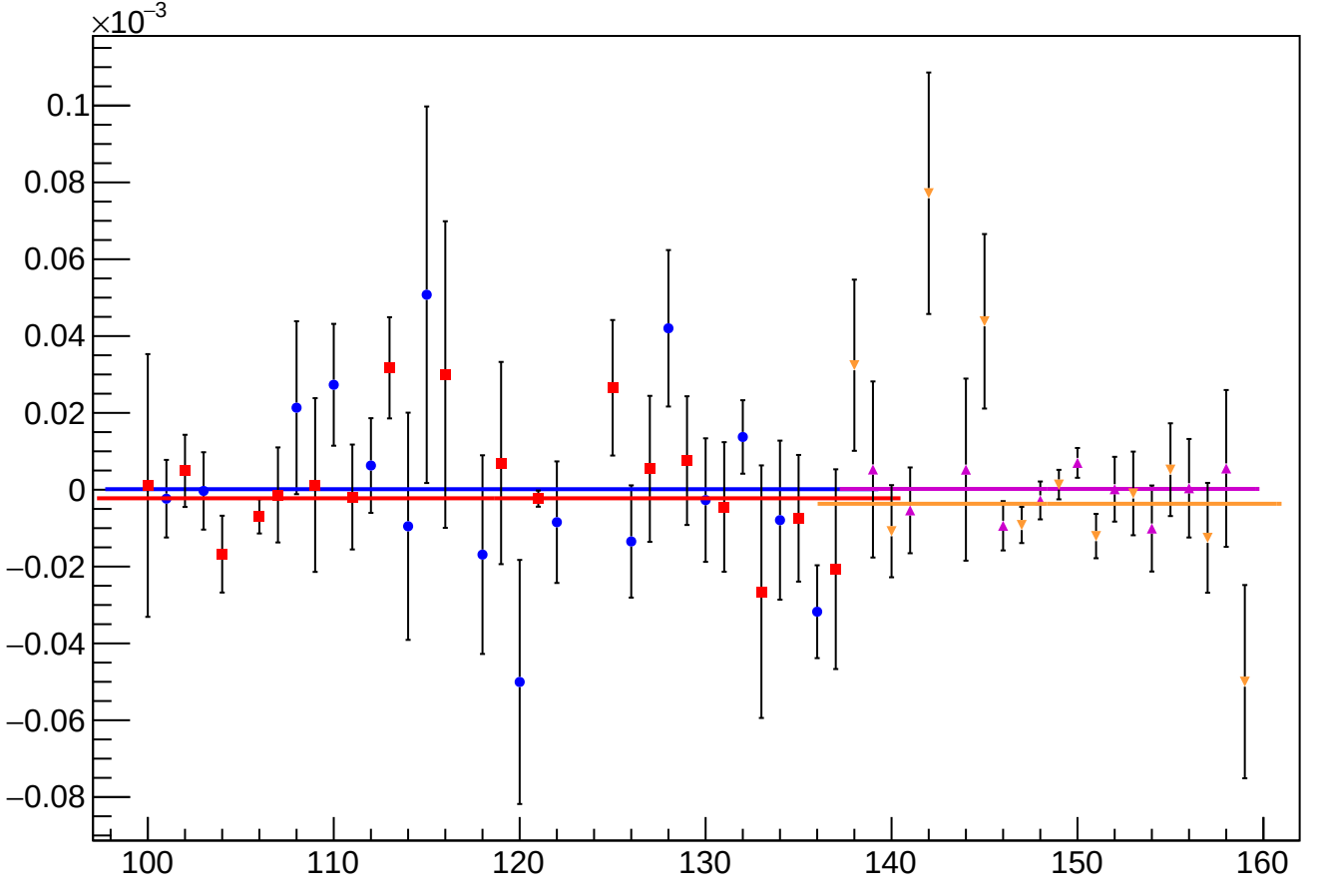
Left: 351.082+/-0.061 χ^2/NDF: 2377832.9/21

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 181.693+/-0.037 χ^2/NDF:6113120.6/25

Out: 172.229+/-0.036 χ^2/NDF:9573853.3/30

All: 176.923+/-0.026 χ^2/NDF: 15720413.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/9

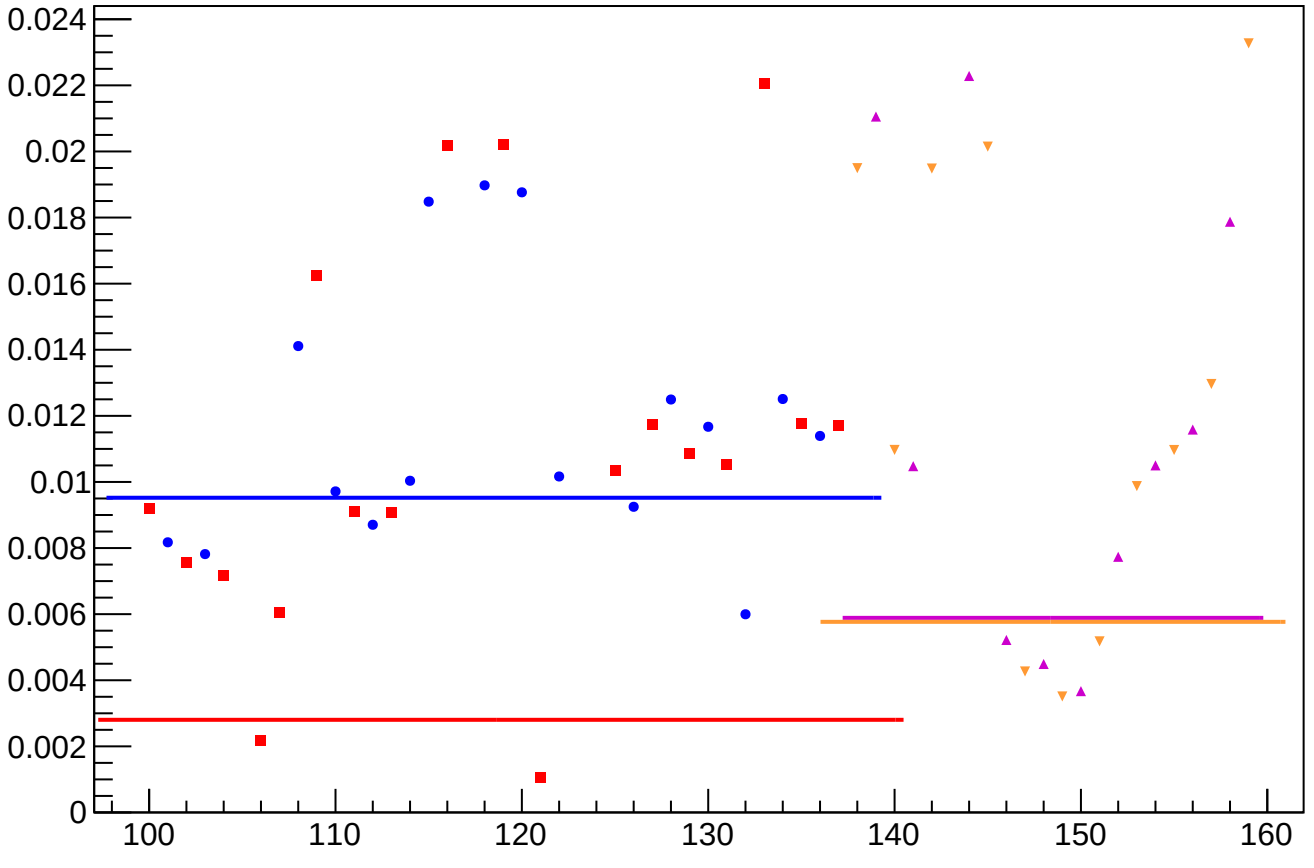
Left: -0.000+/-0.000 χ^2/NDF: 31.8/20

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:29.7/25

Out: -0.000+/-0.000 χ^2/NDF:39.4/28

All: -0.000+/-0.000 χ^2/NDF: 70.5/54



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:5364688.5/10

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:4526929.3/9

Left: 0.006+/-0.000 χ^2/NDF: 9894160.0/20

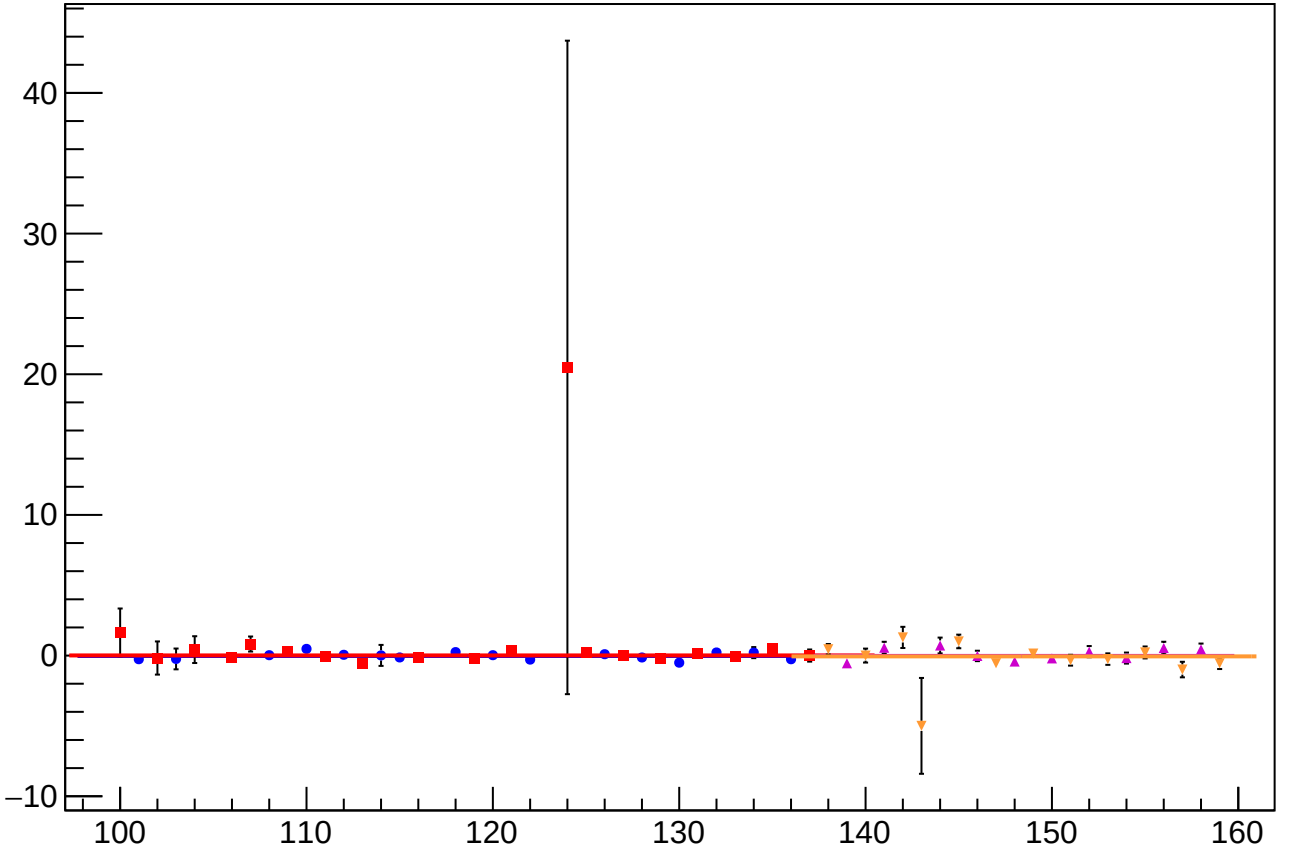
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:6996699.4/25

Out: 0.004+/-0.000 χ^2/NDF:15973419.3/28

All: 0.005+/-0.000 χ^2/NDF: 26212490.4/54

asym_atl_avg_eigen_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+/-0.126 χ^2/NDF:20.1/11

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

Left: -0.039+/-0.086 χ^2/NDF: 32.7/21

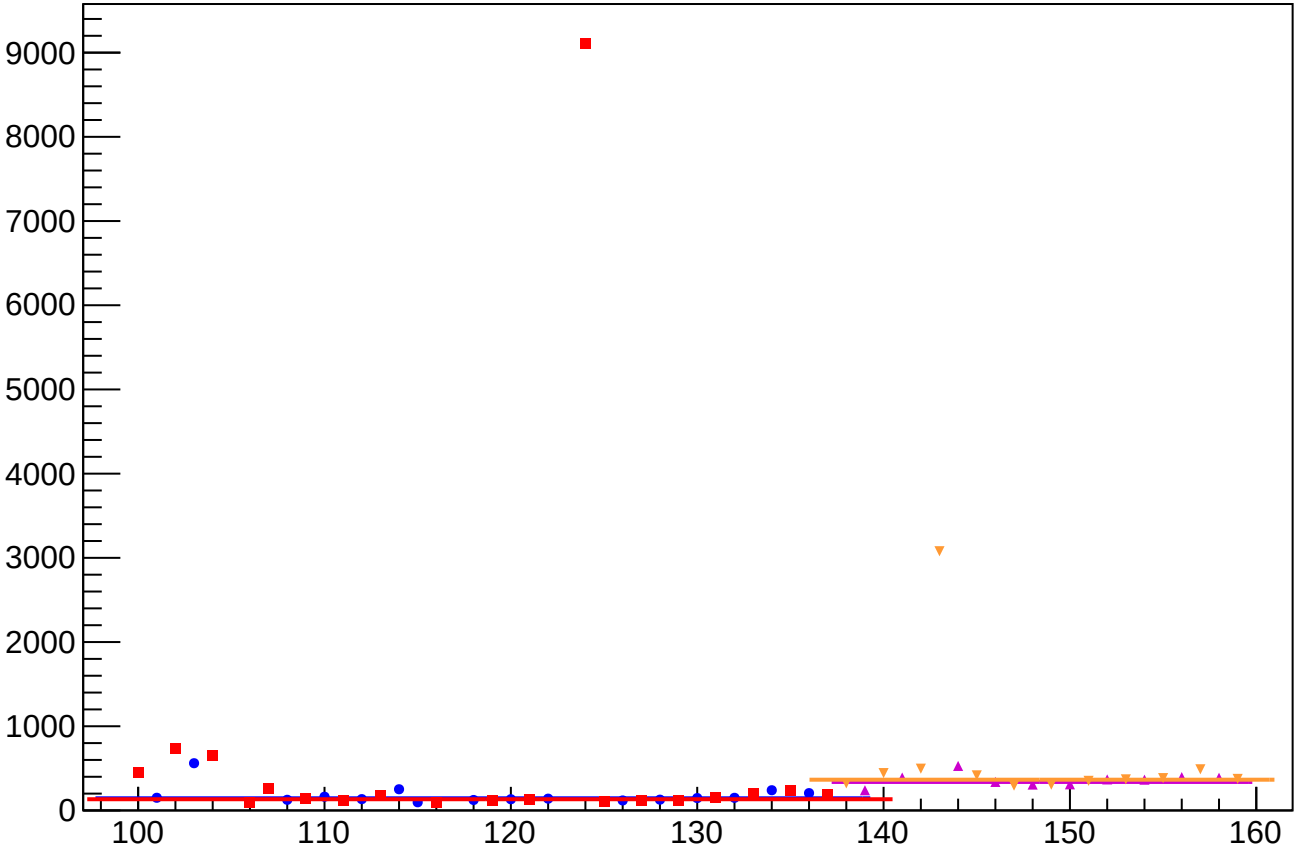
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.014+/-0.037 χ^2/NDF: 72.1/56

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 365.216+/-0.089 χ^2/NDF:1691457.5/11

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

Left: 351.087+/-0.061 χ^2/NDF: 2377859.1/21

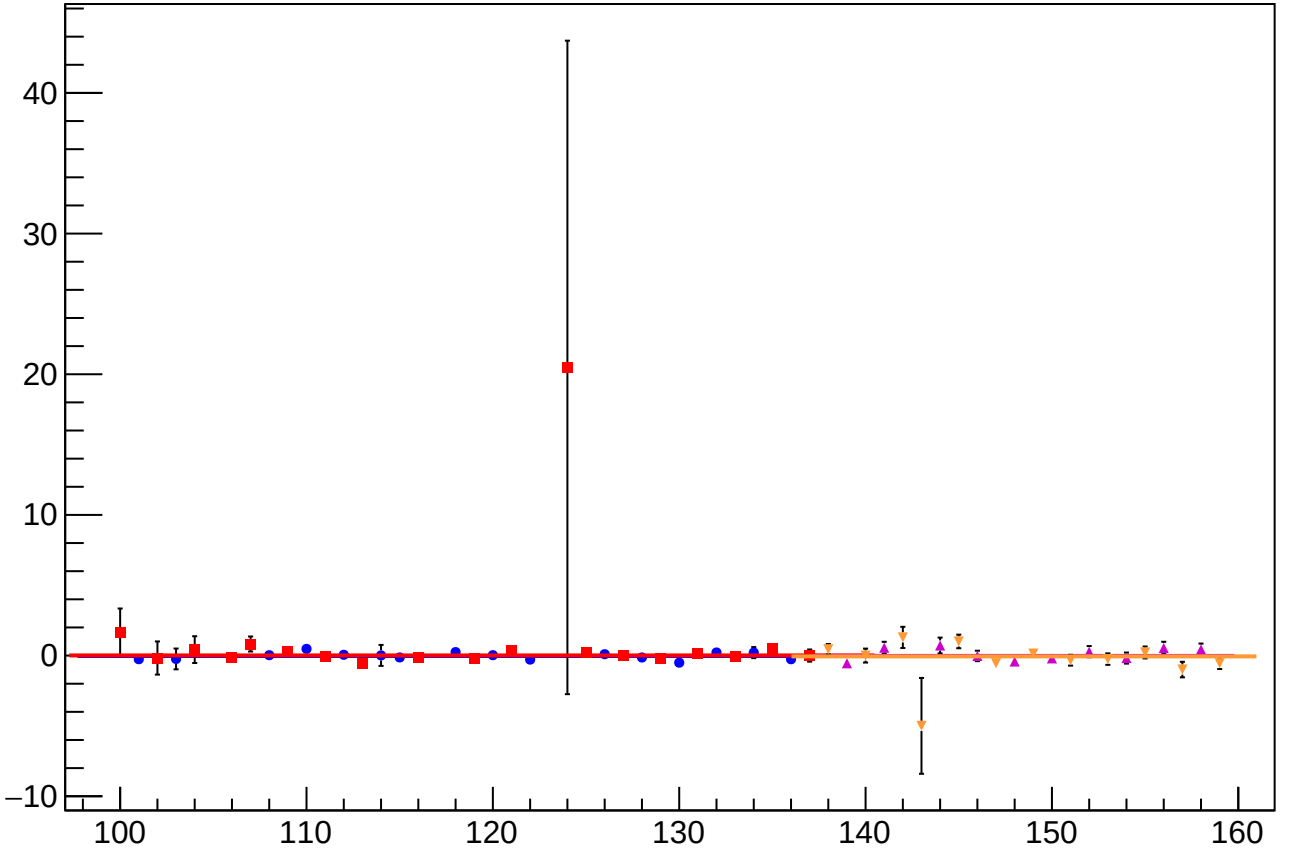
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 181.691+/-0.037 χ^2/NDF:6113343.9/25

Out: 172.228+/-0.036 χ^2/NDF:9573983.5/30

All: 176.921+/-0.026 χ^2/NDF: 15720762.6/56

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+/-0.126 χ^2/NDF:20.1/11

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

Left: -0.039+/-0.086 χ^2/NDF: 32.7/21

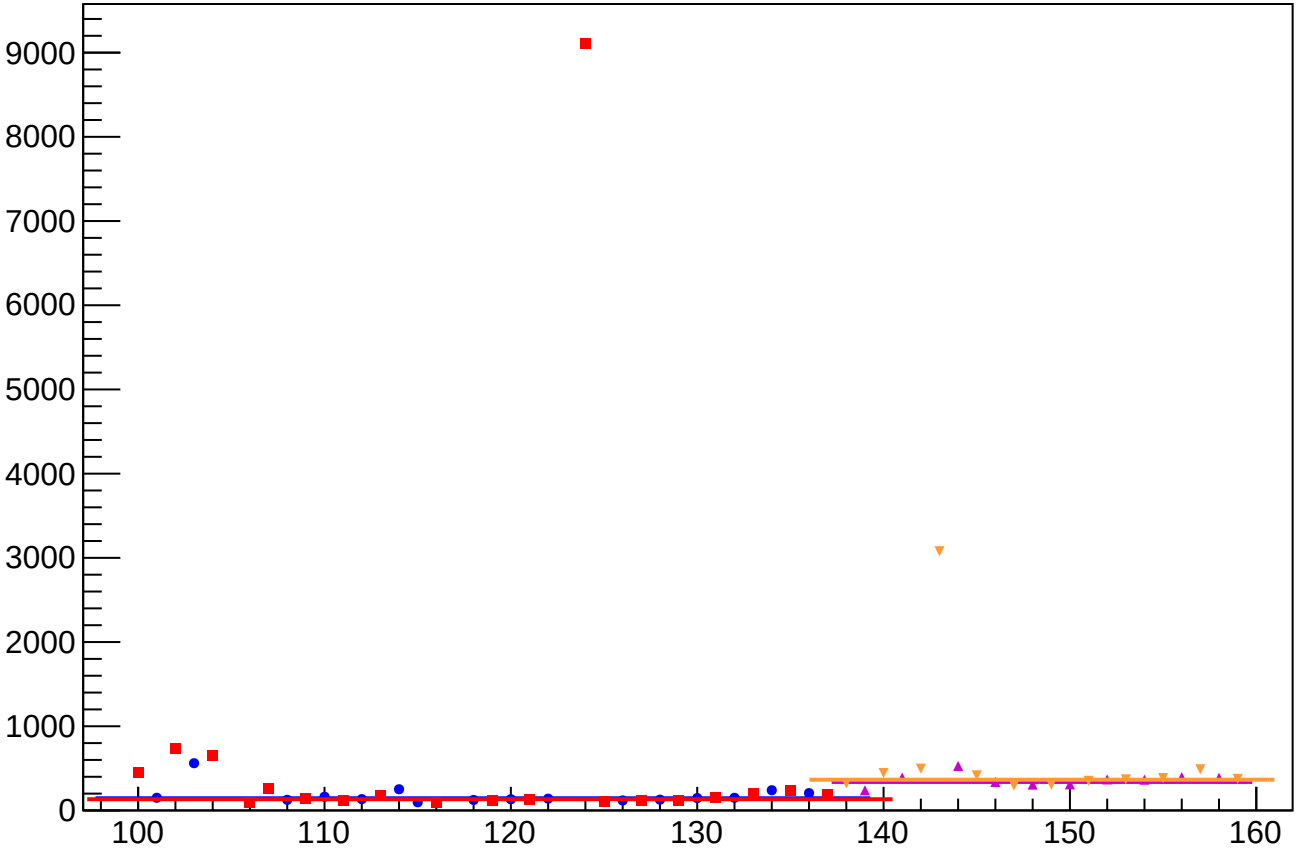
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.014+/-0.037 χ^2/NDF: 72.1/56

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 365.216+/-0.089 χ^2/NDF:1691457.5/11

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

Left: 351.087+/-0.061 χ^2/NDF: 2377859.1/21

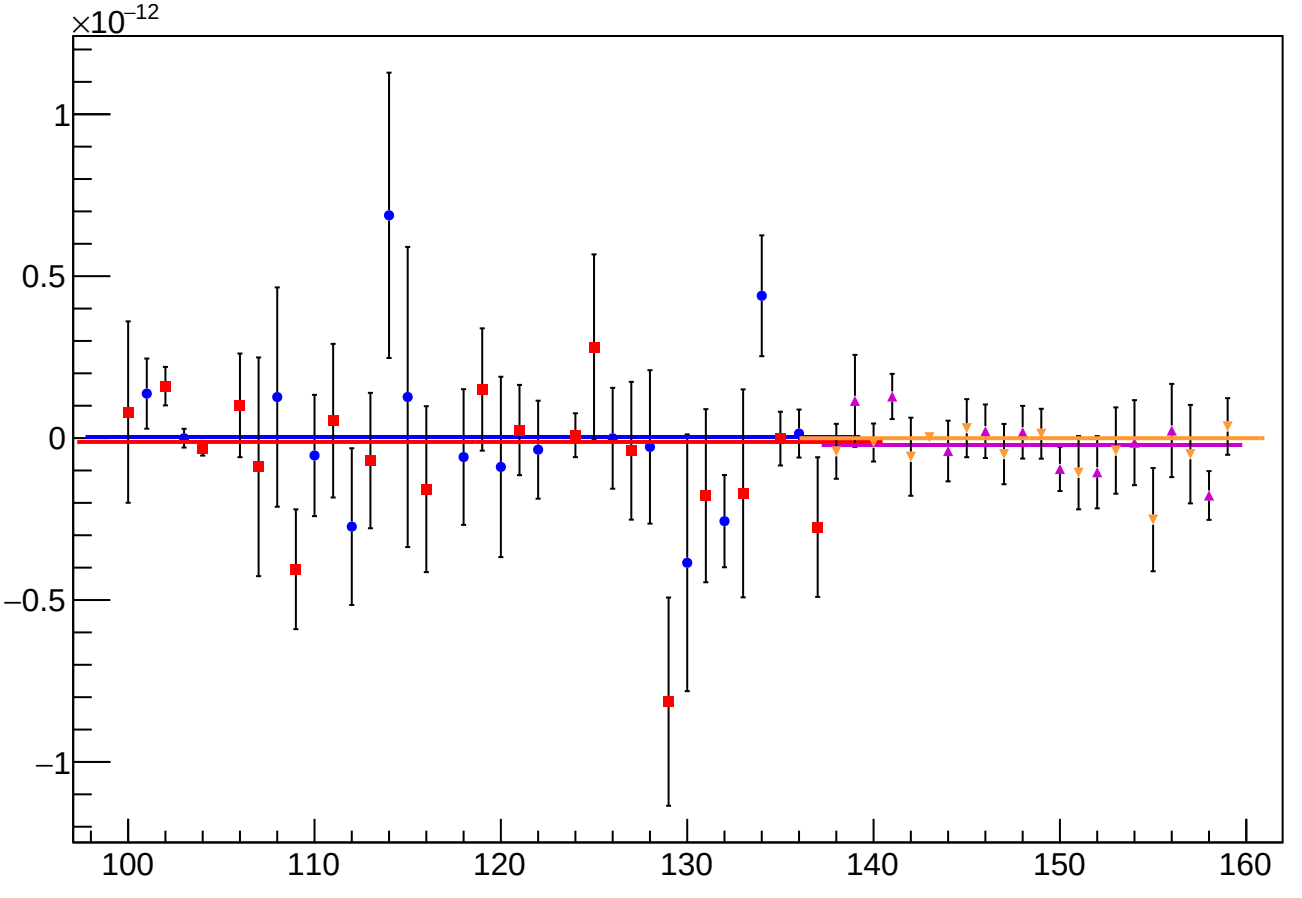
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 181.691+/-0.037 χ^2/NDF:6113343.9/25

Out: 172.228+/-0.036 χ^2/NDF:9573983.5/30

All: 176.921+/-0.026 χ^2/NDF: 15720762.6/56

asym_atl_avg_eigen_cor_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:4.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/9

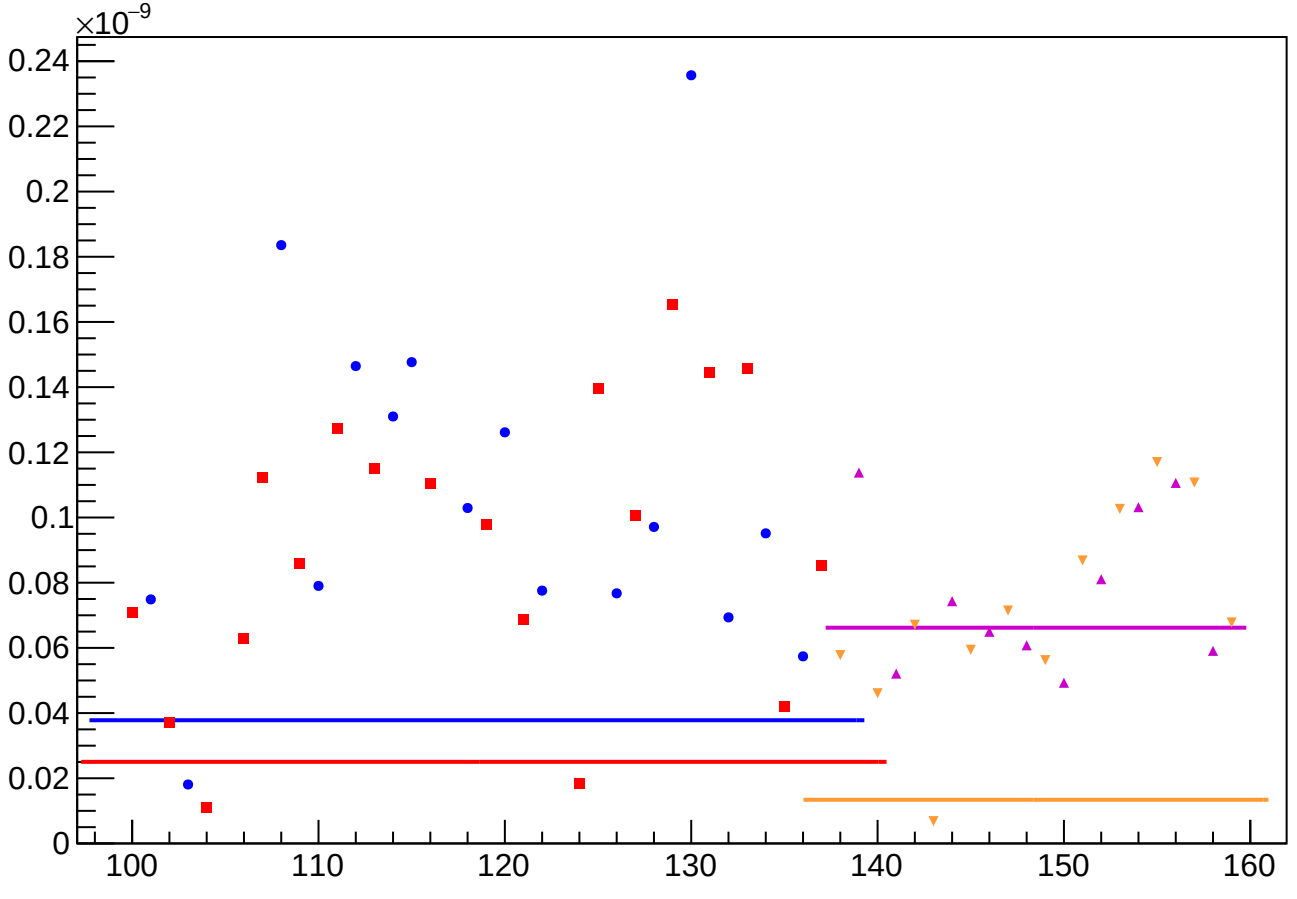
Left: -0.000+/-0.000 χ^2/NDF: 17.5/21

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.3/25

Out: -0.000+/-0.000 χ^2/NDF:30.2/30

All: -0.000+/-0.000 χ^2/NDF: 58.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8520105.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:855731.1/9

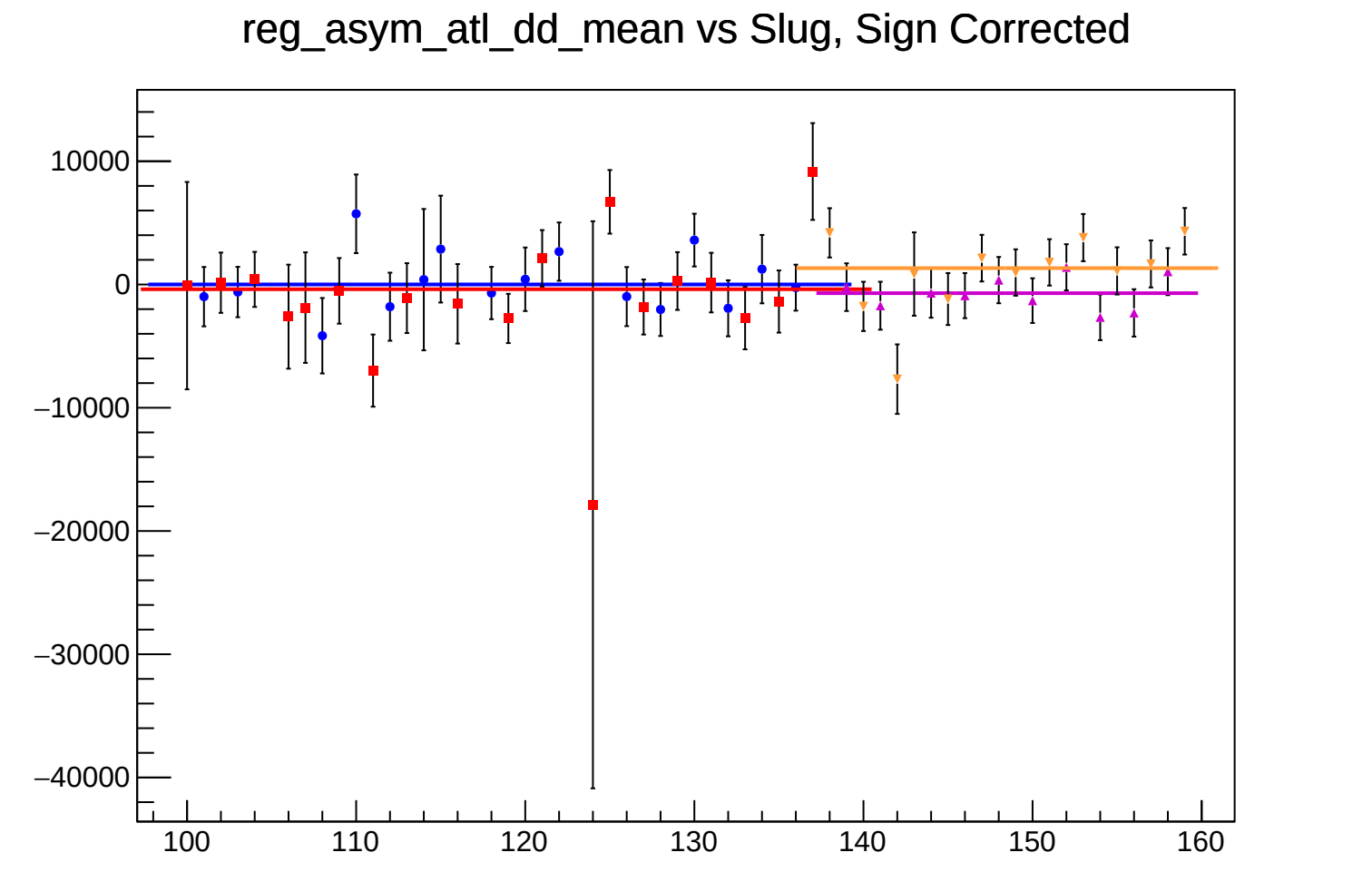
Left: 0.000+/-0.000 χ^2/NDF: 15617434.8/21

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5970513.5/25

Out: 0.000+/-0.000 χ^2/NDF:13846683.4/30

All: 0.000+/-0.000 χ^2/NDF: 25457067.8/56



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1328.146+/-588.957 χ^2/NDF:20.6/11

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -703.087+/-598.821 χ^2/NDF:4.7/9

Left: 329.396+/-419.899 χ^2/NDF: 31.1/21

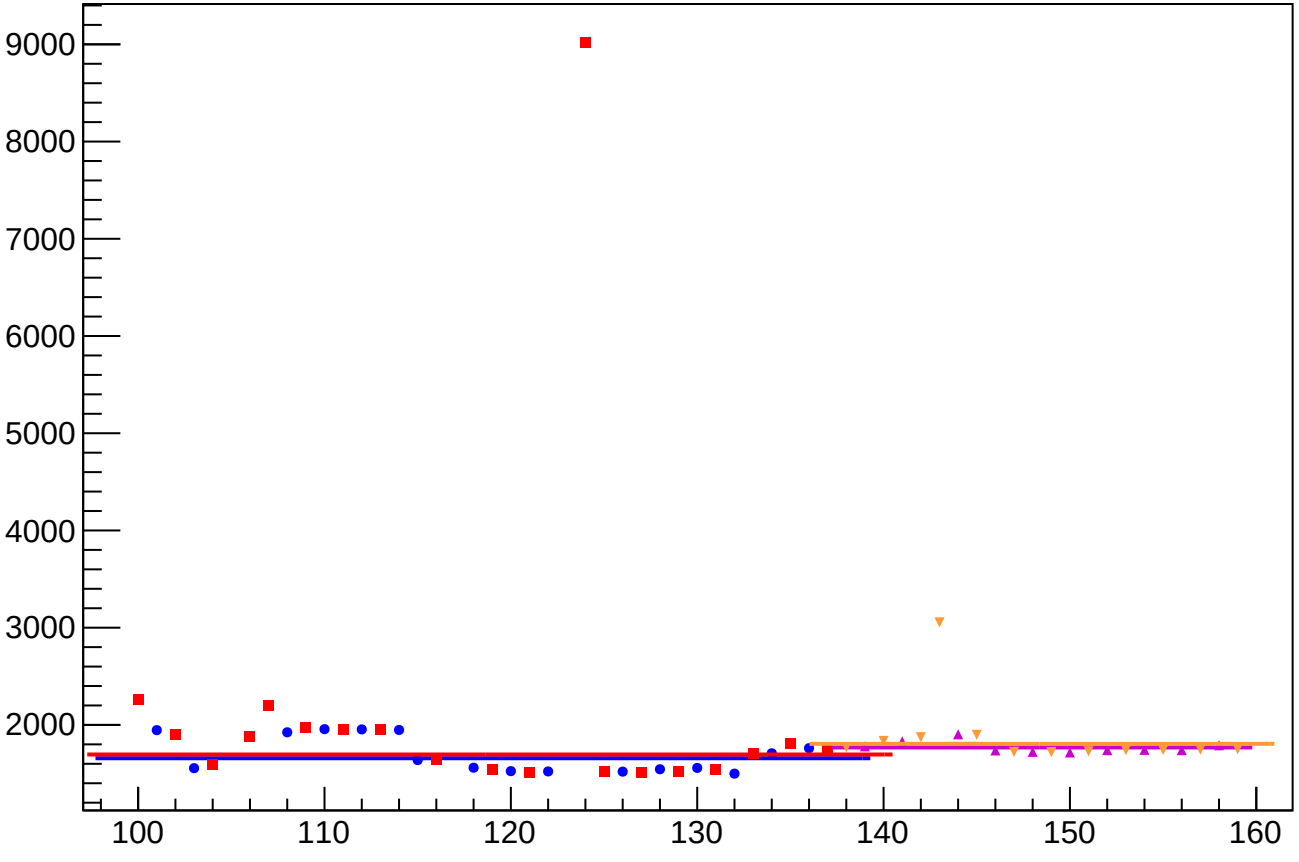
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -361.592+/-430.691 χ^2/NDF:17.8/25

Out: 534.269+/-431.401 χ^2/NDF:48.6/30

All: 85.601+/-304.795 χ^2/NDF: 68.5/56

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1805.672+/-0.416 χ^2/NDF:298596.8/11

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

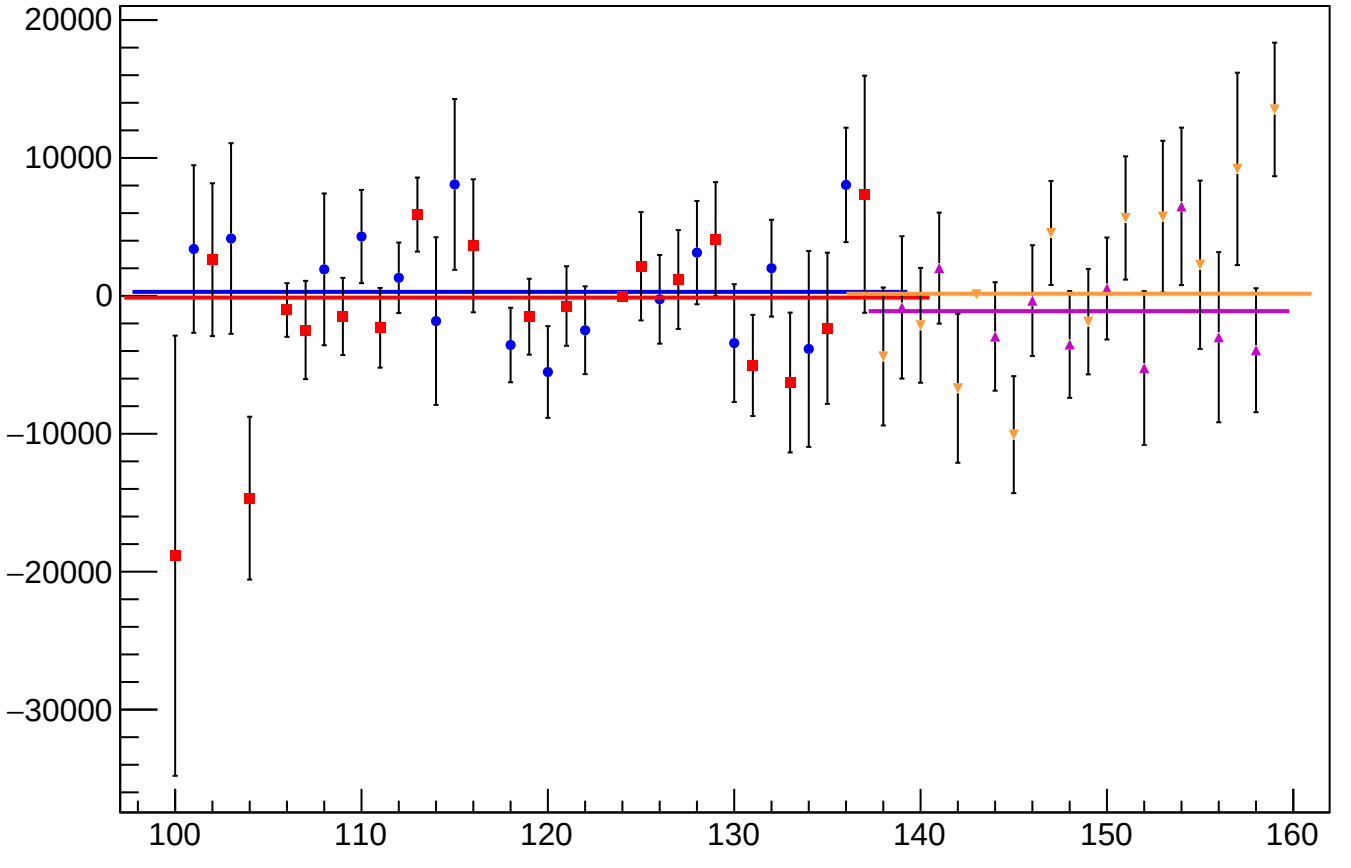
Left: 1787.101+/-0.297 χ^2/NDF: 318613.3/21

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1714.427+/-0.305 χ^2/NDF:192996.7/25

Out: 1754.427+/-0.304 χ^2/NDF:717321.6/30

All: 1734.437+/-0.215 χ^2/NDF: 918948.4/56



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 153.976+/-352.637 χ^2/NDF:22.2/11

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1107.442+/-1408.088 χ^2/NDF:4.3/9

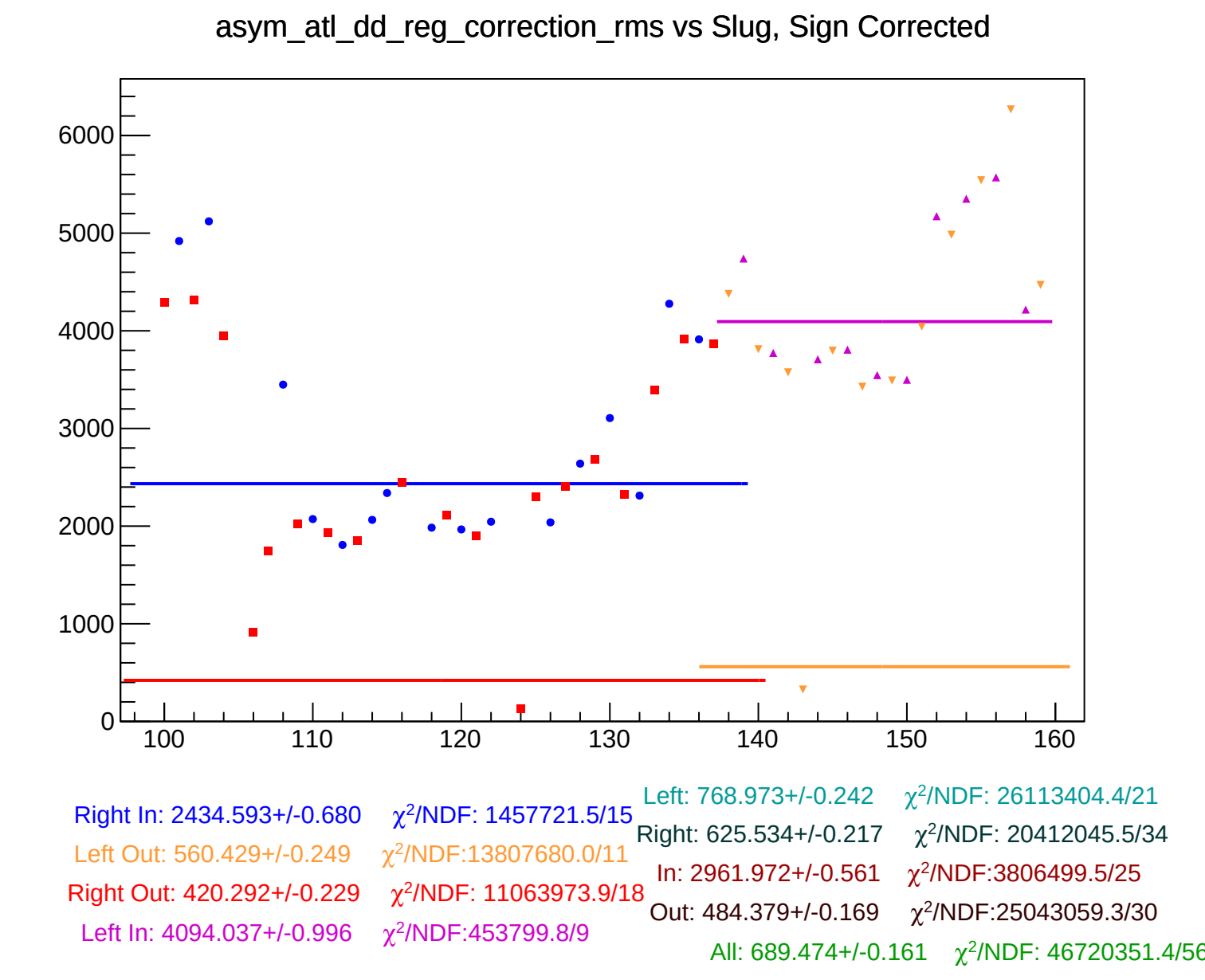
Left: 79.530+/-342.073 χ^2/NDF: 27.2/21

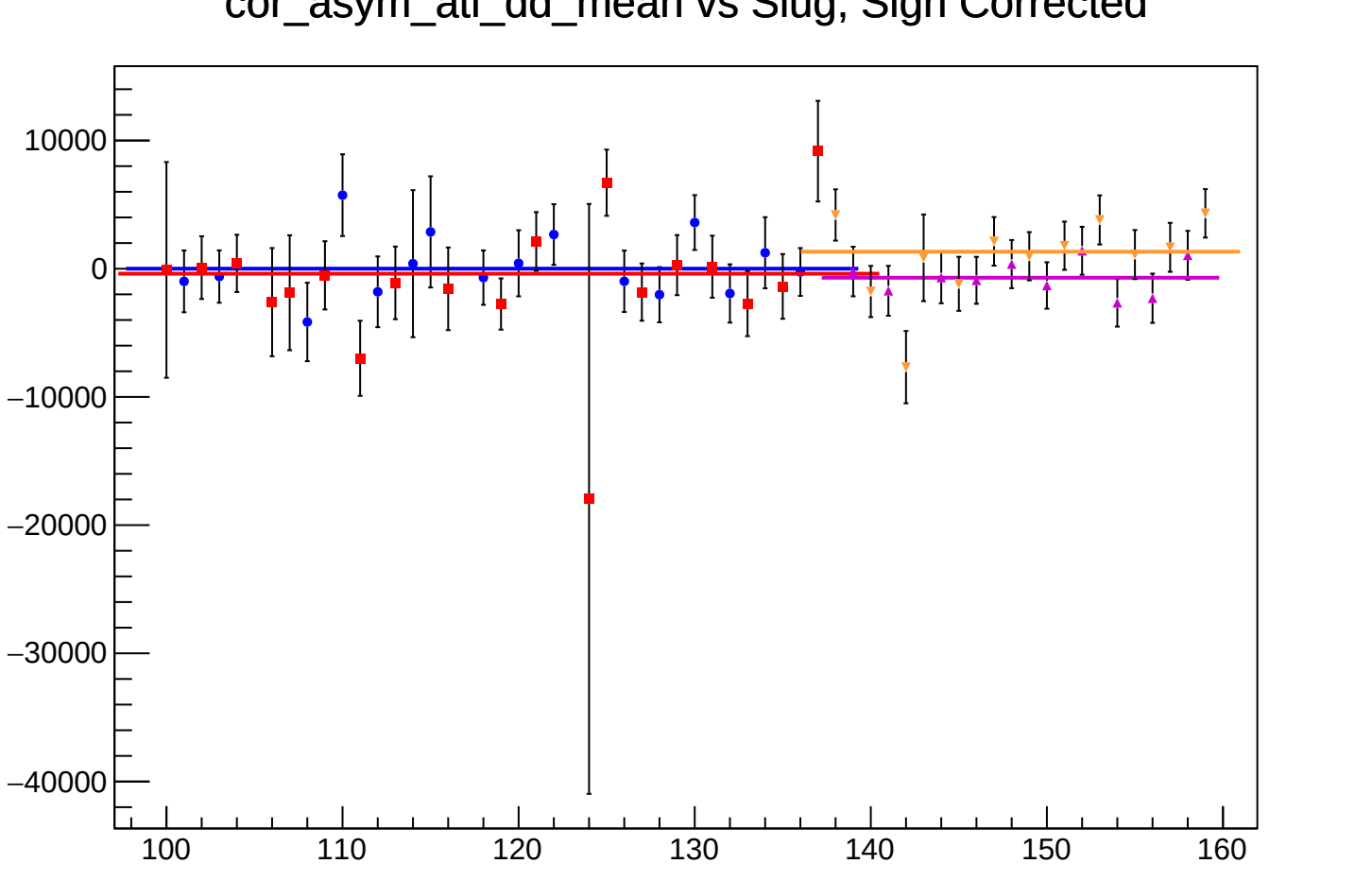
Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -154.617+/-793.798 χ^2/NDF:20.1/25

Out: 2.262+/-238.471 χ^2/NDF:43.4/30

All: -10.724+/-228.388 χ^2/NDF: 63.5/56


asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
Right In: 2434.593+/-0.680 χ²/NDF: 1457721.5/15
Left Out: 560.429+/-0.249 χ²/NDF:13807680.0/11
Right Out: 420.292+/-0.229 χ²/NDF: 11063973.9/18
Left In: 4094.037+/-0.996 χ²/NDF:453799.8/9
Left: 768.973+/-0.242 χ²/NDF: 26113404.4/21
Right: 625.534+/-0.217 χ²/NDF: 20412045.5/34
In: 2961.972+/-0.561 χ²/NDF:3806499.5/25
Out: 484.379+/-0.169 χ²/NDF:25043059.3/30
All: 689.474+/-0.161 χ²/NDF: 46720351.4/56



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1328.017+/-588.957 χ^2/NDF:20.6/11

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -703.071+/-598.821 χ^2/NDF:4.7/9

Left: 329.338+/-419.899 χ^2/NDF: 31.1/21

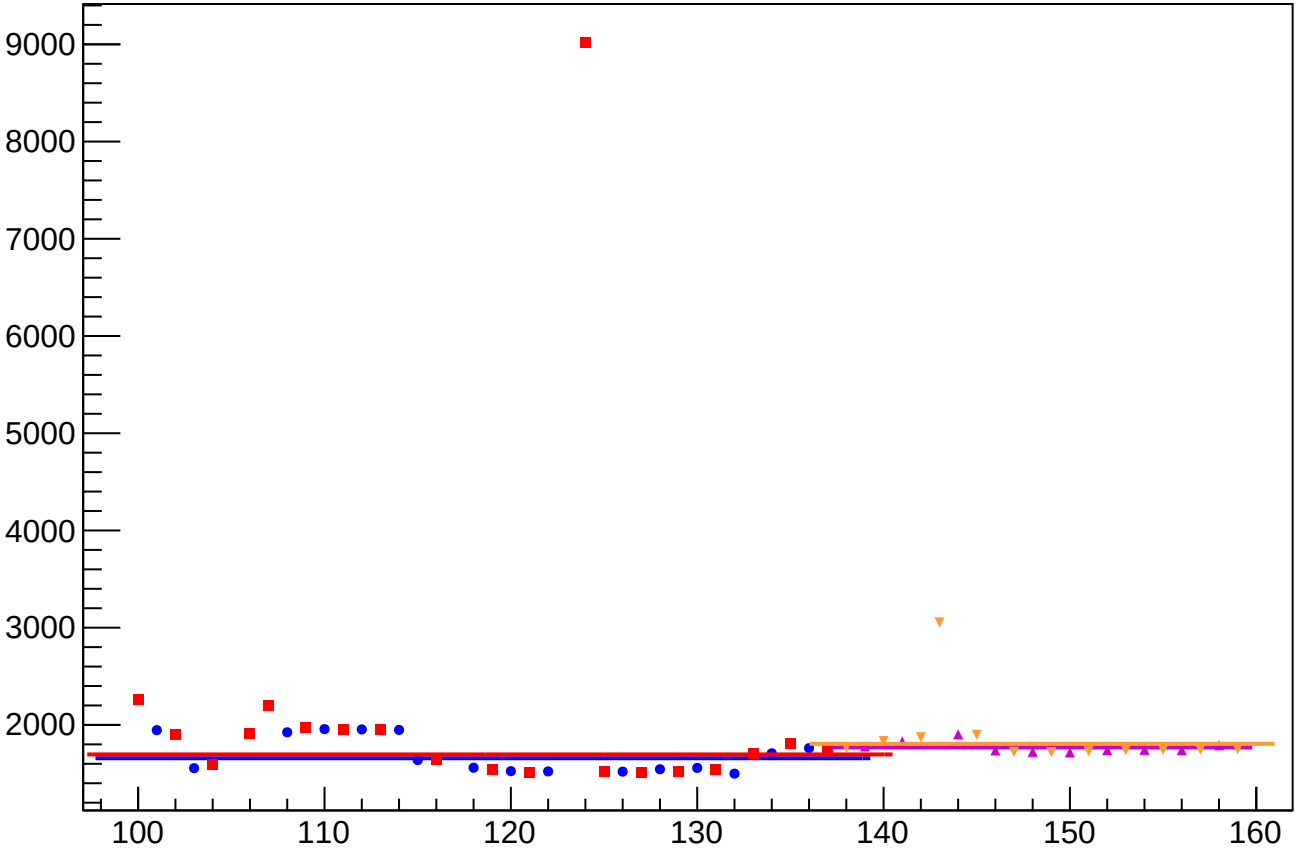
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -361.622+/-430.691 χ^2/NDF:17.8/25

Out: 532.217+/-431.403 χ^2/NDF:48.6/30

All: 84.559+/-304.796 χ^2/NDF: 68.5/56

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1805.672+/-0.416 χ^2/NDF:298596.8/11

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

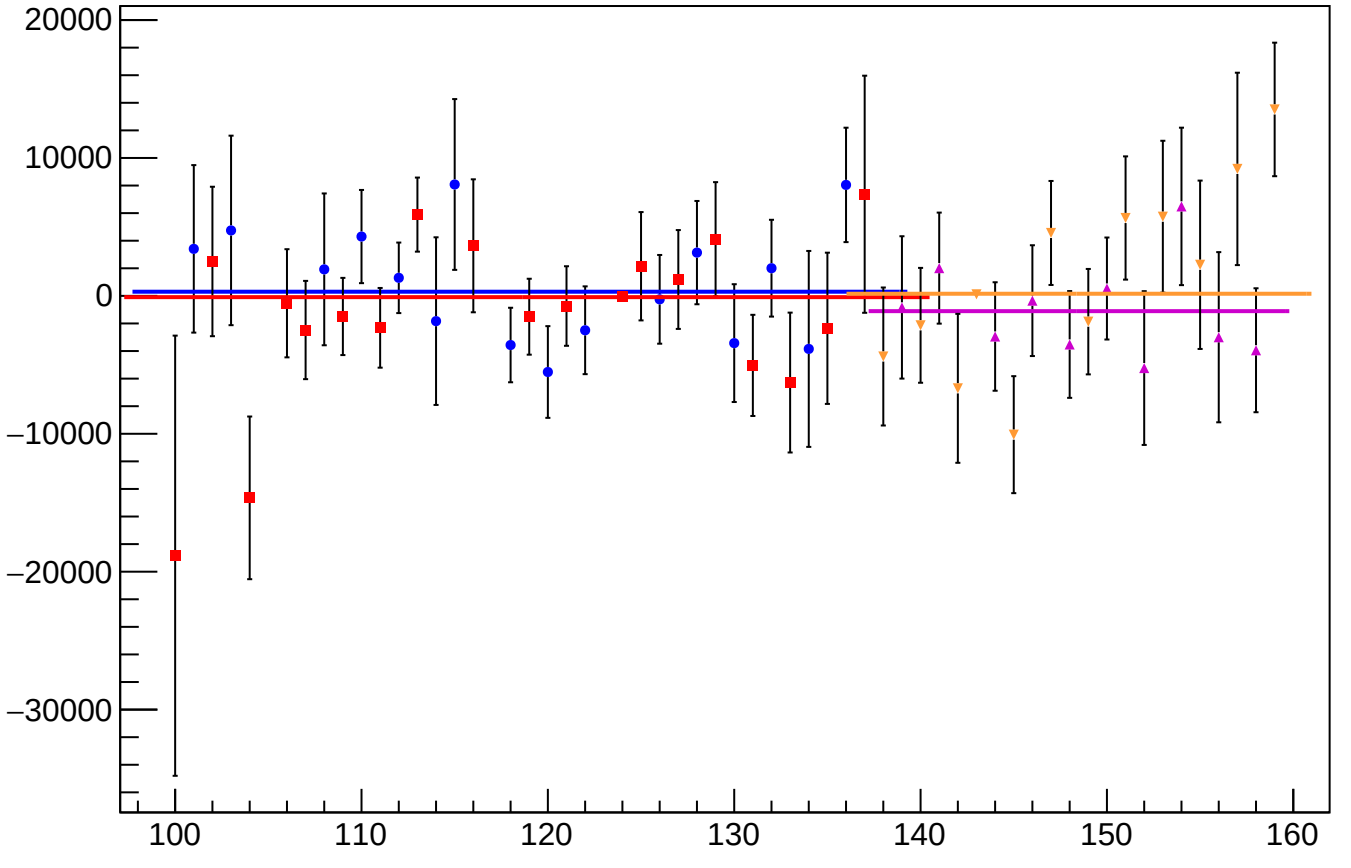
Left: 1787.101+/-0.297 χ^2/NDF: 318613.3/21

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1714.427+/-0.305 χ^2/NDF:192996.8/25

Out: 1754.823+/-0.304 χ^2/NDF:718596.1/30

All: 1734.630+/-0.215 χ^2/NDF: 920392.7/56



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 154.411+/-352.611 χ^2/NDF:22.2/11

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1107.491+/-1408.086 χ^2/NDF:4.3/9

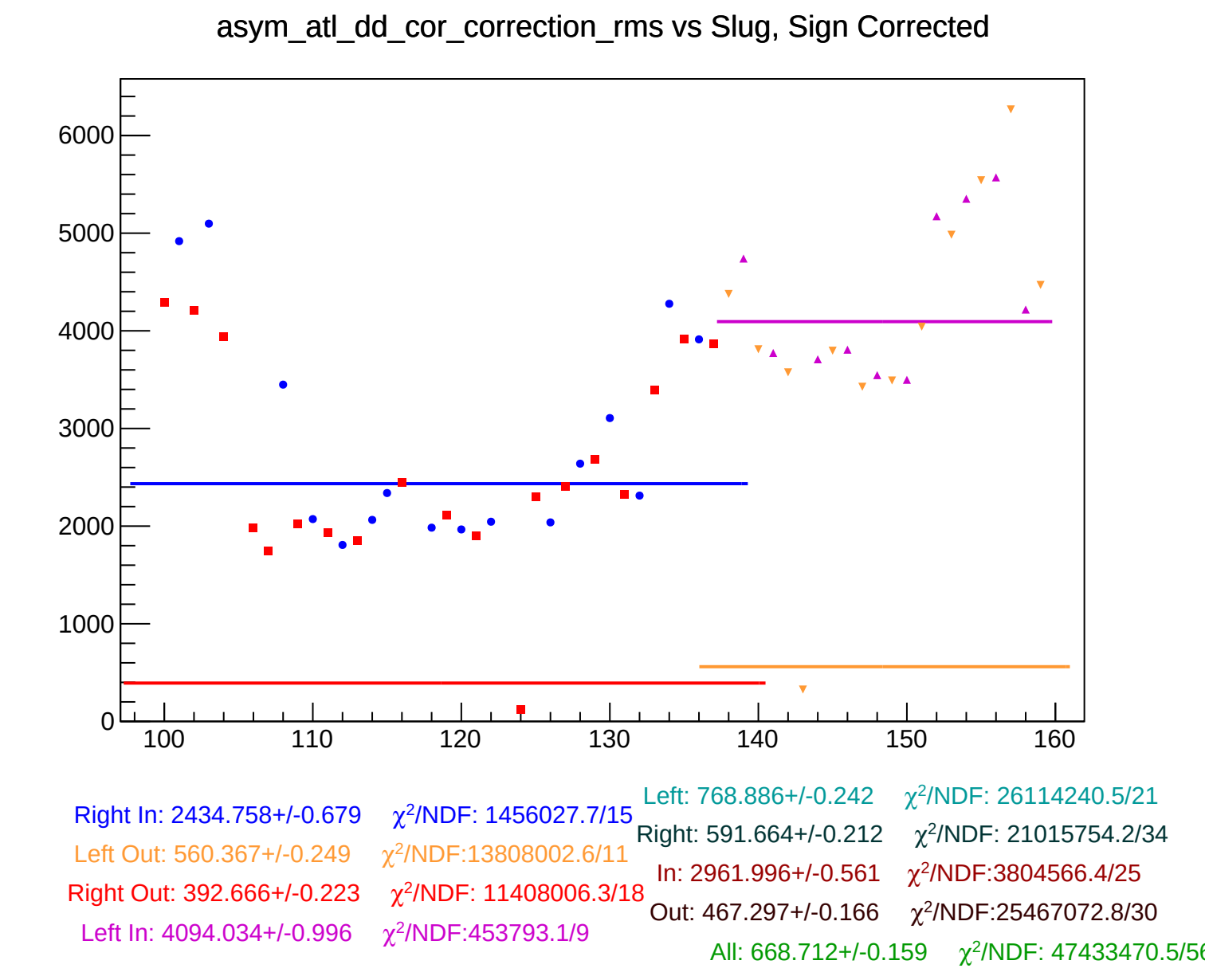
Left: 79.948+/-342.049 χ^2/NDF: 27.2/21

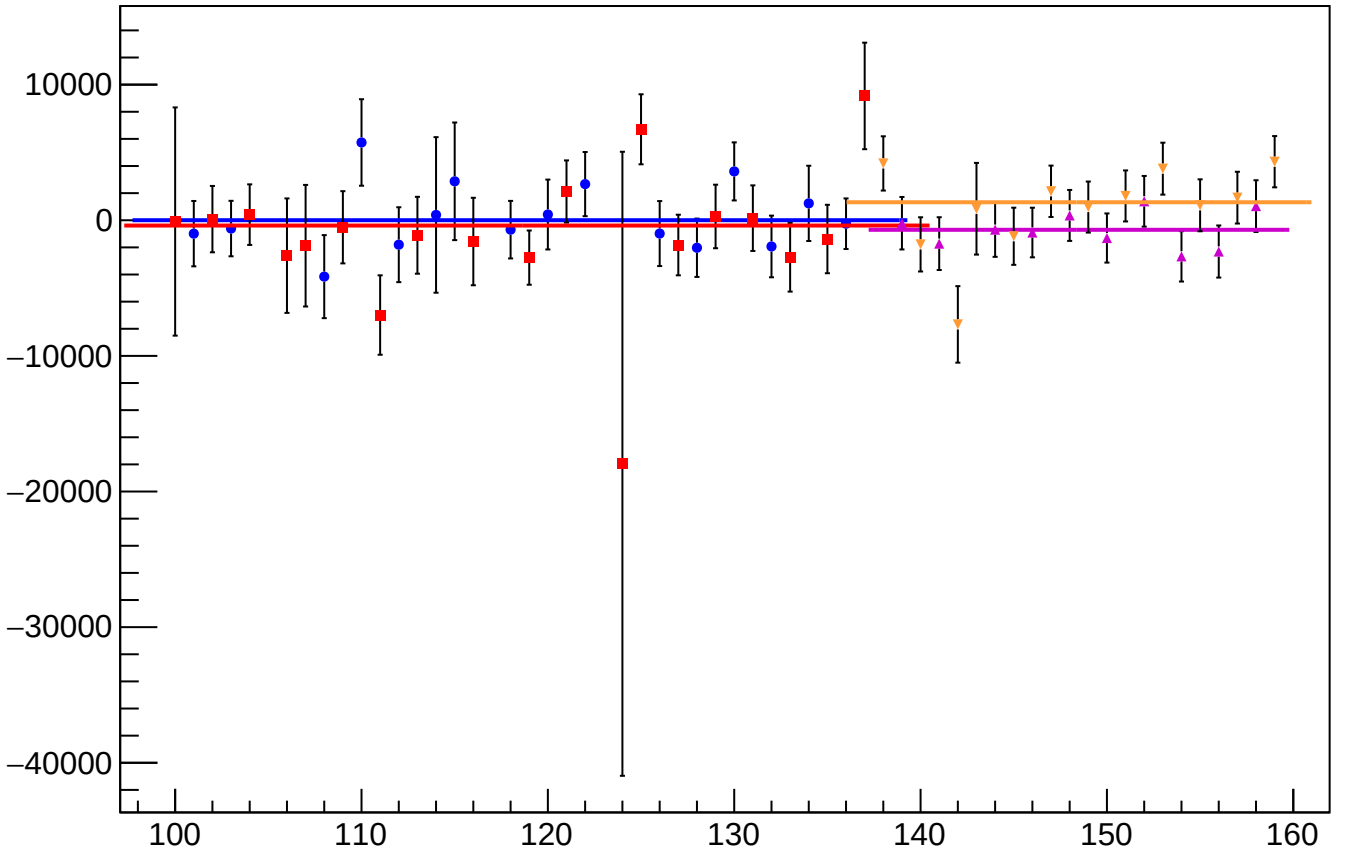
Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -145.978+/-793.731 χ^2/NDF:20.3/25

Out: 17.525+/-235.228 χ^2/NDF:43.1/30

All: 4.324+/-225.533 χ^2/NDF: 63.4/56


asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
Right In: 2434.758+/-0.679 χ²/NDF: 1456027.7/15
Left Out: 560.367+/-0.249 χ²/NDF:13808002.6/11
Right Out: 392.666+/-0.223 χ²/NDF: 11408006.3/18
Left In: 4094.034+/-0.996 χ²/NDF:453793.1/9
Left: 768.886+/-0.242 χ²/NDF: 26114240.5/21
Right: 591.664+/-0.212 χ²/NDF: 21015754.2/34
In: 2961.996+/-0.561 χ²/NDF:3804566.4/25
Out: 467.297+/-0.166 χ²/NDF:25467072.8/30
All: 668.712+/-0.159 χ²/NDF: 47433470.5/56



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1328.017+/-588.957 χ^2/NDF:20.6/11

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -703.071+/-598.821 χ^2/NDF:4.7/9

Left: 329.338+/-419.899 χ^2/NDF: 31.1/21

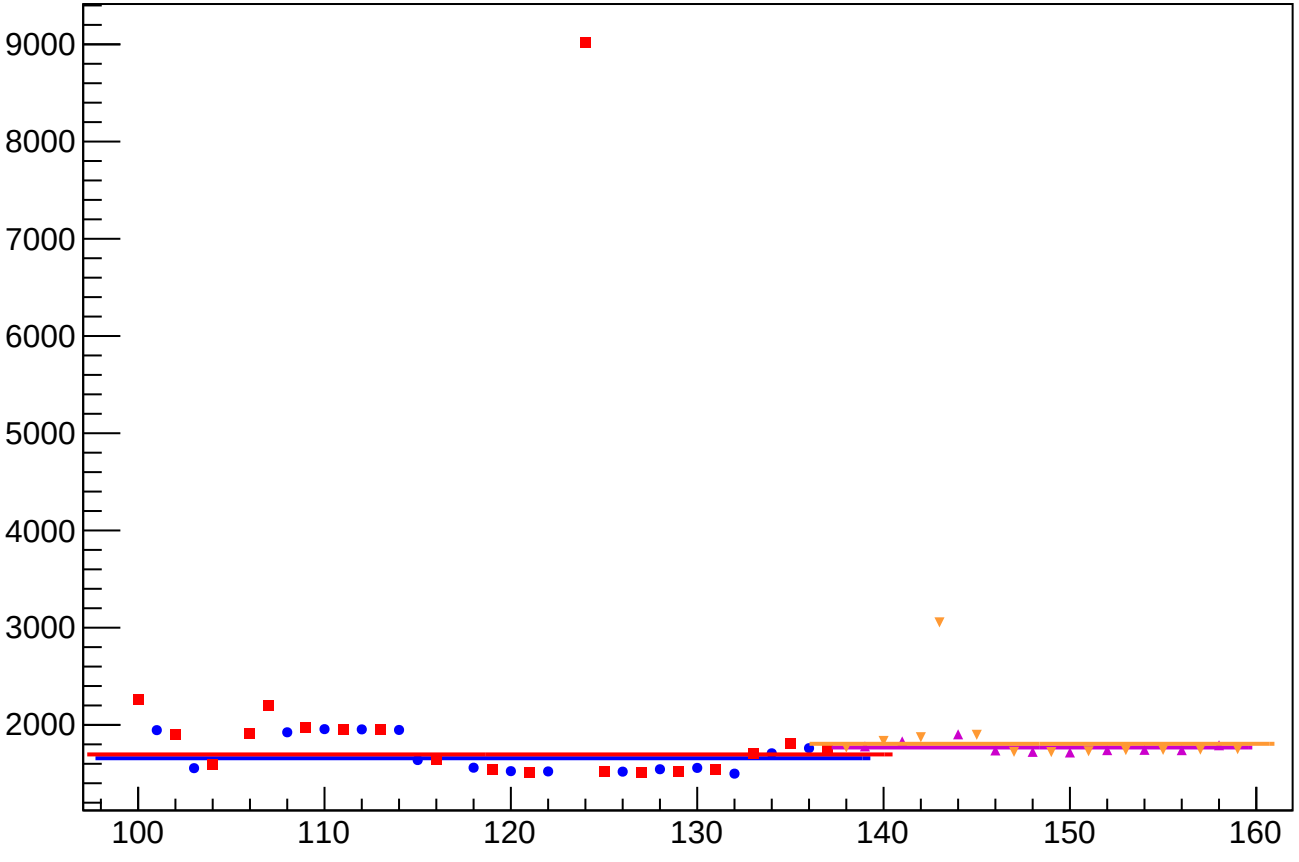
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -361.622+/-430.691 χ^2/NDF:17.8/25

Out: 532.217+/-431.403 χ^2/NDF:48.6/30

All: 84.559+/-304.796 χ^2/NDF: 68.5/56

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1805.672+/-0.416 χ^2/NDF:298596.8/11

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

Left: 1787.101+/-0.297 χ^2/NDF: 318613.3/21

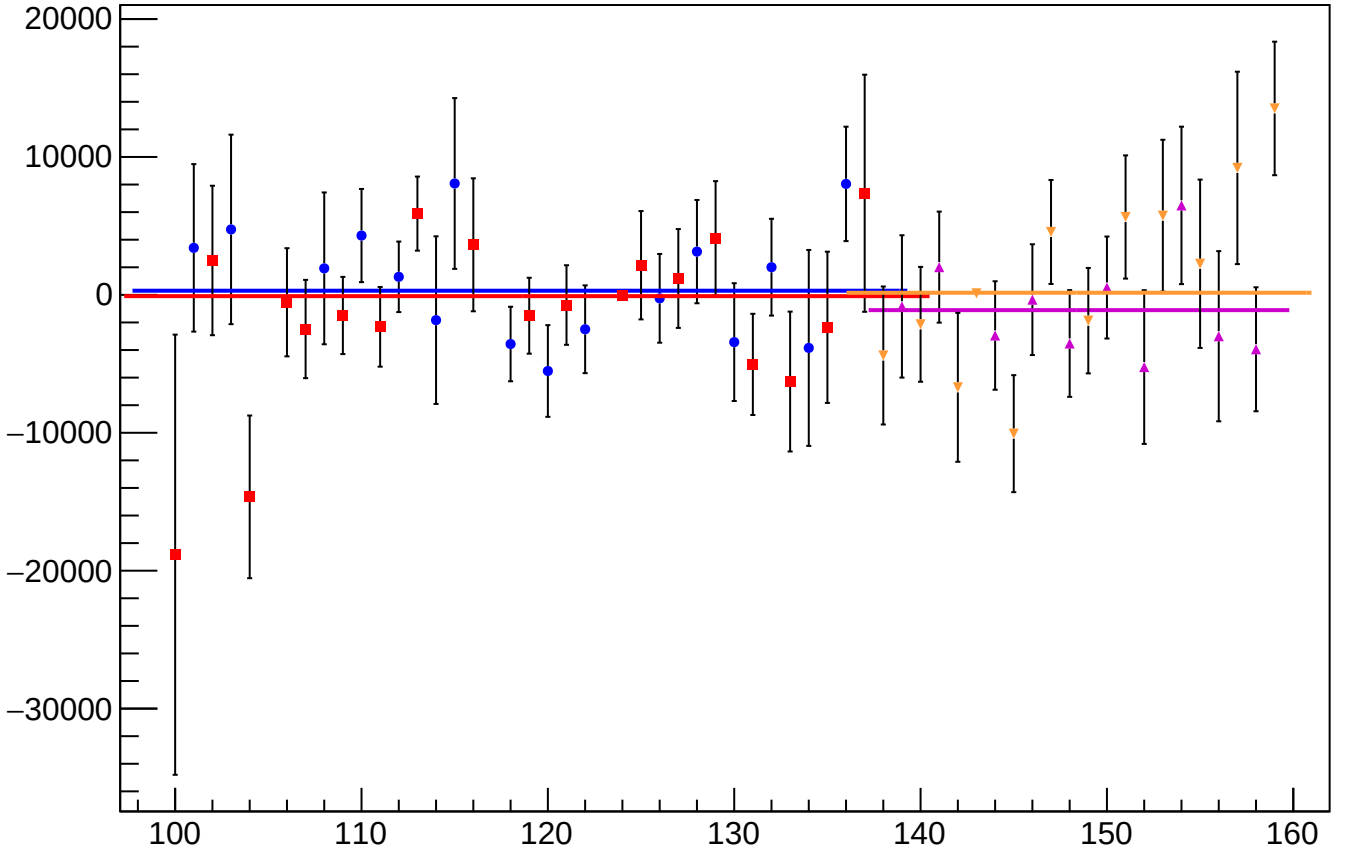
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1714.427+/-0.305 χ^2/NDF:192996.8/25

Out: 1754.823+/-0.304 χ^2/NDF:718596.1/30

All: 1734.630+/-0.215 χ^2/NDF: 920392.7/56

asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 154.411+/-352.611 χ^2/NDF:22.2/11

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1107.491+/-1408.086 χ^2/NDF:4.3/9

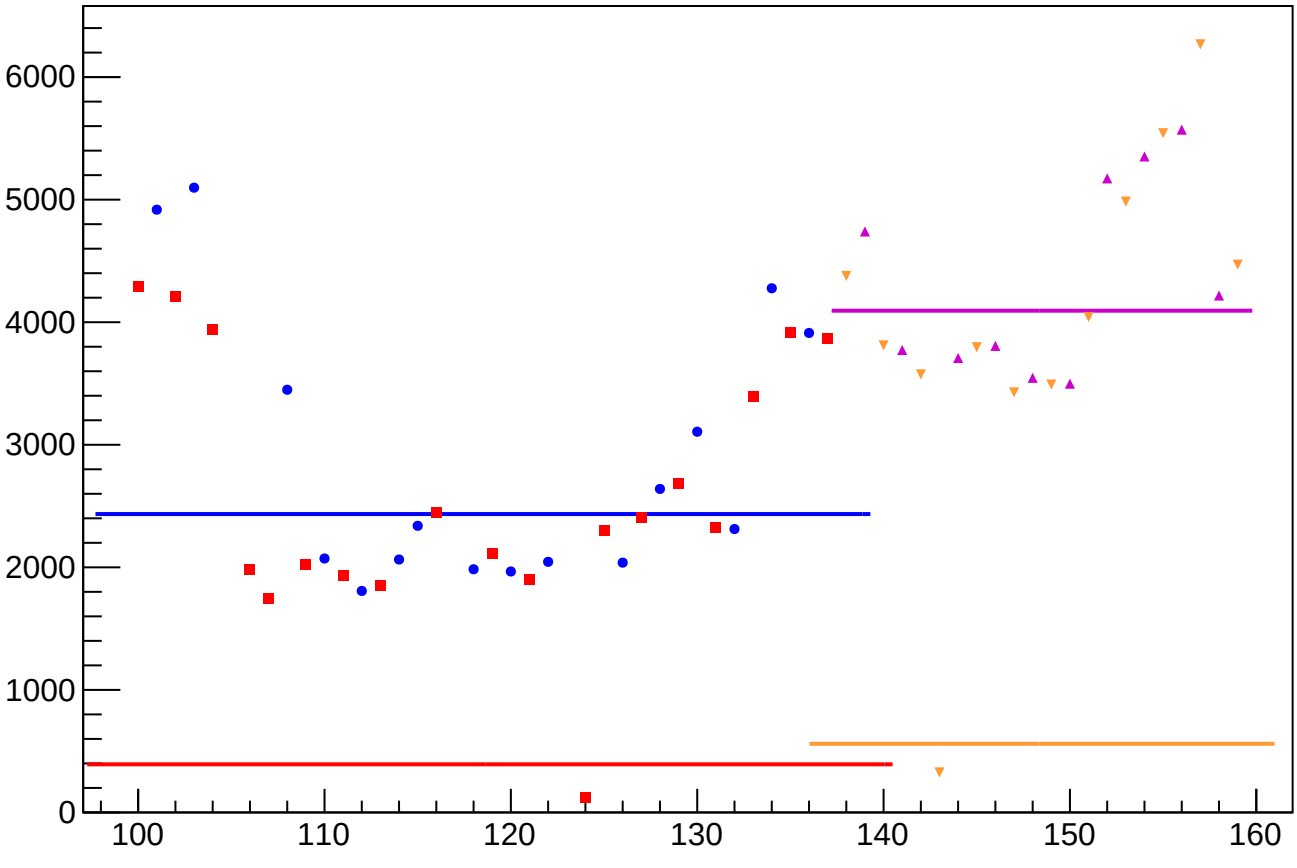
Left: 79.948+/-342.049 χ^2/NDF: 27.2/21

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -145.978+/-793.731 χ^2/NDF:20.3/25

Out: 17.525+/-235.228 χ^2/NDF:43.1/30

All: 4.324+/-225.533 χ^2/NDF: 63.4/56



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 560.367+/-0.249 χ^2/NDF:13808002.6/11

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

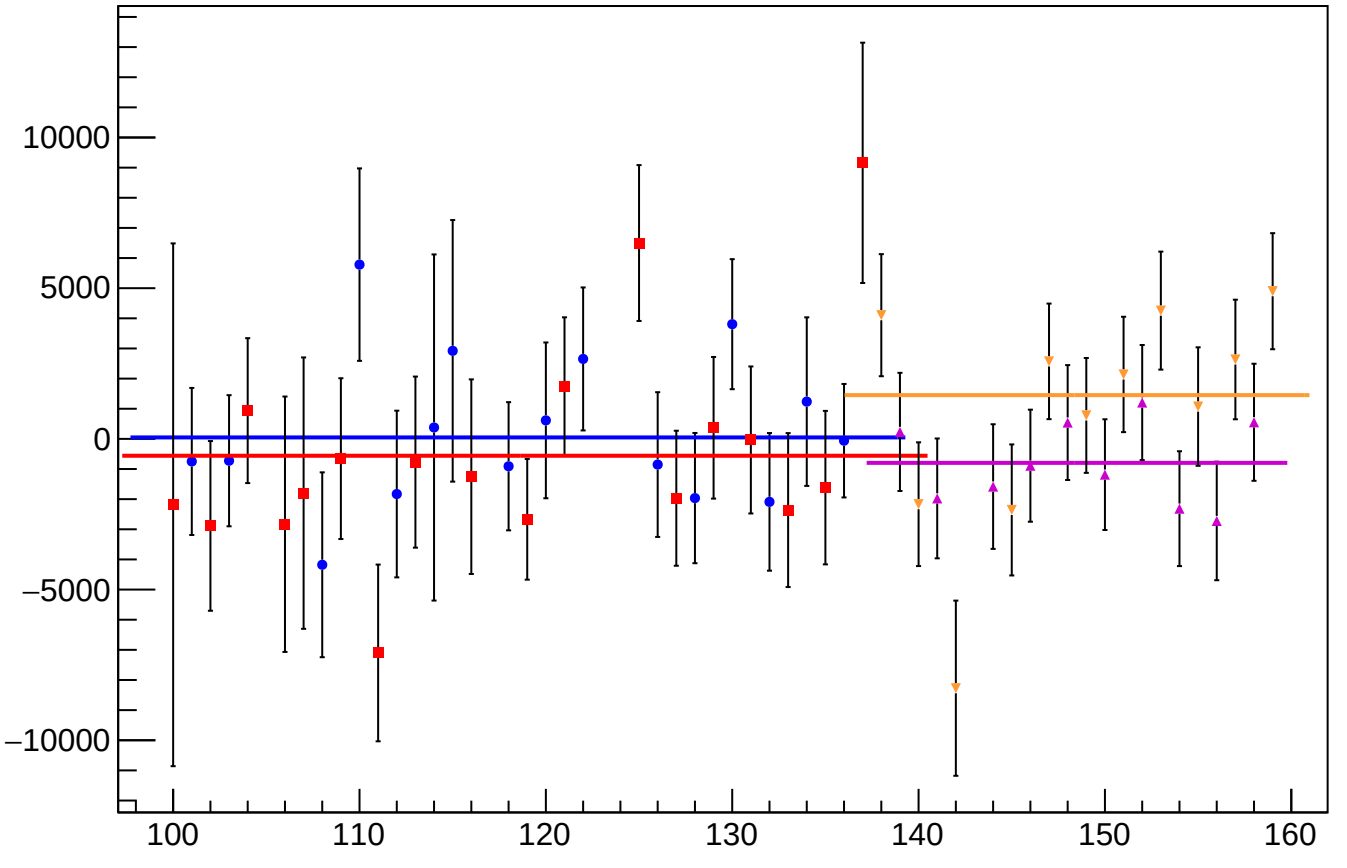
Left: 768.886+/-0.242 χ^2/NDF: 26114240.5/21

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2961.996+/-0.561 χ^2/NDF:3804566.4/25

Out: 467.297+/-0.166 χ^2/NDF:25467072.8/30

All: 668.712+/-0.159 χ^2/NDF: 47433470.5/56



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1452.158+/-611.437 χ^2/NDF:25.3/10

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -795.722+/-610.656 χ^2/NDF:4.5/9

Left: 326.781+/-432.075 χ^2/NDF: 36.6/20

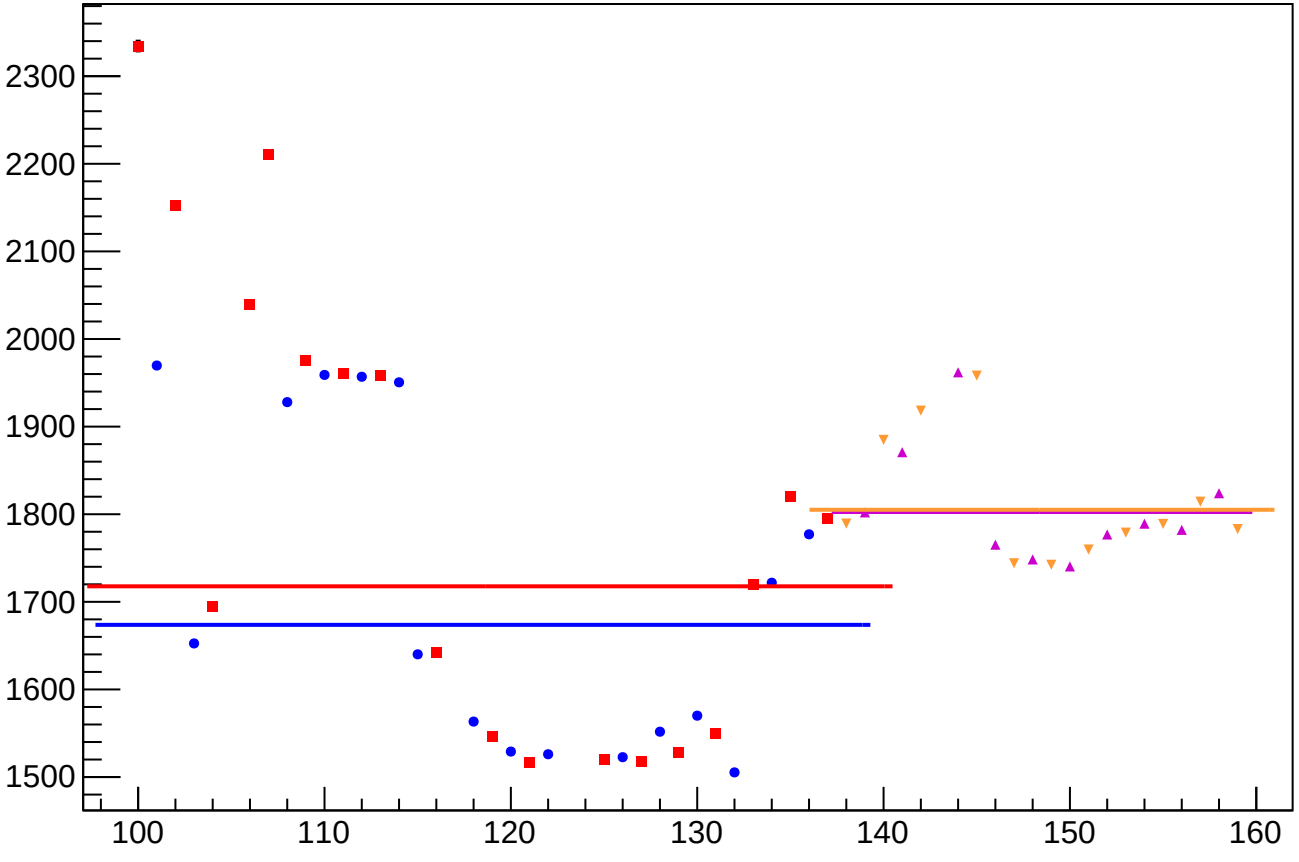
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -384.268+/-437.174 χ^2/NDF:18.2/25

Out: 500.433+/-443.837 χ^2/NDF:53.7/28

All: 51.392+/-311.458 χ^2/NDF: 74.0/54

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1805.089+/-0.432 χ^2/NDF:22219.6/10

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1802.564+/-0.432 χ^2/NDF:19872.0/9

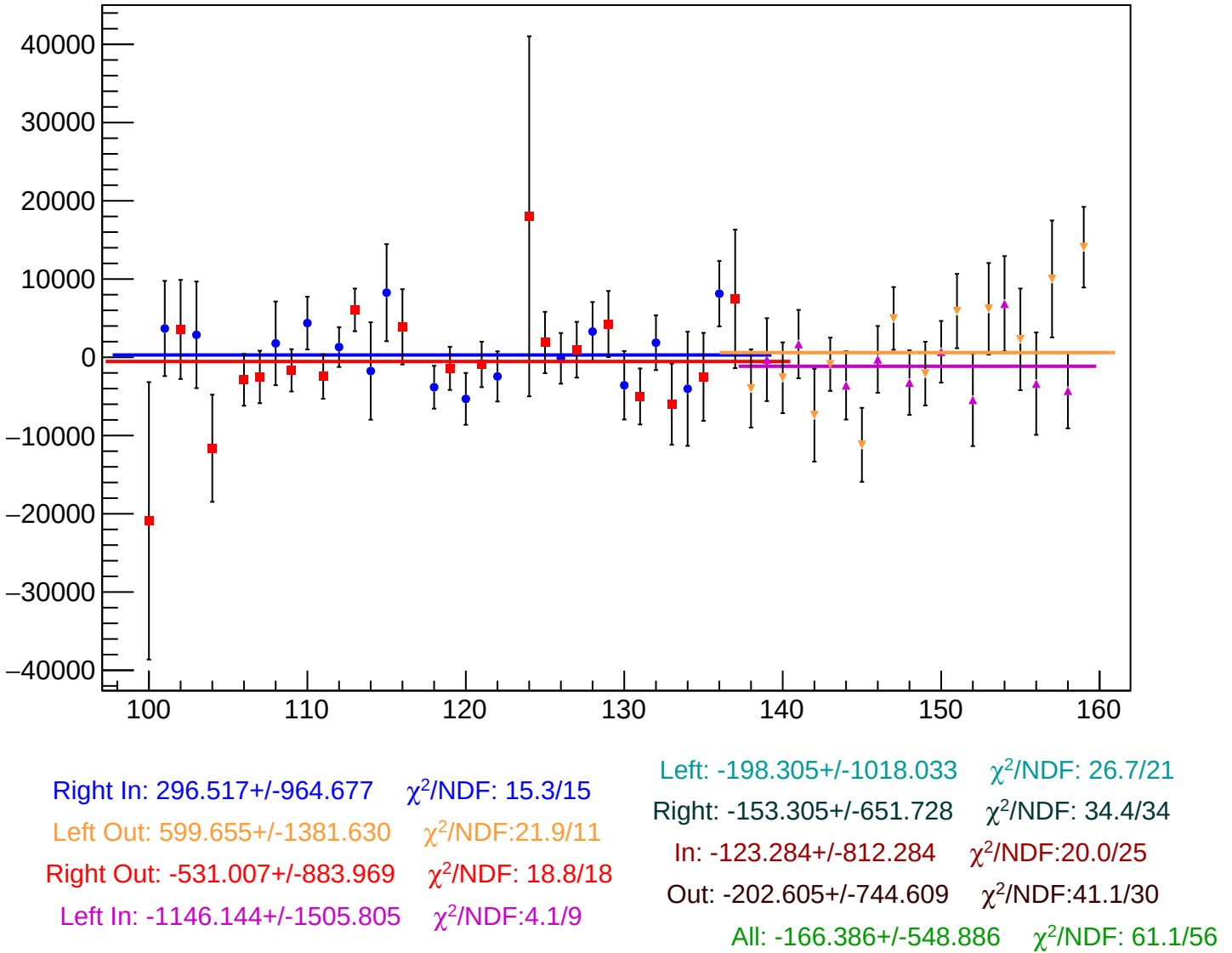
Left: 1803.825+/-0.306 χ^2/NDF: 42108.7/20

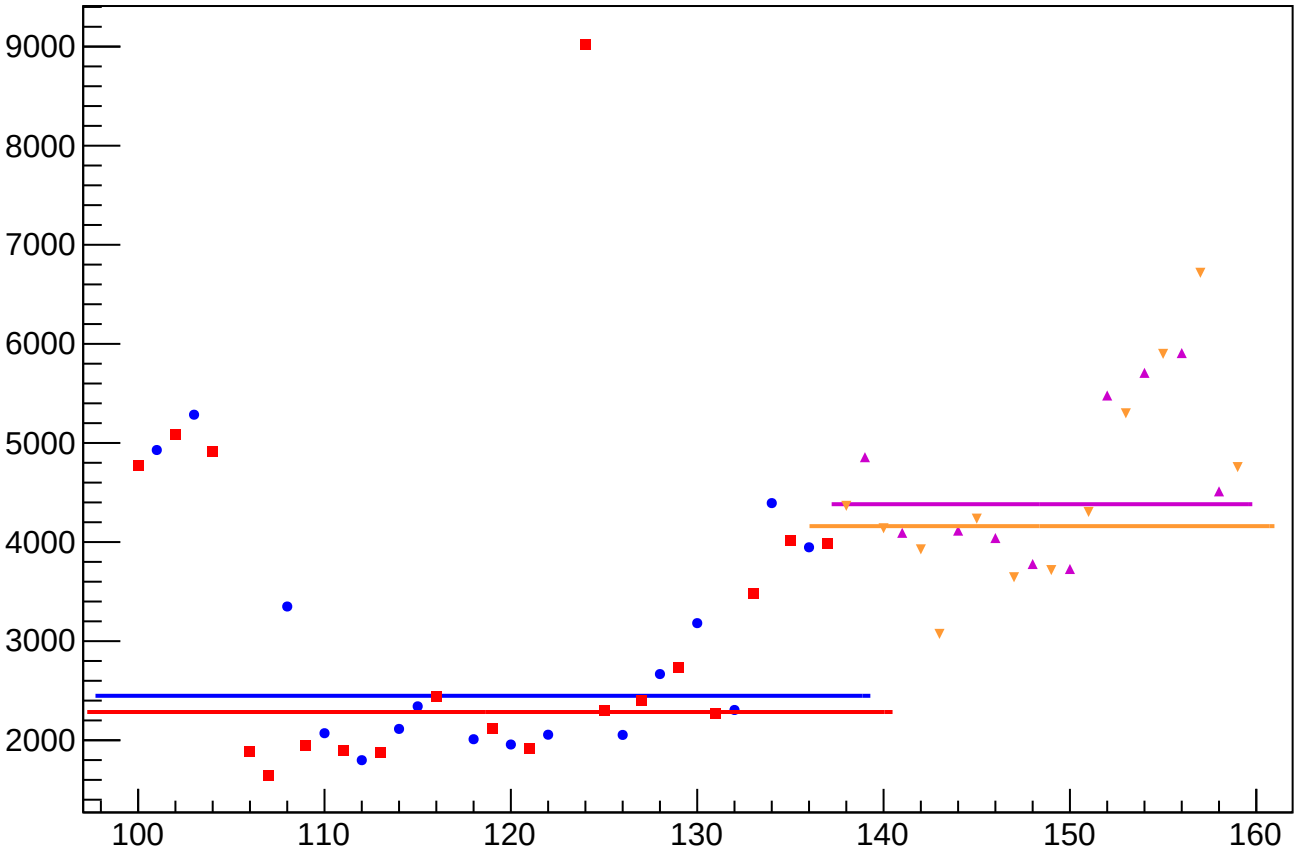
Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1739.760+/-0.309 χ^2/NDF:204141.9/25

Out: 1763.652+/-0.313 χ^2/NDF:269230.2/28

All: 1751.538+/-0.220 χ^2/NDF: 476317.0/54


asym_atl_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 296.517+/-964.677 χ²/NDF: 15.3/15
Left Out: 599.655+/-1381.630 χ²/NDF:21.9/11
Right Out: -531.007+/-883.969 χ²/NDF: 18.8/18
Left In: -1146.144+/-1505.805 χ²/NDF:4.1/9
Left: -198.305+/-1018.033 χ²/NDF: 26.7/21
Right: -153.305+/-651.728 χ²/NDF: 34.4/34
In: -123.284+/-812.284 χ²/NDF:20.0/25
Out: -202.605+/-744.609 χ²/NDF:41.1/30
All: -166.386+/-548.886 χ²/NDF: 61.1/56



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4160.679+/-0.977 χ^2/NDF:750010.9/11

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4382.045+/-1.065 χ^2/NDF:416963.2/9

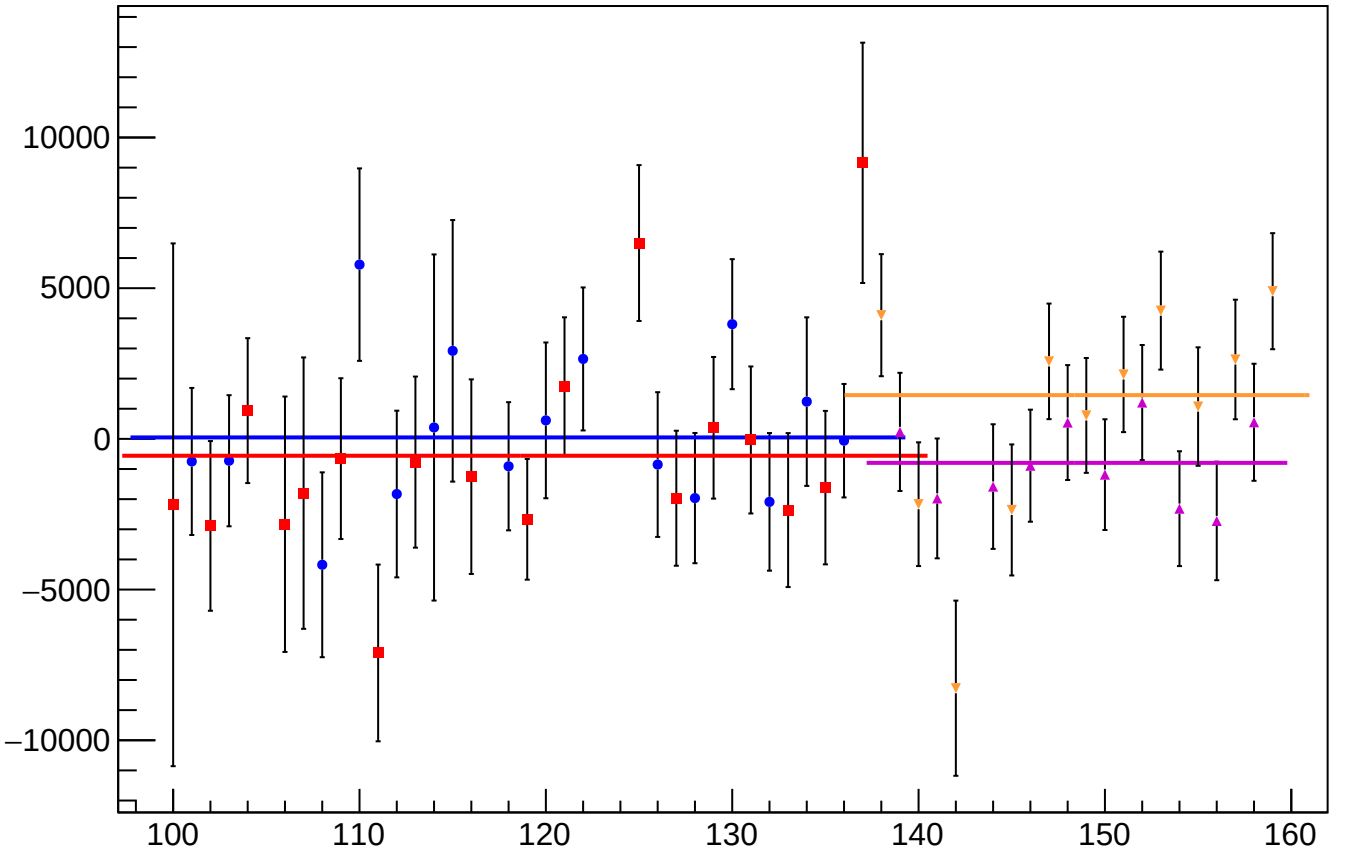
Left: 4261.860+/-0.720 χ^2/NDF: 1190440.8/21

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3011.213+/-0.574 χ^2/NDF:4272358.2/25

Out: 2829.846+/-0.527 χ^2/NDF:4914069.6/30

All: 2912.660+/-0.388 χ^2/NDF: 9240607.9/56



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1452.160+/-611.438 χ^2/NDF:25.3/10

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -795.725+/-610.656 χ^2/NDF:4.5/9

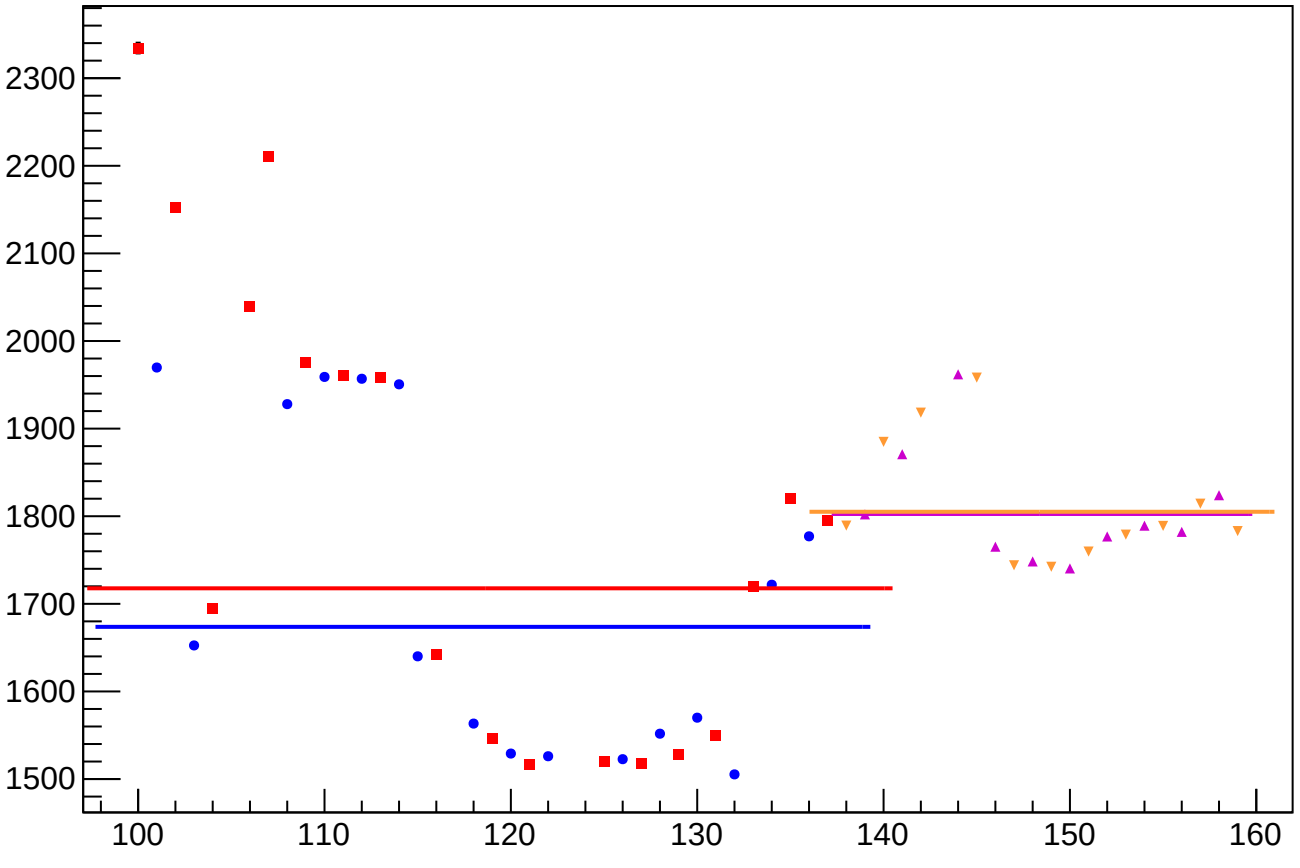
Left: 326.780+/-432.075 χ^2/NDF: 36.6/20

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -384.270+/-437.174 χ^2/NDF:18.2/25

Out: 500.433+/-443.837 χ^2/NDF:53.7/28

All: 51.391+/-311.458 χ^2/NDF: 74.0/54



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1805.090+/-0.432 χ^2/NDF:22220.1/10

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1802.565+/-0.432 χ^2/NDF:19872.2/9

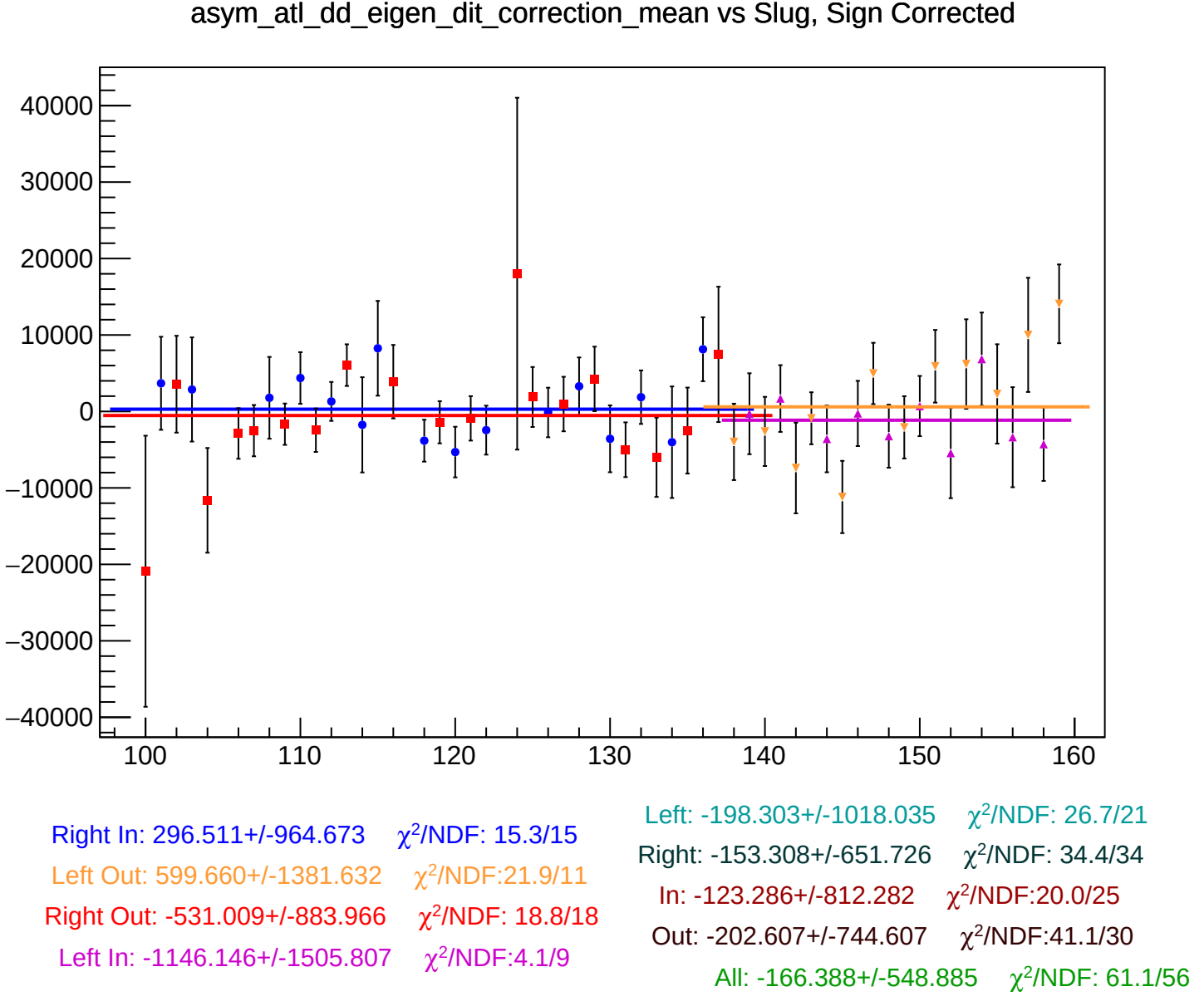
Left: 1803.826+/-0.306 χ^2/NDF: 42109.4/20

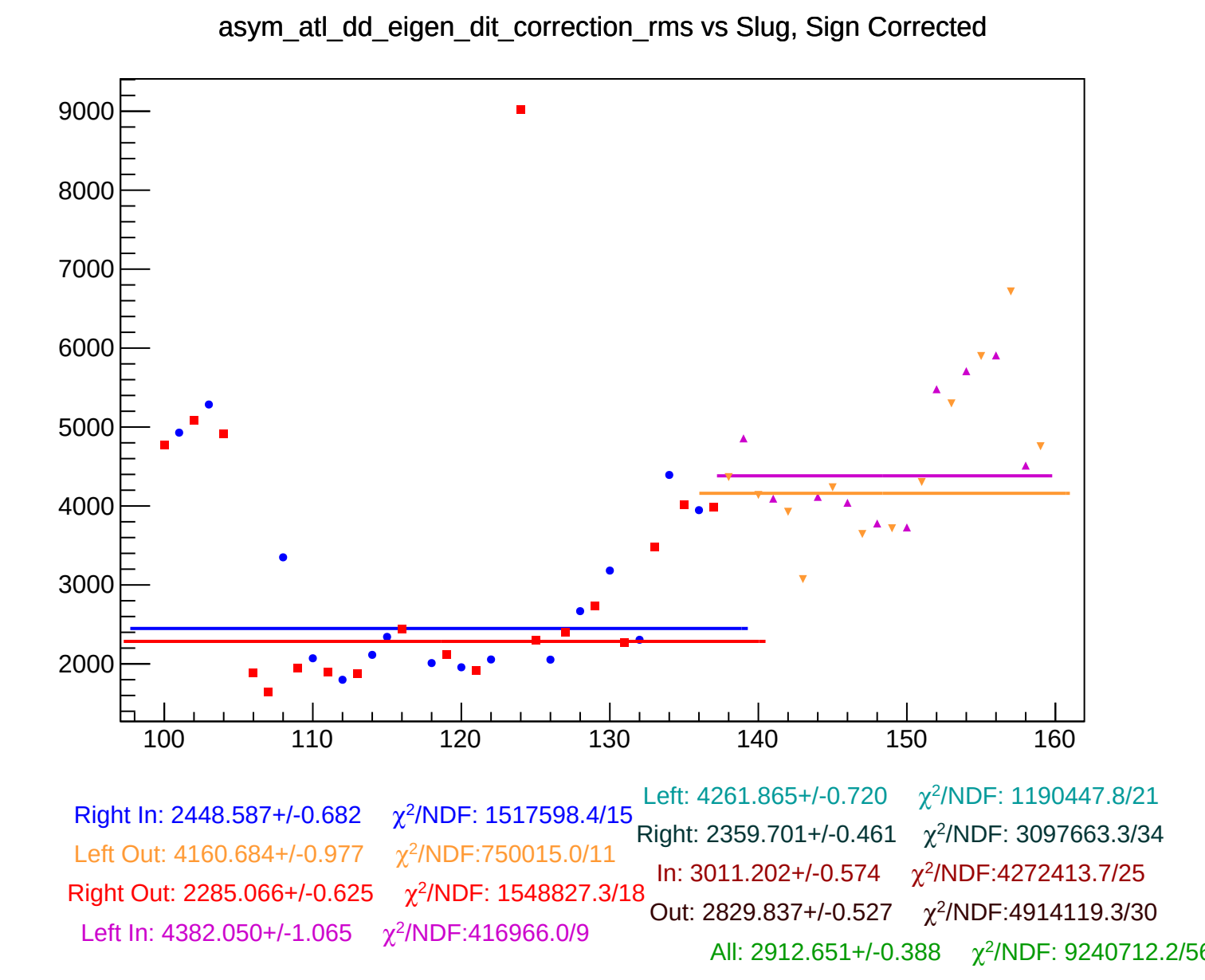
Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1739.760+/-0.309 χ^2/NDF:204143.0/25

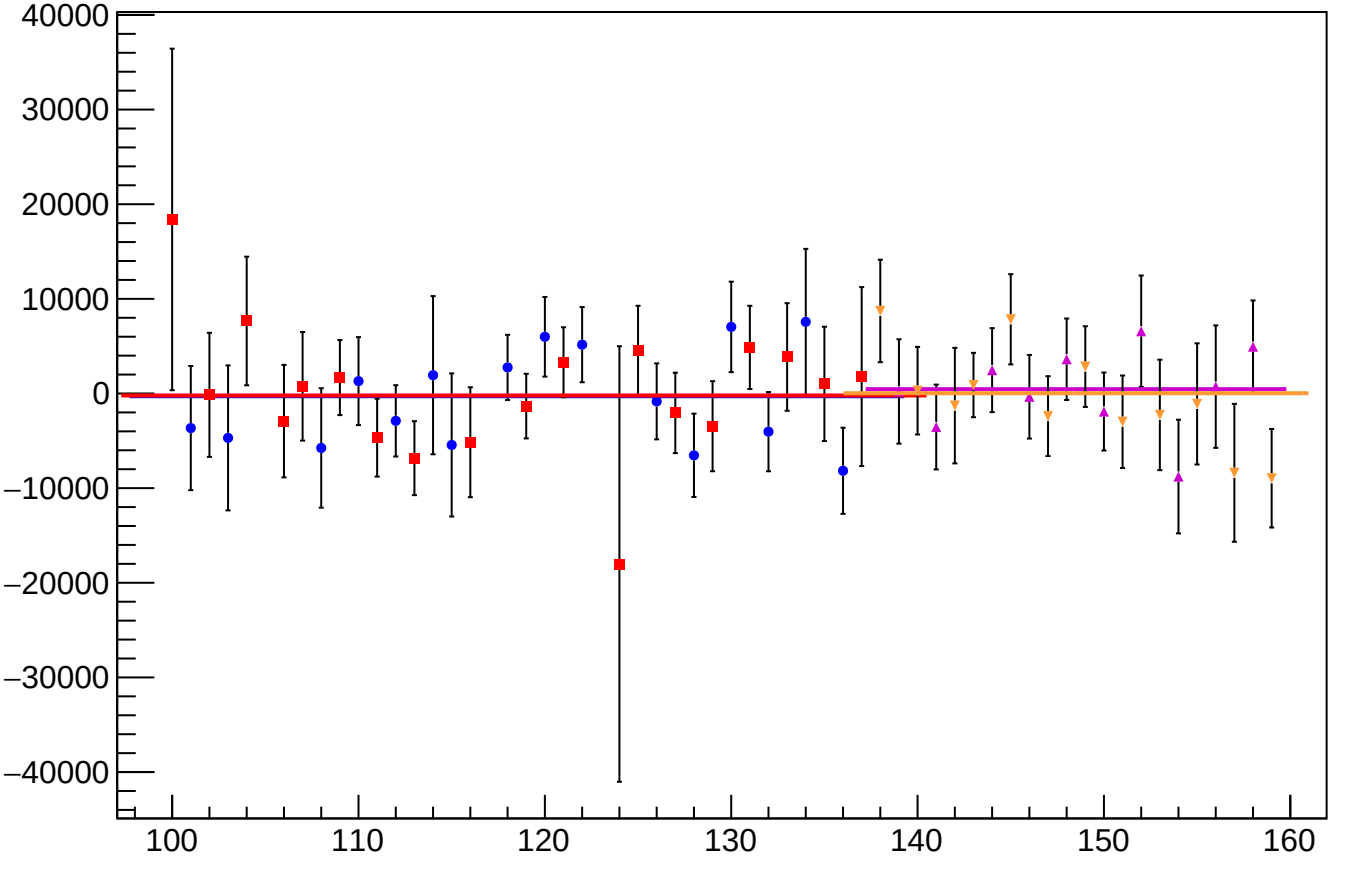
Out: 1763.652+/-0.313 χ^2/NDF:269230.4/28

All: 1751.539+/-0.220 χ^2/NDF: 476318.2/54


asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 296.511+/-964.673 χ²/NDF: 15.3/15
Left Out: 599.660+/-1381.632 χ²/NDF:21.9/11
Right Out: -531.009+/-883.966 χ²/NDF: 18.8/18
Left In: -1146.146+/-1505.807 χ²/NDF:4.1/9
Left: -198.303+/-1018.035 χ²/NDF: 26.7/21
Right: -153.308+/-651.726 χ²/NDF: 34.4/34
In: -123.286+/-812.282 χ²/NDF:20.0/25
Out: -202.607+/-744.607 χ²/NDF:41.1/30
All: -166.388+/-548.885 χ²/NDF: 61.1/56


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2448.587+/-0.682 χ²/NDF: 1517598.4/15
Left Out: 4160.684+/-0.977 χ²/NDF:750015.0/11
Right Out: 2285.066+/-0.625 χ²/NDF: 1548827.3/18
Left In: 4382.050+/-1.065 χ²/NDF:416966.0/9
Left: 4261.865+/-0.720 χ²/NDF: 1190447.8/21
Right: 2359.701+/-0.461 χ²/NDF: 3097663.3/34
In: 3011.202+/-0.574 χ²/NDF:4272413.7/25
Out: 2829.837+/-0.527 χ²/NDF:4914119.3/30
All: 2912.651+/-0.388 χ²/NDF: 9240712.2/56

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 29.546+/-1413.415 χ^2/NDF:11.0/11

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 459.595+/-1543.272 χ^2/NDF:6.2/9

Left: 225.719+/-1042.325 χ^2/NDF: 17.3/21

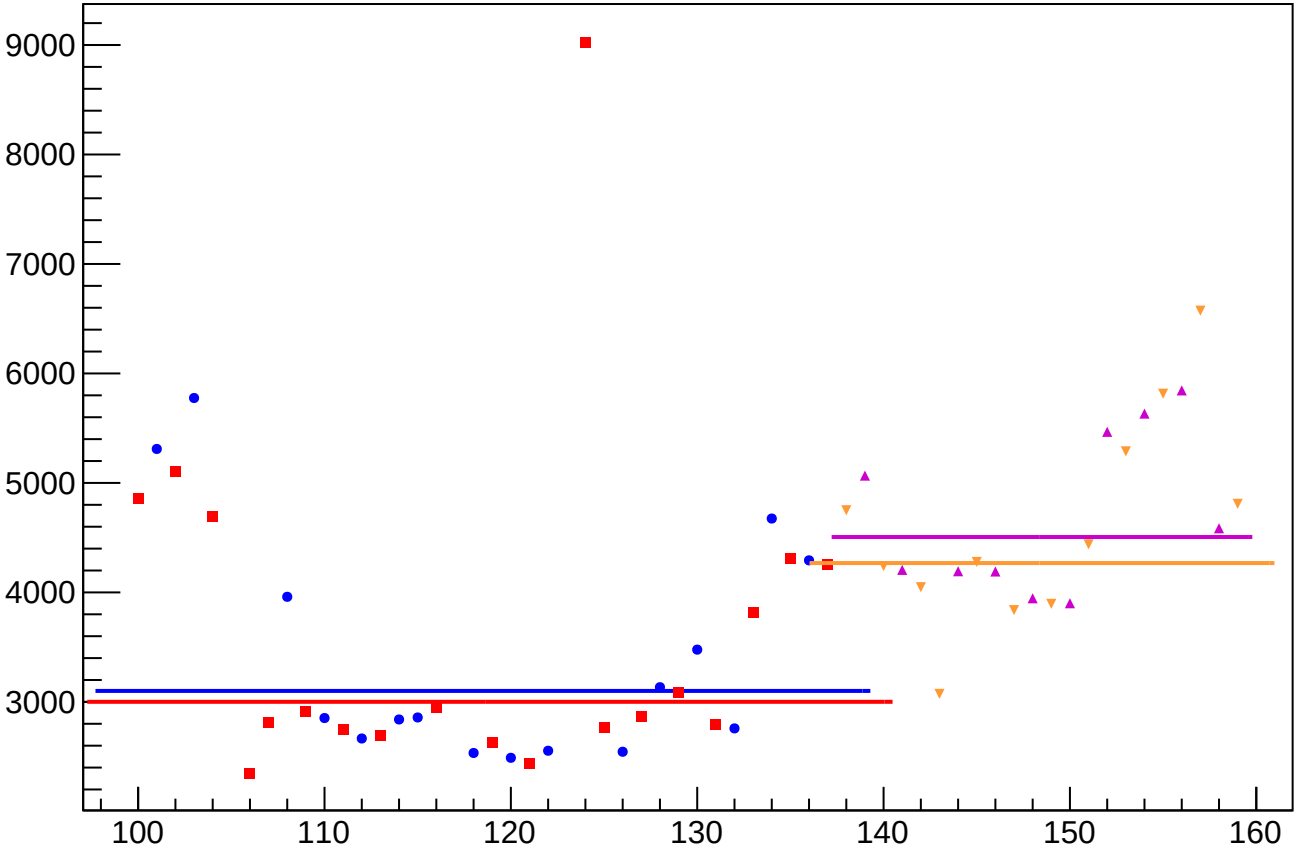
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -6.636+/-946.008 χ^2/NDF:22.9/25

Out: -113.896+/-893.780 χ^2/NDF:23.9/30

All: -63.308+/-649.677 χ^2/NDF: 46.8/56

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4268.136+/-0.999 χ^2/NDF:703549.2/11

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4506.030+/-1.091 χ^2/NDF:336574.3/9

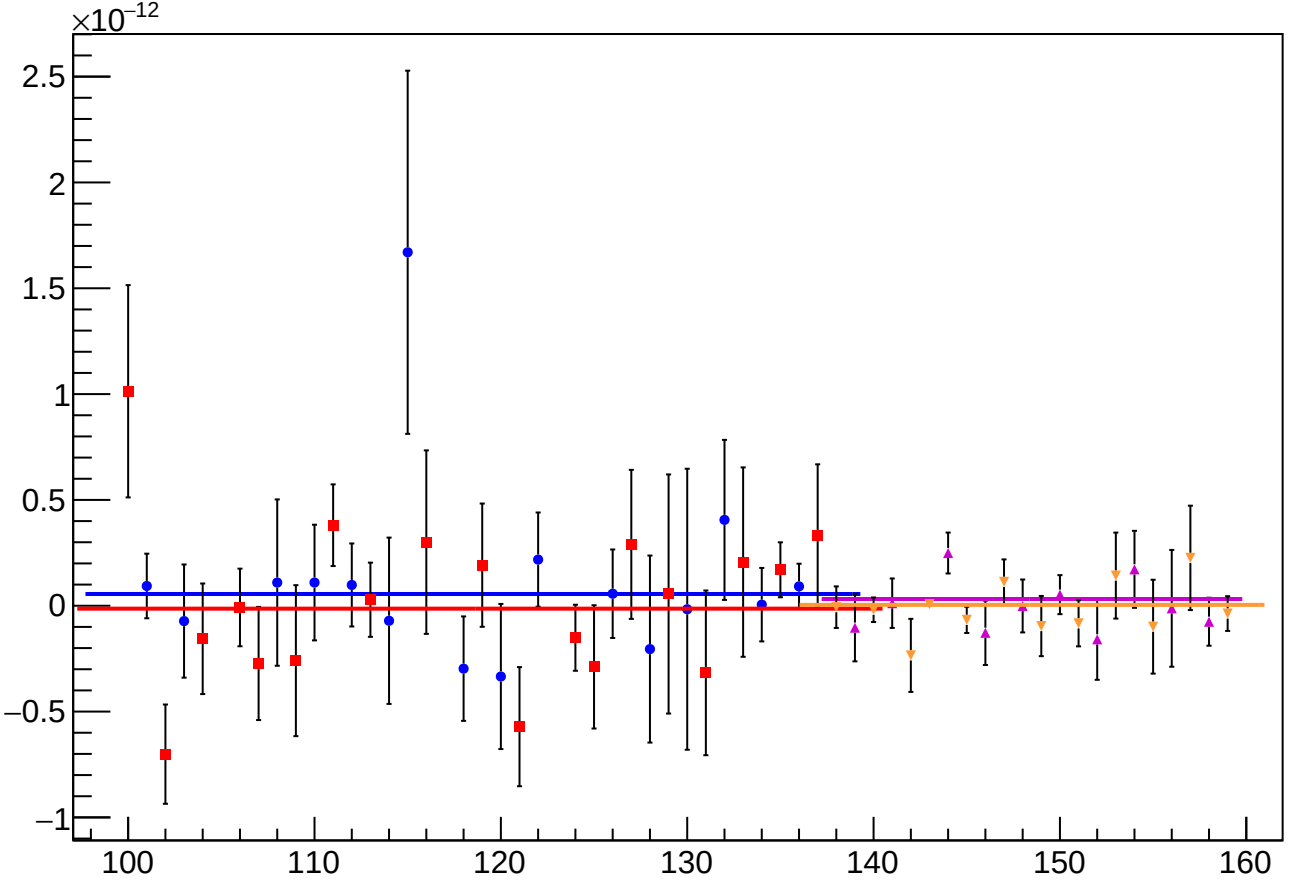
Left: 4376.655+/-0.737 χ^2/NDF: 1065968.5/21

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3628.406+/-0.669 χ^2/NDF:2336355.7/25

Out: 3499.299+/-0.627 χ^2/NDF:2485665.8/30

All: 3559.663+/-0.457 χ^2/NDF: 4841855.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/9

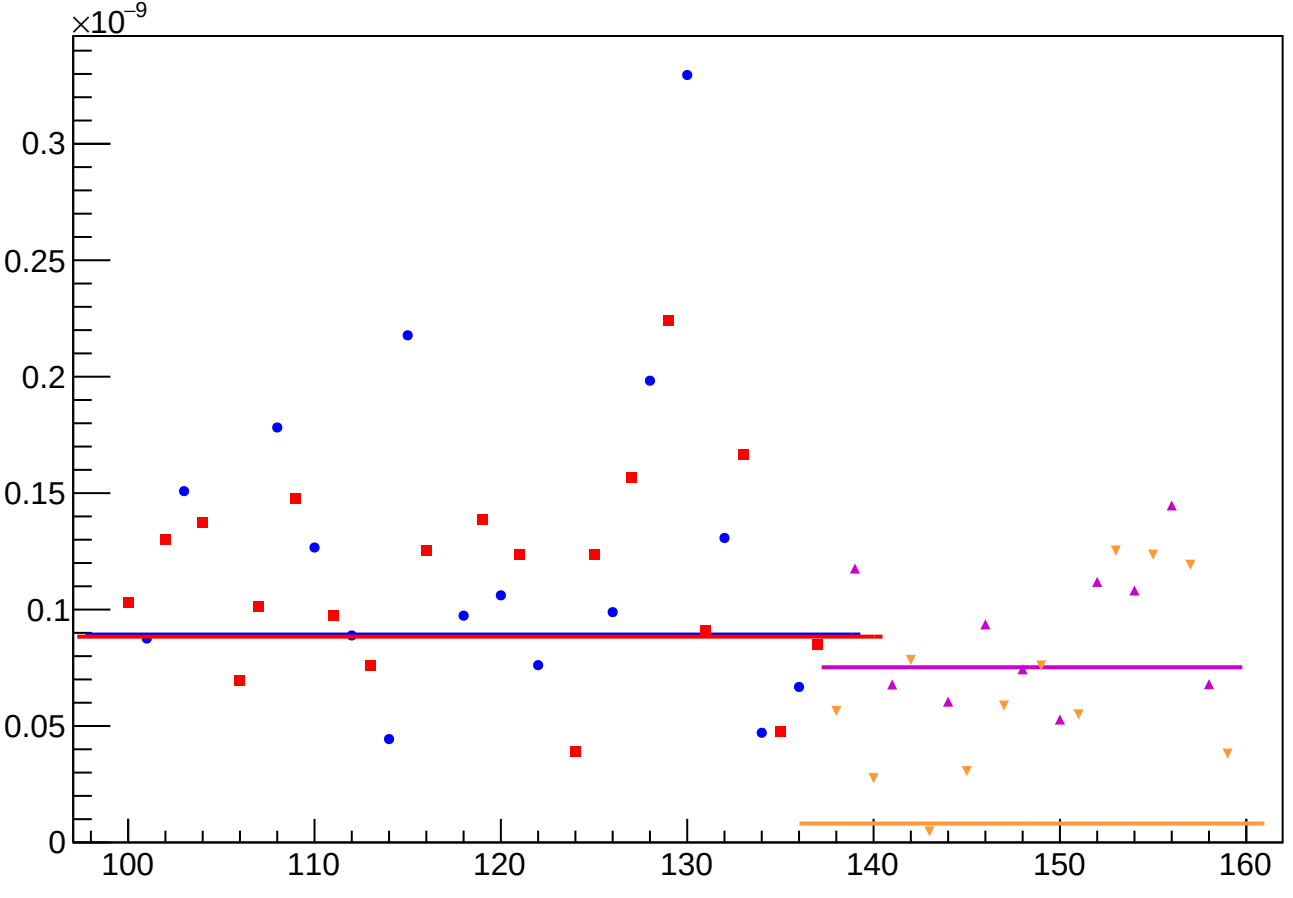
Left: 0.000+/-0.000 χ^2/NDF: 17.4/21

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:19.0/25

Out: 0.000+/-0.000 χ^2/NDF:37.6/30

All: 0.000+/-0.000 χ^2/NDF: 57.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4757203.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:618552.0/9

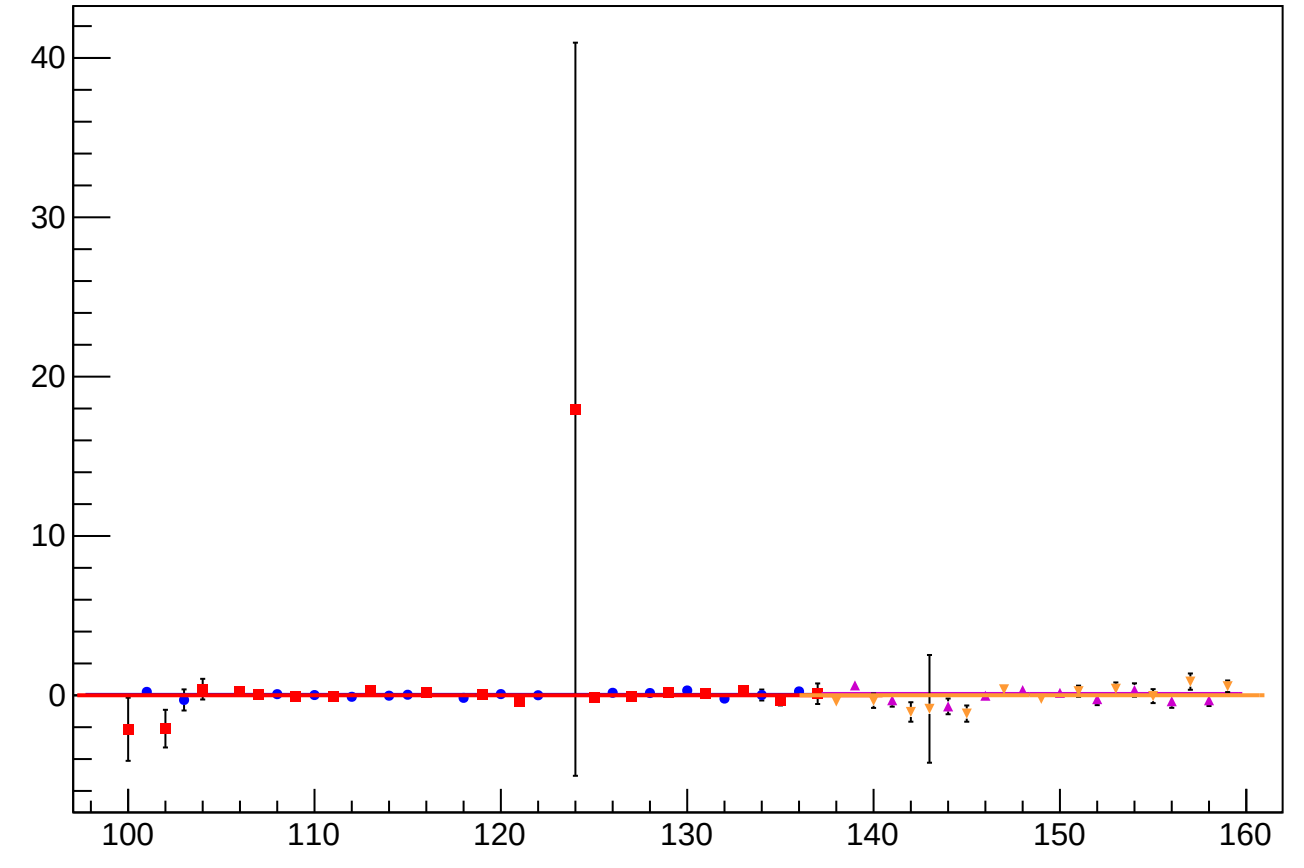
Left: 0.000+/-0.000 χ^2/NDF: 10493590.7/21

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1649099.5/25

Out: 0.000+/-0.000 χ^2/NDF:9816964.6/30

All: 0.000+/-0.000 χ^2/NDF: 19832673.9/56



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

Left: 0.048+/-0.078 χ^2/NDF: 32.7/21

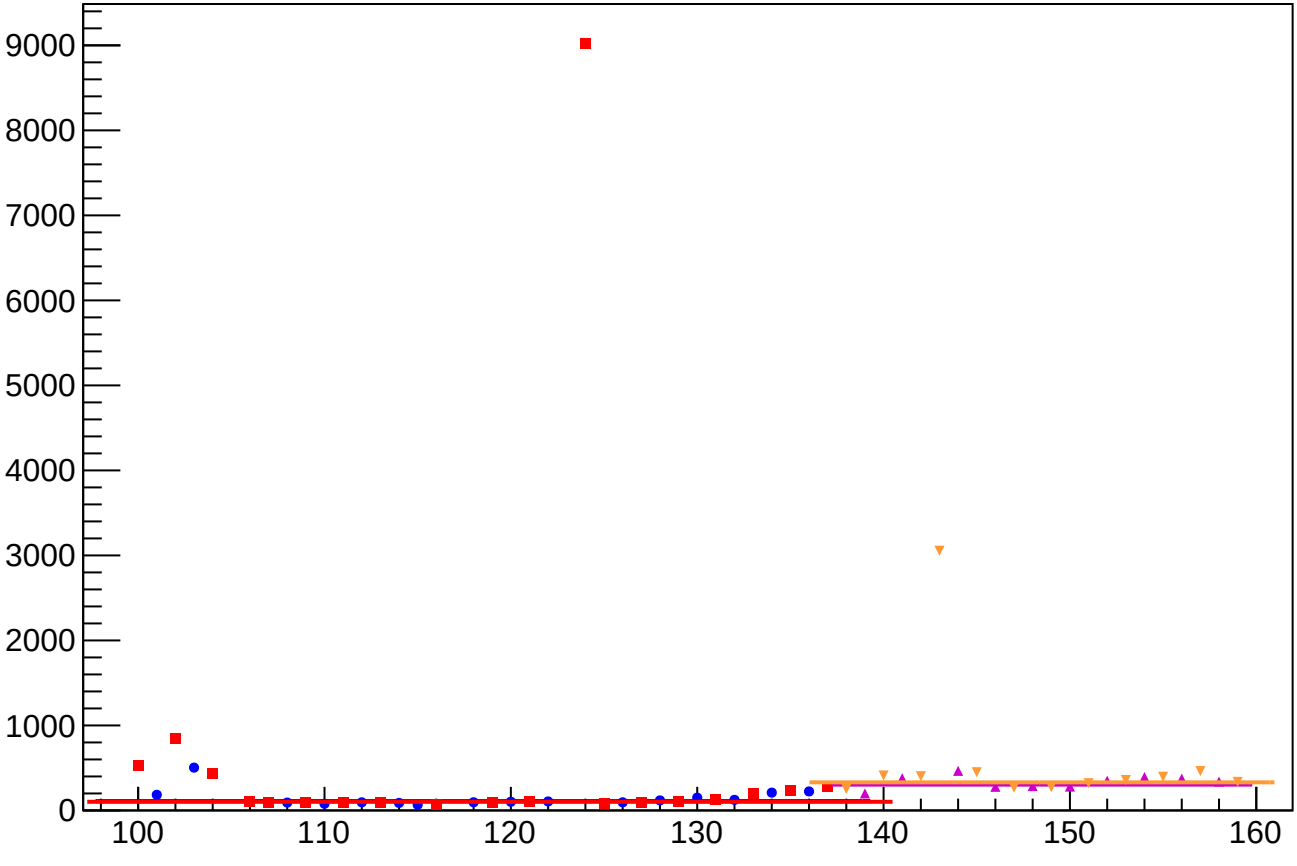
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.020+/-0.029 χ^2/NDF: 64.2/56

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.646+/-0.081 χ^2/NDF:1991195.2/11

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

Left: 316.497+/-0.055 χ^2/NDF: 2962213.1/21

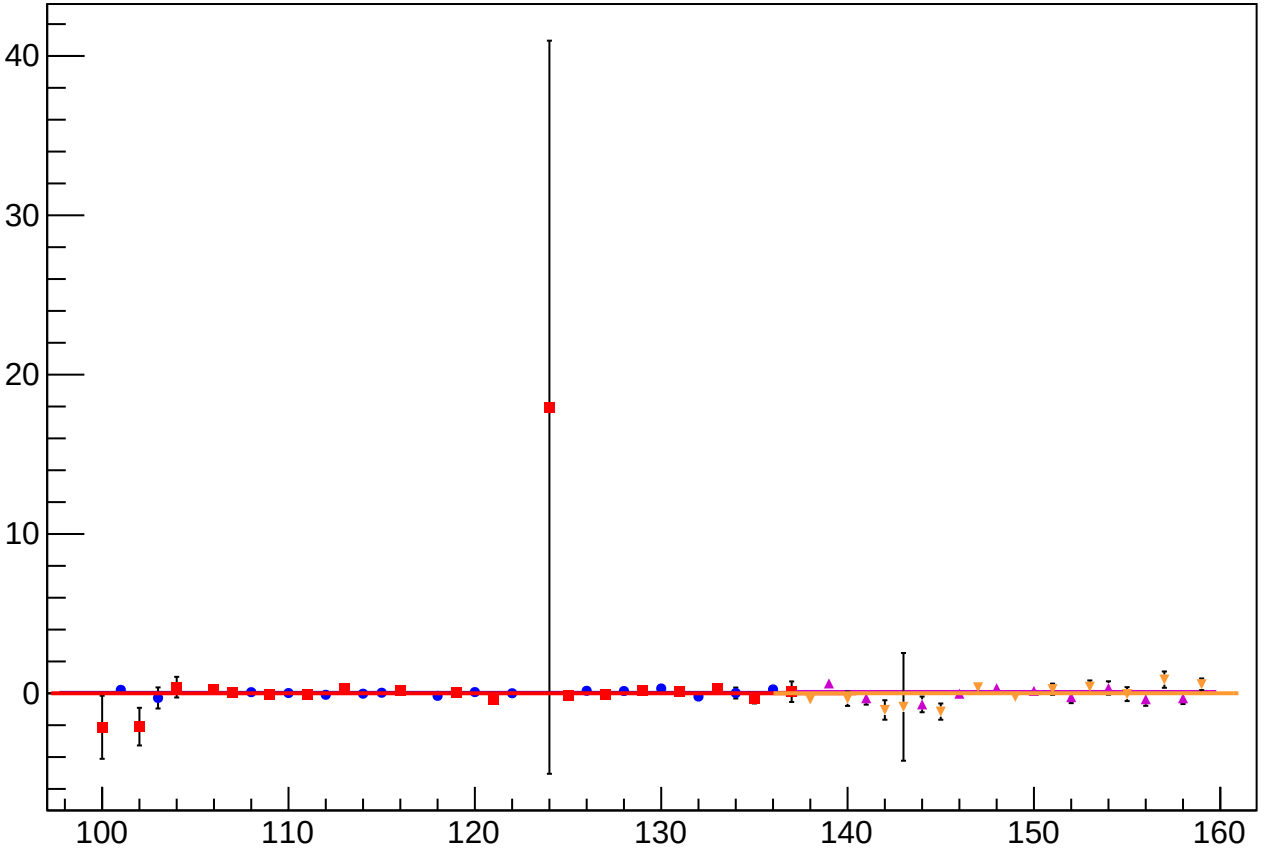
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 139.458+/-0.029 χ^2/NDF:8416662.2/25

Out: 130.762+/-0.029 χ^2/NDF:11613782.4/30

All: 134.985+/-0.021 χ^2/NDF: 20075134.7/56

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: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

Left: 0.048+/-0.078 χ^2/NDF: 32.7/21

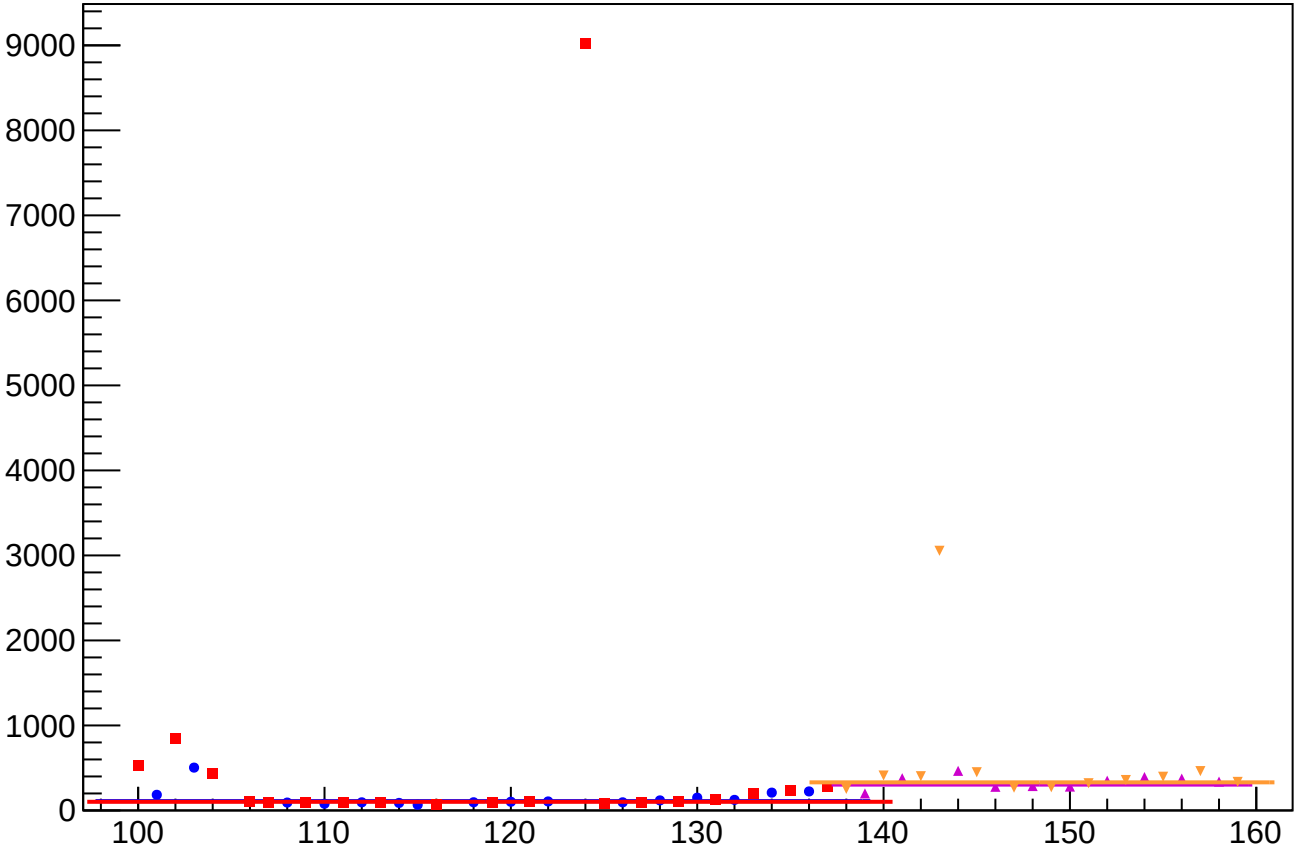
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.020+/-0.029 χ^2/NDF: 64.2/56

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: 330.646+/-0.081 χ^2/NDF:1991195.2/11

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

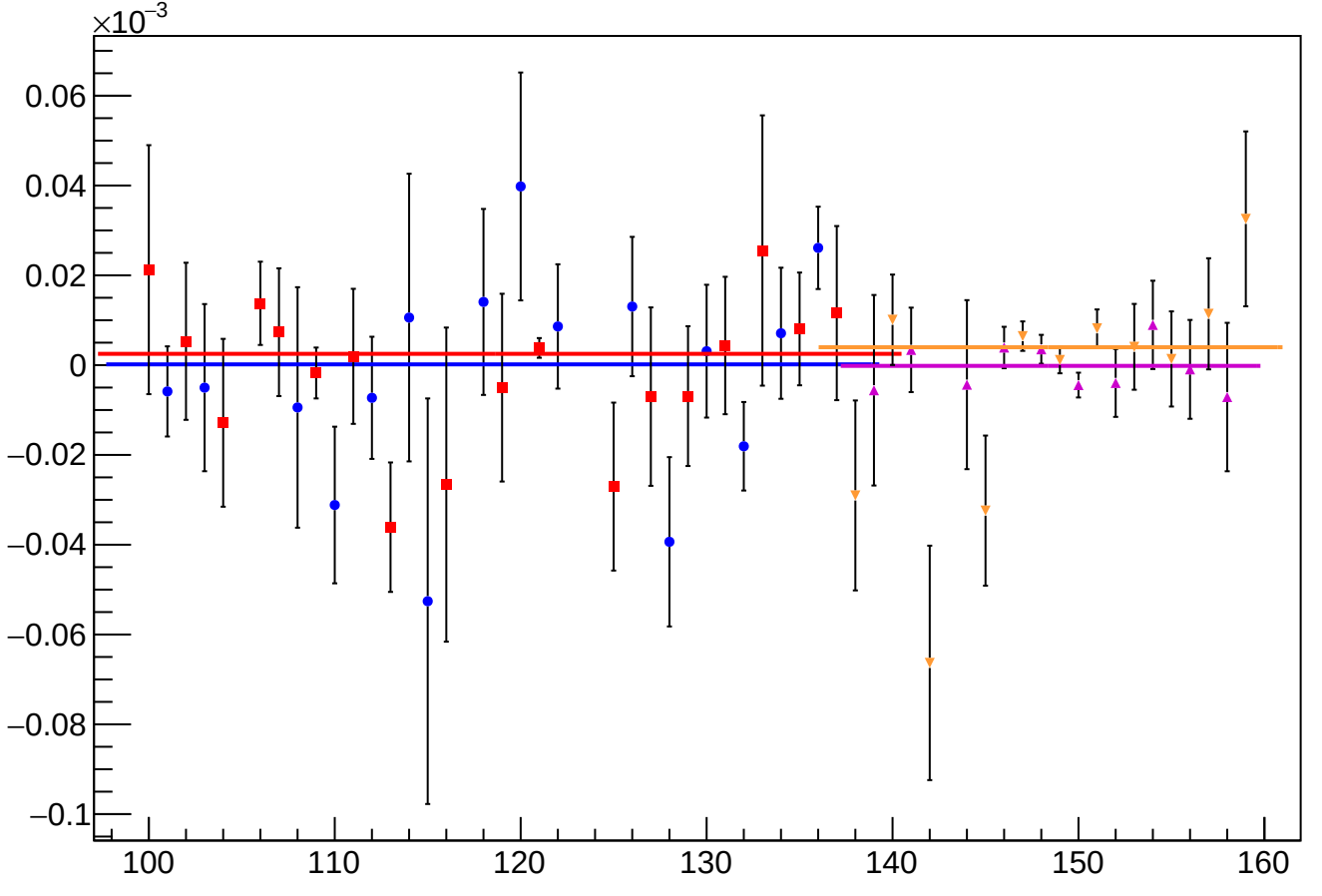
Left: 316.497+/-0.055 χ^2/NDF: 2962213.1/21

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 139.458+/-0.029 χ^2/NDF:8416662.2/25

Out: 130.762+/-0.029 χ^2/NDF:11613782.4/30

All: 134.985+/-0.021 χ^2/NDF: 20075134.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

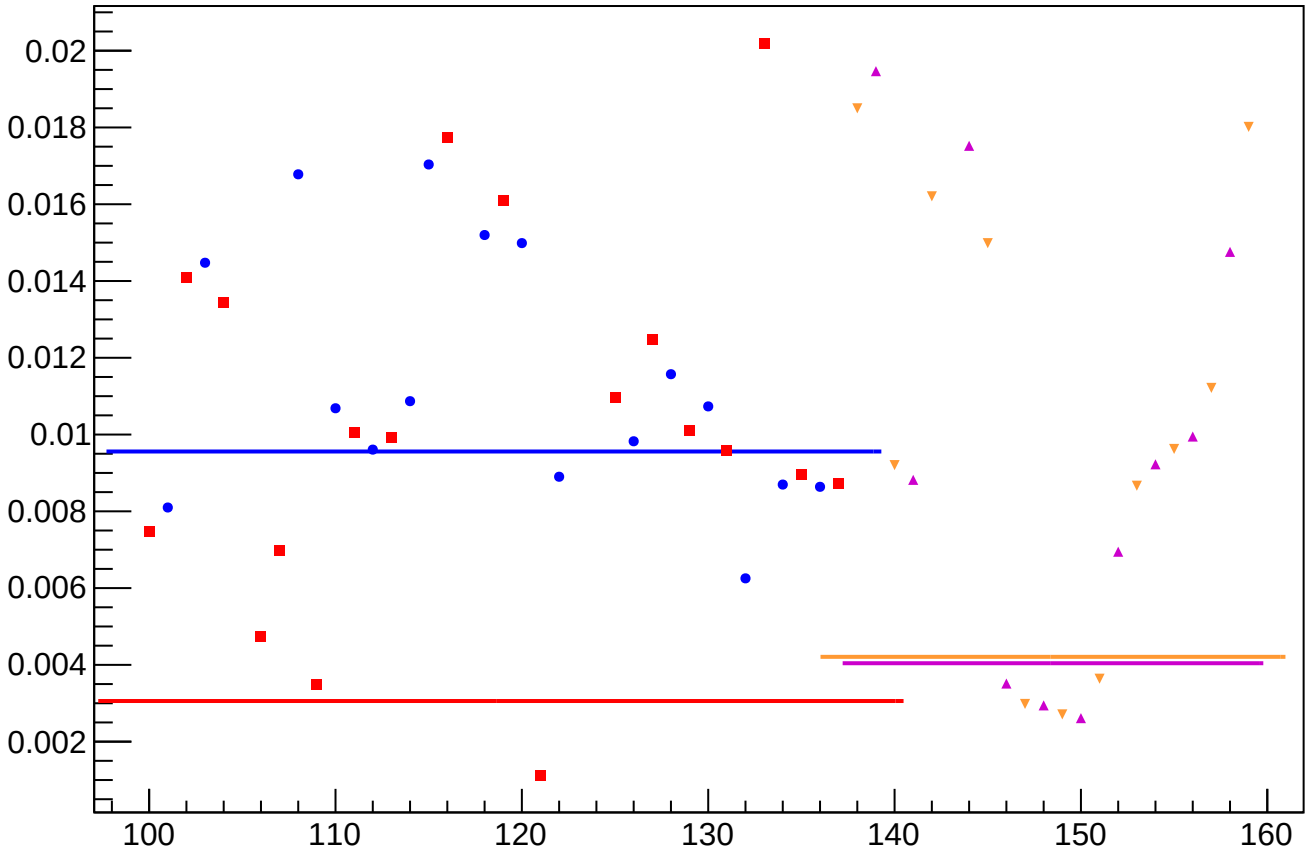
Left: 0.000+/-0.000 χ^2/NDF: 28.7/20

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:31.7/25

Out: 0.000+/-0.000 χ^2/NDF:36.0/28

All: 0.000+/-0.000 χ^2/NDF: 70.4/54



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:6090719.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:5662225.9/9

Left: 0.004+/-0.000 χ^2/NDF: 11761817.9/20

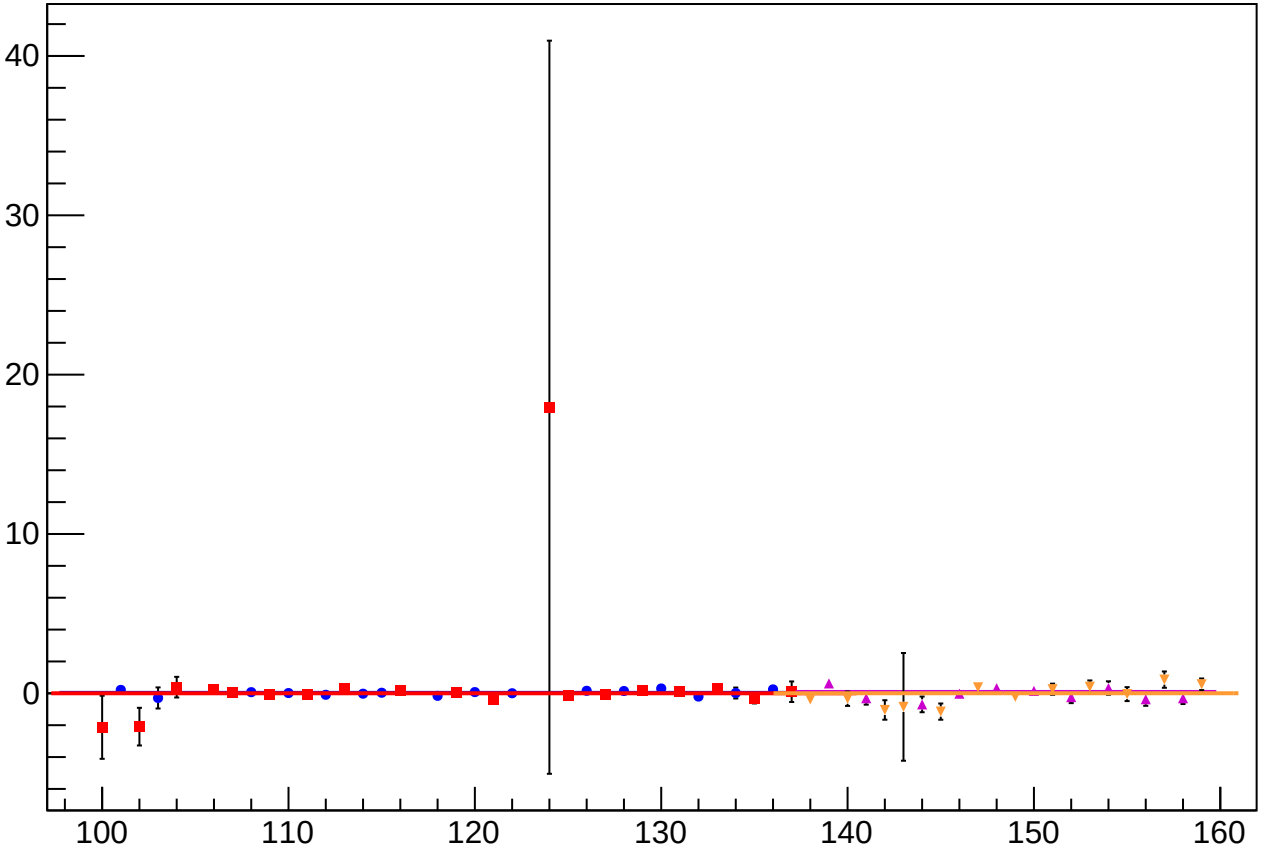
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10181251.0/25

Out: 0.004+/-0.000 χ^2/NDF:14615781.6/28

All: 0.004+/-0.000 χ^2/NDF: 25724360.1/54

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: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

Left: 0.048+/-0.078 χ^2/NDF: 32.7/21

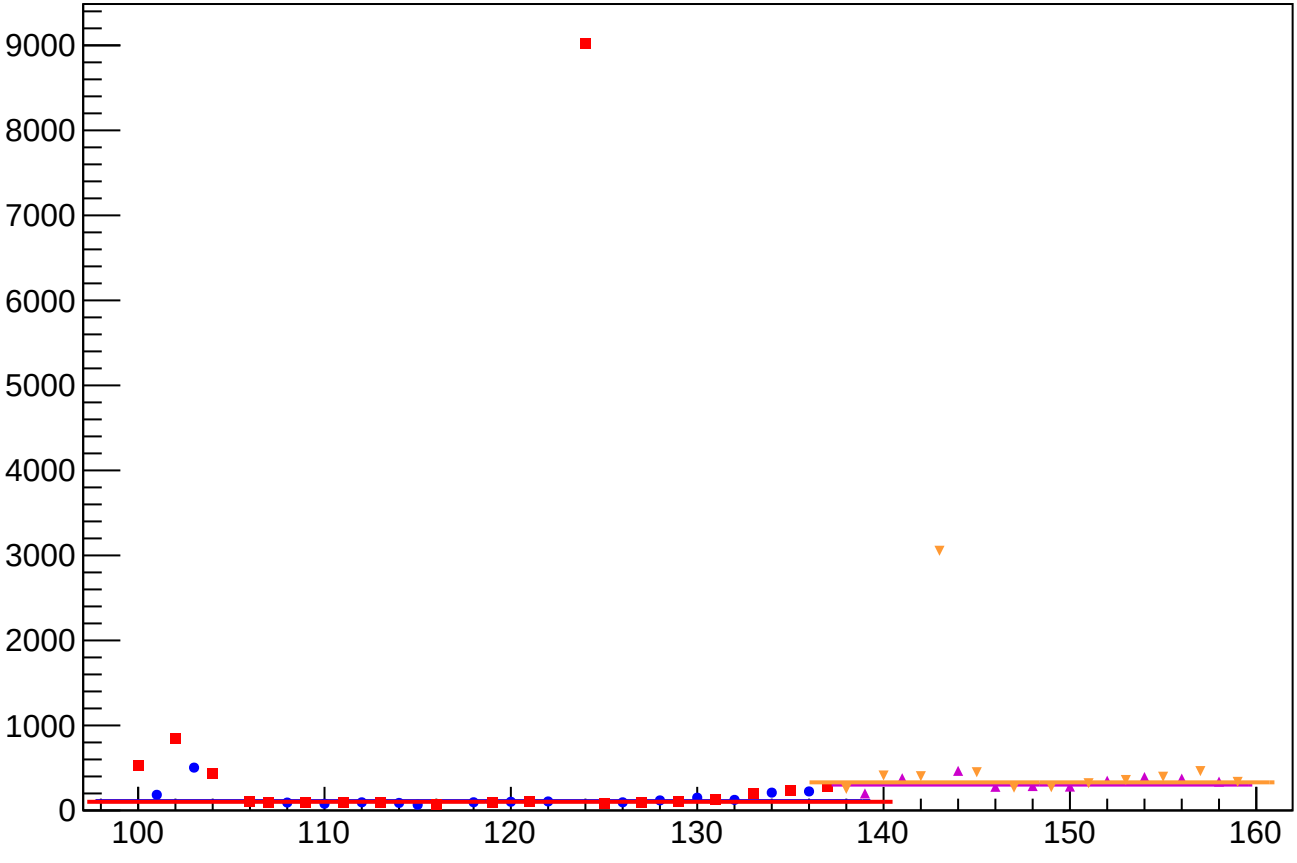
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.020+/-0.029 χ^2/NDF: 64.2/56

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.649+/-0.081 χ^2/NDF:1991242.2/11

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

Left: 316.500+/-0.055 χ^2/NDF: 2962234.0/21

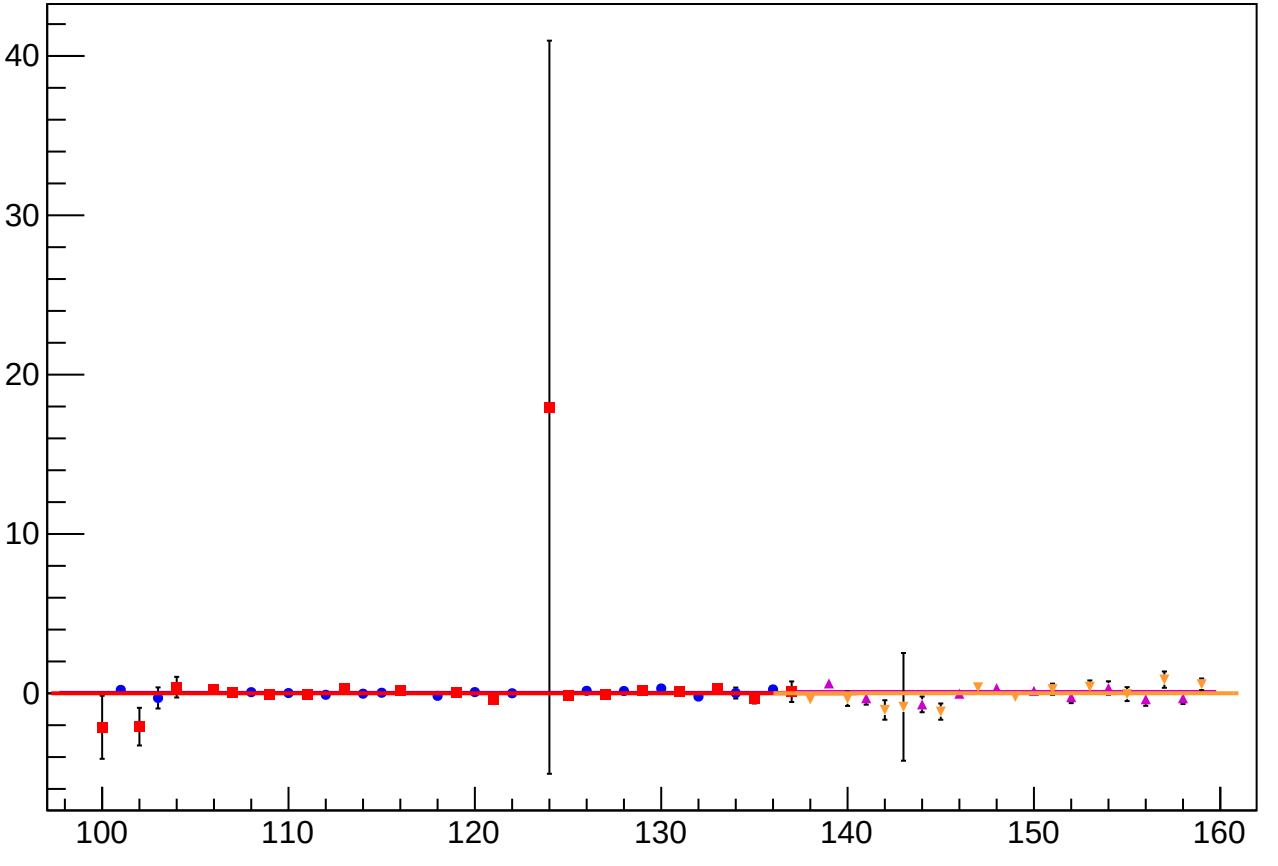
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 139.459+/-0.030 χ^2/NDF:8416637.2/25

Out: 130.764+/-0.029 χ^2/NDF:11613713.5/30

All: 134.987+/-0.021 χ^2/NDF: 20075036.0/56

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: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

Left: 0.048+/-0.078 χ^2/NDF: 32.7/21

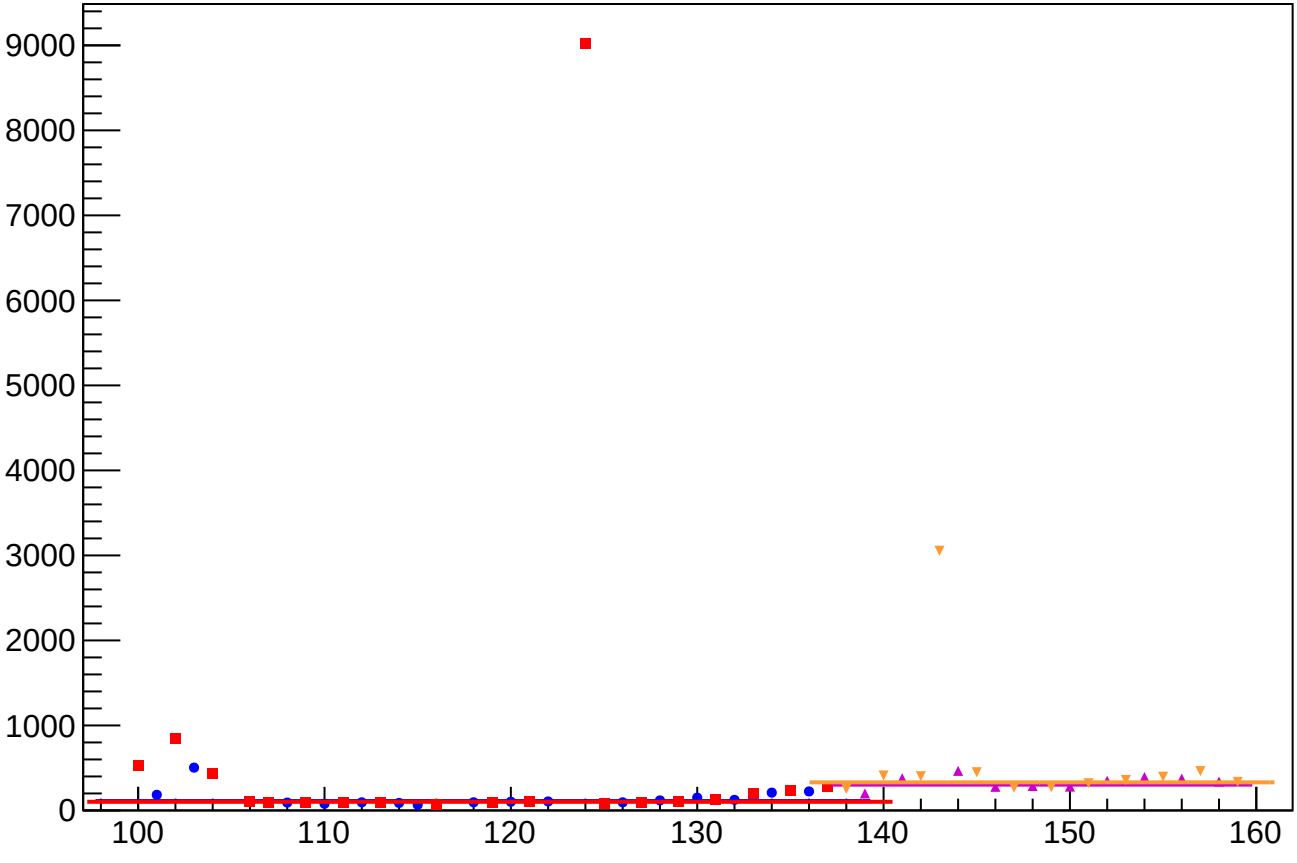
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.020+/-0.029 χ^2/NDF: 64.2/56

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: 330.649+/-0.081 χ^2/NDF:1991242.2/11

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

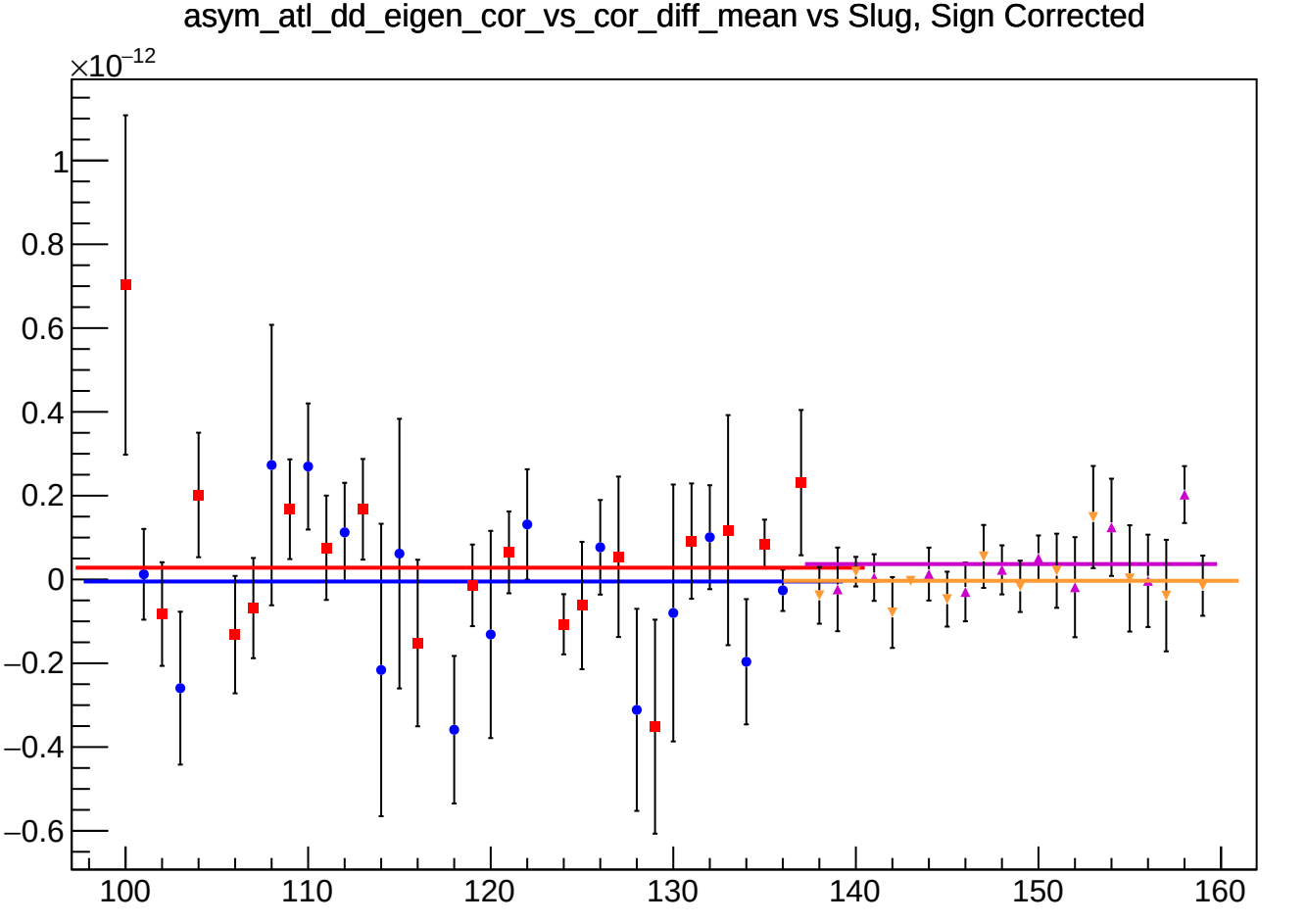
Left: 316.500+/-0.055 χ^2/NDF: 2962234.0/21

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 139.459+/-0.030 χ^2/NDF:8416637.2/25

Out: 130.764+/-0.029 χ^2/NDF:11613713.5/30

All: 134.987+/-0.021 χ^2/NDF: 20075036.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/9

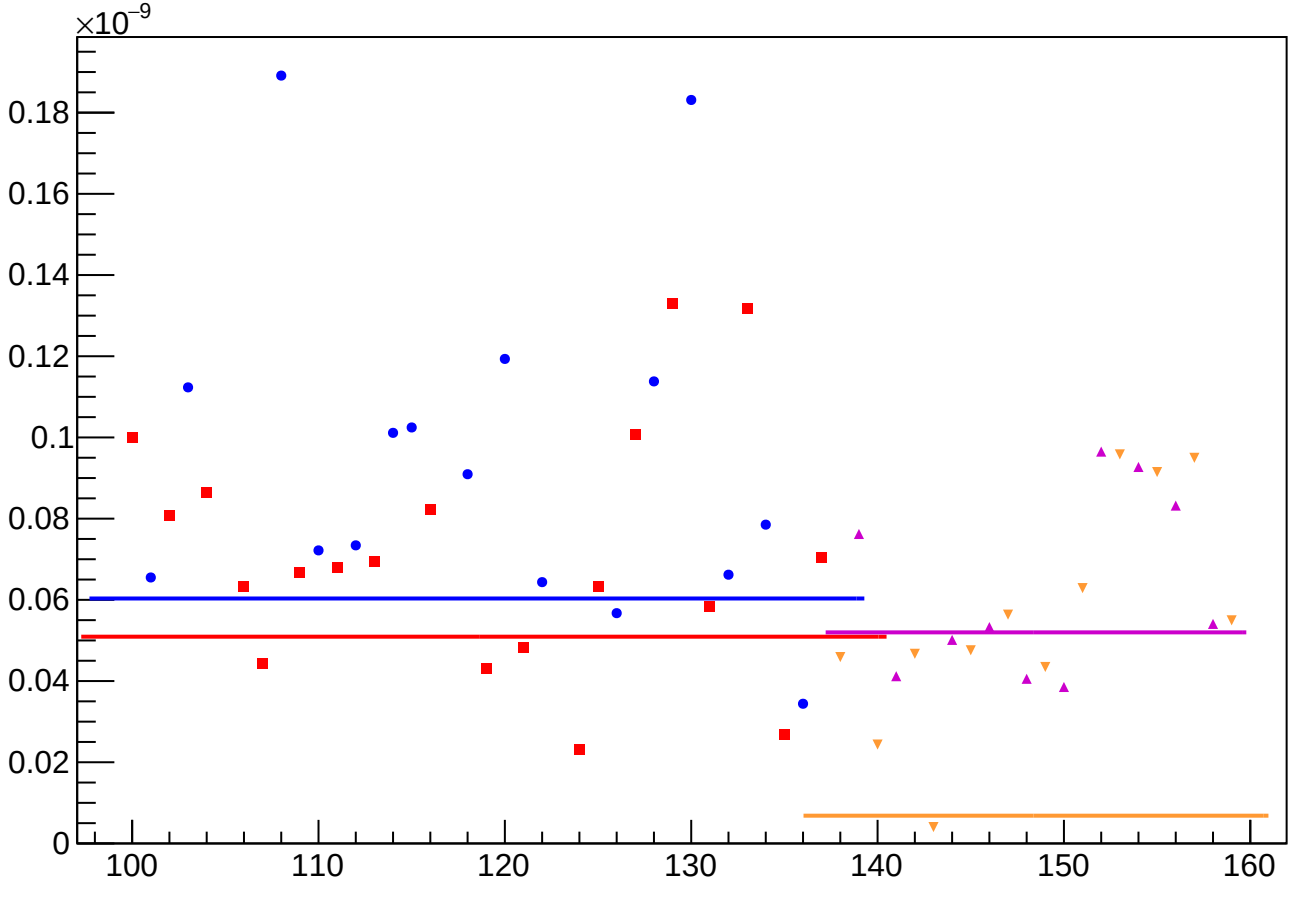
Left: -0.000+/-0.000 χ^2/NDF: 16.0/21

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.4/25

Out: -0.000+/-0.000 χ^2/NDF:25.2/30

All: -0.000+/-0.000 χ^2/NDF: 54.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8987314.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1081596.9/9

Left: 0.000+/-0.000 χ^2/NDF: 17599701.0/21

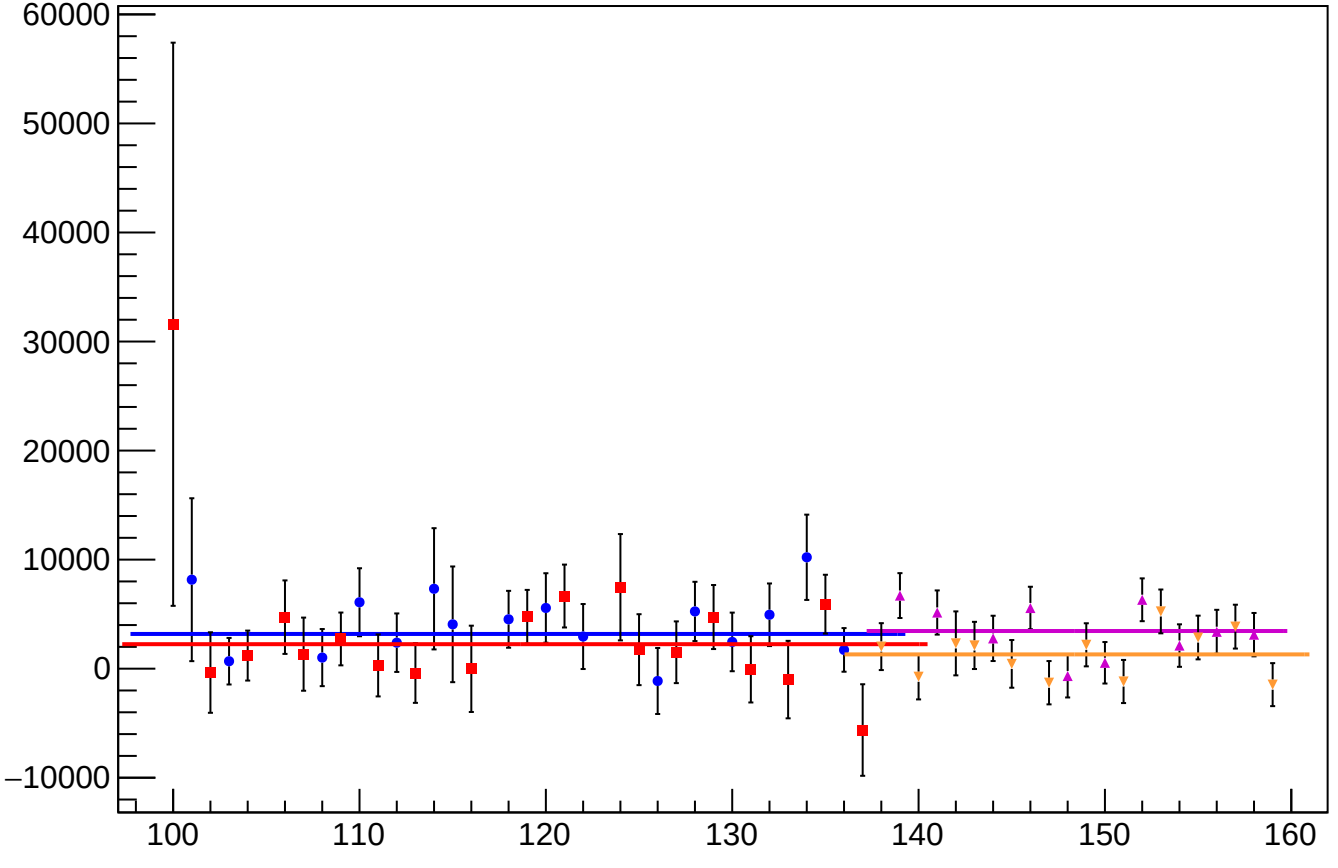
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2919343.2/25

Out: 0.000+/-0.000 χ^2/NDF:15707749.1/30

All: 0.000+/-0.000 χ^2/NDF: 30271274.6/56

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1309.148+/-602.702 χ^2/NDF:13.0/11

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3453.905+/-628.501 χ^2/NDF:13.8/9

Left: 2336.603+/-435.009 χ^2/NDF: 32.9/21

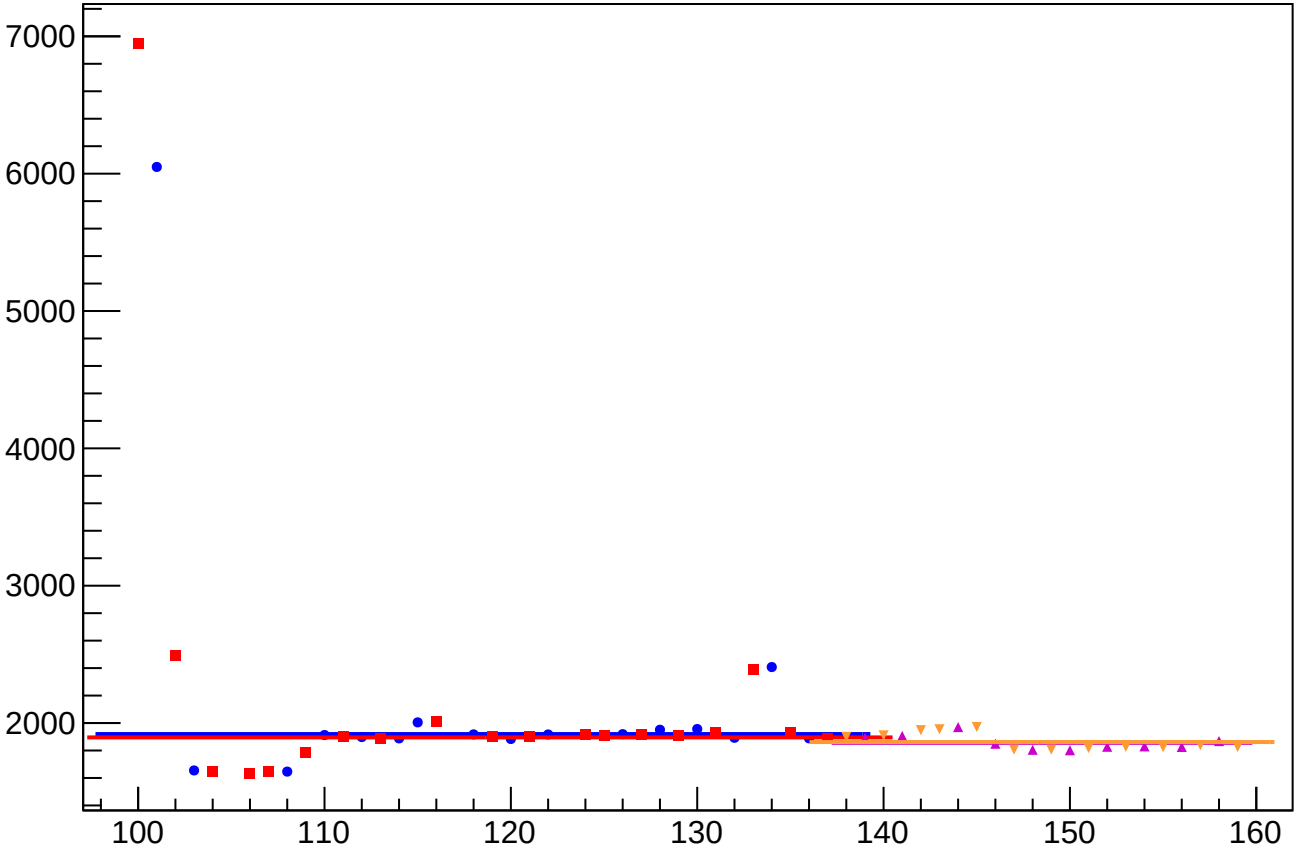
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3339.085+/-476.608 χ^2/NDF:25.6/25

Out: 1700.944+/-459.724 χ^2/NDF:30.5/30

All: 2490.484+/-330.882 χ^2/NDF: 62.3/56

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1861.523+/-0.426 χ^2/NDF:18496.3/11

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

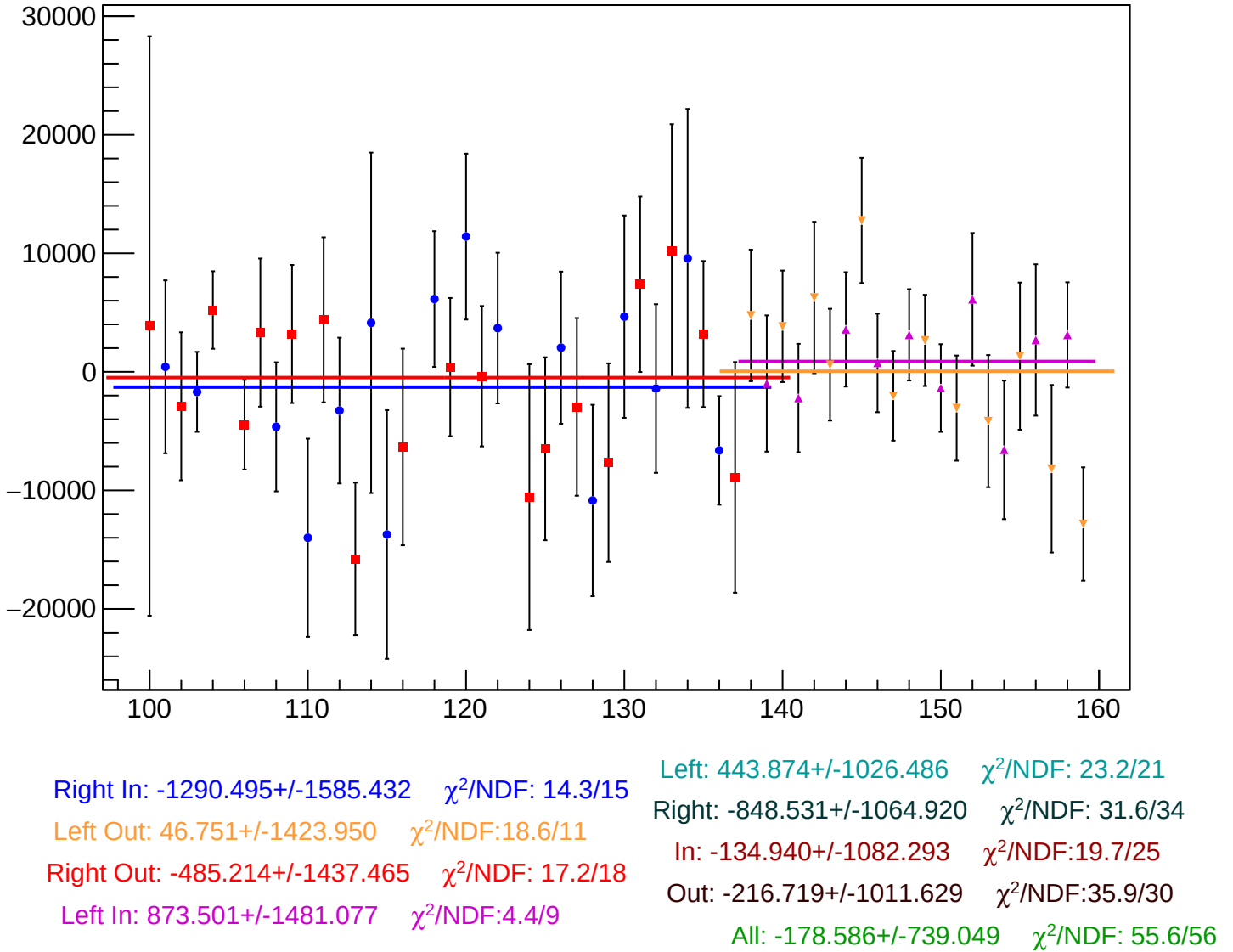
Left: 1858.780+/-0.308 χ^2/NDF: 30794.0/21

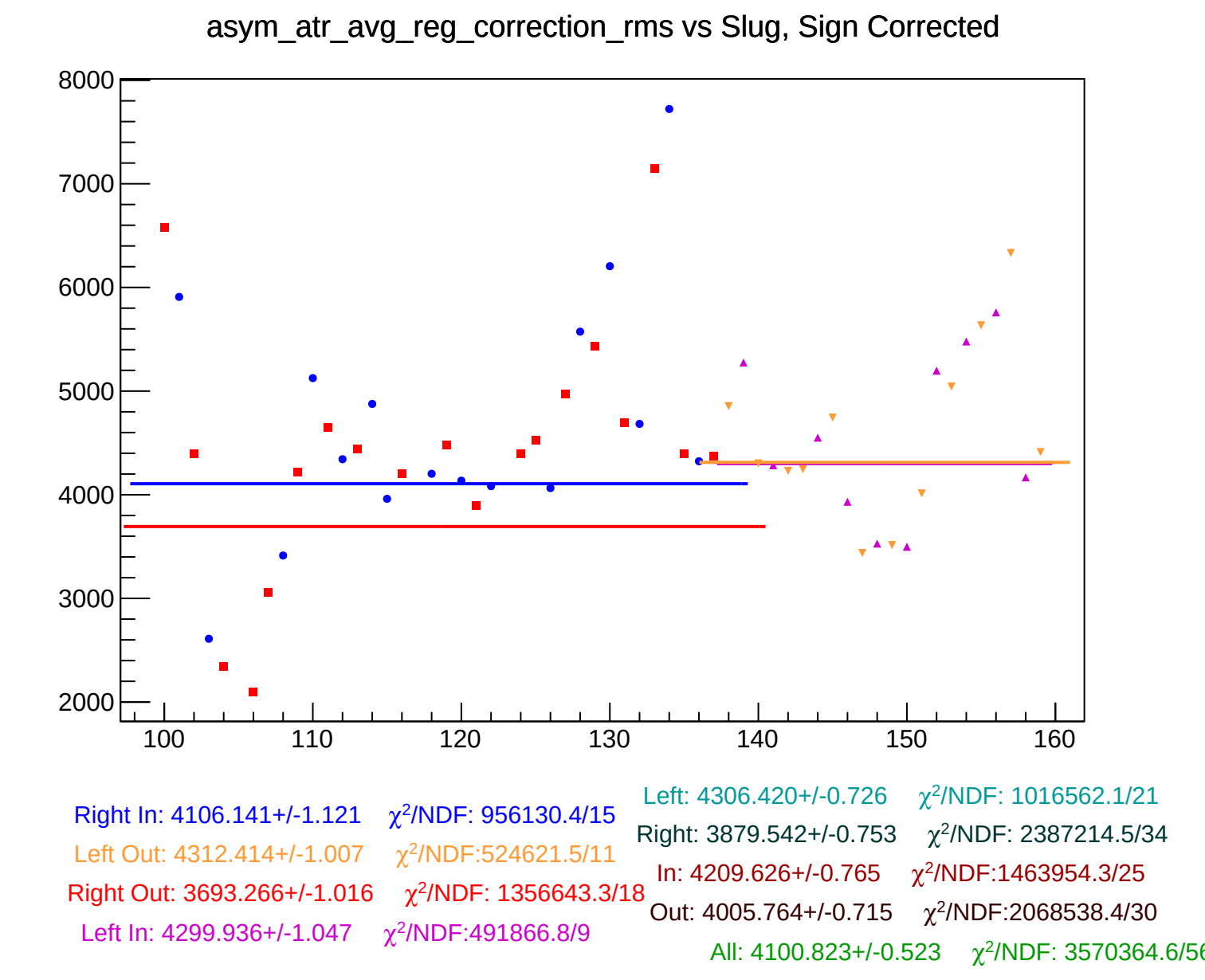
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

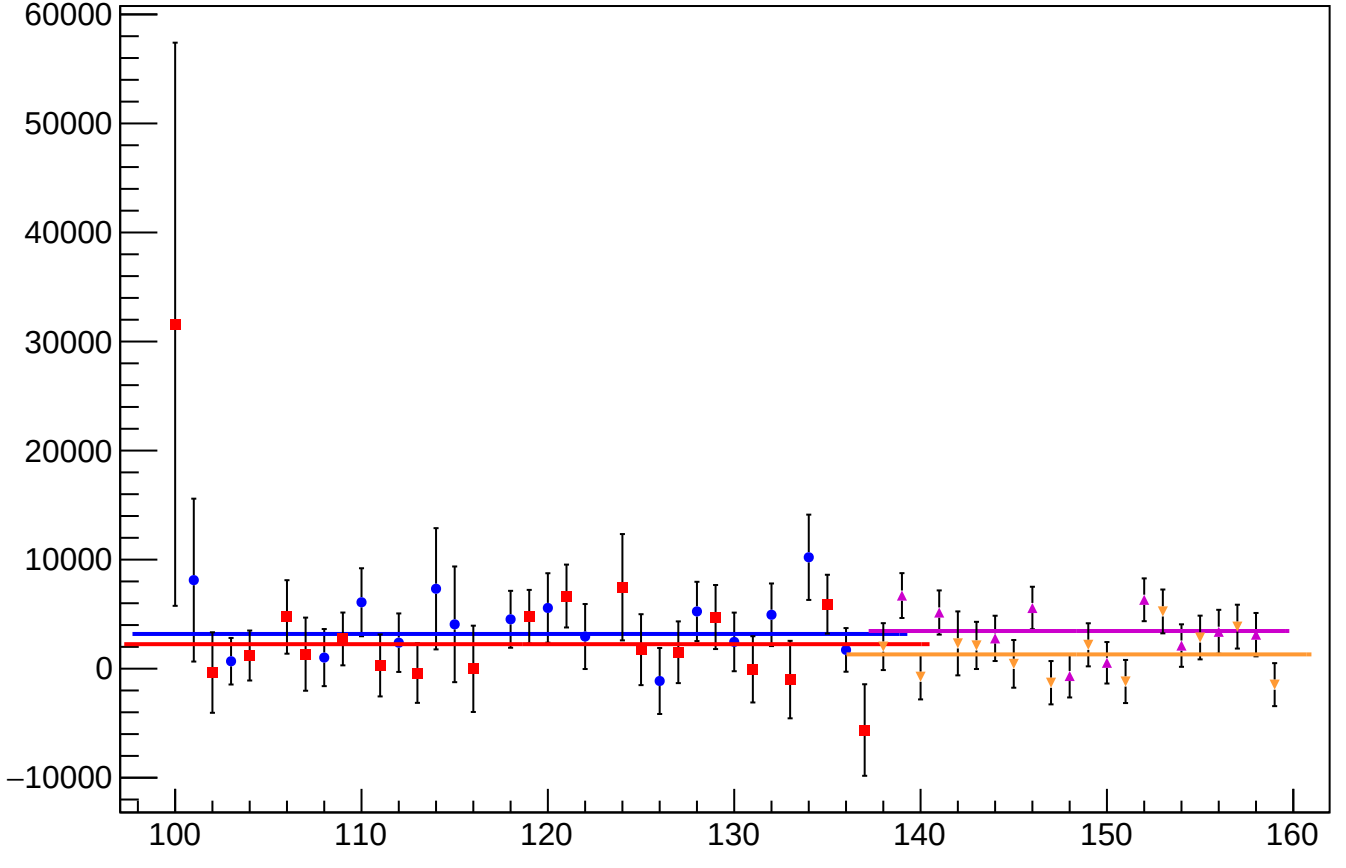
In: 1883.006+/-0.337 χ^2/NDF:718363.6/25

Out: 1875.731+/-0.325 χ^2/NDF:243417.1/30

All: 1879.232+/-0.234 χ^2/NDF: 962022.5/56


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: 46.751+/-1423.950 χ²/NDF:18.6/11
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 873.501+/-1481.077 χ²/NDF:4.4/9
Left: 443.874+/-1026.486 χ²/NDF: 23.2/21
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -134.940+/-1082.293 χ²/NDF:19.7/25
Out: -216.719+/-1011.629 χ²/NDF:35.9/30
All: -178.586+/-739.049 χ²/NDF: 55.6/56


asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4106.141+/-1.121 χ²/NDF: 956130.4/15
Left Out: 4312.414+/-1.007 χ²/NDF:524621.5/11
Right Out: 3693.266+/-1.016 χ²/NDF: 1356643.3/18
Left In: 4299.936+/-1.047 χ²/NDF:491866.8/9
Left: 4306.420+/-0.726 χ²/NDF: 1016562.1/21
Right: 3879.542+/-0.753 χ²/NDF: 2387214.5/34
In: 4209.626+/-0.765 χ²/NDF:1463954.3/25
Out: 4005.764+/-0.715 χ²/NDF:2068538.4/30
All: 4100.823+/-0.523 χ²/NDF: 3570364.6/56



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1309.035+/-602.702 χ^2/NDF:13.0/11

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3454.000+/-628.501 χ^2/NDF:13.8/9

Left: 2336.590+/-435.009 χ^2/NDF: 32.9/21

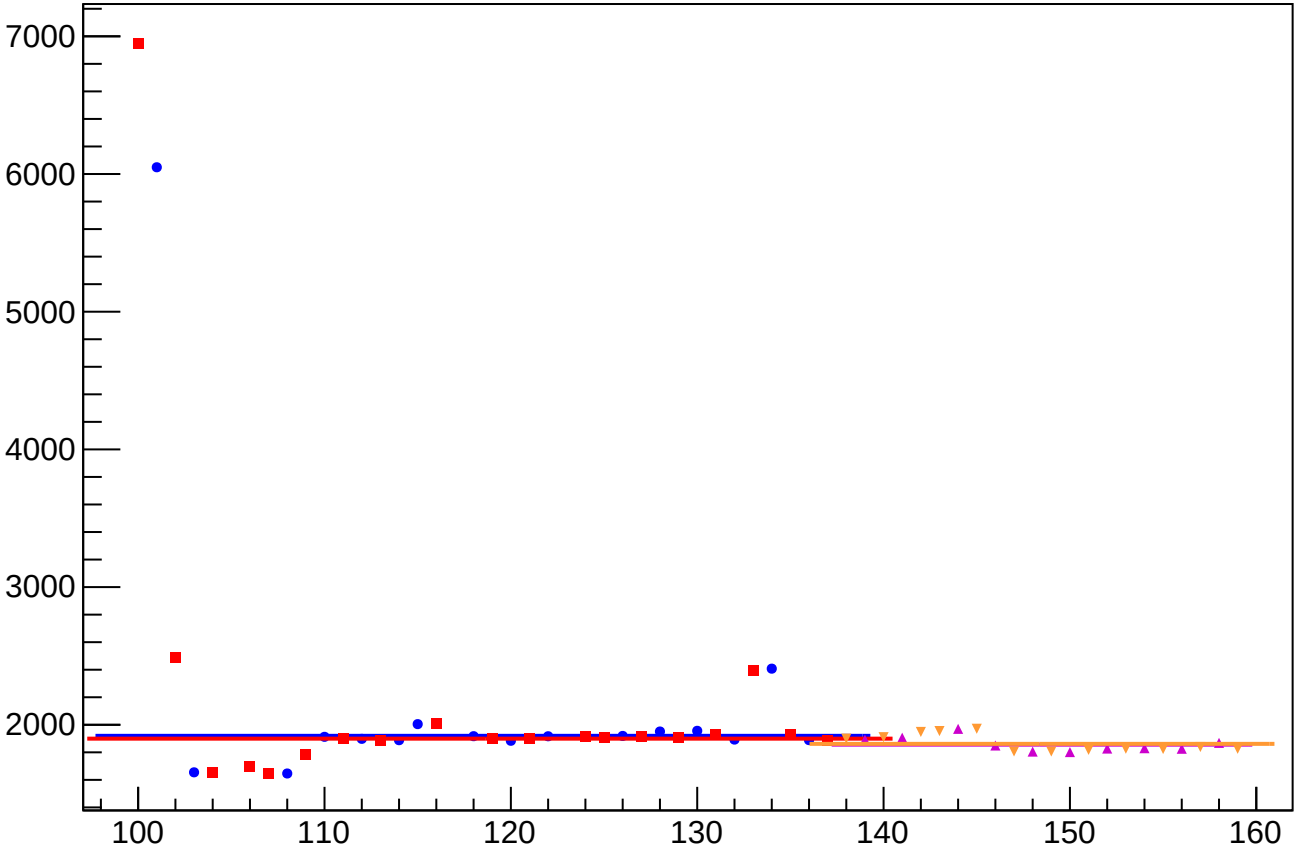
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3338.829+/-476.608 χ^2/NDF:25.6/25

Out: 1701.351+/-459.725 χ^2/NDF:30.5/30

All: 2490.573+/-330.882 χ^2/NDF: 62.3/56

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1861.523+/-0.426 χ^2/NDF:18496.3/11

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

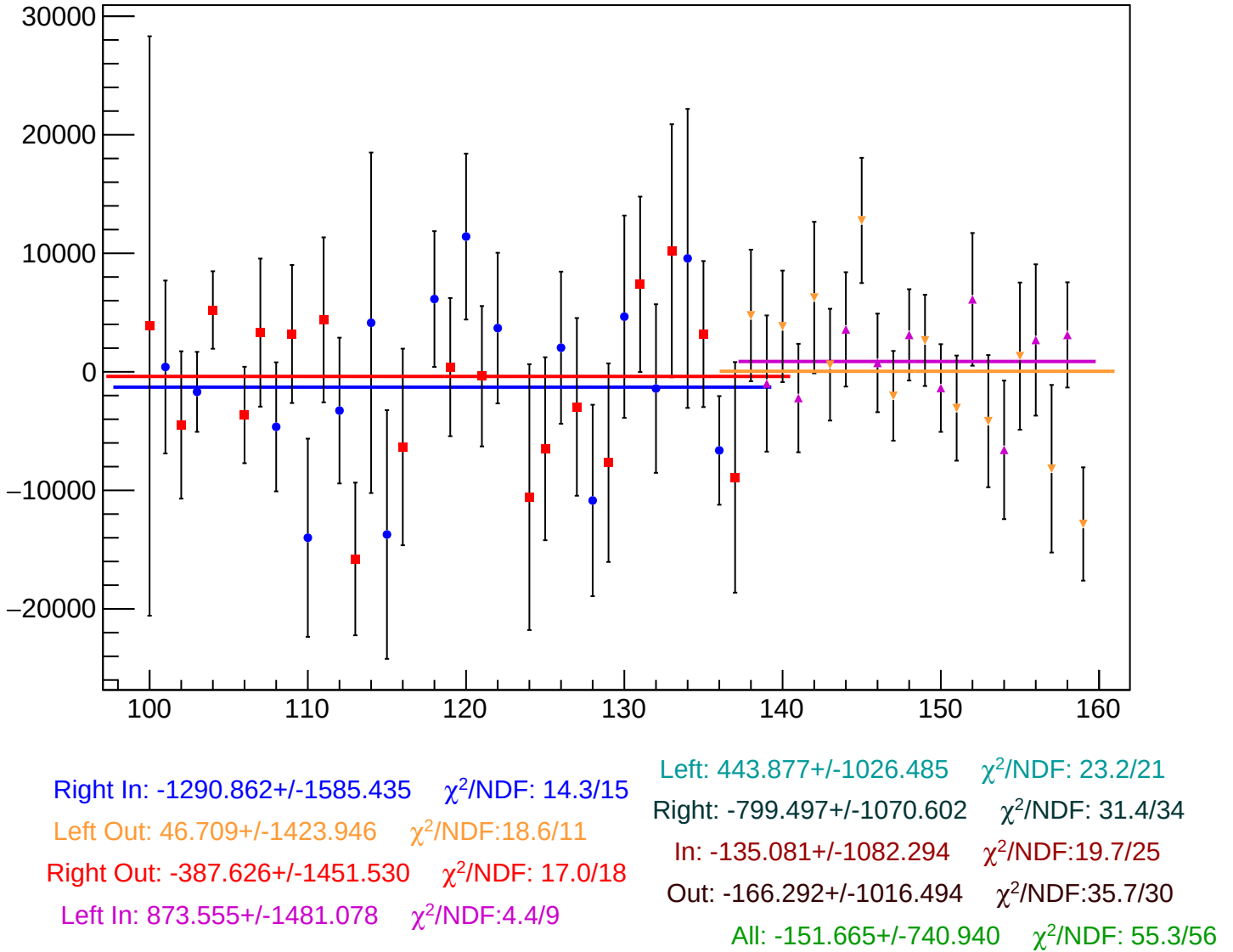
Left: 1858.780+/-0.308 χ^2/NDF: 30794.0/21

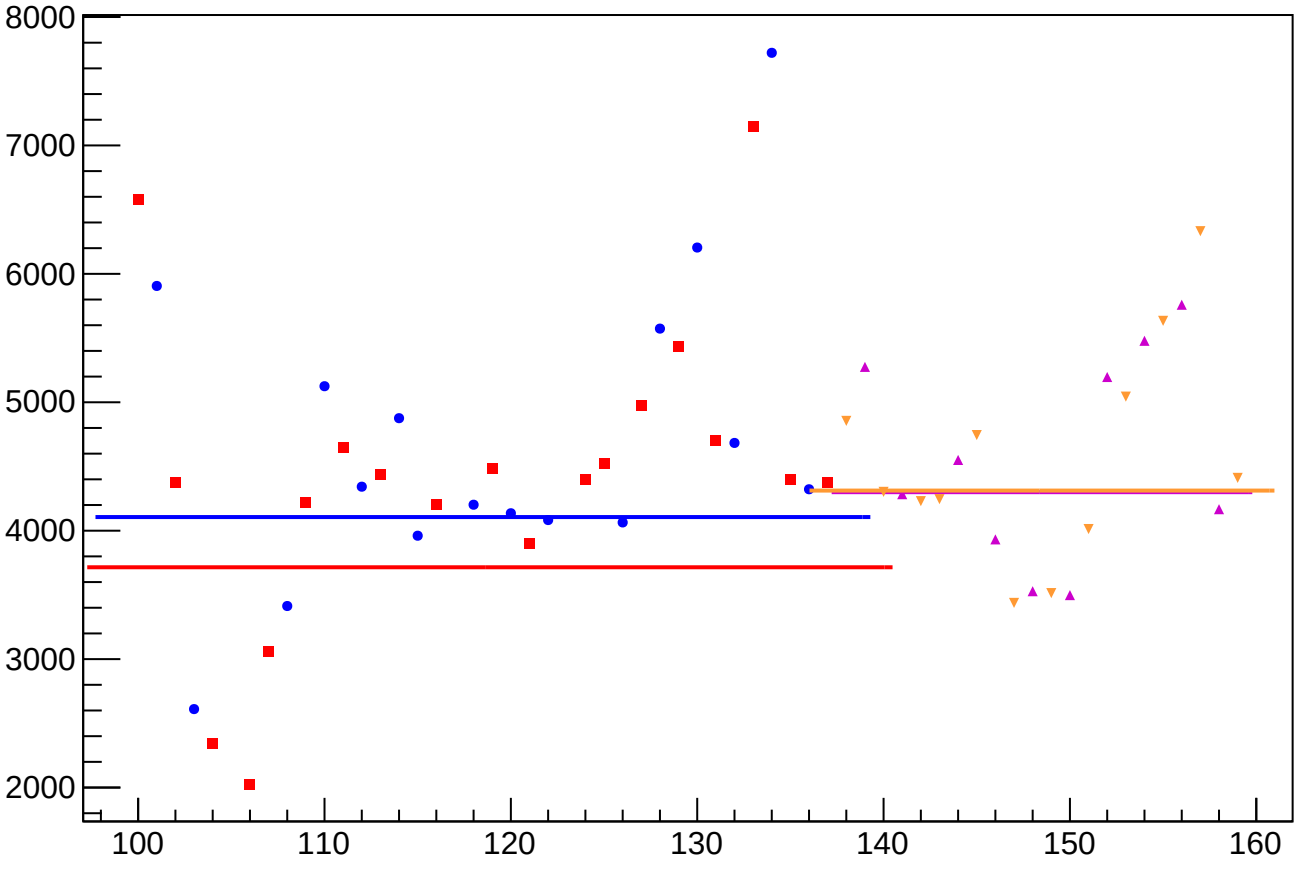
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1883.007+/-0.337 χ^2/NDF:718362.8/25

Out: 1877.377+/-0.325 χ^2/NDF:237453.3/30

All: 1880.088+/-0.234 χ^2/NDF: 955960.8/56


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 46.709+/-1423.946 χ²/NDF:18.6/11
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 873.555+/-1481.078 χ²/NDF:4.4/9
Left: 443.877+/-1026.485 χ²/NDF: 23.2/21
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -135.081+/-1082.294 χ²/NDF:19.7/25
Out: -166.292+/-1016.494 χ²/NDF:35.7/30
All: -151.665+/-740.940 χ²/NDF: 55.3/56



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4312.401+/-1.007 χ^2/NDF:524633.2/11

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

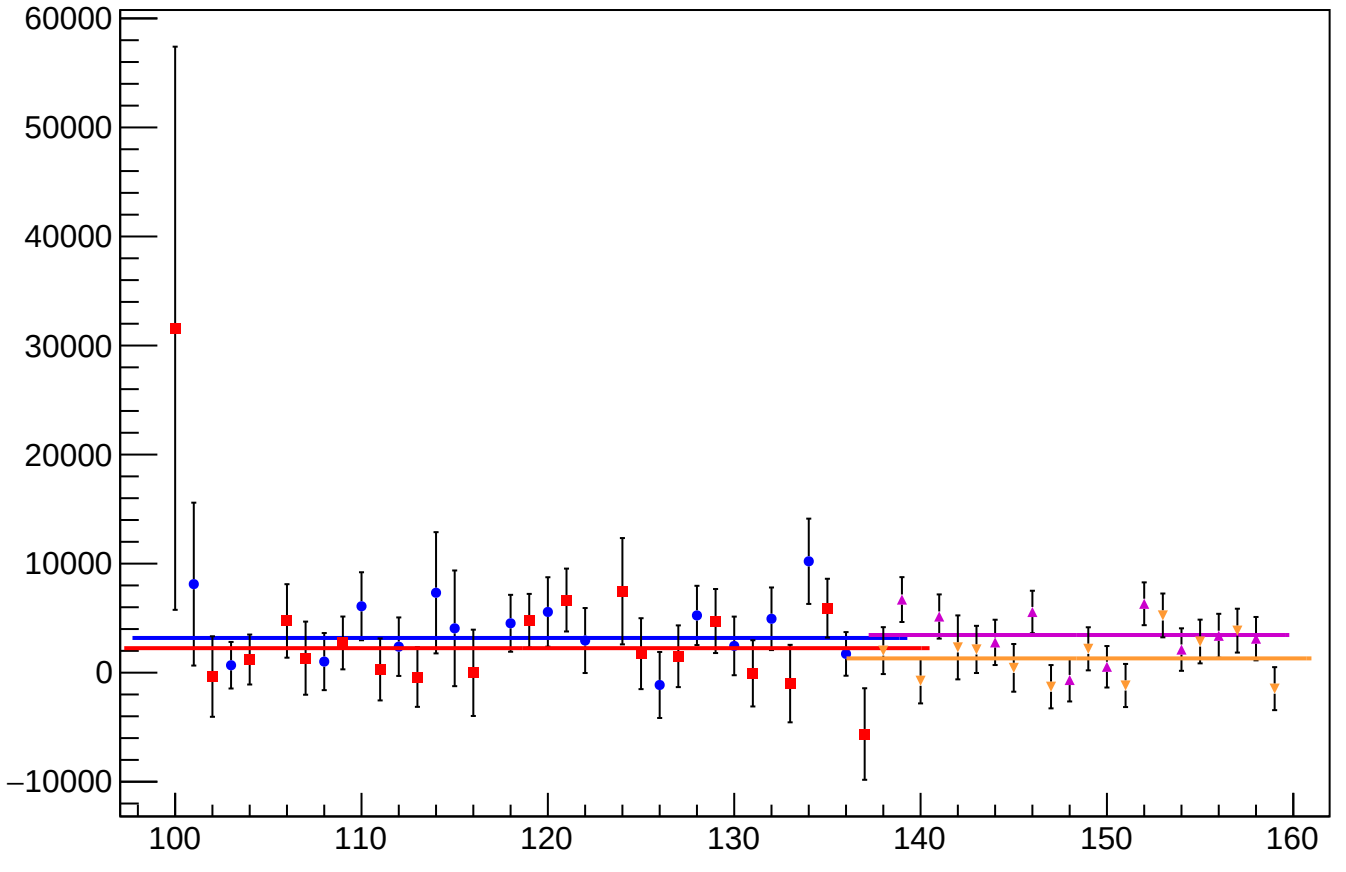
Left: 4306.416+/-0.726 χ^2/NDF: 1016568.7/21

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4209.672+/-0.765 χ^2/NDF:1463435.7/25

Out: 4019.530+/-0.719 χ^2/NDF:2032253.3/30

All: 4108.646+/-0.524 χ^2/NDF: 3528487.3/56



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1309.035+/-602.702 χ^2/NDF:13.0/11

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3454.000+/-628.501 χ^2/NDF:13.8/9

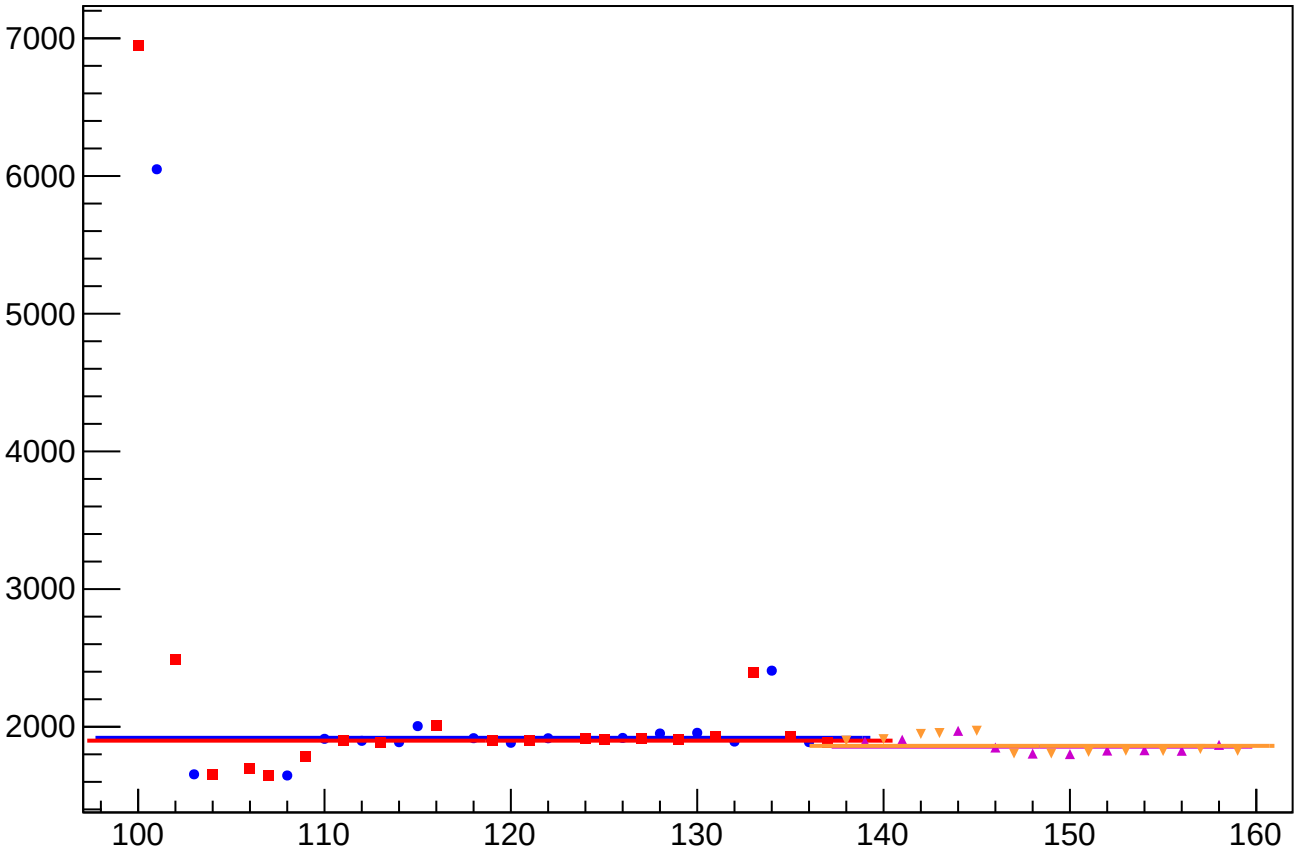
Left: 2336.590+/-435.009 χ^2/NDF: 32.9/21

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3338.829+/-476.608 χ^2/NDF:25.6/25

Out: 1701.351+/-459.725 χ^2/NDF:30.5/30

All: 2490.573+/-330.882 χ^2/NDF: 62.3/56



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1861.523+/-0.426 χ^2/NDF:18496.3/11

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

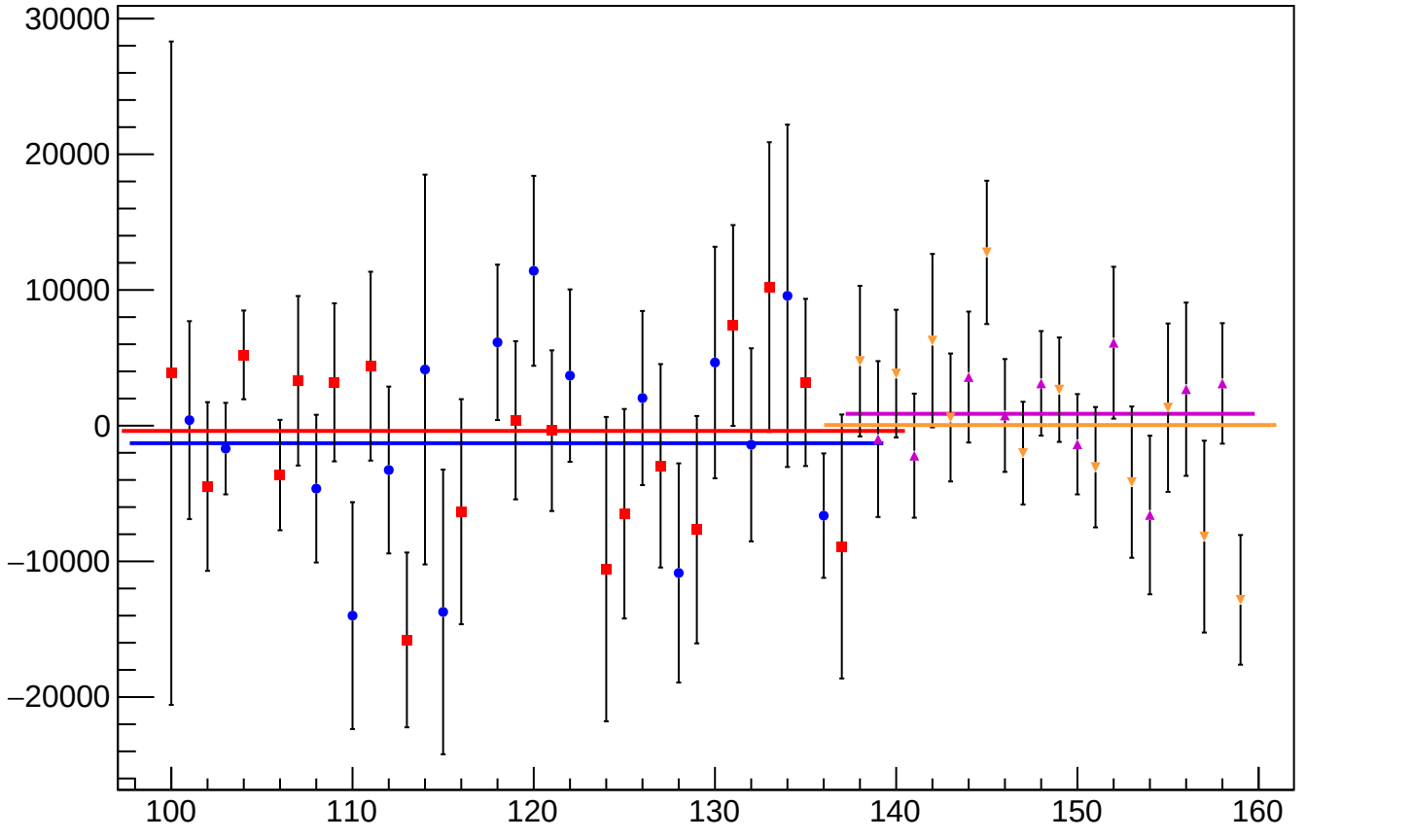
Left: 1858.780+/-0.308 χ^2/NDF: 30794.0/21

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

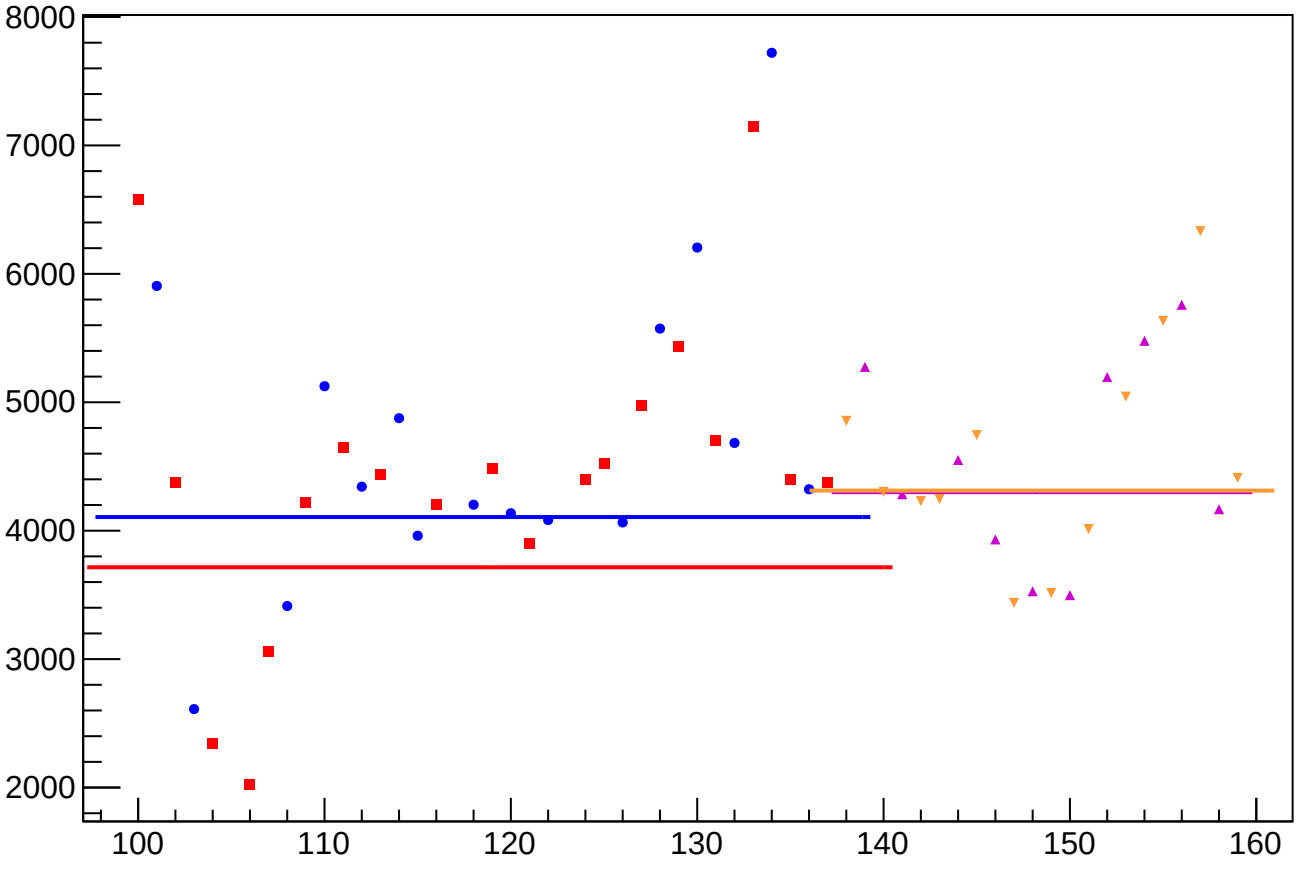
In: 1883.007+/-0.337 χ^2/NDF:718362.8/25

Out: 1877.377+/-0.325 χ^2/NDF:237453.3/30

All: 1880.088+/-0.234 χ^2/NDF: 955960.8/56


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 46.709+/-1423.946 χ²/NDF:18.6/11
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 873.555+/-1481.078 χ²/NDF:4.4/9
Left: 443.877+/-1026.485 χ²/NDF: 23.2/21
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -135.081+/-1082.294 χ²/NDF:19.7/25
Out: -166.292+/-1016.494 χ²/NDF:35.7/30
All: -151.665+/-740.940 χ²/NDF: 55.3/56

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: 4312.401+/-1.007 χ^2/NDF:524633.2/11

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

Left: 4306.416+/-0.726 χ^2/NDF: 1016568.7/21

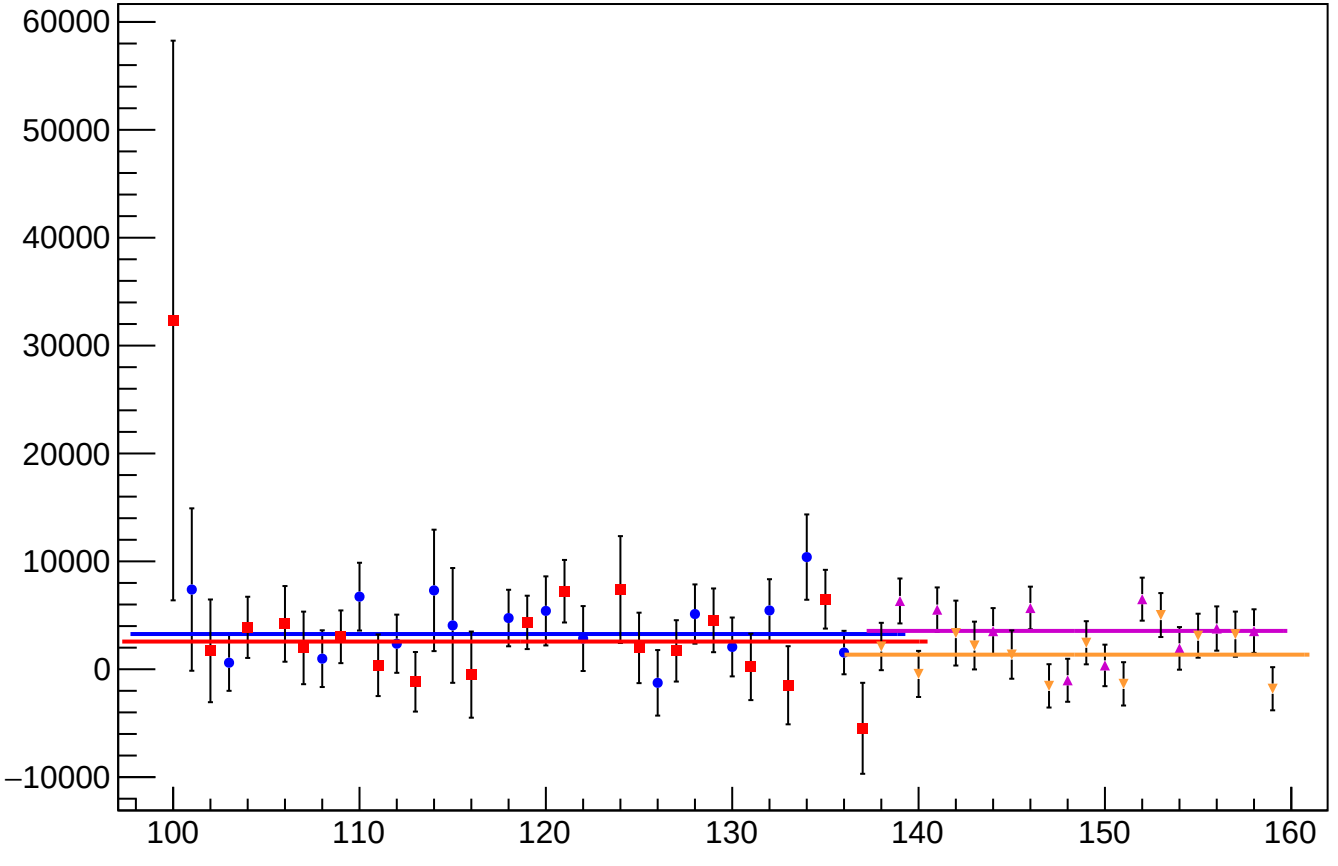
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4209.672+/-0.765 χ^2/NDF:1463435.7/25

Out: 4019.530+/-0.719 χ^2/NDF:2032253.3/30

All: 4108.646+/-0.524 χ^2/NDF: 3528487.3/56

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1352.283+/-614.628 χ^2/NDF:12.9/11

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3553.104+/-638.529 χ^2/NDF:14.7/9

Left: 2410.732+/-442.816 χ^2/NDF: 33.8/21

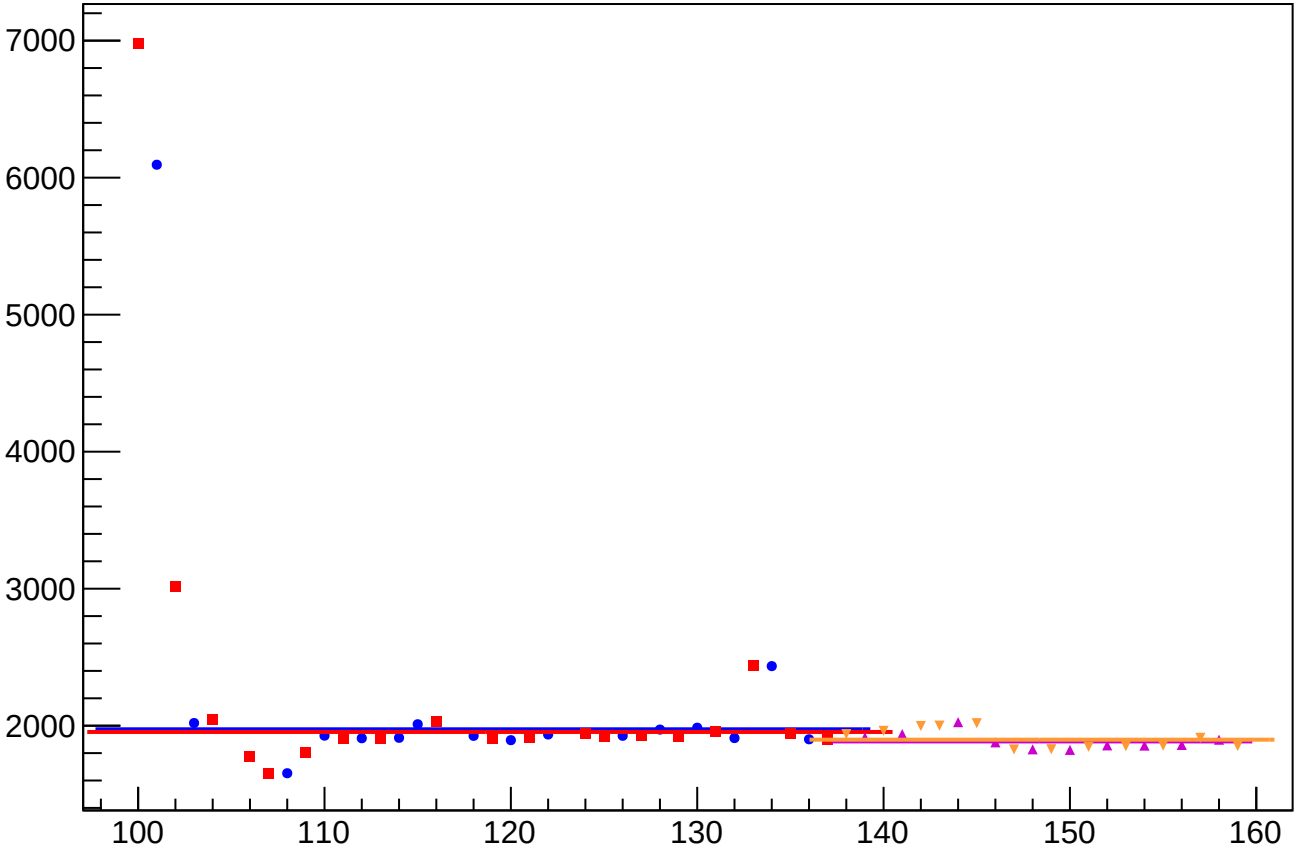
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3432.043+/-486.427 χ^2/NDF:27.0/25

Out: 1852.126+/-471.465 χ^2/NDF:31.5/30

All: 2617.414+/-338.542 χ^2/NDF: 64.0/56

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1897.991+/-0.435 χ^2/NDF:24215.0/11

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

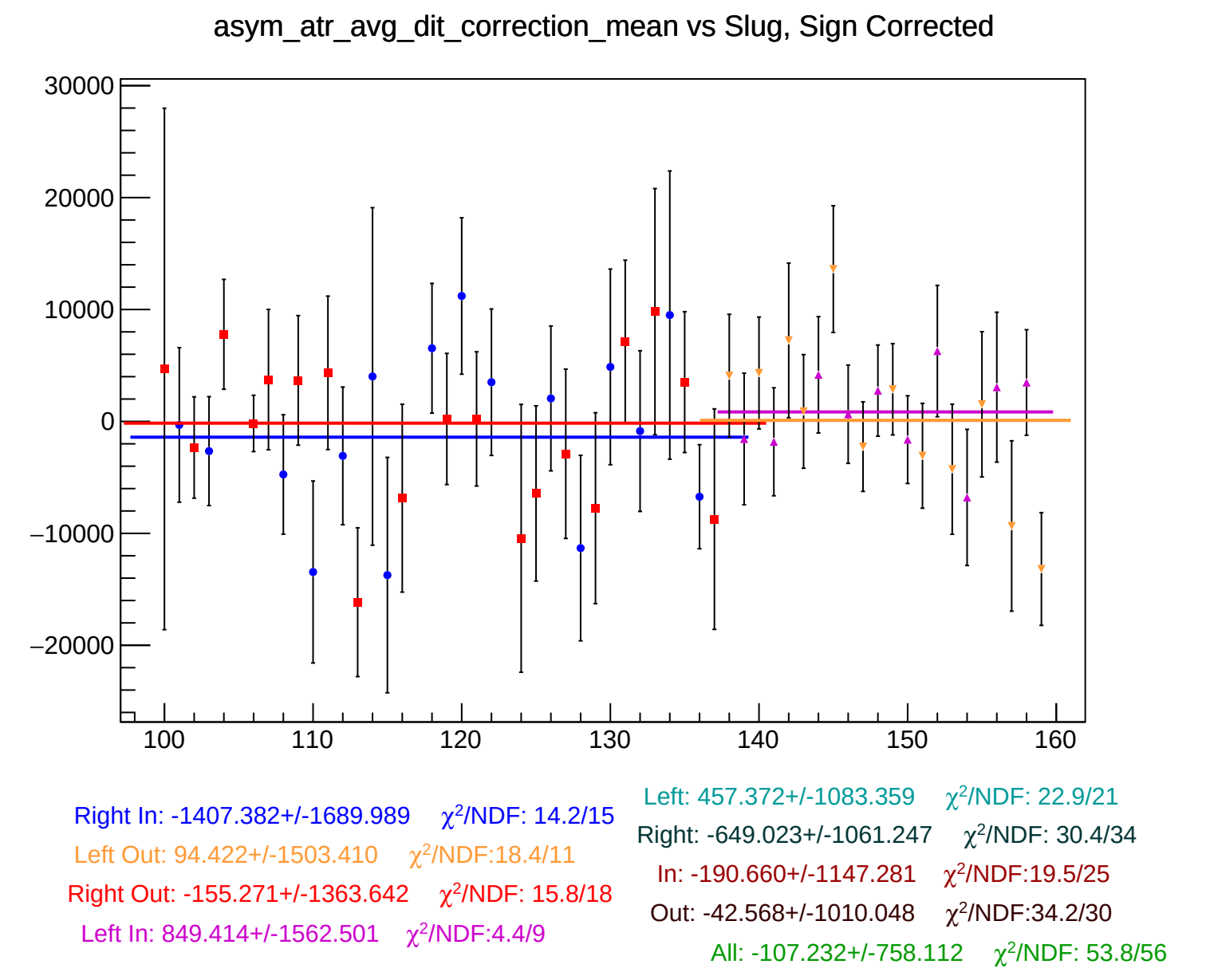
Left: 1891.832+/-0.313 χ^2/NDF: 40141.4/21

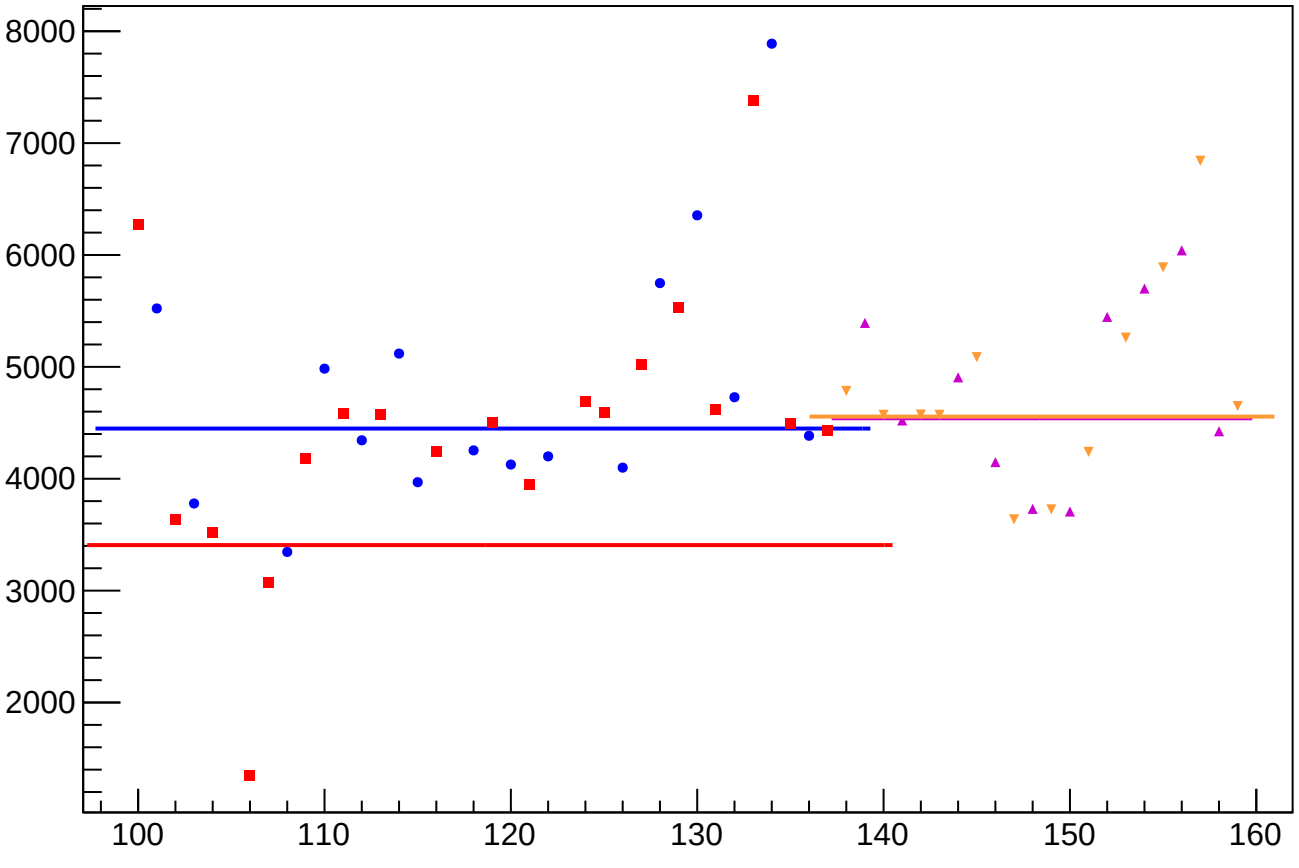
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

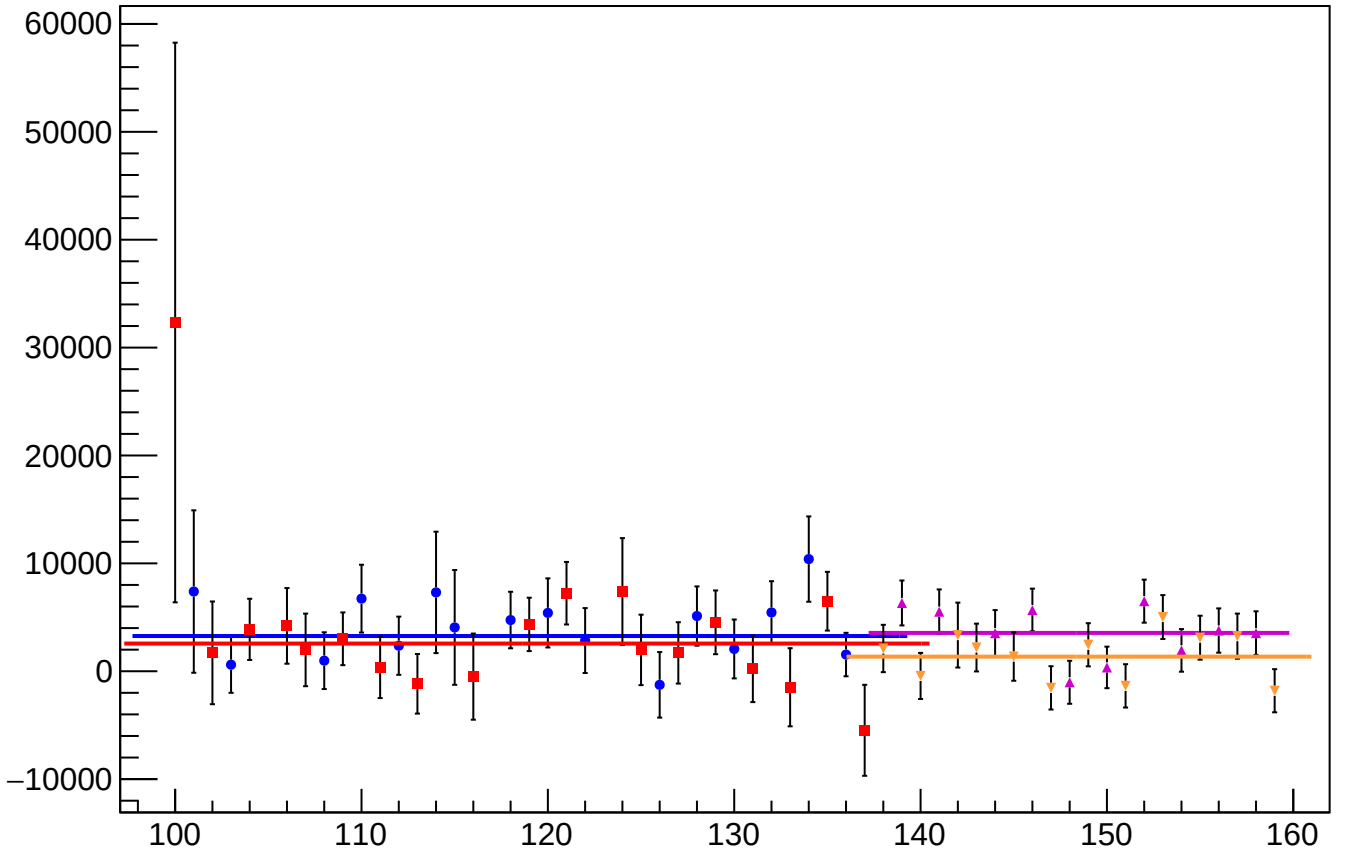
In: 1922.352+/-0.344 χ^2/NDF:696780.0/25

Out: 1921.207+/-0.333 χ^2/NDF:277352.5/30

All: 1921.762+/-0.239 χ^2/NDF: 974138.1/56


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 94.422+/-1503.410 χ²/NDF:18.4/11
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 849.414+/-1562.501 χ²/NDF:4.4/9
Left: 457.372+/-1083.359 χ²/NDF: 22.9/21
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -190.660+/-1147.281 χ²/NDF:19.5/25
Out: -42.568+/-1010.048 χ²/NDF:34.2/30
All: -107.232+/-758.112 χ²/NDF: 53.8/56


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4555.639+/-1.063 χ²/NDF:513635.5/11
Right Out: 3407.128+/-0.964 χ²/NDF: 2326060.4/18
Left In: 4540.589+/-1.105 χ²/NDF:459487.7/9
Left: 4548.404+/-0.766 χ²/NDF: 973219.6/21
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4498.246+/-0.811 χ²/NDF:957288.3/25
Out: 3925.527+/-0.714 χ²/NDF:3480062.6/30
All: 4175.601+/-0.536 χ²/NDF: 4718124.6/56



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1352.277+/-614.628 χ^2/NDF:12.9/11

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3553.103+/-638.529 χ^2/NDF:14.7/9

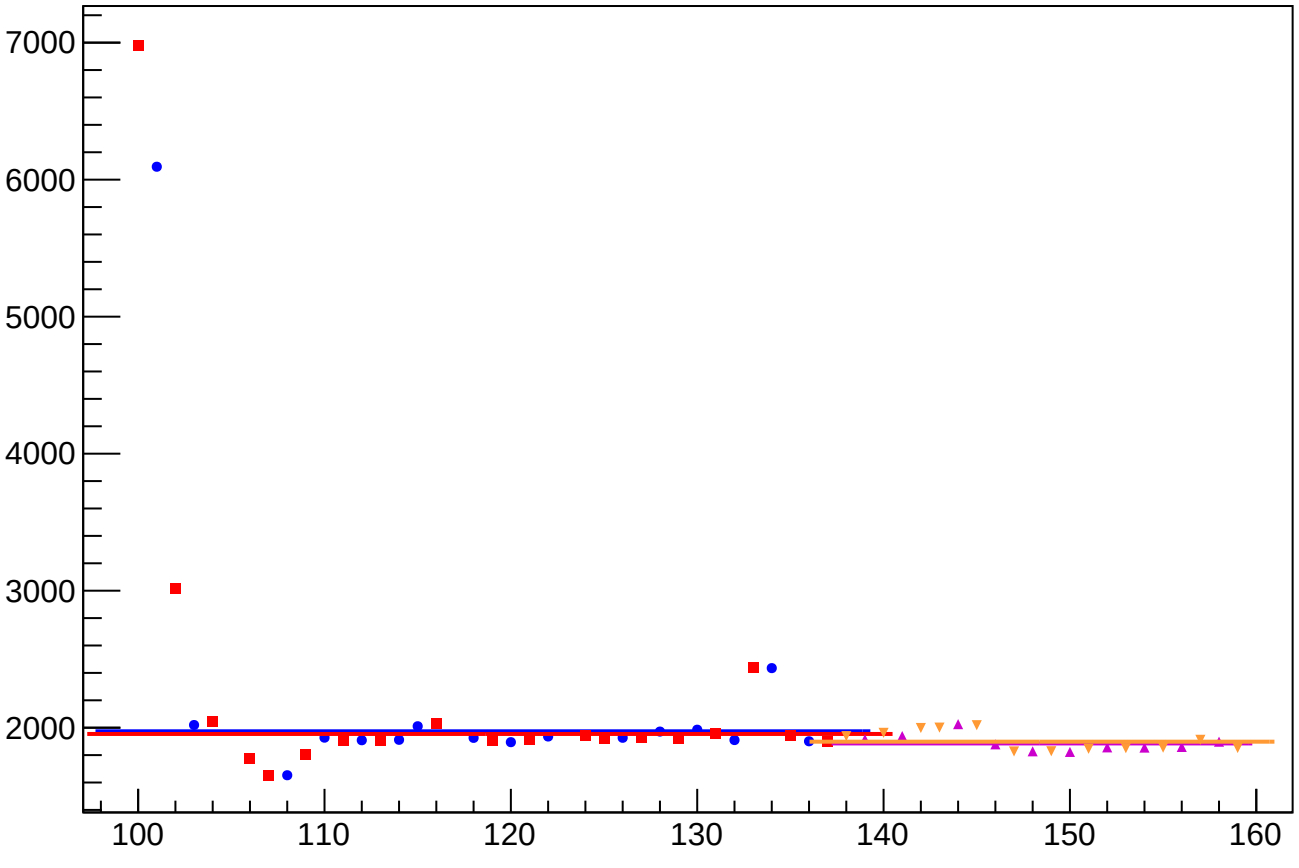
Left: 2410.729+/-442.816 χ^2/NDF: 33.8/21

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3432.044+/-486.427 χ^2/NDF:27.0/25

Out: 1852.125+/-471.465 χ^2/NDF:31.5/30

All: 2617.414+/-338.542 χ^2/NDF: 64.0/56



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1897.991+/-0.435 χ^2/NDF:24215.2/11

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

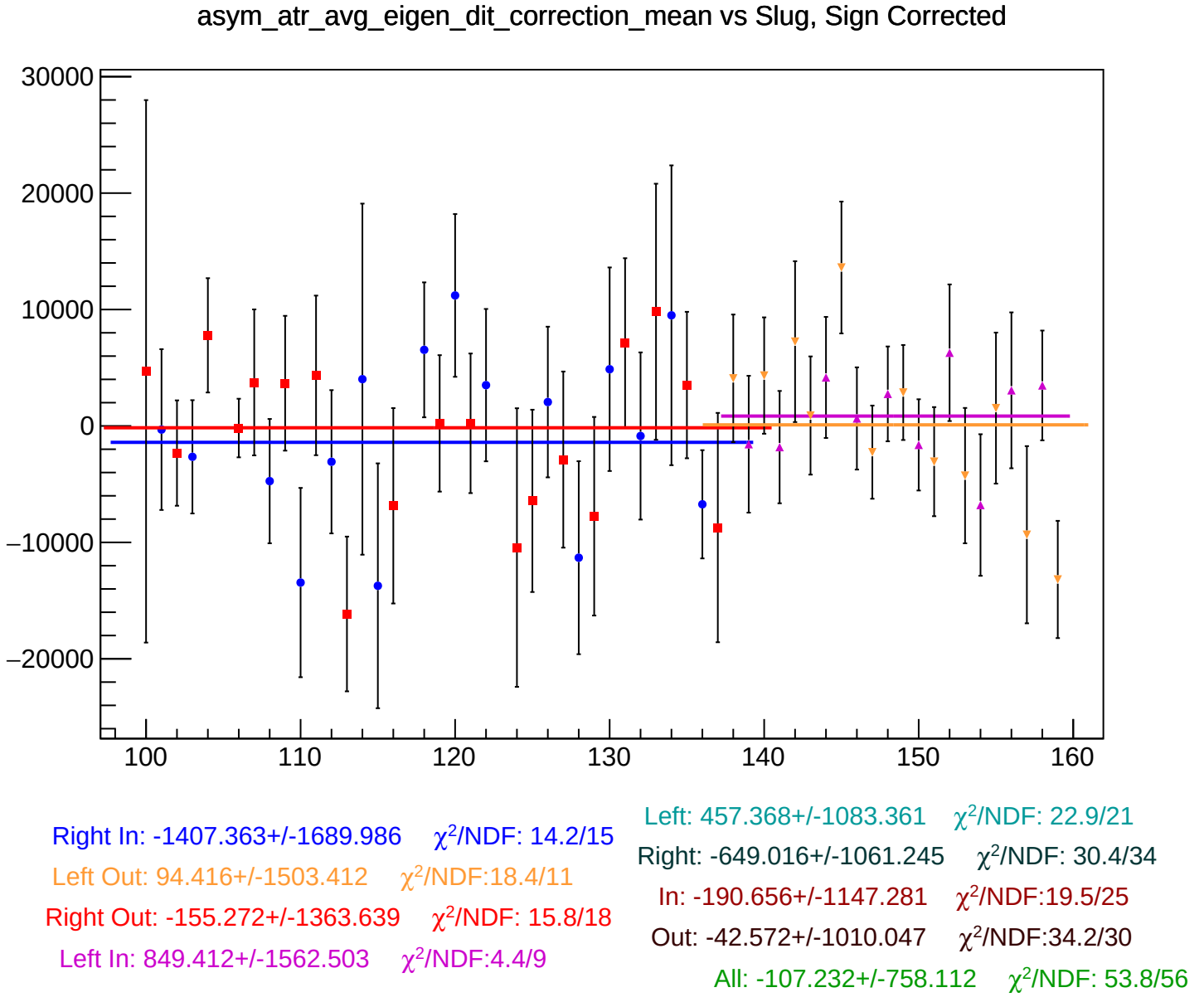
Left: 1891.832+/-0.313 χ^2/NDF: 40141.6/21

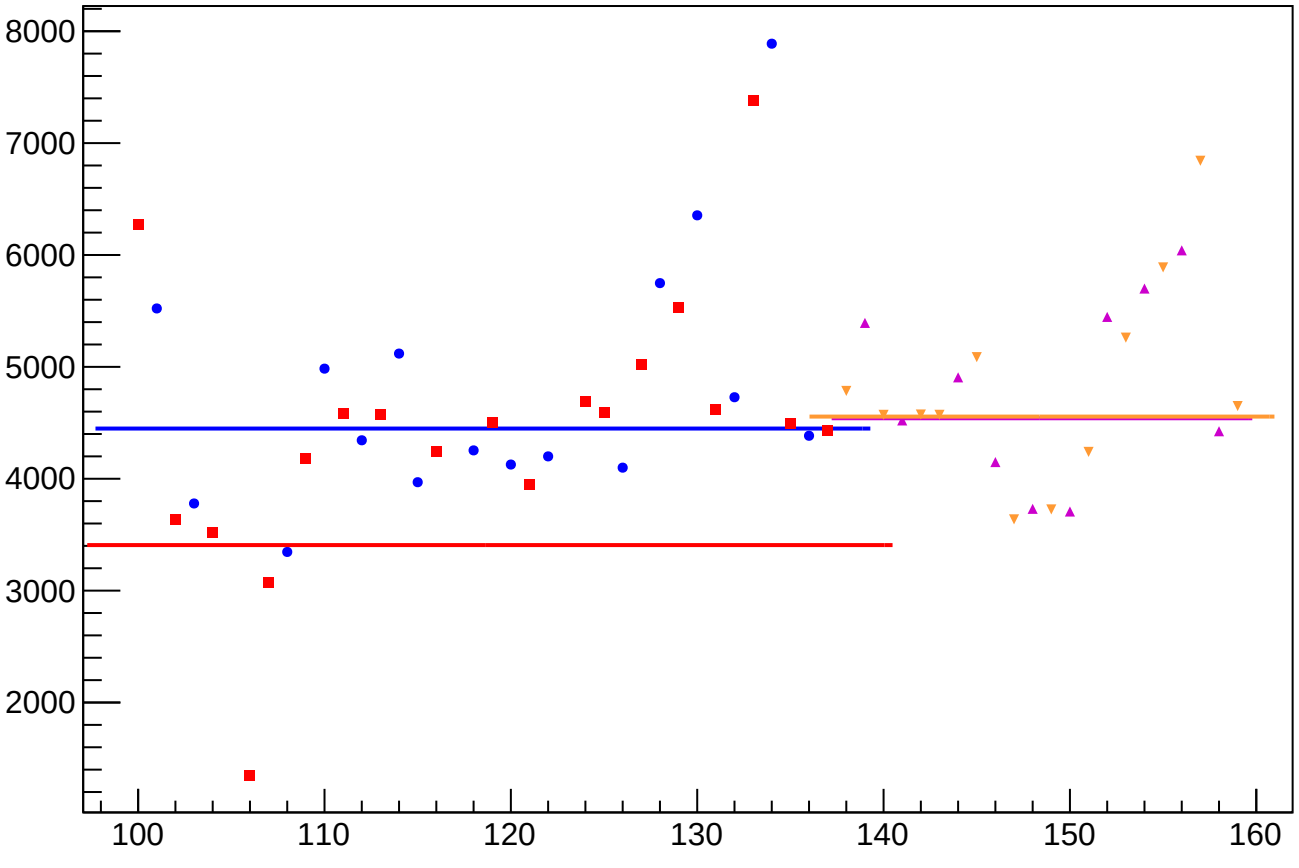
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1922.352+/-0.344 χ^2/NDF:696779.6/25

Out: 1921.208+/-0.333 χ^2/NDF:277351.9/30

All: 1921.762+/-0.239 χ^2/NDF: 974137.2/56


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 94.416+/-1503.412 χ²/NDF:18.4/11
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 849.412+/-1562.503 χ²/NDF:4.4/9
Left: 457.368+/-1083.361 χ²/NDF: 22.9/21
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -190.656+/-1147.281 χ²/NDF:19.5/25
Out: -42.572+/-1010.047 χ²/NDF:34.2/30
All: -107.232+/-758.112 χ²/NDF: 53.8/56



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4555.646+/-1.063 χ^2/NDF:513633.8/11

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4540.595+/-1.105 χ^2/NDF:459485.0/9

Left: 4548.411+/-0.766 χ^2/NDF: 973215.2/21

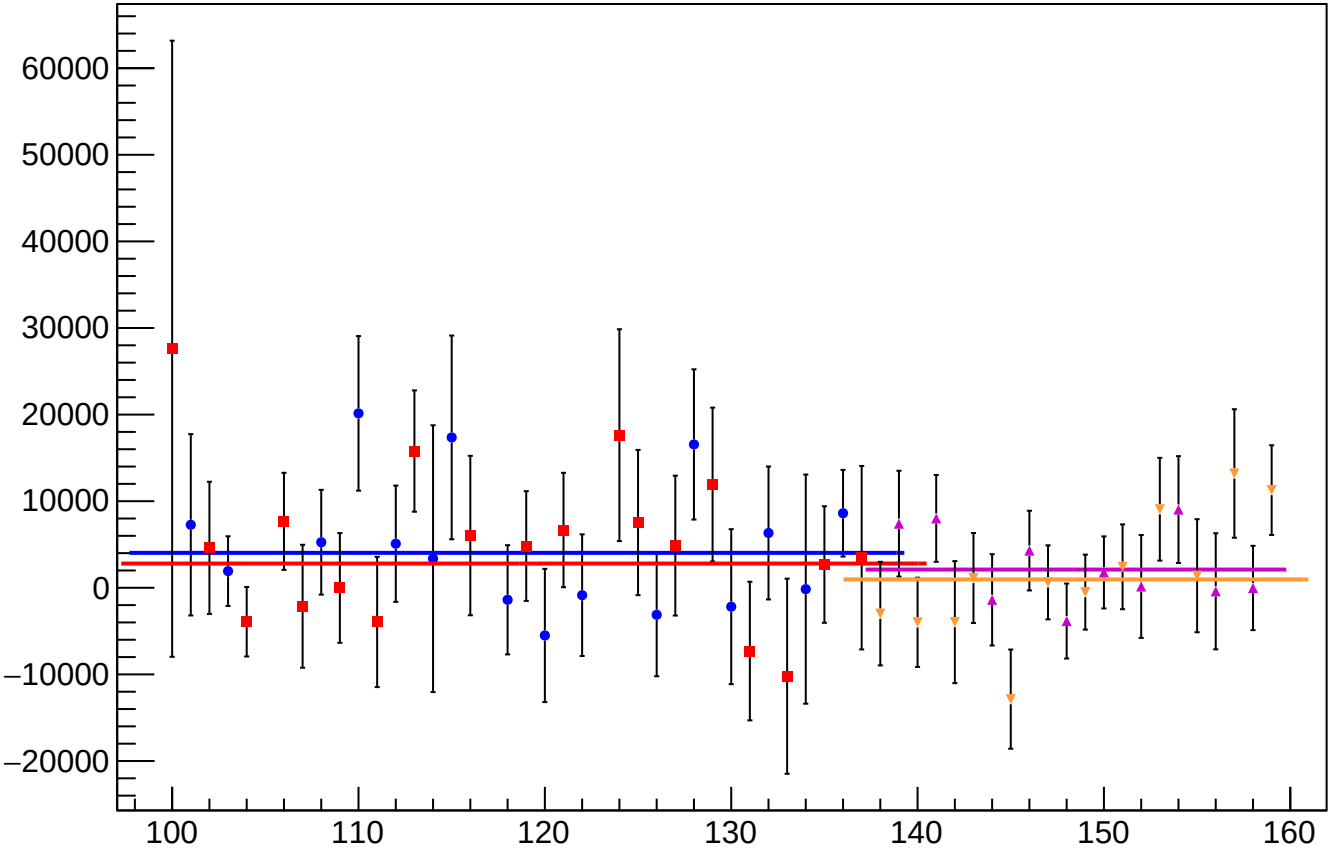
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4498.246+/-0.811 χ^2/NDF:957283.5/25

Out: 3925.523+/-0.714 χ^2/NDF:3480081.1/30

All: 4175.599+/-0.536 χ^2/NDF: 4718142.1/56

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 965.227+/-1561.079 χ^2/NDF:16.4/11

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2105.664+/-1622.171 χ^2/NDF:6.4/9

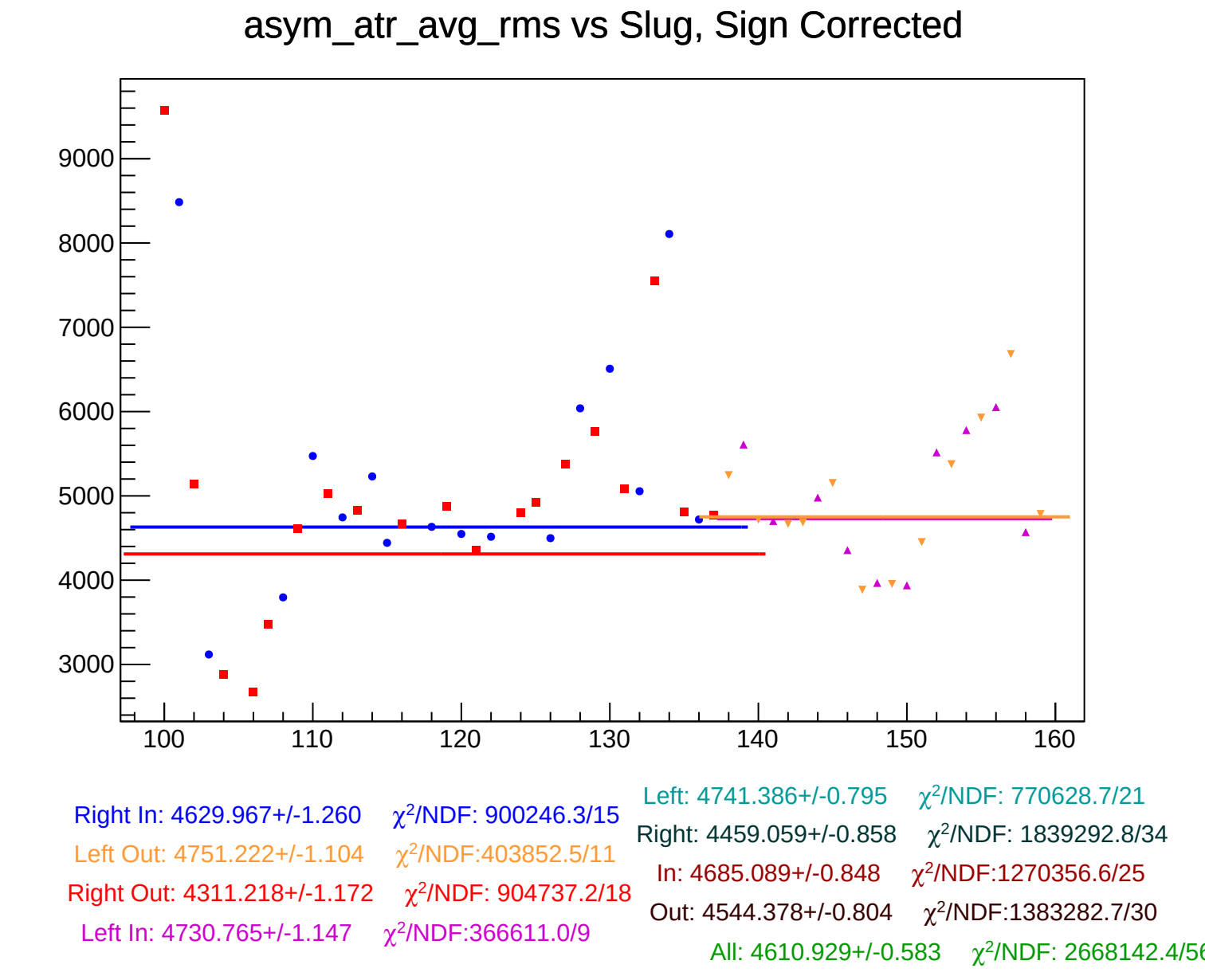
Left: 1513.566+/-1124.827 χ^2/NDF: 23.1/21

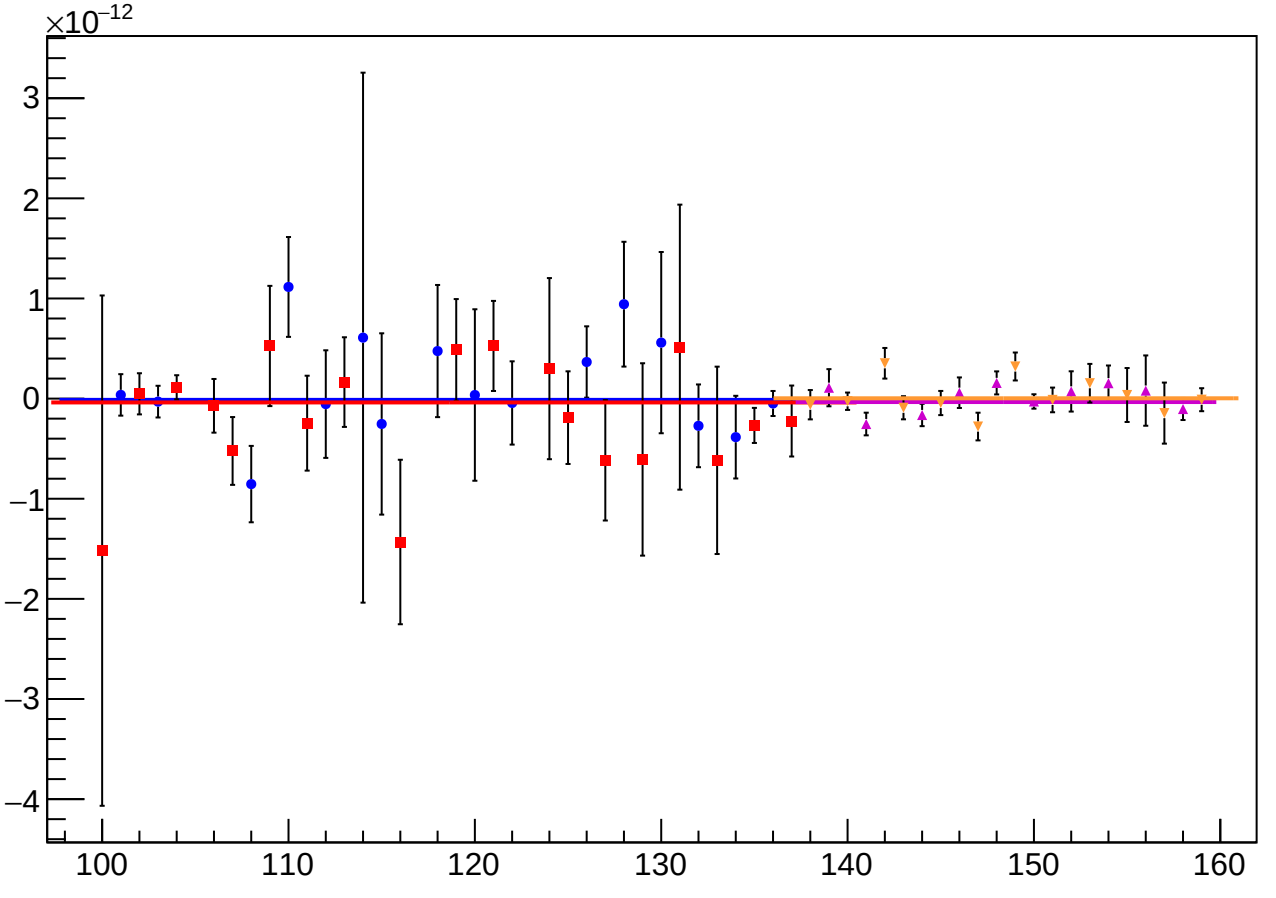
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2979.737+/-1199.591 χ^2/NDF:19.4/25

Out: 1820.062+/-1141.010 χ^2/NDF:32.5/30

All: 2370.893+/-826.750 χ^2/NDF: 52.4/56


asym_atr_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4629.967+/-1.260 χ²/NDF: 900246.3/15
Left Out: 4751.222+/-1.104 χ²/NDF:403852.5/11
Right Out: 4311.218+/-1.172 χ²/NDF: 904737.2/18
Left In: 4730.765+/-1.147 χ²/NDF:366611.0/9
Left: 4741.386+/-0.795 χ²/NDF: 770628.7/21
Right: 4459.059+/-0.858 χ²/NDF: 1839292.8/34
In: 4685.089+/-0.848 χ²/NDF:1270356.6/25
Out: 4544.378+/-0.804 χ²/NDF:1383282.7/30
All: 4610.929+/-0.583 χ²/NDF: 2668142.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

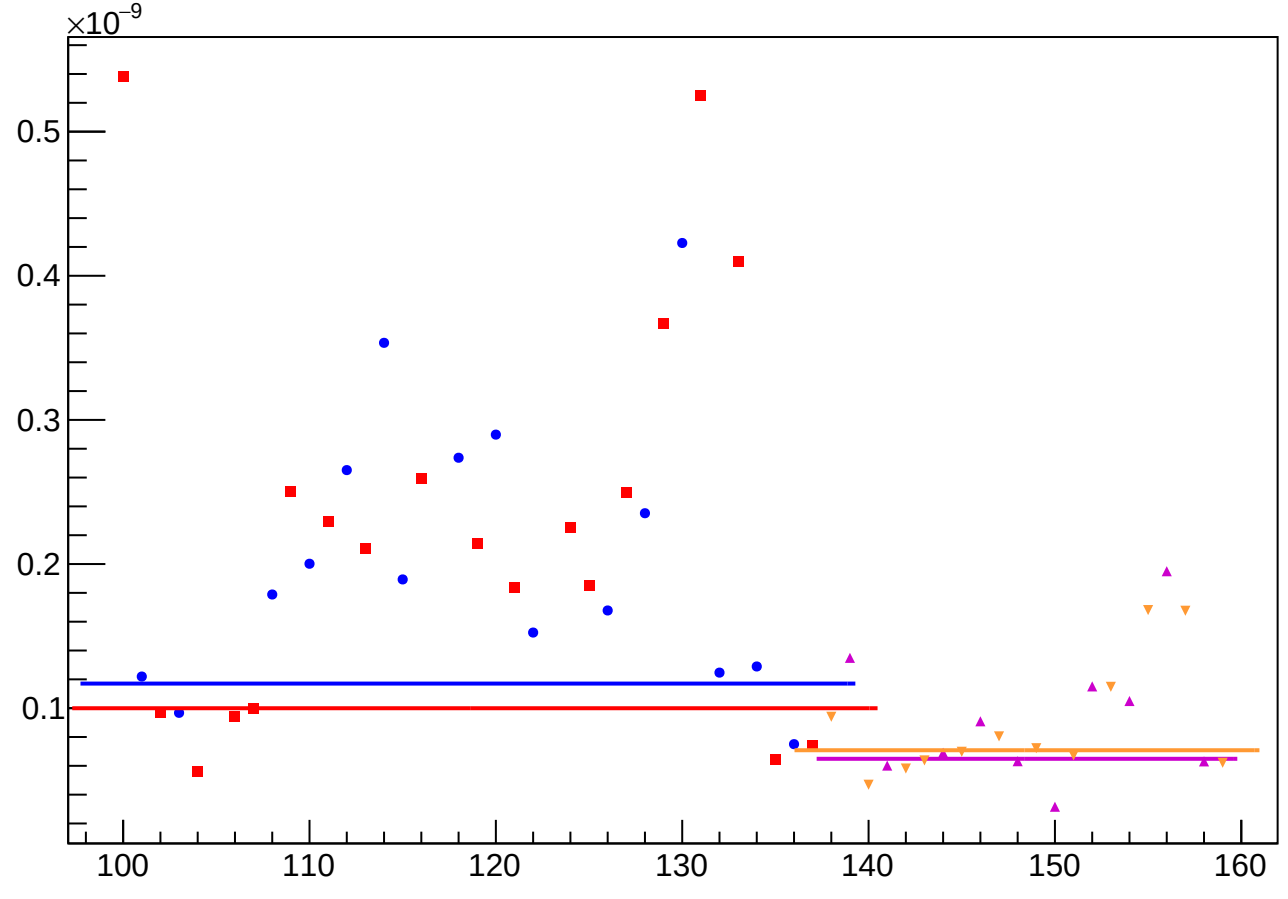
Left: -0.000+/-0.000 χ^2/NDF: 27.8/21

Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:26.7/25

Out: -0.000+/-0.000 χ^2/NDF:31.8/30

All: -0.000+/-0.000 χ^2/NDF: 58.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:812997.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1281120.3/9

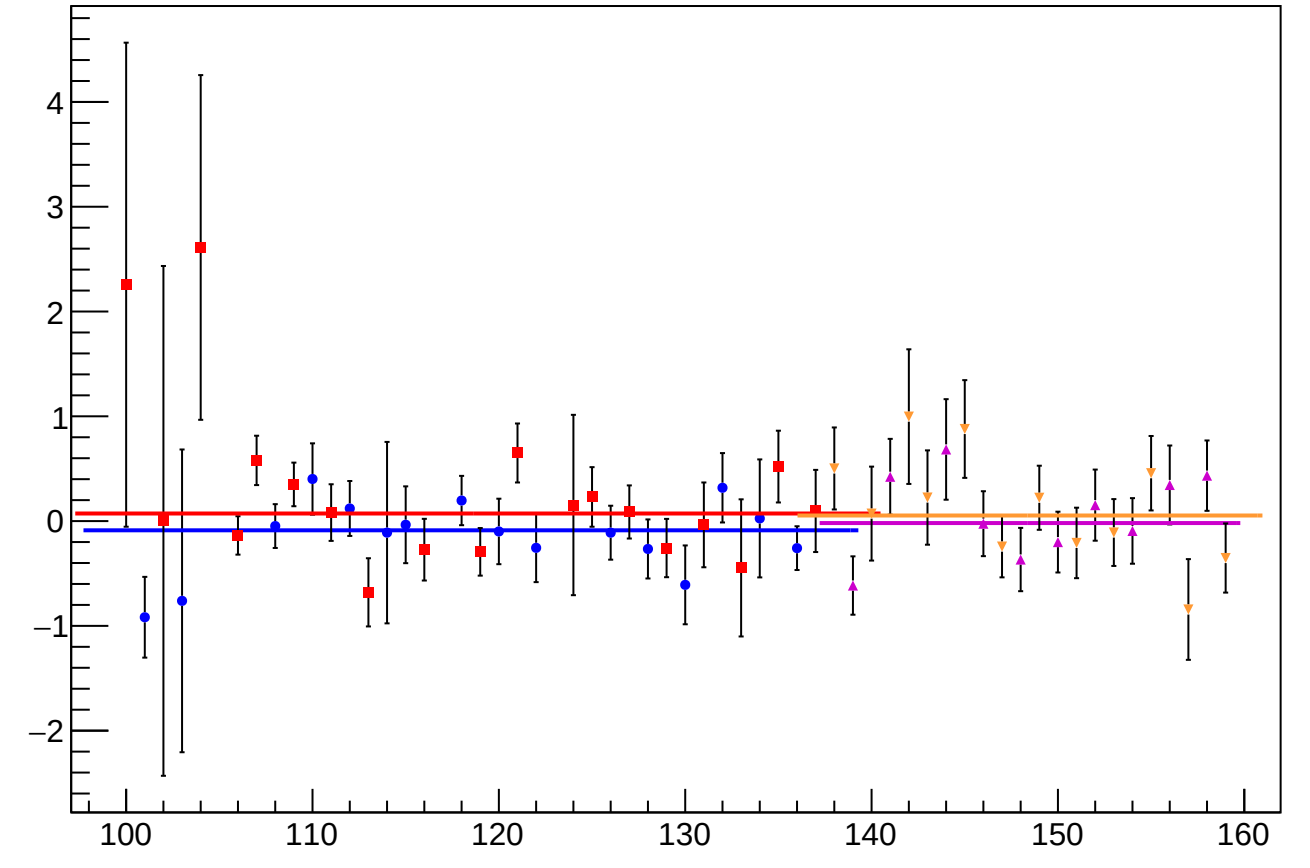
Left: 0.000+/-0.000 χ^2/NDF: 2117269.4/21

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3134665.5/25

Out: 0.000+/-0.000 χ^2/NDF:2907212.2/30

All: 0.000+/-0.000 χ^2/NDF: 6043225.4/56



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

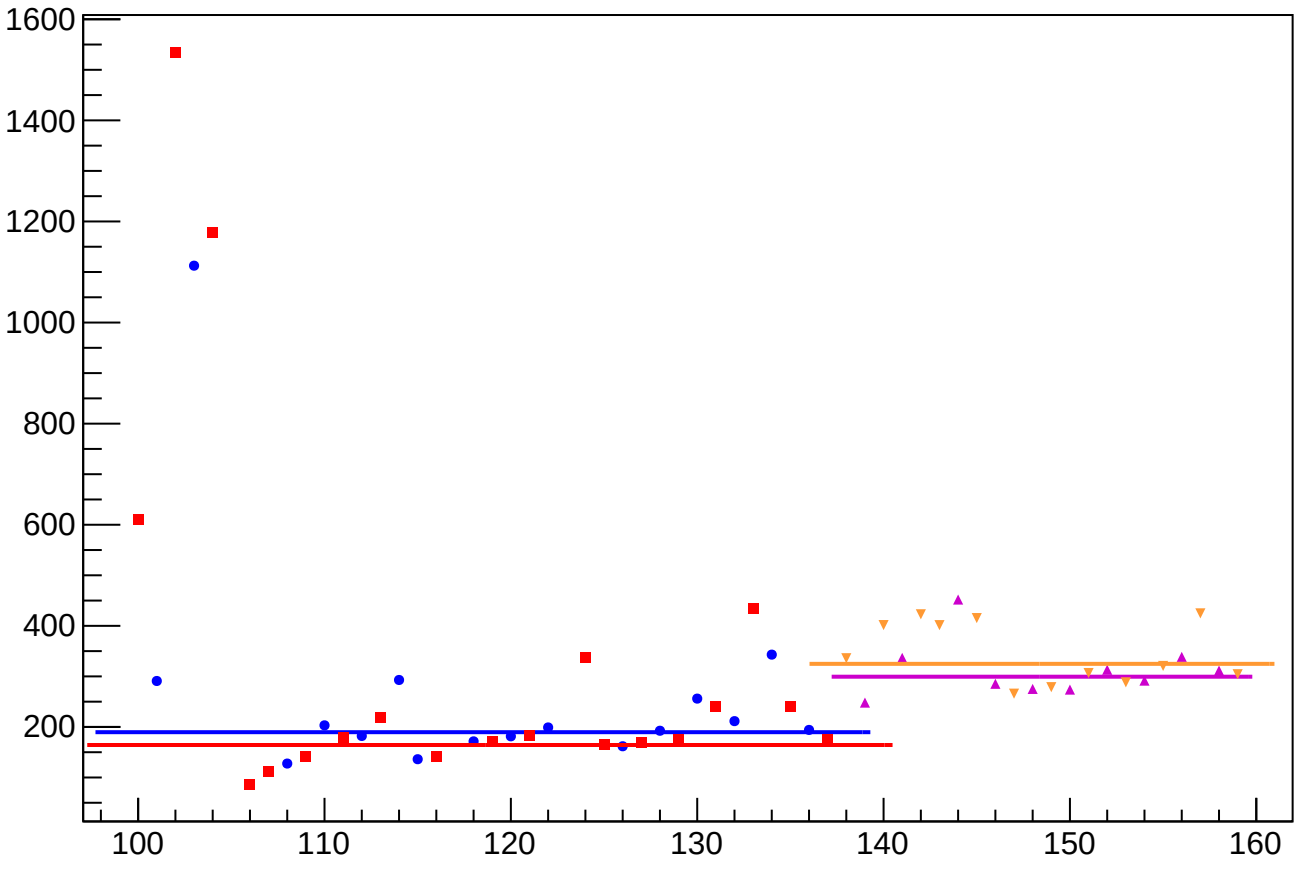
Left: 0.016+/-0.075 χ^2/NDF: 28.5/21

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.005+/-0.043 χ^2/NDF: 73.4/56



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.815+/-0.076 χ^2/NDF:492627.2/11

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

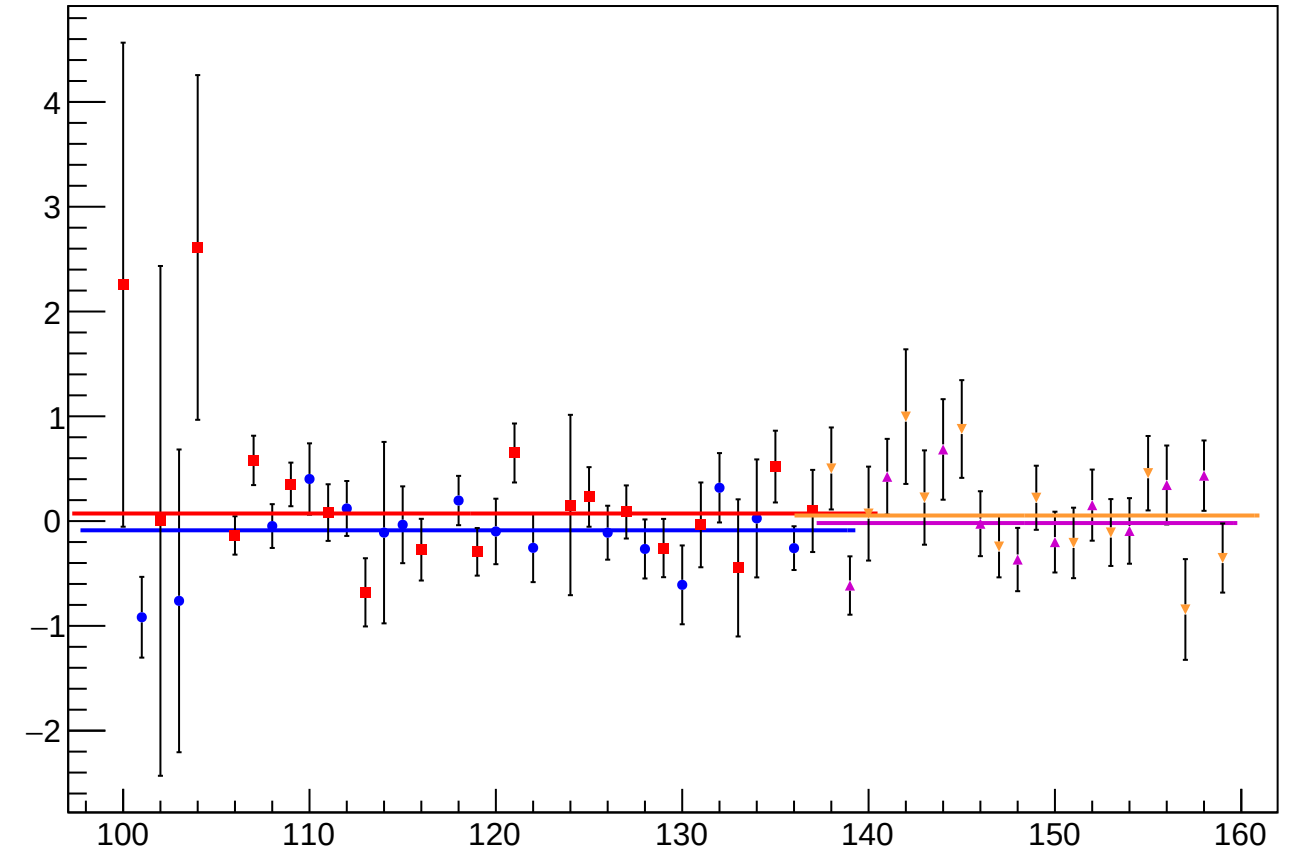
Left: 311.597+/-0.053 χ^2/NDF: 902874.2/21

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 228.477+/-0.044 χ^2/NDF:3265091.9/25

Out: 211.834+/-0.042 χ^2/NDF:6250246.9/30

All: 219.746+/-0.030 χ^2/NDF: 9591676.1/56



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

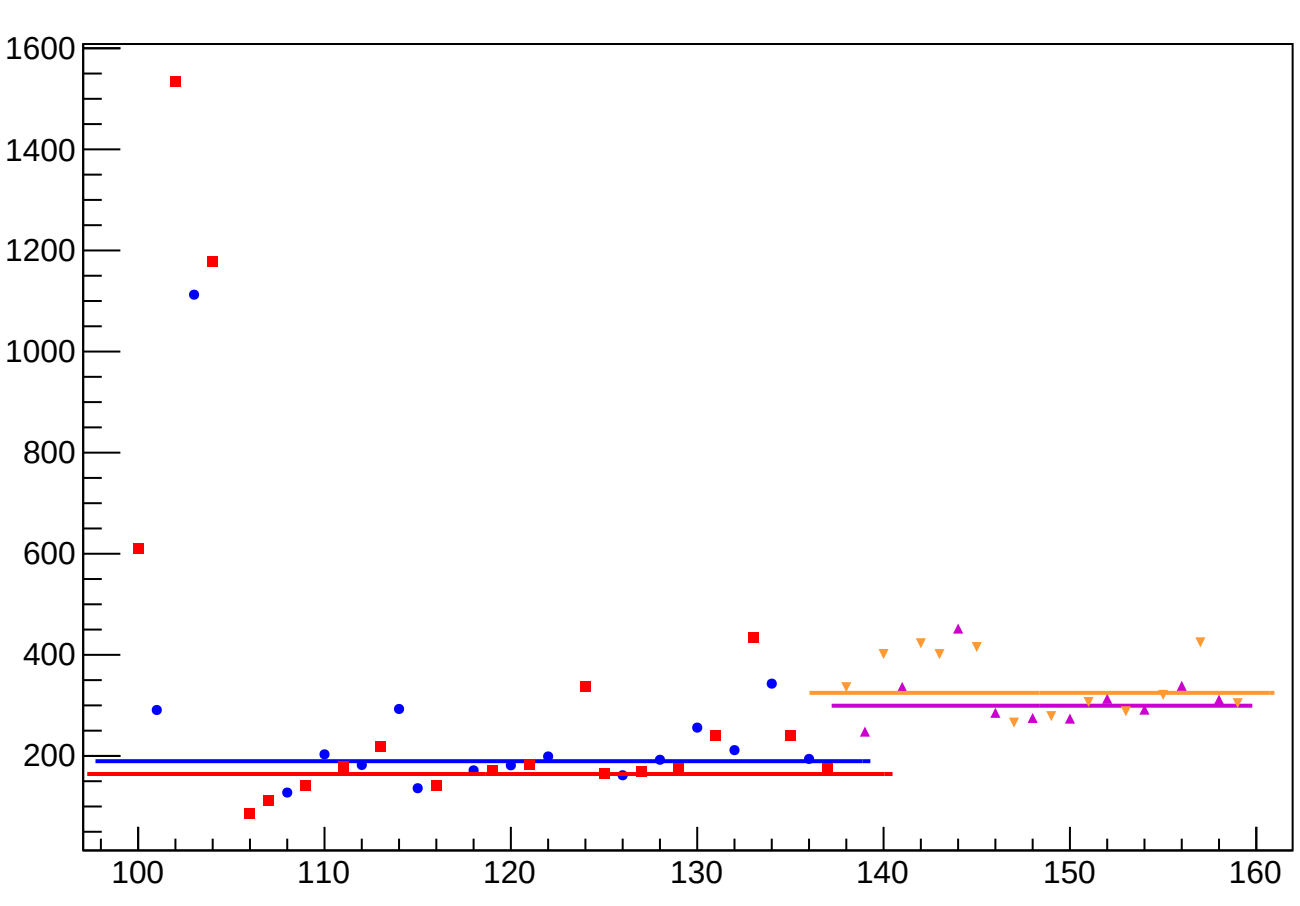
Left: 0.016+/-0.075 χ^2/NDF: 28.5/21

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.005+/-0.043 χ^2/NDF: 73.4/56



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.815+/-0.076 χ^2/NDF:492627.2/11

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

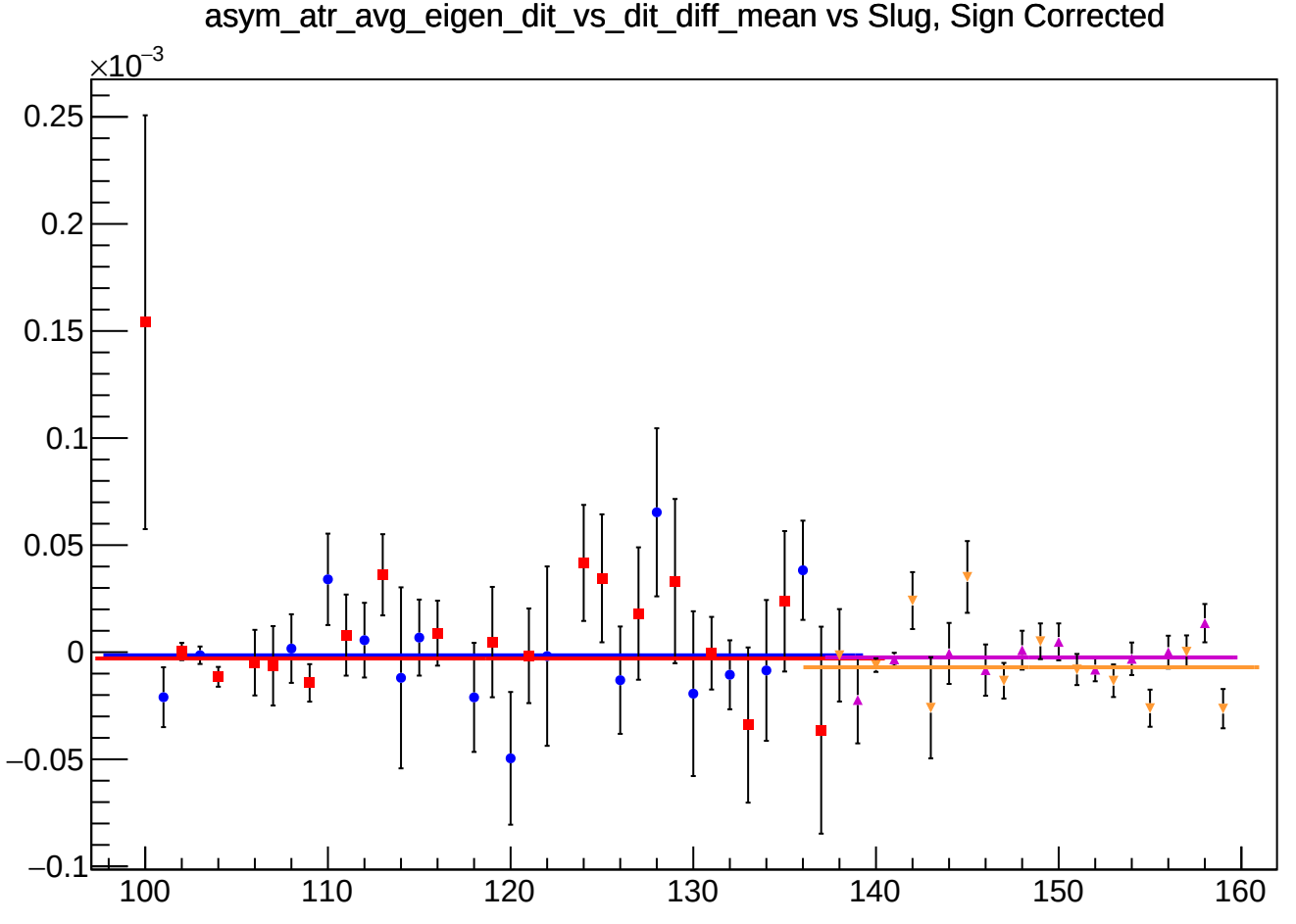
Left: 311.597+/-0.053 χ^2/NDF: 902874.2/21

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 228.477+/-0.044 χ^2/NDF:3265091.9/25

Out: 211.834+/-0.042 χ^2/NDF:6250246.9/30

All: 219.746+/-0.030 χ^2/NDF: 9591676.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

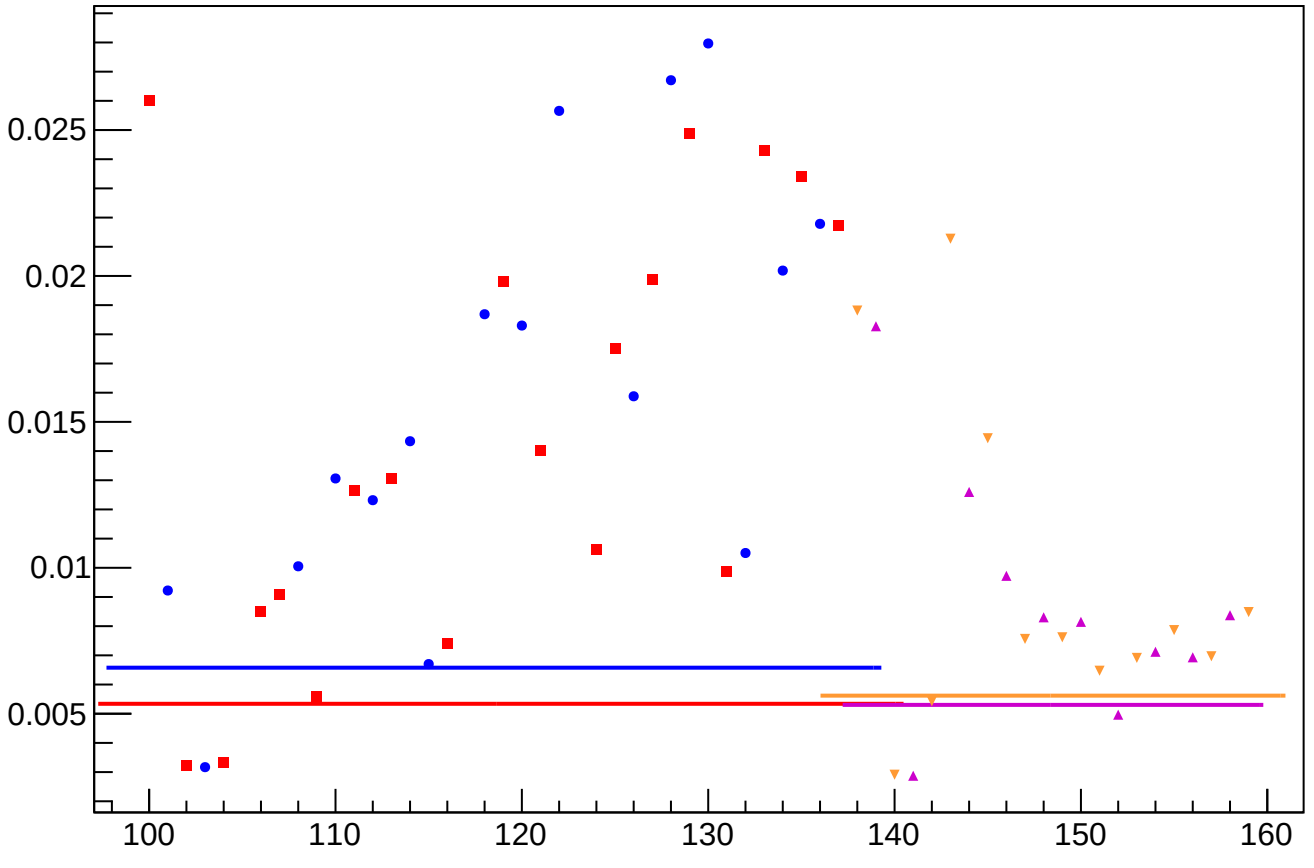
Left: -0.000+/-0.000 χ^2/NDF: 35.2/21

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:21.5/25

Out: -0.000+/-0.000 χ^2/NDF:49.0/30

All: -0.000+/-0.000 χ^2/NDF: 72.3/56



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:4339715.9/11

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.005+/-0.000 χ^2/NDF:3762481.6/9

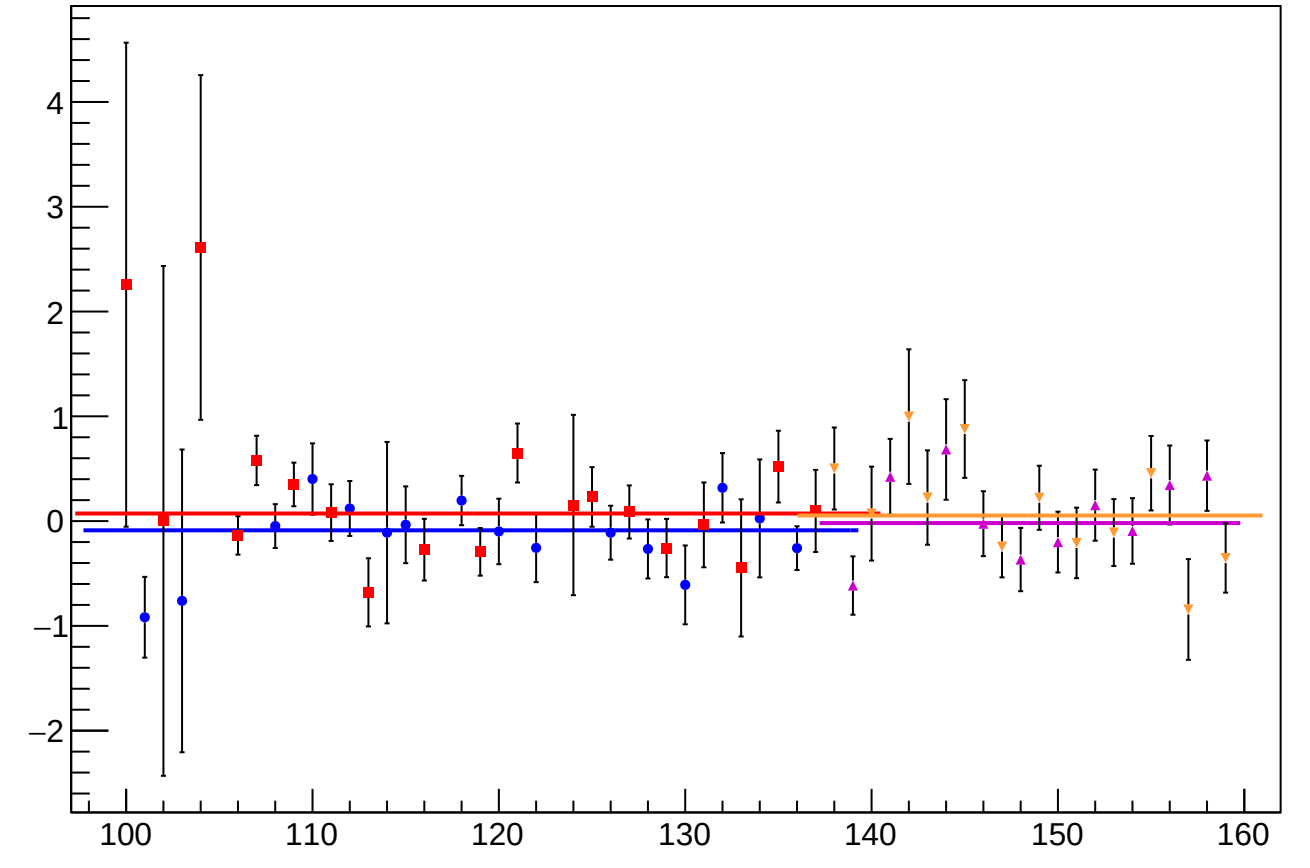
Left: 0.005+/-0.000 χ^2/NDF: 8124616.8/21

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:9901874.7/25

Out: 0.006+/-0.000 χ^2/NDF:10039668.6/30

All: 0.006+/-0.000 χ^2/NDF: 19950551.4/56



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

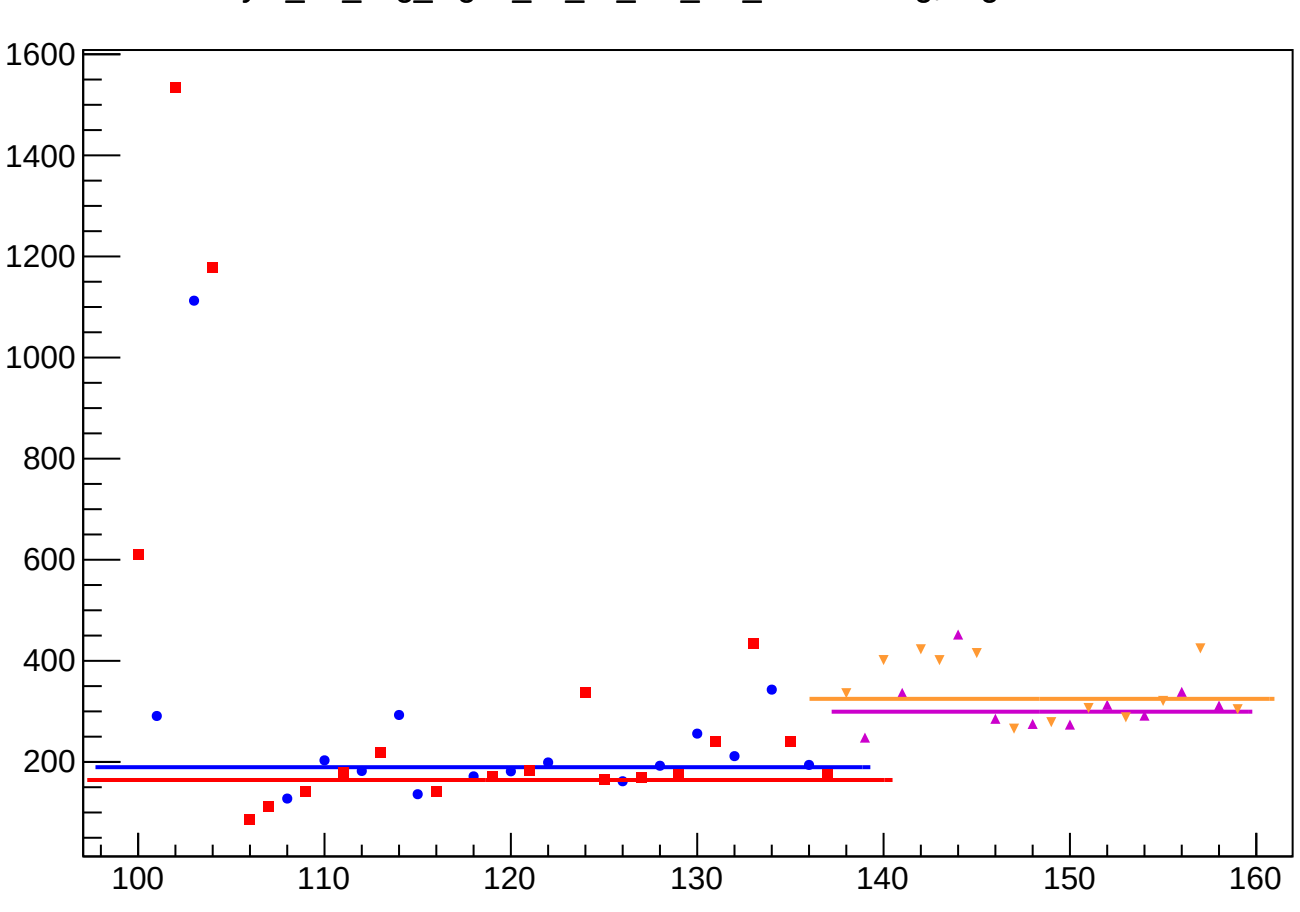
Left: 0.016+/-0.075 χ^2/NDF: 28.5/21

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.005+/-0.043 χ^2/NDF: 73.4/56



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.819+/-0.076 χ^2/NDF:492612.4/11

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

Left: 311.601+/-0.053 χ^2/NDF: 902839.8/21

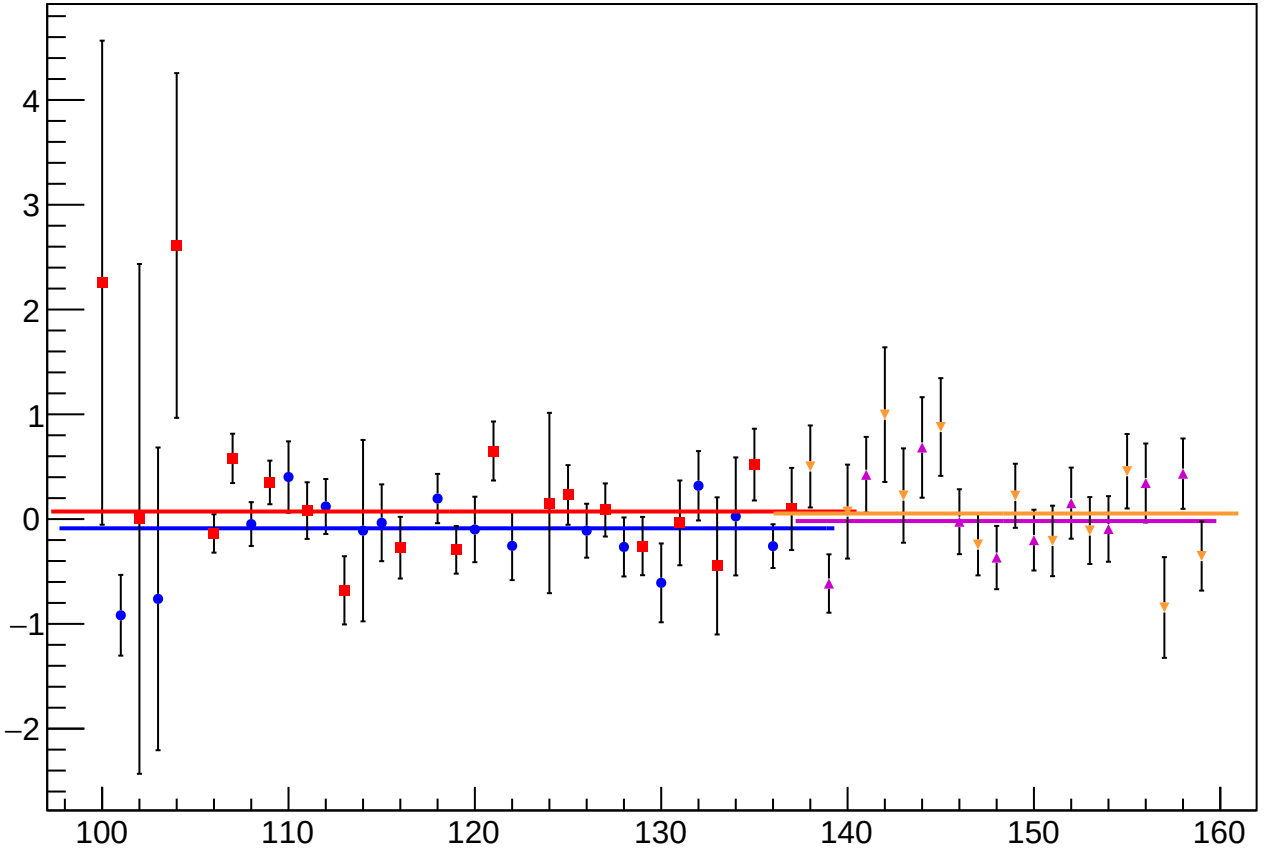
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 228.477+/-0.044 χ^2/NDF:3265159.1/25

Out: 211.833+/-0.042 χ^2/NDF:6250347.4/30

All: 219.745+/-0.030 χ^2/NDF: 9591848.8/56

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: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

Left: 0.016+/-0.075 χ^2/NDF: 28.5/21

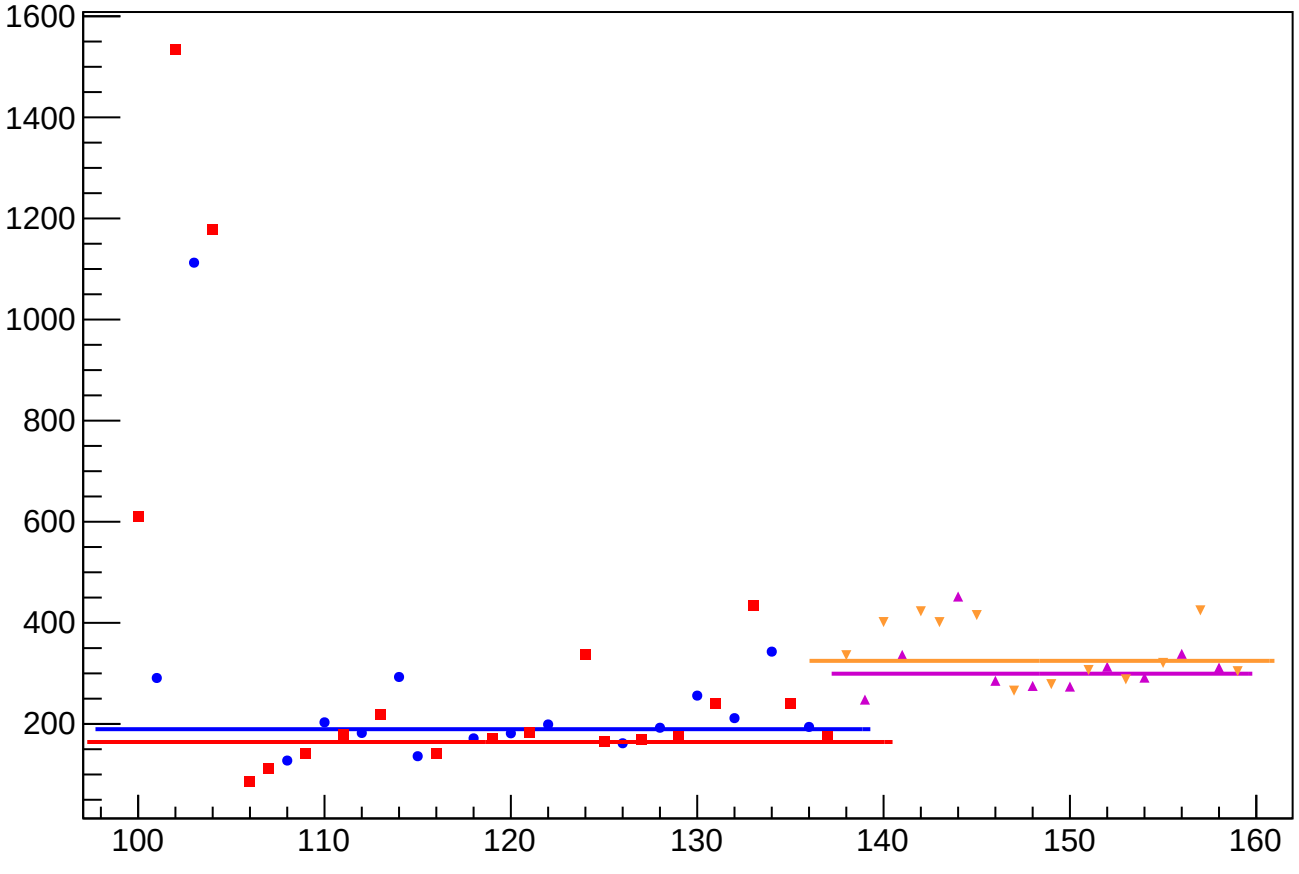
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.005+/-0.043 χ^2/NDF: 73.4/56

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.819+/-0.076 χ^2/NDF:492612.4/11

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

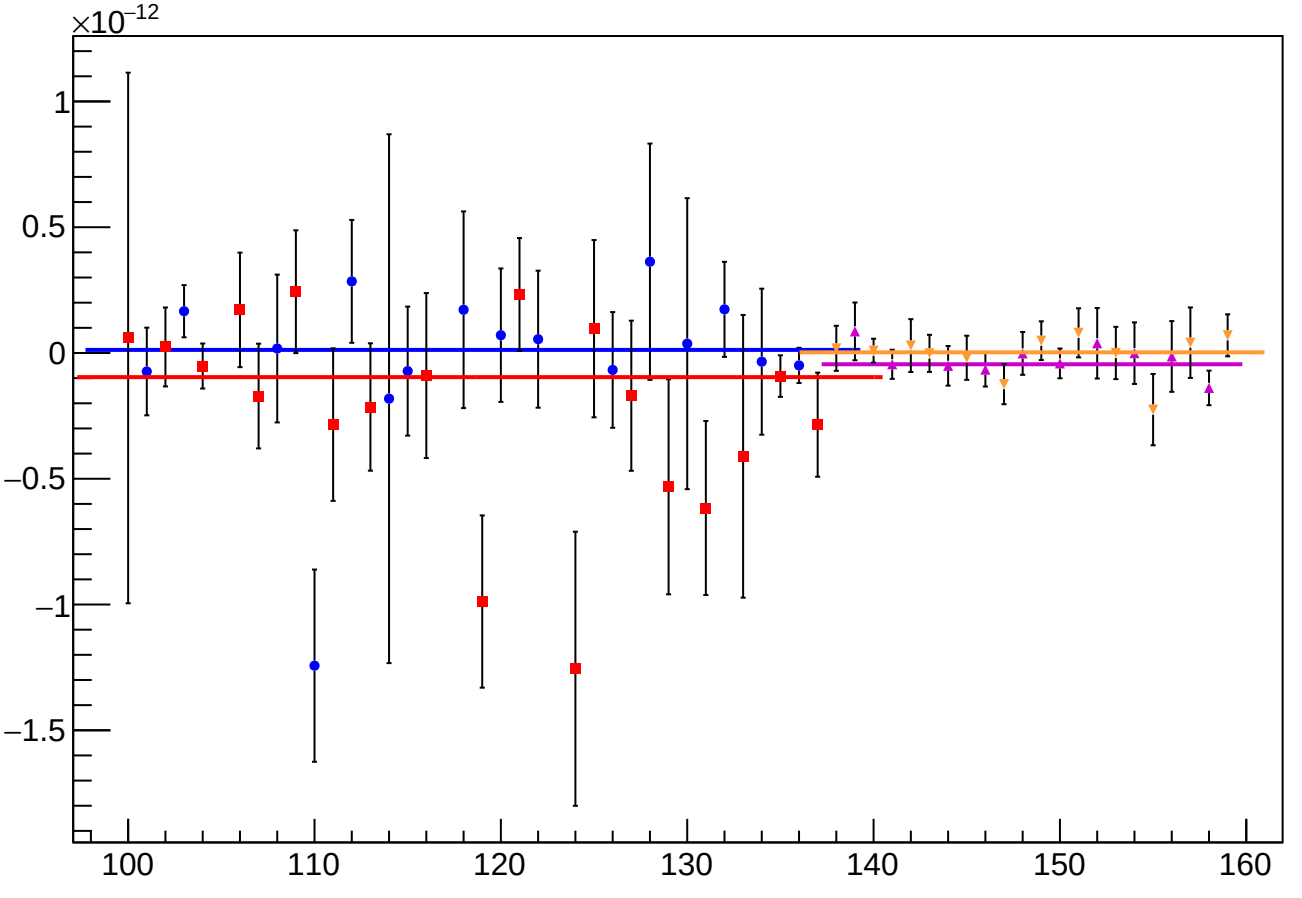
Left: 311.601+/-0.053 χ^2/NDF: 902839.8/21

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 228.477+/-0.044 χ^2/NDF:3265159.1/25

Out: 211.833+/-0.042 χ^2/NDF:6250347.4/30

All: 219.745+/-0.030 χ^2/NDF: 9591848.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/9

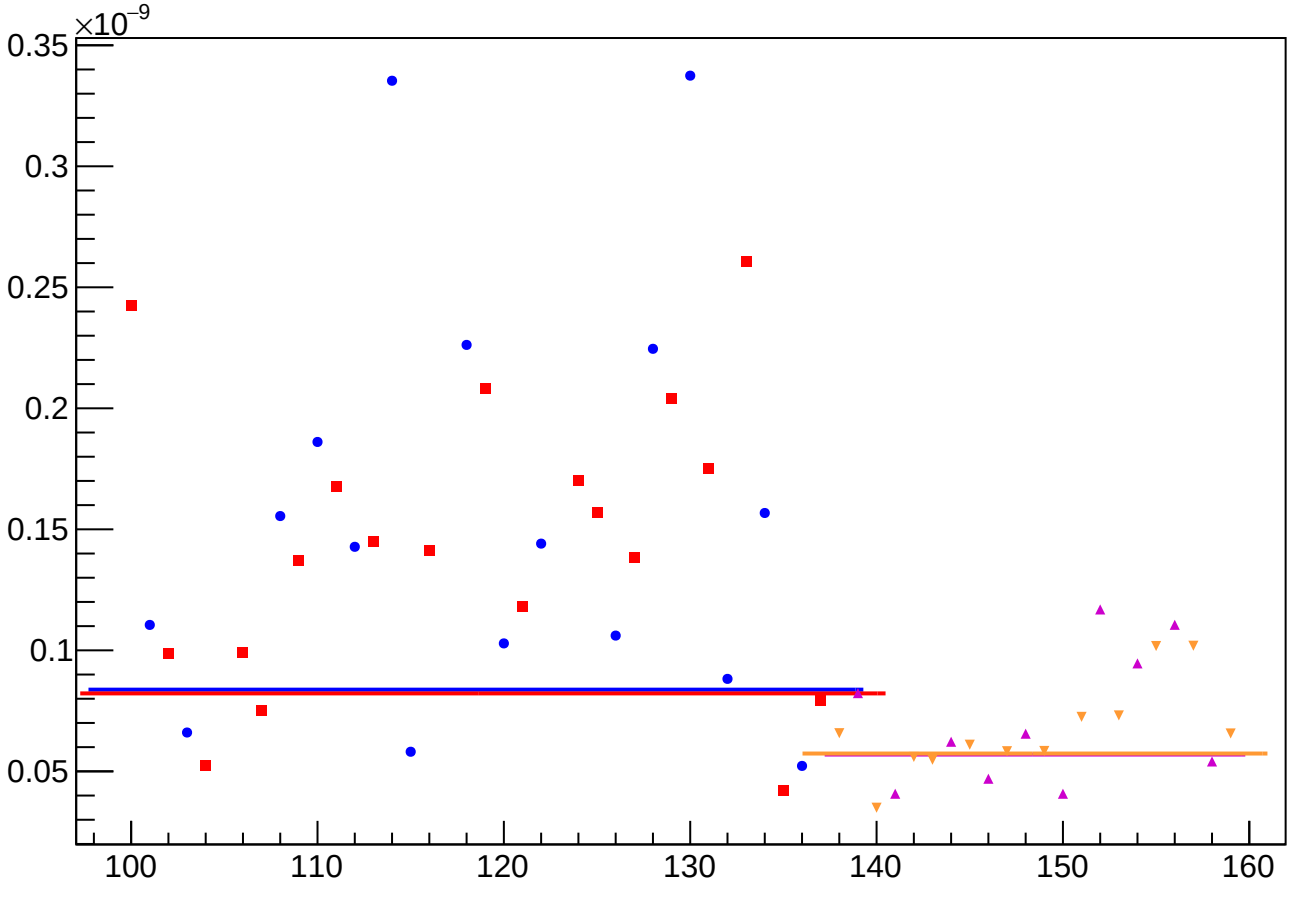
Left: -0.000+/-0.000 χ^2/NDF: 12.9/21

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:22.3/25

Out: -0.000+/-0.000 χ^2/NDF:33.9/30

All: -0.000+/-0.000 χ^2/NDF: 56.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:983187.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1326920.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2310400.7/21

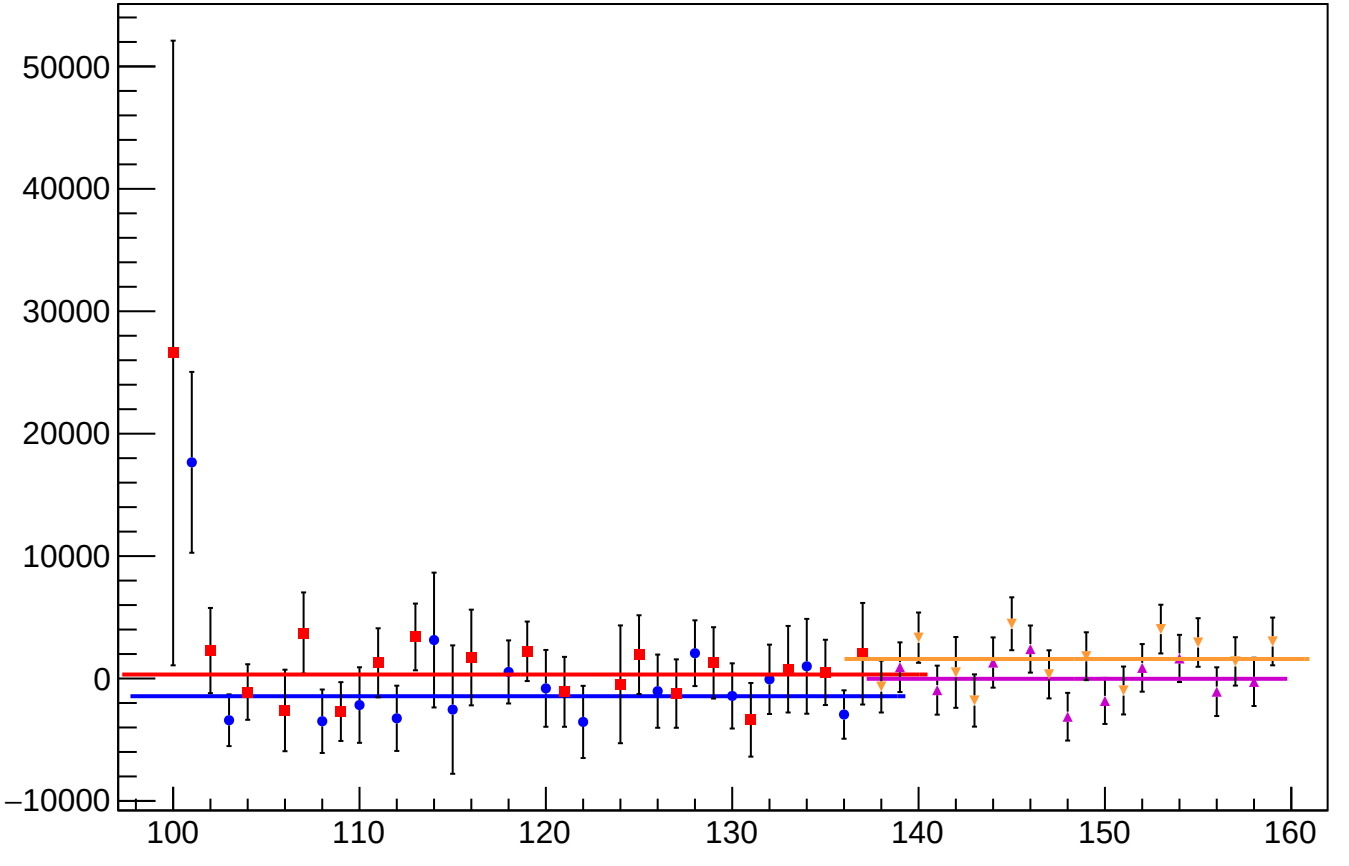
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3965119.6/25

Out: 0.000+/-0.000 χ^2/NDF:3734246.6/30

All: 0.000+/-0.000 χ^2/NDF: 7699653.0/56

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1595.992+/-595.458 χ^2/NDF:11.0/11

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -24.148+/-621.525 χ^2/NDF:7.1/9

Left: 820.608+/-429.972 χ^2/NDF: 21.6/21

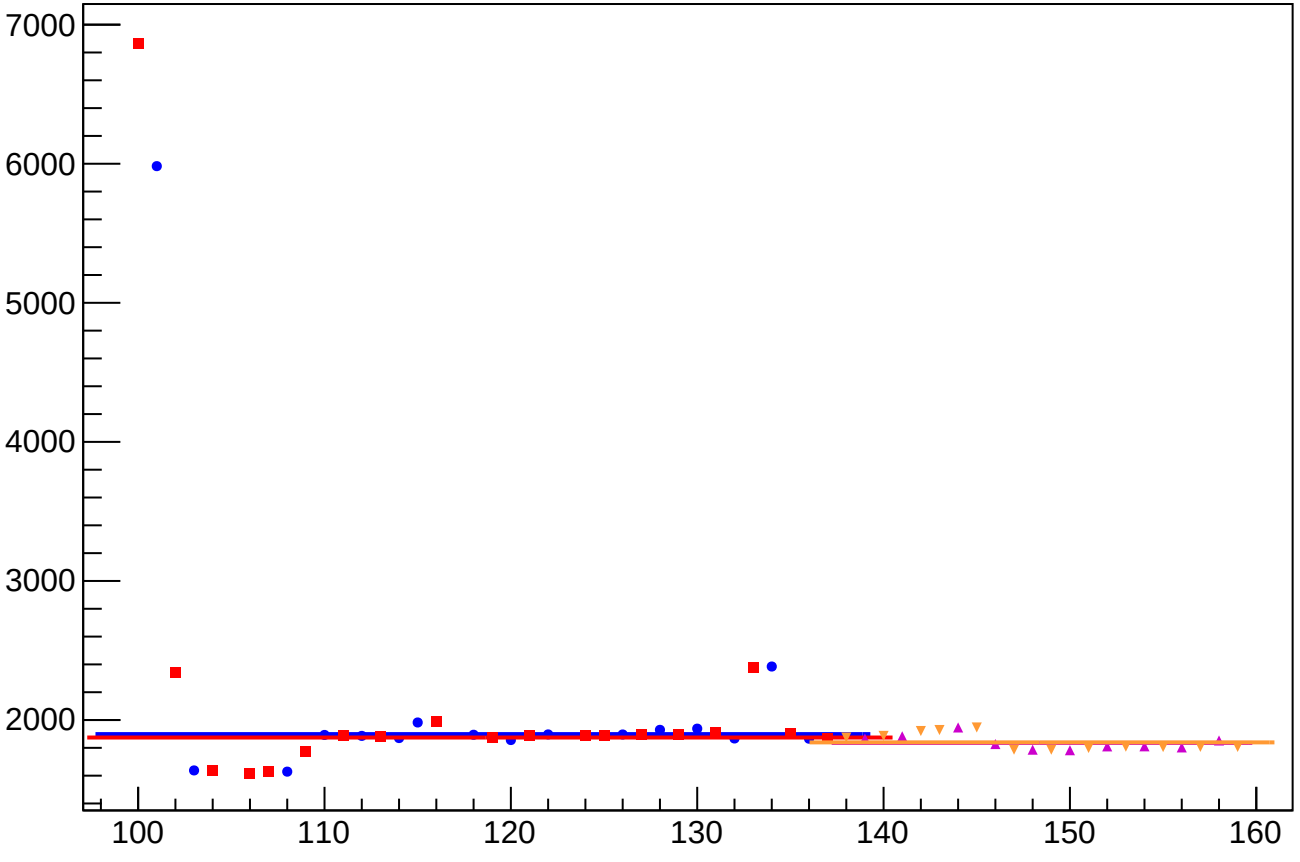
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -628.468+/-471.352 χ^2/NDF:22.9/25

Out: 1065.116+/-454.274 χ^2/NDF:22.8/30

All: 249.559+/-327.091 χ^2/NDF: 52.4/56

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1839.251+/-0.421 χ^2/NDF:17434.5/11

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

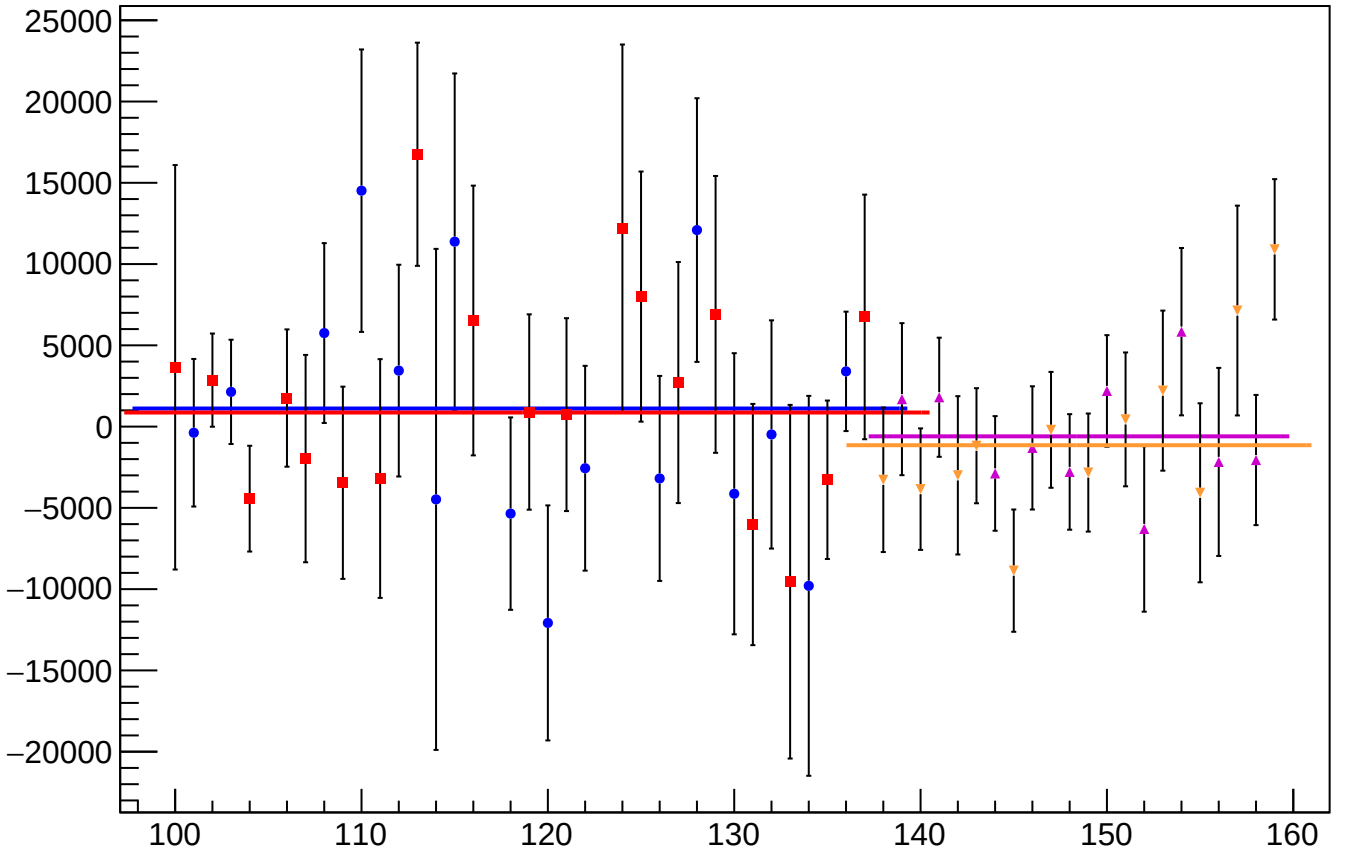
Left: 1837.342+/-0.304 χ^2/NDF: 29142.6/21

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1862.268+/-0.333 χ^2/NDF:718066.7/25

Out: 1853.938+/-0.321 χ^2/NDF:227991.8/30

All: 1857.944+/-0.231 χ^2/NDF: 946382.7/56



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1145.174+/-1212.596 χ^2/NDF:15.7/11

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -599.390+/-1288.006 χ^2/NDF:5.2/9

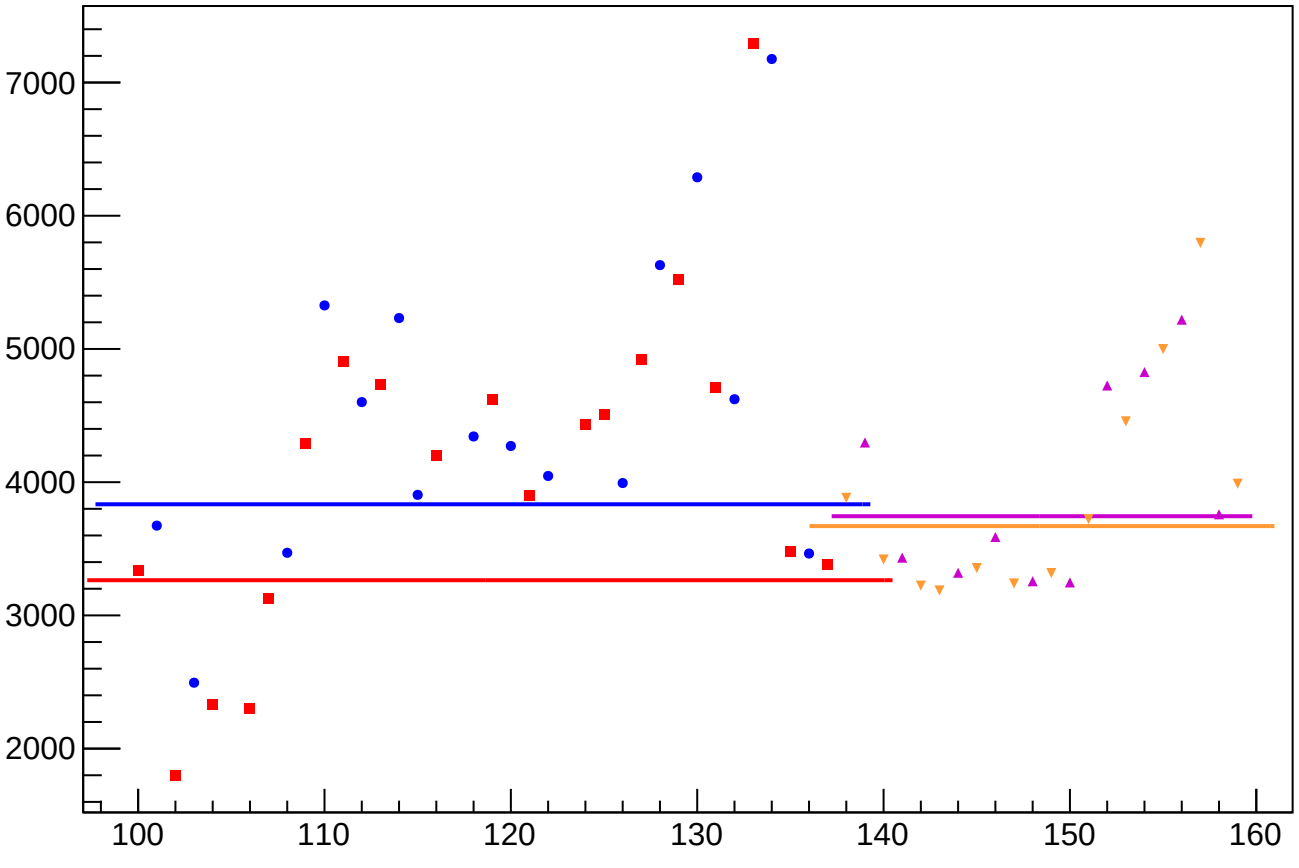
Left: -888.726+/-882.891 χ^2/NDF: 21.0/21

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 138.889+/-971.387 χ^2/NDF:19.3/25

Out: -214.556+/-889.008 χ^2/NDF:32.6/30

All: -53.454+/-655.817 χ^2/NDF: 52.0/56



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3670.335+/-0.857 χ^2/NDF:525240.8/11

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3744.563+/-0.911 χ^2/NDF:447215.8/9

Left: 3705.212+/-0.624 χ^2/NDF: 975978.0/21

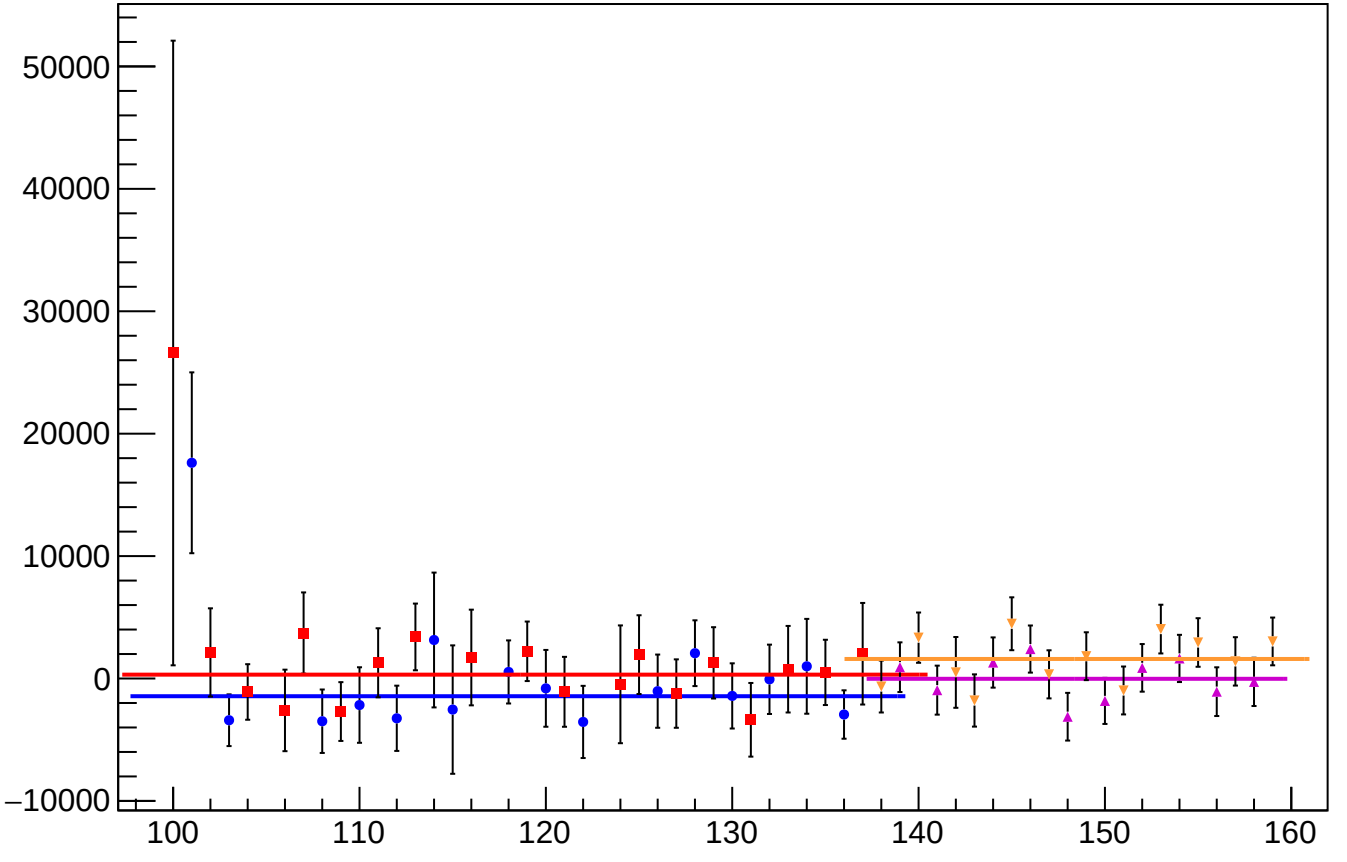
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3783.200+/-0.687 χ^2/NDF:1408165.0/25

Out: 3482.456+/-0.629 χ^2/NDF:2493292.6/30

All: 3619.537+/-0.464 χ^2/NDF: 4005783.8/56

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1596.140+/-595.458 χ^2/NDF:11.0/11

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -24.164+/-621.525 χ^2/NDF:7.1/9

Left: 820.677+/-429.972 χ^2/NDF: 21.6/21

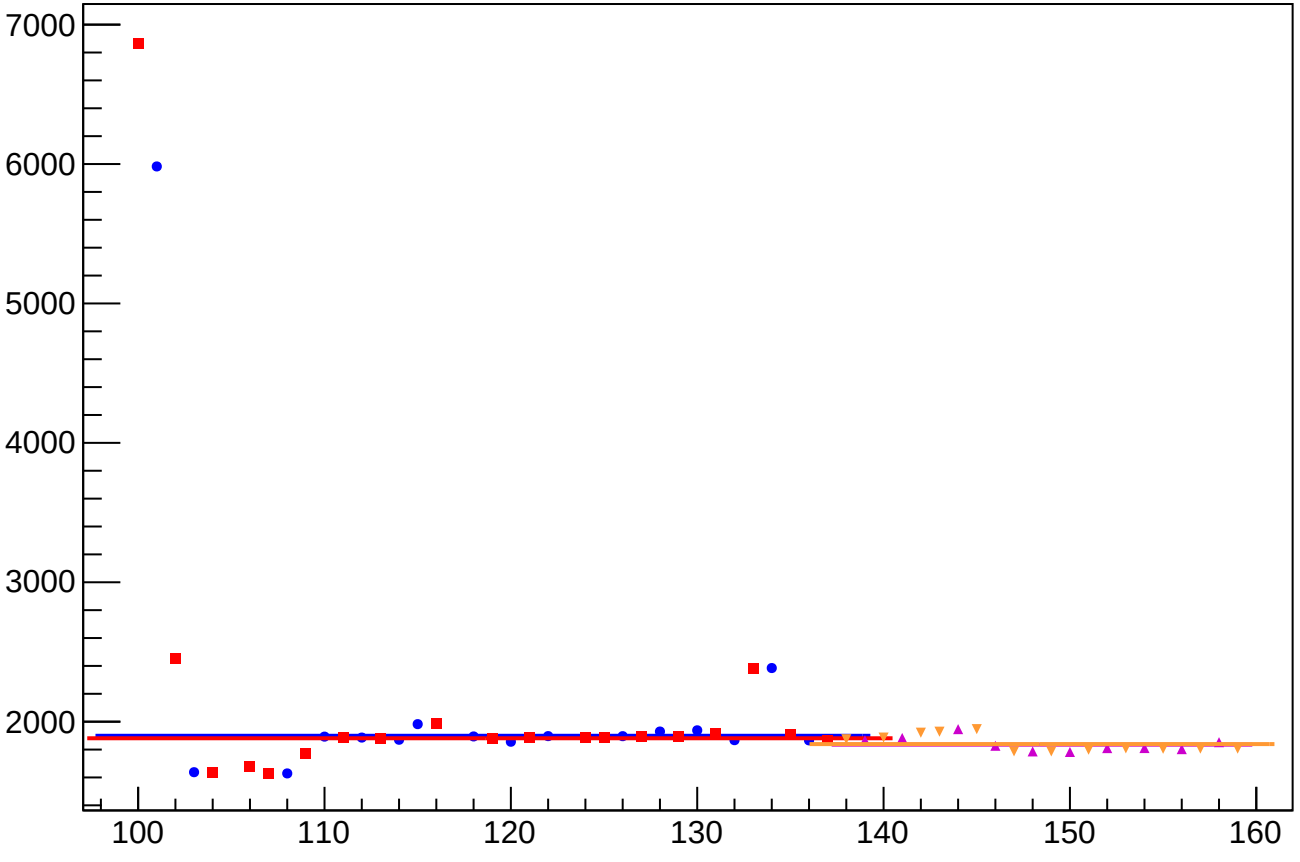
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -628.641+/-471.352 χ^2/NDF:22.8/25

Out: 1061.675+/-454.530 χ^2/NDF:22.8/30

All: 247.217+/-327.187 χ^2/NDF: 52.3/56

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1839.251+/-0.421 χ^2/NDF:17434.4/11

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

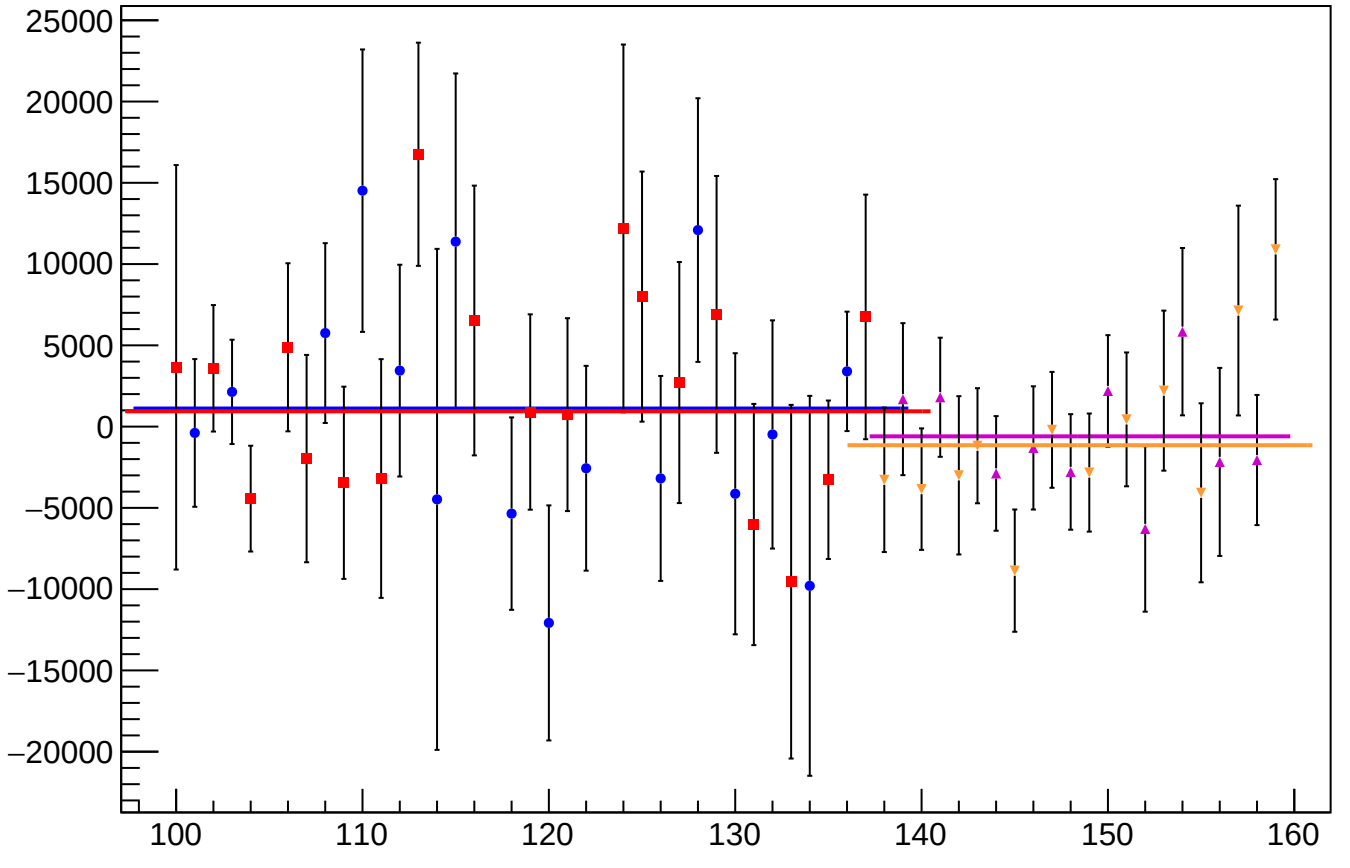
Left: 1837.342+/-0.304 χ^2/NDF: 29142.6/21

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1862.268+/-0.333 χ^2/NDF:718066.8/25

Out: 1856.708+/-0.321 χ^2/NDF:238110.5/30

All: 1859.386+/-0.231 χ^2/NDF: 956321.6/56



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1145.110+/-1212.595 χ^2/NDF:15.7/11

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -599.527+/-1288.004 χ^2/NDF:5.2/9

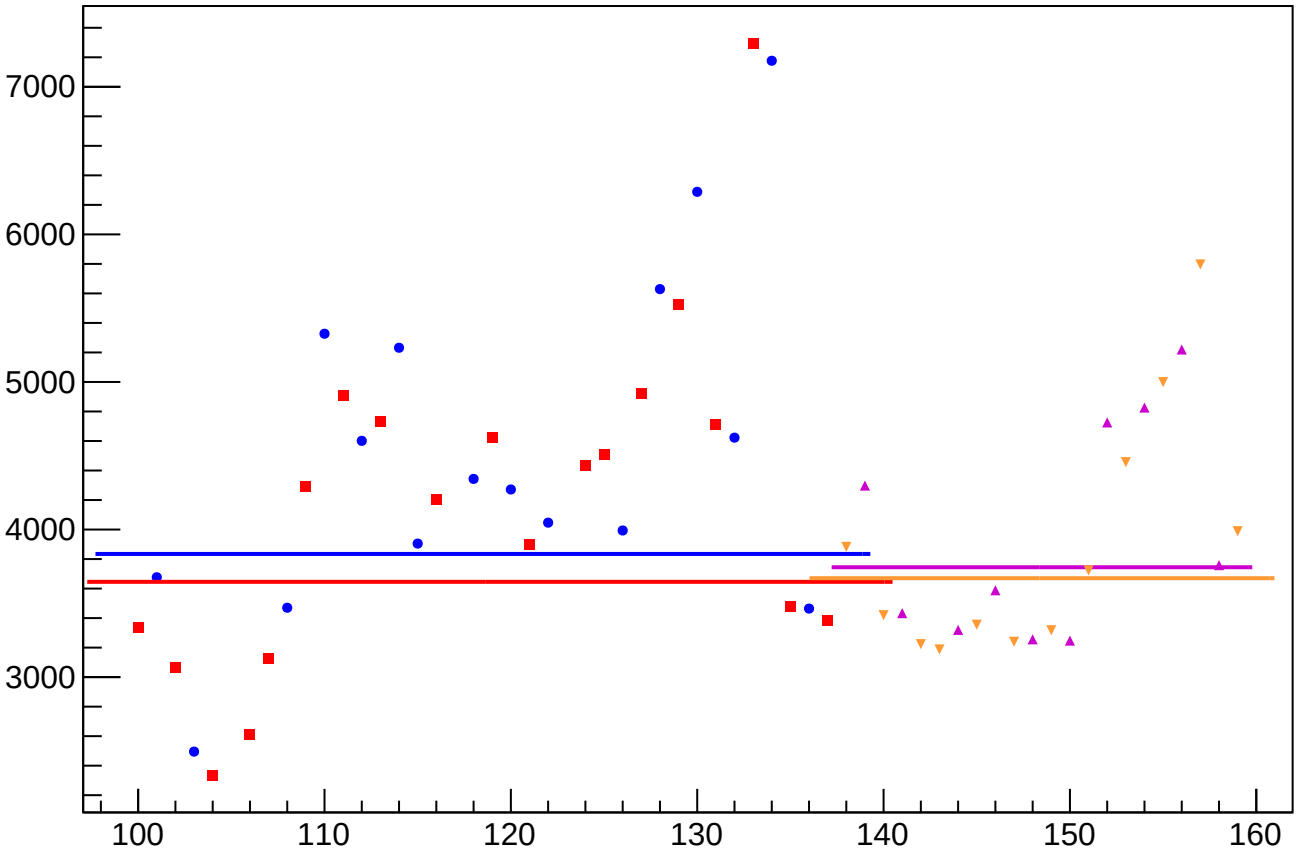
Left: -888.756+/-882.890 χ^2/NDF: 21.0/21

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 138.206+/-971.435 χ^2/NDF:19.3/25

Out: -250.316+/-916.301 χ^2/NDF:33.2/30

All: -67.393+/-666.562 χ^2/NDF: 52.6/56



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3670.332+/-0.857 χ^2/NDF:525240.7/11

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

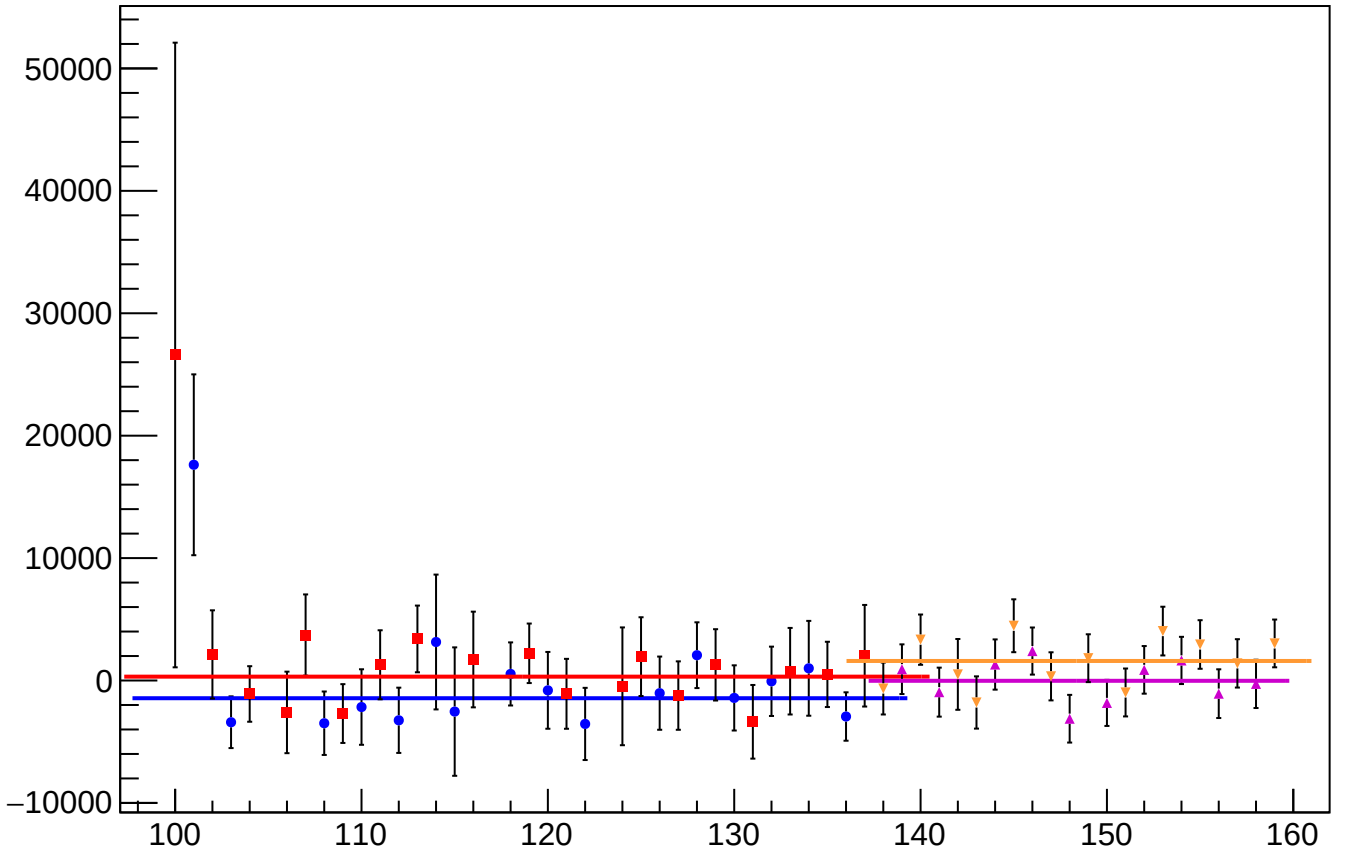
Left: 3705.208+/-0.624 χ^2/NDF: 975987.3/21

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3783.418+/-0.687 χ^2/NDF:1407760.5/25

Out: 3659.761+/-0.648 χ^2/NDF:1650576.4/30

All: 3717.981+/-0.471 χ^2/NDF: 3075486.3/56



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1596.140+/-595.458 χ^2/NDF:11.0/11

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -24.164+/-621.525 χ^2/NDF:7.1/9

Left: 820.677+/-429.972 χ^2/NDF: 21.6/21

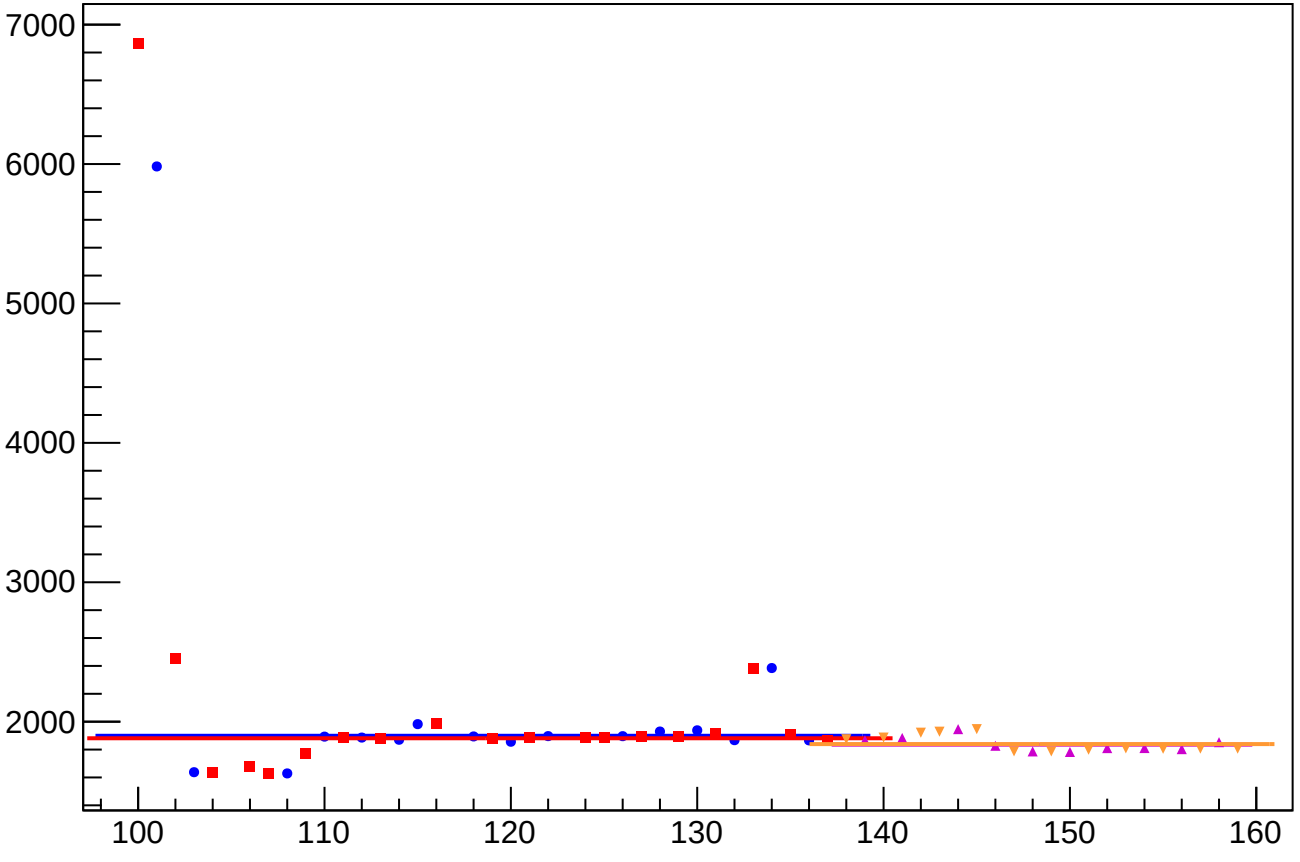
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -628.641+/-471.352 χ^2/NDF:22.8/25

Out: 1061.675+/-454.530 χ^2/NDF:22.8/30

All: 247.217+/-327.187 χ^2/NDF: 52.3/56

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1839.251+/-0.421 χ^2/NDF:17434.4/11

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

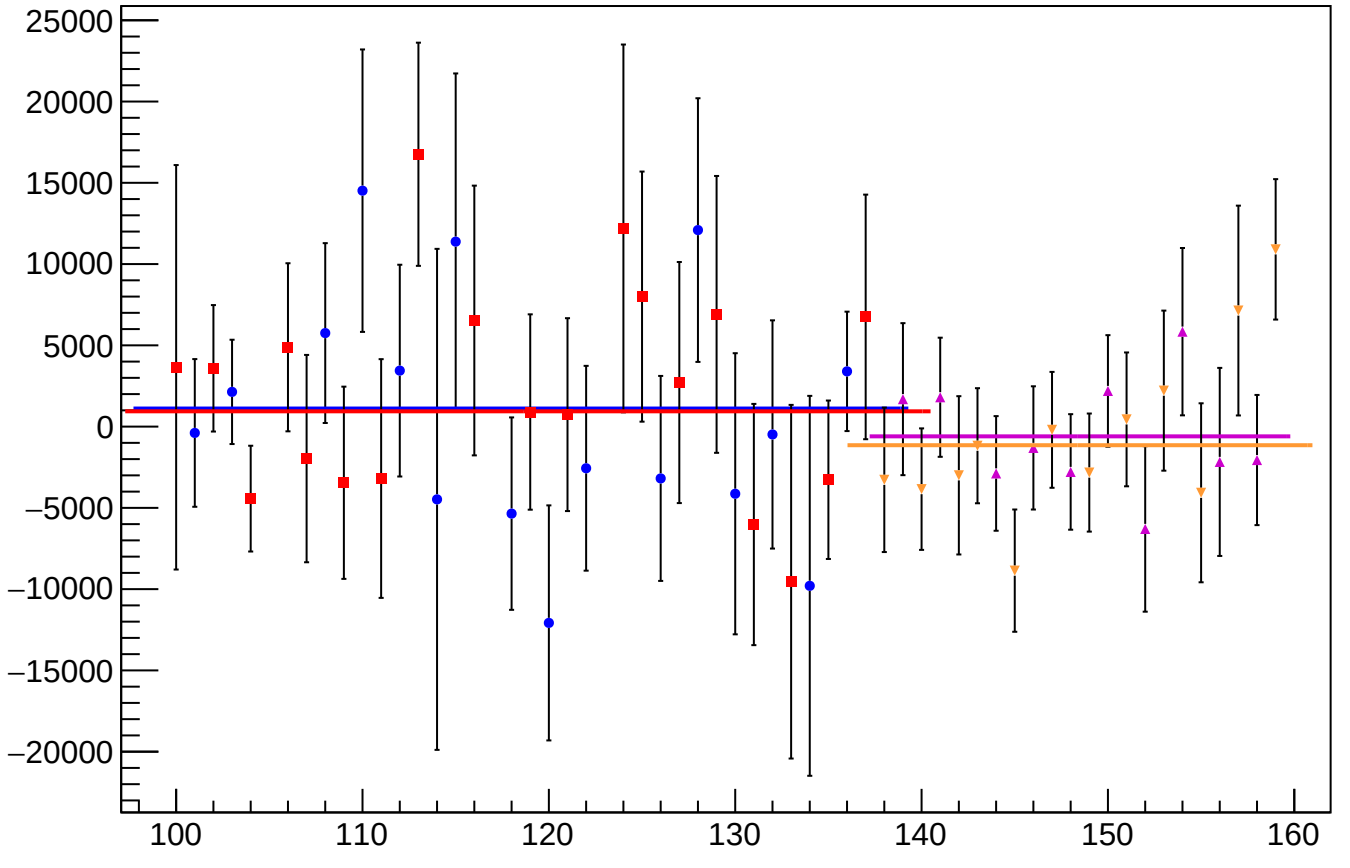
Left: 1837.342+/-0.304 χ^2/NDF: 29142.6/21

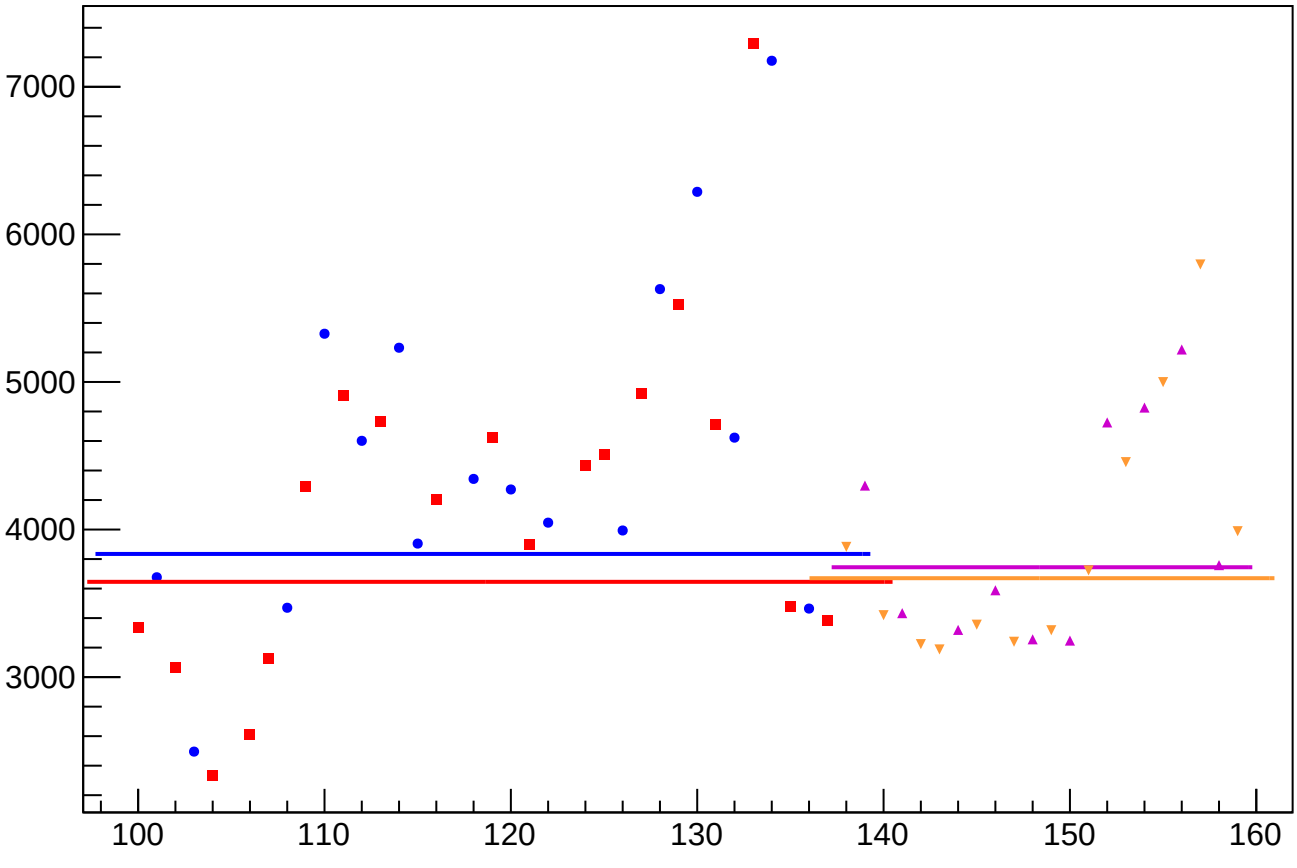
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1862.268+/-0.333 χ^2/NDF:718066.8/25

Out: 1856.708+/-0.321 χ^2/NDF:238110.5/30

All: 1859.386+/-0.231 χ^2/NDF: 956321.6/56


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1145.110+/-1212.595 χ²/NDF:15.7/11
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -599.527+/-1288.004 χ²/NDF:5.2/9
Left: -888.756+/-882.890 χ²/NDF: 21.0/21
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 138.206+/-971.435 χ²/NDF:19.3/25
Out: -250.316+/-916.301 χ²/NDF:33.2/30
All: -67.393+/-666.562 χ²/NDF: 52.6/56



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3670.332+/-0.857 χ^2/NDF:525240.7/11

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

Left: 3705.208+/-0.624 χ^2/NDF: 975987.3/21

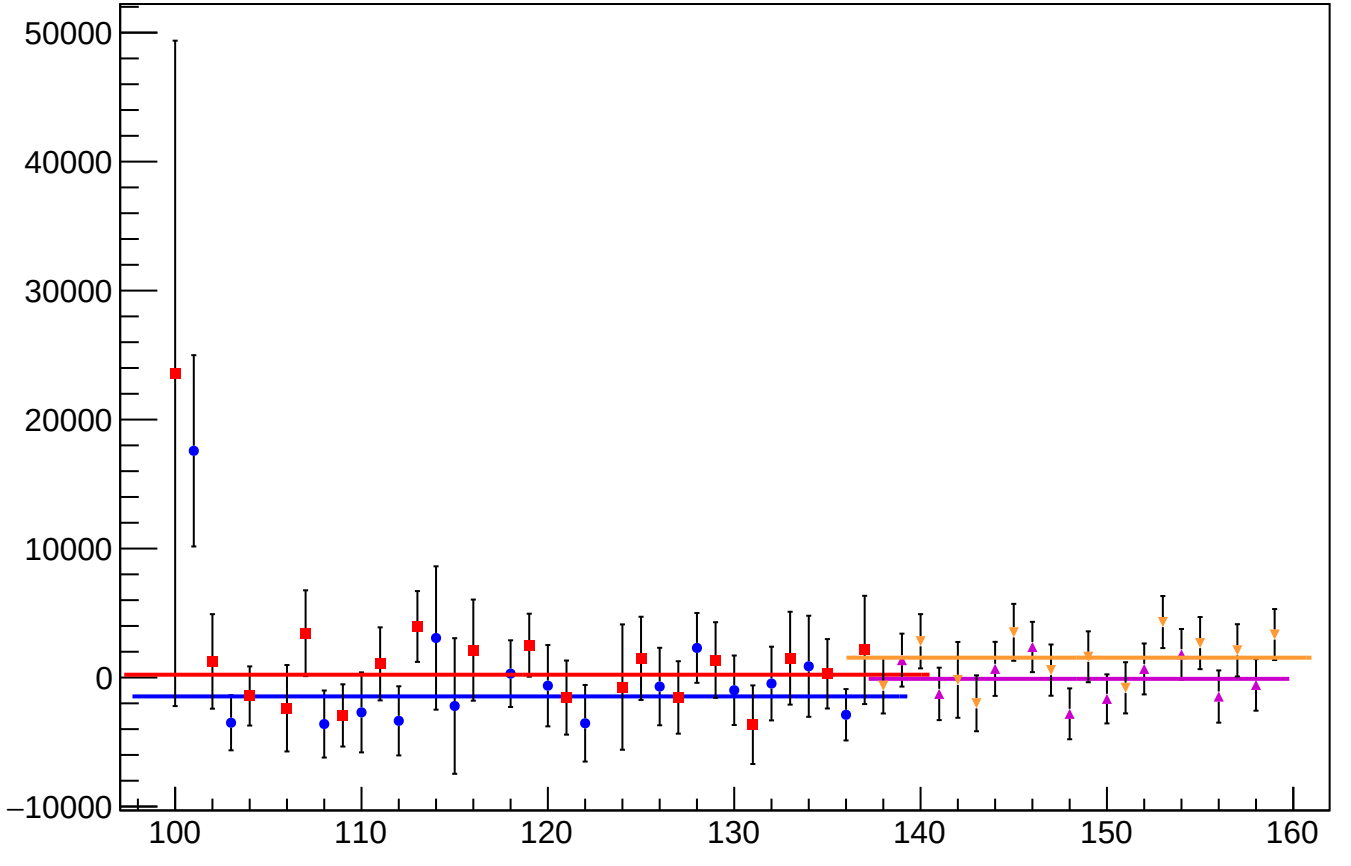
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3783.418+/-0.687 χ^2/NDF:1407760.5/25

Out: 3659.761+/-0.648 χ^2/NDF:1650576.4/30

All: 3717.981+/-0.471 χ^2/NDF: 3075486.3/56

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1540.495+/-605.261 χ^2/NDF:9.9/11

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -101.248+/-630.691 χ^2/NDF:6.7/9

Left: 753.389+/-436.698 χ^2/NDF: 20.2/21

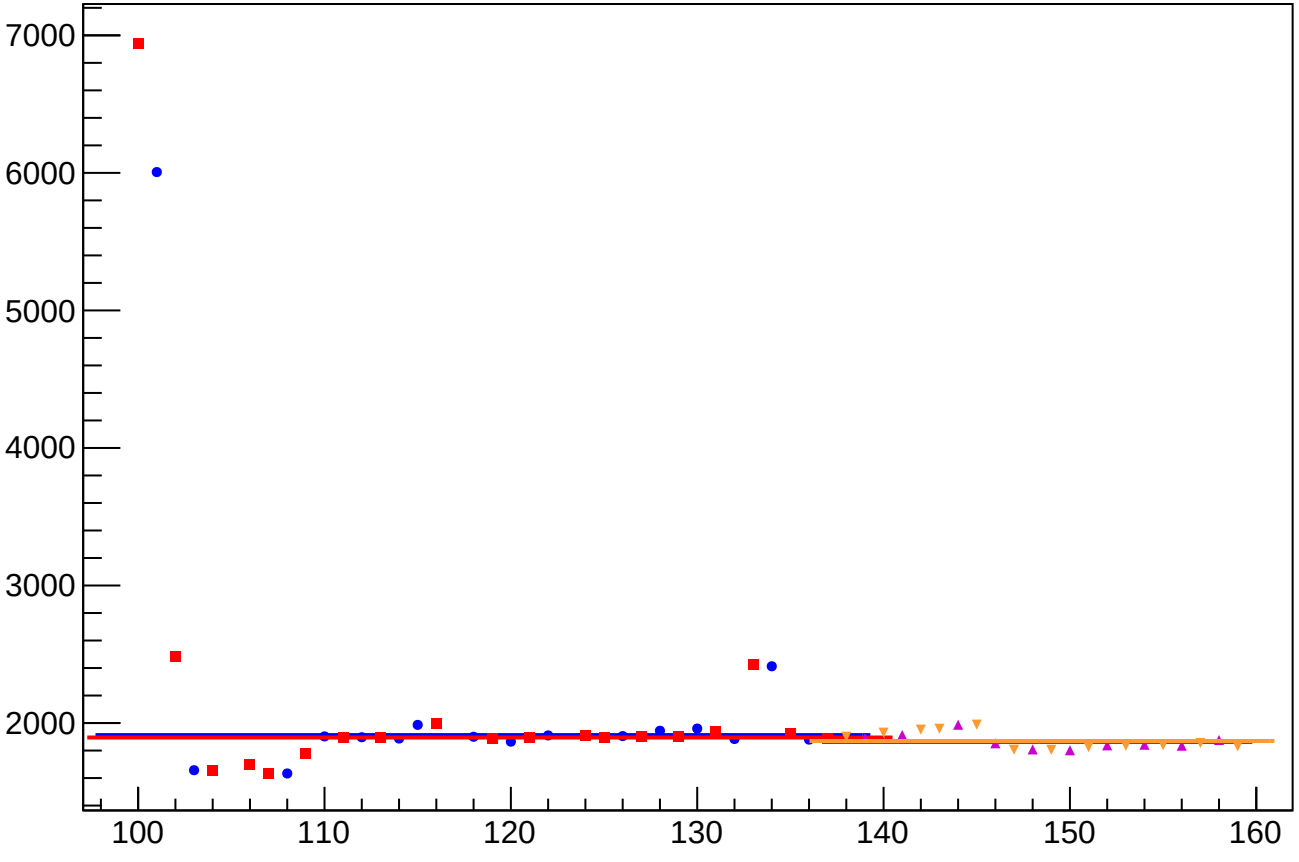
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -684.688+/-476.762 χ^2/NDF:22.3/25

Out: 983.583+/-460.294 χ^2/NDF:22.7/30

All: 178.757+/-331.146 χ^2/NDF: 51.3/56

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1869.371+/-0.428 χ^2/NDF:19986.7/11

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.227+/-0.446 χ^2/NDF:13255.3/9

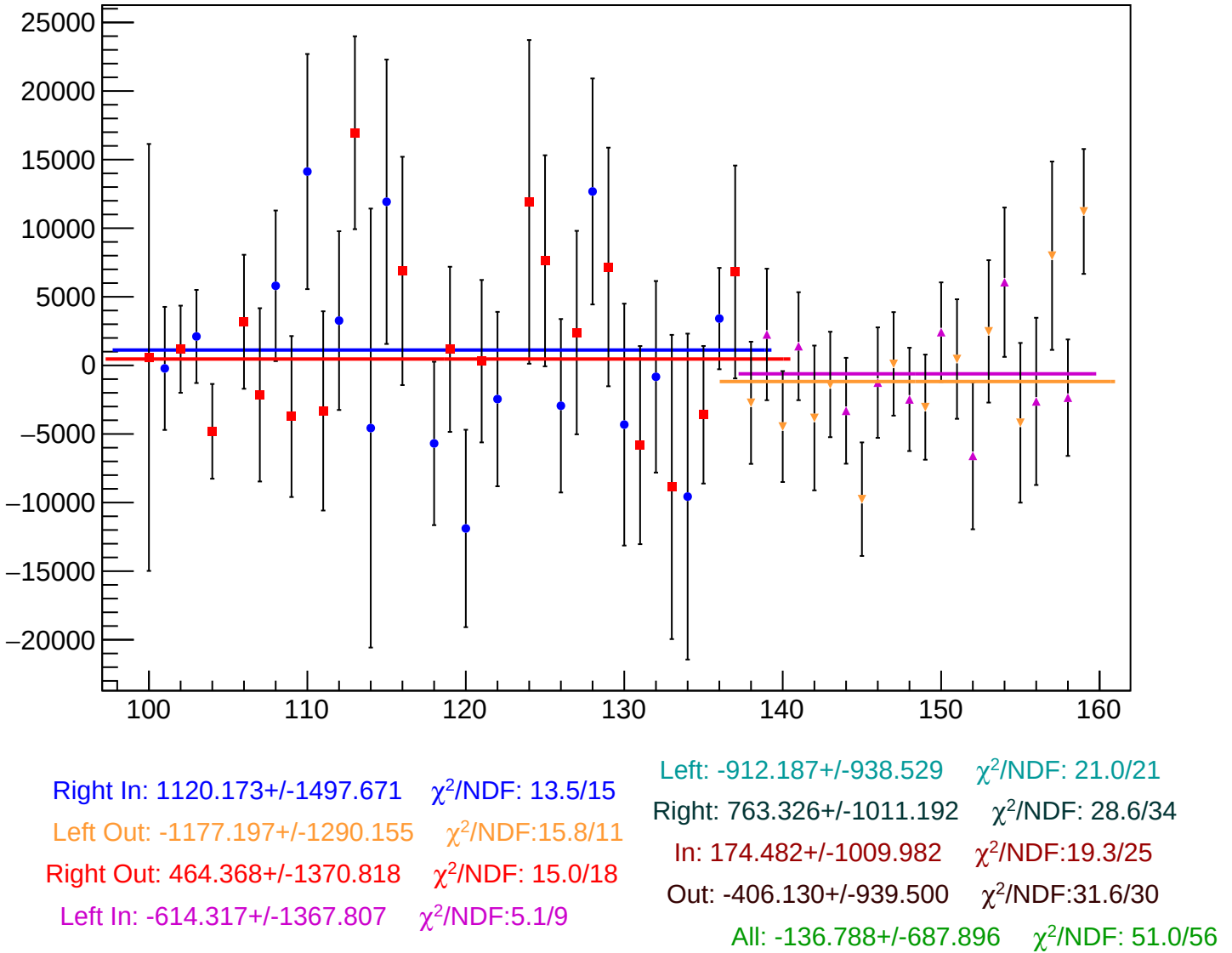
Left: 1865.946+/-0.309 χ^2/NDF: 33375.5/21

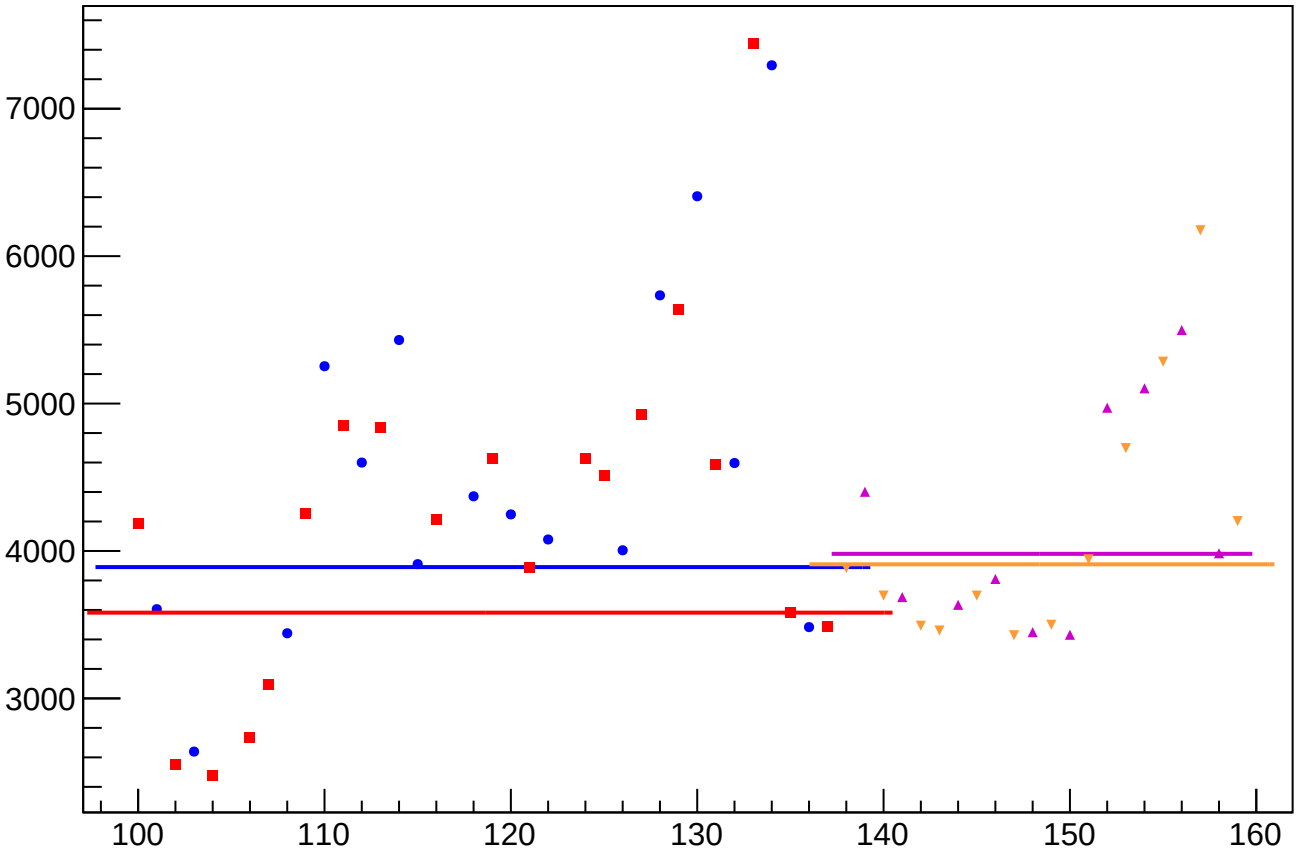
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1883.720+/-0.337 χ^2/NDF:714895.1/25

Out: 1880.092+/-0.325 χ^2/NDF:241254.4/30

All: 1881.841+/-0.234 χ^2/NDF: 956209.5/56


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -1177.197+/-1290.155 χ²/NDF:15.8/11
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -614.317+/-1367.807 χ²/NDF:5.1/9
Left: -912.187+/-938.529 χ²/NDF: 21.0/21
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 174.482+/-1009.982 χ²/NDF:19.3/25
Out: -406.130+/-939.500 χ²/NDF:31.6/30
All: -136.788+/-687.896 χ²/NDF: 51.0/56



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3909.610+/-0.912 χ^2/NDF:489837.5/11

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3980.607+/-0.967 χ^2/NDF:409405.7/9

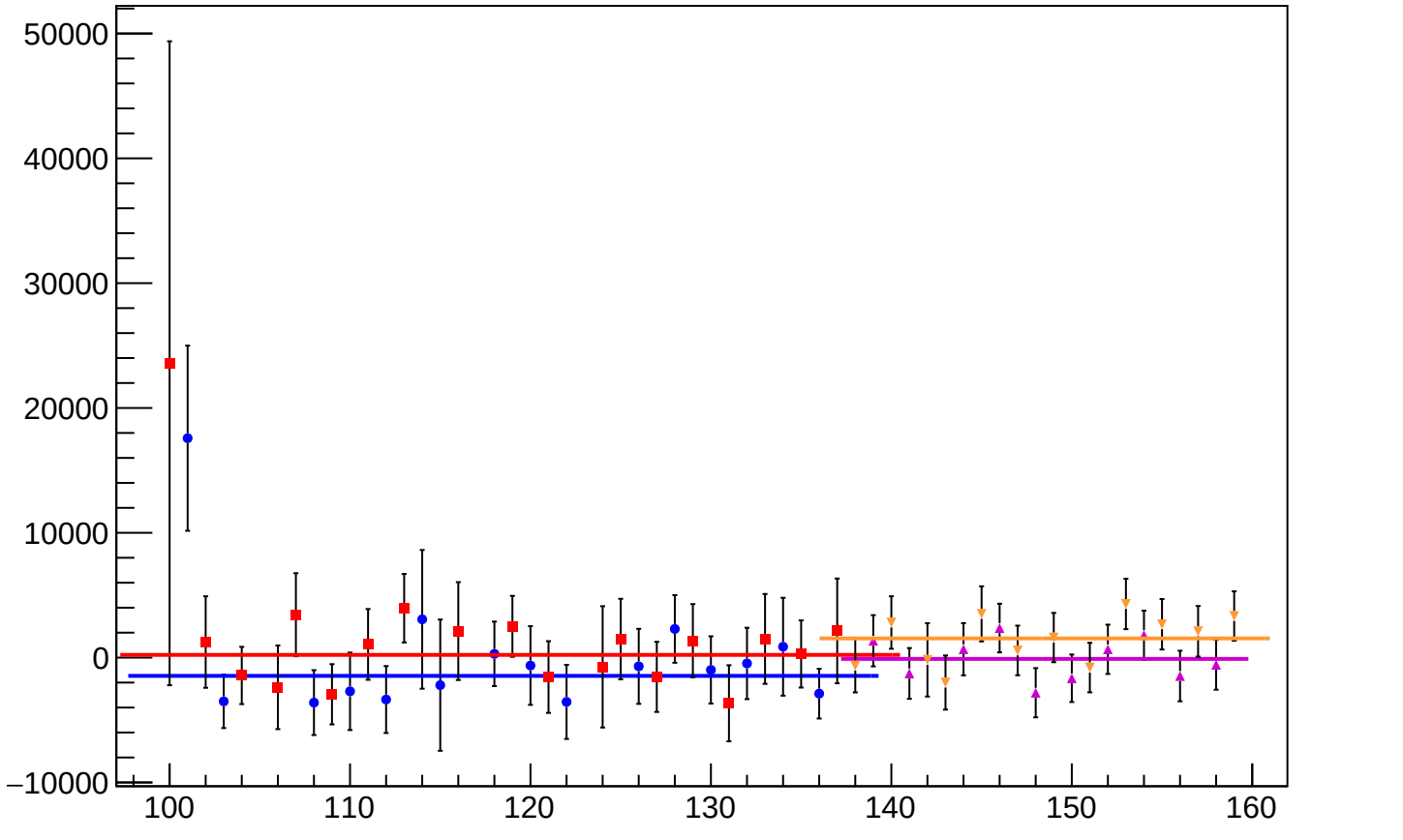
Left: 3943.036+/-0.664 χ^2/NDF: 902094.7/21

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3939.723+/-0.714 χ^2/NDF:1291752.9/25

Out: 3755.623+/-0.664 χ^2/NDF:1772349.0/30

All: 3841.026+/-0.486 χ^2/NDF: 3099727.5/56



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1540.502+/-605.261 χ^2/NDF:9.9/11

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -101.246+/-630.691 χ^2/NDF:6.7/9

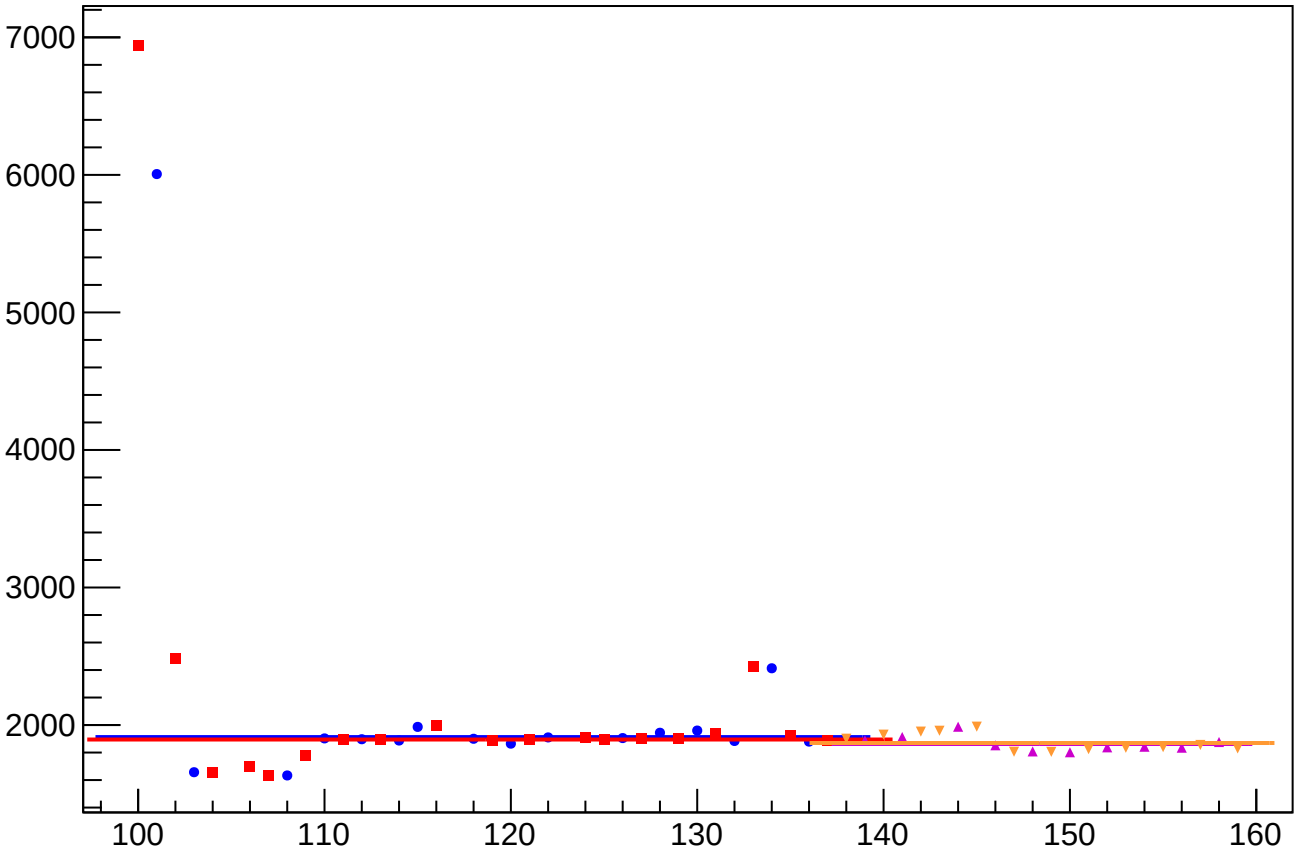
Left: 753.393+/-436.698 χ^2/NDF: 20.2/21

Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -684.690+/-476.762 χ^2/NDF:22.3/25

Out: 983.585+/-460.294 χ^2/NDF:22.7/30

All: 178.757+/-331.146 χ^2/NDF: 51.3/56



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1869.372+/-0.428 χ^2/NDF:19986.7/11

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.228+/-0.446 χ^2/NDF:13255.2/9

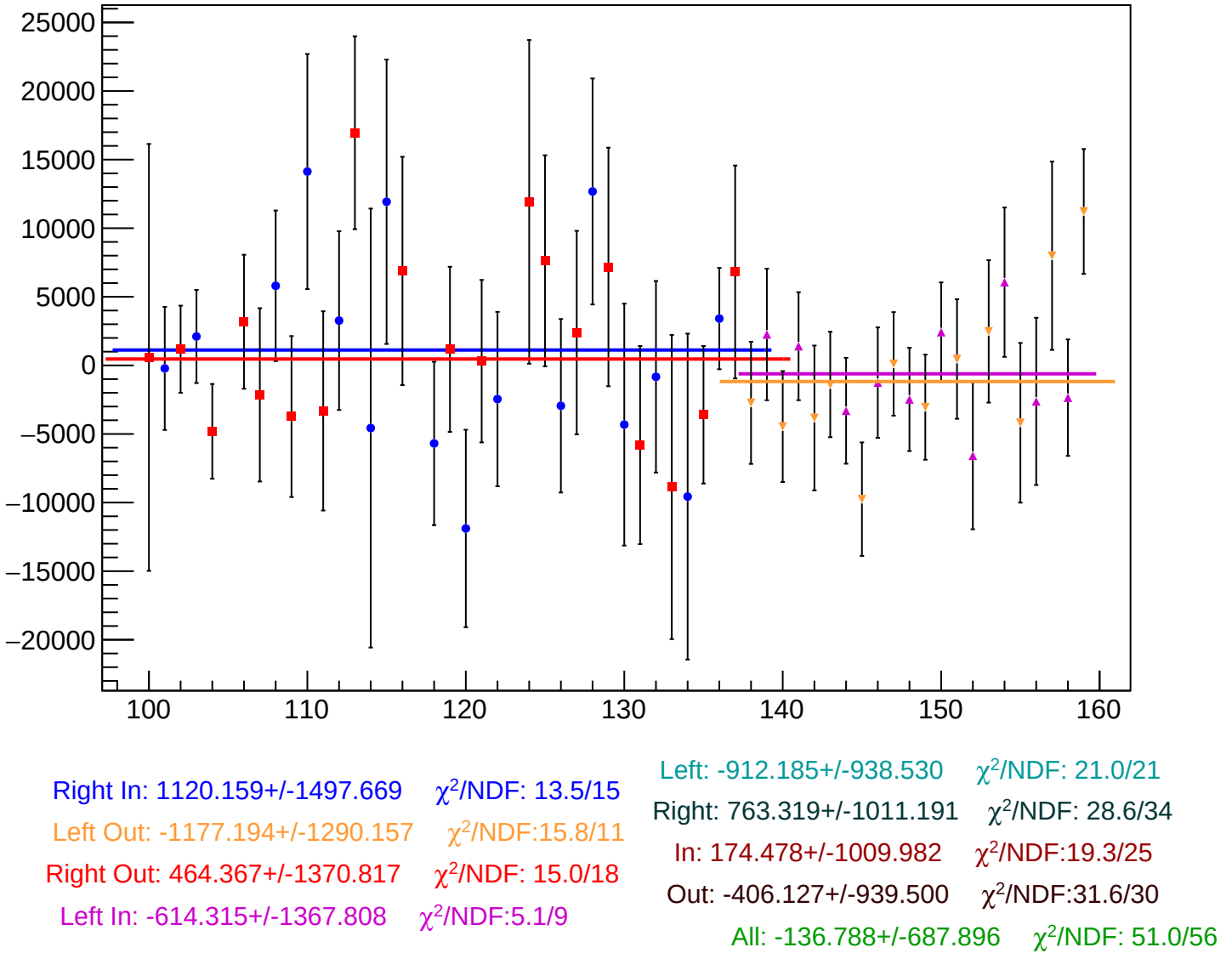
Left: 1865.947+/-0.309 χ^2/NDF: 33375.5/21

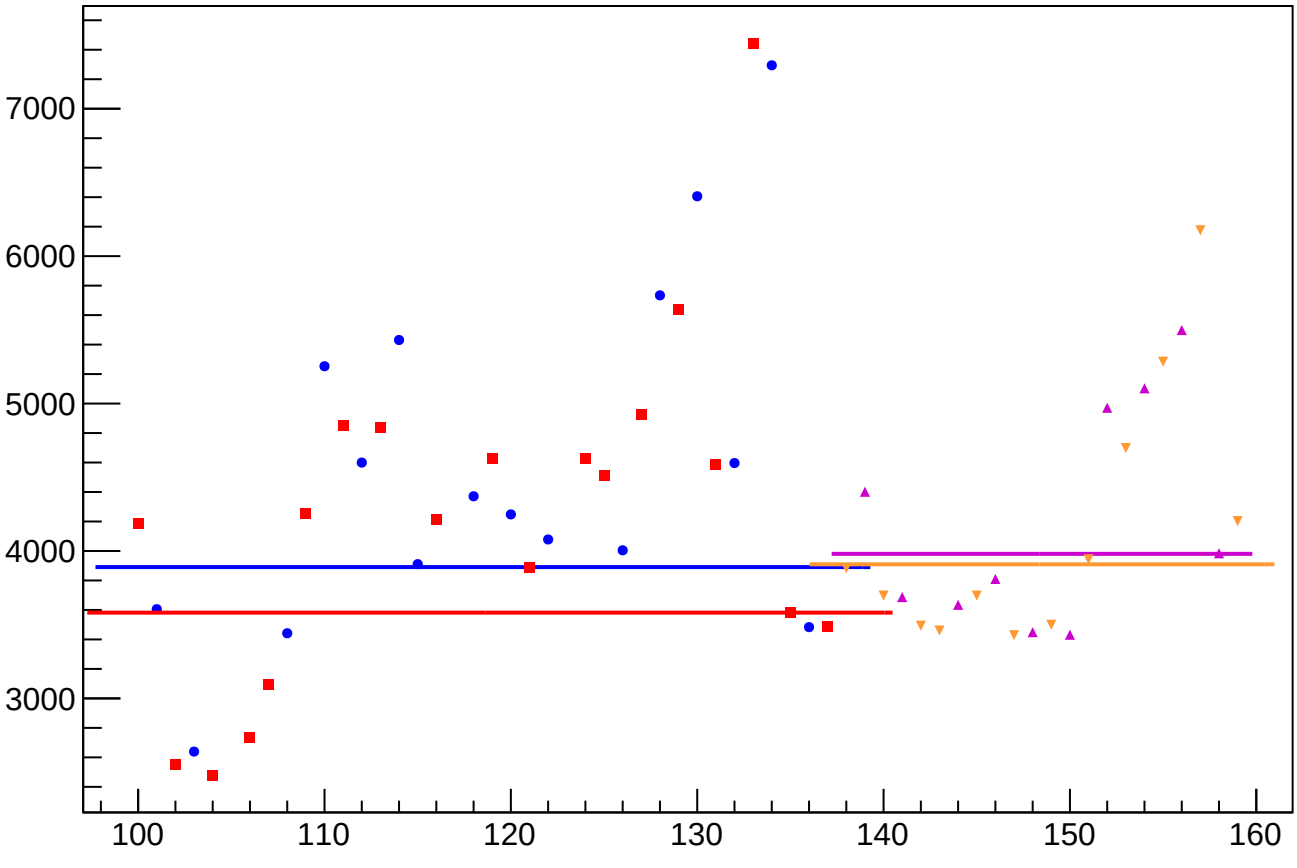
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1883.720+/-0.337 χ^2/NDF:714894.8/25

Out: 1880.092+/-0.325 χ^2/NDF:241254.3/30

All: 1881.842+/-0.234 χ^2/NDF: 956209.1/56


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -1177.194+/-1290.157 χ²/NDF:15.8/11
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: -614.315+/-1367.808 χ²/NDF:5.1/9
Left: -912.185+/-938.530 χ²/NDF: 21.0/21
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: 174.478+/-1009.982 χ²/NDF:19.3/25
Out: -406.127+/-939.500 χ²/NDF:31.6/30
All: -136.788+/-687.896 χ²/NDF: 51.0/56



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3909.615+/-0.912 χ^2/NDF:489836.2/11

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3980.612+/-0.967 χ^2/NDF:409404.4/9

Left: 3943.041+/-0.664 χ^2/NDF: 902092.1/21

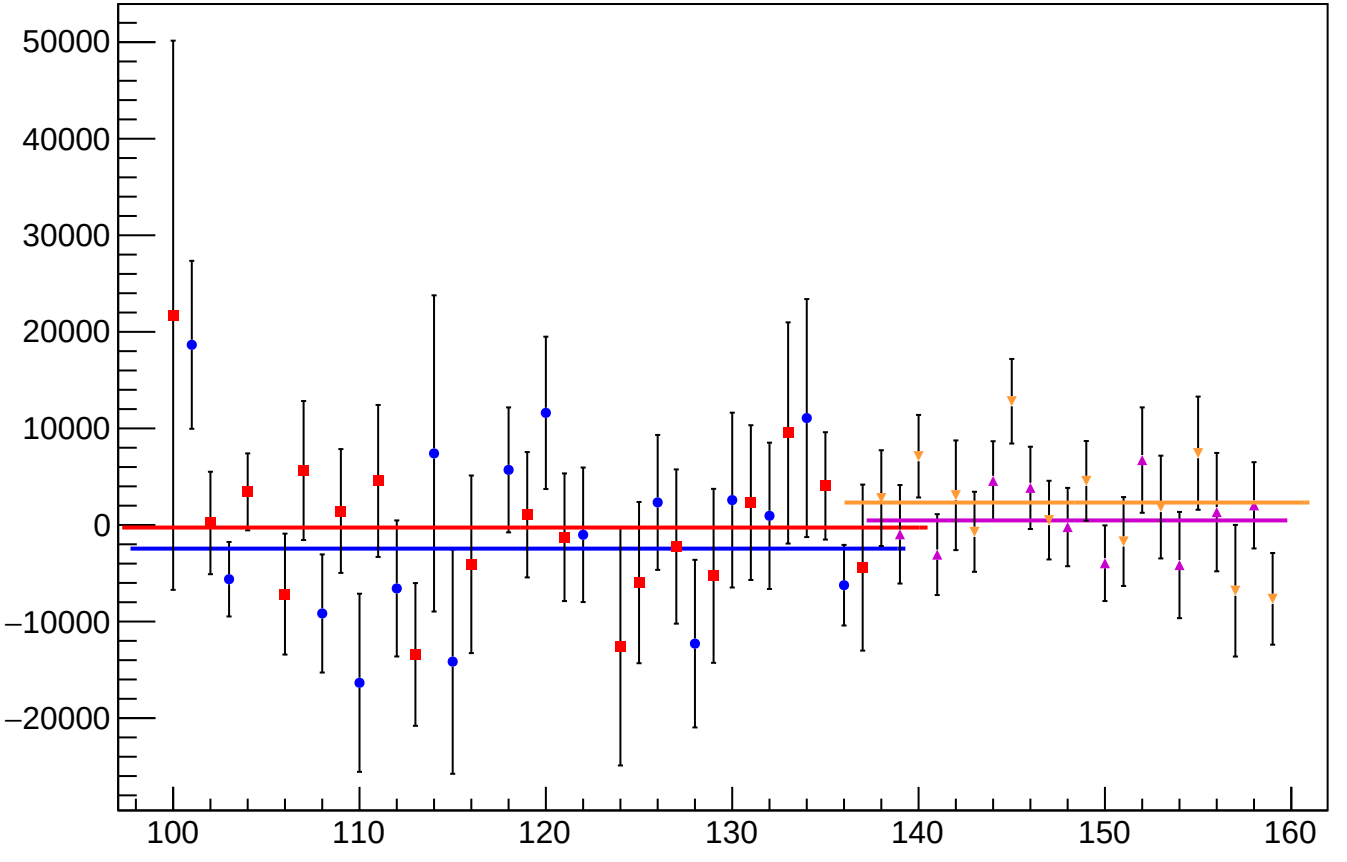
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3939.725+/-0.714 χ^2/NDF:1291743.4/25

Out: 3755.624+/-0.664 χ^2/NDF:1772342.2/30

All: 3841.027+/-0.486 χ^2/NDF: 3099711.3/56

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 2323.962+/-1369.509 χ^2/NDF:15.8/11

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 471.801+/-1444.612 χ^2/NDF:5.9/9

Left: 1447.277+/-993.880 χ^2/NDF: 22.5/21

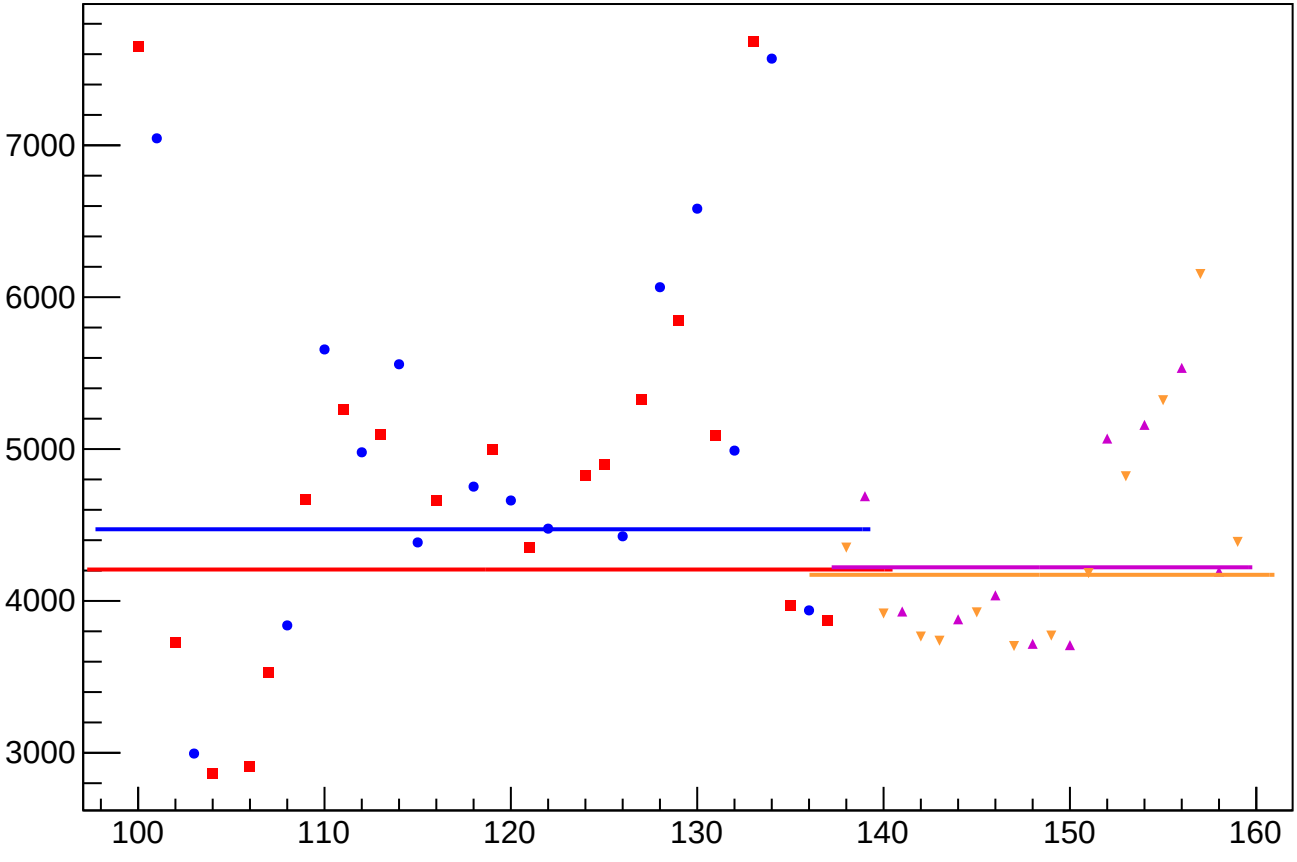
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -736.286+/-1106.125 χ^2/NDF:28.4/25

Out: 1246.527+/-1046.557 χ^2/NDF:28.0/30

All: 309.946+/-760.214 χ^2/NDF: 58.1/56

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4172.023+/-0.968 χ^2/NDF:373344.1/11

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4221.505+/-1.021 χ^2/NDF:307503.1/9

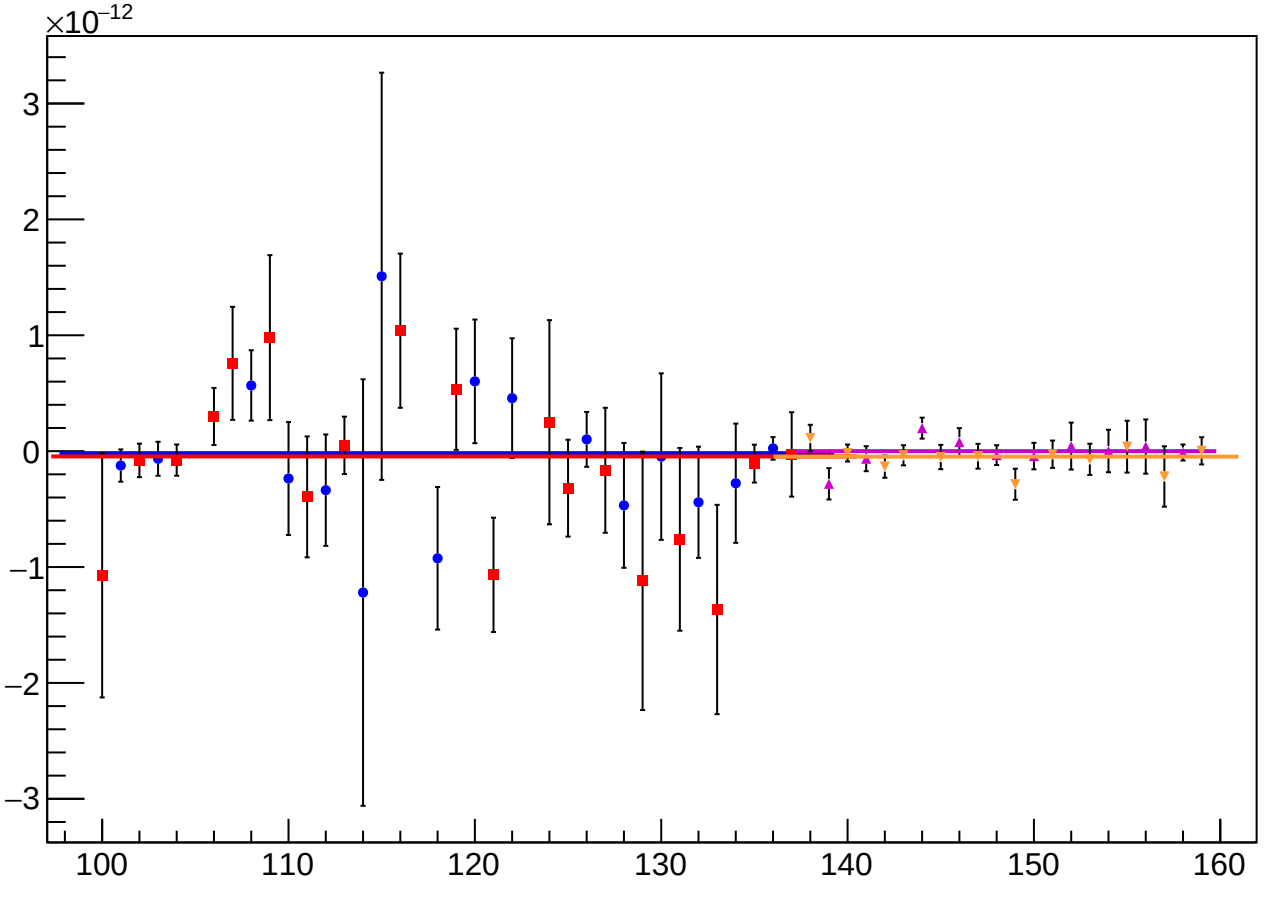
Left: 4195.444+/-0.703 χ^2/NDF: 682083.0/21

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4325.100+/-0.782 χ^2/NDF:1224041.3/25

Out: 4186.674+/-0.737 χ^2/NDF:1220414.3/30

All: 4251.824+/-0.537 χ^2/NDF: 2461036.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/9

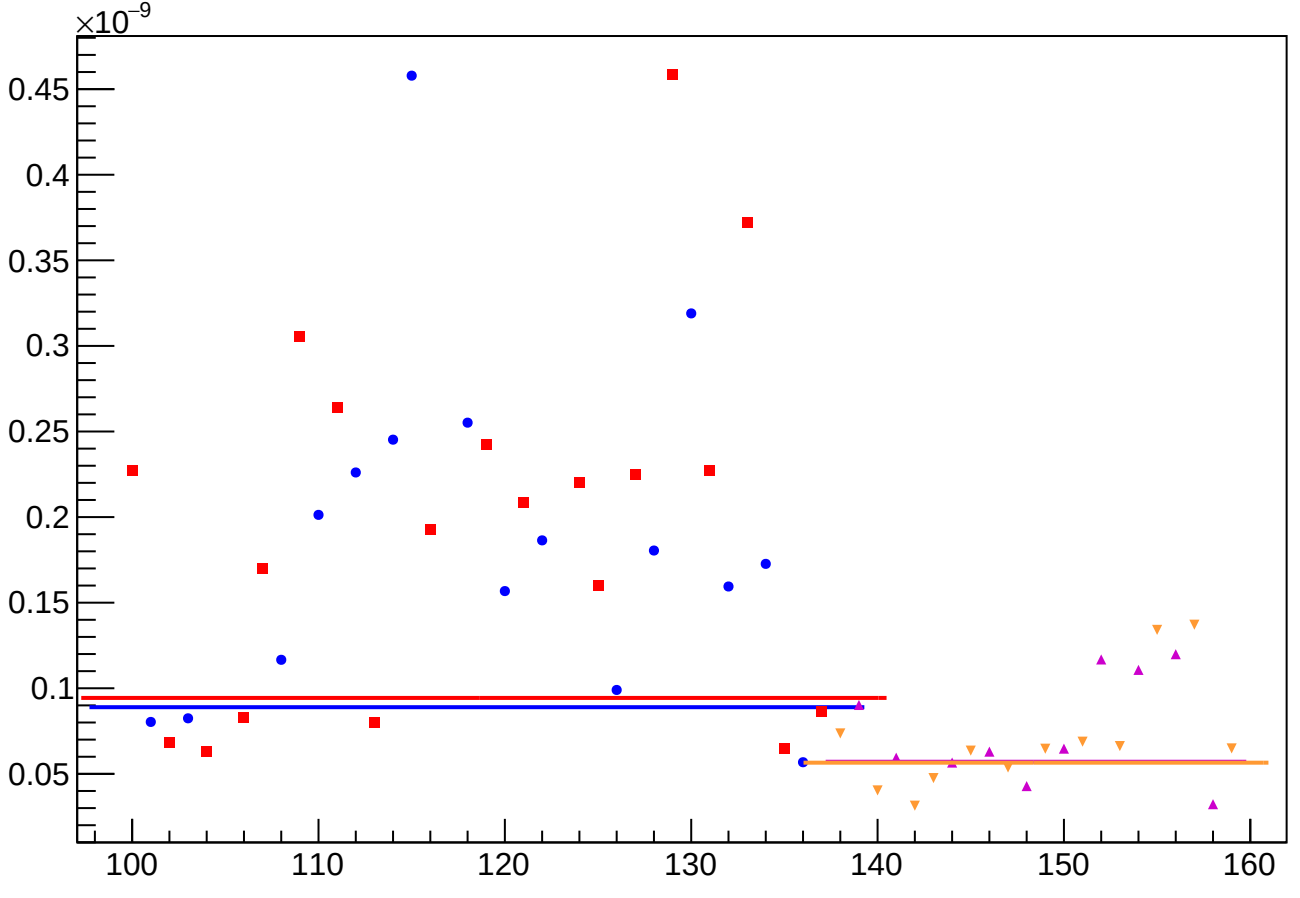
Left: -0.000+/-0.000 χ^2/NDF: 18.3/21

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.2/25

Out: -0.000+/-0.000 χ^2/NDF:28.2/30

All: -0.000+/-0.000 χ^2/NDF: 52.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:791914.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:937876.1/9

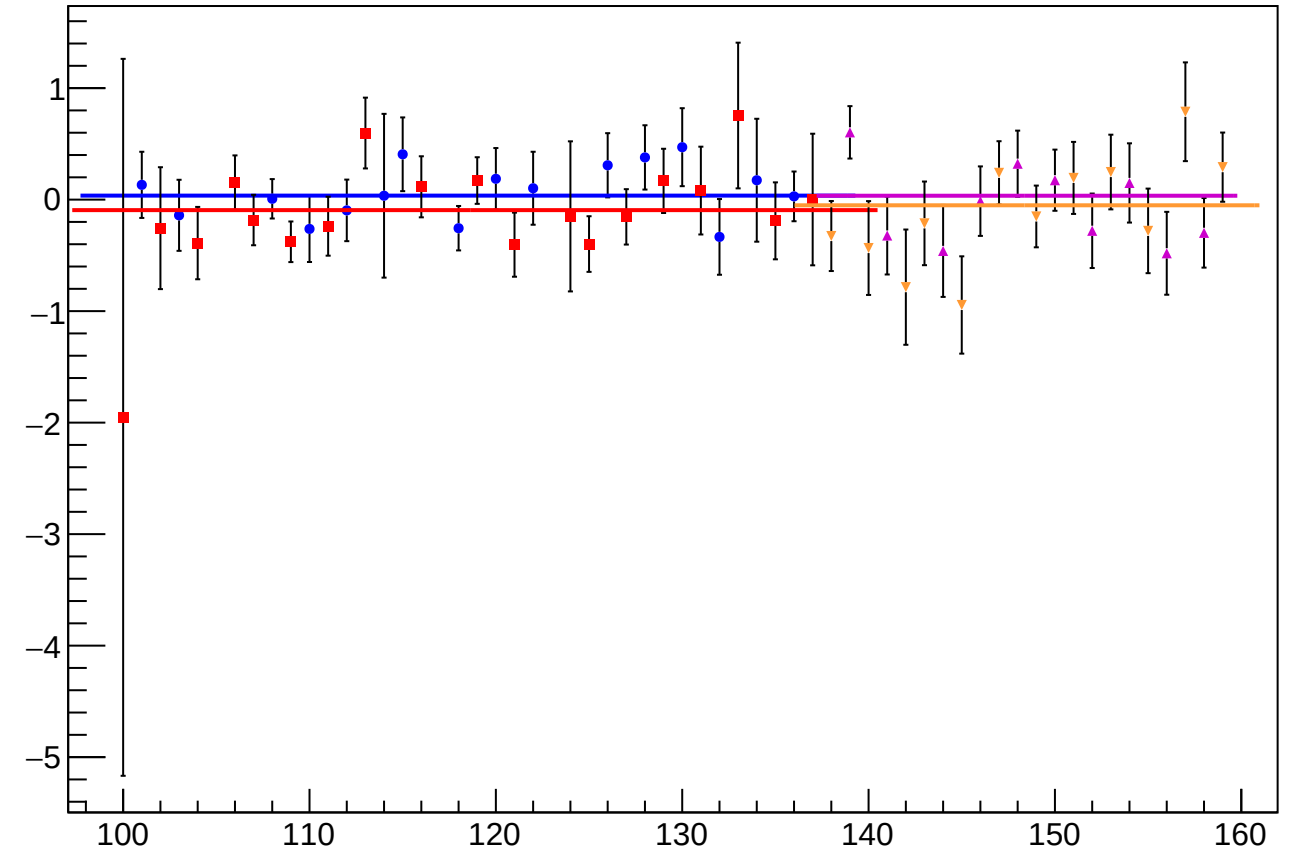
Left: 0.000+/-0.000 χ^2/NDF: 1730055.3/21

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2575545.1/25

Out: 0.000+/-0.000 χ^2/NDF:2991951.3/30

All: 0.000+/-0.000 χ^2/NDF: 5569719.3/56



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

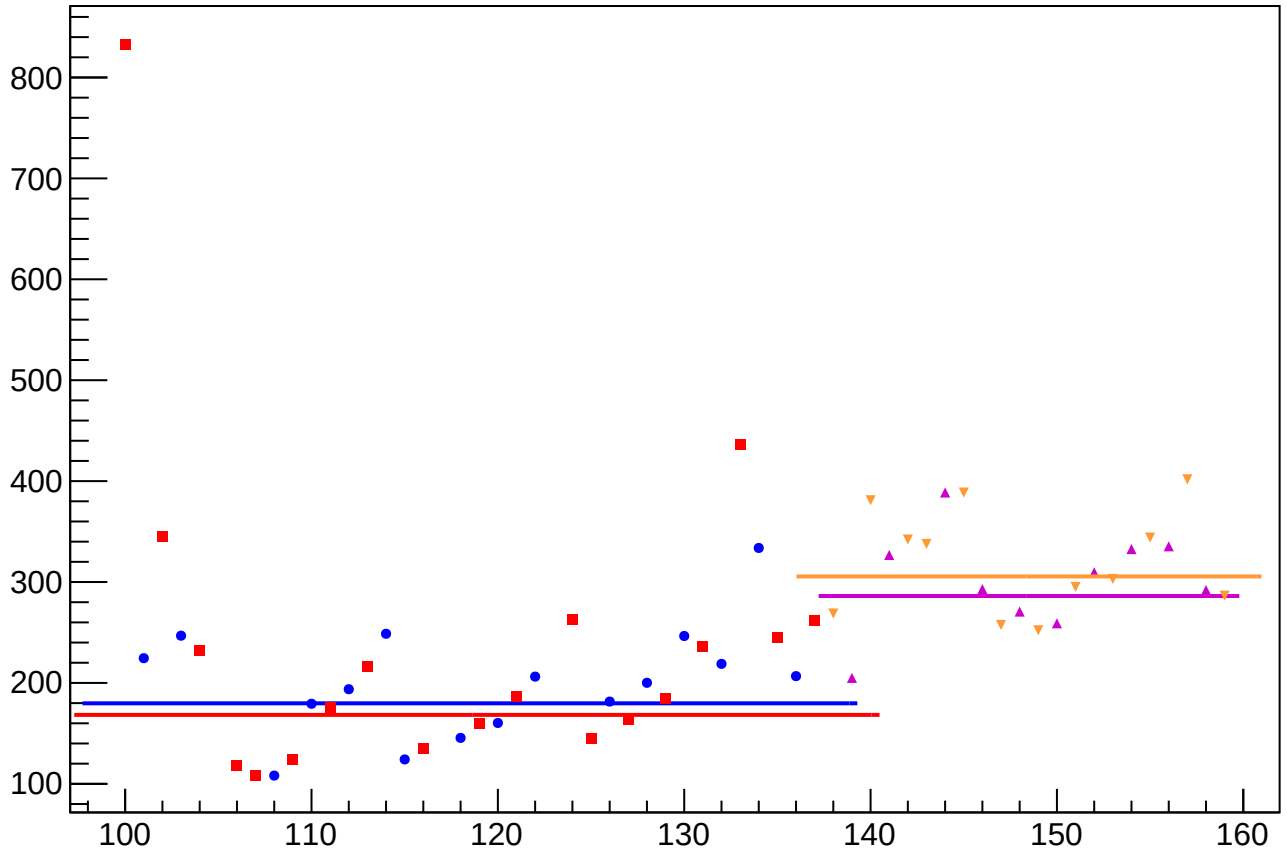
Left: -0.007+/-0.071 χ^2/NDF: 29.7/21

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.024+/-0.040 χ^2/NDF: 59.7/56



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 305.543+/-0.071 χ^2/NDF:445587.6/11

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

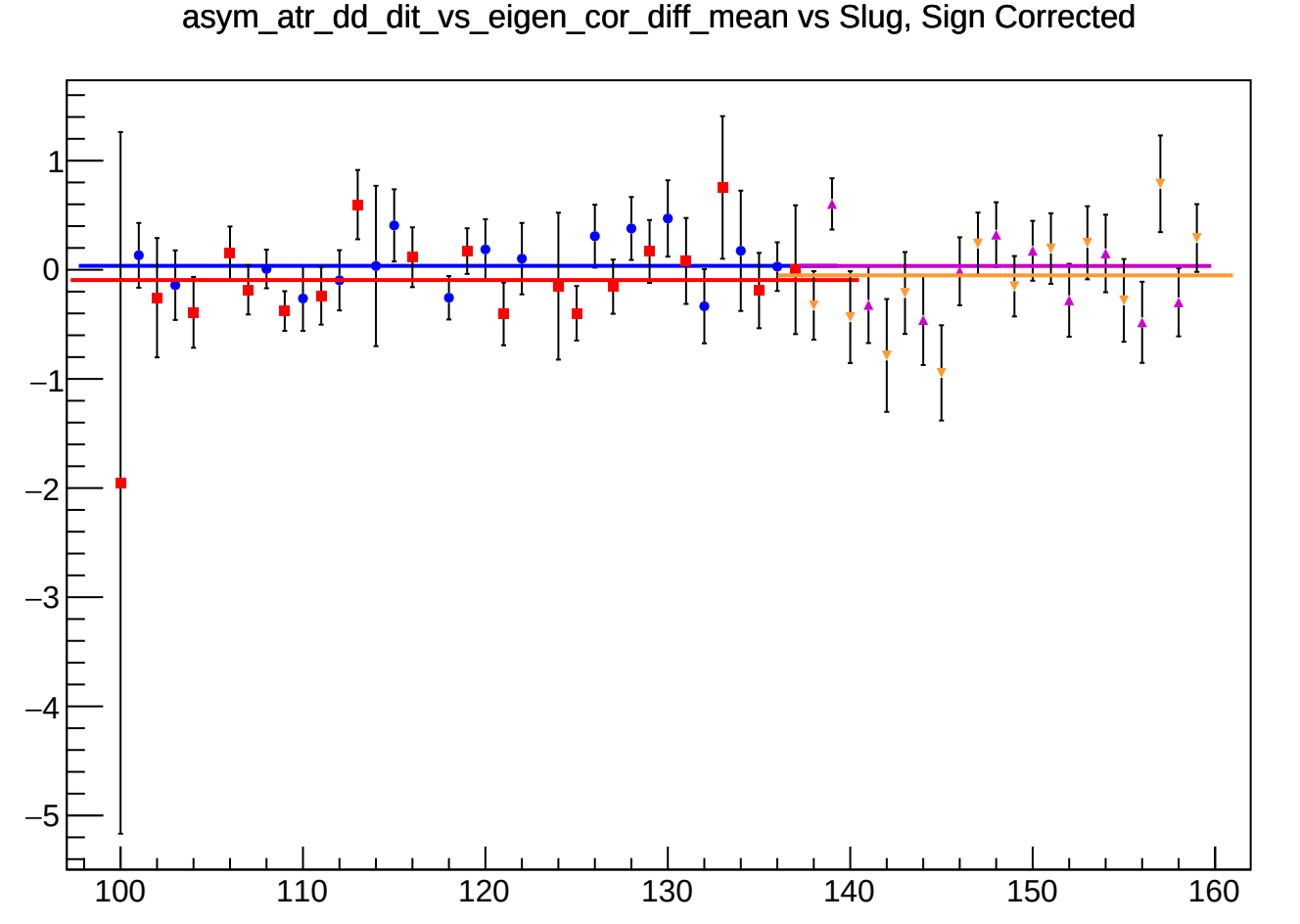
Left: 295.682+/-0.050 χ^2/NDF: 977995.0/21

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 215.509+/-0.041 χ^2/NDF:2938072.4/25

Out: 210.892+/-0.040 χ^2/NDF:4407929.7/30

All: 213.146+/-0.028 χ^2/NDF: 7352600.0/56



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

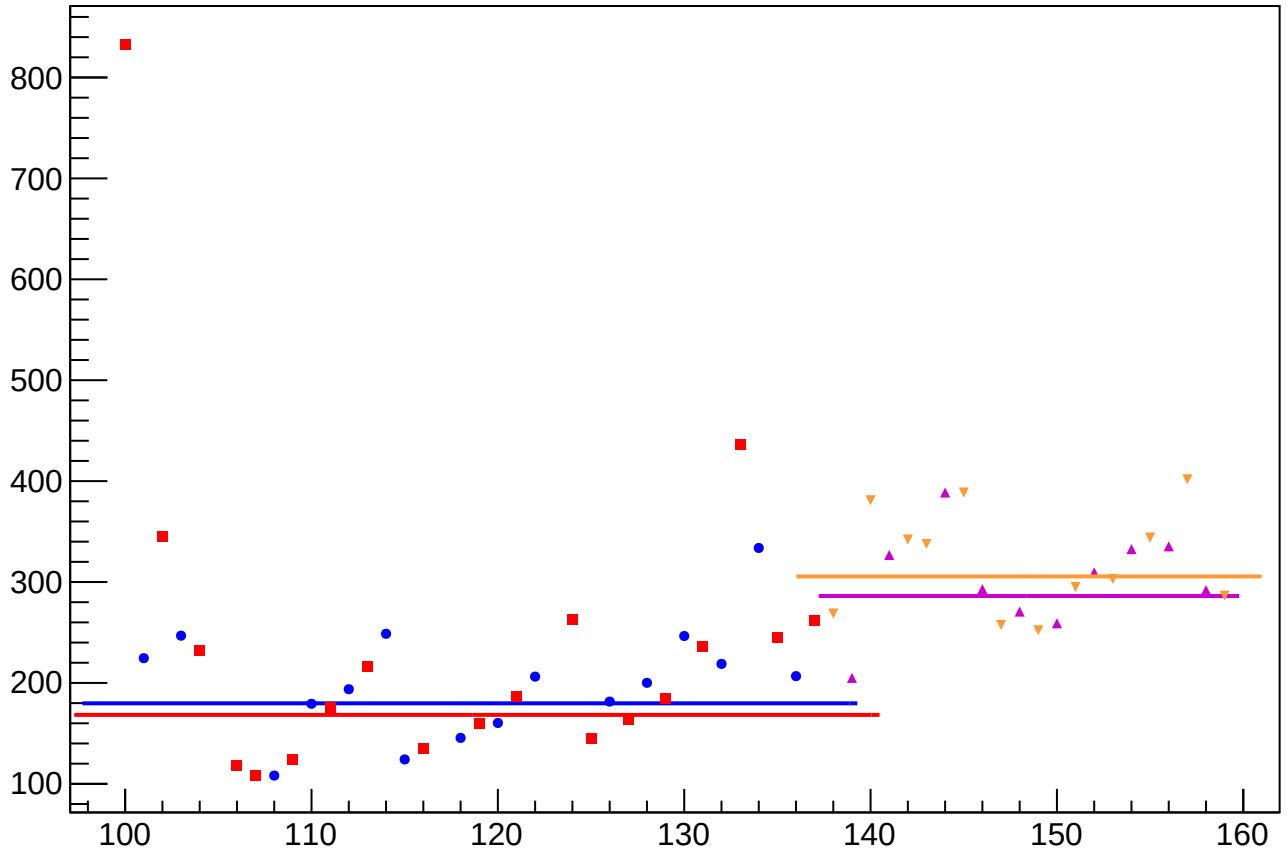
Left: -0.007+/-0.071 χ^2/NDF: 29.7/21

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.024+/-0.040 χ^2/NDF: 59.7/56



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 305.543+/-0.071 χ^2/NDF:445587.6/11

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

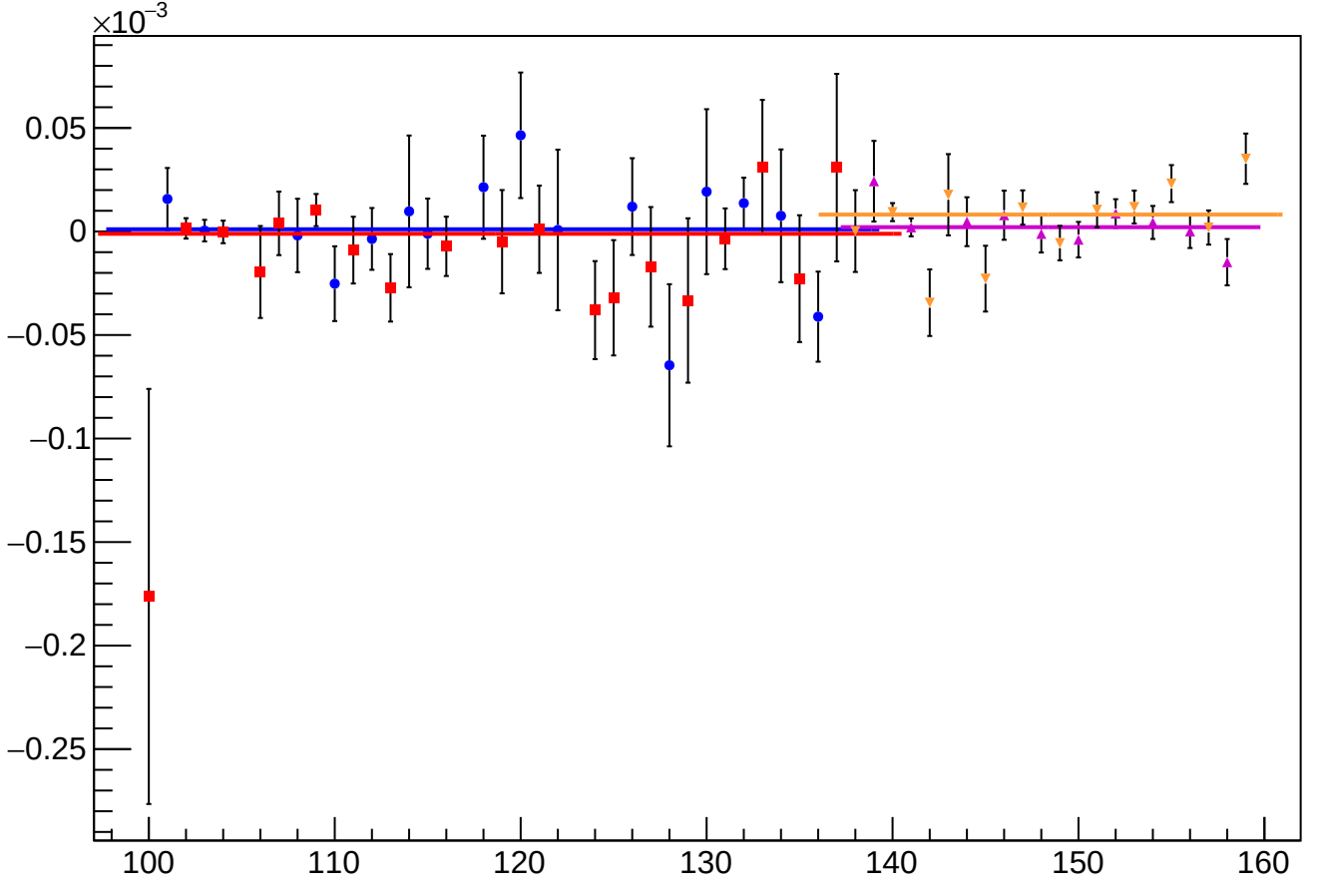
Left: 295.682+/-0.050 χ^2/NDF: 977995.0/21

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 215.509+/-0.041 χ^2/NDF:2938072.4/25

Out: 210.892+/-0.040 χ^2/NDF:4407929.7/30

All: 213.146+/-0.028 χ^2/NDF: 7352600.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/11

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

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

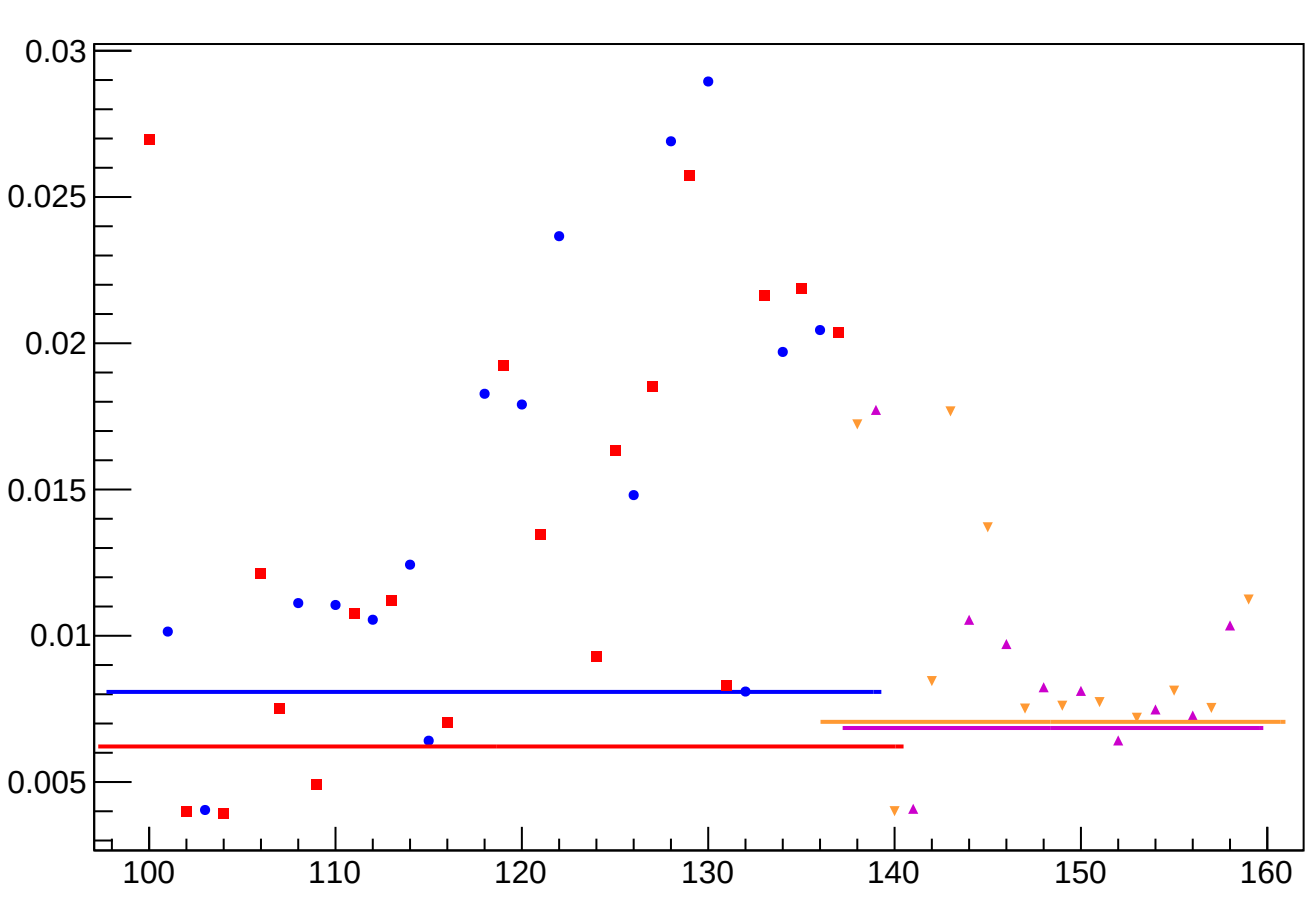
Left: 0.000+/-0.000 χ^2/NDF: 31.2/21

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:19.9/25

Out: 0.000+/-0.000 χ^2/NDF:44.8/30

All: 0.000+/-0.000 χ^2/NDF: 65.3/56



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2758725.2/11

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:2057374.1/9

Left: 0.007+/-0.000 χ^2/NDF: 4823094.2/21

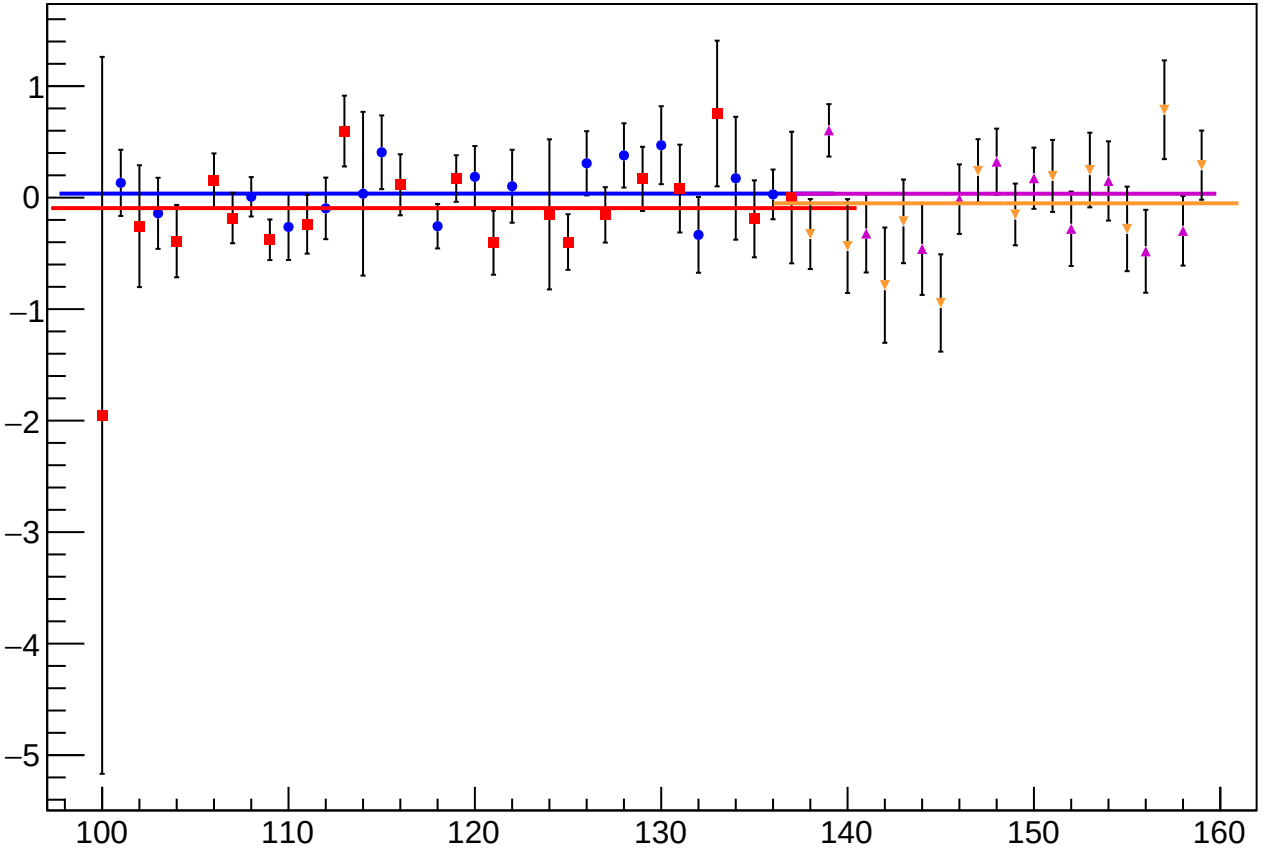
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6621714.1/25

Out: 0.007+/-0.000 χ^2/NDF:7419275.8/30

All: 0.007+/-0.000 χ^2/NDF: 14118920.9/56

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

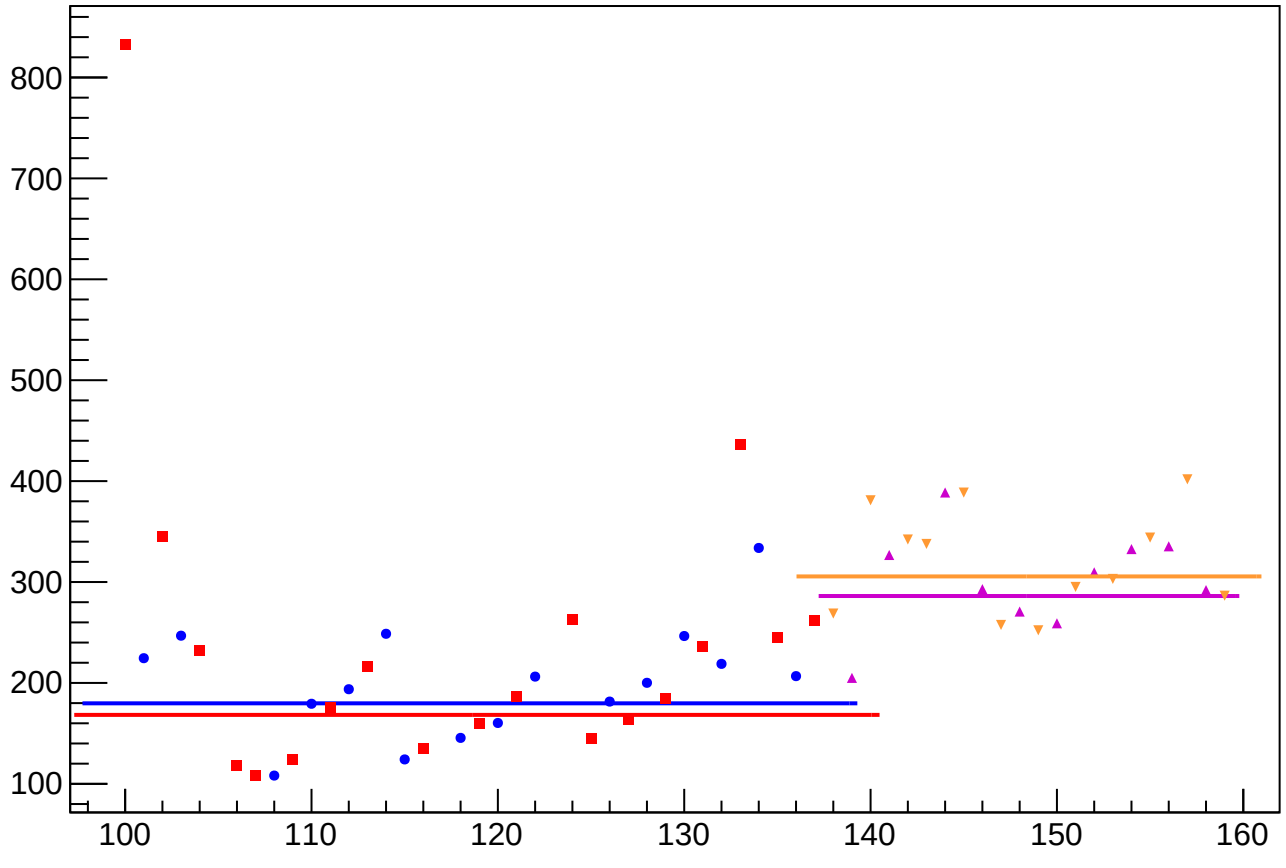
Left: -0.007+/-0.071 χ^2/NDF: 29.7/21

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.024+/-0.040 χ^2/NDF: 59.7/56



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 305.547+/-0.071 χ^2/NDF:445562.3/11

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

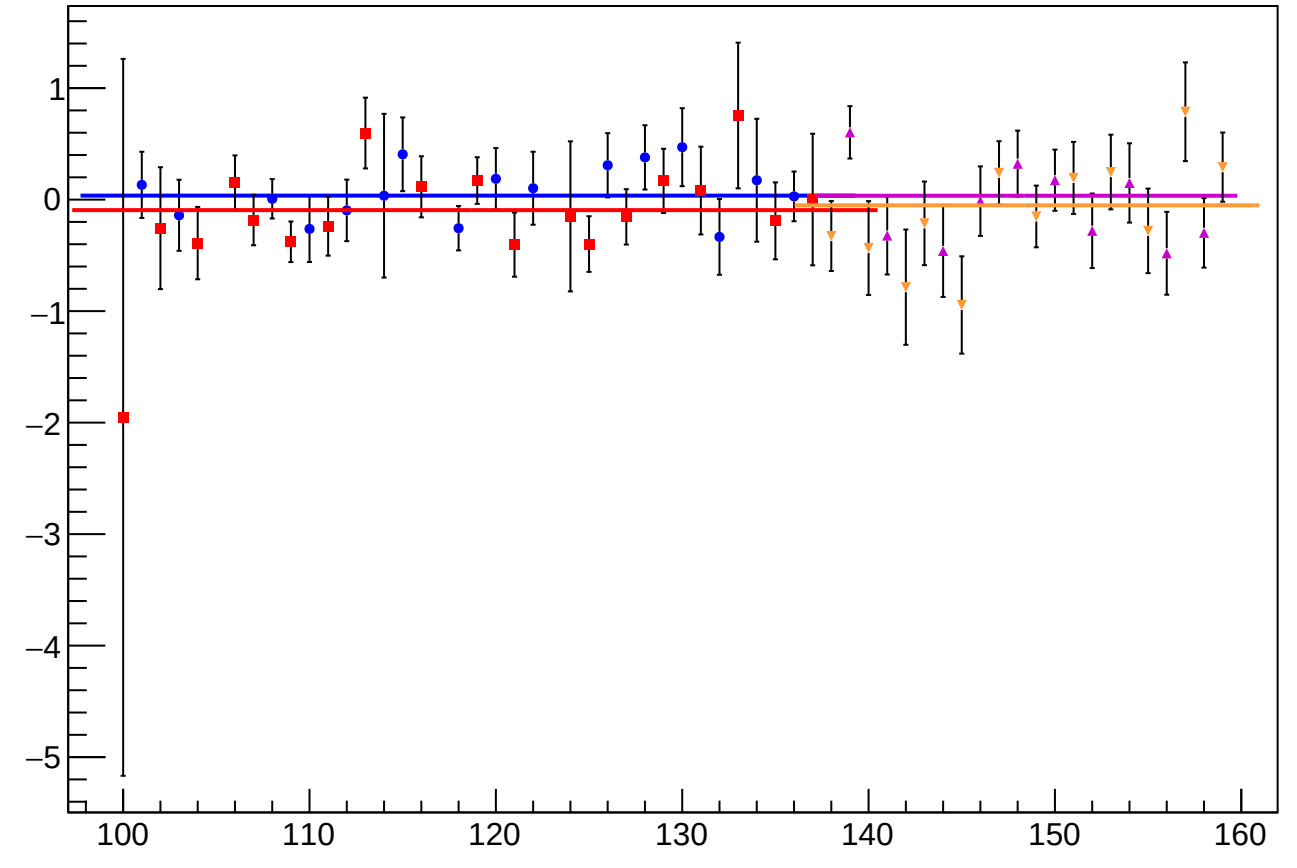
Left: 295.686+/-0.050 χ^2/NDF: 977938.3/21

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 215.508+/-0.041 χ^2/NDF:2938261.3/25

Out: 210.892+/-0.040 χ^2/NDF:4408022.8/30

All: 213.145+/-0.028 χ^2/NDF: 7352876.4/56



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

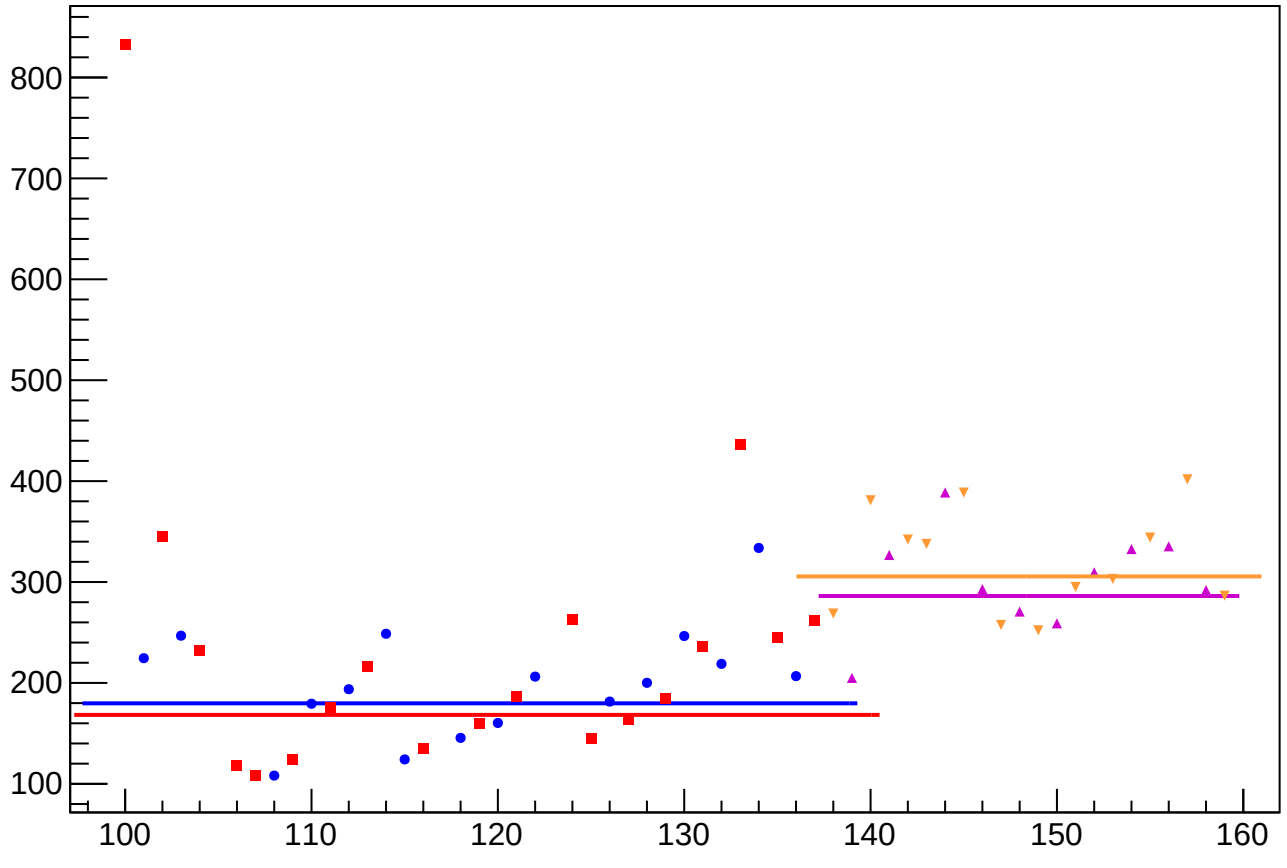
Left: -0.007+/-0.071 χ^2/NDF: 29.7/21

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.024+/-0.040 χ^2/NDF: 59.7/56



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 305.547+/-0.071 χ^2/NDF:445562.3/11

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

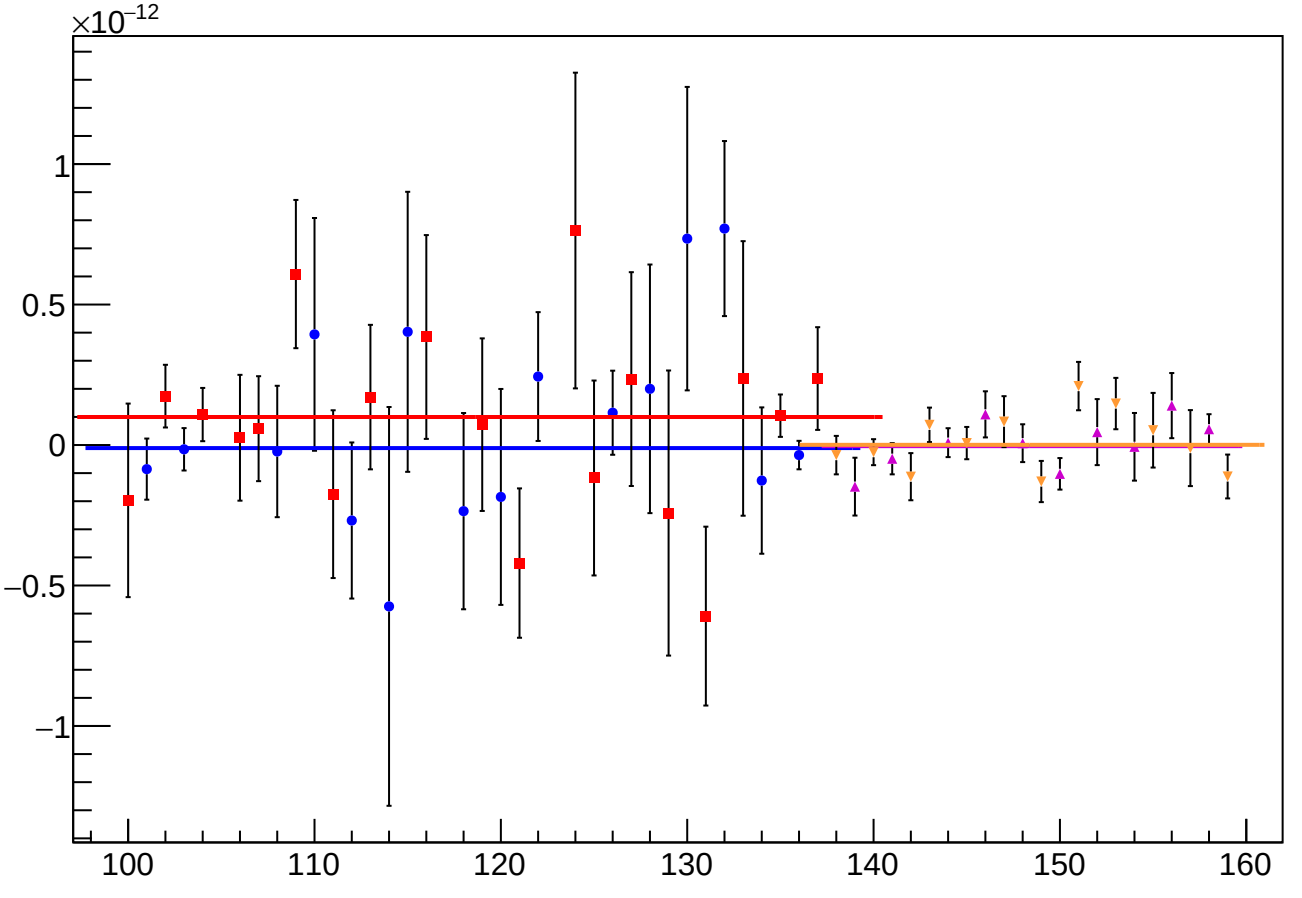
Left: 295.686+/-0.050 χ^2/NDF: 977938.3/21

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 215.508+/-0.041 χ^2/NDF:2938261.3/25

Out: 210.892+/-0.040 χ^2/NDF:4408022.8/30

All: 213.145+/-0.028 χ^2/NDF: 7352876.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/9

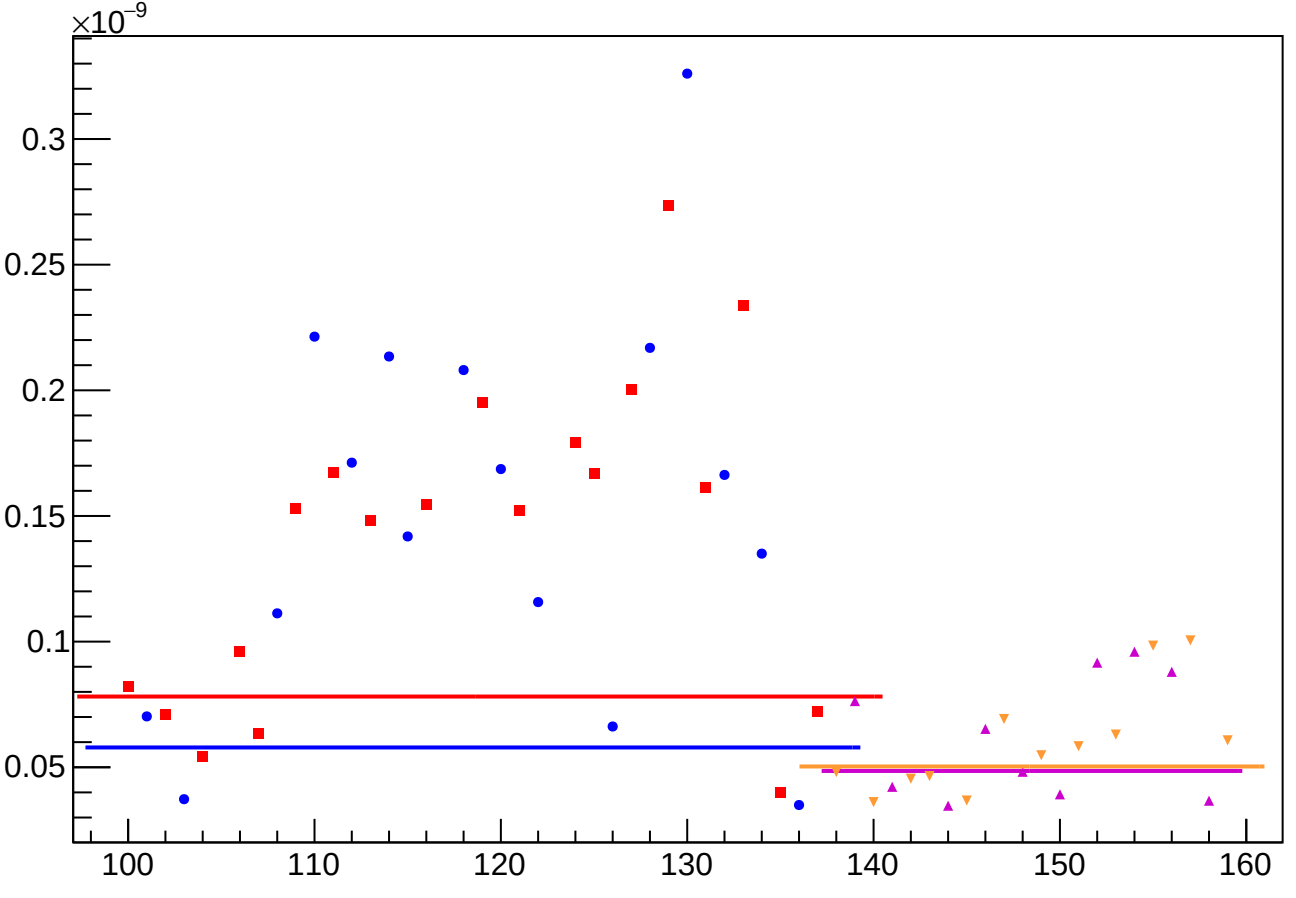
Left: -0.000+/-0.000 χ^2/NDF: 29.2/21

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:25.7/25

Out: 0.000+/-0.000 χ^2/NDF:41.3/30

All: 0.000+/-0.000 χ^2/NDF: 68.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1038983.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364084.7/9

Left: 0.000+/-0.000 χ^2/NDF: 2409852.3/21

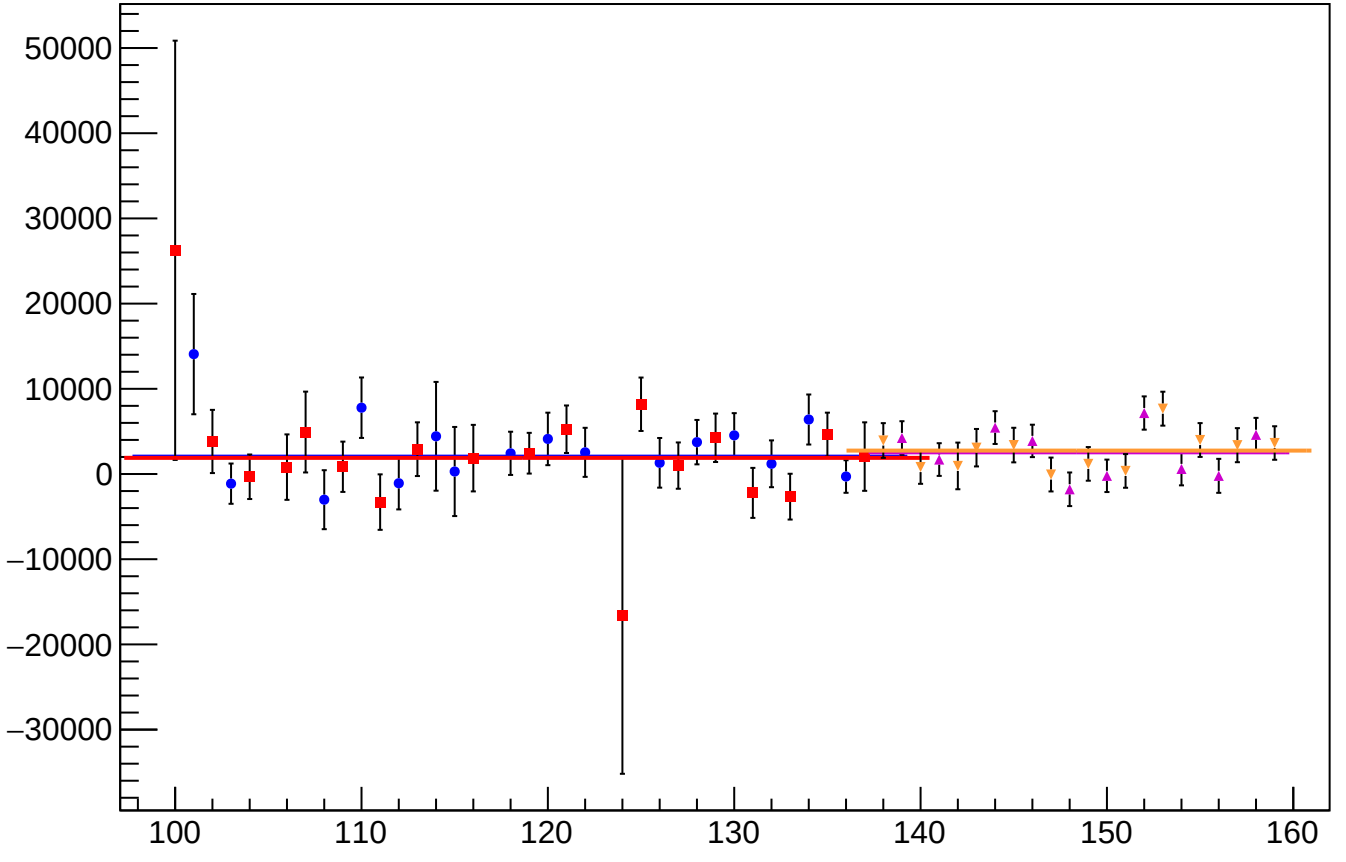
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4788159.2/25

Out: 0.000+/-0.000 χ^2/NDF:4468108.9/30

All: 0.000+/-0.000 χ^2/NDF: 9320312.6/56

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2748.370+/-591.205 χ^2/NDF:12.7/11

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2544.848+/-614.775 χ^2/NDF:20.2/9

Left: 2650.585+/-426.134 χ^2/NDF: 33.0/21

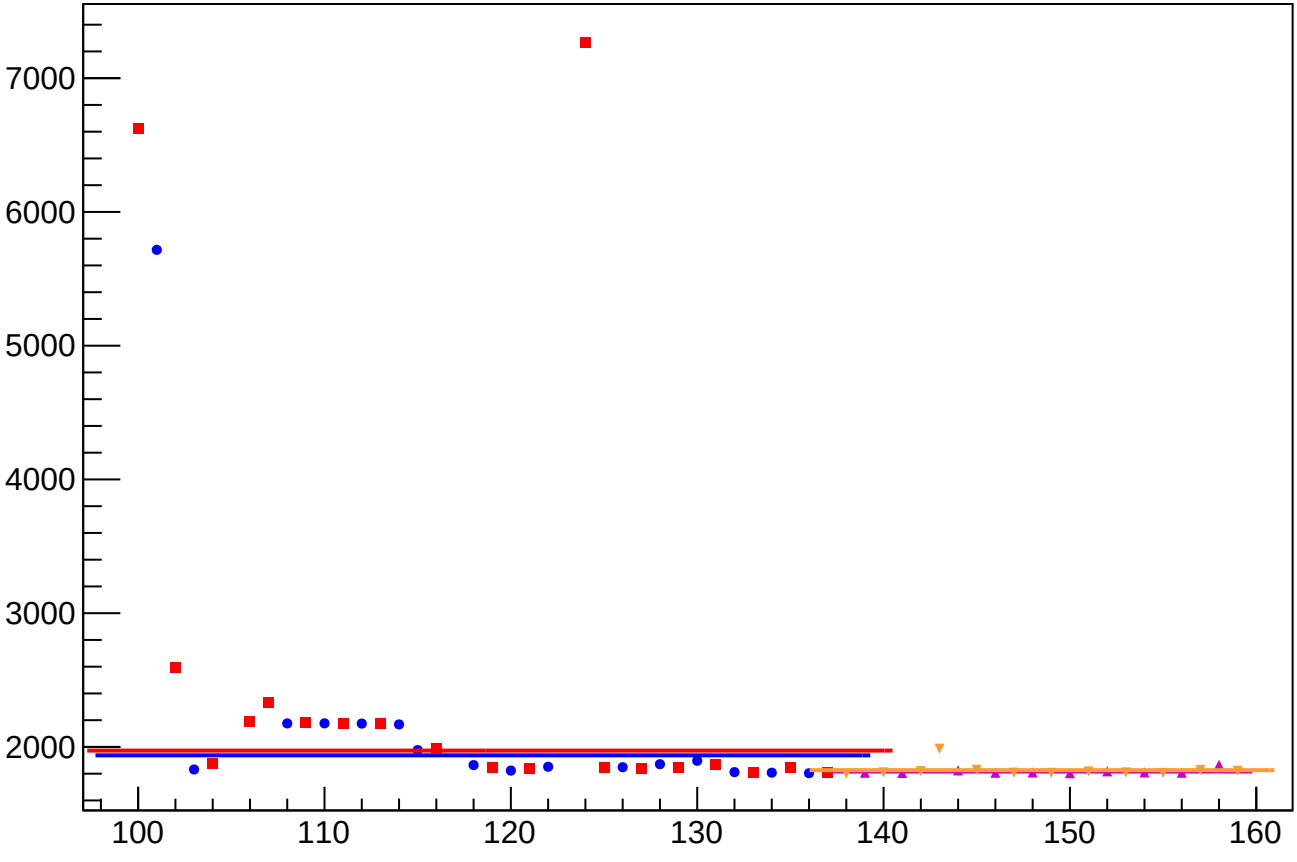
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2337.115+/-471.884 χ^2/NDF:37.0/25

Out: 2414.206+/-461.105 χ^2/NDF:32.1/30

All: 2376.551+/-329.795 χ^2/NDF: 69.0/56

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.370+/-0.418 χ^2/NDF:11928.5/11

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

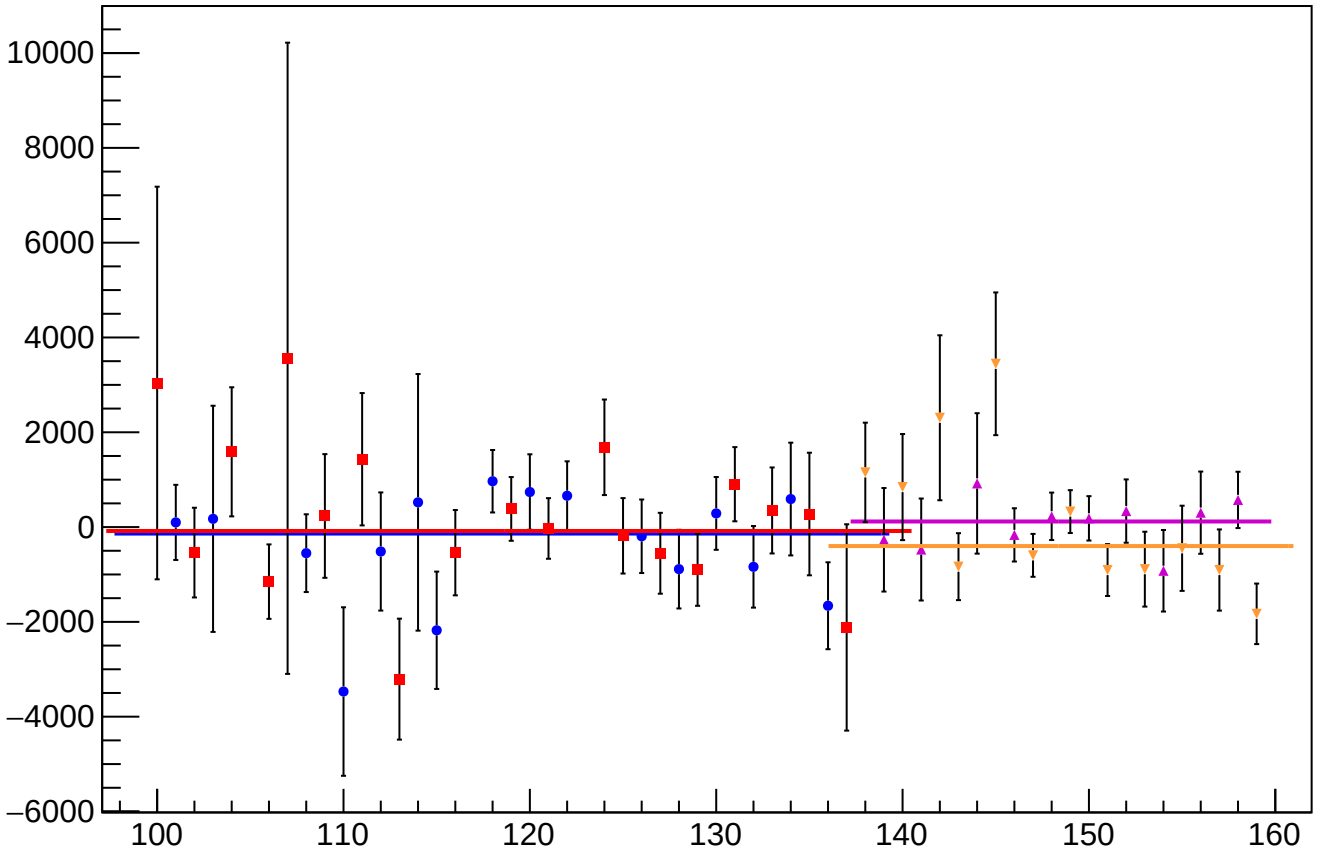
Left: 1821.311+/-0.301 χ^2/NDF: 13914.4/21

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1865.720+/-0.334 χ^2/NDF:671819.8/25

Out: 1883.710+/-0.326 χ^2/NDF:437496.5/30

All: 1874.923+/-0.233 χ^2/NDF: 1110803.3/56



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -400.725+/-203.074 χ^2/NDF:22.1/11

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 117.895+/-214.974 χ^2/NDF:3.2/9

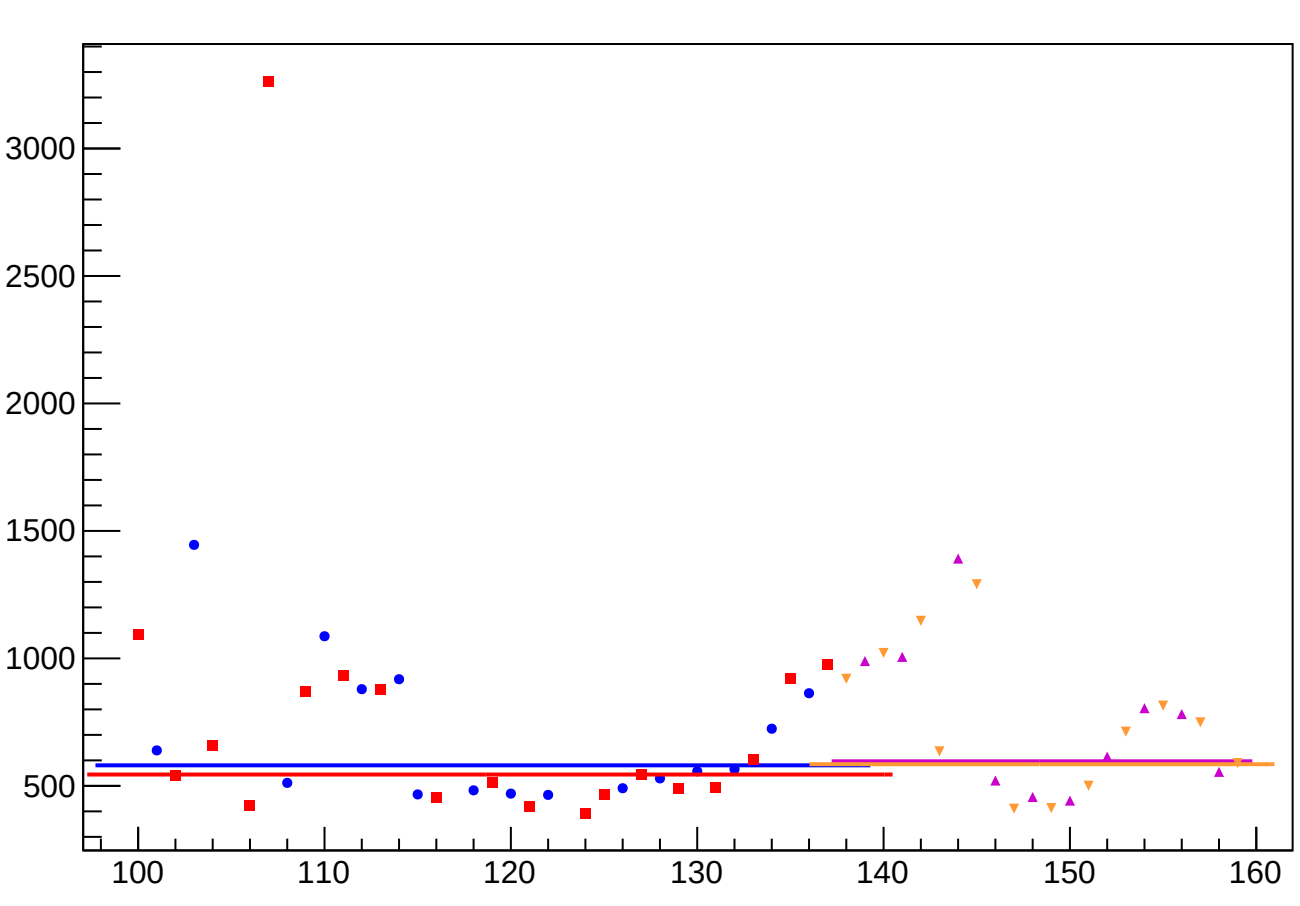
Left: -156.166+/-147.623 χ^2/NDF: 28.4/21

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -0.552+/-157.190 χ^2/NDF:20.8/25

Out: -255.674+/-149.846 χ^2/NDF:43.0/30

All: -134.212+/-108.460 χ^2/NDF: 65.2/56



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 584.980+/-0.144 χ^2/NDF:2057892.5/11

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 596.283+/-0.152 χ^2/NDF:1755050.9/9

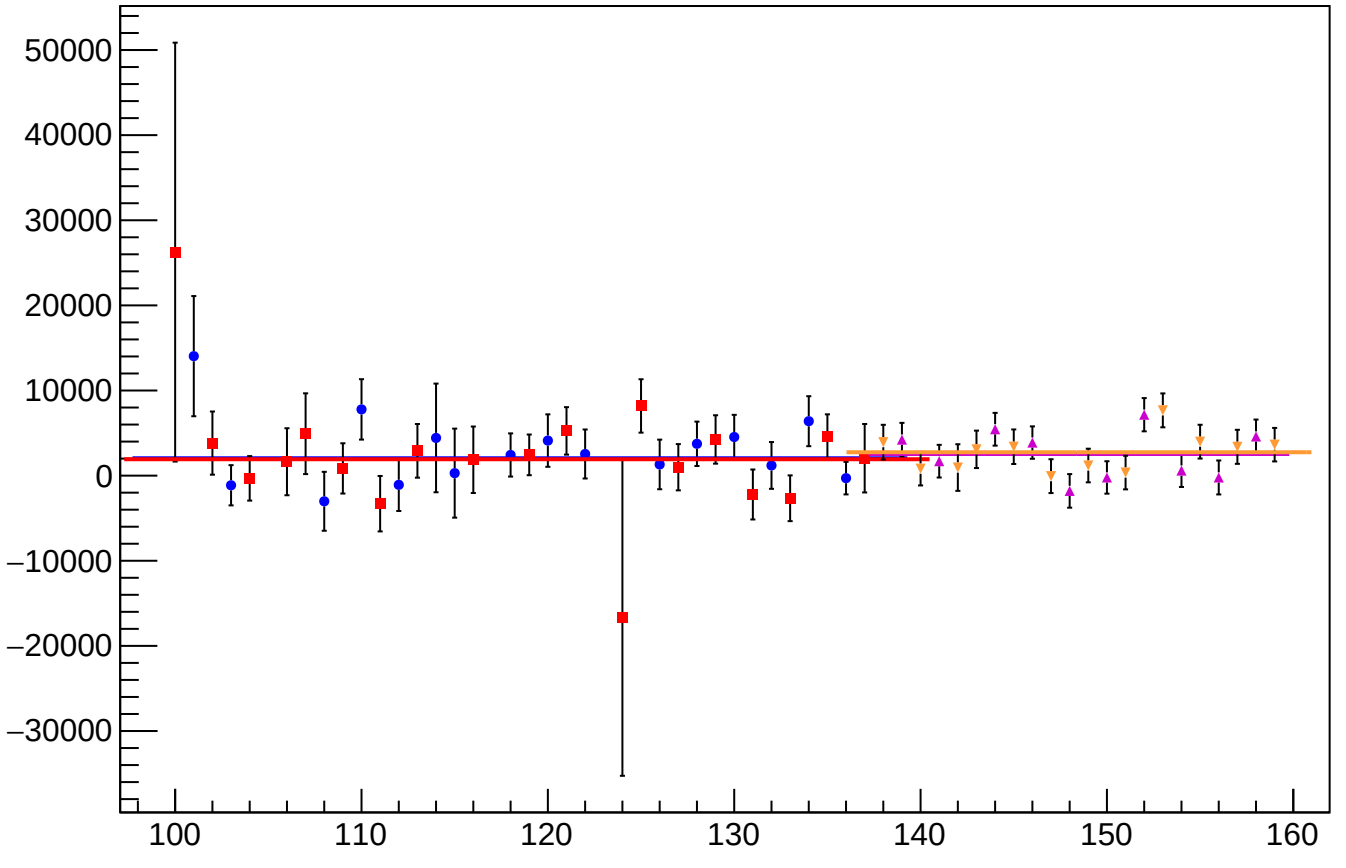
Left: 590.310+/-0.104 χ^2/NDF: 3815864.9/21

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 588.990+/-0.111 χ^2/NDF:2763408.1/25

Out: 566.555+/-0.106 χ^2/NDF:3381682.4/30

All: 577.236+/-0.077 χ^2/NDF: 6166435.9/56



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2748.339+/-591.205 χ^2/NDF:12.7/11

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2544.987+/-614.775 χ^2/NDF:20.2/9

Left: 2650.636+/-426.134 χ^2/NDF: 33.0/21

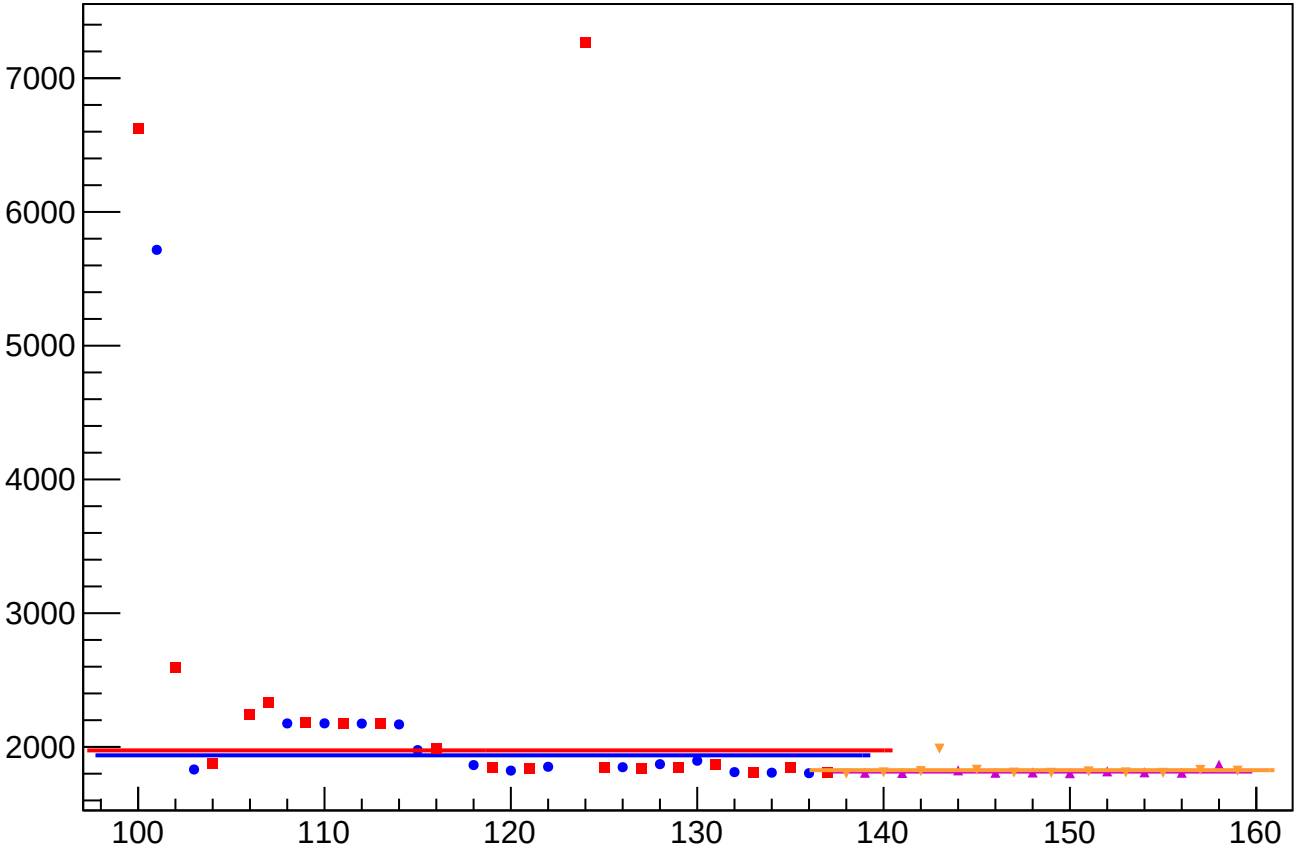
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2337.046+/-471.884 χ^2/NDF:36.9/25

Out: 2426.683+/-461.264 χ^2/NDF:31.9/30

All: 2382.884+/-329.854 χ^2/NDF: 68.9/56

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.370+/-0.418 χ^2/NDF:11928.5/11

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

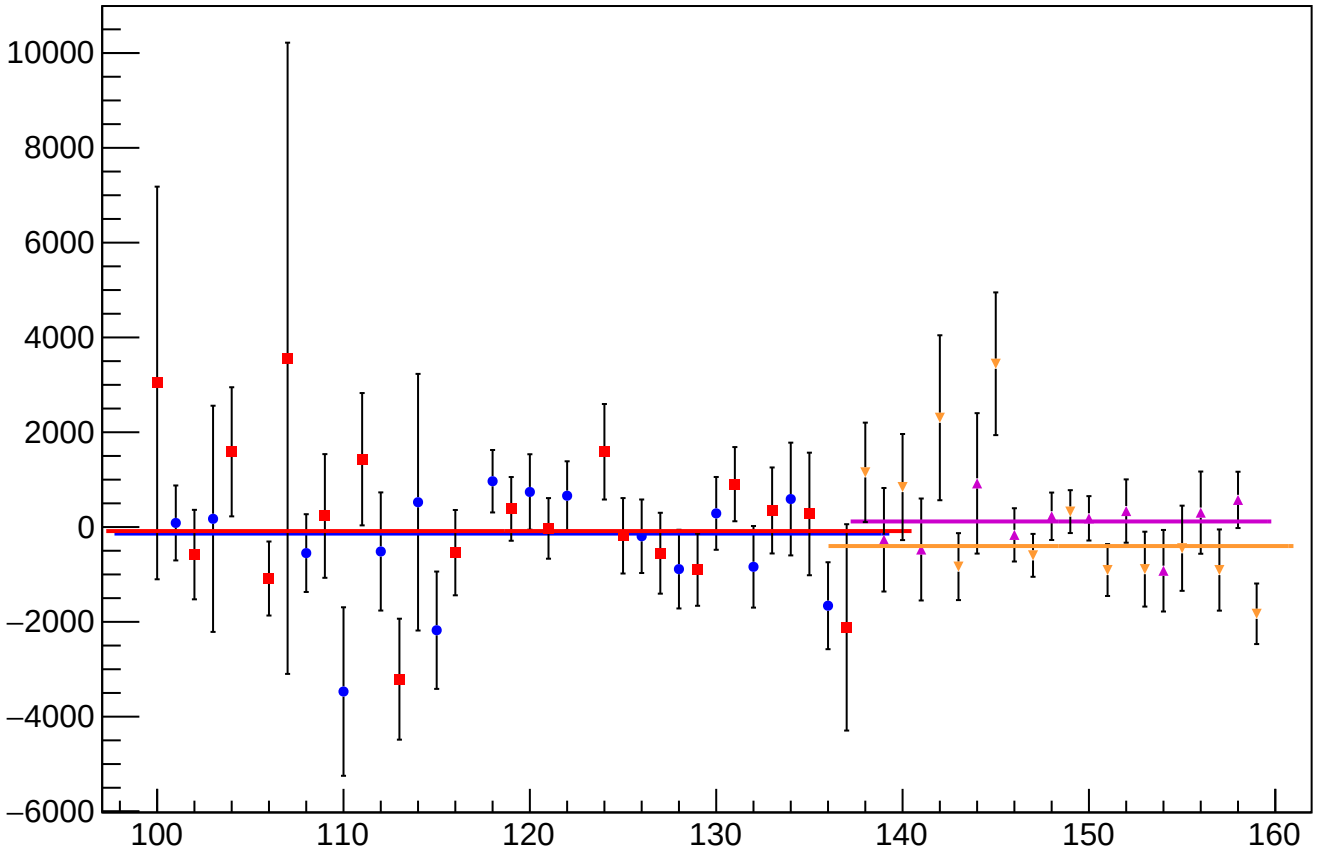
Left: 1821.311+/-0.301 χ^2/NDF: 13914.4/21

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1865.720+/-0.334 χ^2/NDF:671819.7/25

Out: 1884.195+/-0.326 χ^2/NDF:441257.2/30

All: 1875.168+/-0.233 χ^2/NDF: 1114644.6/56



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -400.934+/-203.075 χ^2/NDF:22.1/11

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 117.892+/-214.975 χ^2/NDF:3.2/9

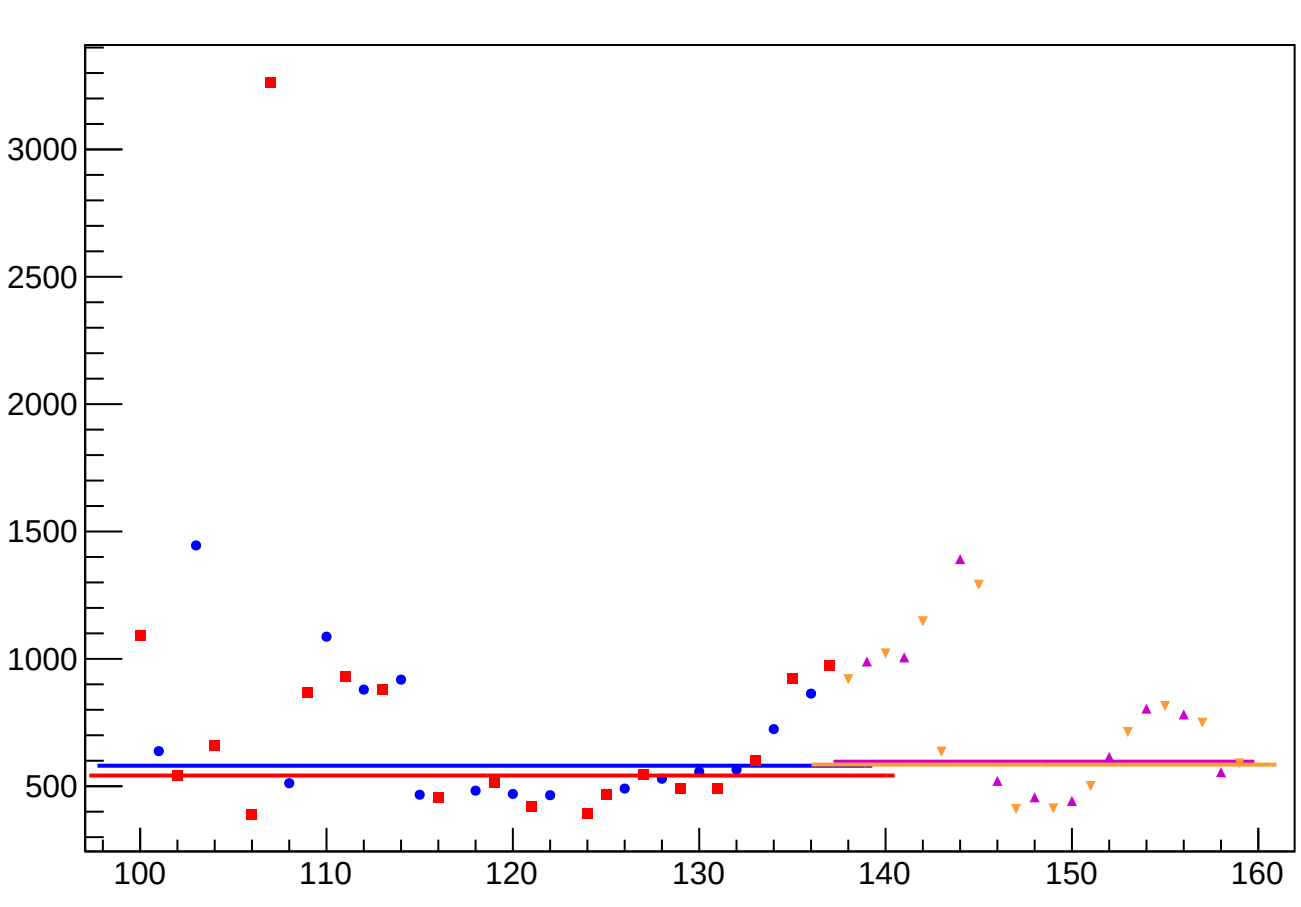
Left: -156.277+/-147.623 χ^2/NDF: 28.4/21

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -0.975+/-157.175 χ^2/NDF:20.8/25

Out: -256.897+/-149.804 χ^2/NDF:42.5/30

All: -135.077+/-108.439 χ^2/NDF: 64.7/56



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.984+/-0.144 χ^2/NDF:2057975.7/11

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

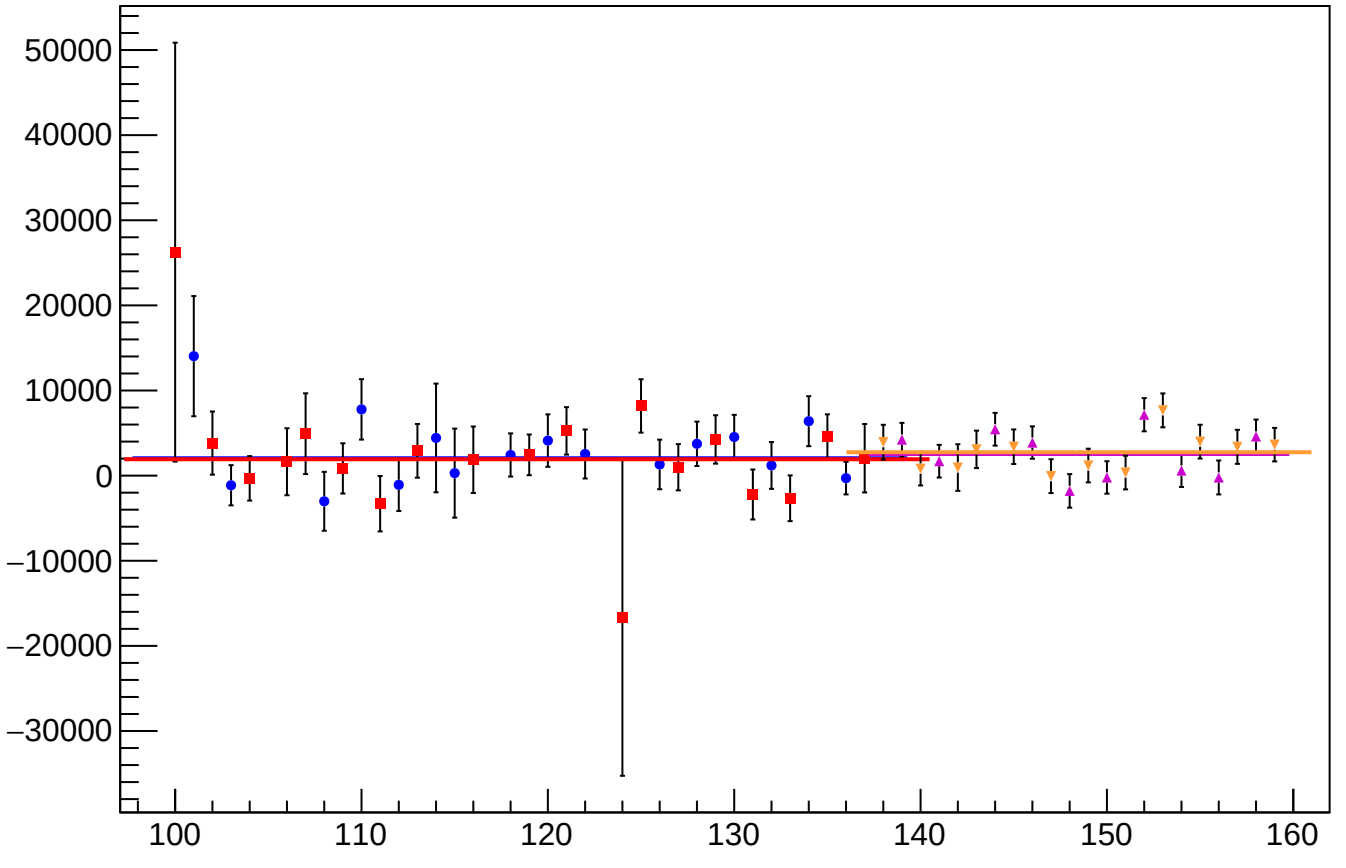
Left: 590.312+/-0.104 χ^2/NDF: 3815972.9/21

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 588.946+/-0.111 χ^2/NDF:2762983.6/25

Out: 565.362+/-0.106 χ^2/NDF:3417786.8/30

All: 576.588+/-0.077 χ^2/NDF: 6204364.7/56



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2748.339+/-591.205 χ^2/NDF:12.7/11

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2544.987+/-614.775 χ^2/NDF:20.2/9

Left: 2650.636+/-426.134 χ^2/NDF: 33.0/21

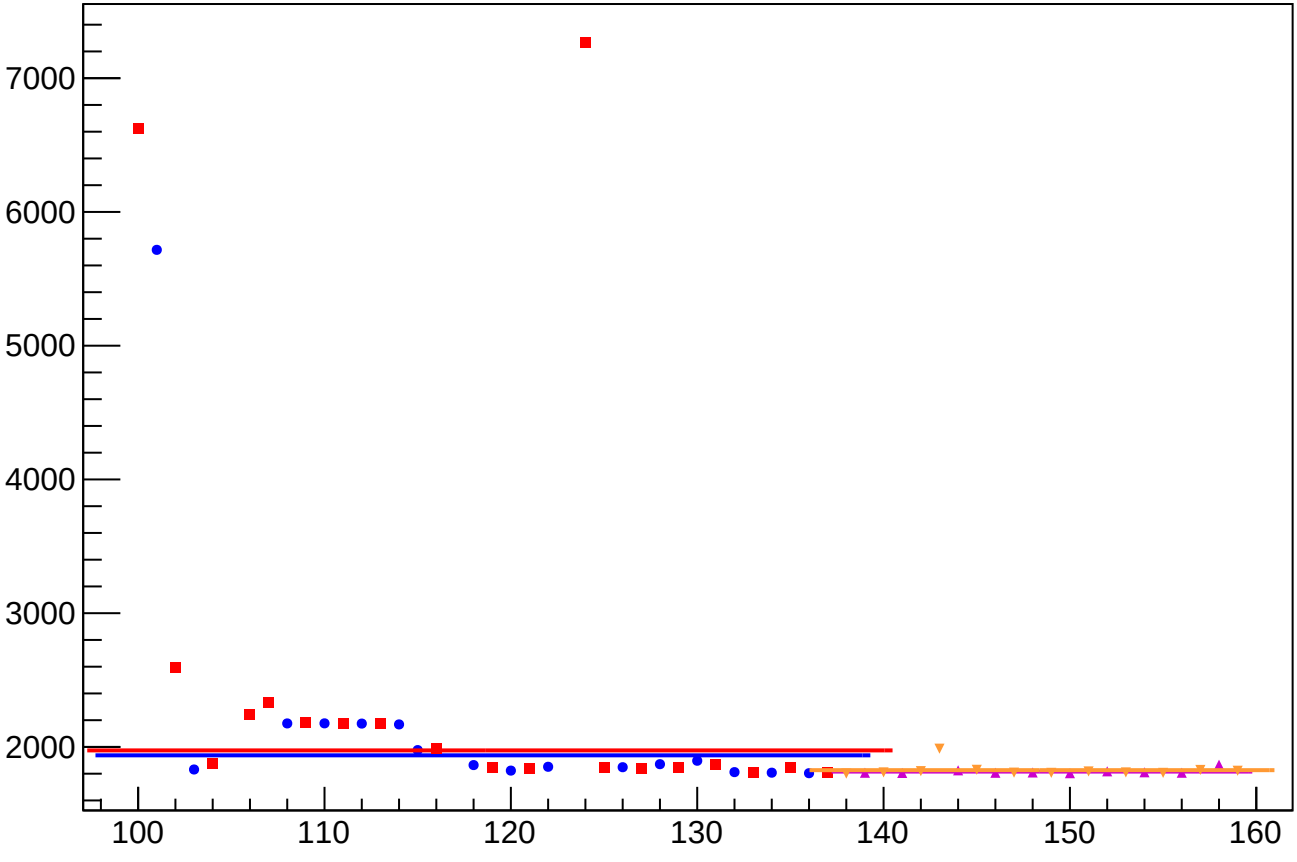
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2337.046+/-471.884 χ^2/NDF:36.9/25

Out: 2426.683+/-461.264 χ^2/NDF:31.9/30

All: 2382.884+/-329.854 χ^2/NDF: 68.9/56

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.370+/-0.418 χ^2/NDF:11928.5/11

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

Left: 1821.311+/-0.301 χ^2/NDF: 13914.4/21

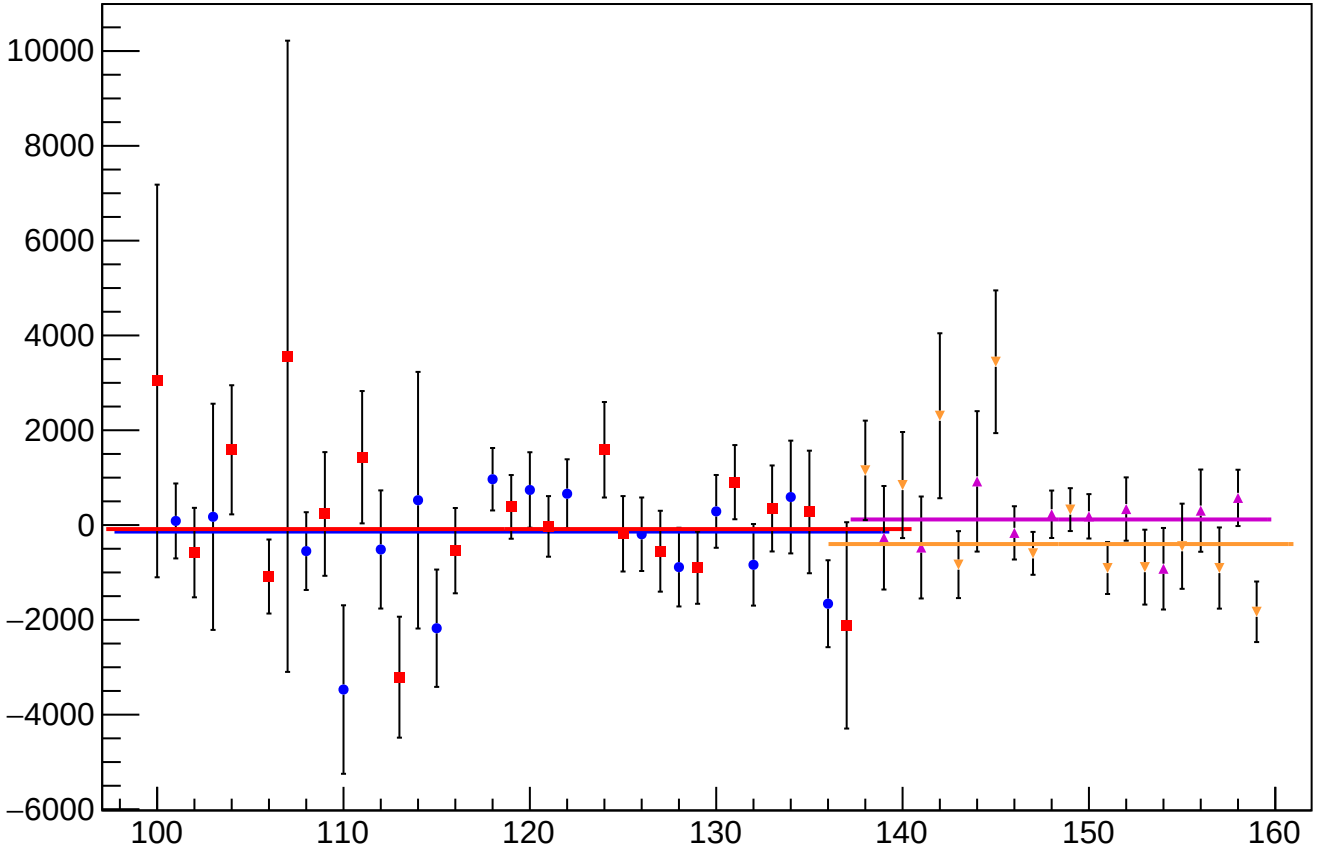
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1865.720+/-0.334 χ^2/NDF:671819.7/25

Out: 1884.195+/-0.326 χ^2/NDF:441257.2/30

All: 1875.168+/-0.233 χ^2/NDF: 1114644.6/56

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -400.934+/-203.075 χ^2/NDF:22.1/11

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 117.892+/-214.975 χ^2/NDF:3.2/9

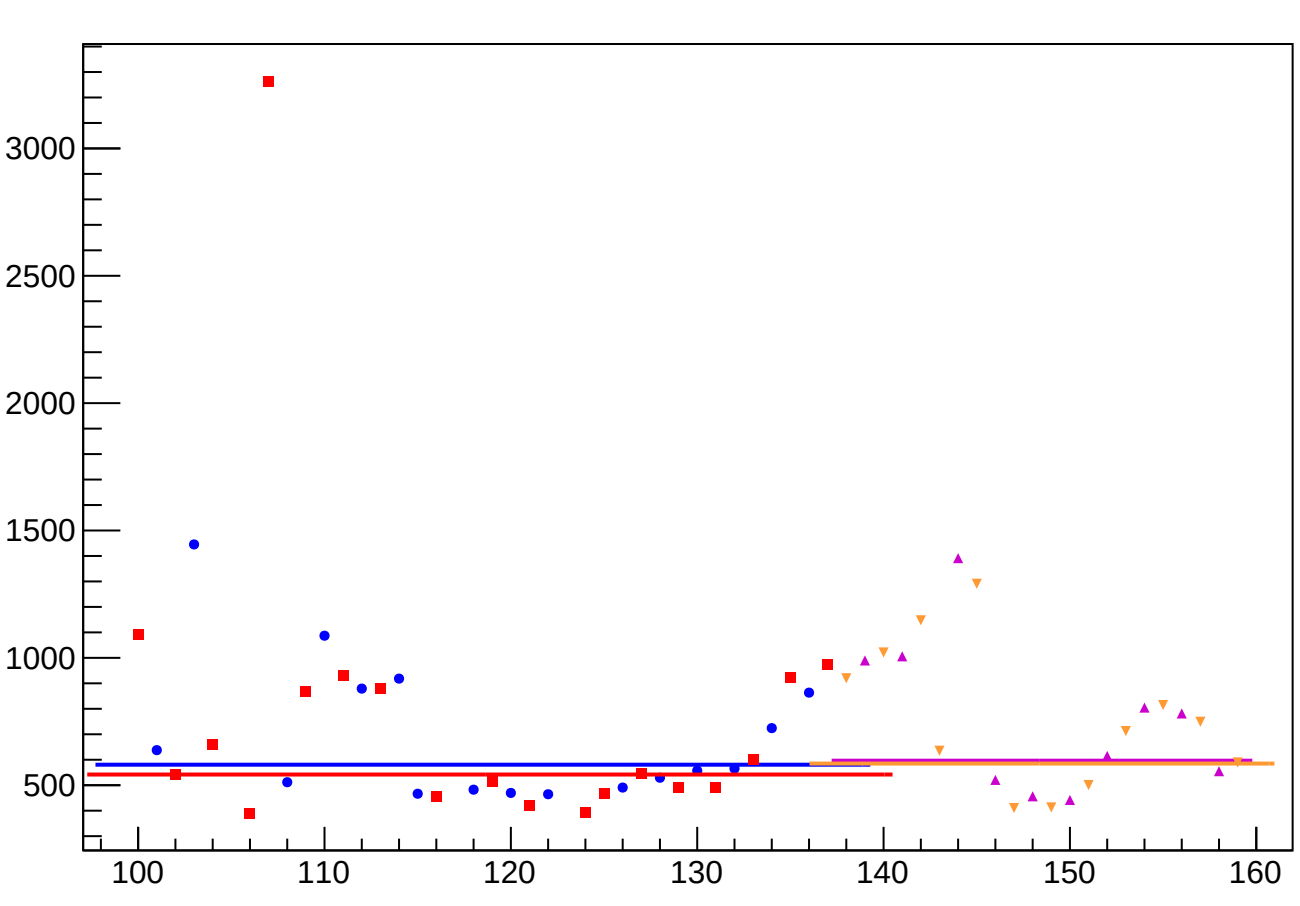
Left: -156.277+/-147.623 χ^2/NDF: 28.4/21

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

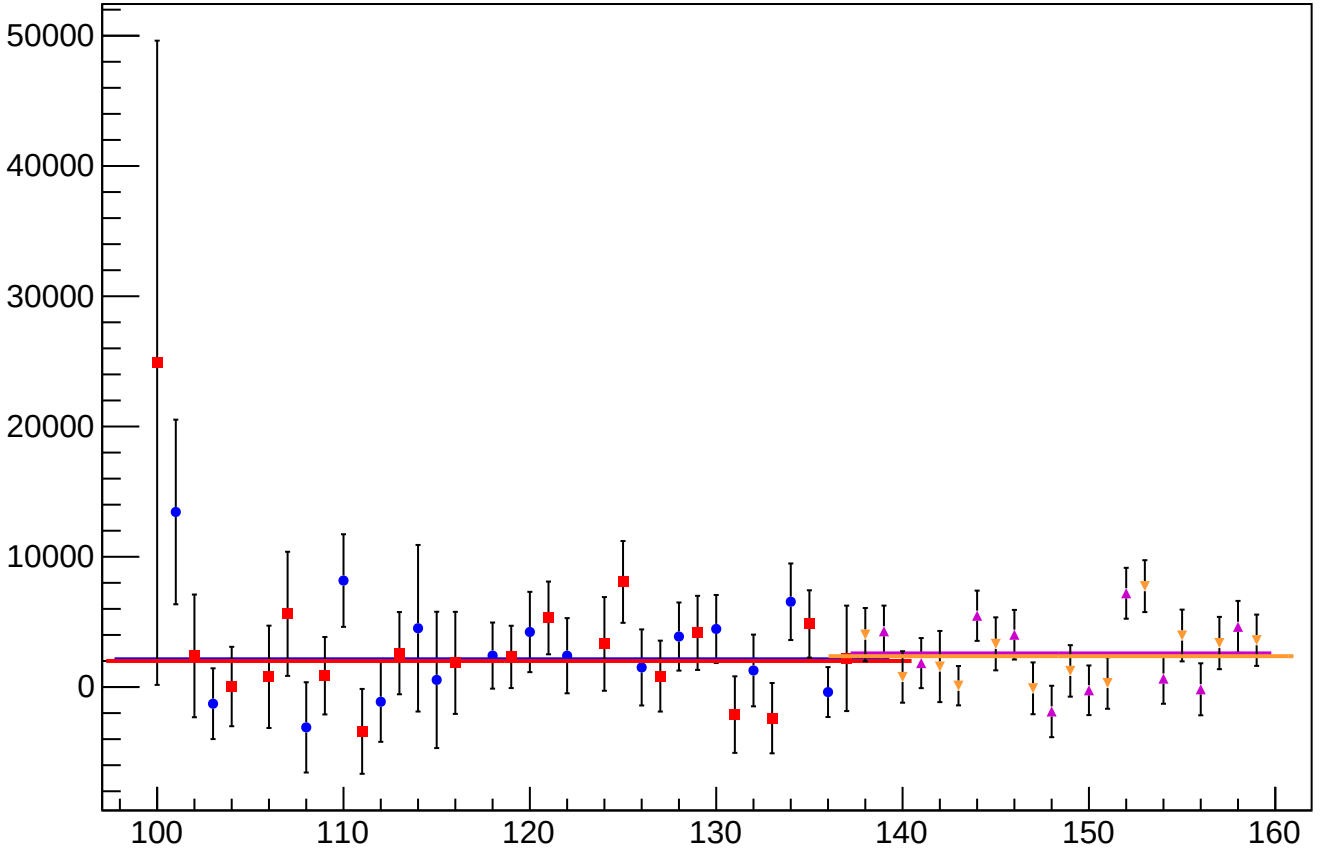
In: -0.975+/-157.175 χ^2/NDF:20.8/25

Out: -256.897+/-149.804 χ^2/NDF:42.5/30

All: -135.077+/-108.439 χ^2/NDF: 64.7/56


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 584.984+/-0.144 χ²/NDF:2057975.7/11
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 596.283+/-0.152 χ²/NDF:1755077.2/9
Left: 590.312+/-0.104 χ²/NDF: 3815972.9/21
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 588.946+/-0.111 χ²/NDF:2762983.6/25
Out: 565.362+/-0.106 χ²/NDF:3417786.8/30
All: 576.588+/-0.077 χ²/NDF: 6204364.7/56

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2368.772+/-569.218 χ^2/NDF:15.4/11

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2581.943+/-615.519 χ^2/NDF:20.6/9

Left: 2467.040+/-417.909 χ^2/NDF: 36.0/21

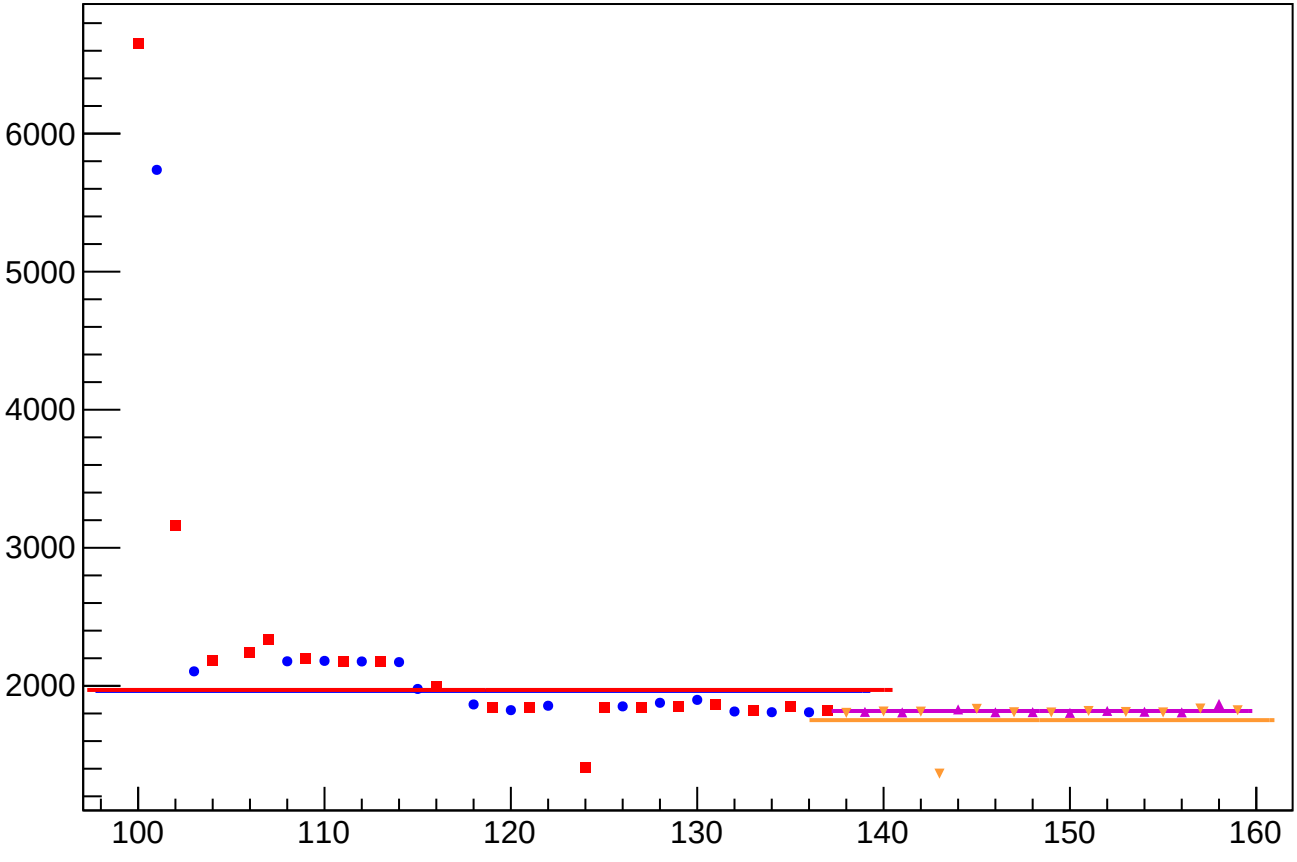
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2398.453+/-474.836 χ^2/NDF:37.3/25

Out: 2231.861+/-450.541 χ^2/NDF:32.3/30

All: 2310.786+/-326.832 χ^2/NDF: 69.6/56

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1751.817+/-0.402 χ^2/NDF:154161.8/11

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

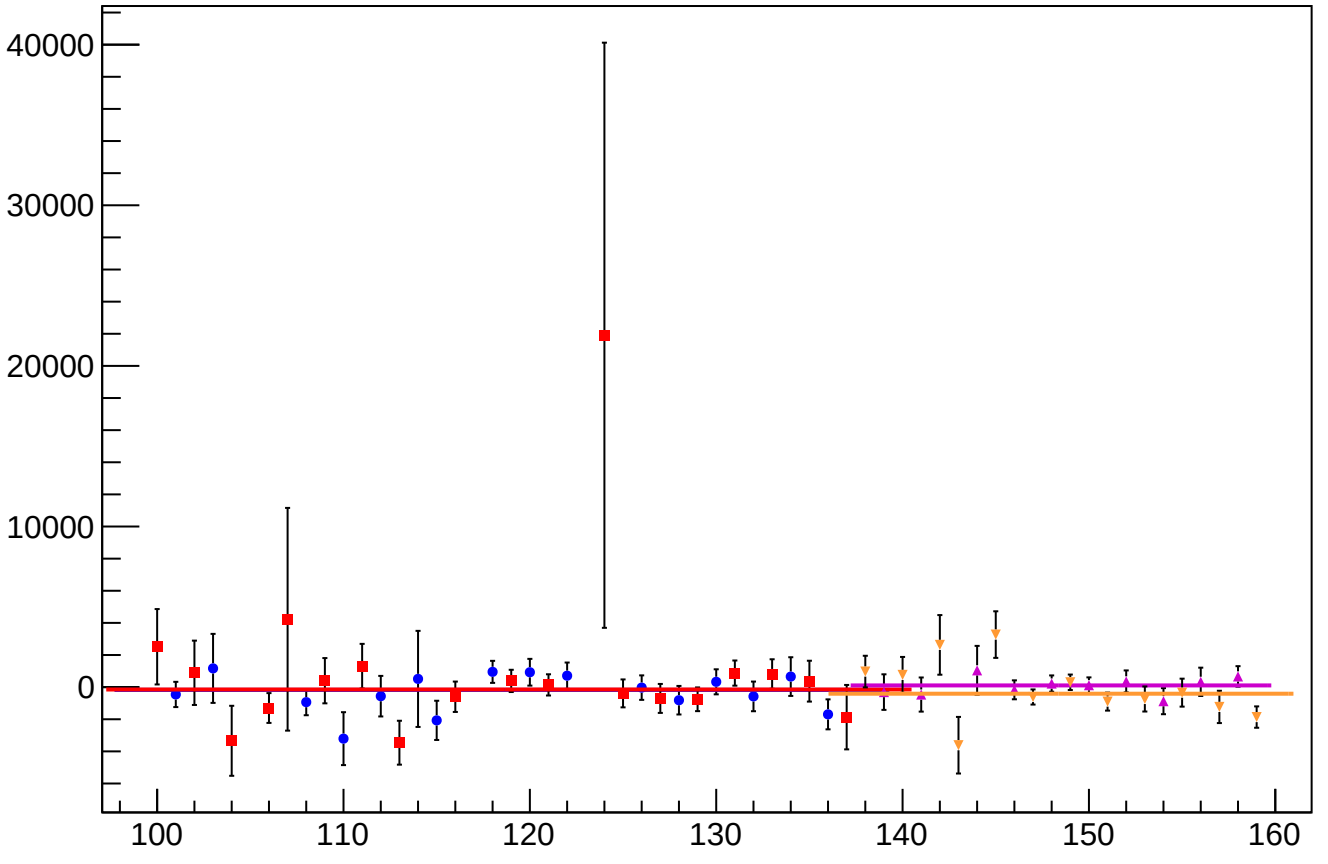
Left: 1782.329+/-0.296 χ^2/NDF: 168332.8/21

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1876.880+/-0.336 χ^2/NDF:687149.4/25

Out: 1833.483+/-0.319 χ^2/NDF:609511.6/30

All: 1854.043+/-0.231 χ^2/NDF: 1305452.3/56



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -409.745+/-217.524 χ^2/NDF:24.3/11

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 106.780+/-220.688 χ^2/NDF:3.5/9

Left: -155.212+/-154.919 χ^2/NDF: 30.6/21

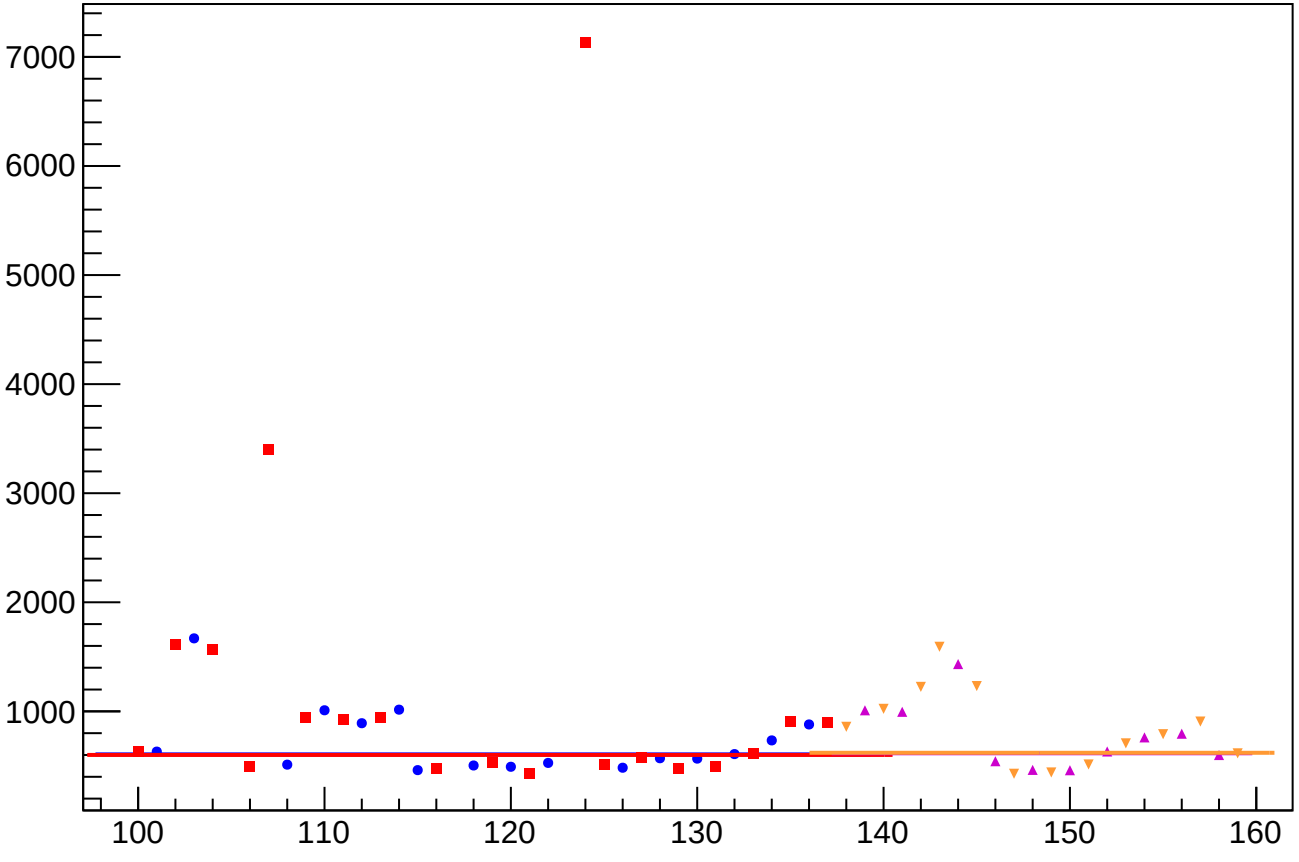
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -22.169+/-161.481 χ^2/NDF:21.5/25

Out: -293.000+/-162.029 χ^2/NDF:45.0/30

All: -157.126+/-114.377 χ^2/NDF: 67.9/56

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.136+/-0.154 χ^2/NDF:2503550.7/11

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 615.704+/-0.156 χ^2/NDF:1651969.3/9

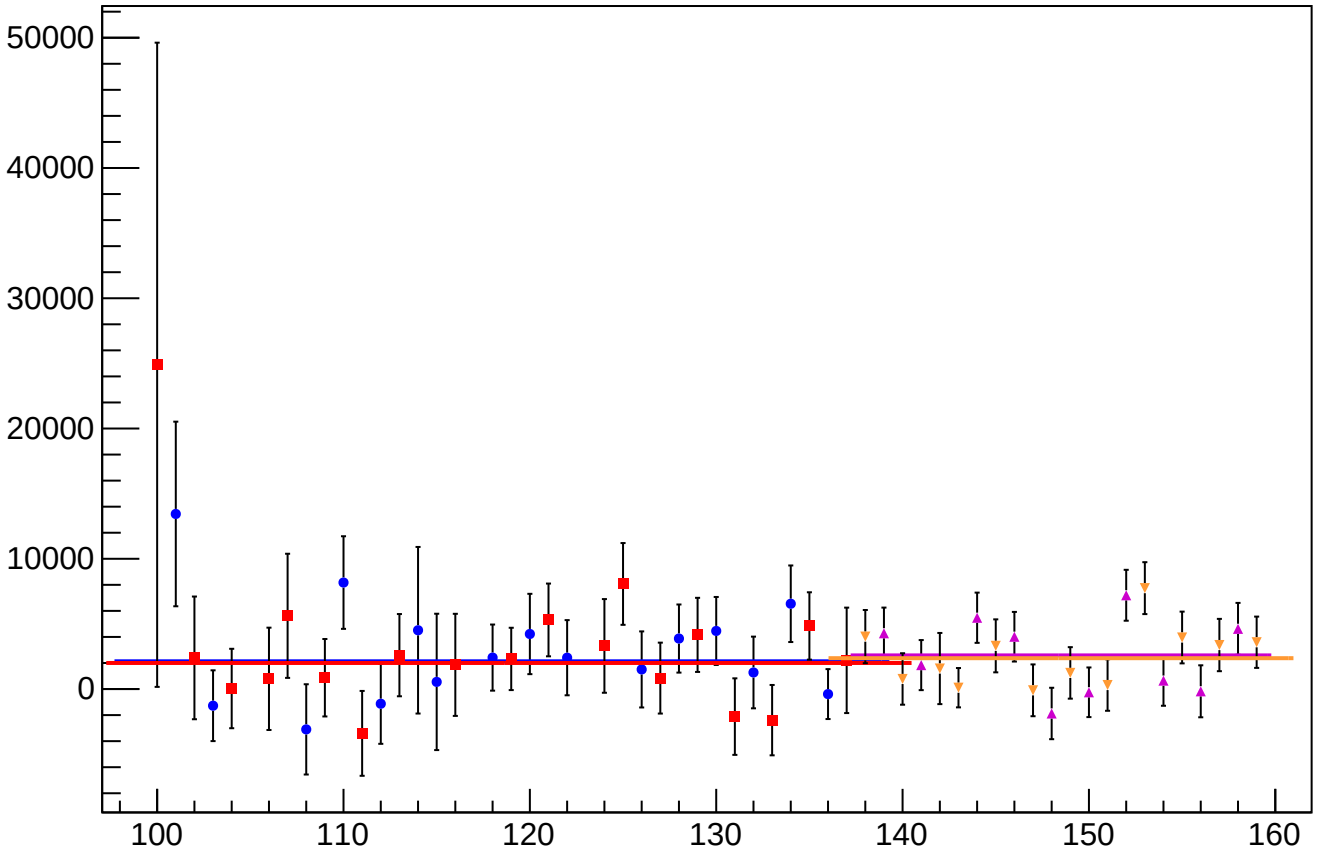
Left: 617.952+/-0.110 χ^2/NDF: 4155929.3/21

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 610.931+/-0.114 χ^2/NDF:2816437.8/25

Out: 611.371+/-0.115 χ^2/NDF:4839369.1/30

All: 611.150+/-0.081 χ^2/NDF: 7655814.3/56



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2368.773+/-569.218 χ^2/NDF:15.4/11

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2581.944+/-615.519 χ^2/NDF:20.6/9

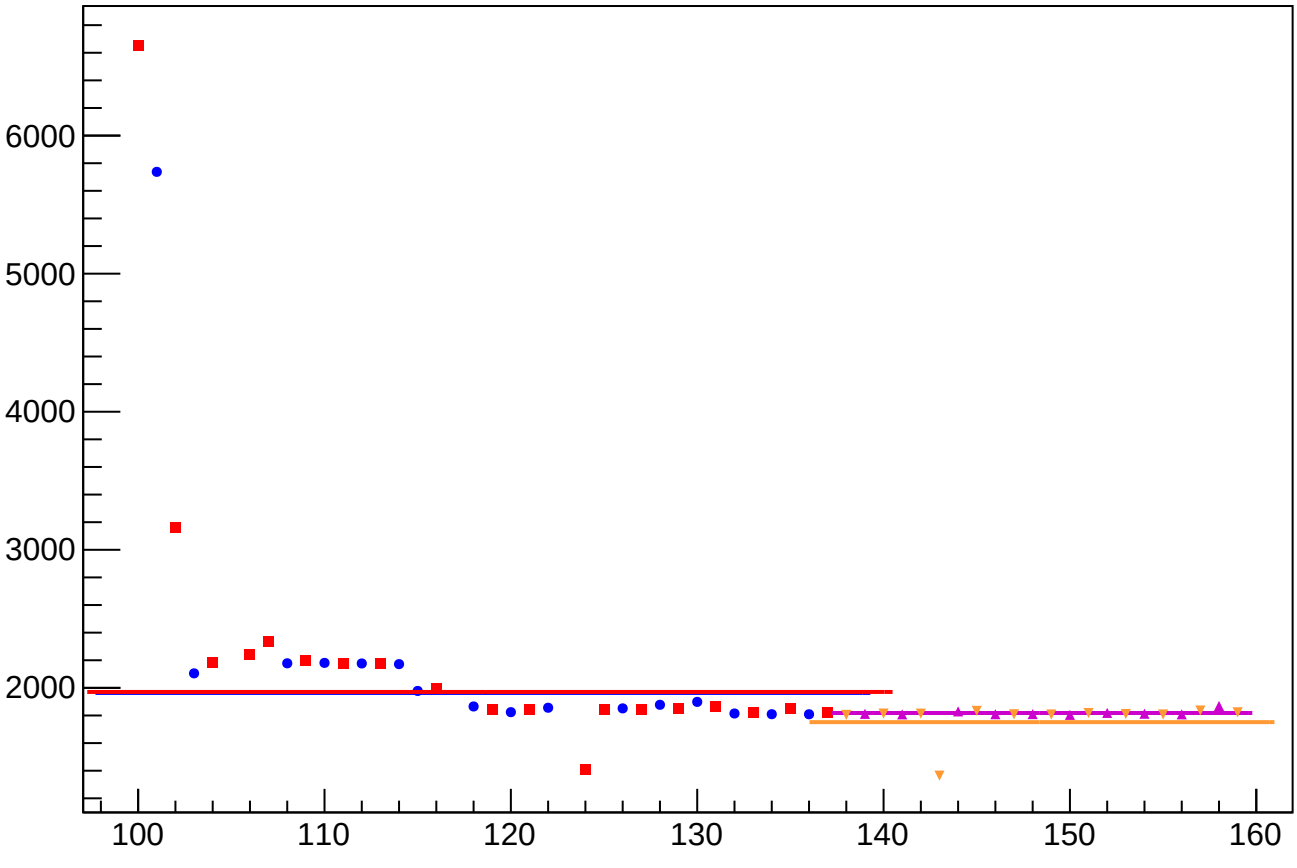
Left: 2467.040+/-417.909 χ^2/NDF: 36.0/21

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2398.453+/-474.836 χ^2/NDF:37.3/25

Out: 2231.860+/-450.541 χ^2/NDF:32.3/30

All: 2310.786+/-326.832 χ^2/NDF: 69.6/56



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1751.817+/-0.402 χ^2/NDF:154161.8/11

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

Left: 1782.329+/-0.296 χ^2/NDF: 168332.8/21

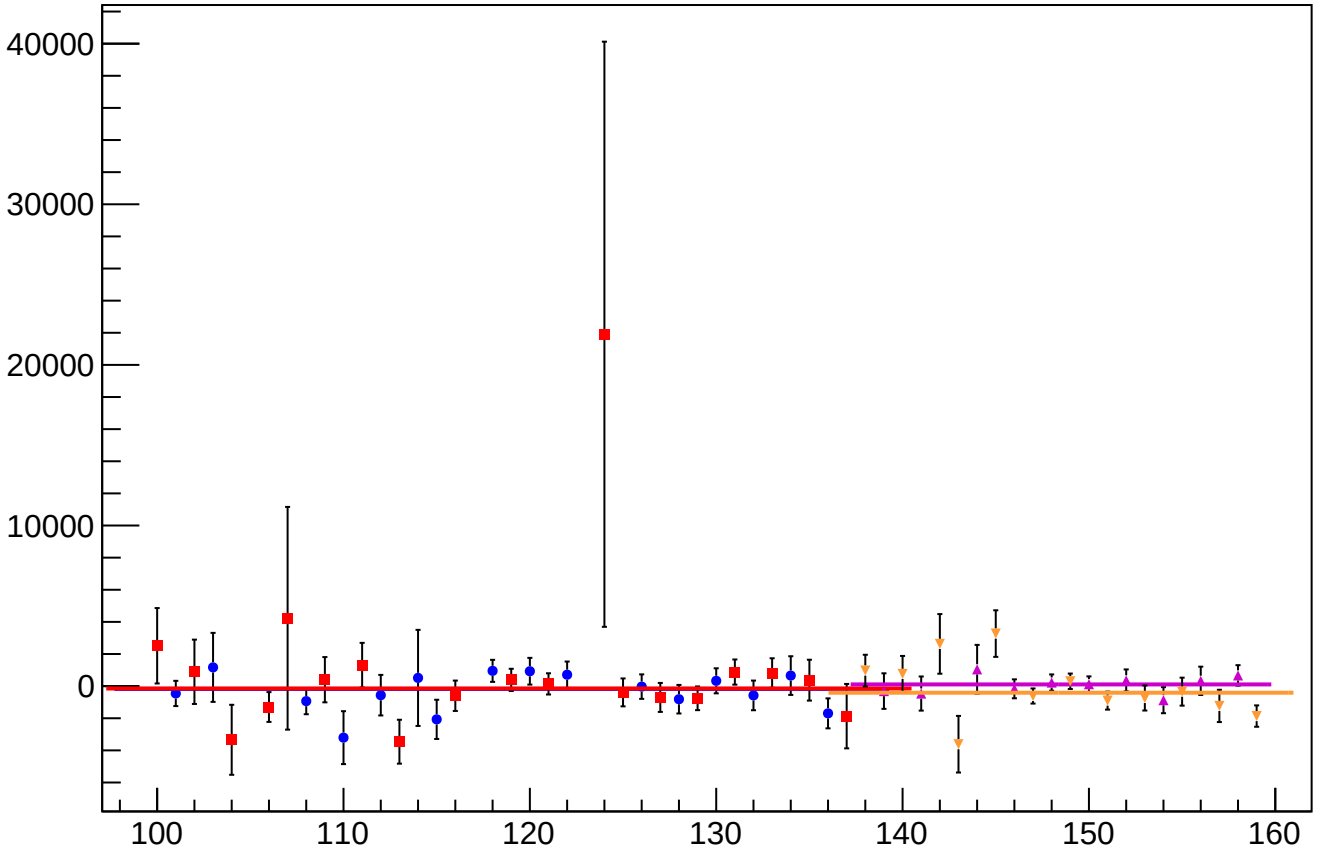
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1876.880+/-0.336 χ^2/NDF:687149.0/25

Out: 1833.483+/-0.319 χ^2/NDF:609510.0/30

All: 1854.043+/-0.231 χ^2/NDF: 1305450.2/56

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -409.746+/-217.524 χ^2/NDF:24.3/11

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 106.780+/-220.688 χ^2/NDF:3.5/9

Left: -155.212+/-154.919 χ^2/NDF: 30.6/21

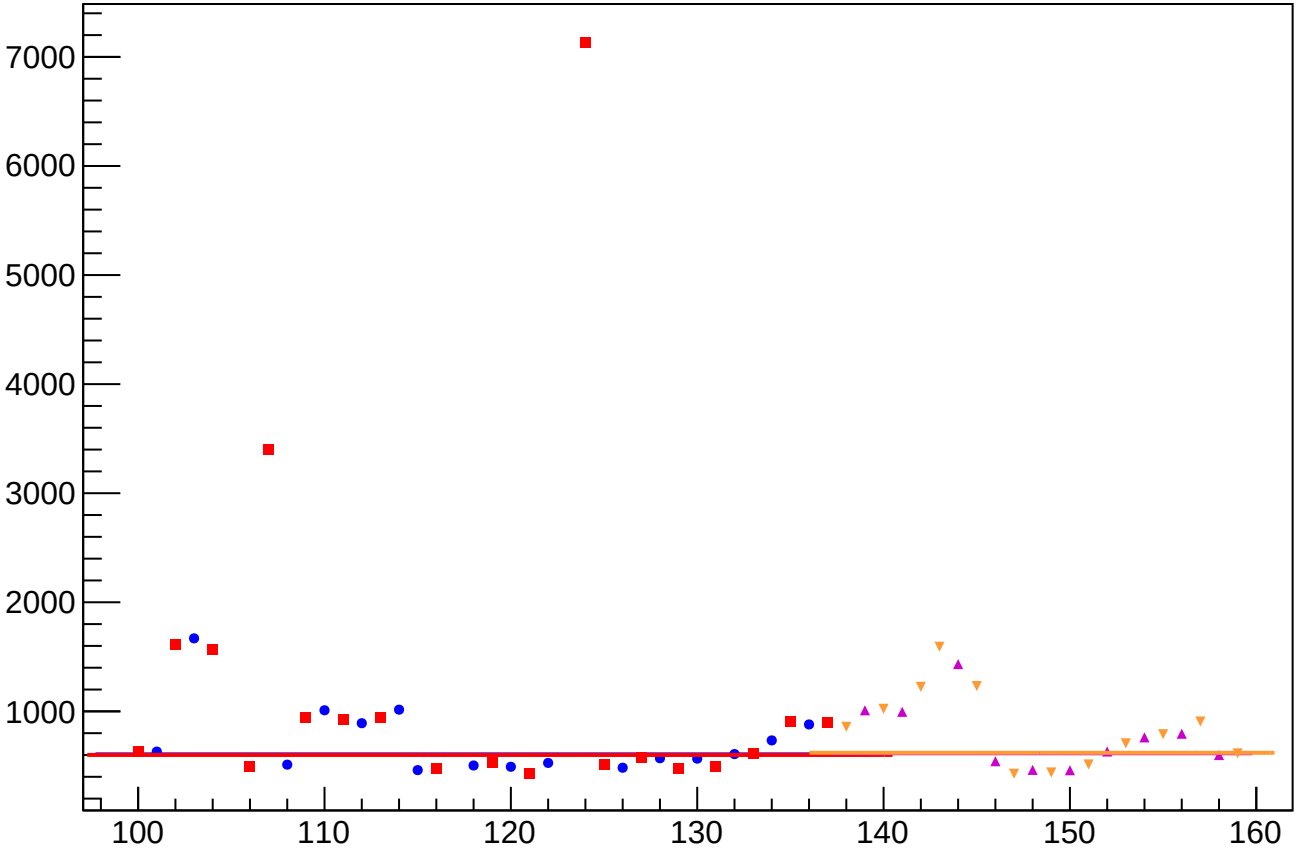
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -22.169+/-161.481 χ^2/NDF:21.5/25

Out: -292.999+/-162.029 χ^2/NDF:45.0/30

All: -157.126+/-114.377 χ^2/NDF: 67.9/56

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: 620.137+/-0.154 χ^2/NDF:2503542.4/11

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 615.705+/-0.156 χ^2/NDF:1651964.0/9

Left: 617.953+/-0.110 χ^2/NDF: 4155915.5/21

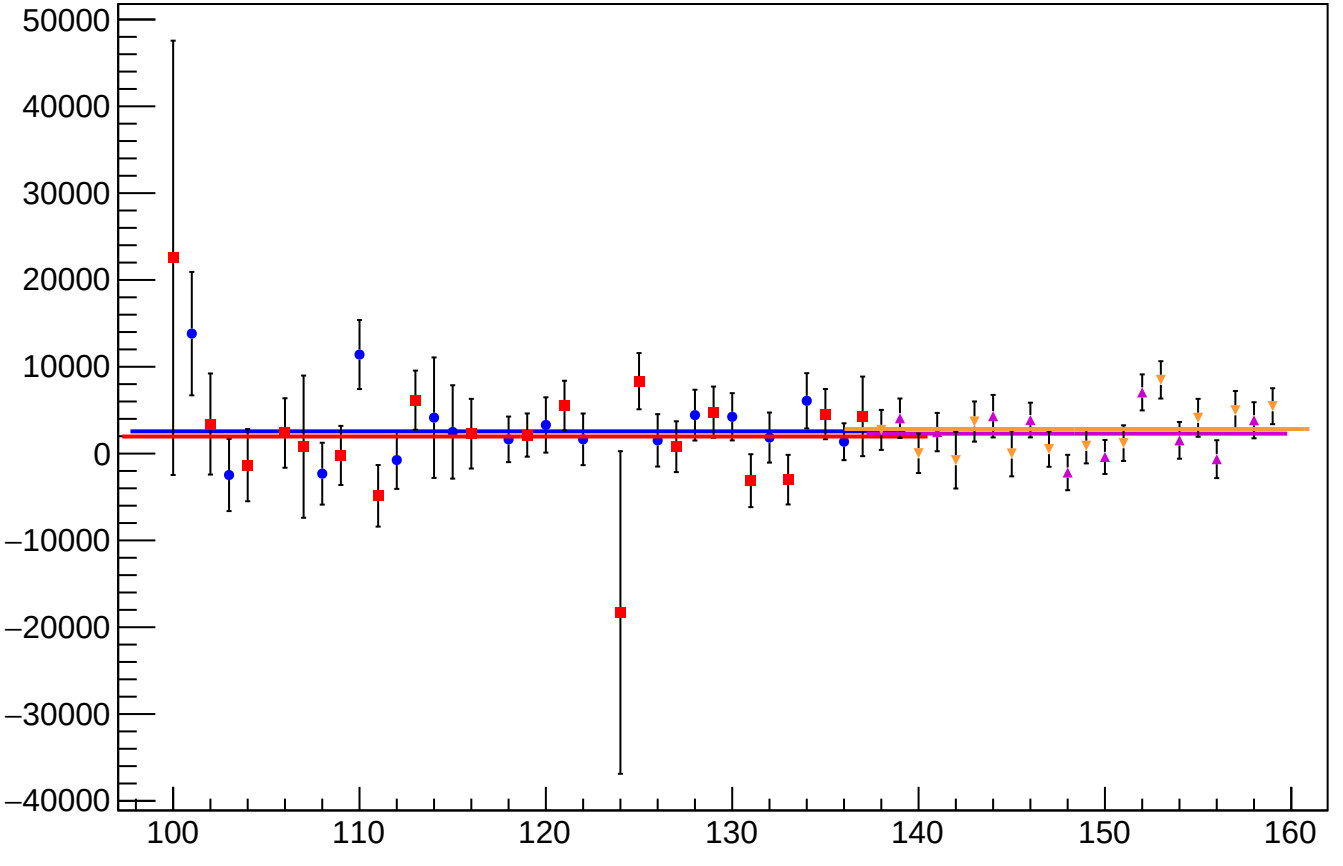
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 610.931+/-0.114 χ^2/NDF:2816441.2/25

Out: 611.372+/-0.115 χ^2/NDF:4839370.2/30

All: 611.150+/-0.081 χ^2/NDF: 7655818.8/56

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2828.059+/-647.036 χ^2/NDF:16.7/11

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 2298.945+/-672.069 χ^2/NDF:16.4/9

Left: 2573.539+/-466.122 χ^2/NDF: 33.3/21

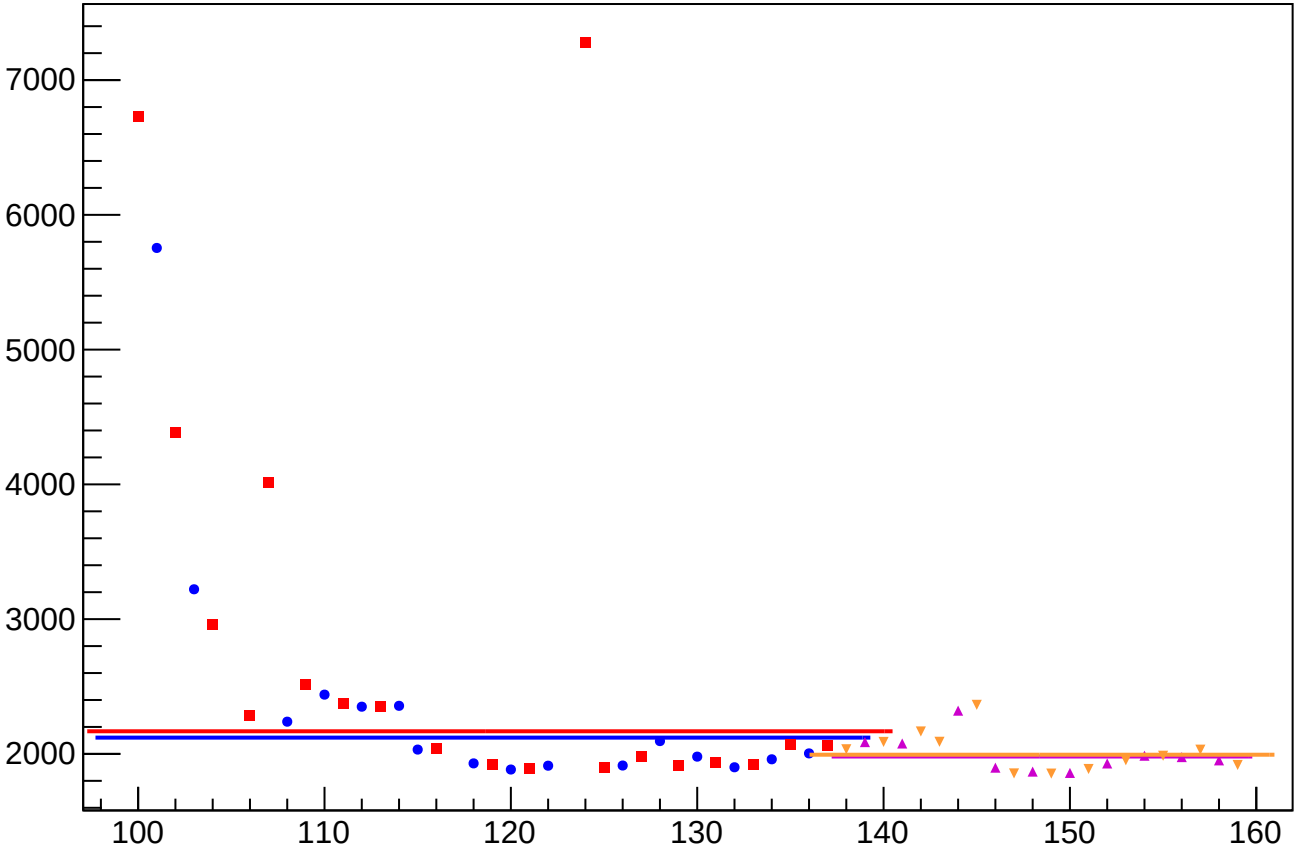
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2405.835+/-517.128 χ^2/NDF:31.0/25

Out: 2496.976+/-507.671 χ^2/NDF:38.9/30

All: 2452.246+/-362.275 χ^2/NDF: 70.0/56

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1993.879+/-0.458 χ^2/NDF:80666.2/11

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1980.524+/-0.475 χ^2/NDF:65629.0/9

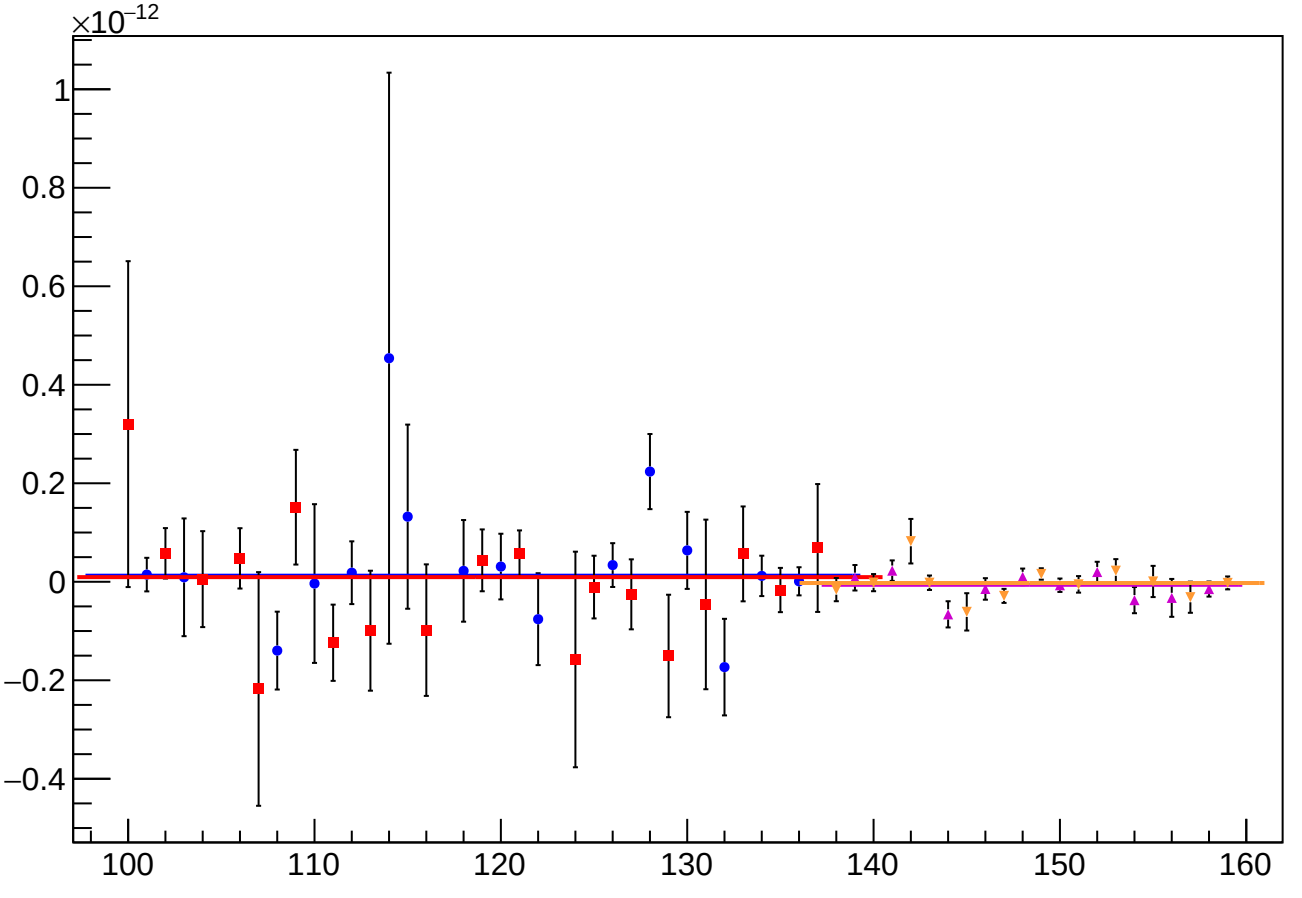
Left: 1987.455+/-0.330 χ^2/NDF: 146705.1/21

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2037.739+/-0.366 χ^2/NDF:861130.3/25

Out: 2060.748+/-0.359 χ^2/NDF:960162.3/30

All: 2049.455+/-0.256 χ^2/NDF: 1823308.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/9

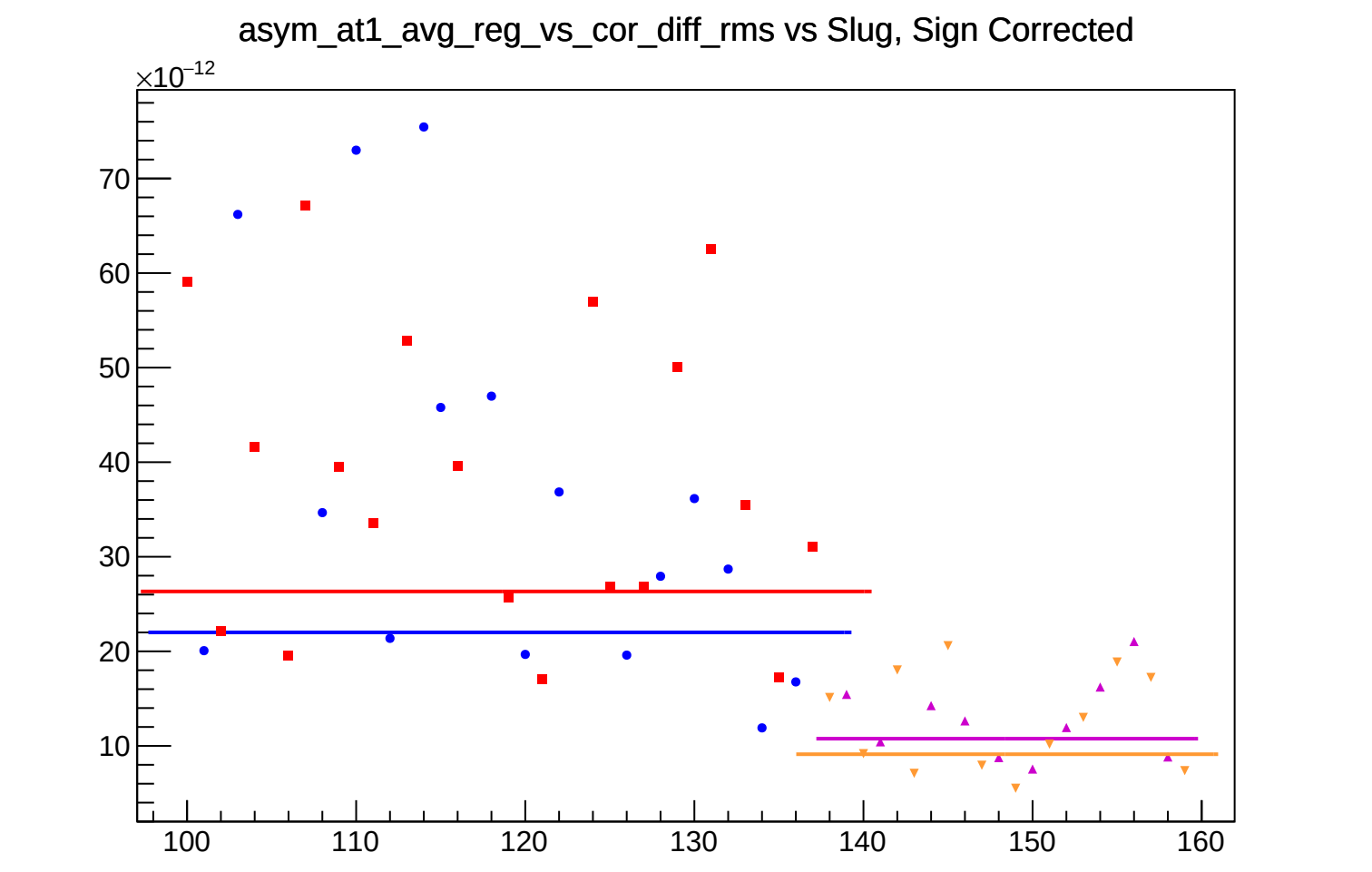
Left: -0.000+/-0.000 χ^2/NDF: 26.4/21

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:31.2/25

Out: -0.000+/-0.000 χ^2/NDF:28.3/30

All: -0.000+/-0.000 χ^2/NDF: 59.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053161.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:520098.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1653101.2/21

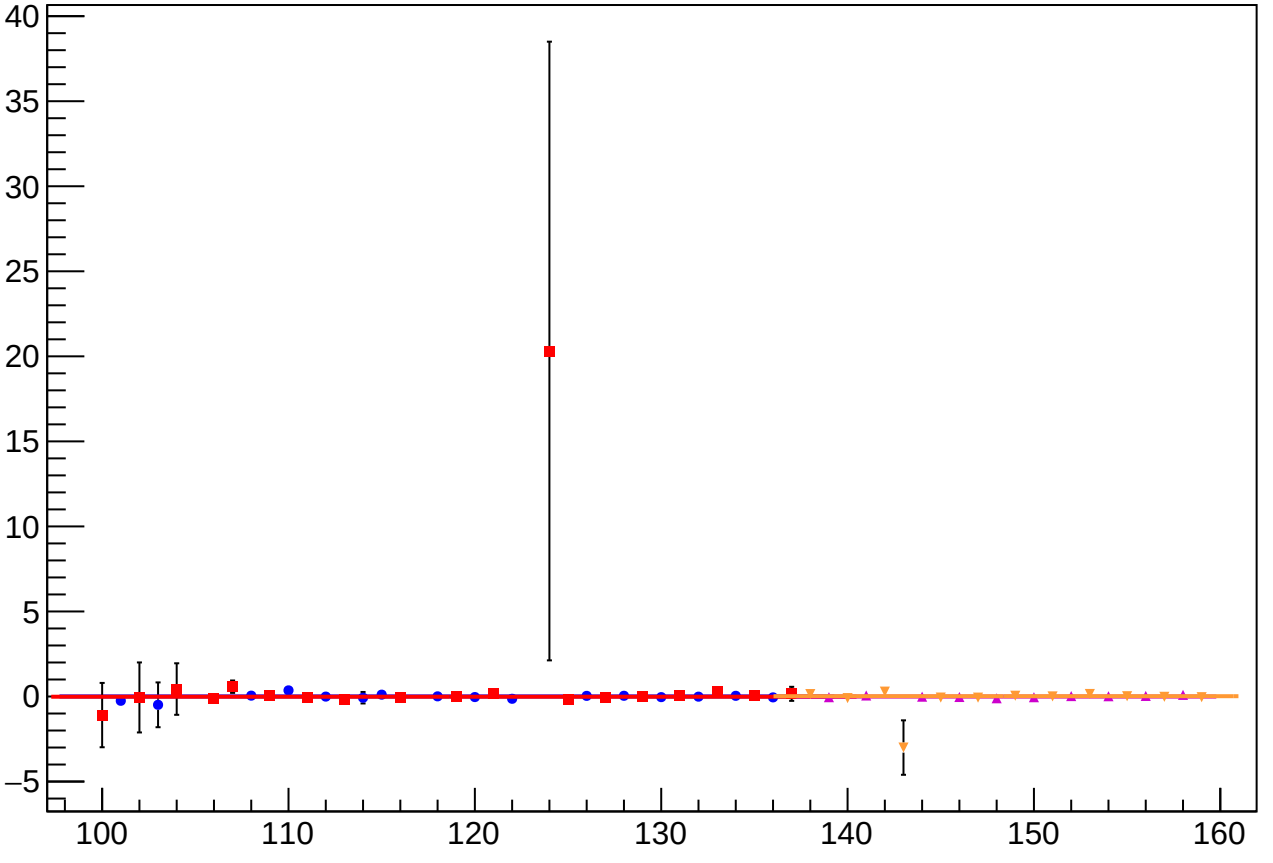
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2535769.4/25

Out: 0.000+/-0.000 χ^2/NDF:3438643.6/30

All: 0.000+/-0.000 χ^2/NDF: 6117700.3/56

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

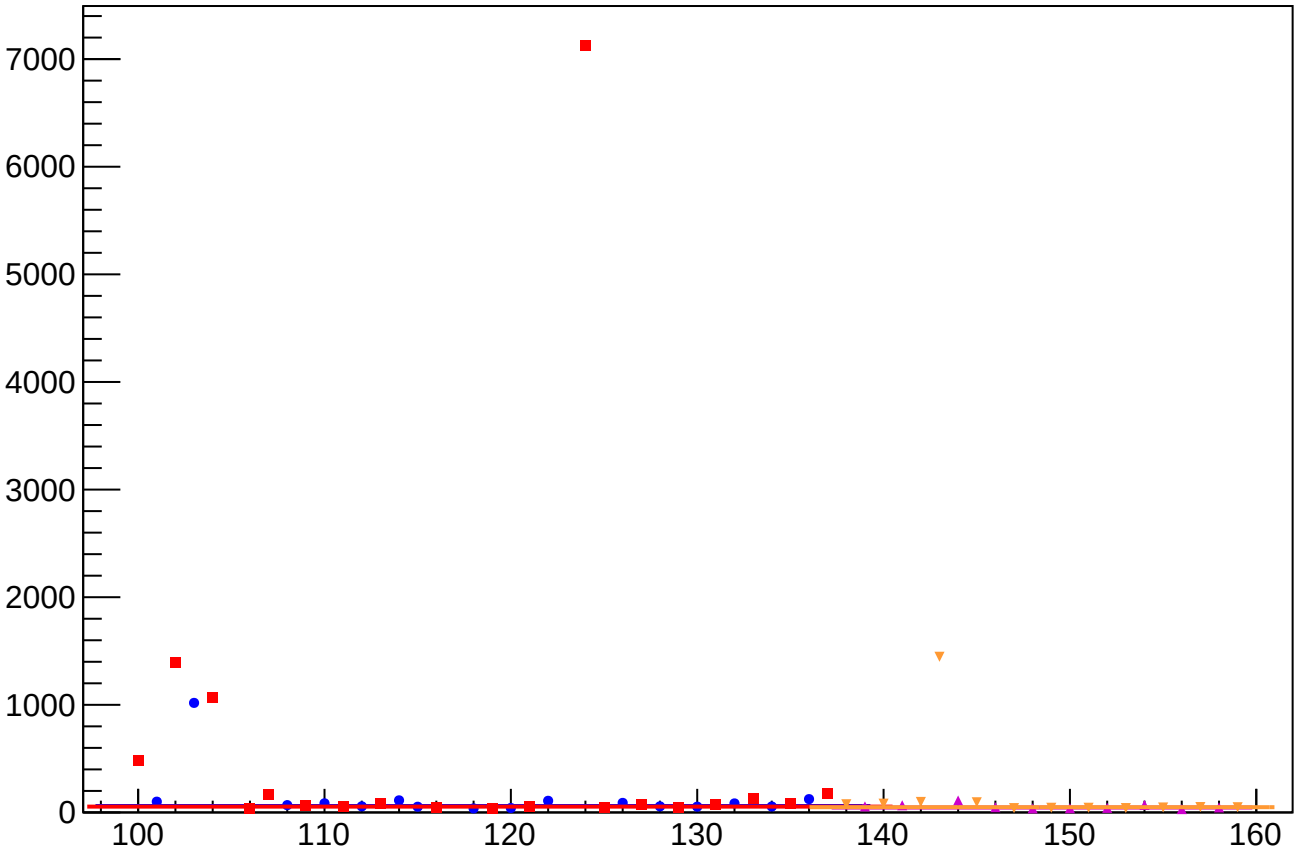
Left: 0.006+/-0.013 χ^2/NDF: 34.3/21

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.003+/-0.011 χ^2/NDF: 63.8/56



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 48.941+/-0.013 χ^2/NDF:2621705.7/11

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

Left: 47.173+/-0.009 χ^2/NDF: 3983566.5/21

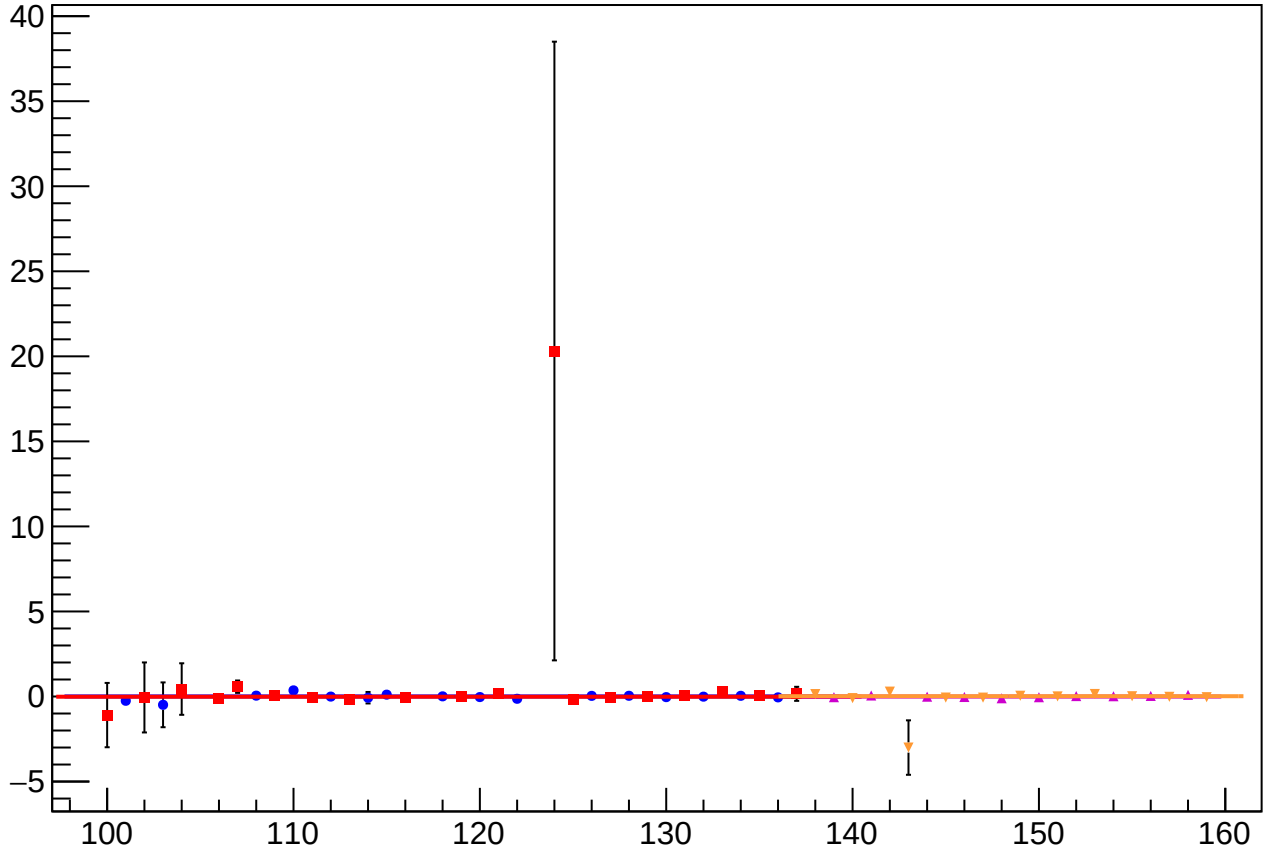
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.895+/-0.010 χ^2/NDF:4263424.5/25

Out: 50.753+/-0.011 χ^2/NDF:6198983.0/30

All: 50.312+/-0.007 χ^2/NDF: 10465738.1/56

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: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

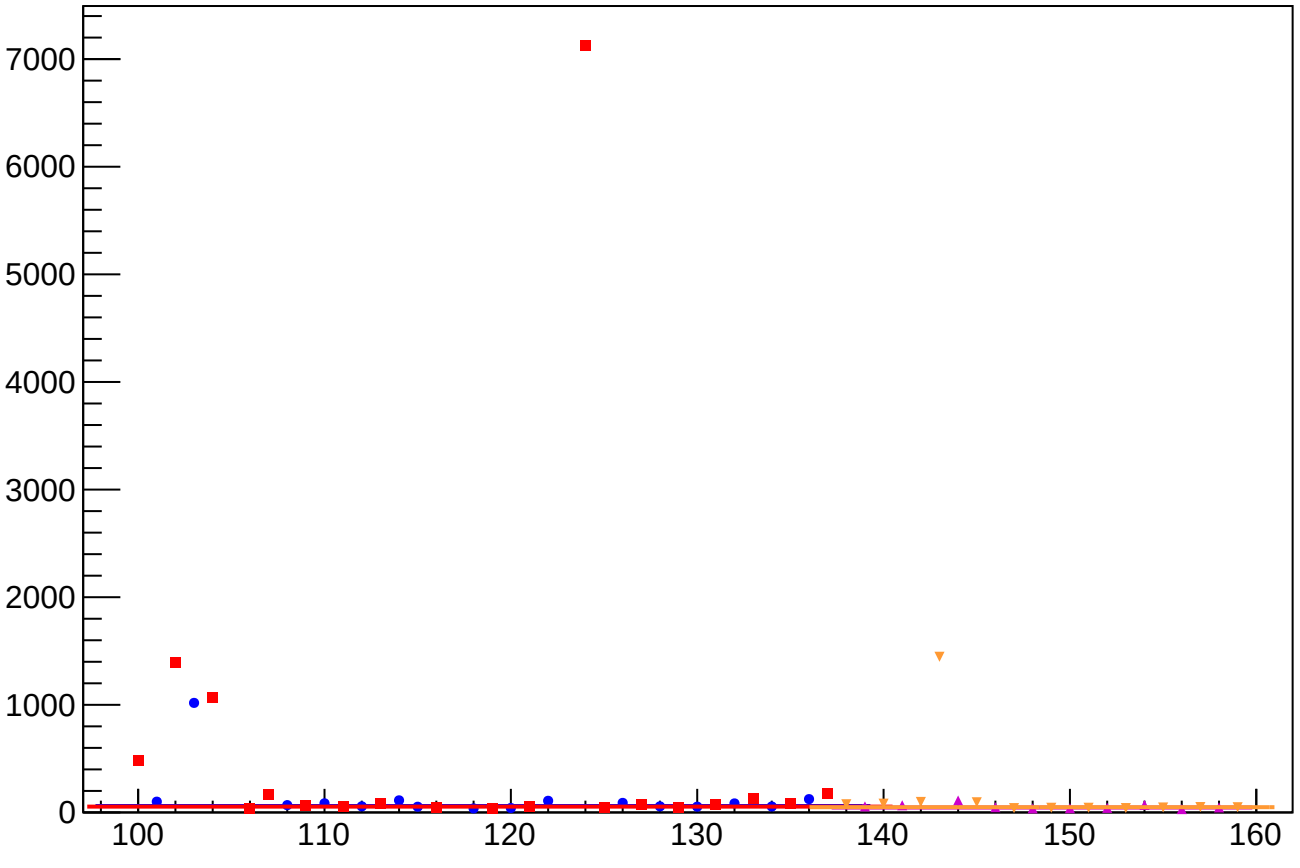
Left: 0.006+/-0.013 χ^2/NDF: 34.3/21

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.003+/-0.011 χ^2/NDF: 63.8/56



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 48.941+/-0.013 χ^2/NDF:2621705.7/11

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

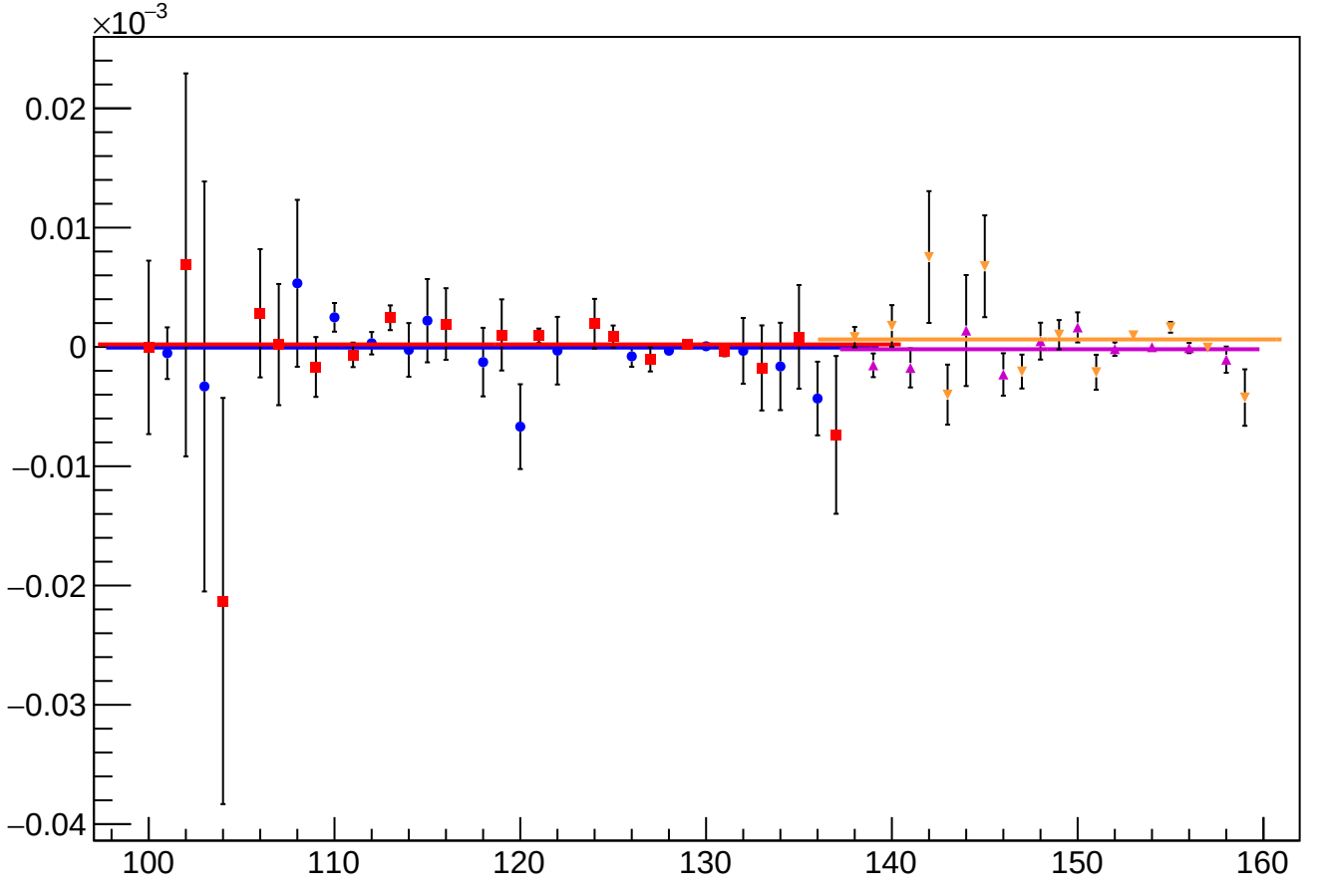
Left: 47.173+/-0.009 χ^2/NDF: 3983566.5/21

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.895+/-0.010 χ^2/NDF:4263424.5/25

Out: 50.753+/-0.011 χ^2/NDF:6198983.0/30

All: 50.312+/-0.007 χ^2/NDF: 10465738.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/9

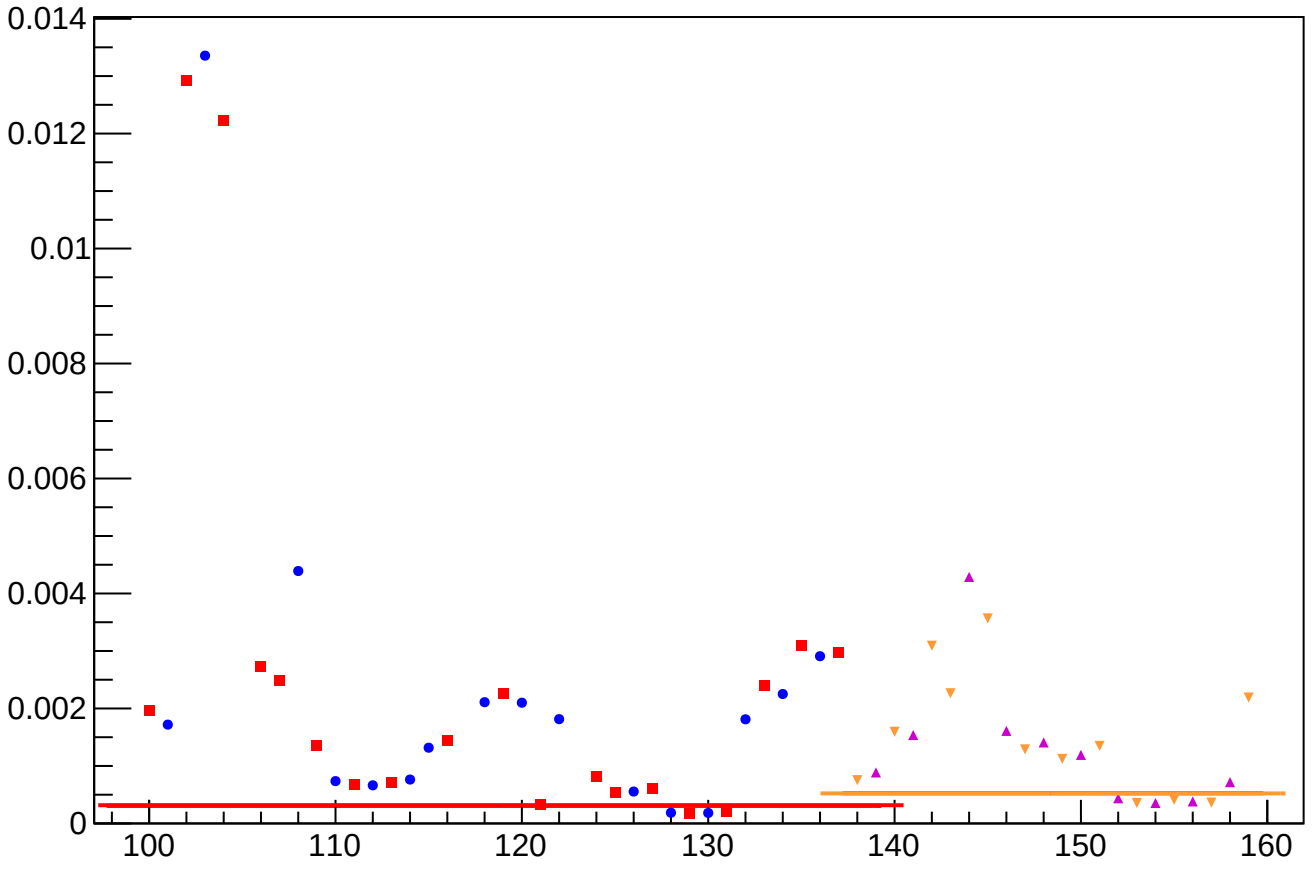
Left: 0.000+/-0.000 χ^2/NDF: 42.2/21

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:20.5/25

Out: 0.000+/-0.000 χ^2/NDF:45.5/30

All: 0.000+/-0.000 χ^2/NDF: 72.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:6804244.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5023613.8/9

Left: 0.001+/-0.000 χ^2/NDF: 11827954.3/21

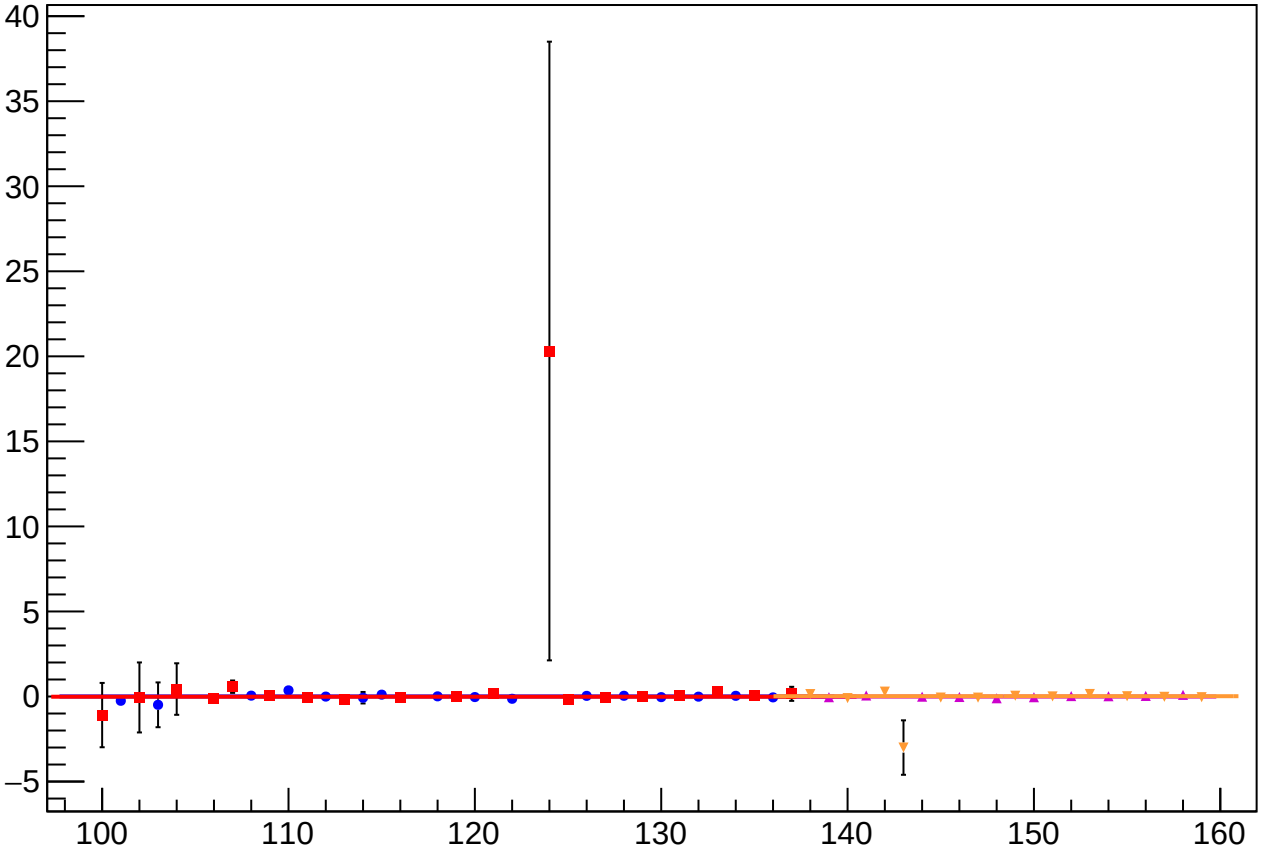
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14824875.6/25

Out: 0.000+/-0.000 χ^2/NDF:15826026.8/30

All: 0.000+/-0.000 χ^2/NDF: 30655202.8/56

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: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

Left: 0.006+/-0.013 χ^2/NDF: 34.3/21

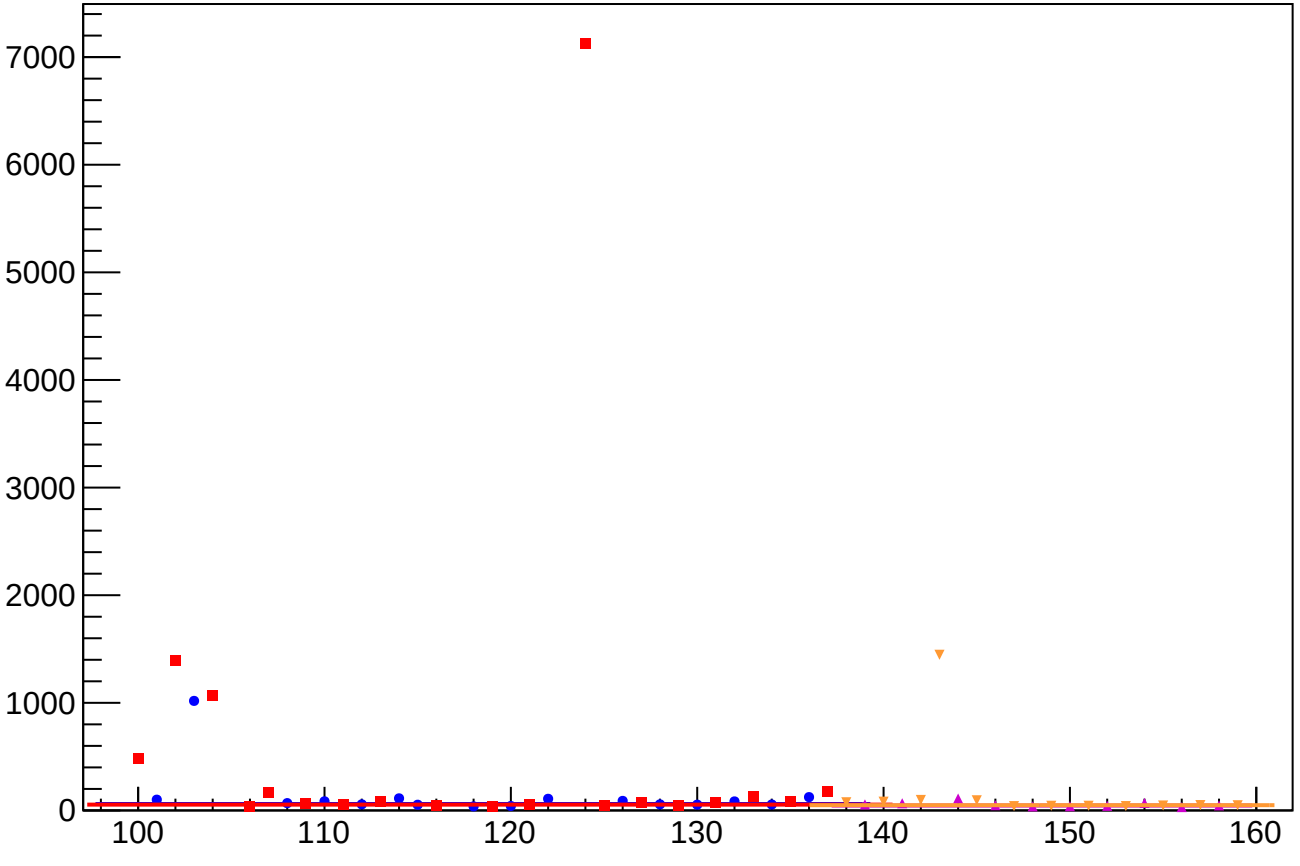
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.003+/-0.011 χ^2/NDF: 63.8/56

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: 48.941+/-0.013 χ^2/NDF:2621689.4/11

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

Left: 47.173+/-0.009 χ^2/NDF: 3983572.4/21

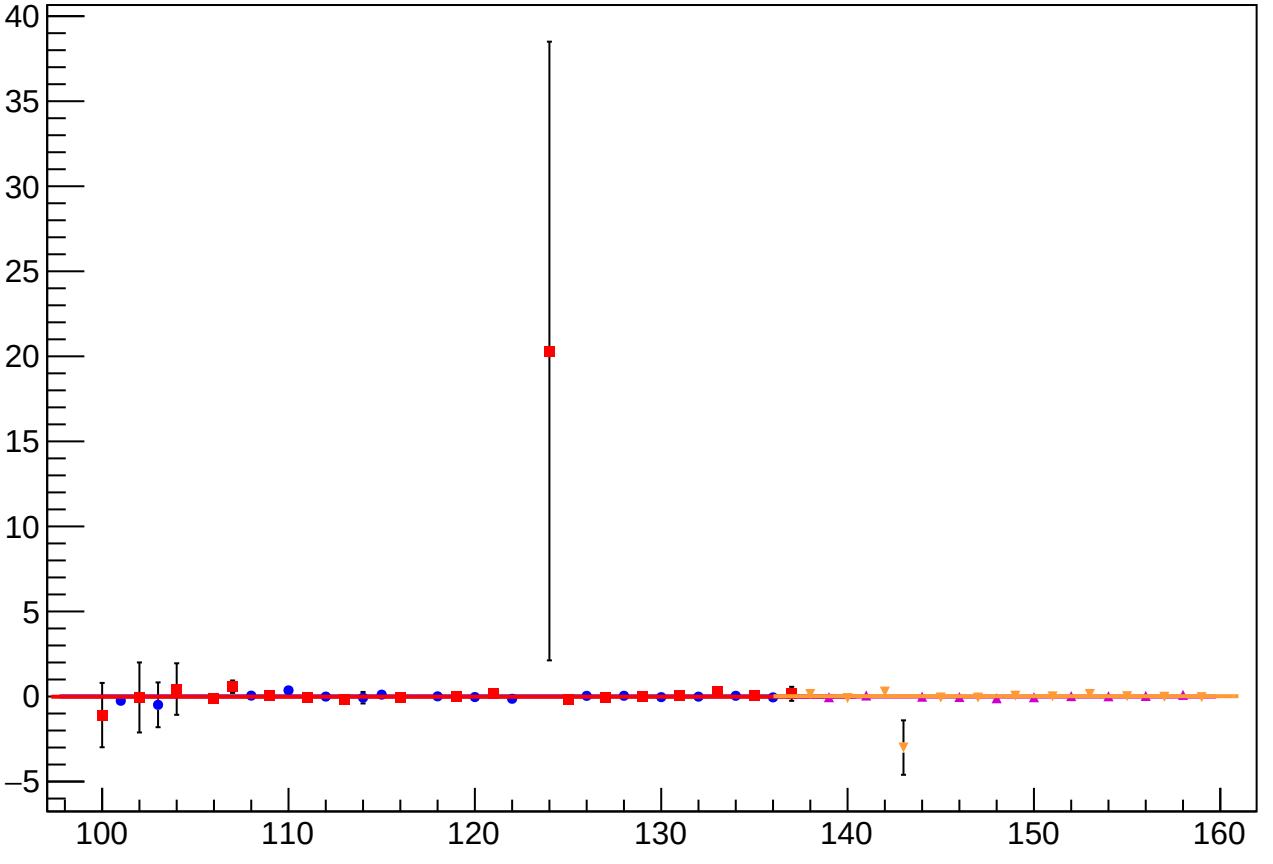
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.894+/-0.010 χ^2/NDF:4263451.2/25

Out: 50.753+/-0.011 χ^2/NDF:6199001.4/30

All: 50.312+/-0.007 χ^2/NDF: 10465782.8/56

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: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

Left: 0.006+/-0.013 χ^2/NDF: 34.3/21

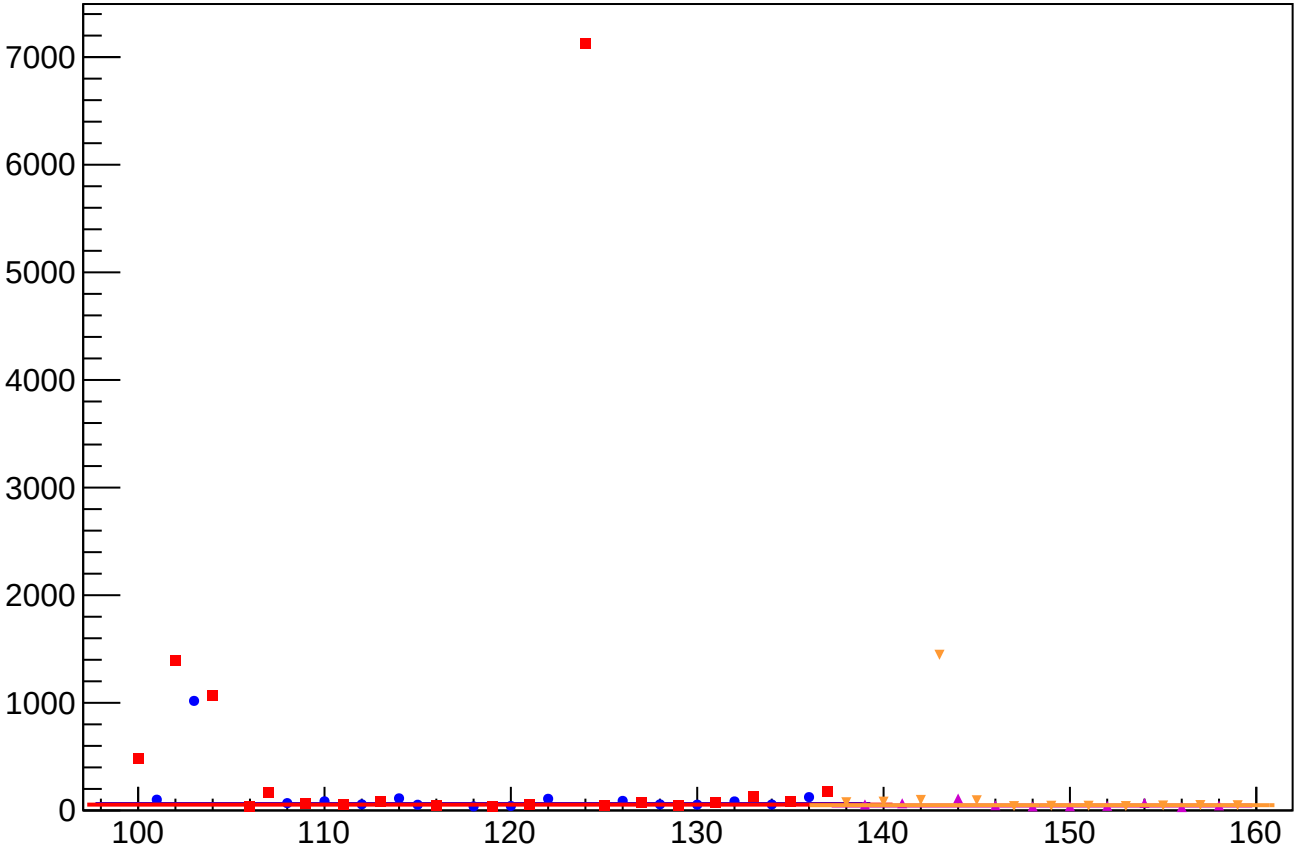
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.003+/-0.011 χ^2/NDF: 63.8/56

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: 48.941+/-0.013 χ^2/NDF:2621689.4/11

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

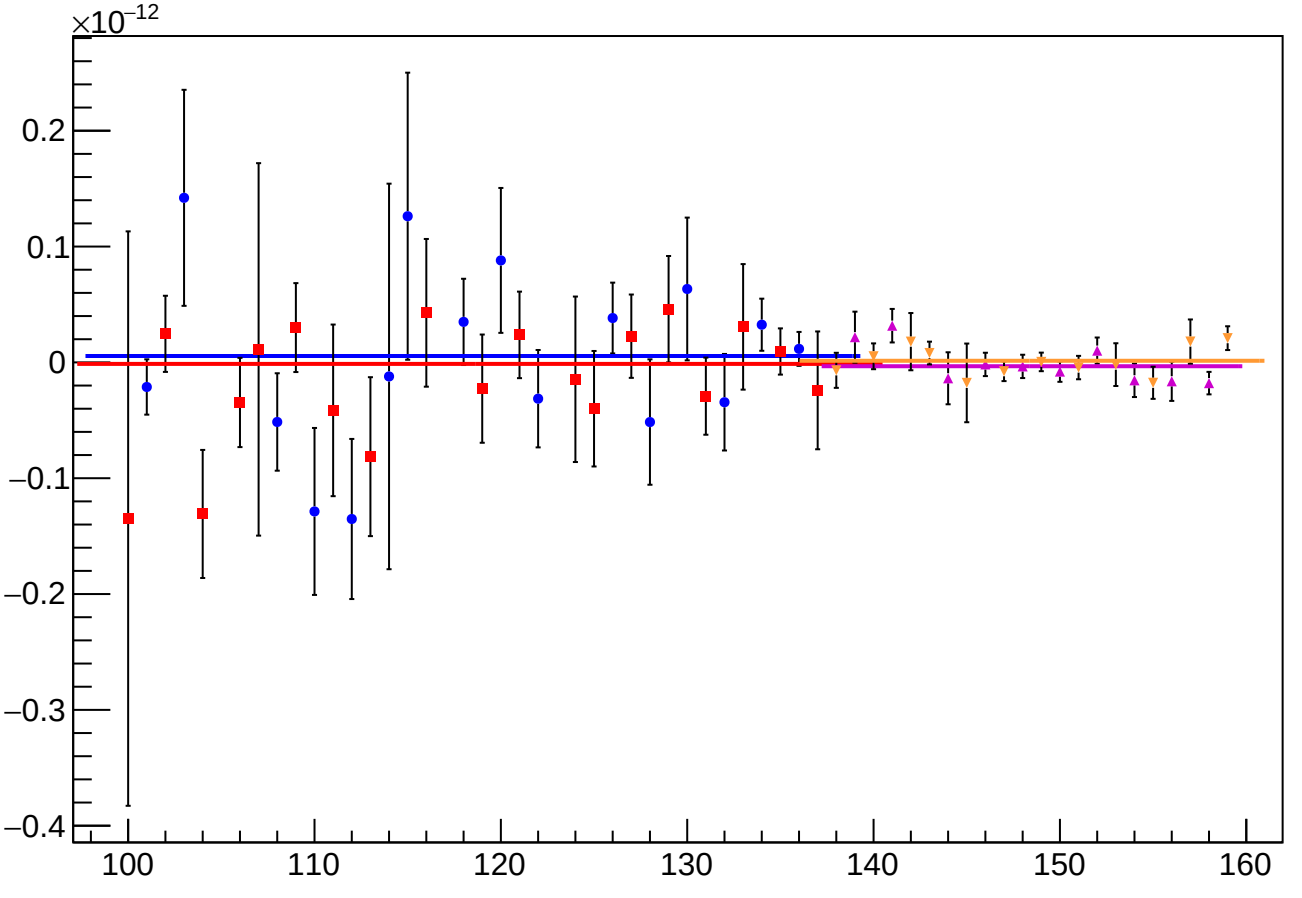
Left: 47.173+/-0.009 χ^2/NDF: 3983572.4/21

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.894+/-0.010 χ^2/NDF:4263451.2/25

Out: 50.753+/-0.011 χ^2/NDF:6199001.4/30

All: 50.312+/-0.007 χ^2/NDF: 10465782.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/11

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

Left In: -0.000+/-0.000 χ^2/NDF:12.6/9

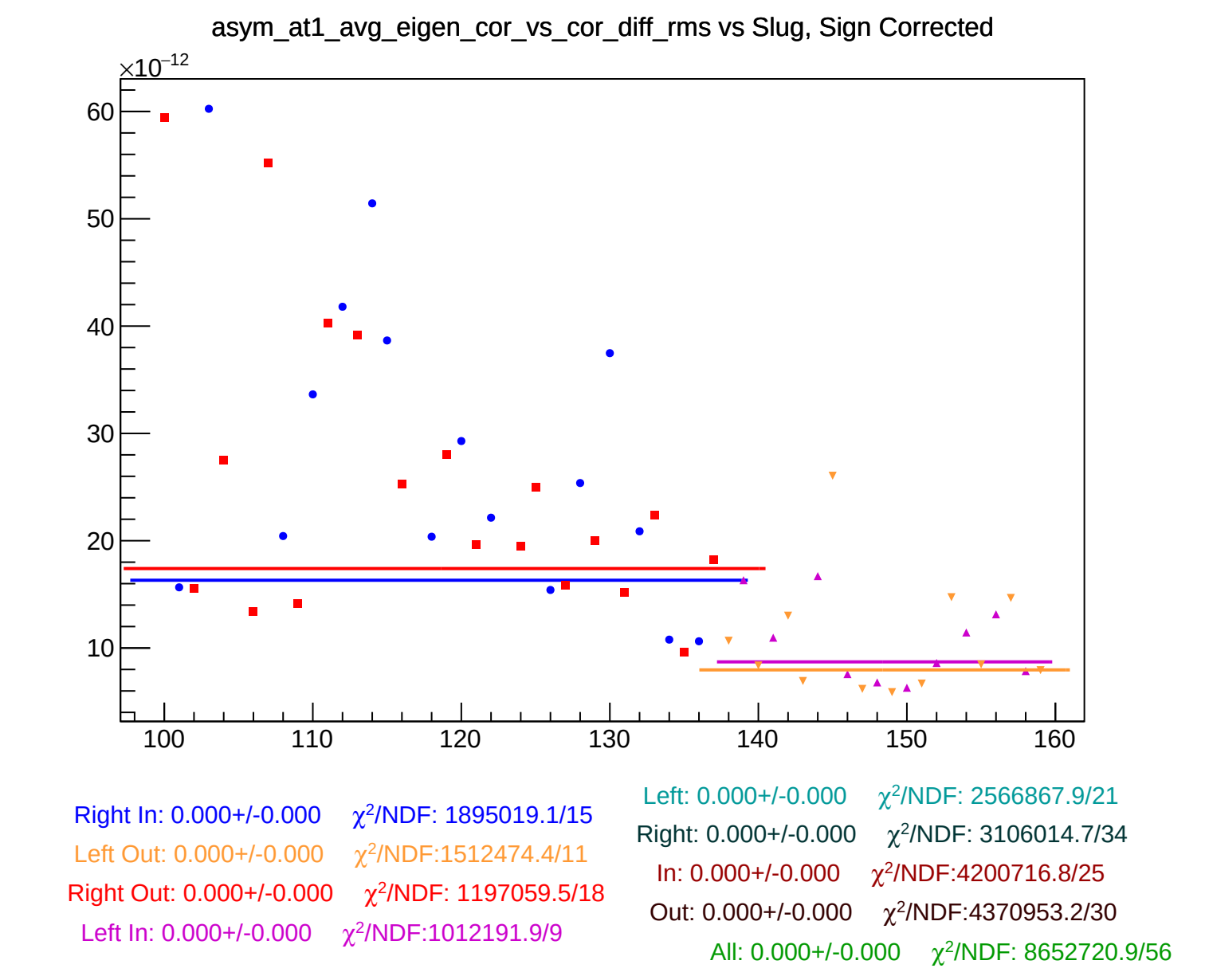
Left: -0.000+/-0.000 χ^2/NDF: 22.9/21

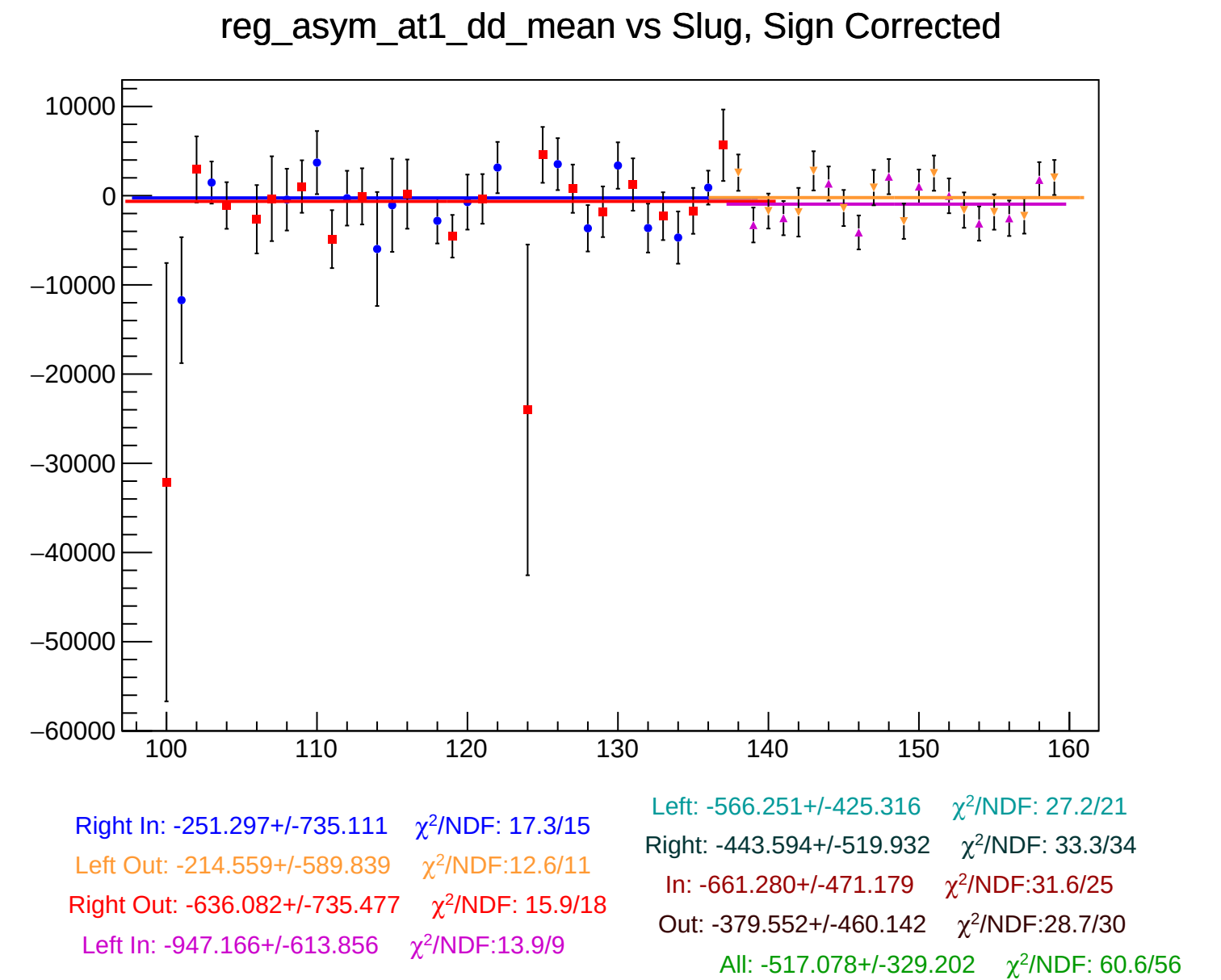
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:36.1/25

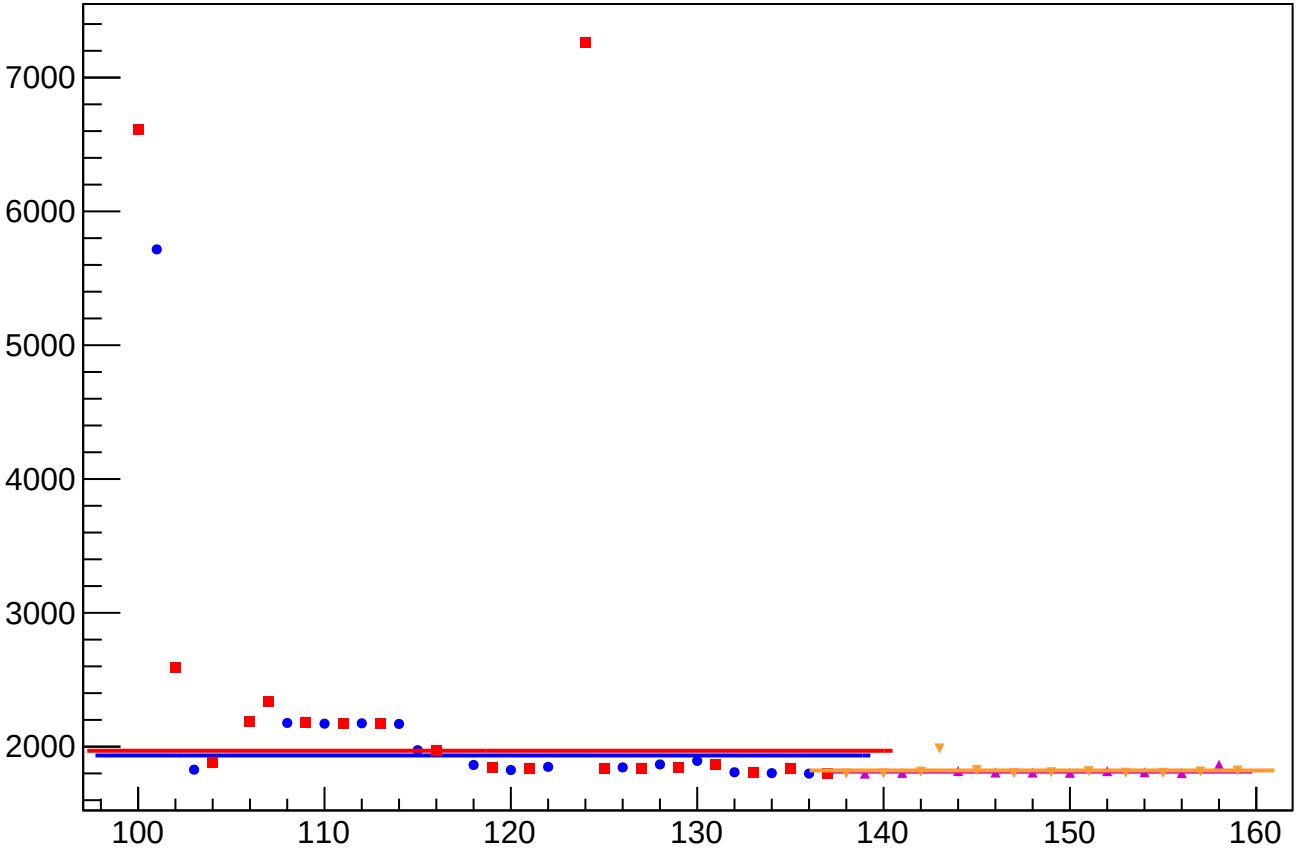
Out: 0.000+/-0.000 χ^2/NDF:23.8/30

All: -0.000+/-0.000 χ^2/NDF: 60.3/56


asym_at1_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
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1512474.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1012191.9/9
Left: 0.000+/-0.000 χ²/NDF: 2566867.9/21
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4200716.8/25
Out: 0.000+/-0.000 χ²/NDF:4370953.2/30
All: 0.000+/-0.000 χ²/NDF: 8652720.9/56


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -214.559+/-589.839 χ²/NDF:12.6/11
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -947.166+/-613.856 χ²/NDF:13.9/9
Left: -566.251+/-425.316 χ²/NDF: 27.2/21
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -661.280+/-471.179 χ²/NDF:31.6/25
Out: -379.552+/-460.142 χ²/NDF:28.7/30
All: -517.078+/-329.202 χ²/NDF: 60.6/56

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1822.191+/-0.417 χ^2/NDF:12299.3/11

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

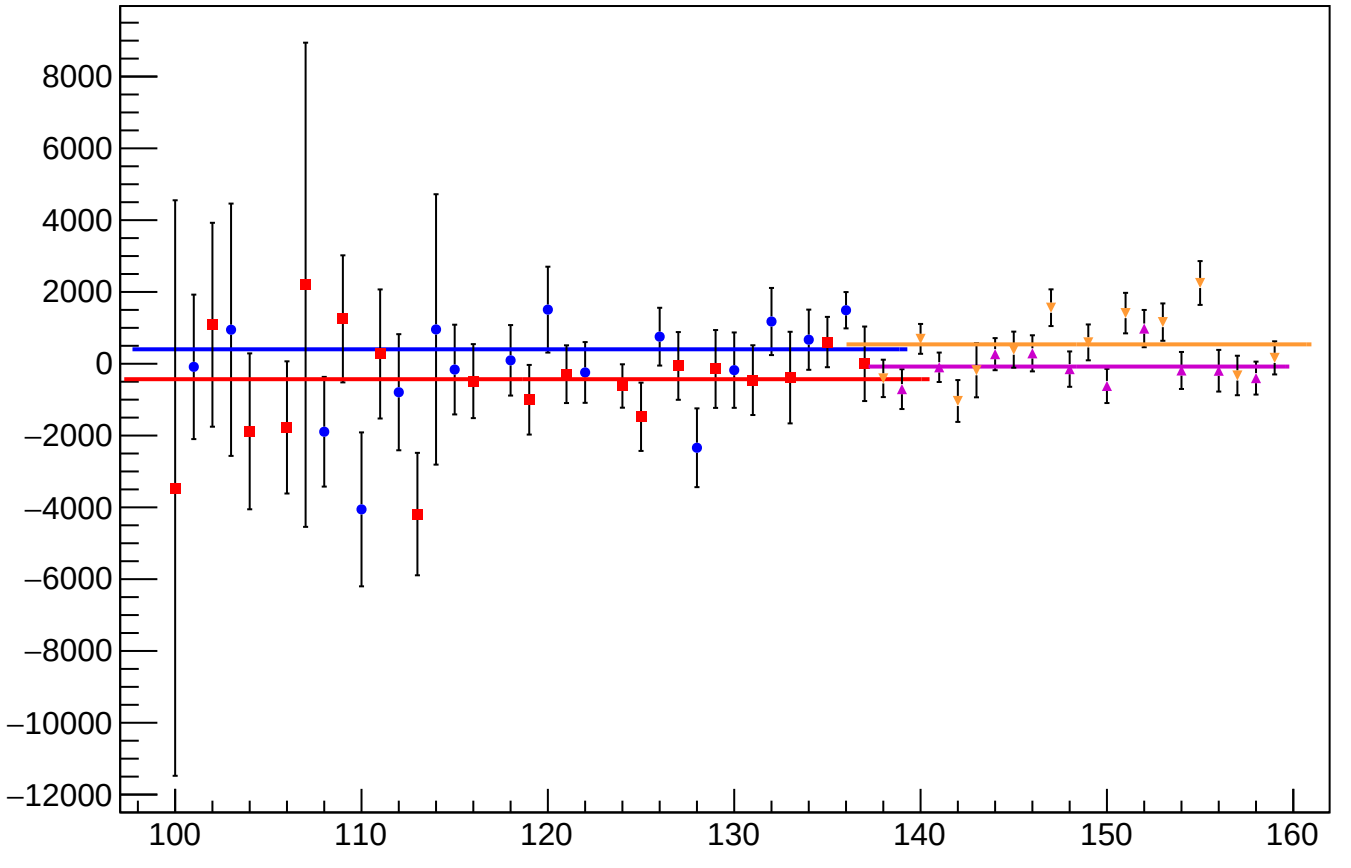
Left: 1817.856+/-0.301 χ^2/NDF: 14225.9/21

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1862.894+/-0.333 χ^2/NDF:673576.6/25

Out: 1879.735+/-0.325 χ^2/NDF:439310.0/30

All: 1871.514+/-0.233 χ^2/NDF: 1114194.4/56



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 540.097+/-151.630 χ^2/NDF:30.6/11

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -78.318+/-154.490 χ^2/NDF:8.5/9

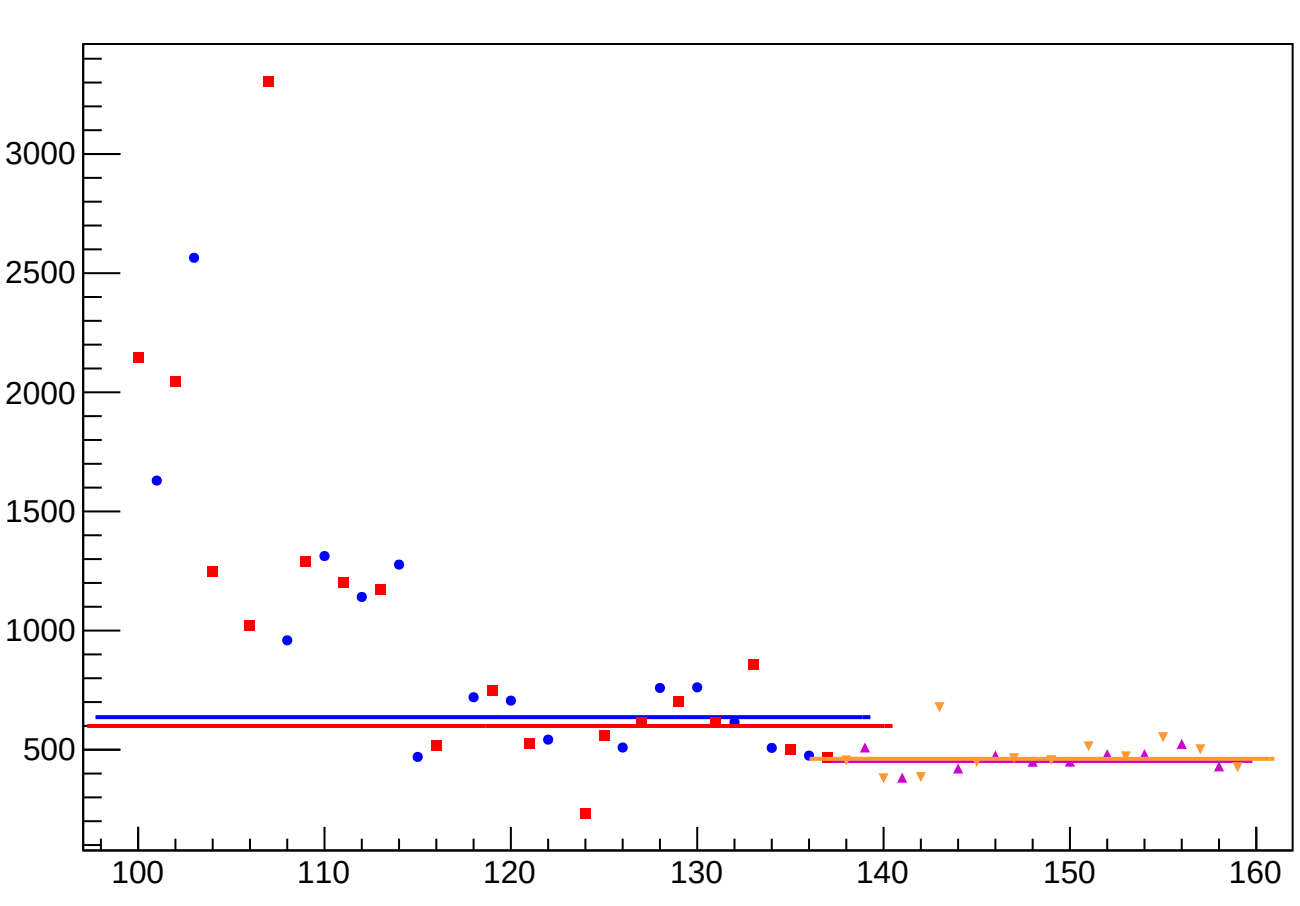
Left: 236.668+/-108.216 χ^2/NDF: 47.2/21

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 48.201+/-132.622 χ^2/NDF:32.1/25

Out: 283.449+/-130.036 χ^2/NDF:53.1/30

All: 168.141+/-92.850 χ^2/NDF: 86.9/56



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 461.759+/-0.107 χ^2/NDF:363791.3/11

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 452.837+/-0.109 χ^2/NDF:141547.3/9

Left: 457.381+/-0.077 χ^2/NDF: 508735.9/21

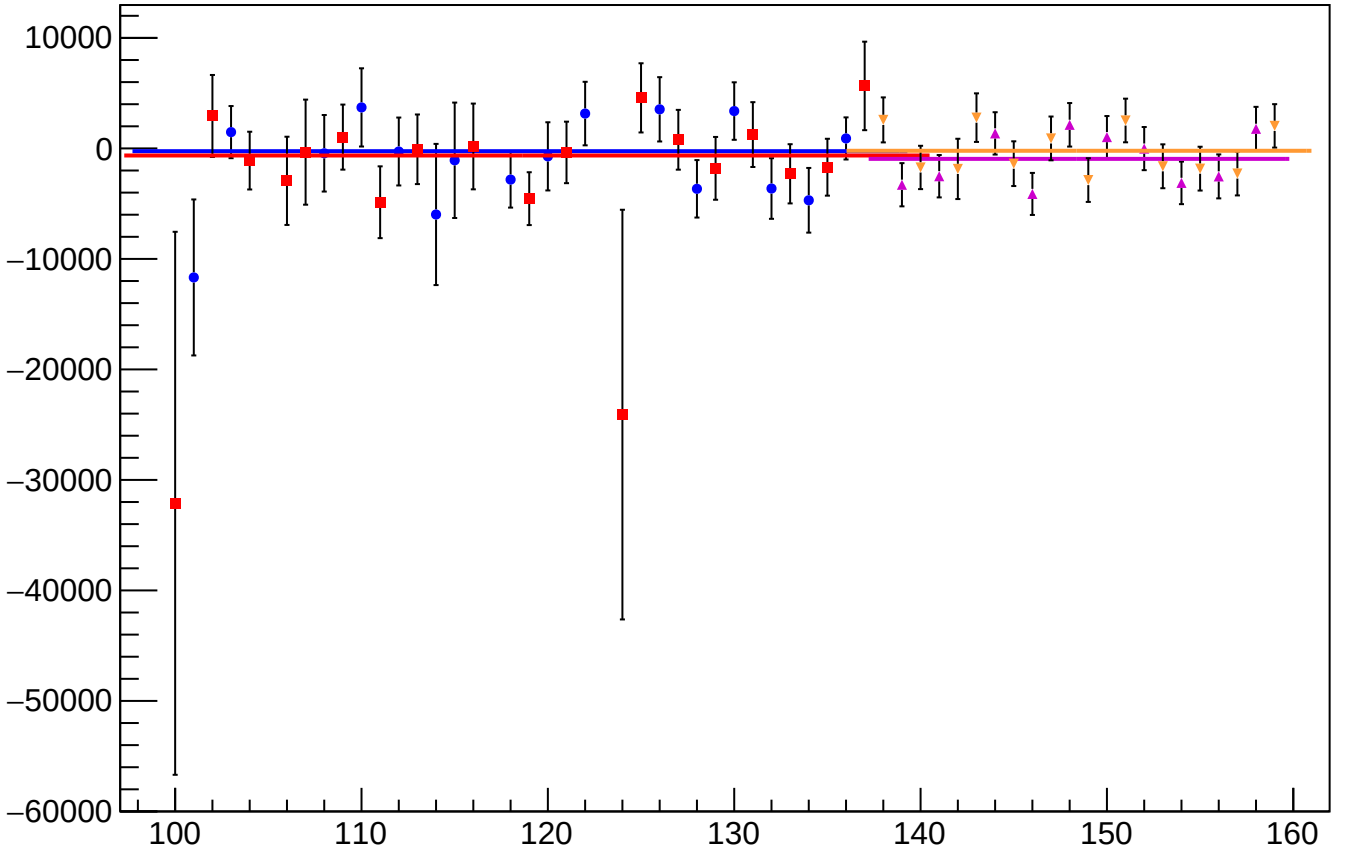
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 501.205+/-0.094 χ^2/NDF:2953647.1/25

Out: 498.232+/-0.092 χ^2/NDF:3745322.1/30

All: 499.689+/-0.066 χ^2/NDF: 6699481.7/56

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -214.634+/-589.839 χ^2/NDF:12.6/11

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -947.114+/-613.856 χ^2/NDF:13.9/9

Left: -566.264+/-425.316 χ^2/NDF: 27.2/21

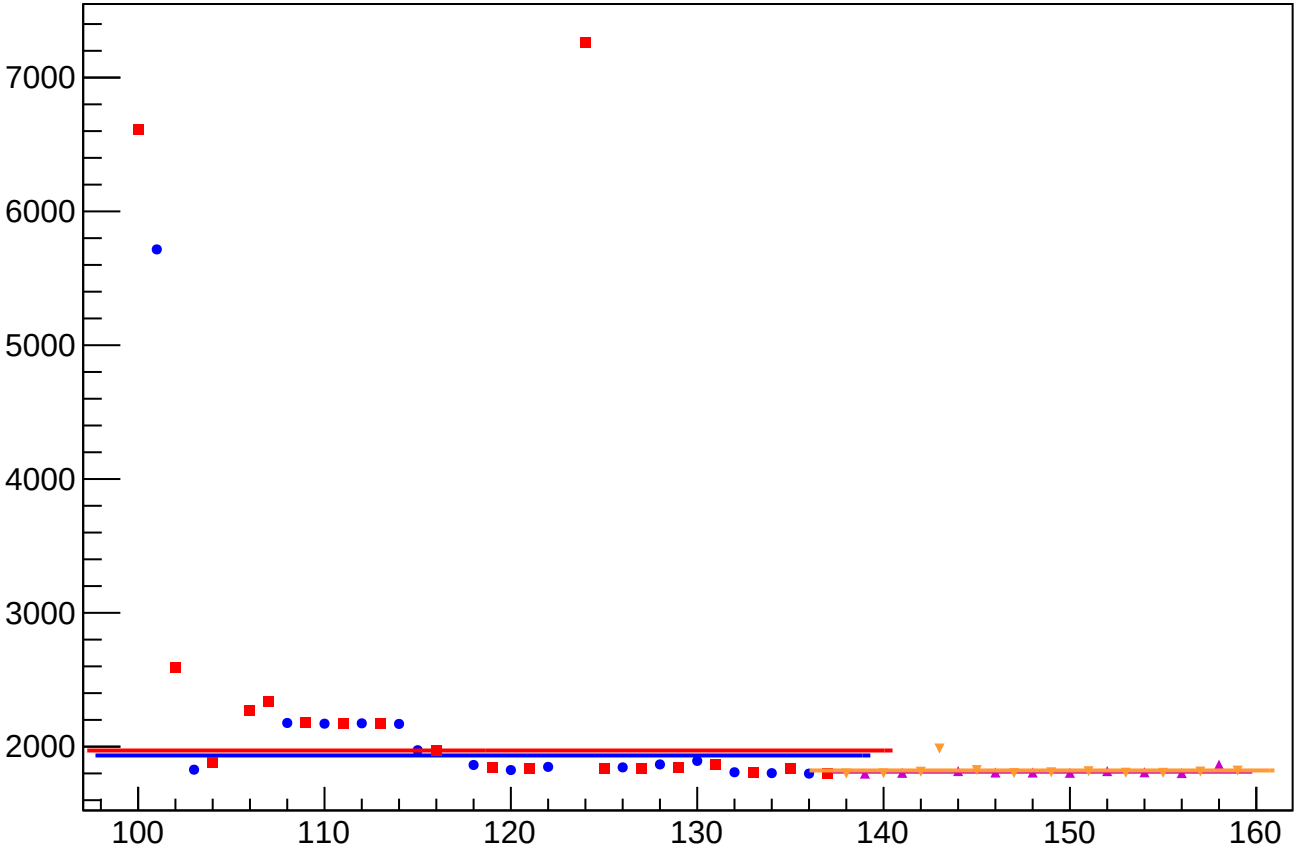
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -660.917+/-471.179 χ^2/NDF:31.6/25

Out: -381.174+/-460.404 χ^2/NDF:28.8/30

All: -517.810+/-329.298 χ^2/NDF: 60.6/56

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.191+/-0.417 χ^2/NDF:12299.3/11

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

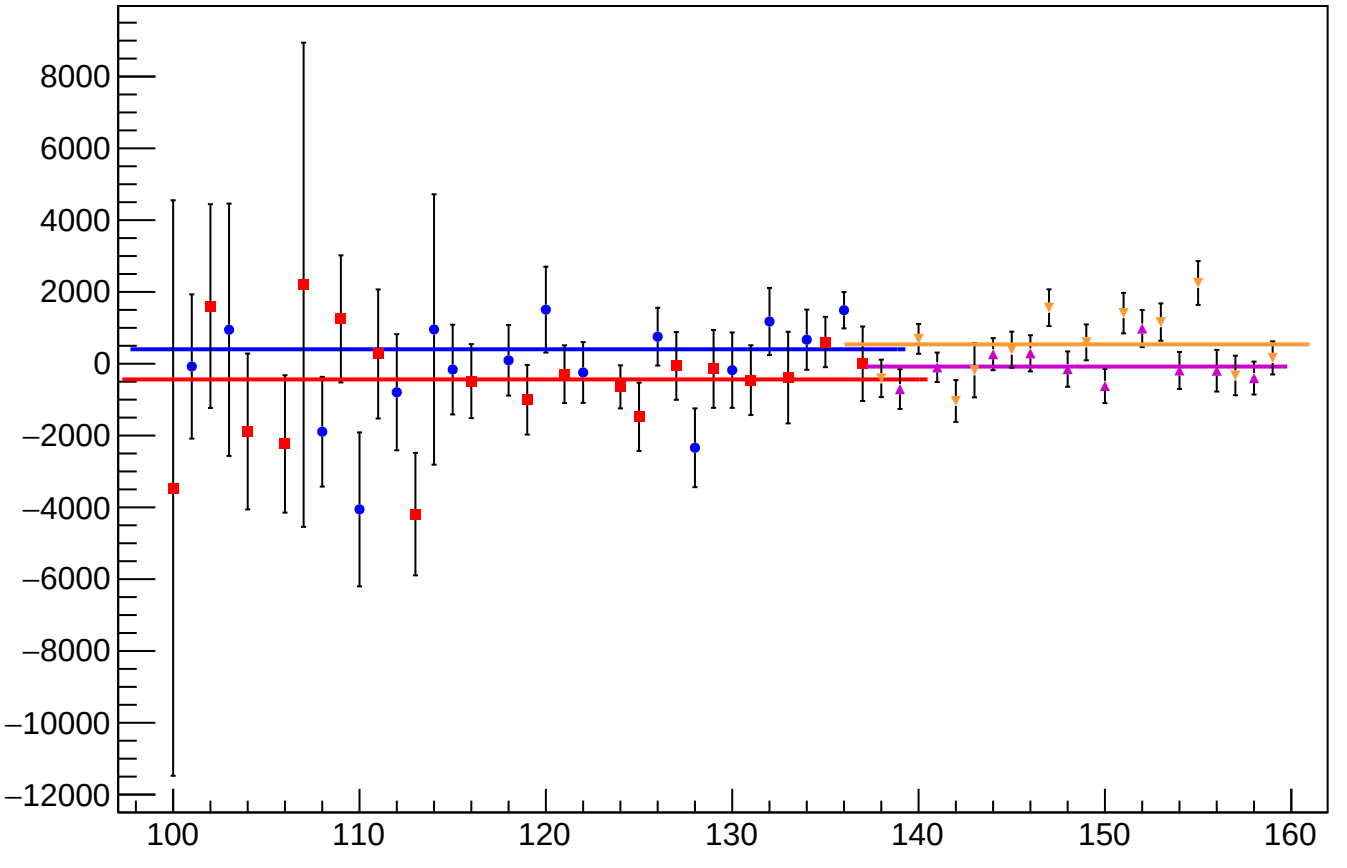
Left: 1817.856+/-0.301 χ^2/NDF: 14225.9/21

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1862.894+/-0.333 χ^2/NDF:673576.5/25

Out: 1880.475+/-0.326 χ^2/NDF:445453.7/30

All: 1871.888+/-0.233 χ^2/NDF: 1120454.5/56



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 539.988+/-151.630 χ^2/NDF:30.6/11

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -78.304+/-154.489 χ^2/NDF:8.5/9

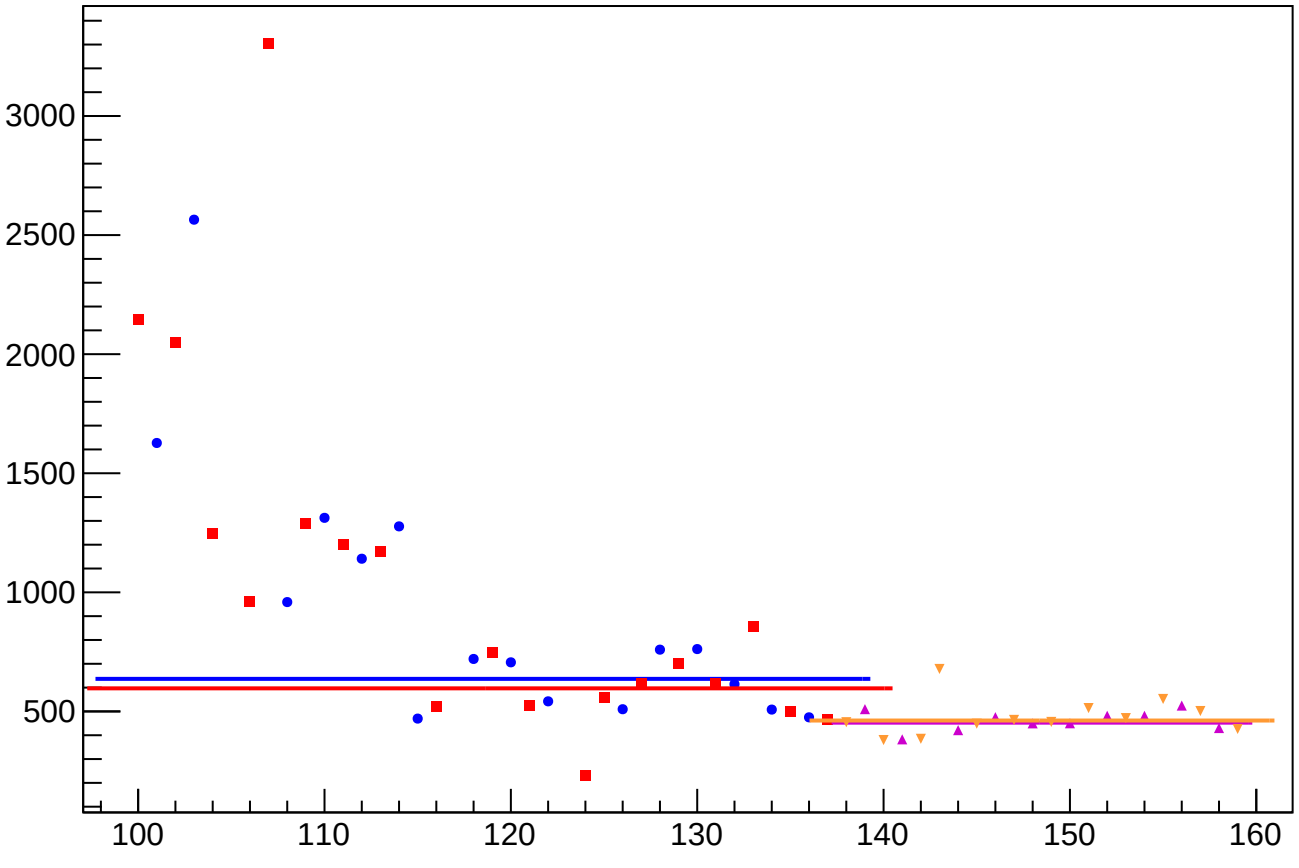
Left: 236.616+/-108.215 χ^2/NDF: 47.2/21

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 48.238+/-132.620 χ^2/NDF:32.1/25

Out: 281.387+/-130.016 χ^2/NDF:53.9/30

All: 167.124+/-92.842 χ^2/NDF: 87.6/56



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 461.762+/-0.107 χ^2/NDF:363739.1/11

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

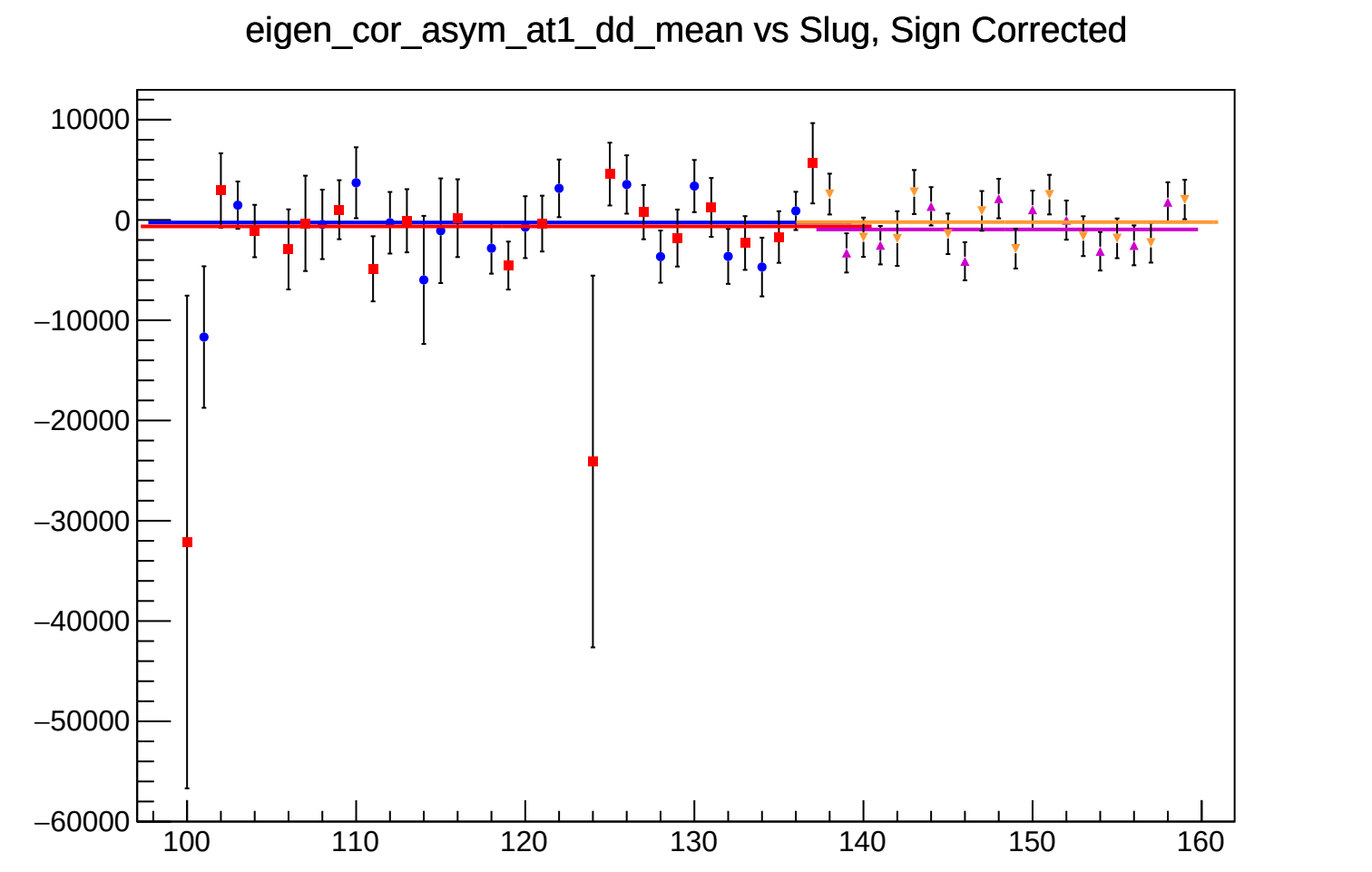
Left: 457.381+/-0.077 χ^2/NDF: 508692.7/21

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 501.204+/-0.094 χ^2/NDF:2952843.4/25

Out: 497.533+/-0.092 χ^2/NDF:3714567.6/30

All: 499.332+/-0.066 χ^2/NDF: 6668192.5/56



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -214.634+/-589.839 χ^2/NDF:12.6/11

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -947.114+/-613.856 χ^2/NDF:13.9/9

Left: -566.264+/-425.316 χ^2/NDF: 27.2/21

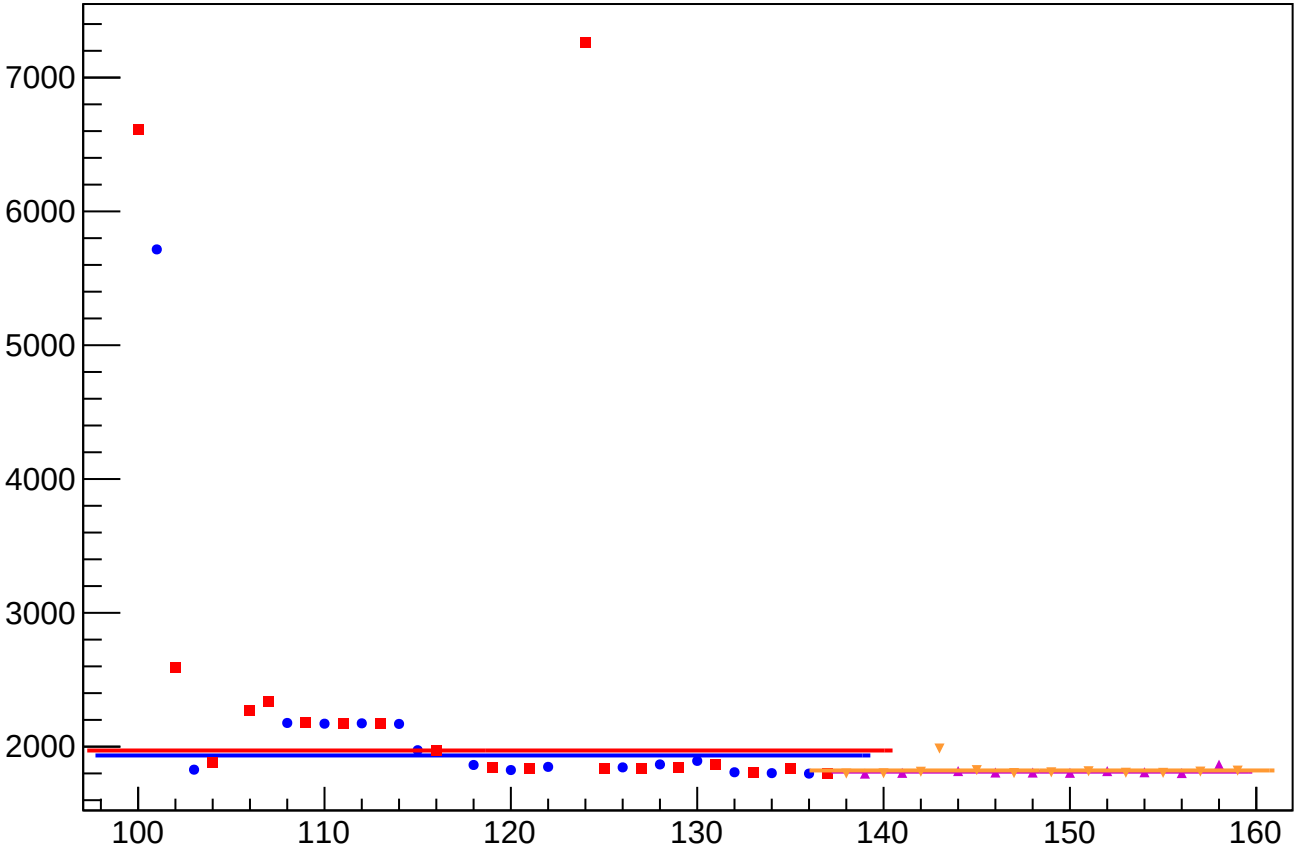
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -660.917+/-471.179 χ^2/NDF:31.6/25

Out: -381.174+/-460.404 χ^2/NDF:28.8/30

All: -517.810+/-329.298 χ^2/NDF: 60.6/56

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.191+/-0.417 χ^2/NDF:12299.3/11

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

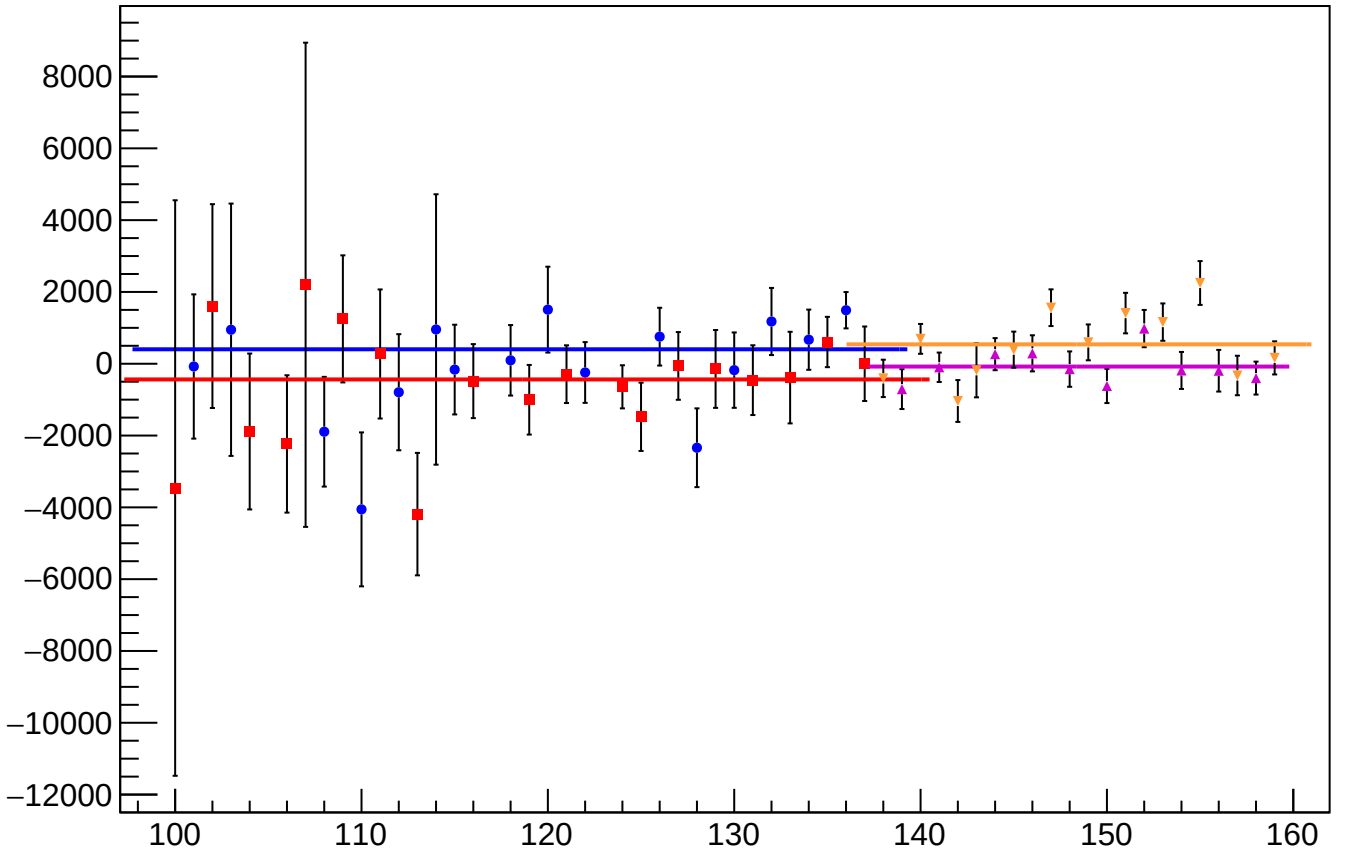
Left: 1817.856+/-0.301 χ^2/NDF: 14225.9/21

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1862.894+/-0.333 χ^2/NDF:673576.5/25

Out: 1880.475+/-0.326 χ^2/NDF:445453.7/30

All: 1871.888+/-0.233 χ^2/NDF: 1120454.5/56



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 539.988+/-151.630 χ^2/NDF:30.6/11

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -78.304+/-154.489 χ^2/NDF:8.5/9

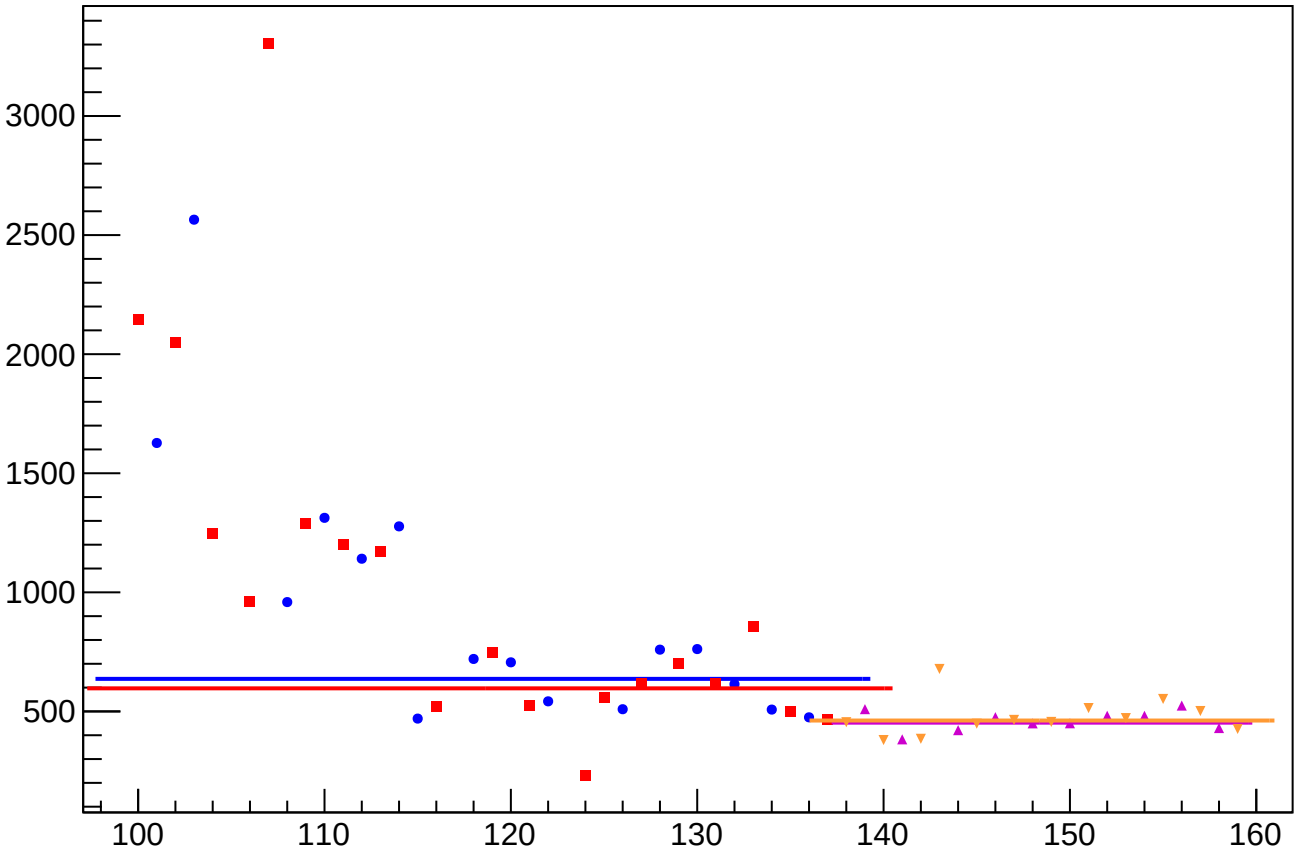
Left: 236.616+/-108.215 χ^2/NDF: 47.2/21

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 48.238+/-132.620 χ^2/NDF:32.1/25

Out: 281.387+/-130.016 χ^2/NDF:53.9/30

All: 167.124+/-92.842 χ^2/NDF: 87.6/56



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 461.762+/-0.107 χ^2/NDF:363739.1/11

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

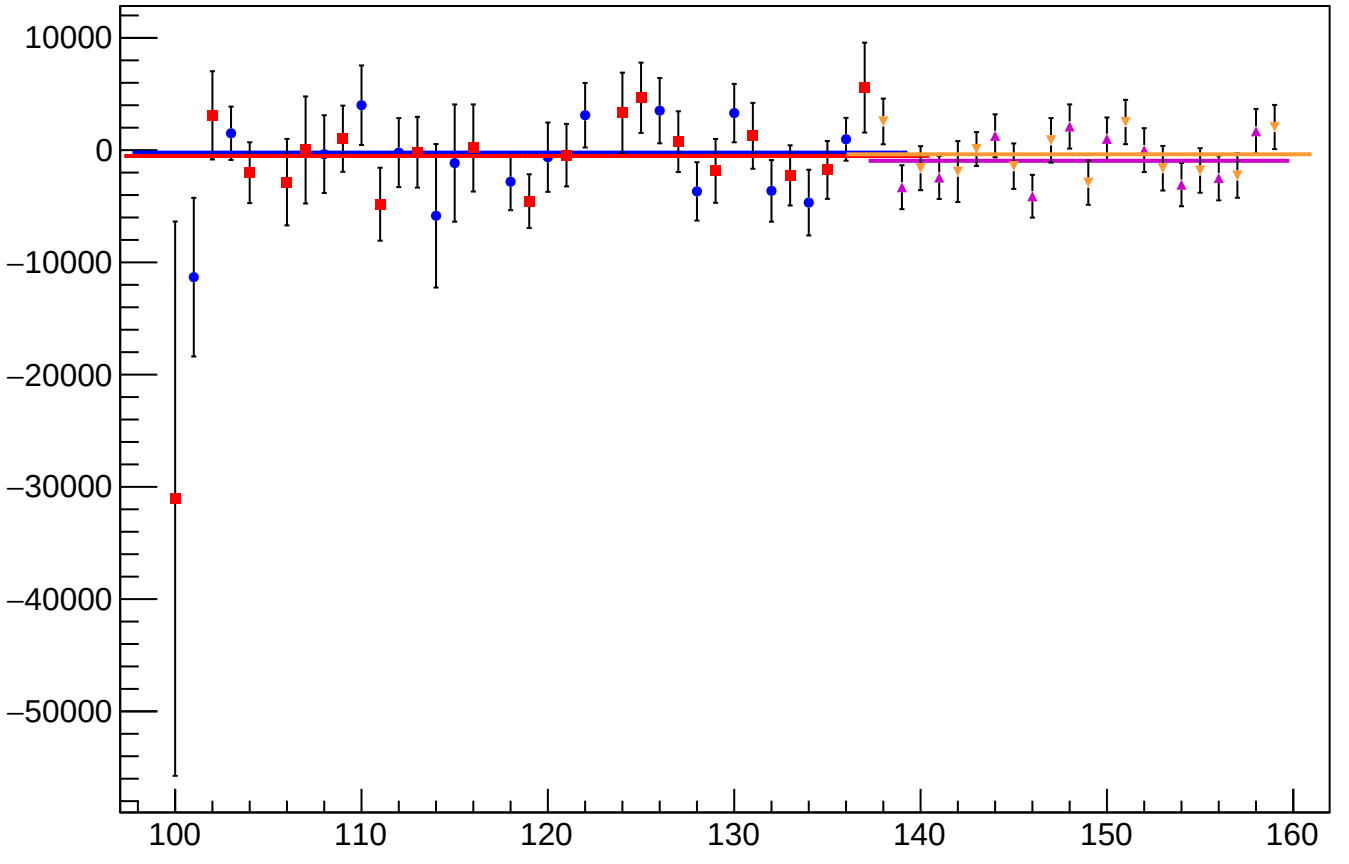
Left: 457.381+/-0.077 χ^2/NDF: 508692.7/21

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 501.204+/-0.094 χ^2/NDF:2952843.4/25

Out: 497.533+/-0.092 χ^2/NDF:3714567.6/30

All: 499.332+/-0.066 χ^2/NDF: 6668192.5/56



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -369.376+/-567.462 χ^2/NDF:10.6/11

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -949.547+/-614.058 χ^2/NDF:13.4/9

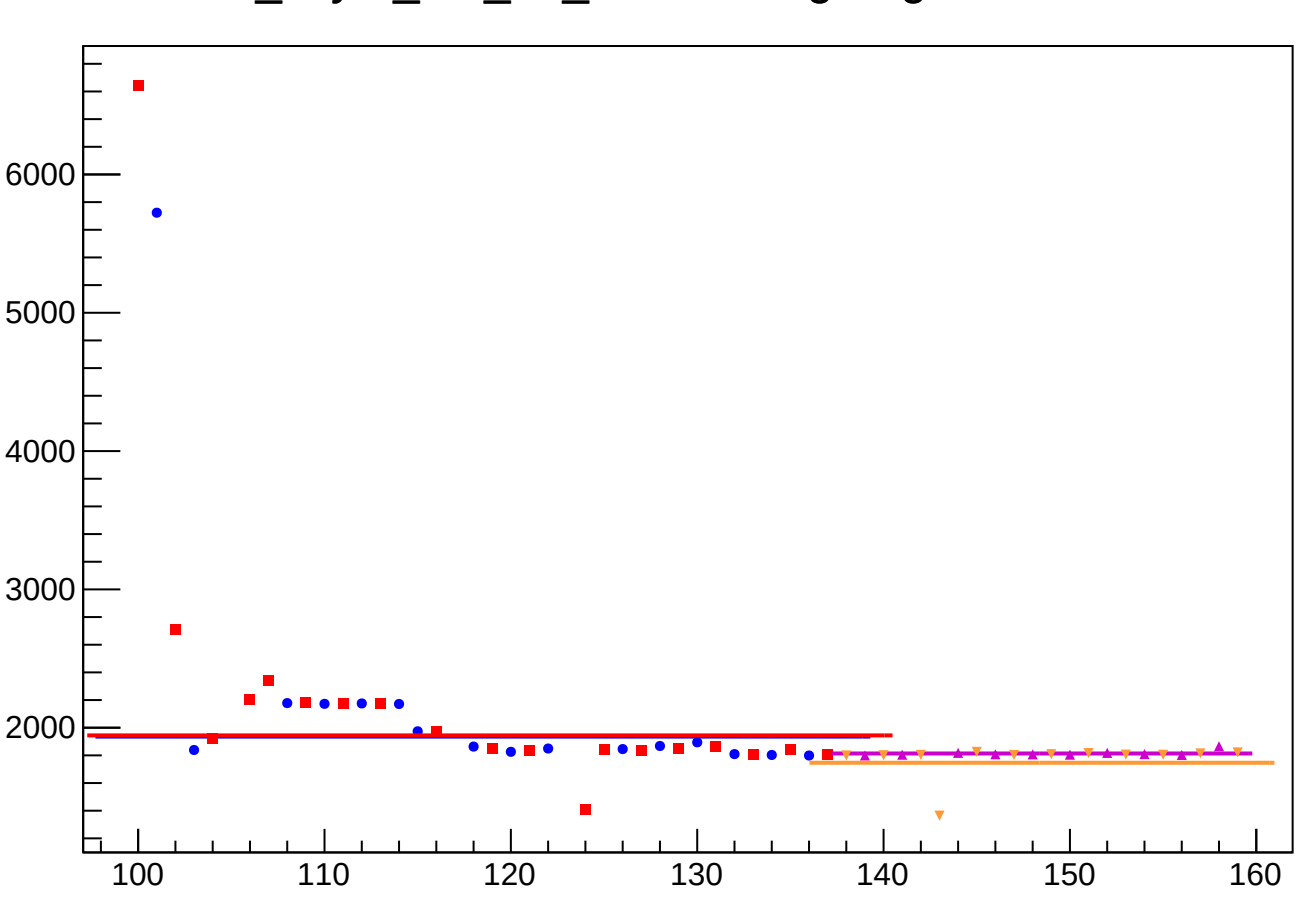
Left: -636.617+/-416.757 χ^2/NDF: 24.5/21

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -650.243+/-471.475 χ^2/NDF:31.1/25

Out: -426.700+/-446.853 χ^2/NDF:26.3/30

All: -532.482+/-324.328 χ^2/NDF: 57.5/56



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1746.688+/-0.401 χ^2/NDF:149782.9/11

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

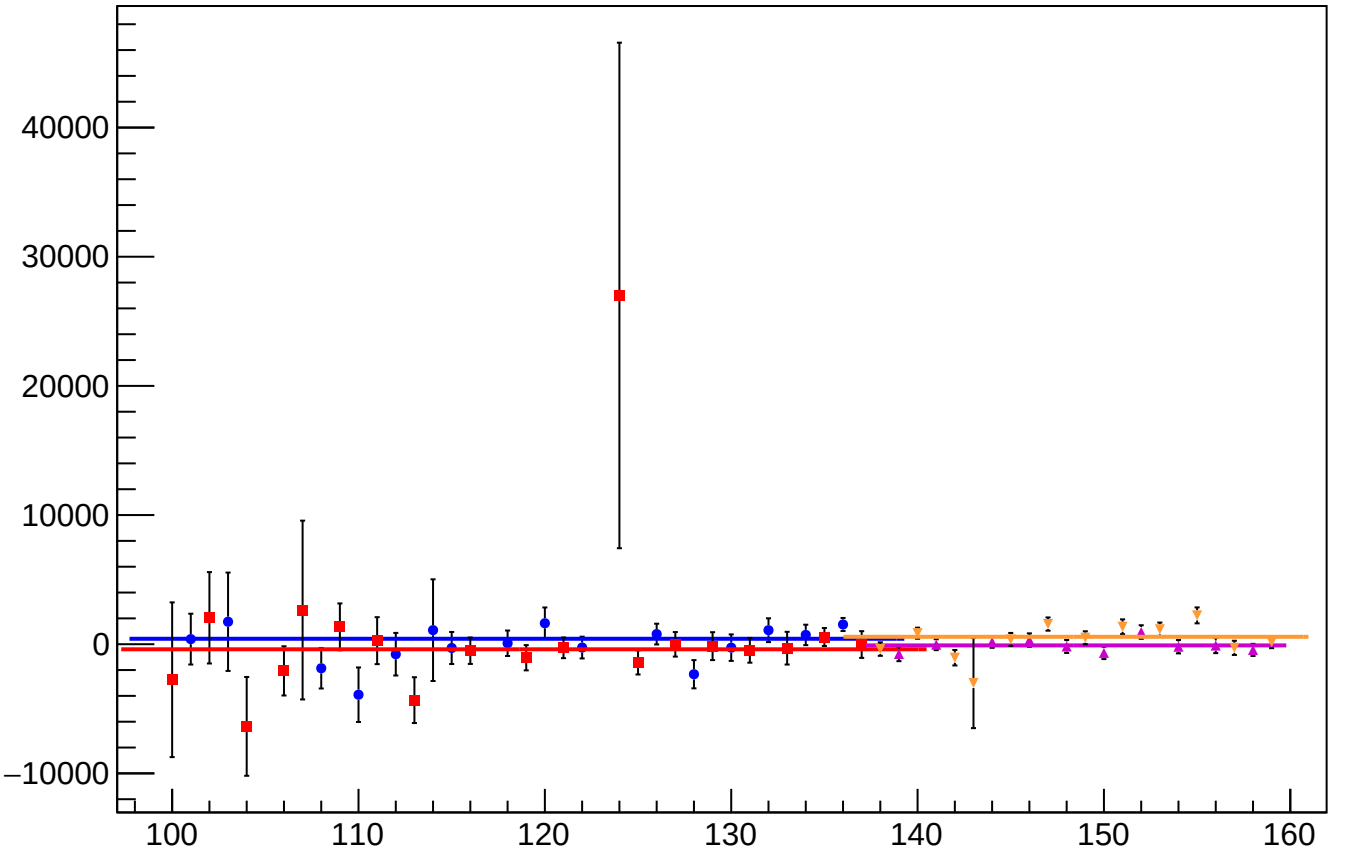
Left: 1777.580+/-0.295 χ^2/NDF: 164348.7/21

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1863.924+/-0.333 χ^2/NDF:674027.9/25

Out: 1821.836+/-0.316 χ^2/NDF:518331.6/30

All: 1841.752+/-0.229 χ^2/NDF: 1200755.2/56



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 574.609+/-156.538 χ^2/NDF:29.5/11

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -92.364+/-157.400 χ^2/NDF:8.3/9

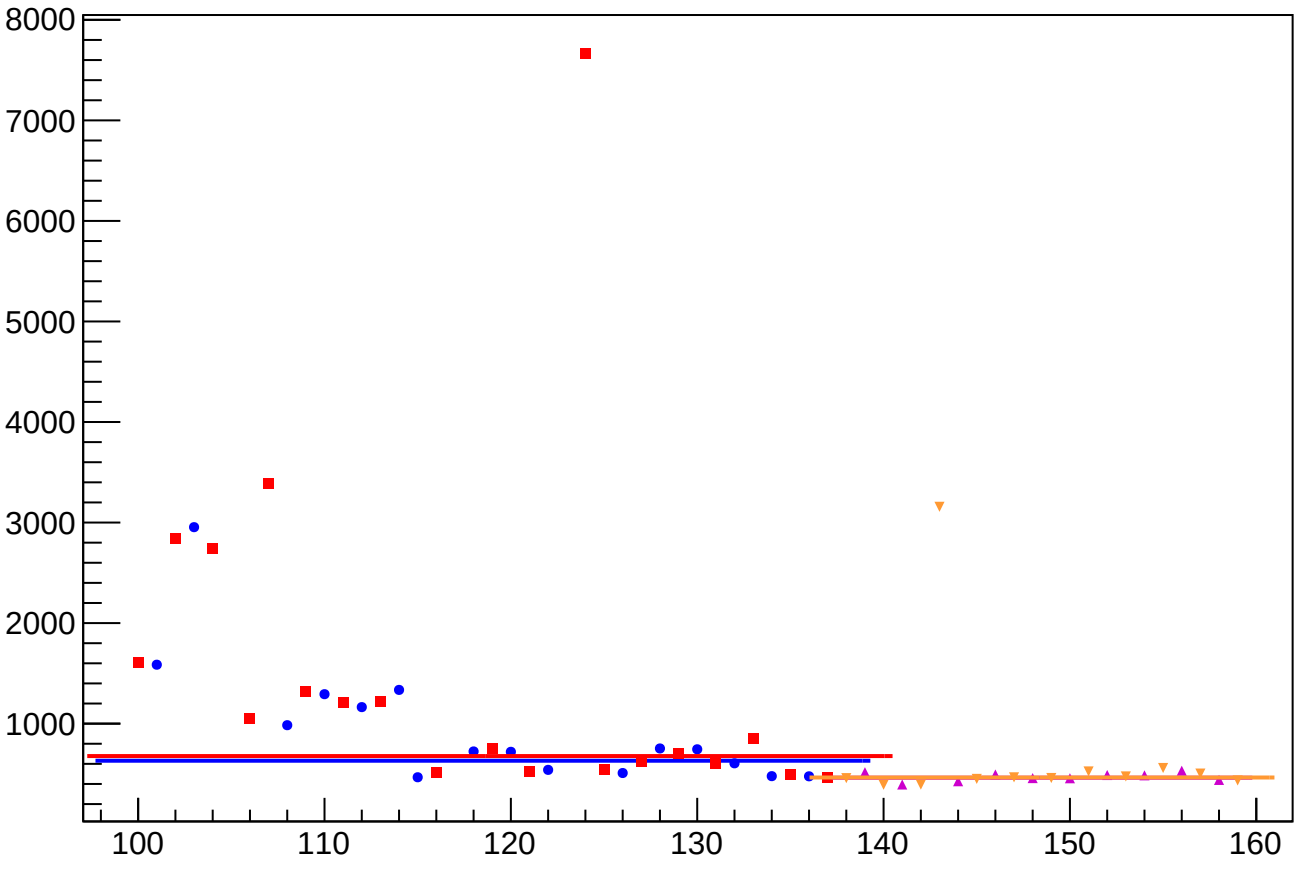
Left: 242.952+/-110.993 χ^2/NDF: 46.8/21

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 47.908+/-134.191 χ^2/NDF:32.7/25

Out: 343.505+/-136.584 χ^2/NDF:54.4/30

All: 193.094+/-95.722 χ^2/NDF: 89.5/56



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 464.274+/-0.111 χ^2/NDF:1361946.2/11

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 461.943+/-0.111 χ^2/NDF:131422.4/9

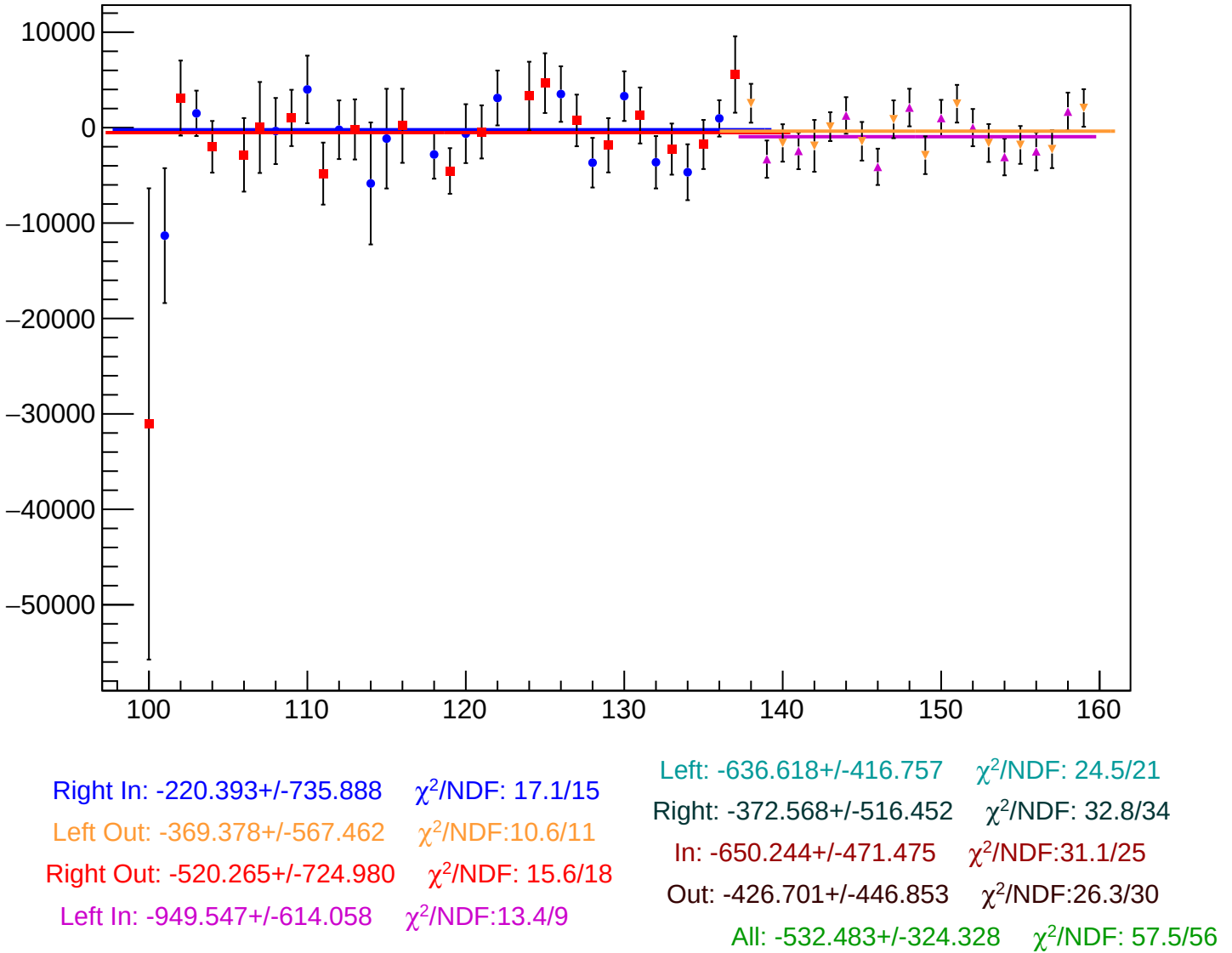
Left: 463.115+/-0.078 χ^2/NDF: 1493588.9/21

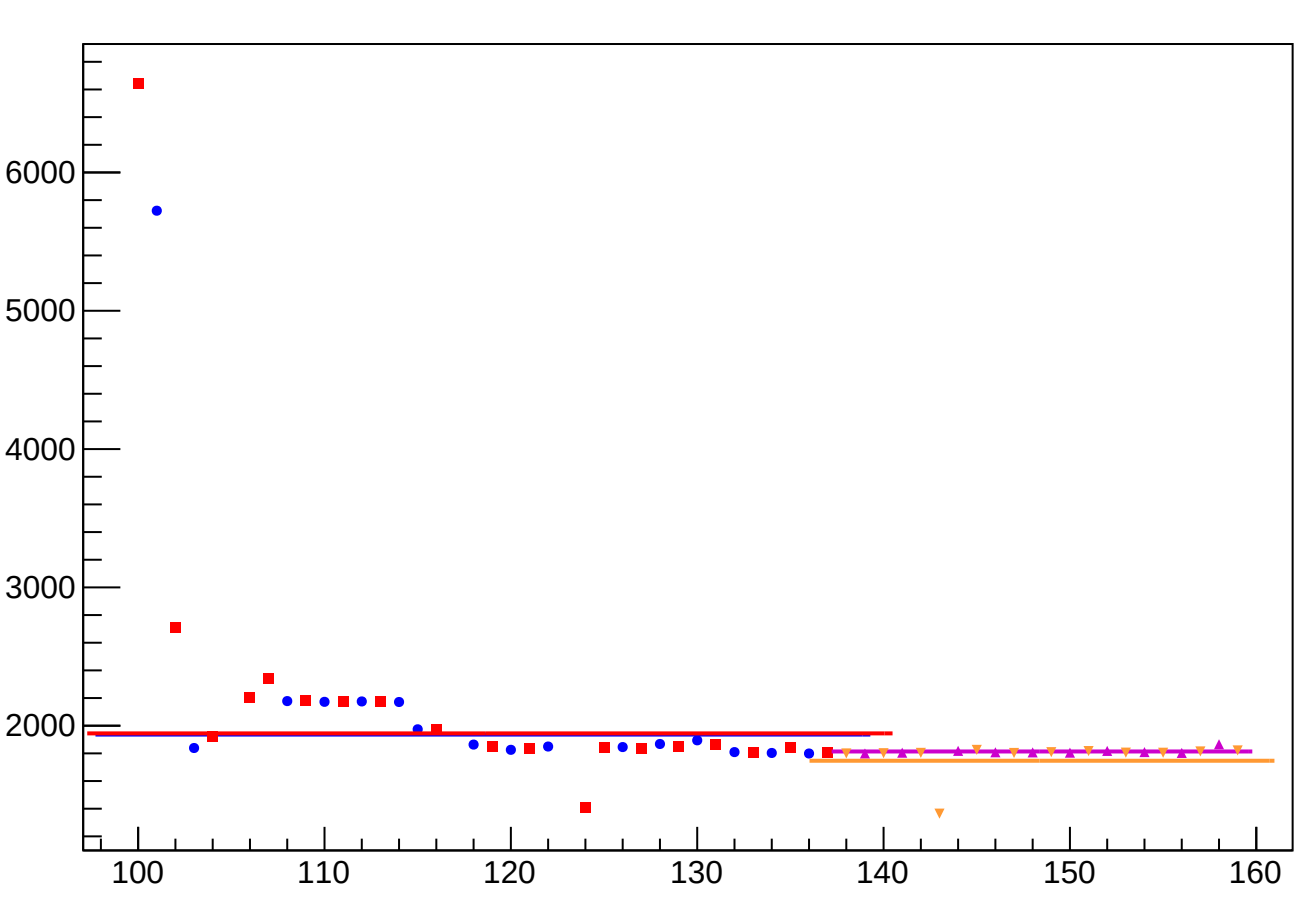
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 508.162+/-0.095 χ^2/NDF:2997192.0/25

Out: 515.155+/-0.097 χ^2/NDF:5328751.5/30

All: 511.597+/-0.068 χ^2/NDF: 8328611.1/56


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -369.378+/-567.462 χ²/NDF:10.6/11
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -949.547+/-614.058 χ²/NDF:13.4/9
Left: -636.618+/-416.757 χ²/NDF: 24.5/21
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -650.244+/-471.475 χ²/NDF:31.1/25
Out: -426.701+/-446.853 χ²/NDF:26.3/30
All: -532.483+/-324.328 χ²/NDF: 57.5/56



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1746.688+/-0.401 χ^2/NDF:149782.9/11

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

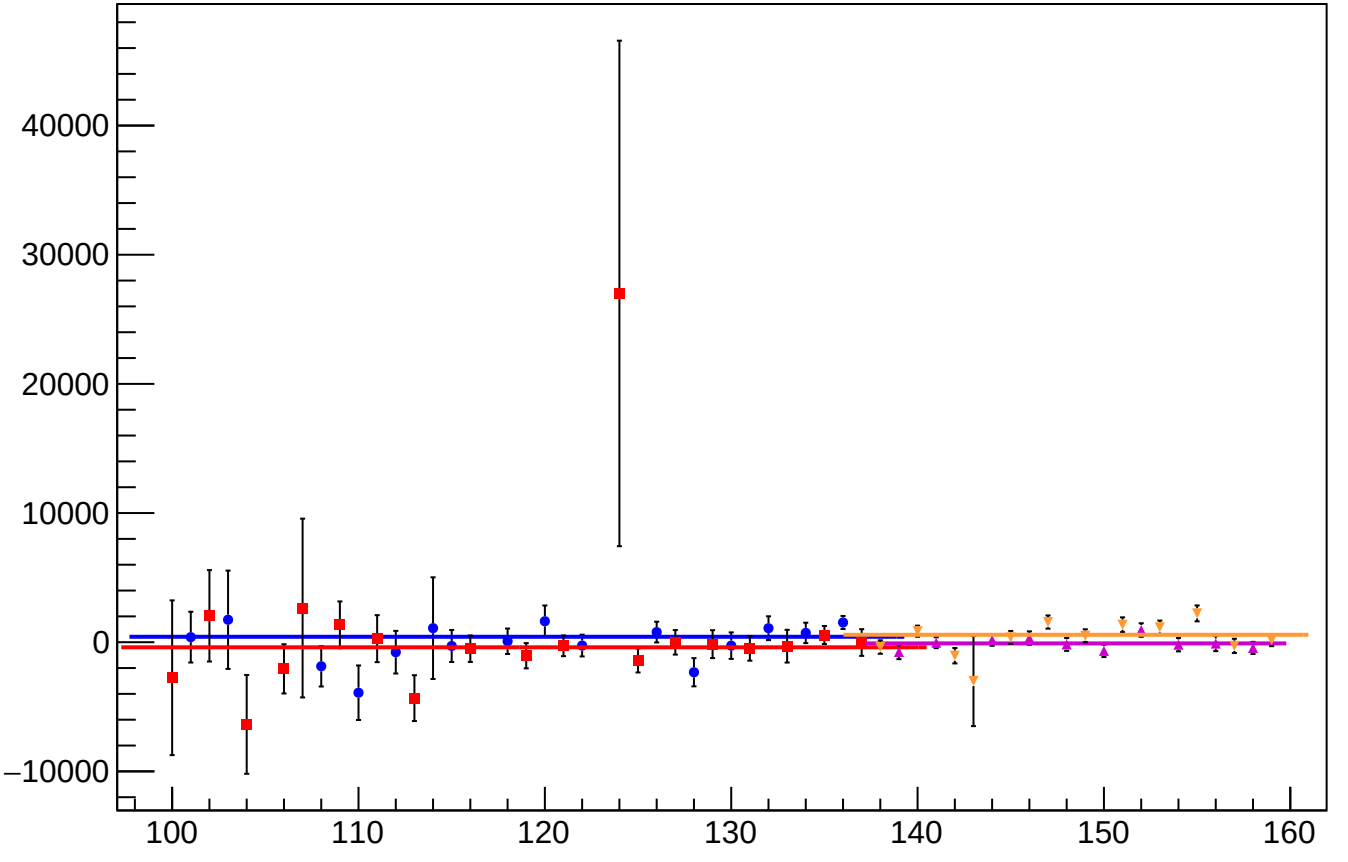
Left: 1777.580+/-0.295 χ^2/NDF: 164348.7/21

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1863.924+/-0.333 χ^2/NDF:674027.9/25

Out: 1821.836+/-0.316 χ^2/NDF:518331.4/30

All: 1841.752+/-0.229 χ^2/NDF: 1200755.0/56



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 574.607+/-156.538 χ^2/NDF:29.5/11

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -92.364+/-157.400 χ^2/NDF:8.3/9

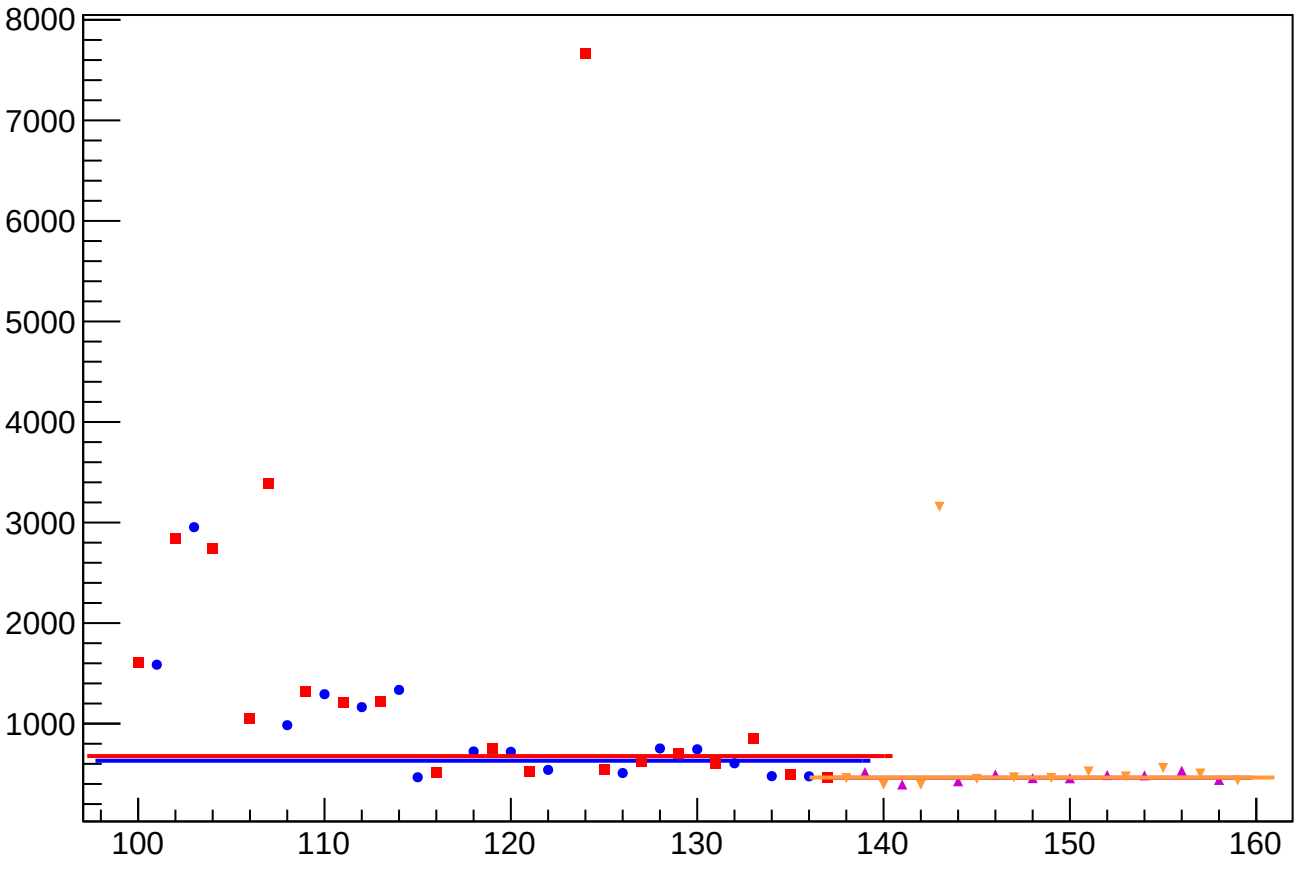
Left: 242.952+/-110.993 χ^2/NDF: 46.8/21

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 47.909+/-134.190 χ^2/NDF:32.7/25

Out: 343.504+/-136.584 χ^2/NDF:54.4/30

All: 193.093+/-95.722 χ^2/NDF: 89.5/56



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 464.273+/-0.111 χ^2/NDF:1361949.4/11

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 461.943+/-0.111 χ^2/NDF:131425.3/9

Left: 463.115+/-0.078 χ^2/NDF: 1493595.0/21

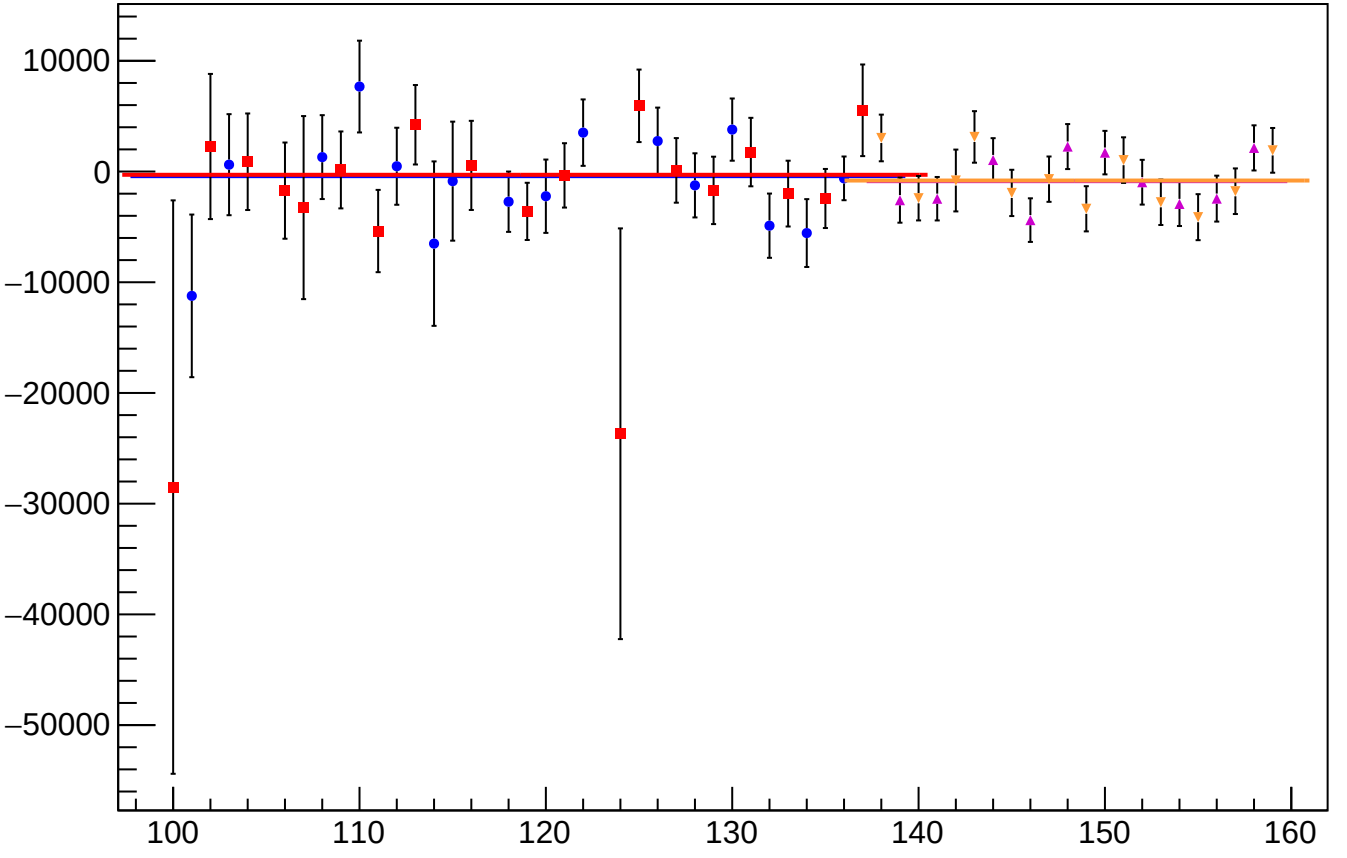
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 508.162+/-0.095 χ^2/NDF:2997194.3/25

Out: 515.154+/-0.097 χ^2/NDF:5328758.2/30

All: 511.596+/-0.068 χ^2/NDF: 8328620.0/56

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -812.705+/-610.952 χ^2/NDF:15.0/11

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -869.220+/-634.134 χ^2/NDF:13.4/9

Left: -839.911+/-439.975 χ^2/NDF: 28.4/21

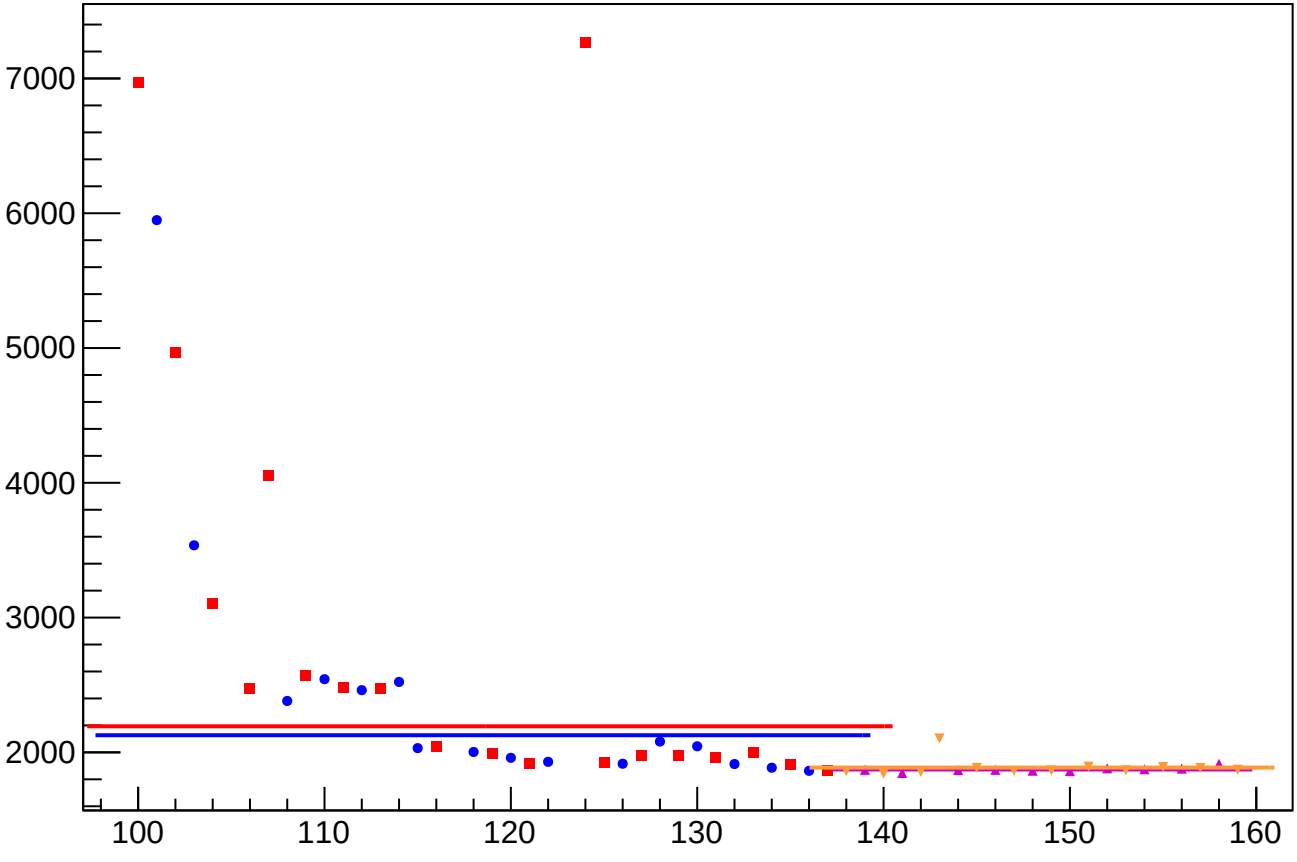
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -699.031+/-500.567 χ^2/NDF:31.9/25

Out: -631.066+/-492.363 χ^2/NDF:30.9/30

All: -664.487+/-351.018 χ^2/NDF: 62.8/56

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1887.026+/-0.432 χ^2/NDF:19618.5/11

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1873.048+/-0.448 χ^2/NDF:1393.0/9

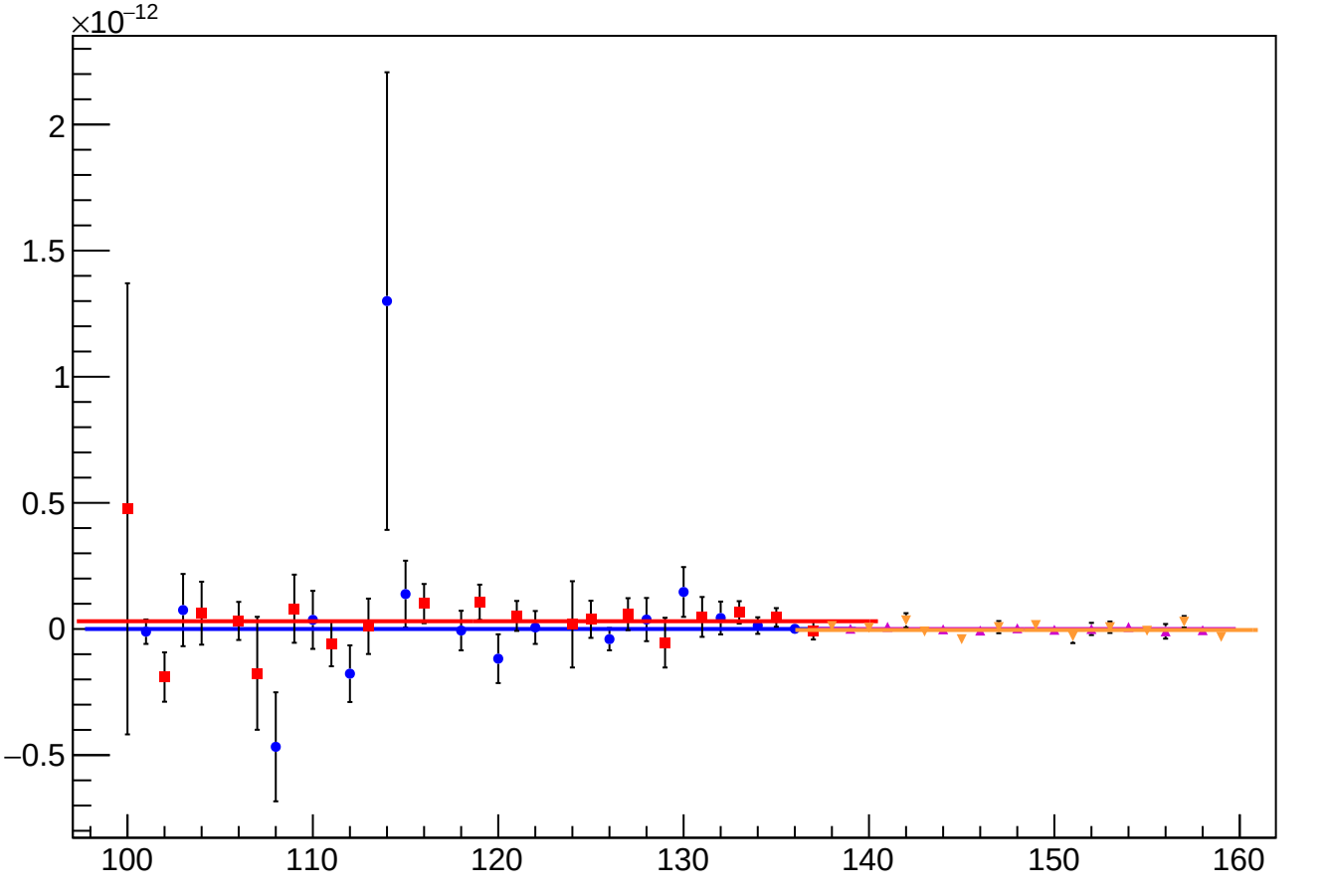
Left: 1880.297+/-0.311 χ^2/NDF: 21515.6/21

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1968.776+/-0.354 χ^2/NDF:997400.2/25

Out: 1994.477+/-0.348 χ^2/NDF:1138683.6/30

All: 1981.839+/-0.248 χ^2/NDF: 2138763.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/9

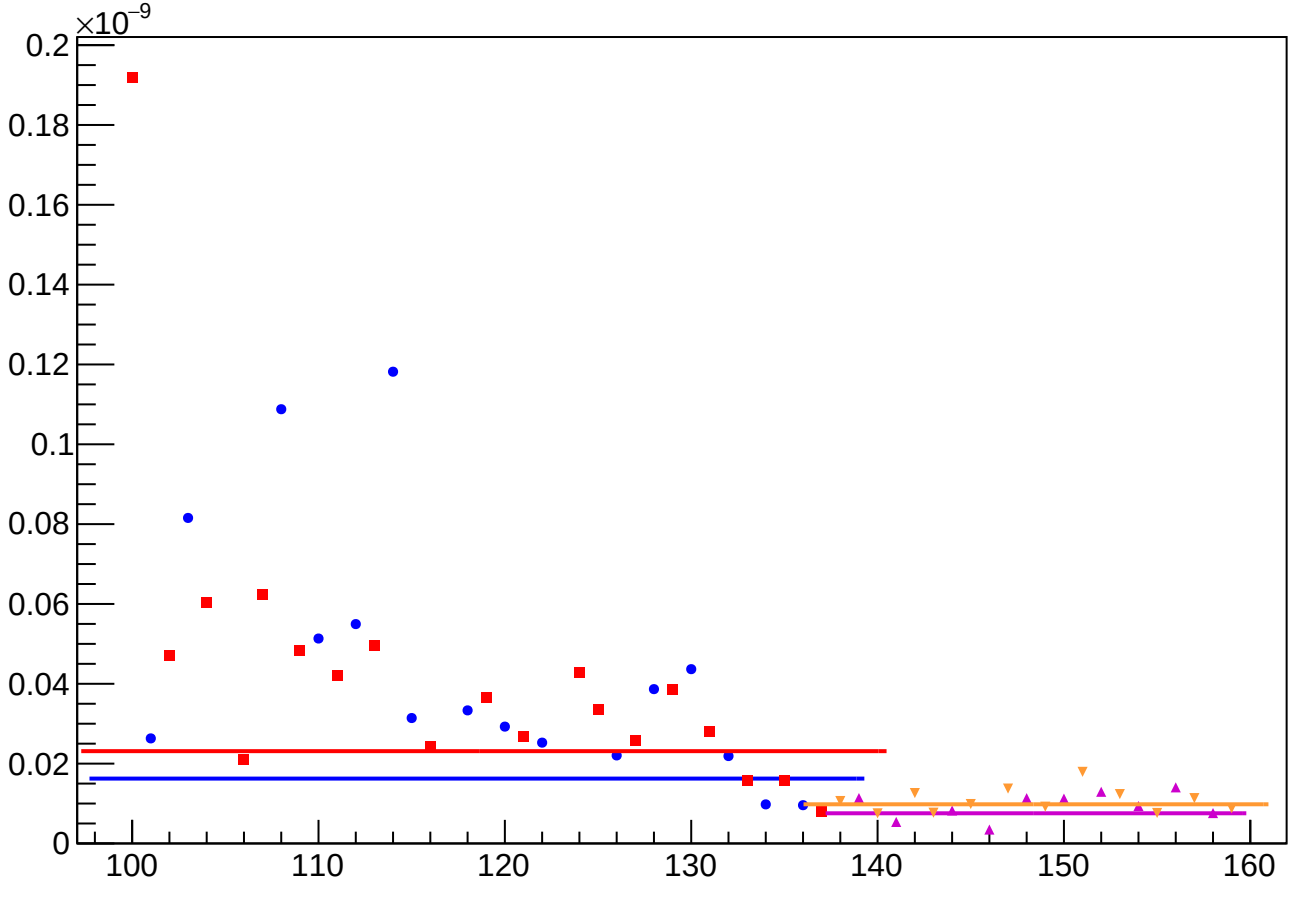
Left: -0.000+/-0.000 χ^2/NDF: 17.1/21

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:17.5/25

Out: -0.000+/-0.000 χ^2/NDF:32.2/30

All: -0.000+/-0.000 χ^2/NDF: 49.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:421845.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:871554.4/9

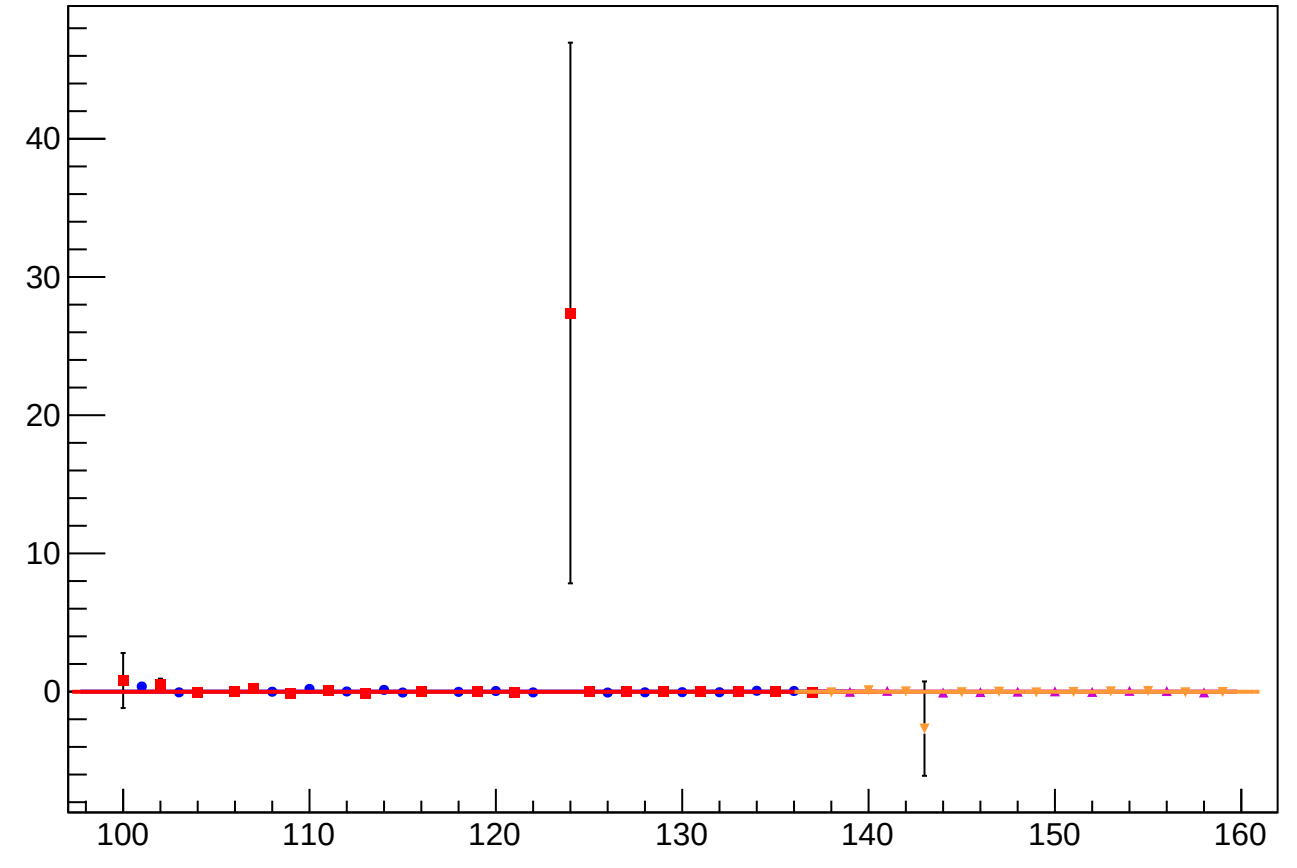
Left: 0.000+/-0.000 χ^2/NDF: 1485293.2/21

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4079389.8/25

Out: 0.000+/-0.000 χ^2/NDF:3116656.1/30

All: 0.000+/-0.000 χ^2/NDF: 7446740.4/56



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.004+/-0.008 χ^2/NDF: 30.3/21

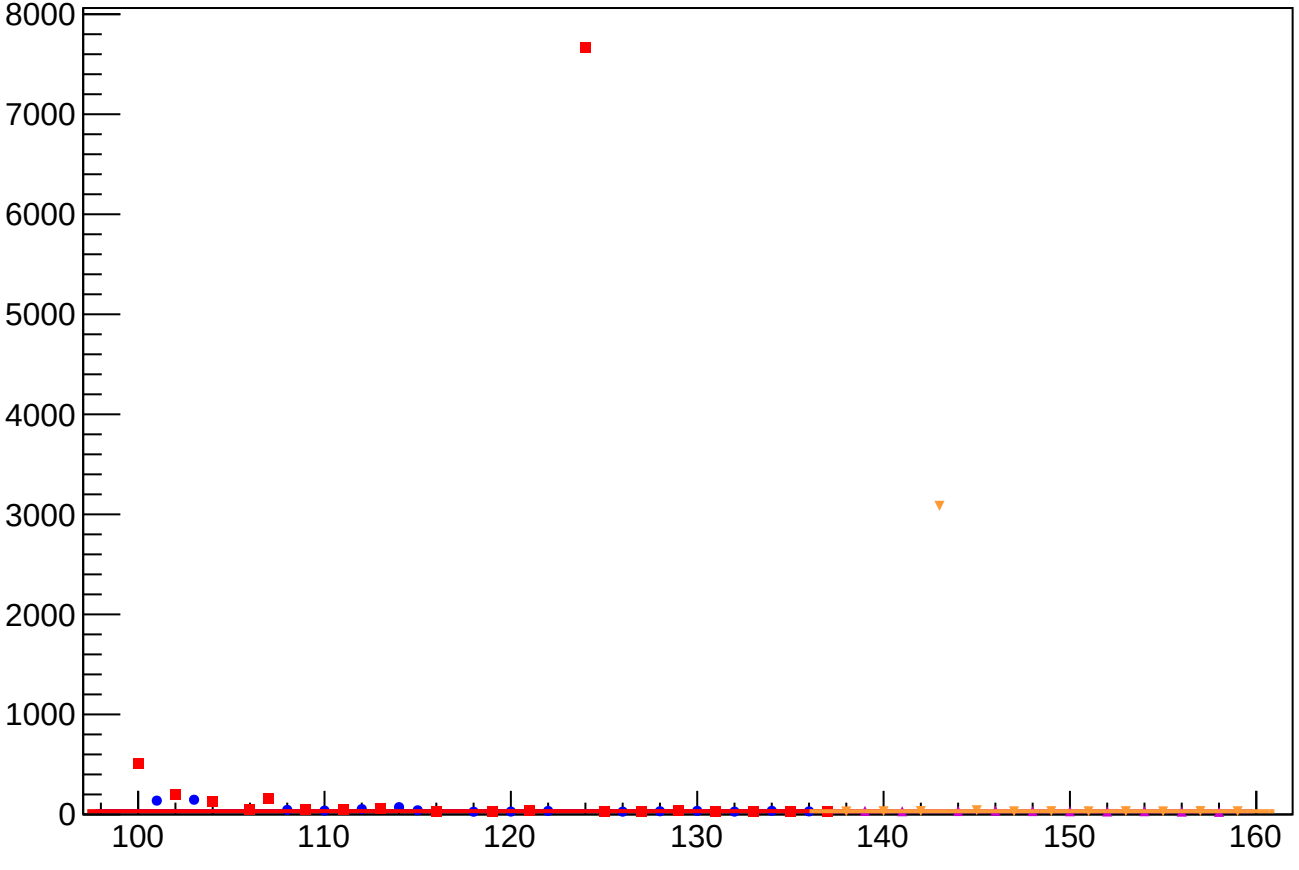
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.005+/-0.007 χ^2/NDF: 65.9/56

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: 32.434+/-0.008 χ^2/NDF:1697518.2/11

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

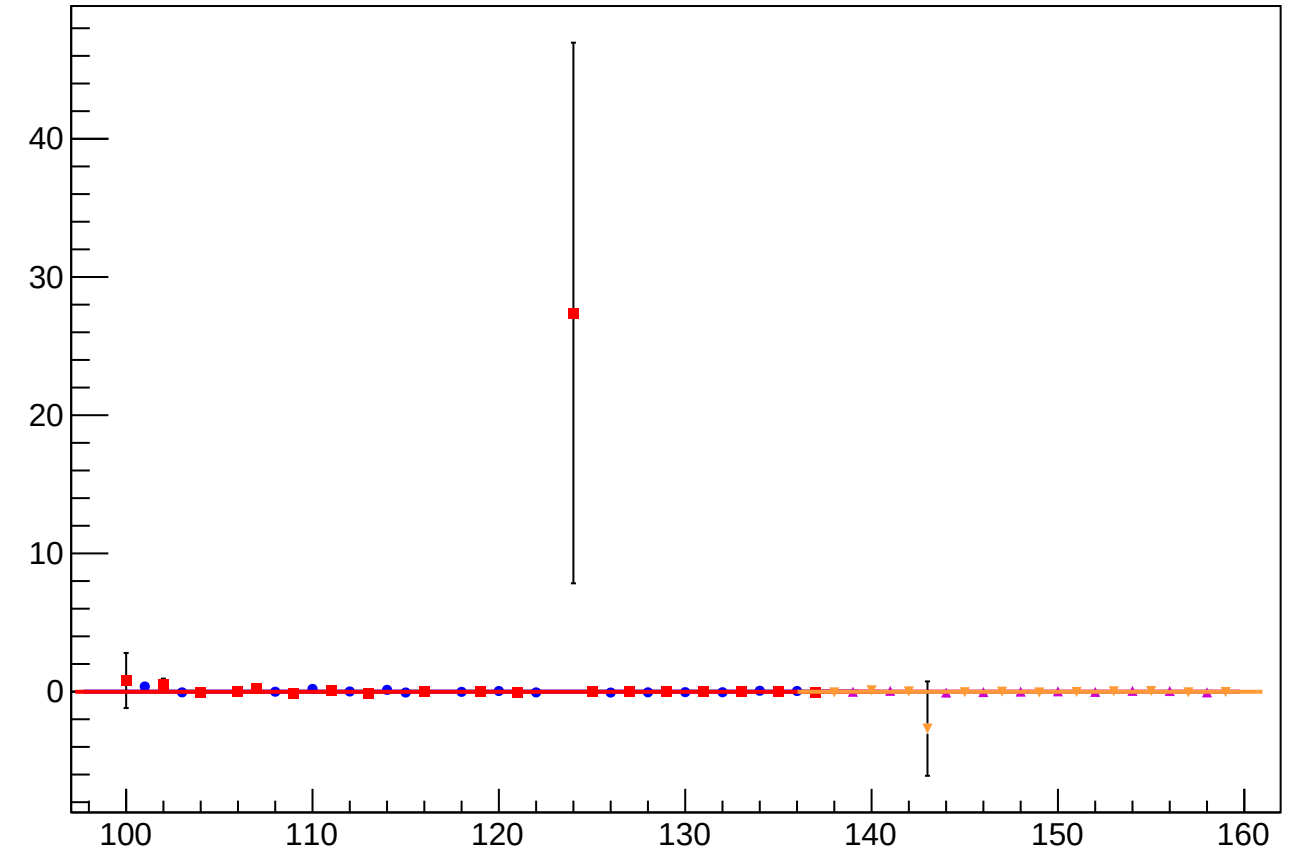
Left: 32.088+/-0.006 χ^2/NDF: 1855158.1/21

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.643+/-0.007 χ^2/NDF:1901461.3/25

Out: 32.687+/-0.007 χ^2/NDF:3774976.1/30

All: 32.665+/-0.005 χ^2/NDF: 5676459.3/56



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.004+/-0.008 χ^2/NDF: 30.3/21

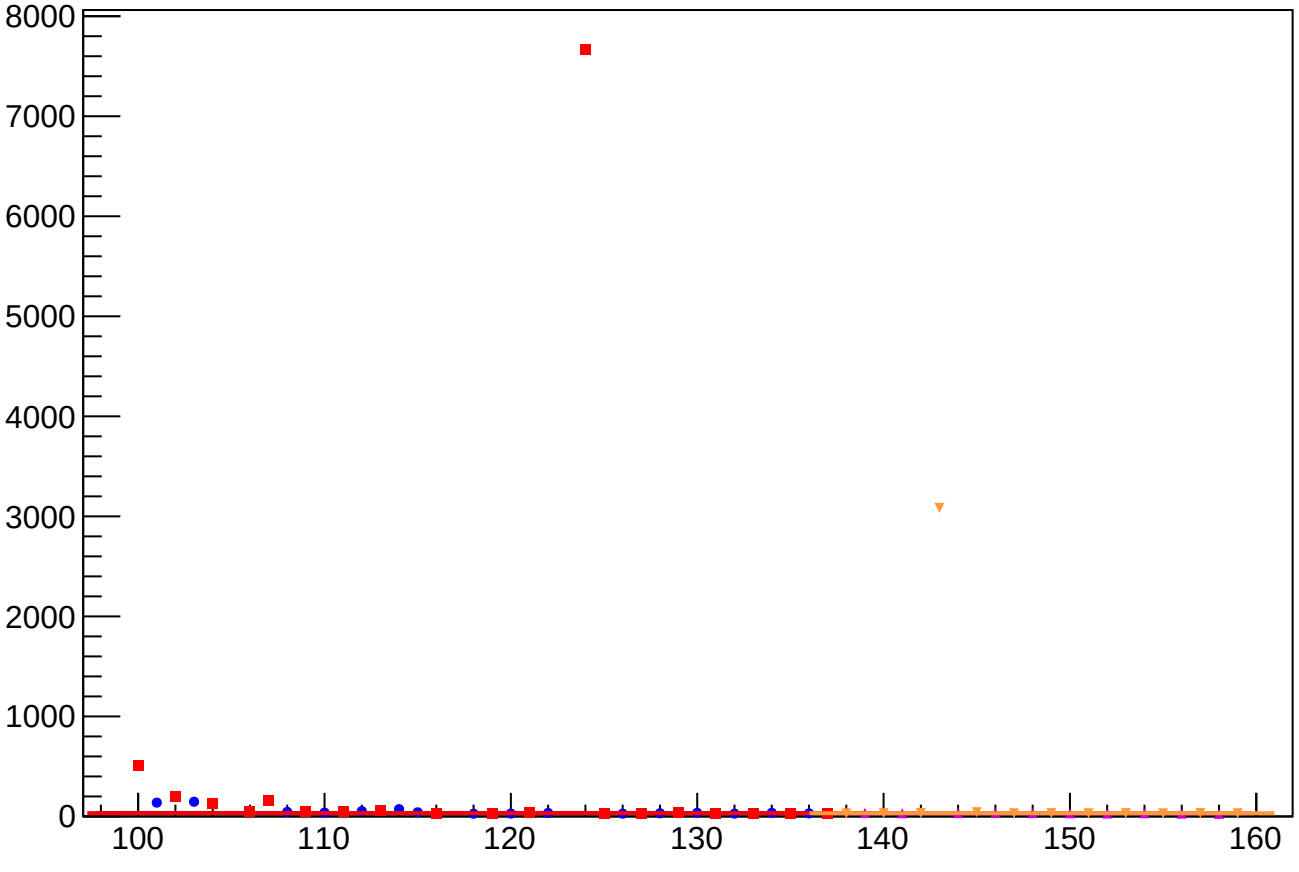
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.005+/-0.007 χ^2/NDF: 65.9/56

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: 32.434+/-0.008 χ^2/NDF:1697518.2/11

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

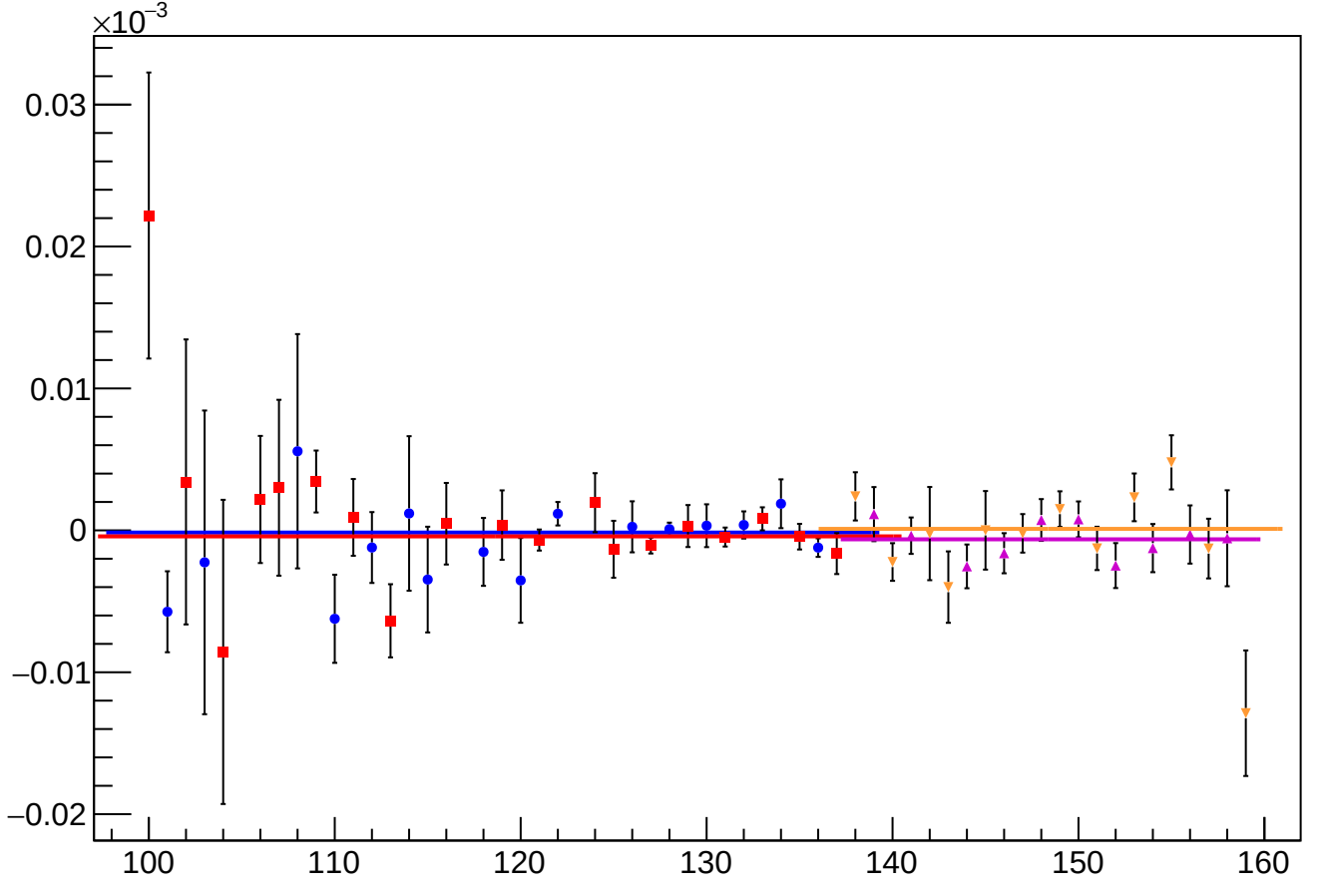
Left: 32.088+/-0.006 χ^2/NDF: 1855158.1/21

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.643+/-0.007 χ^2/NDF:1901461.3/25

Out: 32.687+/-0.007 χ^2/NDF:3774976.1/30

All: 32.665+/-0.005 χ^2/NDF: 5676459.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

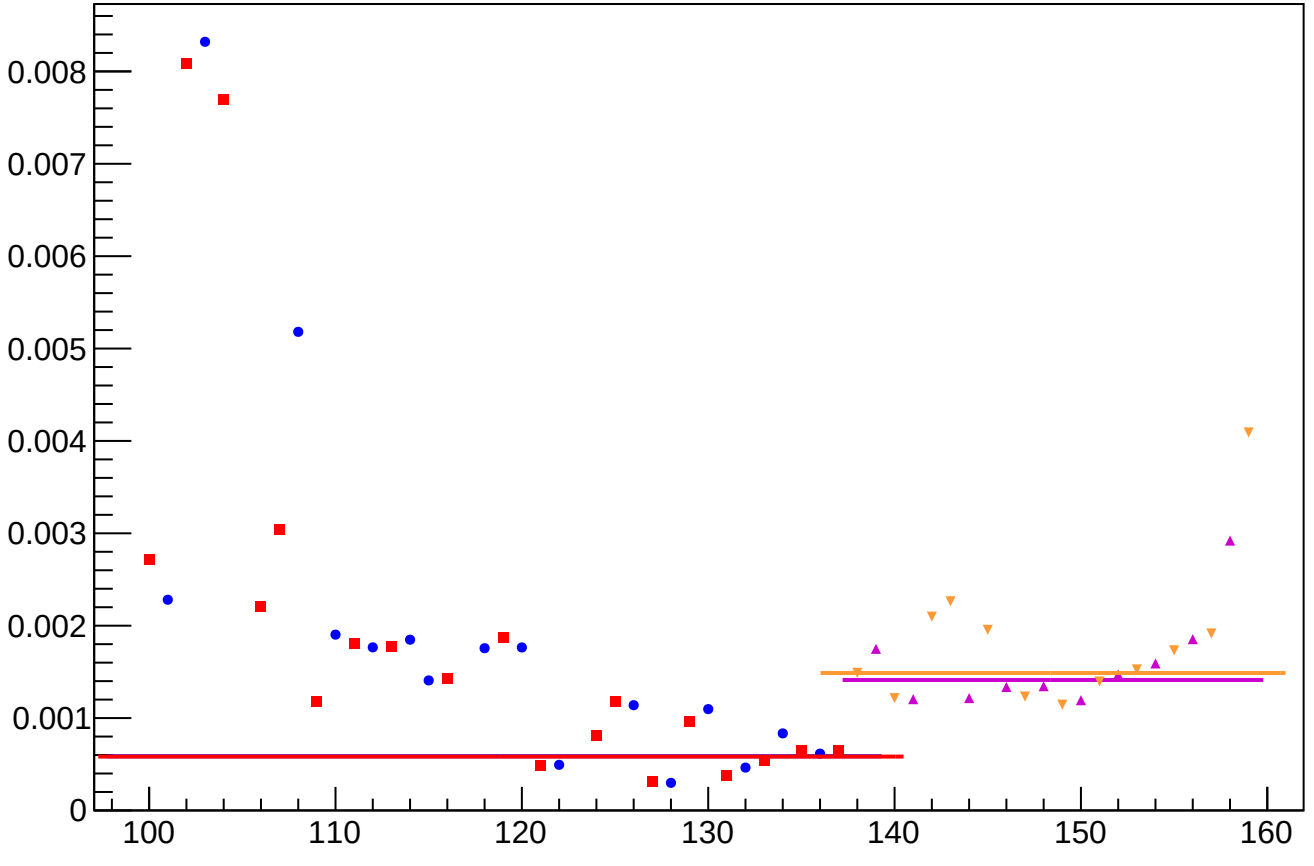
Left: -0.000+/-0.000 χ^2/NDF: 34.1/21

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.4/25

Out: -0.000+/-0.000 χ^2/NDF:48.9/30

All: -0.000+/-0.000 χ^2/NDF: 74.3/56



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:1437368.8/11

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:733870.5/9

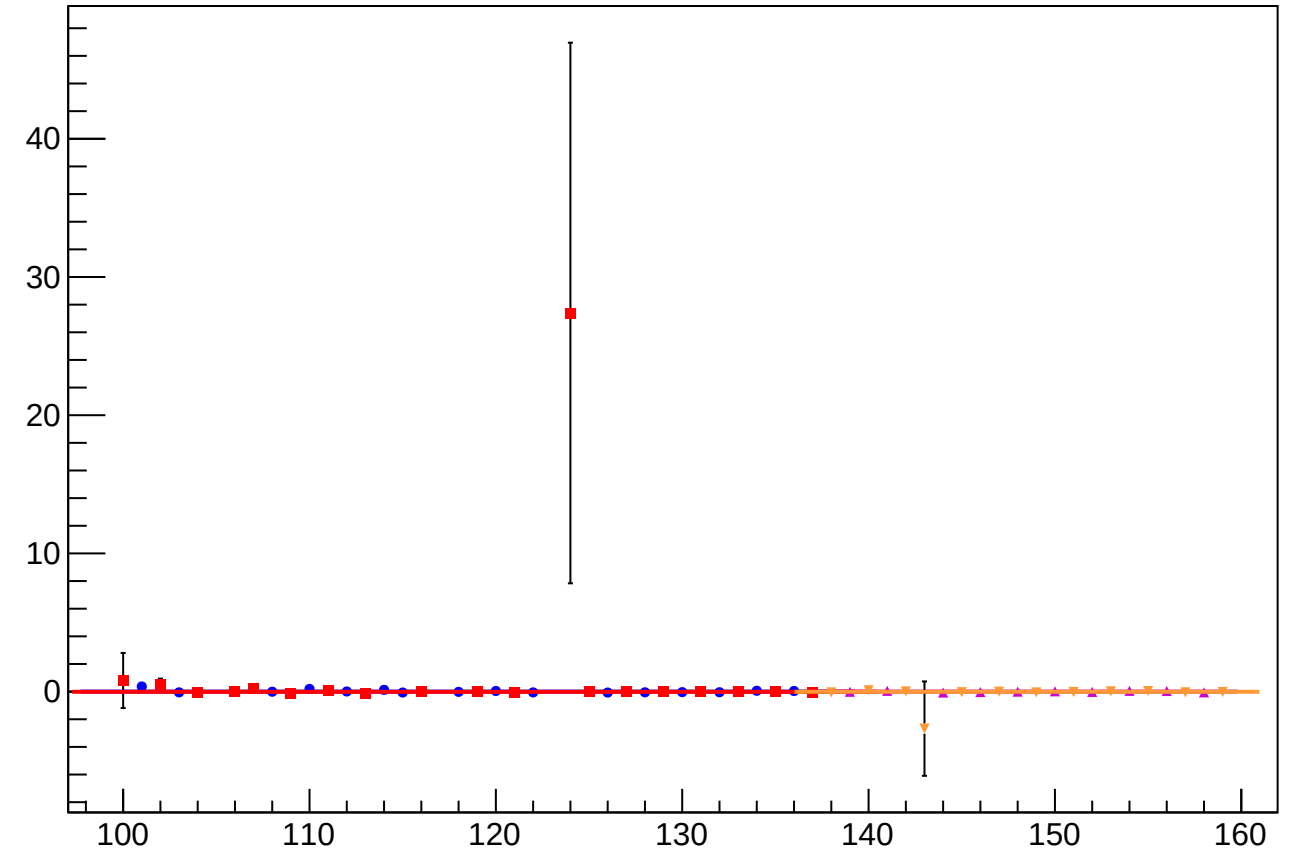
Left: 0.001+/-0.000 χ^2/NDF: 2193444.4/21

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:10249778.5/25

Out: 0.001+/-0.000 χ^2/NDF:11634159.3/30

All: 0.001+/-0.000 χ^2/NDF: 21883938.9/56



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.004+/-0.008 χ^2/NDF: 30.3/21

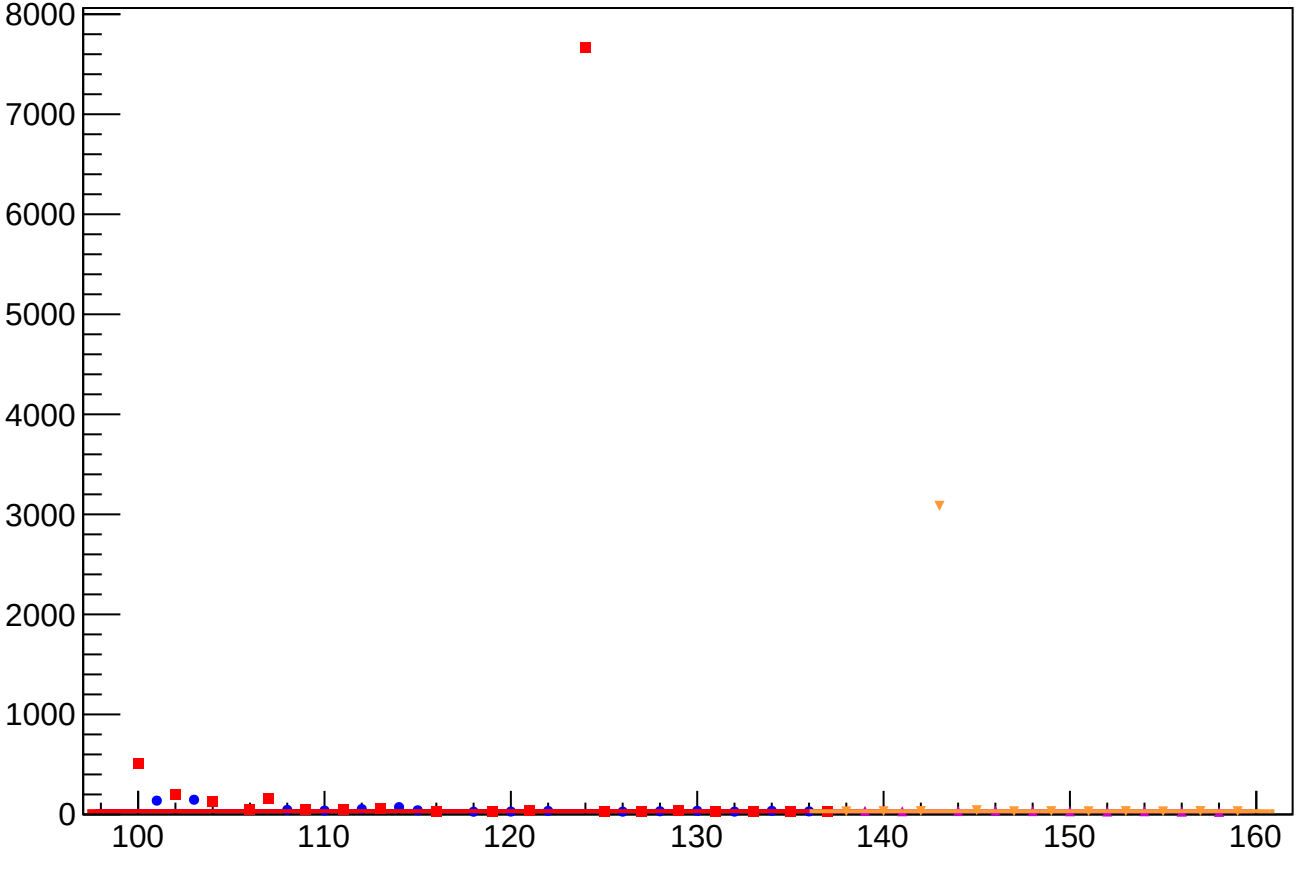
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.005+/-0.007 χ^2/NDF: 65.9/56

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: 32.434+/-0.008 χ^2/NDF:1697519.8/11

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

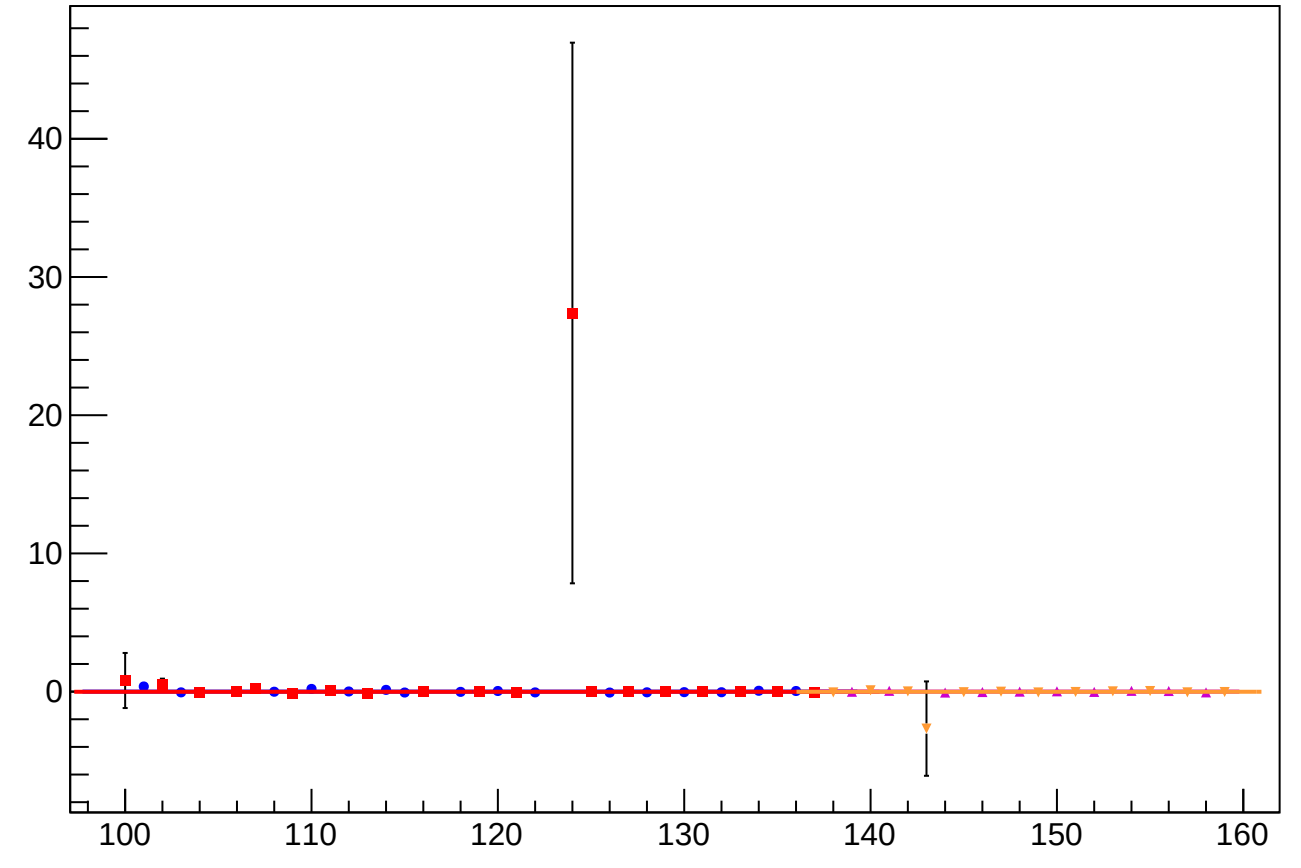
Left: 32.088+/-0.006 χ^2/NDF: 1855099.4/21

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.644+/-0.007 χ^2/NDF:1901382.3/25

Out: 32.687+/-0.007 χ^2/NDF:3774958.1/30

All: 32.665+/-0.005 χ^2/NDF: 5676361.9/56



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.004+/-0.008 χ^2/NDF: 30.3/21

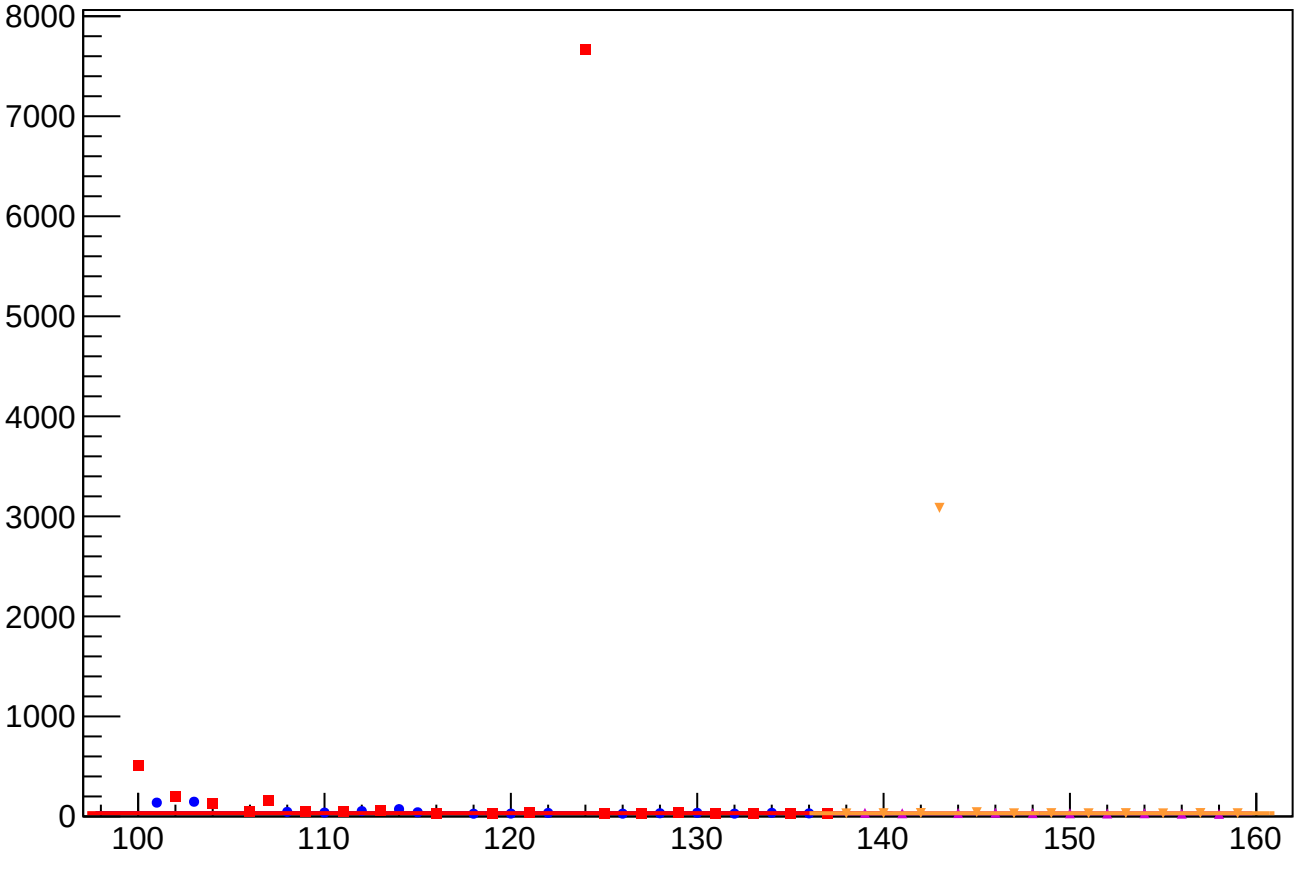
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.005+/-0.007 χ^2/NDF: 65.9/56

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: 32.434+/-0.008 χ^2/NDF:1697519.8/11

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

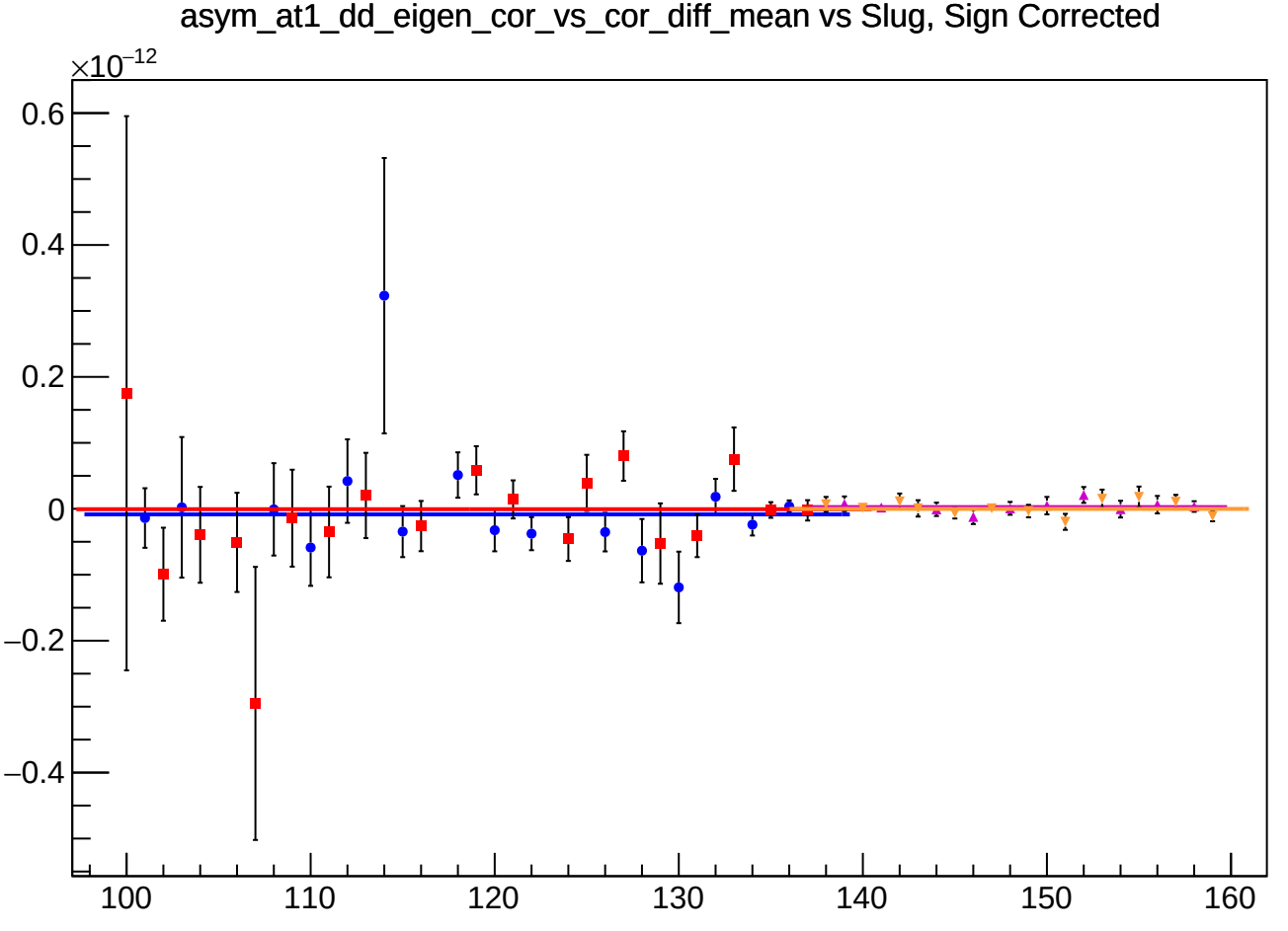
Left: 32.088+/-0.006 χ^2/NDF: 1855099.4/21

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.644+/-0.007 χ^2/NDF:1901382.3/25

Out: 32.687+/-0.007 χ^2/NDF:3774958.1/30

All: 32.665+/-0.005 χ^2/NDF: 5676361.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/9

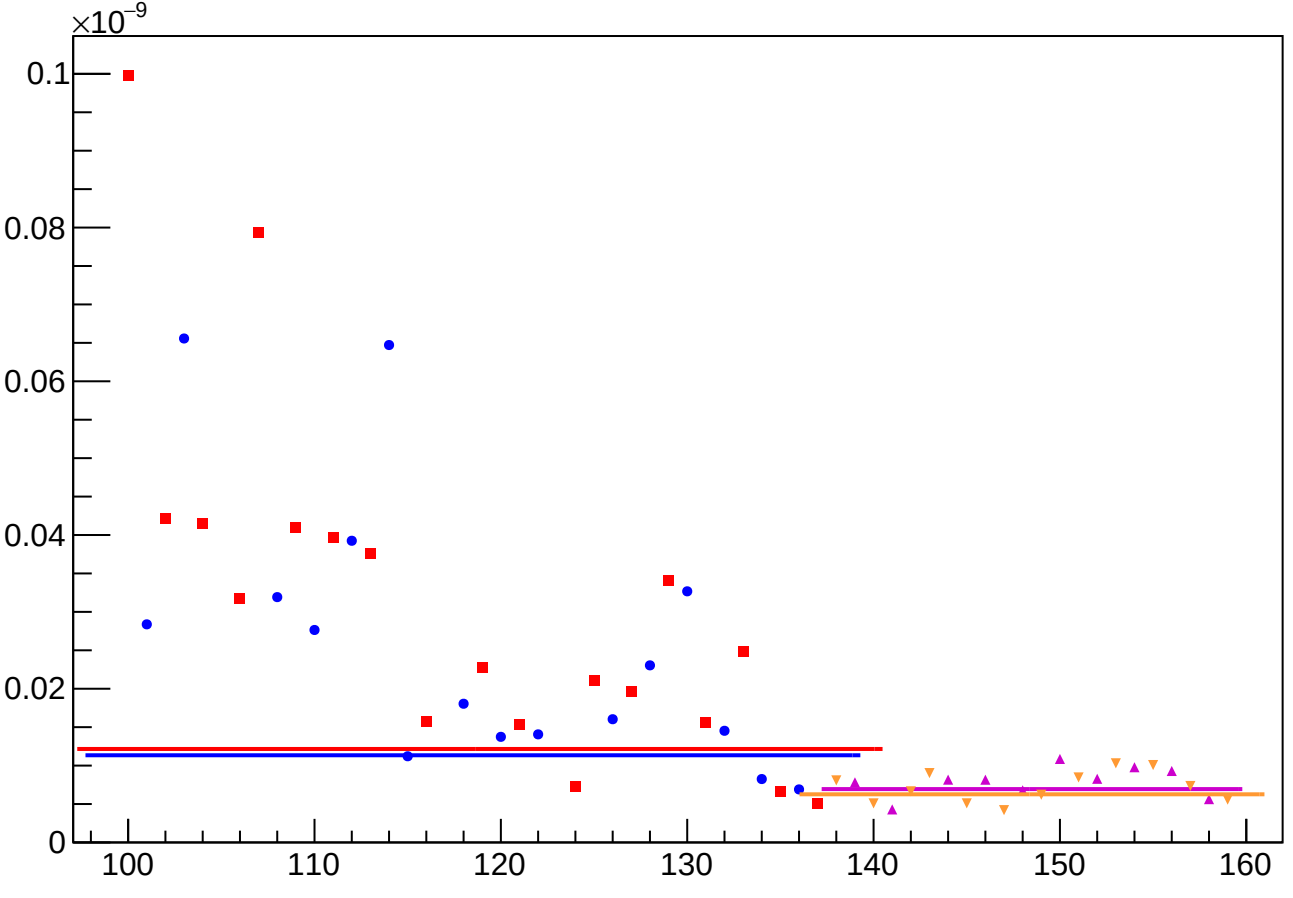
Left: 0.000+/-0.000 χ^2/NDF: 15.3/21

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:26.4/25

Out: -0.000+/-0.000 χ^2/NDF:31.0/30

All: 0.000+/-0.000 χ^2/NDF: 57.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:805214.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:854102.3/9

Left: 0.000+/-0.000 χ^2/NDF: 1712578.9/21

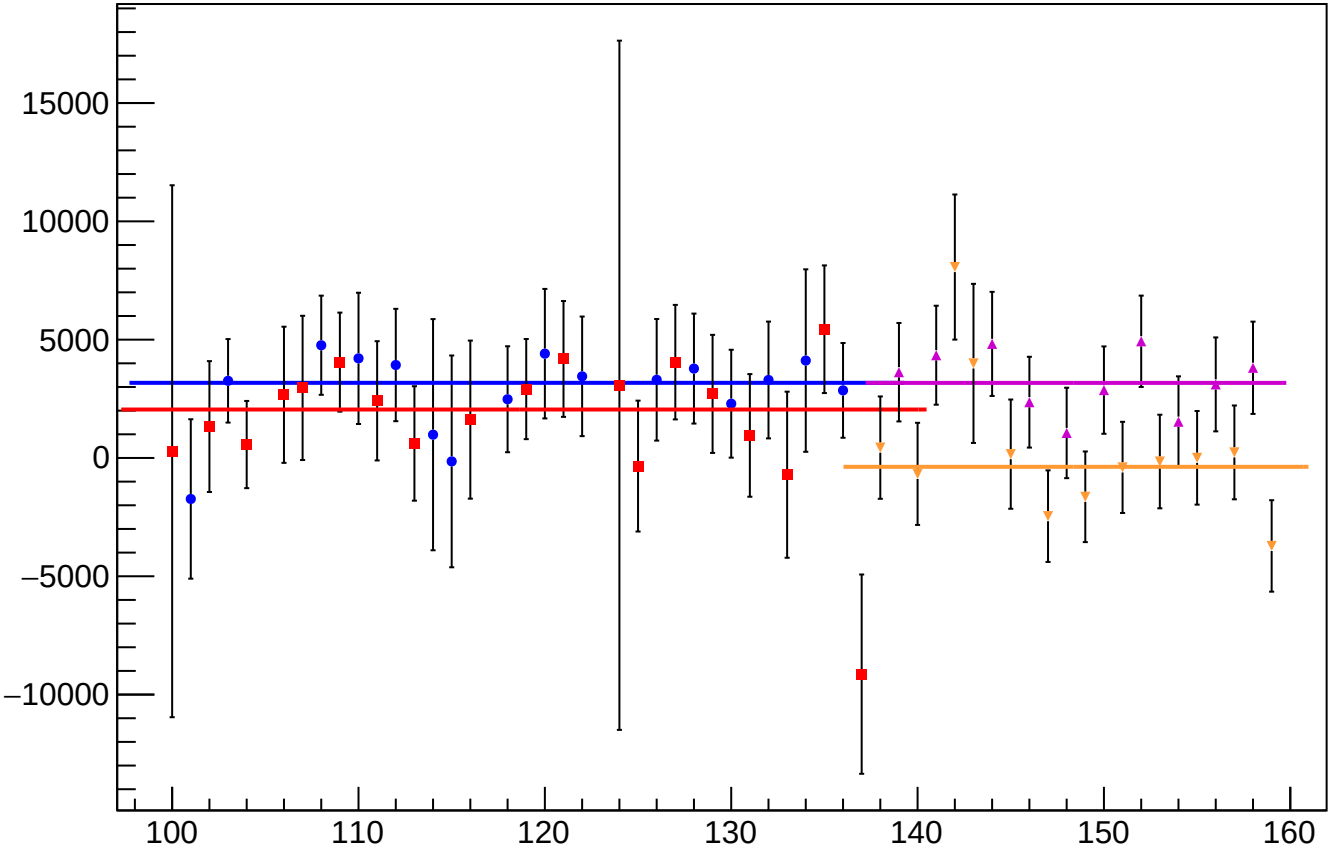
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4431418.0/25

Out: 0.000+/-0.000 χ^2/NDF:5718324.5/30

All: 0.000+/-0.000 χ^2/NDF: 10232760.7/56

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -374.285+/-613.910 χ^2/NDF:14.2/11

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3172.517+/-624.721 χ^2/NDF:4.0/9

Left: 1368.160+/-437.872 χ^2/NDF: 34.6/21

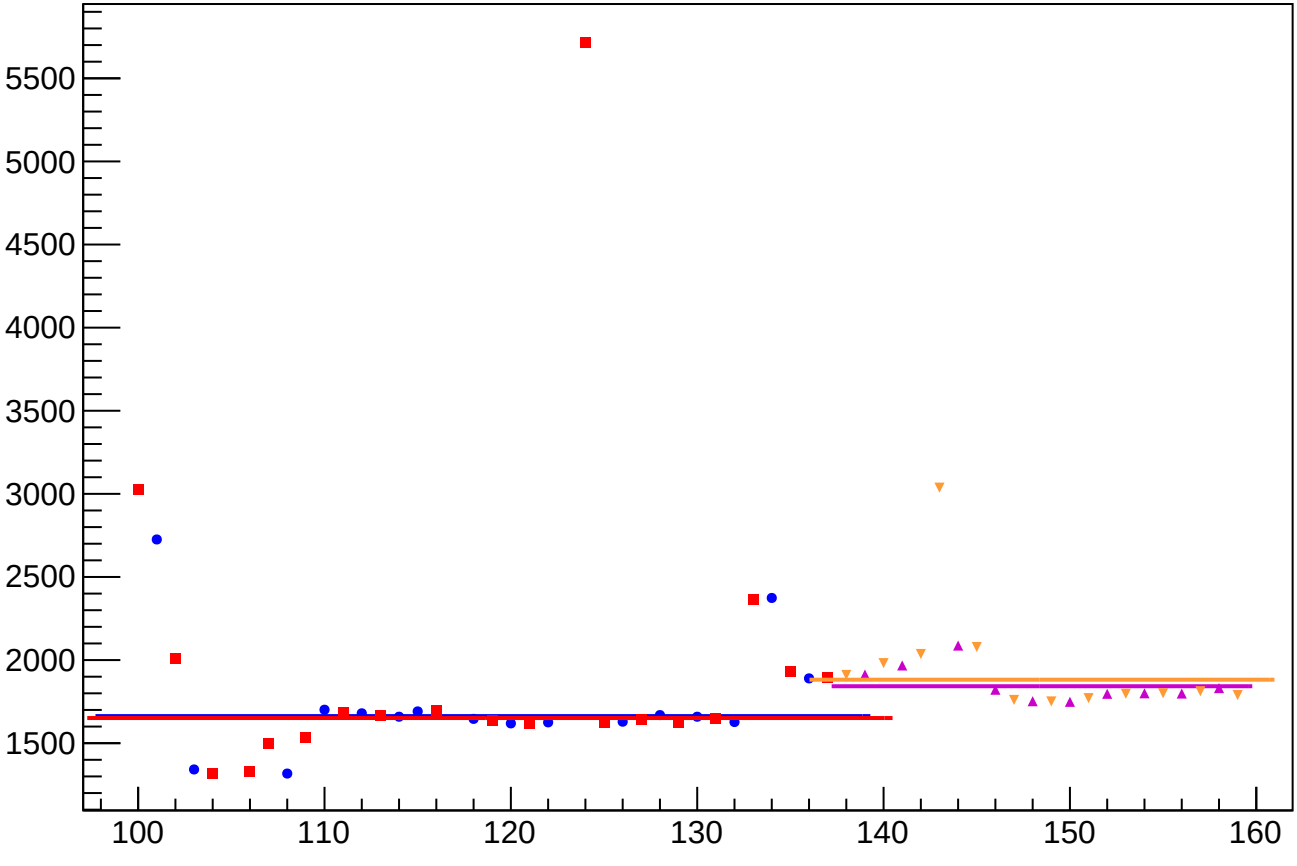
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3174.050+/-442.896 χ^2/NDF:8.3/25

Out: 821.685+/-436.758 χ^2/NDF:36.0/30

All: 1981.453+/-310.982 χ^2/NDF: 58.6/56

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1881.989+/-0.434 χ^2/NDF:298389.4/11

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

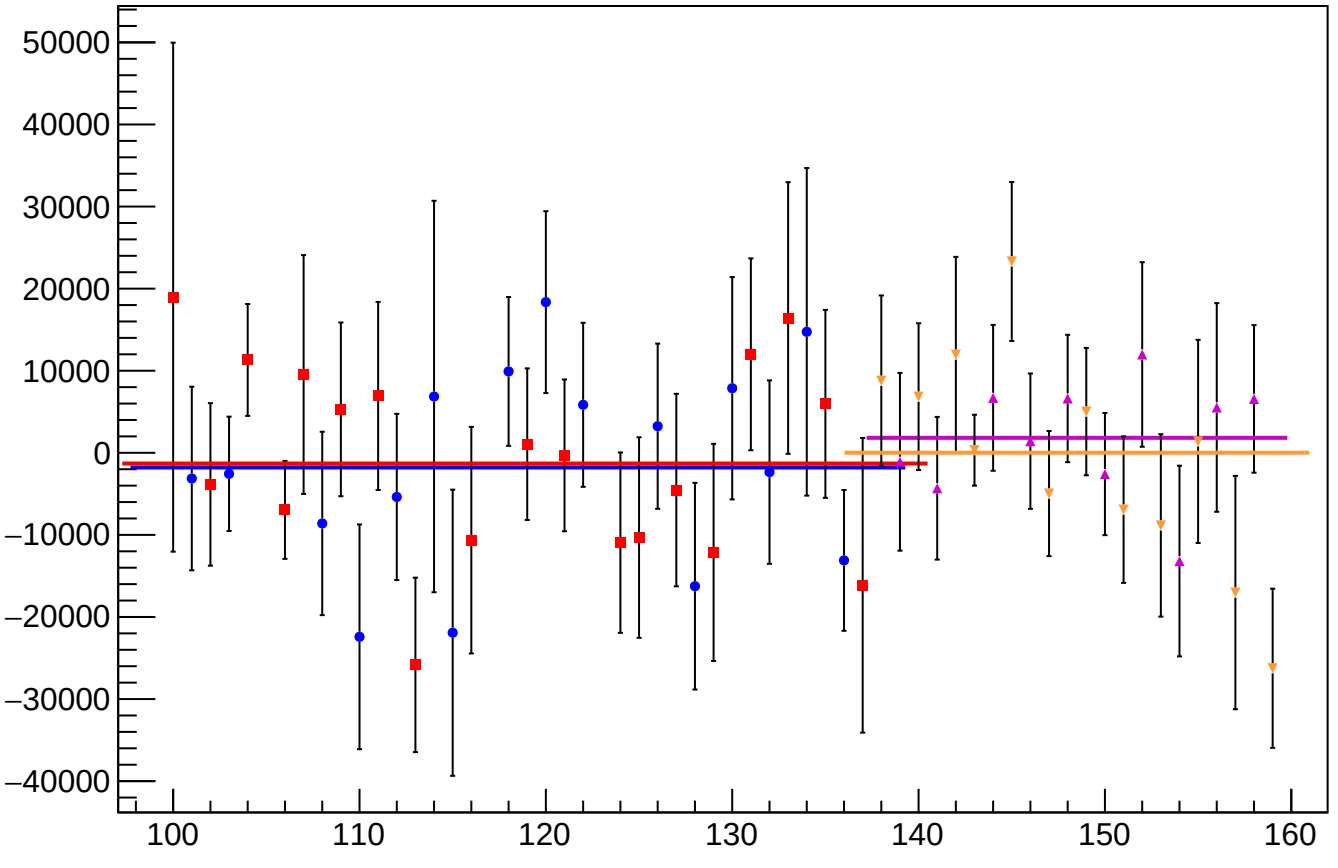
Left: 1862.621+/-0.310 χ^2/NDF: 349557.4/21

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1753.202+/-0.313 χ^2/NDF:545021.4/25

Out: 1768.072+/-0.309 χ^2/NDF:869797.2/30

All: 1760.741+/-0.220 χ^2/NDF: 1415961.6/56



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 9.799+/-2427.666 χ^2/NDF:19.0/11

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 1825.731+/-2914.983 χ^2/NDF:4.5/9

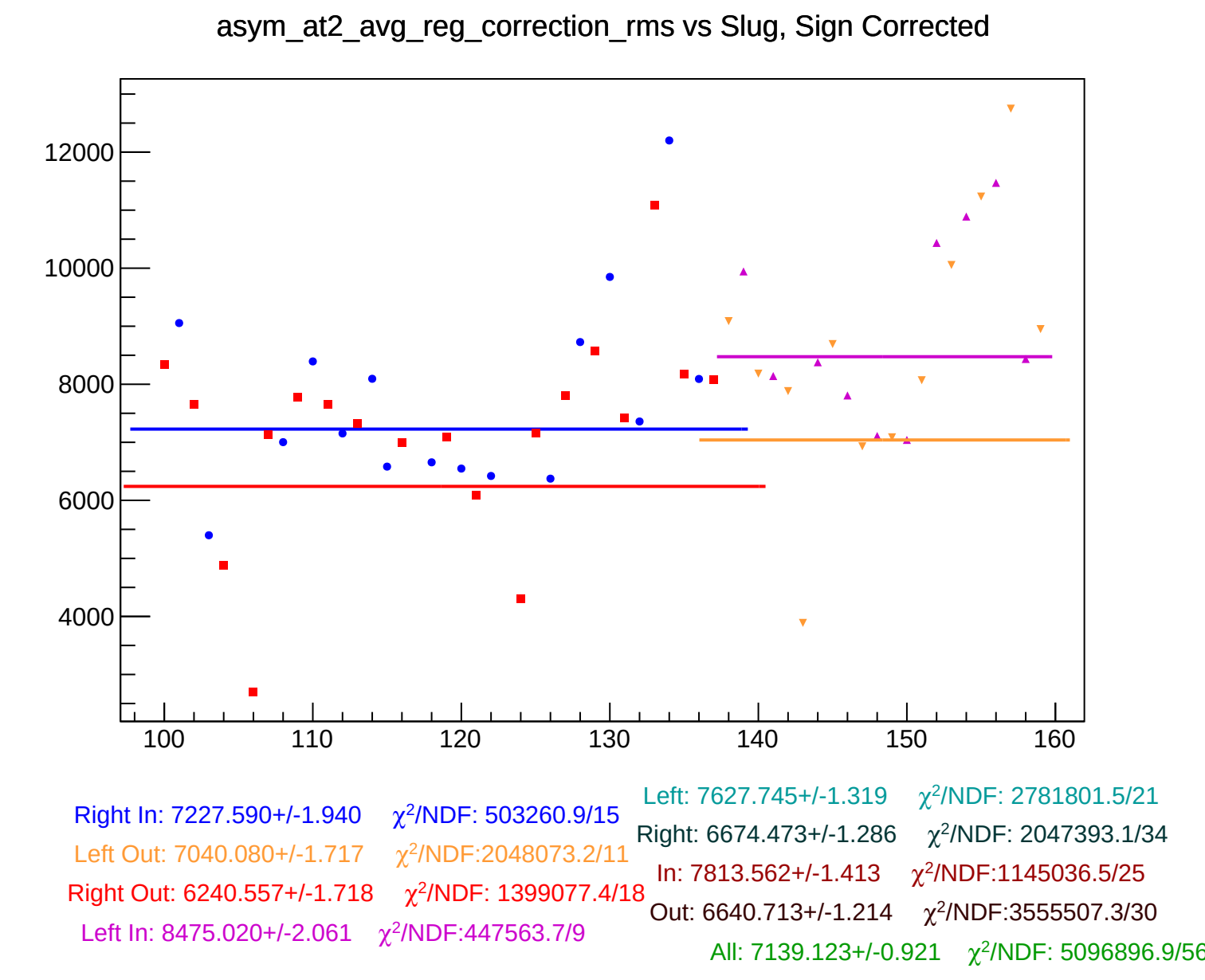
Left: 753.495+/-1865.452 χ^2/NDF: 23.6/21

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

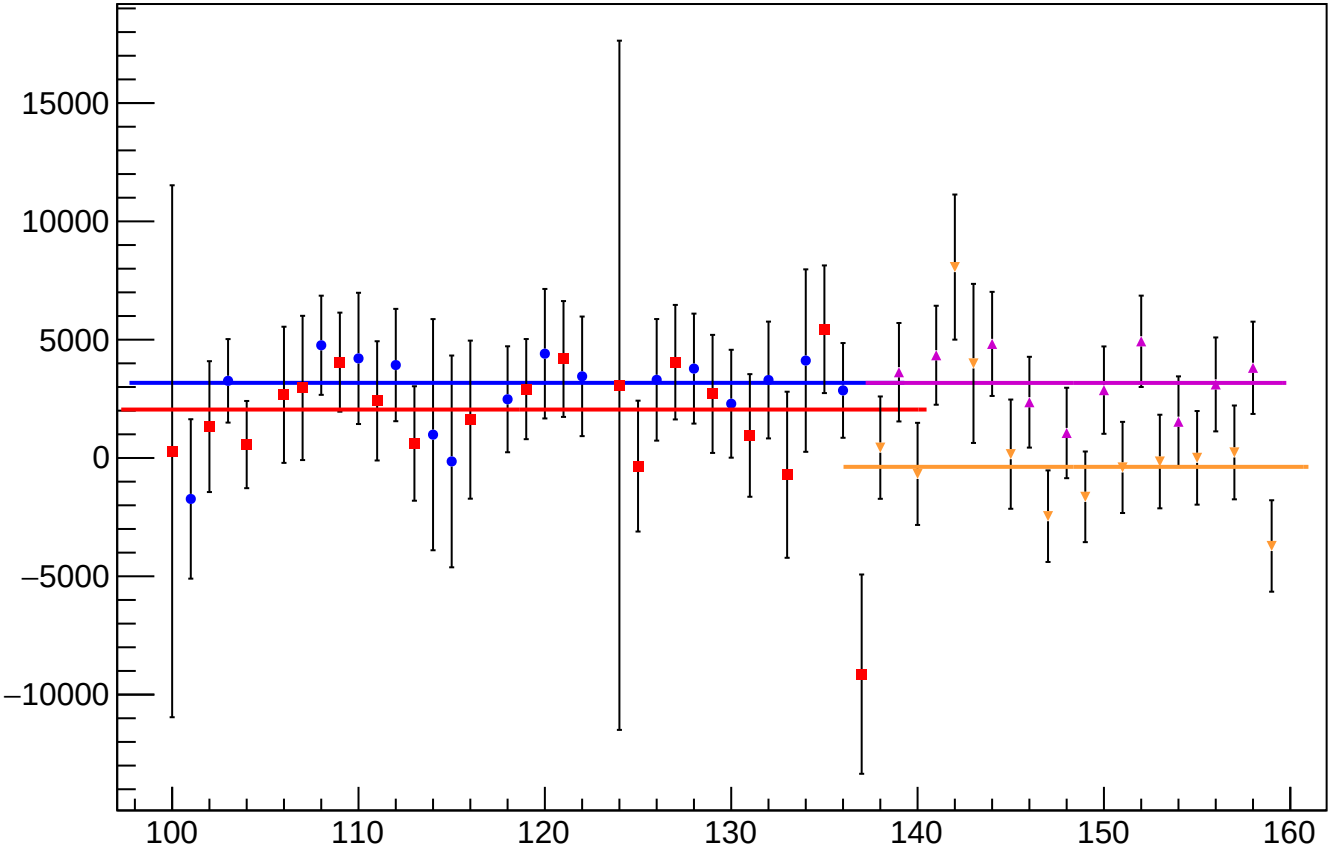
In: -92.080+/-1997.866 χ^2/NDF:19.6/25

Out: -647.607+/-1717.466 χ^2/NDF:36.8/30

All: -411.532+/-1302.383 χ^2/NDF: 56.5/56


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7040.080+/-1.717 χ²/NDF:2048073.2/11
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8475.020+/-2.061 χ²/NDF:447563.7/9
Left: 7627.745+/-1.319 χ²/NDF: 2781801.5/21
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7813.562+/-1.413 χ²/NDF:1145036.5/25
Out: 6640.713+/-1.214 χ²/NDF:3555507.3/30
All: 7139.123+/-0.921 χ²/NDF: 5096896.9/56

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -374.365+/-613.910 χ^2/NDF:14.2/11

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3172.653+/-624.721 χ^2/NDF:4.0/9

Left: 1368.186+/-437.872 χ^2/NDF: 34.6/21

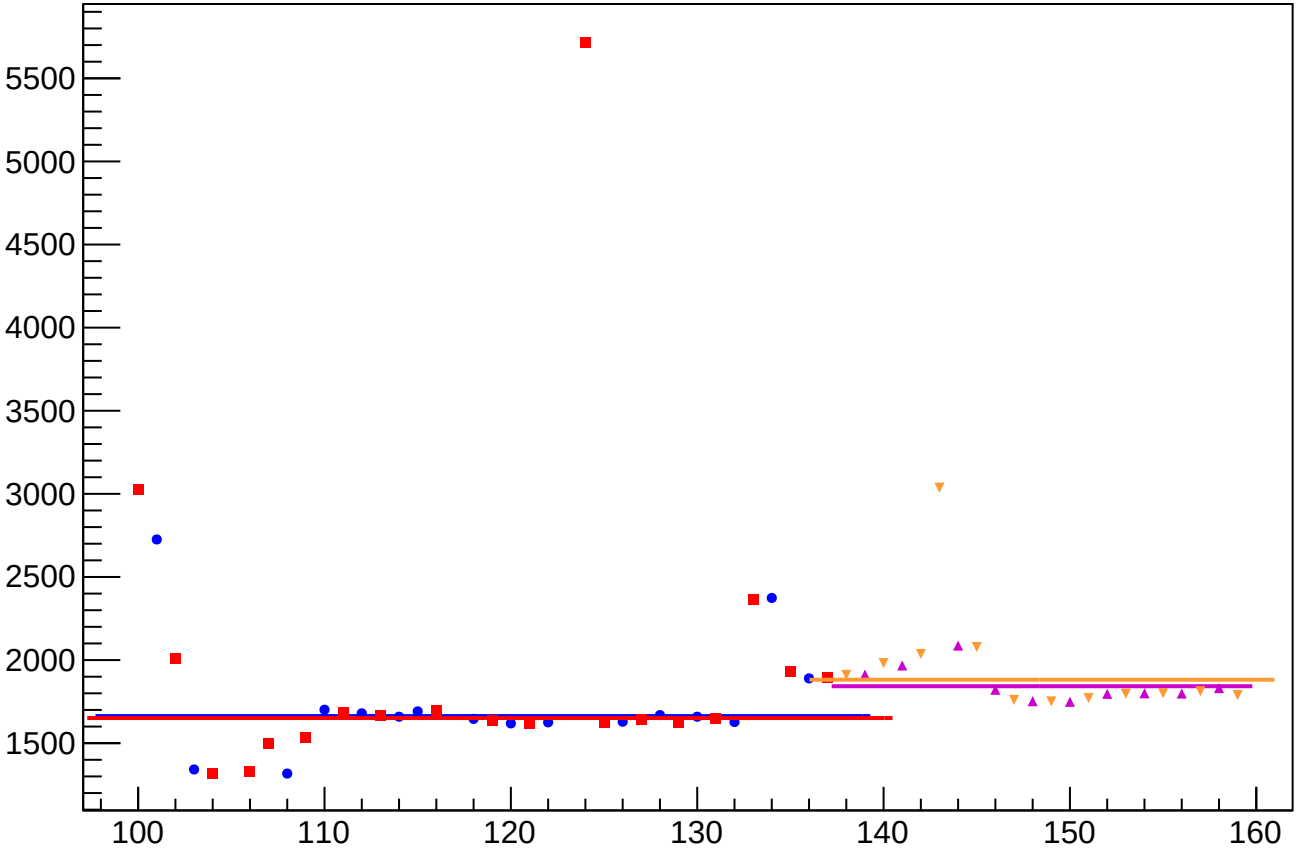
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3174.163+/-442.896 χ^2/NDF:8.3/25

Out: 821.548+/-436.758 χ^2/NDF:35.9/30

All: 1981.439+/-310.982 χ^2/NDF: 58.6/56

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1881.989+/-0.434 χ^2/NDF:298389.4/11

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

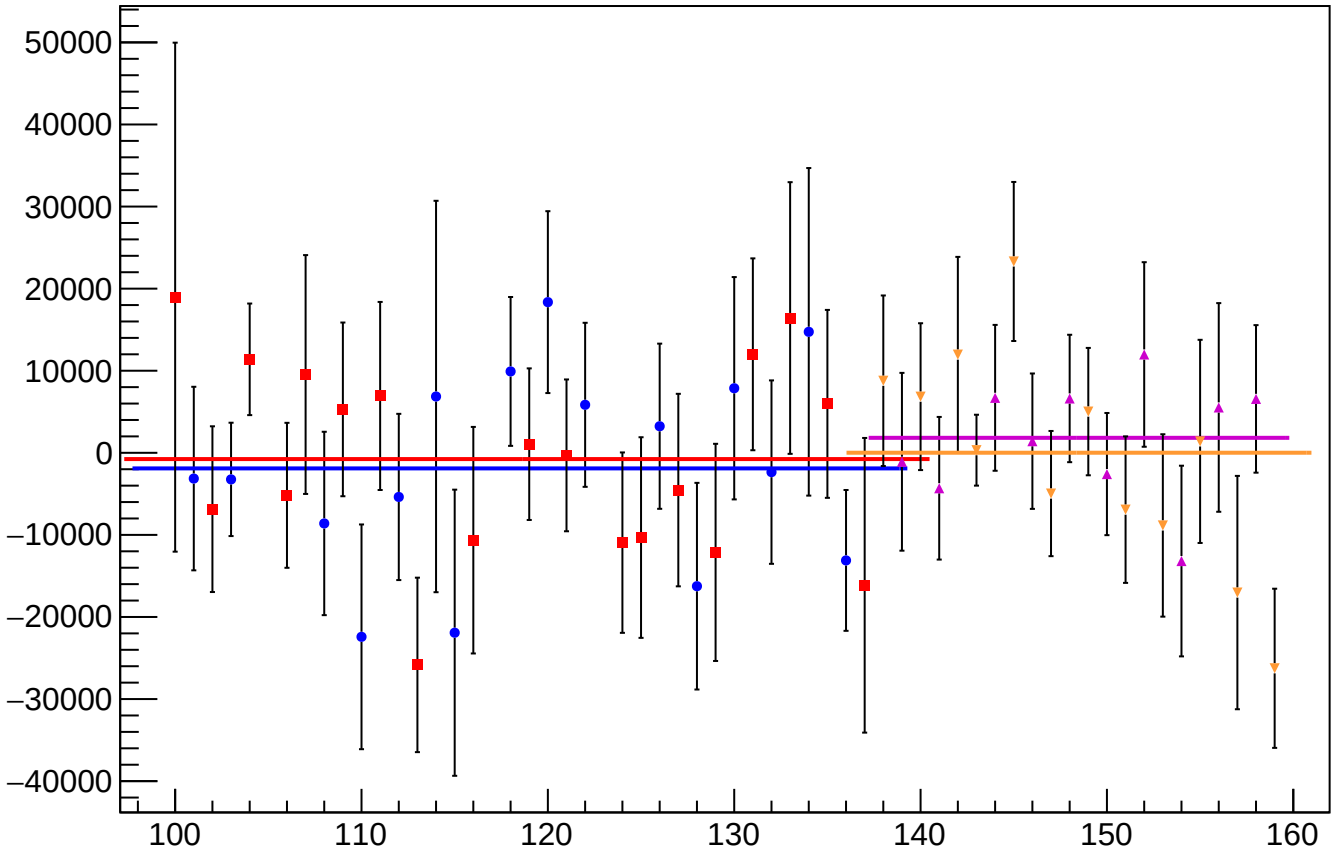
Left: 1862.621+/-0.310 χ^2/NDF: 349557.4/21

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1753.202+/-0.313 χ^2/NDF:545021.8/25

Out: 1768.072+/-0.309 χ^2/NDF:869797.5/30

All: 1760.741+/-0.220 χ^2/NDF: 1415962.4/56



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 9.682+/-2427.657 χ^2/NDF:19.0/11

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1825.902+/-2914.981 χ^2/NDF:4.5/9

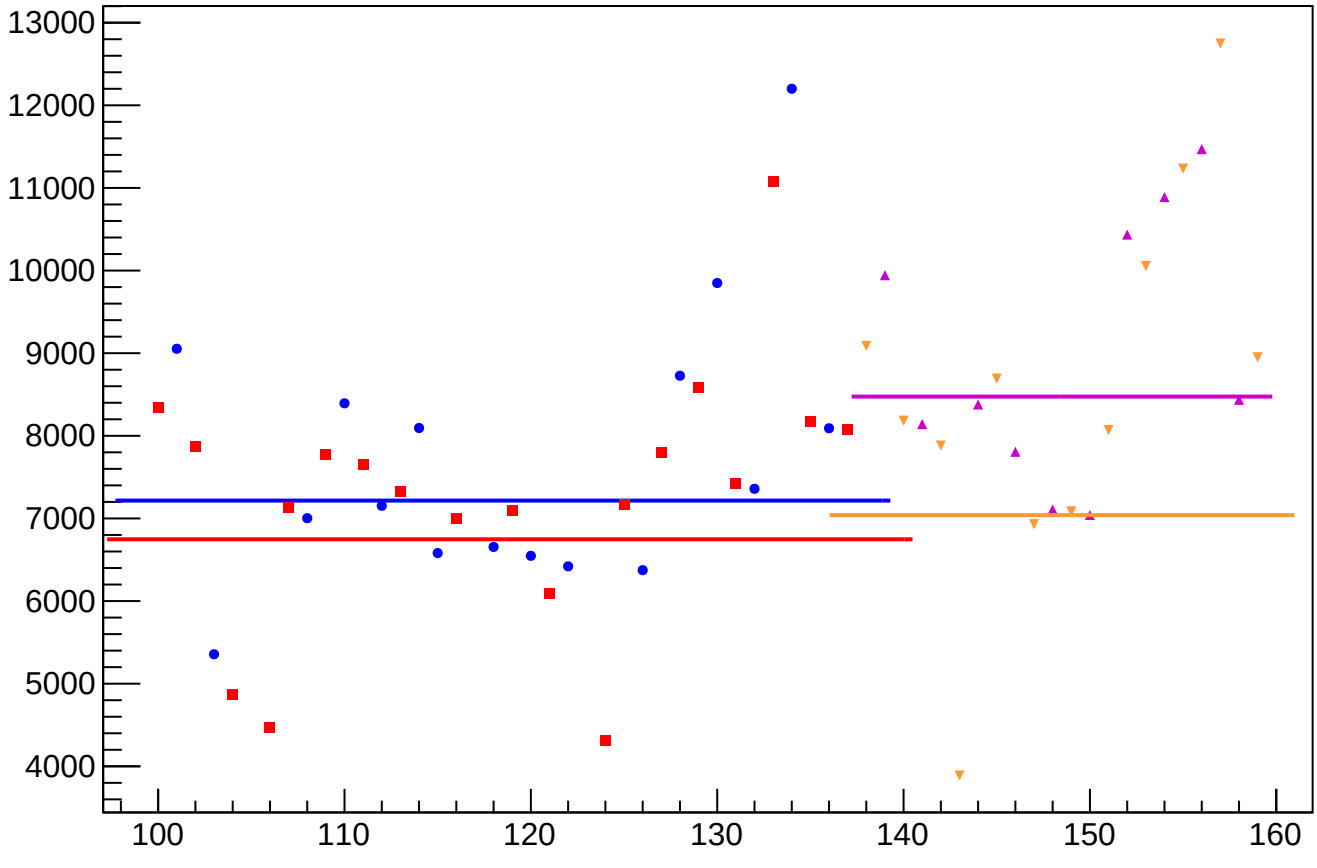
Left: 753.494+/-1865.448 χ^2/NDF: 23.6/21

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -152.326+/-1996.450 χ^2/NDF:19.7/25

Out: -357.456+/-1758.255 χ^2/NDF:36.3/30

All: -267.852+/-1319.494 χ^2/NDF: 56.0/56



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7040.043+/-1.717 χ^2/NDF:2048121.9/11

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

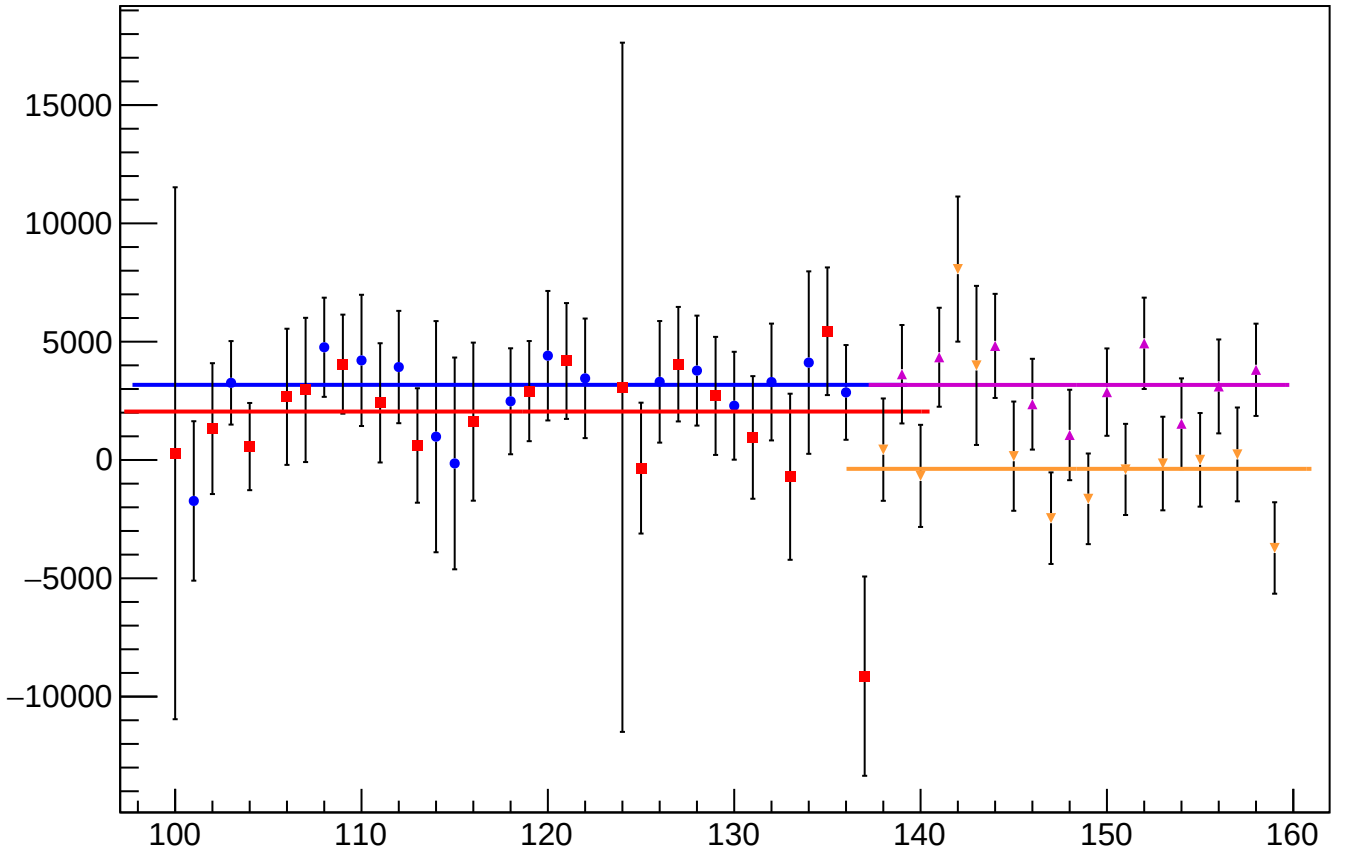
Left: 7627.719+/-1.319 χ^2/NDF: 2781865.8/21

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7806.592+/-1.412 χ^2/NDF:1157767.2/25

Out: 6901.067+/-1.243 χ^2/NDF:2770701.1/30

All: 7296.614+/-0.933 χ^2/NDF: 4160189.3/56



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -374.365+/-613.910 χ^2/NDF:14.2/11

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3172.653+/-624.721 χ^2/NDF:4.0/9

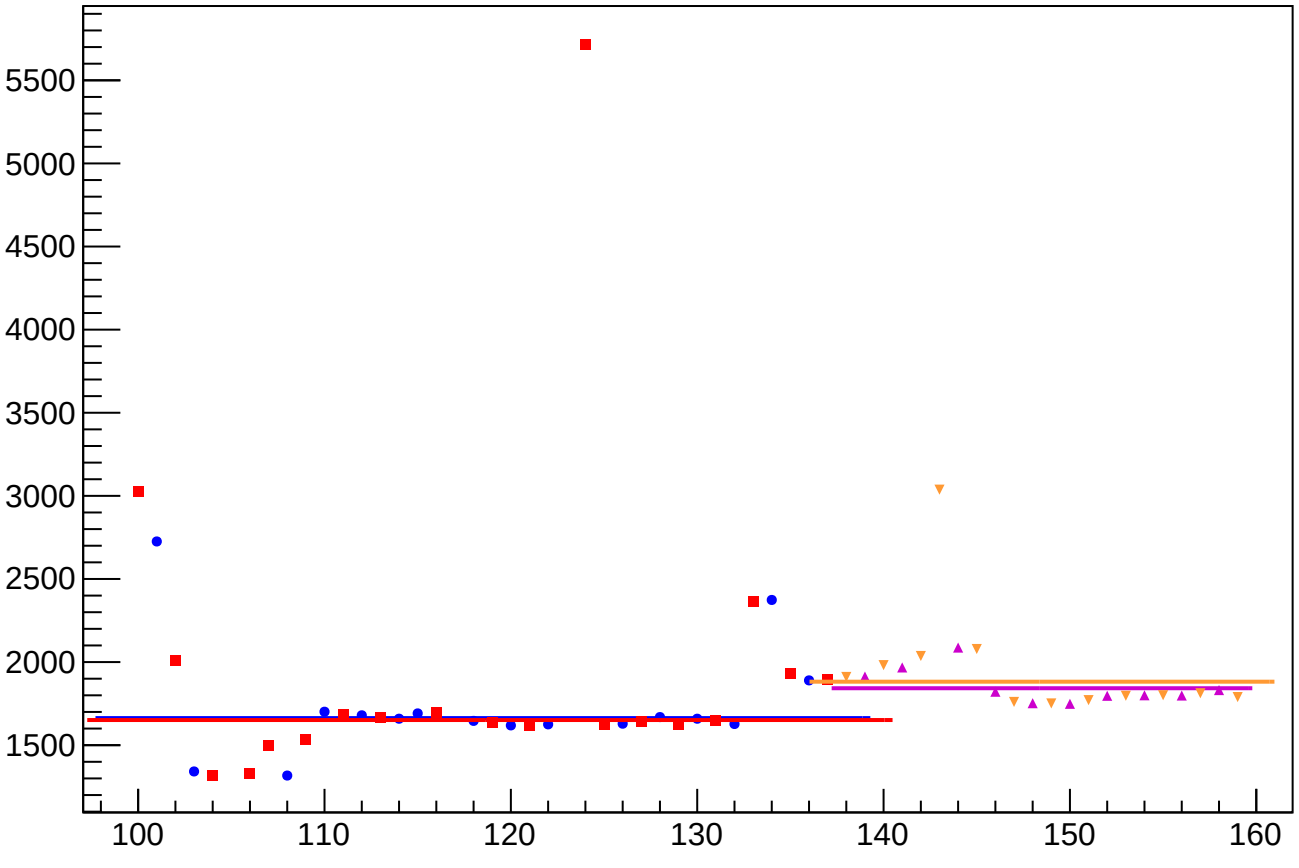
Left: 1368.186+/-437.872 χ^2/NDF: 34.6/21

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3174.163+/-442.896 χ^2/NDF:8.3/25

Out: 821.548+/-436.758 χ^2/NDF:35.9/30

All: 1981.439+/-310.982 χ^2/NDF: 58.6/56



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1881.989+/-0.434 χ^2/NDF:298389.4/11

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

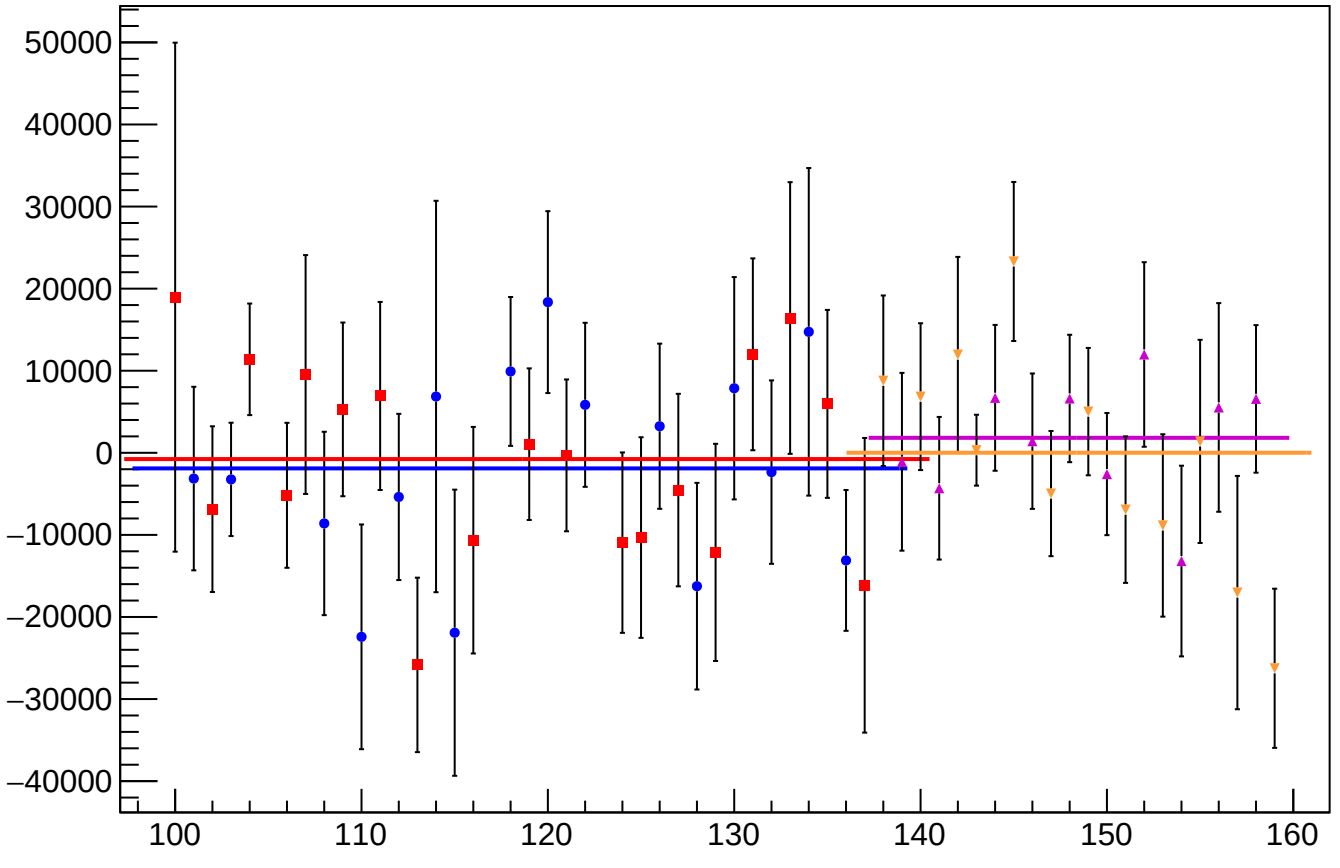
Left: 1862.621+/-0.310 χ^2/NDF: 349557.4/21

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1753.202+/-0.313 χ^2/NDF:545021.8/25

Out: 1768.072+/-0.309 χ^2/NDF:869797.5/30

All: 1760.741+/-0.220 χ^2/NDF: 1415962.4/56



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 9.682+/-2427.657 χ^2/NDF:19.0/11

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1825.902+/-2914.981 χ^2/NDF:4.5/9

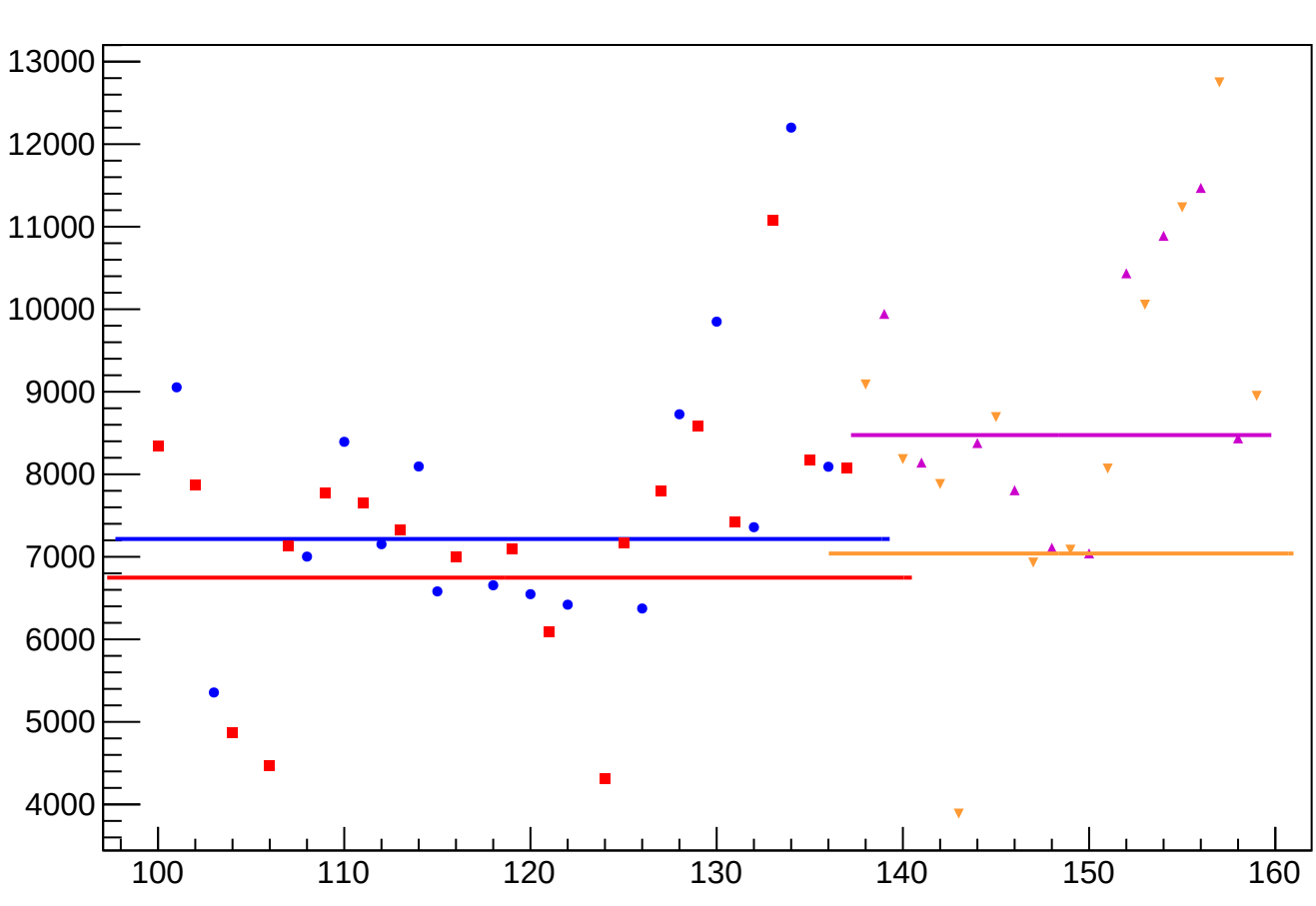
Left: 753.494+/-1865.448 χ^2/NDF: 23.6/21

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -152.326+/-1996.450 χ^2/NDF:19.7/25

Out: -357.456+/-1758.255 χ^2/NDF:36.3/30

All: -267.852+/-1319.494 χ^2/NDF: 56.0/56



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7040.043+/-1.717 χ^2/NDF:2048121.9/11

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

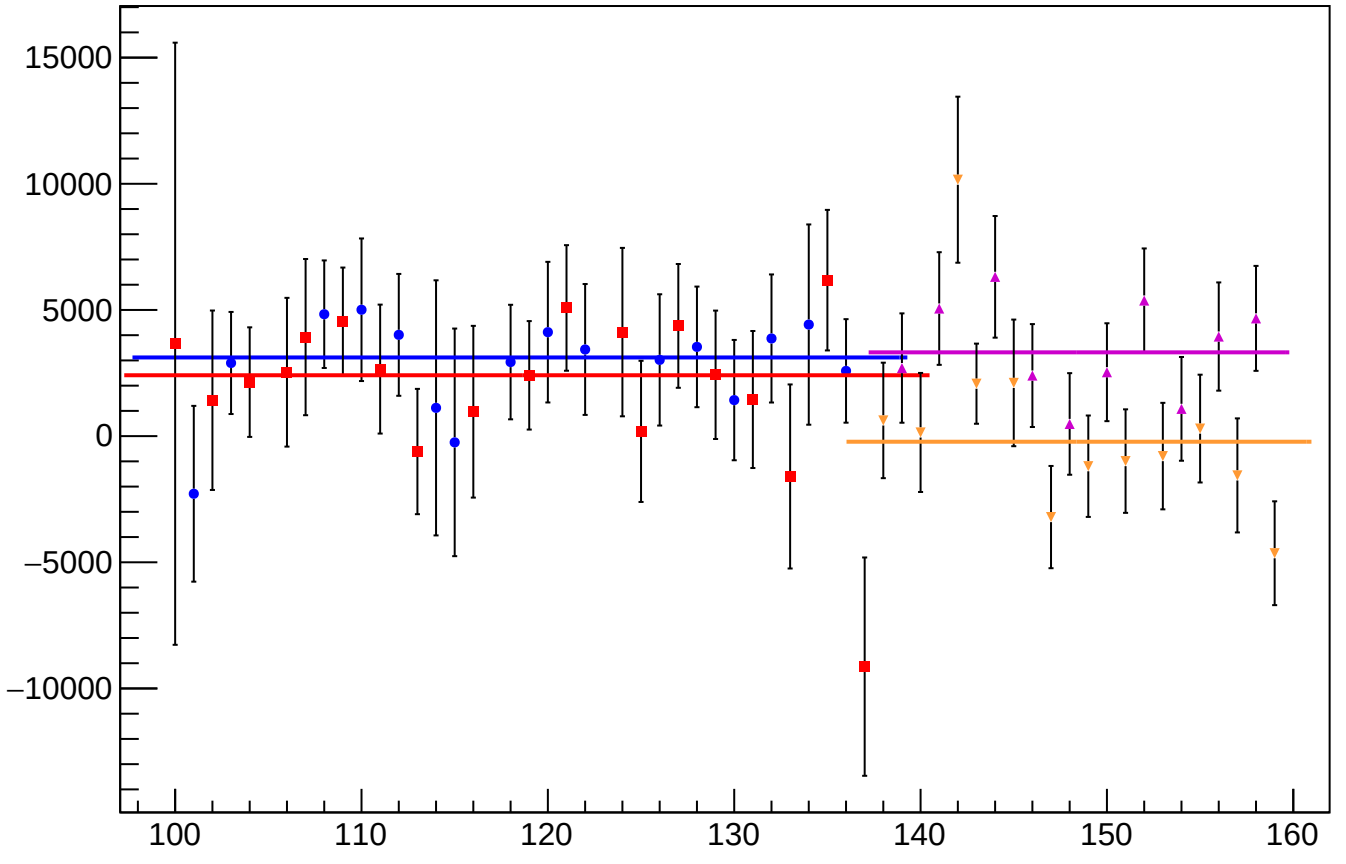
Left: 7627.719+/-1.319 χ^2/NDF: 2781865.8/21

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7806.592+/-1.412 χ^2/NDF:1157767.2/25

Out: 6901.067+/-1.243 χ^2/NDF:2770701.1/30

All: 7296.614+/-0.933 χ^2/NDF: 4160189.3/56



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: -221.944+/-617.434 χ^2/NDF:20.7/11

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3320.073+/-665.378 χ^2/NDF:7.3/9

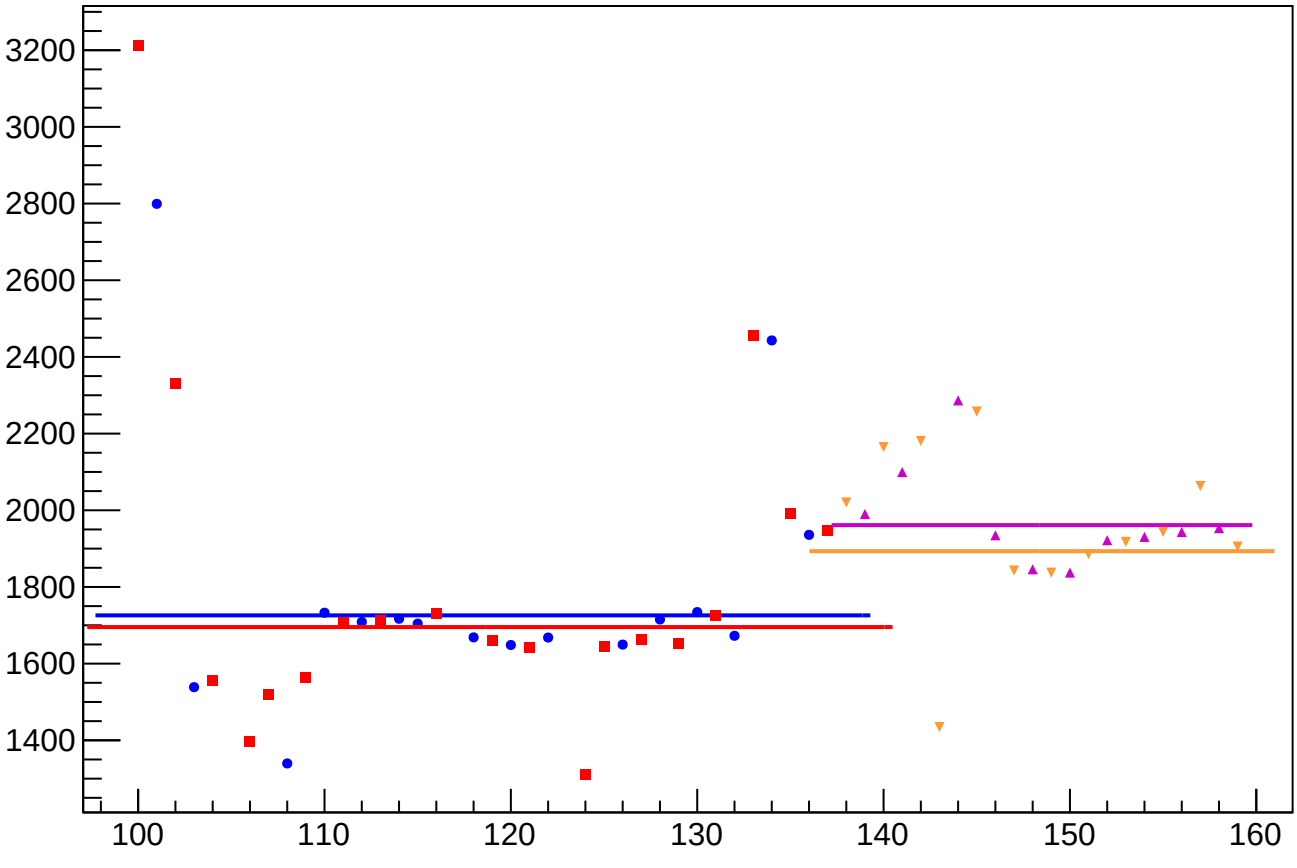
Left: 1416.869+/-452.593 χ^2/NDF: 43.2/21

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3216.786+/-465.370 χ^2/NDF:12.6/25

Out: 1050.022+/-444.026 χ^2/NDF:45.5/30

All: 2082.577+/-321.254 χ^2/NDF: 69.5/56



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1893.367+/-0.437 χ^2/NDF:272555.3/11

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1961.315+/-0.470 χ^2/NDF:60862.5/9

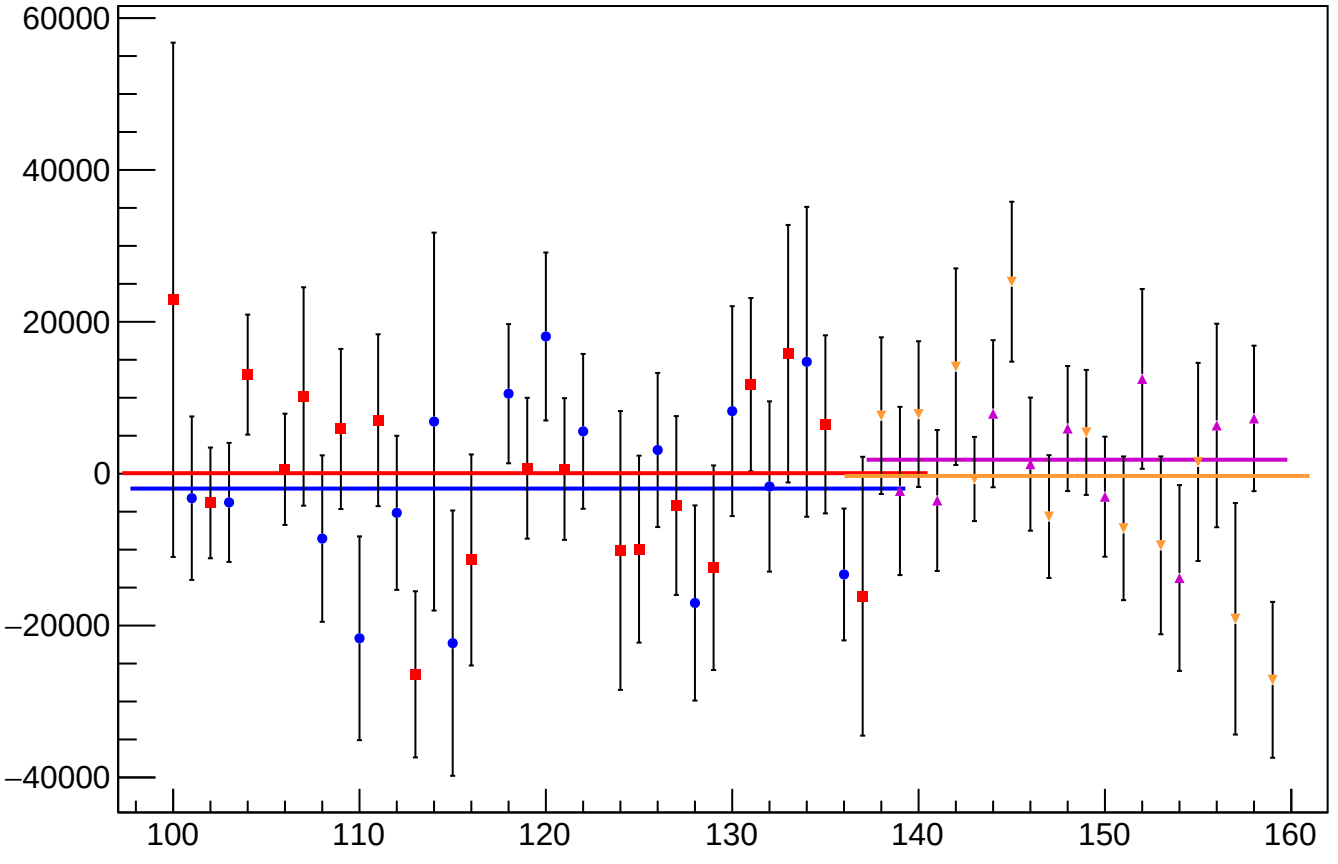
Left: 1924.805+/-0.320 χ^2/NDF: 344624.5/21

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1841.063+/-0.329 χ^2/NDF:554380.2/25

Out: 1797.741+/-0.314 χ^2/NDF:657500.4/30

All: 1818.382+/-0.227 χ^2/NDF: 1220955.1/56



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -293.558+/-2712.139 χ^2/NDF:18.9/11

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 1841.841+/-3093.766 χ^2/NDF:4.4/9

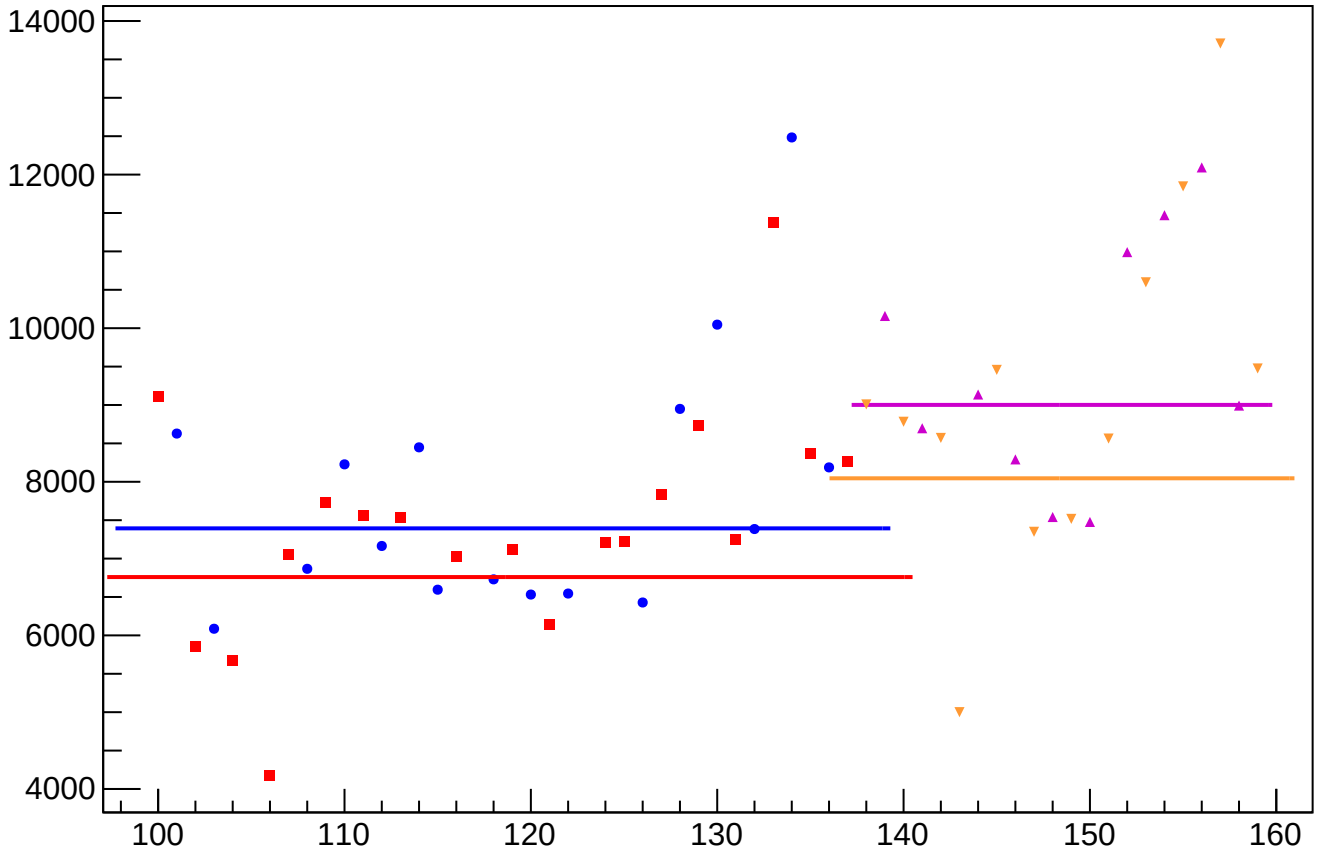
Left: 634.384+/-2039.428 χ^2/NDF: 23.5/21

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -248.451+/-2075.317 χ^2/NDF:19.6/25

Out: -100.115+/-1849.837 χ^2/NDF:35.0/30

All: -165.790+/-1380.896 χ^2/NDF: 54.6/56



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8045.426+/-1.918 χ^2/NDF:1280217.9/11

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9001.177+/-2.188 χ^2/NDF:419254.5/9

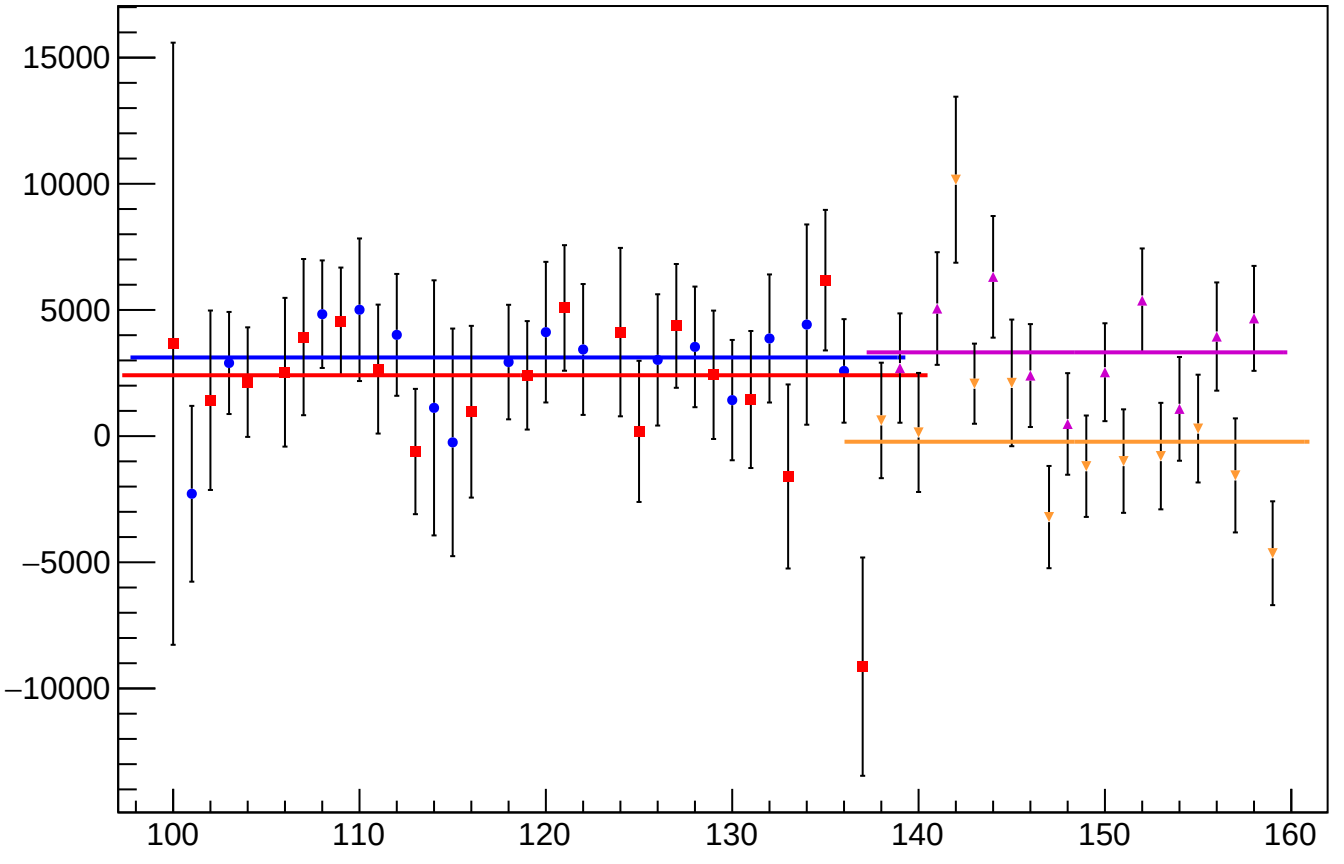
Left: 8460.749+/-1.442 χ^2/NDF: 1807401.1/21

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8116.991+/-1.467 χ^2/NDF:1118086.6/25

Out: 7357.679+/-1.308 χ^2/NDF:2164986.8/30

All: 7693.860+/-0.976 χ^2/NDF: 3432269.2/56



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: -221.954+/-617.435 χ^2/NDF:20.7/11

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3320.073+/-665.379 χ^2/NDF:7.3/9

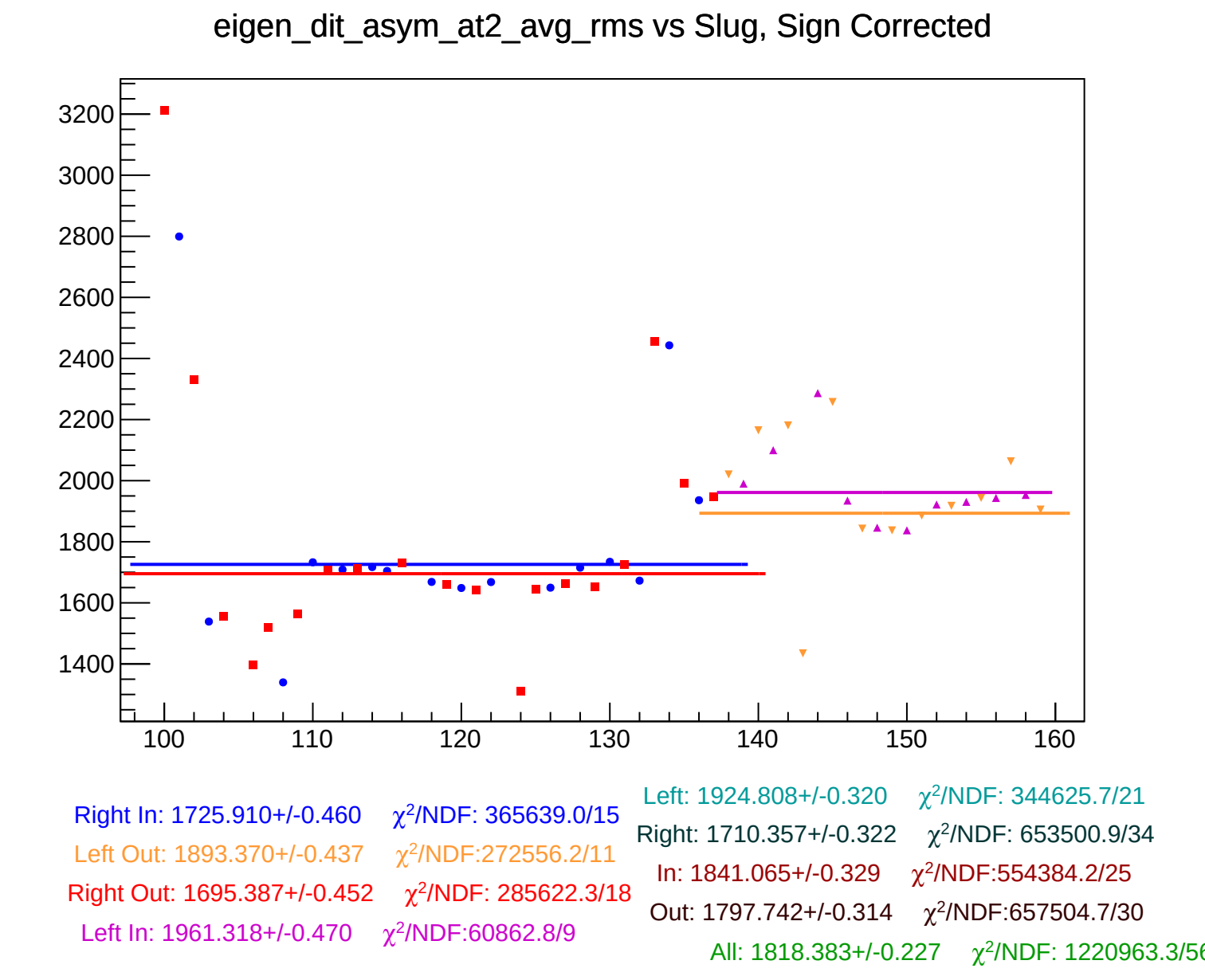
Left: 1416.863+/-452.594 χ^2/NDF: 43.2/21

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

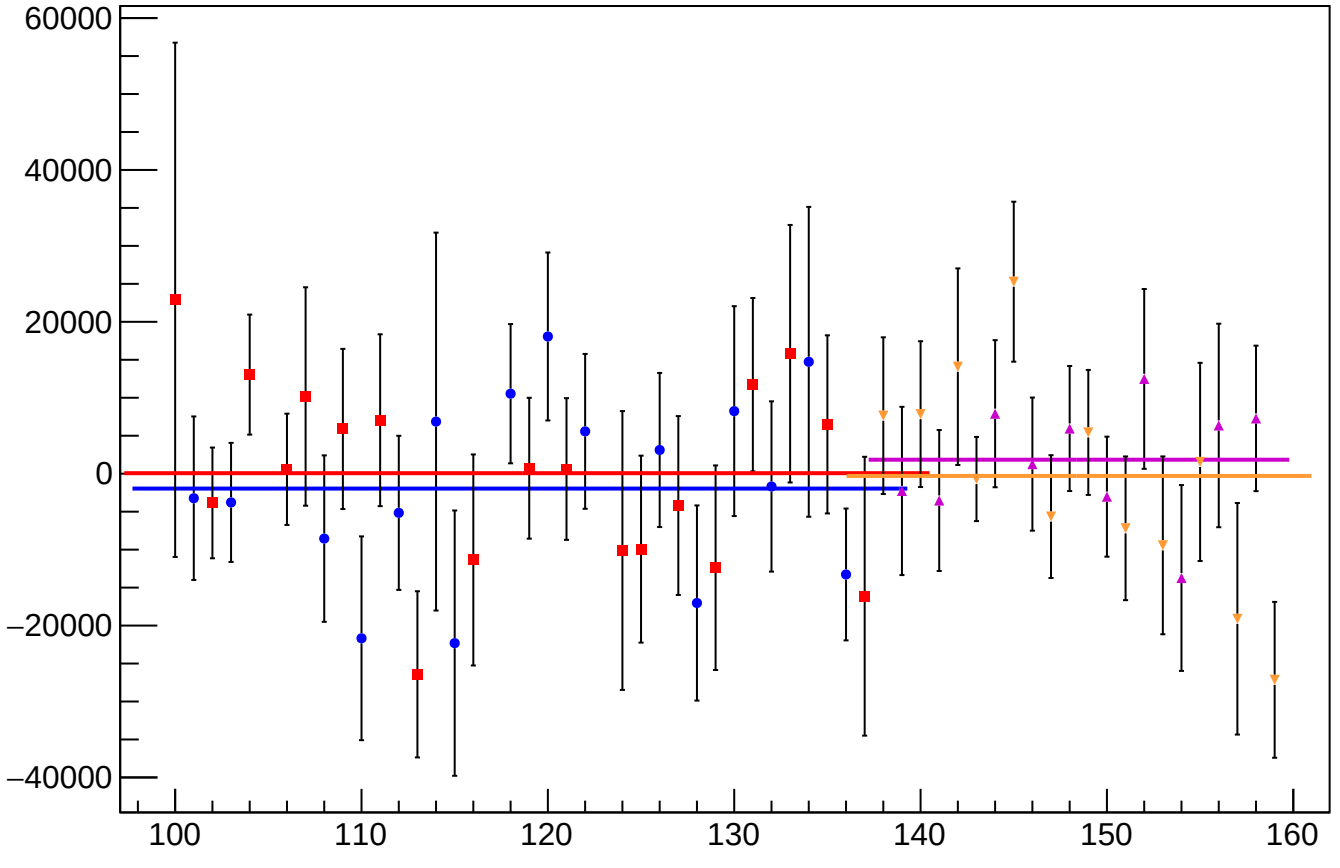
In: 3216.787+/-465.370 χ^2/NDF:12.6/25

Out: 1050.023+/-444.026 χ^2/NDF:45.5/30

All: 2082.579+/-321.255 χ^2/NDF: 69.5/56


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1893.370+/-0.437 χ²/NDF:272556.2/11
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1961.318+/-0.470 χ²/NDF:60862.8/9
Left: 1924.808+/-0.320 χ²/NDF: 344625.7/21
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1841.065+/-0.329 χ²/NDF:554384.2/25
Out: 1797.742+/-0.314 χ²/NDF:657504.7/30
All: 1818.383+/-0.227 χ²/NDF: 1220963.3/56

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -293.569+/-2712.143 χ^2/NDF:18.9/11

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 1841.841+/-3093.770 χ^2/NDF:4.4/9

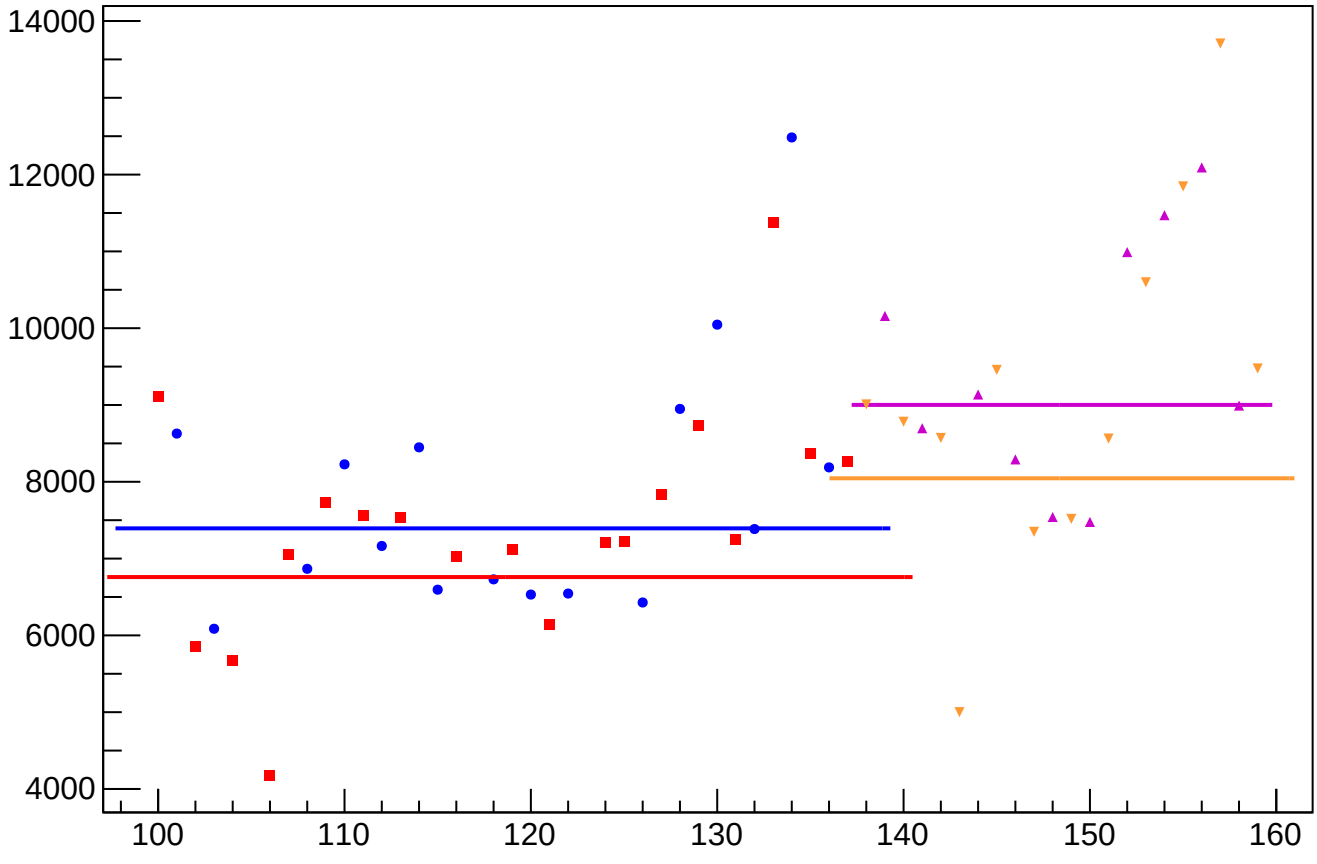
Left: 634.378+/-2039.430 χ^2/NDF: 23.5/21

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -248.447+/-2075.316 χ^2/NDF:19.6/25

Out: -100.115+/-1849.836 χ^2/NDF:35.0/30

All: -165.788+/-1380.895 χ^2/NDF: 54.6/56



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8045.438+/-1.918 χ^2/NDF:1280217.1/11

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9001.189+/-2.188 χ^2/NDF:419255.0/9

Left: 8460.761+/-1.442 χ^2/NDF: 1807400.5/21

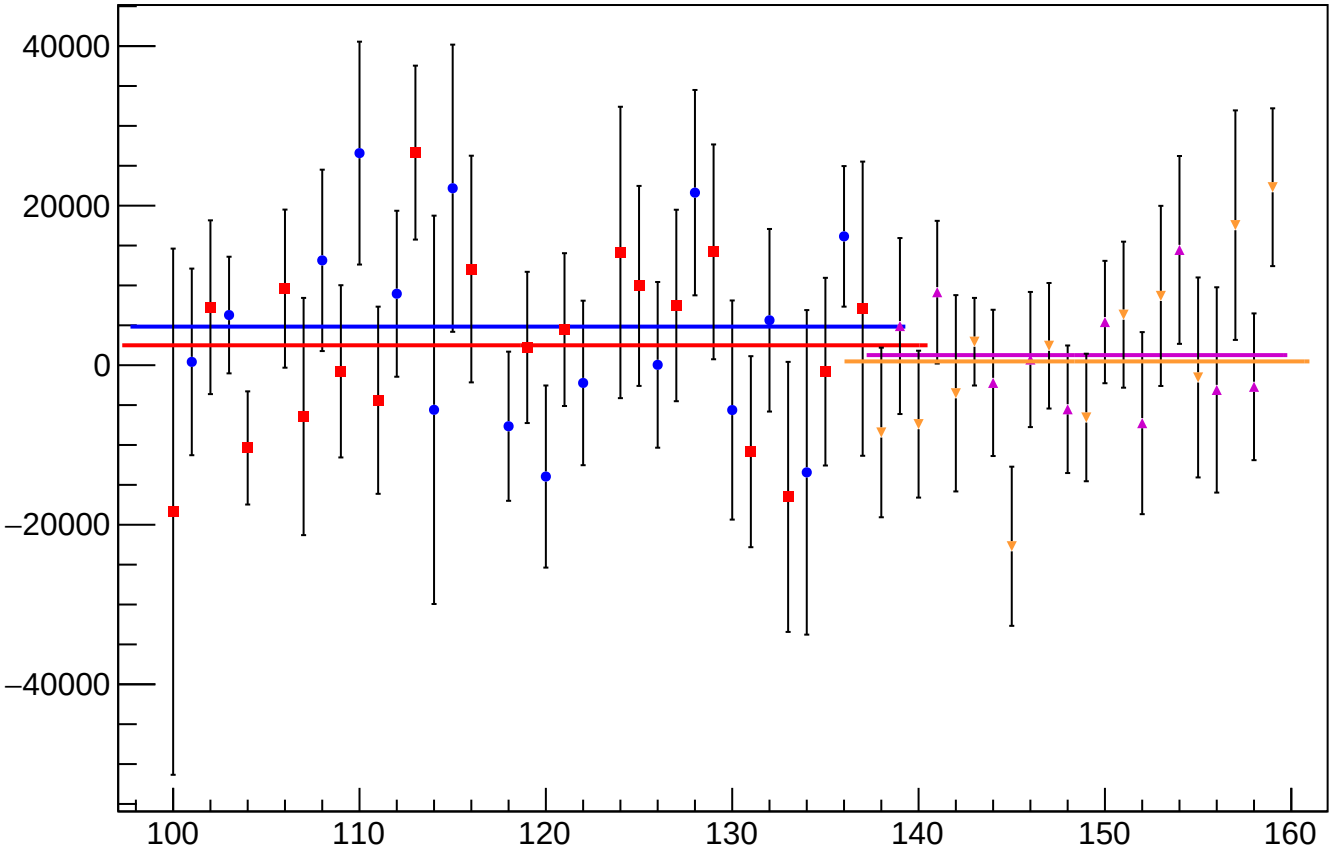
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8116.984+/-1.467 χ^2/NDF:1118100.3/25

Out: 7357.674+/-1.308 χ^2/NDF:2164994.7/30

All: 7693.854+/-0.976 χ^2/NDF: 3432289.9/56

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 475.474+/-2640.098 χ^2/NDF:15.2/11

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1264.804+/-2988.830 χ^2/NDF:4.2/9

Left: 821.424+/-1978.694 χ^2/NDF: 19.4/21

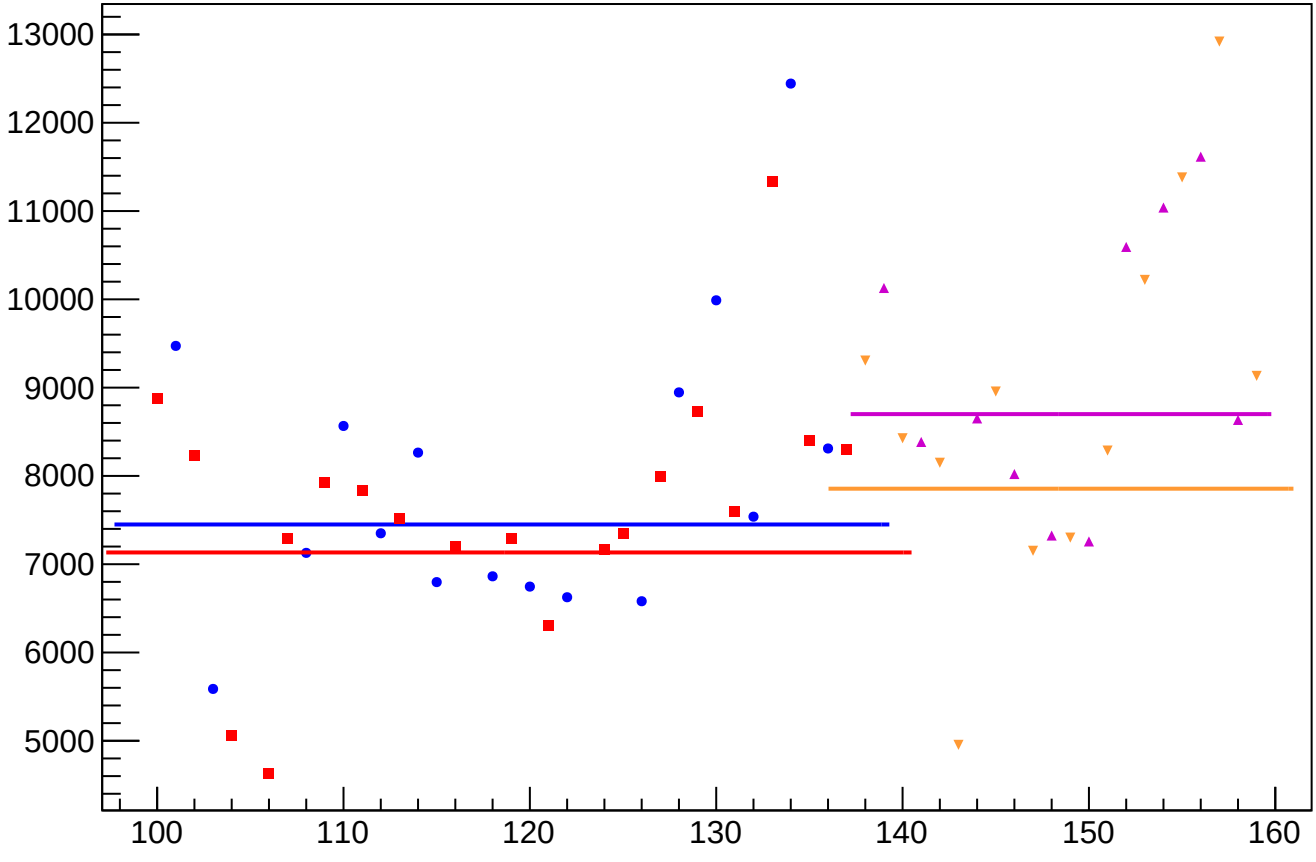
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3149.450+/-2054.554 χ^2/NDF:19.2/25

Out: 1464.671+/-1886.124 χ^2/NDF:30.4/30

All: 2235.182+/-1389.426 χ^2/NDF: 50.0/56

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7855.304+/-1.867 χ^2/NDF:1186094.3/11

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8700.020+/-2.113 χ^2/NDF:415619.2/9

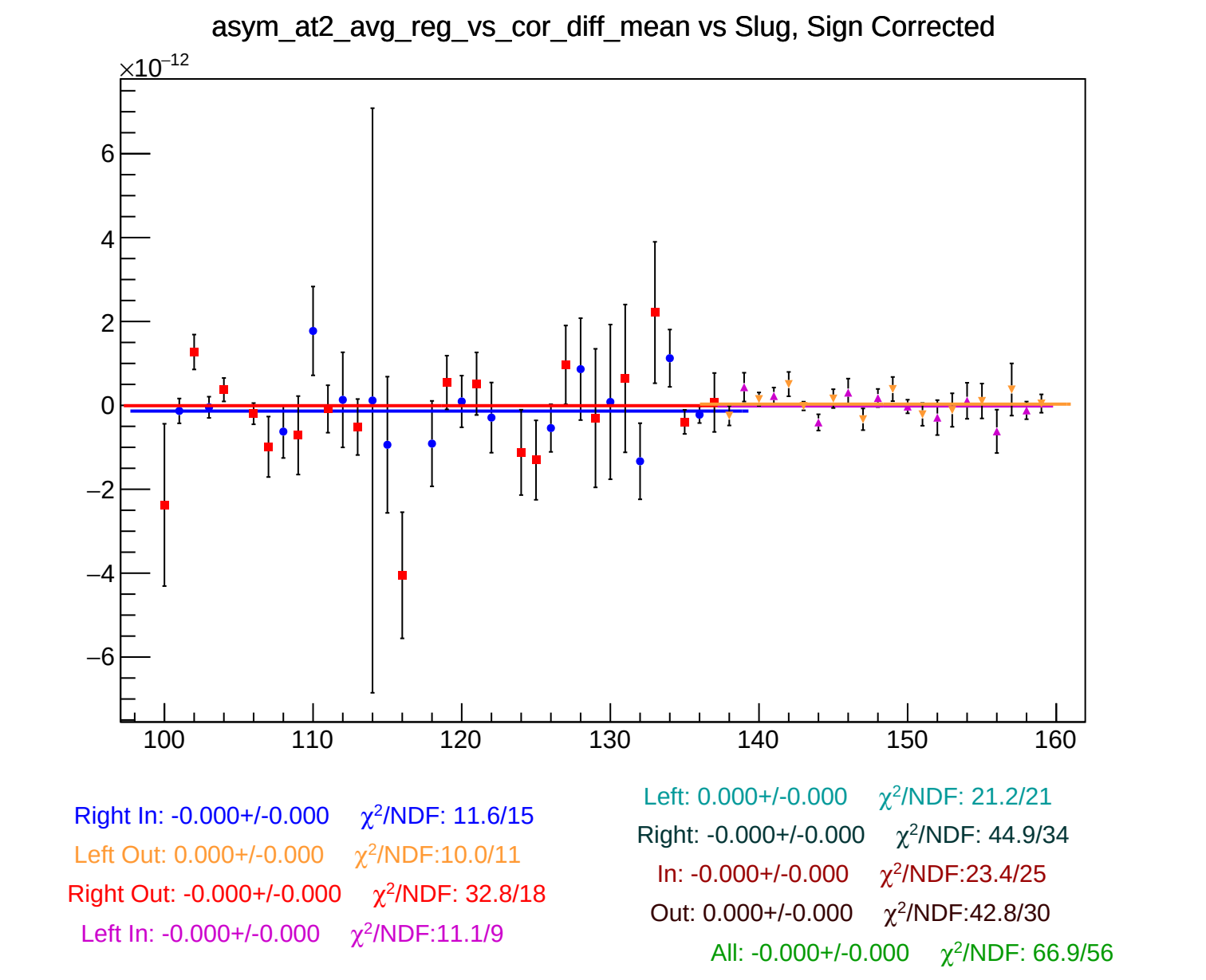
Left: 8225.529+/-1.399 χ^2/NDF: 1691449.5/21

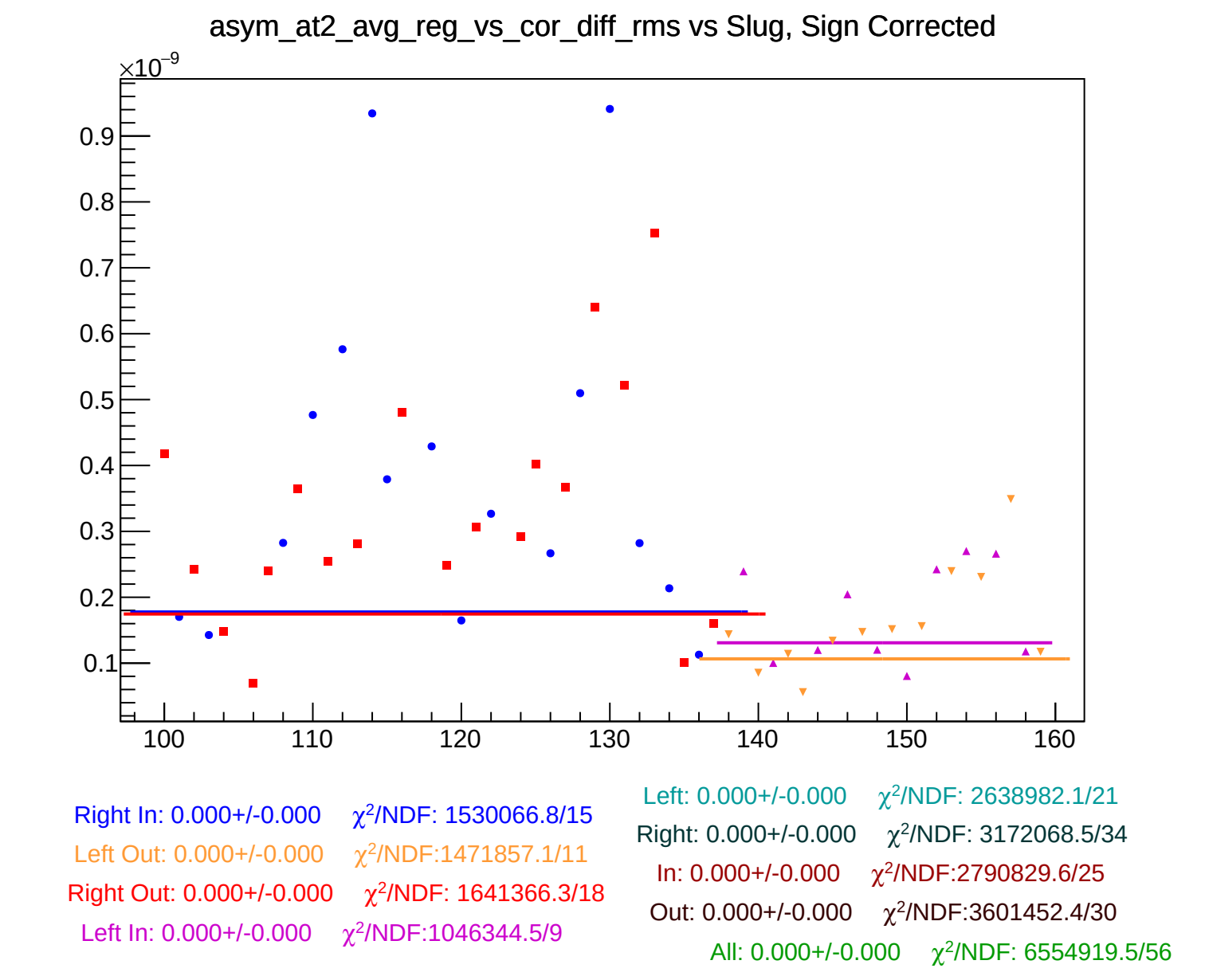
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8040.664+/-1.453 χ^2/NDF:1086578.3/25

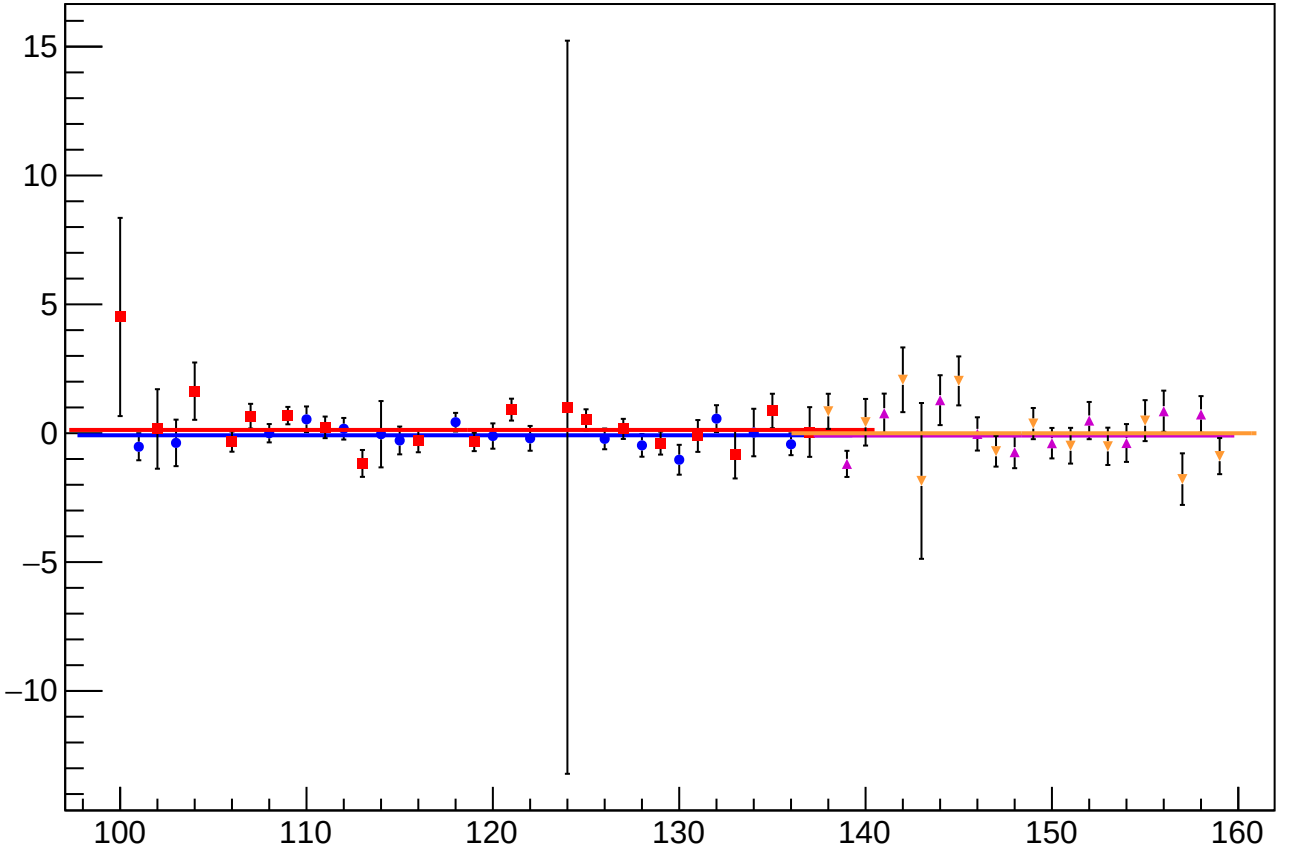
Out: 7501.686+/-1.334 χ^2/NDF:1816365.5/30

All: 7748.172+/-0.982 χ^2/NDF: 2977637.2/56


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.0/11
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:11.1/9
Left: 0.000+/-0.000 χ²/NDF: 21.2/21
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:23.4/25
Out: 0.000+/-0.000 χ²/NDF:42.8/30
All: -0.000+/-0.000 χ²/NDF: 66.9/56


asym_at2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1471857.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1046344.5/9
Left: 0.000+/-0.000 χ²/NDF: 2638982.1/21
Right: 0.000+/-0.000 χ²/NDF: 3172068.5/34
In: 0.000+/-0.000 χ²/NDF:2790829.6/25
Out: 0.000+/-0.000 χ²/NDF:3601452.4/30
All: 0.000+/-0.000 χ²/NDF: 6554919.5/56

asym_at2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

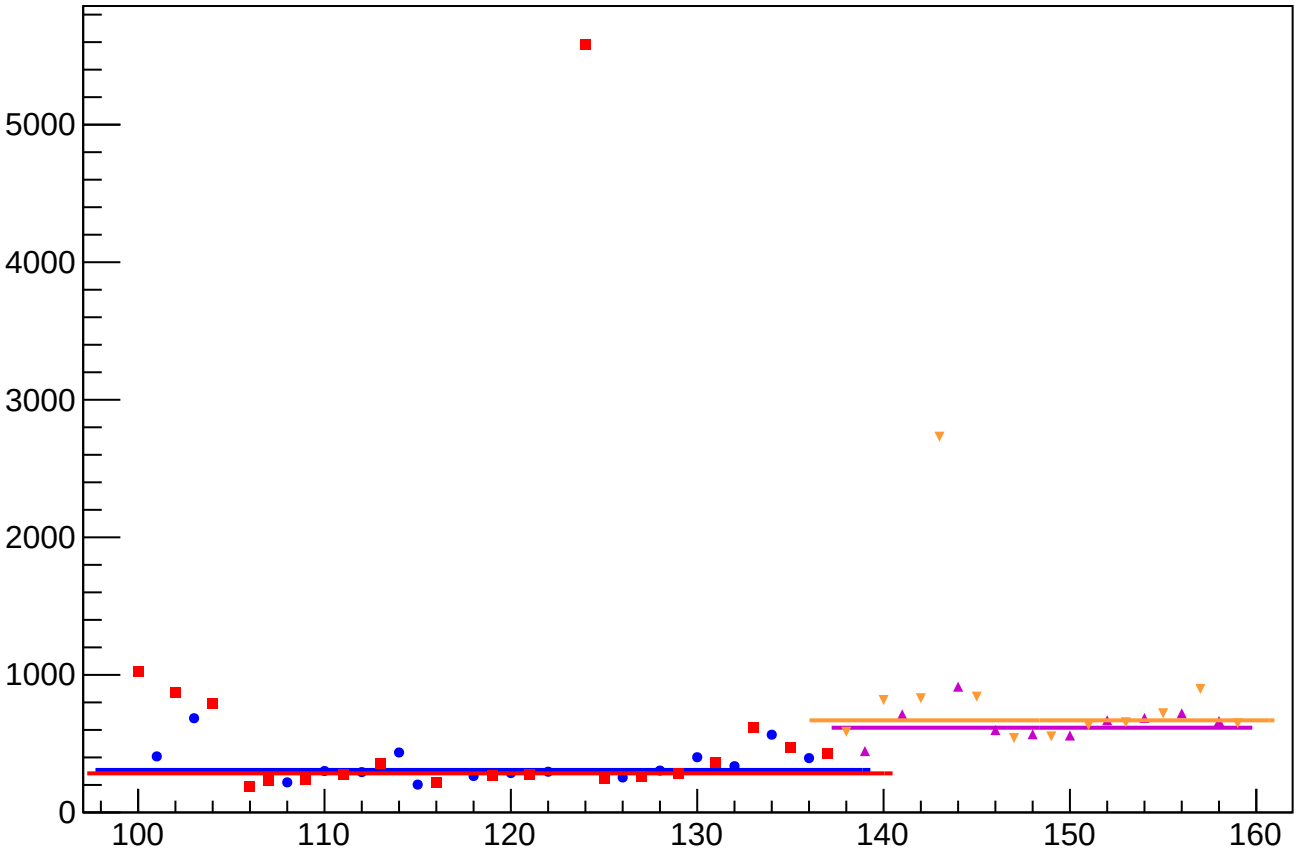
Left: -0.048+/-0.156 χ^2/NDF: 30.3/21

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.082+/-0.106 χ^2/NDF:23.6/25

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.011+/-0.074 χ^2/NDF: 68.0/56



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 669.736+/-0.161 χ^2/NDF:1399112.3/11

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

Left: 641.260+/-0.110 χ^2/NDF: 2010069.9/21

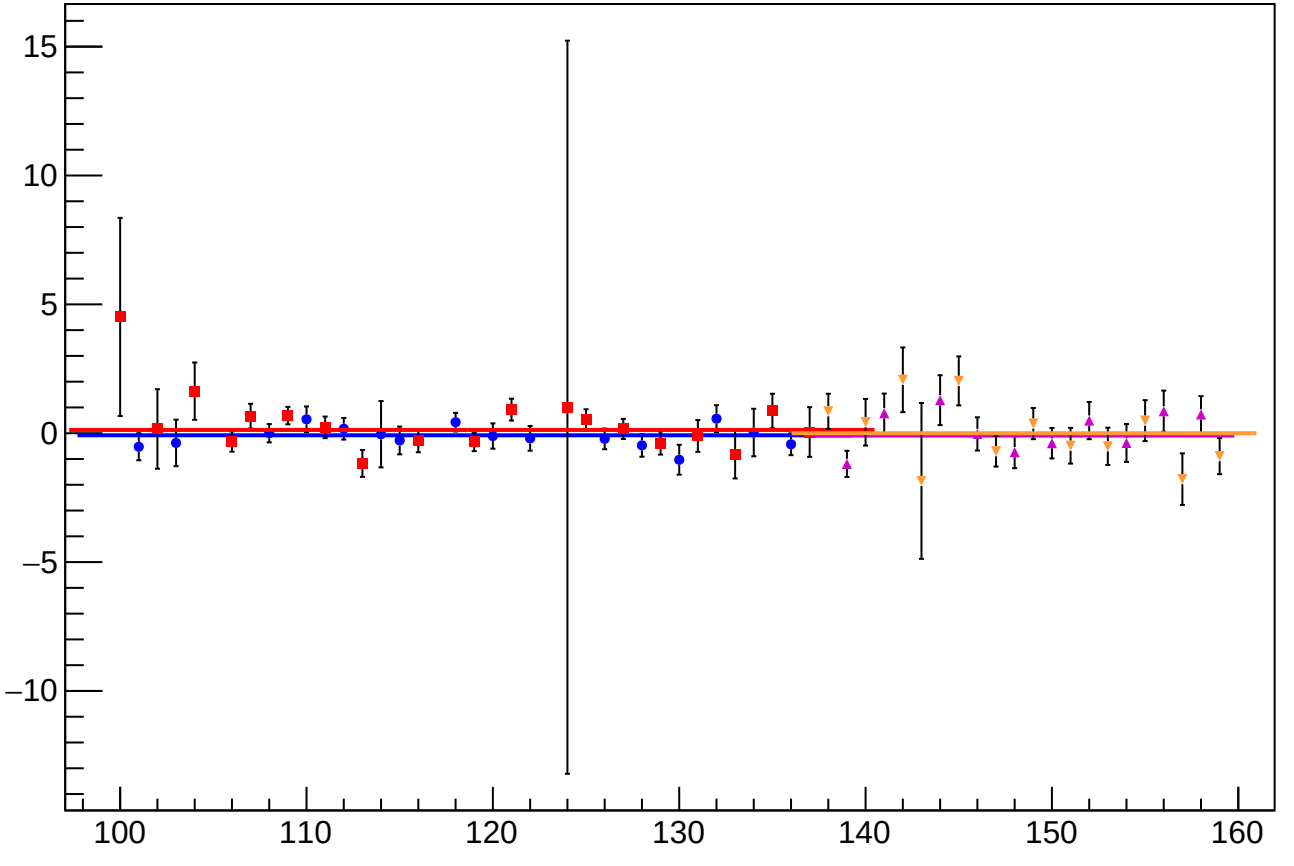
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 384.234+/-0.075 χ^2/NDF:4671684.0/25

Out: 364.918+/-0.074 χ^2/NDF:7809978.8/30

All: 374.397+/-0.052 χ^2/NDF: 12515546.7/56

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: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

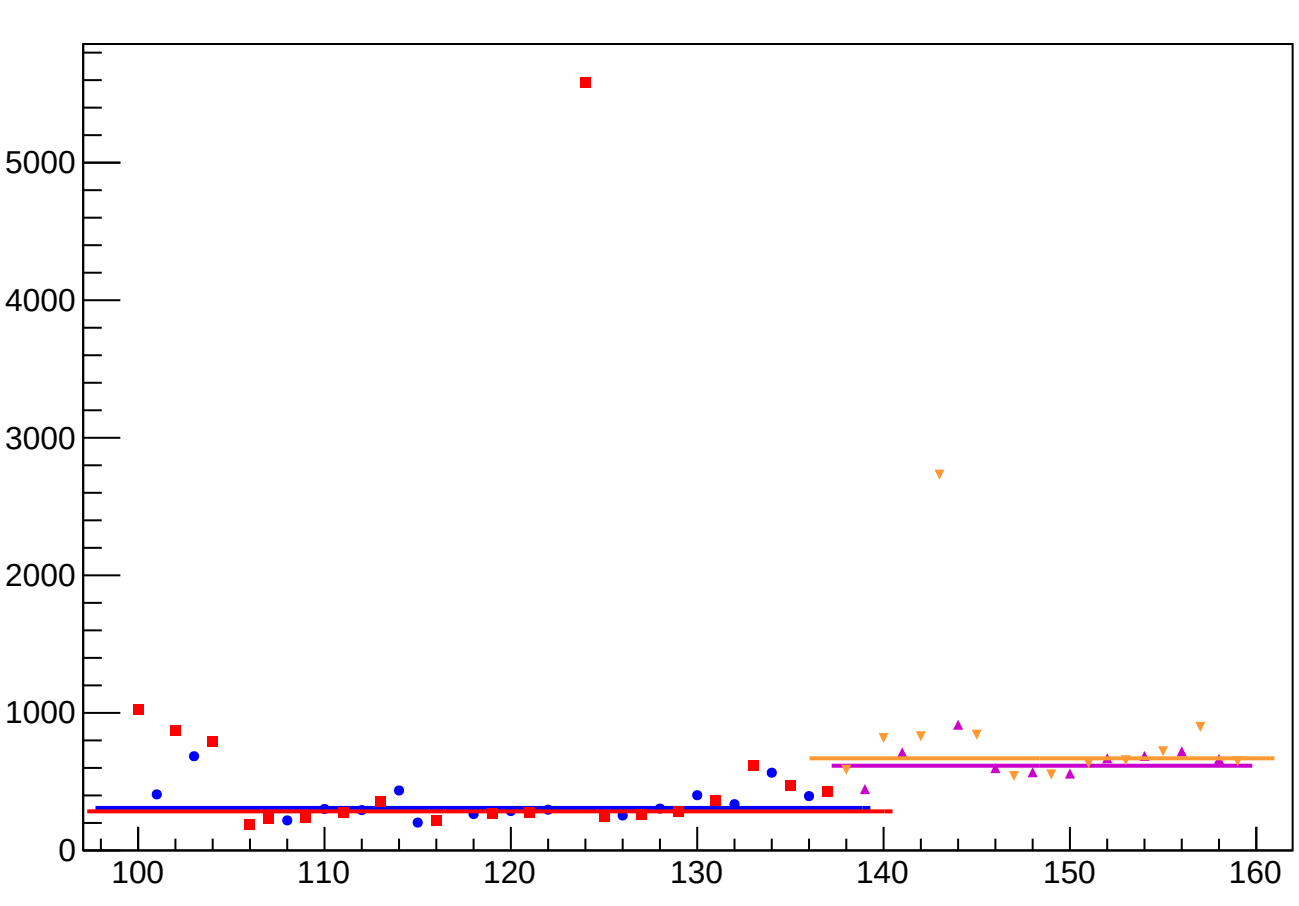
Left: -0.048+/-0.156 χ^2/NDF: 30.3/21

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.082+/-0.106 χ^2/NDF:23.6/25

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.011+/-0.074 χ^2/NDF: 68.0/56



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 669.736+/-0.161 χ^2/NDF:1399112.3/11

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

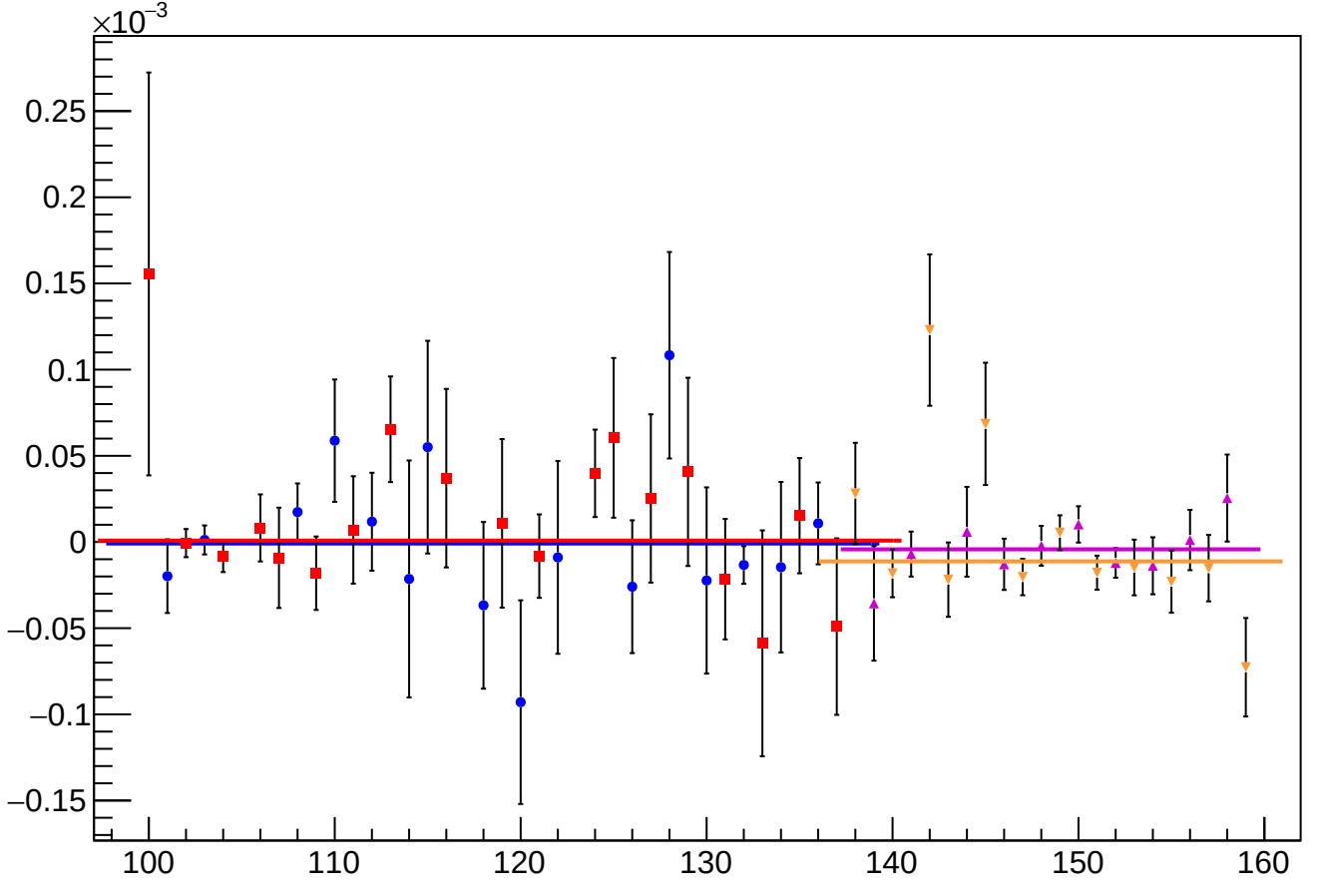
Left: 641.260+/-0.110 χ^2/NDF: 2010069.9/21

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 384.234+/-0.075 χ^2/NDF:4671684.0/25

Out: 364.918+/-0.074 χ^2/NDF:7809978.8/30

All: 374.397+/-0.052 χ^2/NDF: 12515546.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/9

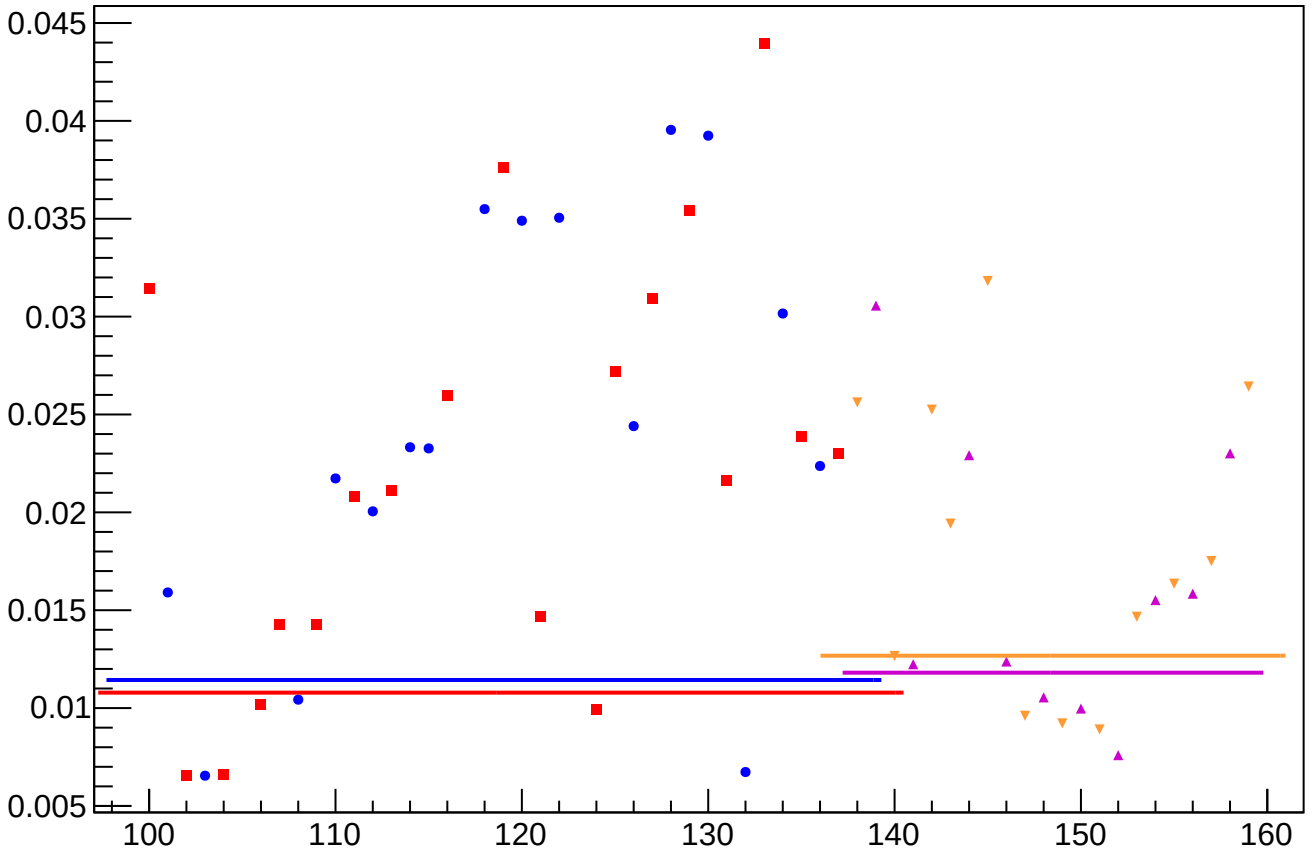
Left: -0.000+/-0.000 χ^2/NDF: 33.0/21

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:20.7/25

Out: -0.000+/-0.000 χ^2/NDF:45.2/30

All: -0.000+/-0.000 χ^2/NDF: 66.3/56



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:2726797.8/11

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:2169314.8/9

Left: 0.012+/-0.000 χ^2/NDF: 4934193.4/21

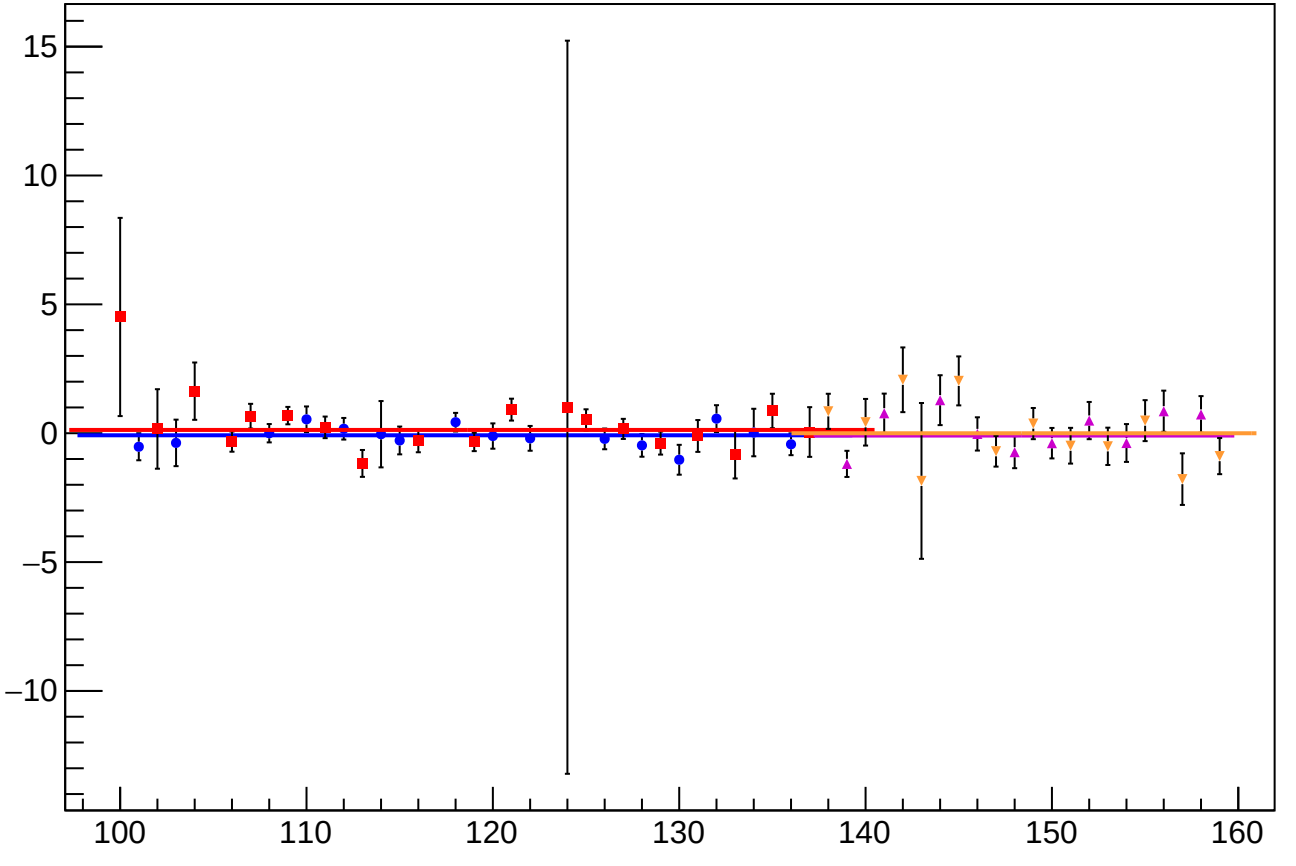
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:6875089.4/25

Out: 0.012+/-0.000 χ^2/NDF:7364024.7/30

All: 0.012+/-0.000 χ^2/NDF: 14241102.2/56

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: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

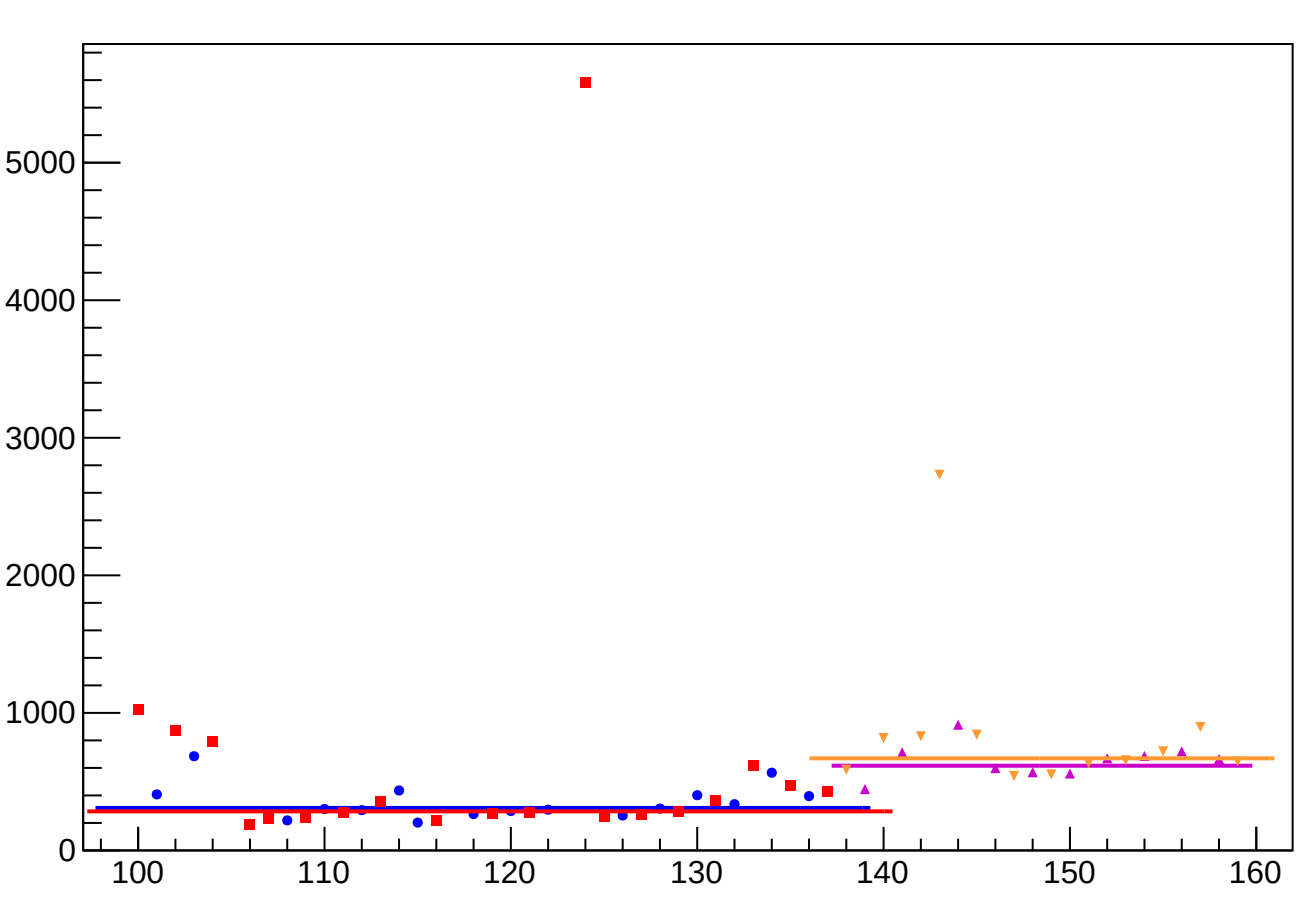
Left: -0.048+/-0.156 χ^2/NDF: 30.3/21

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.083+/-0.106 χ^2/NDF:23.6/25

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.011+/-0.074 χ^2/NDF: 68.0/56



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 669.744+/-0.161 χ^2/NDF:1399114.8/11

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

Left: 641.268+/-0.110 χ^2/NDF: 2010052.2/21

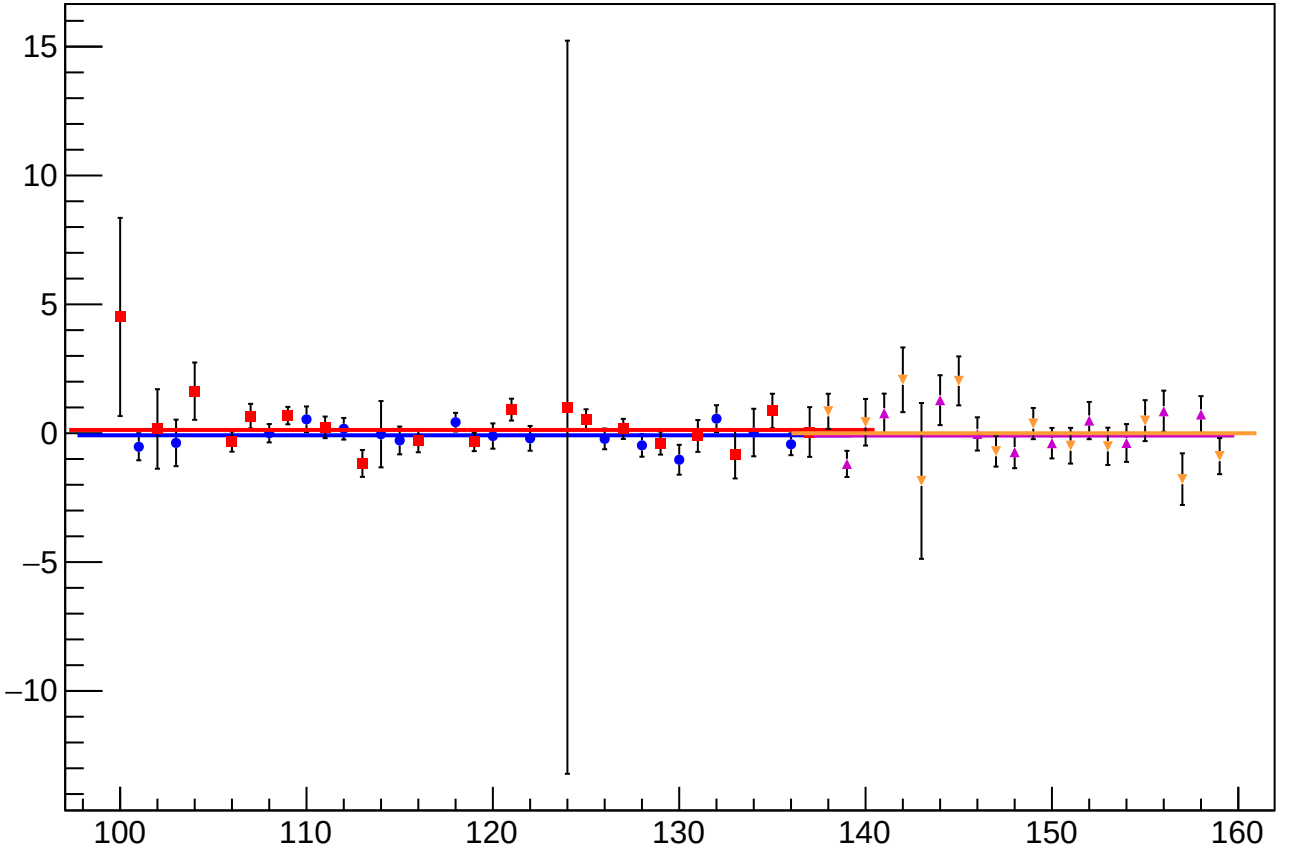
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 384.233+/-0.075 χ^2/NDF:4671768.5/25

Out: 364.918+/-0.074 χ^2/NDF:7810087.2/30

All: 374.396+/-0.052 χ^2/NDF: 12515740.9/56

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: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

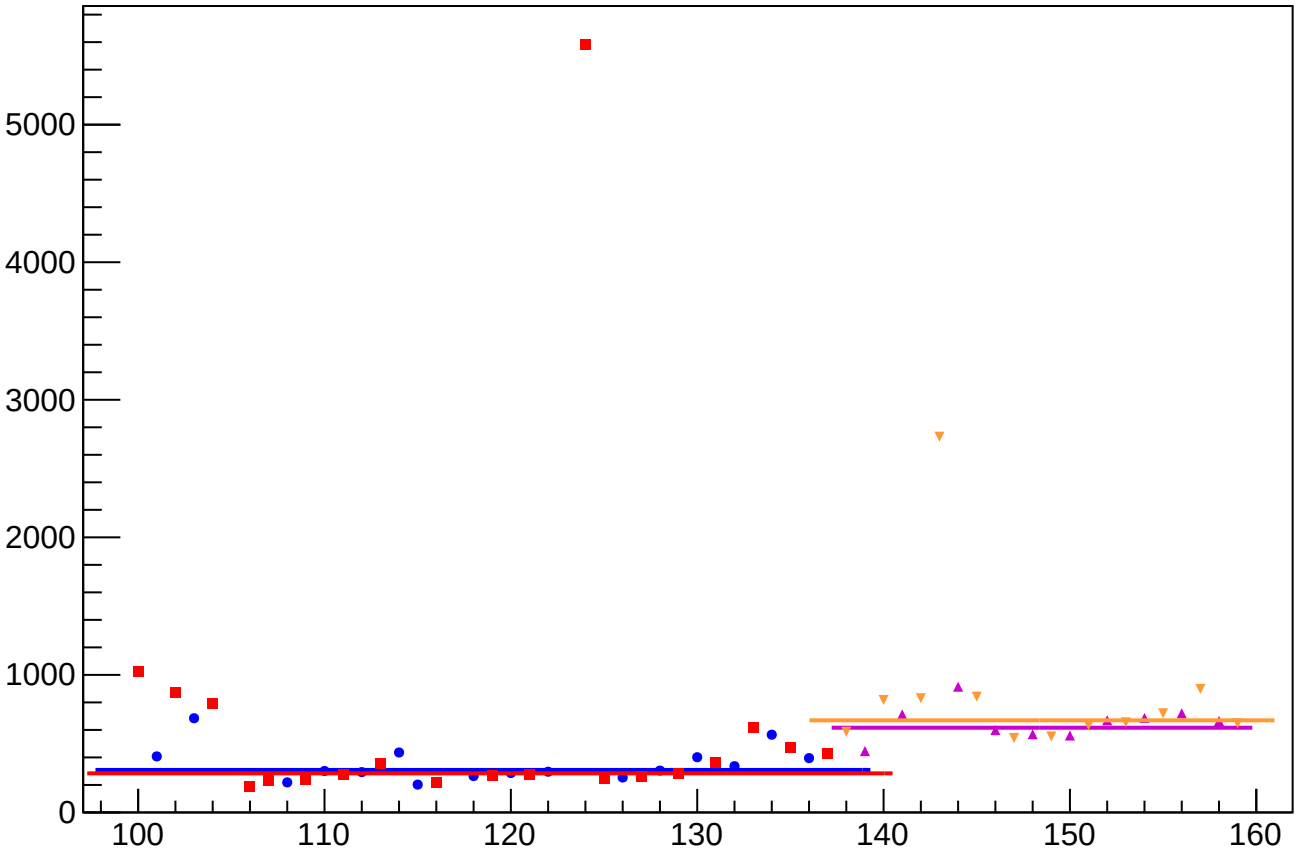
Left: -0.048+/-0.156 χ^2/NDF: 30.3/21

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.083+/-0.106 χ^2/NDF:23.6/25

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.011+/-0.074 χ^2/NDF: 68.0/56



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 669.744+/-0.161 χ^2/NDF:1399114.8/11

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

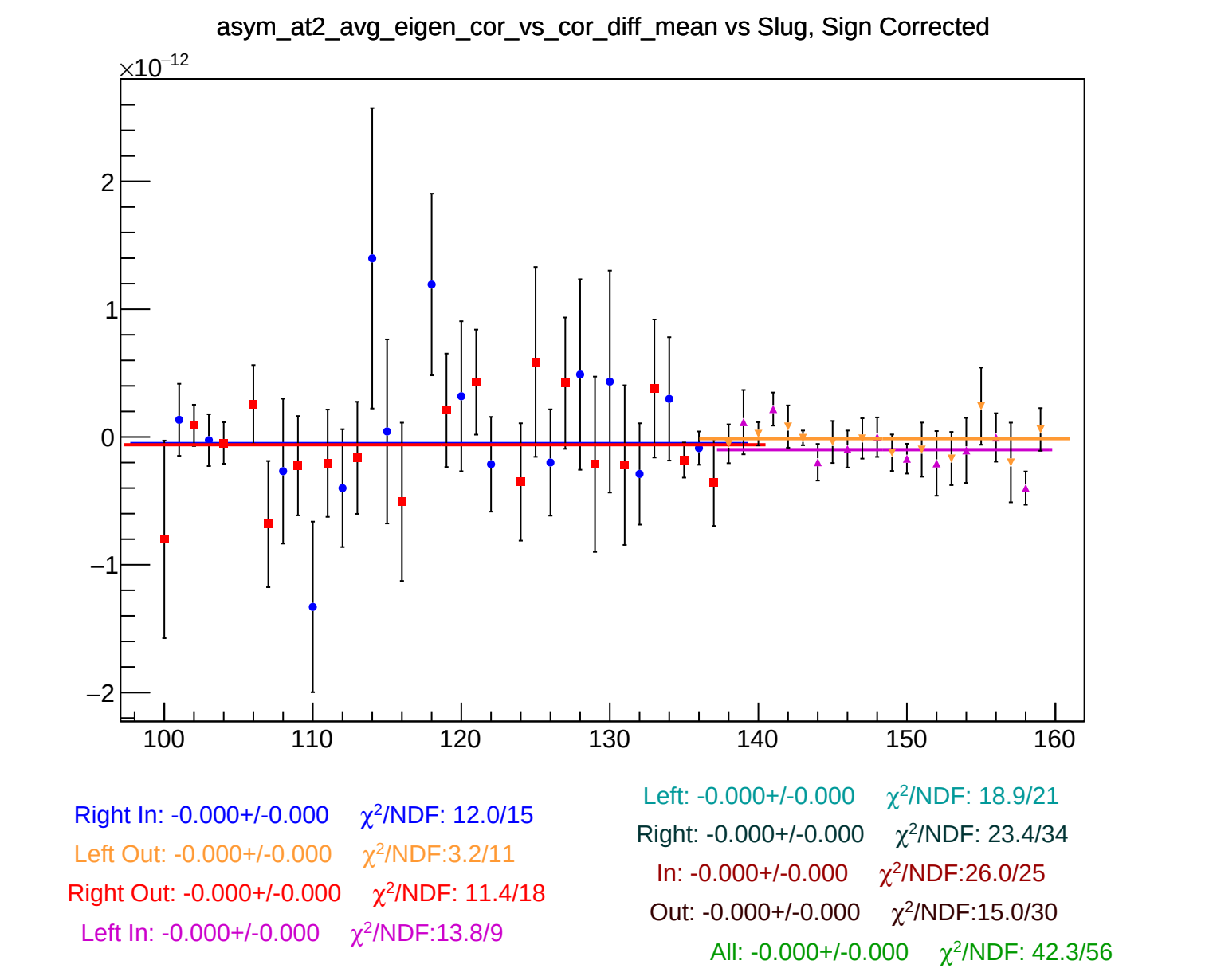
Left: 641.268+/-0.110 χ^2/NDF: 2010052.2/21

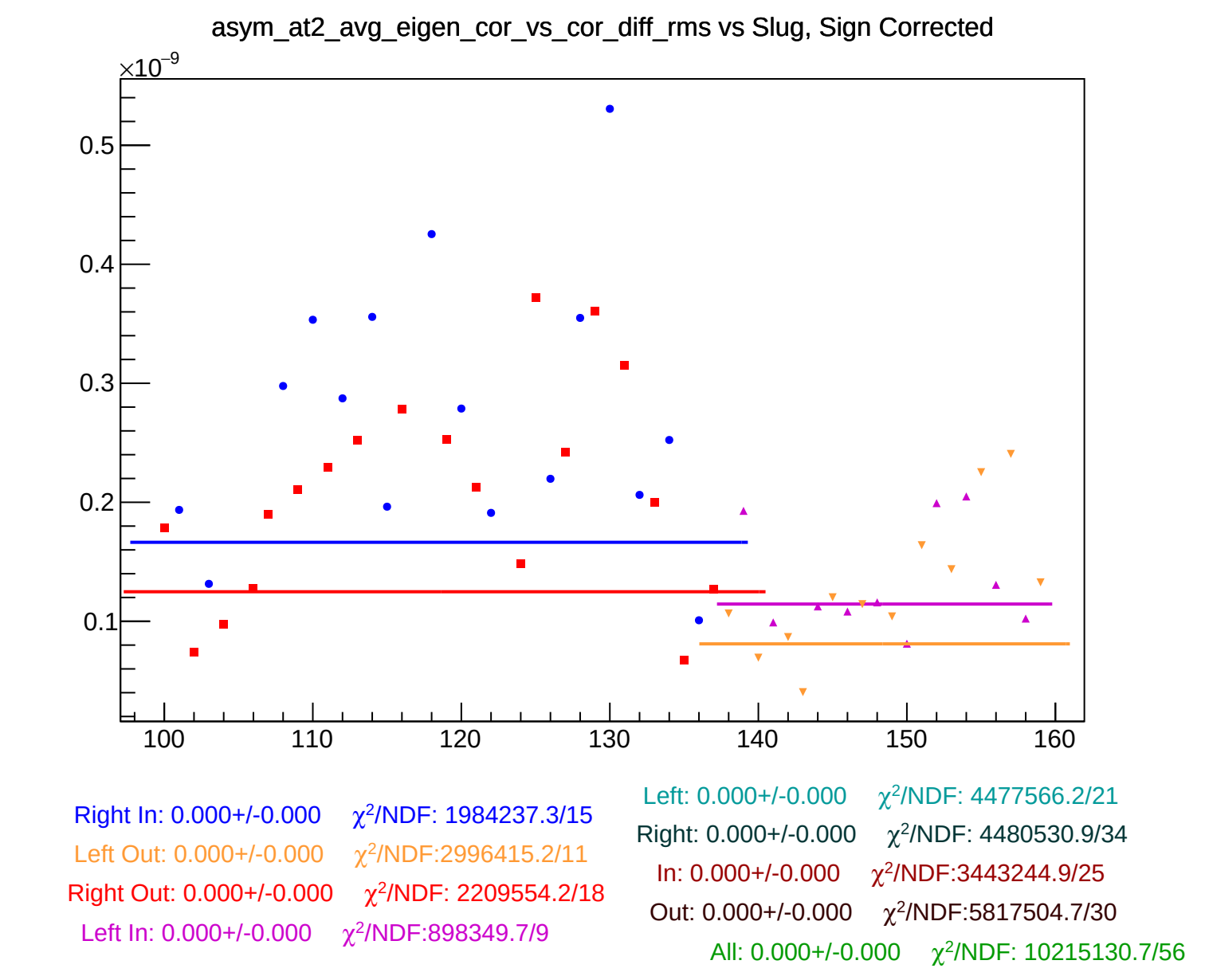
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 384.233+/-0.075 χ^2/NDF:4671768.5/25

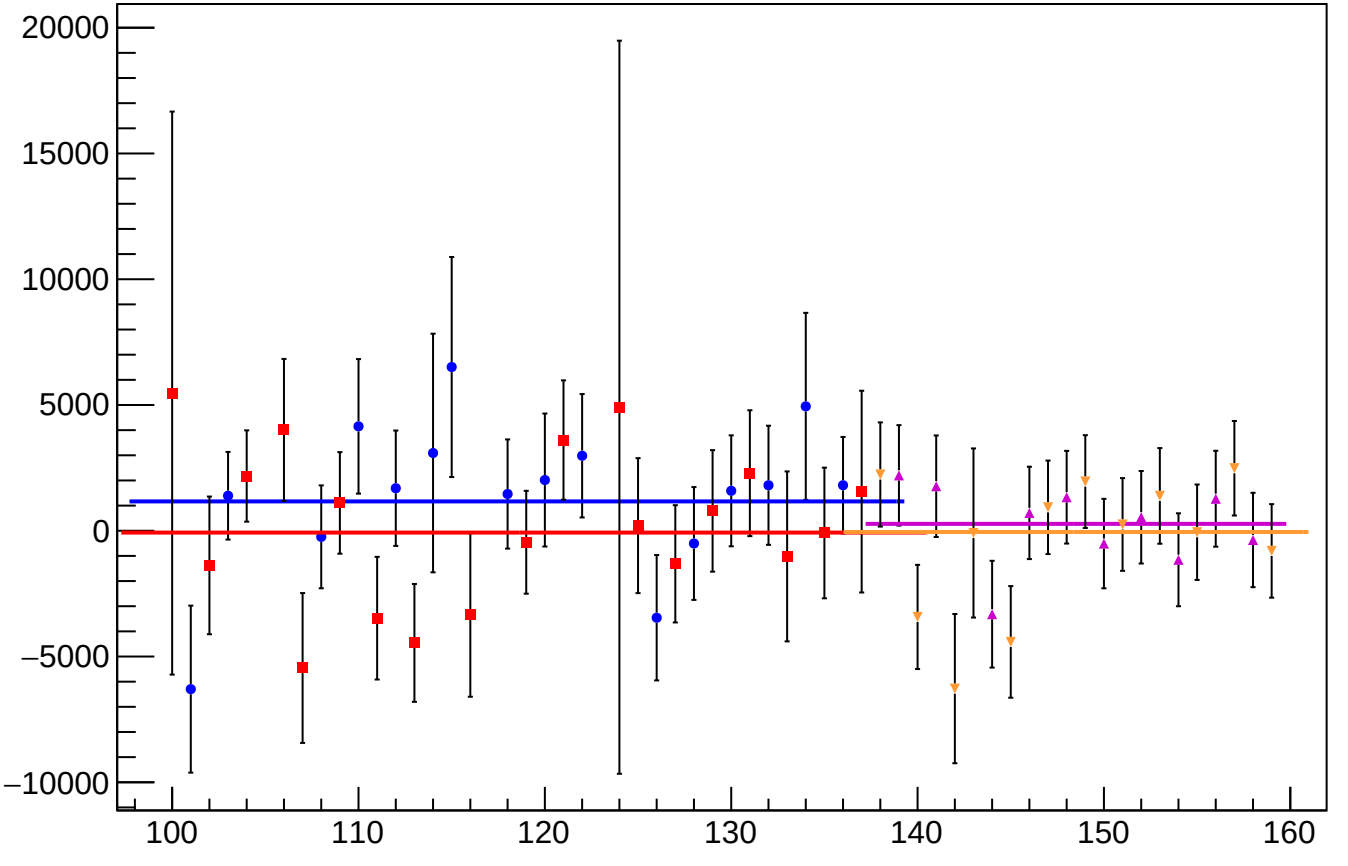
Out: 364.918+/-0.074 χ^2/NDF:7810087.2/30

All: 374.396+/-0.052 χ^2/NDF: 12515740.9/56


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/11
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.8/9
Left: -0.000+/-0.000 χ²/NDF: 18.9/21
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:26.0/25
Out: -0.000+/-0.000 χ²/NDF:15.0/30
All: -0.000+/-0.000 χ²/NDF: 42.3/56


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2996415.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:898349.7/9
Left: 0.000+/-0.000 χ²/NDF: 4477566.2/21
Right: 0.000+/-0.000 χ²/NDF: 4480530.9/34
In: 0.000+/-0.000 χ²/NDF:3443244.9/25
Out: 0.000+/-0.000 χ²/NDF:5817504.7/30
All: 0.000+/-0.000 χ²/NDF: 10215130.7/56

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -47.996+/-589.672 χ^2/NDF:16.2/11

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 273.872+/-600.440 χ^2/NDF:5.9/9

Left: 110.026+/-420.716 χ^2/NDF: 22.3/21

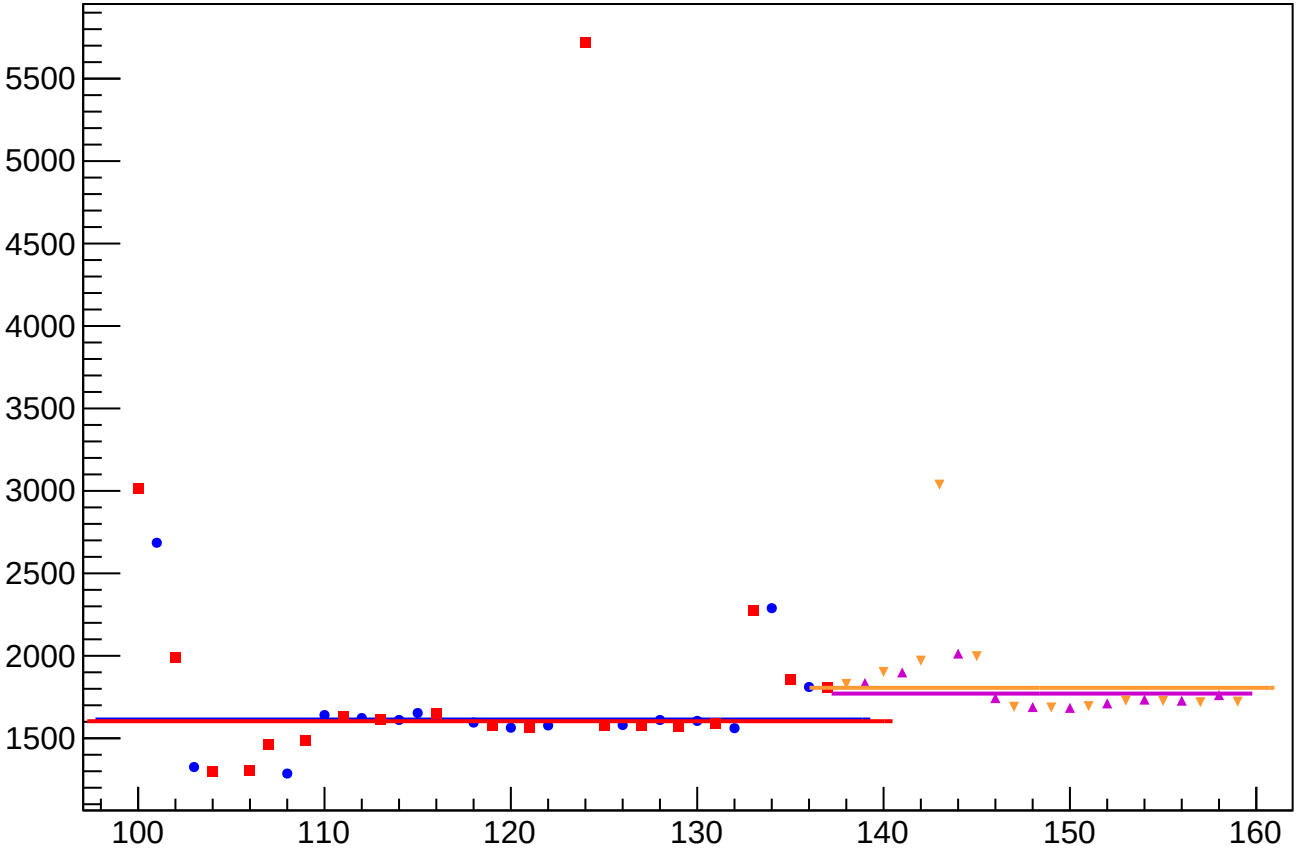
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 713.921+/-427.629 χ^2/NDF:21.5/25

Out: -59.811+/-421.718 χ^2/NDF:34.5/30

All: 321.671+/-300.267 χ^2/NDF: 57.6/56

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1806.055+/-0.417 χ^2/NDF:332743.4/11

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

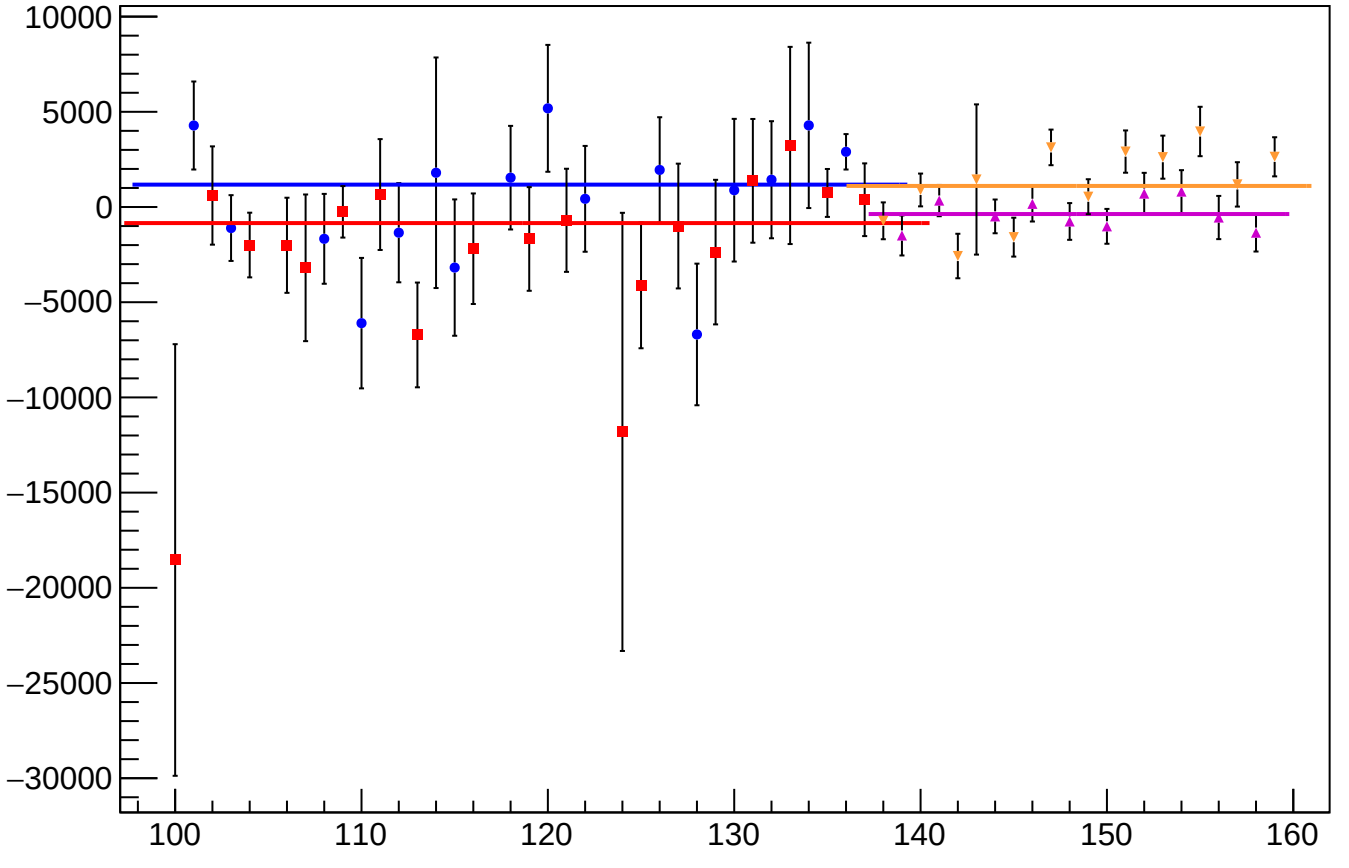
Left: 1788.799+/-0.297 χ^2/NDF: 385566.1/21

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1693.426+/-0.302 χ^2/NDF:521606.4/25

Out: 1707.084+/-0.298 χ^2/NDF:873865.6/30

All: 1700.350+/-0.212 χ^2/NDF: 1396506.2/56



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1107.086+/-310.466 χ^2/NDF:37.1/11

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -369.021+/-308.336 χ^2/NDF:6.0/9

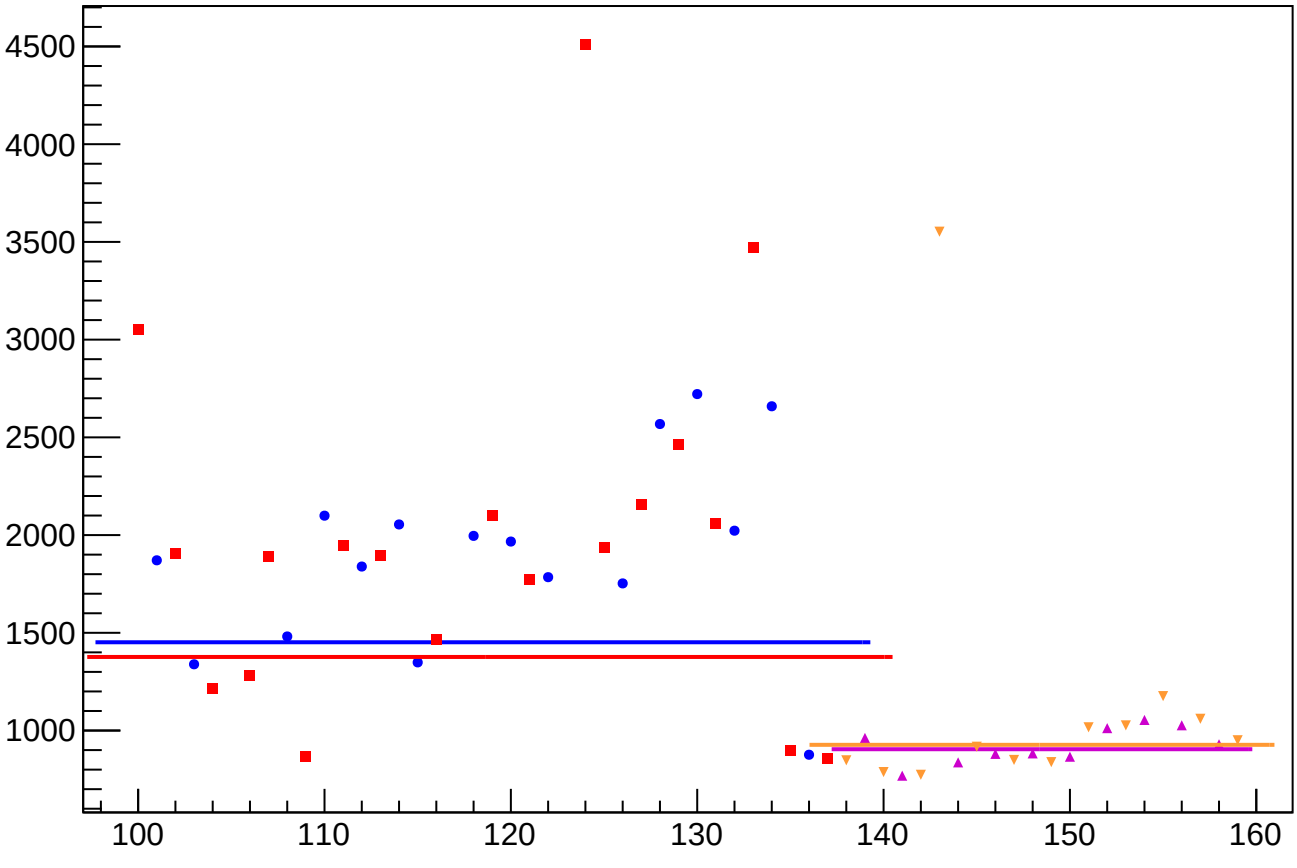
Left: 363.952+/-218.776 χ^2/NDF: 54.5/21

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -27.843+/-272.159 χ^2/NDF:33.5/25

Out: 645.191+/-271.235 χ^2/NDF:60.7/30

All: 309.817+/-192.118 χ^2/NDF: 97.3/56



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 926.900+/-0.220 χ^2/NDF:1147822.4/11

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 904.392+/-0.218 χ^2/NDF:157436.9/9

Left: 915.569+/-0.155 χ^2/NDF: 1310551.4/21

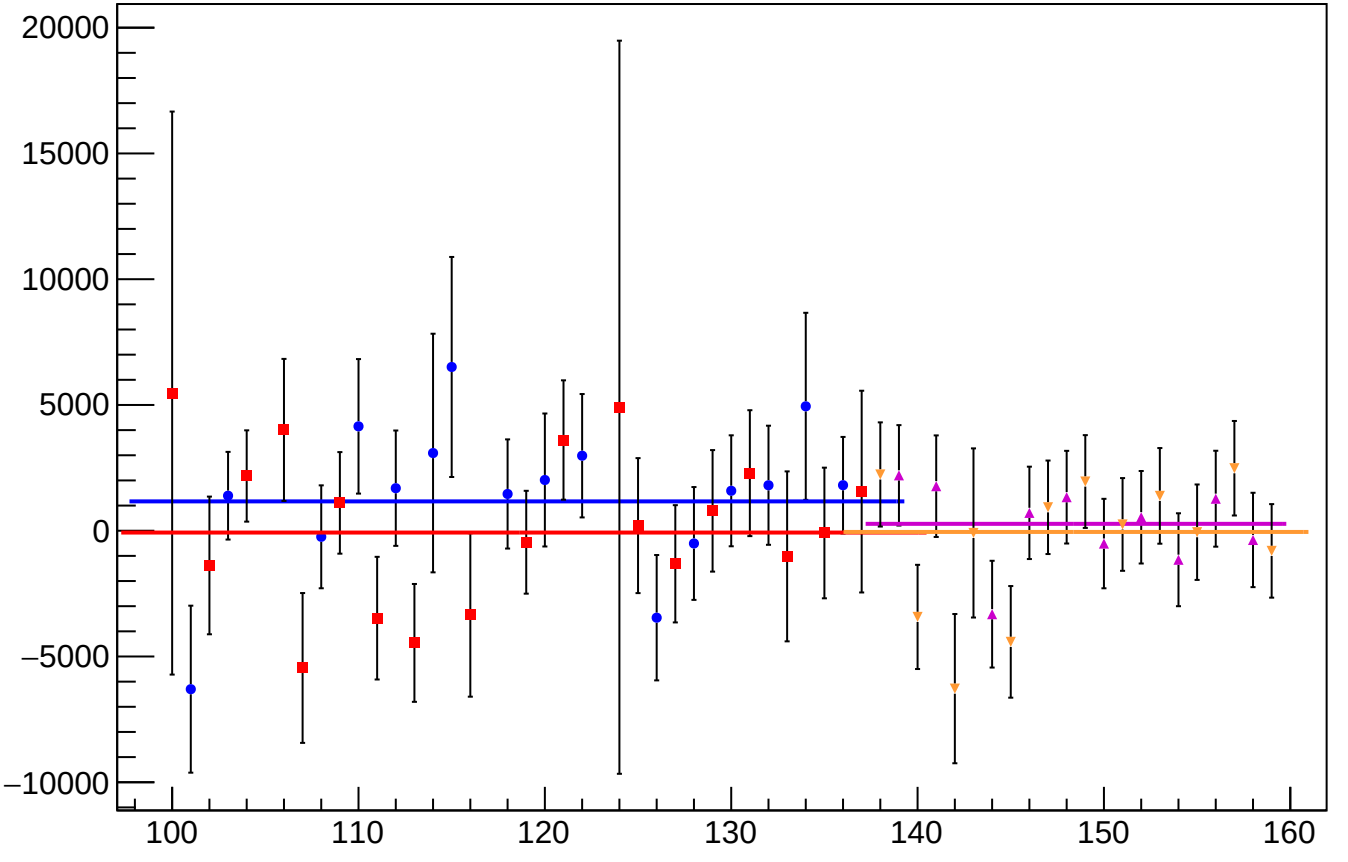
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1025.276+/-0.192 χ^2/NDF:3339919.3/25

Out: 1033.338+/-0.192 χ^2/NDF:4272748.8/30

All: 1029.321+/-0.136 χ^2/NDF: 7613548.5/56

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -48.199+/-589.672 χ^2/NDF:16.2/11

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 273.843+/-600.440 χ^2/NDF:5.9/9

Left: 109.909+/-420.716 χ^2/NDF: 22.3/21

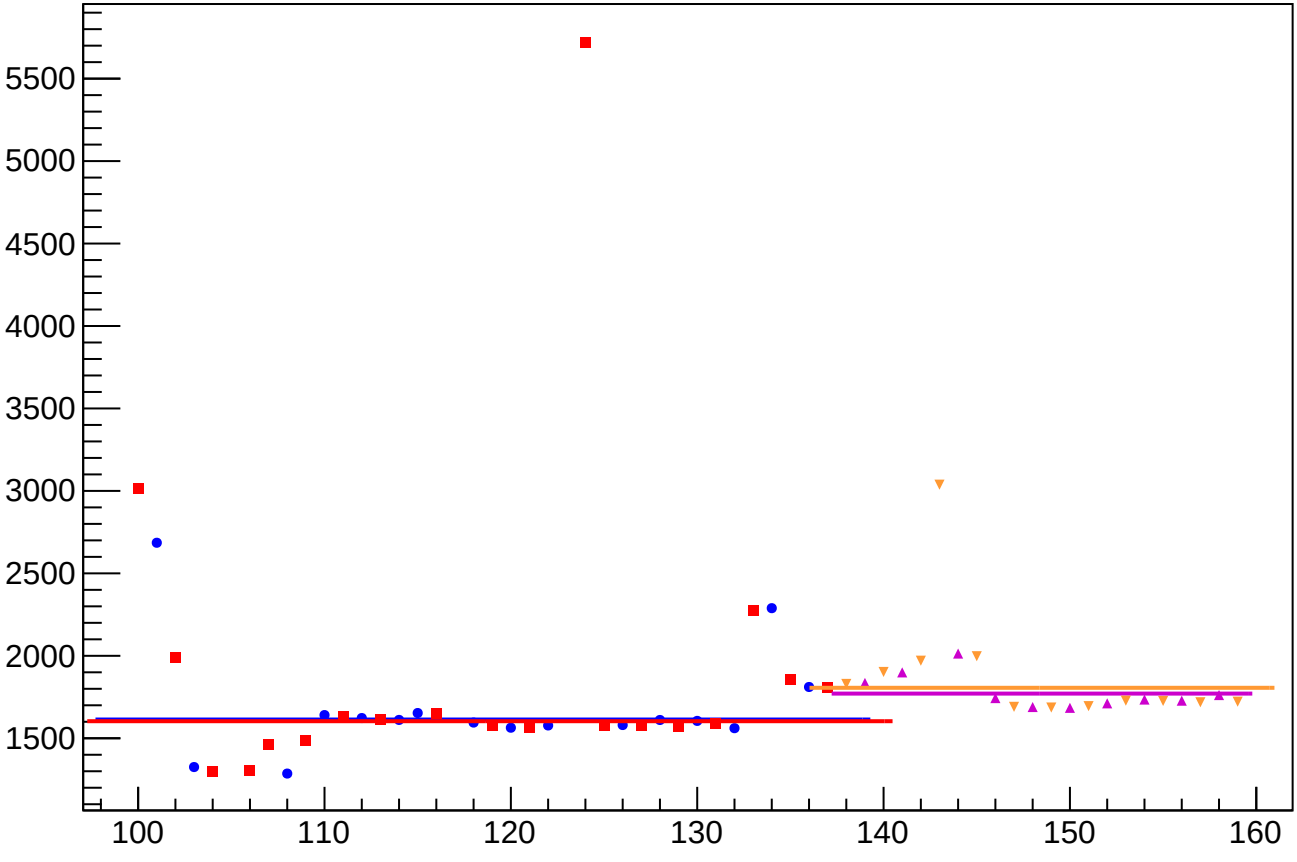
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 713.861+/-427.629 χ^2/NDF:21.5/25

Out: -60.071+/-421.718 χ^2/NDF:34.5/30

All: 321.509+/-300.267 χ^2/NDF: 57.6/56

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1806.055+/-0.417 χ^2/NDF:332743.4/11

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

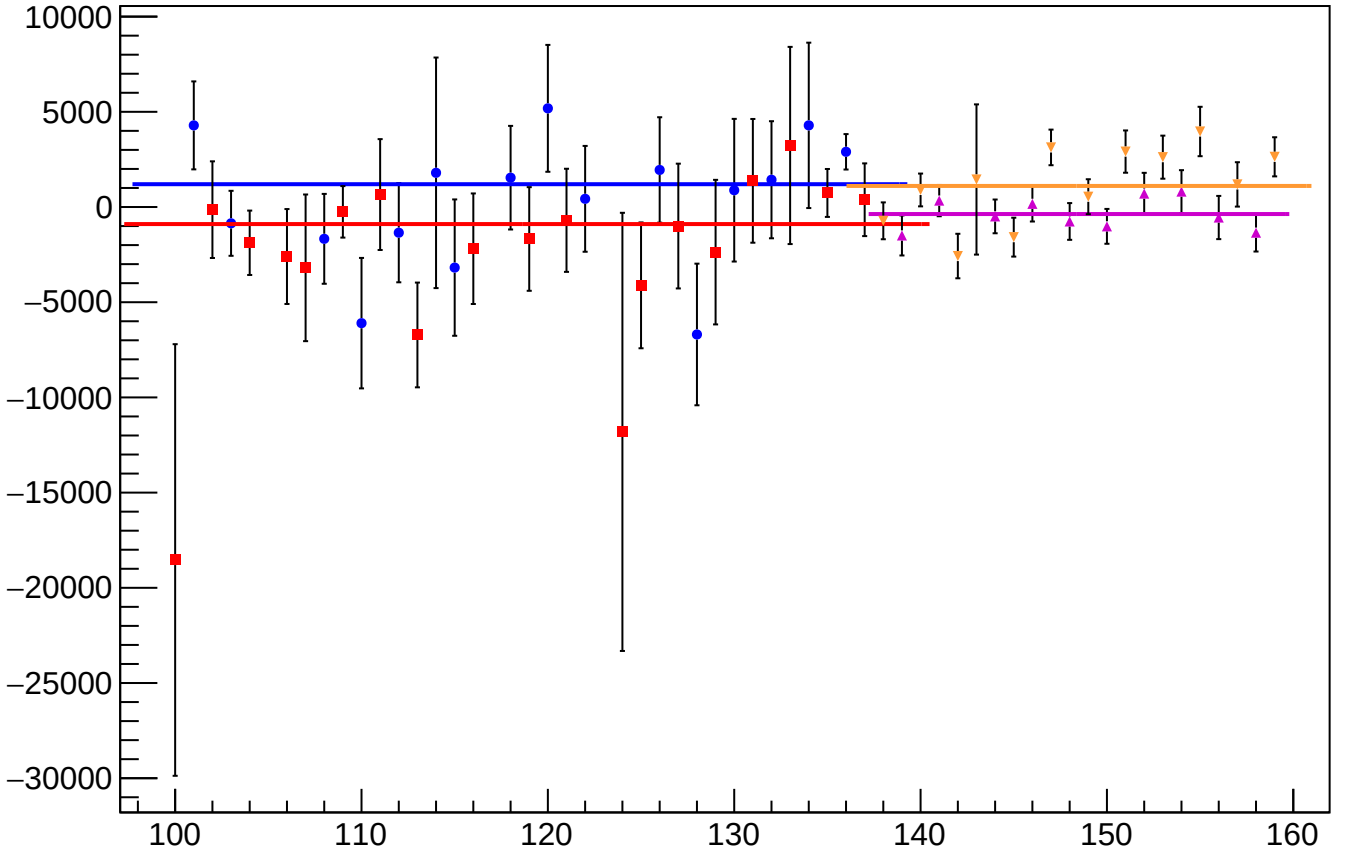
Left: 1788.800+/-0.297 χ^2/NDF: 385566.1/21

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.426+/-0.302 χ^2/NDF:521606.8/25

Out: 1707.084+/-0.298 χ^2/NDF:873865.8/30

All: 1700.350+/-0.212 χ^2/NDF: 1396506.8/56



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1107.066+/-310.470 χ^2/NDF:37.1/11

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -368.986+/-308.336 χ^2/NDF:6.0/9

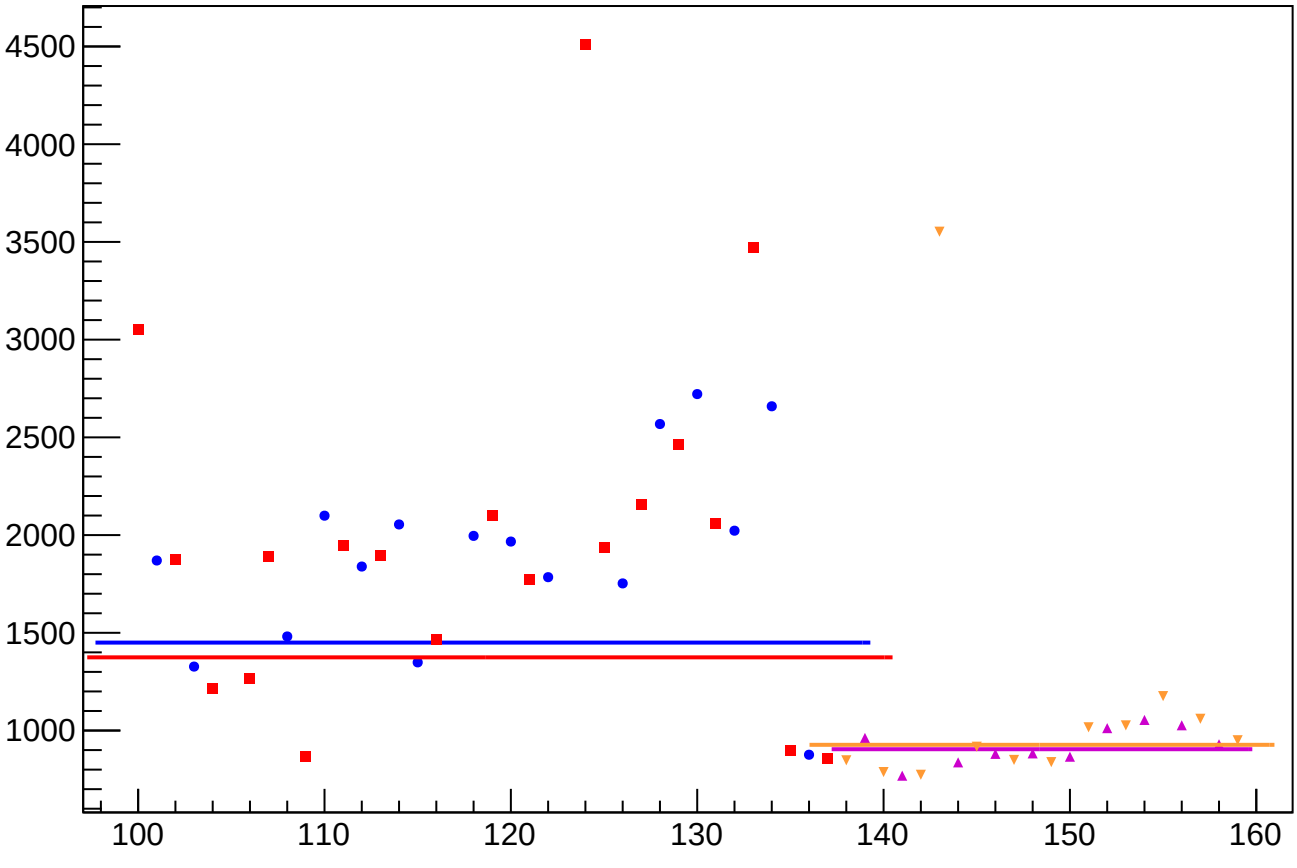
Left: 363.949+/-218.777 χ^2/NDF: 54.4/21

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -22.001+/-272.072 χ^2/NDF:33.4/25

Out: 631.944+/-271.149 χ^2/NDF:61.2/30

All: 306.084+/-192.057 χ^2/NDF: 97.4/56



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.914+/-0.220 χ^2/NDF:1147735.1/11

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

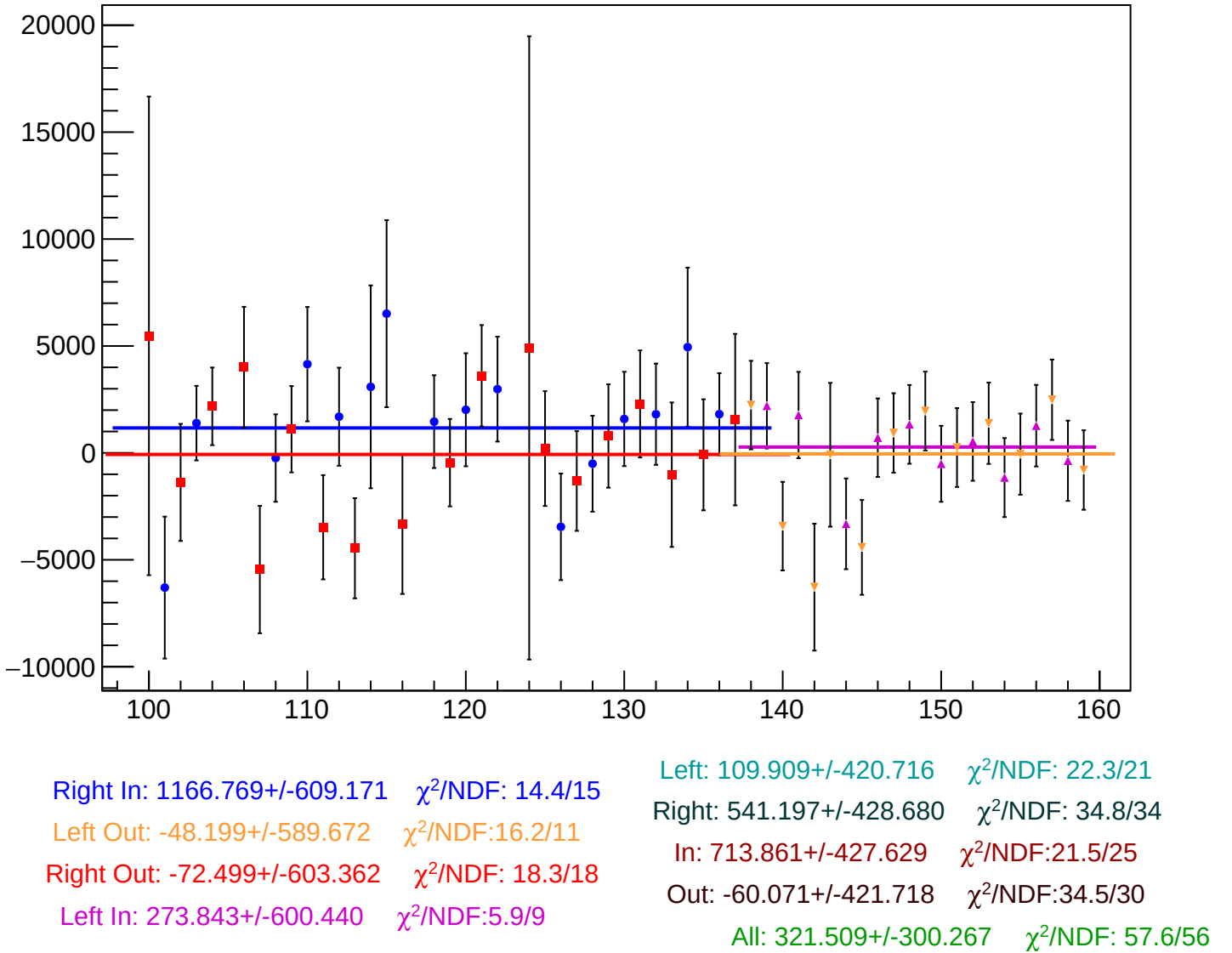
Left: 915.573+/-0.155 χ^2/NDF: 1310506.1/21

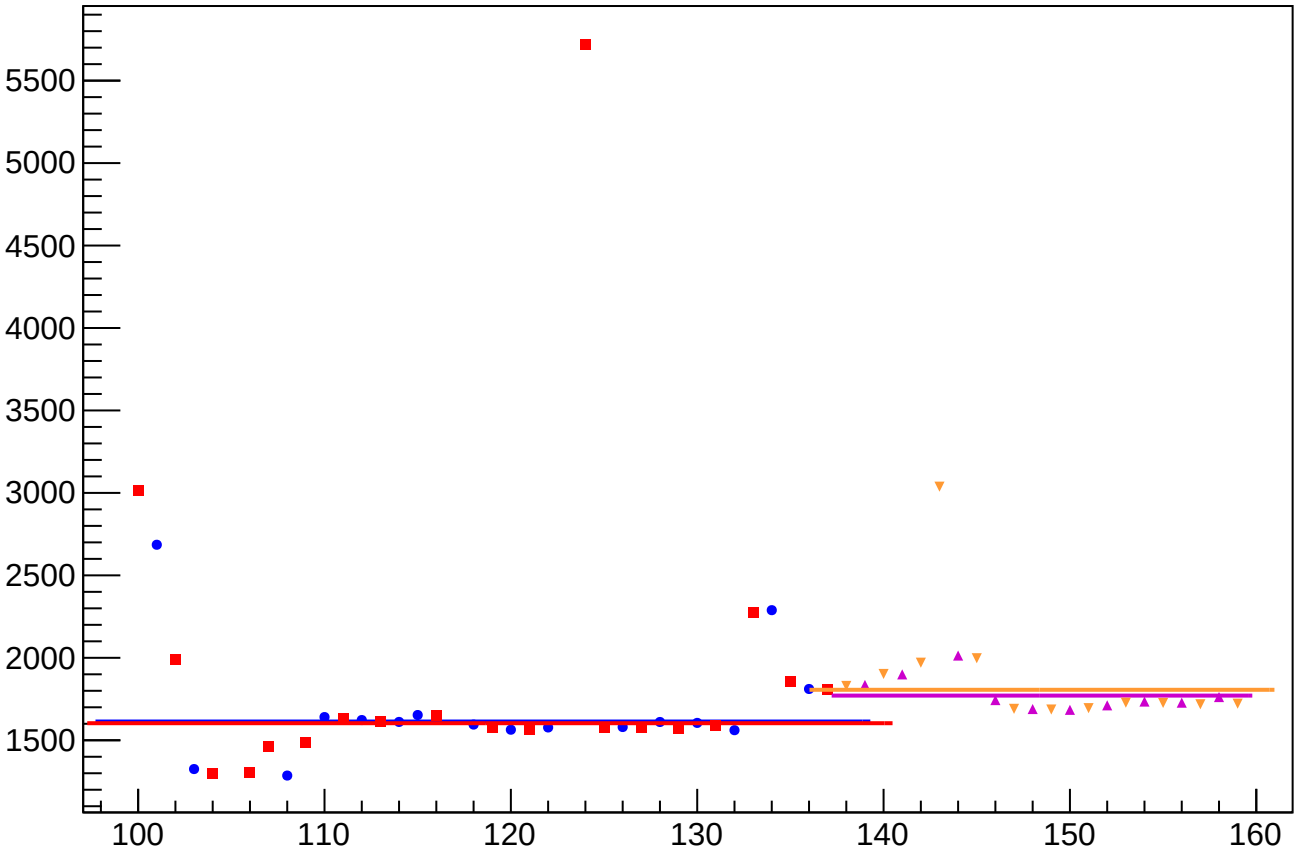
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1025.167+/-0.192 χ^2/NDF:3336272.4/25

Out: 1033.093+/-0.192 χ^2/NDF:4261367.6/30

All: 1029.143+/-0.136 χ^2/NDF: 7598491.7/56


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -48.199+/-589.672 χ²/NDF:16.2/11
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 273.843+/-600.440 χ²/NDF:5.9/9
Left: 109.909+/-420.716 χ²/NDF: 22.3/21
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 713.861+/-427.629 χ²/NDF:21.5/25
Out: -60.071+/-421.718 χ²/NDF:34.5/30
All: 321.509+/-300.267 χ²/NDF: 57.6/56



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1806.055+/-0.417 χ^2/NDF:332743.4/11

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

Left: 1788.800+/-0.297 χ^2/NDF: 385566.1/21

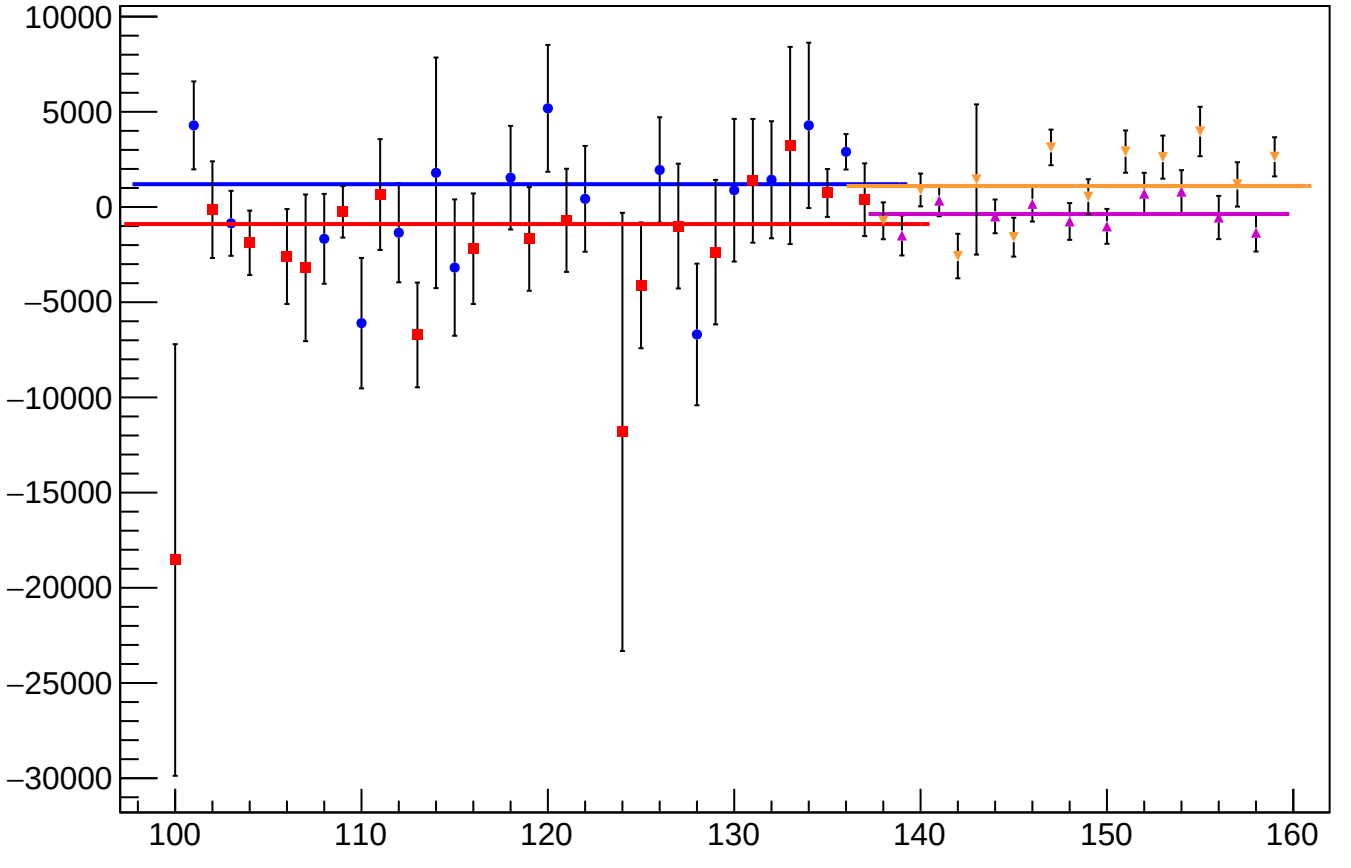
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.426+/-0.302 χ^2/NDF:521606.8/25

Out: 1707.084+/-0.298 χ^2/NDF:873865.8/30

All: 1700.350+/-0.212 χ^2/NDF: 1396506.8/56

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1107.066+/-310.470 χ^2/NDF:37.1/11

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -368.986+/-308.336 χ^2/NDF:6.0/9

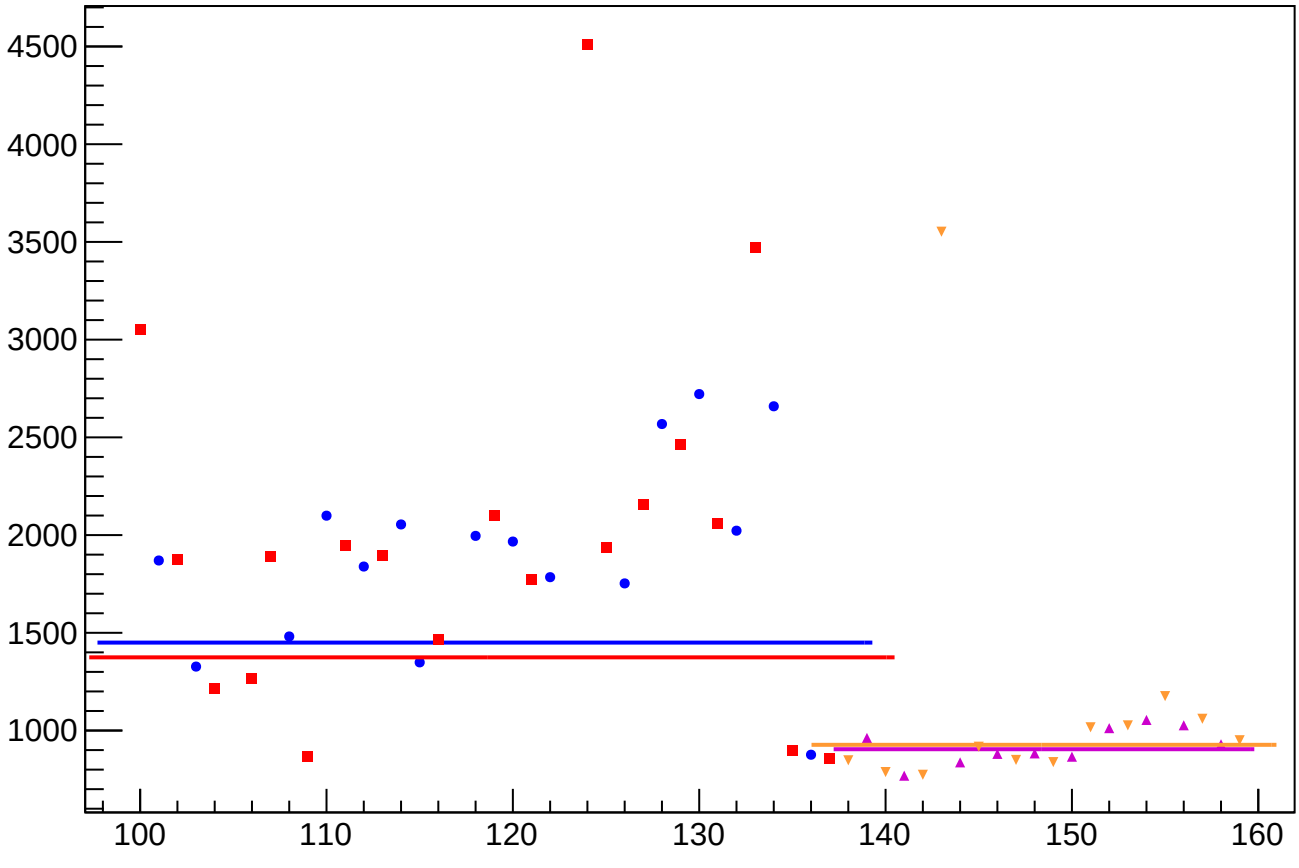
Left: 363.949+/-218.777 χ^2/NDF: 54.4/21

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -22.001+/-272.072 χ^2/NDF:33.4/25

Out: 631.944+/-271.149 χ^2/NDF:61.2/30

All: 306.084+/-192.057 χ^2/NDF: 97.4/56



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.914+/-0.220 χ^2/NDF:1147735.1/11

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

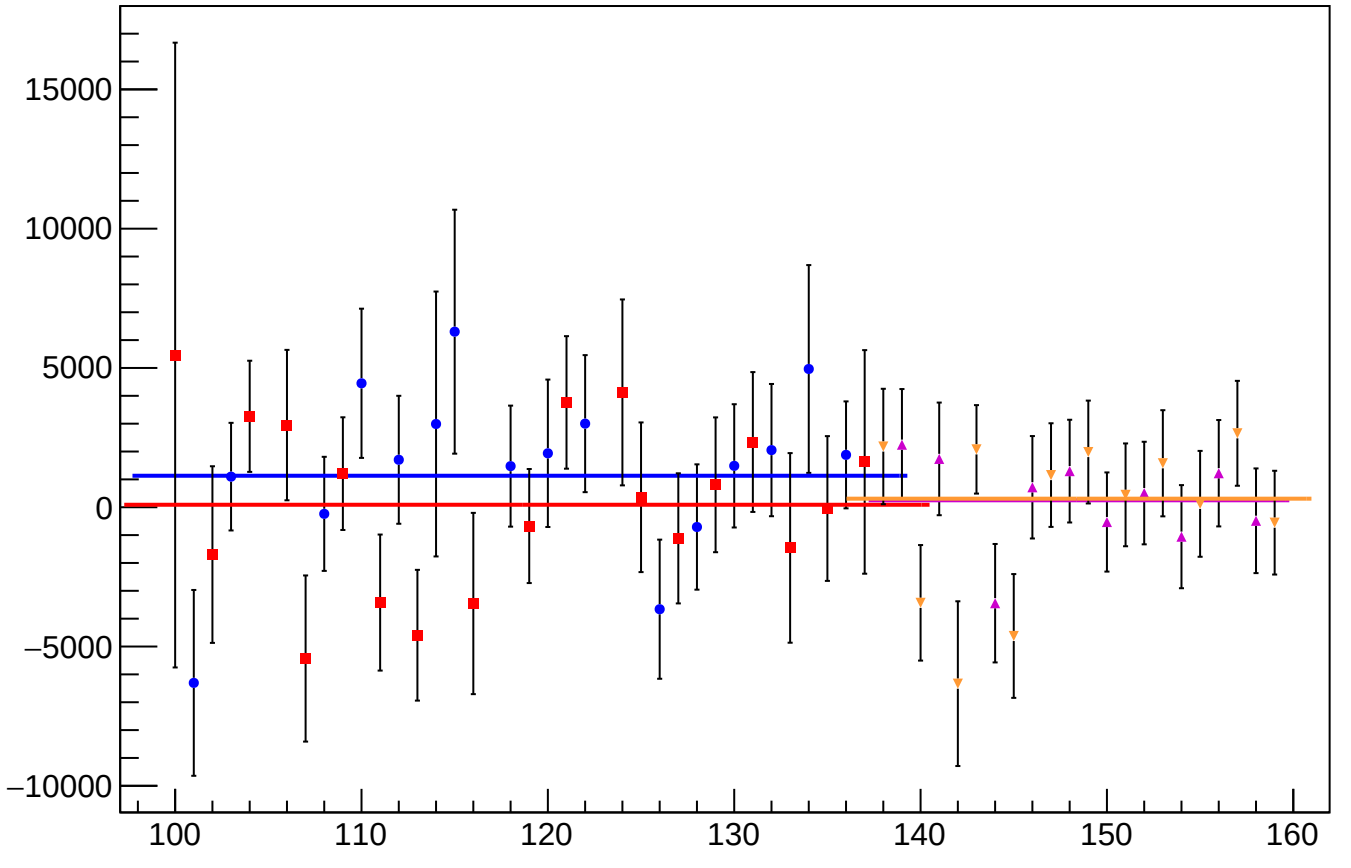
Left: 915.573+/-0.155 χ^2/NDF: 1310506.1/21

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1025.167+/-0.192 χ^2/NDF:3336272.4/25

Out: 1033.093+/-0.192 χ^2/NDF:4261367.6/30

All: 1029.143+/-0.136 χ^2/NDF: 7598491.7/56



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 307.553+/-560.987 χ^2/NDF:18.5/11

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 249.610+/-601.228 χ^2/NDF:6.1/9

Left: 280.585+/-410.167 χ^2/NDF: 24.6/21

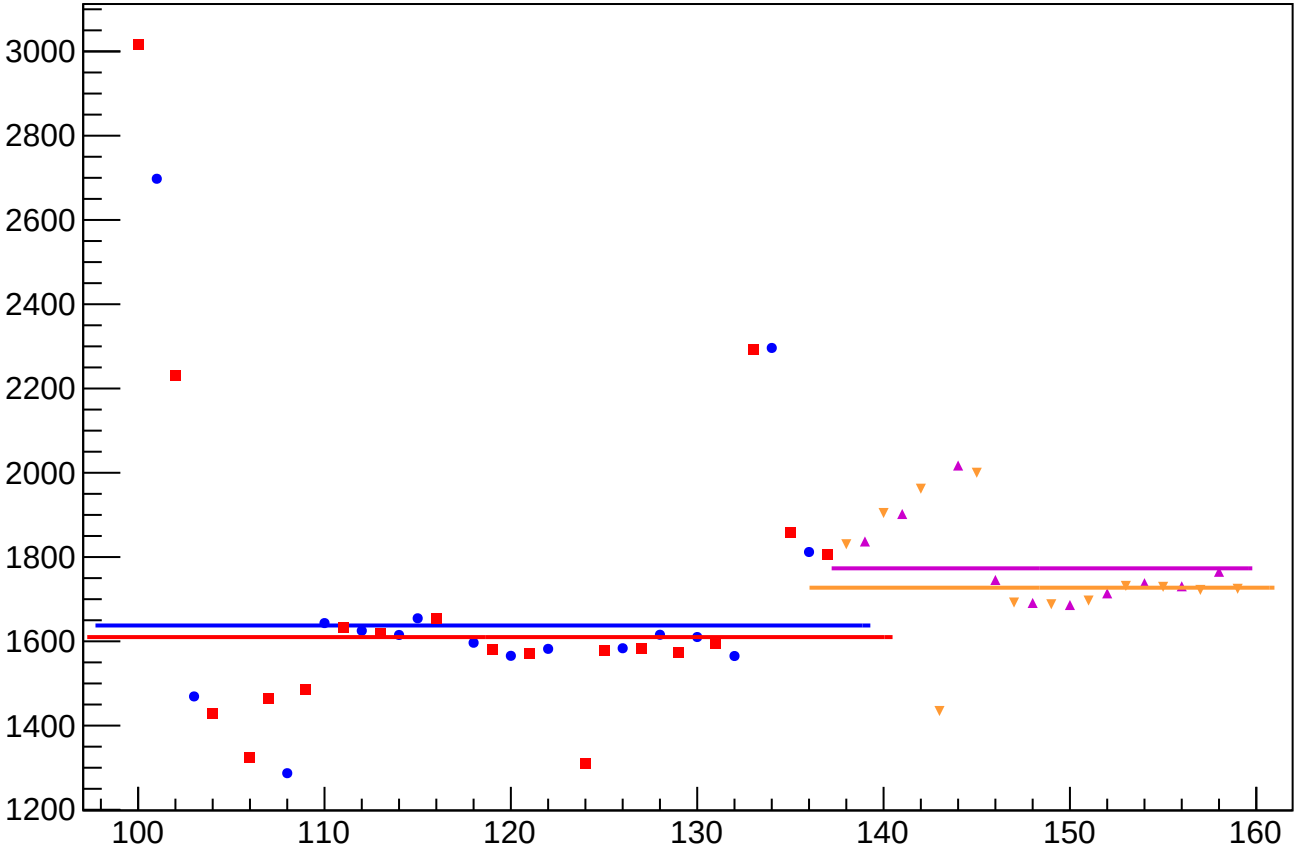
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 678.594+/-430.680 χ^2/NDF:22.1/25

Out: 206.270+/-410.751 χ^2/NDF:39.3/30

All: 431.251+/-297.241 χ^2/NDF: 62.0/56

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.272+/-0.397 χ^2/NDF:132466.6/11

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1773.212+/-0.425 χ^2/NDF:49553.1/9

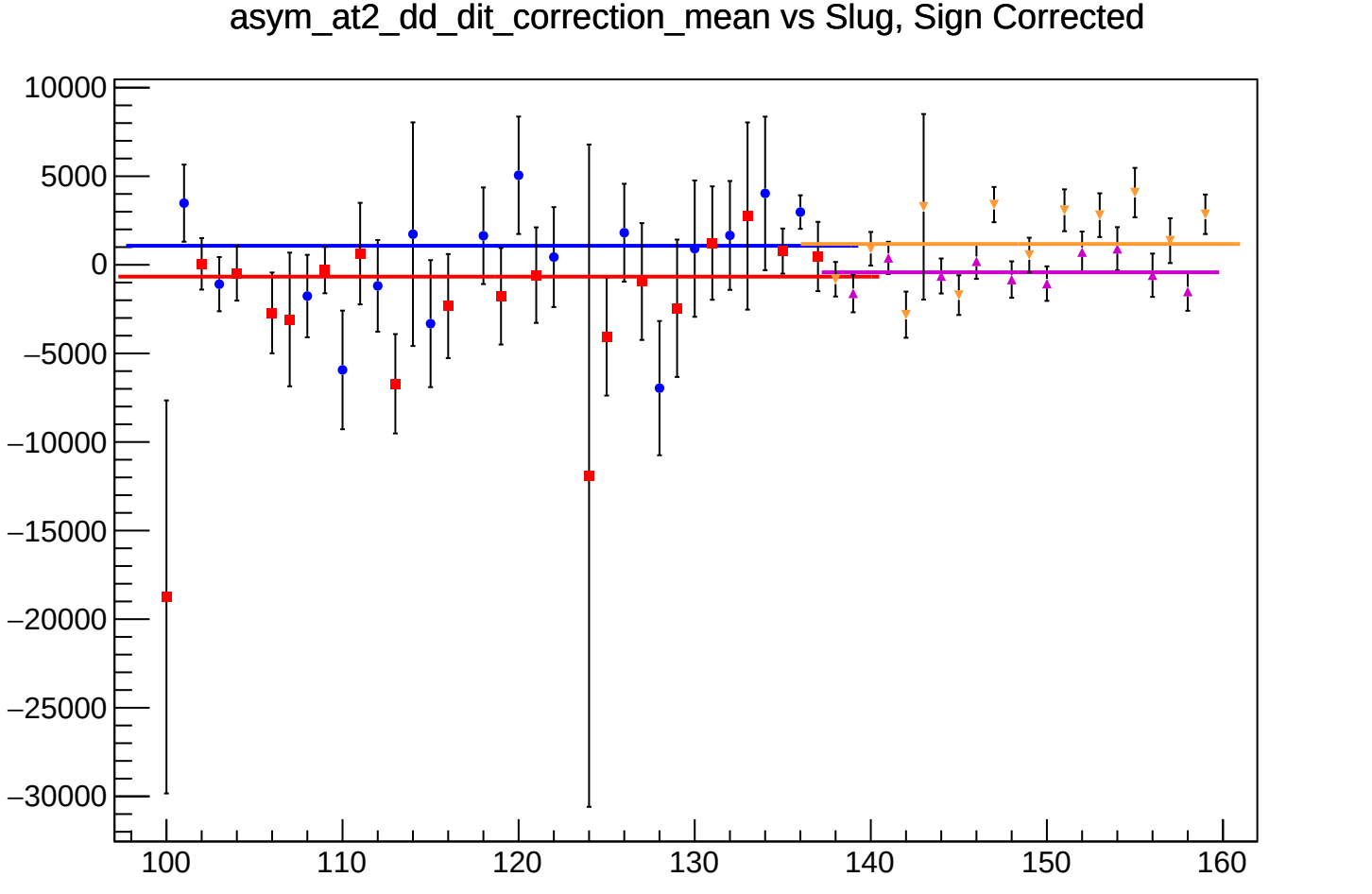
Left: 1748.653+/-0.290 χ^2/NDF: 188262.0/21

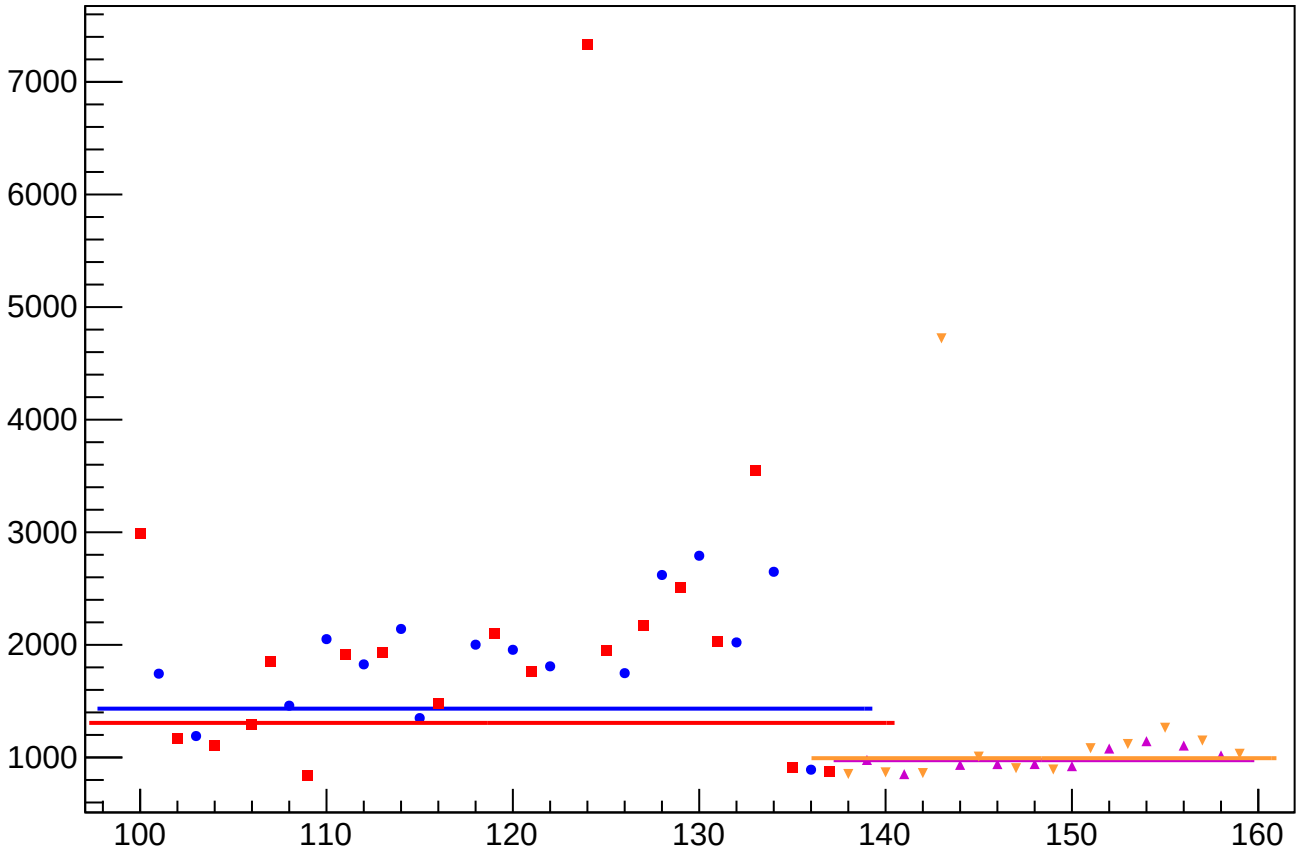
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

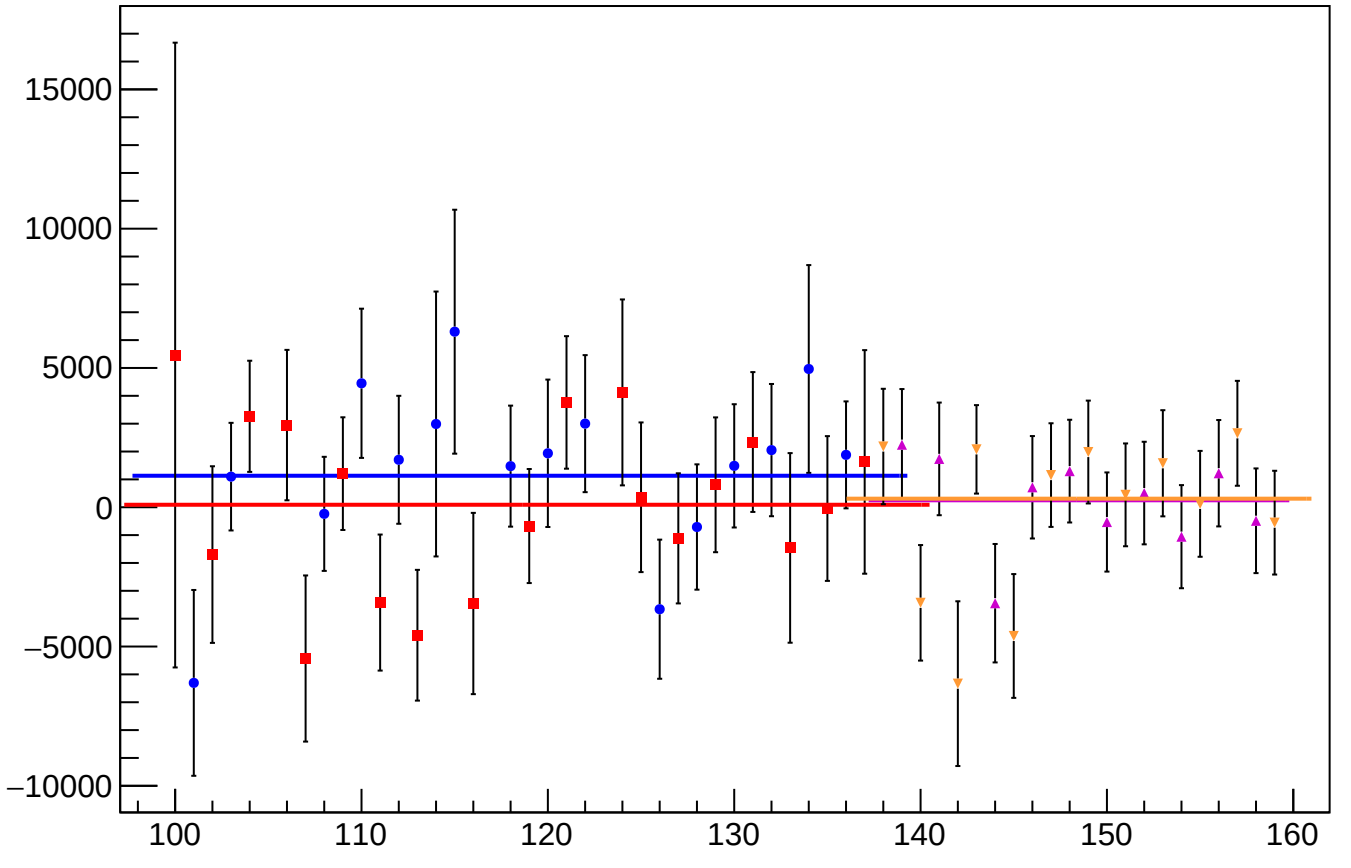
In: 1707.175+/-0.305 χ^2/NDF:460529.2/25

Out: 1672.890+/-0.290 χ^2/NDF:453794.0/30

All: 1689.221+/-0.210 χ^2/NDF: 920960.2/56


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: 1073.600+/-571.609 χ²/NDF: 22.0/15
Left Out: 1176.233+/-333.959 χ²/NDF:36.8/11
Right Out: -667.777+/-523.477 χ²/NDF: 13.6/18
Left In: -421.497+/-332.377 χ²/NDF:6.2/9
Left: 373.575+/-235.583 χ²/NDF: 54.5/21
Right: 126.521+/-386.051 χ²/NDF: 40.6/34
In: -43.716+/-287.332 χ²/NDF:33.4/25
Out: 642.823+/-281.544 χ²/NDF:59.2/30
All: 306.538+/-201.097 χ²/NDF: 95.5/56


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 993.496+/-0.236 χ²/NDF:1290462.6/11
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 975.746+/-0.235 χ²/NDF:130802.4/9
Left: 984.579+/-0.167 χ²/NDF: 1424103.5/21
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1091.405+/-0.203 χ²/NDF:2852722.7/25
Out: 1084.144+/-0.199 χ²/NDF:3983766.8/30
All: 1087.701+/-0.142 χ²/NDF: 6837141.2/56



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 307.546+/-560.987 χ^2/NDF:18.5/11

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 249.605+/-601.228 χ^2/NDF:6.1/9

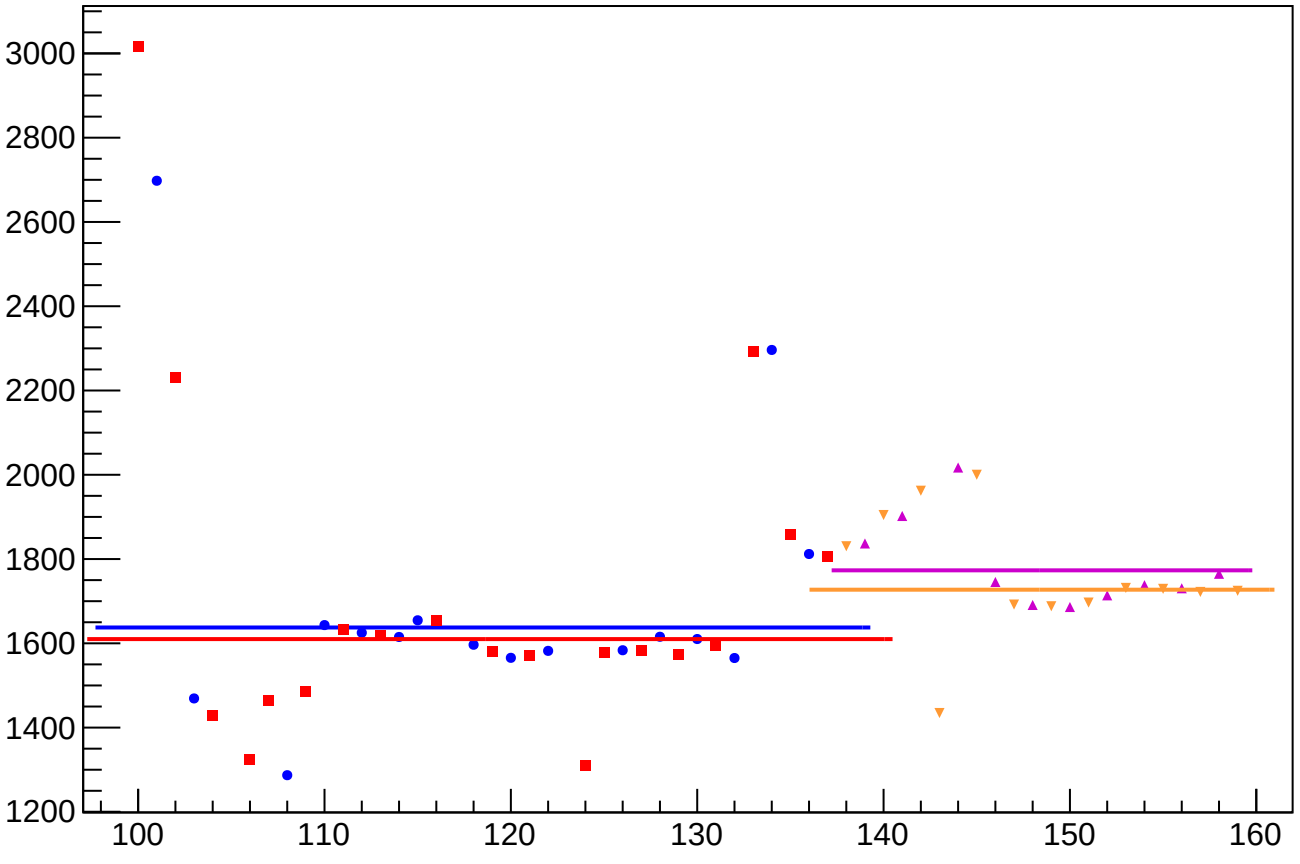
Left: 280.579+/-410.167 χ^2/NDF: 24.6/21

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 678.592+/-430.680 χ^2/NDF:22.1/25

Out: 206.268+/-410.751 χ^2/NDF:39.3/30

All: 431.249+/-297.241 χ^2/NDF: 62.0/56



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.273+/-0.397 χ^2/NDF:132465.5/11

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1773.212+/-0.425 χ^2/NDF:49553.2/9

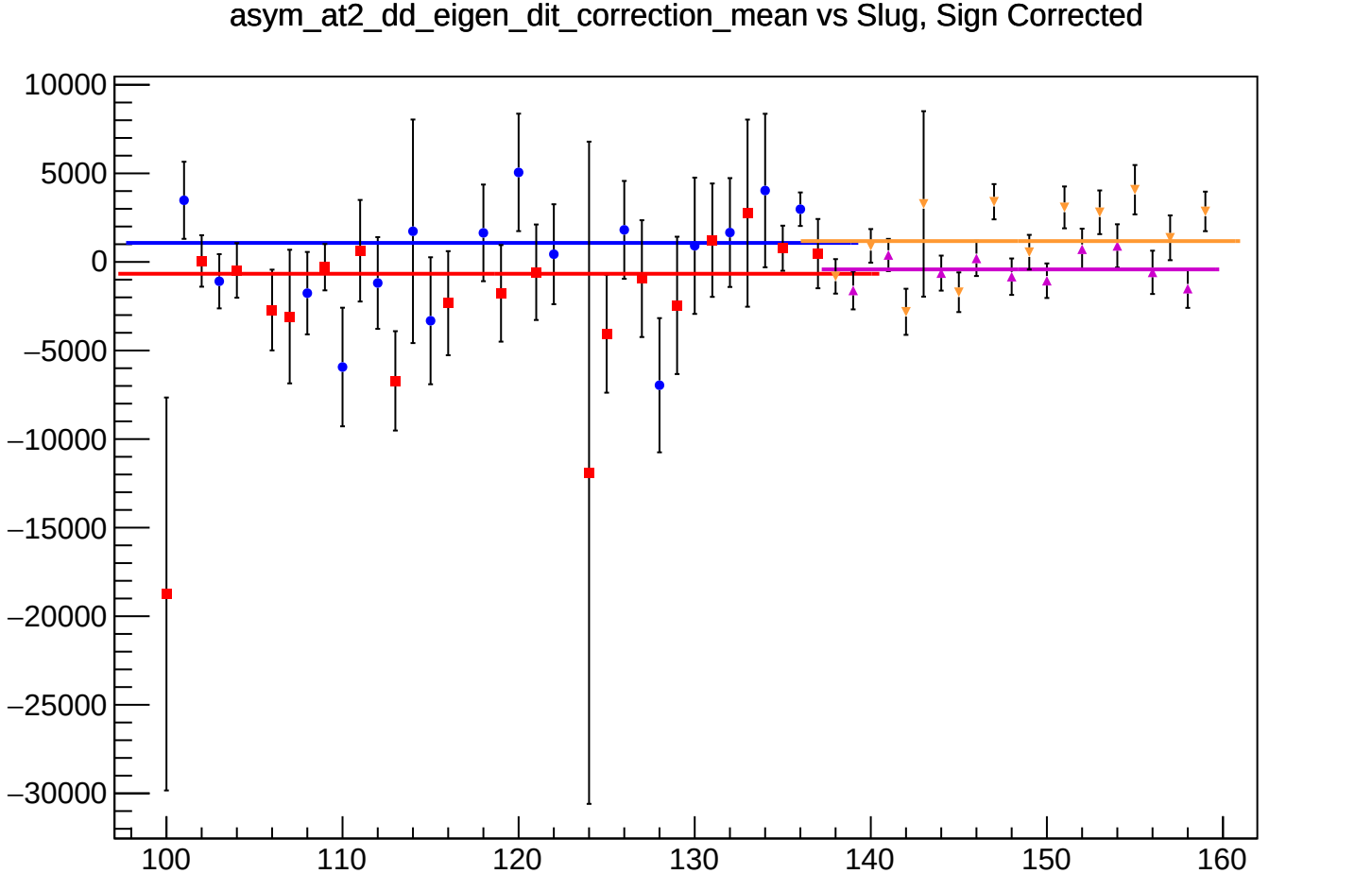
Left: 1748.654+/-0.290 χ^2/NDF: 188260.9/21

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.175+/-0.305 χ^2/NDF:460529.2/25

Out: 1672.890+/-0.290 χ^2/NDF:453793.5/30

All: 1689.221+/-0.210 χ^2/NDF: 920959.6/56



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1176.246+/-333.961 χ^2/NDF:36.8/11

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -421.498+/-332.378 χ^2/NDF:6.2/9

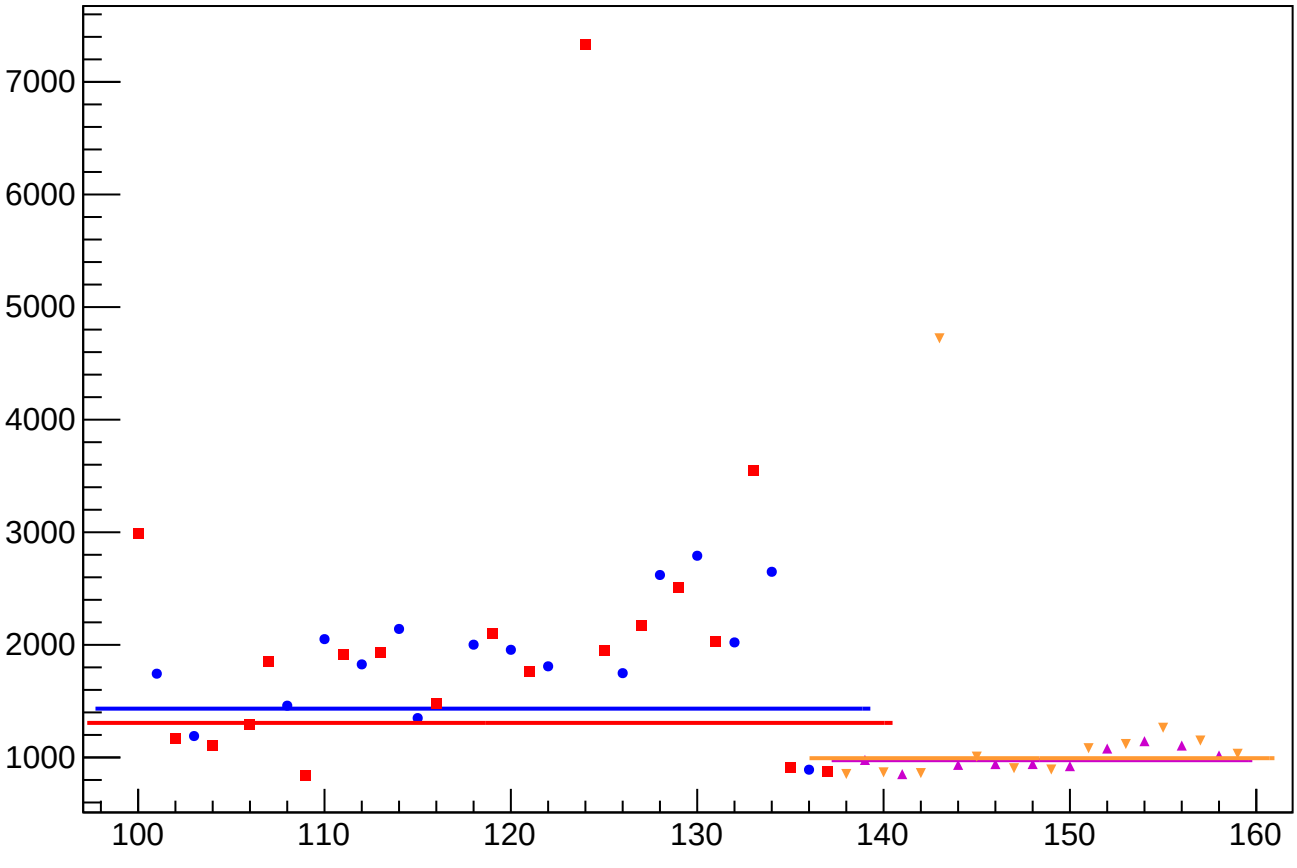
Left: 373.579+/-235.584 χ^2/NDF: 54.5/21

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

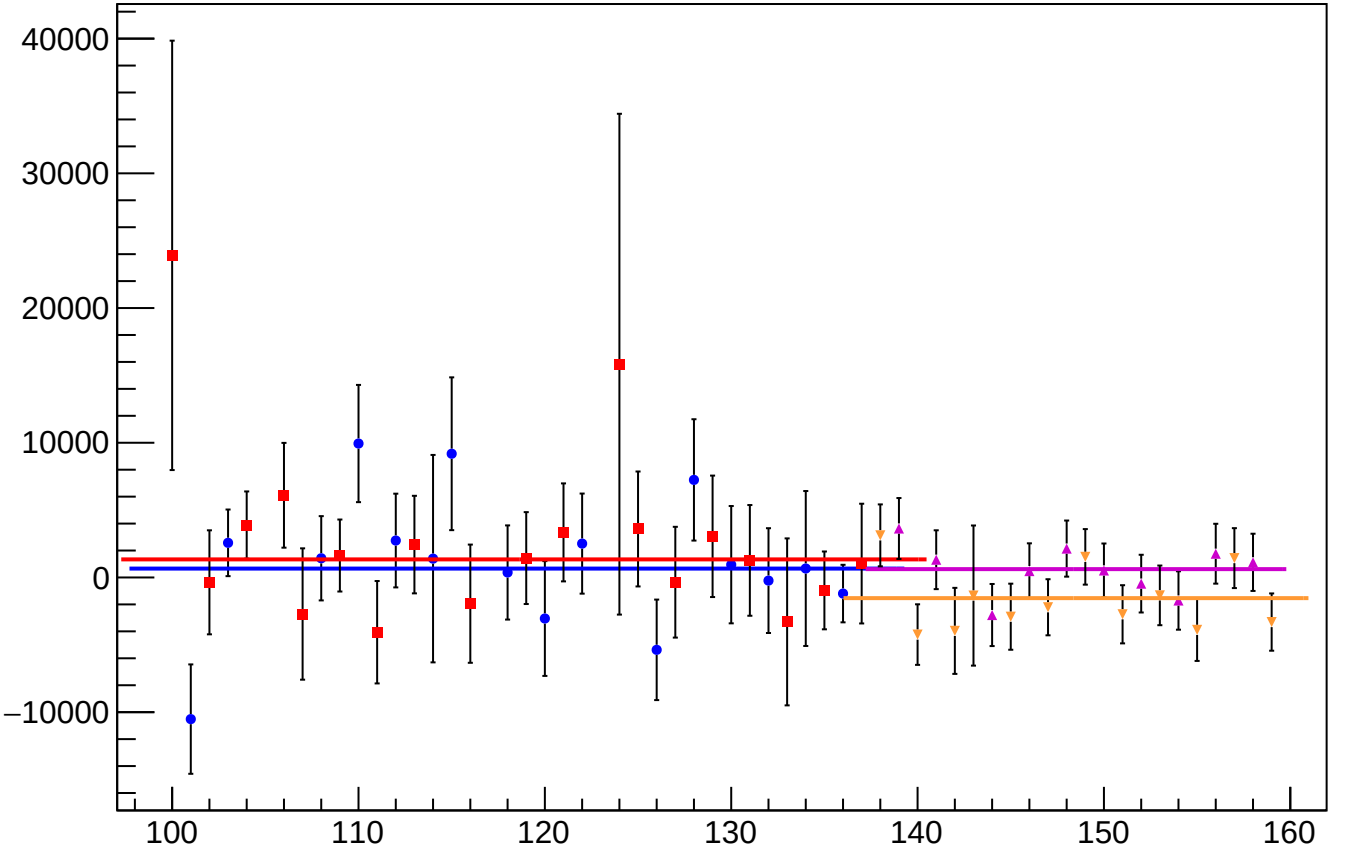
In: -43.722+/-287.333 χ^2/NDF:33.4/25

Out: 642.831+/-281.546 χ^2/NDF:59.2/30

All: 306.538+/-201.098 χ^2/NDF: 95.5/56


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 993.502+/-0.236 χ²/NDF:1290441.8/11
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 975.748+/-0.235 χ²/NDF:130803.4/9
Left: 984.583+/-0.167 χ²/NDF: 1424084.9/21
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1091.410+/-0.203 χ²/NDF:2852674.9/25
Out: 1084.151+/-0.199 χ²/NDF:3983692.8/30
All: 1087.707+/-0.142 χ²/NDF: 6837018.8/56

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1534.338+/-676.583 χ^2/NDF:12.6/11

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 619.353+/-679.722 χ^2/NDF:6.3/9

Left: -462.478+/-479.522 χ^2/NDF: 24.0/21

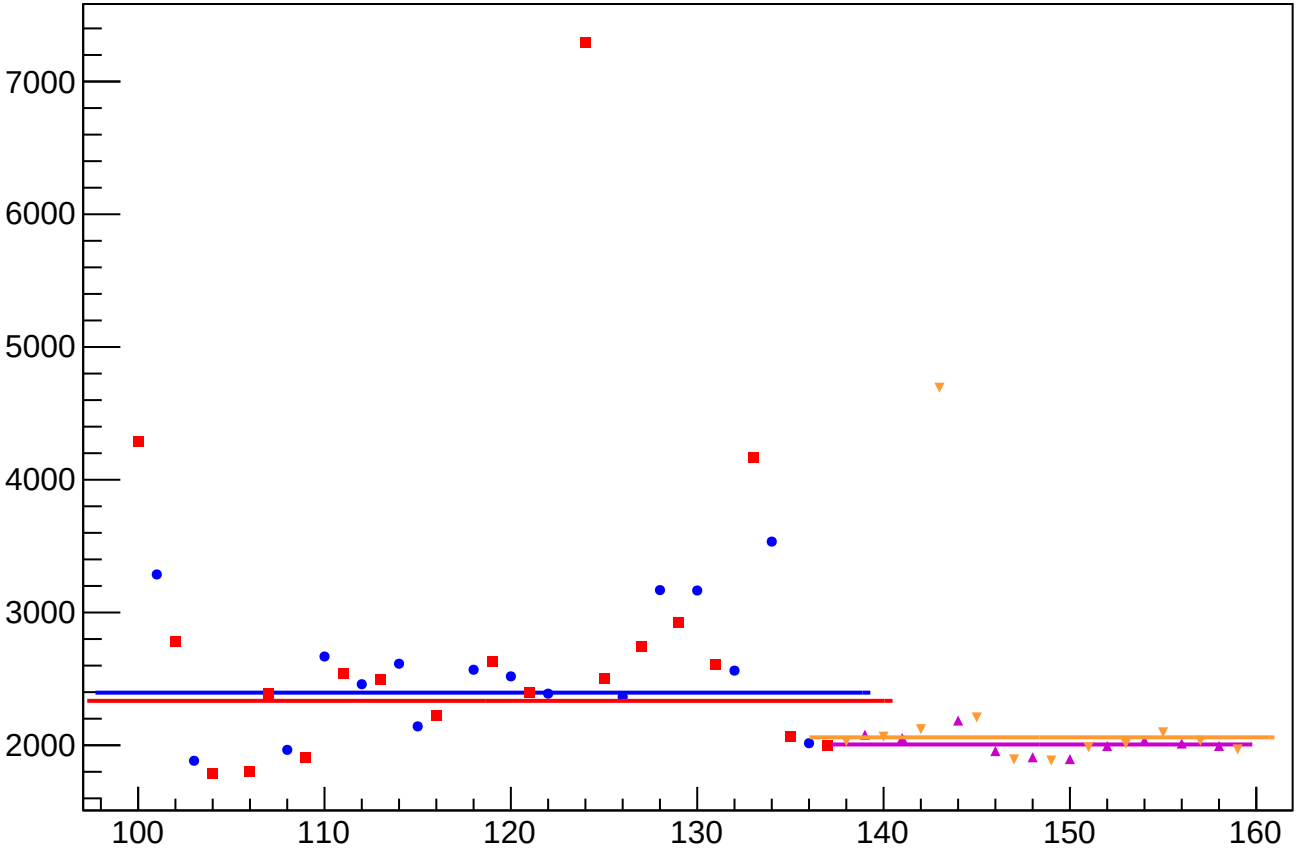
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 633.724+/-544.482 χ^2/NDF:28.3/25

Out: -481.740+/-538.744 χ^2/NDF:30.1/30

All: 70.083+/-382.962 χ^2/NDF: 60.5/56

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2059.539+/-0.478 χ^2/NDF:556291.9/11

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2005.833+/-0.481 χ^2/NDF:27286.6/9

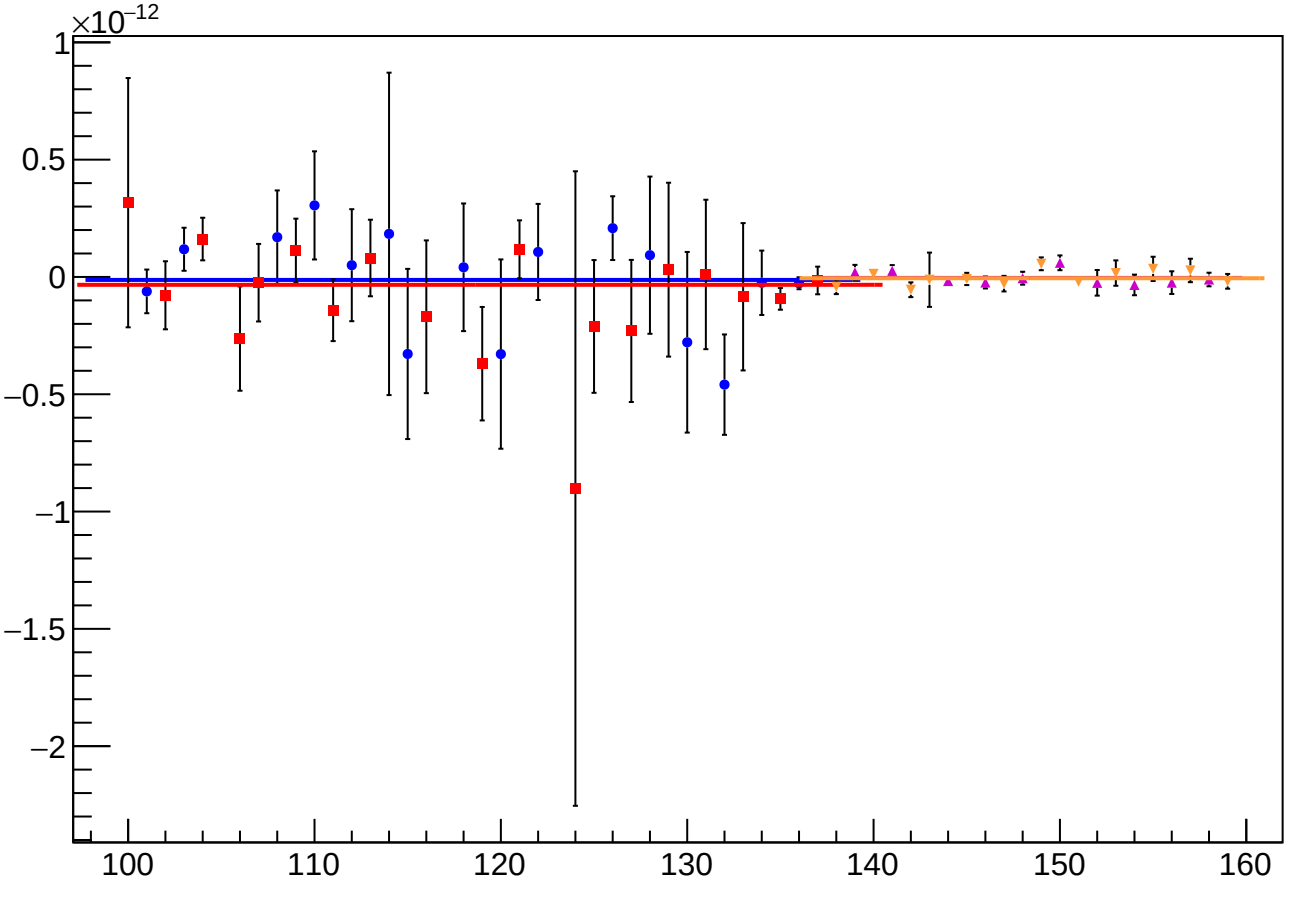
Left: 2032.811+/-0.339 χ^2/NDF: 589850.3/21

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2145.744+/-0.385 χ^2/NDF:771655.0/25

Out: 2160.196+/-0.381 χ^2/NDF:1358822.2/30

All: 2153.047+/-0.271 χ^2/NDF: 2131189.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/9

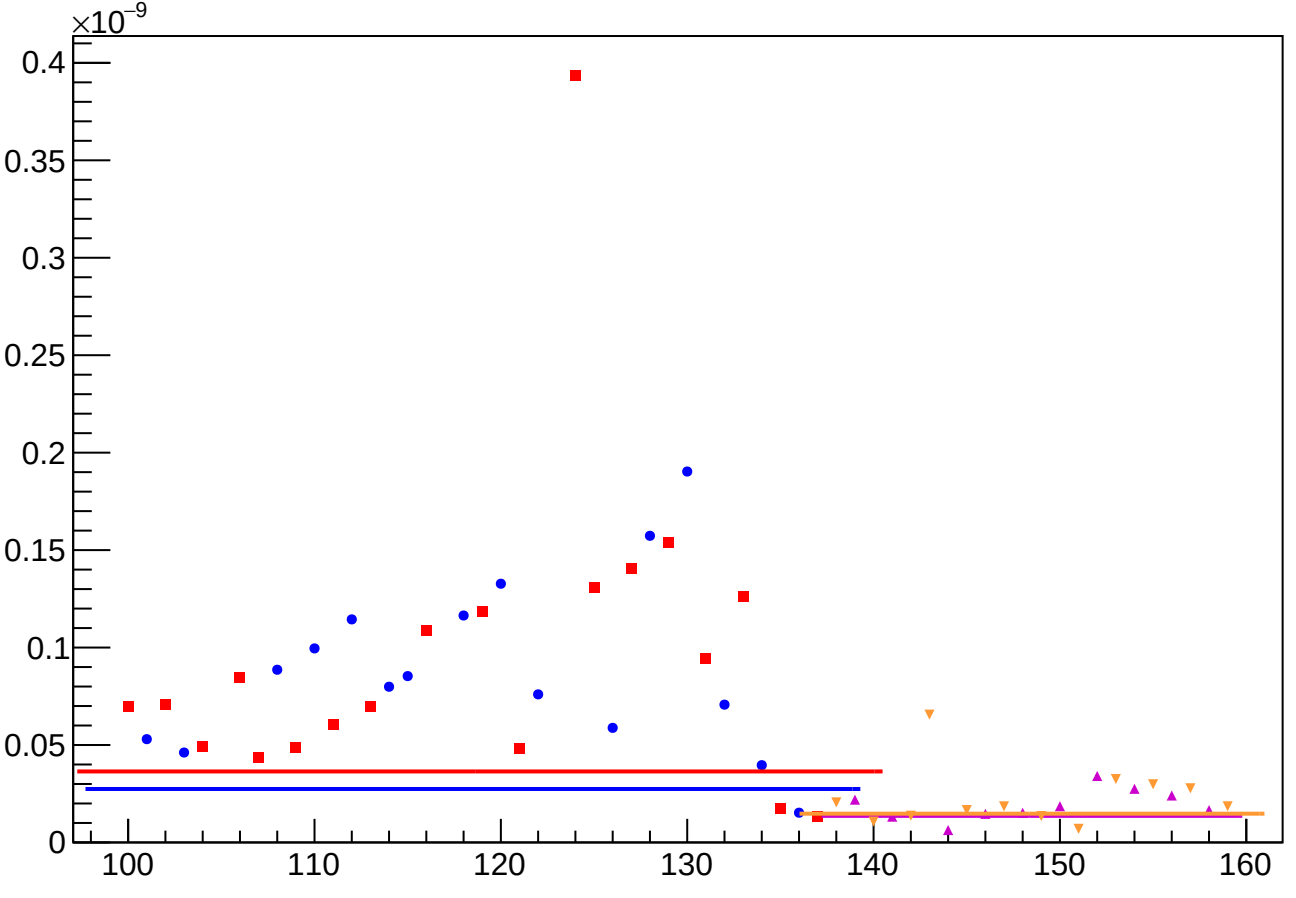
Left: -0.000+/-0.000 χ^2/NDF: 21.0/21

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:23.6/25

Out: -0.000+/-0.000 χ^2/NDF:28.5/30

All: -0.000+/-0.000 χ^2/NDF: 52.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1491776.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1347613.4/9

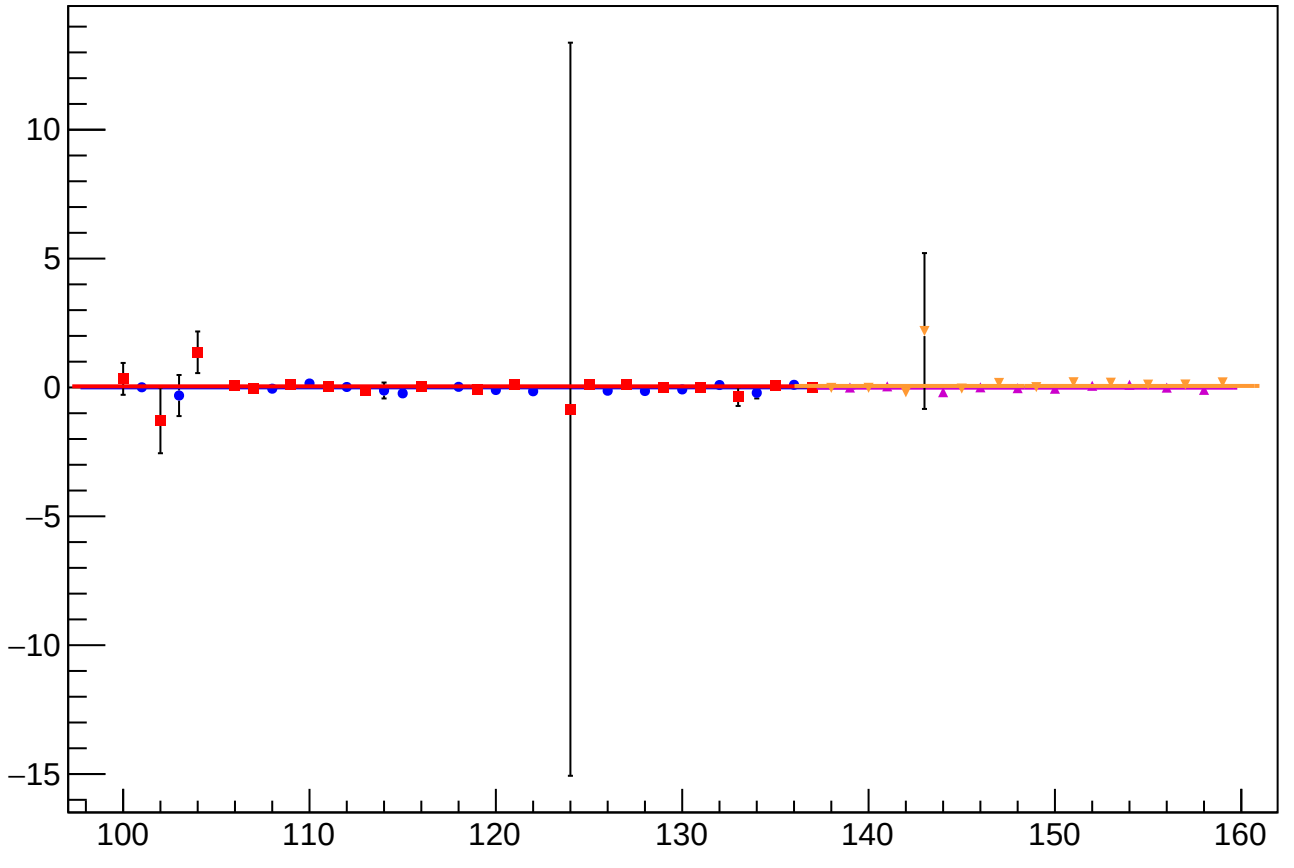
Left: 0.000+/-0.000 χ^2/NDF: 2856812.4/21

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4751771.8/25

Out: 0.000+/-0.000 χ^2/NDF:5031037.6/30

All: 0.000+/-0.000 χ^2/NDF: 9807082.3/56



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

Left: 0.026+/-0.017 χ^2/NDF: 29.1/21

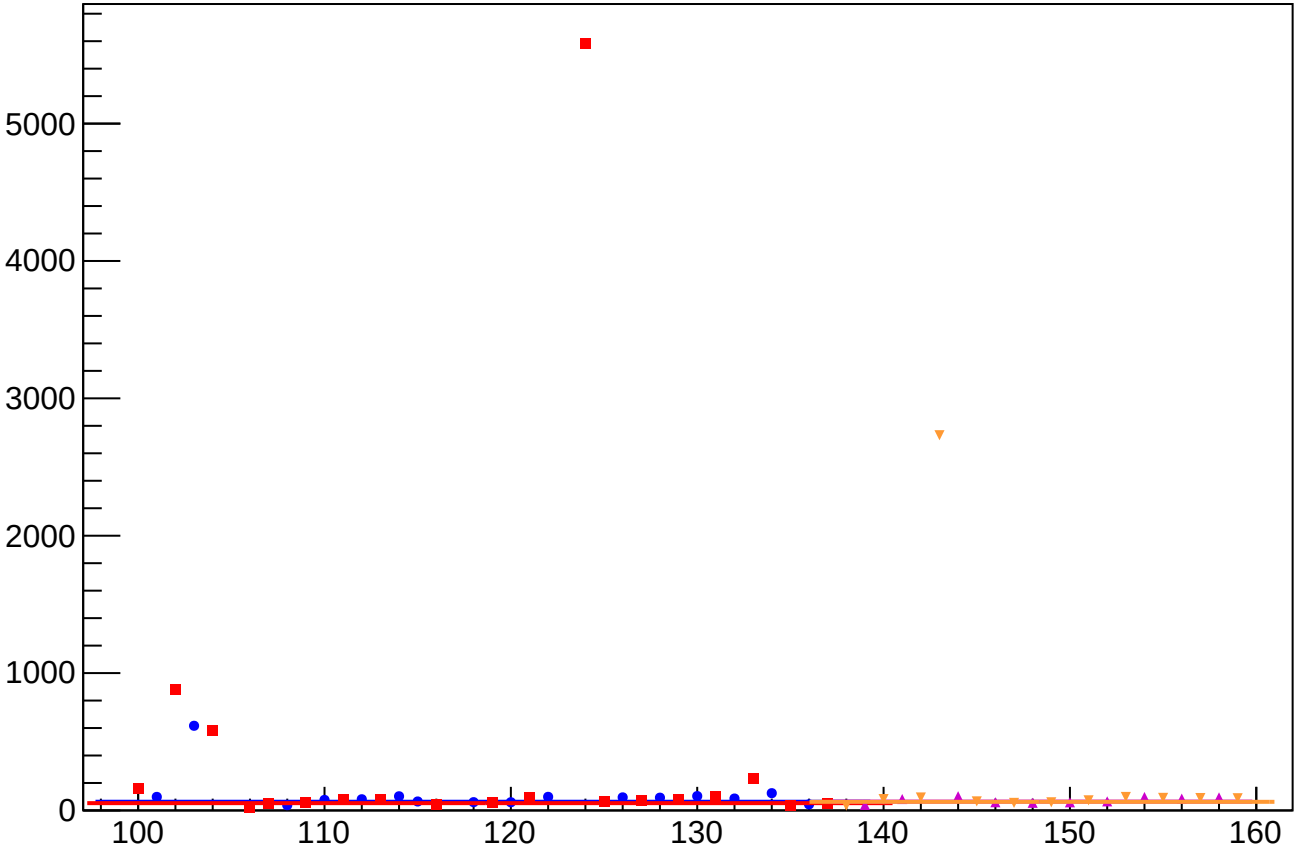
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.3/56

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 62.845+/-0.017 χ^2/NDF:3263441.5/11

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

Left: 63.594+/-0.012 χ^2/NDF: 4592789.7/21

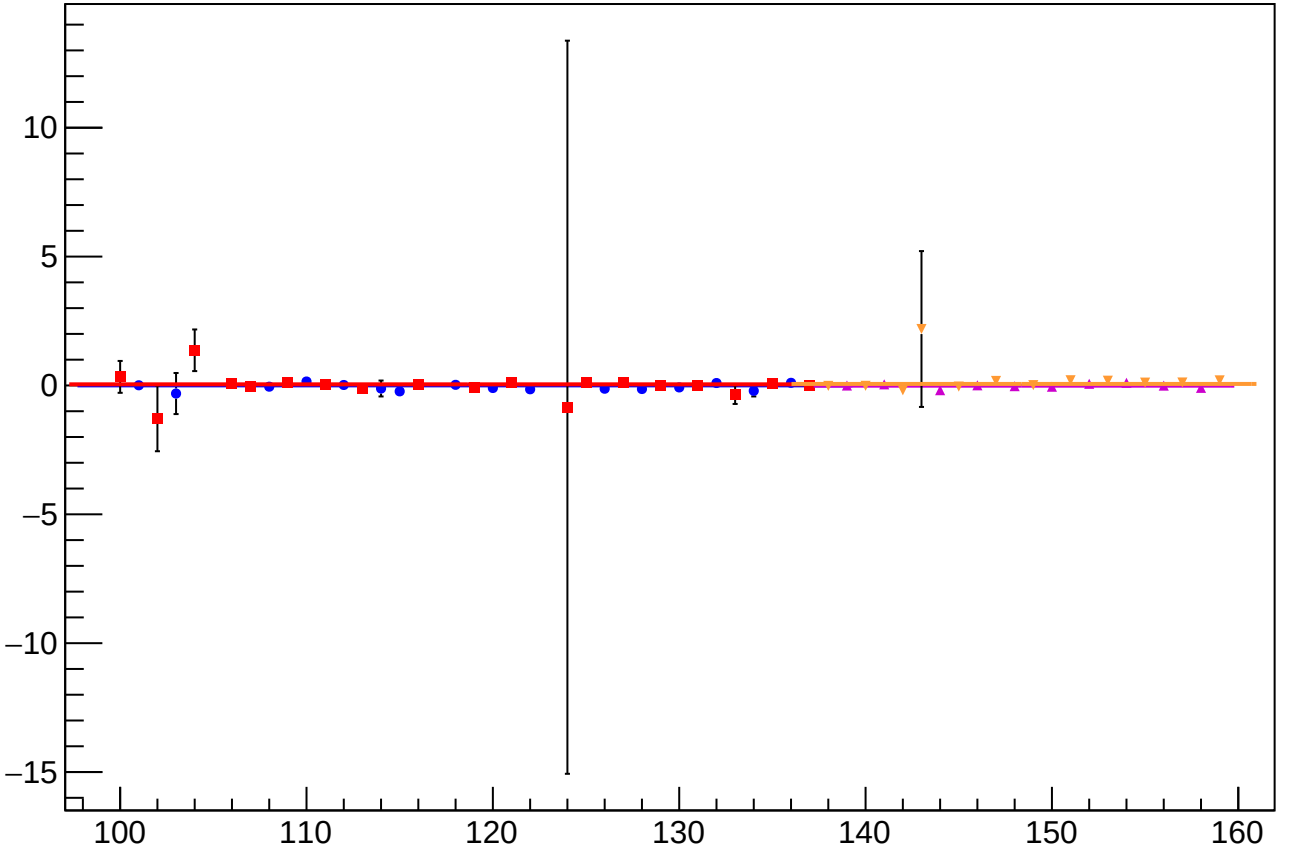
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.971+/-0.013 χ^2/NDF:3771739.9/25

Out: 58.294+/-0.012 χ^2/NDF:7368223.4/30

All: 60.988+/-0.009 χ^2/NDF: 11244992.7/56

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: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

Left: 0.026+/-0.017 χ^2/NDF: 29.1/21

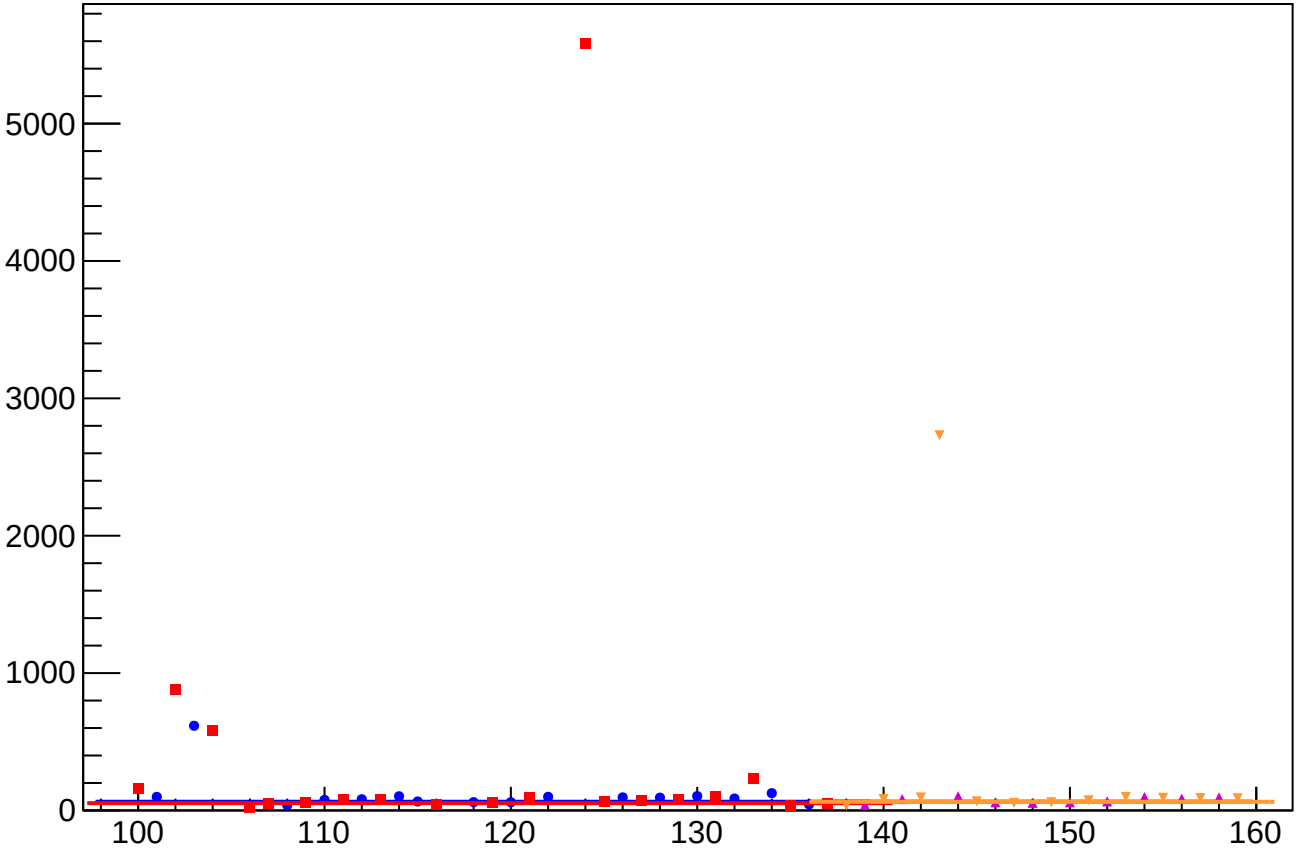
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.3/56

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: 62.845+/-0.017 χ^2/NDF:3263441.5/11

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

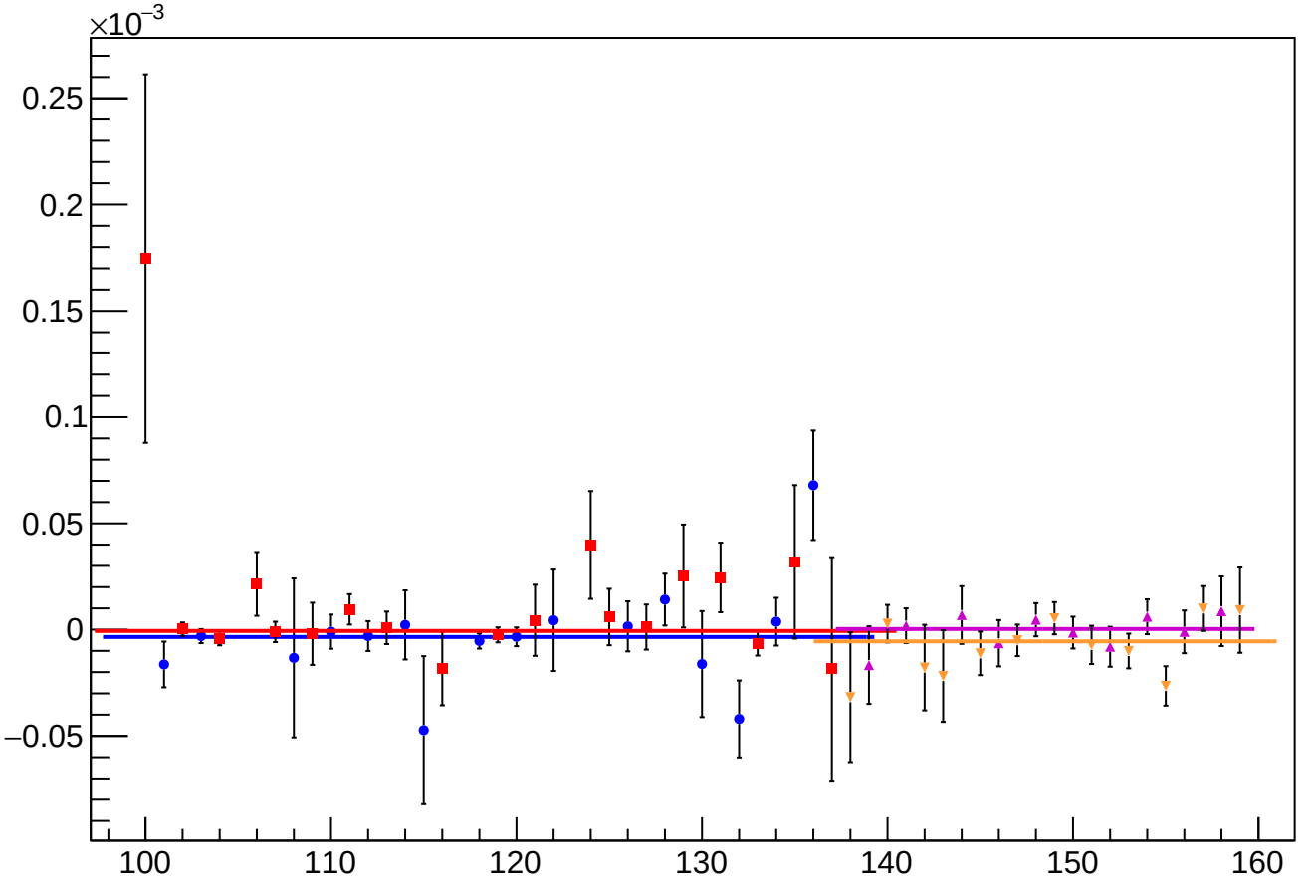
Left: 63.594+/-0.012 χ^2/NDF: 4592789.7/21

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.971+/-0.013 χ^2/NDF:3771739.9/25

Out: 58.294+/-0.012 χ^2/NDF:7368223.4/30

All: 60.988+/-0.009 χ^2/NDF: 11244992.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/9

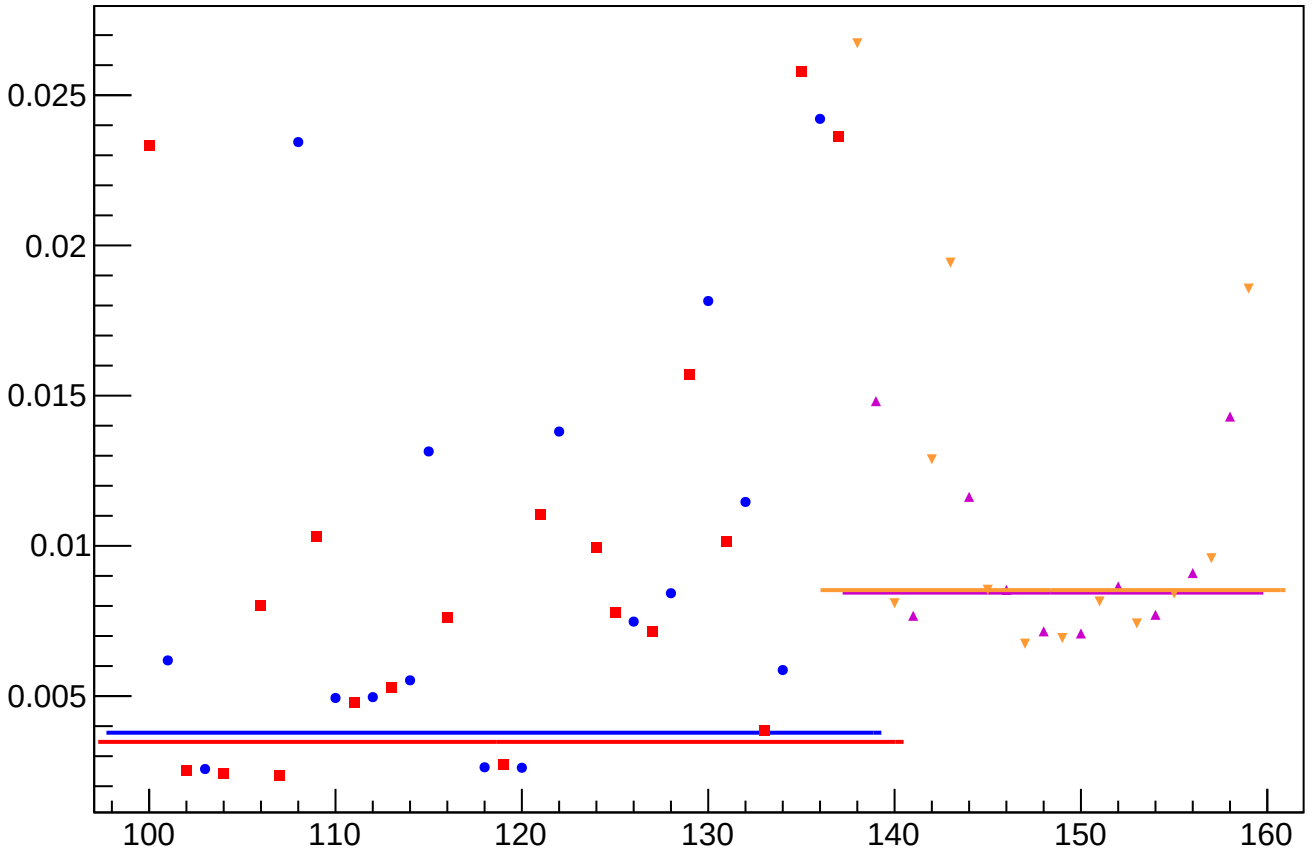
Left: -0.000+/-0.000 χ^2/NDF: 18.4/21

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:23.4/25

Out: -0.000+/-0.000 χ^2/NDF:34.4/30

All: -0.000+/-0.000 χ^2/NDF: 58.0/56



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:2084910.7/11

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:772932.3/9

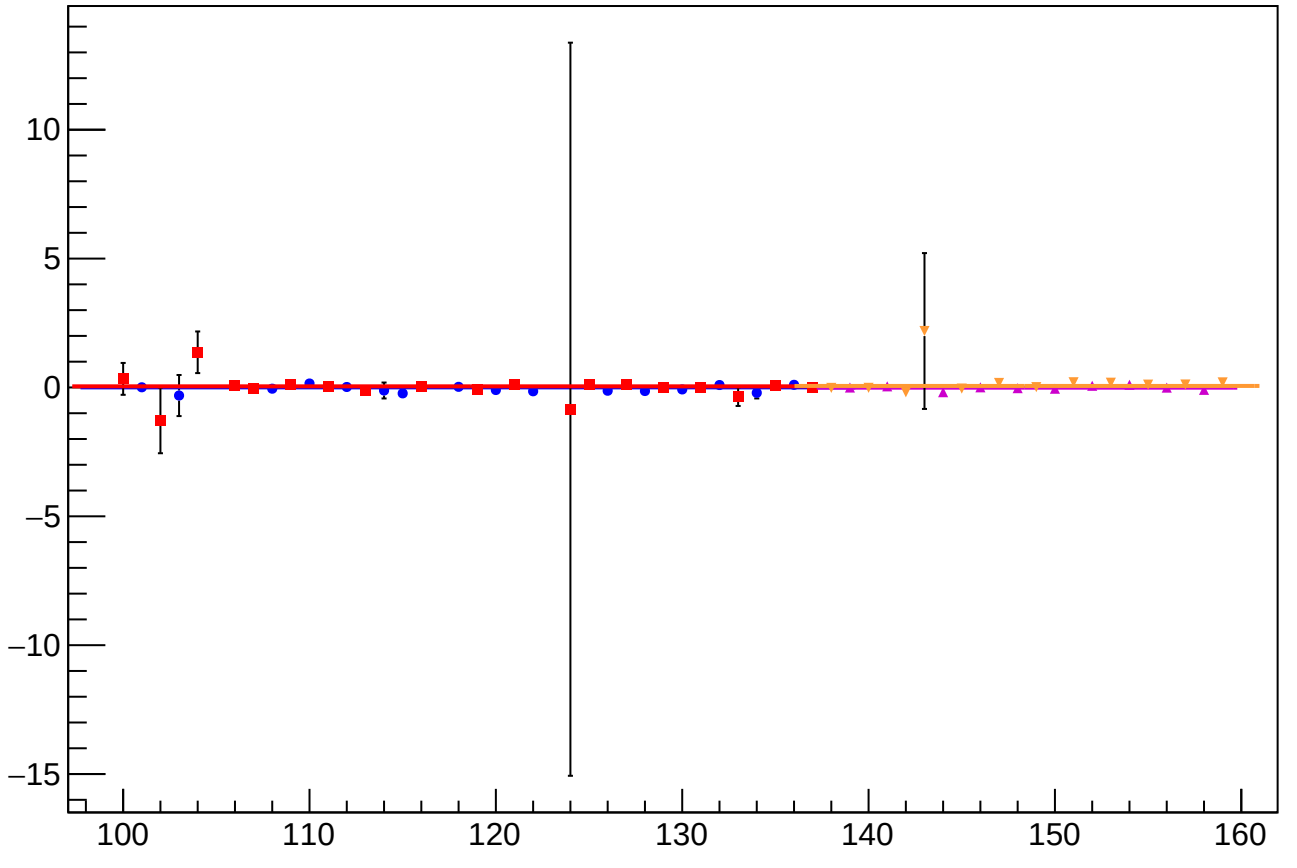
Left: 0.008+/-0.000 χ^2/NDF: 2858598.5/21

Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:8890795.7/25

Out: 0.005+/-0.000 χ^2/NDF:11151083.1/30

All: 0.005+/-0.000 χ^2/NDF: 20131317.7/56



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

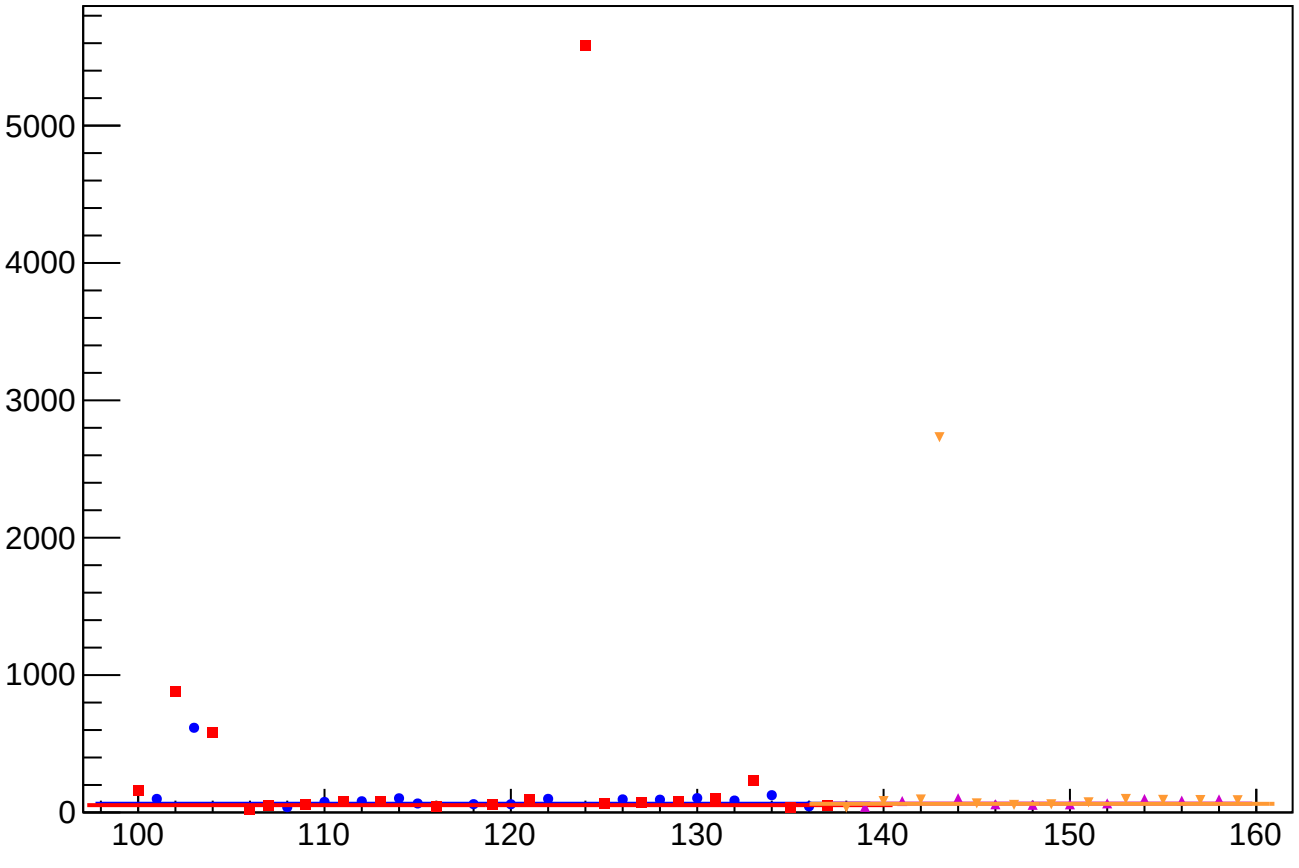
Left: 0.026+/-0.017 χ^2/NDF: 29.1/21

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.3/56



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.843+/-0.017 χ^2/NDF:3263569.2/11

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

Left: 63.595+/-0.012 χ^2/NDF: 4592564.0/21

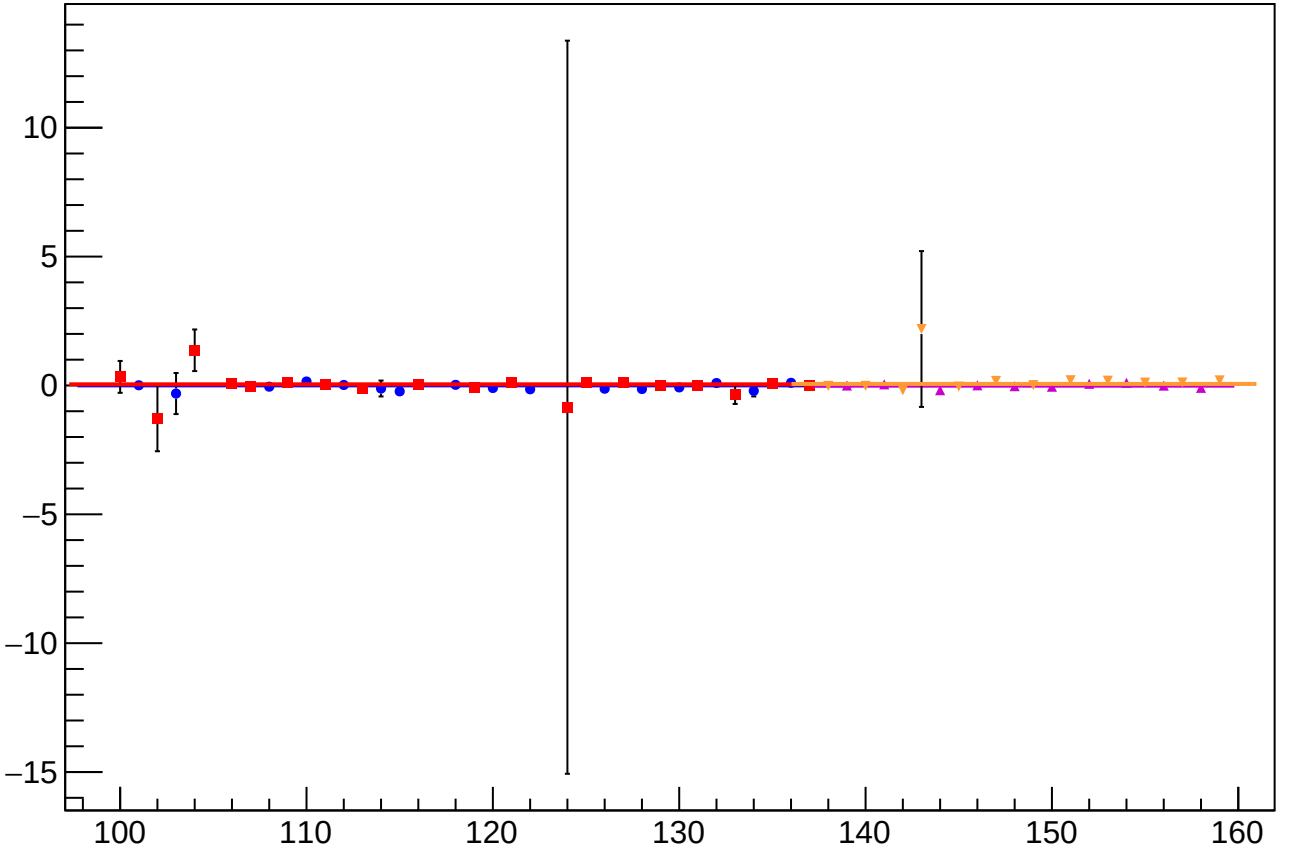
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.977+/-0.013 χ^2/NDF:3770444.7/25

Out: 58.291+/-0.012 χ^2/NDF:7369020.6/30

All: 60.989+/-0.009 χ^2/NDF: 11244840.4/56

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: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

Left: 0.026+/-0.017 χ^2/NDF: 29.1/21

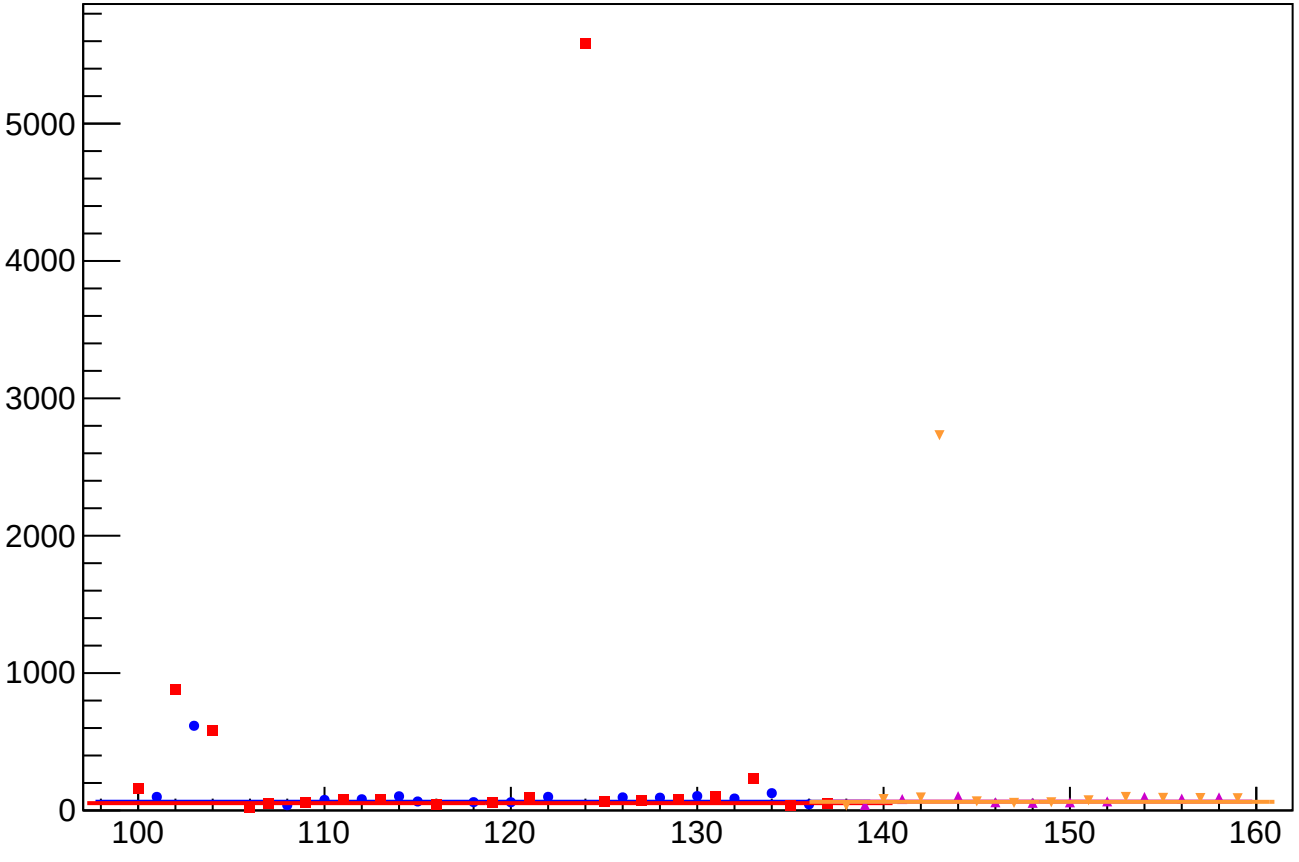
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.3/56

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: 62.843+/-0.017 χ^2/NDF:3263569.2/11

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

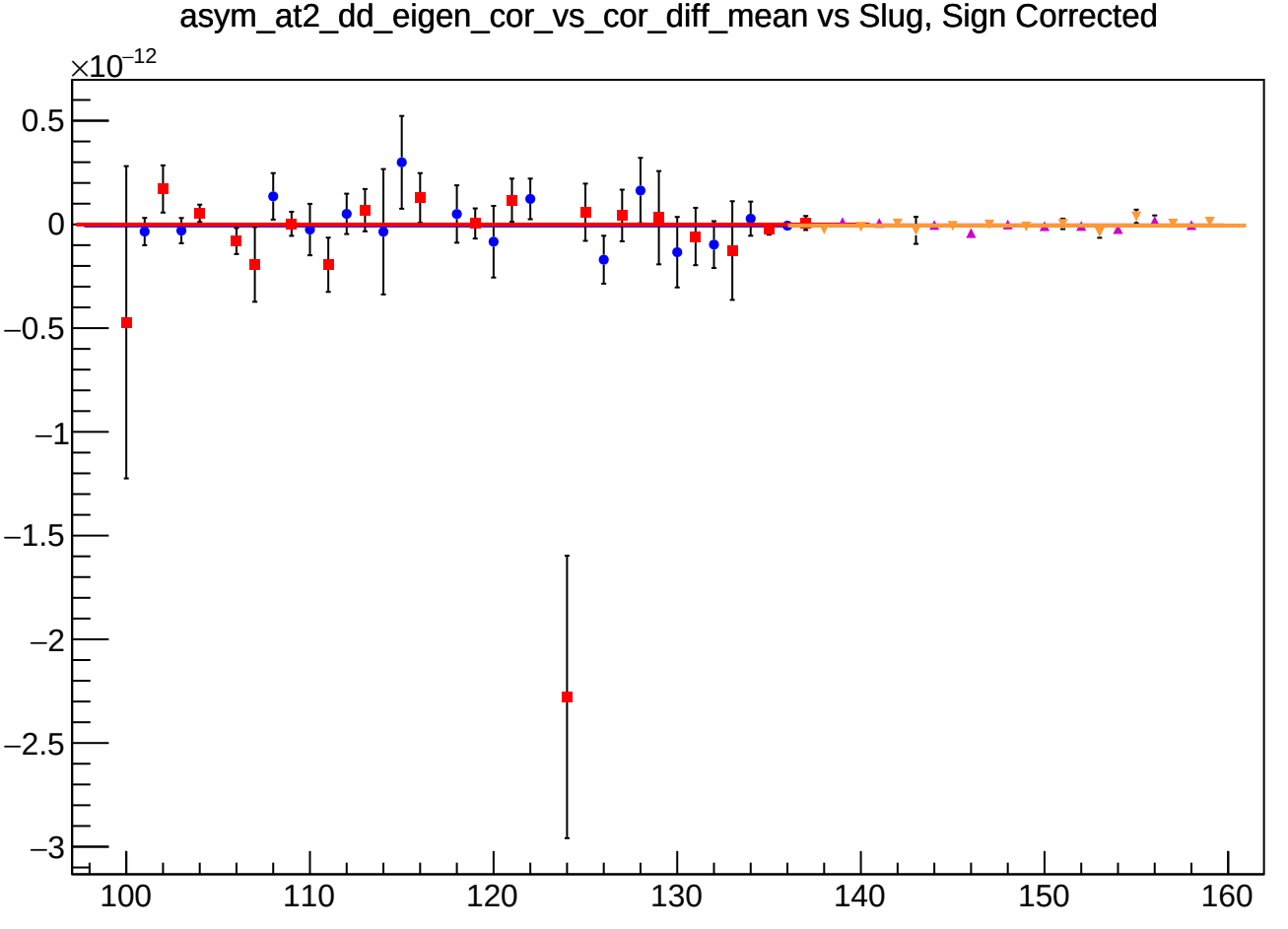
Left: 63.595+/-0.012 χ^2/NDF: 4592564.0/21

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.977+/-0.013 χ^2/NDF:3770444.7/25

Out: 58.291+/-0.012 χ^2/NDF:7369020.6/30

All: 60.989+/-0.009 χ^2/NDF: 11244840.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/9

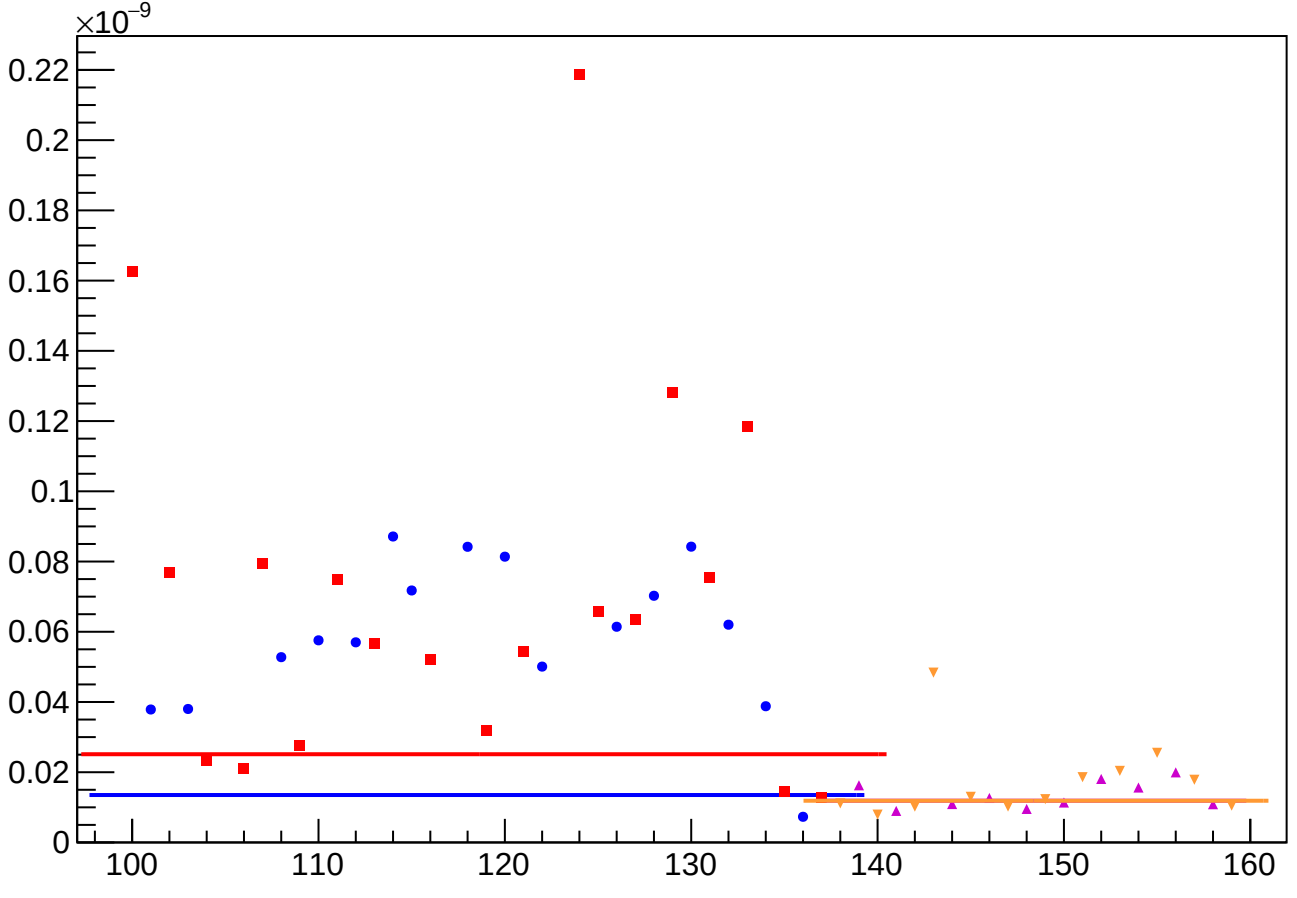
Left: -0.000+/-0.000 χ^2/NDF: 15.7/21

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.2/25

Out: -0.000+/-0.000 χ^2/NDF:32.5/30

All: -0.000+/-0.000 χ^2/NDF: 51.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1808724.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:680650.7/9

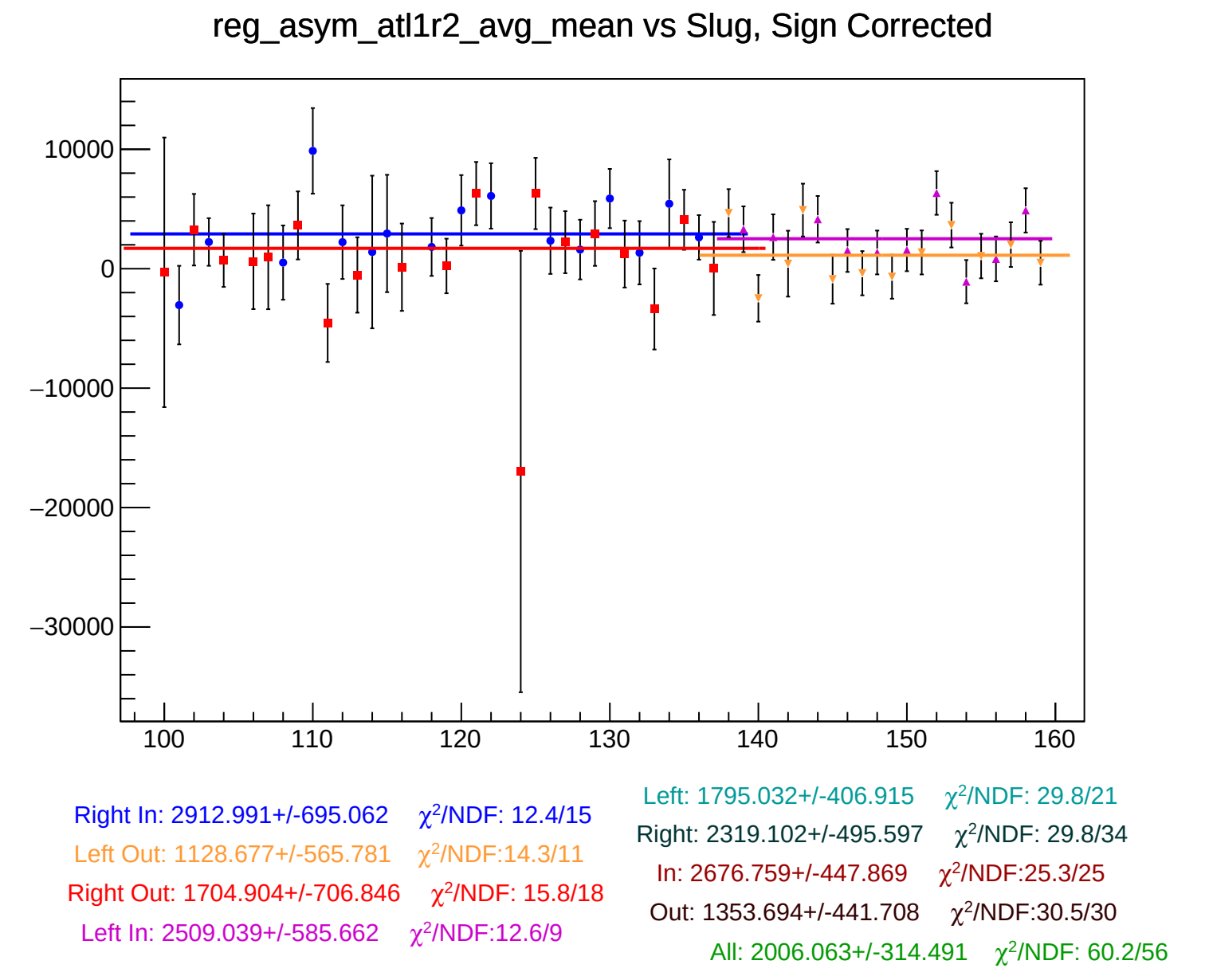
Left: 0.000+/-0.000 χ^2/NDF: 2489375.7/21

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

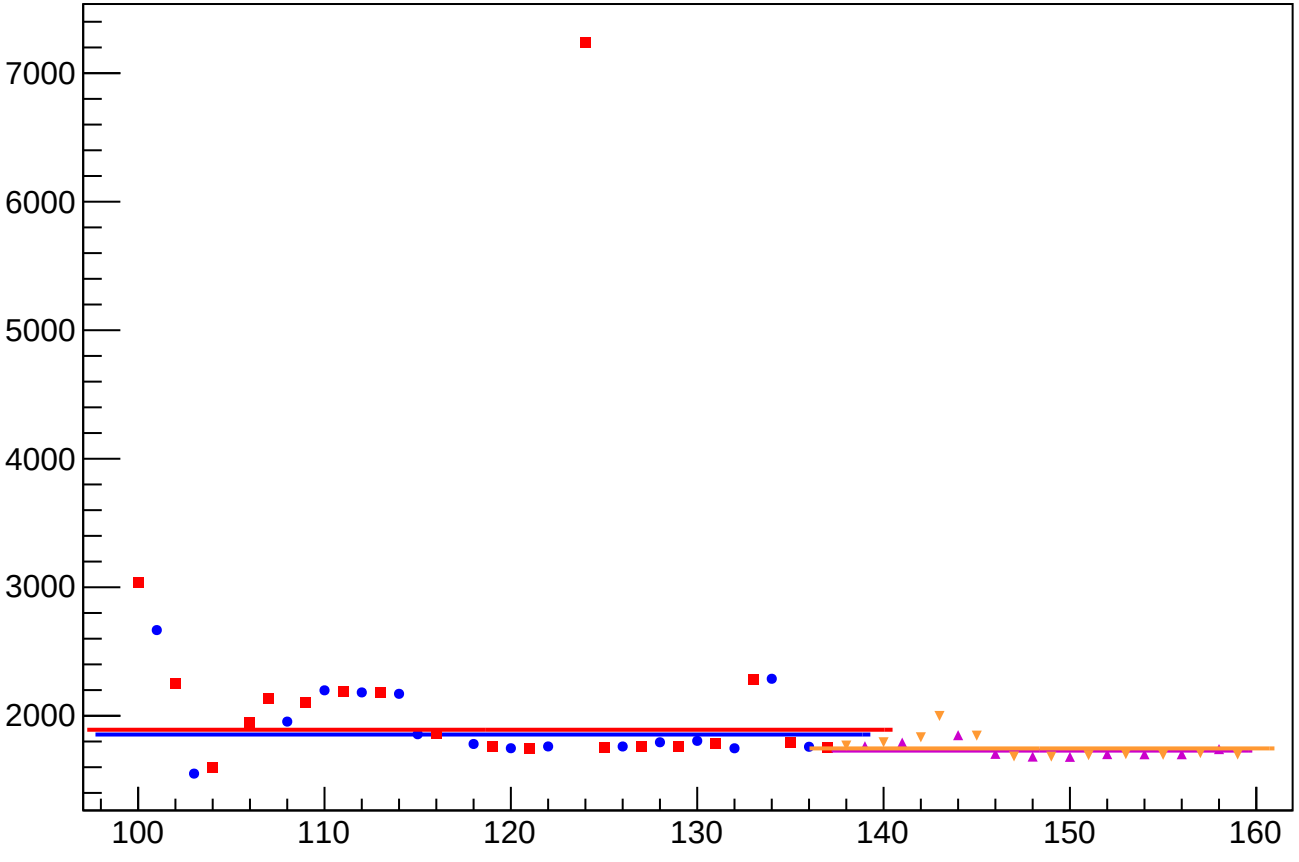
In: 0.000+/-0.000 χ^2/NDF:5714116.1/25

Out: 0.000+/-0.000 χ^2/NDF:6779938.5/30

All: 0.000+/-0.000 χ^2/NDF: 12540451.3/56


reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 2912.991+/-695.062 χ²/NDF: 12.4/15
Left Out: 1128.677+/-565.781 χ²/NDF:14.3/11
Right Out: 1704.904+/-706.846 χ²/NDF: 15.8/18
Left In: 2509.039+/-585.662 χ²/NDF:12.6/9
Left: 1795.032+/-406.915 χ²/NDF: 29.8/21
Right: 2319.102+/-495.597 χ²/NDF: 29.8/34
In: 2676.759+/-447.869 χ²/NDF:25.3/25
Out: 1353.694+/-441.708 χ²/NDF:30.5/30
All: 2006.063+/-314.491 χ²/NDF: 60.2/56

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1746.236+/-0.400 χ^2/NDF:45140.6/11

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

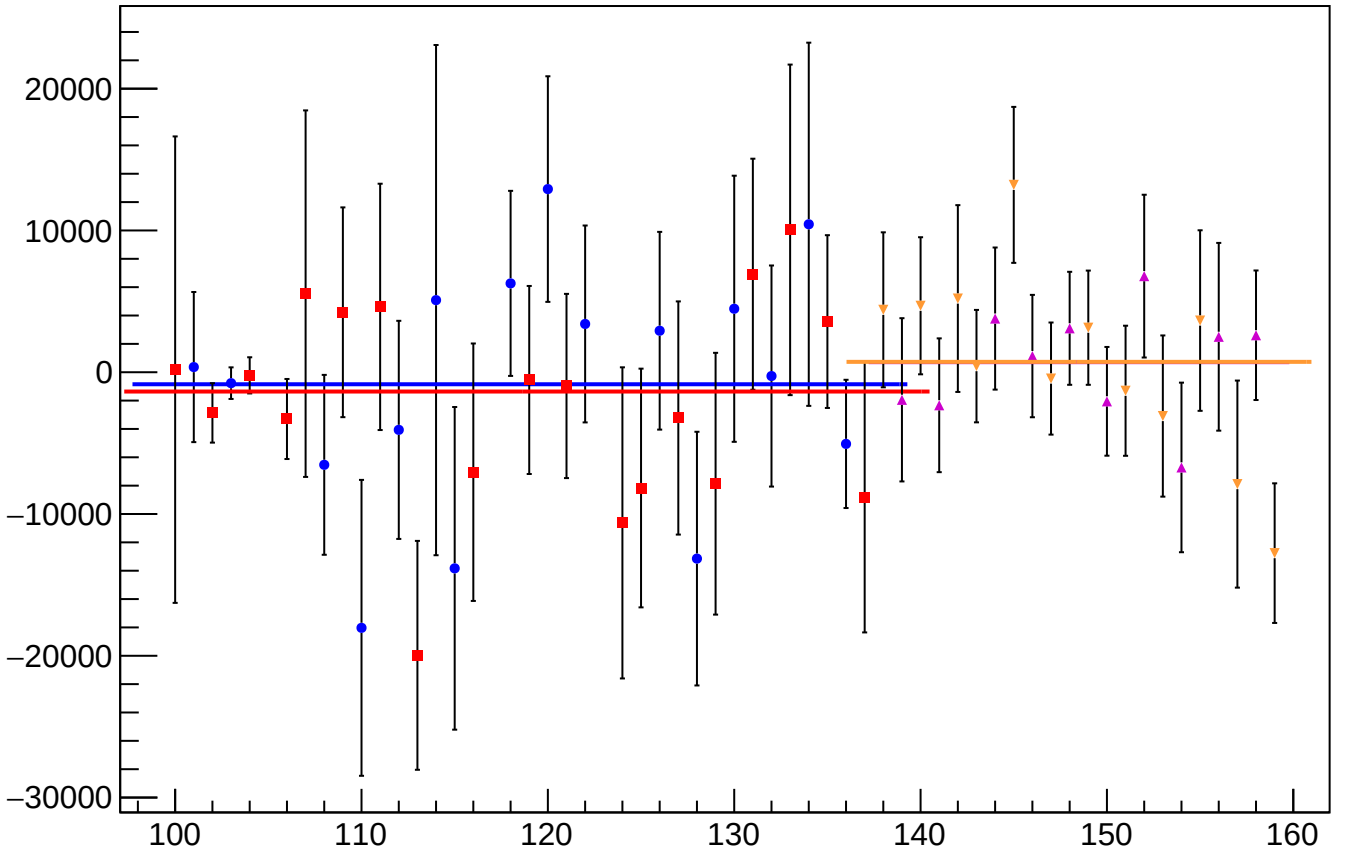
Left: 1737.993+/-0.288 χ^2/NDF: 61020.3/21

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1781.124+/-0.317 χ^2/NDF:316243.2/25

Out: 1803.110+/-0.312 χ^2/NDF:460798.7/30

All: 1792.279+/-0.222 χ^2/NDF: 779487.3/56



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 731.997+/-1436.434 χ^2/NDF:16.9/11

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 709.796+/-1527.521 χ^2/NDF:4.8/9

Left: 721.578+/-1046.432 χ^2/NDF: 21.7/21

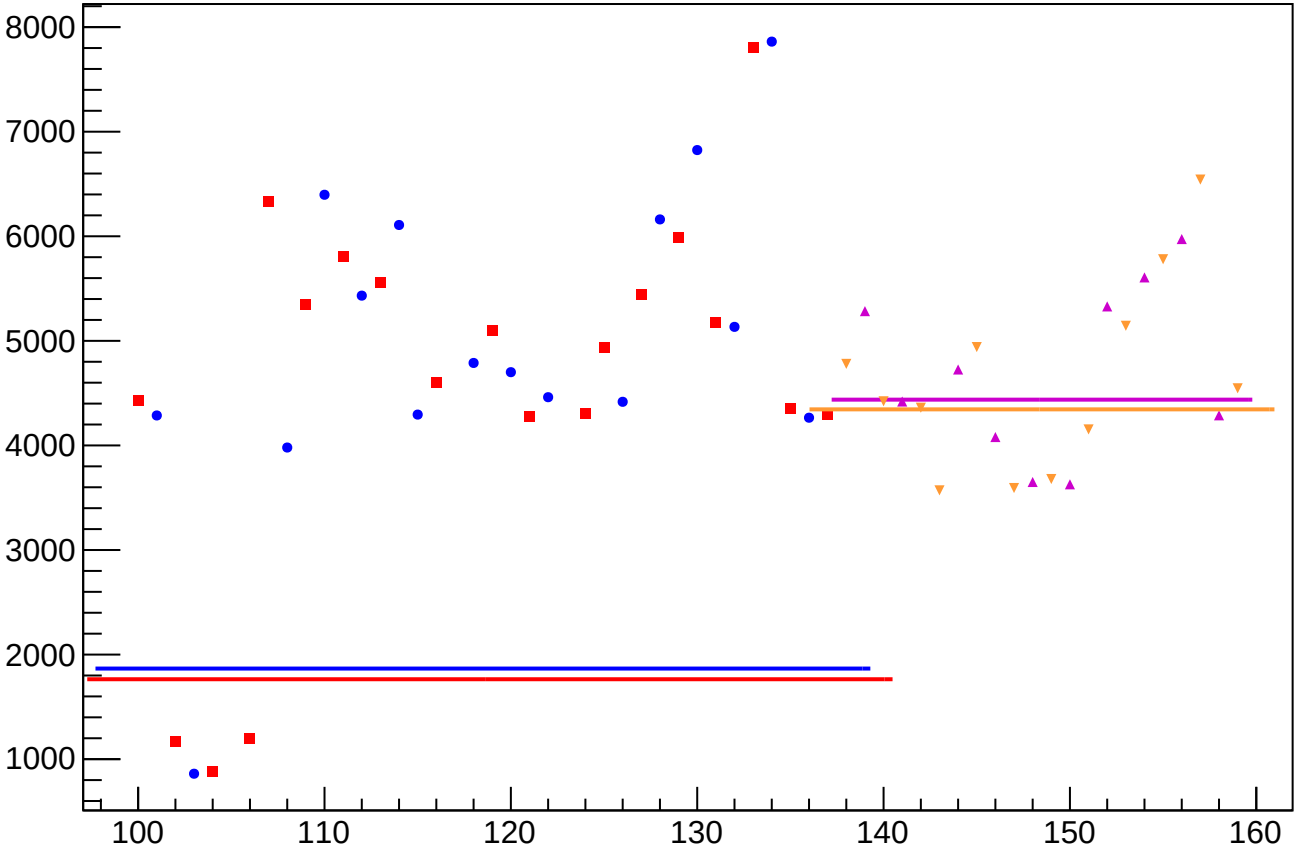
Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -404.985+/-814.578 χ^2/NDF:19.4/25

Out: -756.377+/-772.284 χ^2/NDF:32.5/30

All: -590.040+/-560.443 χ^2/NDF: 52.0/56

asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4344.922+/-1.016 χ^2/NDF:569056.7/11

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4437.801+/-1.080 χ^2/NDF:465127.0/9

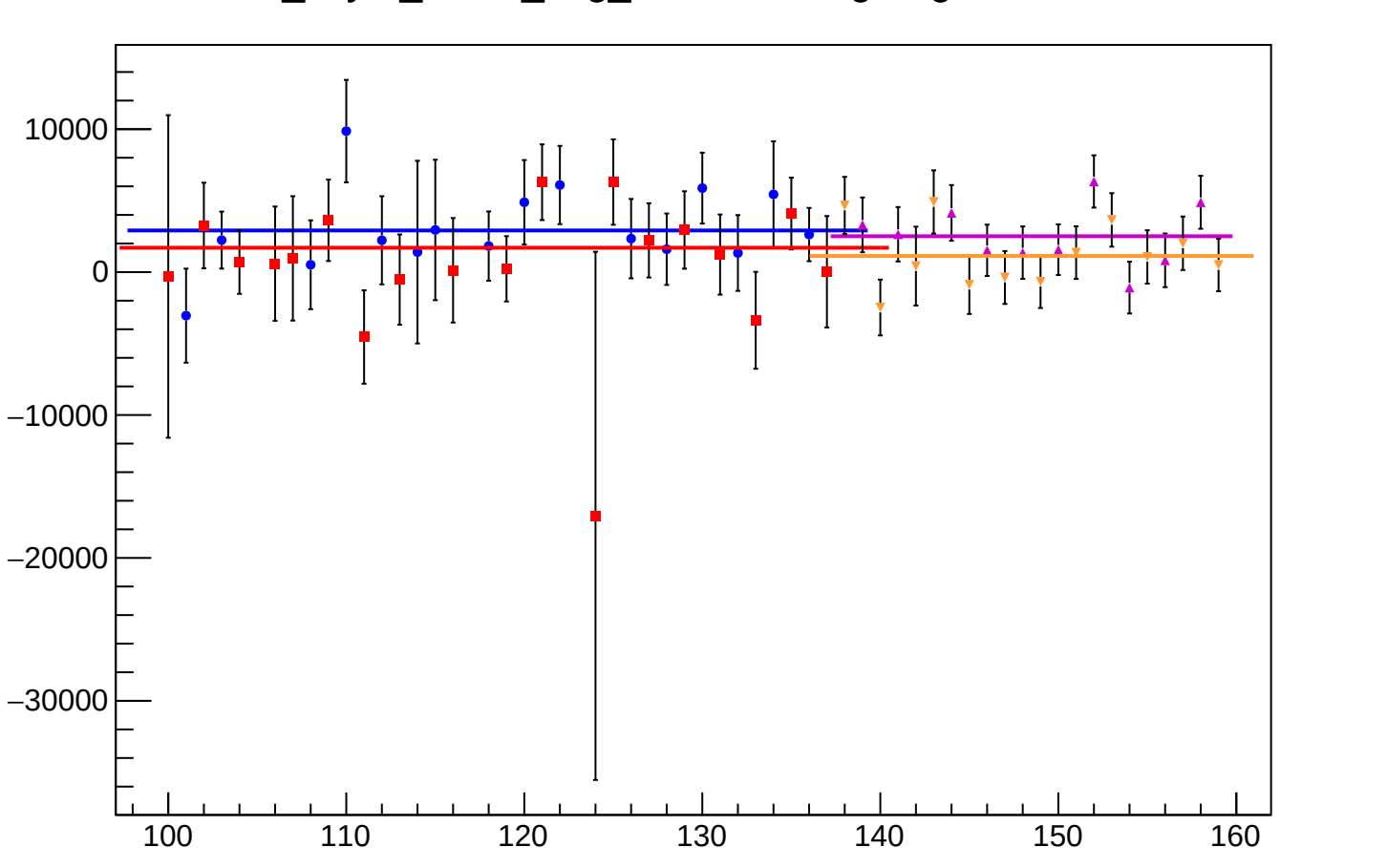
Left: 4388.510+/-0.740 χ^2/NDF: 1038107.7/21

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2597.646+/-0.576 χ^2/NDF:11370591.8/25

Out: 2510.233+/-0.546 χ^2/NDF:11593188.8/30

All: 2551.611+/-0.396 χ^2/NDF: 22975909.6/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1128.489+/-565.781 χ^2/NDF:14.3/11

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2509.191+/-585.662 χ^2/NDF:12.6/9

Left: 1795.008+/-406.915 χ^2/NDF: 29.8/21

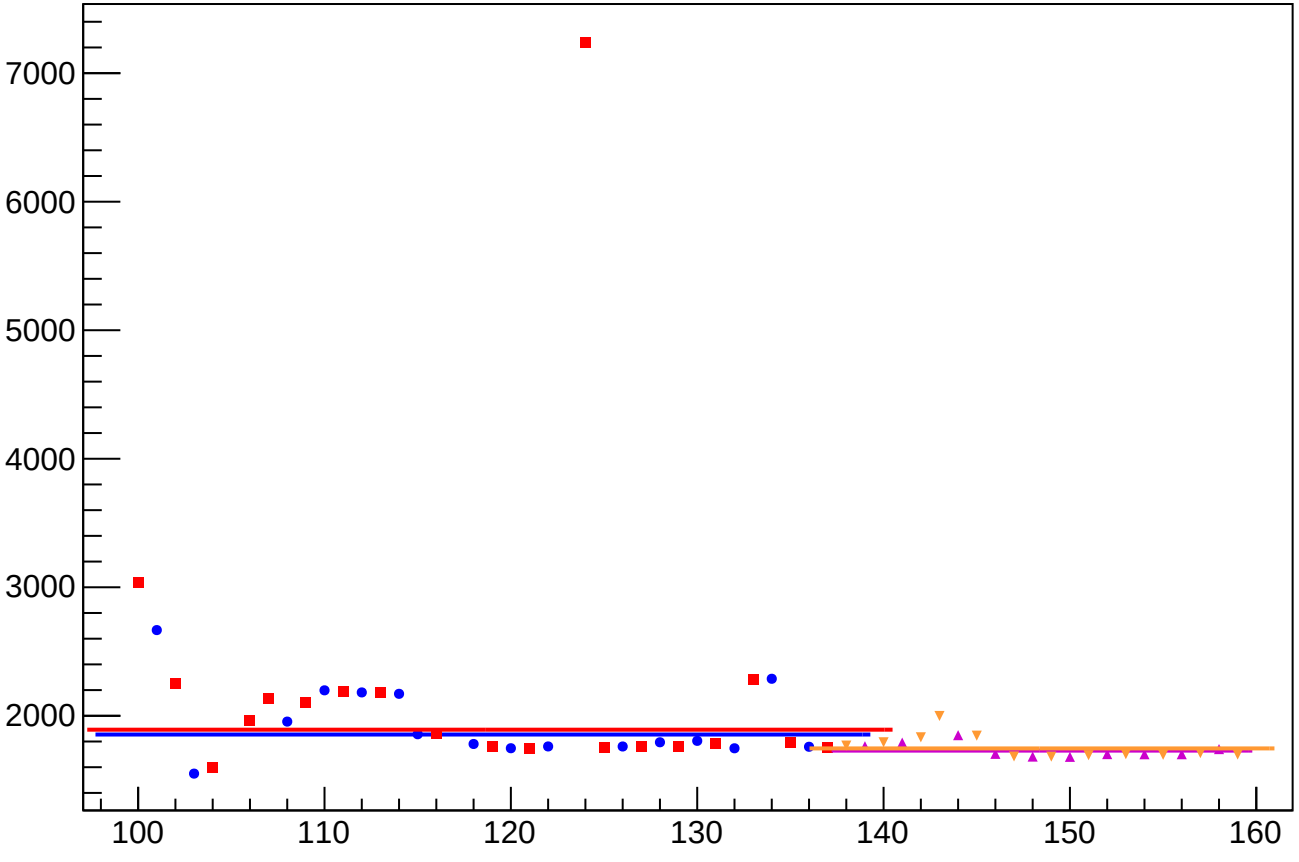
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2676.890+/-447.869 χ^2/NDF:25.3/25

Out: 1353.039+/-441.708 χ^2/NDF:30.5/30

All: 2005.796+/-314.491 χ^2/NDF: 60.2/56

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1746.236+/-0.400 χ^2/NDF:45140.6/11

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

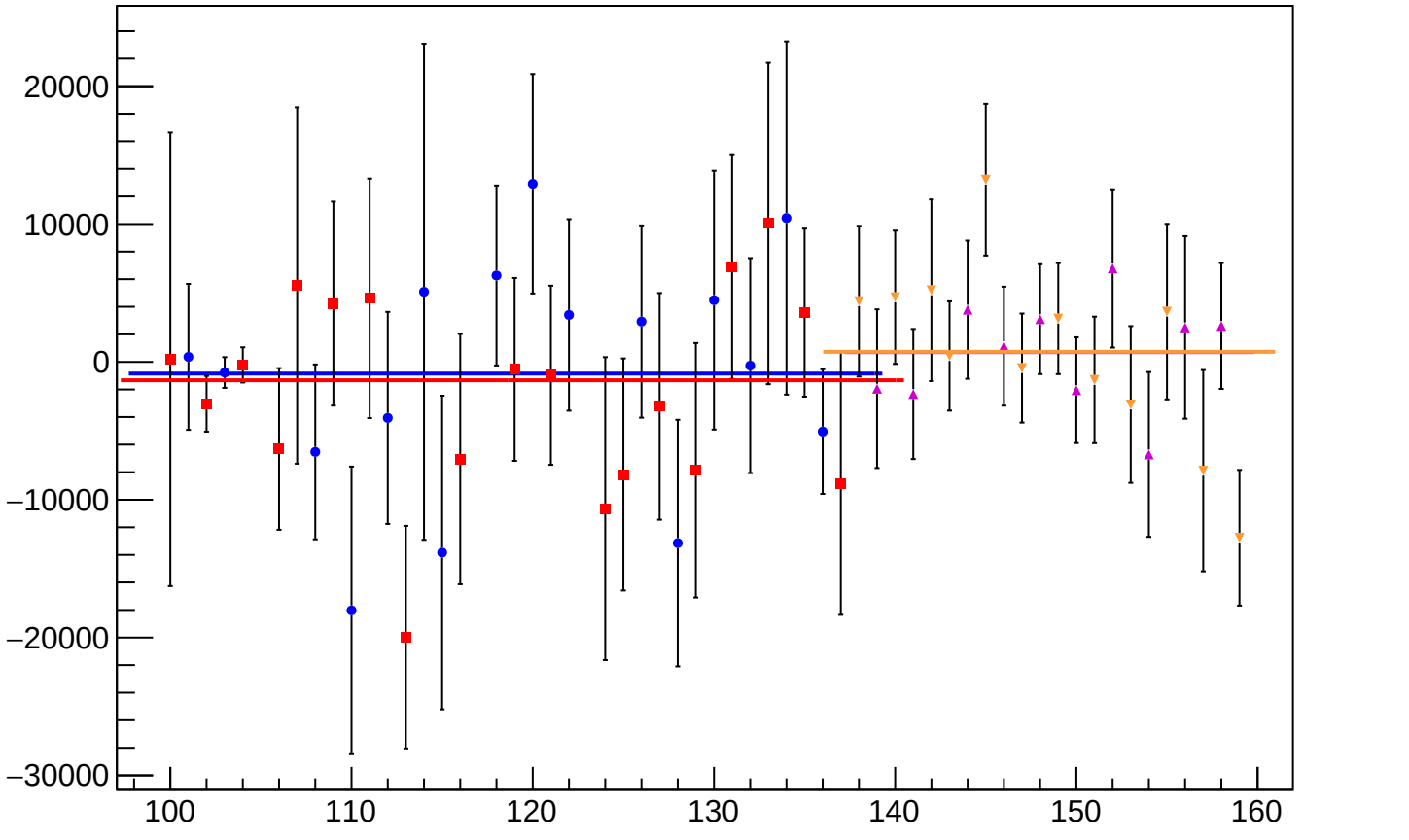
Left: 1737.993+/-0.288 χ^2/NDF: 61020.3/21

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1781.124+/-0.317 χ^2/NDF:316243.1/25

Out: 1803.274+/-0.312 χ^2/NDF:461352.2/30

All: 1792.361+/-0.222 χ^2/NDF: 780077.0/56



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 731.903+/-1436.432 χ^2/NDF:16.9/11

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 709.929+/-1527.520 χ^2/NDF:4.8/9

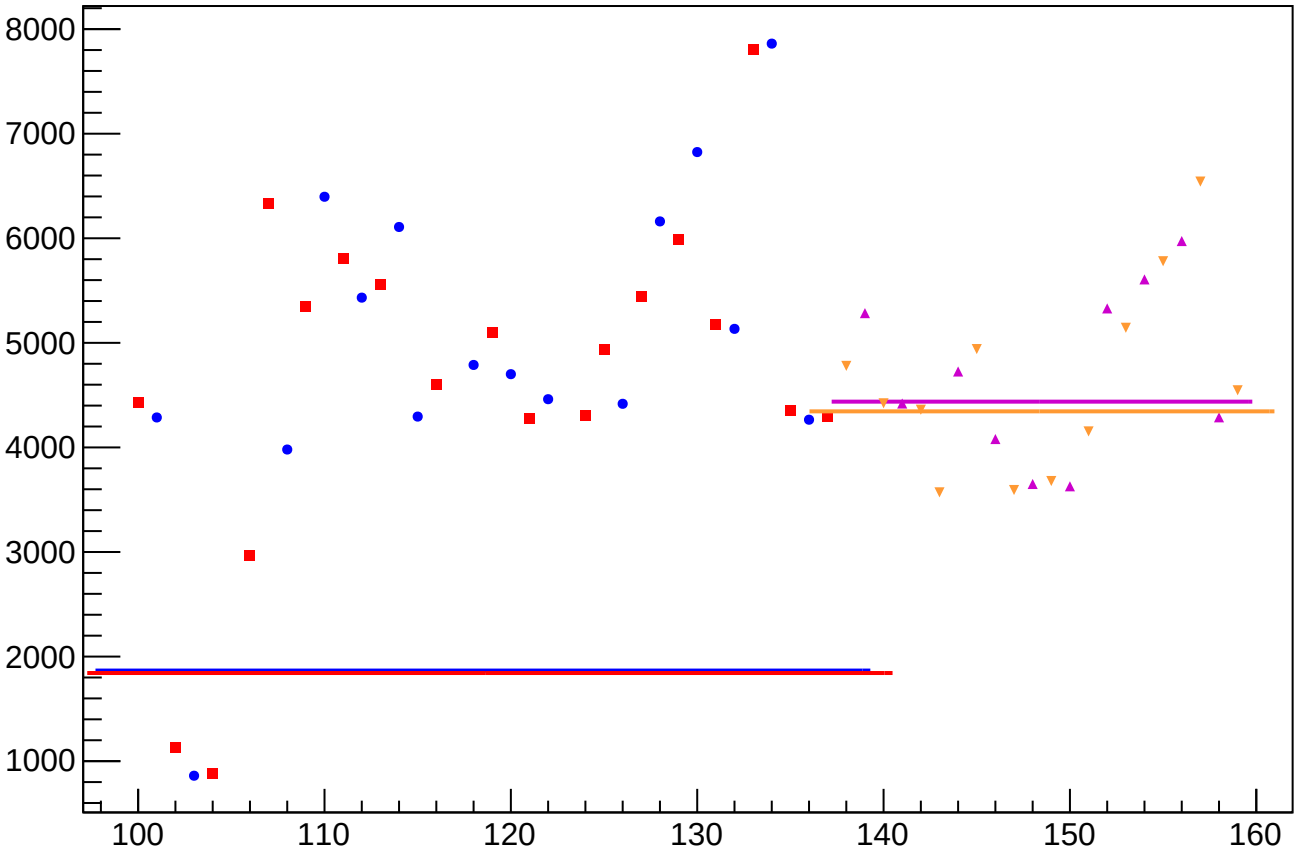
Left: 721.591+/-1046.432 χ^2/NDF: 21.7/21

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -404.644+/-814.546 χ^2/NDF:19.4/25

Out: -705.210+/-791.316 χ^2/NDF:32.8/30

All: -559.274+/-567.580 χ^2/NDF: 52.3/56



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4344.917+/-1.016 χ^2/NDF:569068.7/11

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

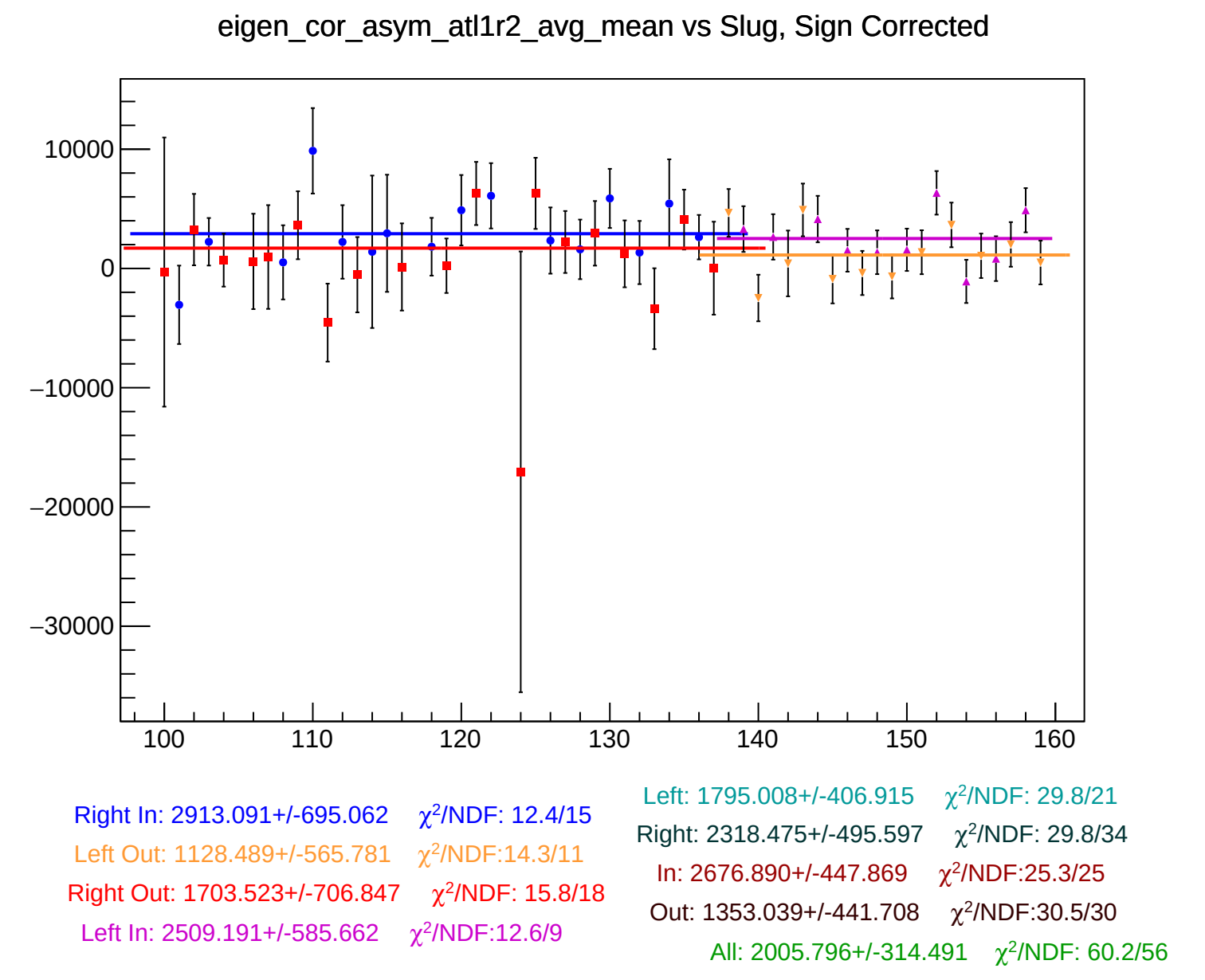
Left: 4388.506+/-0.740 χ^2/NDF: 1038128.6/21

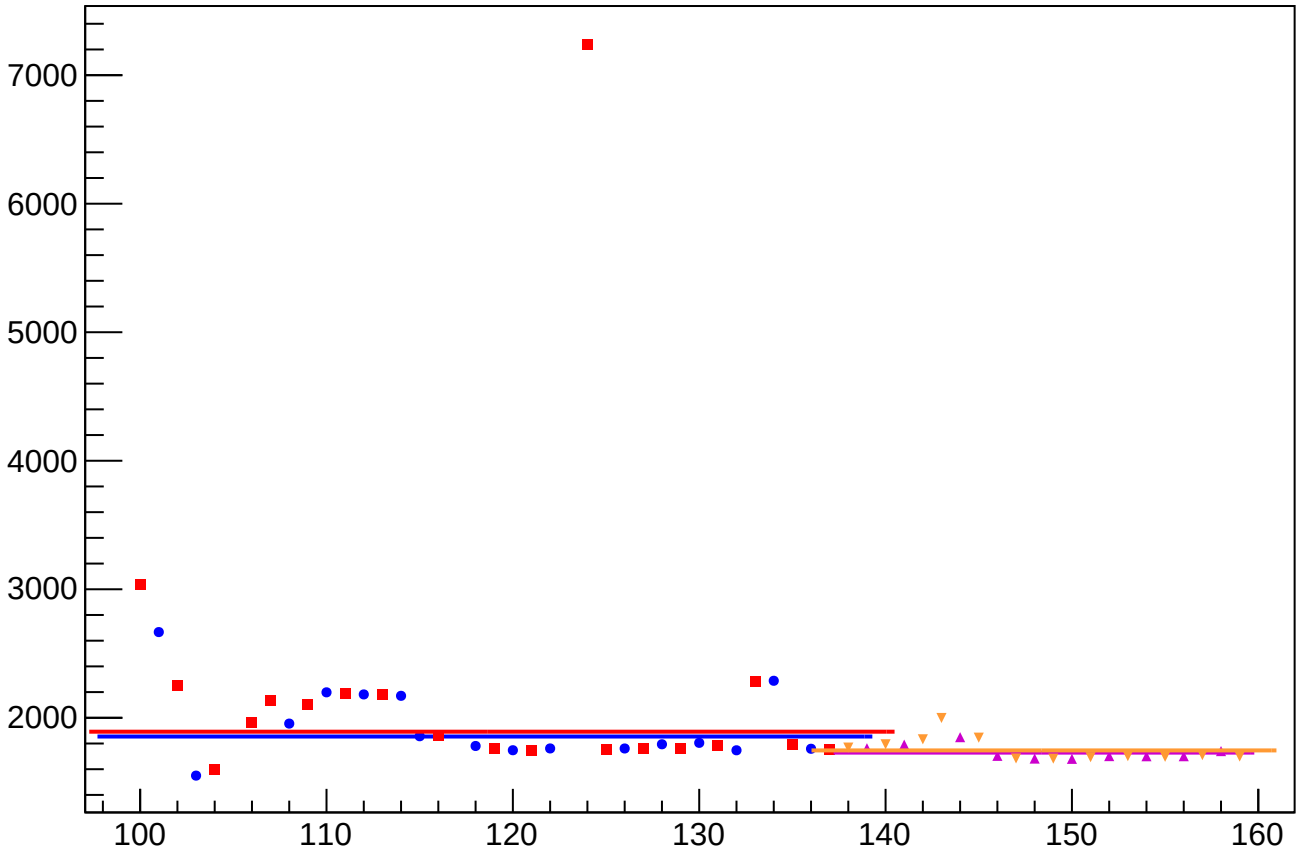
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2597.478+/-0.576 χ^2/NDF:11371629.4/25

Out: 2602.199+/-0.560 χ^2/NDF:11254019.8/30

All: 2599.906+/-0.401 χ^2/NDF: 22625683.7/5


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1128.489+/-565.781 χ²/NDF:14.3/11
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2509.191+/-585.662 χ²/NDF:12.6/9
Left: 1795.008+/-406.915 χ²/NDF: 29.8/21
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2676.890+/-447.869 χ²/NDF:25.3/25
Out: 1353.039+/-441.708 χ²/NDF:30.5/30
All: 2005.796+/-314.491 χ²/NDF: 60.2/56



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1746.236+/-0.400 χ^2/NDF:45140.6/11

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

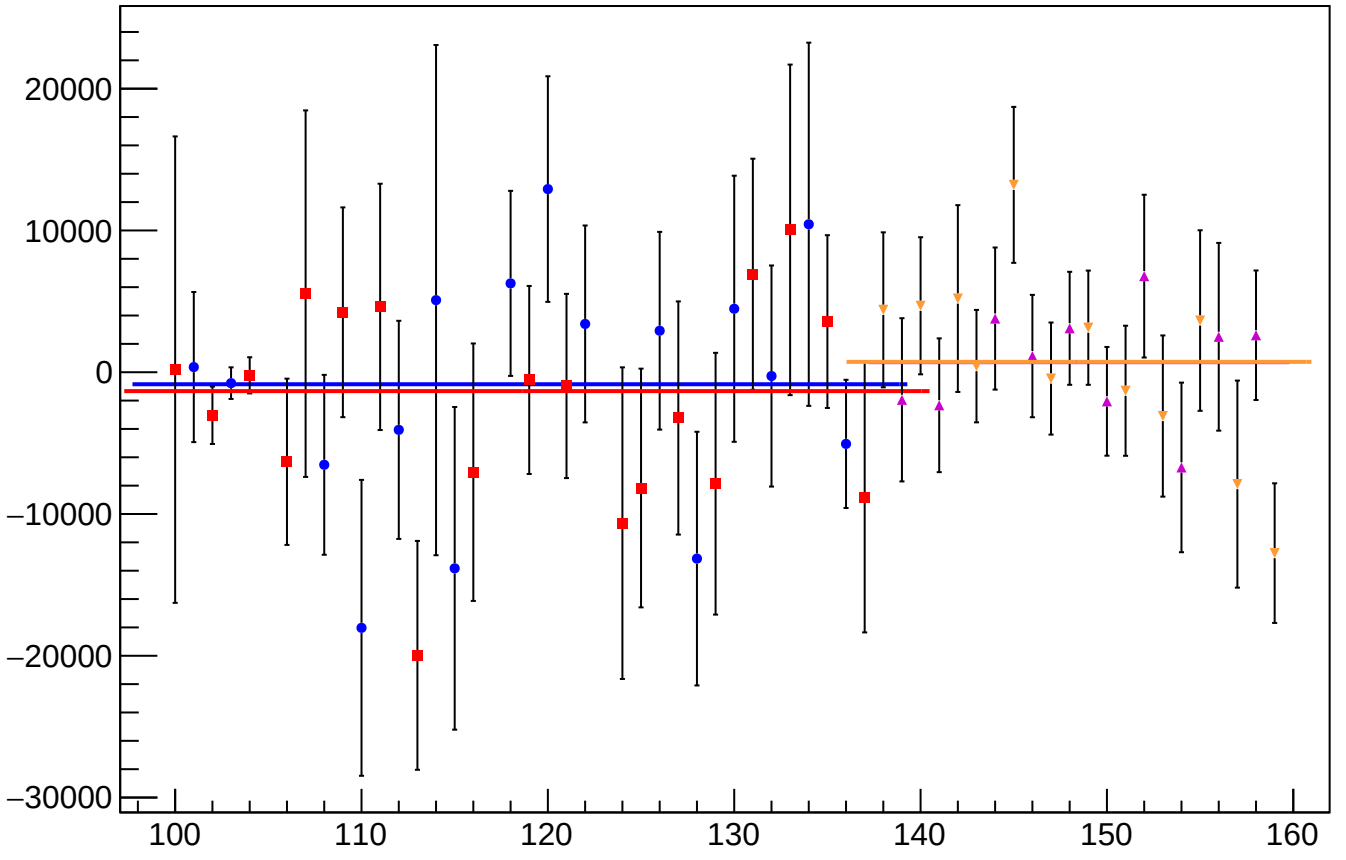
Left: 1737.993+/-0.288 χ^2/NDF: 61020.3/21

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1781.124+/-0.317 χ^2/NDF:316243.1/25

Out: 1803.274+/-0.312 χ^2/NDF:461352.2/30

All: 1792.361+/-0.222 χ^2/NDF: 780077.0/56



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 731.903+/-1436.432 χ^2/NDF:16.9/11

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 709.929+/-1527.520 χ^2/NDF:4.8/9

Left: 721.591+/-1046.432 χ^2/NDF: 21.7/21

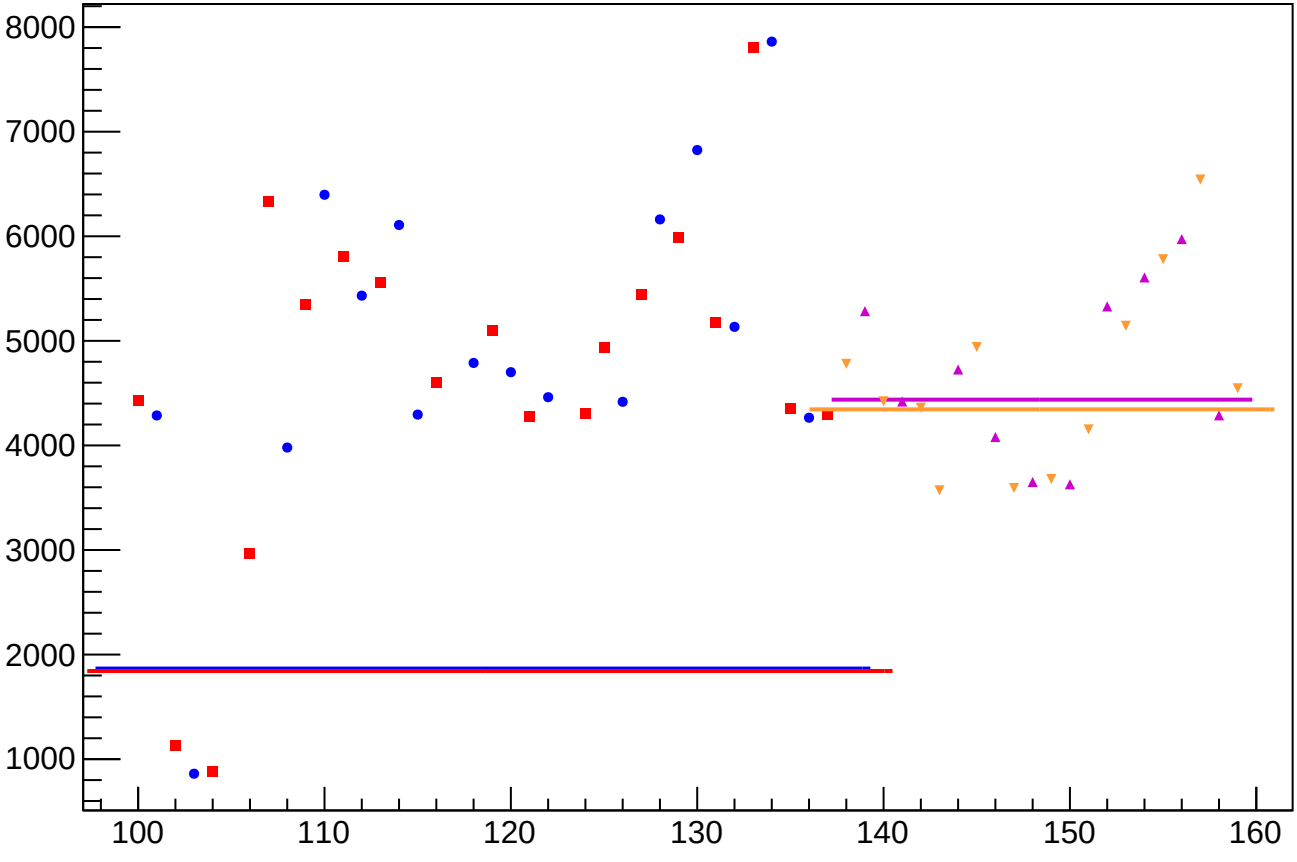
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -404.644+/-814.546 χ^2/NDF:19.4/25

Out: -705.210+/-791.316 χ^2/NDF:32.8/30

All: -559.274+/-567.580 χ^2/NDF: 52.3/56

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4344.917+/-1.016 χ^2/NDF:569068.7/11

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

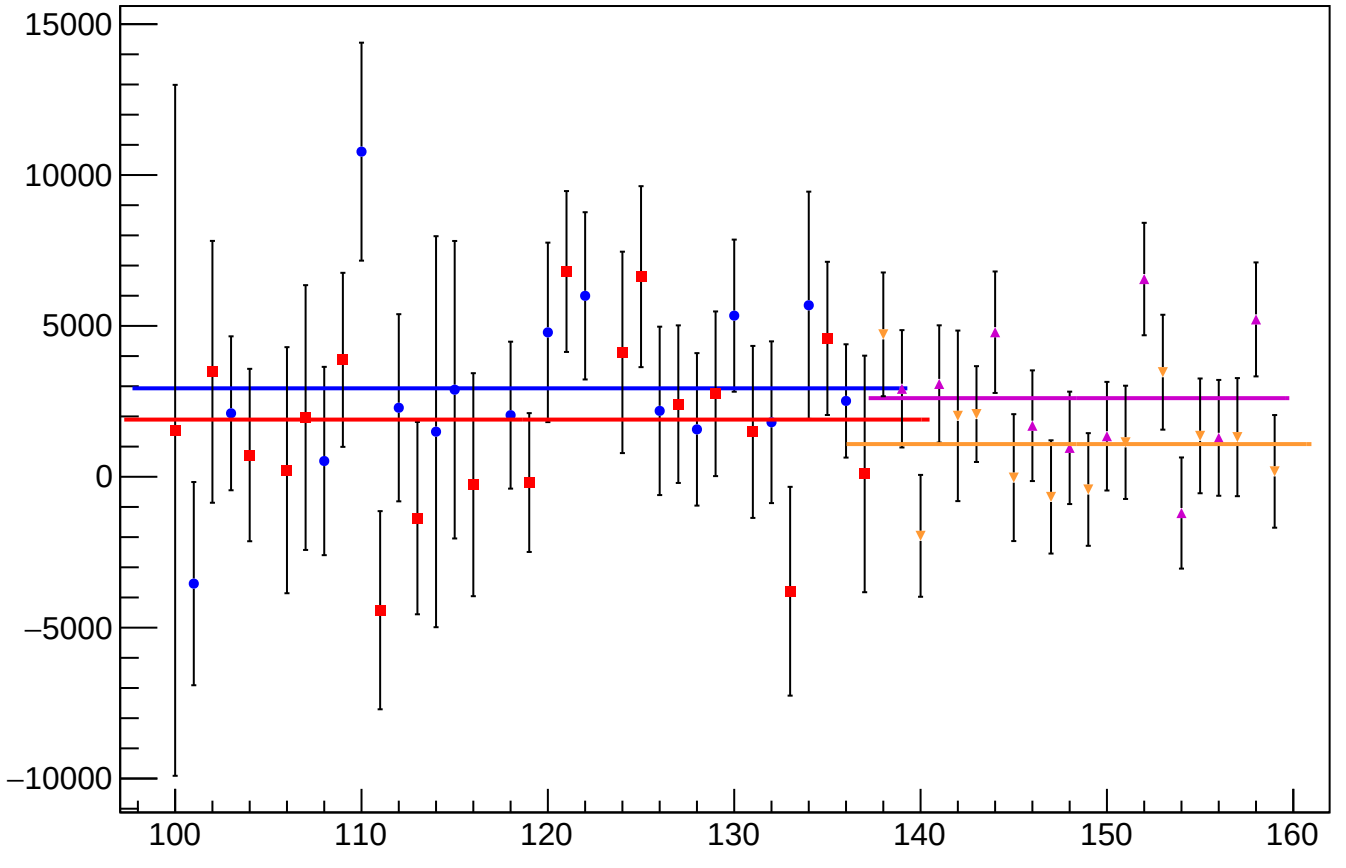
Left: 4388.506+/-0.740 χ^2/NDF: 1038128.6/21

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2597.478+/-0.576 χ^2/NDF:11371629.4/25

Out: 2602.199+/-0.560 χ^2/NDF:11254019.8/30

All: 2599.906+/-0.401 χ^2/NDF: 22625683.7/5



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1083.579+/-560.195 χ^2/NDF:9.6/11

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2605.577+/-597.069 χ^2/NDF:13.9/9

Left: 1796.132+/-408.532 χ^2/NDF: 26.9/21

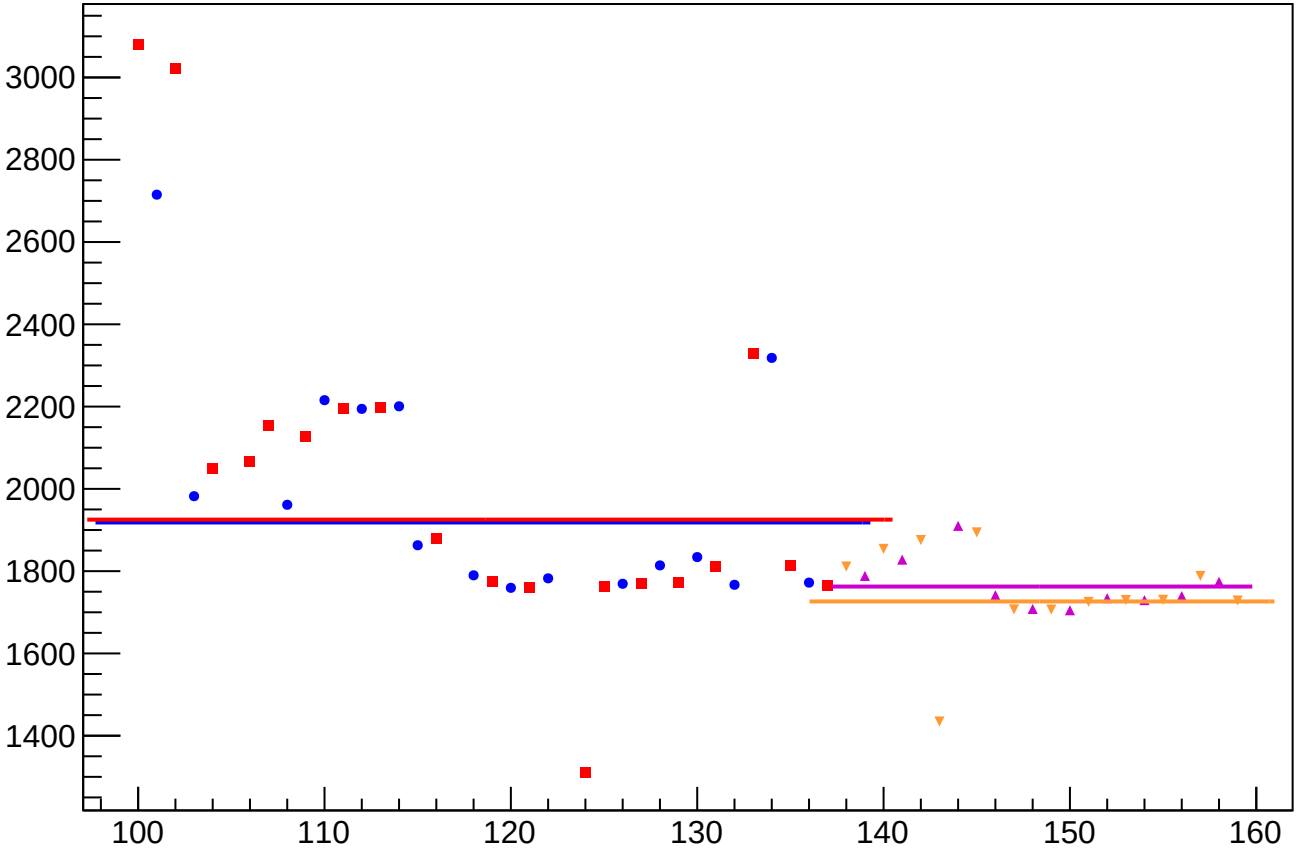
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2738.829+/-459.158 χ^2/NDF:27.0/25

Out: 1388.712+/-442.584 χ^2/NDF:27.7/30

All: 2038.964+/-318.653 χ^2/NDF: 59.2/56

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.355+/-0.396 χ^2/NDF:99738.2/11

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1762.575+/-0.422 χ^2/NDF:18843.9/9

Left: 1743.312+/-0.289 χ^2/NDF: 122496.5/21

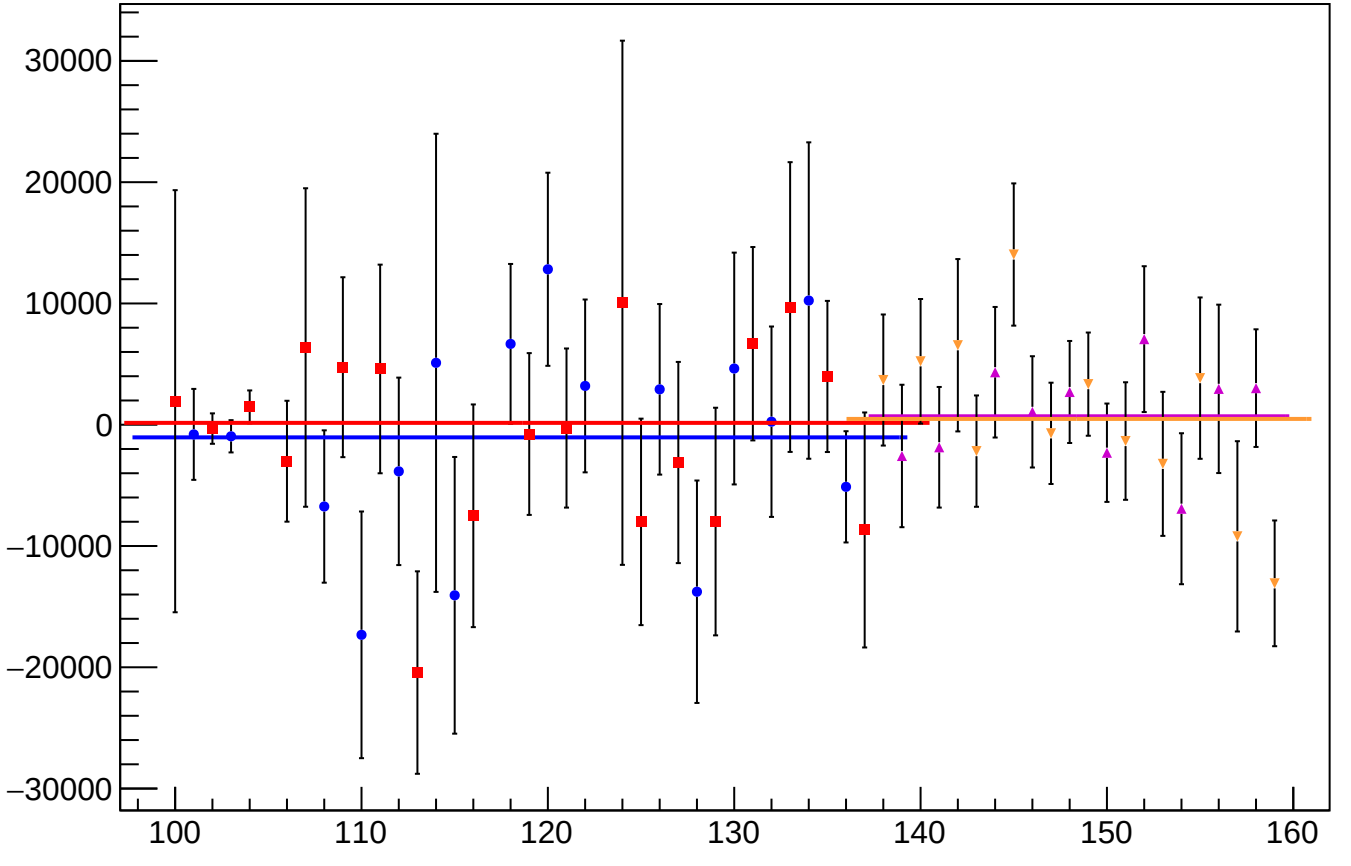
Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1826.233+/-0.325 χ^2/NDF:290075.3/25

Out: 1801.183+/-0.313 χ^2/NDF:533688.9/30

All: 1813.244+/-0.225 χ^2/NDF: 826851.0/56

asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 479.903+/-1528.508 χ^2/NDF:17.3/11

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 696.338+/-1610.681 χ^2/NDF:4.8/9

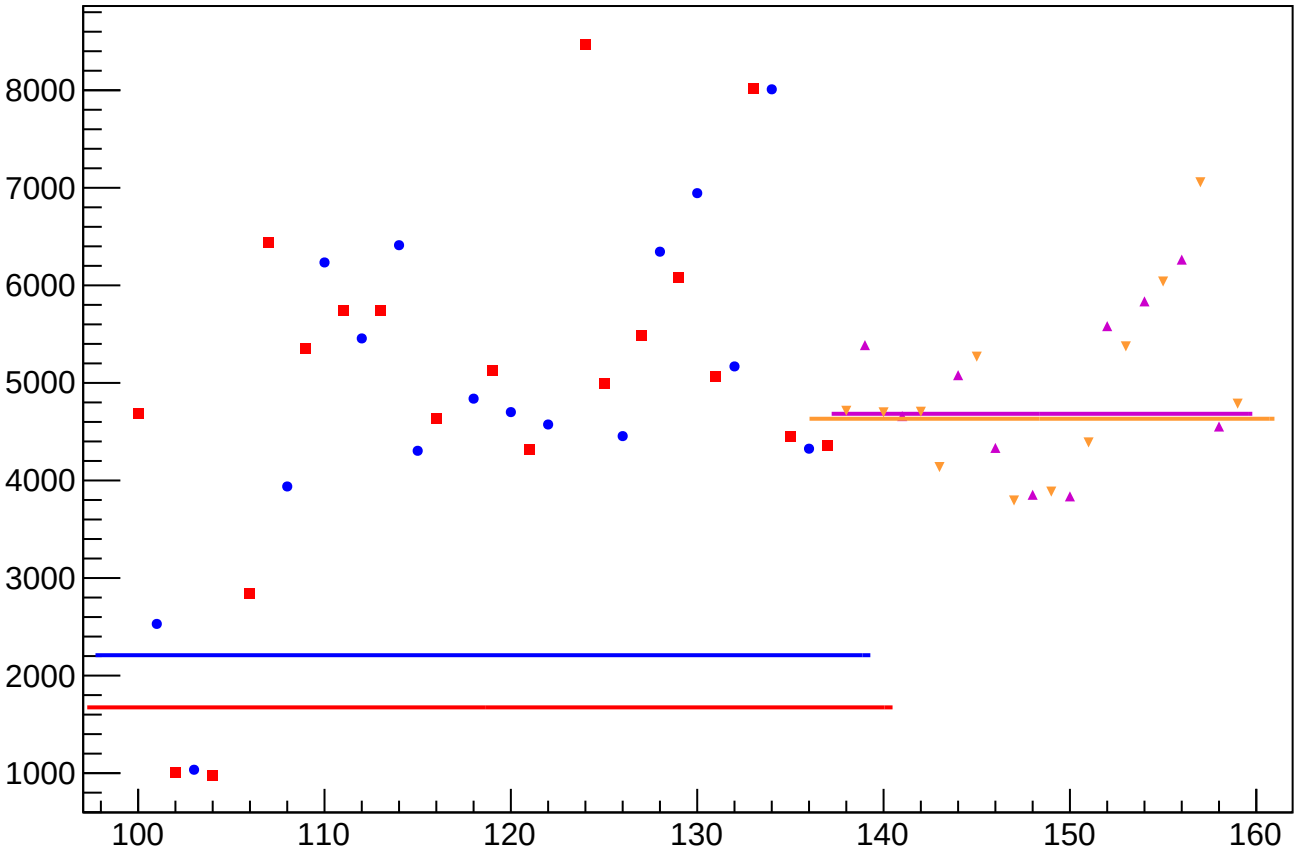
Left: 582.459+/-1108.730 χ^2/NDF: 22.1/21

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -508.015+/-892.649 χ^2/NDF:19.4/25

Out: 228.702+/-733.230 χ^2/NDF:31.1/30

All: -68.109+/-566.591 χ^2/NDF: 50.9/56



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4632.745+/-1.081 χ^2/NDF:508210.0/11

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4683.553+/-1.139 χ^2/NDF:434464.5/9

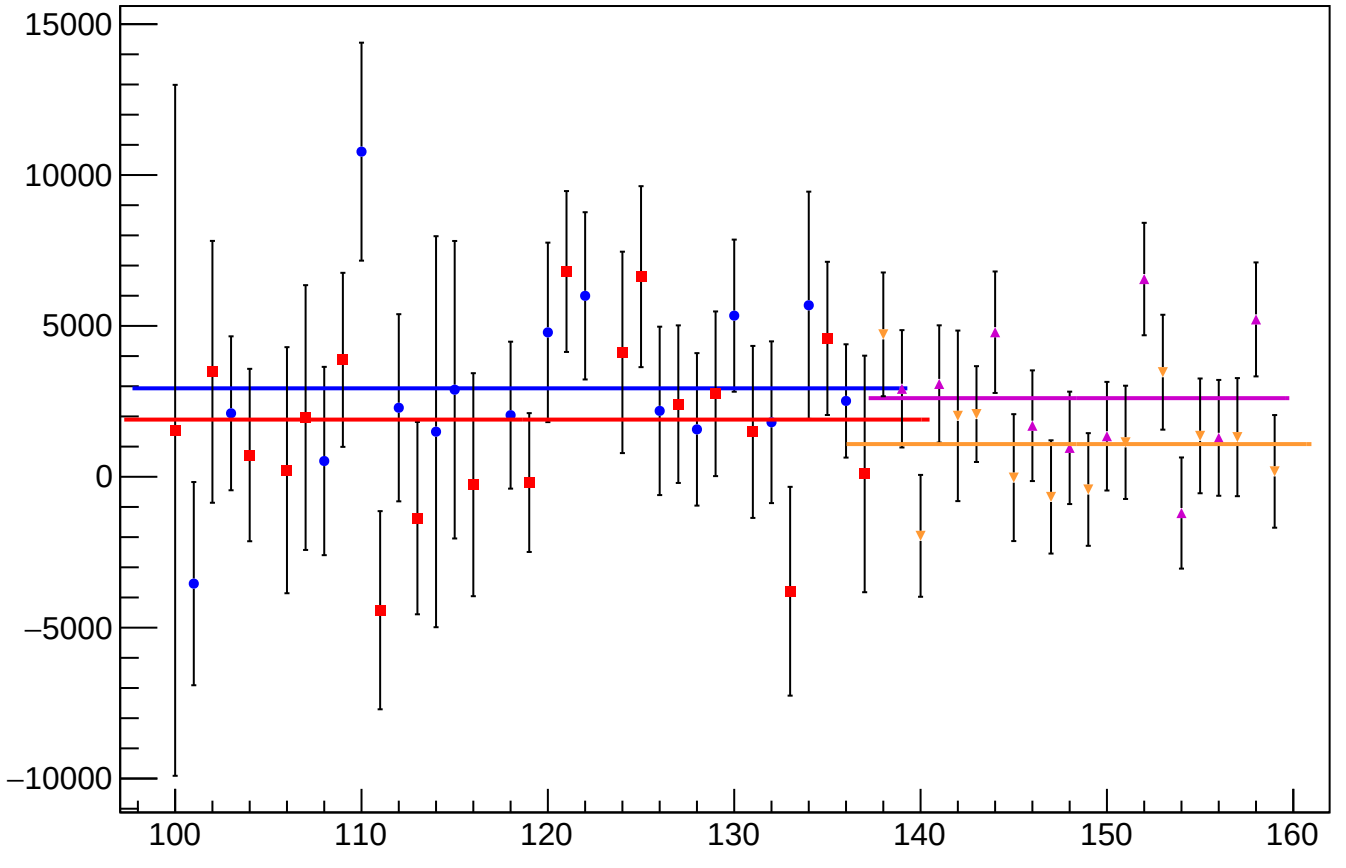
Left: 4656.820+/-0.784 χ^2/NDF: 943721.6/21

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2968.984+/-0.631 χ^2/NDF:9204459.5/25

Out: 2354.976+/-0.518 χ^2/NDF:13130256.6/30

All: 2602.349+/-0.401 χ^2/NDF: 22899751.2/5



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1083.572+/-560.195 χ^2/NDF:9.6/11

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2605.576+/-597.069 χ^2/NDF:13.9/9

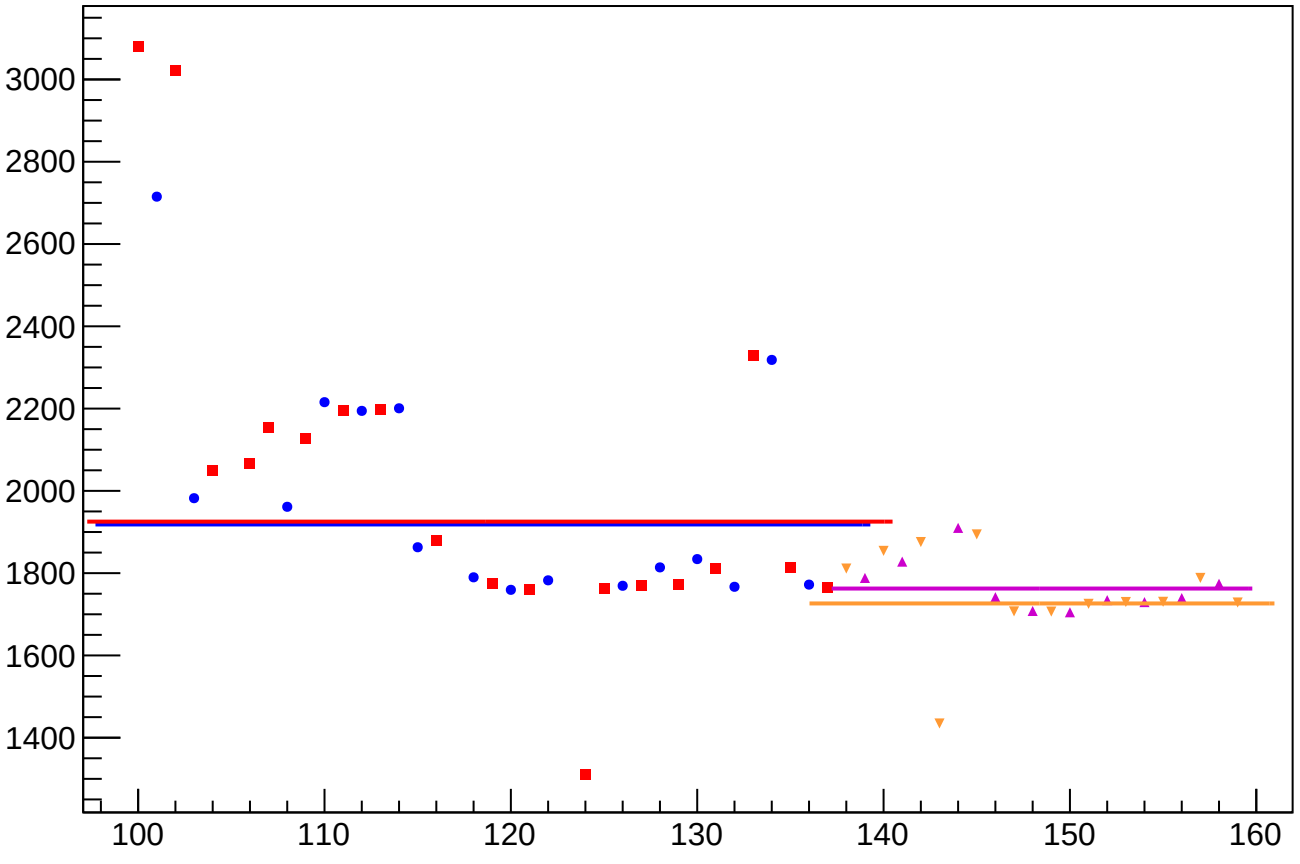
Left: 1796.127+/-408.532 χ^2/NDF: 26.9/21

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2738.830+/-459.158 χ^2/NDF:27.0/25

Out: 1388.709+/-442.584 χ^2/NDF:27.7/30

All: 2038.963+/-318.653 χ^2/NDF: 59.2/56



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.356+/-0.396 χ^2/NDF:99737.2/11

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1762.576+/-0.422 χ^2/NDF:18843.9/9

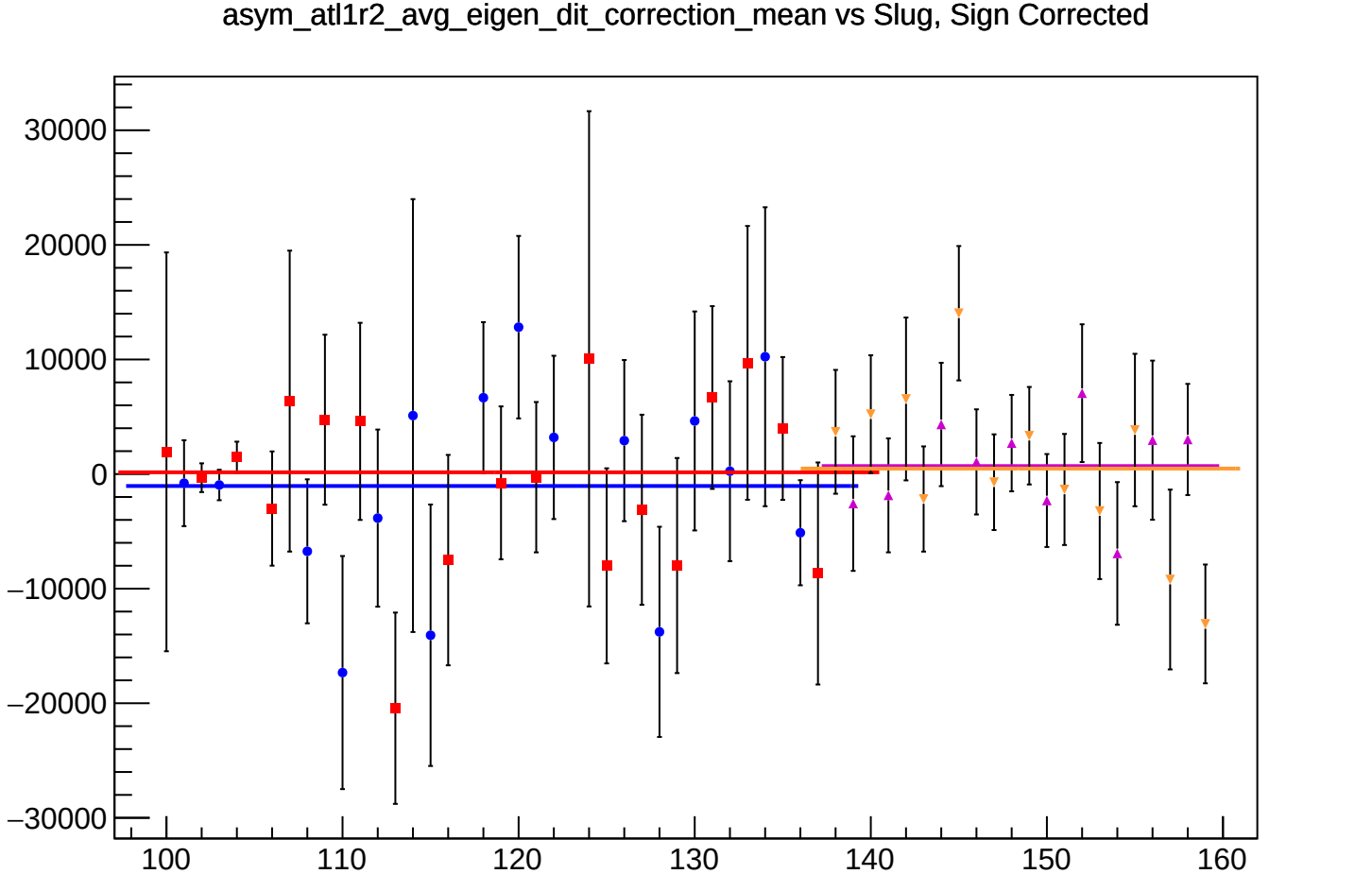
Left: 1743.313+/-0.289 χ^2/NDF: 122495.5/21

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

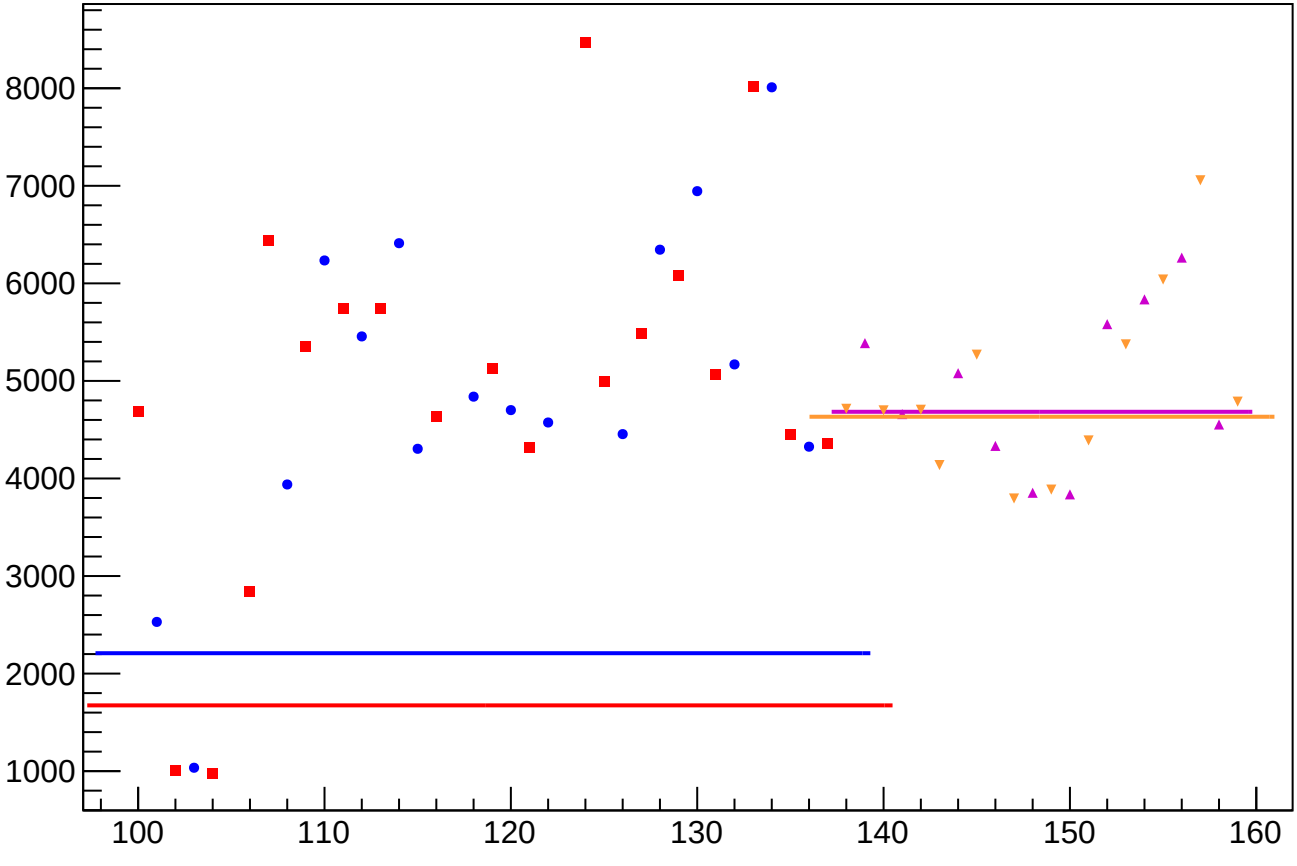
In: 1826.233+/-0.325 χ^2/NDF:290074.4/25

Out: 1801.183+/-0.313 χ^2/NDF:533685.4/30

All: 1813.244+/-0.225 χ^2/NDF: 826846.6/56


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 479.900+/-1528.510 χ²/NDF:17.3/11
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: 696.336+/-1610.683 χ²/NDF:4.8/9
Left: 582.456+/-1108.732 χ²/NDF: 22.1/21
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -508.016+/-892.649 χ²/NDF:19.4/25
Out: 228.697+/-733.230 χ²/NDF:31.1/30
All: -68.112+/-566.591 χ²/NDF: 50.9/56

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4632.752+/-1.081 χ^2/NDF:508208.0/11

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4683.560+/-1.139 χ^2/NDF:434461.9/9

Left: 4656.827+/-0.784 χ^2/NDF: 943717.0/21

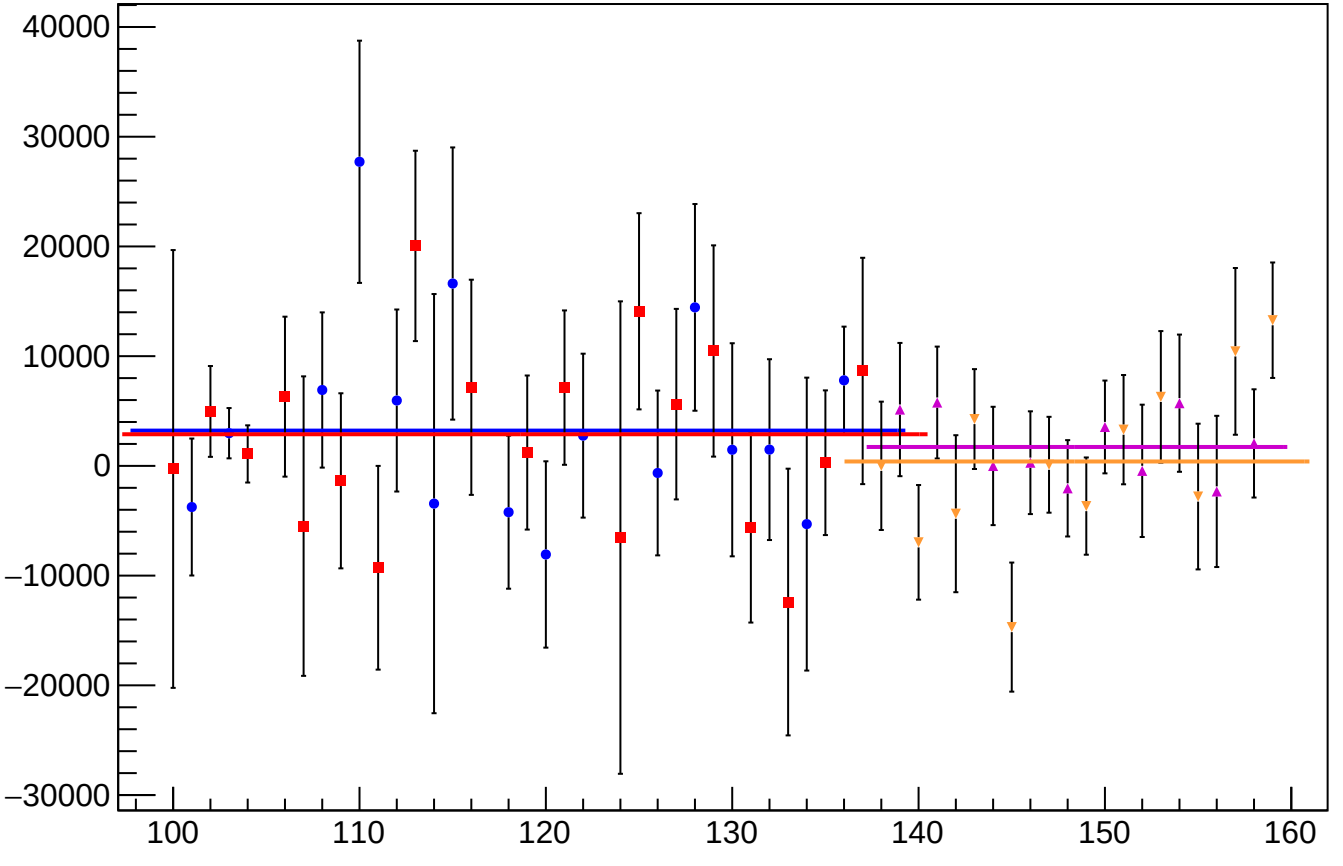
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2968.983+/-0.631 χ^2/NDF:9204464.8/25

Out: 2354.976+/-0.518 χ^2/NDF:13130263.3/30

All: 2602.349+/-0.401 χ^2/NDF: 22899763.5/5

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 402.185+/-1561.347 χ^2/NDF:19.9/11

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1724.303+/-1647.093 χ^2/NDF:3.0/9

Left: 1027.936+/-1133.140 χ^2/NDF: 23.1/21

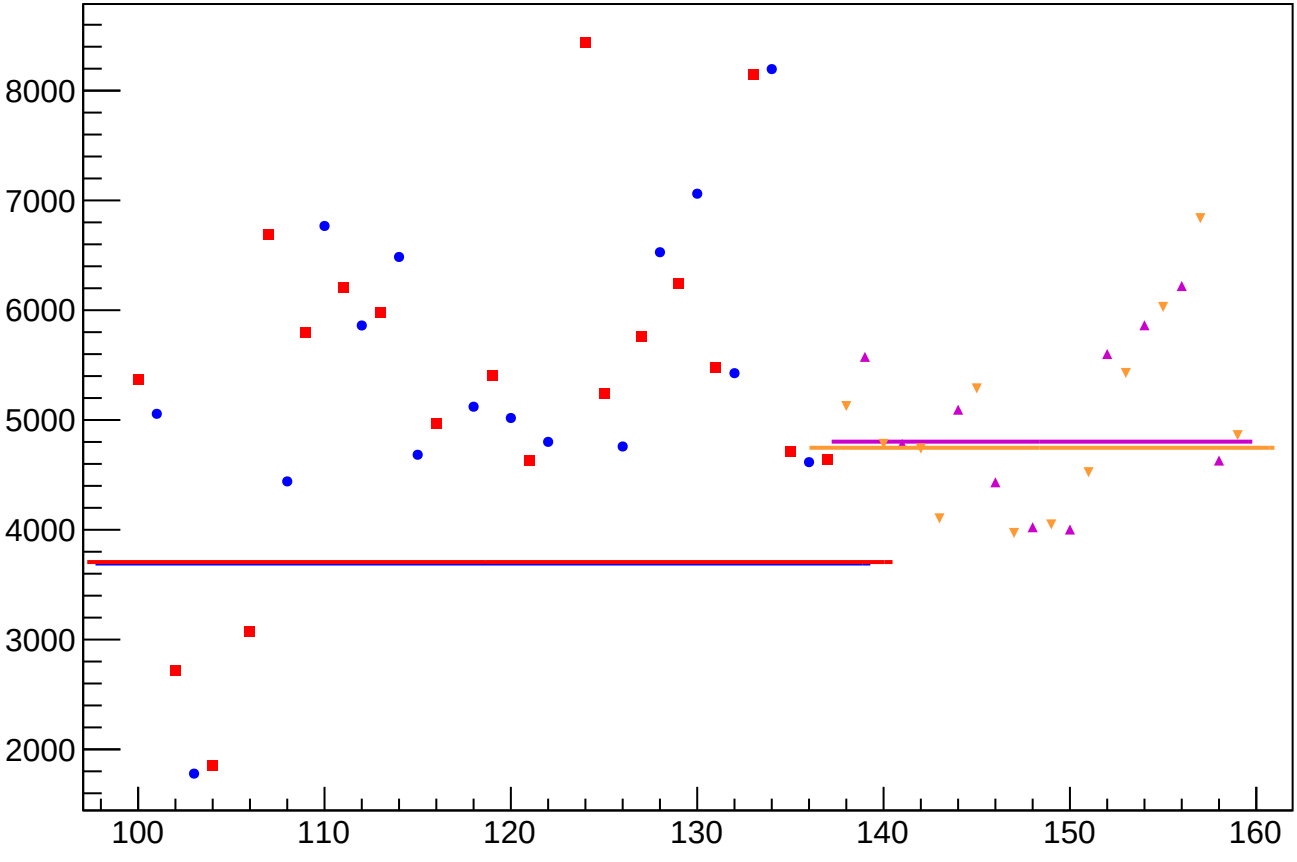
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2520.412+/-1124.612 χ^2/NDF:17.2/25

Out: 1650.151+/-1100.762 χ^2/NDF:34.5/30

All: 2075.956+/-786.653 χ^2/NDF: 52.0/56

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4747.124+/-1.104 χ^2/NDF:435073.5/11

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4802.673+/-1.165 χ^2/NDF:365023.8/9

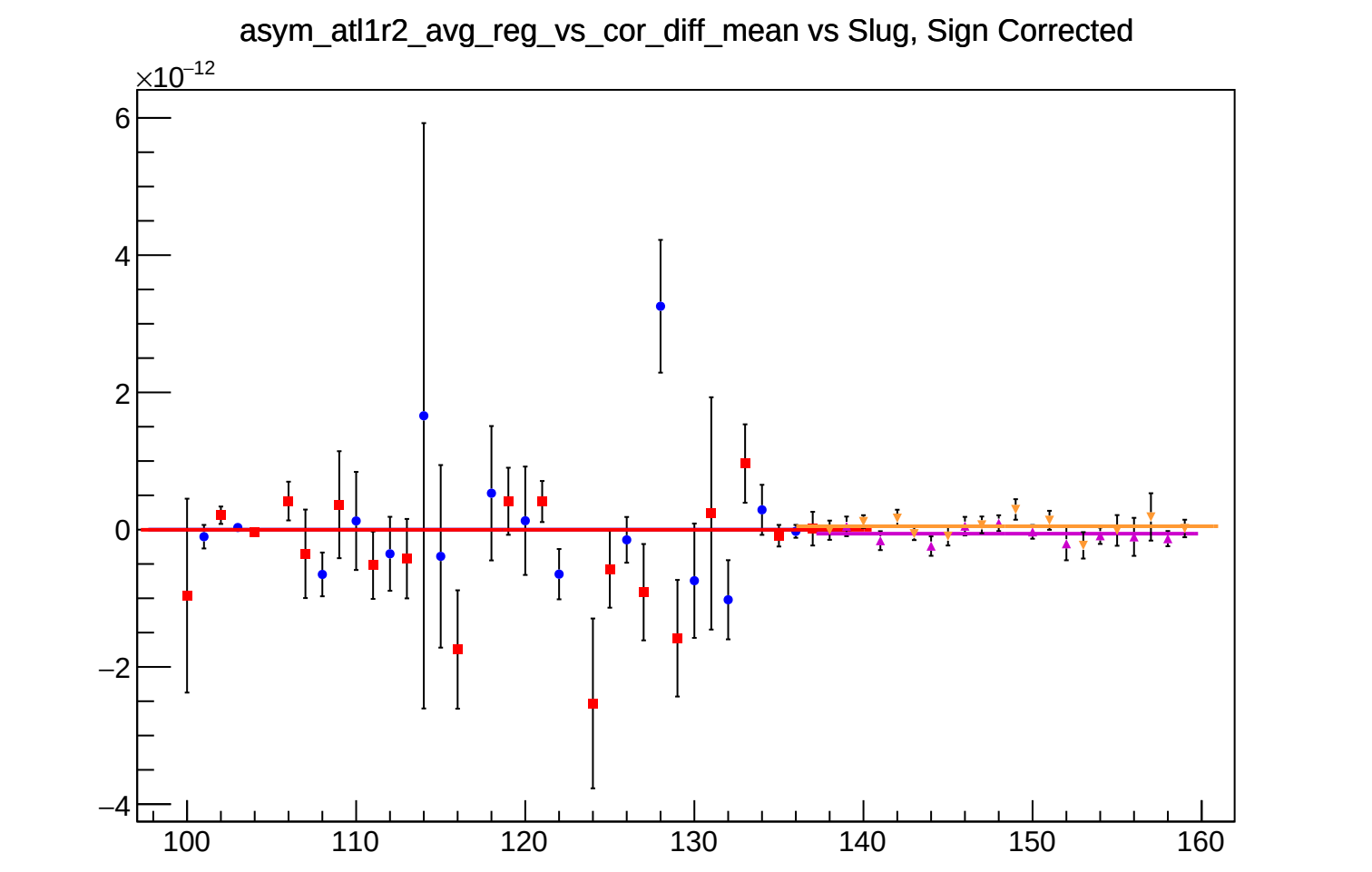
Left: 4773.415+/-0.801 χ^2/NDF: 801295.4/21

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4210.228+/-0.795 χ^2/NDF:3735422.1/25

Out: 4218.296+/-0.774 χ^2/NDF:3571264.0/30

All: 4214.369+/-0.555 χ^2/NDF: 7306738.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

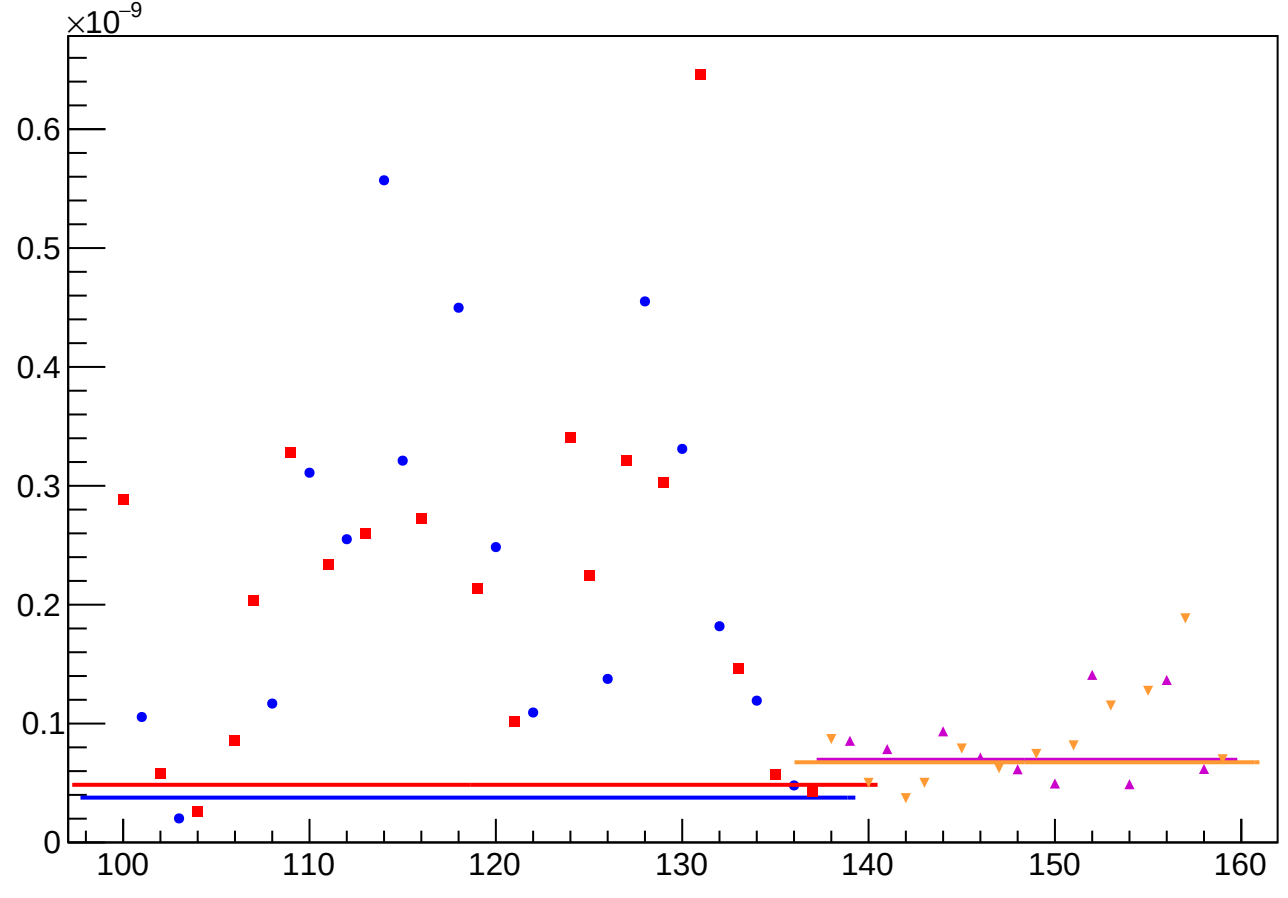
Left: 0.000+/-0.000 χ^2/NDF: 19.3/21

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:38.6/30

All: -0.000+/-0.000 χ^2/NDF: 72.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:856197.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:542206.0/9

Left: 0.000+/-0.000 χ^2/NDF: 1401128.9/21

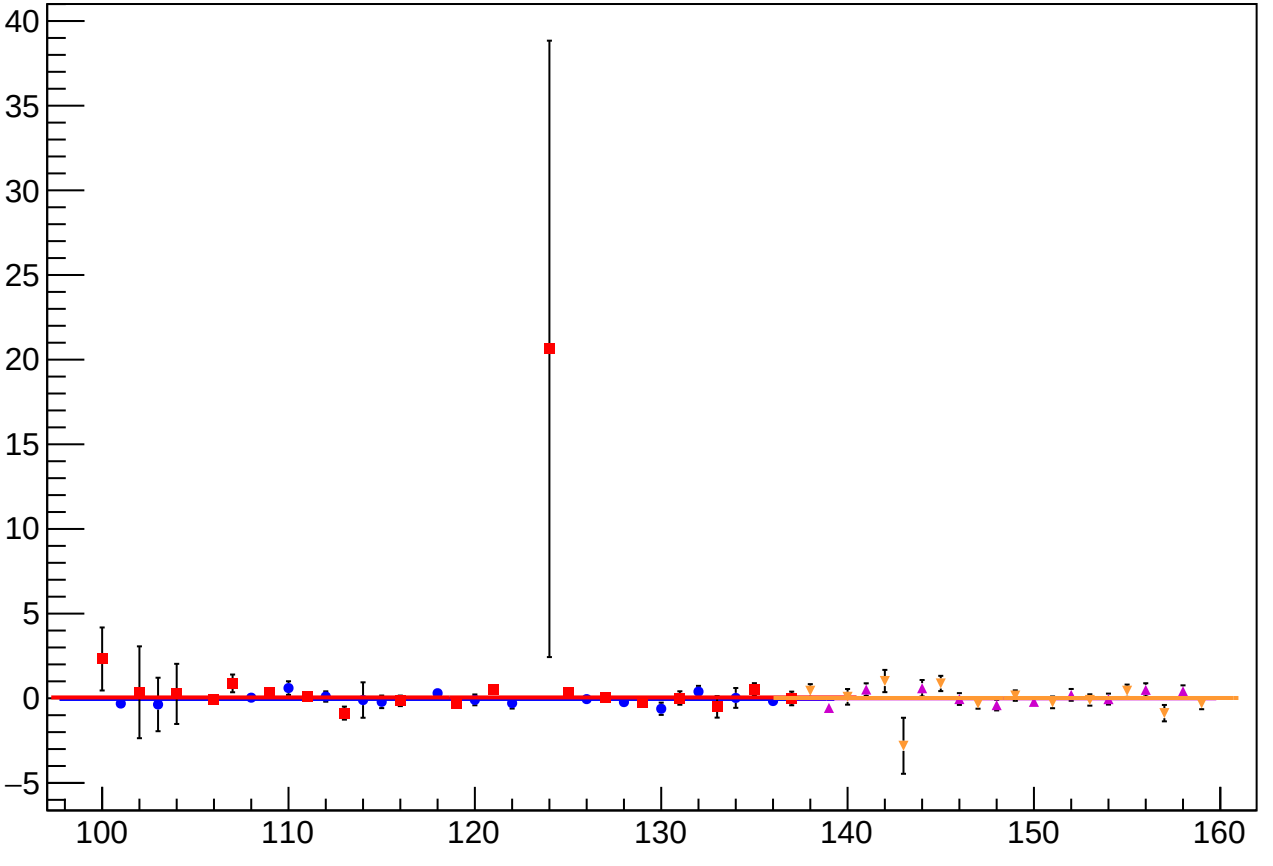
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4338132.2/25

Out: 0.000+/-0.000 χ^2/NDF:3958804.2/30

All: 0.000+/-0.000 χ^2/NDF: 8380594.4/56

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: 0.016+/-0.114 χ^2/NDF:17.8/11

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

Left: 0.005+/-0.078 χ^2/NDF: 31.2/21

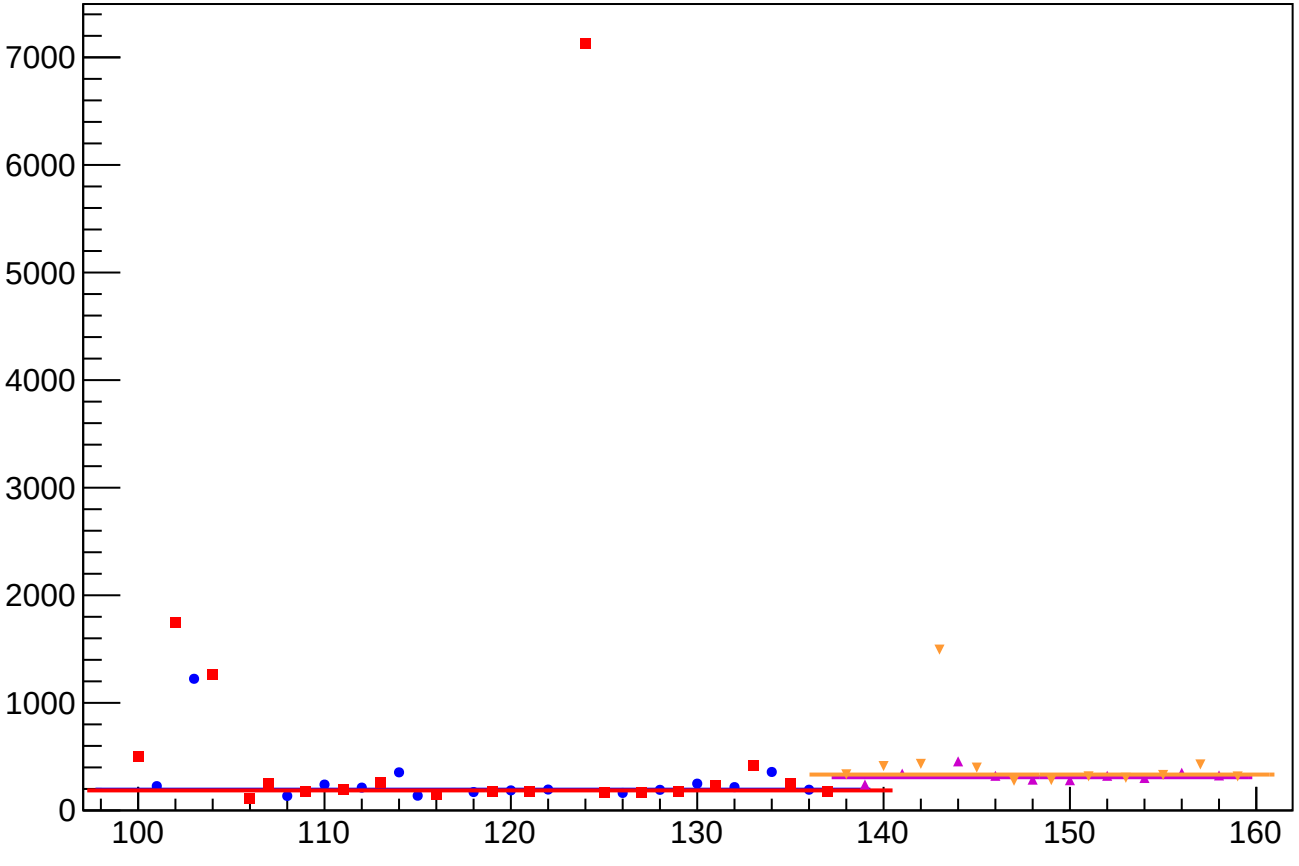
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.004+/-0.045 χ^2/NDF: 66.6/56

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 333.647+/-0.080 χ^2/NDF:1360515.5/11

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

Left: 320.497+/-0.055 χ^2/NDF: 1798511.9/21

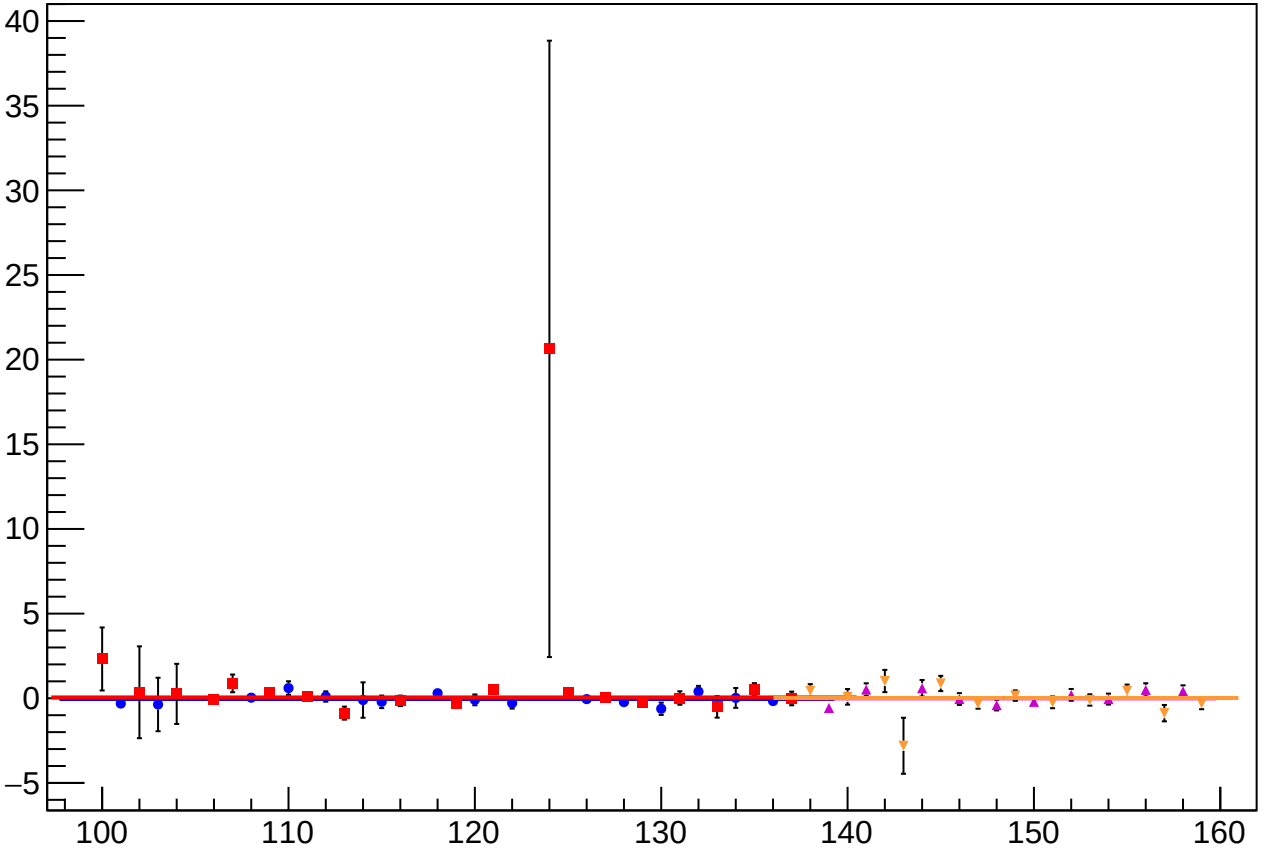
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 233.176+/-0.044 χ^2/NDF:3322399.3/25

Out: 234.213+/-0.046 χ^2/NDF:6109101.6/30

All: 233.680+/-0.032 χ^2/NDF: 9431764.7/56

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: 0.016+/-0.114 χ^2/NDF:17.8/11

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

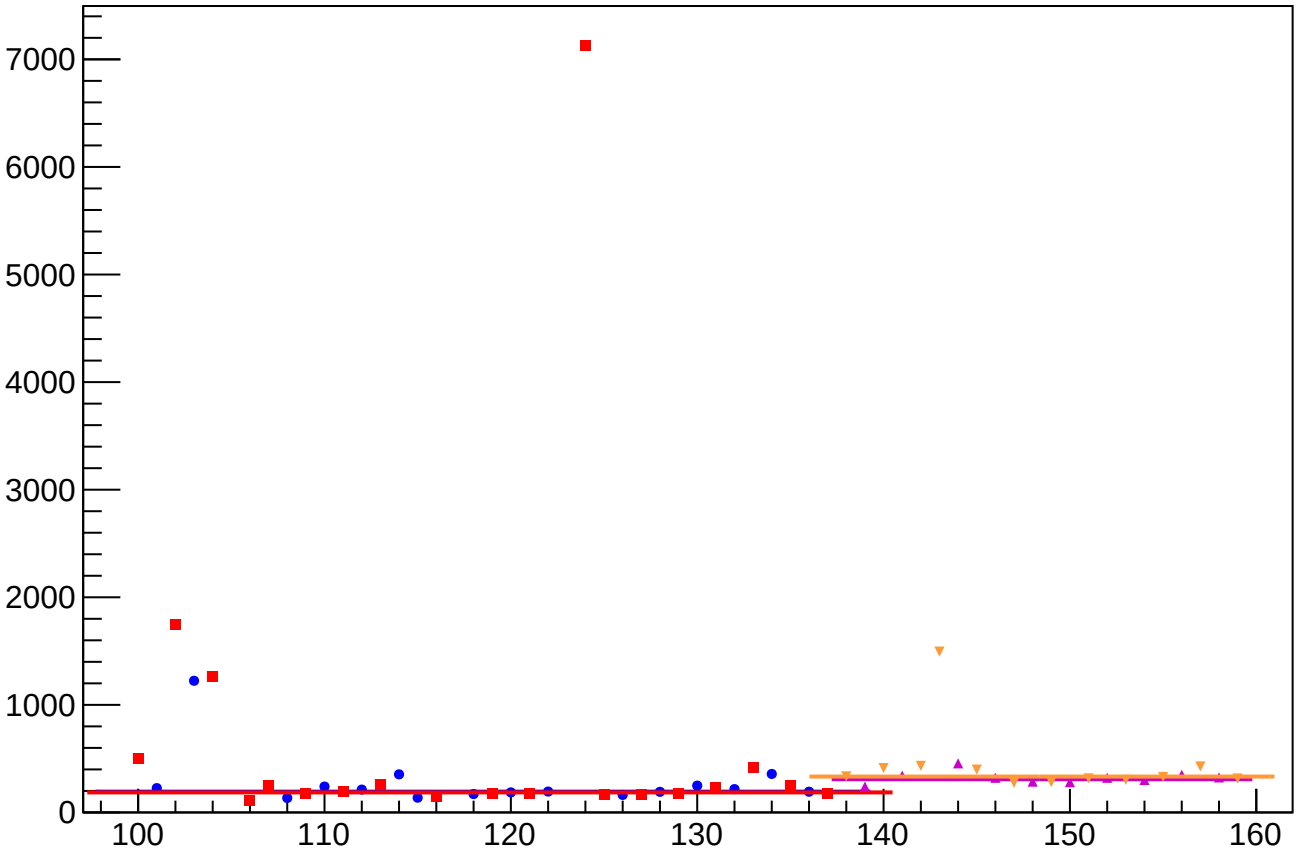
Left: 0.005+/-0.078 χ^2/NDF: 31.2/21

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.004+/-0.045 χ^2/NDF: 66.6/56



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 333.647+/-0.080 χ^2/NDF:1360515.5/11

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

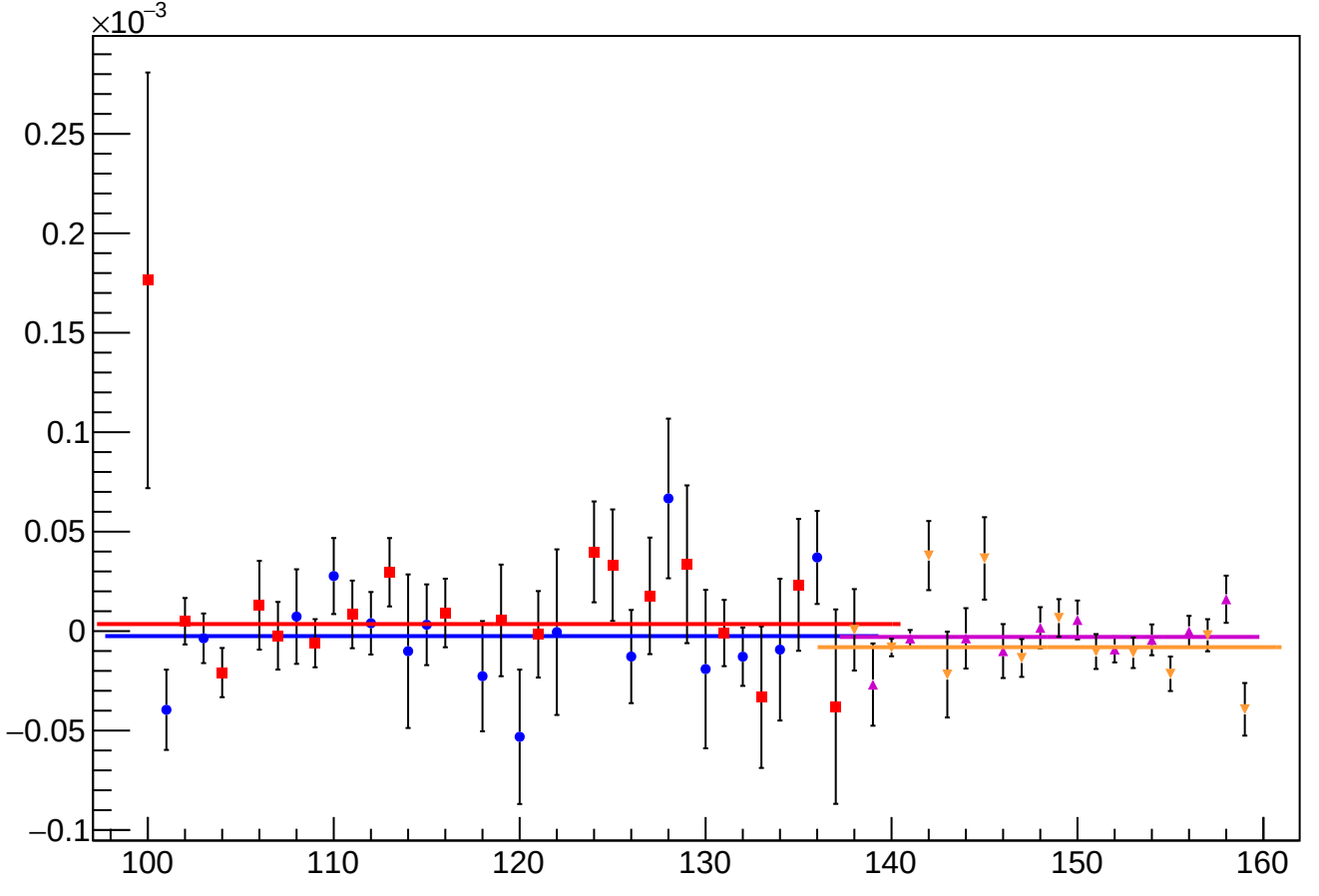
Left: 320.497+/-0.055 χ^2/NDF: 1798511.9/21

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 233.176+/-0.044 χ^2/NDF:3322399.3/25

Out: 234.213+/-0.046 χ^2/NDF:6109101.6/30

All: 233.680+/-0.032 χ^2/NDF: 9431764.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

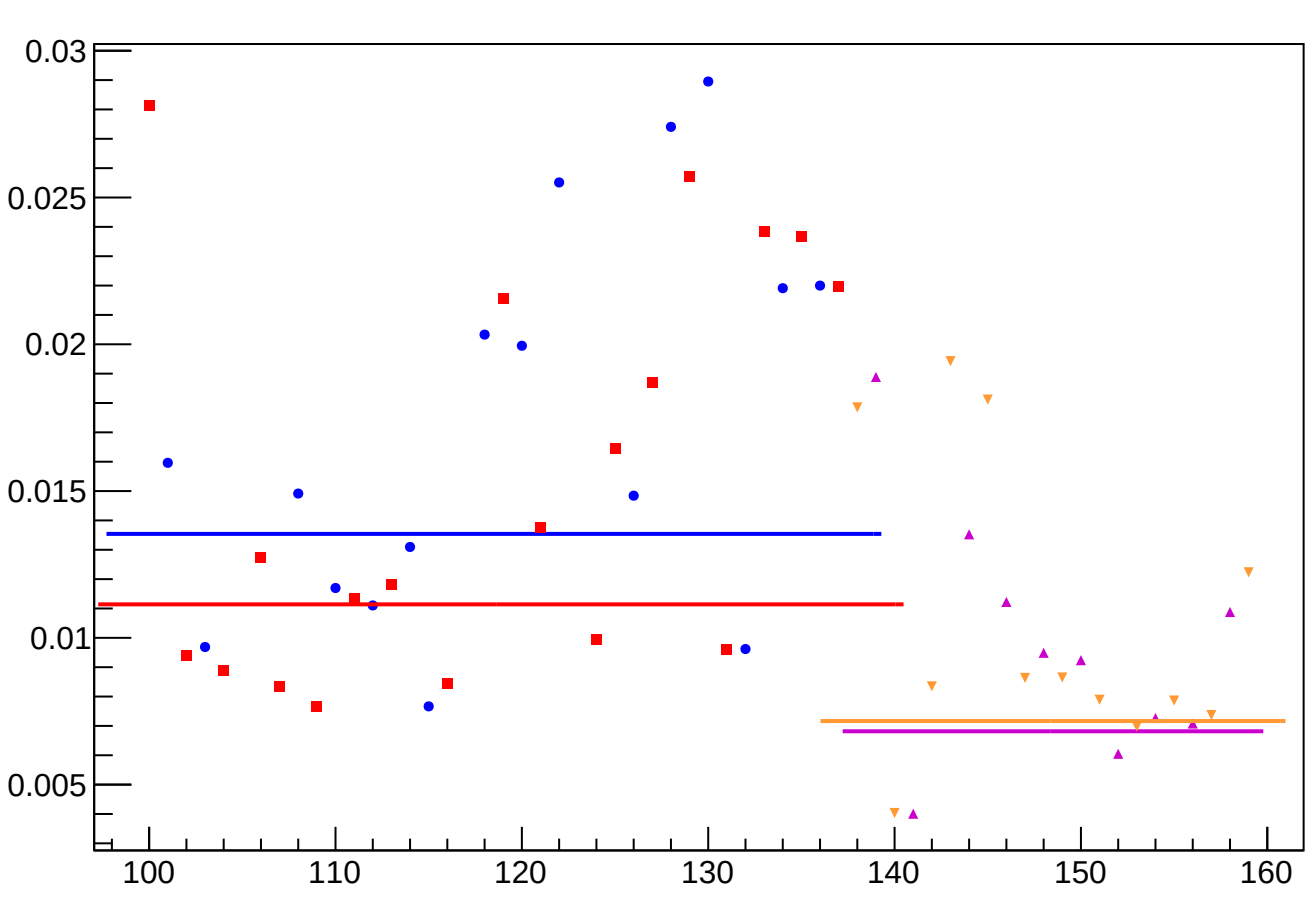
Left: -0.000+/-0.000 χ^2/NDF: 31.9/21

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:22.1/25

Out: -0.000+/-0.000 χ^2/NDF:45.1/30

All: -0.000+/-0.000 χ^2/NDF: 67.7/56



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:3192959.3/11

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2676875.3/9

Left: 0.007+/-0.000 χ^2/NDF: 5888010.7/21

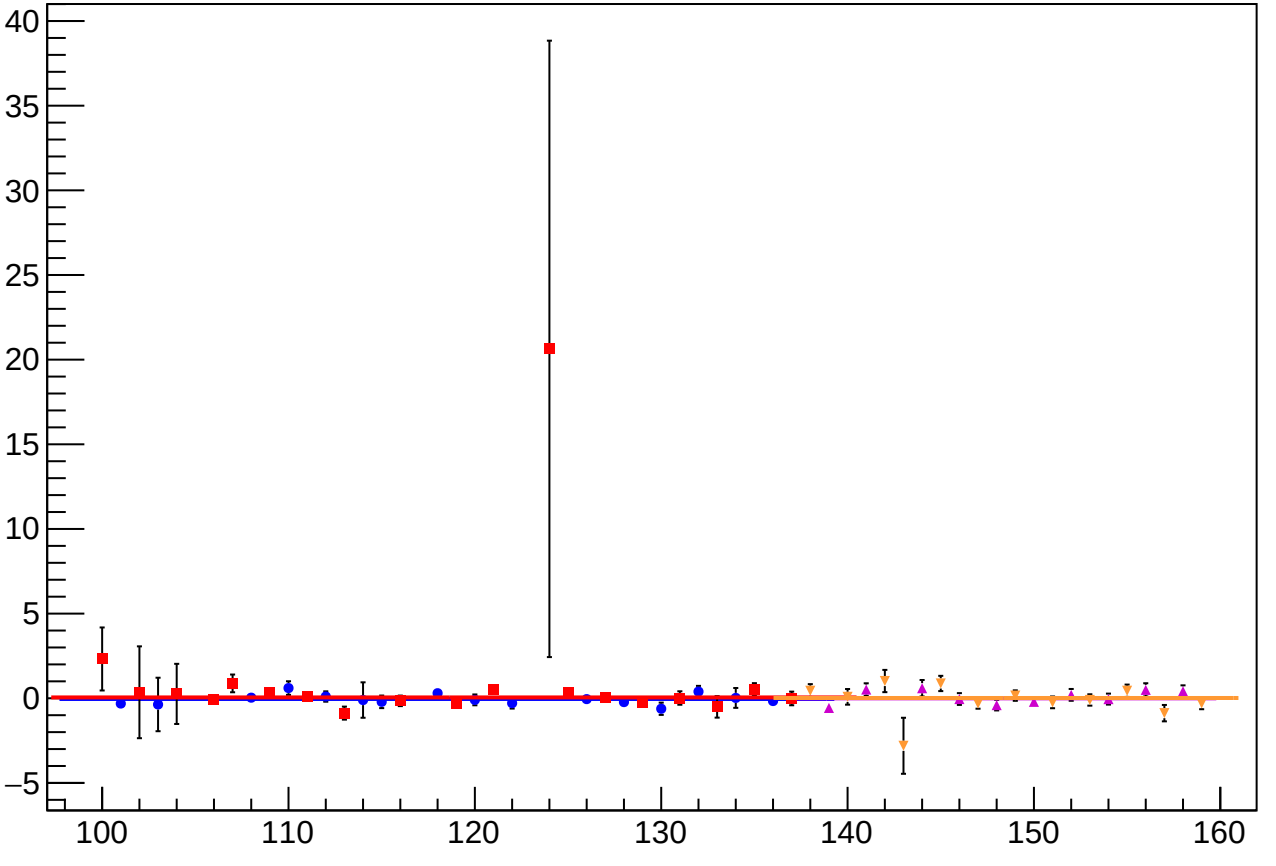
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:7039996.3/25

Out: 0.008+/-0.000 χ^2/NDF:6265880.4/30

All: 0.008+/-0.000 χ^2/NDF: 13308850.5/56

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: 0.016+/-0.114 χ^2/NDF:17.8/11

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

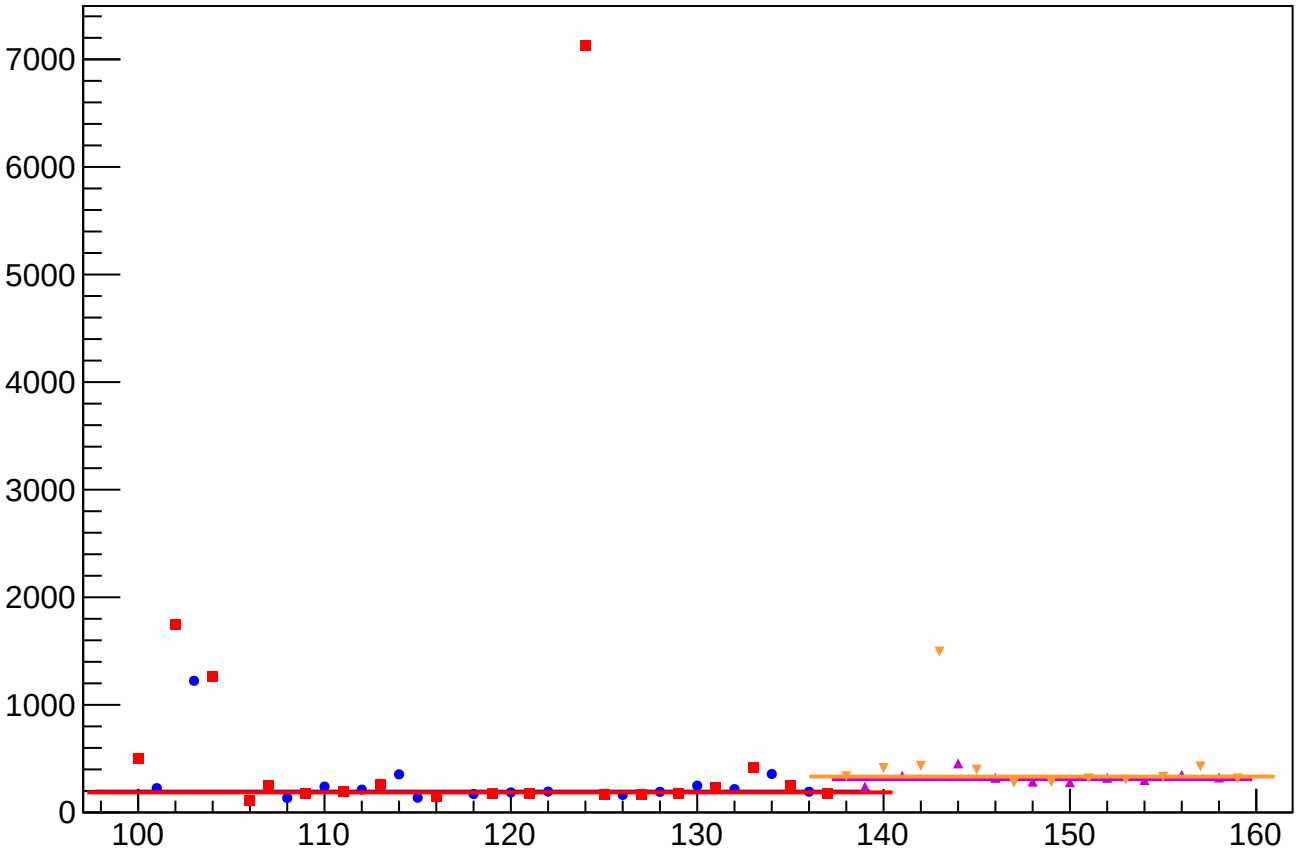
Left: 0.005+/-0.078 χ^2/NDF: 31.2/21

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.004+/-0.045 χ^2/NDF: 66.6/56



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 333.652+/-0.080 χ^2/NDF:1360484.9/11

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

Left: 320.501+/-0.055 χ^2/NDF: 1798457.4/21

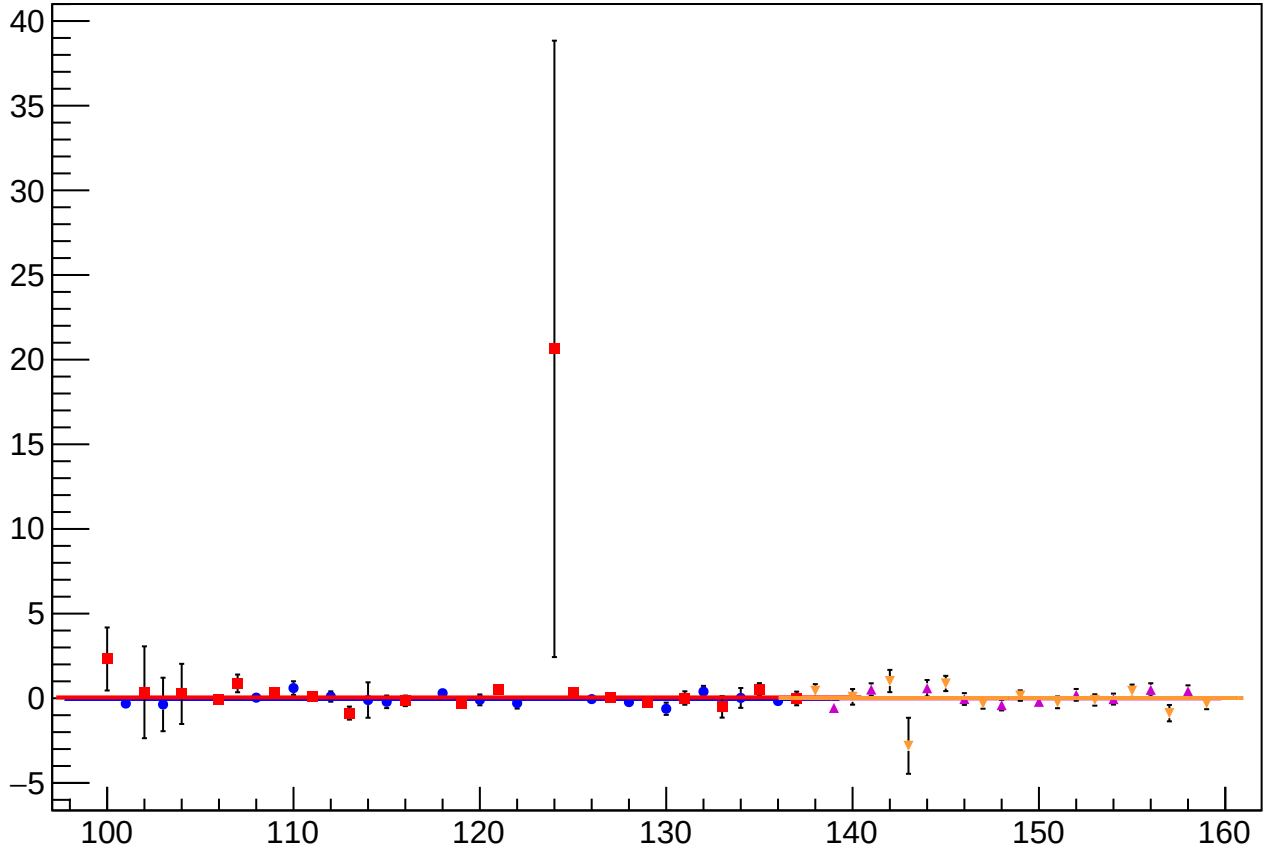
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 233.176+/-0.044 χ^2/NDF:3322503.3/25

Out: 234.212+/-0.046 χ^2/NDF:6109274.4/30

All: 233.679+/-0.032 χ^2/NDF: 9432041.0/56

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: 0.016+/-0.114 χ^2/NDF:17.8/11

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

Left: 0.005+/-0.078 χ^2/NDF: 31.2/21

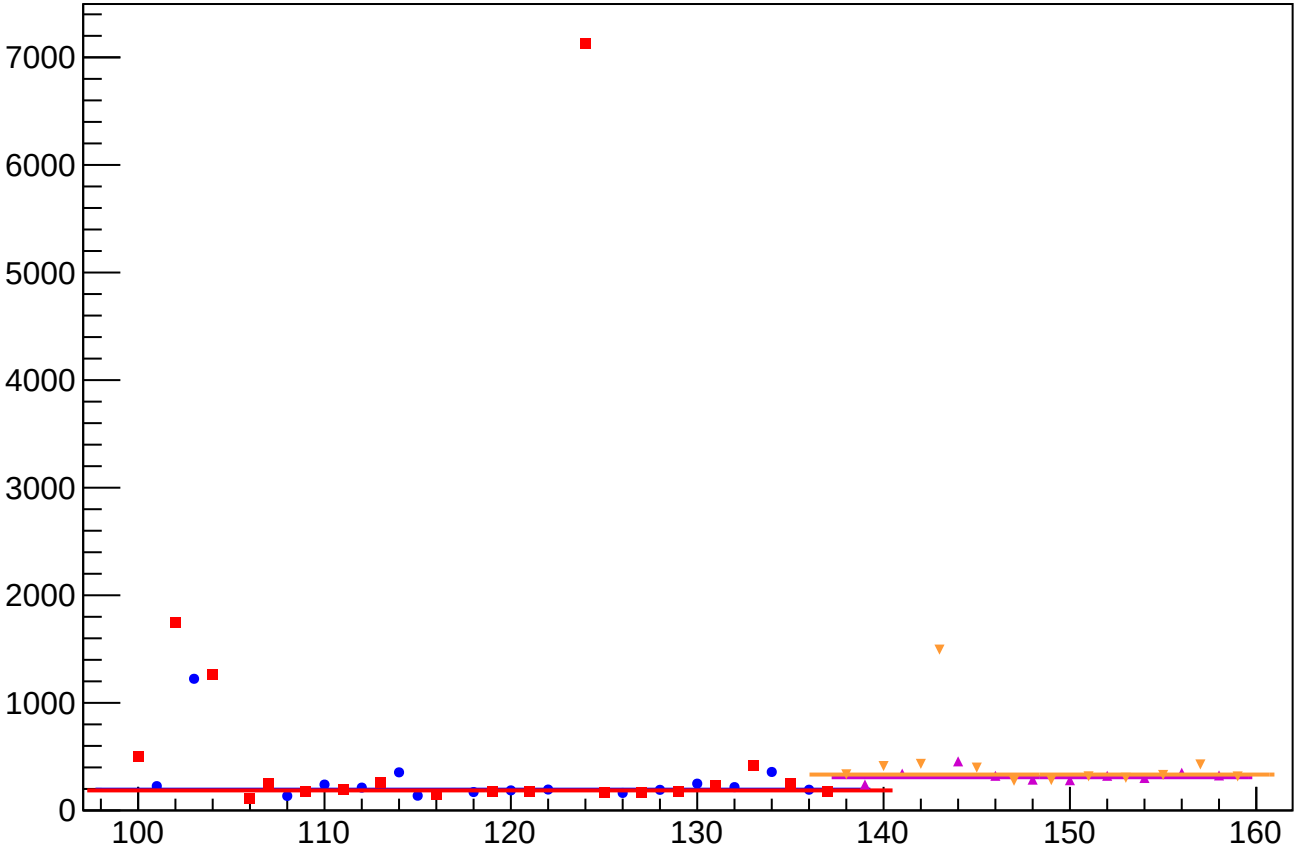
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.004+/-0.045 χ^2/NDF: 66.6/56

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: 333.652+/-0.080 χ^2/NDF:1360484.9/11

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

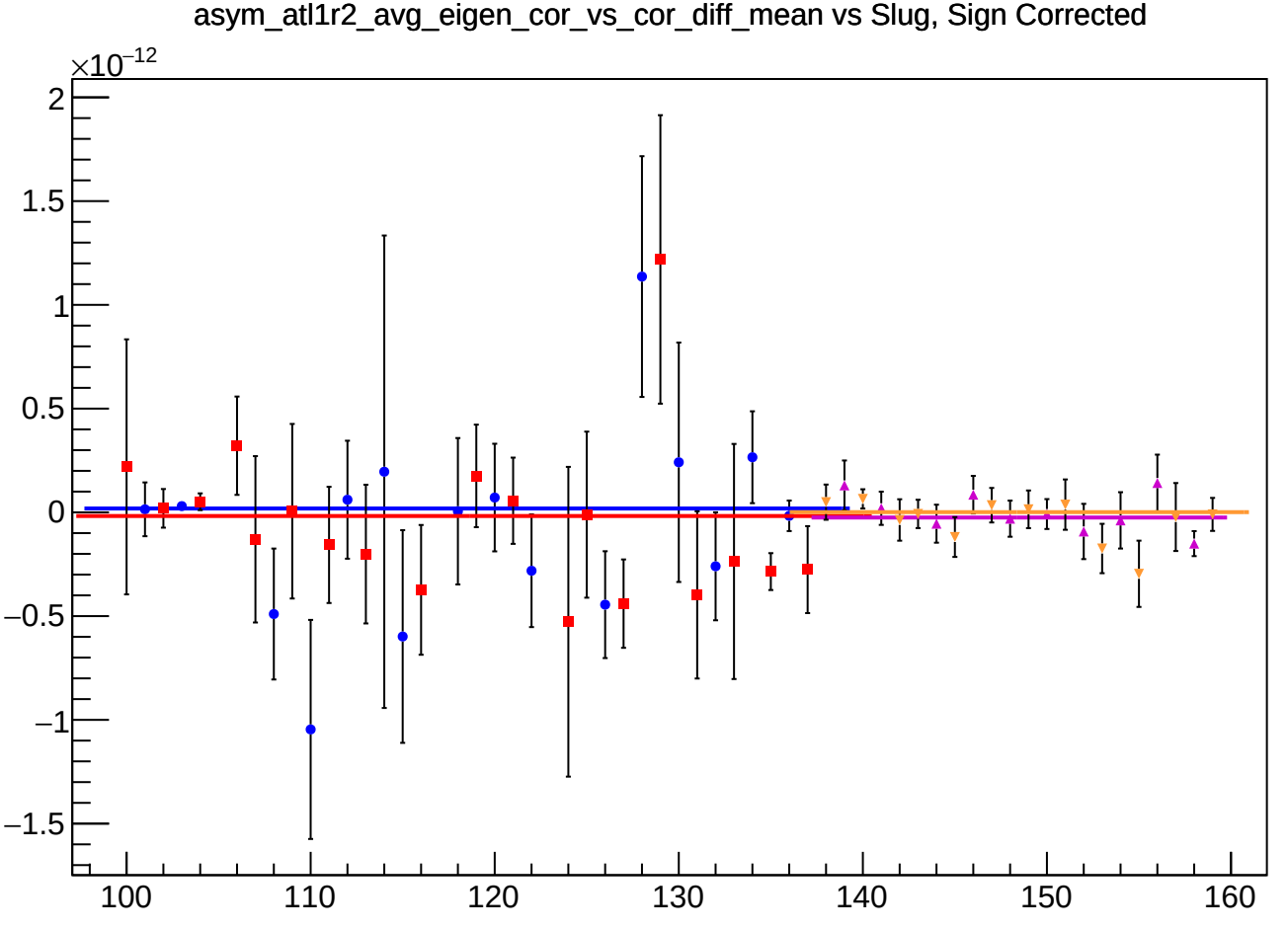
Left: 320.501+/-0.055 χ^2/NDF: 1798457.4/21

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 233.176+/-0.044 χ^2/NDF:3322503.3/25

Out: 234.212+/-0.046 χ^2/NDF:6109274.4/30

All: 233.679+/-0.032 χ^2/NDF: 9432041.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/9

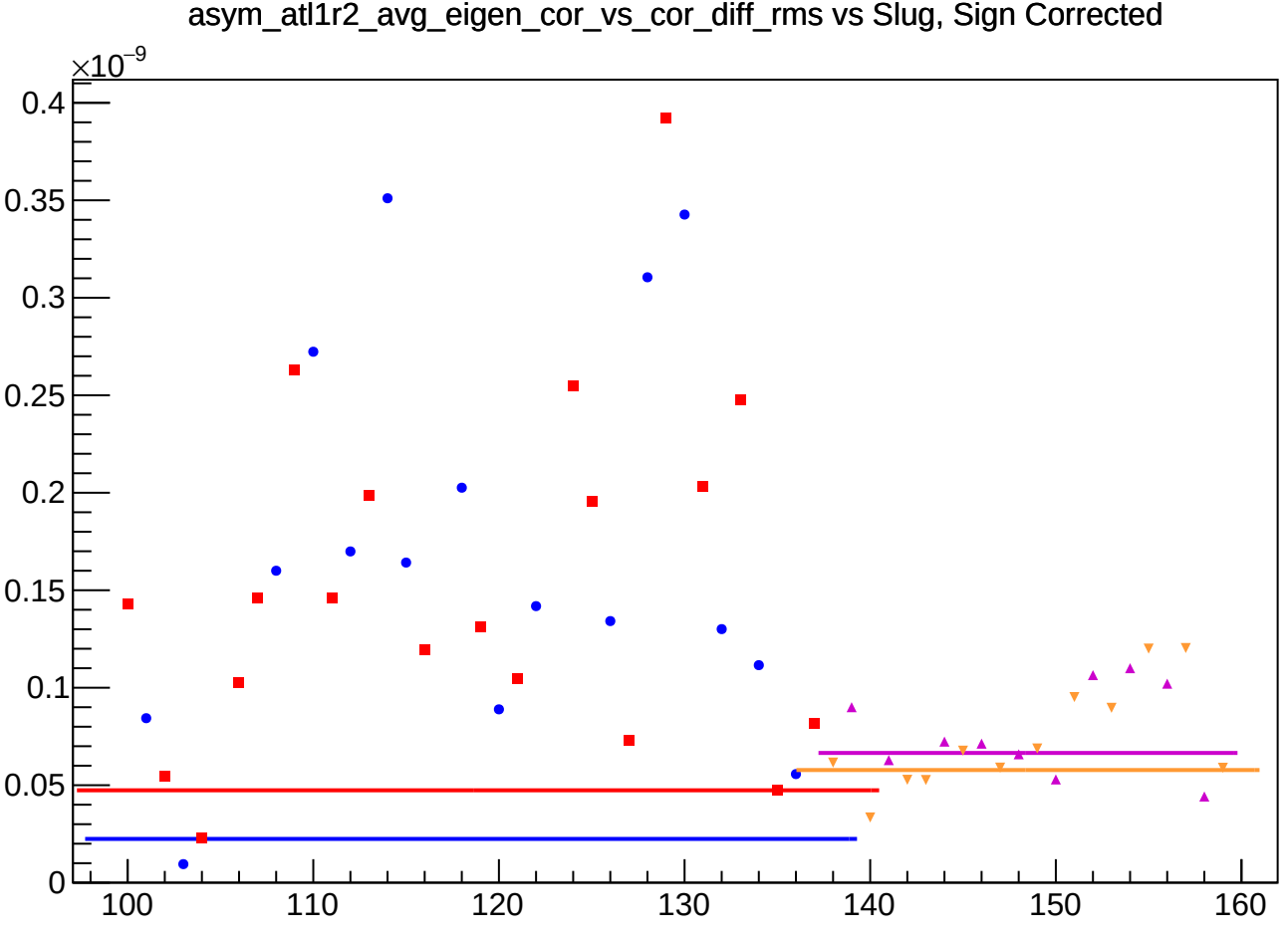
Left: -0.000+/-0.000 χ^2/NDF: 20.1/21

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/25

Out: -0.000+/-0.000 χ^2/NDF:37.2/30

All: -0.000+/-0.000 χ^2/NDF: 68.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1552533.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:960551.9/9

Left: 0.000+/-0.000 χ^2/NDF: 2621852.2/21

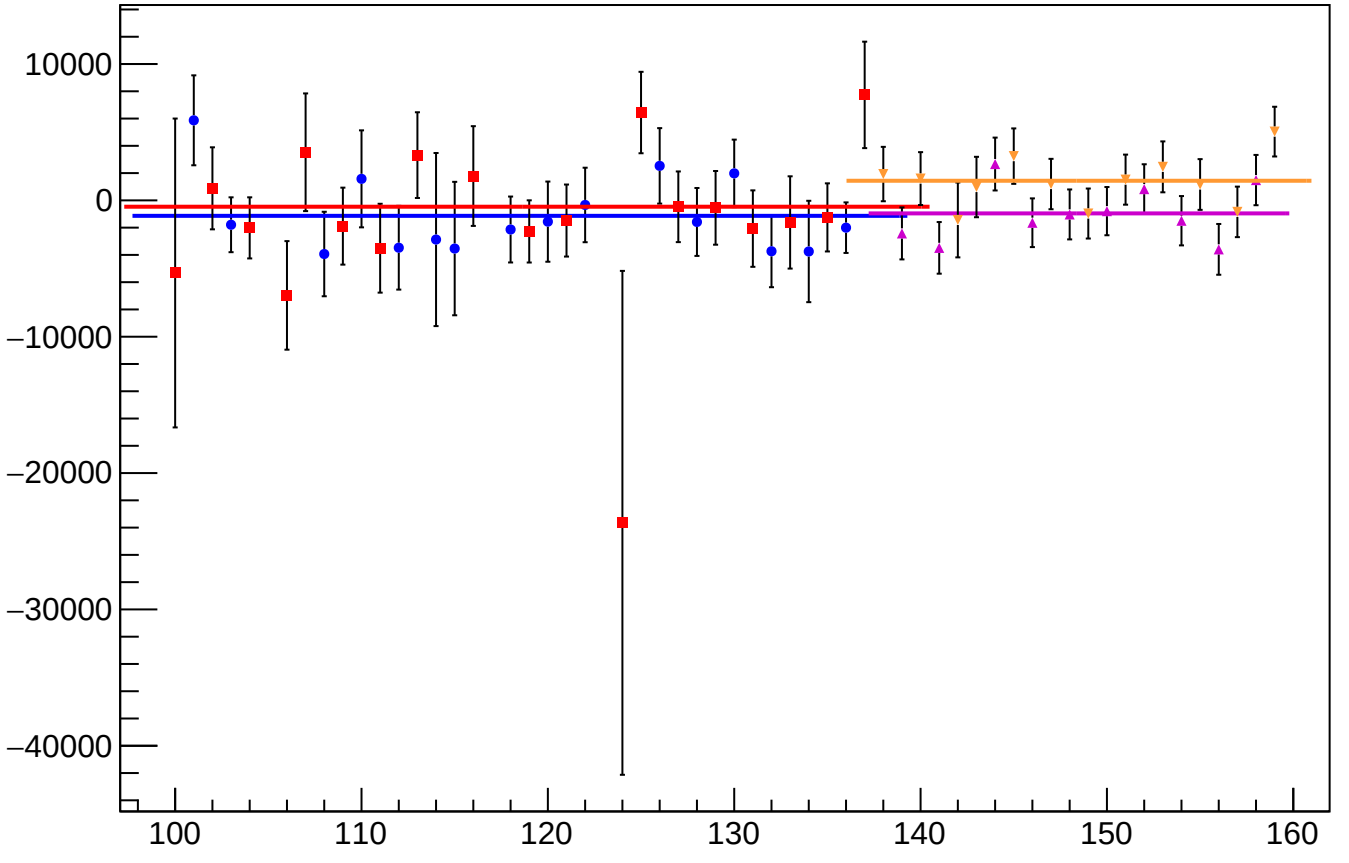
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:10514686.1/25

Out: 0.000+/-0.000 χ^2/NDF:5925619.1/30

All: 0.000+/-0.000 χ^2/NDF: 17251531.5/56

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1437.936+/-563.354 χ^2/NDF:9.5/11

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -955.302+/-583.152 χ^2/NDF:10.8/9

Left: 282.632+/-405.170 χ^2/NDF: 29.0/21

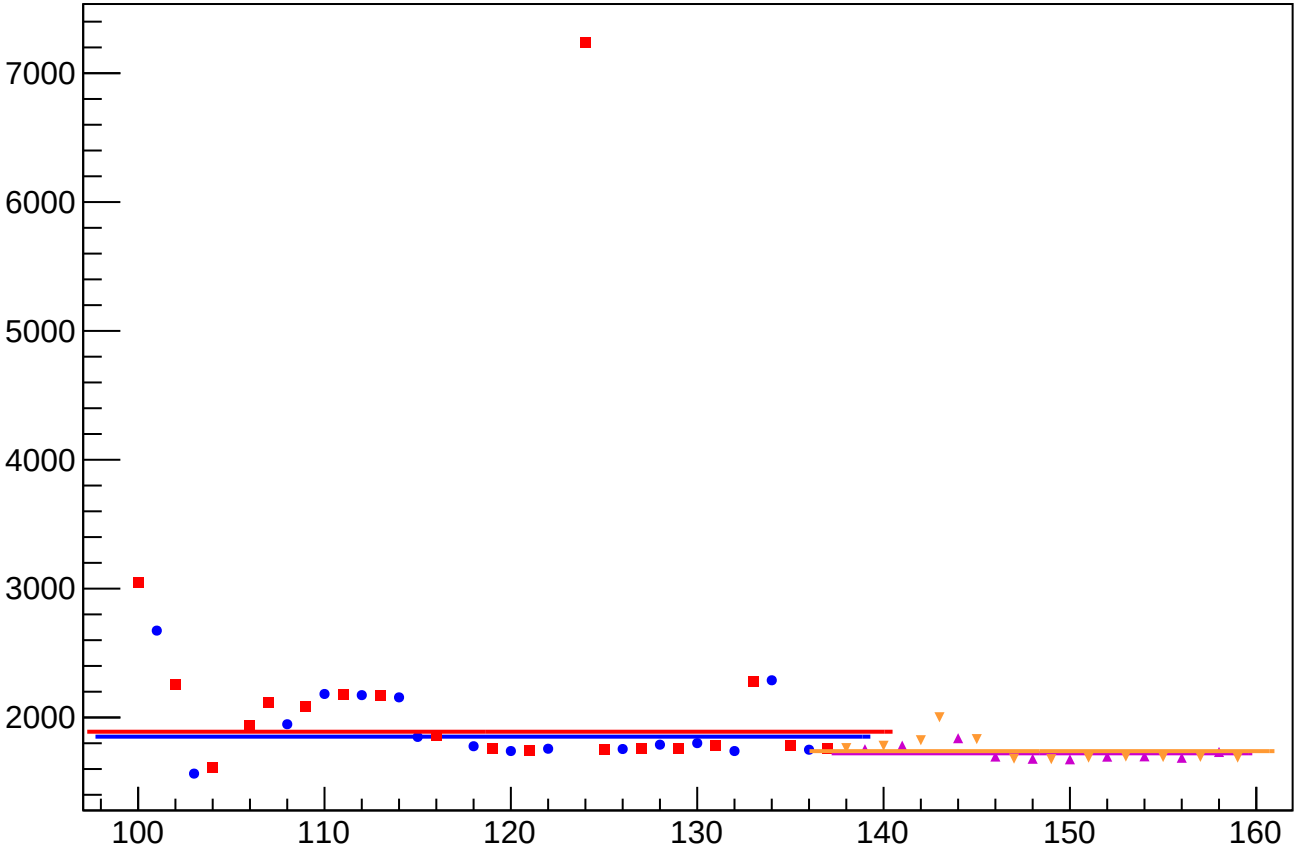
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1029.545+/-446.403 χ^2/NDF:23.1/25

Out: 697.351+/-440.327 χ^2/NDF:33.9/30

All: -154.264+/-313.484 χ^2/NDF: 64.6/56

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1738.753+/-0.398 χ^2/NDF:46214.3/11

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

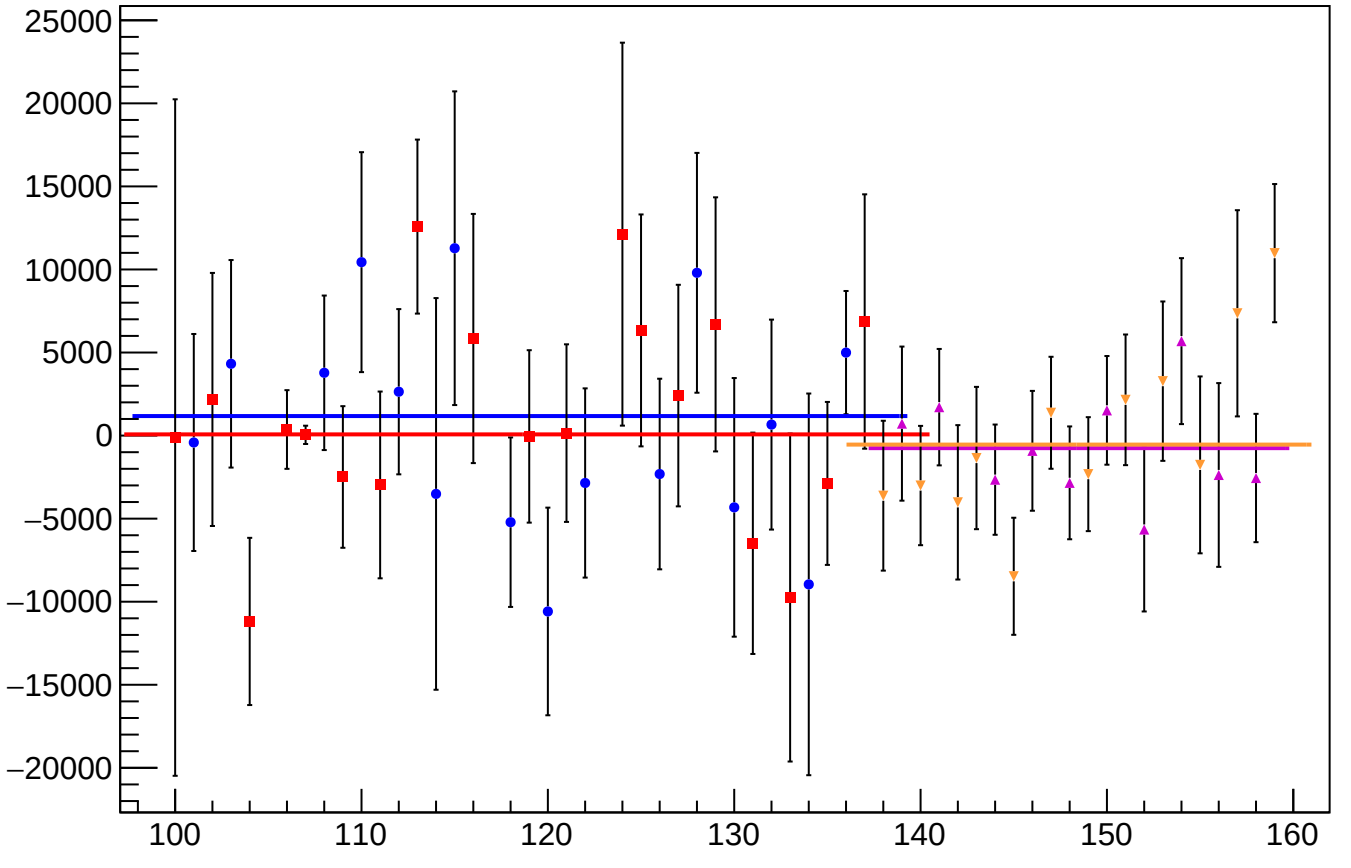
Left: 1730.579+/-0.286 χ^2/NDF: 61290.2/21

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1775.356+/-0.316 χ^2/NDF:314898.7/25

Out: 1797.582+/-0.311 χ^2/NDF:461013.5/30

All: 1786.631+/-0.222 χ^2/NDF: 778427.4/56



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -542.376+/-1188.266 χ^2/NDF:17.6/11

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -756.277+/-1234.082 χ^2/NDF:4.7/9

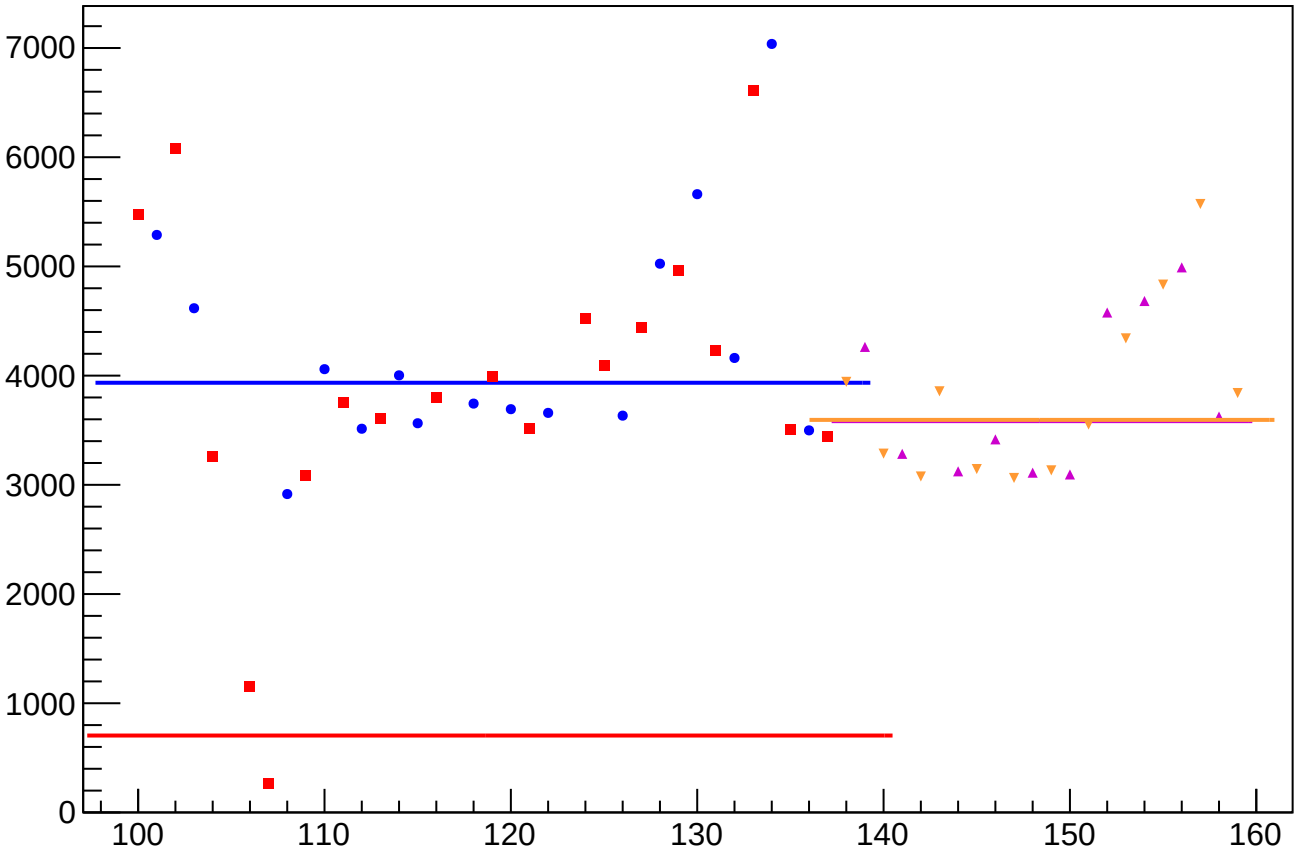
Left: -645.282+/-855.970 χ^2/NDF: 22.4/21

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 22.141+/-953.548 χ^2/NDF:19.5/25

Out: -21.632+/-465.309 χ^2/NDF:35.8/30

All: -13.213+/-418.177 χ^2/NDF: 55.2/56



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3594.690+/-0.840 χ^2/NDF:544670.4/11

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3583.245+/-0.873 χ^2/NDF:491518.0/9

Left: 3589.184+/-0.605 χ^2/NDF: 1036277.7/21

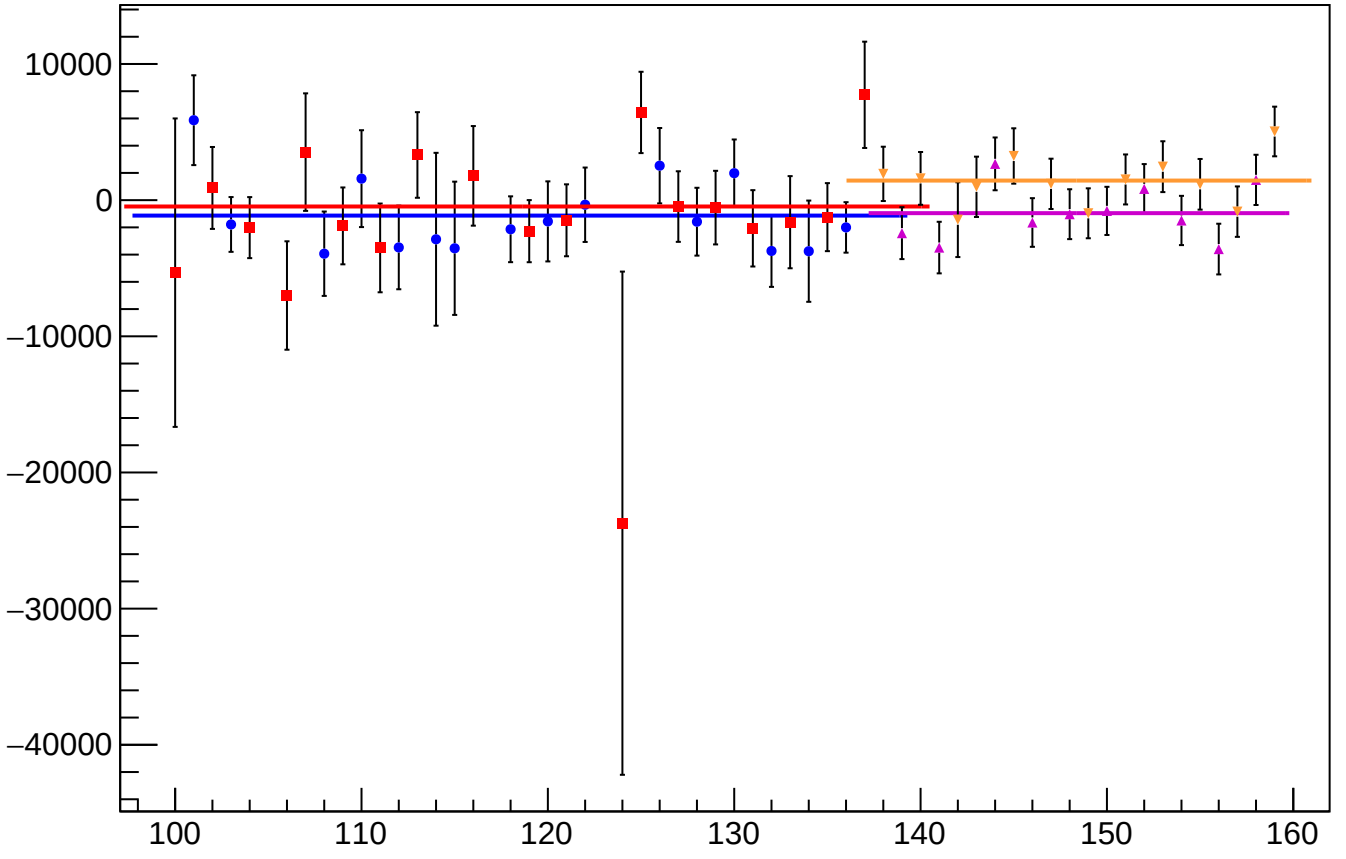
Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3724.878+/-0.674 χ^2/NDF:1117016.5/25

Out: 1147.585+/-0.329 χ^2/NDF:21181727.6/30

All: 1643.261+/-0.296 χ^2/NDF: 34099476.7/5

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1438.011+/-563.354 χ^2/NDF:9.5/11

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -955.261+/-583.152 χ^2/NDF:10.8/9

Left: 282.691+/-405.170 χ^2/NDF: 29.0/21

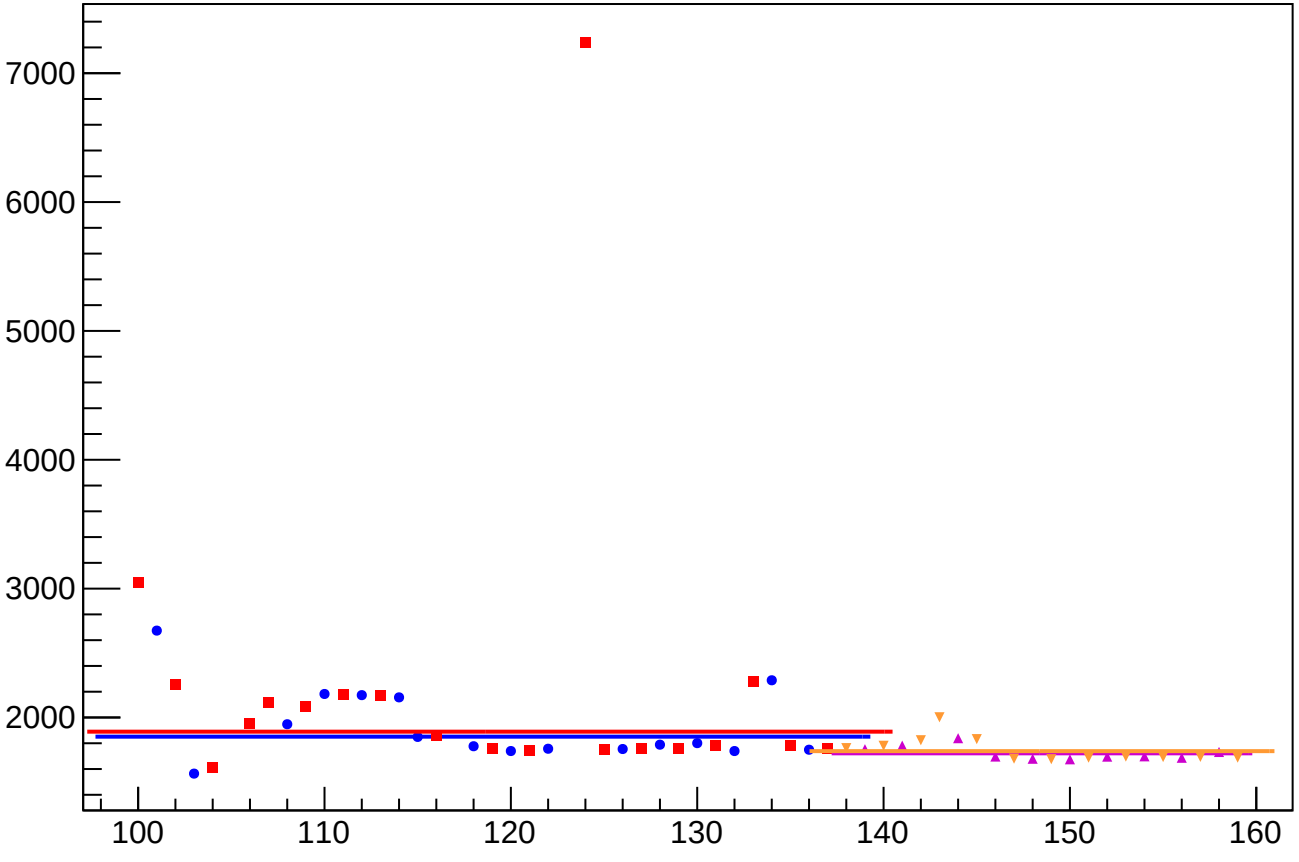
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1029.344+/-446.403 χ^2/NDF:23.1/25

Out: 697.251+/-440.327 χ^2/NDF:34.0/30

All: -154.216+/-313.485 χ^2/NDF: 64.7/56

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1738.753+/-0.398 χ^2/NDF:46214.3/11

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

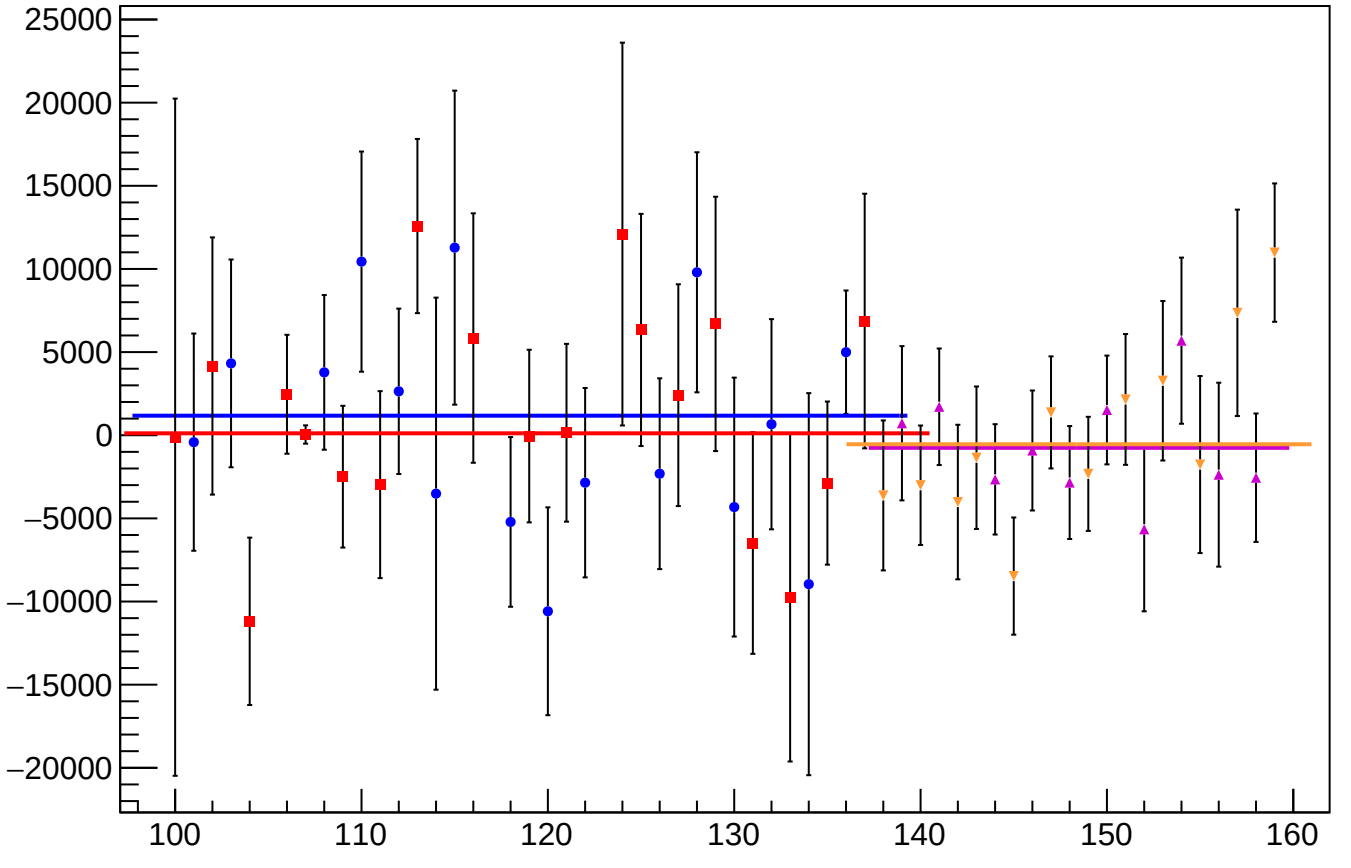
Left: 1730.579+/-0.286 χ^2/NDF: 61290.2/21

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1775.356+/-0.316 χ^2/NDF:314898.1/25

Out: 1797.744+/-0.311 χ^2/NDF:461558.0/30

All: 1786.713+/-0.222 χ^2/NDF: 779007.9/56



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -542.397+/-1188.263 χ^2/NDF:17.6/11

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -756.322+/-1234.083 χ^2/NDF:4.7/9

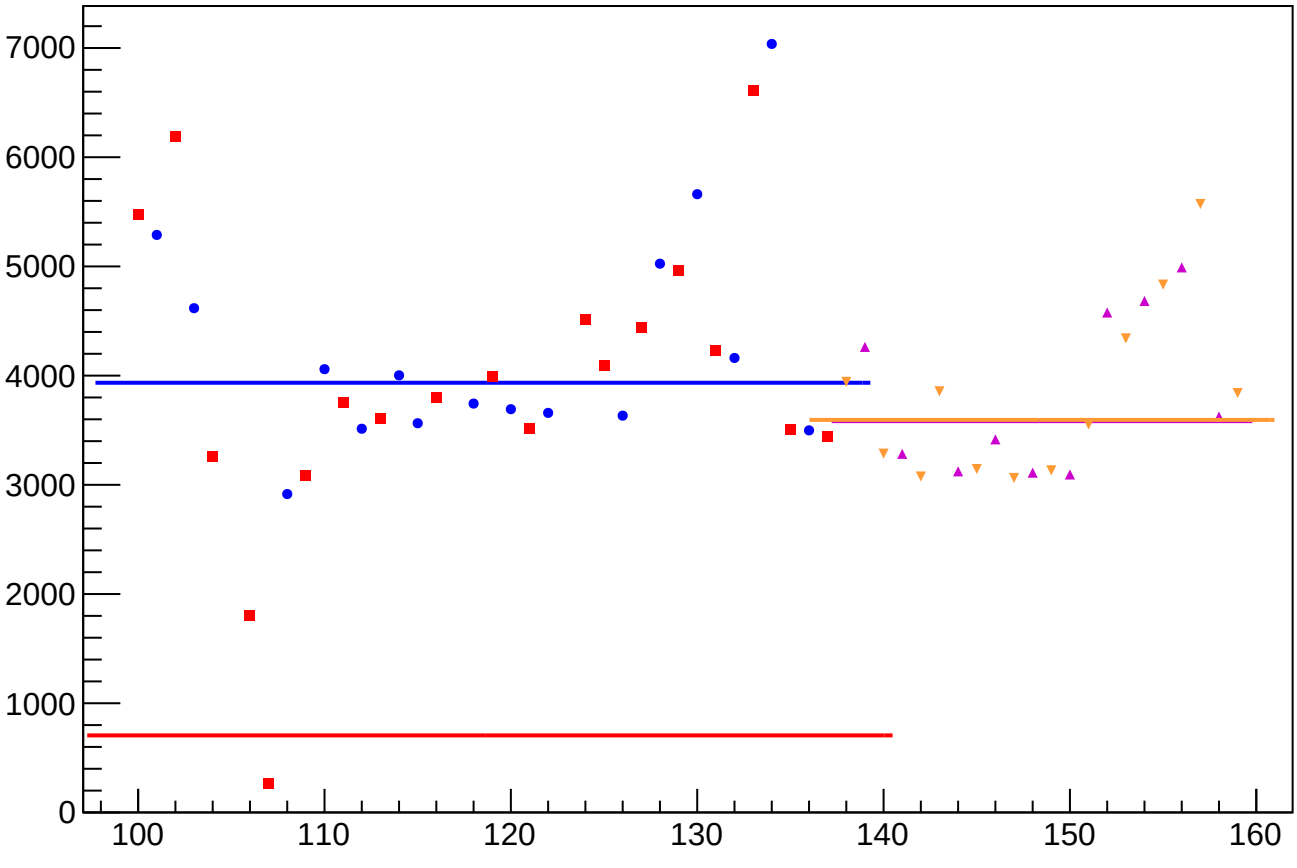
Left: -645.314+/-855.969 χ^2/NDF: 22.4/21

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 22.101+/-953.550 χ^2/NDF:19.5/25

Out: 12.735+/-470.432 χ^2/NDF:36.5/30

All: 14.569+/-421.884 χ^2/NDF: 55.9/56



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3594.679+/-0.840 χ^2/NDF:544675.1/11

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

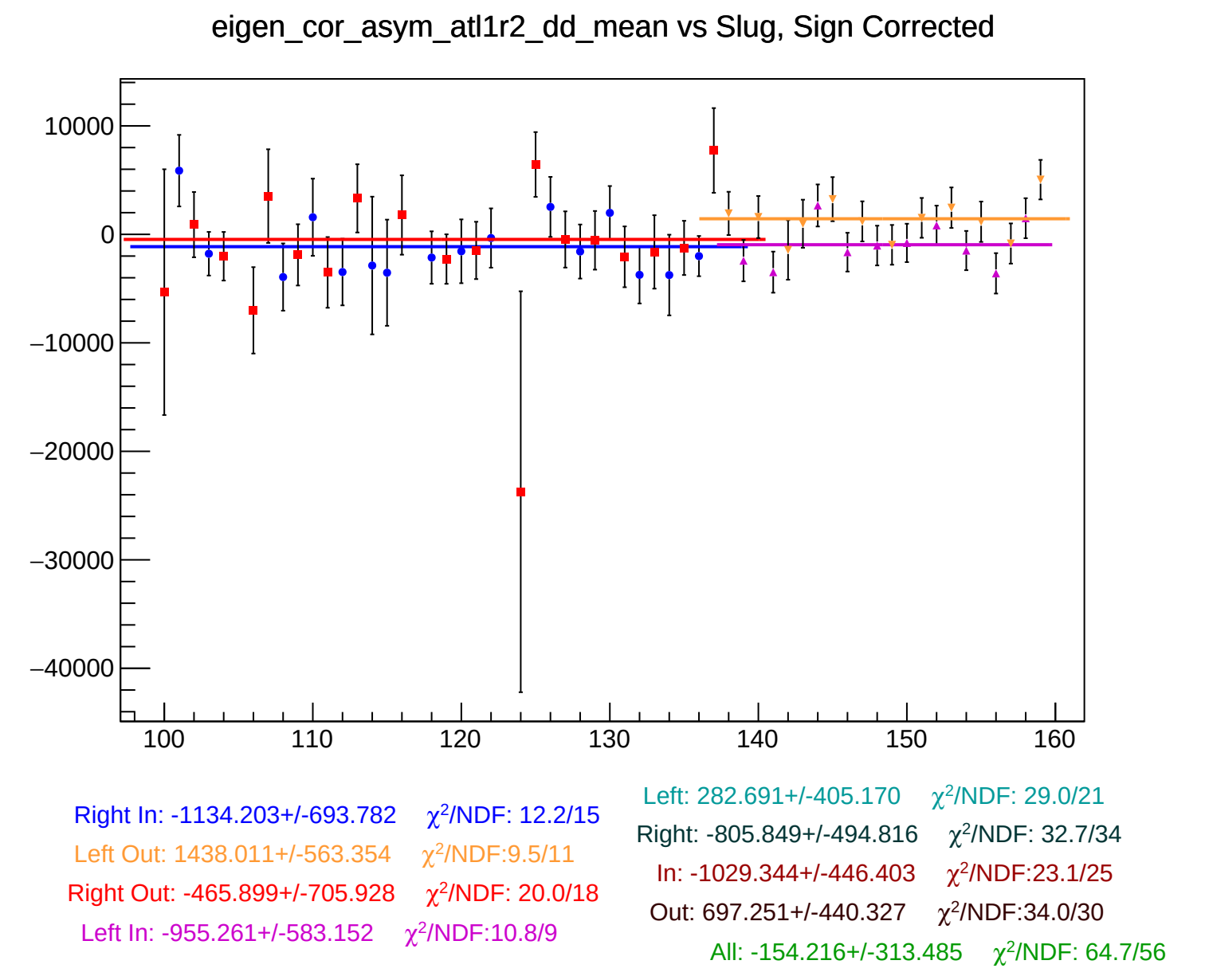
Left: 3589.179+/-0.605 χ^2/NDF: 1036274.7/21

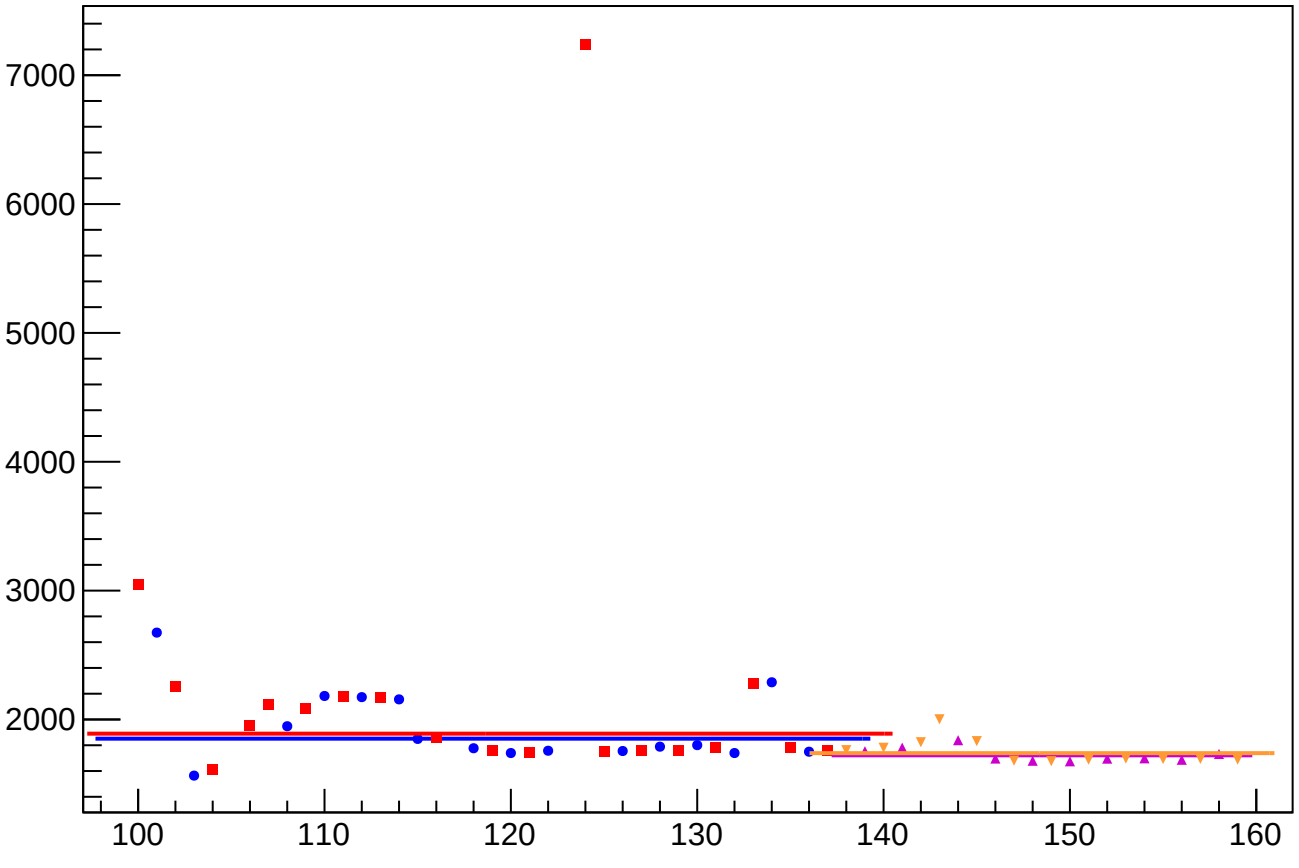
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3724.882+/-0.674 χ^2/NDF:1117035.5/25

Out: 1158.440+/-0.333 χ^2/NDF:21261567.3/30

All: 1660.817+/-0.298 χ^2/NDF: 34030532.1/5


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1438.011+/-563.354 χ²/NDF:9.5/11
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -955.261+/-583.152 χ²/NDF:10.8/9
Left: 282.691+/-405.170 χ²/NDF: 29.0/21
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1029.344+/-446.403 χ²/NDF:23.1/25
Out: 697.251+/-440.327 χ²/NDF:34.0/30
All: -154.216+/-313.485 χ²/NDF: 64.7/56



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1738.753+/-0.398 χ^2/NDF:46214.3/11

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

Left: 1730.579+/-0.286 χ^2/NDF: 61290.2/21

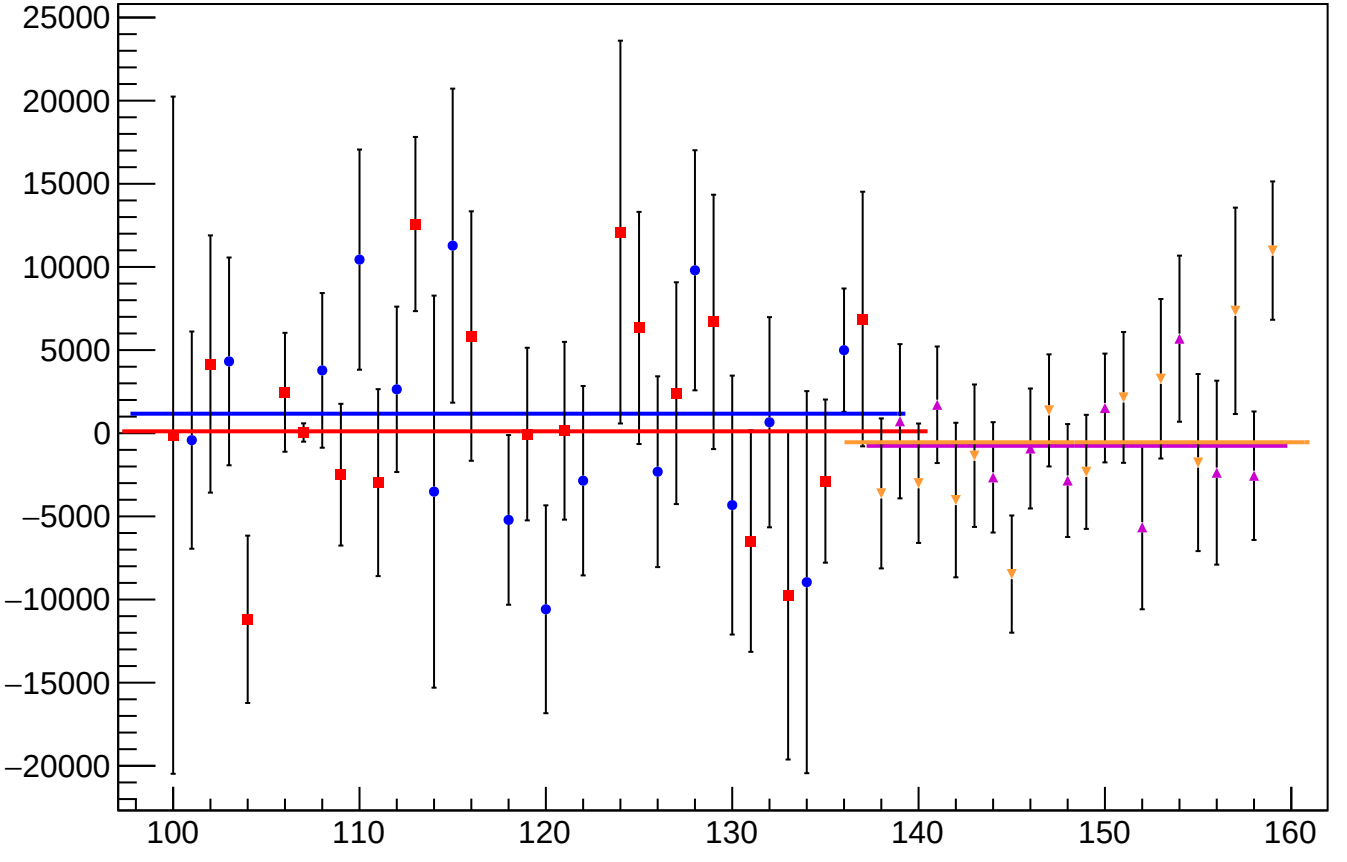
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1775.356+/-0.316 χ^2/NDF:314898.1/25

Out: 1797.744+/-0.311 χ^2/NDF:461558.0/30

All: 1786.713+/-0.222 χ^2/NDF: 779007.9/56

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: -542.397+/-1188.263 χ^2/NDF:17.6/11

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -756.322+/-1234.083 χ^2/NDF:4.7/9

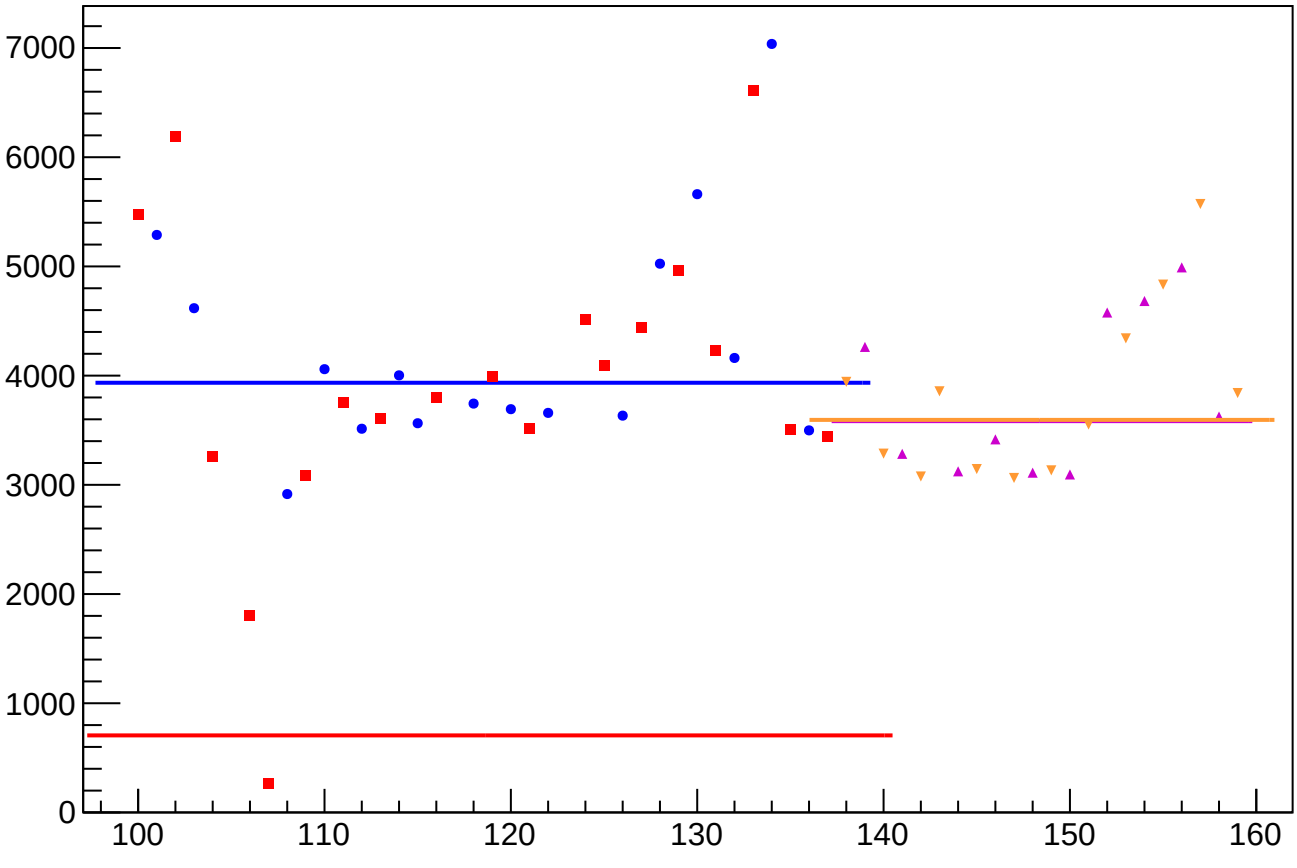
Left: -645.314+/-855.969 χ^2/NDF: 22.4/21

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 22.101+/-953.550 χ^2/NDF:19.5/25

Out: 12.735+/-470.432 χ^2/NDF:36.5/30

All: 14.569+/-421.884 χ^2/NDF: 55.9/56



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3594.679+/-0.840 χ^2/NDF:544675.1/11

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

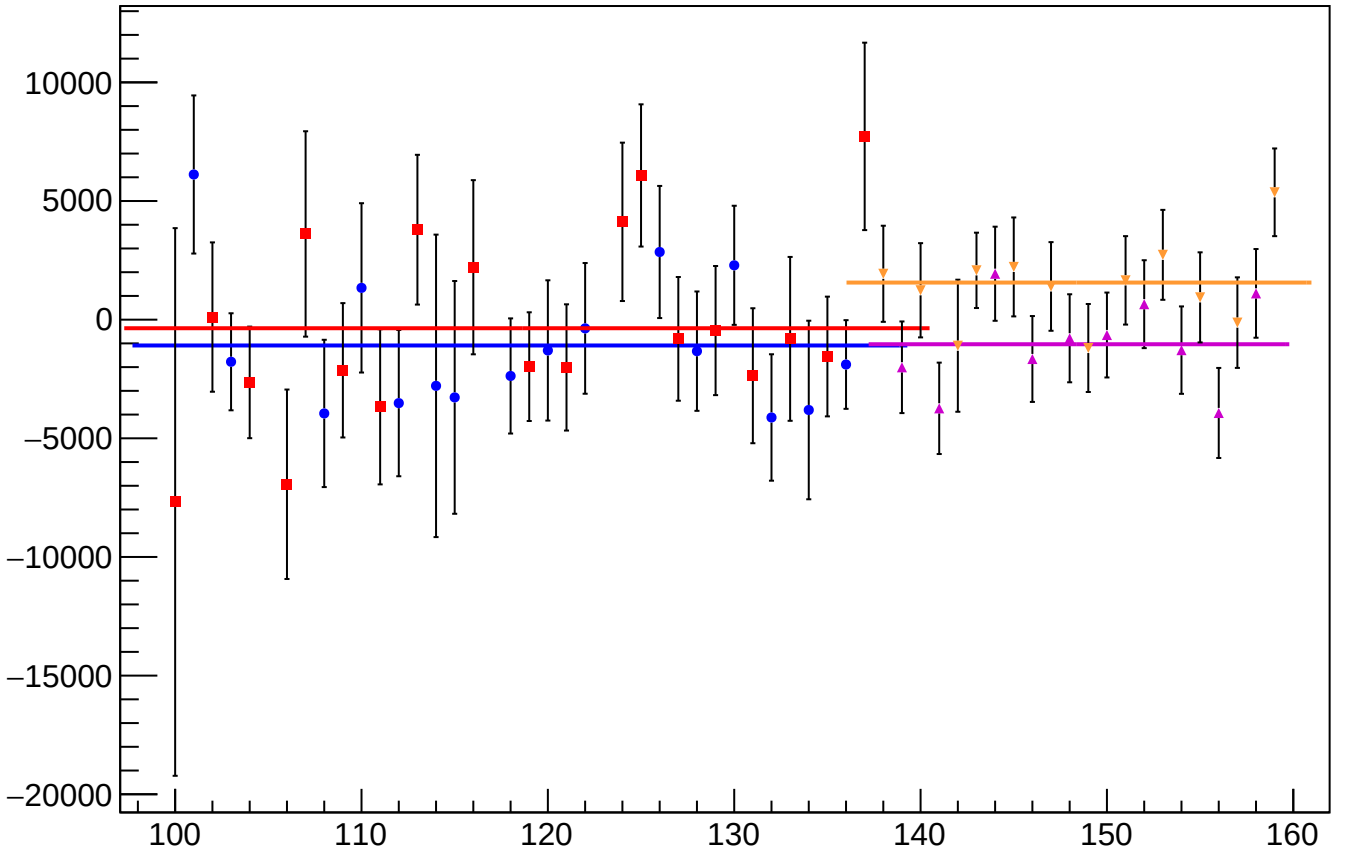
Left: 3589.179+/-0.605 χ^2/NDF: 1036274.7/21

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3724.882+/-0.674 χ^2/NDF:1117035.5/25

Out: 1158.440+/-0.333 χ^2/NDF:21261567.3/30

All: 1660.817+/-0.298 χ^2/NDF: 34030532.1/5



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1563.452+/-555.351 χ^2/NDF:8.9/11

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1035.656+/-592.230 χ^2/NDF:9.1/9

Left: 347.338+/-405.103 χ^2/NDF: 28.3/21

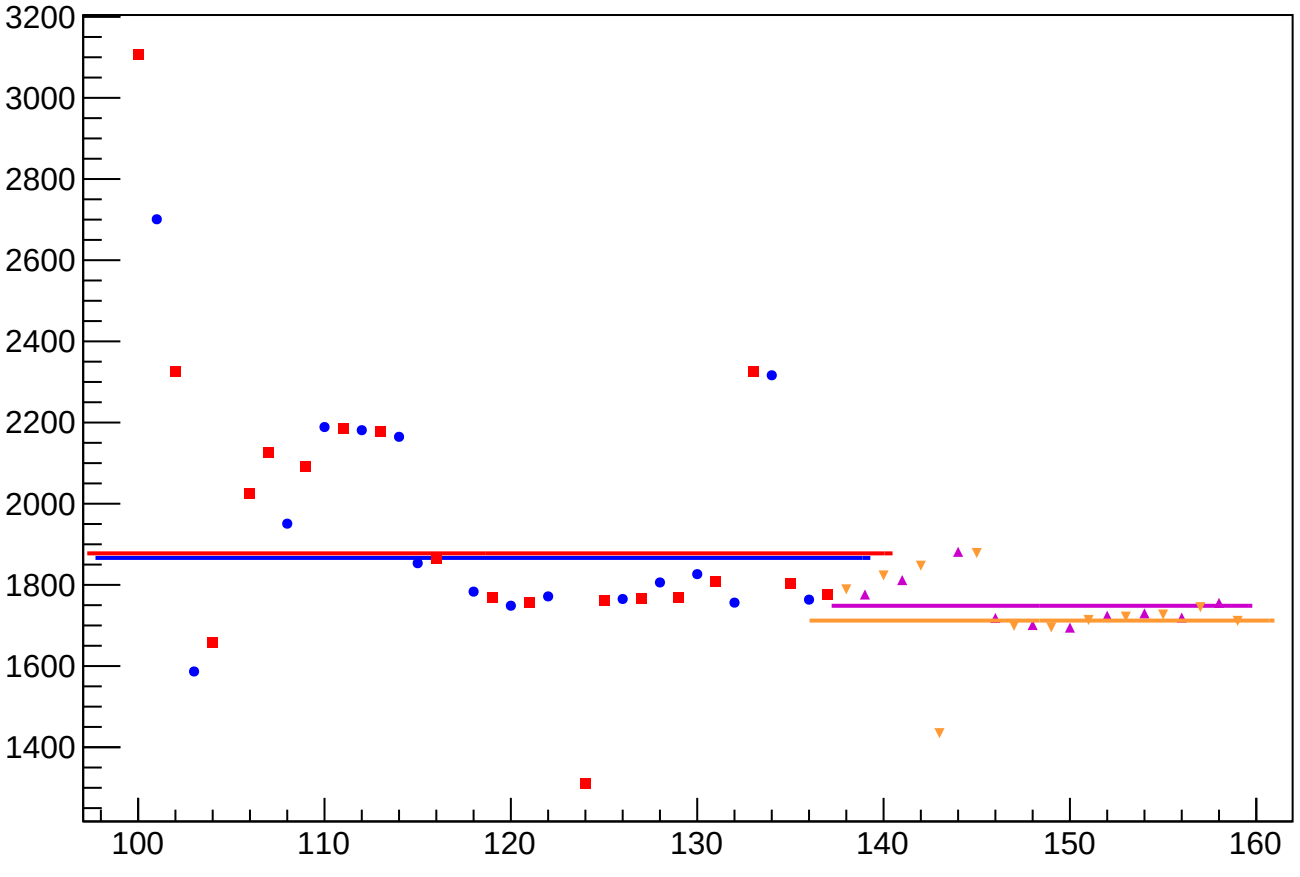
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1057.396+/-452.012 χ^2/NDF:22.3/25

Out: 819.546+/-434.982 χ^2/NDF:34.4/30

All: -82.902+/-313.426 χ^2/NDF: 65.7/56

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.076+/-0.393 χ^2/NDF:88711.0/11

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.5/9

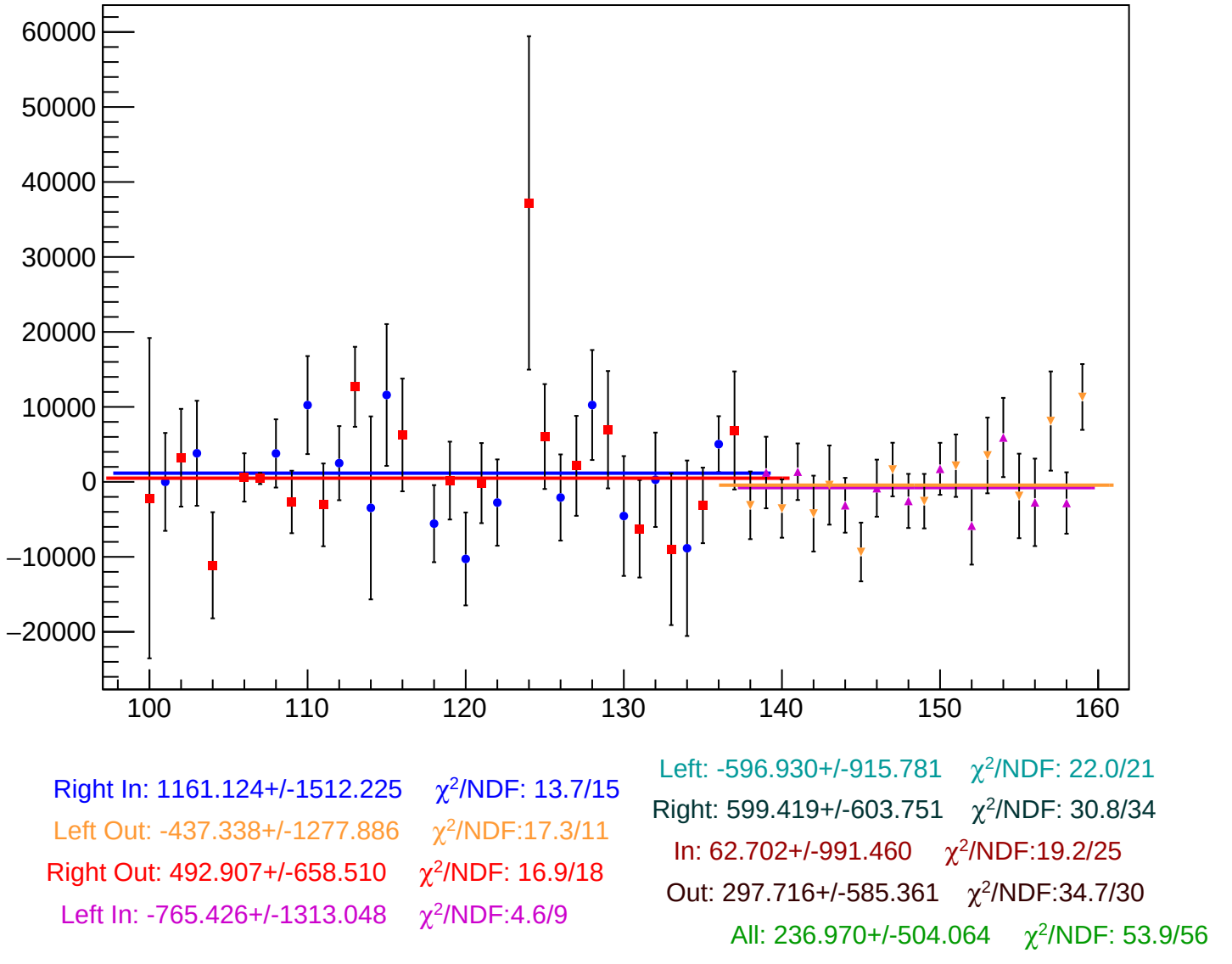
Left: 1729.118+/-0.286 χ^2/NDF: 109023.6/21

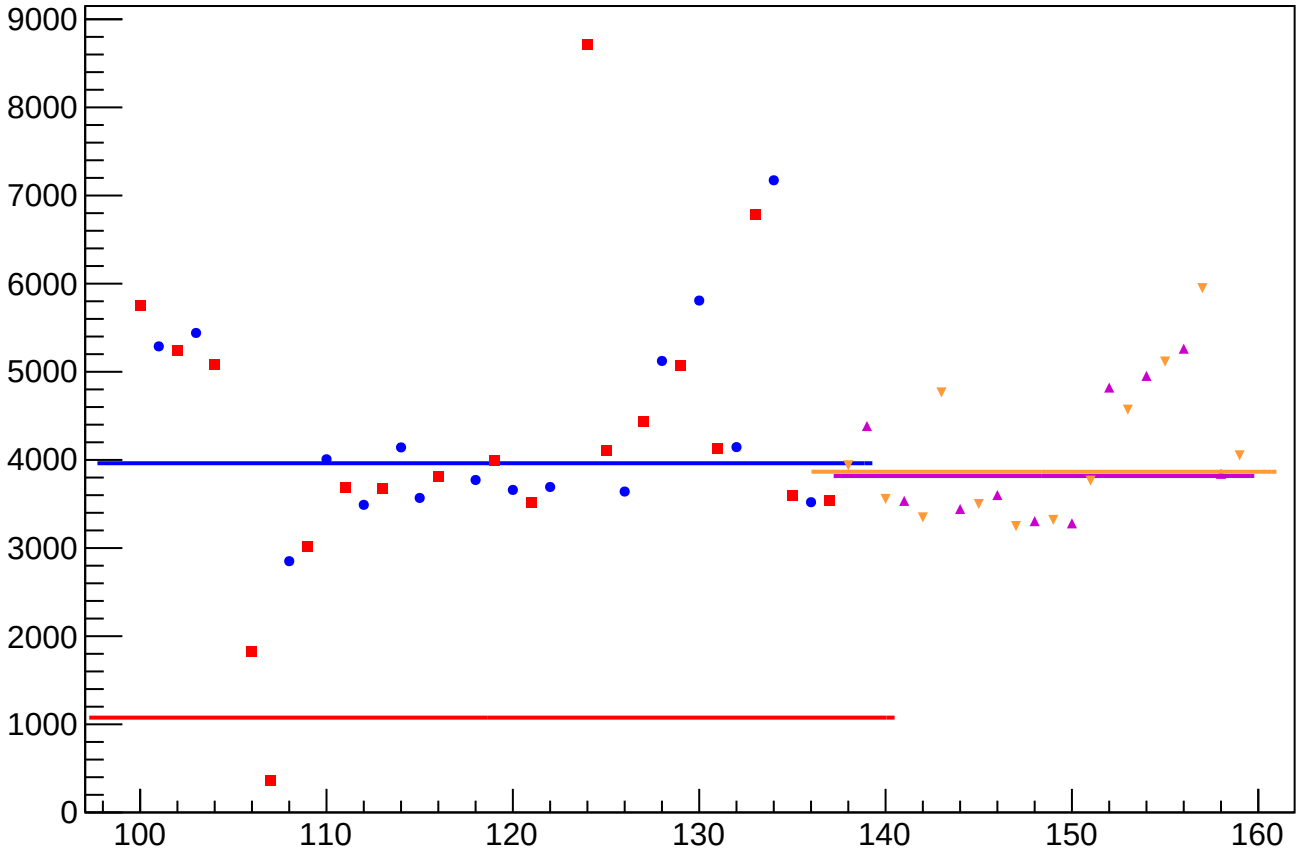
Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1797.742+/-0.320 χ^2/NDF:305672.4/25

Out: 1776.141+/-0.307 χ^2/NDF:409351.8/30

All: 1786.523+/-0.222 χ^2/NDF: 717396.5/56


asym_atl1r2_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 1161.124+/-1512.225 χ²/NDF: 13.7/15
Left Out: -437.338+/-1277.886 χ²/NDF:17.3/11
Right Out: 492.907+/-658.510 χ²/NDF: 16.9/18
Left In: -765.426+/-1313.048 χ²/NDF:4.6/9
Left: -596.930+/-915.781 χ²/NDF: 22.0/21
Right: 599.419+/-603.751 χ²/NDF: 30.8/34
In: 62.702+/-991.460 χ²/NDF:19.2/25
Out: 297.716+/-585.361 χ²/NDF:34.7/30
All: 236.970+/-504.064 χ²/NDF: 53.9/56



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3865.966+/-0.904 χ^2/NDF:554668.3/11

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3817.487+/-0.928 χ^2/NDF:445005.6/9

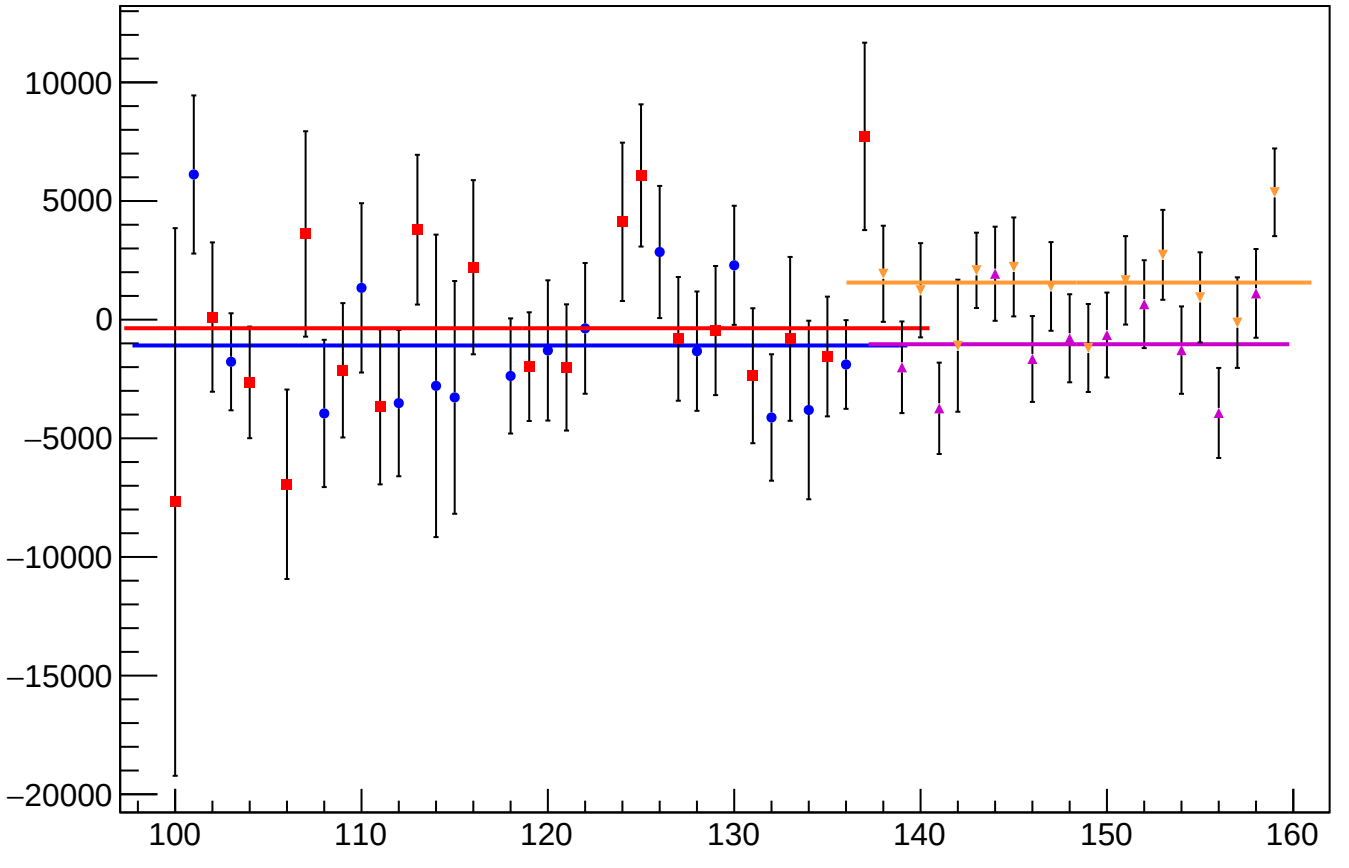
Left: 3842.384+/-0.648 χ^2/NDF: 1001074.1/21

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3879.764+/-0.701 χ^2/NDF:1123811.8/25

Out: 1661.378+/-0.414 χ^2/NDF:17646226.0/30

All: 2234.780+/-0.356 χ^2/NDF: 26194734.4/5



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1563.454+/-555.351 χ^2/NDF:8.9/11

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1035.654+/-592.231 χ^2/NDF:9.1/9

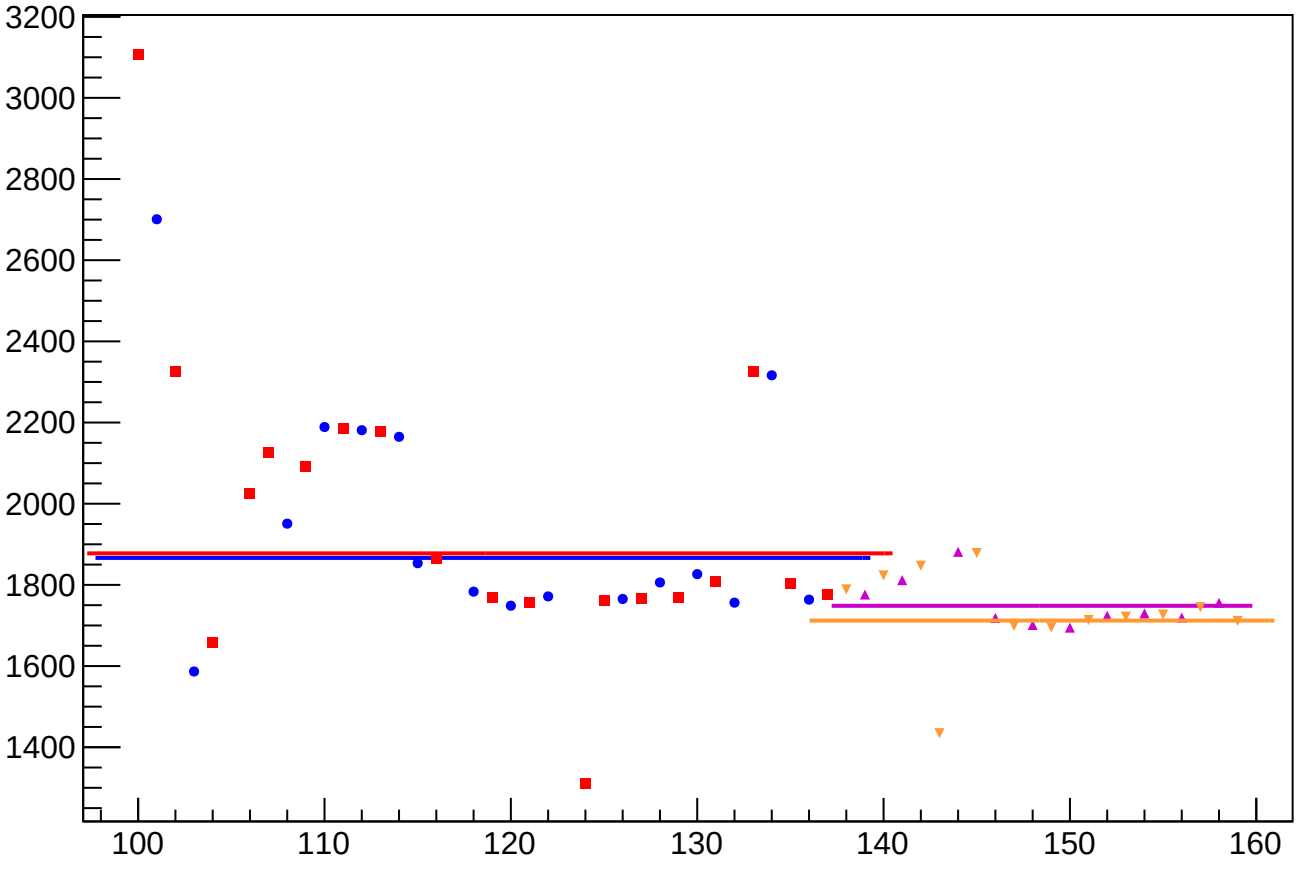
Left: 347.340+/-405.103 χ^2/NDF: 28.3/21

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1057.397+/-452.012 χ^2/NDF:22.3/25

Out: 819.545+/-434.982 χ^2/NDF:34.4/30

All: -82.903+/-313.426 χ^2/NDF: 65.7/56



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.077+/-0.393 χ^2/NDF:88710.1/11

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.4/9

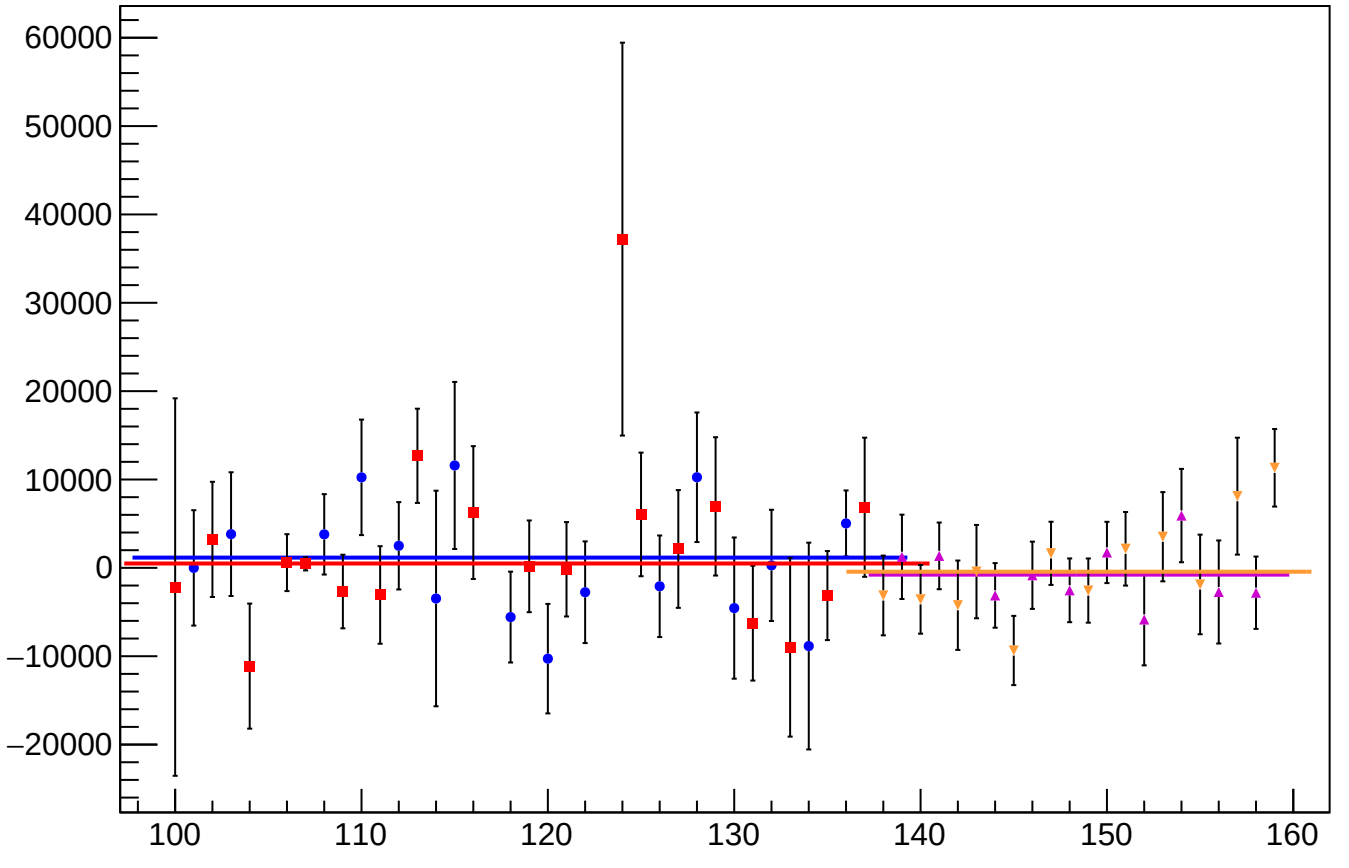
Left: 1729.119+/-0.286 χ^2/NDF: 109022.6/21

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1797.742+/-0.320 χ^2/NDF:305671.8/25

Out: 1776.141+/-0.307 χ^2/NDF:409350.5/30

All: 1786.524+/-0.222 χ^2/NDF: 717394.5/56



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -437.337+/-1277.887 χ^2/NDF:17.3/11

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -765.424+/-1313.050 χ^2/NDF:4.6/9

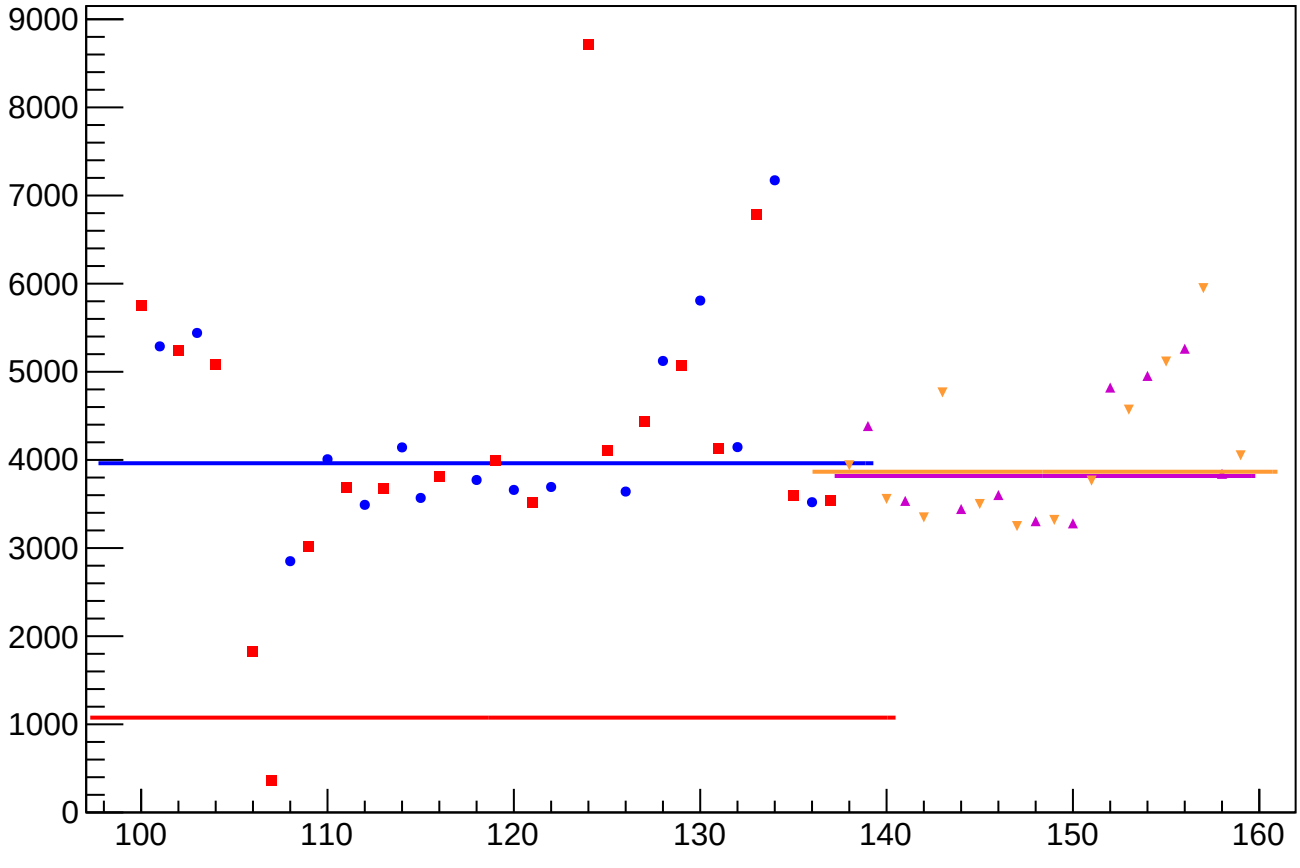
Left: -596.929+/-915.782 χ^2/NDF: 22.0/21

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 62.698+/-991.460 χ^2/NDF:19.2/25

Out: 297.717+/-585.368 χ^2/NDF:34.7/30

All: 236.969+/-504.069 χ^2/NDF: 53.9/56



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3865.970+/-0.904 χ^2/NDF:554665.9/11

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3817.492+/-0.928 χ^2/NDF:445003.9/9

Left: 3842.389+/-0.648 χ^2/NDF: 1001070.0/21

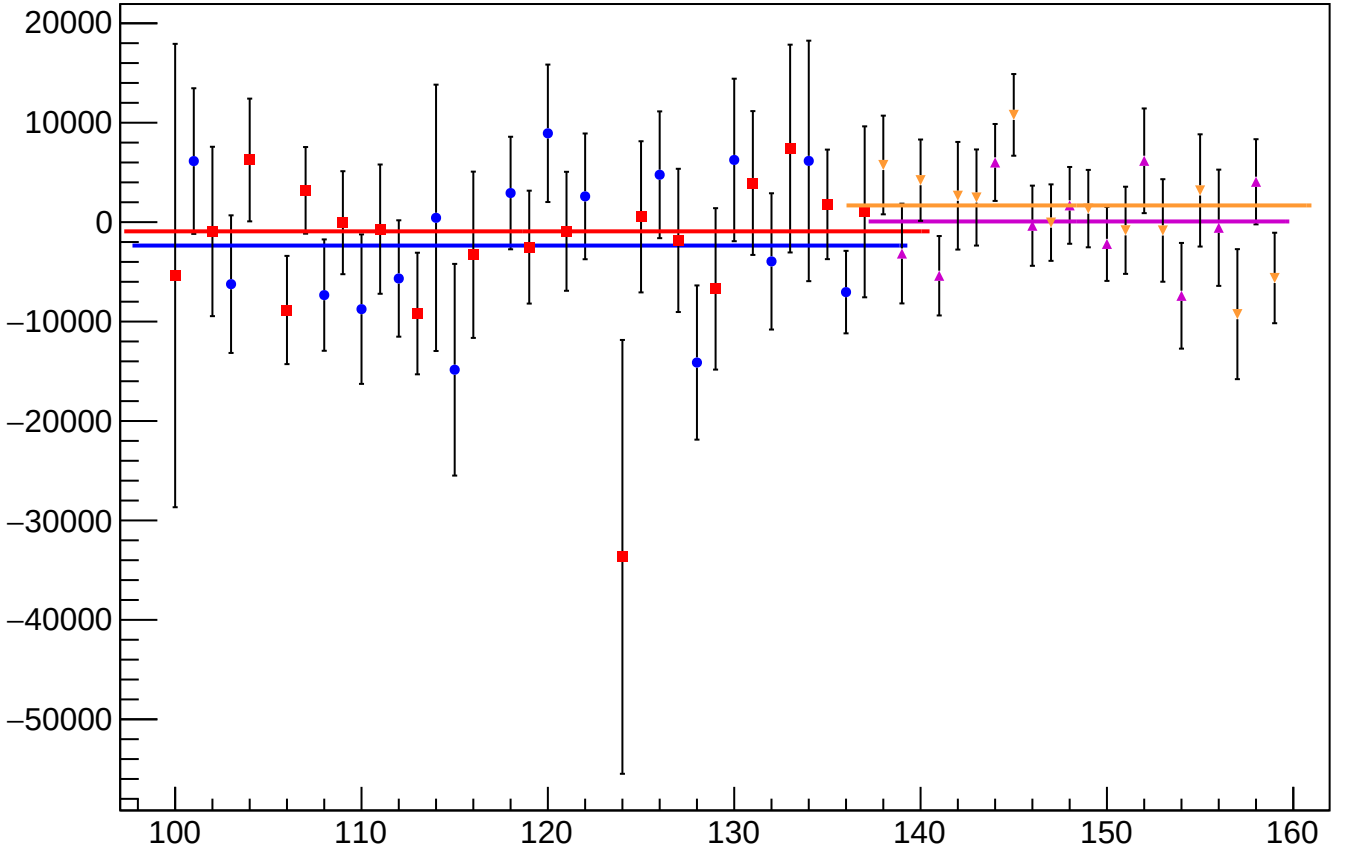
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3879.764+/-0.701 χ^2/NDF:1123804.9/25

Out: 1661.418+/-0.414 χ^2/NDF:17645886.8/30

All: 2234.820+/-0.356 χ^2/NDF: 26194076.1/5

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1681.553+/-1332.842 χ^2/NDF:12.2/11

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 69.050+/-1379.880 χ^2/NDF:9.4/9

Left: 903.254+/-958.660 χ^2/NDF: 22.3/21

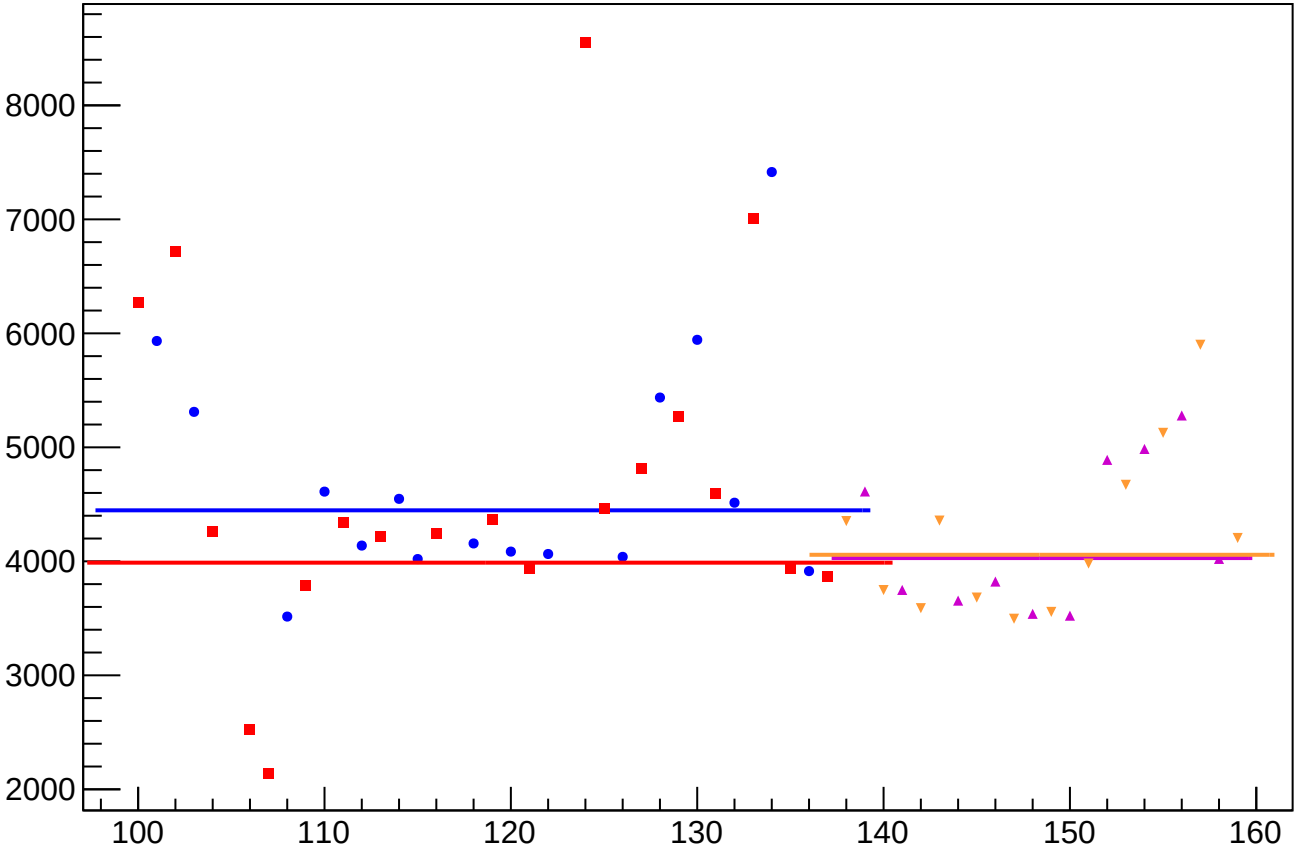
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -904.110+/-1067.527 χ^2/NDF:26.2/25

Out: 570.999+/-1009.728 χ^2/NDF:24.5/30

All: -125.543+/-733.568 χ^2/NDF: 51.7/56

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4057.396+/-0.942 χ^2/NDF:395369.9/11

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4028.616+/-0.976 χ^2/NDF:339677.3/9

Left: 4043.504+/-0.678 χ^2/NDF: 735497.2/21

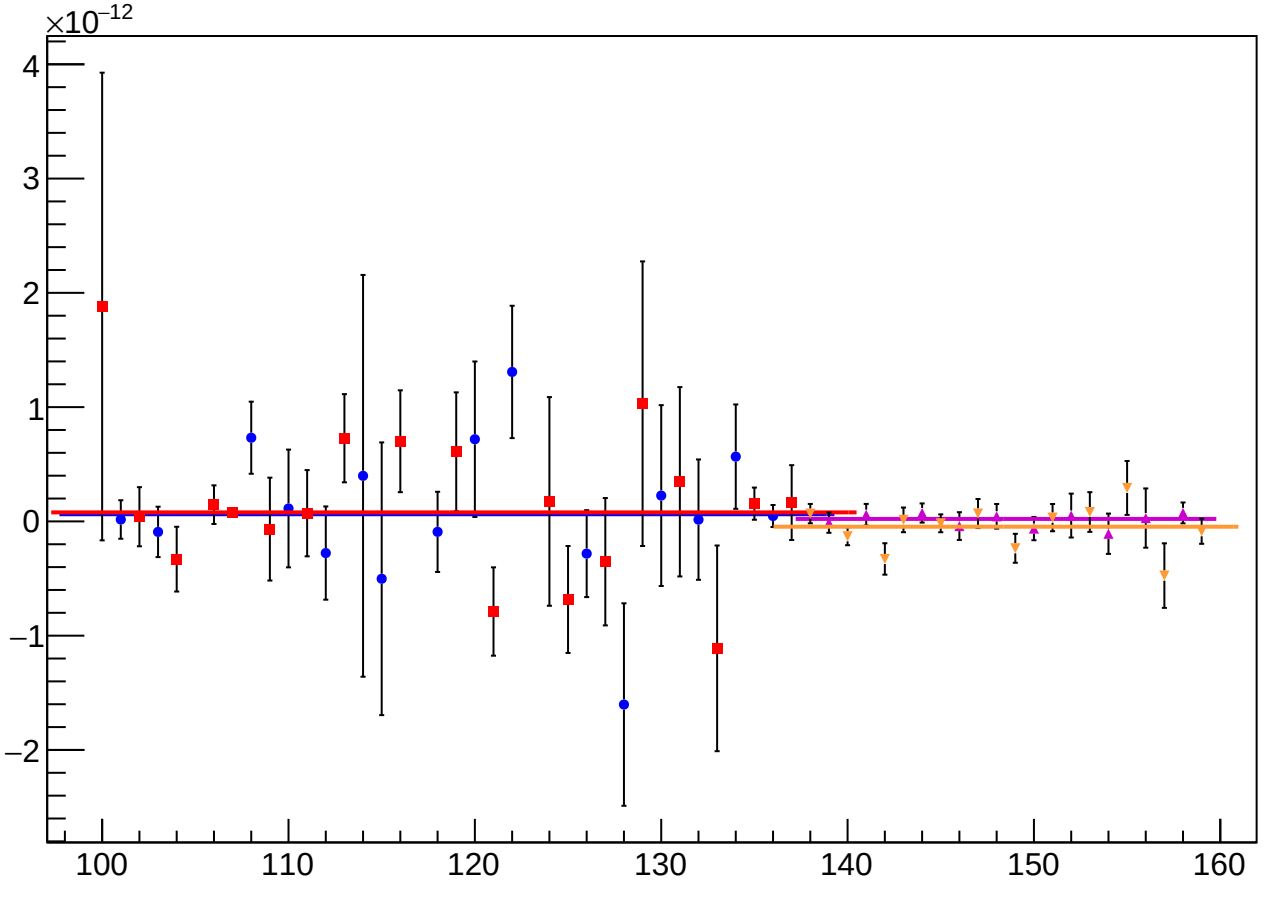
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4196.761+/-0.755 χ^2/NDF:871896.9/25

Out: 4027.596+/-0.711 χ^2/NDF:1541622.1/30

All: 4107.115+/-0.518 χ^2/NDF: 2440133.1/56

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/9

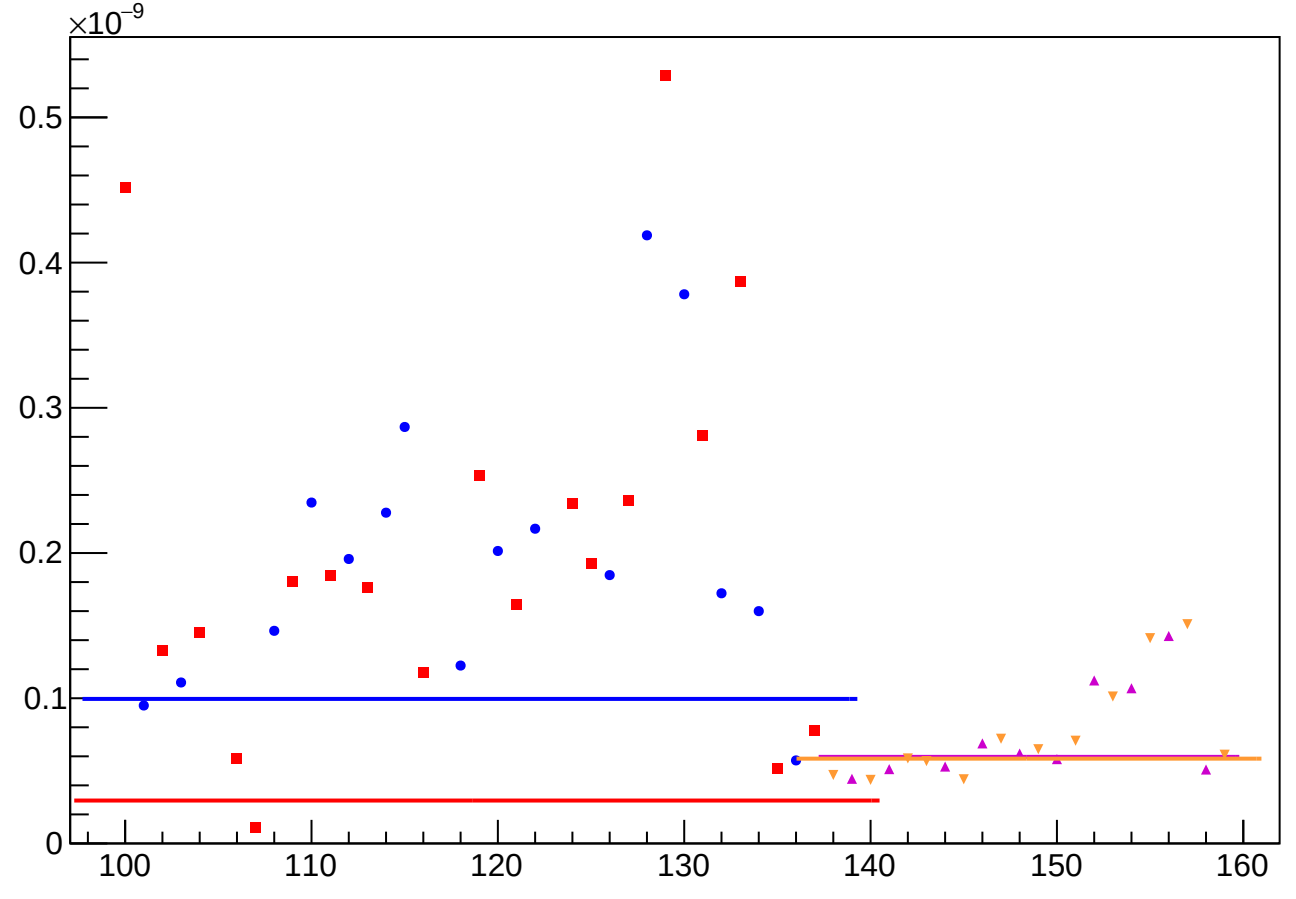
Left: -0.000+/-0.000 χ^2/NDF: 20.8/21

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:20.3/25

Out: 0.000+/-0.000 χ^2/NDF:43.5/30

All: 0.000+/-0.000 χ^2/NDF: 63.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:806313.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:618103.4/9

Left: 0.000+/-0.000 χ^2/NDF: 1425728.4/21

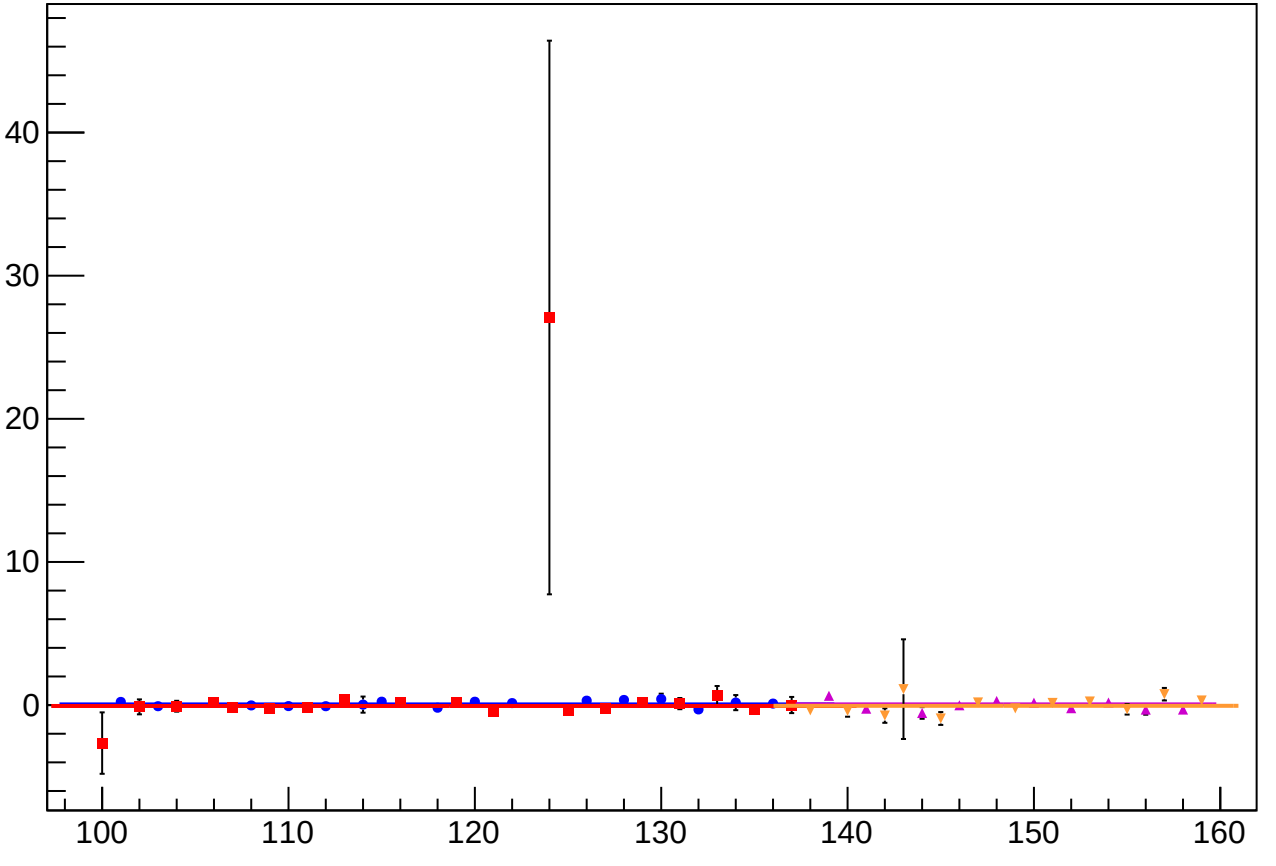
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2726050.3/25

Out: 0.000+/-0.000 χ^2/NDF:5938437.7/30

All: 0.000+/-0.000 χ^2/NDF: 9405327.6/56

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

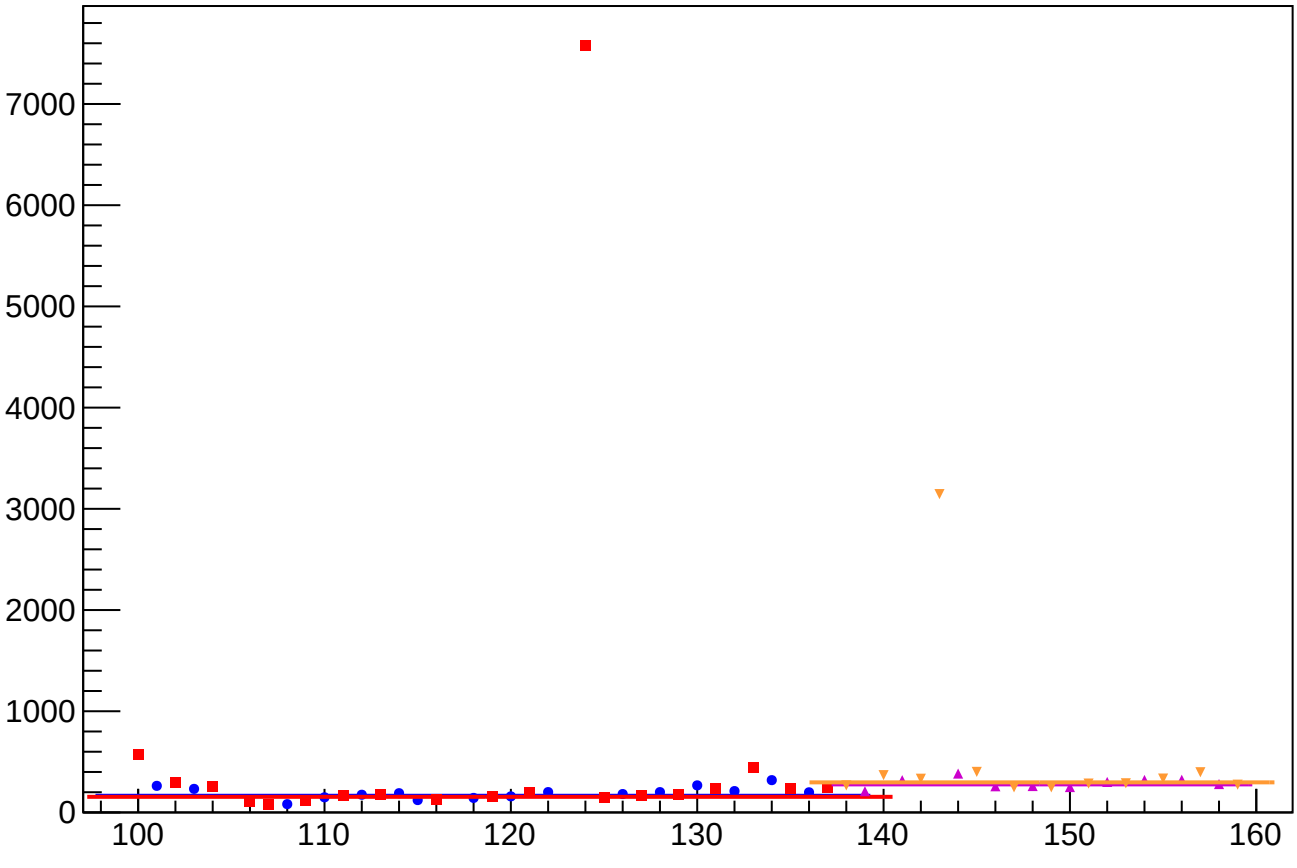
Left: 0.003+/-0.070 χ^2/NDF: 29.5/21

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.005+/-0.039 χ^2/NDF: 56.9/56



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 297.385+/-0.072 χ^2/NDF:1807684.5/11

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

Left: 286.740+/-0.049 χ^2/NDF: 2290294.3/21

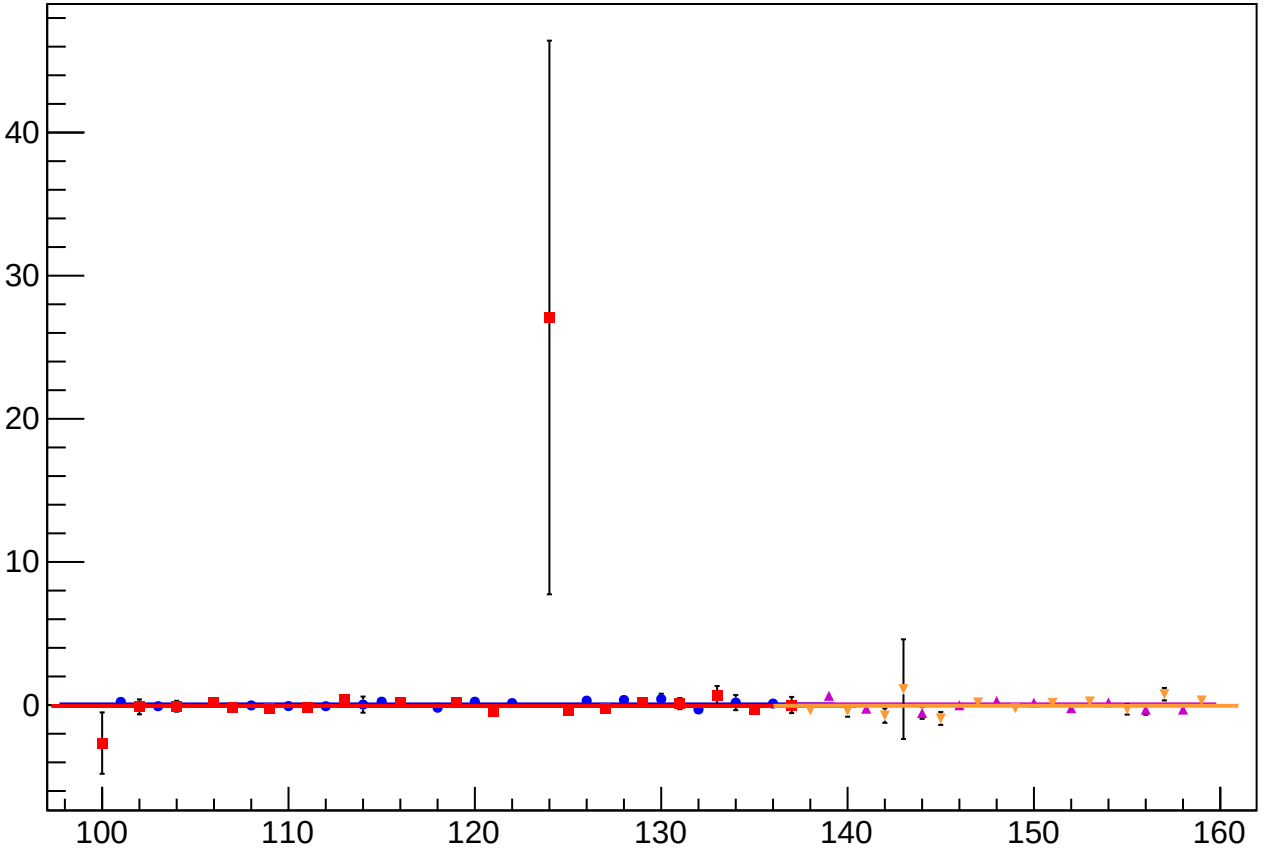
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 201.235+/-0.039 χ^2/NDF:3770940.7/25

Out: 195.175+/-0.039 χ^2/NDF:6541297.1/30

All: 198.196+/-0.027 χ^2/NDF: 10324589.3/56

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: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

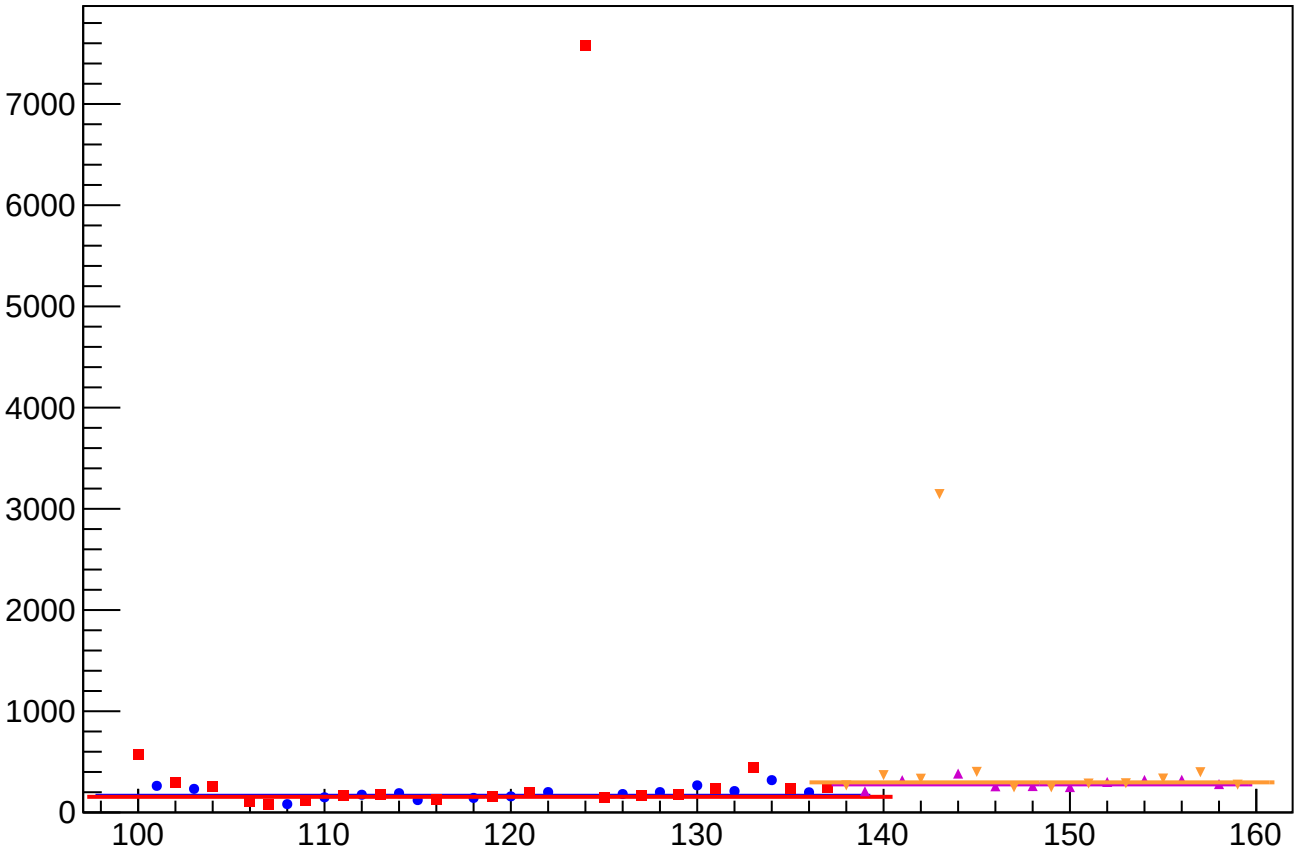
Left: 0.003+/-0.070 χ^2/NDF: 29.5/21

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.005+/-0.039 χ^2/NDF: 56.9/56



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 297.385+/-0.072 χ^2/NDF:1807684.5/11

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

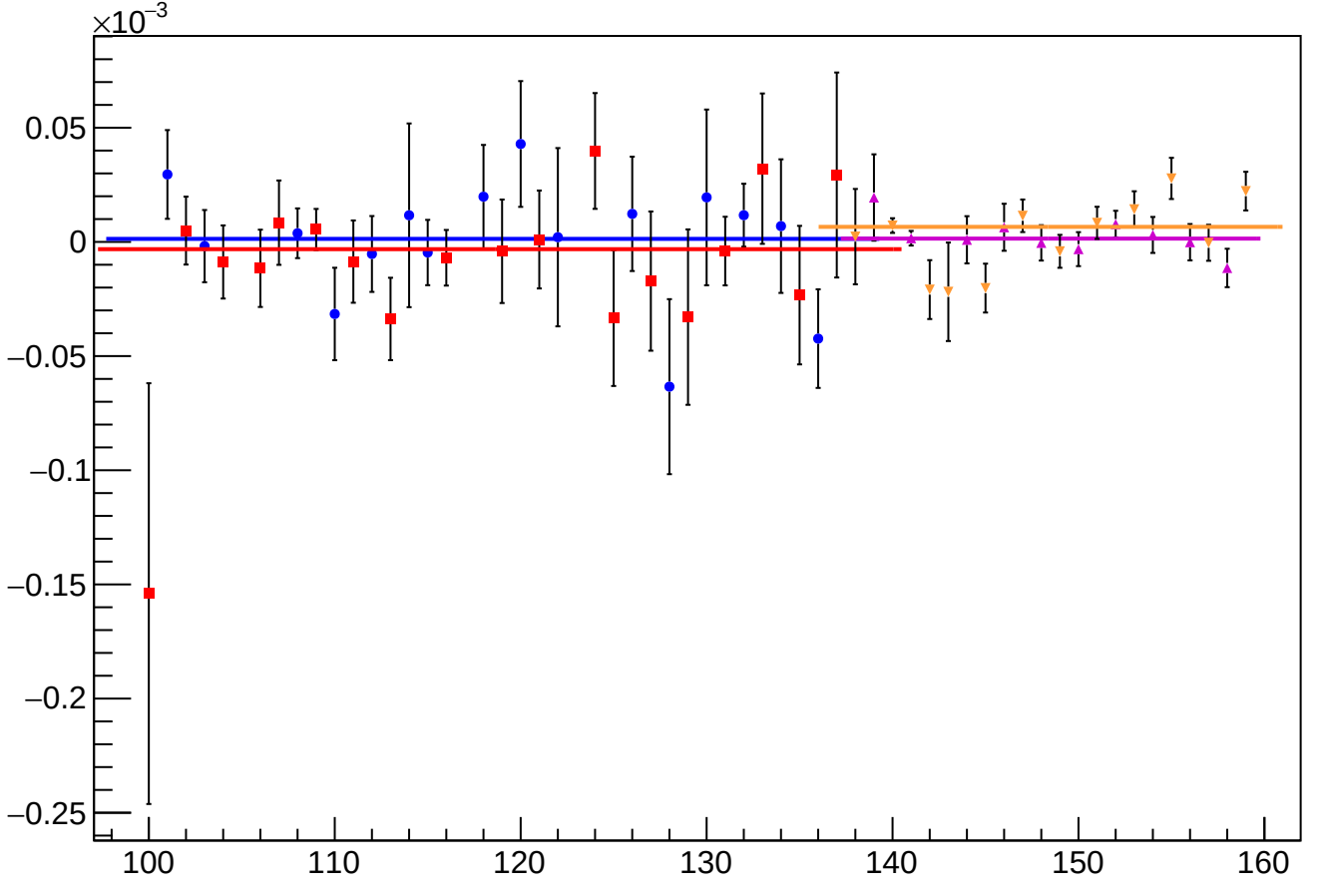
Left: 286.740+/-0.049 χ^2/NDF: 2290294.3/21

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 201.235+/-0.039 χ^2/NDF:3770940.7/25

Out: 195.175+/-0.039 χ^2/NDF:6541297.1/30

All: 198.196+/-0.027 χ^2/NDF: 10324589.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

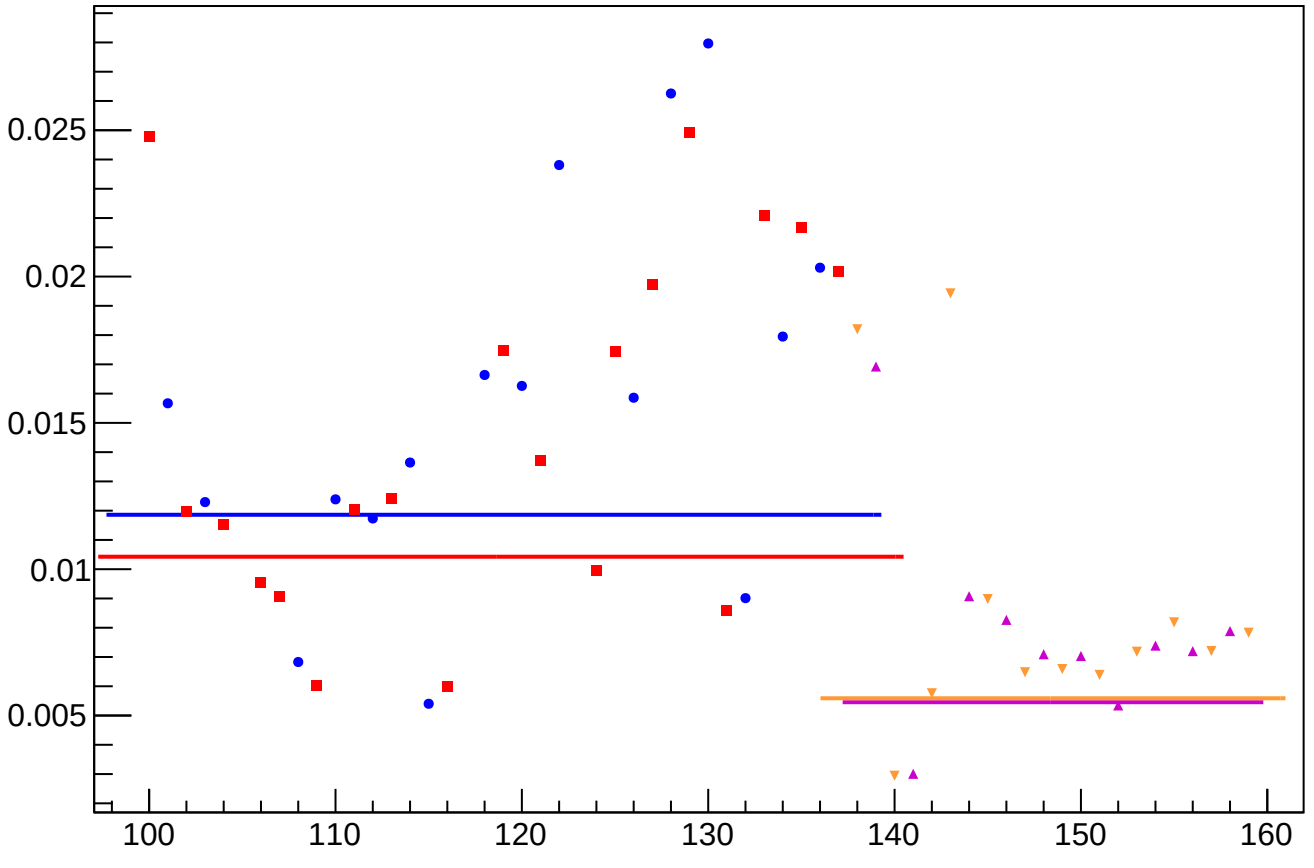
Left: 0.000+/-0.000 χ^2/NDF: 34.3/21

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:21.3/25

Out: 0.000+/-0.000 χ^2/NDF:44.9/30

All: 0.000+/-0.000 χ^2/NDF: 67.8/56



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:3677820.8/11

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2859927.7/9

Left: 0.006+/-0.000 χ^2/NDF: 6541967.8/21

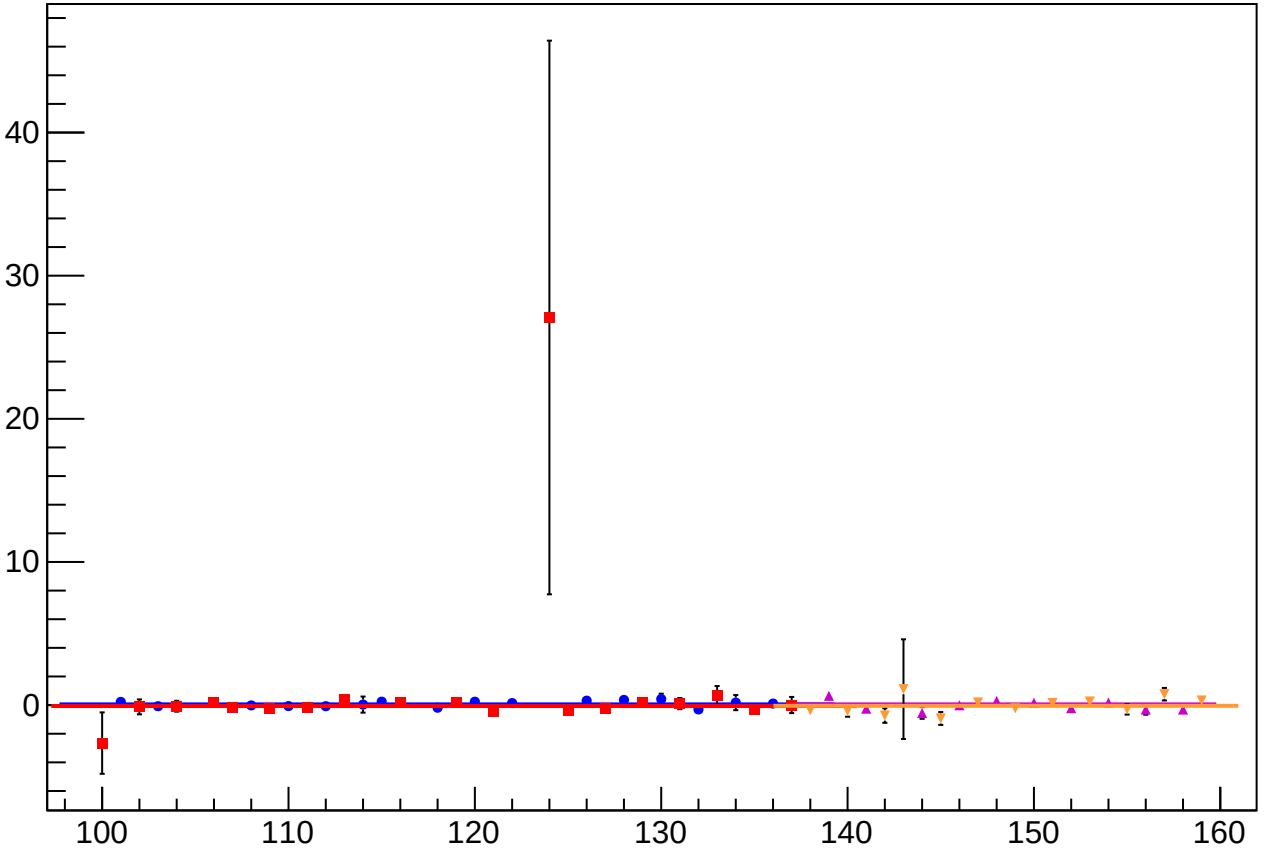
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8185241.0/25

Out: 0.007+/-0.000 χ^2/NDF:8136796.8/30

All: 0.006+/-0.000 χ^2/NDF: 16323501.3/56

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: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

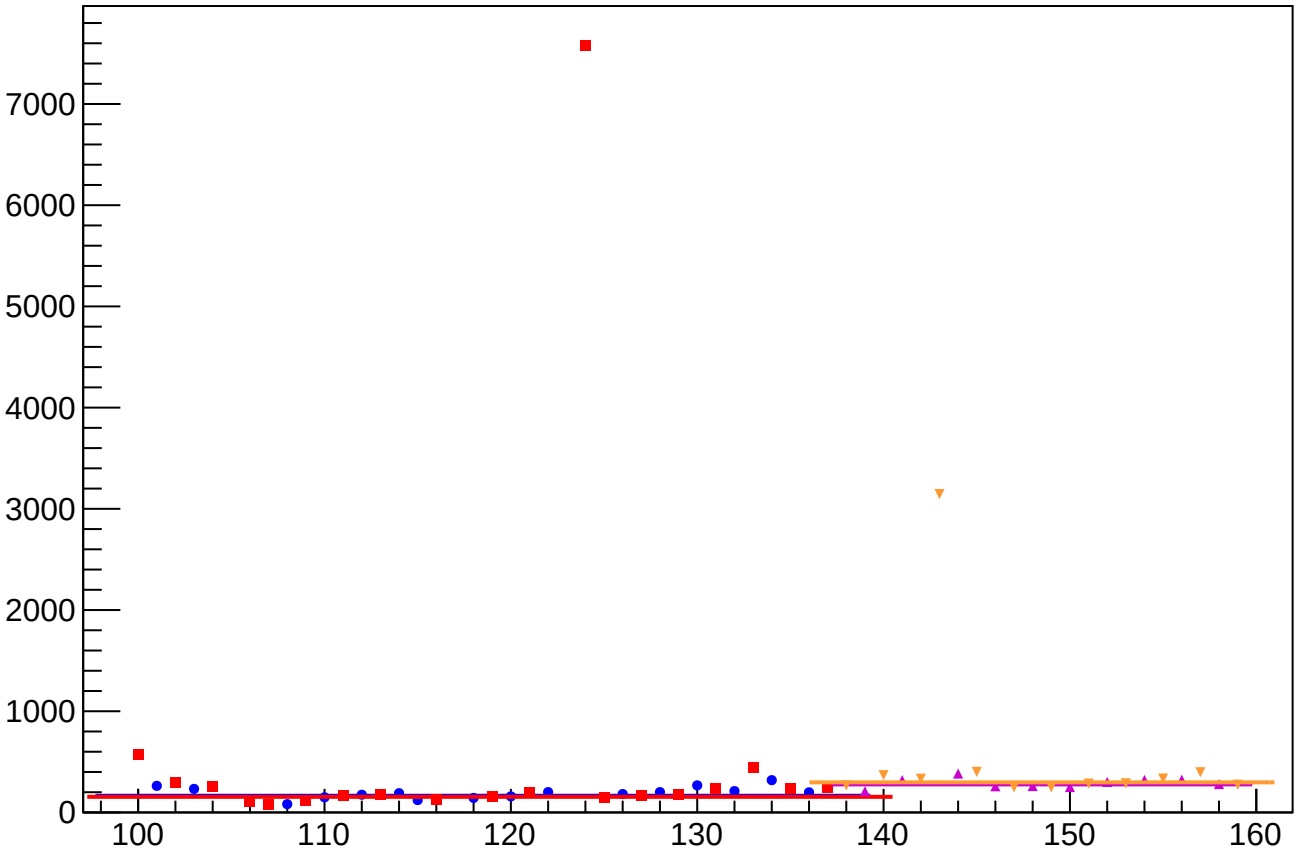
Left: 0.003+/-0.070 χ^2/NDF: 29.5/21

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.005+/-0.039 χ^2/NDF: 56.9/56



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 297.389+/-0.072 χ^2/NDF:1807654.8/11

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

Left: 286.744+/-0.049 χ^2/NDF: 2290235.6/21

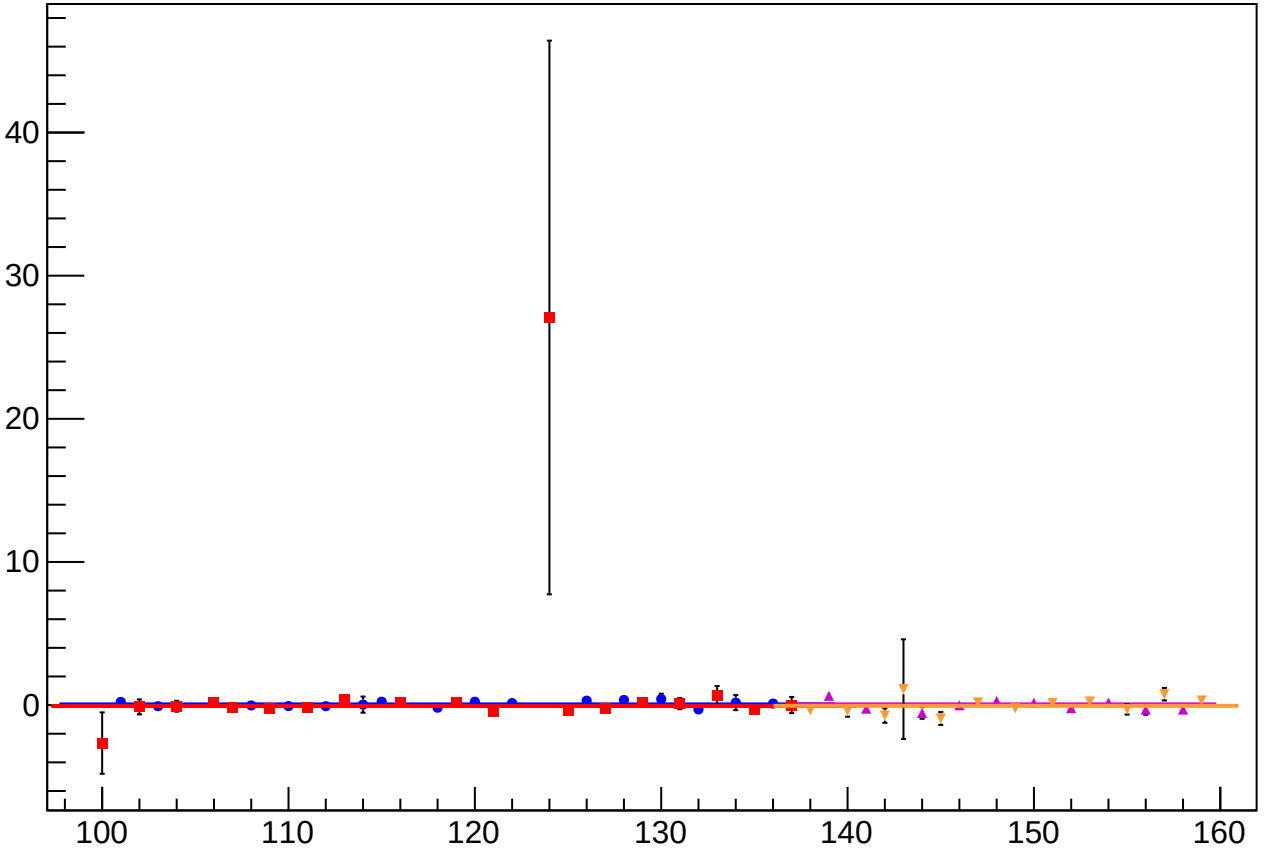
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 201.236+/-0.039 χ^2/NDF:3770980.6/25

Out: 195.175+/-0.039 χ^2/NDF:6541404.0/30

All: 198.196+/-0.027 χ^2/NDF: 10324736.6/56

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: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

Left: 0.003+/-0.070 χ^2/NDF: 29.5/21

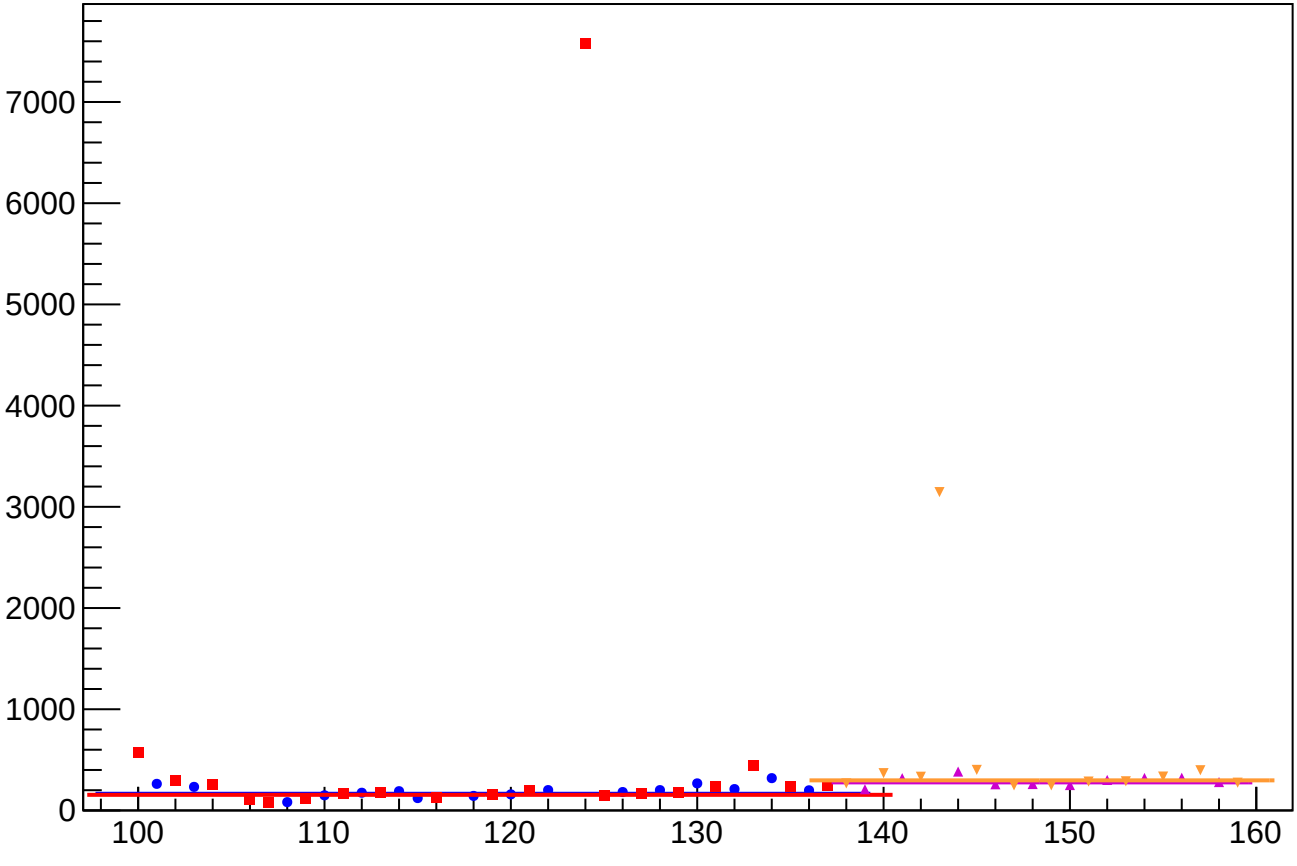
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.005+/-0.039 χ^2/NDF: 56.9/56

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: 297.389+/-0.072 χ^2/NDF:1807654.8/11

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

Left: 286.744+/-0.049 χ^2/NDF: 2290235.6/21

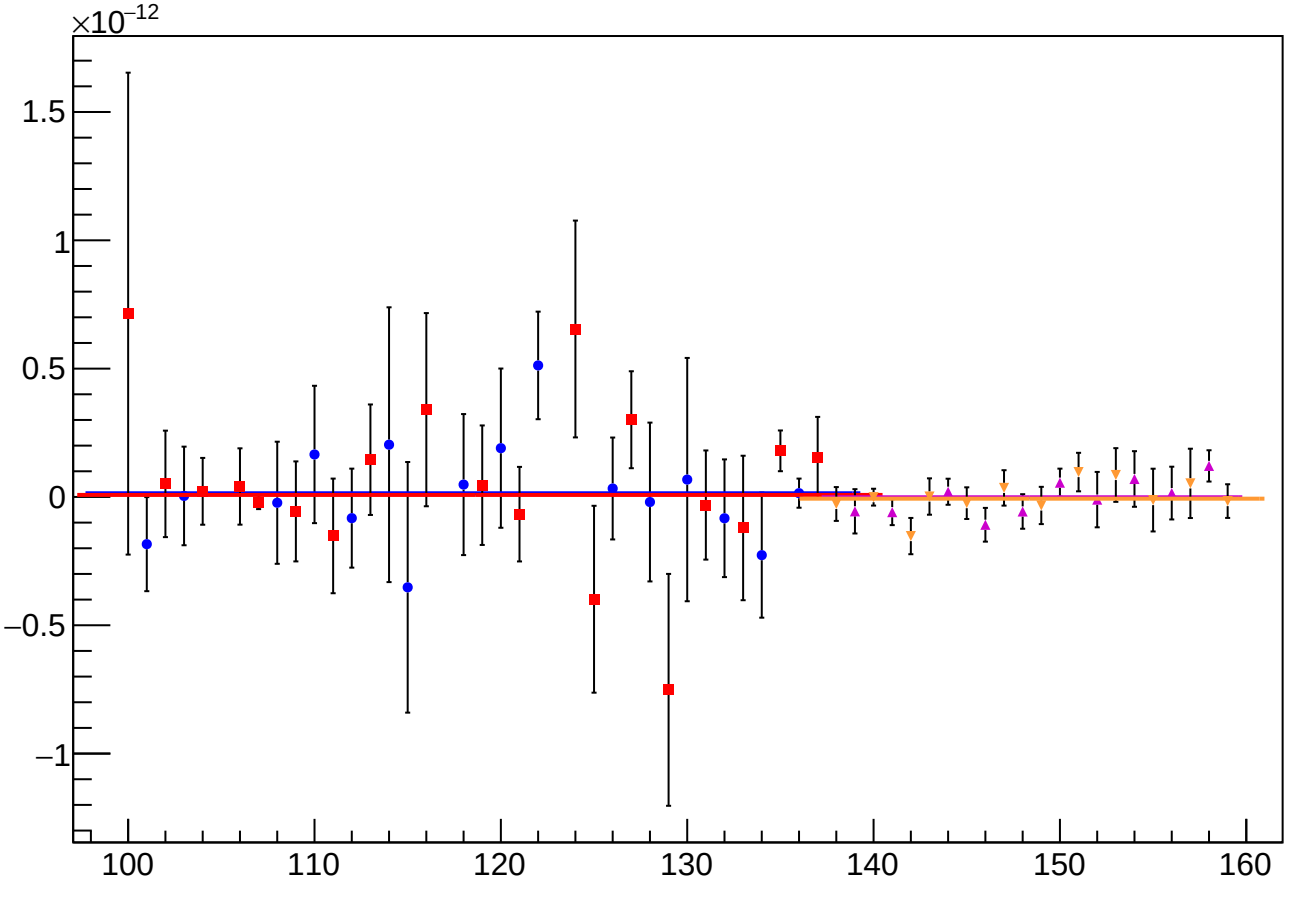
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 201.236+/-0.039 χ^2/NDF:3770980.6/25

Out: 195.175+/-0.039 χ^2/NDF:6541404.0/30

All: 198.196+/-0.027 χ^2/NDF: 10324736.6/56

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

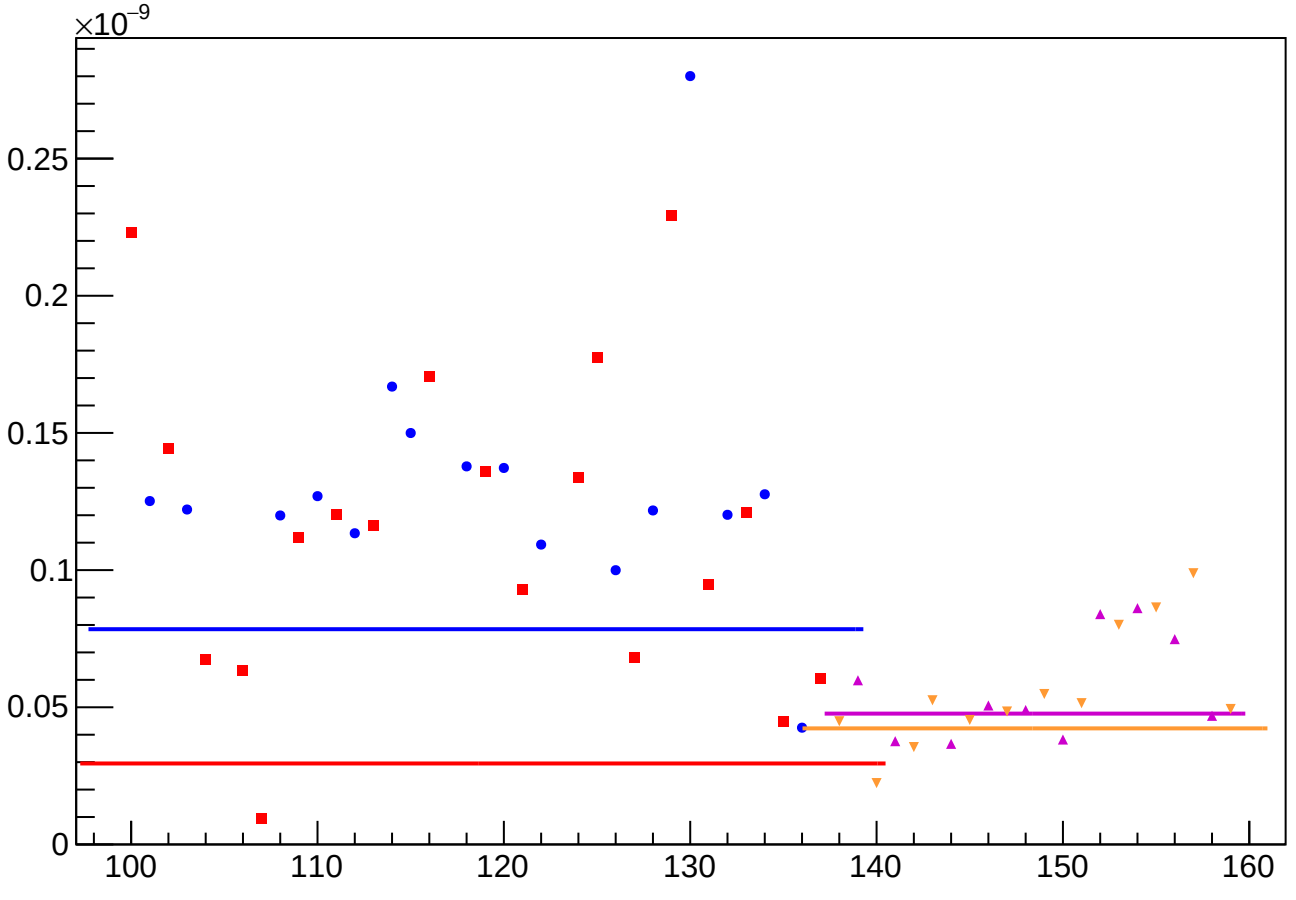
Left: -0.000+/-0.000 χ^2/NDF: 18.7/21

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:20.5/25

Out: -0.000+/-0.000 χ^2/NDF:26.5/30

All: 0.000+/-0.000 χ^2/NDF: 47.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806983.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:894588.7/9

Left: 0.000+/-0.000 χ^2/NDF: 2774071.4/21

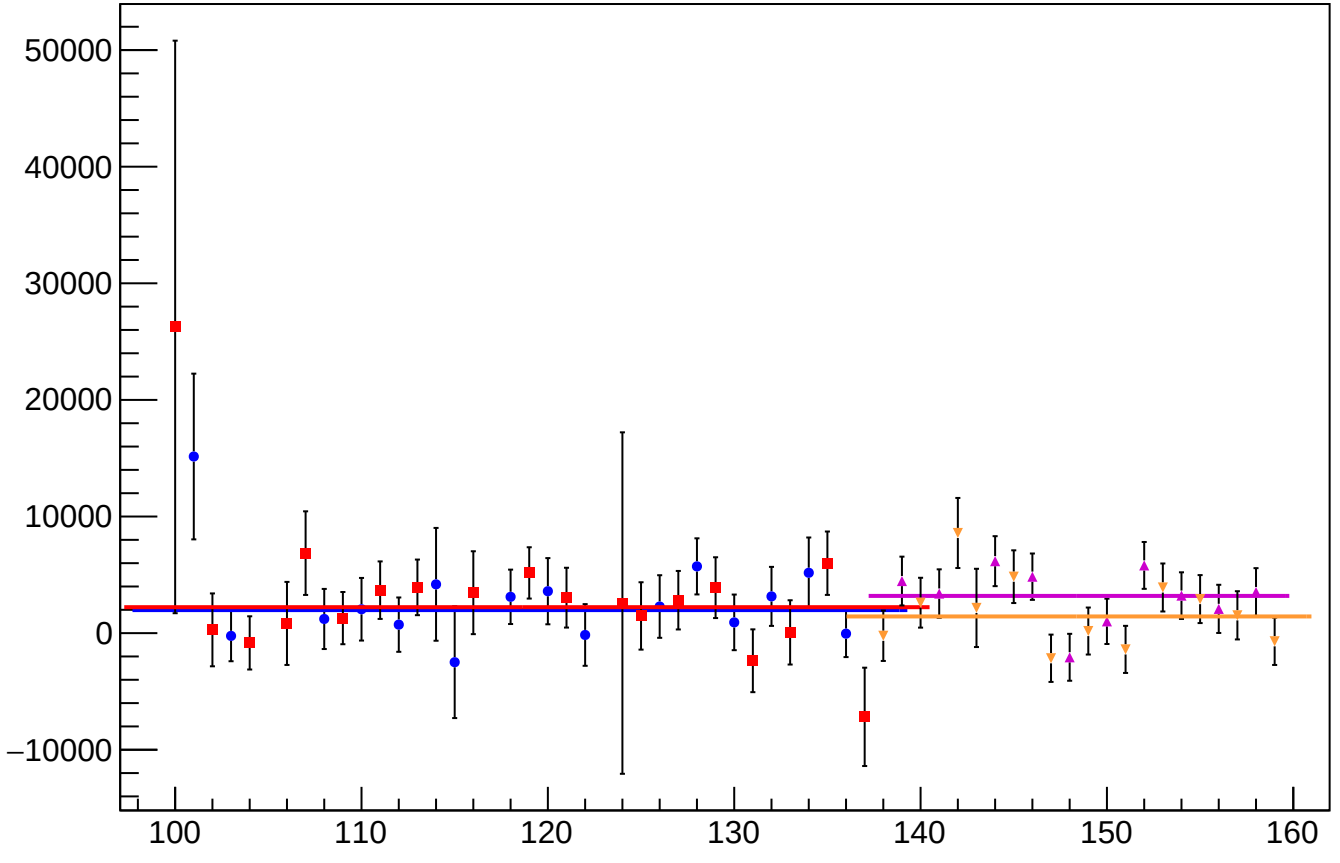
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3840648.3/25

Out: 0.000+/-0.000 χ^2/NDF:7667151.0/30

All: 0.000+/-0.000 χ^2/NDF: 12480568.5/56

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1431.251+/-630.956 χ^2/NDF:17.4/11

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3192.802+/-643.617 χ^2/NDF:13.1/9

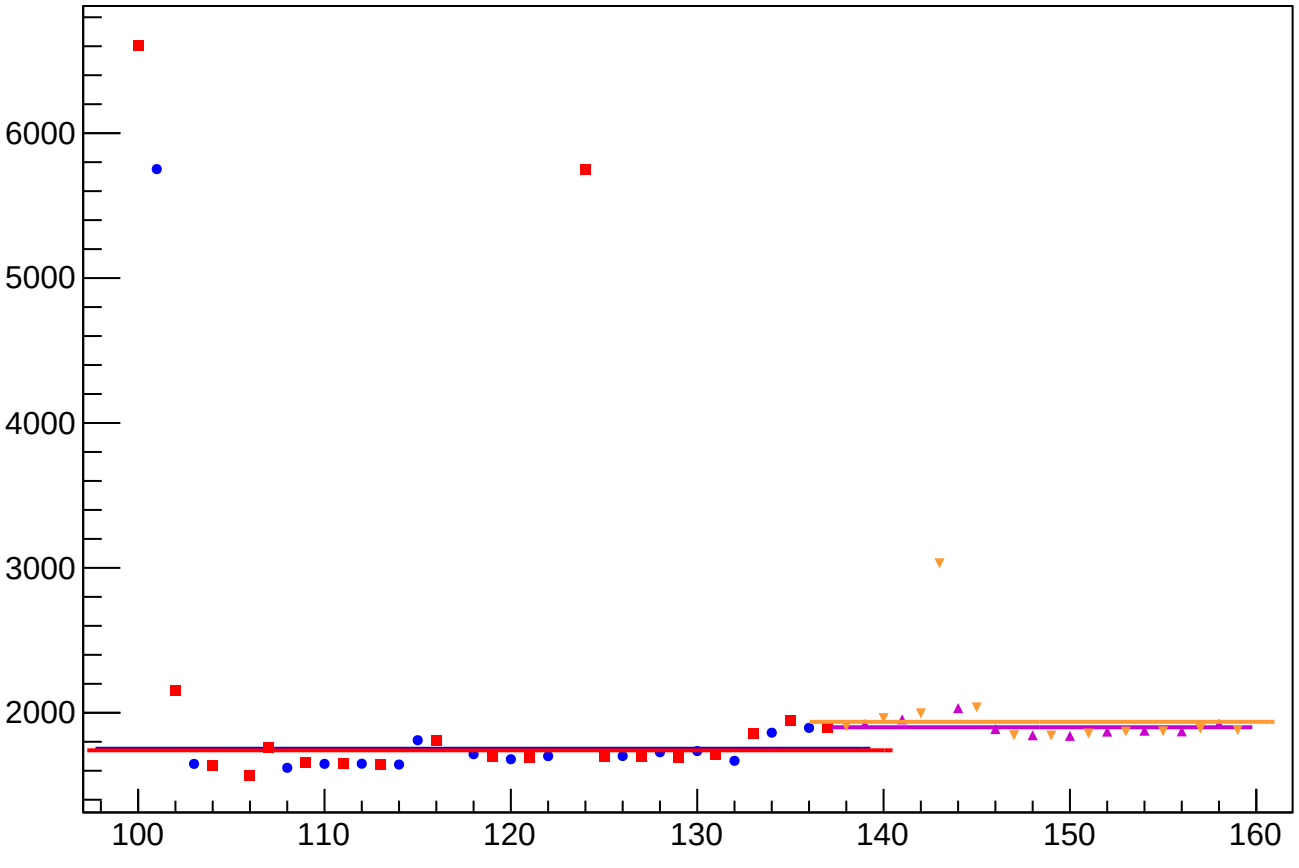
Left: 2294.530+/-450.563 χ^2/NDF: 34.4/21

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2606.894+/-463.389 χ^2/NDF:27.0/25

Out: 1813.075+/-454.845 χ^2/NDF:37.2/30

All: 2202.598+/-324.602 χ^2/NDF: 65.6/56



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1937.590+/-0.446 χ^2/NDF:236446.4/11

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

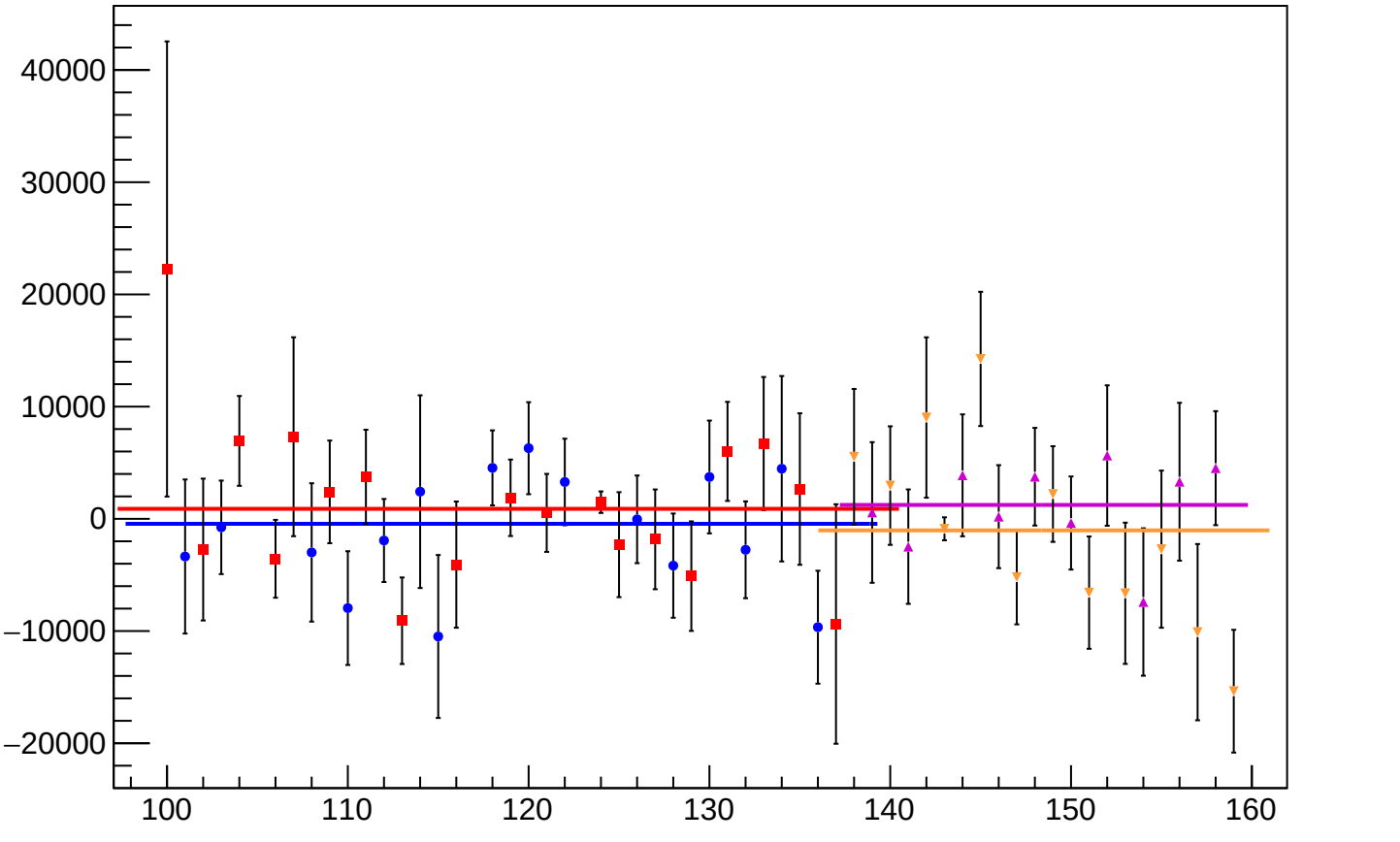
Left: 1919.269+/-0.319 χ^2/NDF: 253932.5/21

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1828.636+/-0.328 χ^2/NDF:736045.1/25

Out: 1842.462+/-0.320 χ^2/NDF:635026.8/30

All: 1835.702+/-0.229 χ^2/NDF: 1371981.9/56



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1029.277+/-872.327 χ^2/NDF:22.1/11

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1238.132+/-1657.834 χ^2/NDF:4.0/9

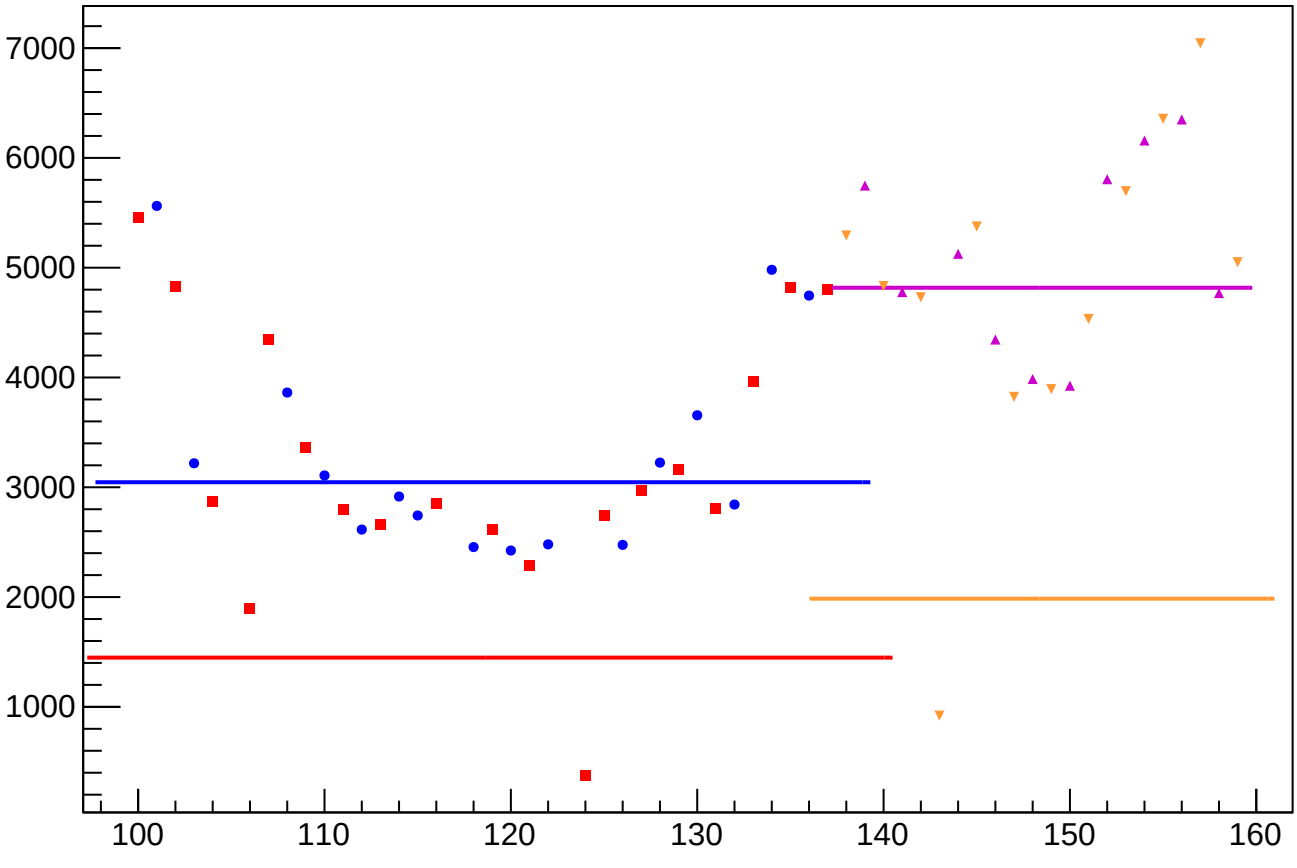
Left: -537.624+/-771.980 χ^2/NDF: 27.6/21

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 117.920+/-958.338 χ^2/NDF:20.7/25

Out: 106.269+/-557.904 χ^2/NDF:45.1/30

All: 109.218+/-482.152 χ^2/NDF: 65.7/56



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1985.479+/-0.617 χ^2/NDF:8521411.9/11

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4817.360+/-1.172 χ^2/NDF:465839.6/9

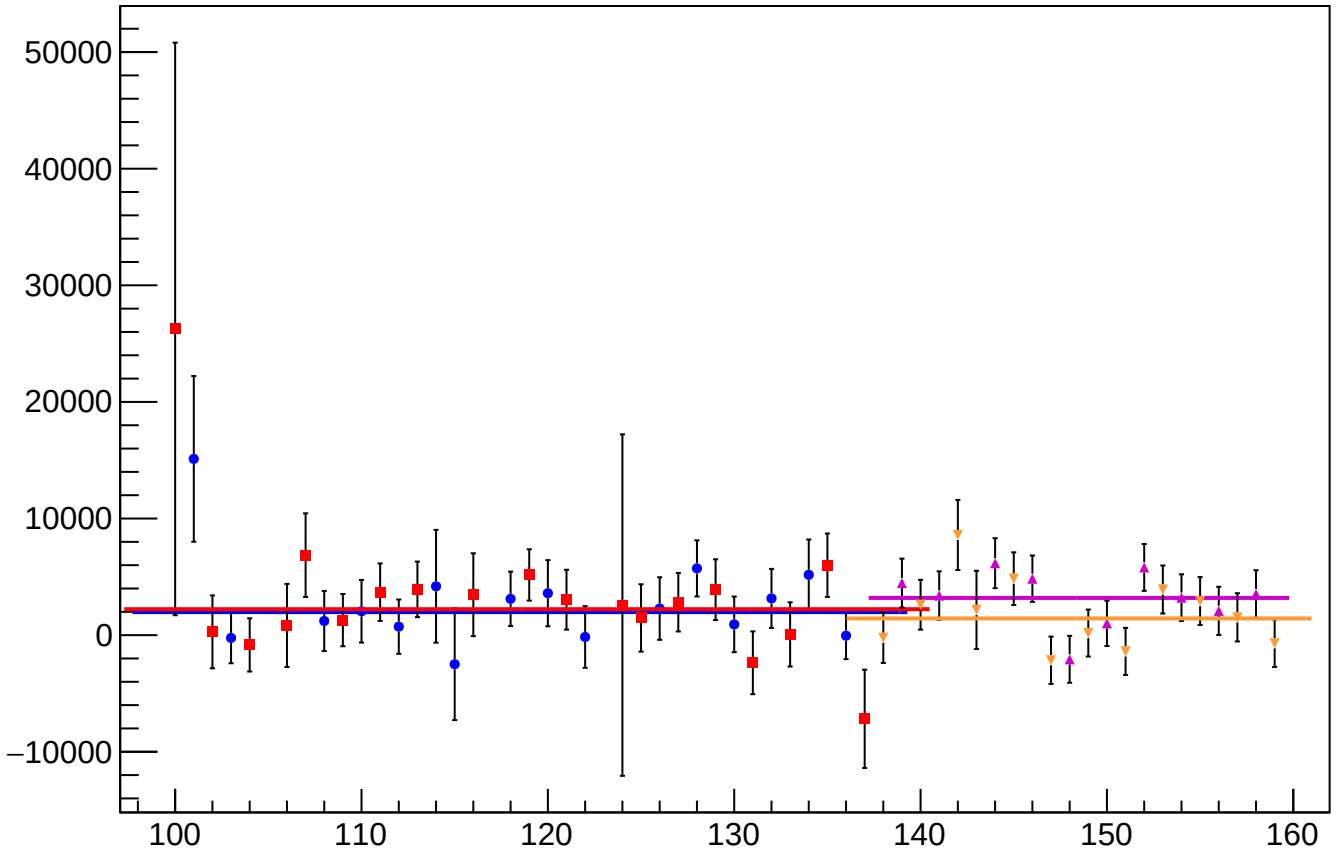
Left: 2599.530+/-0.546 χ^2/NDF: 13557616.2/21

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3637.863+/-0.678 χ^2/NDF:2893672.3/25

Out: 1668.155+/-0.394 χ^2/NDF:15756170.9/30

All: 2166.733+/-0.341 χ^2/NDF: 24960079.4/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1431.315+/-630.956 χ^2/NDF:17.4/11

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3192.923+/-643.617 χ^2/NDF:13.1/9

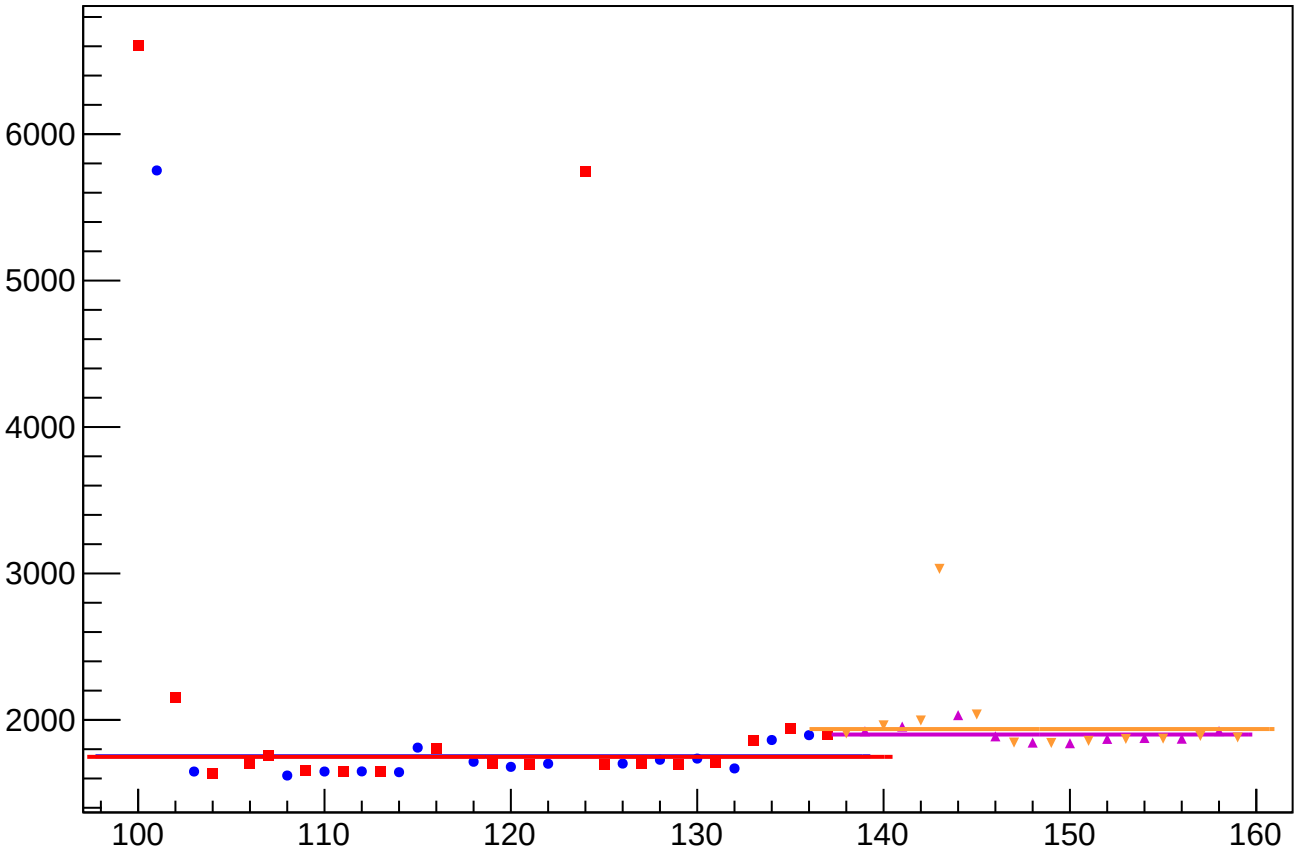
Left: 2294.622+/-450.563 χ^2/NDF: 34.4/21

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2606.786+/-463.389 χ^2/NDF:26.9/25

Out: 1813.154+/-454.845 χ^2/NDF:37.2/30

All: 2202.586+/-324.603 χ^2/NDF: 65.6/56



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1937.590+/-0.446 χ^2/NDF:236446.4/11

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

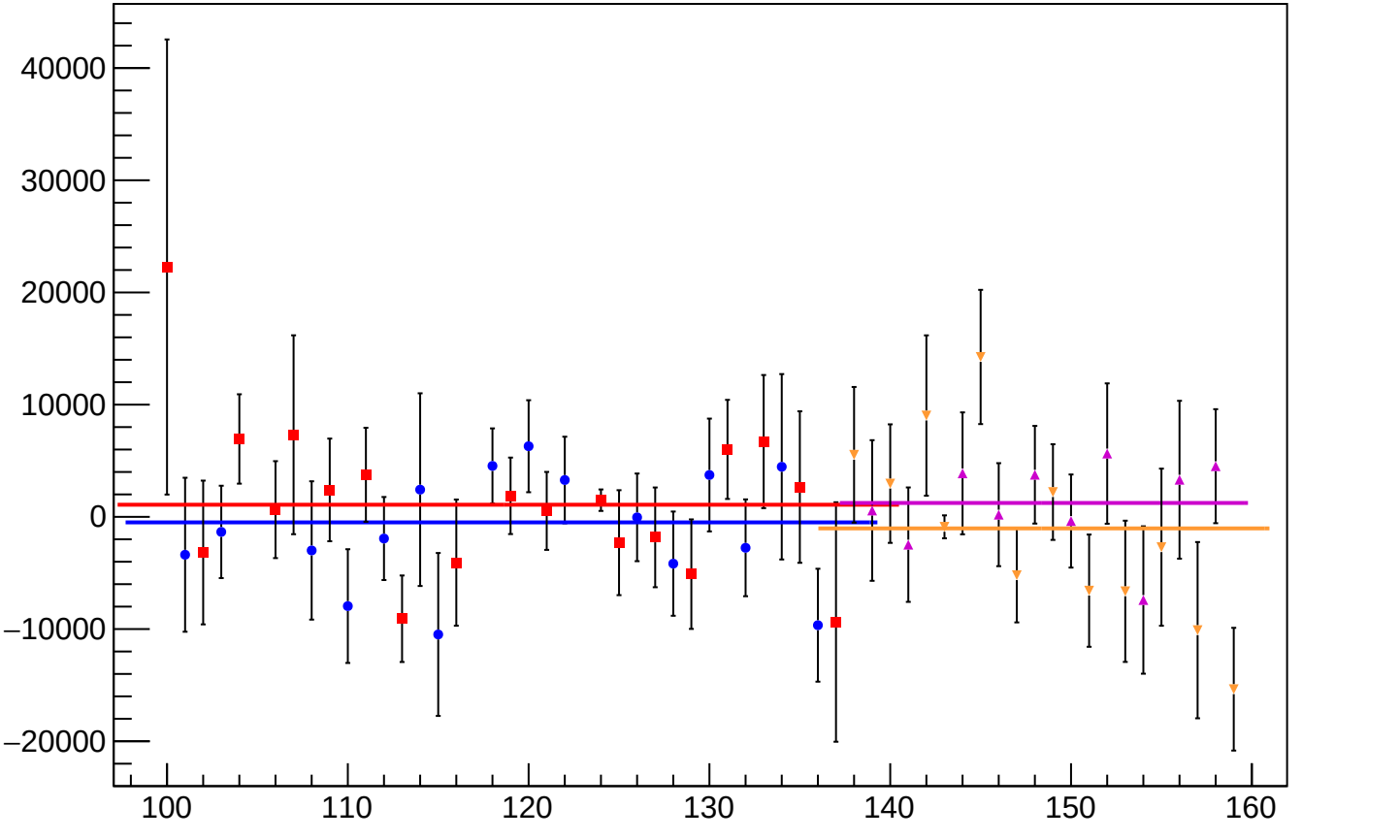
Left: 1919.269+/-0.319 χ^2/NDF: 253932.5/21

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.635+/-0.328 χ^2/NDF:736045.5/25

Out: 1846.066+/-0.321 χ^2/NDF:621635.0/30

All: 1837.529+/-0.229 χ^2/NDF: 1359124.3/56



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1029.080+/-872.301 χ^2/NDF:22.1/11

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1238.212+/-1657.833 χ^2/NDF:4.0/9

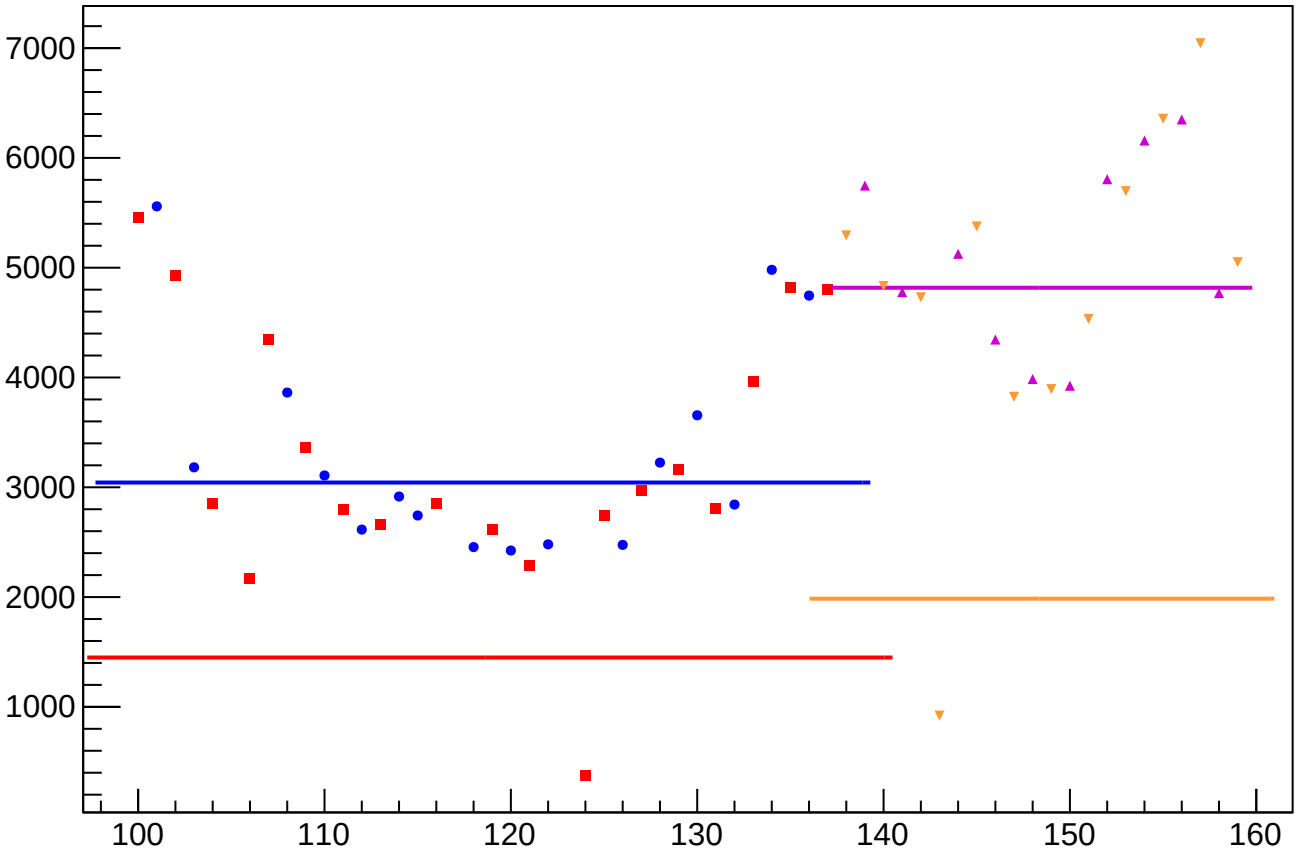
Left: -537.474+/-771.961 χ^2/NDF: 27.6/21

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 84.766+/-957.680 χ^2/NDF:20.7/25

Out: 209.805+/-560.484 χ^2/NDF:44.0/30

All: 177.904+/-483.730 χ^2/NDF: 64.8/56



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1985.388+/-0.617 χ^2/NDF:8521737.4/11

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

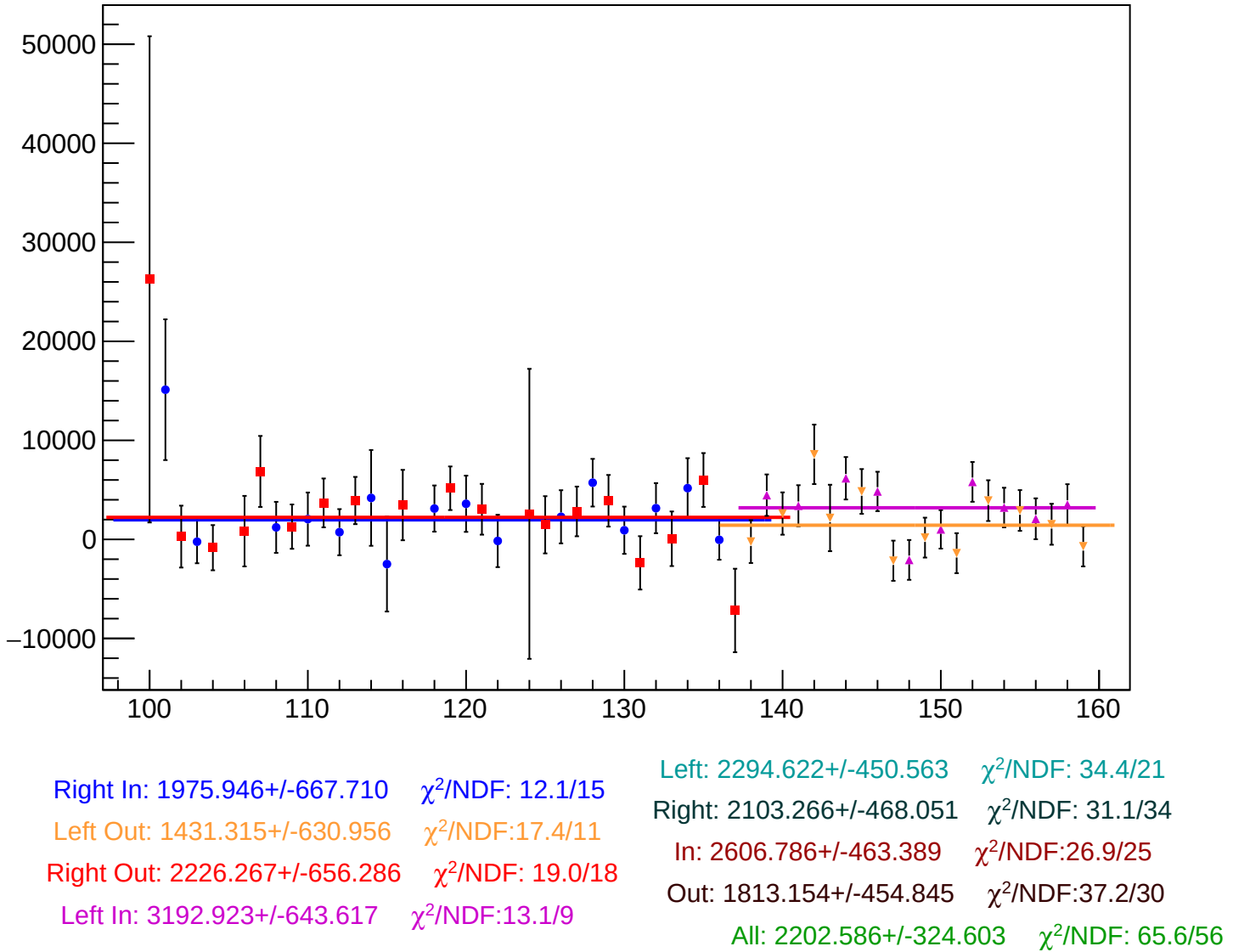
Left: 2599.430+/-0.546 χ^2/NDF: 13558289.4/21

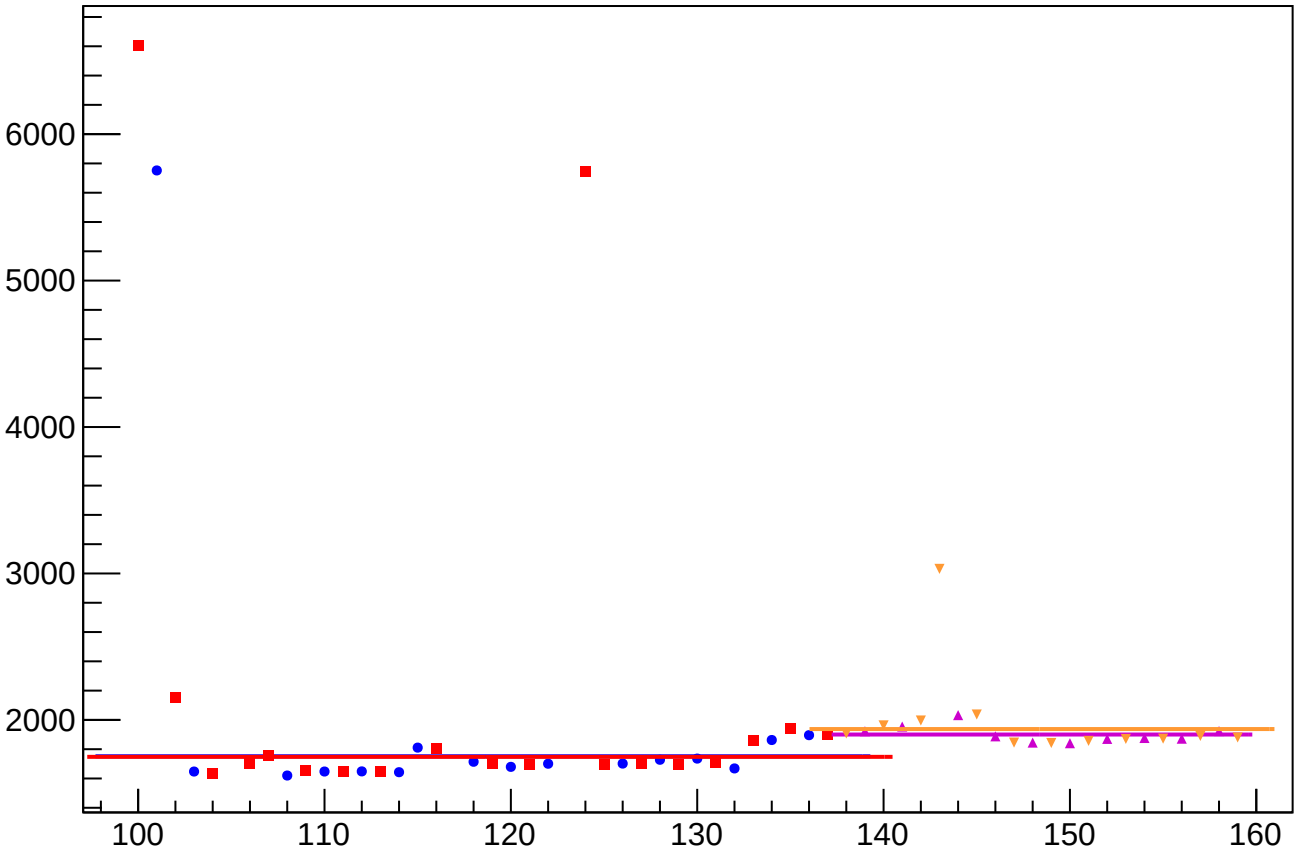
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3635.287+/-0.677 χ^2/NDF:2897539.1/25

Out: 1670.752+/-0.396 χ^2/NDF:15790621.3/30

All: 2171.967+/-0.342 χ^2/NDF: 24957012.3/5


eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 1975.946+/-667.710 χ²/NDF: 12.1/15
Left Out: 1431.315+/-630.956 χ²/NDF:17.4/11
Right Out: 2226.267+/-656.286 χ²/NDF: 19.0/18
Left In: 3192.923+/-643.617 χ²/NDF:13.1/9
Left: 2294.622+/-450.563 χ²/NDF: 34.4/21
Right: 2103.266+/-468.051 χ²/NDF: 31.1/34
In: 2606.786+/-463.389 χ²/NDF:26.9/25
Out: 1813.154+/-454.845 χ²/NDF:37.2/30
All: 2202.586+/-324.603 χ²/NDF: 65.6/56



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1937.590+/-0.446 χ^2/NDF:236446.4/11

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

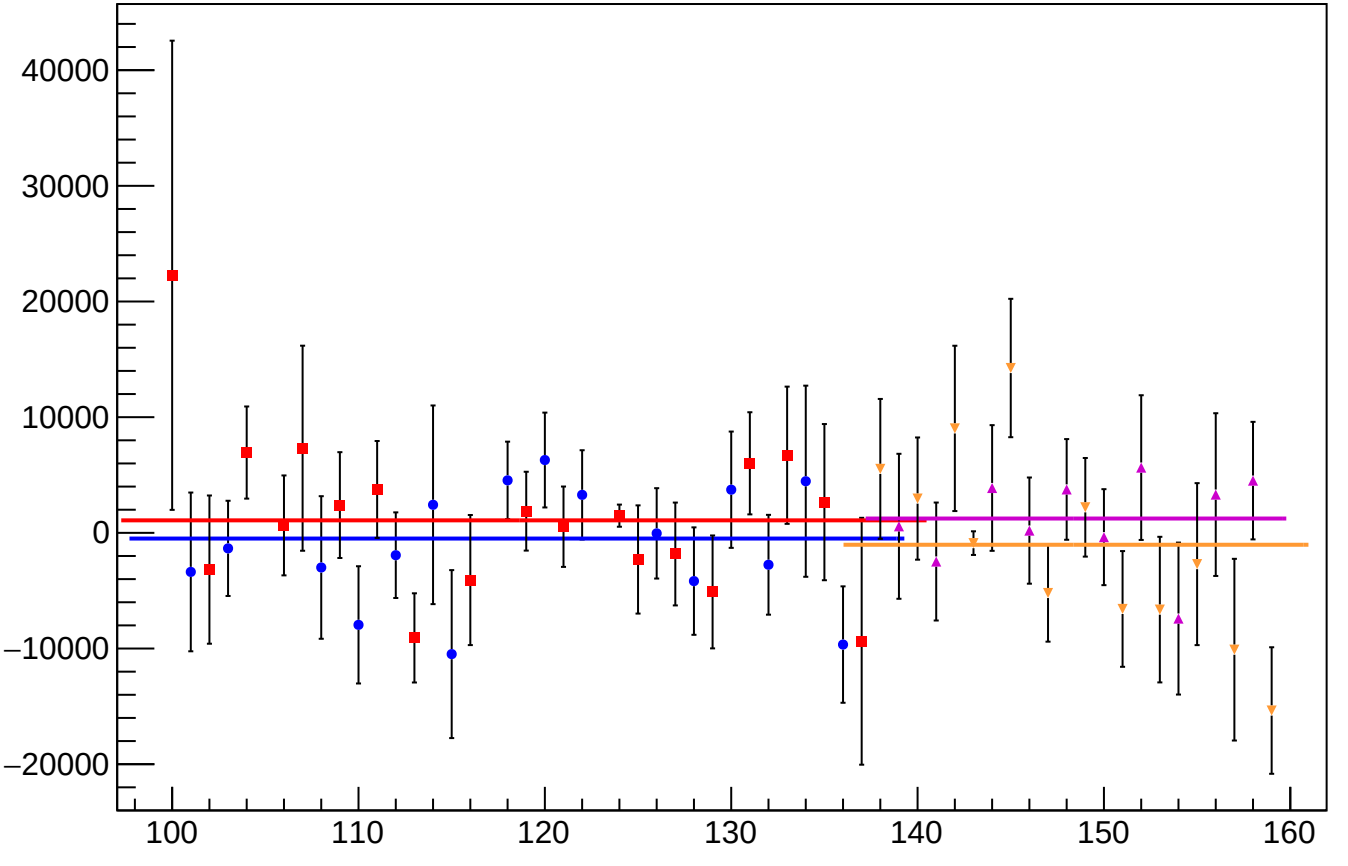
Left: 1919.269+/-0.319 χ^2/NDF: 253932.5/21

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.635+/-0.328 χ^2/NDF:736045.5/25

Out: 1846.066+/-0.321 χ^2/NDF:621635.0/30

All: 1837.529+/-0.229 χ^2/NDF: 1359124.3/56



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1029.080+/-872.301 χ^2/NDF:22.1/11

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1238.212+/-1657.833 χ^2/NDF:4.0/9

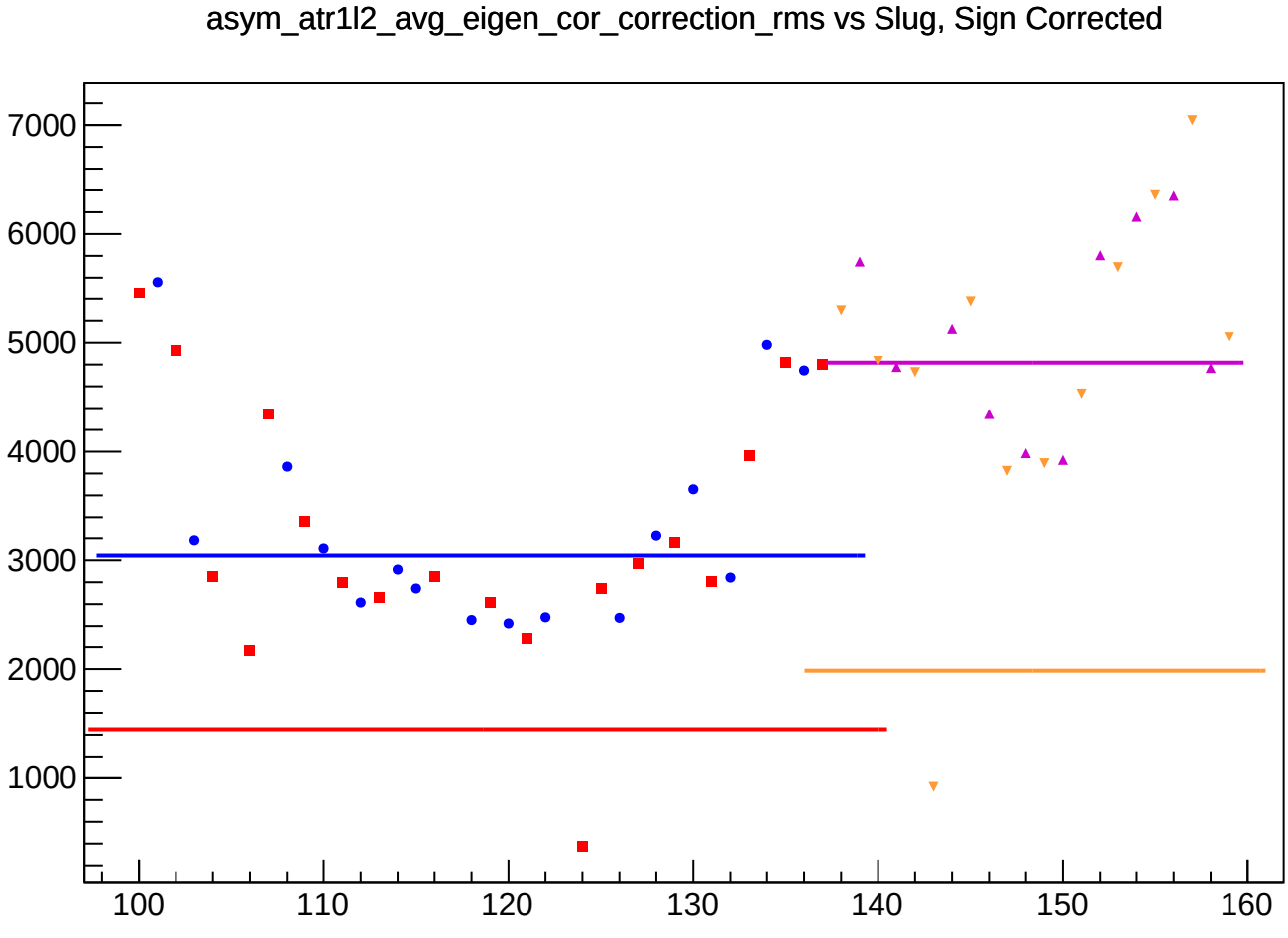
Left: -537.474+/-771.961 χ^2/NDF: 27.6/21

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 84.766+/-957.680 χ^2/NDF:20.7/25

Out: 209.805+/-560.484 χ^2/NDF:44.0/30

All: 177.904+/-483.730 χ^2/NDF: 64.8/56



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1985.388+/-0.617 χ^2/NDF:8521737.4/11

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

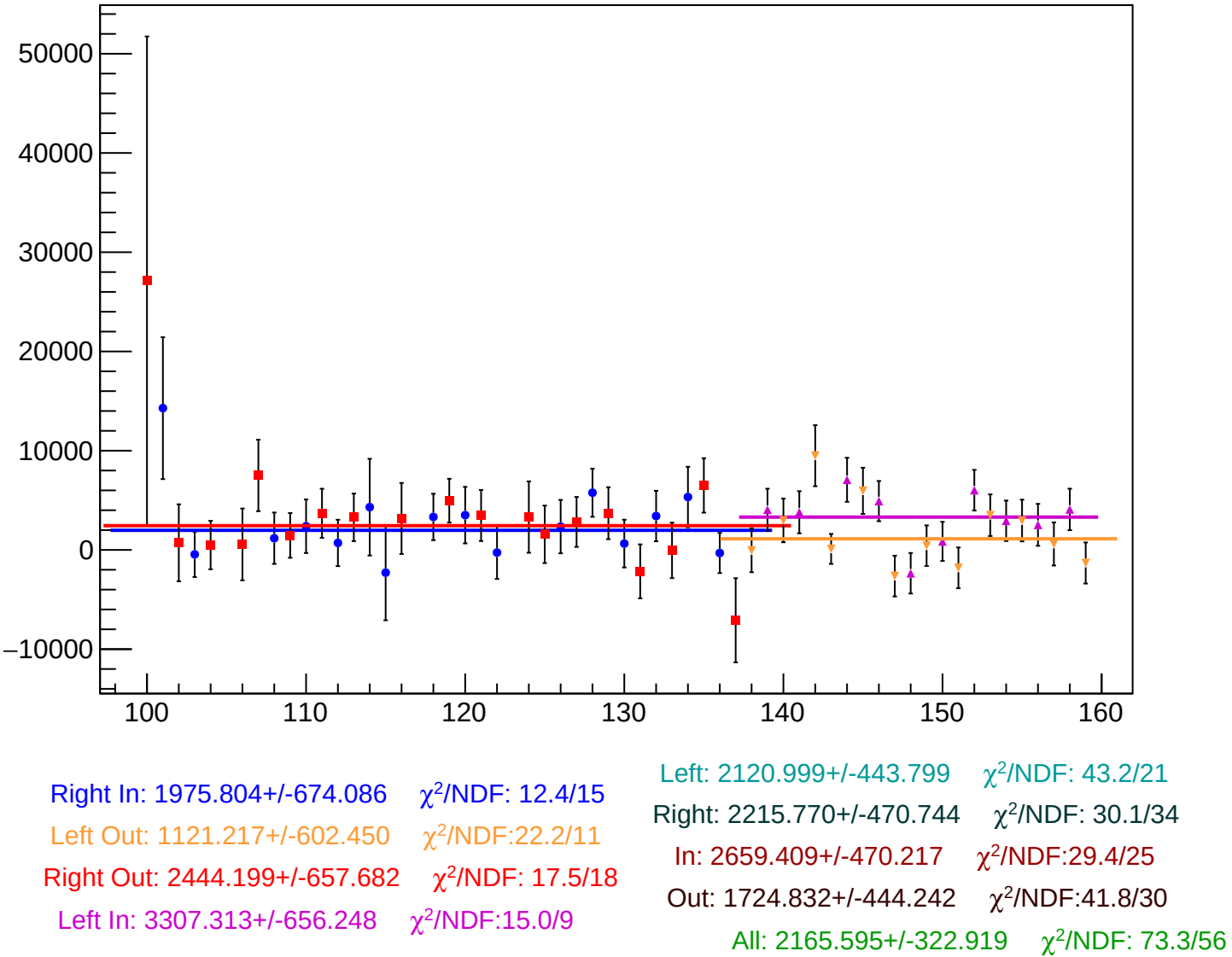
Left: 2599.430+/-0.546 χ^2/NDF: 13558289.4/21

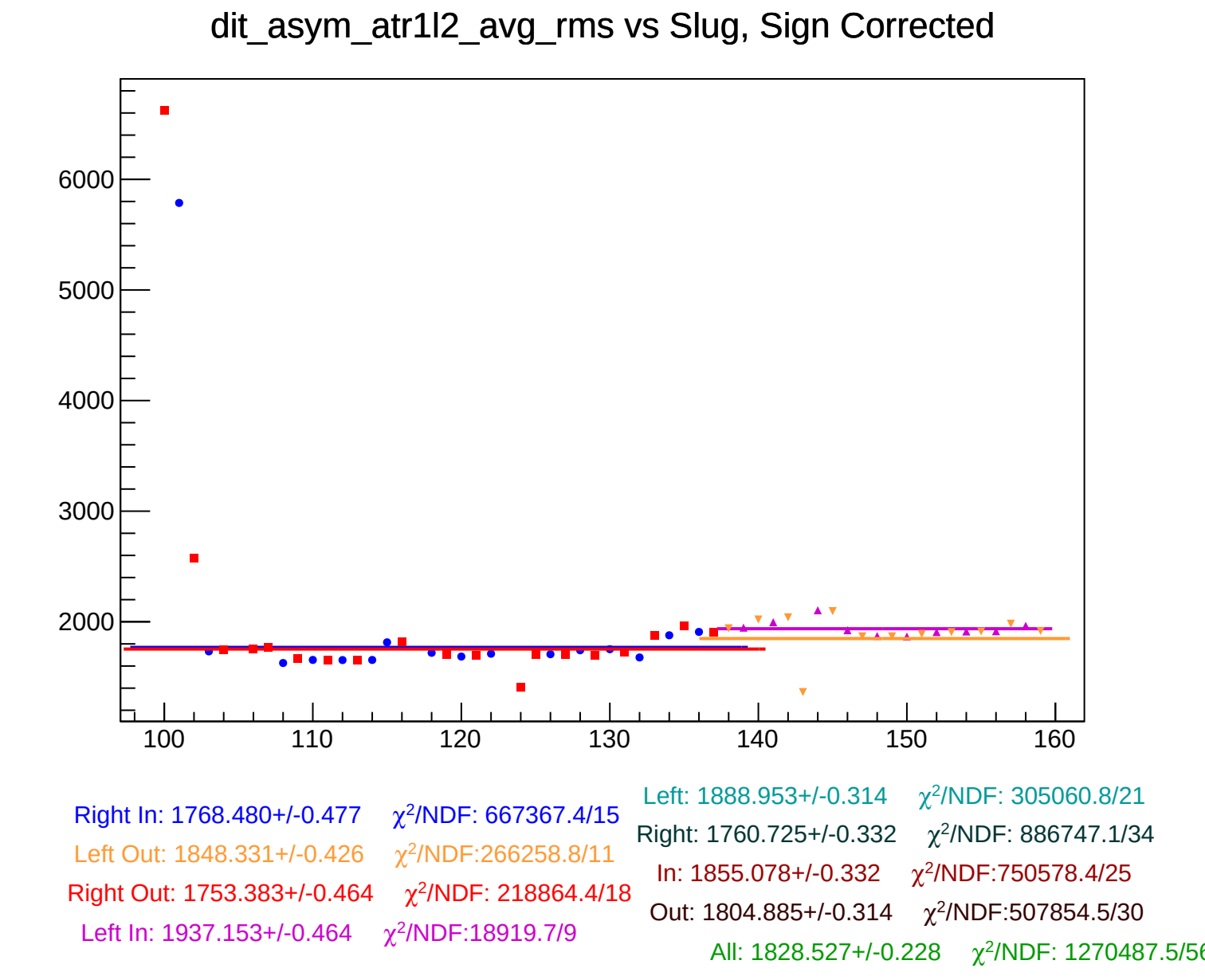
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

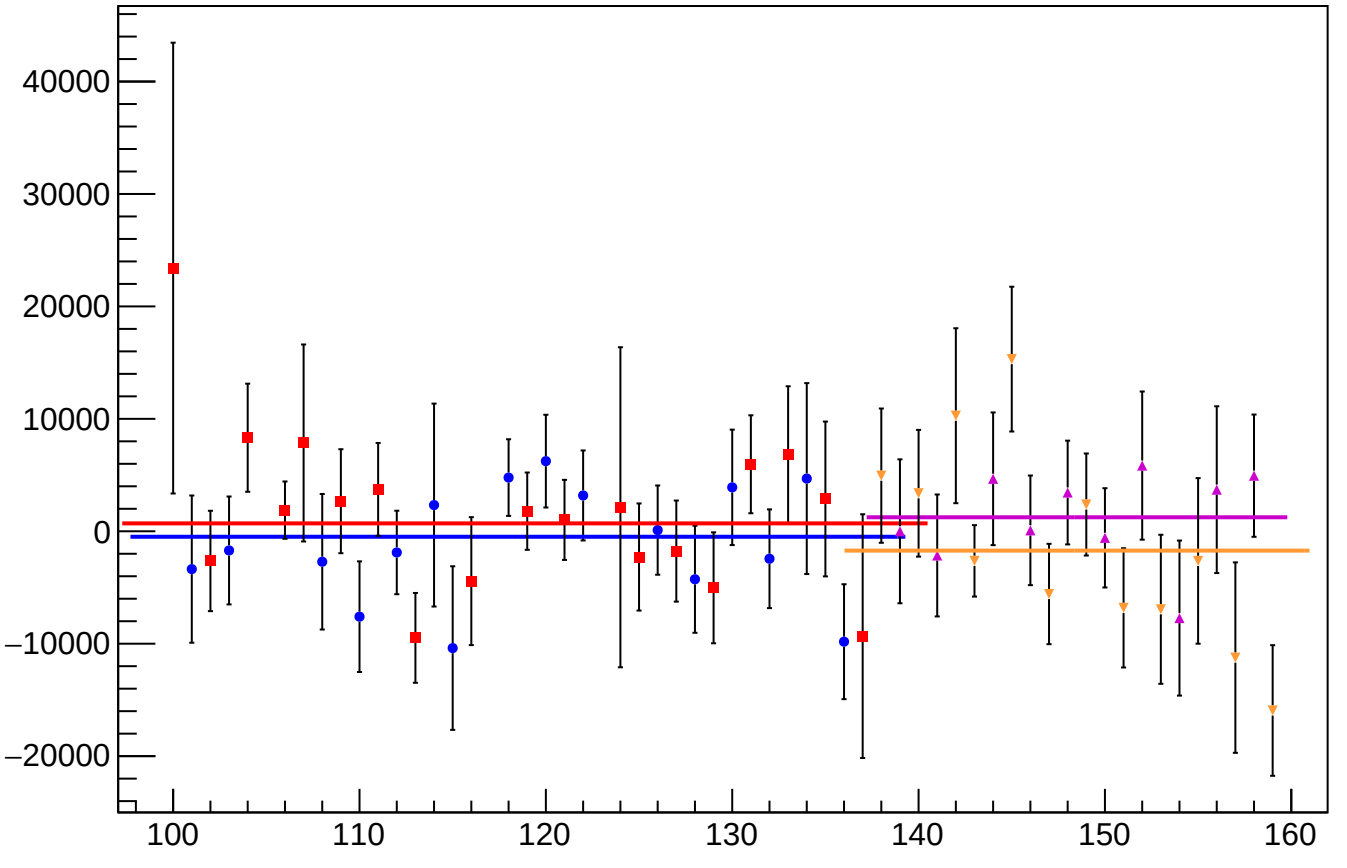
In: 3635.287+/-0.677 χ^2/NDF:2897539.1/25

Out: 1670.752+/-0.396 χ^2/NDF:15790621.3/30

All: 2171.967+/-0.342 χ^2/NDF: 24957012.3/5


dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 1975.804+/-674.086 χ²/NDF: 12.4/15
Left Out: 1121.217+/-602.450 χ²/NDF:22.2/11
Right Out: 2444.199+/-657.682 χ²/NDF: 17.5/18
Left In: 3307.313+/-656.248 χ²/NDF:15.0/9
Left: 2120.999+/-443.799 χ²/NDF: 43.2/21
Right: 2215.770+/-470.744 χ²/NDF: 30.1/34
In: 2659.409+/-470.217 χ²/NDF:29.4/25
Out: 1724.832+/-444.242 χ²/NDF:41.8/30
All: 2165.595+/-322.919 χ²/NDF: 73.3/56


dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1768.480+/-0.477 χ²/NDF: 667367.4/15
Left Out: 1848.331+/-0.426 χ²/NDF:266258.8/11
Right Out: 1753.383+/-0.464 χ²/NDF: 218864.4/18
Left In: 1937.153+/-0.464 χ²/NDF:18919.7/9
Left: 1888.953+/-0.314 χ²/NDF: 305060.8/21
Right: 1760.725+/-0.332 χ²/NDF: 886747.1/34
In: 1855.078+/-0.332 χ²/NDF:750578.4/25
Out: 1804.885+/-0.314 χ²/NDF:507854.5/30
All: 1828.527+/-0.228 χ²/NDF: 1270487.5/56



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1718.622+/-1545.975 χ^2/NDF:21.9/11

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1245.018+/-1757.984 χ^2/NDF:4.0/9

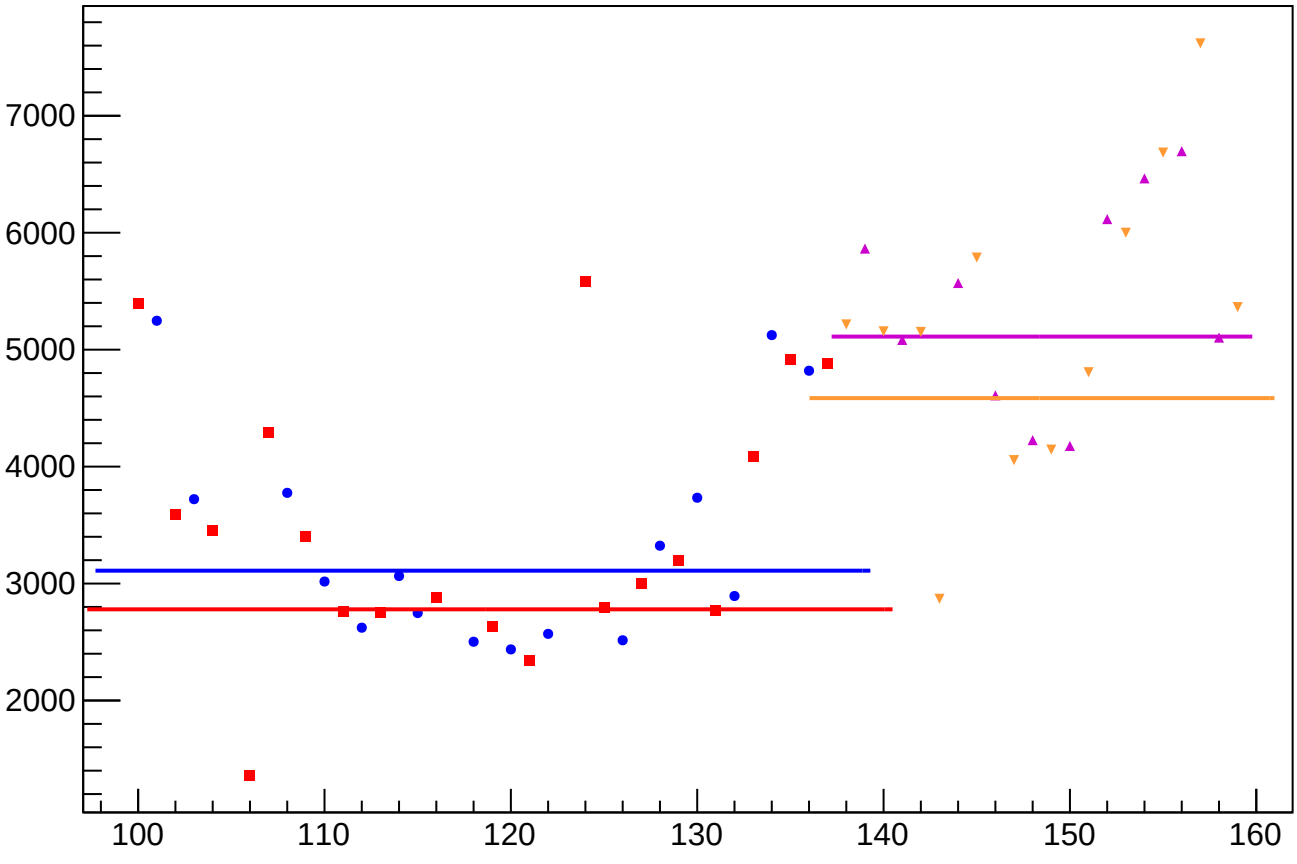
Left: -426.194+/-1160.928 χ^2/NDF: 27.5/21

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 61.824+/-990.269 χ^2/NDF:20.4/25

Out: -80.571+/-879.527 χ^2/NDF:42.4/30

All: -17.778+/-657.601 χ^2/NDF: 62.8/56



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4585.783+/-1.093 χ^2/NDF:1303397.8/11

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5111.904+/-1.243 χ^2/NDF:439213.3/9

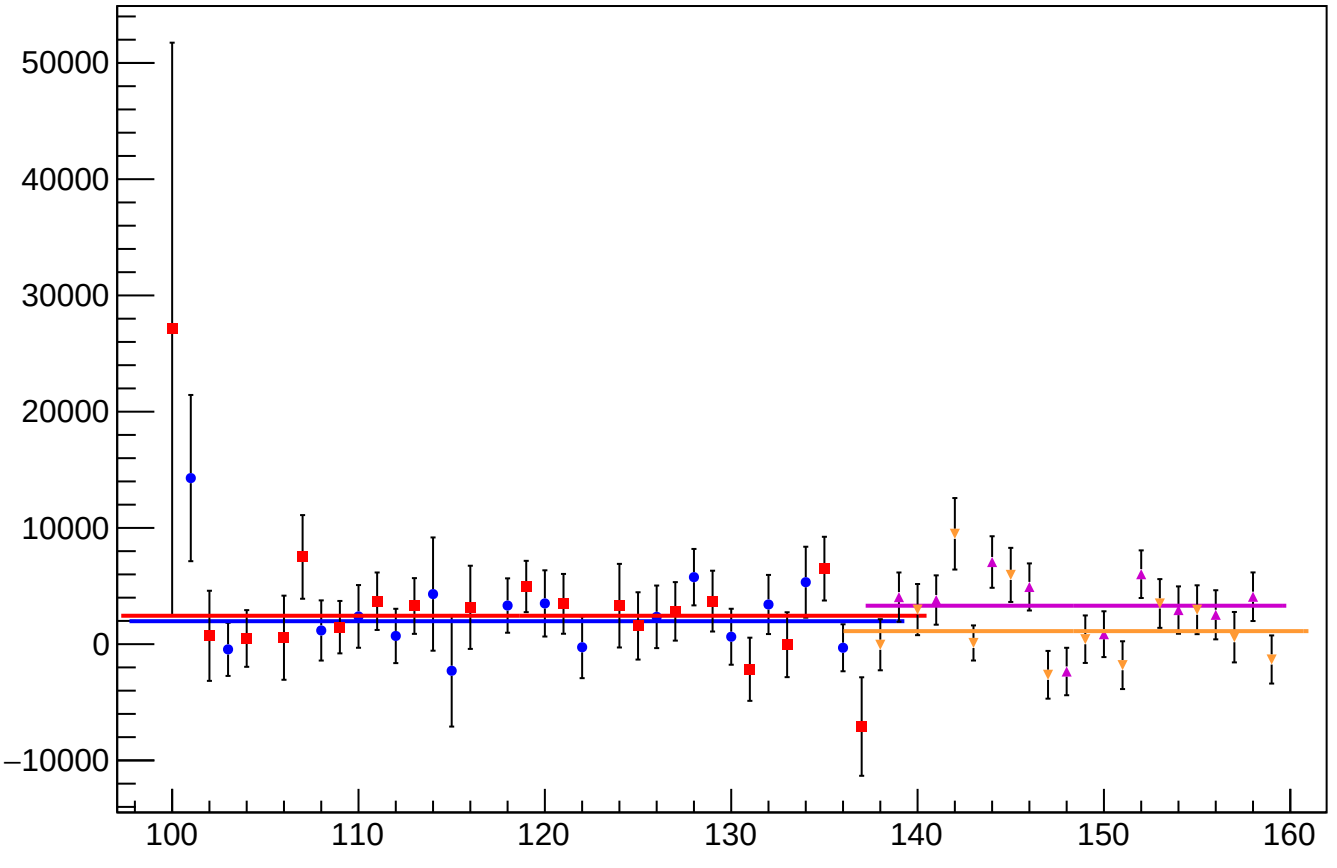
Left: 4815.222+/-0.821 χ^2/NDF: 1843624.1/21

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3745.305+/-0.700 χ^2/NDF:3092812.7/25

Out: 3364.215+/-0.622 χ^2/NDF:4497819.0/30

All: 3532.268+/-0.465 χ^2/NDF: 7756210.6/56



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1121.215+/-602.450 χ^2/NDF:22.2/11

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3307.314+/-656.248 χ^2/NDF:15.0/9

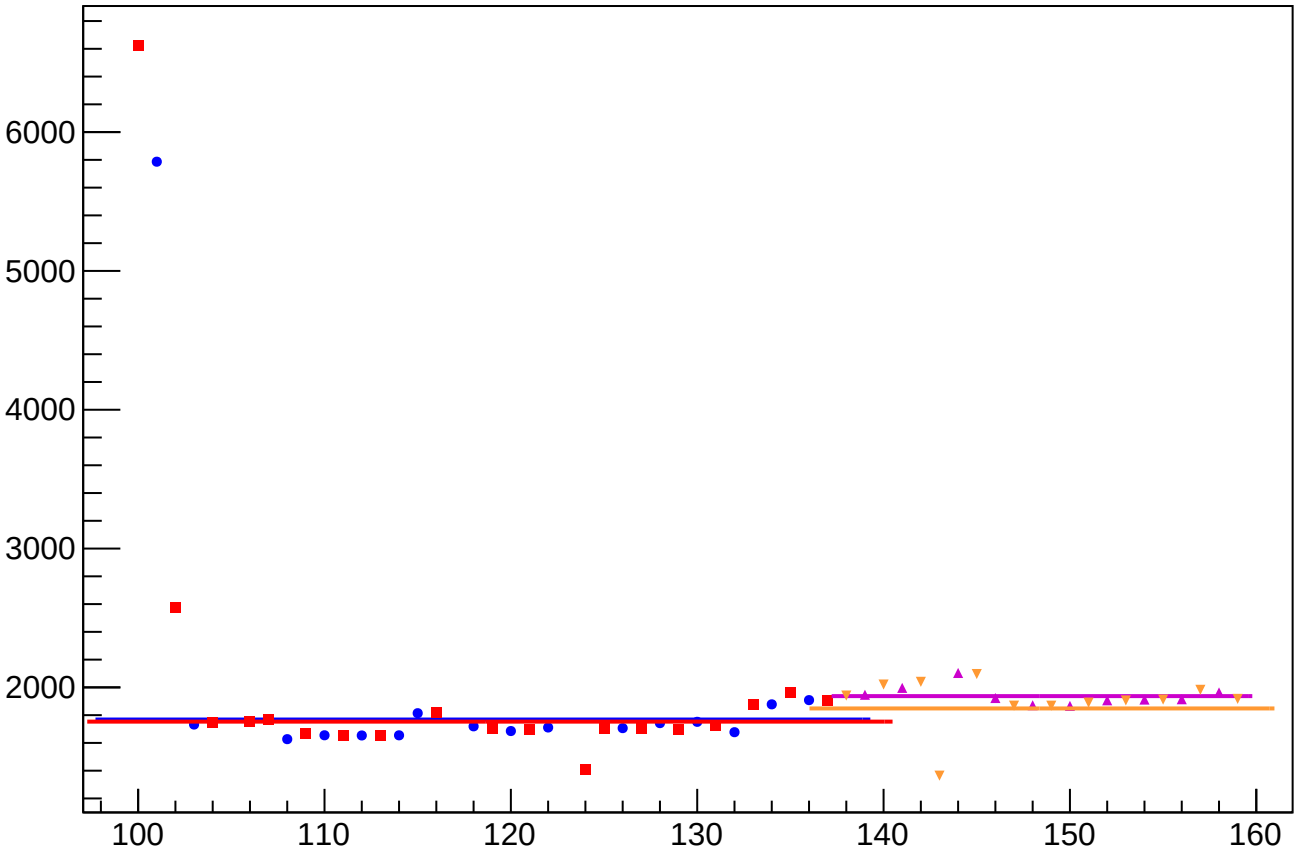
Left: 2120.999+/-443.799 χ^2/NDF: 43.2/21

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2659.410+/-470.218 χ^2/NDF:29.4/25

Out: 1724.831+/-444.242 χ^2/NDF:41.8/30

All: 2165.595+/-322.919 χ^2/NDF: 73.3/56



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1848.332+/-0.426 χ^2/NDF:266260.2/11

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1937.154+/-0.464 χ^2/NDF:18920.0/9

Left: 1888.954+/-0.314 χ^2/NDF: 305062.5/21

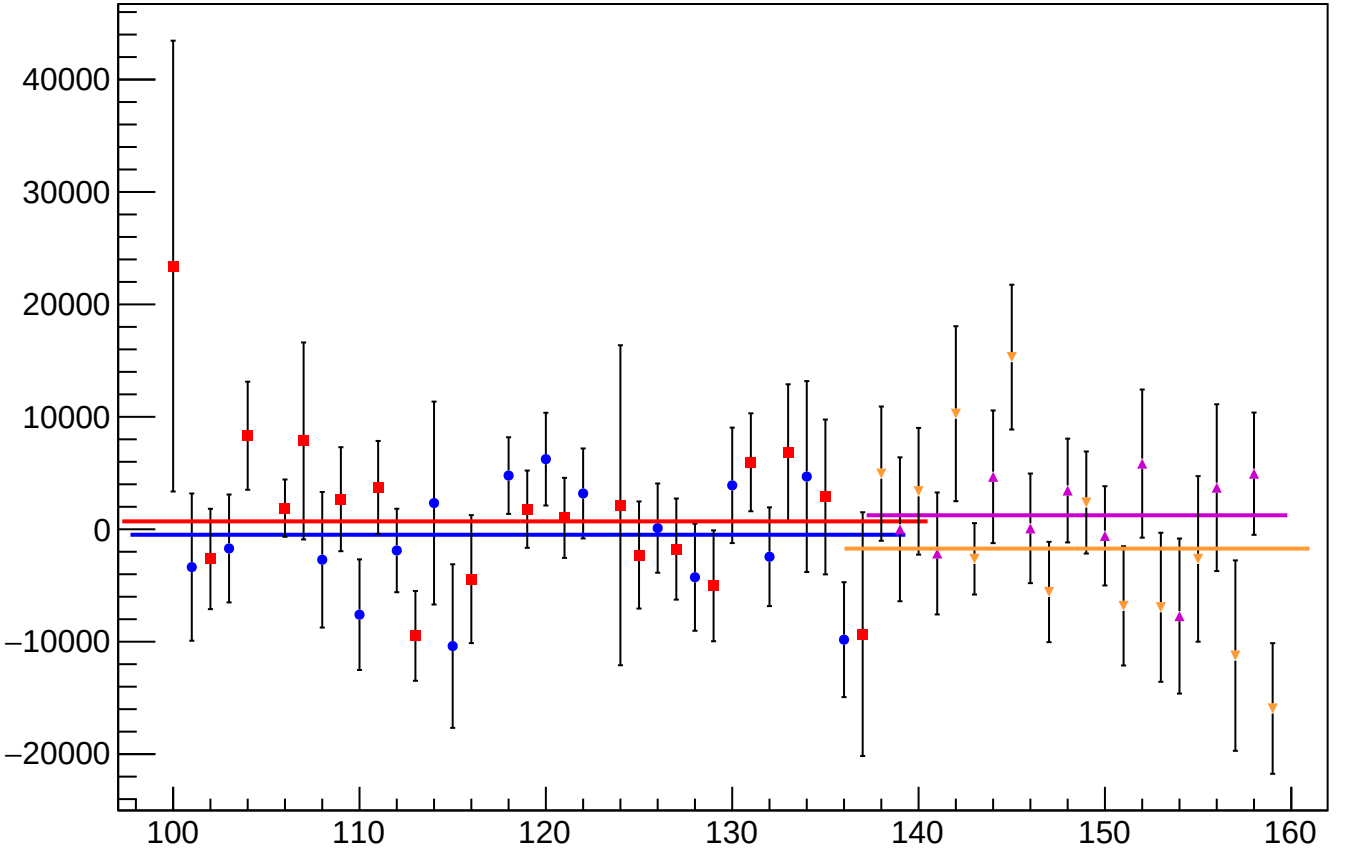
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1855.078+/-0.332 χ^2/NDF:750579.4/25

Out: 1804.886+/-0.314 χ^2/NDF:507856.3/30

All: 1828.527+/-0.228 χ^2/NDF: 1270490.5/56

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1718.629+/-1545.976 χ^2/NDF:21.9/11

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1245.020+/-1757.986 χ^2/NDF:4.0/9

Left: -426.197+/-1160.929 χ^2/NDF: 27.5/21

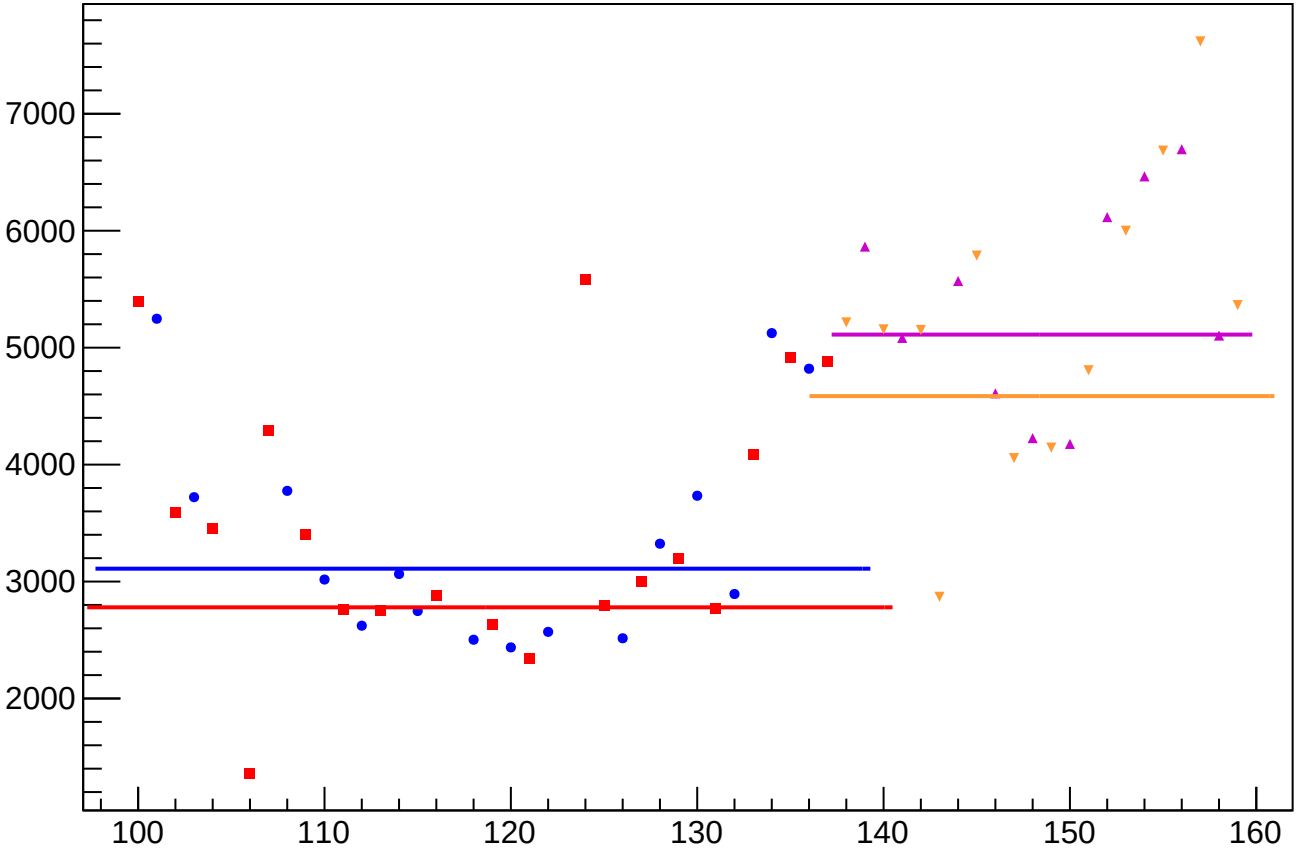
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 61.826+/-990.268 χ^2/NDF:20.4/25

Out: -80.567+/-879.525 χ^2/NDF:42.4/30

All: -17.775+/-657.600 χ^2/NDF: 62.8/56

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4585.787+/-1.093 χ^2/NDF:1303404.4/11

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5111.909+/-1.243 χ^2/NDF:439216.7/9

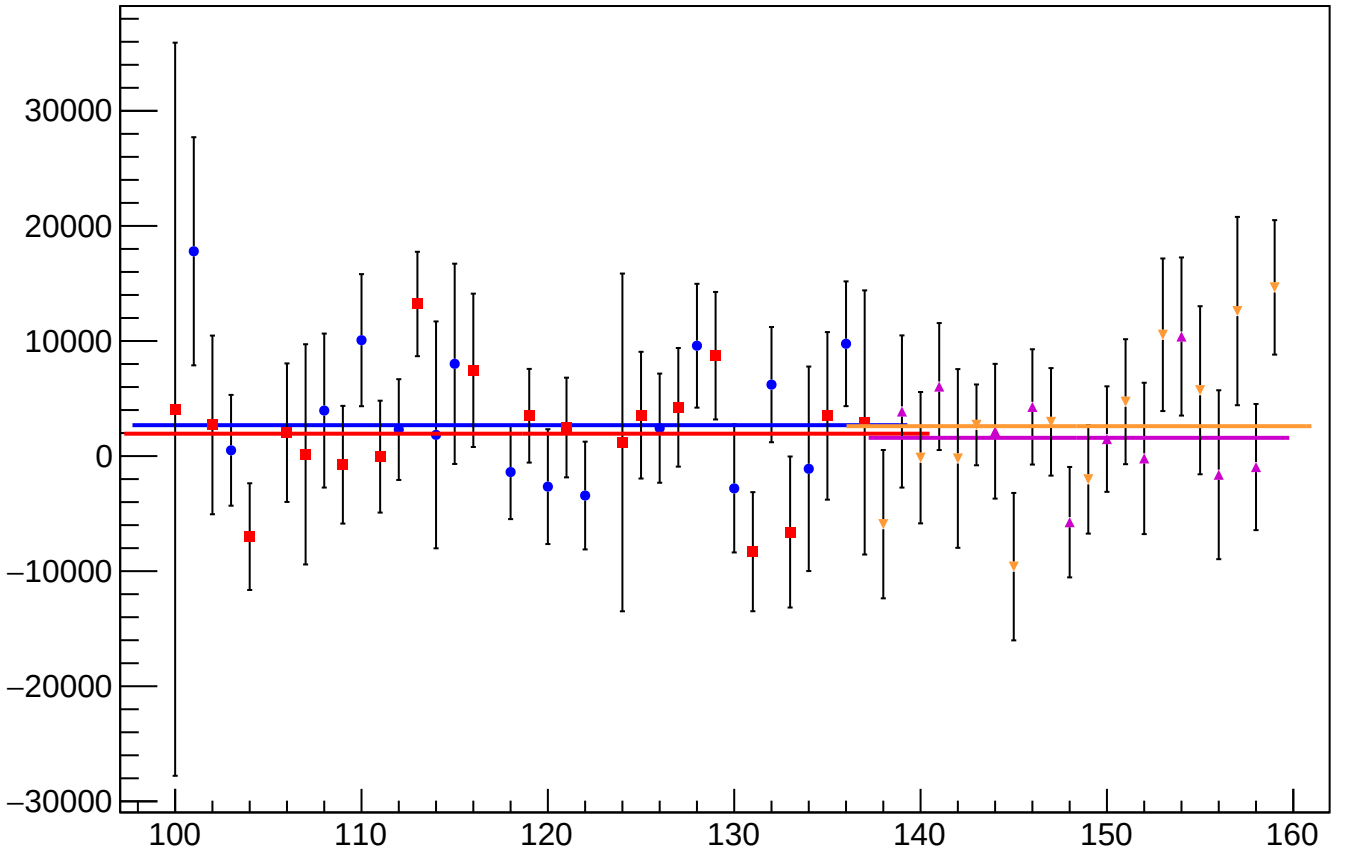
Left: 4815.226+/-0.821 χ^2/NDF: 1843634.6/21

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3745.295+/-0.700 χ^2/NDF:3092856.2/25

Out: 3364.204+/-0.622 χ^2/NDF:4497880.5/30

All: 3532.257+/-0.465 χ^2/NDF: 7756317.9/56



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2598.662+/-1607.154 χ^2/NDF:14.2/11

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1586.496+/-1790.498 χ^2/NDF:5.5/9

Left: 2147.039+/-1196.013 χ^2/NDF: 19.9/21

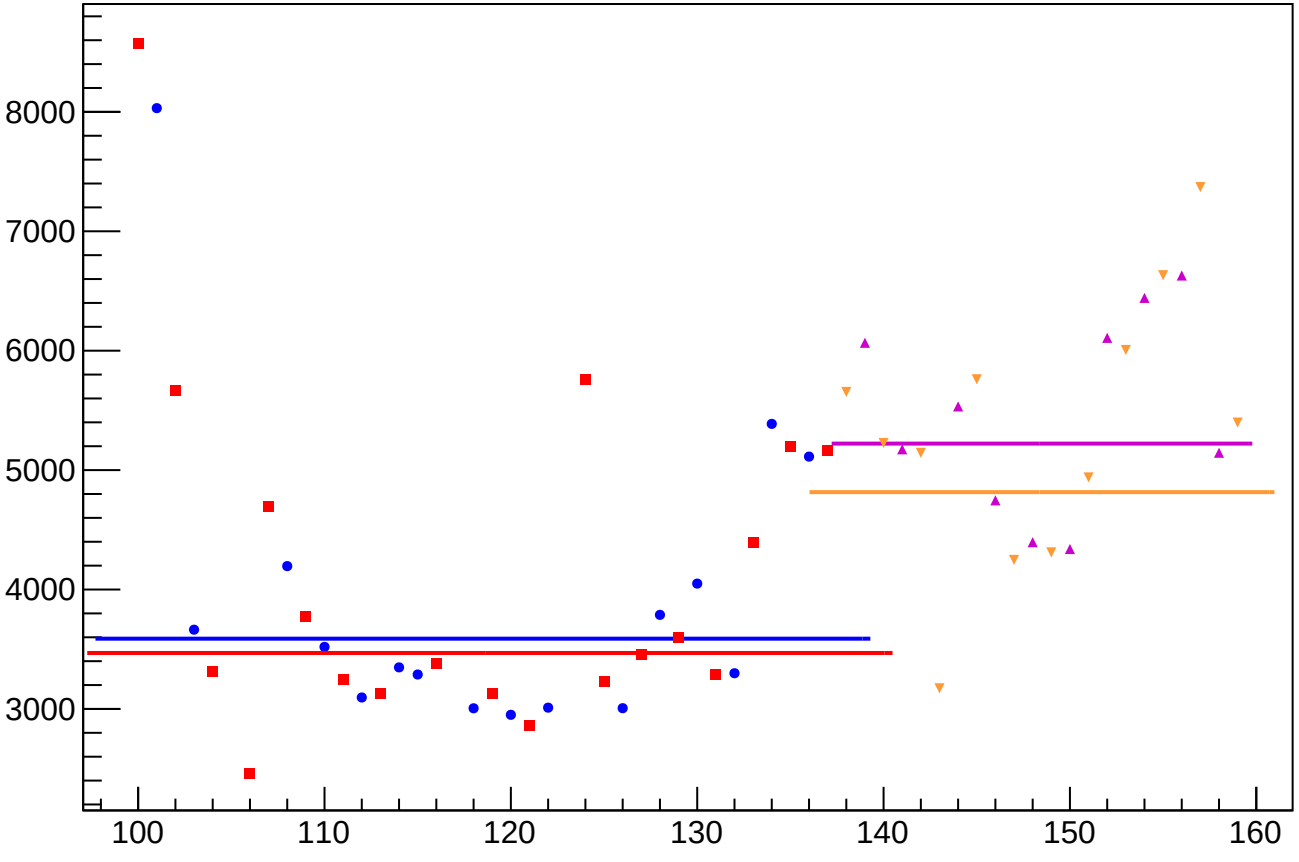
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2275.926+/-1092.980 χ^2/NDF:19.2/25

Out: 2211.808+/-1026.006 χ^2/NDF:33.0/30

All: 2241.843+/-748.053 χ^2/NDF: 52.2/56

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4815.479+/-1.136 χ^2/NDF:985493.3/11

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5222.013+/-1.266 χ^2/NDF:362997.3/9

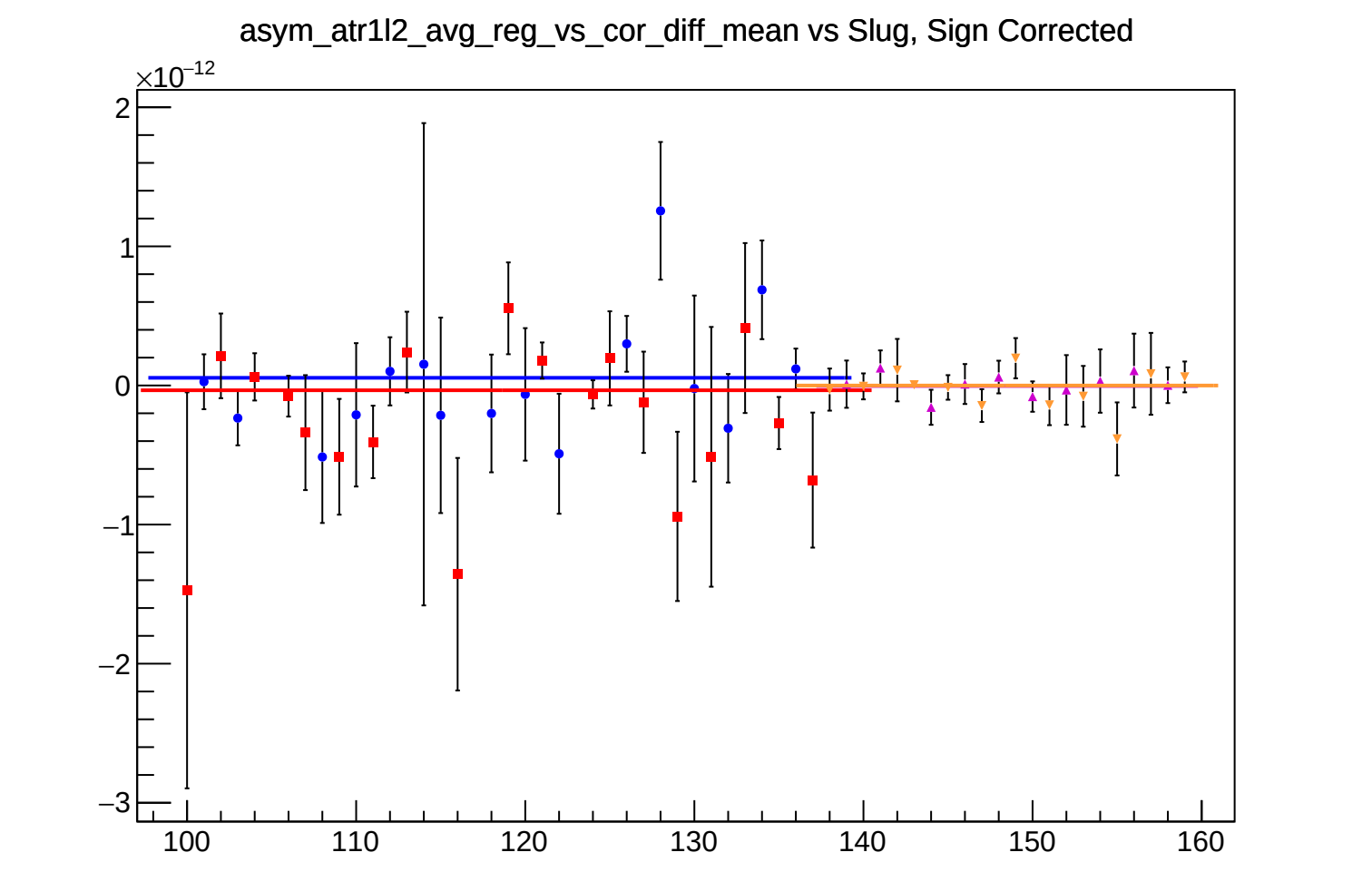
Left: 4996.872+/-0.846 χ^2/NDF: 1405590.1/21

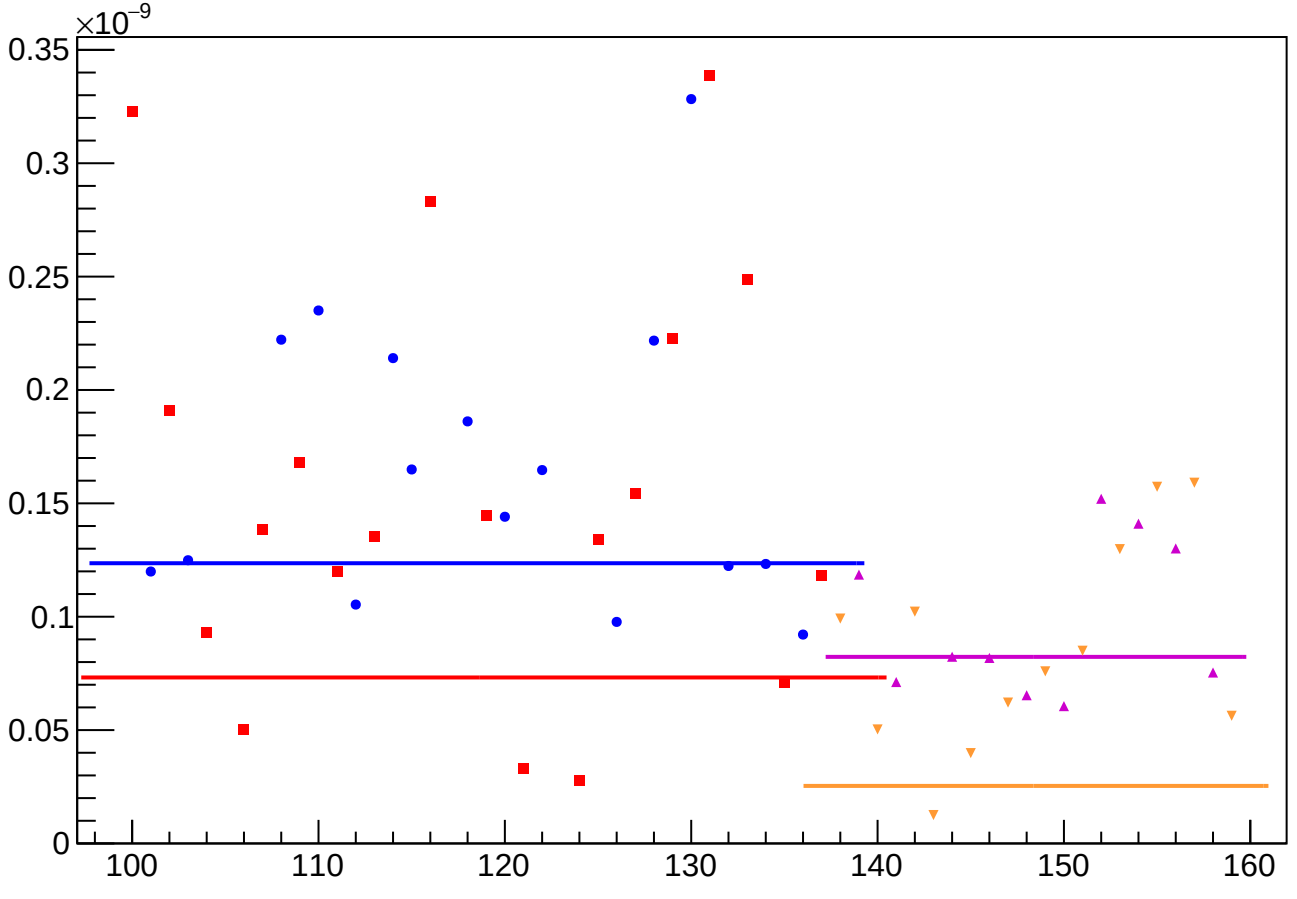
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4197.149+/-0.773 χ^2/NDF:2252670.6/25

Out: 4007.616+/-0.719 χ^2/NDF:2494542.4/30

All: 4095.537+/-0.526 χ^2/NDF: 4779455.8/56


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
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:7.3/11
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.5/9
Left: -0.000+/-0.000 χ²/NDF: 10.8/21
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:21.7/25
Out: -0.000+/-0.000 χ²/NDF:29.9/30
All: -0.000+/-0.000 χ²/NDF: 51.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3868280.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:586318.1/9

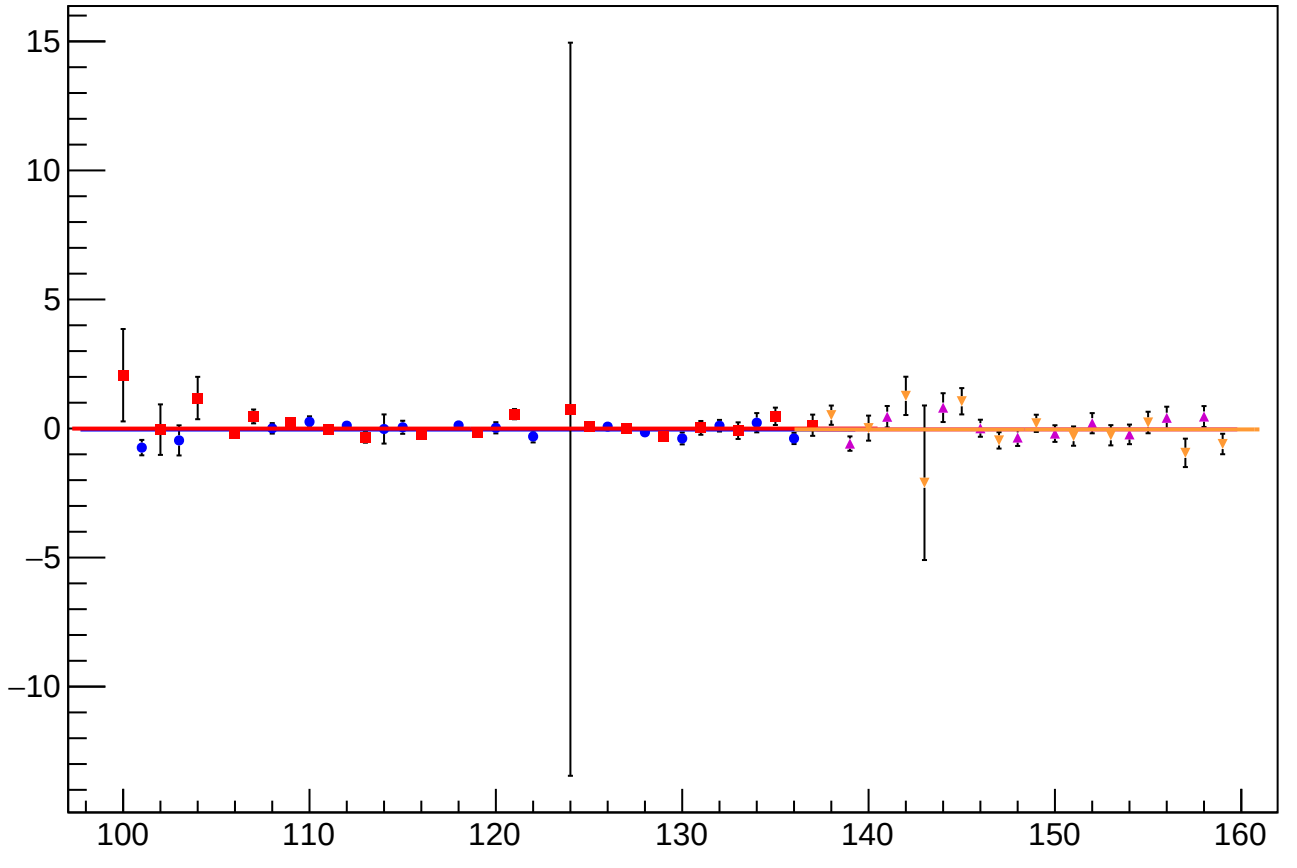
Left: 0.000+/-0.000 χ^2/NDF: 7055116.9/21

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1705995.8/25

Out: 0.000+/-0.000 χ^2/NDF:7477704.6/30

All: 0.000+/-0.000 χ^2/NDF: 13449983.6/56



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

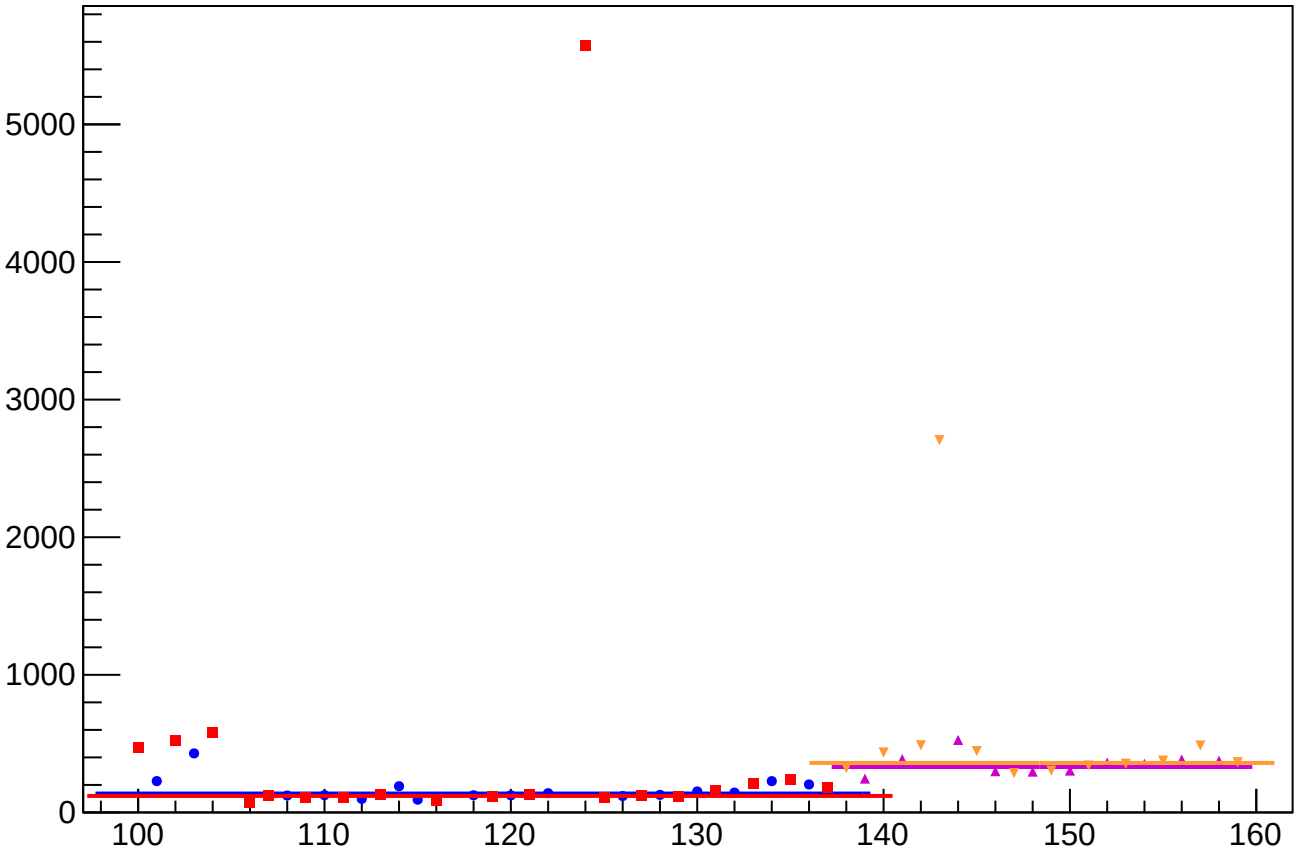
Left: -0.034+/-0.084 χ^2/NDF: 30.6/21

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:29.9/25

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.022+/-0.034 χ^2/NDF: 77.5/56



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 360.058+/-0.088 χ^2/NDF:1694152.8/11

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

Left: 344.093+/-0.060 χ^2/NDF: 2355990.5/21

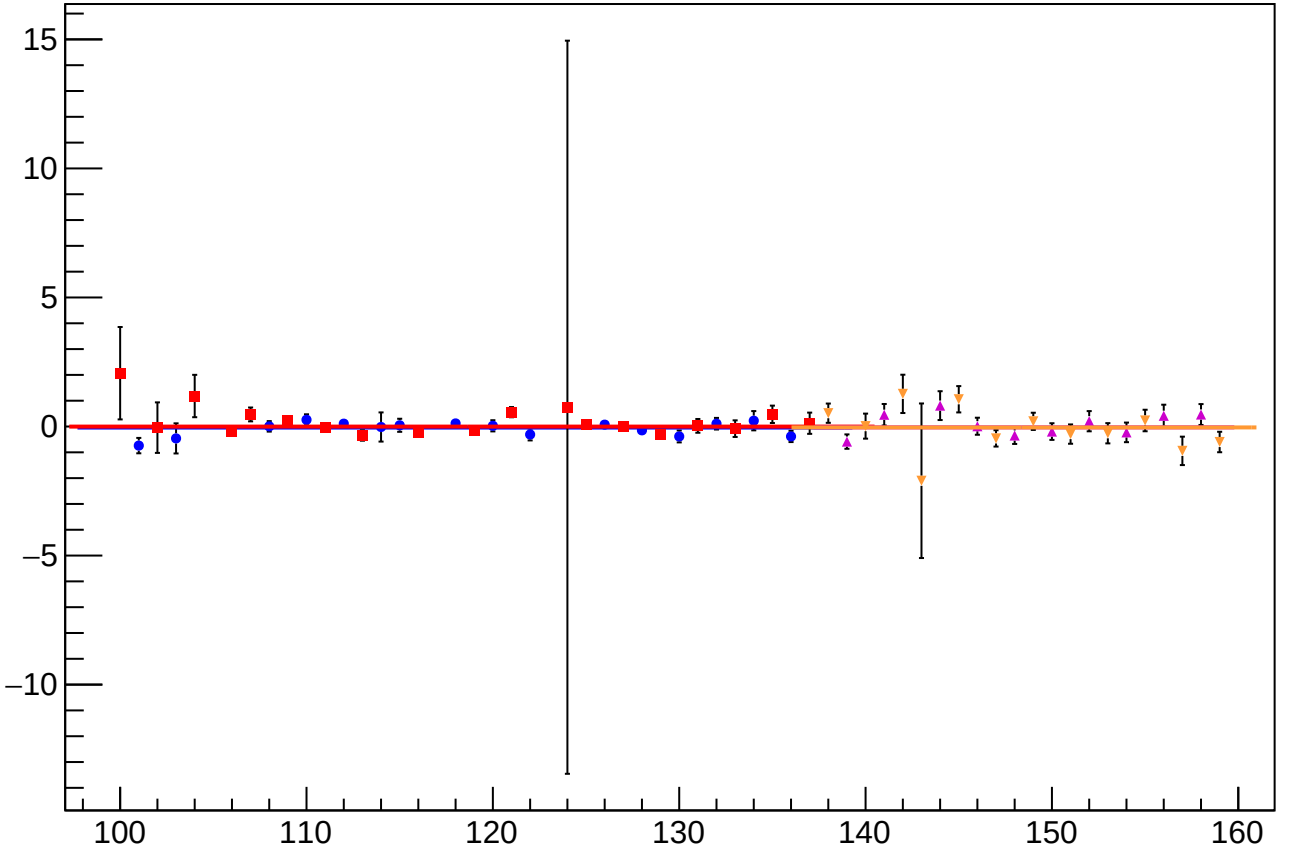
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 173.914+/-0.036 χ^2/NDF:6386475.4/25

Out: 154.758+/-0.033 χ^2/NDF:10267286.9/30

All: 163.714+/-0.024 χ^2/NDF: 16808473.0/56

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: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

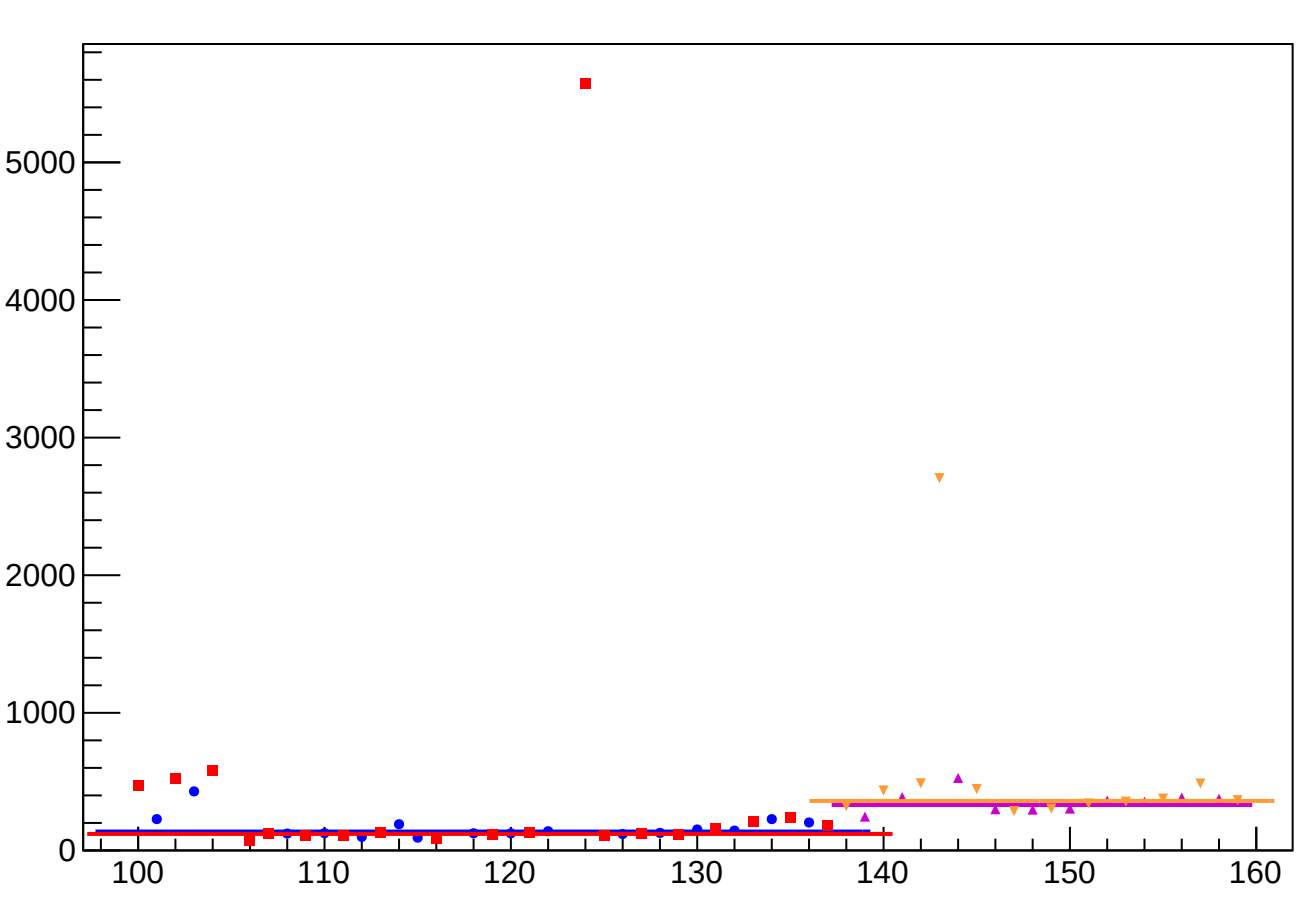
Left: -0.034+/-0.084 χ^2/NDF: 30.6/21

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:29.9/25

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.022+/-0.034 χ^2/NDF: 77.5/56



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 360.058+/-0.088 χ^2/NDF:1694152.8/11

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

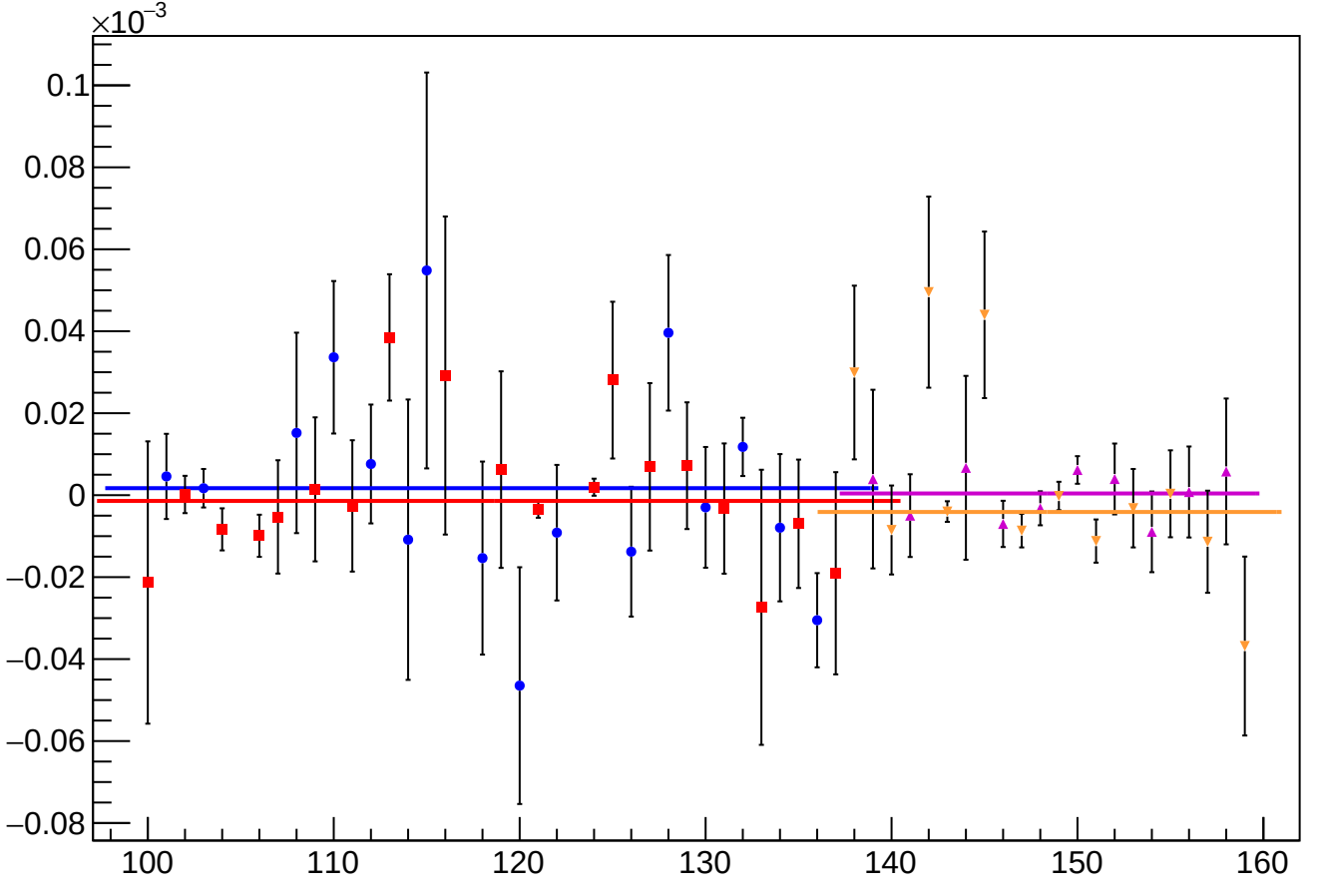
Left: 344.093+/-0.060 χ^2/NDF: 2355990.5/21

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 173.914+/-0.036 χ^2/NDF:6386475.4/25

Out: 154.758+/-0.033 χ^2/NDF:10267286.9/30

All: 163.714+/-0.024 χ^2/NDF: 16808473.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/9

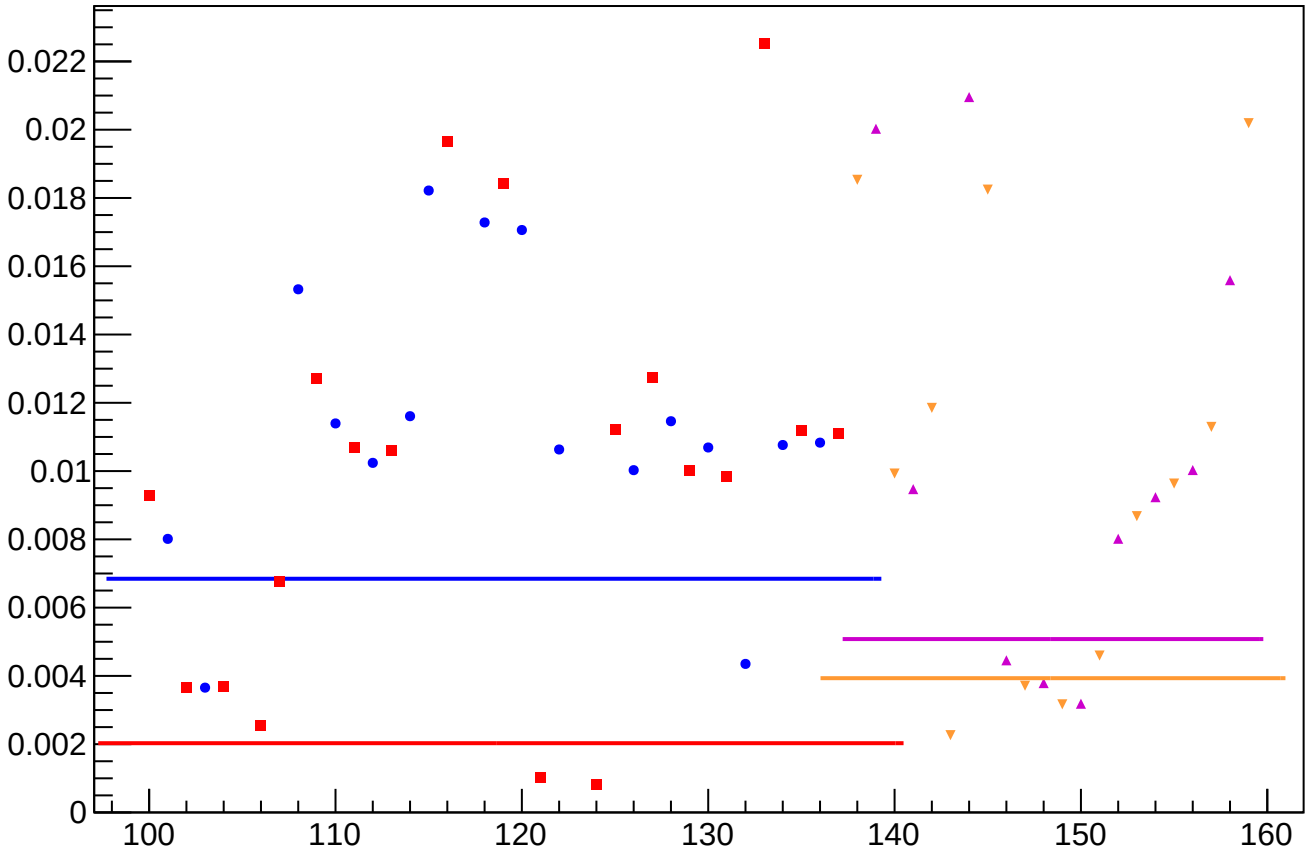
Left: -0.000+/-0.000 χ^2/NDF: 30.6/21

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:30.9/25

Out: -0.000+/-0.000 χ^2/NDF:42.7/30

All: -0.000+/-0.000 χ^2/NDF: 76.3/56



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:6673356.3/11

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4855615.7/9

Left: 0.004+/-0.000 χ^2/NDF: 11901846.1/21

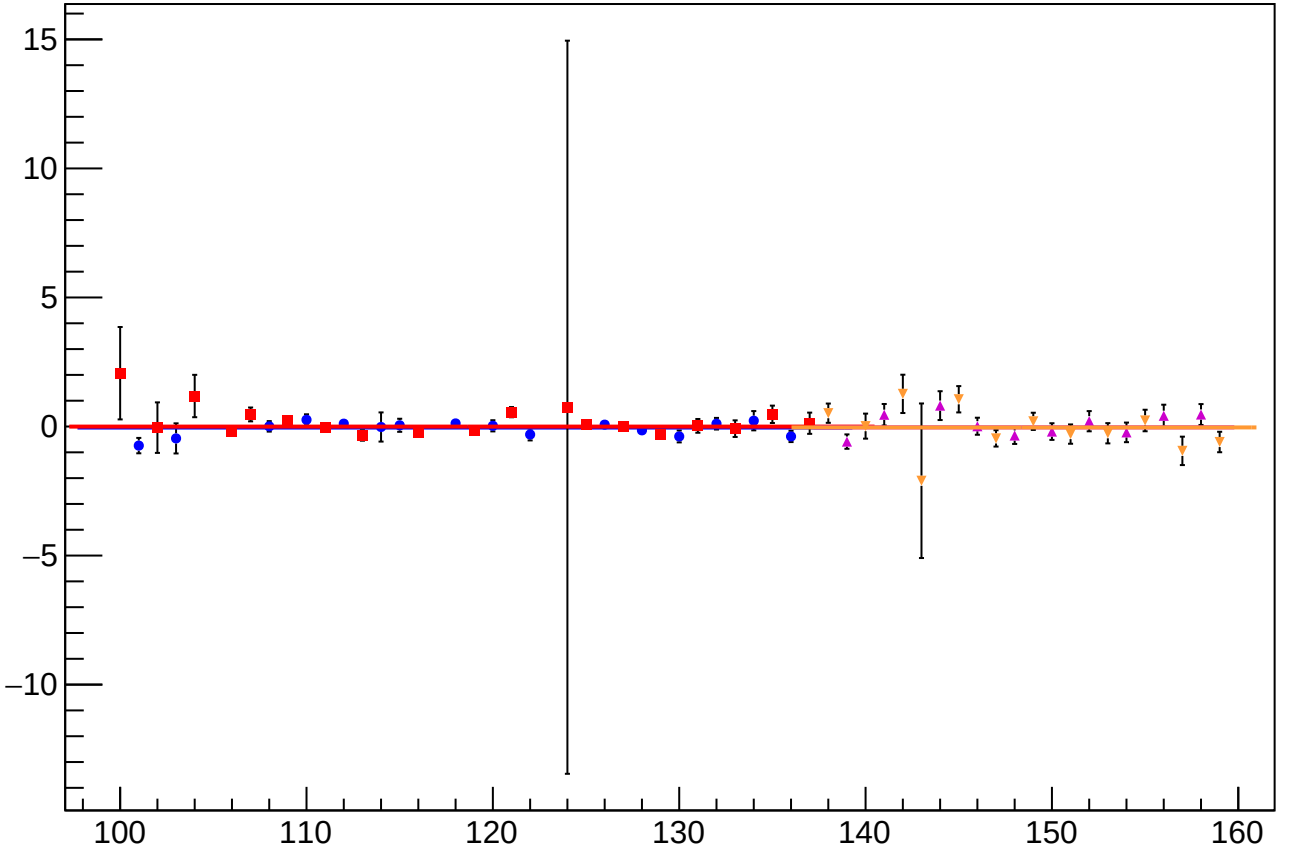
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:8558174.4/25

Out: 0.003+/-0.000 χ^2/NDF:17404597.6/30

All: 0.003+/-0.000 χ^2/NDF: 30323631.5/56

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: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

Left: -0.034+/-0.084 χ^2/NDF: 30.6/21

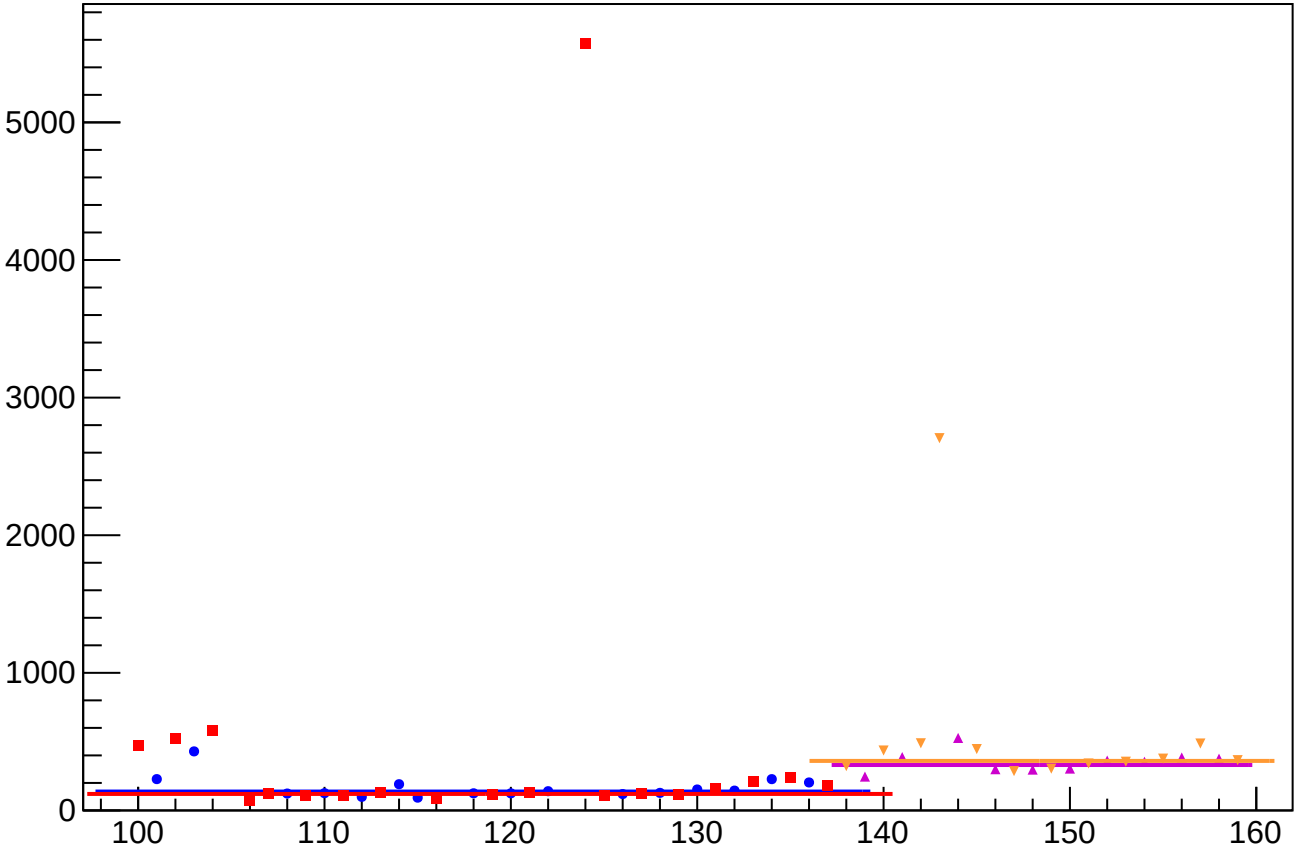
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:30.0/25

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.022+/-0.034 χ^2/NDF: 77.5/56

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 360.062+/-0.088 χ^2/NDF:1694192.3/11

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

Left: 344.097+/-0.060 χ^2/NDF: 2356019.7/21

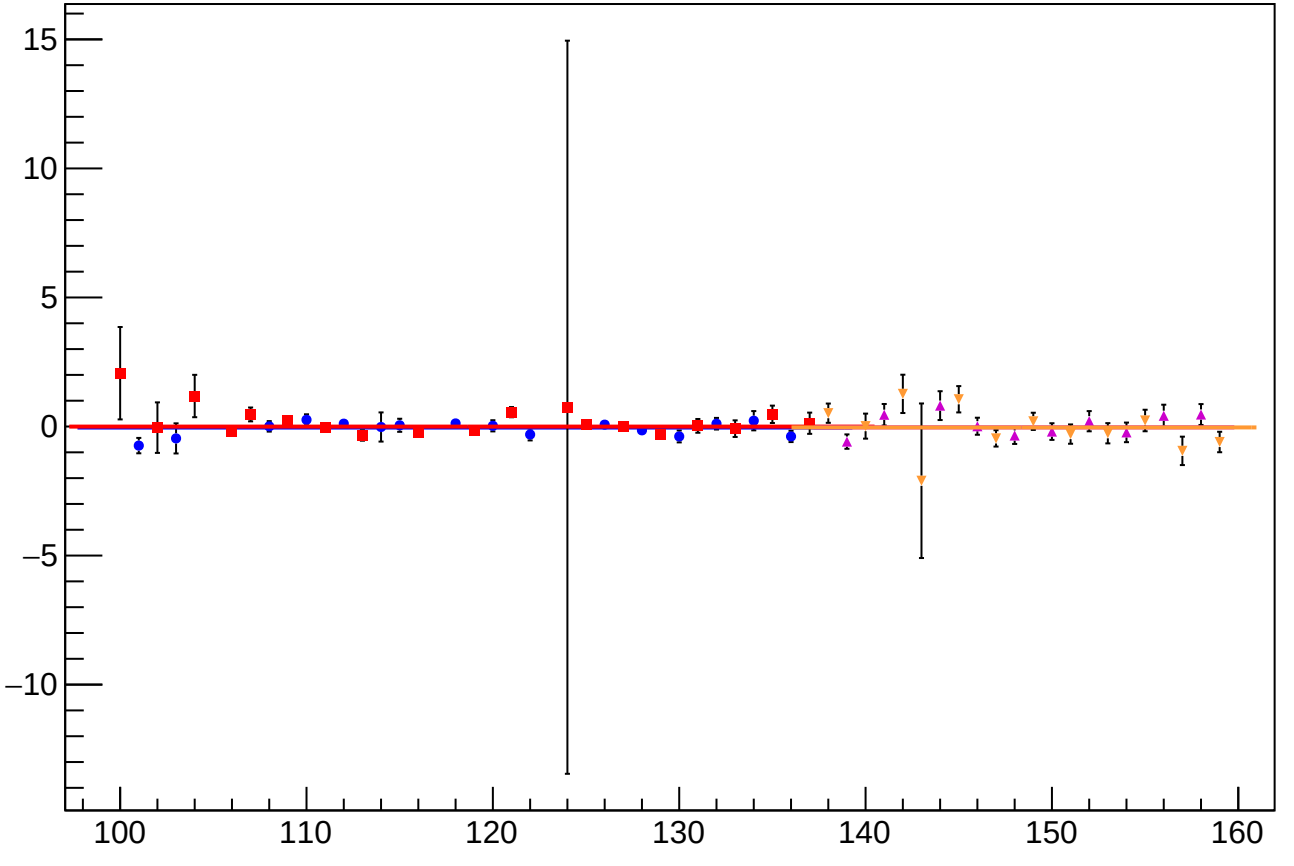
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 173.915+/-0.036 χ^2/NDF:6386476.2/25

Out: 154.757+/-0.033 χ^2/NDF:10267326.8/30

All: 163.715+/-0.024 χ^2/NDF: 16808533.4/56

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

Left: -0.034+/-0.084 χ^2/NDF: 30.6/21

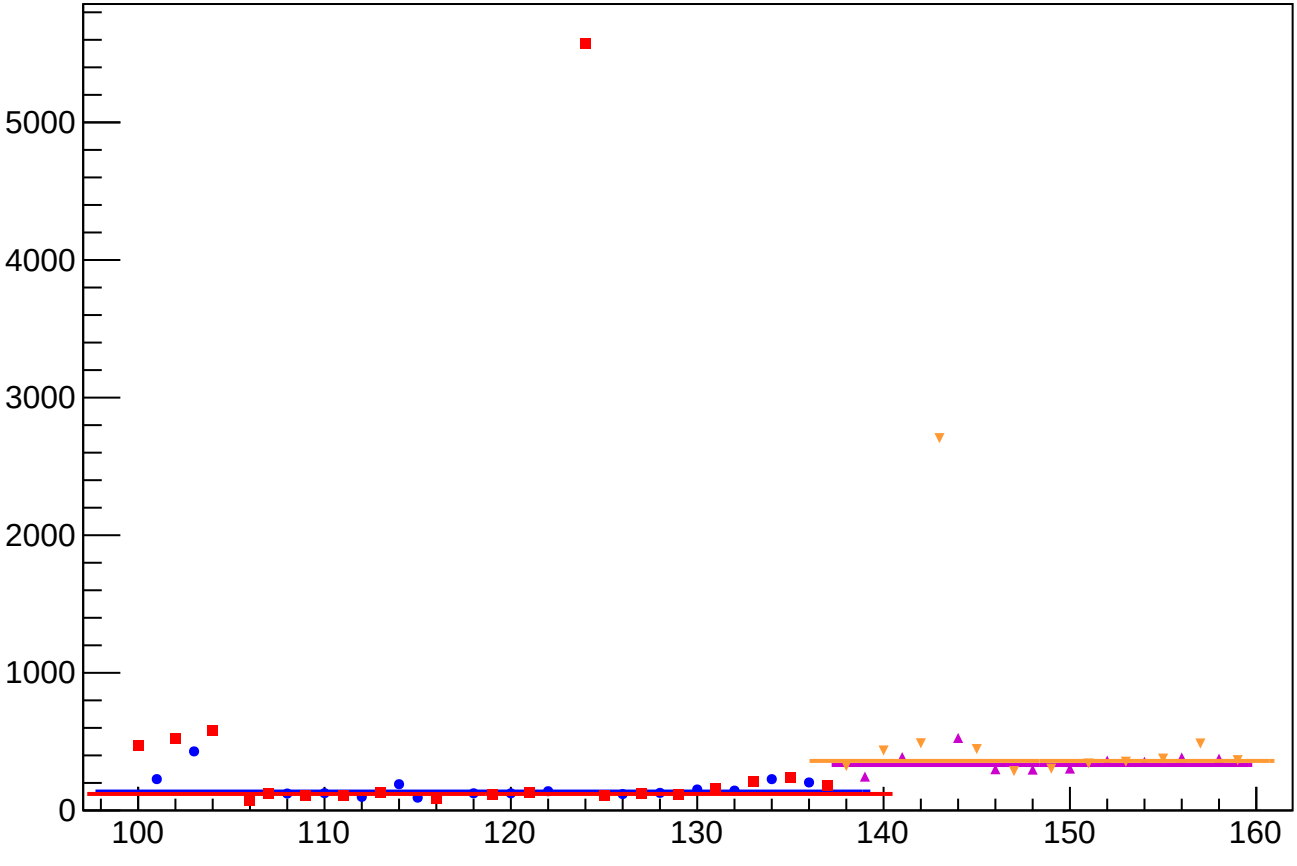
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:30.0/25

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.022+/-0.034 χ^2/NDF: 77.5/56

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: 360.062+/-0.088 χ^2/NDF:1694192.3/11

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

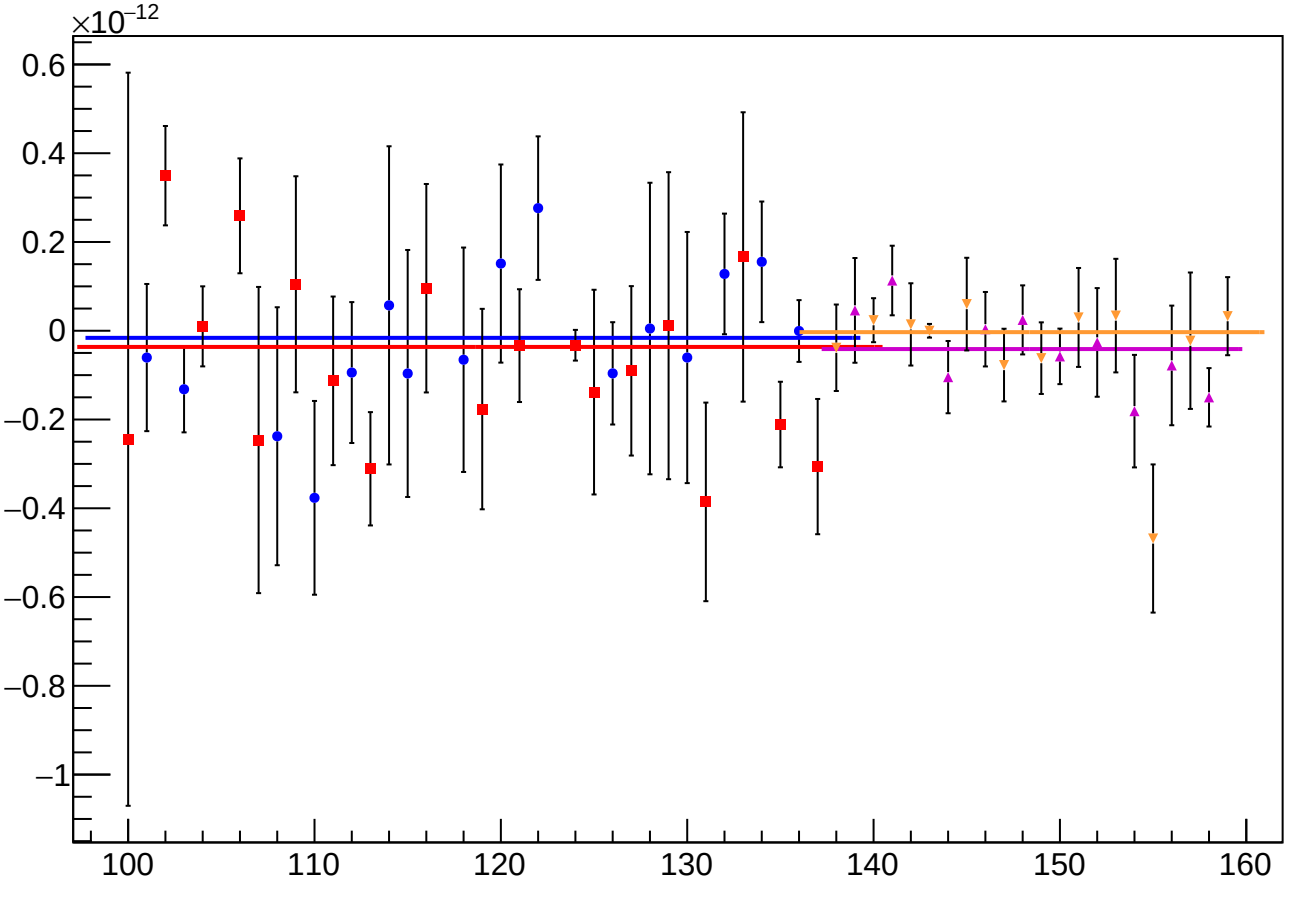
Left: 344.097+/-0.060 χ^2/NDF: 2356019.7/21

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 173.915+/-0.036 χ^2/NDF:6386476.2/25

Out: 154.757+/-0.033 χ^2/NDF:10267326.8/30

All: 163.715+/-0.024 χ^2/NDF: 16808533.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/9

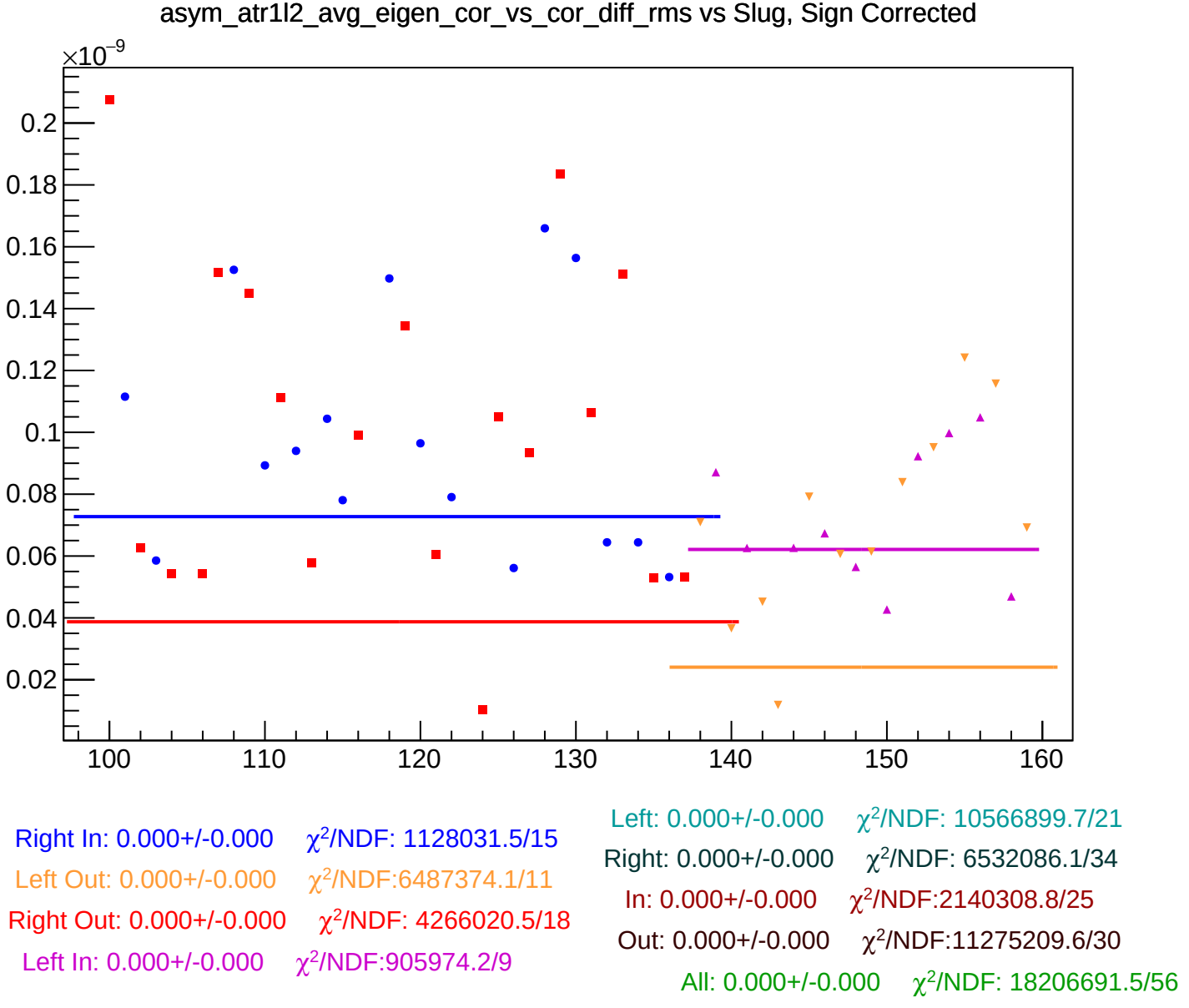
Left: -0.000+/-0.000 χ^2/NDF: 22.1/21

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

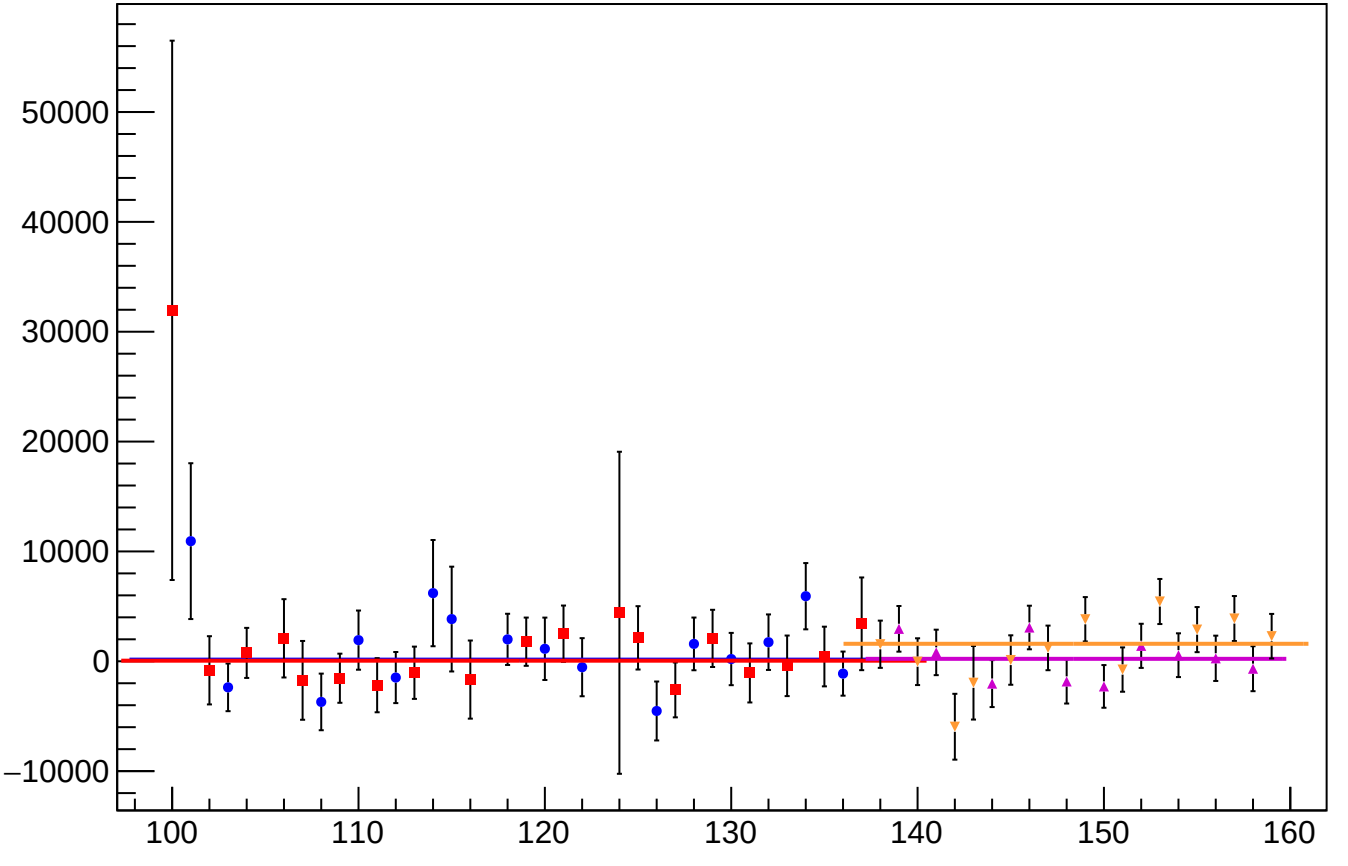
In: -0.000+/-0.000 χ^2/NDF:22.7/25

Out: -0.000+/-0.000 χ^2/NDF:44.8/30

All: -0.000+/-0.000 χ^2/NDF: 68.4/56


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:6487374.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:905974.2/9
Left: 0.000+/-0.000 χ²/NDF: 10566899.7/21
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:2140308.8/25
Out: 0.000+/-0.000 χ²/NDF:11275209.6/30
All: 0.000+/-0.000 χ²/NDF: 18206691.5/56

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1591.745+/-629.425 χ^2/NDF:16.4/11

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 222.033+/-642.364 χ^2/NDF:8.3/9

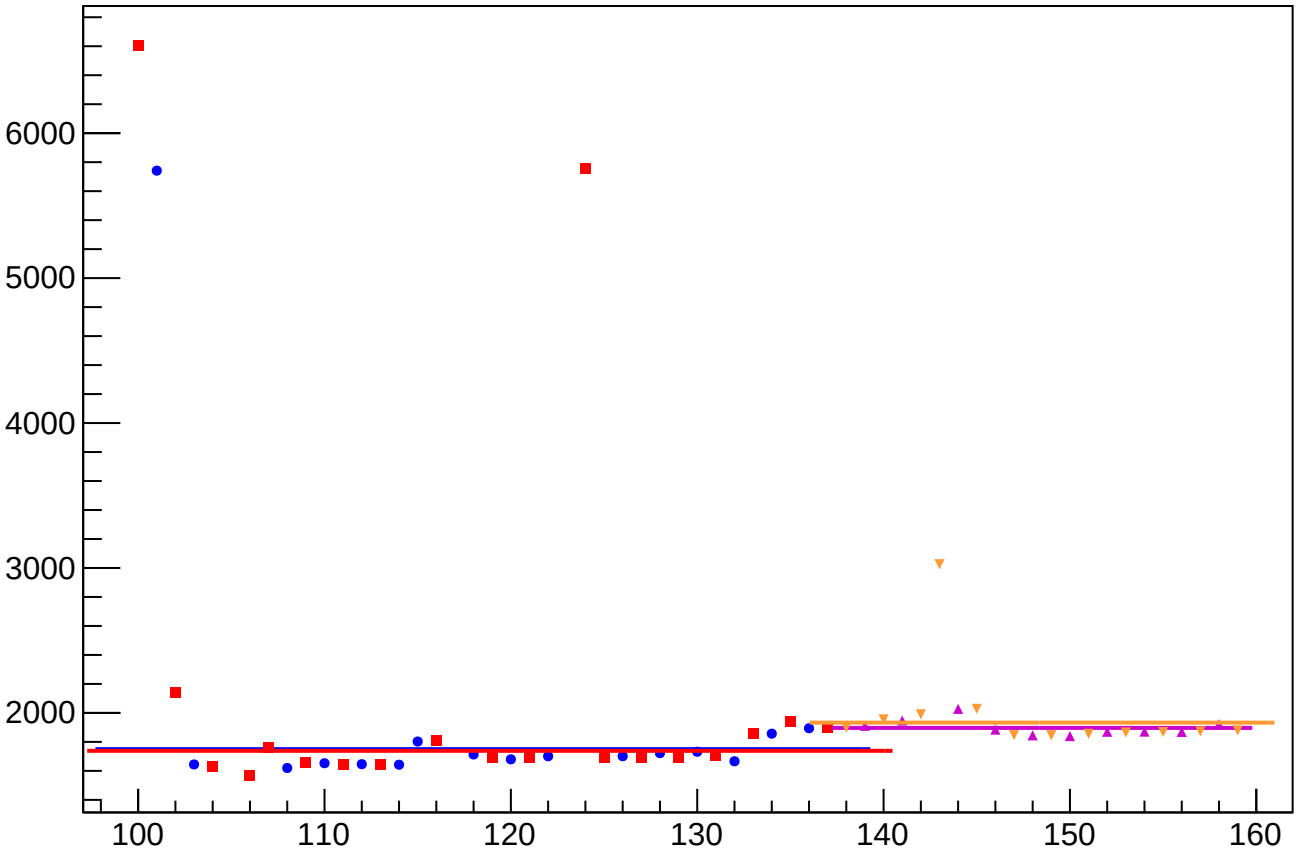
Left: 920.823+/-449.576 χ^2/NDF: 27.0/21

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 187.720+/-462.694 χ^2/NDF:25.9/25

Out: 853.842+/-453.931 χ^2/NDF:28.2/30

All: 527.148+/-324.032 χ^2/NDF: 55.2/56



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1933.007+/-0.445 χ^2/NDF:235529.2/11

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

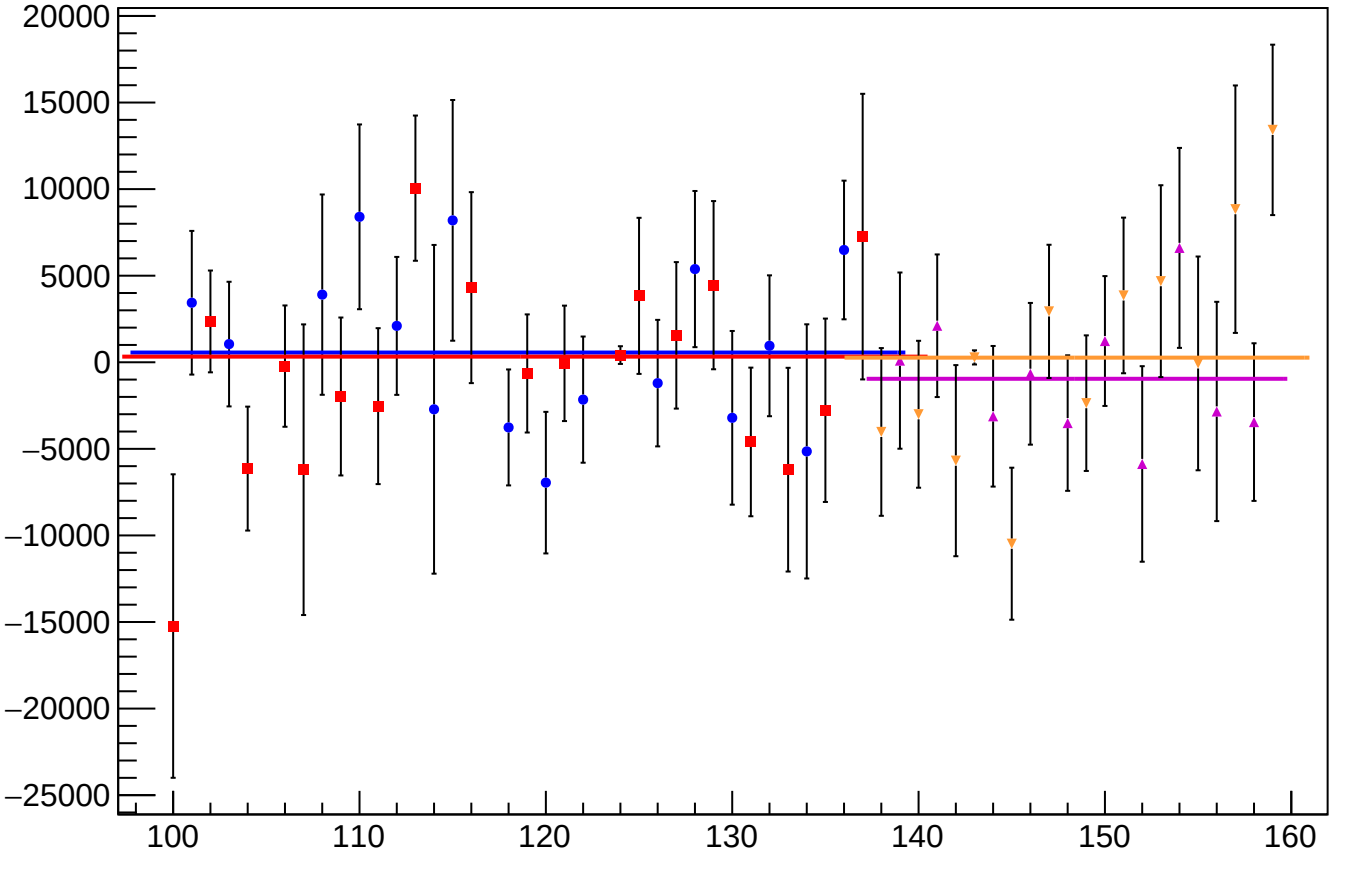
Left: 1915.176+/-0.318 χ^2/NDF: 252077.2/21

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1825.998+/-0.327 χ^2/NDF:733066.0/25

Out: 1838.946+/-0.320 χ^2/NDF:632386.4/30

All: 1832.619+/-0.229 χ^2/NDF: 1366253.4/56



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 266.971+/-393.443 χ^2/NDF:19.3/11

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -954.132+/-1430.128 χ^2/NDF:4.5/9

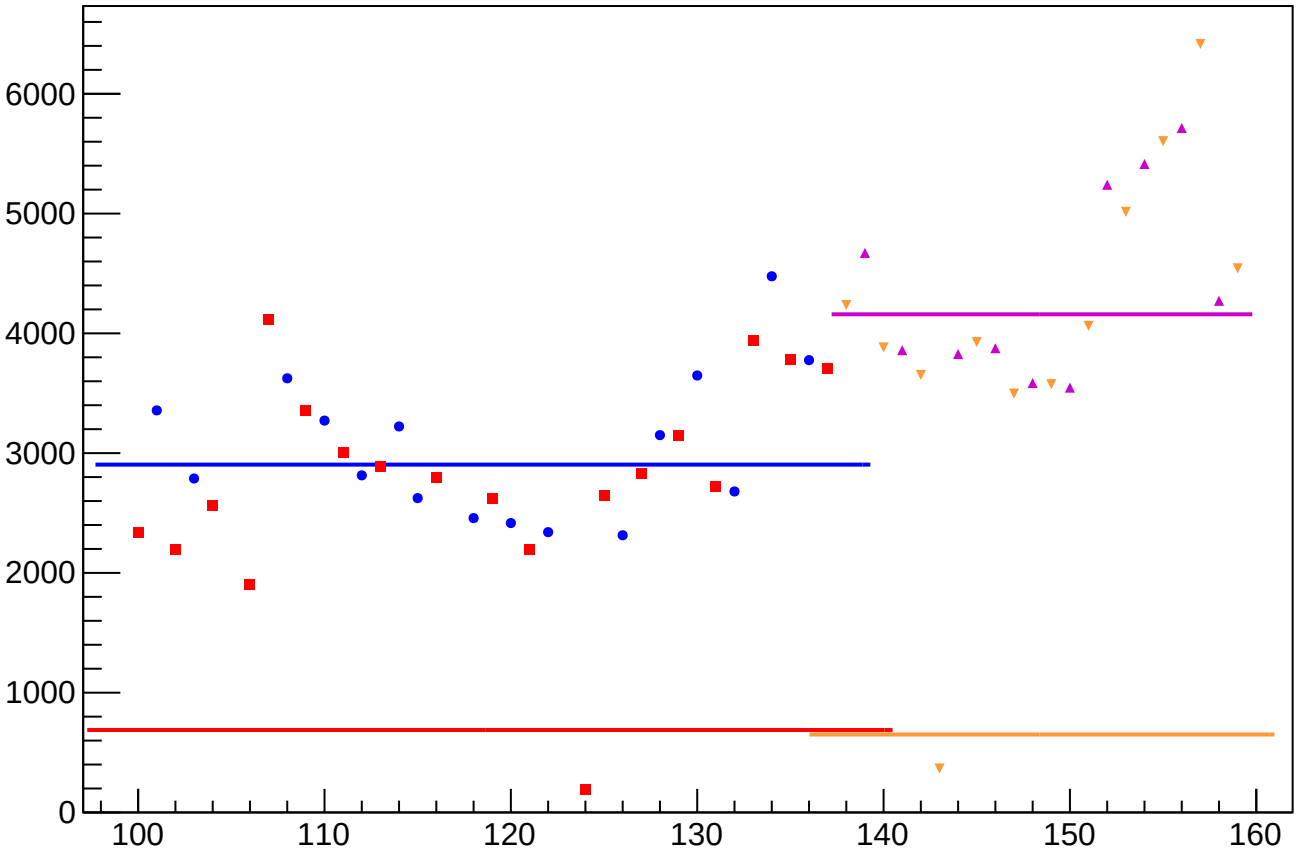
Left: 181.053+/-379.349 χ^2/NDF: 24.5/21

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -2.090+/-872.494 χ^2/NDF:20.0/25

Out: 291.854+/-298.429 χ^2/NDF:38.6/30

All: 261.067+/-282.368 χ^2/NDF: 58.7/56



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 651.040+/-0.278 χ^2/NDF:13370701.2/11

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4159.077+/-1.011 χ^2/NDF:439866.7/9

Left: 897.867+/-0.268 χ^2/NDF: 24997810.4/21

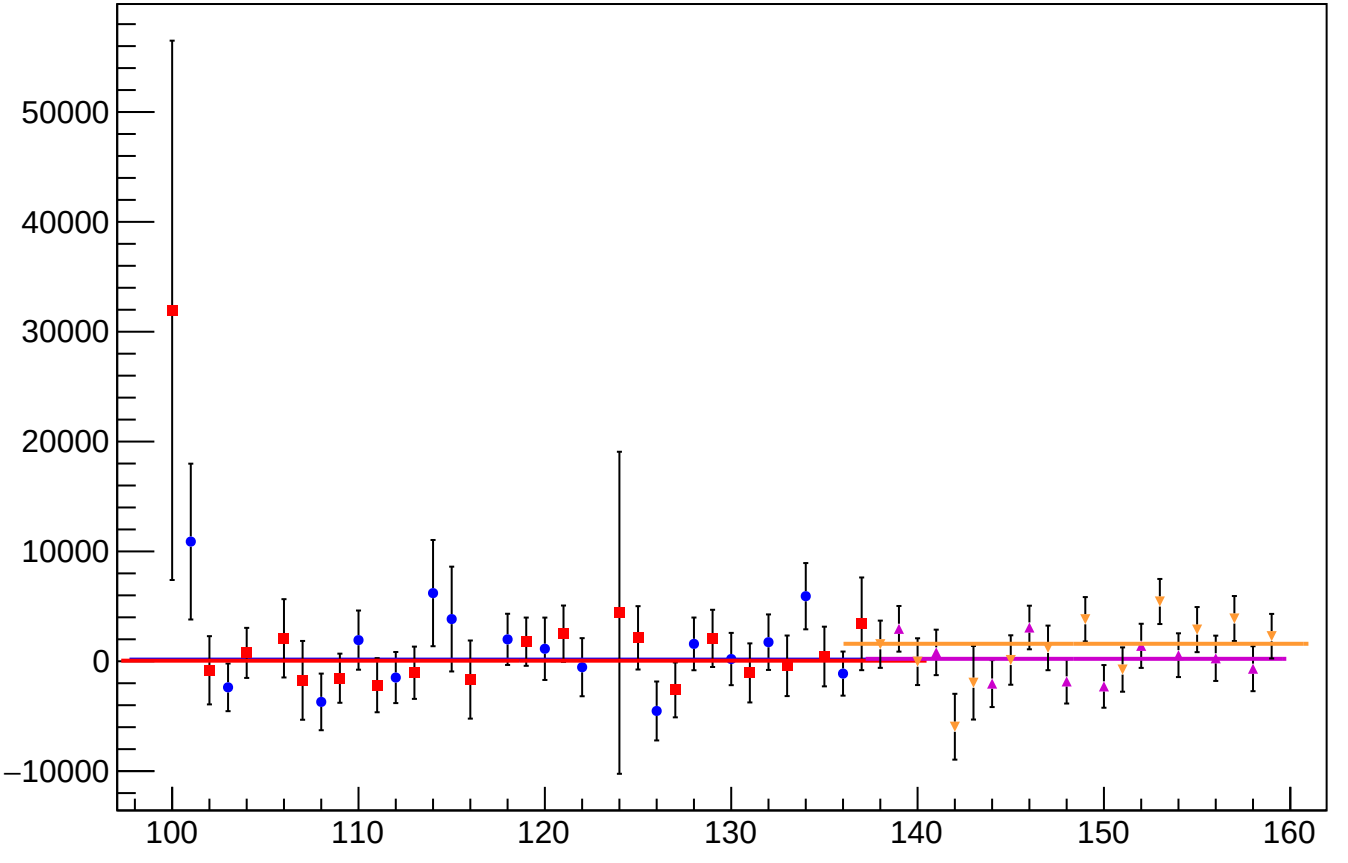
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3371.176+/-0.617 χ^2/NDF:1886586.6/25

Out: 666.871+/-0.211 χ^2/NDF:23527240.4/30

All: 950.116+/-0.200 χ^2/NDF: 42615311.8/56

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1591.686+/-629.425 χ^2/NDF:16.4/11

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 221.993+/-642.364 χ^2/NDF:8.3/9

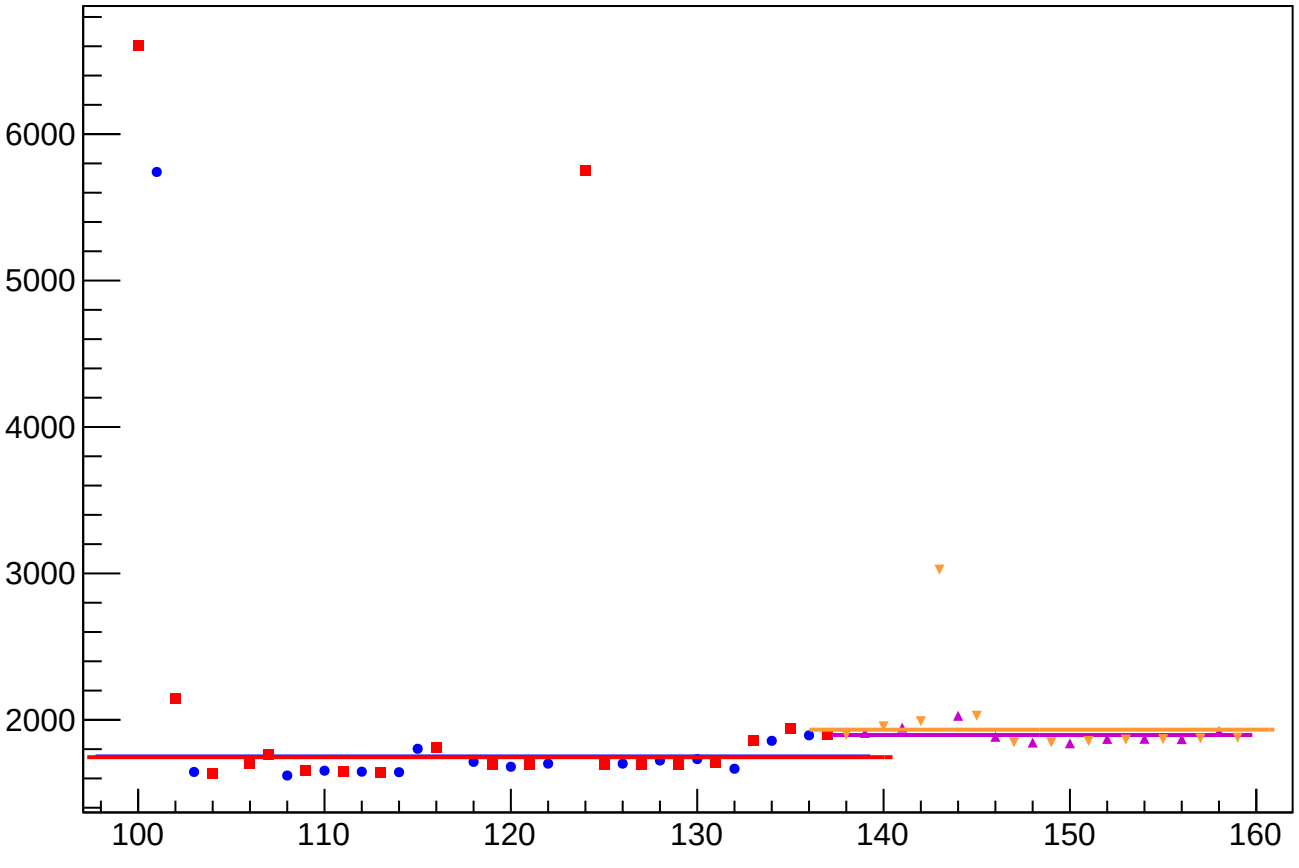
Left: 920.773+/-449.576 χ^2/NDF: 27.0/21

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 187.474+/-462.694 χ^2/NDF:25.9/25

Out: 853.836+/-453.931 χ^2/NDF:28.2/30

All: 527.025+/-324.032 χ^2/NDF: 55.2/56



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1933.007+/-0.445 χ^2/NDF:235529.2/11

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

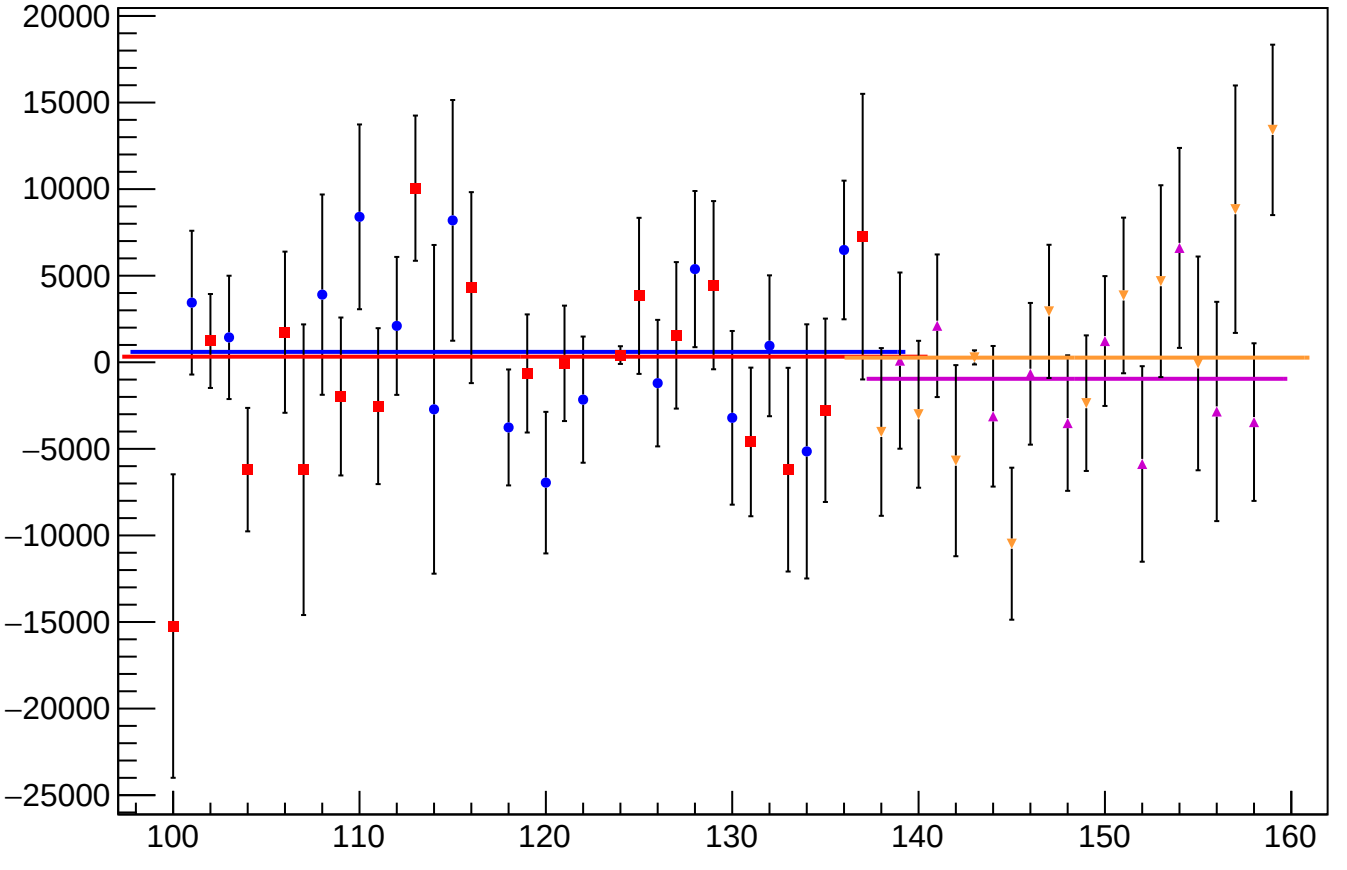
Left: 1915.177+/-0.318 χ^2/NDF: 252077.1/21

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1825.998+/-0.327 χ^2/NDF:733066.4/25

Out: 1842.523+/-0.320 χ^2/NDF:619301.8/30

All: 1834.433+/-0.229 χ^2/NDF: 1353670.5/56



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 267.940+/-393.475 χ^2/NDF:19.3/11

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -954.243+/-1430.125 χ^2/NDF:4.5/9

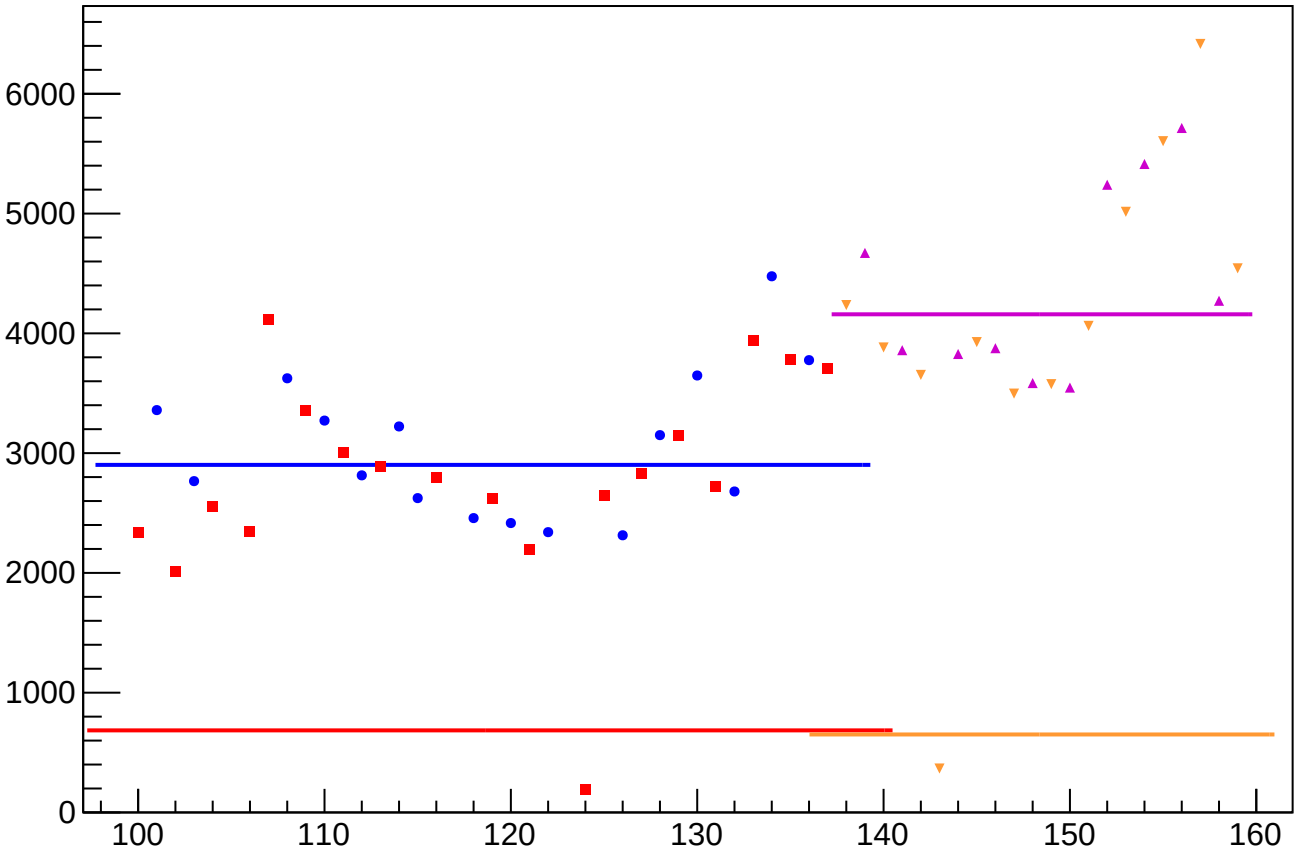
Left: 181.933+/-379.378 χ^2/NDF: 24.5/21

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 22.322+/-871.977 χ^2/NDF:20.1/25

Out: 291.340+/-298.696 χ^2/NDF:38.3/30

All: 263.089+/-282.577 χ^2/NDF: 58.5/56



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 651.125+/-0.278 χ^2/NDF:13370253.3/11

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

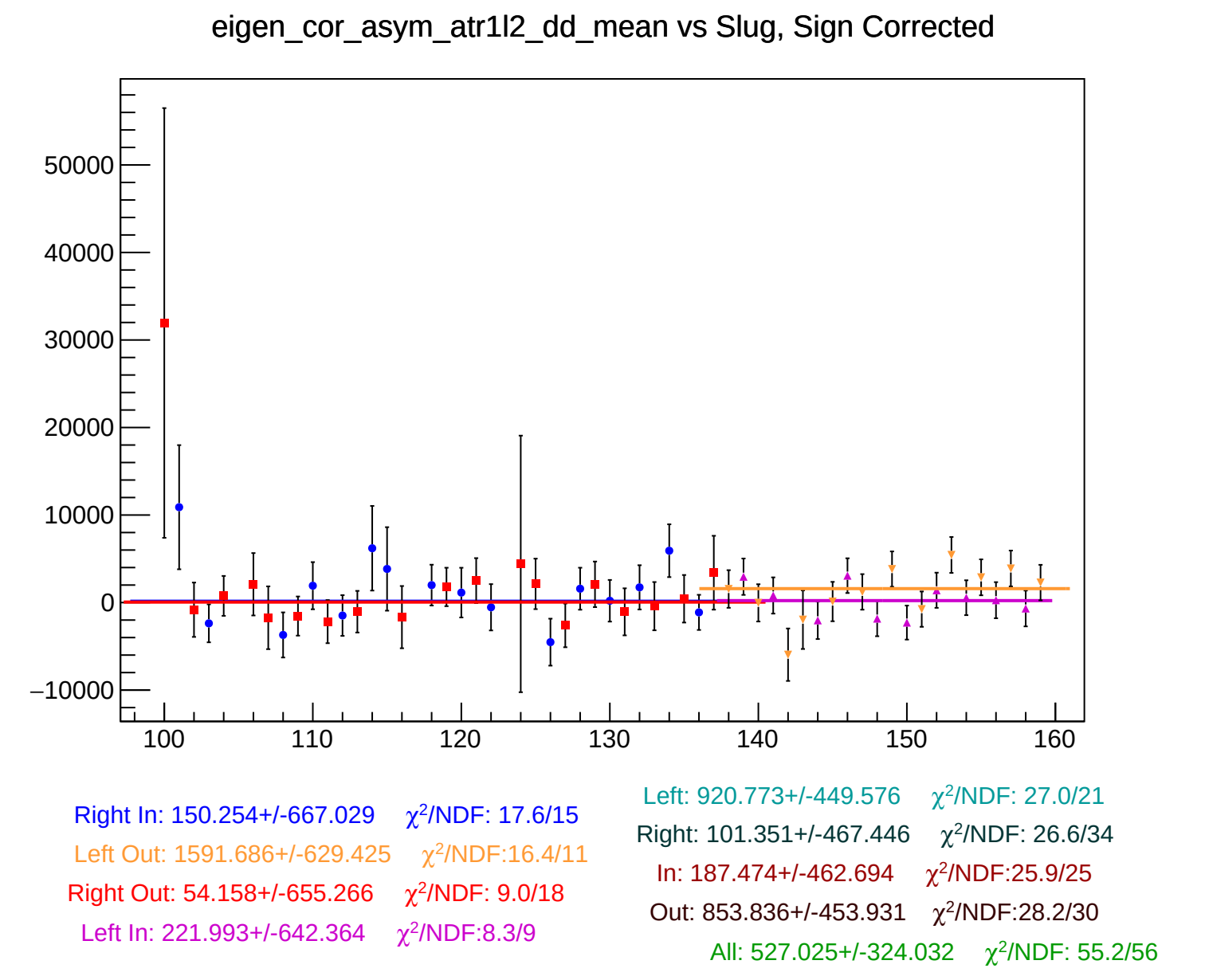
Left: 897.984+/-0.268 χ^2/NDF: 24996684.1/21

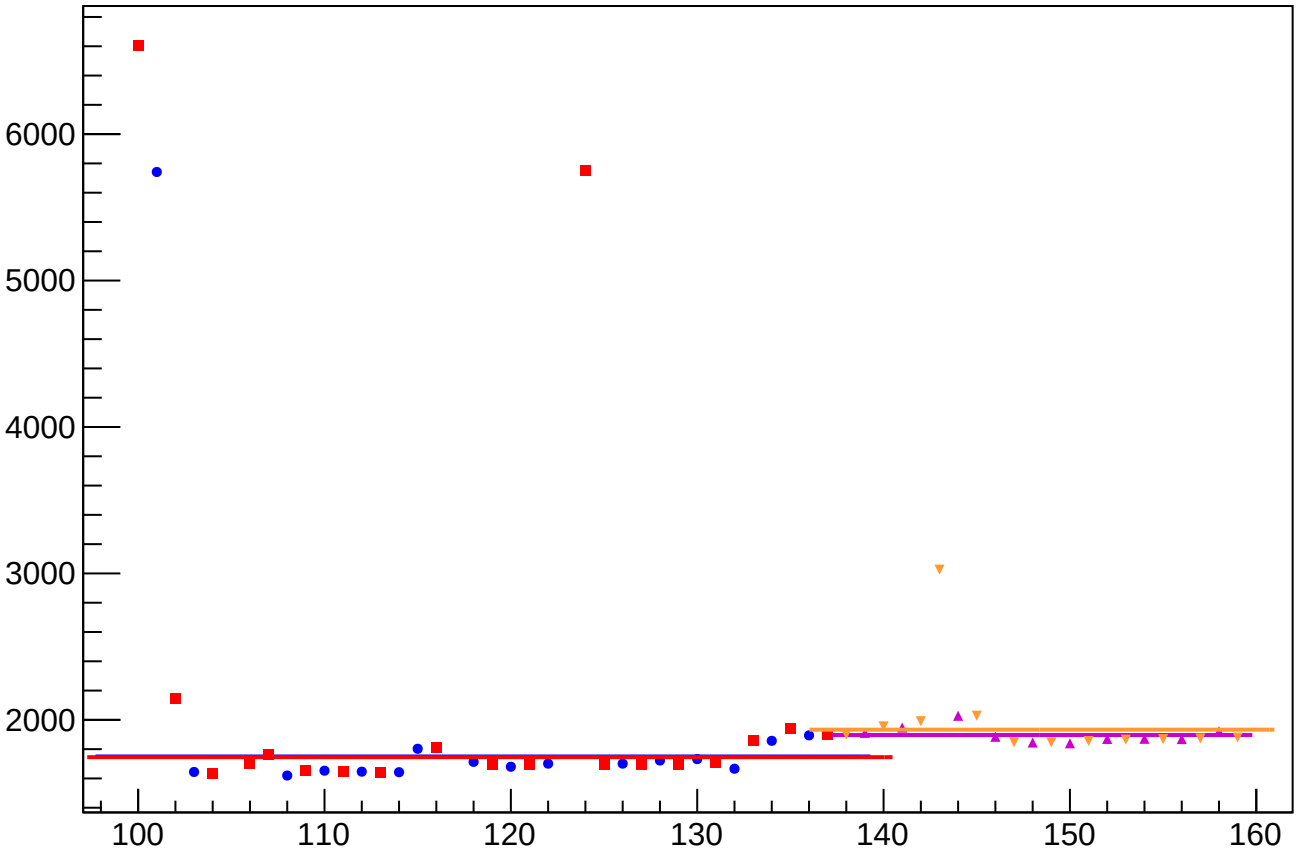
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3369.240+/-0.617 χ^2/NDF:1891813.4/25

Out: 665.588+/-0.211 χ^2/NDF:23482427.7/30

All: 949.519+/-0.200 χ^2/NDF: 42582456.3/56


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1591.686+/-629.425 χ²/NDF:16.4/11
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: 221.993+/-642.364 χ²/NDF:8.3/9
Left: 920.773+/-449.576 χ²/NDF: 27.0/21
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: 187.474+/-462.694 χ²/NDF:25.9/25
Out: 853.836+/-453.931 χ²/NDF:28.2/30
All: 527.025+/-324.032 χ²/NDF: 55.2/56



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1933.007+/-0.445 χ^2/NDF:235529.2/11

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

Left: 1915.177+/-0.318 χ^2/NDF: 252077.1/21

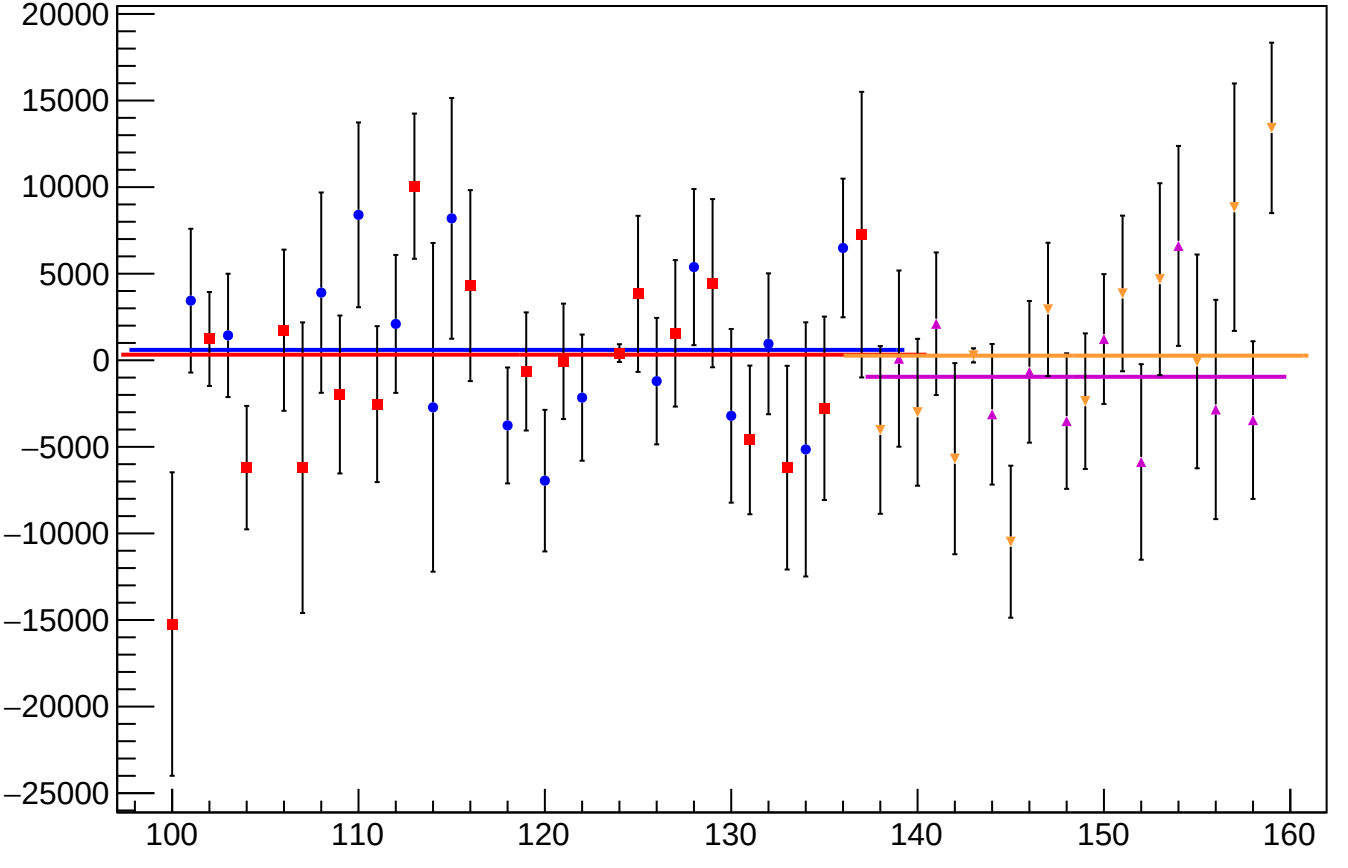
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1825.998+/-0.327 χ^2/NDF:733066.4/25

Out: 1842.523+/-0.320 χ^2/NDF:619301.8/30

All: 1834.433+/-0.229 χ^2/NDF: 1353670.5/56

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 267.940+/-393.475 χ^2/NDF:19.3/11

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -954.243+/-1430.125 χ^2/NDF:4.5/9

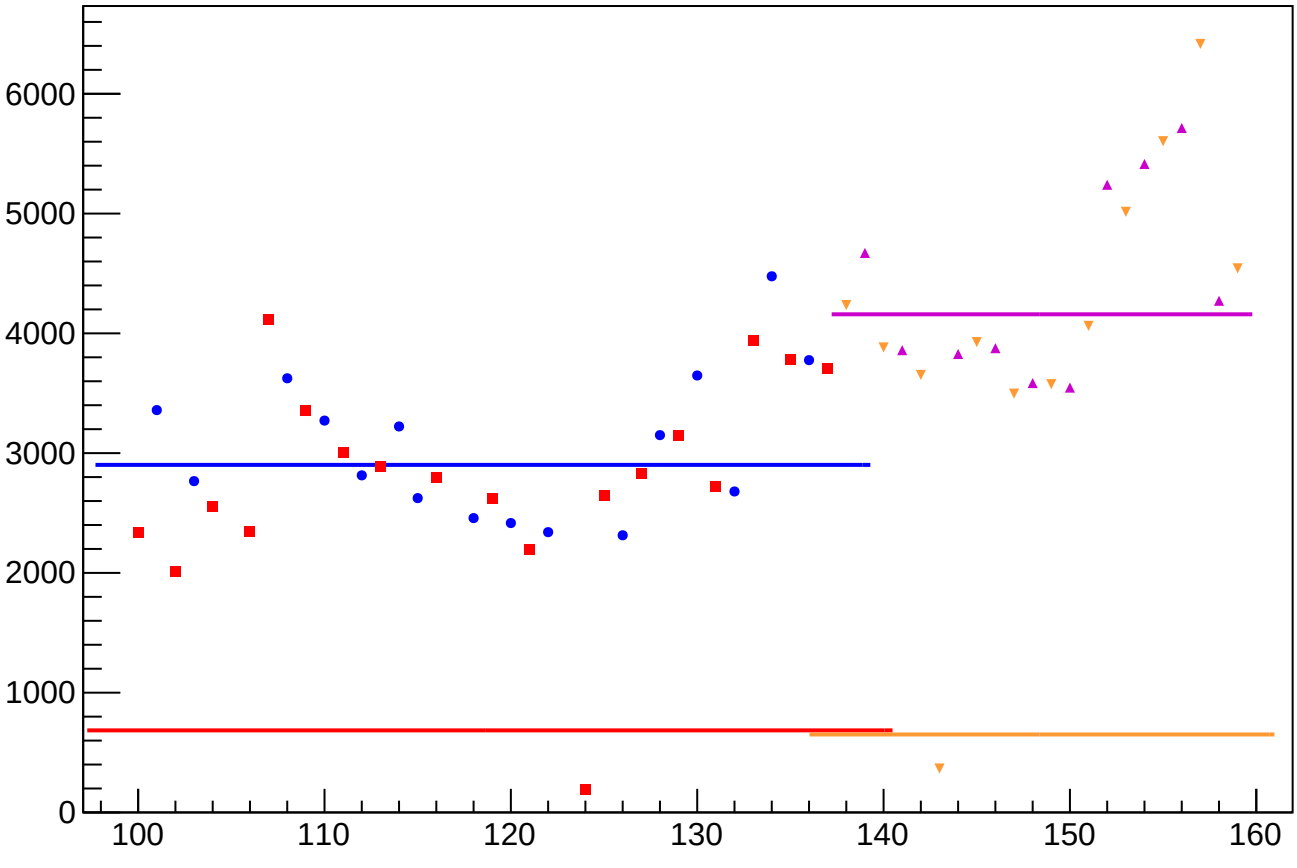
Left: 181.933+/-379.378 χ^2/NDF: 24.5/21

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 22.322+/-871.977 χ^2/NDF:20.1/25

Out: 291.340+/-298.696 χ^2/NDF:38.3/30

All: 263.089+/-282.577 χ^2/NDF: 58.5/56



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 651.125+/-0.278 χ^2/NDF:13370253.3/11

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

Left: 897.984+/-0.268 χ^2/NDF: 24996684.1/21

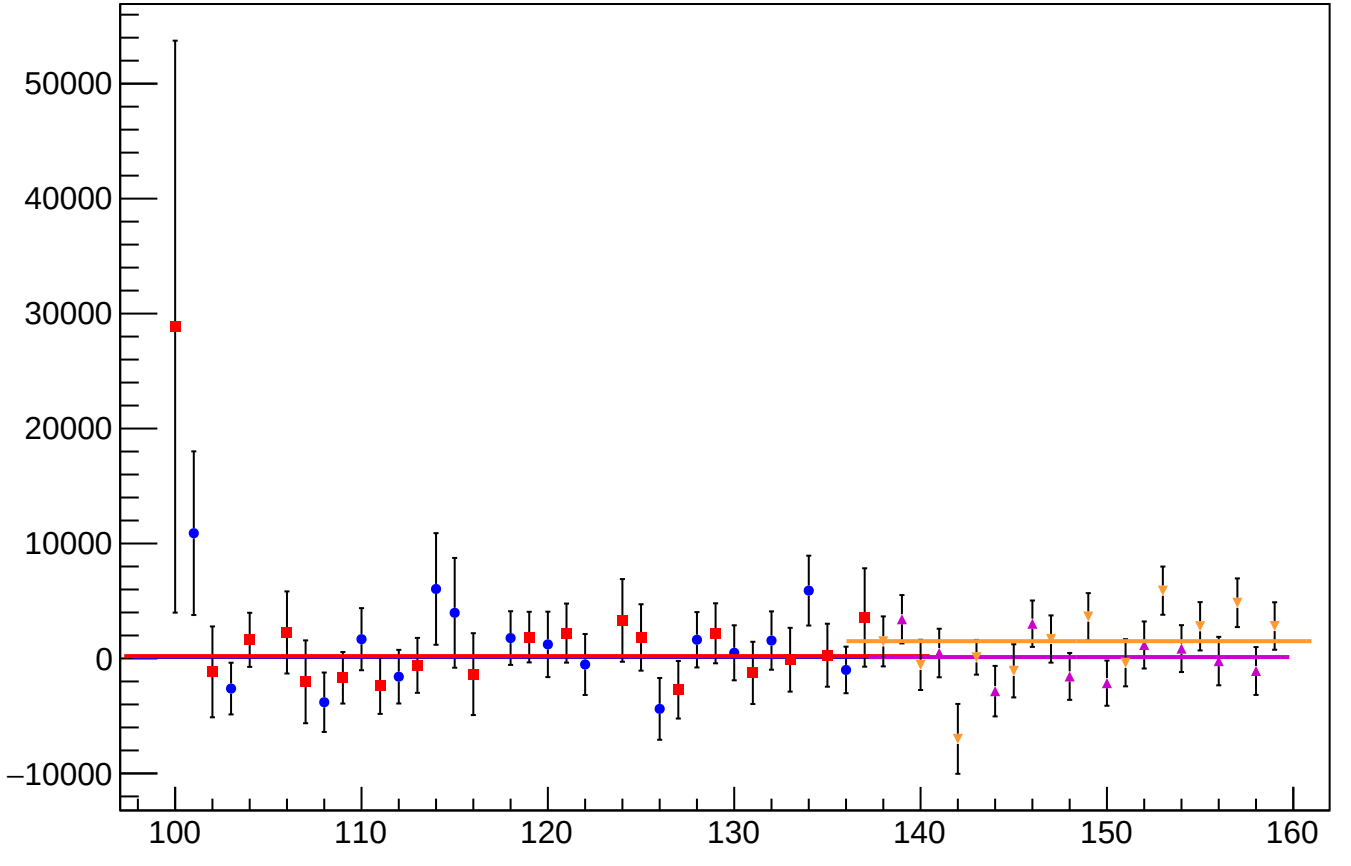
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3369.240+/-0.617 χ^2/NDF:1891813.4/25

Out: 665.588+/-0.211 χ^2/NDF:23482427.7/30

All: 949.519+/-0.200 χ^2/NDF: 42582456.3/56

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1506.523+/-599.640 χ^2/NDF:20.4/11

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 122.455+/-654.048 χ^2/NDF:9.1/9

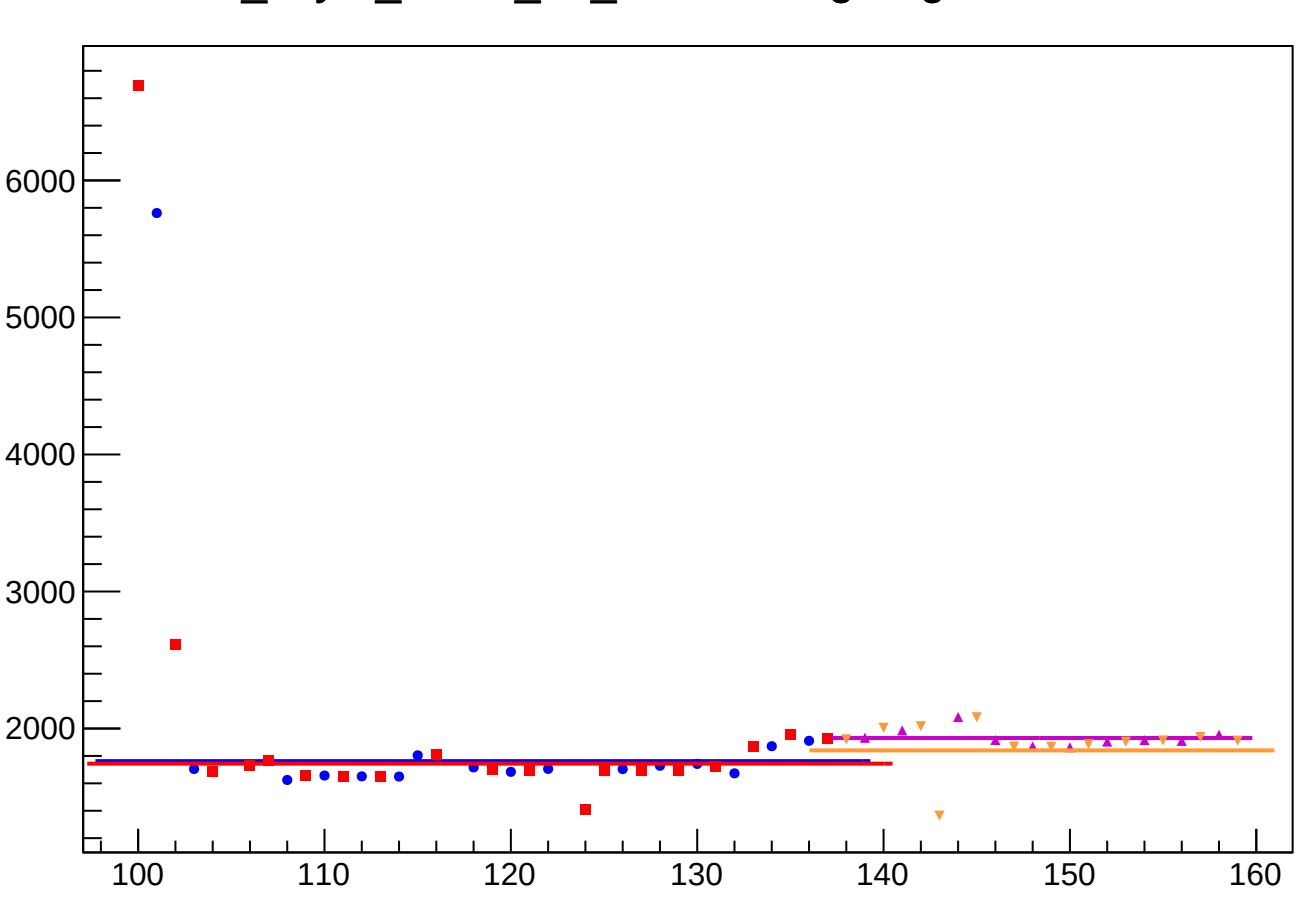
Left: 874.443+/-441.995 χ^2/NDF: 32.0/21

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 127.995+/-468.571 χ^2/NDF:26.4/25

Out: 912.724+/-442.117 χ^2/NDF:32.3/30

All: 543.136+/-321.570 χ^2/NDF: 60.2/56



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1840.450+/-0.424 χ^2/NDF:254161.9/11

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.867+/-0.462 χ^2/NDF:16263.1/9

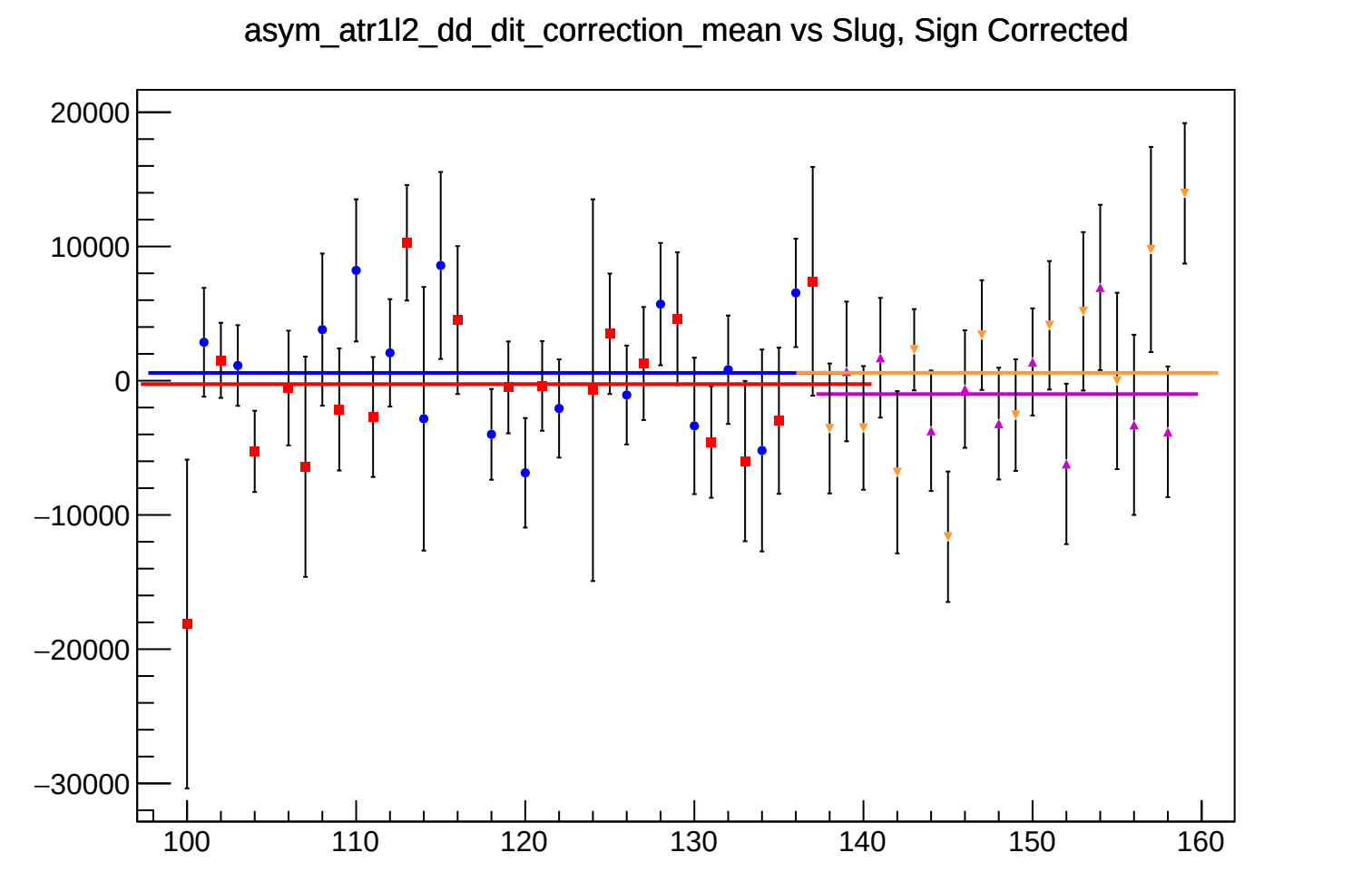
Left: 1881.742+/-0.313 χ^2/NDF: 291191.6/21

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1848.697+/-0.331 χ^2/NDF:748814.0/25

Out: 1796.167+/-0.312 χ^2/NDF:505749.1/30

All: 1820.873+/-0.227 χ^2/NDF: 1267876.9/56



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 589.191+/-1366.457 χ^2/NDF:19.8/11

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -995.044+/-1528.248 χ^2/NDF:4.4/9

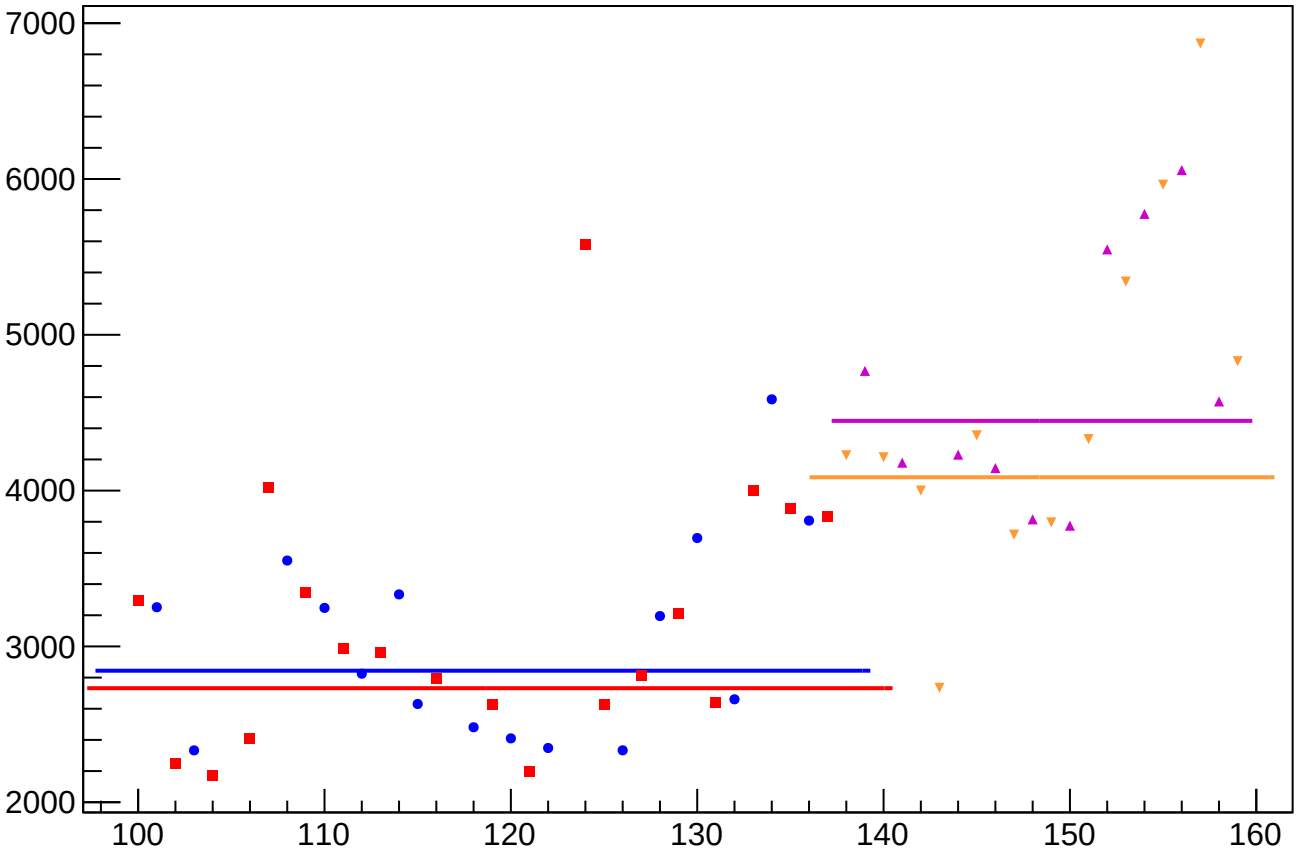
Left: -114.656+/-1018.646 χ^2/NDF: 24.8/21

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 55.918+/-882.795 χ^2/NDF:19.9/25

Out: 50.518+/-817.909 χ^2/NDF:38.0/30

All: 53.013+/-599.978 χ^2/NDF: 58.0/56



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4085.663+/-0.966 χ^2/NDF:999387.6/11

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4447.479+/-1.081 χ^2/NDF:409134.8/9

Left: 4246.411+/-0.720 χ^2/NDF: 1470820.2/21

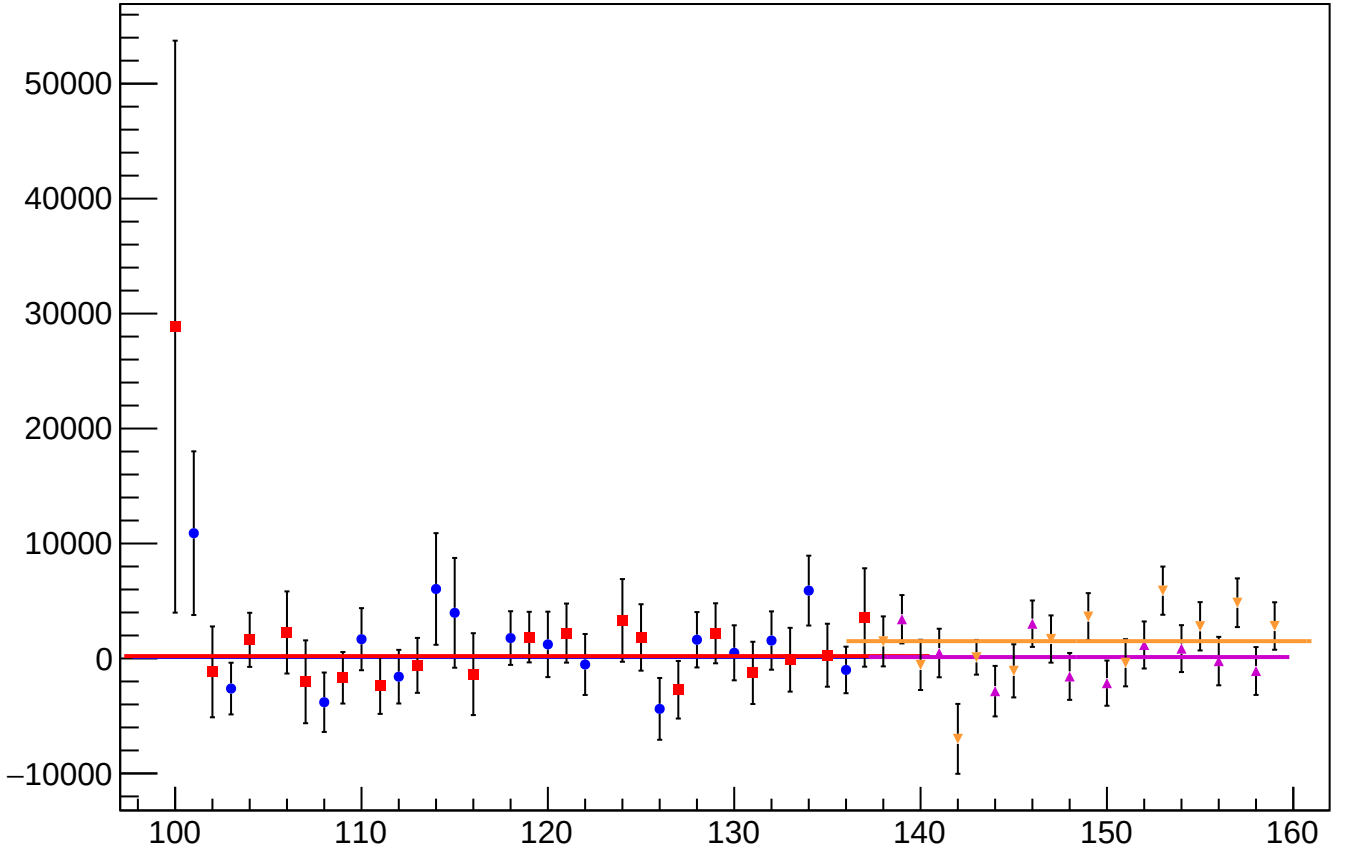
Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3379.153+/-0.624 χ^2/NDF:2417958.2/25

Out: 3216.971+/-0.578 χ^2/NDF:2870230.7/30

All: 3291.883+/-0.424 χ^2/NDF: 5324511.3/56

eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1506.523+/-599.640 χ^2/NDF:20.4/11

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 122.450+/-654.049 χ^2/NDF:9.1/9

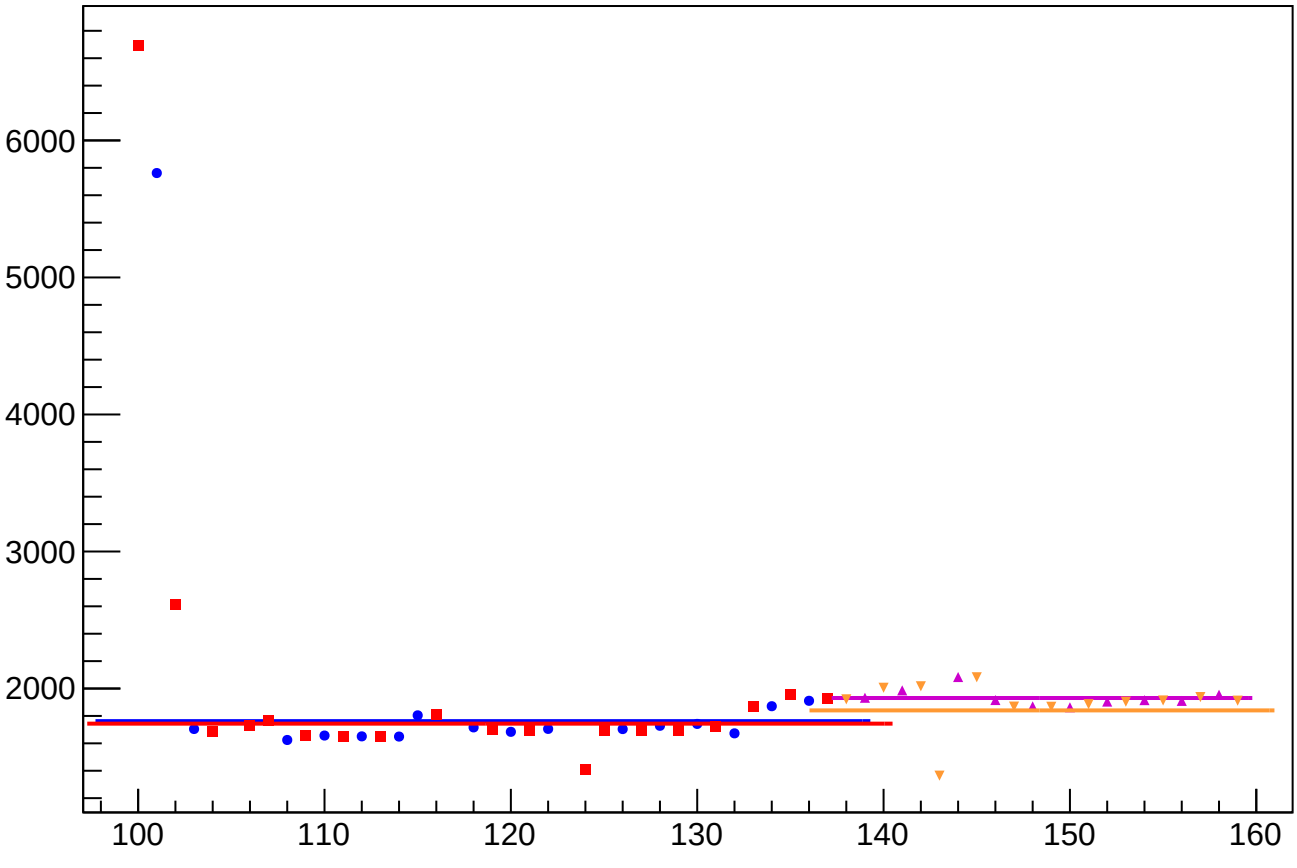
Left: 874.441+/-441.995 χ^2/NDF: 32.0/21

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 127.993+/-468.571 χ^2/NDF:26.4/25

Out: 912.723+/-442.117 χ^2/NDF:32.3/30

All: 543.134+/-321.570 χ^2/NDF: 60.2/56



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1840.451+/-0.424 χ^2/NDF:254163.2/11

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.868+/-0.462 χ^2/NDF:16263.3/9

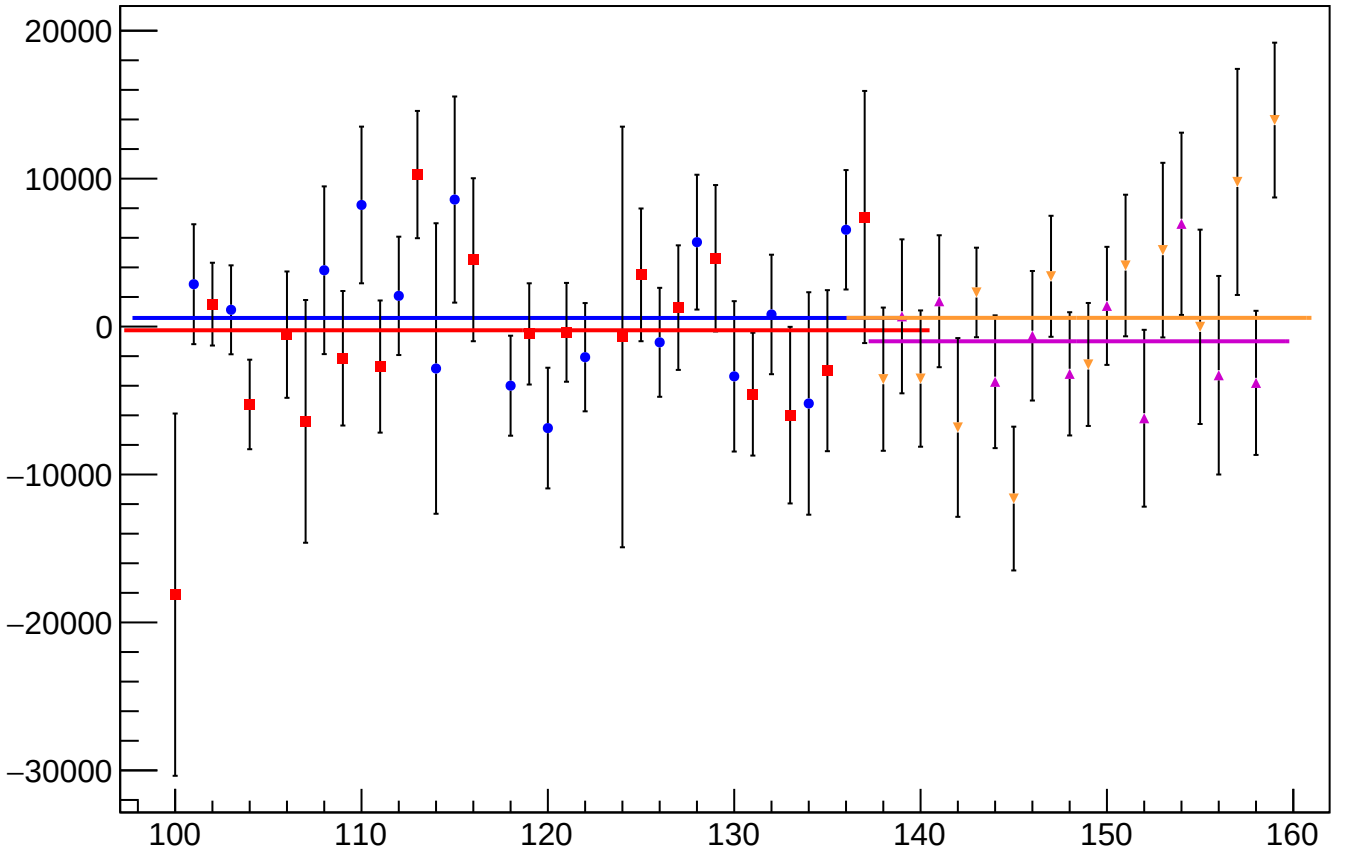
Left: 1881.743+/-0.313 χ^2/NDF: 291193.1/21

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1848.697+/-0.331 χ^2/NDF:748814.9/25

Out: 1796.168+/-0.312 χ^2/NDF:505750.8/30

All: 1820.873+/-0.227 χ^2/NDF: 1267879.5/56



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 589.195+/-1366.459 χ^2/NDF:19.8/11

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -995.047+/-1528.250 χ^2/NDF:4.4/9

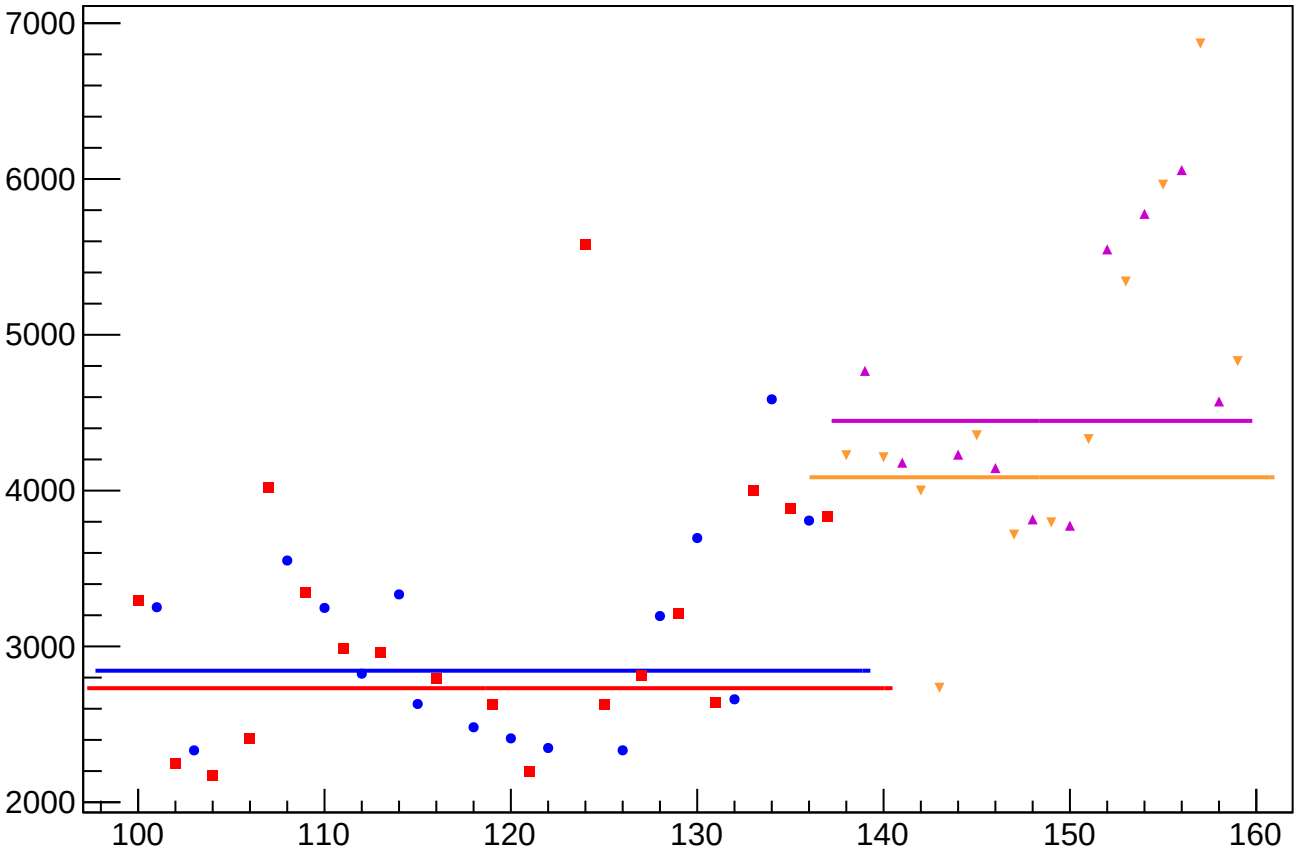
Left: -114.655+/-1018.647 χ^2/NDF: 24.8/21

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 55.917+/-882.794 χ^2/NDF:19.9/25

Out: 50.518+/-817.908 χ^2/NDF:38.0/30

All: 53.012+/-599.977 χ^2/NDF: 58.0/56



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4085.667+/-0.966 χ^2/NDF:999393.0/11

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4447.485+/-1.081 χ^2/NDF:409137.4/9

Left: 4246.416+/-0.720 χ^2/NDF: 1470828.6/21

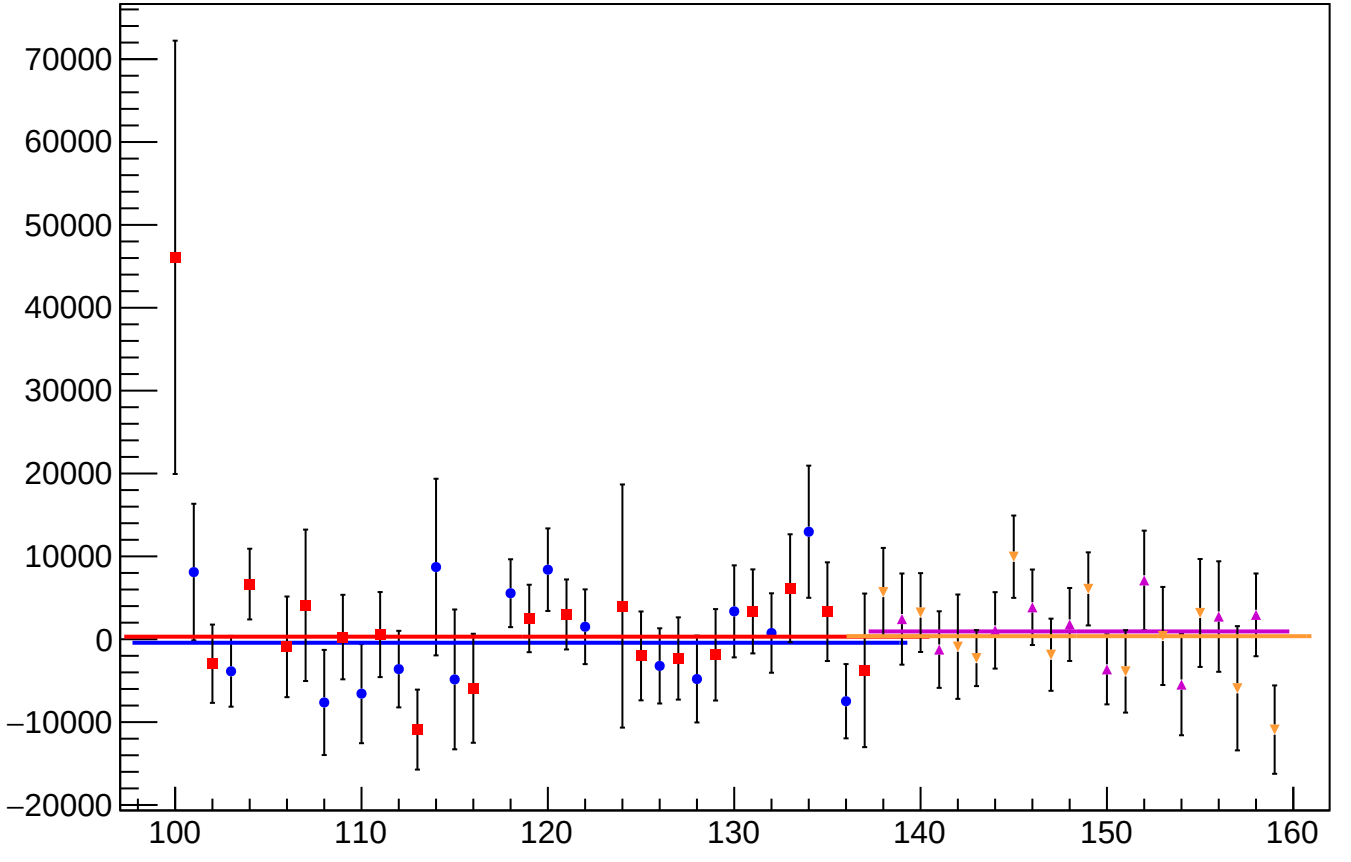
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3379.147+/-0.624 χ^2/NDF:2417989.1/25

Out: 3216.967+/-0.578 χ^2/NDF:2870251.9/30

All: 3291.878+/-0.424 χ^2/NDF: 5324562.8/56

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 369.349+/-1439.336 χ^2/NDF:13.8/11

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 943.694+/-1581.585 χ^2/NDF:4.3/9

Left: 629.536+/-1064.509 χ^2/NDF: 18.1/21

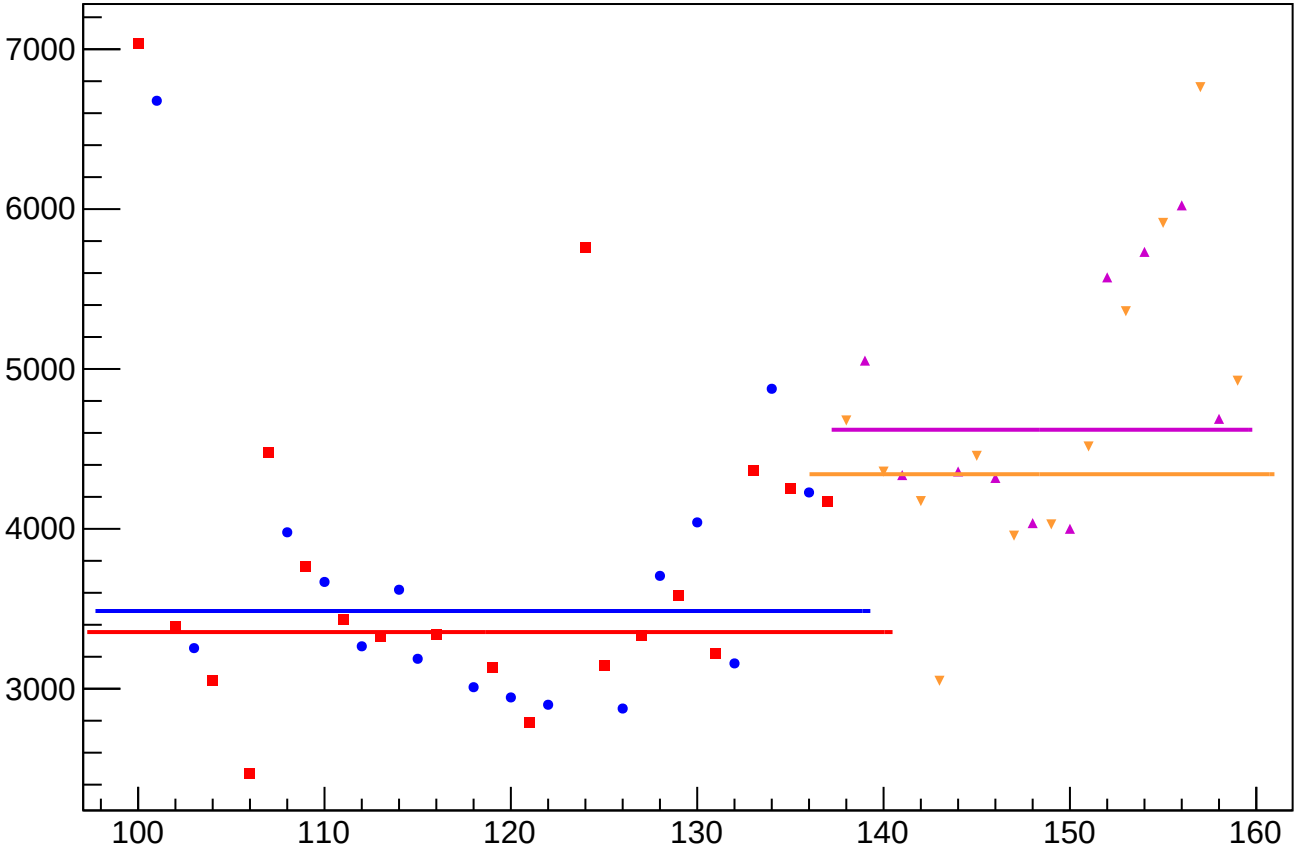
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 141.683+/-1016.691 χ^2/NDF:22.6/25

Out: 334.892+/-954.698 χ^2/NDF:29.0/30

All: 244.357+/-695.958 χ^2/NDF: 51.7/56

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4341.803+/-1.018 χ^2/NDF:740194.1/11

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4619.924+/-1.118 χ^2/NDF:318873.1/9

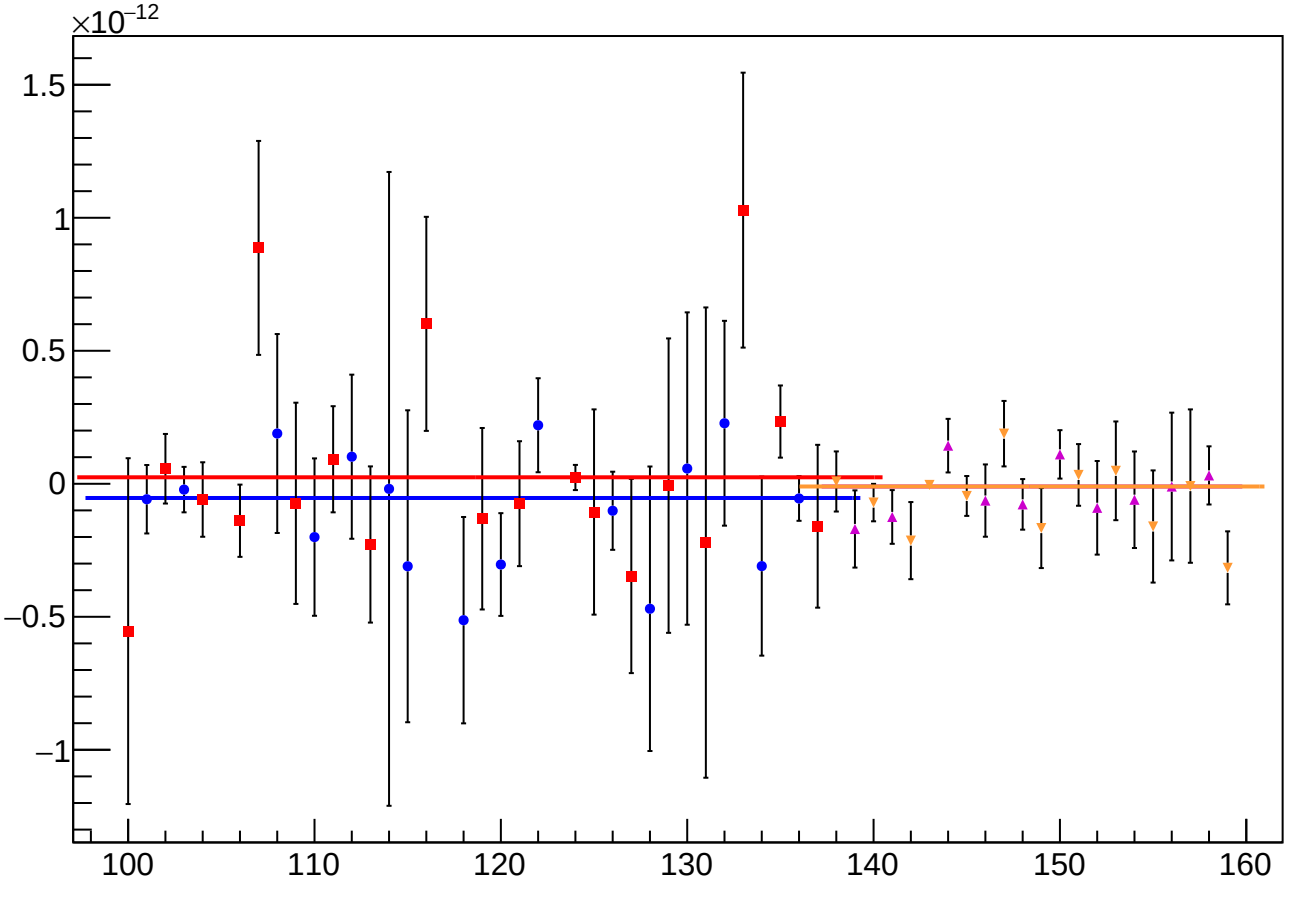
Left: 4467.796+/-0.753 χ^2/NDF: 1092896.1/21

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3954.669+/-0.719 χ^2/NDF:1517713.4/25

Out: 3782.009+/-0.670 χ^2/NDF:1650222.1/30

All: 3862.235+/-0.490 χ^2/NDF: 3198815.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/9

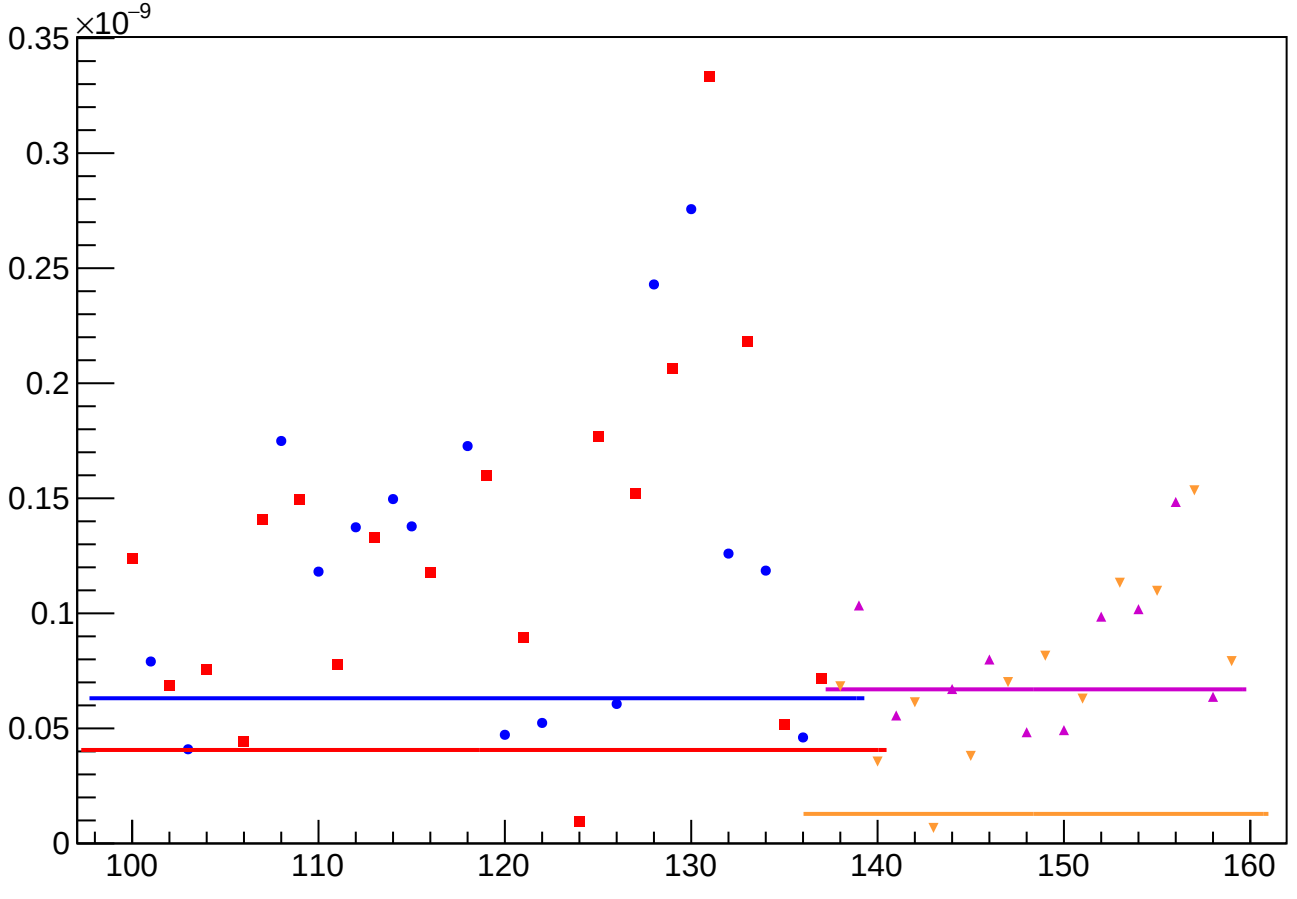
Left: -0.000+/-0.000 χ^2/NDF: 20.2/21

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.8/25

Out: -0.000+/-0.000 χ^2/NDF:31.8/30

All: -0.000+/-0.000 χ^2/NDF: 49.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4765190.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:634287.2/9

Left: 0.000+/-0.000 χ^2/NDF: 9064729.7/21

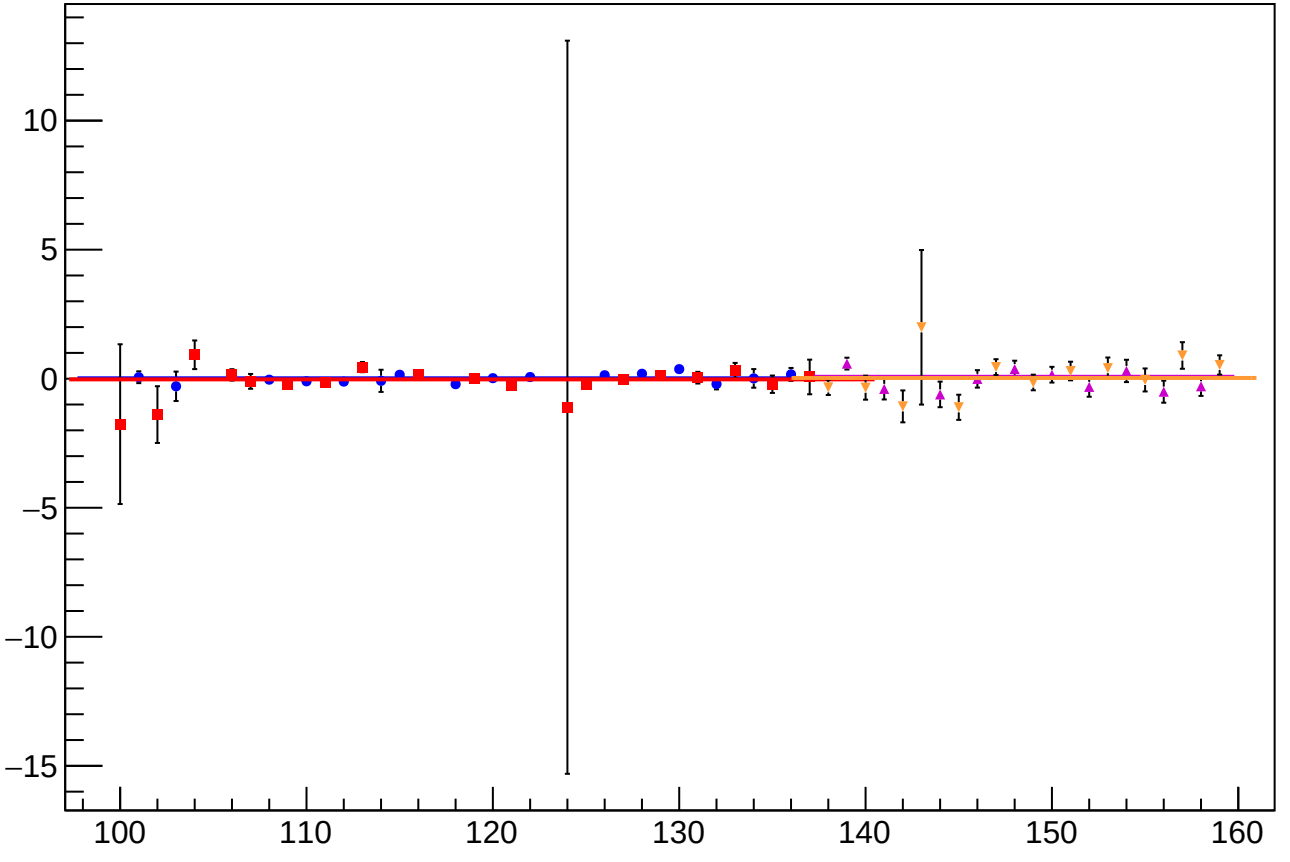
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2075040.2/25

Out: 0.000+/-0.000 χ^2/NDF:9021735.9/30

All: 0.000+/-0.000 χ^2/NDF: 16179858.1/56

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

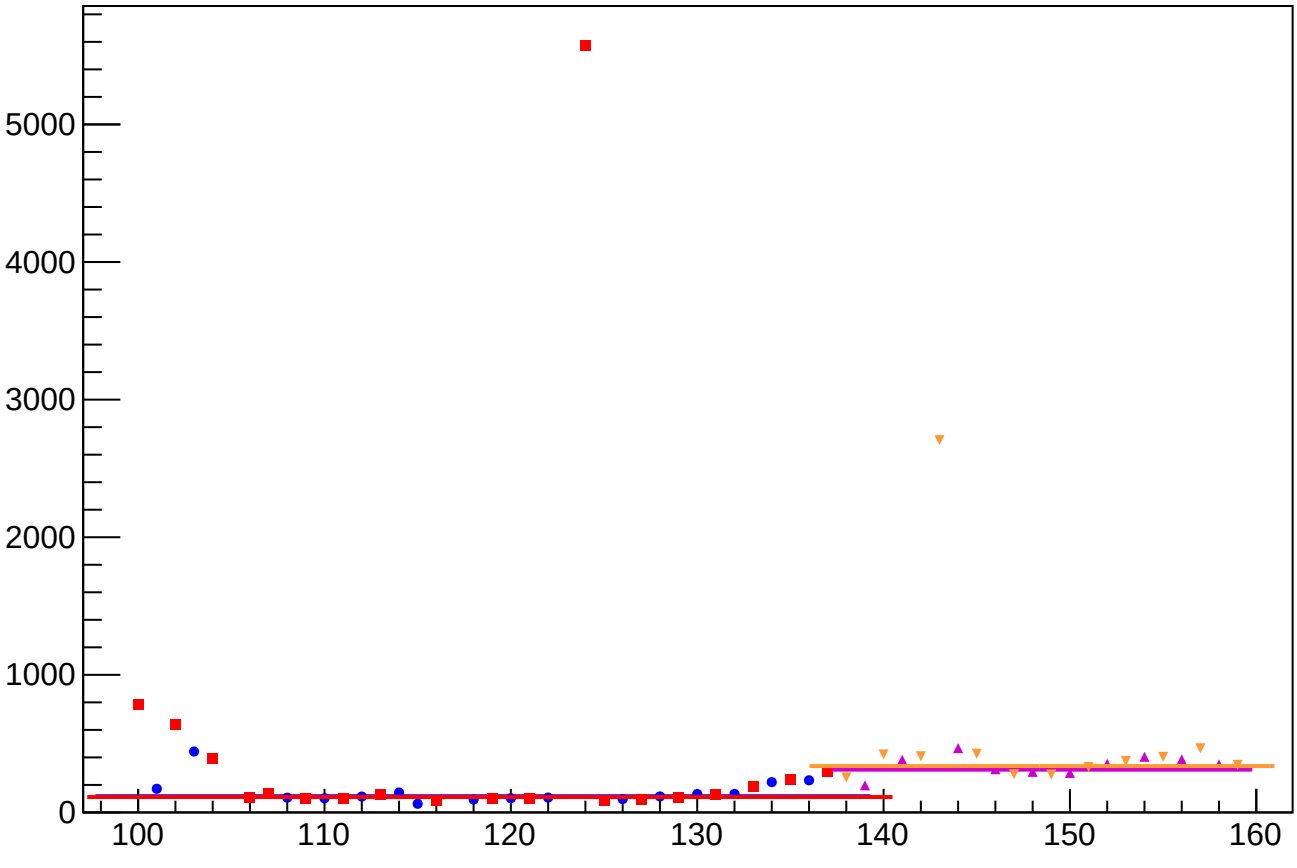
Left: 0.053+/-0.080 χ^2/NDF: 32.9/21

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.003+/-0.031 χ^2/NDF: 67.6/56



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.105+/-0.082 χ^2/NDF:1914305.4/11

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

Left: 323.385+/-0.056 χ^2/NDF: 2942386.2/21

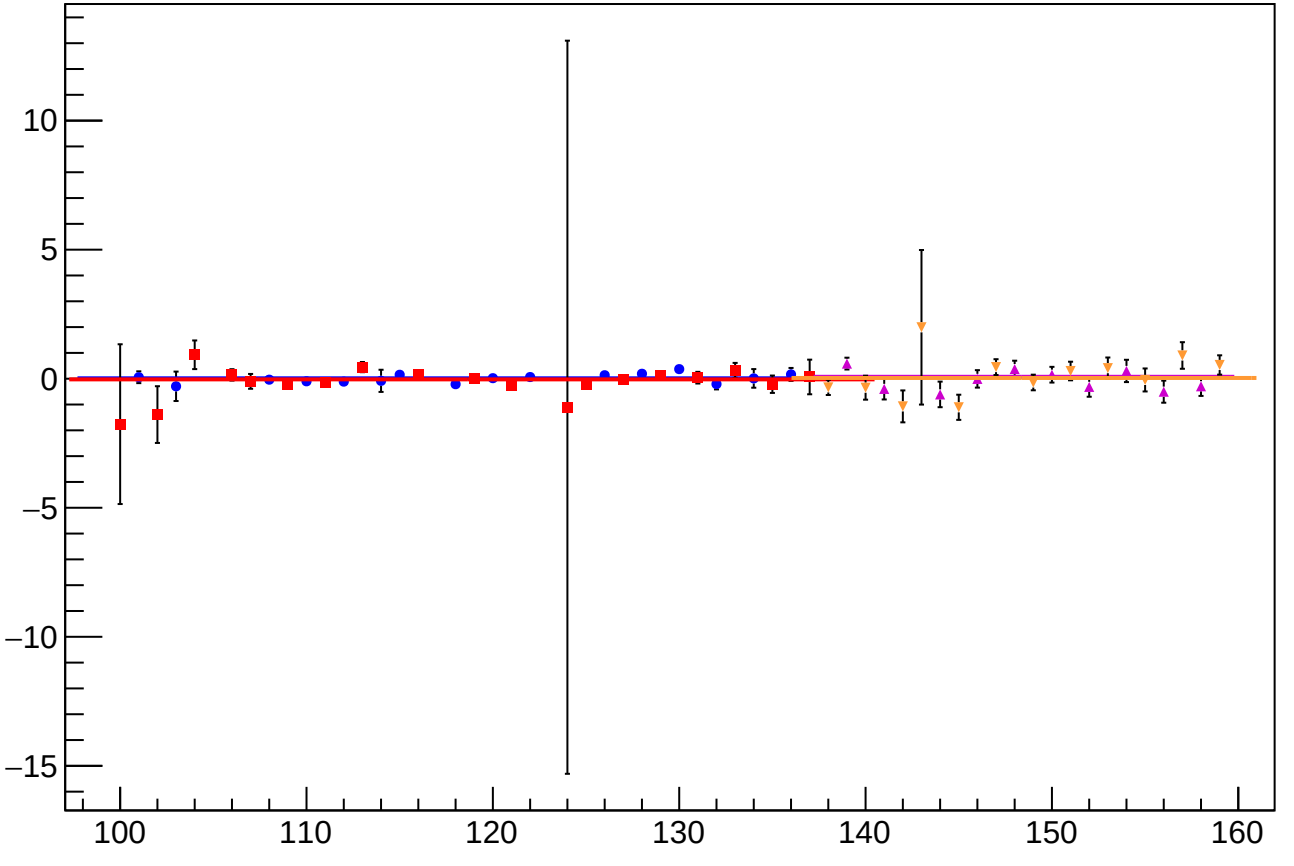
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 148.598+/-0.031 χ^2/NDF:7918583.2/25

Out: 143.616+/-0.031 χ^2/NDF:10558713.2/30

All: 146.081+/-0.022 χ^2/NDF: 18490311.2/56

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

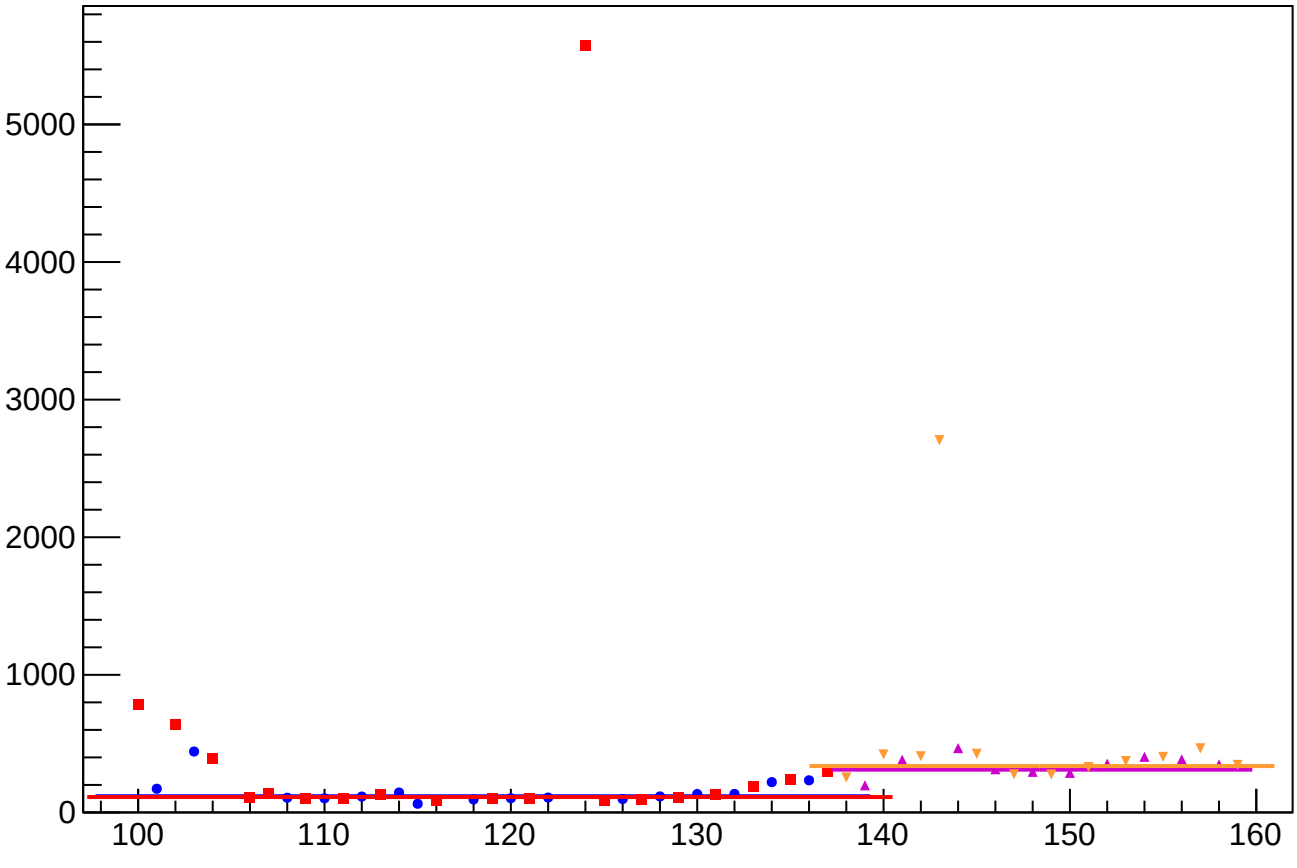
Left: 0.053+/-0.080 χ^2/NDF: 32.9/21

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.003+/-0.031 χ^2/NDF: 67.6/56



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.105+/-0.082 χ^2/NDF:1914305.4/11

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

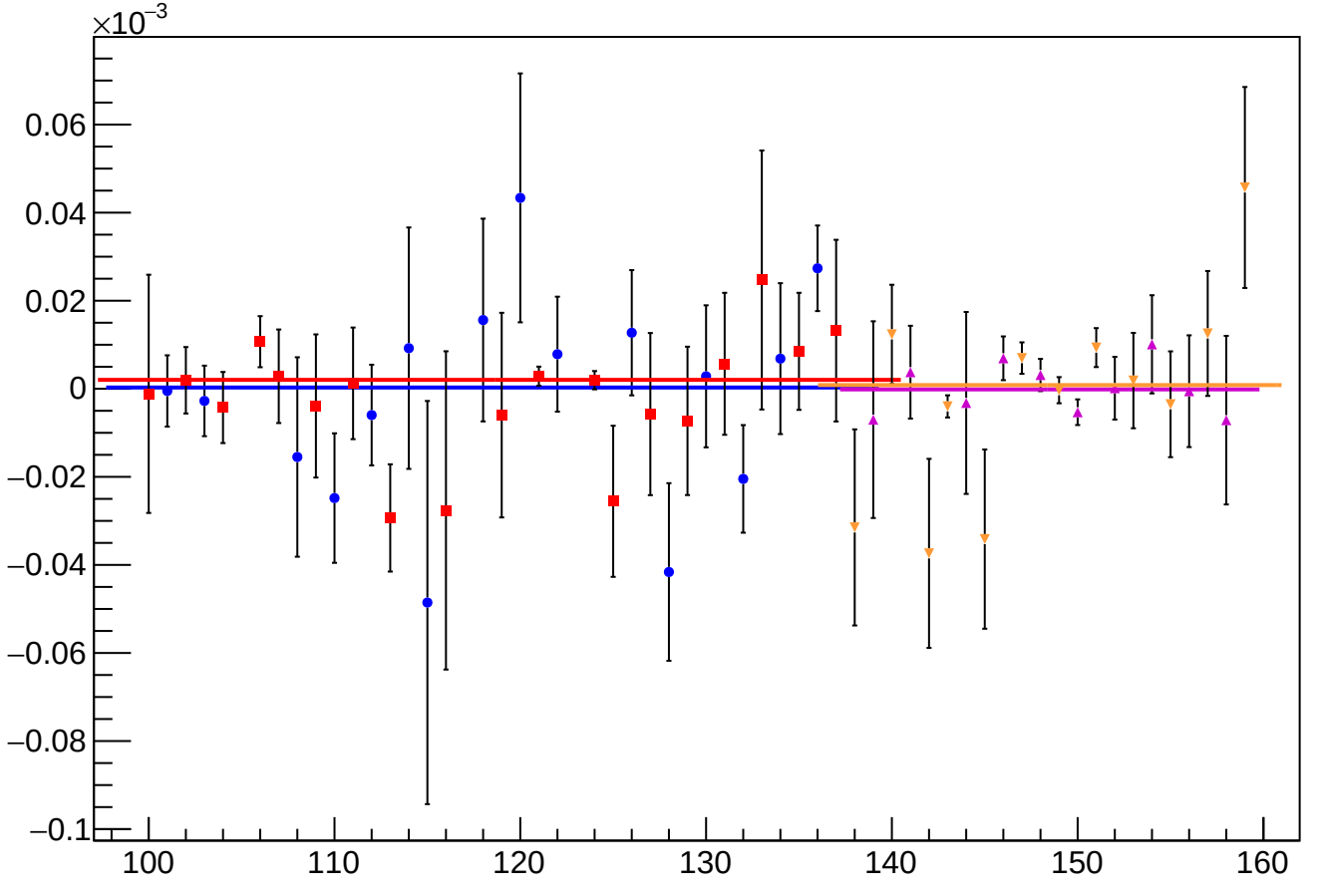
Left: 323.385+/-0.056 χ^2/NDF: 2942386.2/21

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 148.598+/-0.031 χ^2/NDF:7918583.2/25

Out: 143.616+/-0.031 χ^2/NDF:10558713.2/30

All: 146.081+/-0.022 χ^2/NDF: 18490311.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/9

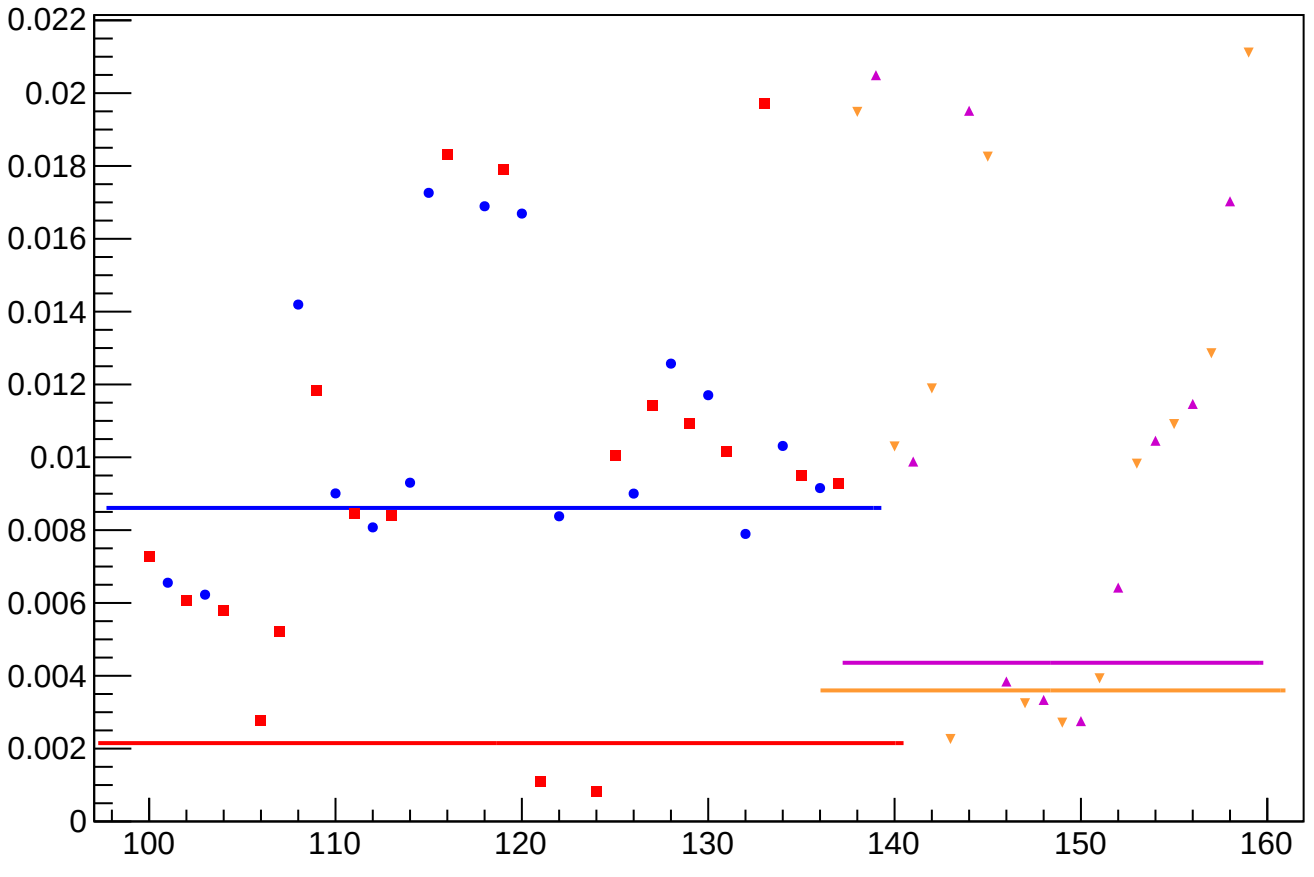
Left: 0.000+/-0.000 χ^2/NDF: 31.9/21

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.3/25

Out: 0.000+/-0.000 χ^2/NDF:39.6/30

All: 0.000+/-0.000 χ^2/NDF: 71.6/56



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7264890.1/11

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:5722958.6/9

Left: 0.004+/-0.000 χ^2/NDF: 13186218.3/21

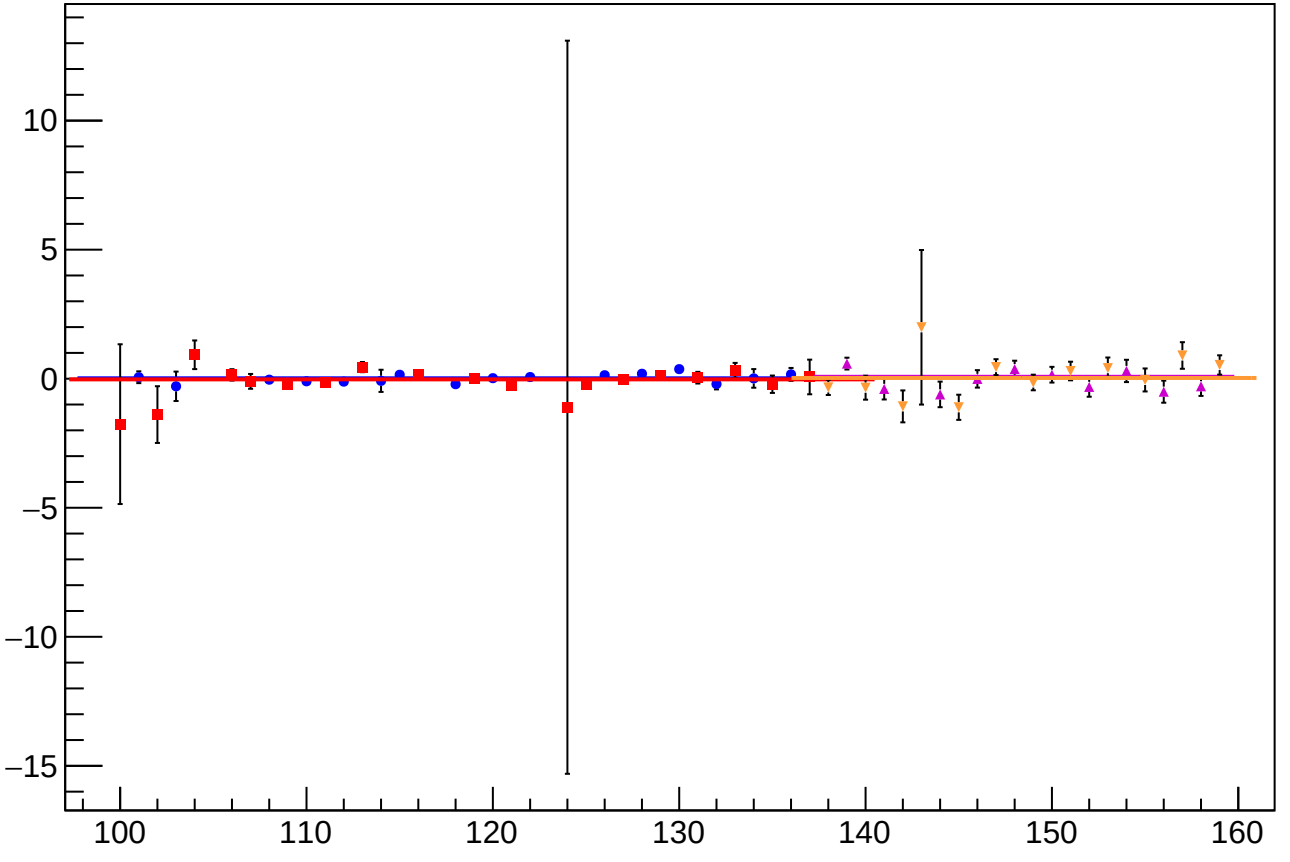
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9261607.6/25

Out: 0.003+/-0.000 χ^2/NDF:17379530.2/30

All: 0.003+/-0.000 χ^2/NDF: 30234008.1/56

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

Left: 0.053+/-0.080 χ^2/NDF: 32.9/21

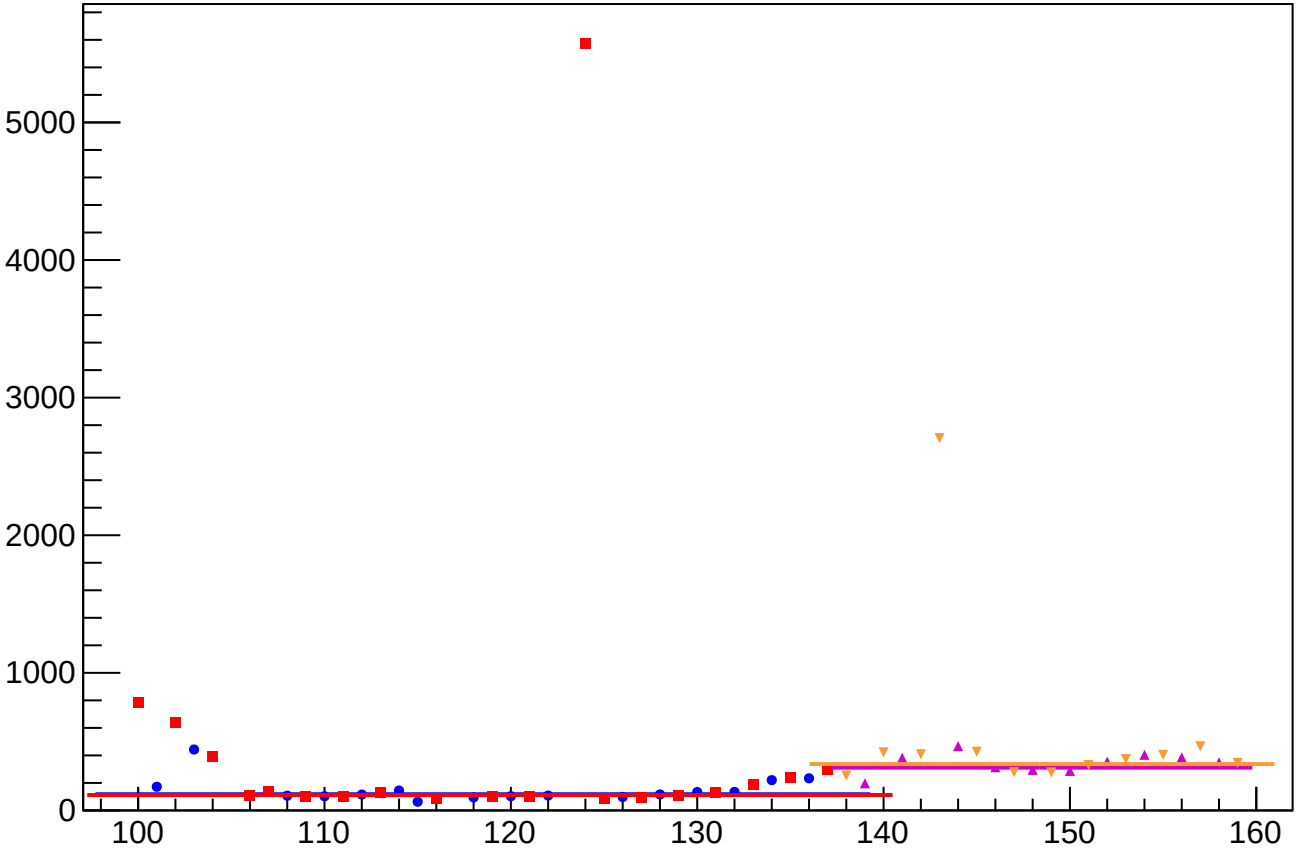
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.003+/-0.031 χ^2/NDF: 67.6/56

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: 337.108+/-0.082 χ^2/NDF:1914350.0/11

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

Left: 323.389+/-0.056 χ^2/NDF: 2942427.3/21

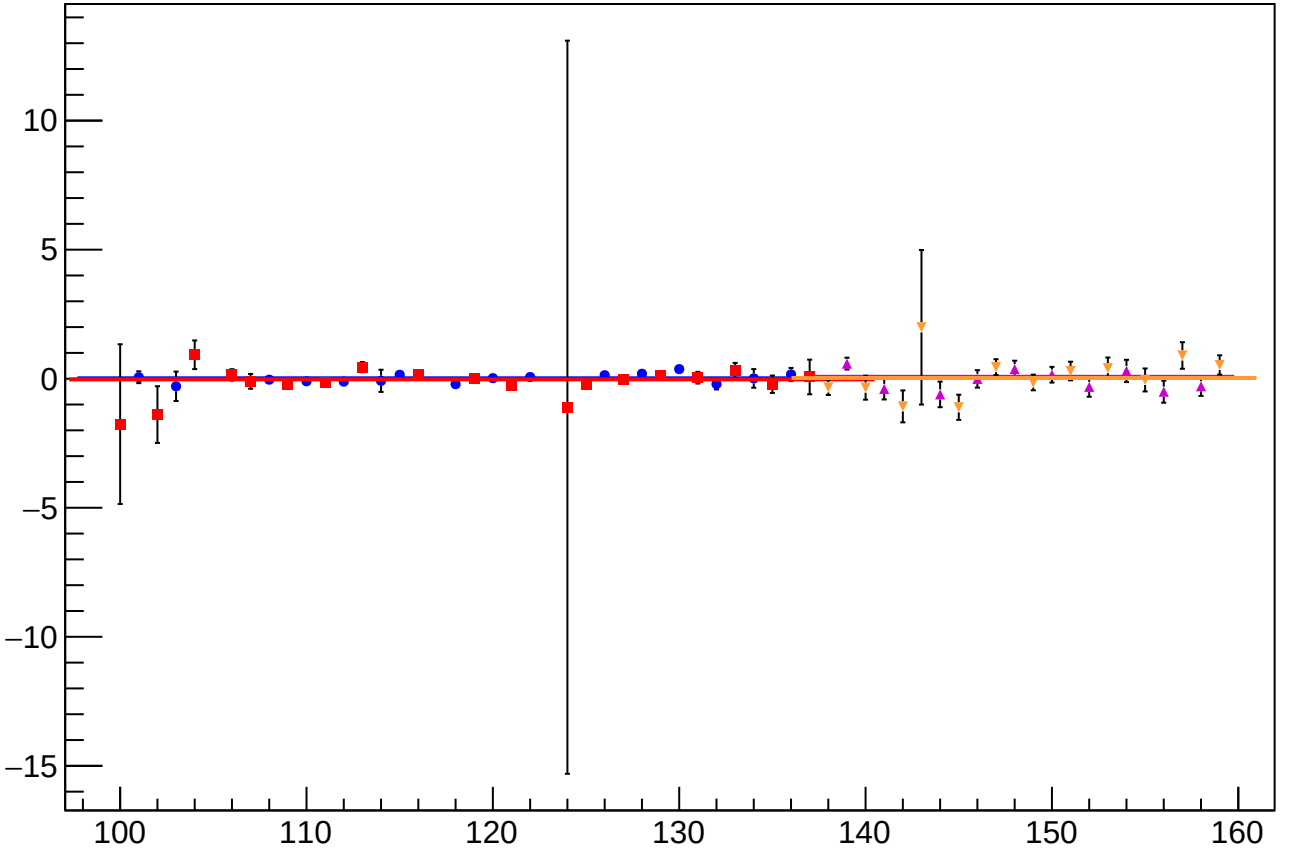
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 148.598+/-0.031 χ^2/NDF:7918654.6/25

Out: 143.618+/-0.031 χ^2/NDF:10558649.7/30

All: 146.082+/-0.022 χ^2/NDF: 18490309.1/56

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: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

Left: 0.053+/-0.080 χ^2/NDF: 32.9/21

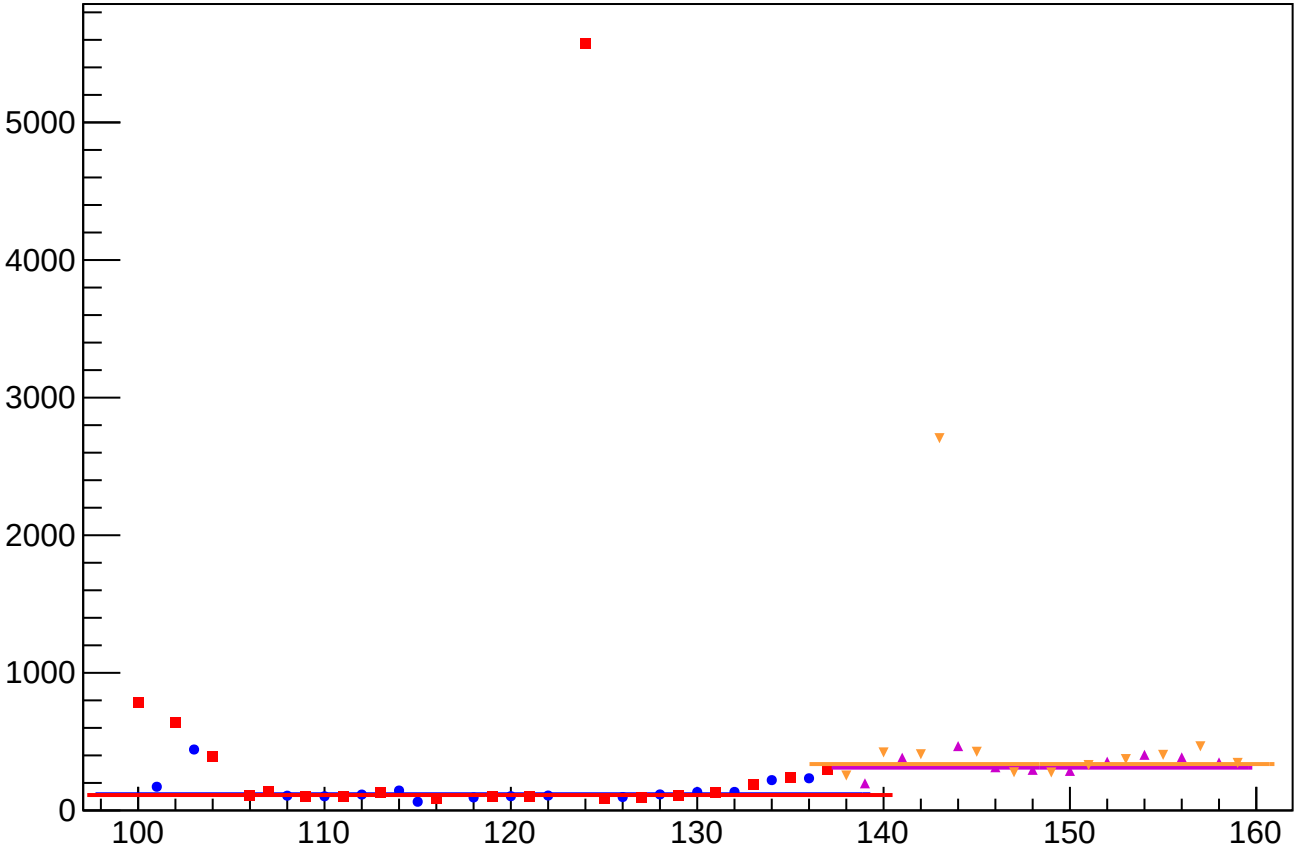
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.003+/-0.031 χ^2/NDF: 67.6/56

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: 337.108+/-0.082 χ^2/NDF:1914350.0/11

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

Left: 323.389+/-0.056 χ^2/NDF: 2942427.3/21

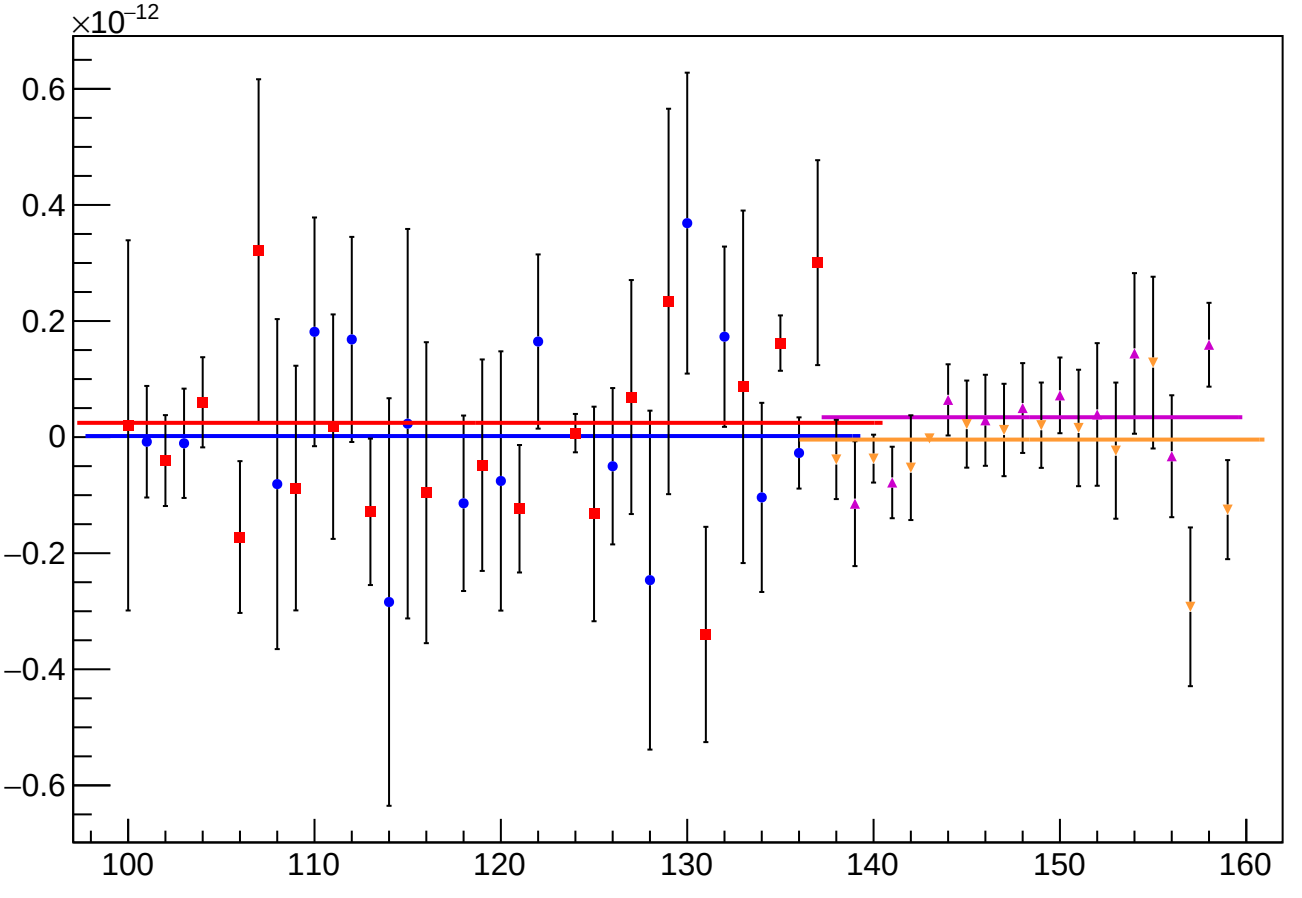
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 148.598+/-0.031 χ^2/NDF:7918654.6/25

Out: 143.618+/-0.031 χ^2/NDF:10558649.7/30

All: 146.082+/-0.022 χ^2/NDF: 18490309.1/56

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/9

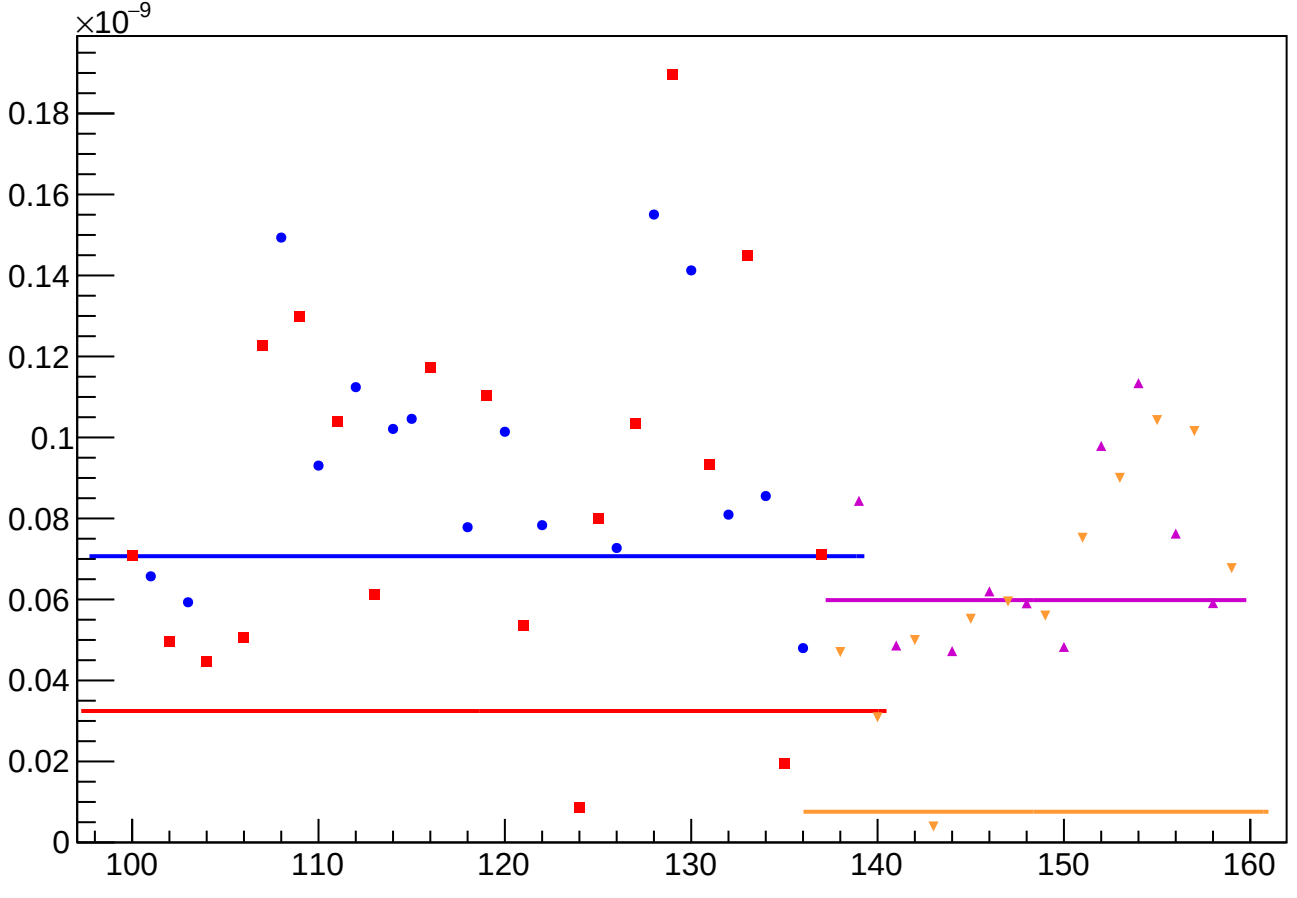
Left: -0.000+/-0.000 χ^2/NDF: 21.0/21

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:19.6/25

Out: -0.000+/-0.000 χ^2/NDF:34.7/30

All: 0.000+/-0.000 χ^2/NDF: 55.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9571861.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:859960.1/9

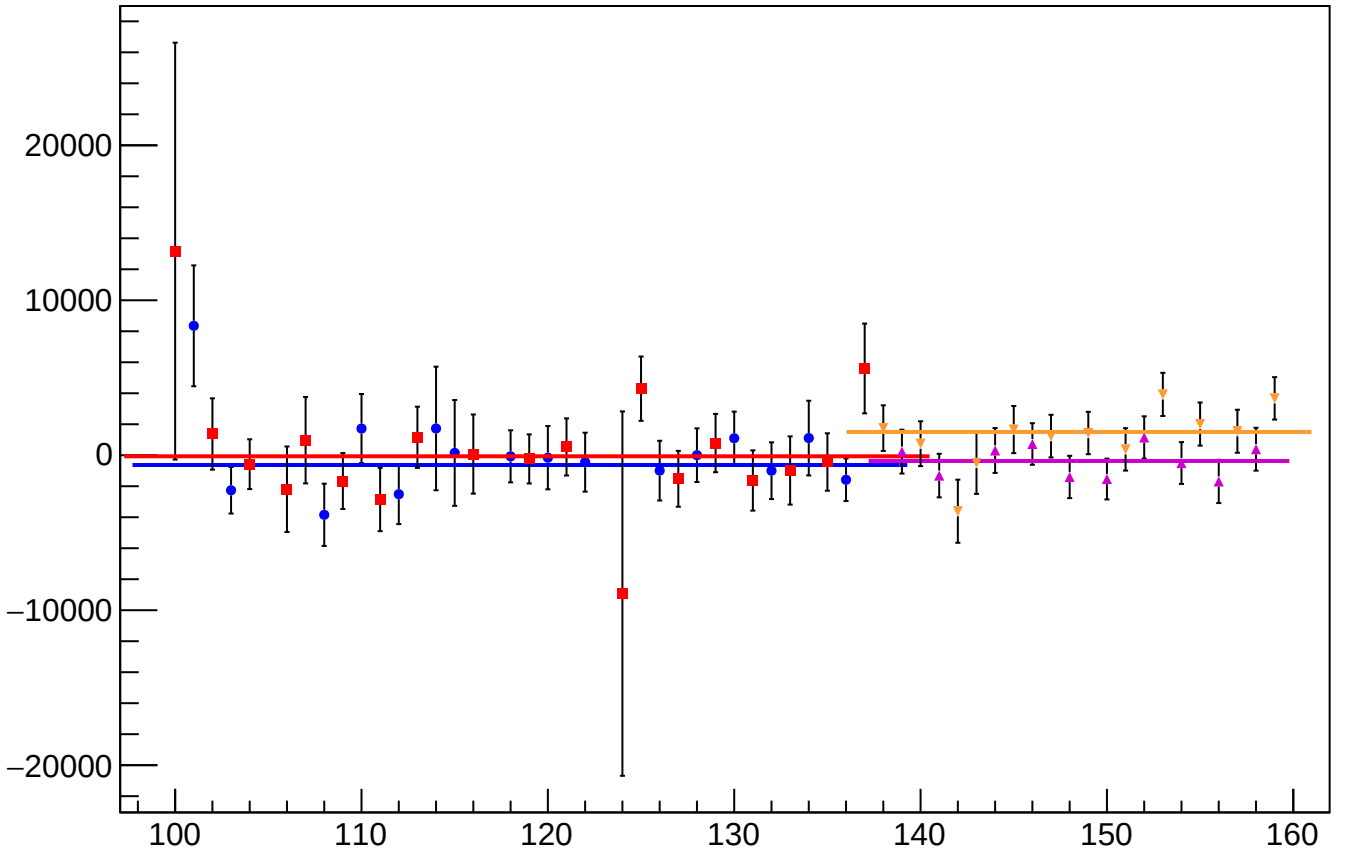
Left: 0.000+/-0.000 χ^2/NDF: 18547568.7/21

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2012938.8/25

Out: 0.000+/-0.000 χ^2/NDF:16455682.2/30

All: 0.000+/-0.000 χ^2/NDF: 31453384.7/56



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.699+/-424.834 χ^2/NDF:14.0/11

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -370.992+/-435.347 χ^2/NDF:5.3/9

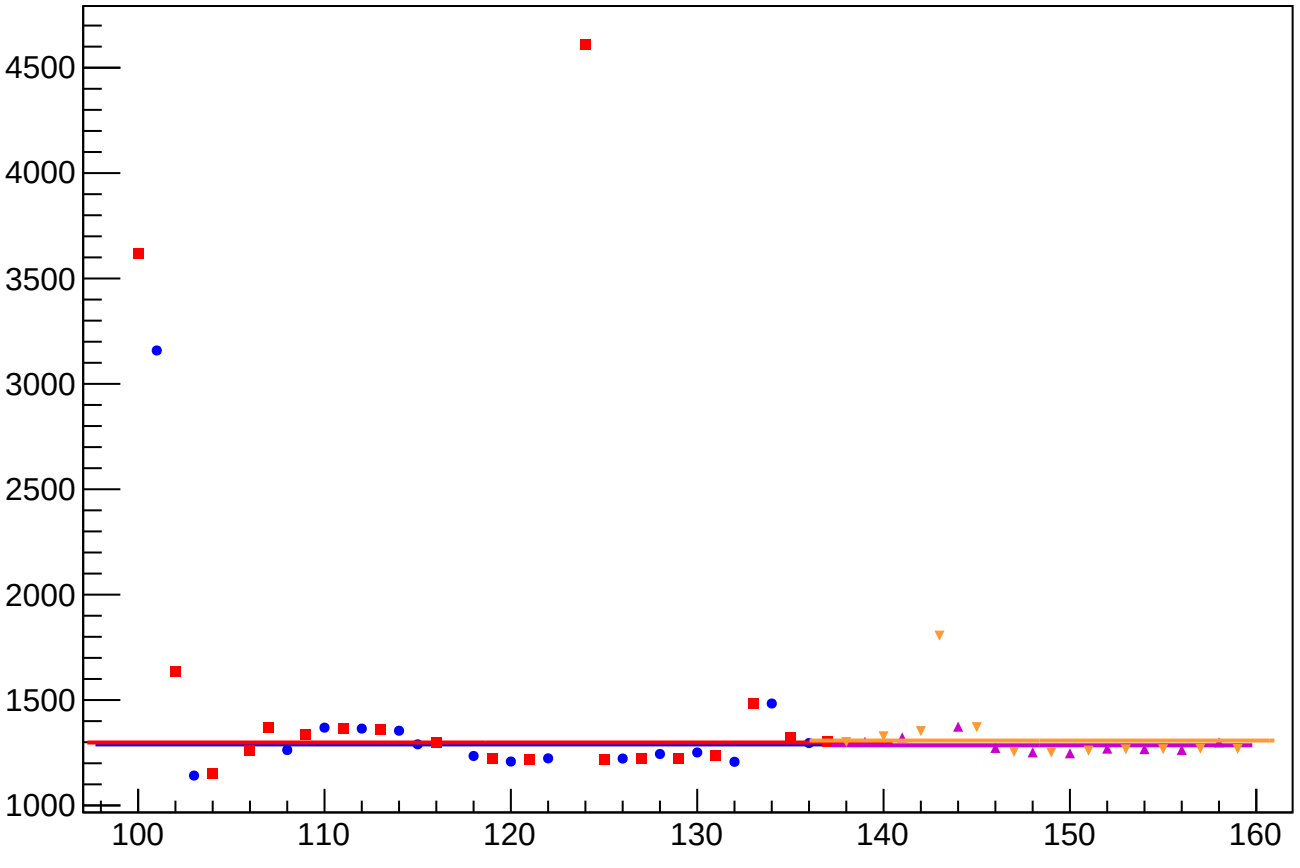
Left: 588.751+/-304.052 χ^2/NDF: 28.8/21

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -486.062+/-325.059 χ^2/NDF:19.4/25

Out: 825.297+/-320.356 χ^2/NDF:35.8/30

All: 179.172+/-228.170 χ^2/NDF: 63.4/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

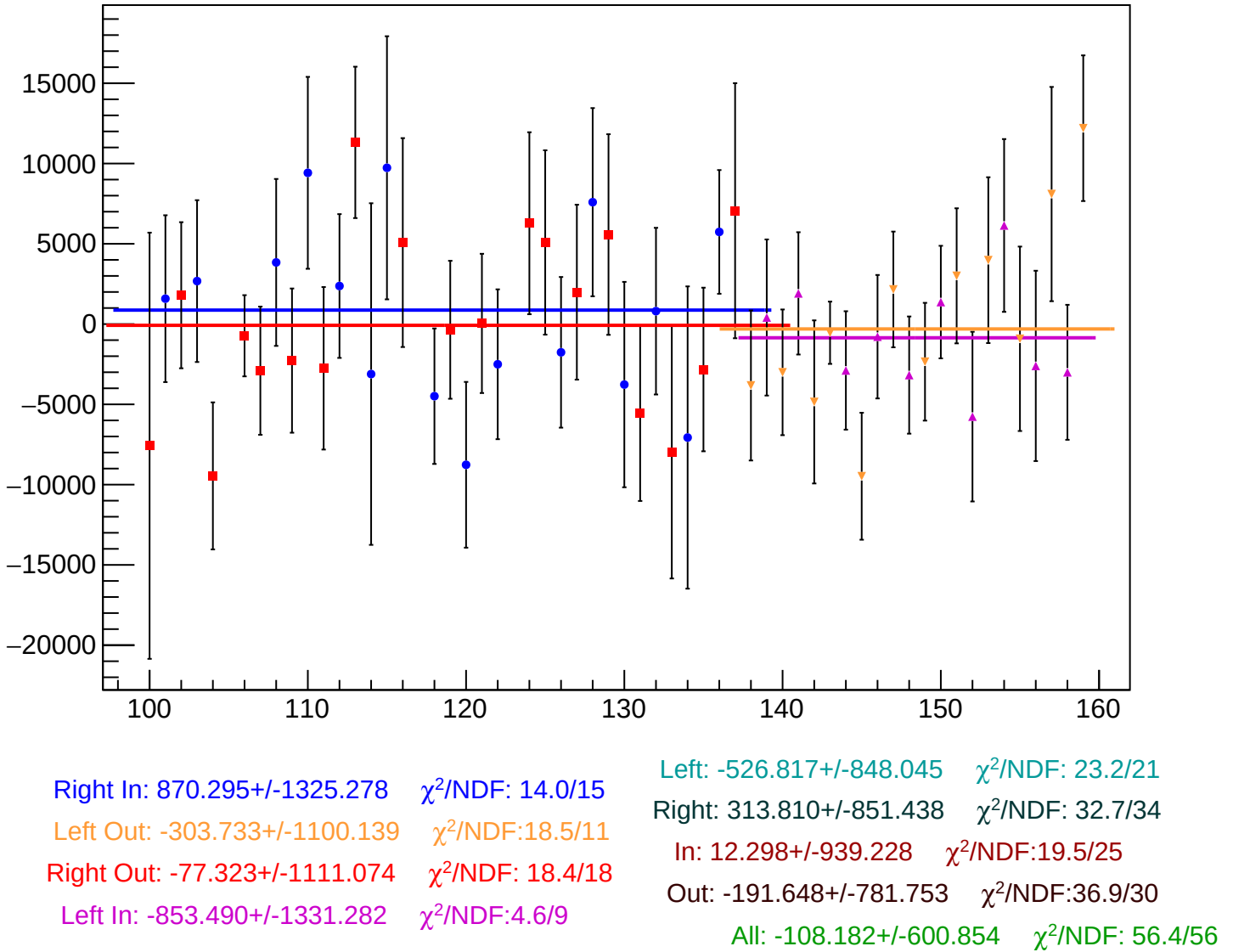
Left: 1296.894+/-0.215 χ^2/NDF: 160852.1/21

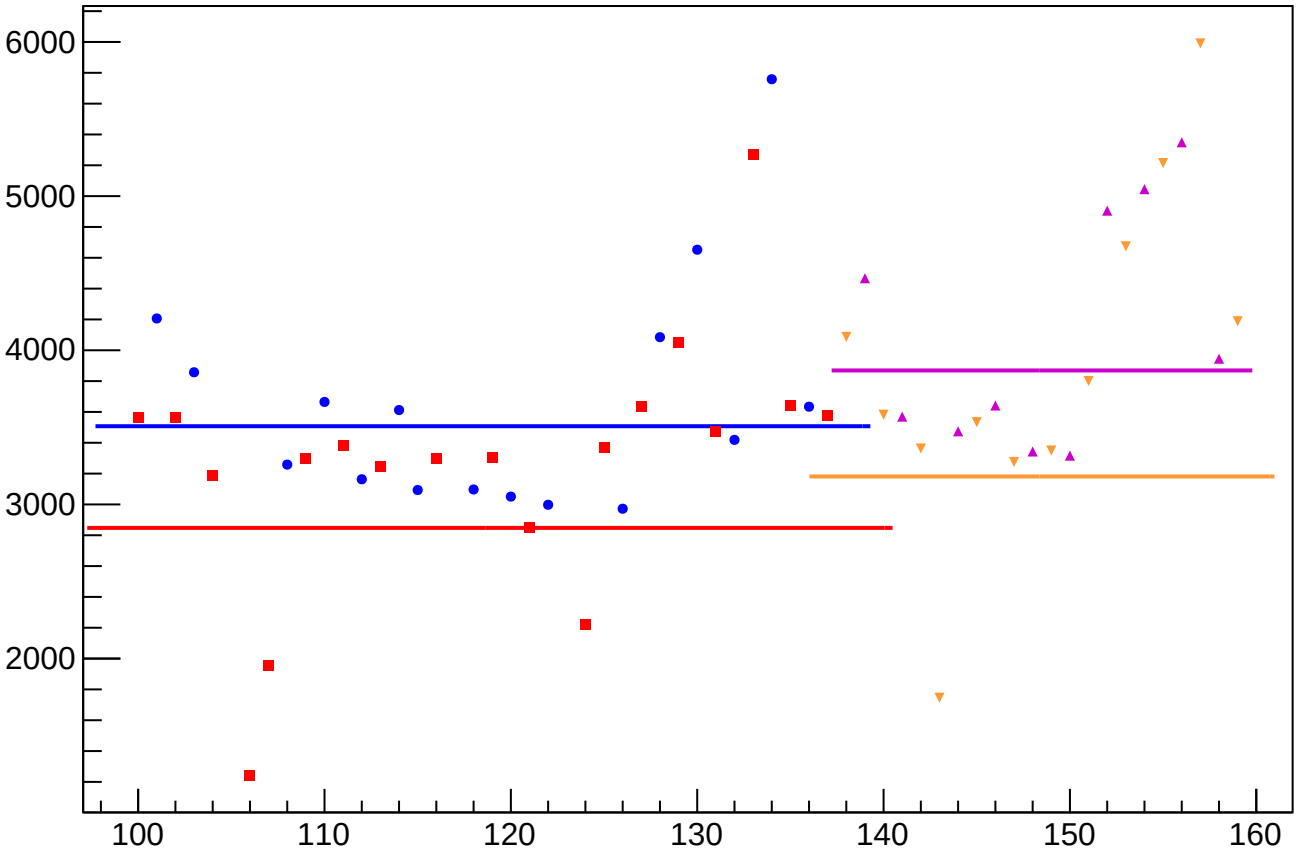
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1287.207+/-0.230 χ^2/NDF:528223.0/25

Out: 1303.859+/-0.226 χ^2/NDF:464443.4/30

All: 1295.664+/-0.161 χ^2/NDF: 995332.1/56


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -303.733+/-1100.139 χ²/NDF:18.5/11
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -853.490+/-1331.282 χ²/NDF:4.6/9
Left: -526.817+/-848.045 χ²/NDF: 23.2/21
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 12.298+/-939.228 χ²/NDF:19.5/25
Out: -191.648+/-781.753 χ²/NDF:36.9/30
All: -108.182+/-600.854 χ²/NDF: 56.4/56



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3181.363+/-0.778 χ^2/NDF:2129386.8/11

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

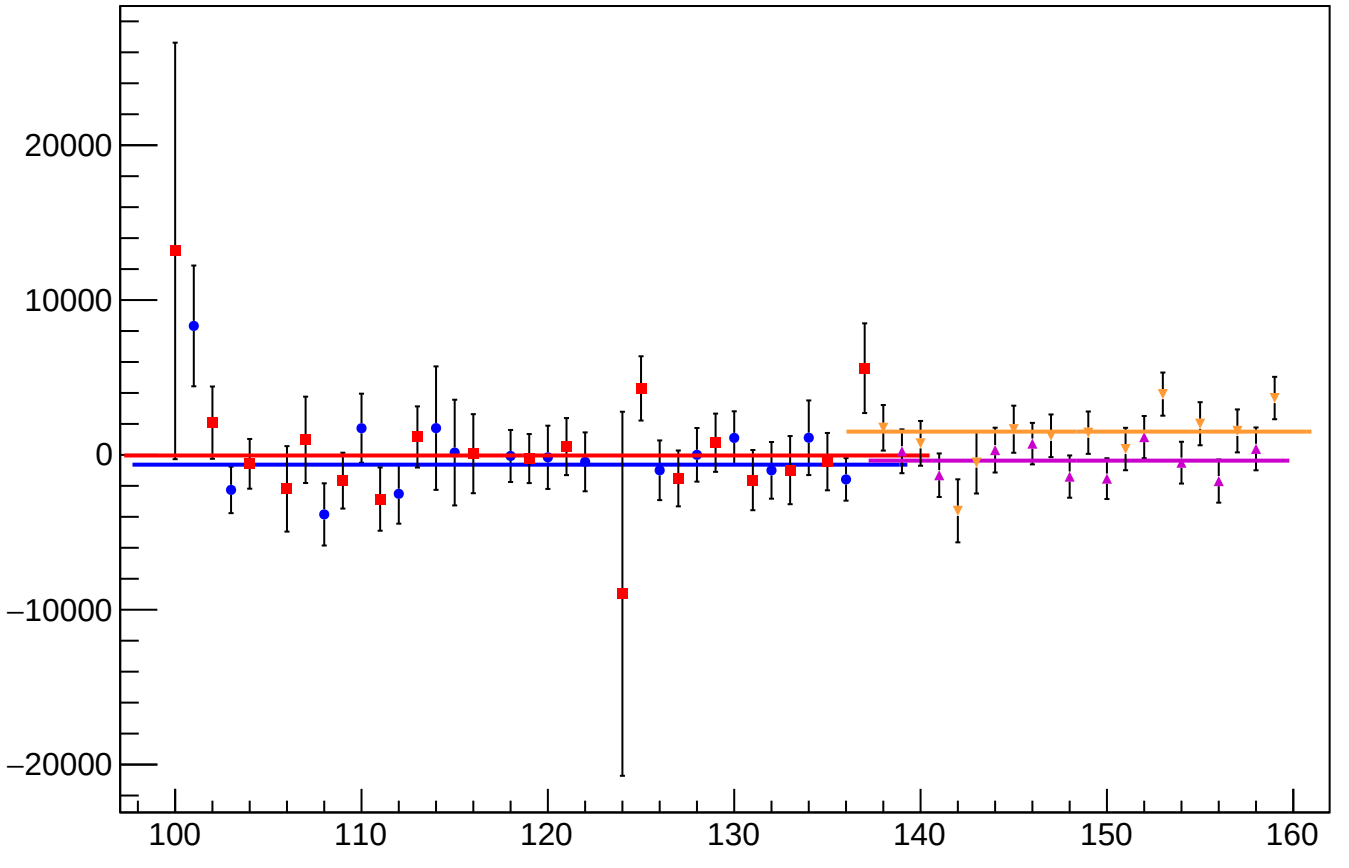
Left: 3460.456+/-0.600 χ^2/NDF: 2908160.8/21

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3687.453+/-0.664 χ^2/NDF:889723.8/25

Out: 3016.247+/-0.553 χ^2/NDF:3719764.2/30

All: 3290.943+/-0.425 χ^2/NDF: 5212877.0/56



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

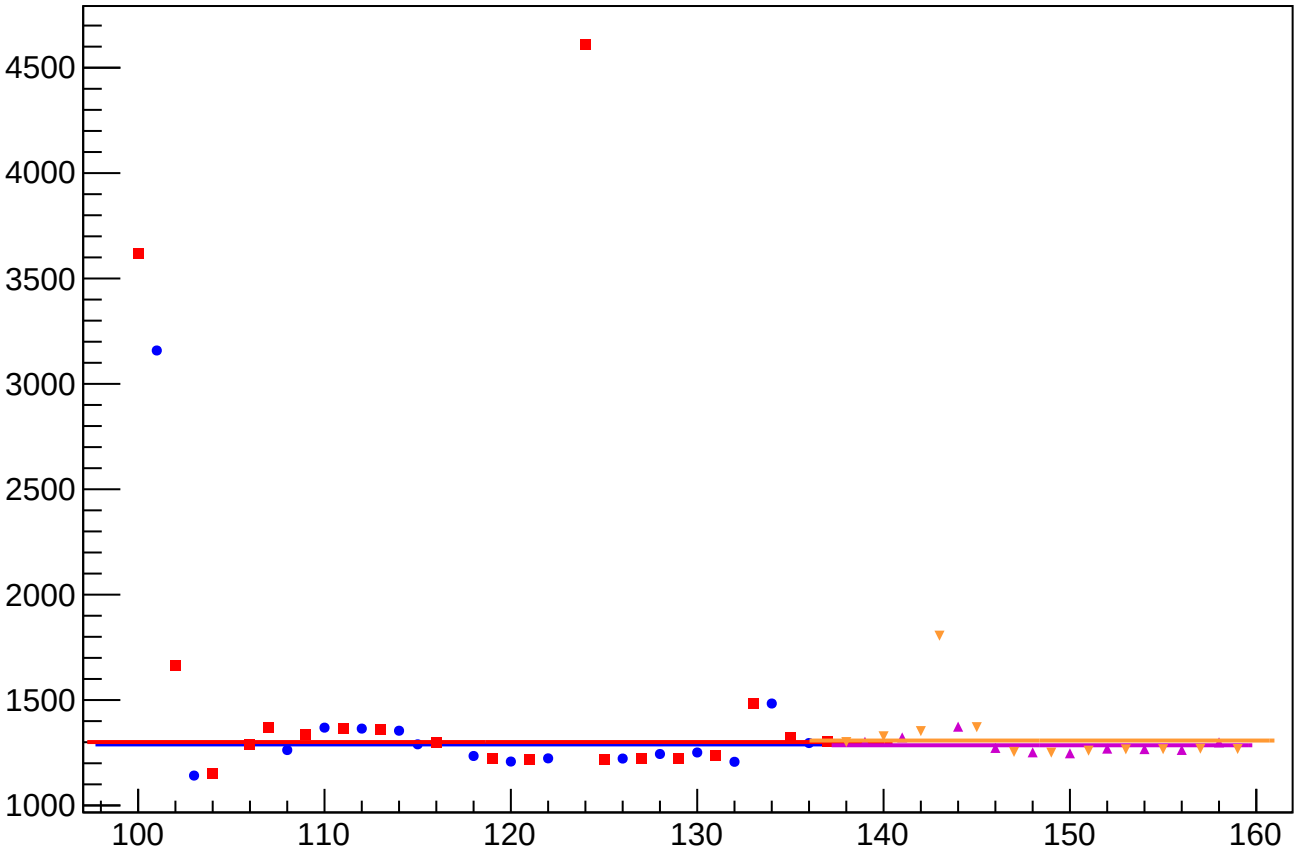
Left: 588.756+/-304.052 χ^2/NDF: 28.8/21

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 185.506+/-228.203 χ^2/NDF: 63.8/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

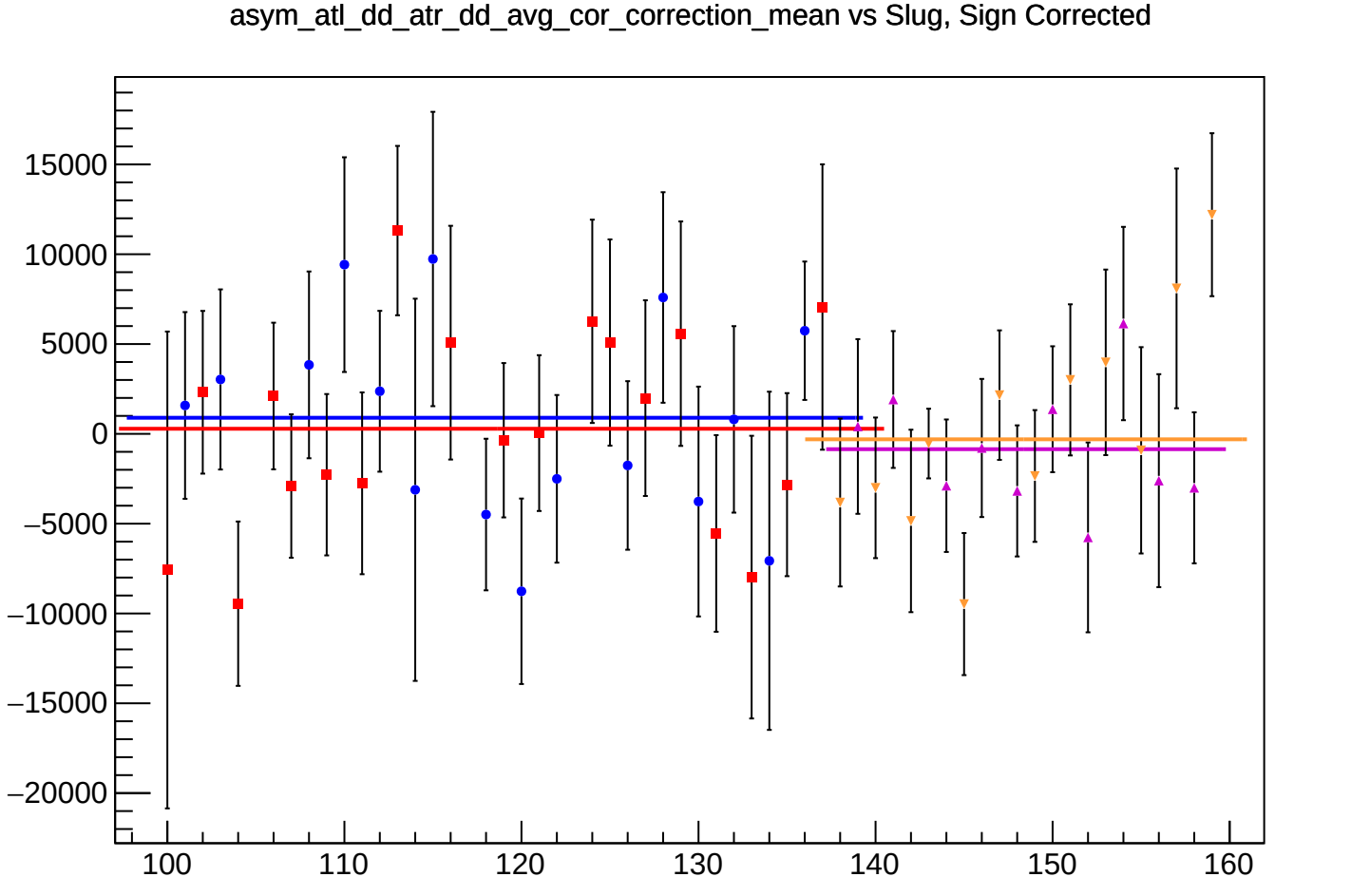
Left: 1296.894+/-0.215 χ^2/NDF: 160852.0/21

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -303.634+/-1100.137 χ^2/NDF:18.5/11

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -853.565+/-1331.280 χ^2/NDF:4.6/9

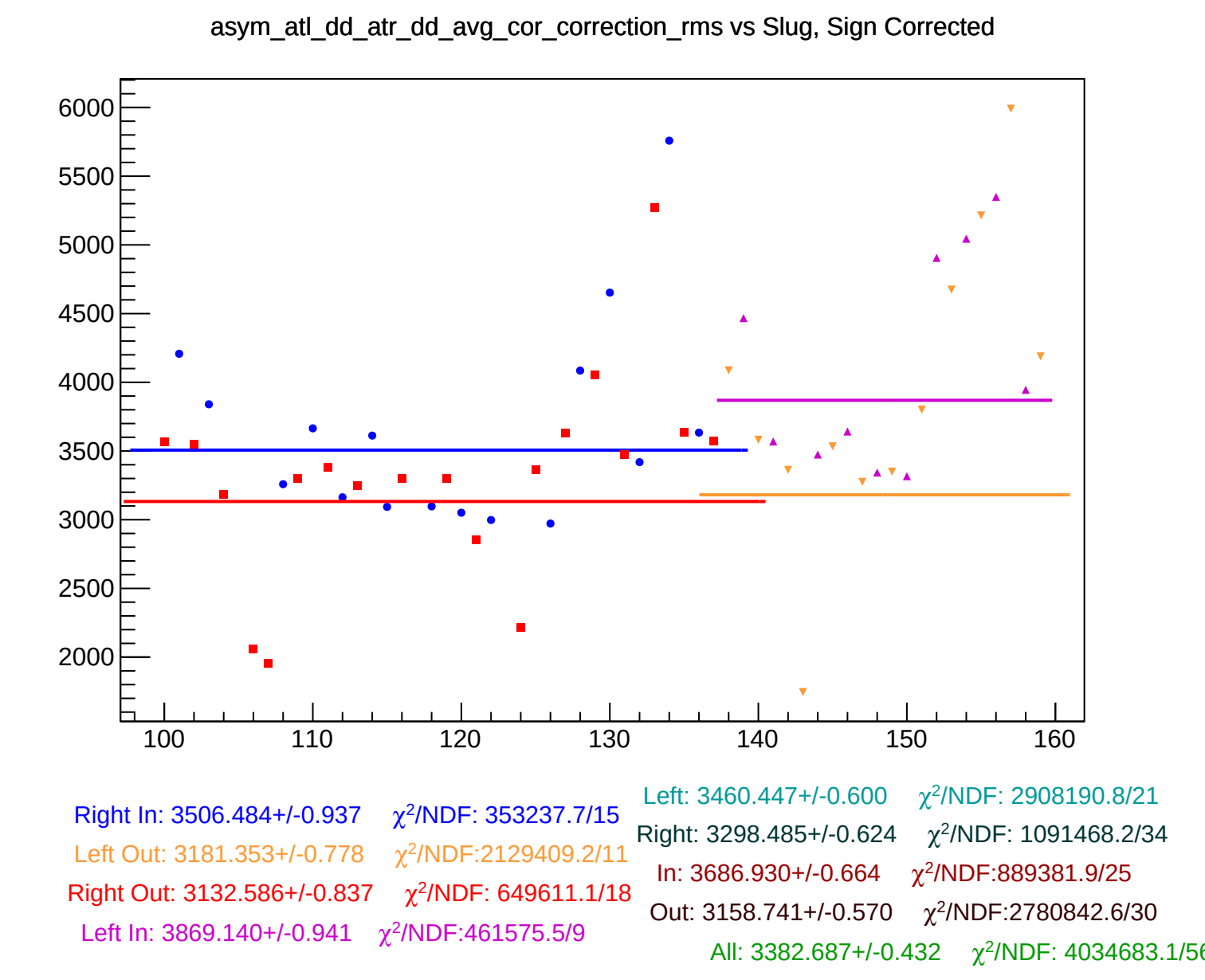
Left: -526.788+/-848.043 χ^2/NDF: 23.2/21

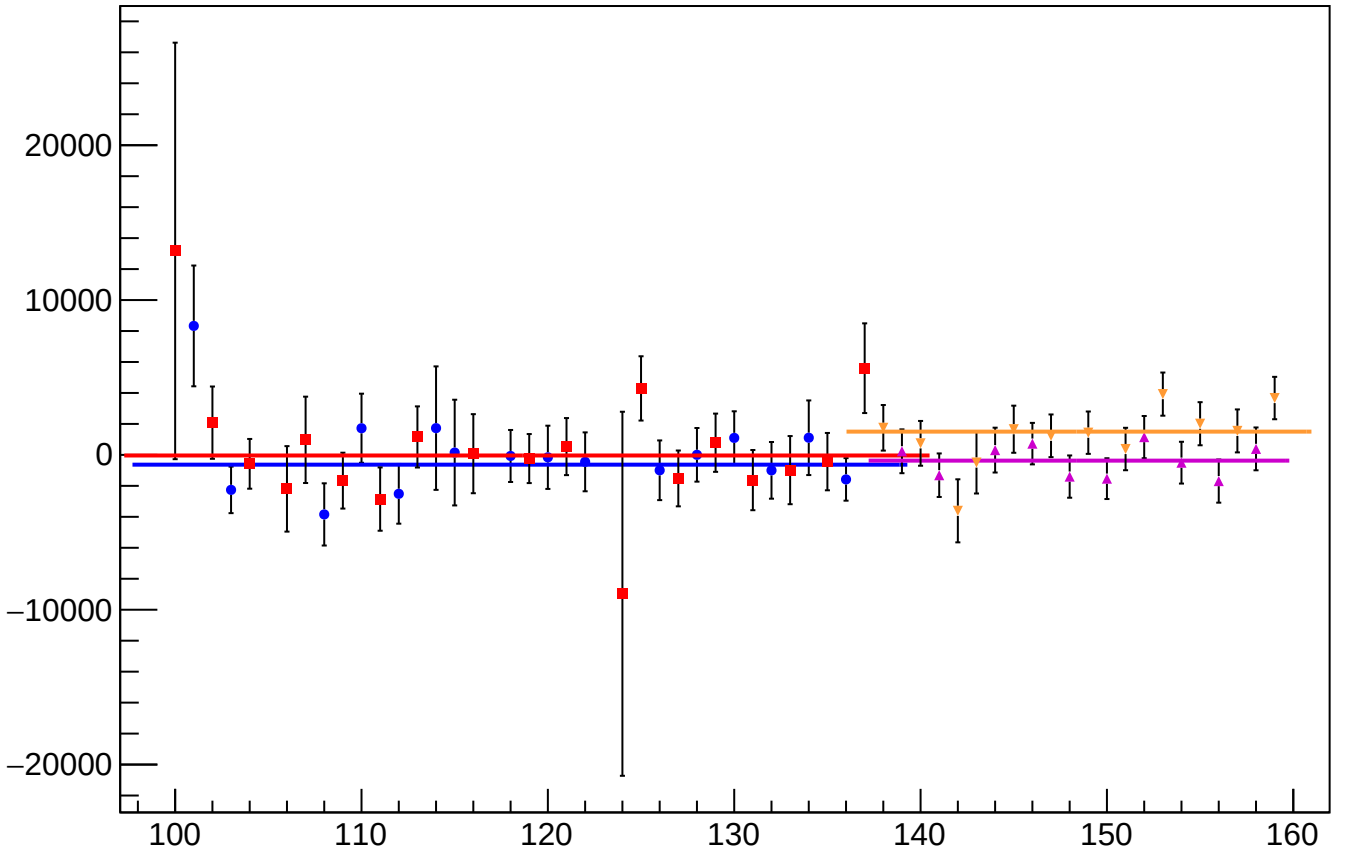
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 25.479+/-939.066 χ^2/NDF:19.6/25

Out: -31.176+/-805.671 χ^2/NDF:37.3/30

All: -7.155+/-611.467 χ^2/NDF: 56.8/56


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3181.353+/-0.778 χ²/NDF:2129409.2/11
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 3869.140+/-0.941 χ²/NDF:461575.5/9
Left: 3460.447+/-0.600 χ²/NDF: 2908190.8/21
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3686.930+/-0.664 χ²/NDF:889381.9/25
Out: 3158.741+/-0.570 χ²/NDF:2780842.6/30
All: 3382.687+/-0.432 χ²/NDF: 4034683.1/56



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

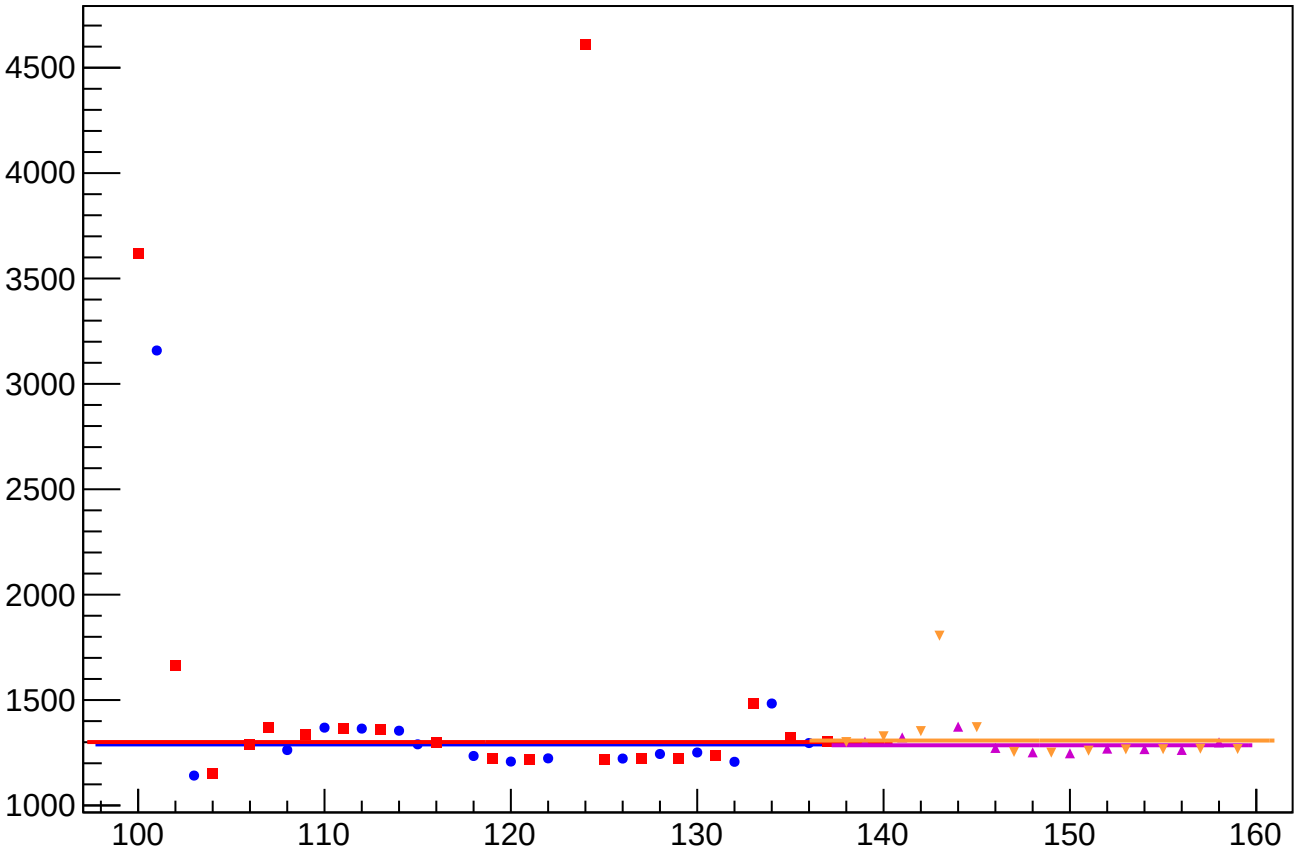
Left: 588.756+/-304.052 χ^2/NDF: 28.8/21

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 185.506+/-228.203 χ^2/NDF: 63.8/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

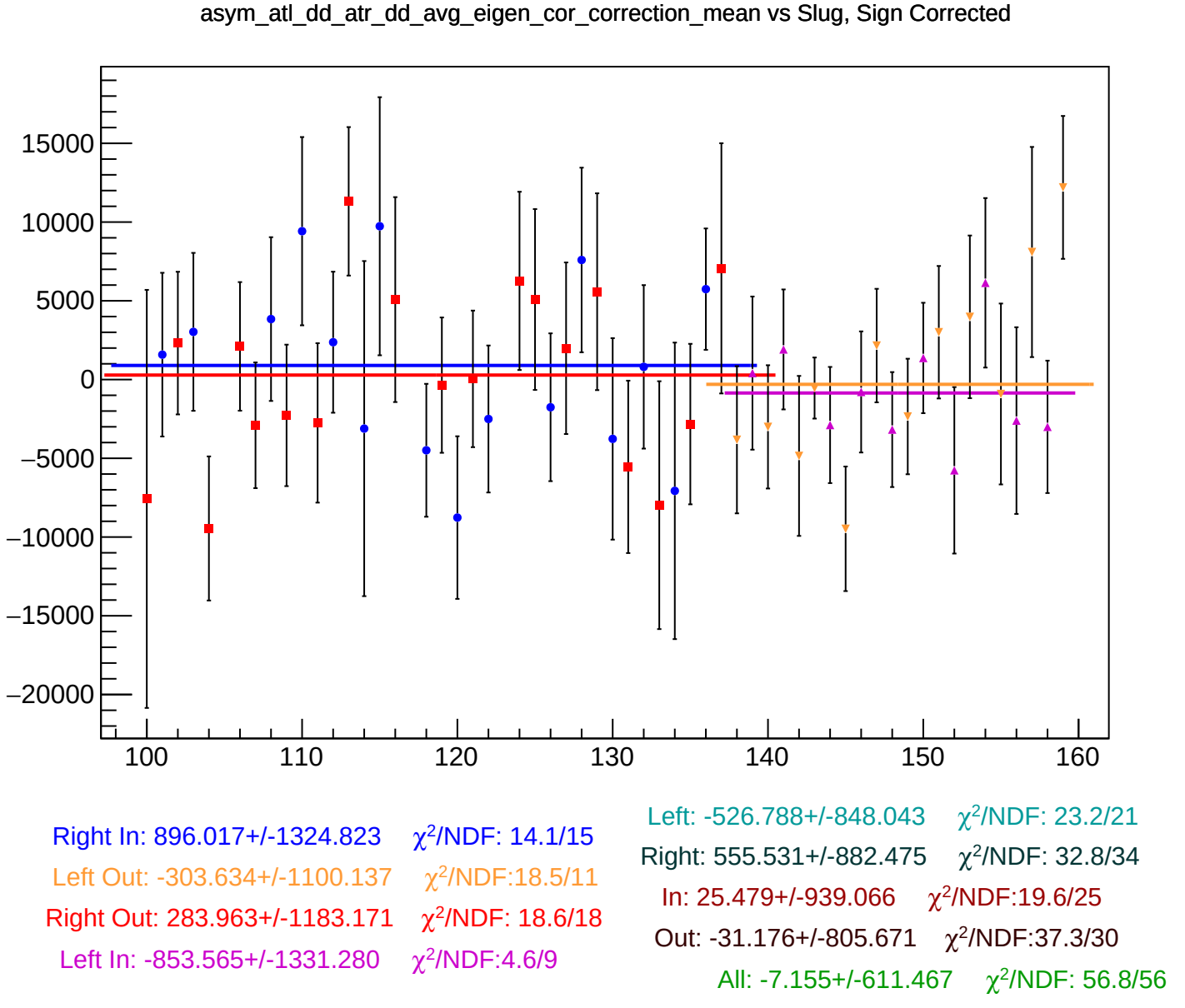
Left: 1296.894+/-0.215 χ^2/NDF: 160852.0/21

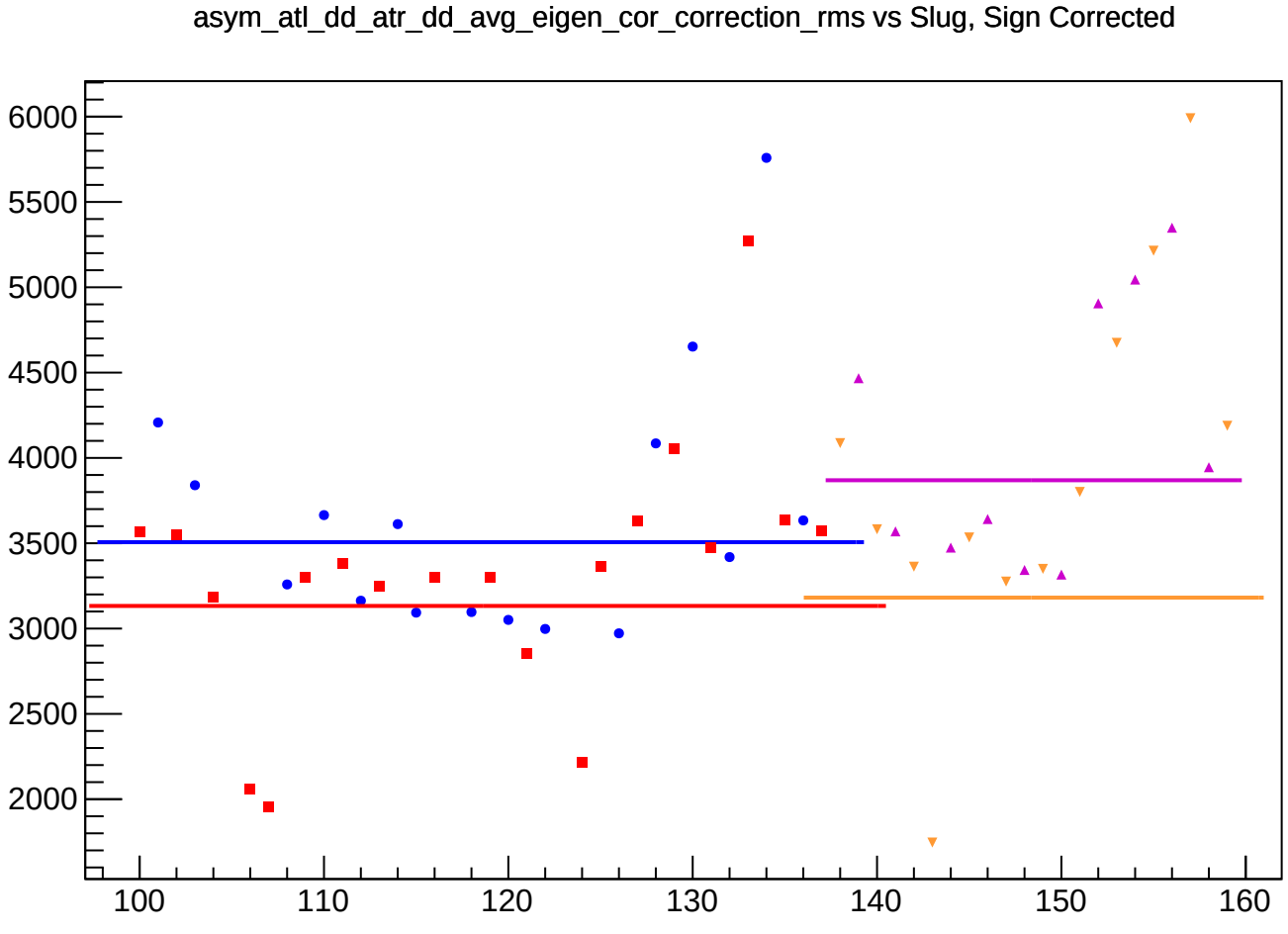
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -303.634+/-1100.137 χ²/NDF:18.5/11
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -526.788+/-848.043 χ²/NDF: 23.2/21
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -7.155+/-611.467 χ²/NDF: 56.8/56



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

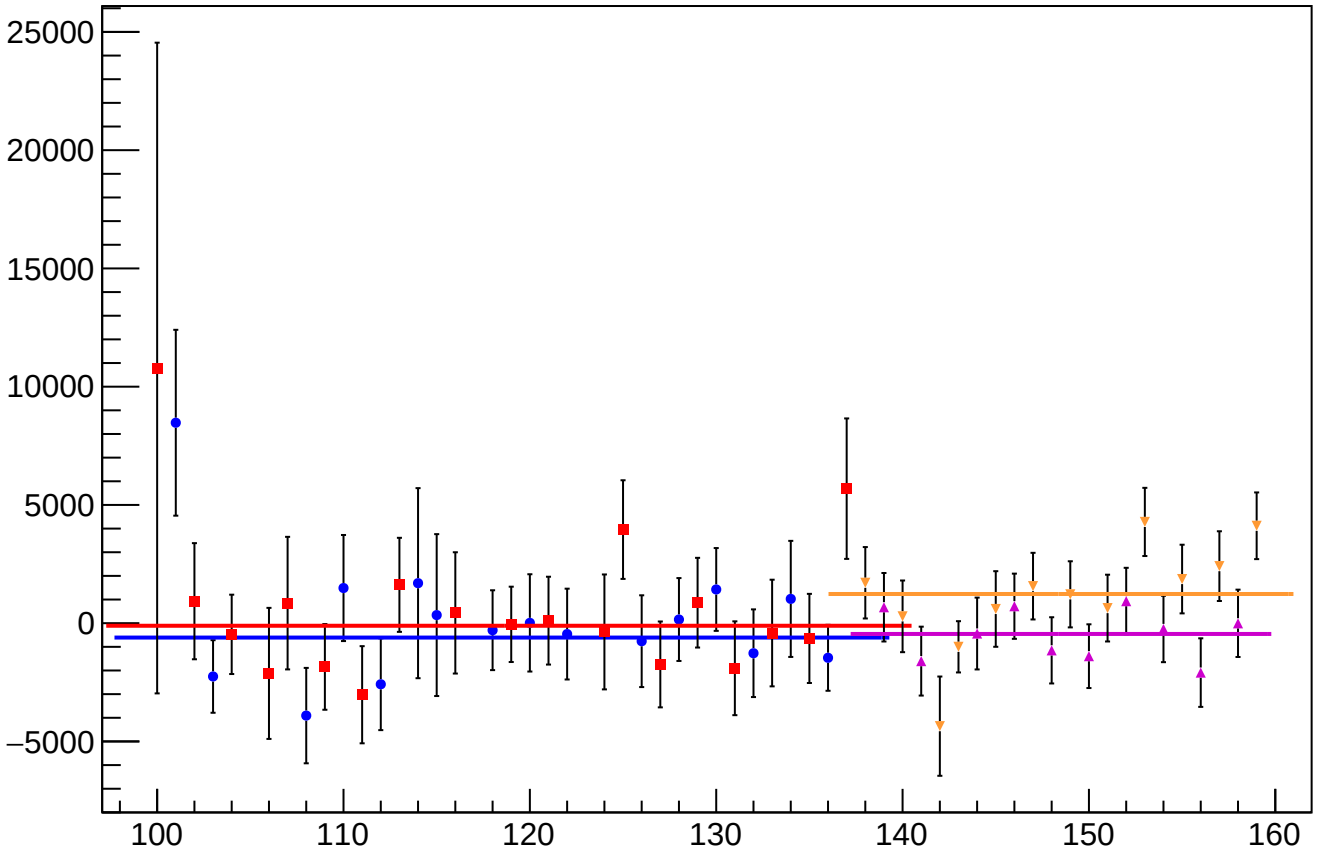
Left: 3460.447+/-0.600 χ^2/NDF: 2908190.8/21

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.548 χ^2/NDF:5.0/9

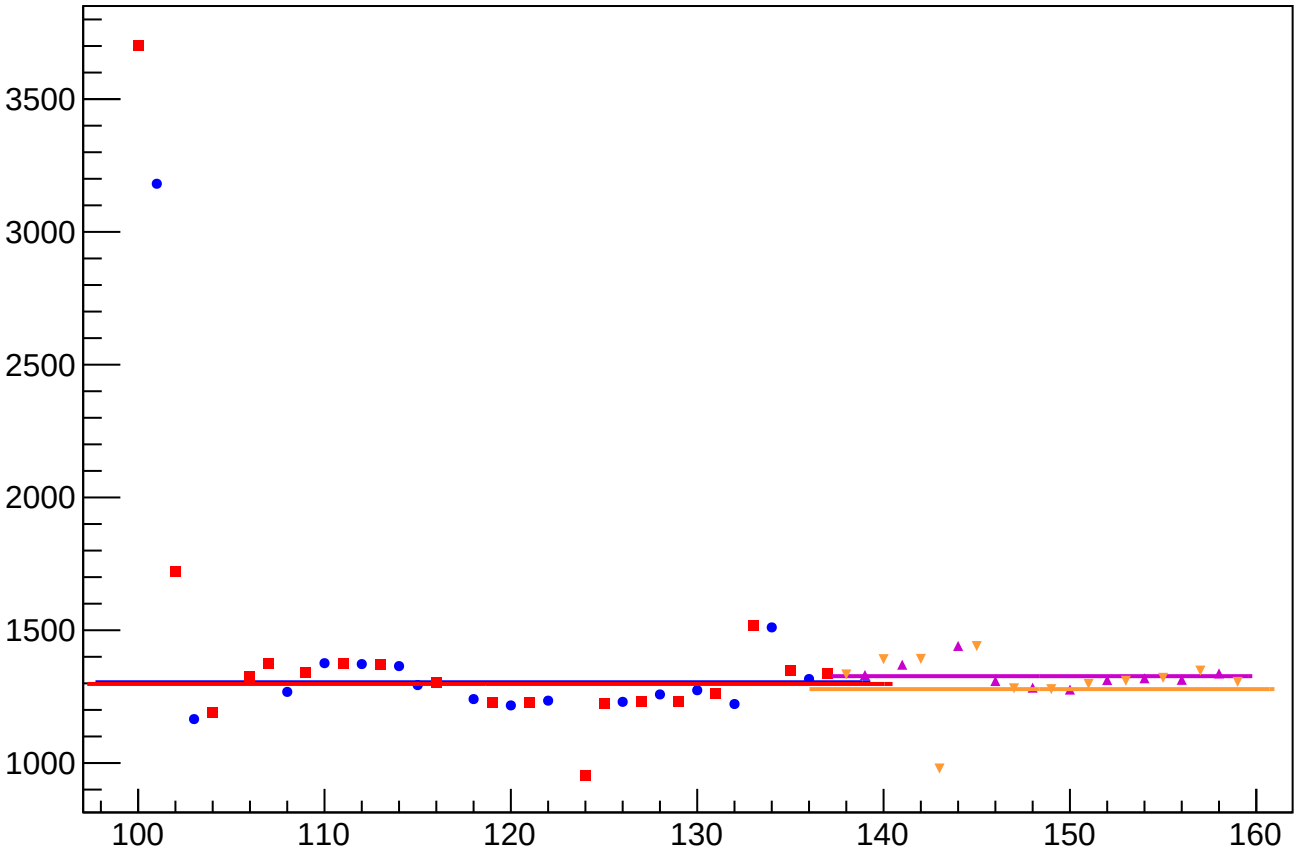
Left: 455.017+/-305.294 χ^2/NDF: 34.4/21

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -524.414+/-332.541 χ^2/NDF:19.2/25

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 101.352+/-229.022 χ^2/NDF: 66.9/56



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1278.303+/-0.294 χ^2/NDF:200587.6/11

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

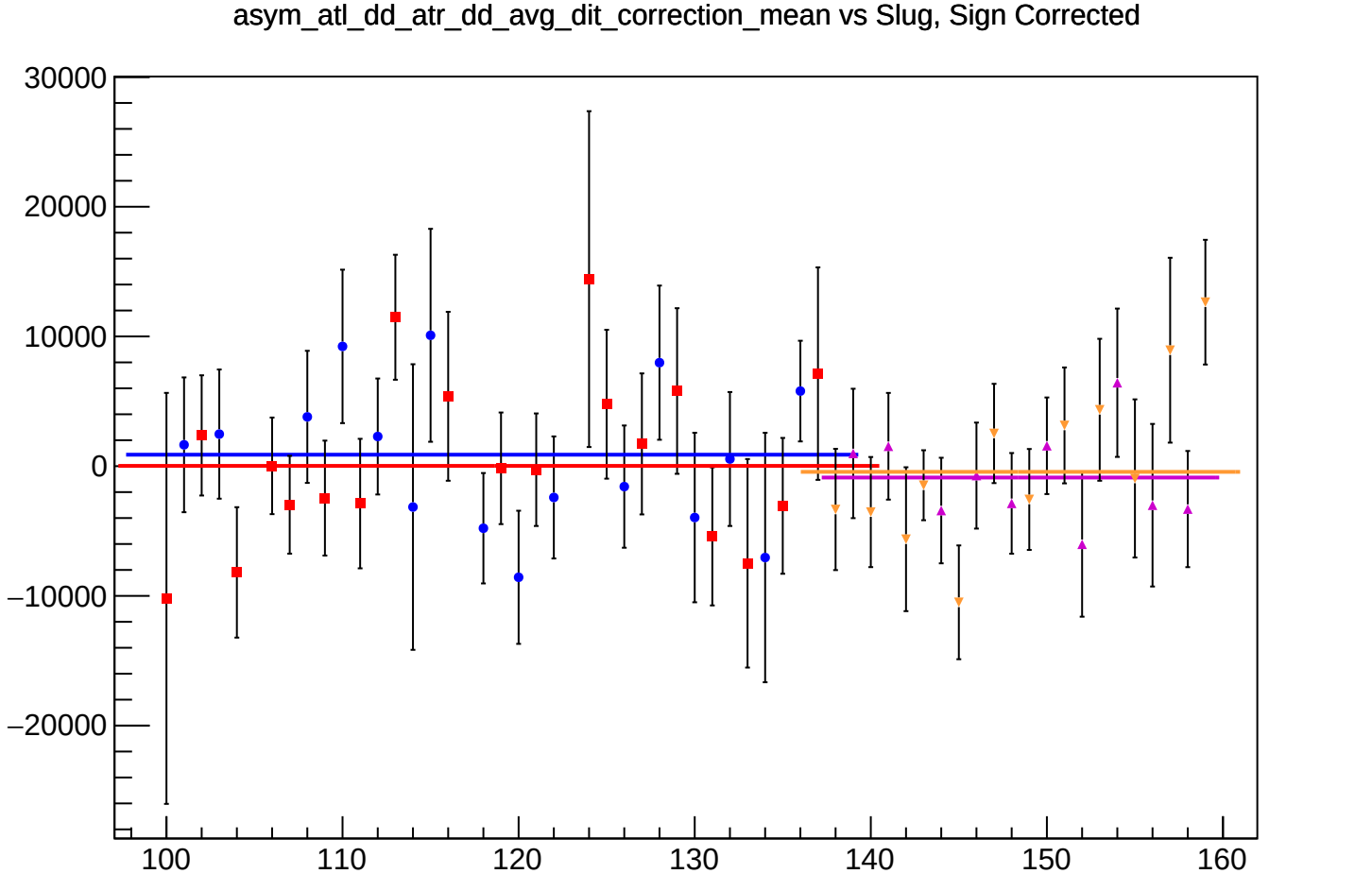
Left: 1300.790+/-0.216 χ^2/NDF: 231931.0/21

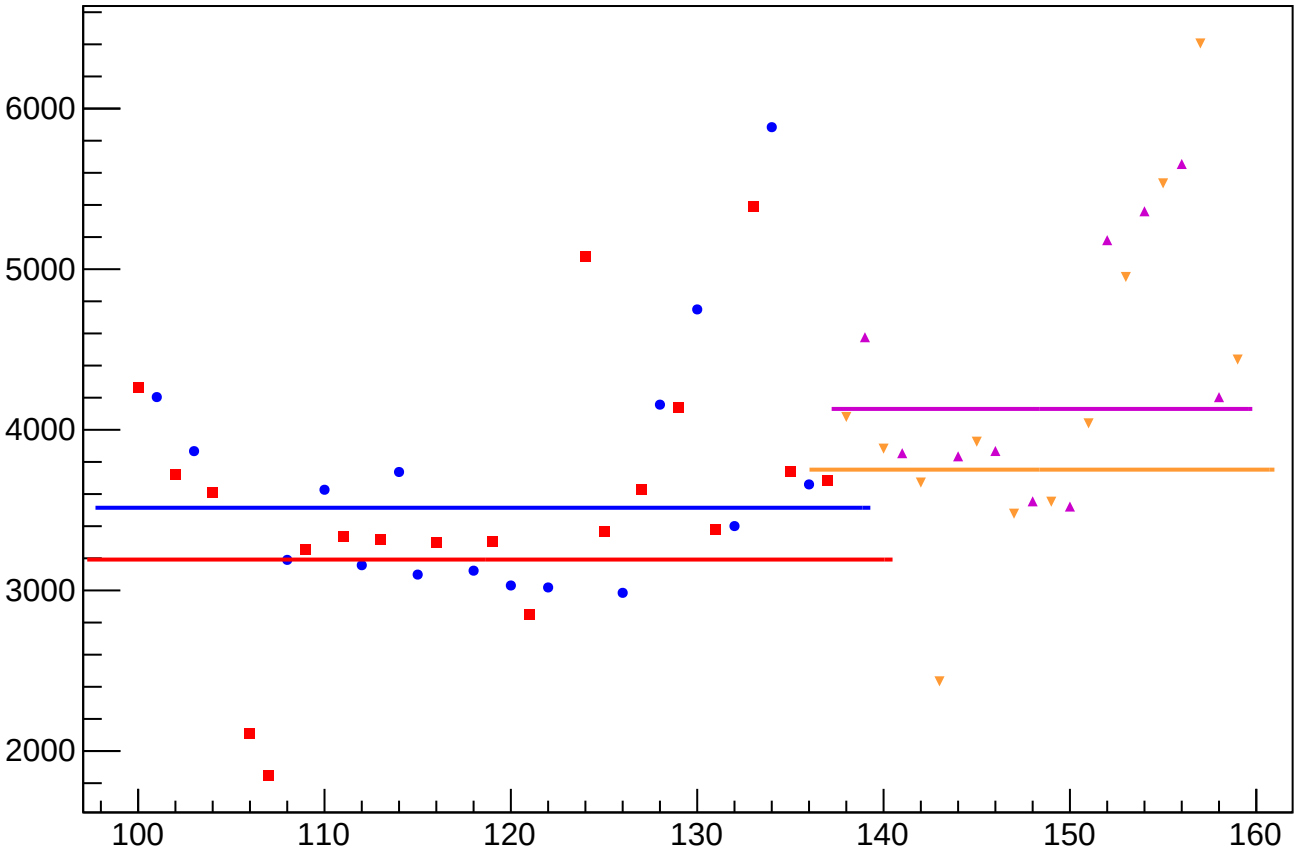
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.665+/-0.235 χ^2/NDF:531618.5/25

Out: 1286.560+/-0.223 χ^2/NDF:415545.4/30

All: 1300.834+/-0.162 χ^2/NDF: 955783.2/56


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
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -439.004+/-1258.889 χ²/NDF:18.6/11
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.681 χ²/NDF:4.5/9
Left: -631.997+/-941.910 χ²/NDF: 23.2/21
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 62.417+/-969.597 χ²/NDF:19.4/25
Out: -198.161+/-868.607 χ²/NDF:35.5/30
All: -82.145+/-646.966 χ²/NDF: 55.0/56



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

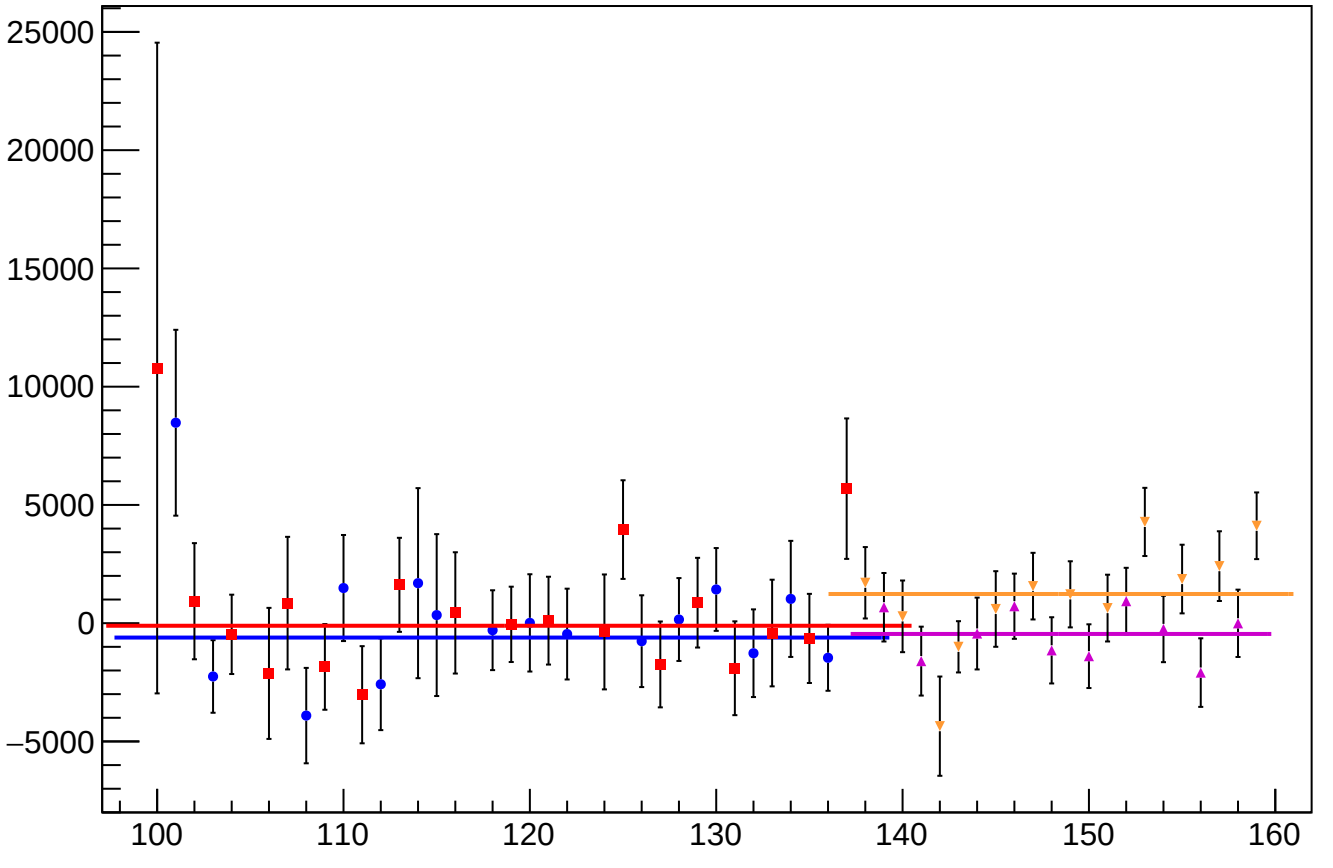
Left: 3918.427+/-0.666 χ^2/NDF: 1604573.7/21

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3801.752+/-0.686 χ^2/NDF:998981.7/25

Out: 3458.718+/-0.614 χ^2/NDF:2081450.1/30

All: 3611.445+/-0.457 χ^2/NDF: 3219311.7/56



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.285+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.549 χ^2/NDF:5.0/9

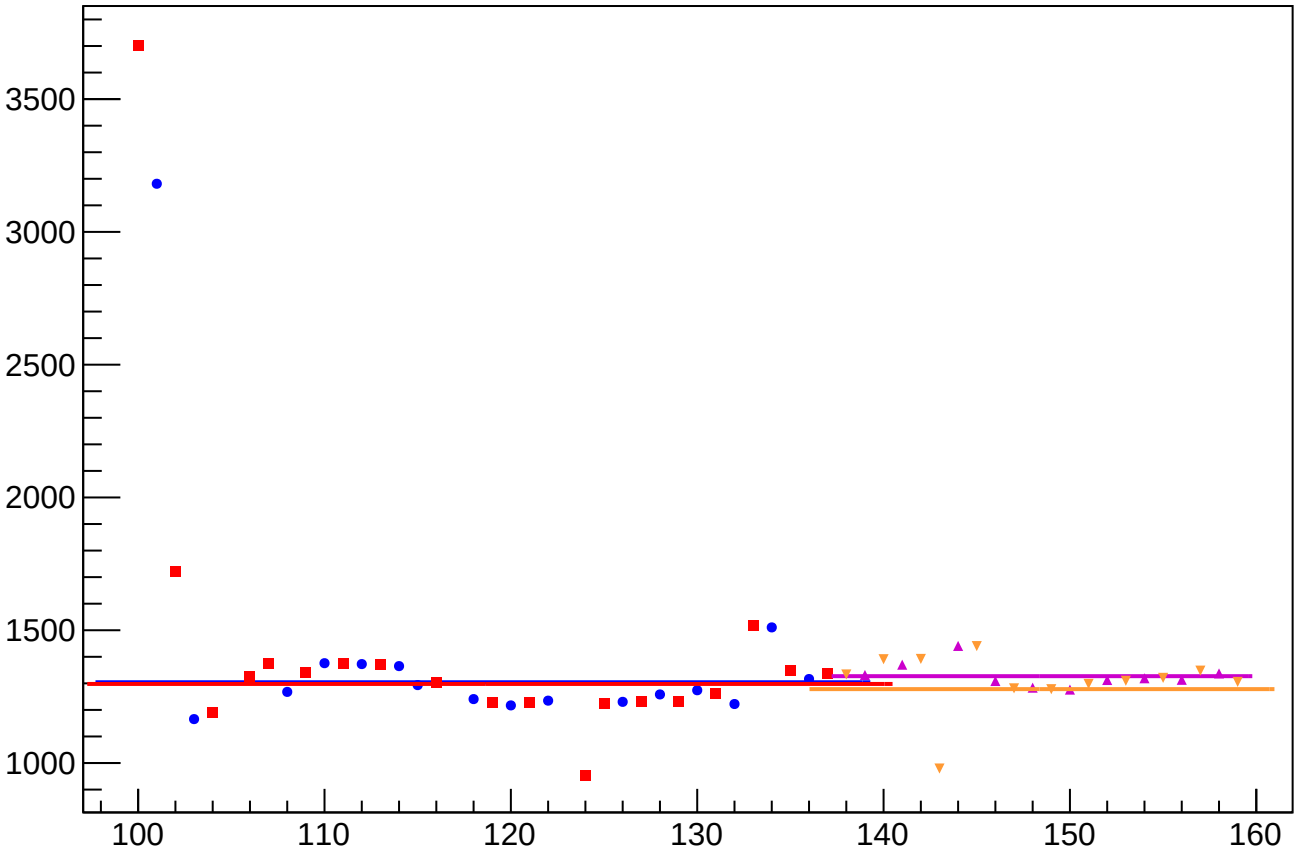
Left: 455.019+/-305.294 χ^2/NDF: 34.4/21

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -524.416+/-332.541 χ^2/NDF:19.2/25

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 101.351+/-229.022 χ^2/NDF: 66.9/56



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1278.304+/-0.294 χ^2/NDF:200588.1/11

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

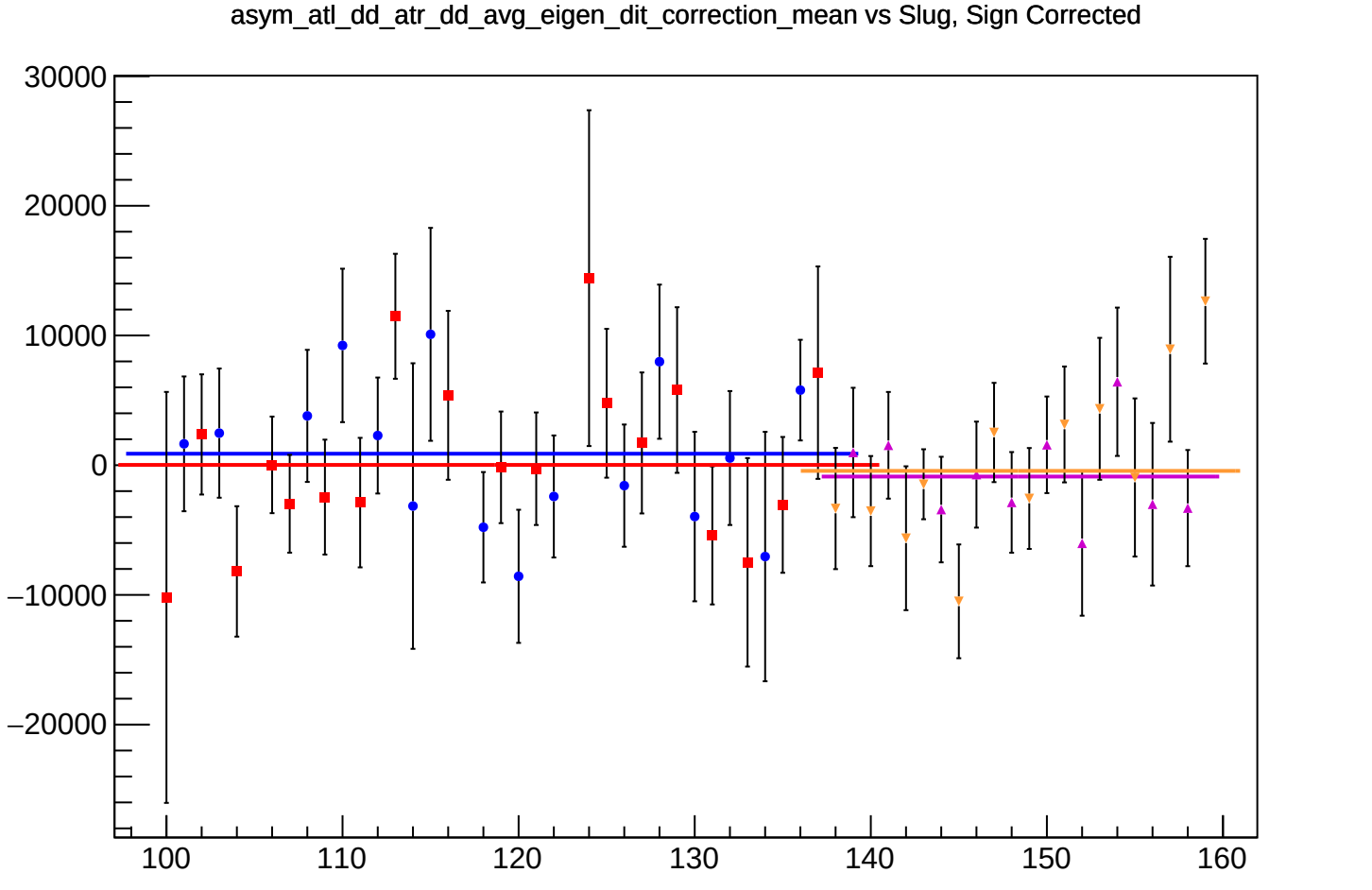
Left: 1300.791+/-0.216 χ^2/NDF: 231931.5/21

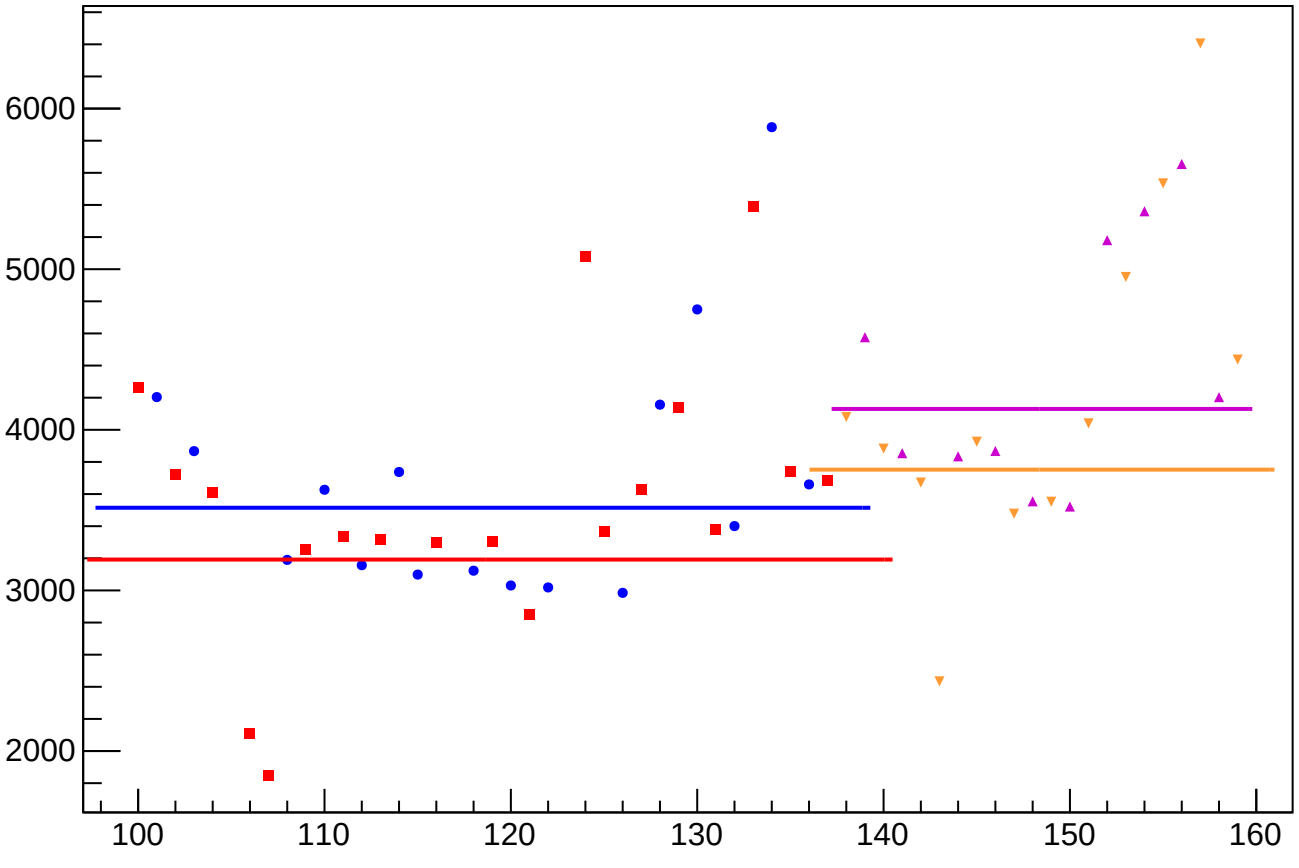
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.665+/-0.235 χ^2/NDF:531618.9/25

Out: 1286.560+/-0.223 χ^2/NDF:415545.7/30

All: 1300.835+/-0.162 χ^2/NDF: 955784.0/56


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
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -439.000+/-1258.891 χ²/NDF:18.6/11
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.683 χ²/NDF:4.5/9
Left: -631.994+/-941.911 χ²/NDF: 23.2/21
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 62.415+/-969.596 χ²/NDF:19.4/25
Out: -198.161+/-868.606 χ²/NDF:35.5/30
All: -82.146+/-646.965 χ²/NDF: 55.0/56



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3752.029+/-0.890 χ^2/NDF:1101737.4/11

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

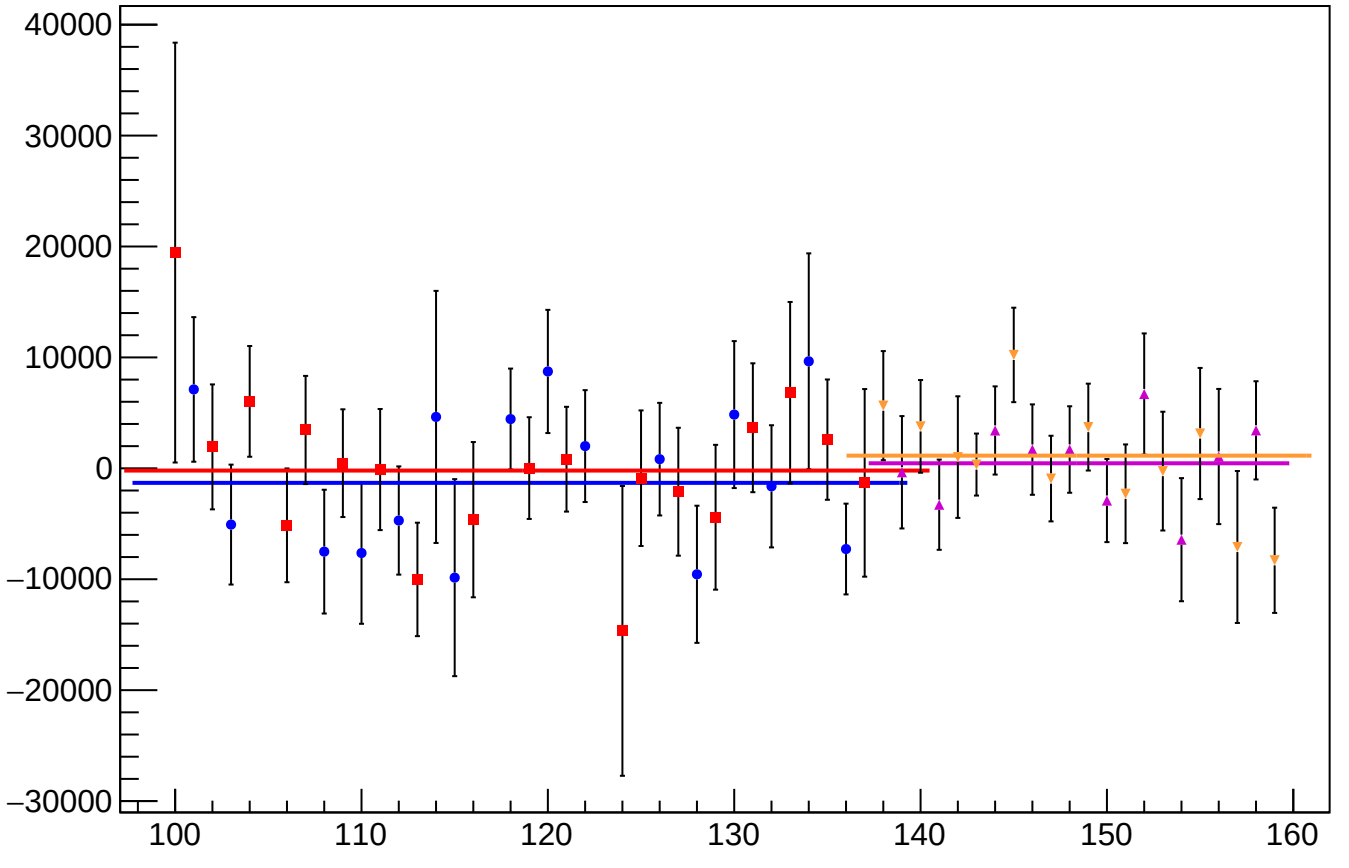
Left: 3918.432+/-0.666 χ^2/NDF: 1604574.2/21

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3801.748+/-0.686 χ^2/NDF:998996.0/25

Out: 3458.715+/-0.614 χ^2/NDF:2081462.3/30

All: 3611.442+/-0.457 χ^2/NDF: 3219337.8/56



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1143.591+/-1262.777 χ^2/NDF:12.8/11

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 454.679+/-1408.822 χ^2/NDF:5.7/9

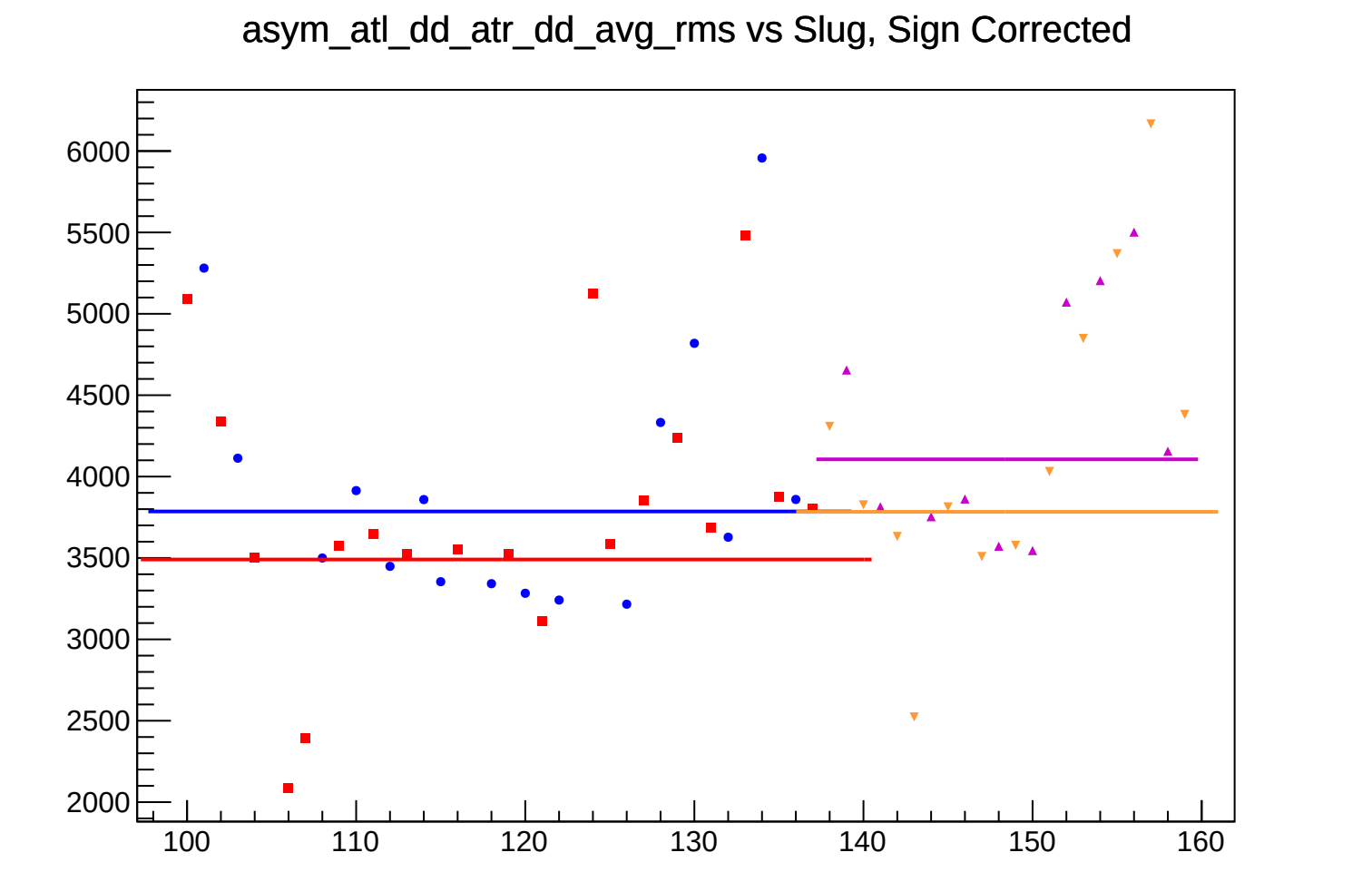
Left: 836.683+/-940.327 χ^2/NDF: 18.6/21

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -413.176+/-1004.152 χ^2/NDF:24.1/25

Out: 508.902+/-917.733 χ^2/NDF:25.0/30

All: 89.241+/-677.431 χ^2/NDF: 49.5/56



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3783.485+/-0.893 χ^2/NDF:950121.3/11

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

Left: 3927.164+/-0.665 χ^2/NDF: 1393110.1/21

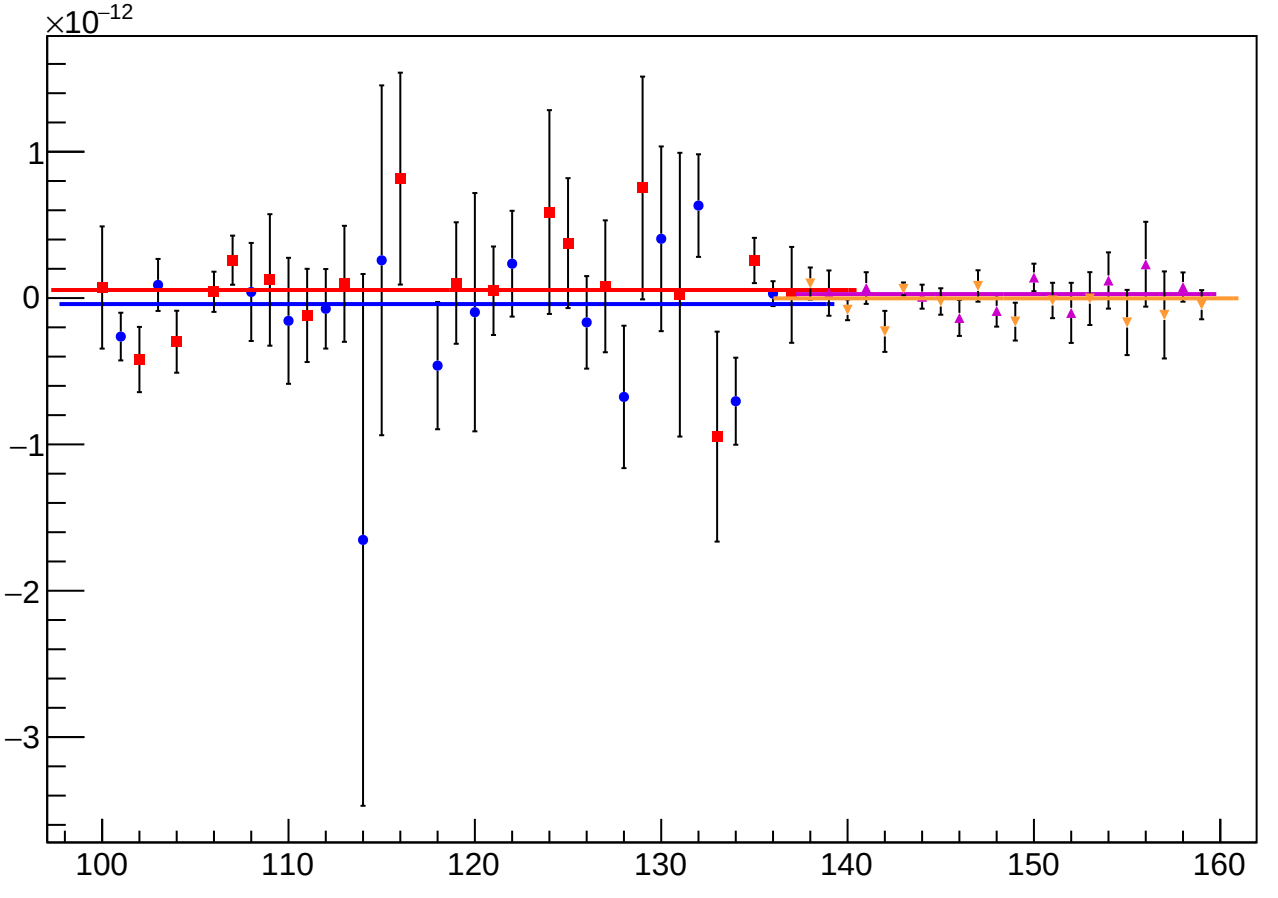
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3948.455+/-0.710 χ^2/NDF:818698.8/25

Out: 3643.296+/-0.645 χ^2/NDF:1588331.5/30

All: 3781.196+/-0.477 χ^2/NDF: 2508270.3/56

asym_atl_dd_atr_dd_avg_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:9.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

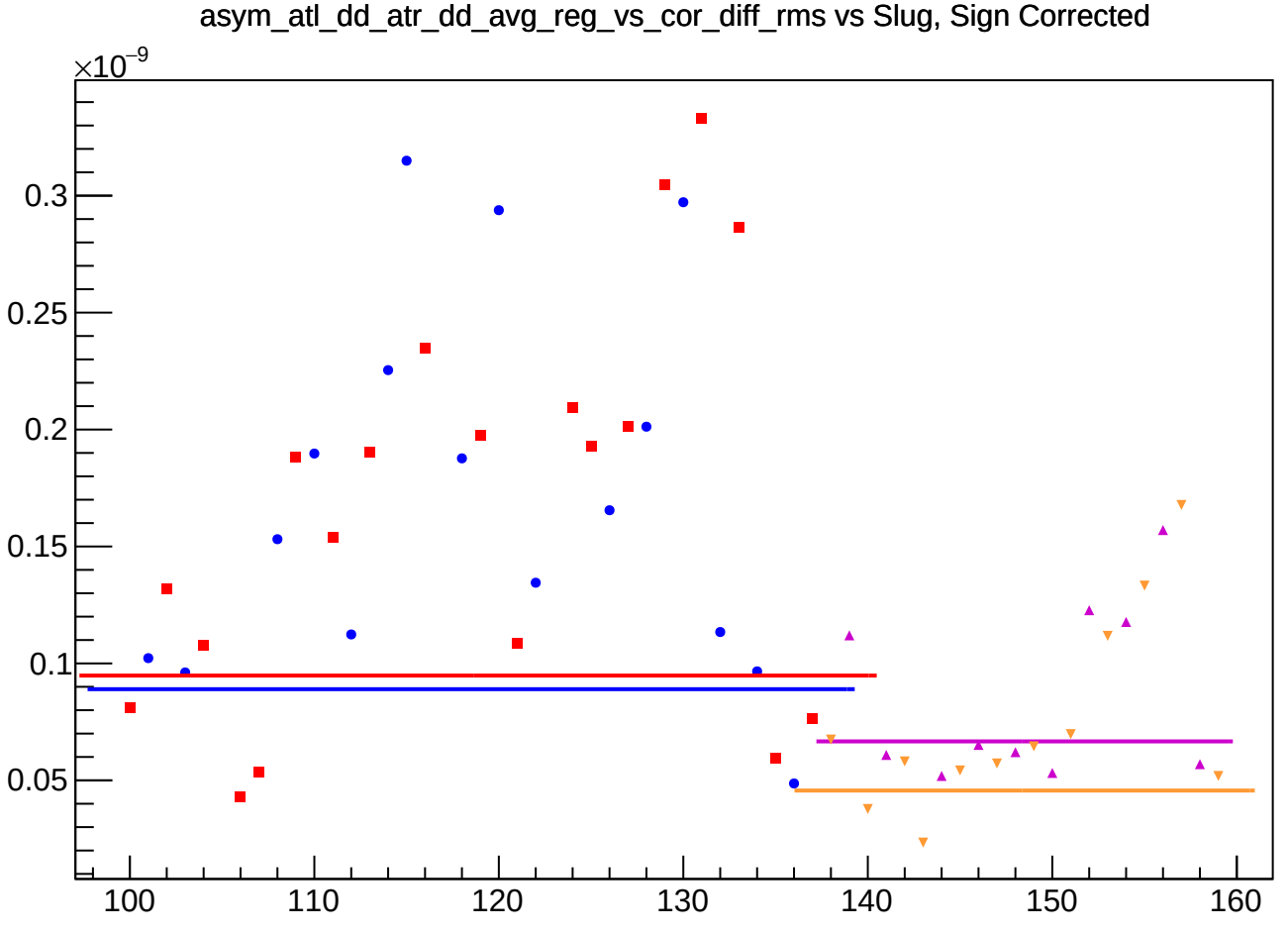
Left: 0.000+/-0.000 χ^2/NDF: 16.2/21

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: 0.000+/-0.000 χ^2/NDF:26.5/30

All: 0.000+/-0.000 χ^2/NDF: 50.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719207.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

Left: 0.000+/-0.000 χ^2/NDF: 2919066.3/21

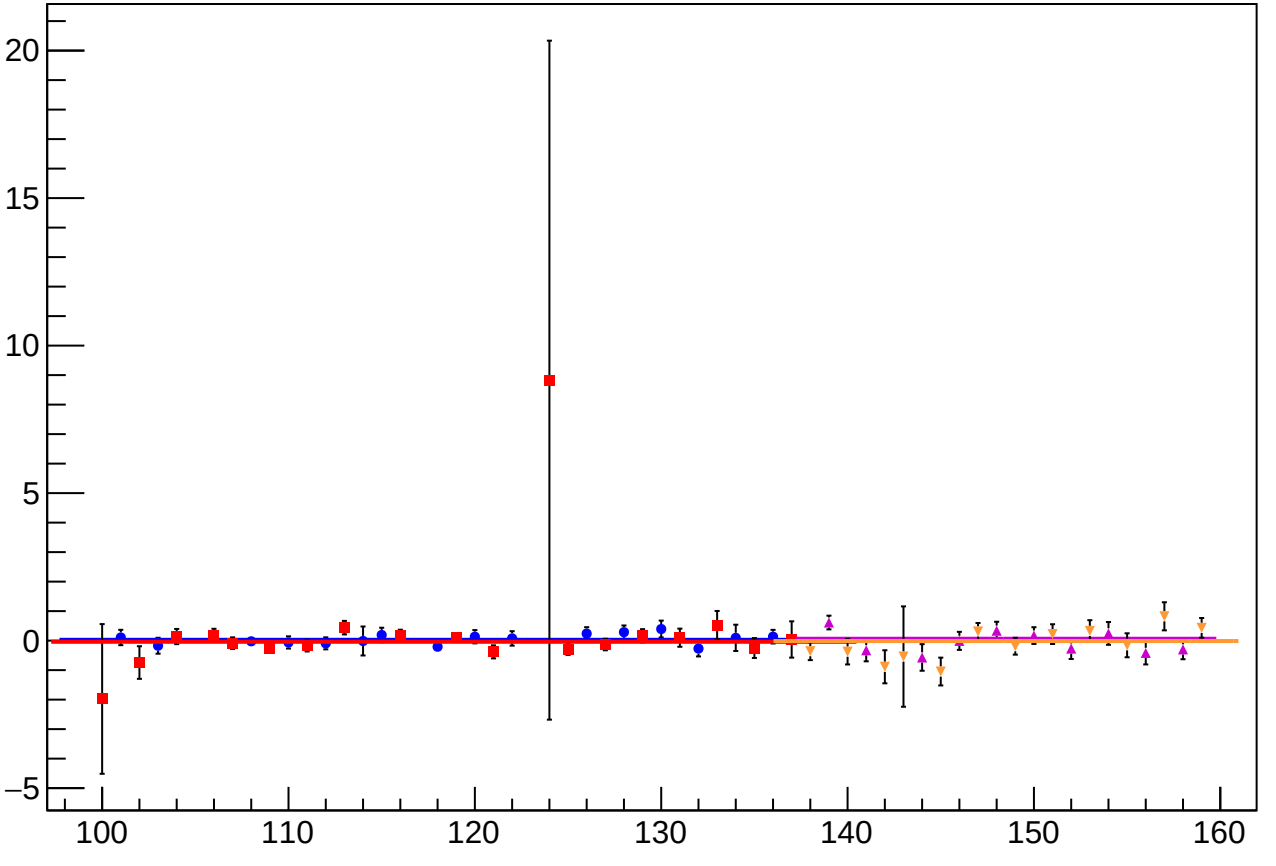
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2455064.9/25

Out: 0.000+/-0.000 χ^2/NDF:4454540.3/30

All: 0.000+/-0.000 χ^2/NDF: 7396914.7/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

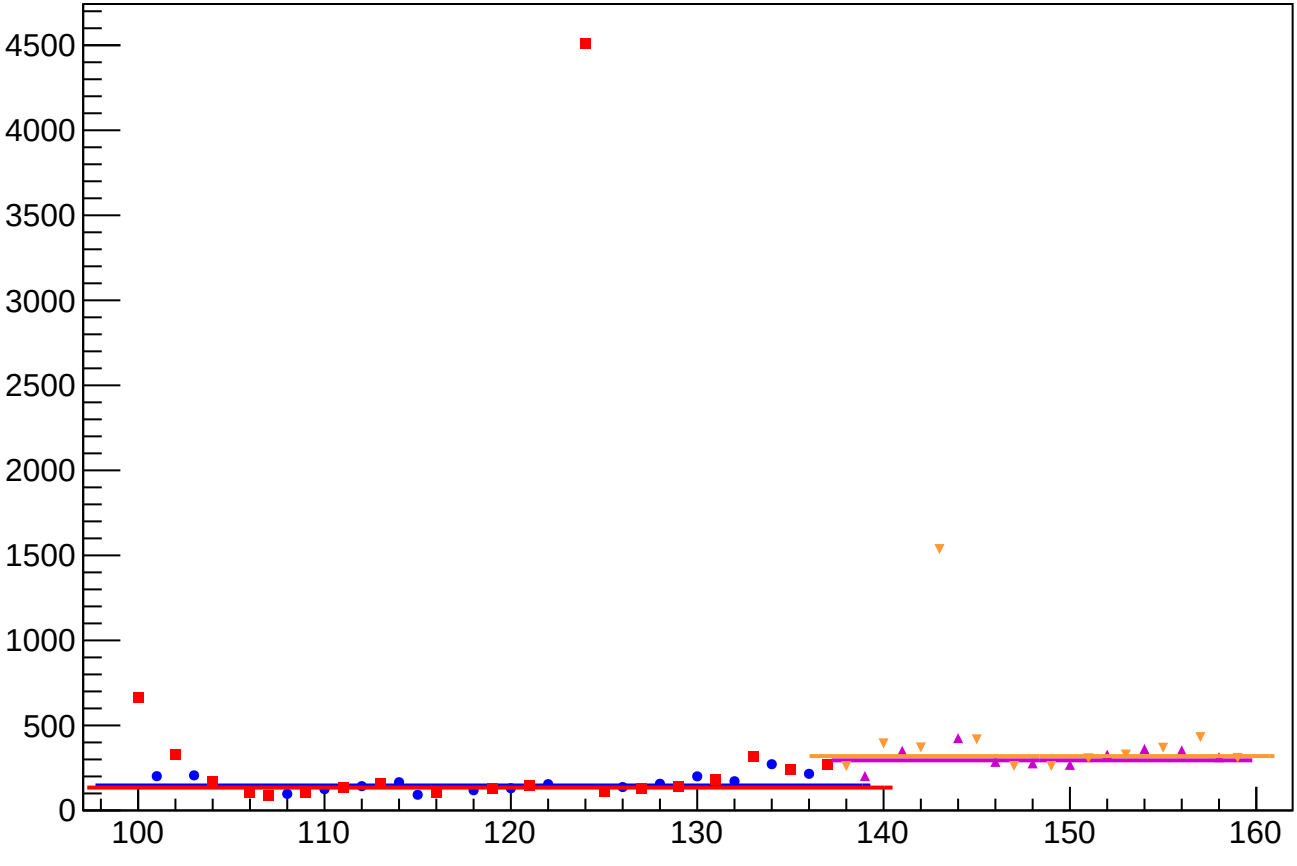
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.453+/-0.053 χ^2/NDF: 2312680.0/21

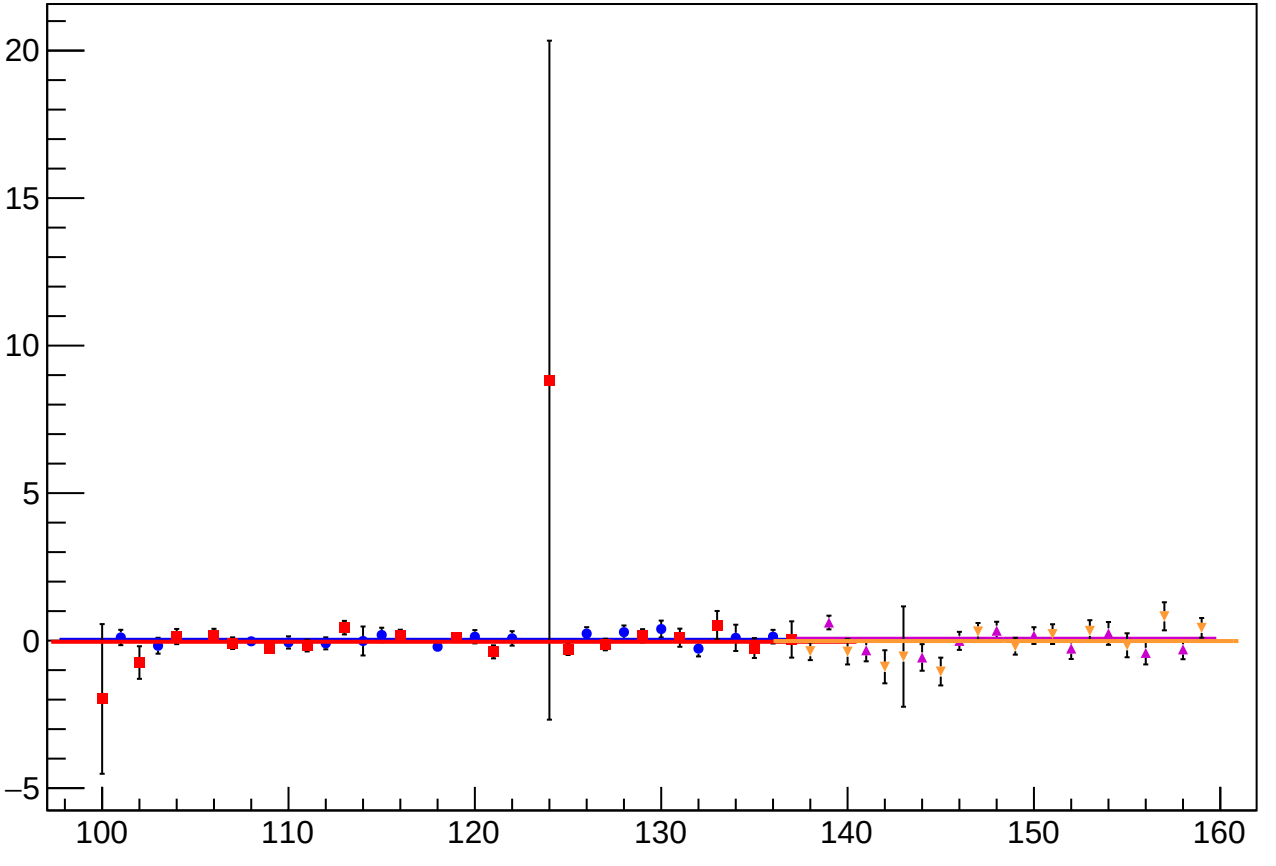
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

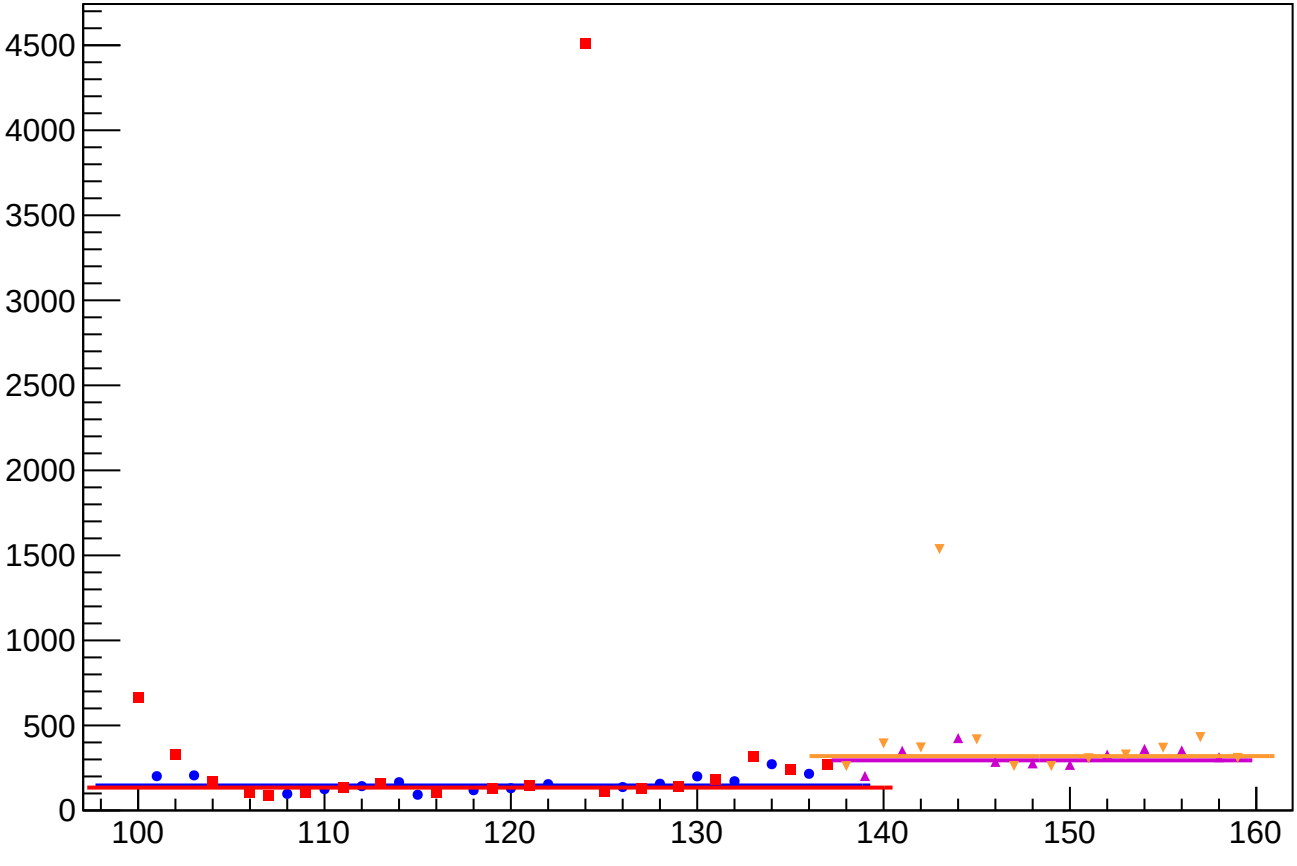
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

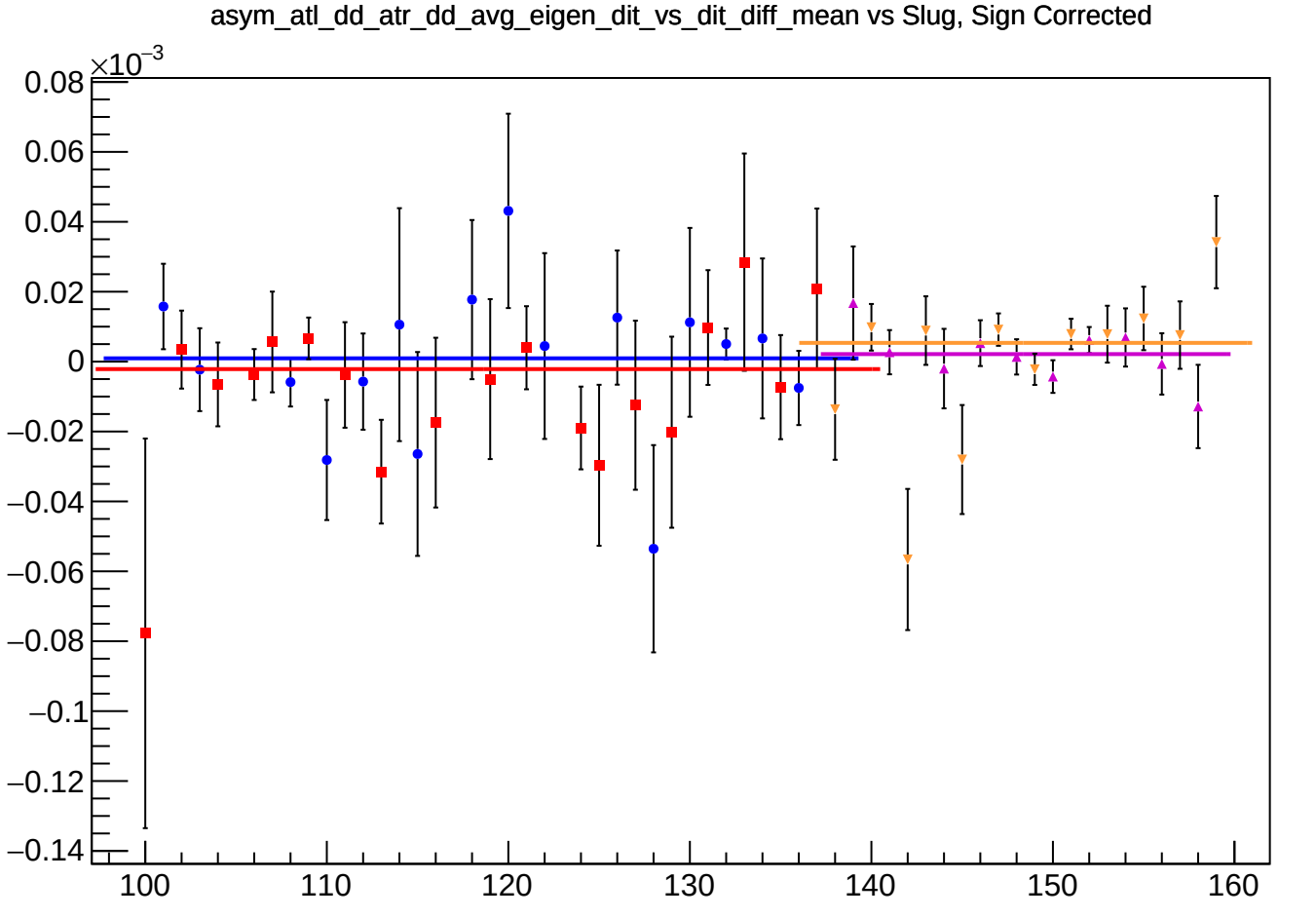
Left: 306.453+/-0.053 χ^2/NDF: 2312680.0/21

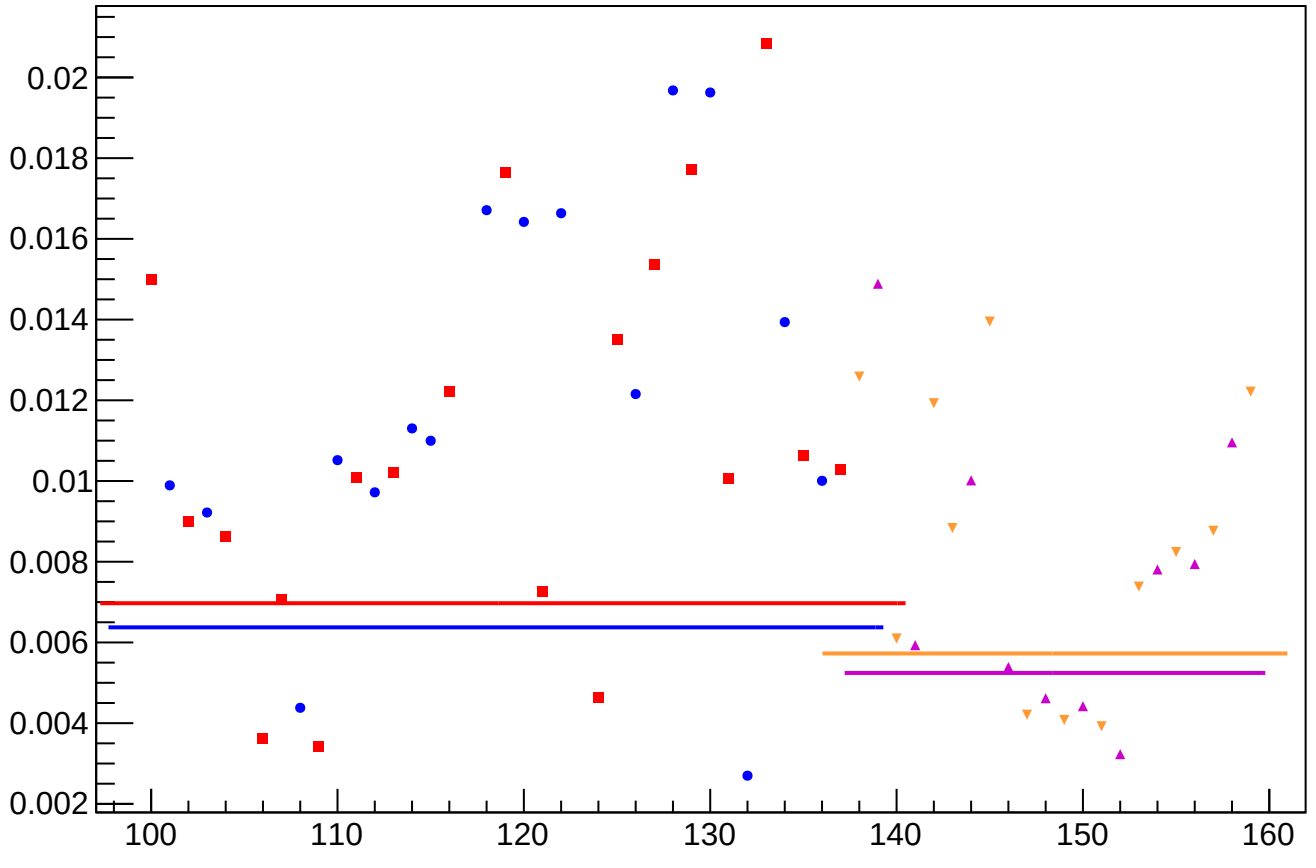
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:25.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:6.3/9
Left: 0.000+/-0.000 χ²/NDF: 33.2/21
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:21.2/25
Out: 0.000+/-0.000 χ²/NDF:46.0/30
All: 0.000+/-0.000 χ²/NDF: 67.5/56



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:3148839.7/11

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

Left: 0.005+/-0.000 χ^2/NDF: 5803483.3/21

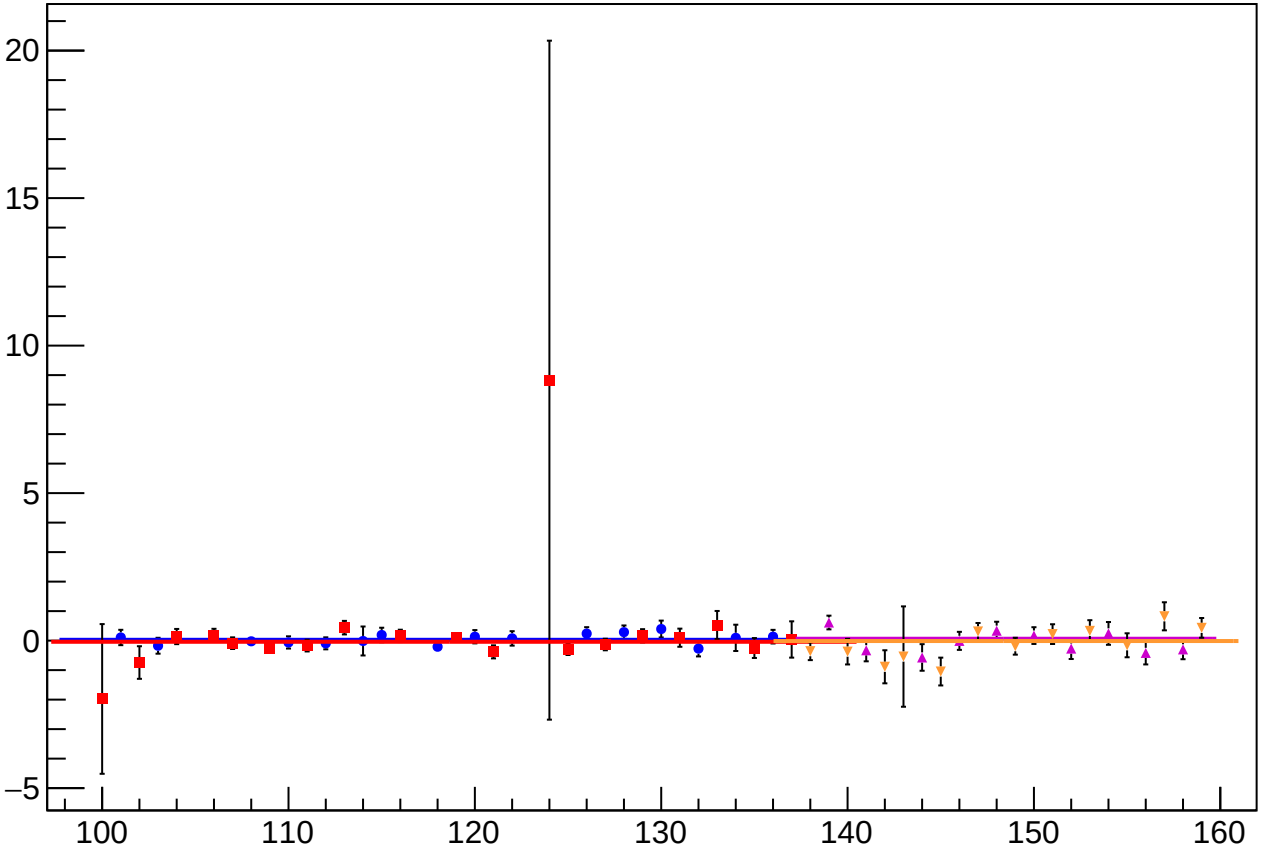
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7441049.1/25

Out: 0.006+/-0.000 χ^2/NDF:6791864.3/30

All: 0.006+/-0.000 χ^2/NDF: 14328889.4/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

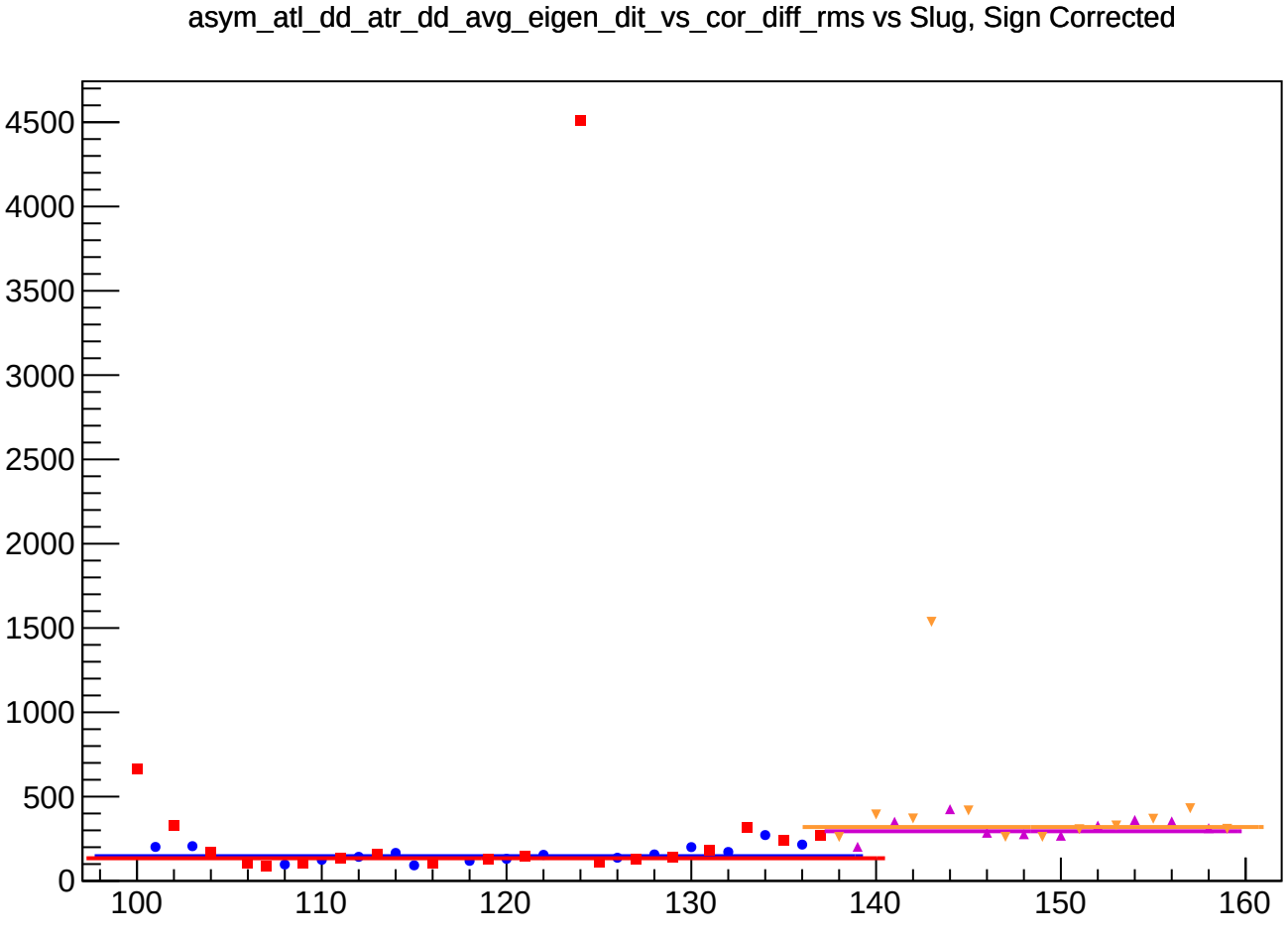
Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

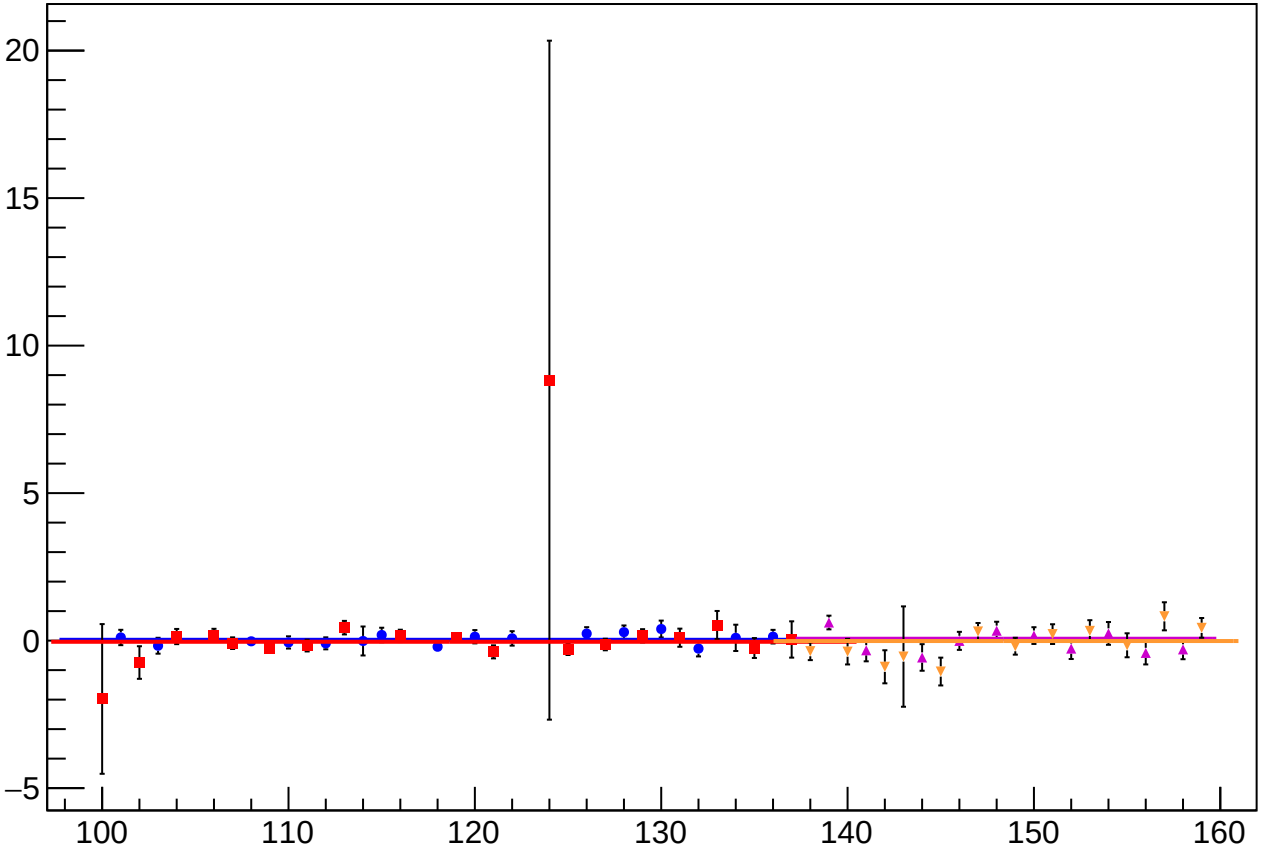
In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56


asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 319.656+/-0.077 χ²/NDF:1573890.2/11
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 294.676+/-0.073 χ²/NDF:683060.5/9
Left: 306.457+/-0.053 χ²/NDF: 2312660.3/21
Right: 140.348+/-0.028 χ²/NDF: 2652938.4/34
In: 182.256+/-0.036 χ²/NDF:4827933.8/25
Out: 171.949+/-0.035 χ²/NDF:7800708.5/30
All: 176.958+/-0.025 χ²/NDF: 12671779.4/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

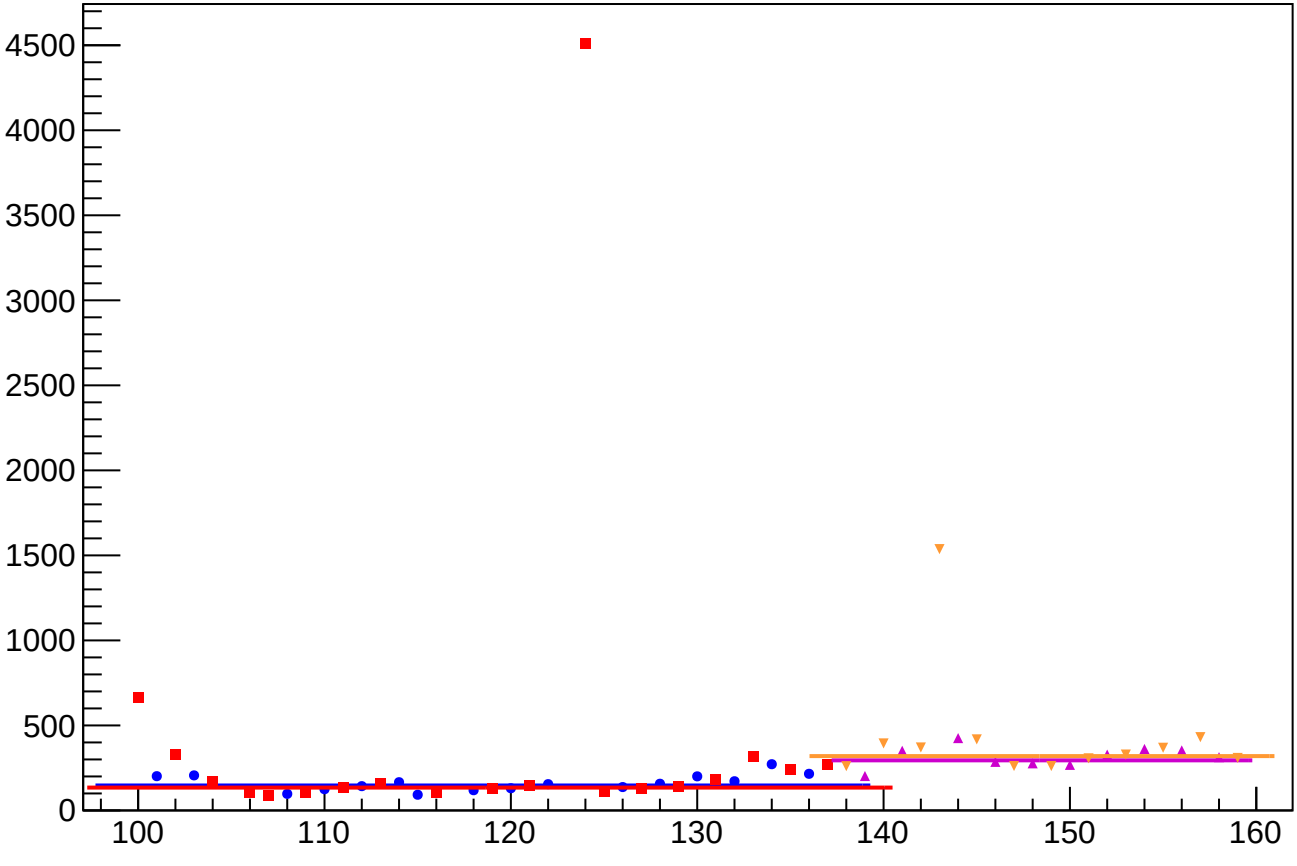
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

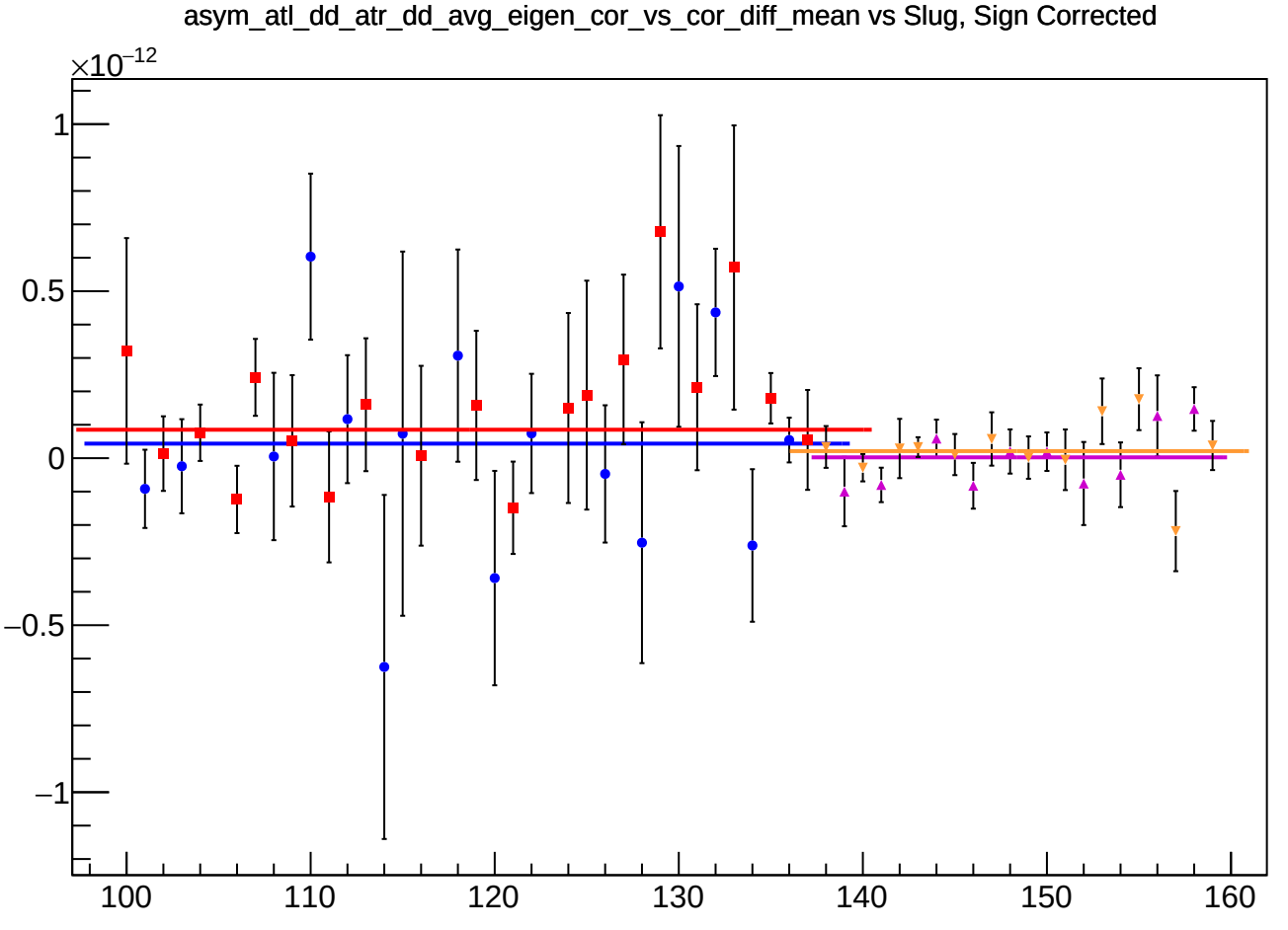
Left: 306.457+/-0.053 χ^2/NDF: 2312660.3/21

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/9

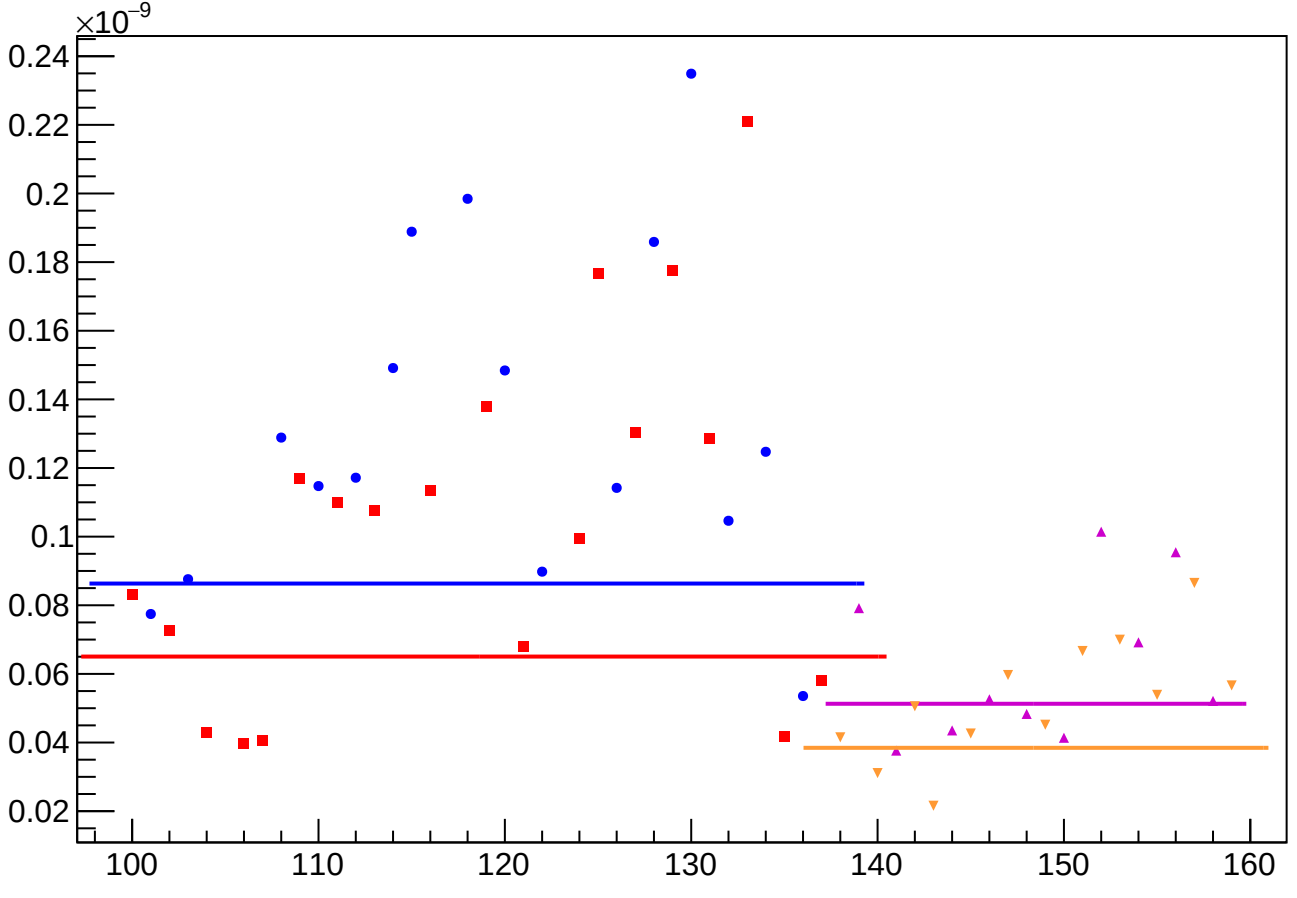
Left: 0.000+/-0.000 χ^2/NDF: 23.8/21

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/30

All: 0.000+/-0.000 χ^2/NDF: 64.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825264.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

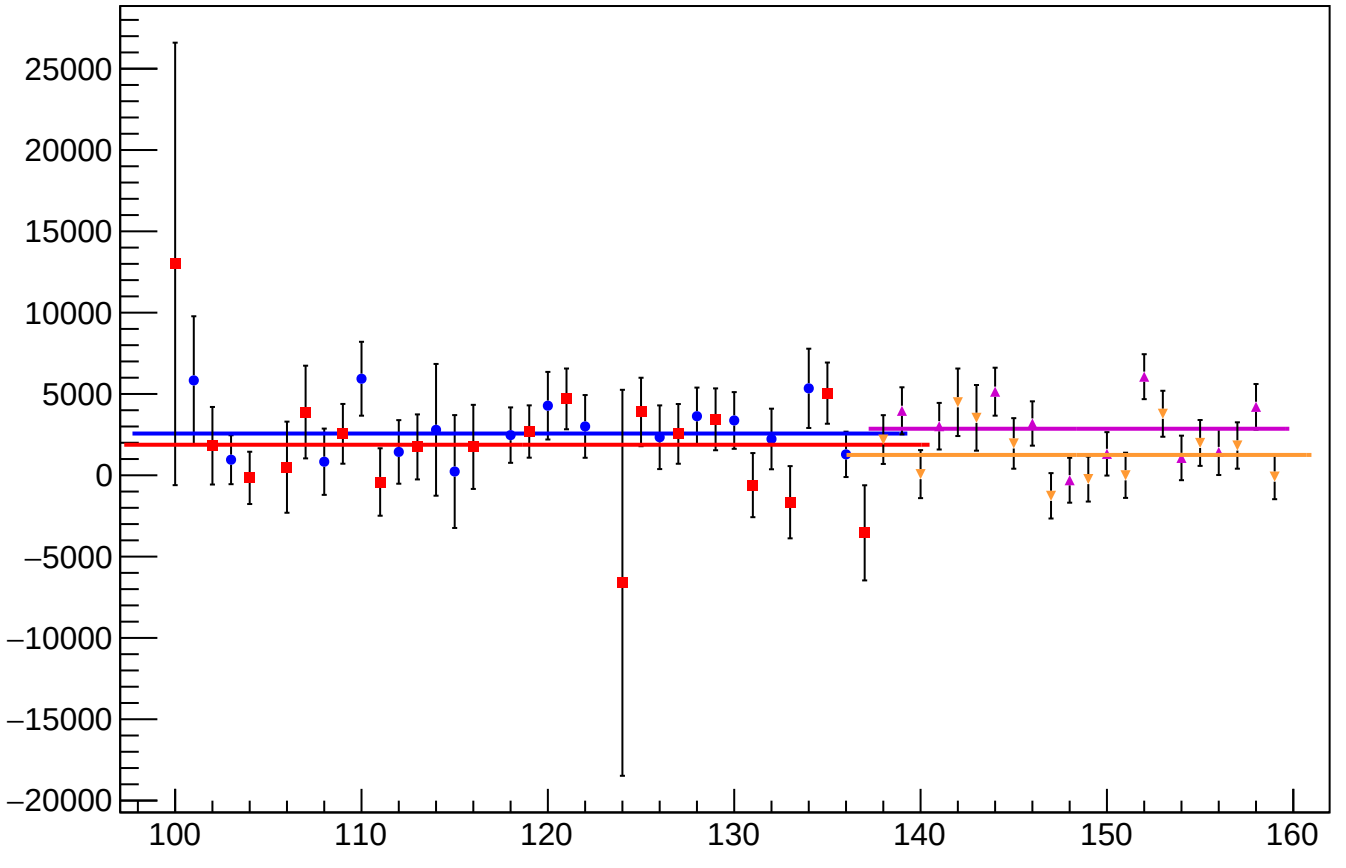
Left: 0.000+/-0.000 χ^2/NDF: 3283125.0/21

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3664712.7/25

Out: 0.000+/-0.000 χ^2/NDF:4947923.5/30

All: 0.000+/-0.000 χ^2/NDF: 9329221.1/56



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1251.808+/-431.852 χ^2/NDF:14.7/11

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2861.562+/-442.330 χ^2/NDF:18.6/9

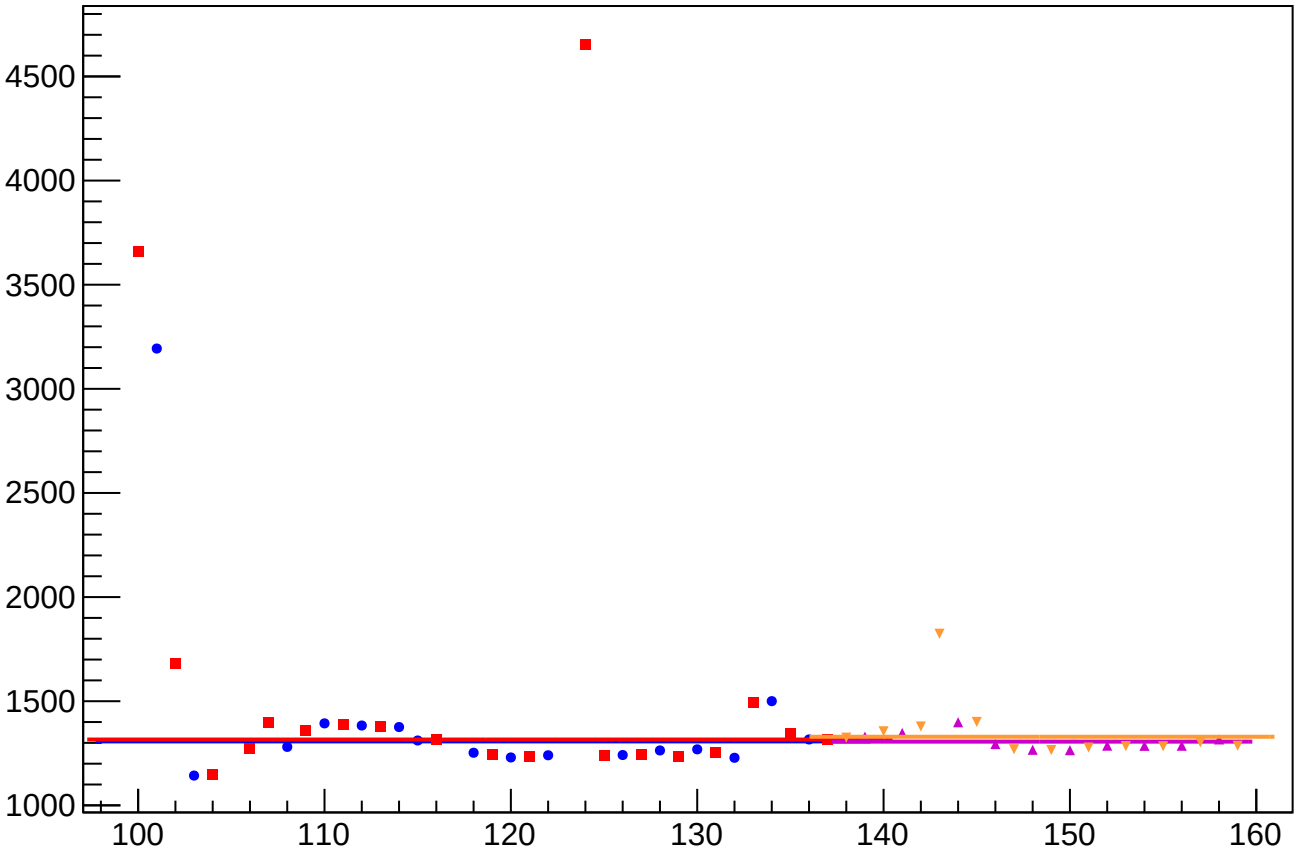
Left: 2037.393+/-309.003 χ^2/NDF: 40.2/21

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2731.092+/-329.937 χ^2/NDF:27.9/25

Out: 1522.625+/-325.336 χ^2/NDF:35.2/30

All: 2118.374+/-231.657 χ^2/NDF: 69.9/56



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1329.362+/-0.305 χ^2/NDF:143586.7/11

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

Left: 1317.897+/-0.218 χ^2/NDF: 161641.2/21

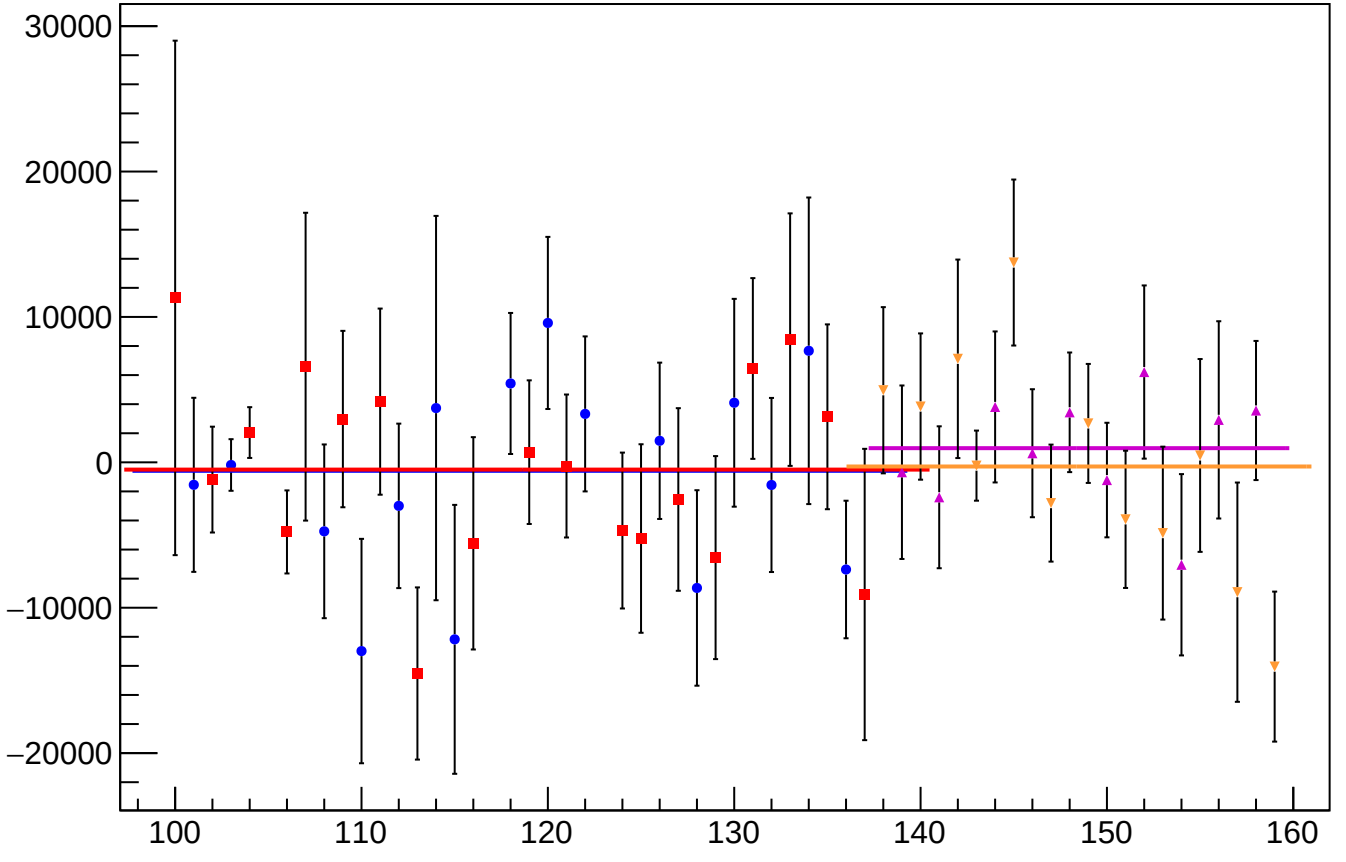
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1306.401+/-0.233 χ^2/NDF:531421.6/25

Out: 1323.565+/-0.230 χ^2/NDF:470837.4/30

All: 1315.114+/-0.164 χ^2/NDF: 1005006.5/56

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: -286.854+/-1328.149 χ^2/NDF:19.3/11

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 974.303+/-1577.965 χ^2/NDF:4.3/9

Left: 236.108+/-1016.127 χ^2/NDF: 24.0/21

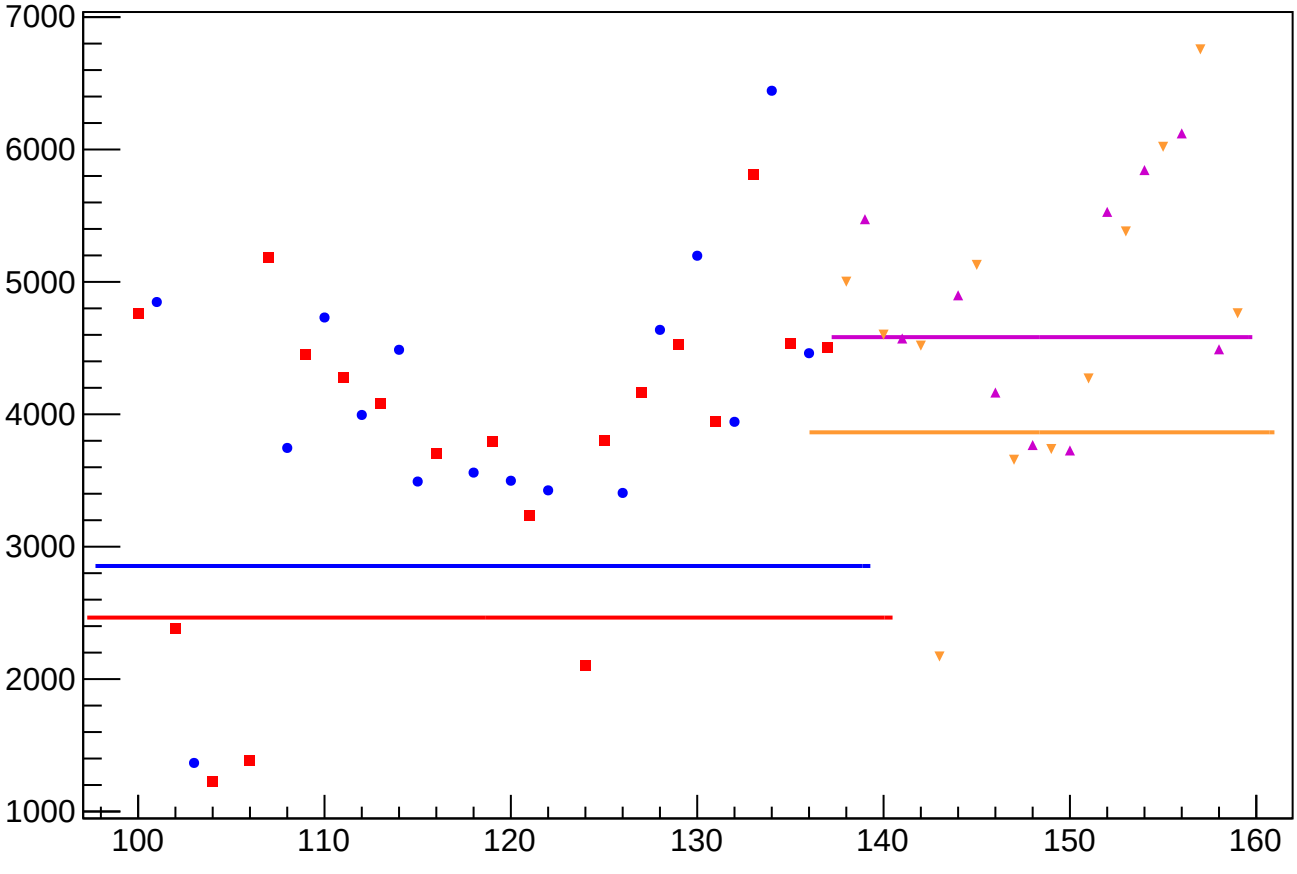
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -15.918+/-951.565 χ^2/NDF:19.7/25

Out: -417.559+/-826.301 χ^2/NDF:37.0/30

All: -244.897+/-623.904 χ^2/NDF: 56.8/56

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3863.857+/-0.939 χ^2/NDF:1944197.7/11

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4582.832+/-1.116 χ^2/NDF:479010.2/9

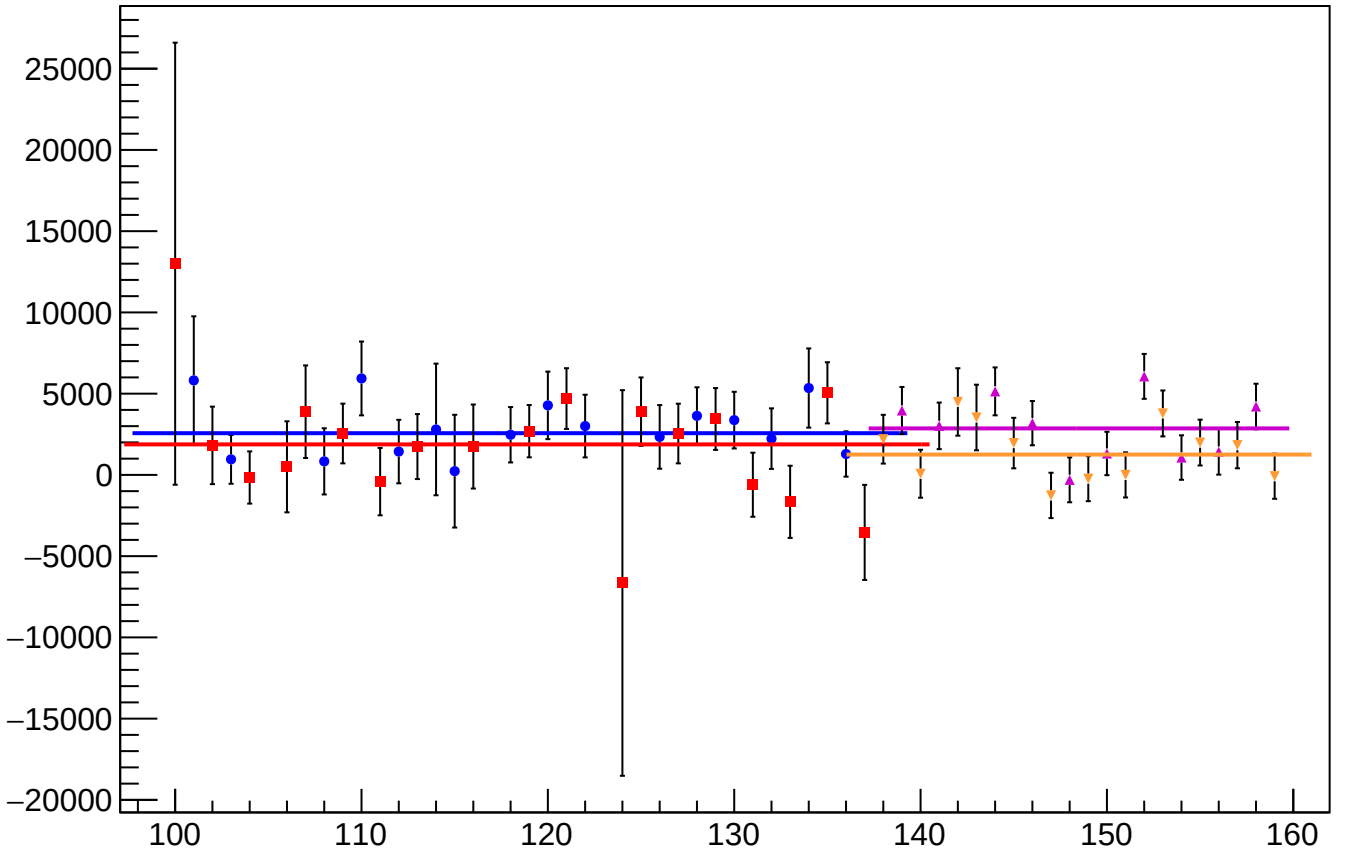
Left: 4161.993+/-0.719 χ^2/NDF: 2666240.9/21

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3482.879+/-0.673 χ^2/NDF:4911001.9/25

Out: 3006.198+/-0.584 χ^2/NDF:6660806.9/30

All: 3211.119+/-0.441 χ^2/NDF: 11857940.7/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1251.742+/-431.852 χ^2/NDF:14.7/11

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2861.700+/-442.330 χ^2/NDF:18.6/9

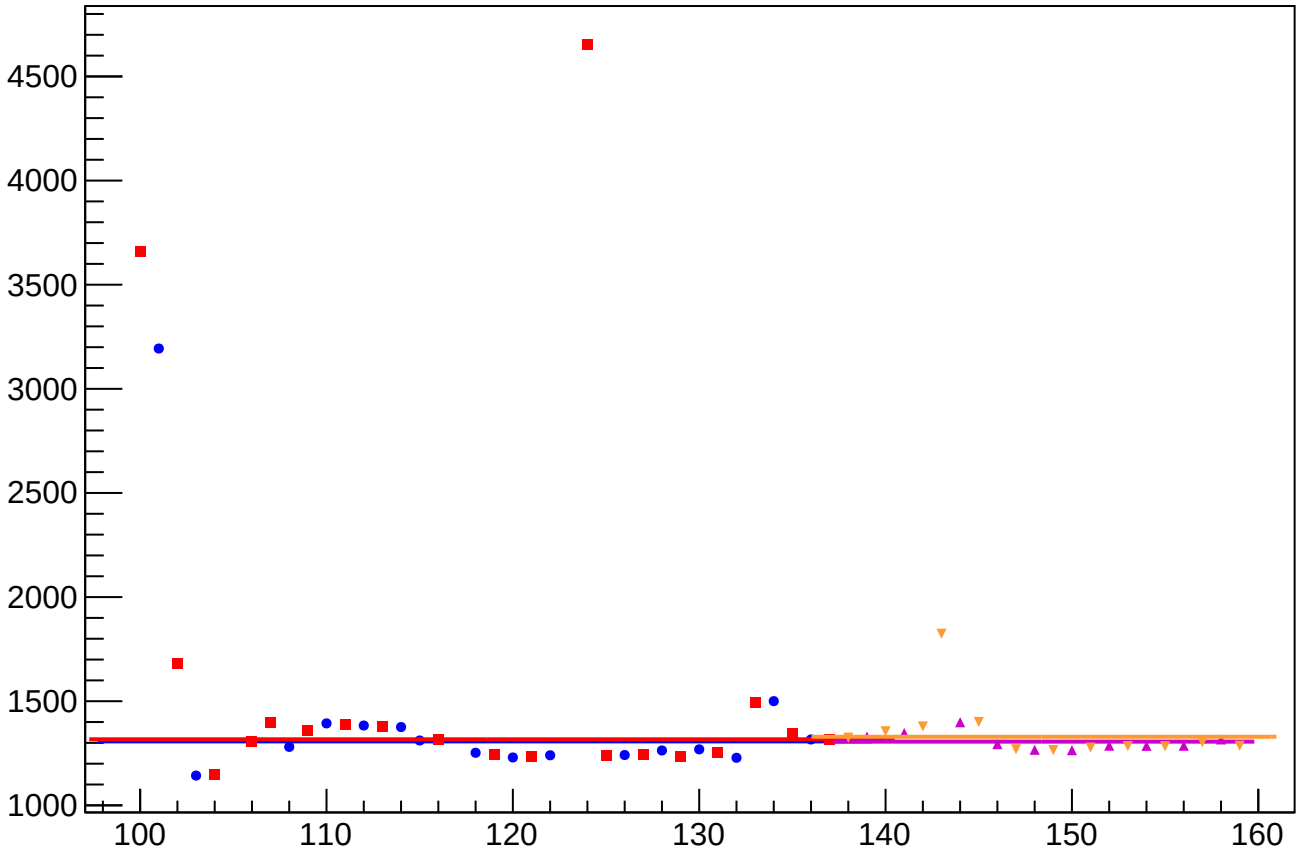
Left: 2037.427+/-309.003 χ^2/NDF: 40.2/21

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2731.044+/-329.937 χ^2/NDF:27.9/25

Out: 1522.477+/-325.336 χ^2/NDF:35.2/30

All: 2118.275+/-231.657 χ^2/NDF: 69.9/56



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1329.362+/-0.305 χ^2/NDF:143586.7/11

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

Left: 1317.897+/-0.218 χ^2/NDF: 161641.2/21

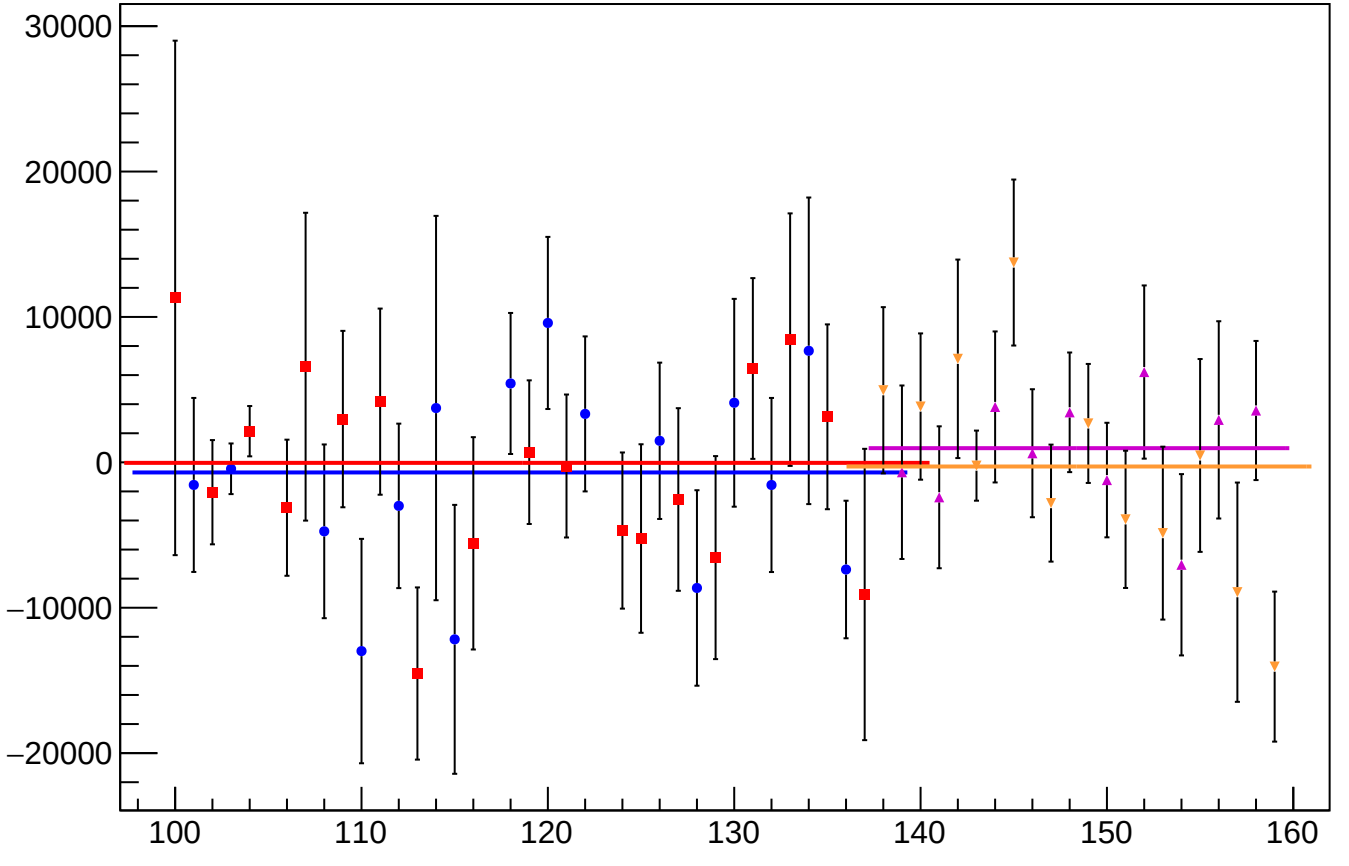
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.401+/-0.233 χ^2/NDF:531423.1/25

Out: 1324.060+/-0.230 χ^2/NDF:470209.1/30

All: 1315.362+/-0.164 χ^2/NDF: 1004539.4/56

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: -286.895+/-1328.143 χ^2/NDF:19.3/11

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 974.395+/-1577.964 χ^2/NDF:4.3/9

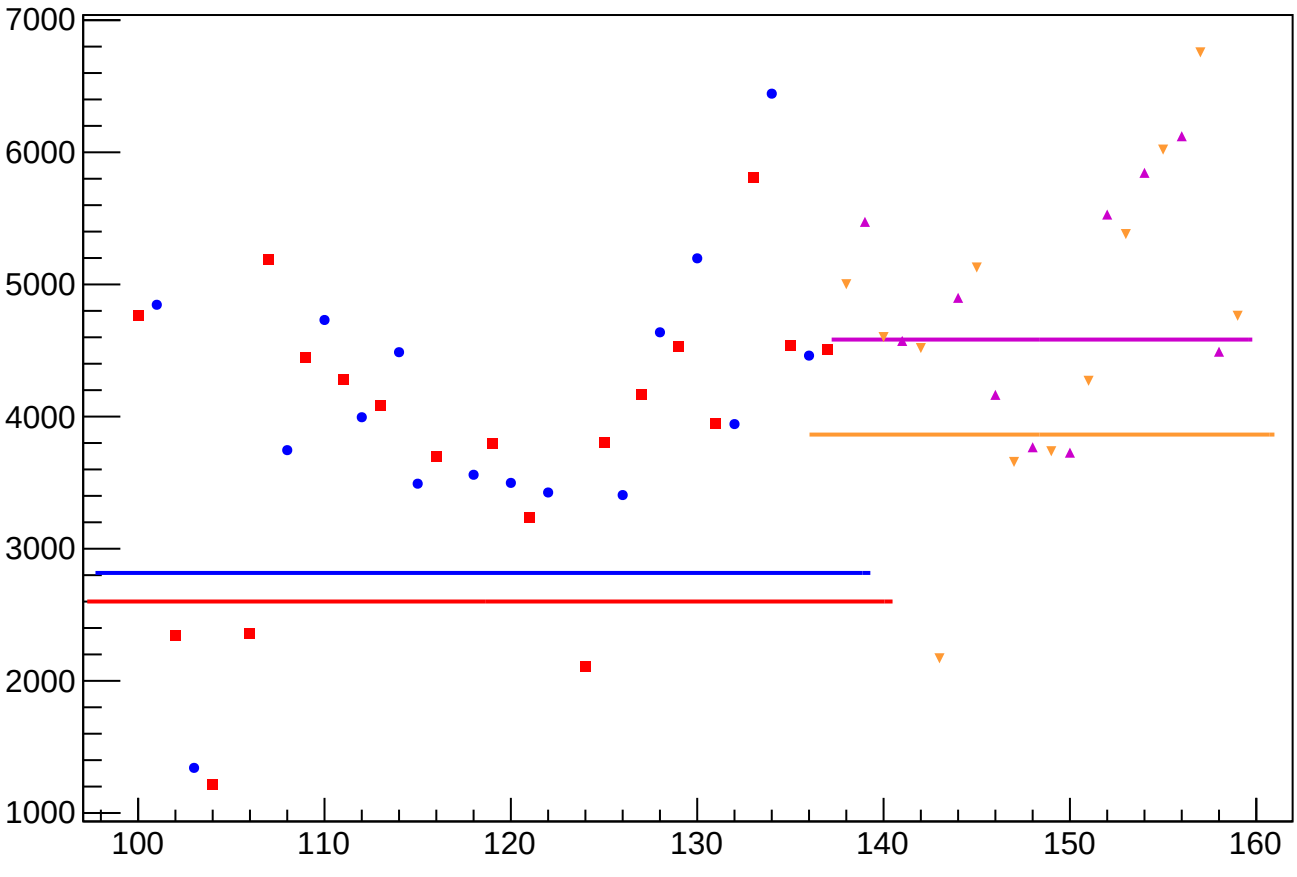
Left: 236.120+/-1016.124 χ^2/NDF: 24.0/21

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -94.854+/-946.246 χ^2/NDF:19.7/25

Out: -137.951+/-846.348 χ^2/NDF:35.2/30

All: -118.797+/-630.831 χ^2/NDF: 55.0/56



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3863.833+/-0.939 χ^2/NDF:1944259.9/11

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

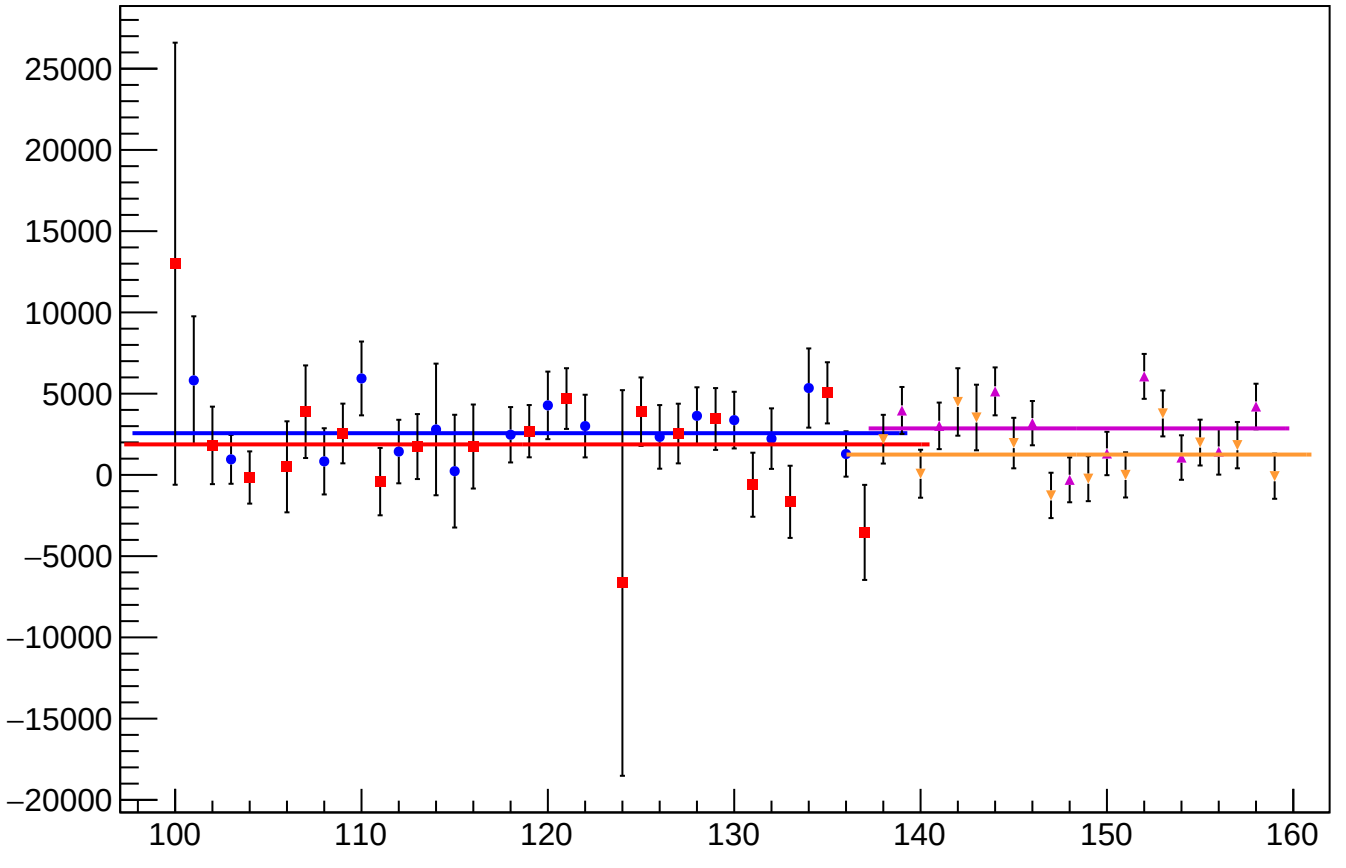
Left: 4161.977+/-0.719 χ^2/NDF: 2666322.1/21

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3451.845+/-0.669 χ^2/NDF:5090917.6/25

Out: 3113.525+/-0.598 χ^2/NDF:6099736.9/30

All: 3263.890+/-0.446 χ^2/NDF: 11332692.6/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1251.742+/-431.852 χ^2/NDF:14.7/11

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2861.700+/-442.330 χ^2/NDF:18.6/9

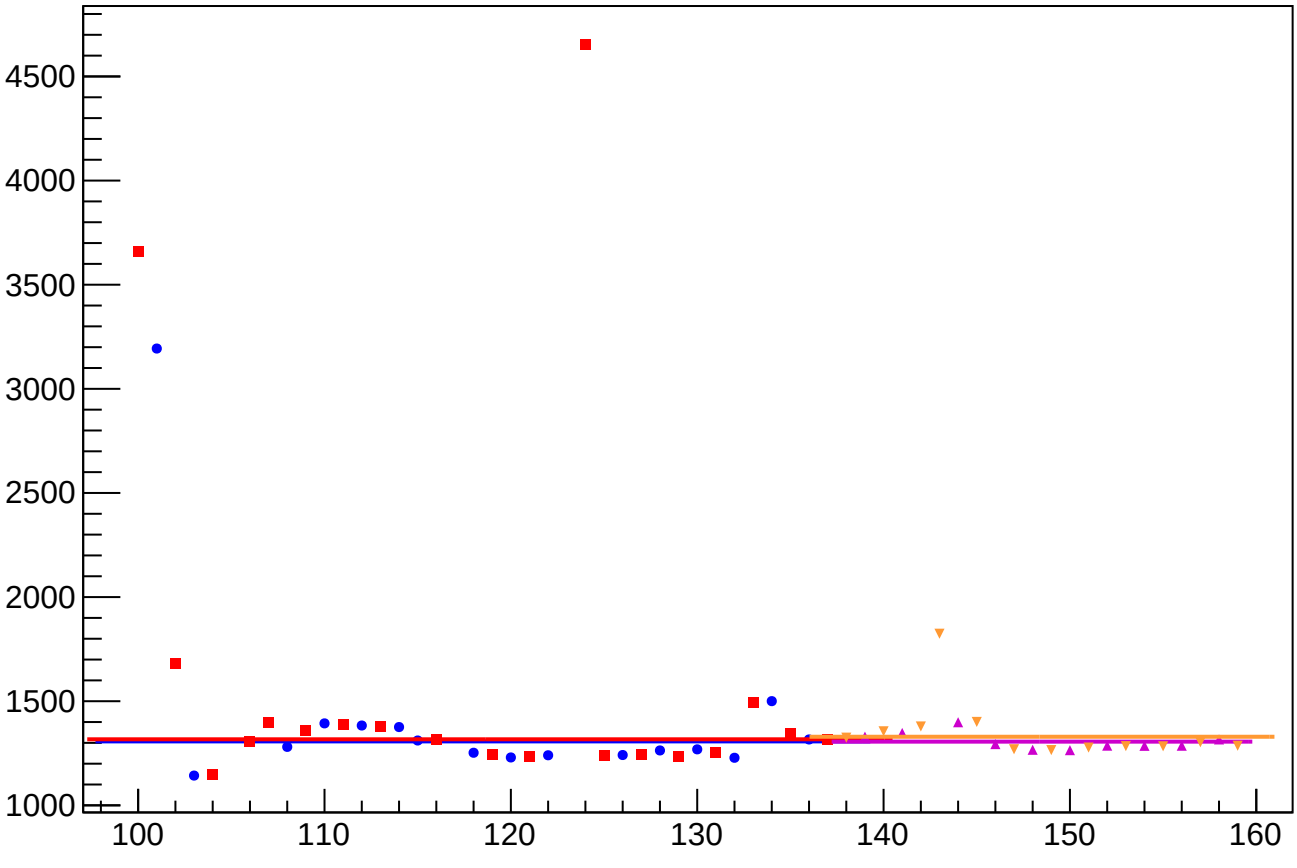
Left: 2037.427+/-309.003 χ^2/NDF: 40.2/21

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2731.044+/-329.937 χ^2/NDF:27.9/25

Out: 1522.477+/-325.336 χ^2/NDF:35.2/30

All: 2118.275+/-231.657 χ^2/NDF: 69.9/56



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1329.362+/-0.305 χ^2/NDF:143586.7/11

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

Left: 1317.897+/-0.218 χ^2/NDF: 161641.2/21

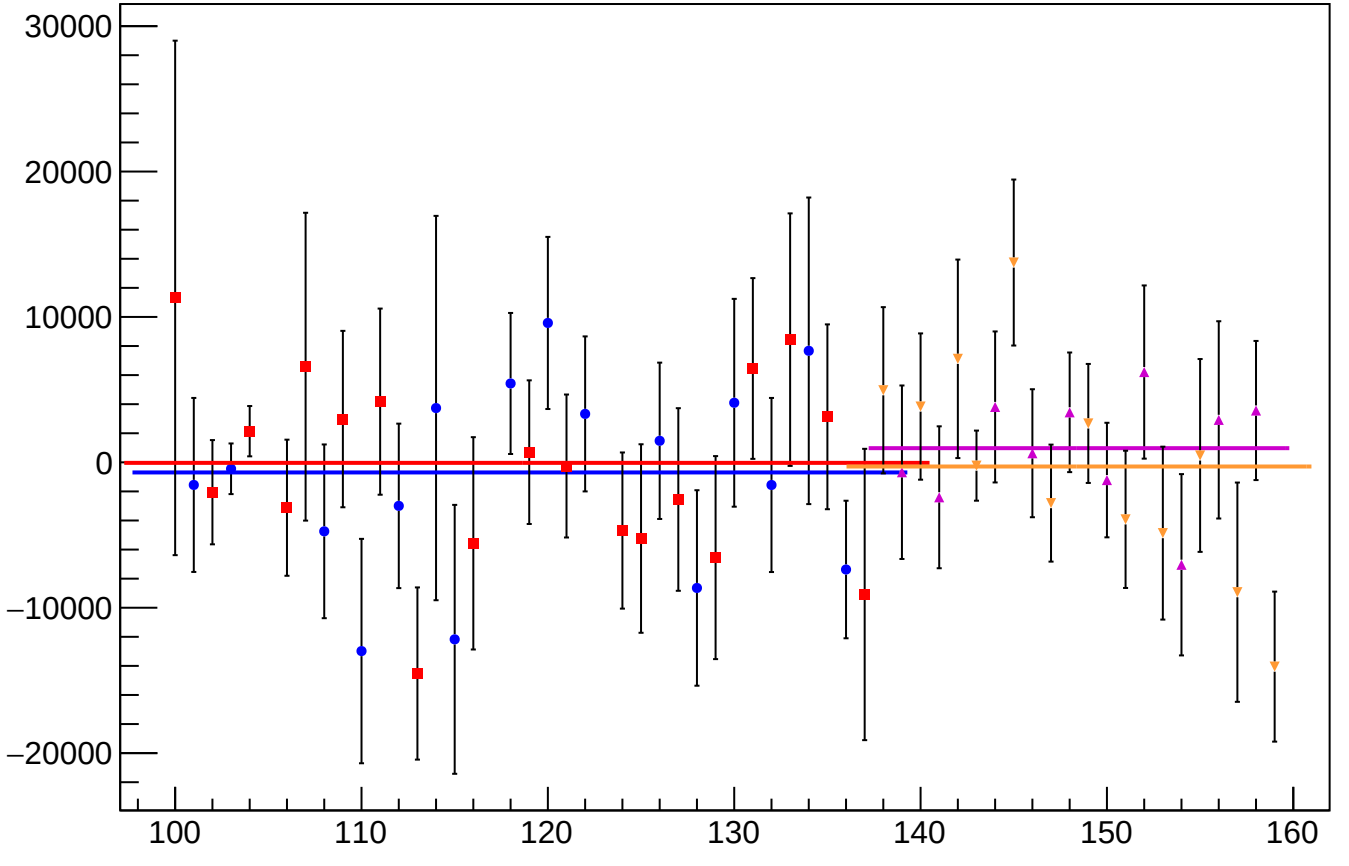
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.401+/-0.233 χ^2/NDF:531423.1/25

Out: 1324.060+/-0.230 χ^2/NDF:470209.1/30

All: 1315.362+/-0.164 χ^2/NDF: 1004539.4/56

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: -286.895+/-1328.143 χ^2/NDF:19.3/11

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 974.395+/-1577.964 χ^2/NDF:4.3/9

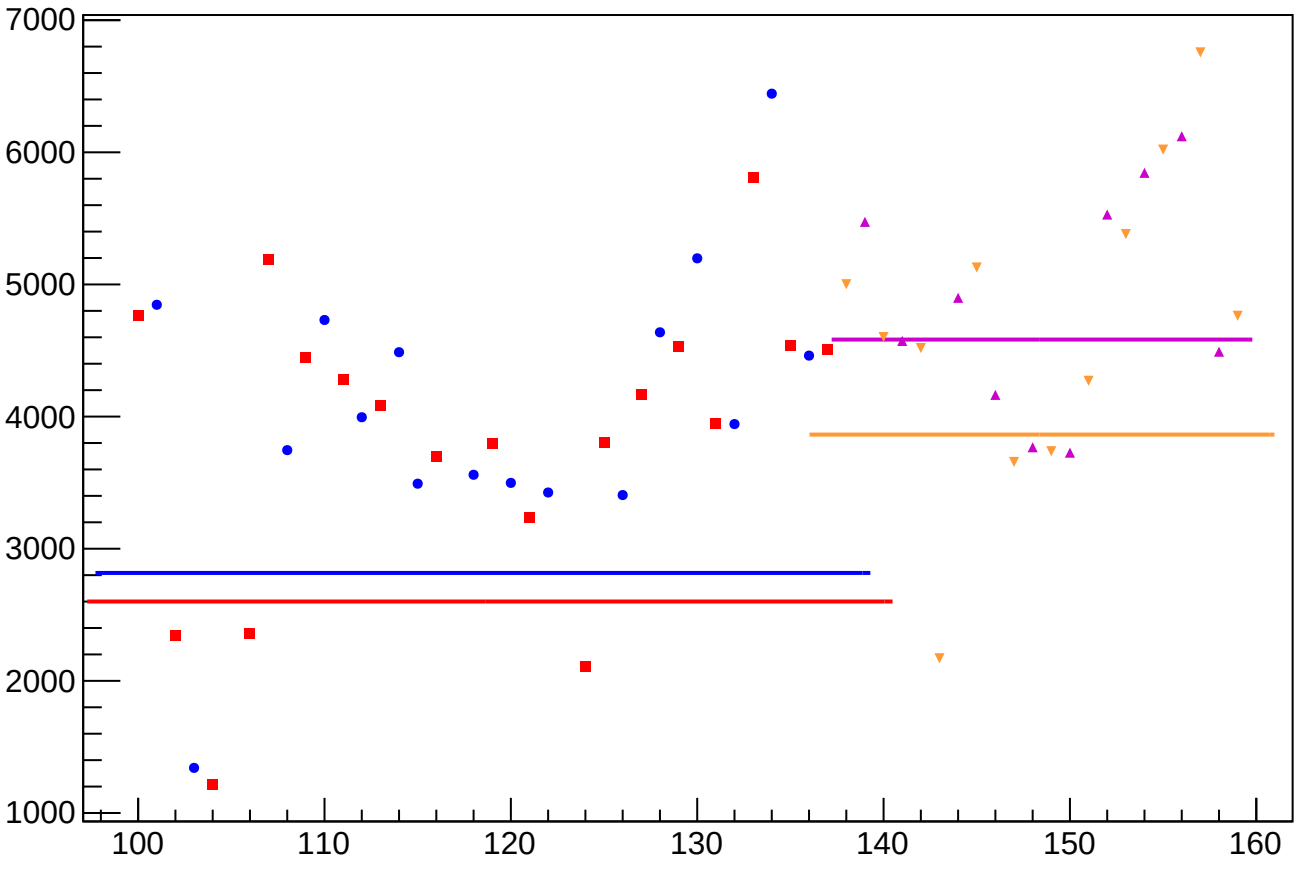
Left: 236.120+/-1016.124 χ^2/NDF: 24.0/21

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -94.854+/-946.246 χ^2/NDF:19.7/25

Out: -137.951+/-846.348 χ^2/NDF:35.2/30

All: -118.797+/-630.831 χ^2/NDF: 55.0/56



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3863.833+/-0.939 χ^2/NDF:1944259.9/11

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

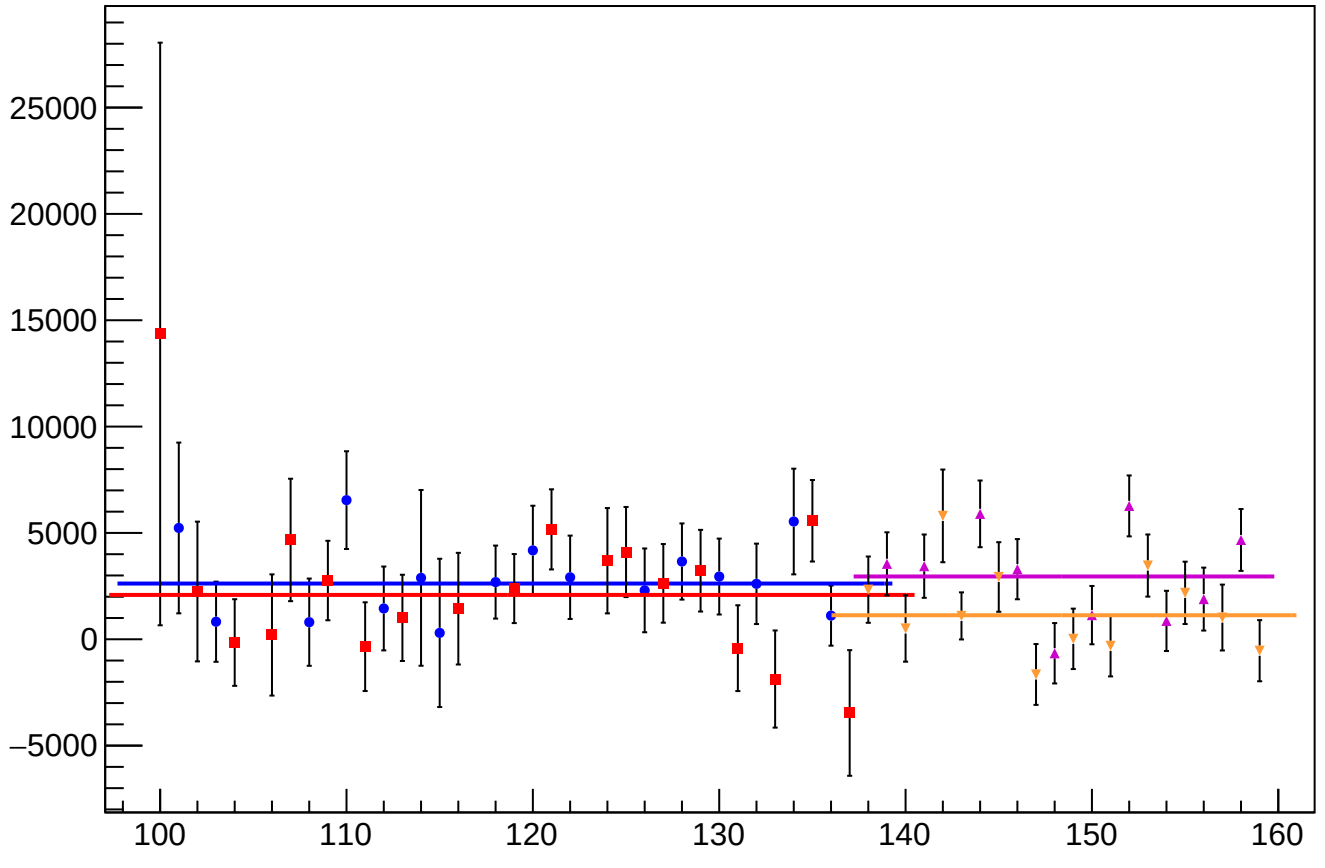
Left: 4161.977+/-0.719 χ^2/NDF: 2666322.1/21

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3451.845+/-0.669 χ^2/NDF:5090917.6/25

Out: 3113.525+/-0.598 χ^2/NDF:6099736.9/30

All: 3263.890+/-0.446 χ^2/NDF: 11332692.6/5



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1129.448+/-425.441 χ^2/NDF:16.4/11

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2952.926+/-458.475 χ^2/NDF:21.5/9

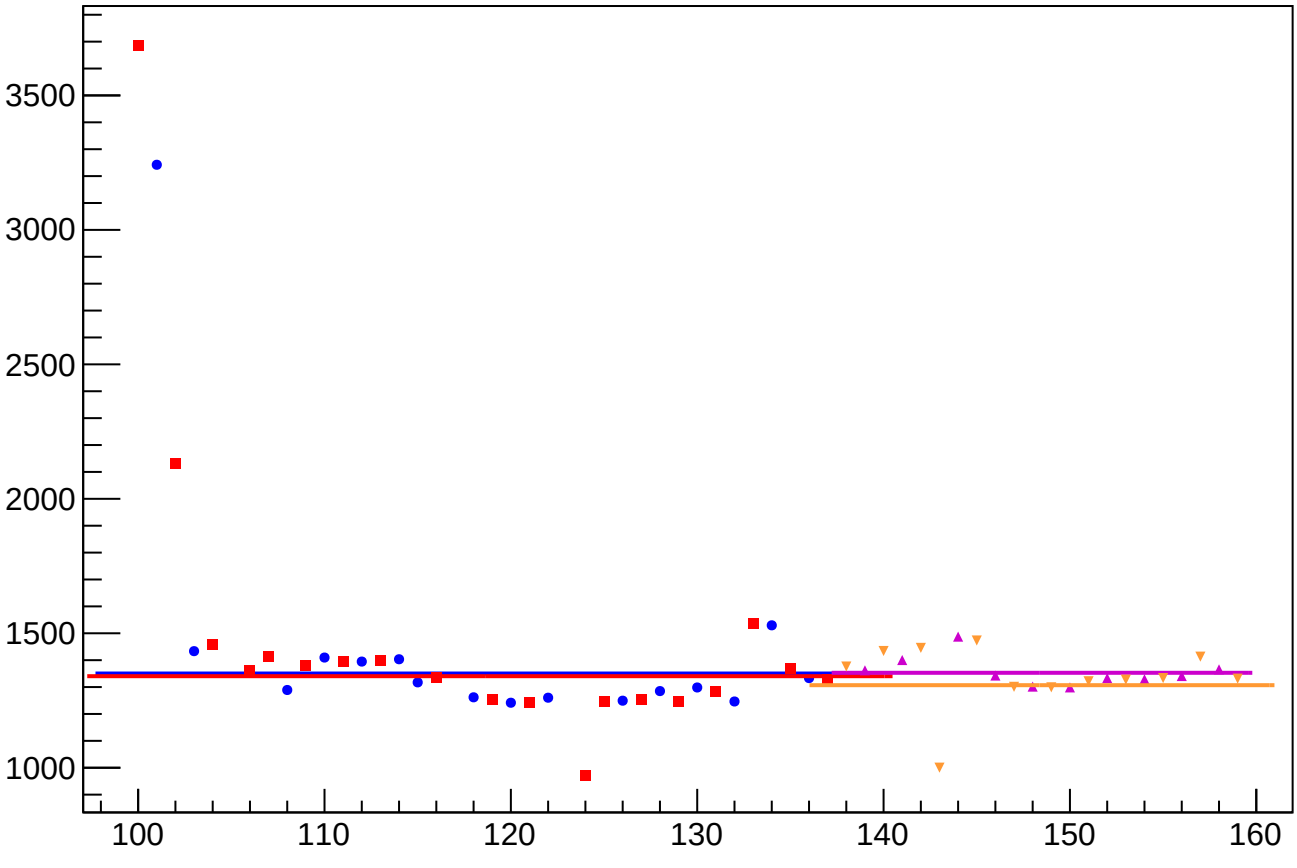
Left: 1973.136+/-311.857 χ^2/NDF: 46.4/21

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2804.850+/-341.406 χ^2/NDF:31.1/25

Out: 1526.480+/-325.334 χ^2/NDF:39.4/30

All: 2134.868+/-235.523 χ^2/NDF: 77.9/56



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1306.984+/-0.301 χ^2/NDF:210734.0/11

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1353.044+/-0.324 χ^2/NDF:23923.6/9

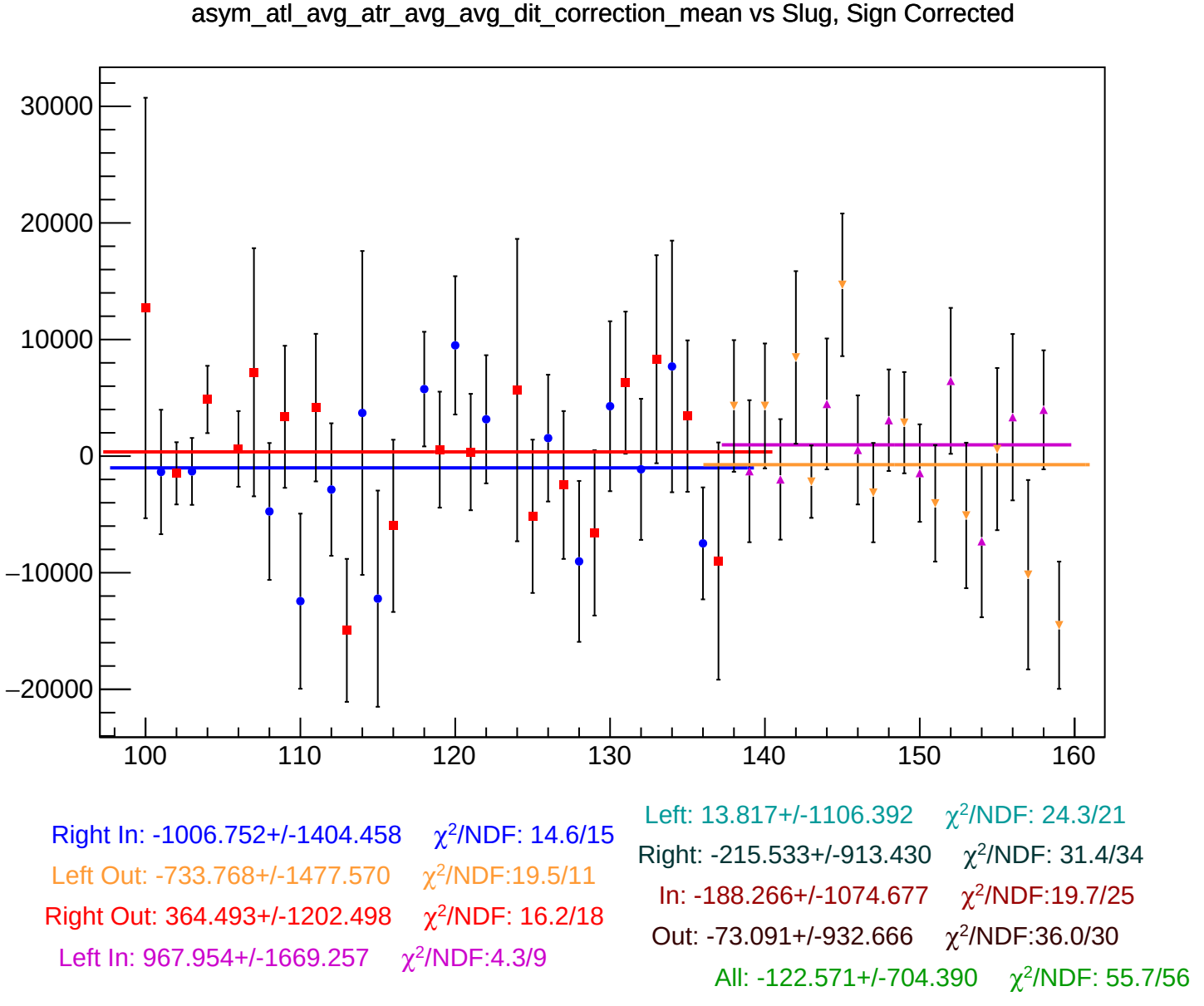
Left: 1328.295+/-0.221 χ^2/NDF: 245503.5/21

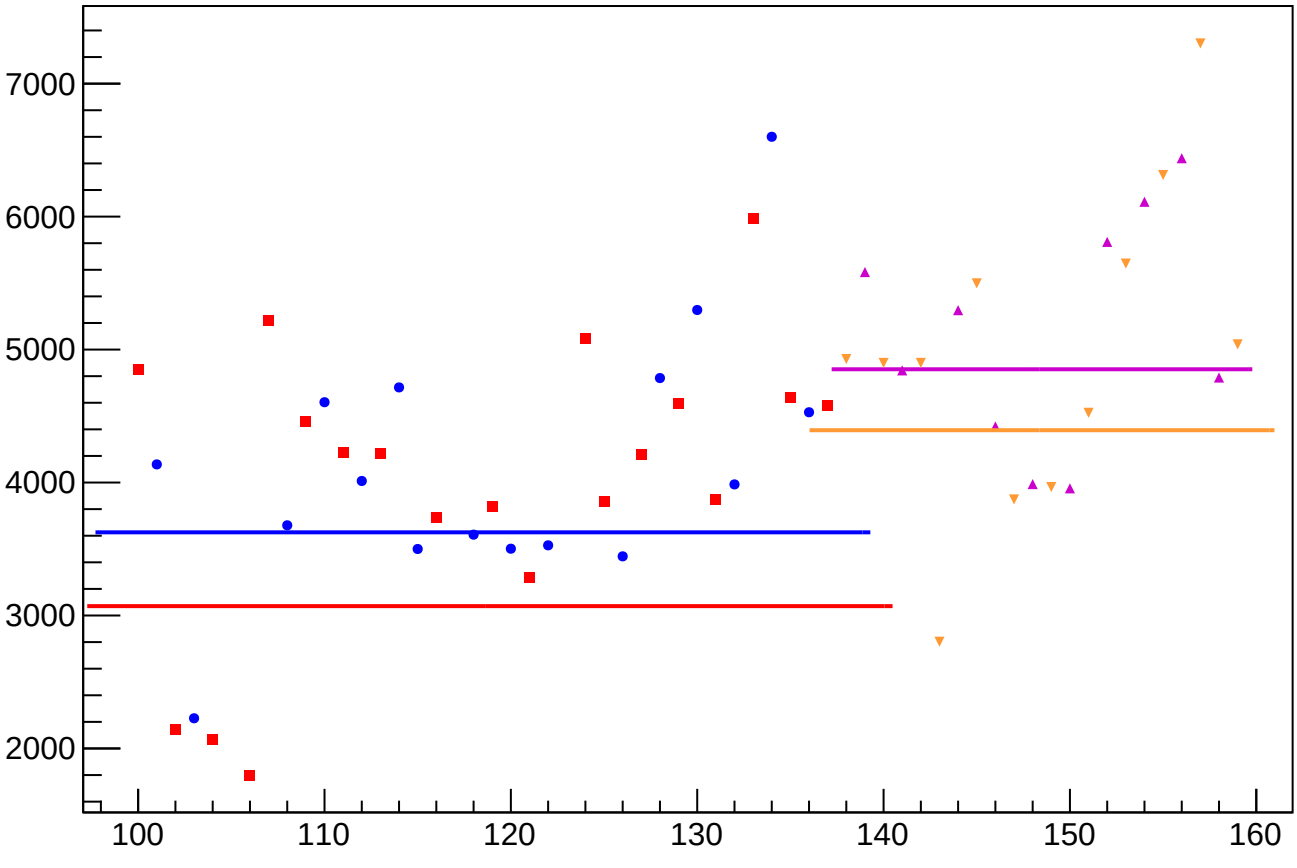
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1351.852+/-0.241 χ^2/NDF:518005.0/25

Out: 1320.882+/-0.230 χ^2/NDF:488053.3/30

All: 1335.617+/-0.167 χ^2/NDF: 1014686.0/56


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
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -733.768+/-1477.570 χ²/NDF:19.5/11
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 967.954+/-1669.257 χ²/NDF:4.3/9
Left: 13.817+/-1106.392 χ²/NDF: 24.3/21
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -188.266+/-1074.677 χ²/NDF:19.7/25
Out: -73.091+/-932.666 χ²/NDF:36.0/30
All: -122.571+/-704.390 χ²/NDF: 55.7/56



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4393.494+/-1.045 χ^2/NDF:1202843.6/11

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4851.891+/-1.180 χ^2/NDF:449496.5/9

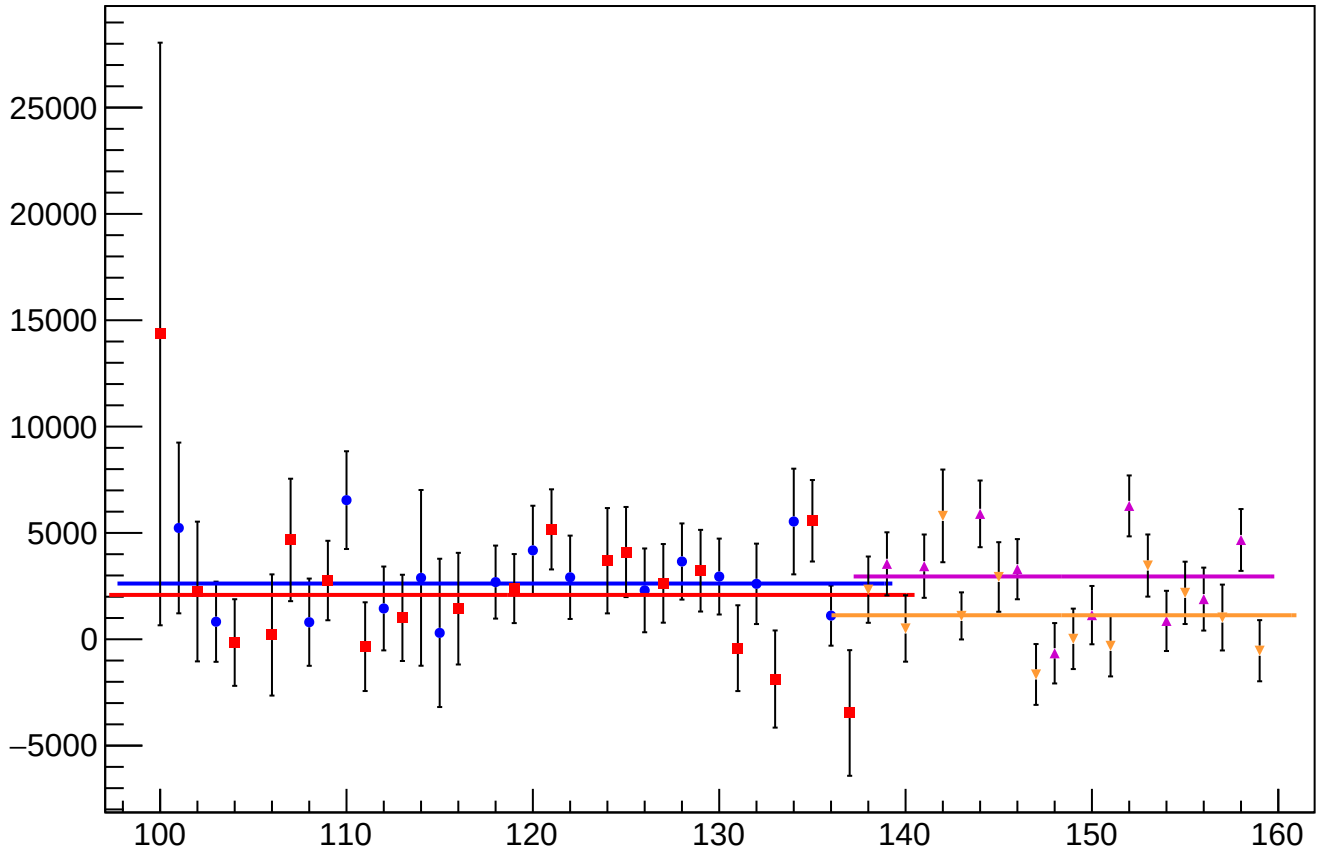
Left: 4594.873+/-0.782 χ^2/NDF: 1736904.9/21

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4133.828+/-0.760 χ^2/NDF:2026480.1/25

Out: 3597.591+/-0.659 χ^2/NDF:4006155.0/30

All: 3827.962+/-0.498 χ^2/NDF: 6316663.9/56



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1129.444+/-425.442 χ^2/NDF:16.4/11

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2952.926+/-458.475 χ^2/NDF:21.5/9

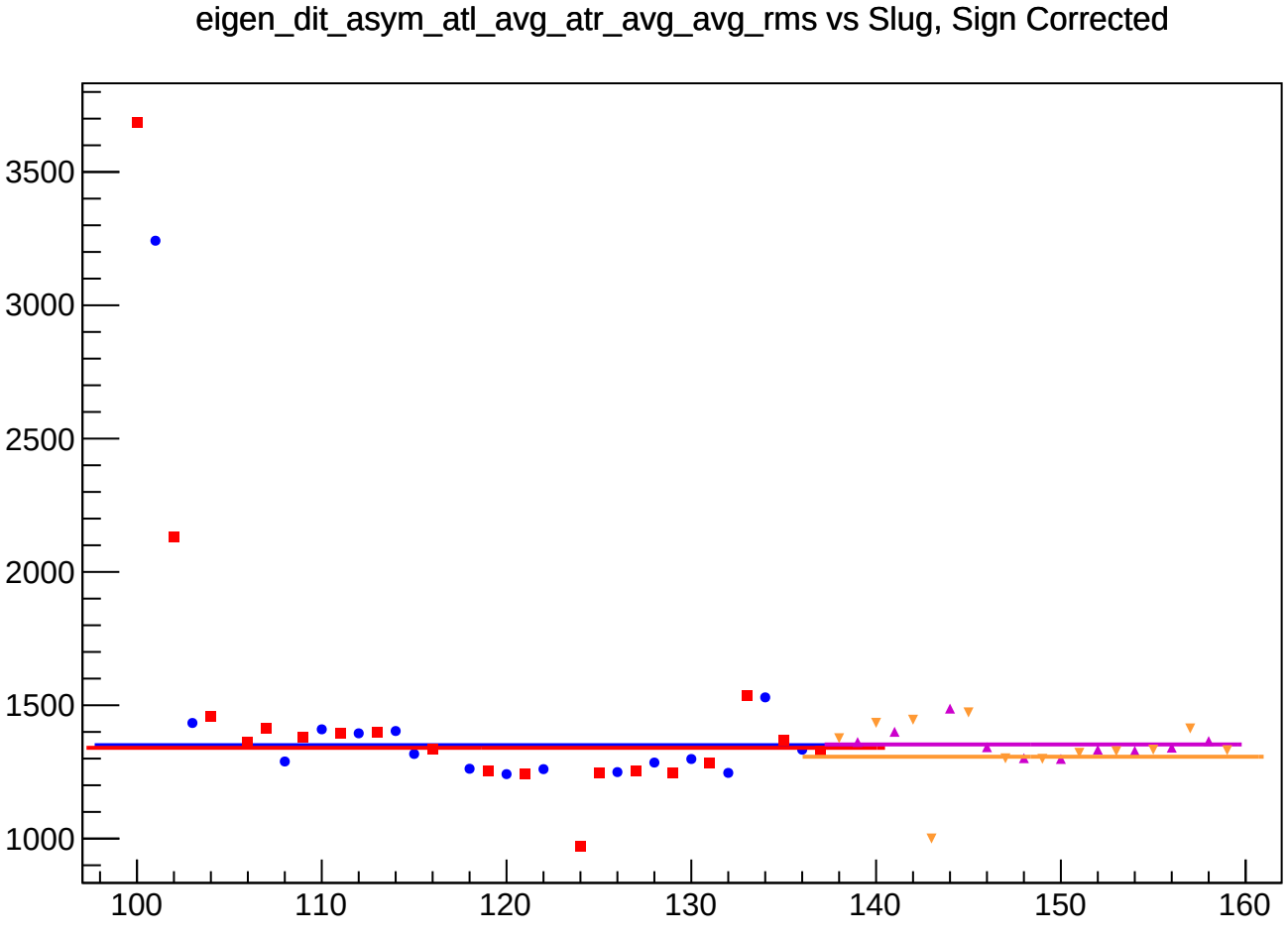
Left: 1973.134+/-311.858 χ^2/NDF: 46.4/21

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2804.850+/-341.406 χ^2/NDF:31.1/25

Out: 1526.479+/-325.334 χ^2/NDF:39.4/30

All: 2134.867+/-235.523 χ^2/NDF: 77.9/56



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1306.986+/-0.301 χ^2/NDF:210734.4/11

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1353.045+/-0.324 χ^2/NDF:23923.8/9

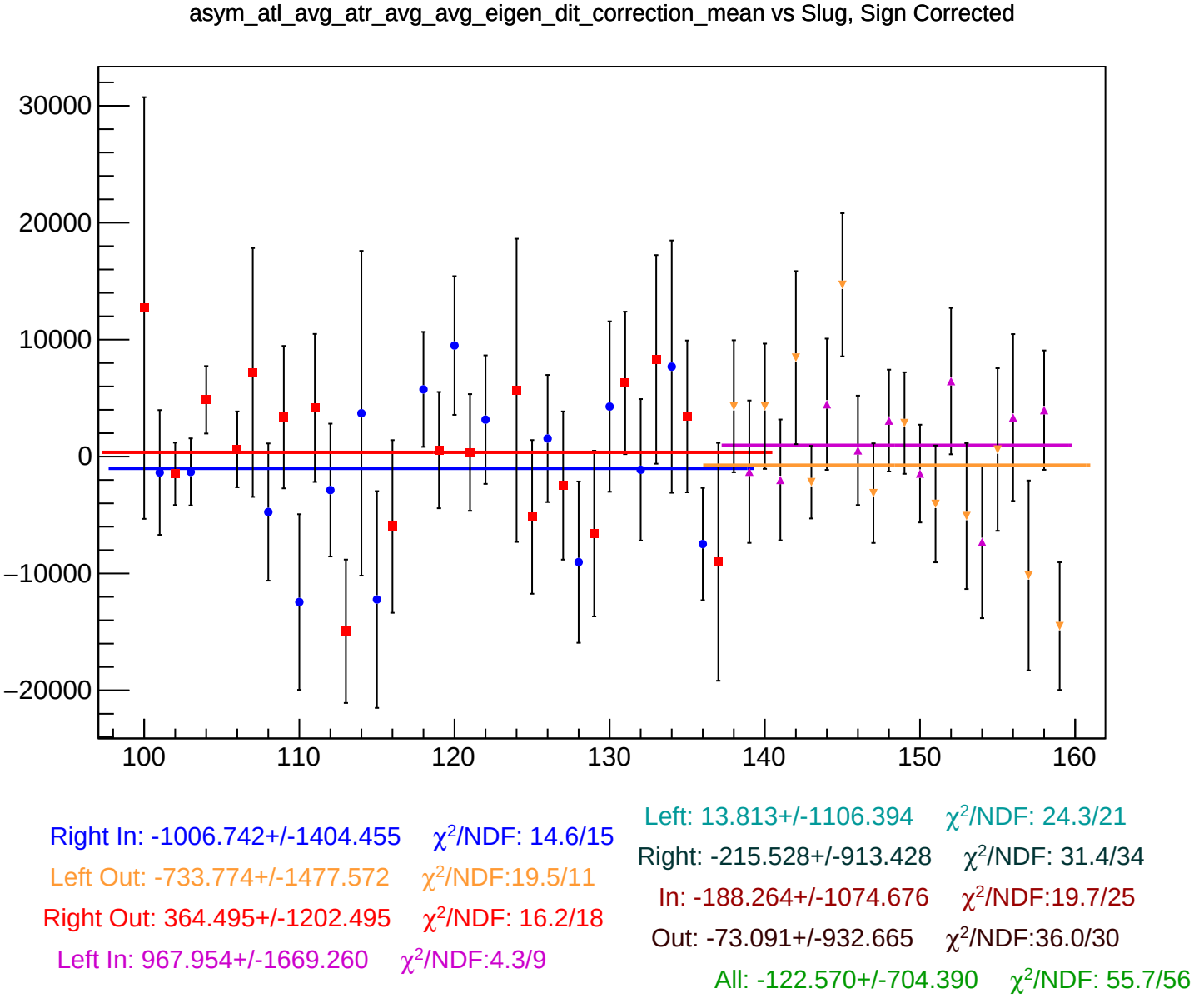
Left: 1328.296+/-0.221 χ^2/NDF: 245504.2/21

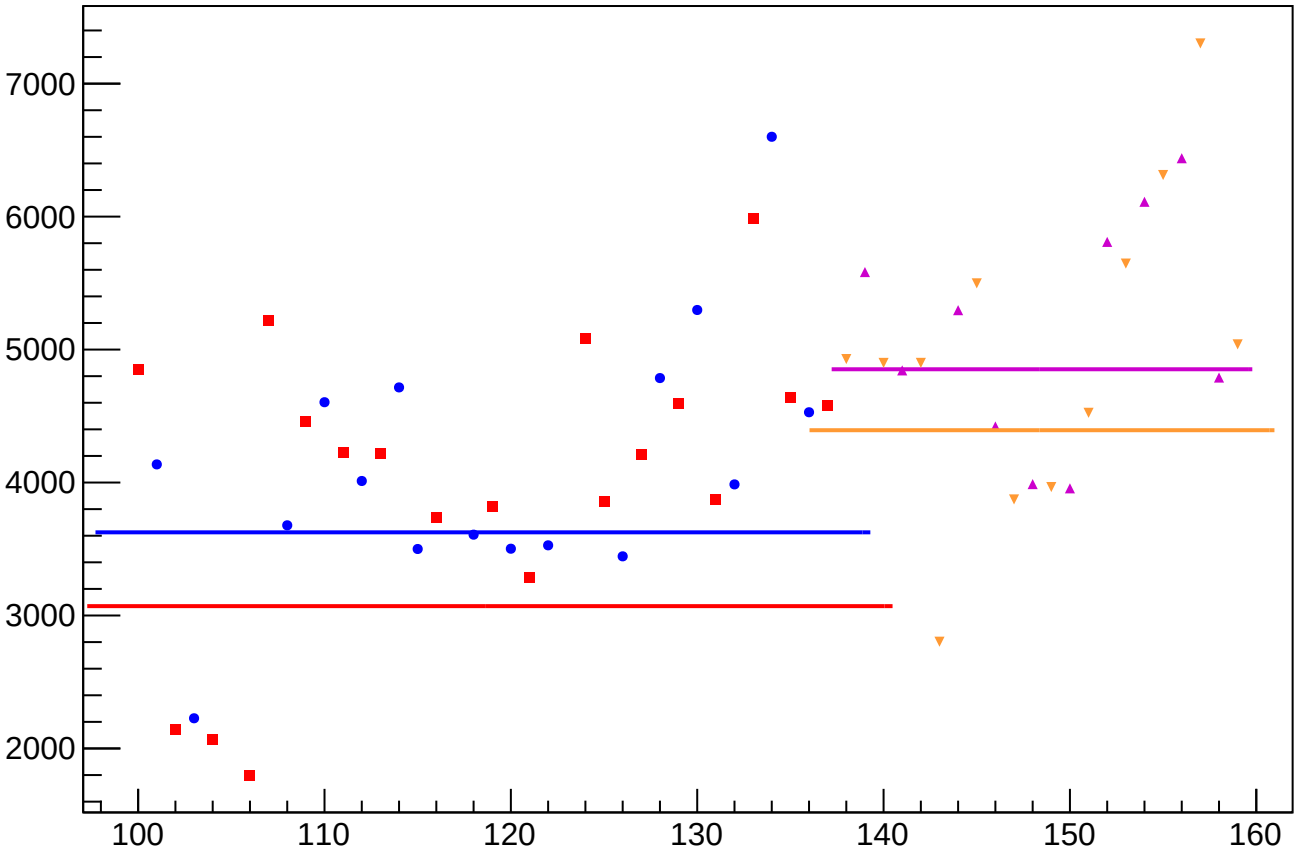
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1351.853+/-0.241 χ^2/NDF:518005.4/25

Out: 1320.882+/-0.230 χ^2/NDF:488052.3/30

All: 1335.617+/-0.167 χ^2/NDF: 1014685.3/56


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -733.774+/-1477.572 χ²/NDF:19.5/11
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 967.954+/-1669.260 χ²/NDF:4.3/9
Left: 13.813+/-1106.394 χ²/NDF: 24.3/21
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -188.264+/-1074.676 χ²/NDF:19.7/25
Out: -73.091+/-932.665 χ²/NDF:36.0/30
All: -122.570+/-704.390 χ²/NDF: 55.7/56



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4393.500+/-1.045 χ^2/NDF:1202842.9/11

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4851.897+/-1.180 χ^2/NDF:449496.9/9

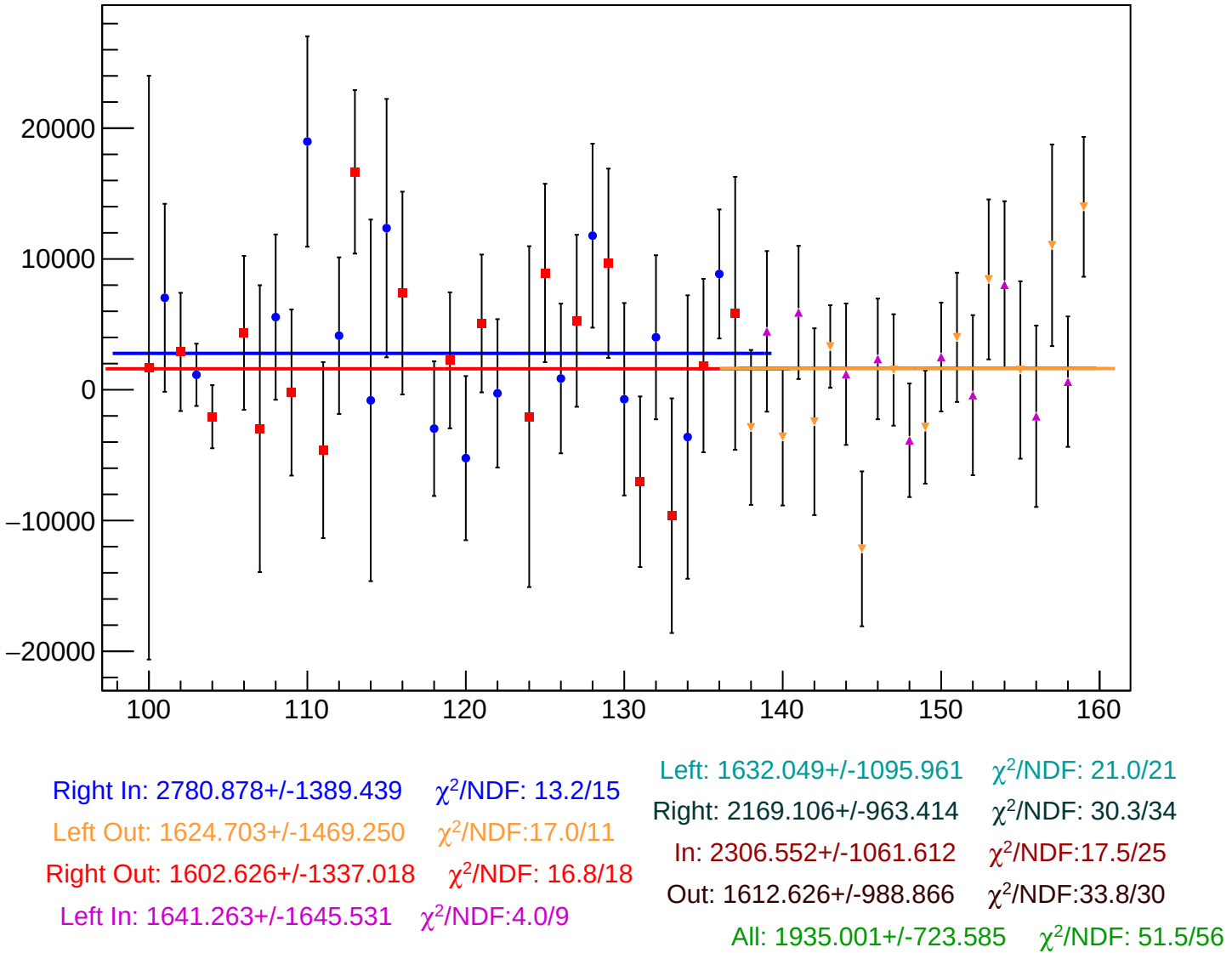
Left: 4594.879+/-0.782 χ^2/NDF: 1736904.4/21

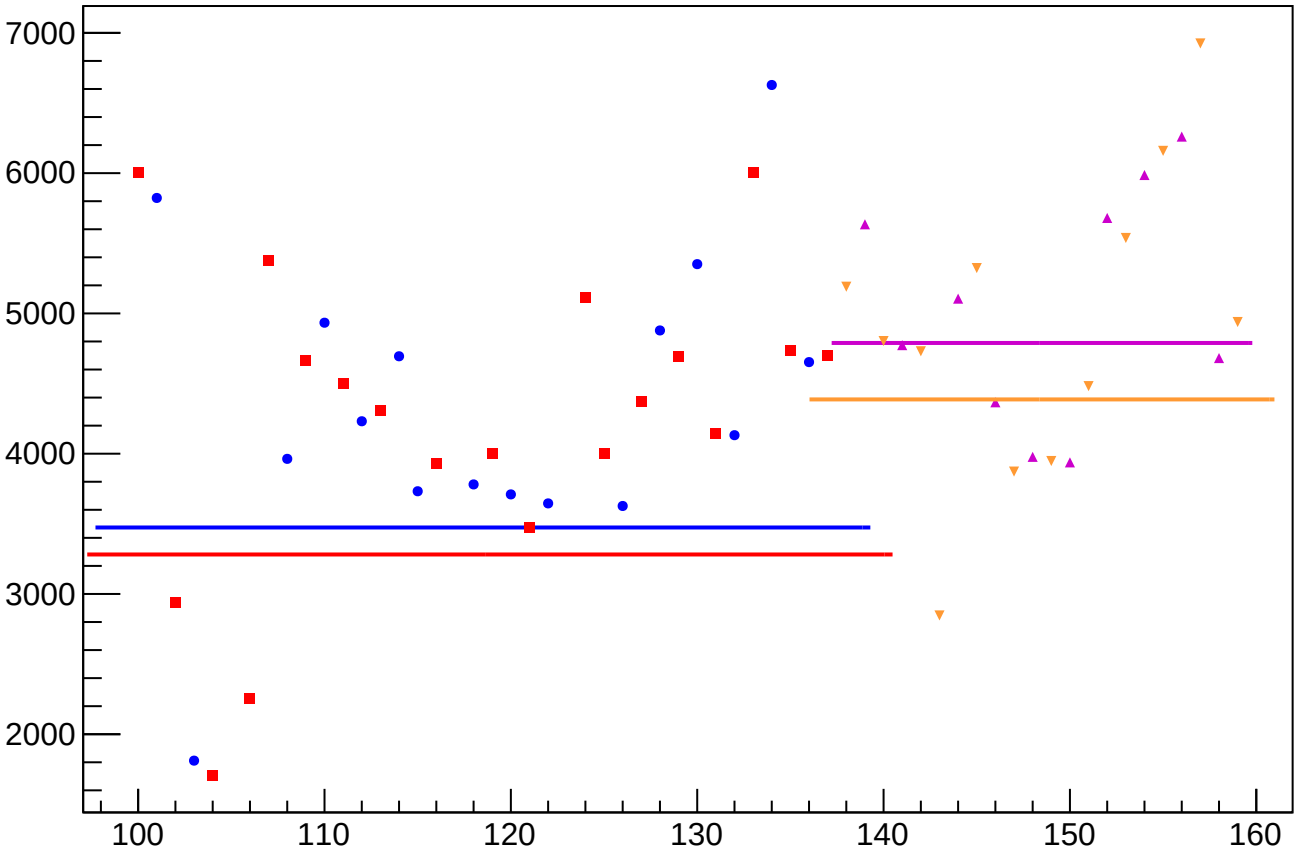
Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4133.823+/-0.760 χ^2/NDF:2026498.7/25

Out: 3597.586+/-0.659 χ^2/NDF:4006179.3/30

All: 3827.957+/-0.498 χ^2/NDF: 6316707.7/56


asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 2780.878+/-1389.439 χ²/NDF: 13.2/15
Left Out: 1624.703+/-1469.250 χ²/NDF:17.0/11
Right Out: 1602.626+/-1337.018 χ²/NDF: 16.8/18
Left In: 1641.263+/-1645.531 χ²/NDF:4.0/9
Left: 1632.049+/-1095.961 χ²/NDF: 21.0/21
Right: 2169.106+/-963.414 χ²/NDF: 30.3/34
In: 2306.552+/-1061.612 χ²/NDF:17.5/25
Out: 1612.626+/-988.866 χ²/NDF:33.8/30
All: 1935.001+/-723.585 χ²/NDF: 51.5/56



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4386.919+/-1.039 χ^2/NDF:1076459.4/11

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4789.404+/-1.164 χ^2/NDF:418924.0/9

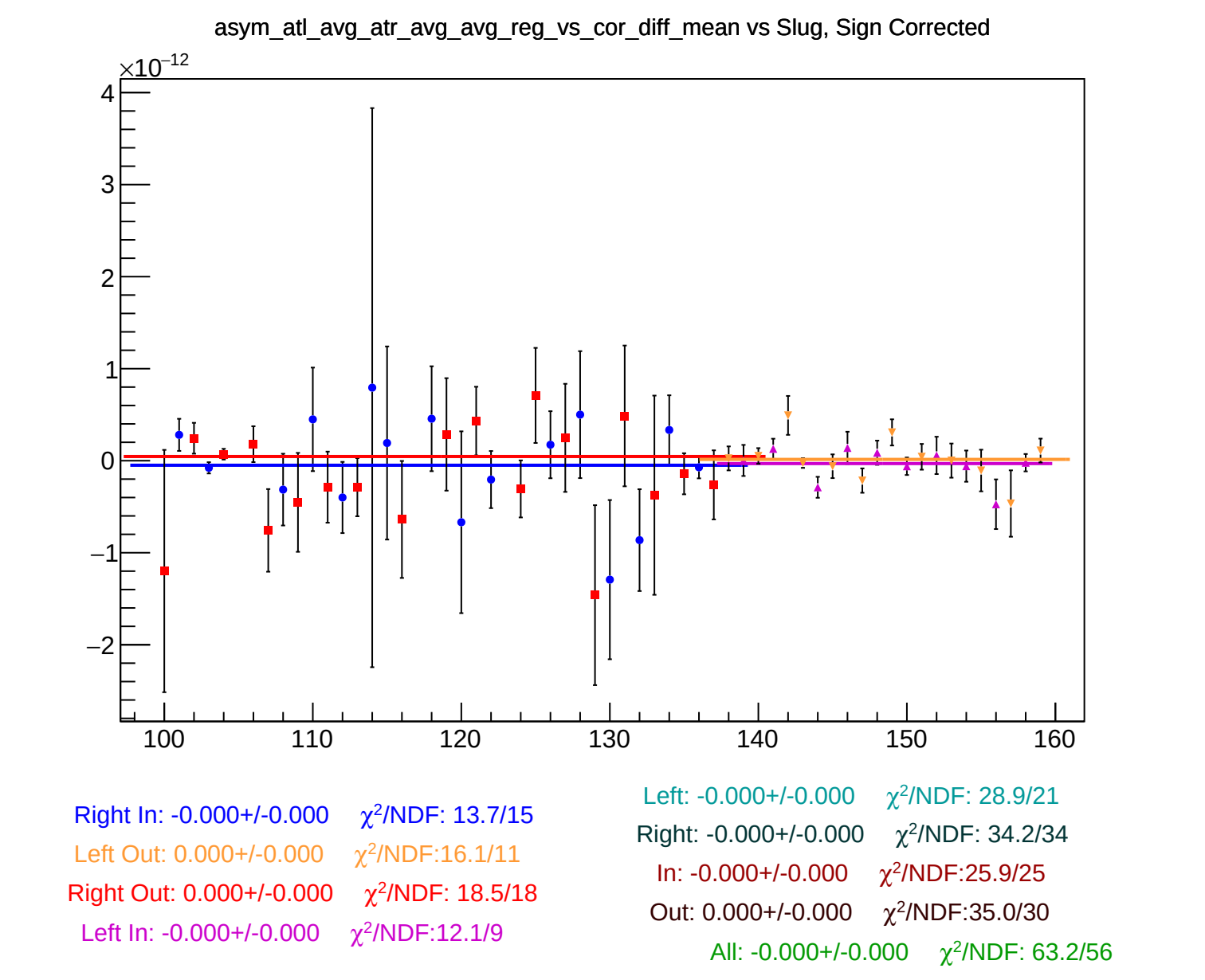
Left: 4565.456+/-0.775 χ^2/NDF: 1561959.0/21

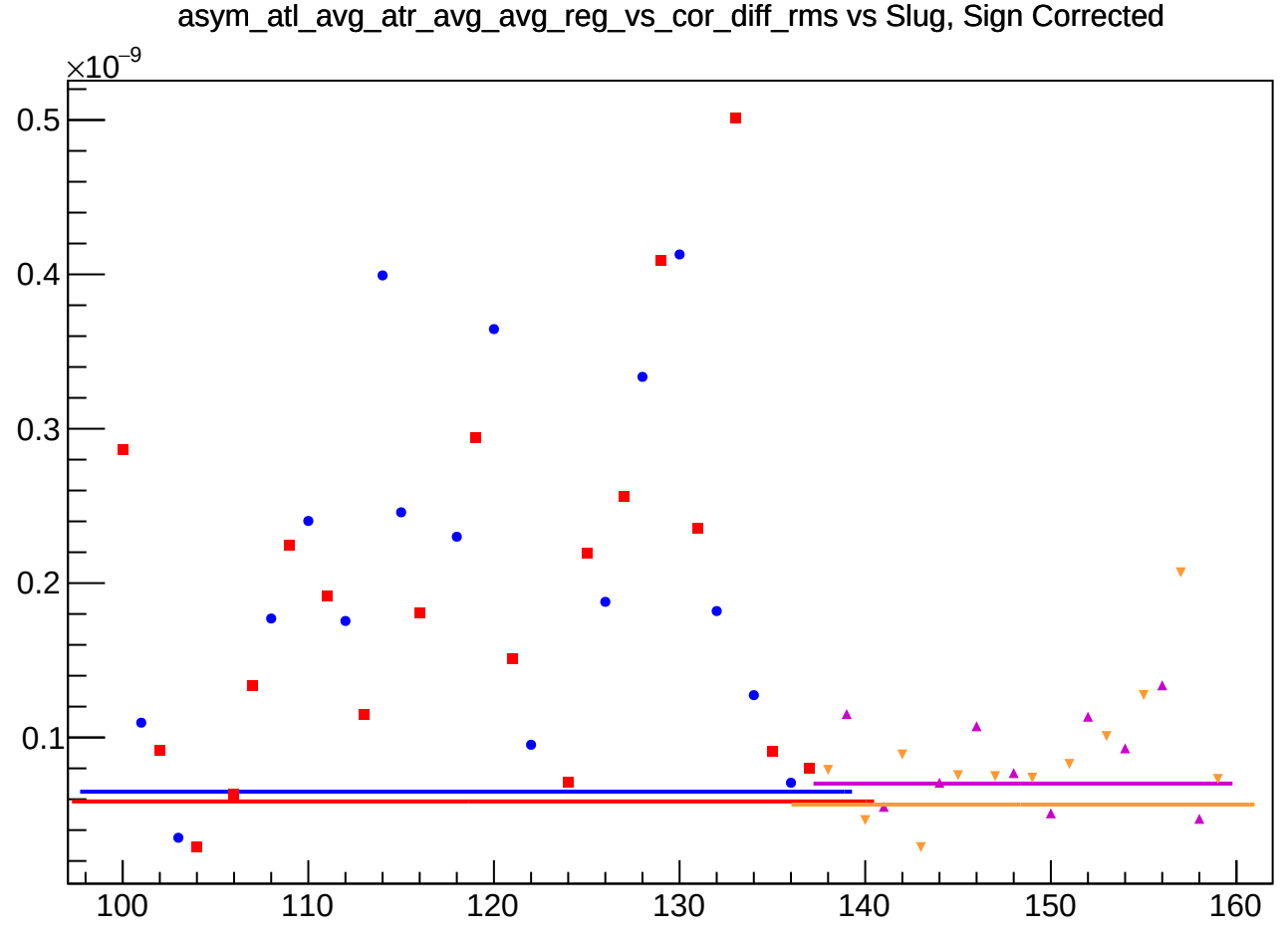
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4021.428+/-0.751 χ^2/NDF:3009093.5/25

Out: 3774.697+/-0.694 χ^2/NDF:3578976.0/30

All: 3888.391+/-0.510 χ^2/NDF: 6646319.7/56


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
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:12.1/9
Left: -0.000+/-0.000 χ²/NDF: 28.9/21
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:25.9/25
Out: 0.000+/-0.000 χ²/NDF:35.0/30
All: -0.000+/-0.000 χ²/NDF: 63.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1553082.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:713510.6/9

Left: 0.000+/-0.000 χ^2/NDF: 2398075.8/21

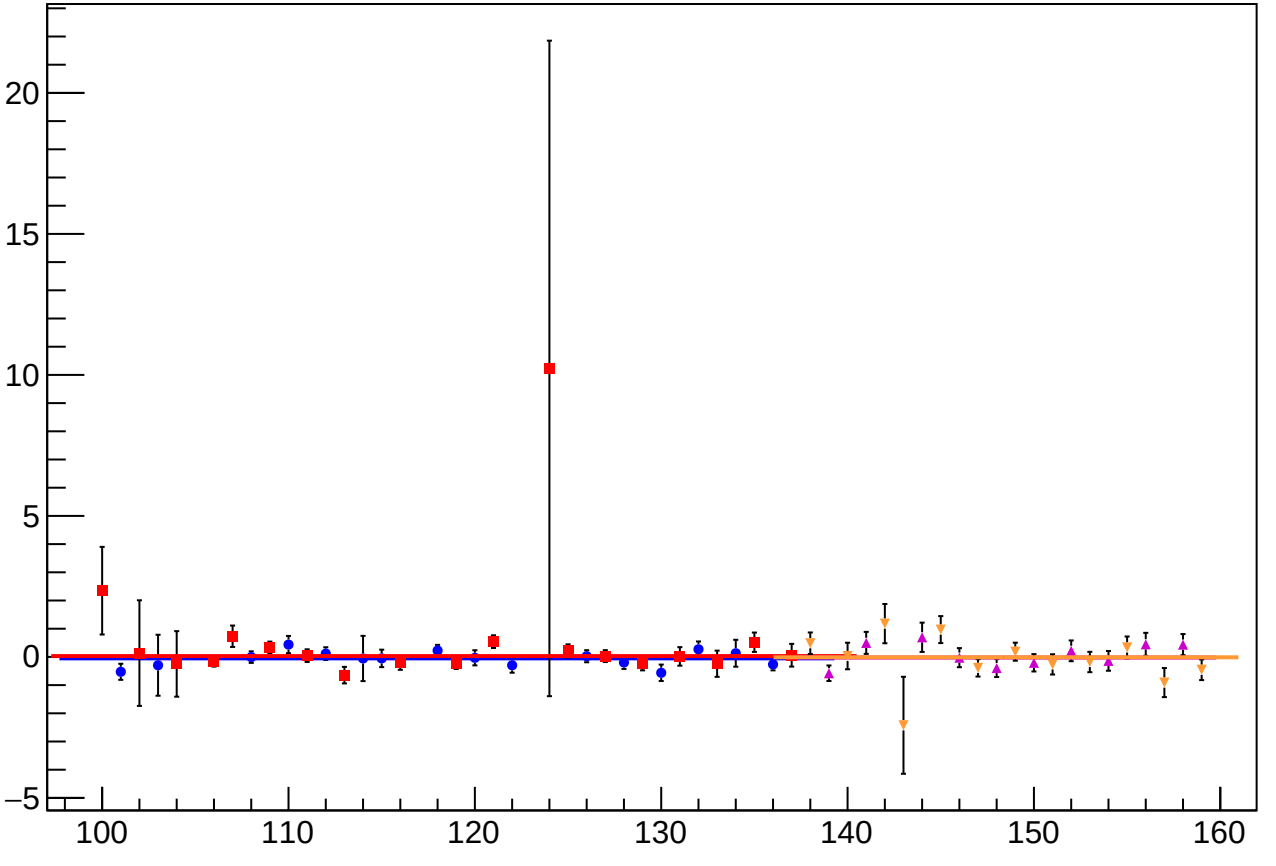
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3319977.2/25

Out: 0.000+/-0.000 χ^2/NDF:4410646.4/30

All: 0.000+/-0.000 χ^2/NDF: 7863421.8/56

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: -0.014+/-0.118 χ^2/NDF:18.7/11

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

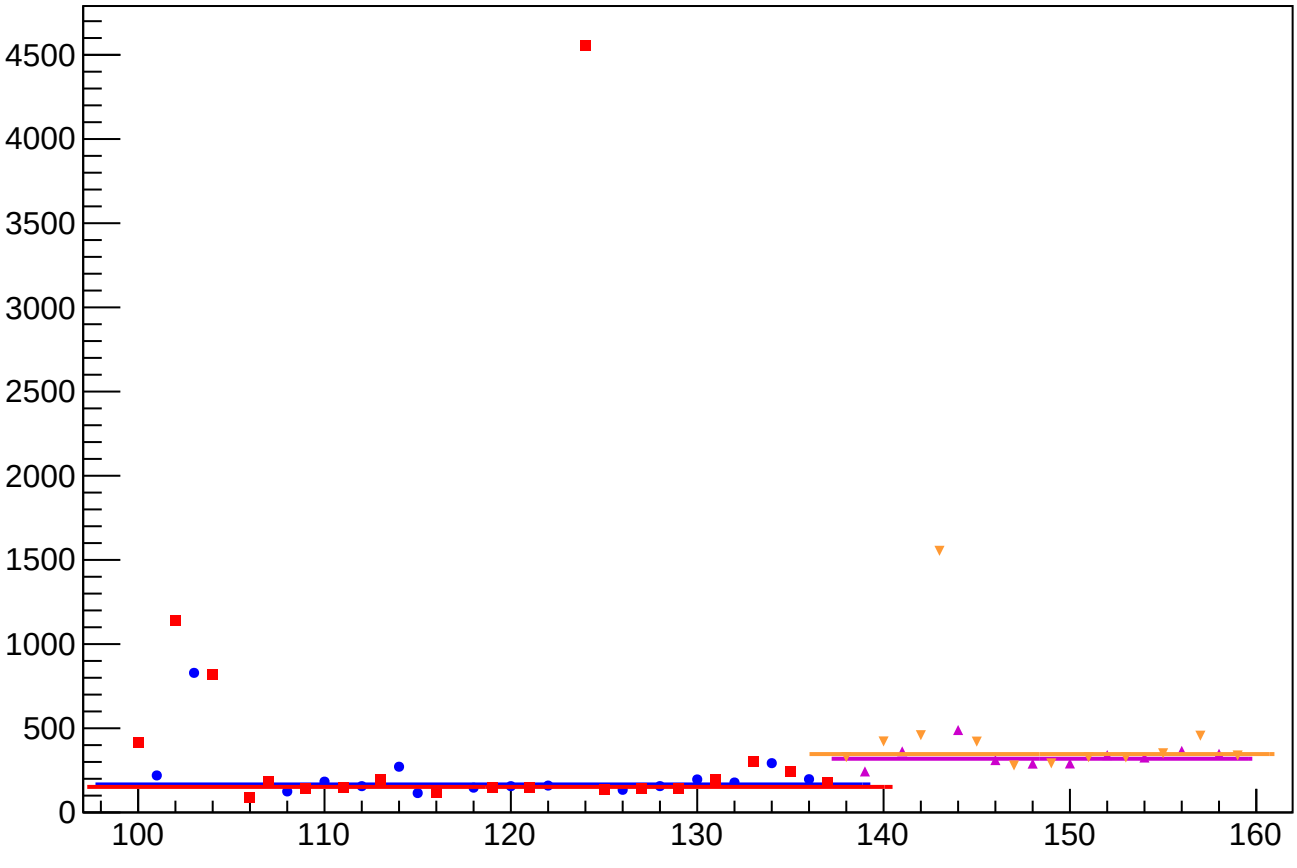
Left: -0.019+/-0.081 χ^2/NDF: 31.6/21

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.012+/-0.040 χ^2/NDF: 74.7/56



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 346.777+/-0.084 χ^2/NDF:1398294.8/11

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

Left: 332.018+/-0.057 χ^2/NDF: 1928528.6/21

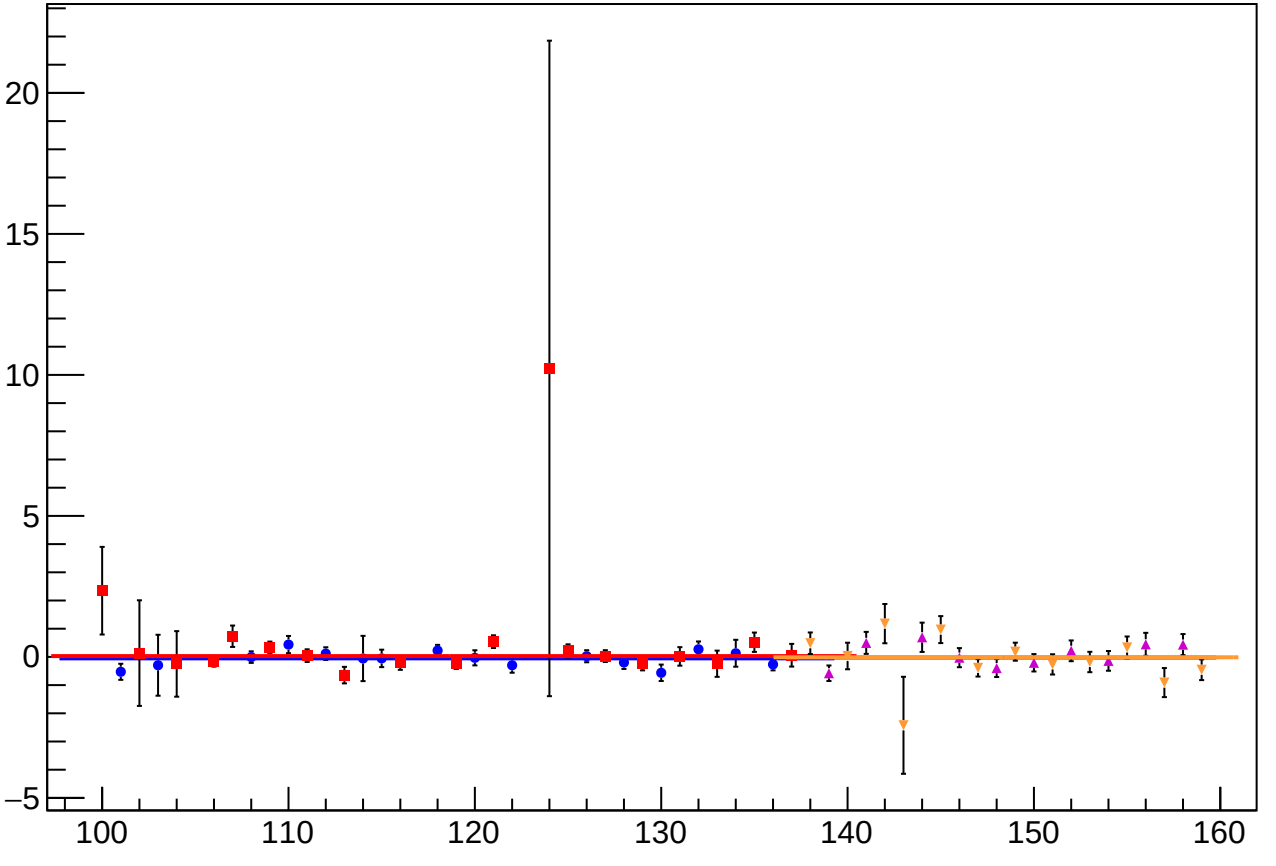
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 206.950+/-0.040 χ^2/NDF:4537350.5/25

Out: 196.074+/-0.040 χ^2/NDF:7927015.6/30

All: 201.427+/-0.028 χ^2/NDF: 12501122.0/56

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: -0.014+/-0.118 χ^2/NDF:18.7/11

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: -0.019+/-0.081 χ^2/NDF: 31.6/21

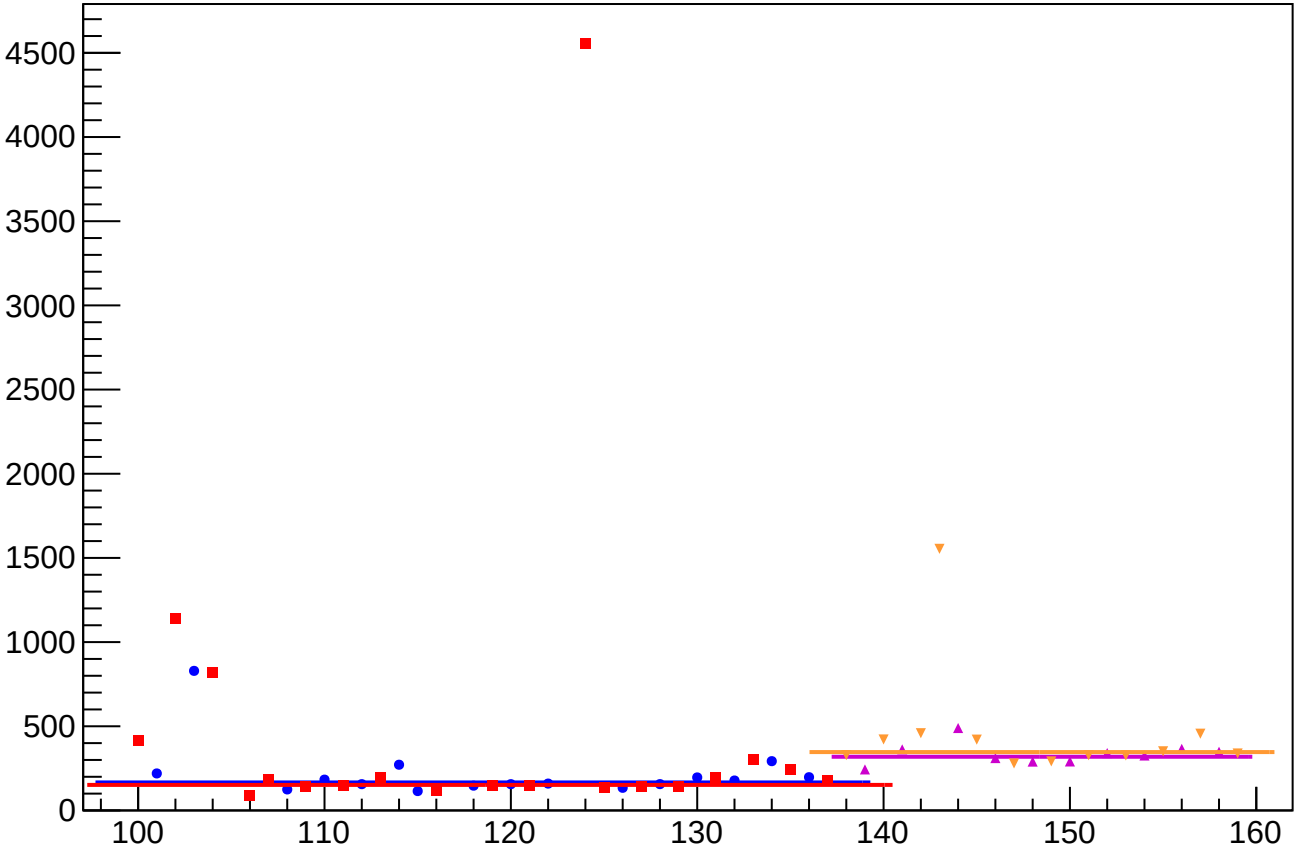
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.012+/-0.040 χ^2/NDF: 74.7/56

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: 346.777+/-0.084 χ^2/NDF:1398294.8/11

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

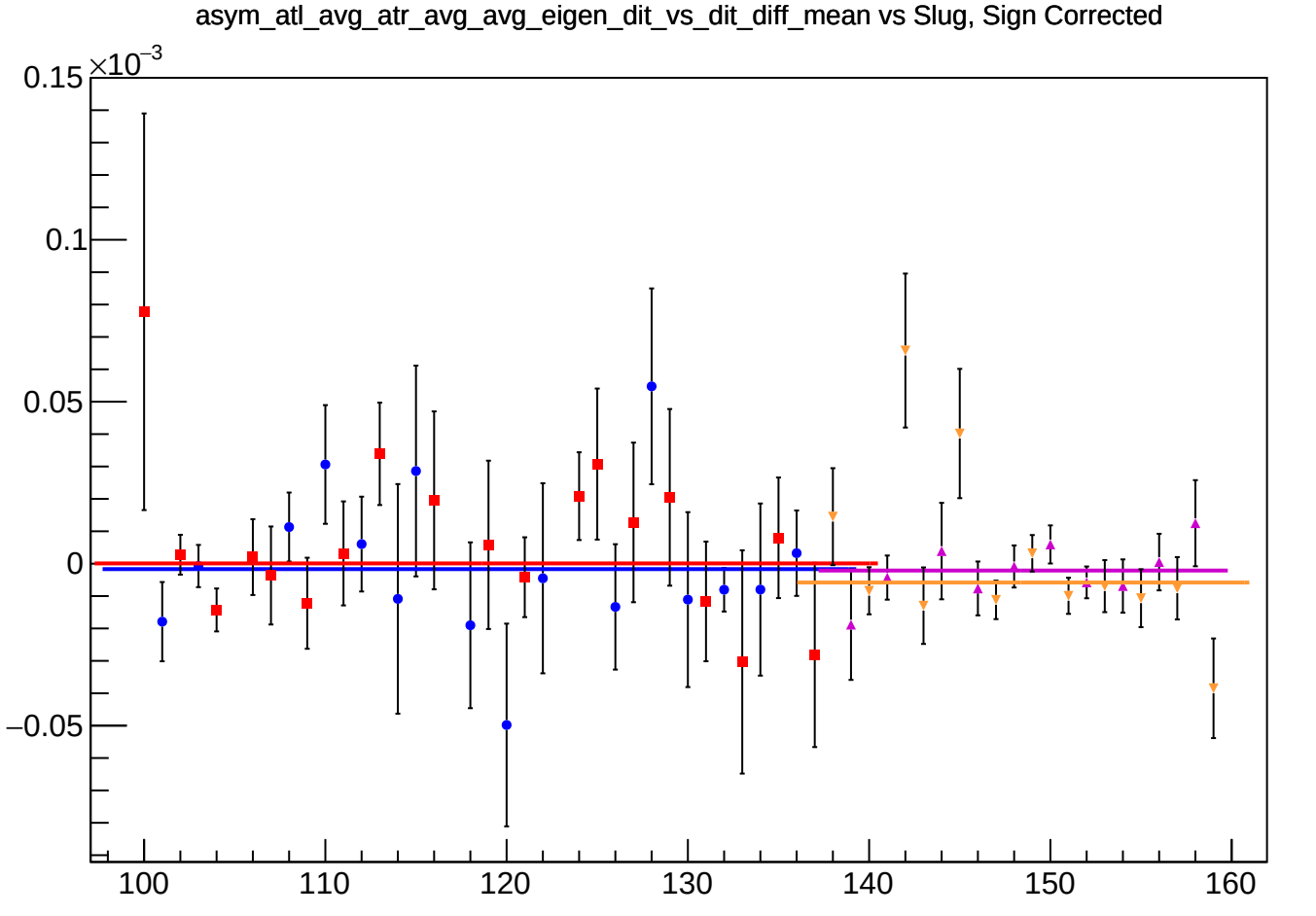
Left: 332.018+/-0.057 χ^2/NDF: 1928528.6/21

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 206.950+/-0.040 χ^2/NDF:4537350.5/25

Out: 196.074+/-0.040 χ^2/NDF:7927015.6/30

All: 201.427+/-0.028 χ^2/NDF: 12501122.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/9

Left: -0.000+/-0.000 χ^2/NDF: 32.4/21

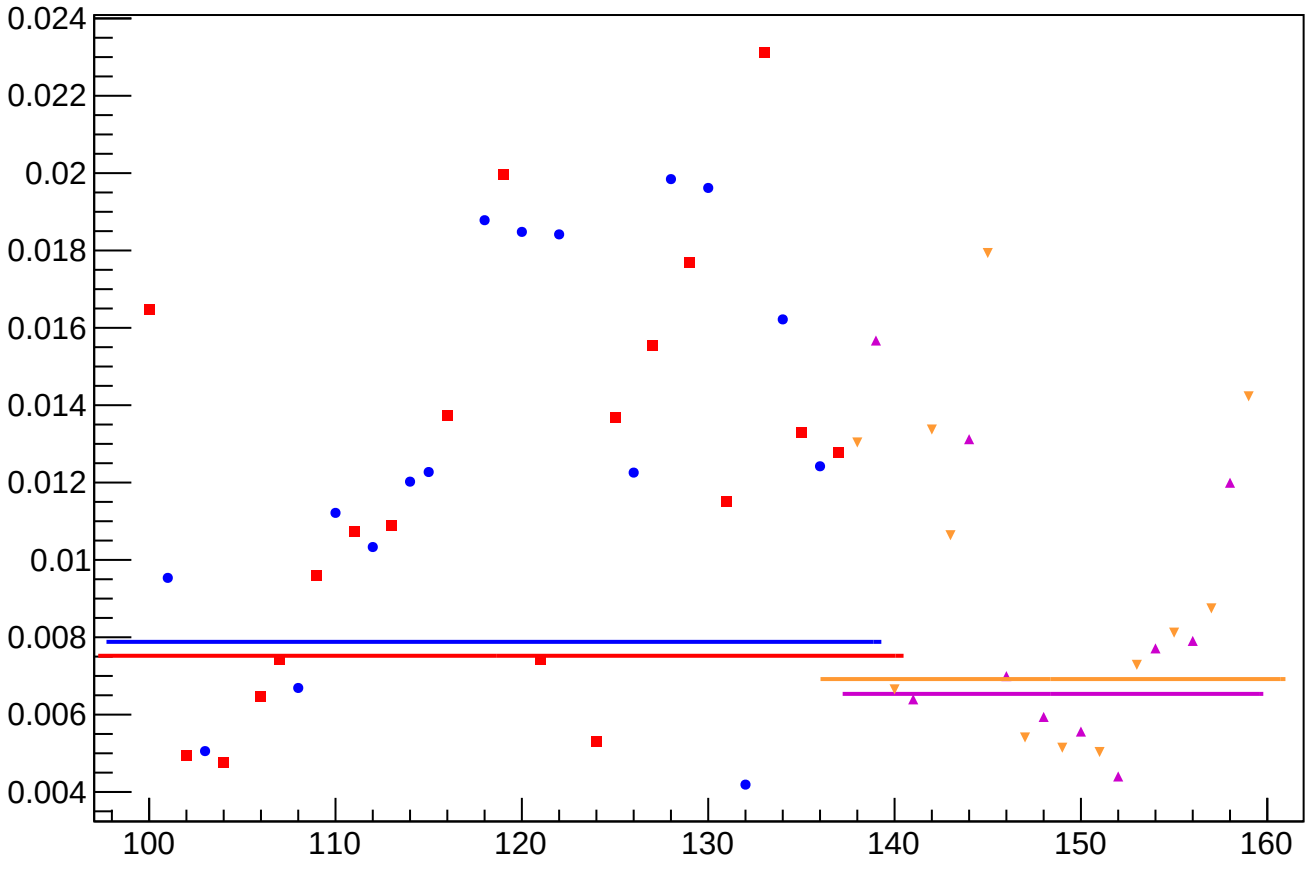
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:21.3/25

Out: -0.000+/-0.000 χ^2/NDF:47.6/30

All: -0.000+/-0.000 χ^2/NDF: 69.2/56

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: 0.007+/-0.000 χ^2/NDF:2412473.3/11

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1850327.6/9

Left: 0.007+/-0.000 χ^2/NDF: 4287851.6/21

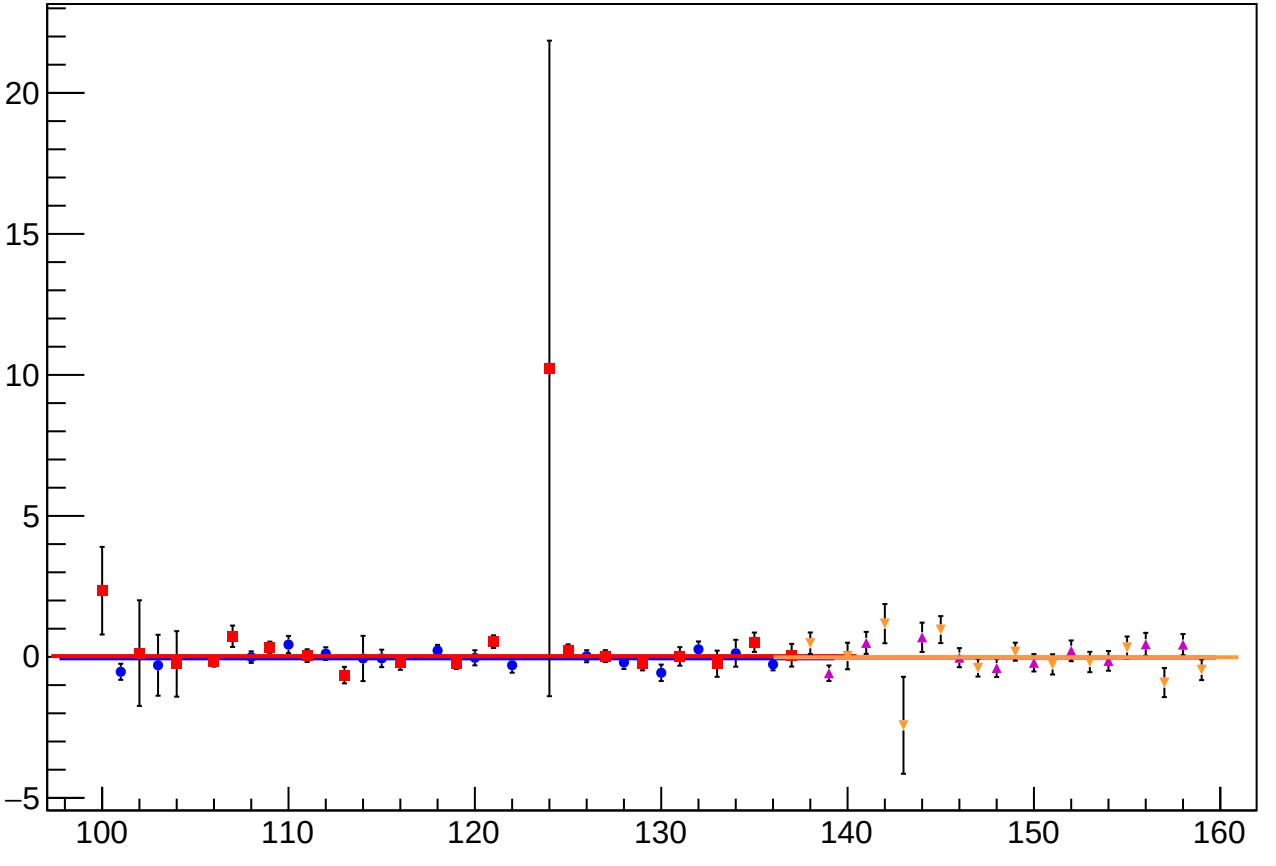
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5360192.4/25

Out: 0.007+/-0.000 χ^2/NDF:5433928.8/30

All: 0.007+/-0.000 χ^2/NDF: 10800717.6/56

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: -0.014+/-0.118 χ^2/NDF:18.7/11

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: -0.019+/-0.081 χ^2/NDF: 31.6/21

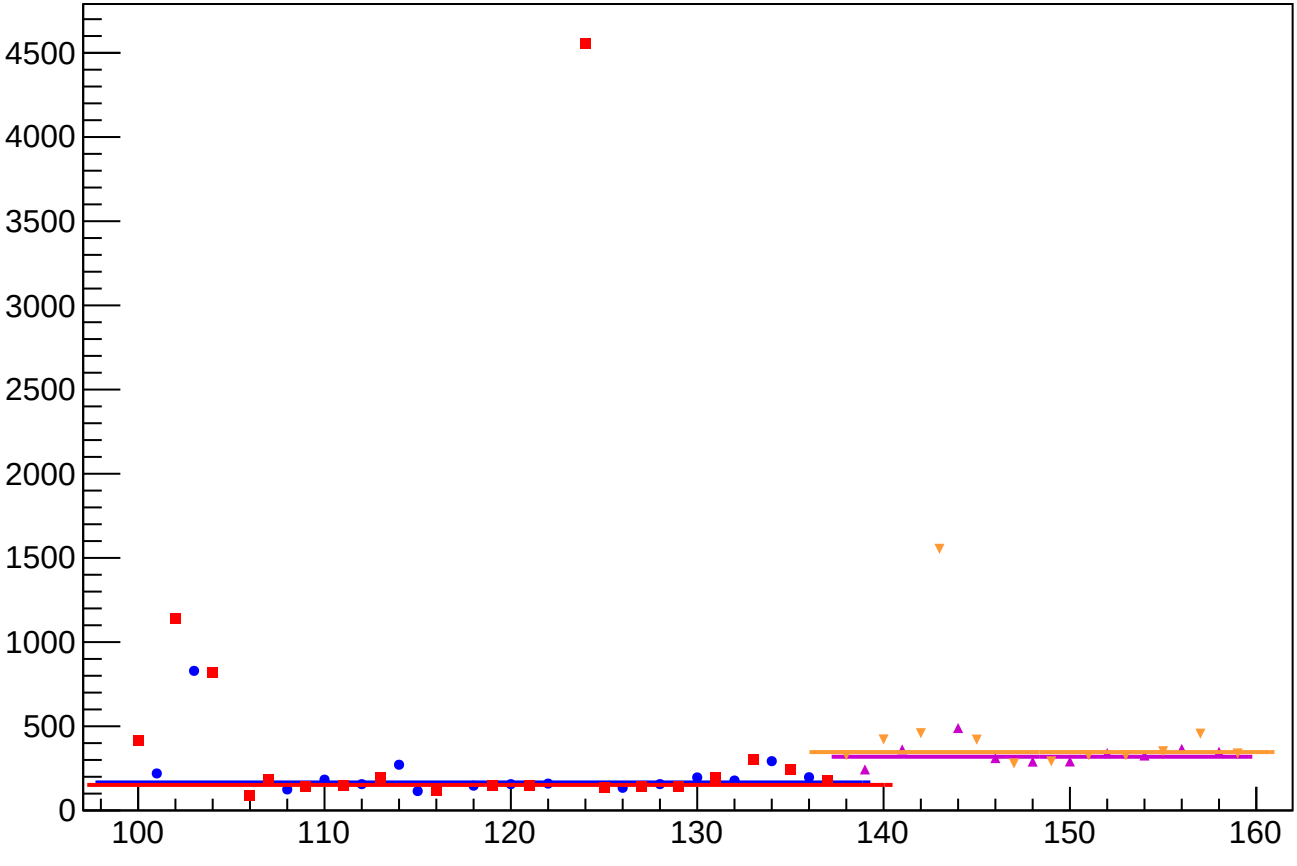
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.012+/-0.040 χ^2/NDF: 74.7/56

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: 346.781+/-0.084 χ^2/NDF:1398294.5/11

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

Left: 332.023+/-0.057 χ^2/NDF: 1928511.6/21

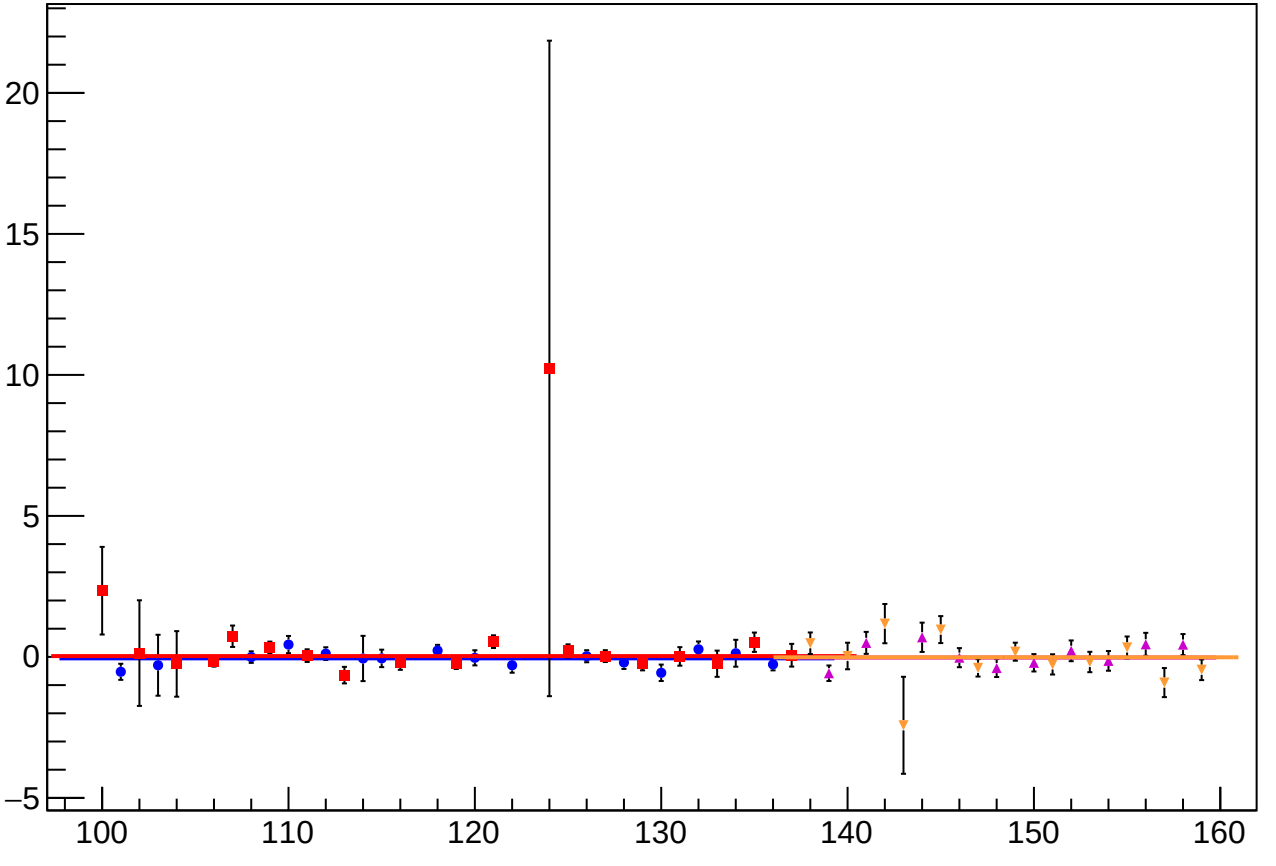
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 206.949+/-0.040 χ^2/NDF:4537476.4/25

Out: 196.072+/-0.040 χ^2/NDF:7927193.8/30

All: 201.426+/-0.028 χ^2/NDF: 12501432.9/56

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: -0.014+/-0.118 χ^2/NDF:18.7/11

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: -0.019+/-0.081 χ^2/NDF: 31.6/21

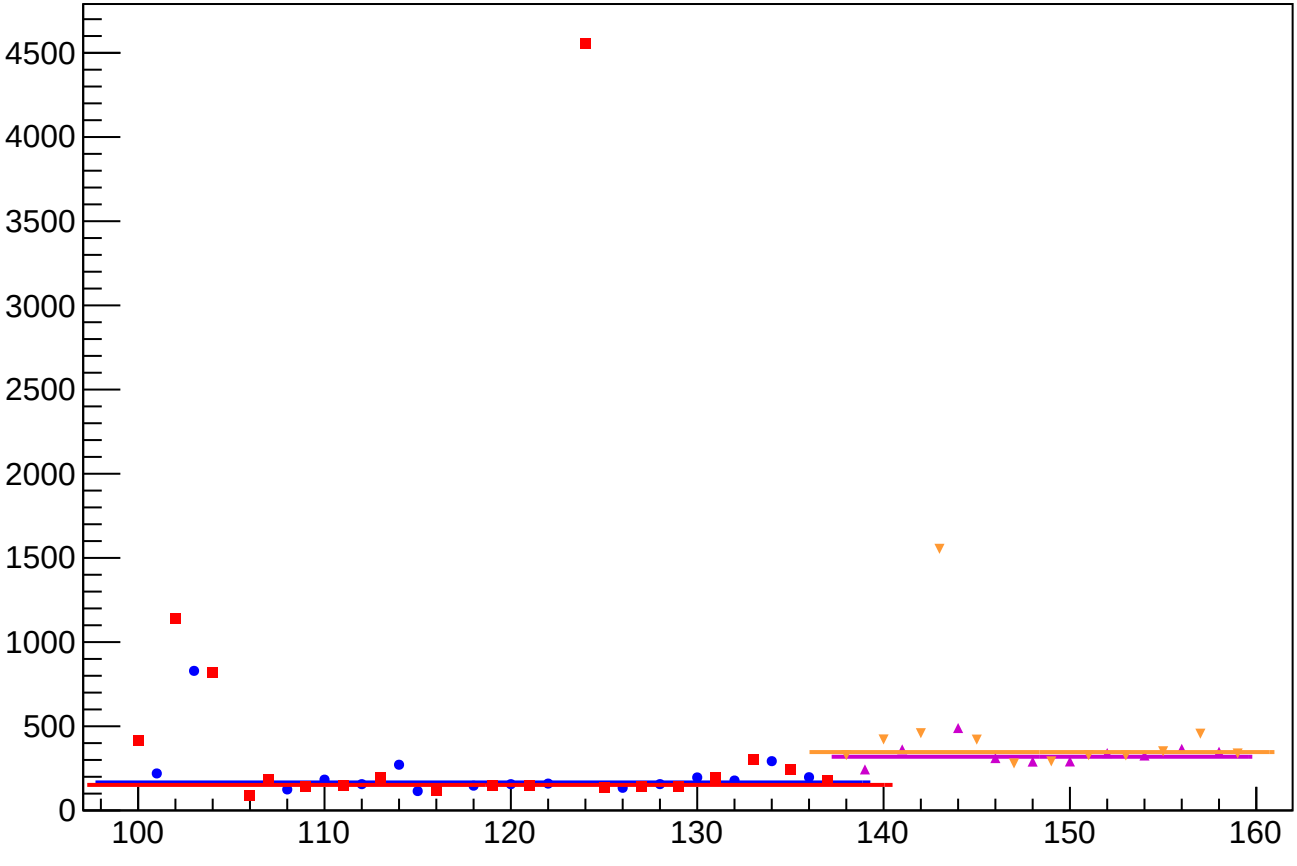
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.012+/-0.040 χ^2/NDF: 74.7/56

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: 346.781+/-0.084 χ^2/NDF:1398294.5/11

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

Left: 332.023+/-0.057 χ^2/NDF: 1928511.6/21

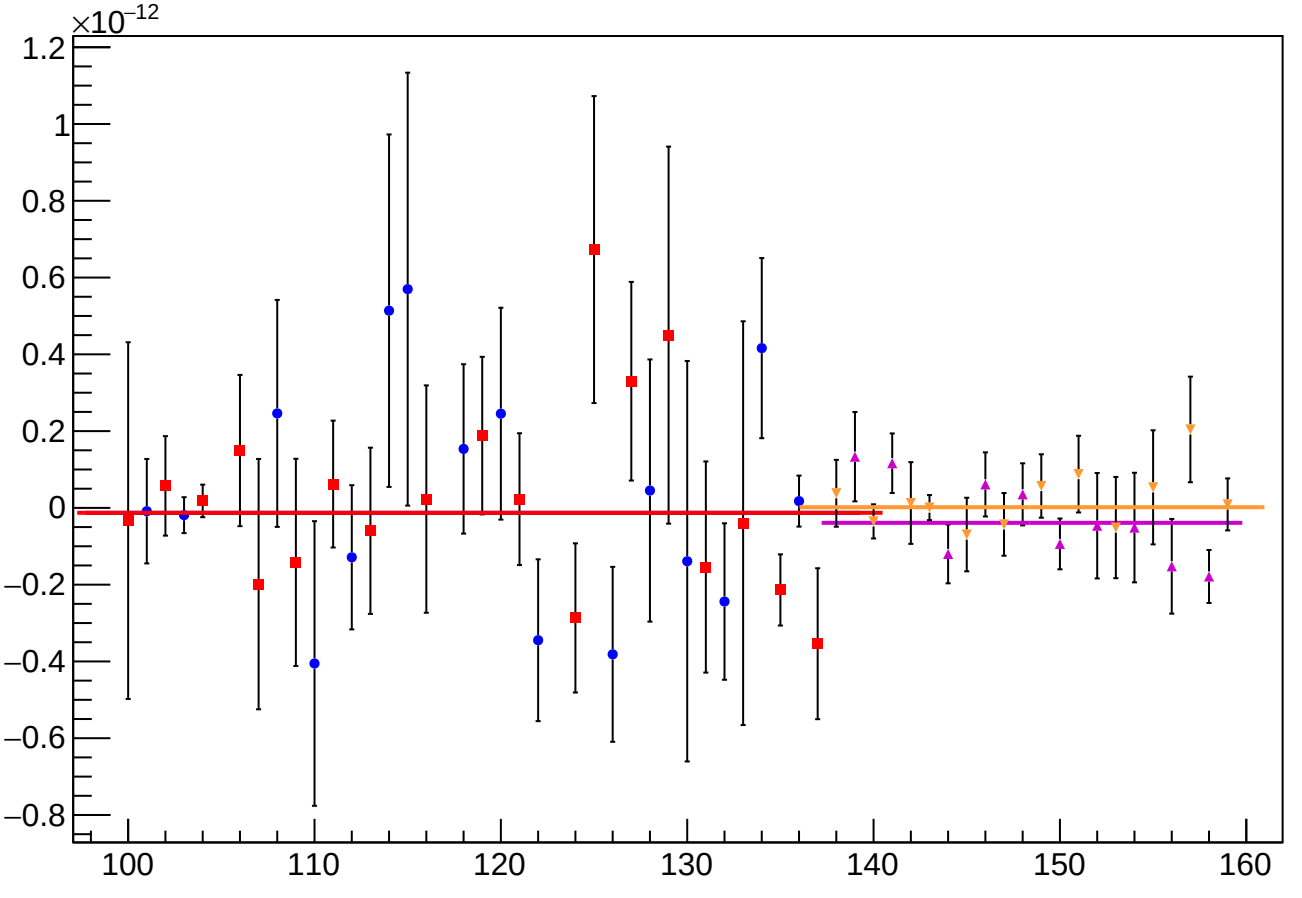
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 206.949+/-0.040 χ^2/NDF:4537476.4/25

Out: 196.072+/-0.040 χ^2/NDF:7927193.8/30

All: 201.426+/-0.028 χ^2/NDF: 12501432.9/56

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:5.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/9

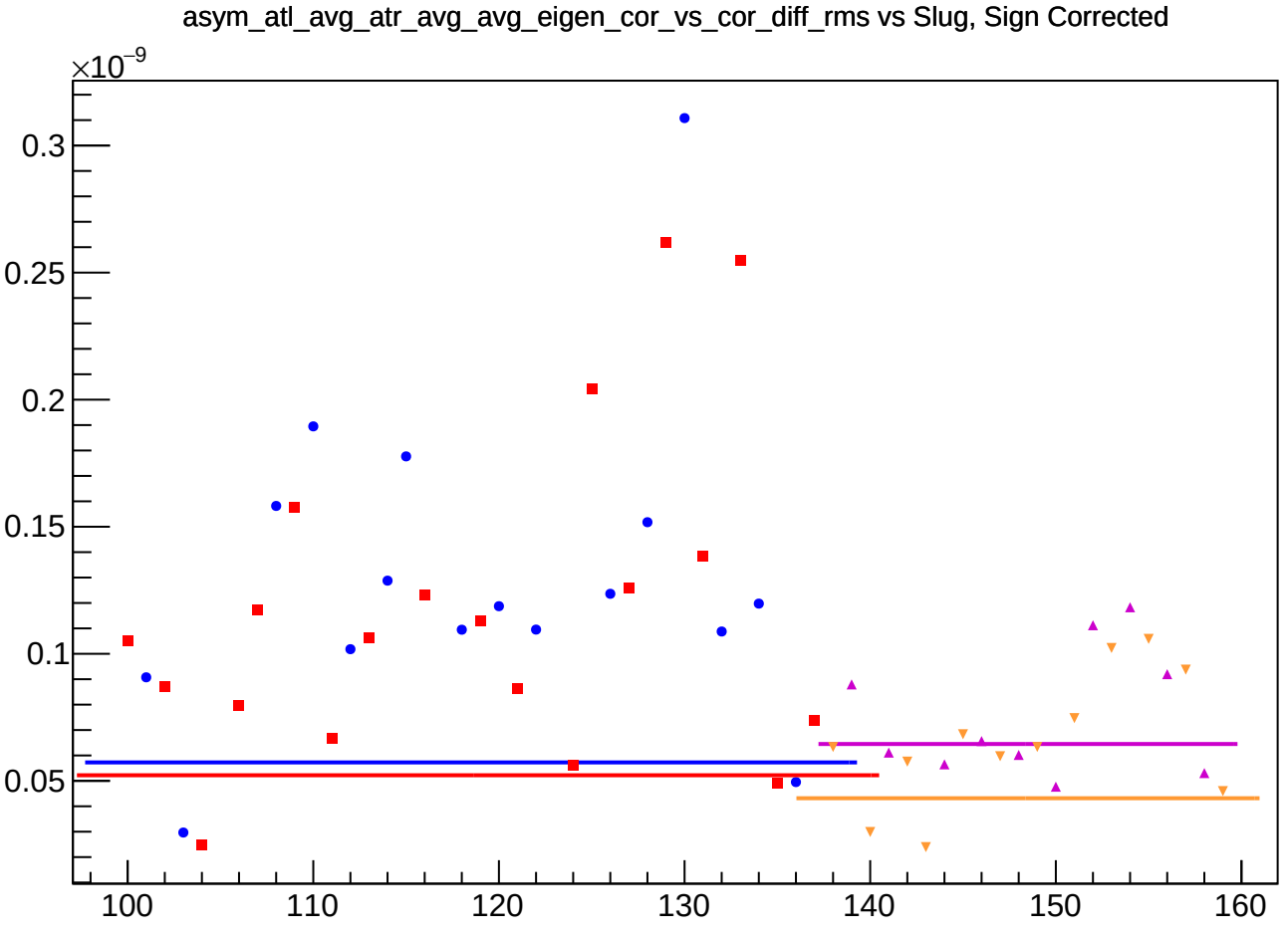
Left: -0.000+/-0.000 χ^2/NDF: 22.1/21

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:31.8/25

Out: -0.000+/-0.000 χ^2/NDF:24.4/30

All: -0.000+/-0.000 χ^2/NDF: 57.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2587201.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:911917.0/9

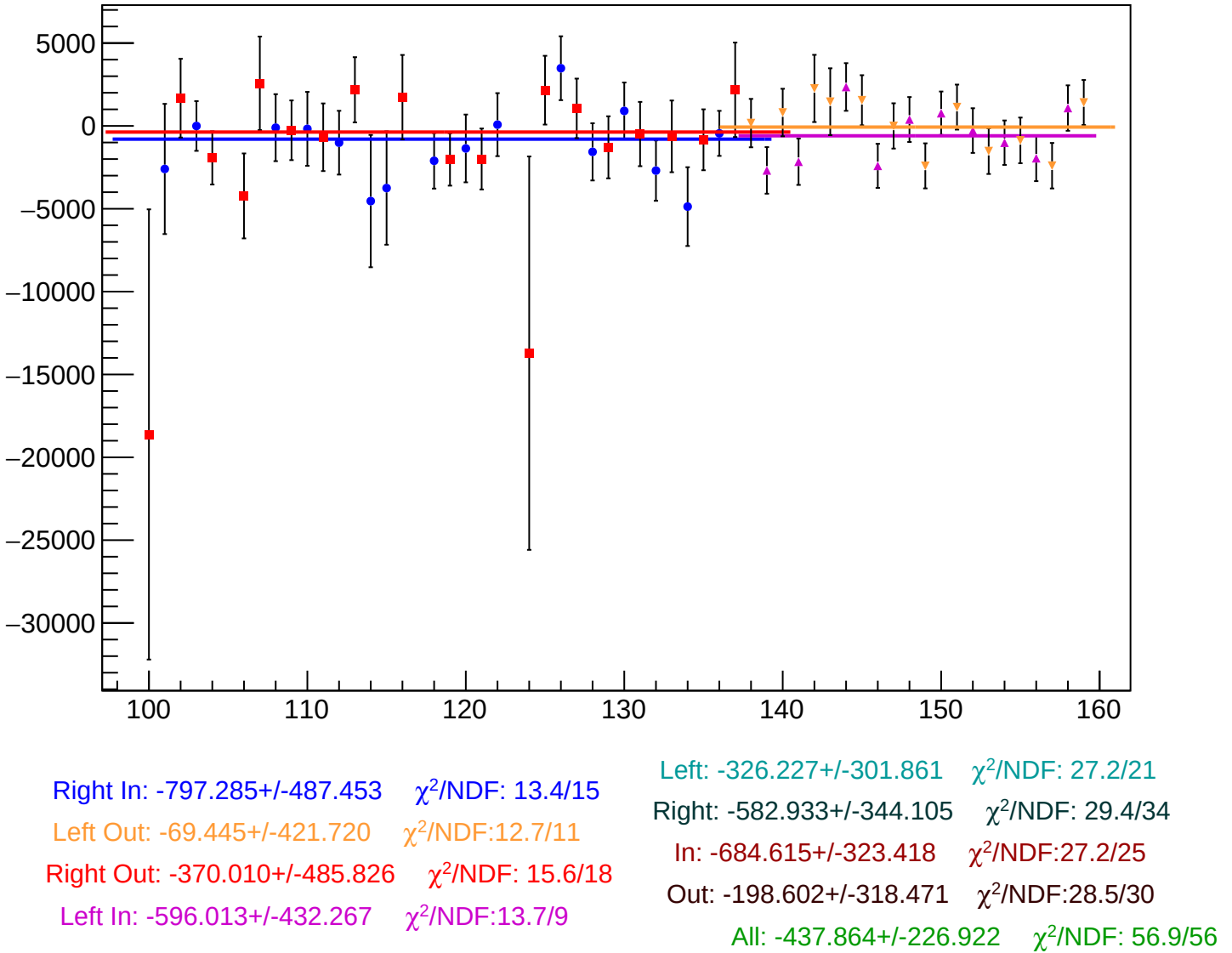
Left: 0.000+/-0.000 χ^2/NDF: 4287771.4/21

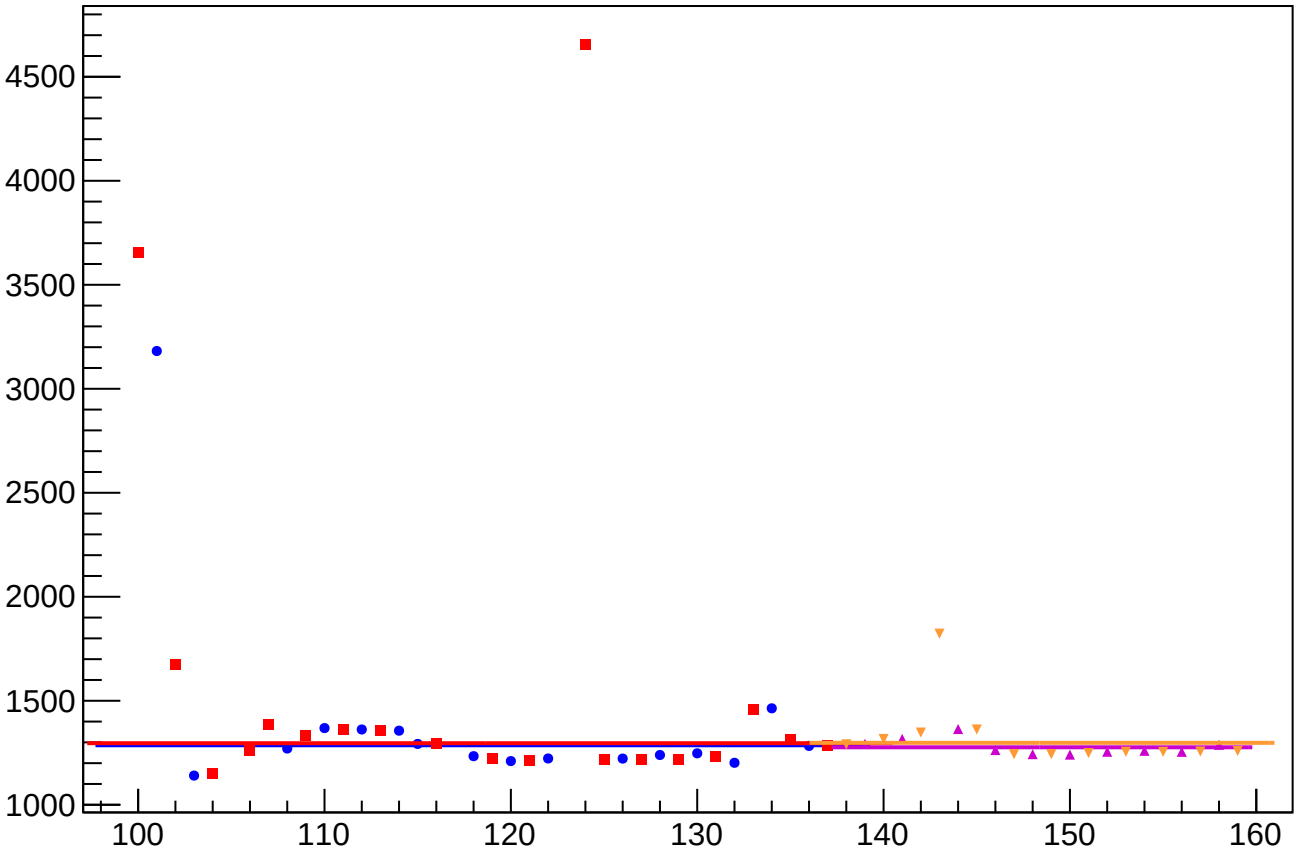
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3951929.0/25

Out: 0.000+/-0.000 χ^2/NDF:5993017.5/30

All: 0.000+/-0.000 χ^2/NDF: 10628405.8/56


reg_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
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -69.445+/-421.720 χ²/NDF:12.7/11
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -596.013+/-432.267 χ²/NDF:13.7/9
Left: -326.227+/-301.861 χ²/NDF: 27.2/21
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -684.615+/-323.418 χ²/NDF:27.2/25
Out: -198.602+/-318.471 χ²/NDF:28.5/30
All: -437.864+/-226.922 χ²/NDF: 56.9/56



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1297.817+/-0.298 χ^2/NDF:156955.5/11

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1287.324+/-0.213 χ^2/NDF: 173192.0/21

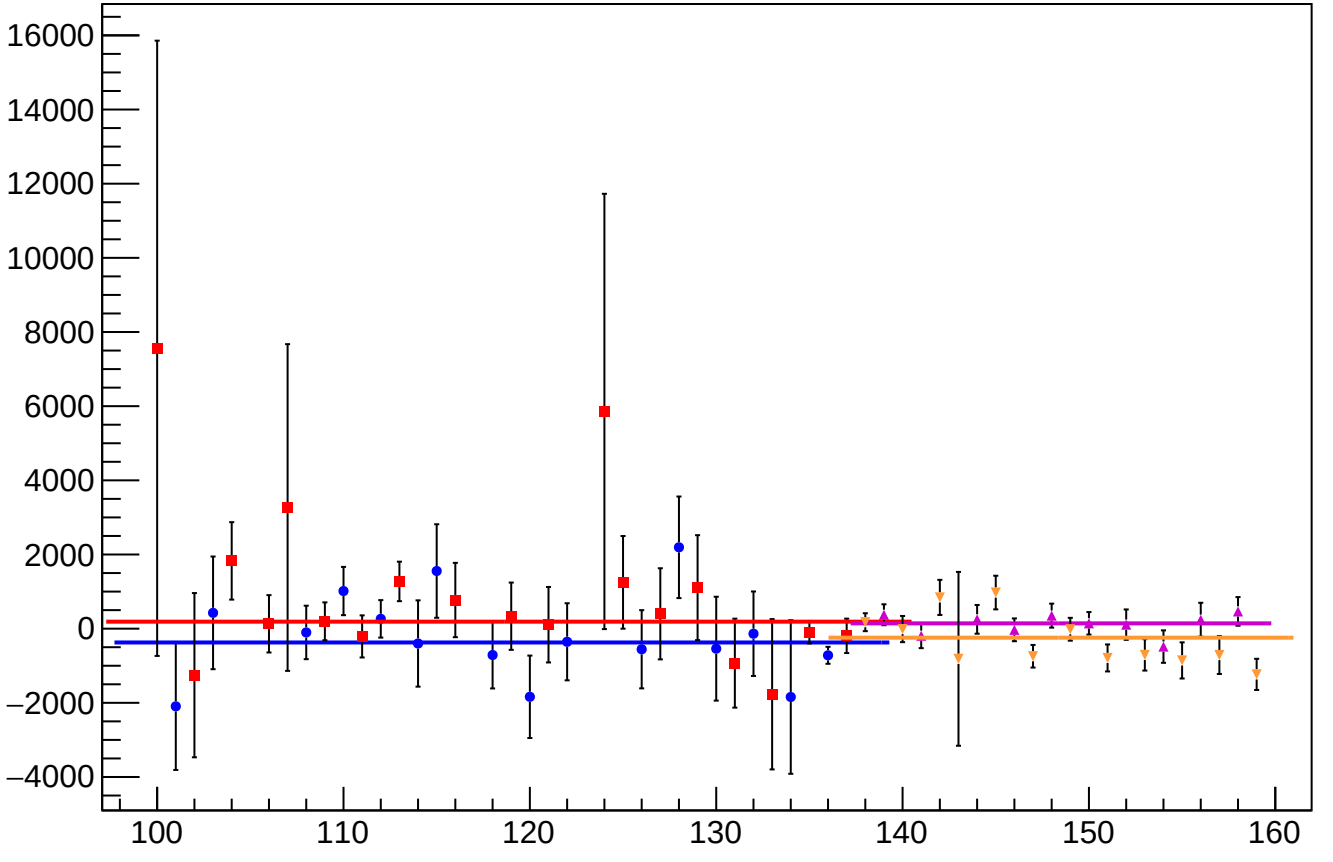
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1280.612+/-0.229 χ^2/NDF:532276.5/25

Out: 1297.012+/-0.225 χ^2/NDF:485042.4/30

All: 1288.938+/-0.160 χ^2/NDF: 1019929.7/56

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: -242.958+/-109.892 χ^2/NDF:30.6/11

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 143.110+/-110.579 χ^2/NDF:5.3/9

Left: -51.127+/-77.947 χ^2/NDF: 42.0/21

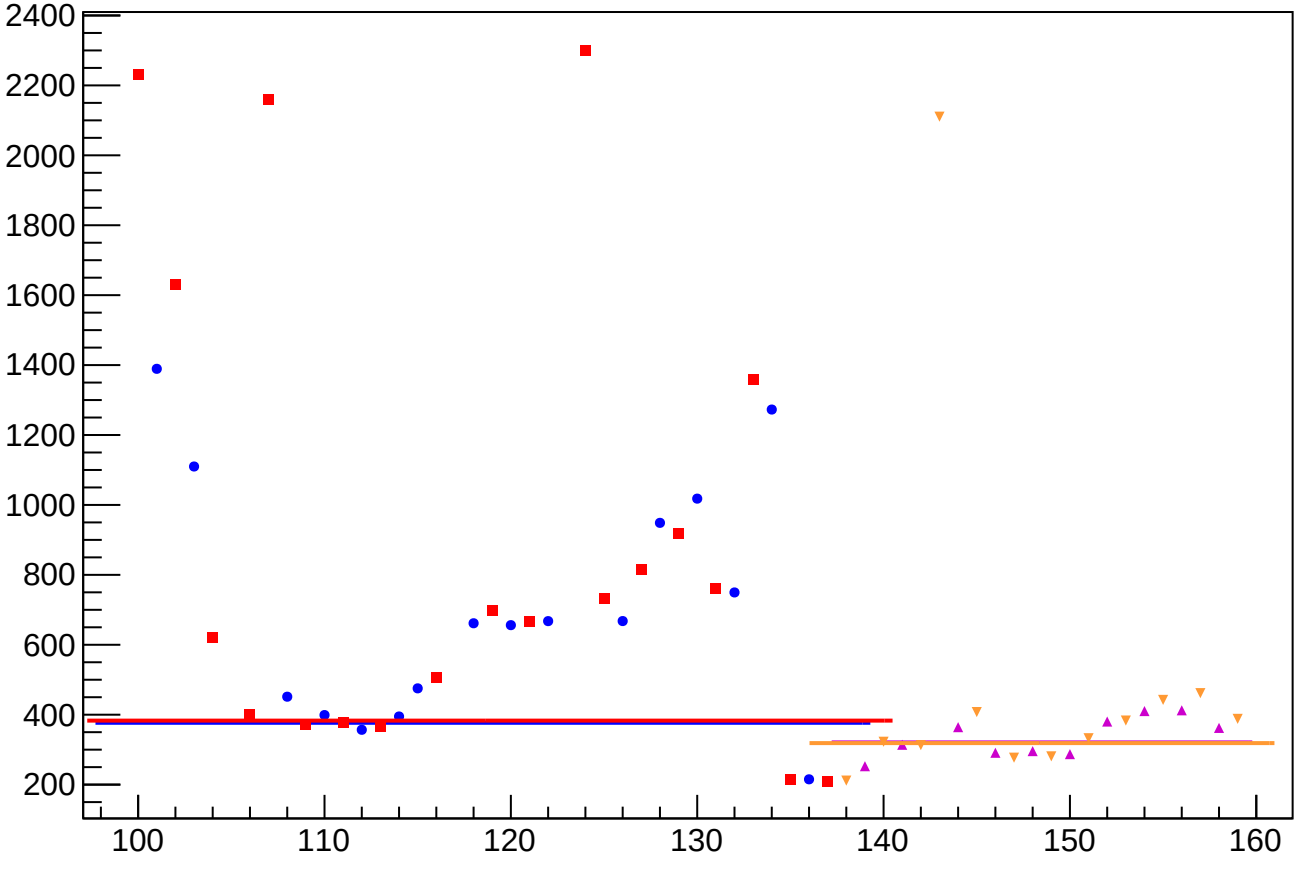
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -12.432+/-92.400 χ^2/NDF:30.0/25

Out: -115.221+/-92.221 χ^2/NDF:49.8/30

All: -63.926+/-65.273 χ^2/NDF: 80.4/56

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: 318.755+/-0.078 χ^2/NDF:2096322.1/11

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

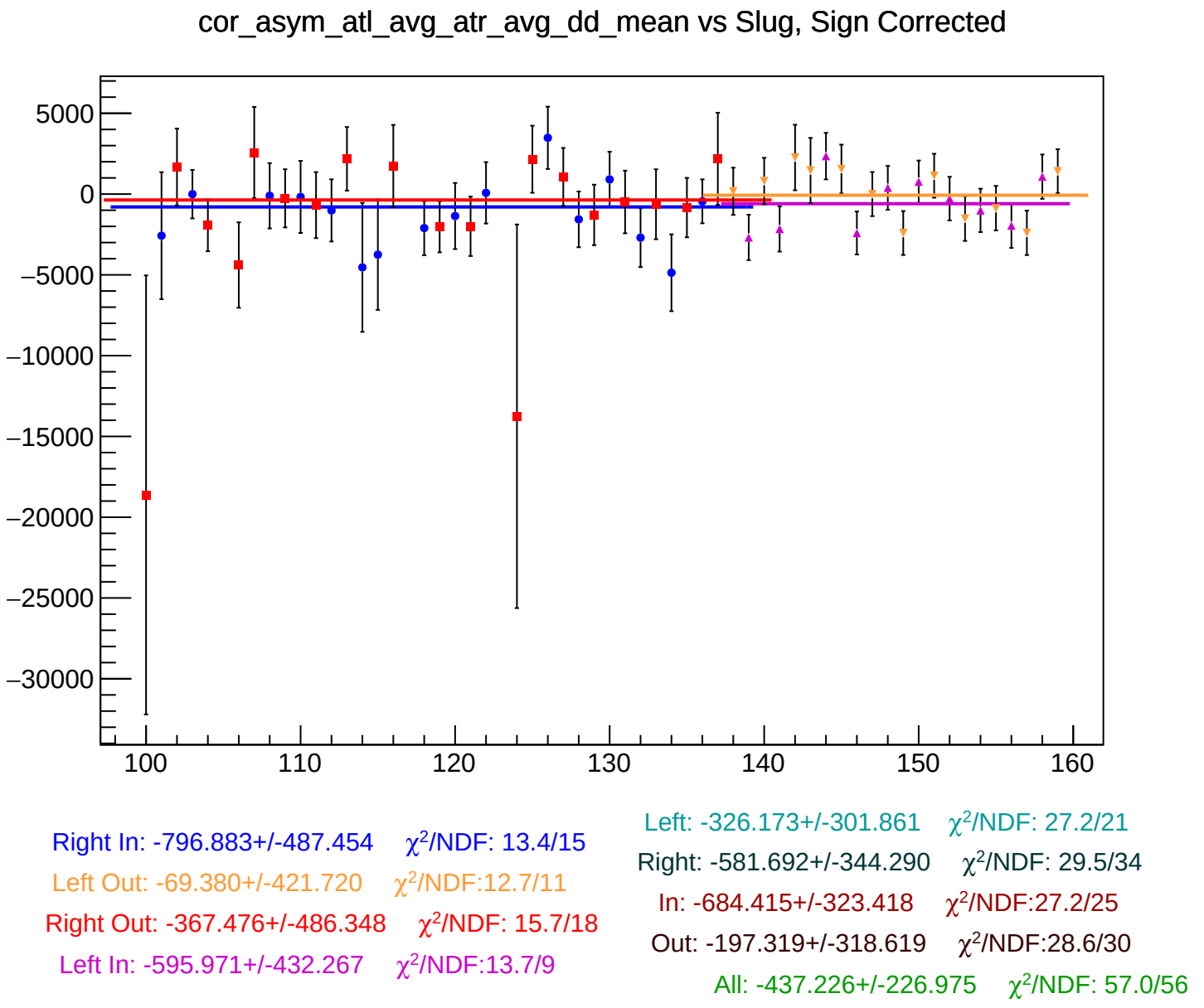
Left: 319.768+/-0.055 χ^2/NDF: 2524380.2/21

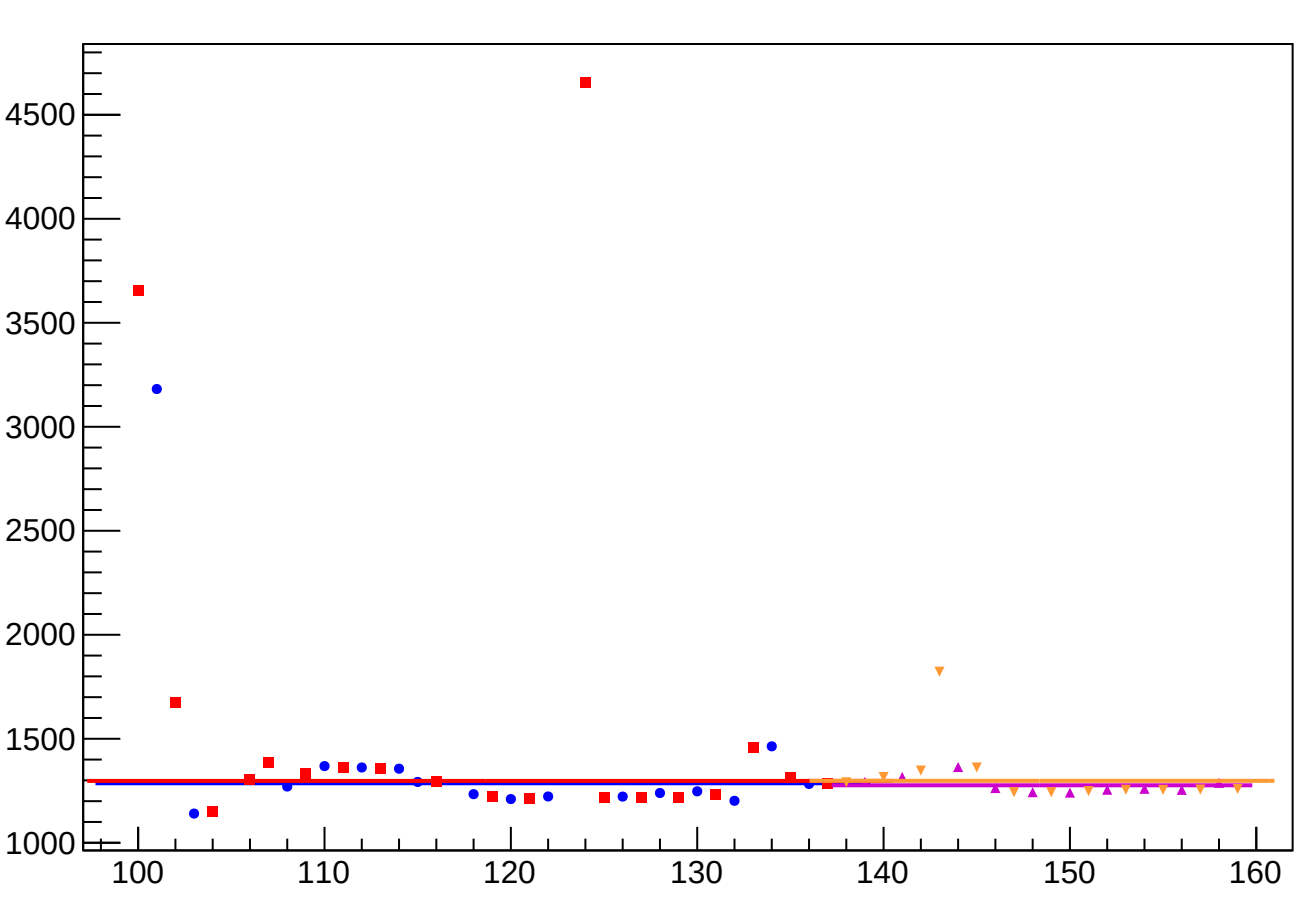
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 337.723+/-0.065 χ^2/NDF:4773244.9/25

Out: 337.777+/-0.065 χ^2/NDF:6353075.0/30

All: 337.750+/-0.046 χ^2/NDF: 11126320.3/56


cor_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
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -326.173+/-301.861 χ²/NDF: 27.2/21
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -437.226+/-226.975 χ²/NDF: 57.0/56



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1297.817+/-0.298 χ^2/NDF:156955.5/11

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1287.324+/-0.213 χ^2/NDF: 173192.0/21

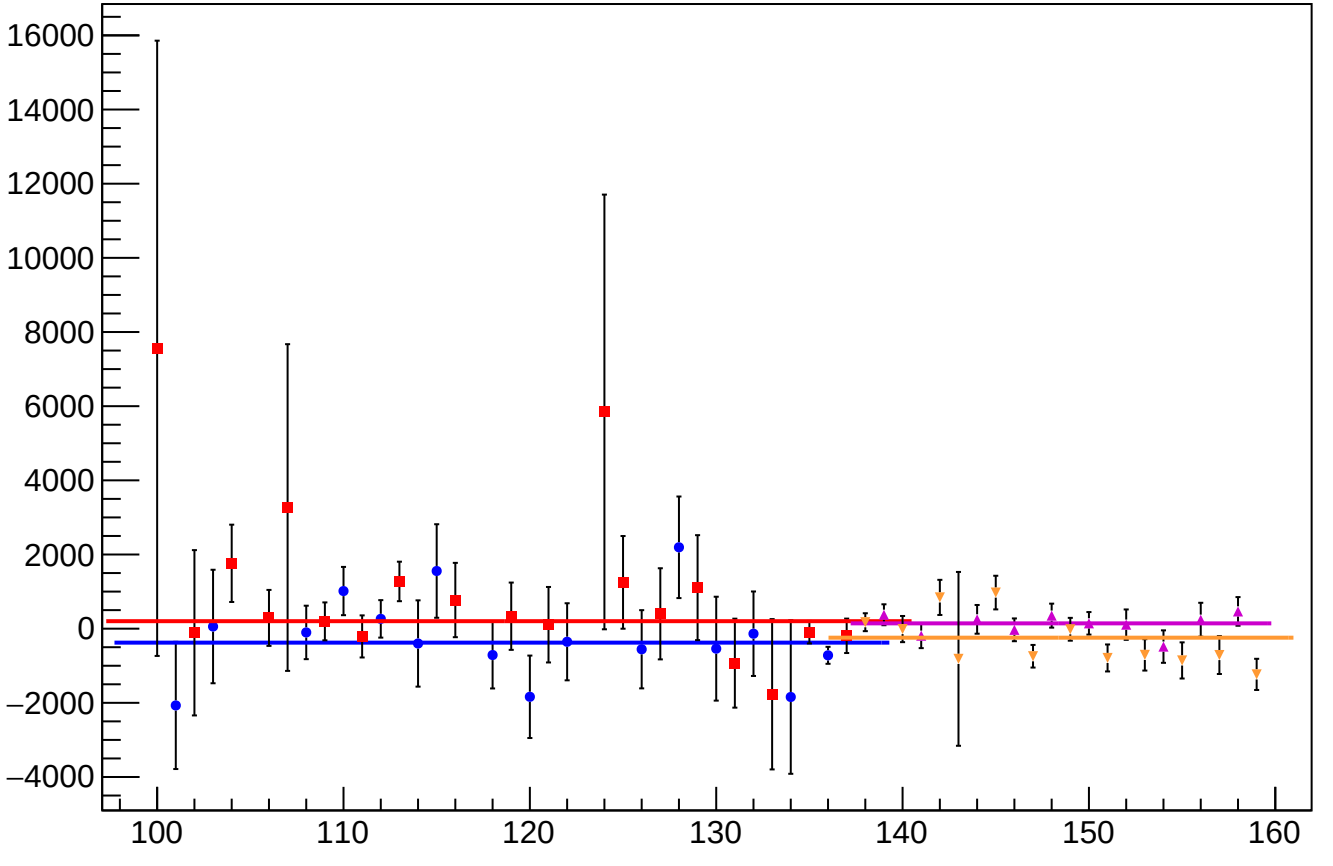
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

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: -242.973+/-109.895 χ^2/NDF:30.6/11

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

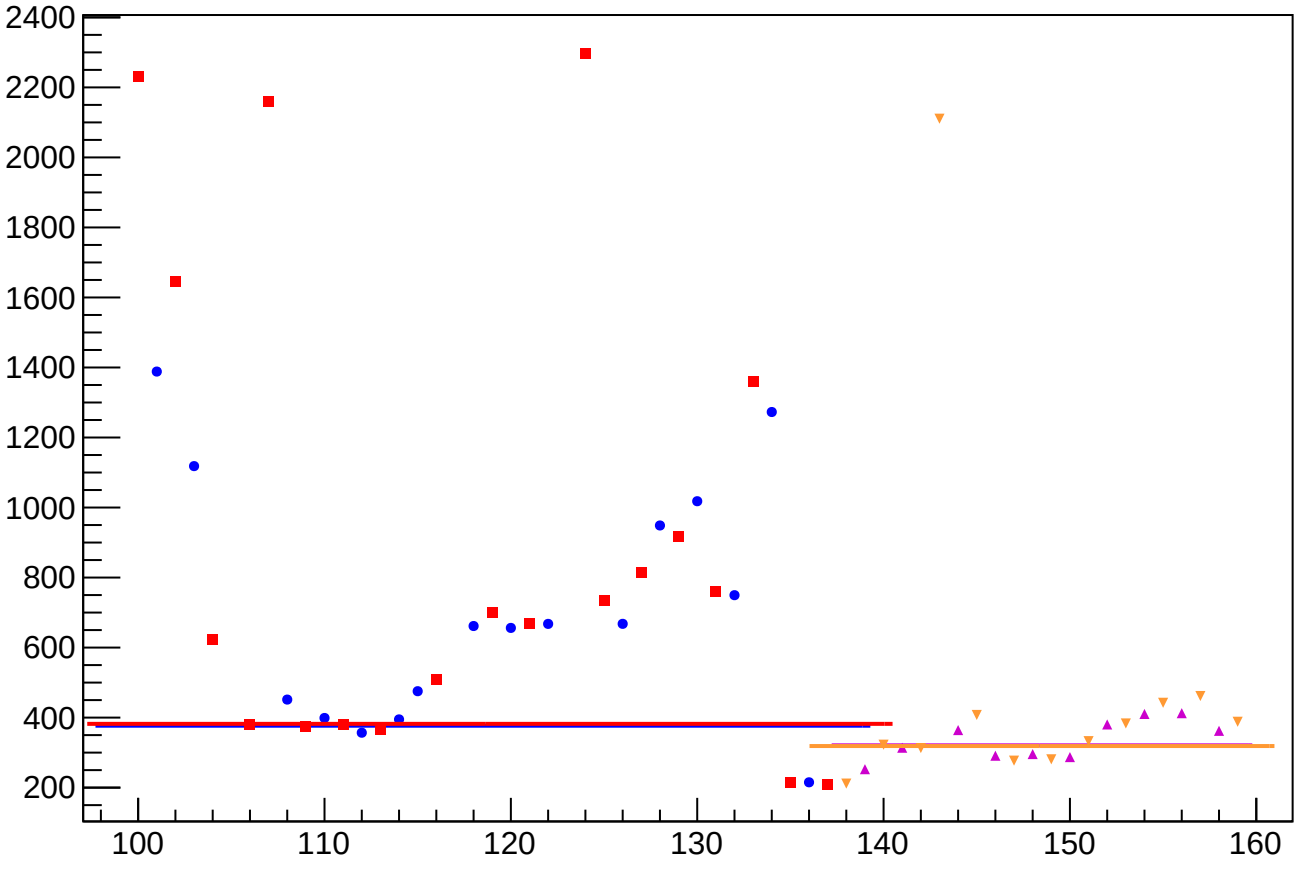
Left: -51.117+/-77.948 χ^2/NDF: 42.0/21

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -62.531+/-65.264 χ^2/NDF: 79.9/56



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

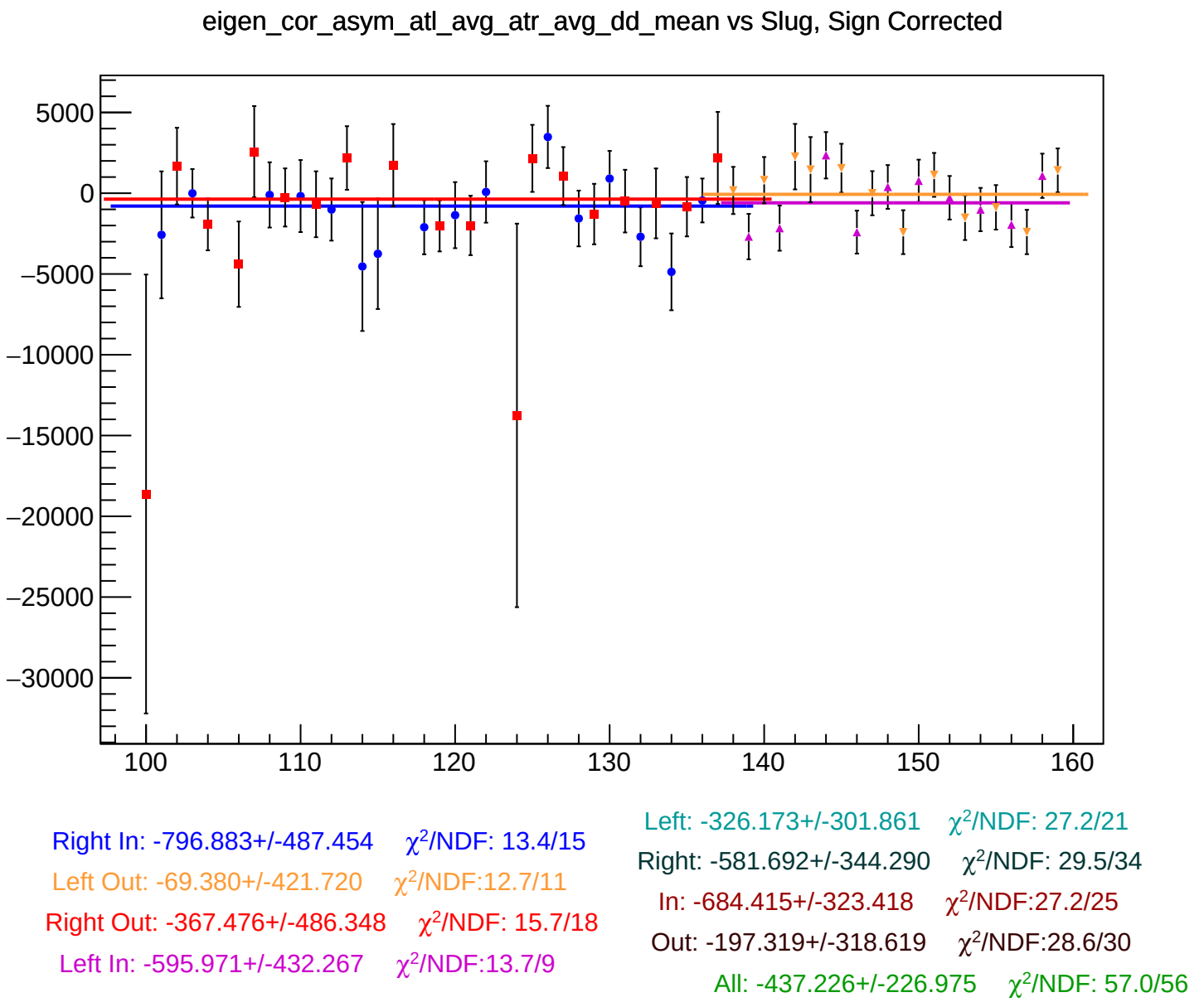
Left: 319.772+/-0.055 χ^2/NDF: 2524349.3/21

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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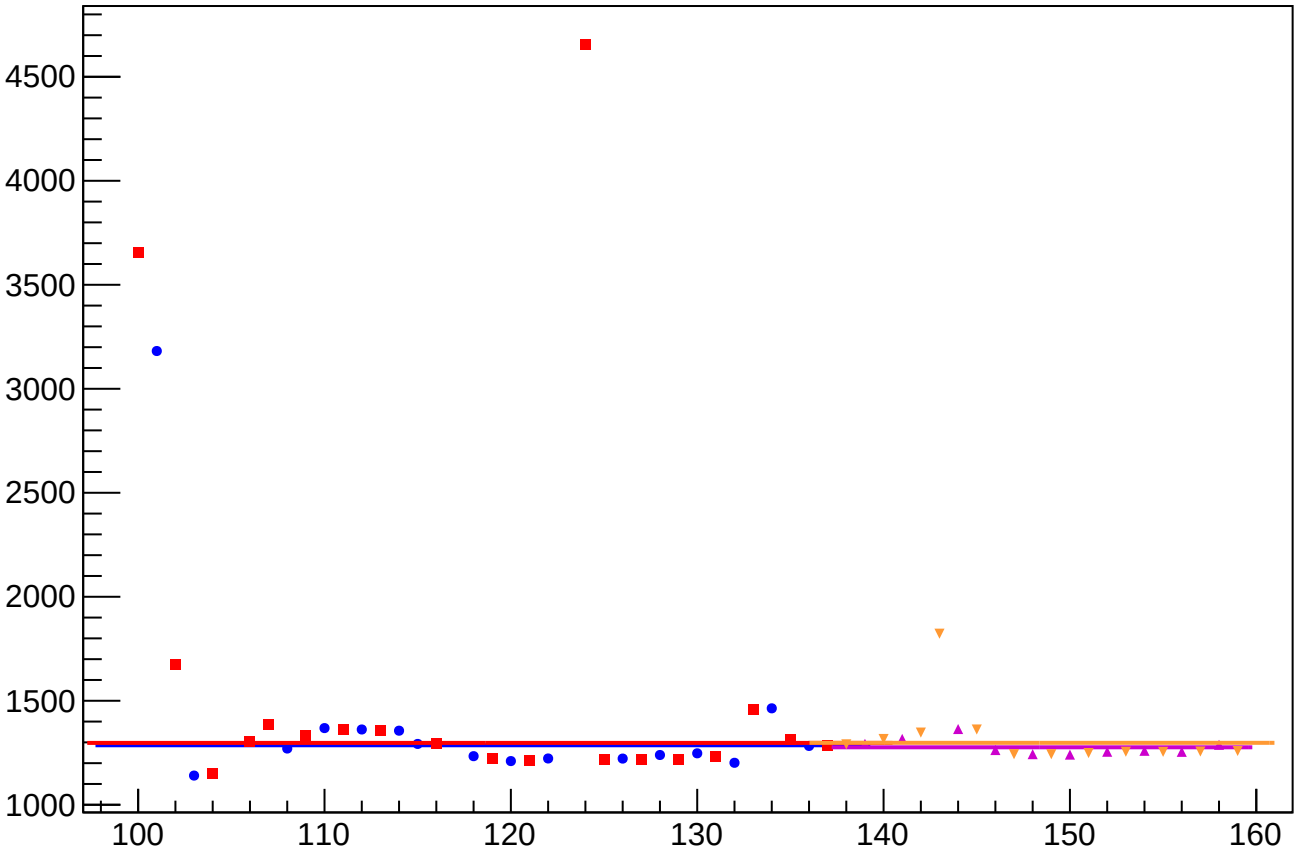
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -326.173+/-301.861 χ²/NDF: 27.2/21
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -437.226+/-226.975 χ²/NDF: 57.0/56



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1297.817+/-0.298 χ^2/NDF:156955.5/11

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1287.324+/-0.213 χ^2/NDF: 173192.0/21

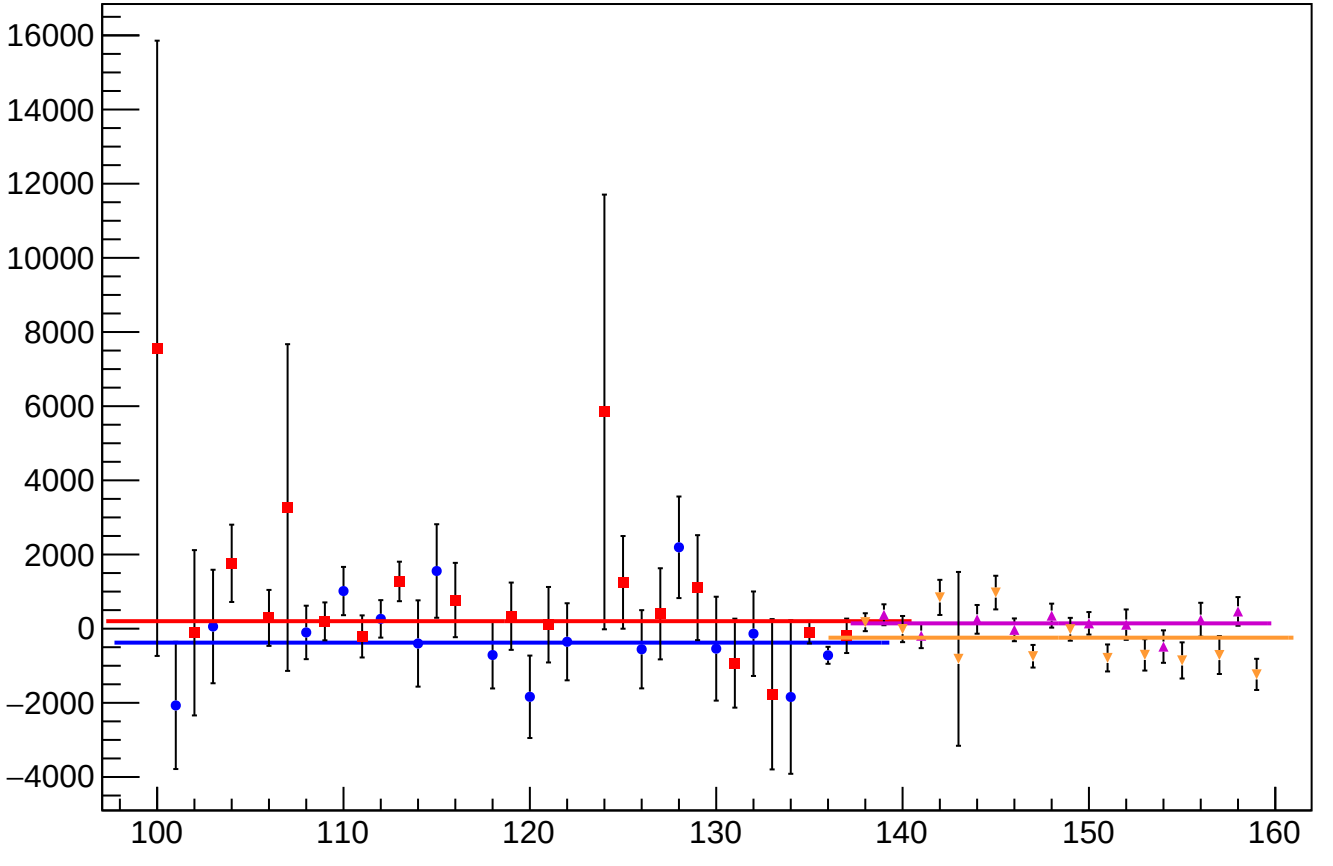
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

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: -242.973+/-109.895 χ^2/NDF:30.6/11

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

Left: -51.117+/-77.948 χ^2/NDF: 42.0/21

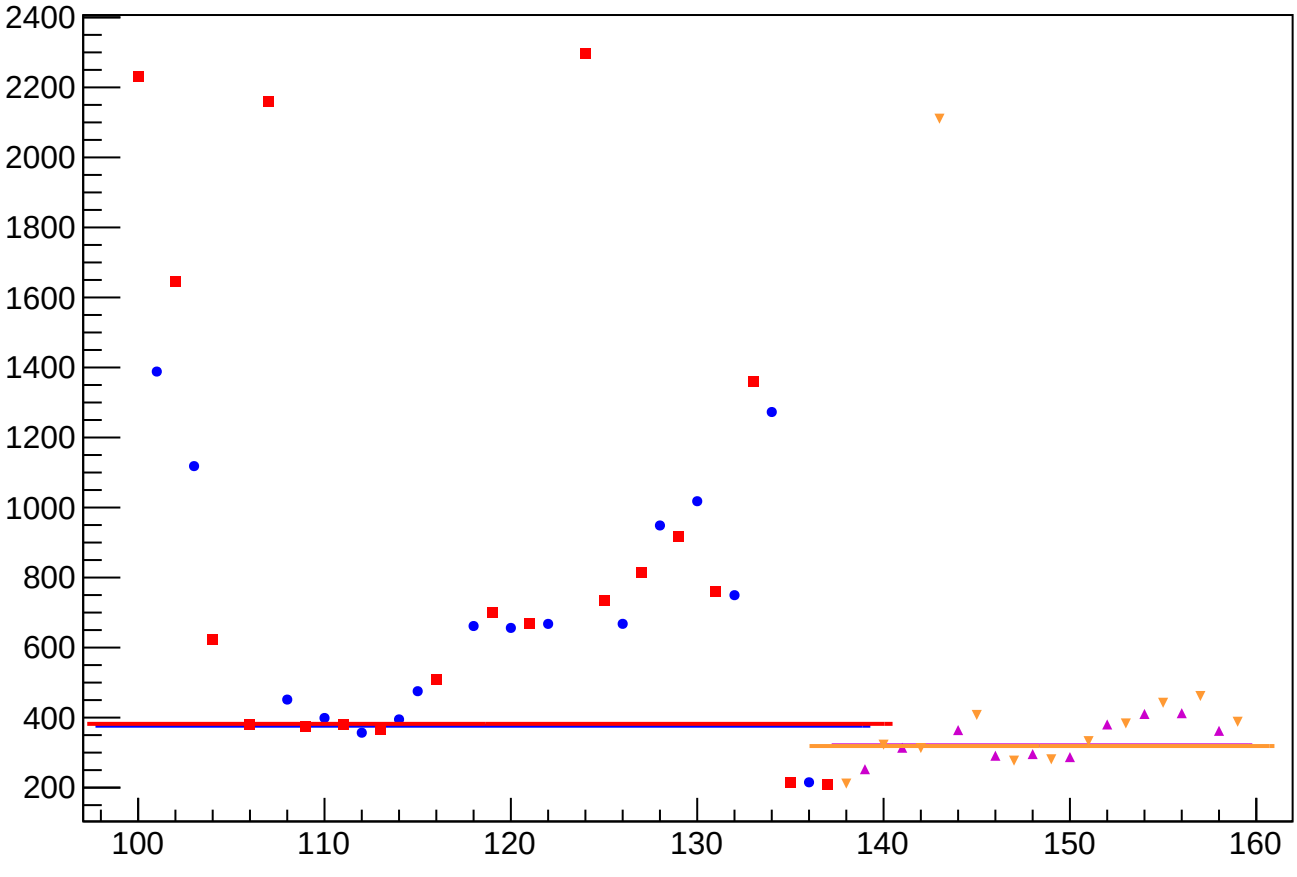
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -62.531+/-65.264 χ^2/NDF: 79.9/56

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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

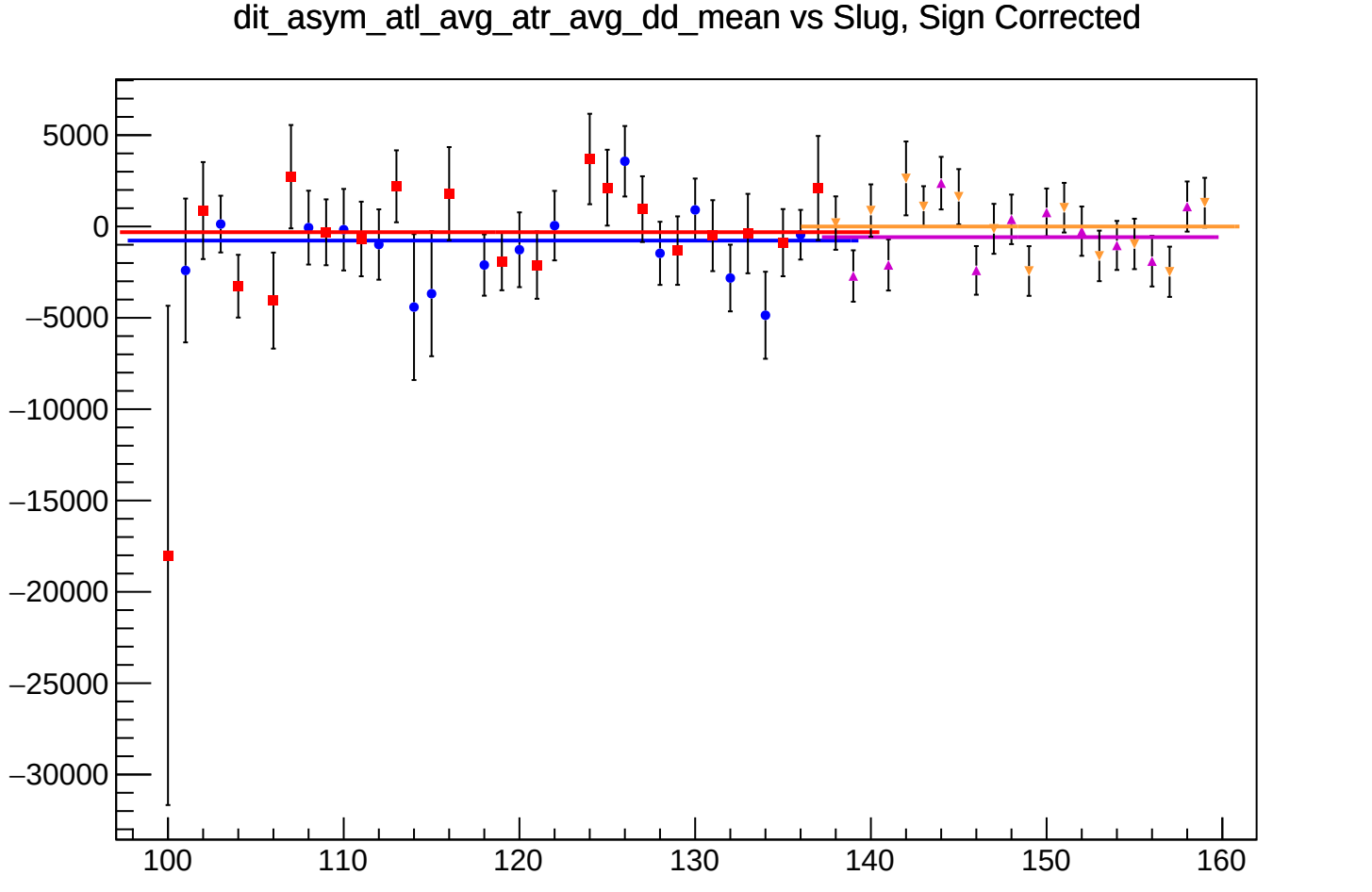
Left: 319.772+/-0.055 χ^2/NDF: 2524349.3/21

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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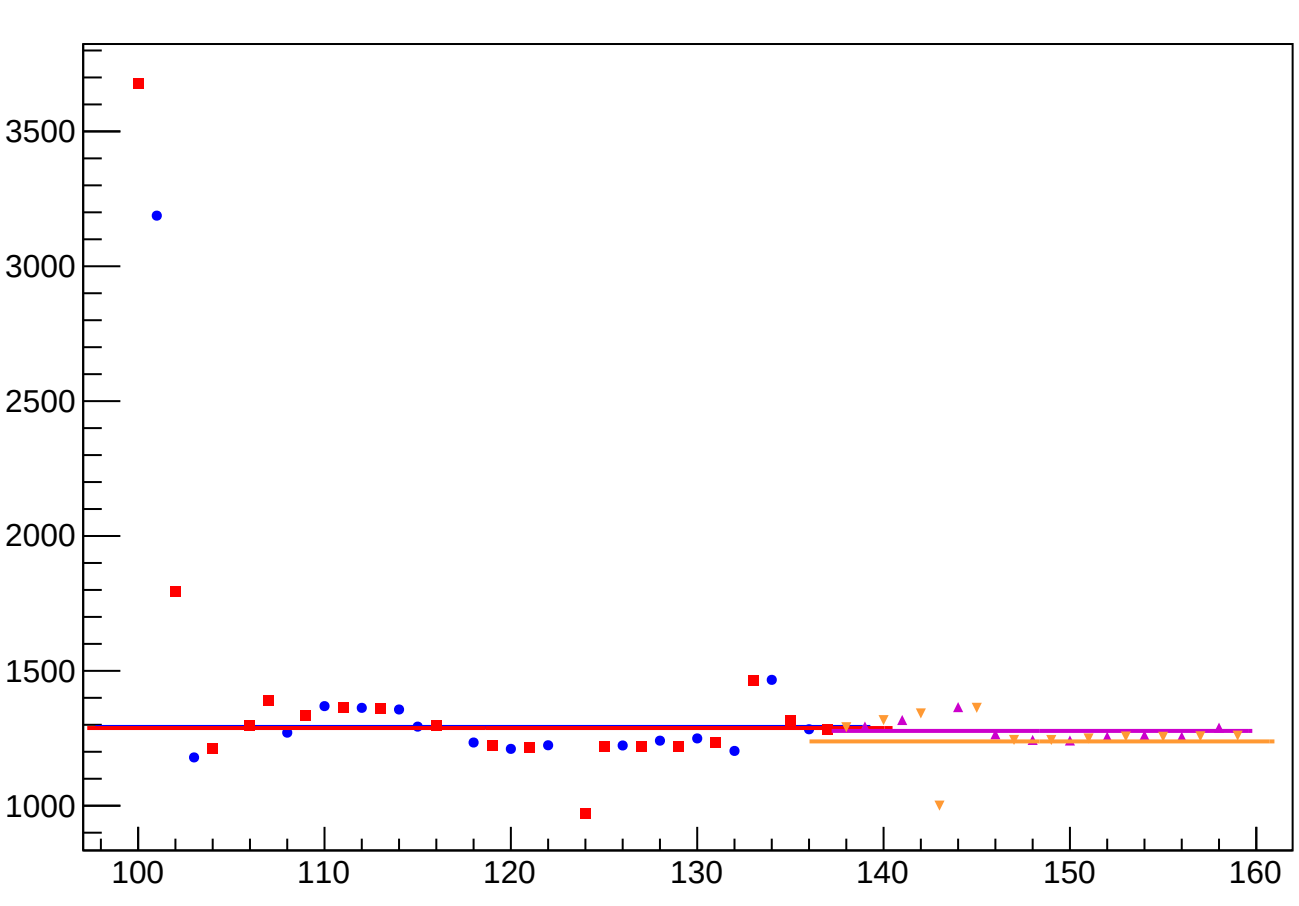
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -2.439+/-402.054 χ²/NDF:14.0/11
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -583.693+/-432.619 χ²/NDF:13.7/9
Left: -271.809+/-294.508 χ²/NDF: 28.7/21
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -666.036+/-324.192 χ²/NDF:27.4/25
Out: -129.015+/-308.913 χ²/NDF:32.2/30
All: -384.573+/-223.641 χ²/NDF: 61.0/56



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1238.413+/-0.284 χ^2/NDF:121647.9/11

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.450+/-0.208 χ^2/NDF: 144097.4/21

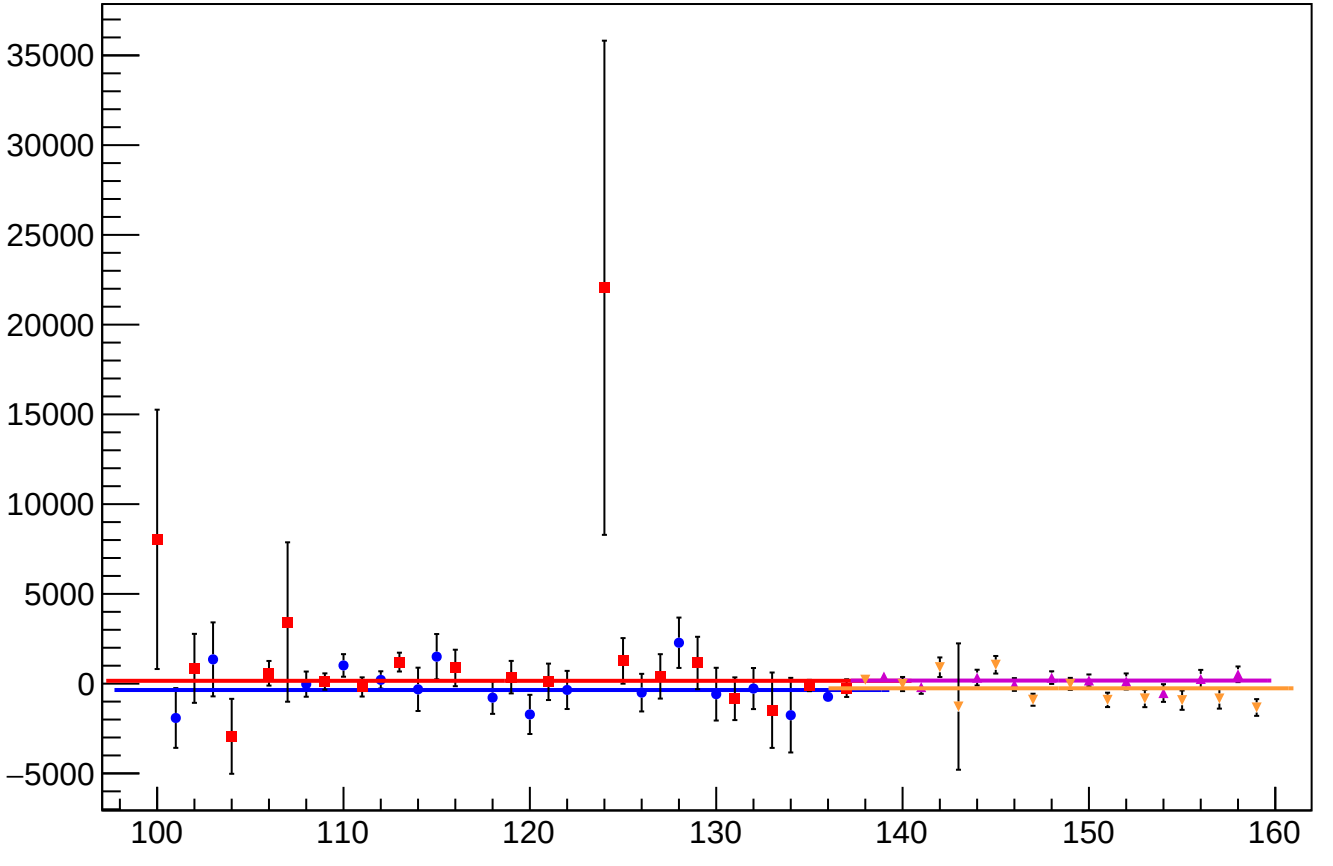
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.722+/-0.218 χ^2/NDF:343313.7/30

All: 1270.647+/-0.158 χ^2/NDF: 873759.5/56

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -259.770+/-119.111 χ^2/NDF:32.0/11

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 171.795+/-120.669 χ^2/NDF:5.0/9

Left: -46.791+/-84.770 χ^2/NDF: 43.5/21

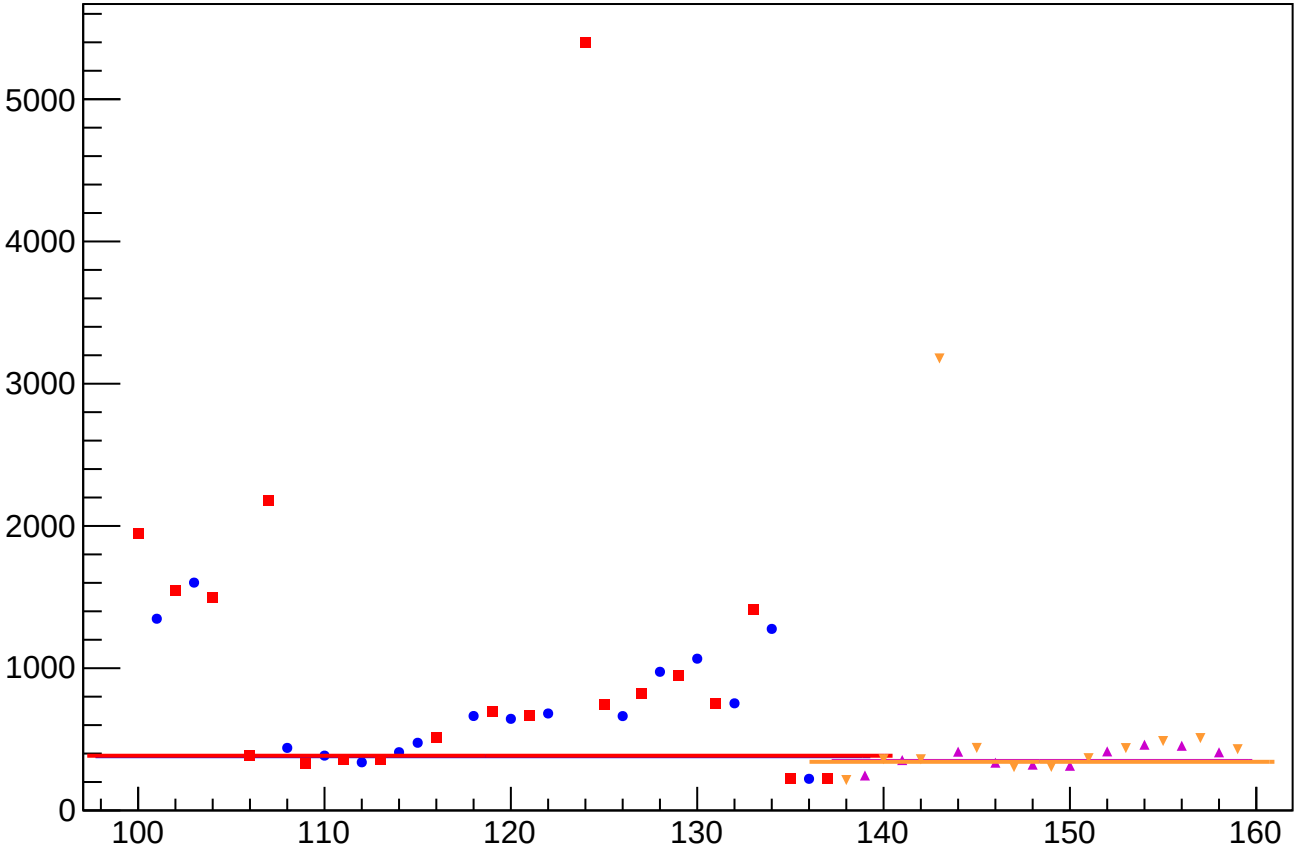
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -4.816+/-98.394 χ^2/NDF:29.8/25

Out: -121.871+/-97.486 χ^2/NDF:51.9/30

All: -63.886+/-69.252 χ^2/NDF: 82.5/56

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 342.022+/-0.084 χ^2/NDF:2469442.6/11

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

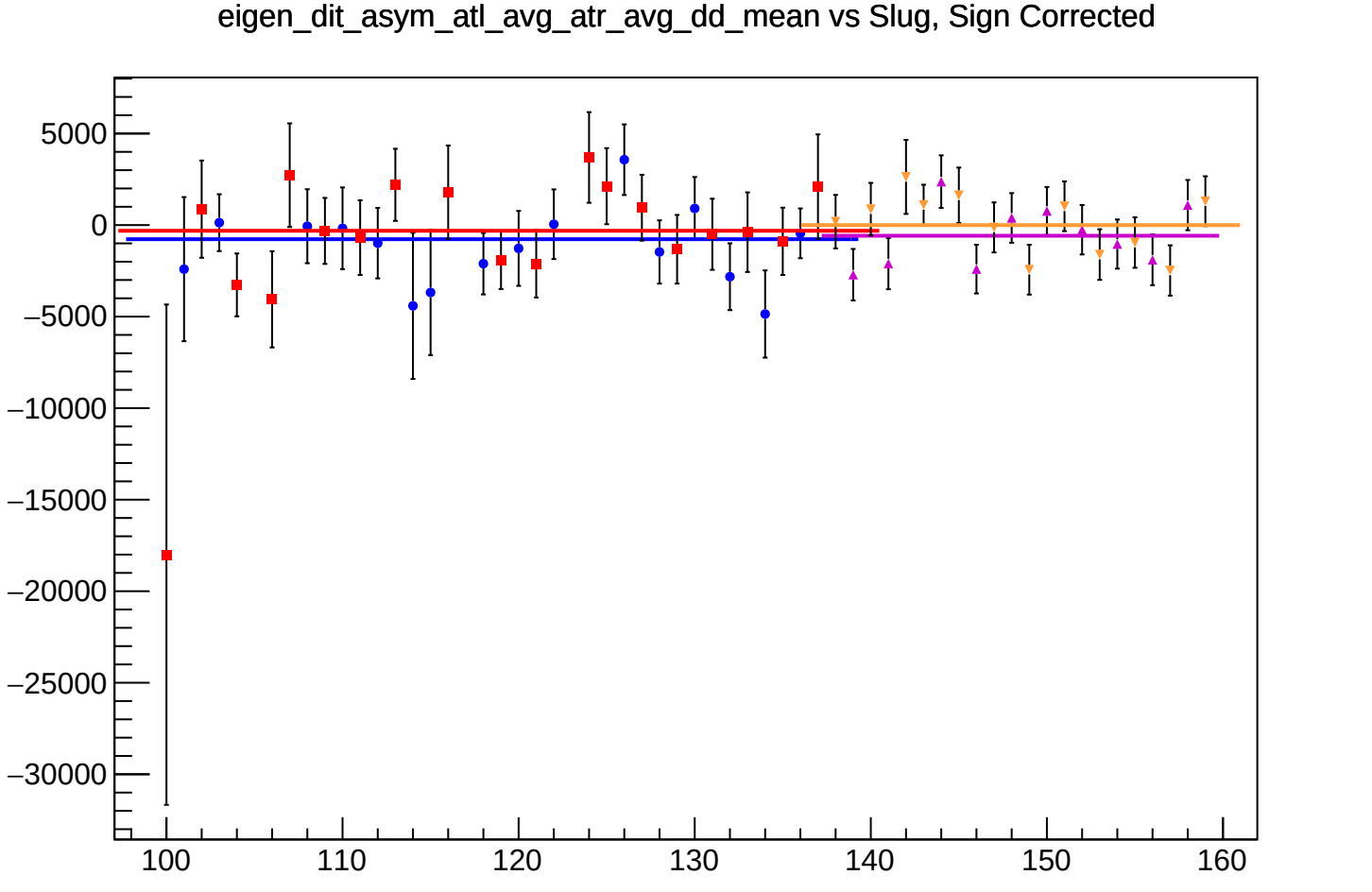
Left: 344.938+/-0.060 χ^2/NDF: 3104604.0/21

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 359.129+/-0.070 χ^2/NDF:5002061.6/25

Out: 356.096+/-0.069 χ^2/NDF:7114223.4/30

All: 357.598+/-0.049 χ^2/NDF: 12117244.4/56



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -583.690+/-432.619 χ^2/NDF:13.7/9

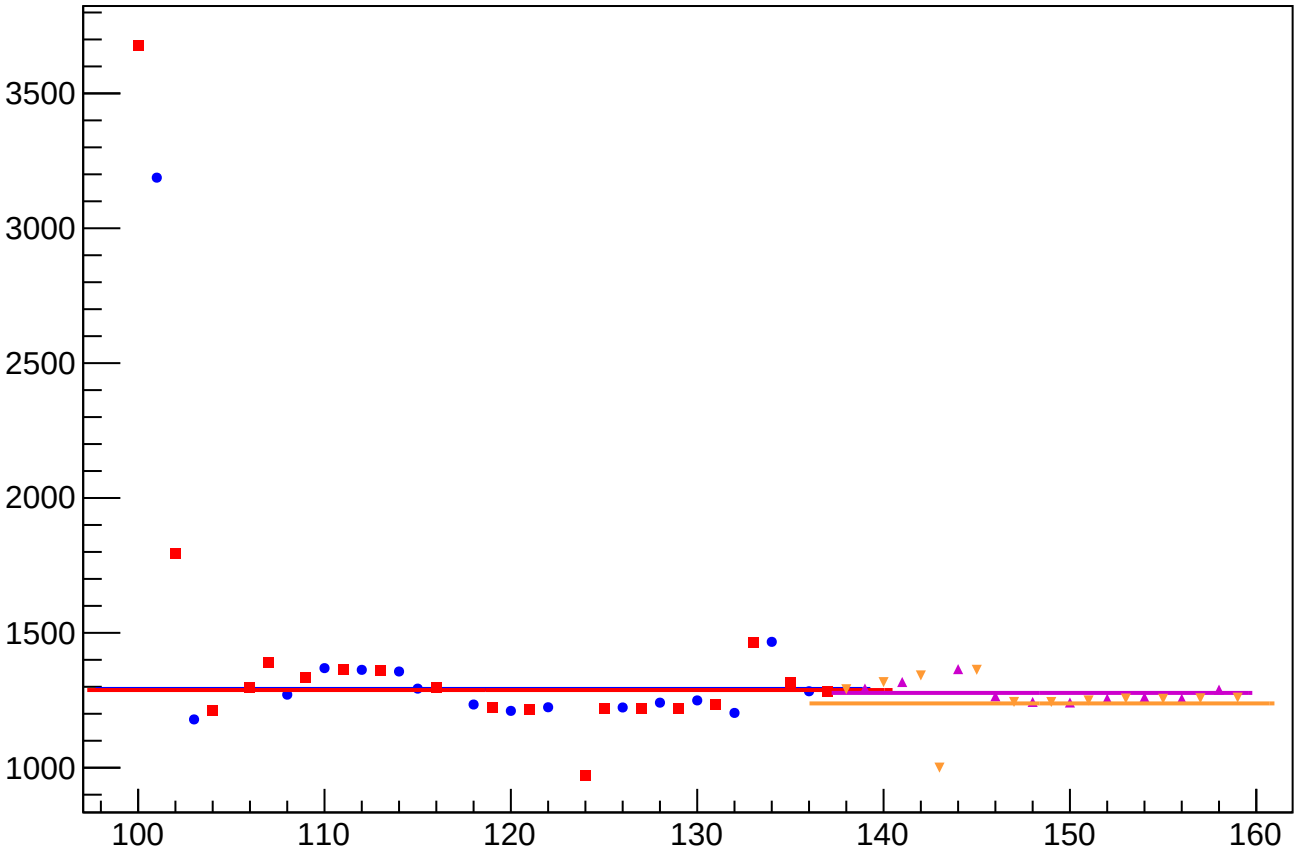
Left: -271.807+/-294.508 χ^2/NDF: 28.7/21

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -666.035+/-324.192 χ^2/NDF:27.4/25

Out: -129.015+/-308.913 χ^2/NDF:32.2/30

All: -384.573+/-223.641 χ^2/NDF: 61.0/56



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1238.413+/-0.284 χ^2/NDF:121647.1/11

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.450+/-0.208 χ^2/NDF: 144096.6/21

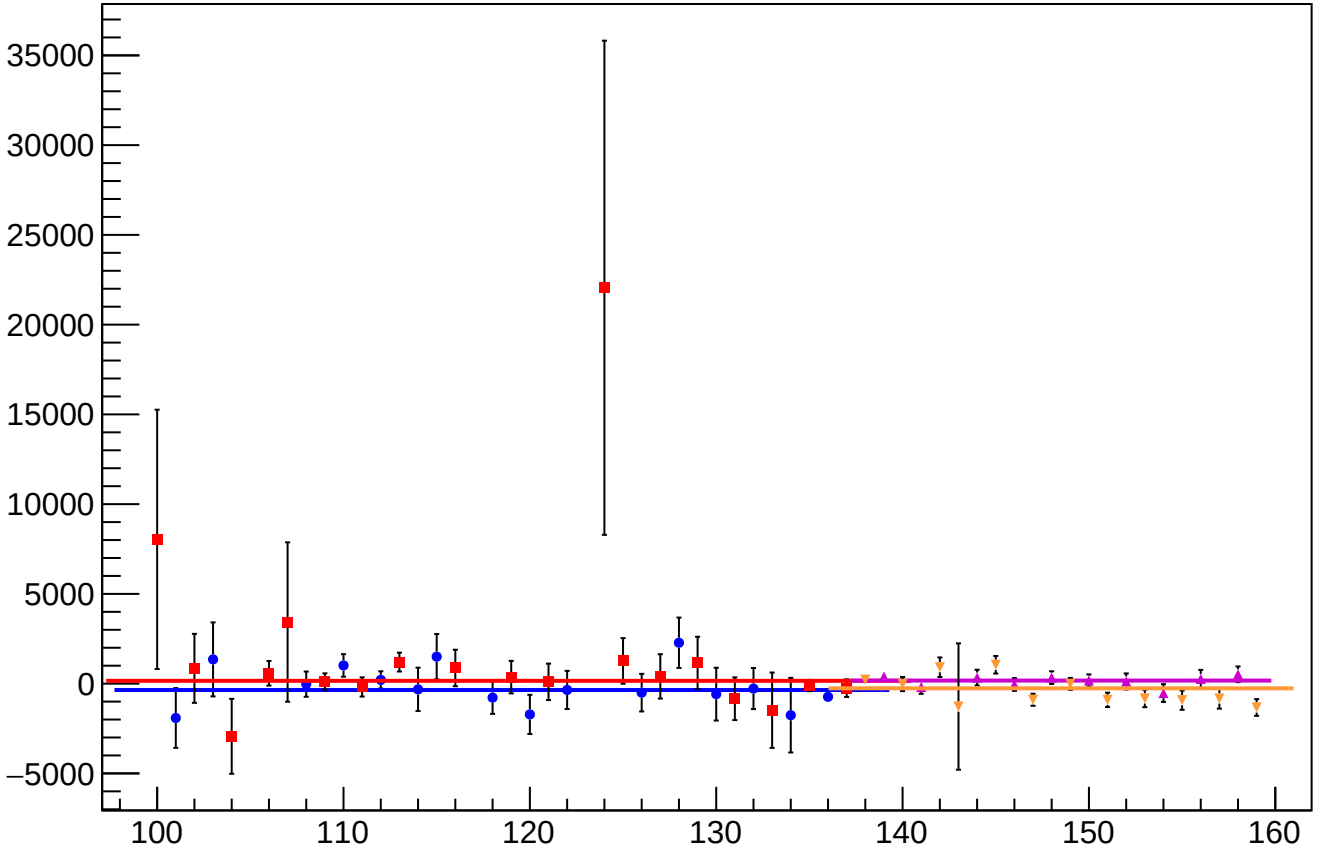
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.722+/-0.218 χ^2/NDF:343313.1/30

All: 1270.647+/-0.158 χ^2/NDF: 873758.8/56

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: -259.781+/-119.113 χ^2/NDF:32.0/11

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 171.796+/-120.670 χ^2/NDF:5.0/9

Left: -46.795+/-84.771 χ^2/NDF: 43.5/21

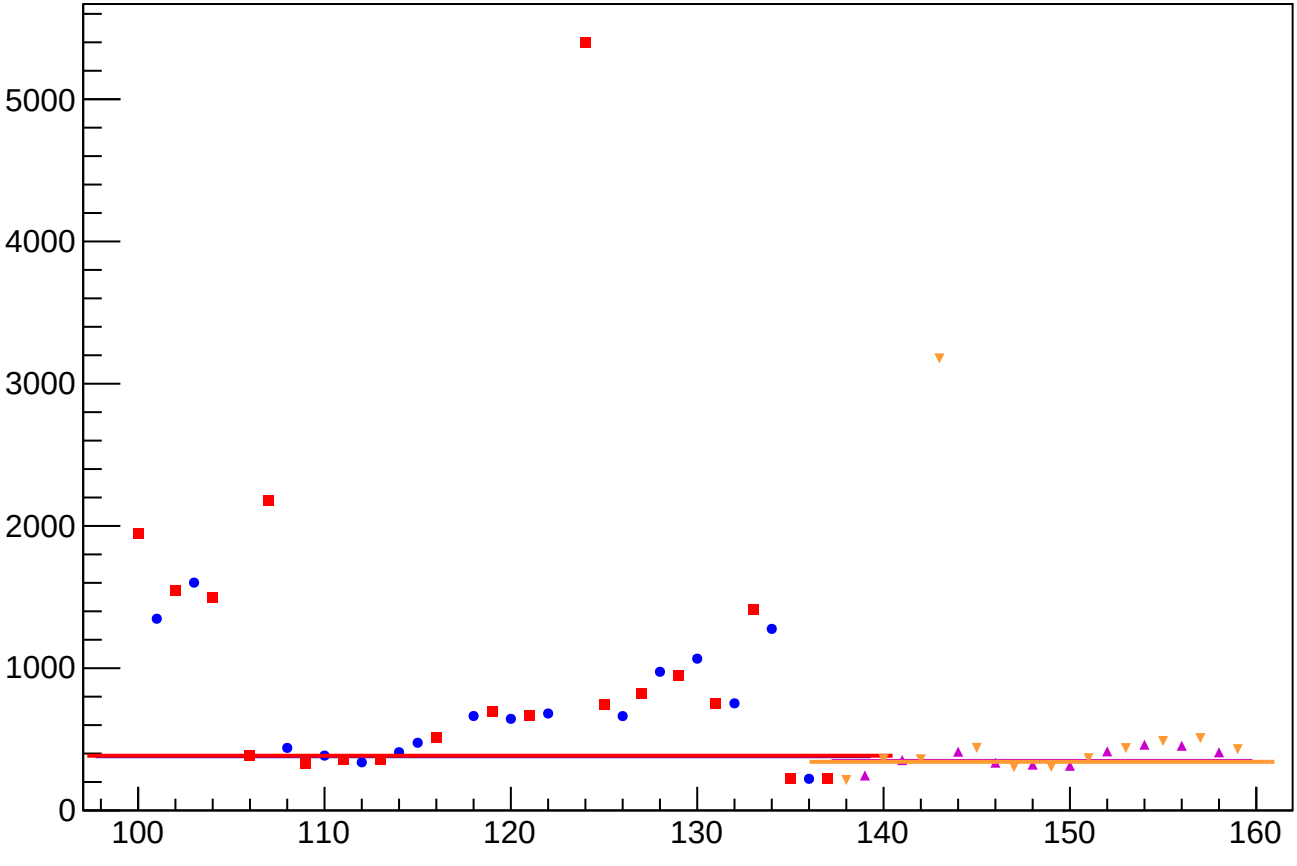
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -4.814+/-98.395 χ^2/NDF:29.8/25

Out: -121.876+/-97.488 χ^2/NDF:51.9/30

All: -63.888+/-69.253 χ^2/NDF: 82.5/56

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: 342.029+/-0.084 χ^2/NDF:2469281.6/11

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

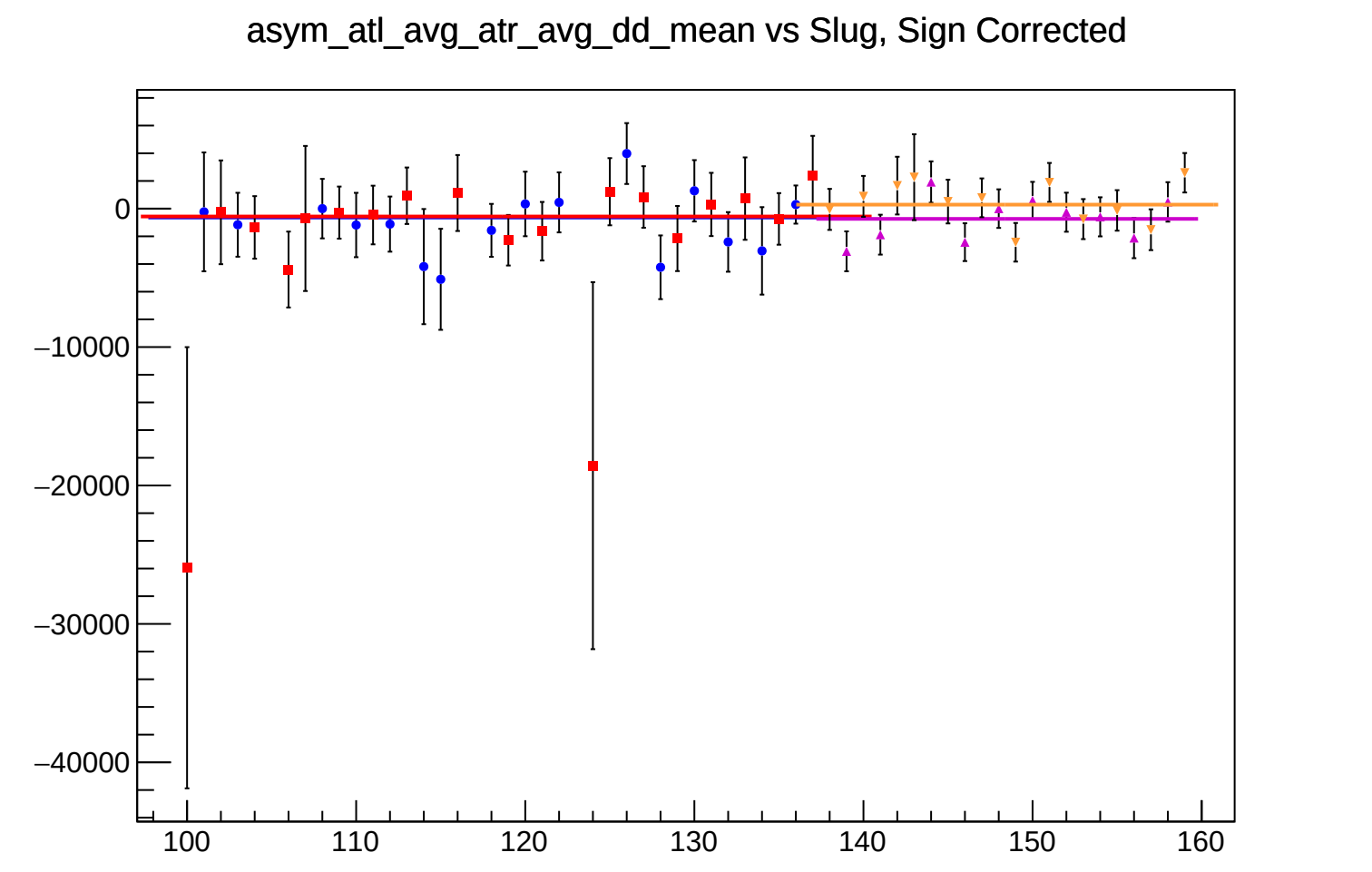
Left: 344.944+/-0.060 χ^2/NDF: 3104350.0/21

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 359.136+/-0.070 χ^2/NDF:5001799.4/25

Out: 356.103+/-0.069 χ^2/NDF:7113923.4/30

All: 357.605+/-0.049 χ^2/NDF: 12116681.6/56



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 288.206+/-443.931 χ^2/NDF:11.0/11

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -739.423+/-448.049 χ^2/NDF:11.0/9

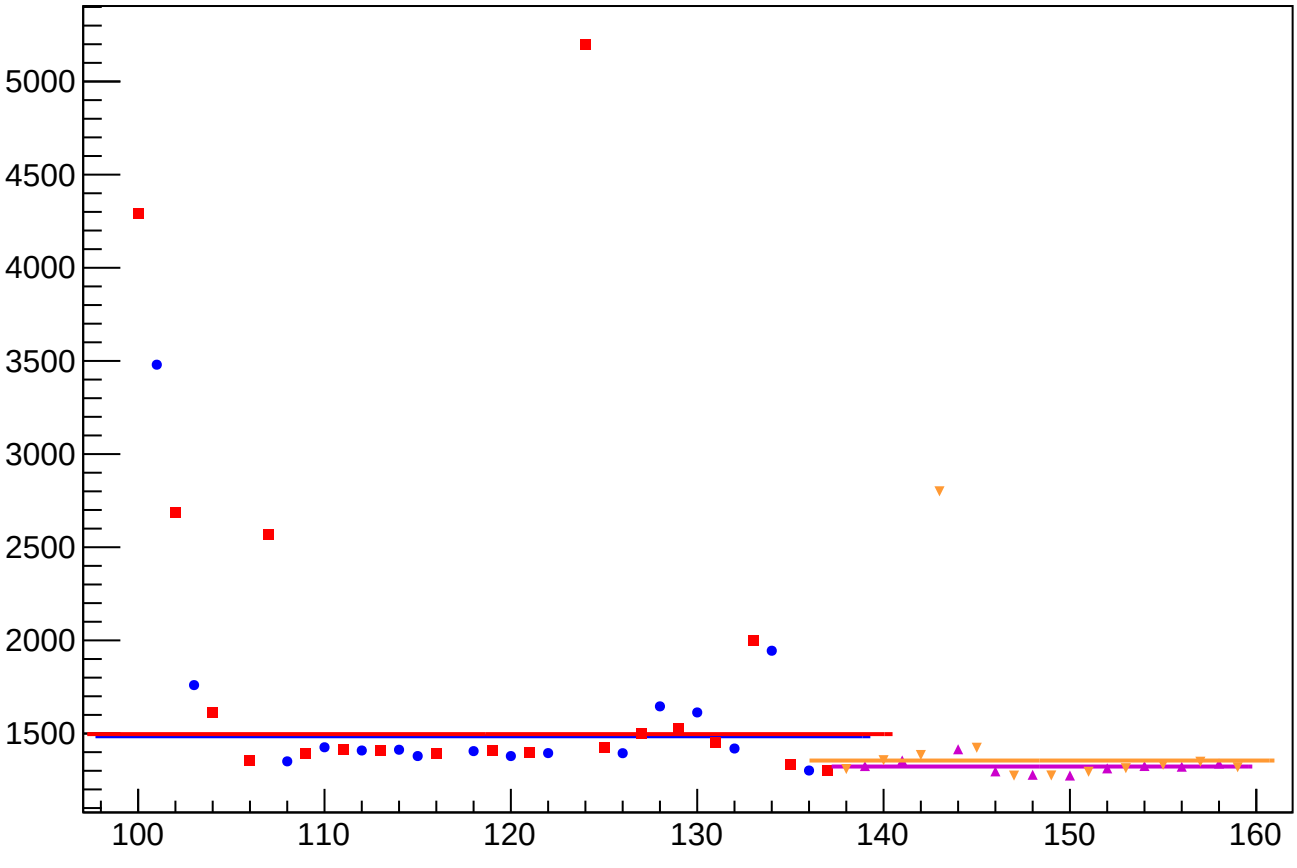
Left: -220.865+/-315.353 χ^2/NDF: 24.7/21

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -701.304+/-350.910 χ^2/NDF:23.5/25

Out: -37.064+/-349.488 χ^2/NDF:23.8/30

All: -367.835+/-247.626 χ^2/NDF: 49.1/56



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1355.044+/-0.314 χ^2/NDF:460197.8/11

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

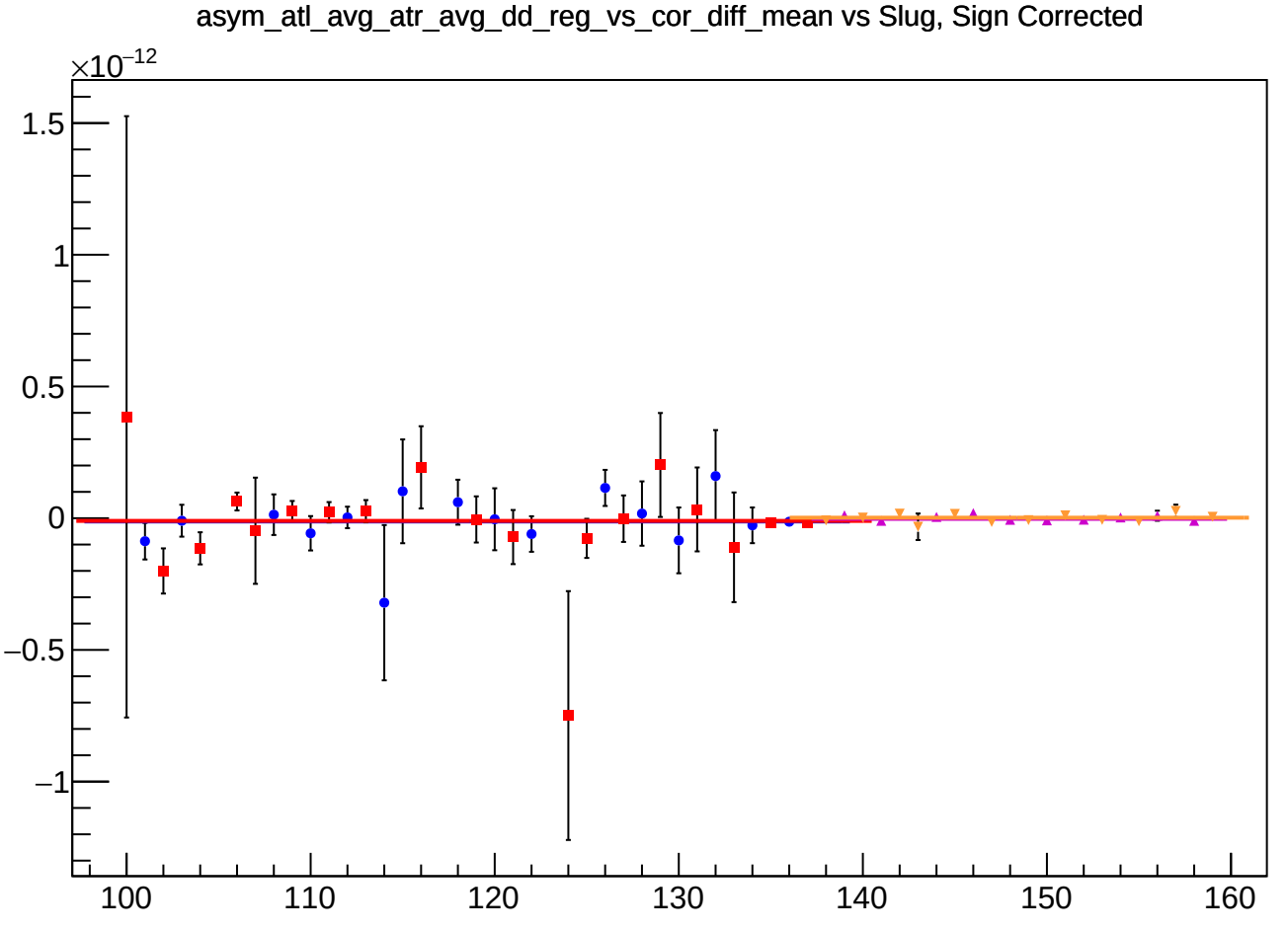
Left: 1339.086+/-0.223 χ^2/NDF: 479830.6/21

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1385.669+/-0.248 χ^2/NDF:700644.5/25

Out: 1408.969+/-0.247 χ^2/NDF:1161102.0/30

All: 1397.366+/-0.175 χ^2/NDF: 1866173.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

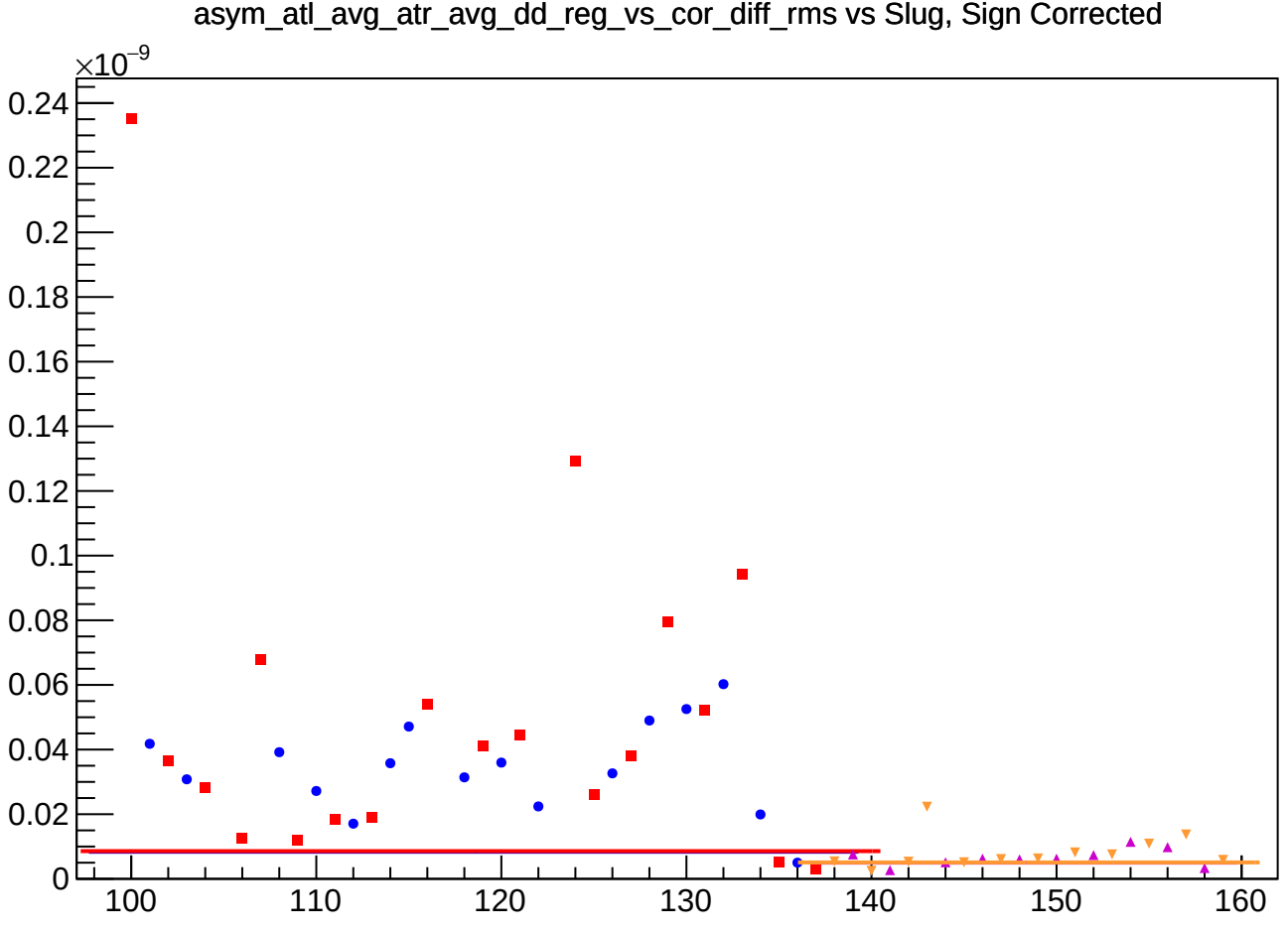
Left: -0.000+/-0.000 χ^2/NDF: 24.0/21

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:21.8/25

Out: 0.000+/-0.000 χ^2/NDF:36.4/30

All: -0.000+/-0.000 χ^2/NDF: 59.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534636.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2605971.3/21

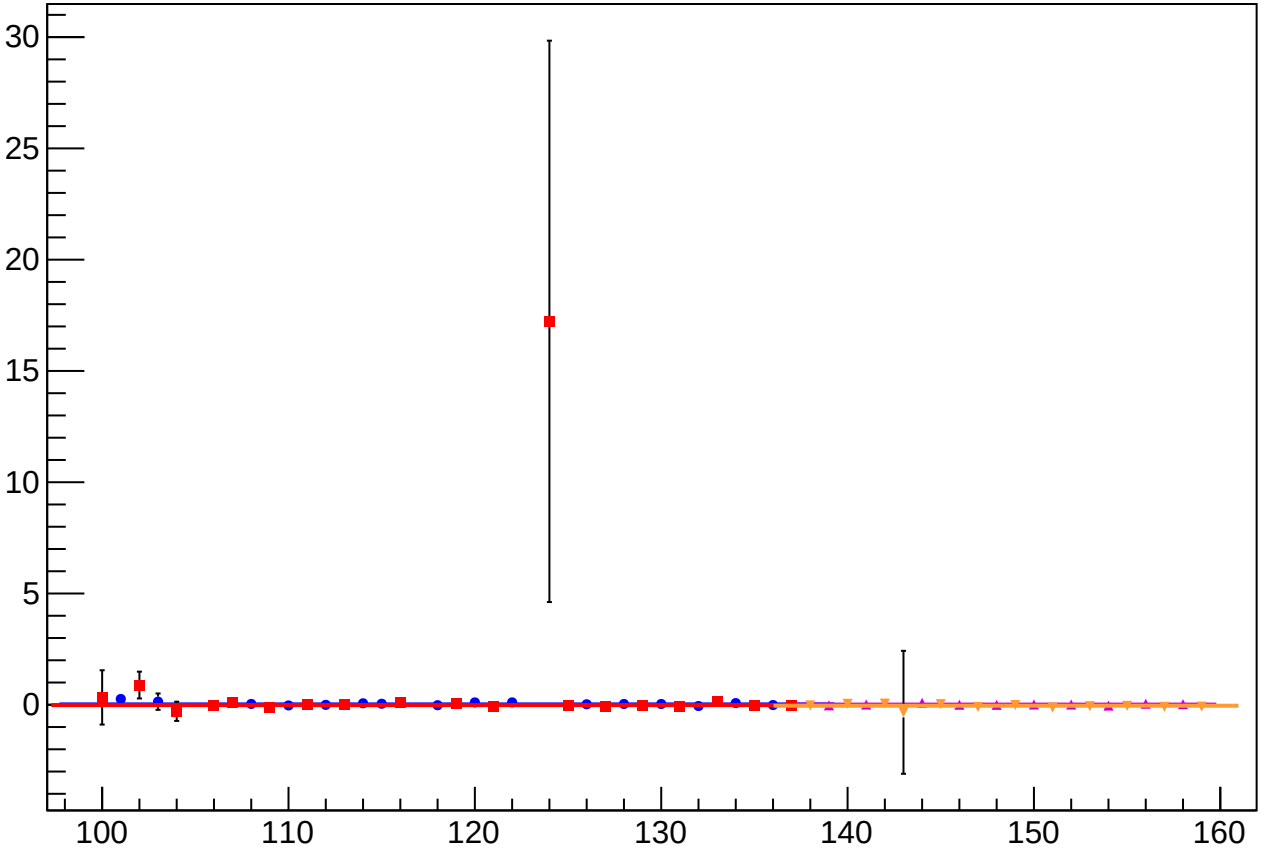
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4483992.1/25

Out: 0.000+/-0.000 χ^2/NDF:5219662.2/30

All: 0.000+/-0.000 χ^2/NDF: 9703667.1/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

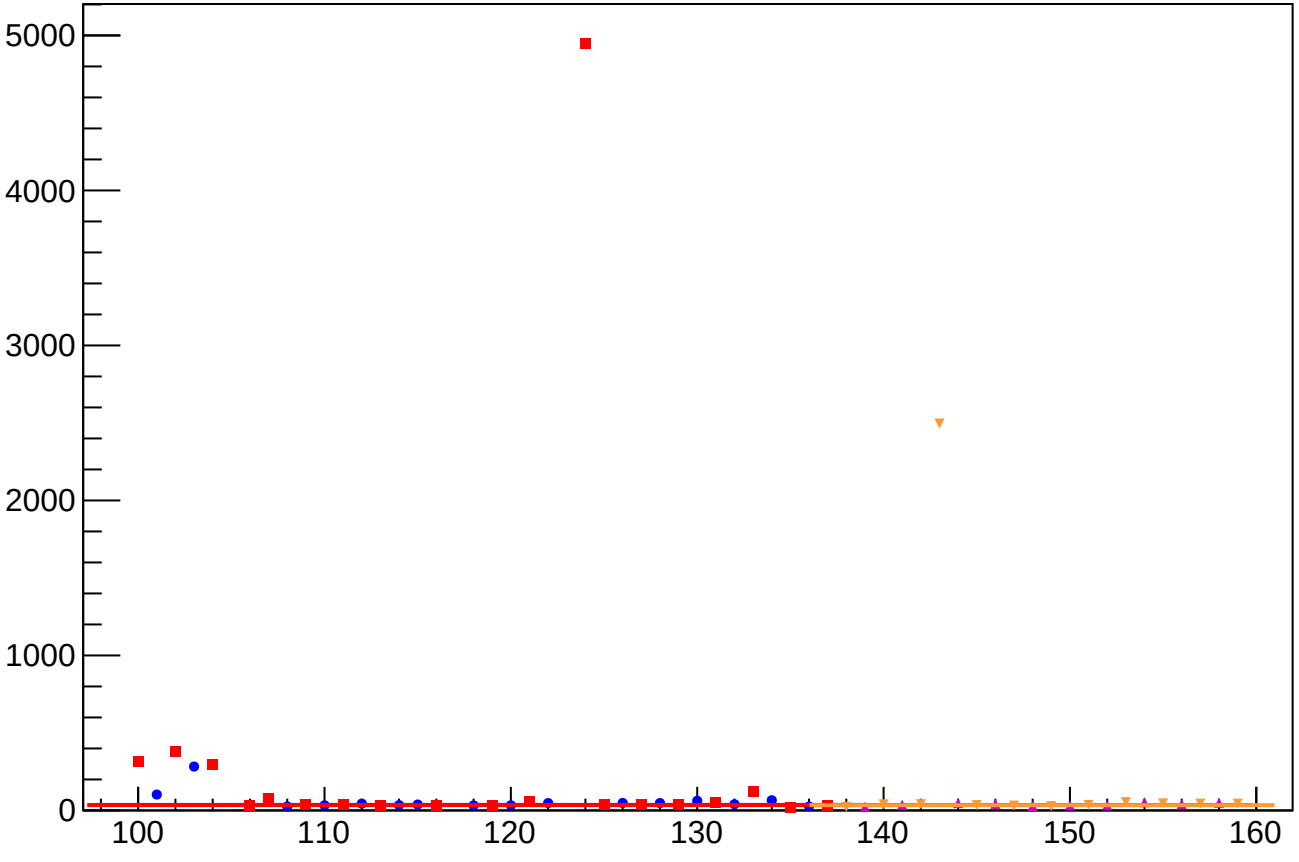
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56

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: 33.934+/-0.009 χ^2/NDF:2526288.4/11

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

Left: 34.531+/-0.006 χ^2/NDF: 3445671.8/21

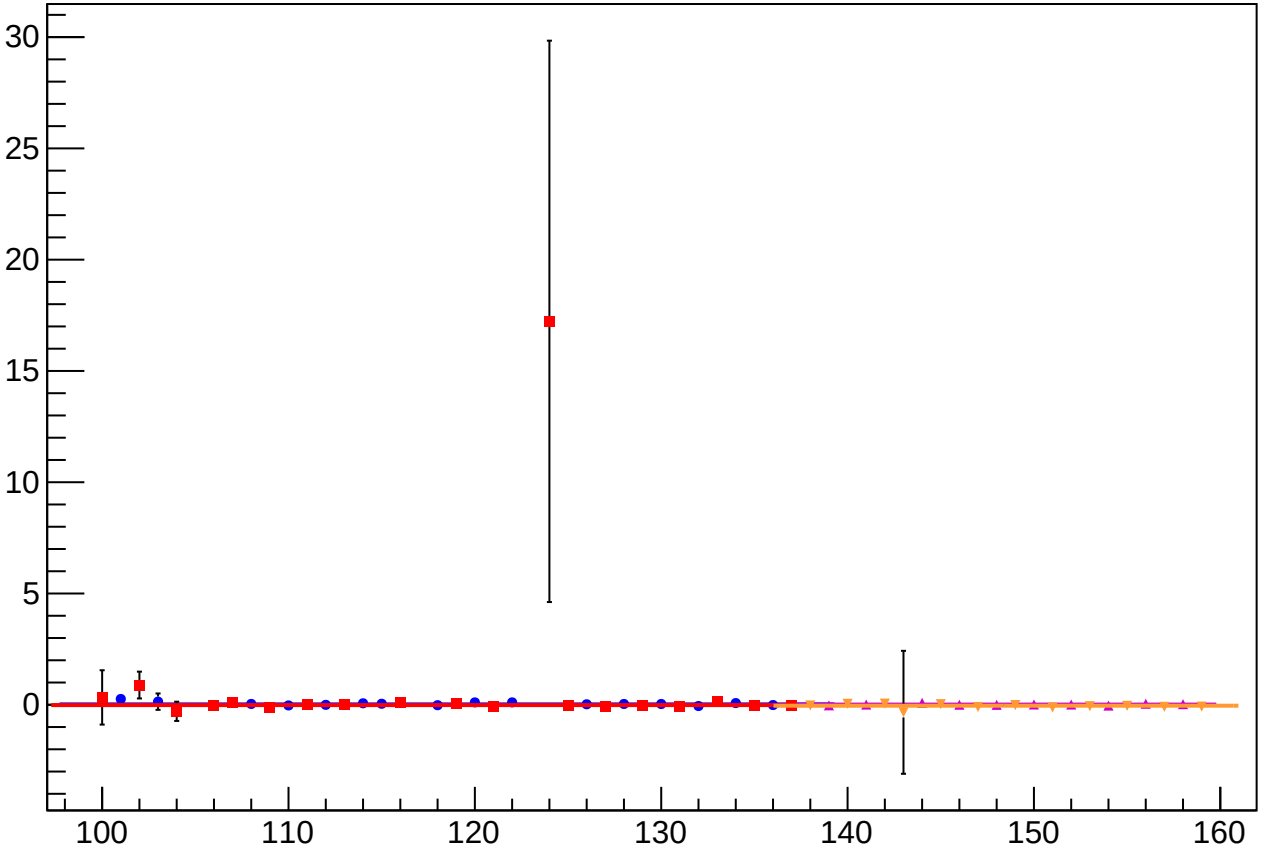
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

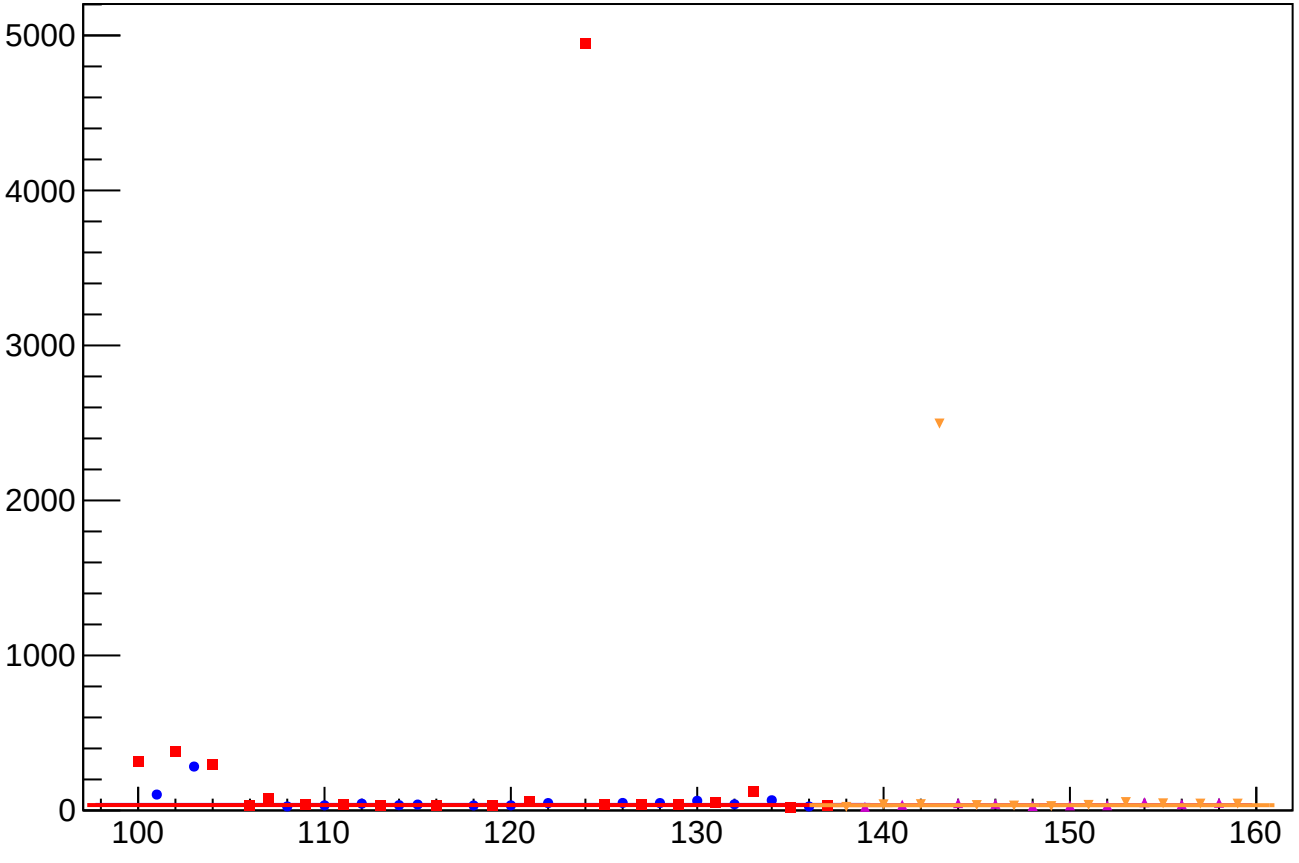
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56

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: 33.934+/-0.009 χ^2/NDF:2526288.4/11

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

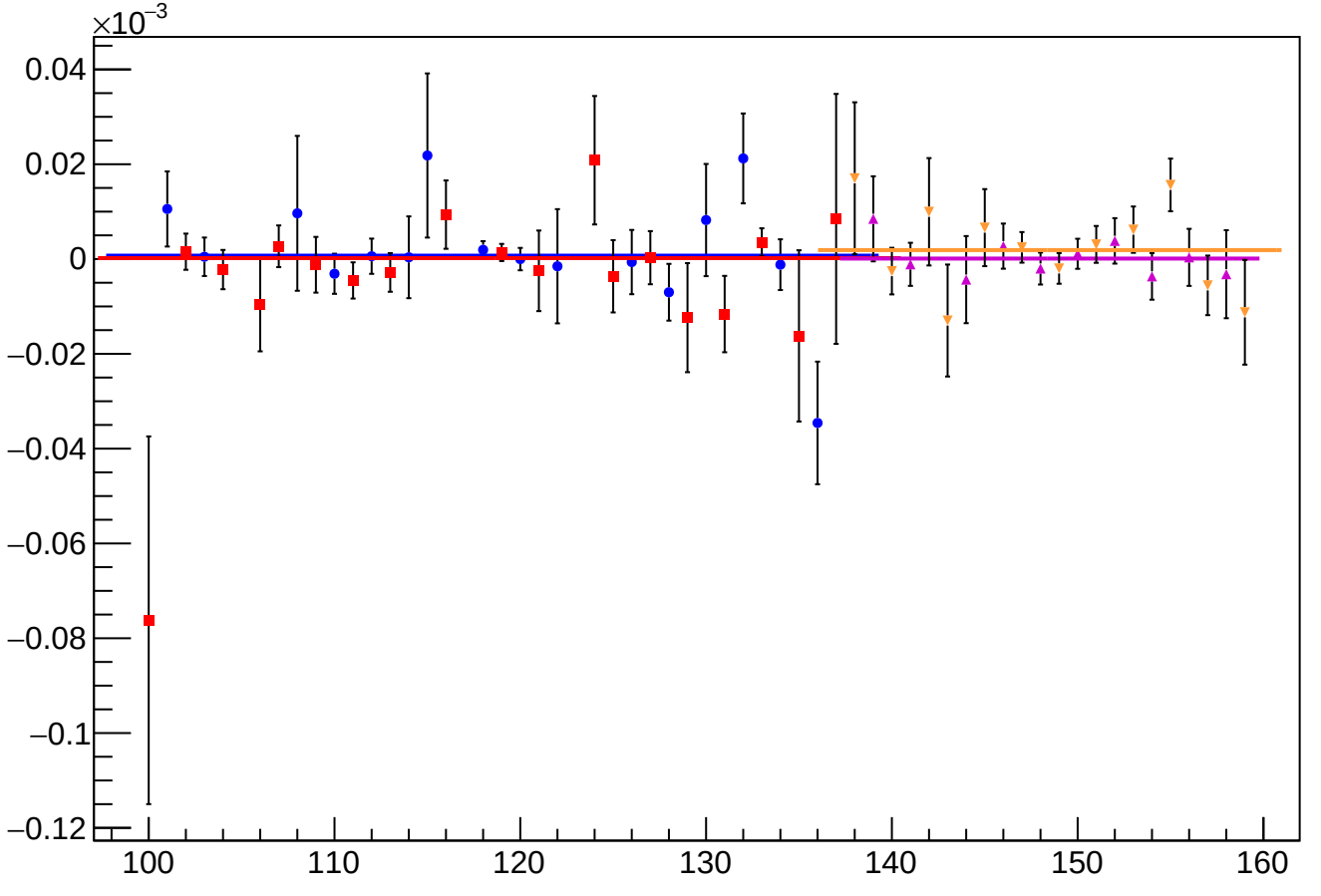
Left: 34.531+/-0.006 χ^2/NDF: 3445671.8/21

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

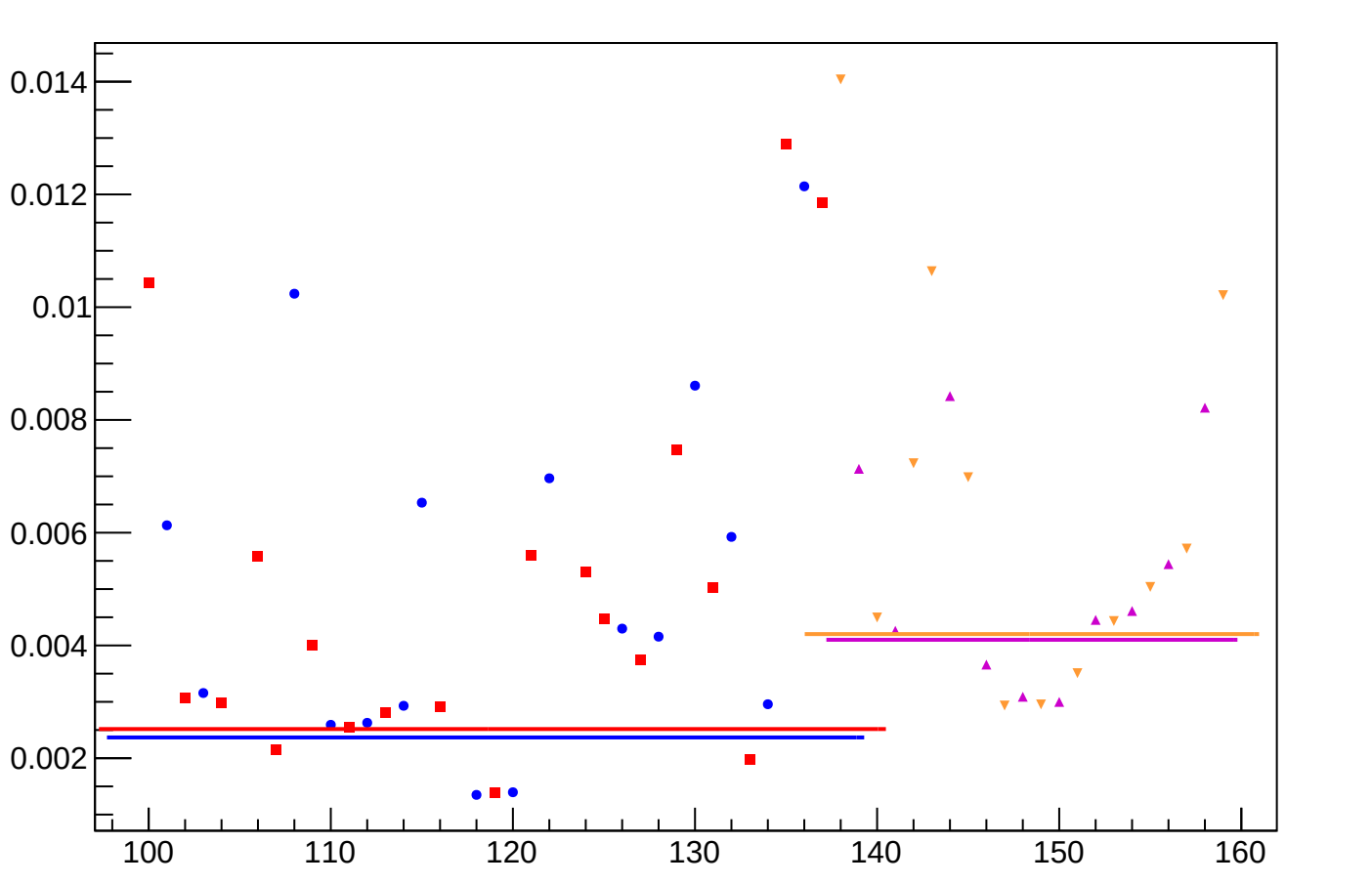
Left: 0.000+/-0.000 χ^2/NDF: 19.4/21

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.5/25

Out: 0.000+/-0.000 χ^2/NDF:34.3/30

All: 0.000+/-0.000 χ^2/NDF: 56.9/56



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3160270.0/11

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

Left: 0.004+/-0.000 χ^2/NDF: 4801411.7/21

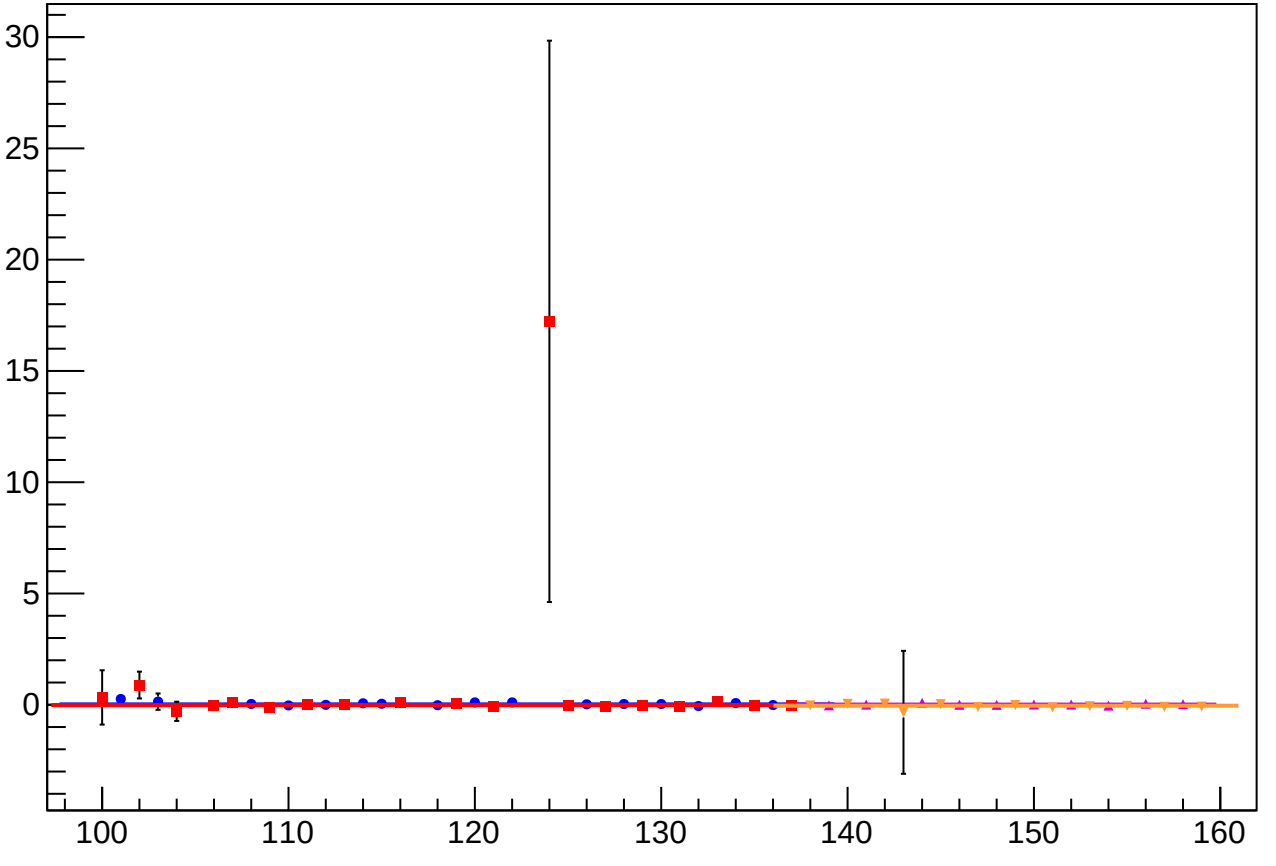
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8044772.0/25

Out: 0.003+/-0.000 χ^2/NDF:8226627.1/30

All: 0.003+/-0.000 χ^2/NDF: 16288226.9/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

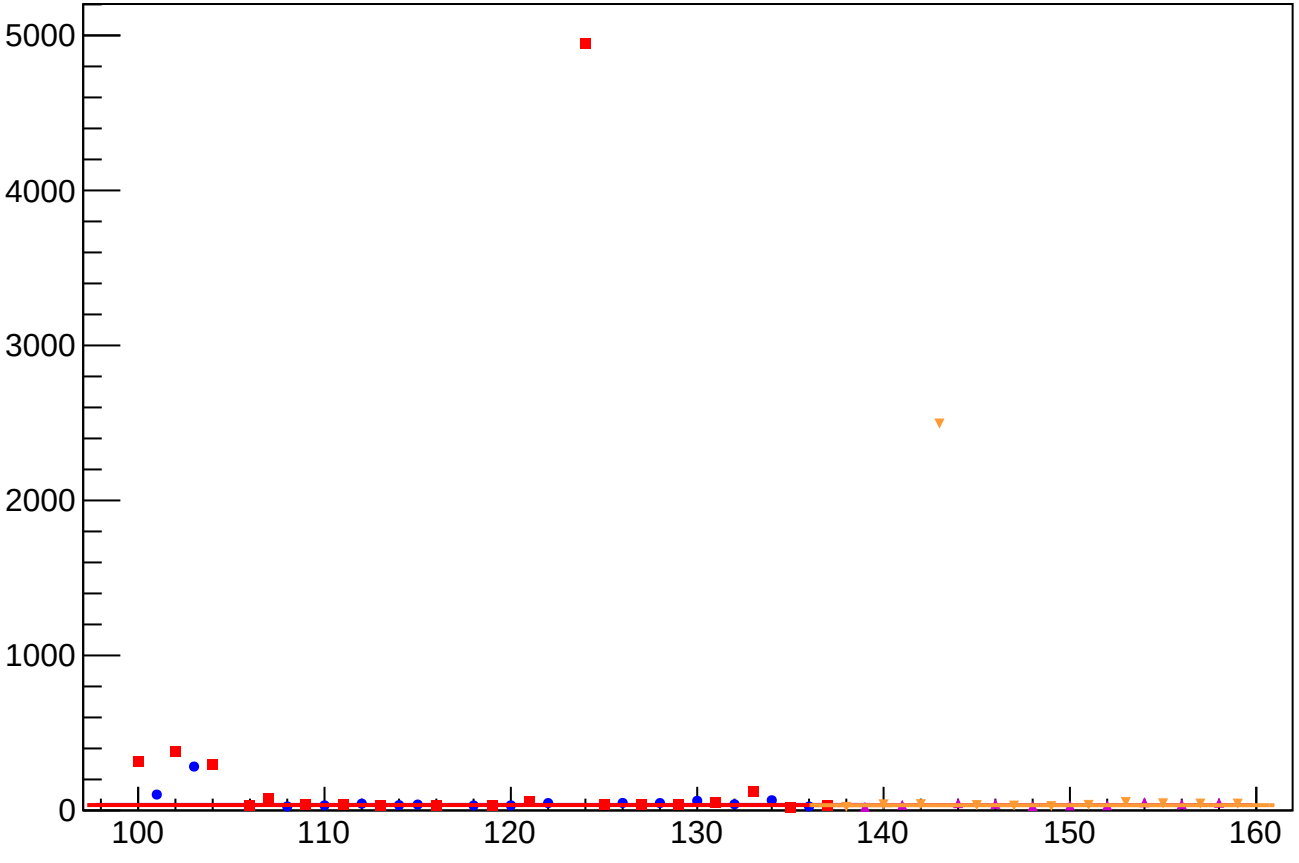
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56

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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

Left: 34.531+/-0.006 χ^2/NDF: 3446520.5/21

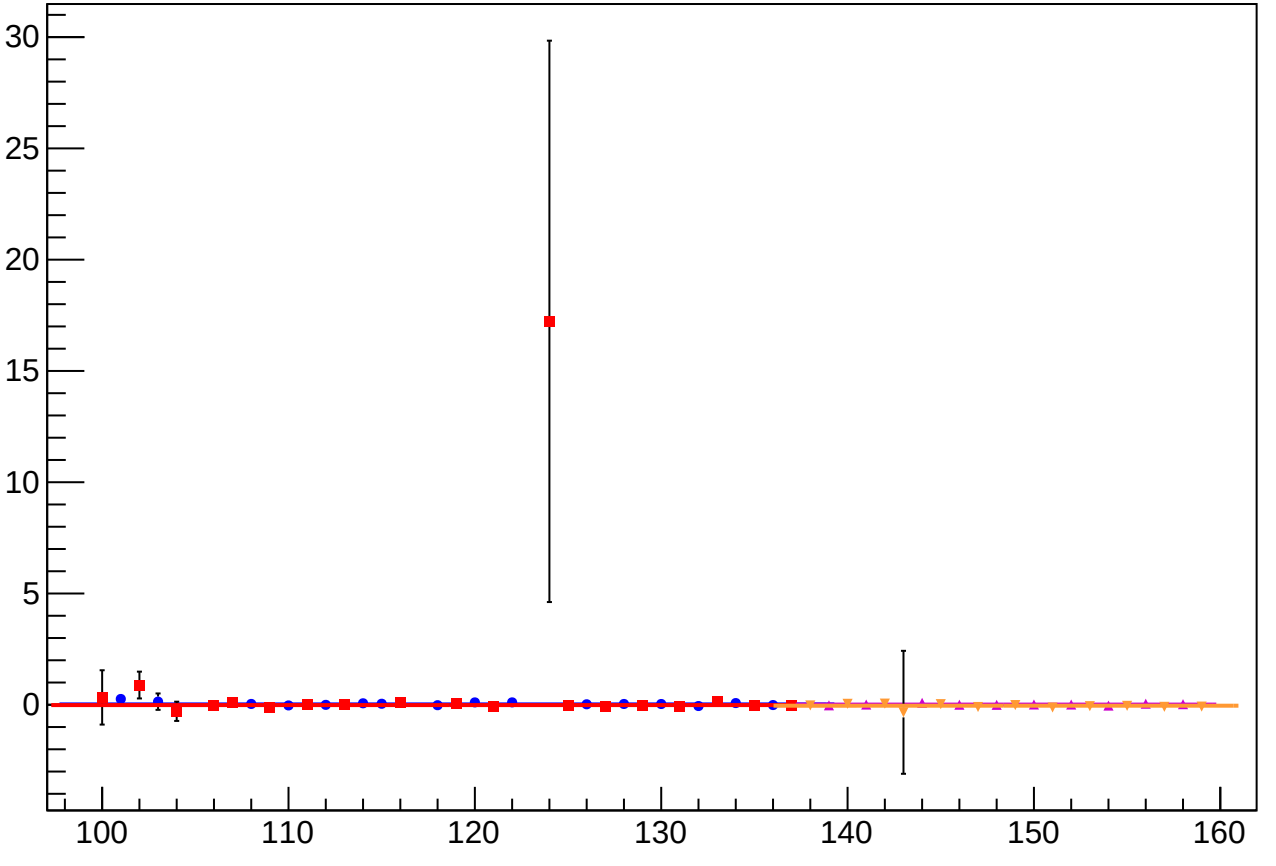
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

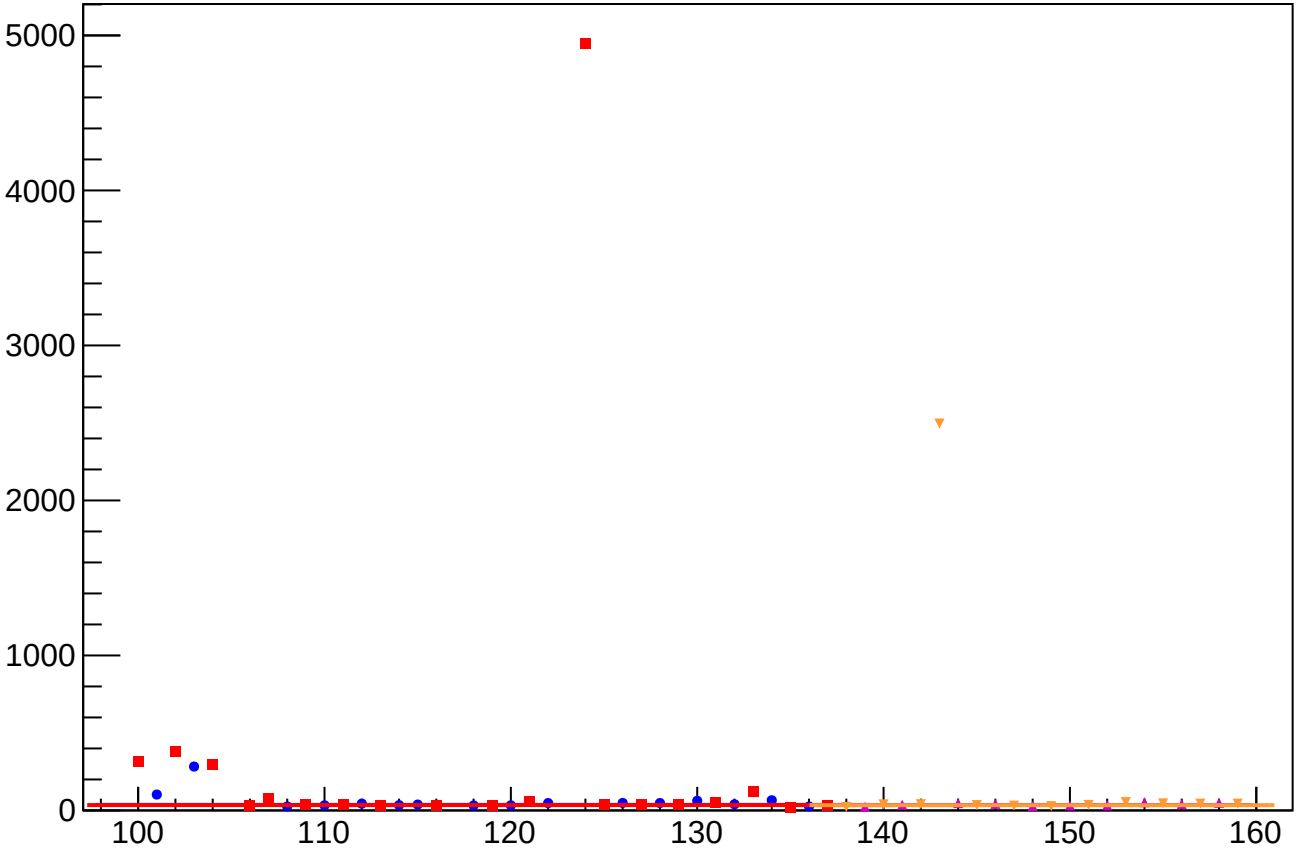
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56

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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

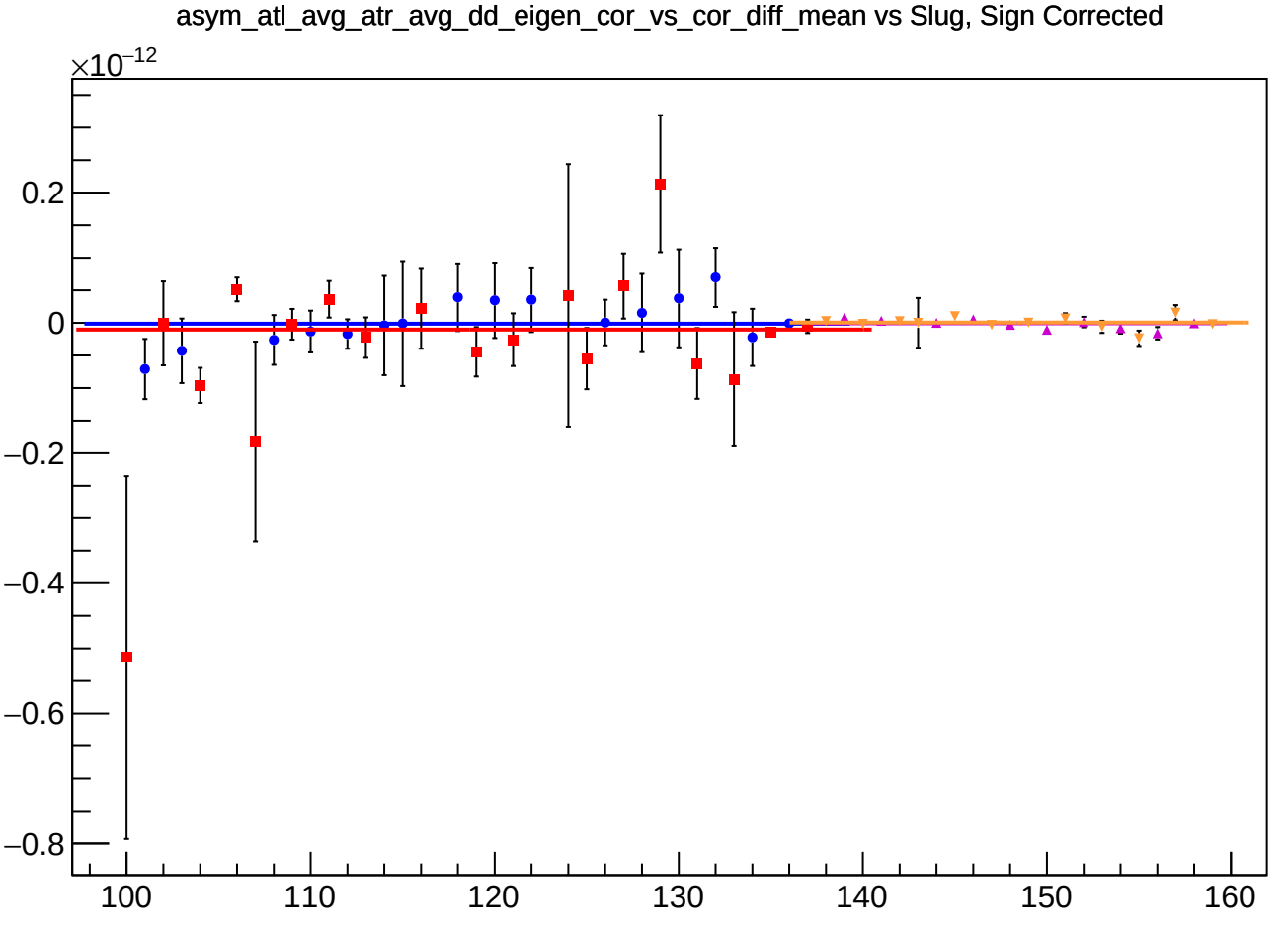
Left: 34.531+/-0.006 χ^2/NDF: 3446520.5/21

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/9

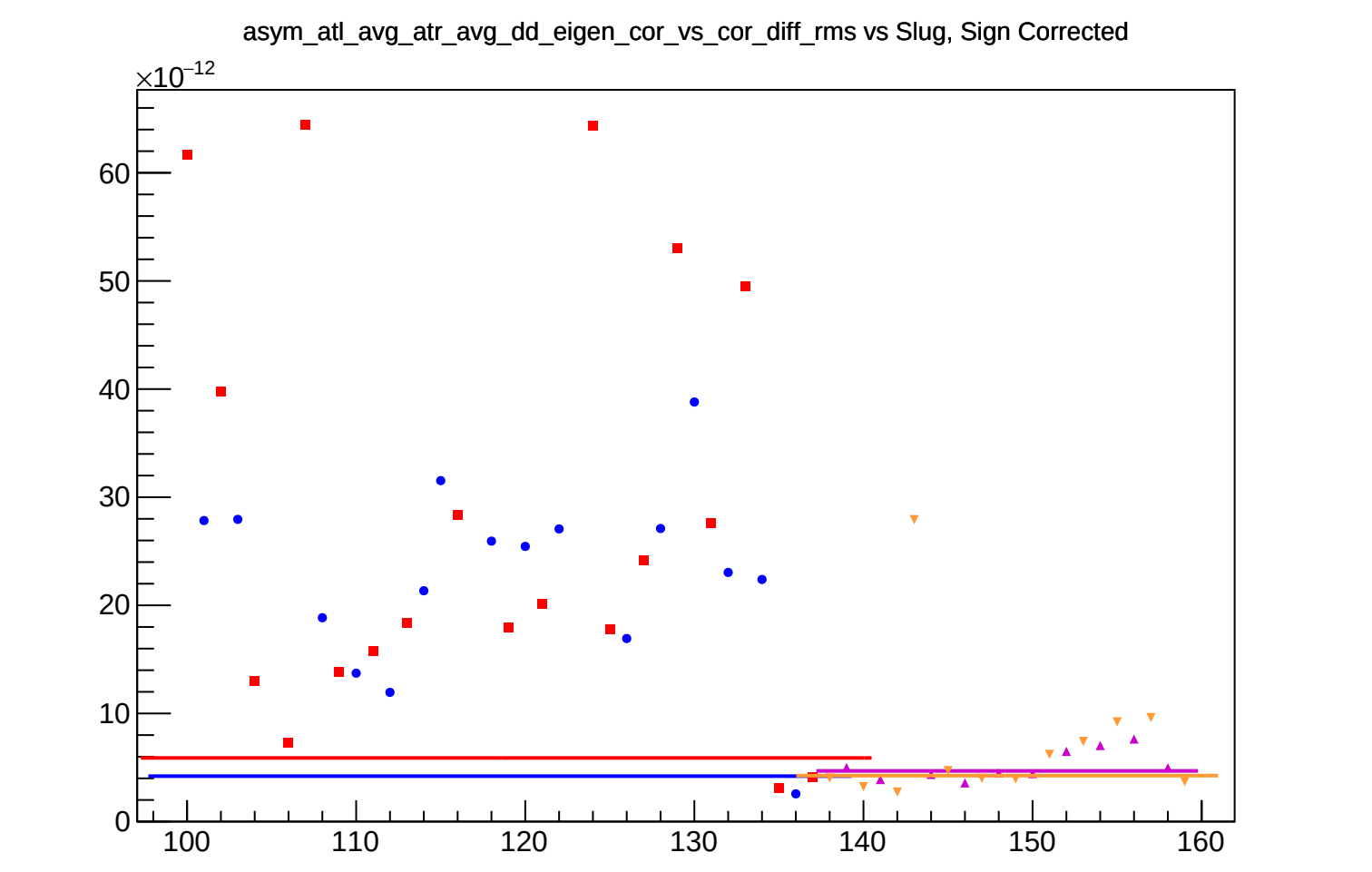
Left: -0.000+/-0.000 χ^2/NDF: 21.8/21

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: -0.000+/-0.000 χ^2/NDF:19.7/25

Out: -0.000+/-0.000 χ^2/NDF:56.0/30

All: -0.000+/-0.000 χ^2/NDF: 75.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2249616.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:634805.2/9

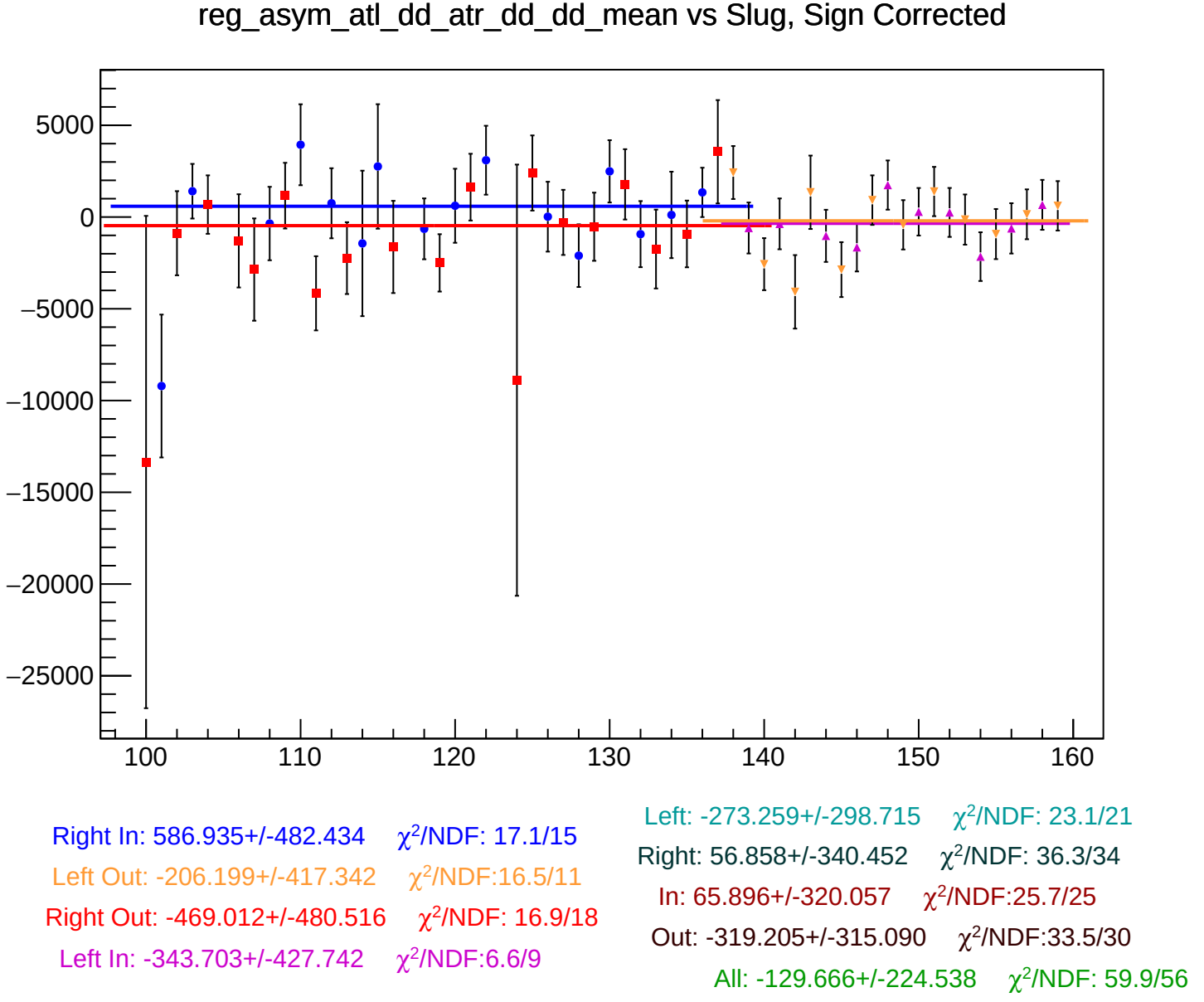
Left: 0.000+/-0.000 χ^2/NDF: 2939534.9/21

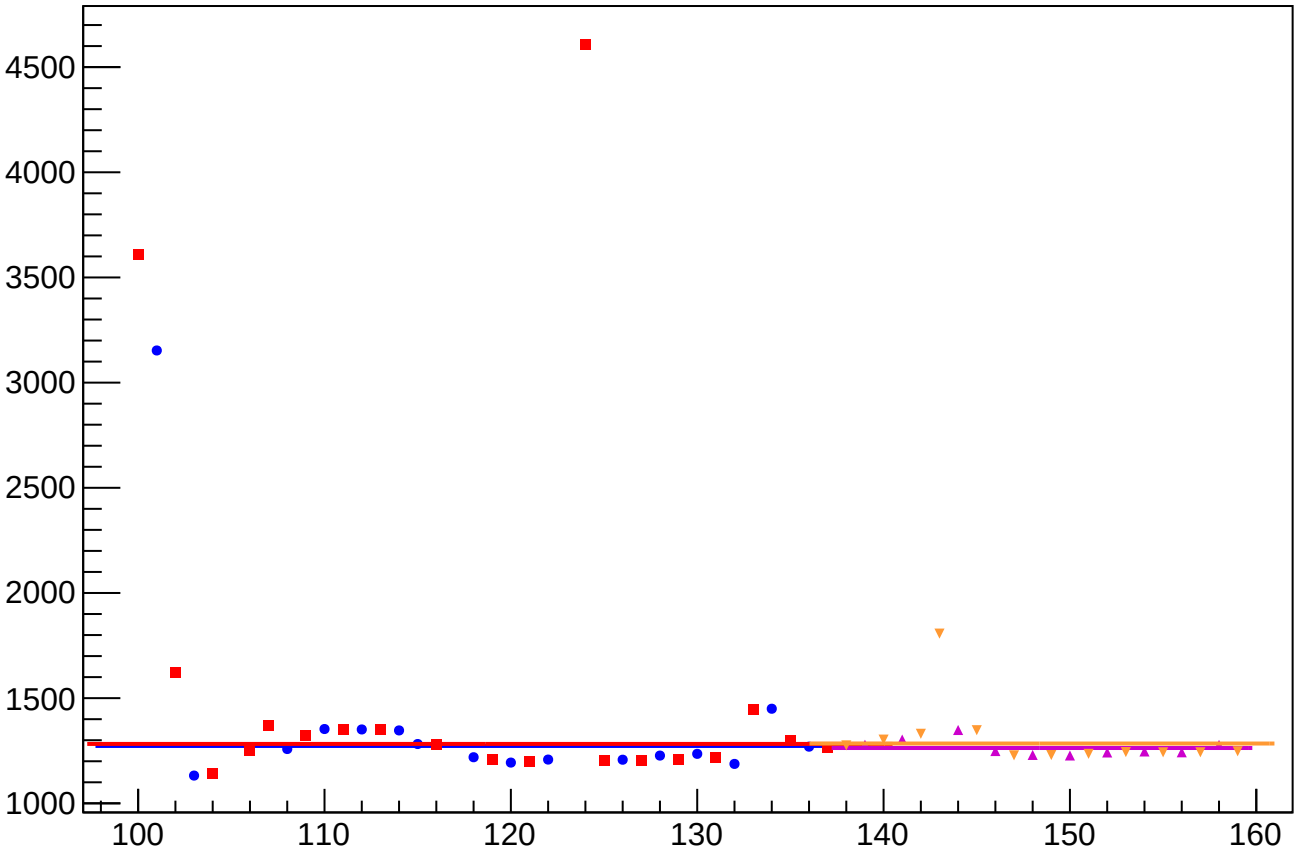
Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5745347.0/25

Out: 0.000+/-0.000 χ^2/NDF:7370340.4/30

All: 0.000+/-0.000 χ^2/NDF: 13117202.2/56


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
Right In: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -206.199+/-417.342 χ²/NDF:16.5/11
Right Out: -469.012+/-480.516 χ²/NDF: 16.9/18
Left In: -343.703+/-427.742 χ²/NDF:6.6/9
Left: -273.259+/-298.715 χ²/NDF: 23.1/21
Right: 56.858+/-340.452 χ²/NDF: 36.3/34
In: 65.896+/-320.057 χ²/NDF:25.7/25
Out: -319.205+/-315.090 χ²/NDF:33.5/30
All: -129.666+/-224.538 χ²/NDF: 59.9/56



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

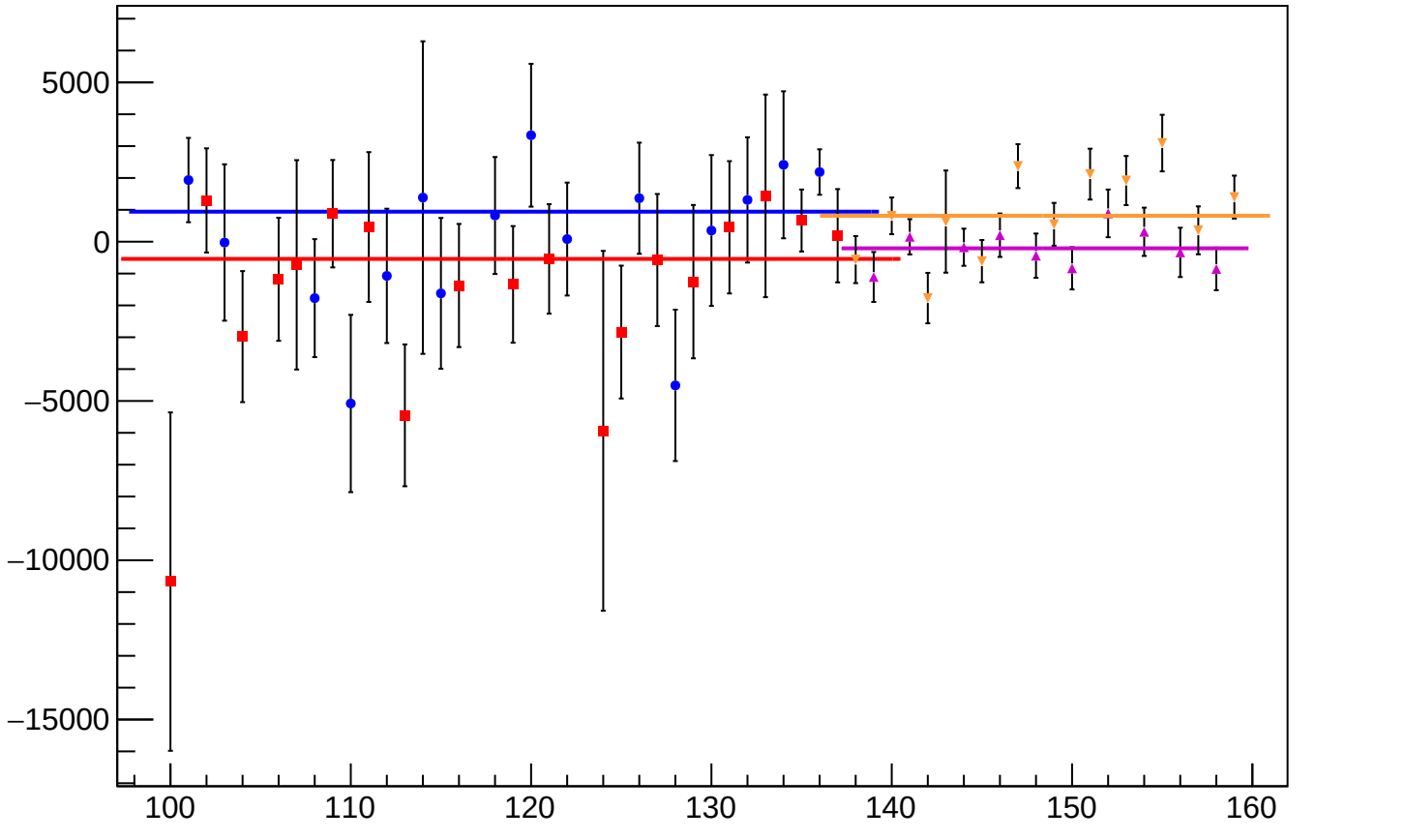
Left: 1273.899+/-0.211 χ^2/NDF: 174212.1/21

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1267.295+/-0.226 χ^2/NDF:533381.6/25

Out: 1283.473+/-0.223 χ^2/NDF:480140.7/30

All: 1275.510+/-0.159 χ^2/NDF: 1016117.0/56



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 814.105+/-213.625 χ^2/NDF:36.5/11

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -208.554+/-214.349 χ^2/NDF:6.7/9

Left: 304.504+/-151.311 χ^2/NDF: 54.6/21

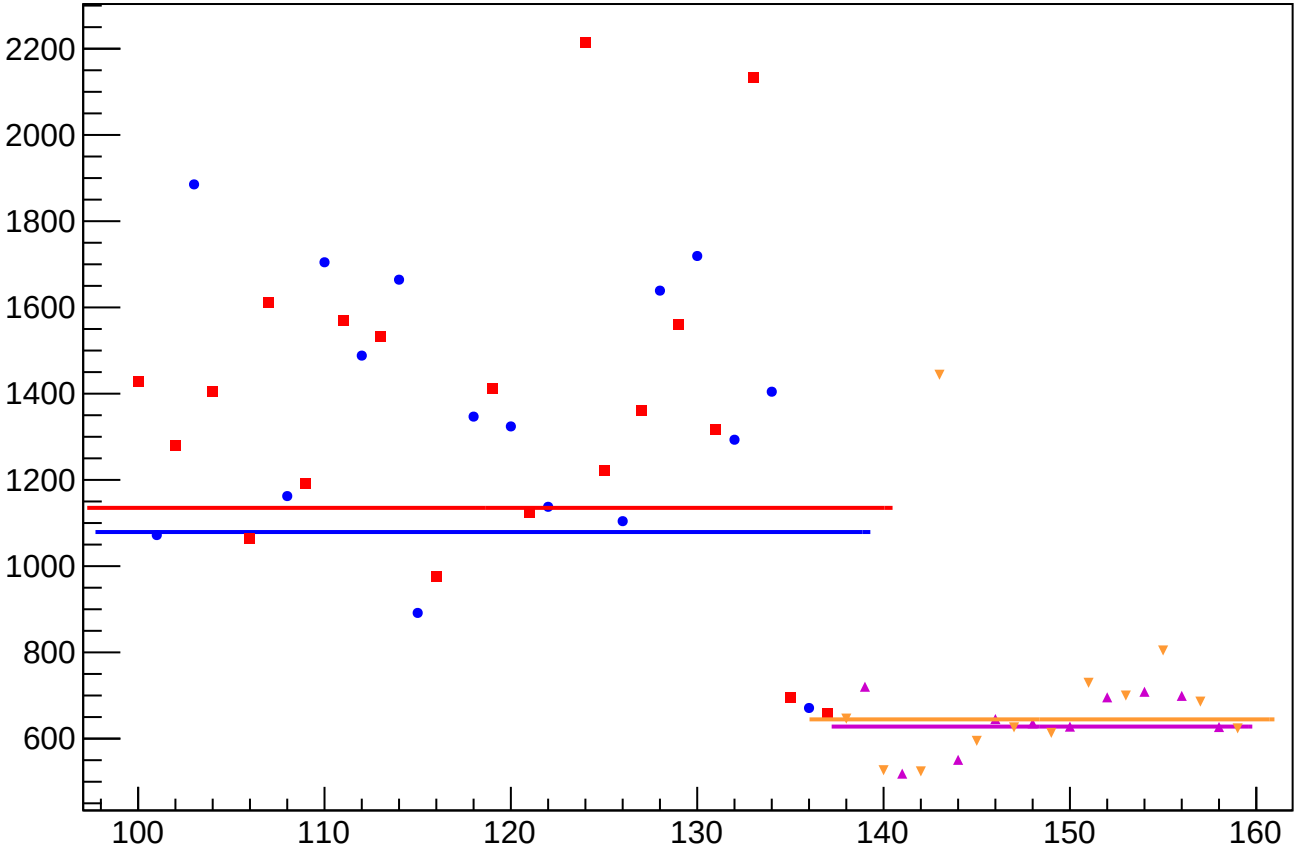
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 23.982+/-191.461 χ^2/NDF:32.4/25

Out: 555.592+/-192.165 χ^2/NDF:61.3/30

All: 288.812+/-135.632 χ^2/NDF: 97.6/56

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 644.651+/-0.151 χ^2/NDF:749636.9/11

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

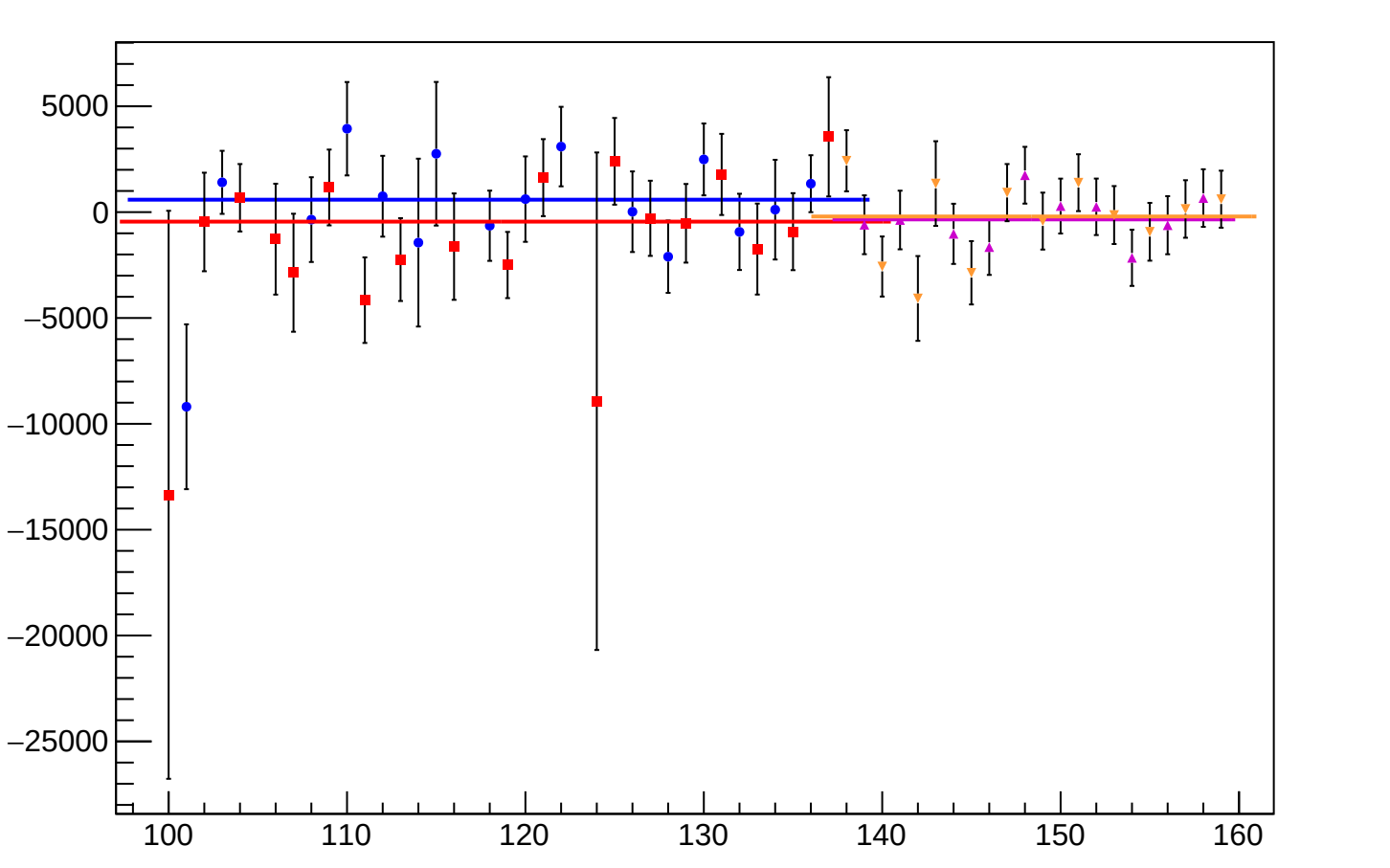
Left: 636.327+/-0.107 χ^2/NDF: 953737.8/21

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 719.151+/-0.135 χ^2/NDF:3471469.7/25

Out: 738.251+/-0.136 χ^2/NDF:4054830.7/30

All: 728.666+/-0.096 χ^2/NDF: 7536215.8/56



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

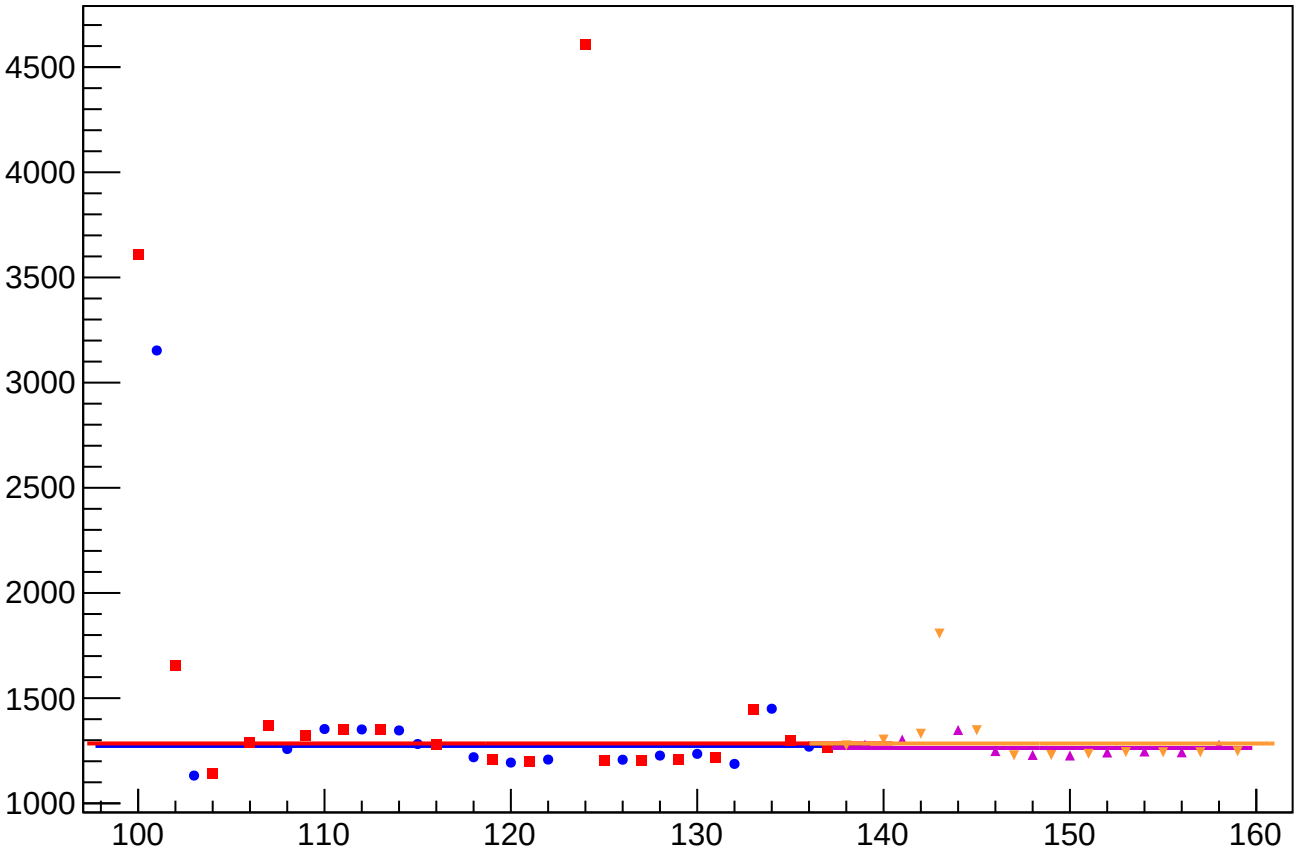
Left: -273.320+/-298.715 χ^2/NDF: 23.1/21

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -124.893+/-224.621 χ^2/NDF: 59.8/56



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

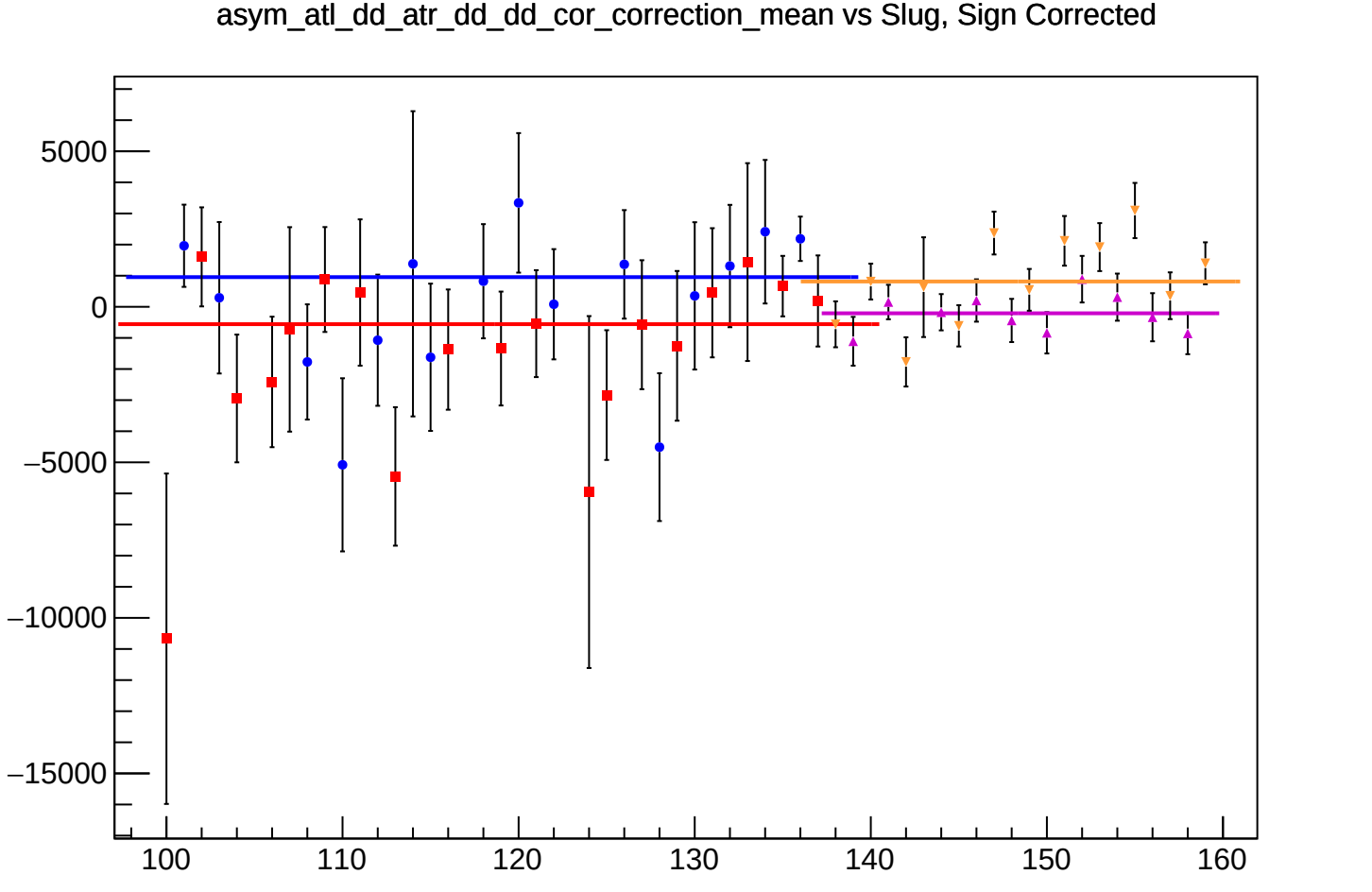
Left: 1273.899+/-0.211 χ^2/NDF: 174212.1/21

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 304.477+/-151.311 χ^2/NDF: 54.6/21

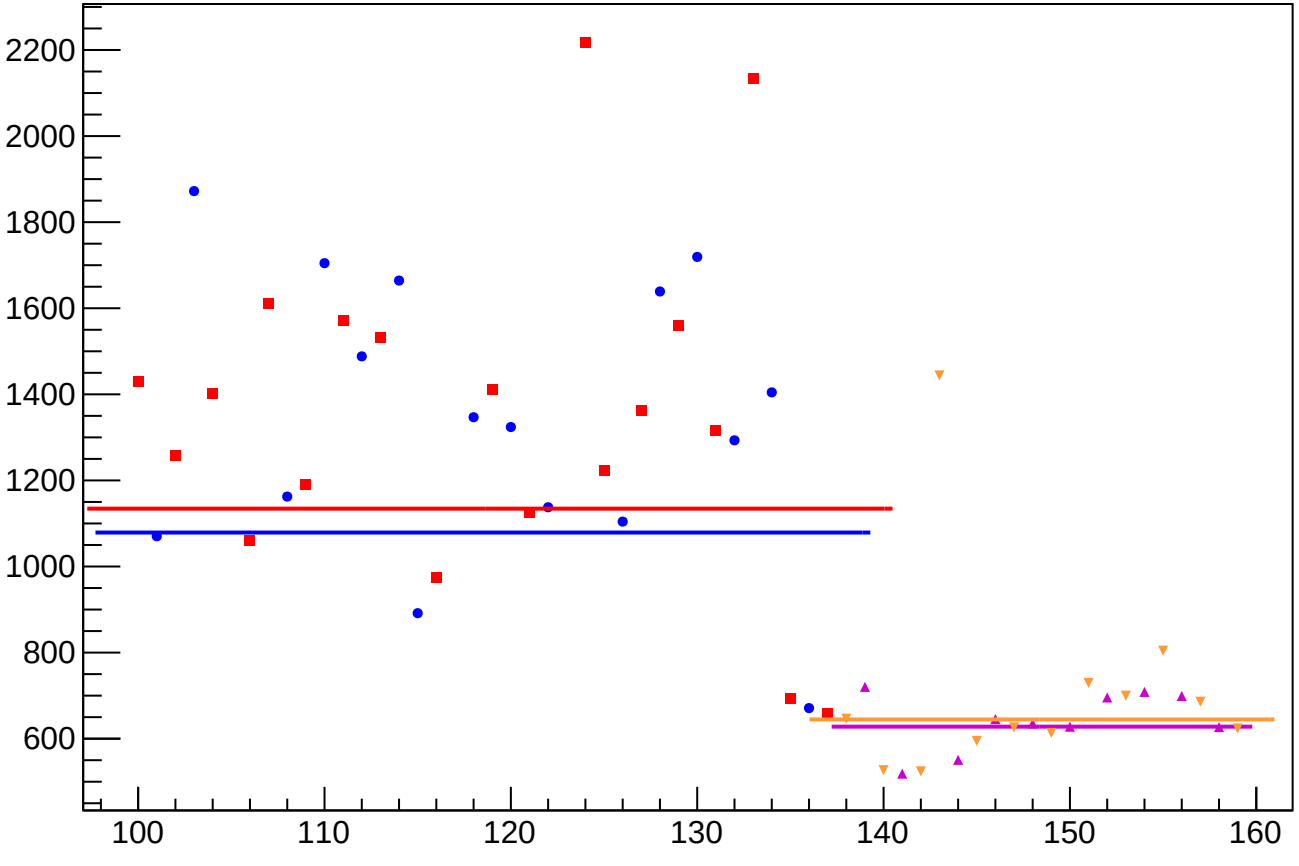
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 288.768+/-135.651 χ^2/NDF: 99.0/56

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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

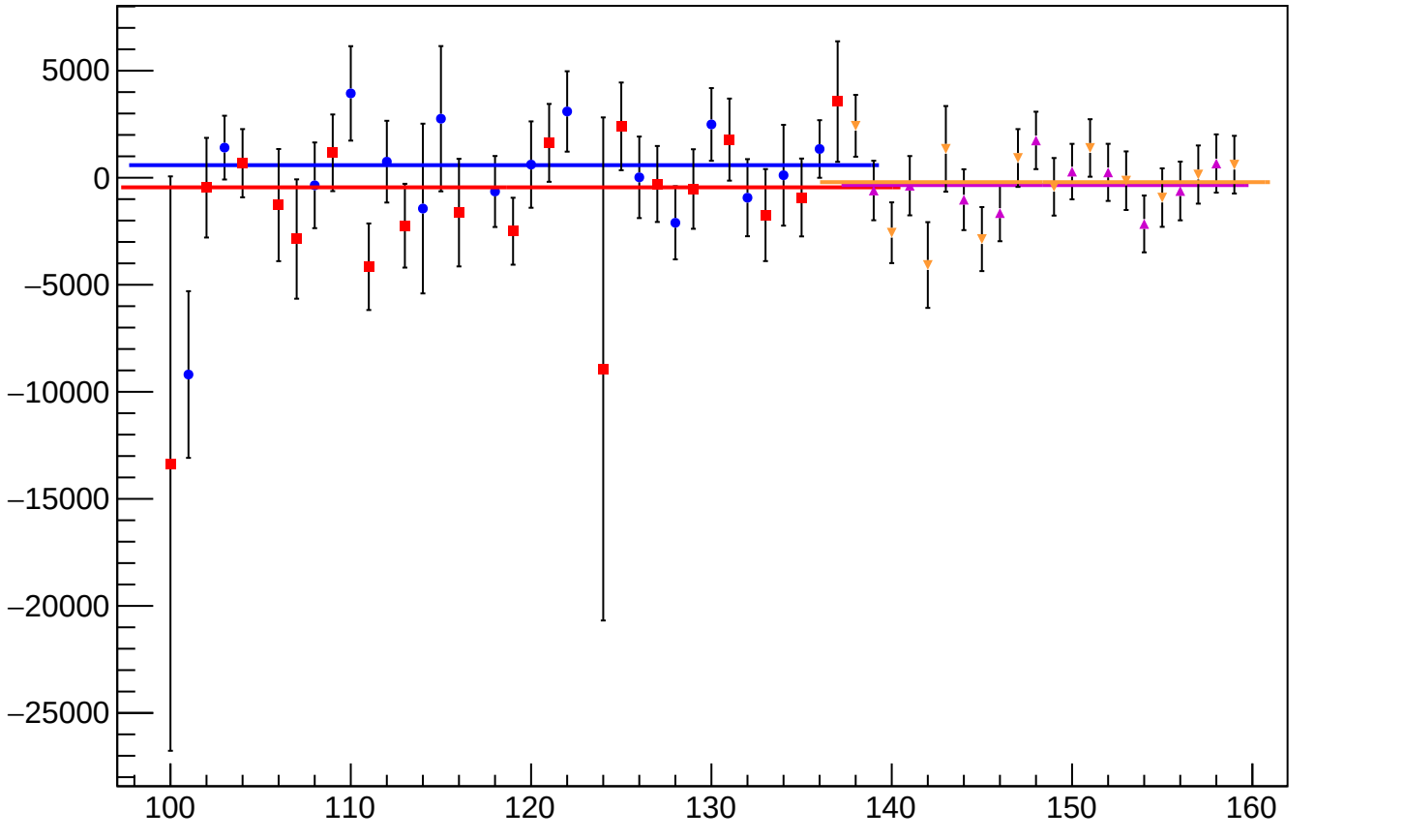
Left: 636.328+/-0.107 χ^2/NDF: 953676.3/21

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

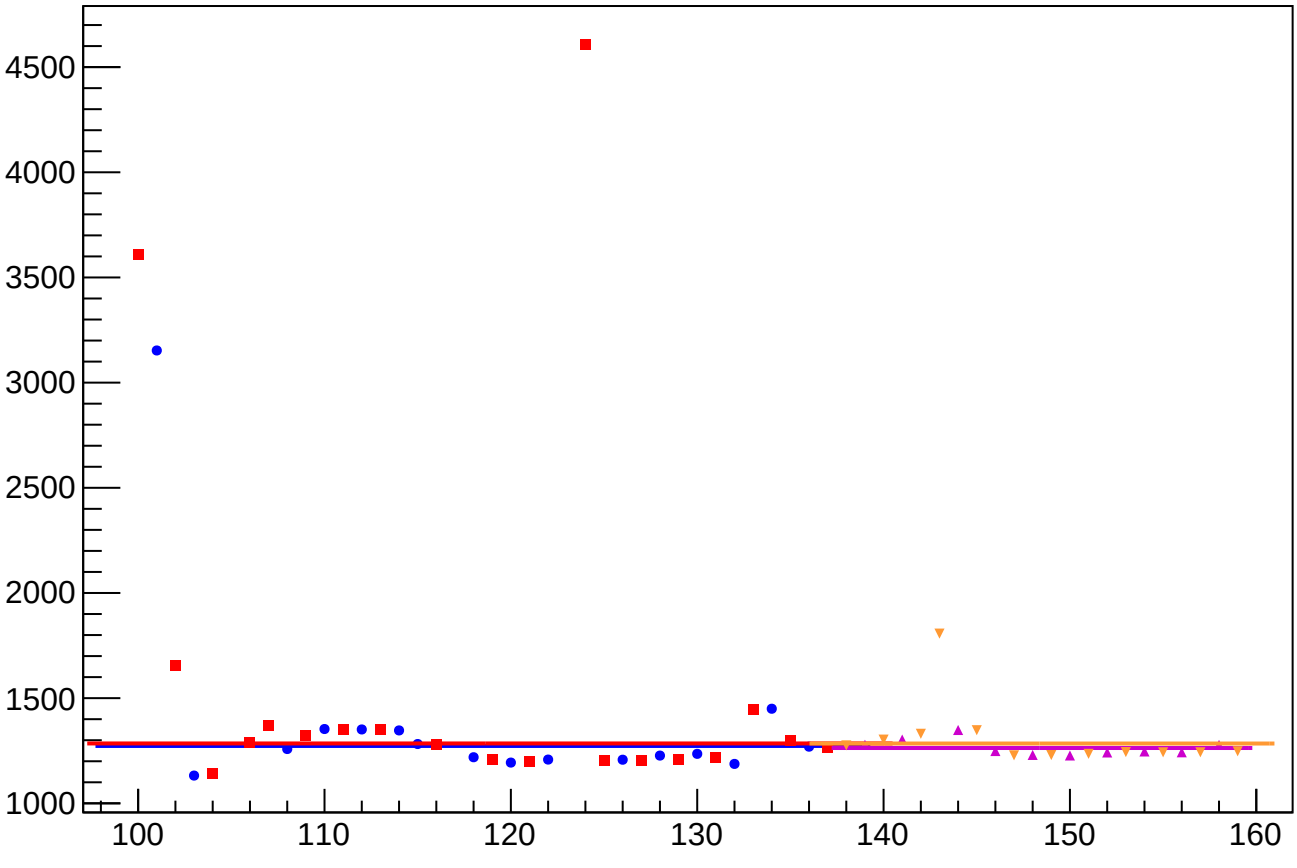
Left: -273.320+/-298.715 χ^2/NDF: 23.1/21

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -124.893+/-224.621 χ^2/NDF: 59.8/56



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

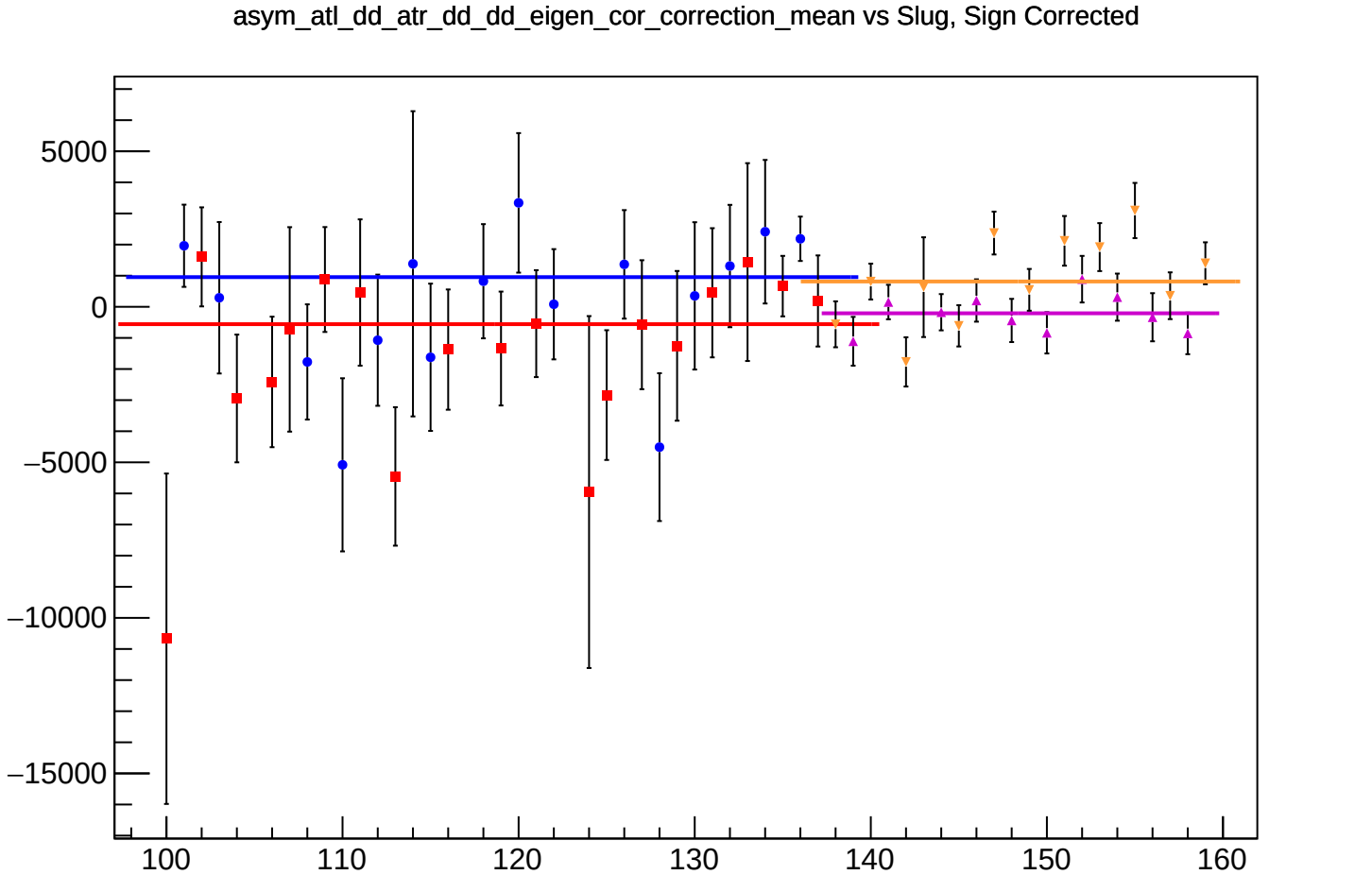
Left: 1273.899+/-0.211 χ^2/NDF: 174212.1/21

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 304.477+/-151.311 χ^2/NDF: 54.6/21

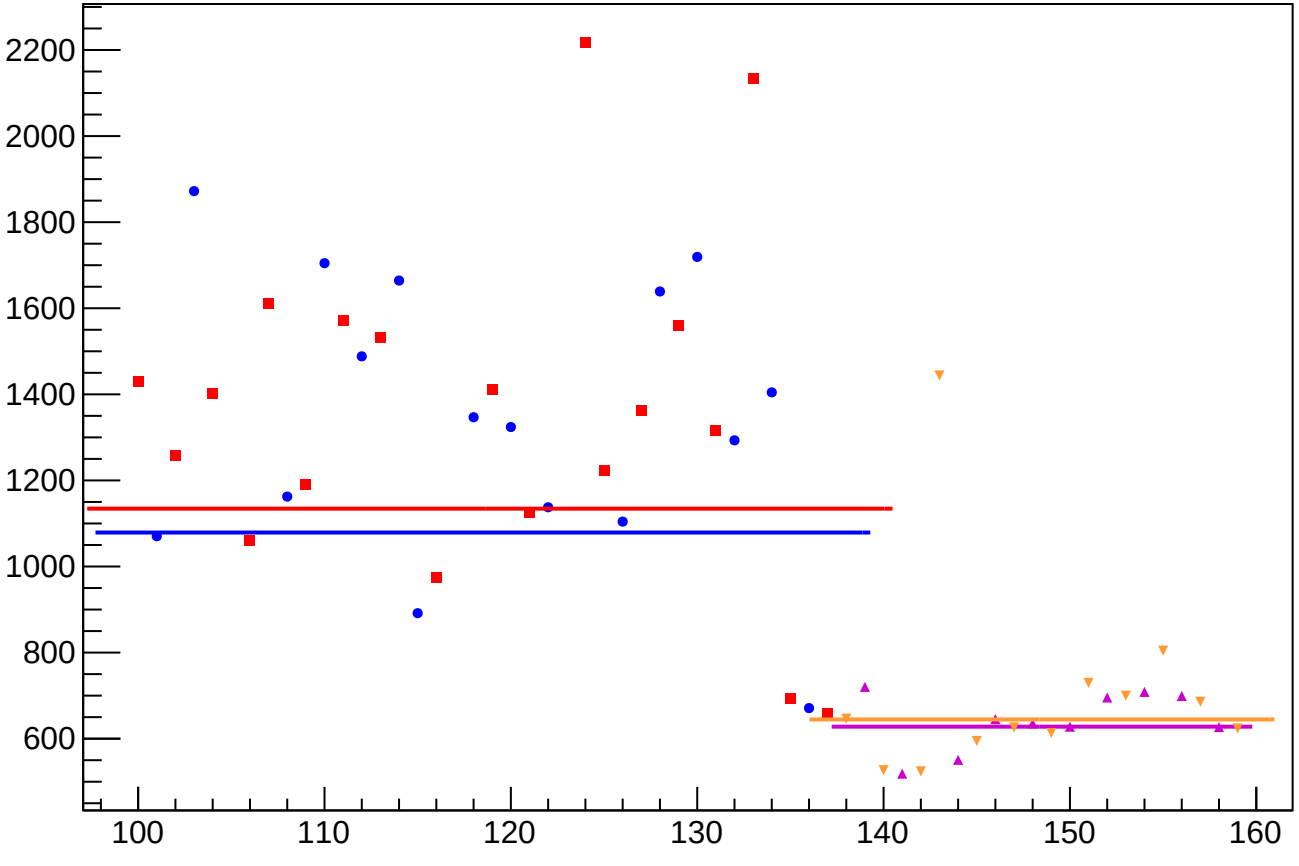
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 288.768+/-135.651 χ^2/NDF: 99.0/56

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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

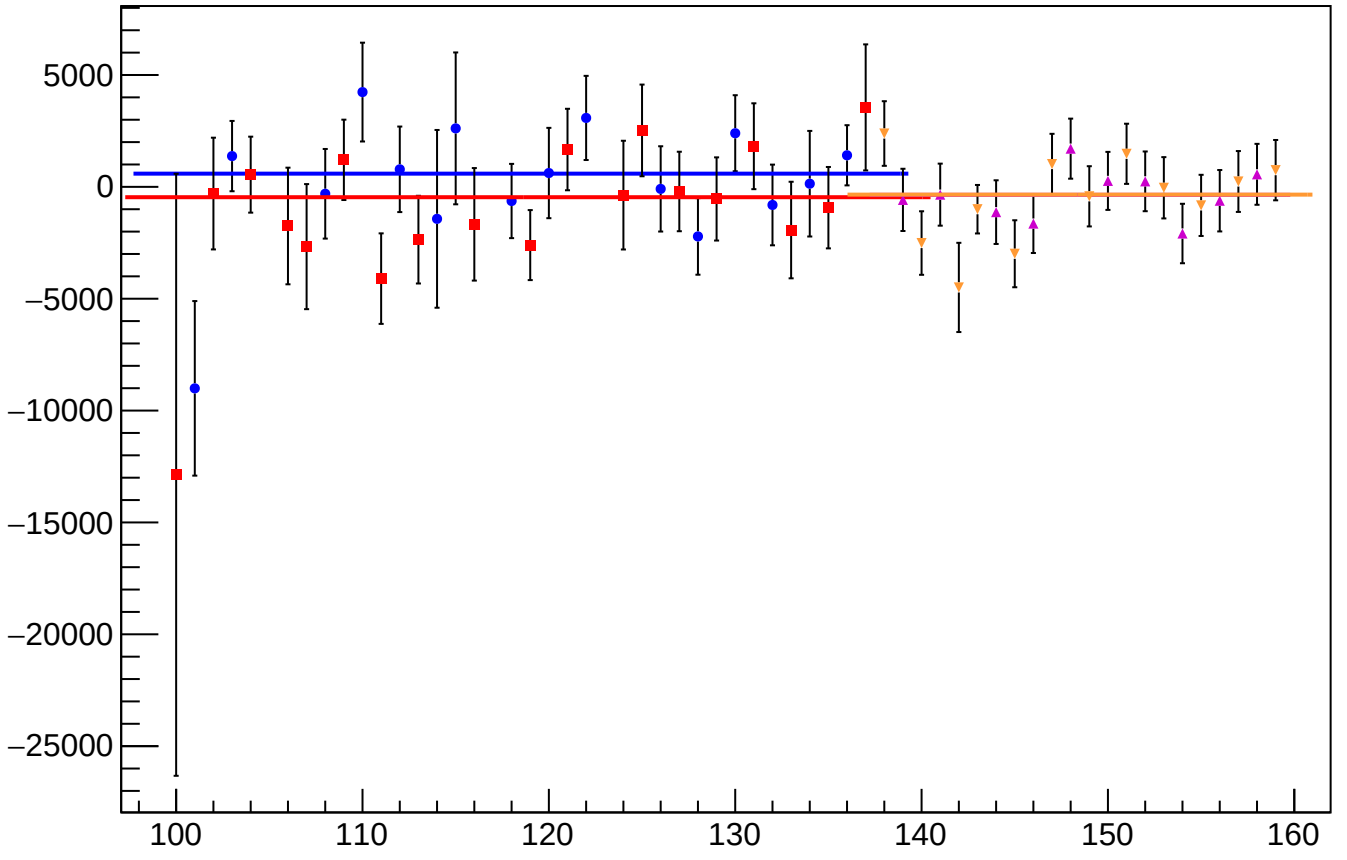
Left: 636.328+/-0.107 χ^2/NDF: 953676.3/21

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -347.269+/-397.285 χ^2/NDF:17.6/11

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -357.693+/-428.095 χ^2/NDF:6.3/9

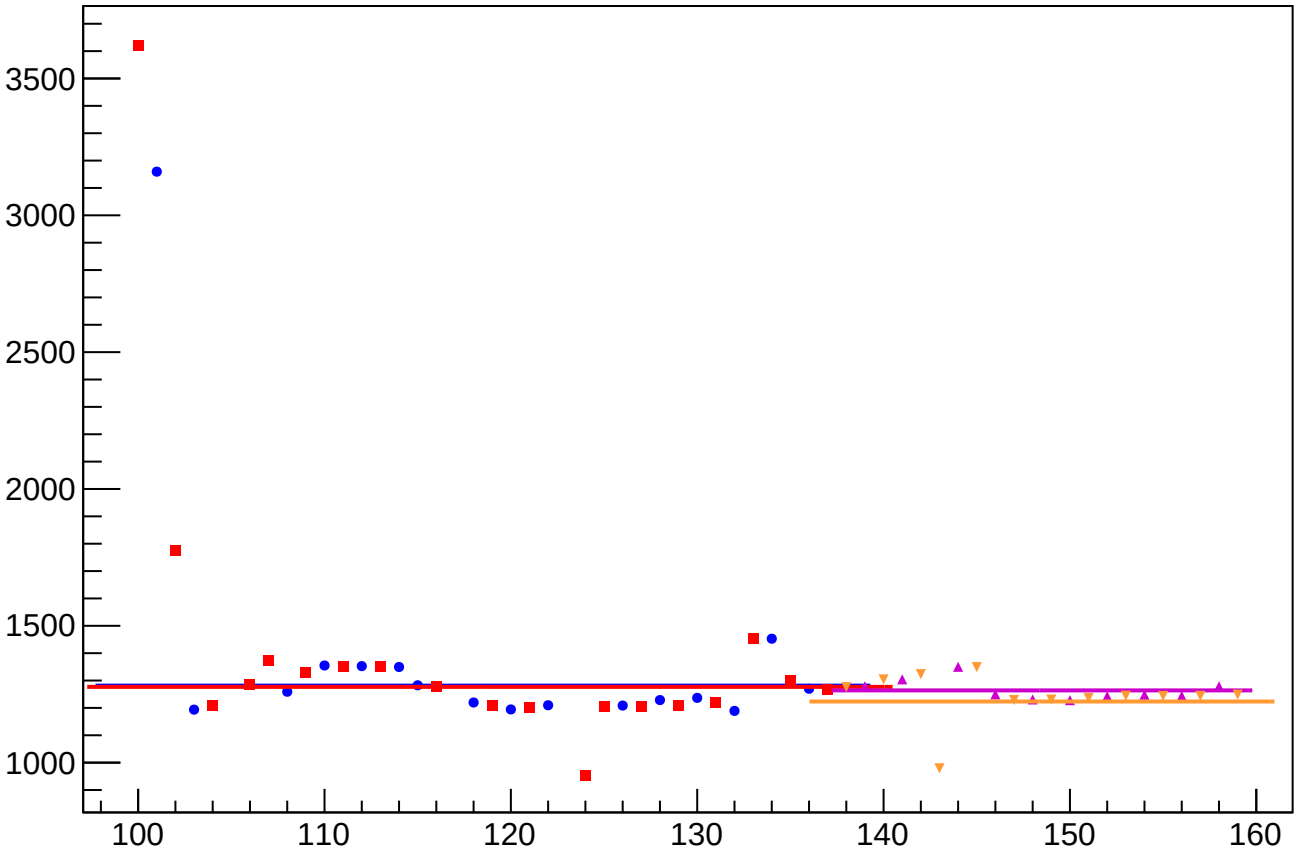
Left: -352.092+/-291.206 χ^2/NDF: 23.9/21

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 56.997+/-321.091 χ^2/NDF:25.5/25

Out: -394.532+/-305.217 χ^2/NDF:34.3/30

All: -180.204+/-221.220 χ^2/NDF: 60.9/56



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1223.370+/-0.281 χ^2/NDF:132023.3/11

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

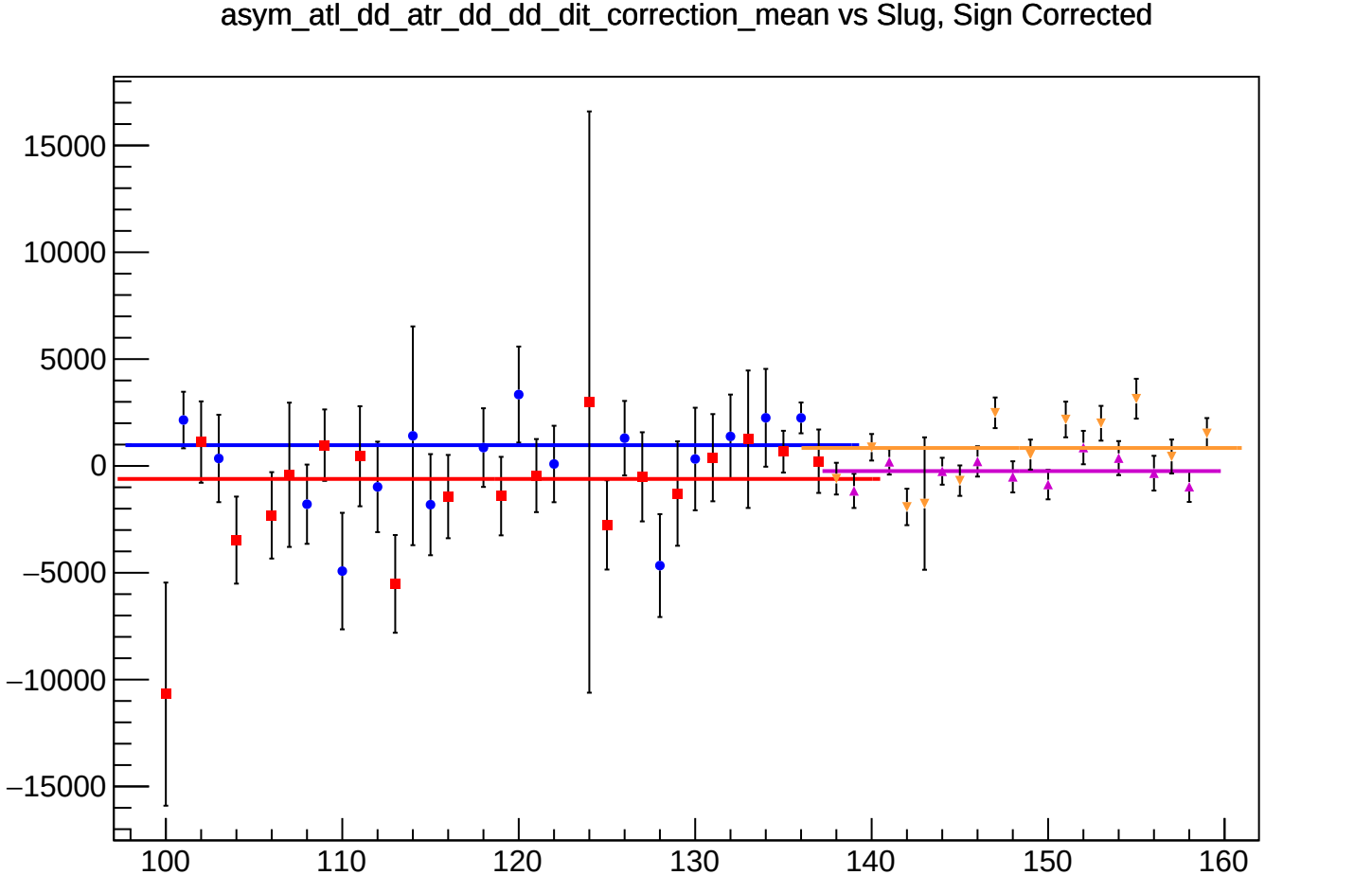
Left: 1242.170+/-0.206 χ^2/NDF: 155449.5/21

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

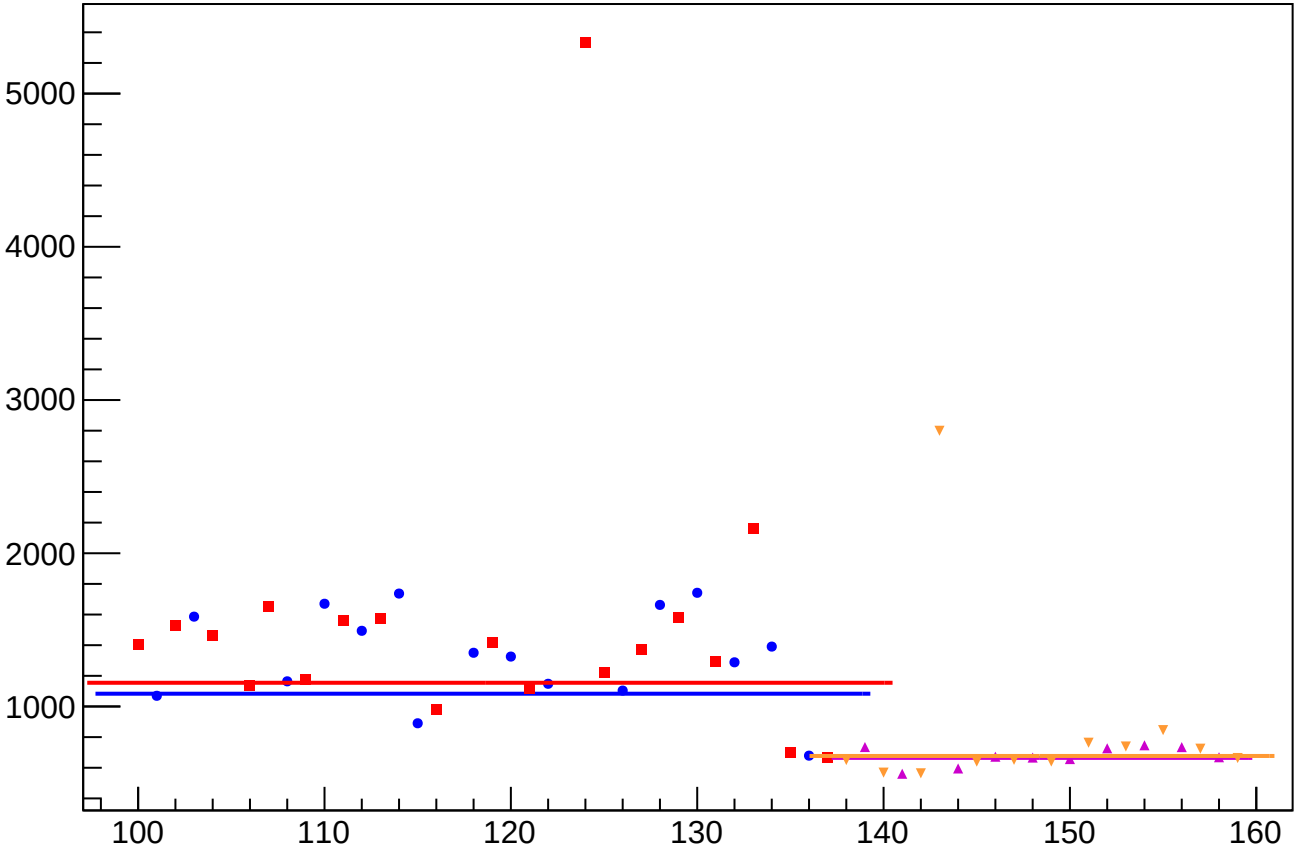
In: 1271.597+/-0.227 χ^2/NDF:522266.3/25

Out: 1245.289+/-0.216 χ^2/NDF:367393.9/30

All: 1257.777+/-0.156 χ^2/NDF: 896713.1/56


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
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 840.509+/-226.776 χ²/NDF:36.8/11
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -240.791+/-226.406 χ²/NDF:6.9/9
Left: 298.977+/-160.224 χ²/NDF: 55.0/21
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 27.154+/-199.844 χ²/NDF:33.6/25
Out: 544.688+/-202.306 χ²/NDF:62.3/30
All: 282.752+/-142.173 χ²/NDF: 99.2/56

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: 677.014+/-0.160 χ^2/NDF:1156302.0/11

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

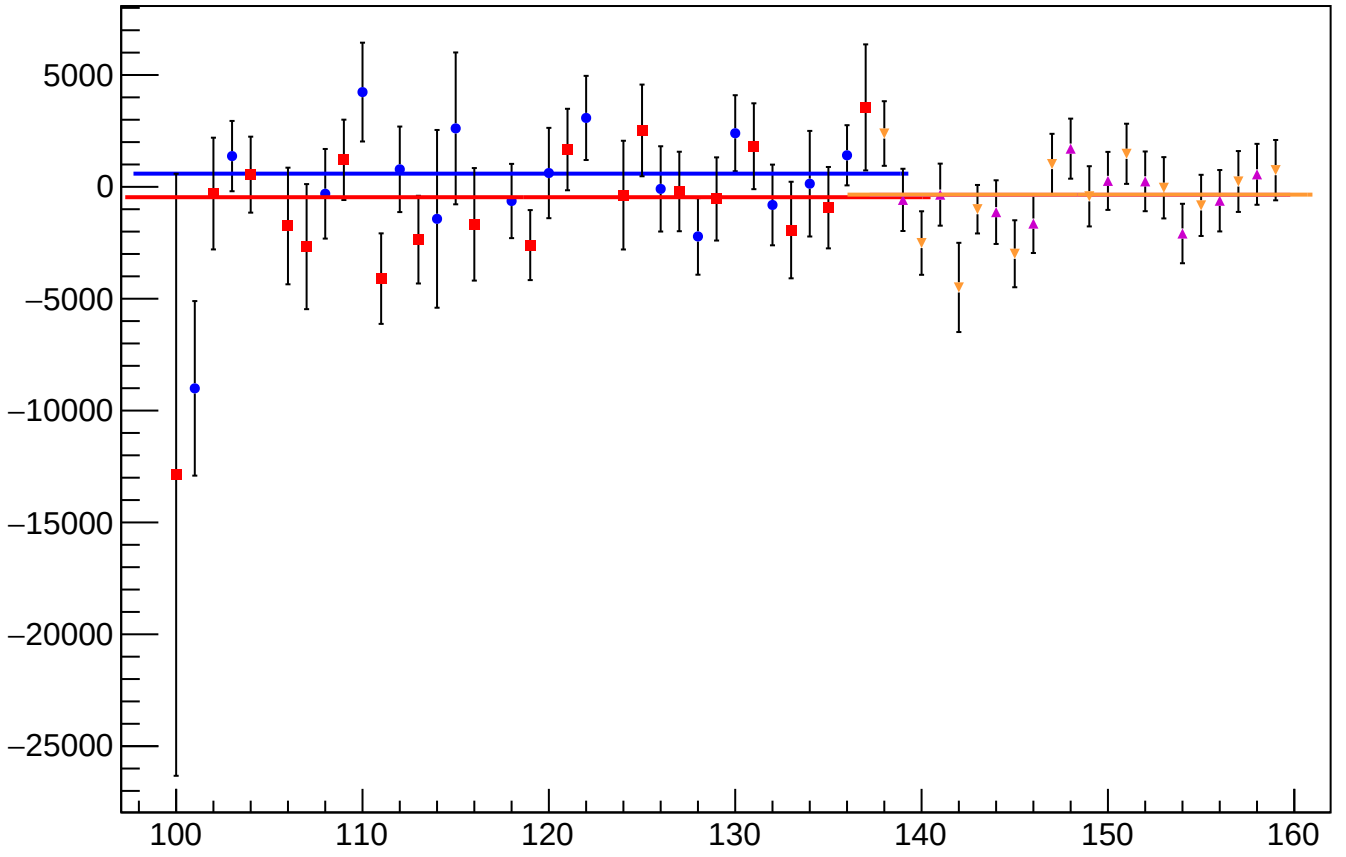
Left: 670.701+/-0.113 χ^2/NDF: 1308359.4/21

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 756.940+/-0.141 χ^2/NDF:3021581.8/25

Out: 774.545+/-0.143 χ^2/NDF:4456541.6/30

All: 765.635+/-0.101 χ^2/NDF: 7485788.6/56



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -347.270+/-397.285 χ^2/NDF:17.6/11

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -357.696+/-428.095 χ^2/NDF:6.3/9

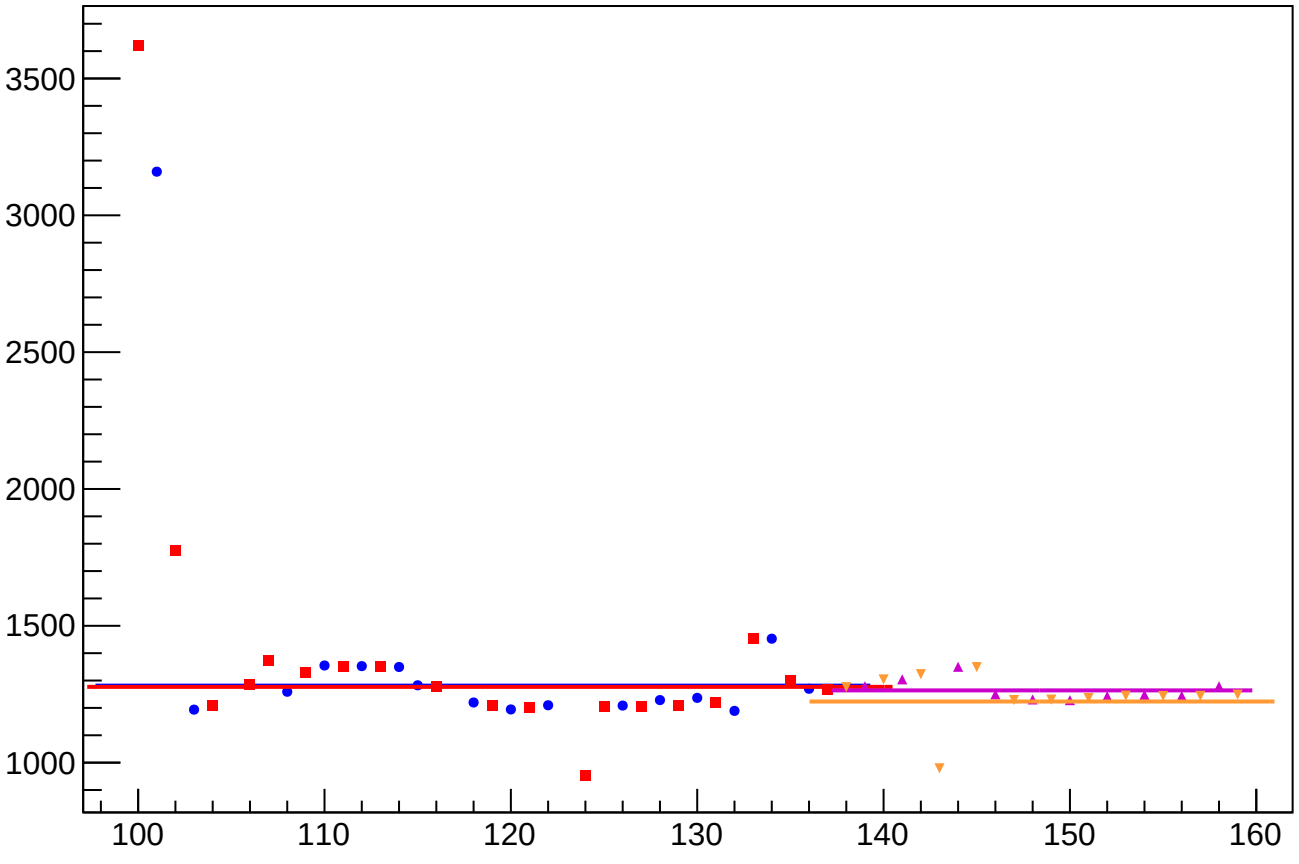
Left: -352.094+/-291.206 χ^2/NDF: 23.9/21

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 56.996+/-321.091 χ^2/NDF:25.5/25

Out: -394.532+/-305.217 χ^2/NDF:34.3/30

All: -180.205+/-221.220 χ^2/NDF: 60.9/56



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1223.370+/-0.281 χ^2/NDF:132022.6/11

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

Left: 1242.170+/-0.206 χ^2/NDF: 155448.8/21

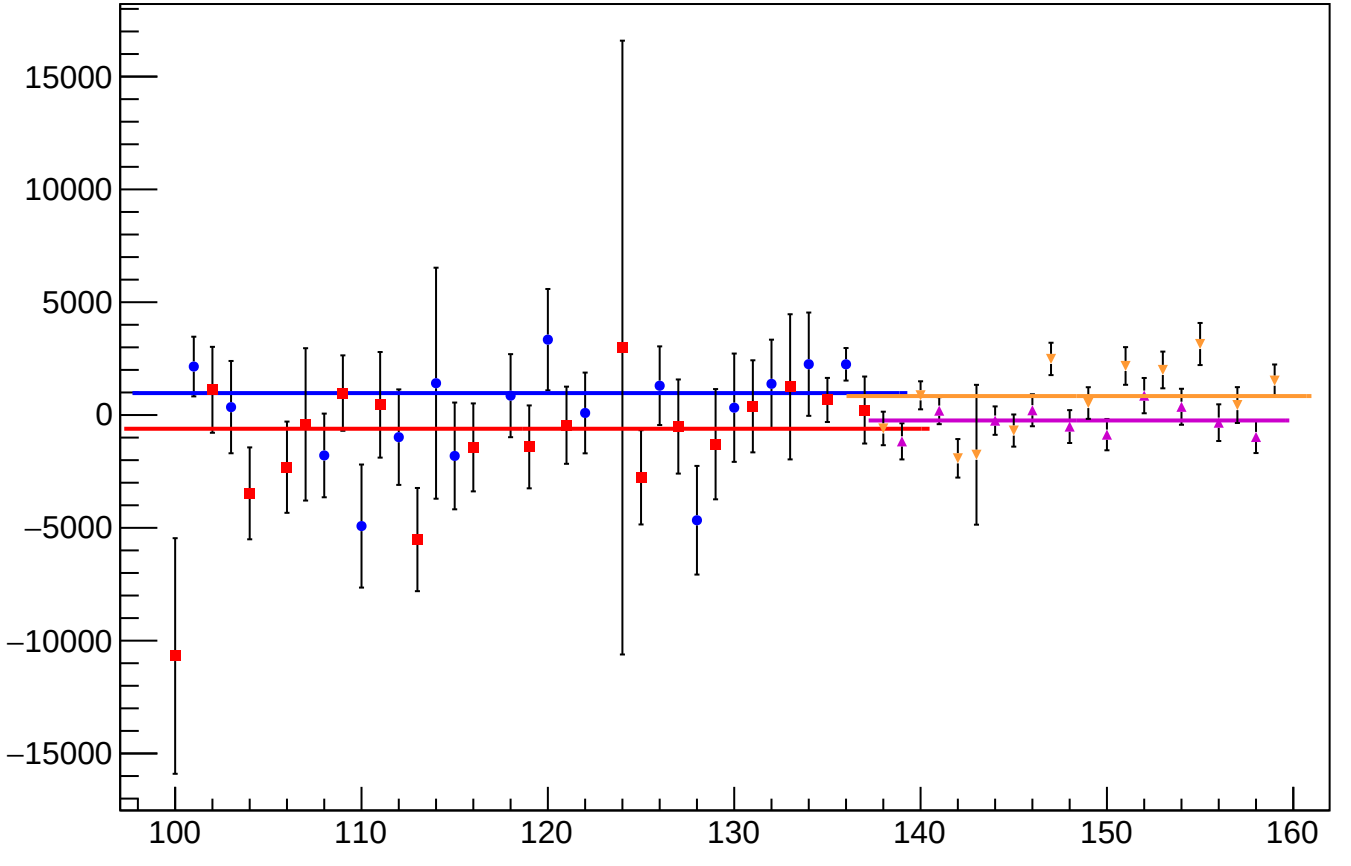
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.5/25

Out: 1245.289+/-0.216 χ^2/NDF:367392.9/30

All: 1257.777+/-0.156 χ^2/NDF: 896712.2/56

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 840.512+/-226.776 χ^2/NDF:36.8/11

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -240.790+/-226.406 χ^2/NDF:6.9/9

Left: 298.977+/-160.224 χ^2/NDF: 55.0/21

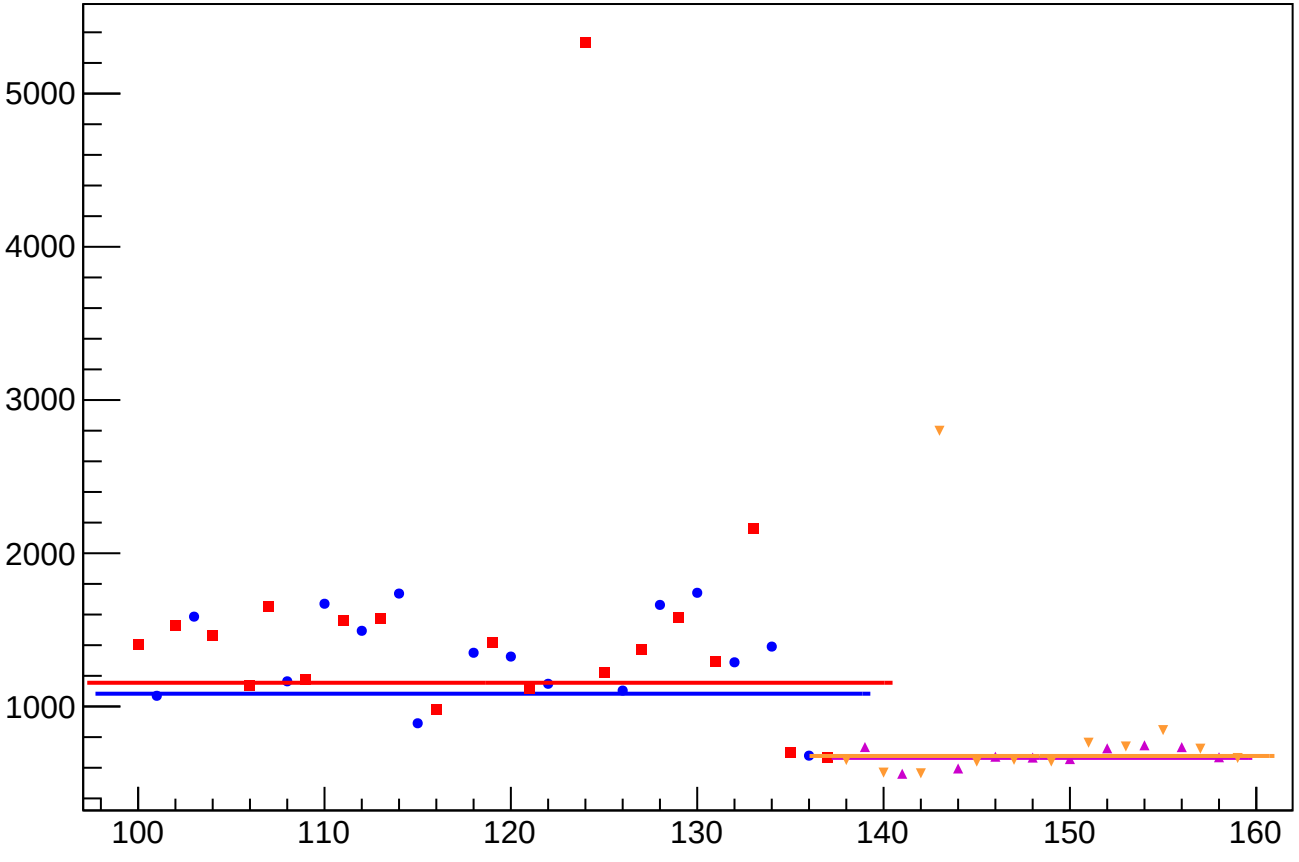
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 27.151+/-199.844 χ^2/NDF:33.6/25

Out: 544.690+/-202.307 χ^2/NDF:62.3/30

All: 282.751+/-142.174 χ^2/NDF: 99.2/56

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: 677.016+/-0.160 χ^2/NDF:1156293.5/11

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

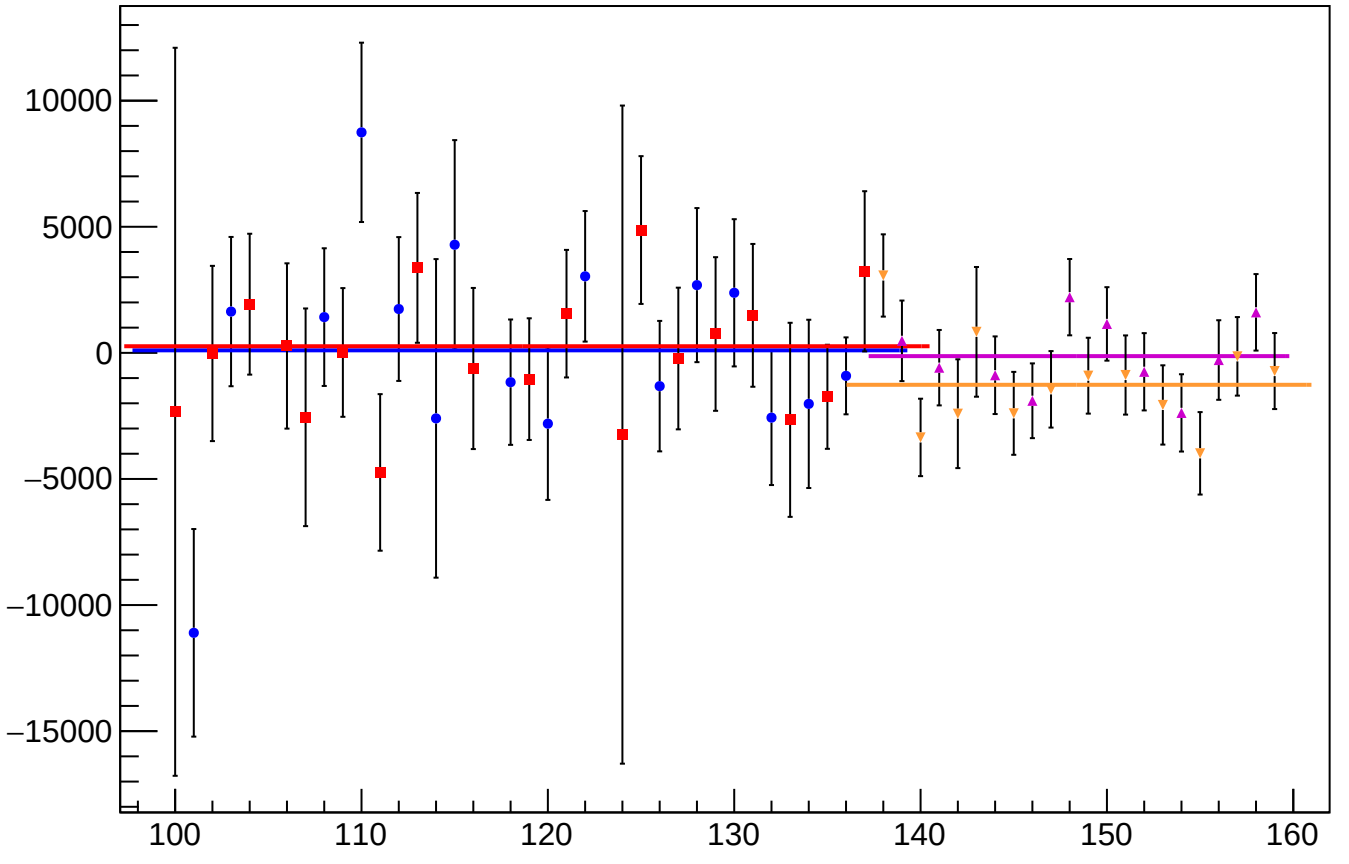
Left: 670.702+/-0.113 χ^2/NDF: 1308353.9/21

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 756.941+/-0.141 χ^2/NDF:3021562.9/25

Out: 774.548+/-0.143 χ^2/NDF:4456507.5/30

All: 765.637+/-0.101 χ^2/NDF: 7485737.0/56



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1266.381+/-474.074 χ^2/NDF:14.1/11

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -129.264+/-481.560 χ^2/NDF:8.7/9

Left: -706.730+/-337.836 χ^2/NDF: 25.7/21

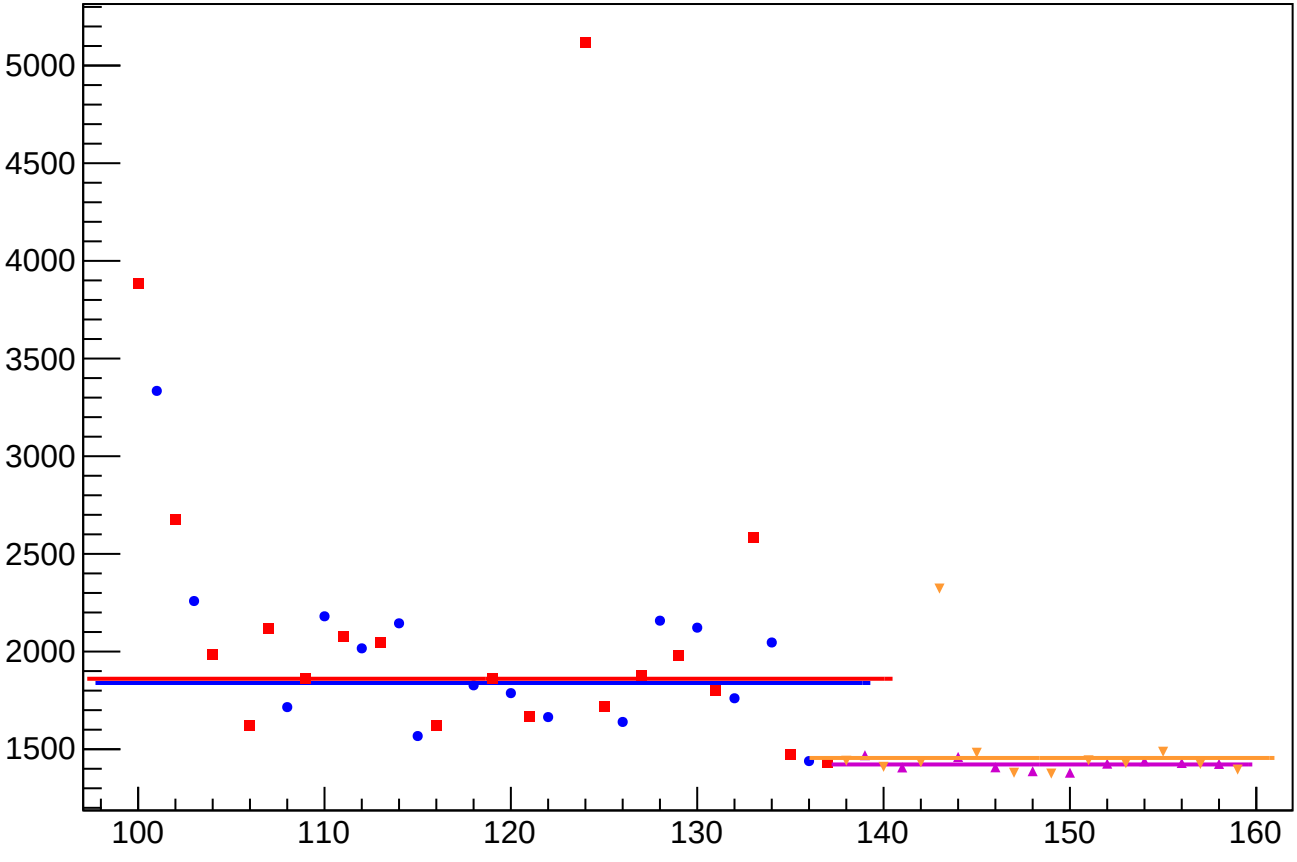
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -55.326+/-396.558 χ^2/NDF:30.1/25

Out: -785.305+/-392.477 χ^2/NDF:27.7/30

All: -424.091+/-278.955 χ^2/NDF: 59.5/56

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1455.282+/-0.335 χ^2/NDF:246013.1/11

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

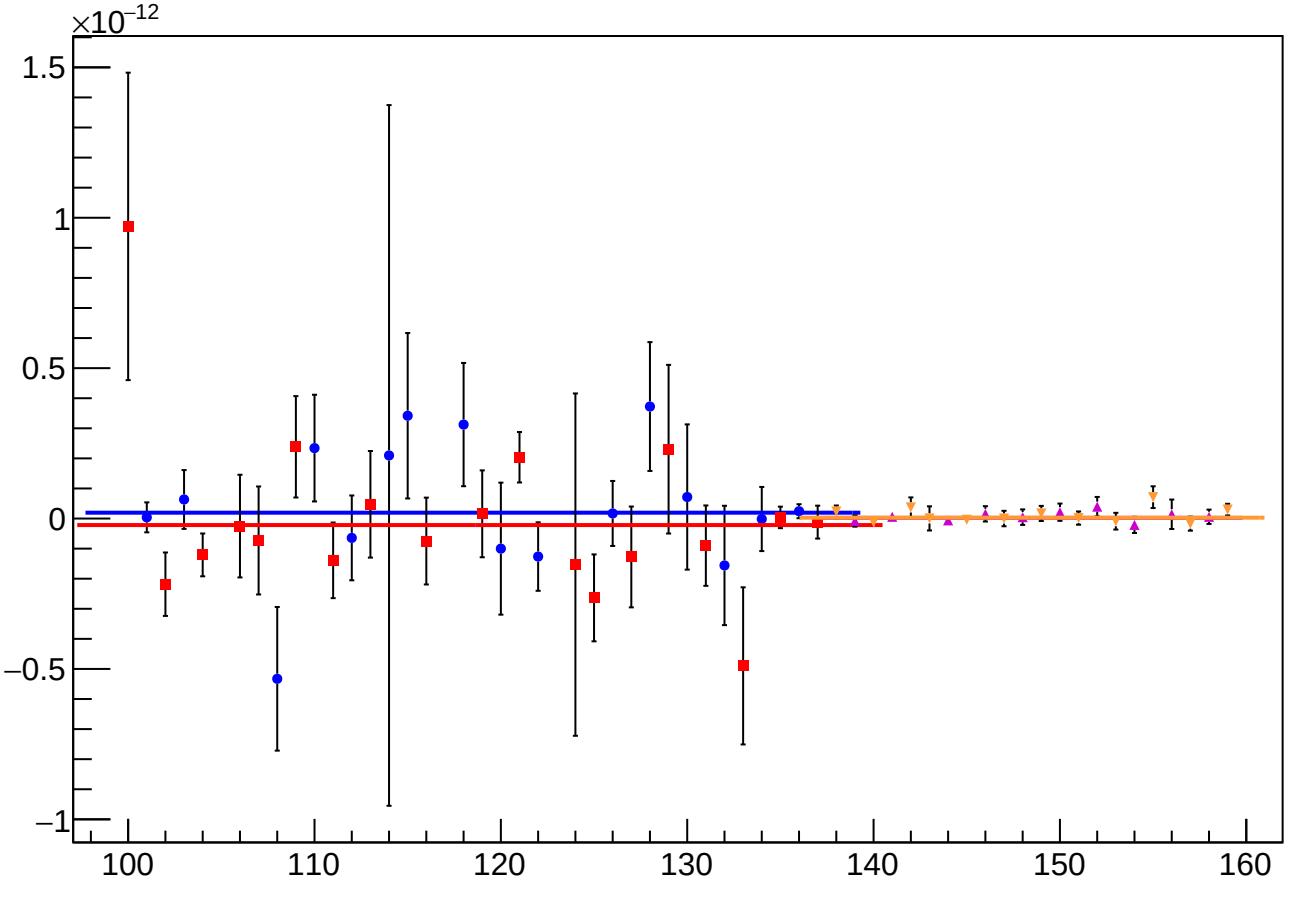
Left: 1438.912+/-0.239 χ^2/NDF: 257264.2/21

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1556.270+/-0.280 χ^2/NDF:1046052.7/25

Out: 1582.850+/-0.278 χ^2/NDF:1228427.5/30

All: 1569.698+/-0.197 χ^2/NDF: 2279019.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/9

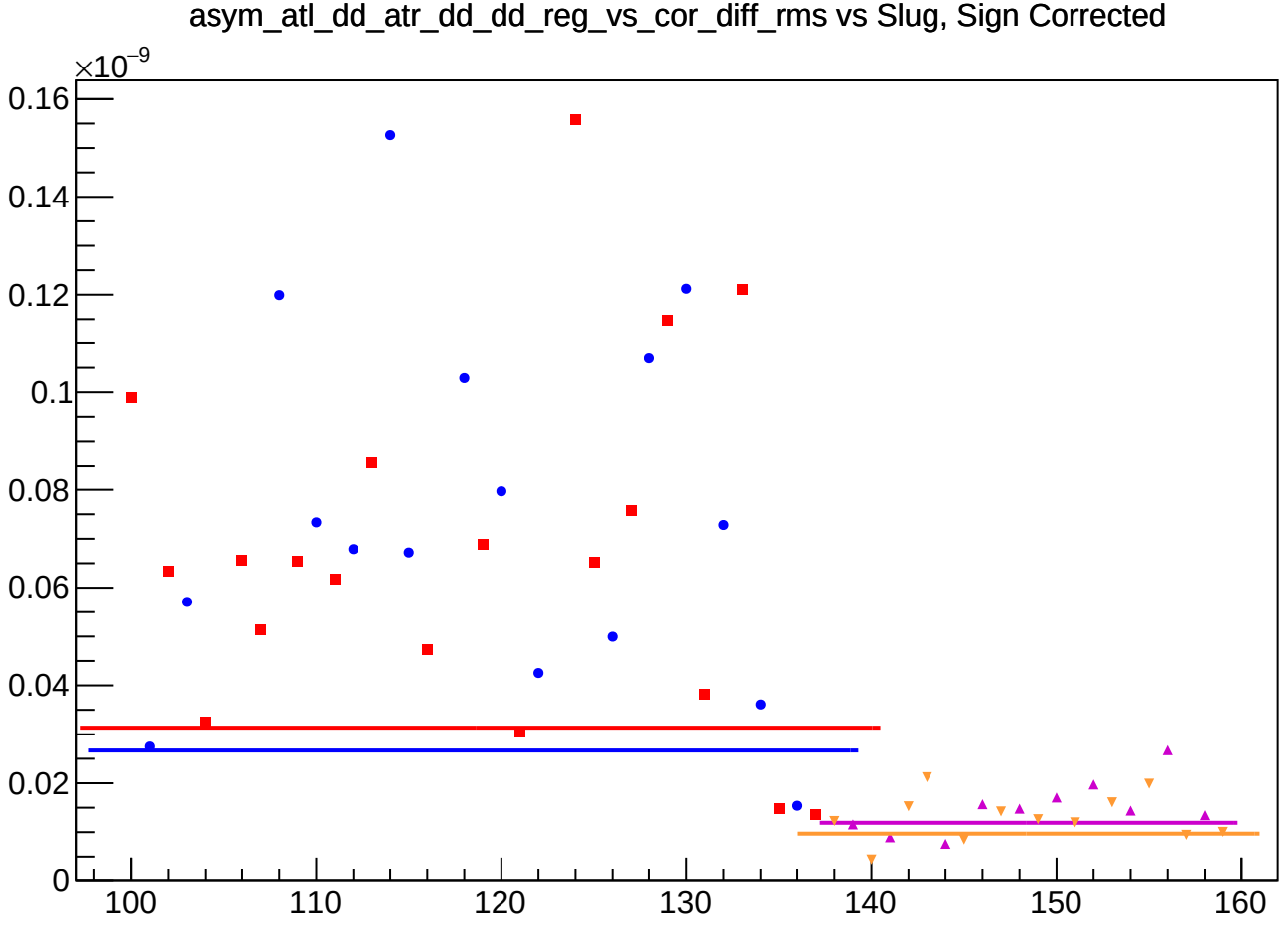
Left: 0.000+/-0.000 χ^2/NDF: 14.7/21

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/25

Out: 0.000+/-0.000 χ^2/NDF:40.4/30

All: 0.000+/-0.000 χ^2/NDF: 61.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136859.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1994073.8/21

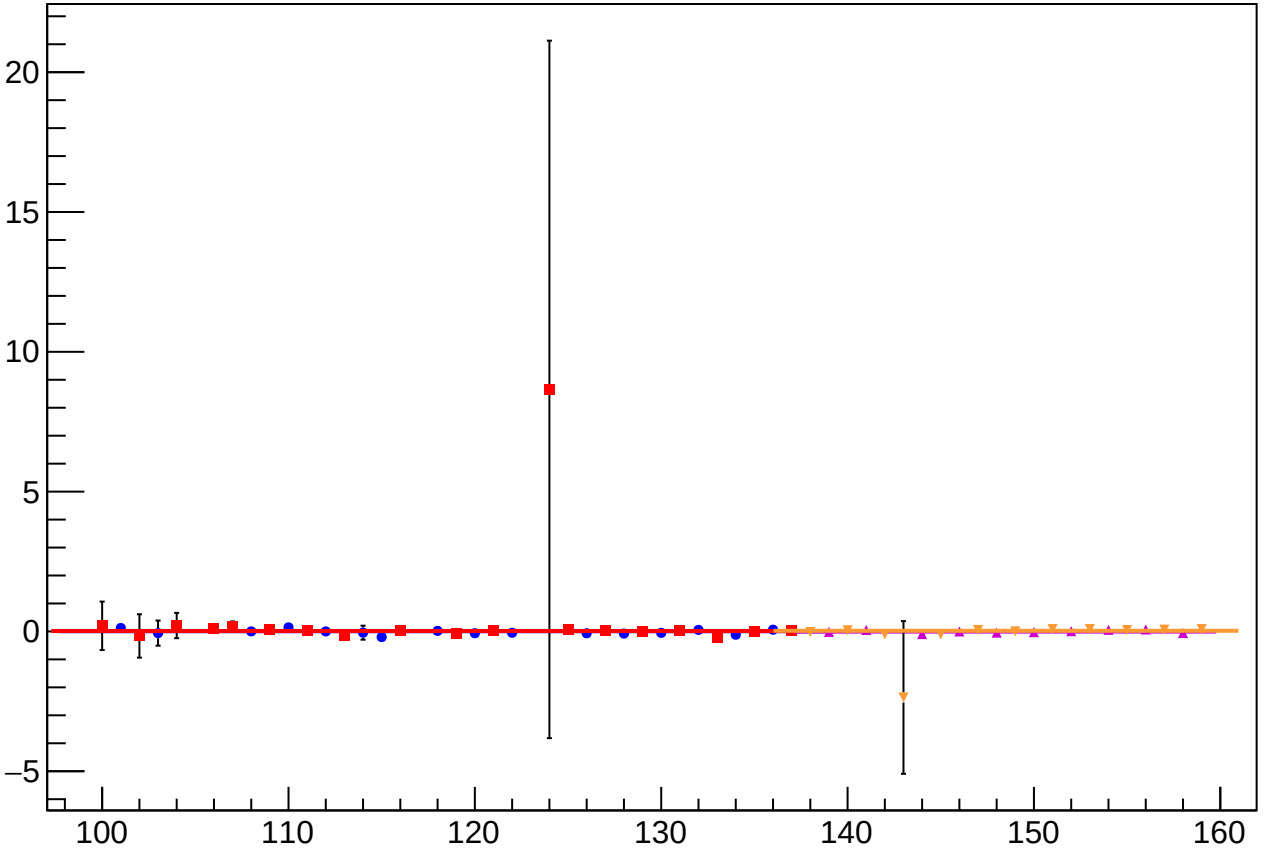
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4405200.7/25

Out: 0.000+/-0.000 χ^2/NDF:5175024.1/30

All: 0.000+/-0.000 χ^2/NDF: 9756084.0/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

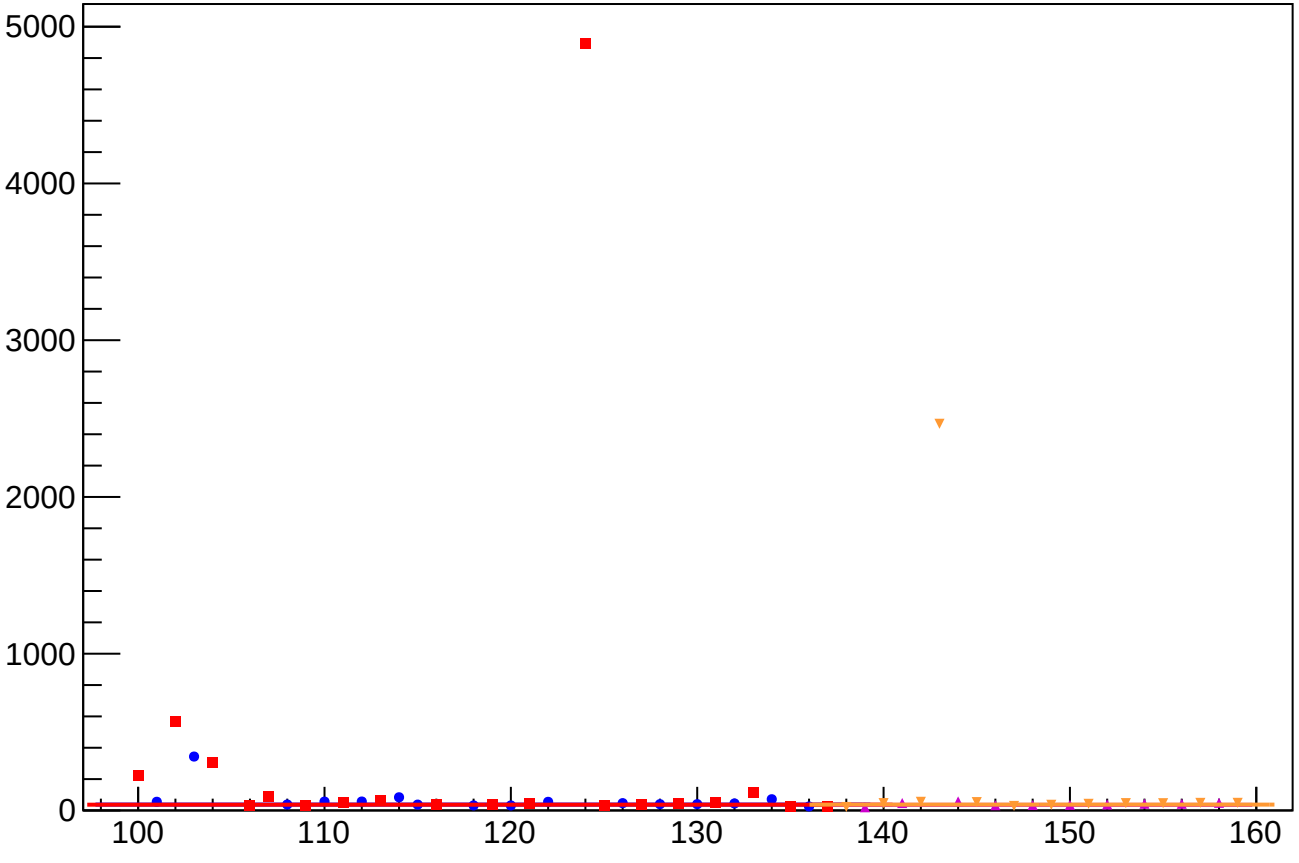
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

Left: 36.407+/-0.007 χ^2/NDF: 4081338.1/21

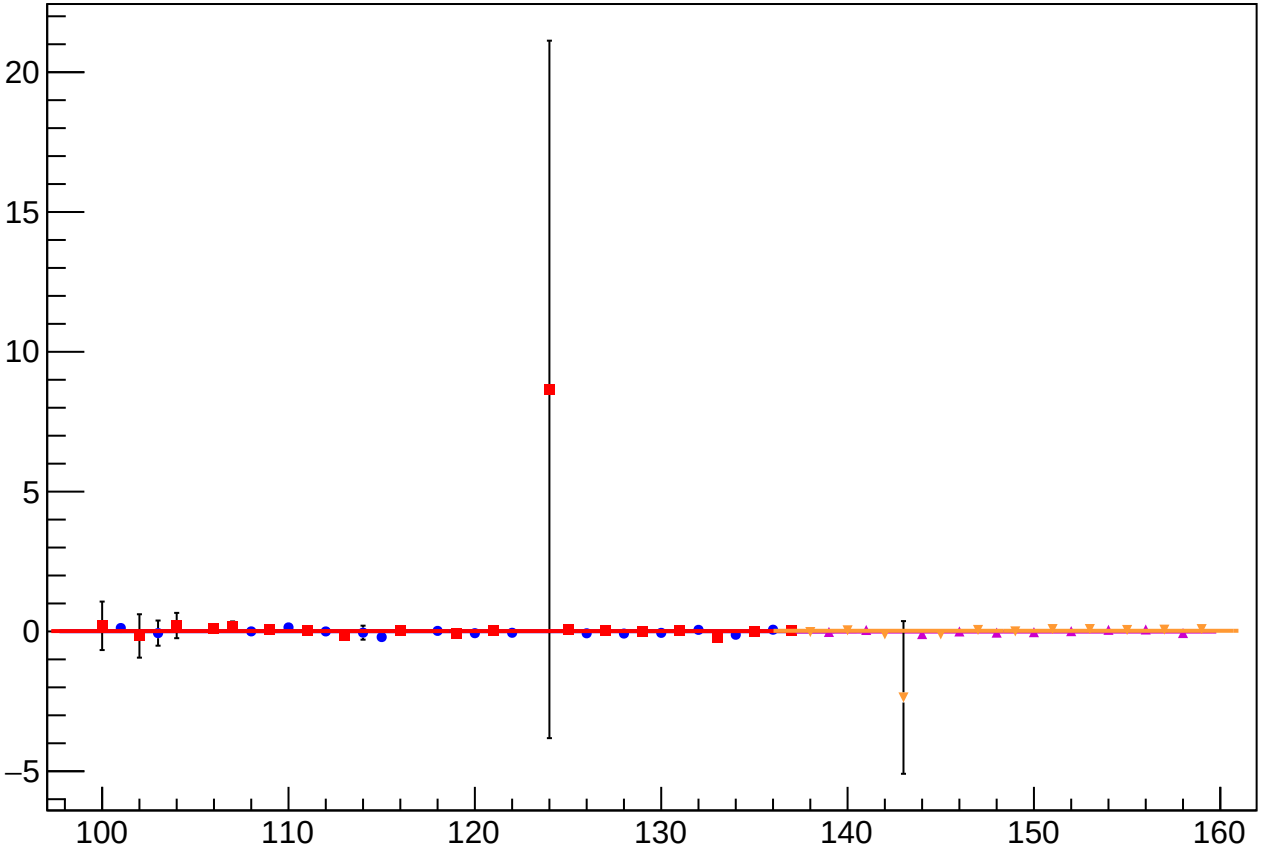
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

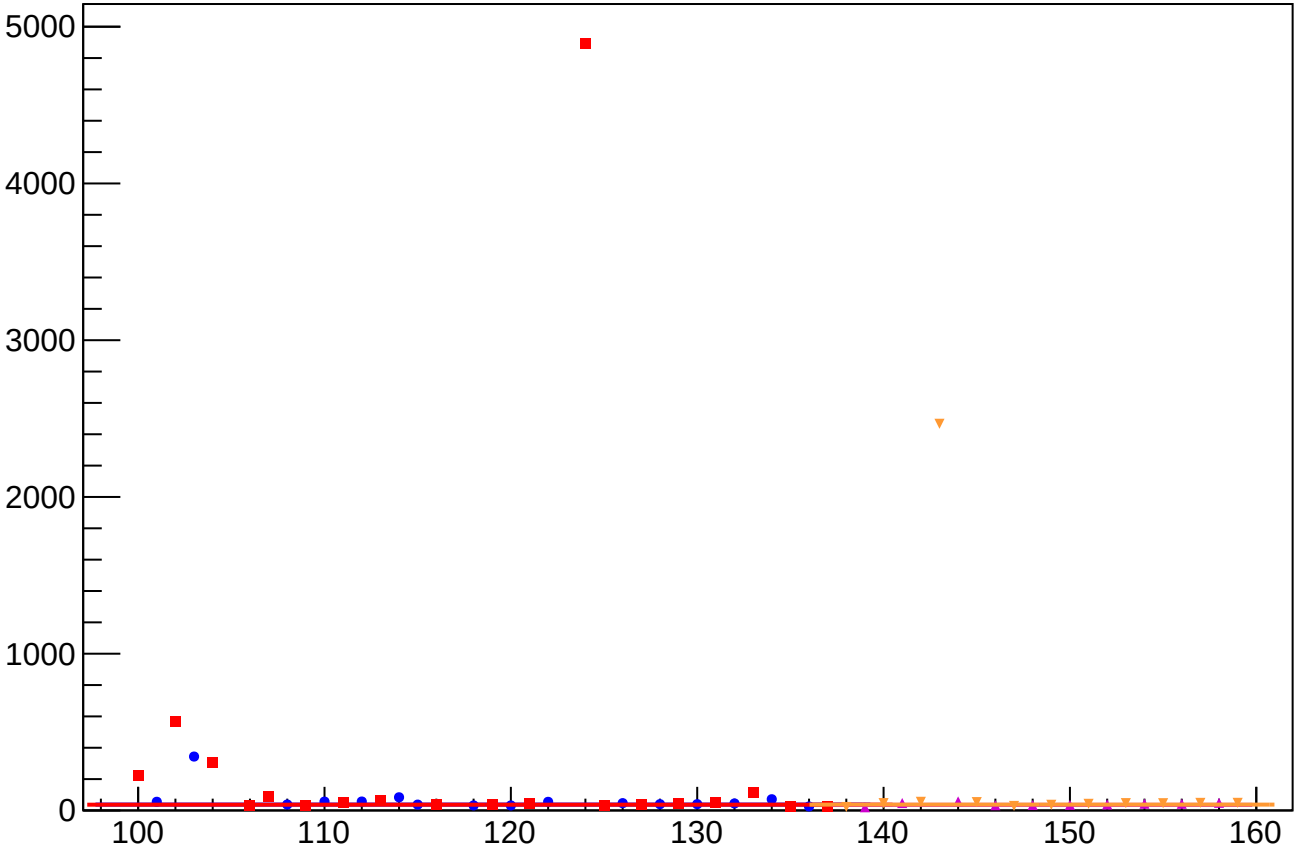
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

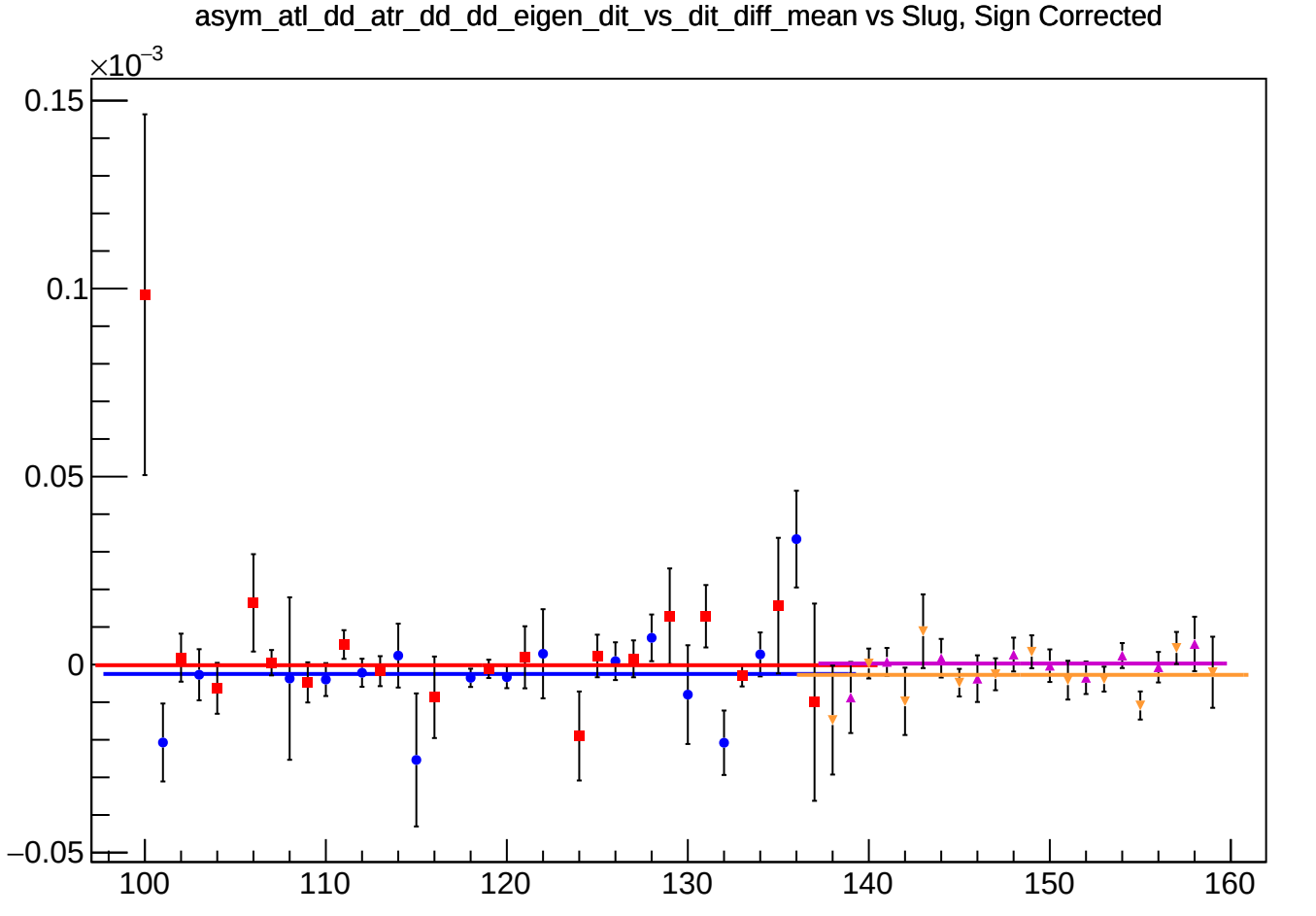
Left: 36.407+/-0.007 χ^2/NDF: 4081338.1/21

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

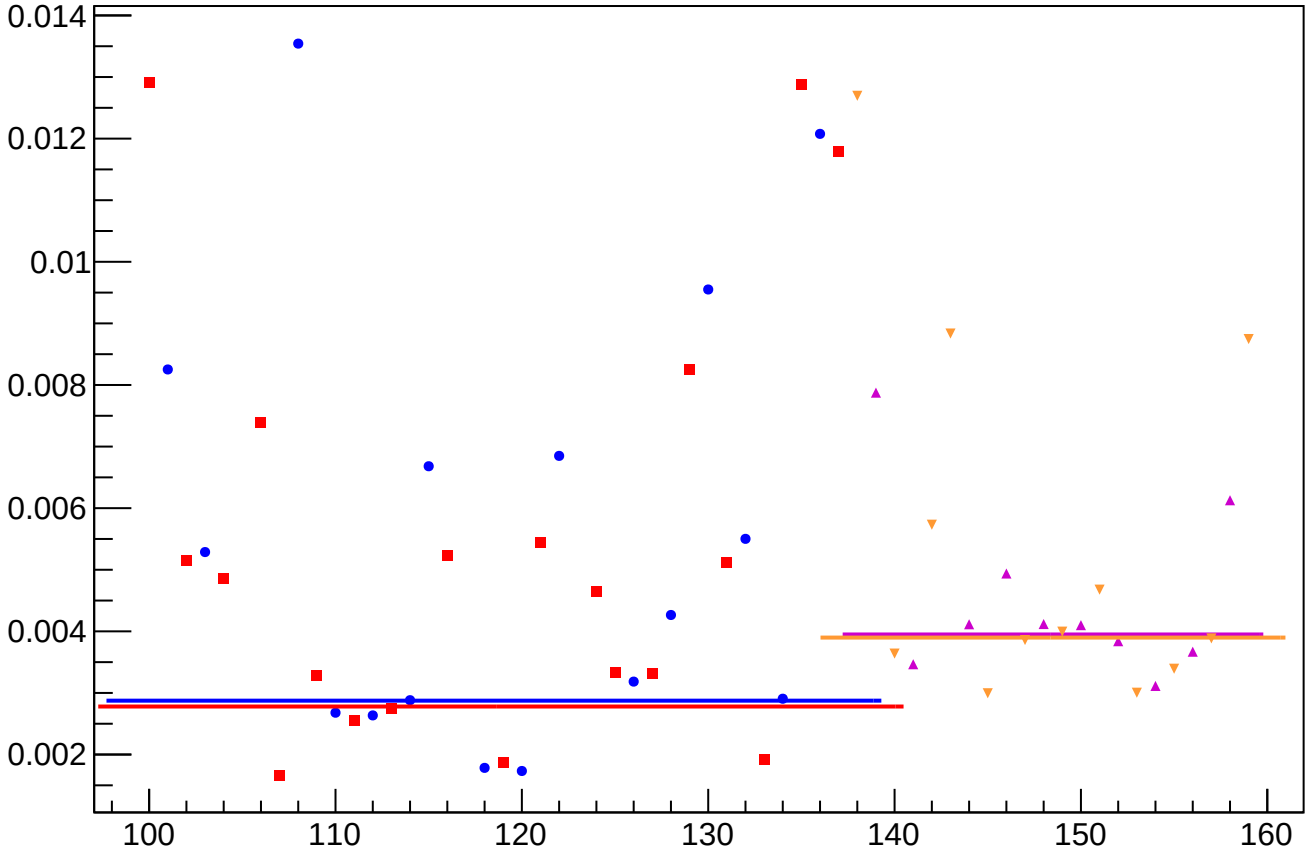
Left: -0.000+/-0.000 χ^2/NDF: 19.1/21

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: -0.000+/-0.000 χ^2/NDF:34.2/30

All: -0.000+/-0.000 χ^2/NDF: 61.6/56



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2211952.3/11

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

Left: 0.004+/-0.000 χ^2/NDF: 2968973.6/21

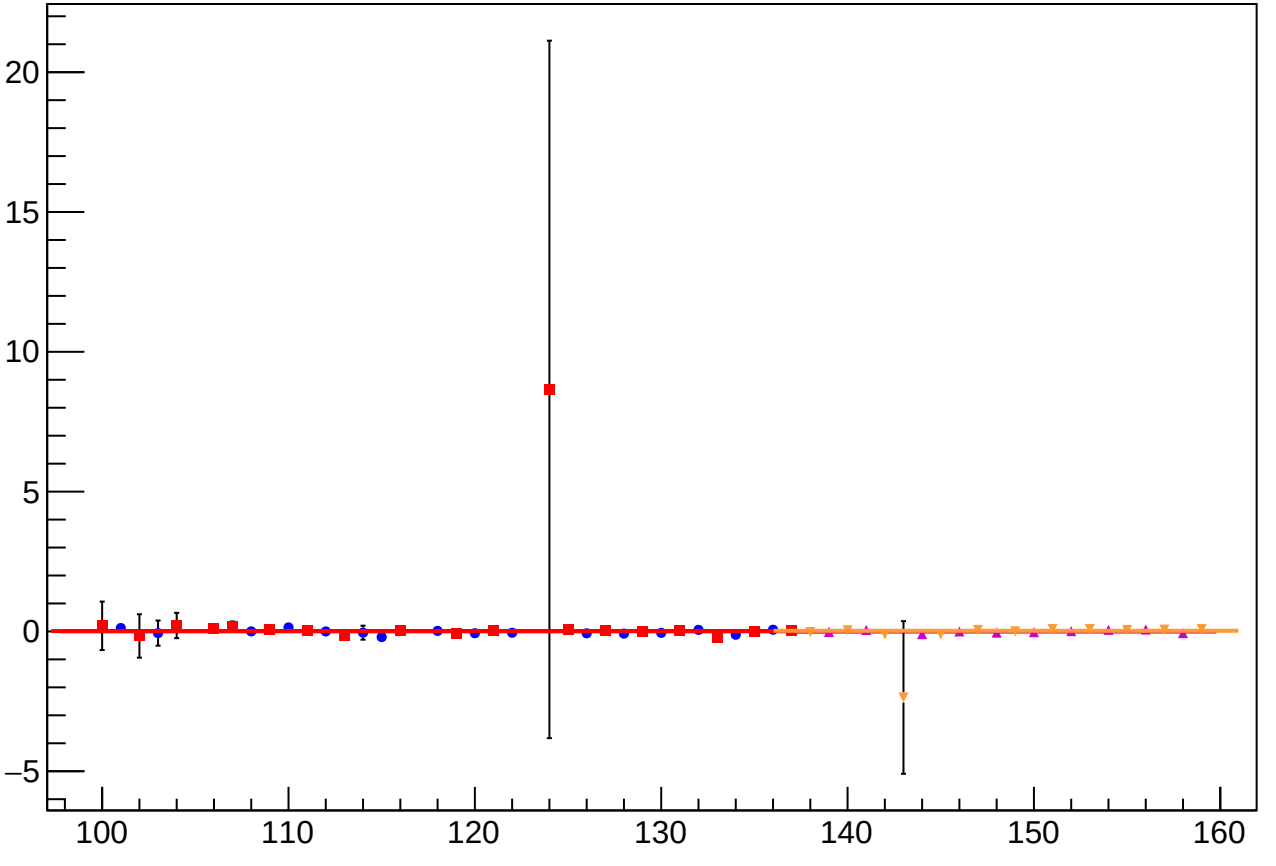
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5514272.4/25

Out: 0.003+/-0.000 χ^2/NDF:6298746.0/30

All: 0.003+/-0.000 χ^2/NDF: 11824246.2/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

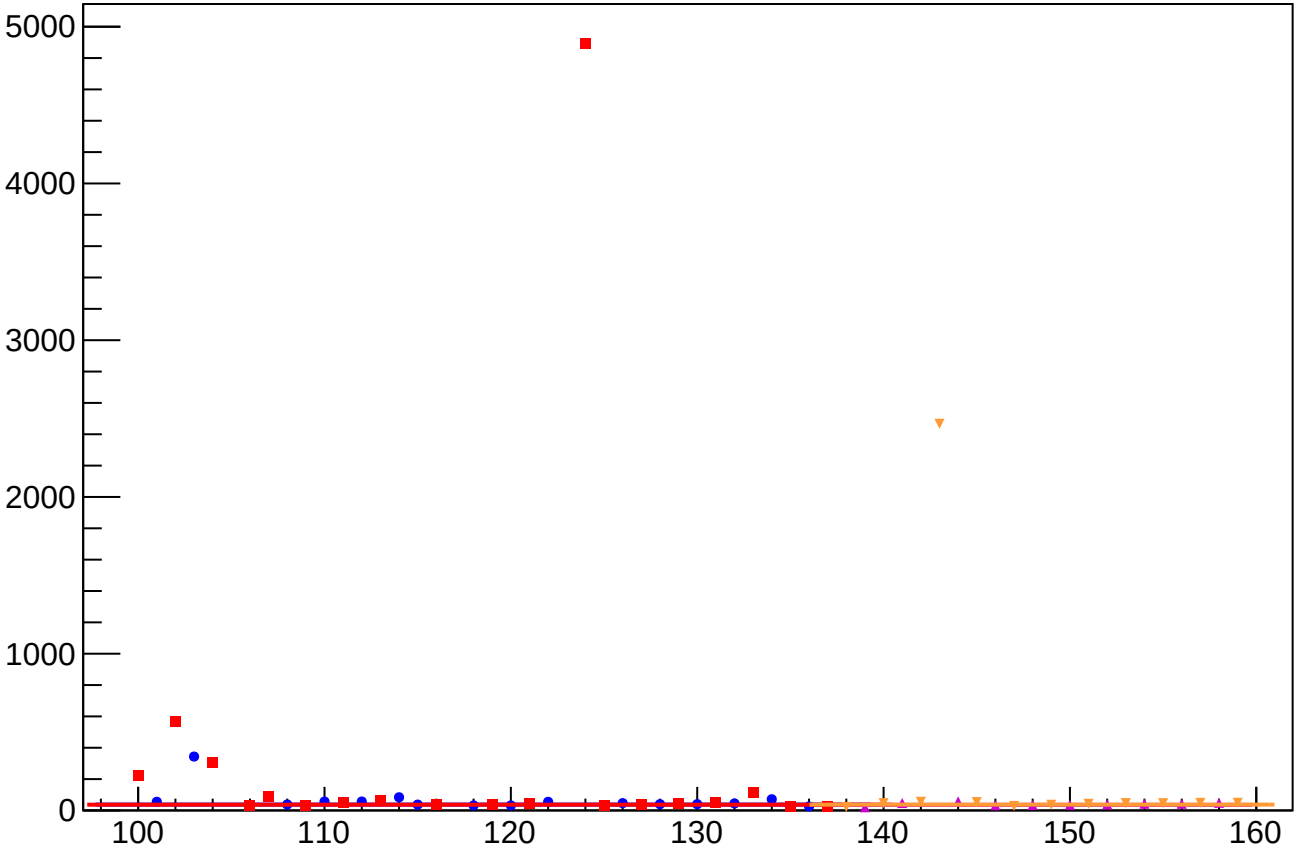
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

Left: 36.408+/-0.007 χ^2/NDF: 4080854.2/21

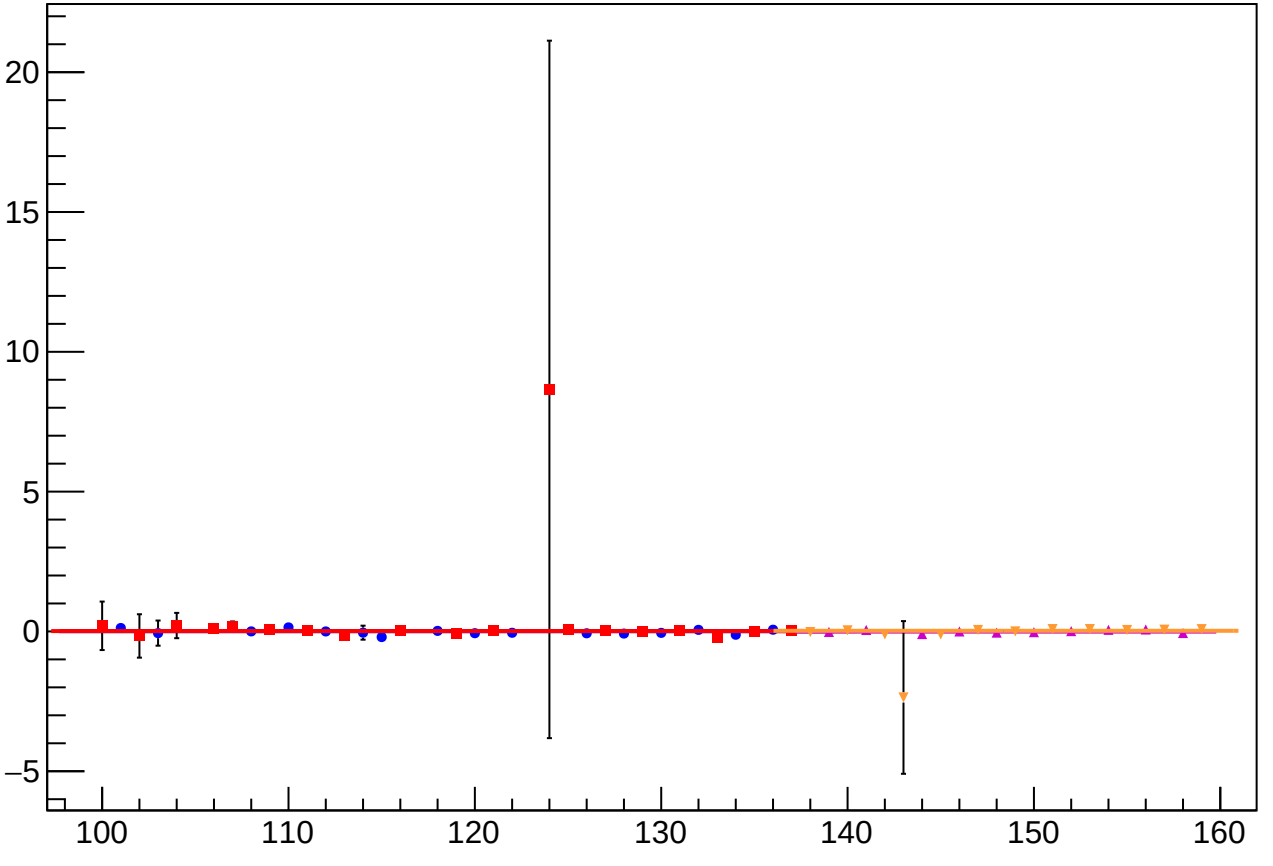
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

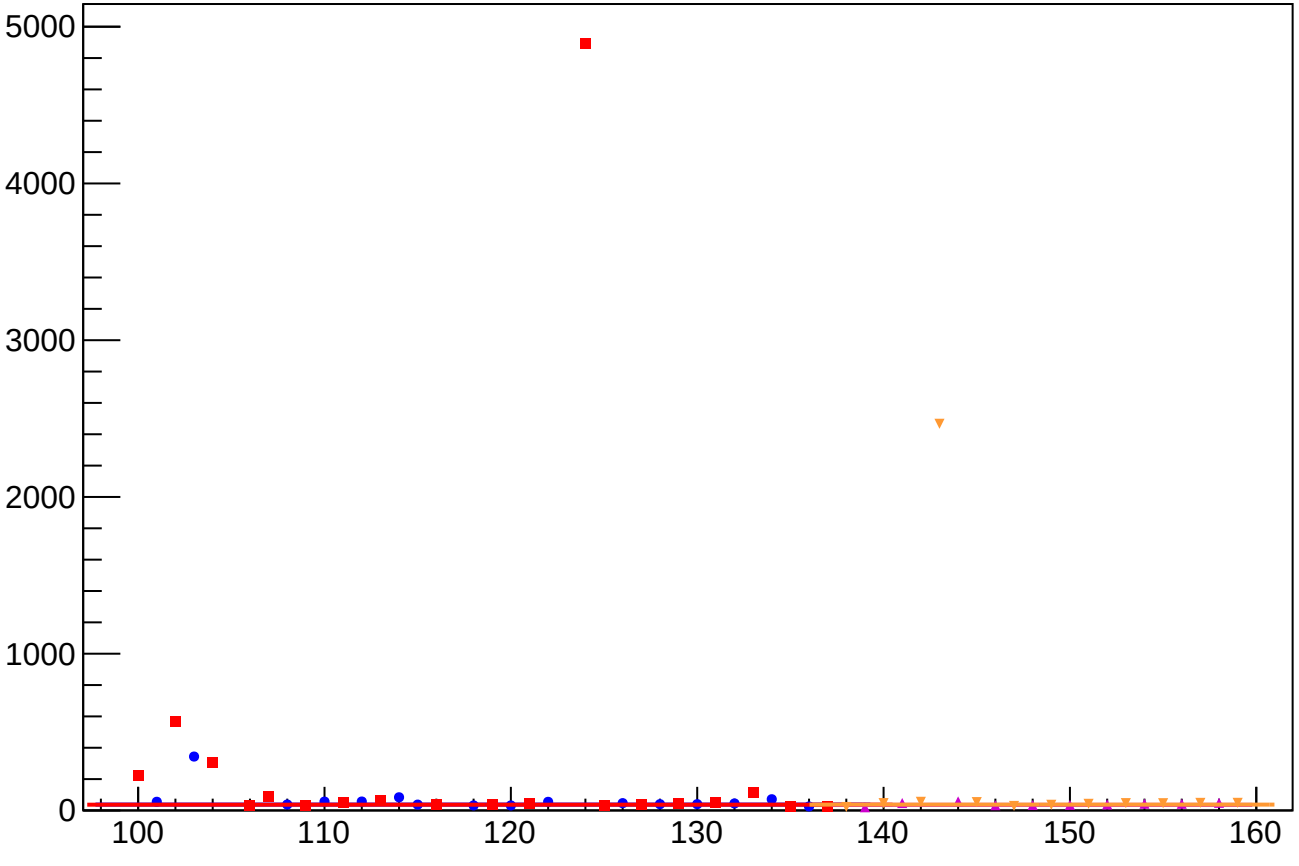
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

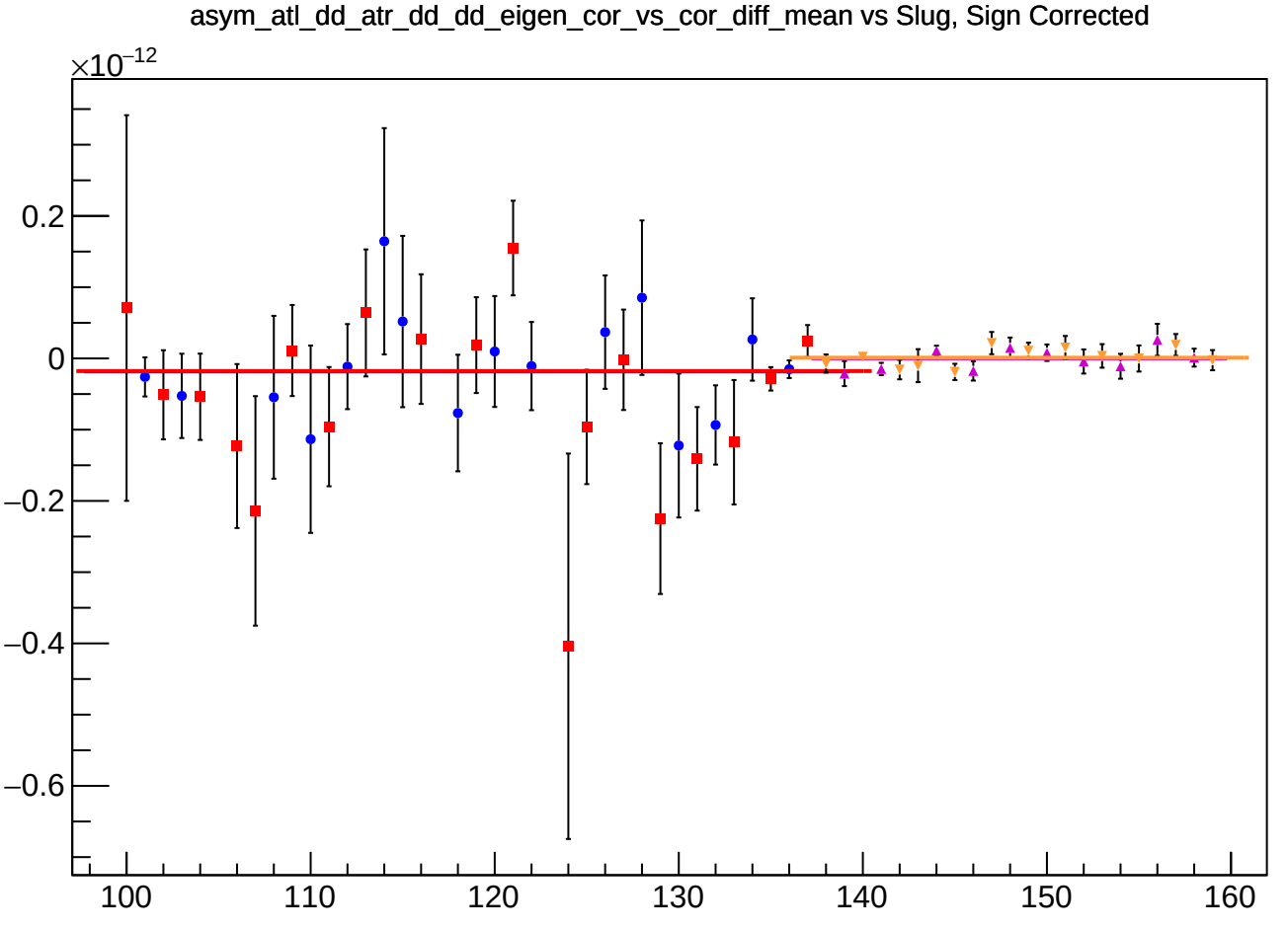
Left: 36.408+/-0.007 χ^2/NDF: 4080854.2/21

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

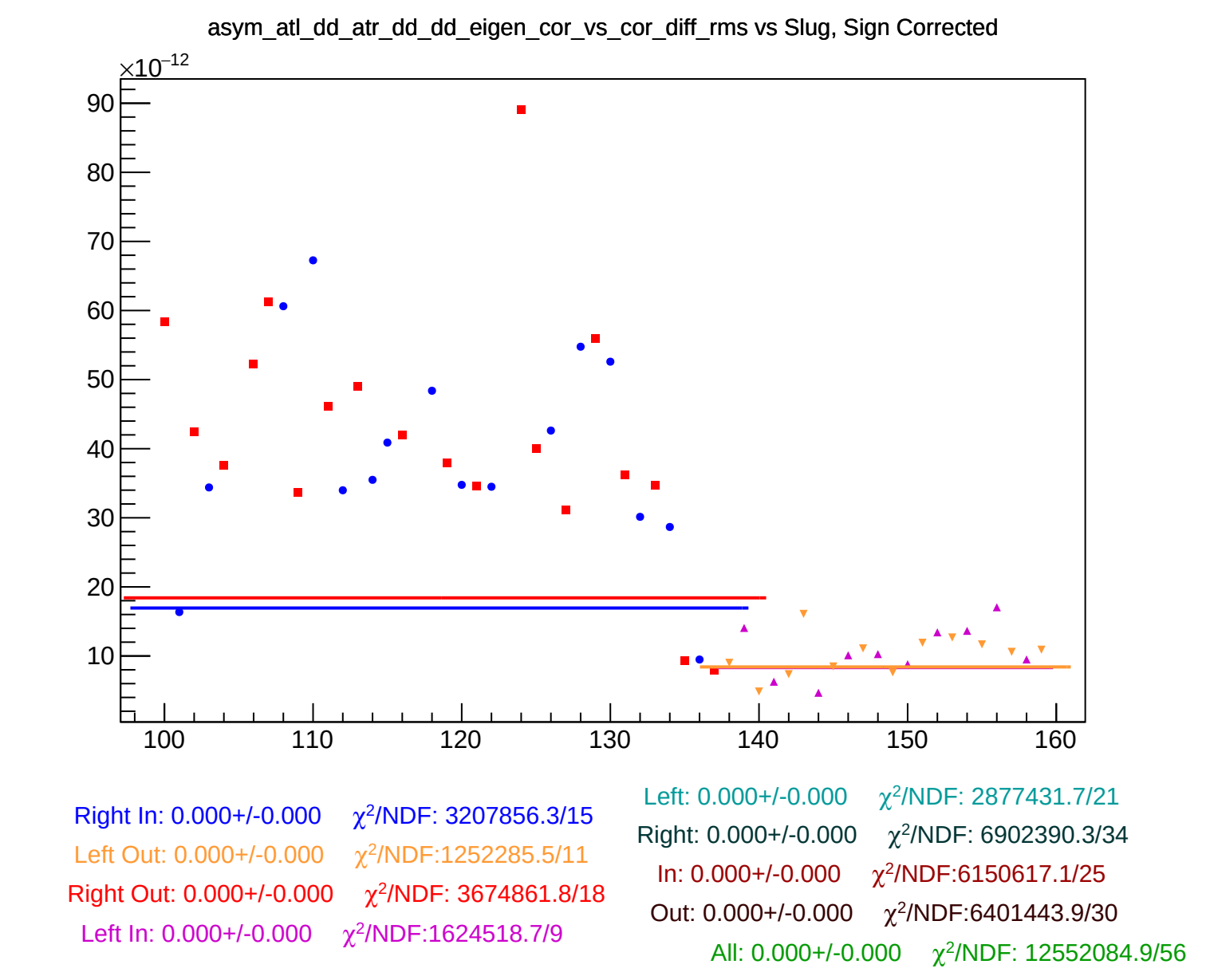
Left: 0.000+/-0.000 χ^2/NDF: 21.8/21

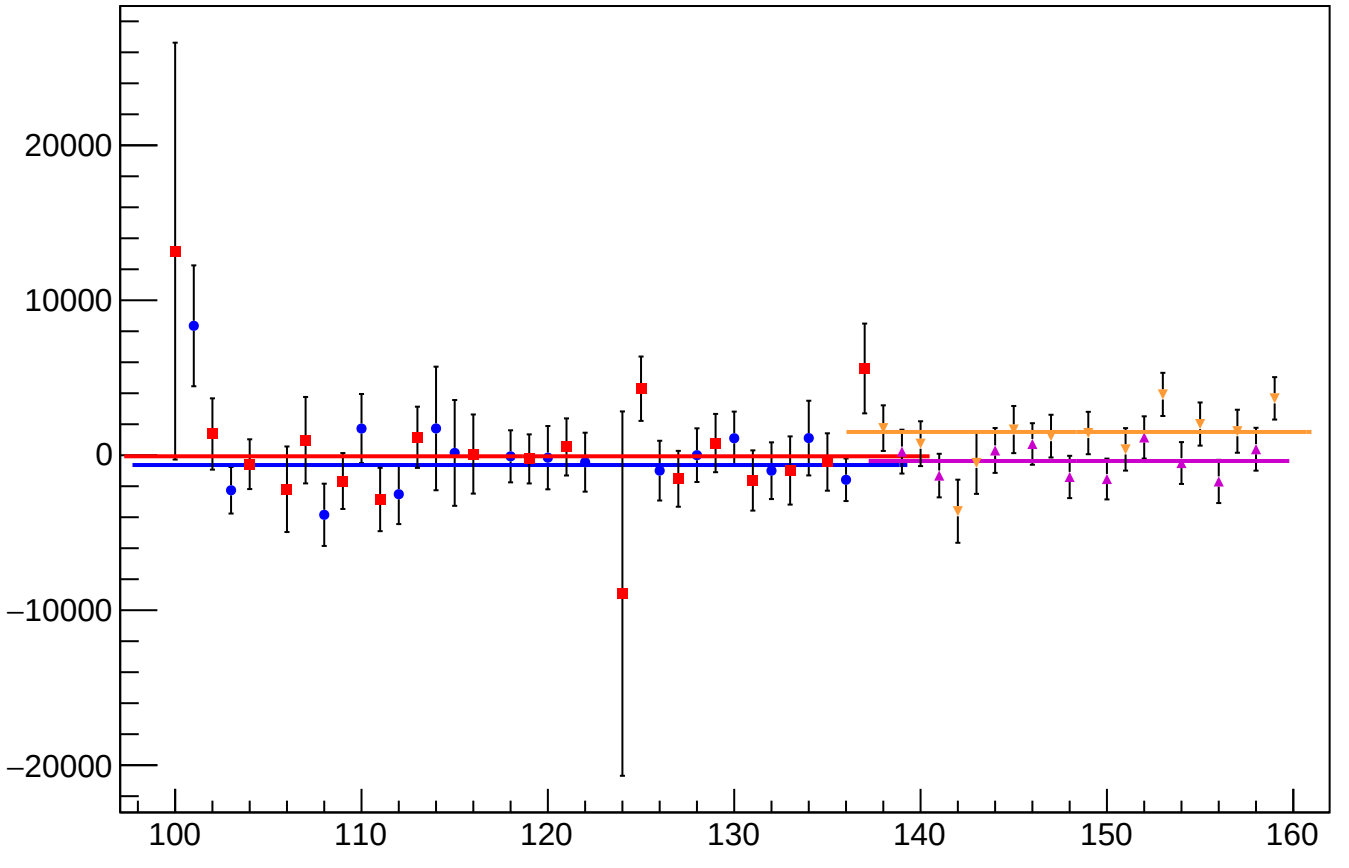
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.0/25

Out: -0.000+/-0.000 χ^2/NDF:39.8/30

All: -0.000+/-0.000 χ^2/NDF: 63.0/56


asym_atl_dd_atr_dd_dd_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1252285.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1624518.7/9
Left: 0.000+/-0.000 χ²/NDF: 2877431.7/21
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6150617.1/25
Out: 0.000+/-0.000 χ²/NDF:6401443.9/30
All: 0.000+/-0.000 χ²/NDF: 12552084.9/56



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.699+/-424.834 χ^2/NDF:14.0/11

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -370.992+/-435.347 χ^2/NDF:5.3/9

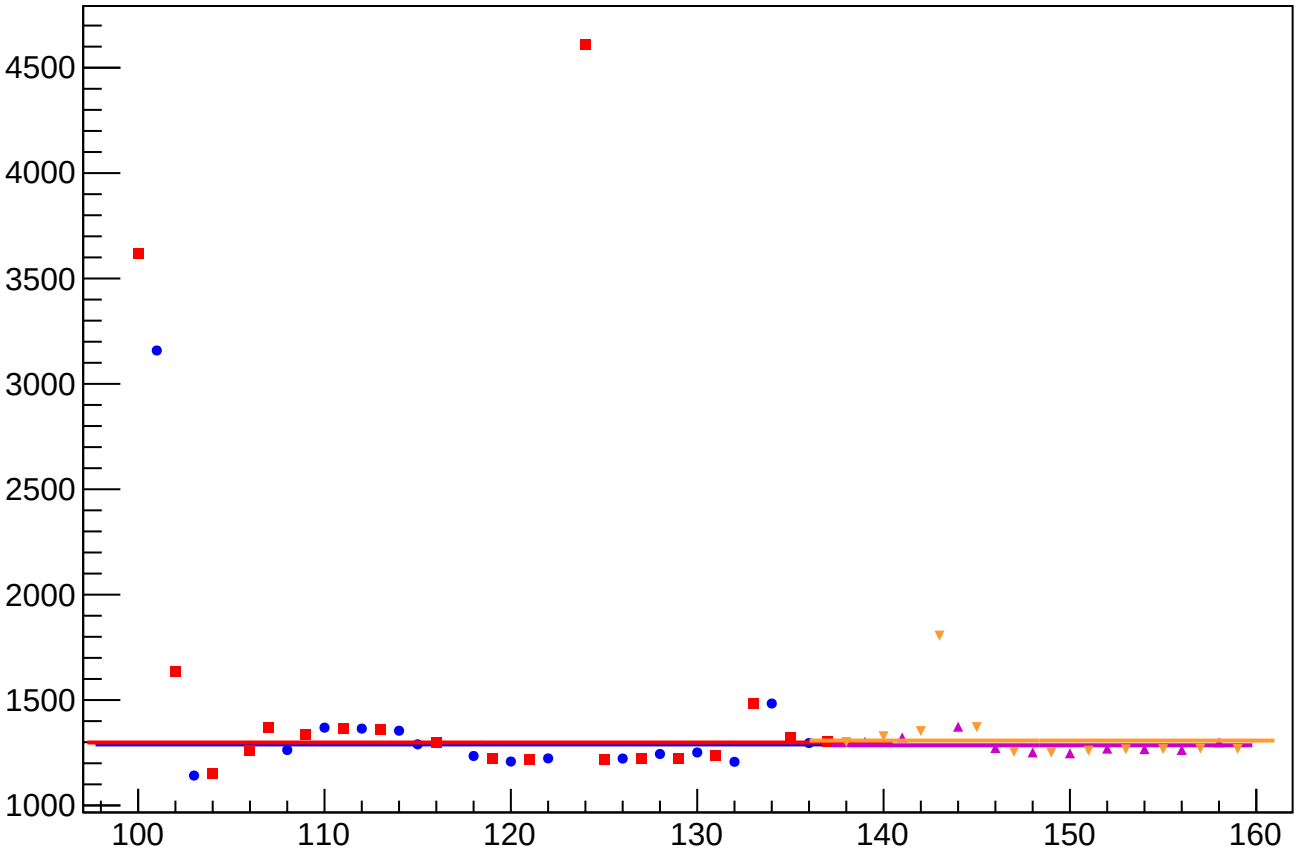
Left: 588.751+/-304.052 χ^2/NDF: 28.8/21

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -486.062+/-325.059 χ^2/NDF:19.4/25

Out: 825.297+/-320.356 χ^2/NDF:35.8/30

All: 179.172+/-228.170 χ^2/NDF: 63.4/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

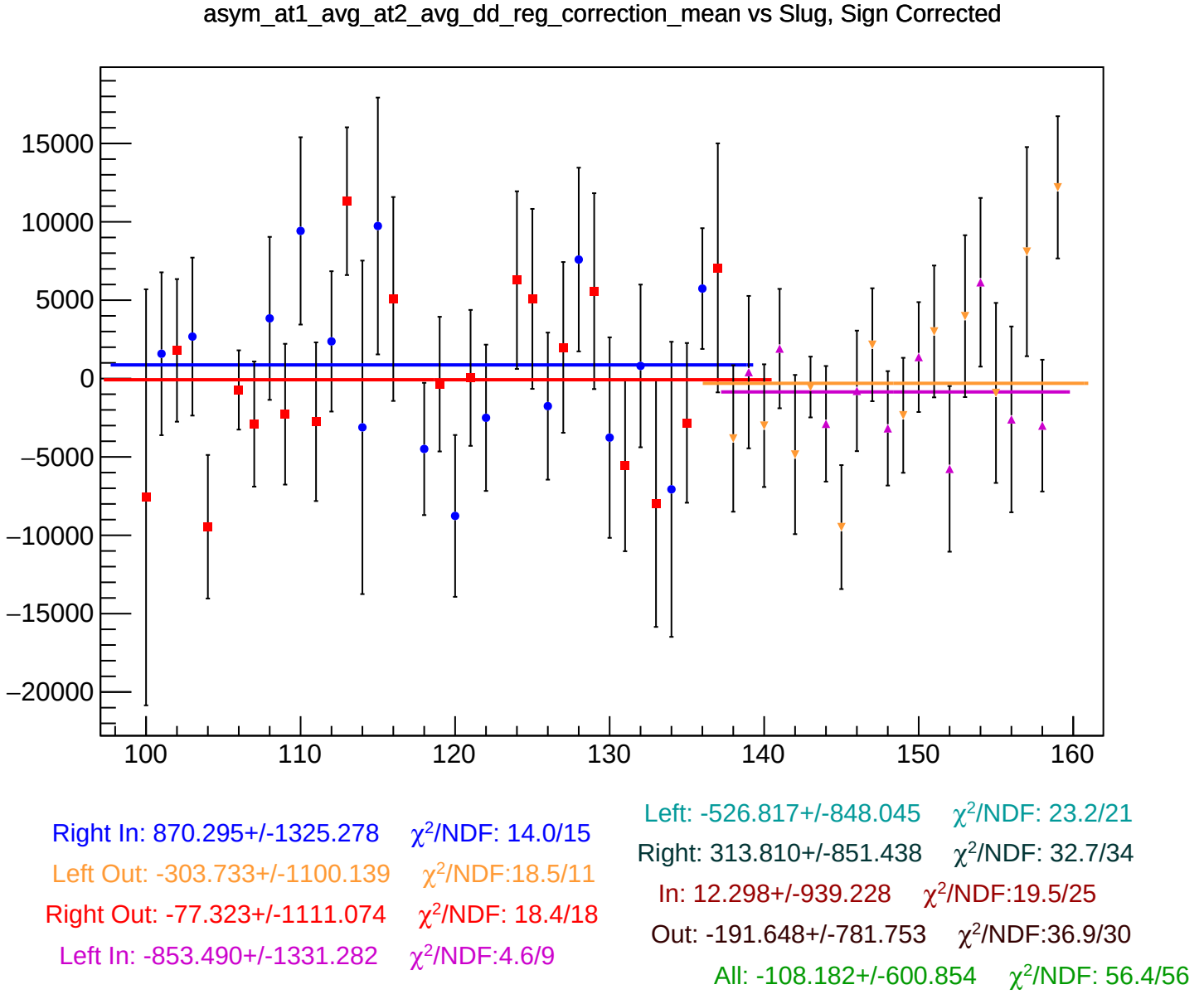
Left: 1296.894+/-0.215 χ^2/NDF: 160852.1/21

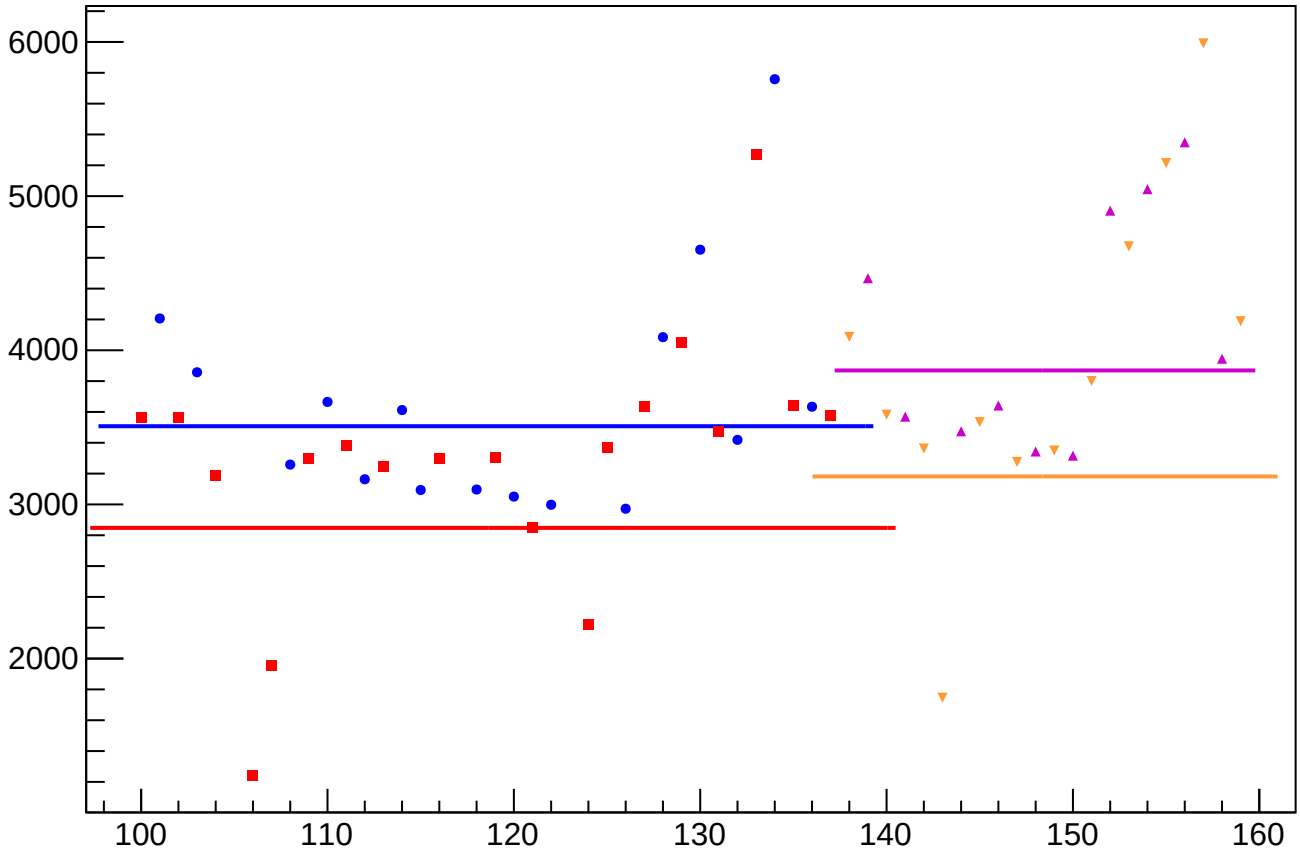
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

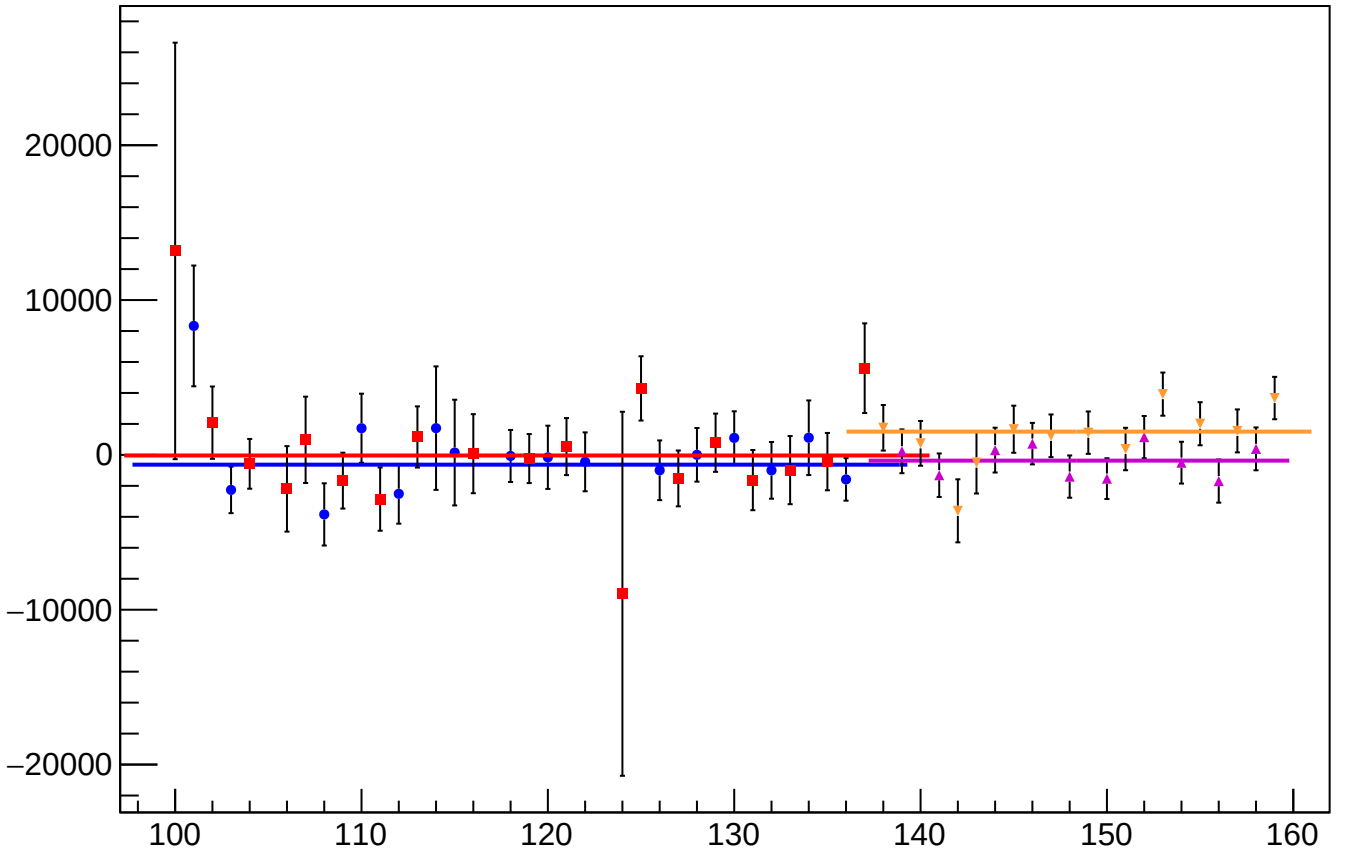
In: 1287.207+/-0.230 χ^2/NDF:528223.0/25

Out: 1303.859+/-0.226 χ^2/NDF:464443.4/30

All: 1295.664+/-0.161 χ^2/NDF: 995332.1/56


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -303.733+/-1100.139 χ²/NDF:18.5/11
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -853.490+/-1331.282 χ²/NDF:4.6/9
Left: -526.817+/-848.045 χ²/NDF: 23.2/21
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 12.298+/-939.228 χ²/NDF:19.5/25
Out: -191.648+/-781.753 χ²/NDF:36.9/30
All: -108.182+/-600.854 χ²/NDF: 56.4/56


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3181.363+/-0.778 χ²/NDF:2129386.8/11
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3869.144+/-0.941 χ²/NDF:461574.8/9
Left: 3460.456+/-0.600 χ²/NDF: 2908160.8/21
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3687.453+/-0.664 χ²/NDF:889723.8/25
Out: 3016.247+/-0.553 χ²/NDF:3719764.2/30
All: 3290.943+/-0.425 χ²/NDF: 5212877.0/56



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

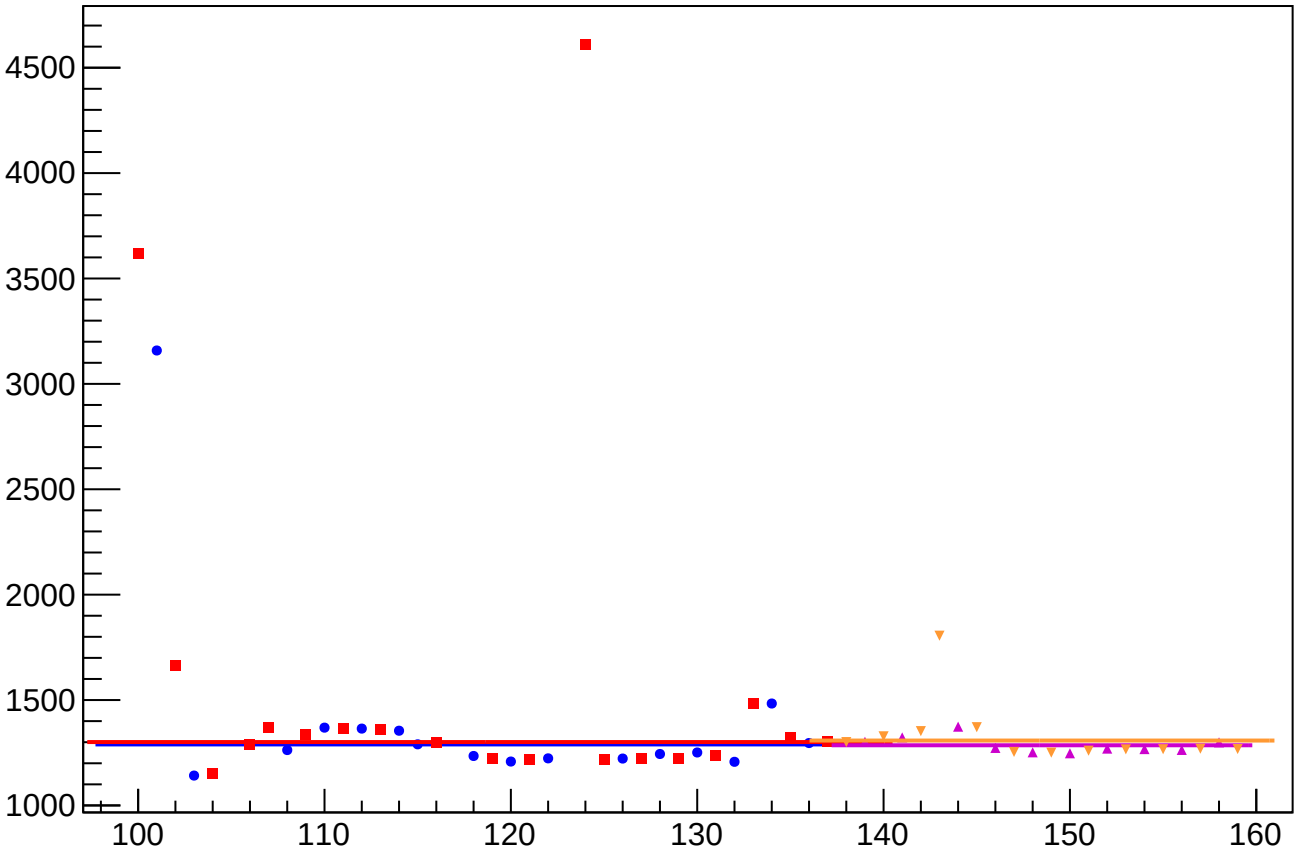
Left: 588.756+/-304.052 χ^2/NDF: 28.8/21

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 185.506+/-228.203 χ^2/NDF: 63.8/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

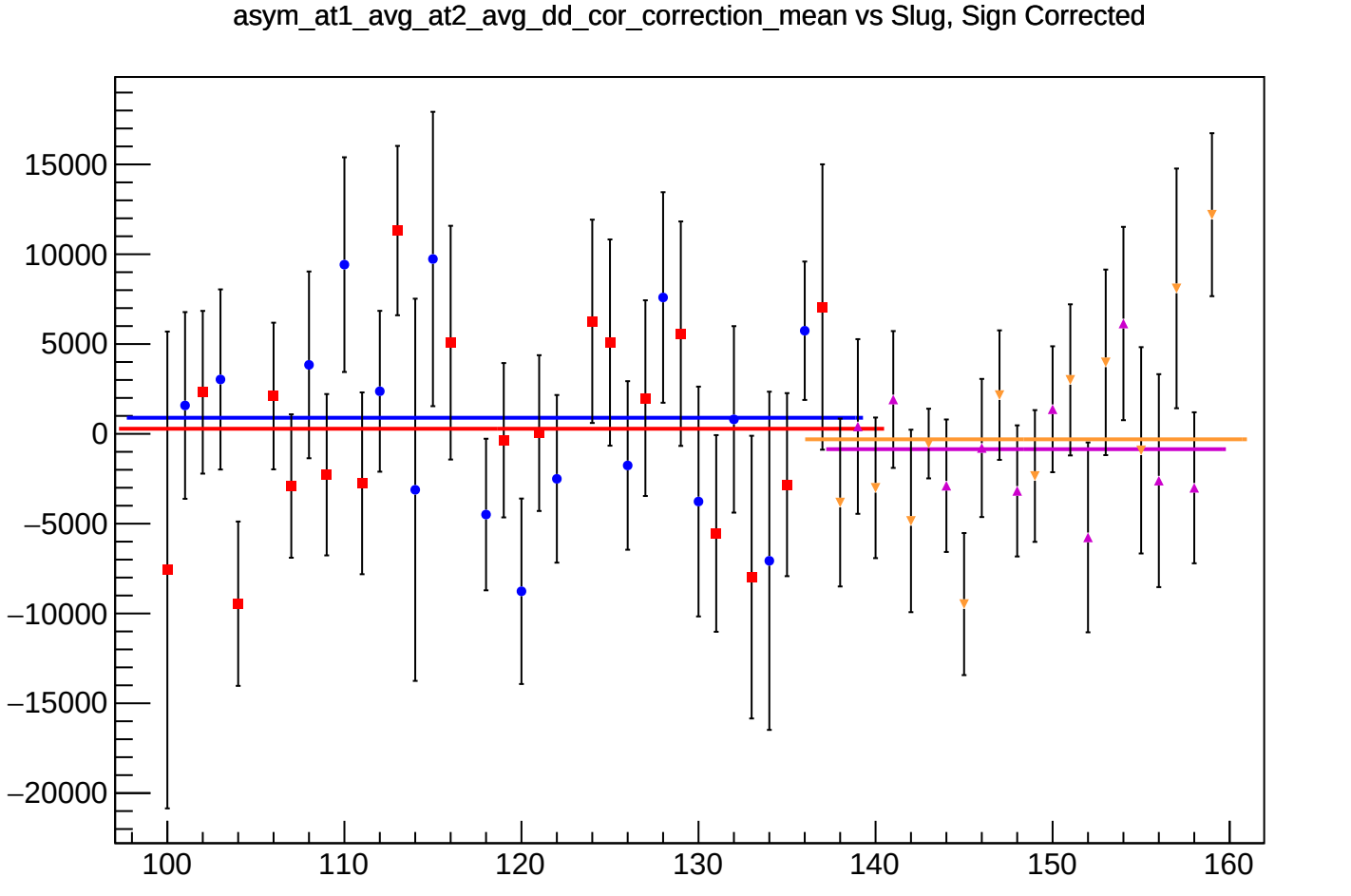
Left: 1296.894+/-0.215 χ^2/NDF: 160852.0/21

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -303.634+/-1100.137 χ^2/NDF:18.5/11

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -853.565+/-1331.280 χ^2/NDF:4.6/9

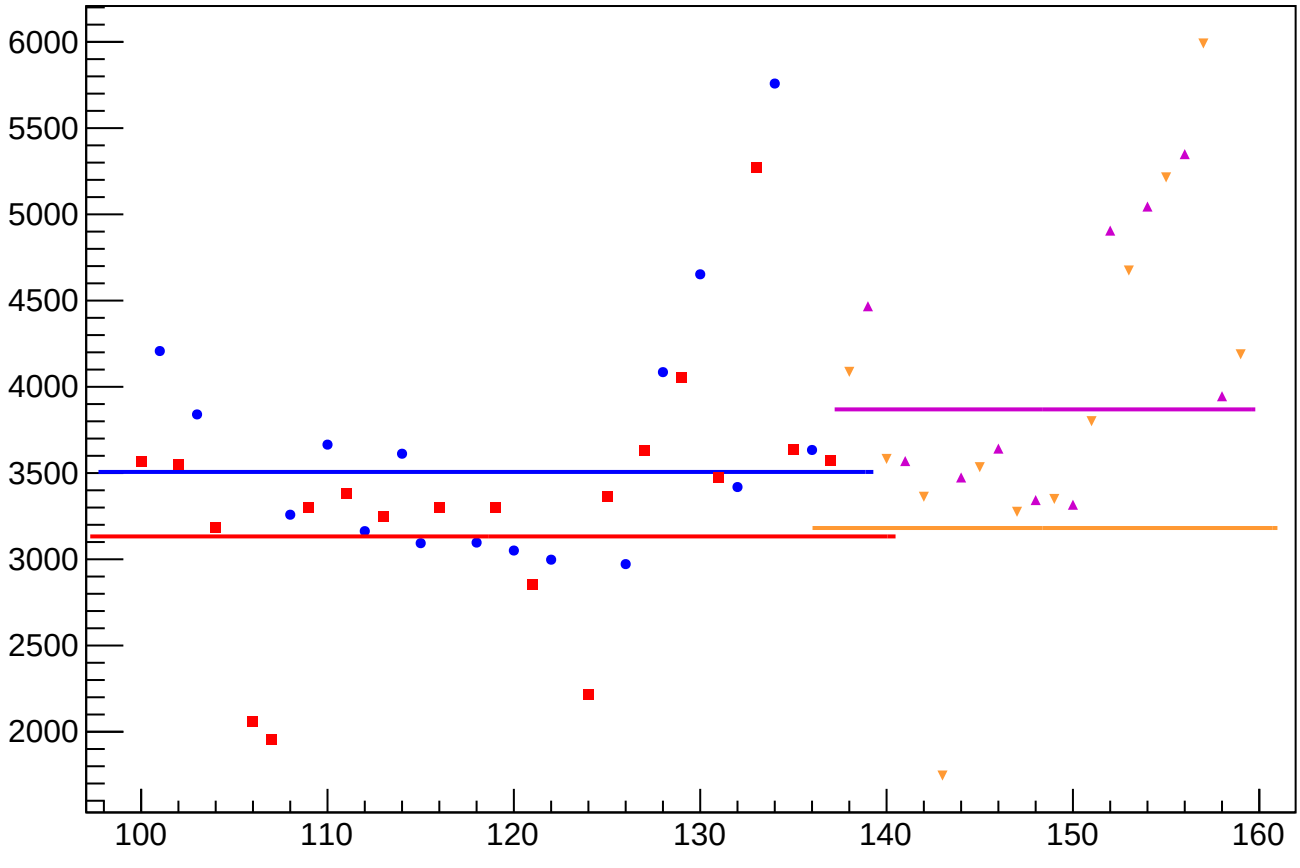
Left: -526.788+/-848.043 χ^2/NDF: 23.2/21

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 25.479+/-939.066 χ^2/NDF:19.6/25

Out: -31.176+/-805.671 χ^2/NDF:37.3/30

All: -7.155+/-611.467 χ^2/NDF: 56.8/56



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

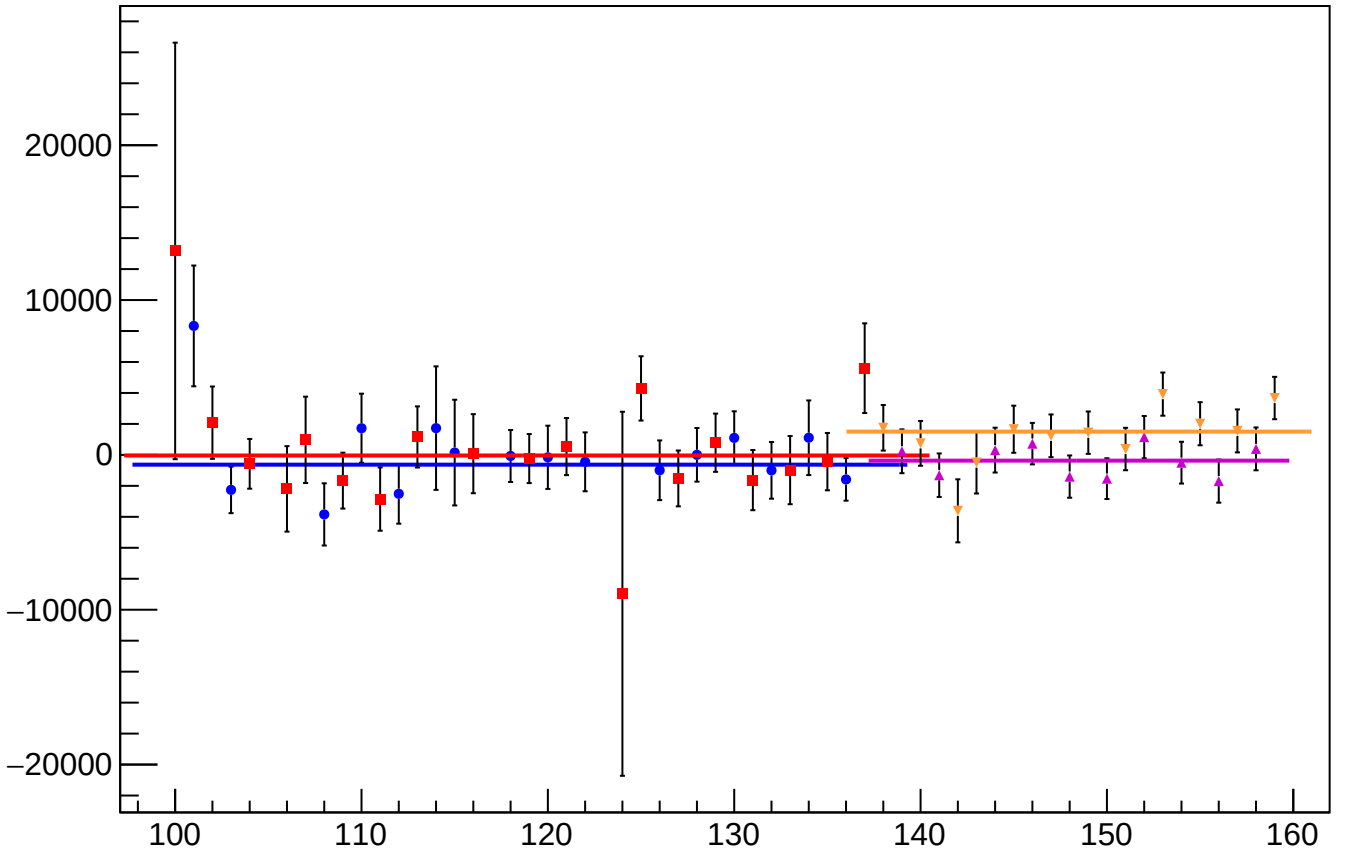
Left: 3460.447+/-0.600 χ^2/NDF: 2908190.8/21

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

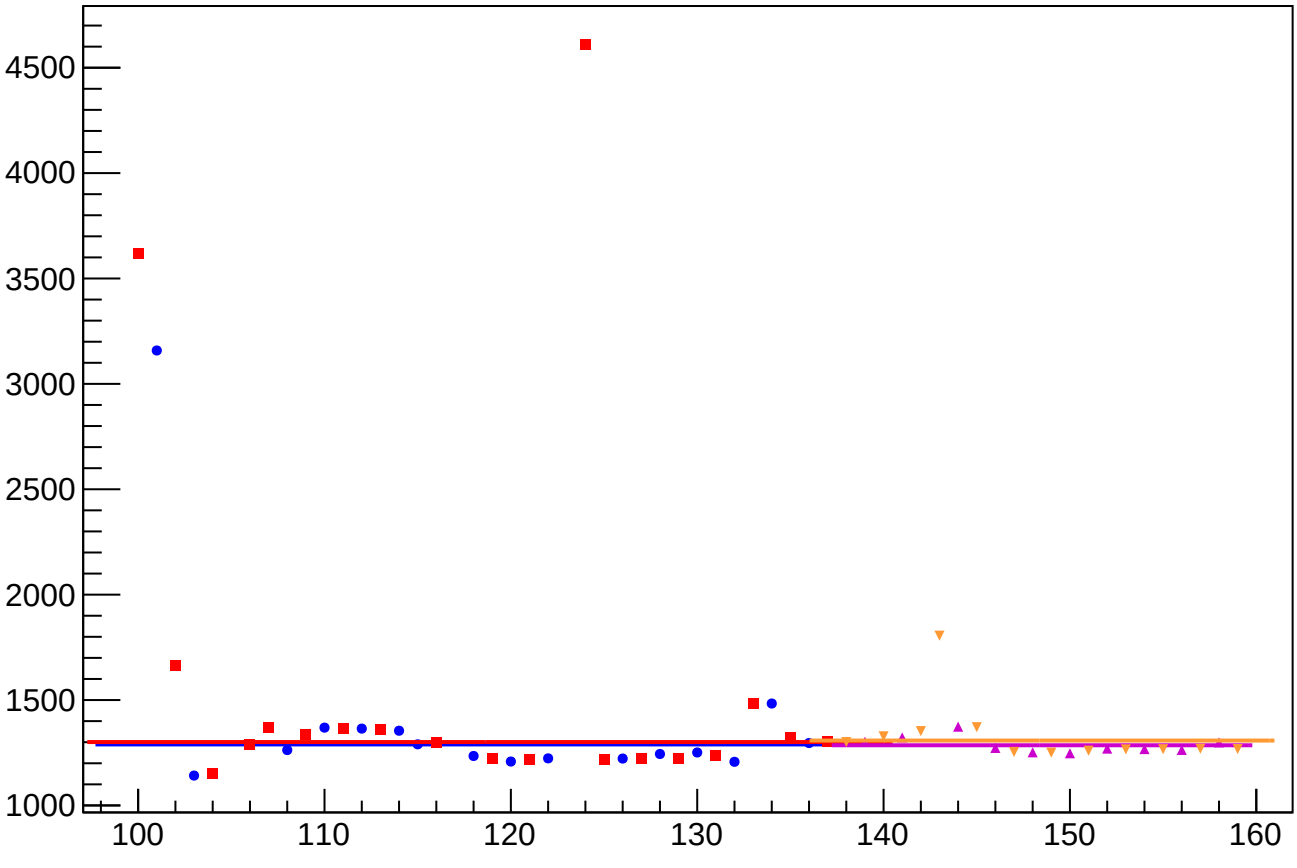
Left: 588.756+/-304.052 χ^2/NDF: 28.8/21

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 185.506+/-228.203 χ^2/NDF: 63.8/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

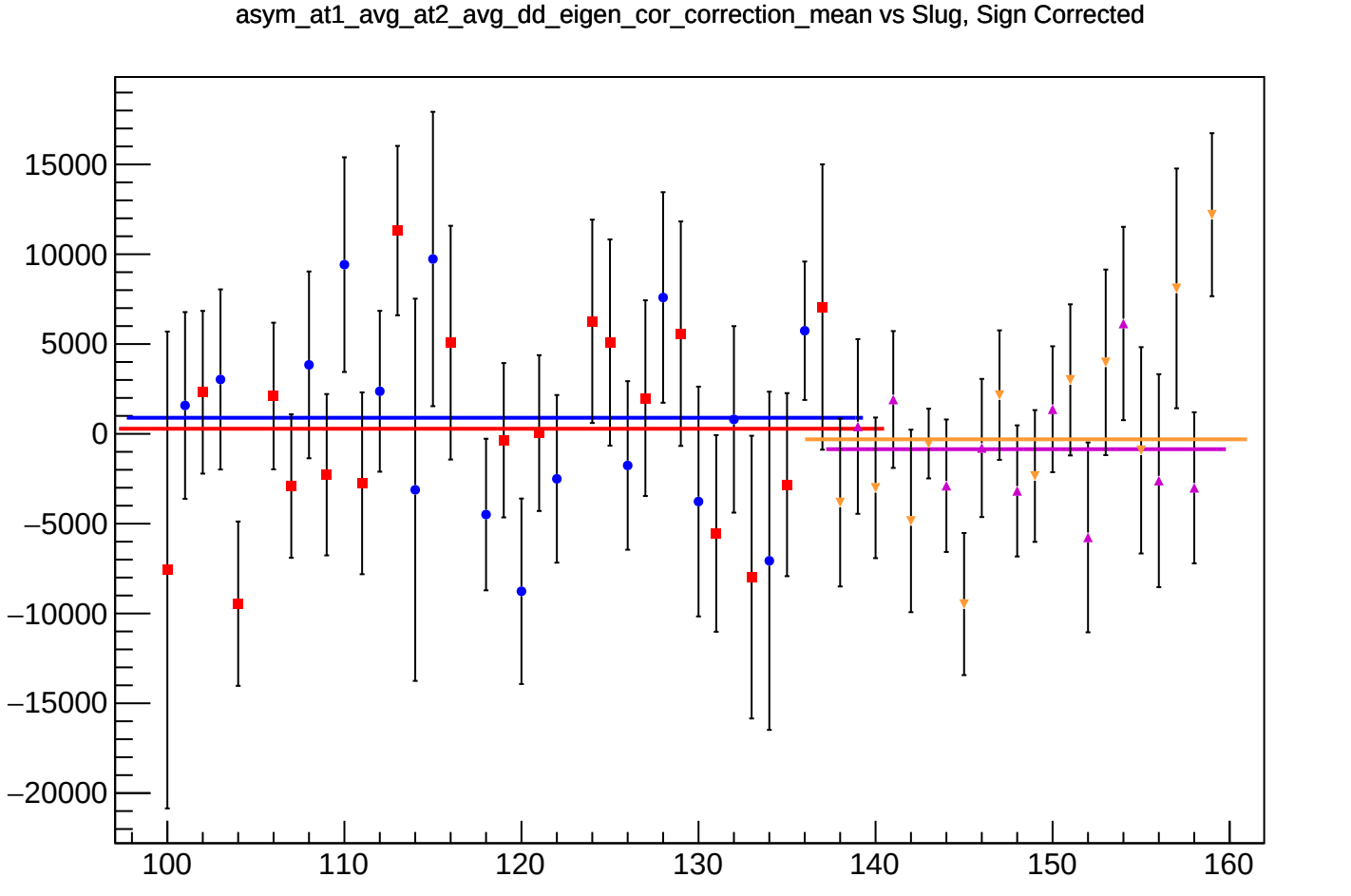
Left: 1296.894+/-0.215 χ^2/NDF: 160852.0/21

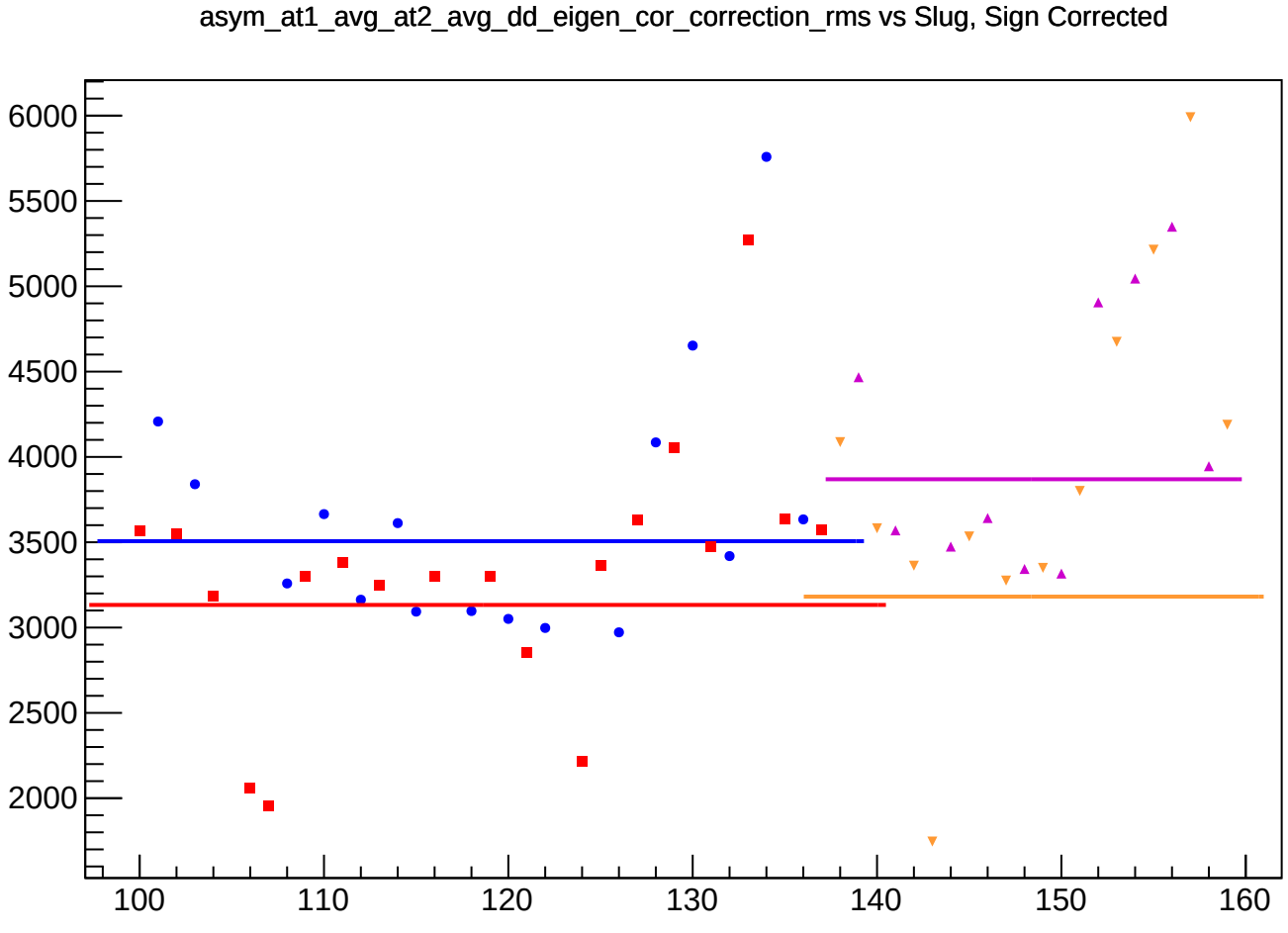
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -303.634+/-1100.137 χ²/NDF:18.5/11
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -526.788+/-848.043 χ²/NDF: 23.2/21
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -7.155+/-611.467 χ²/NDF: 56.8/56



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

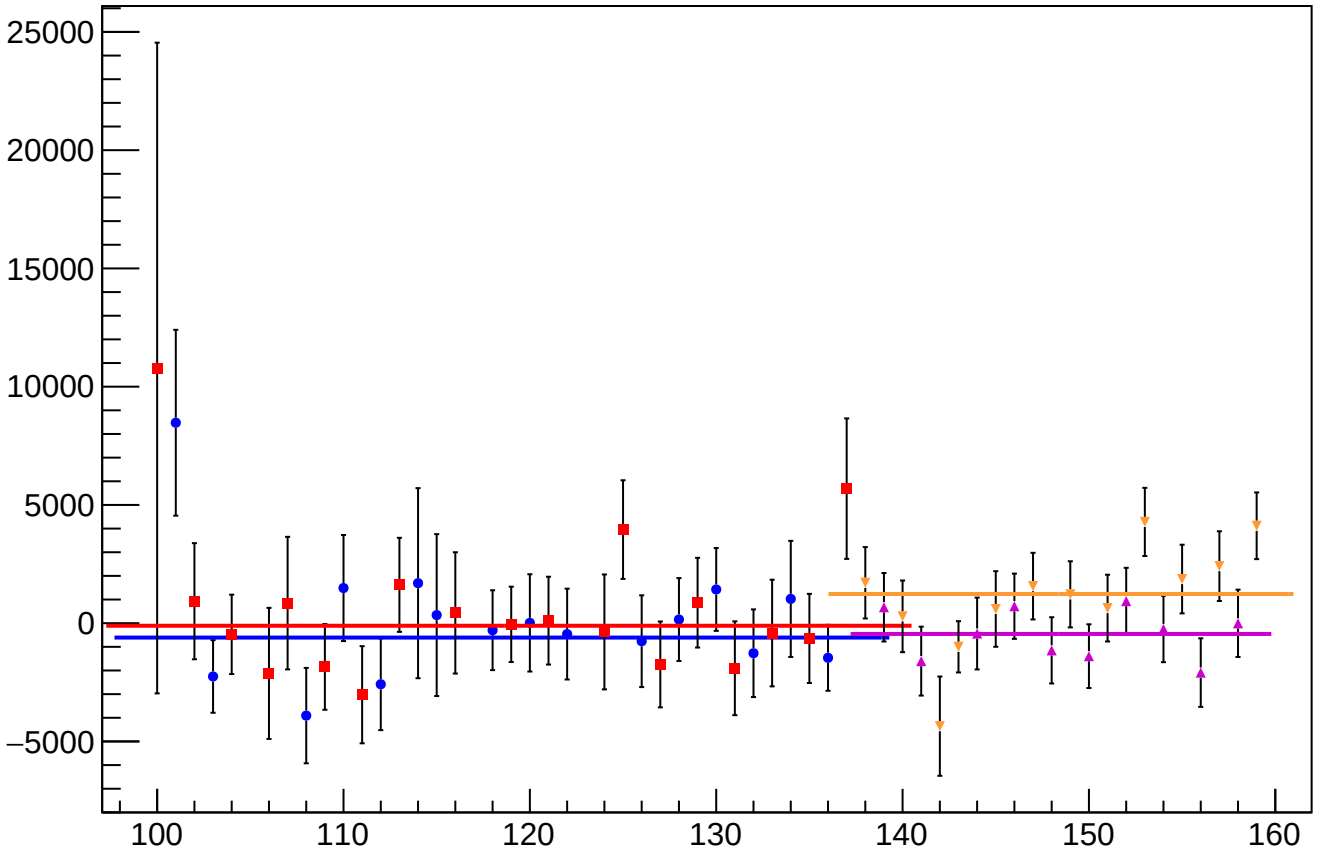
Left: 3460.447+/-0.600 χ^2/NDF: 2908190.8/21

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.548 χ^2/NDF:5.0/9

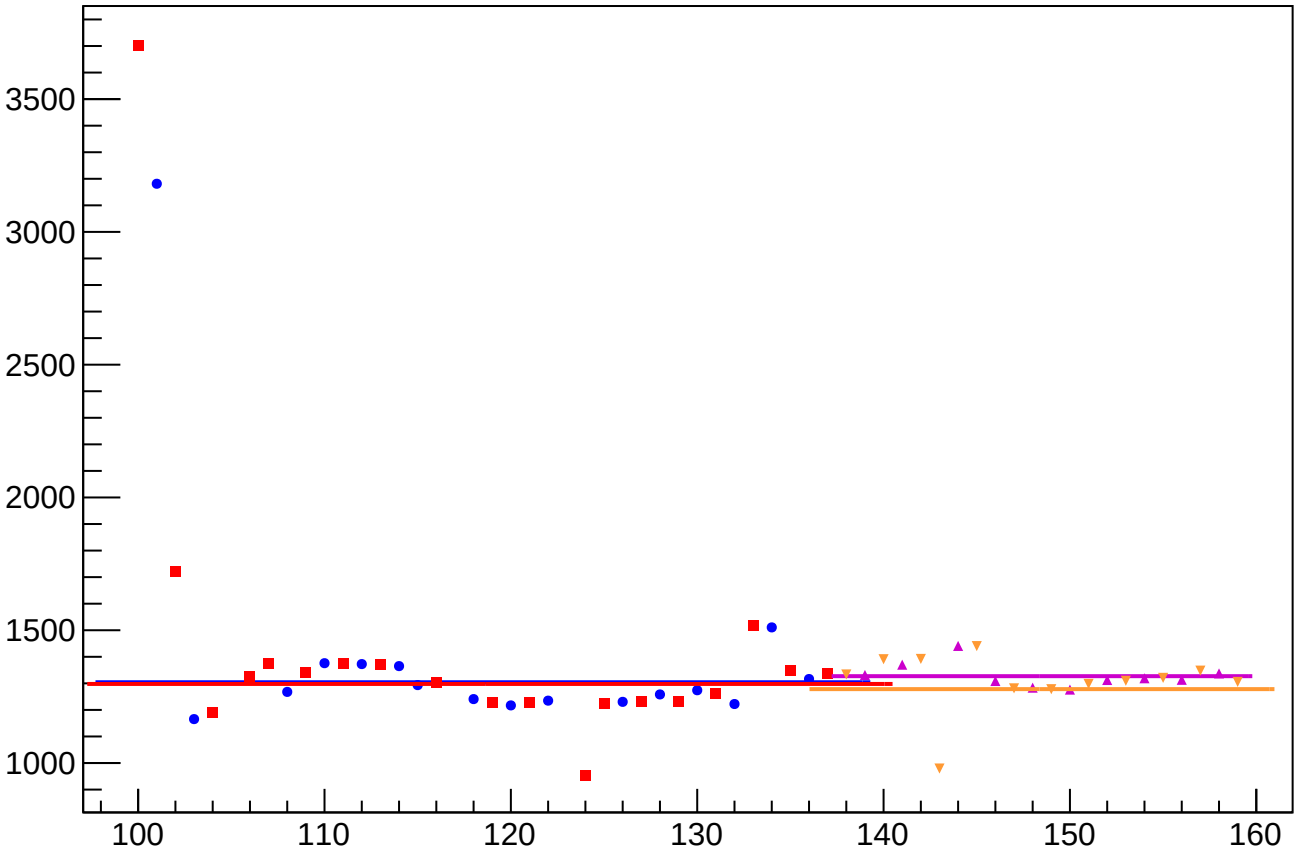
Left: 455.017+/-305.294 χ^2/NDF: 34.4/21

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -524.414+/-332.541 χ^2/NDF:19.2/25

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 101.352+/-229.022 χ^2/NDF: 66.9/56



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1278.303+/-0.294 χ^2/NDF:200587.6/11

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

Left: 1300.790+/-0.216 χ^2/NDF: 231931.0/21

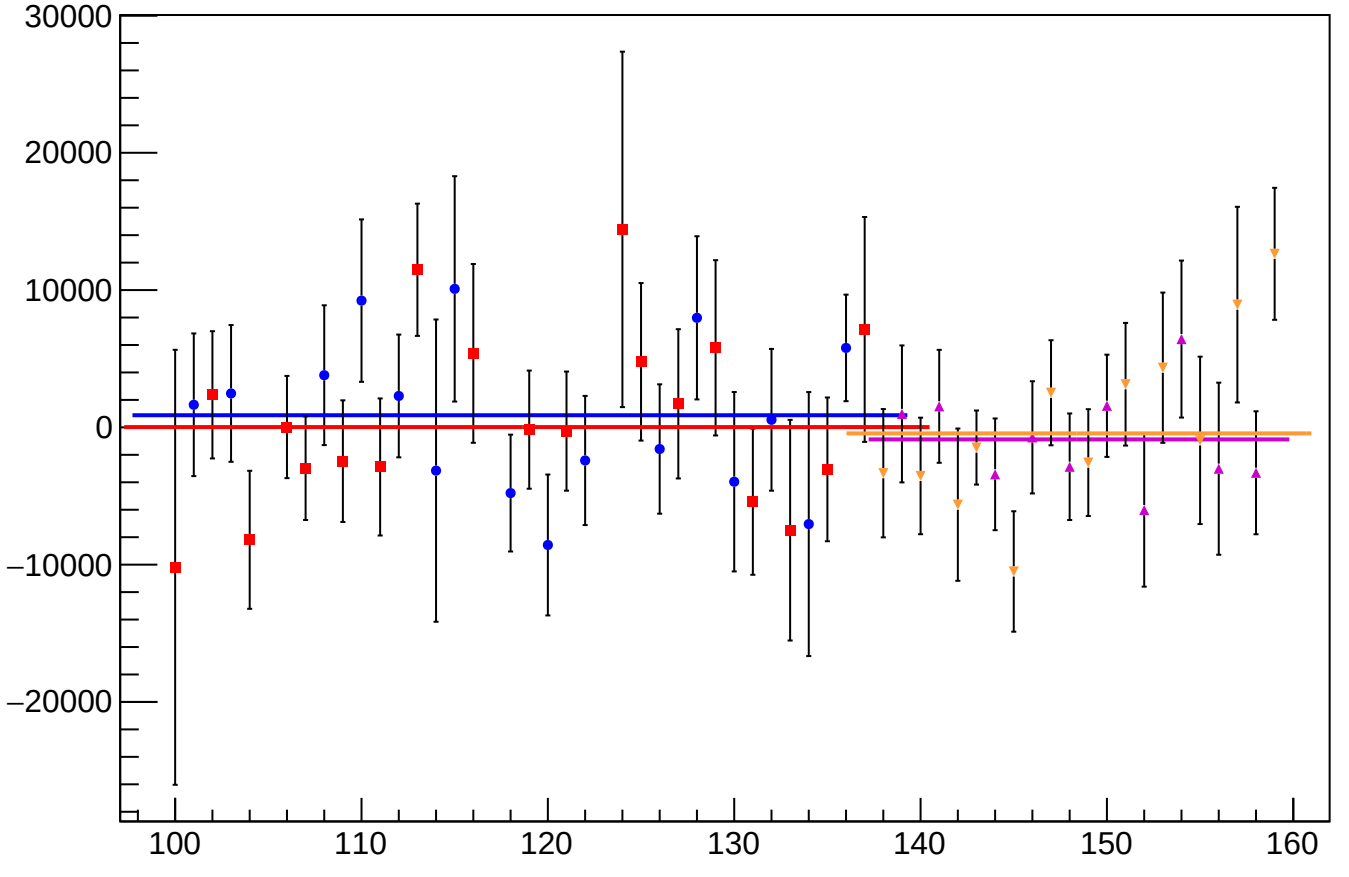
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.665+/-0.235 χ^2/NDF:531618.5/25

Out: 1286.560+/-0.223 χ^2/NDF:415545.4/30

All: 1300.834+/-0.162 χ^2/NDF: 955783.2/56

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -439.004+/-1258.889 χ^2/NDF:18.6/11

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -877.438+/-1419.681 χ^2/NDF:4.5/9

Left: -631.997+/-941.910 χ^2/NDF: 23.2/21

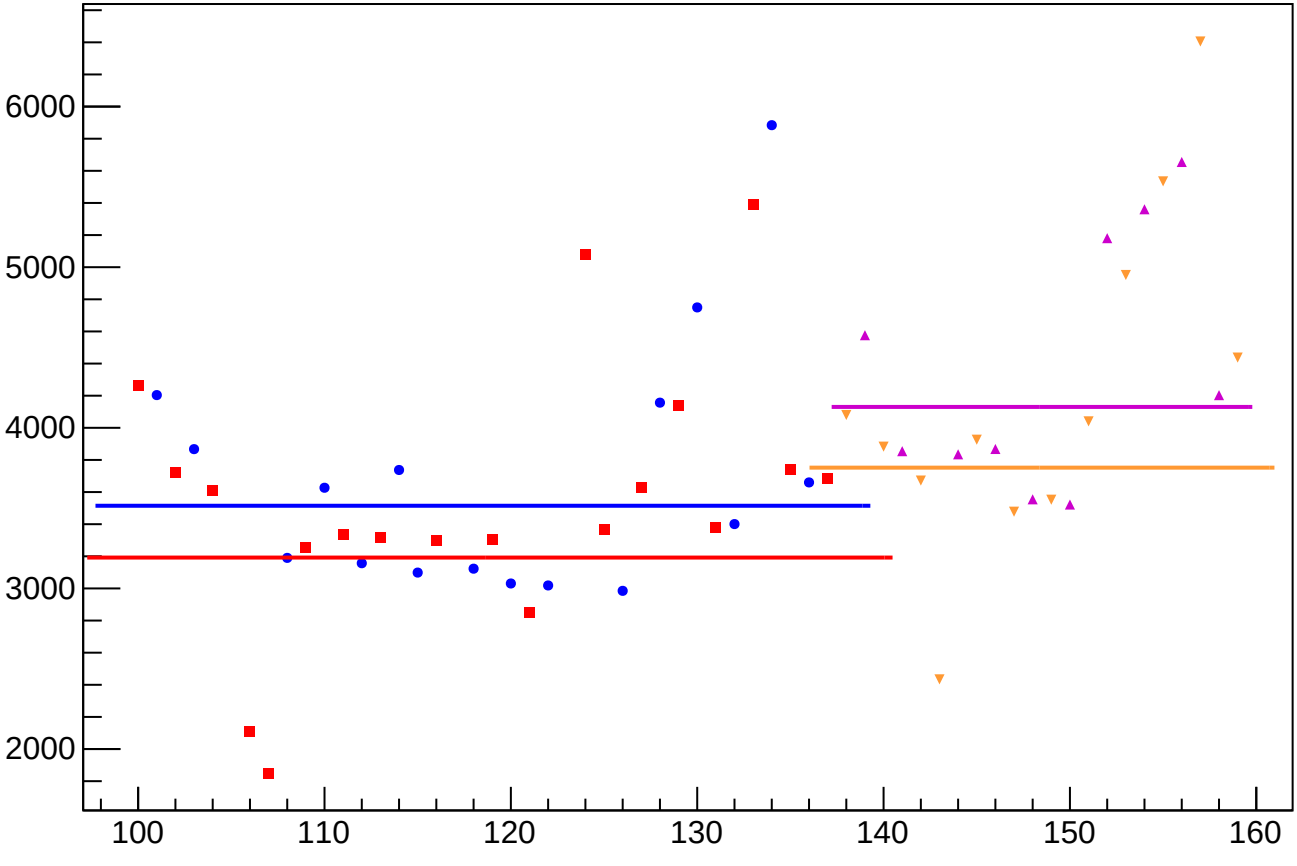
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 62.417+/-969.597 χ^2/NDF:19.4/25

Out: -198.161+/-868.607 χ^2/NDF:35.5/30

All: -82.145+/-646.966 χ^2/NDF: 55.0/56

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

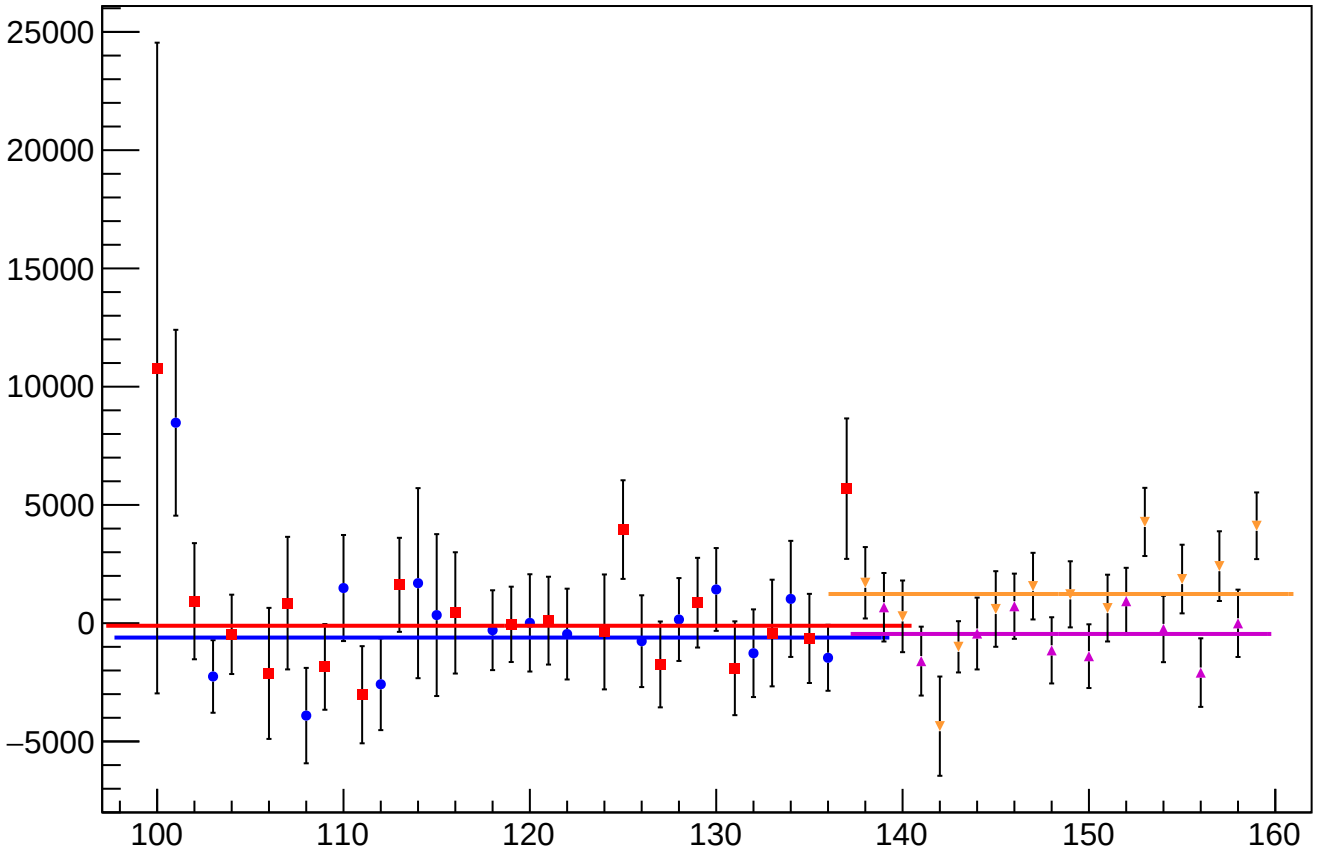
Left: 3918.427+/-0.666 χ^2/NDF: 1604573.7/21

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3801.752+/-0.686 χ^2/NDF:998981.7/25

Out: 3458.718+/-0.614 χ^2/NDF:2081450.1/30

All: 3611.445+/-0.457 χ^2/NDF: 3219311.7/56



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.285+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.549 χ^2/NDF:5.0/9

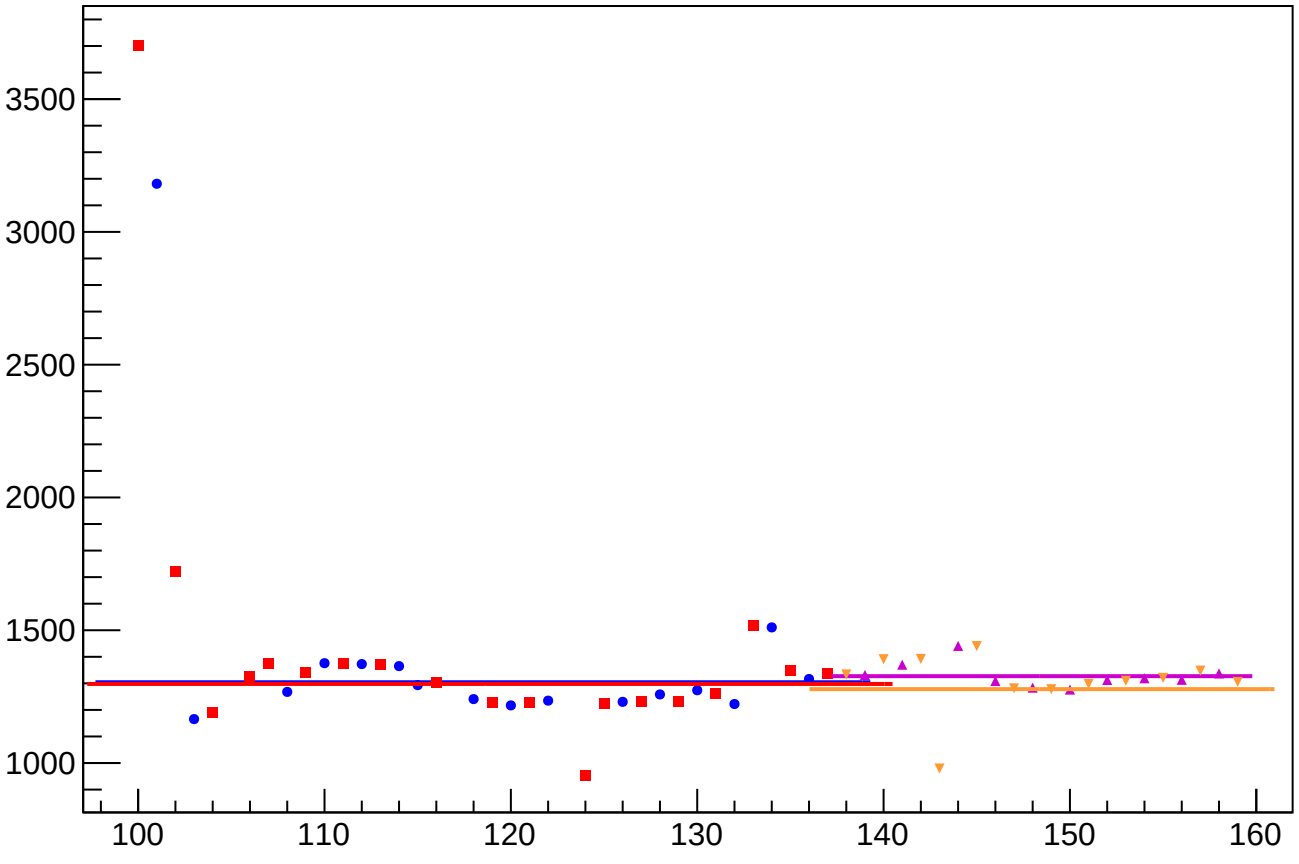
Left: 455.019+/-305.294 χ^2/NDF: 34.4/21

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -524.416+/-332.541 χ^2/NDF:19.2/25

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 101.351+/-229.022 χ^2/NDF: 66.9/56



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1278.304+/-0.294 χ^2/NDF:200588.1/11

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

Left: 1300.791+/-0.216 χ^2/NDF: 231931.5/21

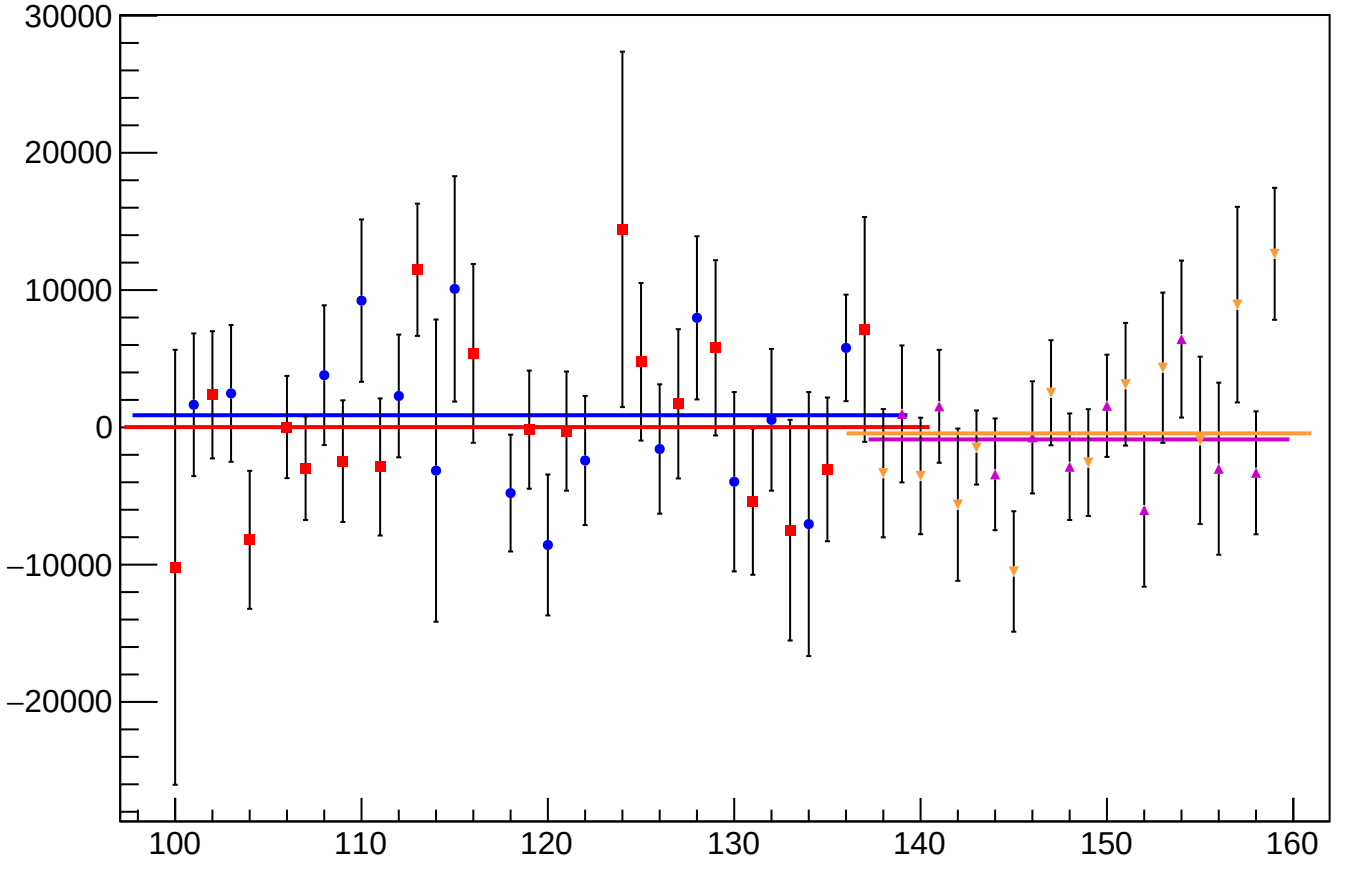
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.665+/-0.235 χ^2/NDF:531618.9/25

Out: 1286.560+/-0.223 χ^2/NDF:415545.7/30

All: 1300.835+/-0.162 χ^2/NDF: 955784.0/56

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: -439.000+/-1258.891 χ^2/NDF:18.6/11

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -877.438+/-1419.683 χ^2/NDF:4.5/9

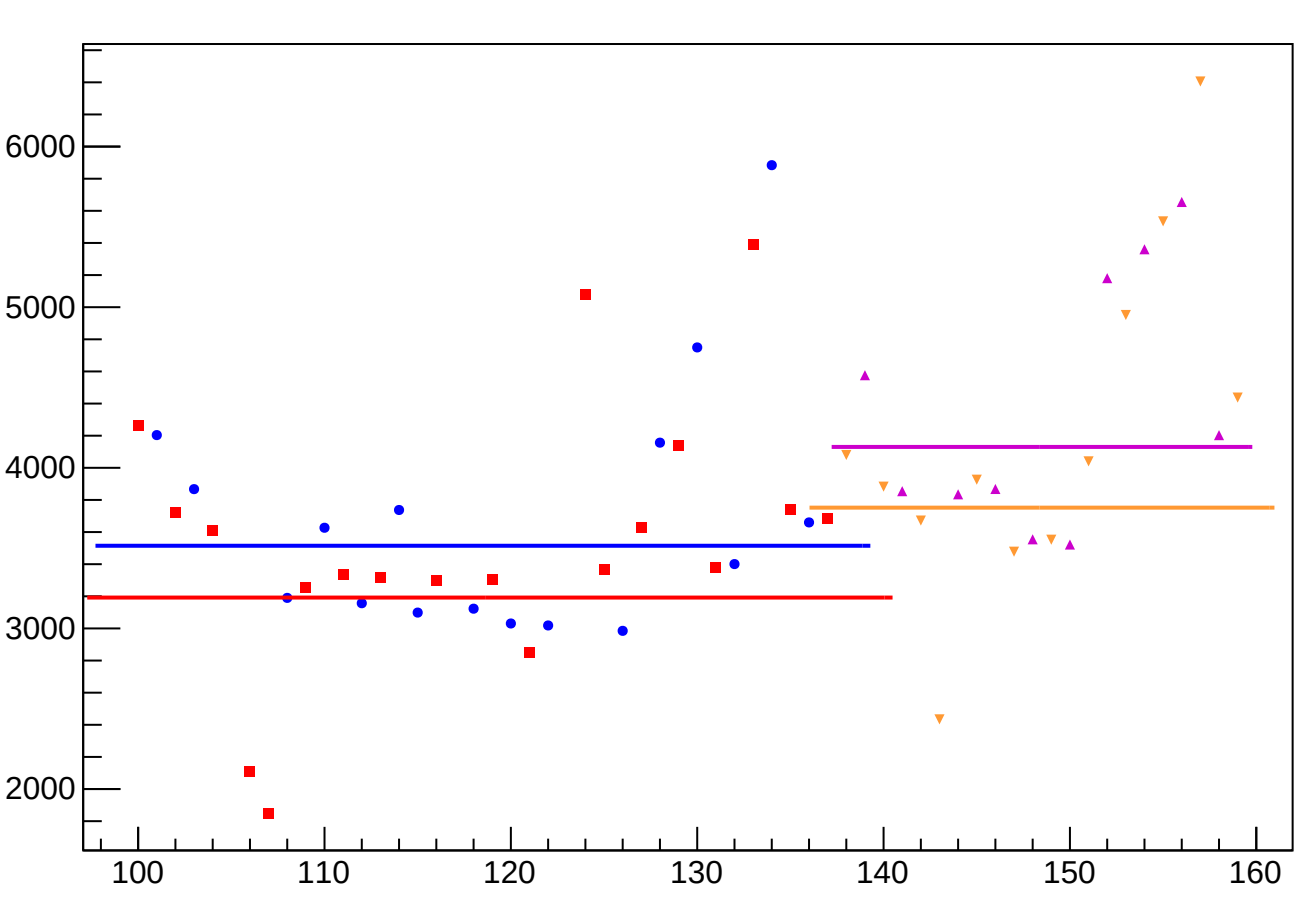
Left: -631.994+/-941.911 χ^2/NDF: 23.2/21

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 62.415+/-969.596 χ^2/NDF:19.4/25

Out: -198.161+/-868.606 χ^2/NDF:35.5/30

All: -82.146+/-646.965 χ^2/NDF: 55.0/56



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3752.029+/-0.890 χ^2/NDF:1101737.4/11

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

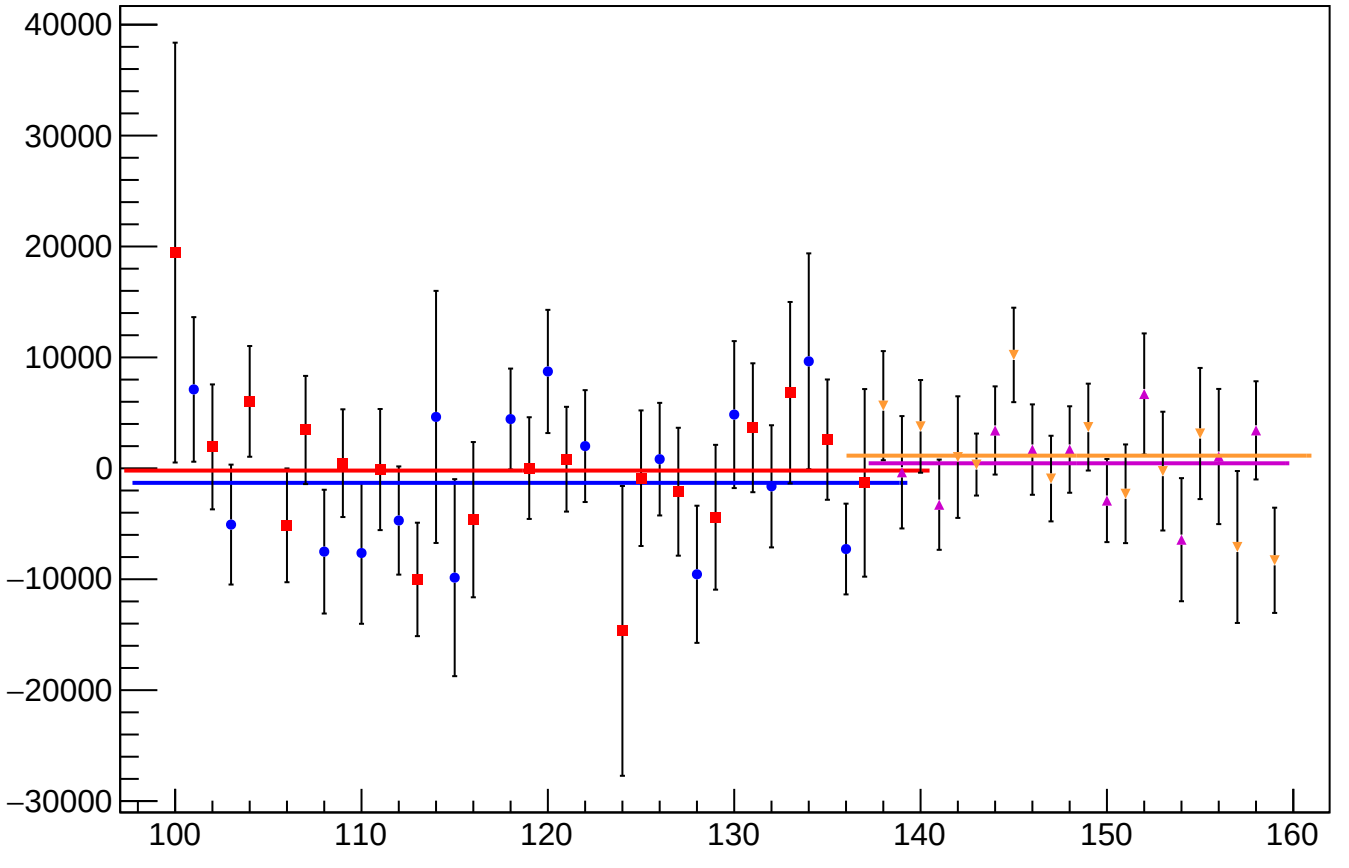
Left: 3918.432+/-0.666 χ^2/NDF: 1604574.2/21

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3801.748+/-0.686 χ^2/NDF:998996.0/25

Out: 3458.715+/-0.614 χ^2/NDF:2081462.3/30

All: 3611.442+/-0.457 χ^2/NDF: 3219337.8/56



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1143.591+/-1262.777 χ^2/NDF:12.8/11

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 454.679+/-1408.822 χ^2/NDF:5.7/9

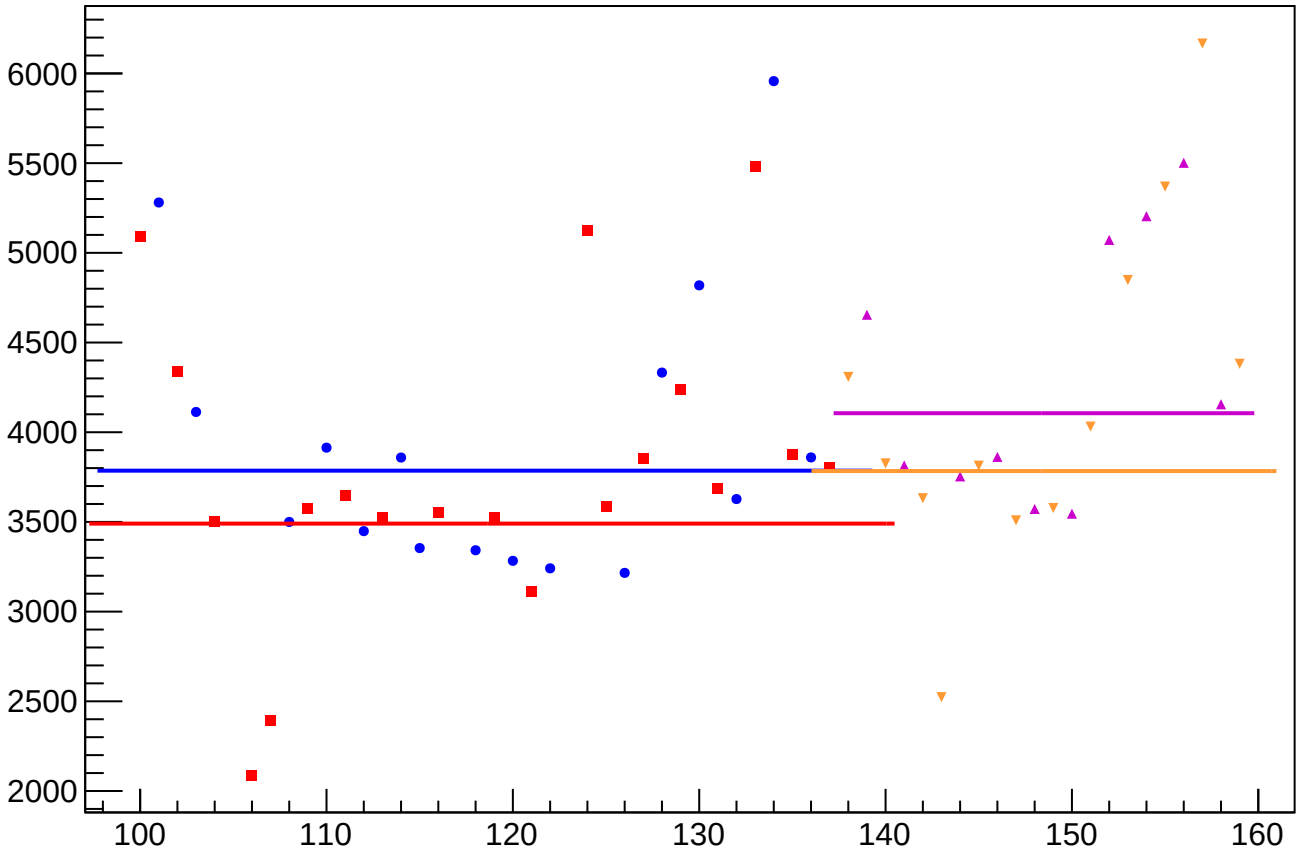
Left: 836.683+/-940.327 χ^2/NDF: 18.6/21

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -413.176+/-1004.152 χ^2/NDF:24.1/25

Out: 508.902+/-917.733 χ^2/NDF:25.0/30

All: 89.241+/-677.431 χ^2/NDF: 49.5/56



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3783.485+/-0.893 χ^2/NDF:950121.3/11

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

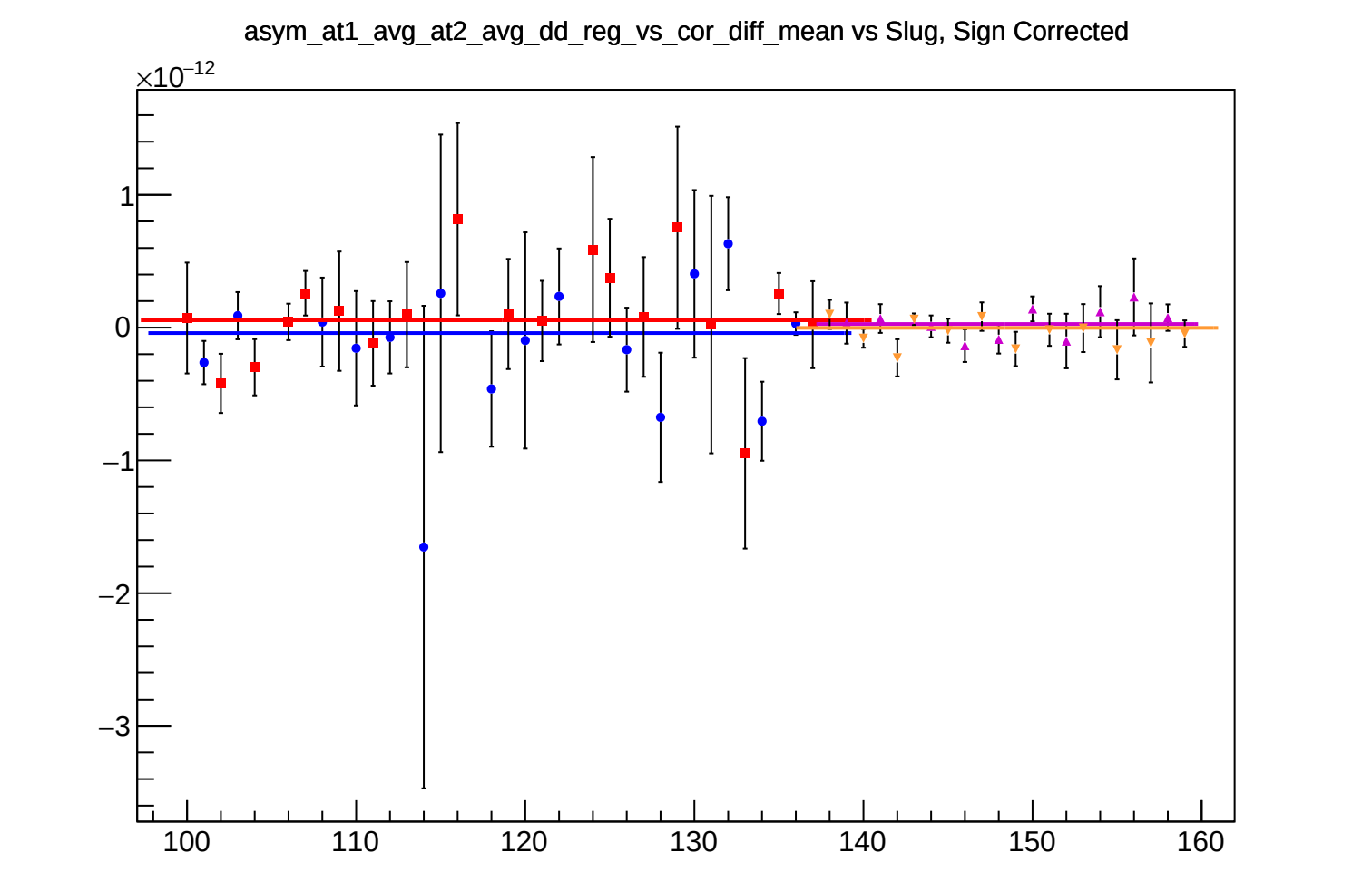
Left: 3927.164+/-0.665 χ^2/NDF: 1393110.1/21

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3948.455+/-0.710 χ^2/NDF:818698.8/25

Out: 3643.296+/-0.645 χ^2/NDF:1588331.5/30

All: 3781.196+/-0.477 χ^2/NDF: 2508270.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

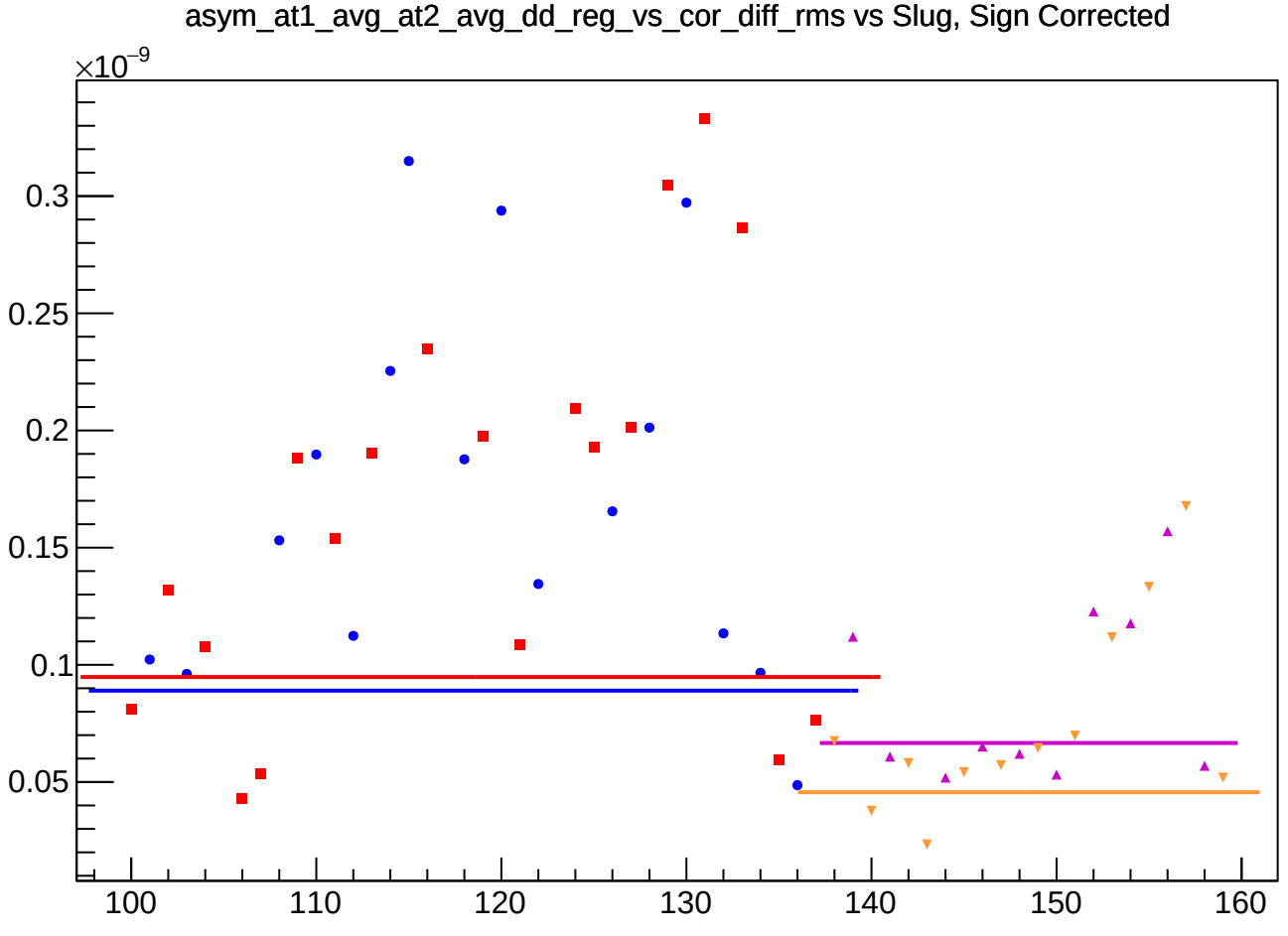
Left: 0.000+/-0.000 χ^2/NDF: 16.2/21

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: 0.000+/-0.000 χ^2/NDF:26.5/30

All: 0.000+/-0.000 χ^2/NDF: 50.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719207.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

Left: 0.000+/-0.000 χ^2/NDF: 2919066.3/21

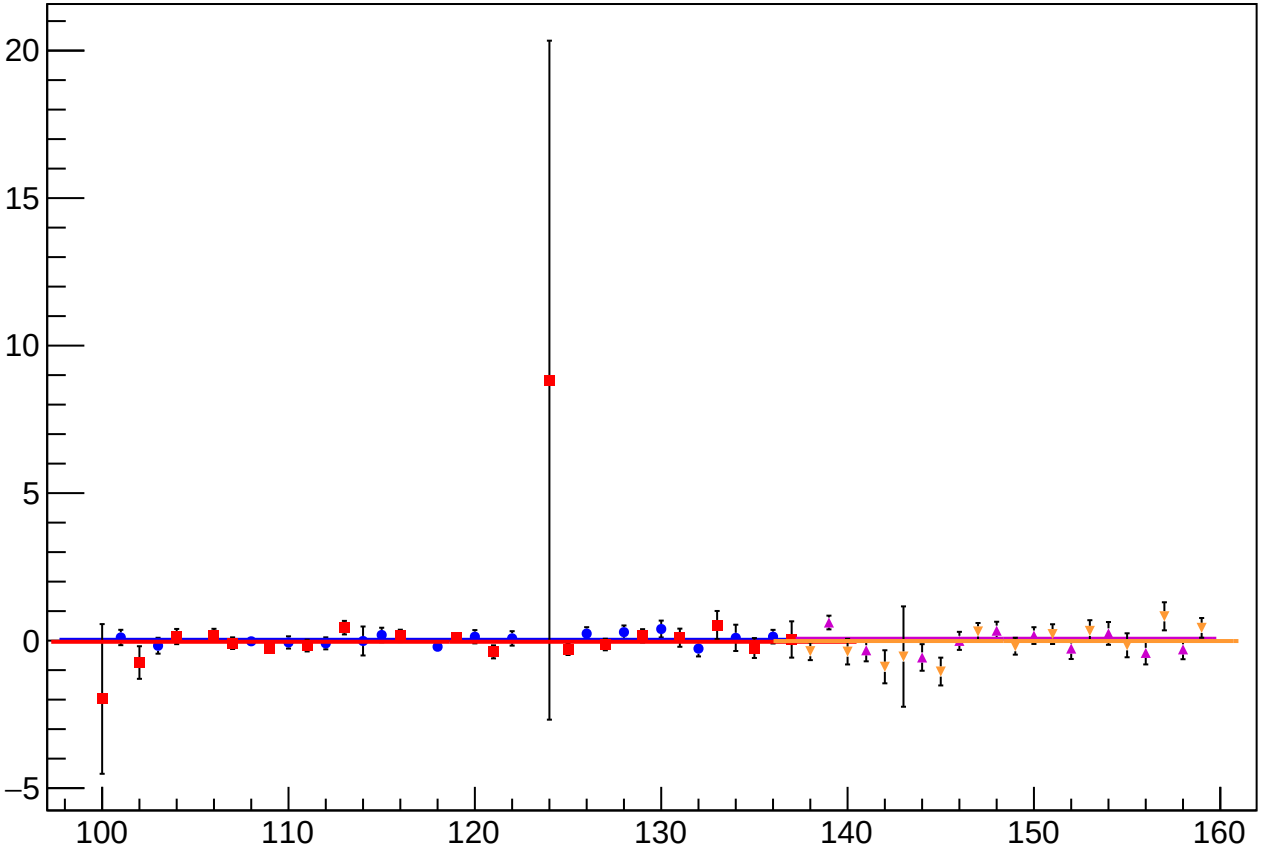
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2455064.9/25

Out: 0.000+/-0.000 χ^2/NDF:4454540.3/30

All: 0.000+/-0.000 χ^2/NDF: 7396914.7/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

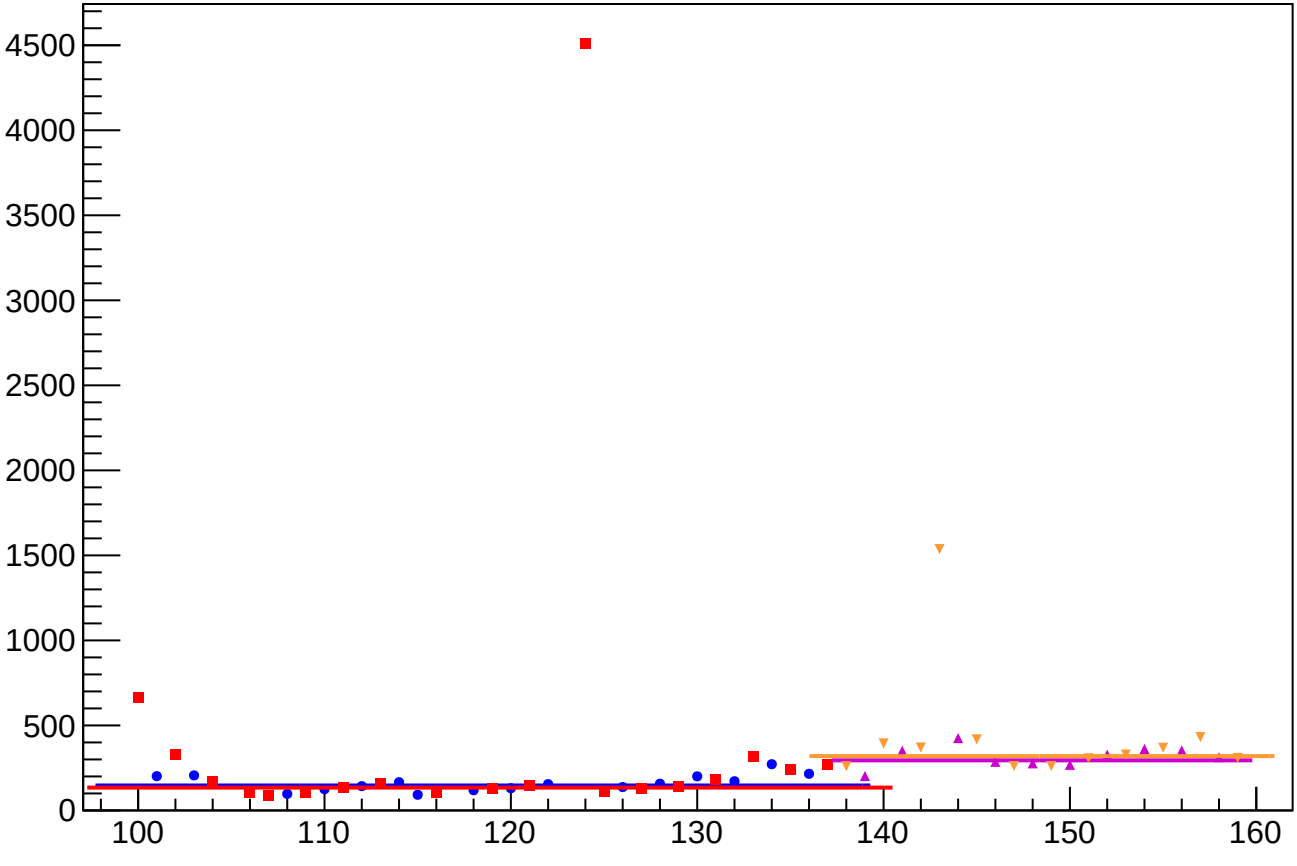
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.453+/-0.053 χ^2/NDF: 2312680.0/21

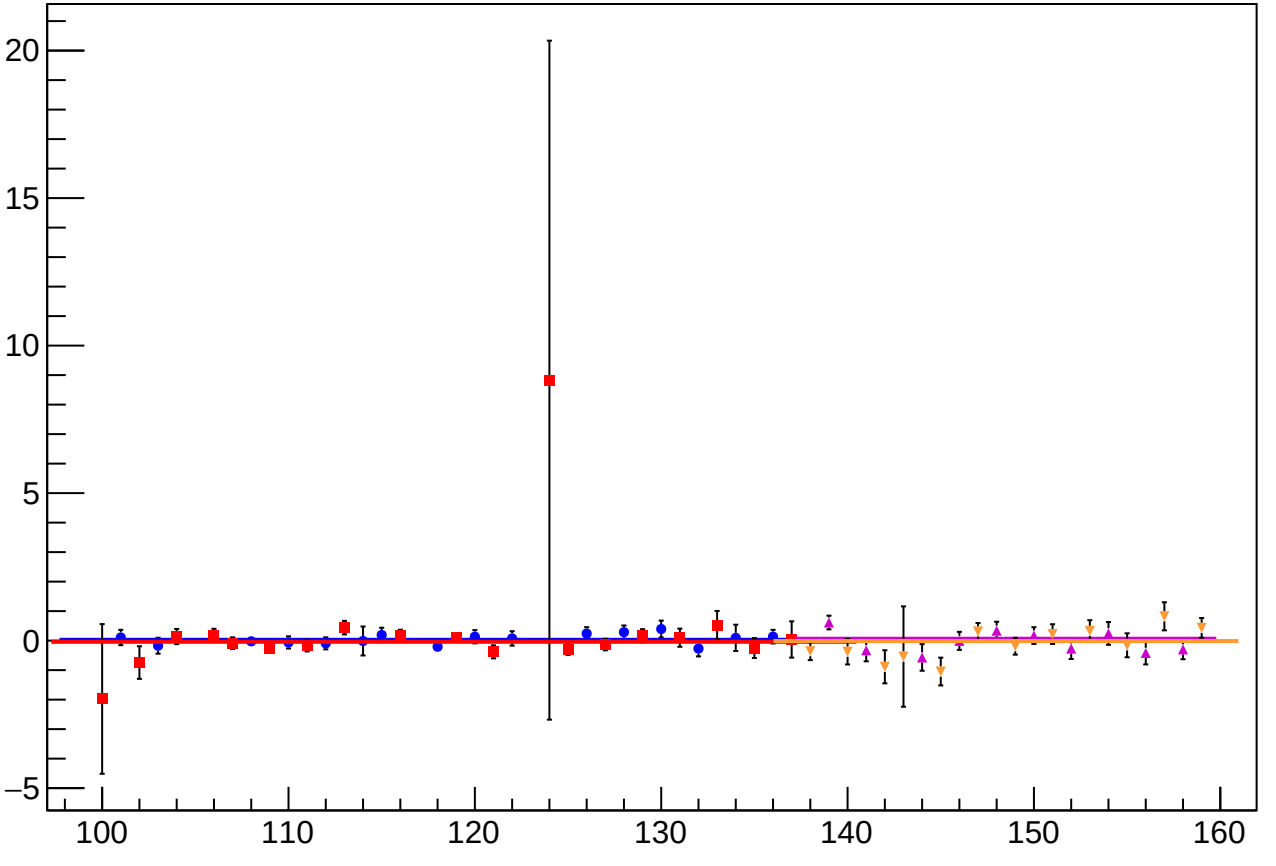
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

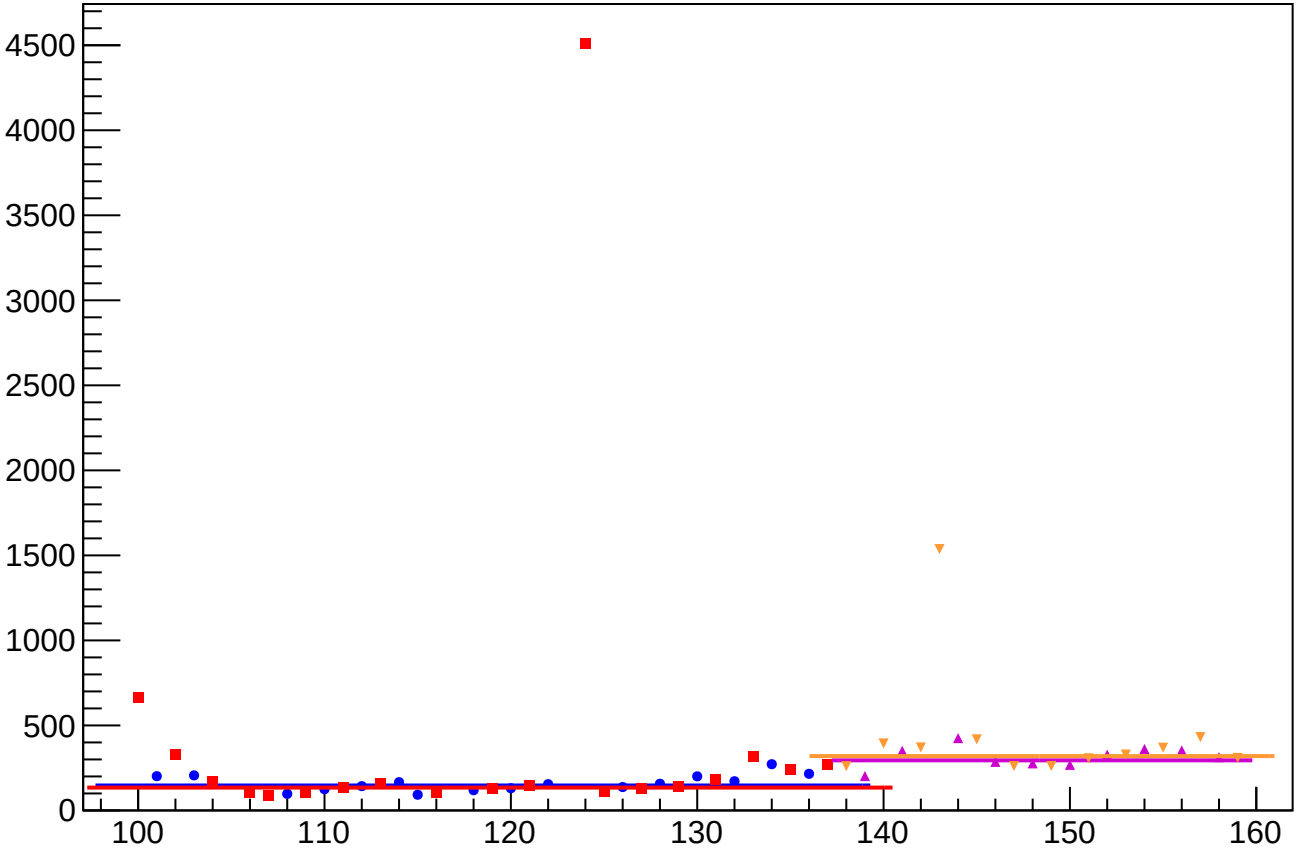
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.453+/-0.053 χ^2/NDF: 2312680.0/21

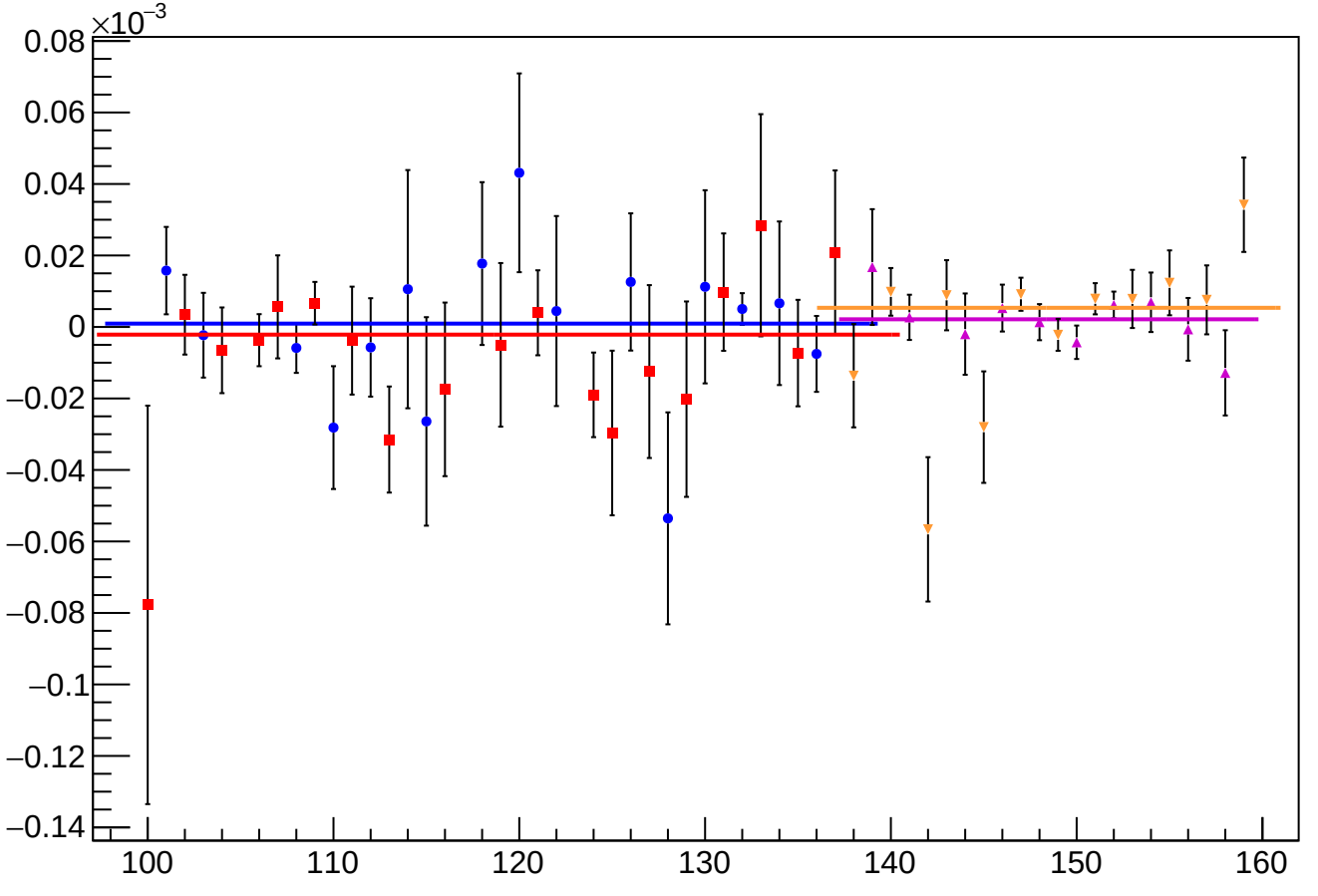
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/11

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

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

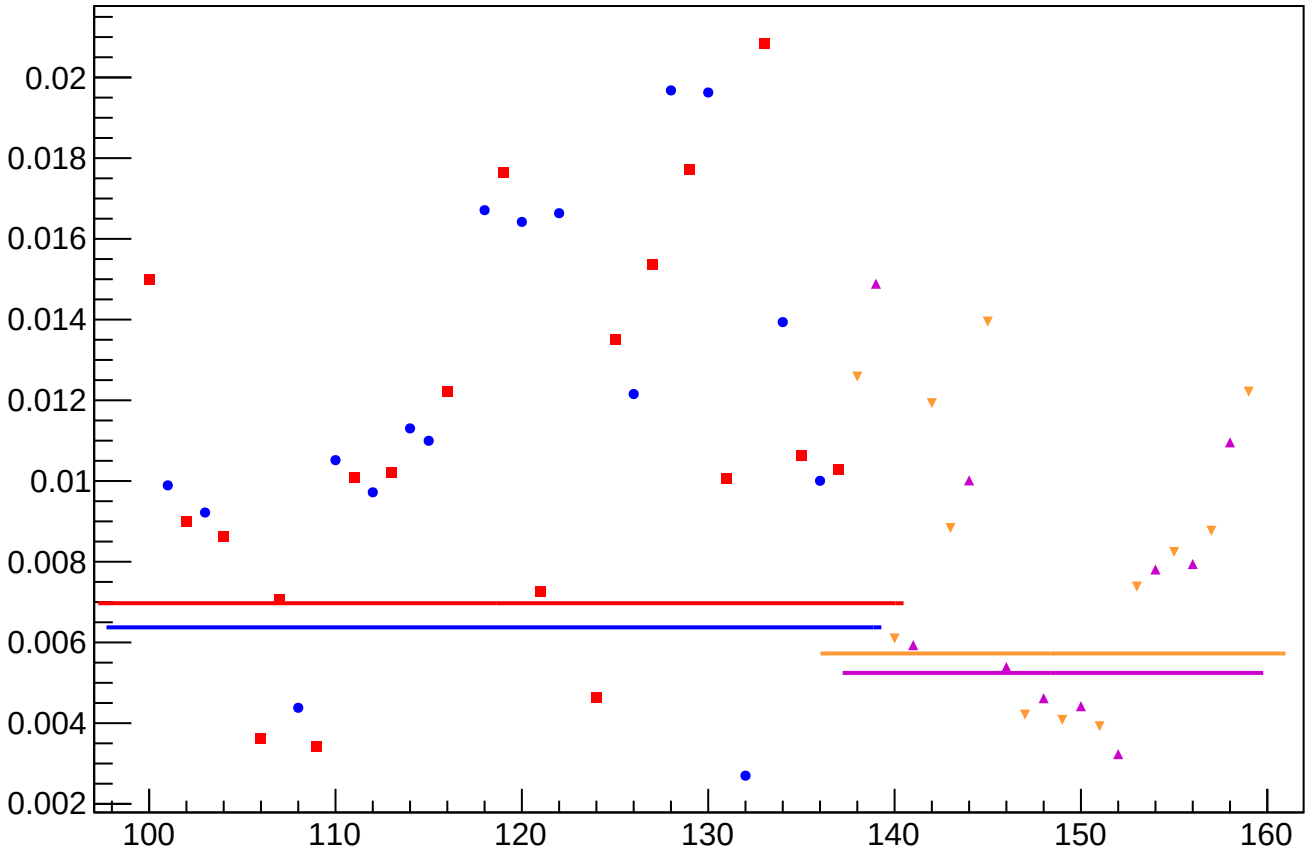
Left: 0.000+/-0.000 χ^2/NDF: 33.2/21

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:21.2/25

Out: 0.000+/-0.000 χ^2/NDF:46.0/30

All: 0.000+/-0.000 χ^2/NDF: 67.5/56



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:3148839.7/11

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

Left: 0.005+/-0.000 χ^2/NDF: 5803483.3/21

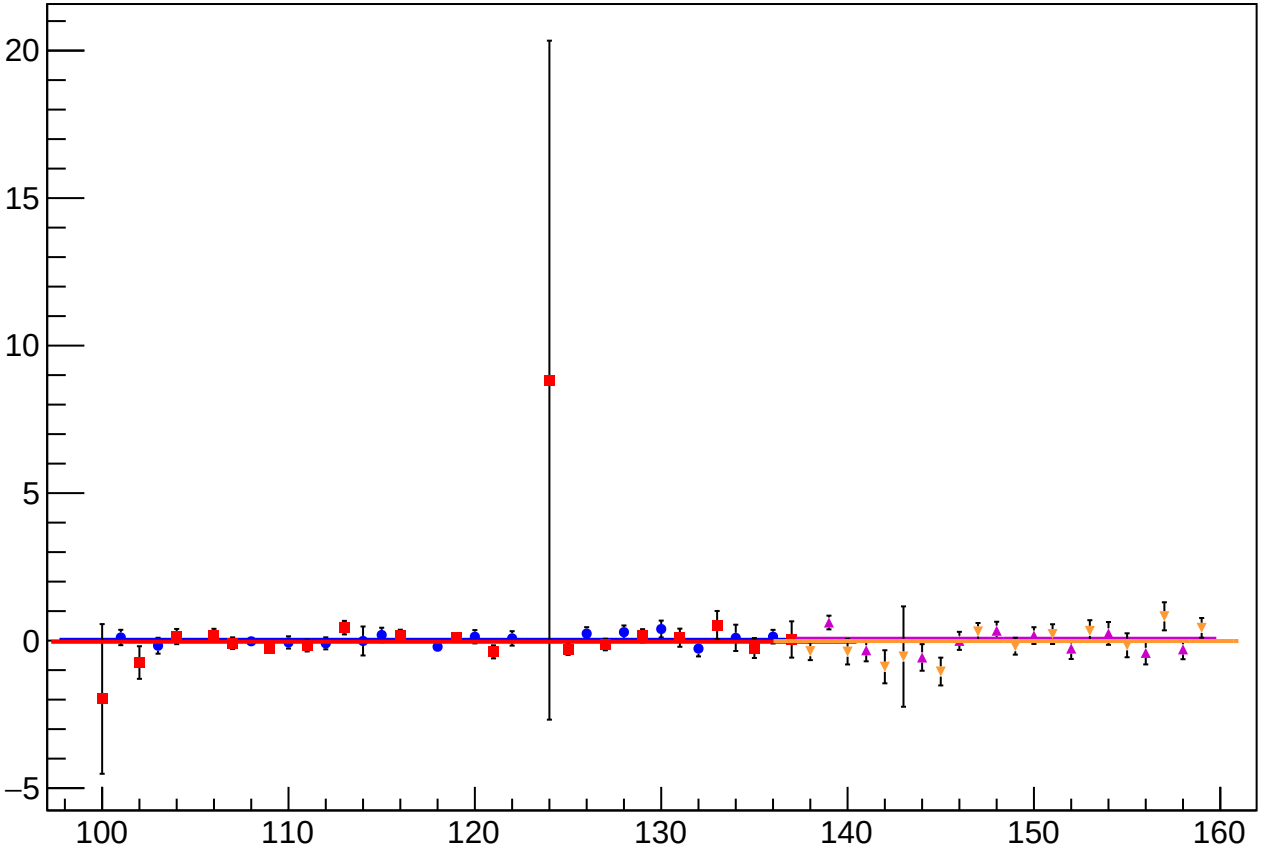
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7441049.1/25

Out: 0.006+/-0.000 χ^2/NDF:6791864.3/30

All: 0.006+/-0.000 χ^2/NDF: 14328889.4/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

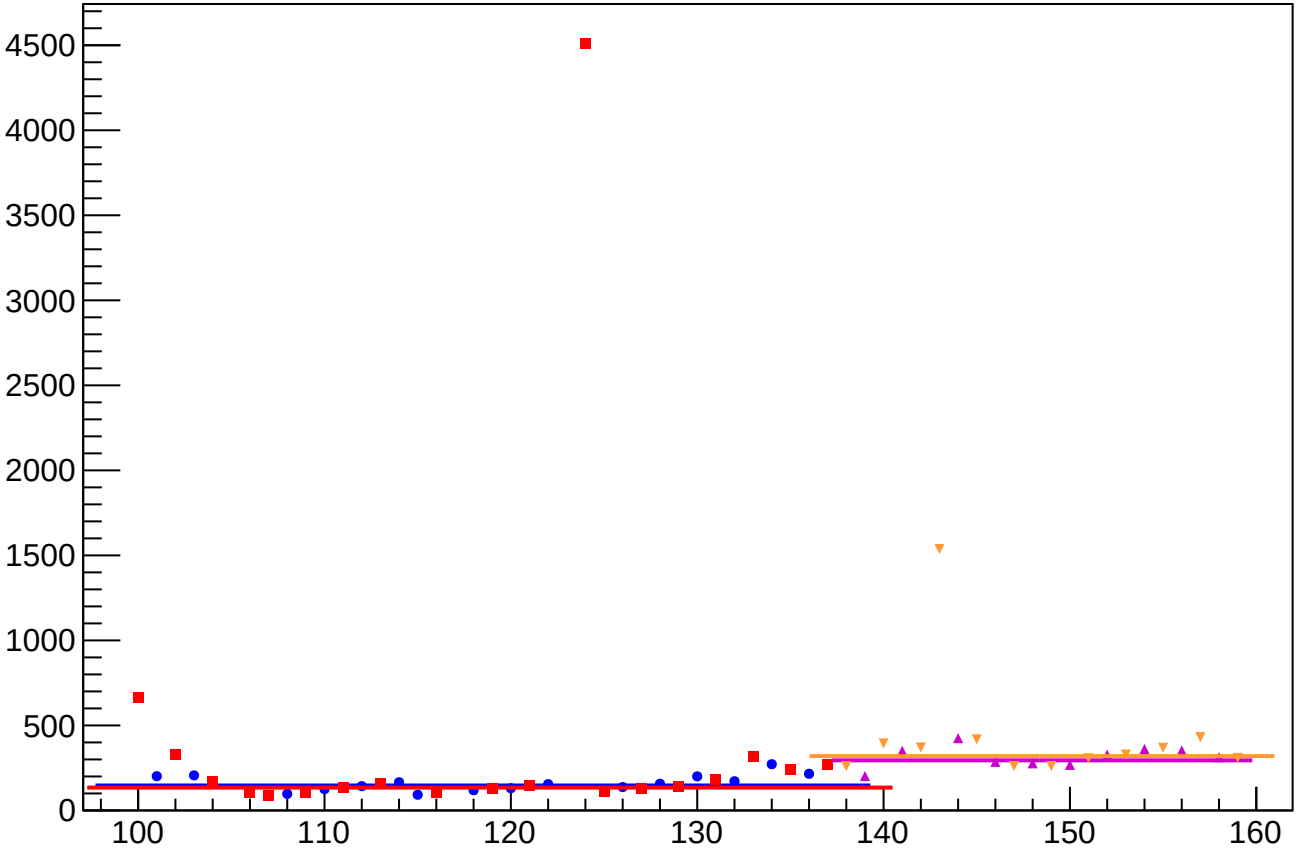
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

Left: 306.457+/-0.053 χ^2/NDF: 2312660.3/21

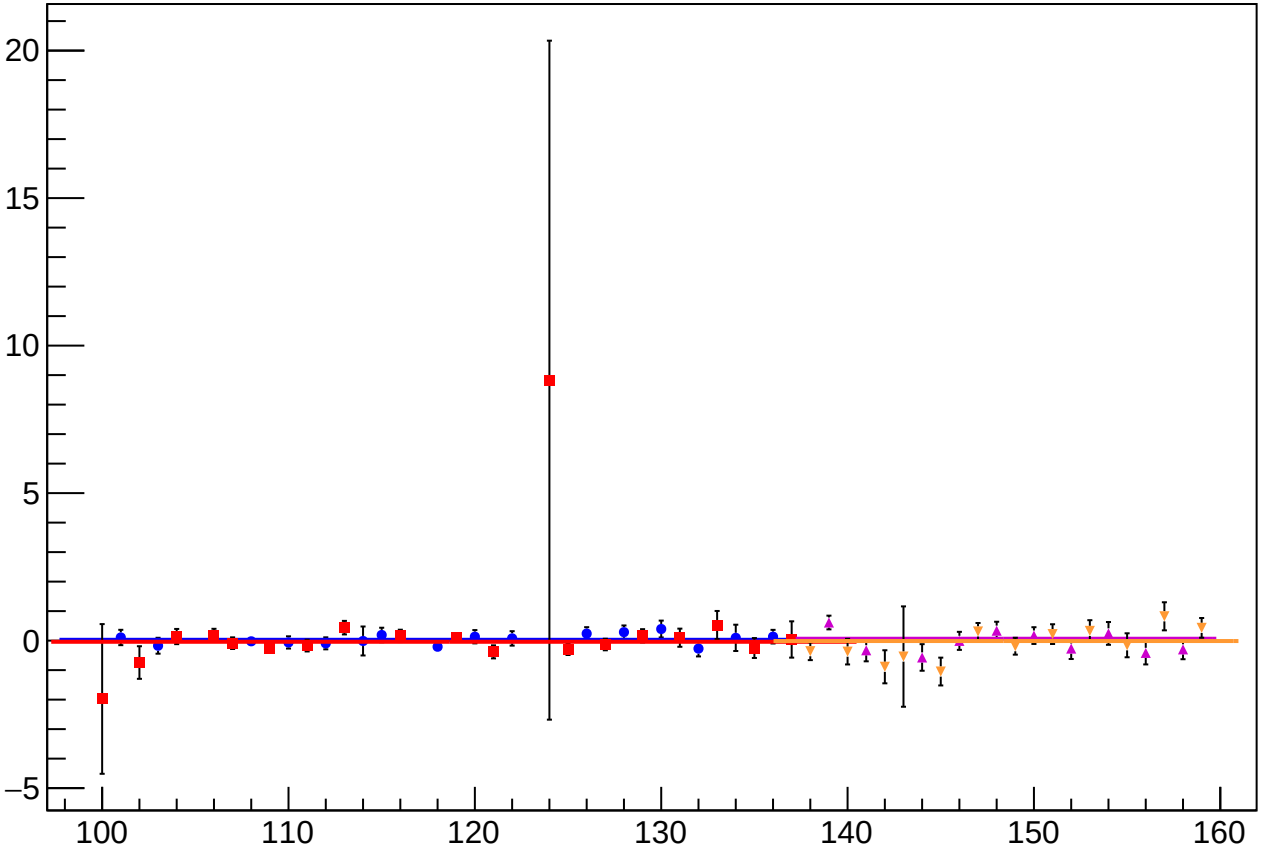
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

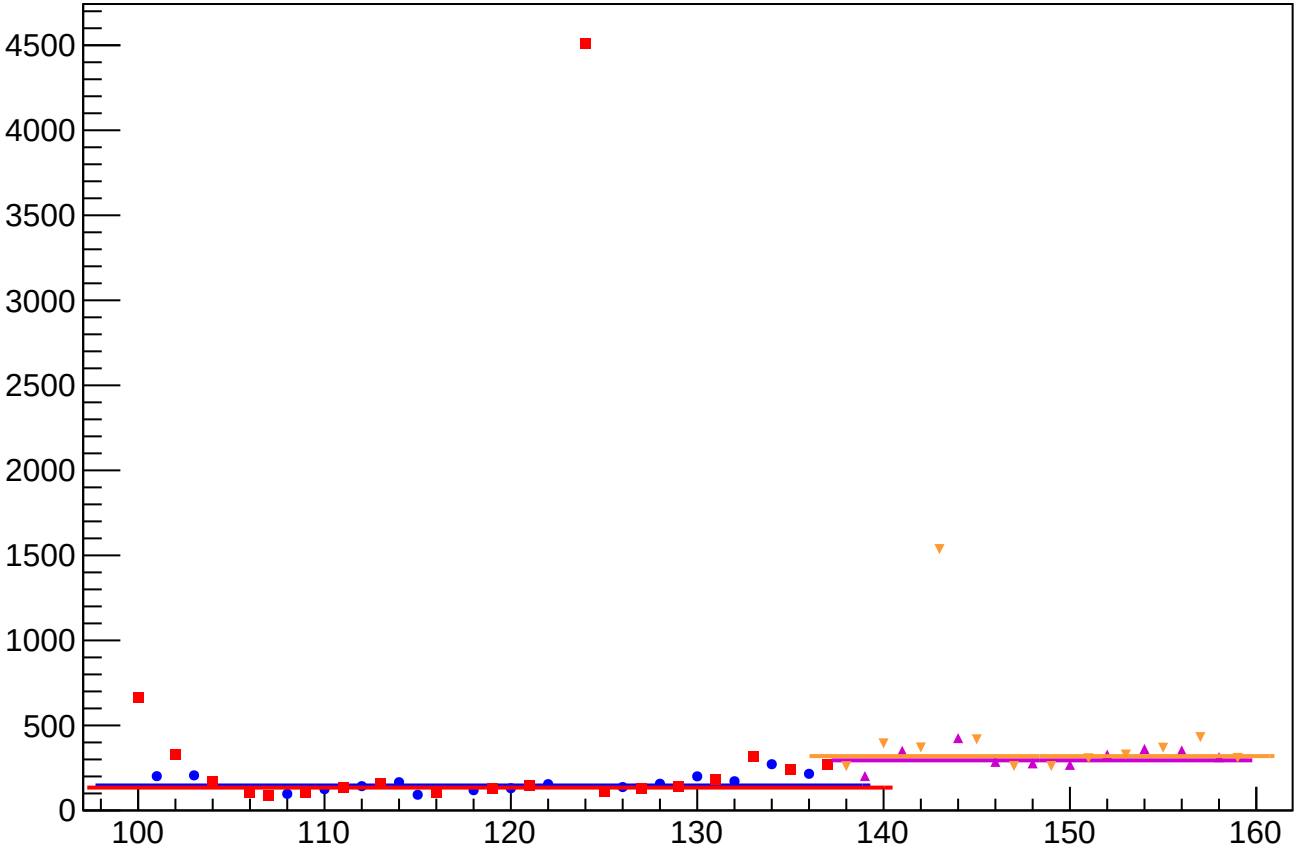
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

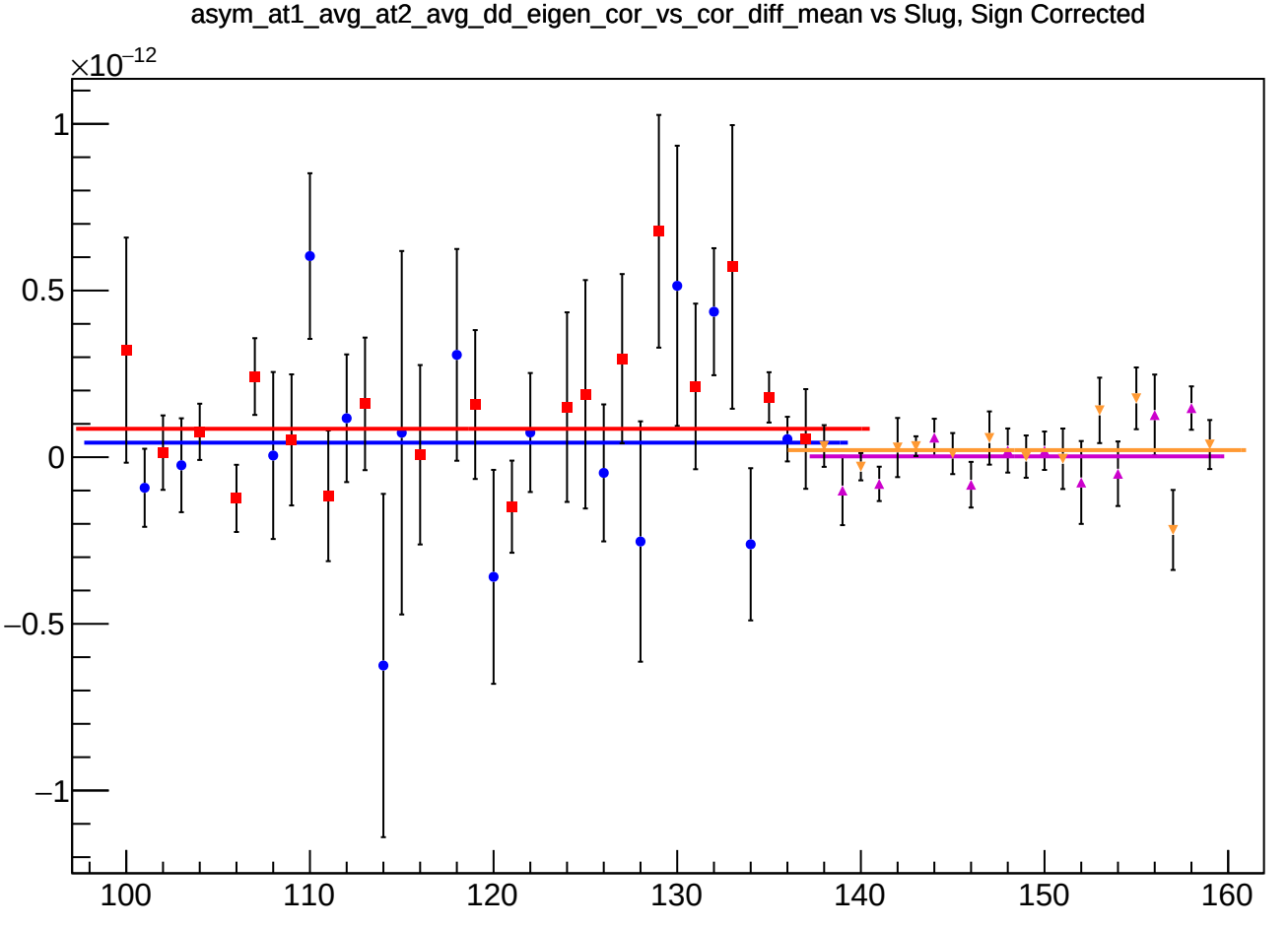
Left: 306.457+/-0.053 χ^2/NDF: 2312660.3/21

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/9

Left: 0.000+/-0.000 χ^2/NDF: 23.8/21

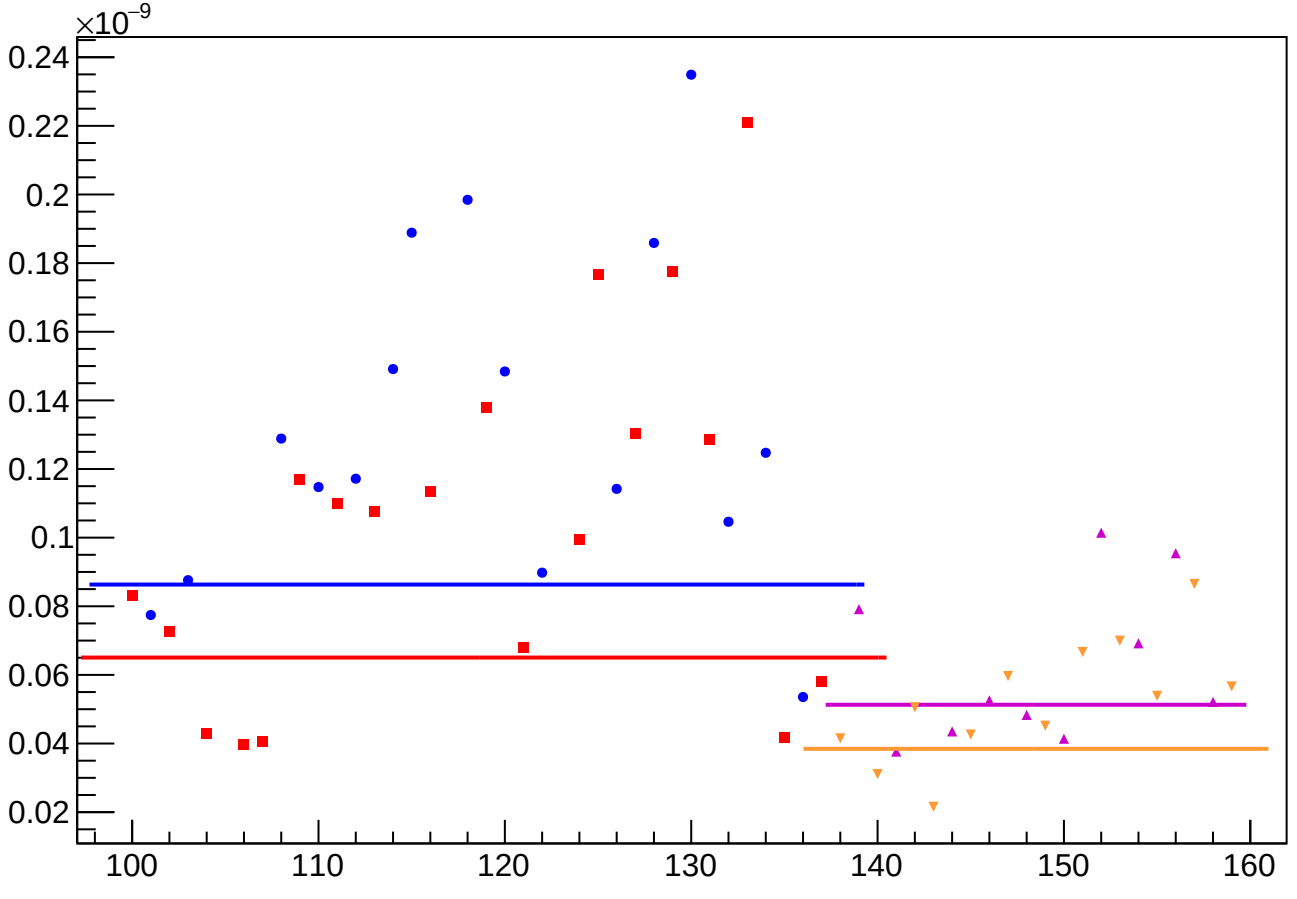
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/30

All: 0.000+/-0.000 χ^2/NDF: 64.8/56

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:1825264.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

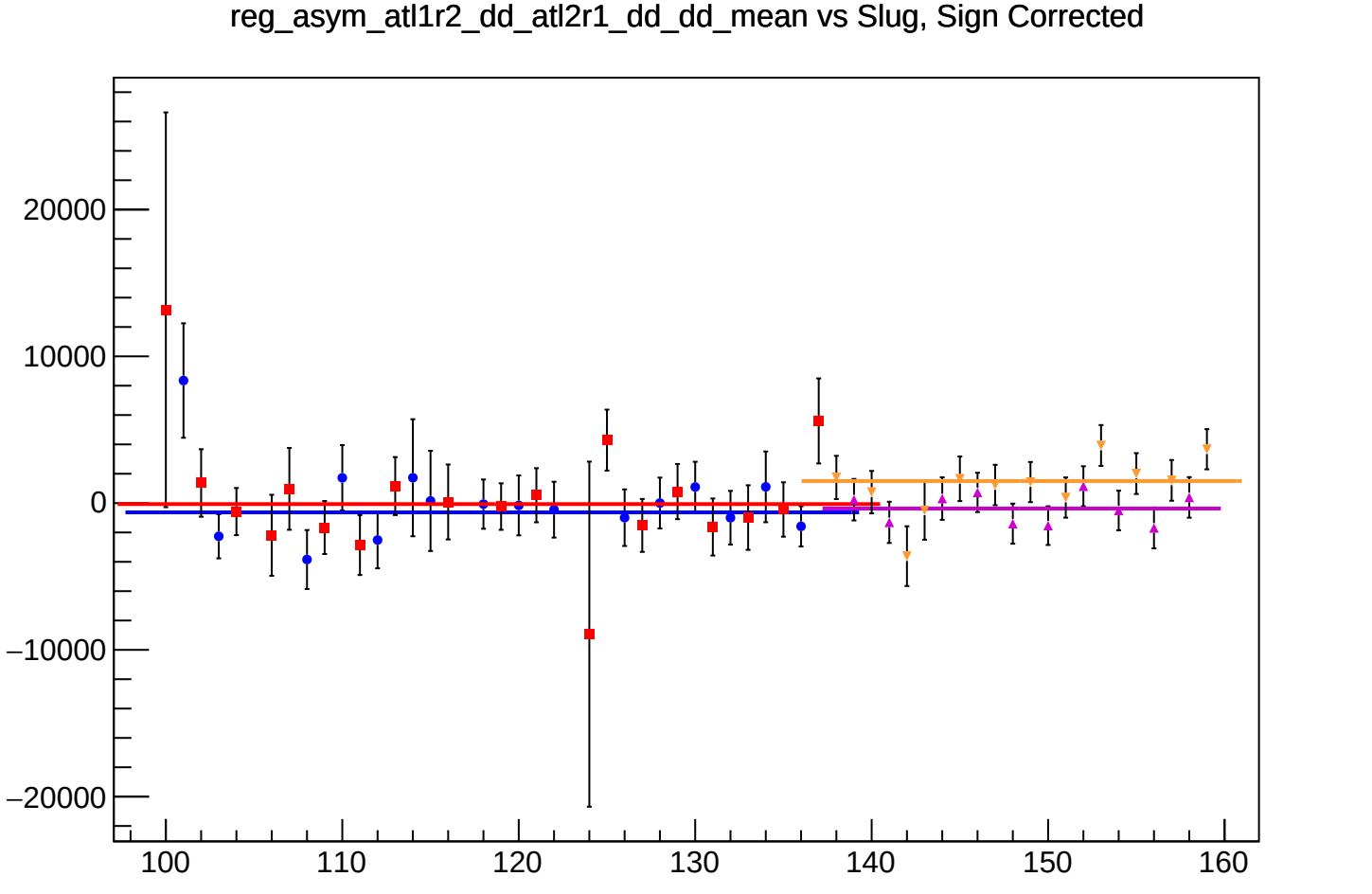
Left: 0.000+/-0.000 χ^2/NDF: 3283125.0/21

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3664712.7/25

Out: 0.000+/-0.000 χ^2/NDF:4947923.5/30

All: 0.000+/-0.000 χ^2/NDF: 9329221.1/56



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.699+/-424.834 χ^2/NDF:14.0/11

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -370.992+/-435.347 χ^2/NDF:5.3/9

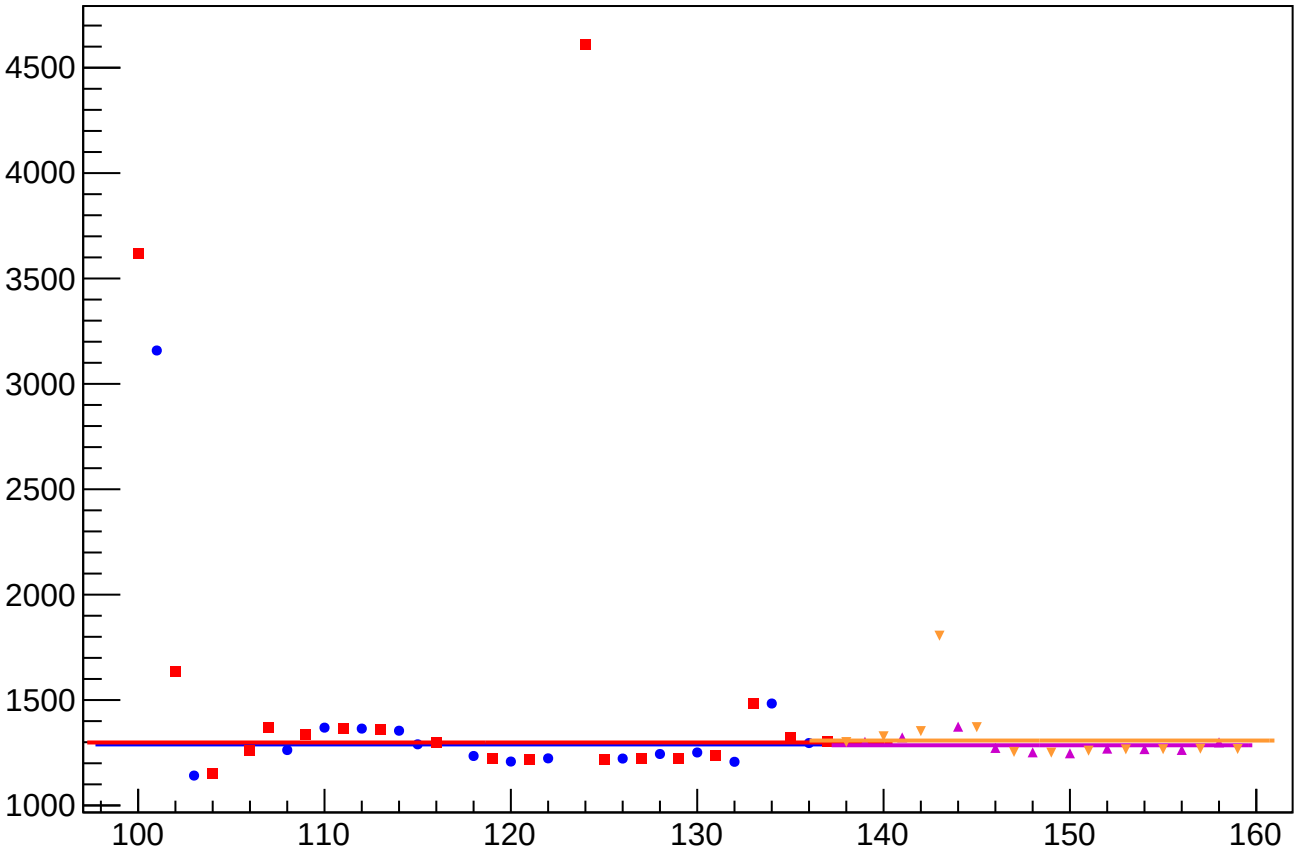
Left: 588.751+/-304.052 χ^2/NDF: 28.8/21

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -486.062+/-325.059 χ^2/NDF:19.4/25

Out: 825.297+/-320.356 χ^2/NDF:35.8/30

All: 179.172+/-228.170 χ^2/NDF: 63.4/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

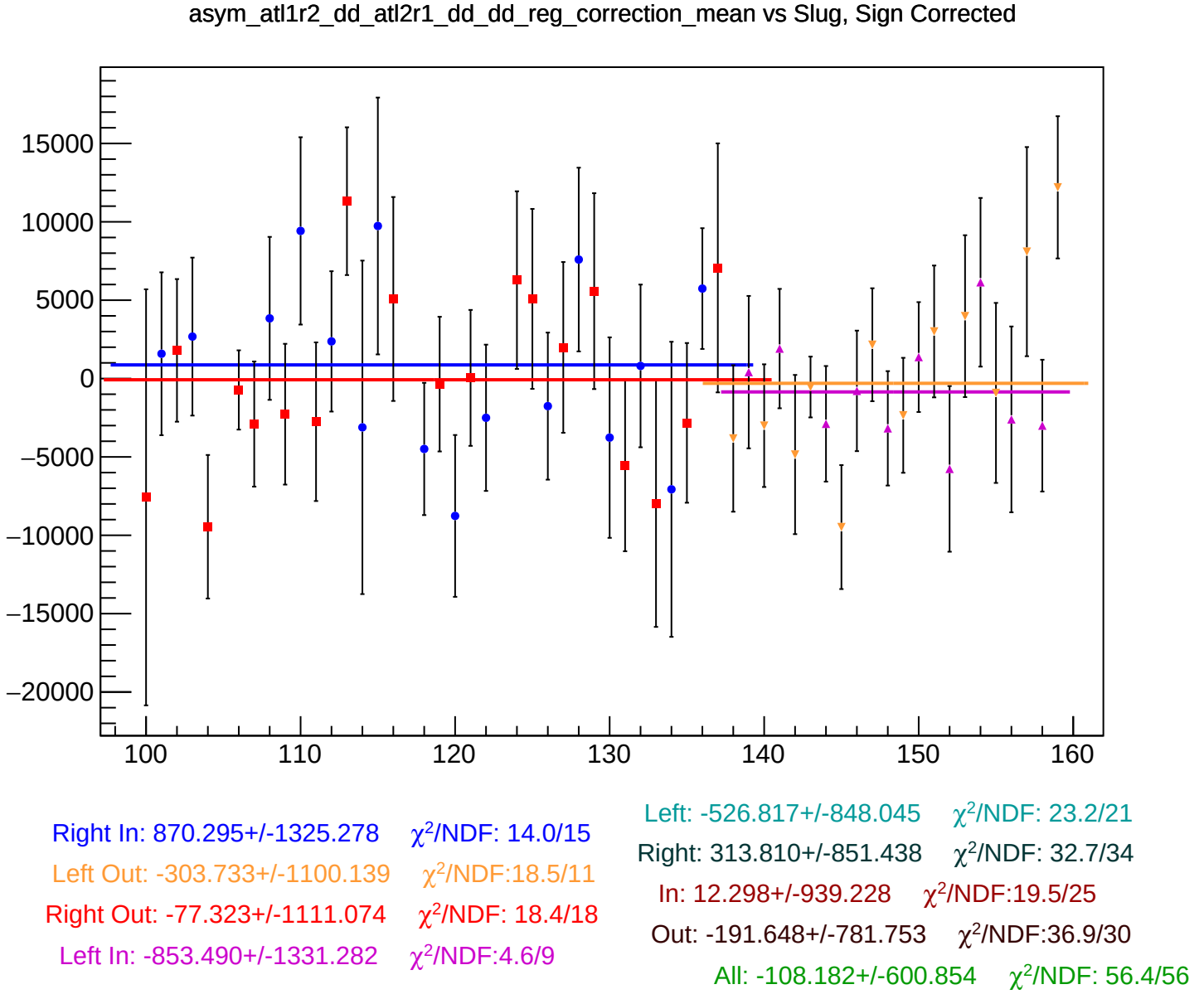
Left: 1296.894+/-0.215 χ^2/NDF: 160852.1/21

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

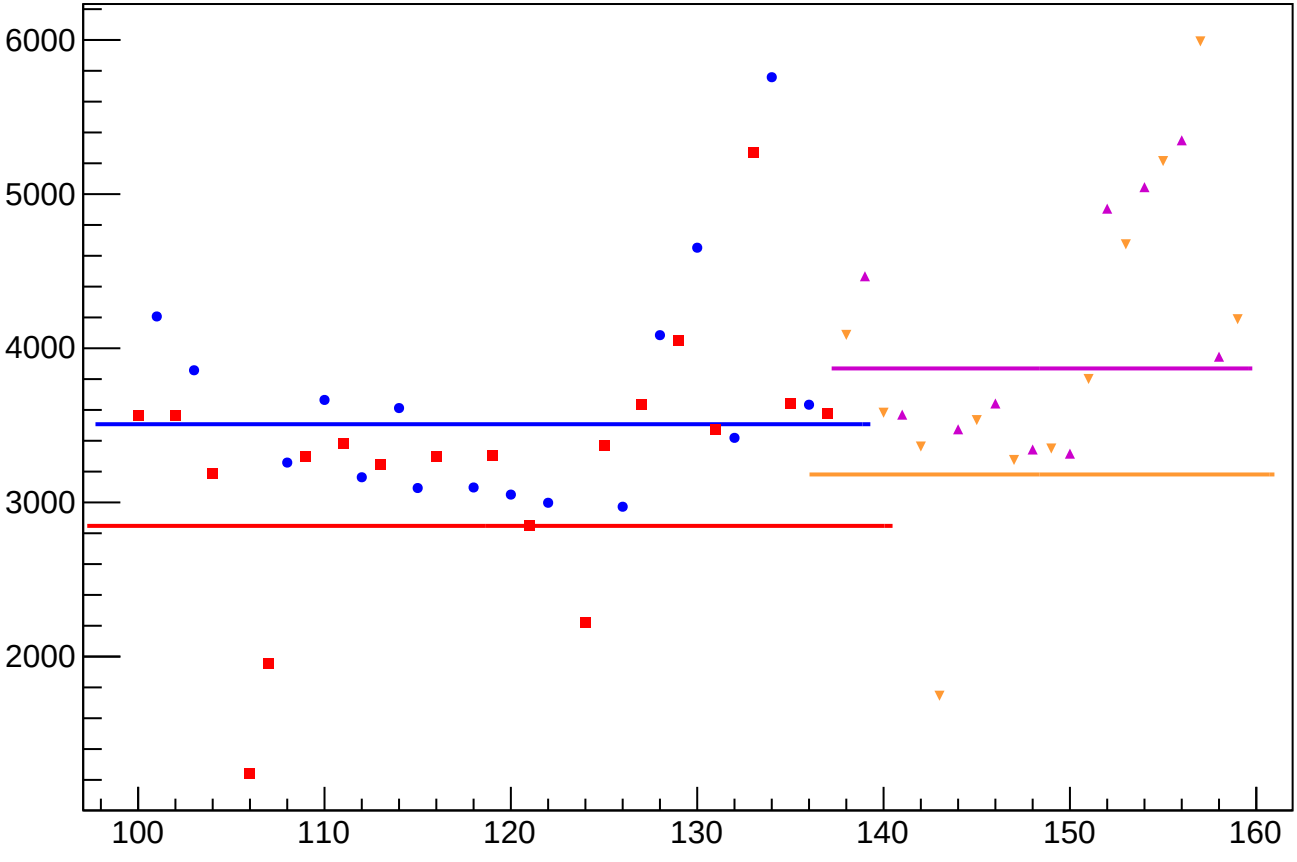
In: 1287.207+/-0.230 χ^2/NDF:528223.0/25

Out: 1303.859+/-0.226 χ^2/NDF:464443.4/30

All: 1295.664+/-0.161 χ^2/NDF: 995332.1/56


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -303.733+/-1100.139 χ²/NDF:18.5/11
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -853.490+/-1331.282 χ²/NDF:4.6/9
Left: -526.817+/-848.045 χ²/NDF: 23.2/21
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 12.298+/-939.228 χ²/NDF:19.5/25
Out: -191.648+/-781.753 χ²/NDF:36.9/30
All: -108.182+/-600.854 χ²/NDF: 56.4/56

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: 3181.363+/-0.778 χ^2/NDF:2129386.8/11

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

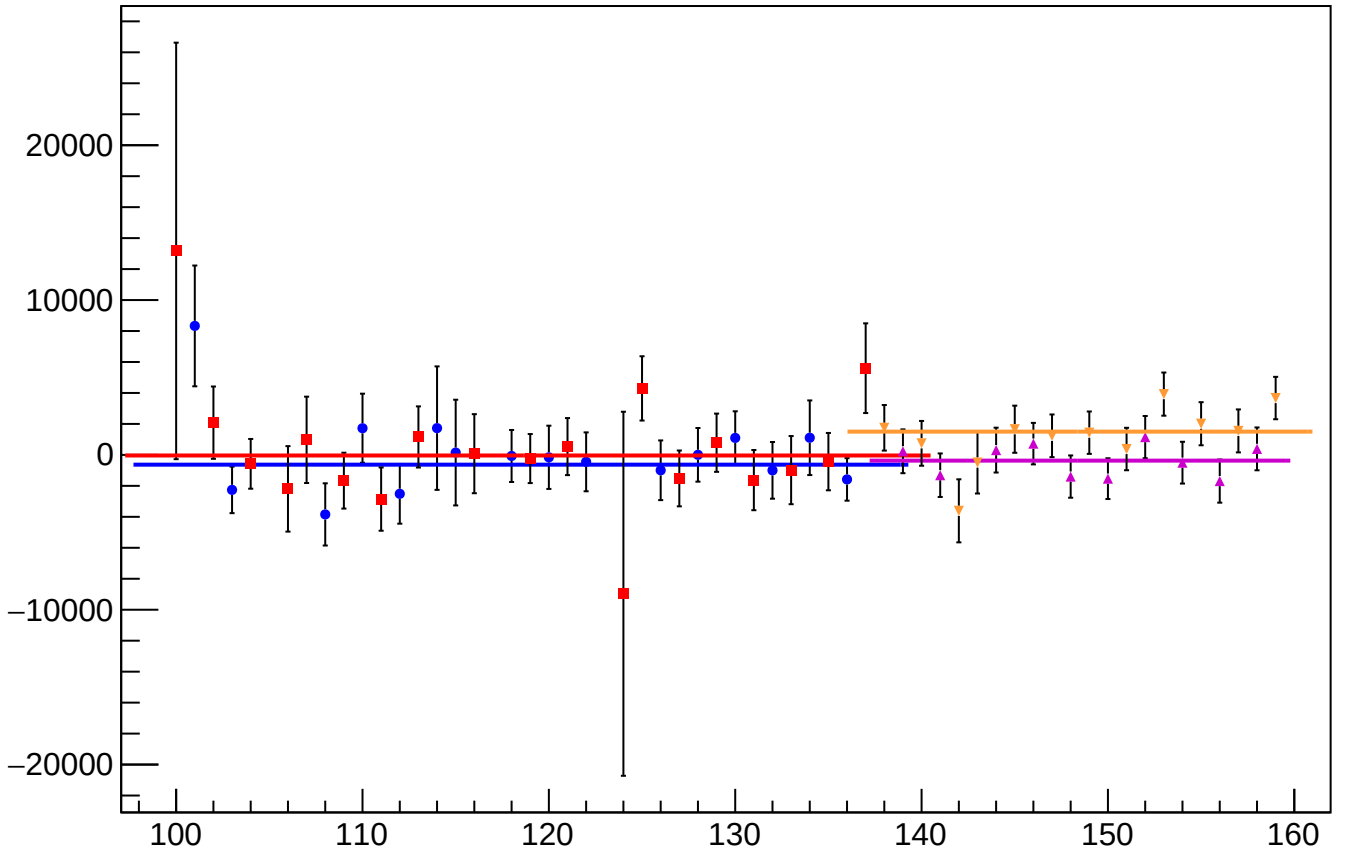
Left: 3460.456+/-0.600 χ^2/NDF: 2908160.8/21

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3687.453+/-0.664 χ^2/NDF:889723.8/25

Out: 3016.247+/-0.553 χ^2/NDF:3719764.2/30

All: 3290.943+/-0.425 χ^2/NDF: 5212877.0/56



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

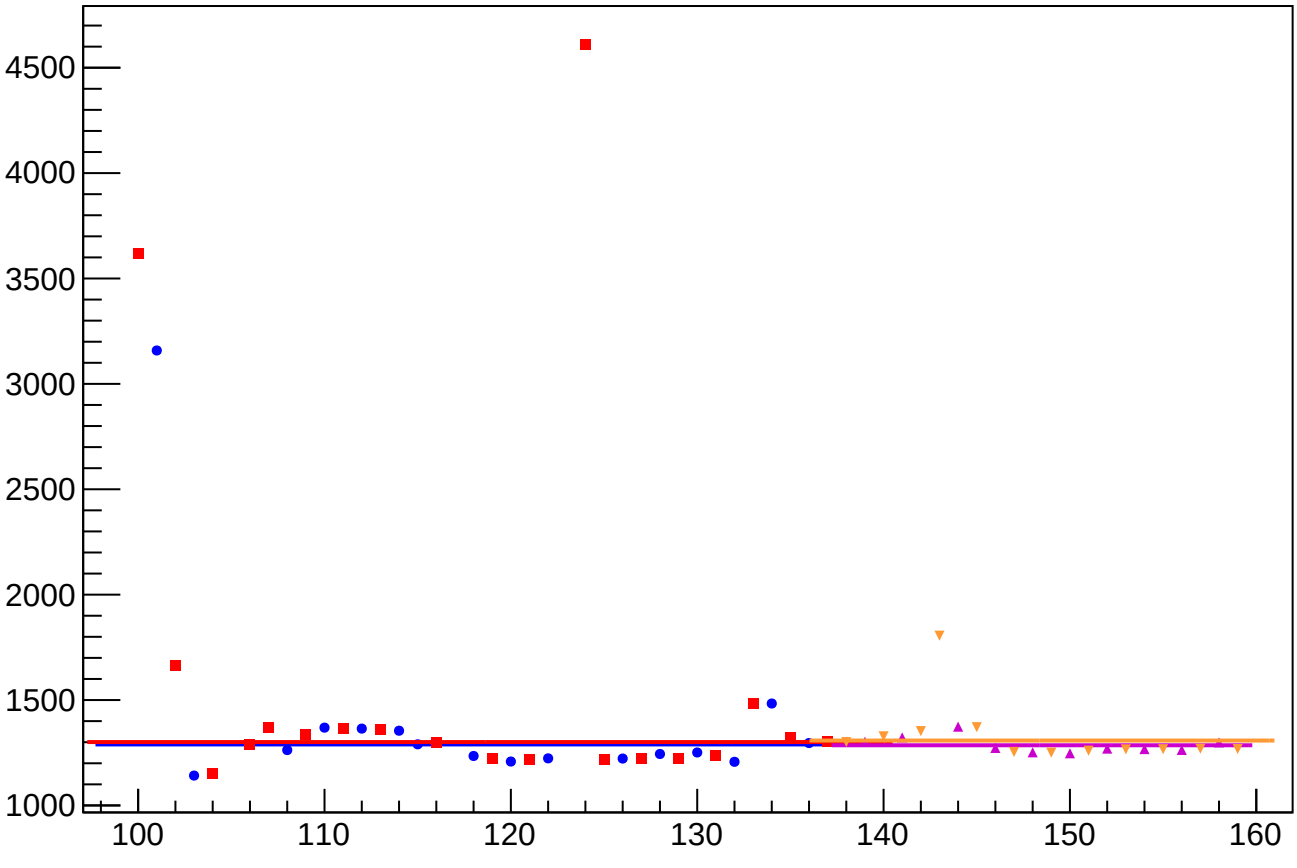
Left: 588.756+/-304.052 χ^2/NDF: 28.8/21

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 185.506+/-228.203 χ^2/NDF: 63.8/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

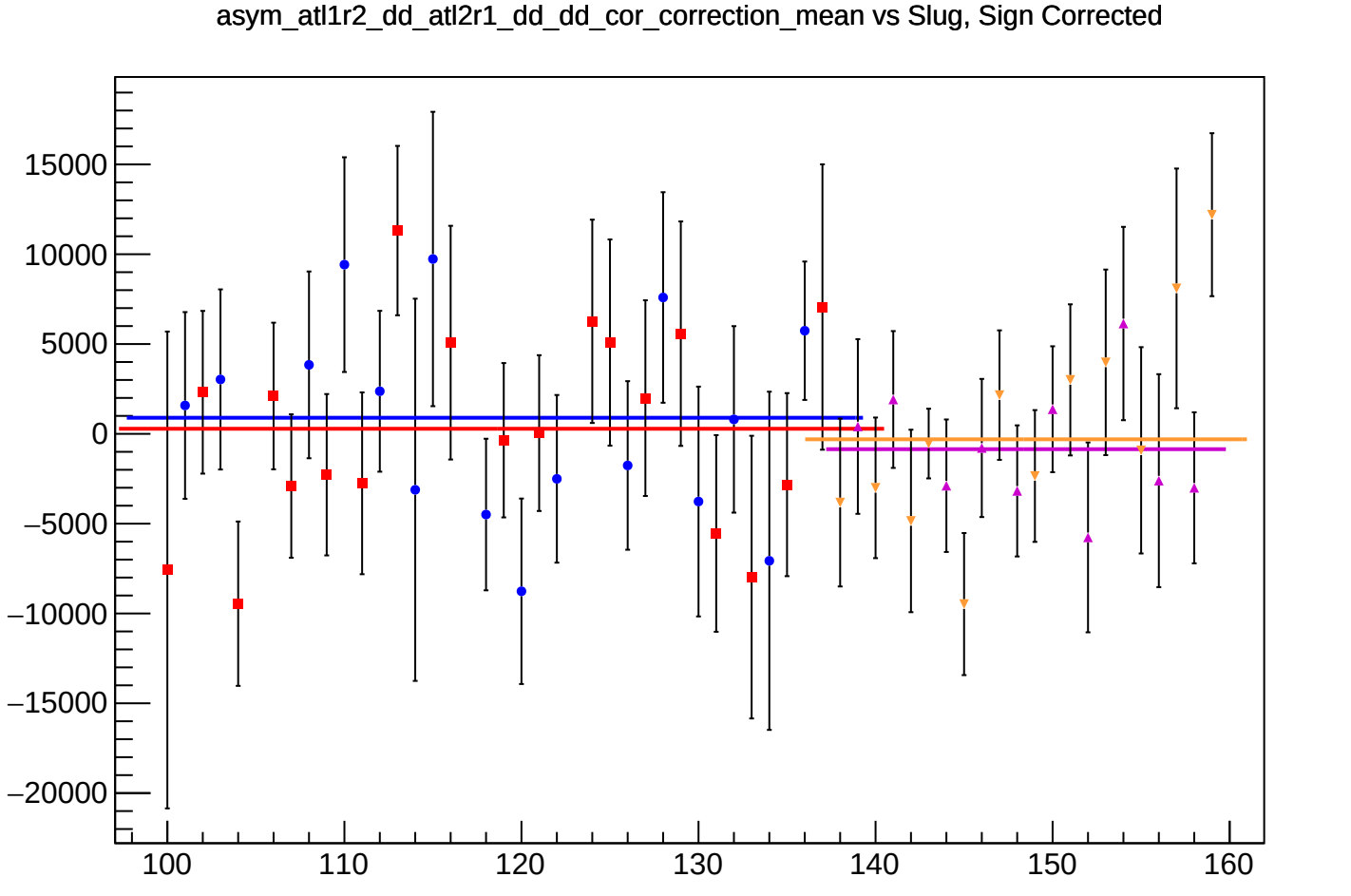
Left: 1296.894+/-0.215 χ^2/NDF: 160852.0/21

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
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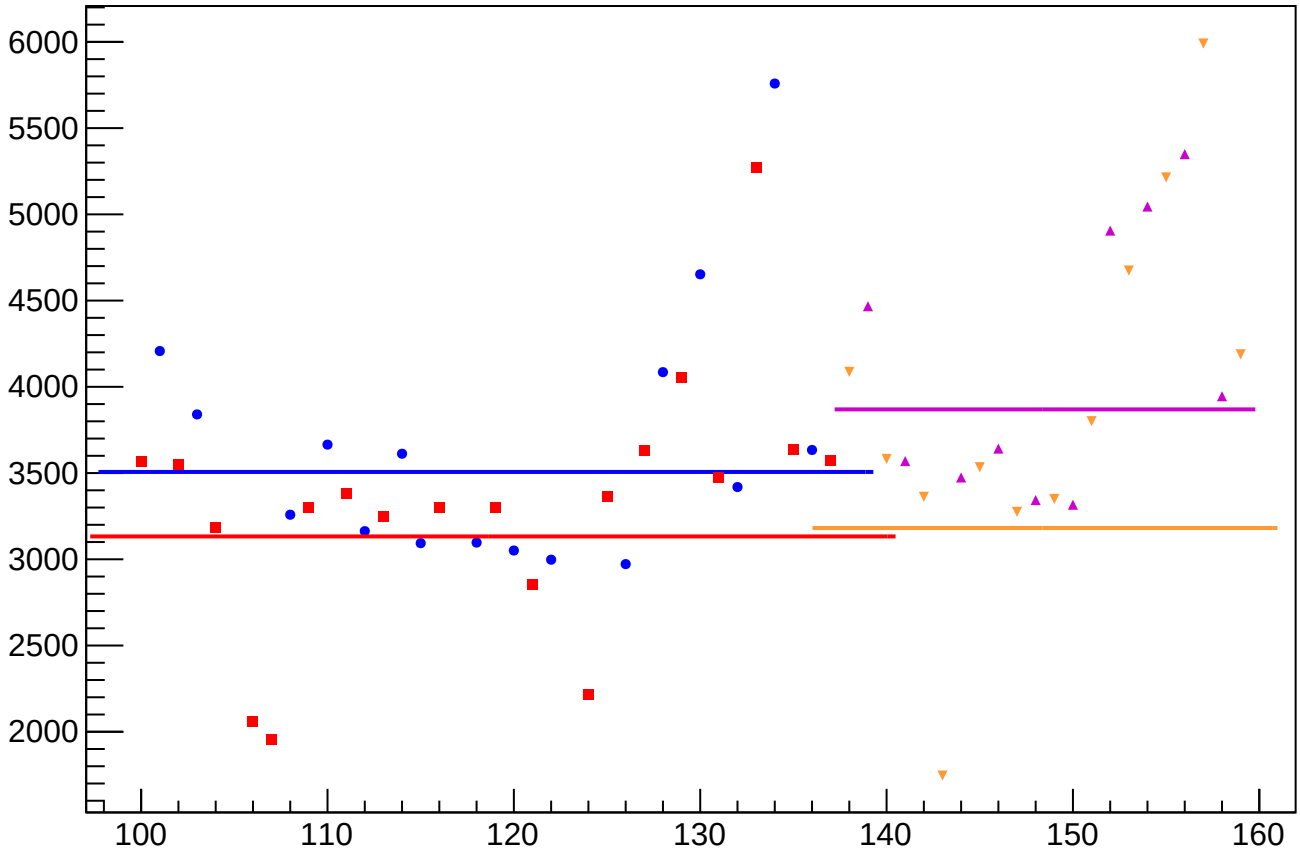
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -303.634+/-1100.137 χ²/NDF:18.5/11
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -526.788+/-848.043 χ²/NDF: 23.2/21
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -7.155+/-611.467 χ²/NDF: 56.8/56



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

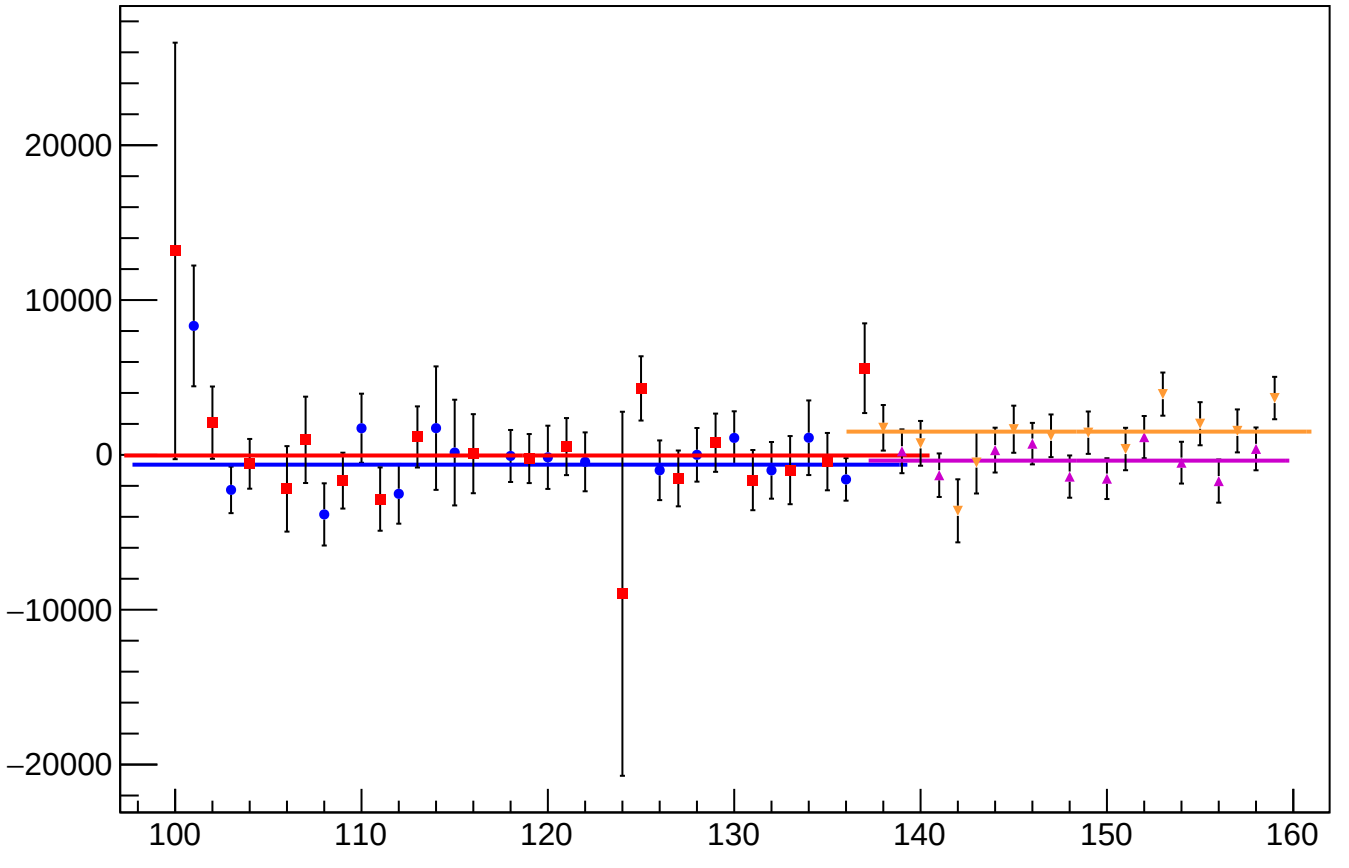
Left: 3460.447+/-0.600 χ^2/NDF: 2908190.8/21

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

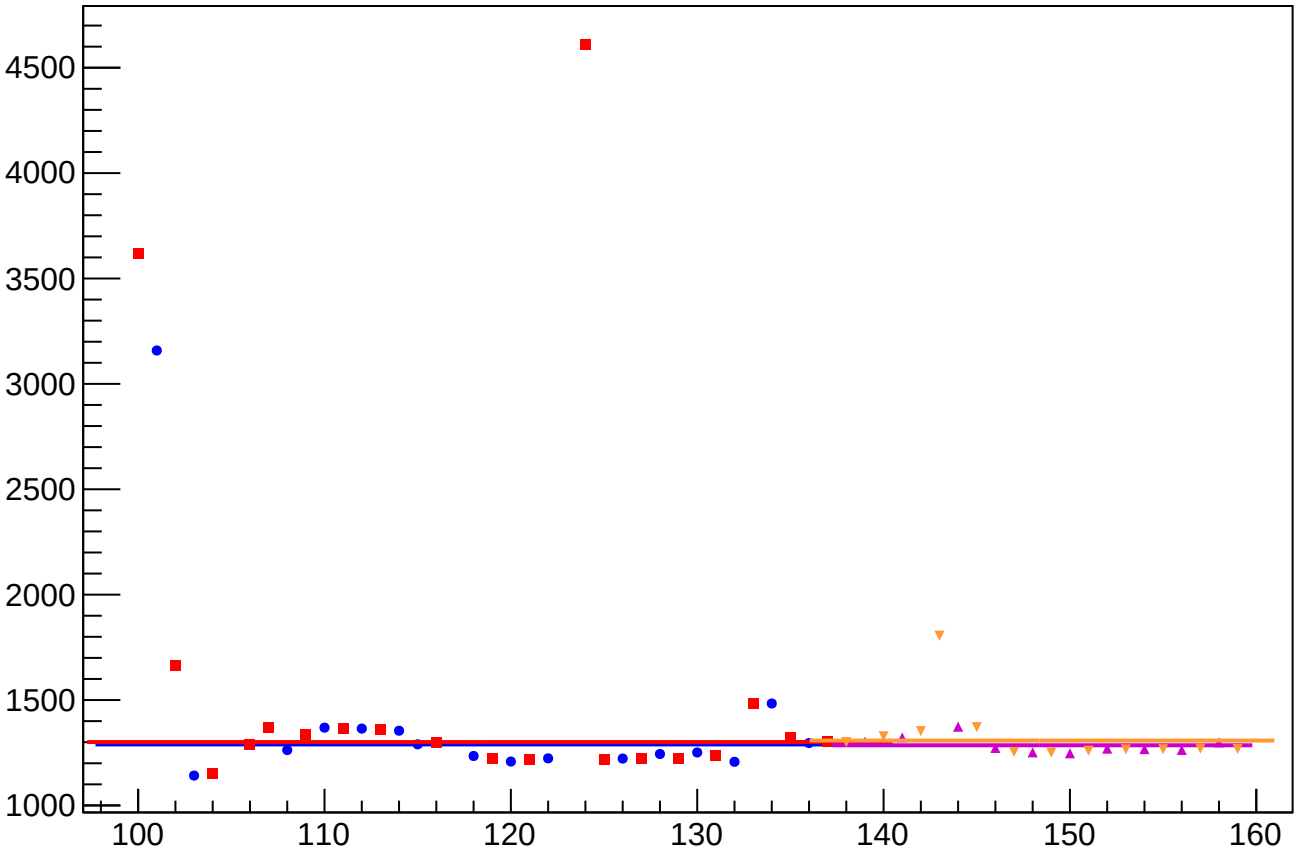
Left: 588.756+/-304.052 χ^2/NDF: 28.8/21

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 185.506+/-228.203 χ^2/NDF: 63.8/56



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1307.827+/-0.300 χ^2/NDF:144665.3/11

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

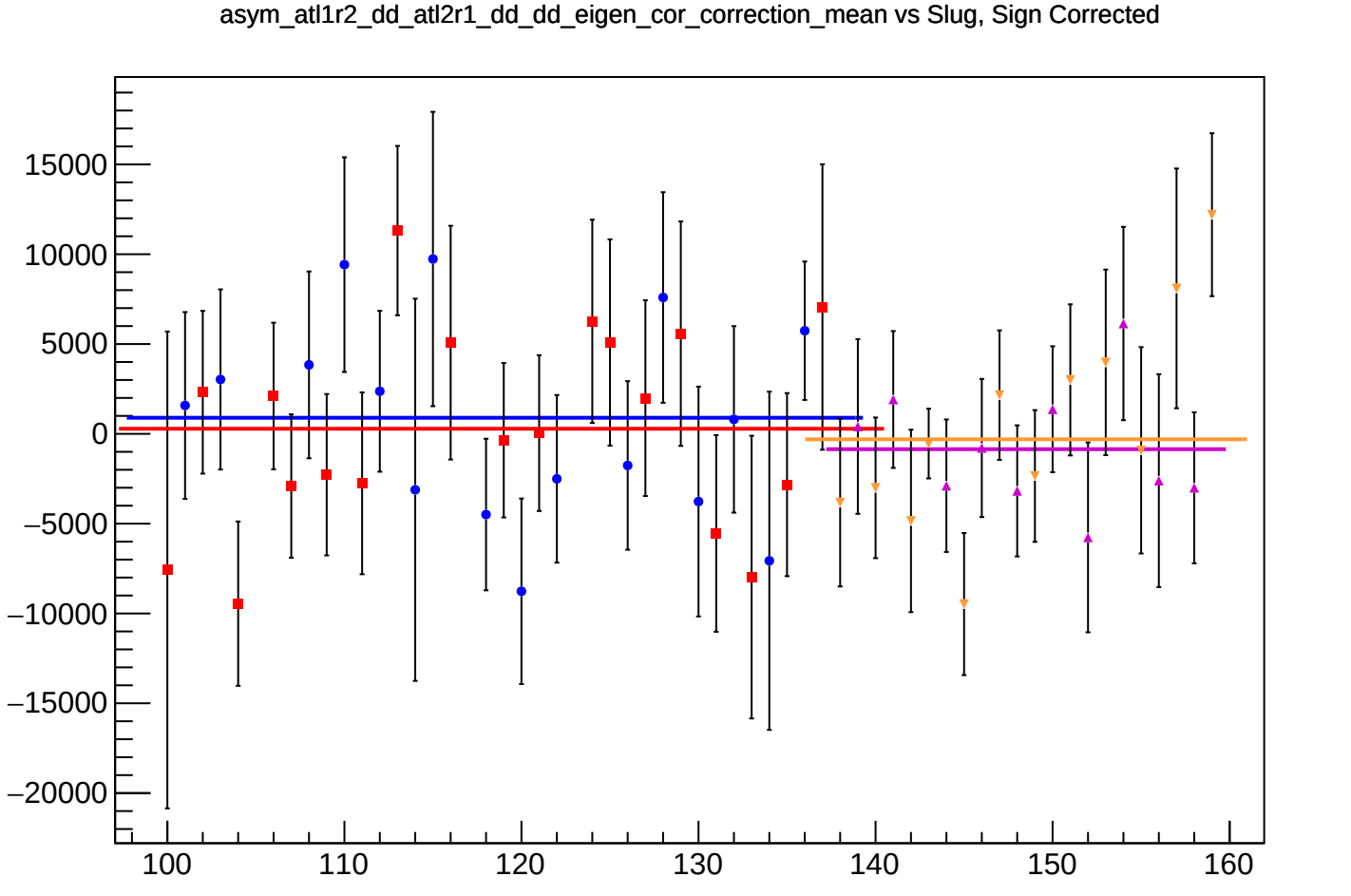
Left: 1296.894+/-0.215 χ^2/NDF: 160852.0/21

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -303.634+/-1100.137 χ^2/NDF:18.5/11

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -853.565+/-1331.280 χ^2/NDF:4.6/9

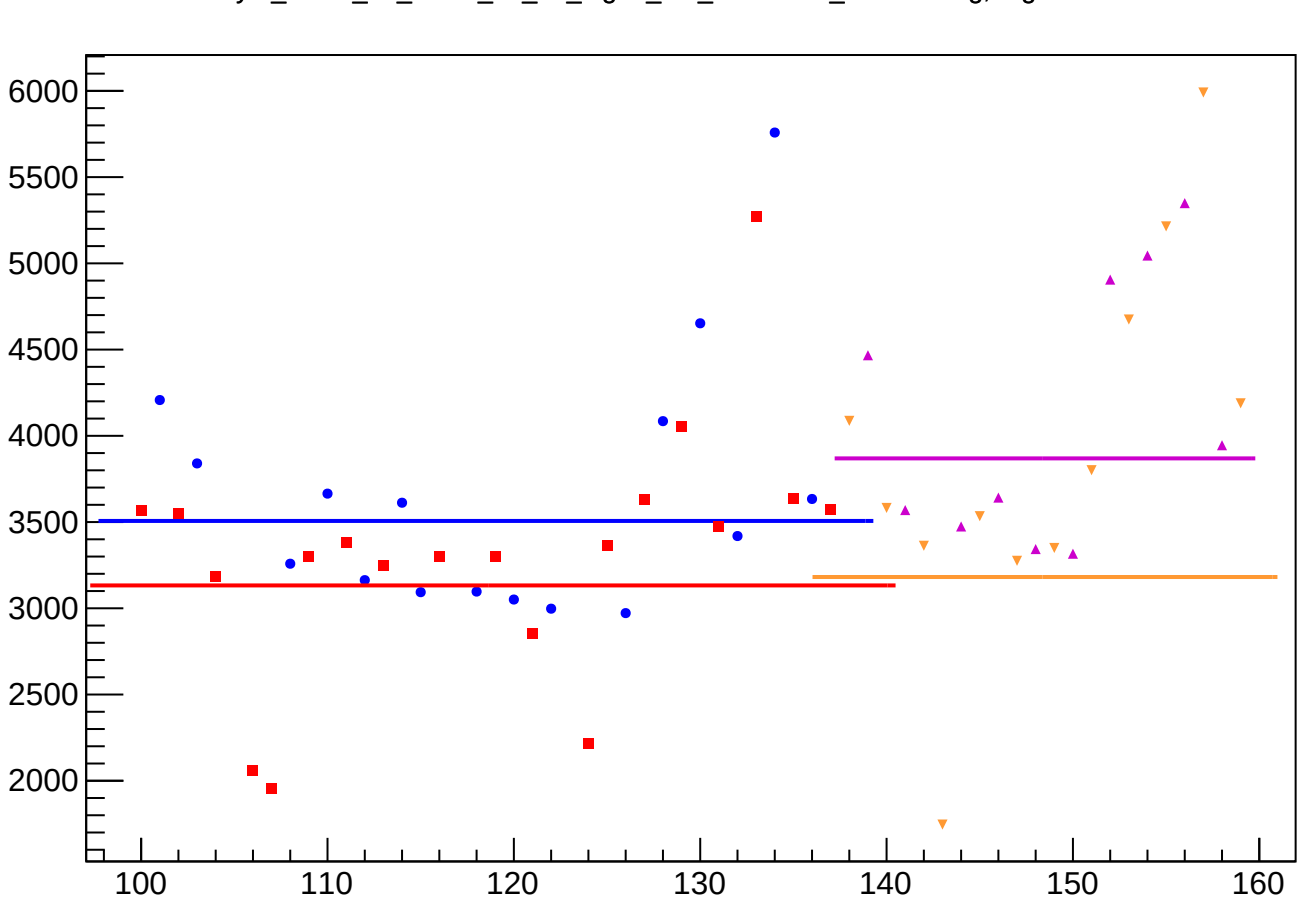
Left: -526.788+/-848.043 χ^2/NDF: 23.2/21

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 25.479+/-939.066 χ^2/NDF:19.6/25

Out: -31.176+/-805.671 χ^2/NDF:37.3/30

All: -7.155+/-611.467 χ^2/NDF: 56.8/56



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

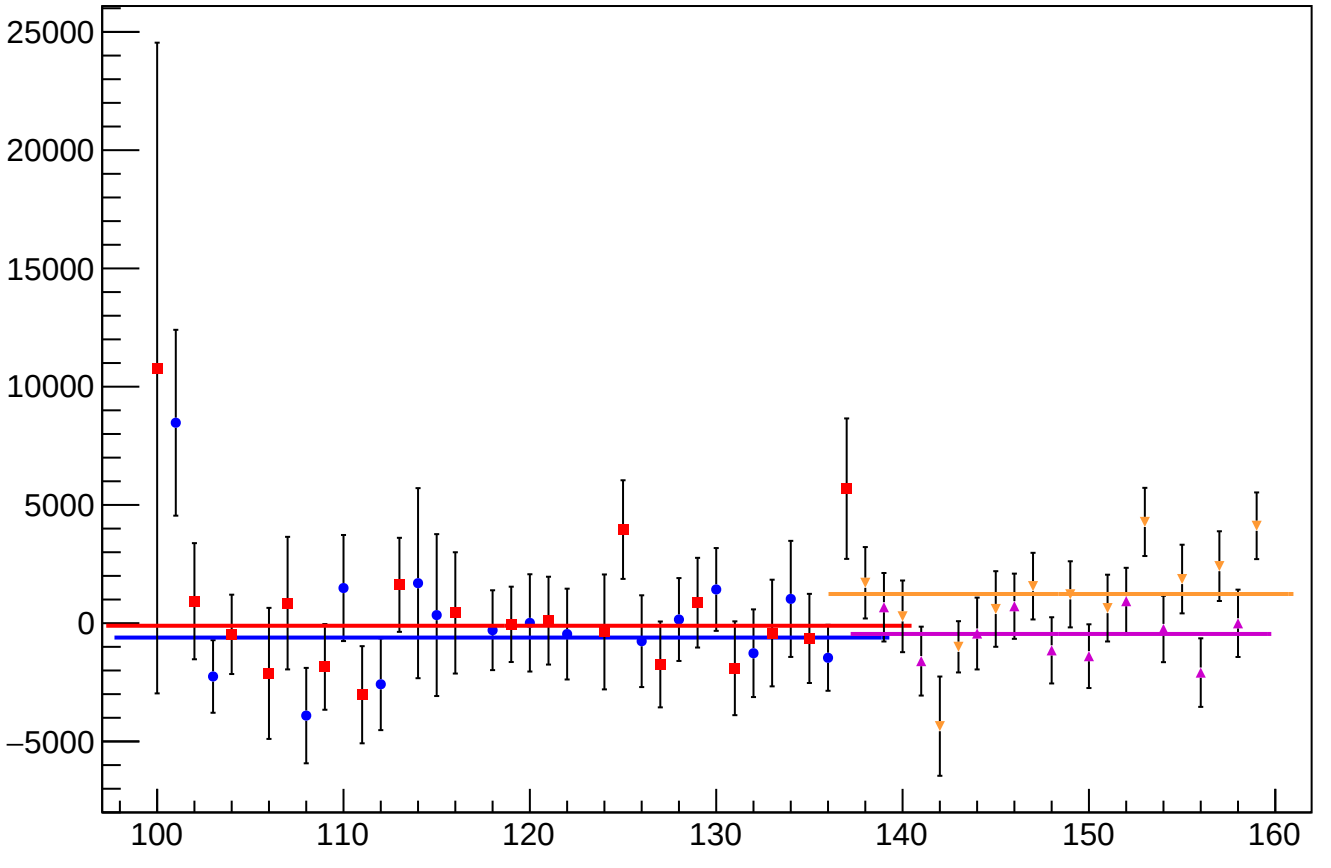
Left: 3460.447+/-0.600 χ^2/NDF: 2908190.8/21

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.548 χ^2/NDF:5.0/9

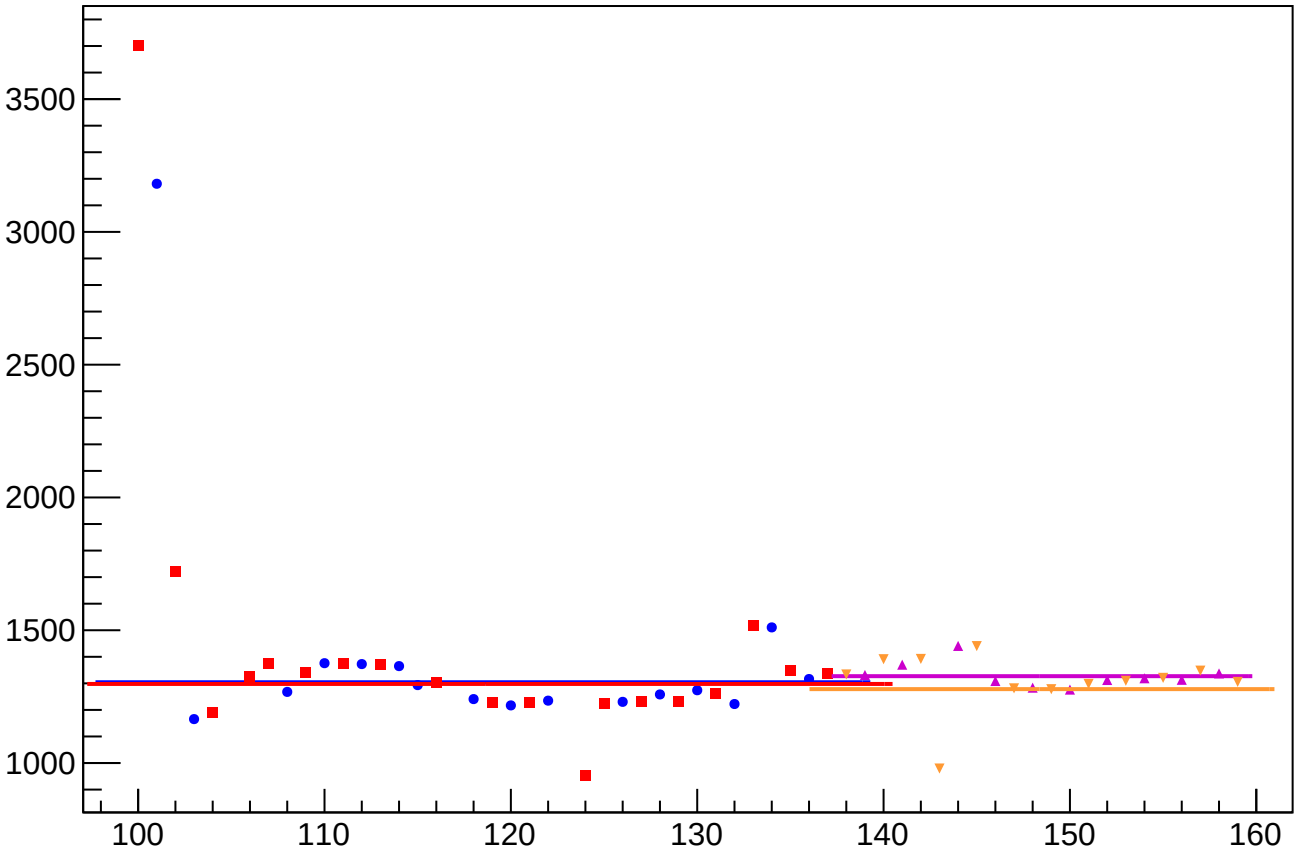
Left: 455.017+/-305.294 χ^2/NDF: 34.4/21

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -524.414+/-332.541 χ^2/NDF:19.2/25

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 101.352+/-229.022 χ^2/NDF: 66.9/56



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1278.303+/-0.294 χ^2/NDF:200587.6/11

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

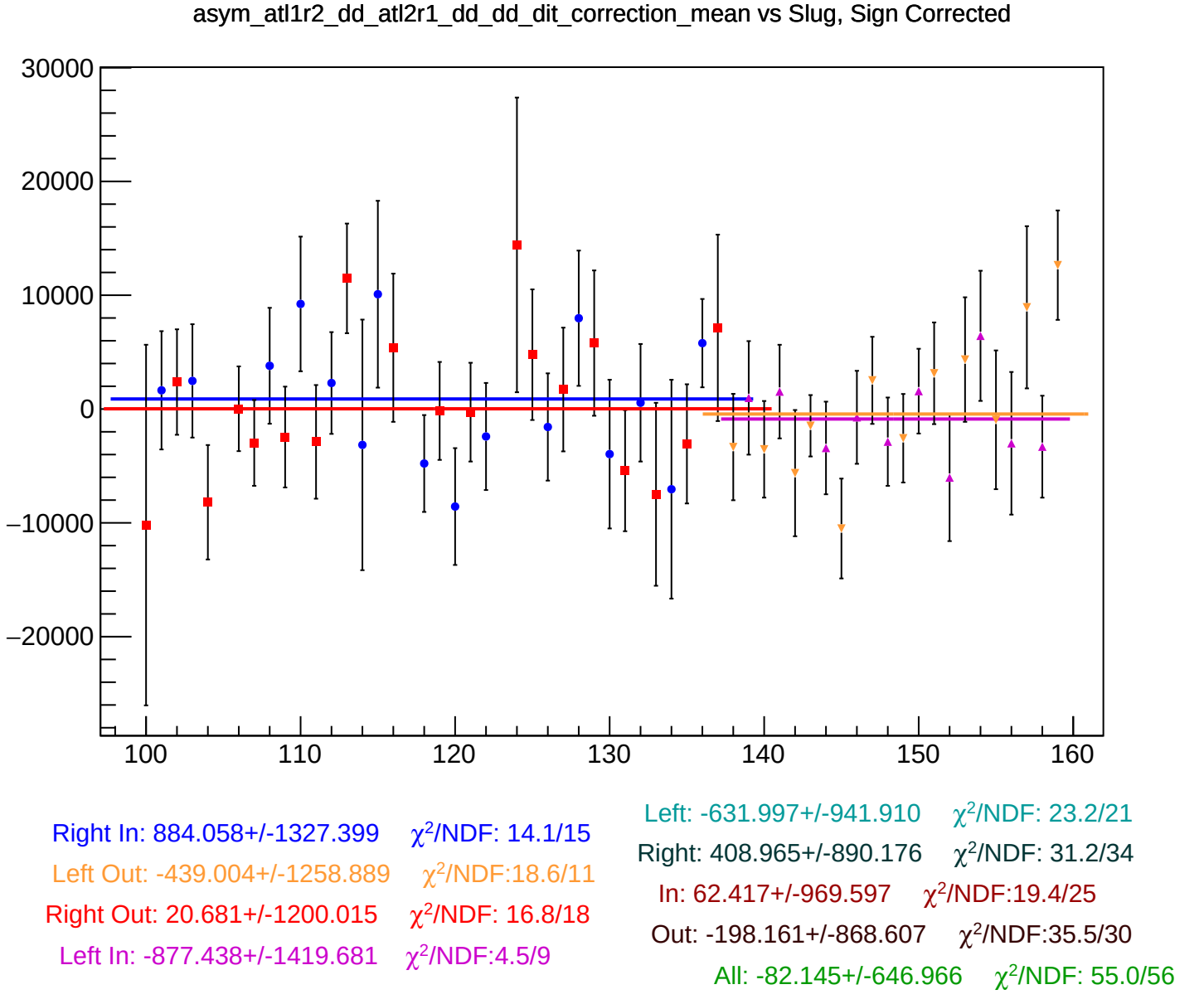
Left: 1300.790+/-0.216 χ^2/NDF: 231931.0/21

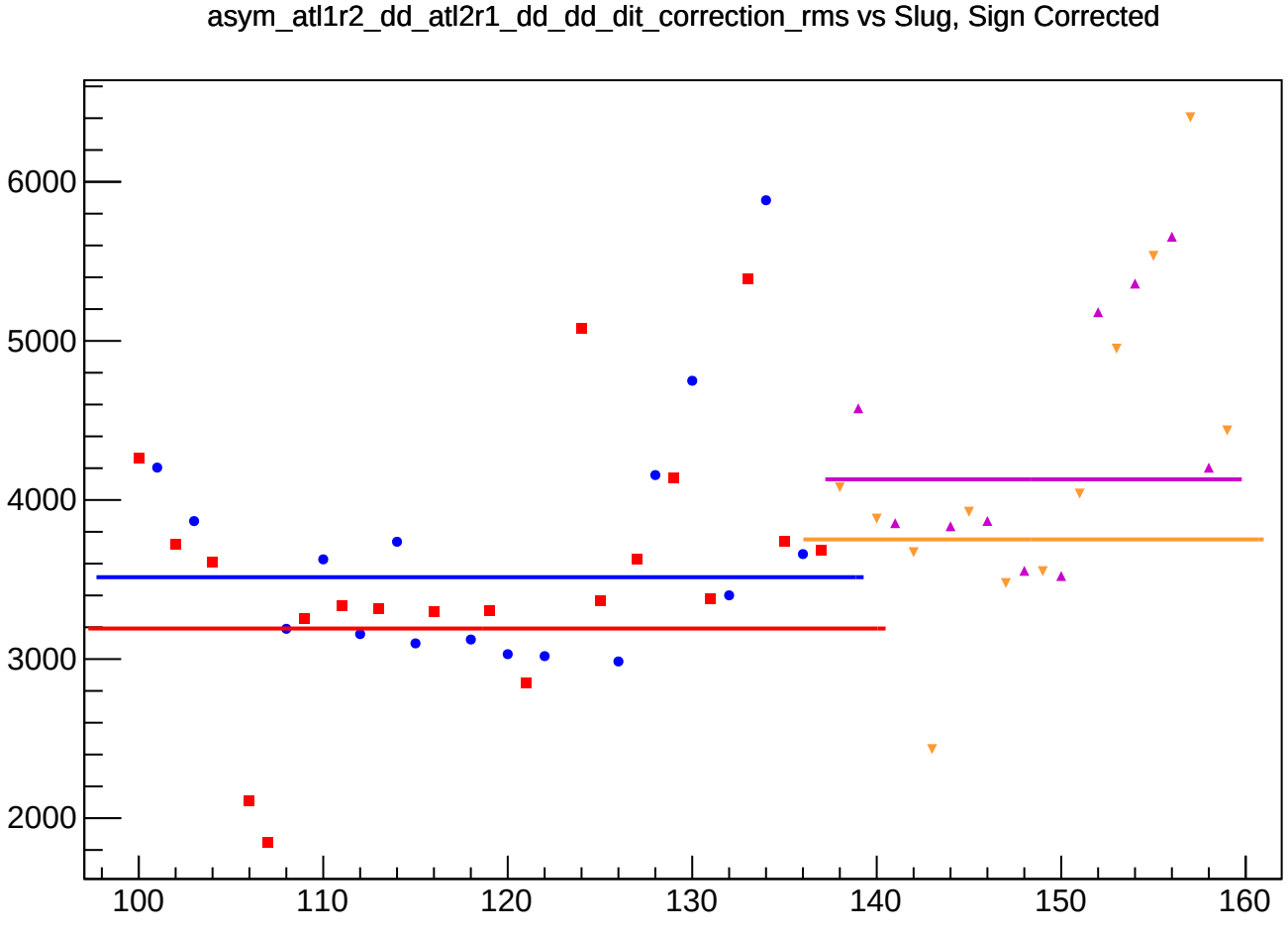
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.665+/-0.235 χ^2/NDF:531618.5/25

Out: 1286.560+/-0.223 χ^2/NDF:415545.4/30

All: 1300.834+/-0.162 χ^2/NDF: 955783.2/56


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -439.004+/-1258.889 χ²/NDF:18.6/11
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.681 χ²/NDF:4.5/9
Left: -631.997+/-941.910 χ²/NDF: 23.2/21
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 62.417+/-969.597 χ²/NDF:19.4/25
Out: -198.161+/-868.607 χ²/NDF:35.5/30
All: -82.145+/-646.966 χ²/NDF: 55.0/56



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

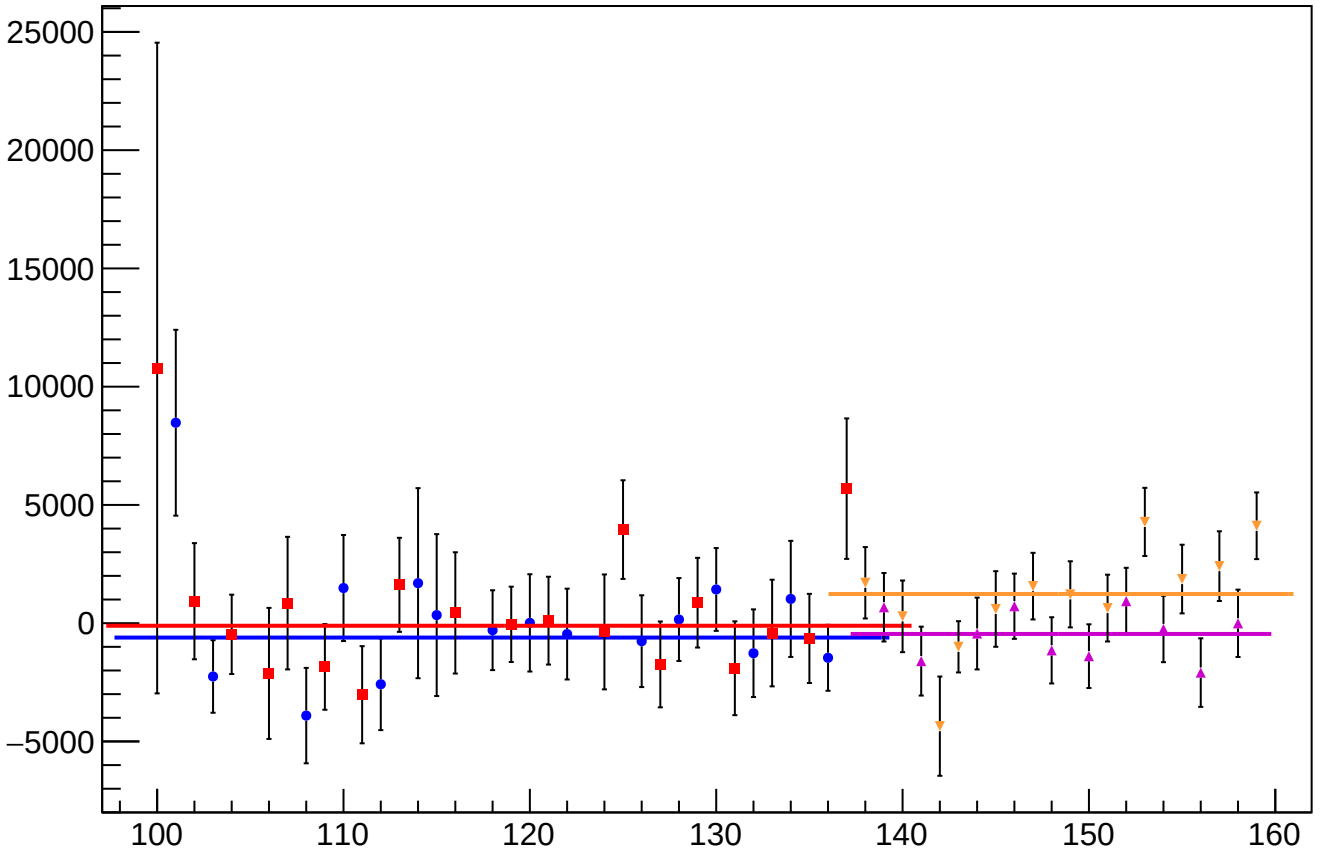
Left: 3918.427+/-0.666 χ^2/NDF: 1604573.7/21

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3801.752+/-0.686 χ^2/NDF:998981.7/25

Out: 3458.718+/-0.614 χ^2/NDF:2081450.1/30

All: 3611.445+/-0.457 χ^2/NDF: 3219311.7/56



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.285+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.549 χ^2/NDF:5.0/9

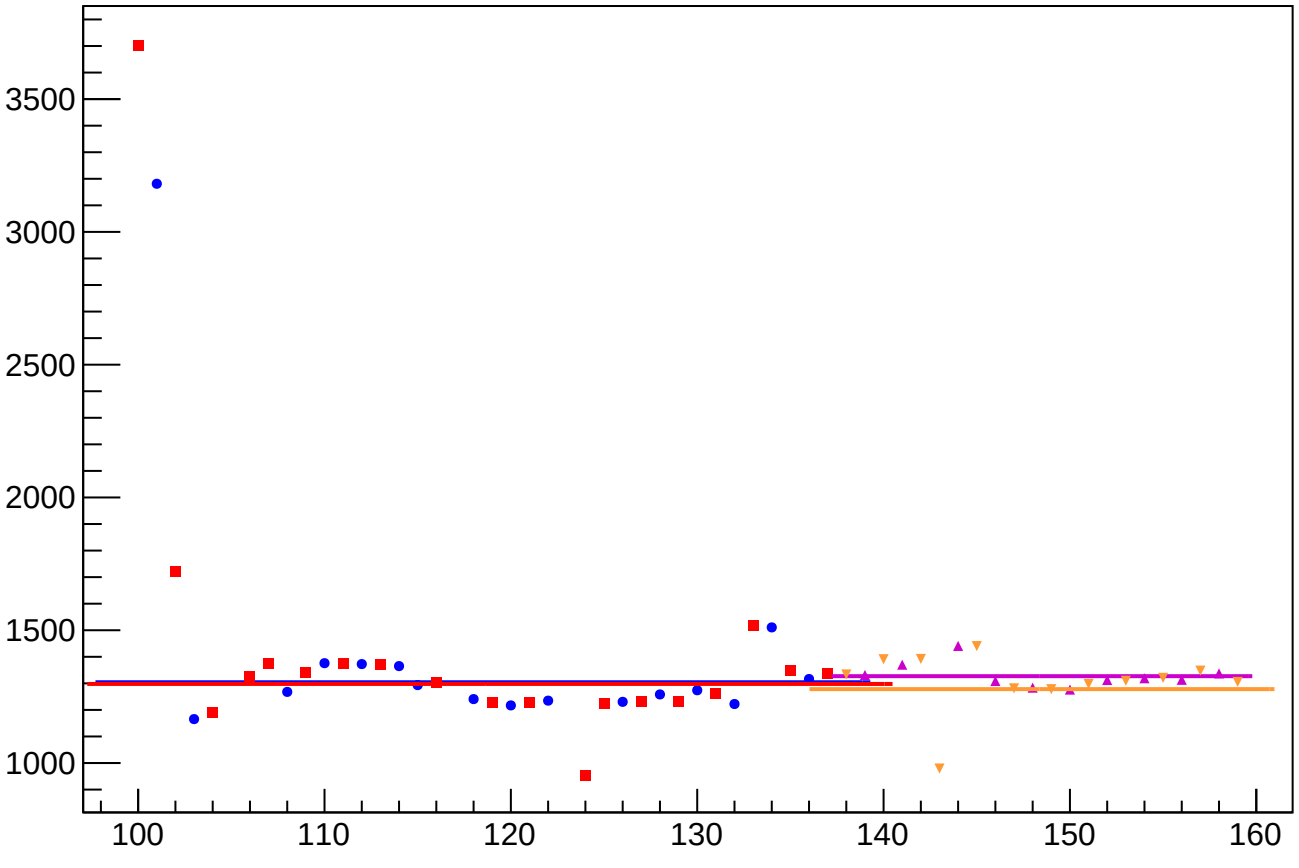
Left: 455.019+/-305.294 χ^2/NDF: 34.4/21

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -524.416+/-332.541 χ^2/NDF:19.2/25

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 101.351+/-229.022 χ^2/NDF: 66.9/56



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1278.304+/-0.294 χ^2/NDF:200588.1/11

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

Left: 1300.791+/-0.216 χ^2/NDF: 231931.5/21

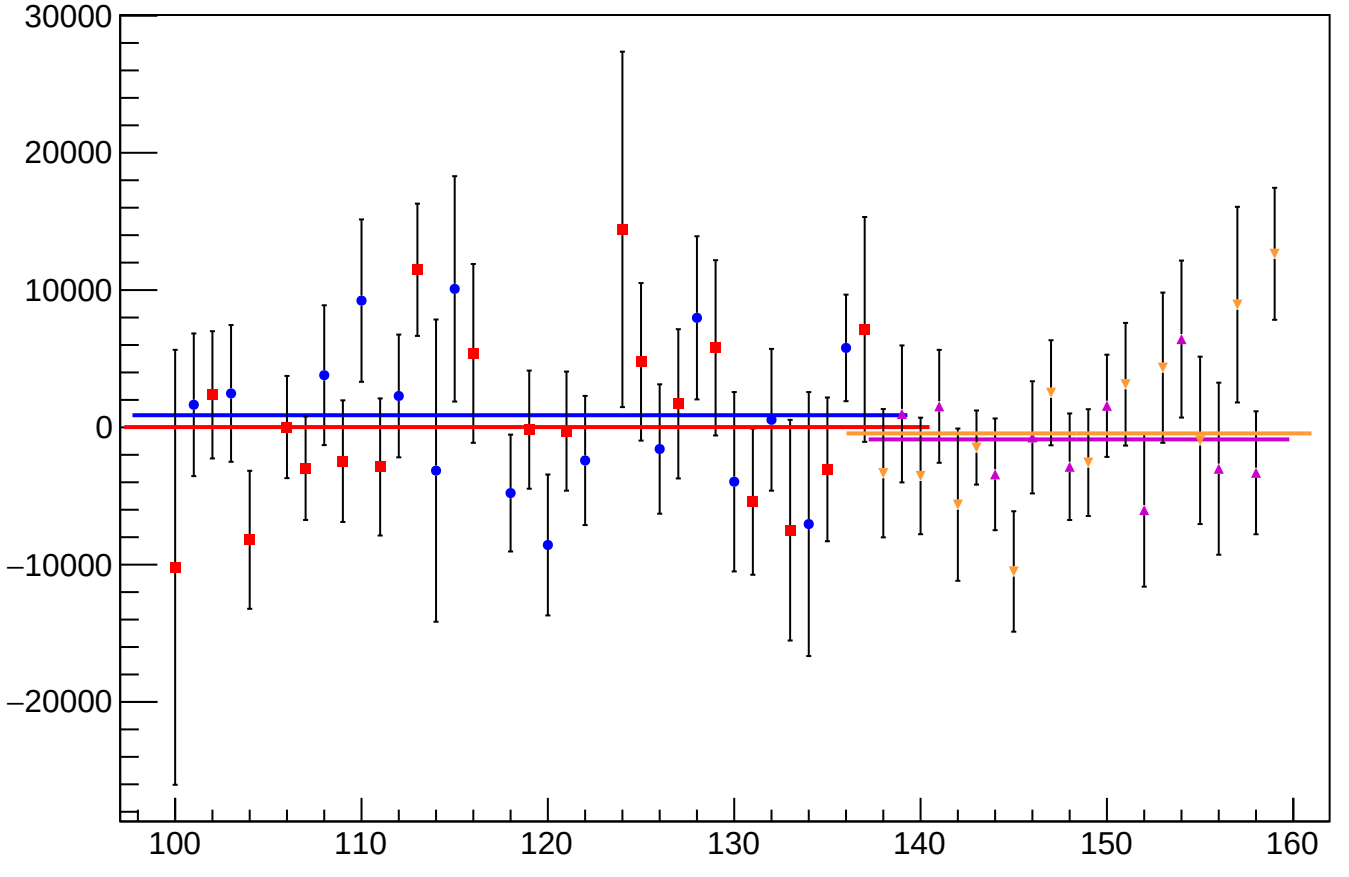
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.665+/-0.235 χ^2/NDF:531618.9/25

Out: 1286.560+/-0.223 χ^2/NDF:415545.7/30

All: 1300.835+/-0.162 χ^2/NDF: 955784.0/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -439.000+/-1258.891 χ^2/NDF:18.6/11

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -877.438+/-1419.683 χ^2/NDF:4.5/9

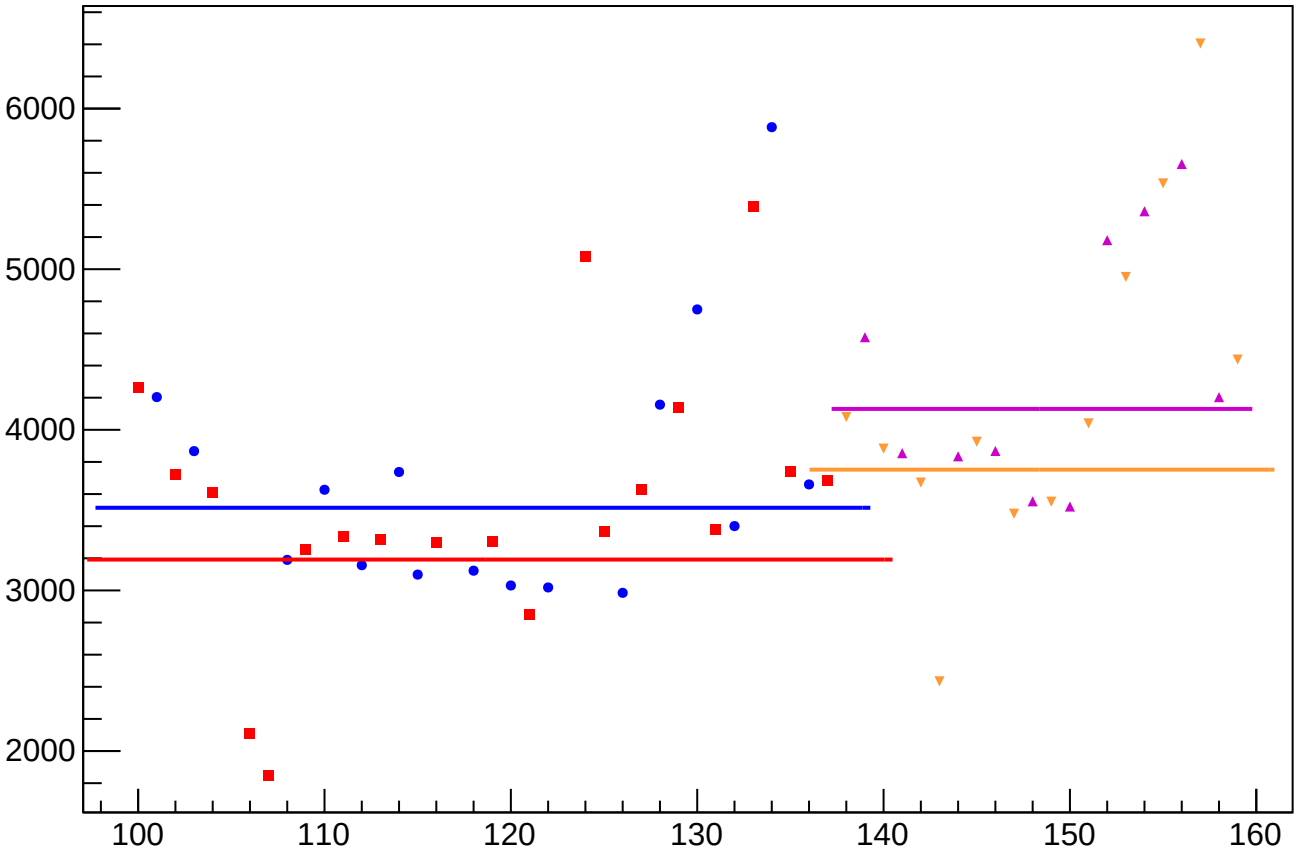
Left: -631.994+/-941.911 χ^2/NDF: 23.2/21

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 62.415+/-969.596 χ^2/NDF:19.4/25

Out: -198.161+/-868.606 χ^2/NDF:35.5/30

All: -82.146+/-646.965 χ^2/NDF: 55.0/56



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3752.029+/-0.890 χ^2/NDF:1101737.4/11

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

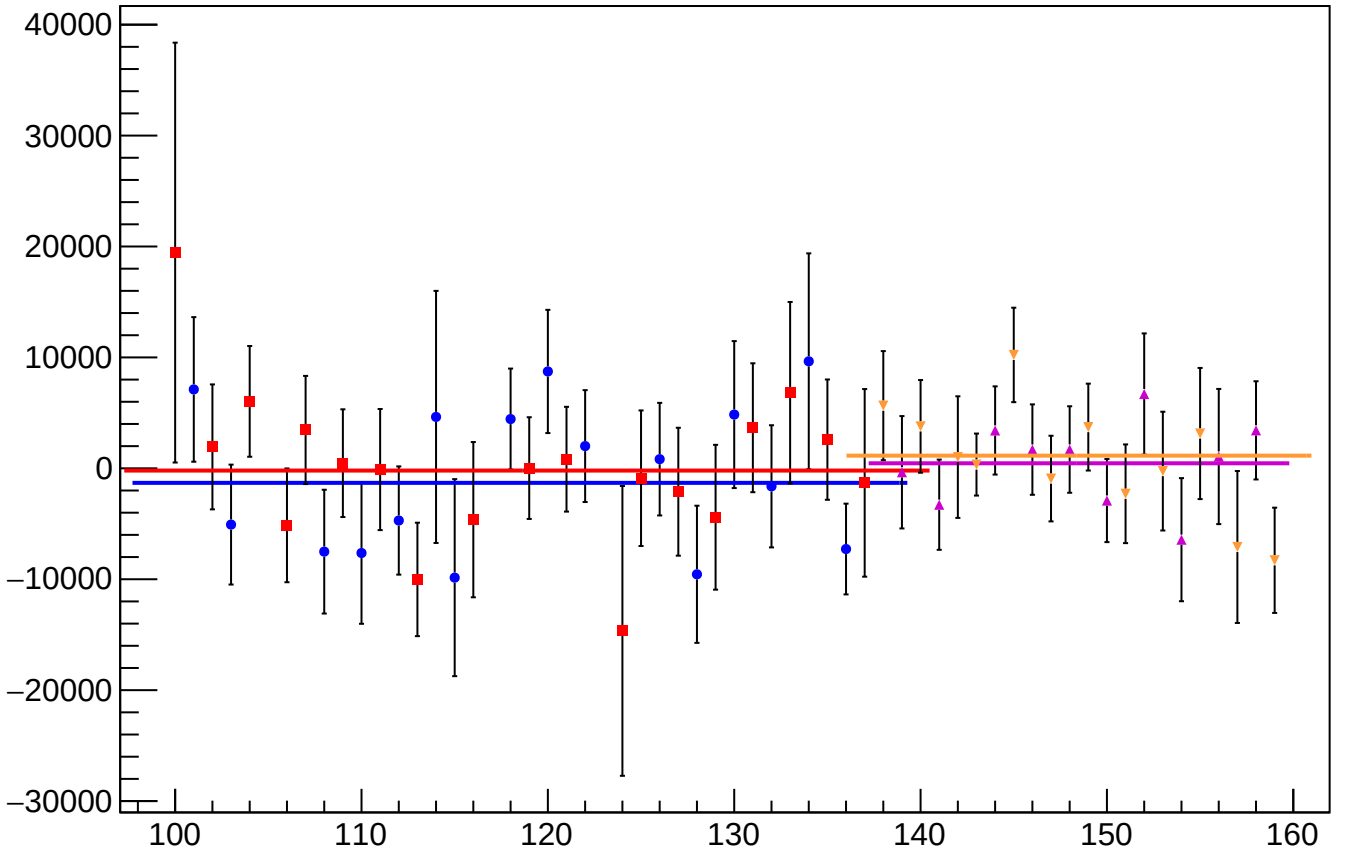
Left: 3918.432+/-0.666 χ^2/NDF: 1604574.2/21

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3801.748+/-0.686 χ^2/NDF:998996.0/25

Out: 3458.715+/-0.614 χ^2/NDF:2081462.3/30

All: 3611.442+/-0.457 χ^2/NDF: 3219337.8/56



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1143.591+/-1262.777 χ^2/NDF:12.8/11

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 454.679+/-1408.822 χ^2/NDF:5.7/9

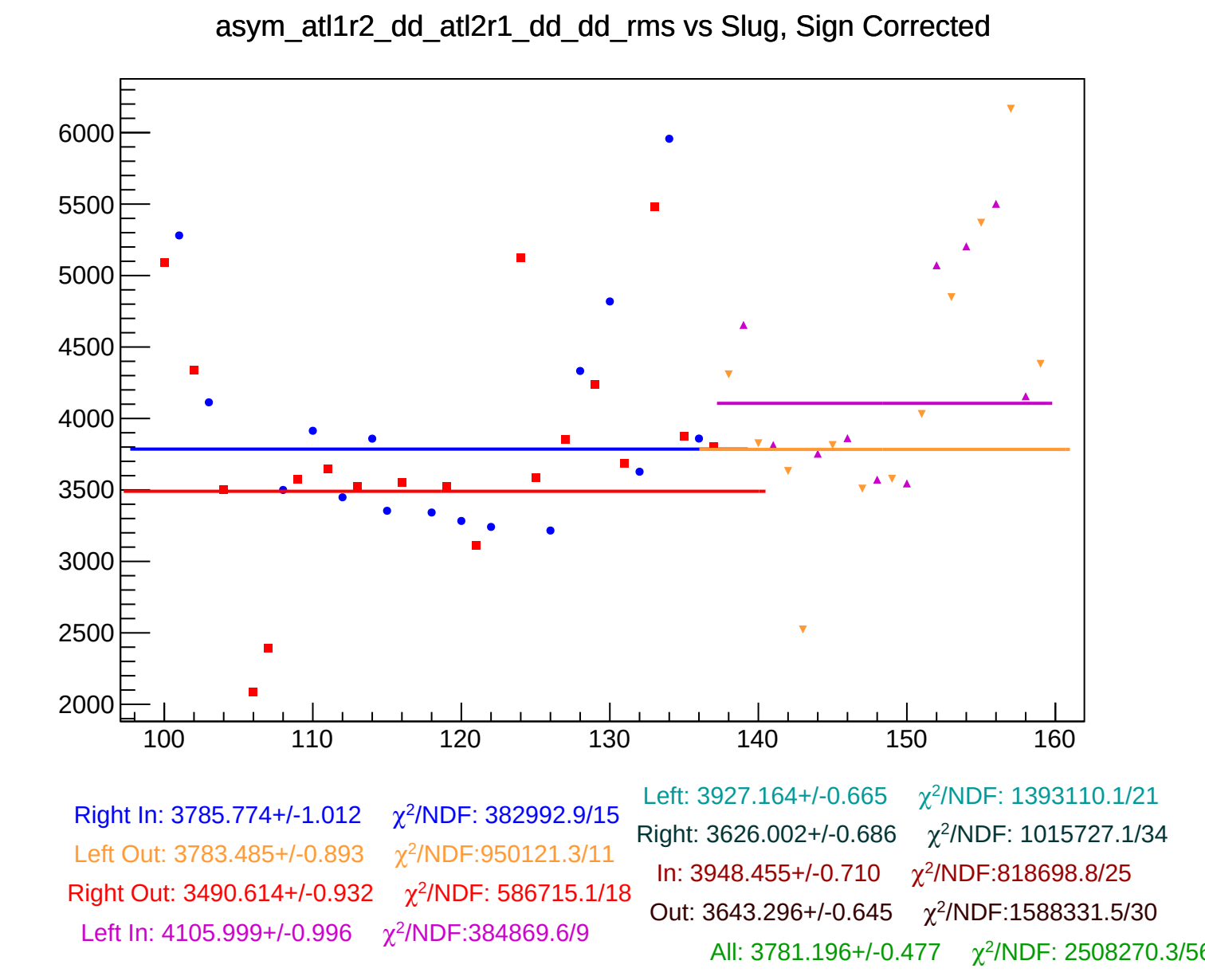
Left: 836.683+/-940.327 χ^2/NDF: 18.6/21

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

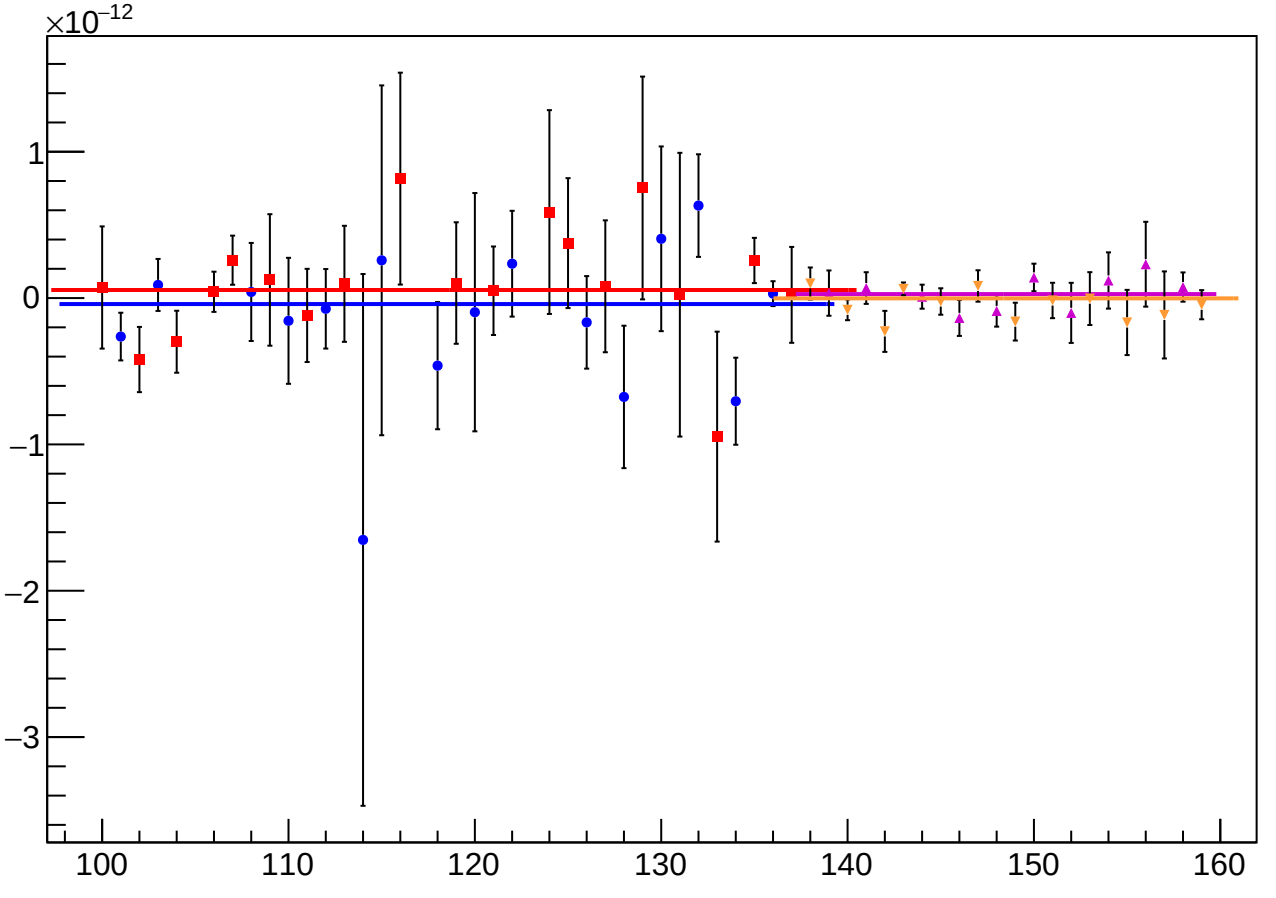
In: -413.176+/-1004.152 χ^2/NDF:24.1/25

Out: 508.902+/-917.733 χ^2/NDF:25.0/30

All: 89.241+/-677.431 χ^2/NDF: 49.5/56


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3785.774+/-1.012 χ²/NDF: 382992.9/15
Left Out: 3783.485+/-0.893 χ²/NDF:950121.3/11
Right Out: 3490.614+/-0.932 χ²/NDF: 586715.1/18
Left In: 4105.999+/-0.996 χ²/NDF:384869.6/9
Left: 3927.164+/-0.665 χ²/NDF: 1393110.1/21
Right: 3626.002+/-0.686 χ²/NDF: 1015727.1/34
In: 3948.455+/-0.710 χ²/NDF:818698.8/25
Out: 3643.296+/-0.645 χ²/NDF:1588331.5/30
All: 3781.196+/-0.477 χ²/NDF: 2508270.3/56

asym_atl1r2_dd_atl2r1_dd_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:9.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

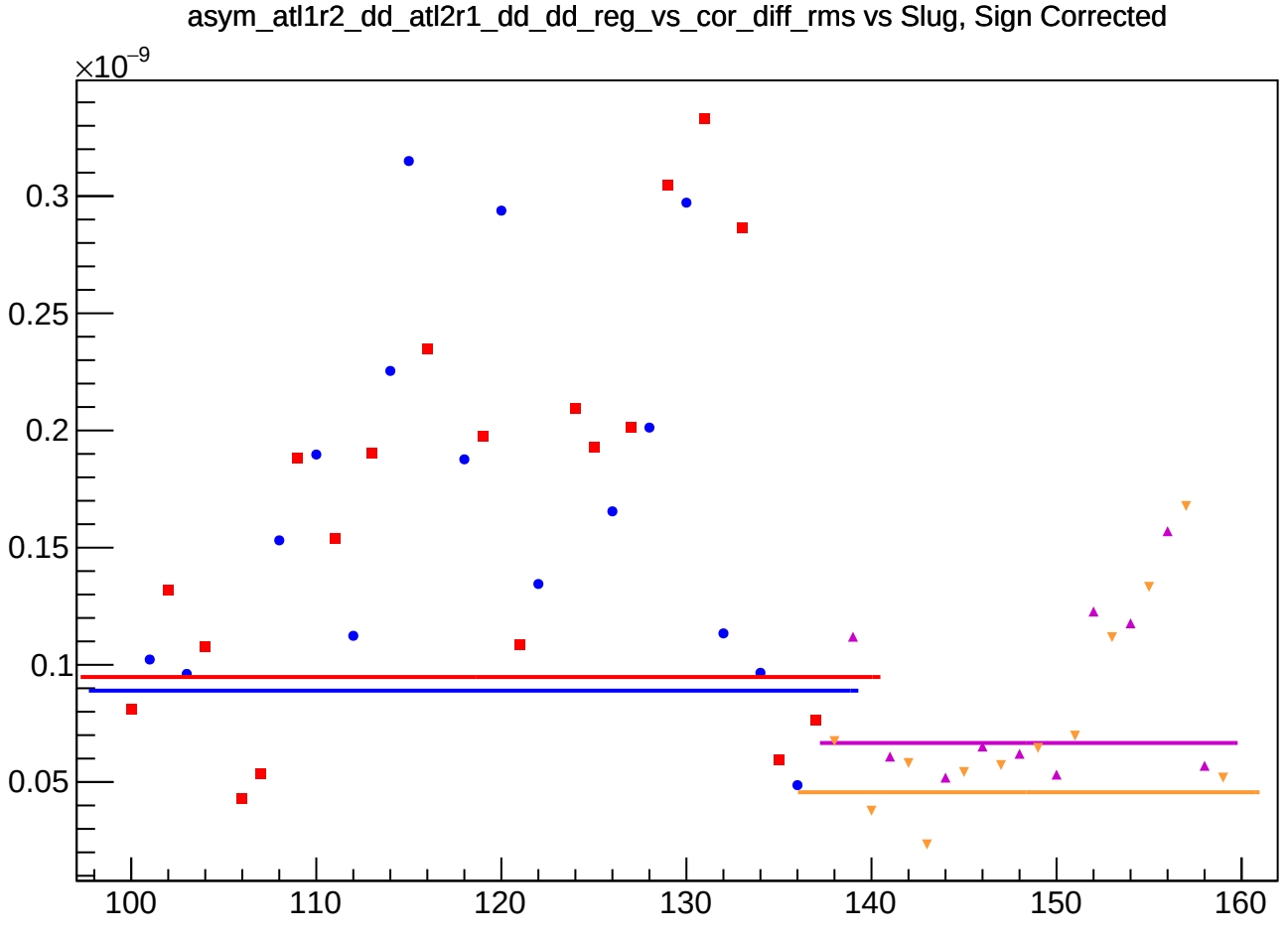
Left: 0.000+/-0.000 χ^2/NDF: 16.2/21

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: 0.000+/-0.000 χ^2/NDF:26.5/30

All: 0.000+/-0.000 χ^2/NDF: 50.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719207.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

Left: 0.000+/-0.000 χ^2/NDF: 2919066.3/21

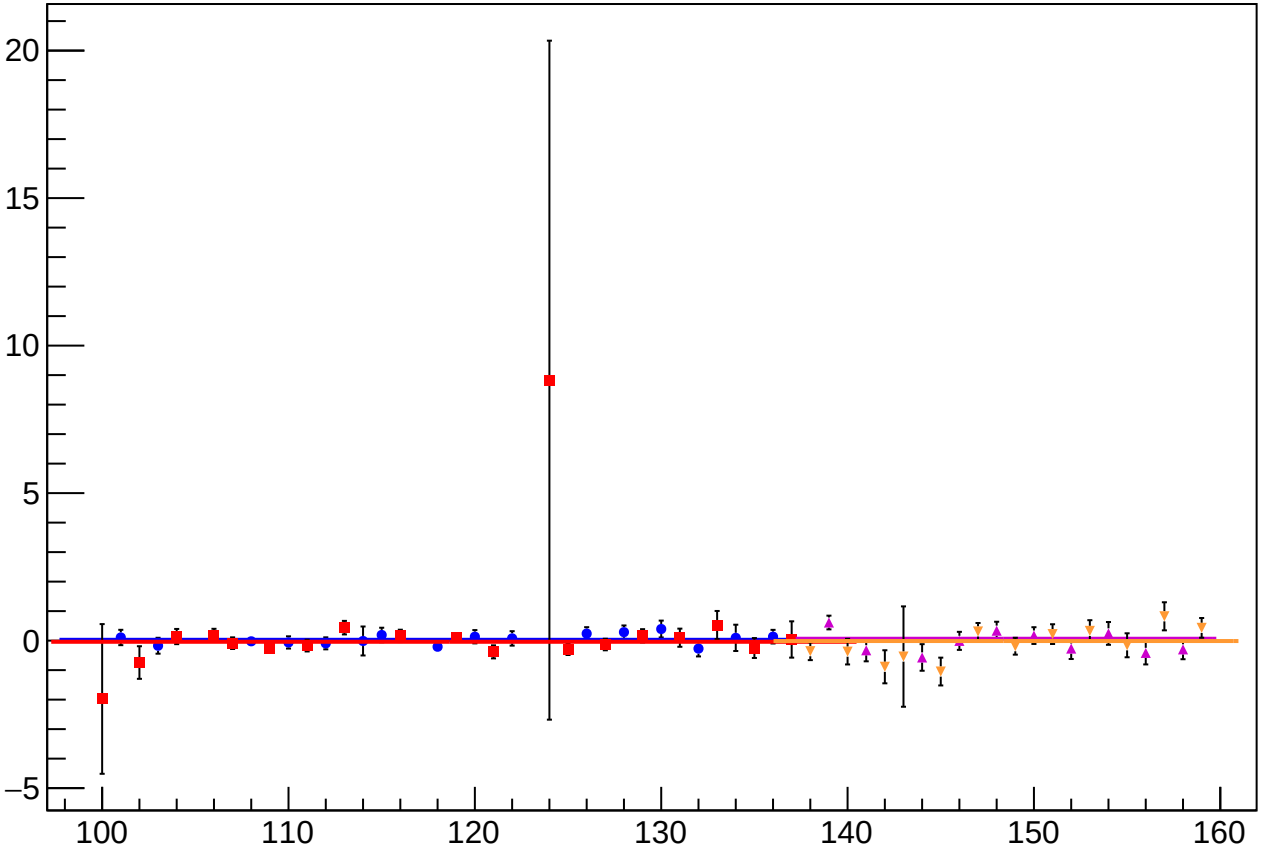
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2455064.9/25

Out: 0.000+/-0.000 χ^2/NDF:4454540.3/30

All: 0.000+/-0.000 χ^2/NDF: 7396914.7/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

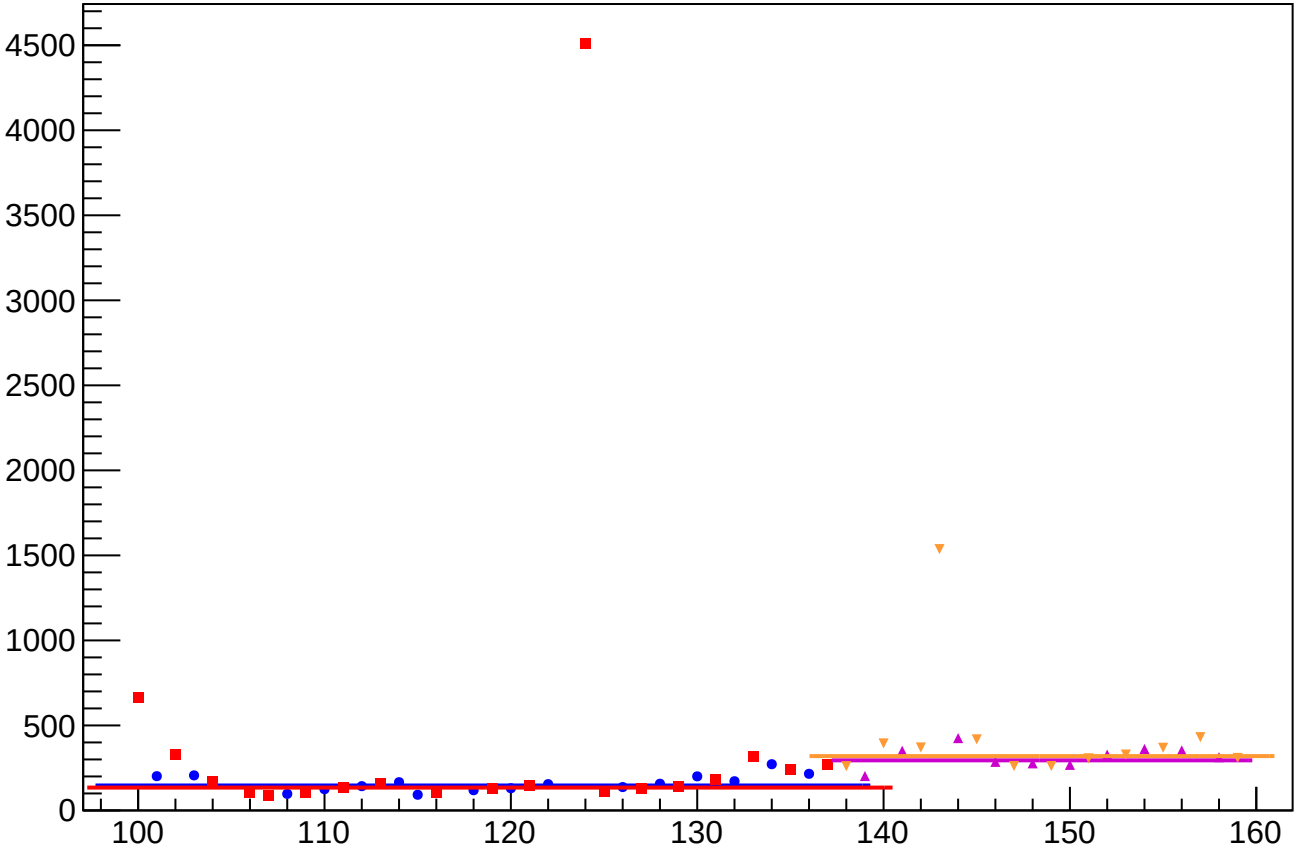
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.453+/-0.053 χ^2/NDF: 2312680.0/21

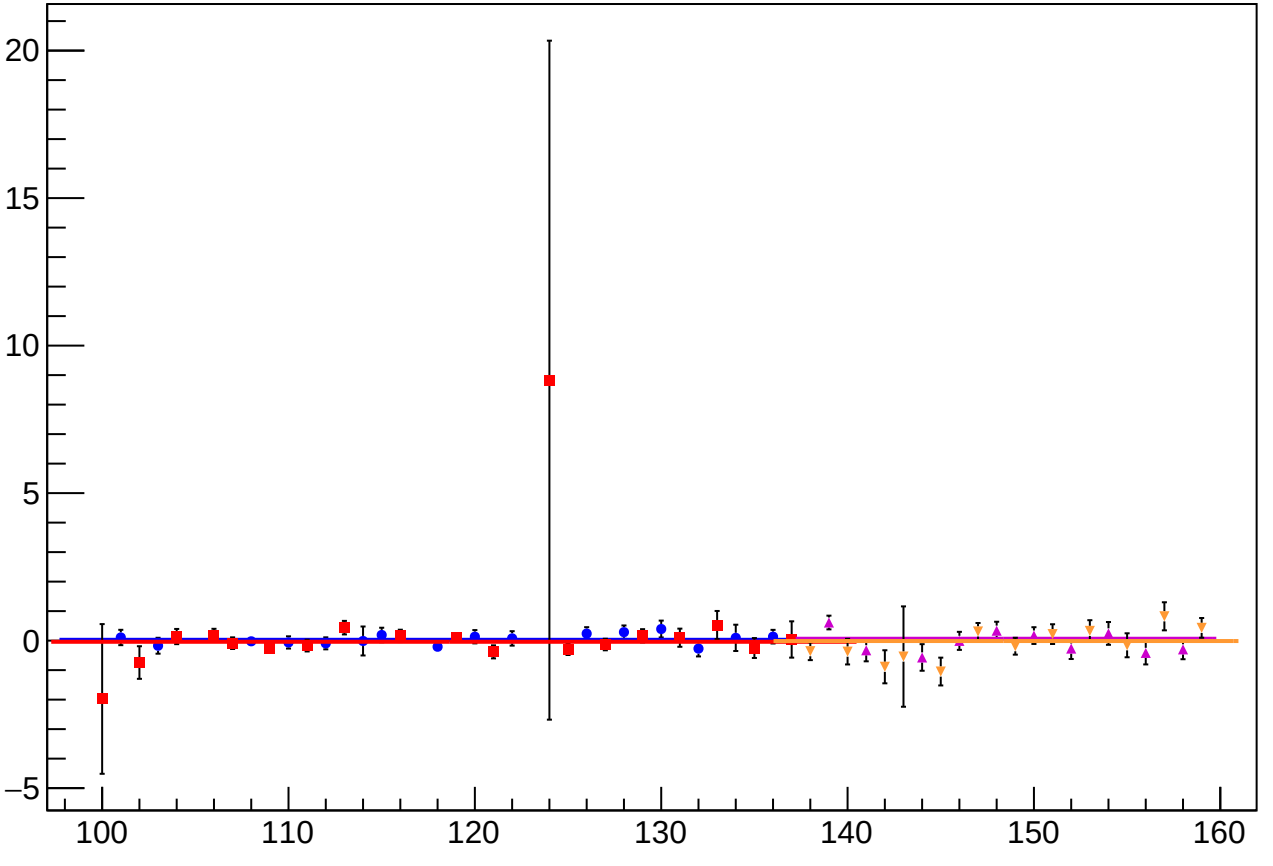
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

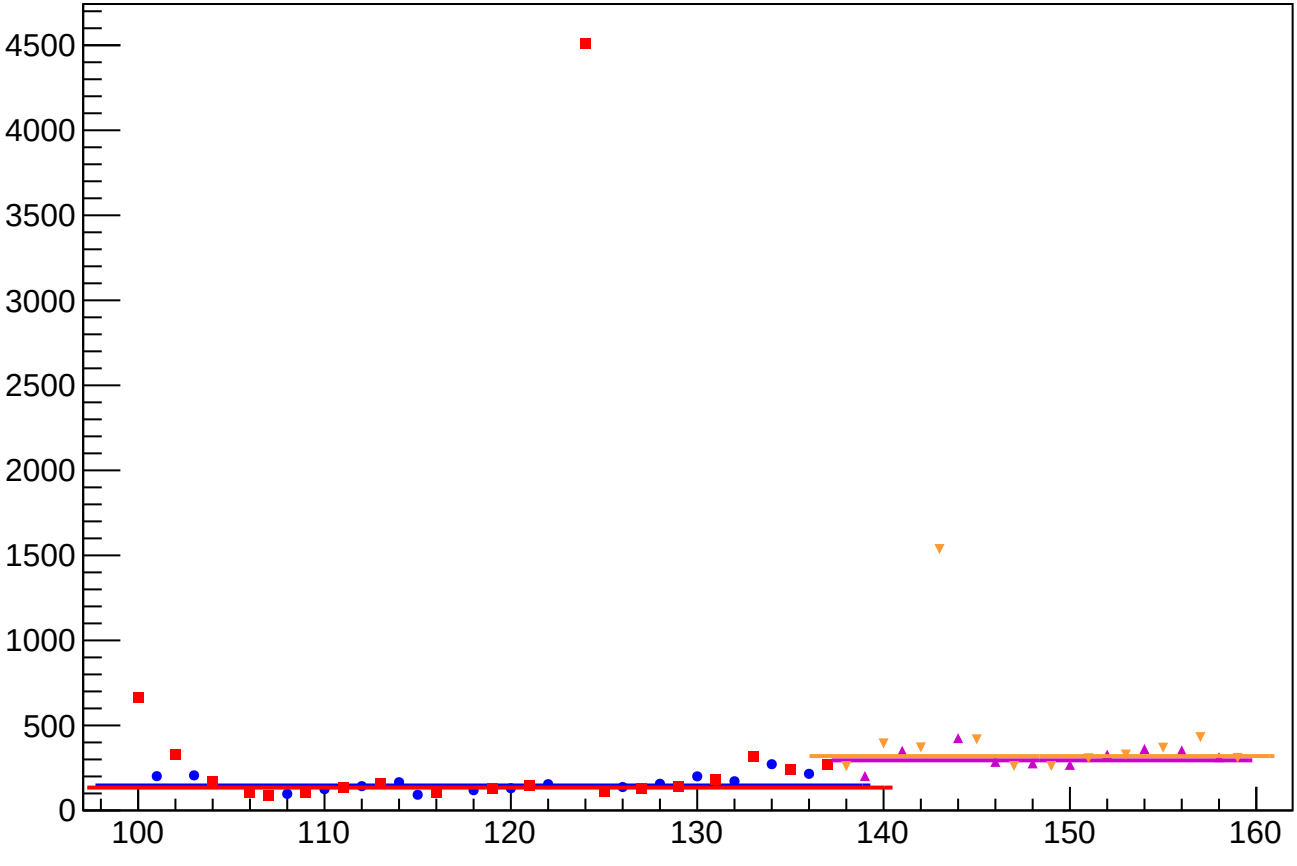
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.453+/-0.053 χ^2/NDF: 2312680.0/21

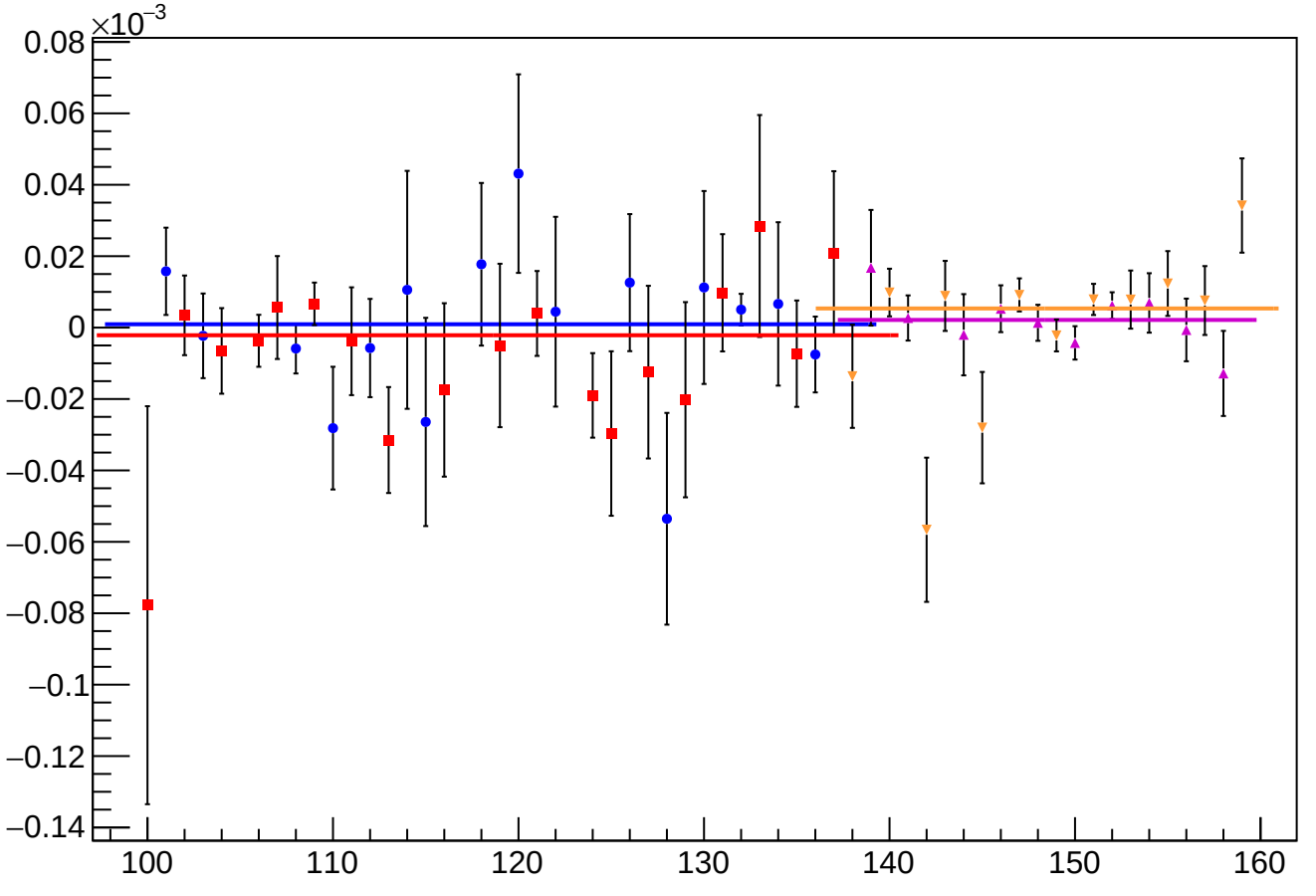
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/11

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

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

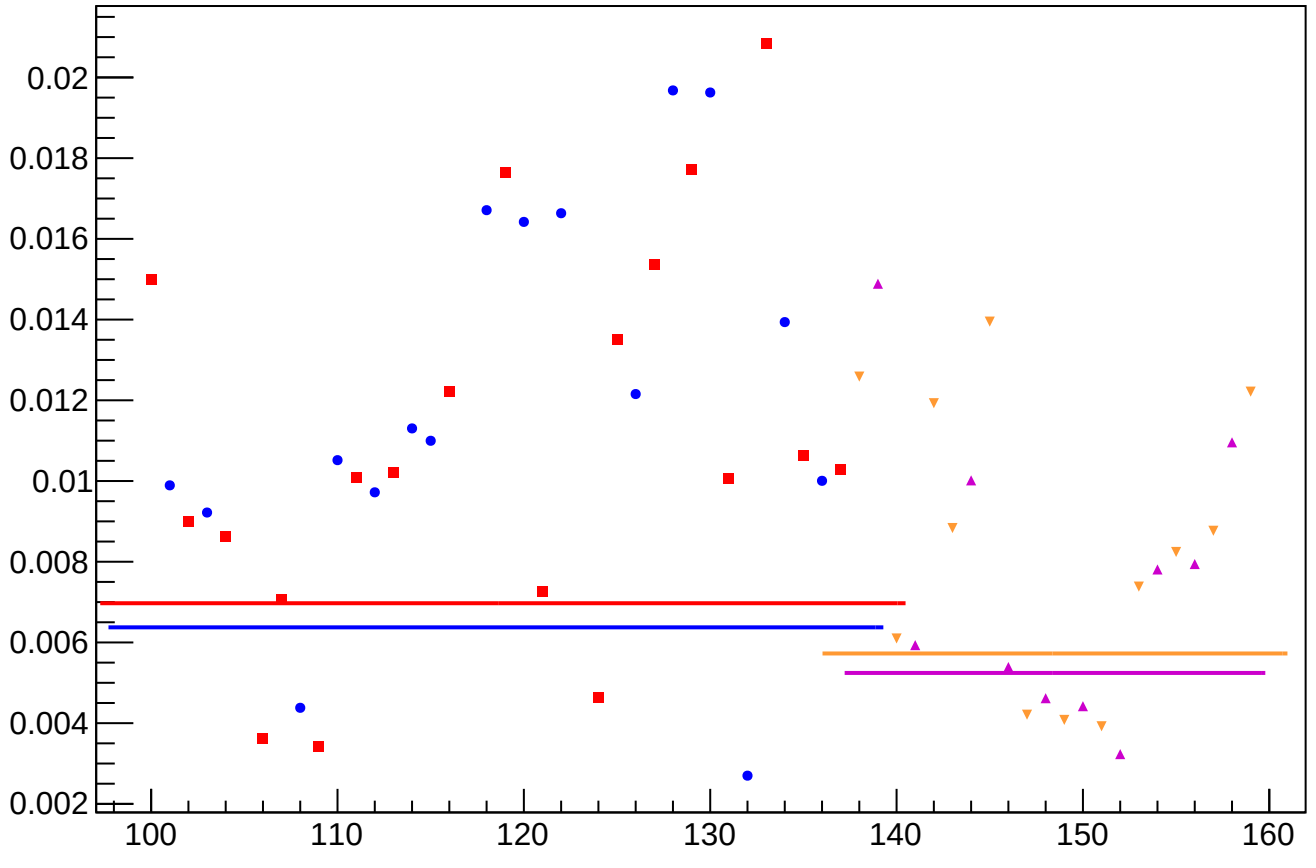
Left: 0.000+/-0.000 χ^2/NDF: 33.2/21

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:21.2/25

Out: 0.000+/-0.000 χ^2/NDF:46.0/30

All: 0.000+/-0.000 χ^2/NDF: 67.5/56



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:3148839.7/11

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

Left: 0.005+/-0.000 χ^2/NDF: 5803483.3/21

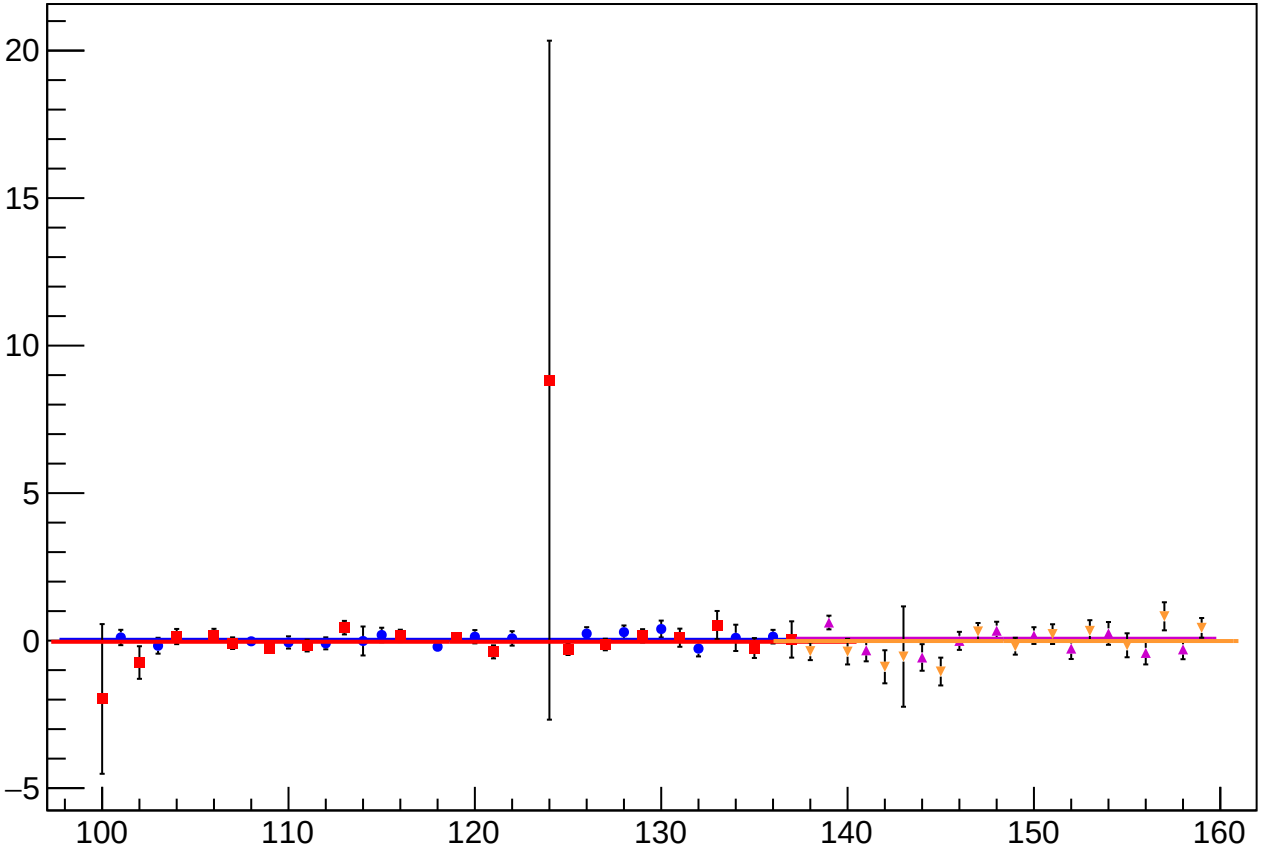
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7441049.1/25

Out: 0.006+/-0.000 χ^2/NDF:6791864.3/30

All: 0.006+/-0.000 χ^2/NDF: 14328889.4/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

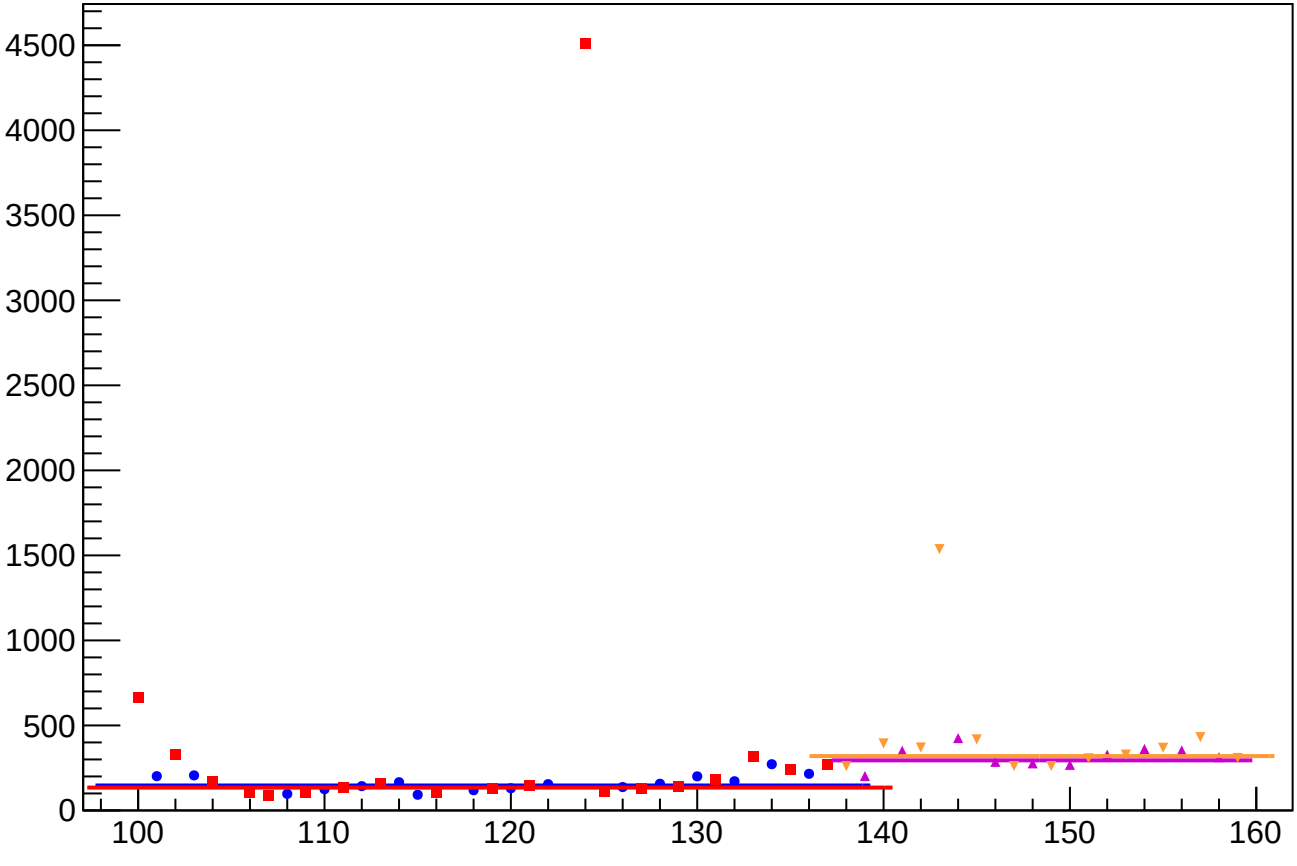
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

Left: 306.457+/-0.053 χ^2/NDF: 2312660.3/21

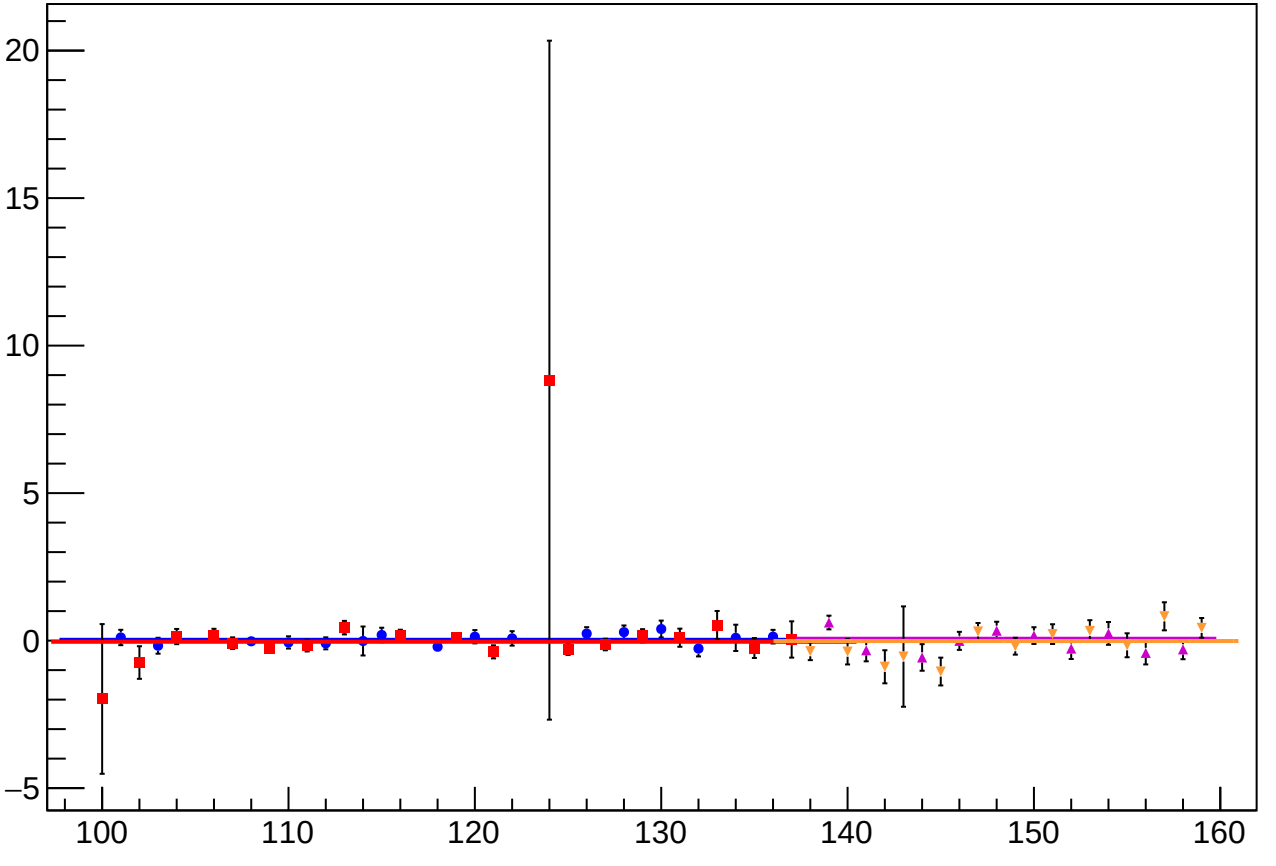
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

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+/-0.109 χ^2/NDF:17.4/11

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.027+/-0.075 χ^2/NDF: 31.0/21

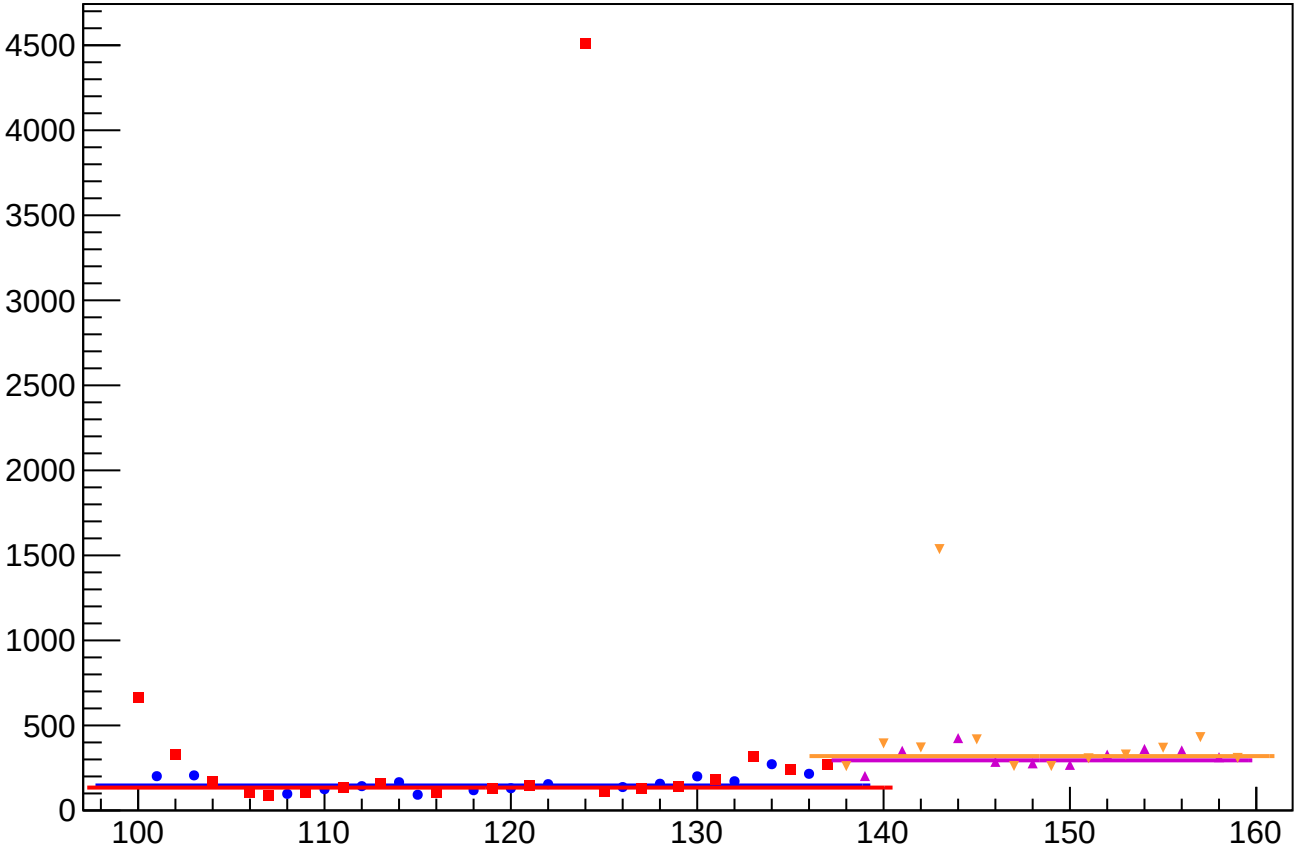
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: 0.000+/-0.035 χ^2/NDF: 61.4/56

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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

Left: 306.457+/-0.053 χ^2/NDF: 2312660.3/21

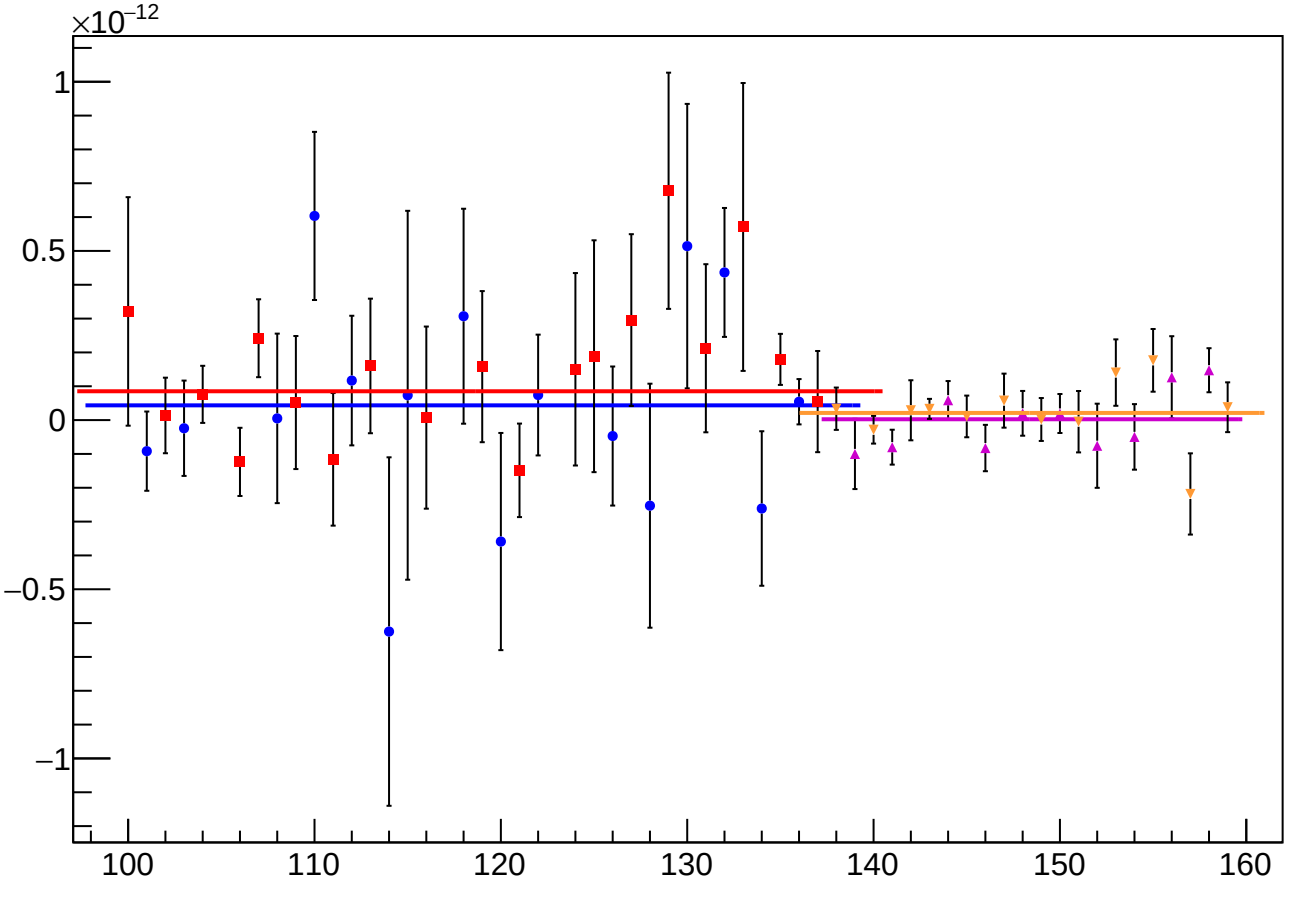
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/9

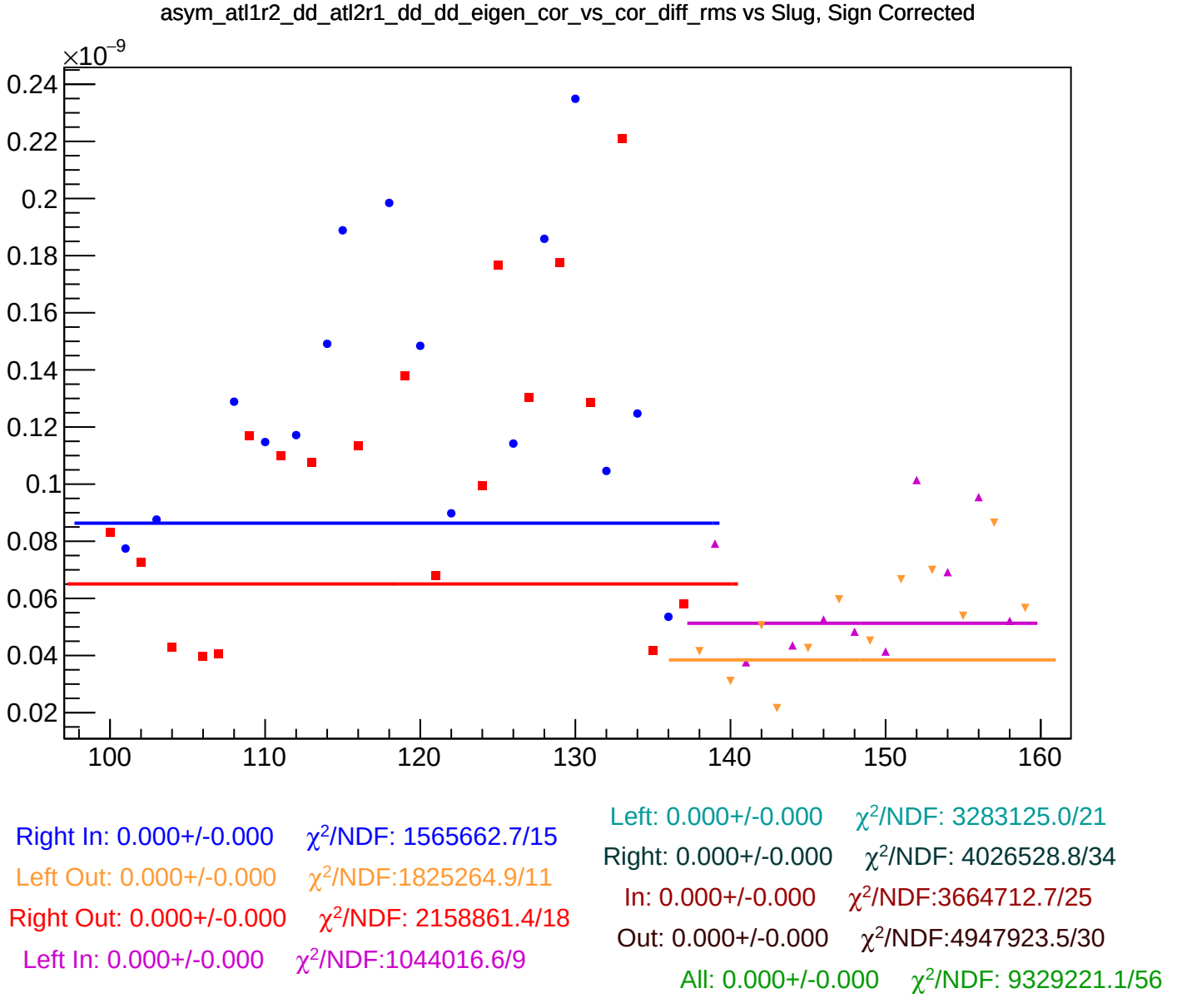
Left: 0.000+/-0.000 χ^2/NDF: 23.8/21

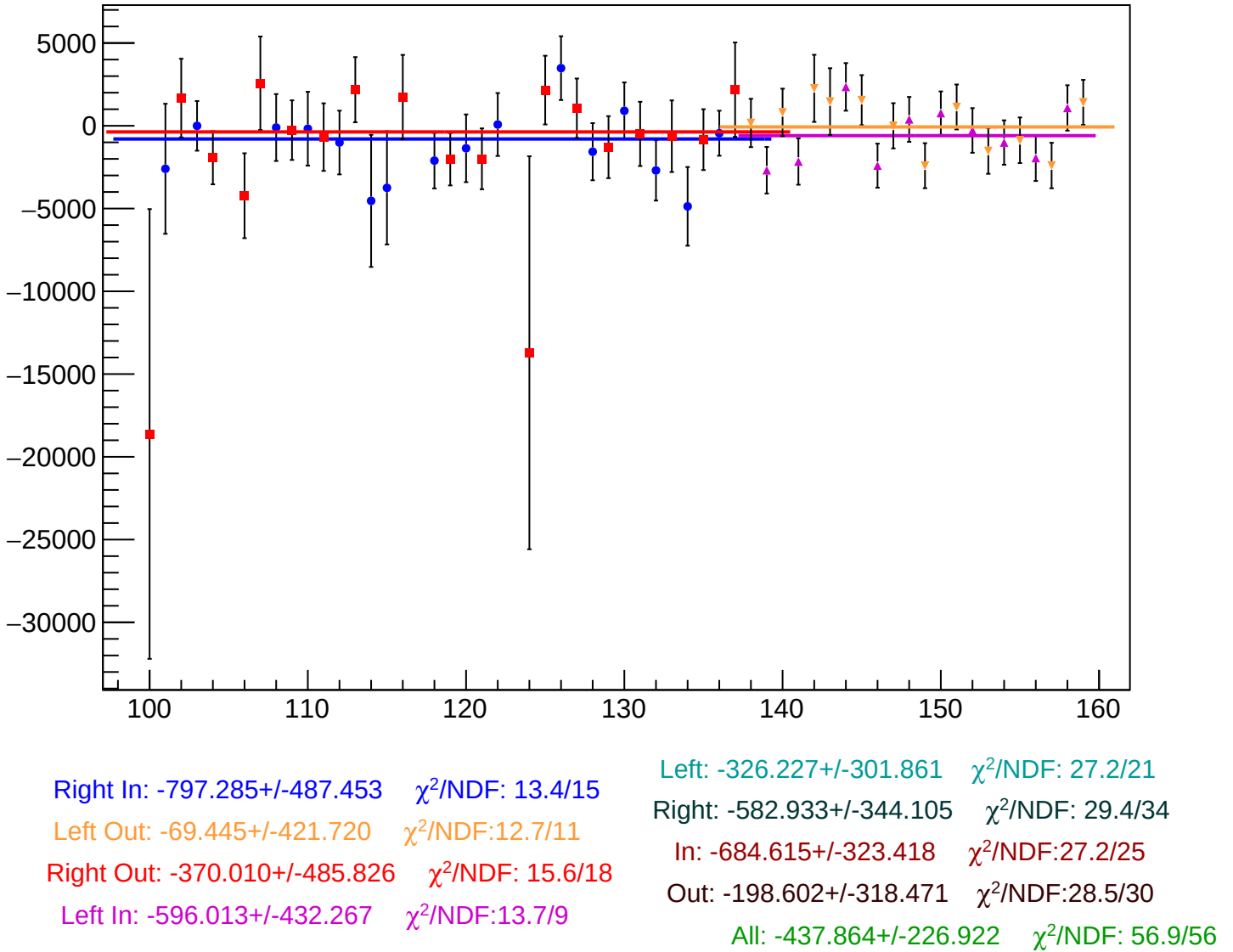
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

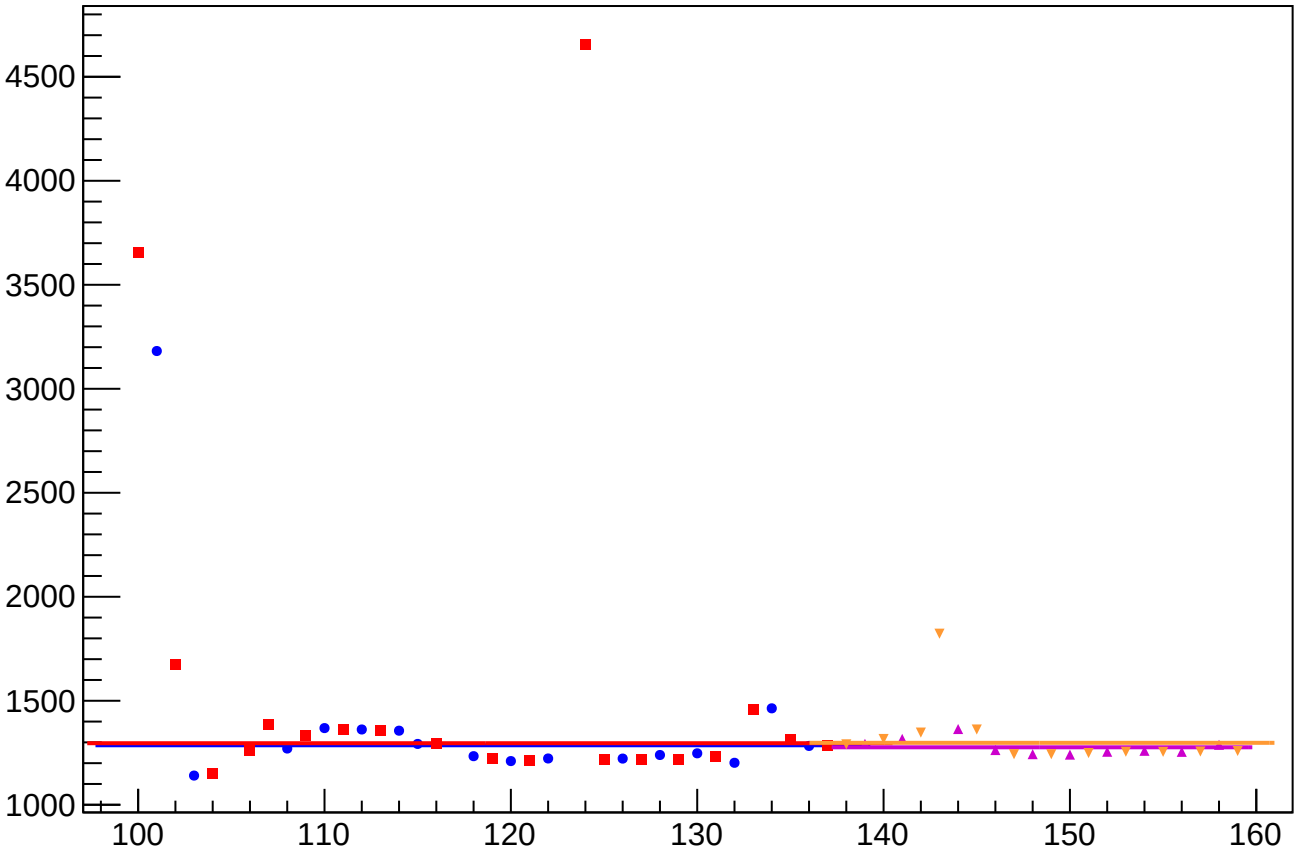
In: 0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/30

All: 0.000+/-0.000 χ^2/NDF: 64.8/56


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1825264.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:1044016.6/9
Left: 0.000+/-0.000 χ²/NDF: 3283125.0/21
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:3664712.7/25
Out: 0.000+/-0.000 χ²/NDF:4947923.5/30
All: 0.000+/-0.000 χ²/NDF: 9329221.1/56


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -69.445+/-421.720 χ²/NDF:12.7/11
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -596.013+/-432.267 χ²/NDF:13.7/9
Left: -326.227+/-301.861 χ²/NDF: 27.2/21
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -684.615+/-323.418 χ²/NDF:27.2/25
Out: -198.602+/-318.471 χ²/NDF:28.5/30
All: -437.864+/-226.922 χ²/NDF: 56.9/56



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1297.817+/-0.298 χ^2/NDF:156955.5/11

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1287.324+/-0.213 χ^2/NDF: 173192.0/21

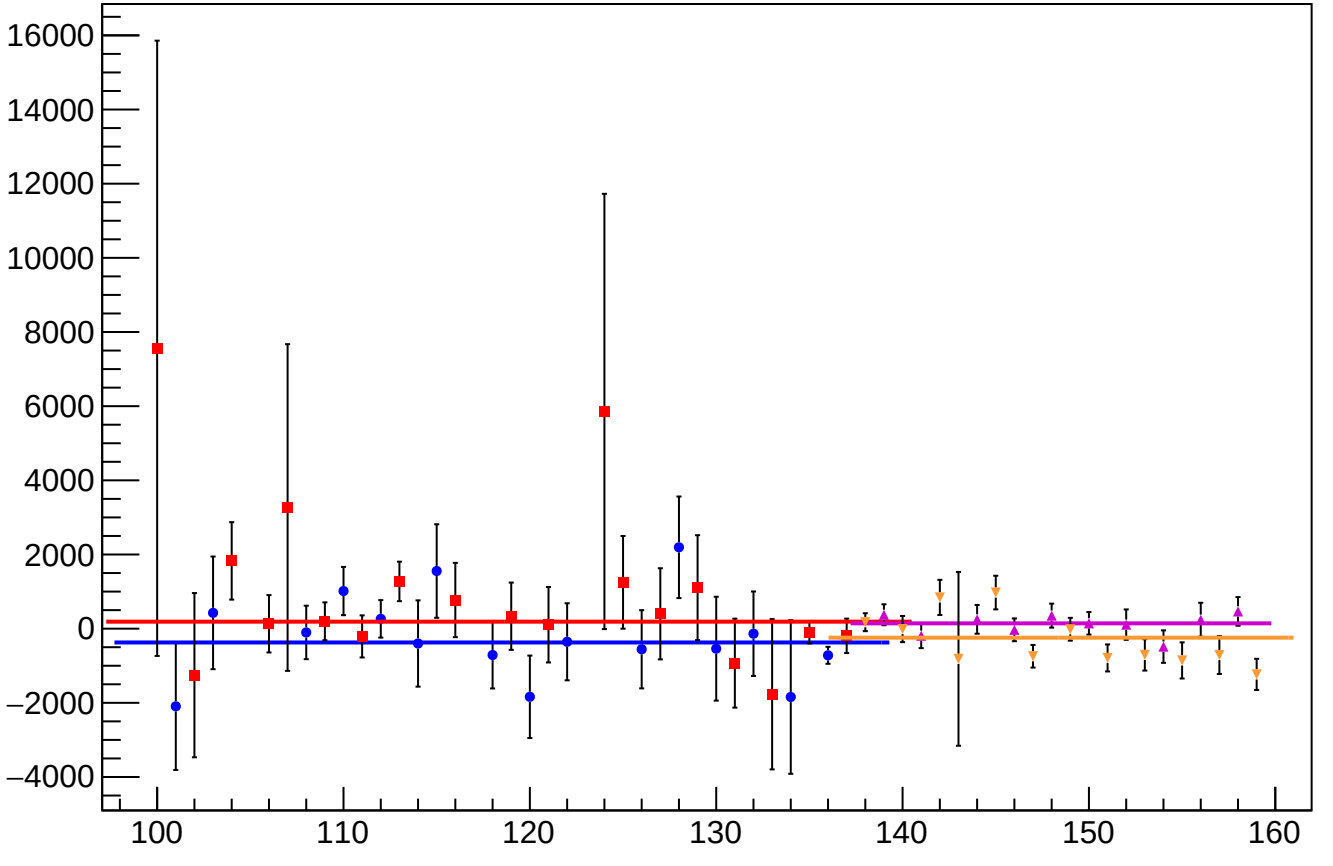
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1280.612+/-0.229 χ^2/NDF:532276.5/25

Out: 1297.012+/-0.225 χ^2/NDF:485042.4/30

All: 1288.938+/-0.160 χ^2/NDF: 1019929.7/56

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: -242.958+/-109.892 χ^2/NDF:30.6/11

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 143.110+/-110.579 χ^2/NDF:5.3/9

Left: -51.127+/-77.947 χ^2/NDF: 42.0/21

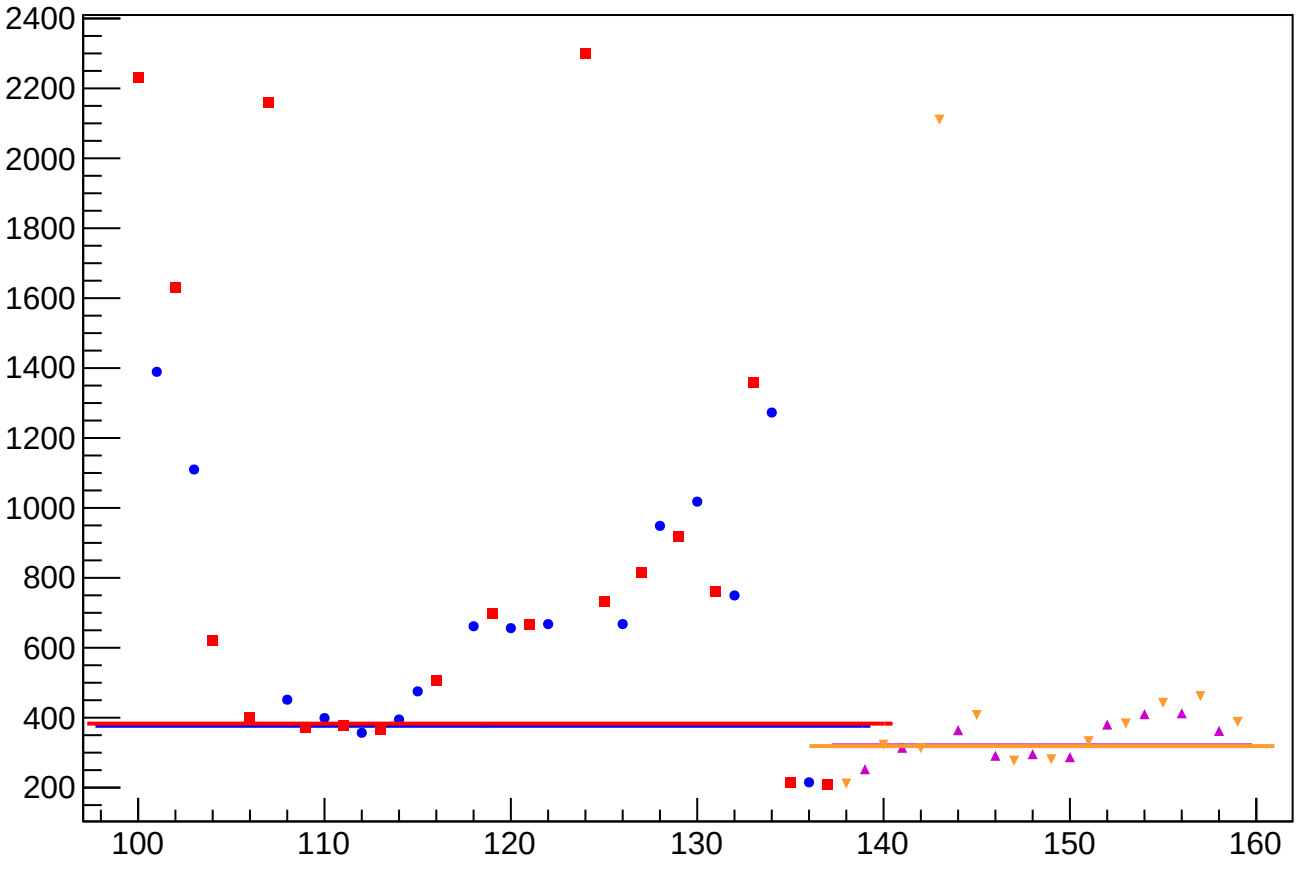
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -12.432+/-92.400 χ^2/NDF:30.0/25

Out: -115.221+/-92.221 χ^2/NDF:49.8/30

All: -63.926+/-65.273 χ^2/NDF: 80.4/56

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: 318.755+/-0.078 χ^2/NDF:2096322.1/11

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

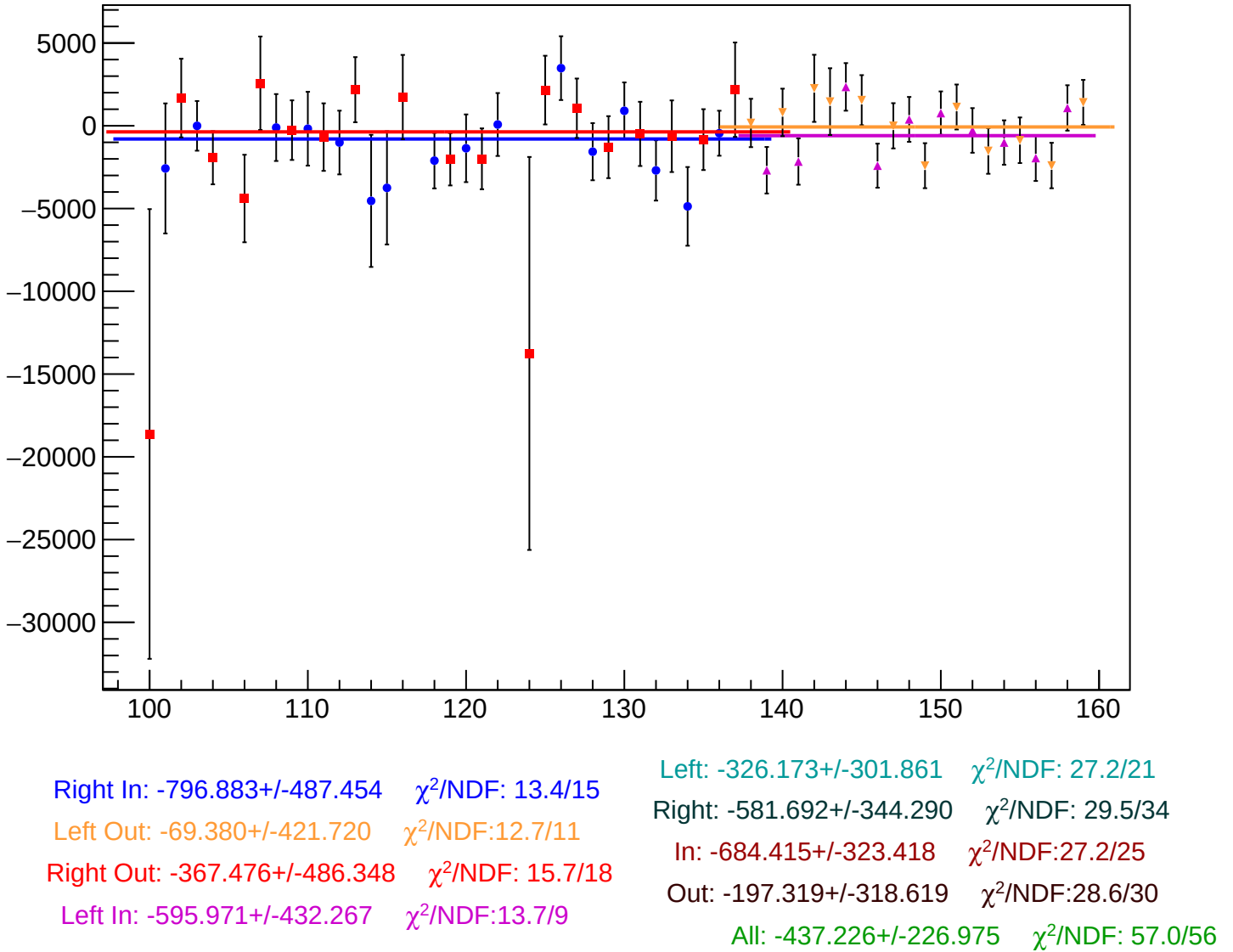
Left: 319.768+/-0.055 χ^2/NDF: 2524380.2/21

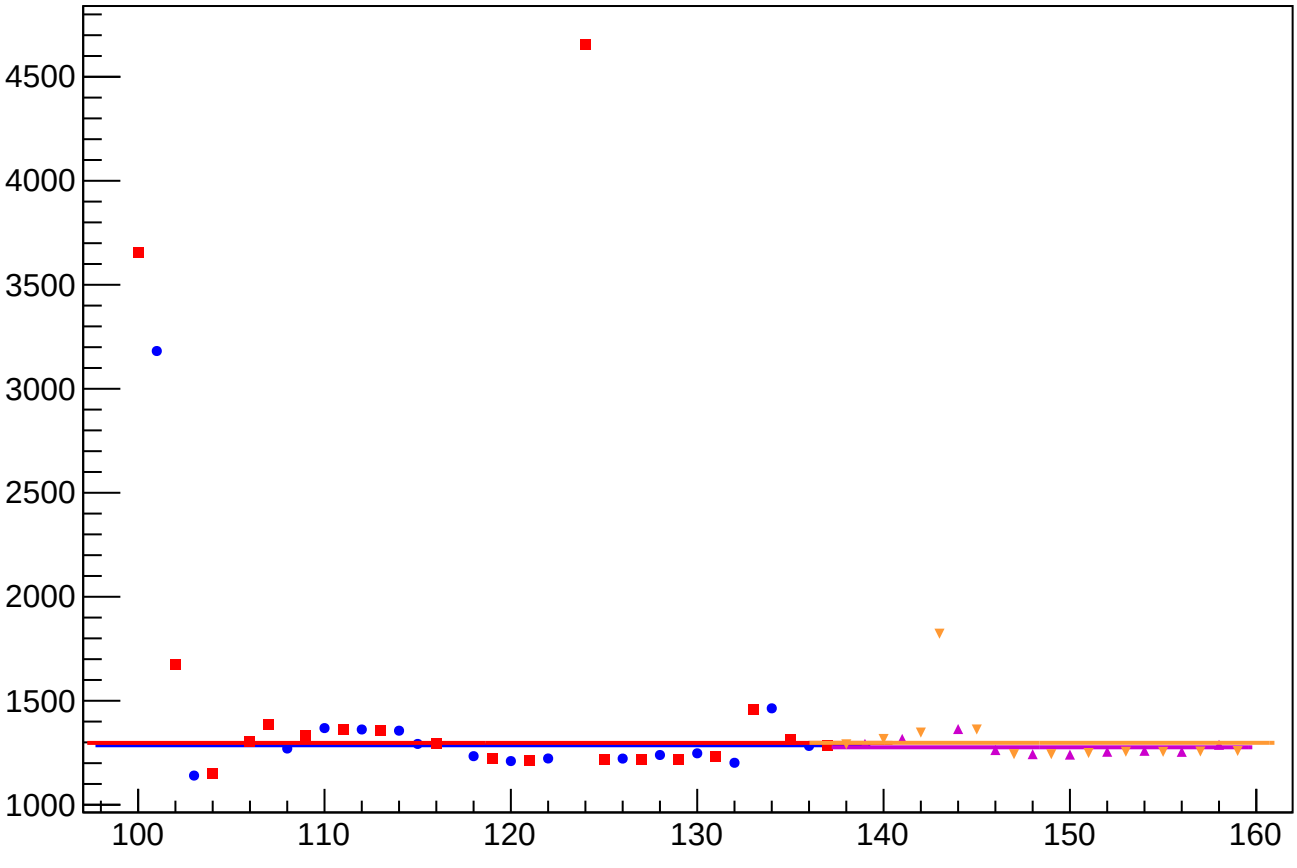
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 337.723+/-0.065 χ^2/NDF:4773244.9/25

Out: 337.777+/-0.065 χ^2/NDF:6353075.0/30

All: 337.750+/-0.046 χ^2/NDF: 11126320.3/56


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -326.173+/-301.861 χ²/NDF: 27.2/21
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -437.226+/-226.975 χ²/NDF: 57.0/56



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1297.817+/-0.298 χ^2/NDF:156955.5/11

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1287.324+/-0.213 χ^2/NDF: 173192.0/21

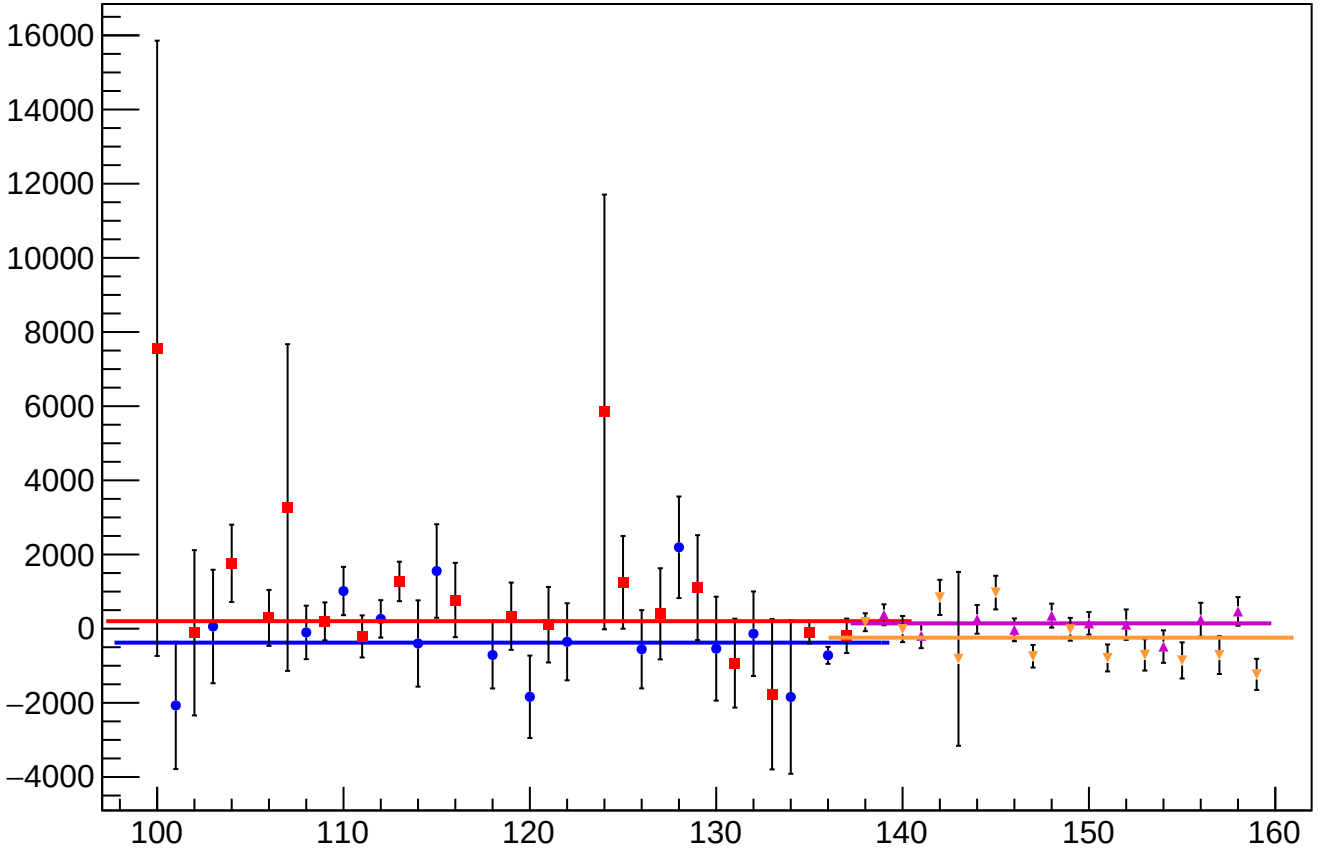
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

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: -242.973+/-109.895 χ^2/NDF:30.6/11

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

Left: -51.117+/-77.948 χ^2/NDF: 42.0/21

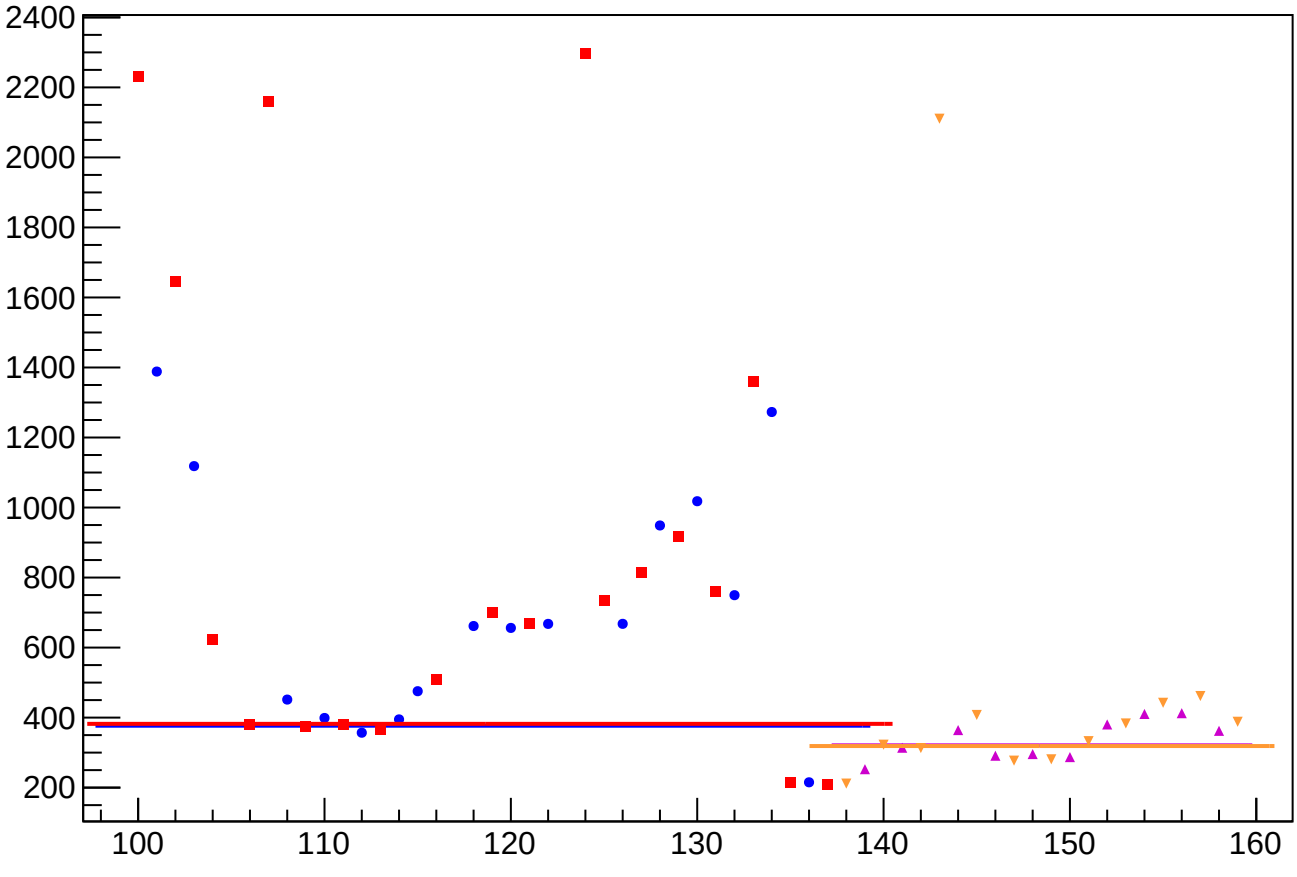
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -62.531+/-65.264 χ^2/NDF: 79.9/56

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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

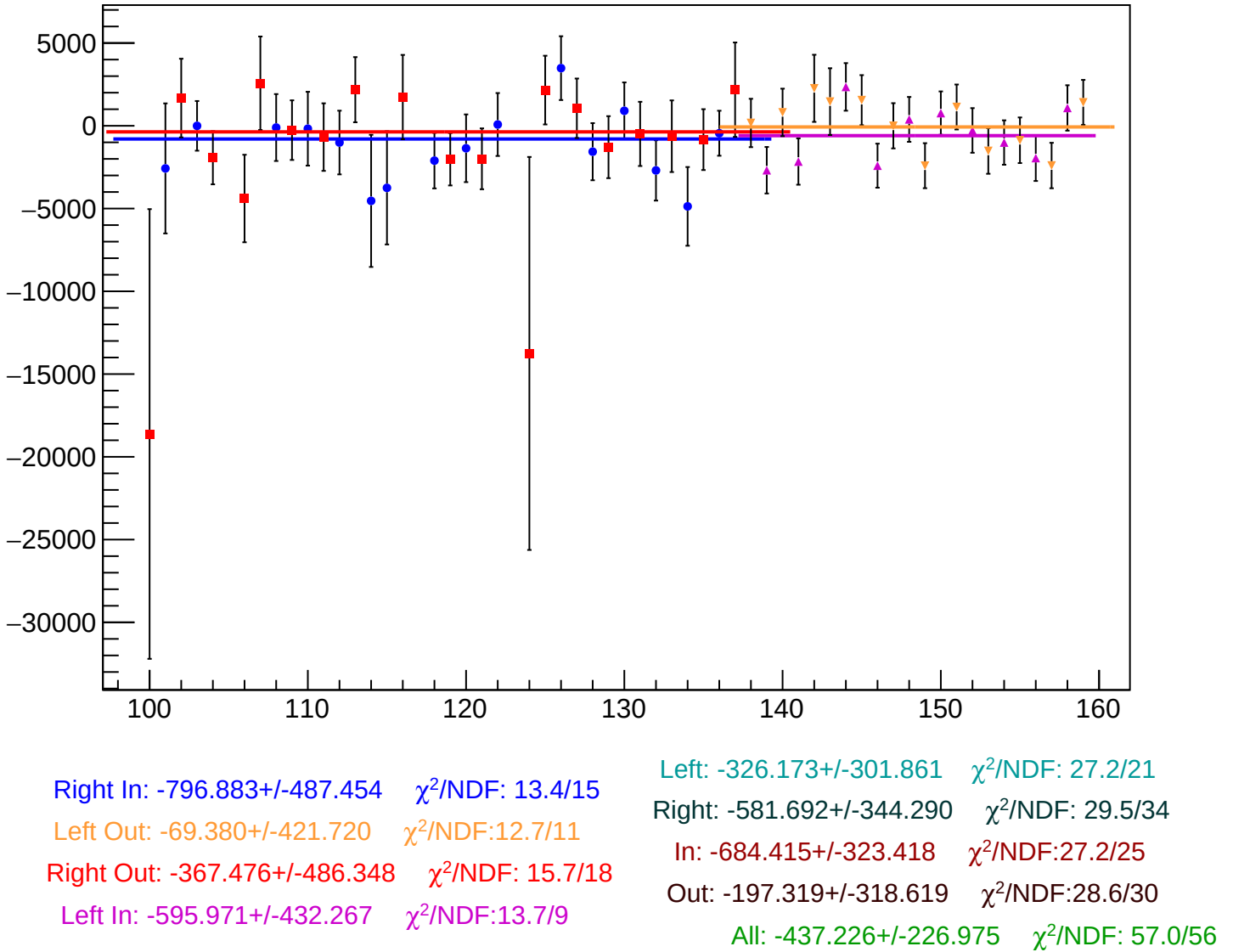
Left: 319.772+/-0.055 χ^2/NDF: 2524349.3/21

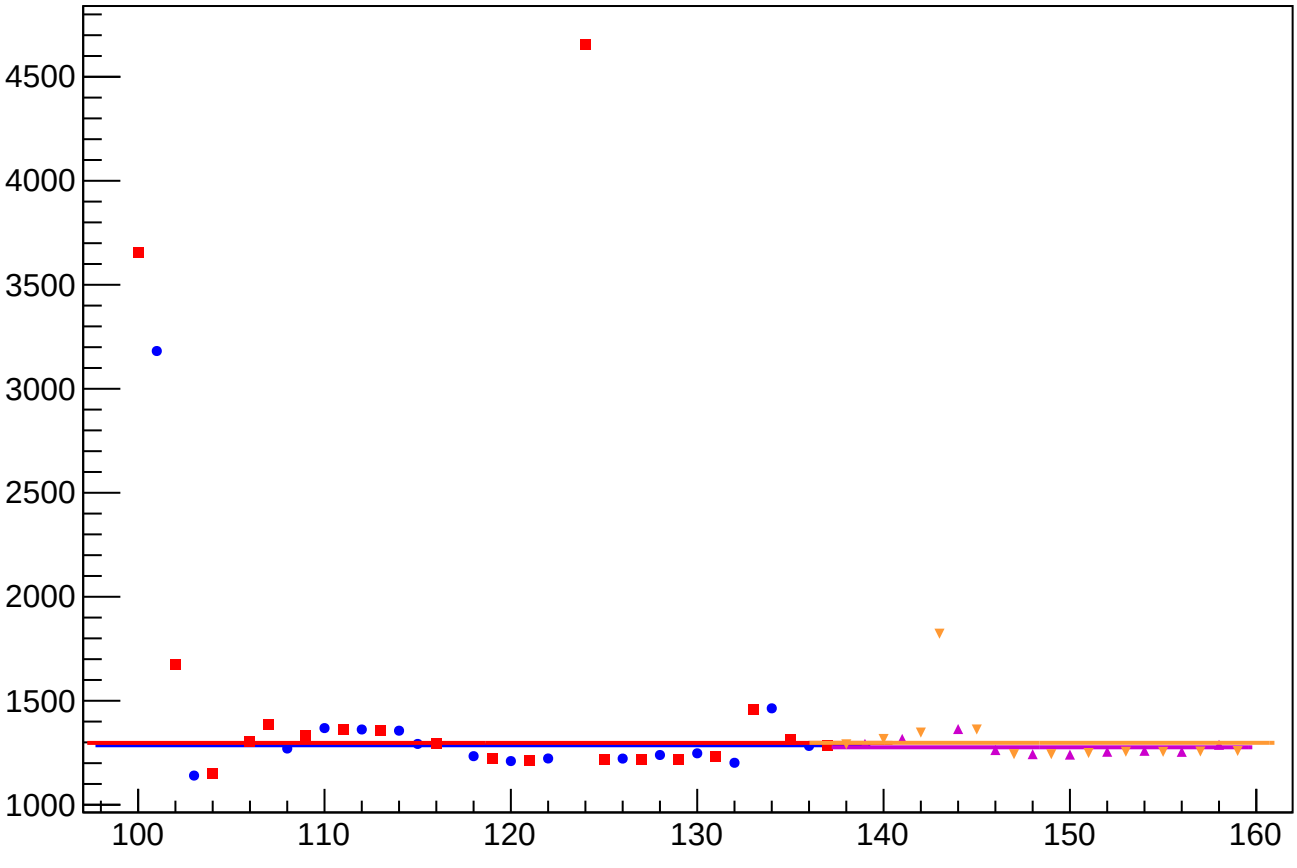
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -326.173+/-301.861 χ²/NDF: 27.2/21
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -437.226+/-226.975 χ²/NDF: 57.0/56



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1297.817+/-0.298 χ^2/NDF:156955.5/11

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1287.324+/-0.213 χ^2/NDF: 173192.0/21

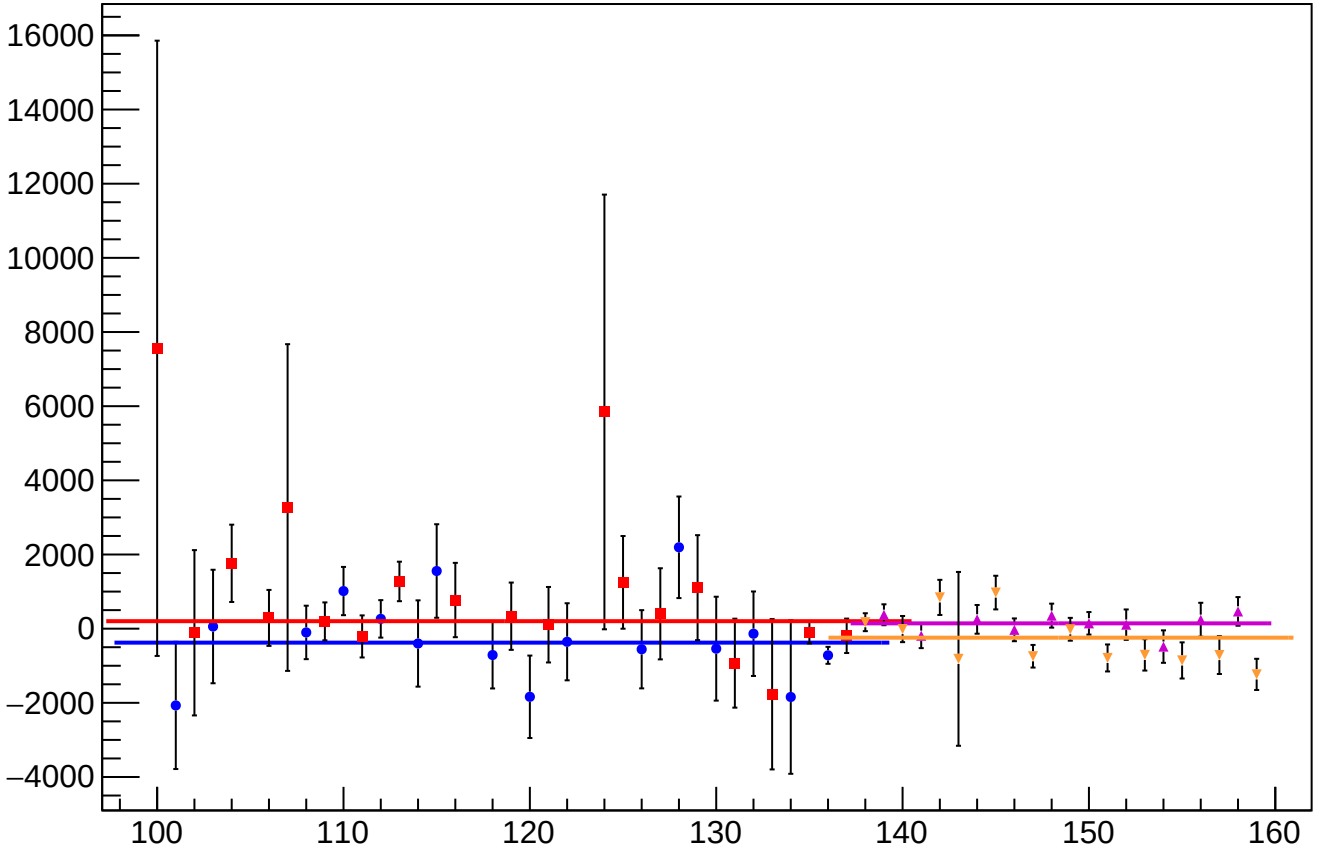
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

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: -242.973+/-109.895 χ^2/NDF:30.6/11

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

Left: -51.117+/-77.948 χ^2/NDF: 42.0/21

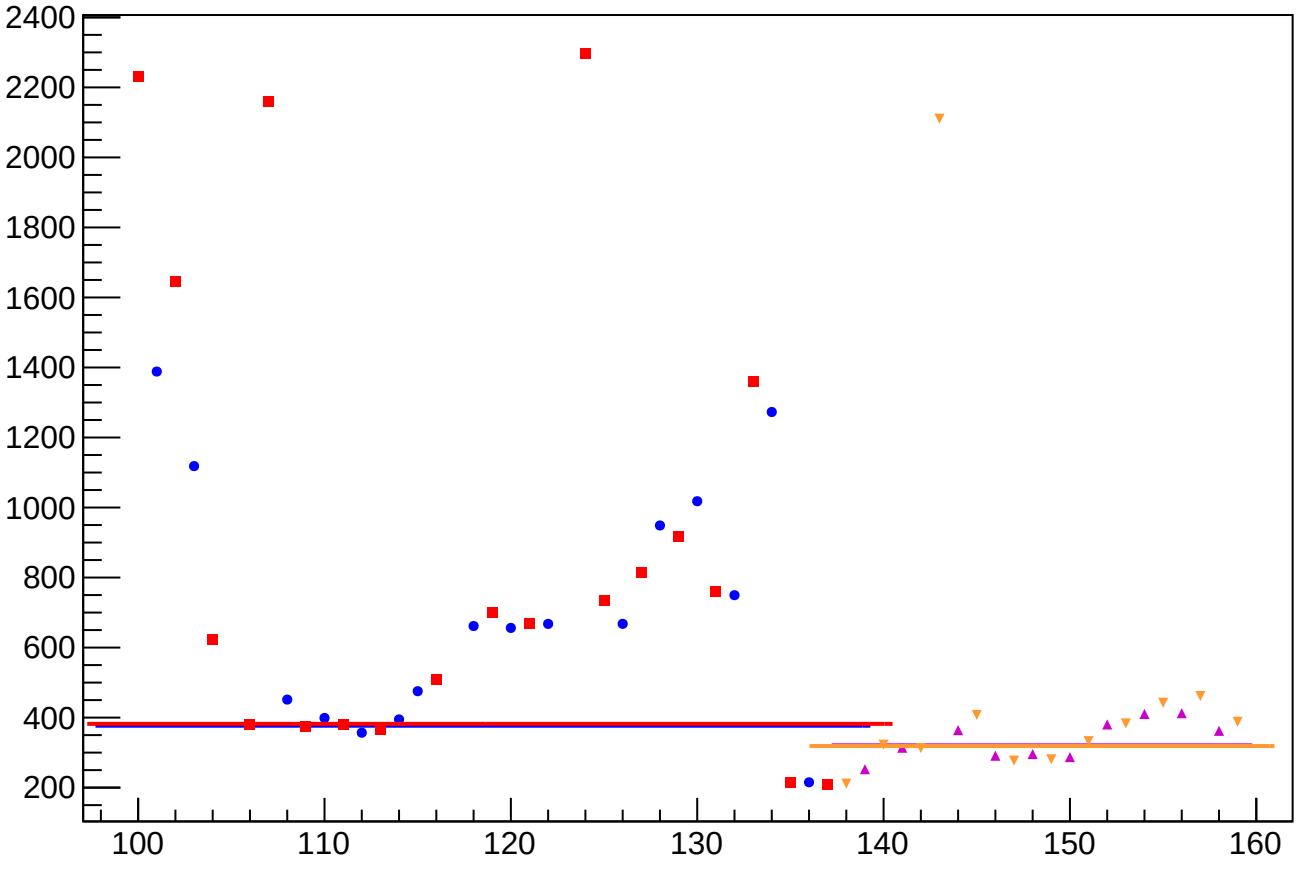
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -62.531+/-65.264 χ^2/NDF: 79.9/56

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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

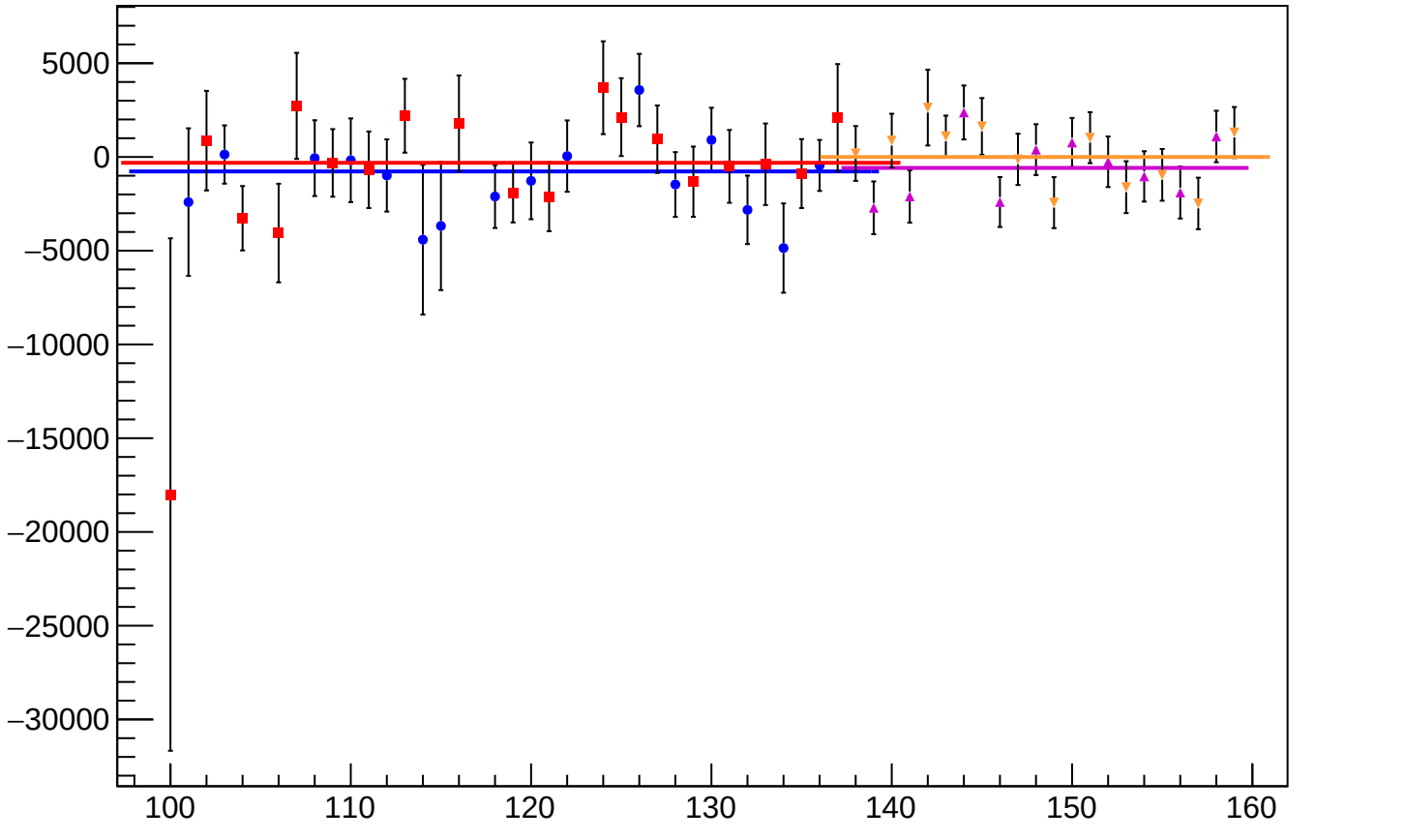
Left: 319.772+/-0.055 χ^2/NDF: 2524349.3/21

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -583.693+/-432.619 χ^2/NDF:13.7/9

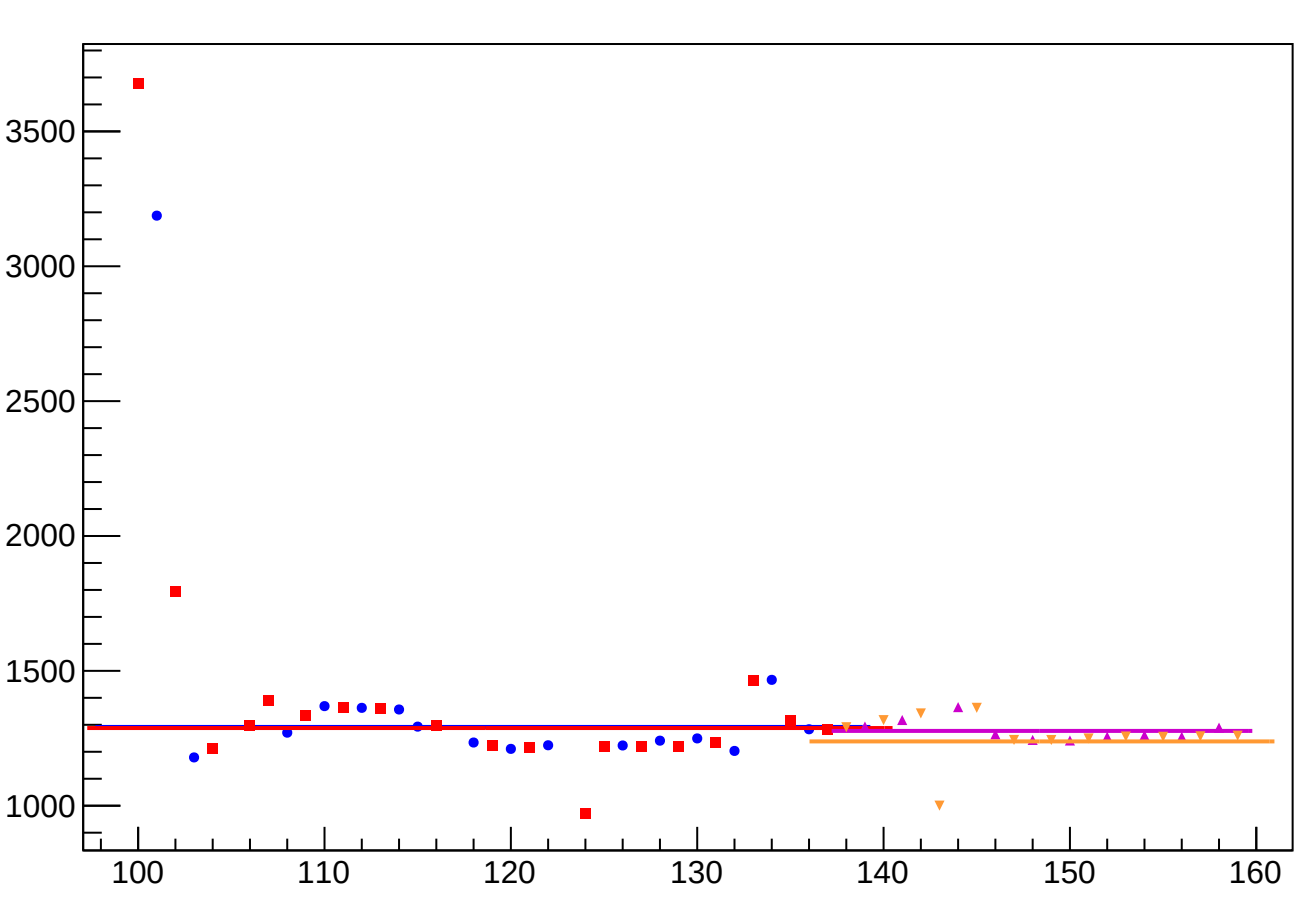
Left: -271.809+/-294.508 χ^2/NDF: 28.7/21

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -666.036+/-324.192 χ^2/NDF:27.4/25

Out: -129.015+/-308.913 χ^2/NDF:32.2/30

All: -384.573+/-223.641 χ^2/NDF: 61.0/56



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1238.413+/-0.284 χ^2/NDF:121647.9/11

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.450+/-0.208 χ^2/NDF: 144097.4/21

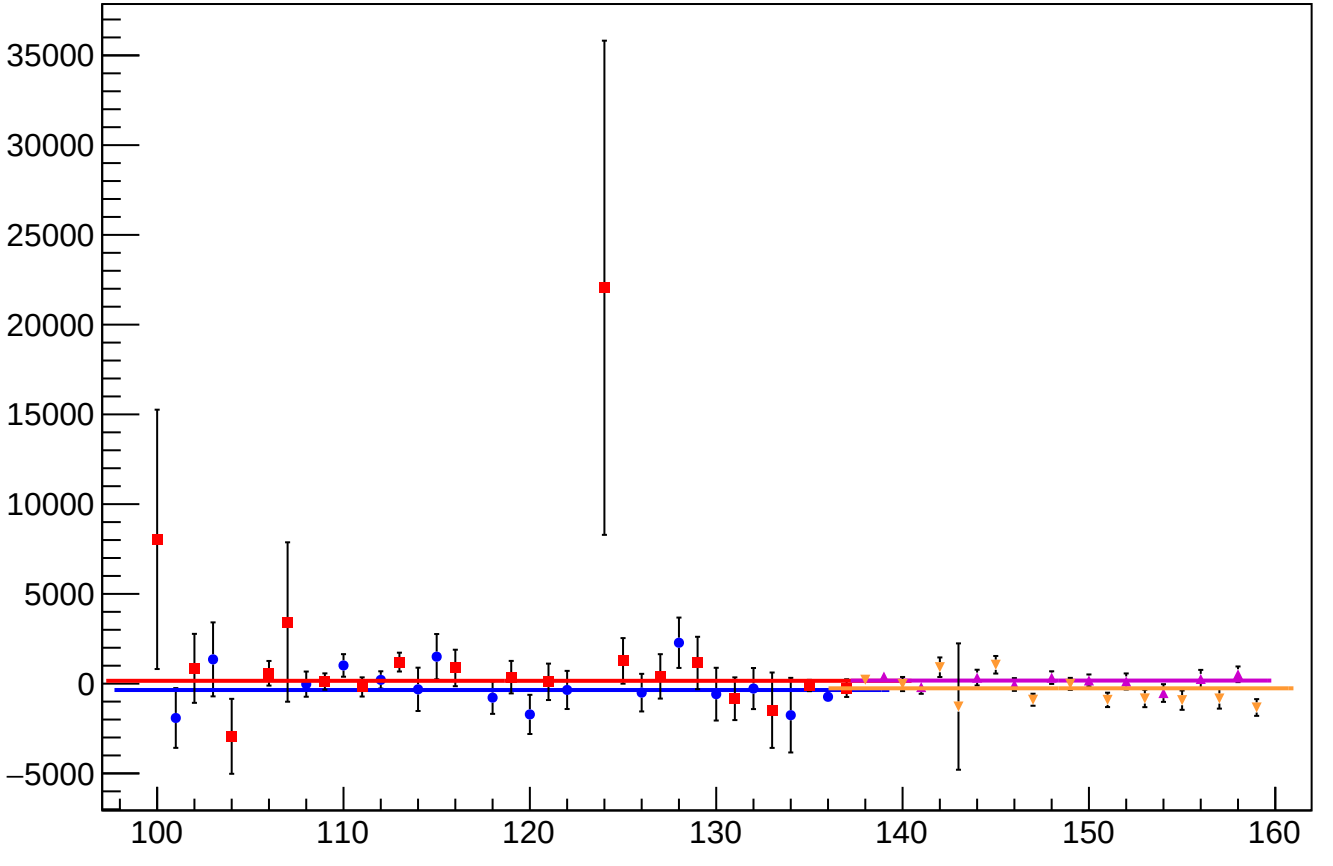
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.722+/-0.218 χ^2/NDF:343313.7/30

All: 1270.647+/-0.158 χ^2/NDF: 873759.5/56

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: -259.770+/-119.111 χ^2/NDF:32.0/11

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 171.795+/-120.669 χ^2/NDF:5.0/9

Left: -46.791+/-84.770 χ^2/NDF: 43.5/21

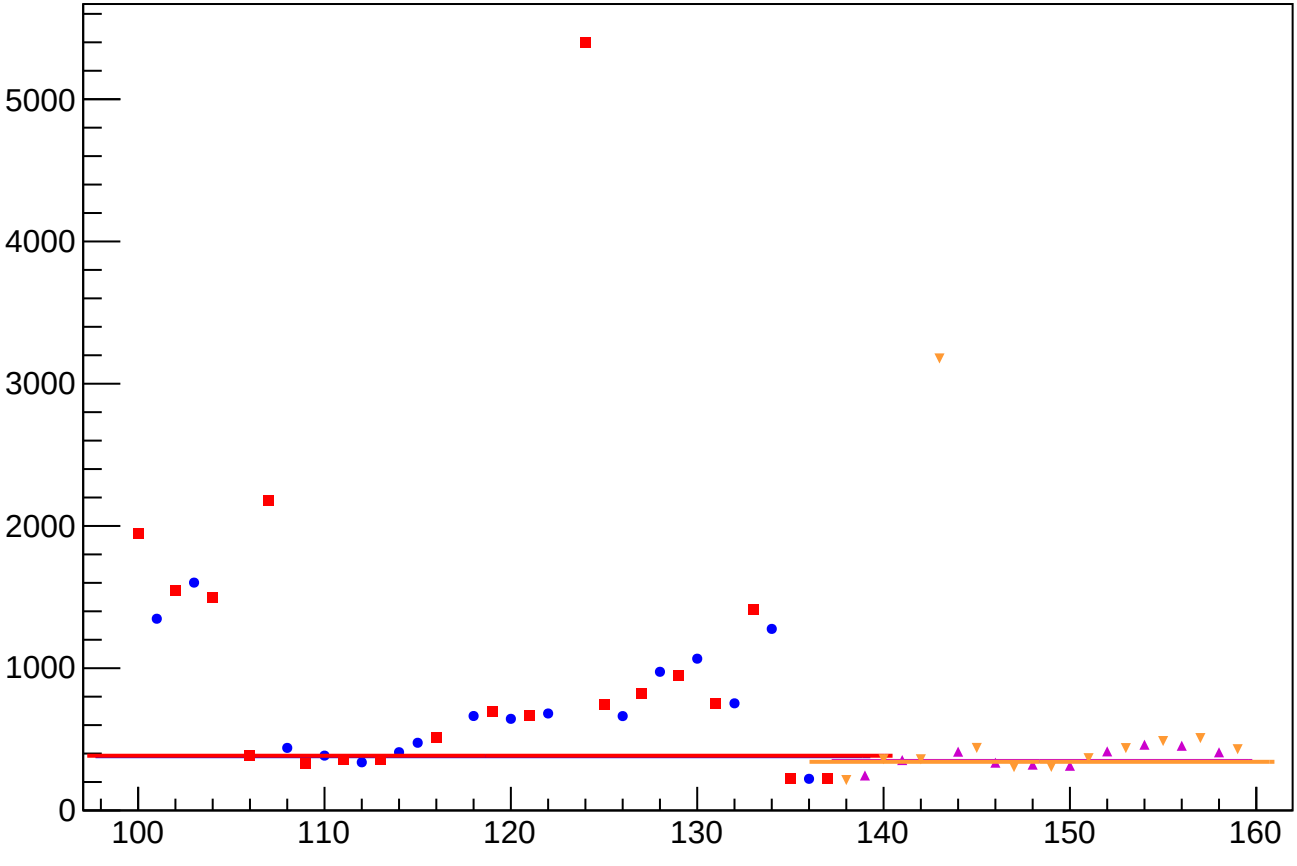
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -4.816+/-98.394 χ^2/NDF:29.8/25

Out: -121.871+/-97.486 χ^2/NDF:51.9/30

All: -63.886+/-69.252 χ^2/NDF: 82.5/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 342.022+/-0.084 χ^2/NDF:2469442.6/11

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

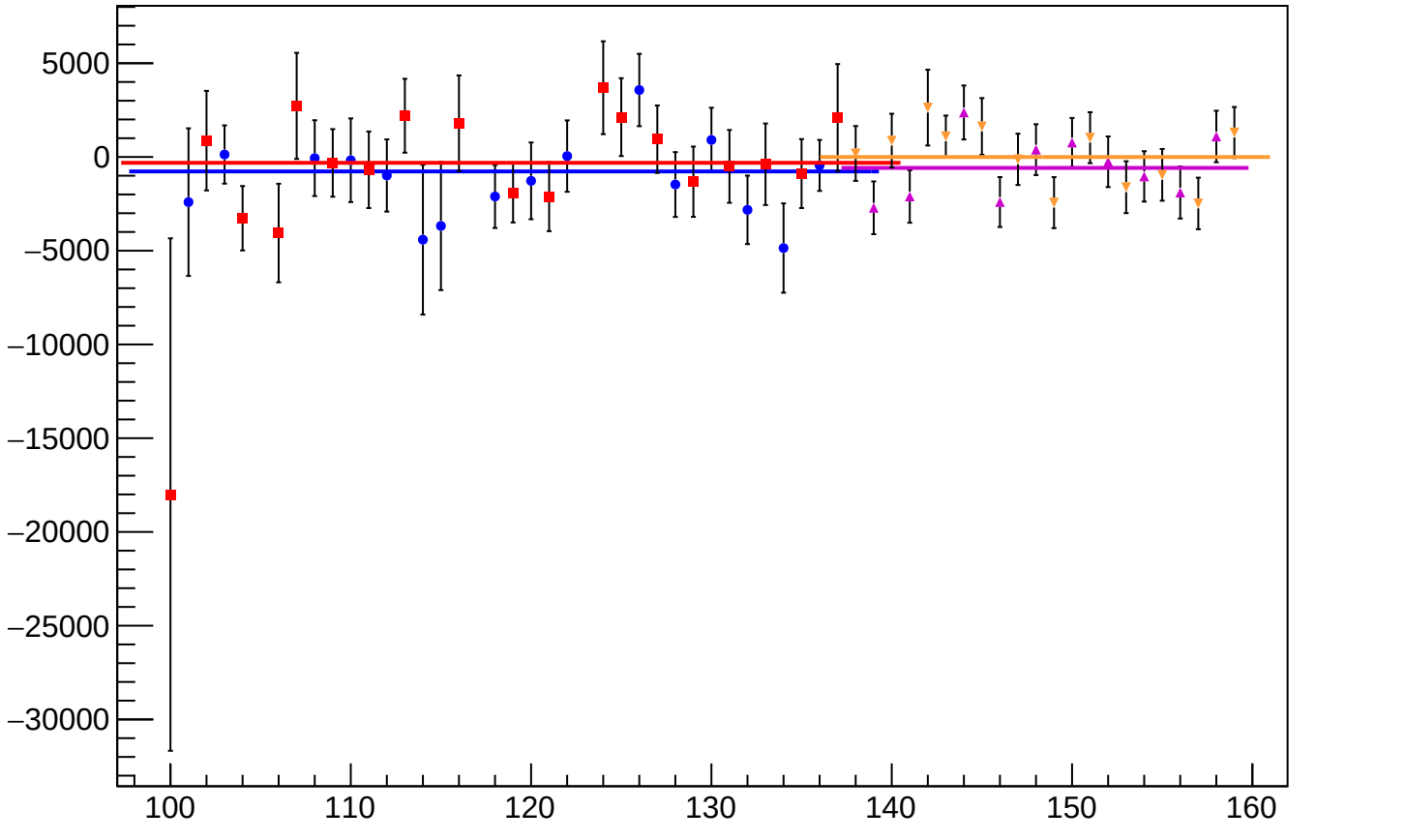
Left: 344.938+/-0.060 χ^2/NDF: 3104604.0/21

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 359.129+/-0.070 χ^2/NDF:5002061.6/25

Out: 356.096+/-0.069 χ^2/NDF:7114223.4/30

All: 357.598+/-0.049 χ^2/NDF: 12117244.4/56



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -583.690+/-432.619 χ^2/NDF:13.7/9

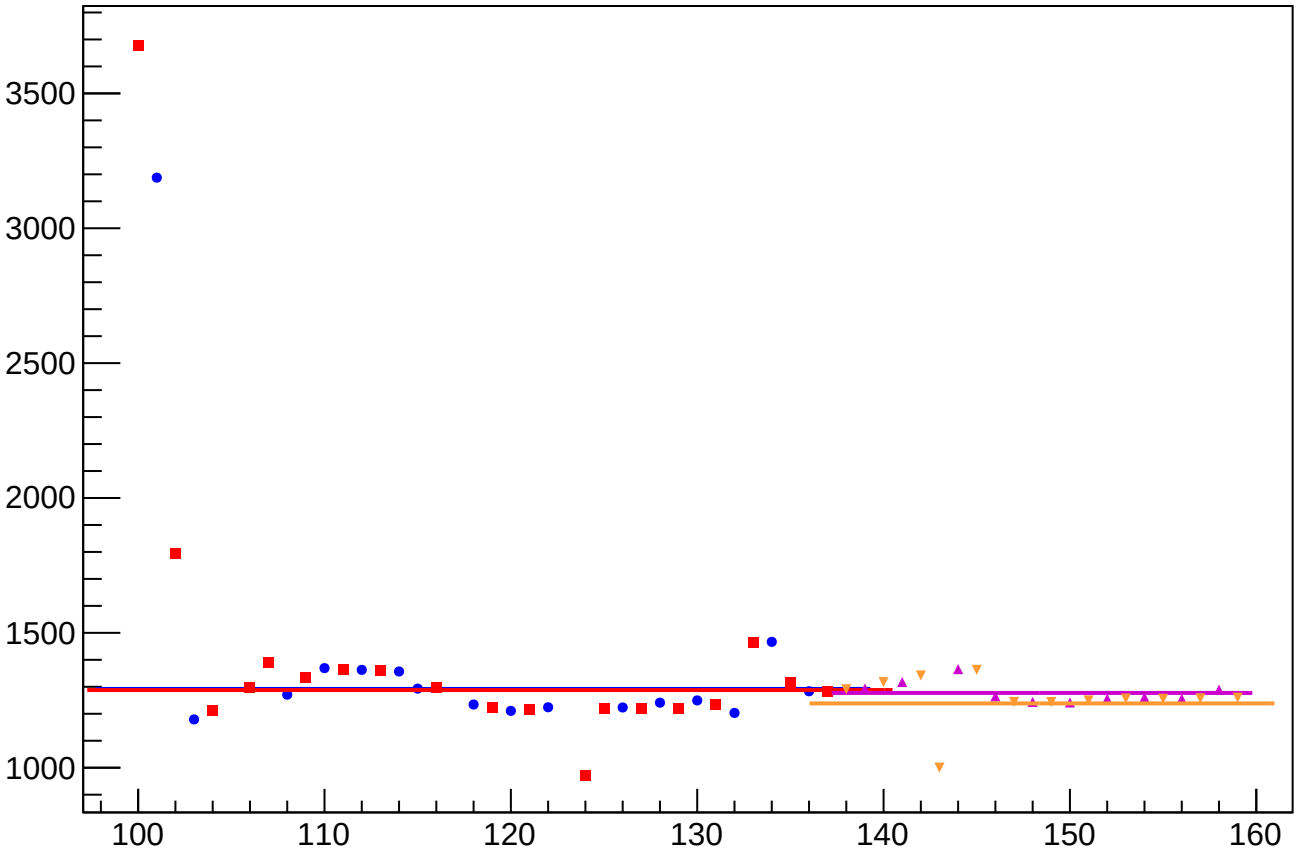
Left: -271.807+/-294.508 χ^2/NDF: 28.7/21

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -666.035+/-324.192 χ^2/NDF:27.4/25

Out: -129.015+/-308.913 χ^2/NDF:32.2/30

All: -384.573+/-223.641 χ^2/NDF: 61.0/56



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1238.413+/-0.284 χ^2/NDF:121647.1/11

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.450+/-0.208 χ^2/NDF: 144096.6/21

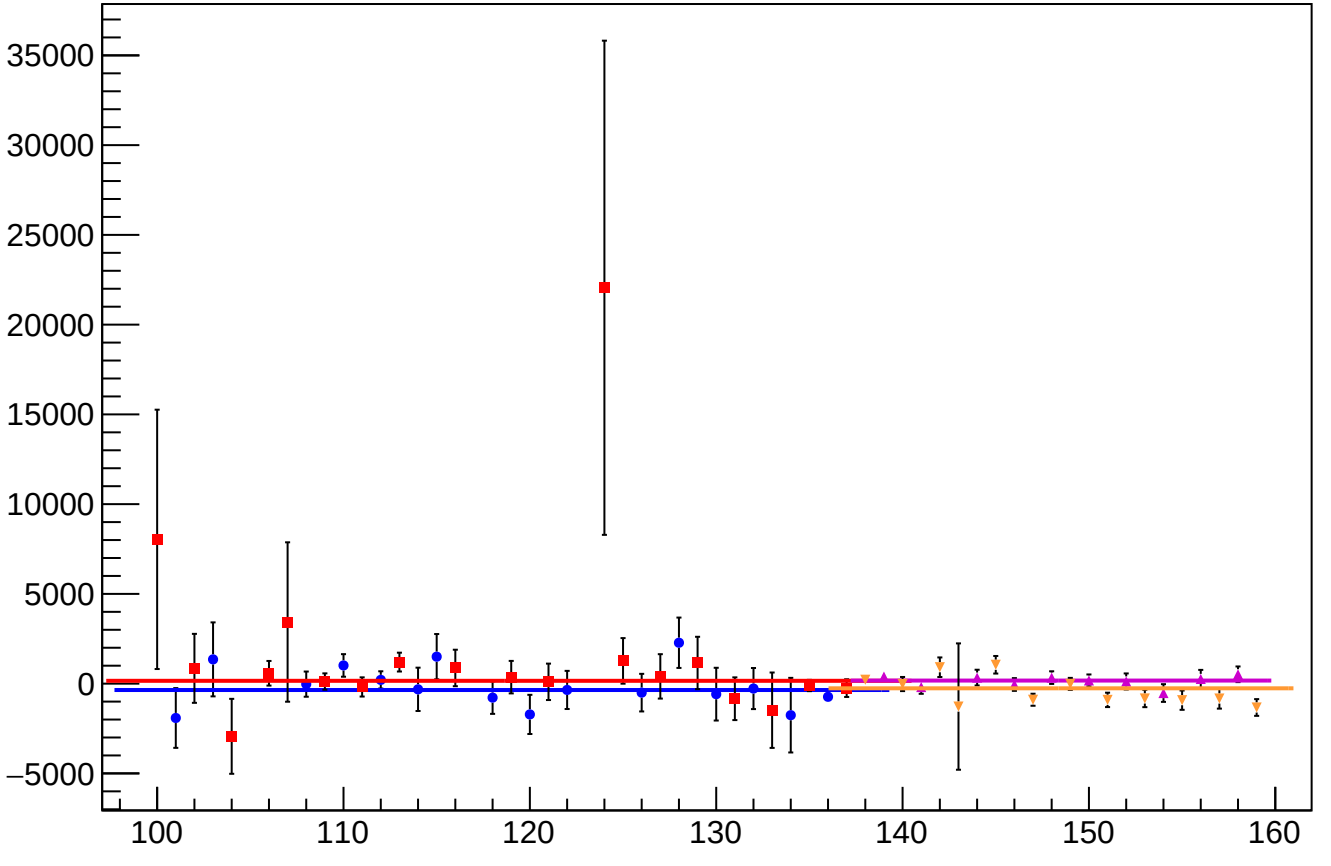
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.722+/-0.218 χ^2/NDF:343313.1/30

All: 1270.647+/-0.158 χ^2/NDF: 873758.8/56

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: -259.781+/-119.113 χ^2/NDF:32.0/11

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 171.796+/-120.670 χ^2/NDF:5.0/9

Left: -46.795+/-84.771 χ^2/NDF: 43.5/21

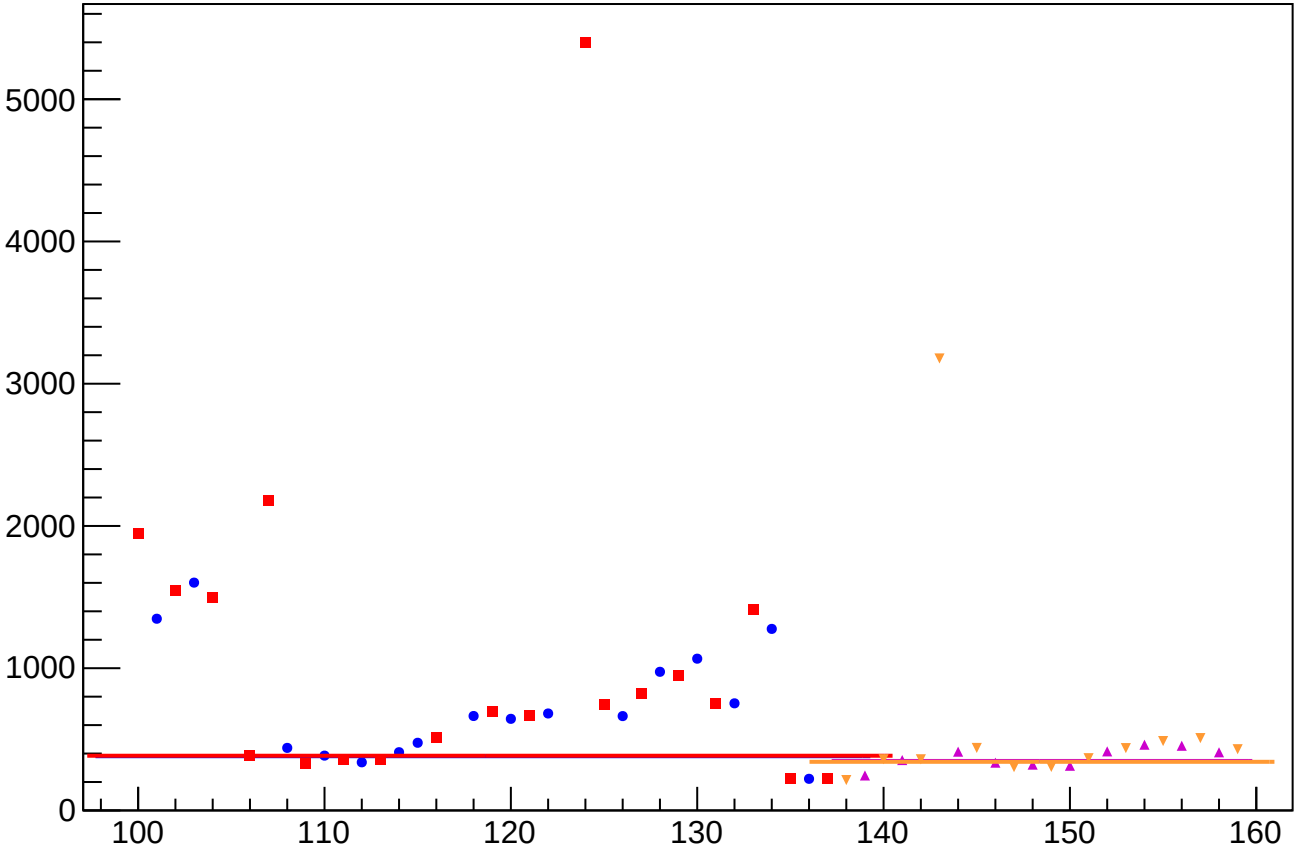
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -4.814+/-98.395 χ^2/NDF:29.8/25

Out: -121.876+/-97.488 χ^2/NDF:51.9/30

All: -63.888+/-69.253 χ^2/NDF: 82.5/56

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: 342.029+/-0.084 χ^2/NDF:2469281.6/11

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

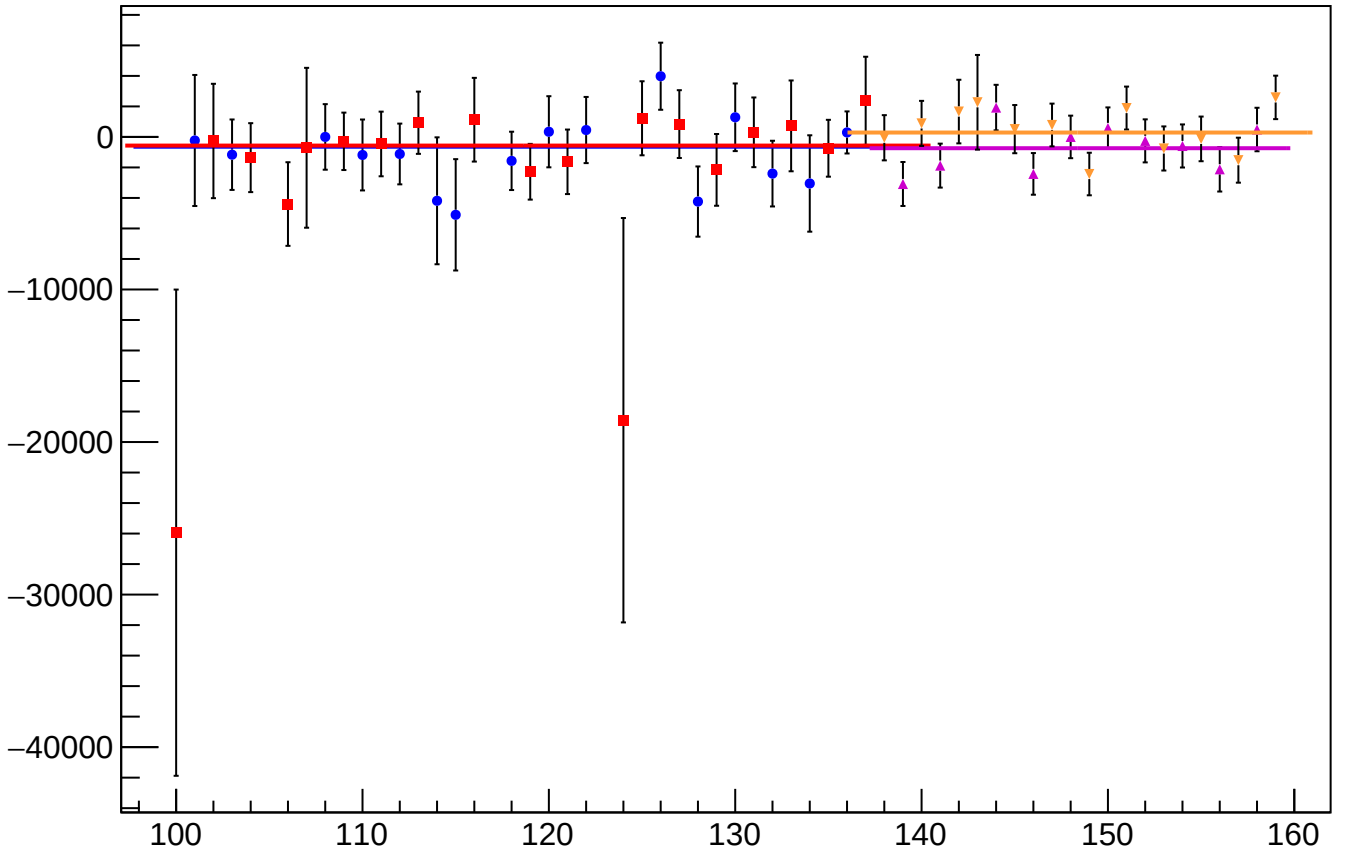
Left: 344.944+/-0.060 χ^2/NDF: 3104350.0/21

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 359.136+/-0.070 χ^2/NDF:5001799.4/25

Out: 356.103+/-0.069 χ^2/NDF:7113923.4/30

All: 357.605+/-0.049 χ^2/NDF: 12116681.6/56



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 288.206+/-443.931 χ^2/NDF:11.0/11

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -739.423+/-448.049 χ^2/NDF:11.0/9

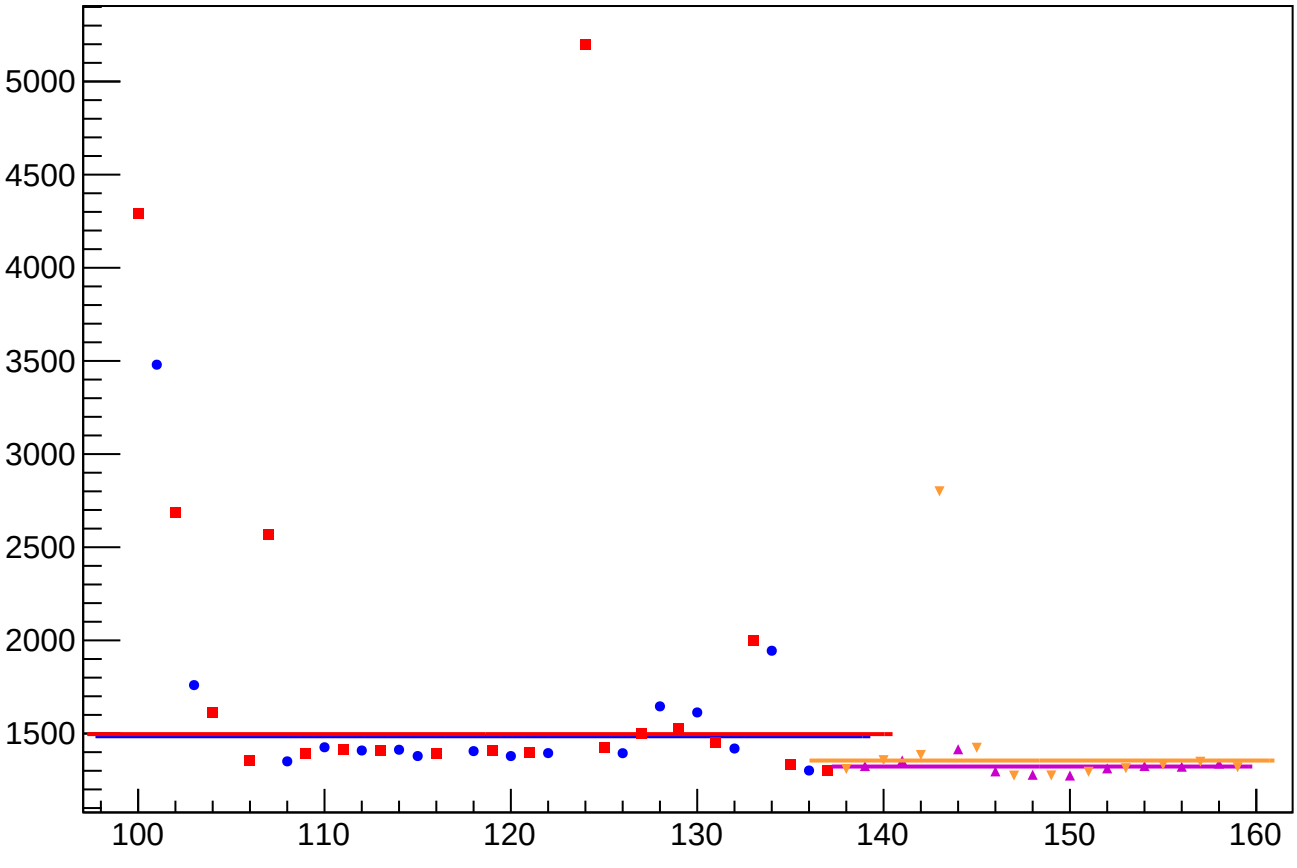
Left: -220.865+/-315.353 χ^2/NDF: 24.7/21

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -701.304+/-350.910 χ^2/NDF:23.5/25

Out: -37.064+/-349.488 χ^2/NDF:23.8/30

All: -367.835+/-247.626 χ^2/NDF: 49.1/56



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1355.044+/-0.314 χ^2/NDF:460197.8/11

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

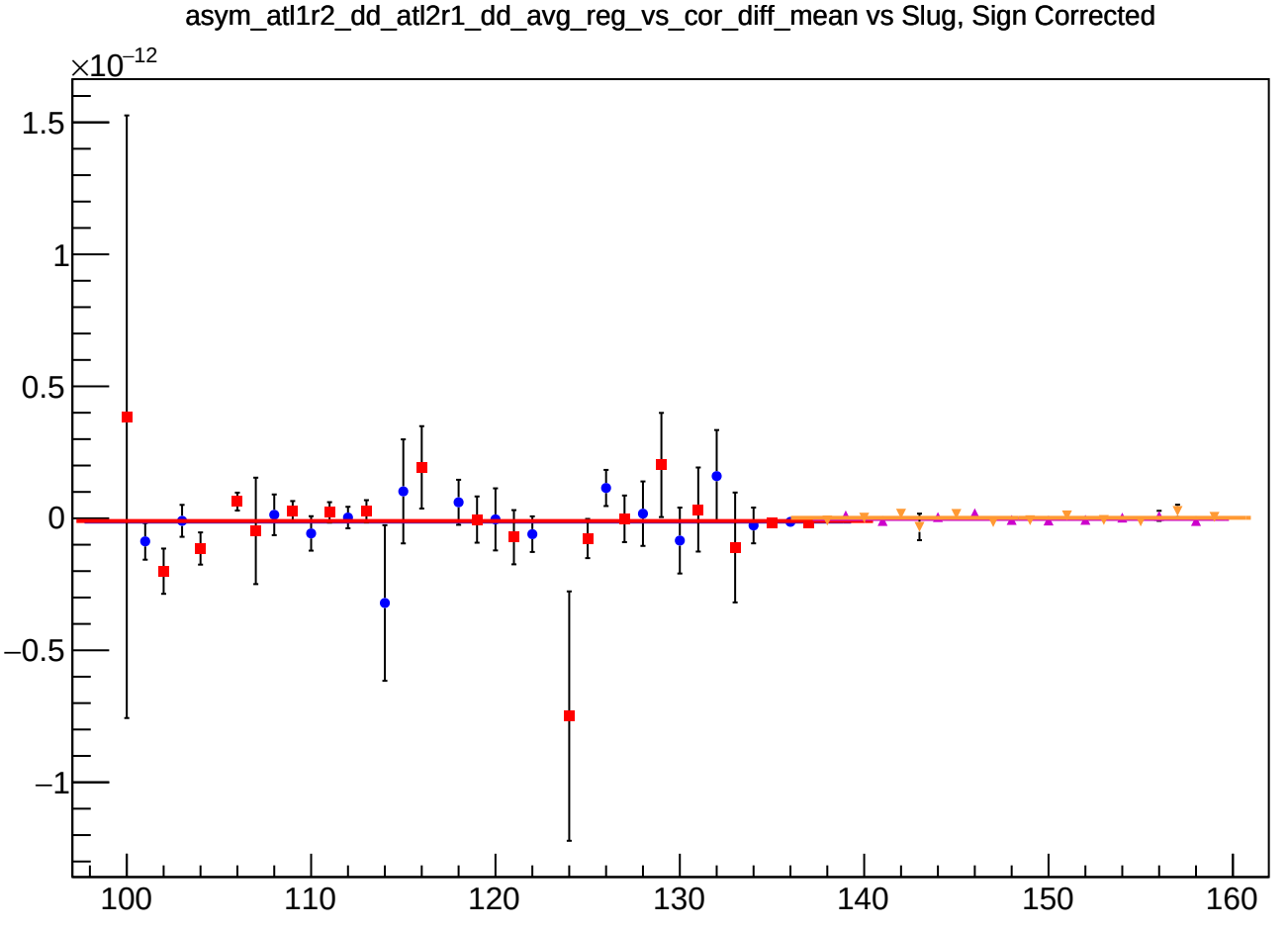
Left: 1339.086+/-0.223 χ^2/NDF: 479830.6/21

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1385.669+/-0.248 χ^2/NDF:700644.5/25

Out: 1408.969+/-0.247 χ^2/NDF:1161102.0/30

All: 1397.366+/-0.175 χ^2/NDF: 1866173.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

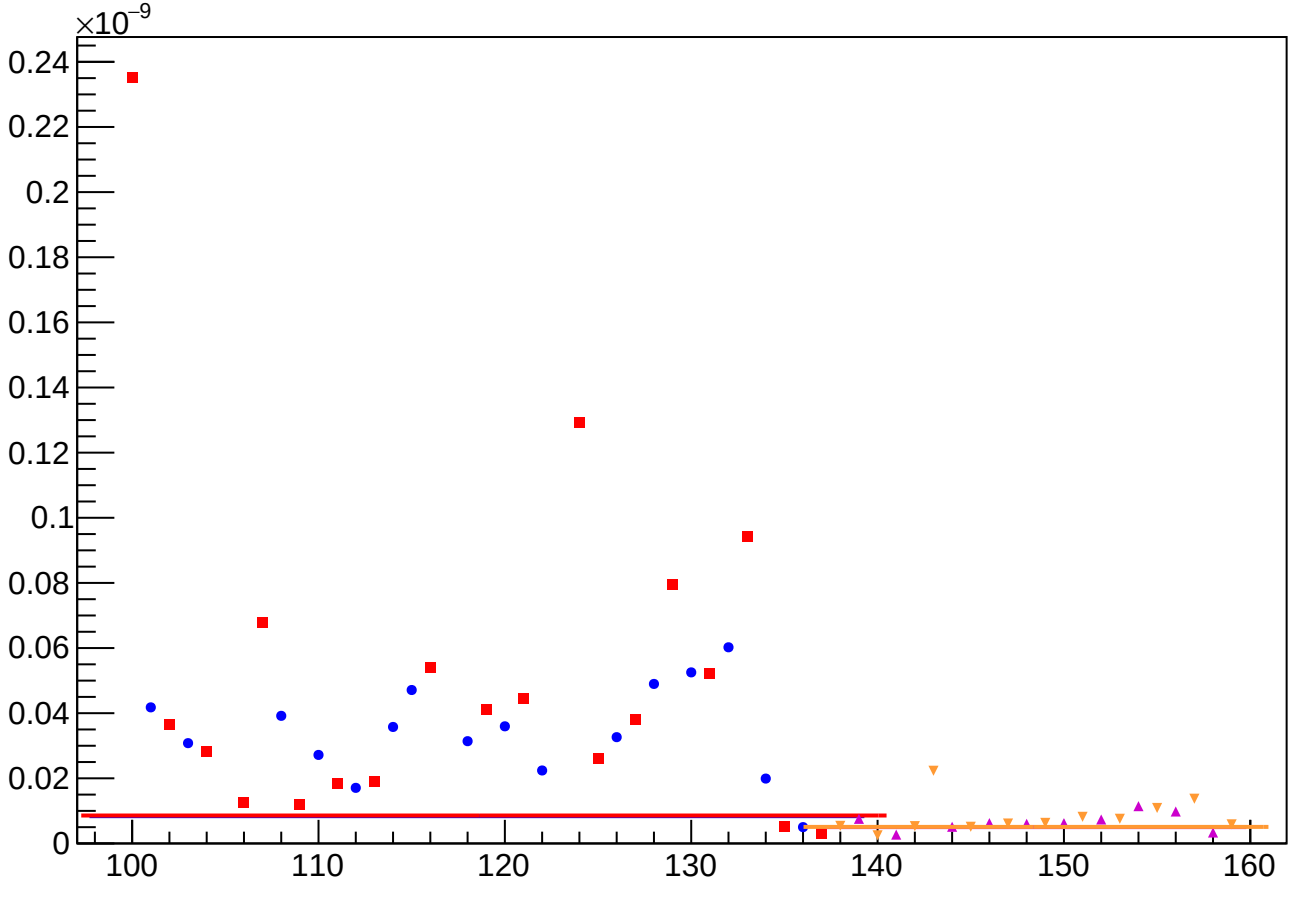
Left: -0.000+/-0.000 χ^2/NDF: 24.0/21

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:21.8/25

Out: 0.000+/-0.000 χ^2/NDF:36.4/30

All: -0.000+/-0.000 χ^2/NDF: 59.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534636.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2605971.3/21

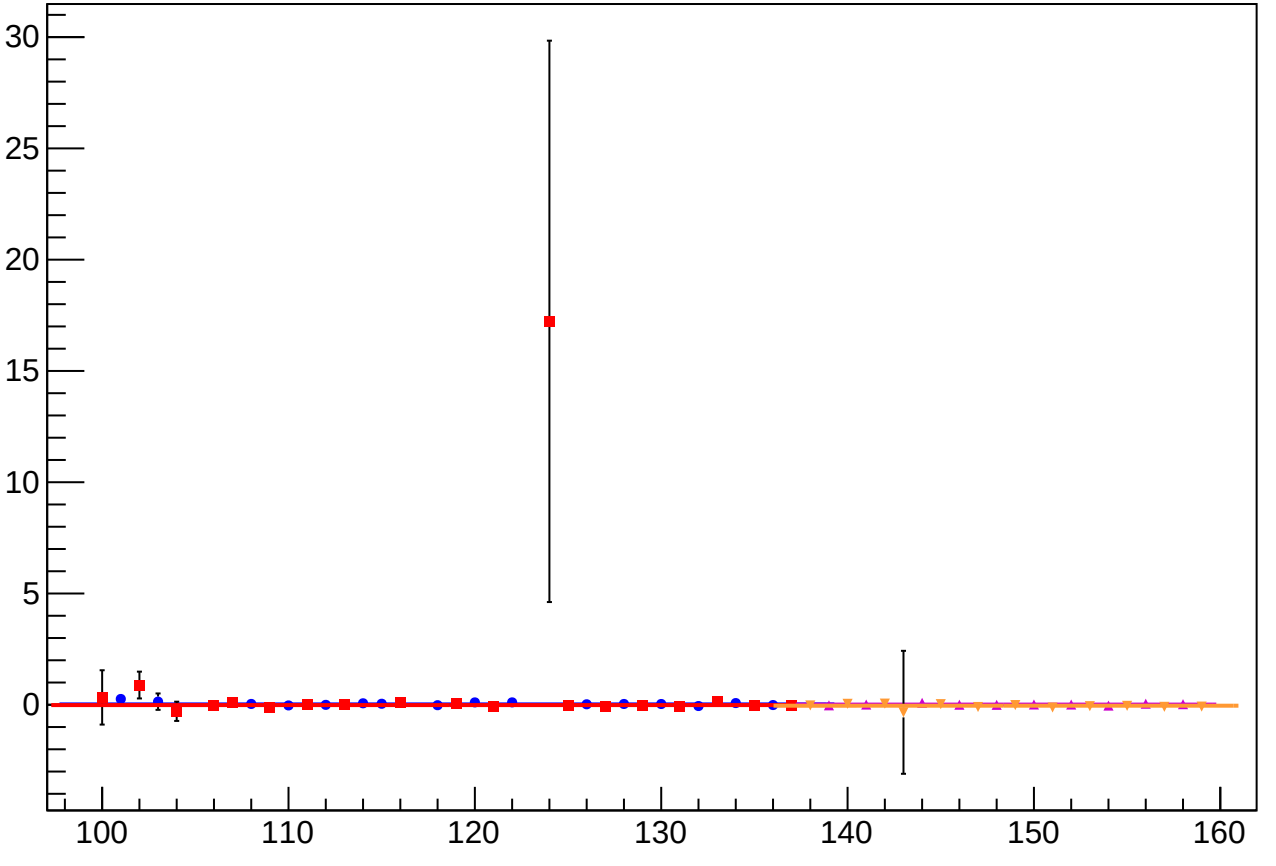
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4483992.1/25

Out: 0.000+/-0.000 χ^2/NDF:5219662.2/30

All: 0.000+/-0.000 χ^2/NDF: 9703667.1/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

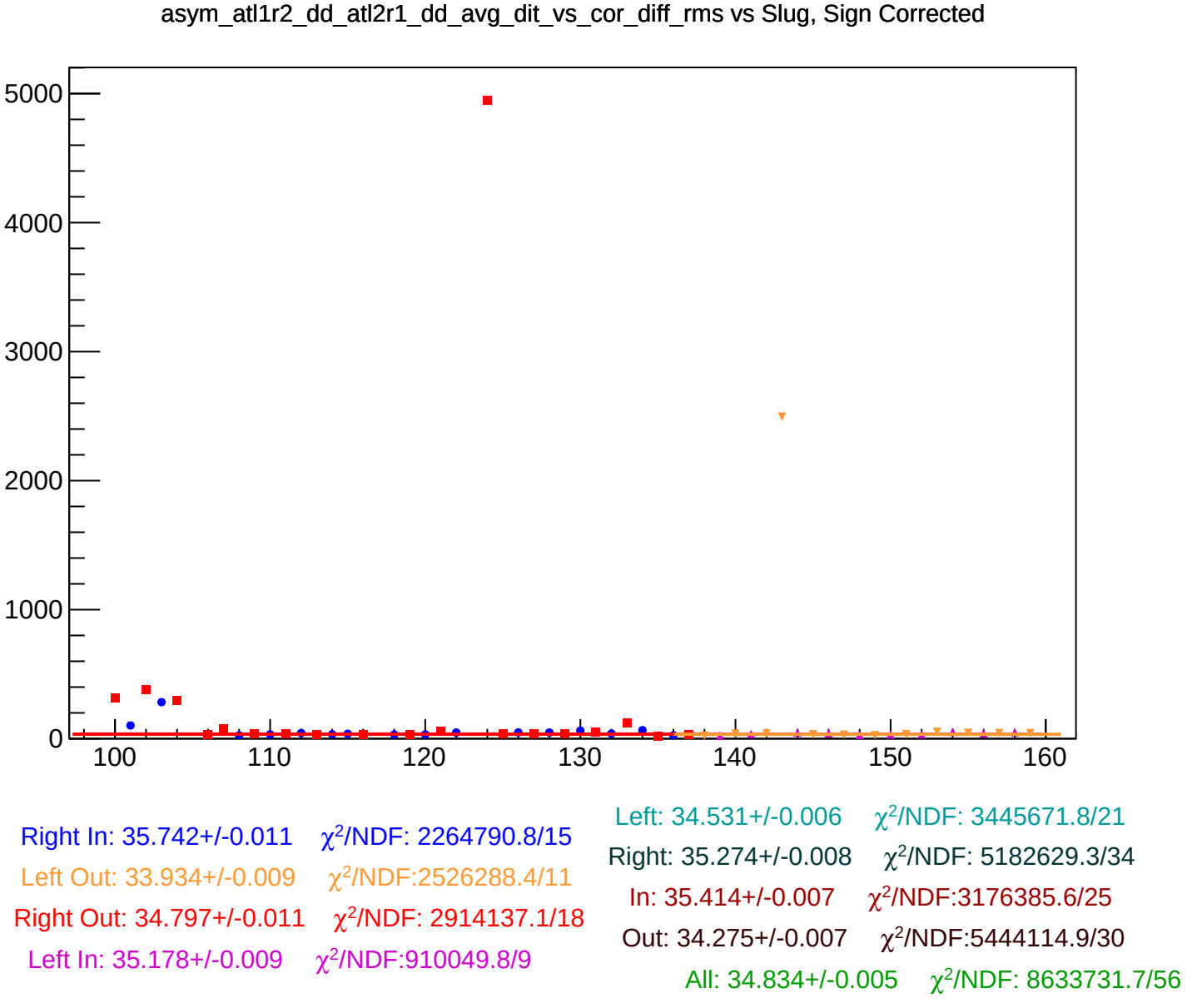
Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

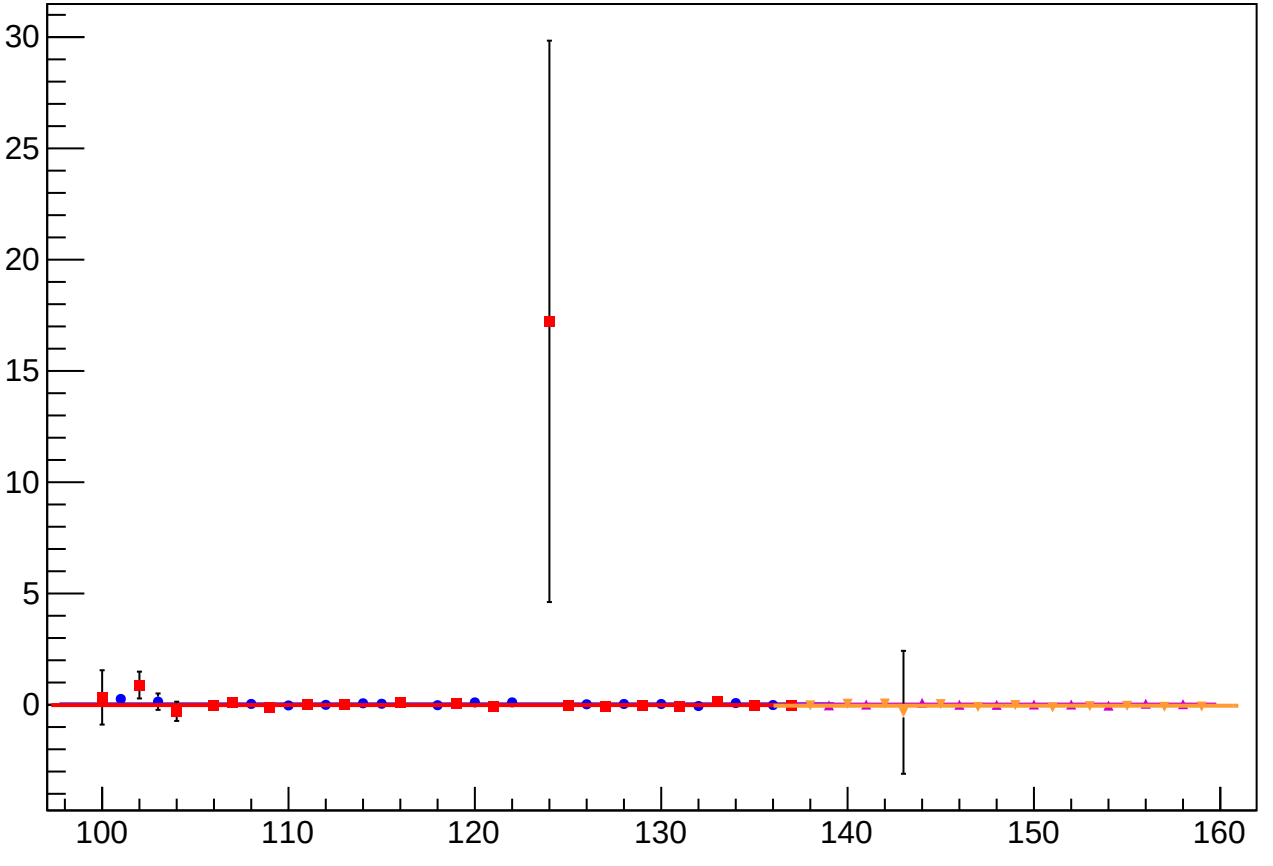
In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
Right In: 35.742+/-0.011 χ²/NDF: 2264790.8/15
Left Out: 33.934+/-0.009 χ²/NDF:2526288.4/11
Right Out: 34.797+/-0.011 χ²/NDF: 2914137.1/18
Left In: 35.178+/-0.009 χ²/NDF:910049.8/9
Left: 34.531+/-0.006 χ²/NDF: 3445671.8/21
Right: 35.274+/-0.008 χ²/NDF: 5182629.3/34
In: 35.414+/-0.007 χ²/NDF:3176385.6/25
Out: 34.275+/-0.007 χ²/NDF:5444114.9/30
All: 34.834+/-0.005 χ²/NDF: 8633731.7/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

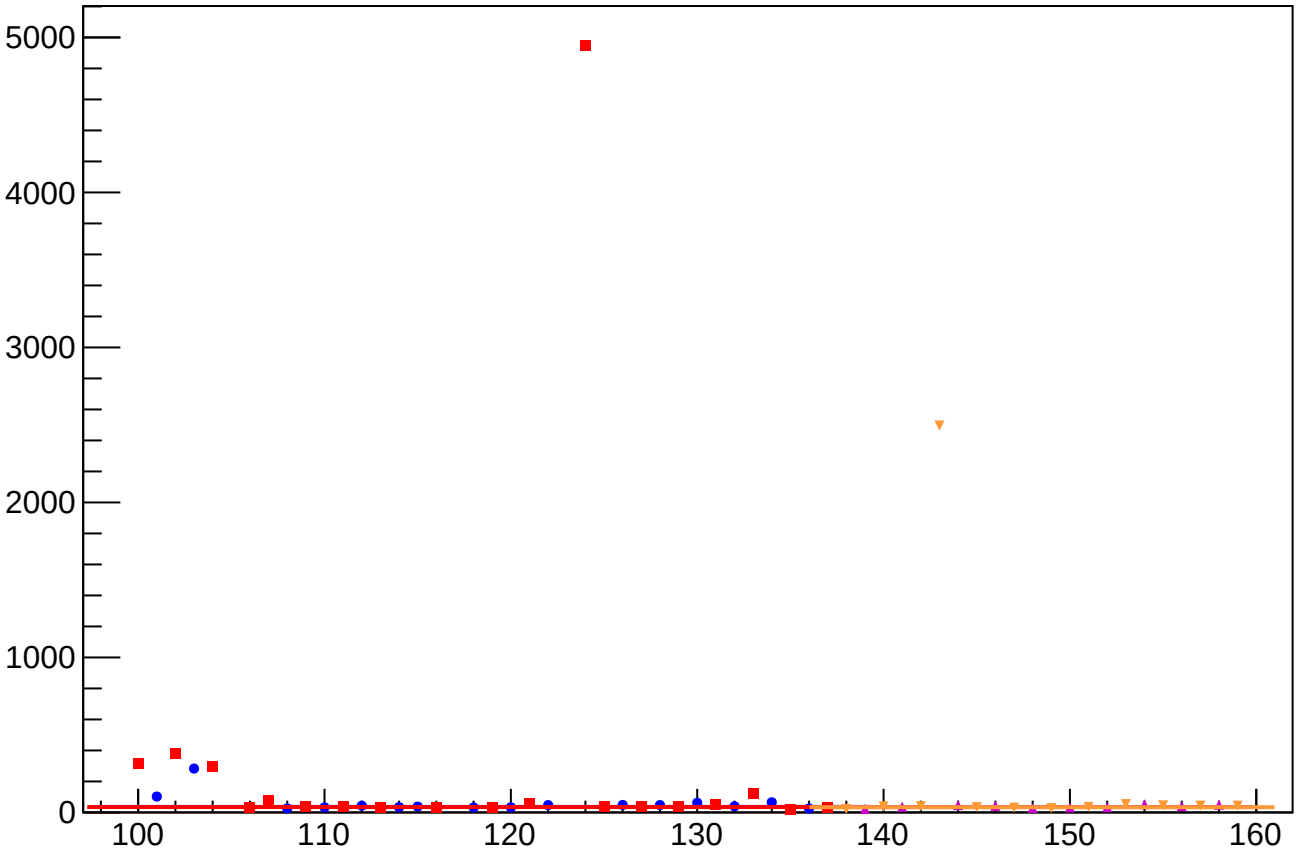
Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

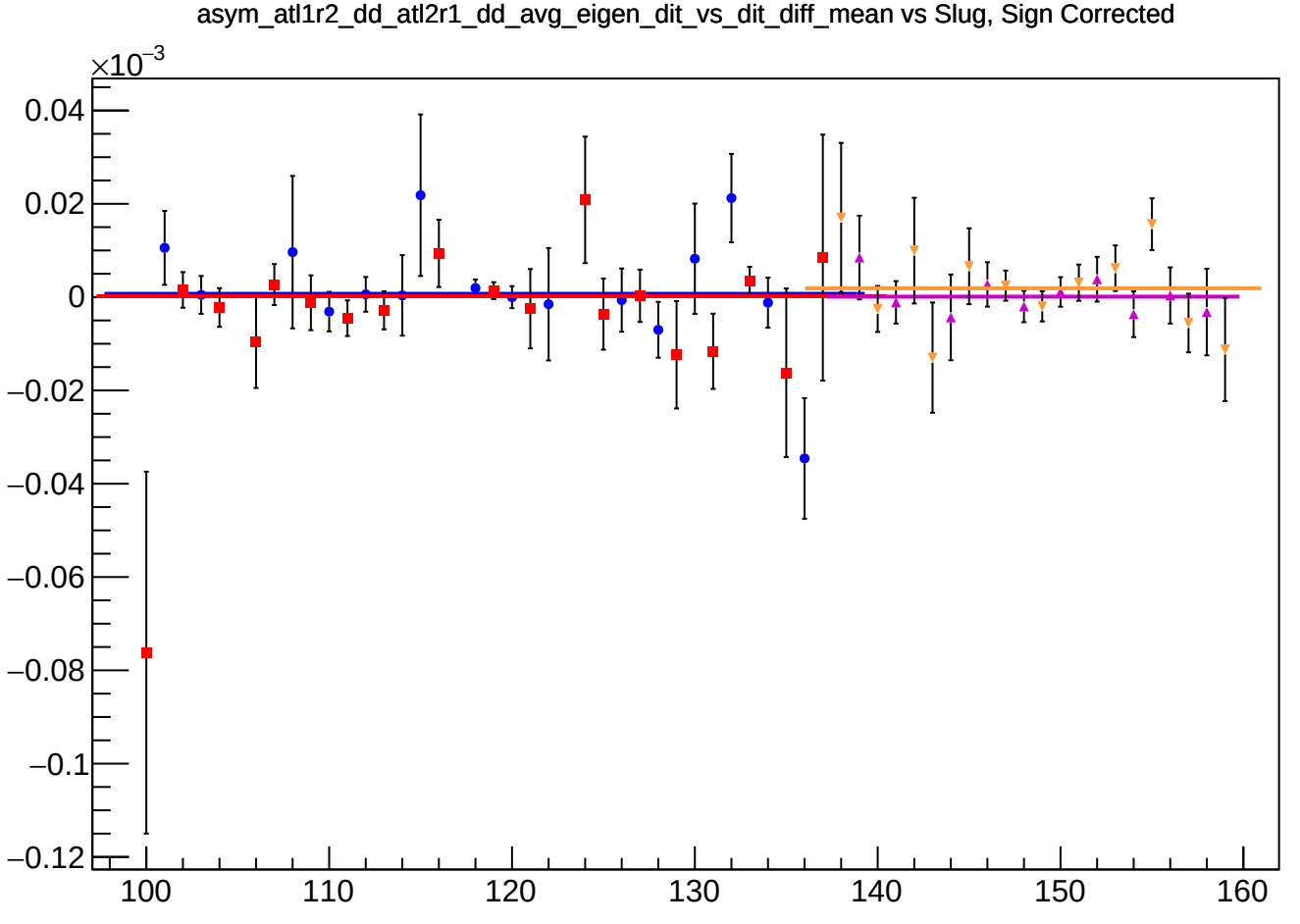
Left: 34.531+/-0.006 χ^2/NDF: 3445671.8/21

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

Left: 0.000+/-0.000 χ^2/NDF: 19.4/21

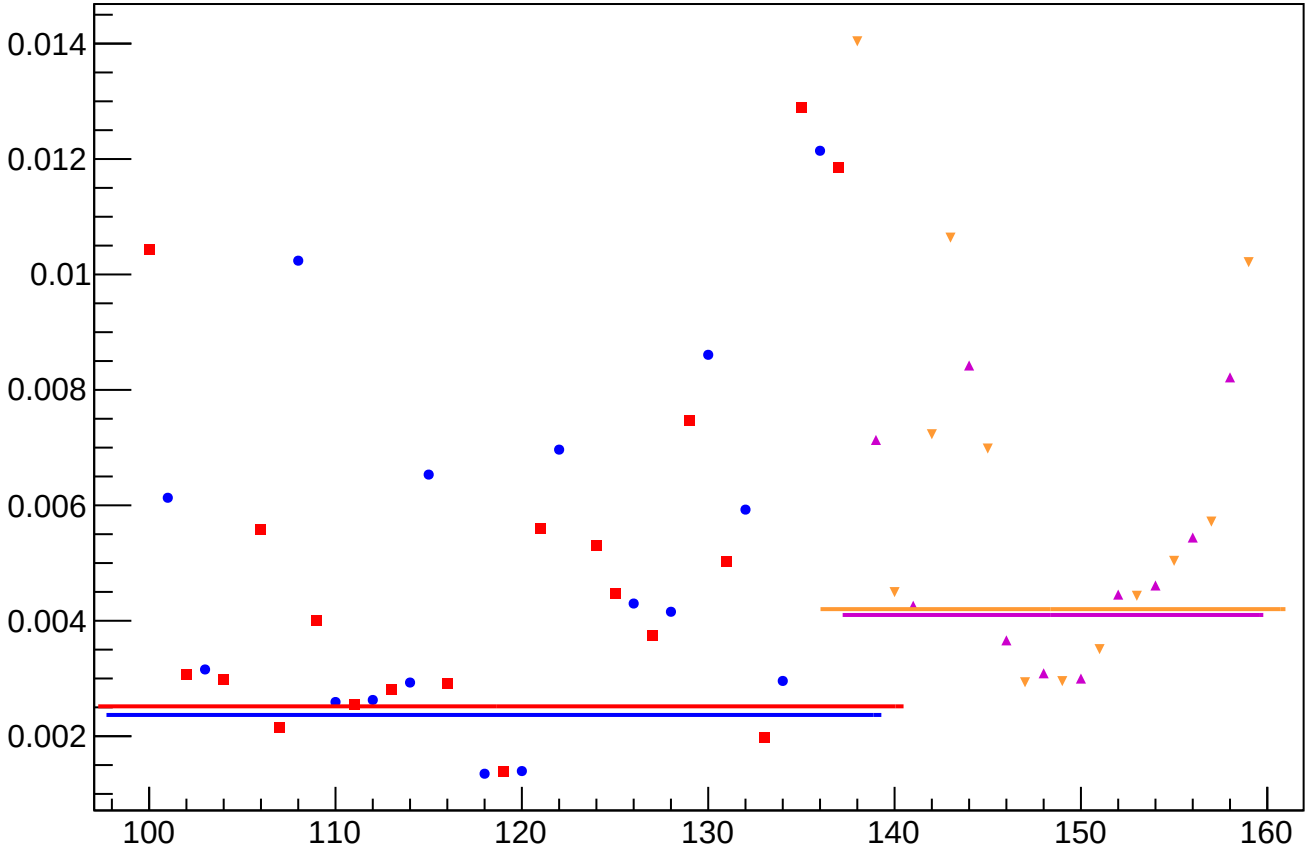
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.5/25

Out: 0.000+/-0.000 χ^2/NDF:34.3/30

All: 0.000+/-0.000 χ^2/NDF: 56.9/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3160270.0/11

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

Left: 0.004+/-0.000 χ^2/NDF: 4801411.7/21

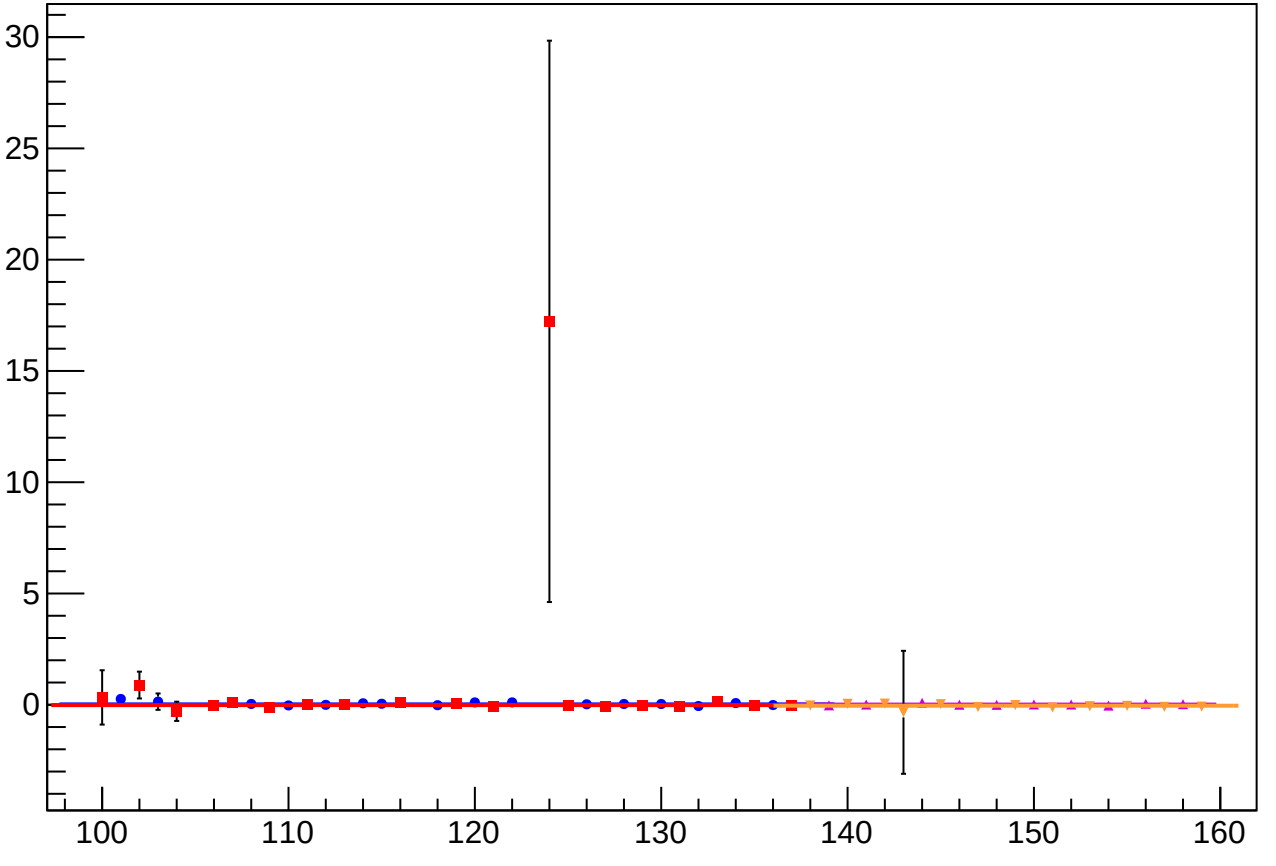
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8044772.0/25

Out: 0.003+/-0.000 χ^2/NDF:8226627.1/30

All: 0.003+/-0.000 χ^2/NDF: 16288226.9/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

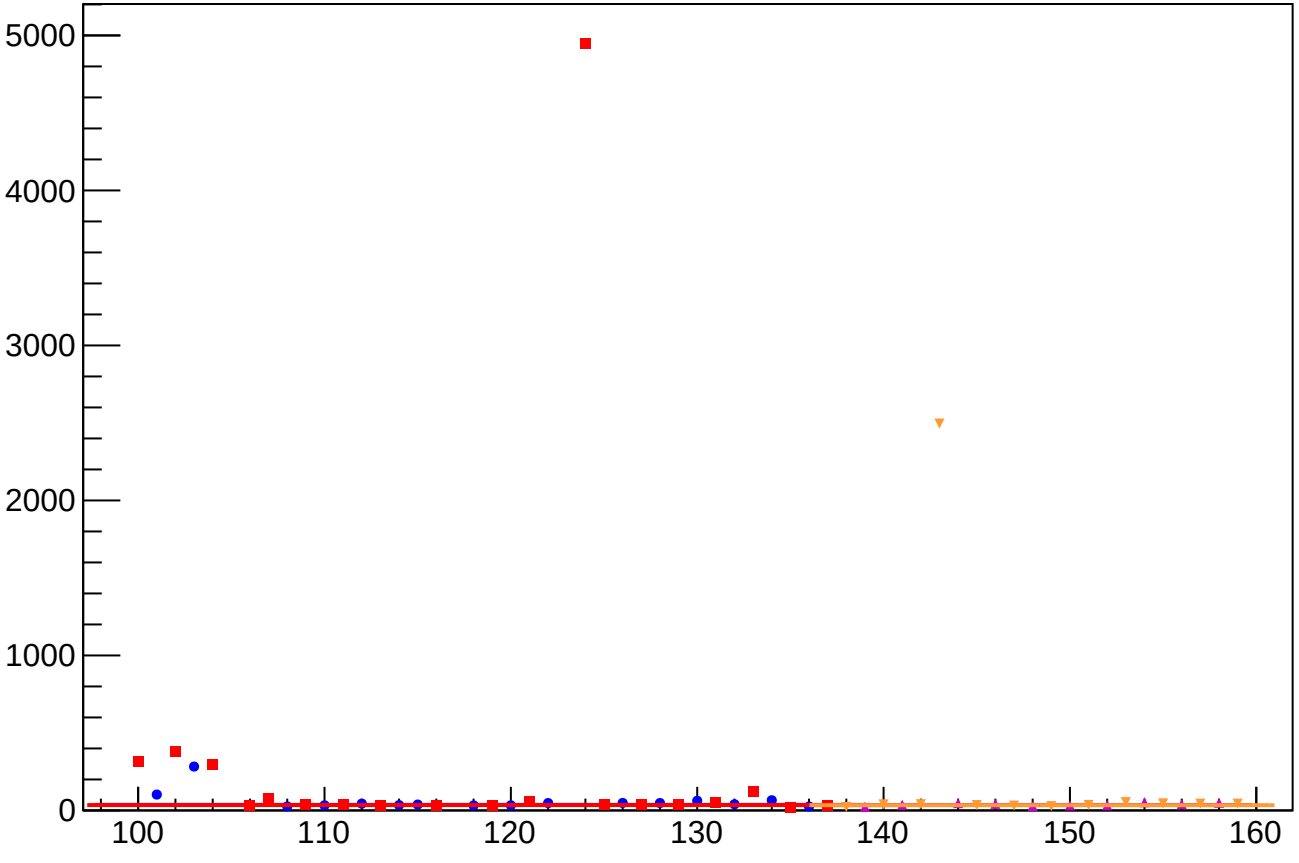
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56

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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

Left: 34.531+/-0.006 χ^2/NDF: 3446520.5/21

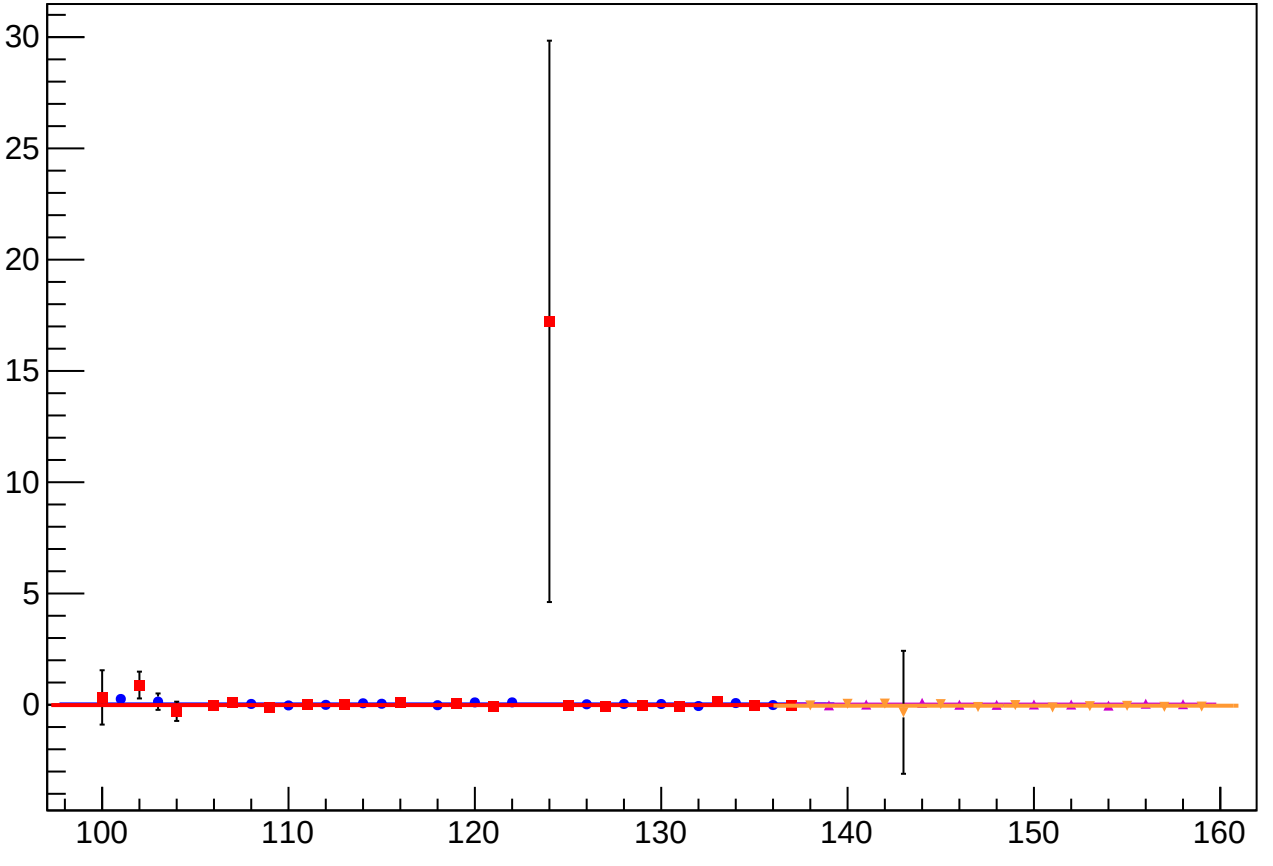
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56

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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.017+/-0.009 χ^2/NDF: 29.8/21

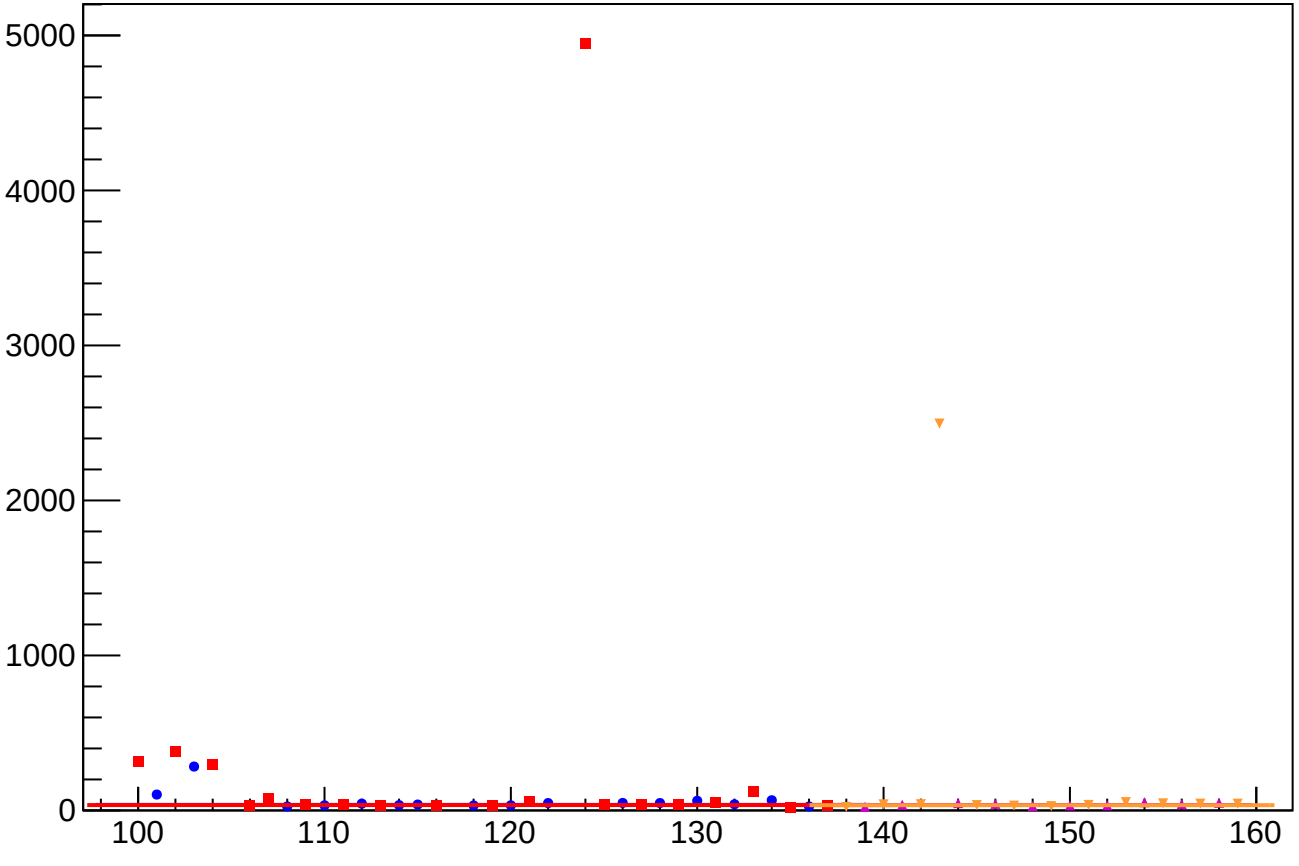
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/56

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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

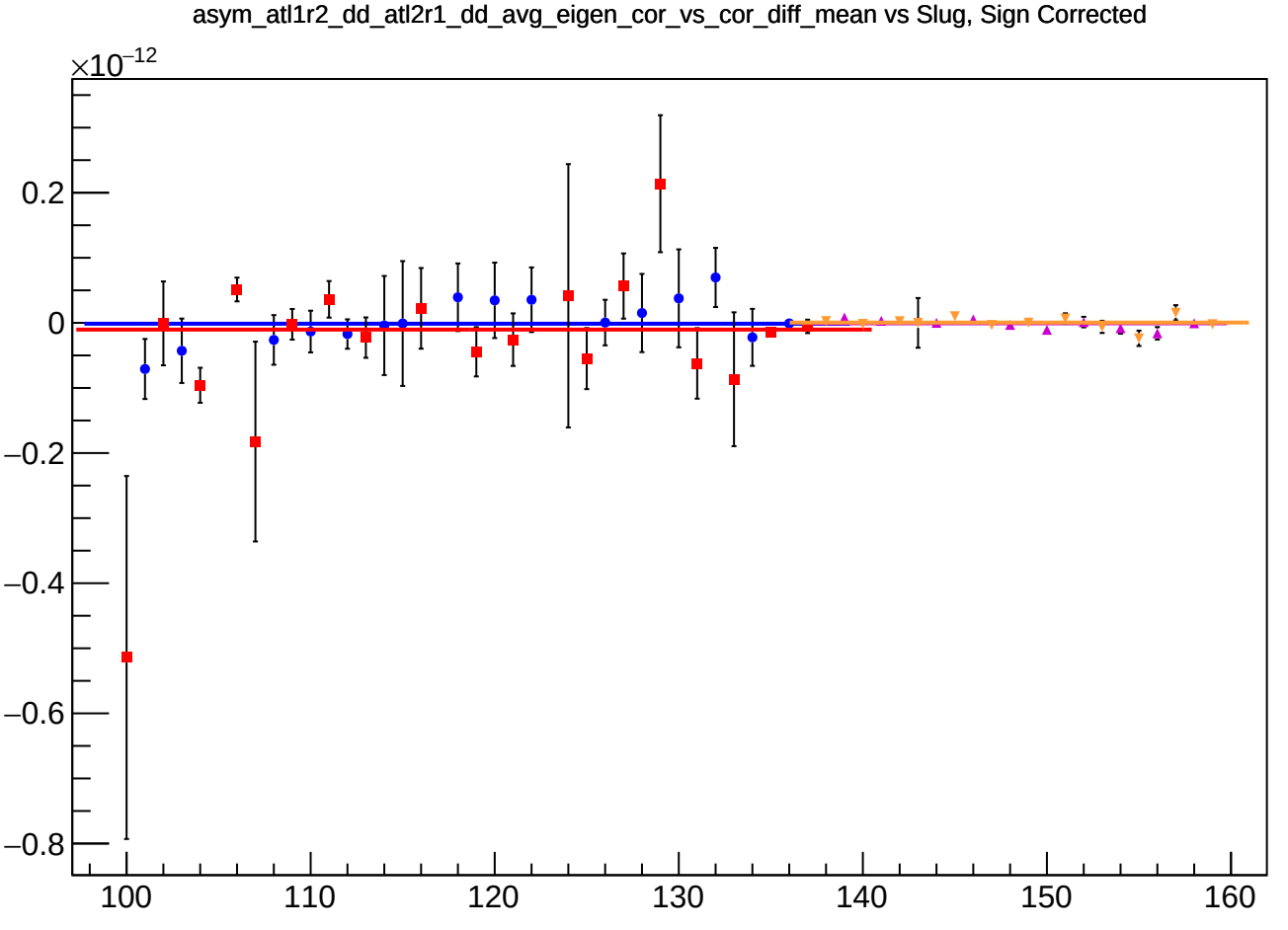
Left: 34.531+/-0.006 χ^2/NDF: 3446520.5/21

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/9

Left: -0.000+/-0.000 χ^2/NDF: 21.8/21

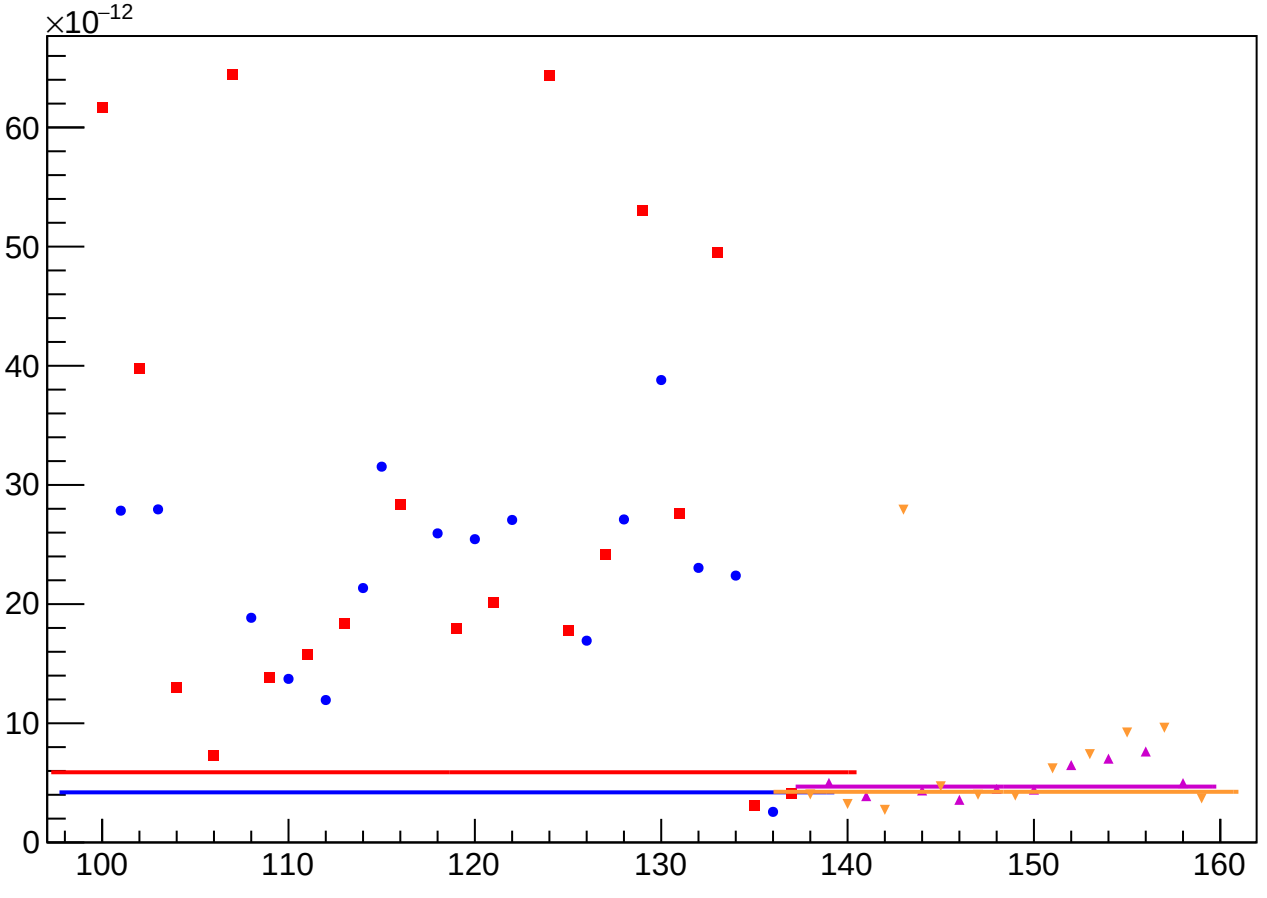
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: -0.000+/-0.000 χ^2/NDF:19.7/25

Out: -0.000+/-0.000 χ^2/NDF:56.0/30

All: -0.000+/-0.000 χ^2/NDF: 75.7/56

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:2249616.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:634805.2/9

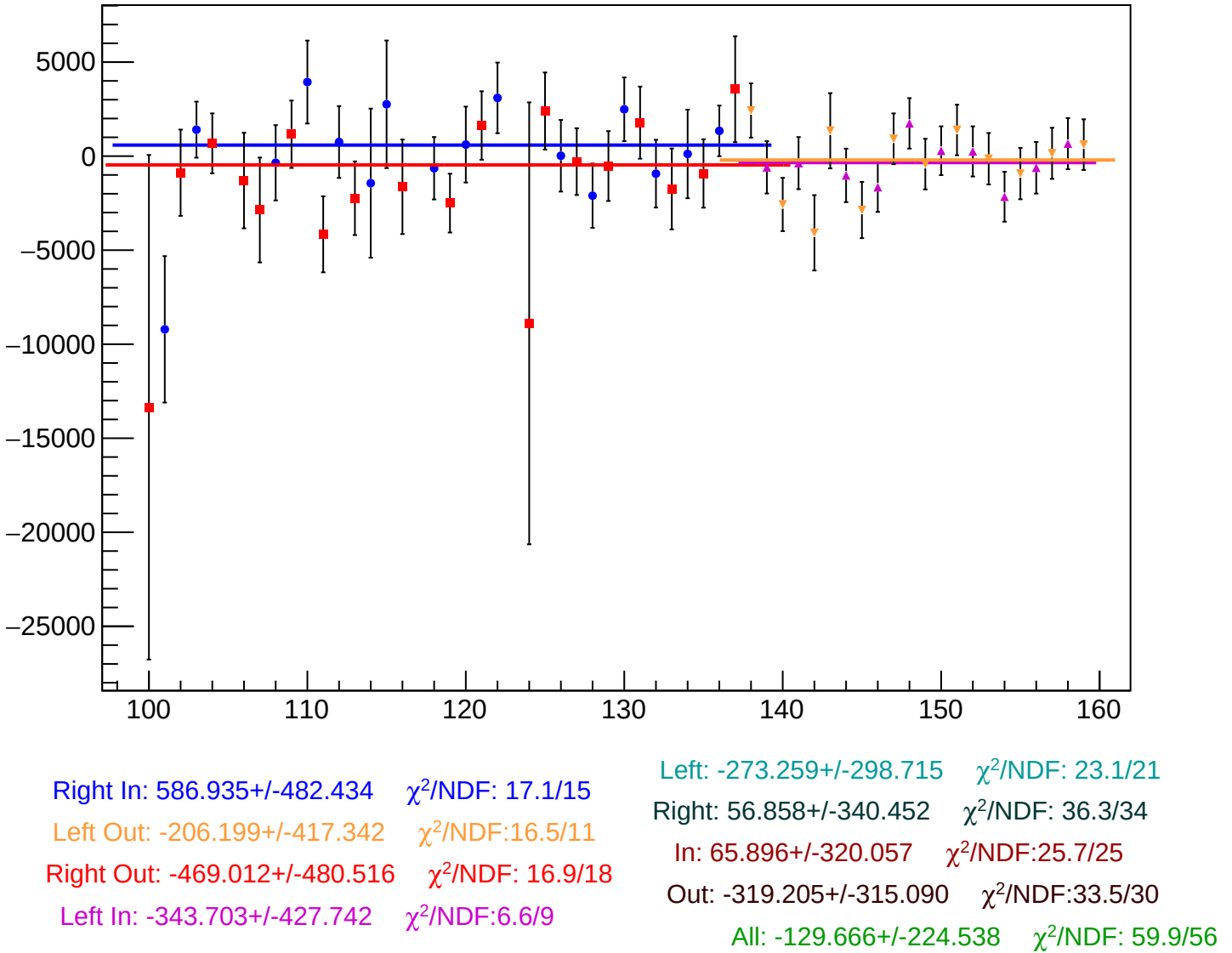
Left: 0.000+/-0.000 χ^2/NDF: 2939534.9/21

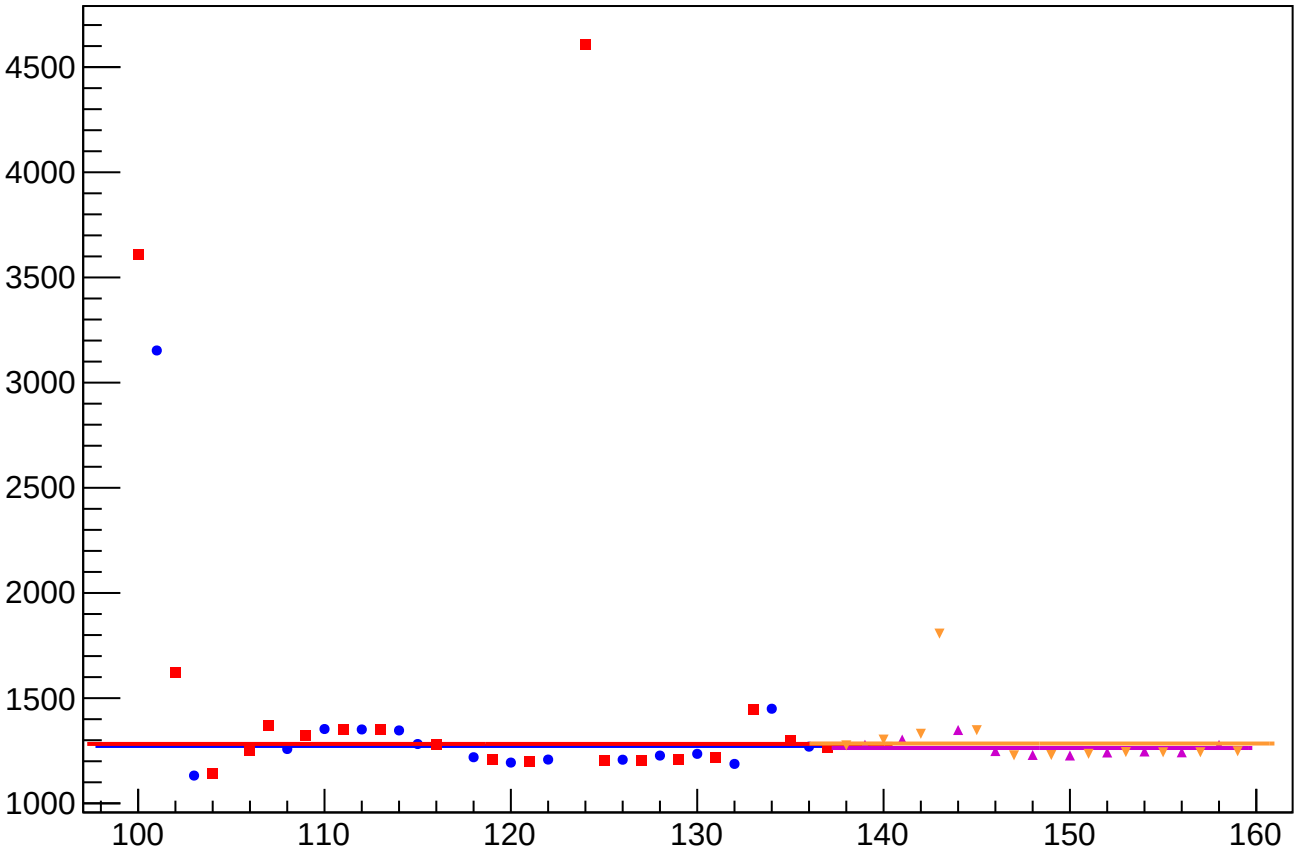
Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5745347.0/25

Out: 0.000+/-0.000 χ^2/NDF:7370340.4/30

All: 0.000+/-0.000 χ^2/NDF: 13117202.2/56


reg_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -206.199+/-417.342 χ²/NDF:16.5/11
Right Out: -469.012+/-480.516 χ²/NDF: 16.9/18
Left In: -343.703+/-427.742 χ²/NDF:6.6/9
Left: -273.259+/-298.715 χ²/NDF: 23.1/21
Right: 56.858+/-340.452 χ²/NDF: 36.3/34
In: 65.896+/-320.057 χ²/NDF:25.7/25
Out: -319.205+/-315.090 χ²/NDF:33.5/30
All: -129.666+/-224.538 χ²/NDF: 59.9/56



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

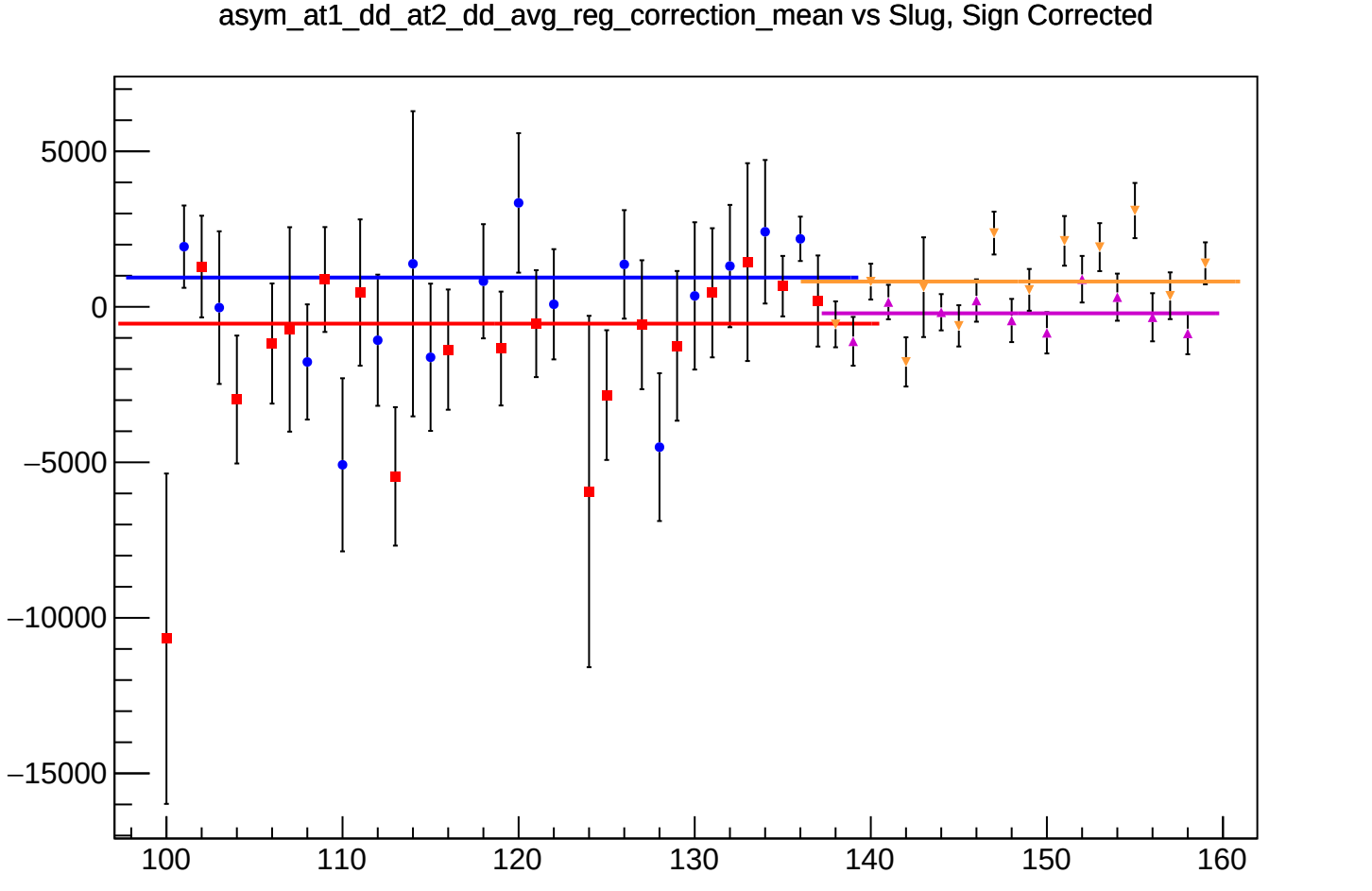
Left: 1273.899+/-0.211 χ^2/NDF: 174212.1/21

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1267.295+/-0.226 χ^2/NDF:533381.6/25

Out: 1283.473+/-0.223 χ^2/NDF:480140.7/30

All: 1275.510+/-0.159 χ^2/NDF: 1016117.0/56



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 814.105+/-213.625 χ^2/NDF:36.5/11

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -208.554+/-214.349 χ^2/NDF:6.7/9

Left: 304.504+/-151.311 χ^2/NDF: 54.6/21

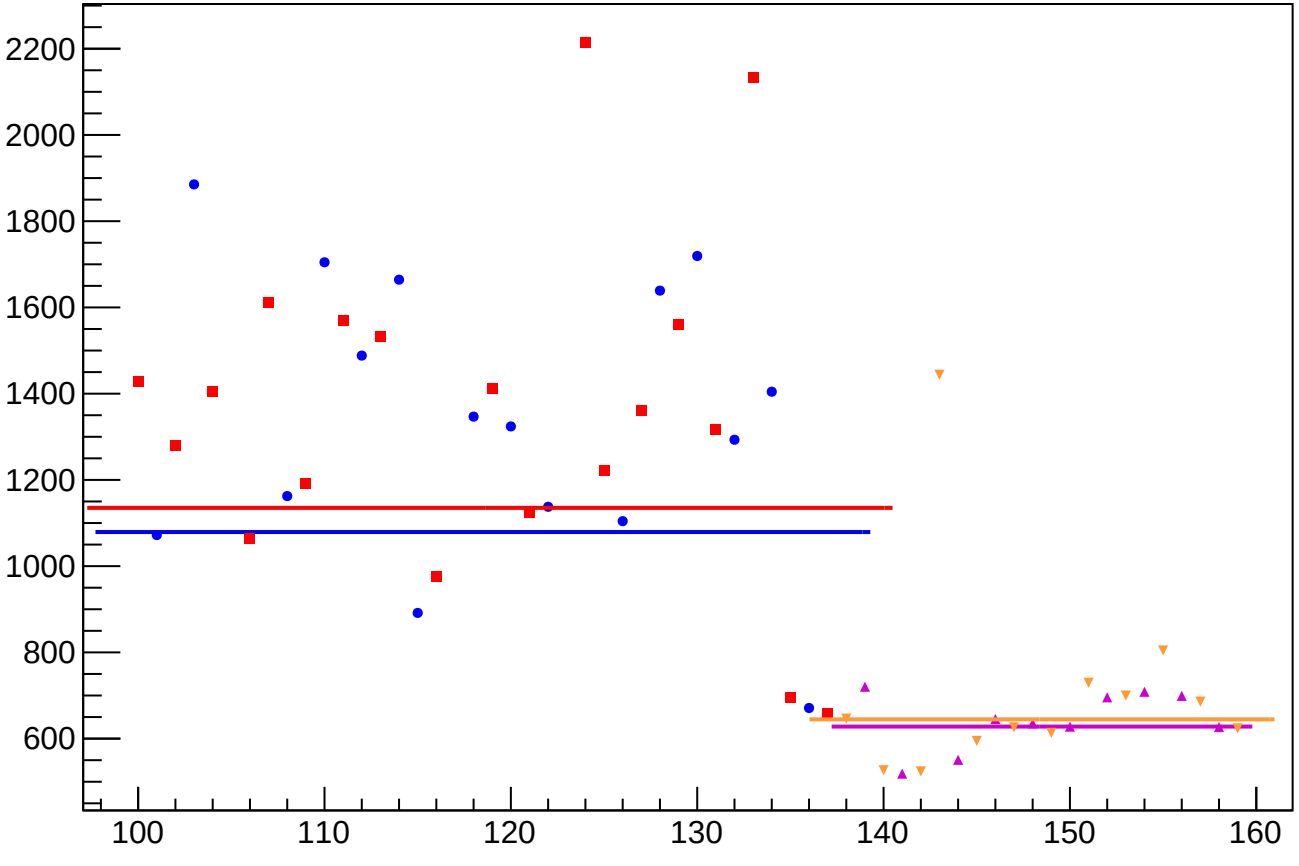
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 23.982+/-191.461 χ^2/NDF:32.4/25

Out: 555.592+/-192.165 χ^2/NDF:61.3/30

All: 288.812+/-135.632 χ^2/NDF: 97.6/56

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: 644.651+/-0.151 χ^2/NDF:749636.9/11

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

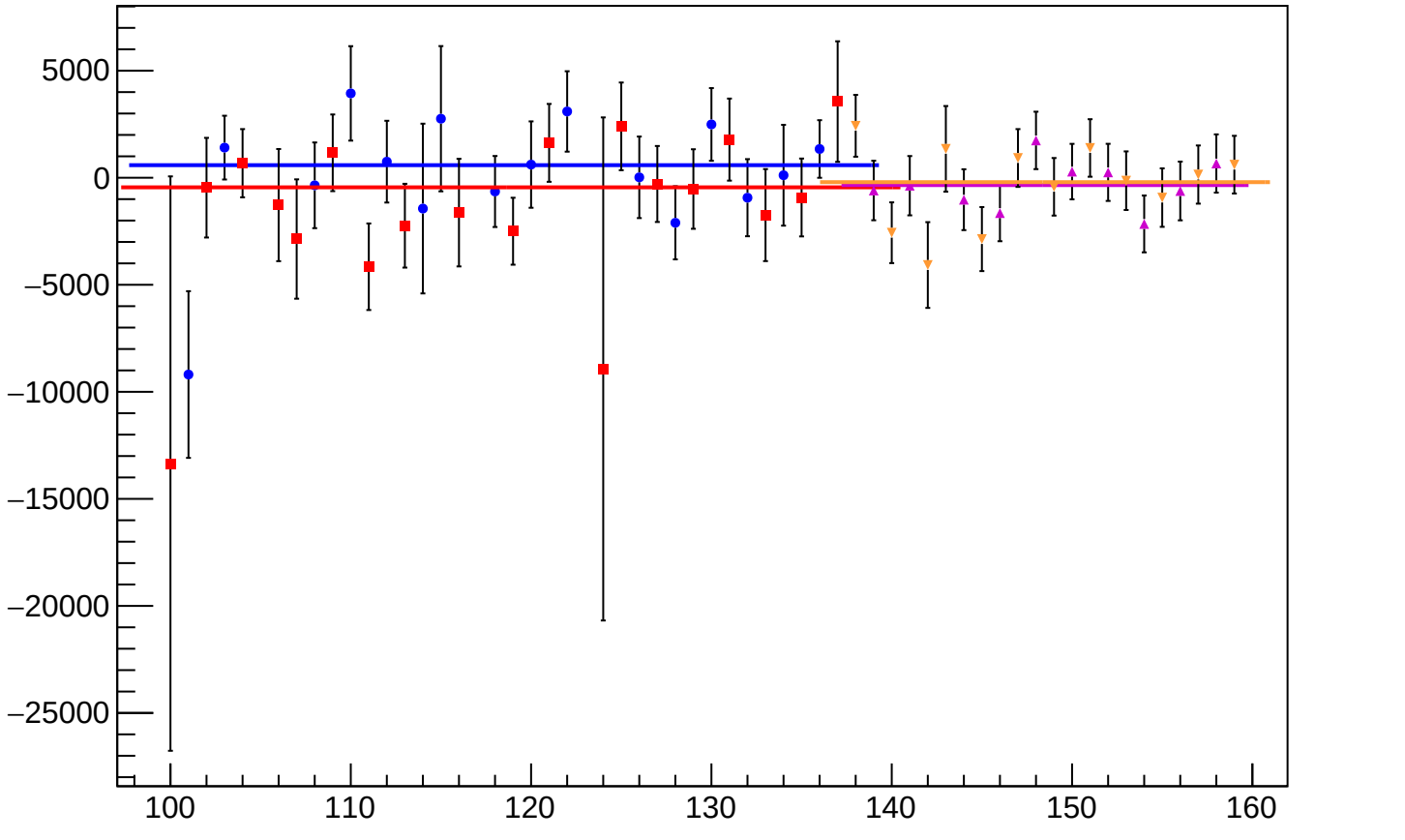
Left: 636.327+/-0.107 χ^2/NDF: 953737.8/21

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 719.151+/-0.135 χ^2/NDF:3471469.7/25

Out: 738.251+/-0.136 χ^2/NDF:4054830.7/30

All: 728.666+/-0.096 χ^2/NDF: 7536215.8/56



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

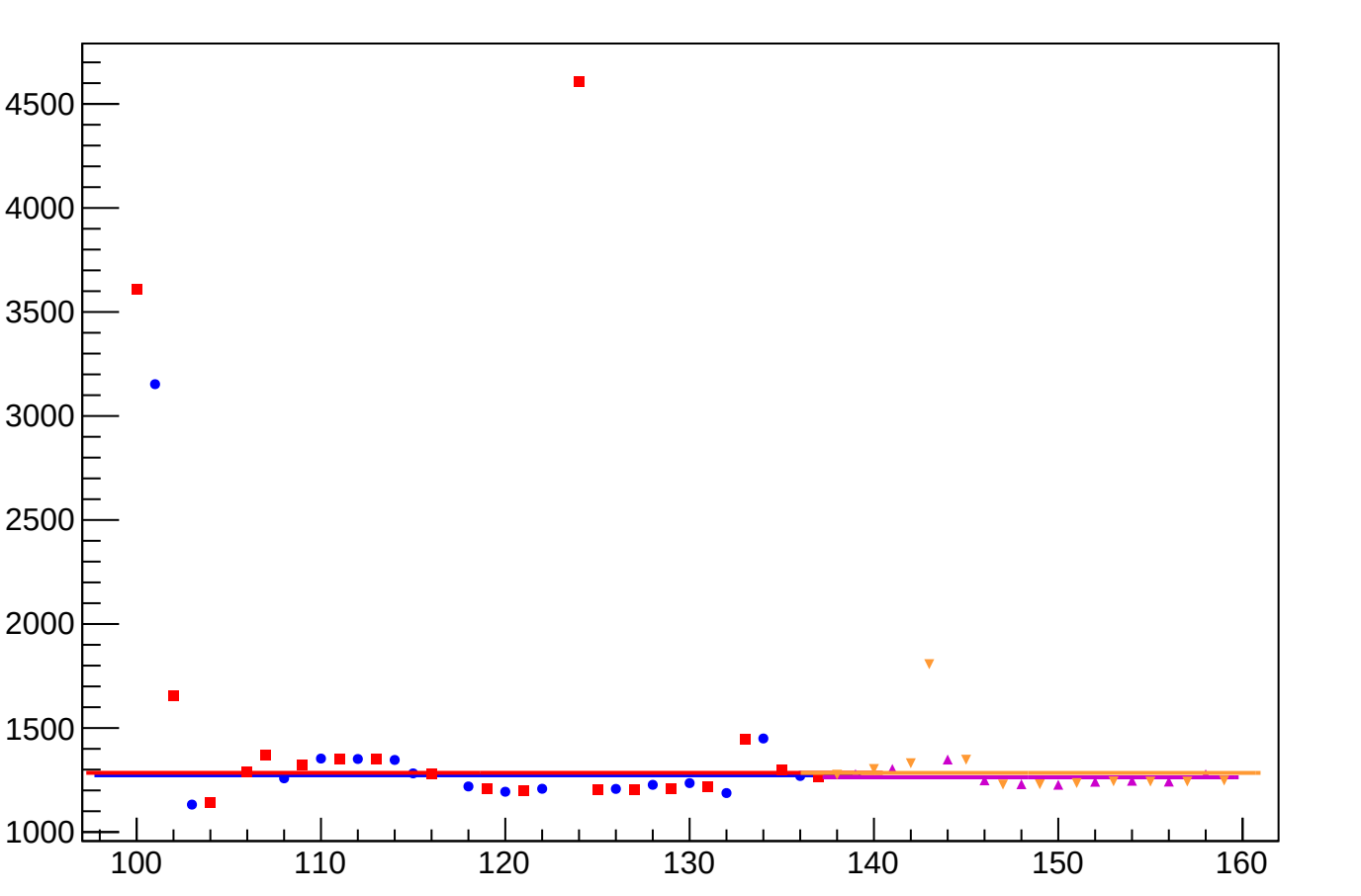
Left: -273.320+/-298.715 χ^2/NDF: 23.1/21

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -124.893+/-224.621 χ^2/NDF: 59.8/56



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

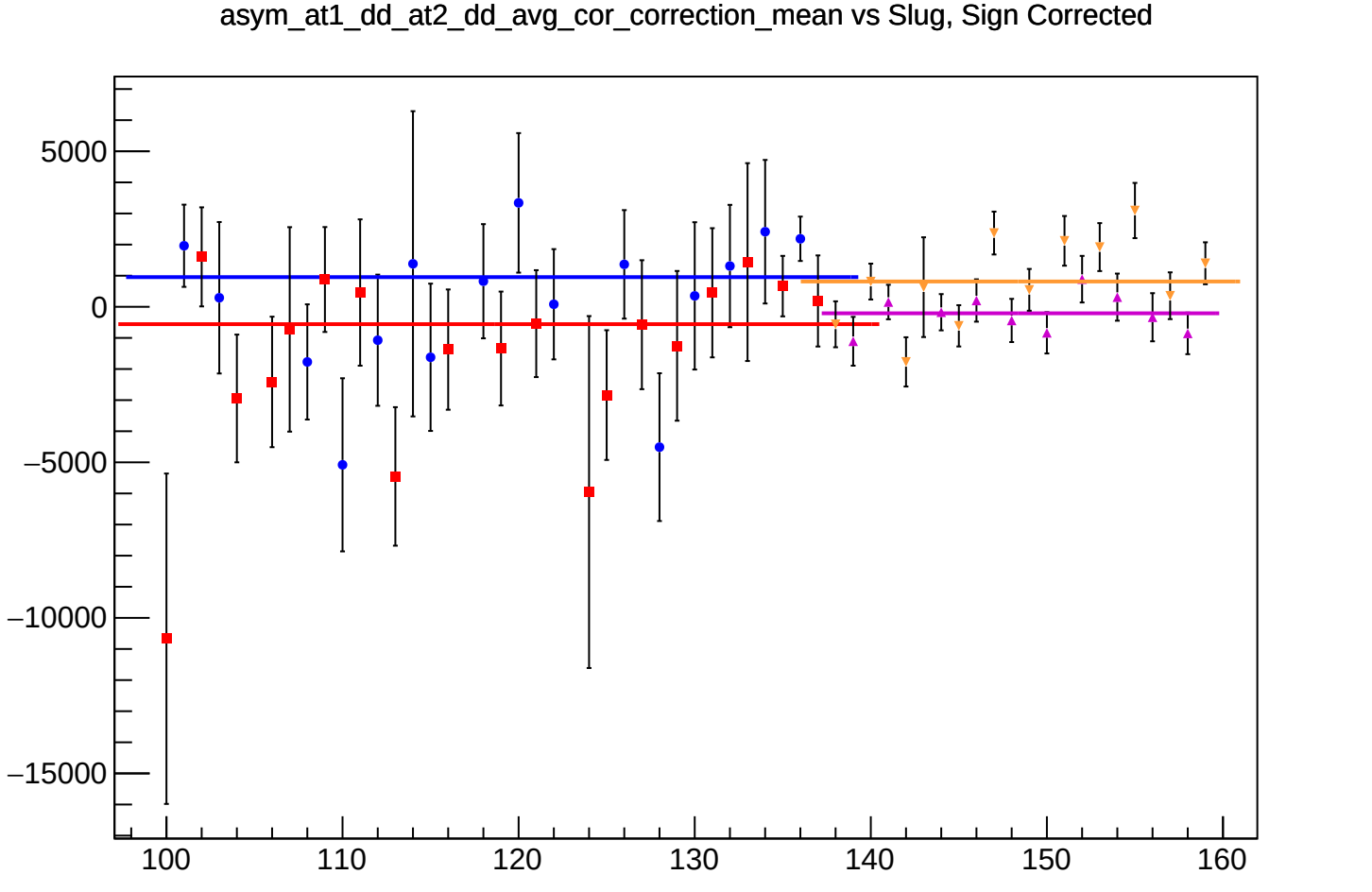
Left: 1273.899+/-0.211 χ^2/NDF: 174212.1/21

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 304.477+/-151.311 χ^2/NDF: 54.6/21

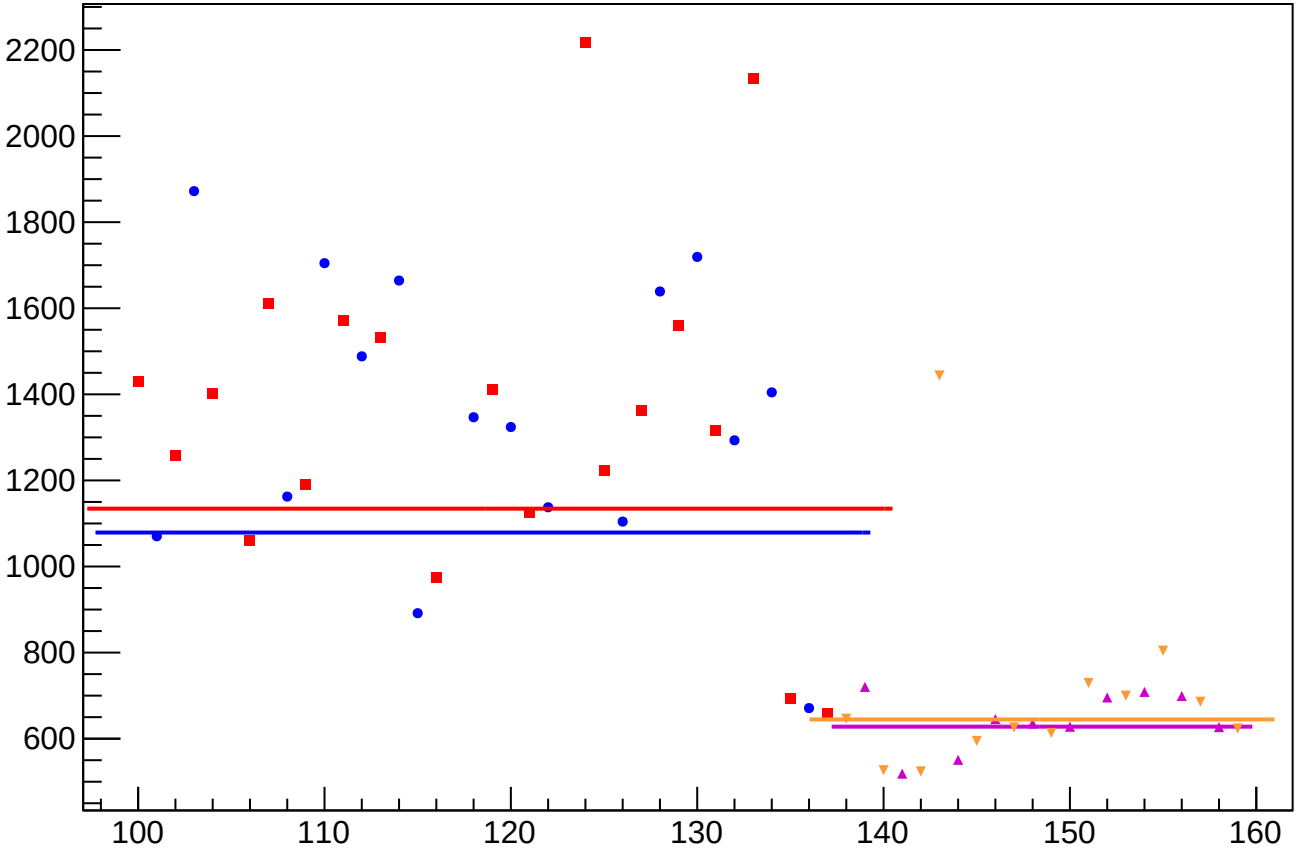
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 288.768+/-135.651 χ^2/NDF: 99.0/56

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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

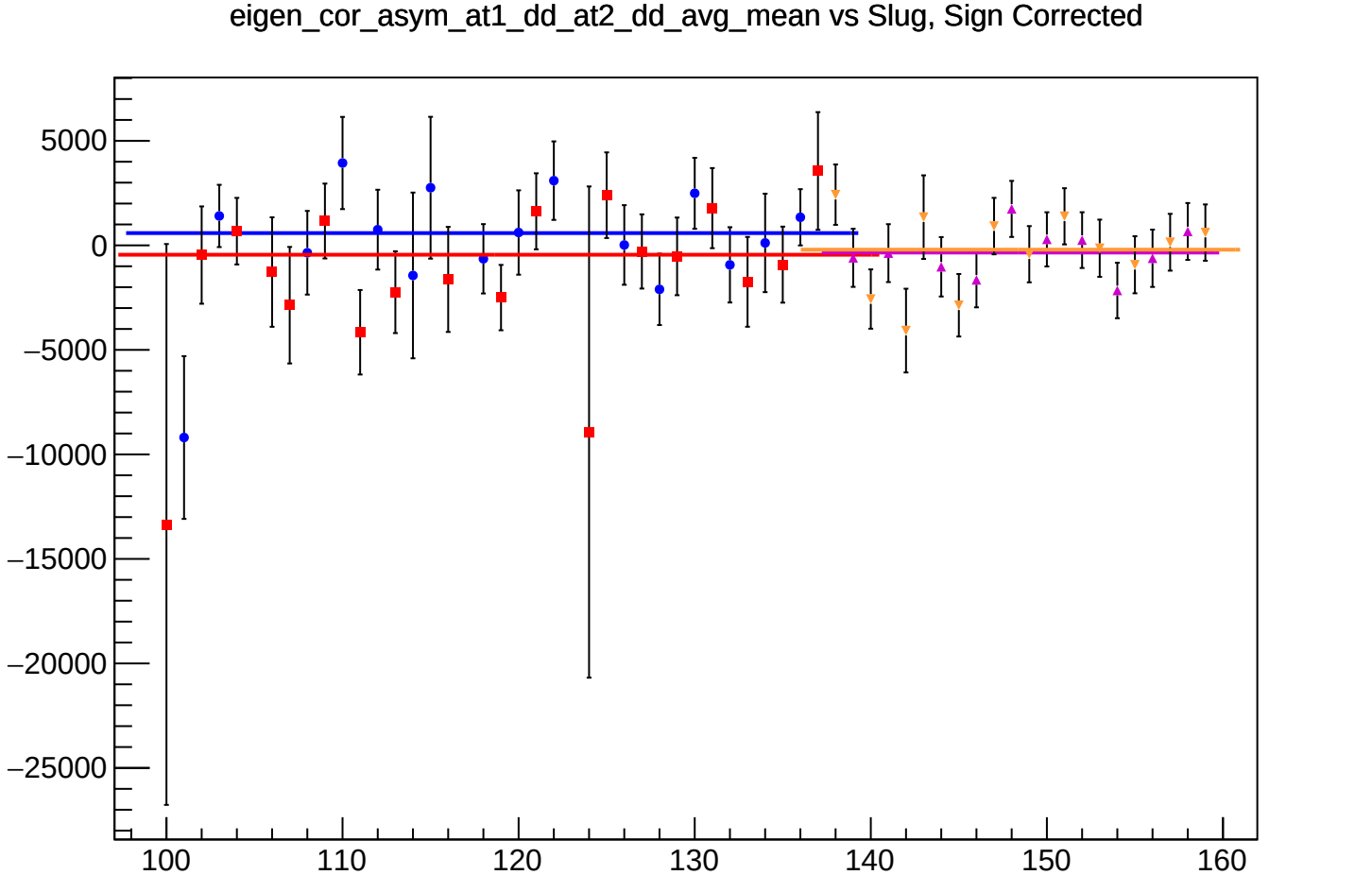
Left: 636.328+/-0.107 χ^2/NDF: 953676.3/21

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

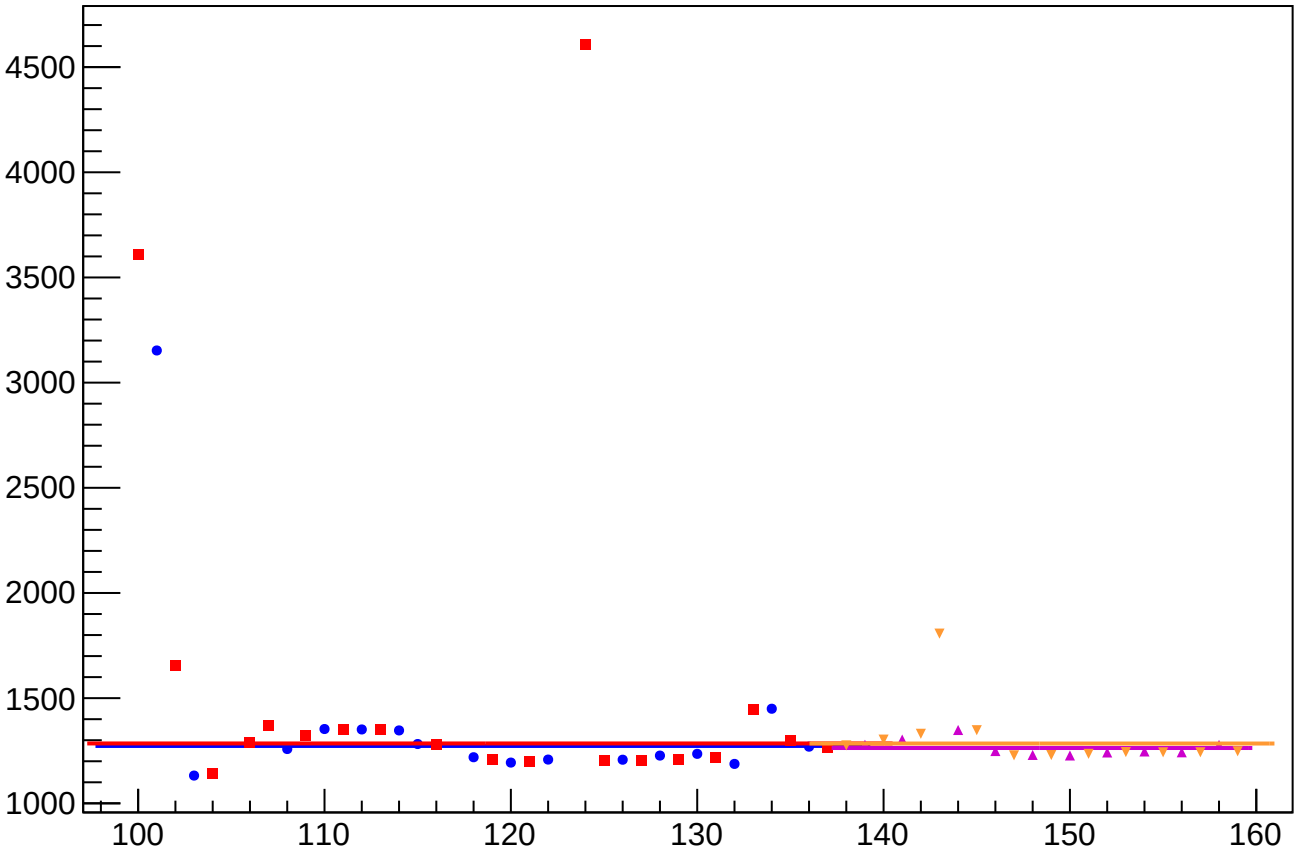
Left: -273.320+/-298.715 χ^2/NDF: 23.1/21

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -124.893+/-224.621 χ^2/NDF: 59.8/56



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

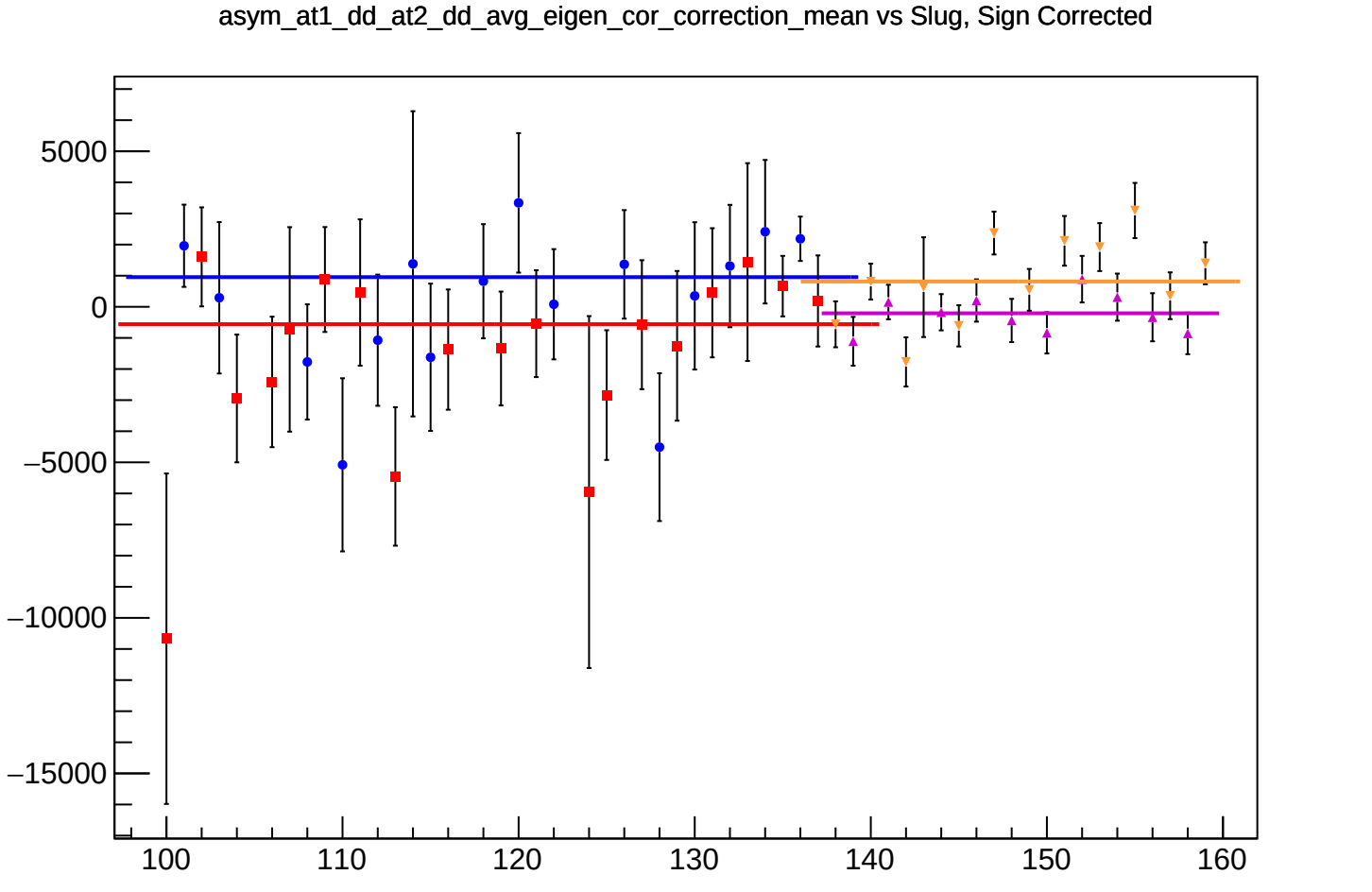
Left: 1273.899+/-0.211 χ^2/NDF: 174212.1/21

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 304.477+/-151.311 χ^2/NDF: 54.6/21

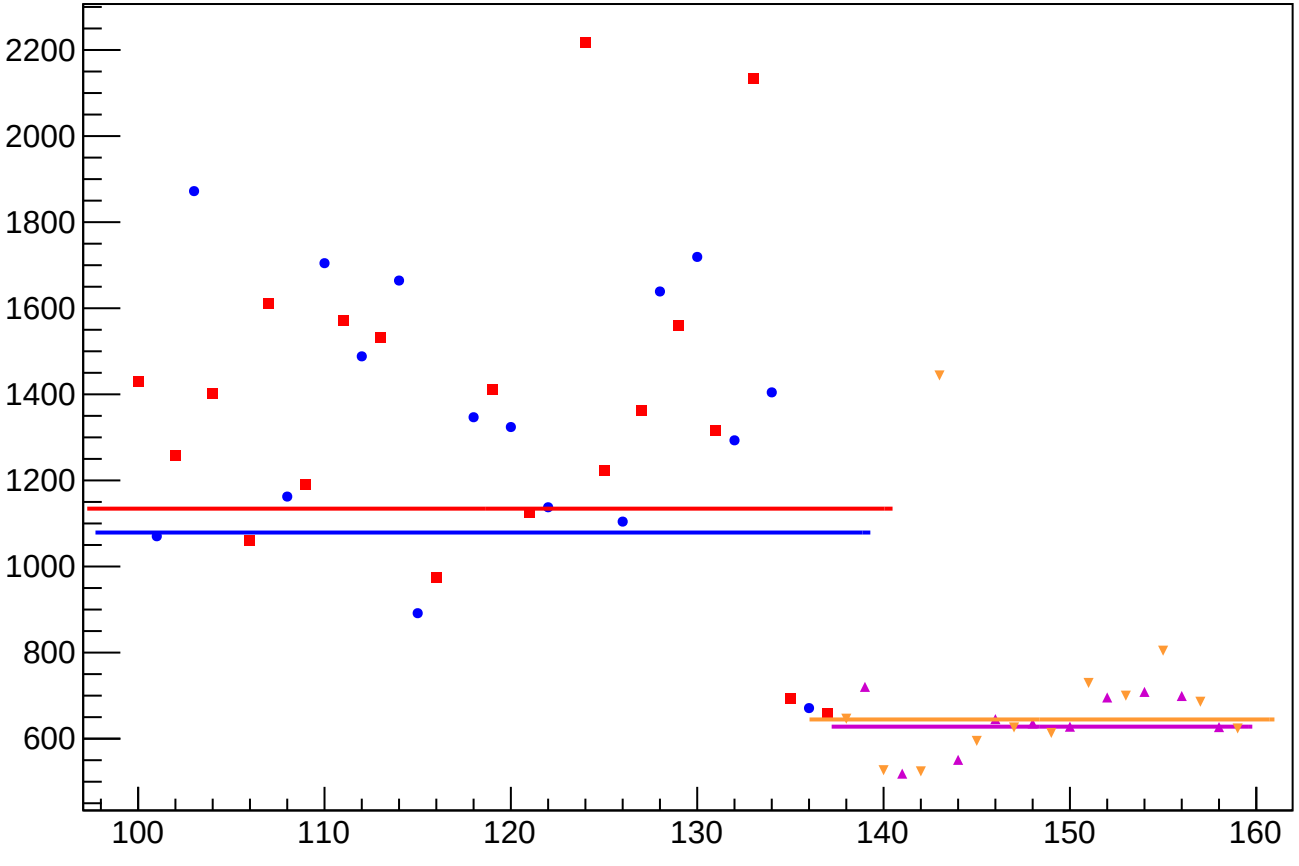
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 288.768+/-135.651 χ^2/NDF: 99.0/56

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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

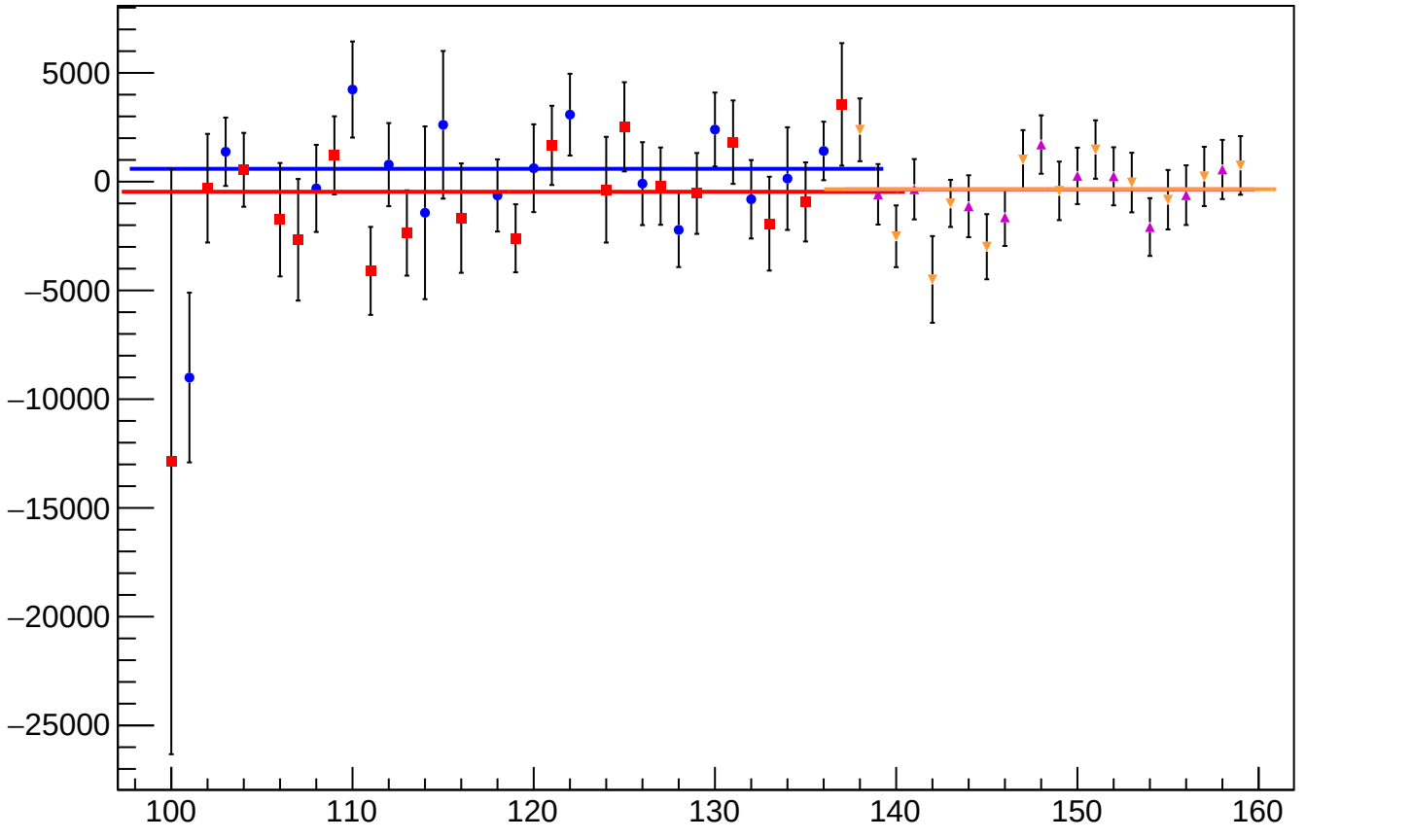
Left: 636.328+/-0.107 χ^2/NDF: 953676.3/21

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -347.269+/-397.285 χ^2/NDF:17.6/11

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -357.693+/-428.095 χ^2/NDF:6.3/9

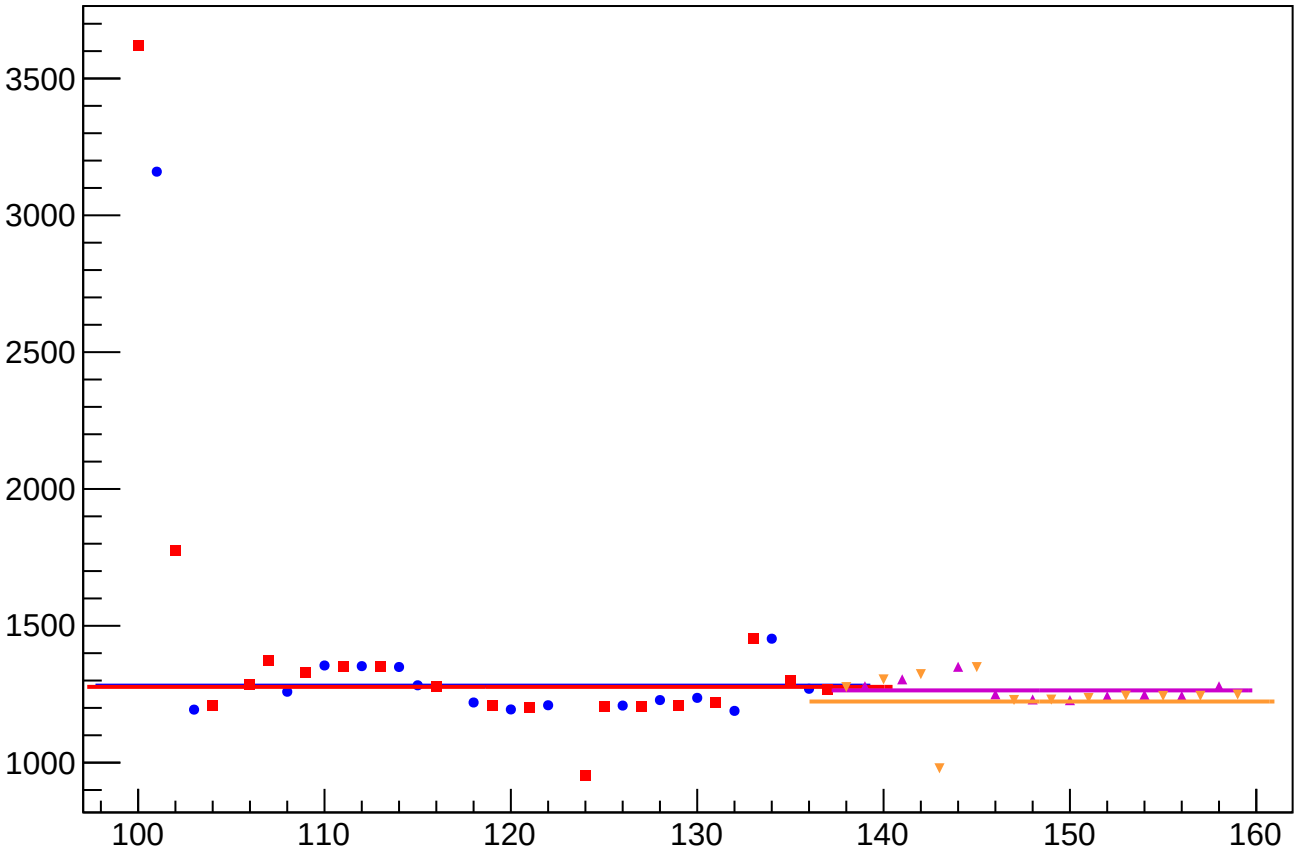
Left: -352.092+/-291.206 χ^2/NDF: 23.9/21

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 56.997+/-321.091 χ^2/NDF:25.5/25

Out: -394.532+/-305.217 χ^2/NDF:34.3/30

All: -180.204+/-221.220 χ^2/NDF: 60.9/56



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1223.370+/-0.281 χ^2/NDF:132023.3/11

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

Left: 1242.170+/-0.206 χ^2/NDF: 155449.5/21

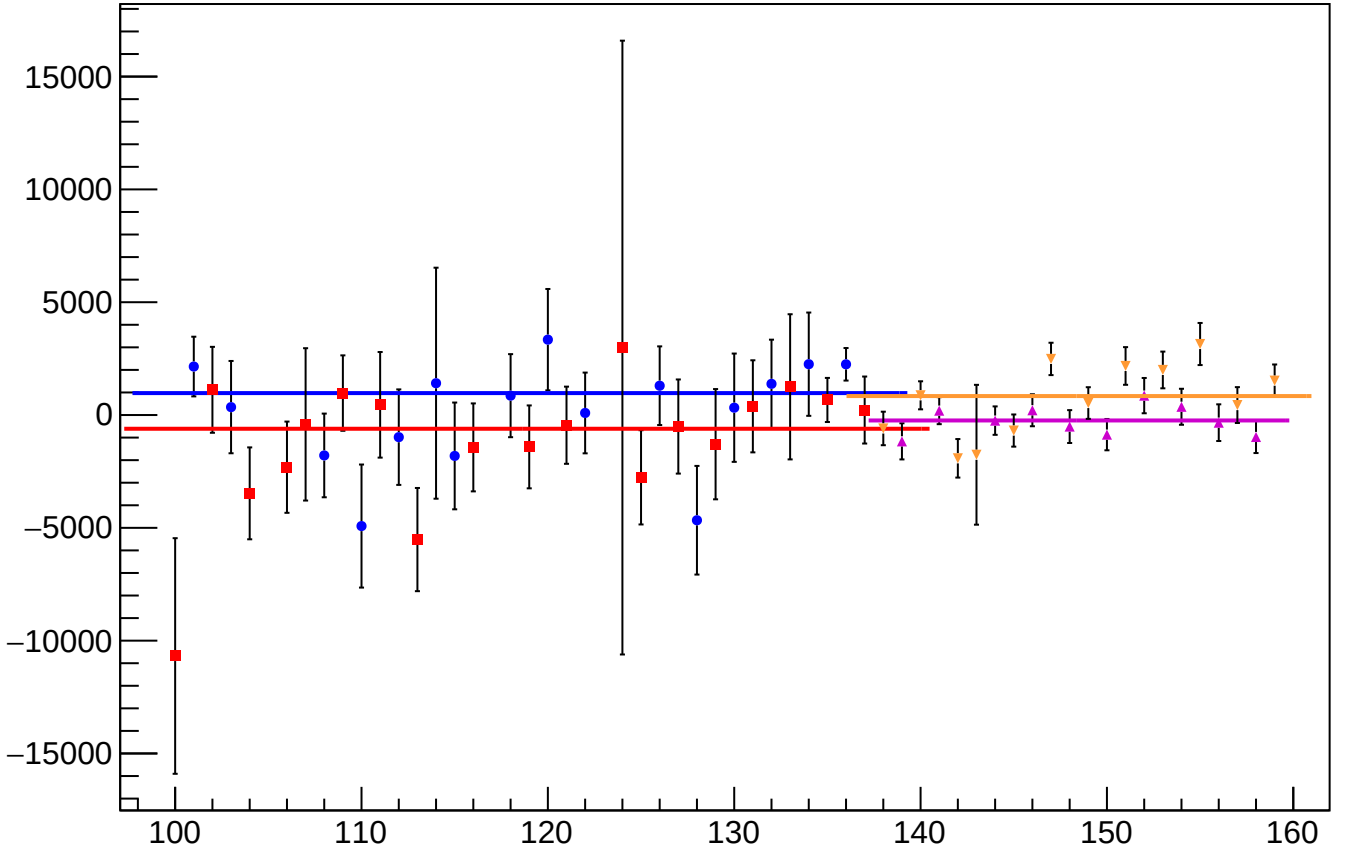
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.3/25

Out: 1245.289+/-0.216 χ^2/NDF:367393.9/30

All: 1257.777+/-0.156 χ^2/NDF: 896713.1/56

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 840.509+/-226.776 χ^2/NDF:36.8/11

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -240.791+/-226.406 χ^2/NDF:6.9/9

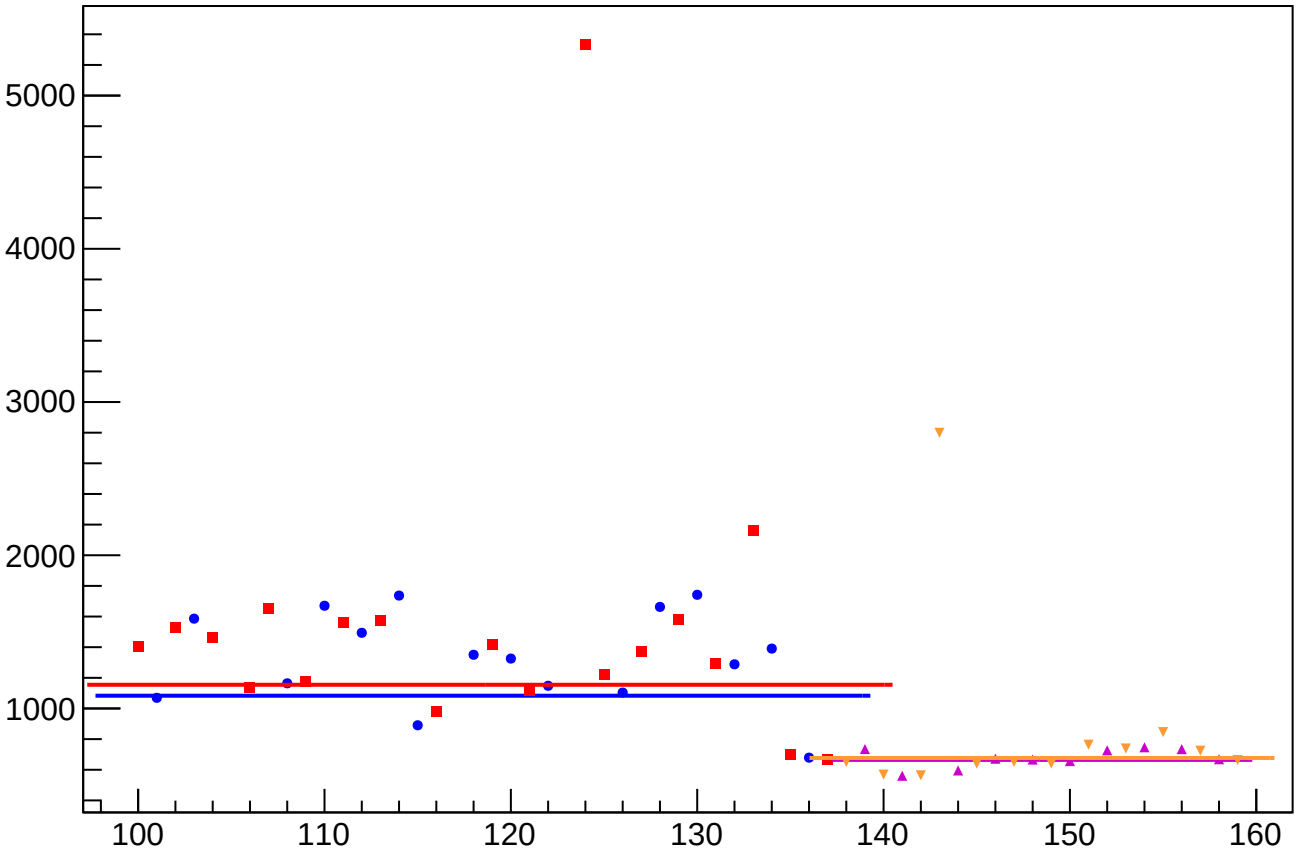
Left: 298.977+/-160.224 χ^2/NDF: 55.0/21

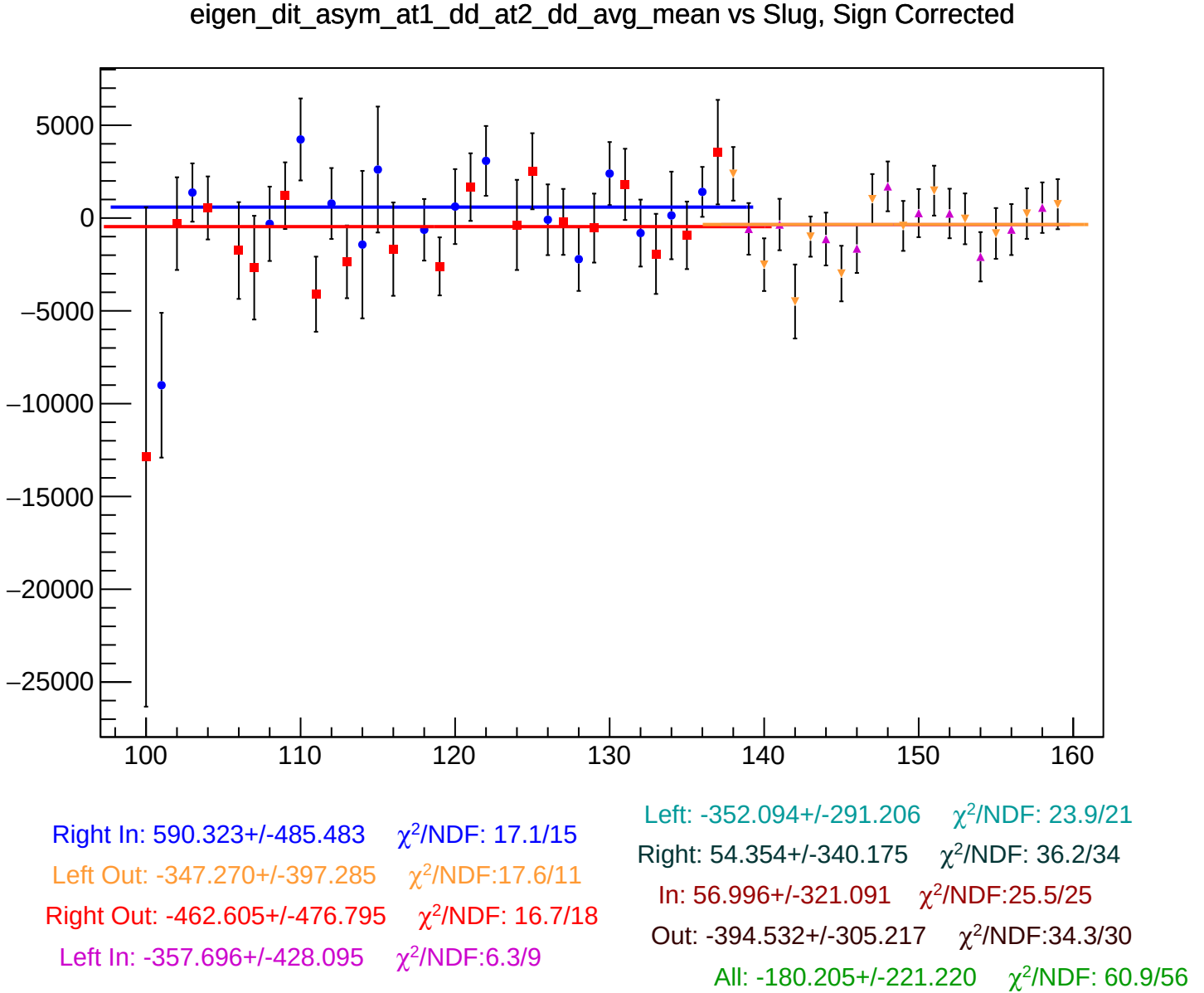
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

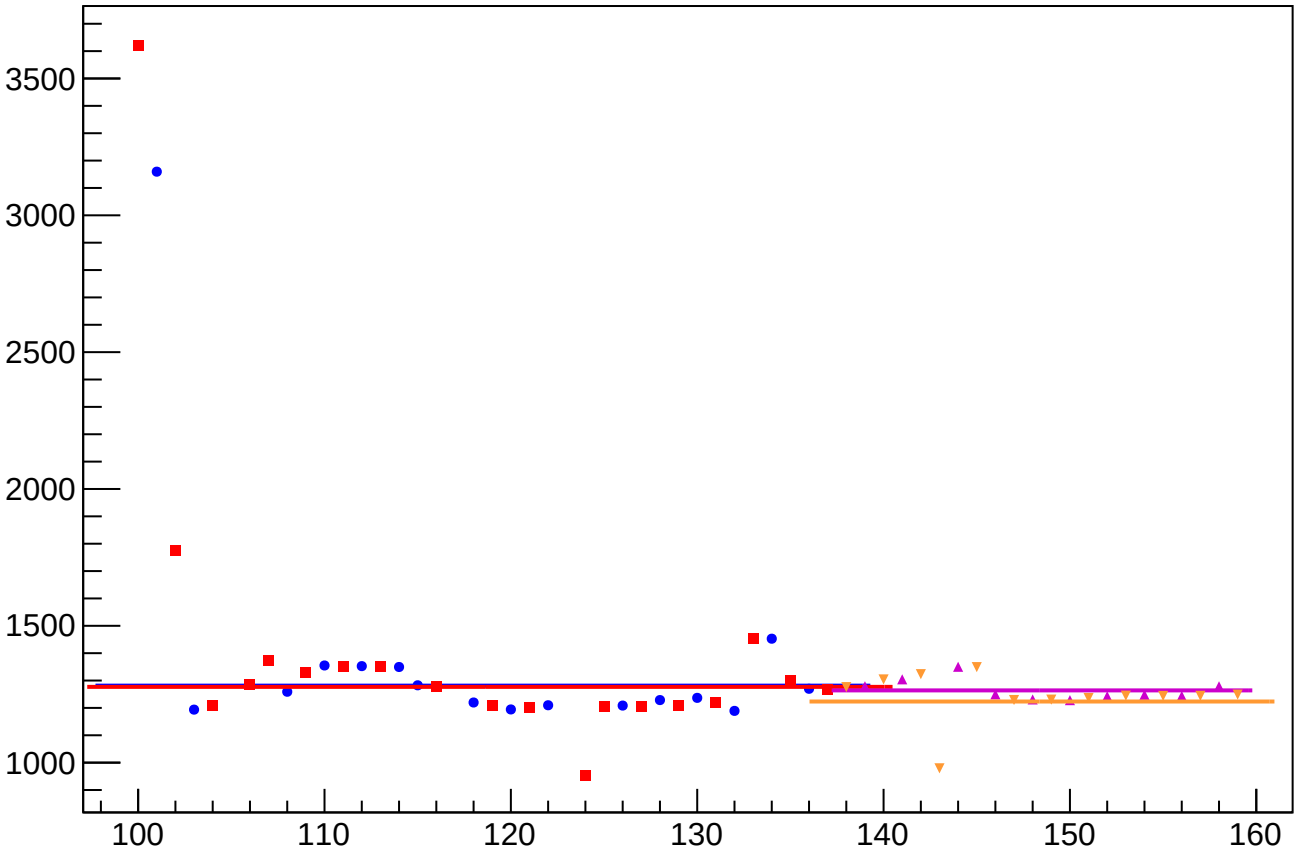
In: 27.154+/-199.844 χ^2/NDF:33.6/25

Out: 544.688+/-202.306 χ^2/NDF:62.3/30

All: 282.752+/-142.173 χ^2/NDF: 99.2/56


asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1083.335+/-0.301 χ²/NDF: 1360153.3/15
Left Out: 677.014+/-0.160 χ²/NDF:1156302.0/11
Right Out: 1154.724+/-0.317 χ²/NDF: 1488304.5/18
Left In: 664.408+/-0.160 χ²/NDF:148962.3/9
Left: 670.701+/-0.113 χ²/NDF: 1308359.4/21
Right: 1117.189+/-0.218 χ²/NDF: 2875191.7/34
In: 756.940+/-0.141 χ²/NDF:3021581.8/25
Out: 774.545+/-0.143 χ²/NDF:4456541.6/30
All: 765.635+/-0.101 χ²/NDF: 7485788.6/56


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -347.270+/-397.285 χ²/NDF:17.6/11
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -357.696+/-428.095 χ²/NDF:6.3/9
Left: -352.094+/-291.206 χ²/NDF: 23.9/21
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 56.996+/-321.091 χ²/NDF:25.5/25
Out: -394.532+/-305.217 χ²/NDF:34.3/30
All: -180.205+/-221.220 χ²/NDF: 60.9/56



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1223.370+/-0.281 χ^2/NDF:132022.6/11

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

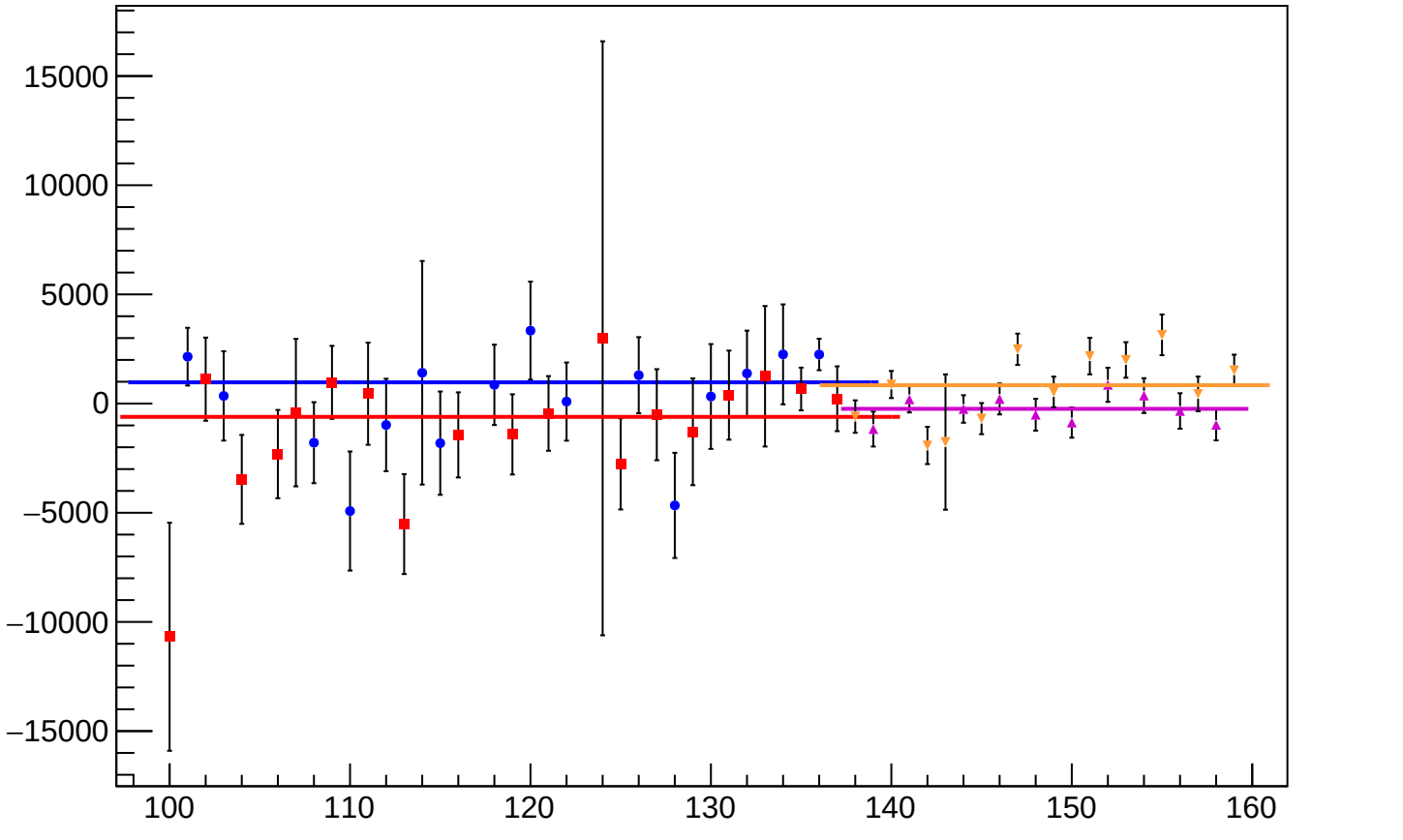
Left: 1242.170+/-0.206 χ^2/NDF: 155448.8/21

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.5/25

Out: 1245.289+/-0.216 χ^2/NDF:367392.9/30

All: 1257.777+/-0.156 χ^2/NDF: 896712.2/56



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 840.512+/-226.776 χ^2/NDF:36.8/11

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -240.790+/-226.406 χ^2/NDF:6.9/9

Left: 298.977+/-160.224 χ^2/NDF: 55.0/21

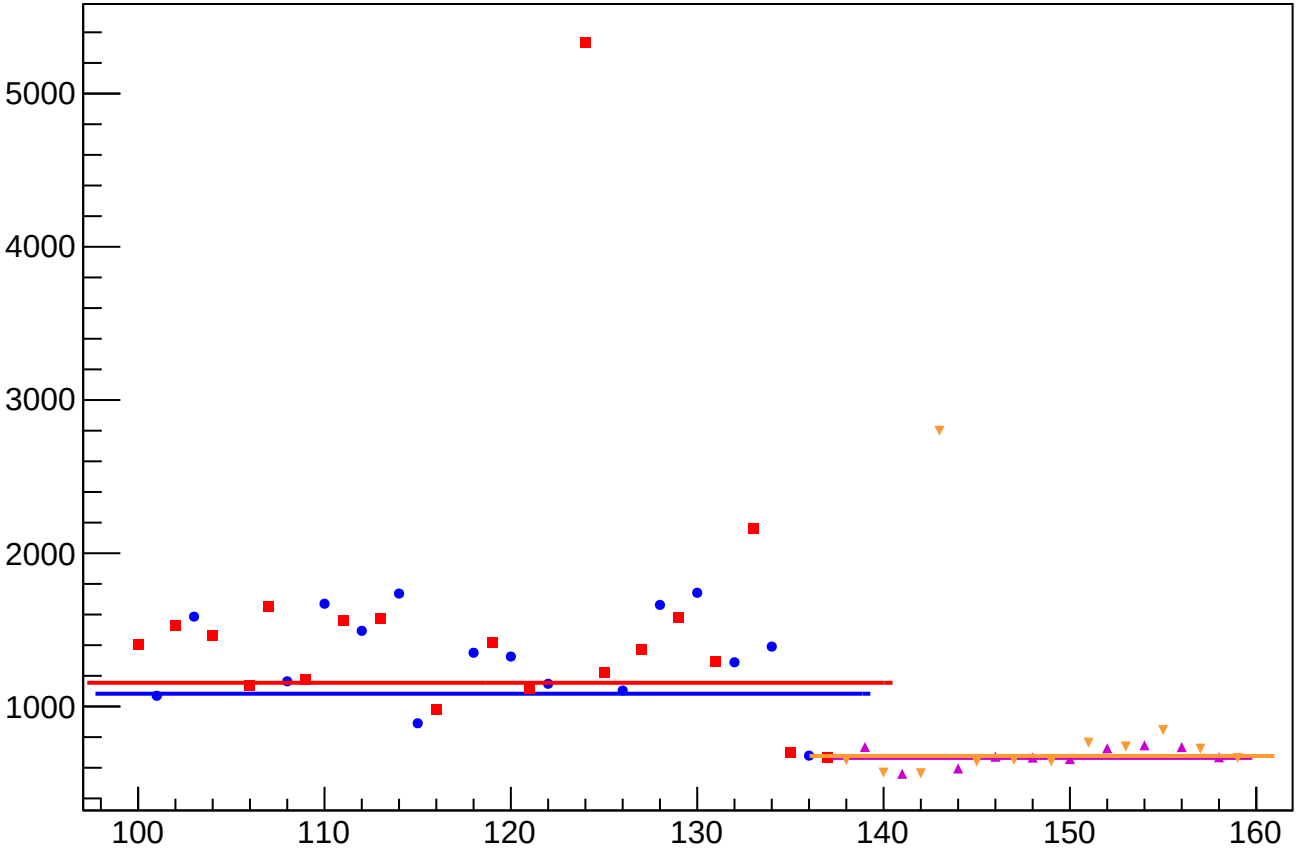
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 27.151+/-199.844 χ^2/NDF:33.6/25

Out: 544.690+/-202.307 χ^2/NDF:62.3/30

All: 282.751+/-142.174 χ^2/NDF: 99.2/56

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 677.016+/-0.160 χ^2/NDF:1156293.5/11

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

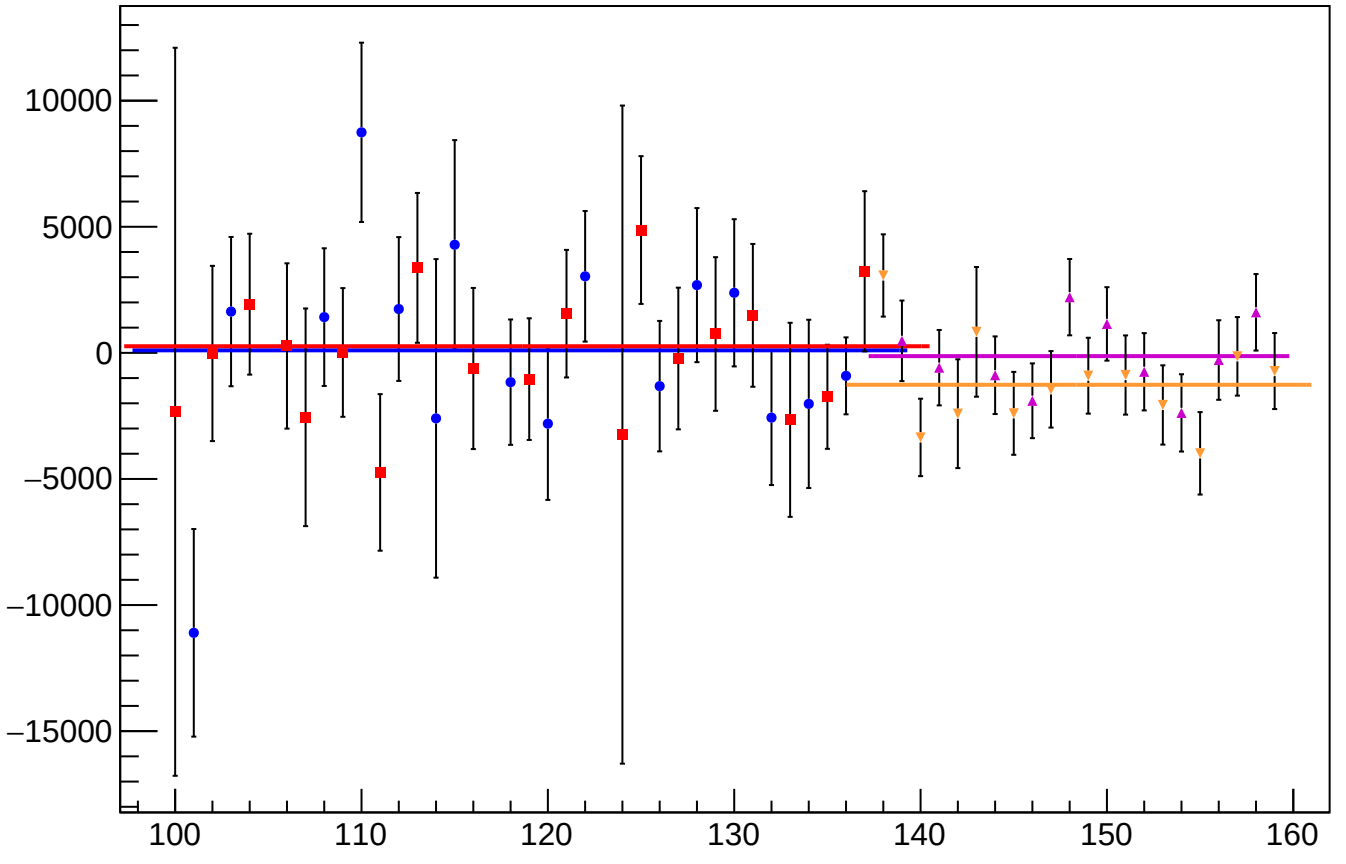
Left: 670.702+/-0.113 χ^2/NDF: 1308353.9/21

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 756.941+/-0.141 χ^2/NDF:3021562.9/25

Out: 774.548+/-0.143 χ^2/NDF:4456507.5/30

All: 765.637+/-0.101 χ^2/NDF: 7485737.0/56



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1266.381+/-474.074 χ^2/NDF:14.1/11

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -129.264+/-481.560 χ^2/NDF:8.7/9

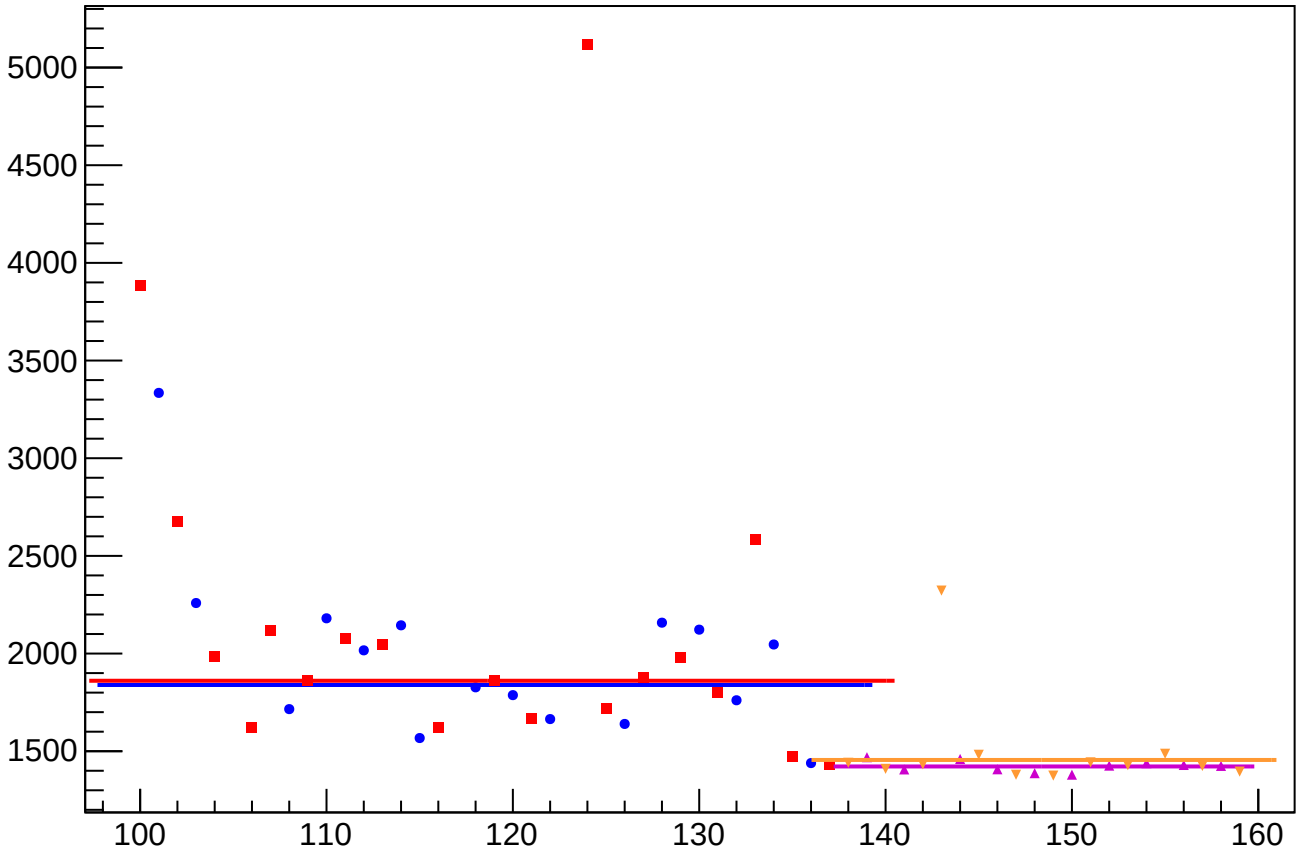
Left: -706.730+/-337.836 χ^2/NDF: 25.7/21

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -55.326+/-396.558 χ^2/NDF:30.1/25

Out: -785.305+/-392.477 χ^2/NDF:27.7/30

All: -424.091+/-278.955 χ^2/NDF: 59.5/56



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1455.282+/-0.335 χ^2/NDF:246013.1/11

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

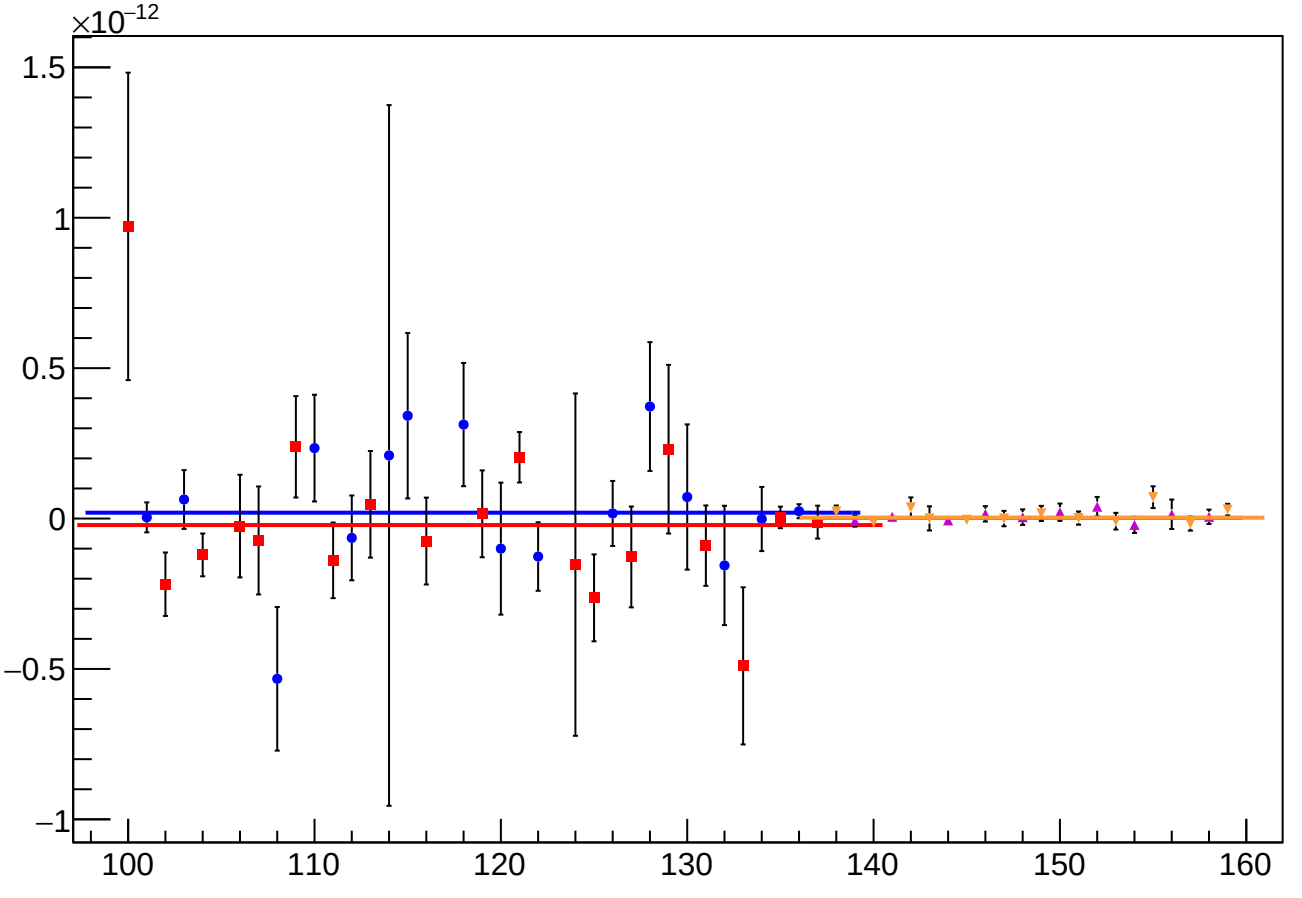
Left: 1438.912+/-0.239 χ^2/NDF: 257264.2/21

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1556.270+/-0.280 χ^2/NDF:1046052.7/25

Out: 1582.850+/-0.278 χ^2/NDF:1228427.5/30

All: 1569.698+/-0.197 χ^2/NDF: 2279019.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/9

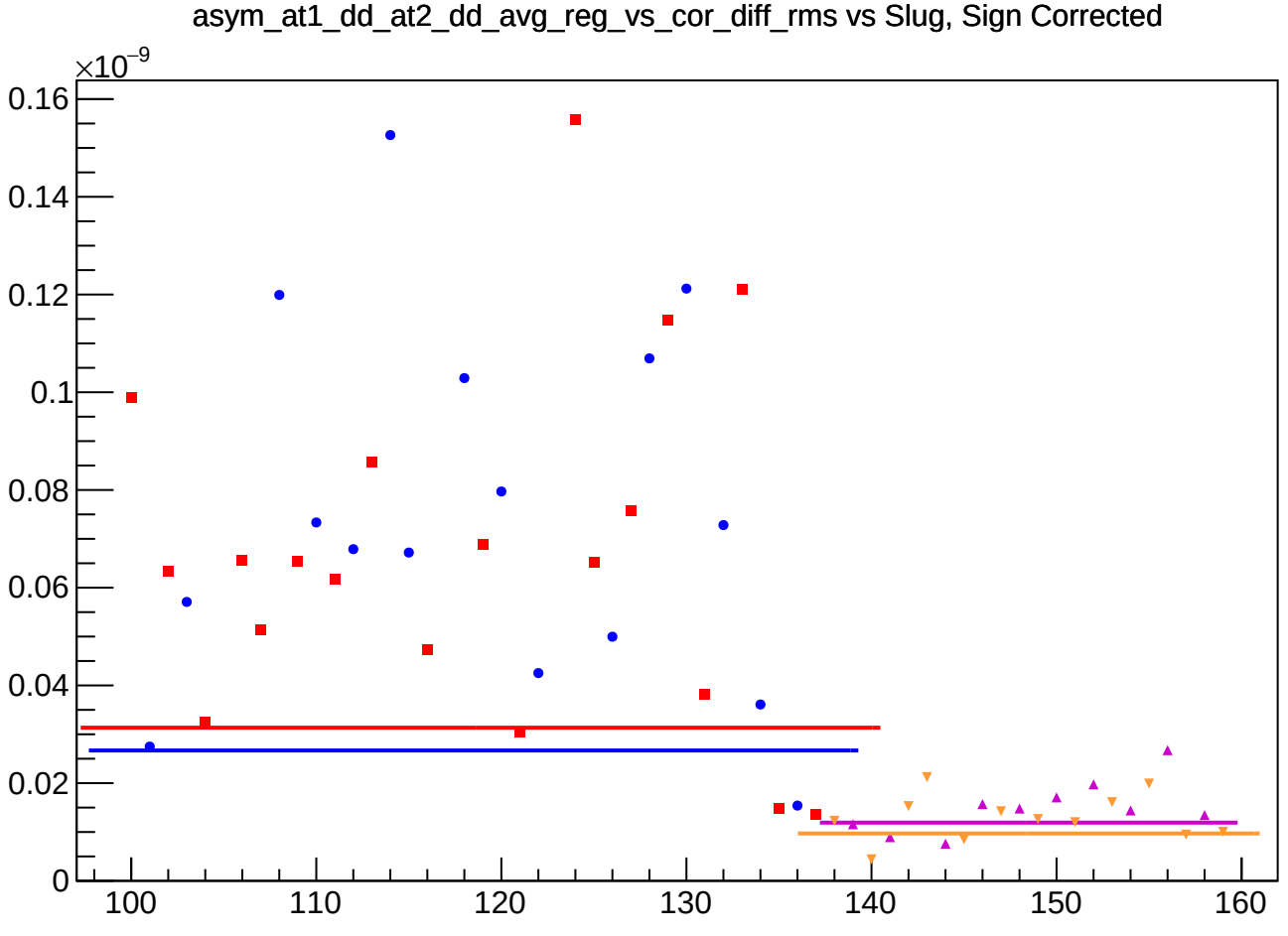
Left: 0.000+/-0.000 χ^2/NDF: 14.7/21

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/25

Out: 0.000+/-0.000 χ^2/NDF:40.4/30

All: 0.000+/-0.000 χ^2/NDF: 61.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136859.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1994073.8/21

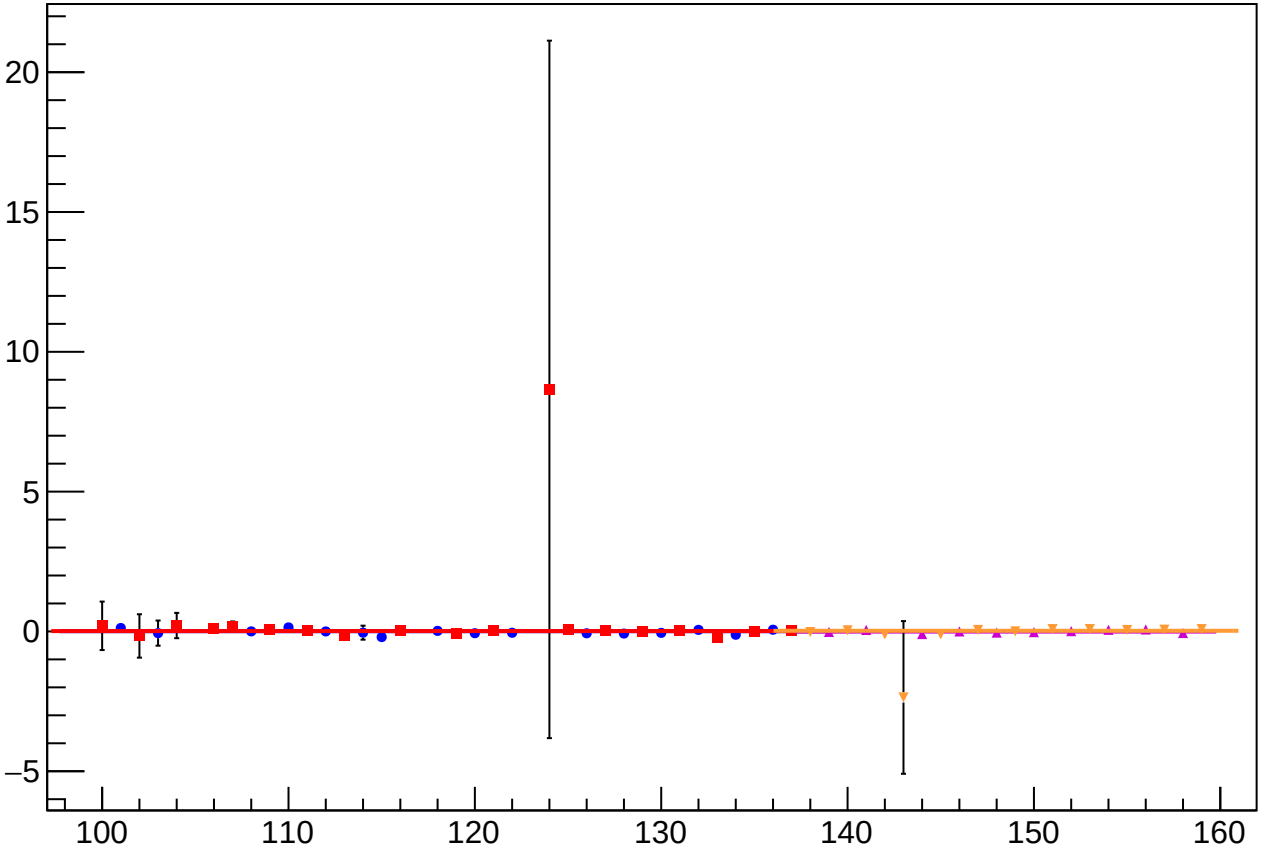
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4405200.7/25

Out: 0.000+/-0.000 χ^2/NDF:5175024.1/30

All: 0.000+/-0.000 χ^2/NDF: 9756084.0/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

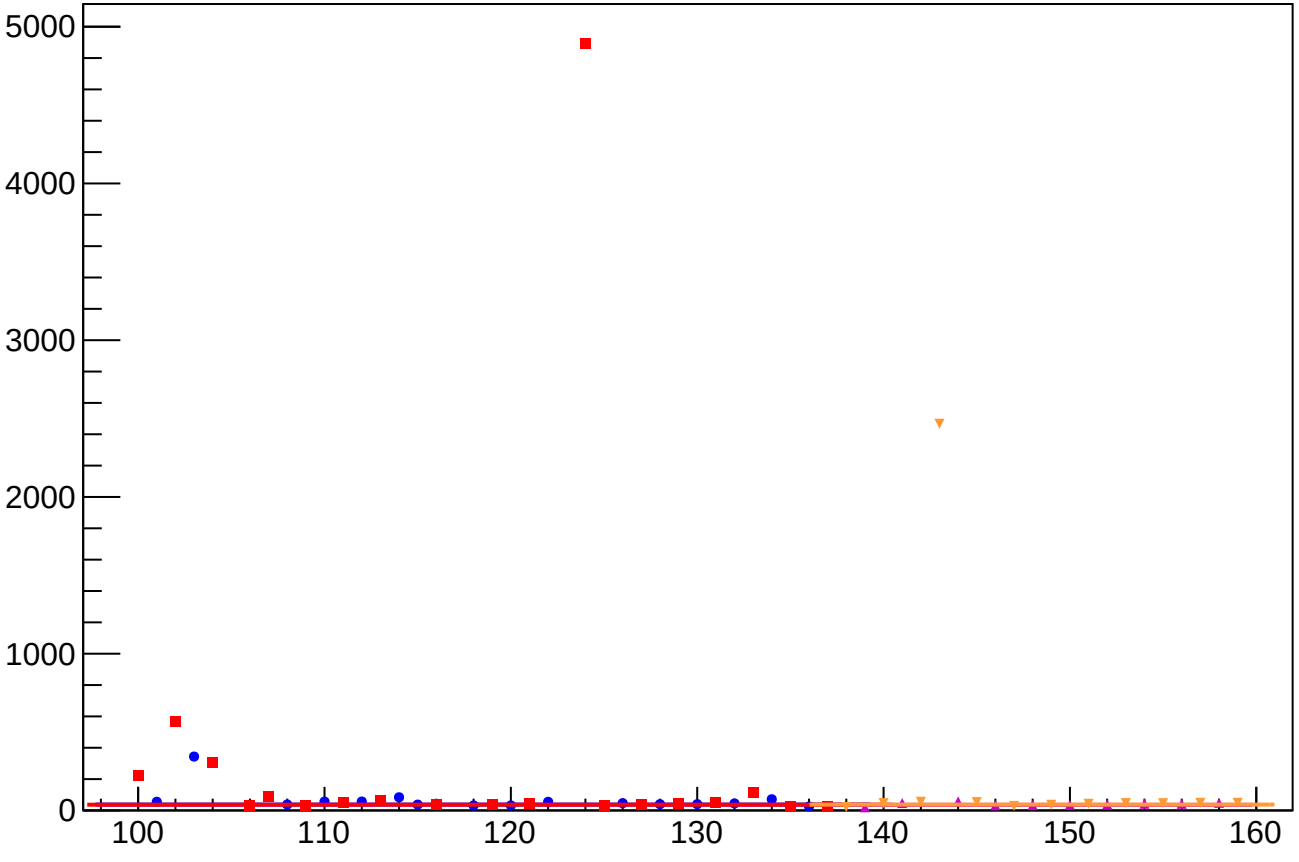
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

Left: 36.407+/-0.007 χ^2/NDF: 4081338.1/21

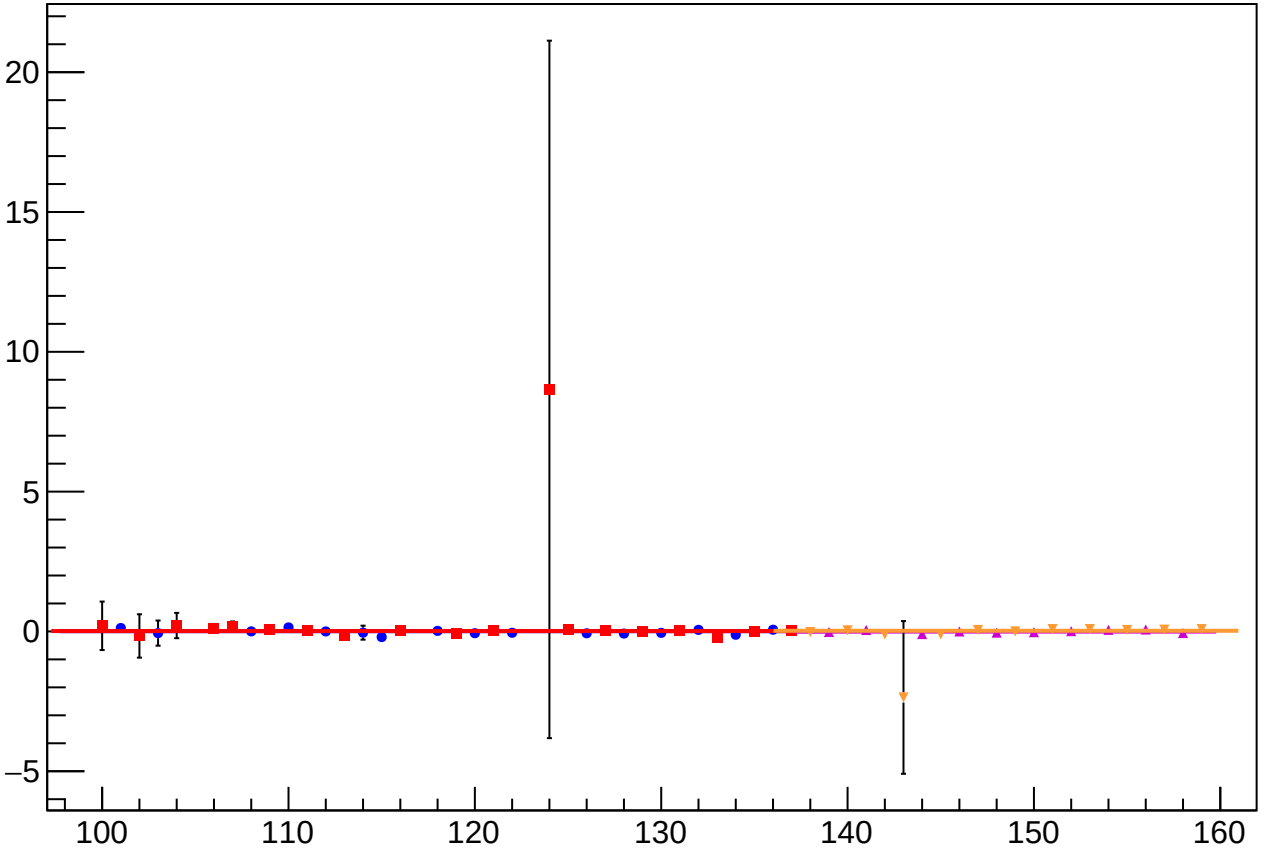
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

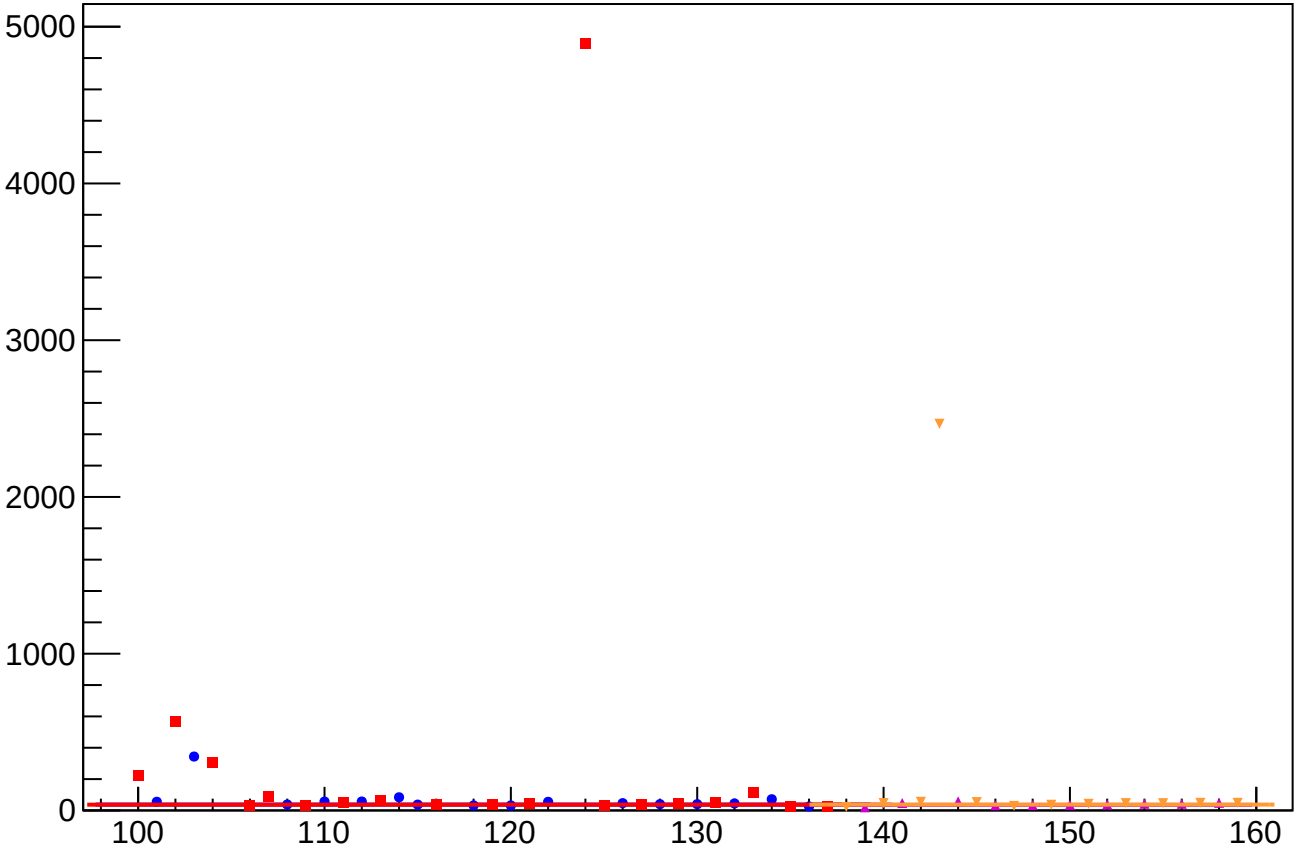
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

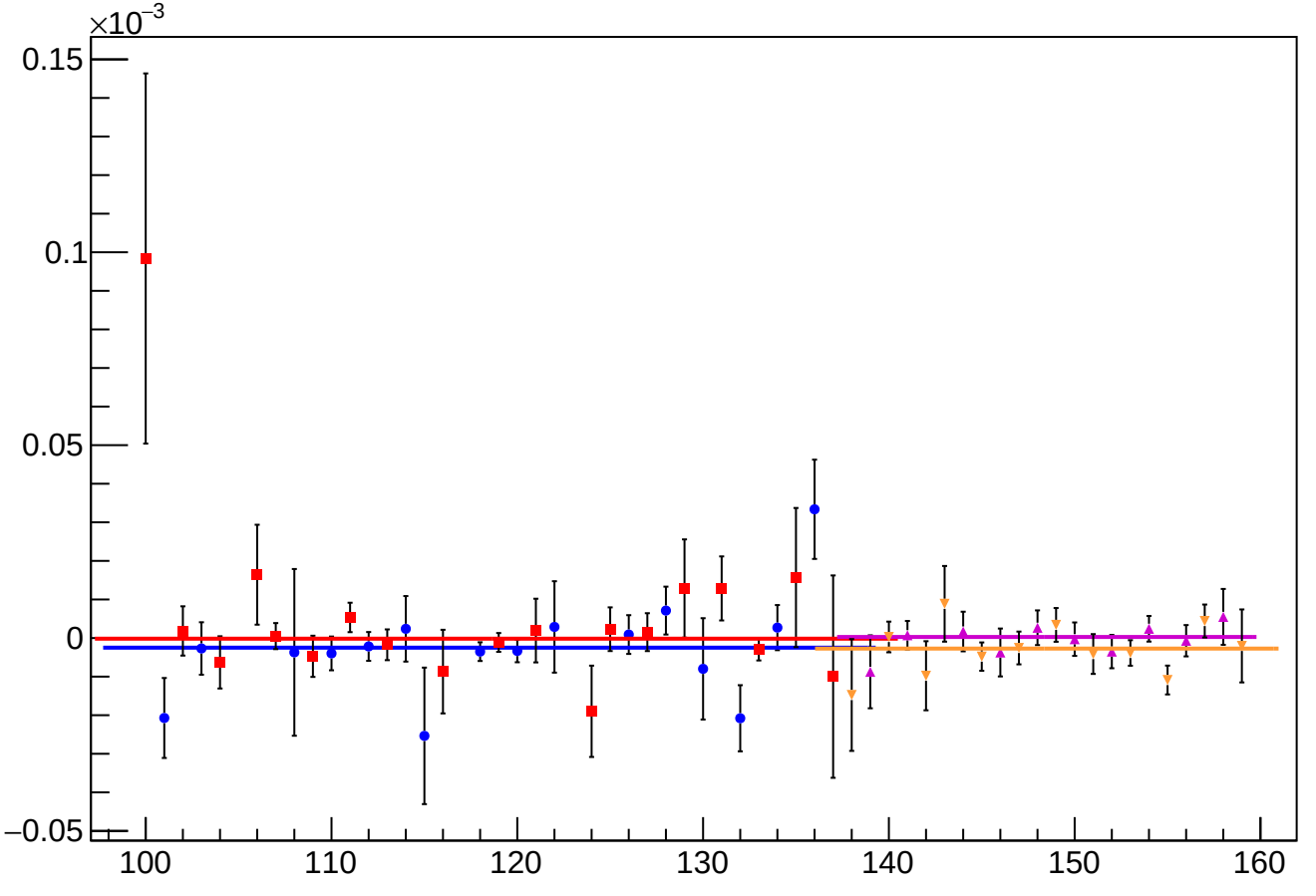
Left: 36.407+/-0.007 χ^2/NDF: 4081338.1/21

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

Left: -0.000+/-0.000 χ^2/NDF: 19.1/21

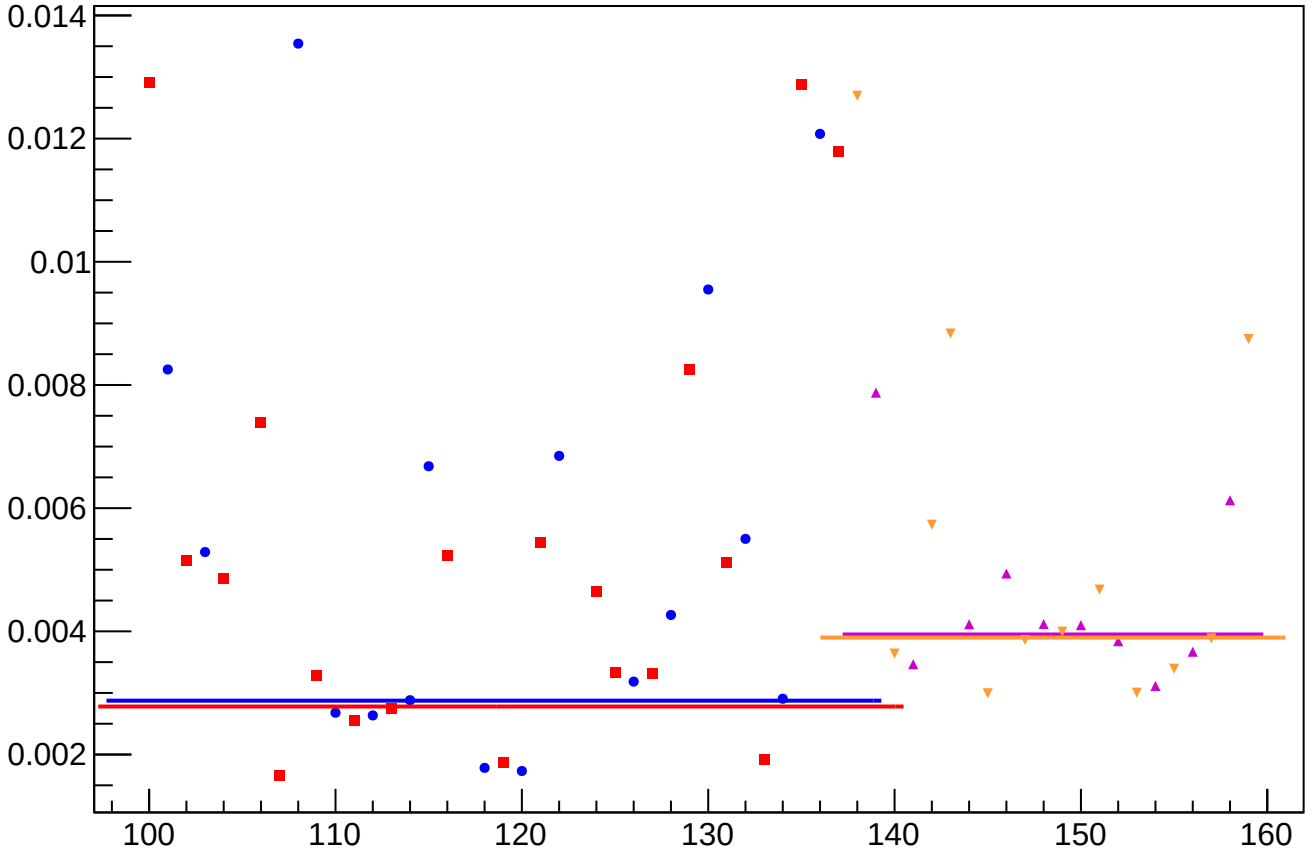
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: -0.000+/-0.000 χ^2/NDF:34.2/30

All: -0.000+/-0.000 χ^2/NDF: 61.6/56

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: 0.004+/-0.000 χ^2/NDF:2211952.3/11

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

Left: 0.004+/-0.000 χ^2/NDF: 2968973.6/21

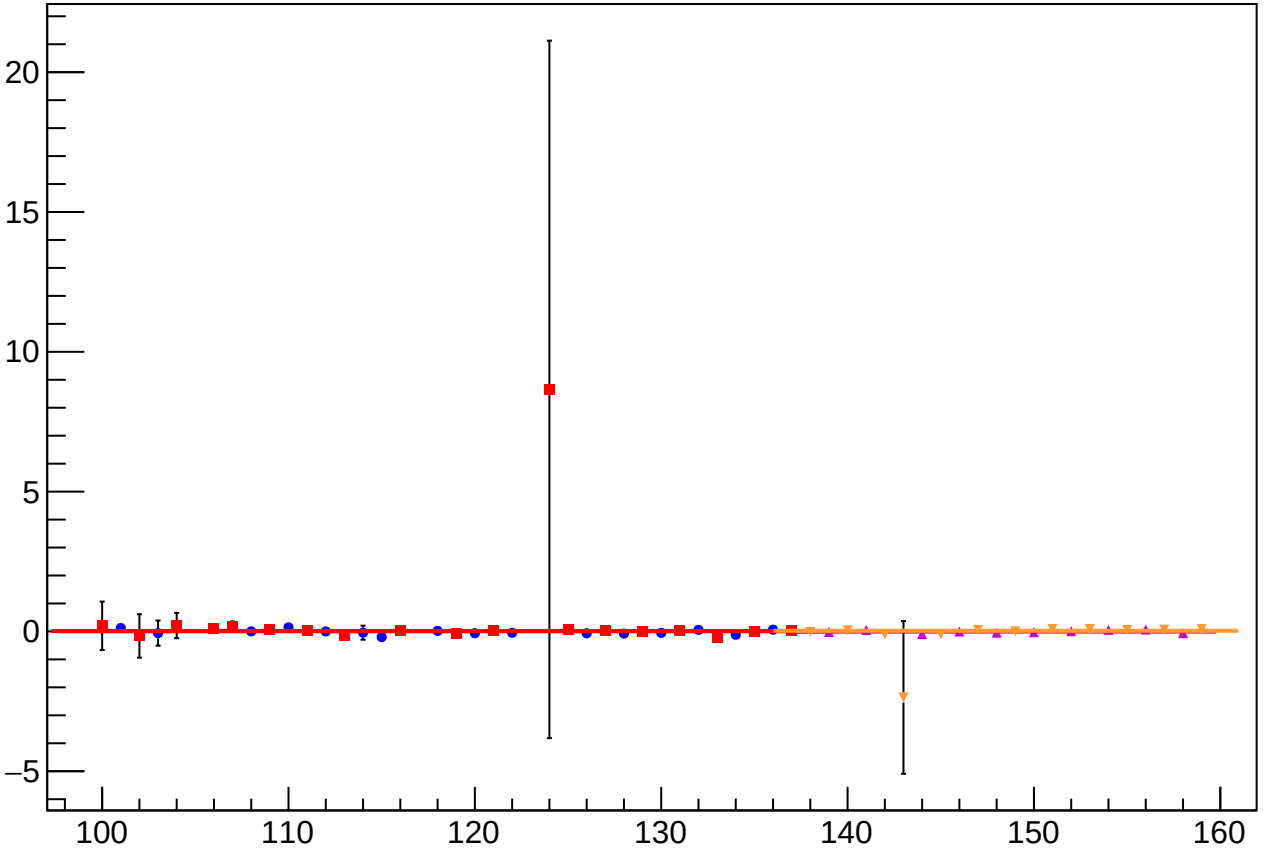
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5514272.4/25

Out: 0.003+/-0.000 χ^2/NDF:6298746.0/30

All: 0.003+/-0.000 χ^2/NDF: 11824246.2/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

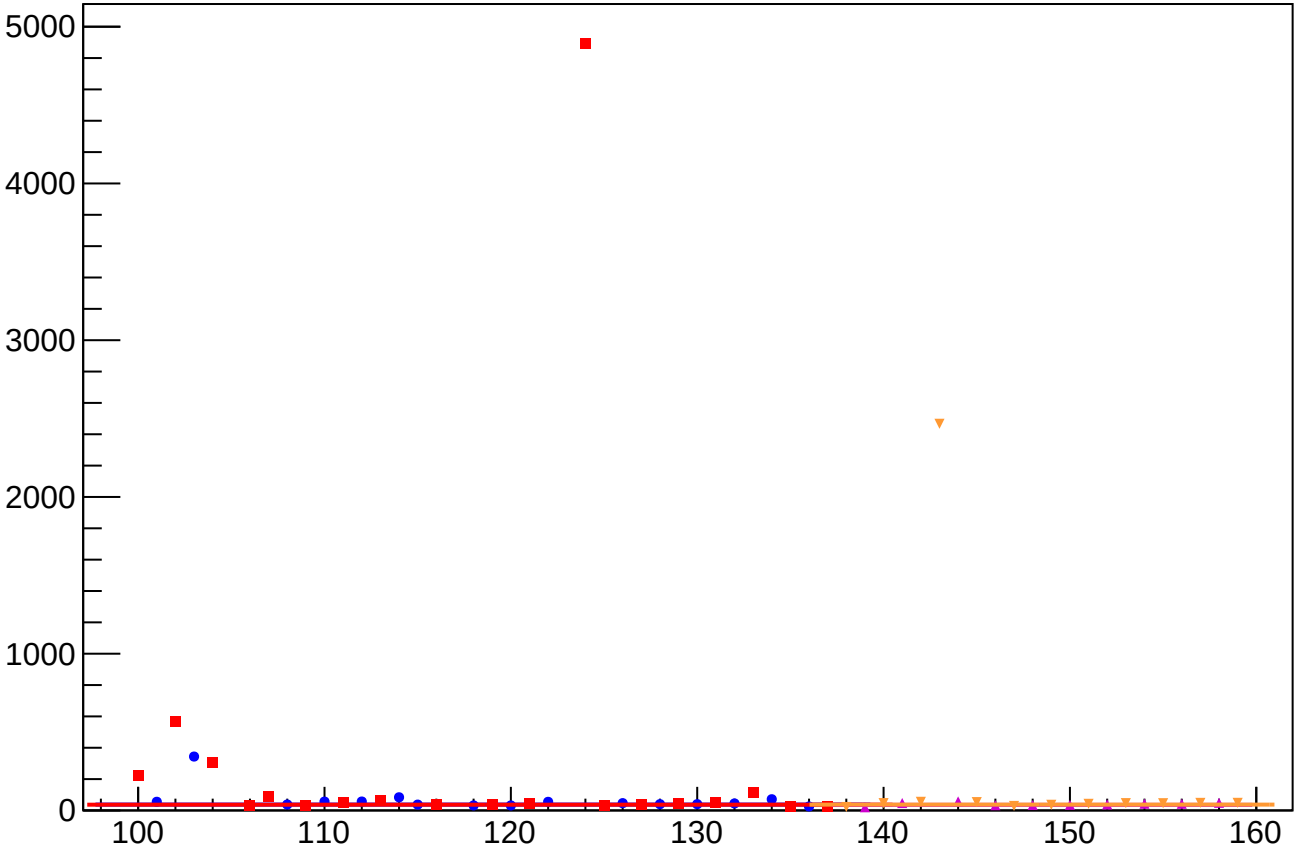
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

Left: 36.408+/-0.007 χ^2/NDF: 4080854.2/21

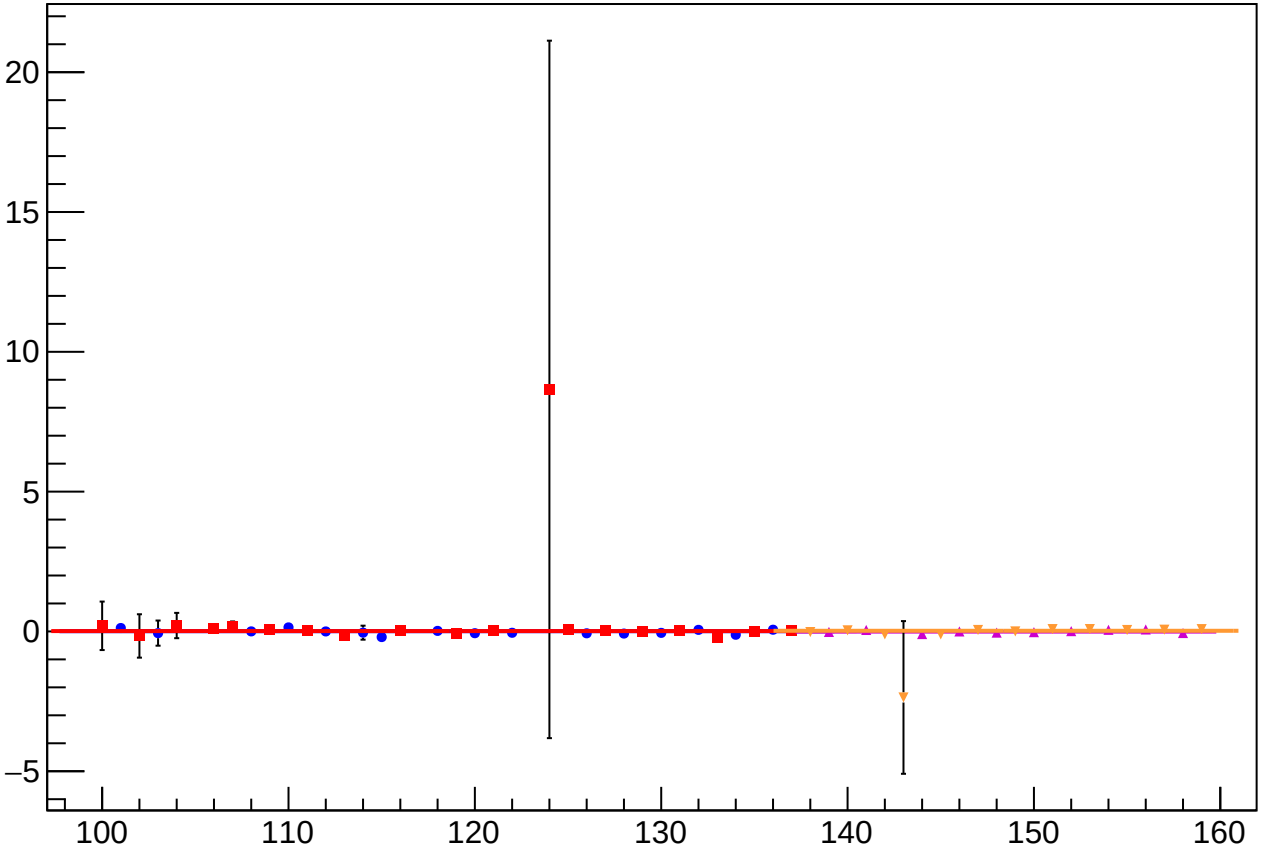
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56

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+/-0.014 χ^2/NDF:16.2/11

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.008+/-0.010 χ^2/NDF: 28.1/21

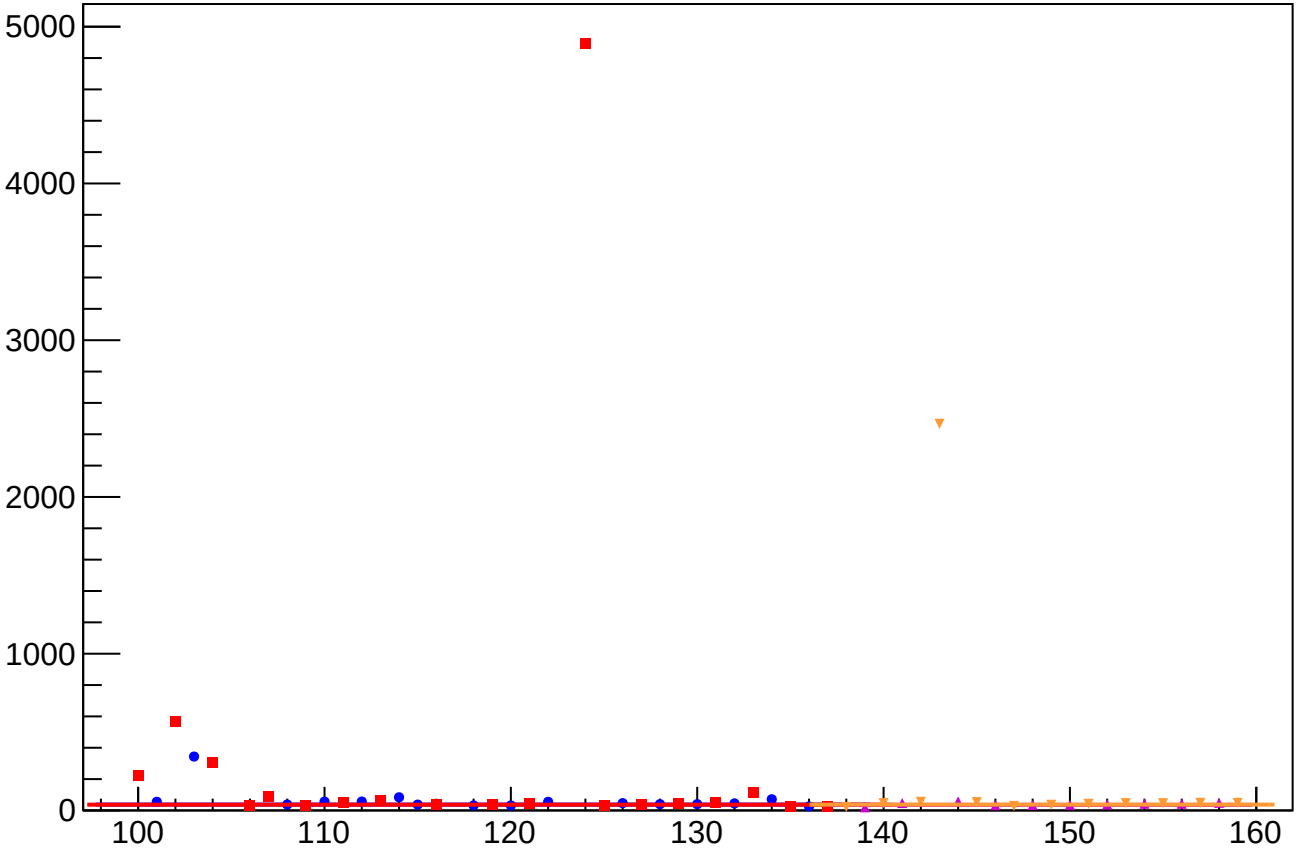
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.0/56

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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

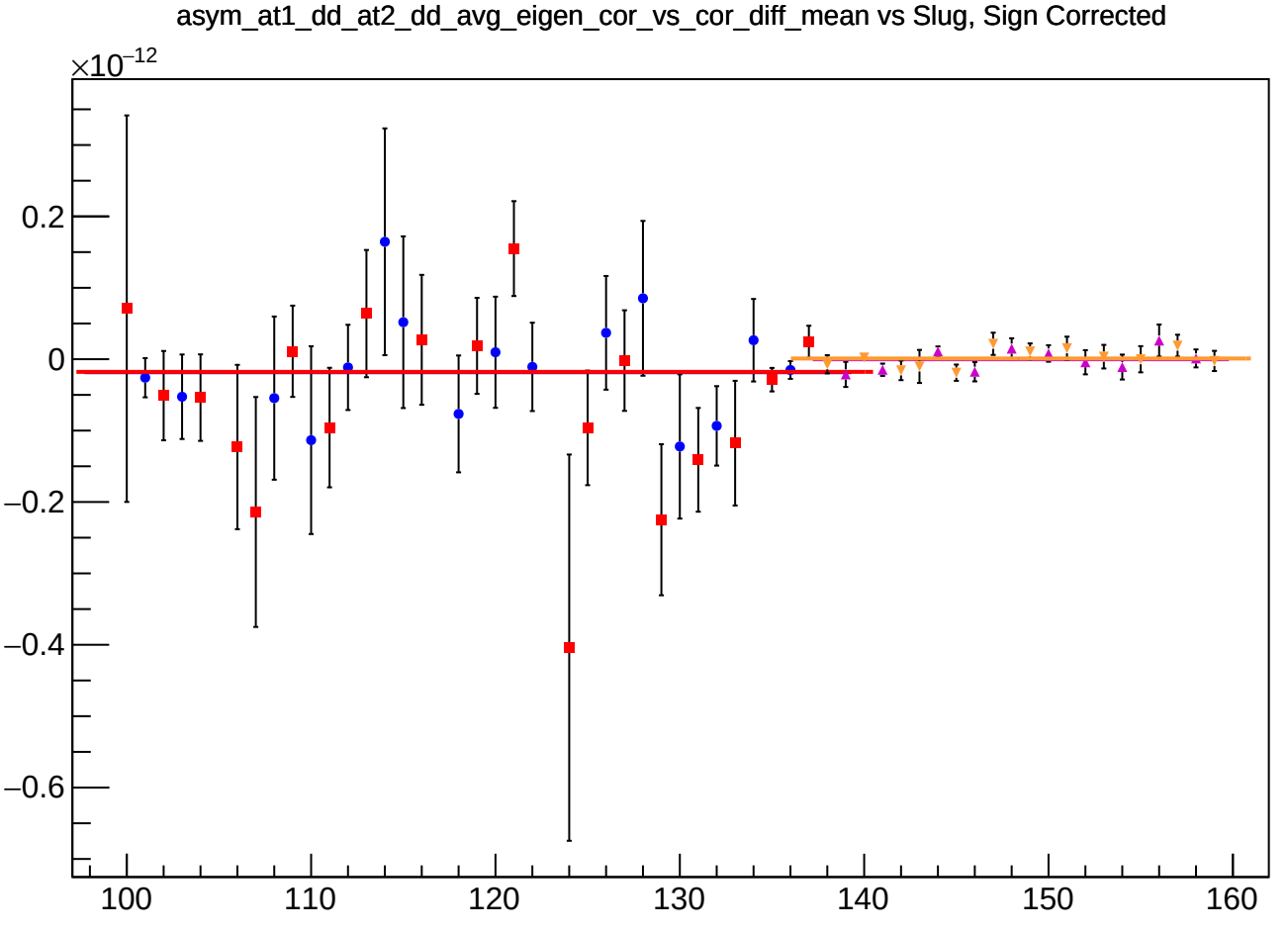
Left: 36.408+/-0.007 χ^2/NDF: 4080854.2/21

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

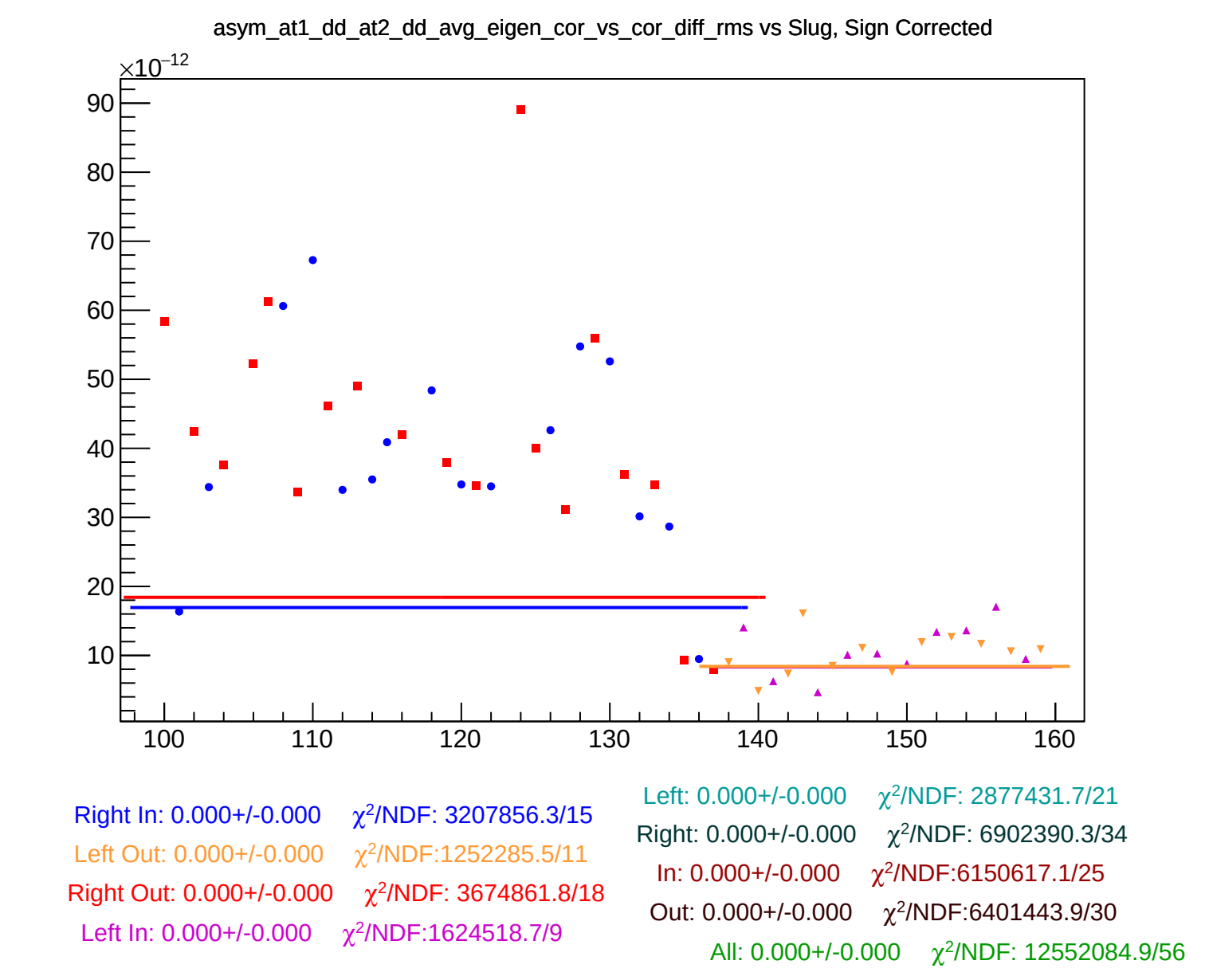
Left: 0.000+/-0.000 χ^2/NDF: 21.8/21

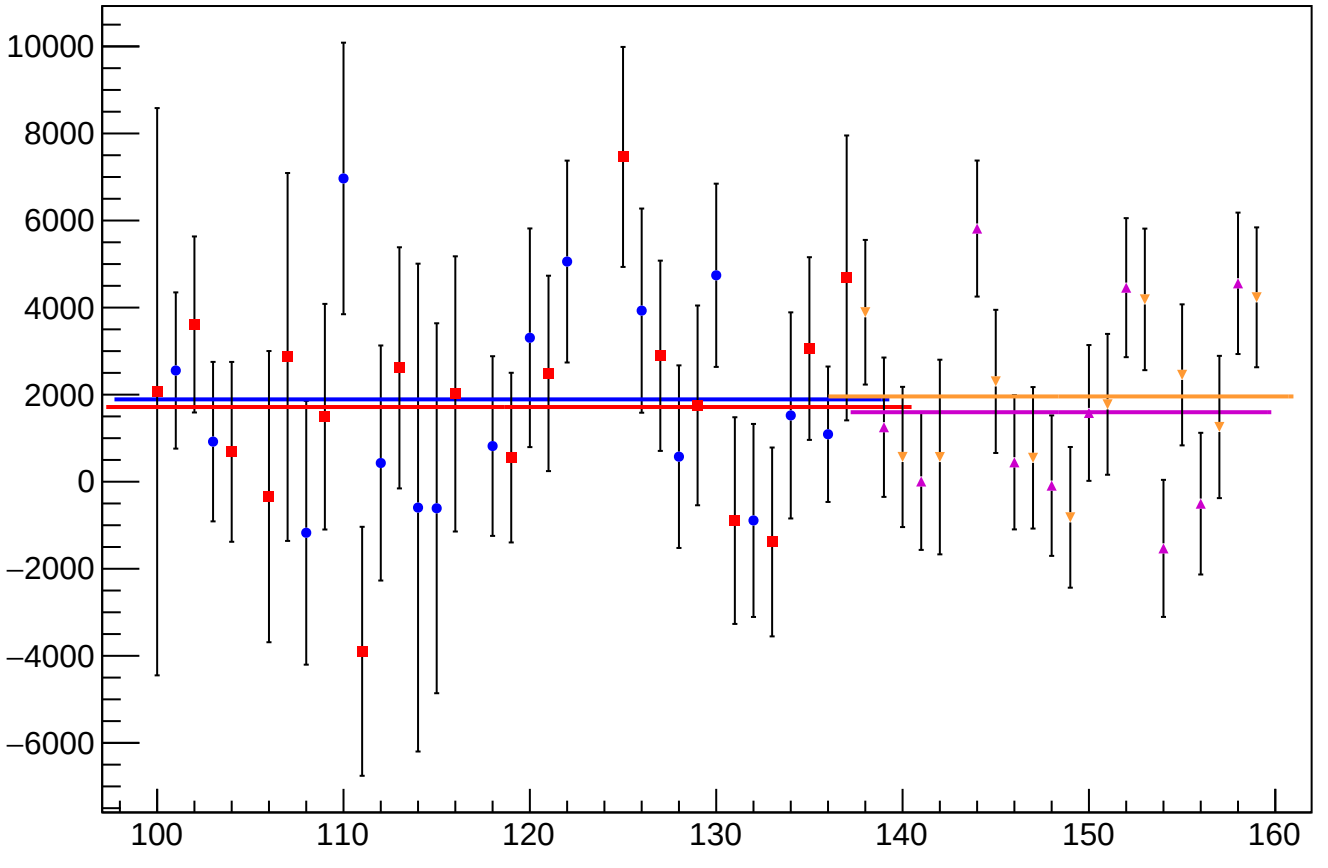
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.0/25

Out: -0.000+/-0.000 χ^2/NDF:39.8/30

All: -0.000+/-0.000 χ^2/NDF: 63.0/56


asym_at1_dd_at2_dd_avg_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1252285.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1624518.7/9
Left: 0.000+/-0.000 χ²/NDF: 2877431.7/21
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6150617.1/25
Out: 0.000+/-0.000 χ²/NDF:6401443.9/30
All: 0.000+/-0.000 χ²/NDF: 12552084.9/56



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1958.686+/-501.128 χ^2/NDF:10.4/10

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1596.481+/-501.745 χ^2/NDF:22.2/9

Left: 1777.806+/-354.569 χ^2/NDF: 32.8/20

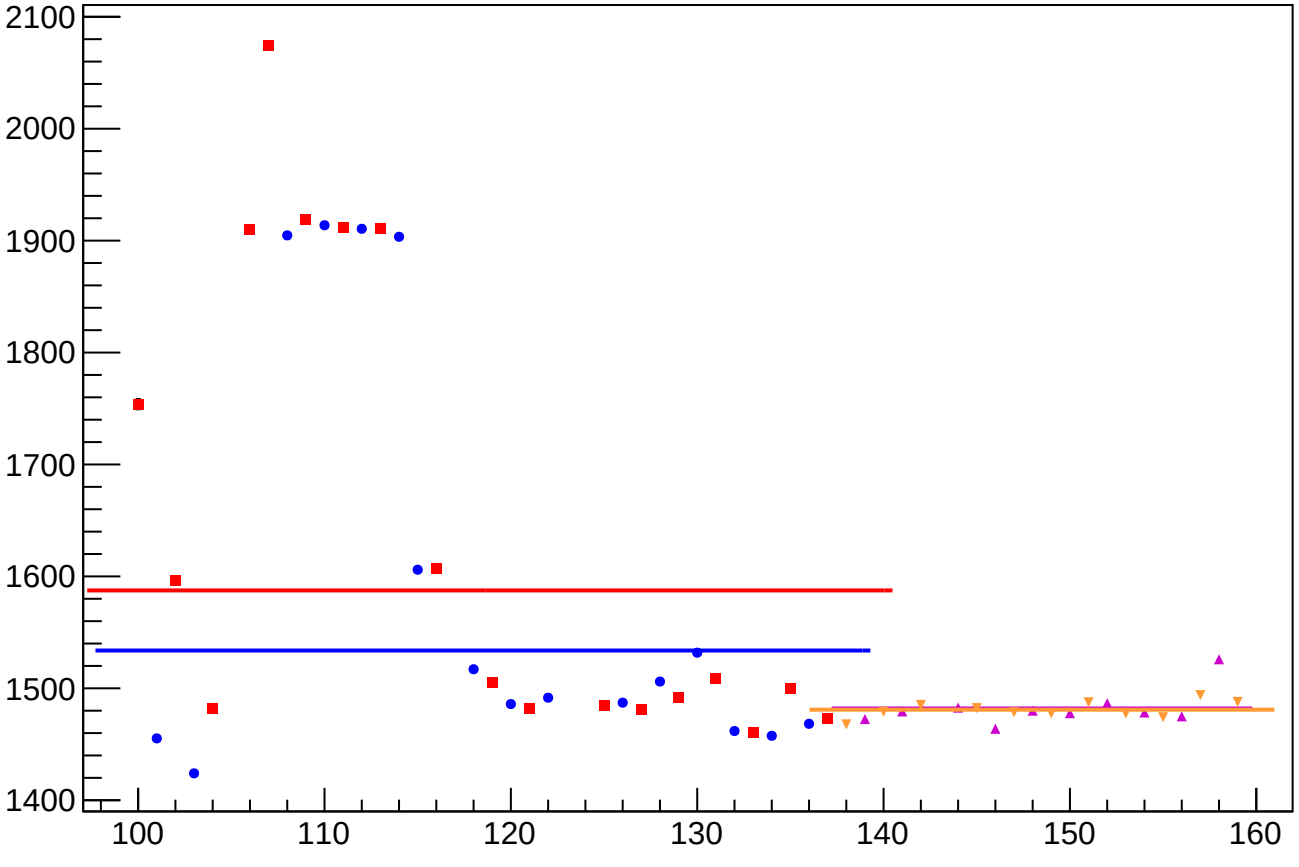
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1724.689+/-377.264 χ^2/NDF:34.5/25

Out: 1856.845+/-381.817 χ^2/NDF:26.5/28

All: 1789.974+/-268.361 χ^2/NDF: 61.1/54

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1480.903+/-0.354 χ^2/NDF:389.1/10

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

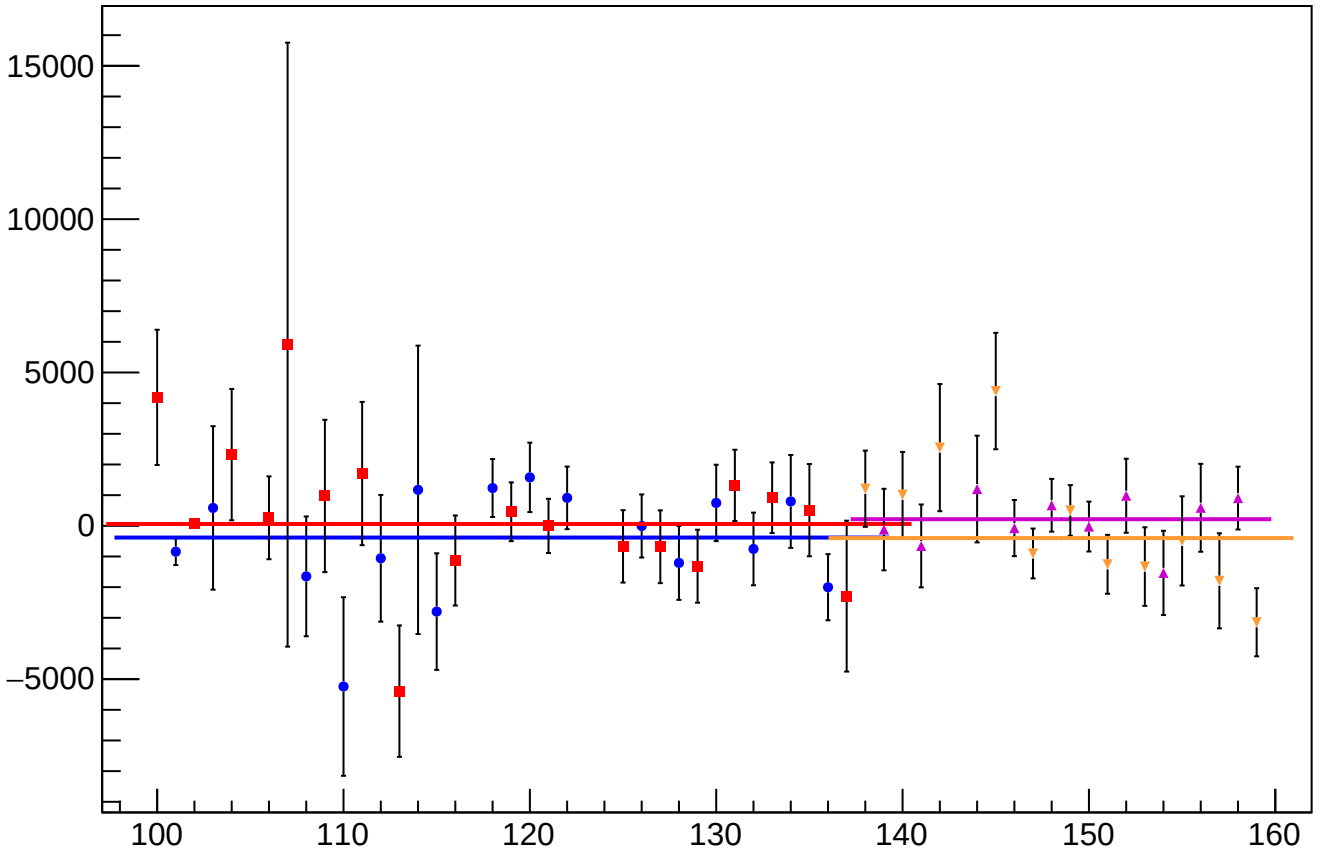
Left: 1481.440+/-0.251 χ^2/NDF: 2292.0/20

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1504.489+/-0.267 χ^2/NDF:140432.5/25

Out: 1525.603+/-0.270 χ^2/NDF:210311.1/28

All: 1514.919+/-0.190 χ^2/NDF: 353838.2/54



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -399.658+/-352.725 χ^2/NDF:20.9/10

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 215.164+/-350.150 χ^2/NDF:3.8/9

Left: -89.995+/-248.499 χ^2/NDF: 26.2/20

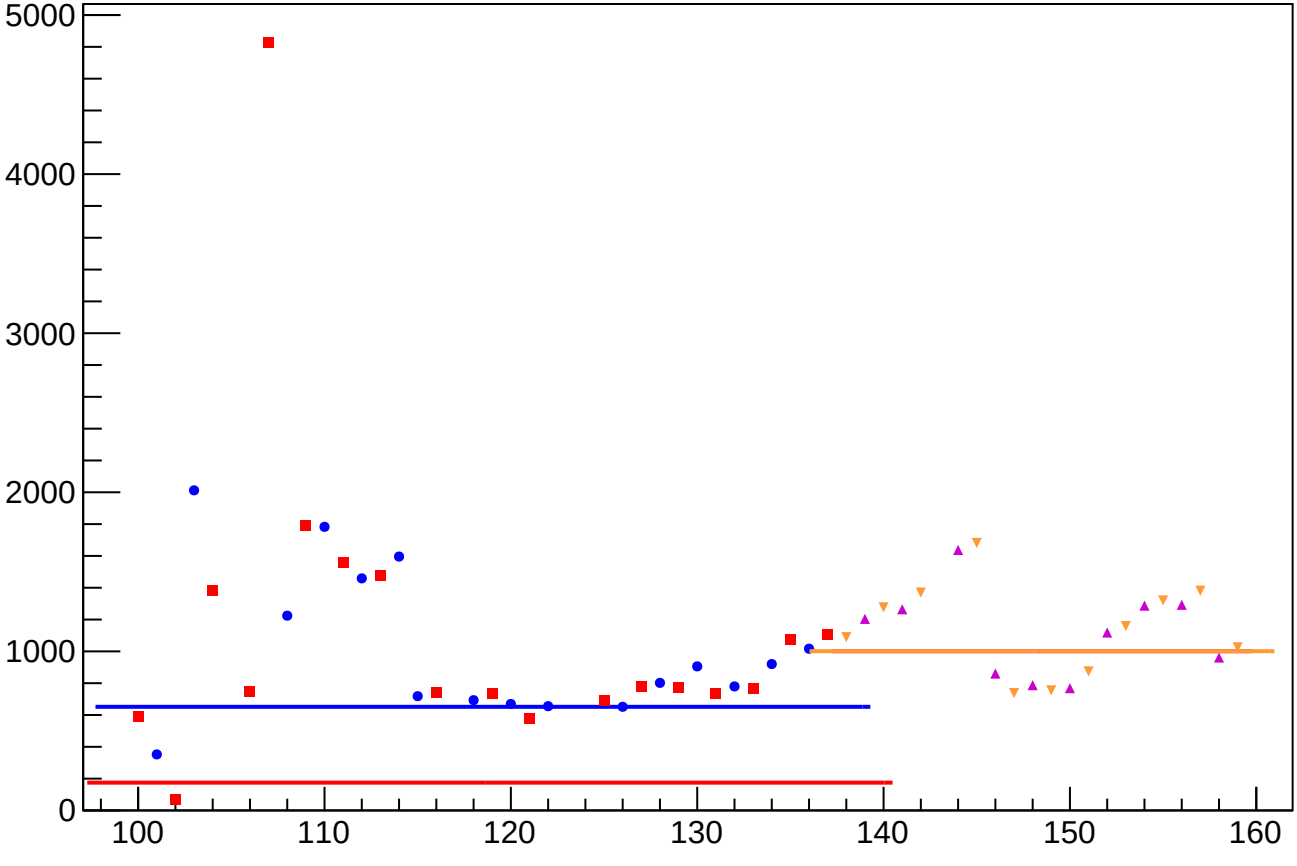
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -157.540+/-214.907 χ^2/NDF:23.8/25

Out: 6.707+/-120.074 χ^2/NDF:40.2/28

All: -32.368+/-104.822 χ^2/NDF: 64.5/54

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: 1001.219+/-0.249 χ^2/NDF:1077684.7/10

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1000.871+/-0.248 χ^2/NDF:915608.3/9

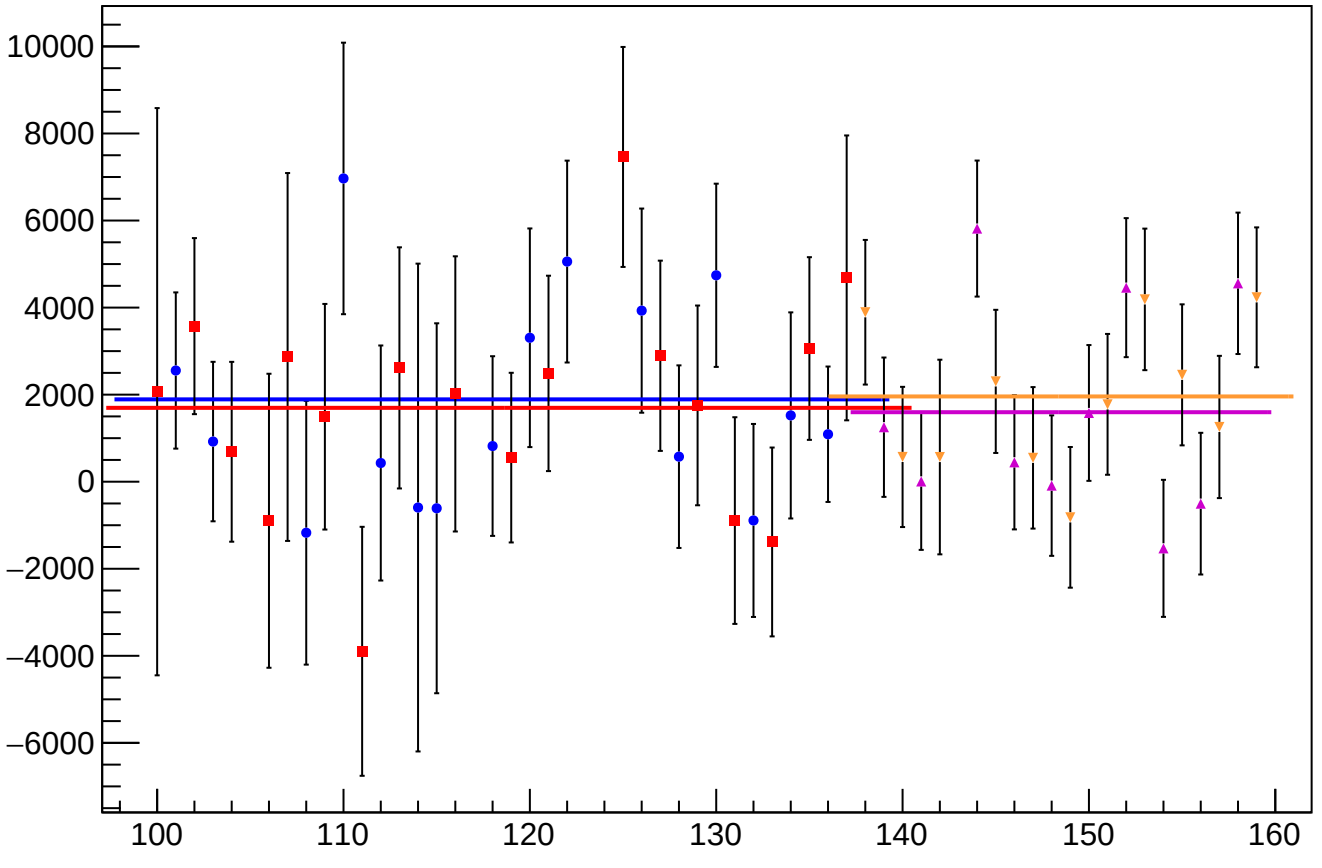
Left: 1001.044+/-0.176 χ^2/NDF: 1993294.0/20

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 783.122+/-0.152 χ^2/NDF:4919167.1/25

Out: 270.655+/-0.085 χ^2/NDF:20543200.8/28

All: 392.573+/-0.074 χ^2/NDF: 34129376.1/54



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1958.626+/-501.128 χ^2/NDF:10.4/10

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1596.635+/-501.745 χ^2/NDF:22.2/9

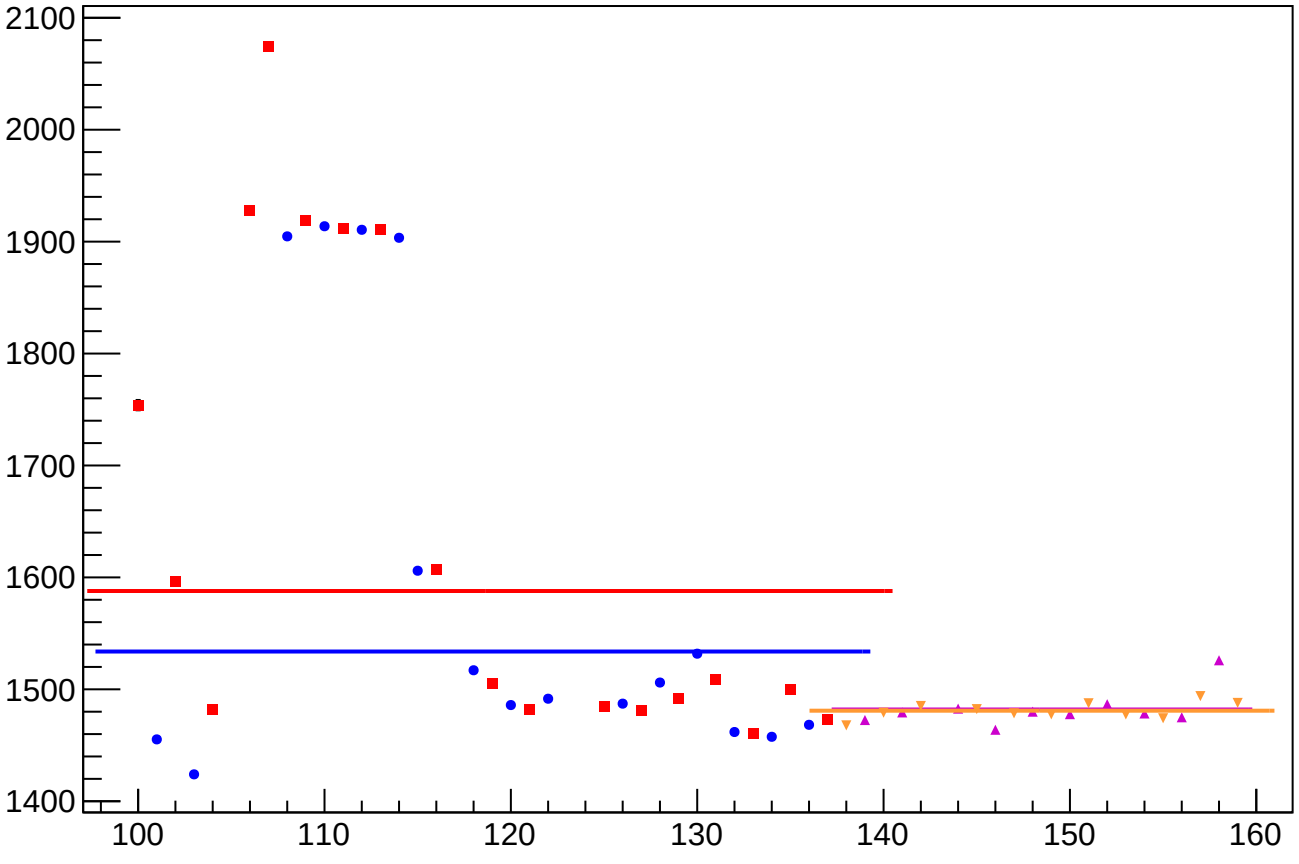
Left: 1777.854+/-354.569 χ^2/NDF: 32.8/20

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1724.822+/-377.264 χ^2/NDF:34.5/25

Out: 1848.912+/-381.866 χ^2/NDF:26.7/28

All: 1786.115+/-268.378 χ^2/NDF: 61.3/54



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.903+/-0.354 χ^2/NDF:389.1/10

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

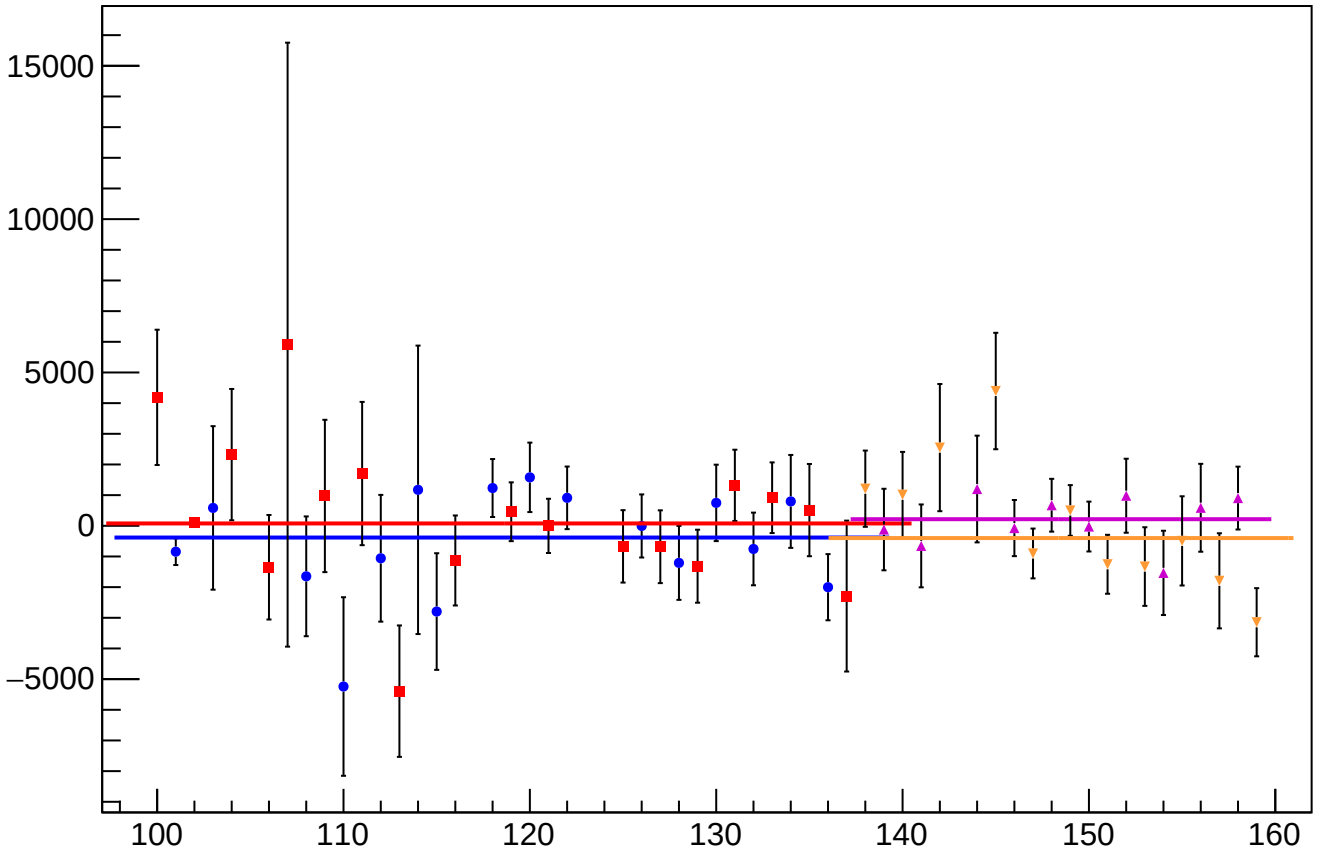
Left: 1481.440+/-0.251 χ^2/NDF: 2292.0/20

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.489+/-0.267 χ^2/NDF:140432.5/25

Out: 1525.748+/-0.270 χ^2/NDF:212350.7/28

All: 1514.990+/-0.190 χ^2/NDF: 355920.0/54



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -399.802+/-352.728 χ^2/NDF:20.9/10

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 215.245+/-350.149 χ^2/NDF:3.8/9

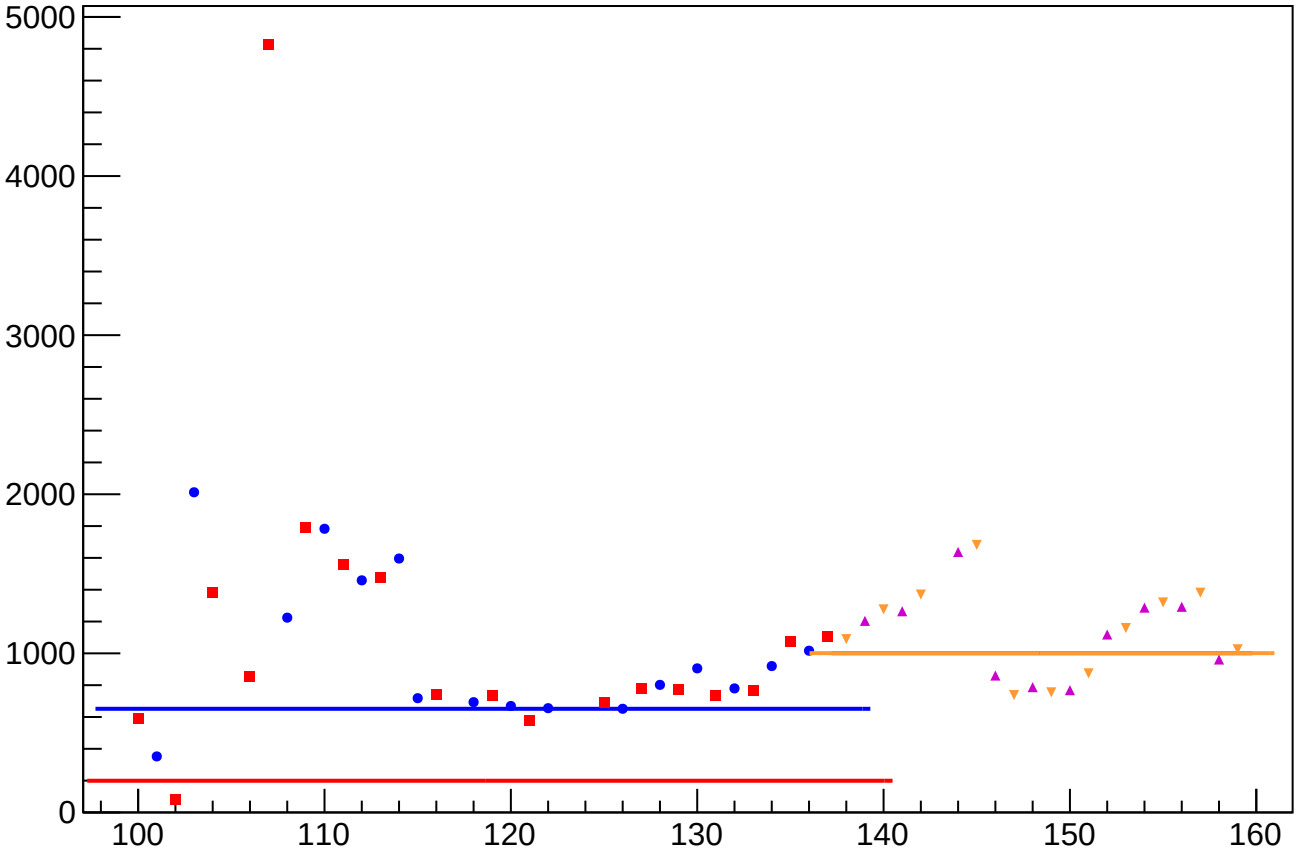
Left: -90.022+/-248.500 χ^2/NDF: 26.2/20

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -157.492+/-214.907 χ^2/NDF:23.8/25

Out: 13.384+/-128.625 χ^2/NDF:41.0/28

All: -31.684+/-110.367 χ^2/NDF: 65.3/54



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1001.230+/-0.249 χ^2/NDF:1077680.9/10

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

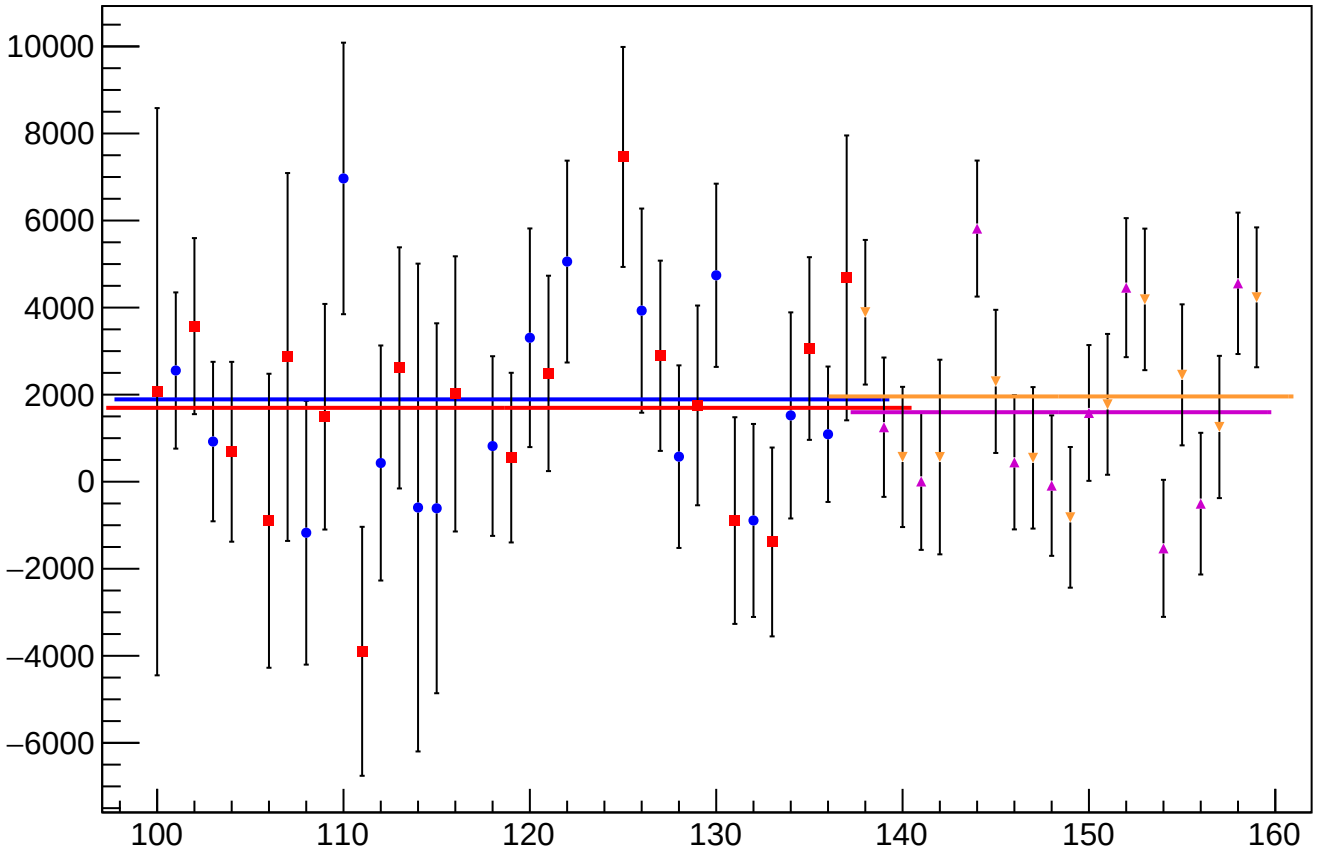
Left: 1001.047+/-0.176 χ^2/NDF: 1993341.8/20

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 783.120+/-0.152 χ^2/NDF:4919234.6/25

Out: 305.975+/-0.091 χ^2/NDF:19324490.2/28

All: 431.818+/-0.078 χ^2/NDF: 31502436.3/54



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1958.626+/-501.128 χ^2/NDF:10.4/10

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1596.635+/-501.745 χ^2/NDF:22.2/9

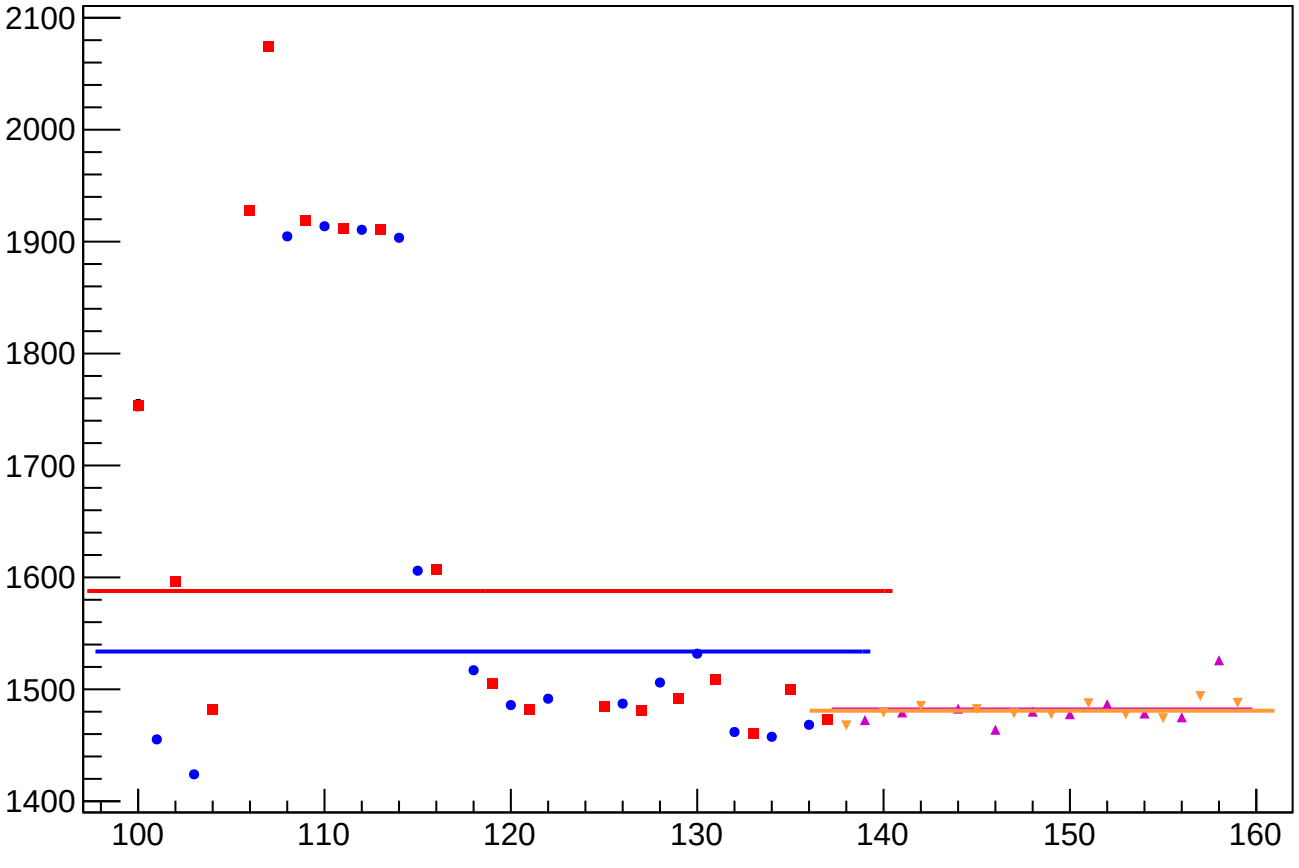
Left: 1777.854+/-354.569 χ^2/NDF: 32.8/20

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1724.822+/-377.264 χ^2/NDF:34.5/25

Out: 1848.912+/-381.866 χ^2/NDF:26.7/28

All: 1786.115+/-268.378 χ^2/NDF: 61.3/54



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.903+/-0.354 χ^2/NDF:389.1/10

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

Left: 1481.440+/-0.251 χ^2/NDF: 2292.0/20

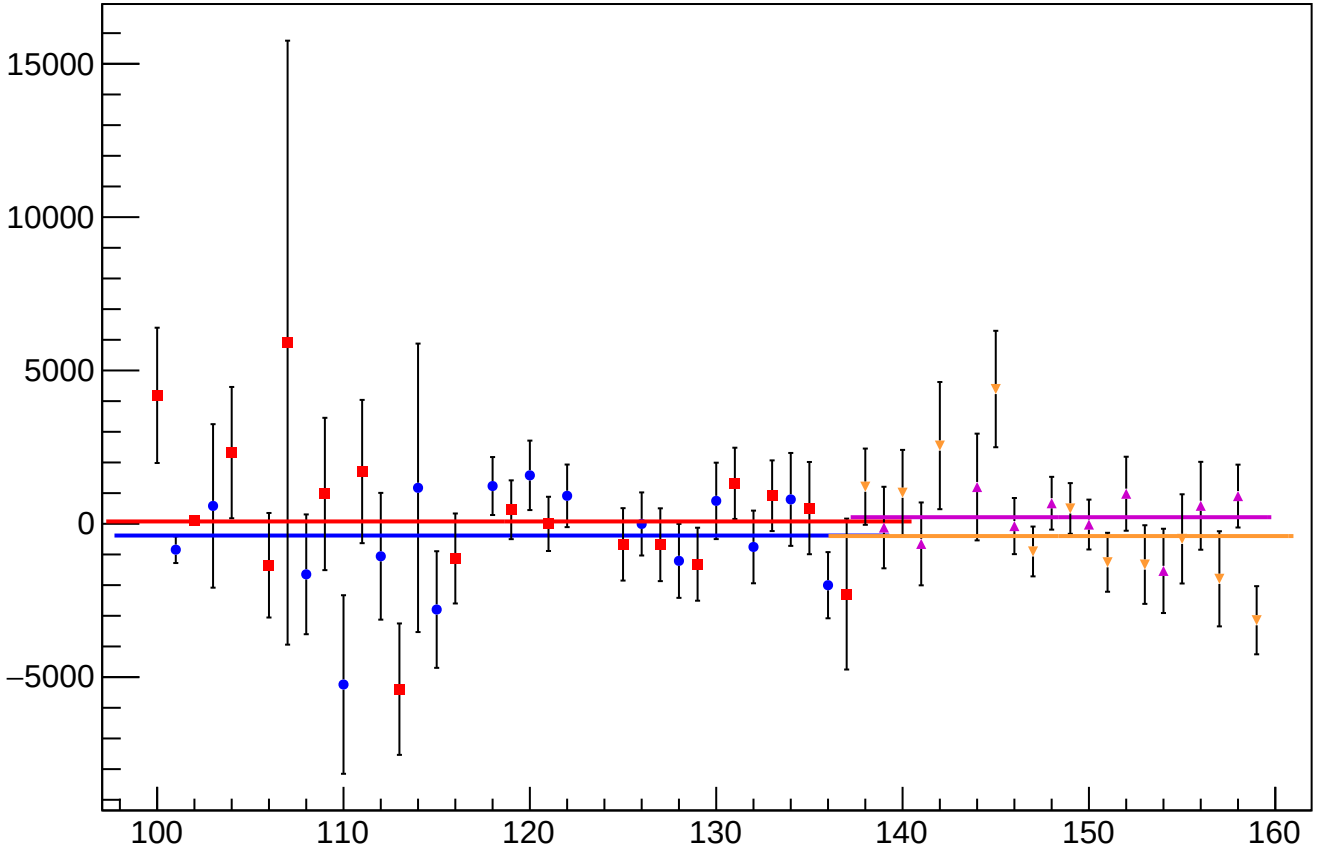
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.489+/-0.267 χ^2/NDF:140432.5/25

Out: 1525.748+/-0.270 χ^2/NDF:212350.7/28

All: 1514.990+/-0.190 χ^2/NDF: 355920.0/54

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: -399.802+/-352.728 χ^2/NDF:20.9/10

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 215.245+/-350.149 χ^2/NDF:3.8/9

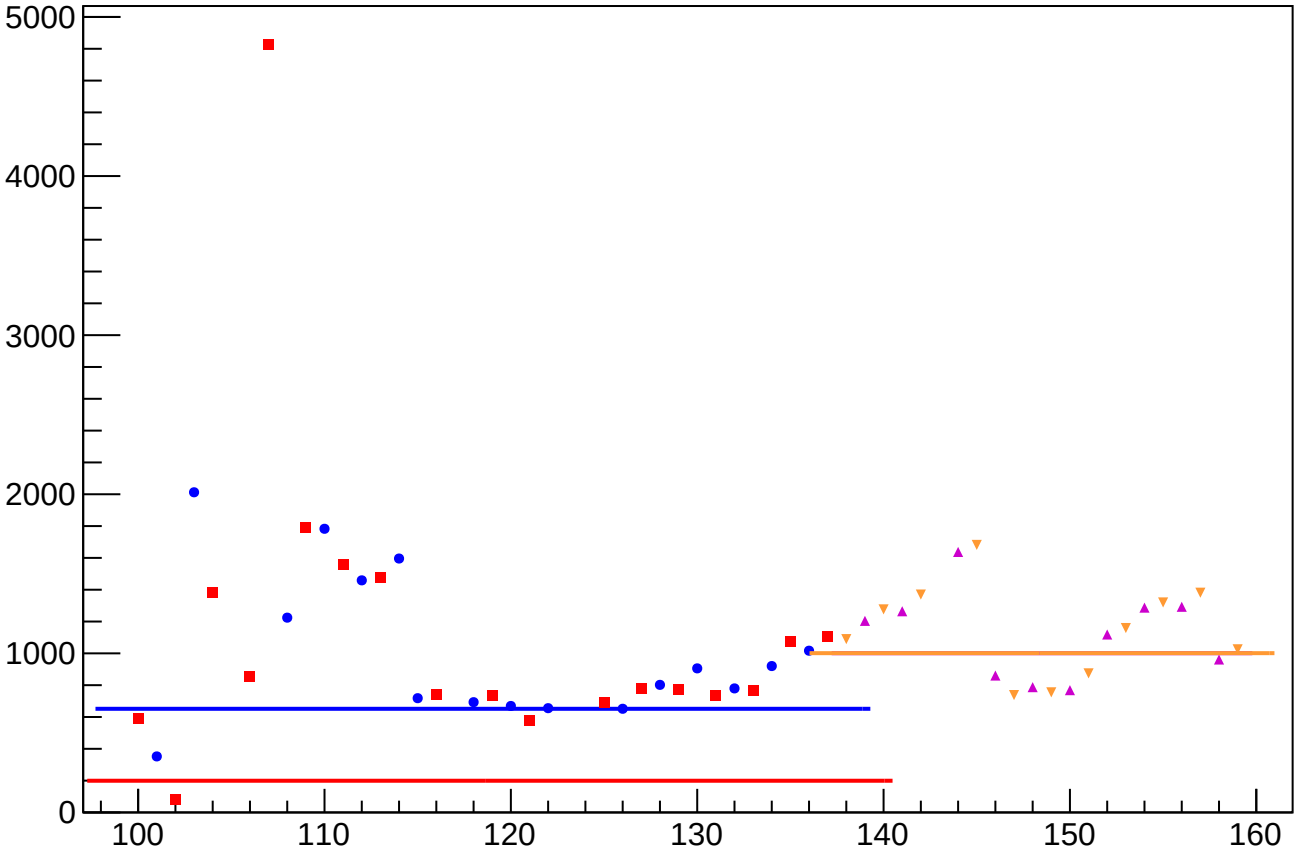
Left: -90.022+/-248.500 χ^2/NDF: 26.2/20

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -157.492+/-214.907 χ^2/NDF:23.8/25

Out: 13.384+/-128.625 χ^2/NDF:41.0/28

All: -31.684+/-110.367 χ^2/NDF: 65.3/54



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1001.230+/-0.249 χ^2/NDF:1077680.9/10

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

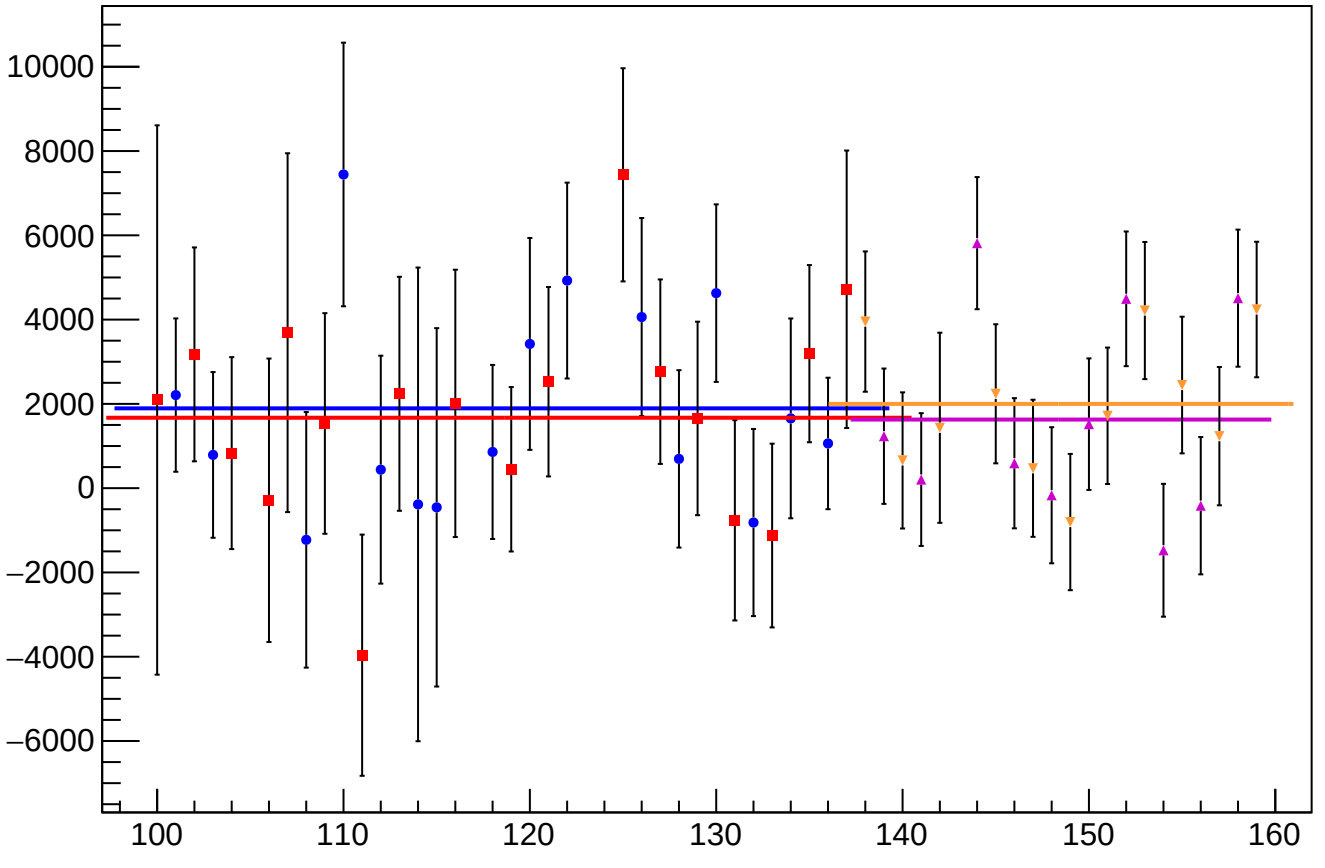
Left: 1001.047+/-0.176 χ^2/NDF: 1993341.8/20

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 783.120+/-0.152 χ^2/NDF:4919234.6/25

Out: 305.975+/-0.091 χ^2/NDF:19324490.2/28

All: 431.818+/-0.078 χ^2/NDF: 31502436.3/54



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1999.264+/-502.180 χ^2/NDF:10.2/10

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1628.030+/-502.541 χ^2/NDF:21.5/9

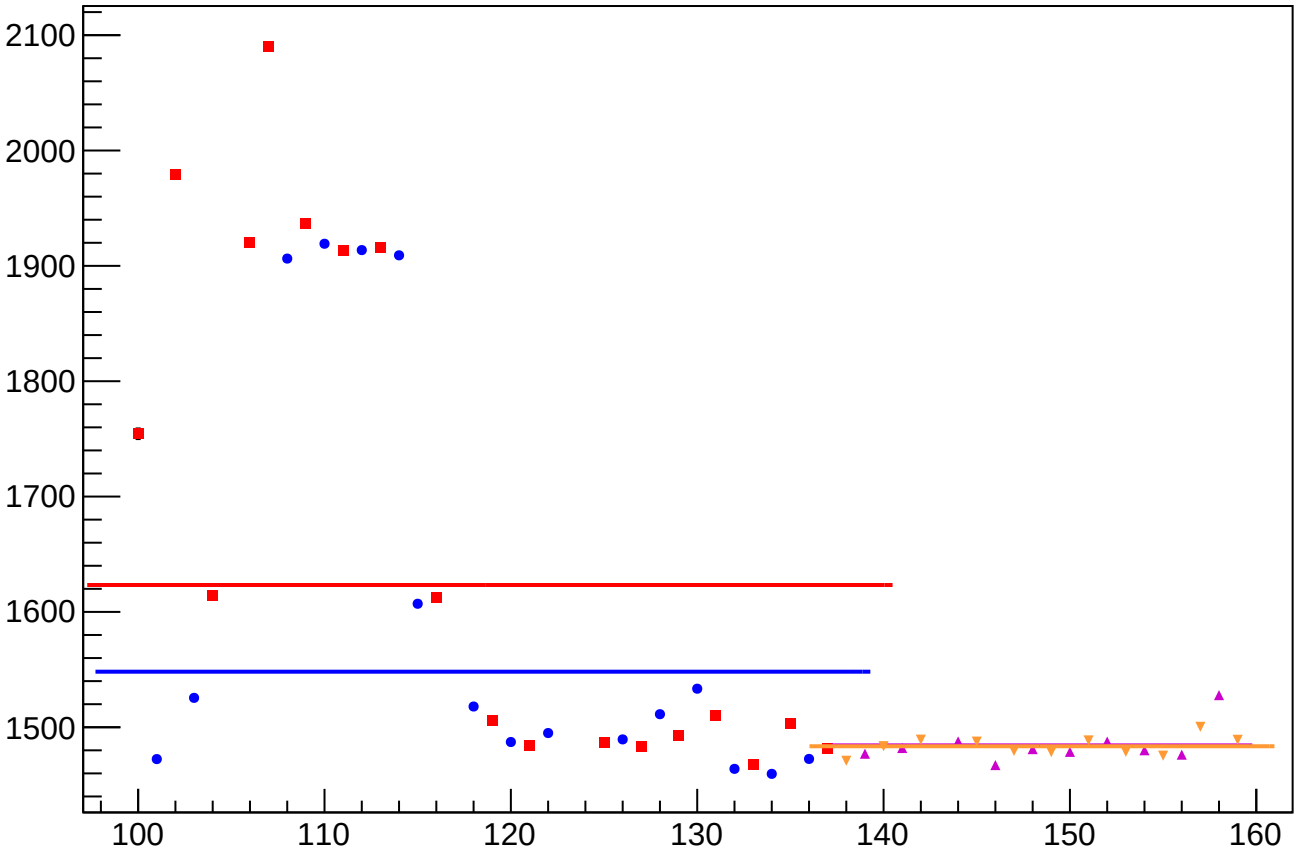
Left: 1813.781+/-355.222 χ^2/NDF: 31.9/20

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1742.688+/-379.138 χ^2/NDF:33.9/25

Out: 1865.287+/-386.366 χ^2/NDF:25.4/28

All: 1802.830+/-270.610 χ^2/NDF: 59.3/54



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1483.532+/-0.355 χ^2/NDF:493.7/10

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

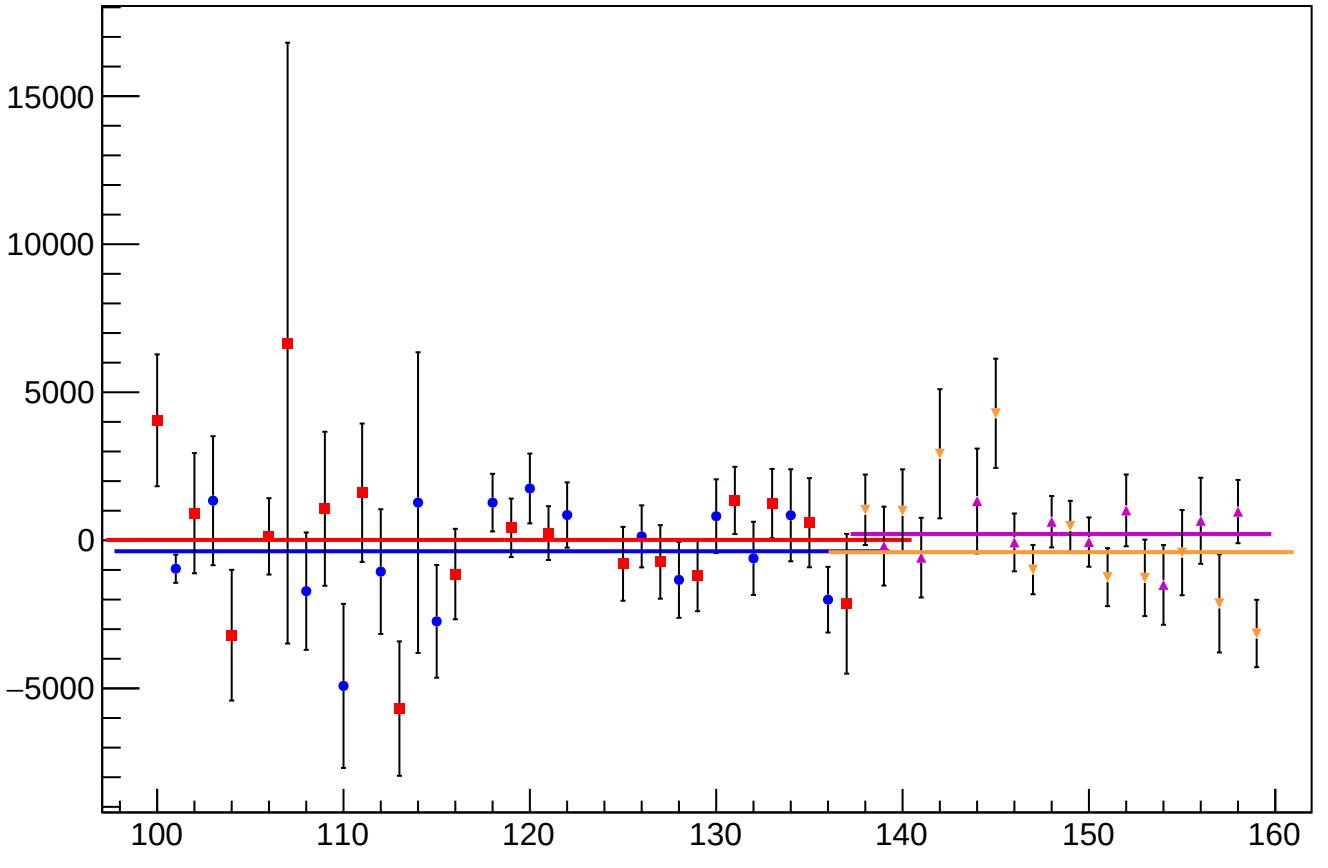
Left: 1483.918+/-0.251 χ^2/NDF: 2334.4/20

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1511.820+/-0.268 χ^2/NDF:135661.6/25

Out: 1540.578+/-0.273 χ^2/NDF:275274.3/28

All: 1525.927+/-0.191 χ^2/NDF: 416580.5/54



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -398.587+/-357.991 χ^2/NDF:20.9/10

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 215.228+/-357.313 χ^2/NDF:3.9/9

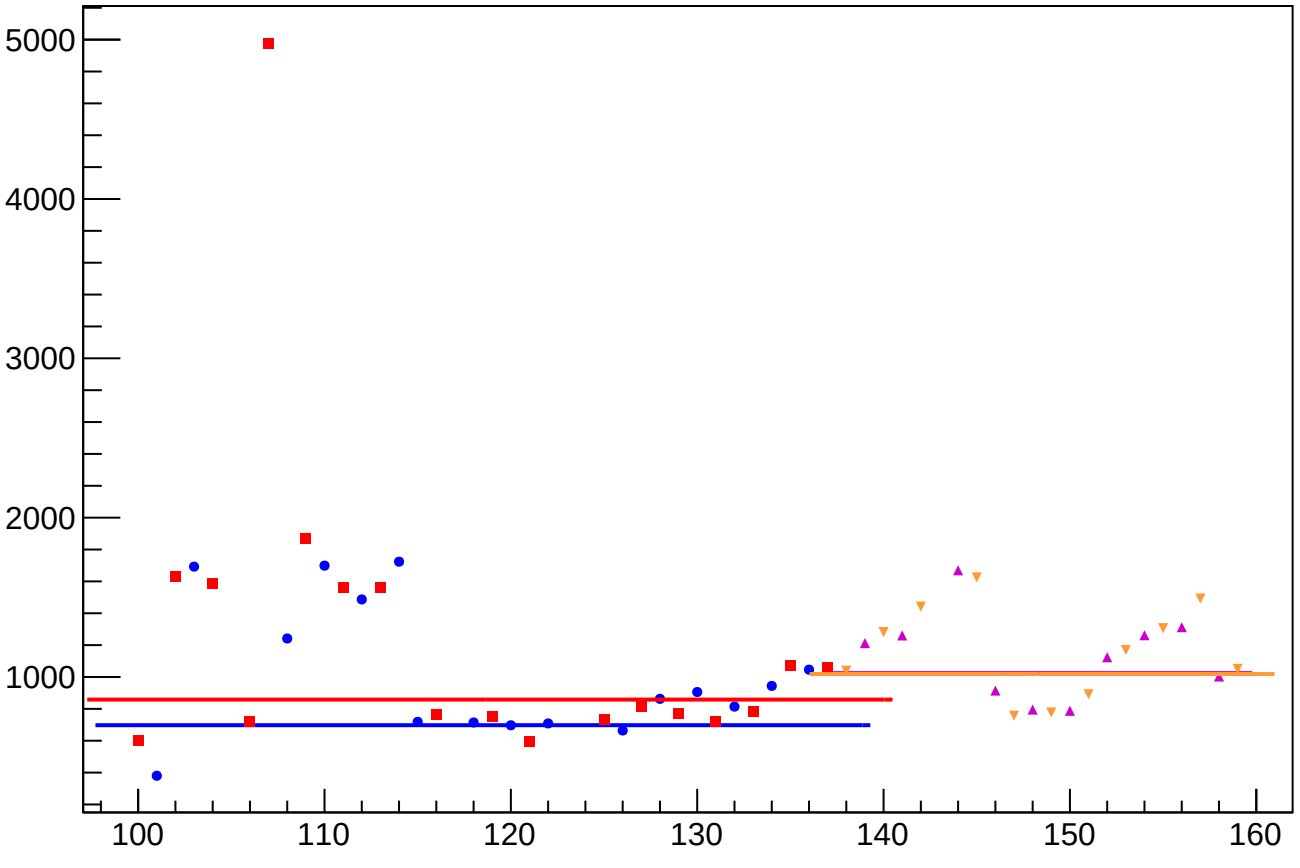
Left: -91.098+/-252.898 χ^2/NDF: 26.3/20

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -140.125+/-223.557 χ^2/NDF:24.4/25

Out: -182.756+/-247.127 χ^2/NDF:40.7/28

All: -159.311+/-165.787 χ^2/NDF: 65.1/54



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1018.595+/-0.253 χ^2/NDF:1025722.8/10

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1024.406+/-0.253 χ^2/NDF:847809.7/9

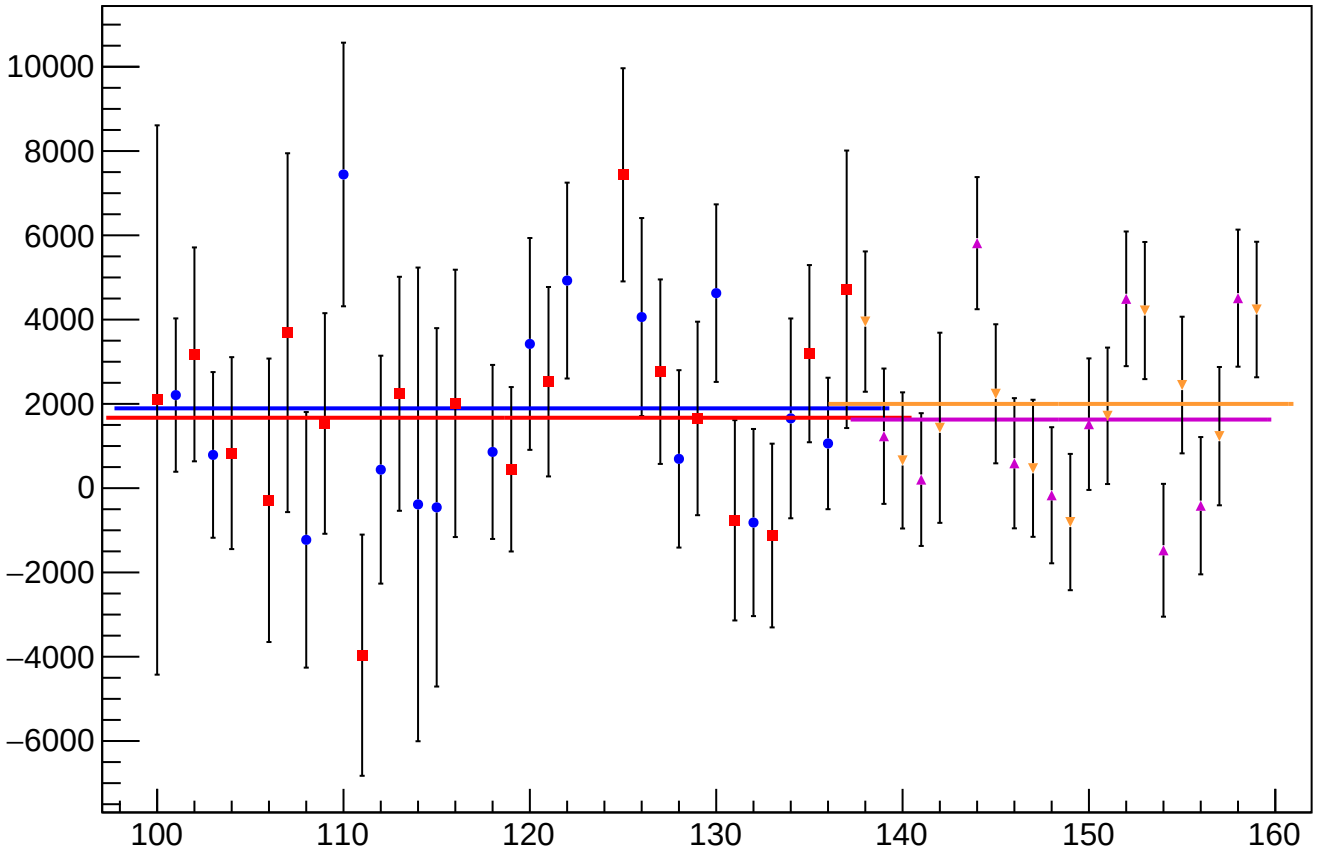
Left: 1021.506+/-0.179 χ^2/NDF: 1873796.5/20

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 825.478+/-0.158 χ^2/NDF:4302072.1/25

Out: 934.580+/-0.175 χ^2/NDF:3118323.5/28

All: 874.579+/-0.117 χ^2/NDF: 7634770.8/54



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1999.262+/-502.180 χ^2/NDF:10.2/10

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1628.031+/-502.541 χ^2/NDF:21.5/9

Left: 1813.780+/-355.222 χ^2/NDF: 31.9/20

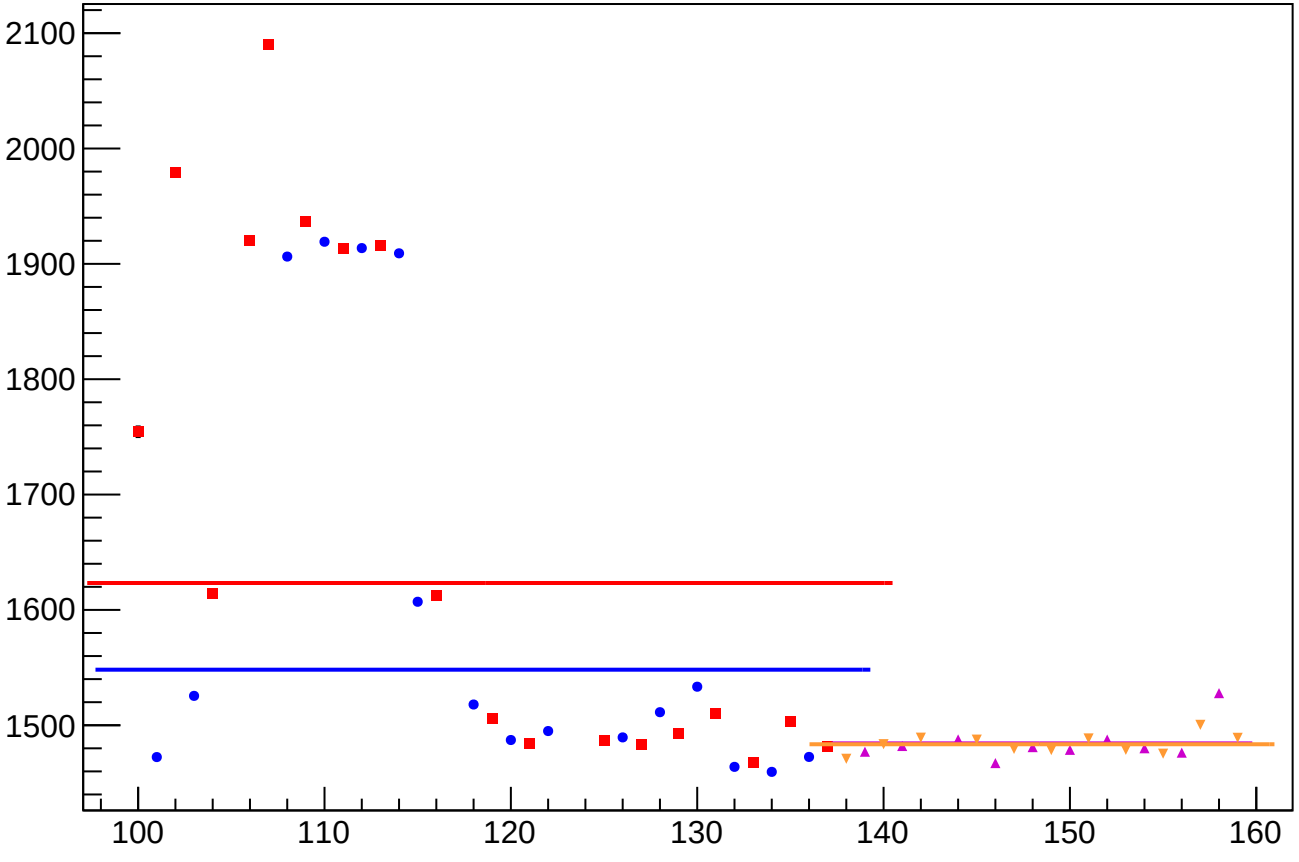
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1742.688+/-379.138 χ^2/NDF:33.9/25

Out: 1865.284+/-386.366 χ^2/NDF:25.4/28

All: 1802.829+/-270.610 χ^2/NDF: 59.3/54

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1483.532+/-0.355 χ^2/NDF:493.7/10

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

Left: 1483.918+/-0.251 χ^2/NDF: 2334.4/20

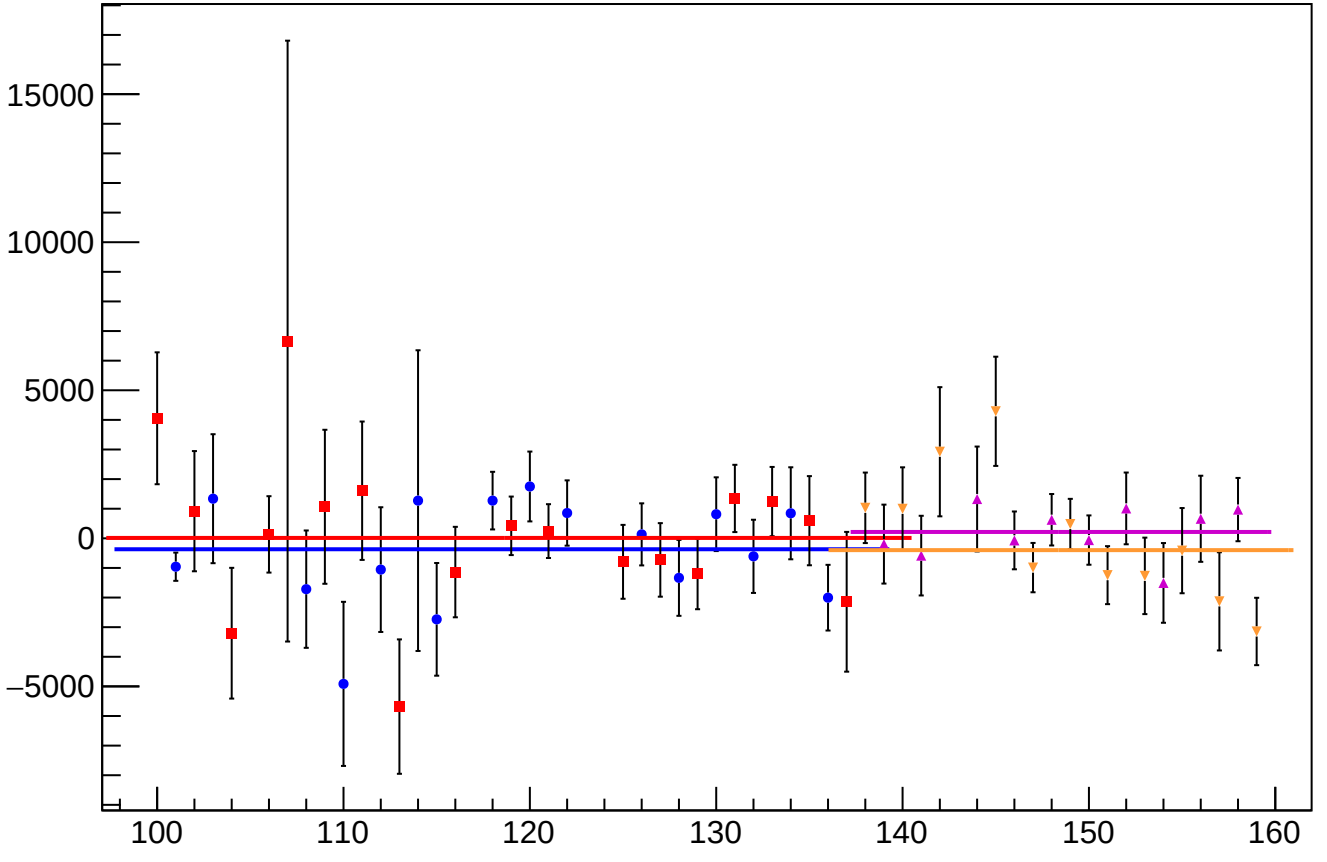
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1511.820+/-0.268 χ^2/NDF:135661.6/25

Out: 1540.578+/-0.273 χ^2/NDF:275273.9/28

All: 1525.927+/-0.191 χ^2/NDF: 416580.0/54

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -398.591+/-357.991 χ^2/NDF:20.9/10

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 215.229+/-357.313 χ^2/NDF:3.9/9

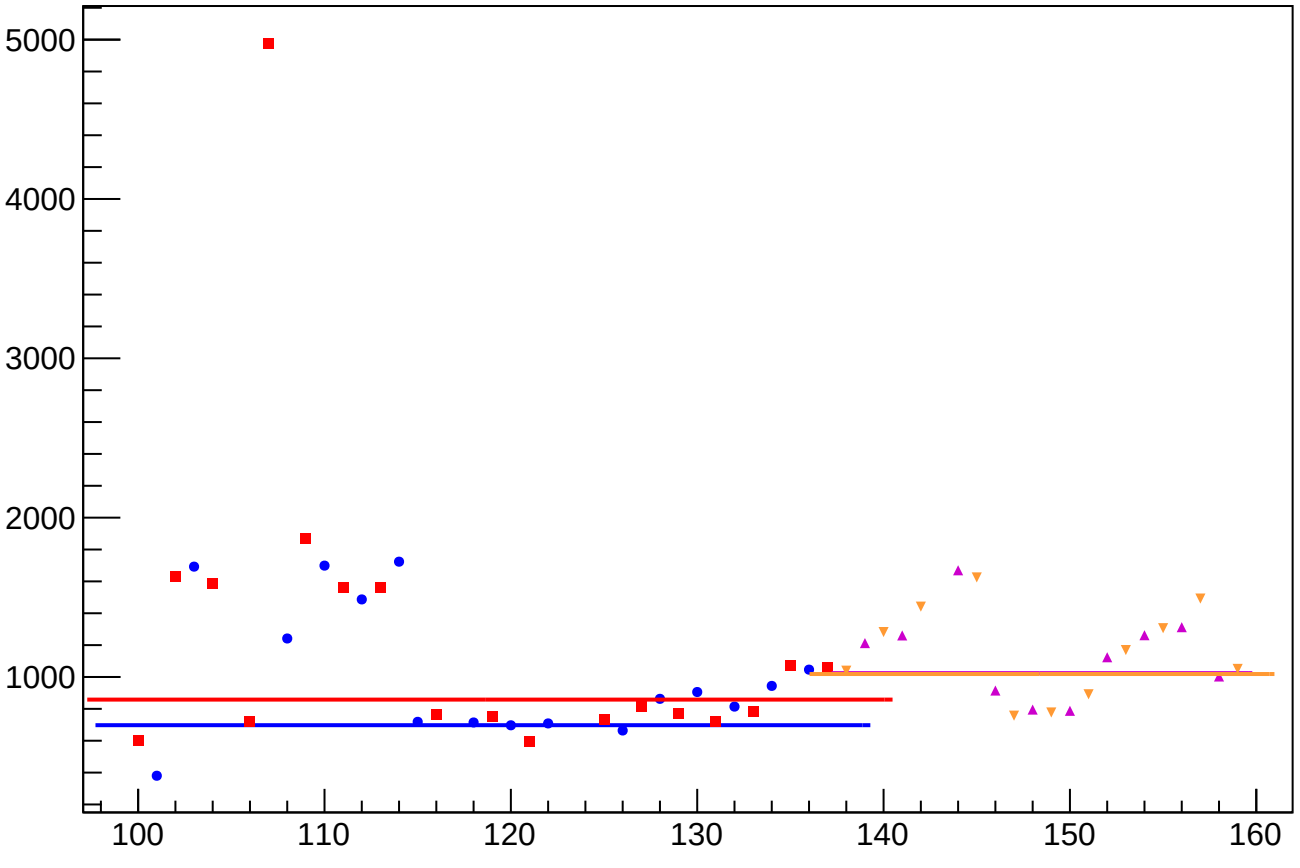
Left: -91.099+/-252.898 χ^2/NDF: 26.3/20

Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -140.124+/-223.557 χ^2/NDF:24.4/25

Out: -182.756+/-247.127 χ^2/NDF:40.7/28

All: -159.311+/-165.787 χ^2/NDF: 65.1/54



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1018.597+/-0.253 χ^2/NDF:1025720.5/10

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1024.408+/-0.253 χ^2/NDF:847806.0/9

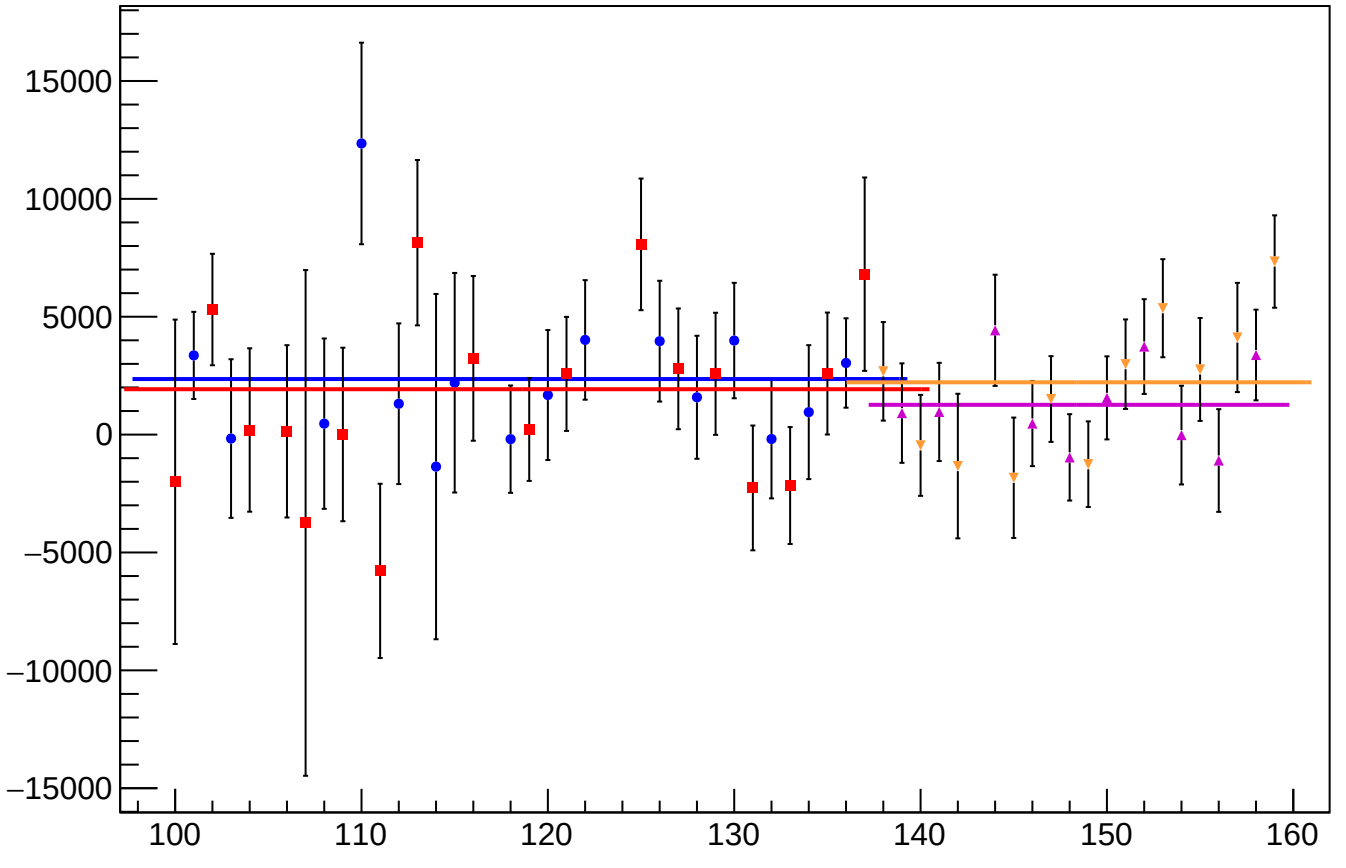
Left: 1021.508+/-0.179 χ^2/NDF: 1873790.4/20

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 825.479+/-0.158 χ^2/NDF:4302070.1/25

Out: 934.579+/-0.175 χ^2/NDF:3118339.4/28

All: 874.579+/-0.117 χ^2/NDF: 7634781.7/54



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2218.531+/-635.416 χ^2/NDF:19.3/10

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1263.428+/-630.161 χ^2/NDF:7.8/9

Left: 1737.015+/-447.437 χ^2/NDF: 28.2/20

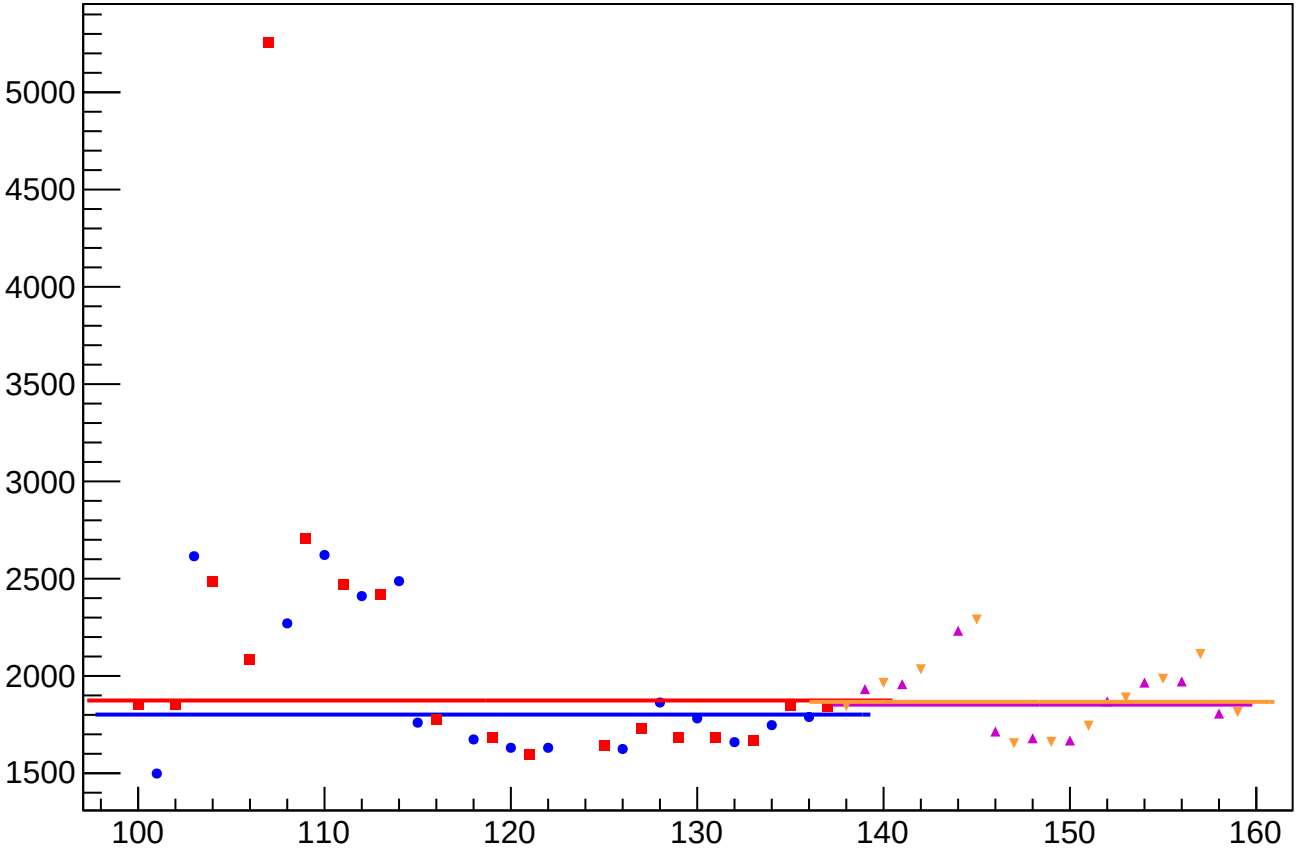
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1769.519+/-461.875 χ^2/NDF:20.2/25

Out: 2087.256+/-472.538 χ^2/NDF:42.8/28

All: 1924.762+/-330.300 χ^2/NDF: 63.3/54

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1866.907+/-0.449 χ^2/NDF:156558.3/10

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1852.732+/-0.446 χ^2/NDF:124279.9/9

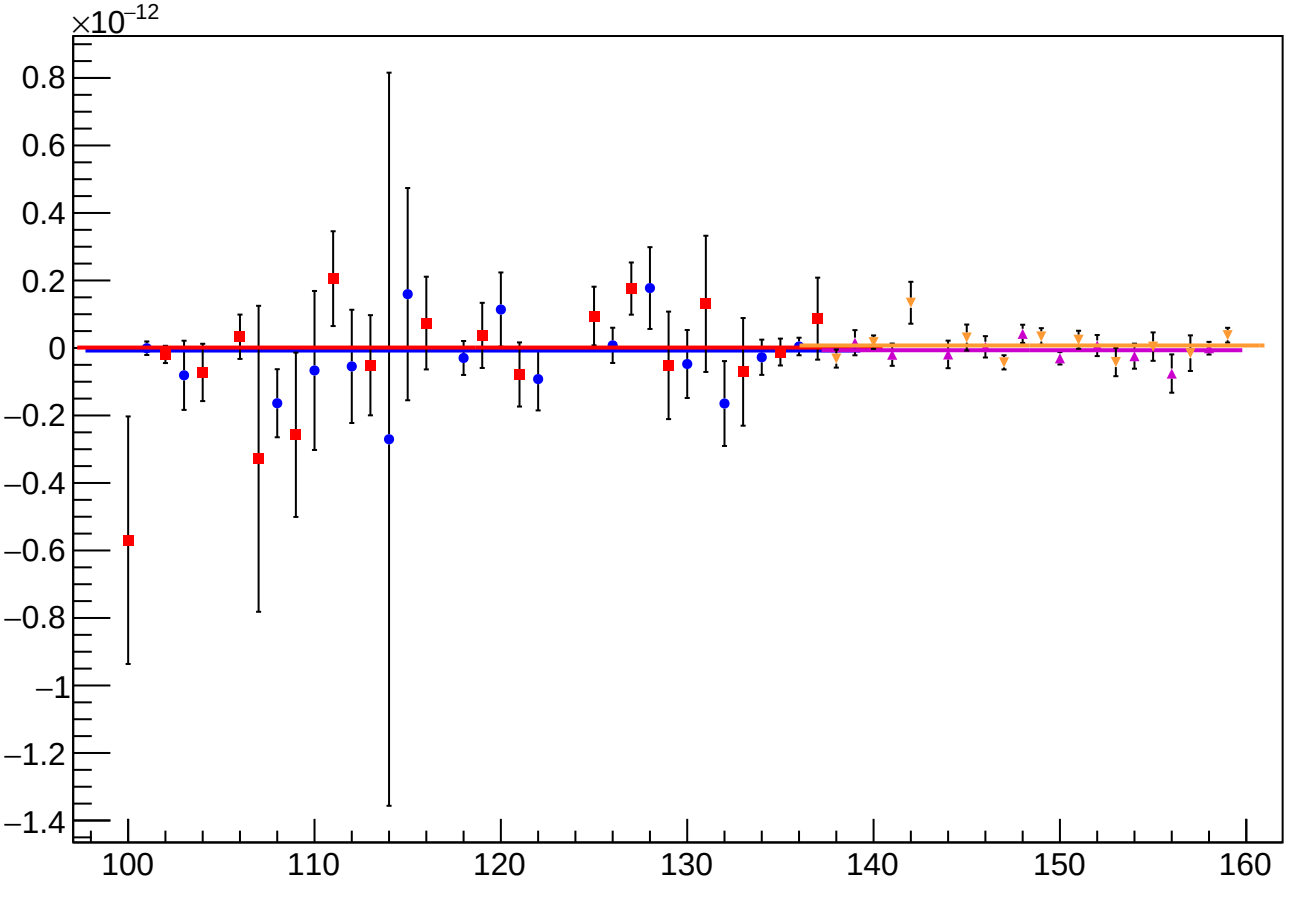
Left: 1859.761+/-0.316 χ^2/NDF: 281339.9/20

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1829.036+/-0.327 χ^2/NDF:531093.4/25

Out: 1870.067+/-0.334 χ^2/NDF:726577.9/28

All: 1849.083+/-0.234 χ^2/NDF: 1265382.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/9

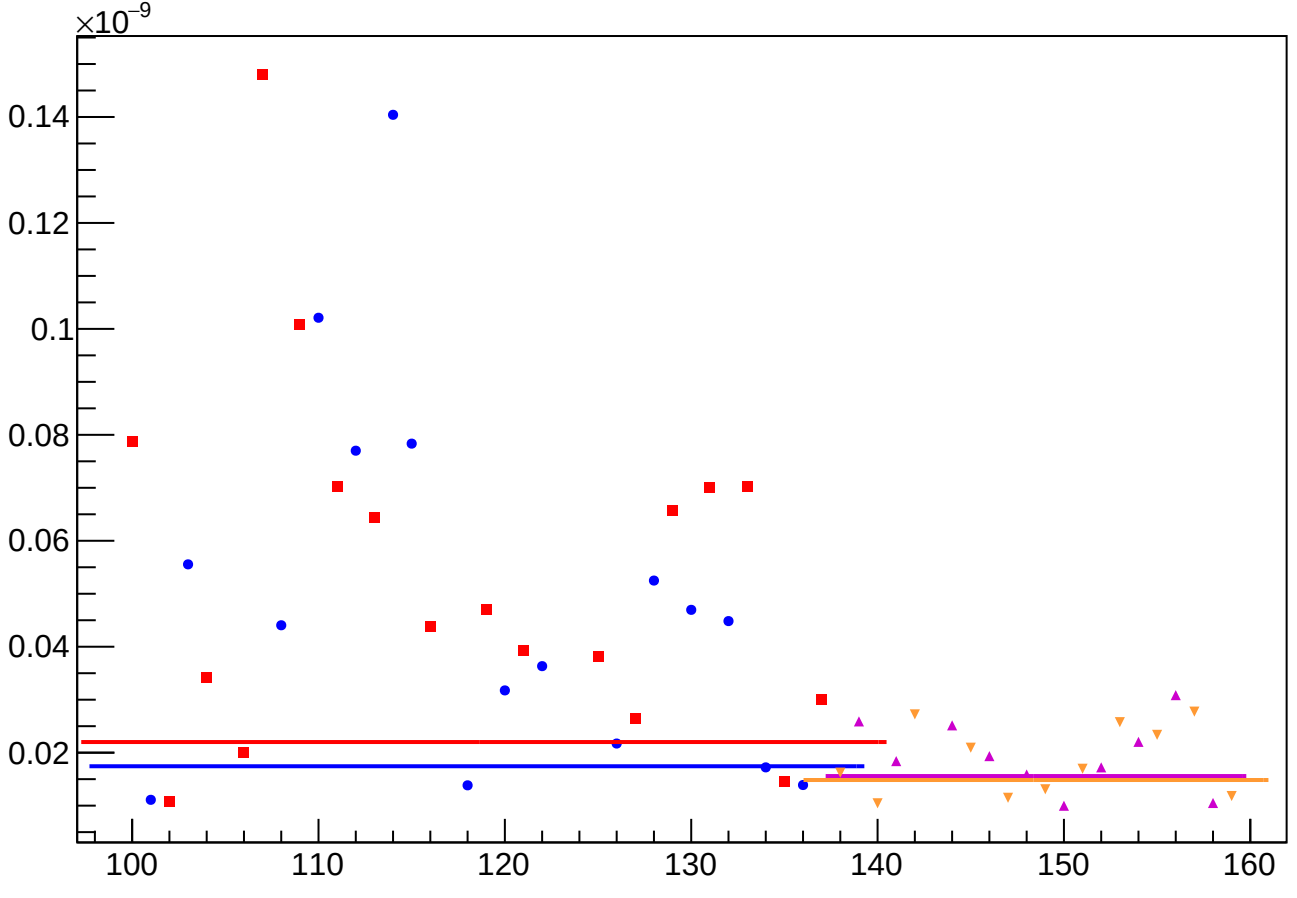
Left: 0.000+/-0.000 χ^2/NDF: 26.5/20

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:17.9/25

Out: 0.000+/-0.000 χ^2/NDF:34.3/28

All: -0.000+/-0.000 χ^2/NDF: 53.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:681141.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:849932.9/9

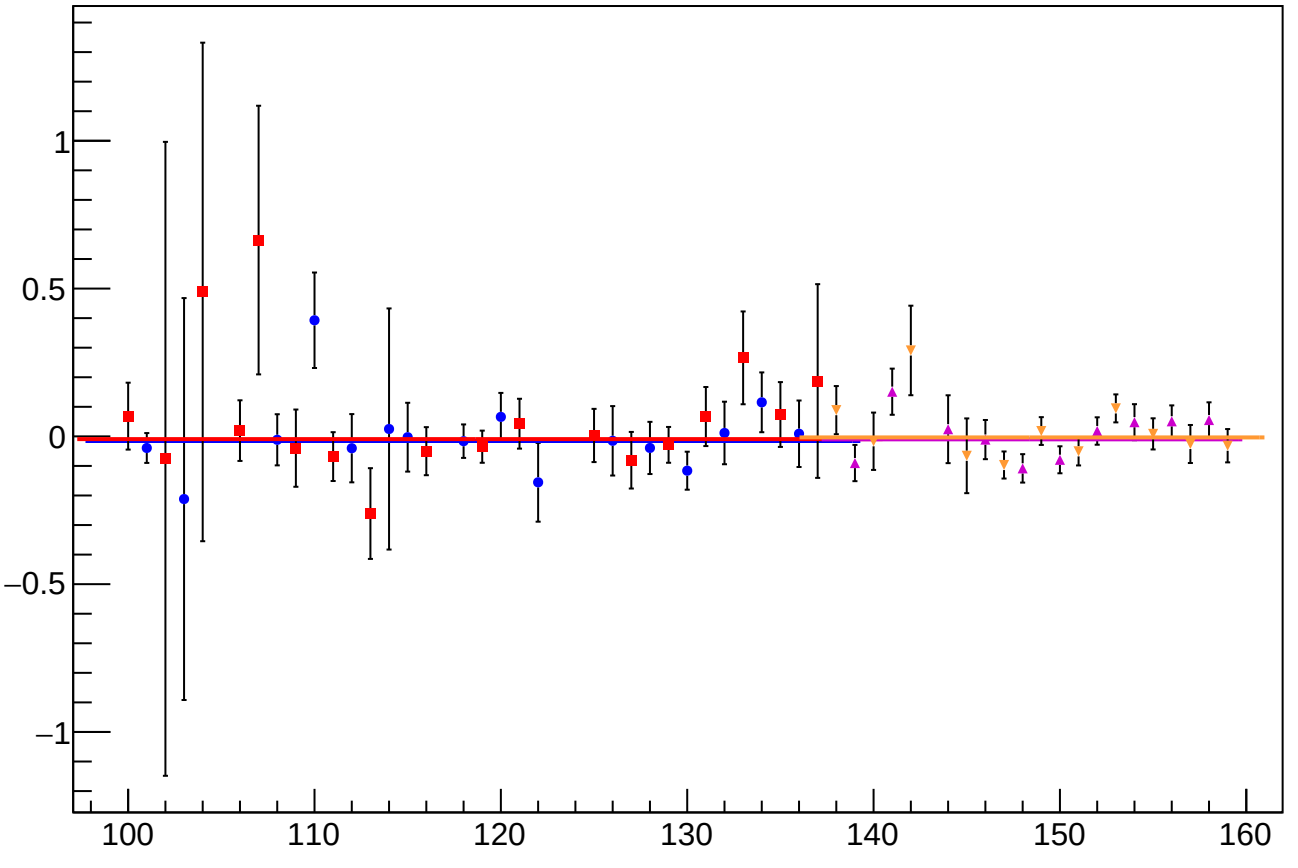
Left: 0.000+/-0.000 χ^2/NDF: 1538411.2/20

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2717050.9/25

Out: 0.000+/-0.000 χ^2/NDF:3059845.6/28

All: 0.000+/-0.000 χ^2/NDF: 5777027.8/54



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

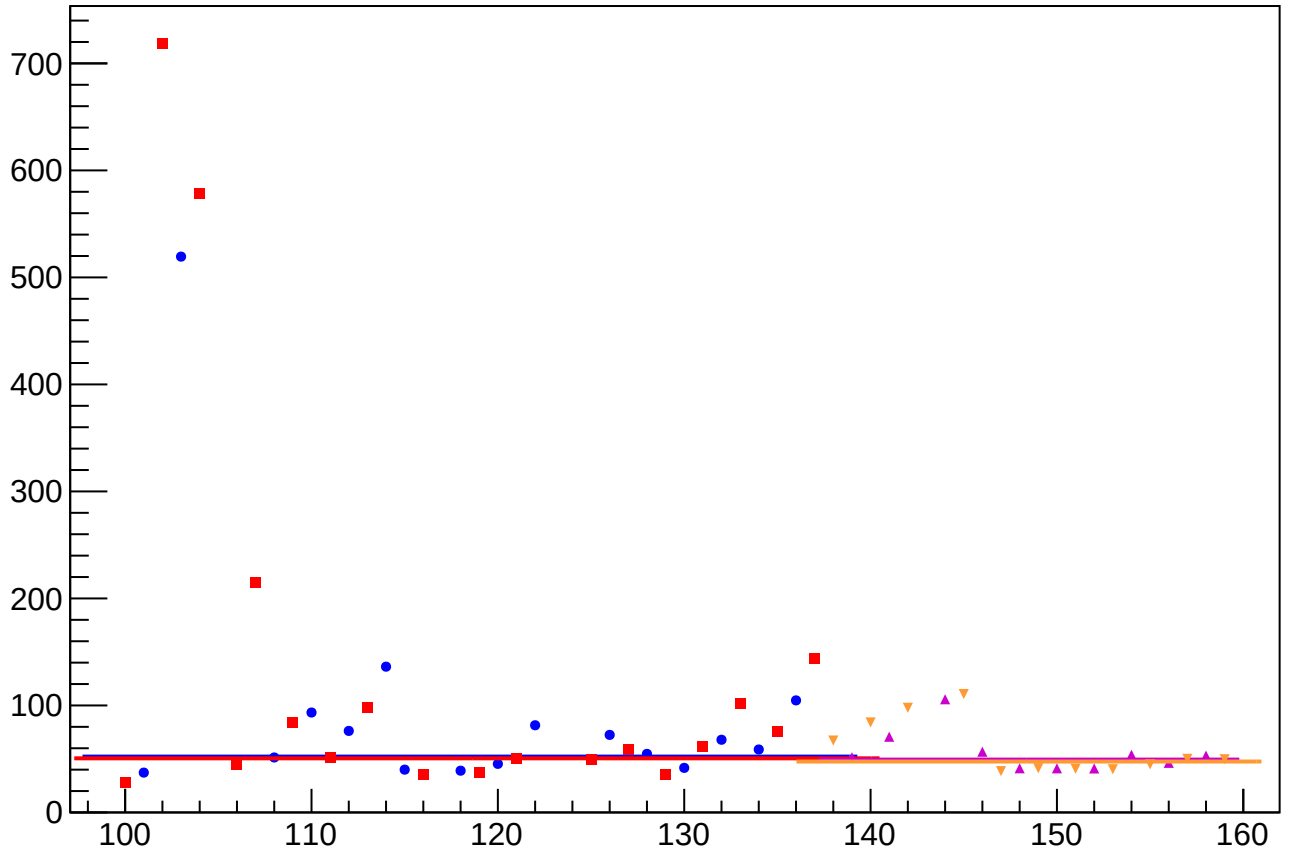
Left: -0.007+/-0.013 χ^2/NDF: 31.7/20

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/54



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.591+/-0.013 χ^2/NDF:1326752.6/10

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

Left: 48.480+/-0.009 χ^2/NDF: 2205634.1/20

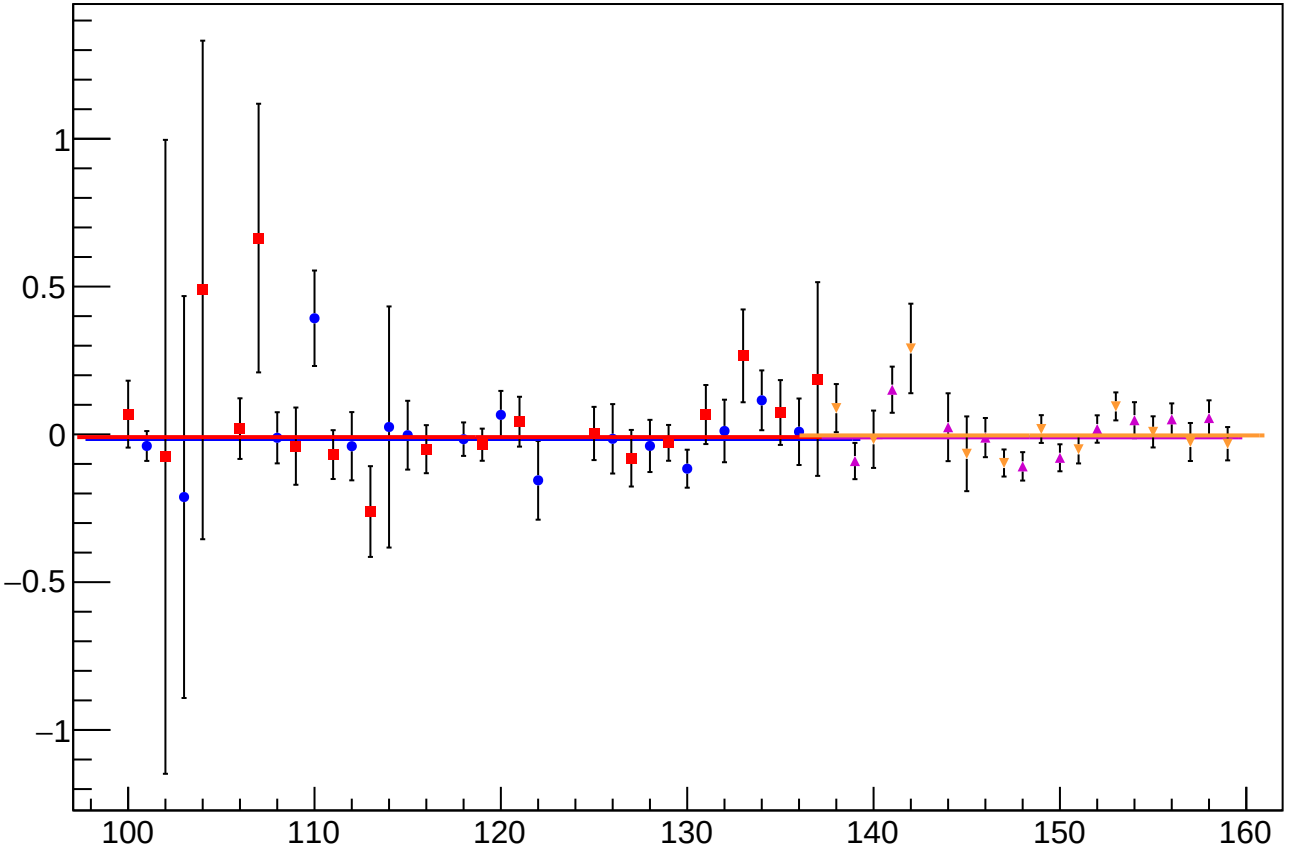
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.496+/-0.010 χ^2/NDF:3154369.1/25

Out: 48.690+/-0.010 χ^2/NDF:4398457.9/28

All: 49.599+/-0.007 χ^2/NDF: 7568881.4/54

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

Left: -0.007+/-0.013 χ^2/NDF: 31.7/20

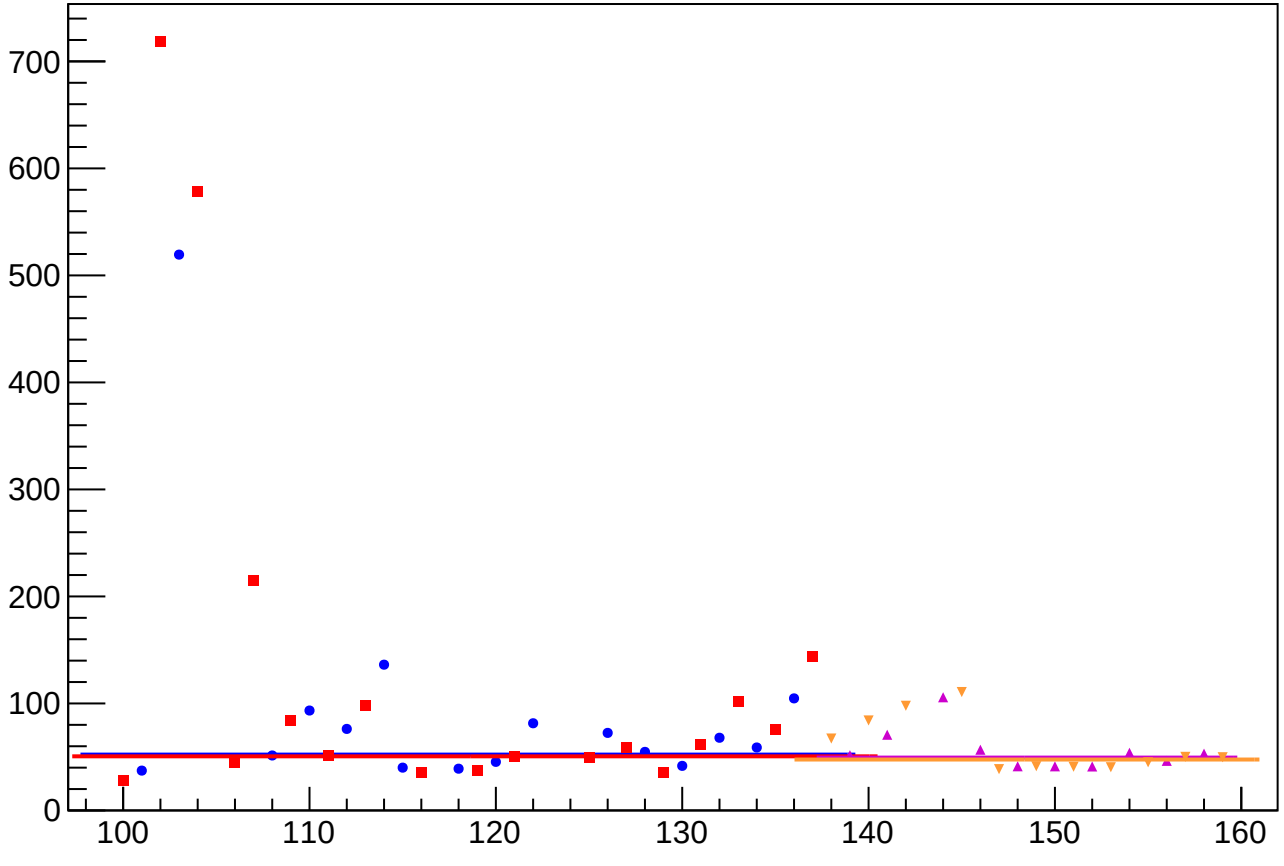
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/54

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.591+/-0.013 χ^2/NDF:1326752.6/10

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

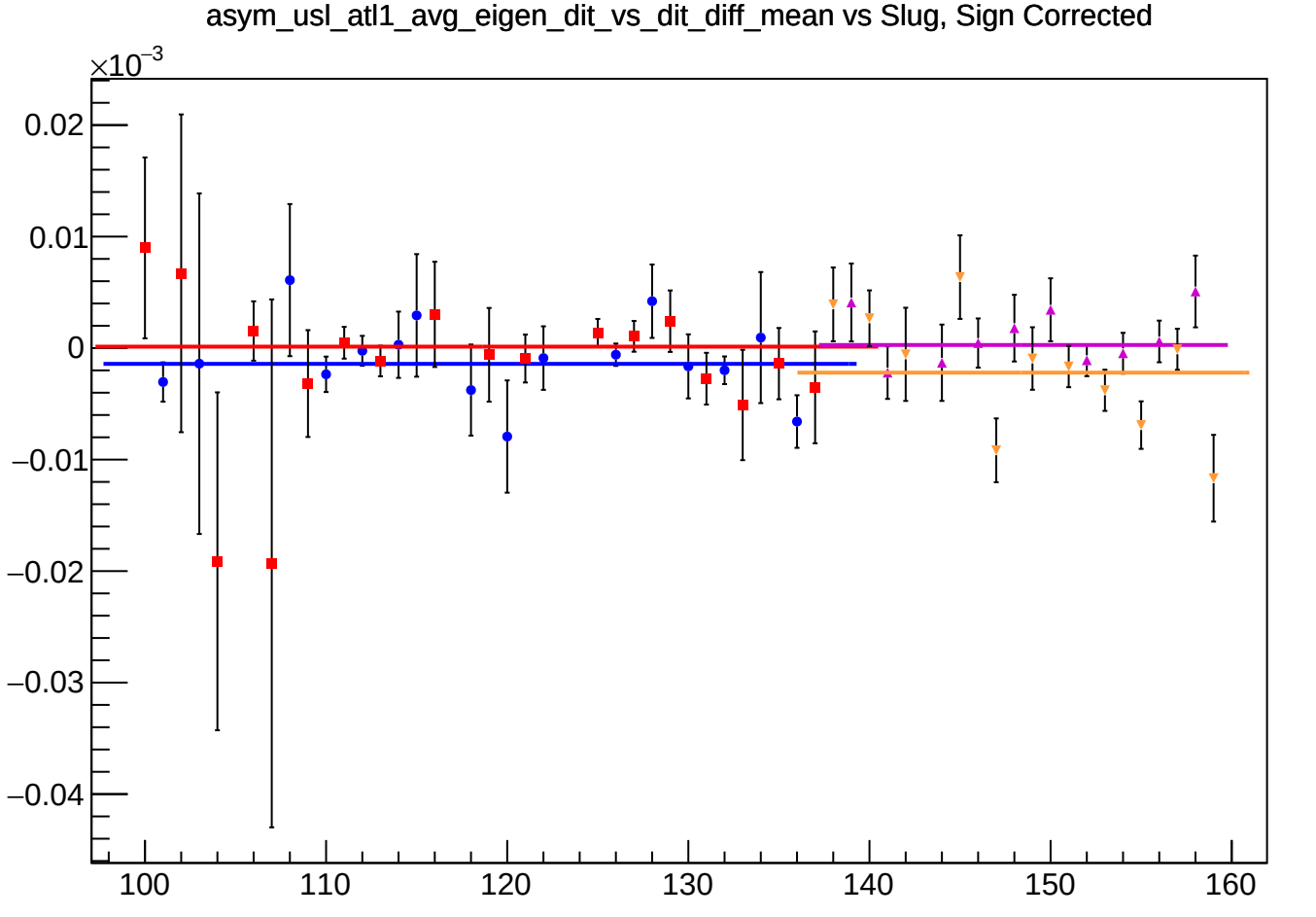
Left: 48.480+/-0.009 χ^2/NDF: 2205634.1/20

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.496+/-0.010 χ^2/NDF:3154369.1/25

Out: 48.690+/-0.010 χ^2/NDF:4398457.9/28

All: 49.599+/-0.007 χ^2/NDF: 7568881.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/9

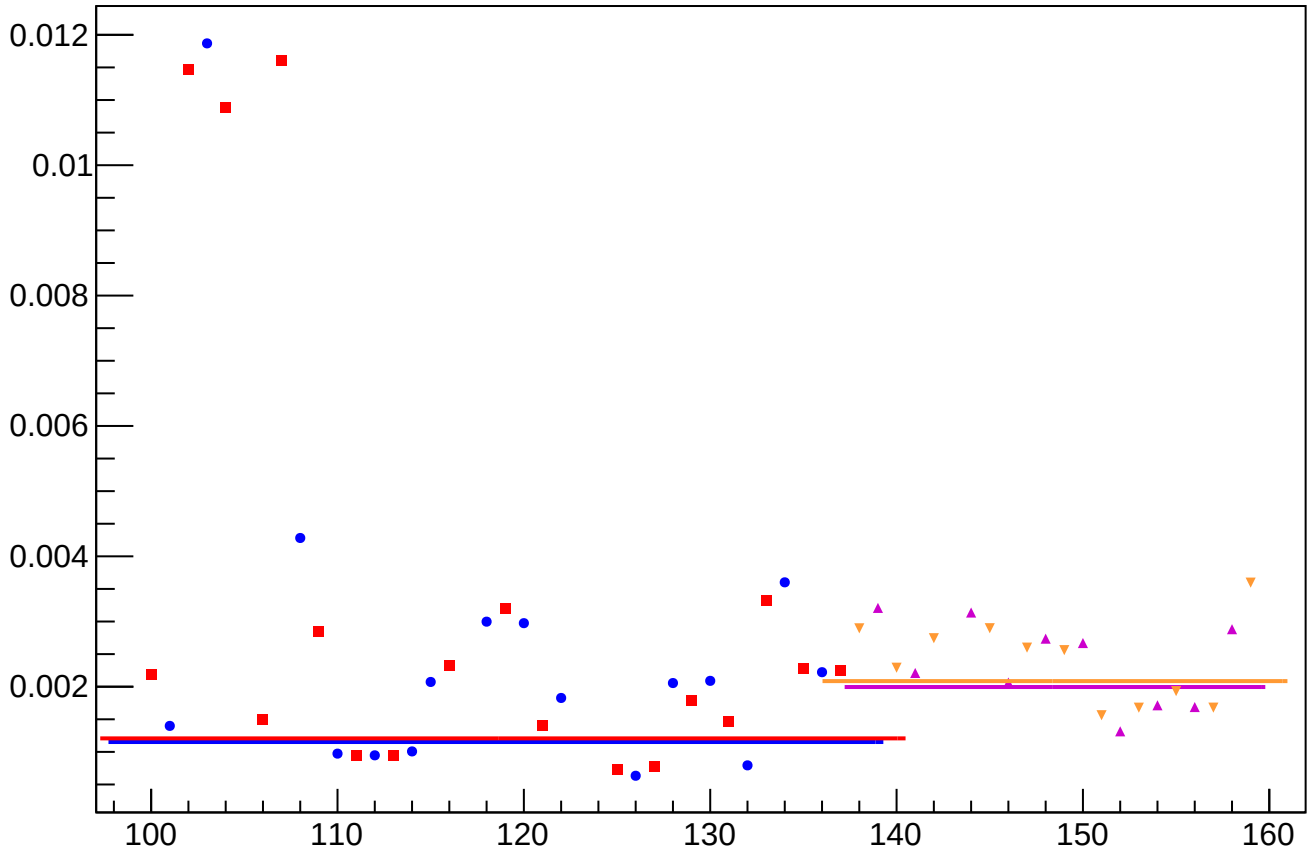
Left: -0.000+/-0.000 χ^2/NDF: 44.8/20

Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:26.0/25

Out: -0.000+/-0.000 χ^2/NDF:49.5/28

All: -0.000+/-0.000 χ^2/NDF: 75.6/54



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1065131.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1425092.6/9

Left: 0.002+/-0.000 χ^2/NDF: 2505624.4/20

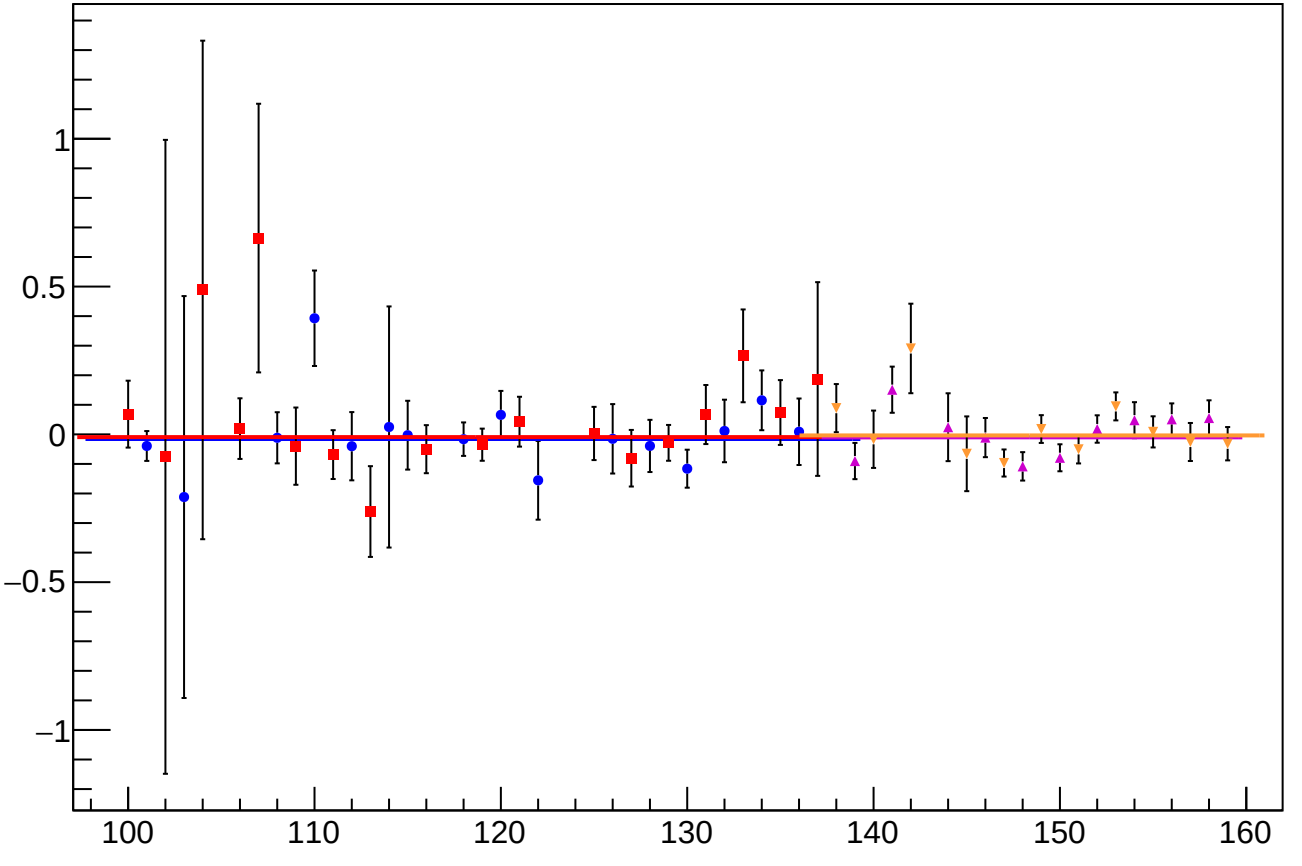
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:7444121.2/25

Out: 0.002+/-0.000 χ^2/NDF:7366200.8/28

All: 0.001+/-0.000 χ^2/NDF: 14844282.2/54

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

Left: -0.007+/-0.013 χ^2/NDF: 31.7/20

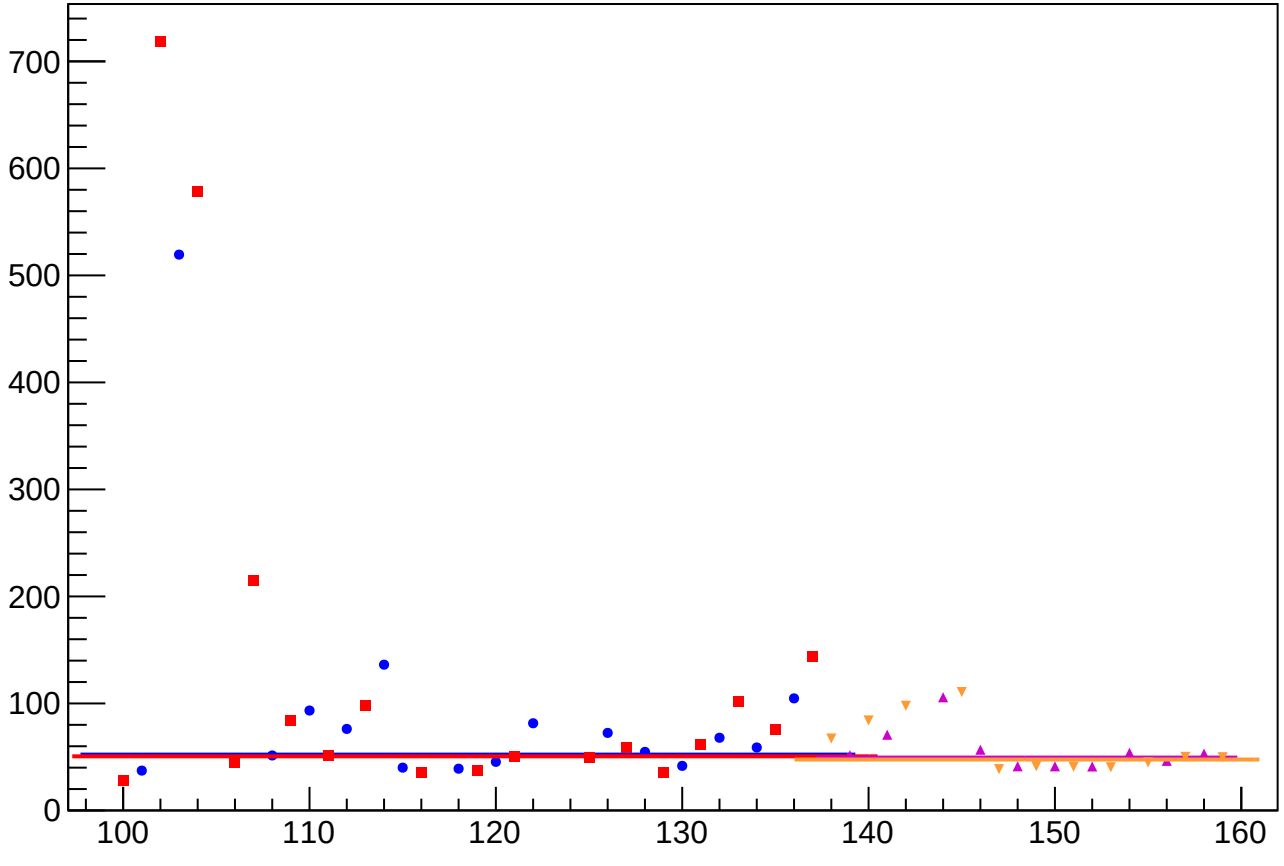
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/54

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: 47.592+/-0.013 χ^2/NDF:1326732.4/10

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

Left: 48.480+/-0.009 χ^2/NDF: 2205606.4/20

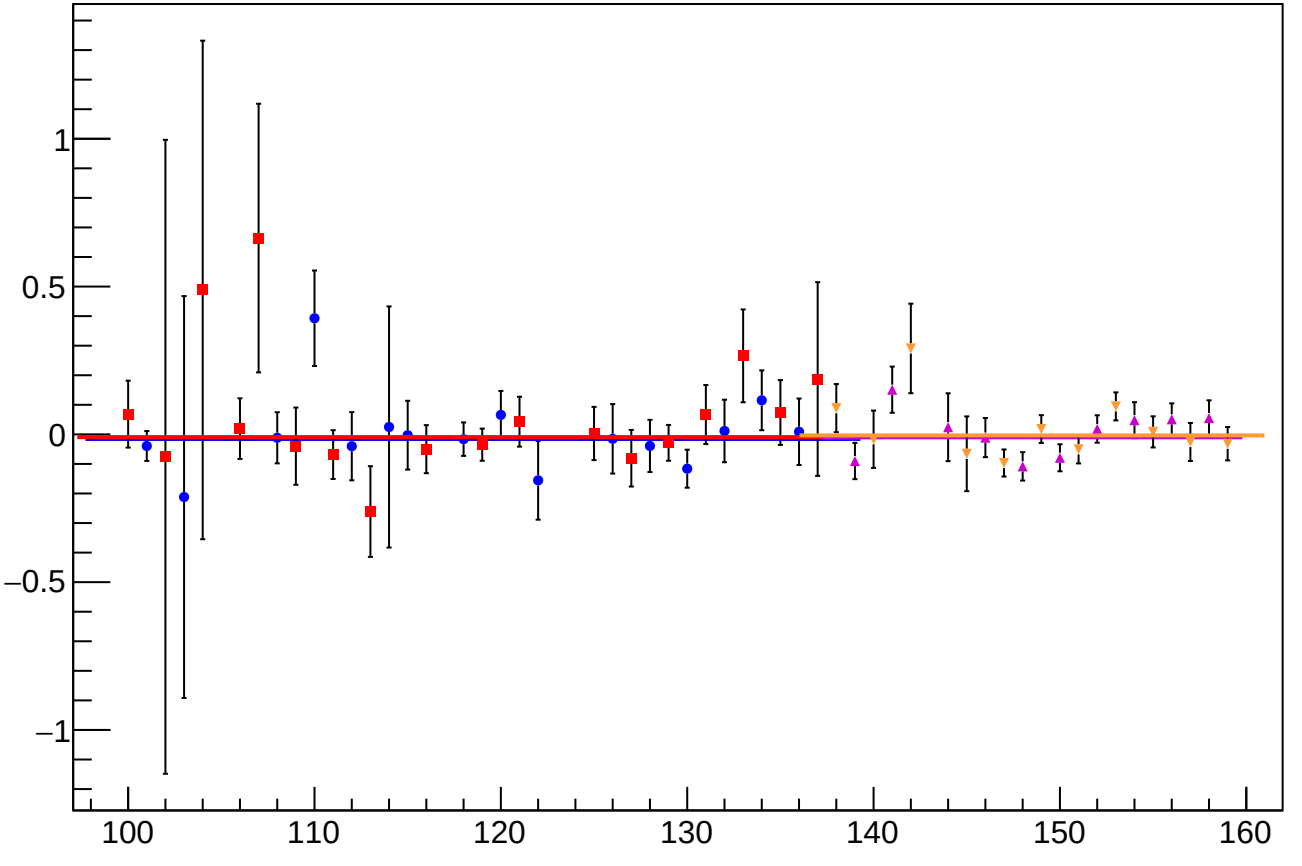
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.496+/-0.010 χ^2/NDF:3154348.8/25

Out: 48.690+/-0.010 χ^2/NDF:4398417.4/28

All: 49.599+/-0.007 χ^2/NDF: 7568822.8/54

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

Left: -0.007+/-0.013 χ^2/NDF: 31.7/20

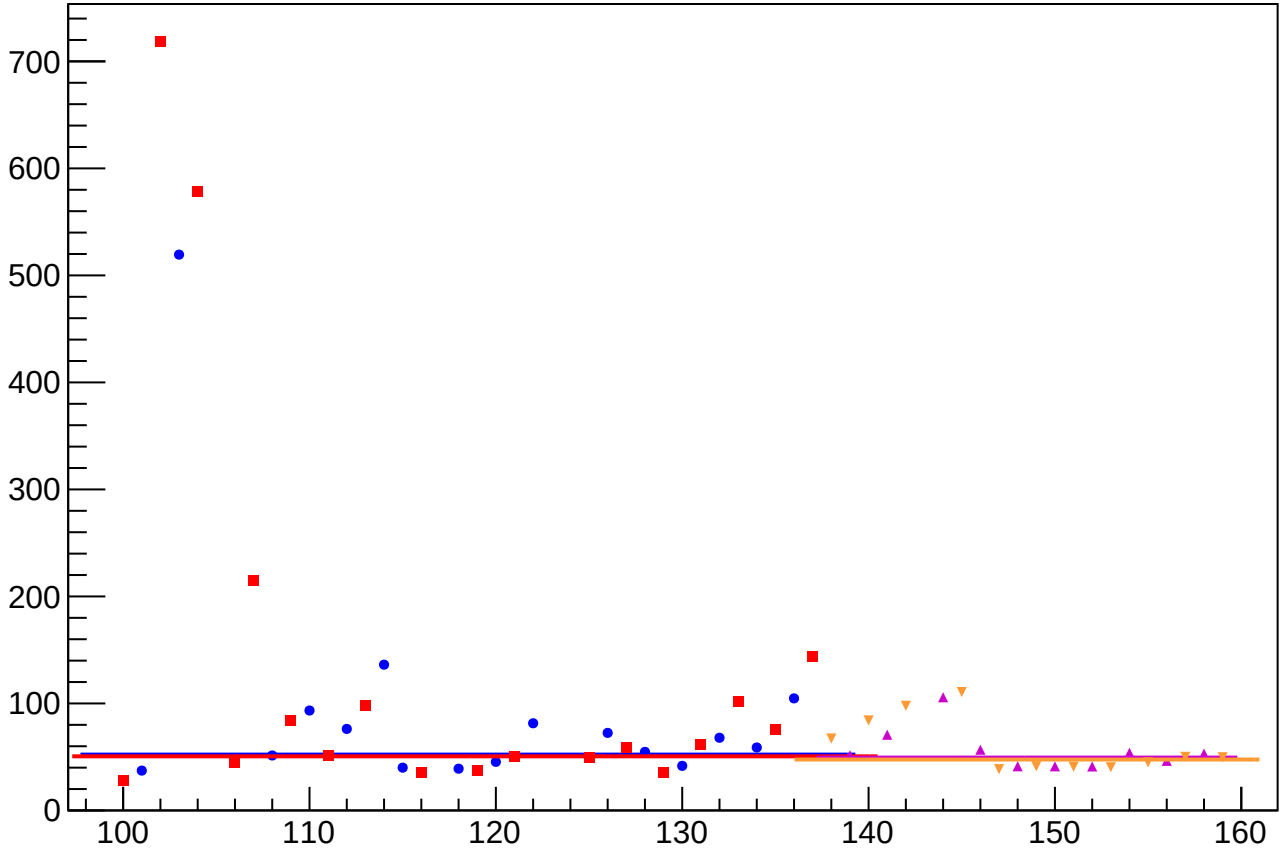
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/54

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: 47.592+/-0.013 χ^2/NDF:1326732.4/10

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

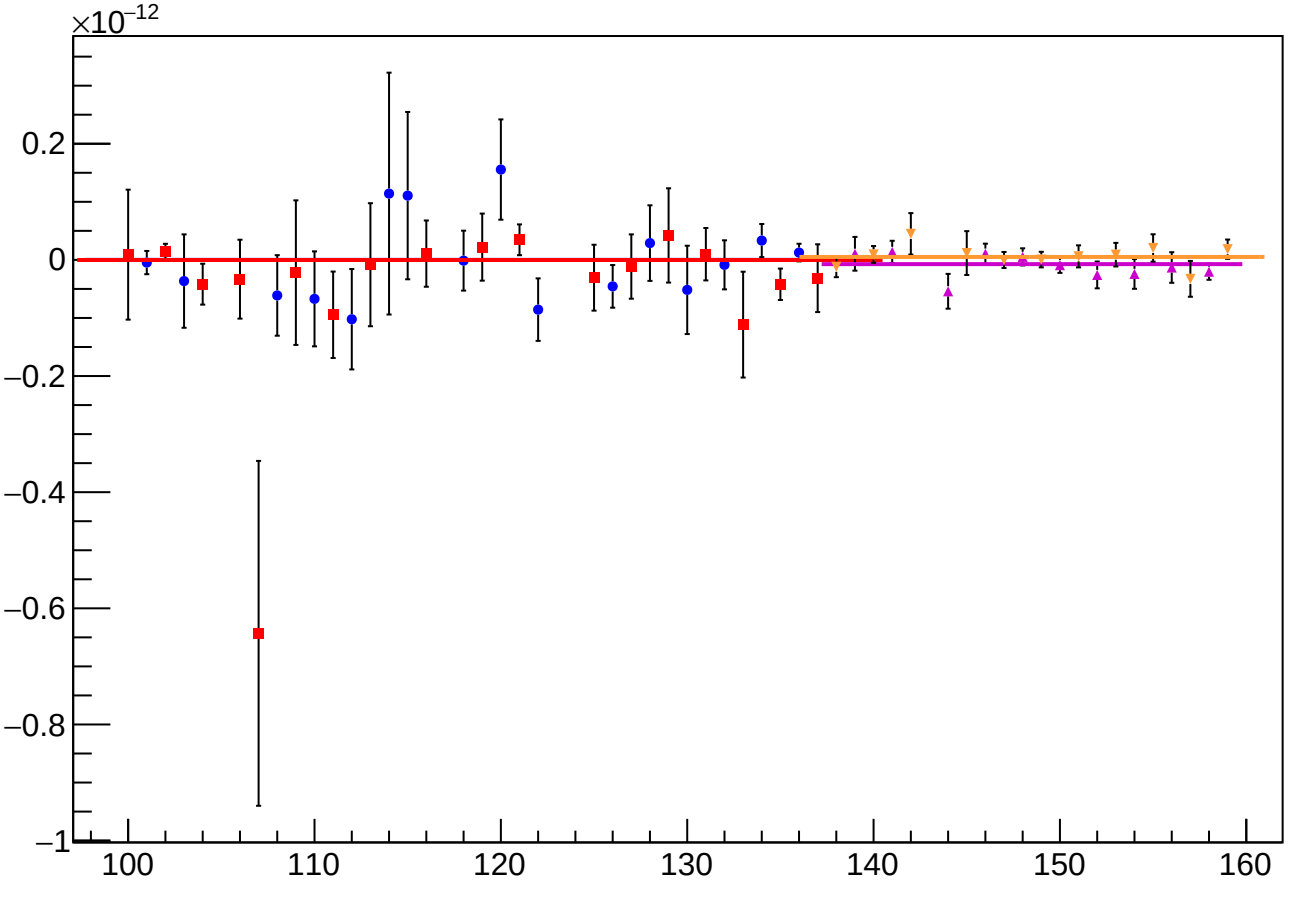
Left: 48.480+/-0.009 χ^2/NDF: 2205606.4/20

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.496+/-0.010 χ^2/NDF:3154348.8/25

Out: 48.690+/-0.010 χ^2/NDF:4398417.4/28

All: 49.599+/-0.007 χ^2/NDF: 7568822.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.8/9

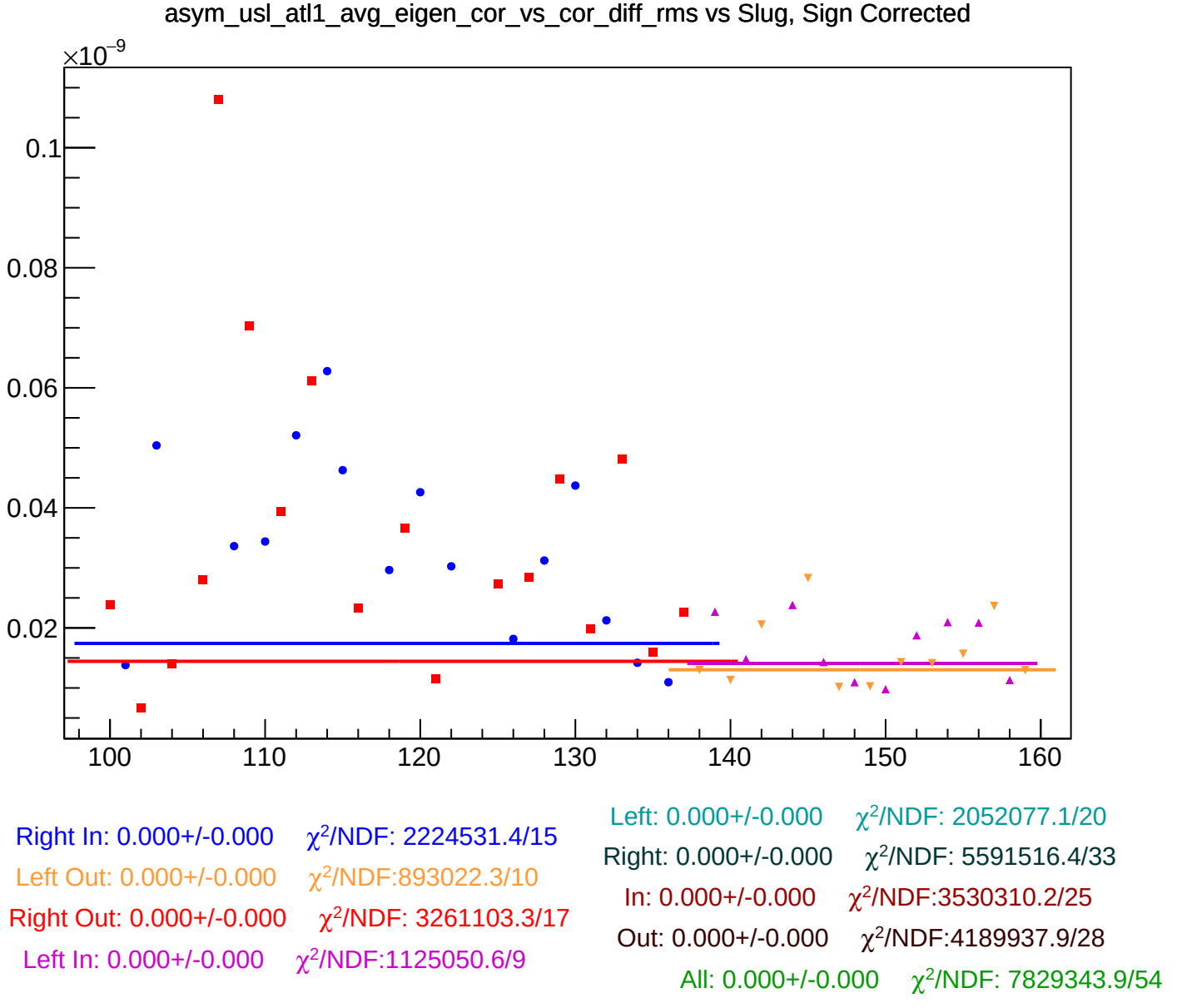
Left: -0.000+/-0.000 χ^2/NDF: 15.3/20

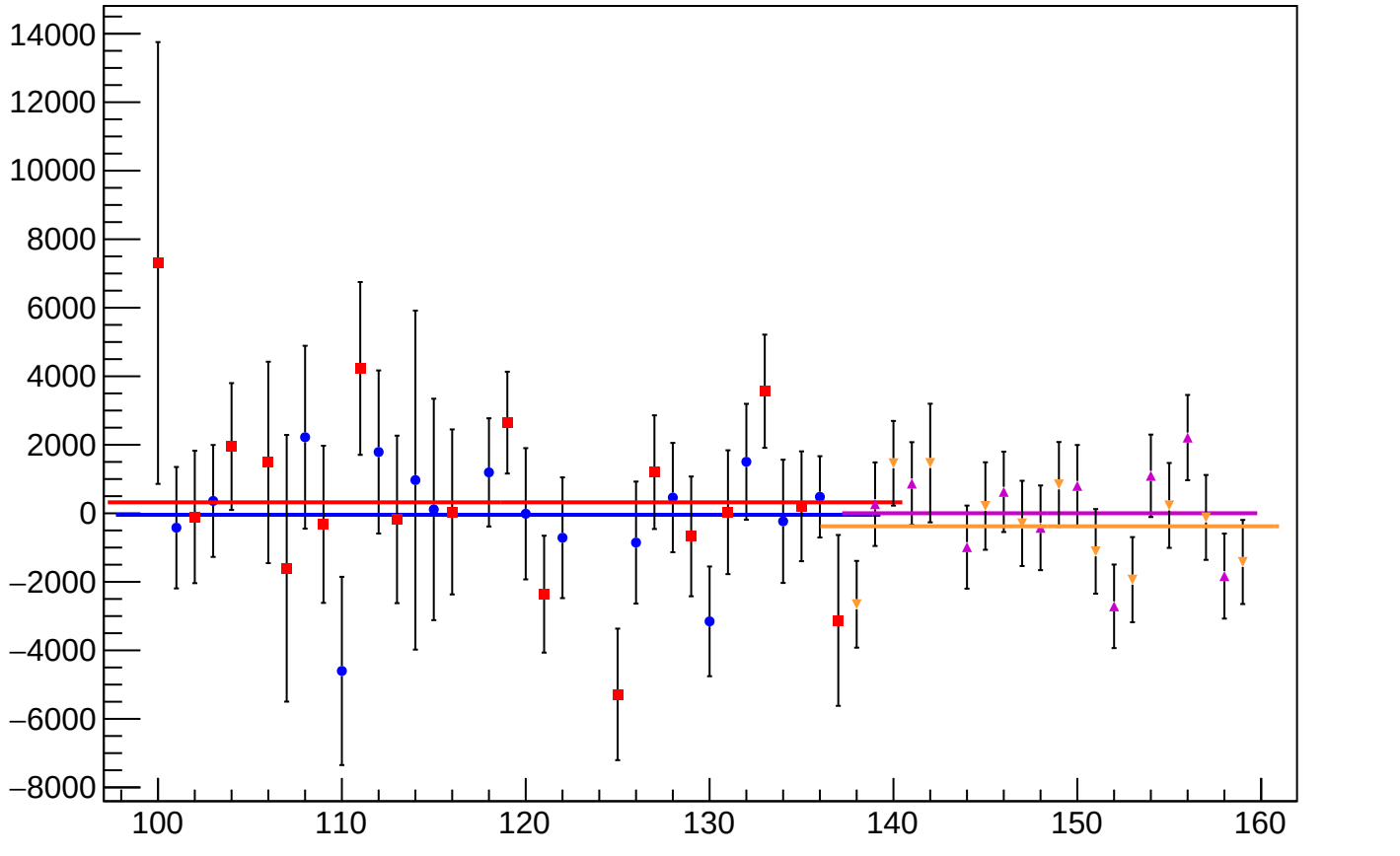
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:22.3/25

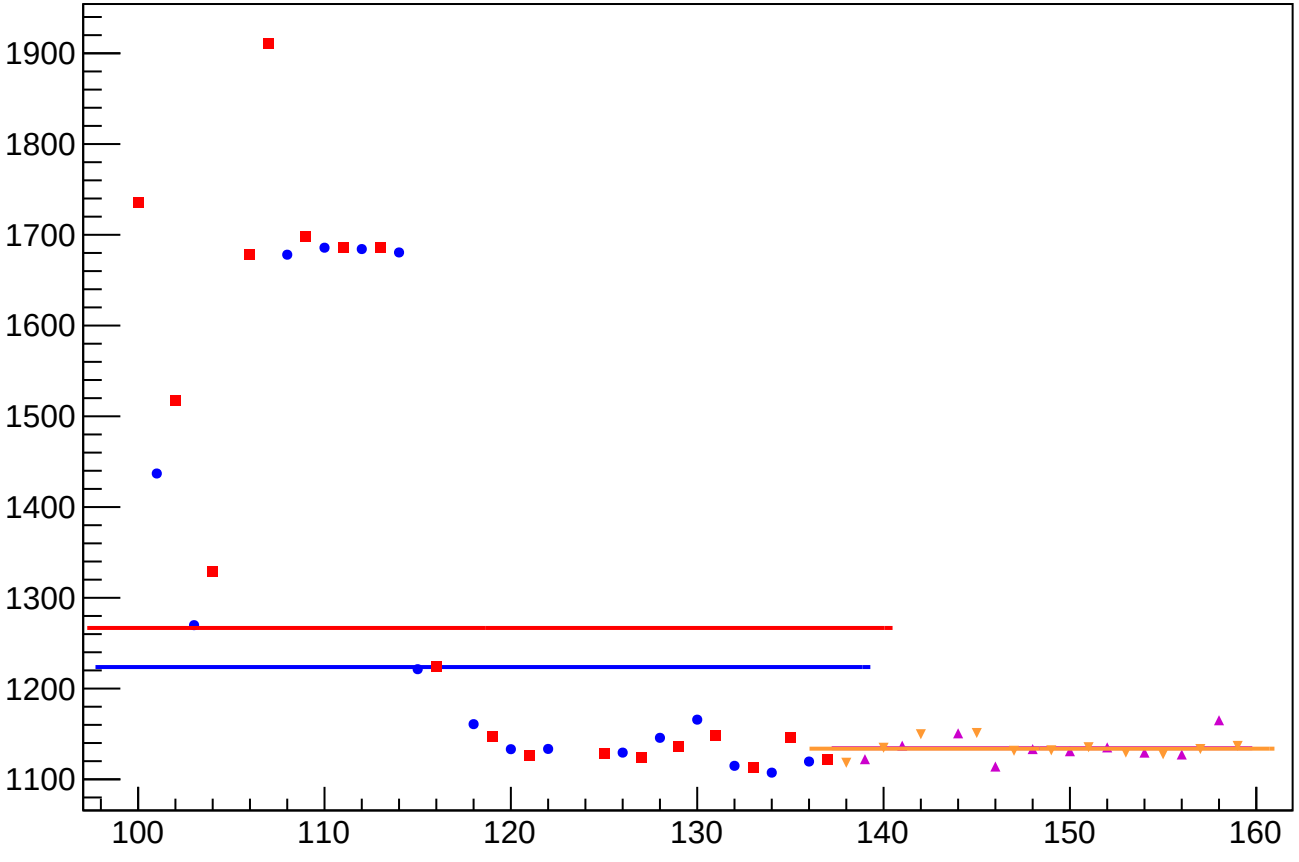
Out: 0.000+/-0.000 χ^2/NDF:21.4/28

All: -0.000+/-0.000 χ^2/NDF: 45.4/54


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:893022.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1125050.6/9
Left: 0.000+/-0.000 χ²/NDF: 2052077.1/20
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3530310.2/25
Out: 0.000+/-0.000 χ²/NDF:4189937.9/28
All: 0.000+/-0.000 χ²/NDF: 7829343.9/54


reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -43.681+/-459.222 χ²/NDF: 10.1/15
Left Out: -378.820+/-383.657 χ²/NDF:10.7/10
Right Out: 321.266+/-474.939 χ²/NDF: 24.8/17
Left In: 1.556+/-384.041 χ²/NDF:13.2/9
Left: -188.823+/-271.422 χ²/NDF: 24.4/20
Right: 132.654+/-330.136 χ²/NDF: 35.2/33
In: -17.062+/-294.600 χ²/NDF:23.3/25
Out: -102.375+/-298.447 χ²/NDF:36.8/28
All: -59.165+/-209.661 χ²/NDF: 60.2/54

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.773+/-0.271 χ^2/NDF:936.4/10

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

Left: 1134.040+/-0.192 χ^2/NDF: 3450.6/20

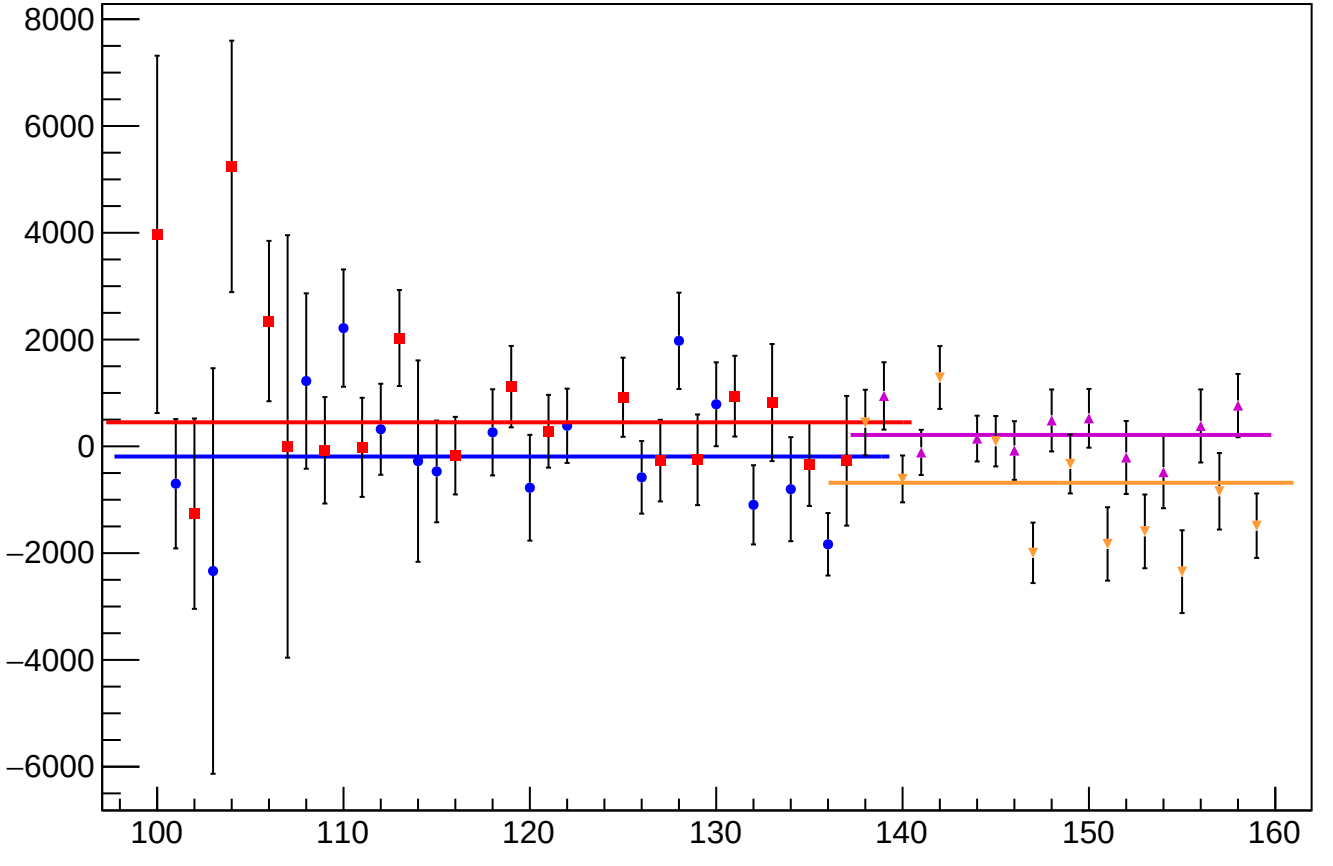
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1171.099+/-0.208 χ^2/NDF:342079.7/25

Out: 1186.294+/-0.211 χ^2/NDF:528699.2/28

All: 1178.598+/-0.148 χ^2/NDF: 873404.7/54

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: -682.650+/-176.280 χ^2/NDF:34.1/10

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 213.889+/-175.569 χ^2/NDF:5.1/9

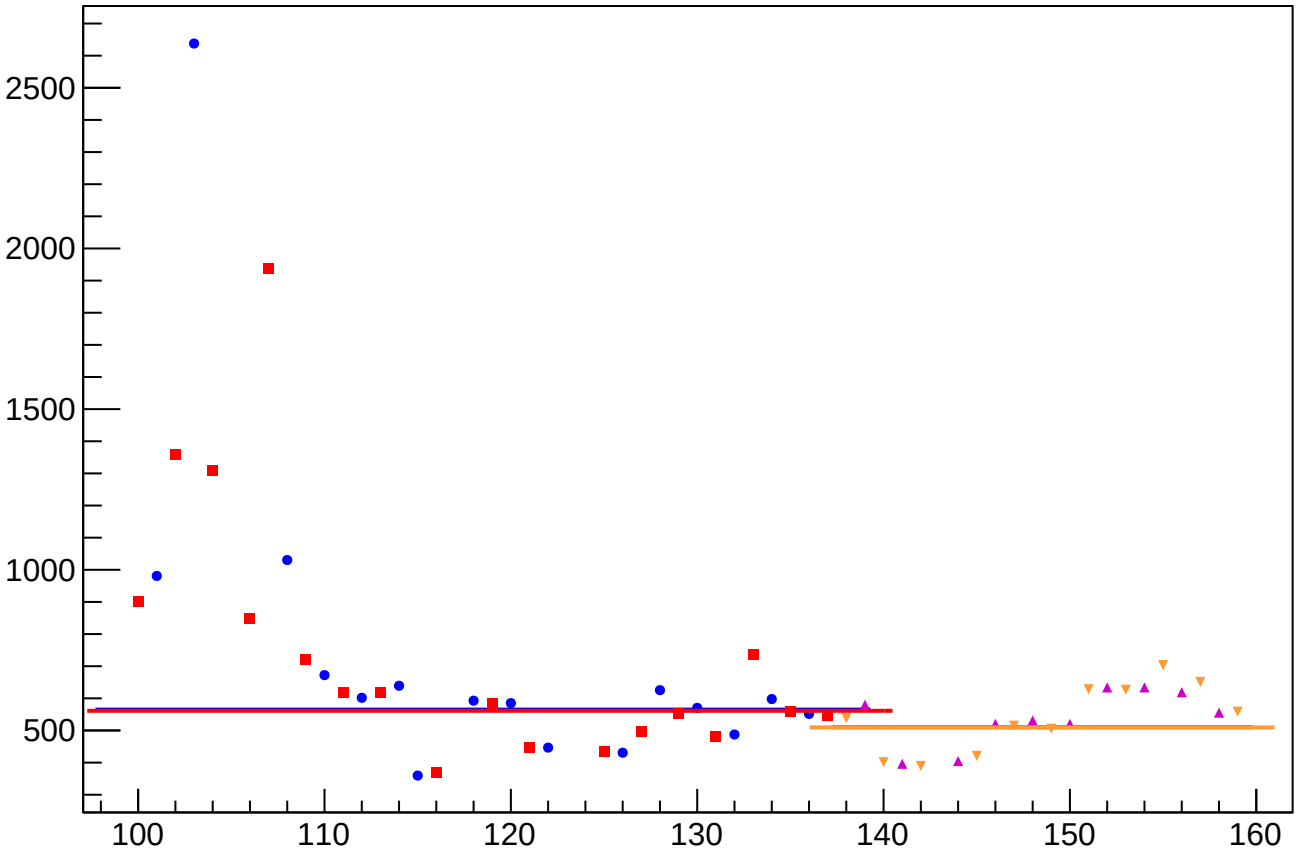
Left: -232.567+/-124.397 χ^2/NDF: 52.2/20

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 58.983+/-137.915 χ^2/NDF:32.4/25

Out: -247.612+/-138.339 χ^2/NDF:66.7/28

All: -93.844+/-97.670 χ^2/NDF: 101.6/54



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 509.528+/-0.125 χ^2/NDF:613468.8/10

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 510.066+/-0.124 χ^2/NDF:489172.4/9

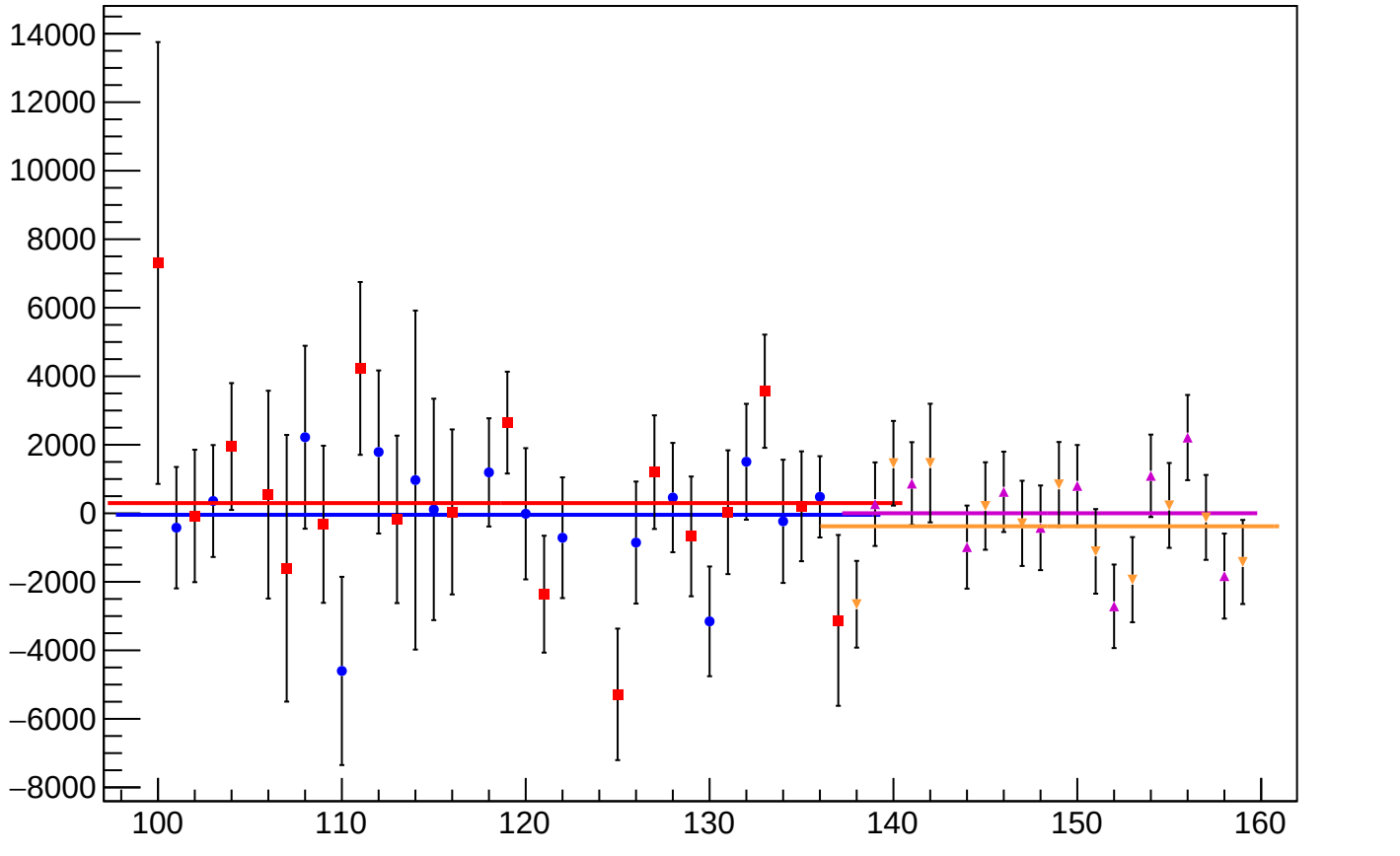
Left: 509.798+/-0.088 χ^2/NDF: 1102650.5/20

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 531.087+/-0.098 χ^2/NDF:1848517.2/25

Out: 529.394+/-0.098 χ^2/NDF:2031830.8/28

All: 530.243+/-0.069 χ^2/NDF: 3880498.2/54



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -378.753+/-383.657 χ^2/NDF:10.7/10

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 1.517+/-384.041 χ^2/NDF:13.2/9

Left: -188.808+/-271.422 χ^2/NDF: 24.4/20

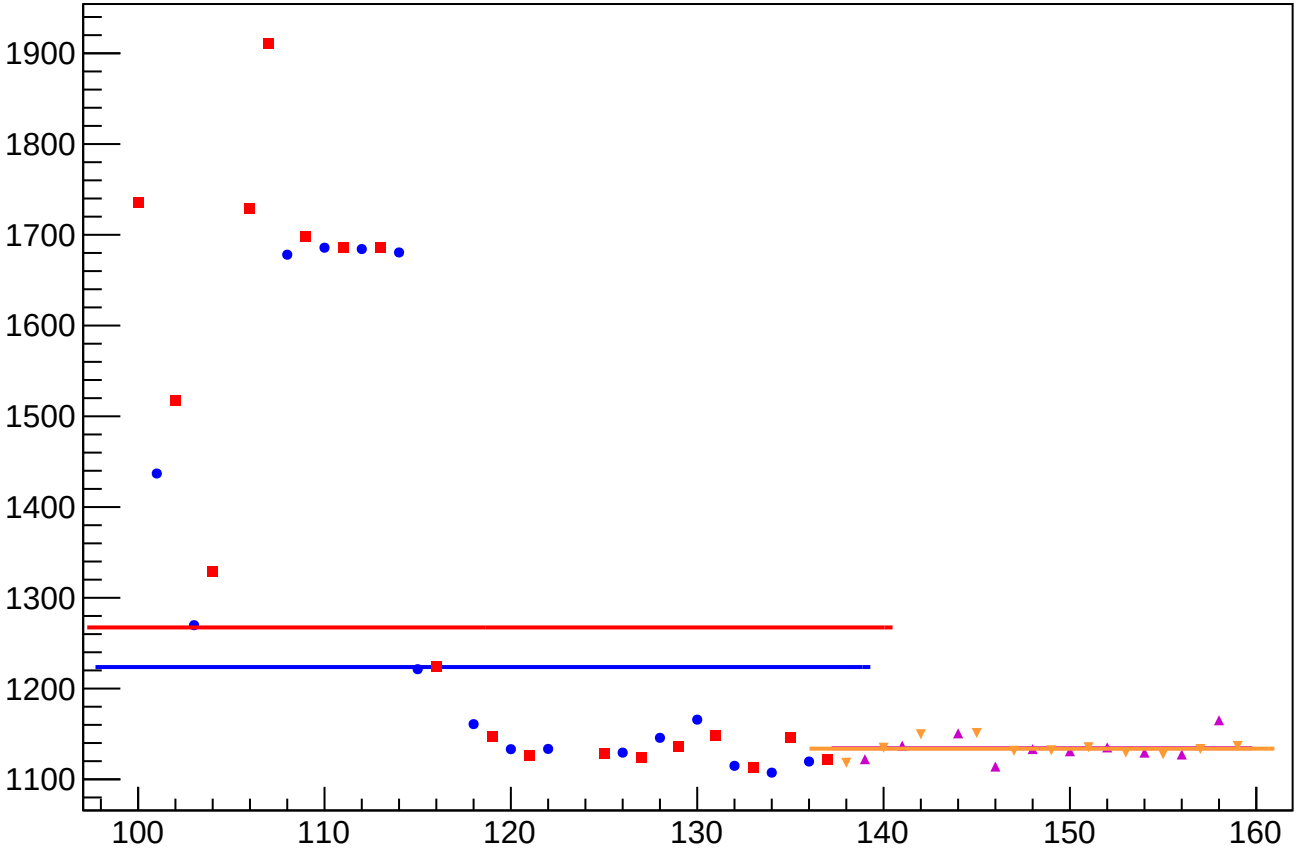
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -17.184+/-294.600 χ^2/NDF:23.3/25

Out: -111.695+/-298.540 χ^2/NDF:36.6/28

All: -63.812+/-209.693 χ^2/NDF: 59.9/54

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.773+/-0.271 χ^2/NDF:936.4/10

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

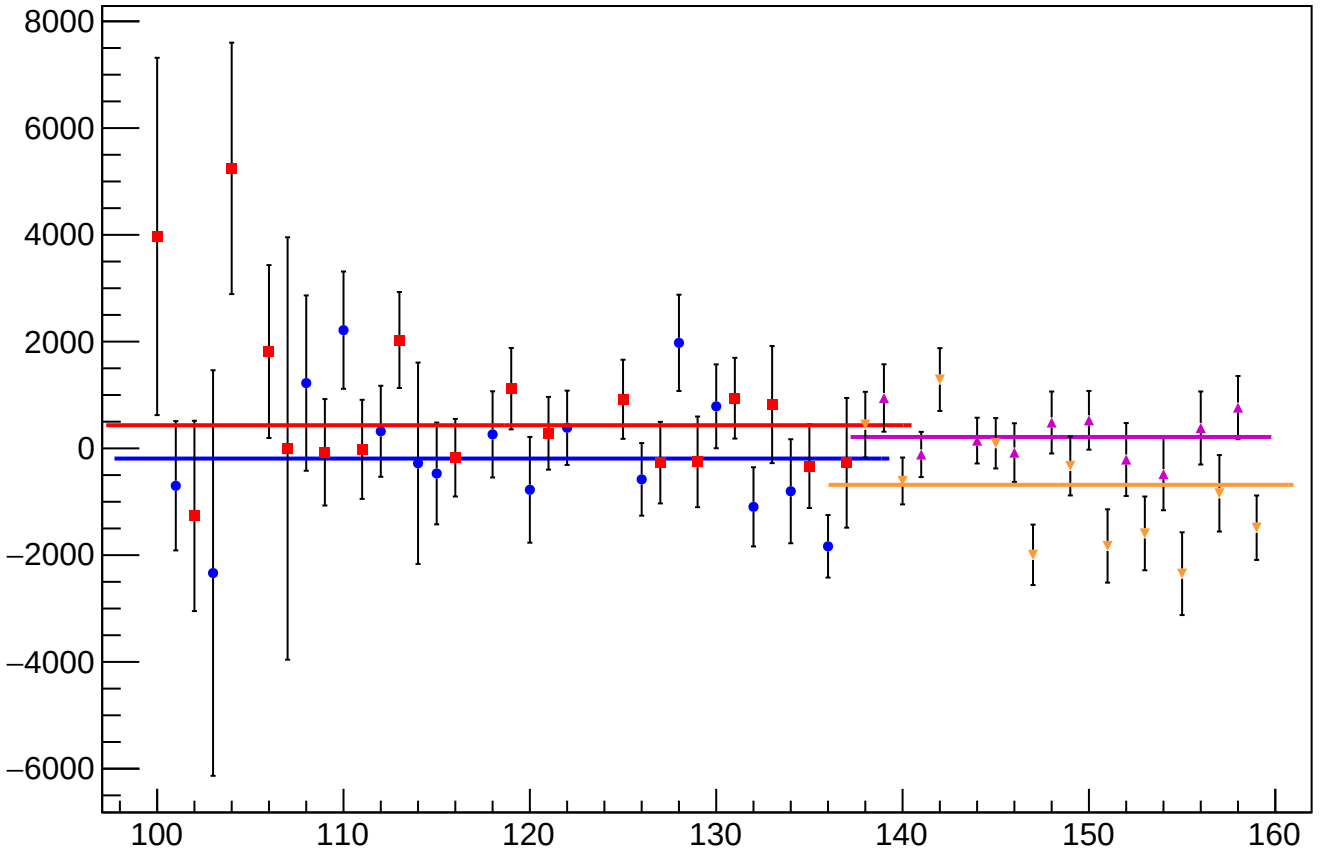
Left: 1134.040+/-0.192 χ^2/NDF: 3450.6/20

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1171.099+/-0.208 χ^2/NDF:342079.8/25

Out: 1186.474+/-0.211 χ^2/NDF:536579.1/28

All: 1178.684+/-0.148 χ^2/NDF: 881346.4/54



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -682.635+/-176.280 χ^2/NDF:34.1/10

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 213.865+/-175.569 χ^2/NDF:5.2/9

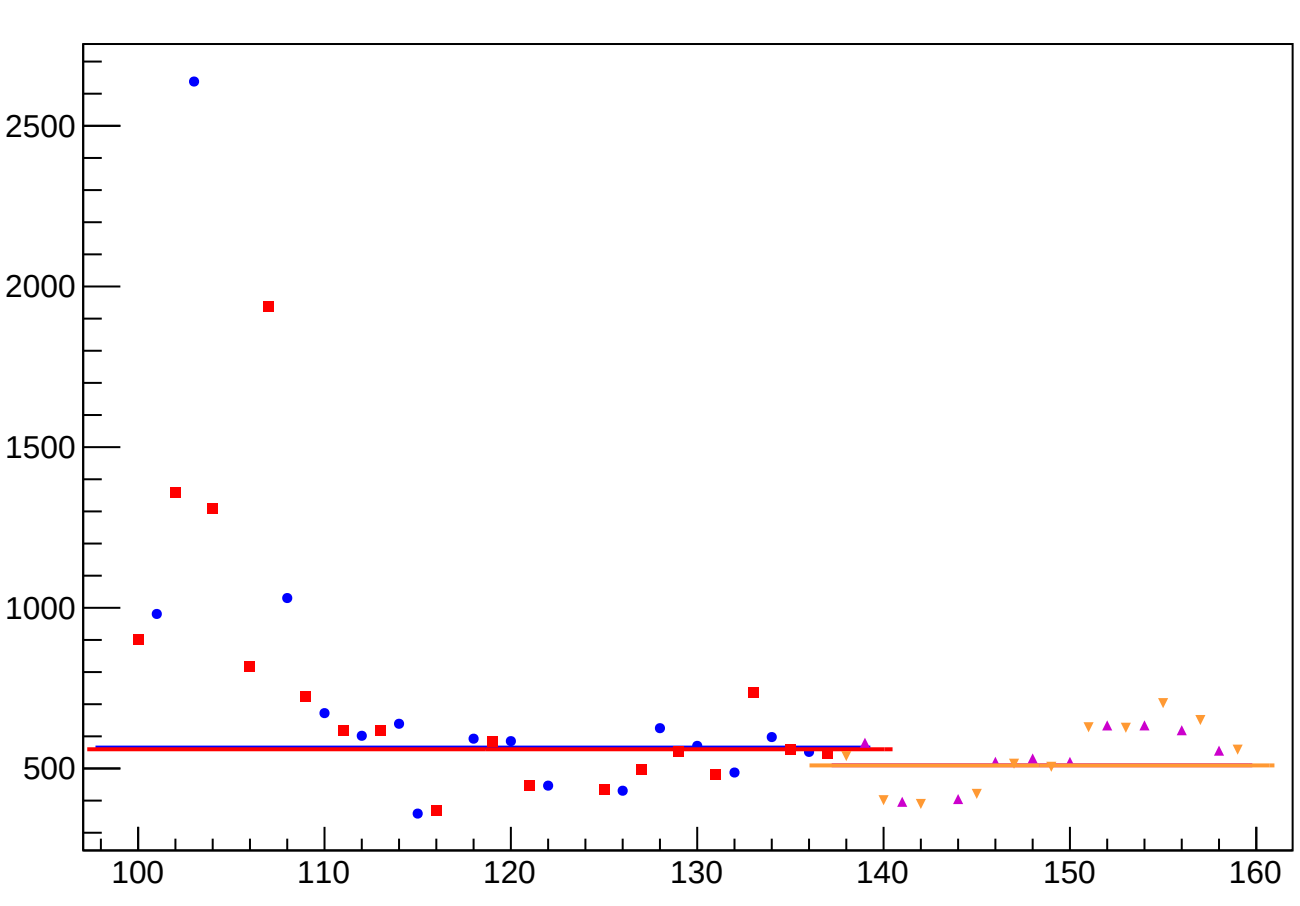
Left: -232.575+/-124.396 χ^2/NDF: 52.2/20

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 58.962+/-137.915 χ^2/NDF:32.4/25

Out: -254.554+/-138.421 χ^2/NDF:65.4/28

All: -97.222+/-97.699 χ^2/NDF: 100.4/54



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 509.526+/-0.125 χ^2/NDF:613446.8/10

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

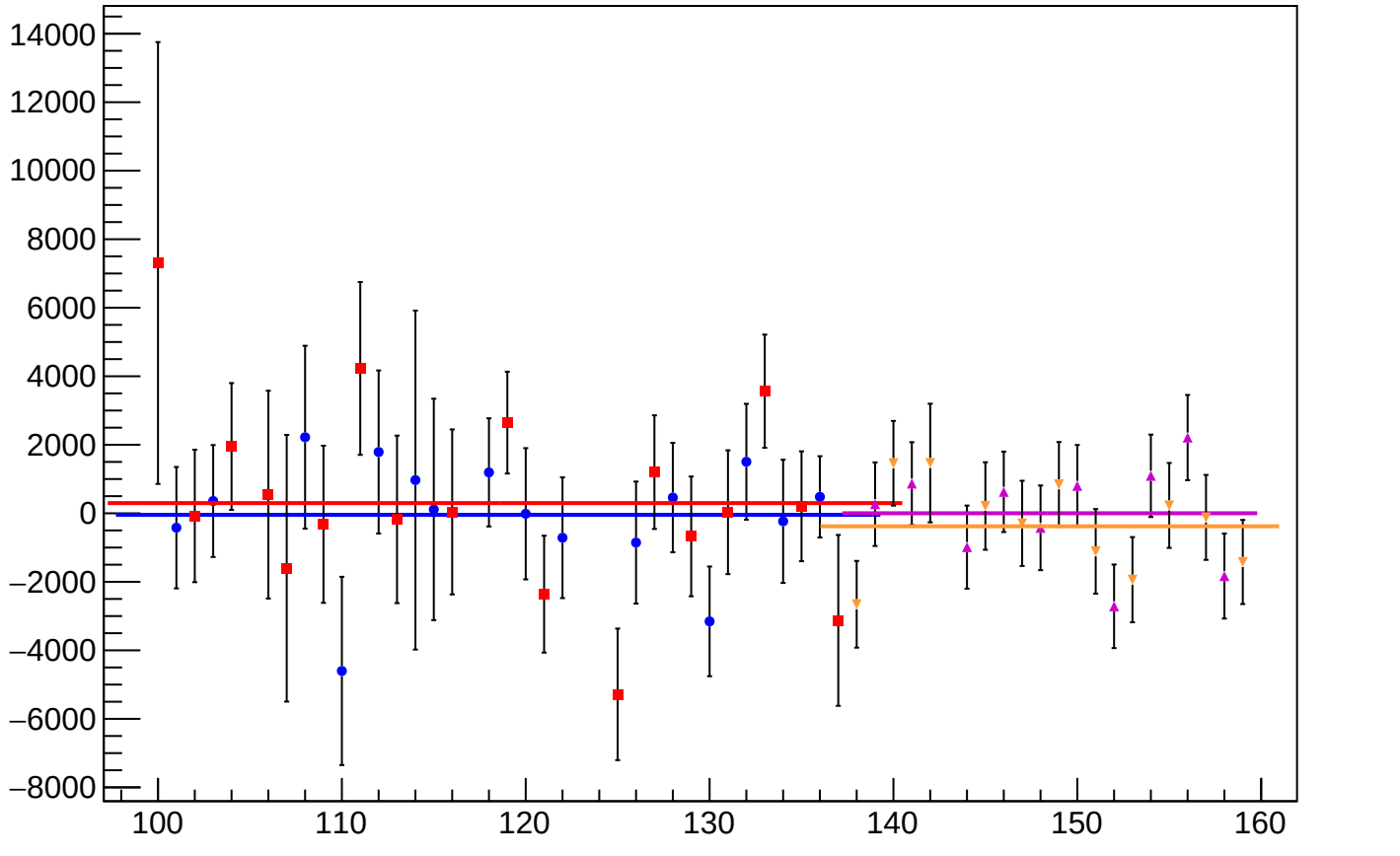
Left: 509.798+/-0.088 χ^2/NDF: 1102598.7/20

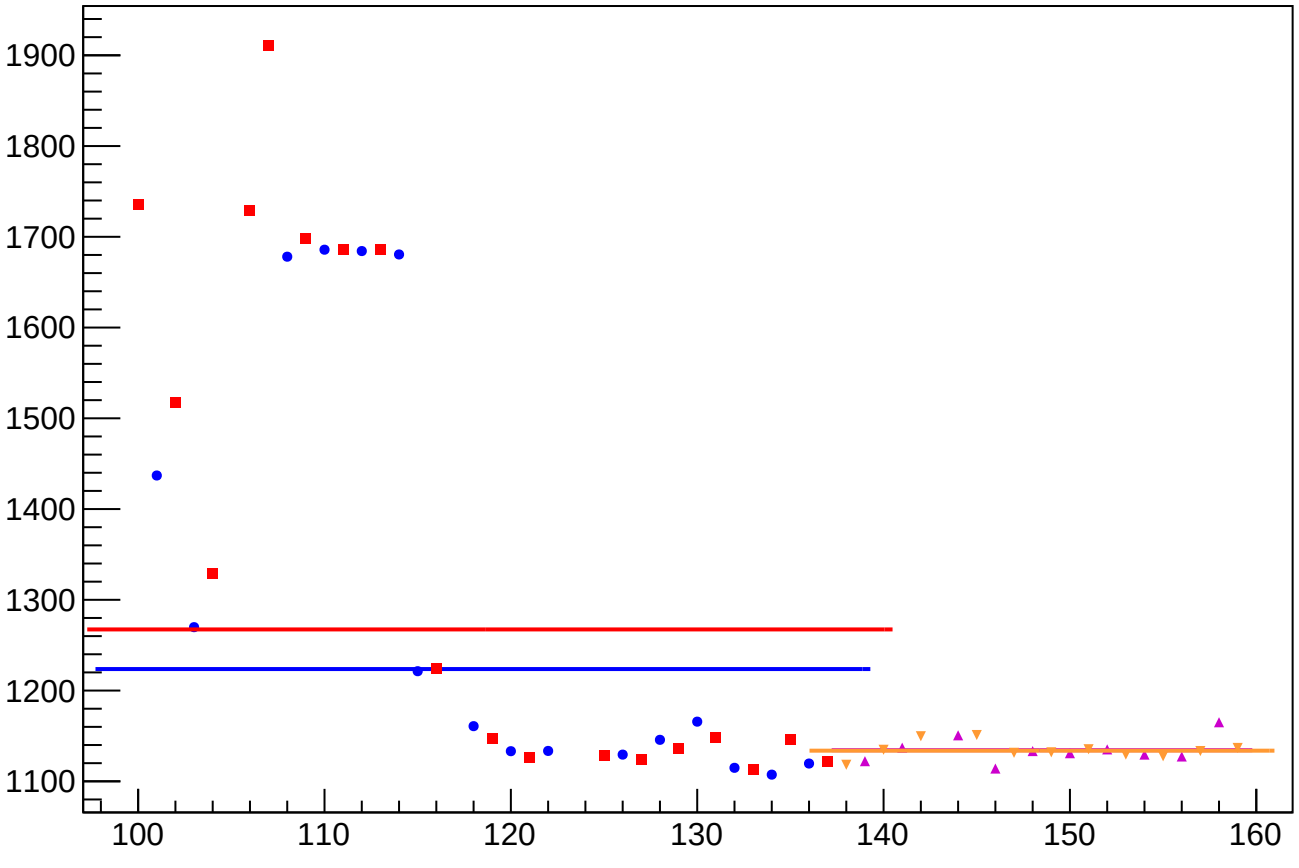
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 531.086+/-0.098 χ^2/NDF:1848448.1/25

Out: 528.785+/-0.098 χ^2/NDF:2005068.6/28

All: 529.940+/-0.069 χ^2/NDF: 3853794.0/54


eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -43.923+/-459.222 χ²/NDF: 10.1/15
Left Out: -378.753+/-383.657 χ²/NDF:10.7/10
Right Out: 298.207+/-475.315 χ²/NDF: 24.6/17
Left In: 1.517+/-384.041 χ²/NDF:13.2/9
Left: -188.808+/-271.422 χ²/NDF: 24.4/20
Right: 121.252+/-330.262 χ²/NDF: 35.0/33
In: -17.184+/-294.600 χ²/NDF:23.3/25
Out: -111.695+/-298.540 χ²/NDF:36.6/28
All: -63.812+/-209.693 χ²/NDF: 59.9/54



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.773+/-0.271 χ^2/NDF:936.4/10

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

Left: 1134.040+/-0.192 χ^2/NDF: 3450.6/20

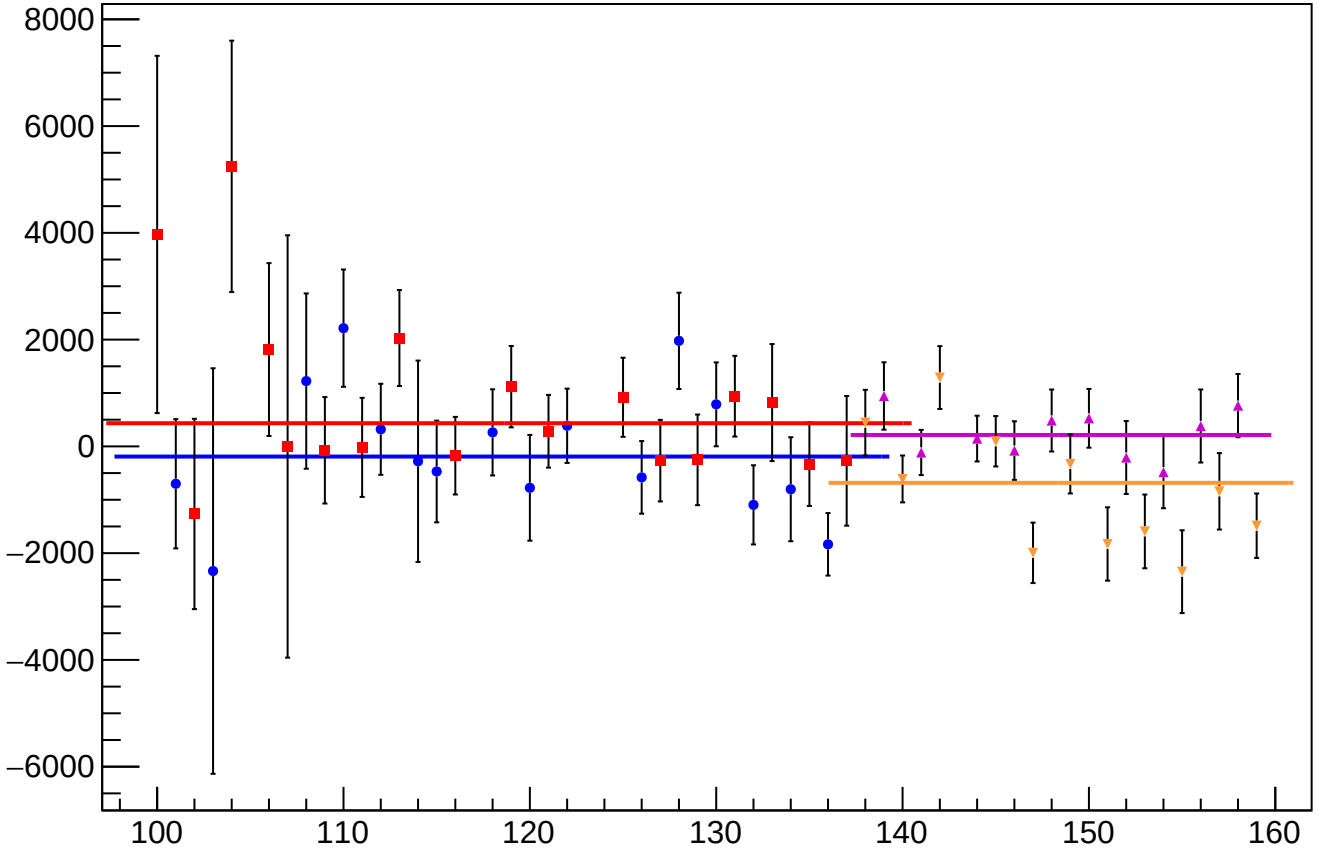
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1171.099+/-0.208 χ^2/NDF:342079.8/25

Out: 1186.474+/-0.211 χ^2/NDF:536579.1/28

All: 1178.684+/-0.148 χ^2/NDF: 881346.4/54

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: -682.635+/-176.280 χ^2/NDF:34.1/10

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 213.865+/-175.569 χ^2/NDF:5.2/9

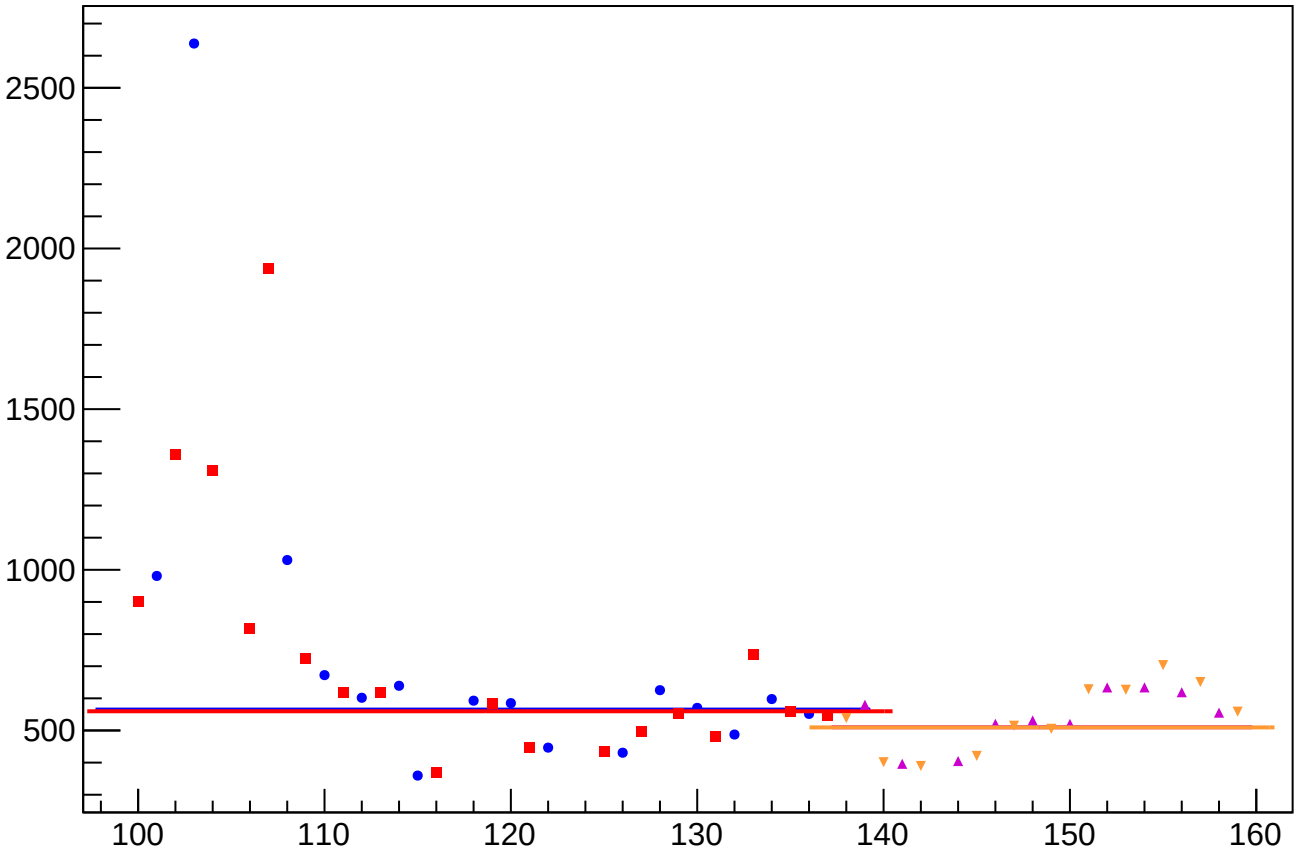
Left: -232.575+/-124.396 χ^2/NDF: 52.2/20

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 58.962+/-137.915 χ^2/NDF:32.4/25

Out: -254.554+/-138.421 χ^2/NDF:65.4/28

All: -97.222+/-97.699 χ^2/NDF: 100.4/54



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 509.526+/-0.125 χ^2/NDF:613446.8/10

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

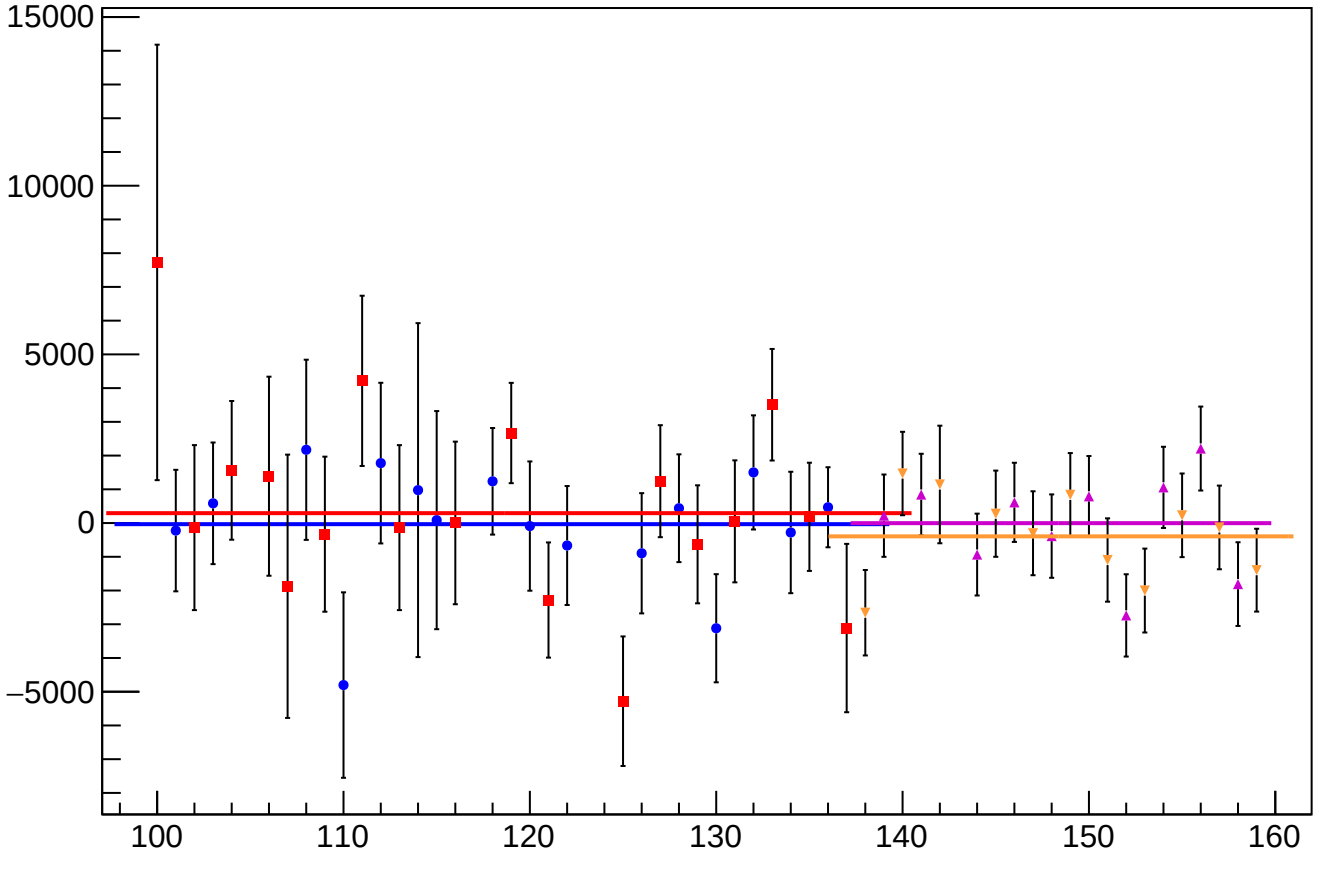
Left: 509.798+/-0.088 χ^2/NDF: 1102598.7/20

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 531.086+/-0.098 χ^2/NDF:1848448.1/25

Out: 528.785+/-0.098 χ^2/NDF:2005068.6/28

All: 529.940+/-0.069 χ^2/NDF: 3853794.0/54



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -394.310+/-383.938 χ^2/NDF:10.5/10

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -3.144+/-384.185 χ^2/NDF:13.0/9

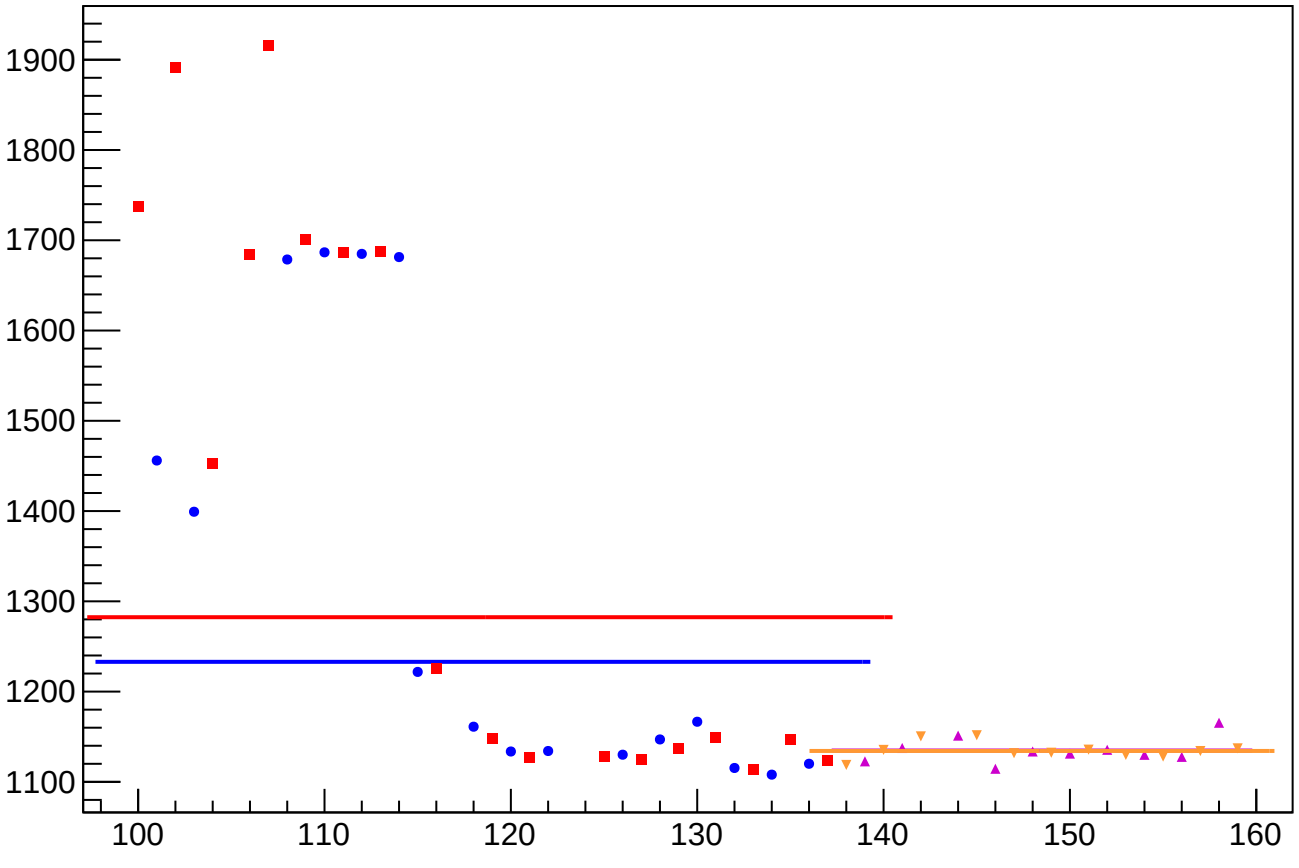
Left: -198.853+/-271.573 χ^2/NDF: 24.0/20

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -15.337+/-295.713 χ^2/NDF:23.3/25

Out: -128.596+/-300.753 χ^2/NDF:36.0/28

All: -71.009+/-210.860 χ^2/NDF: 59.3/54



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1134.243+/-0.271 χ^2/NDF:945.8/10

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

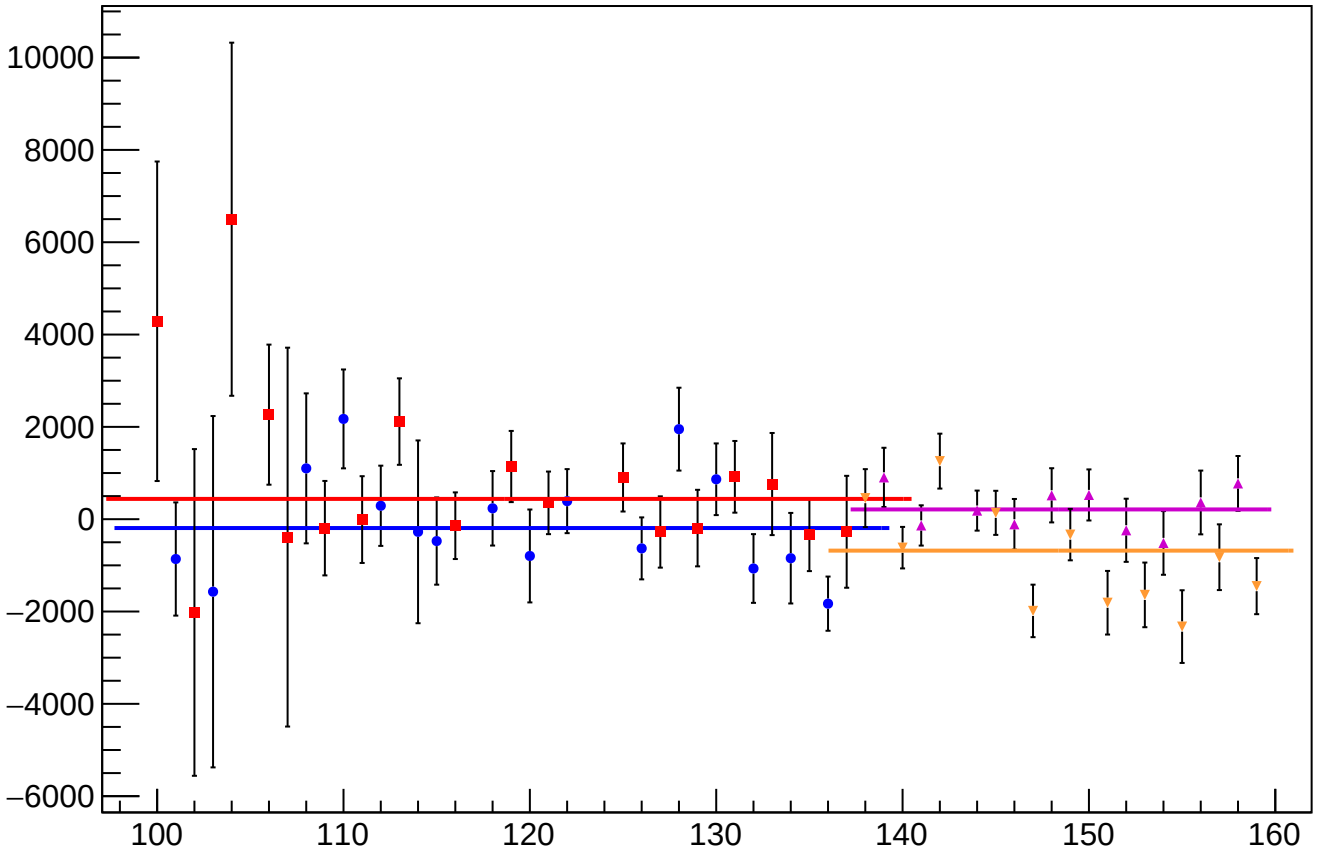
Left: 1134.488+/-0.192 χ^2/NDF: 3457.4/20

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1174.766+/-0.209 χ^2/NDF:371268.8/25

Out: 1191.491+/-0.213 χ^2/NDF:659432.2/28

All: 1182.988+/-0.149 χ^2/NDF: 1033845.9/54



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -680.771+/-178.326 χ^2/NDF:33.1/10

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 211.476+/-177.722 χ^2/NDF:5.2/9

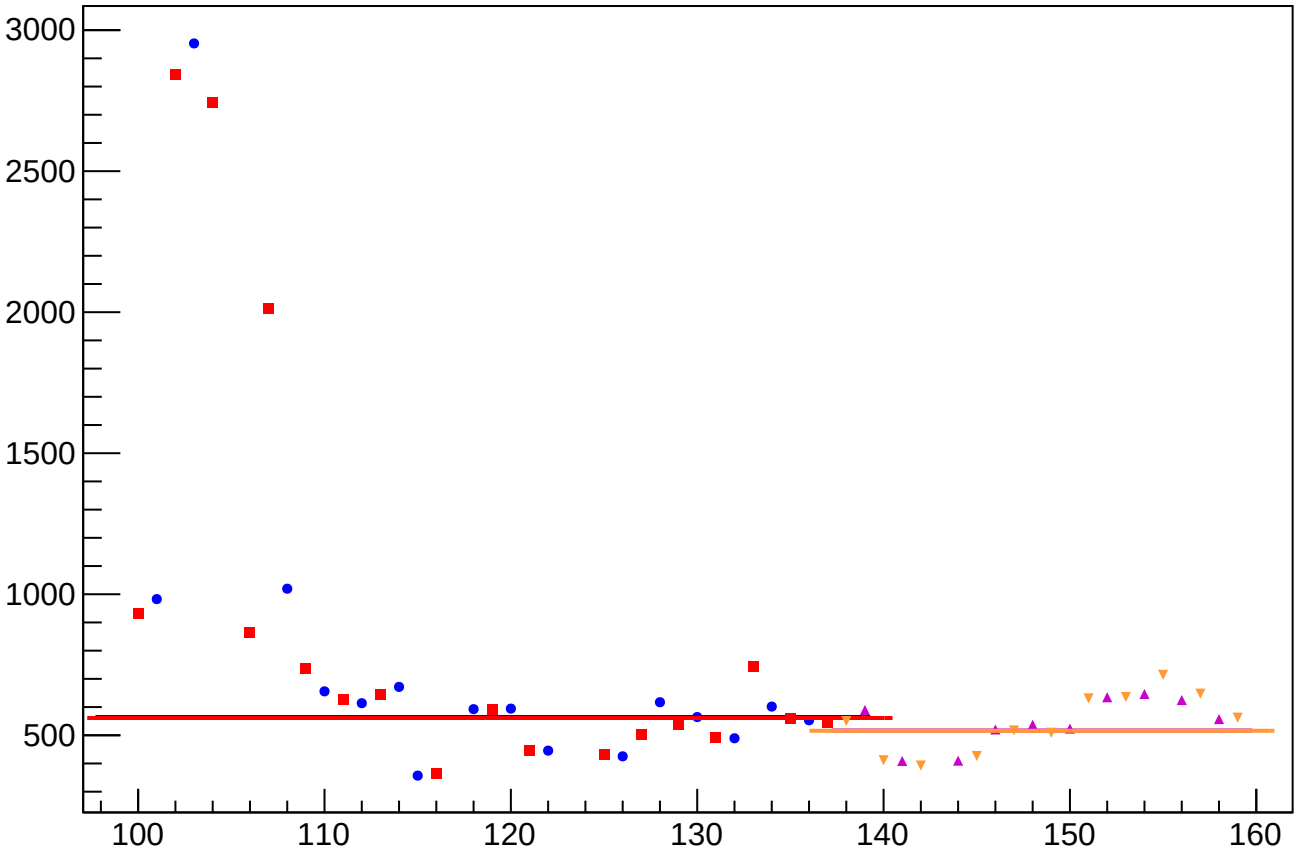
Left: -233.134+/-125.881 χ^2/NDF: 50.9/20

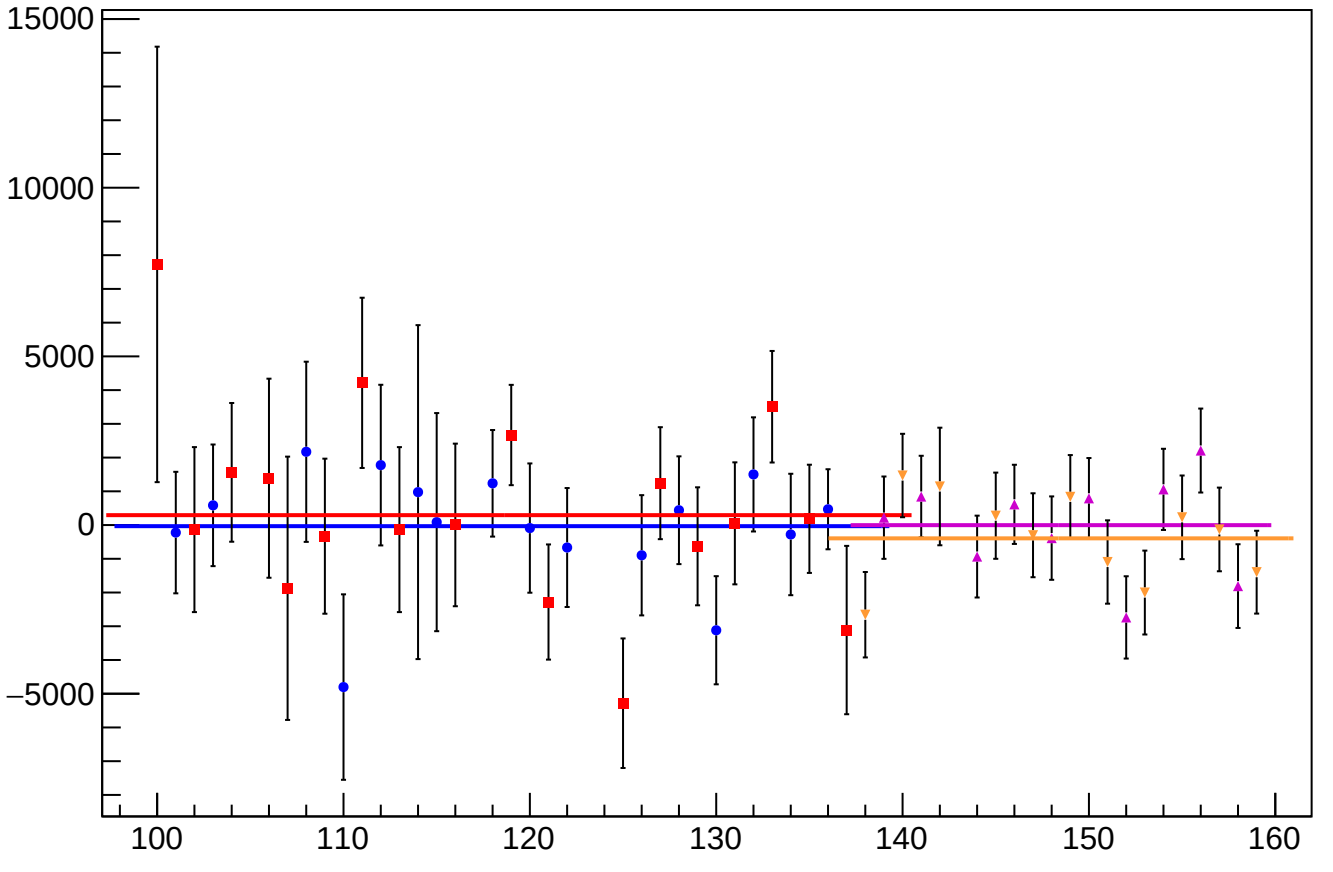
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 54.733+/-138.926 χ^2/NDF:32.5/25

Out: -252.279+/-140.136 χ^2/NDF:62.8/28

All: -97.442+/-98.660 χ^2/NDF: 97.8/54


asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 564.871+/-0.158 χ²/NDF: 1480375.5/15
Left Out: 515.959+/-0.126 χ²/NDF:591241.9/10
Right Out: 561.273+/-0.160 χ²/NDF: 2273371.7/17
Left In: 516.952+/-0.126 χ²/NDF:460868.4/9
Left: 516.457+/-0.089 χ²/NDF: 1052141.4/20
Right: 563.103+/-0.112 χ²/NDF: 3754003.6/33
In: 535.589+/-0.098 χ²/NDF:1997794.8/25
Out: 533.289+/-0.099 χ²/NDF:2914005.4/28
All: 534.449+/-0.070 χ²/NDF: 4912072.0/54



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -394.313+/-383.938 χ^2/NDF:10.5/10

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -3.143+/-384.185 χ^2/NDF:13.0/9

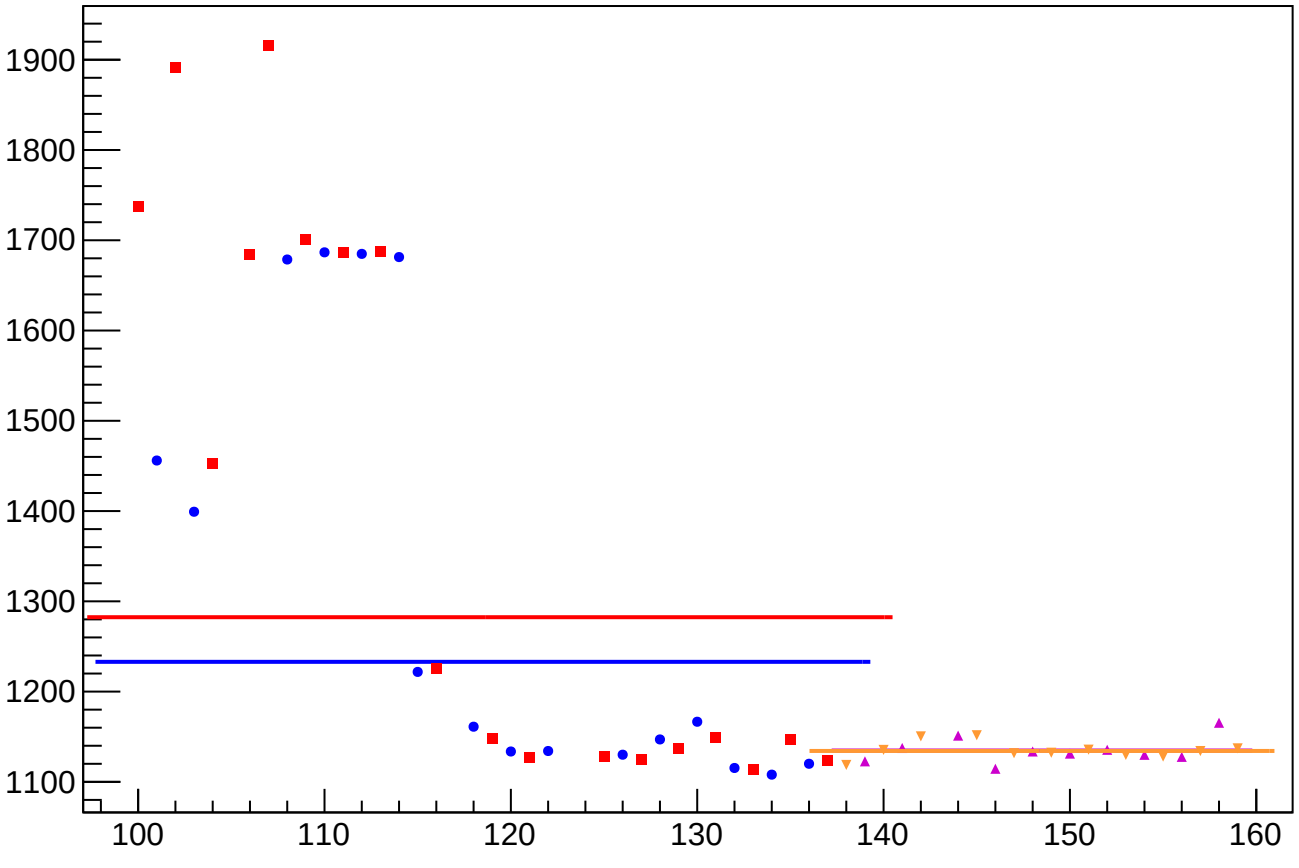
Left: -198.854+/-271.573 χ^2/NDF: 24.0/20

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -15.336+/-295.713 χ^2/NDF:23.3/25

Out: -128.597+/-300.753 χ^2/NDF:36.0/28

All: -71.010+/-210.860 χ^2/NDF: 59.3/54



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1134.243+/-0.271 χ^2/NDF:945.8/10

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

Left: 1134.488+/-0.192 χ^2/NDF: 3457.4/20

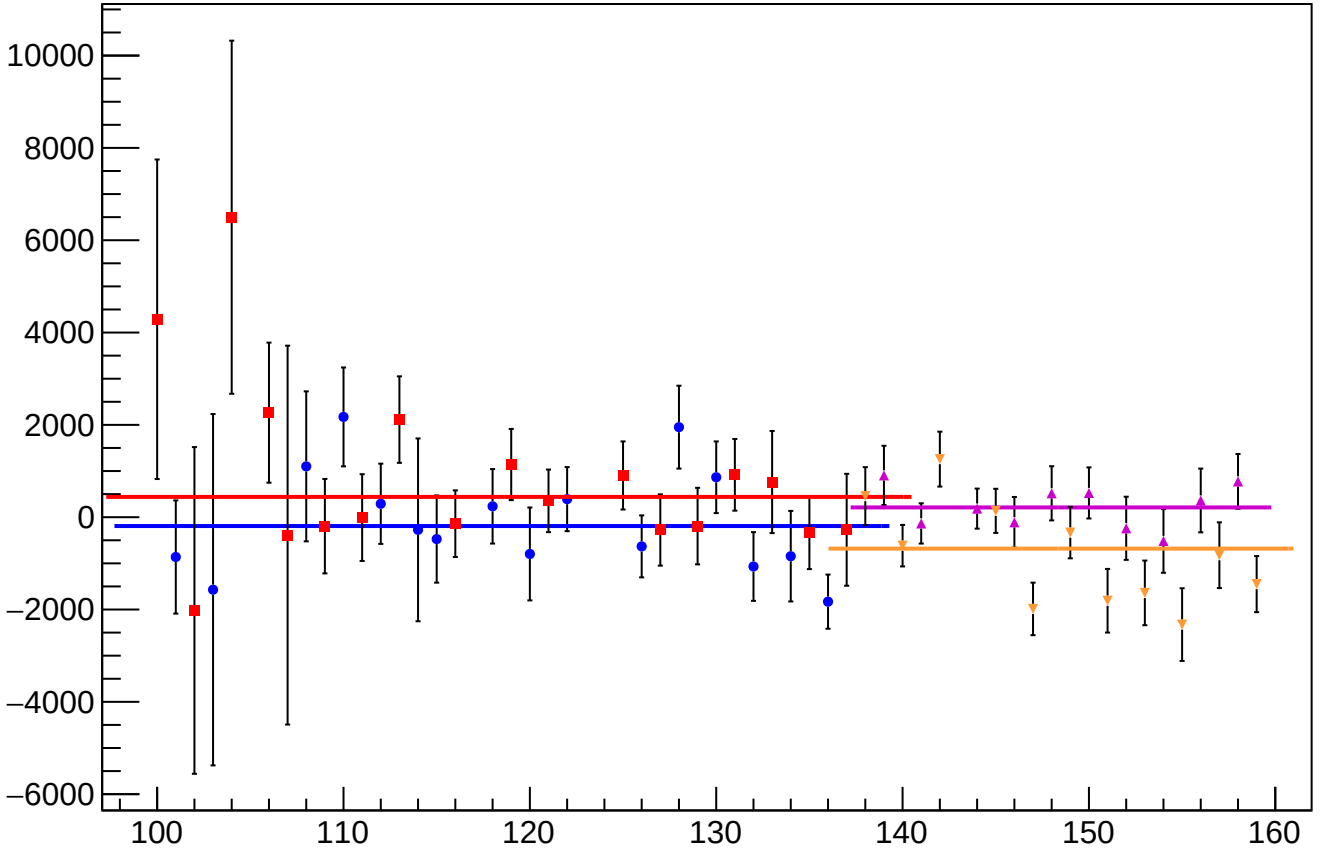
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1174.766+/-0.209 χ^2/NDF:371268.4/25

Out: 1191.491+/-0.213 χ^2/NDF:659431.5/28

All: 1182.988+/-0.149 χ^2/NDF: 1033844.7/54

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: -680.768+/-178.325 χ^2/NDF:33.1/10

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 211.476+/-177.722 χ^2/NDF:5.2/9

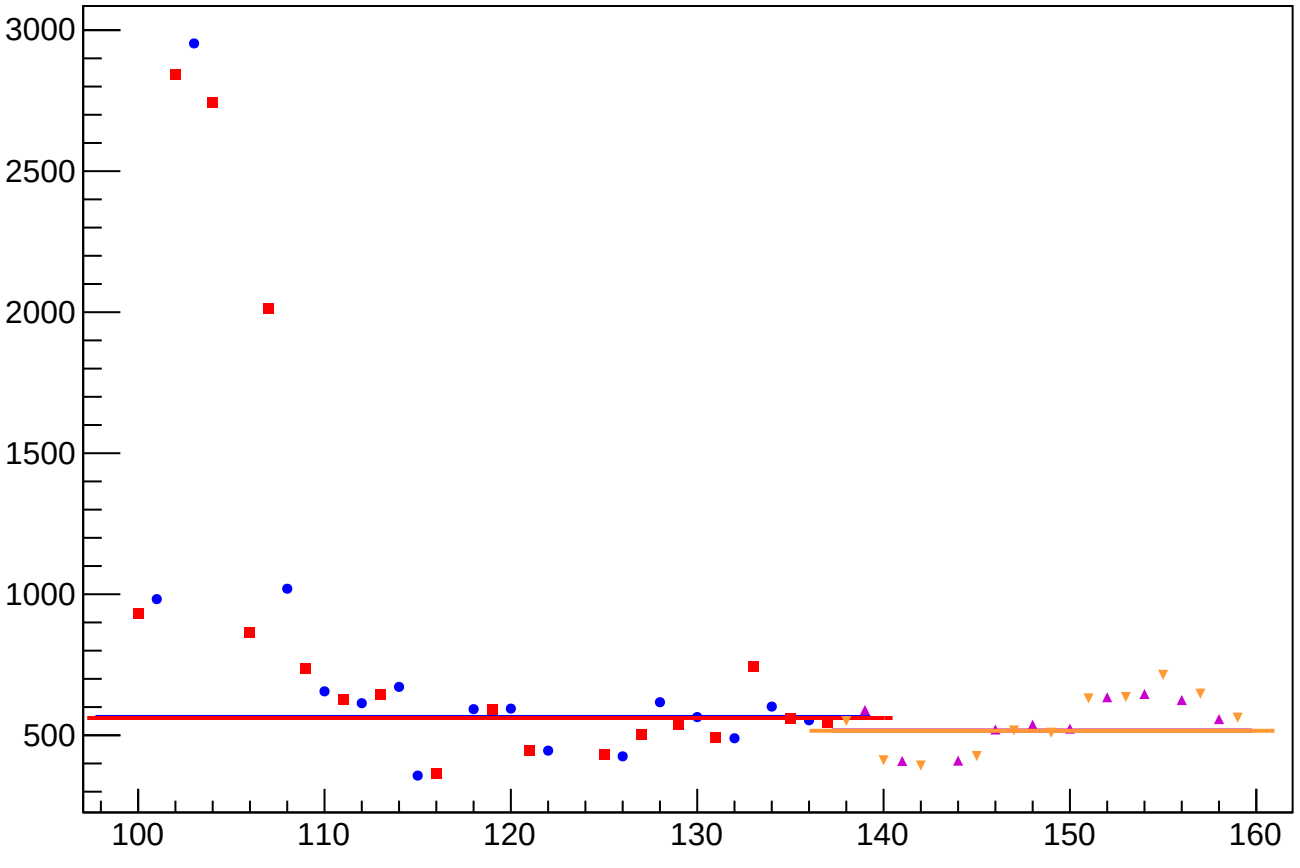
Left: -233.133+/-125.881 χ^2/NDF: 50.9/20

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 54.733+/-138.926 χ^2/NDF:32.5/25

Out: -252.277+/-140.136 χ^2/NDF:62.8/28

All: -97.441+/-98.660 χ^2/NDF: 97.8/54



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 515.958+/-0.126 χ^2/NDF:591260.2/10

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 516.951+/-0.126 χ^2/NDF:460880.9/9

Left: 516.456+/-0.089 χ^2/NDF: 1052172.3/20

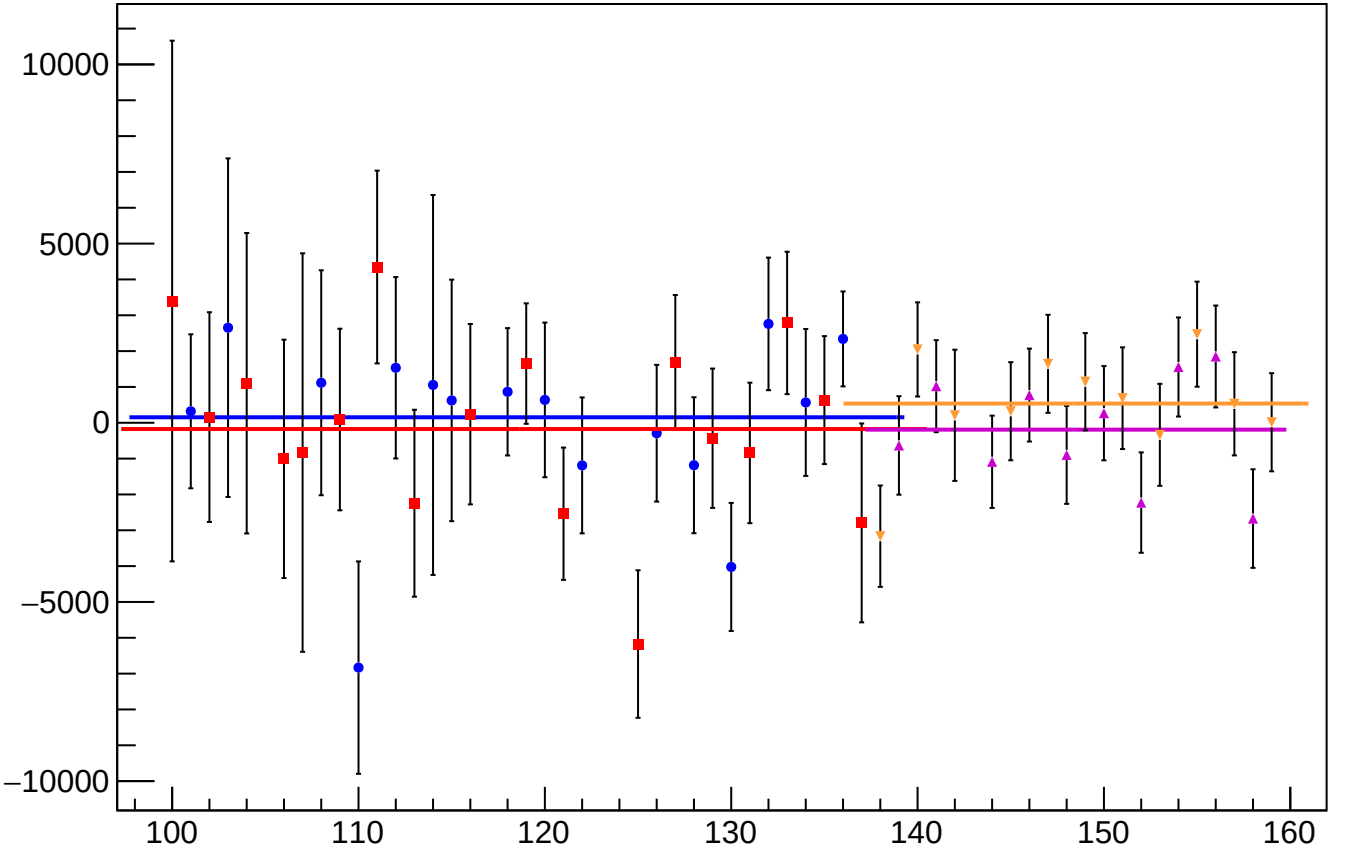
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 535.589+/-0.098 χ^2/NDF:1997805.9/25

Out: 533.289+/-0.099 χ^2/NDF:2914026.0/28

All: 534.449+/-0.070 χ^2/NDF: 4912103.8/54

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 536.714+/-427.922 χ^2/NDF:11.4/10

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -191.258+/-426.276 χ^2/NDF:11.4/9

Left: 171.326+/-302.003 χ^2/NDF: 24.3/20

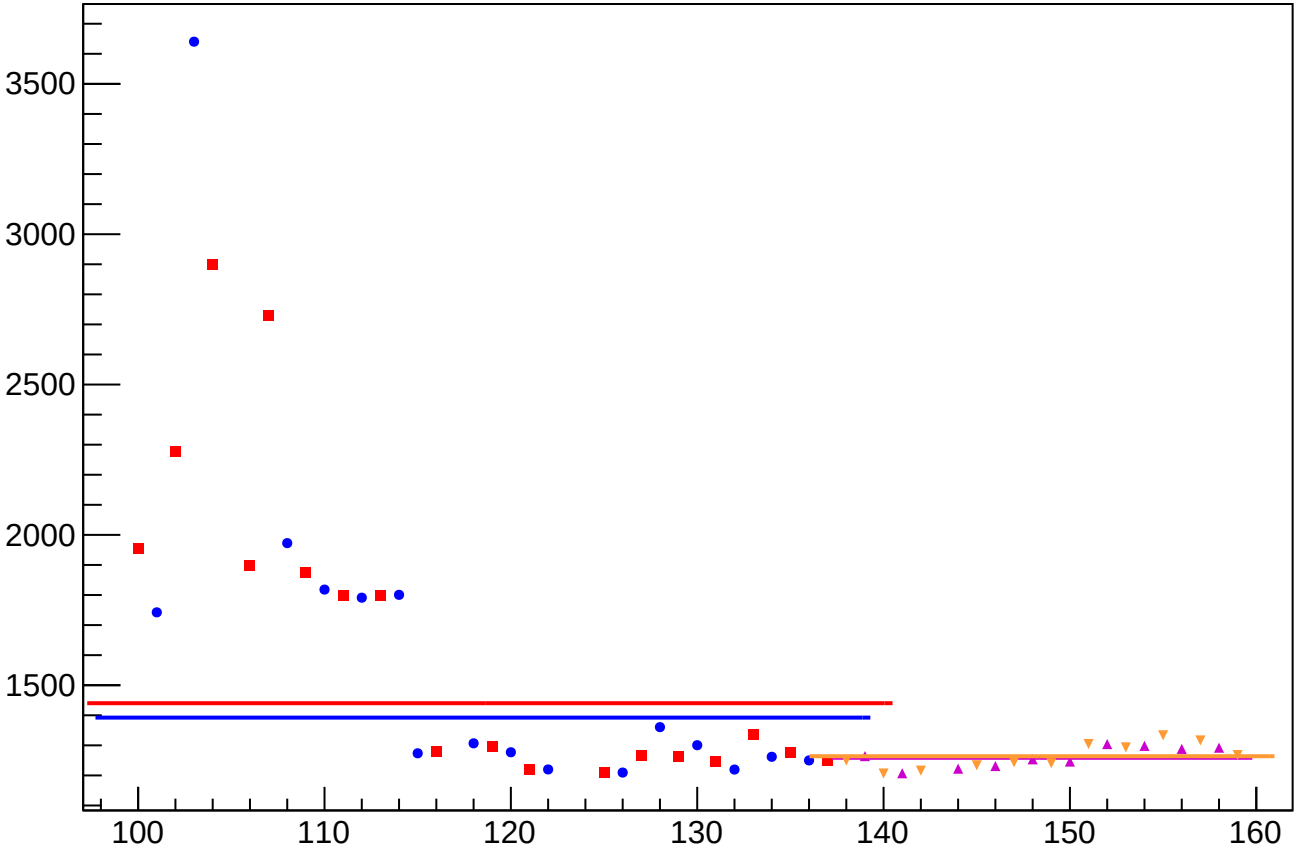
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -56.536+/-332.683 χ^2/NDF:29.5/25

Out: 268.689+/-337.774 χ^2/NDF:32.1/28

All: 103.607+/-237.022 χ^2/NDF: 62.0/54

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.841+/-0.303 χ^2/NDF:17062.3/10

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1258.641+/-0.301 χ^2/NDF:11758.2/9

Left: 1261.231+/-0.214 χ^2/NDF: 28968.7/20

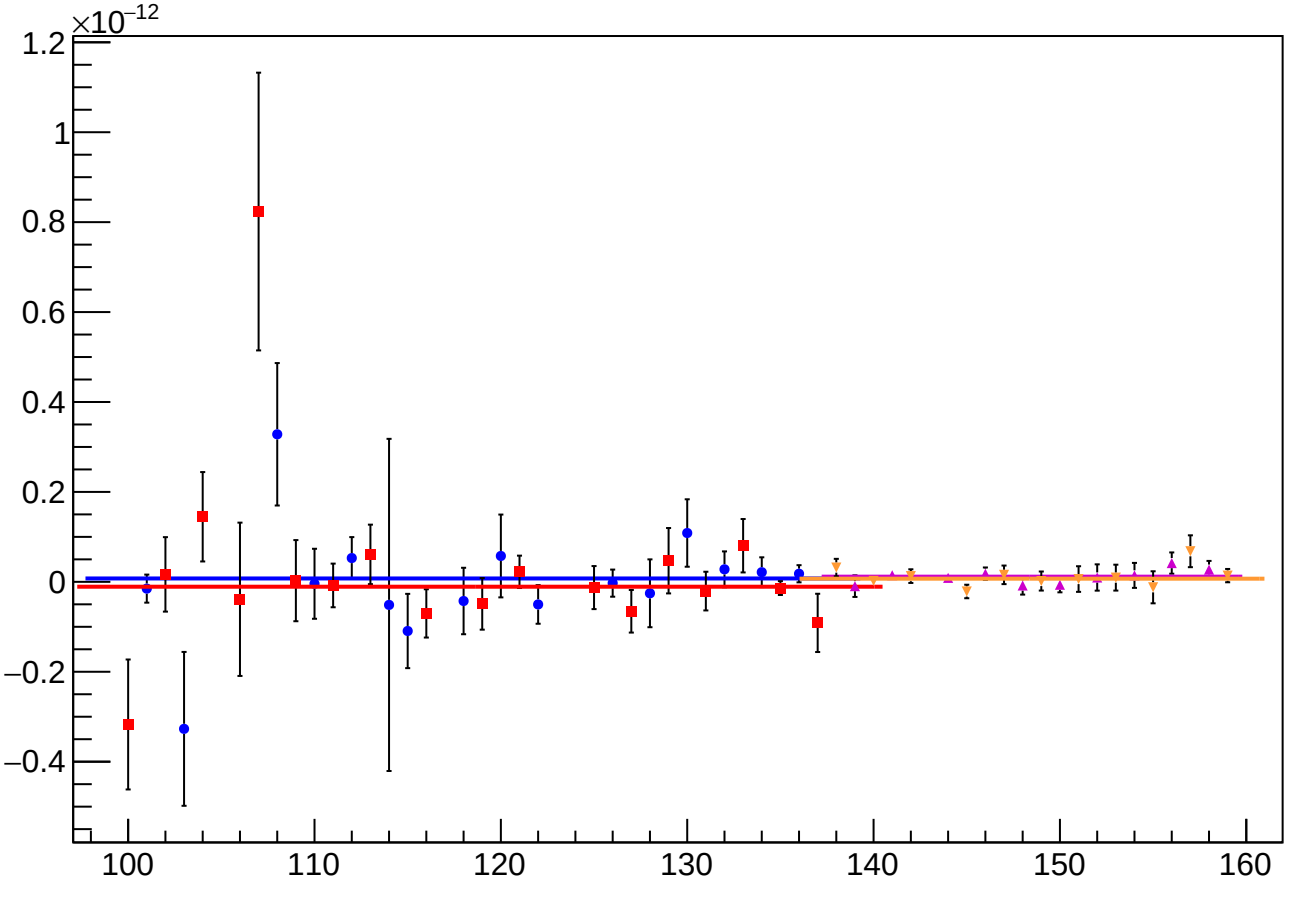
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1310.890+/-0.235 χ^2/NDF:867861.5/25

Out: 1330.328+/-0.239 χ^2/NDF:1000030.2/28

All: 1320.461+/-0.168 χ^2/NDF: 1871253.8/54

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

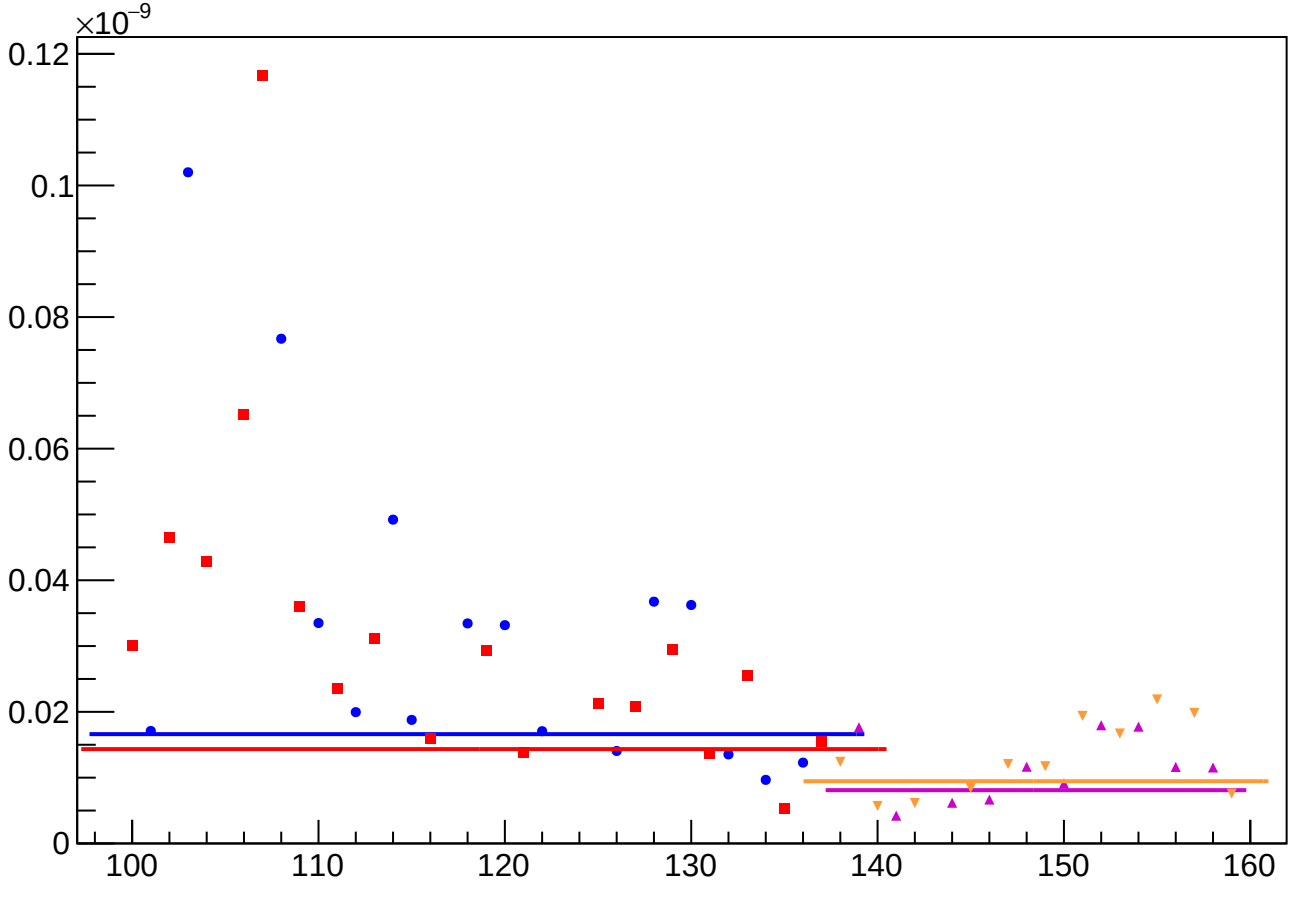
Left: 0.000+/-0.000 χ^2/NDF: 15.2/20

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:22.6/25

Out: 0.000+/-0.000 χ^2/NDF:35.5/28

All: 0.000+/-0.000 χ^2/NDF: 59.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1251483.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1391644.6/9

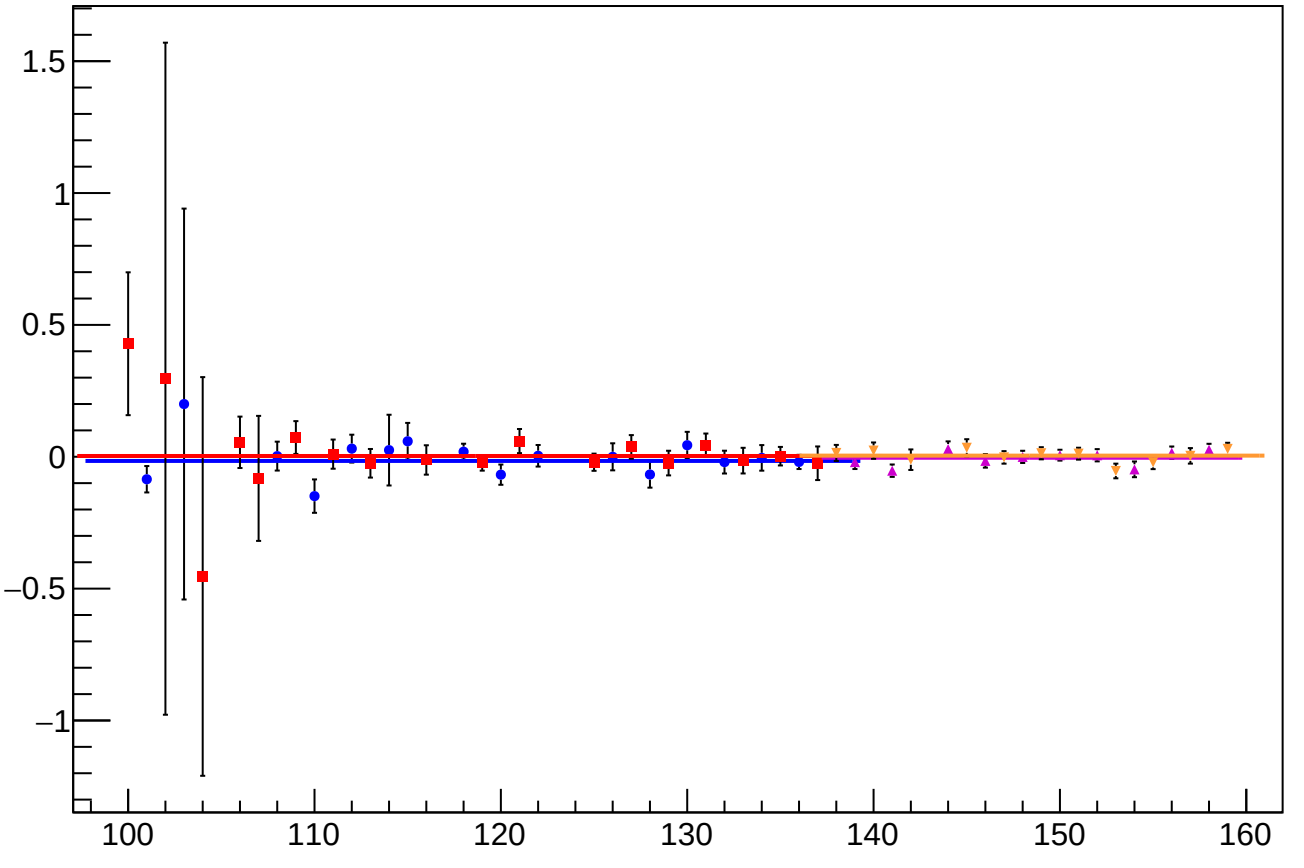
Left: 0.000+/-0.000 χ^2/NDF: 2709056.2/20

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3977856.4/25

Out: 0.000+/-0.000 χ^2/NDF:3843290.5/28

All: 0.000+/-0.000 χ^2/NDF: 7858335.8/54



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.008 χ^2/NDF:8.4/10

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

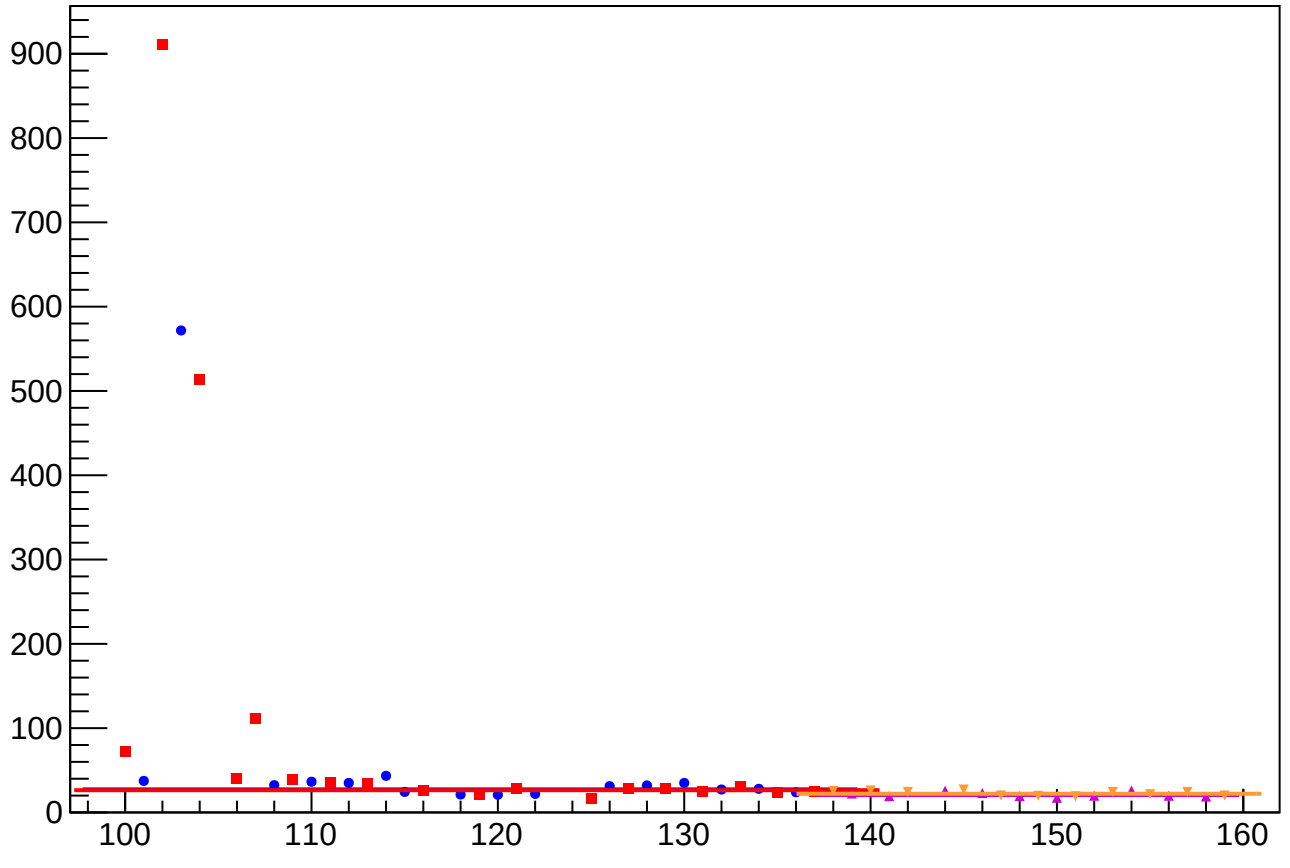
Left: 0.000+/-0.006 χ^2/NDF: 20.2/20

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.004+/-0.007 χ^2/NDF:18.3/28

All: -0.002+/-0.005 χ^2/NDF: 46.4/54



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.194+/-0.006 χ^2/NDF:220785.8/10

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

Left: 21.393+/-0.004 χ^2/NDF: 490549.5/20

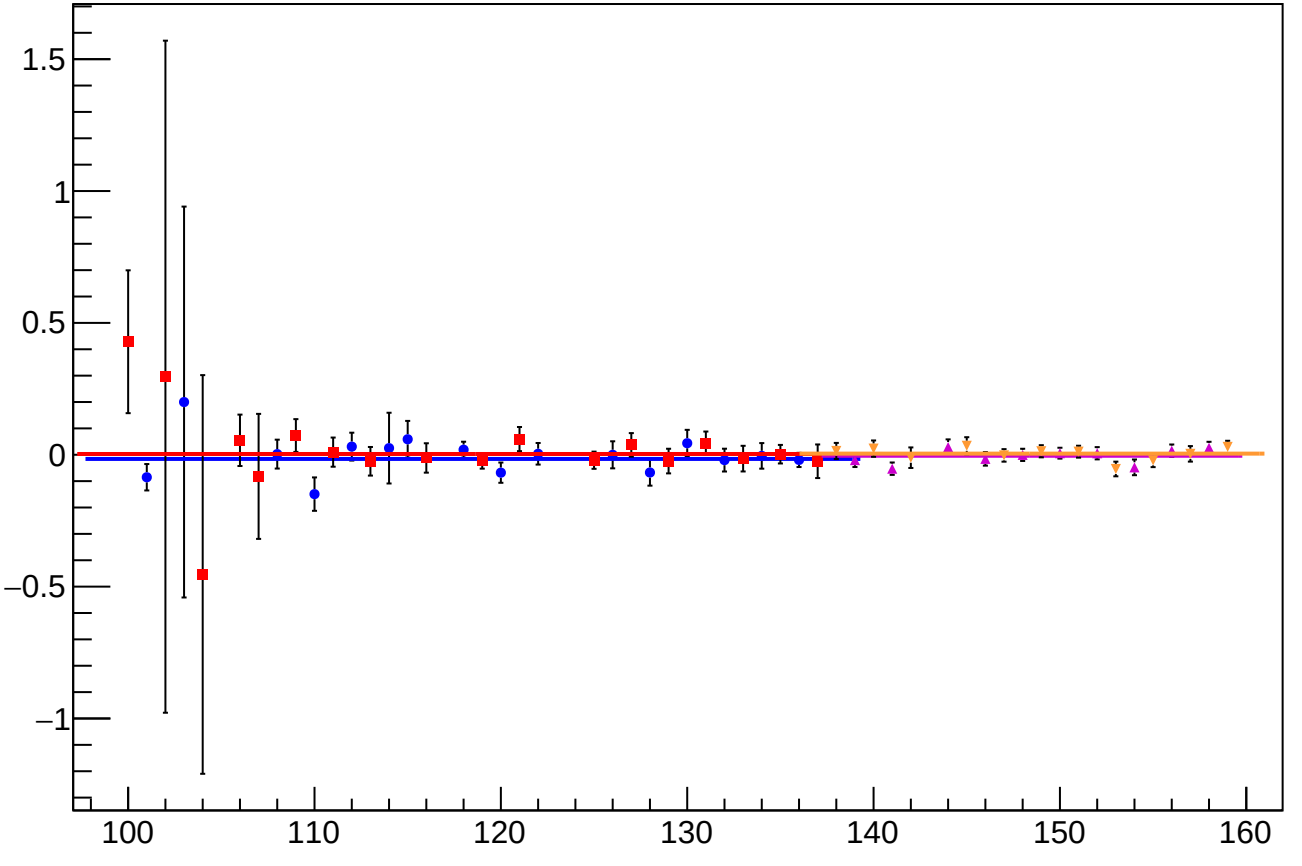
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.709+/-0.005 χ^2/NDF:2257274.2/25

Out: 23.514+/-0.005 χ^2/NDF:3003421.1/28

All: 23.091+/-0.003 χ^2/NDF: 5275727.3/54

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+/-0.008 χ^2/NDF:8.4/10

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: 0.000+/-0.006 χ^2/NDF: 20.2/20

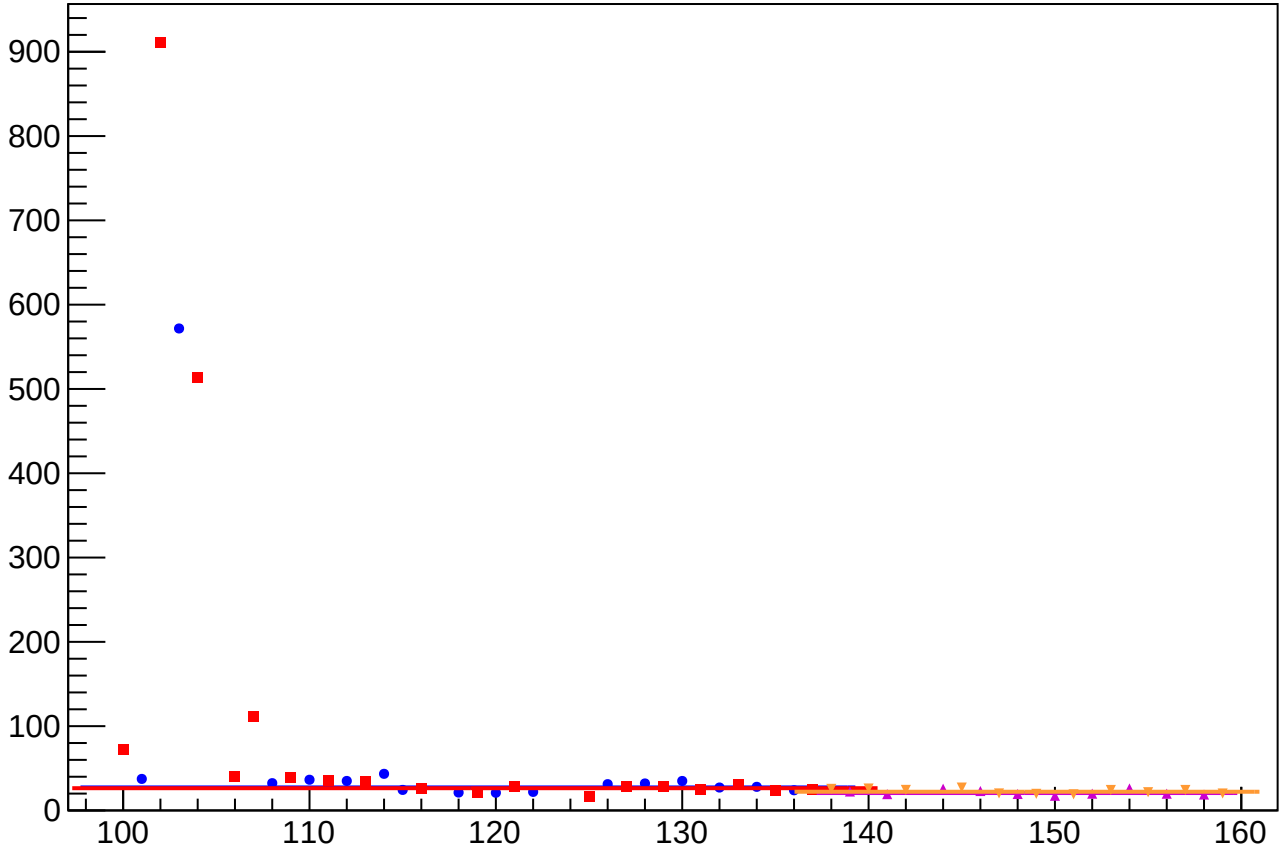
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.004+/-0.007 χ^2/NDF:18.3/28

All: -0.002+/-0.005 χ^2/NDF: 46.4/54

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: 22.194+/-0.006 χ^2/NDF:220785.8/10

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

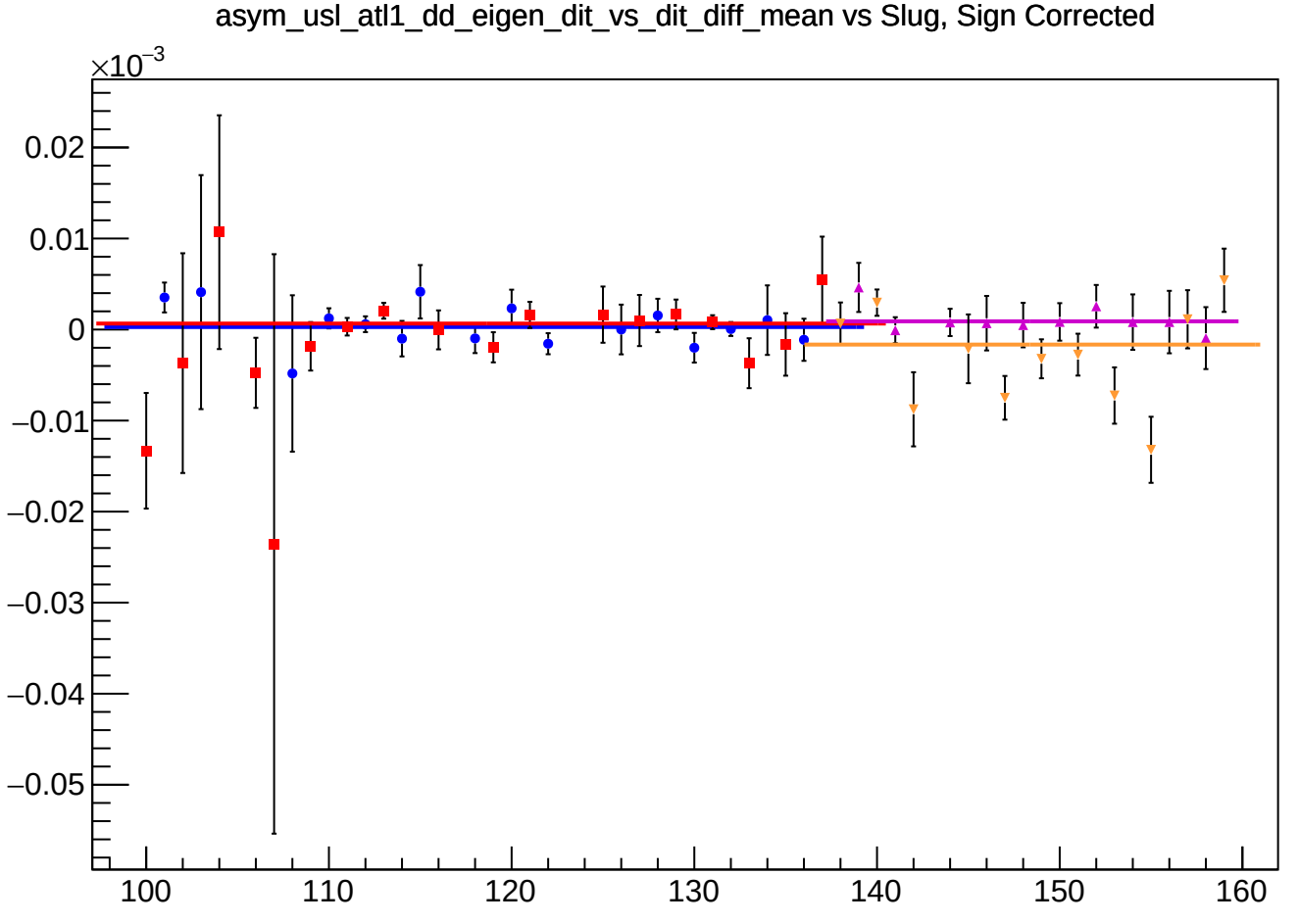
Left: 21.393+/-0.004 χ^2/NDF: 490549.5/20

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.709+/-0.005 χ^2/NDF:2257274.2/25

Out: 23.514+/-0.005 χ^2/NDF:3003421.1/28

All: 23.091+/-0.003 χ^2/NDF: 5275727.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/9

Left: -0.000+/-0.000 χ^2/NDF: 48.5/20

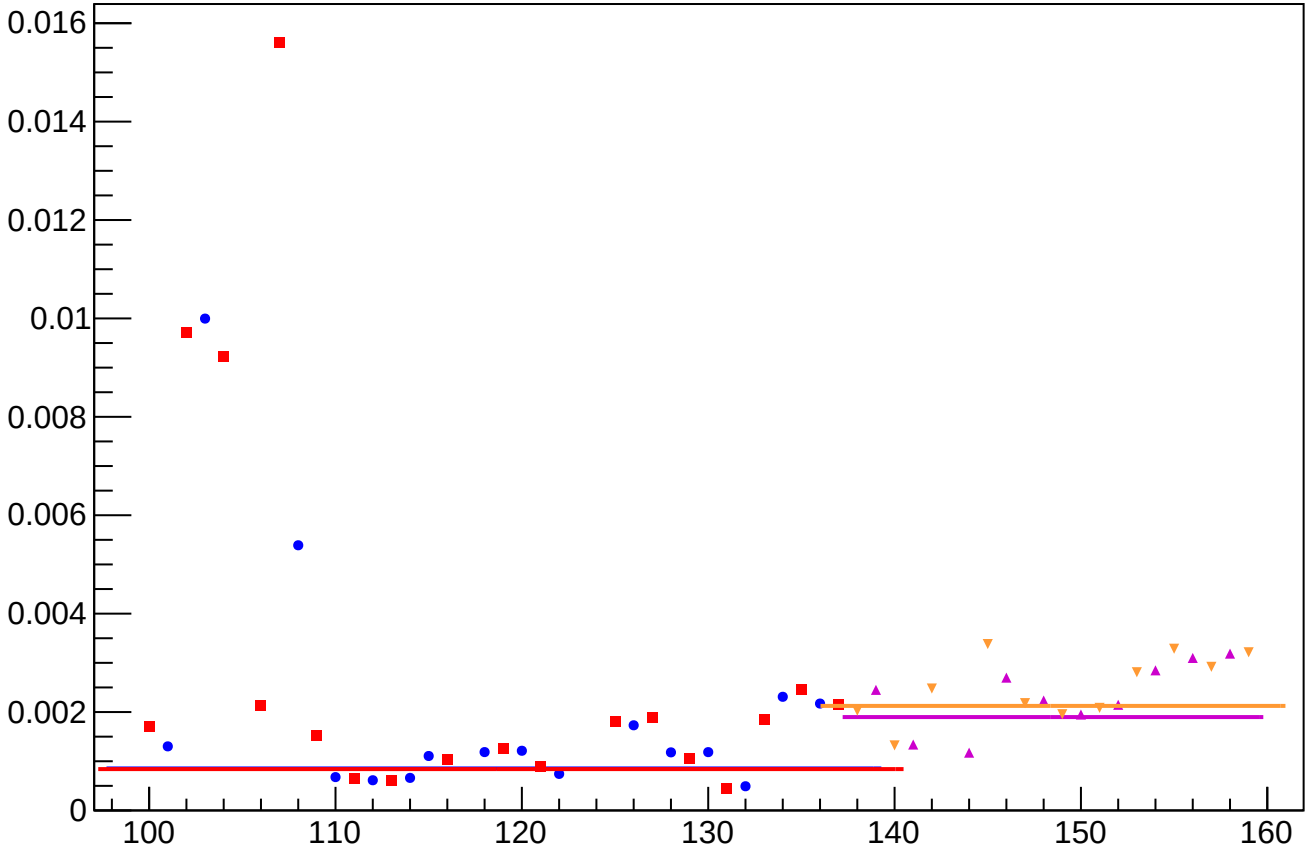
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:18.3/25

Out: 0.000+/-0.000 χ^2/NDF:65.7/28

All: 0.000+/-0.000 χ^2/NDF: 84.3/54

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: 0.002+/-0.000 χ^2/NDF:1492877.4/10

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1788759.2/9

Left: 0.002+/-0.000 χ^2/NDF: 3378495.5/20

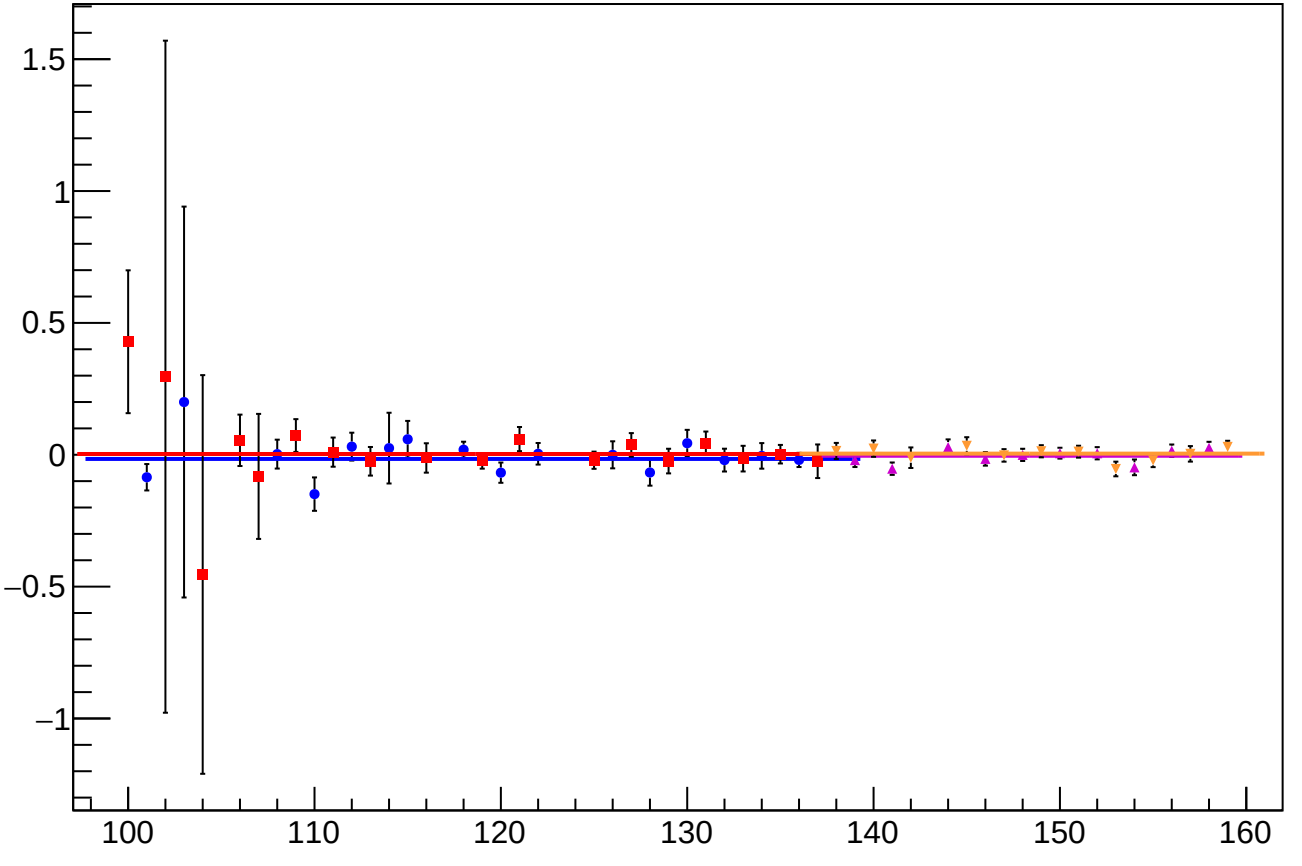
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9119073.5/25

Out: 0.001+/-0.000 χ^2/NDF:11020709.1/28

All: 0.001+/-0.000 χ^2/NDF: 20147758.0/54

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+/-0.008 χ^2/NDF:8.4/10

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: 0.000+/-0.006 χ^2/NDF: 20.2/20

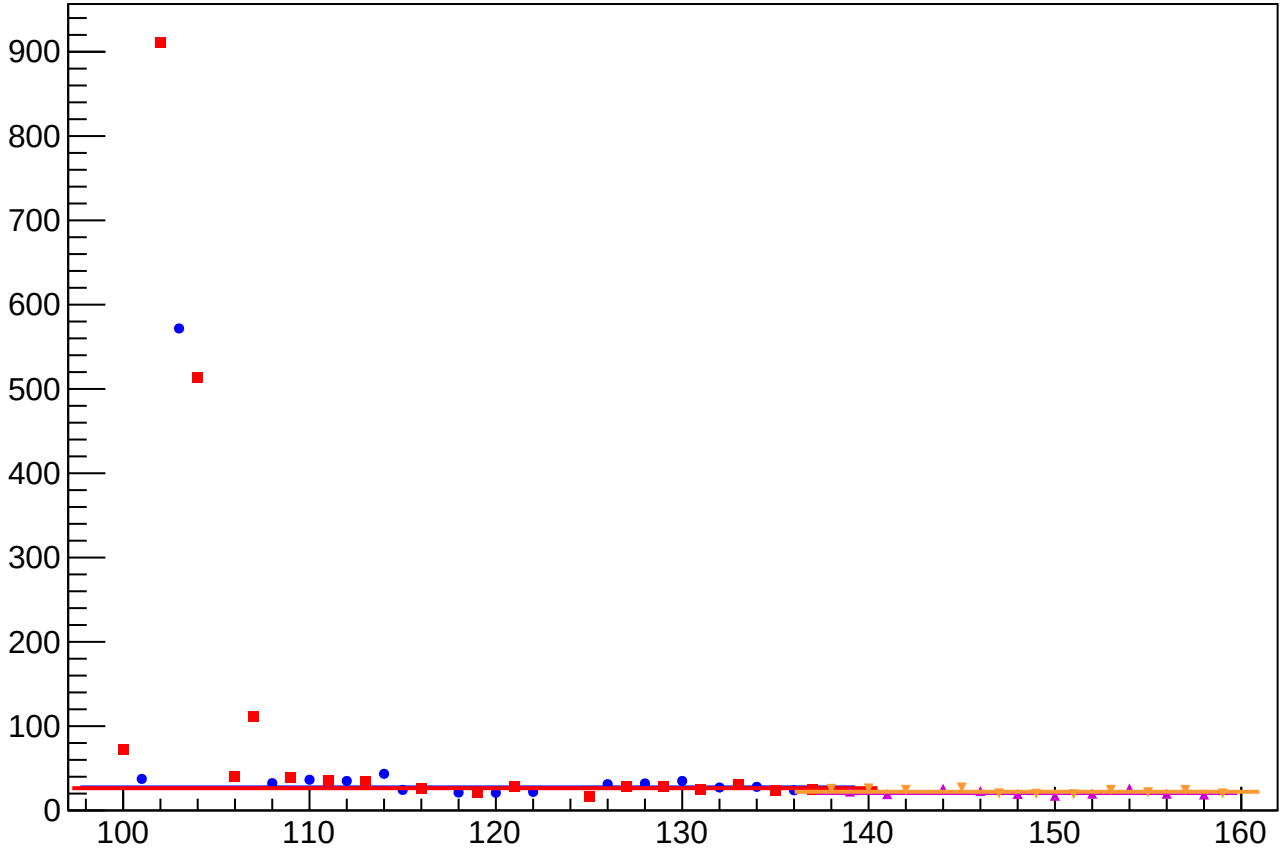
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.004+/-0.007 χ^2/NDF:18.2/28

All: -0.002+/-0.005 χ^2/NDF: 46.4/54

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: 22.194+/-0.006 χ^2/NDF:220755.7/10

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

Left: 21.393+/-0.004 χ^2/NDF: 490535.4/20

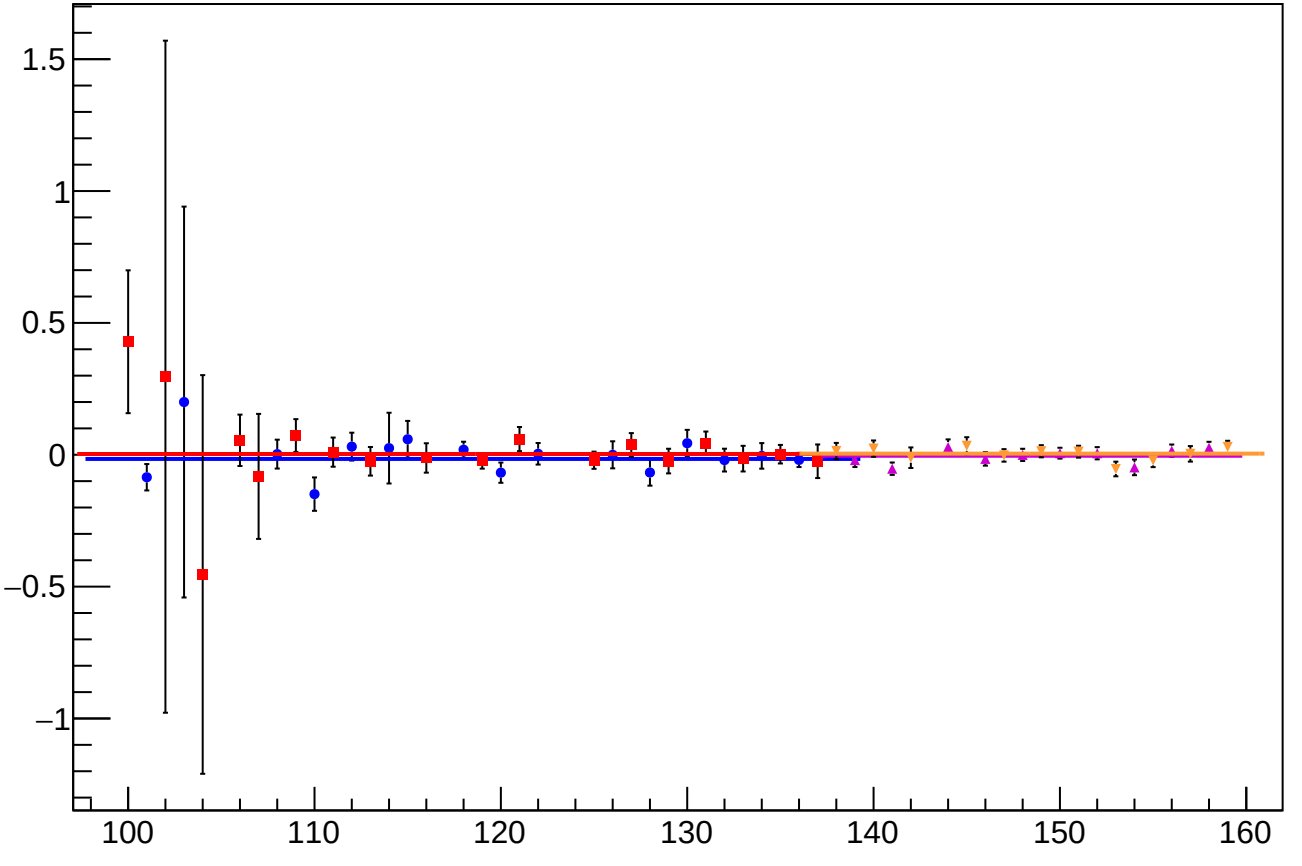
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.709+/-0.005 χ^2/NDF:2257289.7/25

Out: 23.514+/-0.005 χ^2/NDF:3003410.8/28

All: 23.091+/-0.003 χ^2/NDF: 5275733.0/54

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+/-0.008 χ^2/NDF:8.4/10

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: 0.000+/-0.006 χ^2/NDF: 20.2/20

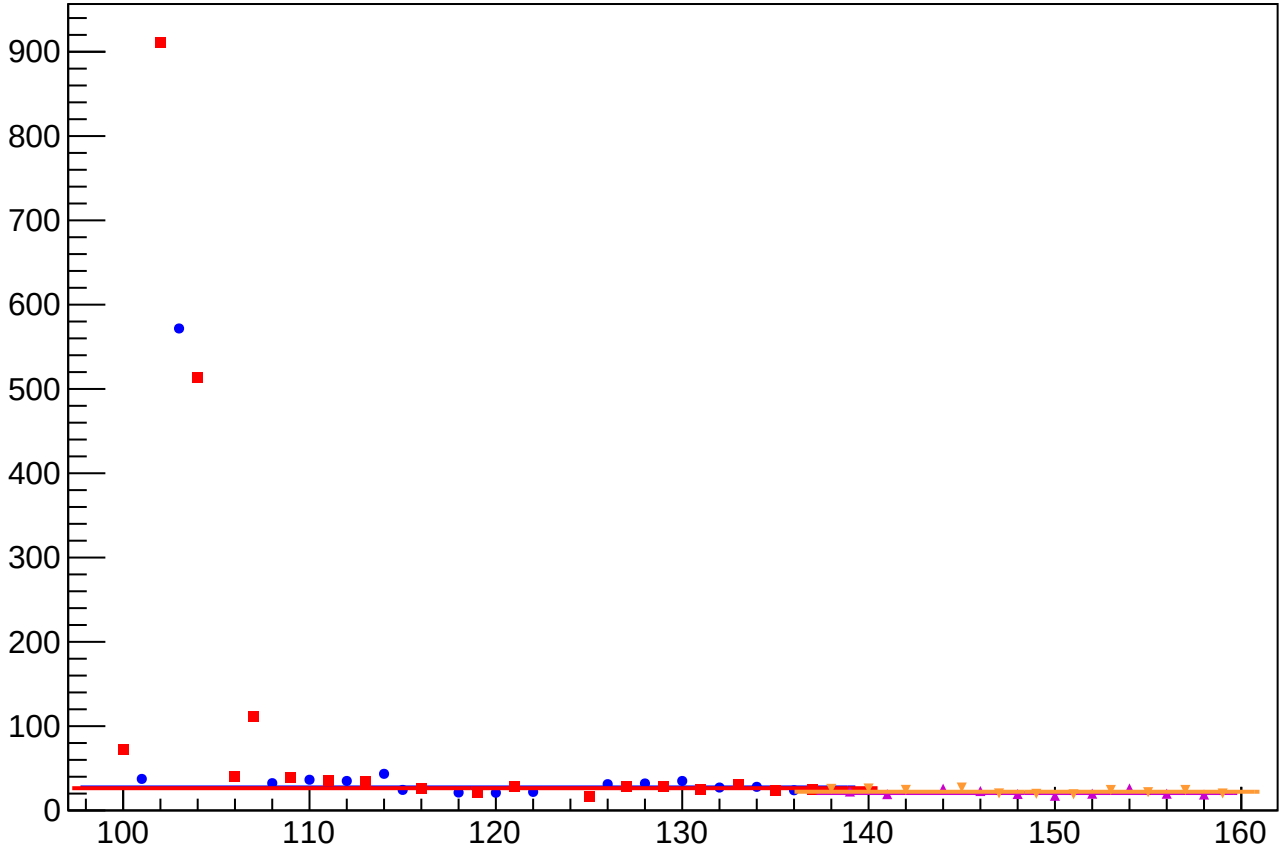
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.004+/-0.007 χ^2/NDF:18.2/28

All: -0.002+/-0.005 χ^2/NDF: 46.4/54

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: 22.194+/-0.006 χ^2/NDF:220755.7/10

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

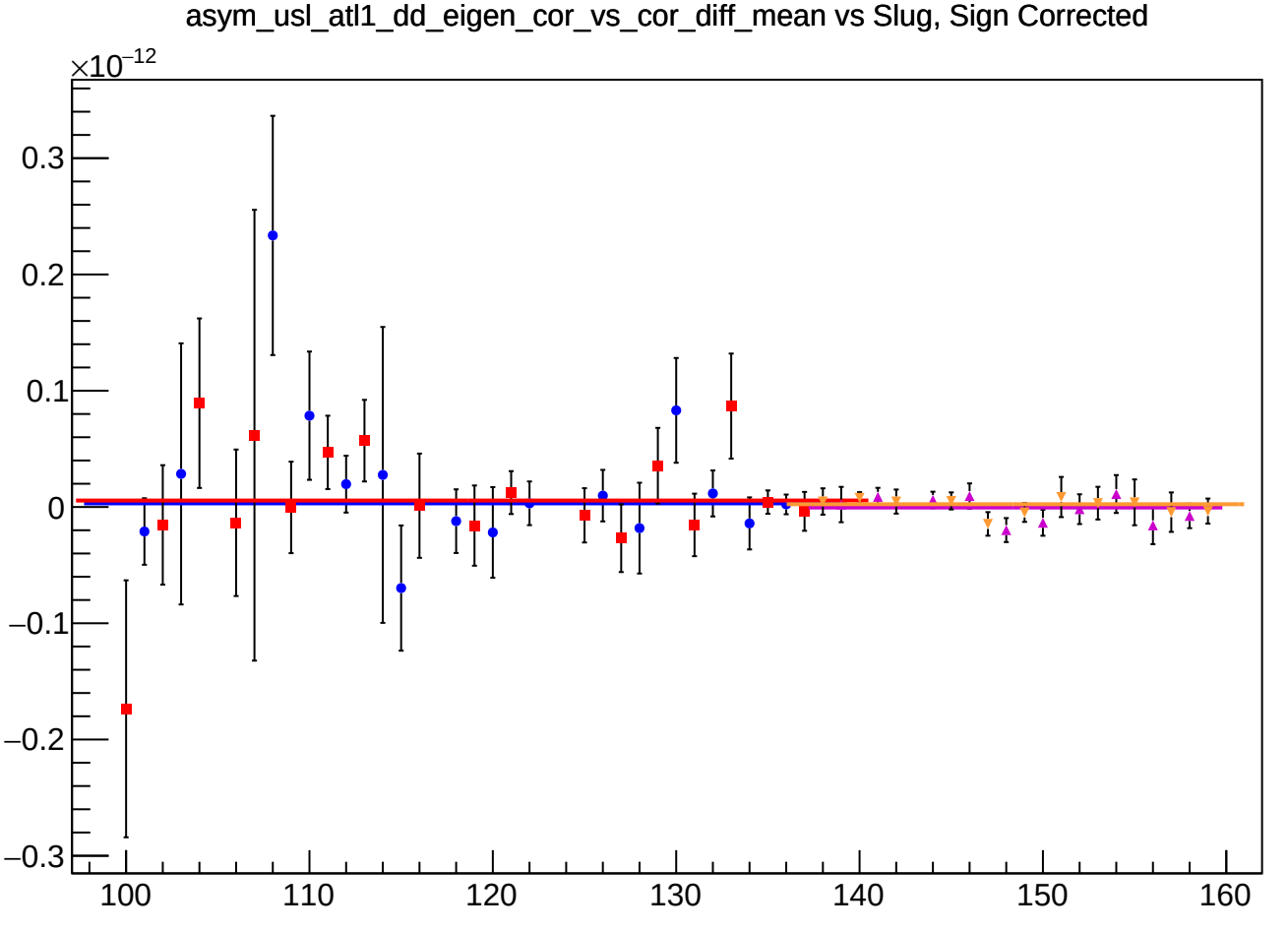
Left: 21.393+/-0.004 χ^2/NDF: 490535.4/20

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.709+/-0.005 χ^2/NDF:2257289.7/25

Out: 23.514+/-0.005 χ^2/NDF:3003410.8/28

All: 23.091+/-0.003 χ^2/NDF: 5275733.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/9

Left: 0.000+/-0.000 χ^2/NDF: 15.9/20

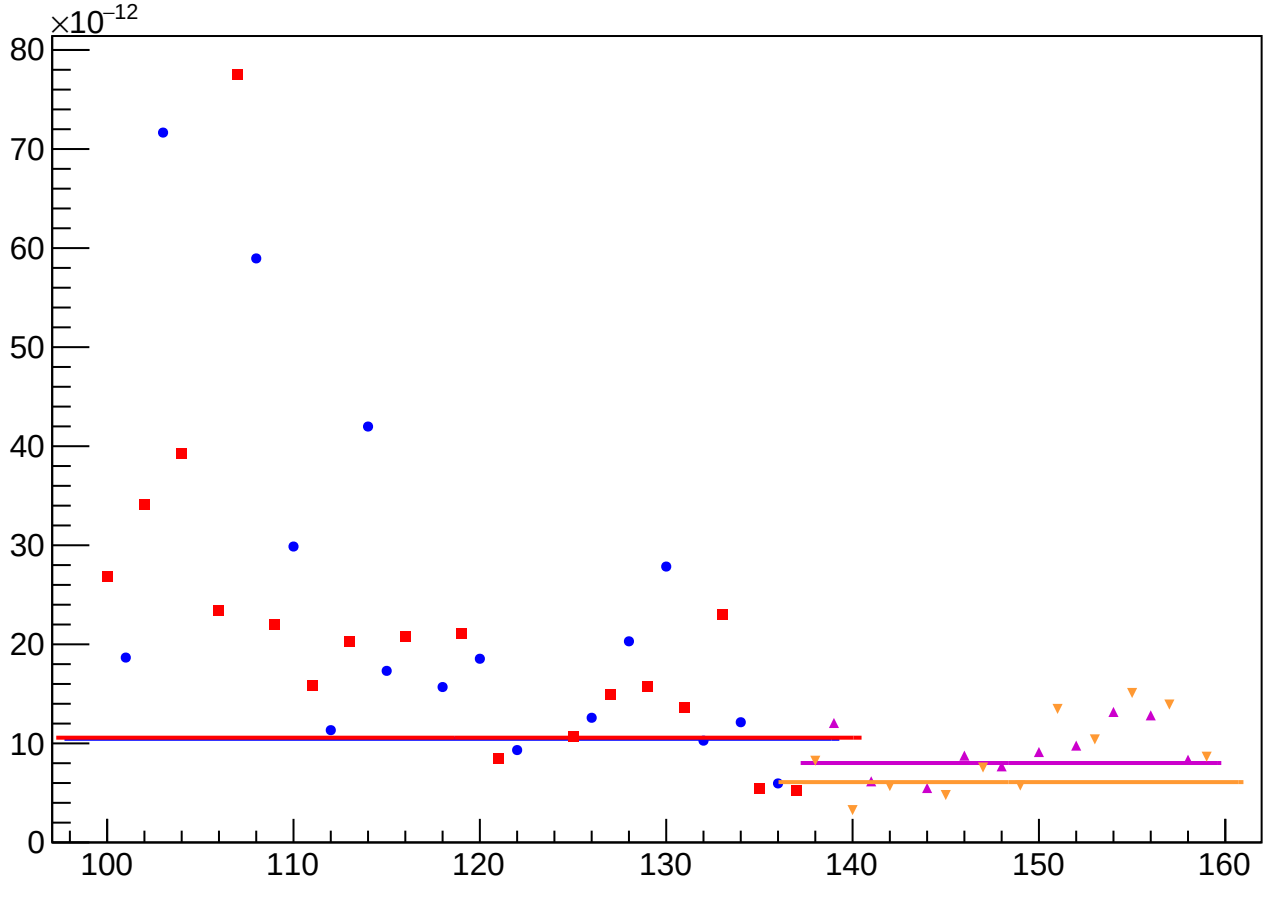
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:25.2/25

Out: 0.000+/-0.000 χ^2/NDF:21.1/28

All: 0.000+/-0.000 χ^2/NDF: 46.8/54

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:2354514.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:957504.5/9

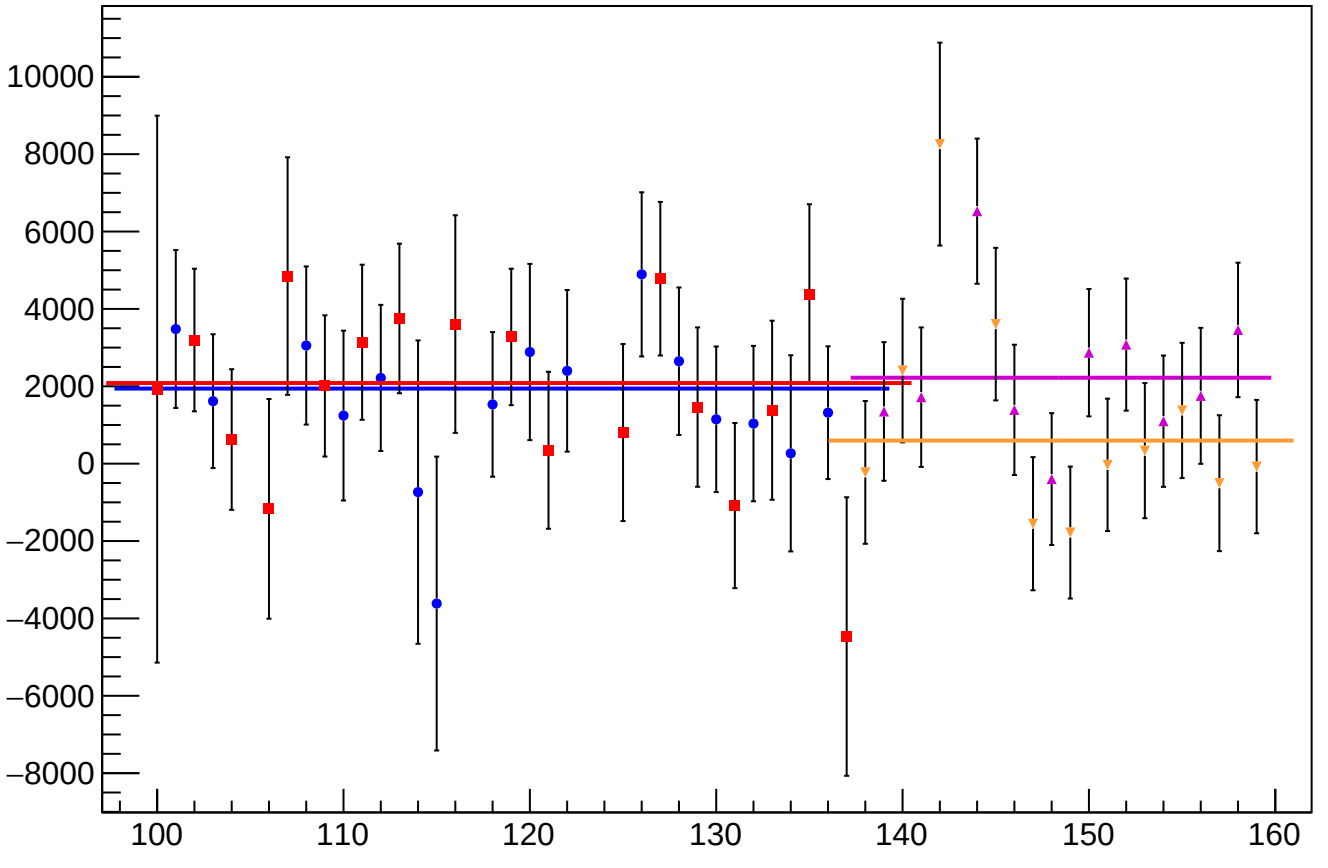
Left: 0.000+/-0.000 χ^2/NDF: 3699744.8/20

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4023132.7/25

Out: 0.000+/-0.000 χ^2/NDF:6018901.1/28

All: 0.000+/-0.000 χ^2/NDF: 10452619.2/54



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 597.419+/-548.358 χ^2/NDF:16.4/10

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2221.532+/-549.227 χ^2/NDF:9.6/9

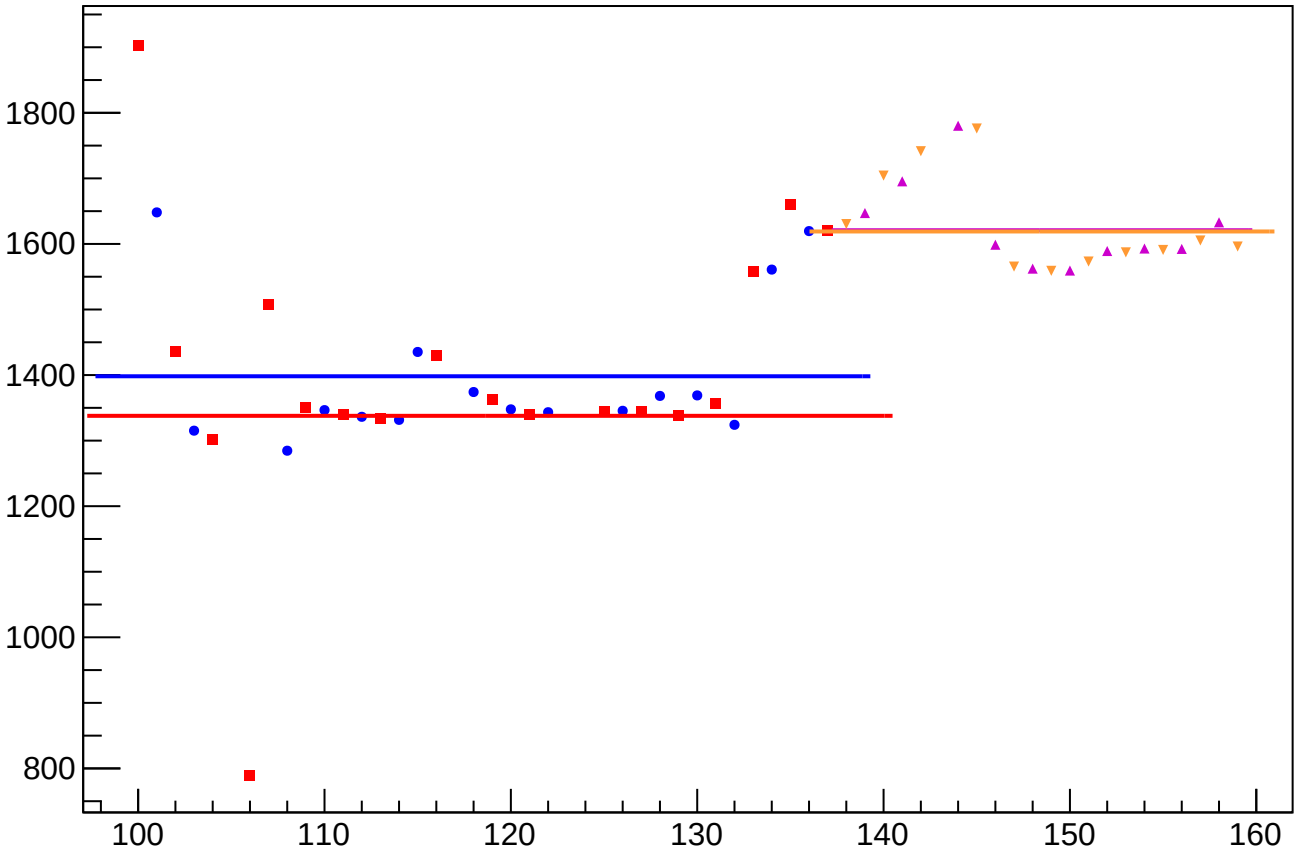
Left: 1408.190+/-388.054 χ^2/NDF: 30.4/20

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2074.174+/-378.435 χ^2/NDF:16.7/25

Out: 1380.709+/-377.163 χ^2/NDF:34.8/28

All: 1726.274+/-267.143 χ^2/NDF: 53.1/54



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1619.025+/-0.388 χ^2/NDF:28858.6/10

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

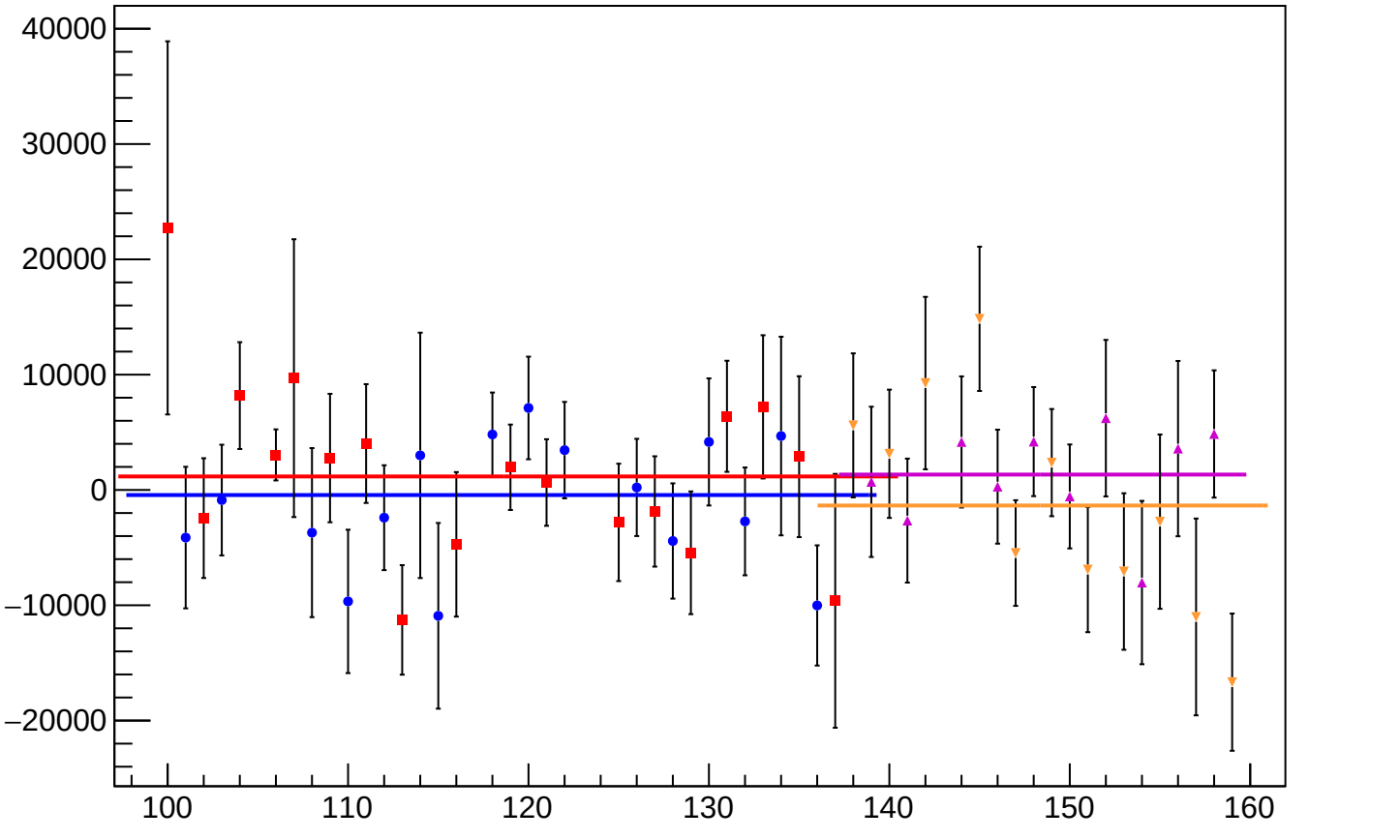
Left: 1619.963+/-0.274 χ^2/NDF: 54506.6/20

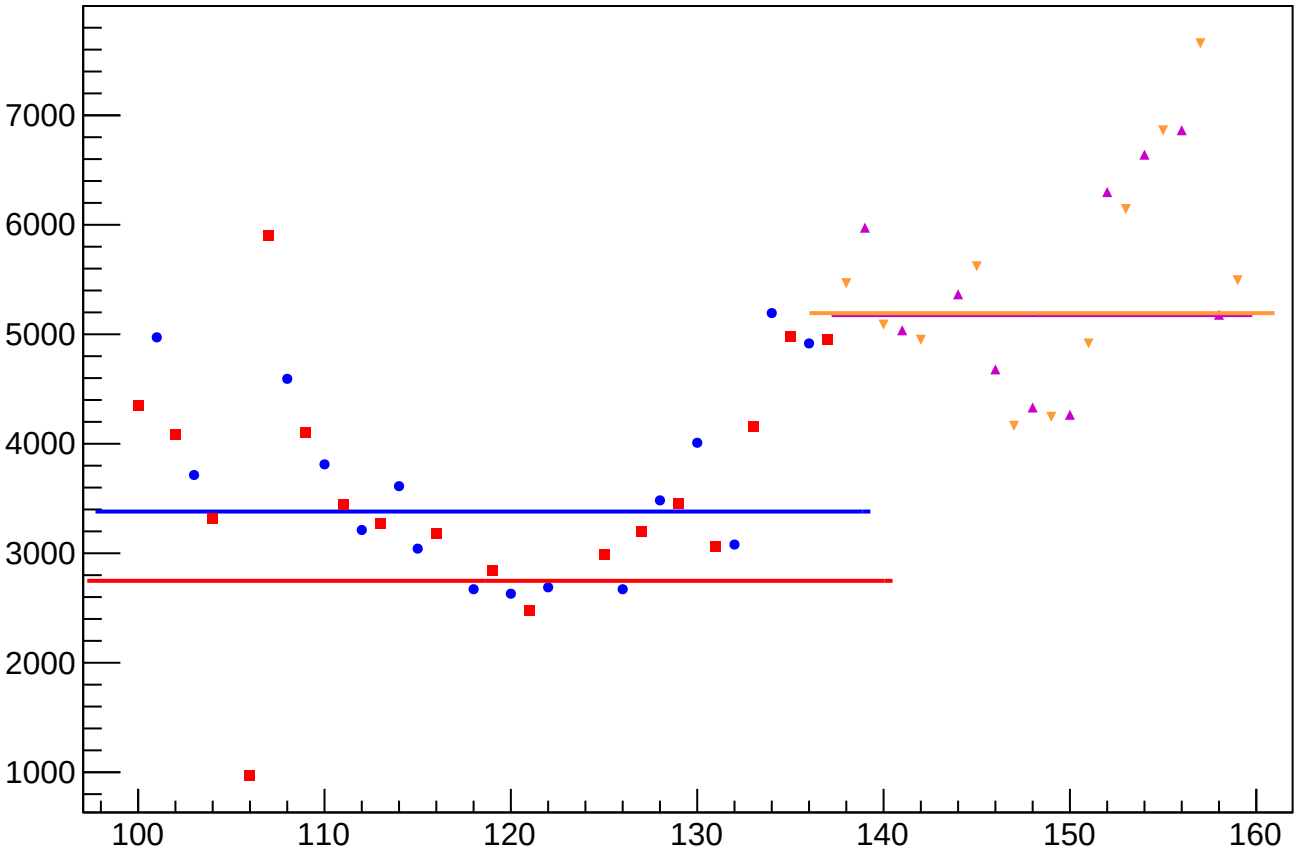
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1503.912+/-0.268 χ^2/NDF:292338.7/25

Out: 1466.404+/-0.262 χ^2/NDF:632078.4/28

All: 1484.776+/-0.187 χ^2/NDF: 934440.8/54


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1348.871+/-1794.689 χ²/NDF:21.8/10
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1335.027+/-1779.588 χ²/NDF:4.2/9
Left: 4.417+/-1263.664 χ²/NDF: 27.0/20
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 174.357+/-1047.586 χ²/NDF:20.7/25
Out: 465.191+/-950.090 χ²/NDF:42.8/28
All: 333.934+/-703.765 χ²/NDF: 63.6/54



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5193.293+/-1.269 χ^2/NDF:513878.0/10

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5175.359+/-1.258 χ^2/NDF:438073.6/9

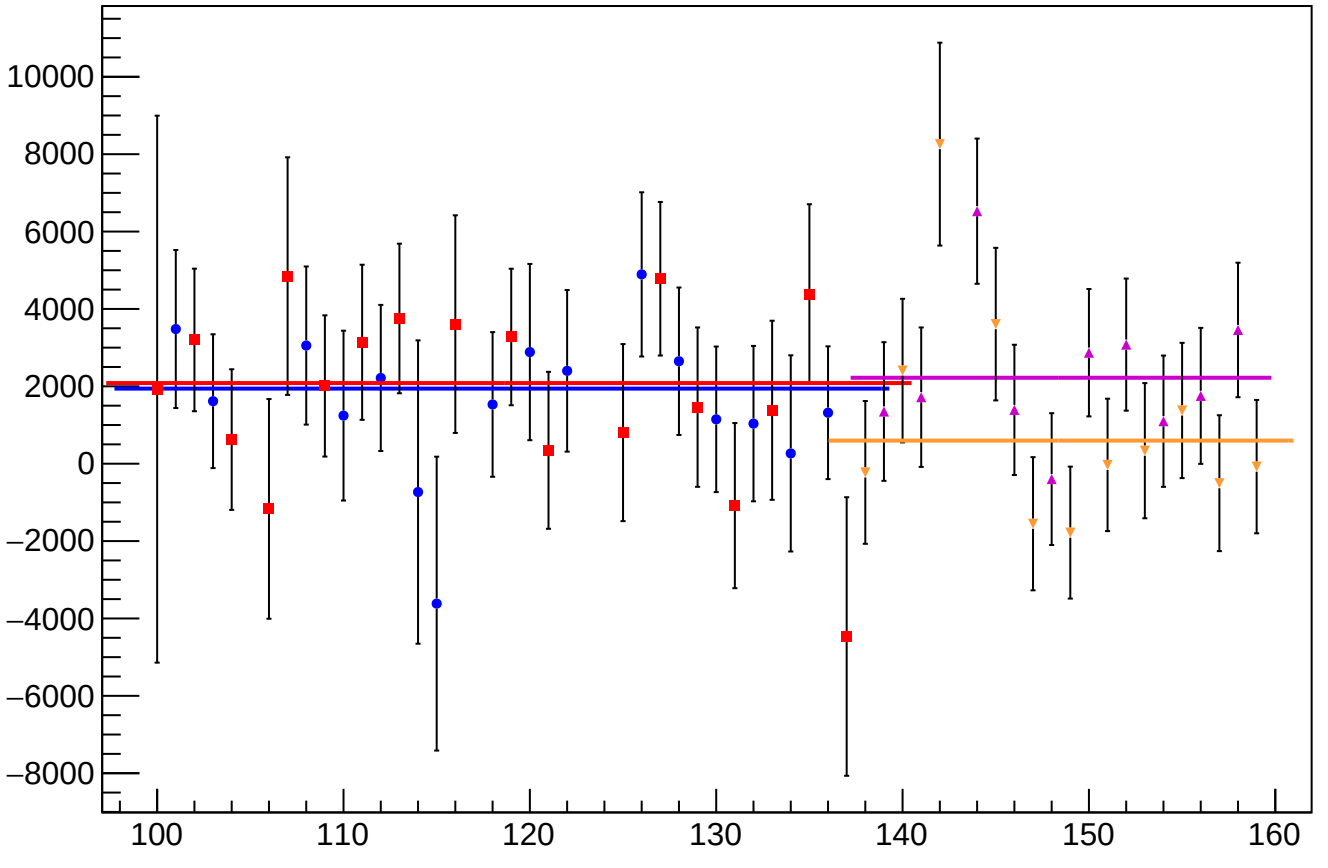
Left: 5184.251+/-0.894 χ^2/NDF: 952052.3/20

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4002.876+/-0.741 χ^2/NDF:2523773.3/25

Out: 3433.570+/-0.672 χ^2/NDF:5449976.2/28

All: 3690.504+/-0.498 χ^2/NDF: 8297840.4/54



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 597.484+/-548.358 χ^2/NDF:16.4/10

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2221.673+/-549.227 χ^2/NDF:9.6/9

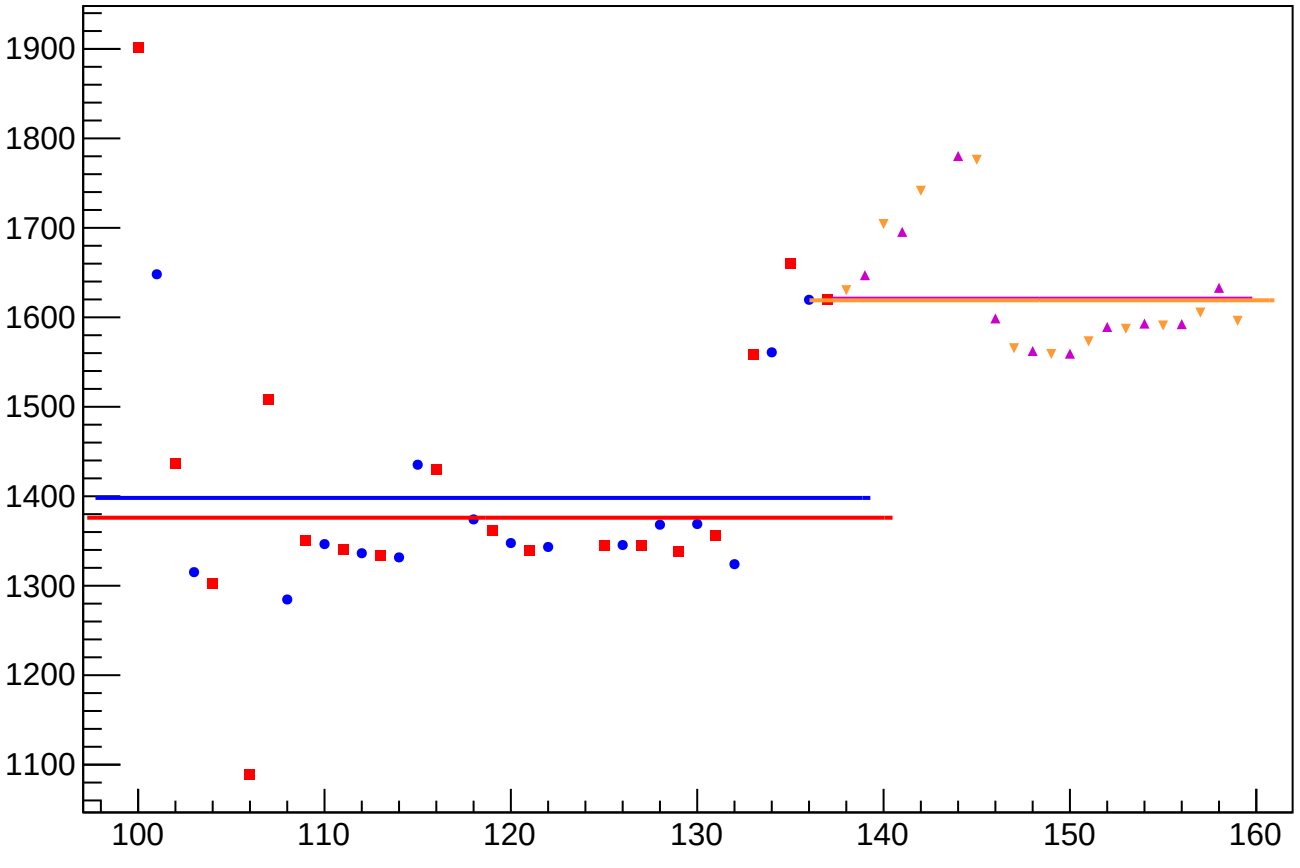
Left: 1408.292+/-388.054 χ^2/NDF: 30.4/20

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2074.270+/-378.435 χ^2/NDF:16.7/25

Out: 1380.848+/-377.165 χ^2/NDF:34.8/28

All: 1726.393+/-267.144 χ^2/NDF: 53.1/54



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1619.025+/-0.388 χ^2/NDF:28858.6/10

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

Left: 1619.963+/-0.274 χ^2/NDF: 54506.6/20

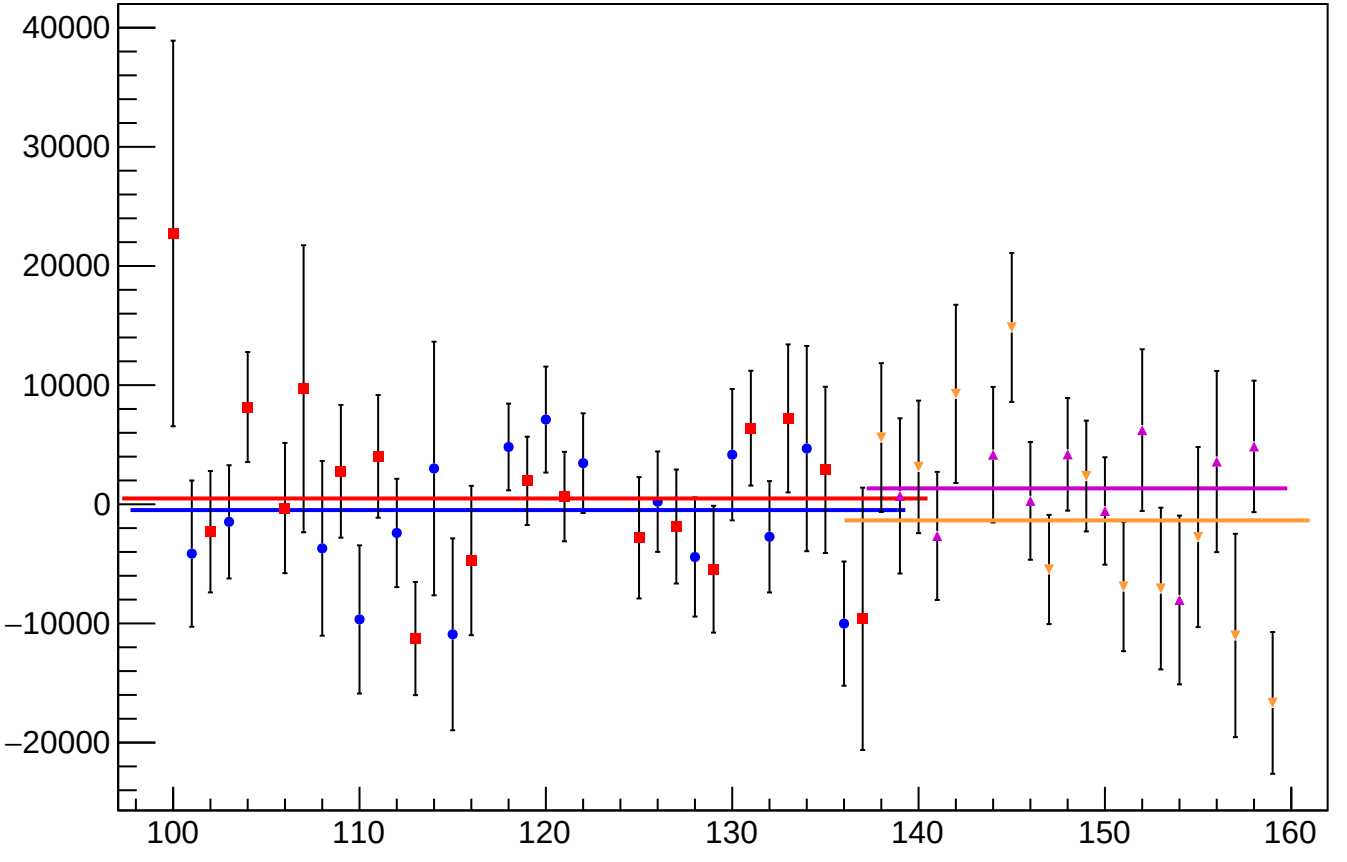
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1503.912+/-0.268 χ^2/NDF:292338.8/25

Out: 1489.361+/-0.265 χ^2/NDF:352463.6/28

All: 1496.561+/-0.188 χ^2/NDF: 646296.3/54

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1348.931+/-1794.690 χ^2/NDF:21.8/10

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1335.171+/-1779.586 χ^2/NDF:4.2/9

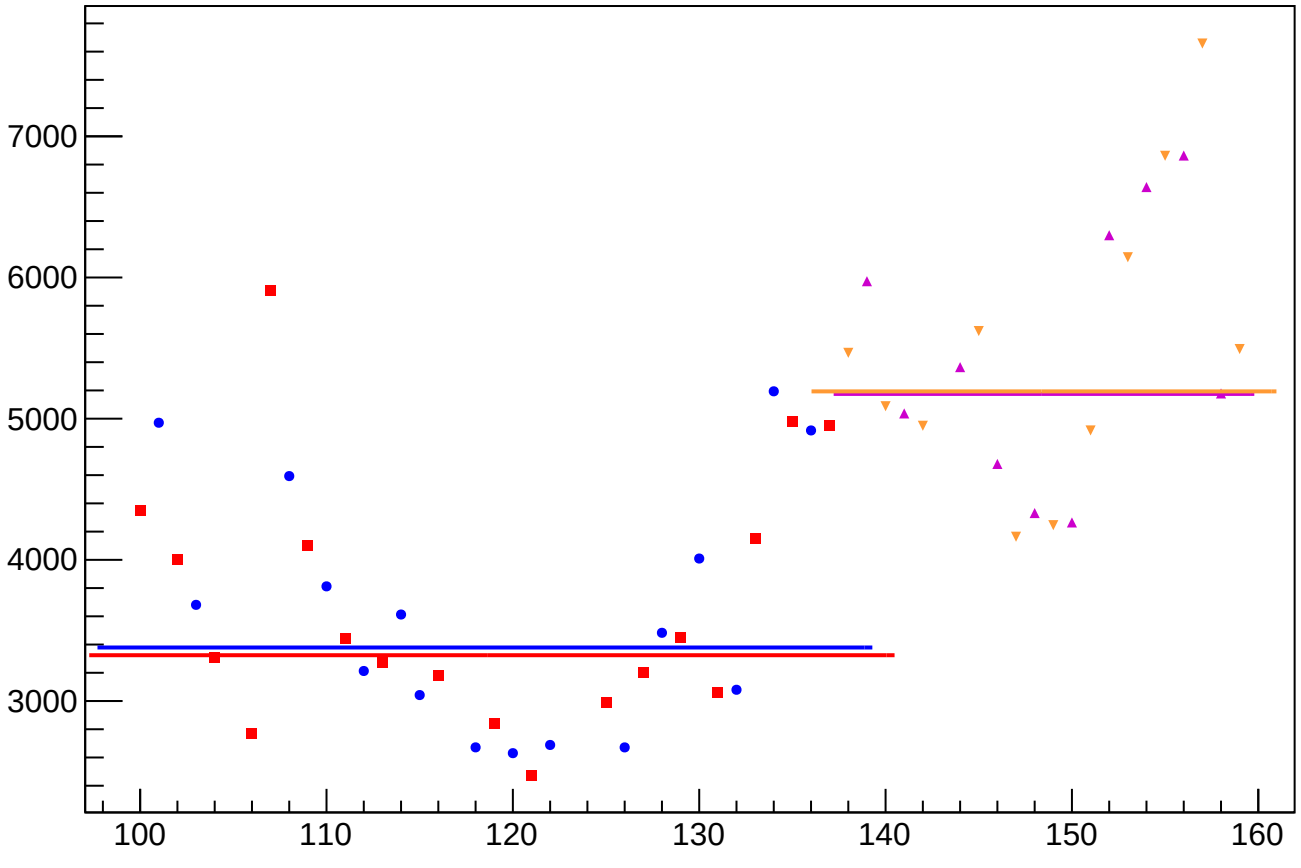
Left: 4.462+/-1263.664 χ^2/NDF: 27.0/20

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 144.095+/-1047.065 χ^2/NDF:20.8/25

Out: -118.940+/-1031.948 χ^2/NDF:41.2/28

All: 10.665+/-734.984 χ^2/NDF: 62.0/54



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5193.296+/-1.269 χ^2/NDF:513876.7/10

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

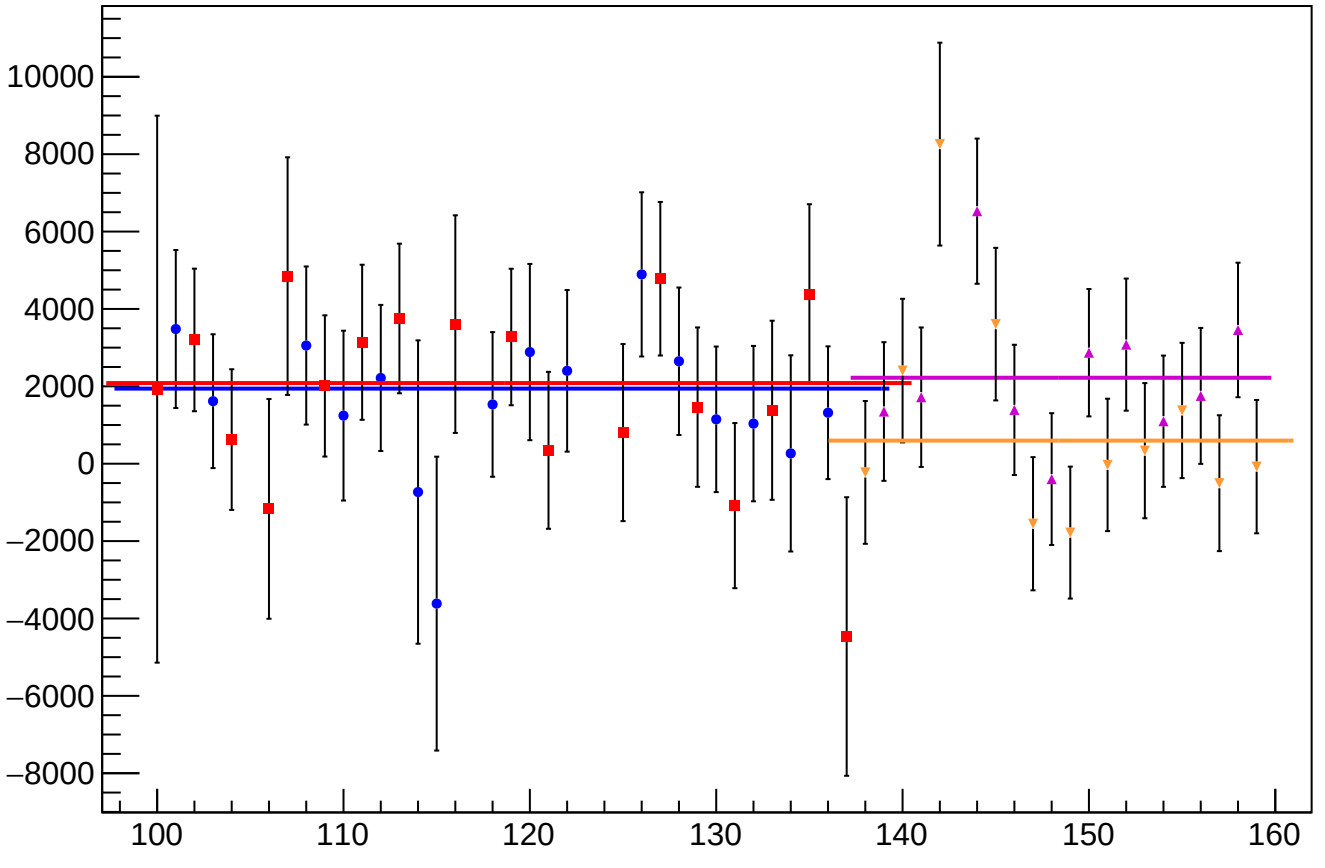
Left: 5184.249+/-0.894 χ^2/NDF: 952055.2/20

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4000.944+/-0.740 χ^2/NDF:2525639.8/25

Out: 3942.339+/-0.730 χ^2/NDF:2509358.0/28

All: 3971.215+/-0.520 χ^2/NDF: 5038176.1/54



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 597.484+/-548.358 χ^2/NDF:16.4/10

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2221.673+/-549.227 χ^2/NDF:9.6/9

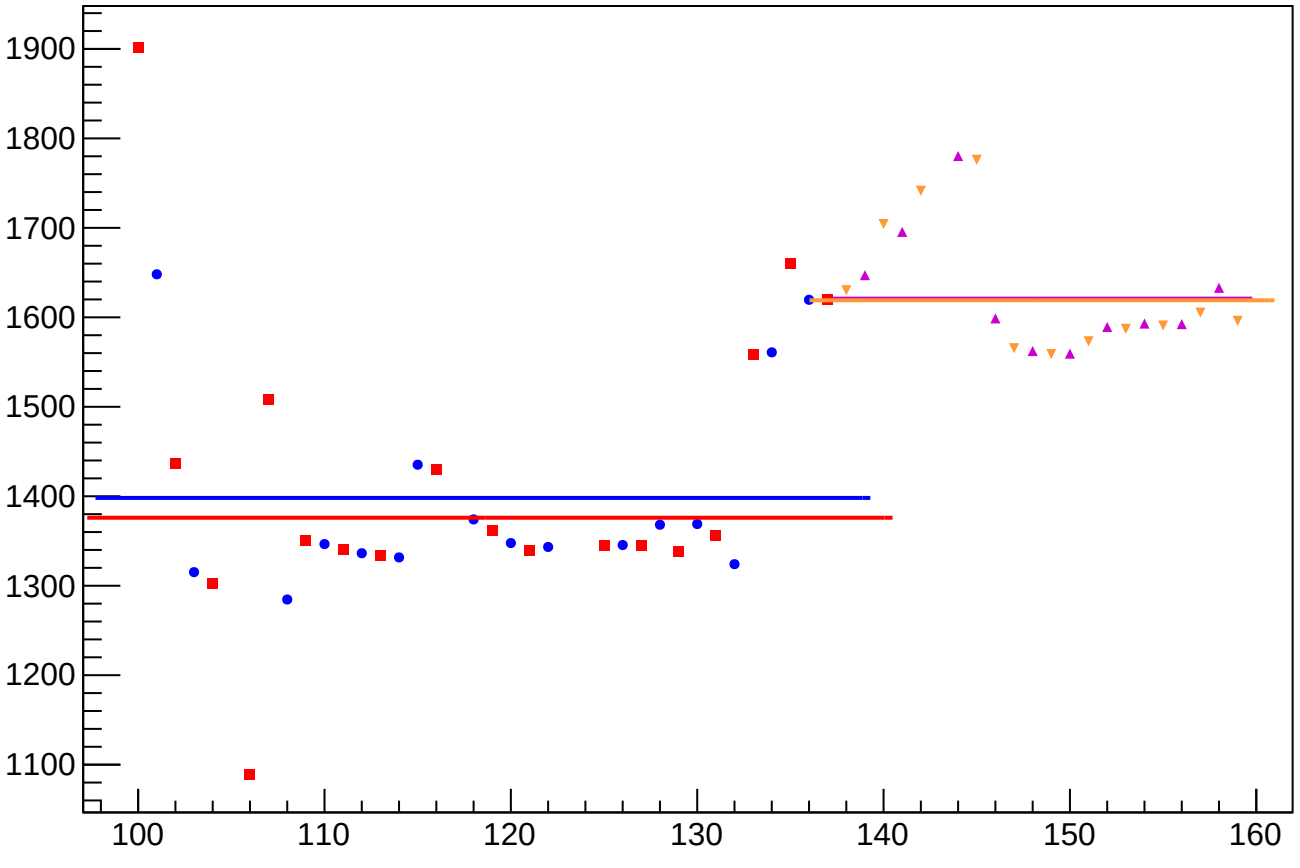
Left: 1408.292+/-388.054 χ^2/NDF: 30.4/20

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2074.270+/-378.435 χ^2/NDF:16.7/25

Out: 1380.848+/-377.165 χ^2/NDF:34.8/28

All: 1726.393+/-267.144 χ^2/NDF: 53.1/54



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1619.025+/-0.388 χ^2/NDF:28858.6/10

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

Left: 1619.963+/-0.274 χ^2/NDF: 54506.6/20

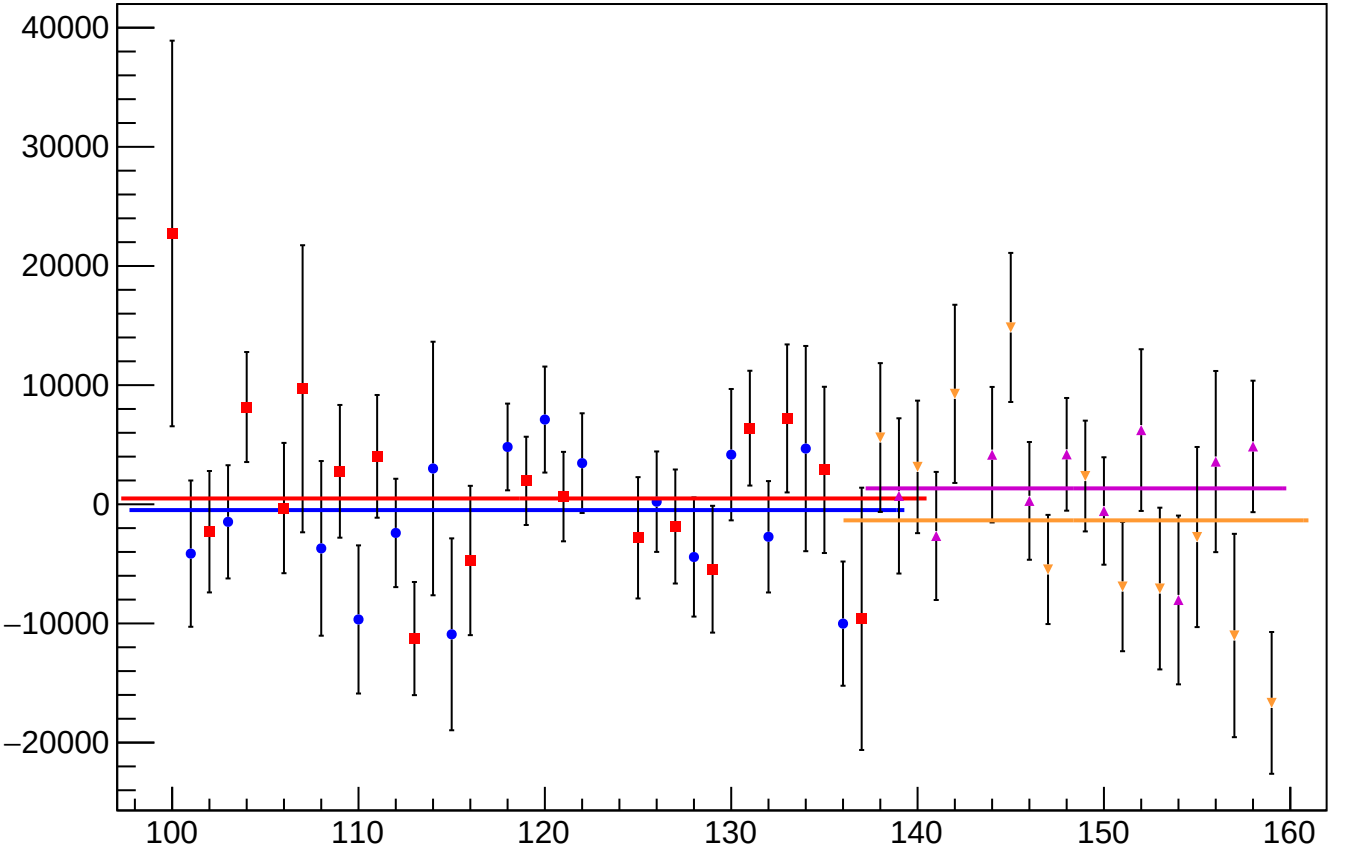
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1503.912+/-0.268 χ^2/NDF:292338.8/25

Out: 1489.361+/-0.265 χ^2/NDF:352463.6/28

All: 1496.561+/-0.188 χ^2/NDF: 646296.3/54

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: -1348.931+/-1794.690 χ^2/NDF:21.8/10

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1335.171+/-1779.586 χ^2/NDF:4.2/9

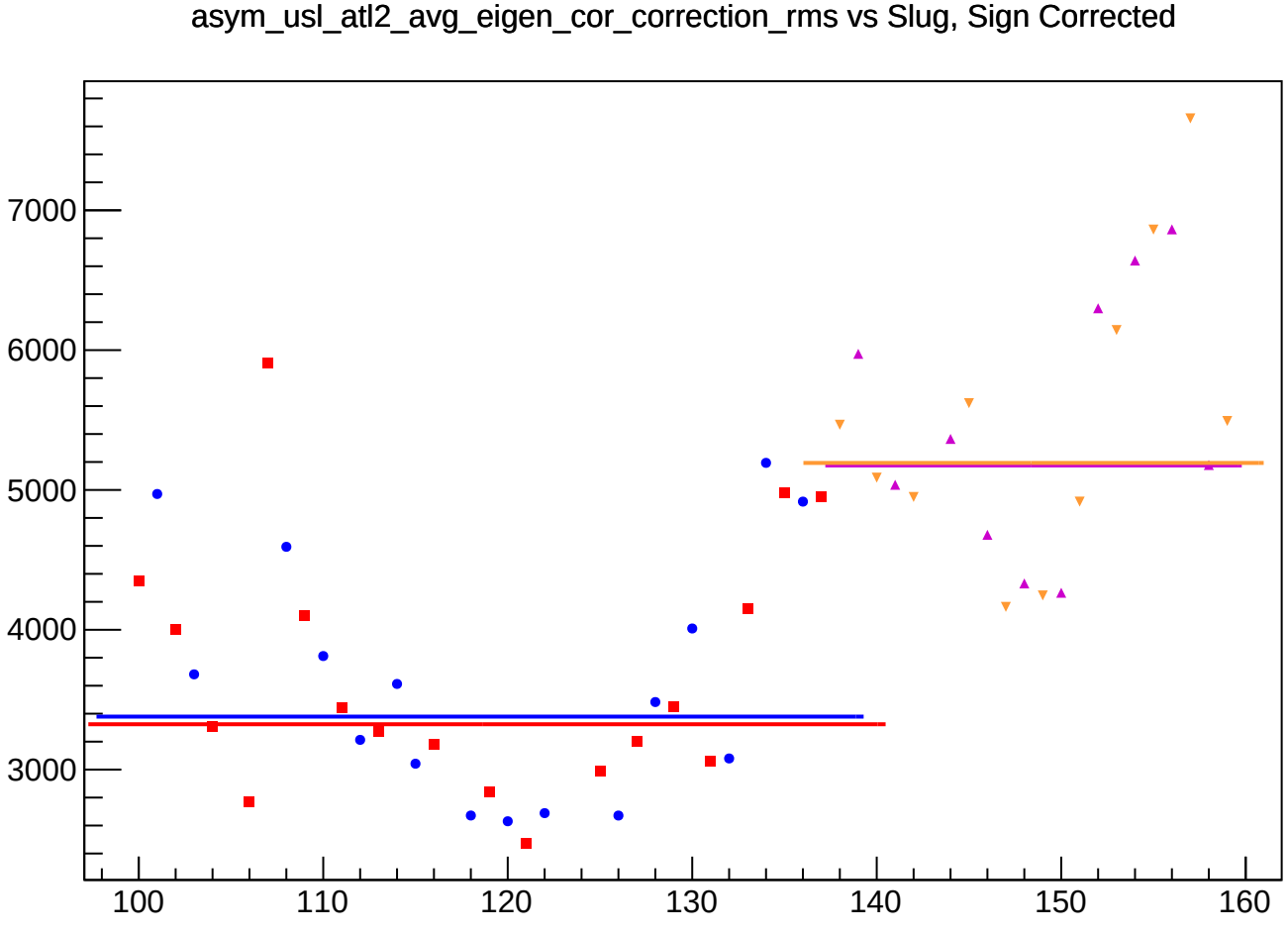
Left: 4.462+/-1263.664 χ^2/NDF: 27.0/20

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 144.095+/-1047.065 χ^2/NDF:20.8/25

Out: -118.940+/-1031.948 χ^2/NDF:41.2/28

All: 10.665+/-734.984 χ^2/NDF: 62.0/54



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5193.296+/-1.269 χ^2/NDF:513876.7/10

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

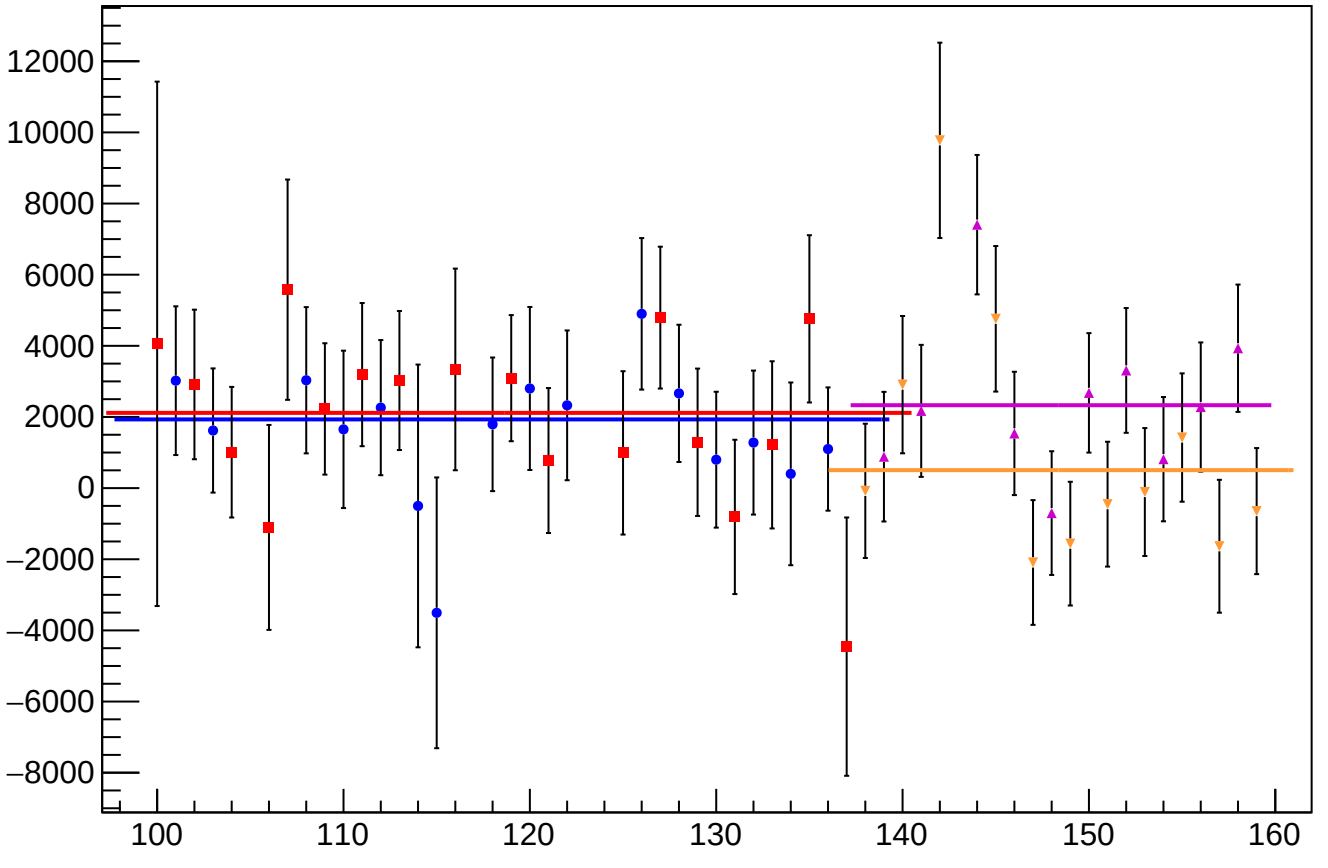
Left: 5184.249+/-0.894 χ^2/NDF: 952055.2/20

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4000.944+/-0.740 χ^2/NDF:2525639.8/25

Out: 3942.339+/-0.730 χ^2/NDF:2509358.0/28

All: 3971.215+/-0.520 χ^2/NDF: 5038176.1/54



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 505.348+/-565.878 χ^2/NDF:23.4/10

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2330.796+/-564.493 χ^2/NDF:12.5/9

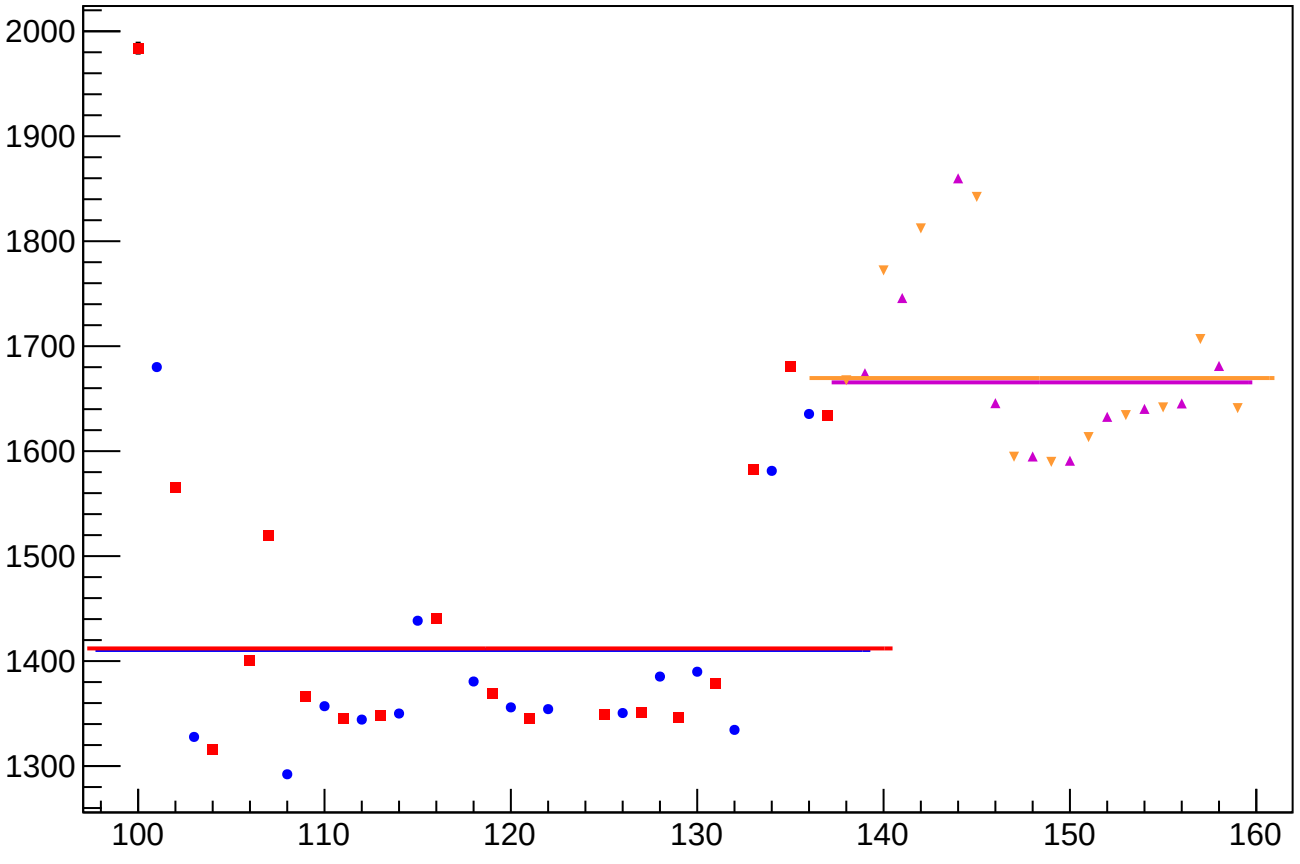
Left: 1420.308+/-399.646 χ^2/NDF: 41.1/20

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2117.519+/-385.271 χ^2/NDF:19.1/25

Out: 1364.732+/-386.362 χ^2/NDF:40.9/28

All: 1742.190+/-272.813 χ^2/NDF: 62.0/54



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1669.634+/-0.400 χ^2/NDF:37765.2/10

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1665.527+/-0.399 χ^2/NDF:32486.7/9

Left: 1667.575+/-0.283 χ^2/NDF: 70304.7/20

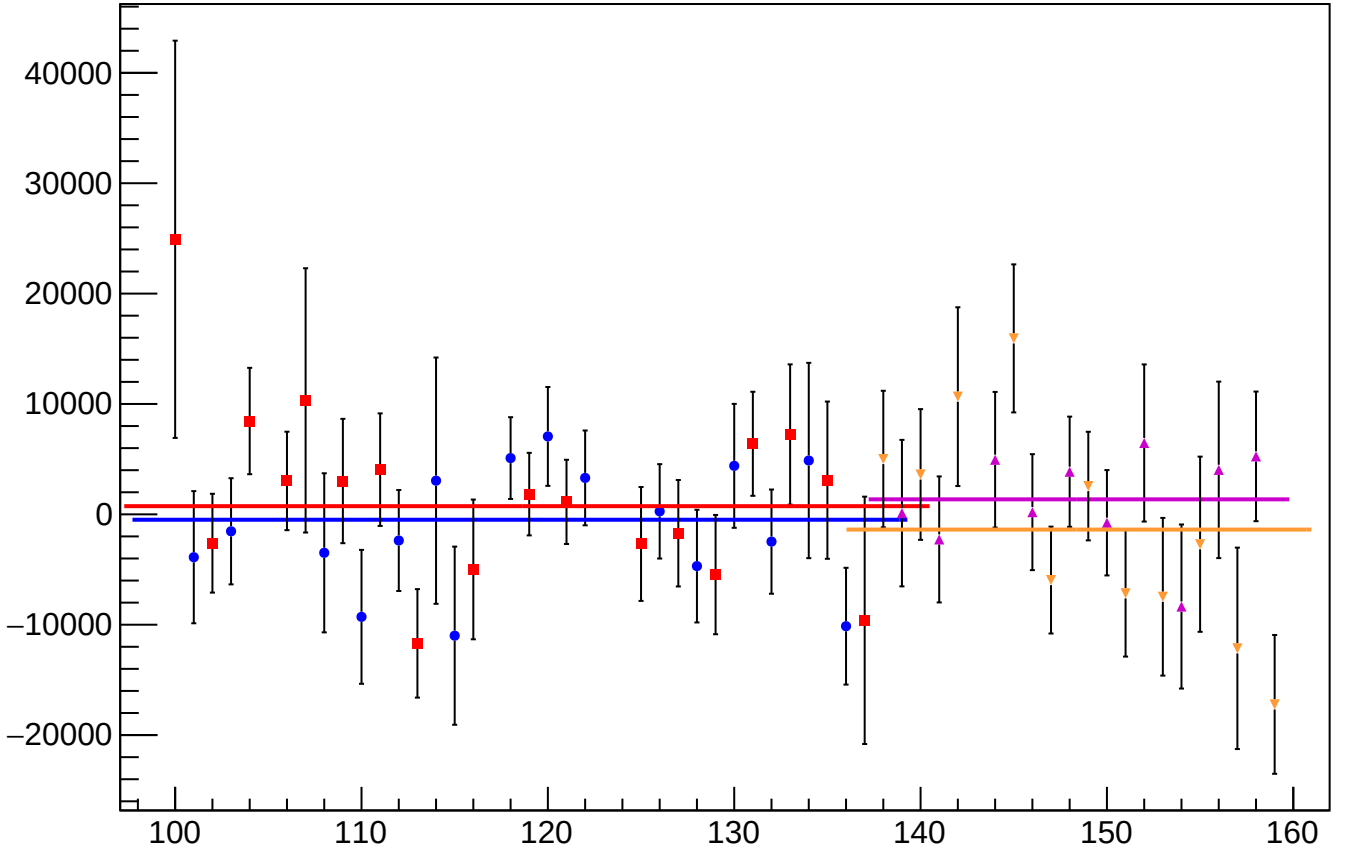
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1529.347+/-0.272 χ^2/NDF:349533.1/25

Out: 1531.784+/-0.273 χ^2/NDF:349244.4/28

All: 1530.564+/-0.193 χ^2/NDF: 698817.4/54

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1380.609+/-1891.998 χ^2/NDF:21.7/10

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1358.966+/-1881.042 χ^2/NDF:4.1/9

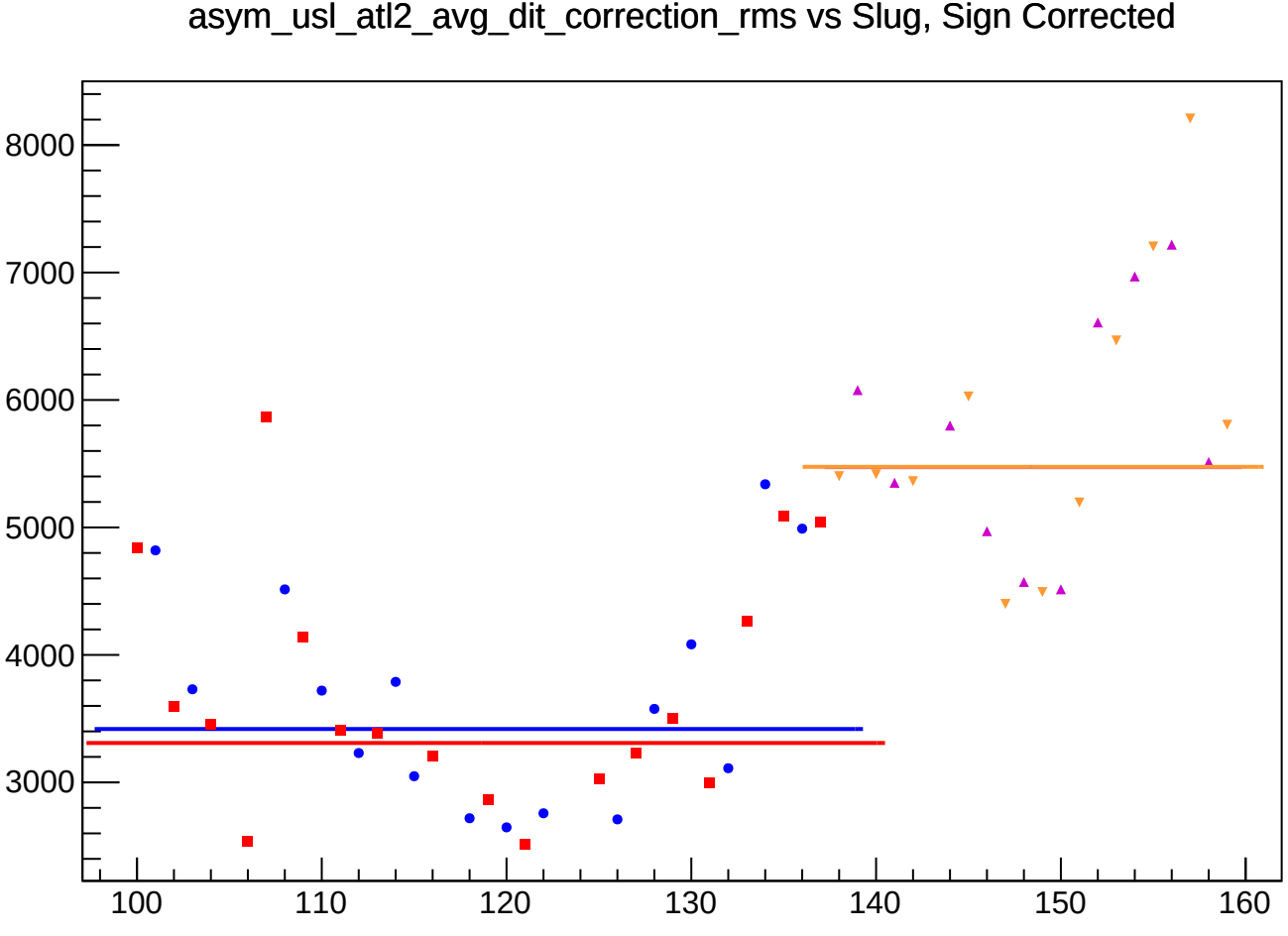
Left: -2.867+/-1333.954 χ^2/NDF: 26.8/20

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 113.465+/-1074.274 χ^2/NDF:20.5/25

Out: 97.516+/-1041.744 χ^2/NDF:41.8/28

All: 105.245+/-747.860 χ^2/NDF: 62.3/54



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5475.580+/-1.338 χ^2/NDF:515974.6/10

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5473.600+/-1.330 χ^2/NDF:414564.4/9

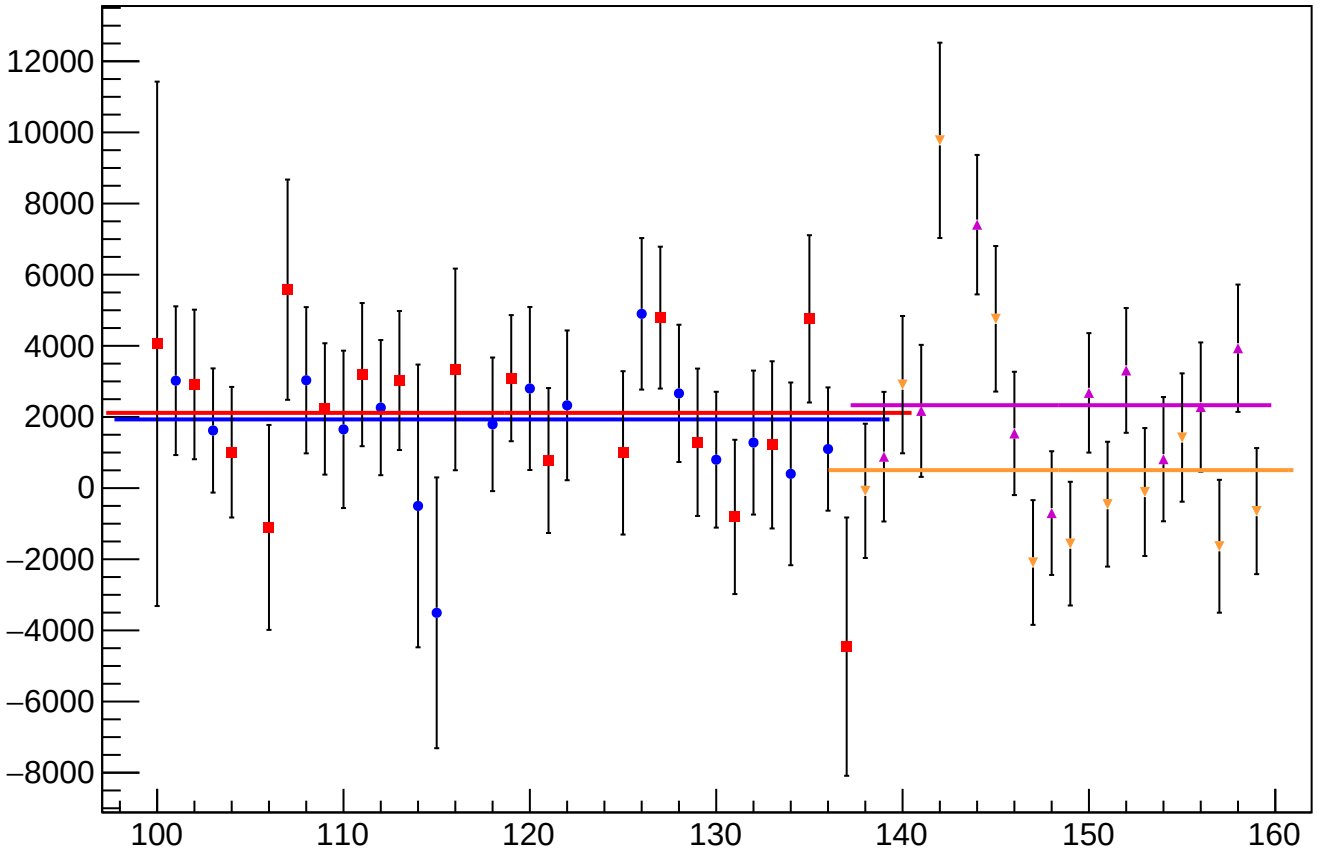
Left: 5474.585+/-0.943 χ^2/NDF: 930540.1/20

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4088.931+/-0.760 χ^2/NDF:2744089.3/25

Out: 3965.912+/-0.737 χ^2/NDF:2915268.6/28

All: 4025.530+/-0.529 χ^2/NDF: 5672874.4/54



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 505.343+/-565.878 χ^2/NDF:23.4/10

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2330.799+/-564.494 χ^2/NDF:12.5/9

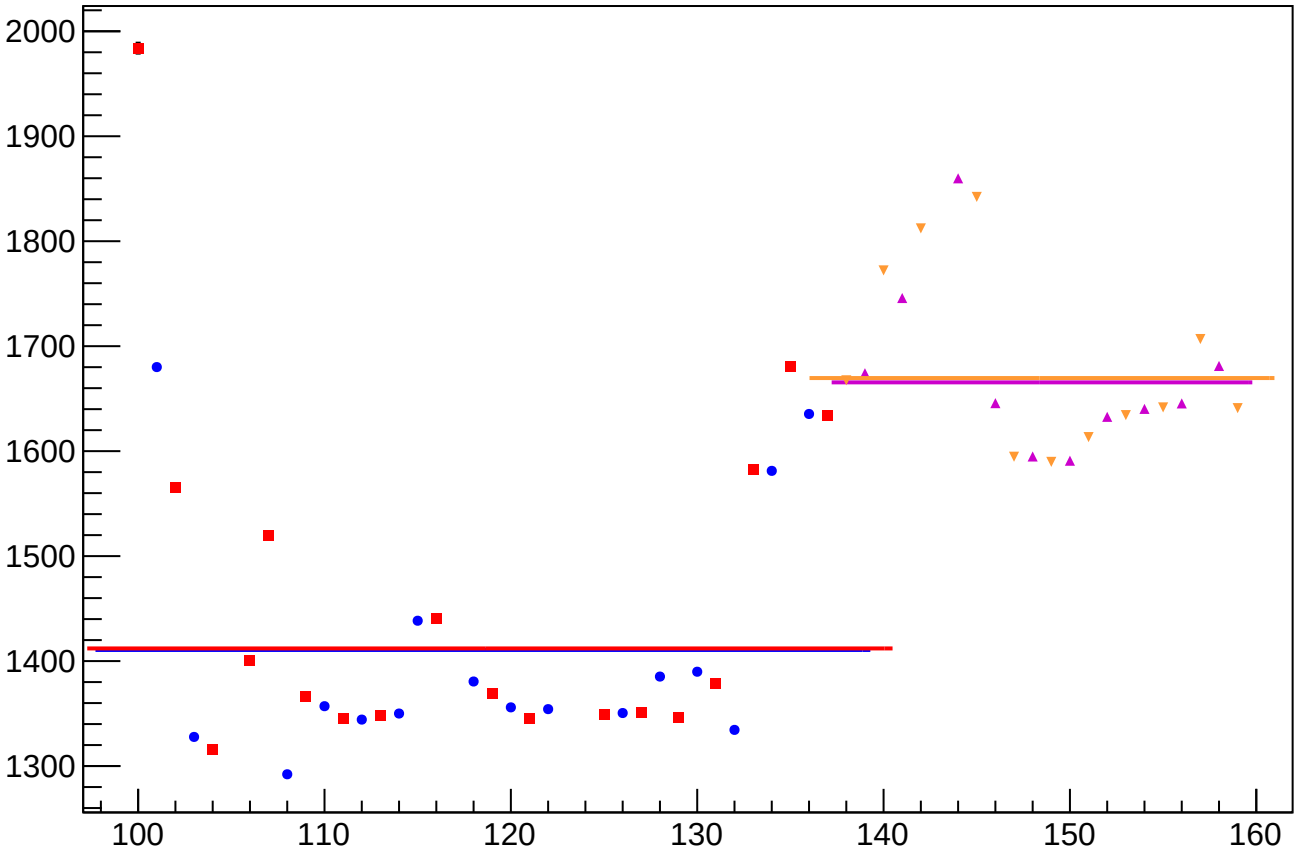
Left: 1420.307+/-399.646 χ^2/NDF: 41.1/20

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2117.521+/-385.272 χ^2/NDF:19.1/25

Out: 1364.730+/-386.362 χ^2/NDF:40.9/28

All: 1742.190+/-272.813 χ^2/NDF: 62.0/54



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1669.635+/-0.400 χ^2/NDF:37766.0/10

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1665.529+/-0.399 χ^2/NDF:32487.1/9

Left: 1667.577+/-0.283 χ^2/NDF: 70305.9/20

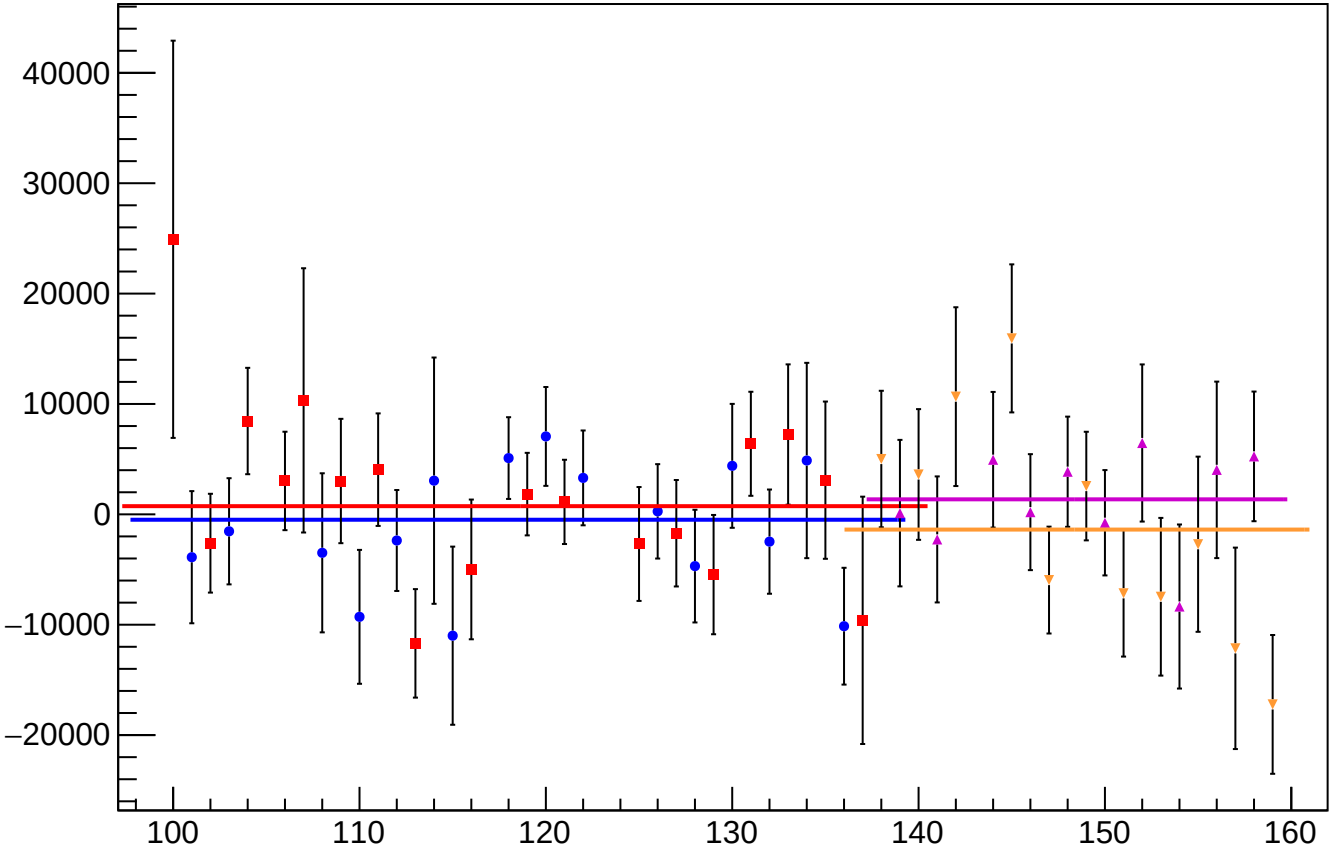
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1529.348+/-0.272 χ^2/NDF:349535.5/25

Out: 1531.785+/-0.273 χ^2/NDF:349247.8/28

All: 1530.565+/-0.193 χ^2/NDF: 698823.3/54

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: -1380.619+/-1892.001 χ^2/NDF:21.7/10

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1358.969+/-1881.045 χ^2/NDF:4.1/9

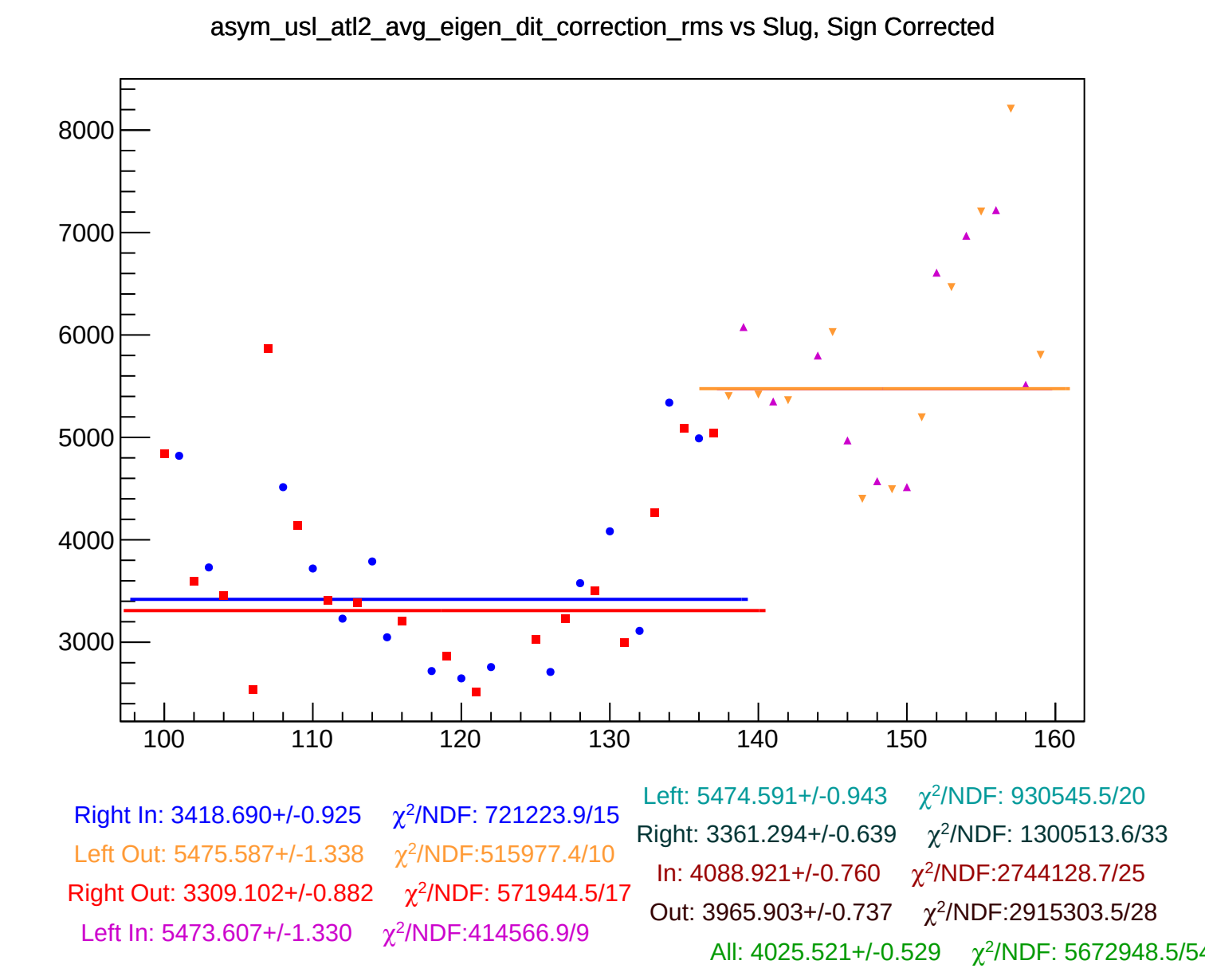
Left: -2.870+/-1333.956 χ^2/NDF: 26.8/20

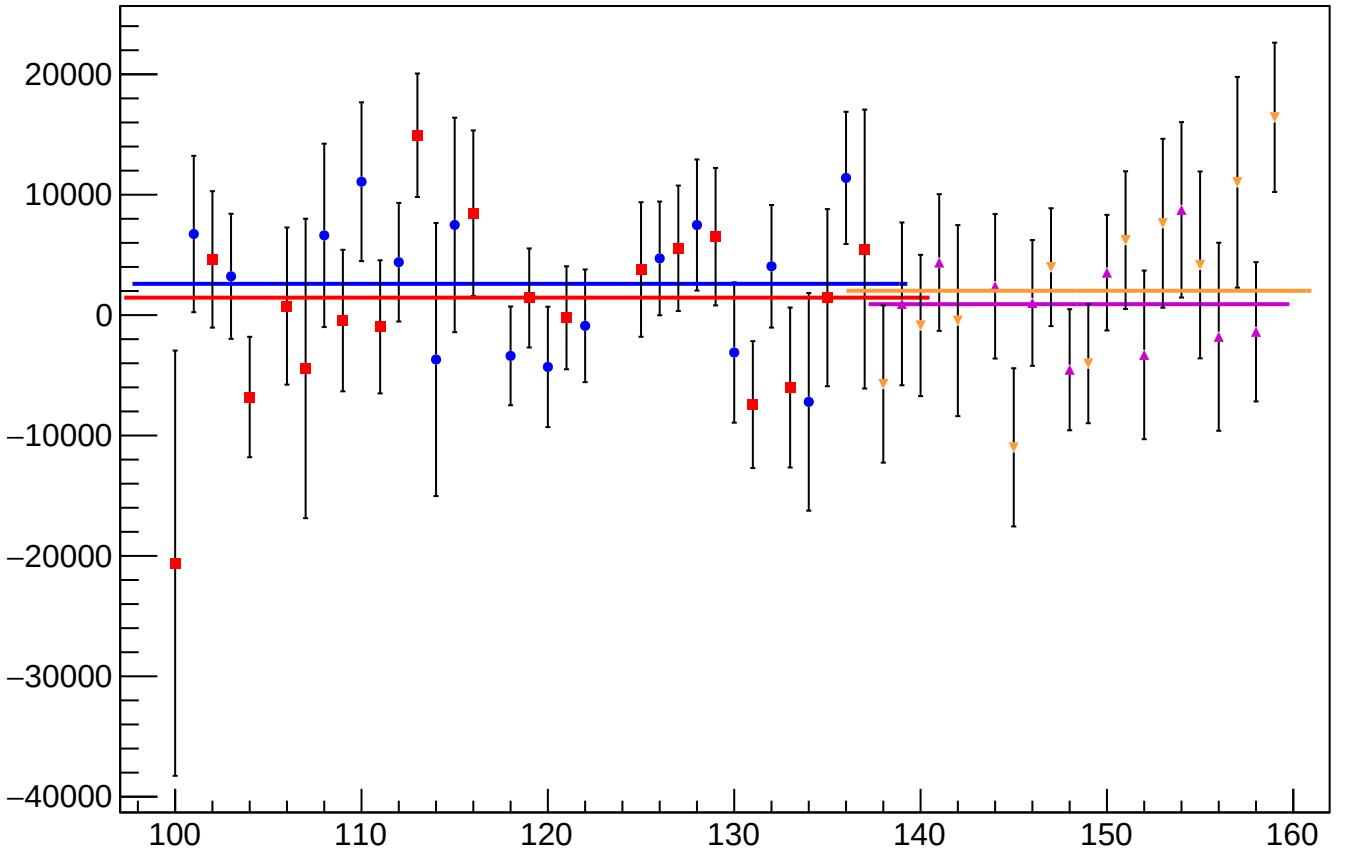
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 113.467+/-1074.272 χ^2/NDF:20.5/25

Out: 97.518+/-1041.742 χ^2/NDF:41.8/28

All: 105.248+/-747.859 χ^2/NDF: 62.3/54


asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 3418.690+/-0.925 χ²/NDF: 721223.9/15
Left Out: 5475.587+/-1.338 χ²/NDF:515977.4/10
Right Out: 3309.102+/-0.882 χ²/NDF: 571944.5/17
Left In: 5473.607+/-1.330 χ²/NDF:414566.9/9
Left: 5474.591+/-0.943 χ²/NDF: 930545.5/20
Right: 3361.294+/-0.639 χ²/NDF: 1300513.6/33
In: 4088.921+/-0.760 χ²/NDF:2744128.7/25
Out: 3965.903+/-0.737 χ²/NDF:2915303.5/28
All: 4025.521+/-0.529 χ²/NDF: 5672948.5/54



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2022.190+/-1887.900 χ^2/NDF:15.0/10

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 908.327+/-1870.874 χ^2/NDF:3.7/9

Left: 1460.213+/-1328.886 χ^2/NDF: 18.9/20

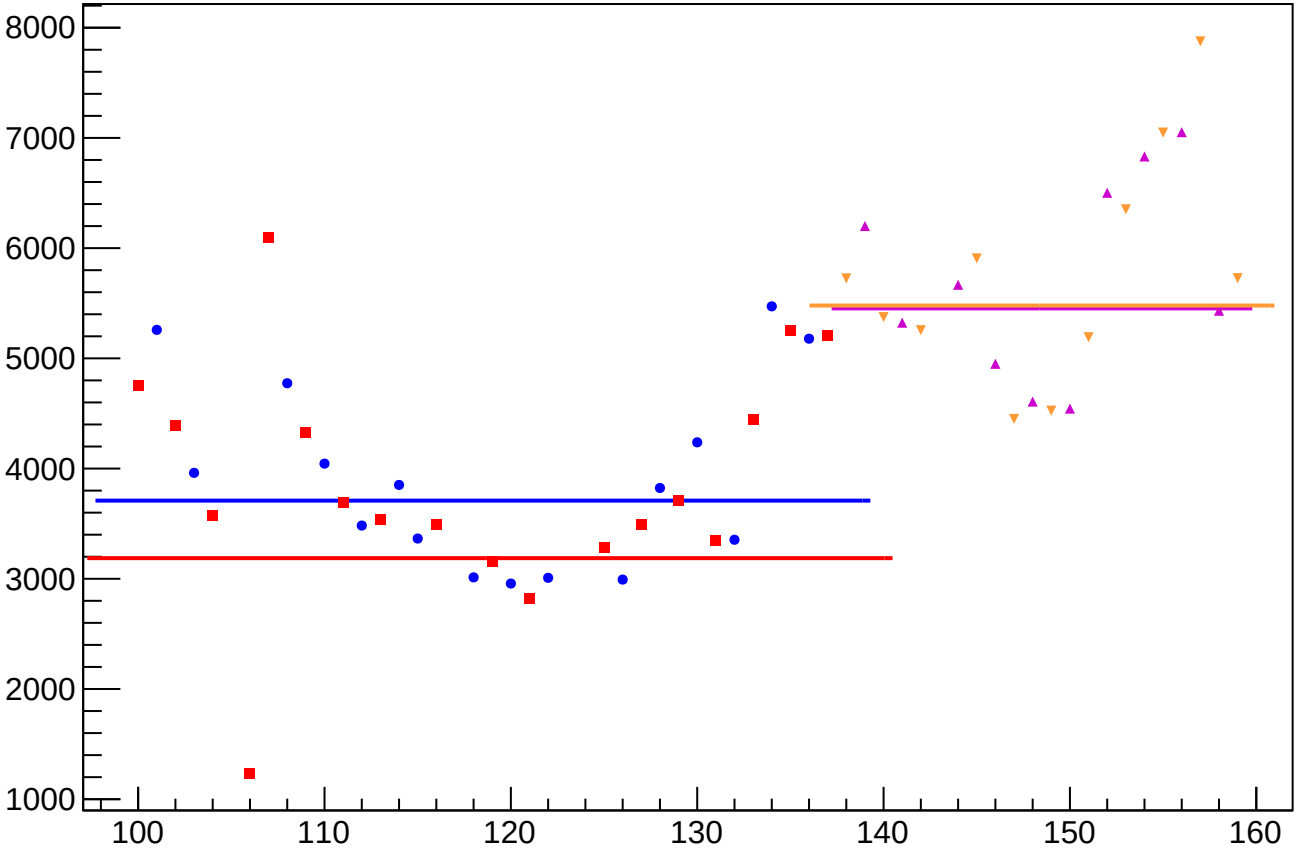
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1984.466+/-1128.307 χ^2/NDF:17.7/25

Out: 1650.065+/-1115.574 χ^2/NDF:34.1/28

All: 1815.368+/-793.293 χ^2/NDF: 51.9/54

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5479.100+/-1.335 χ^2/NDF:447066.4/10

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5453.344+/-1.323 χ^2/NDF:375141.6/9

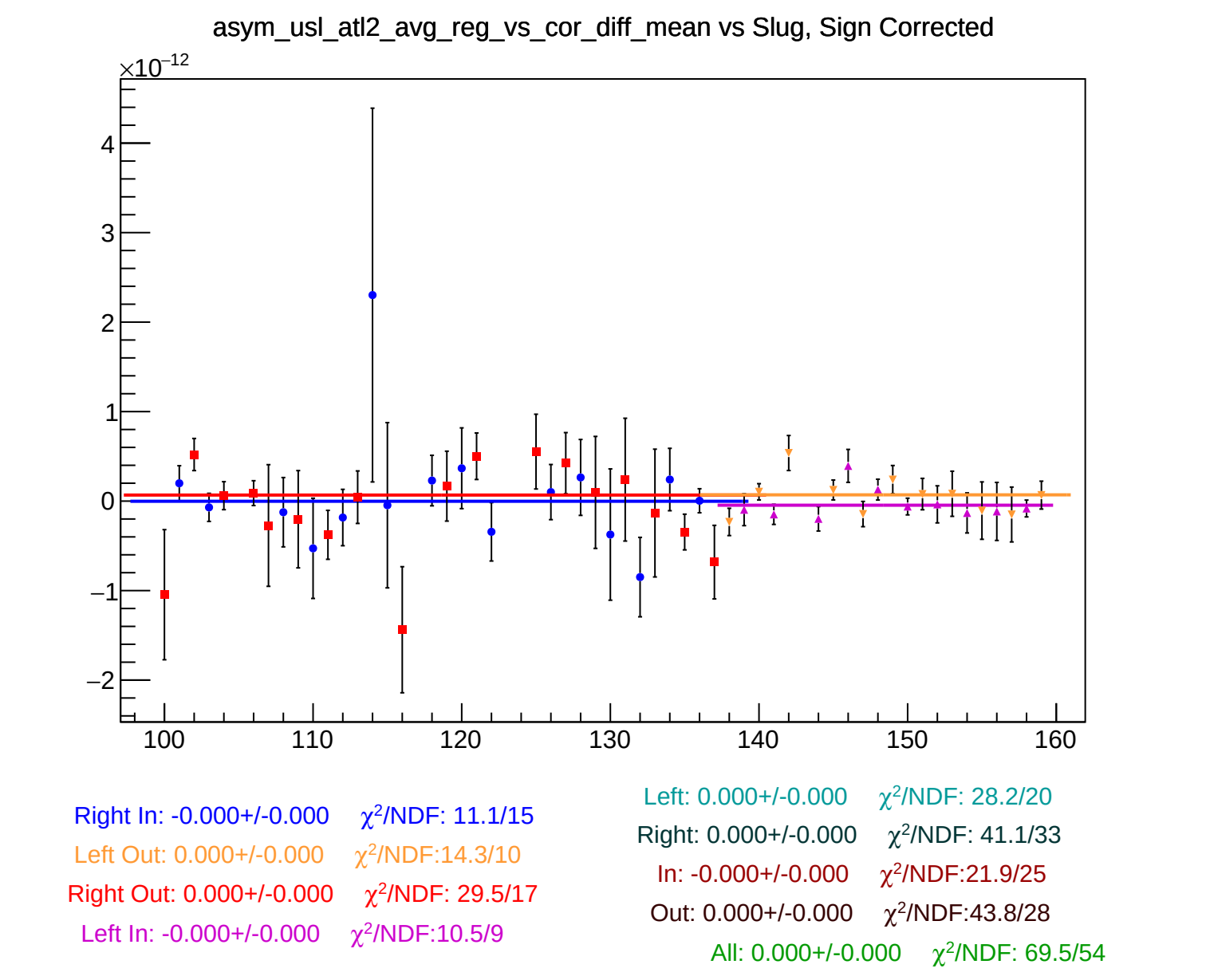
Left: 5466.105+/-0.940 χ^2/NDF: 822395.8/20

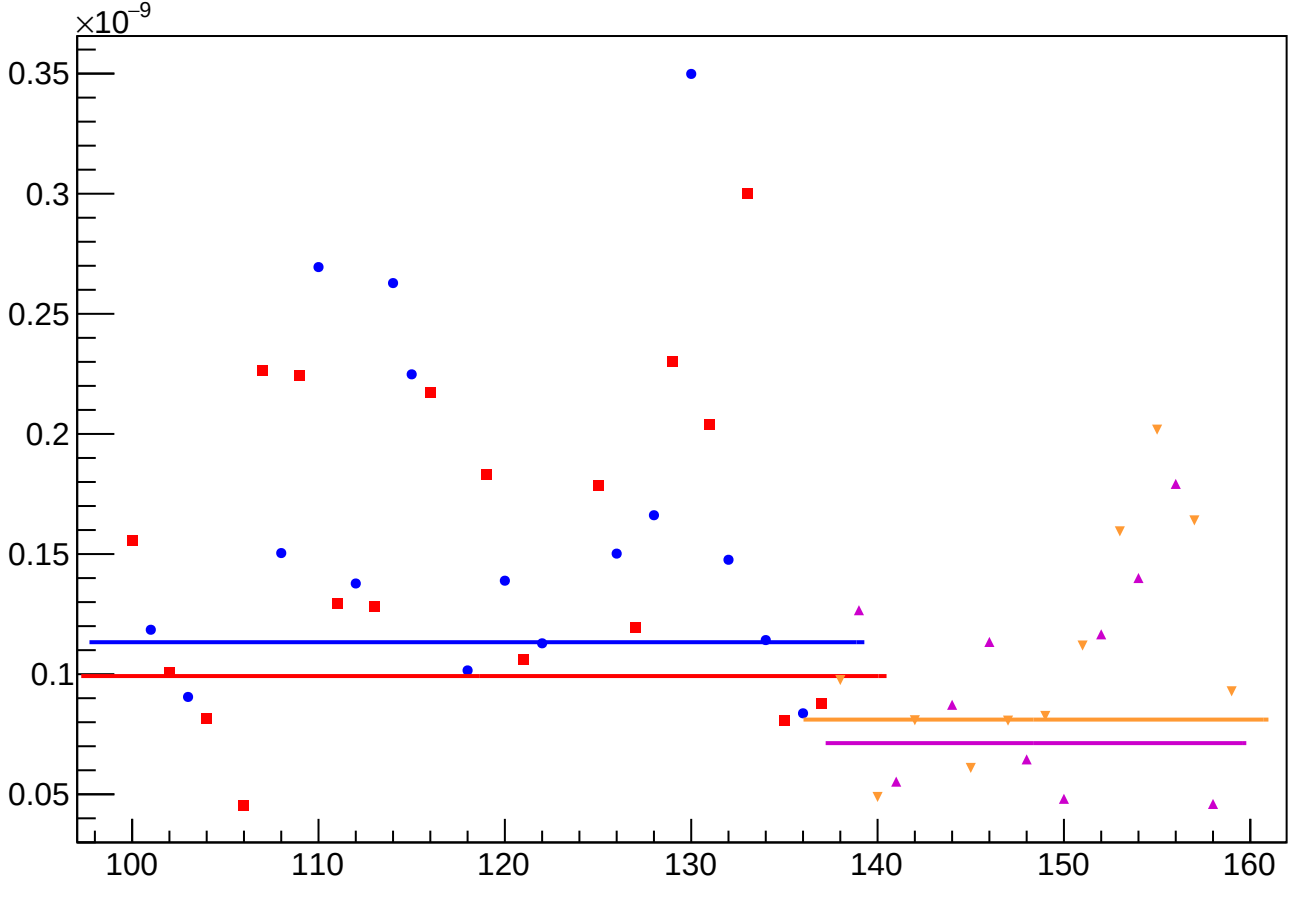
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4343.547+/-0.798 χ^2/NDF:2091837.8/25

Out: 3898.536+/-0.744 χ^2/NDF:4090623.4/28

All: 4105.437+/-0.544 χ^2/NDF: 6348926.7/54


asym_usl_atl2_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
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:14.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:10.5/9
Left: 0.000+/-0.000 χ²/NDF: 28.2/20
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:21.9/25
Out: 0.000+/-0.000 χ²/NDF:43.8/28
All: 0.000+/-0.000 χ²/NDF: 69.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035352.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1147245.0/9

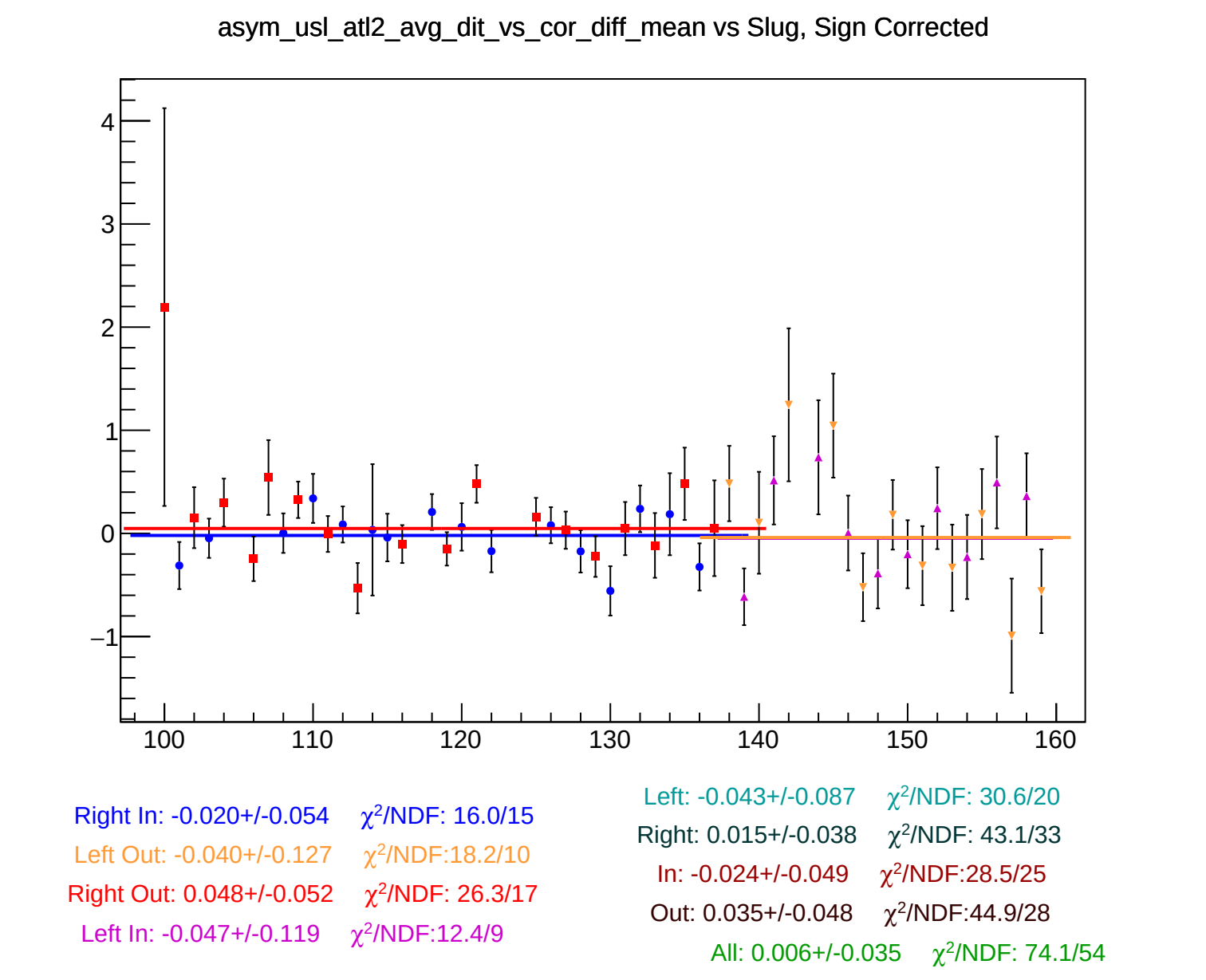
Left: 0.000+/-0.000 χ^2/NDF: 2231239.6/20

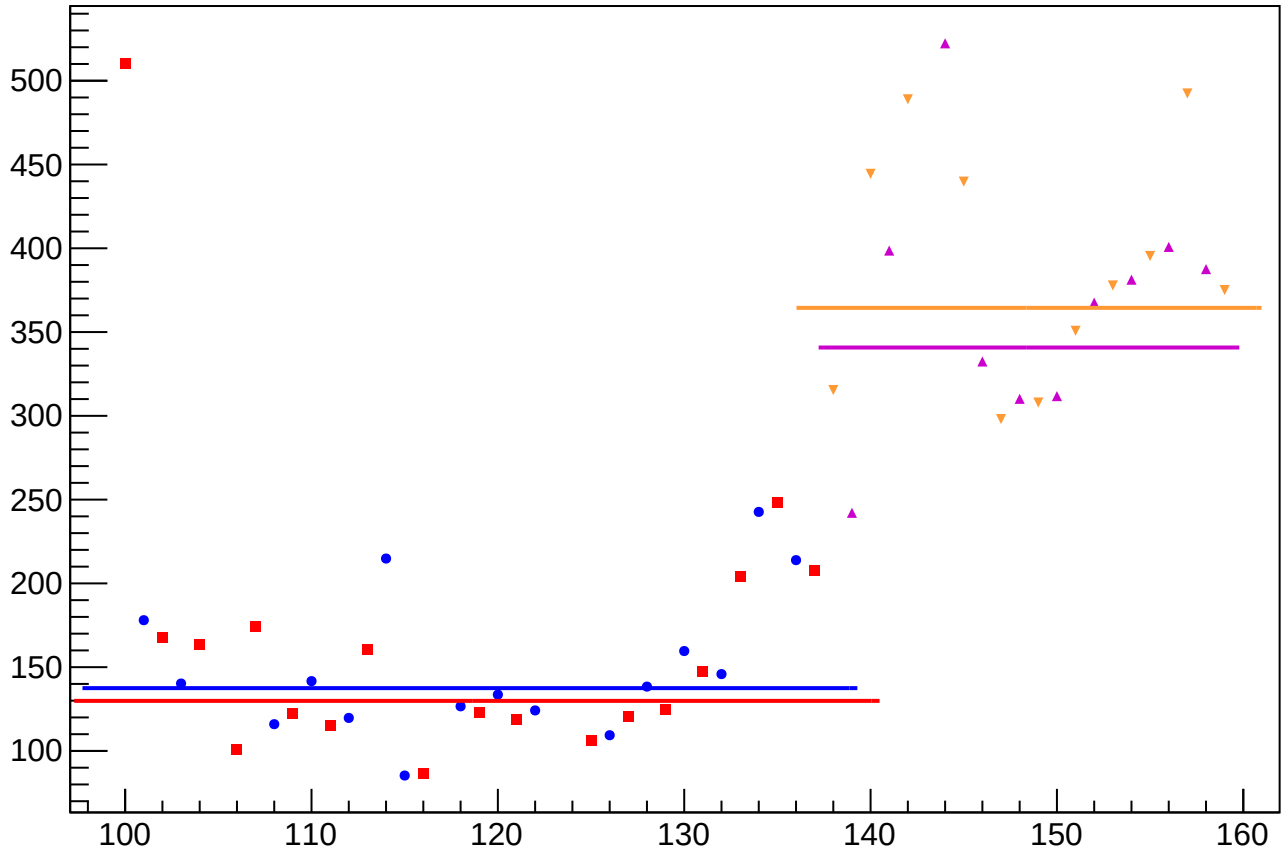
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2323502.2/25

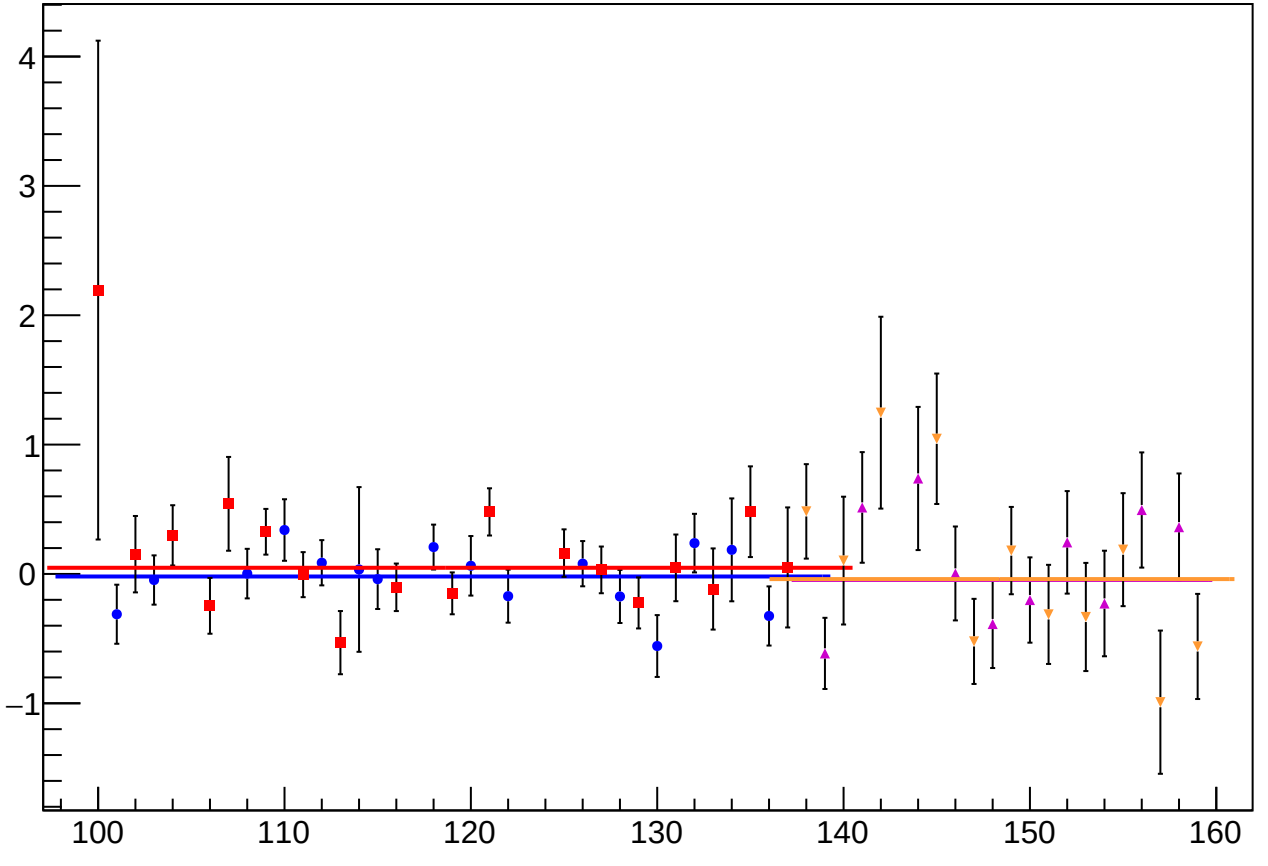
Out: 0.000+/-0.000 χ^2/NDF:2238239.6/28

All: 0.000+/-0.000 χ^2/NDF: 4576379.2/54


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
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.040+/-0.127 χ²/NDF:18.2/10
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.047+/-0.119 χ²/NDF:12.4/9
Left: -0.043+/-0.087 χ²/NDF: 30.6/20
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.024+/-0.049 χ²/NDF:28.5/25
Out: 0.035+/-0.048 χ²/NDF:44.9/28
All: 0.006+/-0.035 χ²/NDF: 74.1/54


asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 364.455+/-0.089 χ²/NDF:449855.4/10
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 340.775+/-0.084 χ²/NDF:632270.2/9
Left: 351.892+/-0.061 χ²/NDF: 1119285.4/20
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 172.410+/-0.035 χ²/NDF:6156777.4/25
Out: 164.330+/-0.034 χ²/NDF:7147552.3/28
All: 168.301+/-0.024 χ²/NDF: 13331621.2/54

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: -0.040+/-0.127 χ^2/NDF:18.2/10

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.047+/-0.119 χ^2/NDF:12.4/9

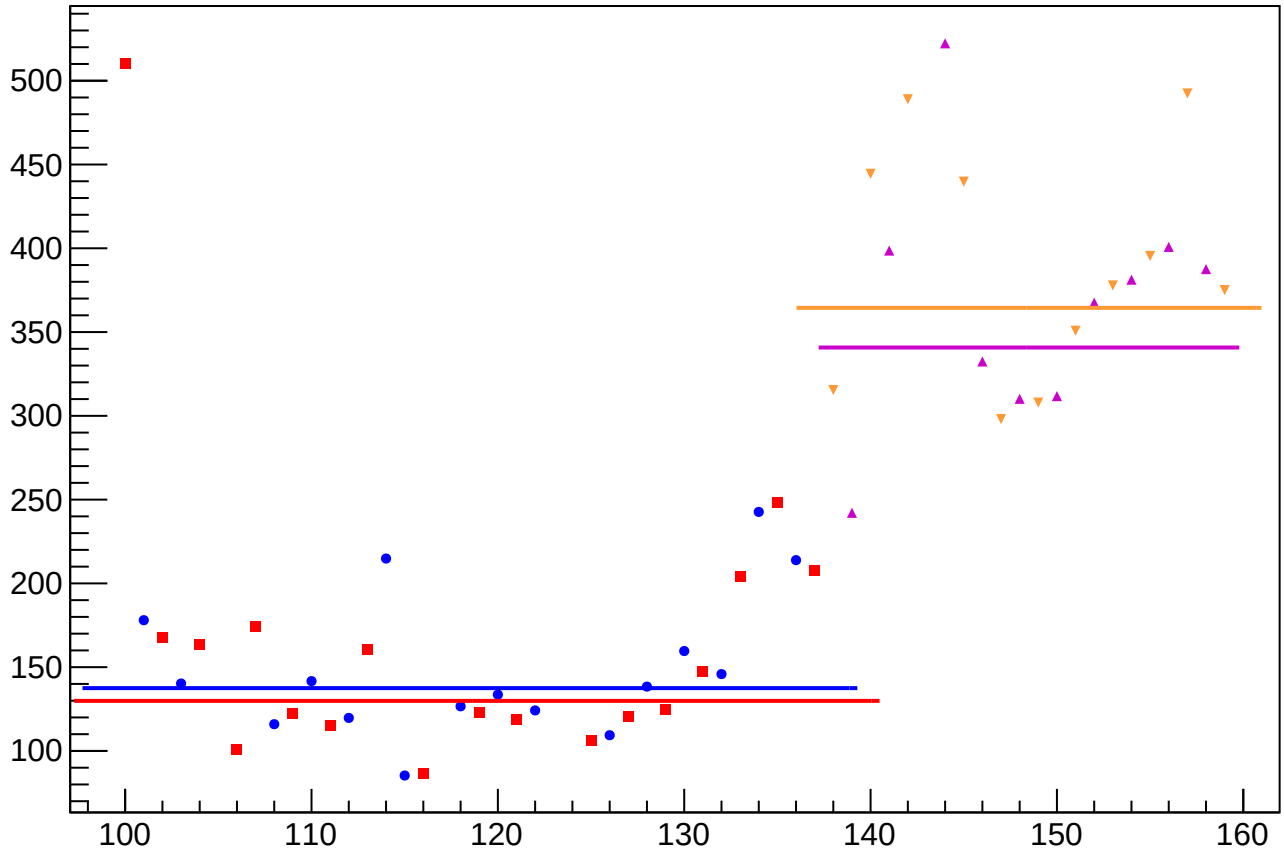
Left: -0.043+/-0.087 χ^2/NDF: 30.6/20

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:28.5/25

Out: 0.035+/-0.048 χ^2/NDF:44.9/28

All: 0.006+/-0.035 χ^2/NDF: 74.1/54



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 364.455+/-0.089 χ^2/NDF:449855.4/10

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 340.775+/-0.084 χ^2/NDF:632270.2/9

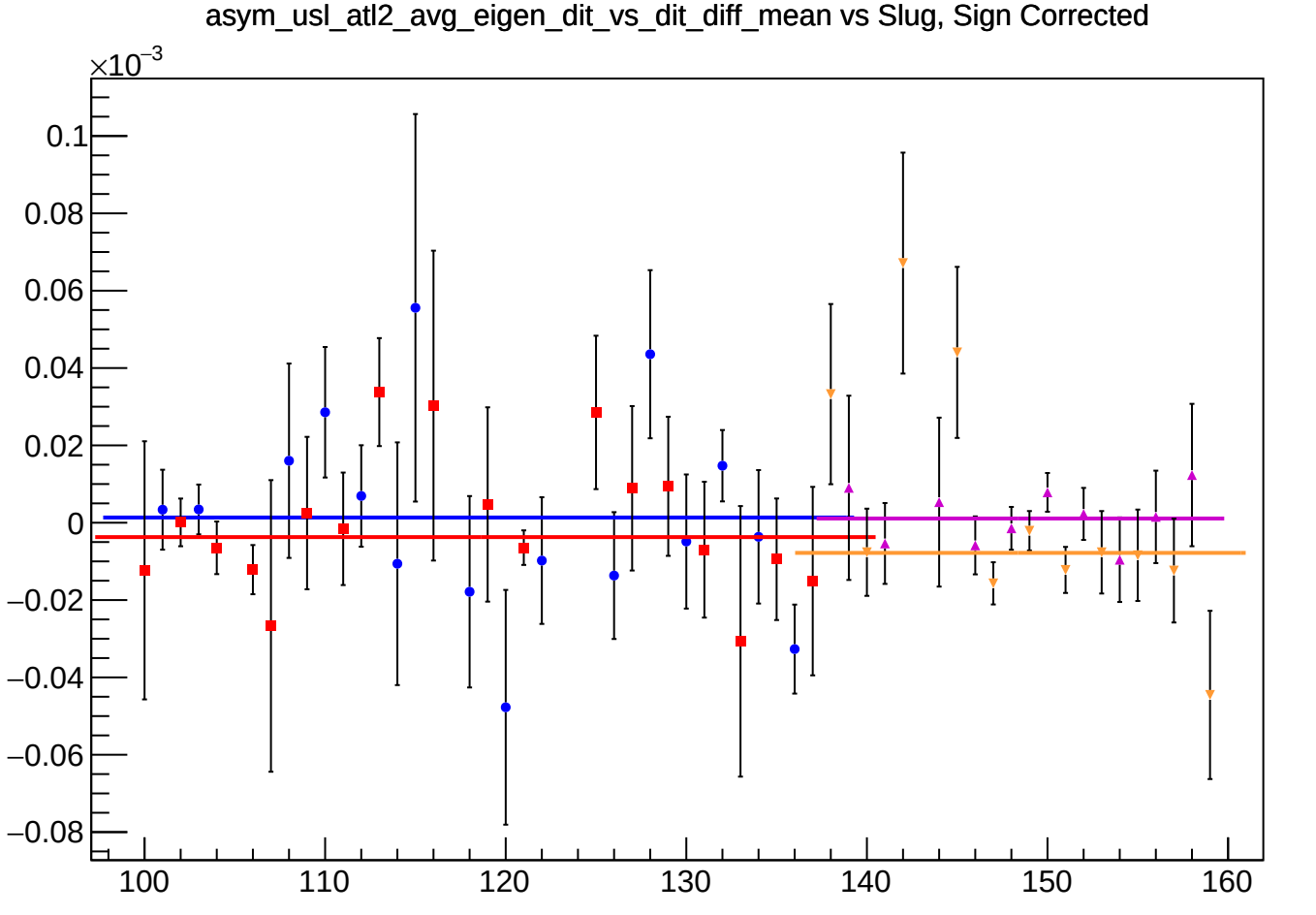
Left: 351.892+/-0.061 χ^2/NDF: 1119285.4/20

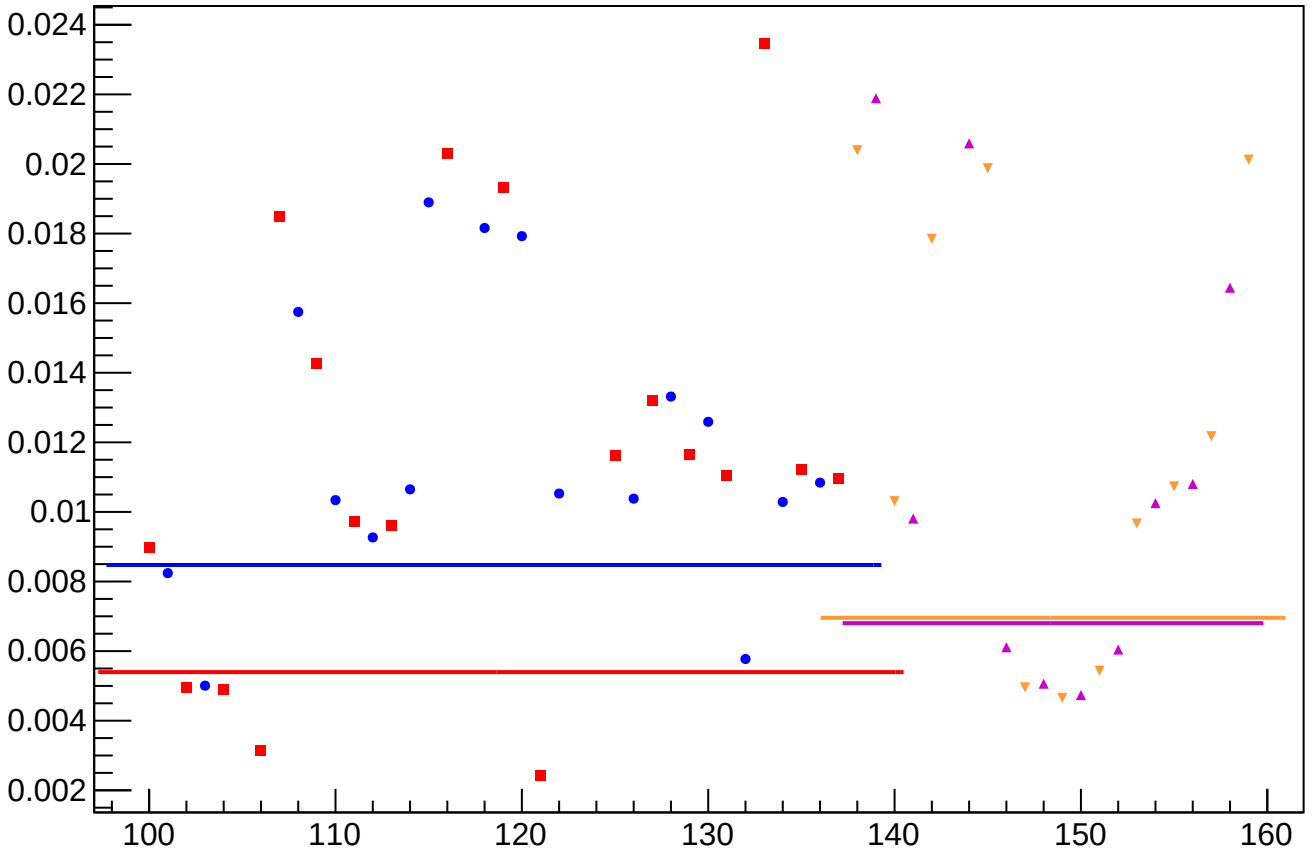
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 172.410+/-0.035 χ^2/NDF:6156777.4/25

Out: 164.330+/-0.034 χ^2/NDF:7147552.3/28

All: 168.301+/-0.024 χ^2/NDF: 13331621.2/54


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:22.3/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:4.8/9
Left: -0.000+/-0.000 χ²/NDF: 32.7/20
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:28.7/25
Out: -0.000+/-0.000 χ²/NDF:39.3/28
All: -0.000+/-0.000 χ²/NDF: 74.0/54



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:3990673.7/10

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3316719.6/9

Left: 0.007+/-0.000 χ^2/NDF: 7310634.3/20

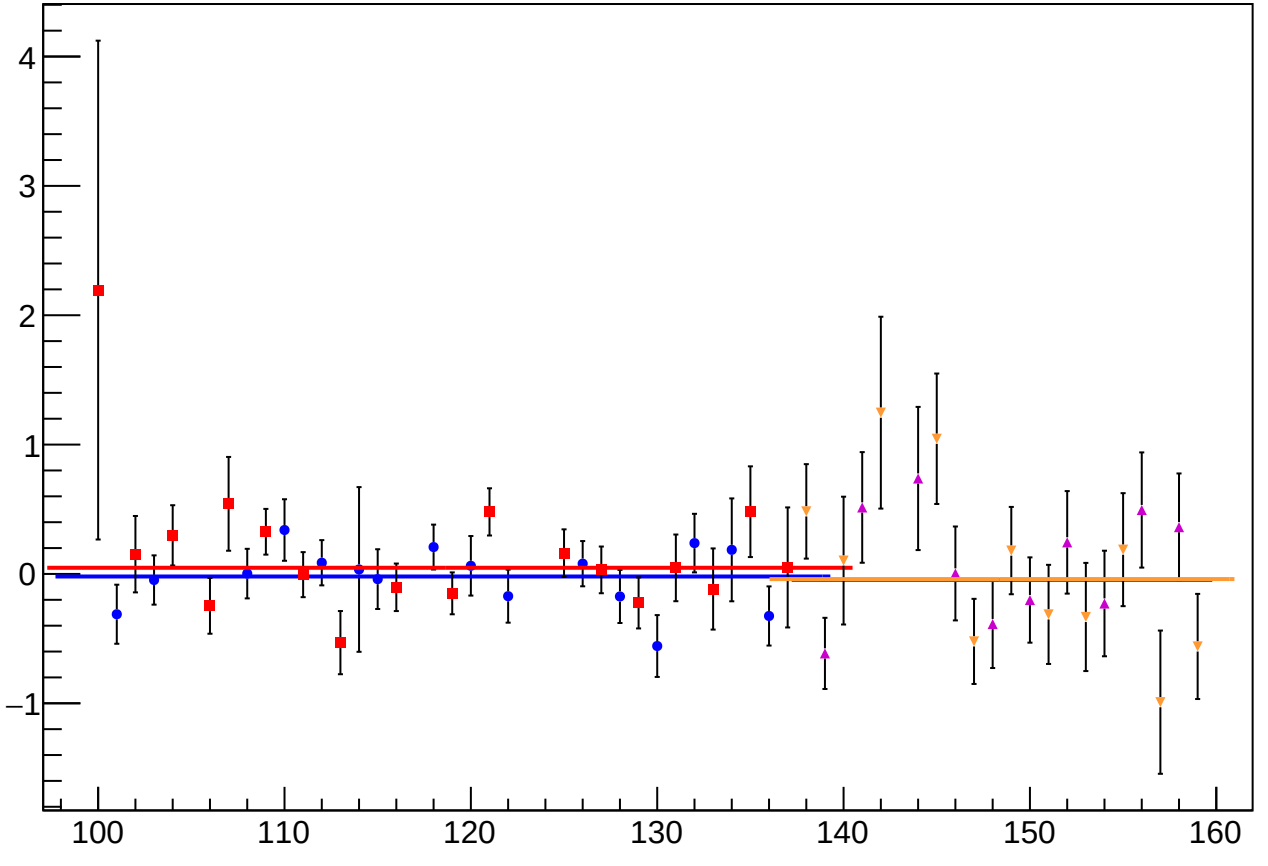
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:5539272.5/25

Out: 0.006+/-0.000 χ^2/NDF:9255119.9/28

All: 0.007+/-0.000 χ^2/NDF: 15225956.0/54

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: -0.040+/-0.127 χ^2/NDF:18.2/10

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.047+/-0.119 χ^2/NDF:12.4/9

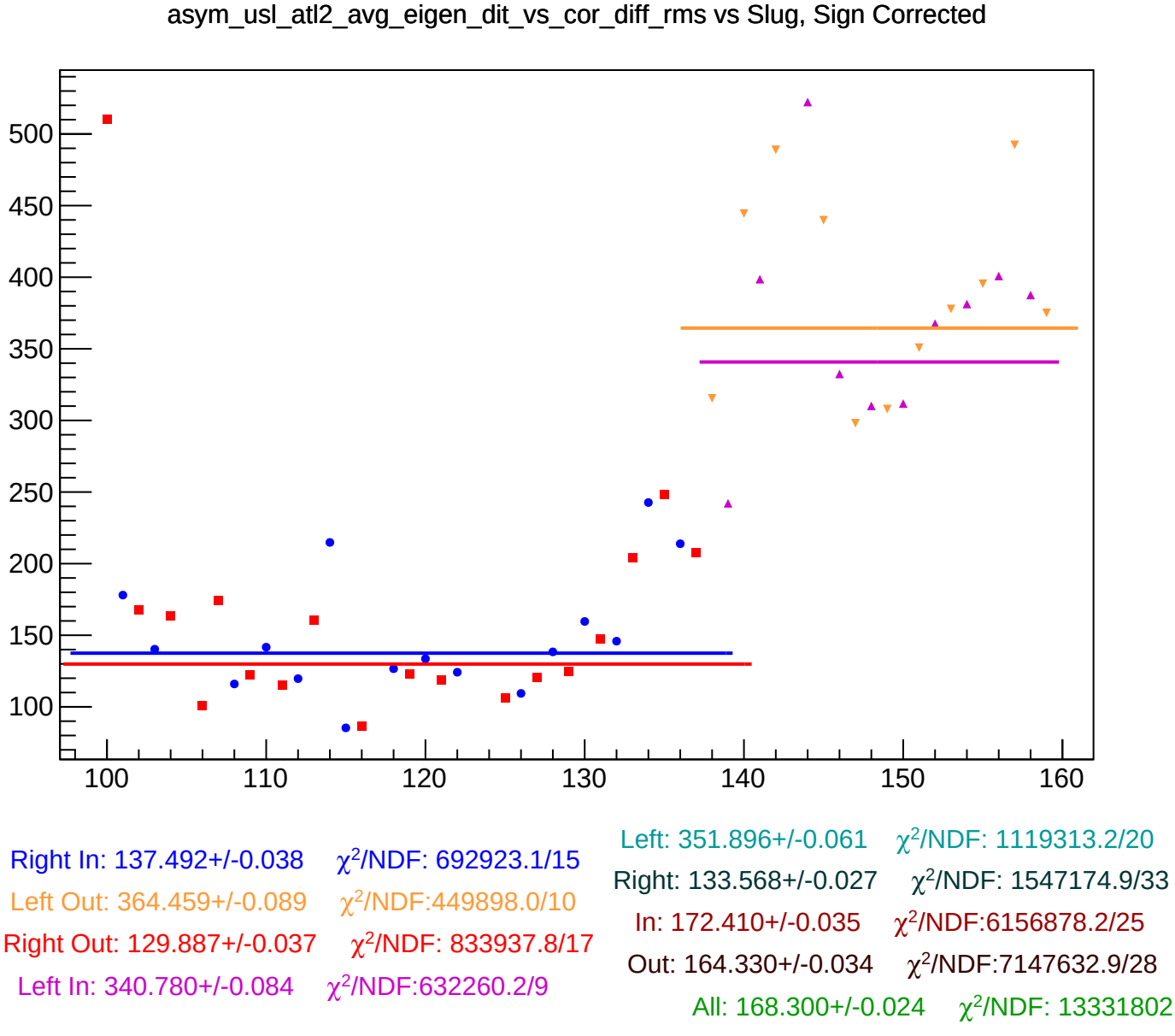
Left: -0.043+/-0.087 χ^2/NDF: 30.6/20

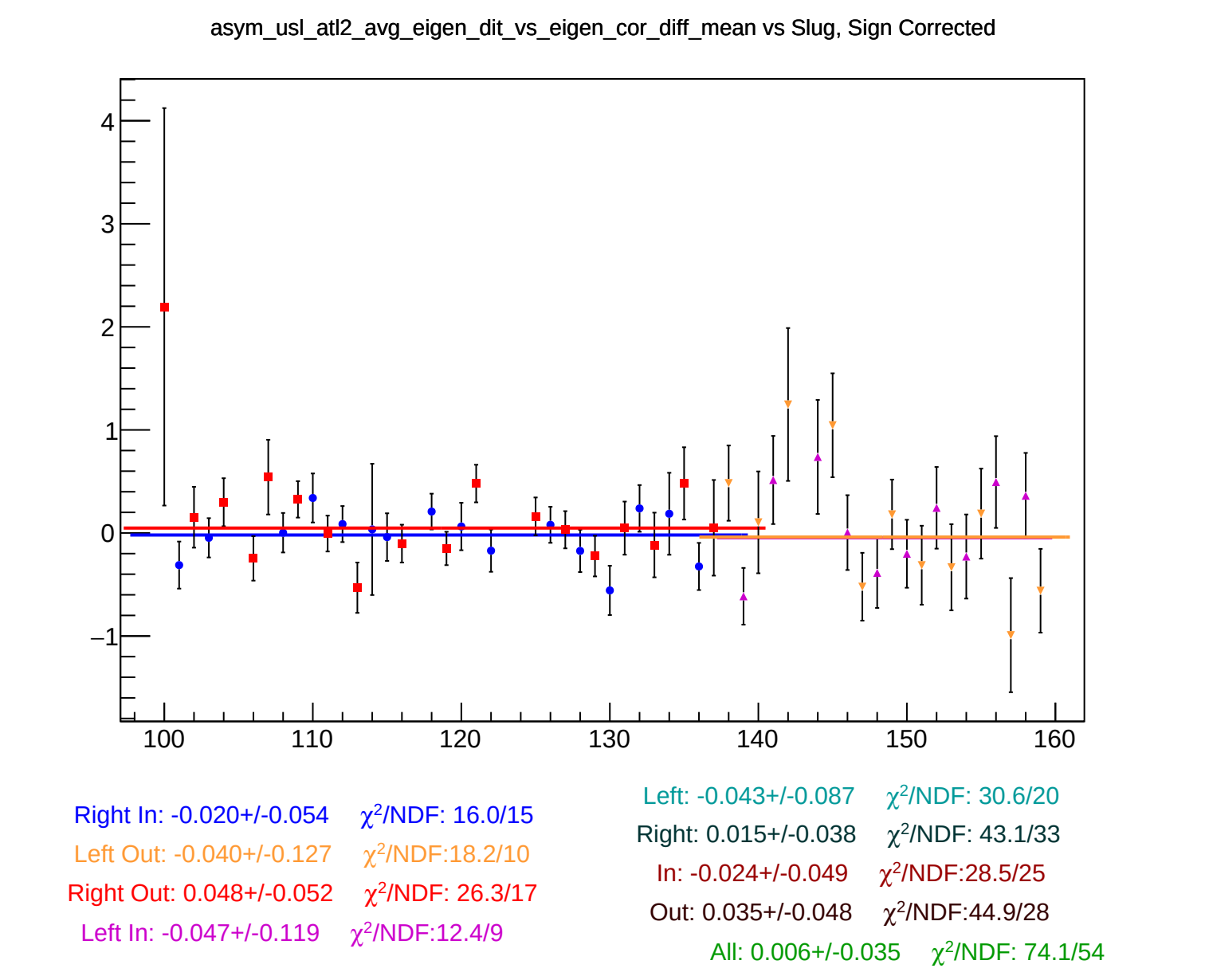
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:28.5/25

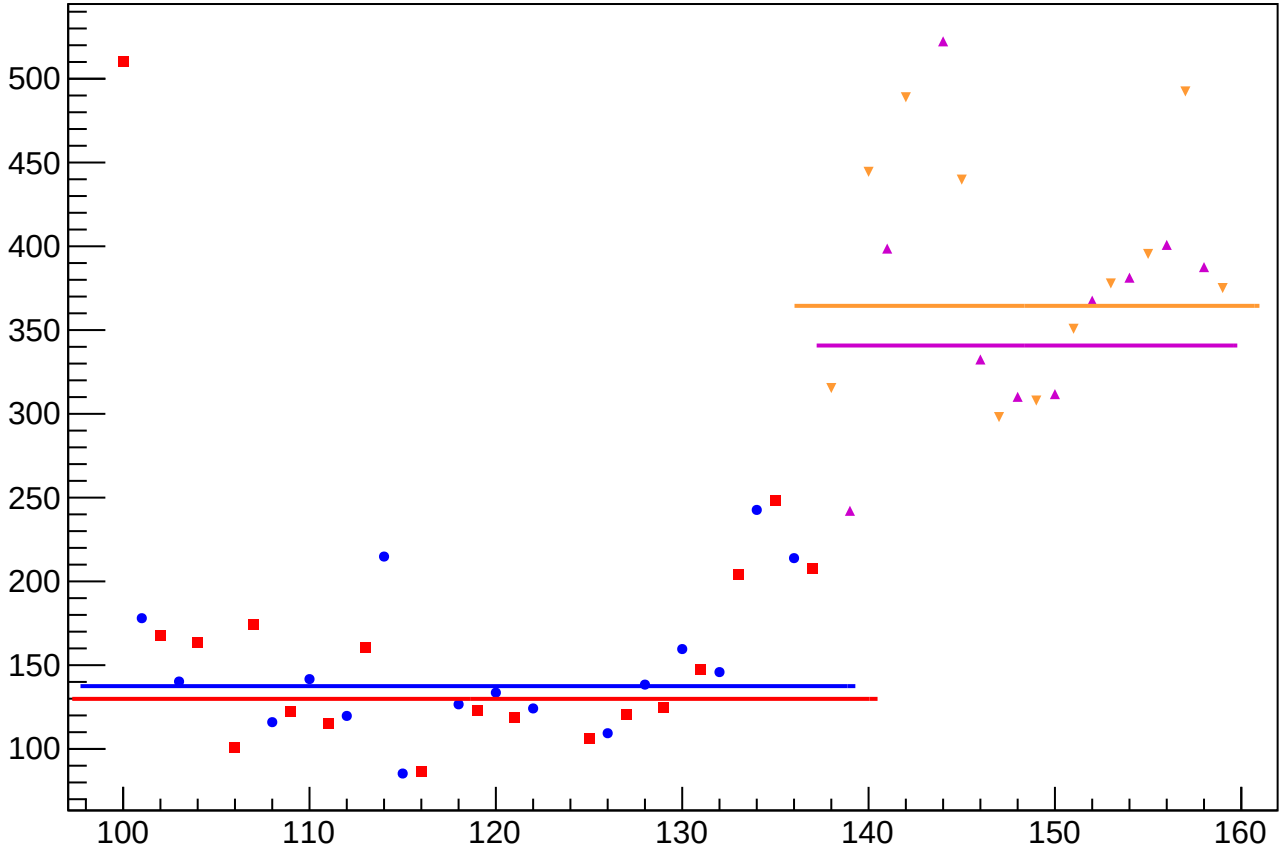
Out: 0.035+/-0.048 χ^2/NDF:44.9/28

All: 0.006+/-0.035 χ^2/NDF: 74.1/54


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 364.459+/-0.089 χ²/NDF:449898.0/10
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 340.780+/-0.084 χ²/NDF:632260.2/9
Left: 351.896+/-0.061 χ²/NDF: 1119313.2/20
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 172.410+/-0.035 χ²/NDF:6156878.2/25
Out: 164.330+/-0.034 χ²/NDF:7147632.9/28
All: 168.300+/-0.024 χ²/NDF: 13331802.6/54


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.040+/-0.127 χ²/NDF:18.2/10
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.047+/-0.119 χ²/NDF:12.4/9
Left: -0.043+/-0.087 χ²/NDF: 30.6/20
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.024+/-0.049 χ²/NDF:28.5/25
Out: 0.035+/-0.048 χ²/NDF:44.9/28
All: 0.006+/-0.035 χ²/NDF: 74.1/54

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: 364.459+/-0.089 χ^2/NDF:449898.0/10

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 340.780+/-0.084 χ^2/NDF:632260.2/9

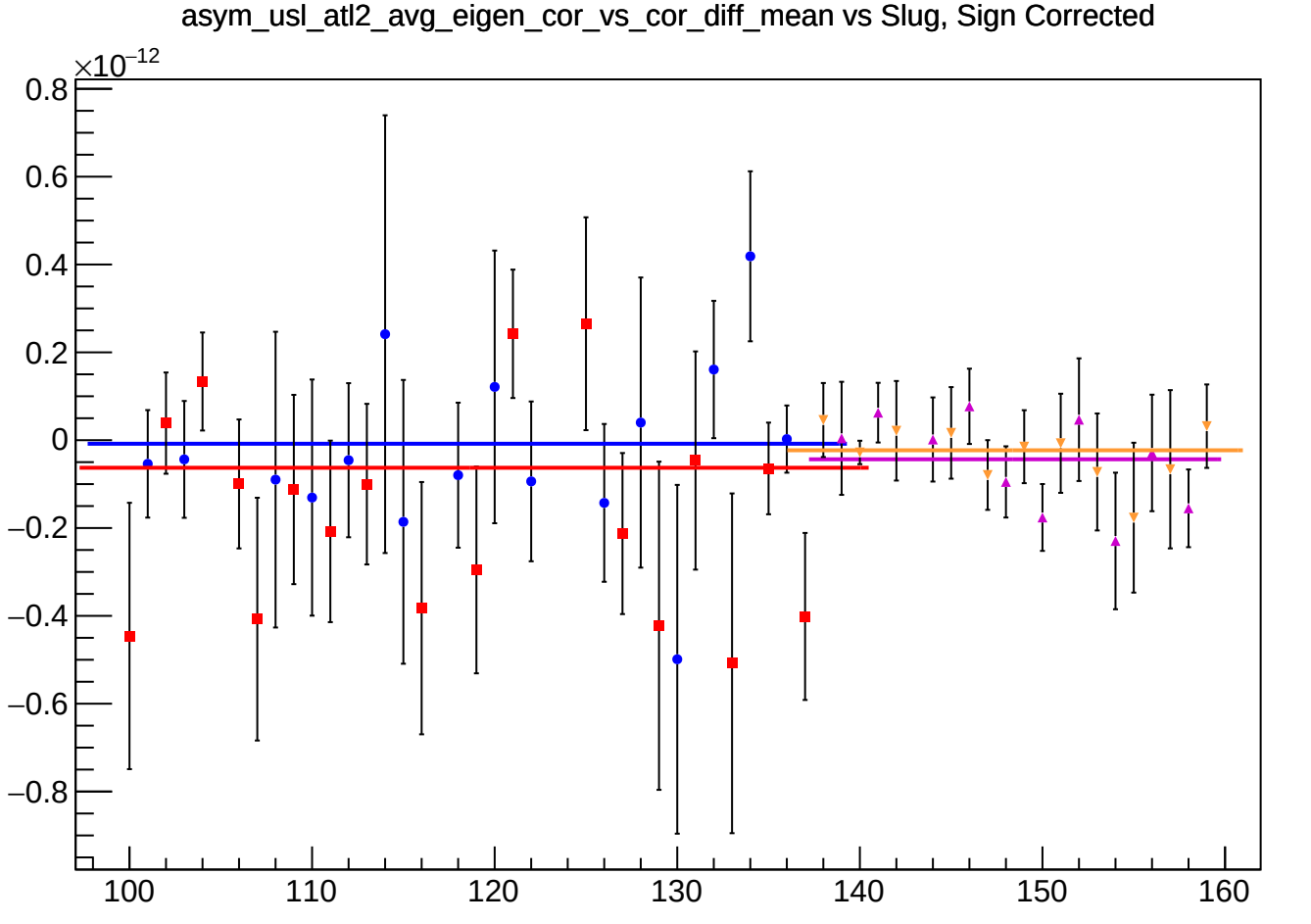
Left: 351.896+/-0.061 χ^2/NDF: 1119313.2/20

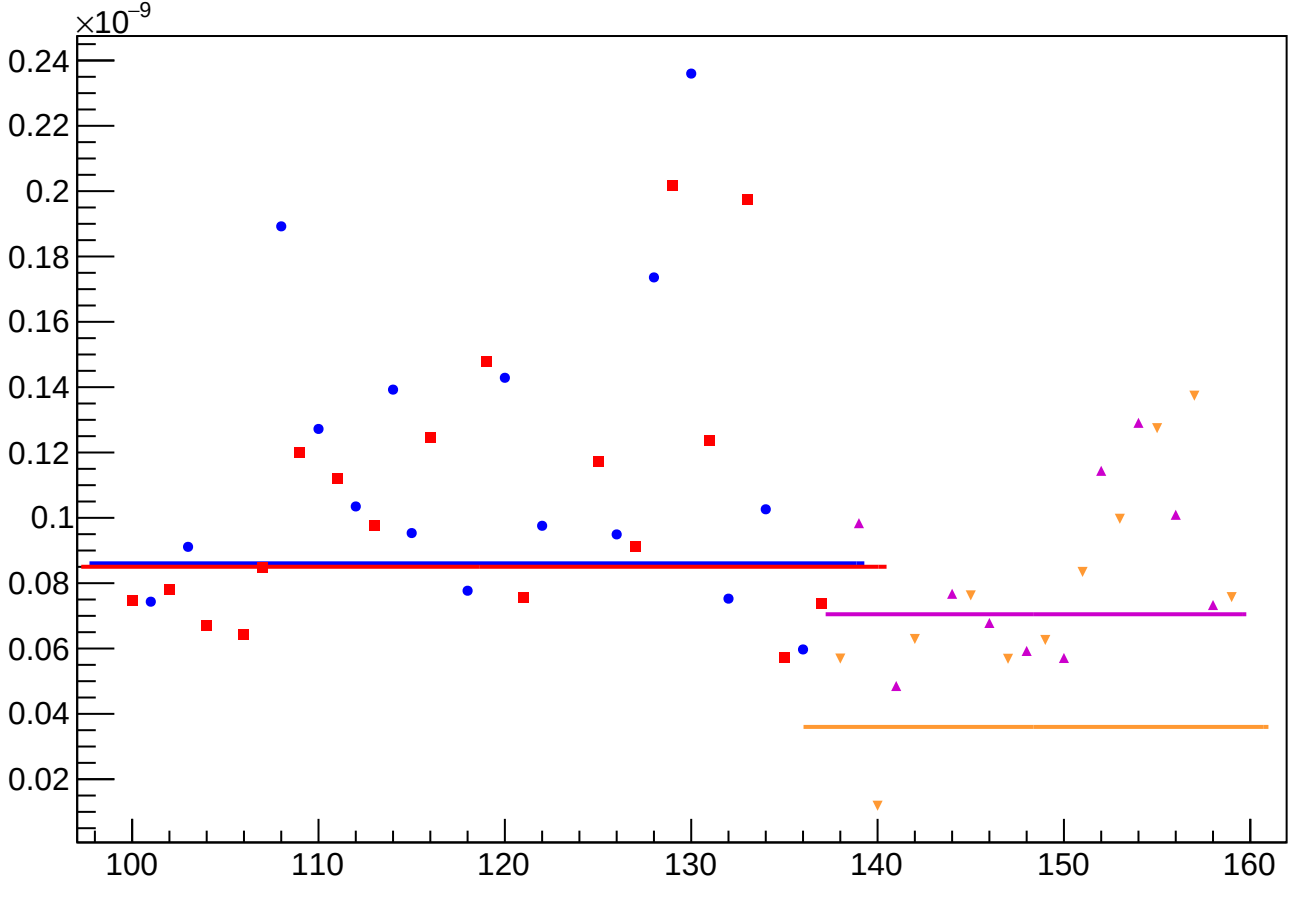
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 172.410+/-0.035 χ^2/NDF:6156878.2/25

Out: 164.330+/-0.034 χ^2/NDF:7147632.9/28

All: 168.300+/-0.024 χ^2/NDF: 13331802.6/54


asym_usl_atl2_avg_eigen_cor_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.9/10
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:11.7/9
Left: -0.000+/-0.000 χ²/NDF: 14.9/20
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:22.0/25
Out: -0.000+/-0.000 χ²/NDF:25.8/28
All: -0.000+/-0.000 χ²/NDF: 47.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4881783.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1002708.3/9

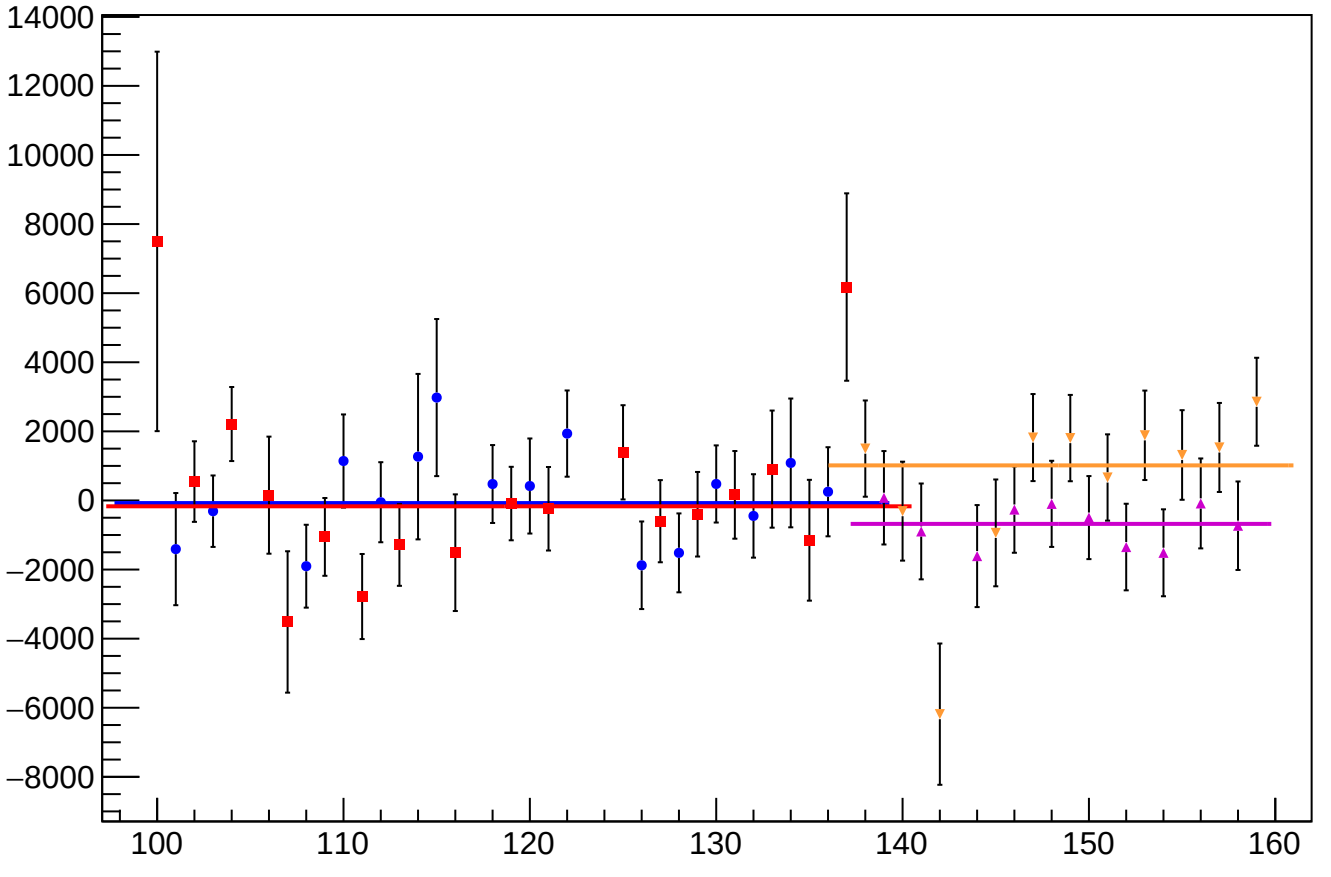
Left: 0.000+/-0.000 χ^2/NDF: 7687845.4/20

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2255164.8/25

Out: 0.000+/-0.000 χ^2/NDF:8078774.0/28

All: 0.000+/-0.000 χ^2/NDF: 12241249.2/54



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 1015.182+/-408.820 χ^2/NDF:18.6/10

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -678.327+/-409.297 χ^2/NDF:2.0/9

Left: 169.416+/-289.248 χ^2/NDF: 29.2/20

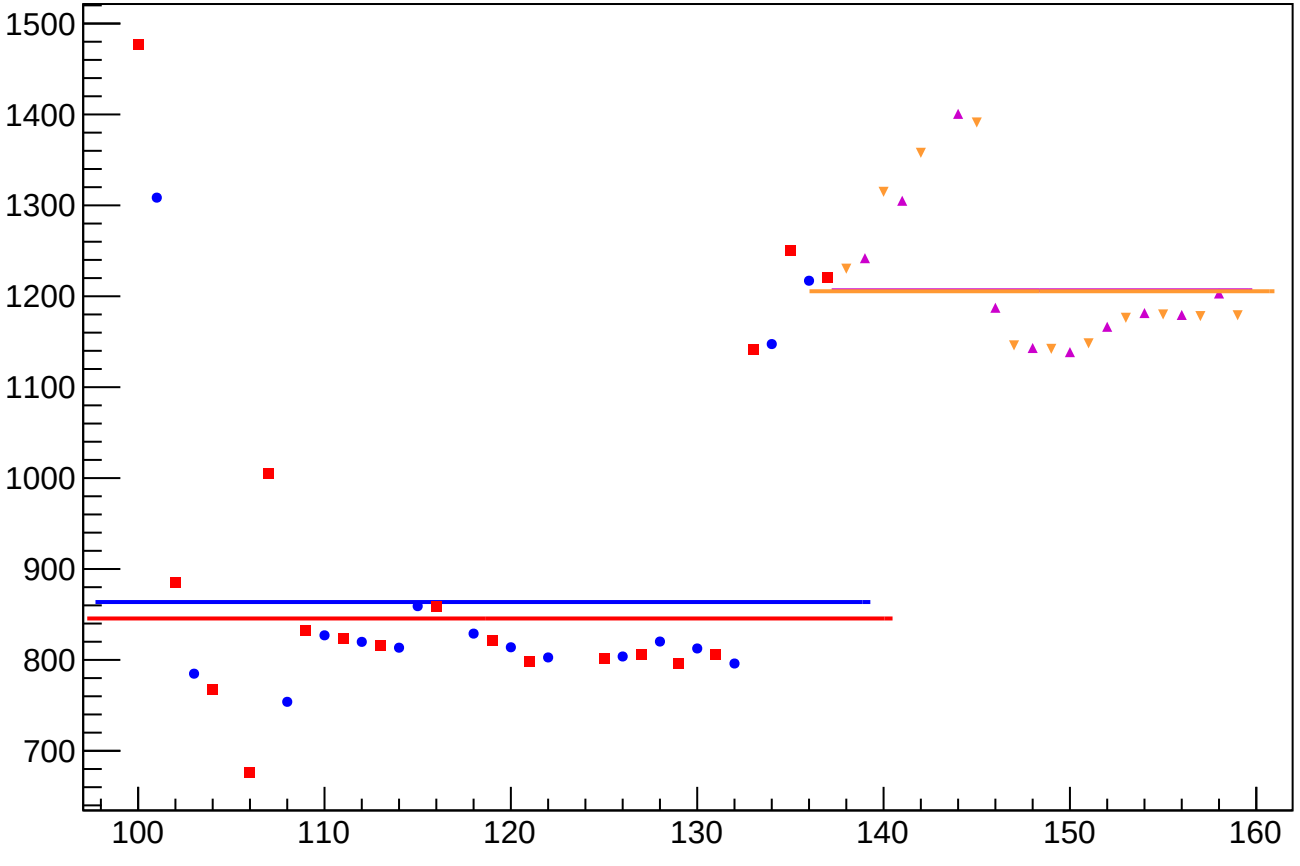
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -309.959+/-255.108 χ^2/NDF:16.7/25

Out: 283.857+/-252.875 χ^2/NDF:48.2/28

All: -10.441+/-179.594 χ^2/NDF: 67.6/54

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1205.528+/-0.289 χ^2/NDF:69607.8/10

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

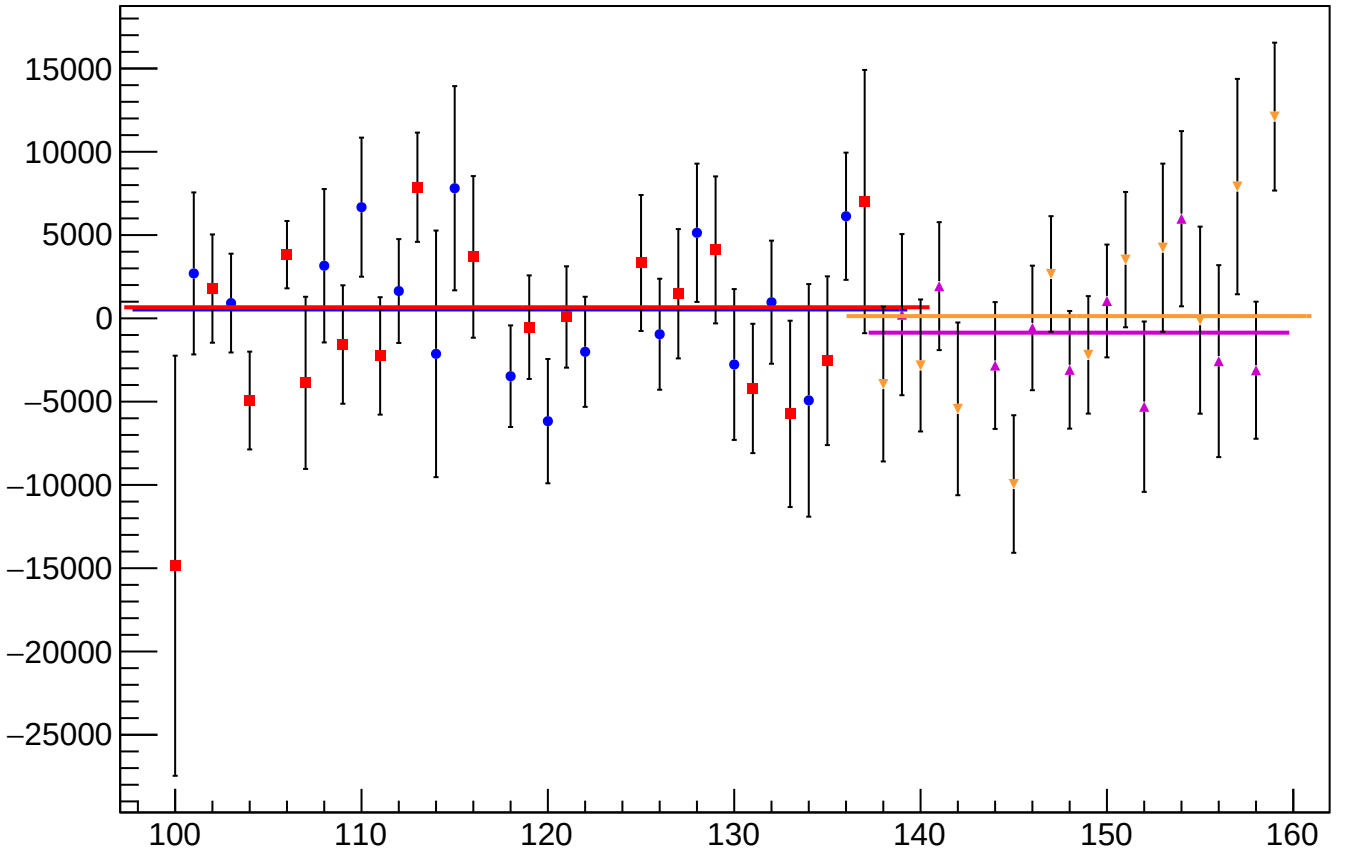
Left: 1206.046+/-0.205 χ^2/NDF: 131414.7/20

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 996.872+/-0.180 χ^2/NDF:1327725.5/25

Out: 981.188+/-0.177 χ^2/NDF:1343690.6/28

All: 988.901+/-0.126 χ^2/NDF: 2675258.7/54



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 134.501+/-1317.996 χ^2/NDF:19.5/10

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -859.526+/-1310.679 χ^2/NDF:4.4/9

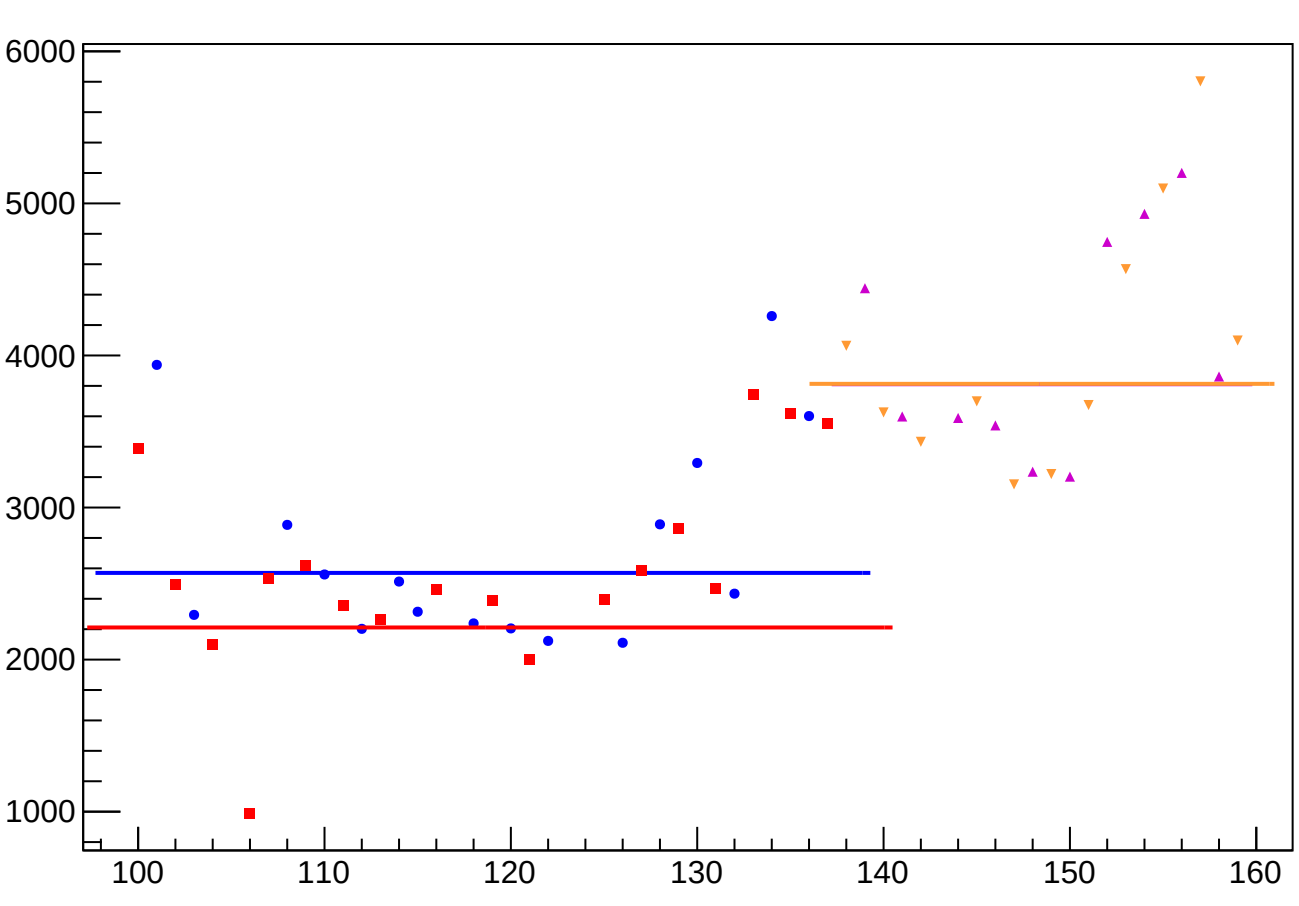
Left: -365.280+/-929.366 χ^2/NDF: 24.2/20

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 33.779+/-785.527 χ^2/NDF:19.8/25

Out: 505.912+/-723.148 χ^2/NDF:39.6/28

All: 289.333+/-532.030 χ^2/NDF: 59.6/54



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3813.354+/-0.932 χ^2/NDF:501144.4/10

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3810.846+/-0.927 χ^2/NDF:449358.1/9

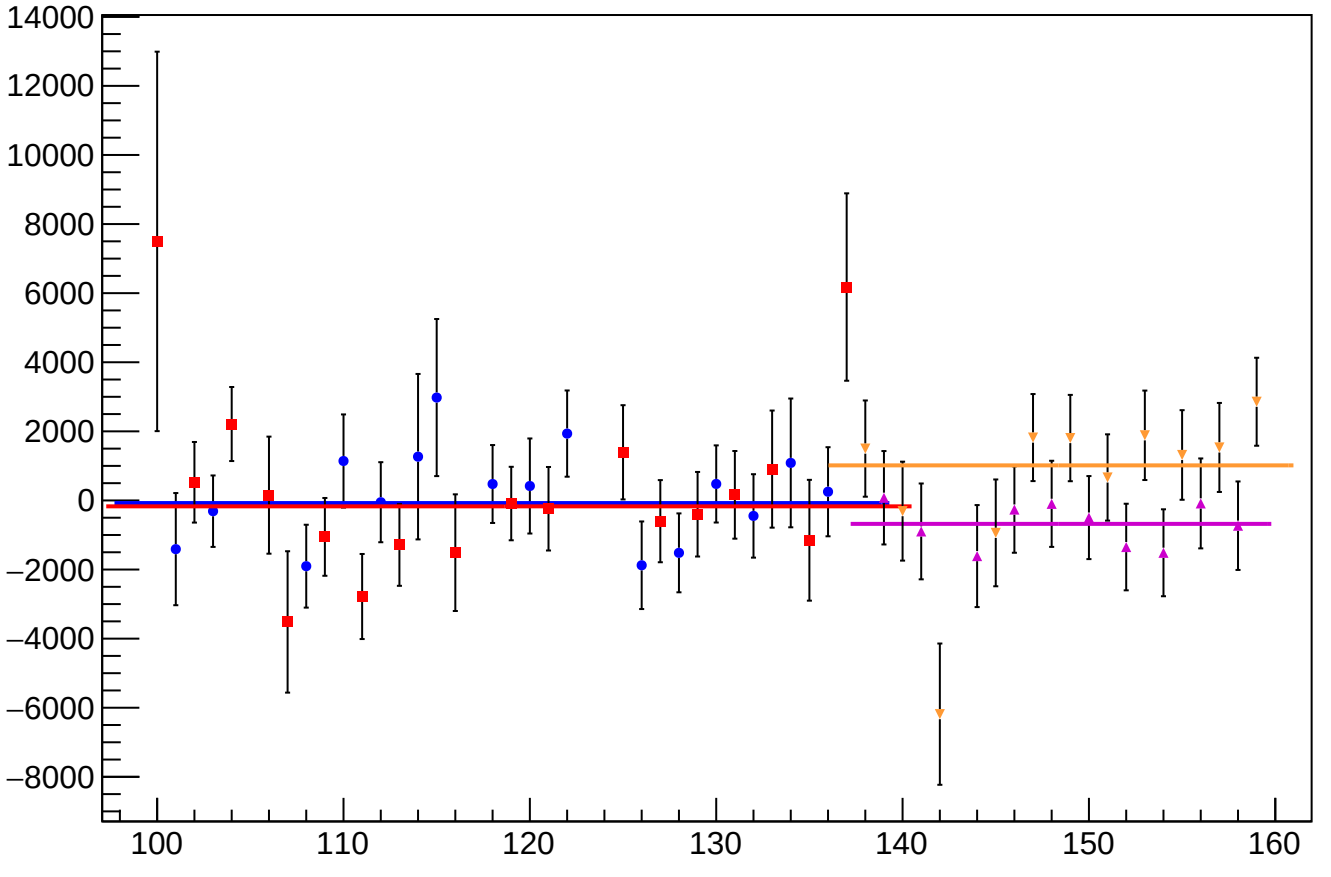
Left: 3812.093+/-0.657 χ^2/NDF: 950506.1/20

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3015.790+/-0.555 χ^2/NDF:2260266.9/25

Out: 2693.563+/-0.511 χ^2/NDF:3830728.5/28

All: 2841.376+/-0.376 χ^2/NDF: 6273155.6/54



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 1015.119+/-408.820 χ^2/NDF:18.6/10

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -678.345+/-409.297 χ^2/NDF:2.0/9

Left: 169.375+/-289.248 χ^2/NDF: 29.2/20

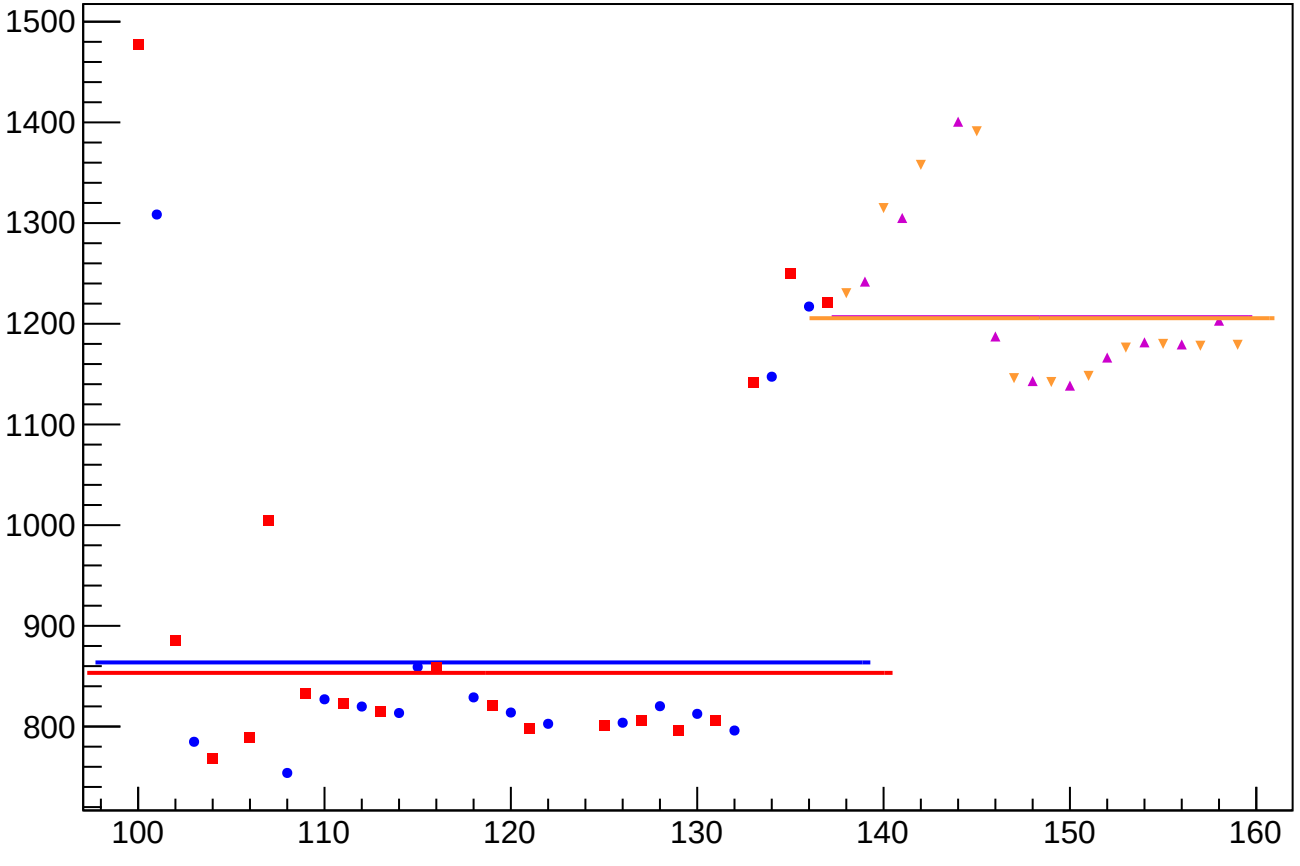
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -310.013+/-255.108 χ^2/NDF:16.7/25

Out: 282.830+/-252.877 χ^2/NDF:48.2/28

All: -10.988+/-179.595 χ^2/NDF: 67.6/54

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1205.528+/-0.289 χ^2/NDF:69607.8/10

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

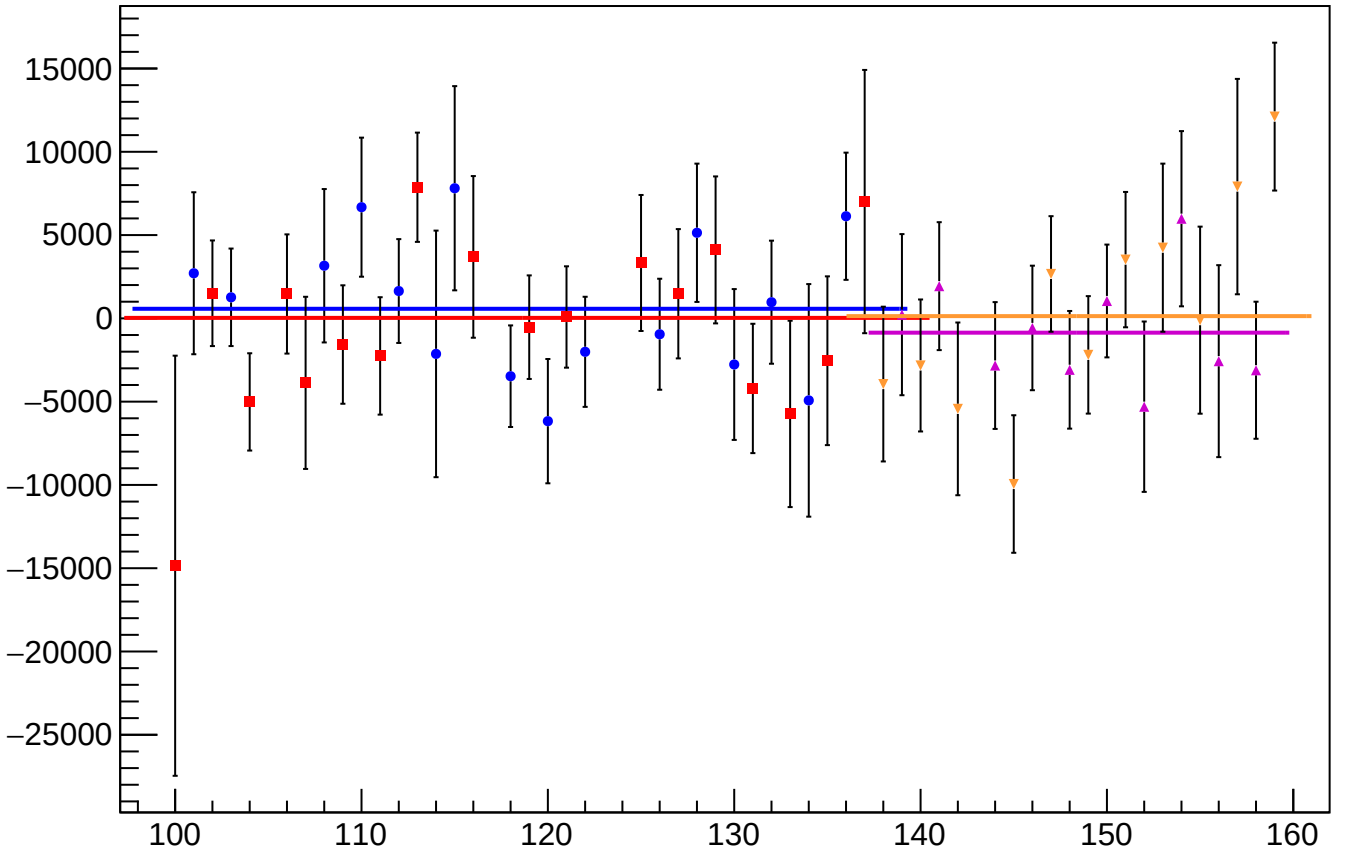
Left: 1206.046+/-0.205 χ^2/NDF: 131414.7/20

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 996.872+/-0.180 χ^2/NDF:1327725.6/25

Out: 987.199+/-0.178 χ^2/NDF:1265236.8/28

All: 991.978+/-0.127 χ^2/NDF: 2594417.5/54



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 134.493+/-1317.996 χ^2/NDF:19.5/10

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -859.570+/-1310.678 χ^2/NDF:4.4/9

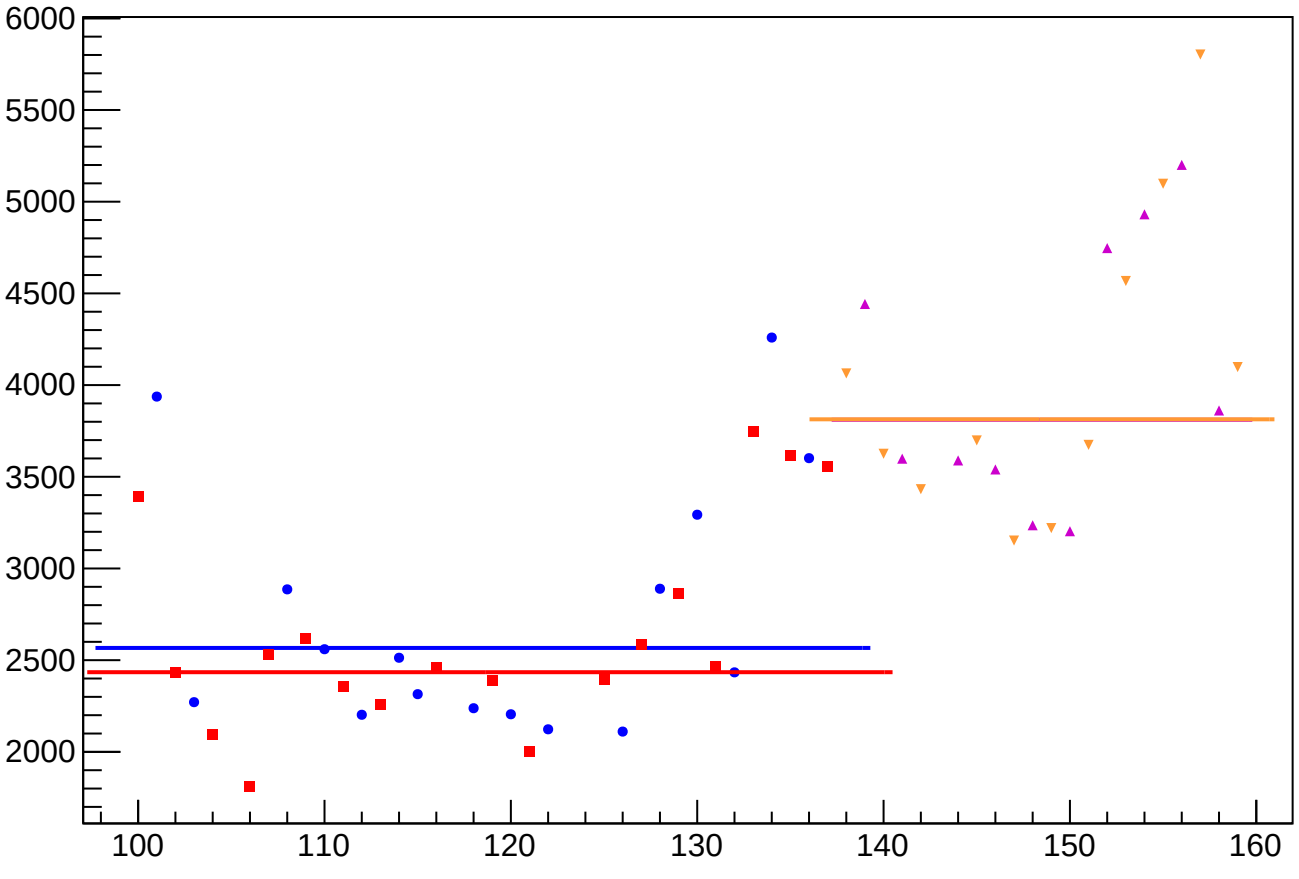
Left: -365.306+/-929.366 χ^2/NDF: 24.2/20

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 60.653+/-784.790 χ^2/NDF:19.9/25

Out: 63.402+/-755.556 χ^2/NDF:36.7/28

All: 62.080+/-544.300 χ^2/NDF: 56.6/54



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3813.353+/-0.932 χ^2/NDF:501141.4/10

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3810.840+/-0.927 χ^2/NDF:449359.3/9

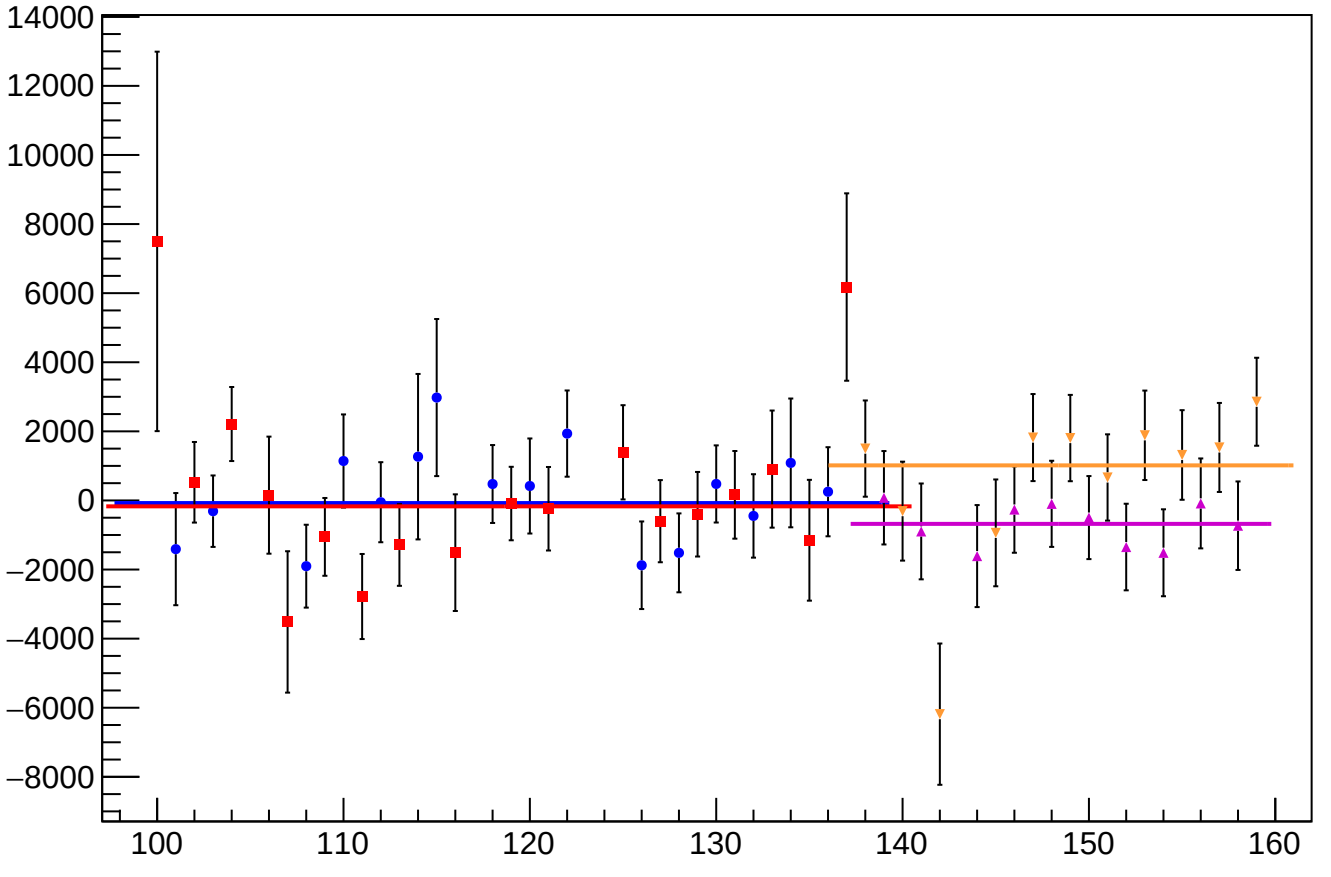
Left: 3812.090+/-0.657 χ^2/NDF: 950504.4/20

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3012.772+/-0.555 χ^2/NDF:2271174.6/25

Out: 2887.583+/-0.534 χ^2/NDF:2404974.4/28

All: 2947.802+/-0.385 χ^2/NDF: 4702560.7/54



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 1015.119+/-408.820 χ^2/NDF:18.6/10

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -678.345+/-409.297 χ^2/NDF:2.0/9

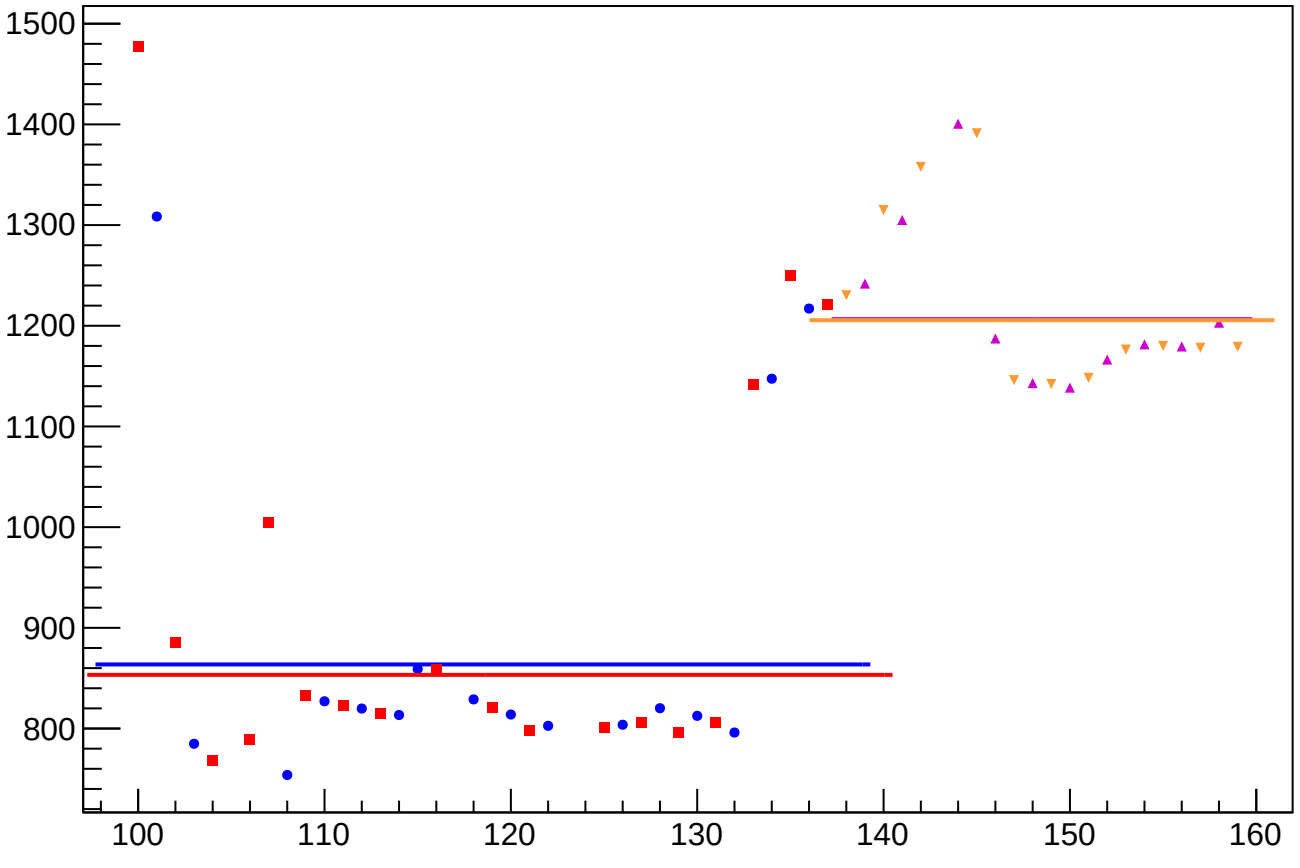
Left: 169.375+/-289.248 χ^2/NDF: 29.2/20

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -310.013+/-255.108 χ^2/NDF:16.7/25

Out: 282.830+/-252.877 χ^2/NDF:48.2/28

All: -10.988+/-179.595 χ^2/NDF: 67.6/54



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1205.528+/-0.289 χ^2/NDF:69607.8/10

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

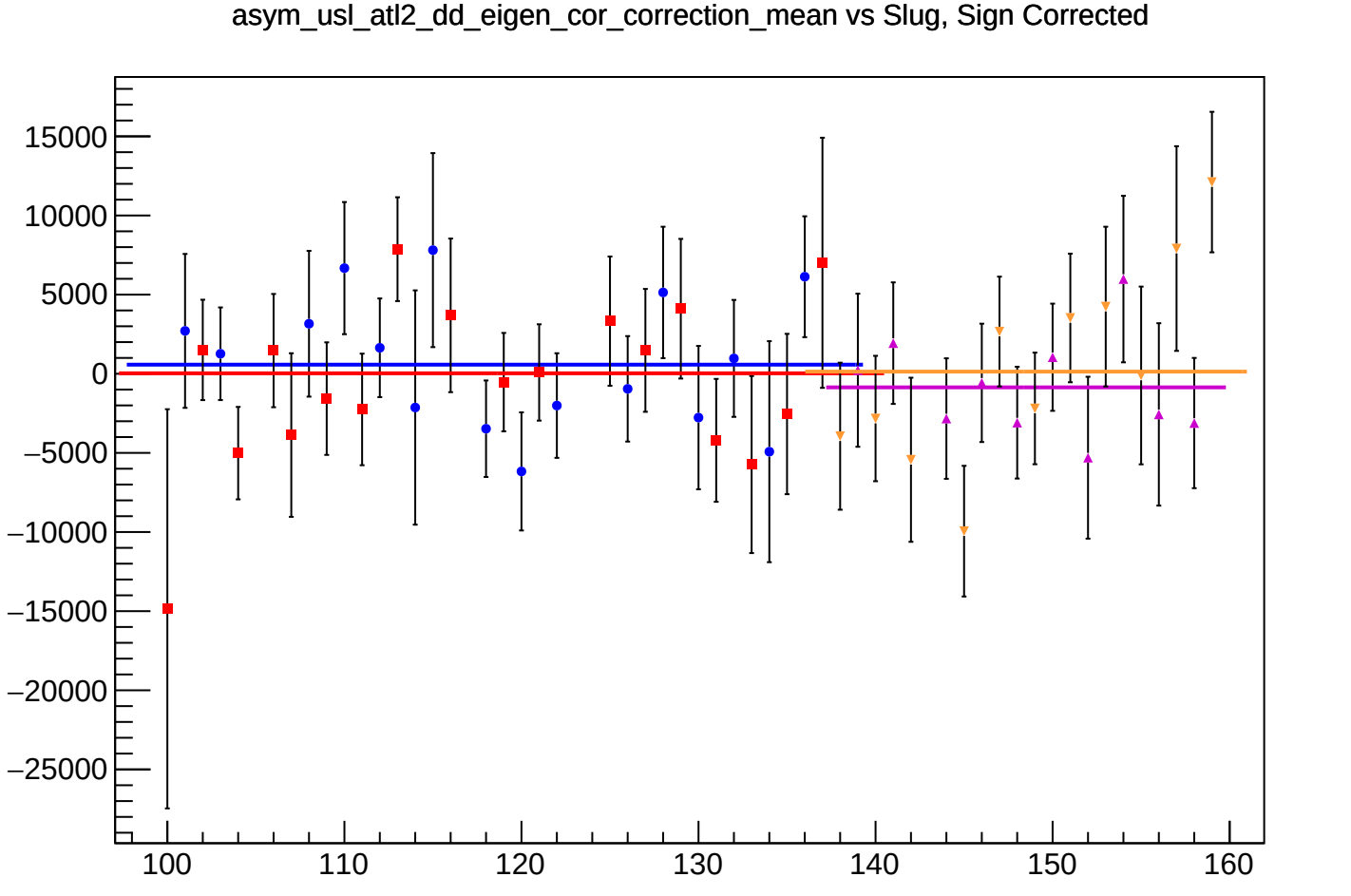
Left: 1206.046+/-0.205 χ^2/NDF: 131414.7/20

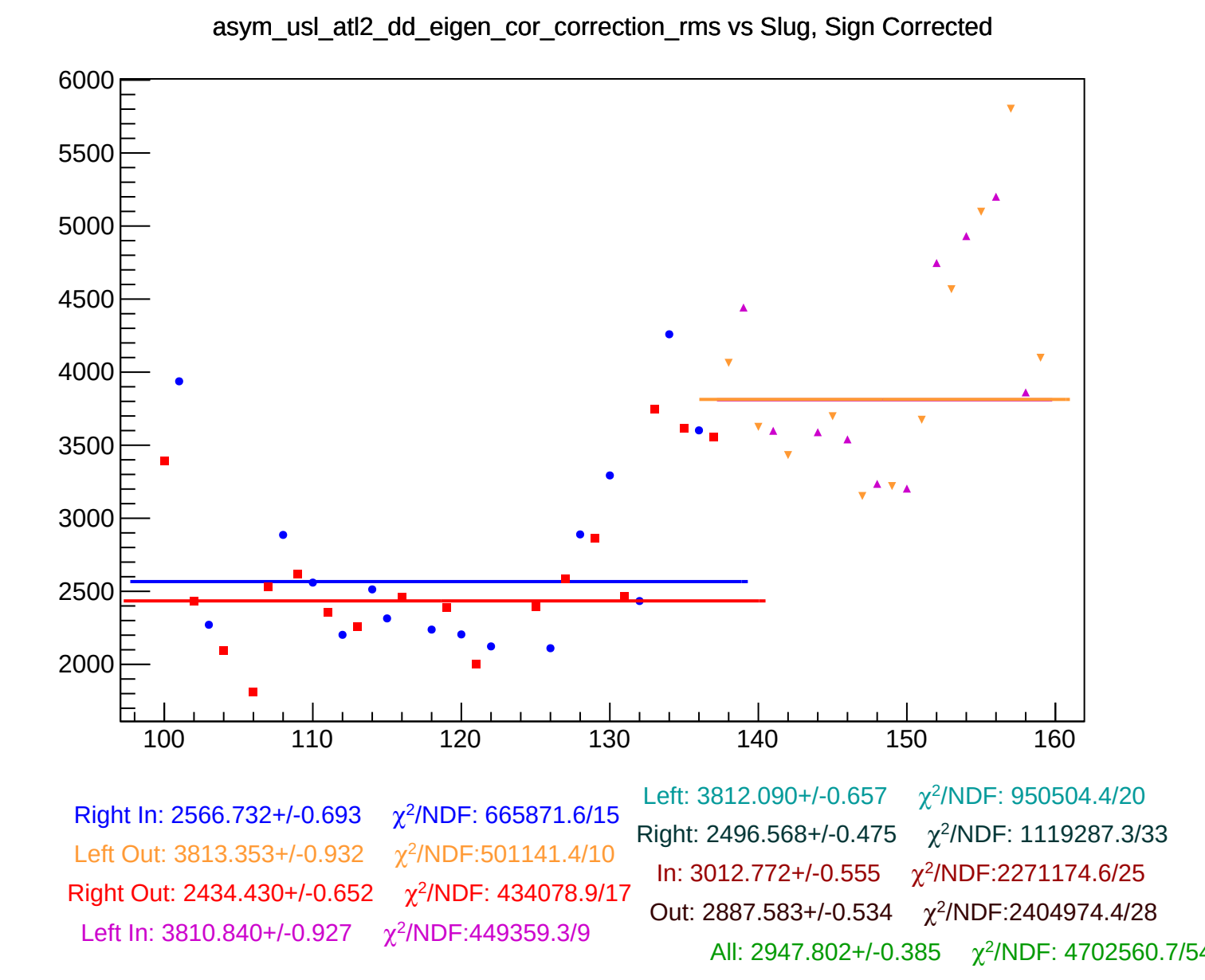
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

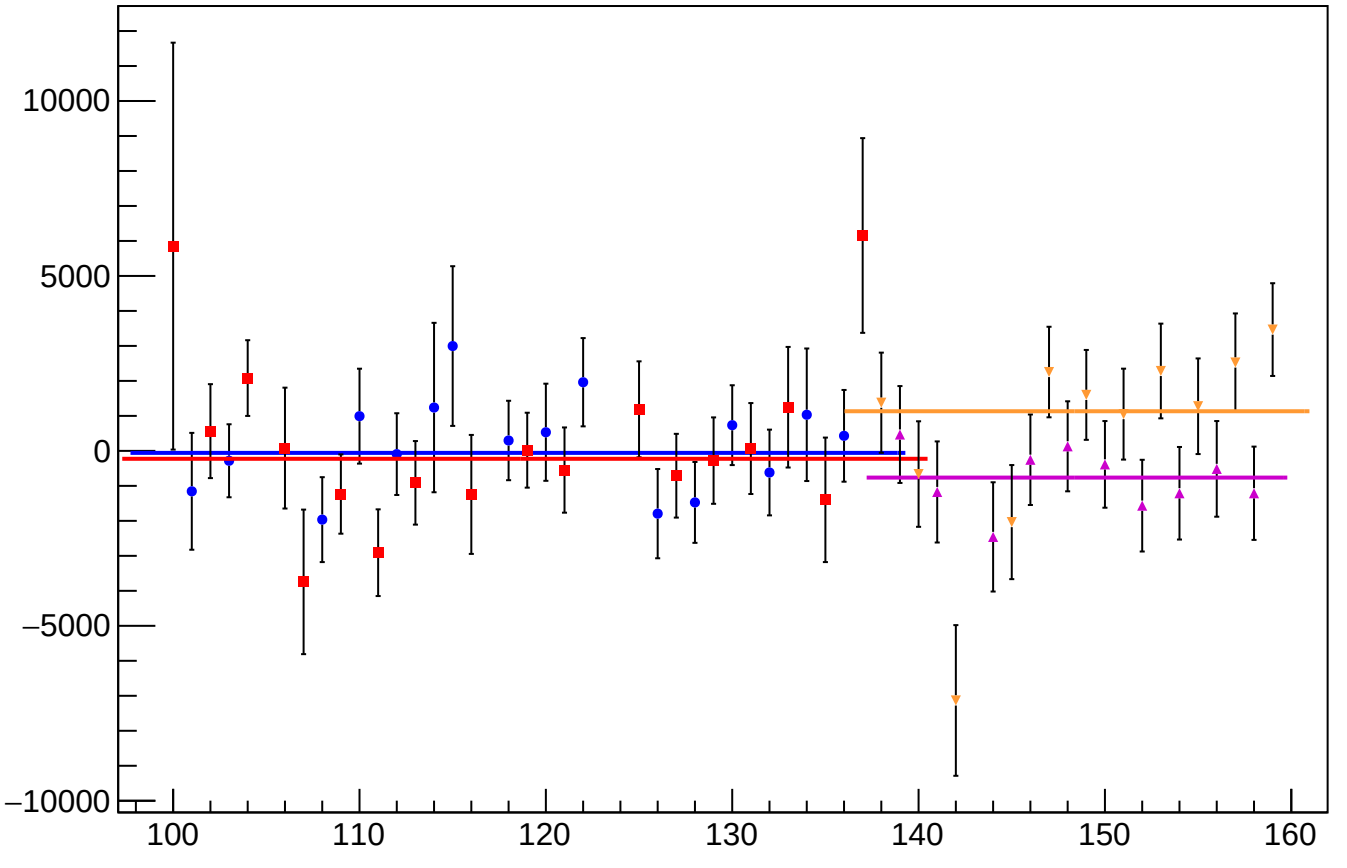
In: 996.872+/-0.180 χ^2/NDF:1327725.6/25

Out: 987.199+/-0.178 χ^2/NDF:1265236.8/28

All: 991.978+/-0.127 χ^2/NDF: 2594417.5/54


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 134.493+/-1317.996 χ²/NDF:19.5/10
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -859.570+/-1310.678 χ²/NDF:4.4/9
Left: -365.306+/-929.366 χ²/NDF: 24.2/20
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 60.653+/-784.790 χ²/NDF:19.9/25
Out: 63.402+/-755.556 χ²/NDF:36.7/28
All: 62.080+/-544.300 χ²/NDF: 56.6/54


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 2566.732+/-0.693 χ²/NDF: 665871.6/15
Left Out: 3813.353+/-0.932 χ²/NDF:501141.4/10
Right Out: 2434.430+/-0.652 χ²/NDF: 434078.9/17
Left In: 3810.840+/-0.927 χ²/NDF:449359.3/9
Left: 3812.090+/-0.657 χ²/NDF: 950504.4/20
Right: 2496.568+/-0.475 χ²/NDF: 1119287.3/33
In: 3012.772+/-0.555 χ²/NDF:2271174.6/25
Out: 2887.583+/-0.534 χ²/NDF:2404974.4/28
All: 2947.802+/-0.385 χ²/NDF: 4702560.7/54



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1132.773+/-427.419 χ^2/NDF:25.7/10

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -763.401+/-425.780 χ^2/NDF:3.4/9

Left: 181.045+/-301.650 χ^2/NDF: 39.0/20

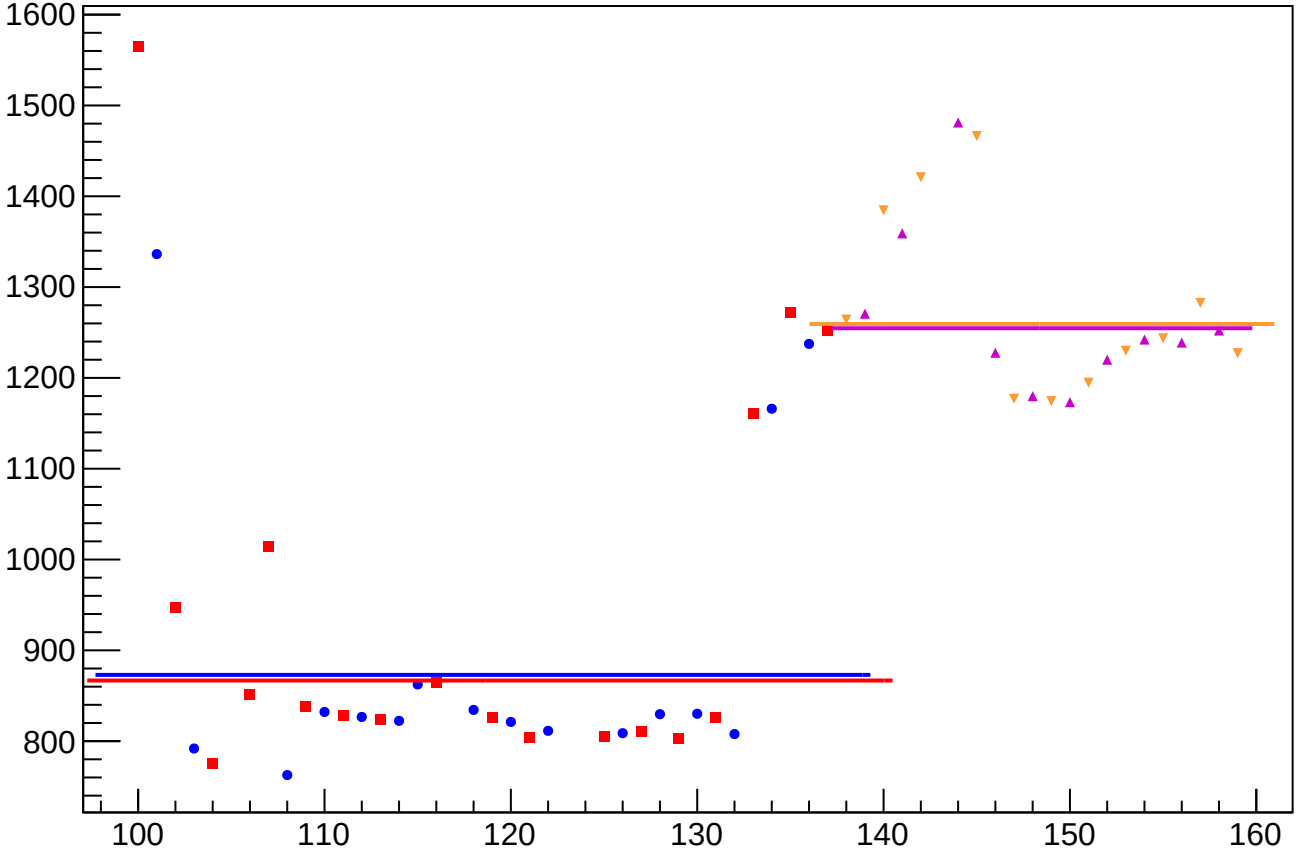
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -322.311+/-260.874 χ^2/NDF:18.1/25

Out: 277.692+/-260.245 χ^2/NDF:54.9/28

All: -21.585+/-184.243 χ^2/NDF: 75.7/54

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1259.363+/-0.302 χ^2/NDF:82024.2/10

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1254.674+/-0.301 χ^2/NDF:70957.5/9

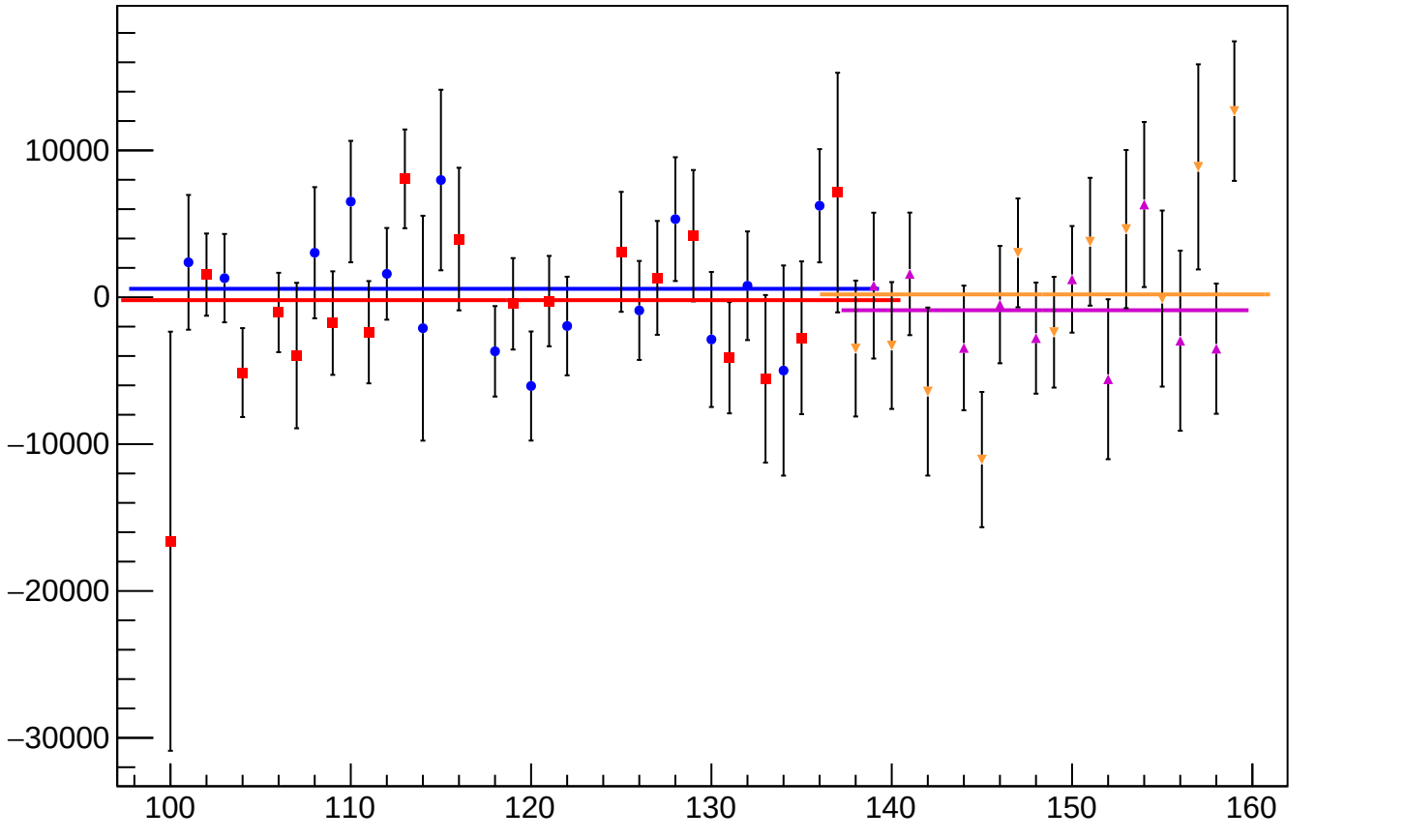
Left: 1257.010+/-0.213 χ^2/NDF: 153102.6/20

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1016.262+/-0.184 χ^2/NDF:1492007.4/25

Out: 1012.137+/-0.184 χ^2/NDF:1434984.3/28

All: 1014.193+/-0.130 χ^2/NDF: 2927242.5/54



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 193.779+/-1412.813 χ^2/NDF:19.4/10

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -883.208+/-1407.491 χ^2/NDF:4.3/9

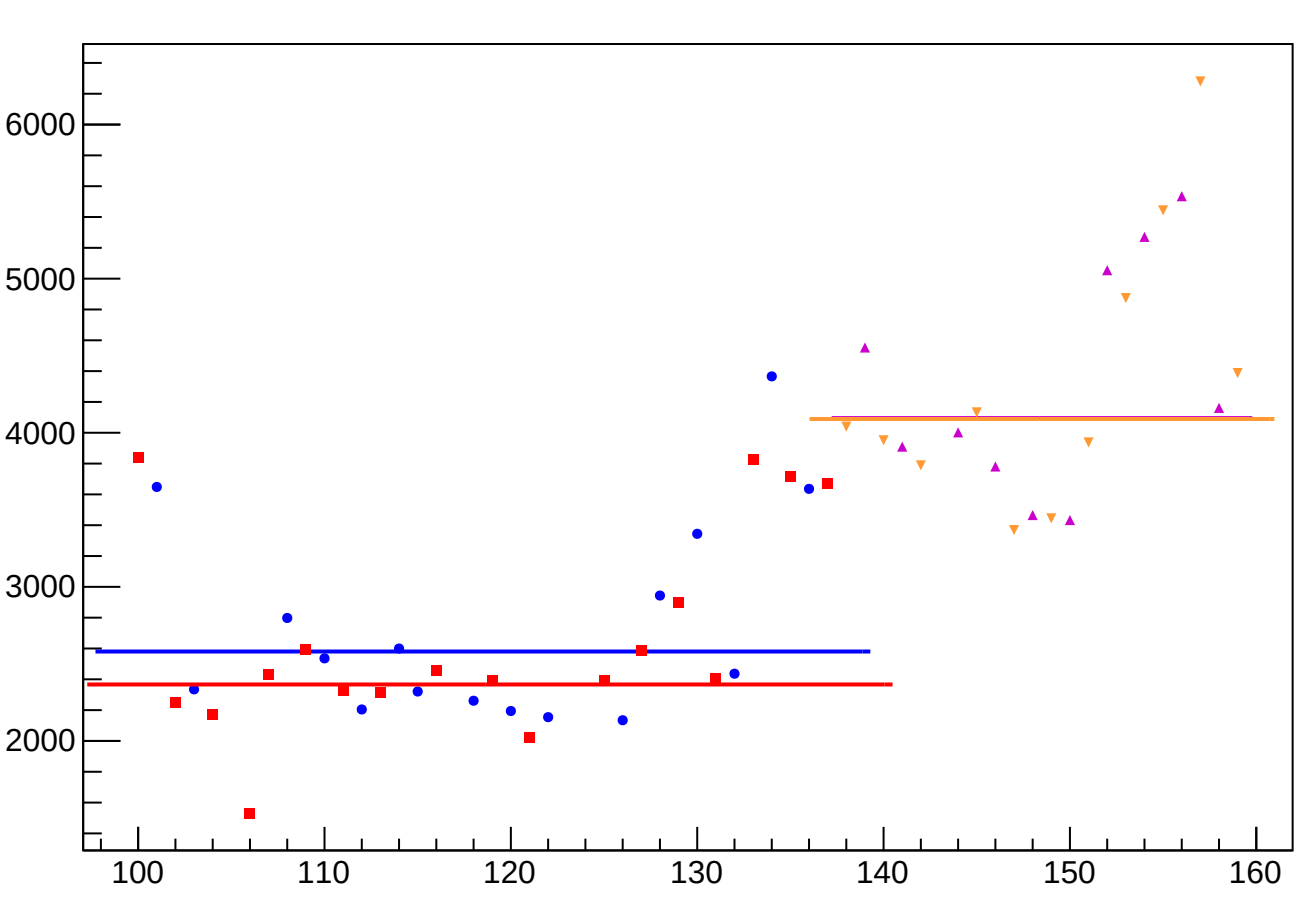
Left: -346.747+/-997.123 χ^2/NDF: 24.0/20

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 95.869+/-806.948 χ^2/NDF:19.7/25

Out: -85.926+/-755.530 χ^2/NDF:36.7/28

All: -1.004+/-551.523 χ^2/NDF: 56.4/54



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4089.441+/-0.999 χ^2/NDF:493624.1/10

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4095.419+/-0.995 χ^2/NDF:416392.4/9

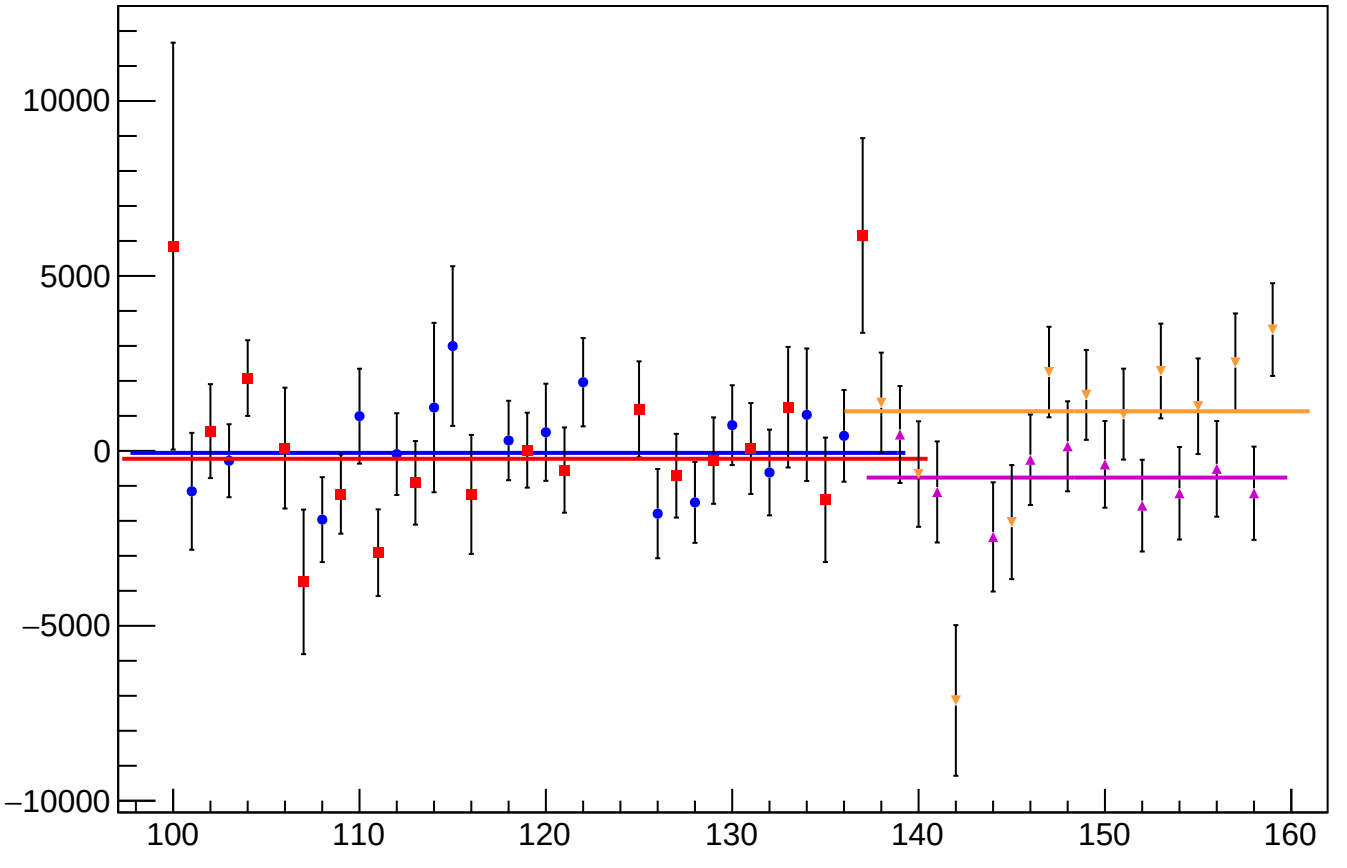
Left: 4092.442+/-0.705 χ^2/NDF: 910034.5/20

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3078.371+/-0.571 χ^2/NDF:2589174.0/25

Out: 2859.163+/-0.534 χ^2/NDF:3229330.0/28

All: 2961.561+/-0.390 χ^2/NDF: 5897149.8/54



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1132.773+/-427.419 χ^2/NDF:25.7/10

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -763.403+/-425.781 χ^2/NDF:3.4/9

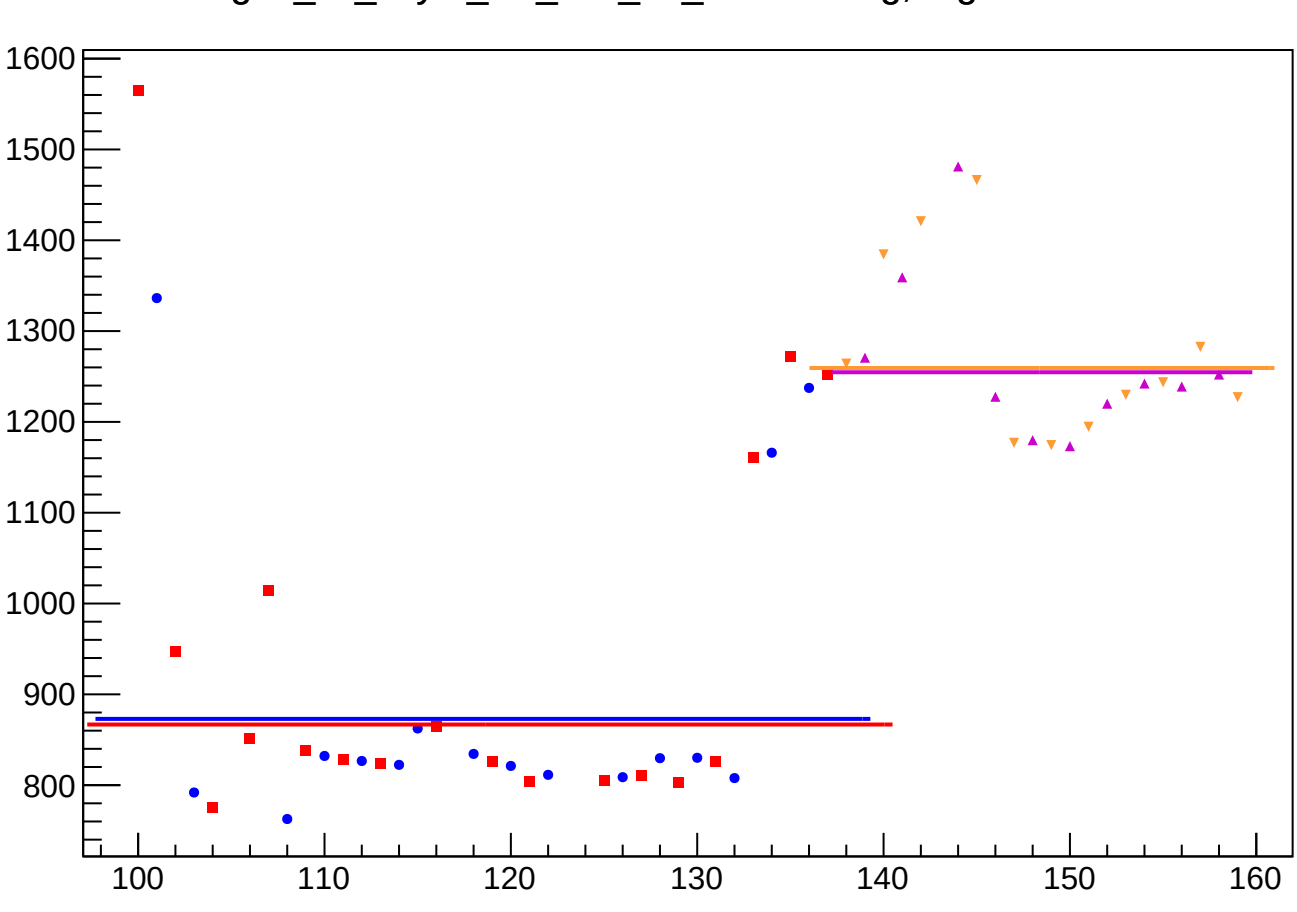
Left: 181.044+/-301.650 χ^2/NDF: 39.0/20

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -322.313+/-260.875 χ^2/NDF:18.1/25

Out: 277.689+/-260.245 χ^2/NDF:54.9/28

All: -21.588+/-184.243 χ^2/NDF: 75.7/54



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1259.365+/-0.302 χ^2/NDF:82025.6/10

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1254.675+/-0.301 χ^2/NDF:70958.2/9

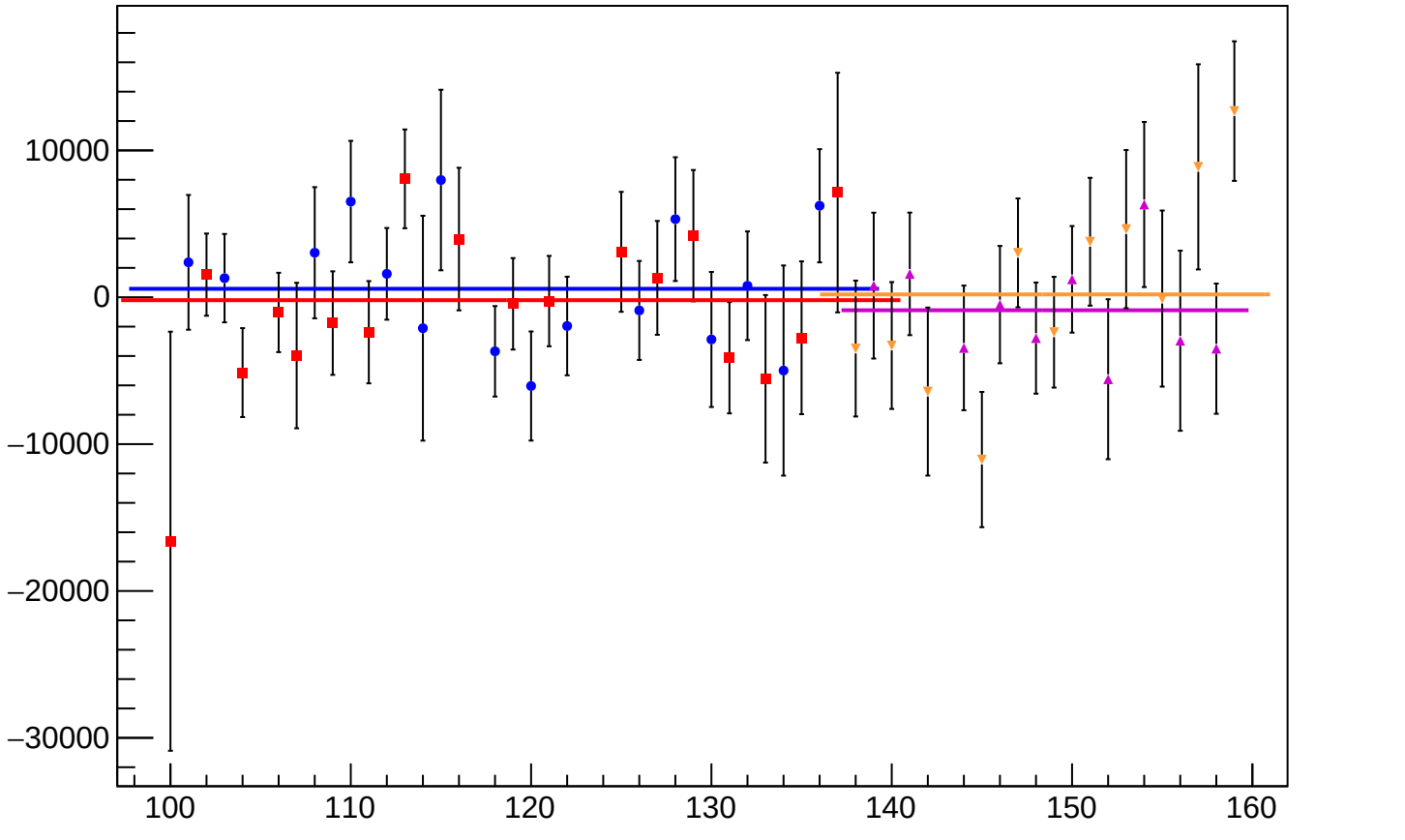
Left: 1257.011+/-0.213 χ^2/NDF: 153104.7/20

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1016.262+/-0.184 χ^2/NDF:1492013.1/25

Out: 1012.137+/-0.184 χ^2/NDF:1434991.7/28

All: 1014.193+/-0.130 χ^2/NDF: 2927255.6/54



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 193.780+/-1412.815 χ^2/NDF:19.4/10

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -883.210+/-1407.493 χ^2/NDF:4.3/9

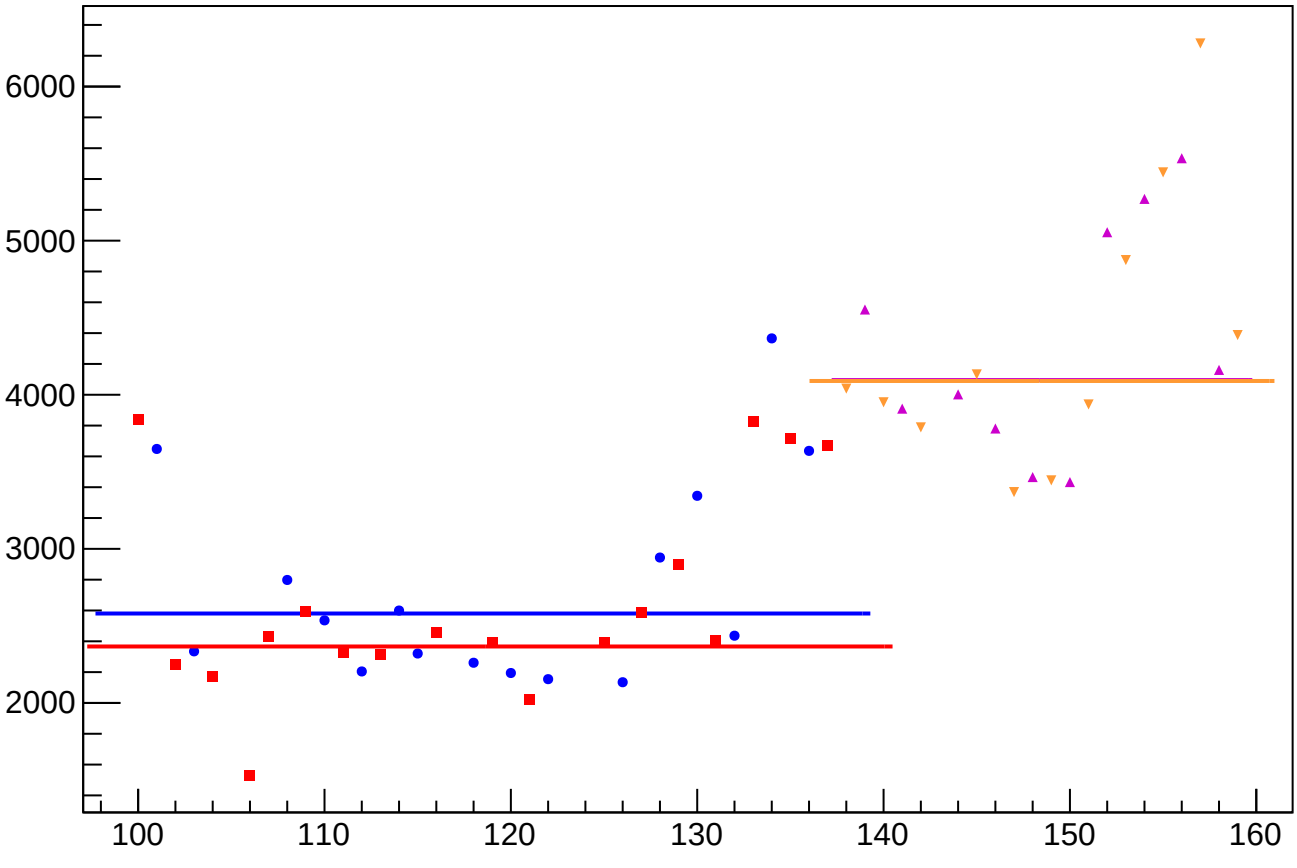
Left: -346.747+/-997.124 χ^2/NDF: 24.0/20

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 95.869+/-806.946 χ^2/NDF:19.7/25

Out: -85.927+/-755.529 χ^2/NDF:36.7/28

All: -1.005+/-551.522 χ^2/NDF: 56.4/54



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4089.447+/-0.999 χ^2/NDF:493626.9/10

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4095.424+/-0.995 χ^2/NDF:416396.1/9

Left: 4092.447+/-0.705 χ^2/NDF: 910040.9/20

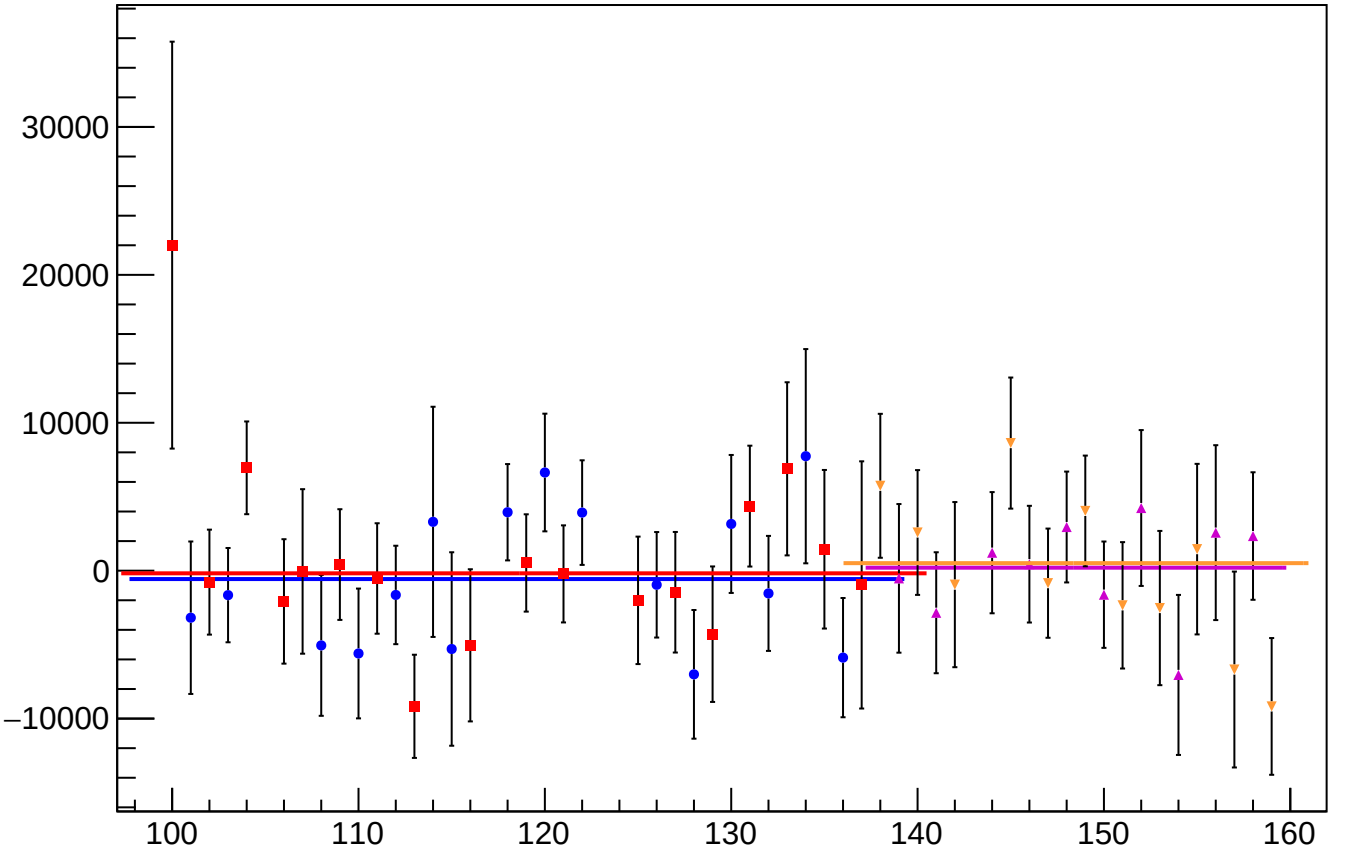
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3078.364+/-0.571 χ^2/NDF:2589212.6/25

Out: 2859.156+/-0.534 χ^2/NDF:3229366.0/28

All: 2961.554+/-0.390 χ^2/NDF: 5897224.2/54

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 509.329+/-1390.142 χ^2/NDF:12.2/10

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 202.571+/-1380.818 χ^2/NDF:4.2/9

Left: 354.918+/-979.666 χ^2/NDF: 16.5/20

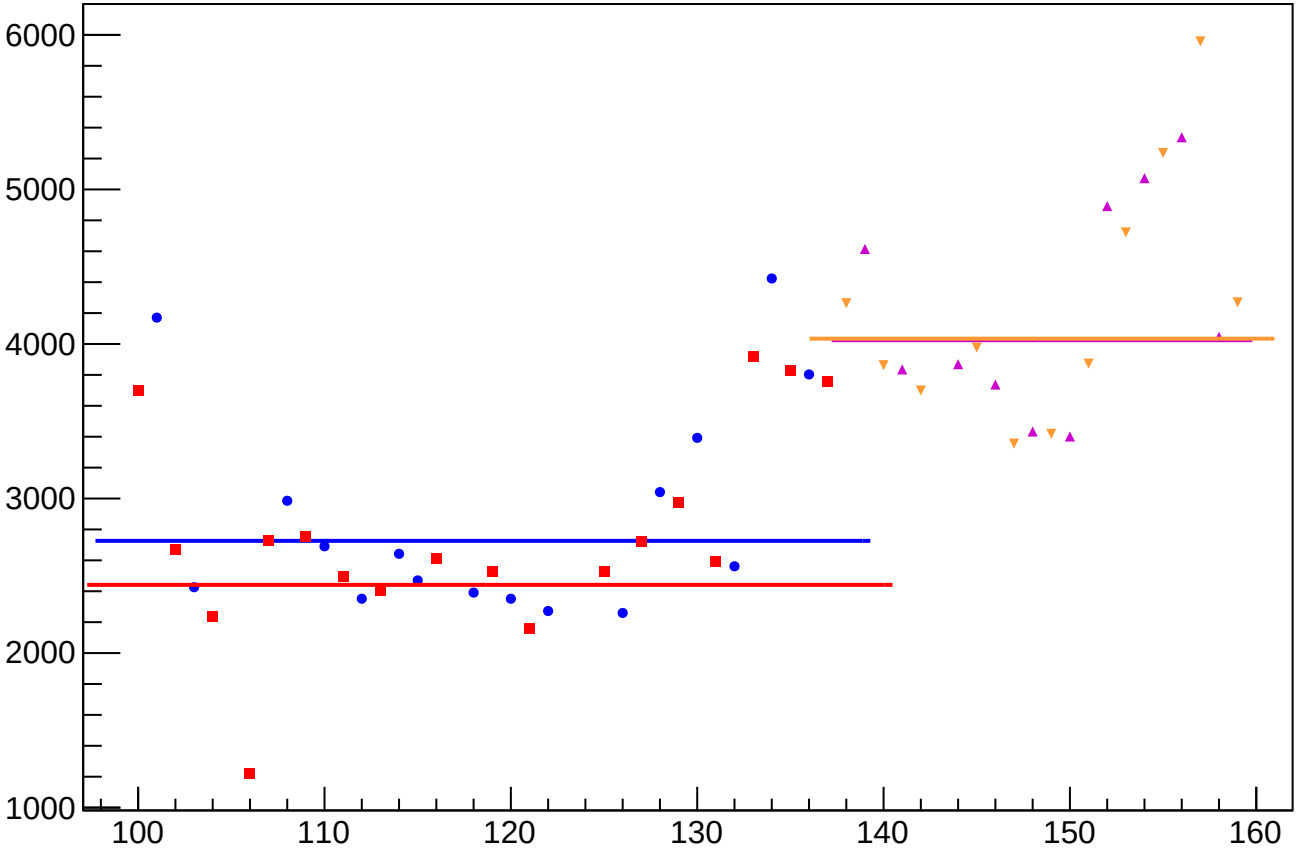
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -287.770+/-830.891 χ^2/NDF:20.6/25

Out: 52.401+/-805.538 χ^2/NDF:31.9/28

All: -112.415+/-578.357 χ^2/NDF: 52.6/54

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4034.374+/-0.983 χ^2/NDF:435478.0/10

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4024.547+/-0.976 χ^2/NDF:383207.0/9

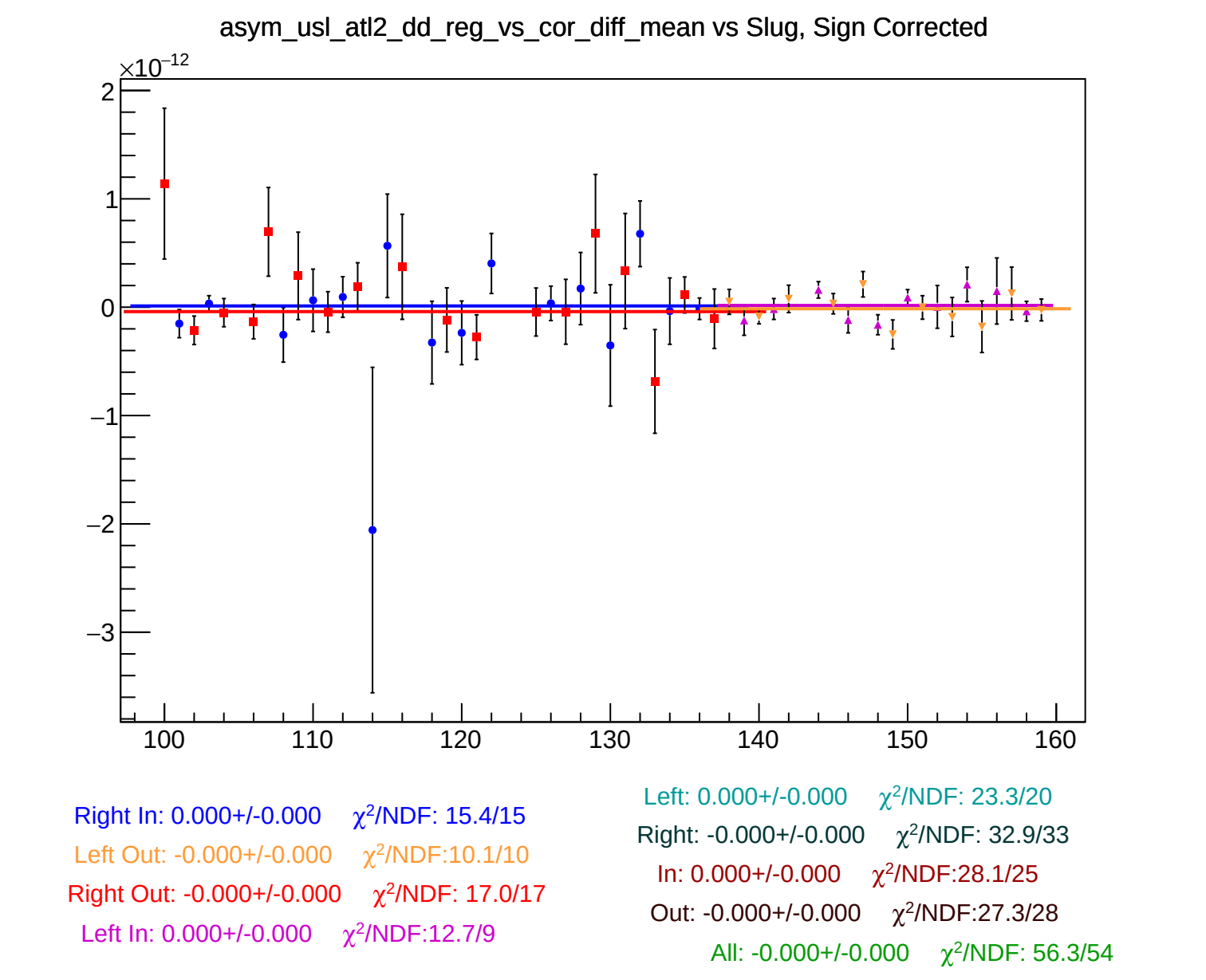
Left: 4029.428+/-0.693 χ^2/NDF: 818735.3/20

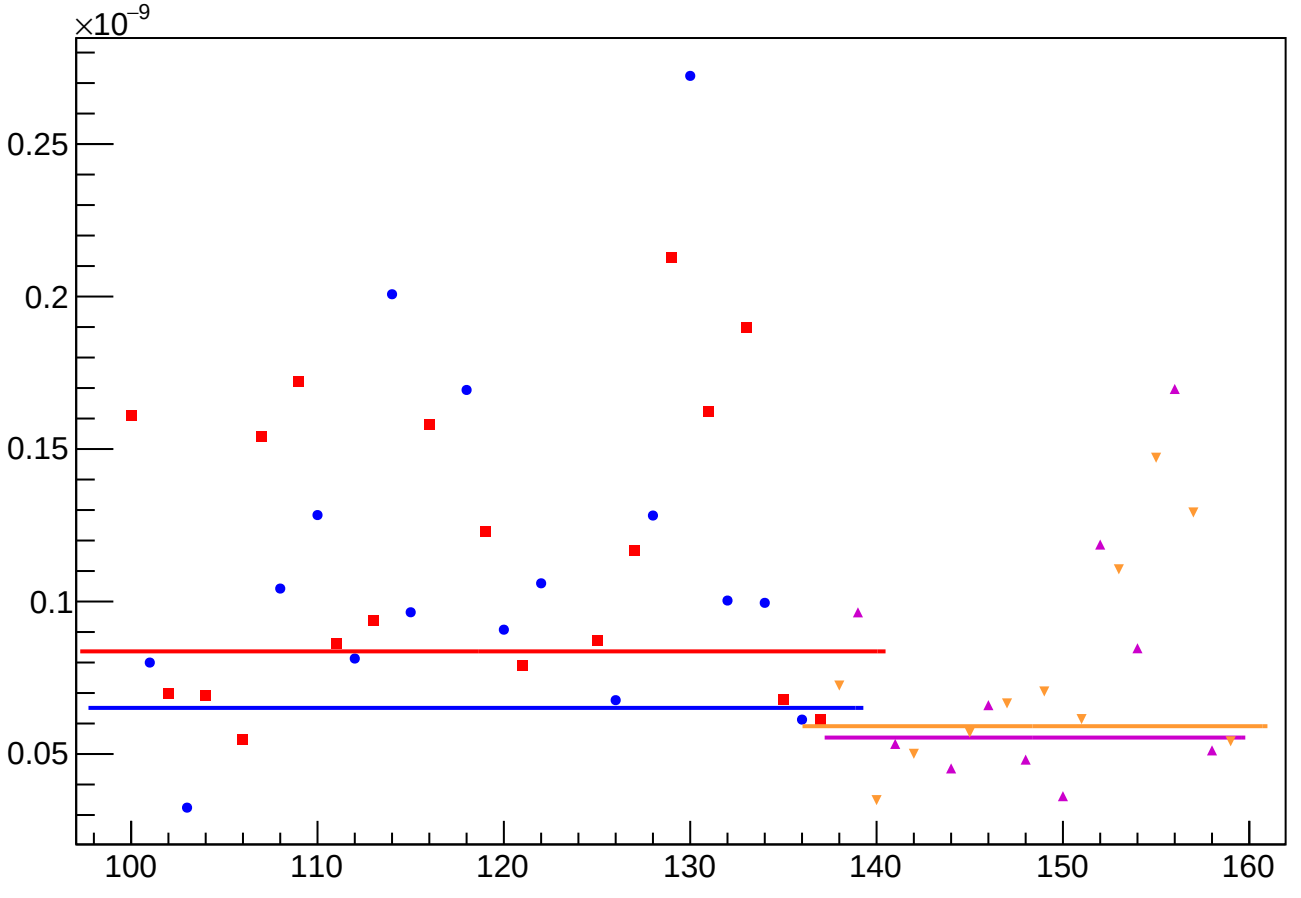
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3196.337+/-0.588 χ^2/NDF:2134207.0/25

Out: 2943.531+/-0.552 χ^2/NDF:3125037.5/28

All: 3062.036+/-0.402 χ^2/NDF: 5357602.1/54


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:10.1/10
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:12.7/9
Left: 0.000+/-0.000 χ²/NDF: 23.3/20
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:28.1/25
Out: -0.000+/-0.000 χ²/NDF:27.3/28
All: -0.000+/-0.000 χ²/NDF: 56.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:932254.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:939702.1/9

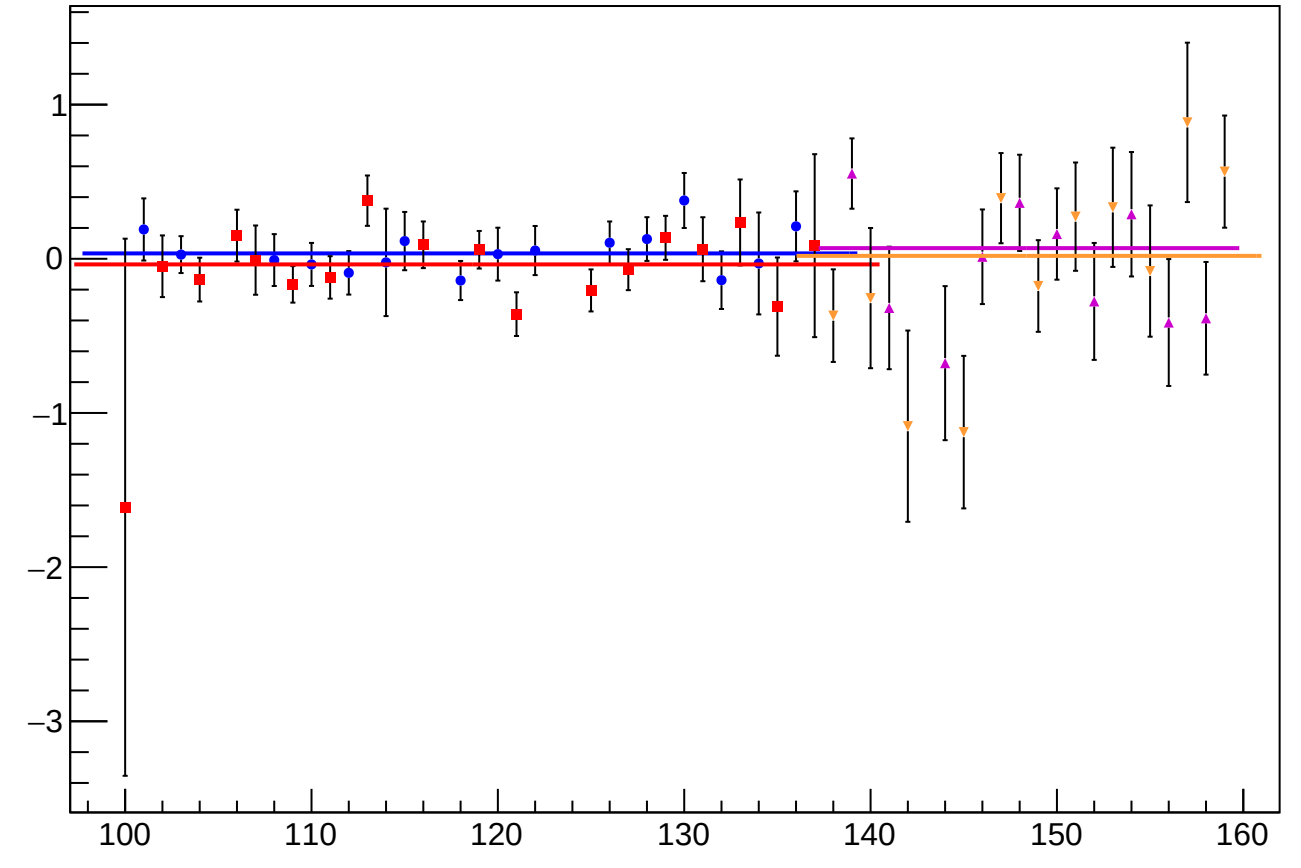
Left: 0.000+/-0.000 χ^2/NDF: 1884163.1/20

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2224491.4/25

Out: 0.000+/-0.000 χ^2/NDF:1923348.6/28

All: 0.000+/-0.000 χ^2/NDF: 4218536.0/54



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.019+/-0.114 χ^2/NDF:18.9/10

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

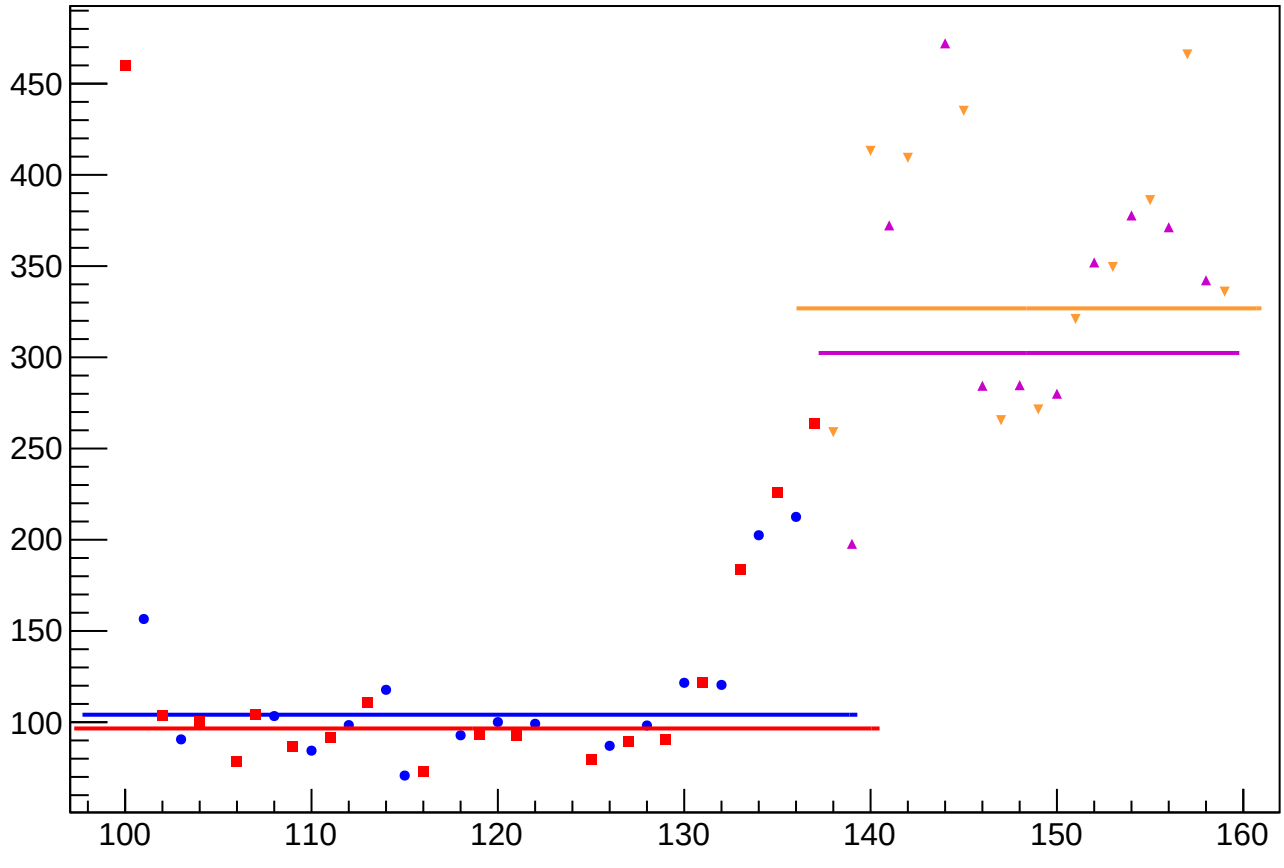
Left: 0.046+/-0.078 χ^2/NDF: 31.8/20

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.003+/-0.027 χ^2/NDF: 65.5/54



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.830+/-0.080 χ^2/NDF:655254.0/10

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

Left: 313.782+/-0.055 χ^2/NDF: 1626340.3/20

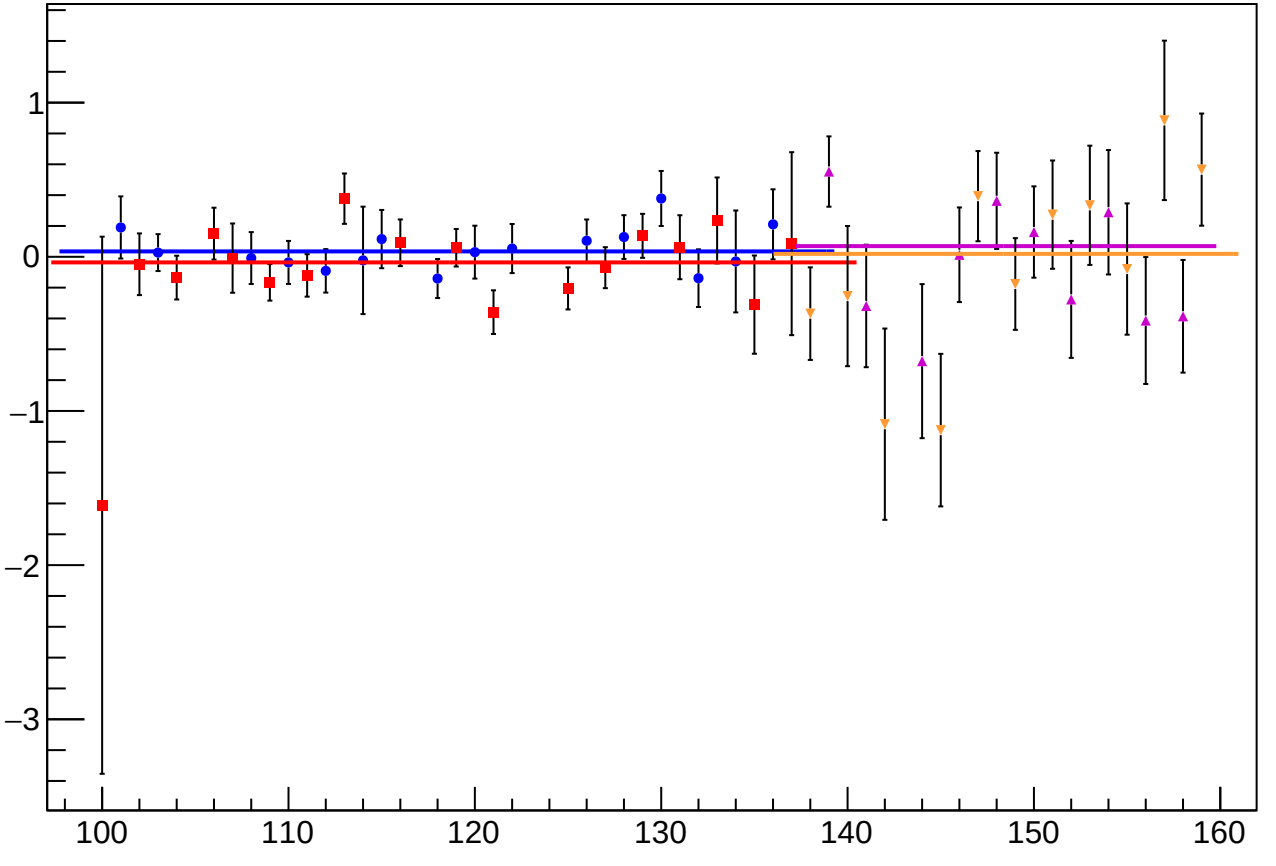
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 129.765+/-0.027 χ^2/NDF:7957267.7/25

Out: 120.658+/-0.026 χ^2/NDF:8942023.4/28

All: 125.033+/-0.019 χ^2/NDF: 16958102.5/54

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: 0.019+/-0.114 χ^2/NDF:18.9/10

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

Left: 0.046+/-0.078 χ^2/NDF: 31.8/20

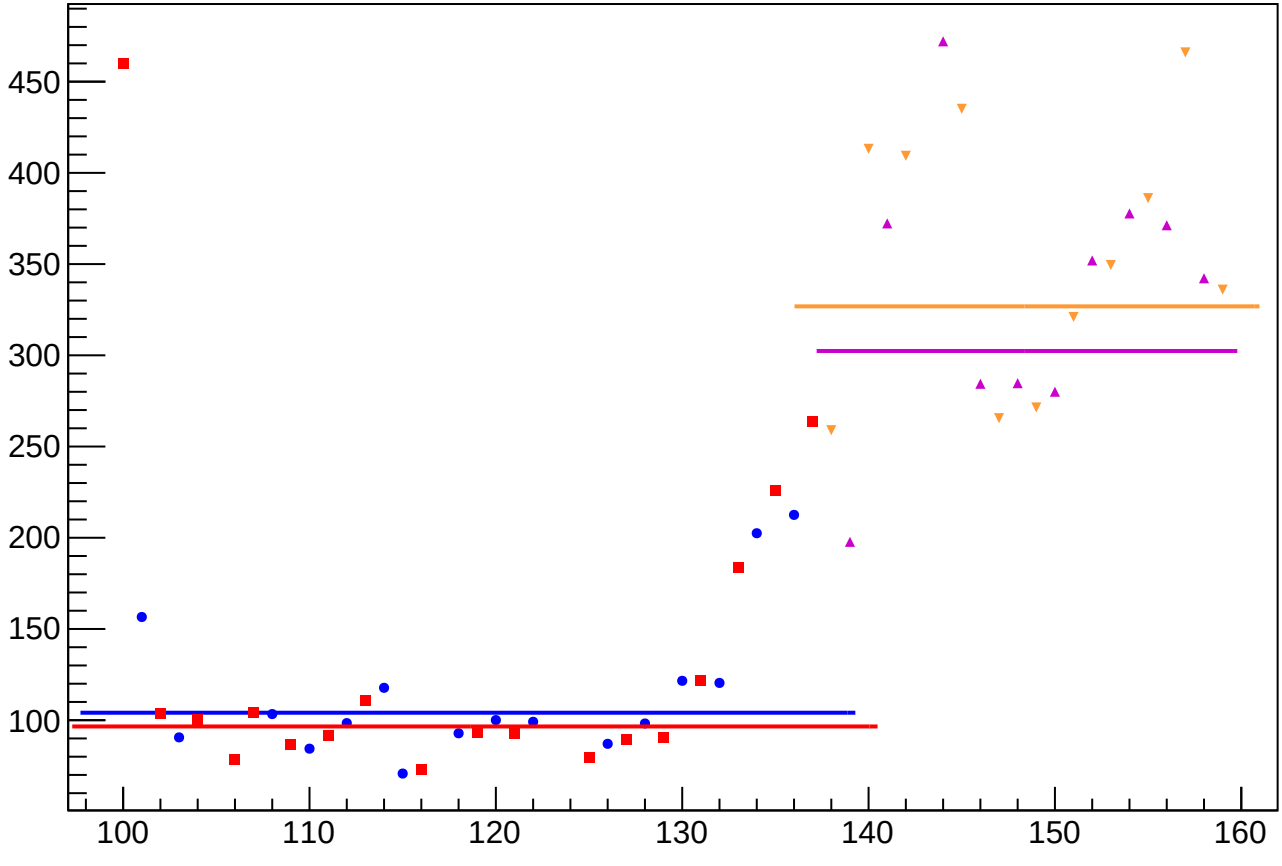
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.003+/-0.027 χ^2/NDF: 65.5/54

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: 326.830+/-0.080 χ^2/NDF:655254.0/10

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

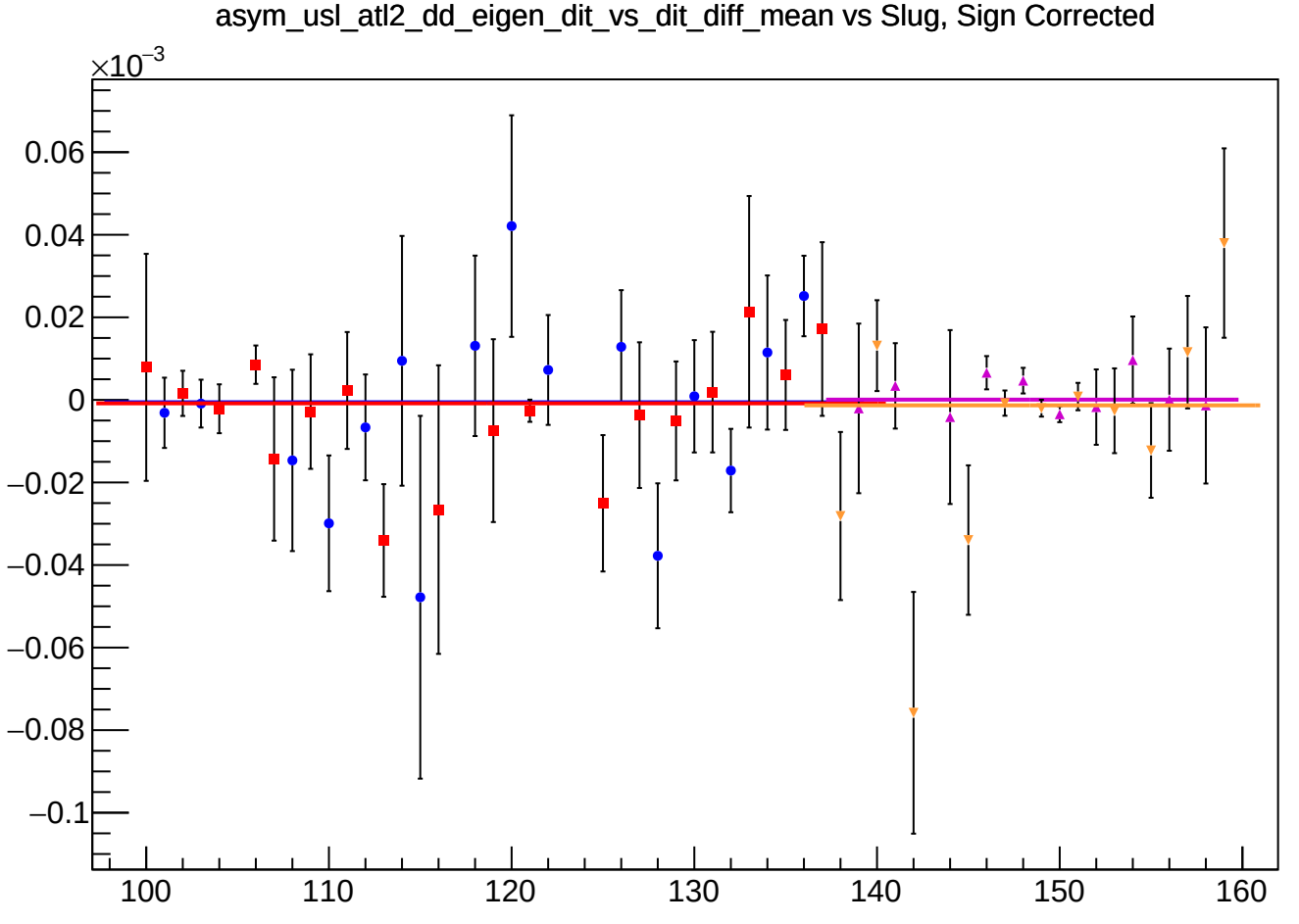
Left: 313.782+/-0.055 χ^2/NDF: 1626340.3/20

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 129.765+/-0.027 χ^2/NDF:7957267.7/25

Out: 120.658+/-0.026 χ^2/NDF:8942023.4/28

All: 125.033+/-0.019 χ^2/NDF: 16958102.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/9

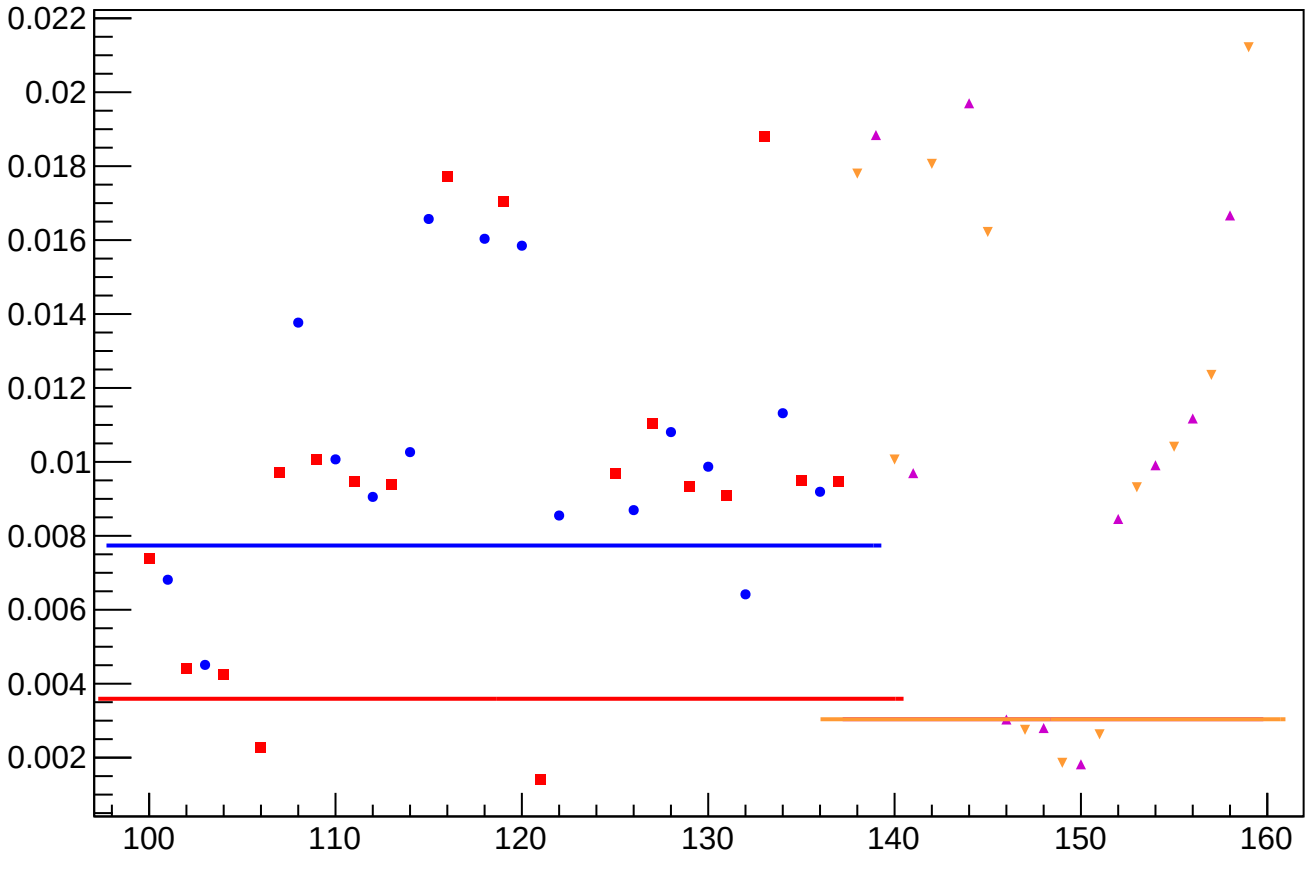
Left: -0.000+/-0.000 χ^2/NDF: 28.2/20

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.2/25

Out: -0.000+/-0.000 χ^2/NDF:34.4/28

All: -0.000+/-0.000 χ^2/NDF: 68.0/54



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:7936434.0/10

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:7531546.5/9

Left: 0.003+/-0.000 χ^2/NDF: 15467981.9/20

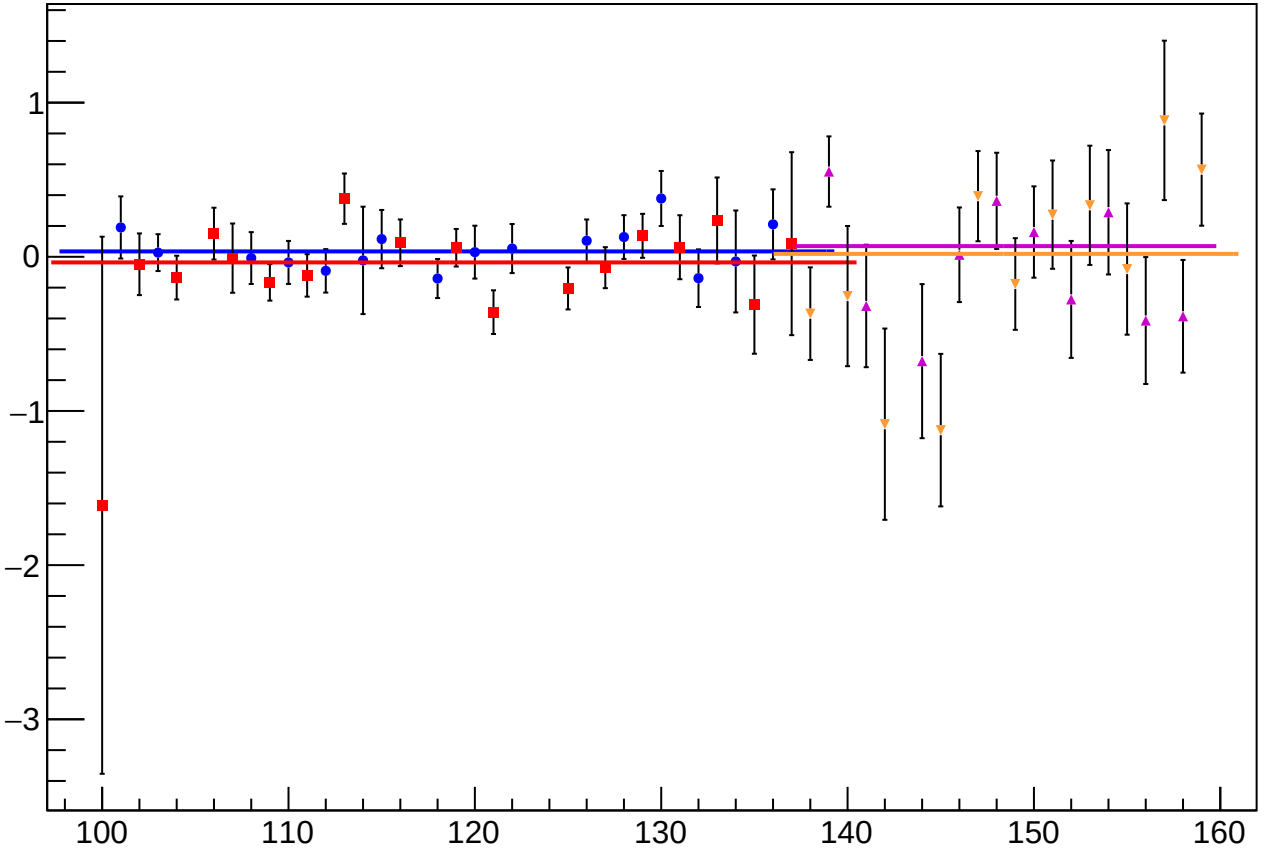
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:12984757.0/25

Out: 0.003+/-0.000 χ^2/NDF:14413348.2/28

All: 0.004+/-0.000 χ^2/NDF: 27655790.9/54

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: 0.019+/-0.114 χ^2/NDF:18.9/10

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

Left: 0.046+/-0.078 χ^2/NDF: 31.8/20

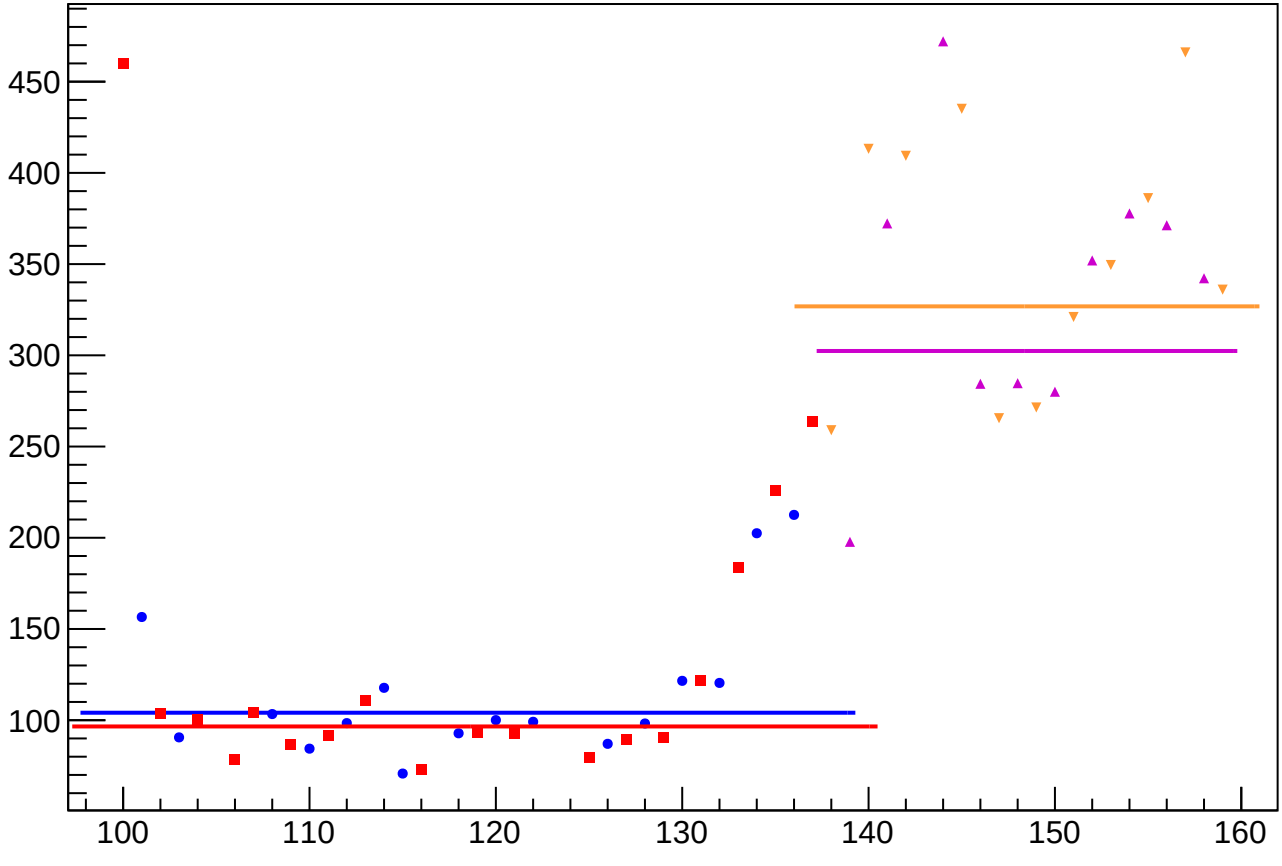
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.003+/-0.027 χ^2/NDF: 65.5/54

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: 326.833+/-0.080 χ^2/NDF:655307.7/10

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

Left: 313.785+/-0.055 χ^2/NDF: 1626376.4/20

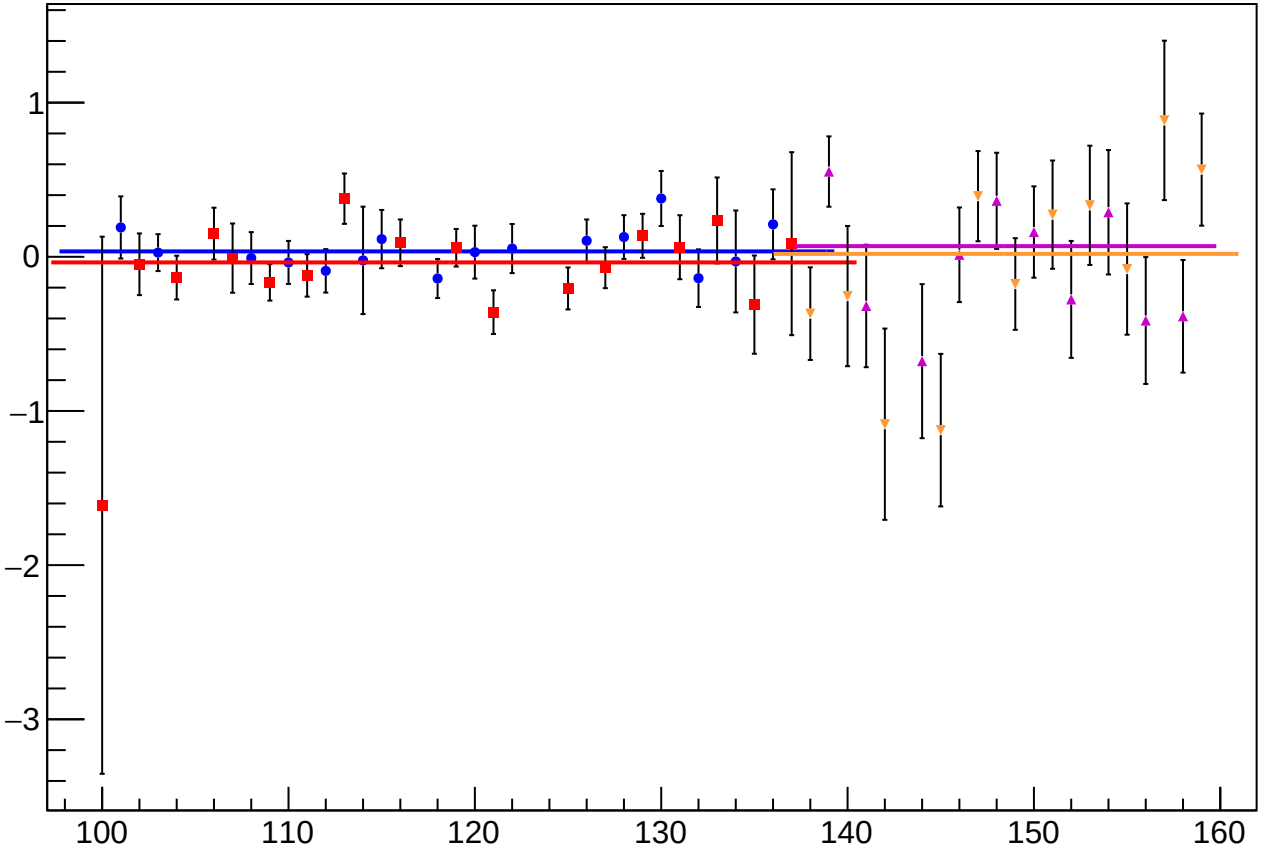
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 129.766+/-0.027 χ^2/NDF:7957265.4/25

Out: 120.660+/-0.026 χ^2/NDF:8941960.9/28

All: 125.034+/-0.019 χ^2/NDF: 16958030.7/54

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: 0.019+/-0.114 χ^2/NDF:18.9/10

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

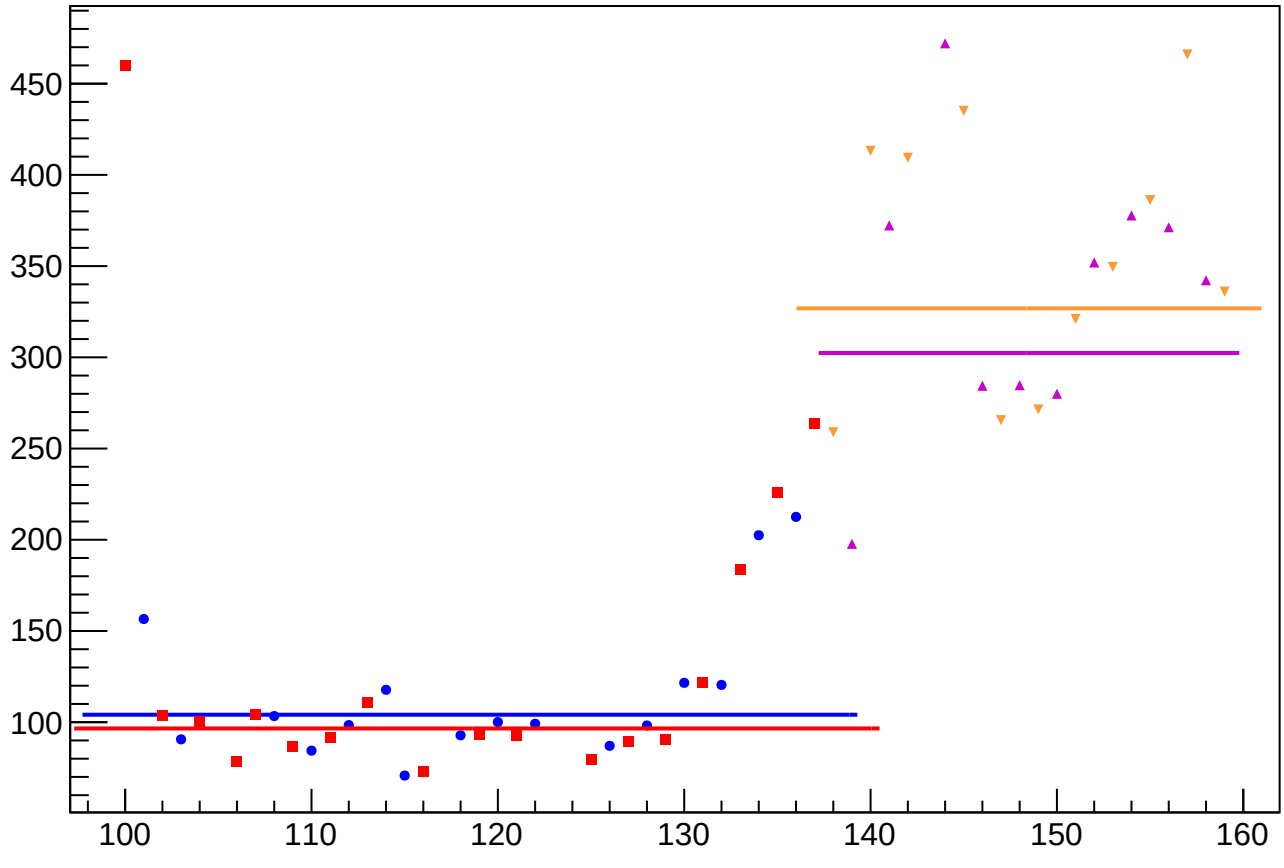
Left: 0.046+/-0.078 χ^2/NDF: 31.8/20

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.003+/-0.027 χ^2/NDF: 65.5/54



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.833+/-0.080 χ^2/NDF:655307.7/10

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

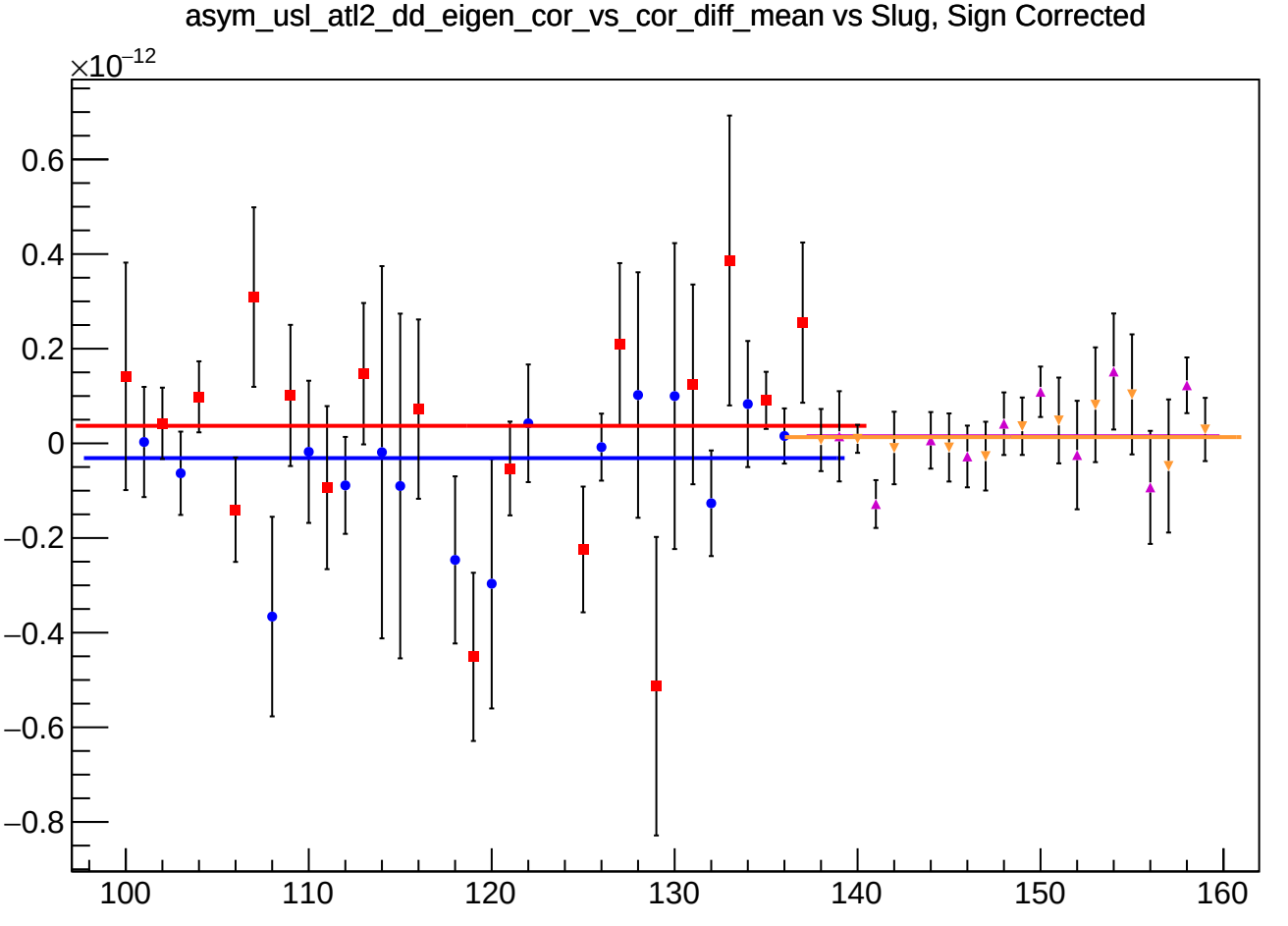
Left: 313.785+/-0.055 χ^2/NDF: 1626376.4/20

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 129.766+/-0.027 χ^2/NDF:7957265.4/25

Out: 120.660+/-0.026 χ^2/NDF:8941960.9/28

All: 125.034+/-0.019 χ^2/NDF: 16958030.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:17.3/9

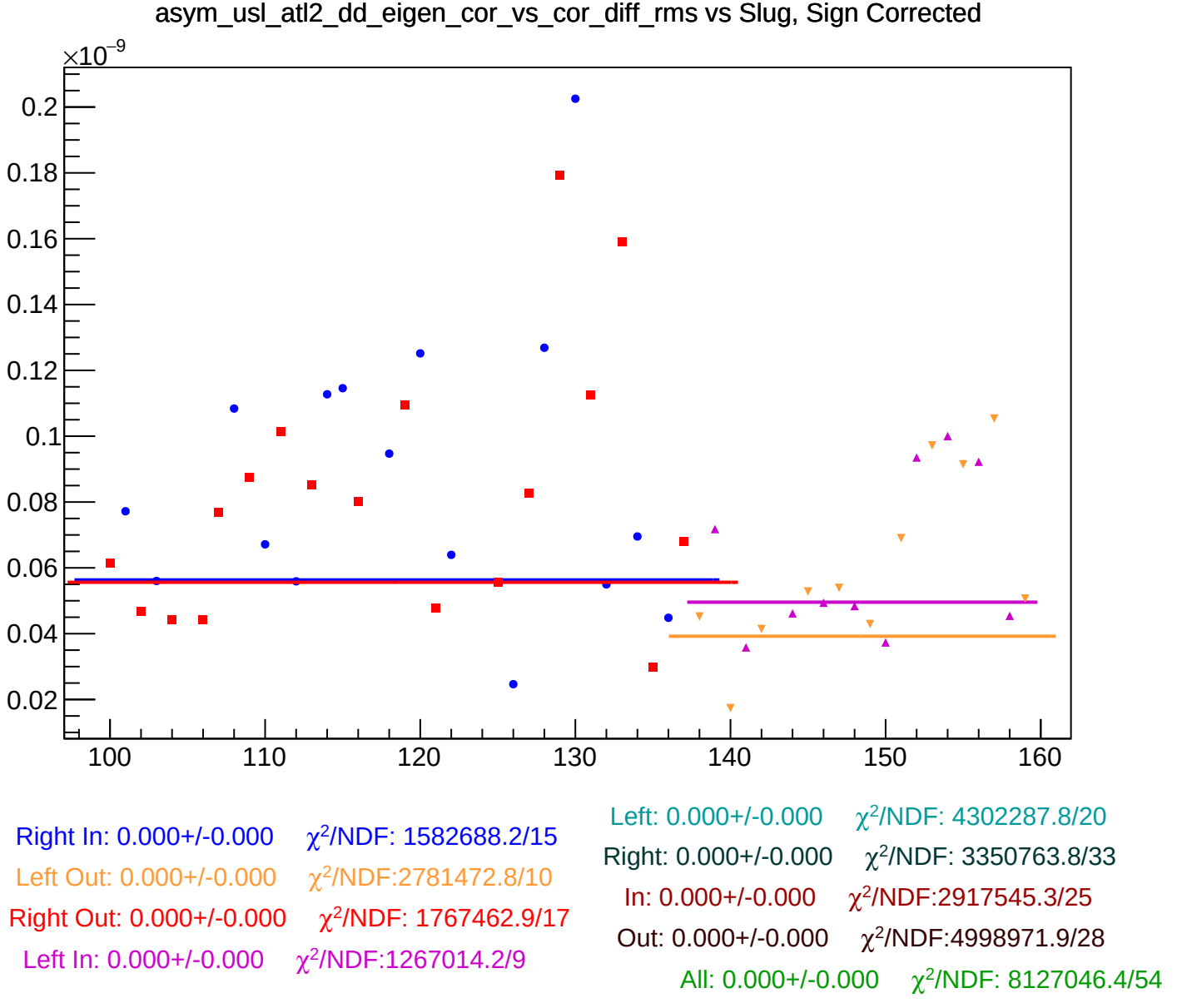
Left: 0.000+/-0.000 χ^2/NDF: 19.2/20

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

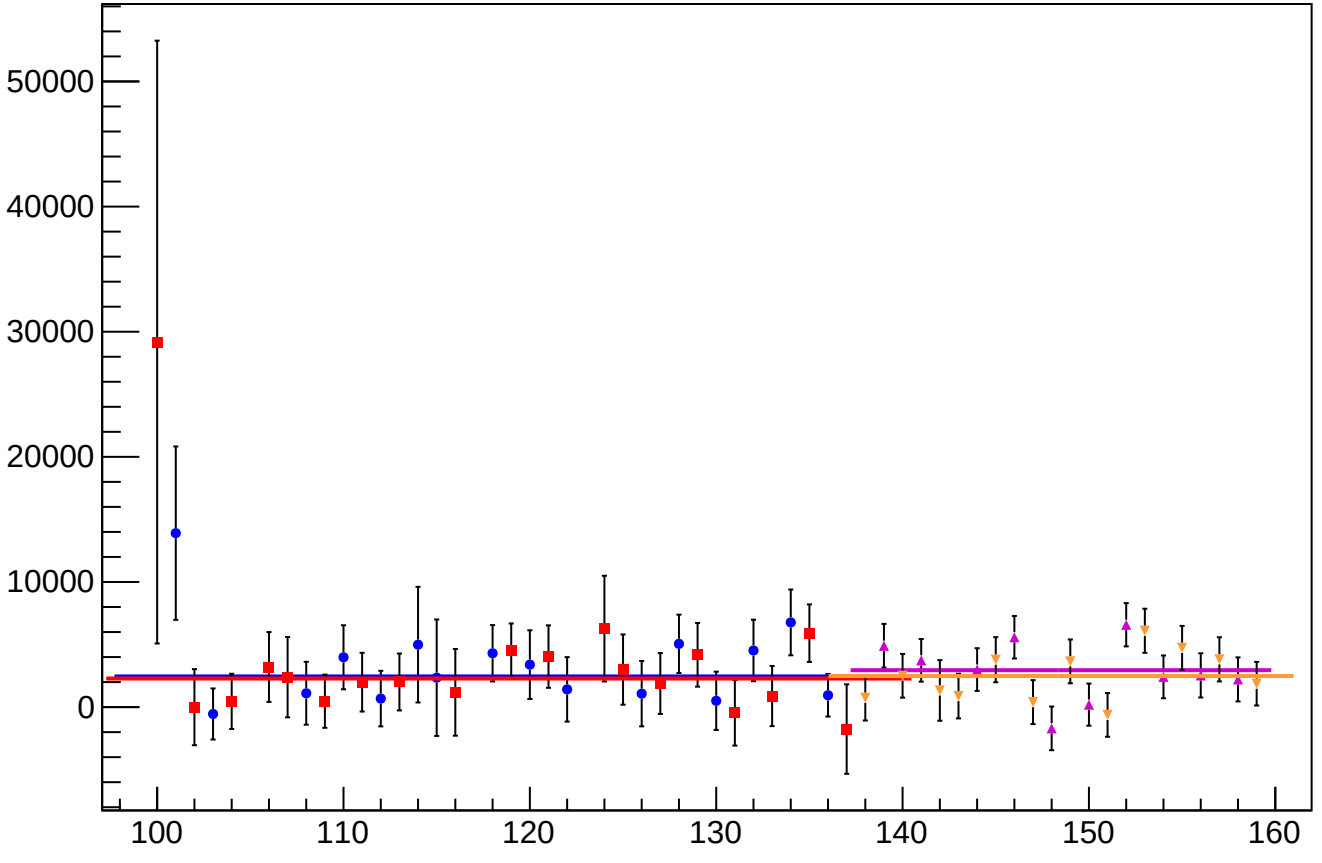
In: -0.000+/-0.000 χ^2/NDF:27.5/25

Out: 0.000+/-0.000 χ^2/NDF:29.4/28

All: 0.000+/-0.000 χ^2/NDF: 57.7/54


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2781472.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1267014.2/9
Left: 0.000+/-0.000 χ²/NDF: 4302287.8/20
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:2917545.3/25
Out: 0.000+/-0.000 χ²/NDF:4998971.9/28
All: 0.000+/-0.000 χ²/NDF: 8127046.4/54

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2482.766+/-520.140 χ^2/NDF:14.0/11

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2950.835+/-545.110 χ^2/NDF:18.4/9

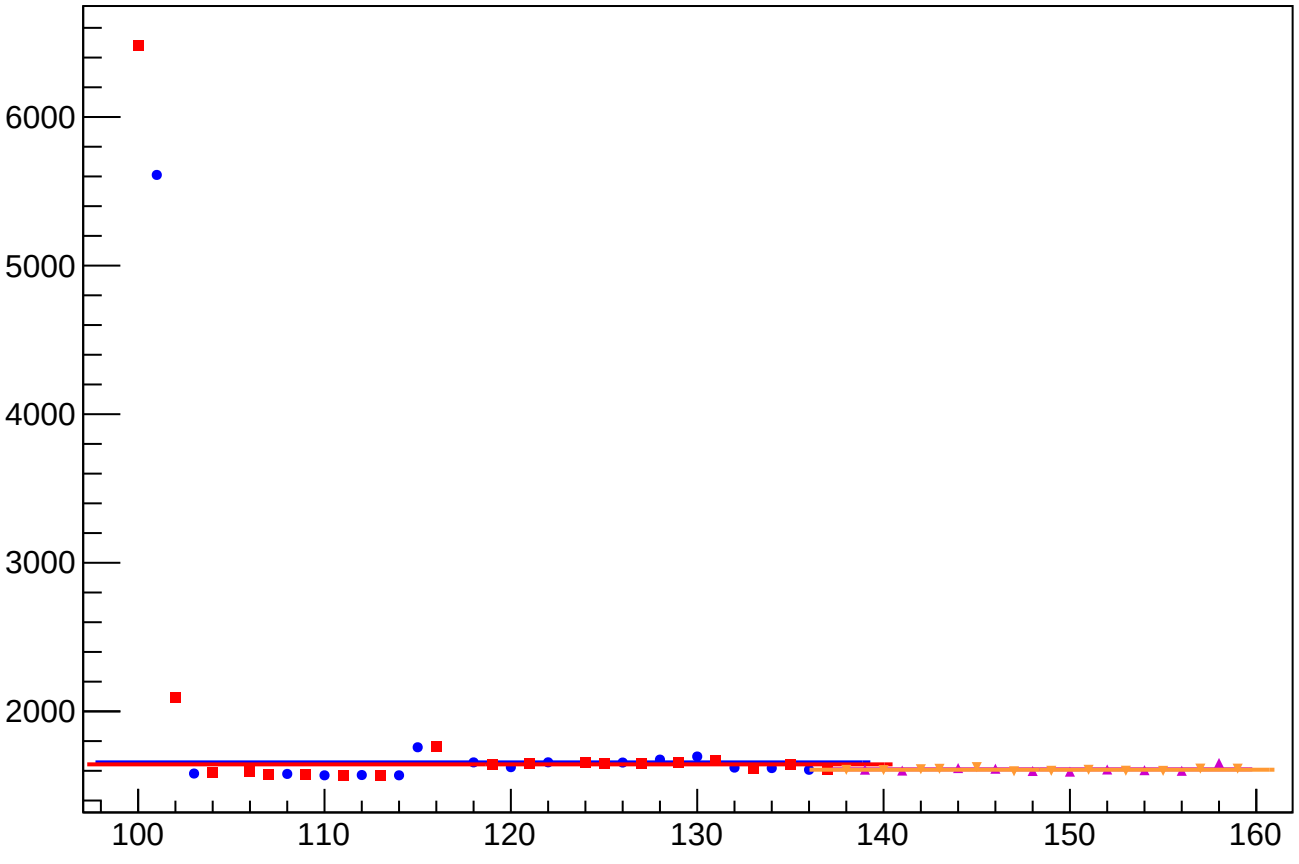
Left: 2705.834+/-376.312 χ^2/NDF: 32.8/21

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2736.483+/-412.287 χ^2/NDF:32.6/25

Out: 2400.039+/-395.559 χ^2/NDF:25.9/30

All: 2561.297+/-285.433 χ^2/NDF: 58.9/56



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.343+/-0.368 χ^2/NDF:464.3/11

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

Left: 1608.652+/-0.266 χ^2/NDF: 2116.4/21

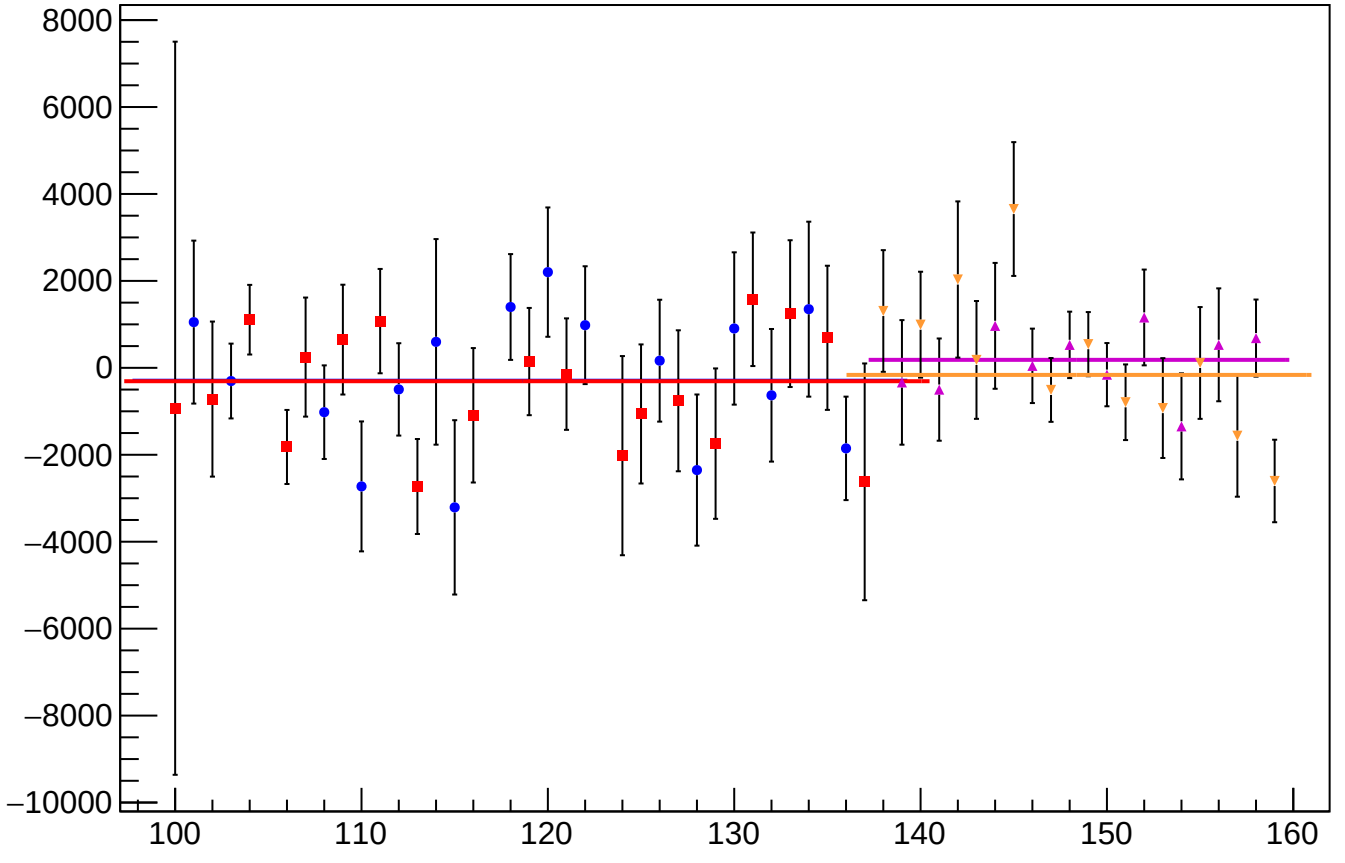
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1630.029+/-0.292 χ^2/NDF:674105.1/25

Out: 1622.560+/-0.280 χ^2/NDF:141521.5/30

All: 1626.140+/-0.202 χ^2/NDF: 815968.4/56

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: -162.617+/-309.292 χ^2/NDF:19.5/11

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 183.872+/-315.994 χ^2/NDF:4.0/9

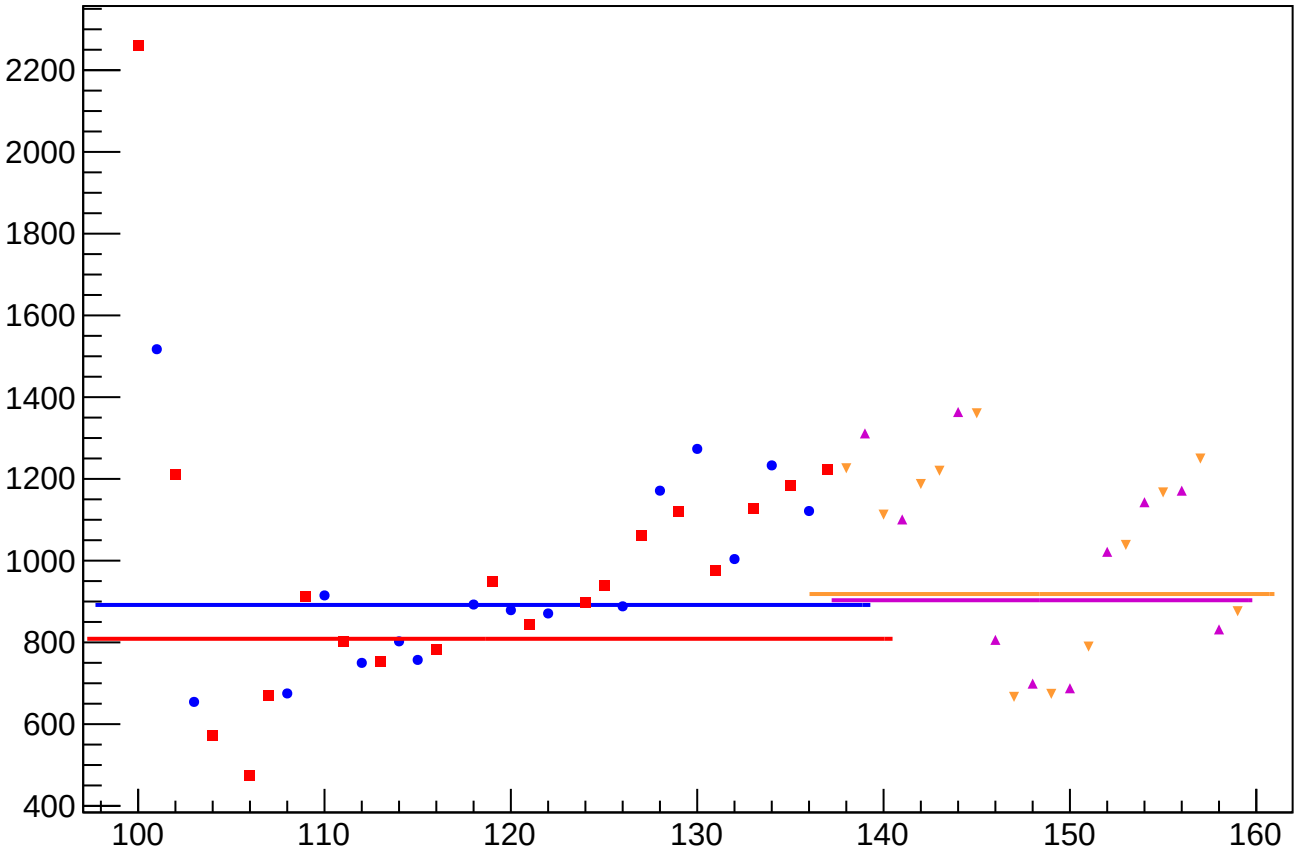
Left: 6.914+/-221.034 χ^2/NDF: 24.0/21

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -36.335+/-232.539 χ^2/NDF:21.0/25

Out: -234.285+/-219.994 χ^2/NDF:38.3/30

All: -140.794+/-159.810 χ^2/NDF: 59.6/56



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 918.348+/-0.219 χ^2/NDF:1166218.8/11

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 903.138+/-0.223 χ^2/NDF:963266.8/9

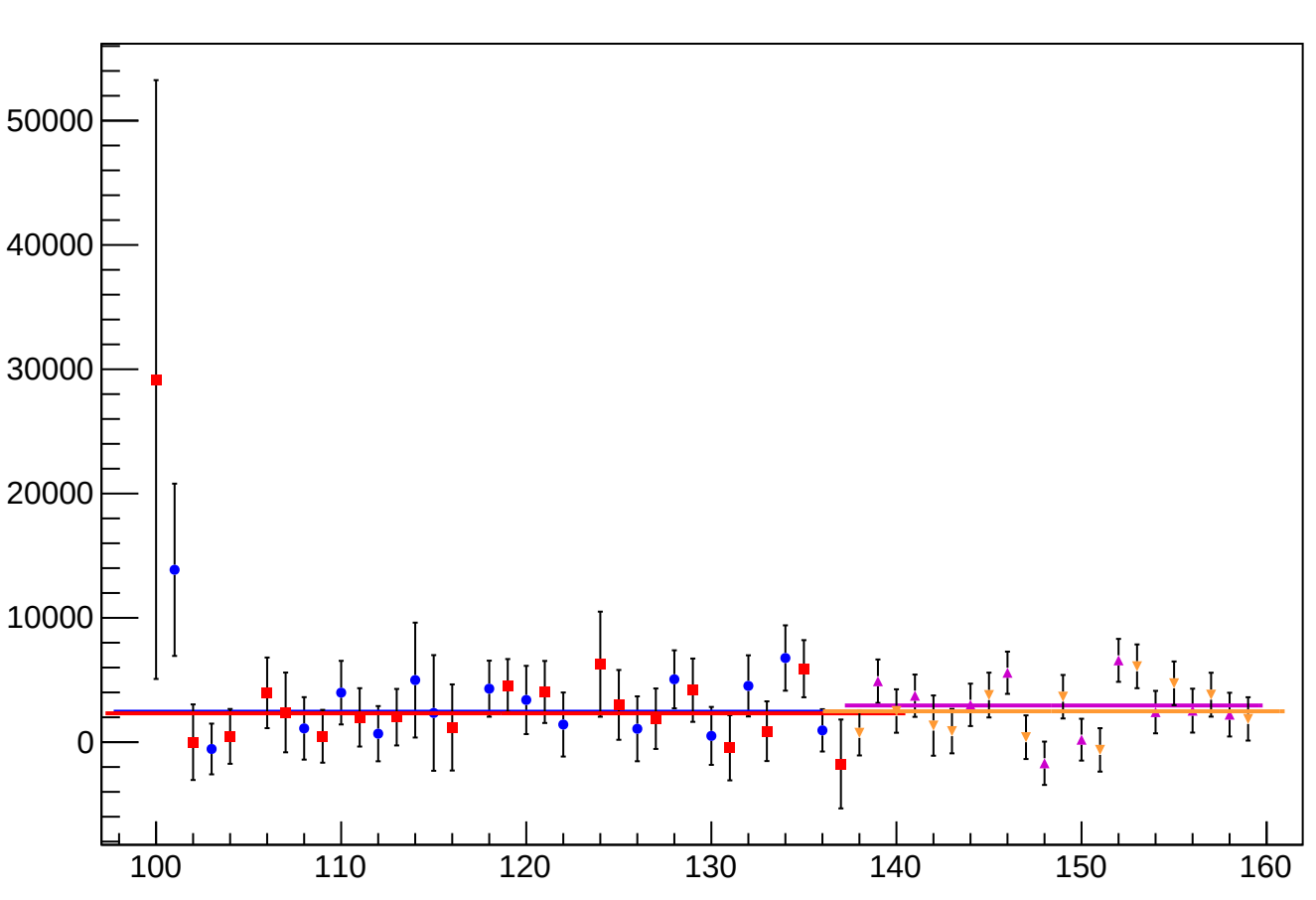
Left: 910.906+/-0.156 χ^2/NDF: 2131852.2/21

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 897.863+/-0.164 χ^2/NDF:1758379.4/25

Out: 864.227+/-0.156 χ^2/NDF:2374004.1/30

All: 880.113+/-0.113 χ^2/NDF: 4154465.7/56



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2482.736+/-520.140 χ^2/NDF:14.0/11

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2950.887+/-545.110 χ^2/NDF:18.4/9

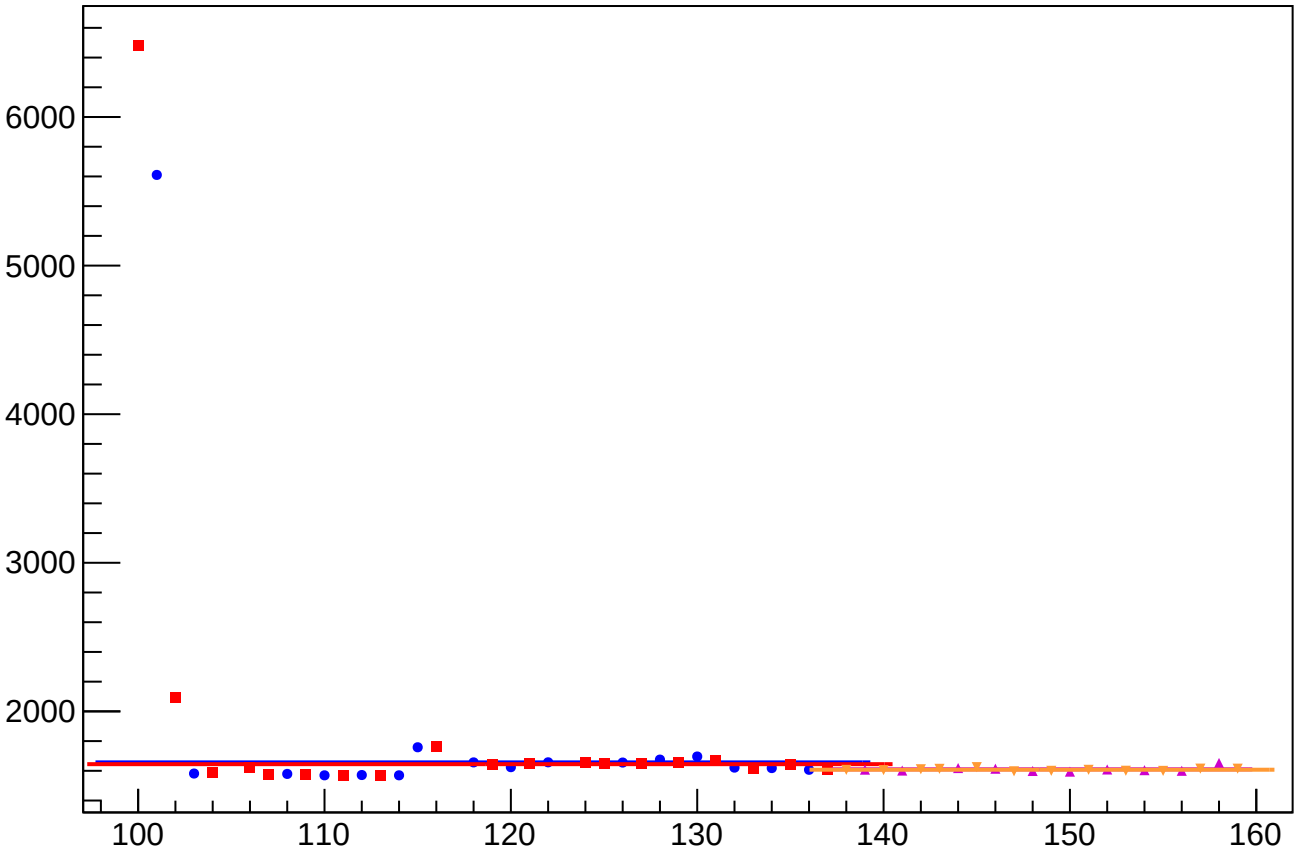
Left: 2705.844+/-376.312 χ^2/NDF: 32.8/21

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2736.273+/-412.288 χ^2/NDF:32.6/25

Out: 2414.424+/-395.696 χ^2/NDF:26.1/30

All: 2568.742+/-285.485 χ^2/NDF: 59.0/56



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.343+/-0.368 χ^2/NDF:464.3/11

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

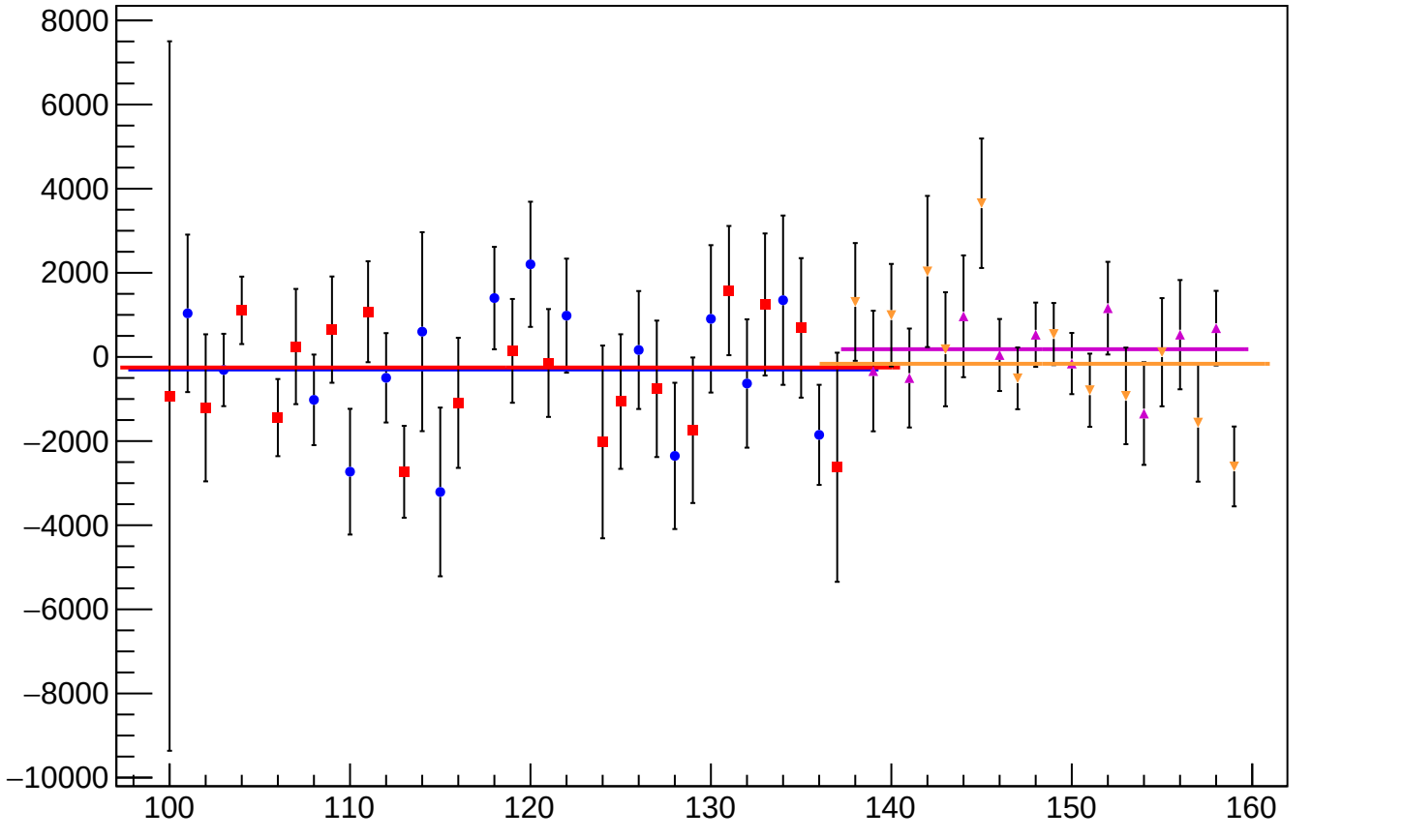
Left: 1608.652+/-0.266 χ^2/NDF: 2116.4/21

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.029+/-0.292 χ^2/NDF:674104.6/25

Out: 1623.094+/-0.280 χ^2/NDF:141301.0/30

All: 1626.419+/-0.202 χ^2/NDF: 815700.1/56



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -162.706+/-309.289 χ^2/NDF:19.5/11

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 183.901+/-315.995 χ^2/NDF:4.0/9

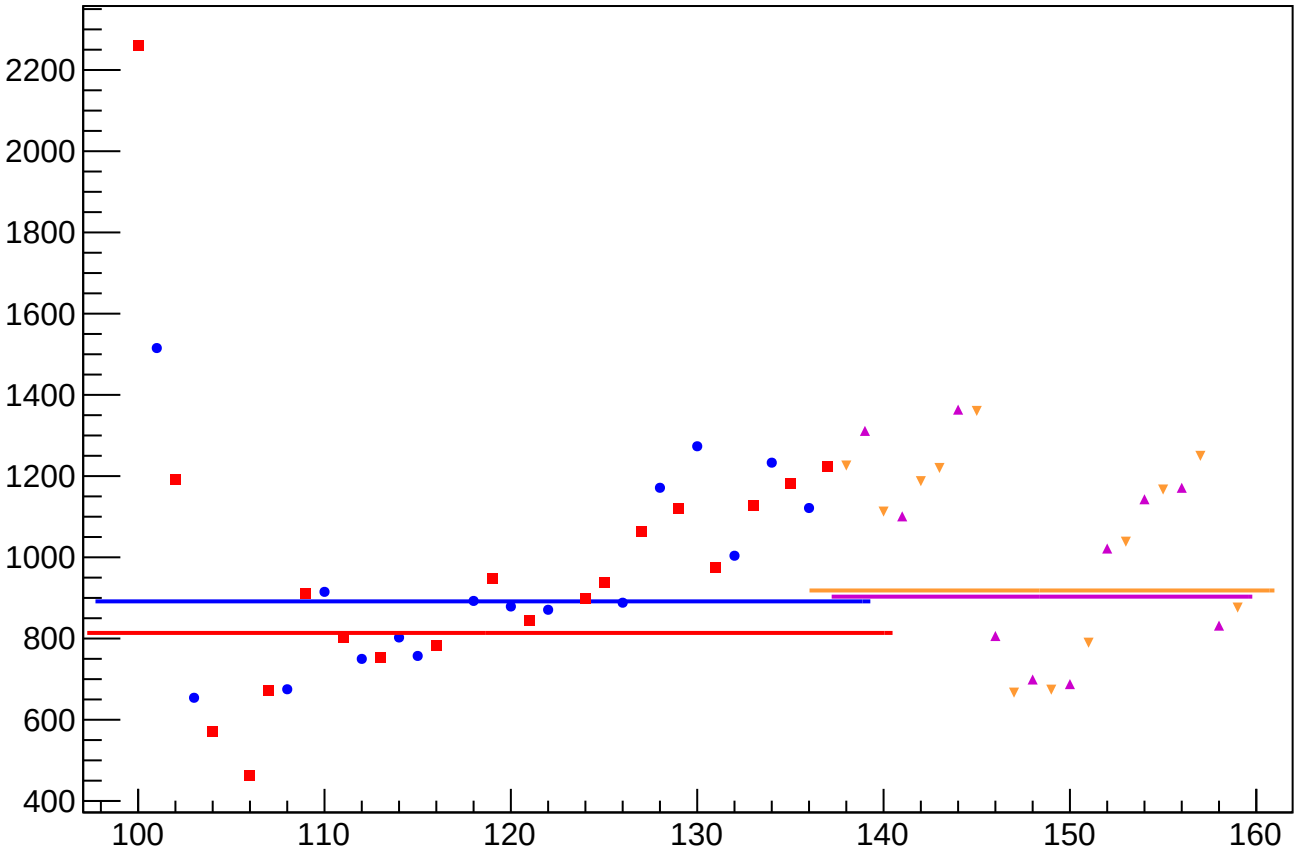
Left: 6.880+/-221.033 χ^2/NDF: 24.0/21

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -36.968+/-232.525 χ^2/NDF:21.0/25

Out: -206.053+/-220.949 χ^2/NDF:36.8/30

All: -125.824+/-160.171 χ^2/NDF: 58.0/56



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 918.337+/-0.219 χ^2/NDF:1166295.2/11

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

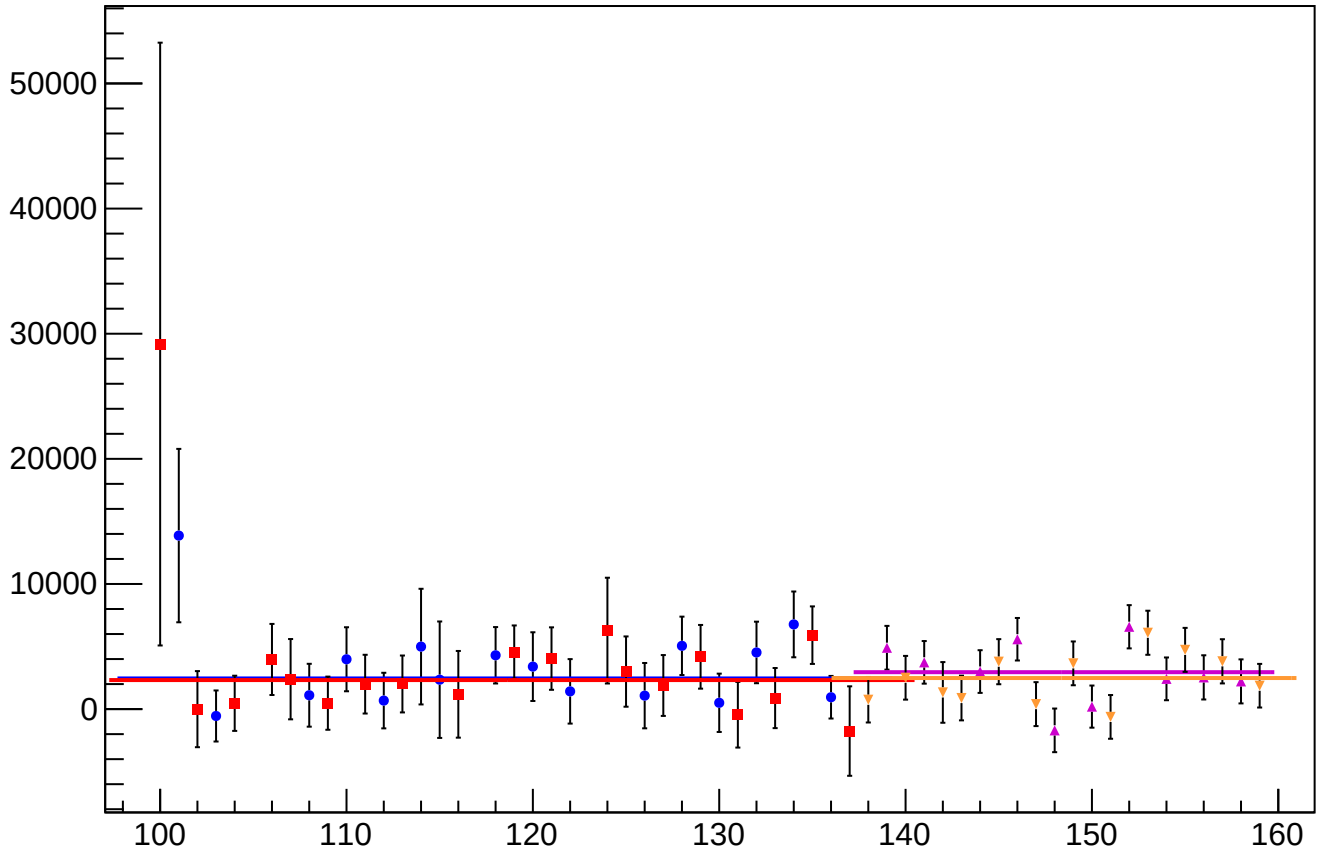
Left: 910.903+/-0.156 χ^2/NDF: 2131884.7/21

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 897.819+/-0.164 χ^2/NDF:1758122.6/25

Out: 867.152+/-0.156 χ^2/NDF:2331149.1/30

All: 881.703+/-0.113 χ^2/NDF: 4107552.9/56



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2482.736+/-520.140 χ^2/NDF:14.0/11

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2950.887+/-545.110 χ^2/NDF:18.4/9

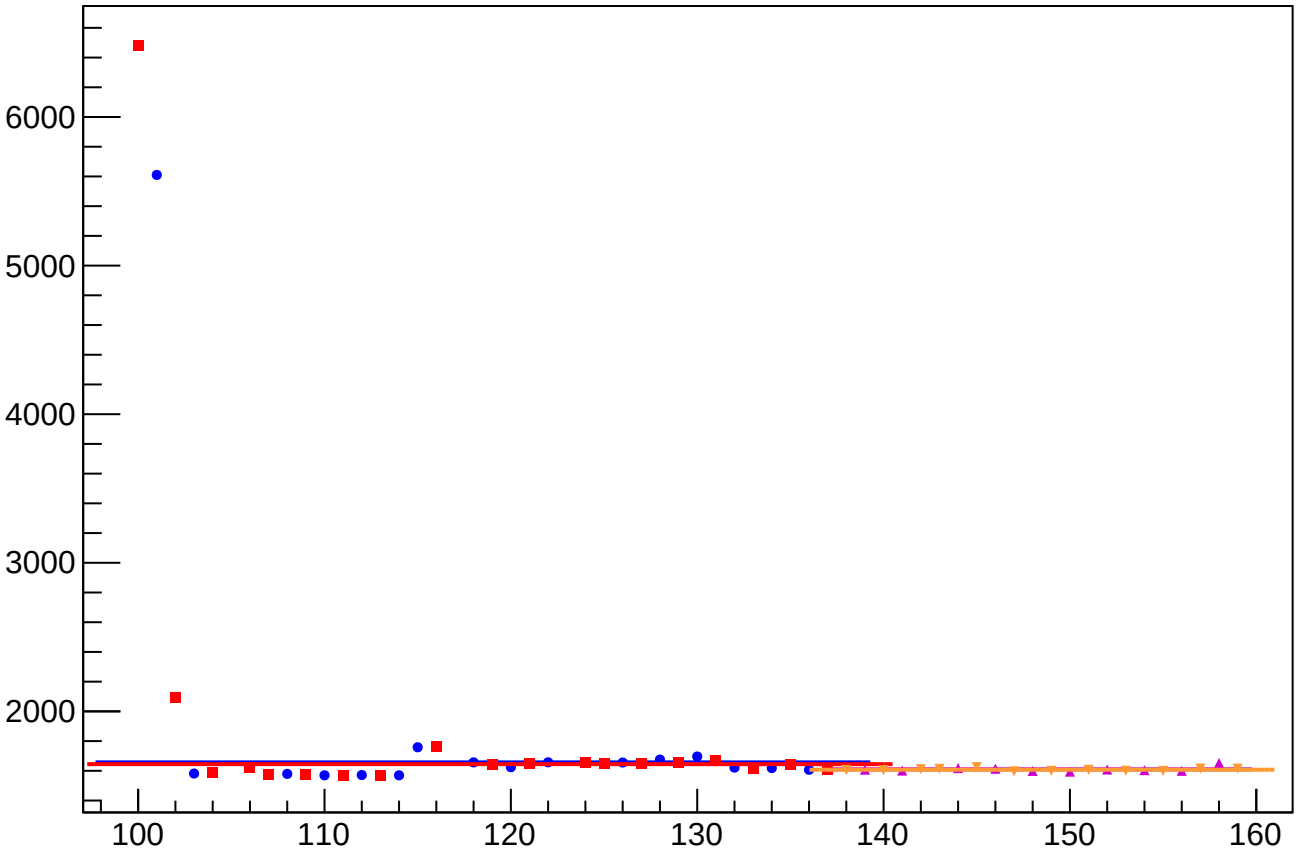
Left: 2705.844+/-376.312 χ^2/NDF: 32.8/21

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2736.273+/-412.288 χ^2/NDF:32.6/25

Out: 2414.424+/-395.696 χ^2/NDF:26.1/30

All: 2568.742+/-285.485 χ^2/NDF: 59.0/56



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.343+/-0.368 χ^2/NDF:464.3/11

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

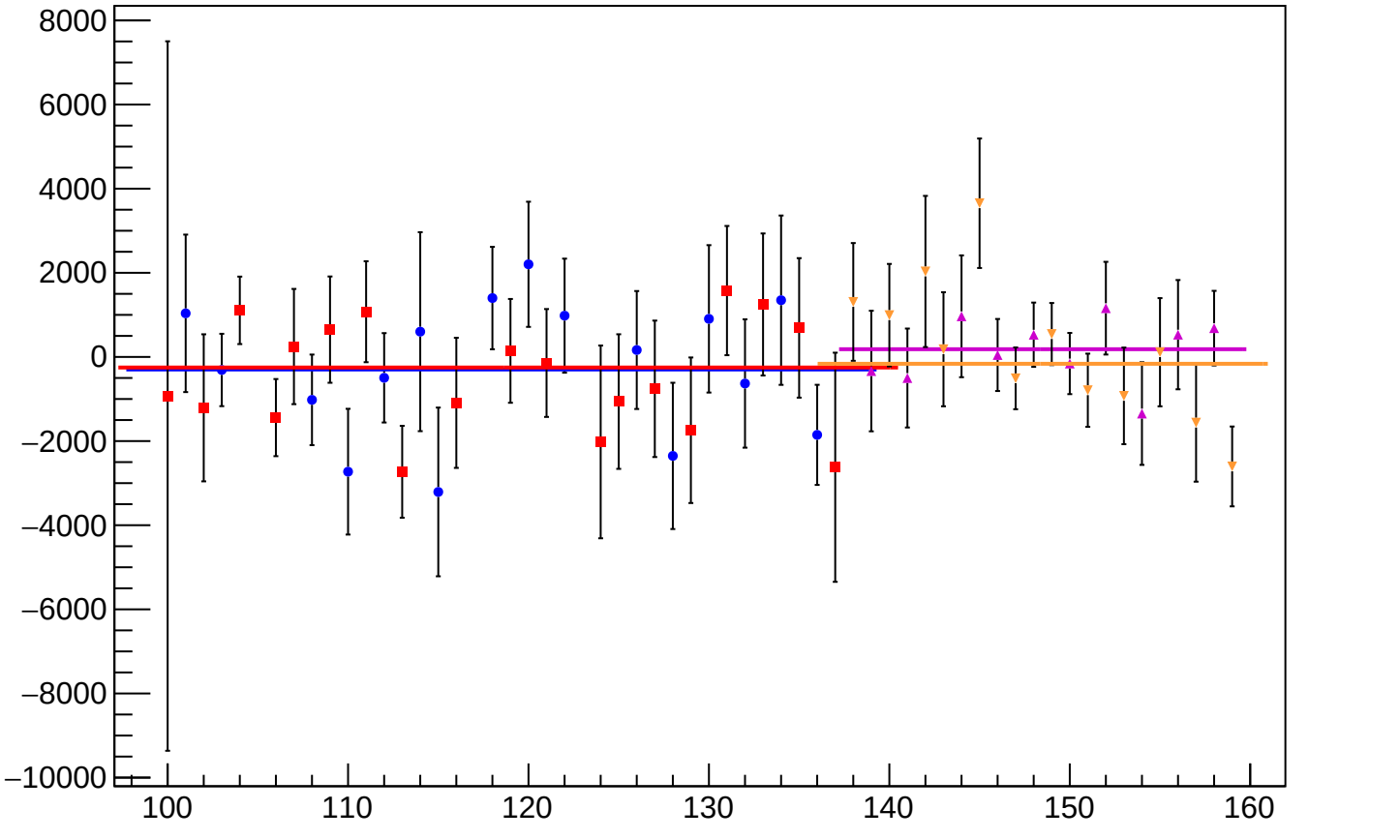
Left: 1608.652+/-0.266 χ^2/NDF: 2116.4/21

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.029+/-0.292 χ^2/NDF:674104.6/25

Out: 1623.094+/-0.280 χ^2/NDF:141301.0/30

All: 1626.419+/-0.202 χ^2/NDF: 815700.1/56



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -162.706+/-309.289 χ^2/NDF:19.5/11

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 183.901+/-315.995 χ^2/NDF:4.0/9

Left: 6.880+/-221.033 χ^2/NDF: 24.0/21

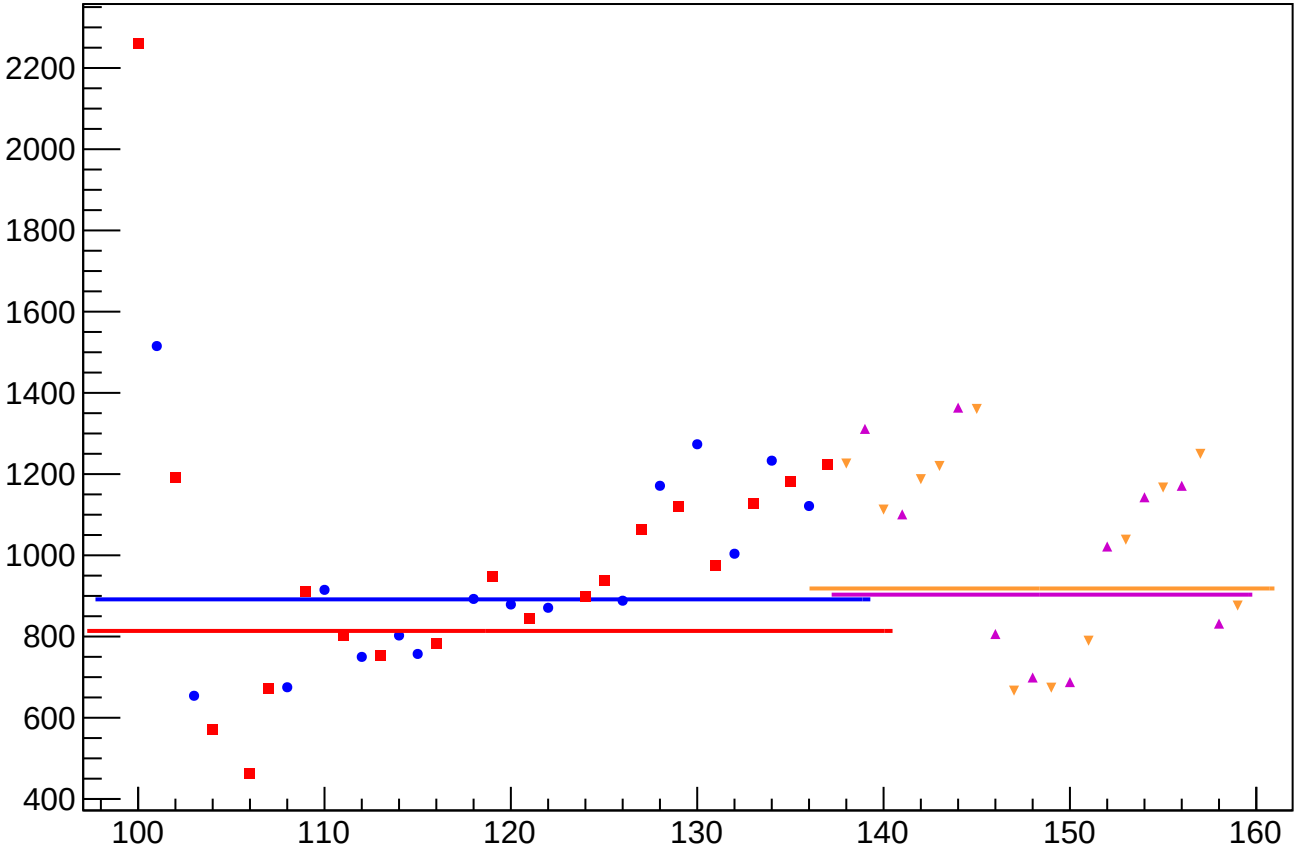
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -36.968+/-232.525 χ^2/NDF:21.0/25

Out: -206.053+/-220.949 χ^2/NDF:36.8/30

All: -125.824+/-160.171 χ^2/NDF: 58.0/56

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 918.337+/-0.219 χ^2/NDF:1166295.2/11

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

Left: 910.903+/-0.156 χ^2/NDF: 2131884.7/21

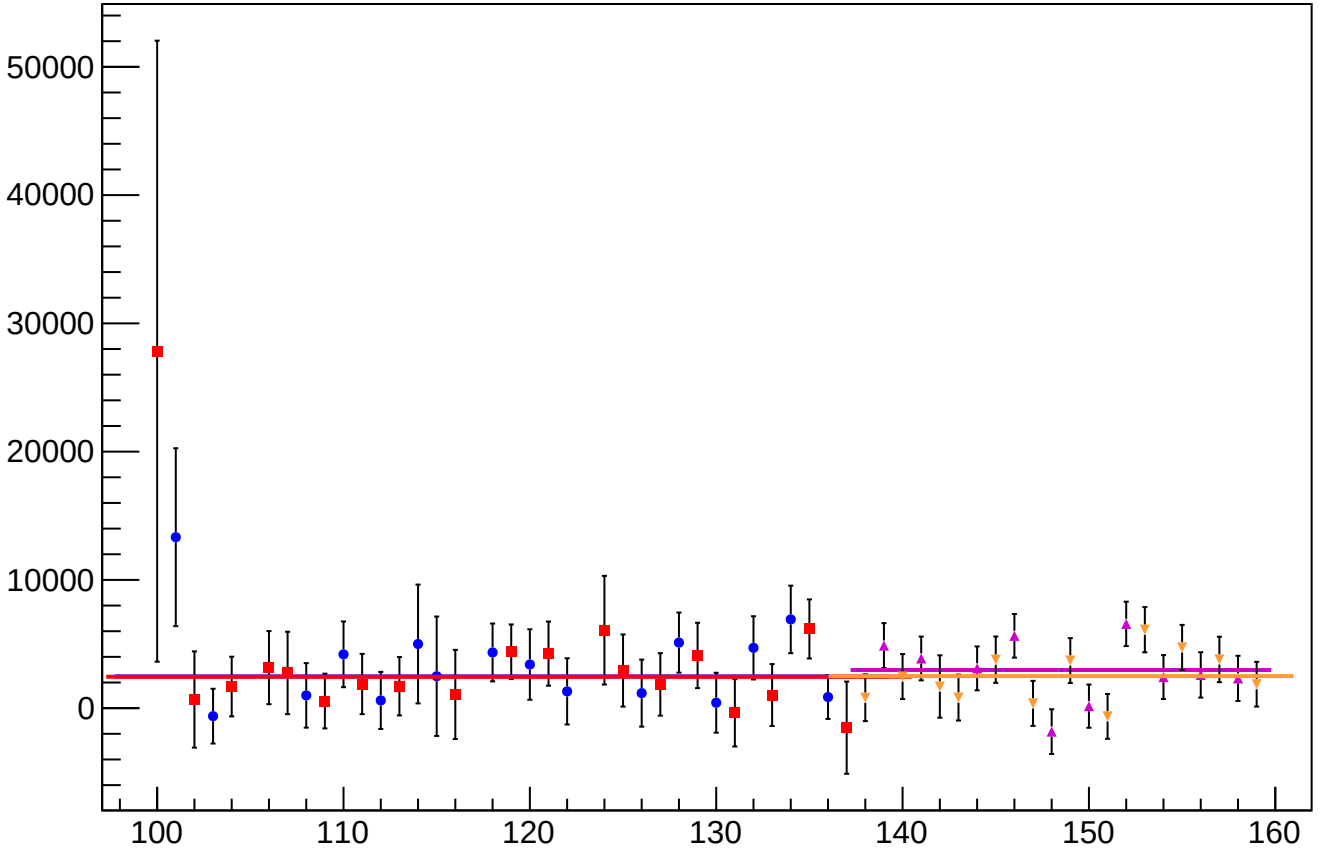
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 897.819+/-0.164 χ^2/NDF:1758122.6/25

Out: 867.152+/-0.156 χ^2/NDF:2331149.1/30

All: 881.703+/-0.113 χ^2/NDF: 4107552.9/56

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2496.309+/-520.997 χ^2/NDF:14.0/11

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2975.442+/-545.824 χ^2/NDF:18.9/9

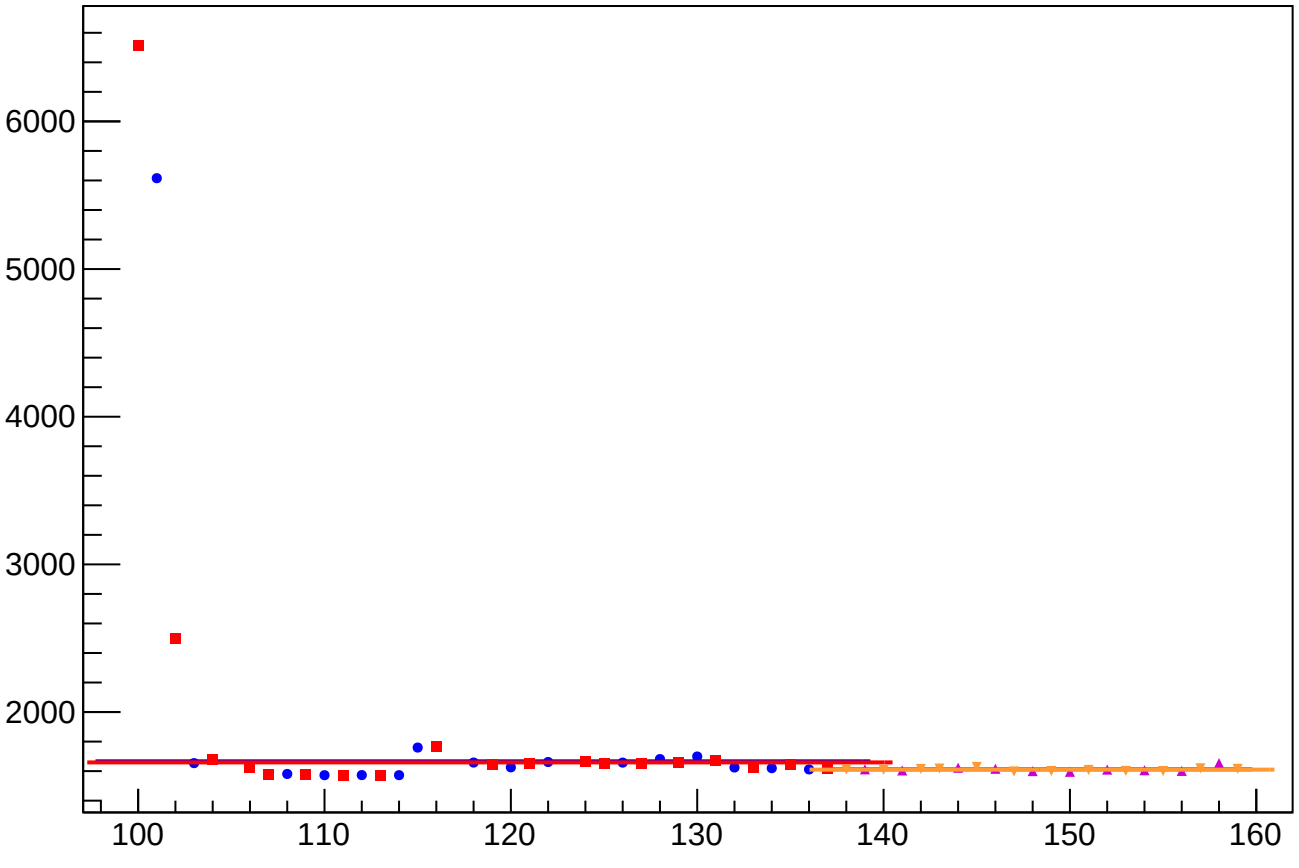
Left: 2724.731+/-376.872 χ^2/NDF: 33.3/21

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2762.460+/-413.610 χ^2/NDF:33.5/25

Out: 2476.659+/-398.208 χ^2/NDF:24.6/30

All: 2614.140+/-286.866 χ^2/NDF: 58.3/56



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.984+/-0.368 χ^2/NDF:569.7/11

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

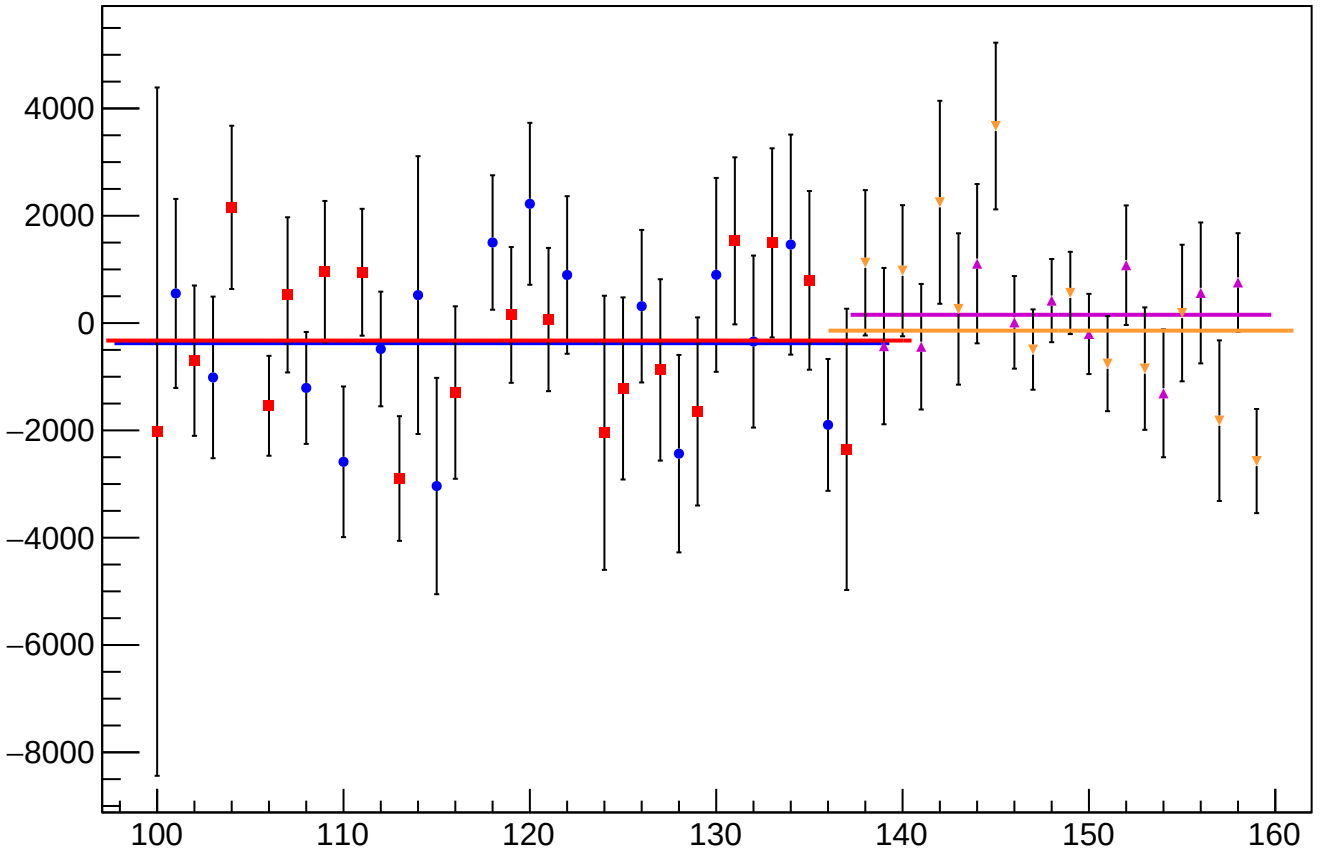
Left: 1611.031+/-0.266 χ^2/NDF: 2254.2/21

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1635.266+/-0.292 χ^2/NDF:672985.0/25

Out: 1630.367+/-0.282 χ^2/NDF:201155.9/30

All: 1632.724+/-0.203 χ^2/NDF: 874286.4/56



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -141.083+/-315.188 χ^2/NDF:18.9/11

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 154.358+/-320.597 χ^2/NDF:3.9/9

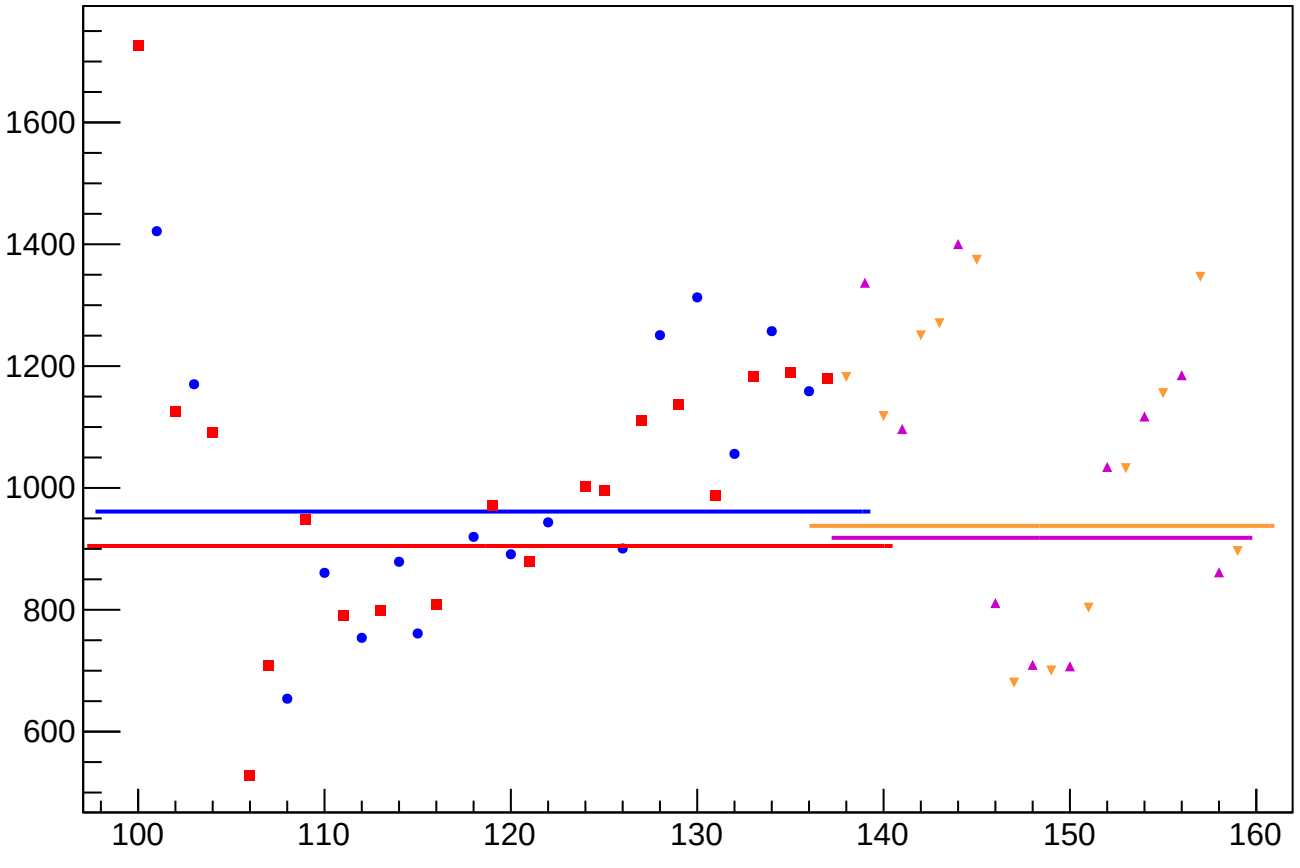
Left: 4.124+/-224.760 χ^2/NDF: 23.3/21

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -73.915+/-241.714 χ^2/NDF:20.8/25

Out: -226.230+/-231.341 χ^2/NDF:36.5/30

All: -153.411+/-167.130 χ^2/NDF: 57.5/56



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 937.791+/-0.223 χ^2/NDF:1132498.3/11

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 918.142+/-0.227 χ^2/NDF:925703.1/9

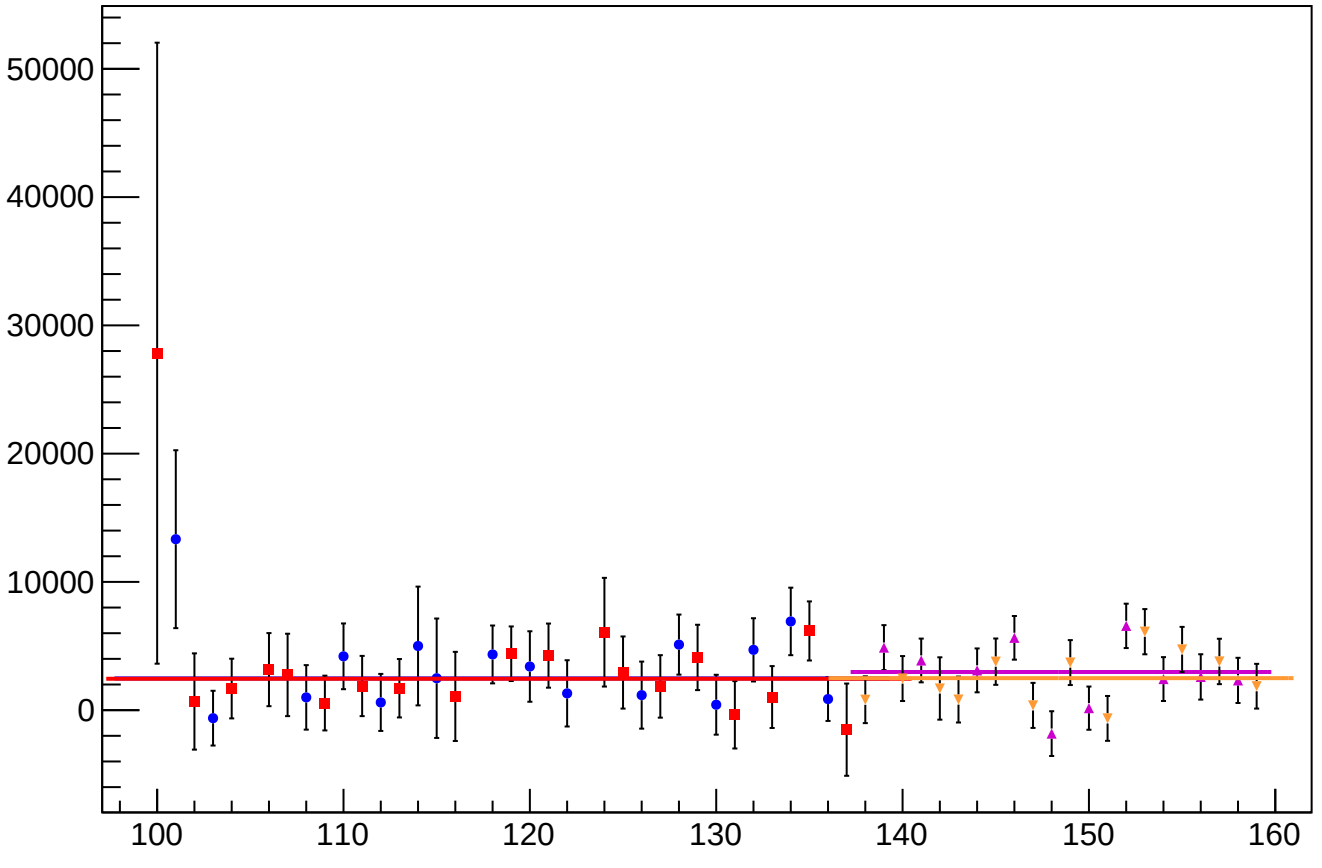
Left: 928.134+/-0.159 χ^2/NDF: 2062021.7/21

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 936.742+/-0.171 χ^2/NDF:1633178.4/25

Out: 922.544+/-0.164 χ^2/NDF:1879129.7/30

All: 929.332+/-0.118 χ^2/NDF: 3515909.9/56



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2496.309+/-520.997 χ^2/NDF:14.0/11

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2975.442+/-545.824 χ^2/NDF:18.9/9

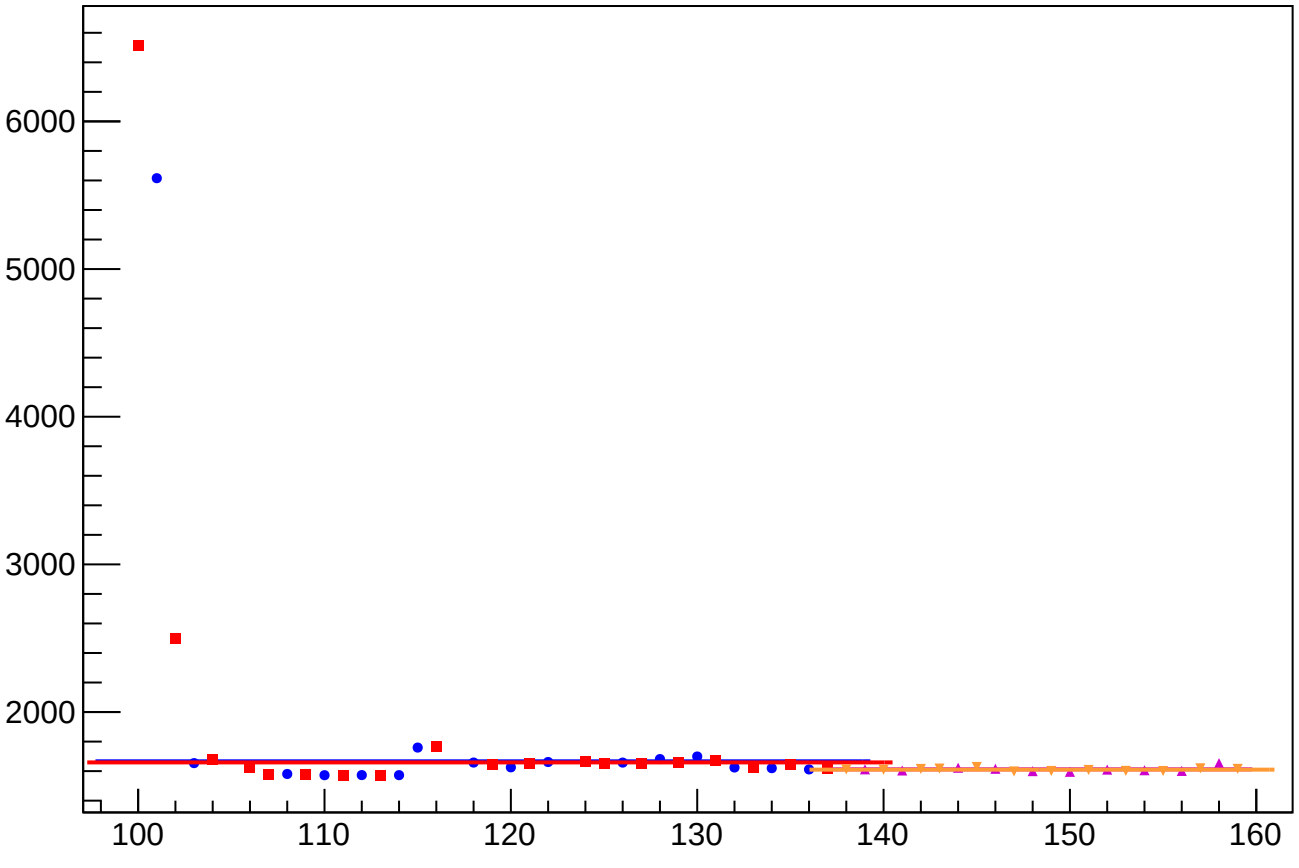
Left: 2724.731+/-376.872 χ^2/NDF: 33.3/21

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2762.460+/-413.610 χ^2/NDF:33.5/25

Out: 2476.659+/-398.208 χ^2/NDF:24.6/30

All: 2614.139+/-286.866 χ^2/NDF: 58.3/56



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.984+/-0.368 χ^2/NDF:569.7/11

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

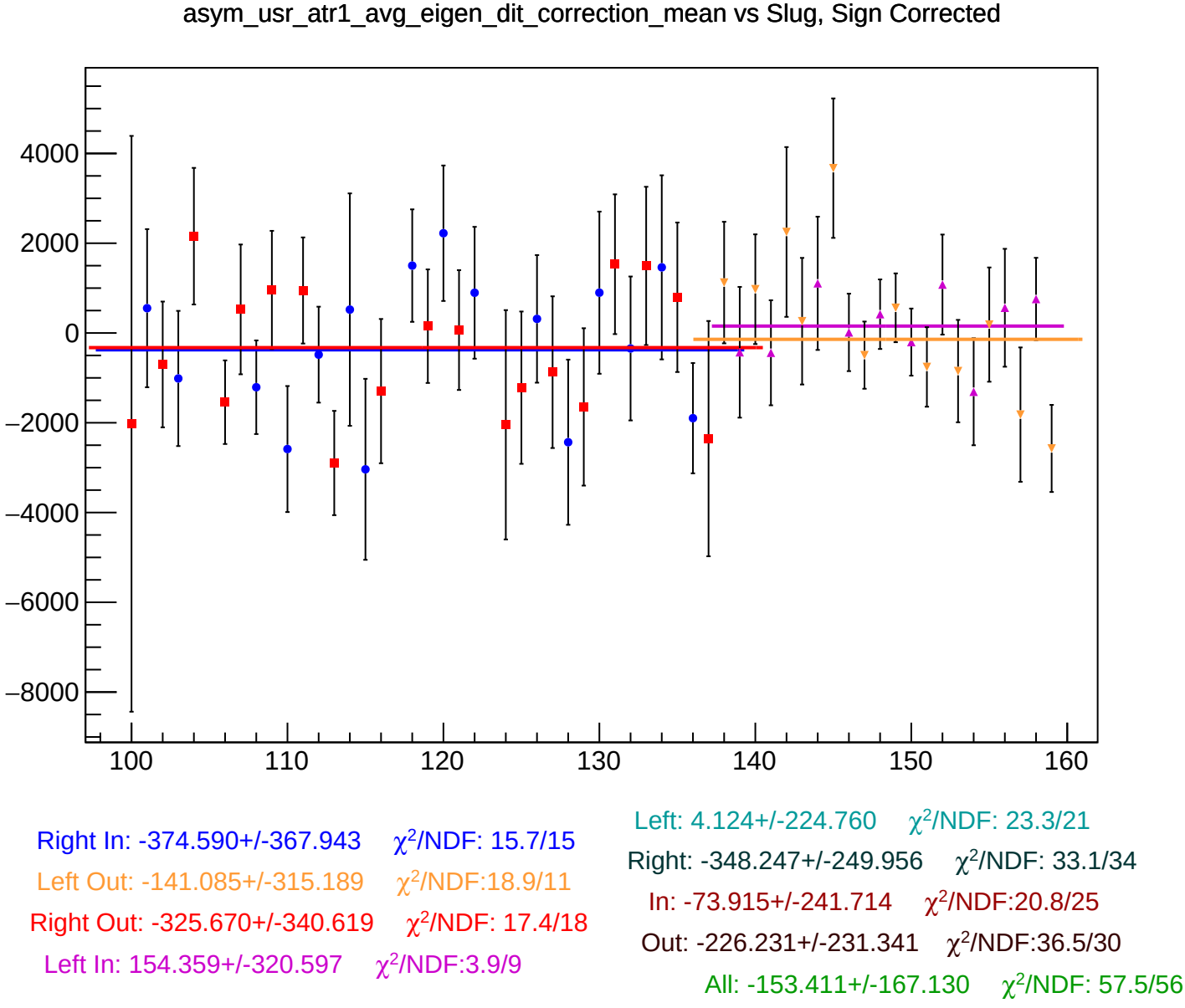
Left: 1611.031+/-0.266 χ^2/NDF: 2254.2/21

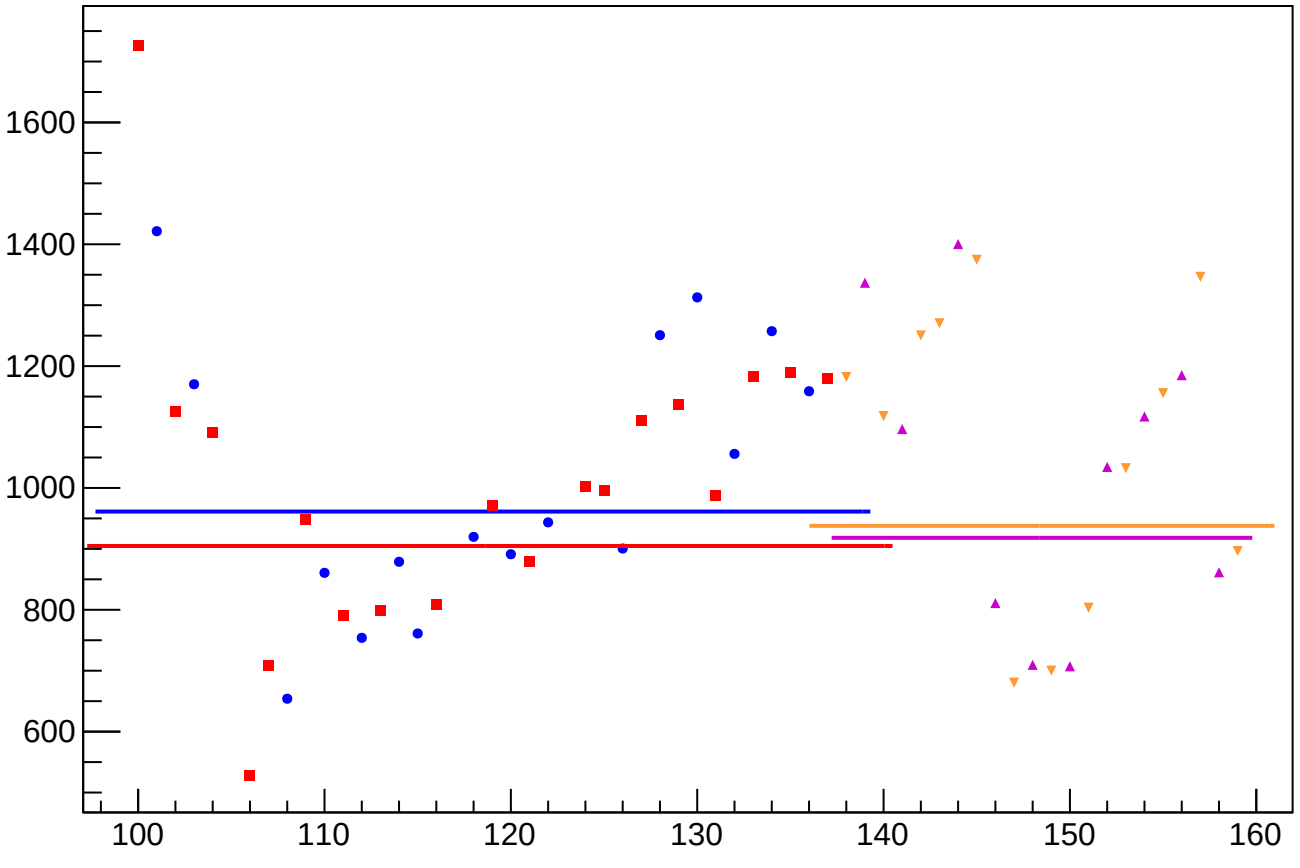
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1635.266+/-0.292 χ^2/NDF:672985.0/25

Out: 1630.367+/-0.282 χ^2/NDF:201155.6/30

All: 1632.724+/-0.203 χ^2/NDF: 874286.2/56


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -141.085+/-315.189 χ²/NDF:18.9/11
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 154.359+/-320.597 χ²/NDF:3.9/9
Left: 4.124+/-224.760 χ²/NDF: 23.3/21
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -73.915+/-241.714 χ²/NDF:20.8/25
Out: -226.231+/-231.341 χ²/NDF:36.5/30
All: -153.411+/-167.130 χ²/NDF: 57.5/56



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 937.793+/-0.223 χ^2/NDF:1132500.7/11

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 918.143+/-0.227 χ^2/NDF:925705.6/9

Left: 928.135+/-0.159 χ^2/NDF: 2062026.7/21

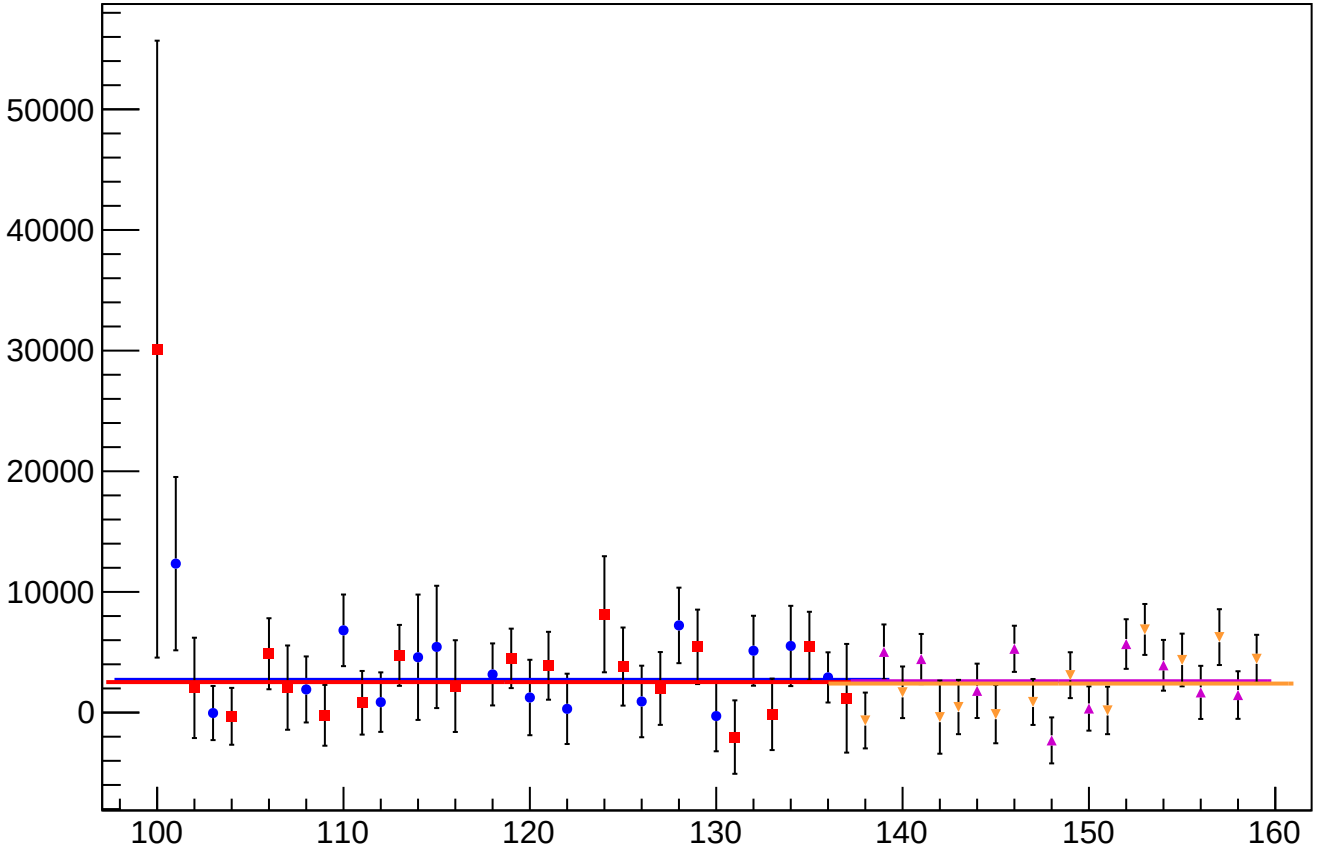
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 936.742+/-0.171 χ^2/NDF:1633185.0/25

Out: 922.543+/-0.164 χ^2/NDF:1879132.2/30

All: 929.331+/-0.118 χ^2/NDF: 3515918.8/56

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2403.521+/-624.067 χ^2/NDF:15.8/11

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2595.983+/-646.390 χ^2/NDF:15.3/9

Left: 2496.371+/-448.966 χ^2/NDF: 31.1/21

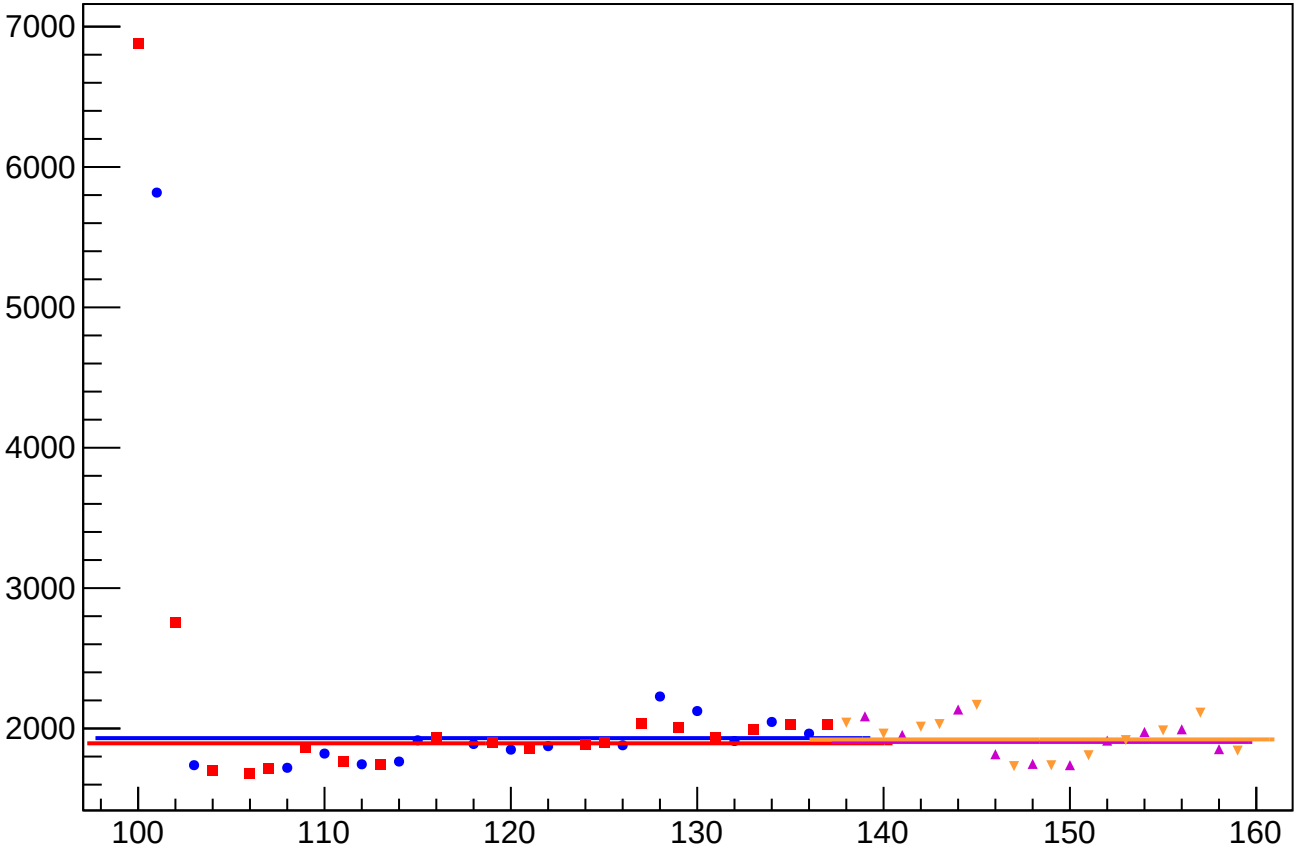
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2646.309+/-485.413 χ^2/NDF:27.5/25

Out: 2457.003+/-467.709 χ^2/NDF:29.0/30

All: 2548.141+/-336.805 χ^2/NDF: 56.6/56

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1922.047+/-0.441 χ^2/NDF:97287.9/11

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1904.247+/-0.457 χ^2/NDF:76014.9/9

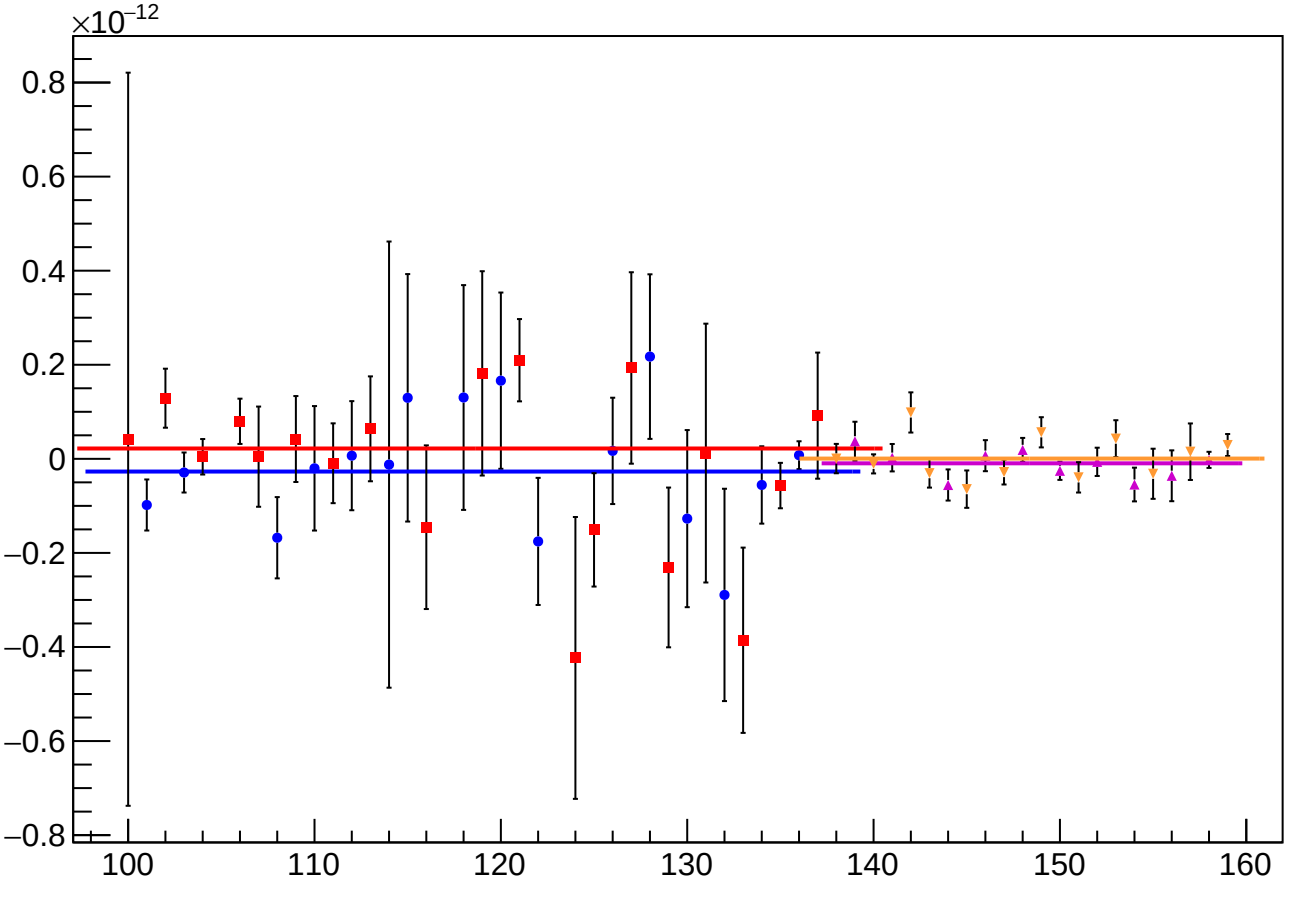
Left: 1913.459+/-0.317 χ^2/NDF: 174087.7/21

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1916.022+/-0.343 χ^2/NDF:738764.0/25

Out: 1909.906+/-0.331 χ^2/NDF:319555.9/30

All: 1912.850+/-0.238 χ^2/NDF: 1058484.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/9

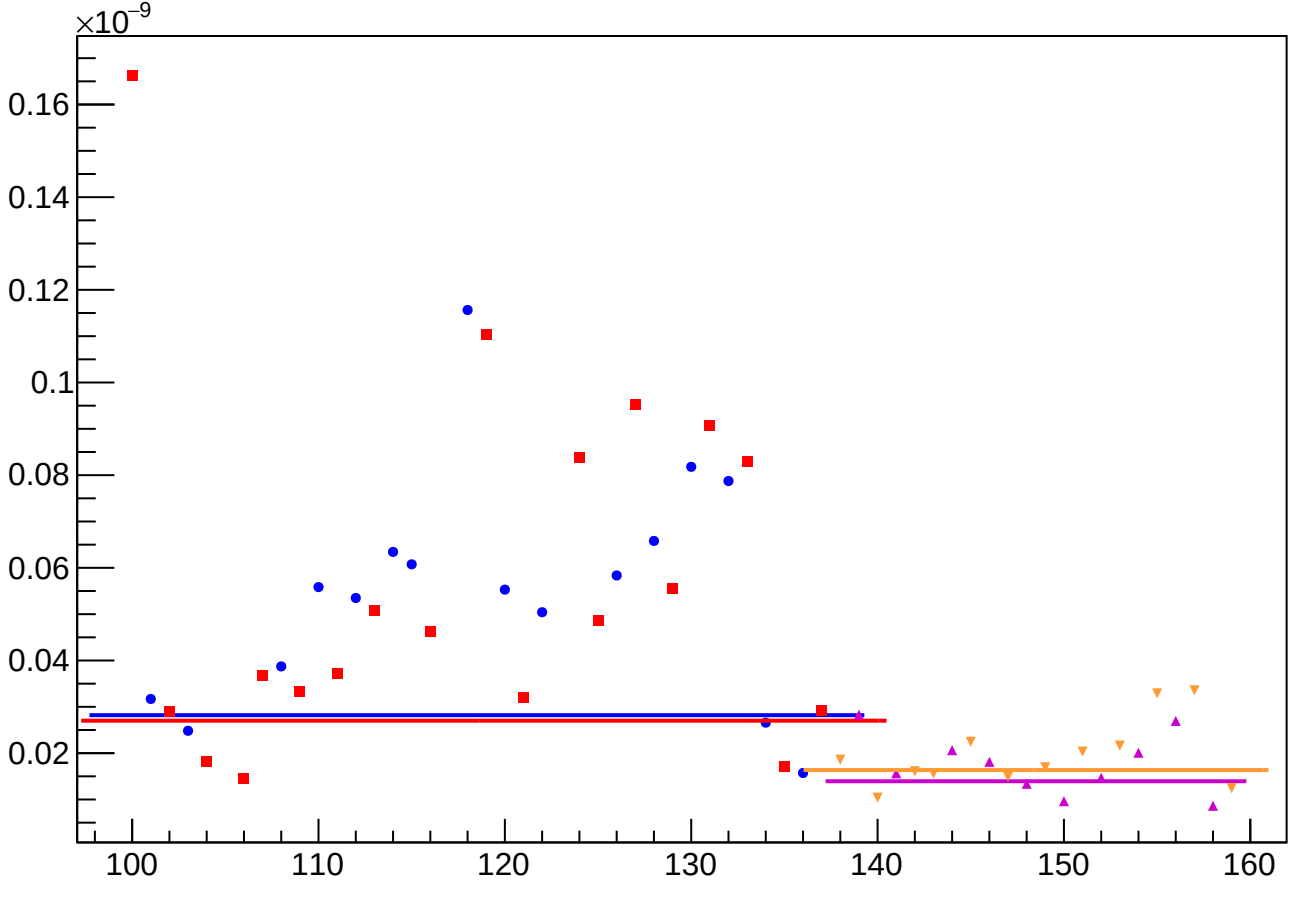
Left: -0.000+/-0.000 χ^2/NDF: 26.3/21

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:21.0/25

Out: 0.000+/-0.000 χ^2/NDF:44.5/30

All: -0.000+/-0.000 χ^2/NDF: 67.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:716839.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:827918.5/9

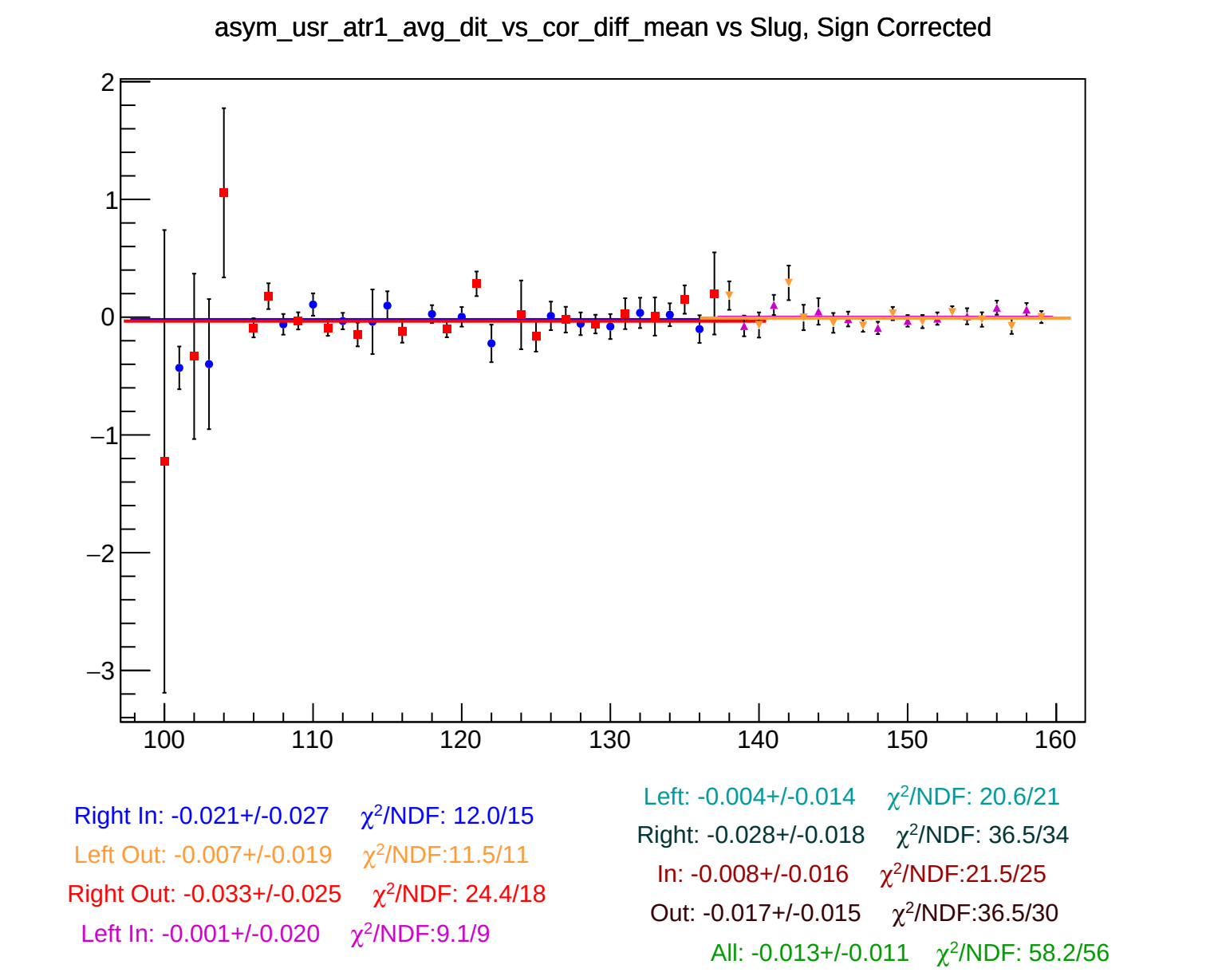
Left: 0.000+/-0.000 χ^2/NDF: 1618940.3/21

Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3238793.7/25

Out: 0.000+/-0.000 χ^2/NDF:2769712.8/30

All: 0.000+/-0.000 χ^2/NDF: 6065784.5/56


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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−1
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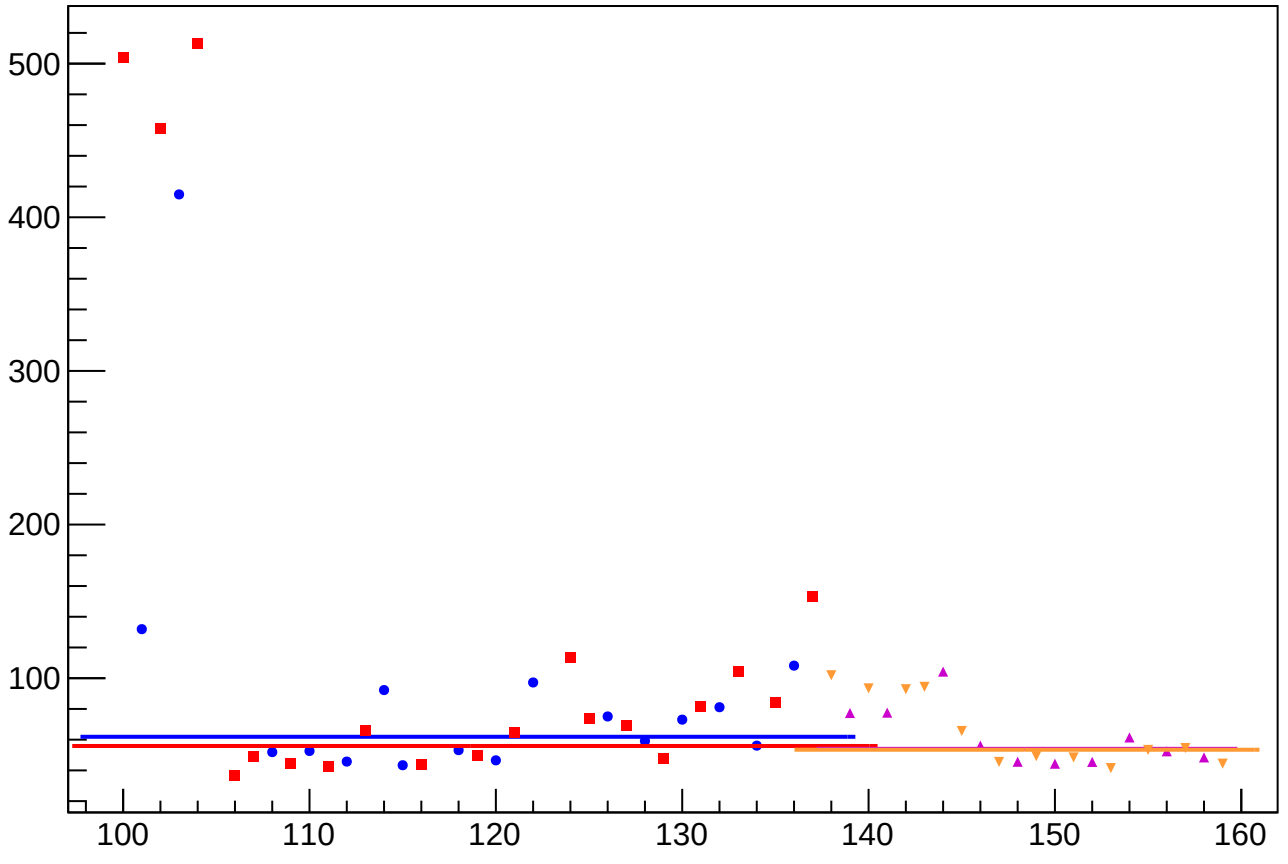
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.007+/-0.019 χ²/NDF:11.5/11
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.001+/-0.020 χ²/NDF:9.1/9
Left: -0.004+/-0.014 χ²/NDF: 20.6/21
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.008+/-0.016 χ²/NDF:21.5/25
Out: -0.017+/-0.015 χ²/NDF:36.5/30
All: -0.013+/-0.011 χ²/NDF: 58.2/56



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.448+/-0.014 χ^2/NDF:1323320.4/11

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

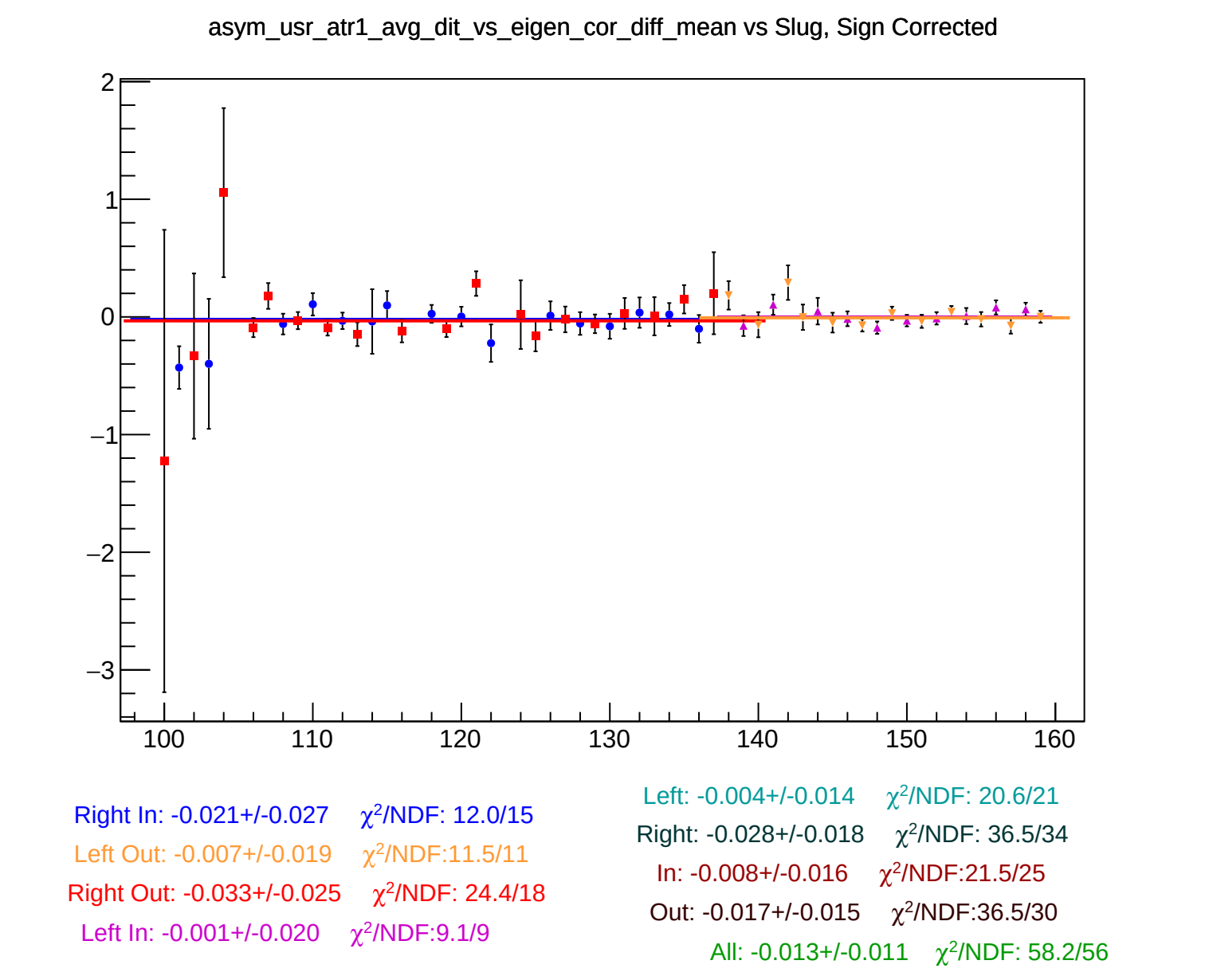
Left: 53.730+/-0.010 χ^2/NDF: 2240628.5/21

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.841+/-0.011 χ^2/NDF:2966413.8/25

Out: 54.376+/-0.011 χ^2/NDF:3926796.0/30

All: 55.550+/-0.008 χ^2/NDF: 6918397.5/56


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
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−3
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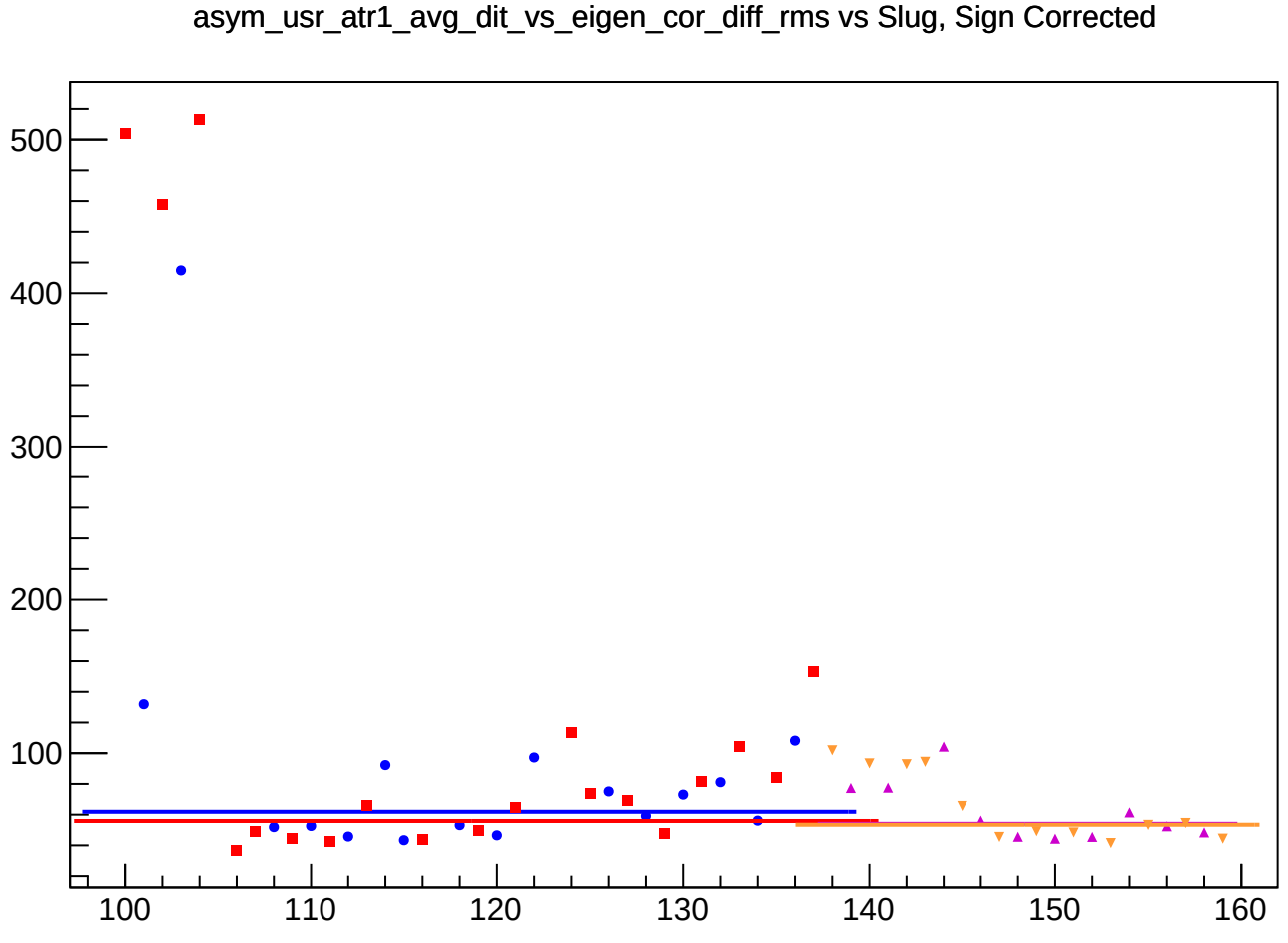
120
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.007+/-0.019 χ²/NDF:11.5/11
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.001+/-0.020 χ²/NDF:9.1/9
Left: -0.004+/-0.014 χ²/NDF: 20.6/21
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.008+/-0.016 χ²/NDF:21.5/25
Out: -0.017+/-0.015 χ²/NDF:36.5/30
All: -0.013+/-0.011 χ²/NDF: 58.2/56



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.448+/-0.014 χ^2/NDF:1323320.4/11

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

Left: 53.730+/-0.010 χ^2/NDF: 2240628.5/21

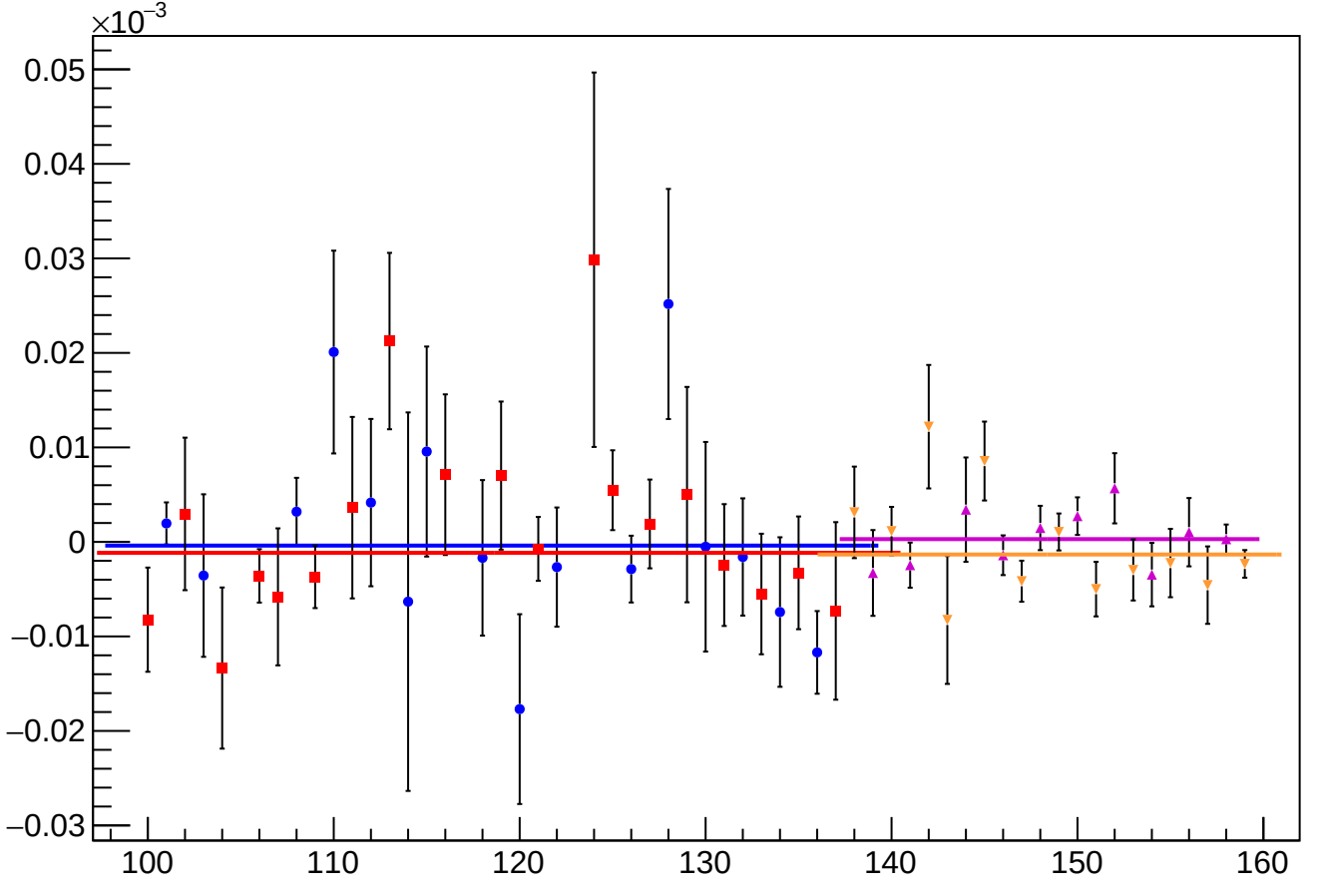
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.841+/-0.011 χ^2/NDF:2966413.8/25

Out: 54.376+/-0.011 χ^2/NDF:3926796.0/30

All: 55.550+/-0.008 χ^2/NDF: 6918397.5/56

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/9

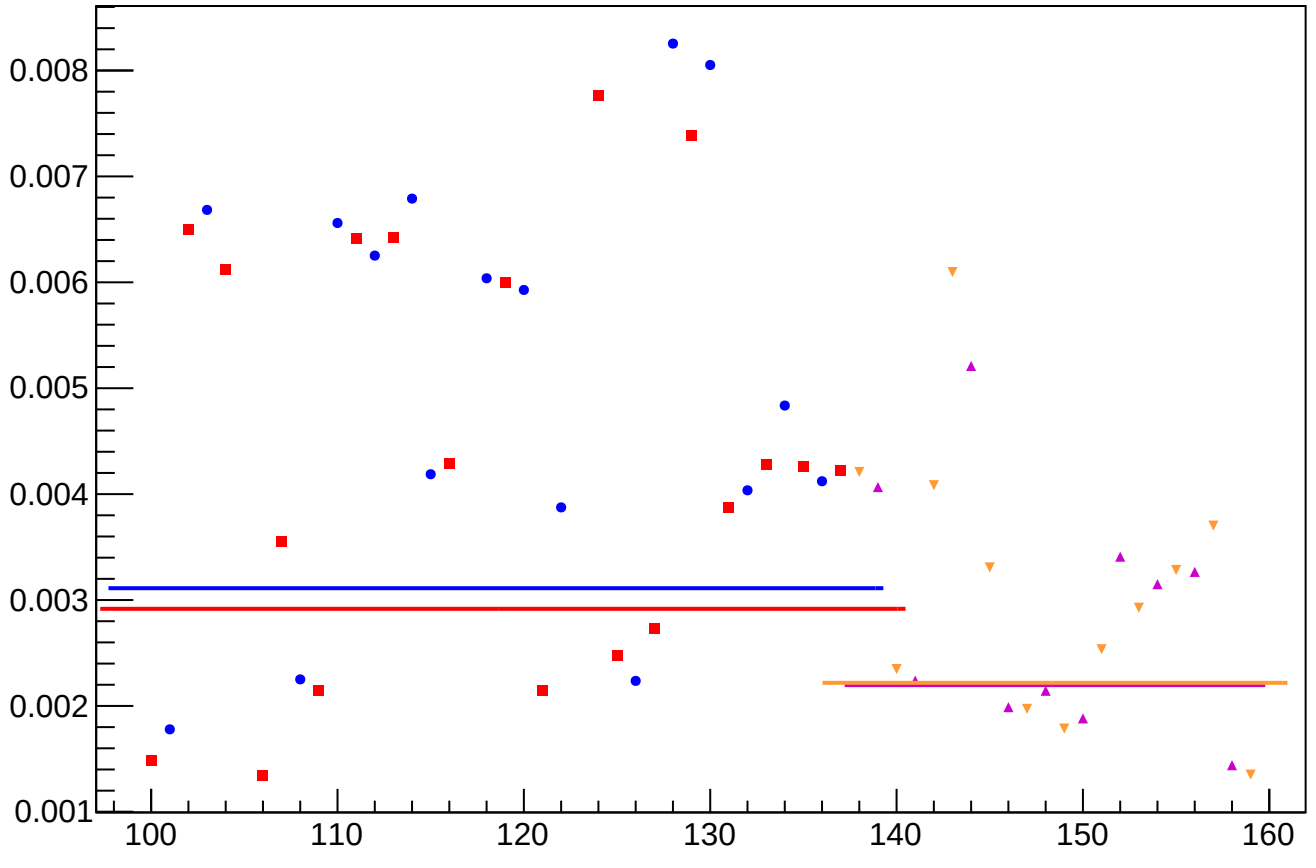
Left: -0.000+/-0.000 χ^2/NDF: 29.1/21

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:30.8/25

Out: -0.000+/-0.000 χ^2/NDF:39.4/30

All: -0.000+/-0.000 χ^2/NDF: 72.3/56



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:2682777.4/11

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2031833.1/9

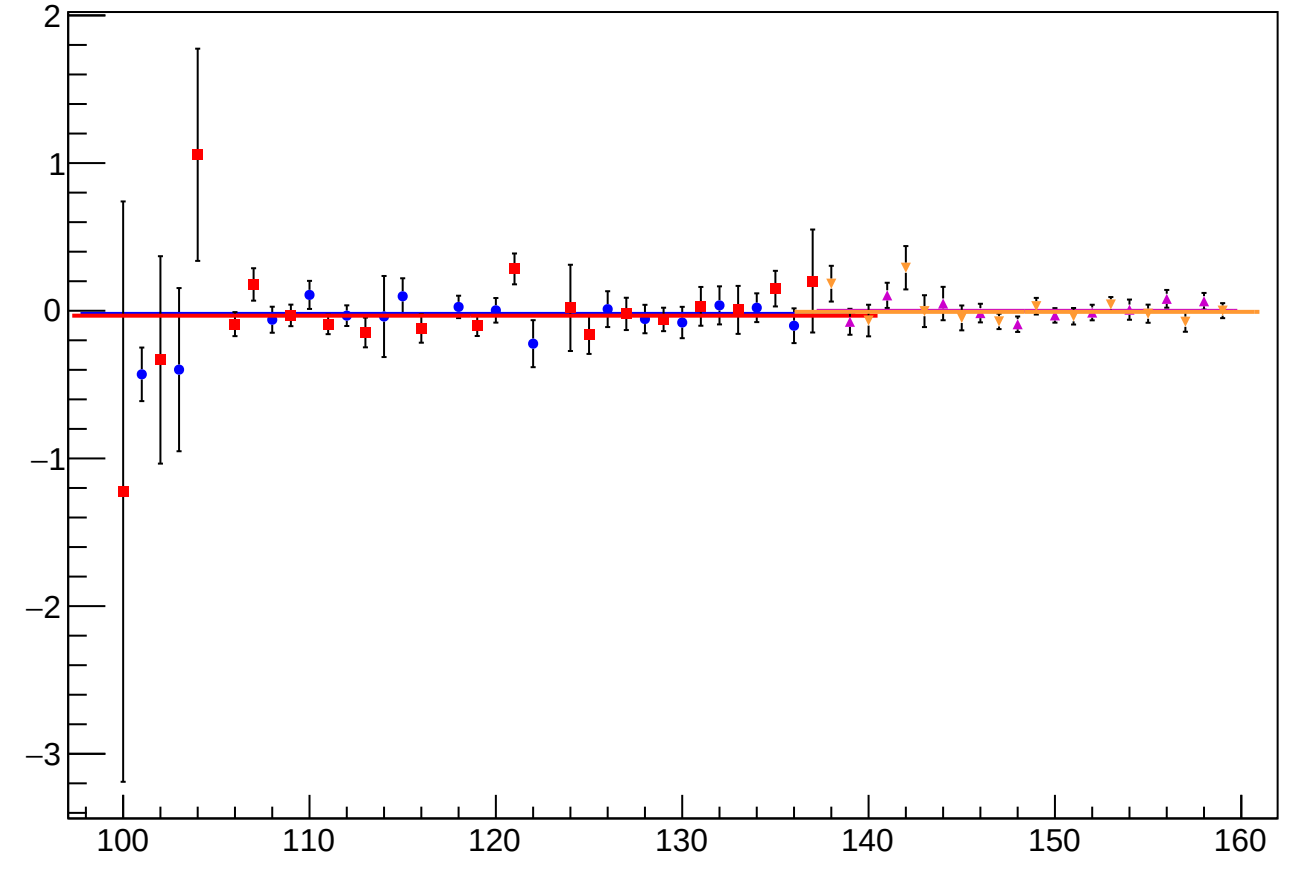
Left: 0.002+/-0.000 χ^2/NDF: 4715348.8/21

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:6010808.3/25

Out: 0.002+/-0.000 χ^2/NDF:6422588.5/30

All: 0.002+/-0.000 χ^2/NDF: 12434283.9/56



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.007+/-0.019 χ^2/NDF:11.5/11

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.001+/-0.020 χ^2/NDF:9.1/9

Left: -0.004+/-0.014 χ^2/NDF: 20.6/21

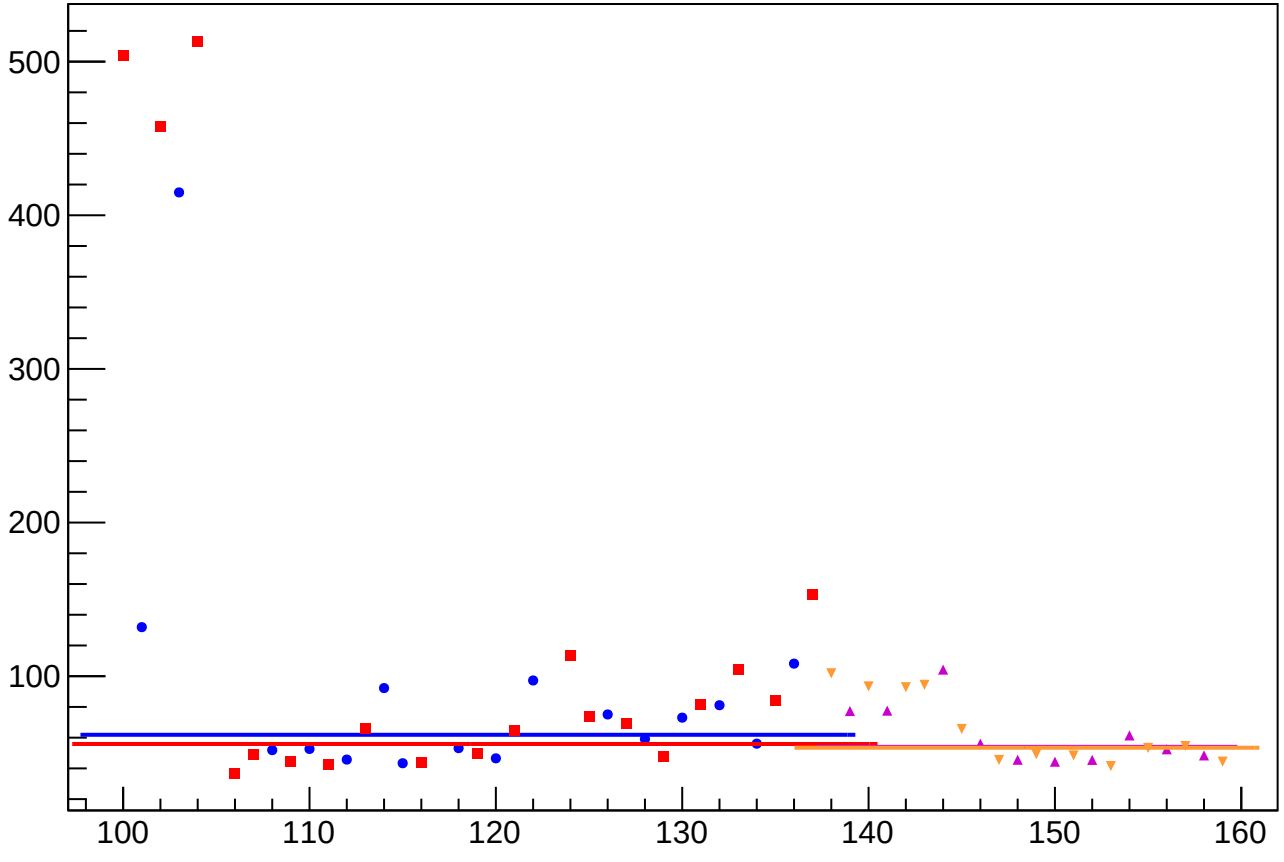
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.008+/-0.016 χ^2/NDF:21.5/25

Out: -0.017+/-0.015 χ^2/NDF:36.5/30

All: -0.013+/-0.011 χ^2/NDF: 58.2/56

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: 53.448+/-0.014 χ^2/NDF:1323361.7/11

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.030+/-0.014 χ^2/NDF:916406.0/9

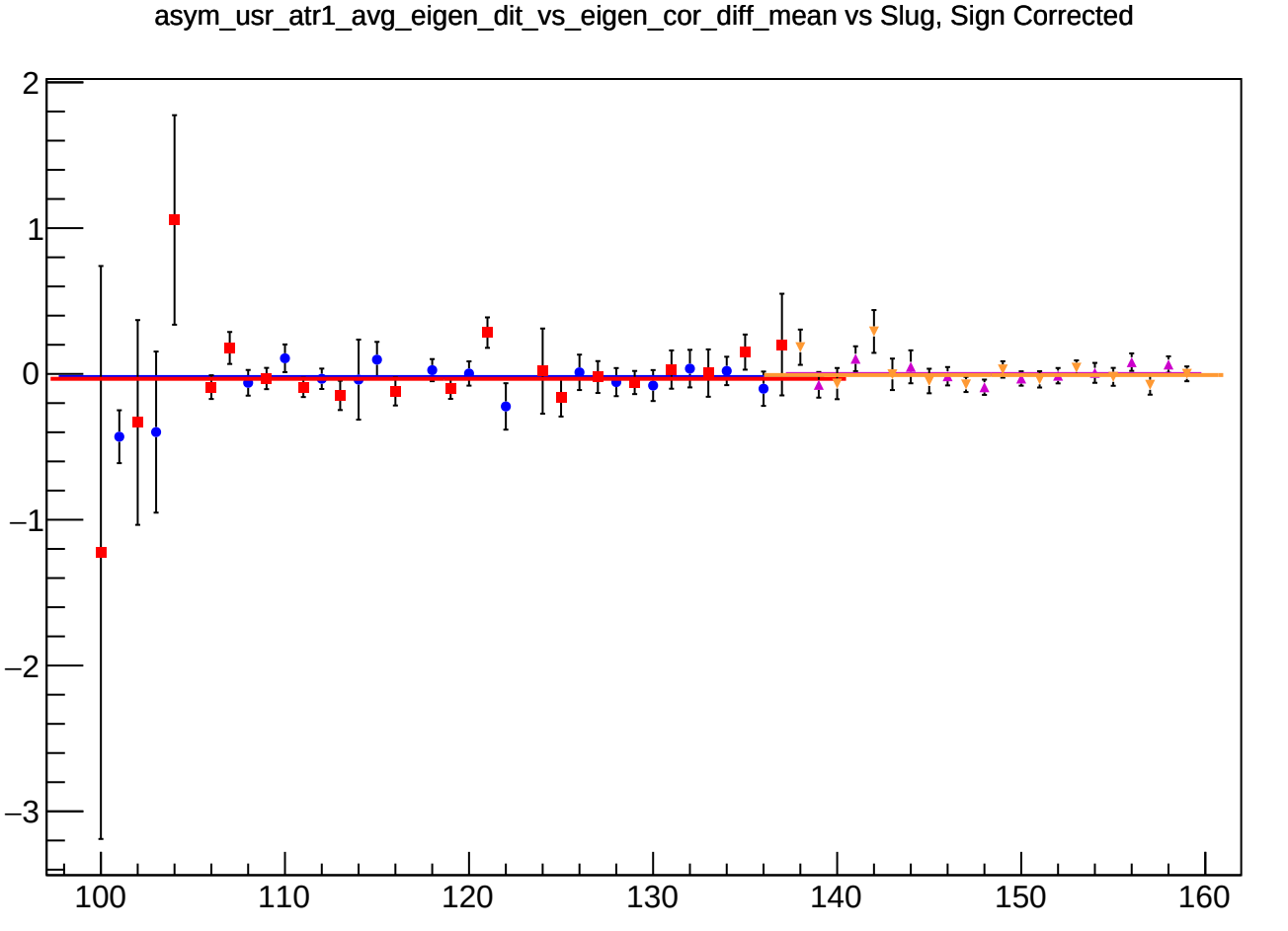
Left: 53.730+/-0.010 χ^2/NDF: 2240655.4/21

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.841+/-0.011 χ^2/NDF:2966325.4/25

Out: 54.375+/-0.011 χ^2/NDF:3926790.4/30

All: 55.550+/-0.008 χ^2/NDF: 6918312.0/56



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.007+/-0.019 χ^2/NDF:11.5/11

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.001+/-0.020 χ^2/NDF:9.1/9

Left: -0.004+/-0.014 χ^2/NDF: 20.6/21

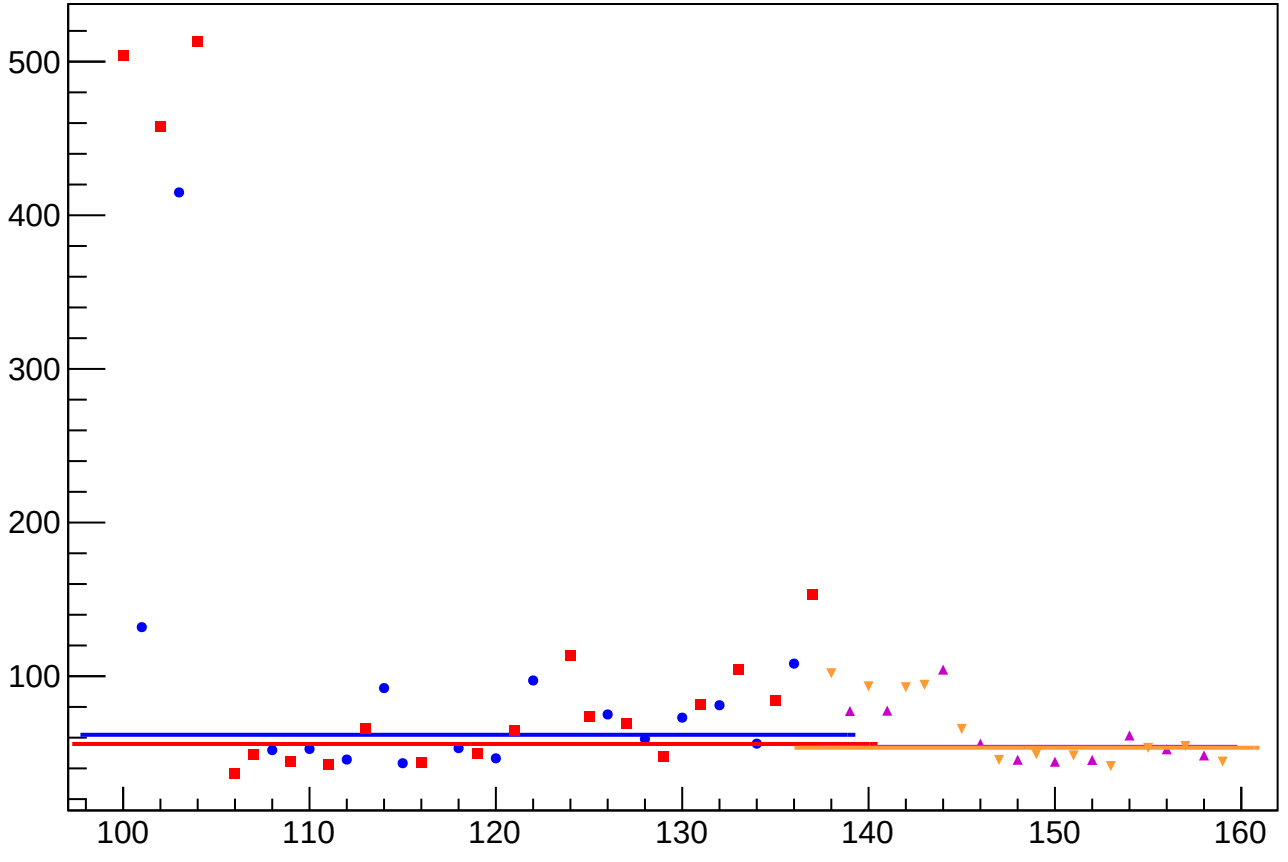
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.008+/-0.016 χ^2/NDF:21.5/25

Out: -0.017+/-0.015 χ^2/NDF:36.5/30

All: -0.013+/-0.011 χ^2/NDF: 58.2/56

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: 53.448+/-0.014 χ^2/NDF:1323361.7/11

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.030+/-0.014 χ^2/NDF:916406.0/9

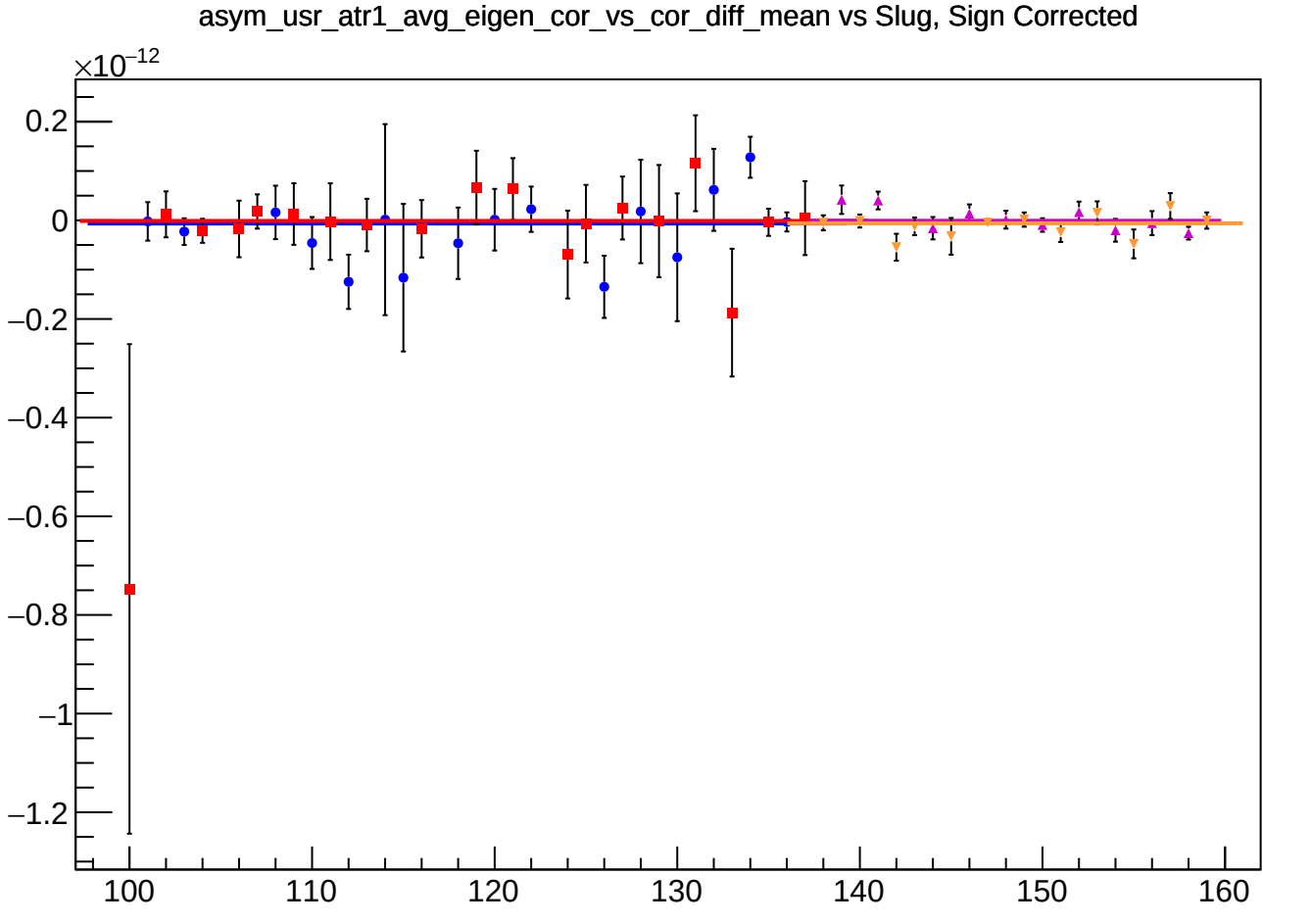
Left: 53.730+/-0.010 χ^2/NDF: 2240655.4/21

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.841+/-0.011 χ^2/NDF:2966325.4/25

Out: 54.375+/-0.011 χ^2/NDF:3926790.4/30

All: 55.550+/-0.008 χ^2/NDF: 6918312.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/9

Left: -0.000+/-0.000 χ^2/NDF: 24.2/21

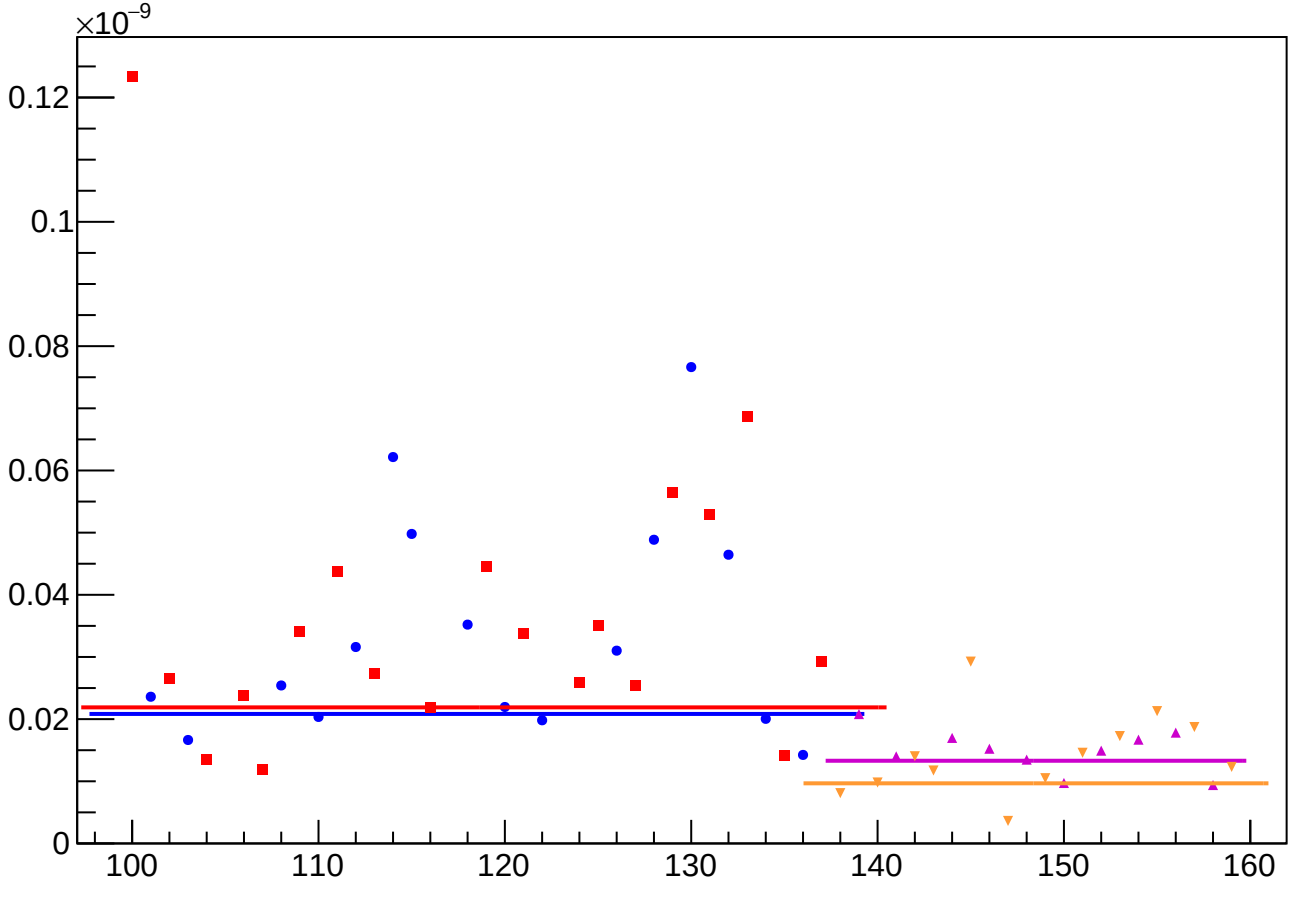
Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:36.7/25

Out: -0.000+/-0.000 χ^2/NDF:19.6/30

All: -0.000+/-0.000 χ^2/NDF: 56.6/56

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:2647066.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:651189.0/9

Left: 0.000+/-0.000 χ^2/NDF: 3763993.2/21

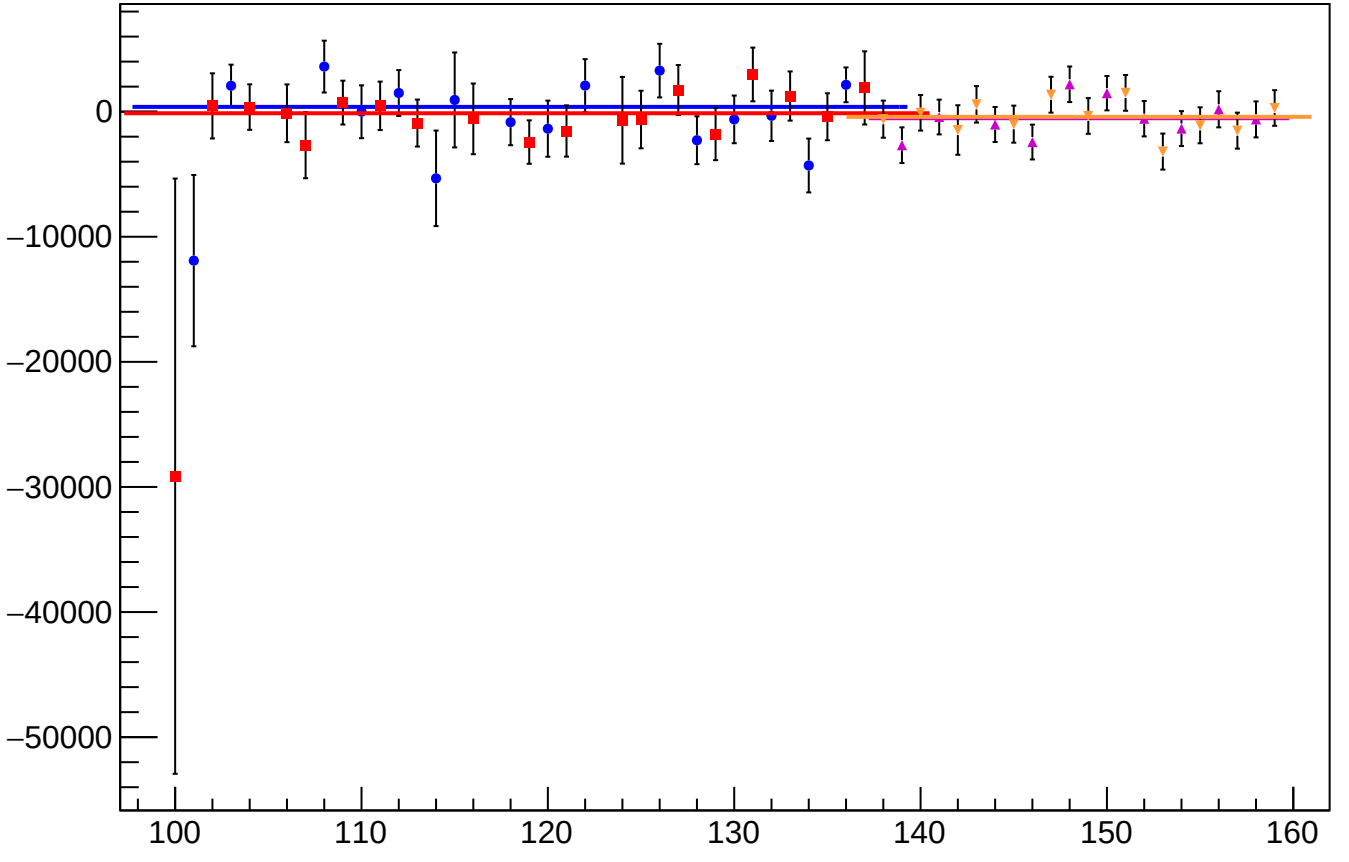
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2737040.1/25

Out: 0.000+/-0.000 χ^2/NDF:6376072.9/30

All: 0.000+/-0.000 χ^2/NDF: 9664494.3/56

reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -416.074+/-424.943 χ^2/NDF:9.1/11

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -525.082+/-445.494 χ^2/NDF:10.7/9

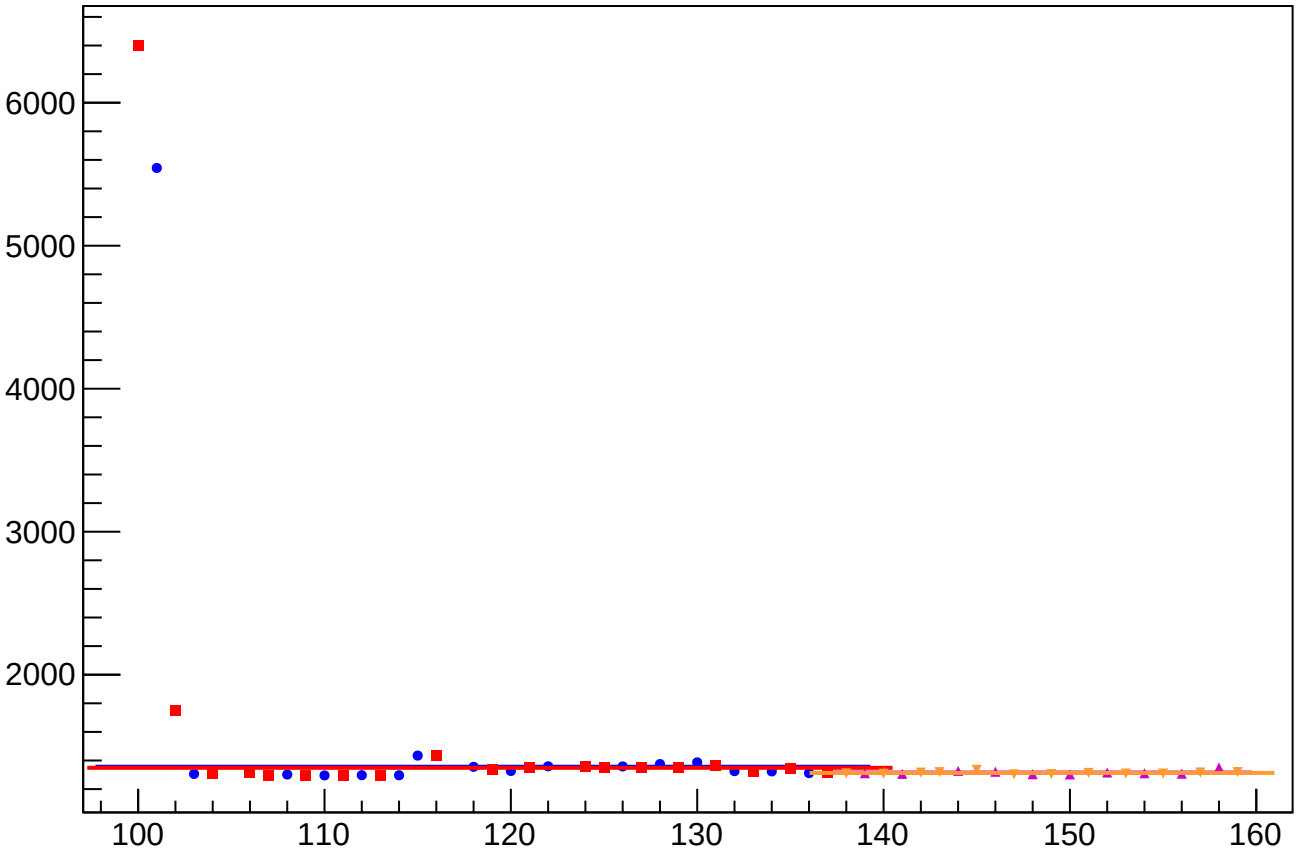
Left: -468.006+/-307.489 χ^2/NDF: 19.8/21

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -139.490+/-337.704 χ^2/NDF:33.9/25

Out: -295.508+/-324.067 χ^2/NDF:19.2/30

All: -220.713+/-233.822 χ^2/NDF: 53.3/56



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.172+/-0.300 χ^2/NDF:720.1/11

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

Left: 1314.447+/-0.217 χ^2/NDF: 2669.8/21

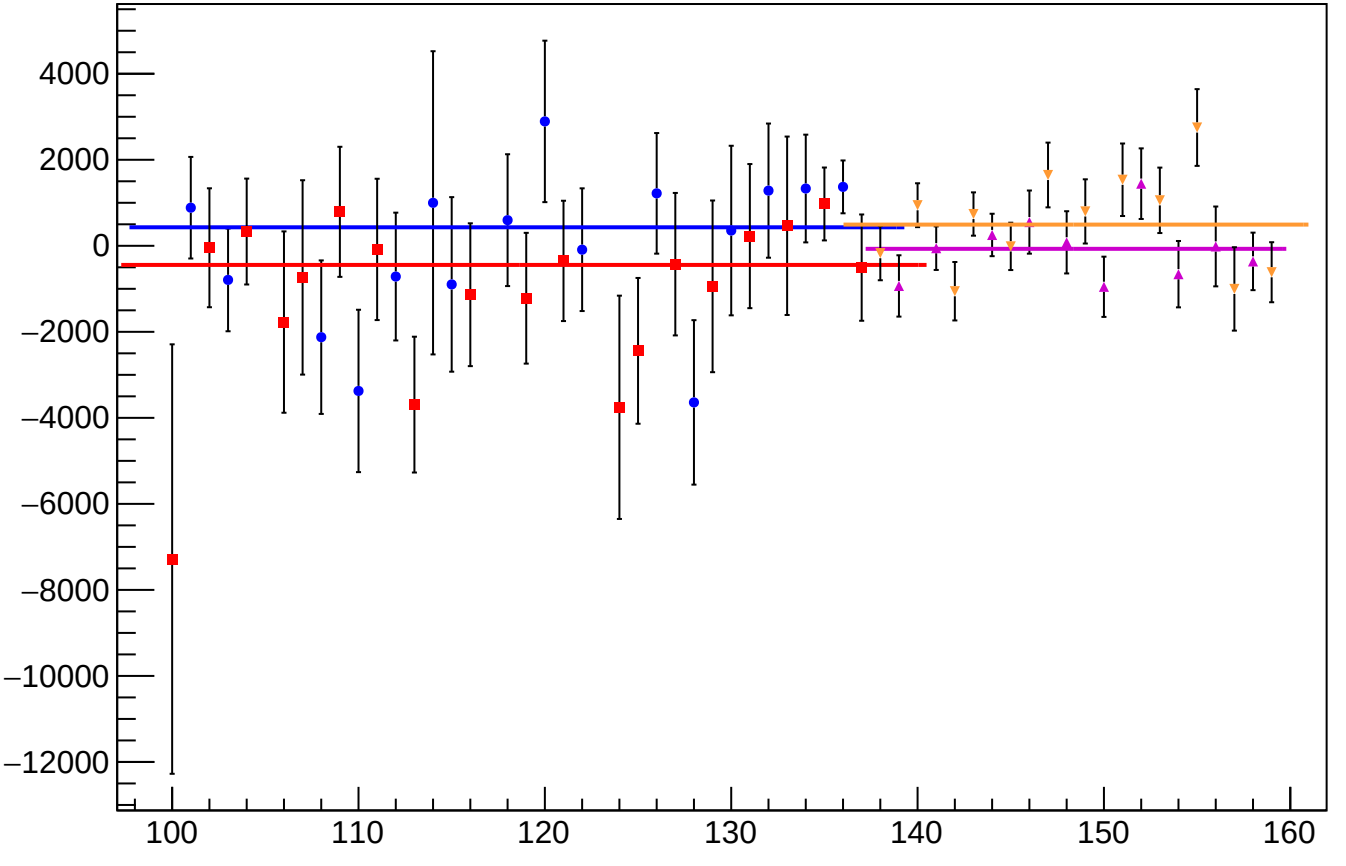
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1333.096+/-0.239 χ^2/NDF:769226.4/25

Out: 1328.153+/-0.229 χ^2/NDF:153926.0/30

All: 1330.523+/-0.165 χ^2/NDF: 923375.5/56

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 492.965+/-192.999 χ^2/NDF:24.1/11

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -70.416+/-211.514 χ^2/NDF:8.4/9

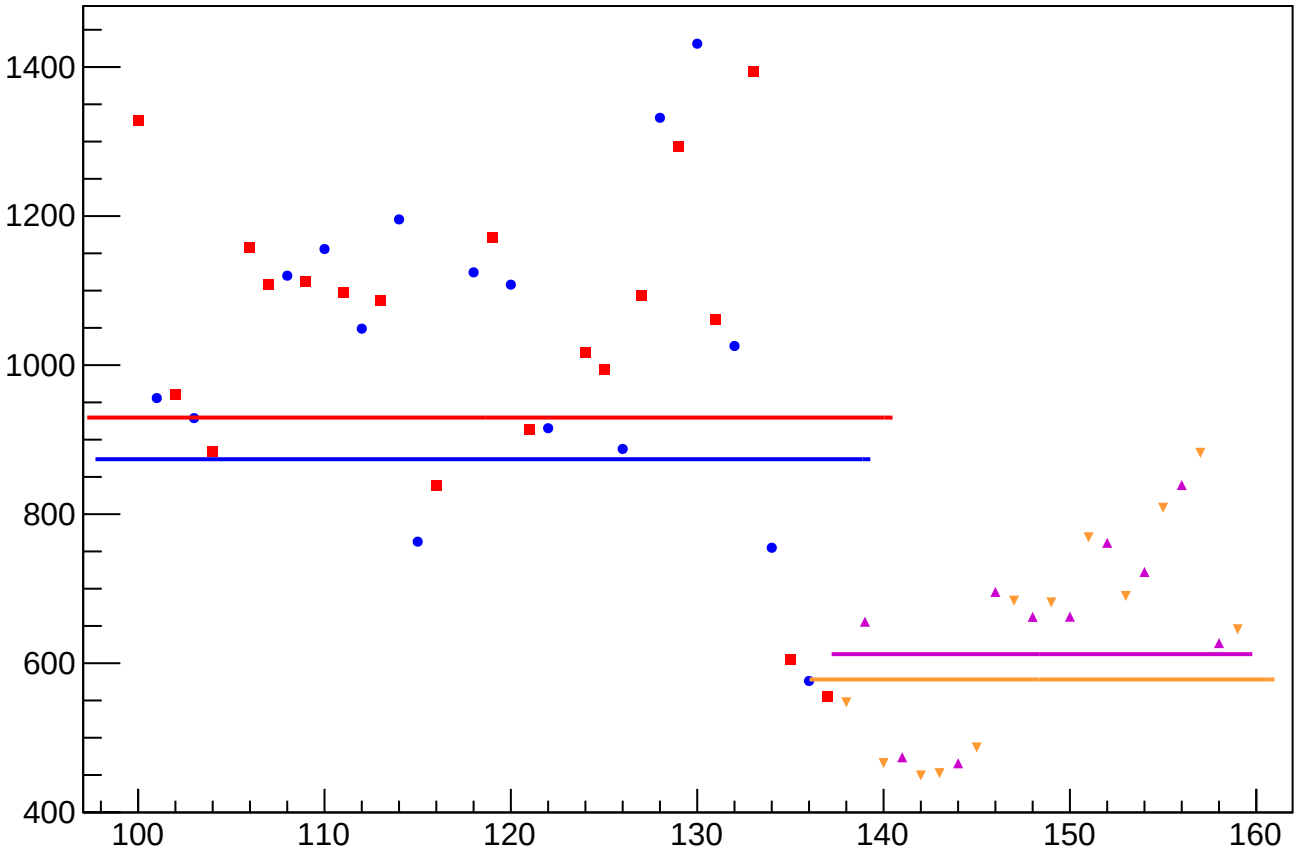
Left: 237.008+/-142.568 χ^2/NDF: 36.4/21

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 70.231+/-179.369 χ^2/NDF:28.2/25

Out: 279.635+/-169.625 χ^2/NDF:43.8/30

All: 180.775+/-123.244 χ^2/NDF: 72.8/56



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 578.201+/-0.136 χ^2/NDF:925545.3/11

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 612.194+/-0.150 χ^2/NDF:606792.6/9

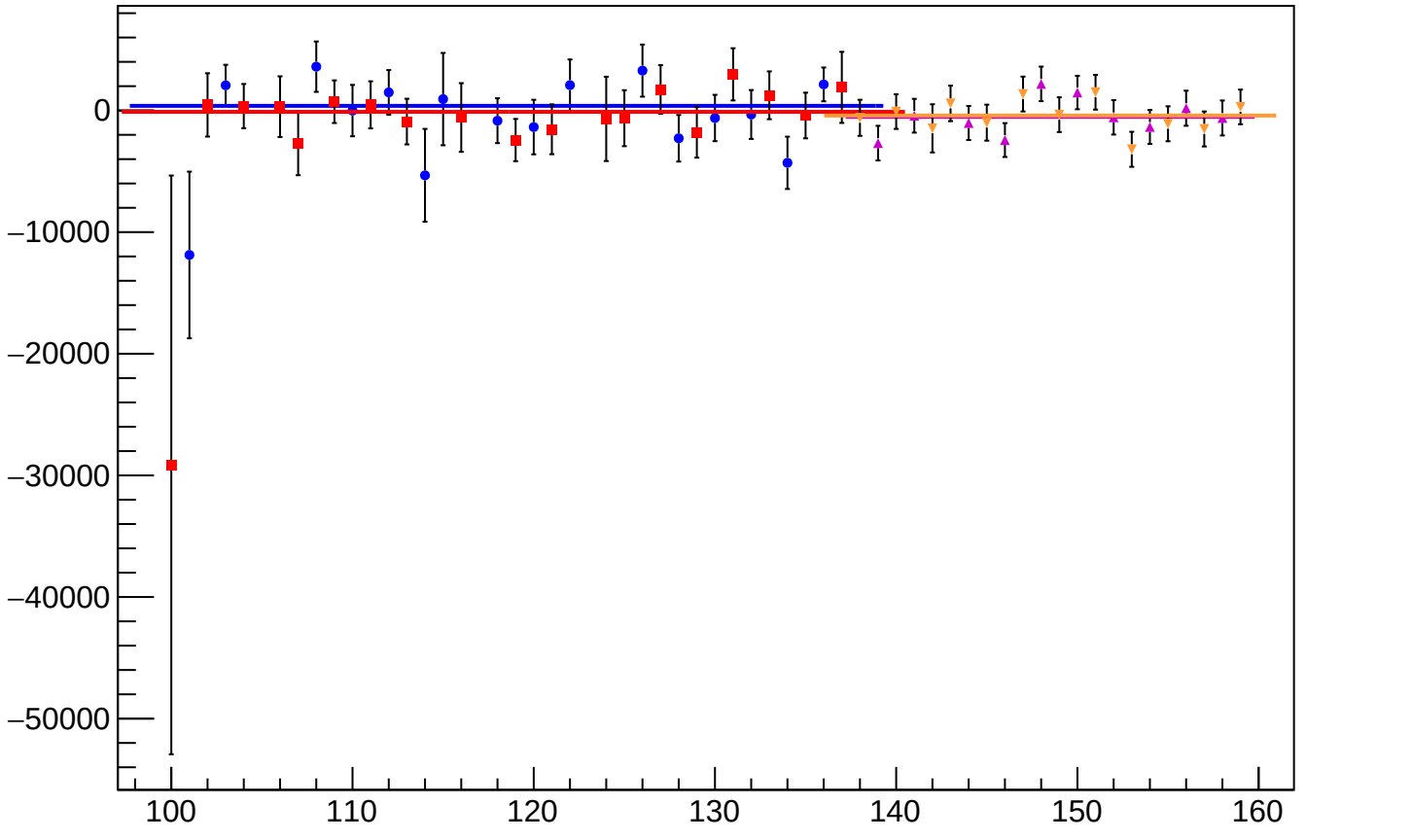
Left: 593.645+/-0.101 χ^2/NDF: 1560525.8/21

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 685.648+/-0.127 χ^2/NDF:2480478.9/25

Out: 658.169+/-0.120 χ^2/NDF:3294461.2/30

All: 671.142+/-0.087 χ^2/NDF: 5799719.3/56



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -416.155+/-424.943 χ^2/NDF:9.1/11

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -525.114+/-445.494 χ^2/NDF:10.7/9

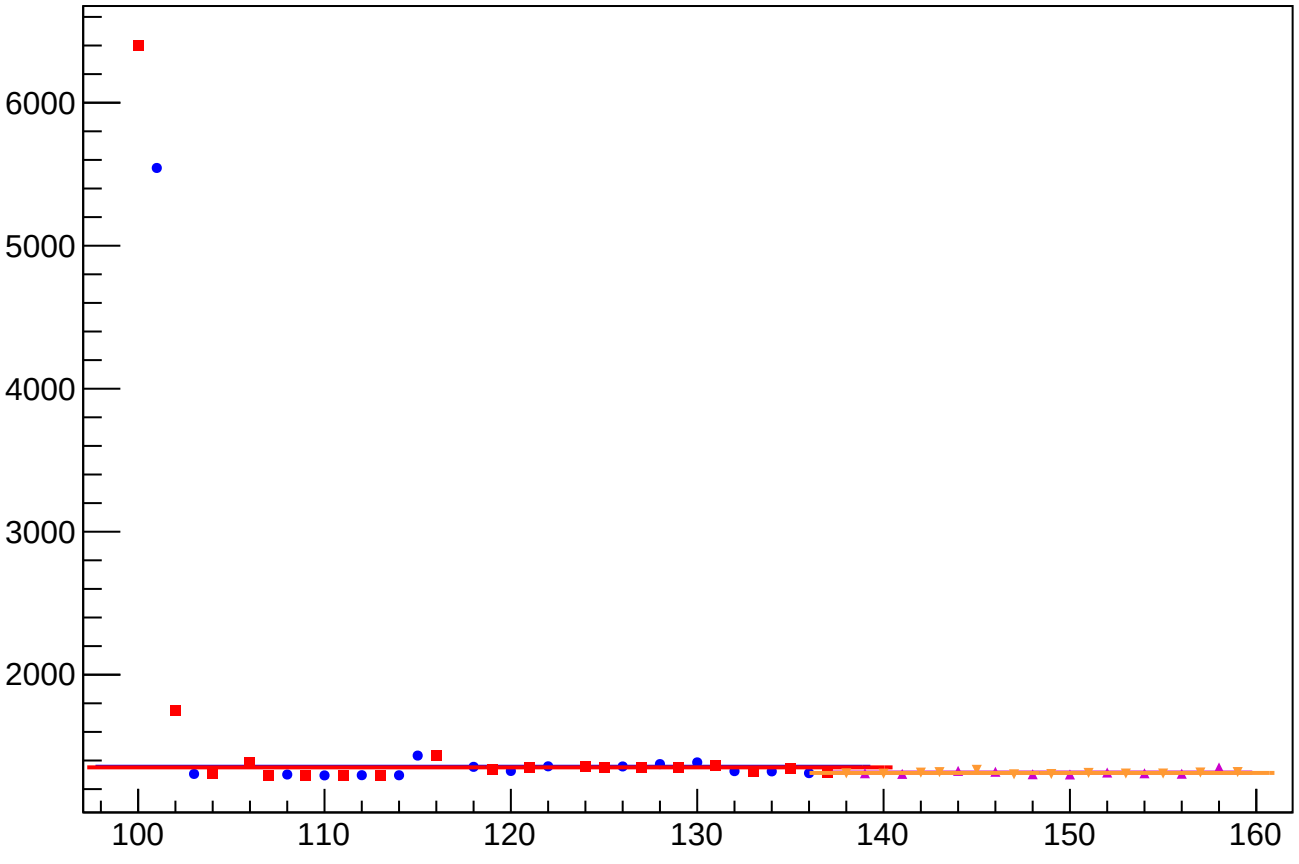
Left: -468.063+/-307.489 χ^2/NDF: 19.8/21

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -139.378+/-337.704 χ^2/NDF:33.9/25

Out: -288.677+/-324.528 χ^2/NDF:19.3/30

All: -216.997+/-233.996 χ^2/NDF: 53.3/56



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.172+/-0.300 χ^2/NDF:720.1/11

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

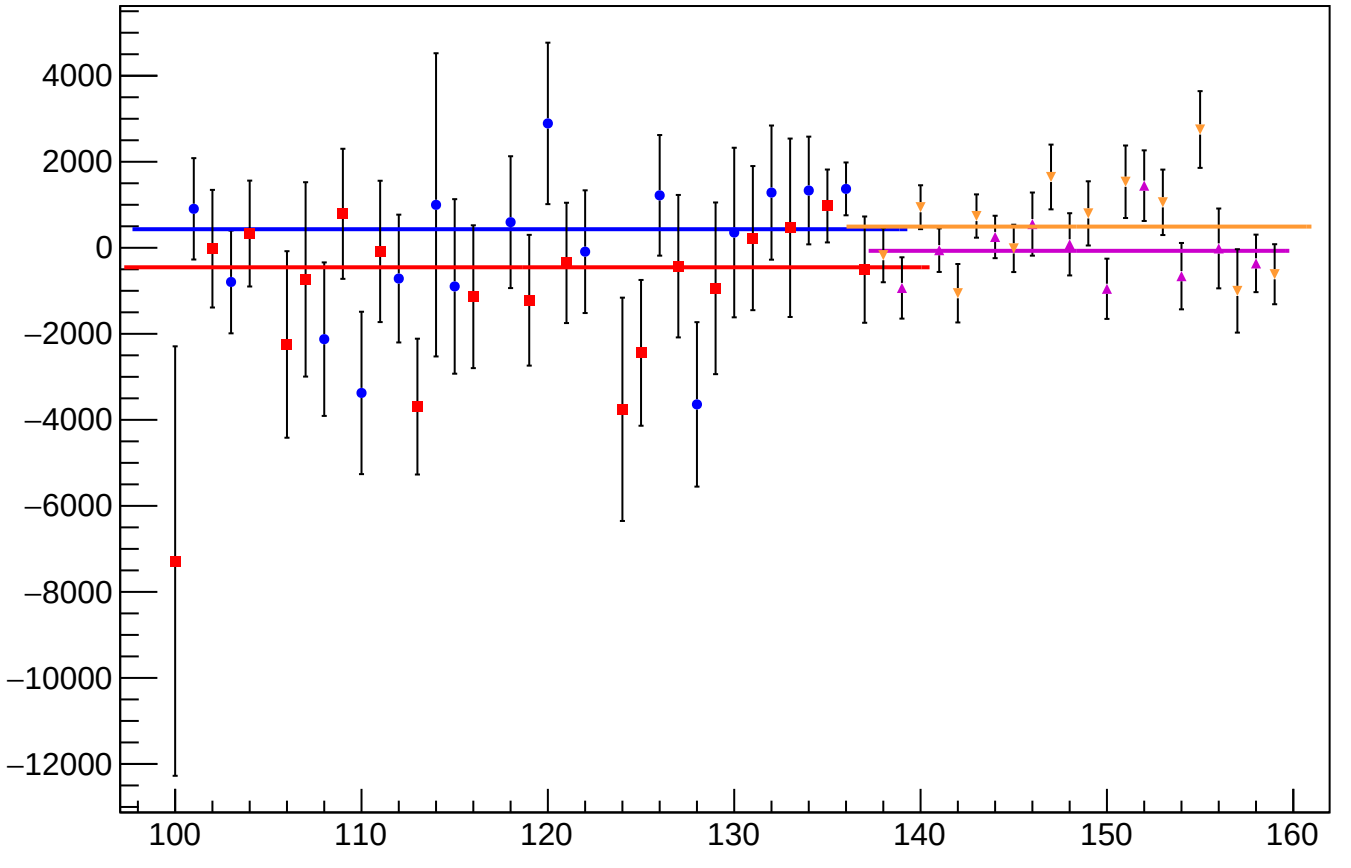
Left: 1314.447+/-0.217 χ^2/NDF: 2669.8/21

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.096+/-0.239 χ^2/NDF:769225.4/25

Out: 1329.389+/-0.229 χ^2/NDF:155035.5/30

All: 1331.169+/-0.165 χ^2/NDF: 924386.2/56



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 492.892+/-193.000 χ^2/NDF:24.1/11

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -70.358+/-211.512 χ^2/NDF:8.4/9

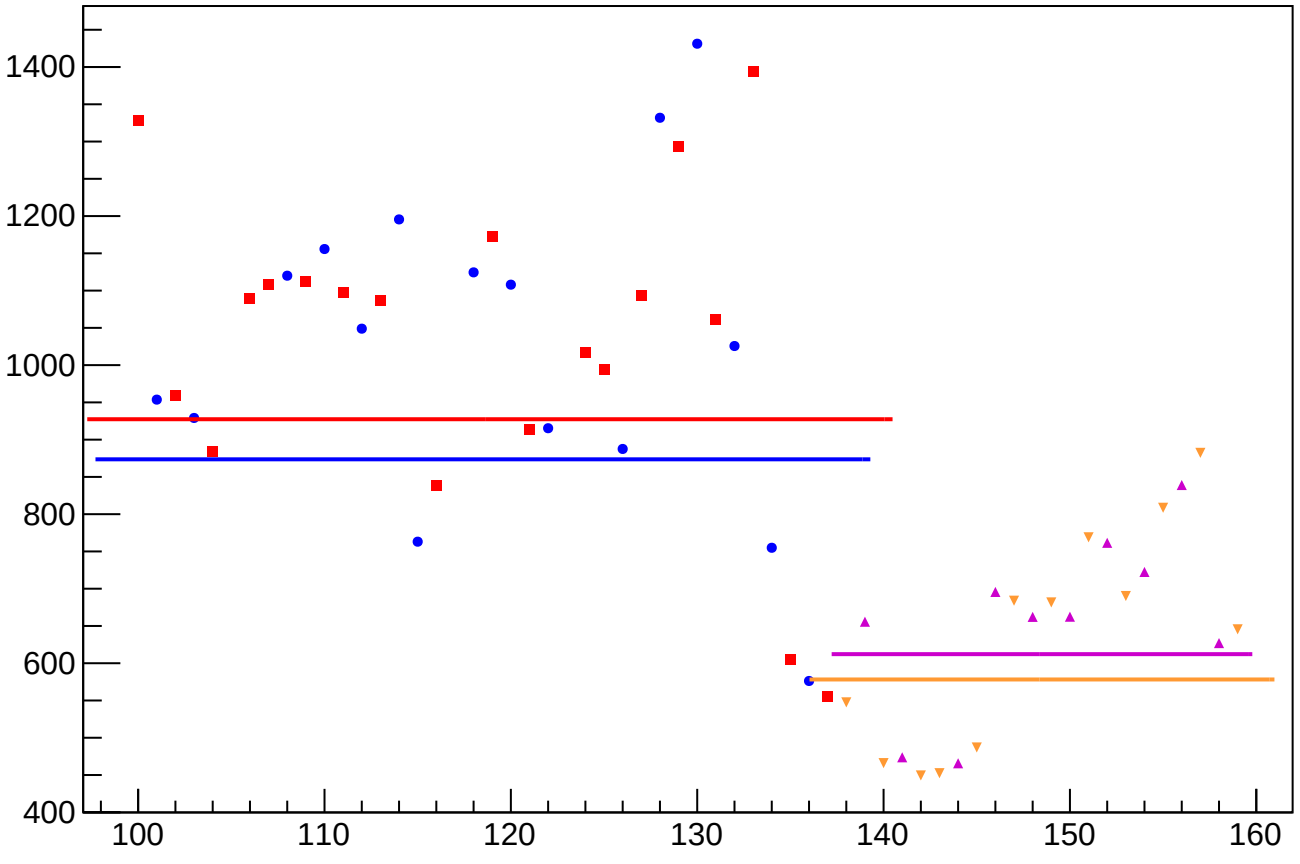
Left: 236.990+/-142.568 χ^2/NDF: 36.4/21

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 70.802+/-179.359 χ^2/NDF:28.3/25

Out: 277.651+/-169.626 χ^2/NDF:44.2/30

All: 179.991+/-123.241 χ^2/NDF: 73.2/56



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 578.204+/-0.136 χ^2/NDF:925504.2/11

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

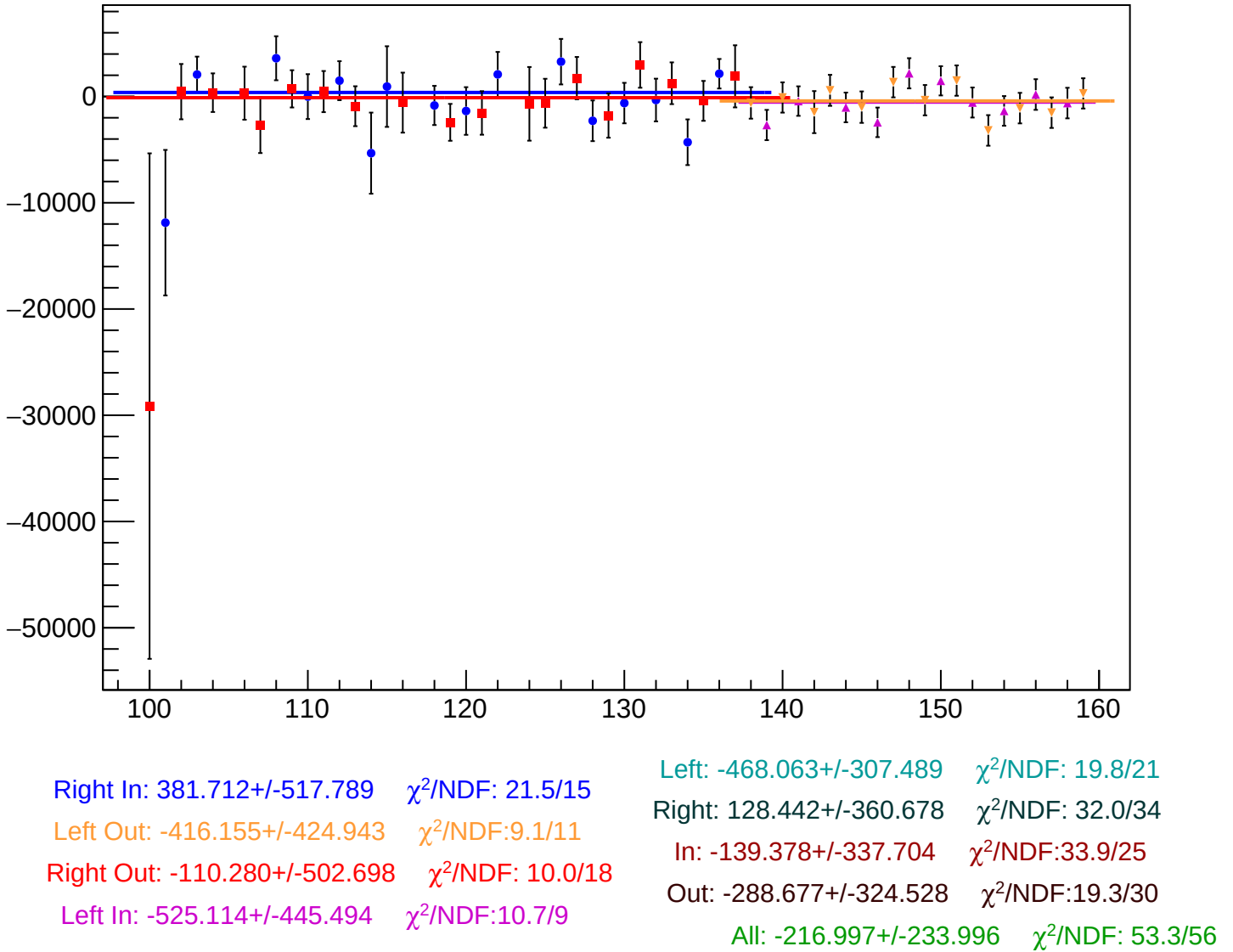
Left: 593.643+/-0.101 χ^2/NDF: 1560523.3/21

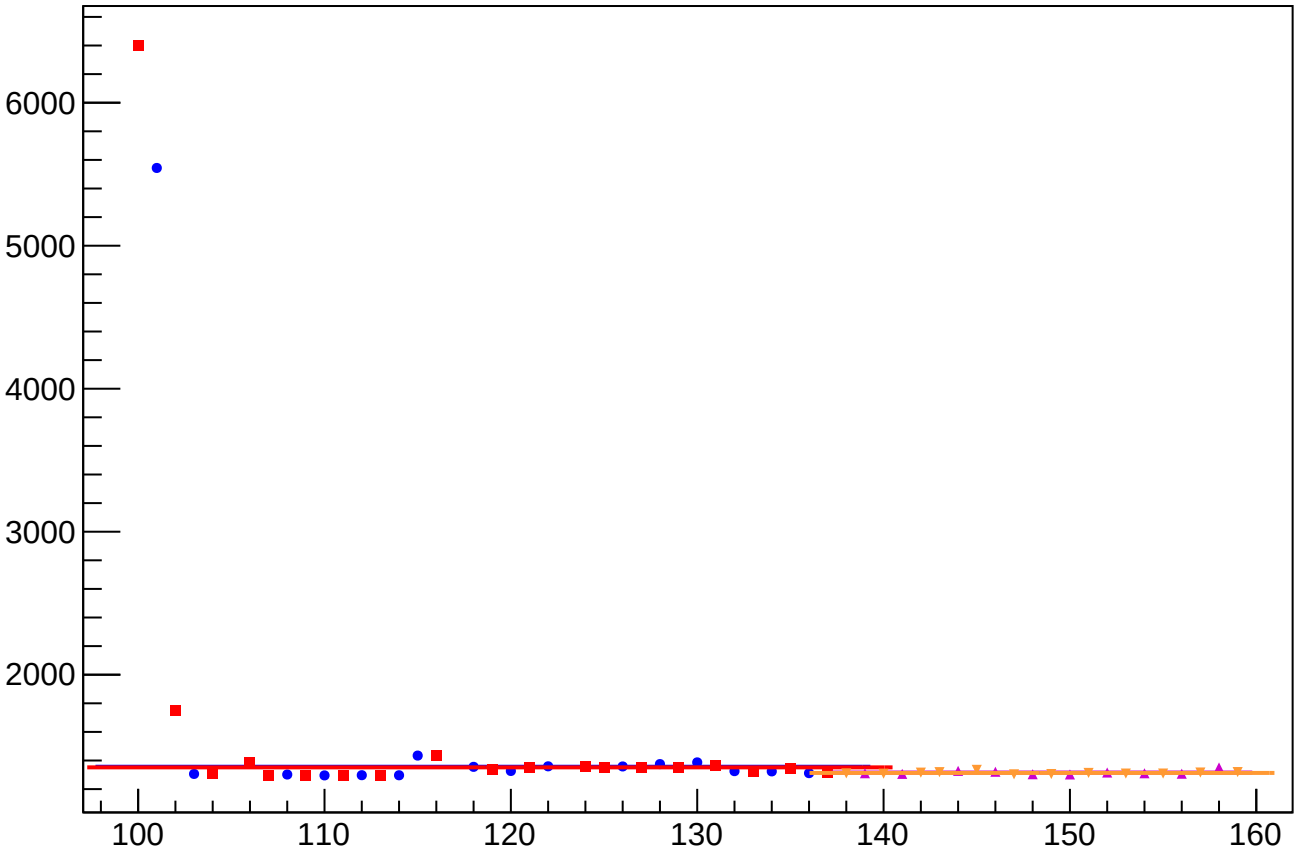
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.624+/-0.127 χ^2/NDF:2479510.3/25

Out: 657.663+/-0.120 χ^2/NDF:3262724.3/30

All: 670.864+/-0.087 χ^2/NDF: 5767892.4/56


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -416.155+/-424.943 χ²/NDF:9.1/11
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -525.114+/-445.494 χ²/NDF:10.7/9
Left: -468.063+/-307.489 χ²/NDF: 19.8/21
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -139.378+/-337.704 χ²/NDF:33.9/25
Out: -288.677+/-324.528 χ²/NDF:19.3/30
All: -216.997+/-233.996 χ²/NDF: 53.3/56



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.172+/-0.300 χ^2/NDF:720.1/11

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

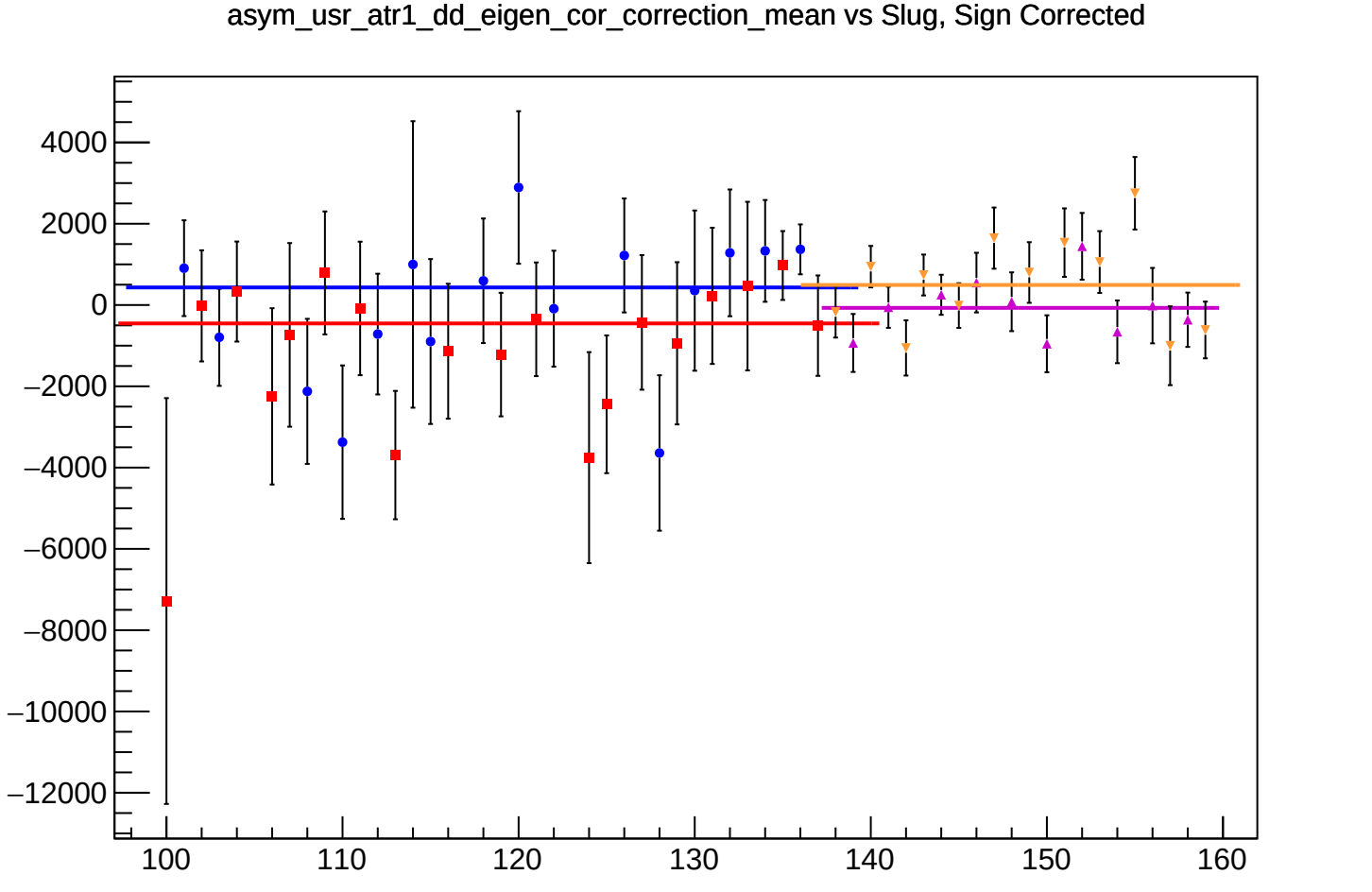
Left: 1314.447+/-0.217 χ^2/NDF: 2669.8/21

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.096+/-0.239 χ^2/NDF:769225.4/25

Out: 1329.389+/-0.229 χ^2/NDF:155035.5/30

All: 1331.169+/-0.165 χ^2/NDF: 924386.2/56



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 492.892+/-193.000 χ^2/NDF:24.1/11

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -70.358+/-211.512 χ^2/NDF:8.4/9

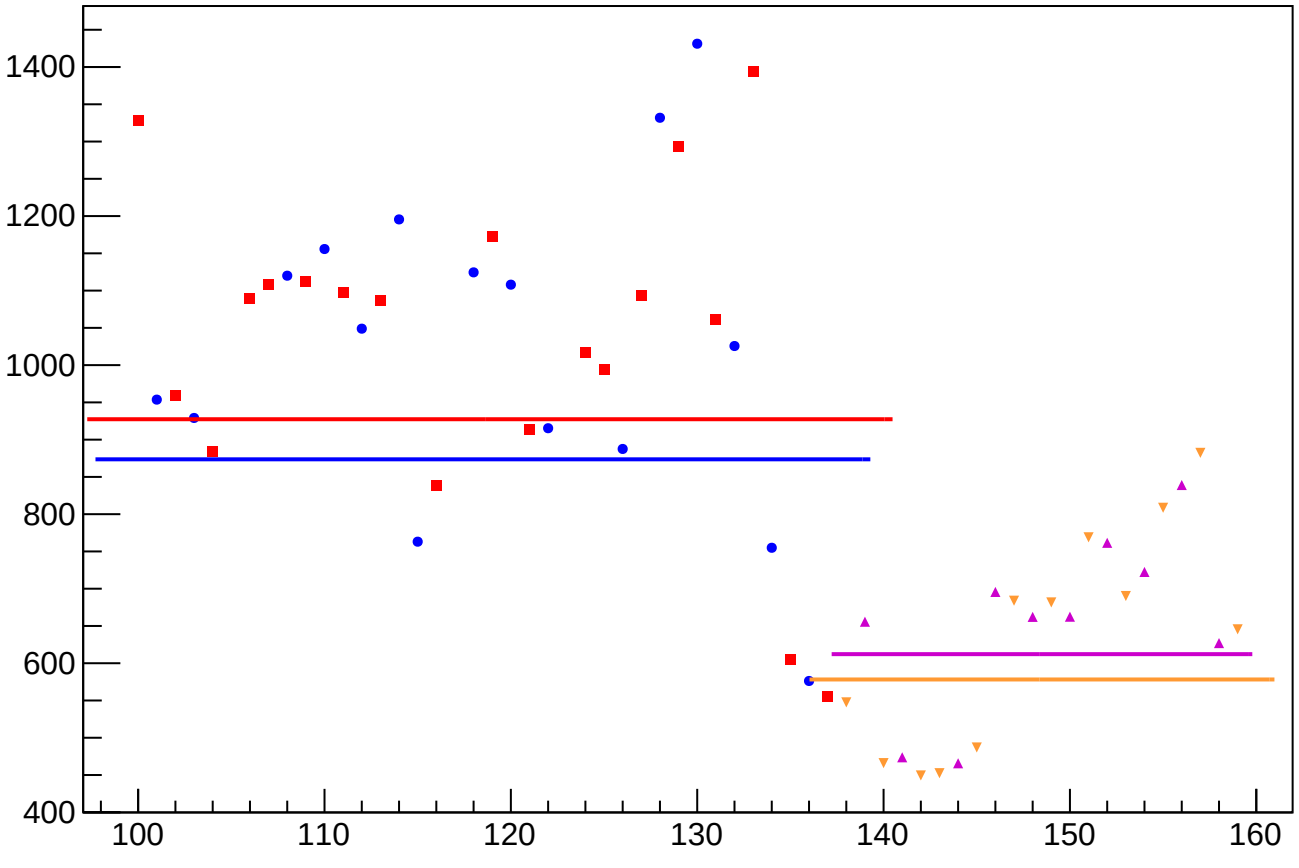
Left: 236.990+/-142.568 χ^2/NDF: 36.4/21

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 70.802+/-179.359 χ^2/NDF:28.3/25

Out: 277.651+/-169.626 χ^2/NDF:44.2/30

All: 179.991+/-123.241 χ^2/NDF: 73.2/56



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 578.204+/-0.136 χ^2/NDF:925504.2/11

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

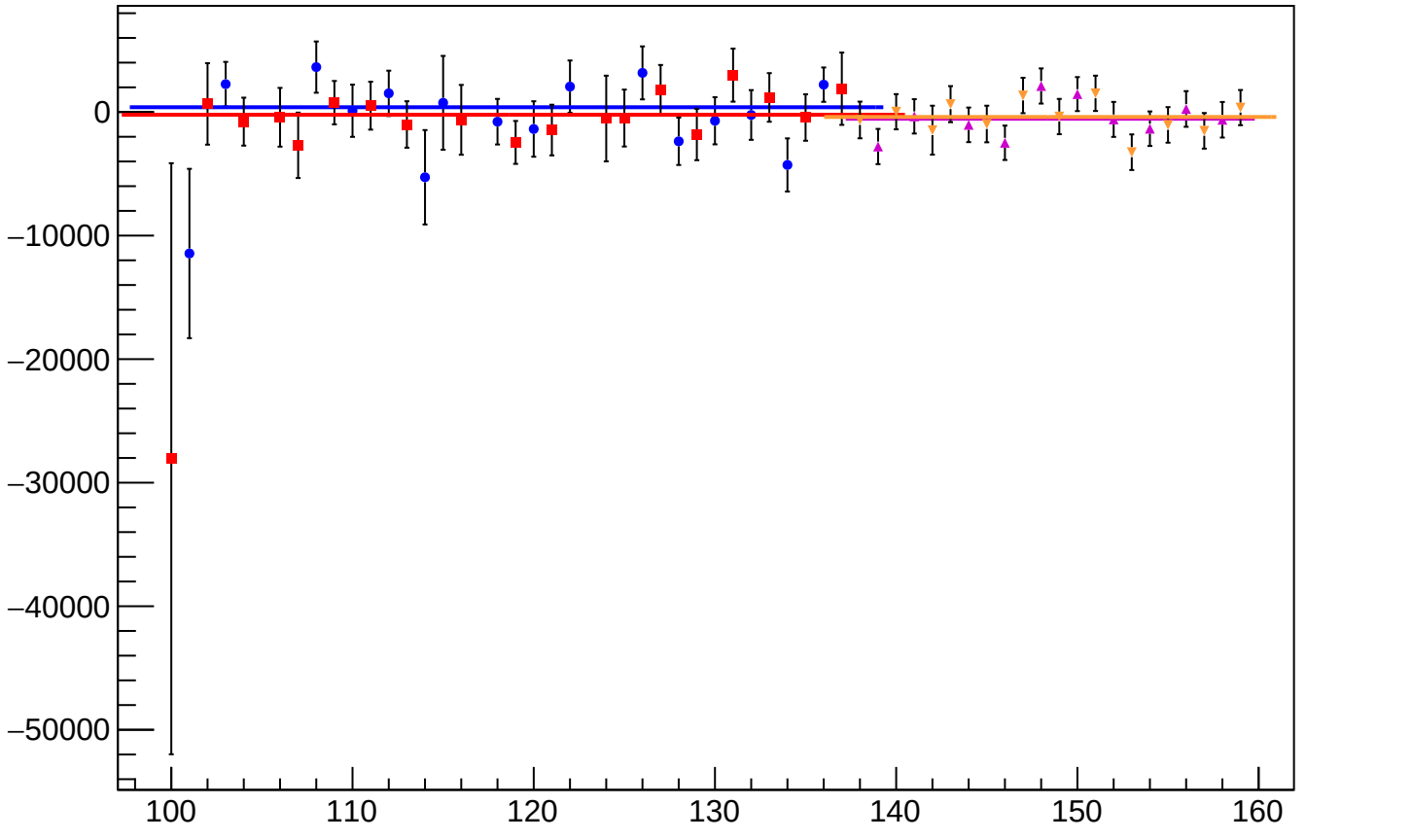
Left: 593.643+/-0.101 χ^2/NDF: 1560523.3/21

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.624+/-0.127 χ^2/NDF:2479510.3/25

Out: 657.663+/-0.120 χ^2/NDF:3262724.3/30

All: 670.864+/-0.087 χ^2/NDF: 5767892.4/56



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -397.930+/-425.264 χ^2/NDF:9.3/11

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -541.445+/-445.796 χ^2/NDF:10.8/9

Left: -466.306+/-307.710 χ^2/NDF: 20.2/21

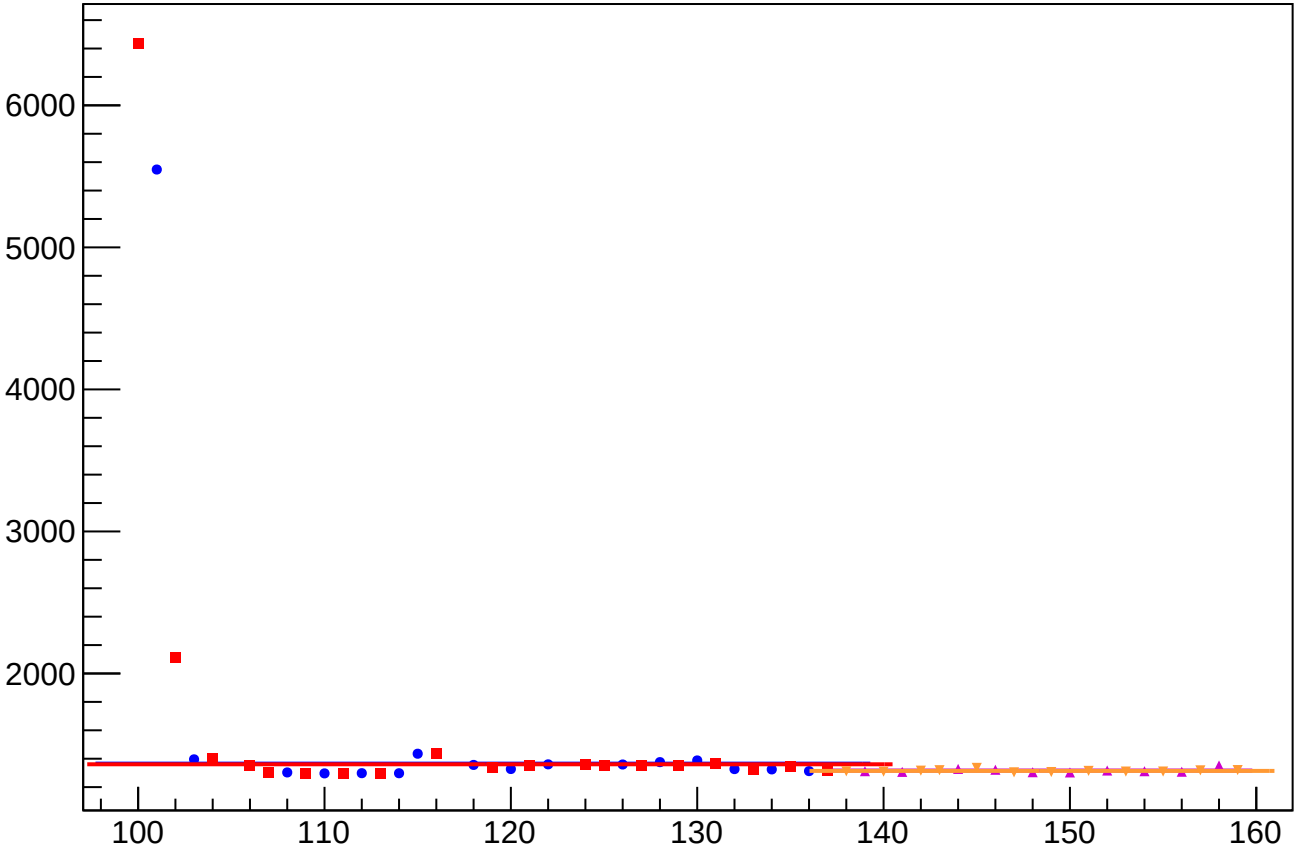
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -147.900+/-338.766 χ^2/NDF:34.0/25

Out: -323.855+/-326.067 χ^2/NDF:19.4/30

All: -239.237+/-234.926 χ^2/NDF: 53.5/56

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.165+/-0.301 χ^2/NDF:718.0/11

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

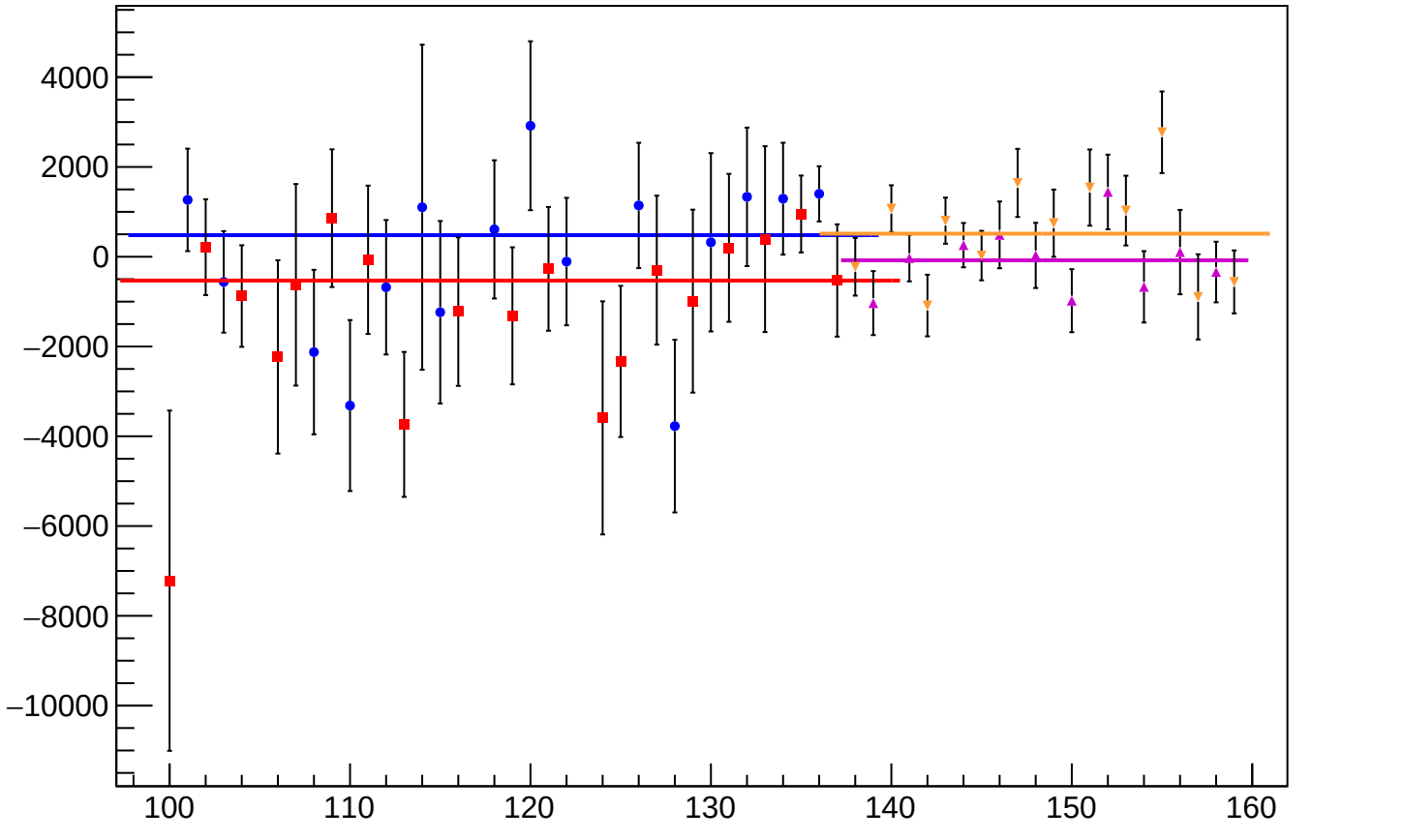
Left: 1315.391+/-0.218 χ^2/NDF: 2663.9/21

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1337.259+/-0.240 χ^2/NDF:770883.8/25

Out: 1333.371+/-0.231 χ^2/NDF:215932.6/30

All: 1335.241+/-0.166 χ^2/NDF: 986953.1/56



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 513.875+/-195.301 χ^2/NDF:23.9/11

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -79.839+/-213.866 χ^2/NDF:8.6/9

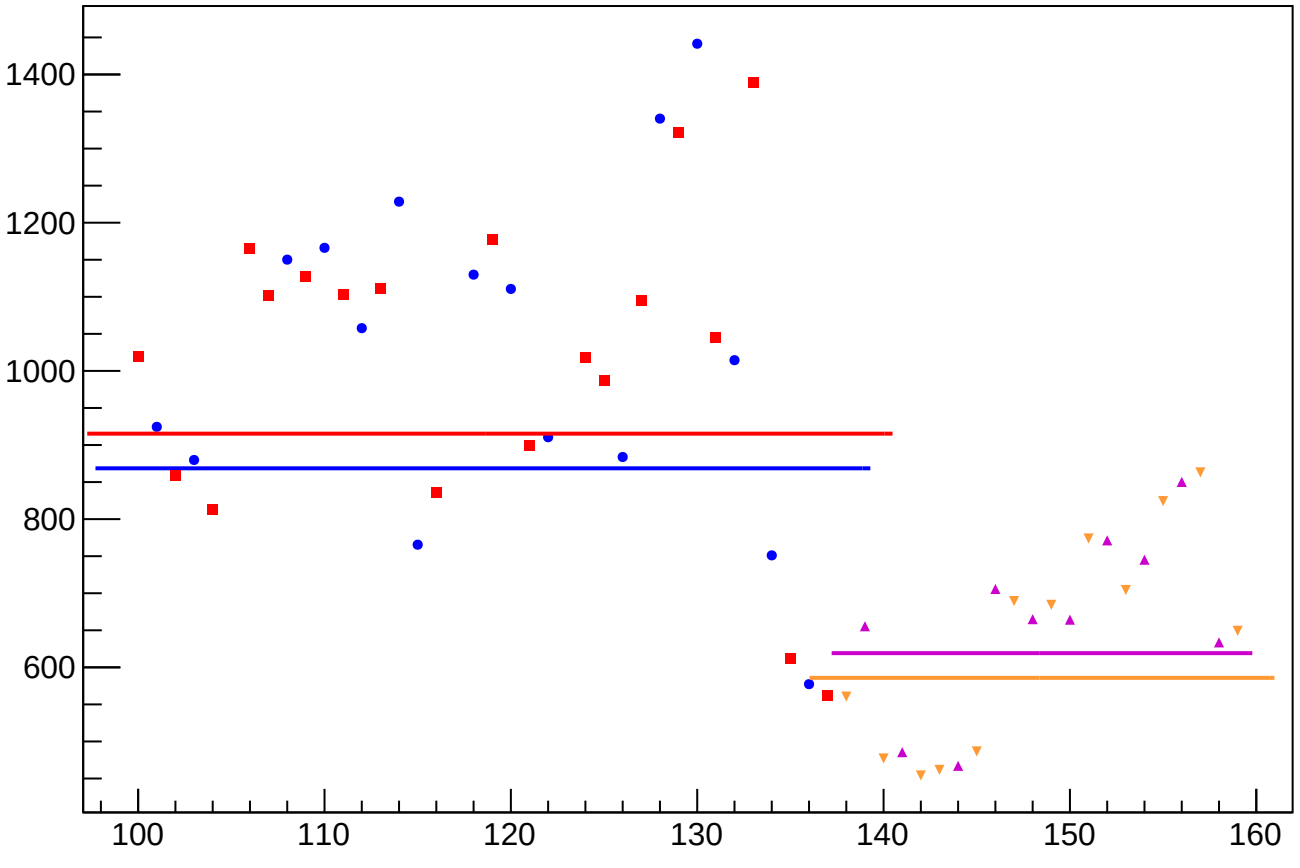
Left: 243.900+/-144.216 χ^2/NDF: 36.7/21

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 81.338+/-180.499 χ^2/NDF:29.2/25

Out: 261.636+/-170.090 χ^2/NDF:46.5/30

All: 176.835+/-123.788 χ^2/NDF: 76.2/56



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 585.831+/-0.138 χ^2/NDF:886858.5/11

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 619.165+/-0.151 χ^2/NDF:609435.1/9

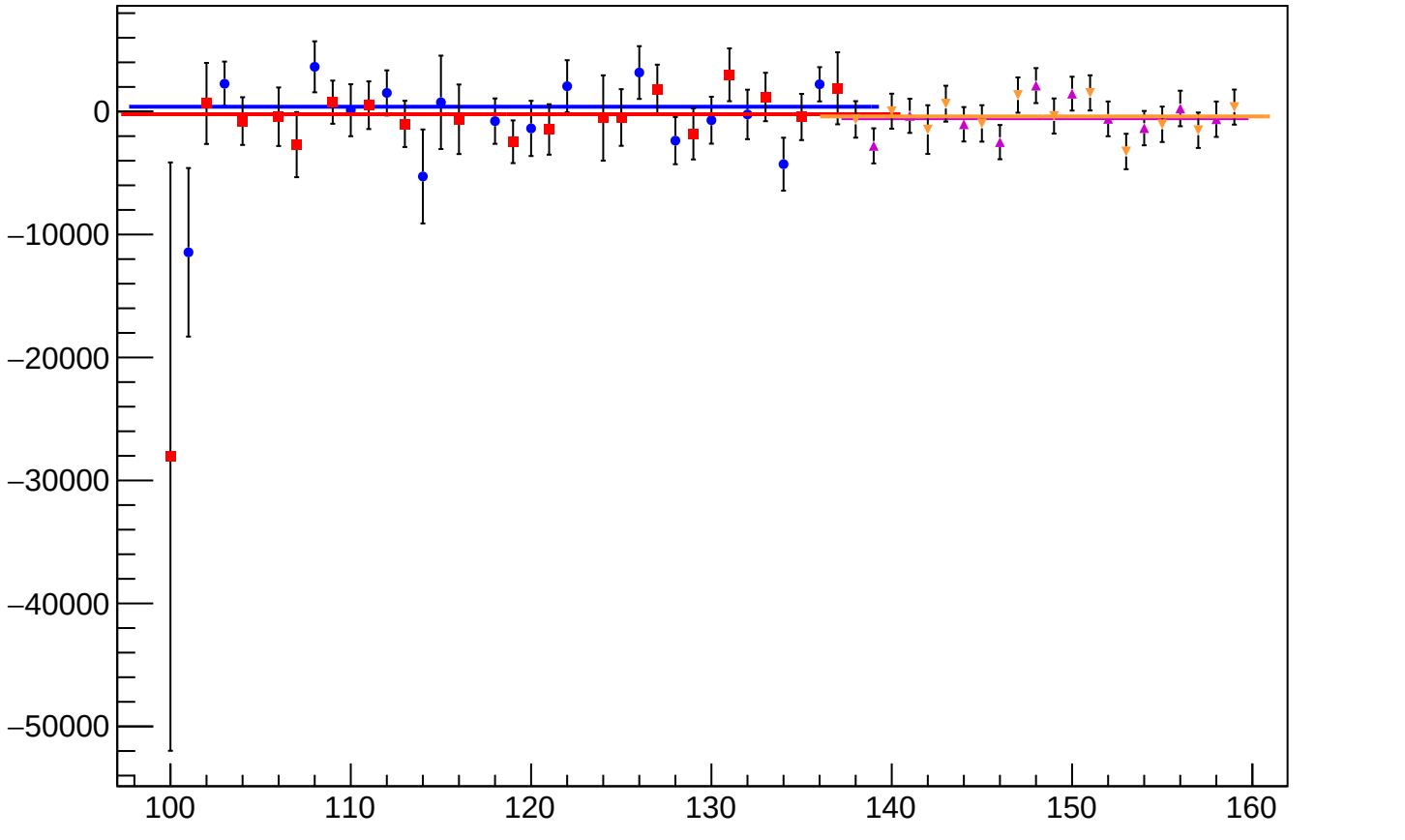
Left: 600.989+/-0.102 χ^2/NDF: 1522787.6/21

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.917+/-0.128 χ^2/NDF:2413286.7/25

Out: 665.417+/-0.120 χ^2/NDF:3120914.1/30

All: 677.411+/-0.088 χ^2/NDF: 5555344.6/56



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -397.932+/-425.264 χ^2/NDF:9.3/11

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -541.444+/-445.796 χ^2/NDF:10.8/9

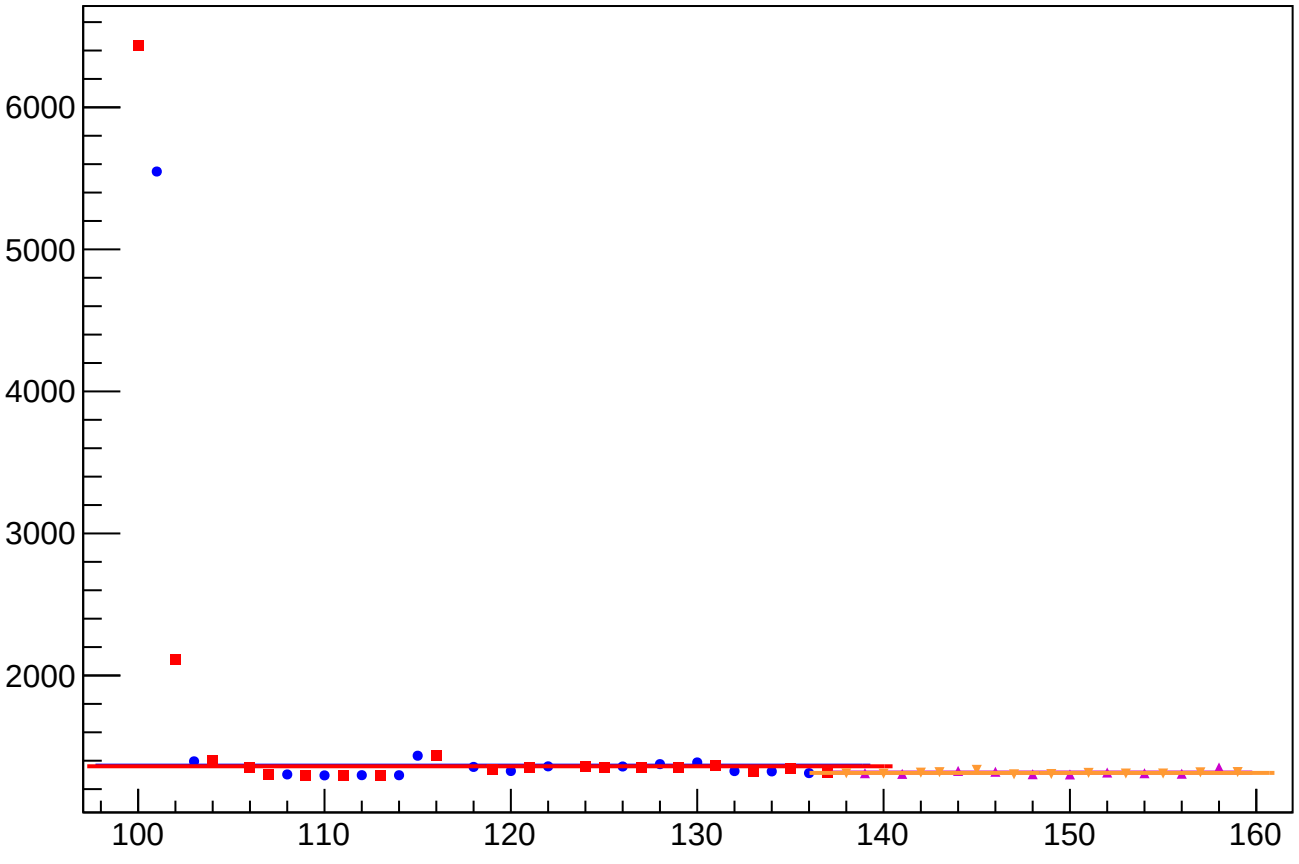
Left: -466.307+/-307.710 χ^2/NDF: 20.2/21

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -147.900+/-338.766 χ^2/NDF:34.0/25

Out: -323.855+/-326.067 χ^2/NDF:19.4/30

All: -239.238+/-234.926 χ^2/NDF: 53.5/56



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.165+/-0.301 χ^2/NDF:718.0/11

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

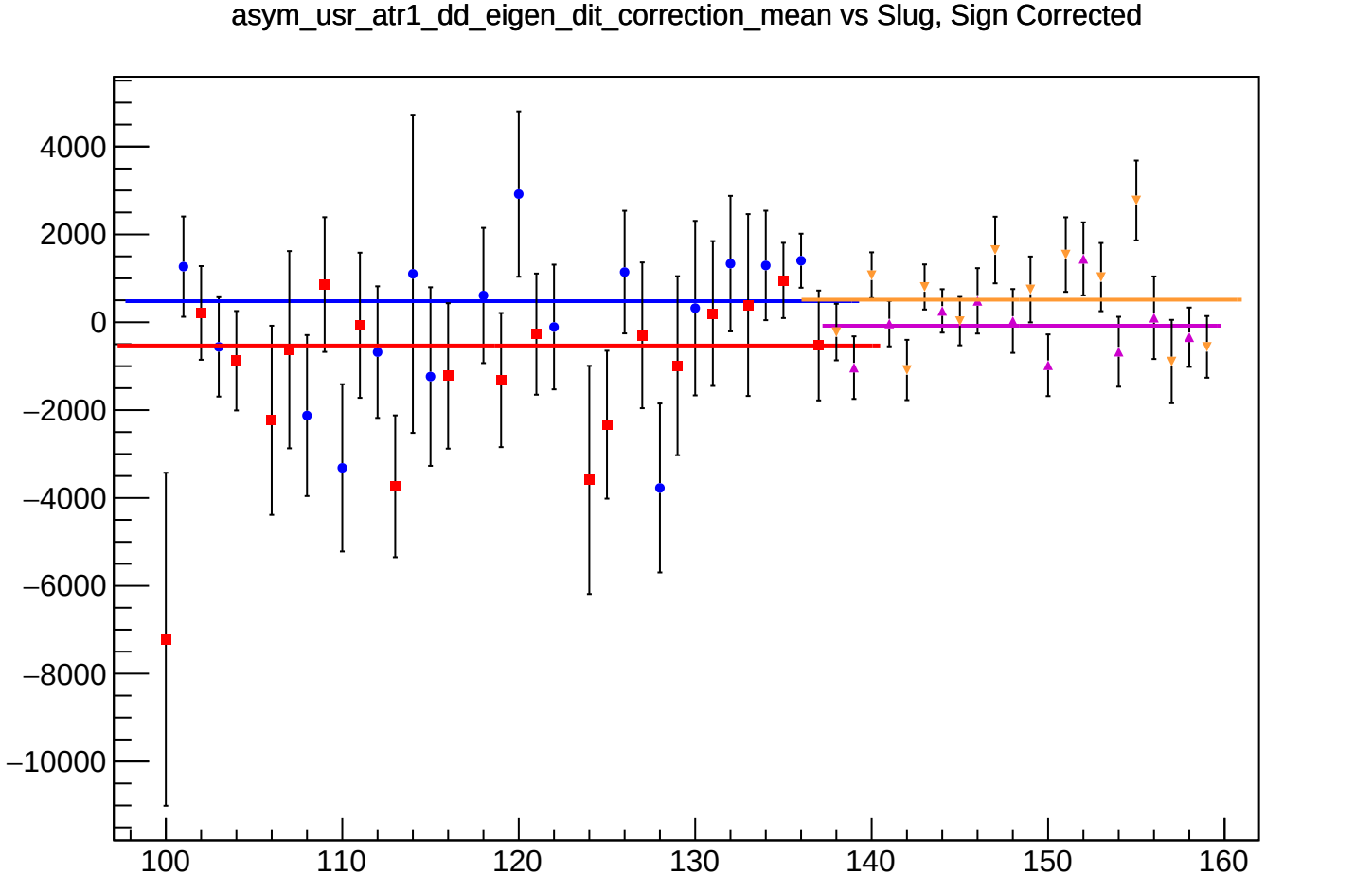
Left: 1315.391+/-0.218 χ^2/NDF: 2663.9/21

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1337.259+/-0.240 χ^2/NDF:770883.8/25

Out: 1333.371+/-0.231 χ^2/NDF:215932.5/30

All: 1335.241+/-0.166 χ^2/NDF: 986953.0/56


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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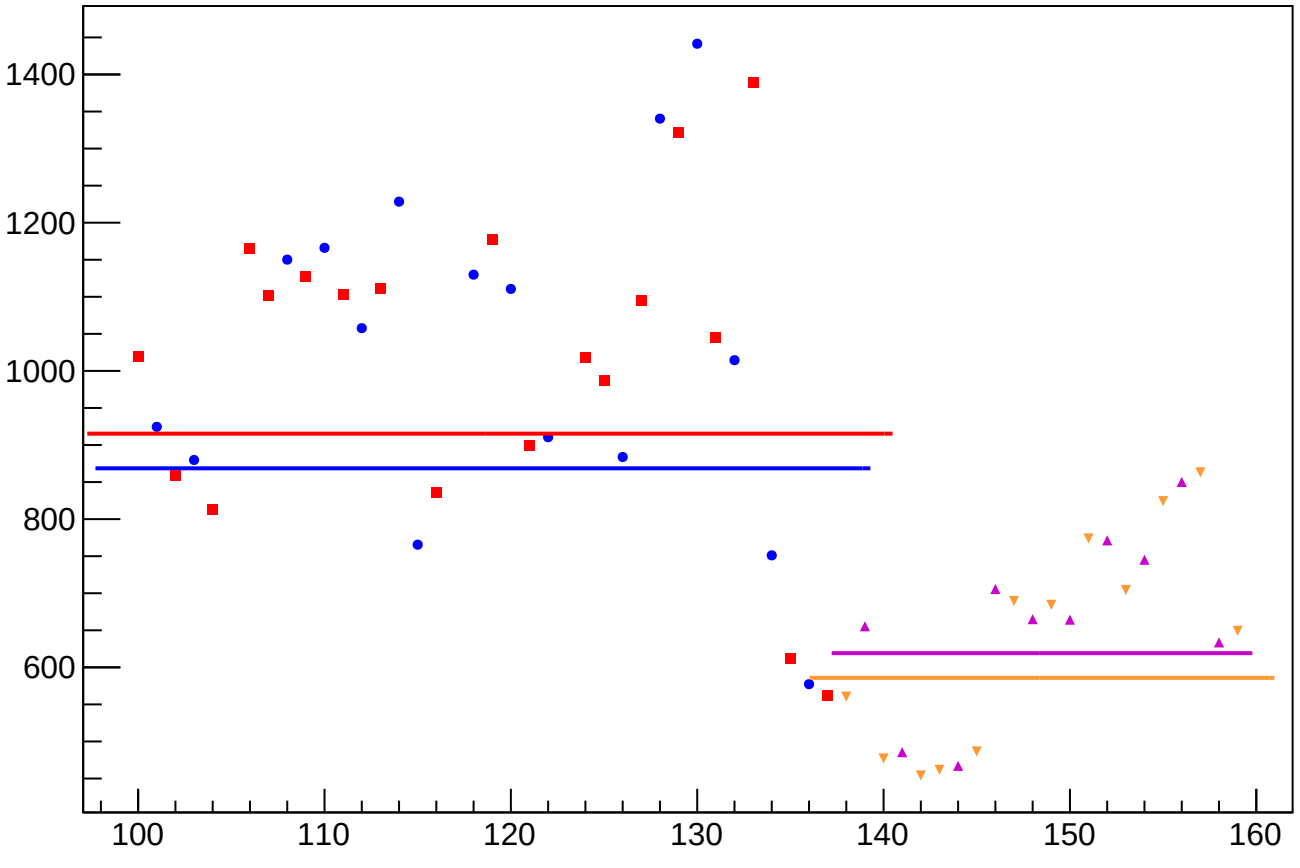
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 513.875+/-195.301 χ²/NDF:23.9/11
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -79.839+/-213.866 χ²/NDF:8.6/9
Left: 243.901+/-144.216 χ²/NDF: 36.7/21
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 81.339+/-180.499 χ²/NDF:29.2/25
Out: 261.635+/-170.090 χ²/NDF:46.5/30
All: 176.835+/-123.788 χ²/NDF: 76.2/56



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 585.831+/-0.138 χ^2/NDF:886871.7/11

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 619.166+/-0.151 χ^2/NDF:609440.8/9

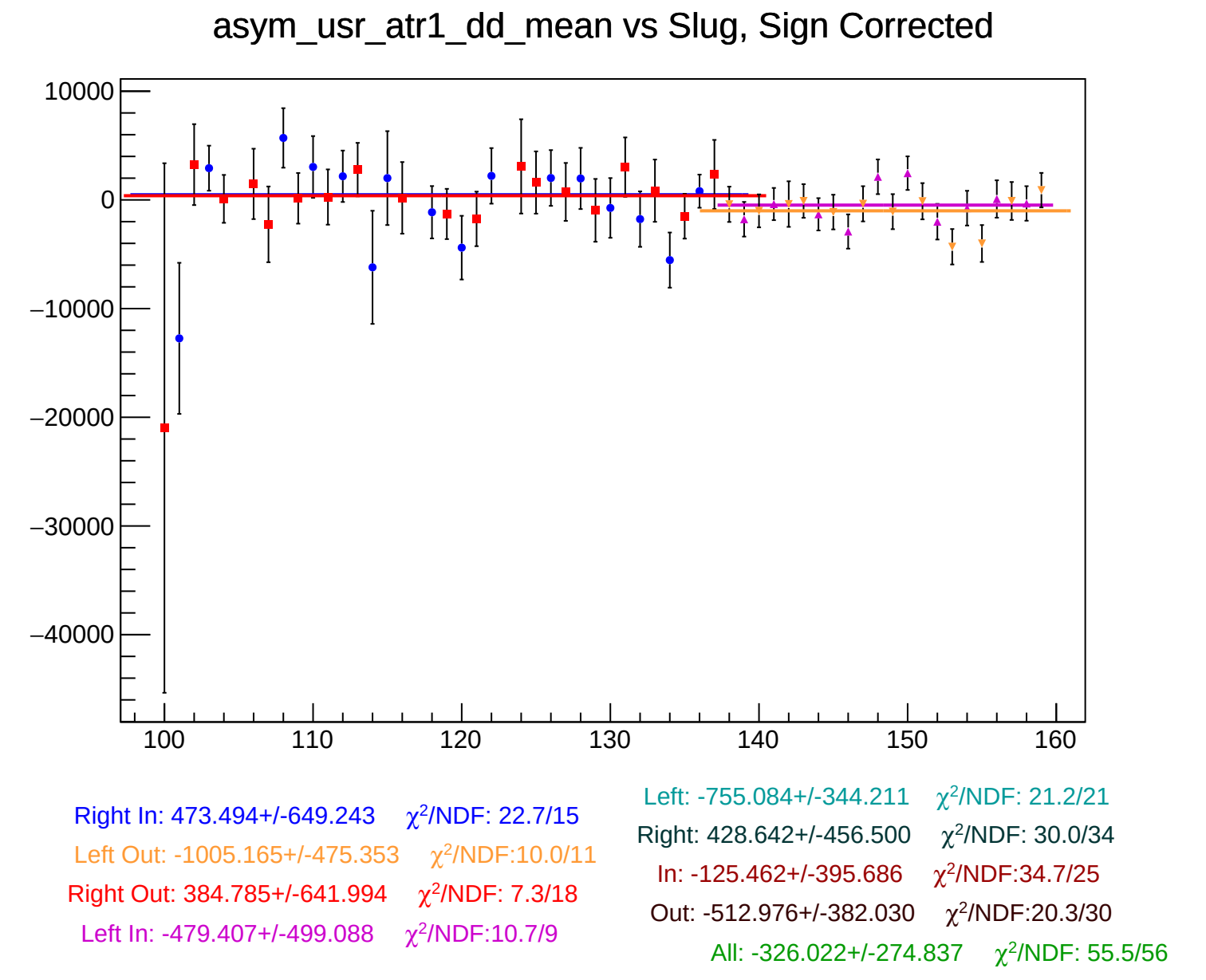
Left: 600.989+/-0.102 χ^2/NDF: 1522807.8/21

Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

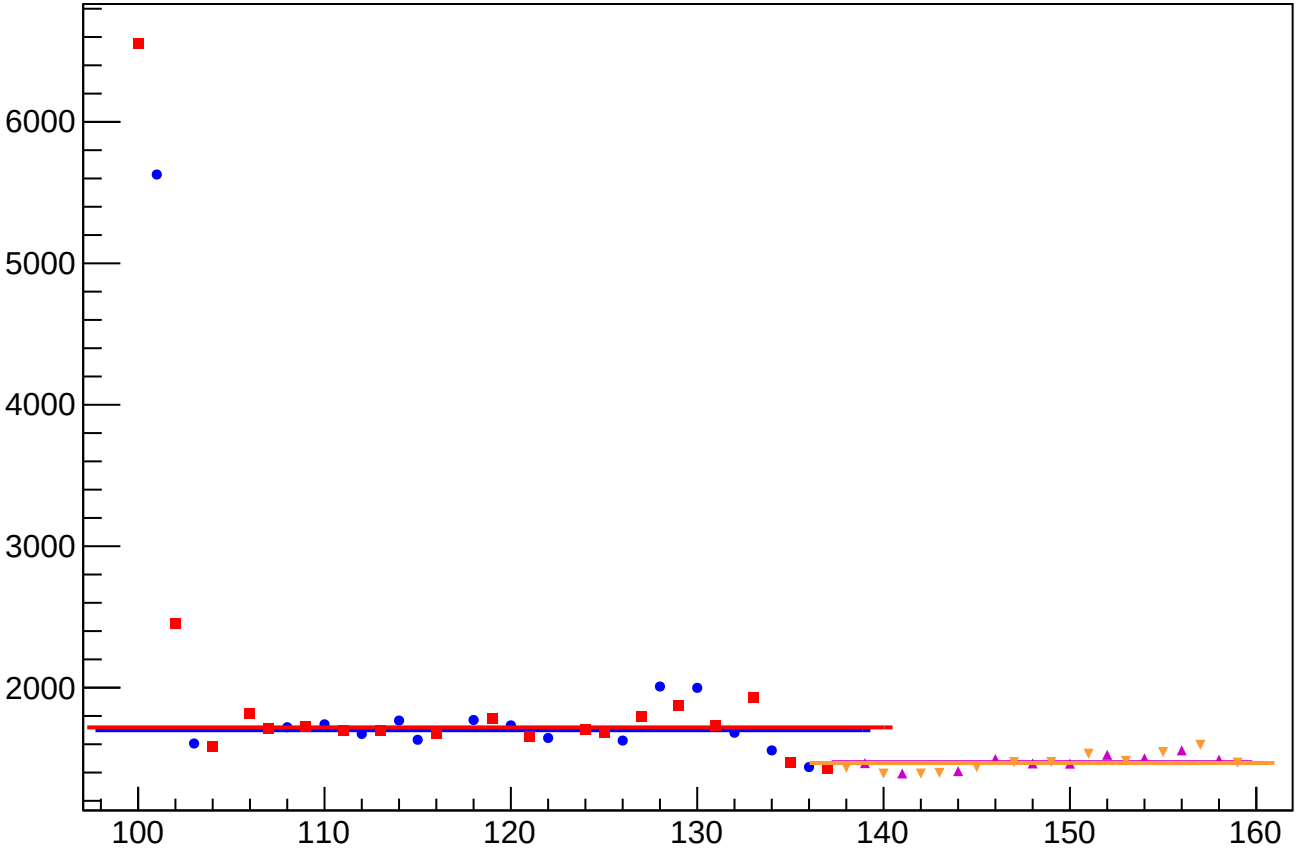
In: 690.918+/-0.128 χ^2/NDF:2413272.7/25

Out: 665.417+/-0.120 χ^2/NDF:3120915.5/30

All: 677.411+/-0.088 χ^2/NDF: 5555332.9/56


asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 473.494+/-649.243 χ²/NDF: 22.7/15
Left Out: -1005.165+/-475.353 χ²/NDF:10.0/11
Right Out: 384.785+/-641.994 χ²/NDF: 7.3/18
Left In: -479.407+/-499.088 χ²/NDF:10.7/9
Left: -755.084+/-344.211 χ²/NDF: 21.2/21
Right: 428.642+/-456.500 χ²/NDF: 30.0/34
In: -125.462+/-395.686 χ²/NDF:34.7/25
Out: -512.976+/-382.030 χ²/NDF:20.3/30
All: -326.022+/-274.837 χ²/NDF: 55.5/56

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1467.562+/-0.336 χ^2/NDF:31313.5/11

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1473.341+/-0.353 χ^2/NDF:17683.2/9

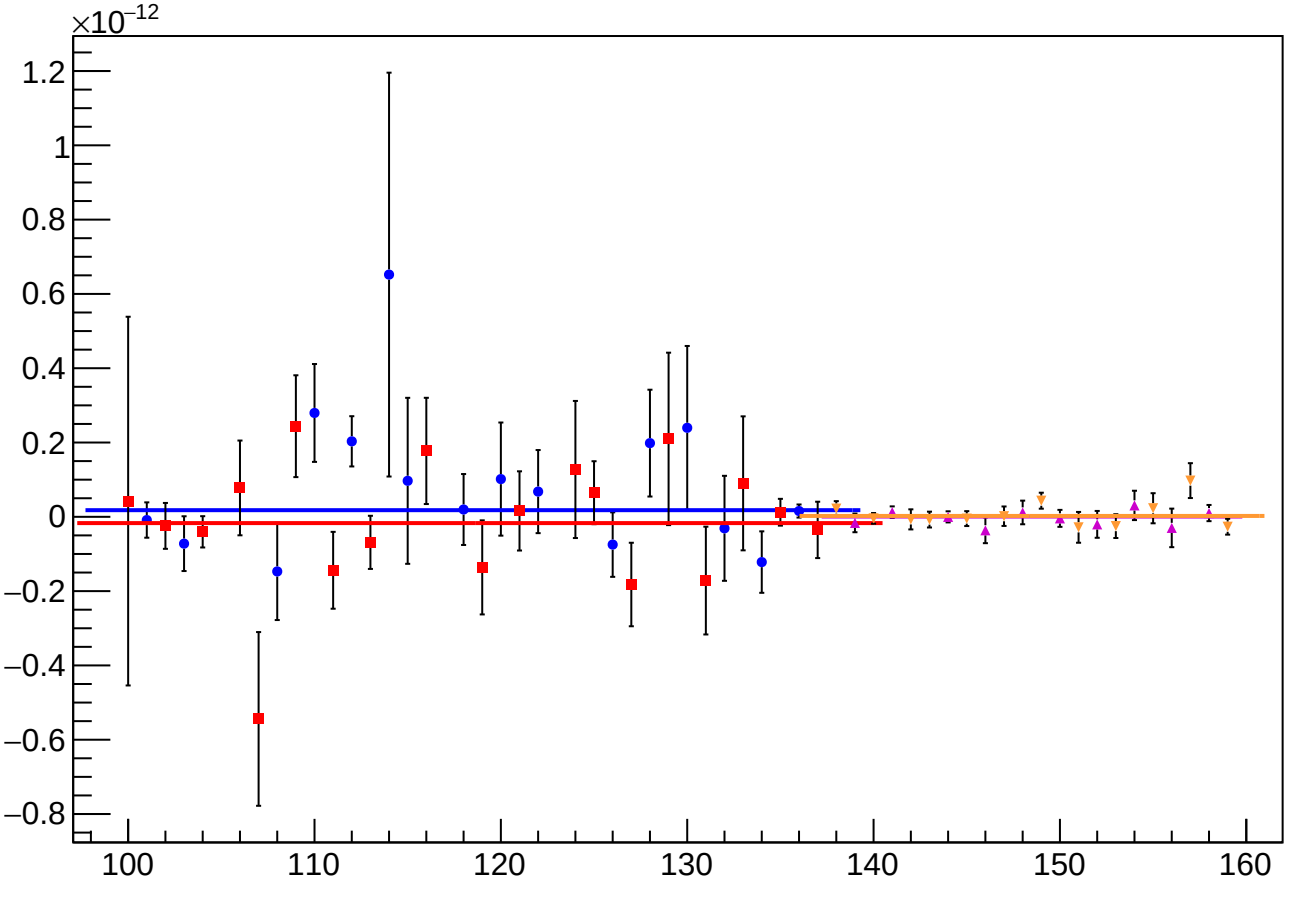
Left: 1470.311+/-0.243 χ^2/NDF: 49137.2/21

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1557.282+/-0.280 χ^2/NDF:932093.5/25

Out: 1556.634+/-0.270 χ^2/NDF:463375.8/30

All: 1556.947+/-0.194 χ^2/NDF: 1395472.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/9

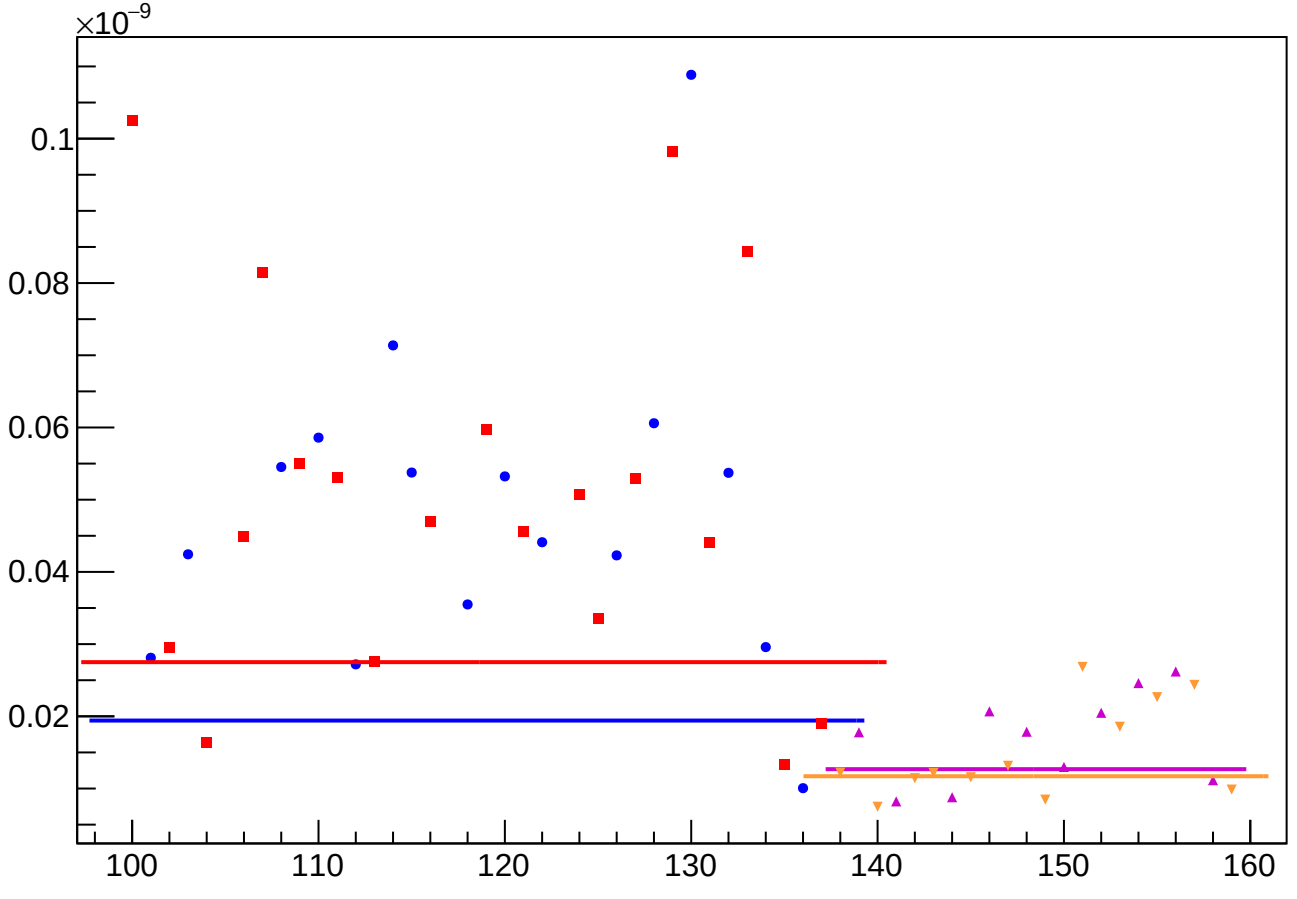
Left: 0.000+/-0.000 χ^2/NDF: 16.6/21

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:28.5/25

Out: 0.000+/-0.000 χ^2/NDF:35.0/30

All: 0.000+/-0.000 χ^2/NDF: 63.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:892317.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:964159.1/9

Left: 0.000+/-0.000 χ^2/NDF: 1875365.7/21

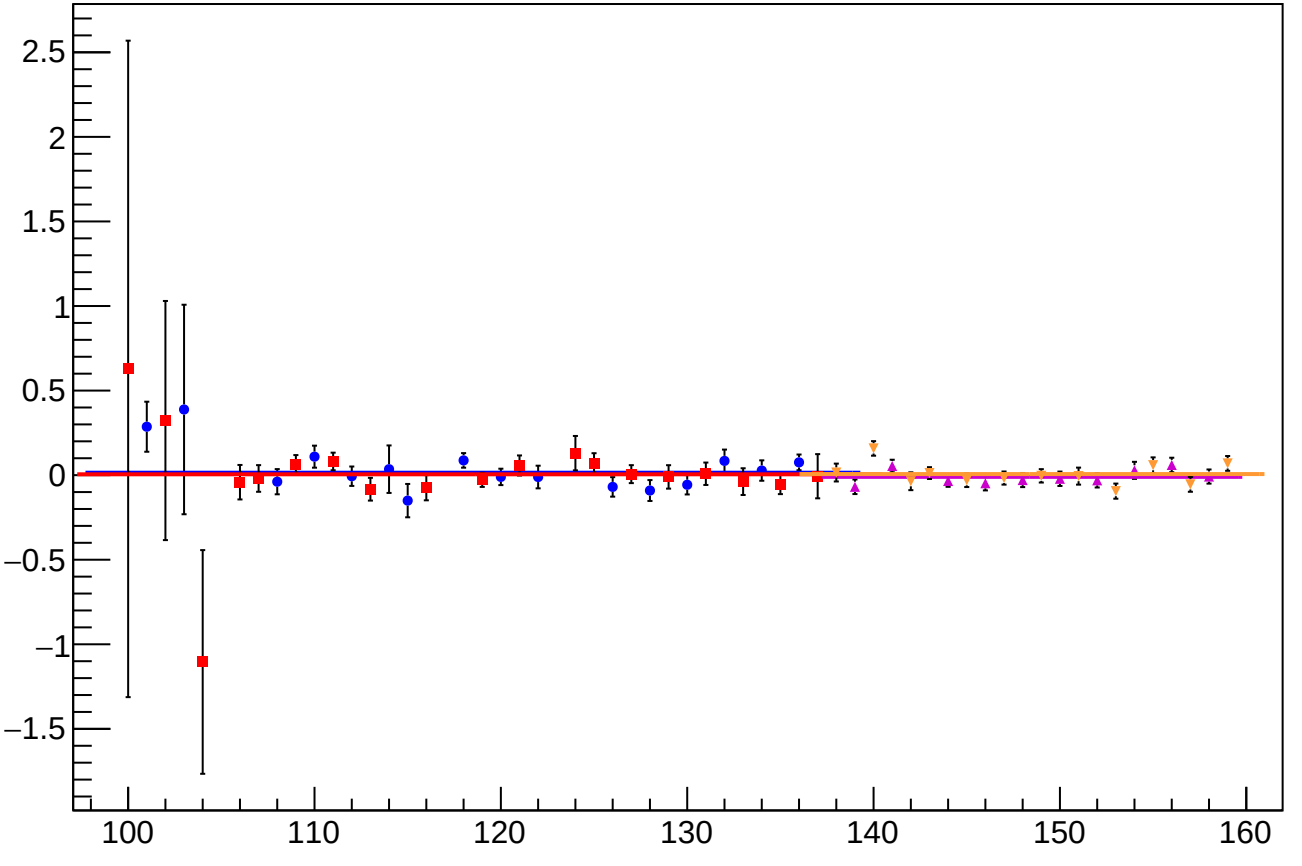
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3583708.4/25

Out: 0.000+/-0.000 χ^2/NDF:3757777.7/30

All: 0.000+/-0.000 χ^2/NDF: 7351690.6/56

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.012 χ^2/NDF:24.9/11

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

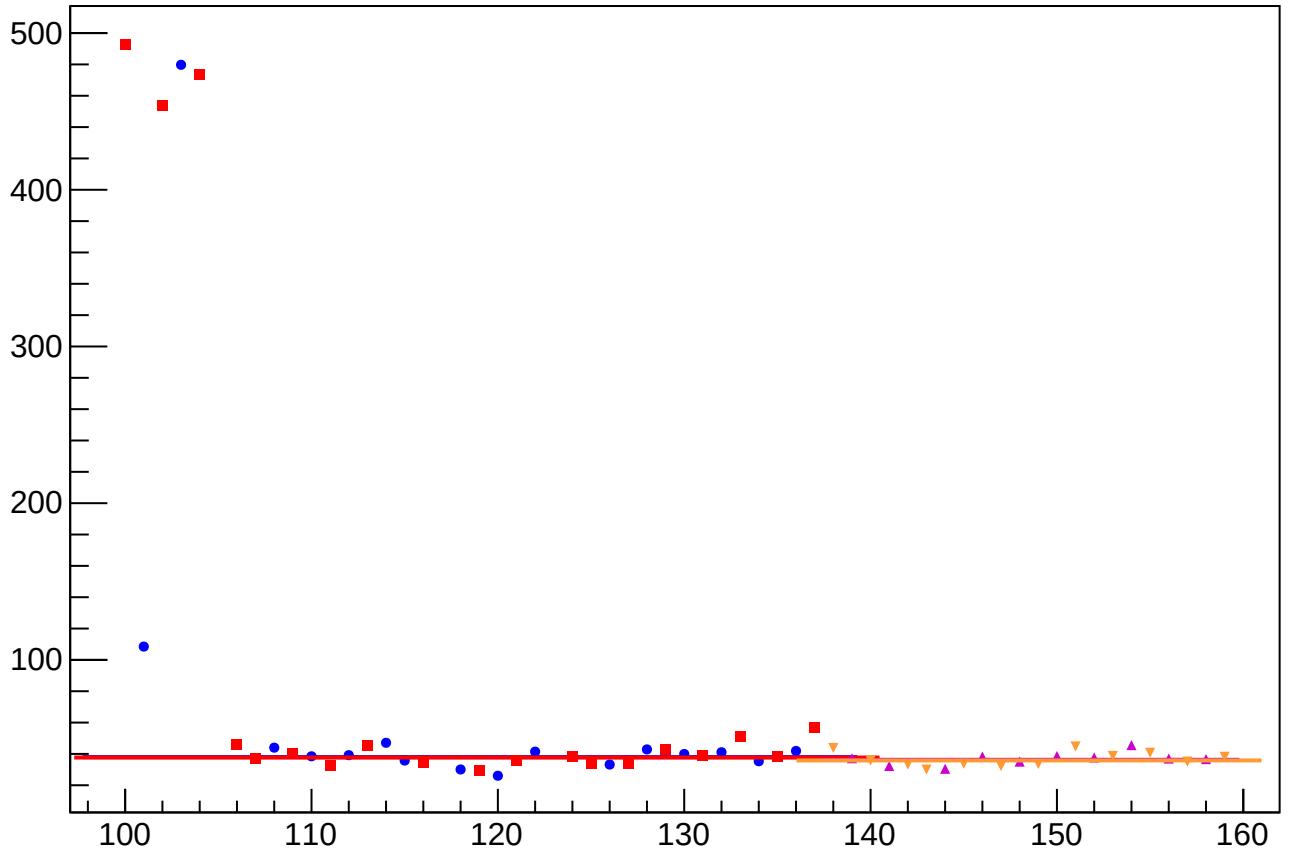
Left: -0.001+/-0.009 χ^2/NDF: 35.7/21

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.003+/-0.007 χ^2/NDF: 73.4/56



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.833+/-0.009 χ^2/NDF:235617.8/11

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

Left: 36.027+/-0.006 χ^2/NDF: 400840.7/21

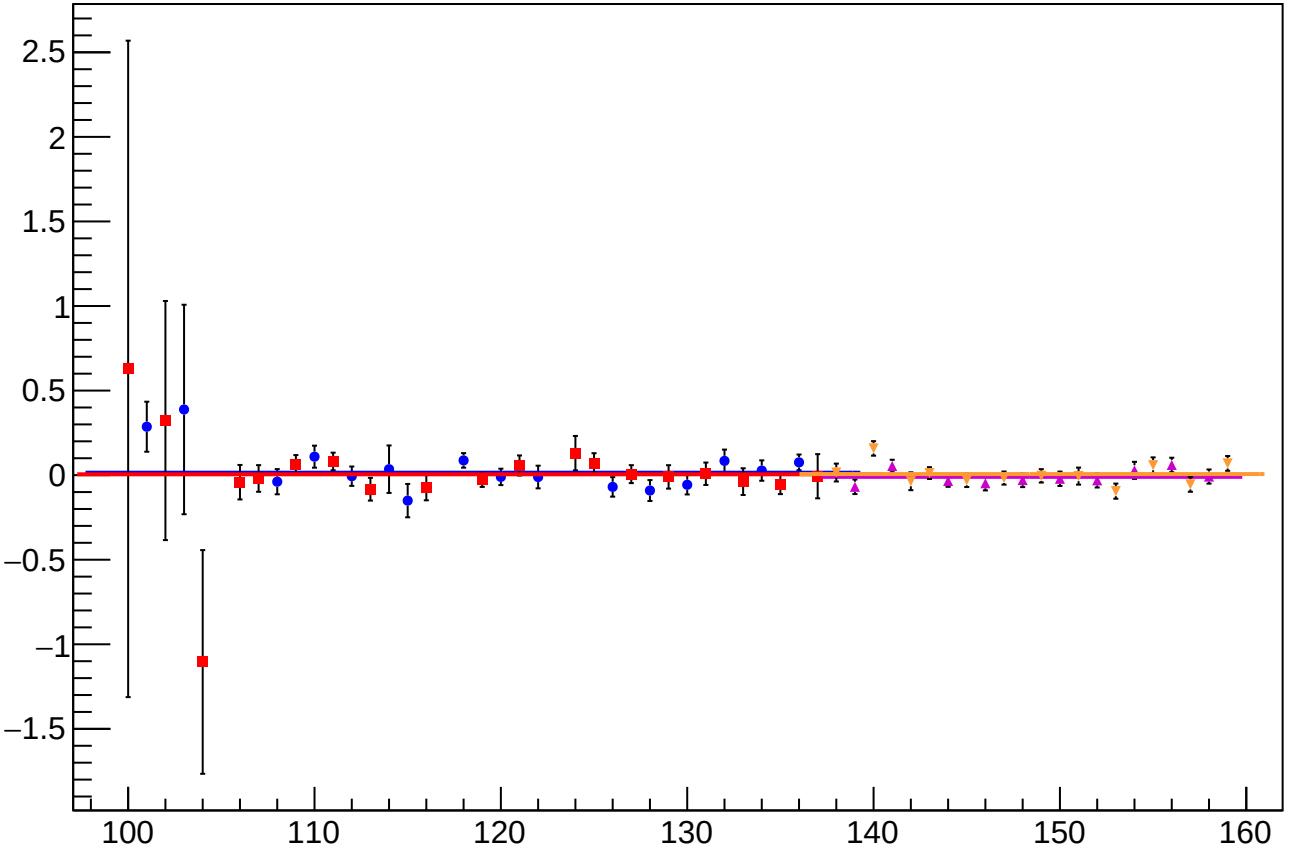
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.925+/-0.007 χ^2/NDF:1917514.5/25

Out: 36.535+/-0.007 χ^2/NDF:2197287.0/30

All: 36.725+/-0.005 χ^2/NDF: 4116325.4/56

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.012 χ^2/NDF:24.9/11

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

Left: -0.001+/-0.009 χ^2/NDF: 35.7/21

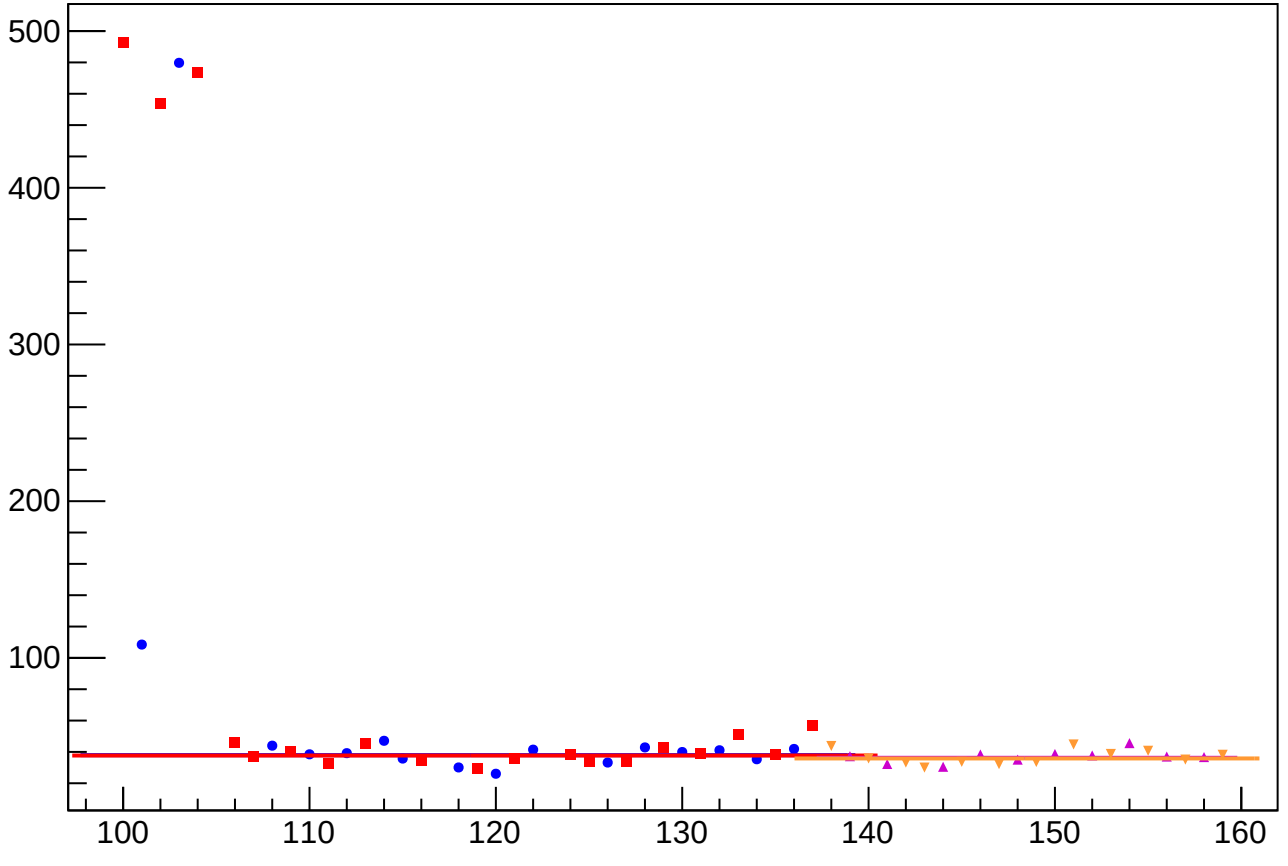
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.003+/-0.007 χ^2/NDF: 73.4/56

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.833+/-0.009 χ^2/NDF:235617.8/11

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

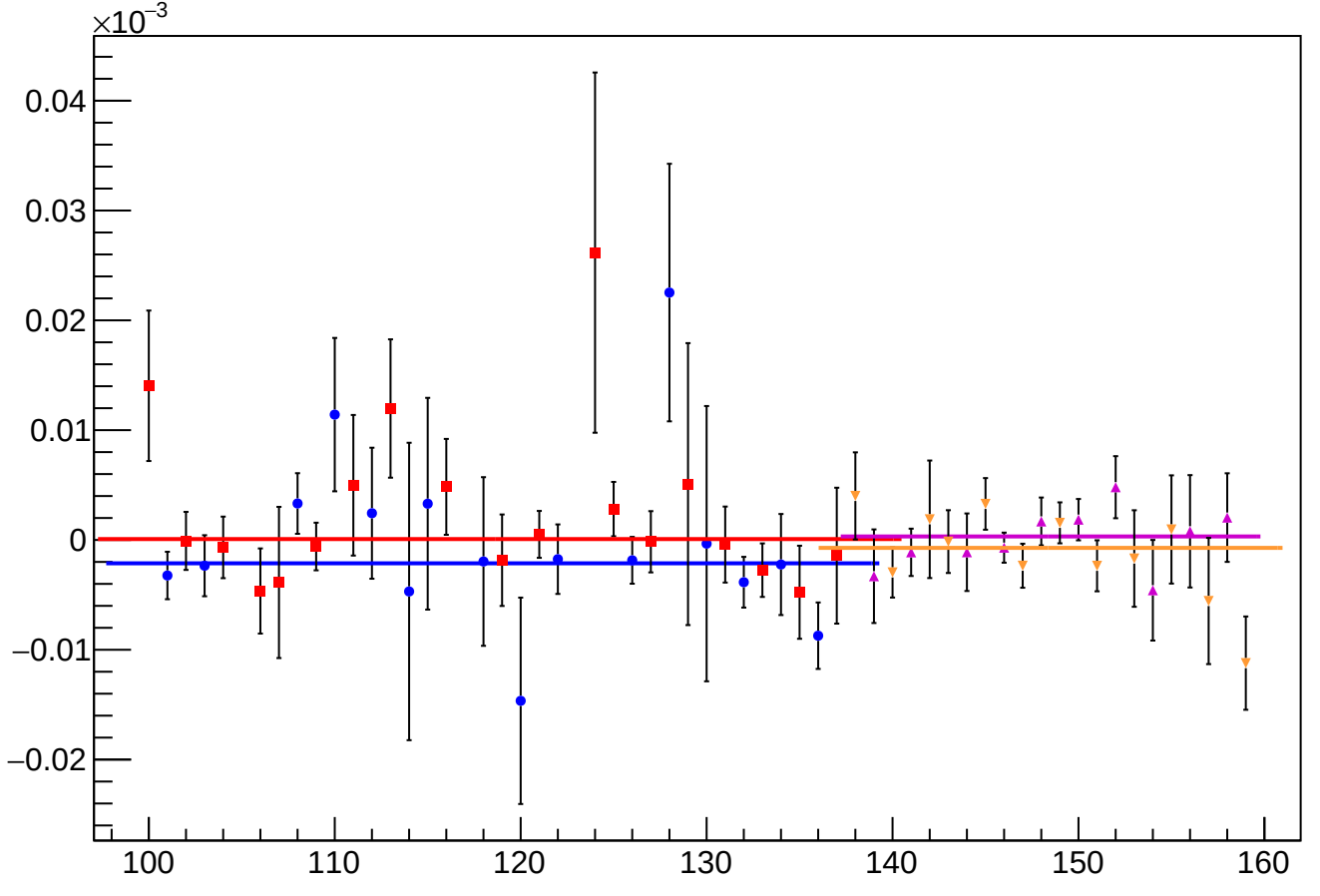
Left: 36.027+/-0.006 χ^2/NDF: 400840.7/21

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.925+/-0.007 χ^2/NDF:1917514.5/25

Out: 36.535+/-0.007 χ^2/NDF:2197287.0/30

All: 36.725+/-0.005 χ^2/NDF: 4116325.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/9

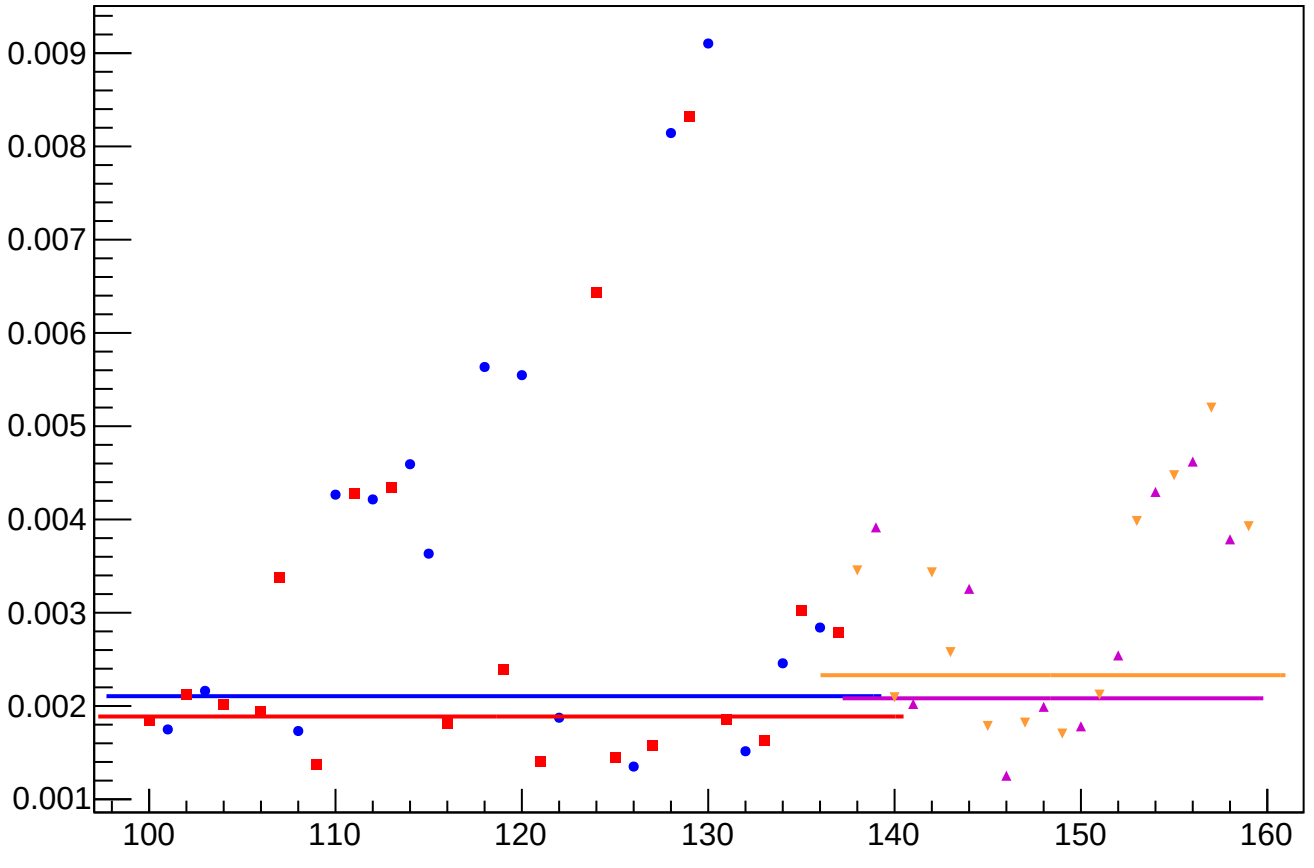
Left: -0.000+/-0.000 χ^2/NDF: 22.8/21

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:31.5/25

Out: -0.000+/-0.000 χ^2/NDF:34.1/30

All: -0.000+/-0.000 χ^2/NDF: 65.8/56



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2201819.9/11

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2751547.8/9

Left: 0.002+/-0.000 χ^2/NDF: 5049725.9/21

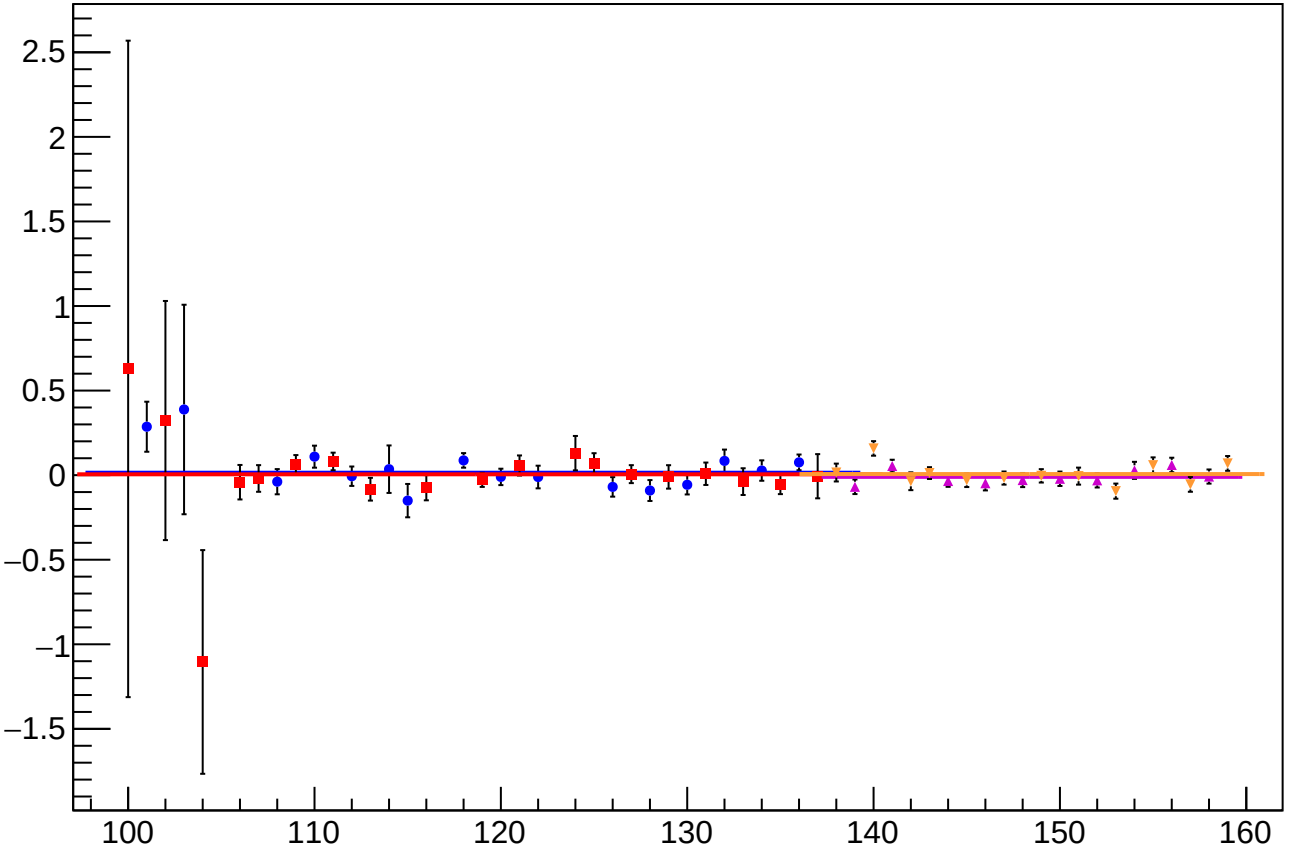
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:5769856.9/25

Out: 0.002+/-0.000 χ^2/NDF:4397753.9/30

All: 0.002+/-0.000 χ^2/NDF: 10167823.9/56

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.012 χ^2/NDF:24.9/11

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

Left: -0.001+/-0.009 χ^2/NDF: 35.7/21

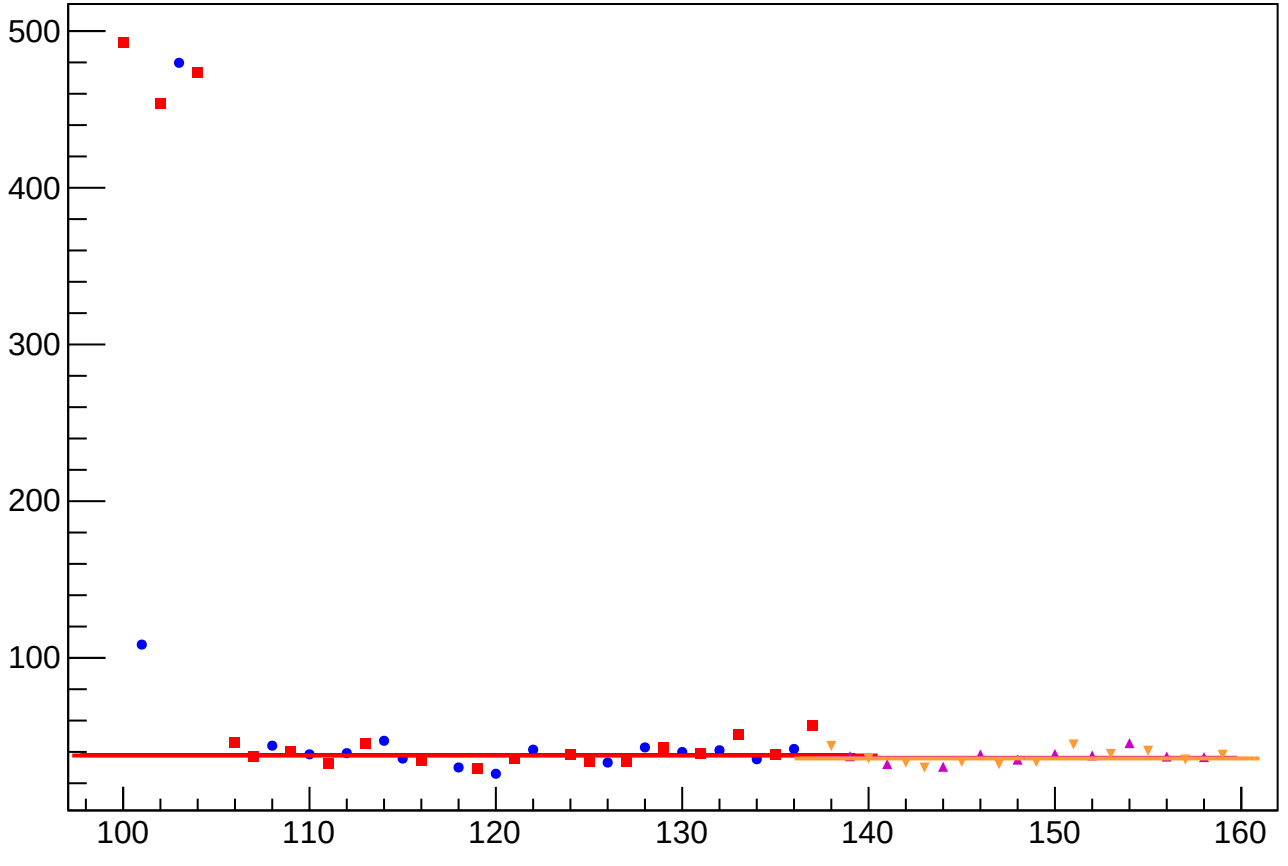
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.003+/-0.007 χ^2/NDF: 73.4/56

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.833+/-0.009 χ^2/NDF:235669.9/11

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

Left: 36.027+/-0.006 χ^2/NDF: 400932.2/21

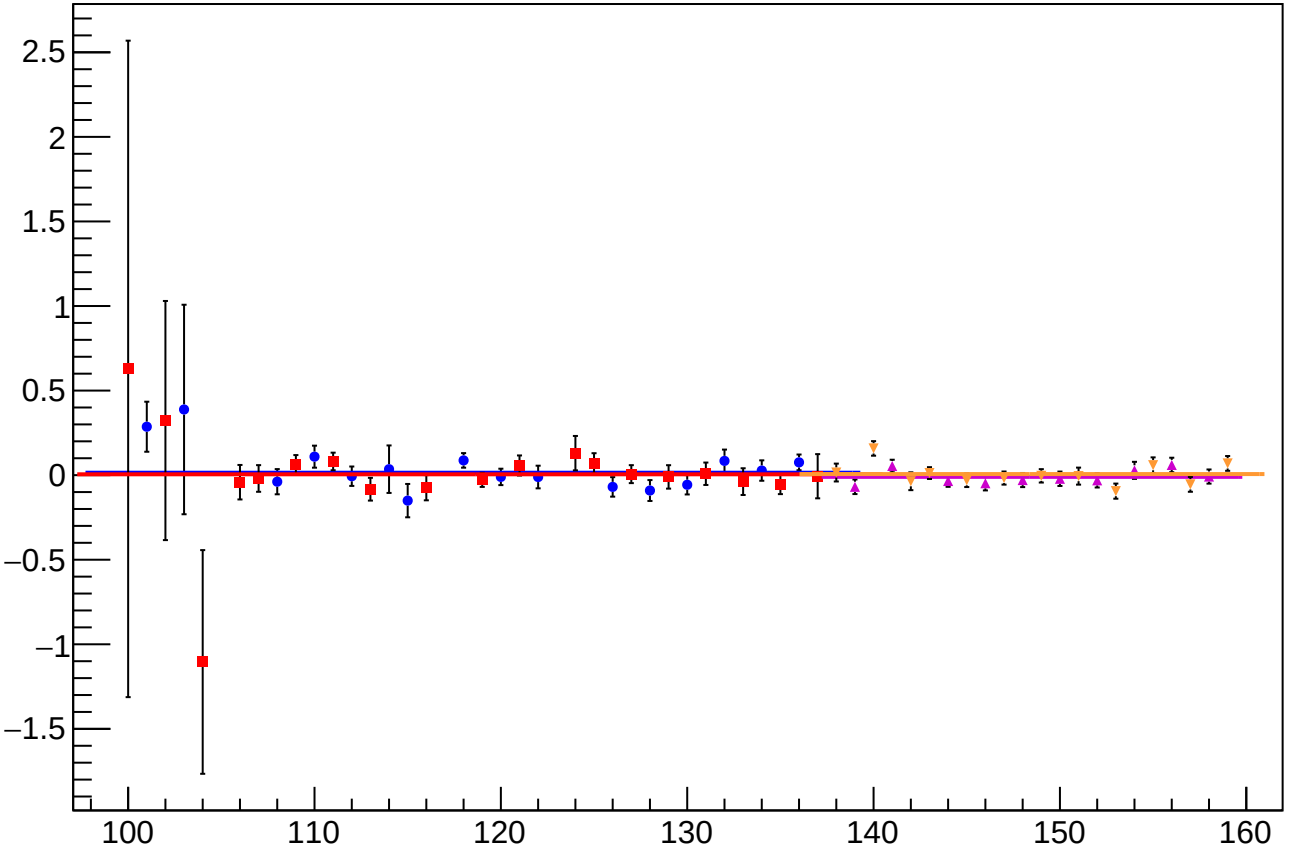
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.925+/-0.007 χ^2/NDF:1917562.3/25

Out: 36.535+/-0.007 χ^2/NDF:2197396.8/30

All: 36.725+/-0.005 χ^2/NDF: 4116484.1/56

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: 0.006+/-0.012 χ^2/NDF:24.9/11

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

Left: -0.001+/-0.009 χ^2/NDF: 35.7/21

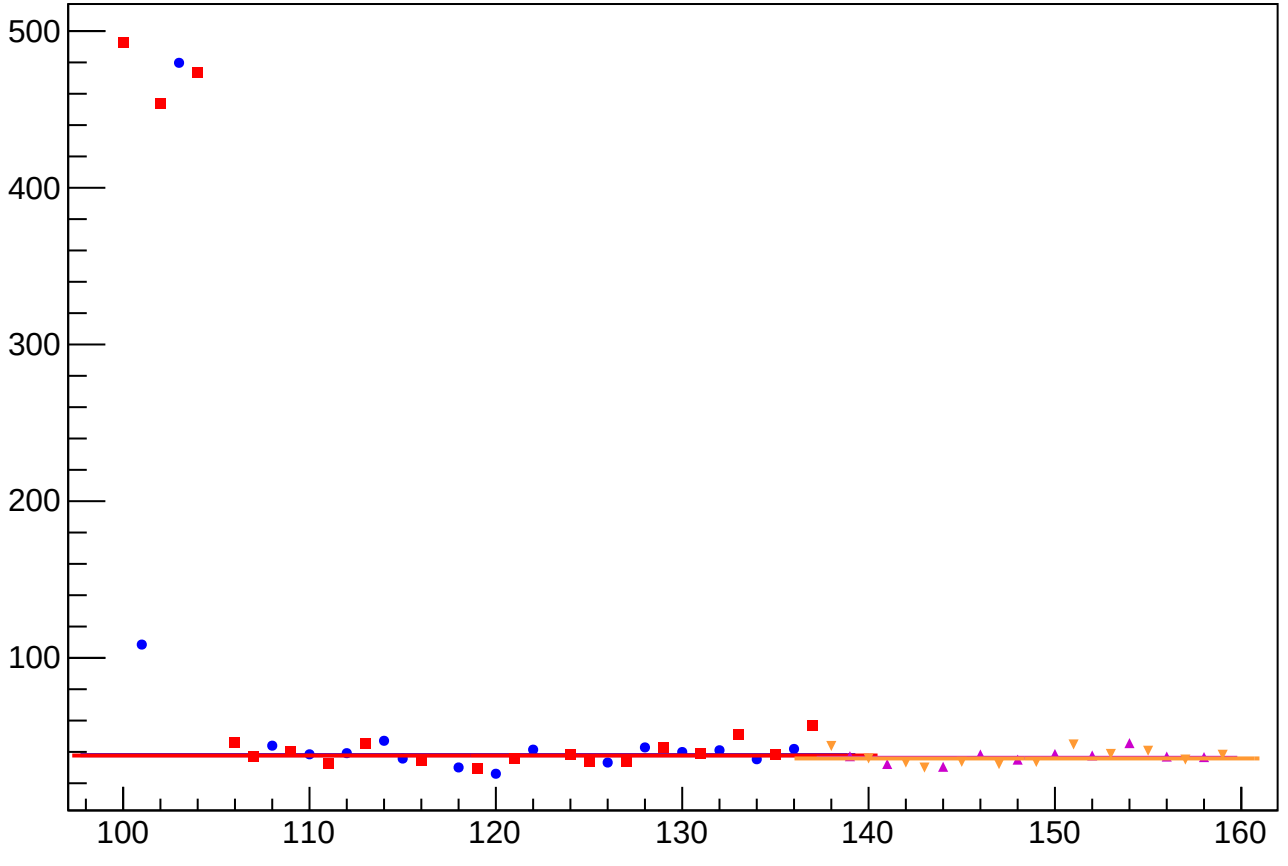
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.003+/-0.007 χ^2/NDF: 73.4/56

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.833+/-0.009 χ^2/NDF:235669.9/11

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

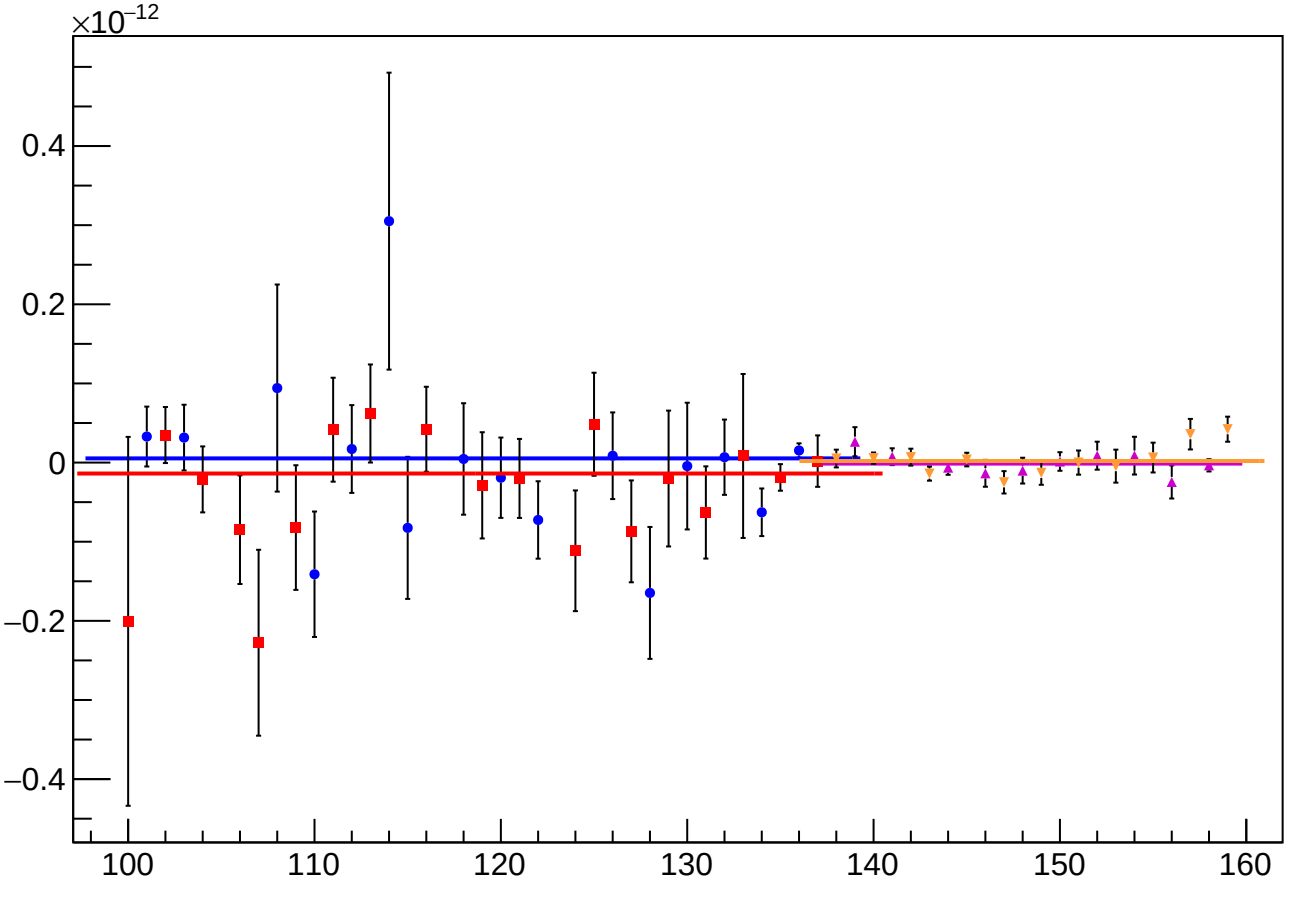
Left: 36.027+/-0.006 χ^2/NDF: 400932.2/21

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.925+/-0.007 χ^2/NDF:1917562.3/25

Out: 36.535+/-0.007 χ^2/NDF:2197396.8/30

All: 36.725+/-0.005 χ^2/NDF: 4116484.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/11

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

Left In: -0.000+/-0.000 χ^2/NDF:5.9/9

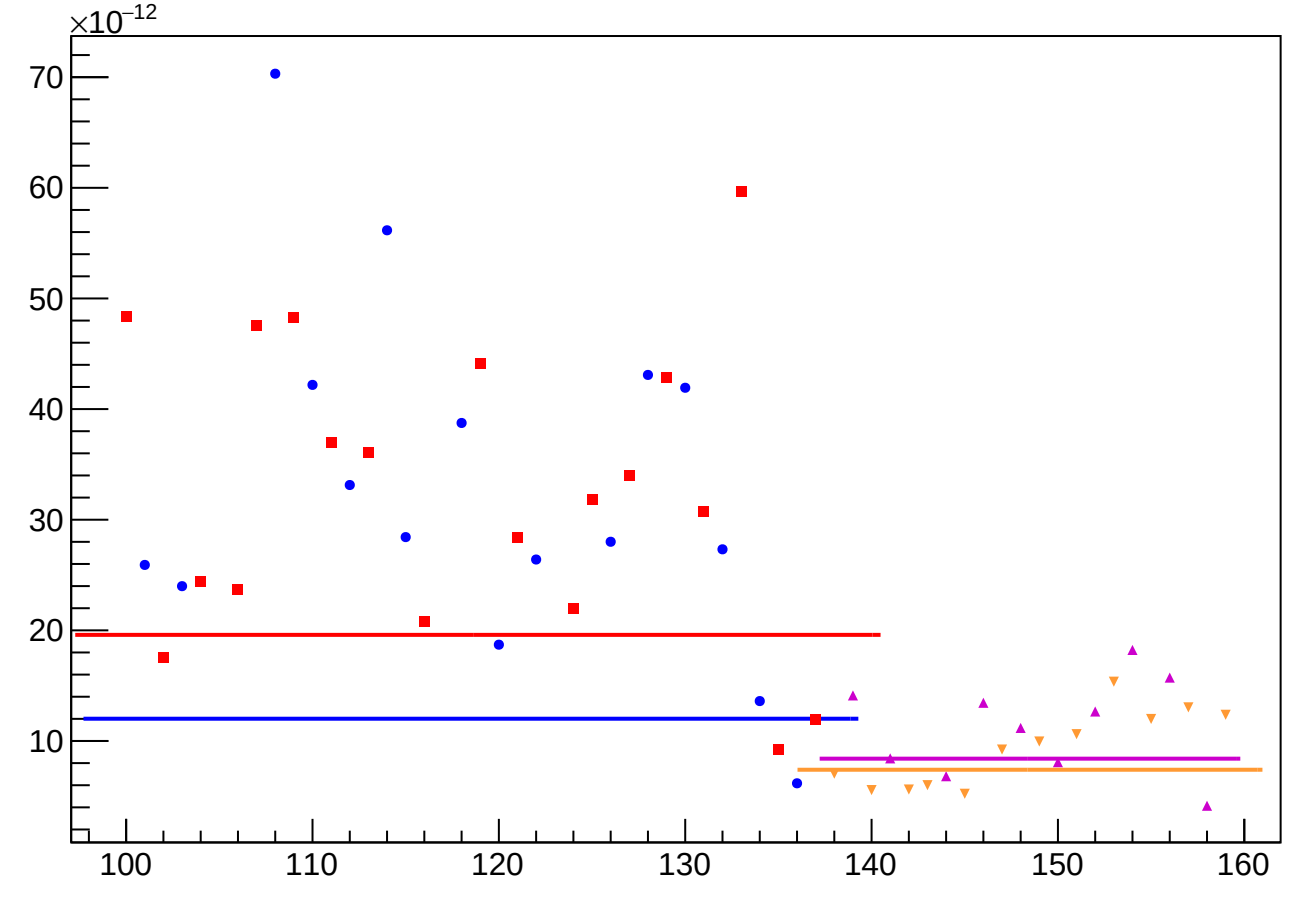
Left: 0.000+/-0.000 χ^2/NDF: 24.4/21

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.2/25

Out: 0.000+/-0.000 χ^2/NDF:36.1/30

All: 0.000+/-0.000 χ^2/NDF: 64.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1320914.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1796596.4/9

Left: 0.000+/-0.000 χ^2/NDF: 3190487.3/21

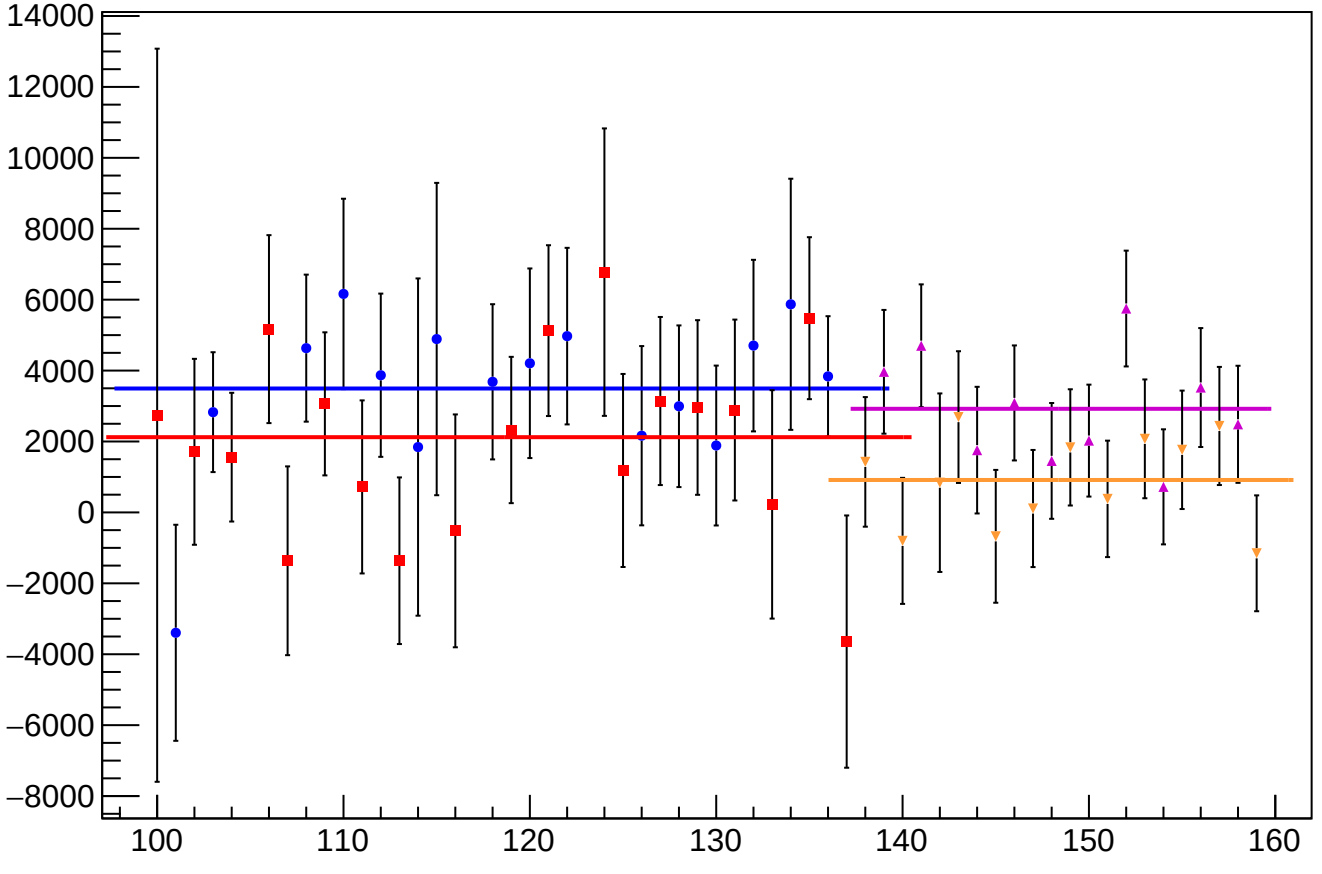
Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6022158.2/25

Out: 0.000+/-0.000 χ^2/NDF:6358176.9/30

All: 0.000+/-0.000 χ^2/NDF: 12418069.2/56

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 914.683+/-505.840 χ^2/NDF:6.5/11

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2921.948+/-526.364 χ^2/NDF:8.0/9

Left: 1878.420+/-364.723 χ^2/NDF: 22.1/21

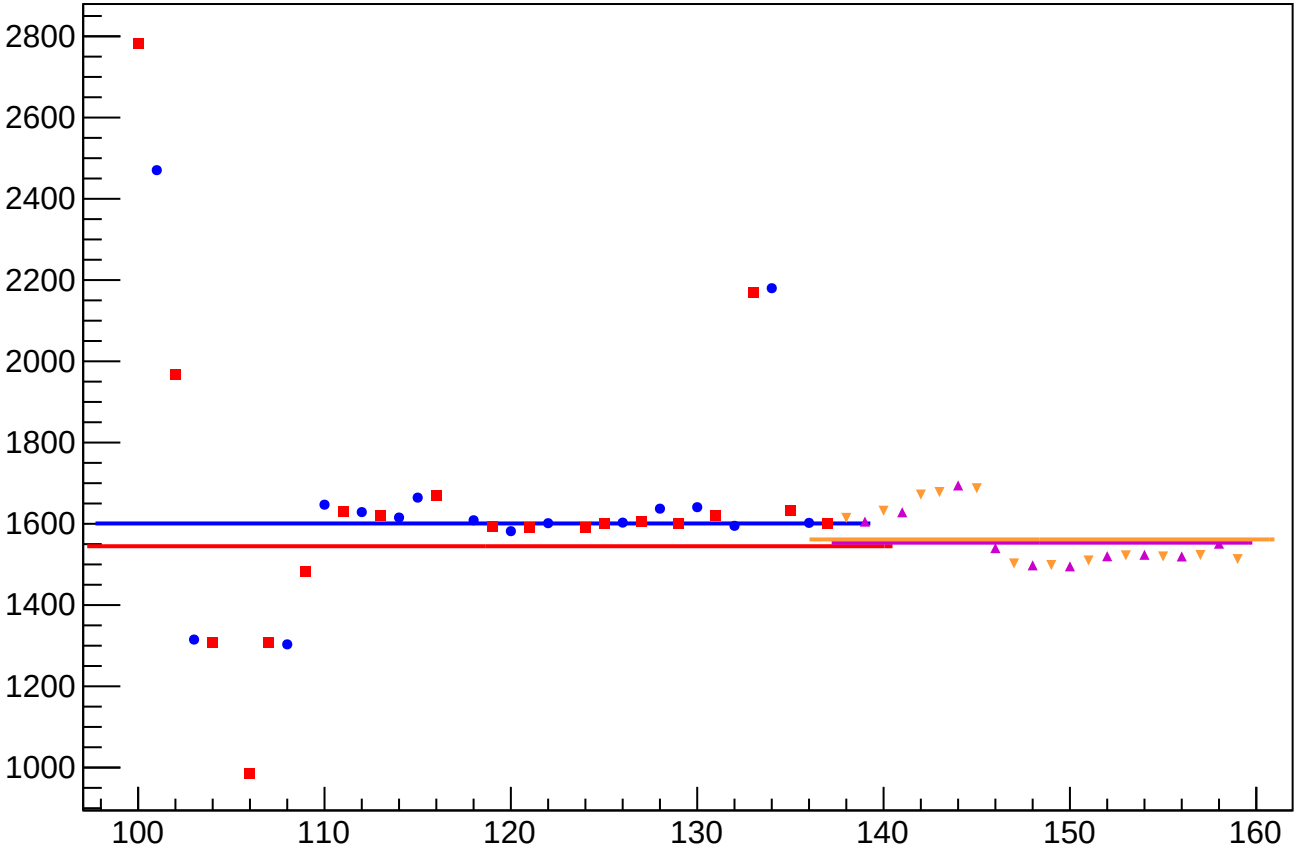
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3170.345+/-396.022 χ^2/NDF:17.3/25

Out: 1428.432+/-383.362 χ^2/NDF:24.0/30

All: 2271.101+/-275.445 χ^2/NDF: 51.3/56

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1561.514+/-0.358 χ^2/NDF:38312.2/11

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

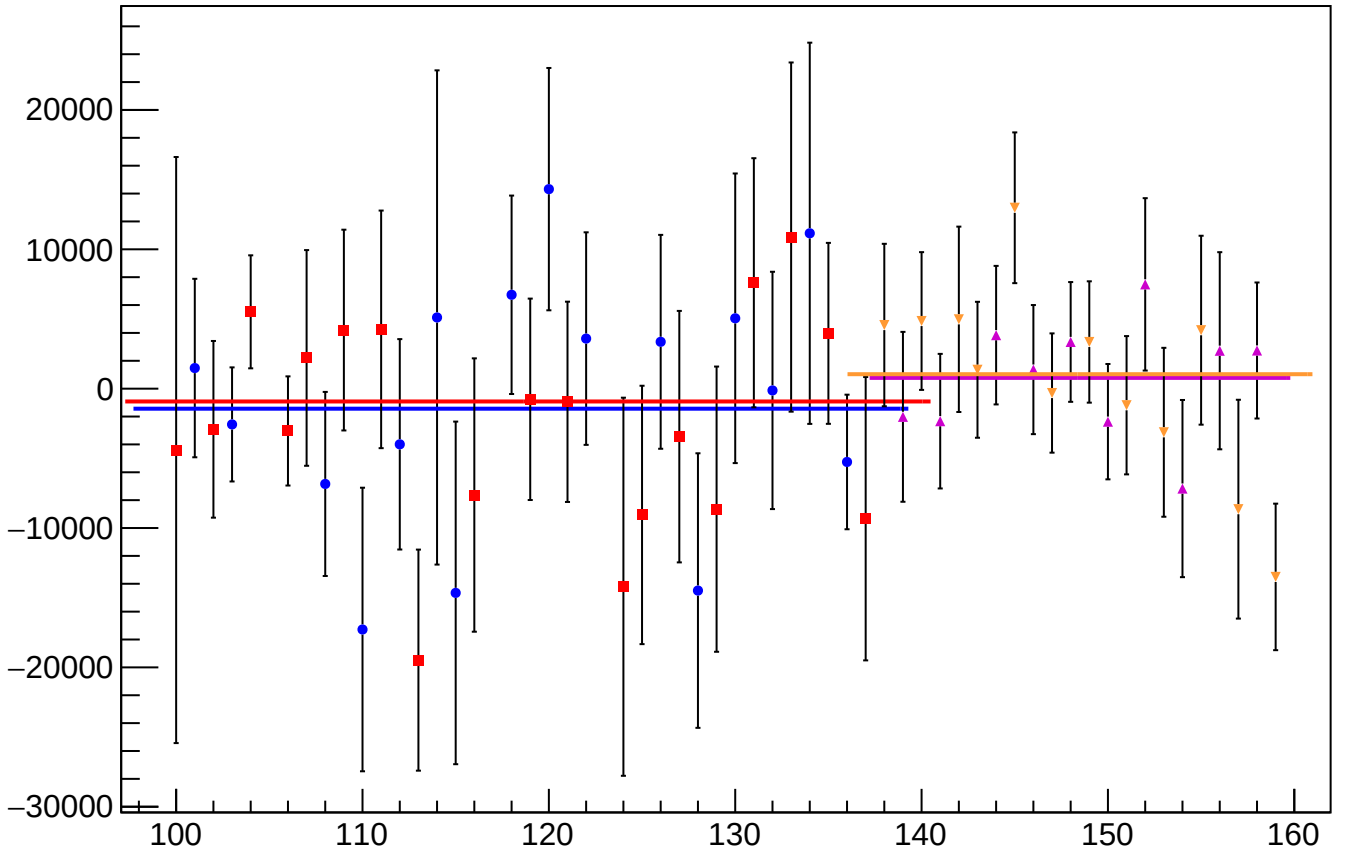
Left: 1557.719+/-0.258 χ^2/NDF: 64025.8/21

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1574.122+/-0.280 χ^2/NDF:349892.1/25

Out: 1554.266+/-0.269 χ^2/NDF:415386.0/30

All: 1563.800+/-0.194 χ^2/NDF: 767891.8/56



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1038.193+/-1545.691 χ^2/NDF:16.6/11

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 773.765+/-1617.409 χ^2/NDF:4.9/9

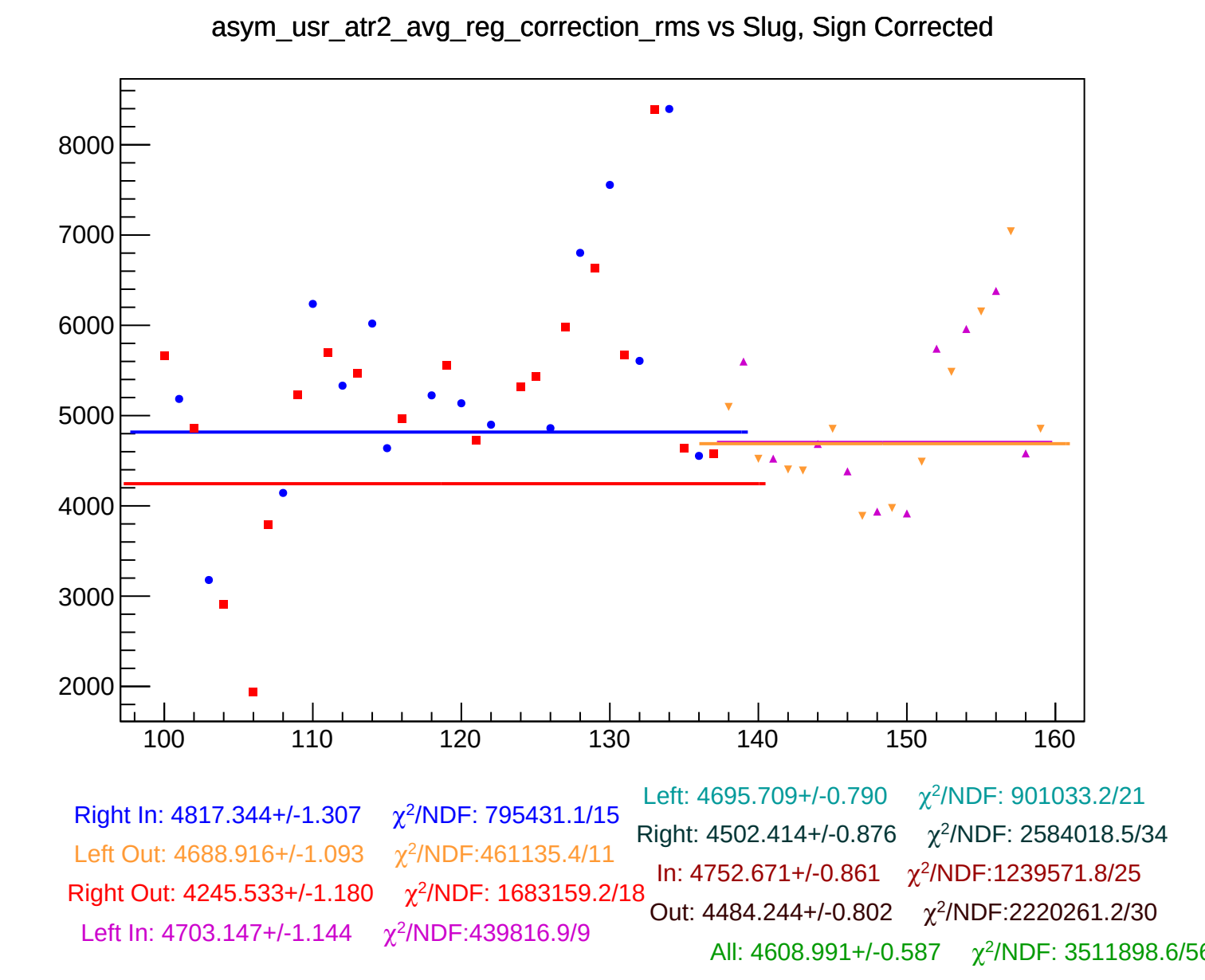
Left: 911.971+/-1117.462 χ^2/NDF: 21.6/21

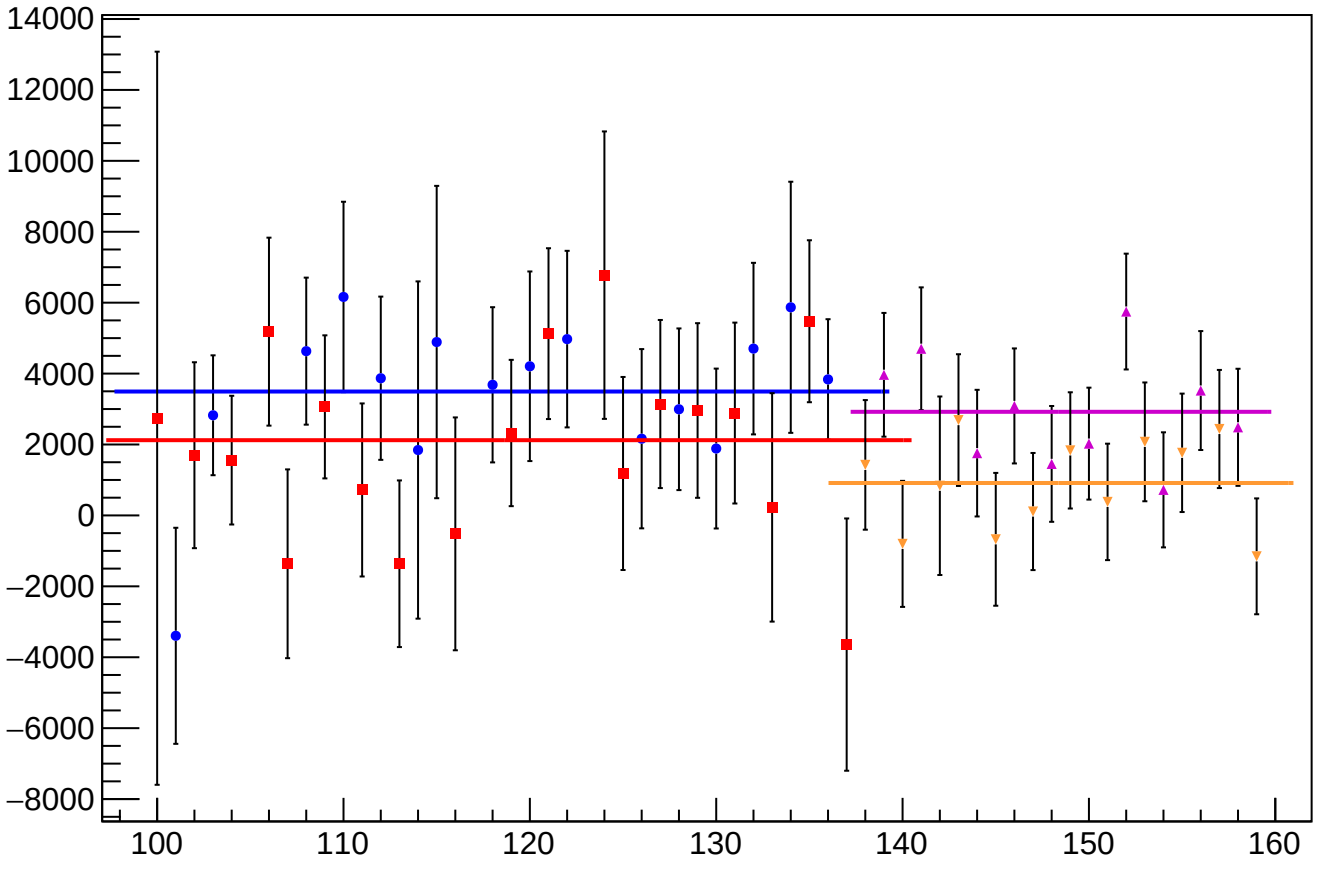
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -185.042+/-1217.173 χ^2/NDF:19.6/25

Out: 134.960+/-1134.146 χ^2/NDF:32.7/30

All: -13.756+/-829.763 χ^2/NDF: 52.4/56


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4688.916+/-1.093 χ²/NDF:461135.4/11
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4703.147+/-1.144 χ²/NDF:439816.9/9
Left: 4695.709+/-0.790 χ²/NDF: 901033.2/21
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4752.671+/-0.861 χ²/NDF:1239571.8/25
Out: 4484.244+/-0.802 χ²/NDF:2220261.2/30
All: 4608.991+/-0.587 χ²/NDF: 3511898.6/56



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 914.490+/-505.840 χ^2/NDF:6.5/11

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2922.010+/-526.364 χ^2/NDF:8.0/9

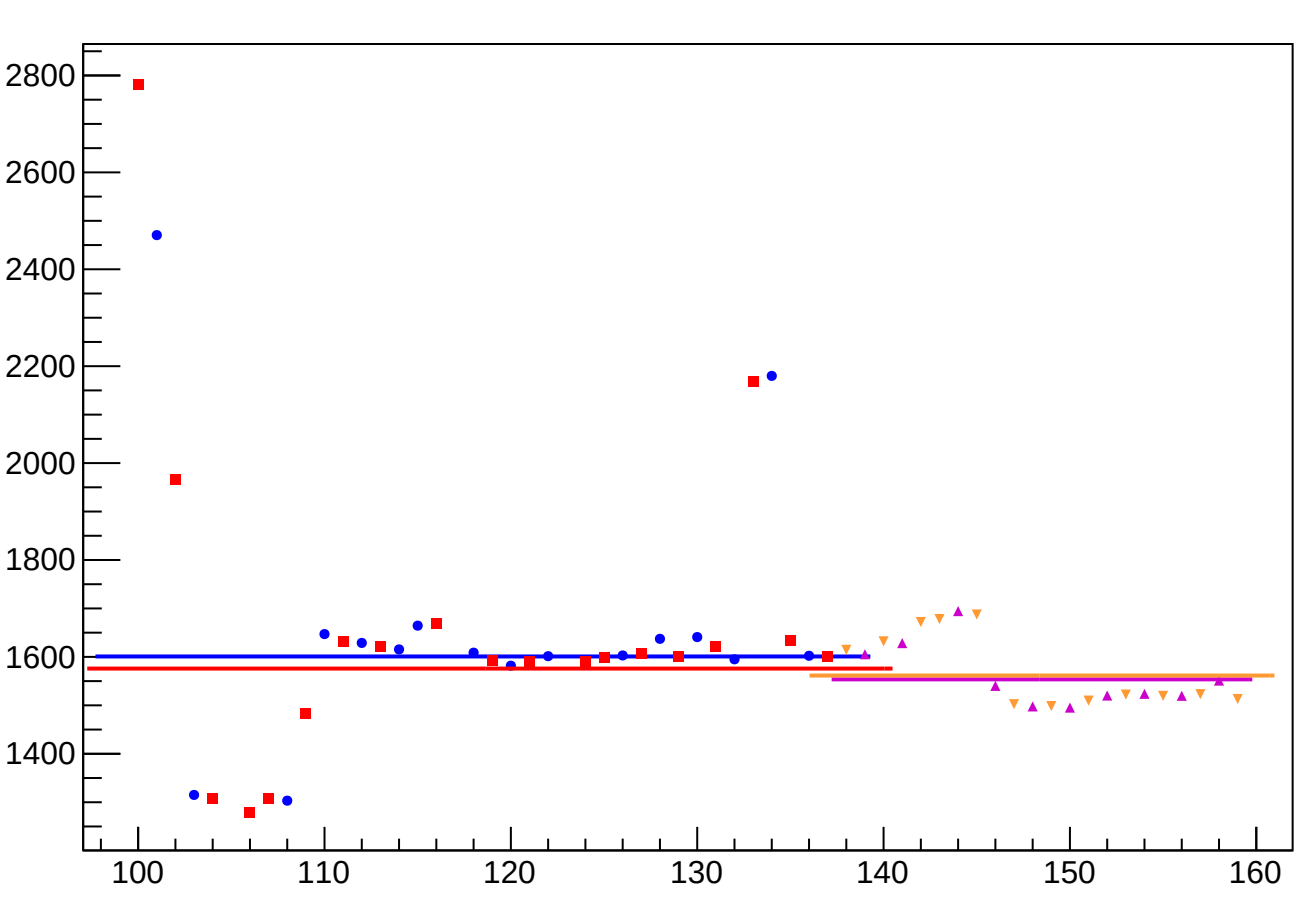
Left: 1878.350+/-364.723 χ^2/NDF: 22.1/21

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3170.236+/-396.022 χ^2/NDF:17.3/25

Out: 1428.314+/-383.363 χ^2/NDF:24.0/30

All: 2270.989+/-275.445 χ^2/NDF: 51.3/56



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1561.514+/-0.358 χ^2/NDF:38312.2/11

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

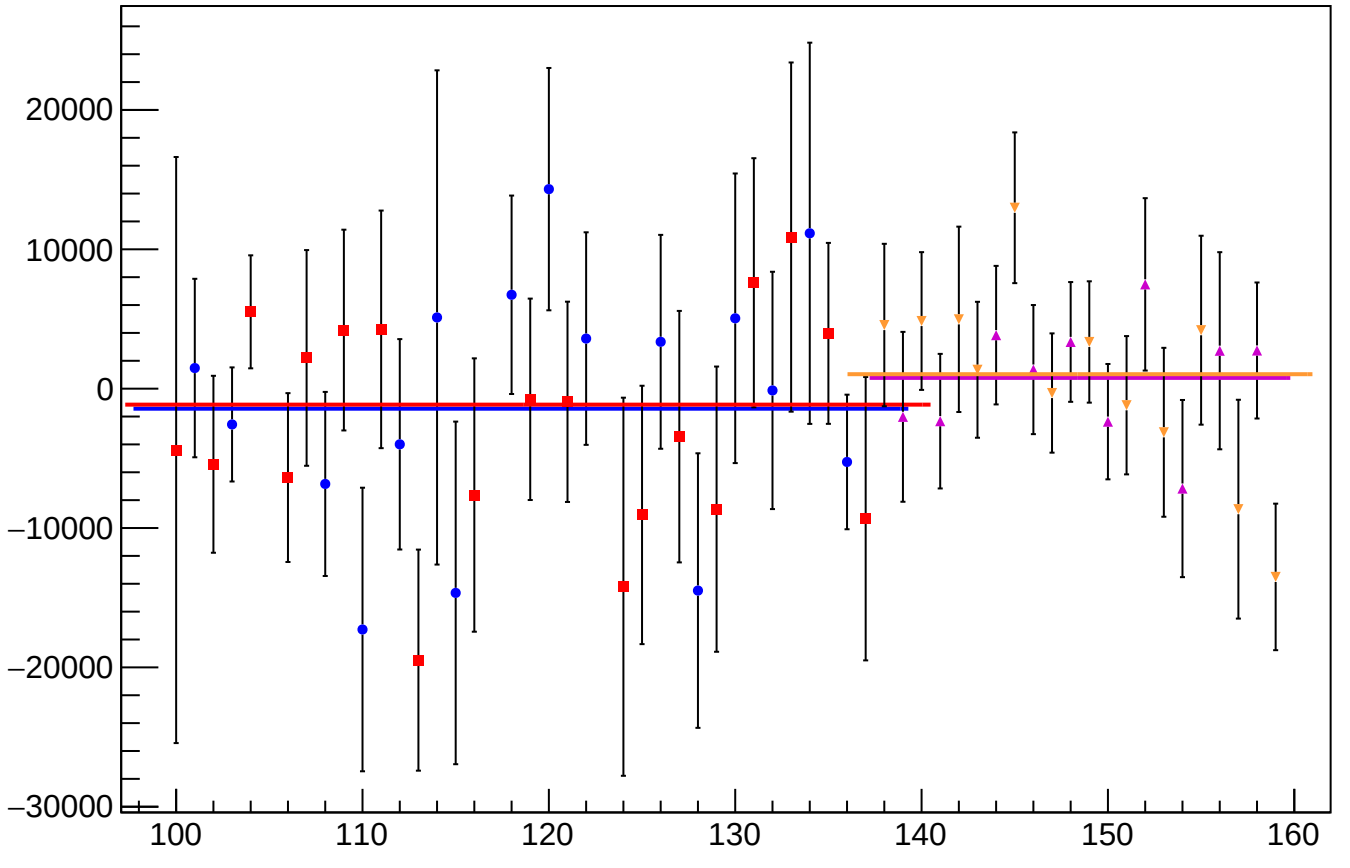
Left: 1557.719+/-0.258 χ^2/NDF: 64025.8/21

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1574.122+/-0.280 χ^2/NDF:349891.4/25

Out: 1567.665+/-0.271 χ^2/NDF:282335.9/30

All: 1570.783+/-0.195 χ^2/NDF: 632502.2/56



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1038.136+/-1545.688 χ^2/NDF:16.6/11

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 773.910+/-1617.409 χ^2/NDF:4.9/9

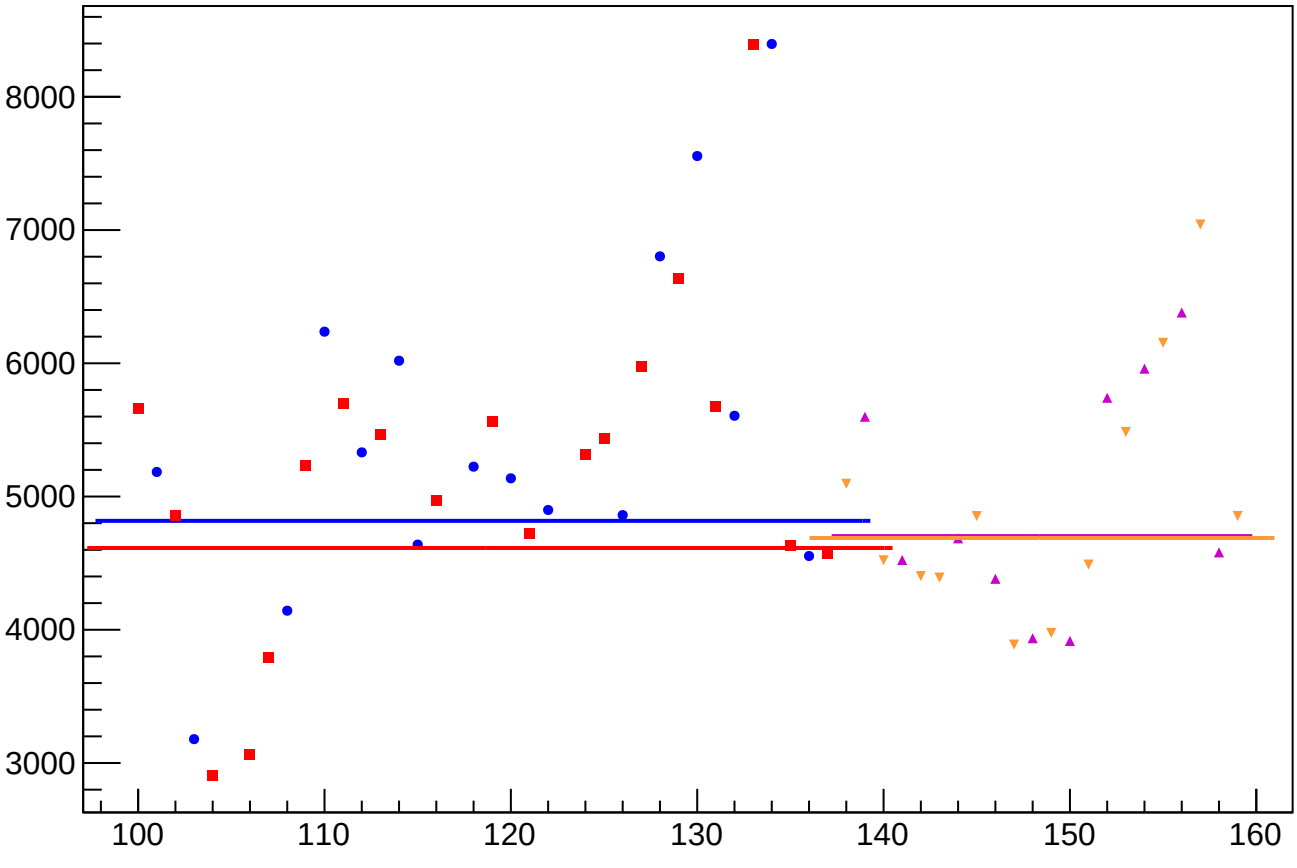
Left: 912.011+/-1117.461 χ^2/NDF: 21.6/21

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -185.044+/-1217.183 χ^2/NDF:19.6/25

Out: 90.279+/-1162.930 χ^2/NDF:33.8/30

All: -41.110+/-840.841 χ^2/NDF: 53.4/56



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4688.906+/-1.093 χ^2/NDF:461142.6/11

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

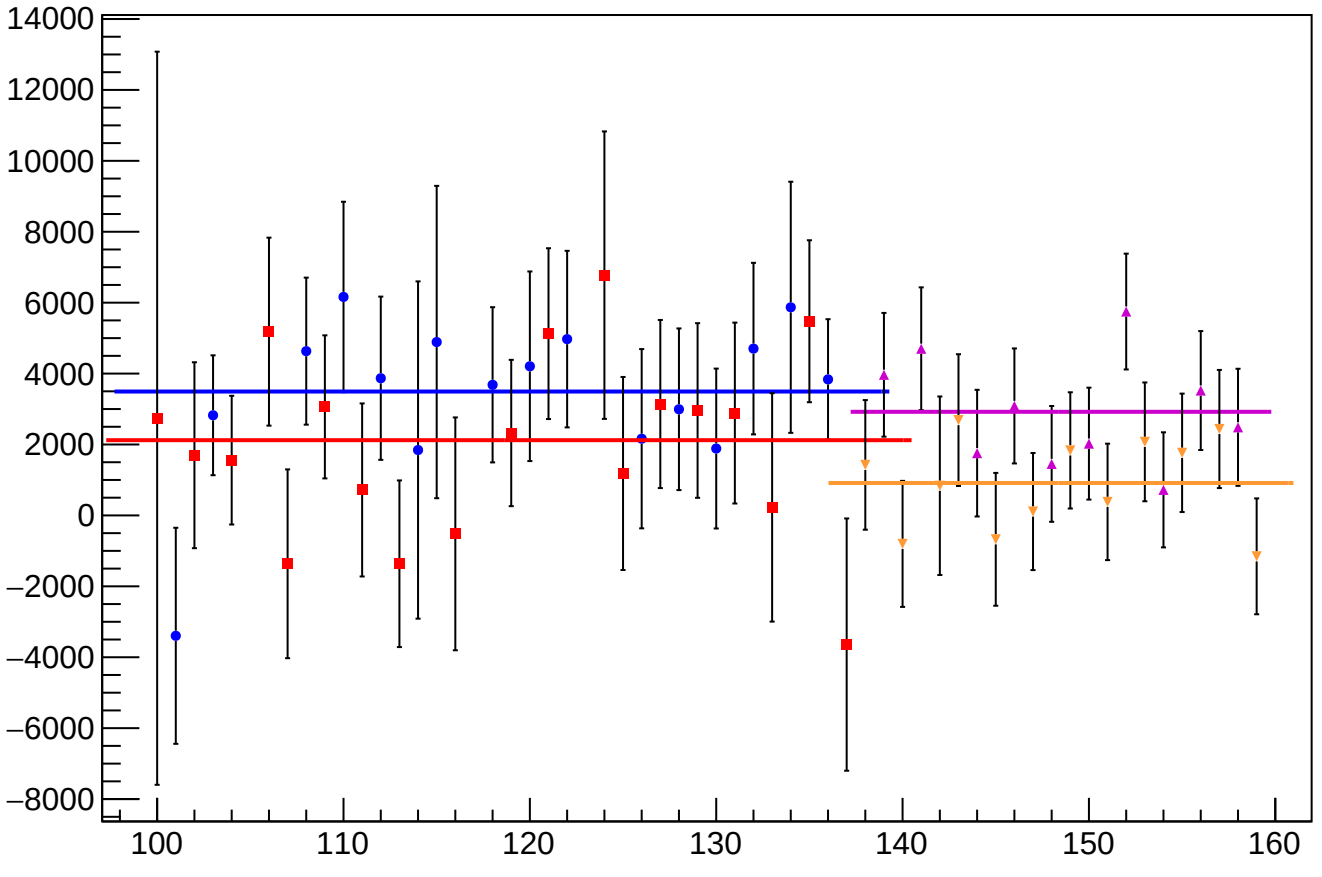
Left: 4695.703+/-0.790 χ^2/NDF: 901041.0/21

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4752.729+/-0.861 χ^2/NDF:1239384.7/25

Out: 4656.336+/-0.822 χ^2/NDF:1441147.1/30

All: 4702.337+/-0.595 χ^2/NDF: 2687089.1/56



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 914.490+/-505.840 χ^2/NDF:6.5/11

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2922.010+/-526.364 χ^2/NDF:8.0/9

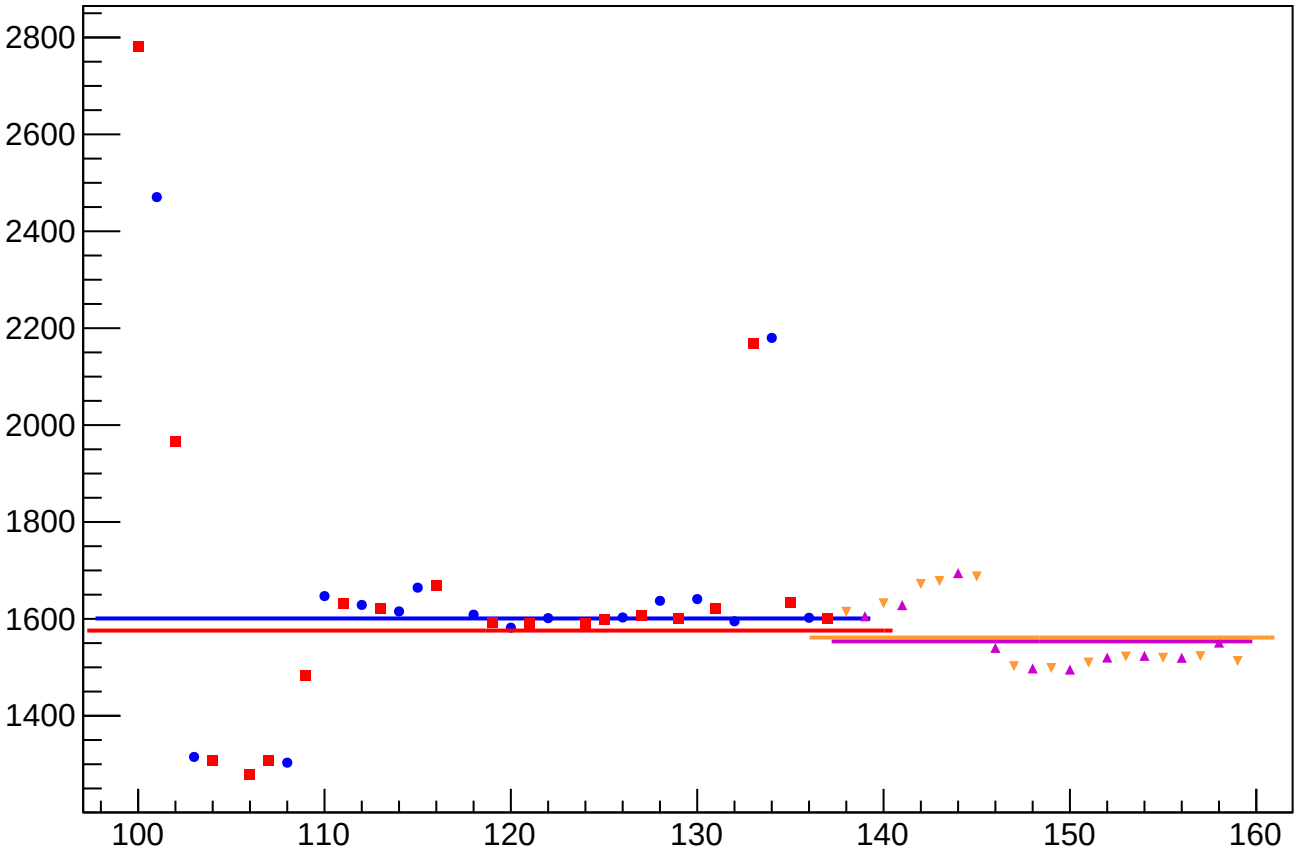
Left: 1878.350+/-364.723 χ^2/NDF: 22.1/21

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3170.236+/-396.022 χ^2/NDF:17.3/25

Out: 1428.314+/-383.363 χ^2/NDF:24.0/30

All: 2270.989+/-275.445 χ^2/NDF: 51.3/56



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1561.514+/-0.358 χ^2/NDF:38312.2/11

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

Left: 1557.719+/-0.258 χ^2/NDF: 64025.8/21

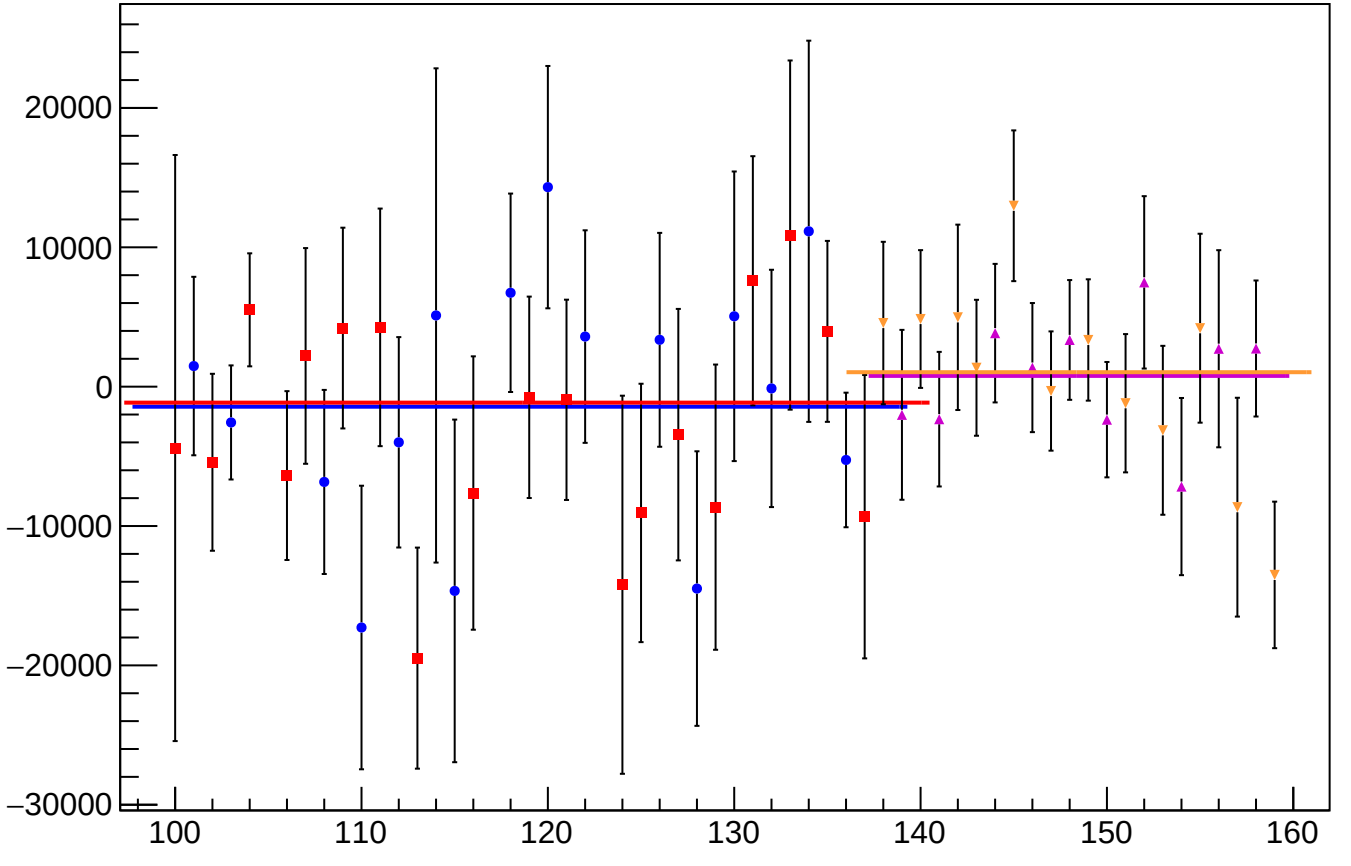
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1574.122+/-0.280 χ^2/NDF:349891.4/25

Out: 1567.665+/-0.271 χ^2/NDF:282335.9/30

All: 1570.783+/-0.195 χ^2/NDF: 632502.2/56

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1038.136+/-1545.688 χ^2/NDF:16.6/11

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 773.910+/-1617.409 χ^2/NDF:4.9/9

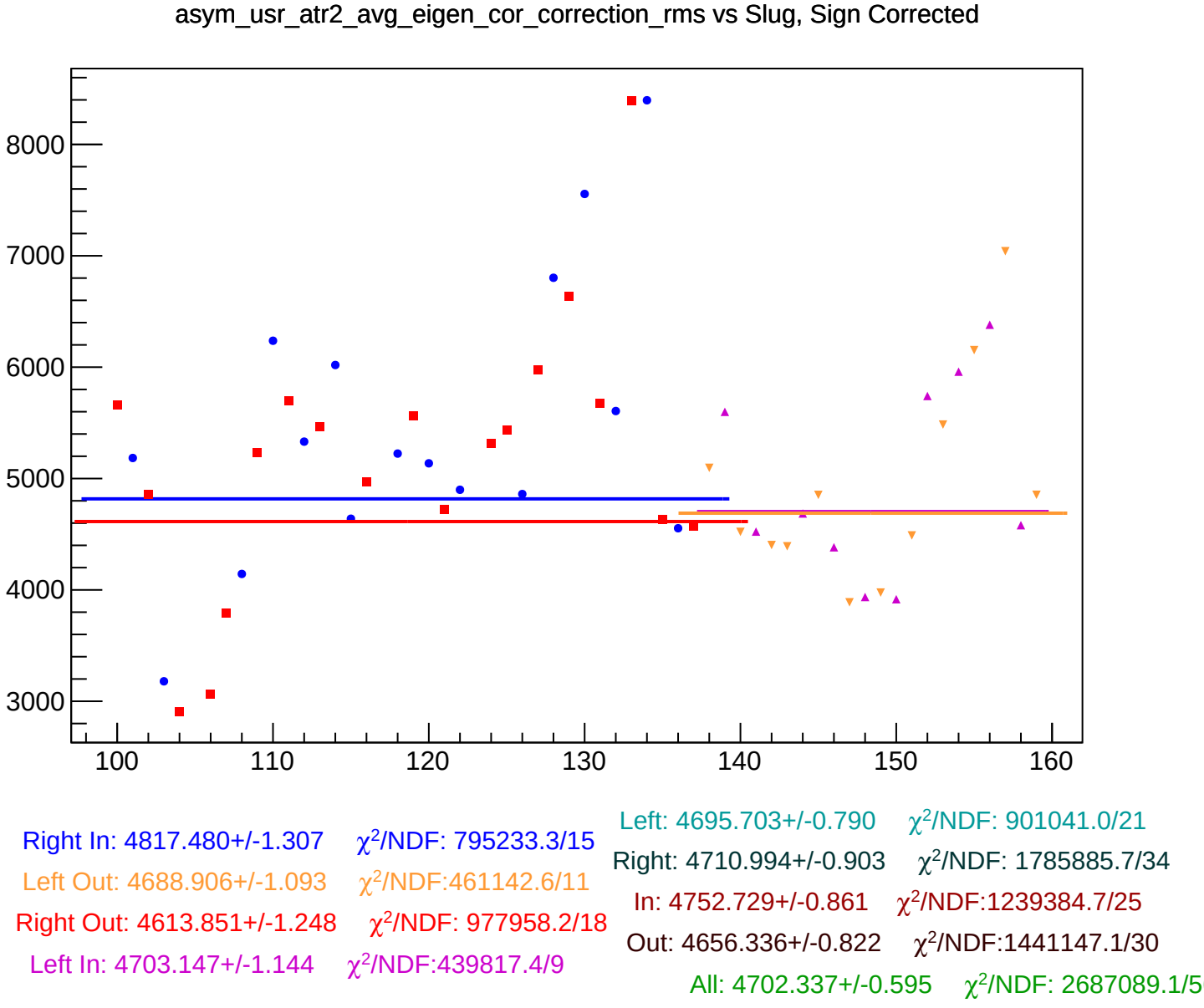
Left: 912.011+/-1117.461 χ^2/NDF: 21.6/21

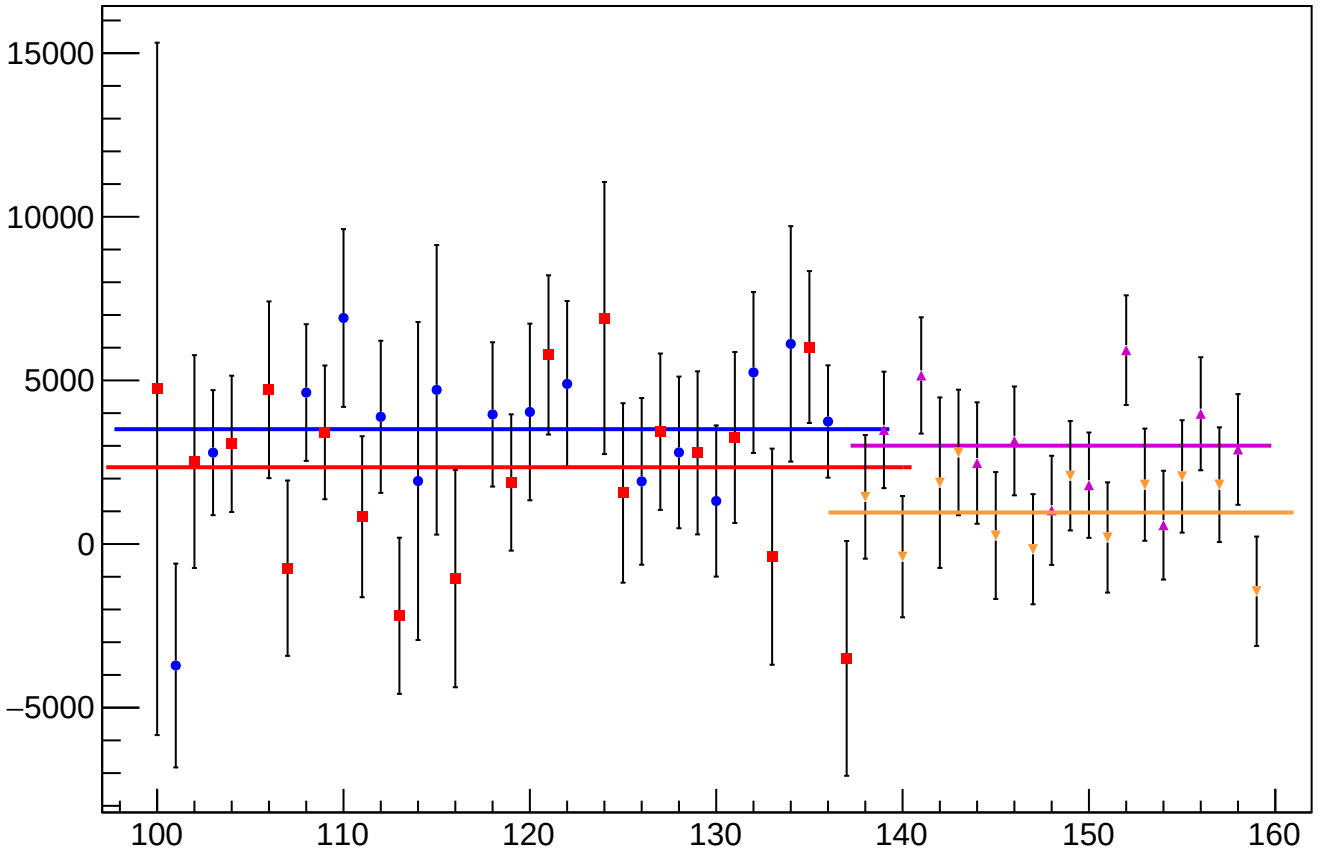
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -185.044+/-1217.183 χ^2/NDF:19.6/25

Out: 90.279+/-1162.930 χ^2/NDF:33.8/30

All: -41.110+/-840.841 χ^2/NDF: 53.4/56


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4688.906+/-1.093 χ²/NDF:461142.6/11
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4703.147+/-1.144 χ²/NDF:439817.4/9
Left: 4695.703+/-0.790 χ²/NDF: 901041.0/21
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4752.729+/-0.861 χ²/NDF:1239384.7/25
Out: 4656.336+/-0.822 χ²/NDF:1441147.1/30
All: 4702.337+/-0.595 χ²/NDF: 2687089.1/56



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 964.307+/-521.114 χ^2/NDF:5.8/11

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3006.357+/-539.746 χ^2/NDF:9.1/9

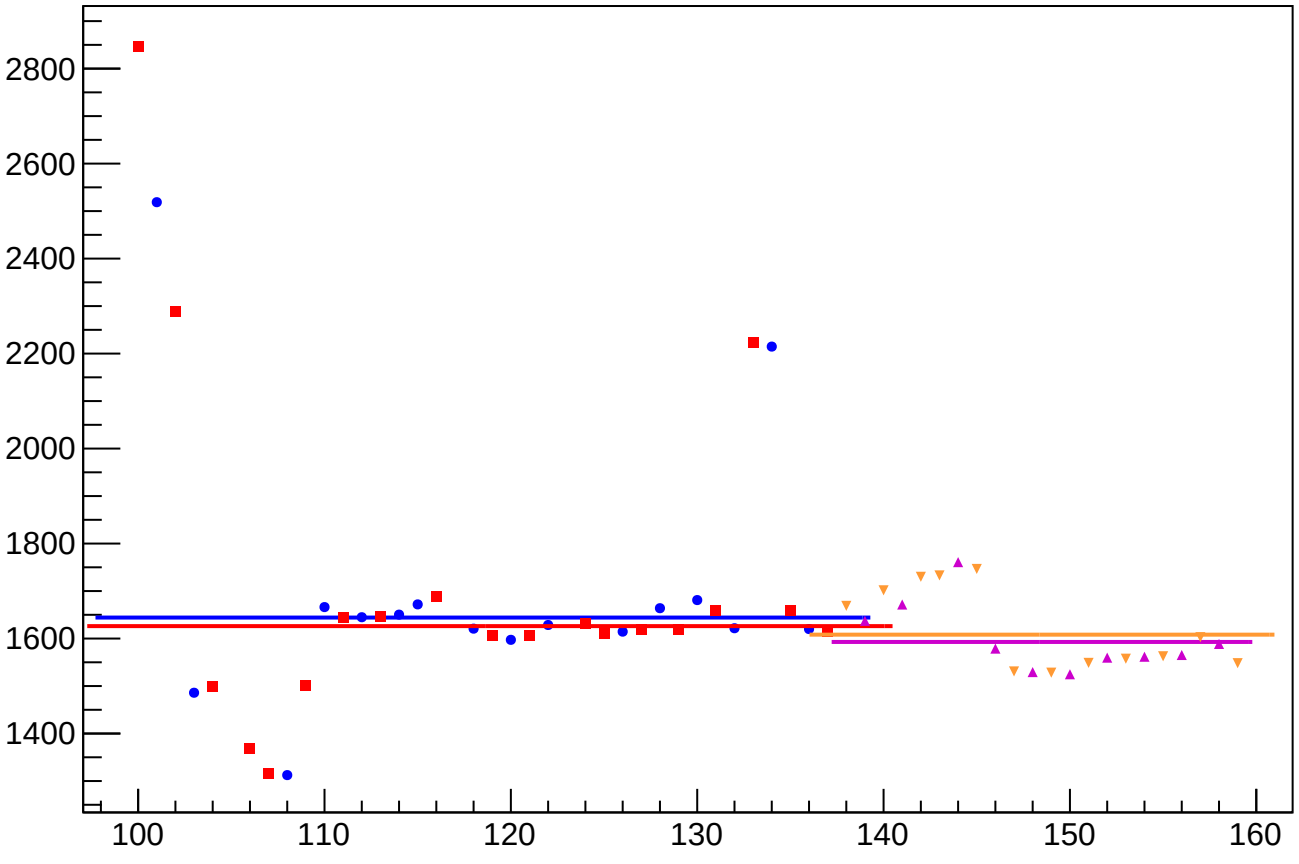
Left: 1949.477+/-374.897 χ^2/NDF: 22.3/21

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3224.588+/-406.164 χ^2/NDF:19.8/25

Out: 1550.374+/-395.531 χ^2/NDF:25.9/30

All: 2365.280+/-283.367 χ^2/NDF: 54.5/56



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1608.197+/-0.368 χ^2/NDF:47207.2/11

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1592.837+/-0.382 χ^2/NDF:30181.0/9

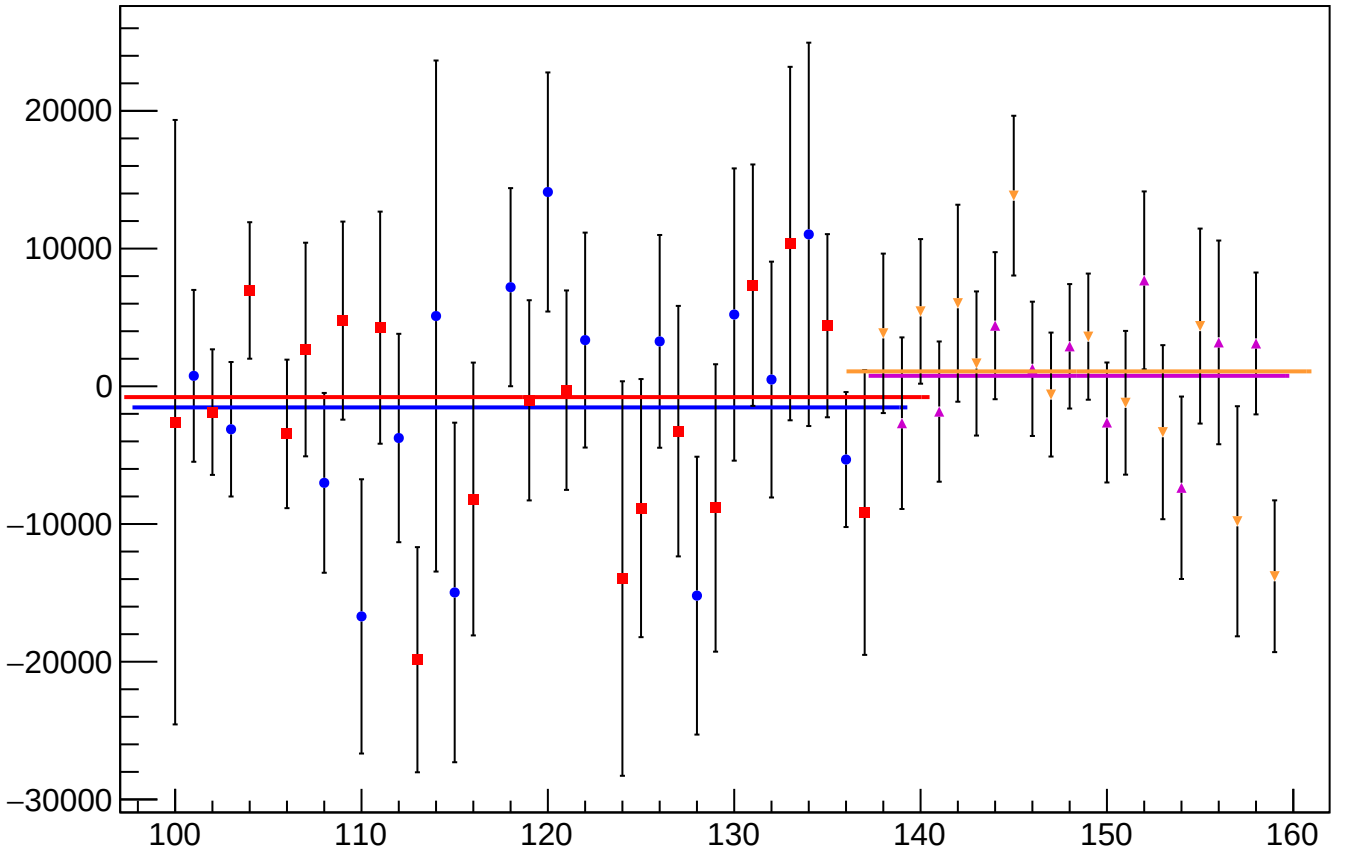
Left: 1600.787+/-0.265 χ^2/NDF: 78226.5/21

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1615.114+/-0.287 χ^2/NDF:312853.7/25

Out: 1615.825+/-0.280 χ^2/NDF:285856.4/30

All: 1615.479+/-0.200 χ^2/NDF: 598713.3/56



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1083.714+/-1626.804 χ^2/NDF:16.6/11

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 761.856+/-1700.441 χ^2/NDF:4.8/9

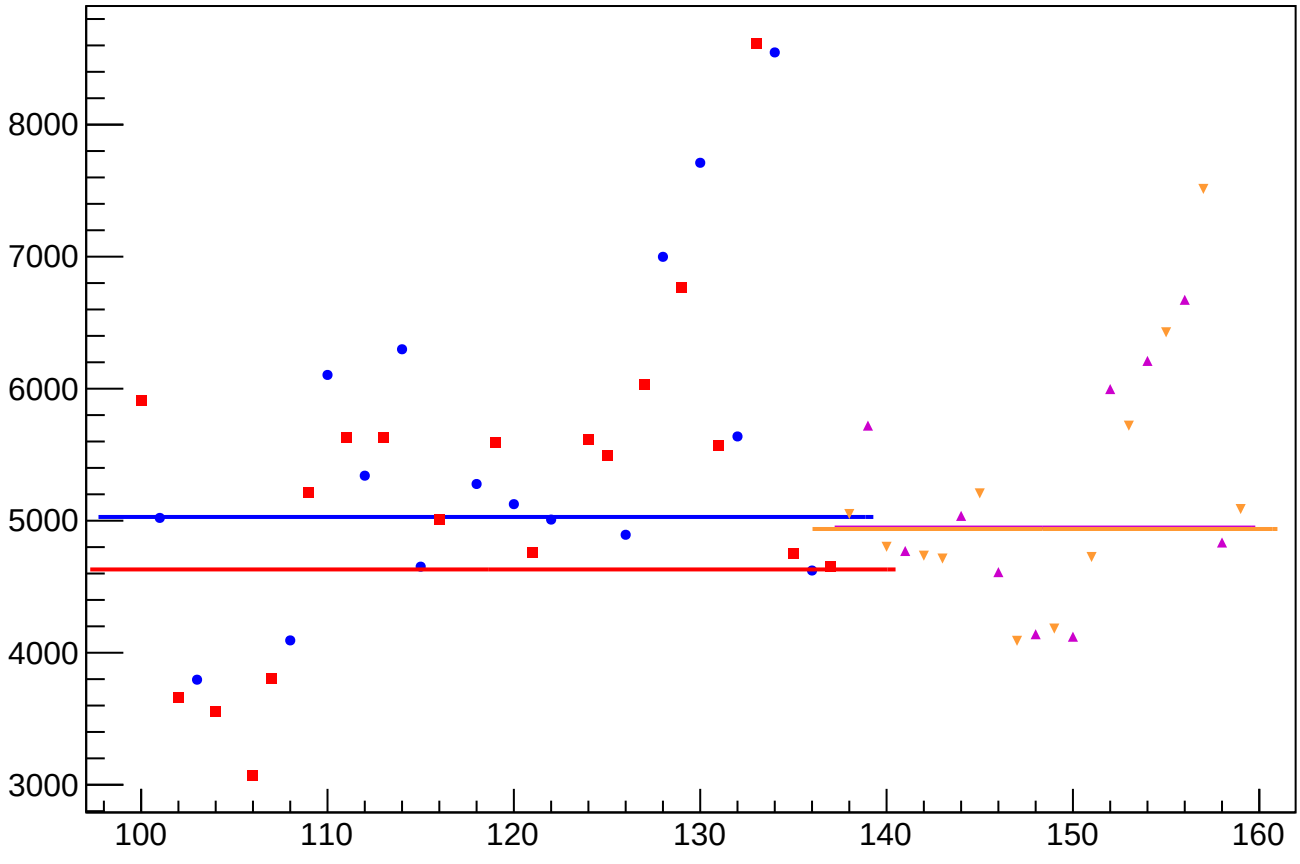
Left: 929.905+/-1175.495 χ^2/NDF: 21.4/21

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -250.179+/-1271.161 χ^2/NDF:19.5/25

Out: 217.036+/-1191.046 χ^2/NDF:32.2/30

All: -1.385+/-869.140 χ^2/NDF: 51.8/56



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4937.320+/-1.150 χ^2/NDF:450870.1/11

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4948.215+/-1.202 χ^2/NDF:414335.0/9

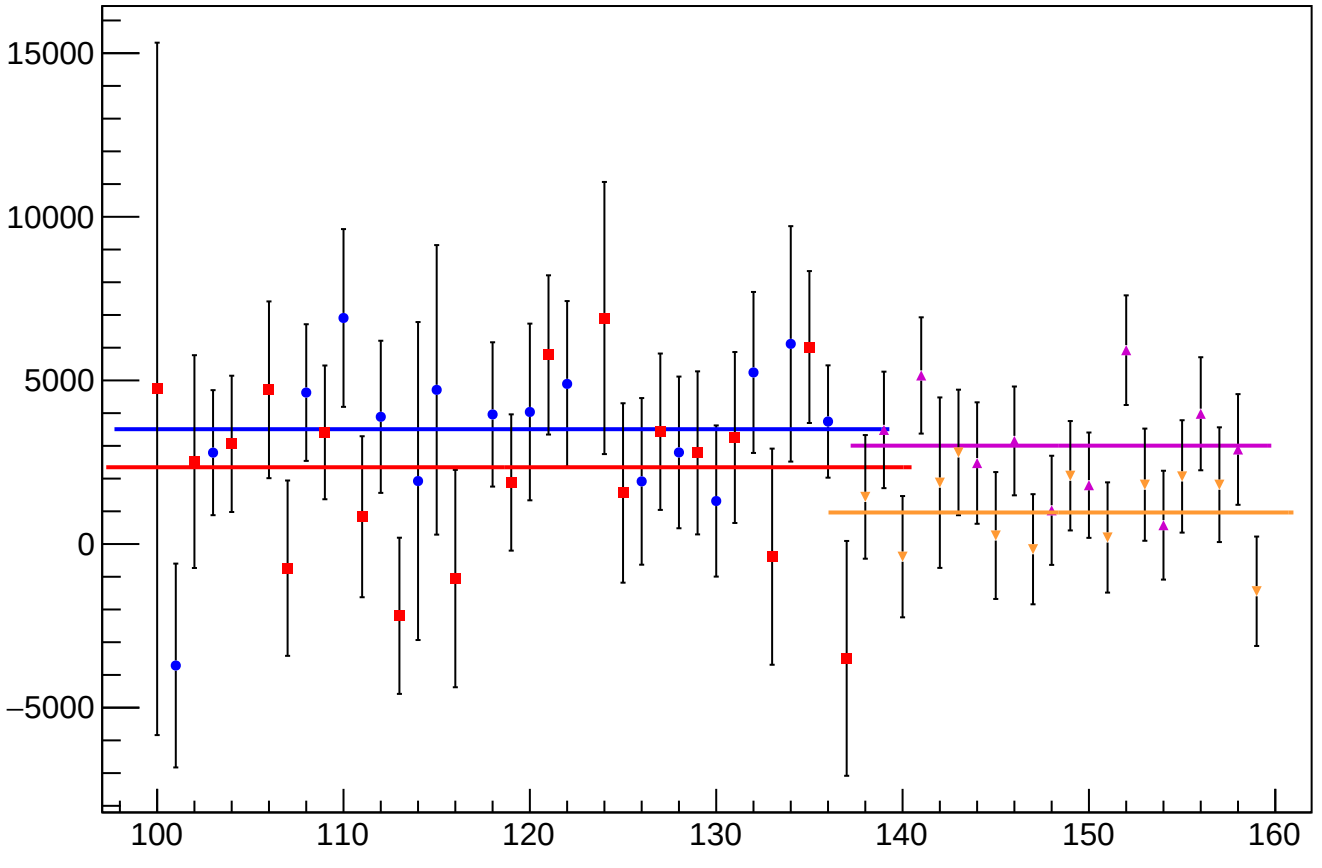
Left: 4942.526+/-0.831 χ^2/NDF: 865247.9/21

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4983.612+/-0.899 χ^2/NDF:981768.8/25

Out: 4795.150+/-0.842 χ^2/NDF:1347306.7/30

All: 4883.255+/-0.615 χ^2/NDF: 2352485.6/56



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 964.298+/-521.114 χ^2/NDF:5.8/11

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3006.356+/-539.747 χ^2/NDF:9.1/9

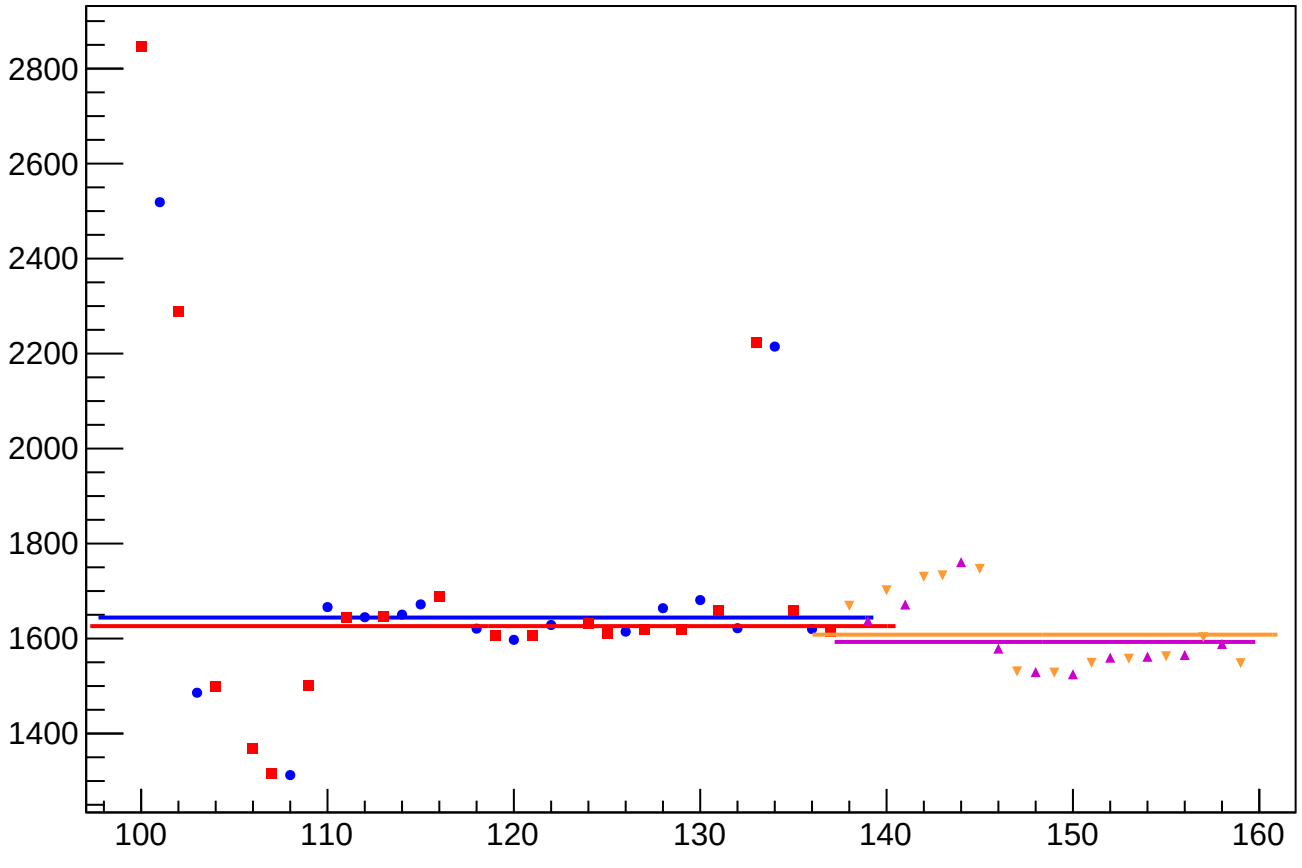
Left: 1949.472+/-374.897 χ^2/NDF: 22.3/21

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

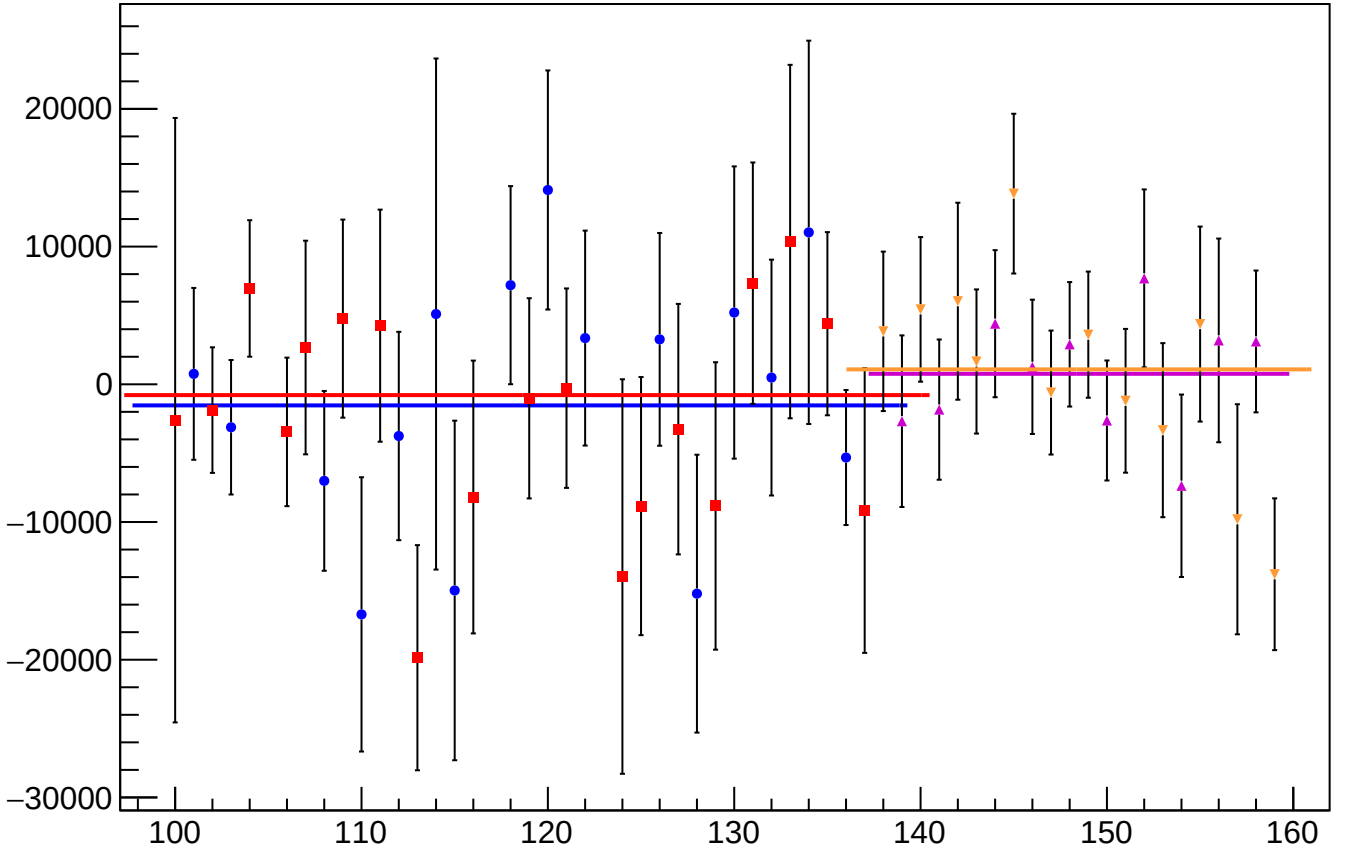
In: 3224.589+/-406.164 χ^2/NDF:19.8/25

Out: 1550.372+/-395.531 χ^2/NDF:25.9/30

All: 2365.280+/-283.367 χ^2/NDF: 54.5/56


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1608.198+/-0.368 χ²/NDF:47207.3/11
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1592.838+/-0.382 χ²/NDF:30181.0/9
Left: 1600.788+/-0.265 χ²/NDF: 78226.6/21
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1615.114+/-0.287 χ²/NDF:312853.4/25
Out: 1615.826+/-0.280 χ²/NDF:285855.9/30
All: 1615.480+/-0.200 χ²/NDF: 598712.5/56

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1083.709+/-1626.806 χ^2/NDF:16.6/11

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 761.855+/-1700.444 χ^2/NDF:4.8/9

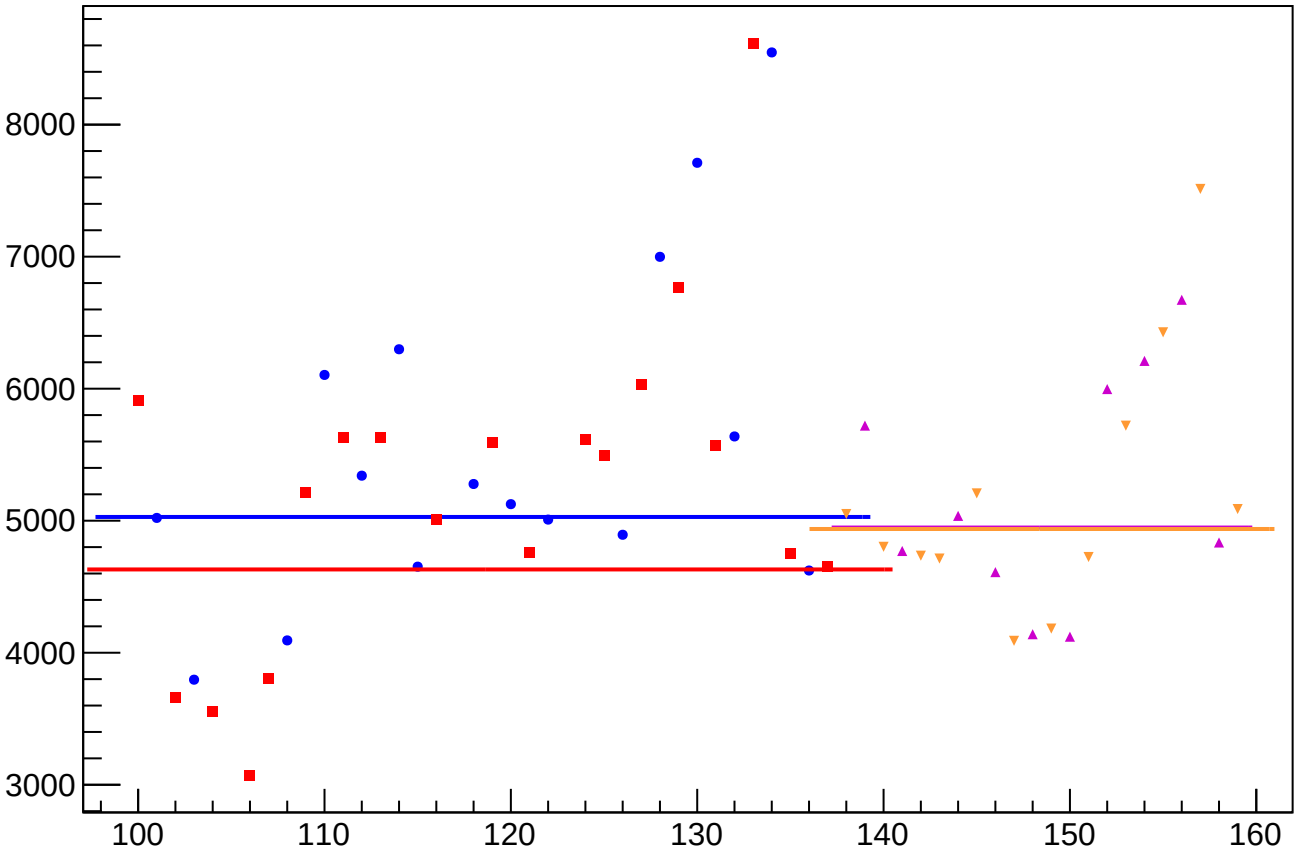
Left: 929.901+/-1175.497 χ^2/NDF: 21.4/21

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -250.176+/-1271.161 χ^2/NDF:19.5/25

Out: 217.030+/-1191.046 χ^2/NDF:32.2/30

All: -1.387+/-869.140 χ^2/NDF: 51.8/56



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4937.327+/-1.150 χ^2/NDF:450869.4/11

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4948.223+/-1.202 χ^2/NDF:414333.7/9

Left: 4942.534+/-0.831 χ^2/NDF: 865246.0/21

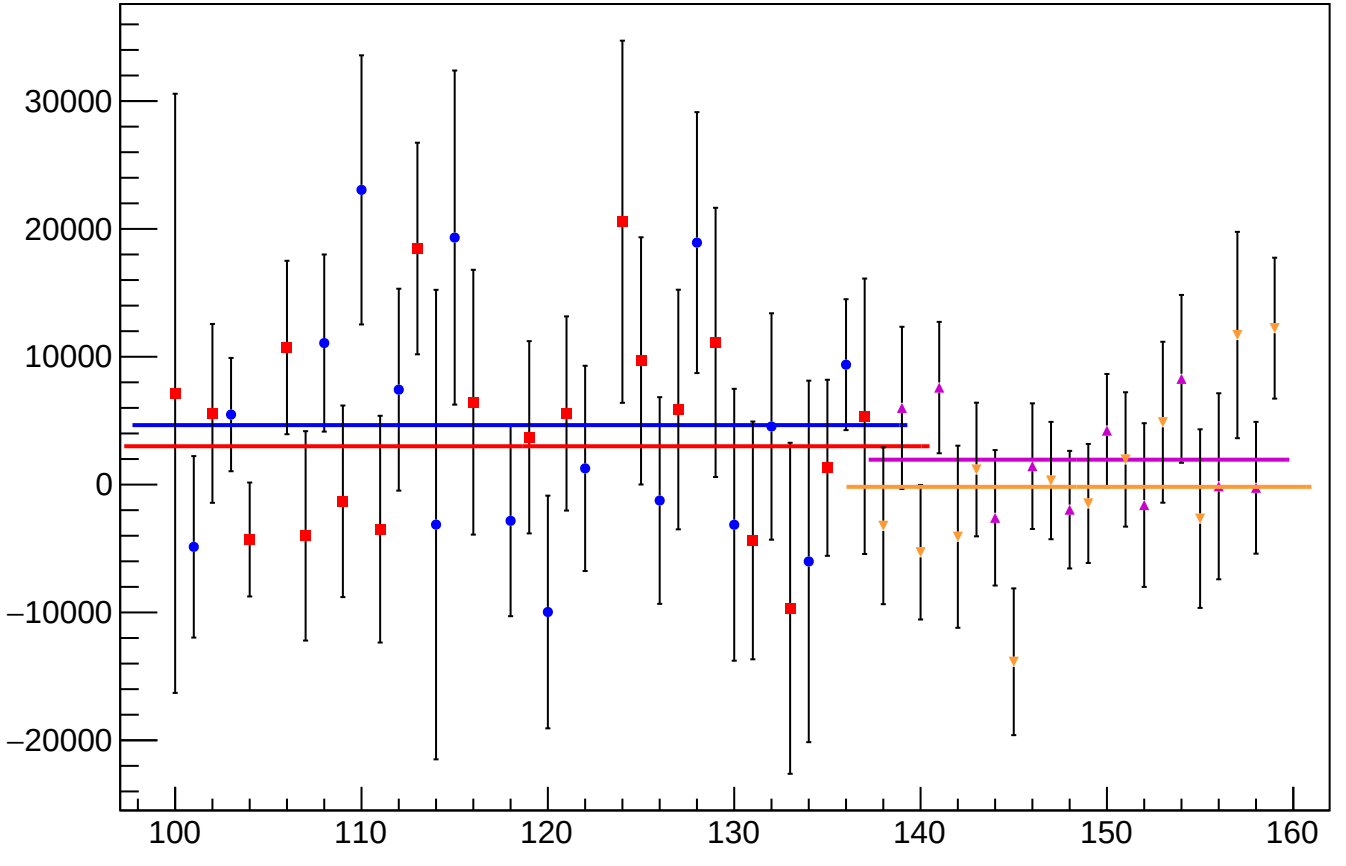
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4983.614+/-0.899 χ^2/NDF:981760.6/25

Out: 4795.150+/-0.842 χ^2/NDF:1347303.2/30

All: 4883.256+/-0.615 χ^2/NDF: 2352474.0/56

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -174.859+/-1636.739 χ^2/NDF:15.5/11

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1950.301+/-1709.697 χ^2/NDF:4.8/9

Left: 841.411+/-1182.300 χ^2/NDF: 21.2/21

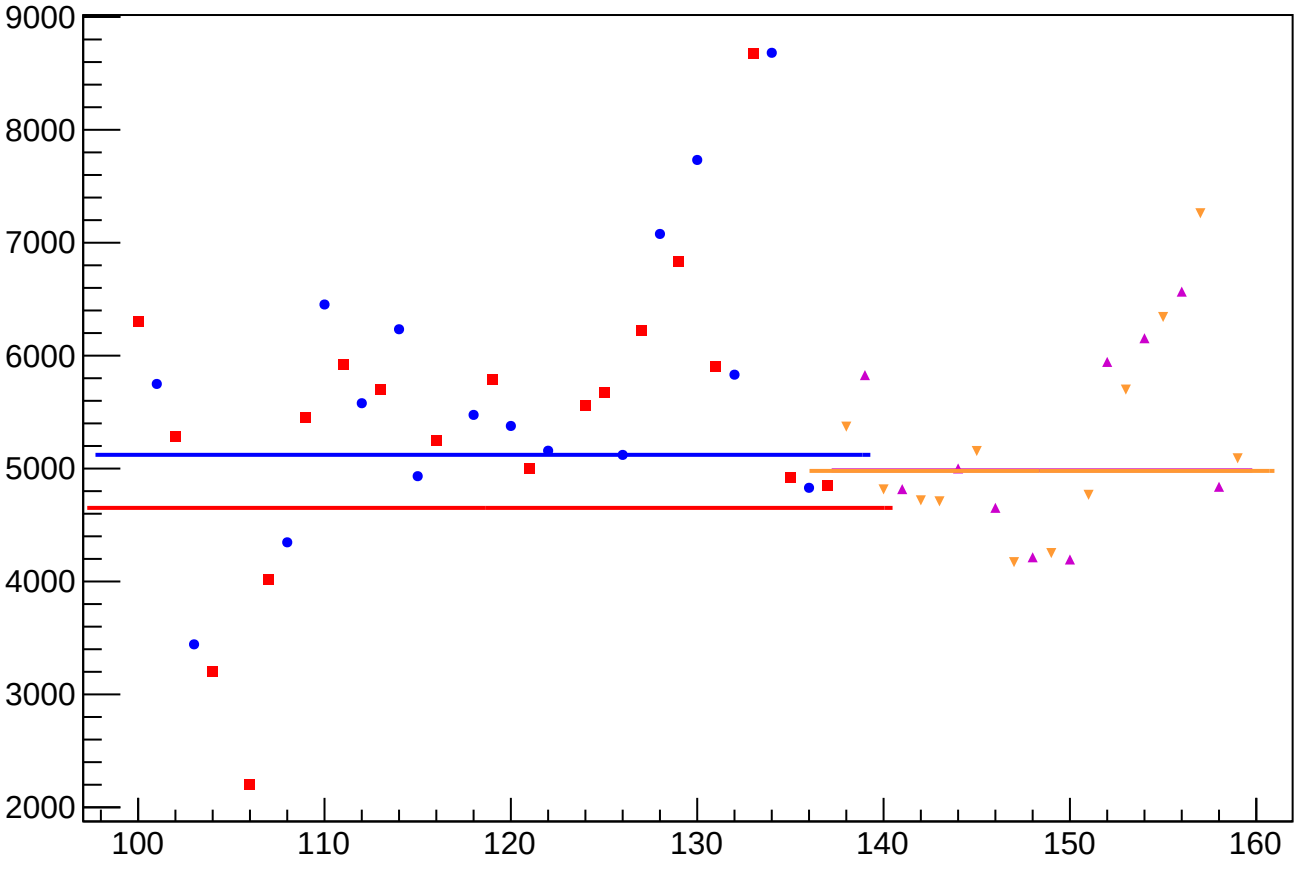
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3119.236+/-1287.977 χ^2/NDF:21.5/25

Out: 1192.091+/-1235.253 χ^2/NDF:31.0/30

All: 2115.413+/-891.512 χ^2/NDF: 53.6/56

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4979.329+/-1.157 χ^2/NDF:397129.5/11

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4984.262+/-1.209 χ^2/NDF:370852.8/9

Left: 4981.688+/-0.836 χ^2/NDF: 767990.9/21

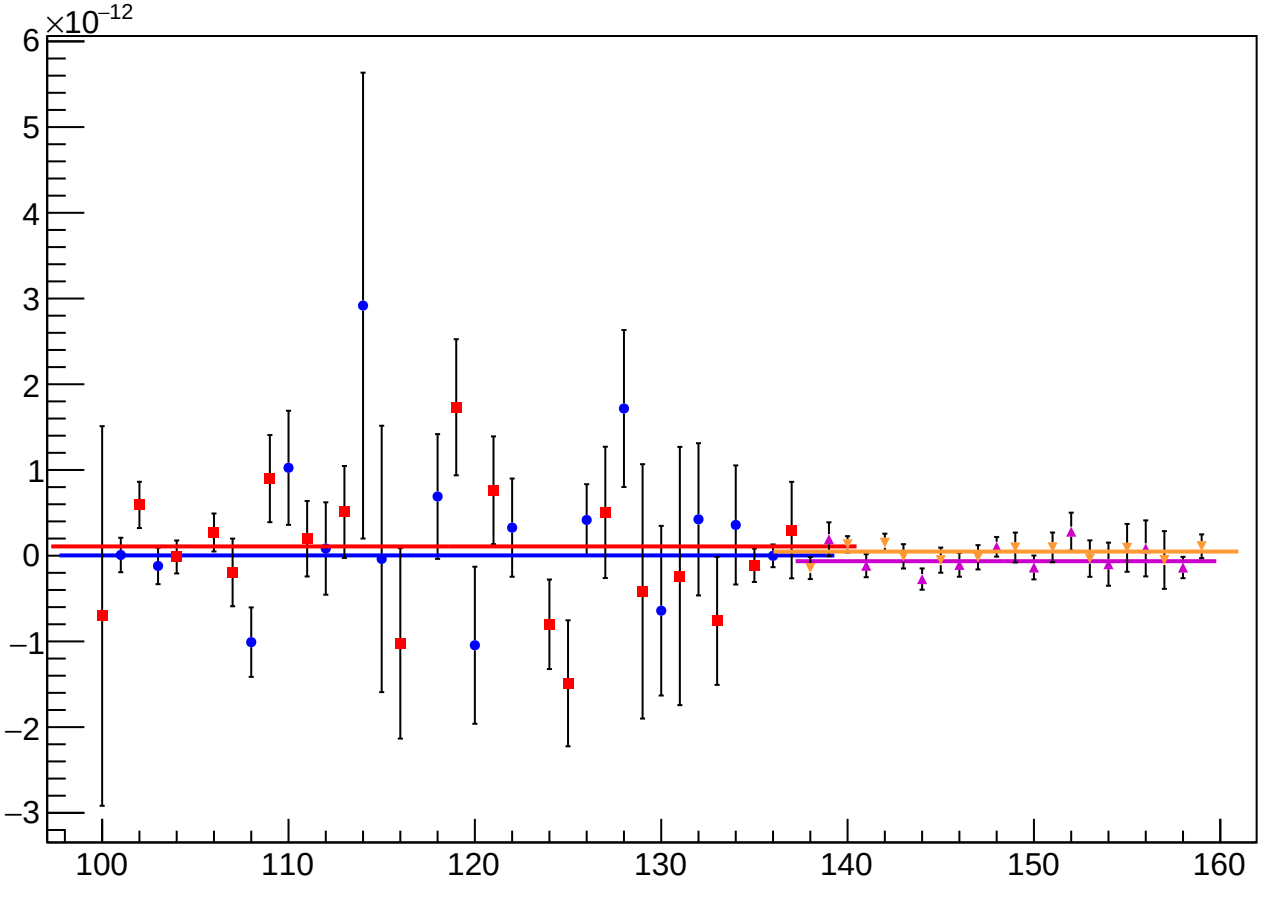
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5043.678+/-0.911 χ^2/NDF:1096807.8/25

Out: 4832.017+/-0.859 χ^2/NDF:1778026.9/30

All: 4931.612+/-0.625 χ^2/NDF: 2903432.1/56

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/9

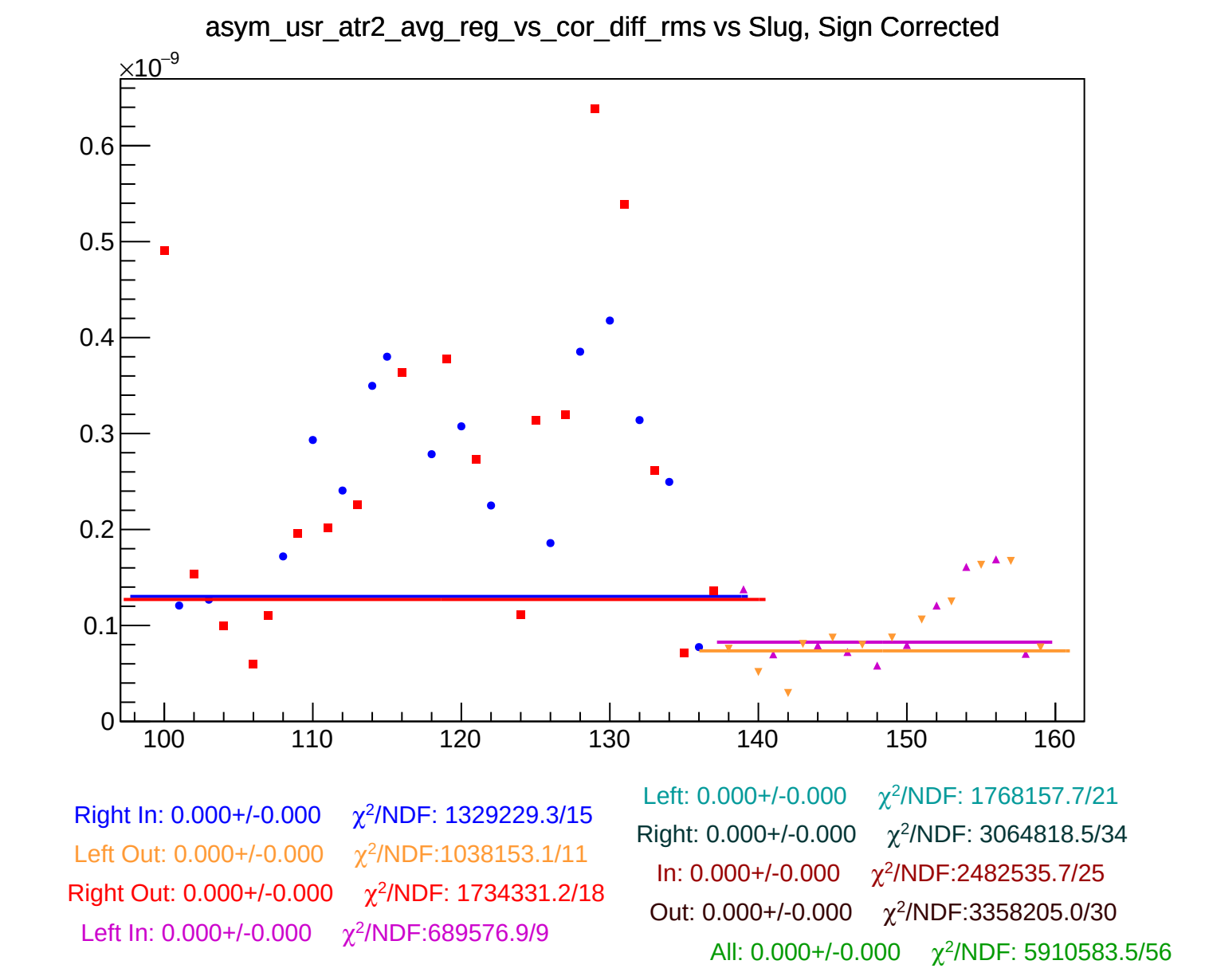
Left: -0.000+/-0.000 χ^2/NDF: 18.7/21

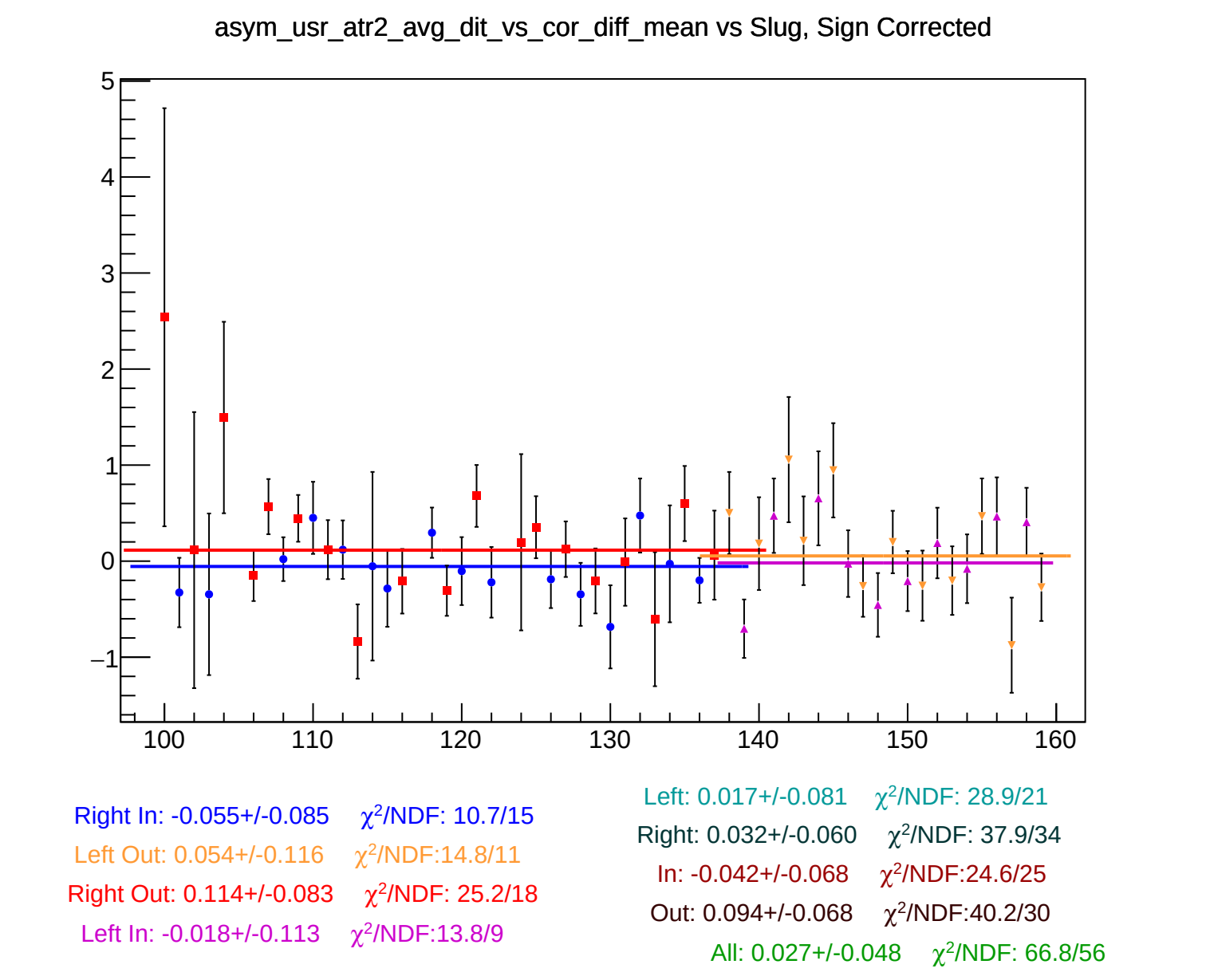
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

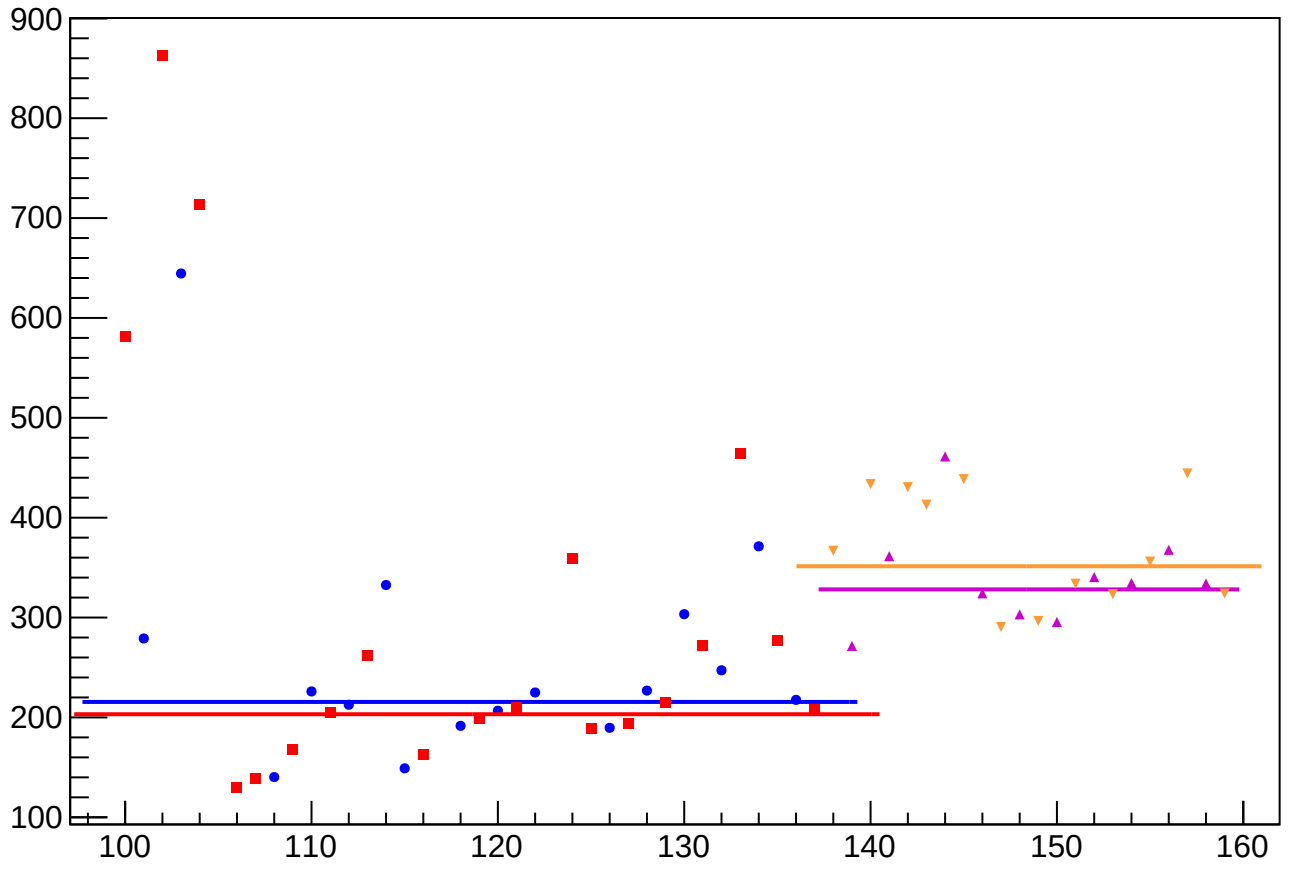
In: -0.000+/-0.000 χ^2/NDF:28.7/25

Out: 0.000+/-0.000 χ^2/NDF:30.9/30

All: 0.000+/-0.000 χ^2/NDF: 63.2/56


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1038153.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:689576.9/9
Left: 0.000+/-0.000 χ²/NDF: 1768157.7/21
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2482535.7/25
Out: 0.000+/-0.000 χ²/NDF:3358205.0/30
All: 0.000+/-0.000 χ²/NDF: 5910583.5/56


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
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.054+/-0.116 χ²/NDF:14.8/11
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.018+/-0.113 χ²/NDF:13.8/9
Left: 0.017+/-0.081 χ²/NDF: 28.9/21
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.042+/-0.068 χ²/NDF:24.6/25
Out: 0.094+/-0.068 χ²/NDF:40.2/30
All: 0.027+/-0.048 χ²/NDF: 66.8/56



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.372+/-0.082 χ^2/NDF:417490.0/11

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

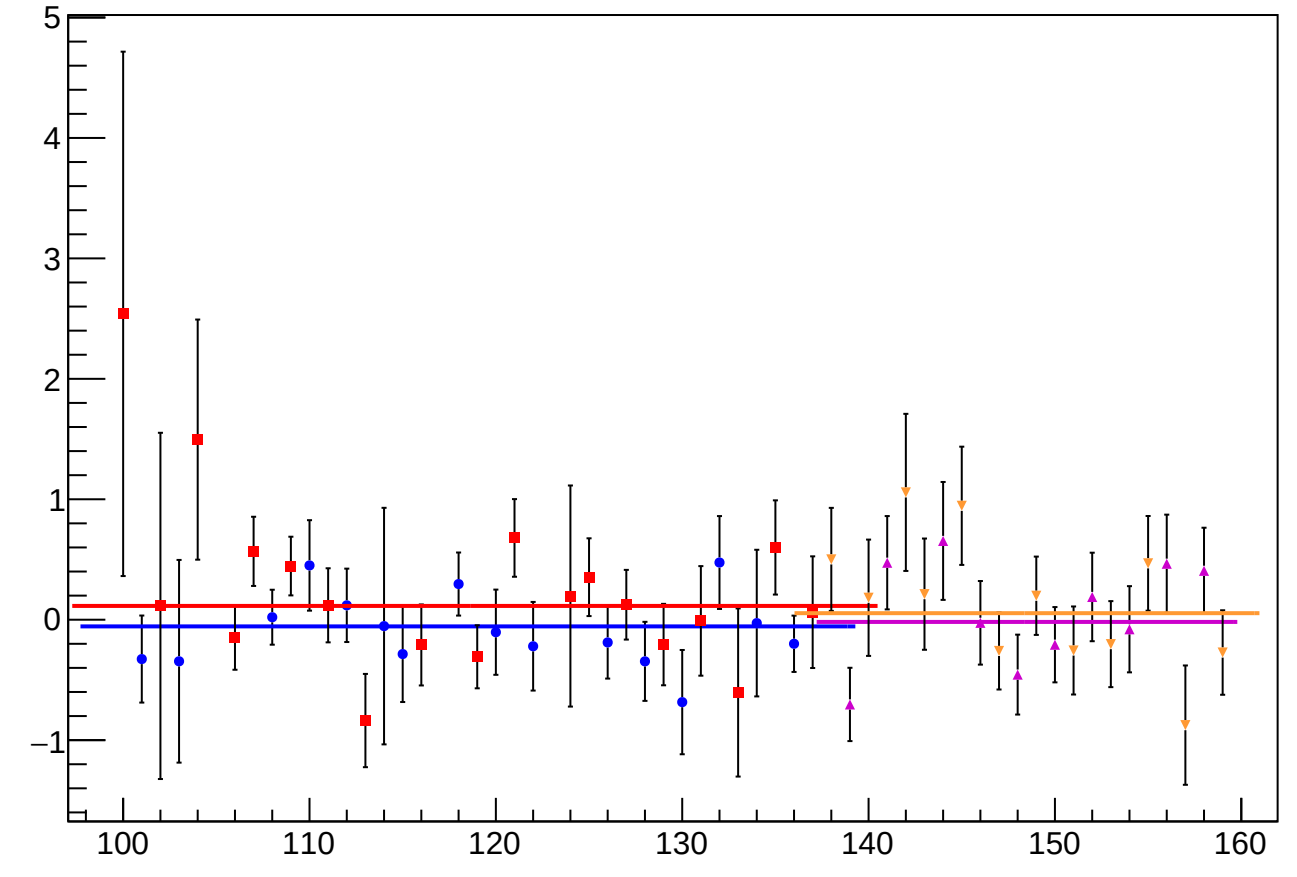
Left: 339.465+/-0.057 χ^2/NDF: 746020.3/21

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 256.517+/-0.048 χ^2/NDF:2700947.1/25

Out: 253.485+/-0.048 χ^2/NDF:4404523.1/30

All: 254.989+/-0.034 χ^2/NDF: 7107463.5/56



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.116 χ^2/NDF:14.8/11

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.018+/-0.113 χ^2/NDF:13.8/9

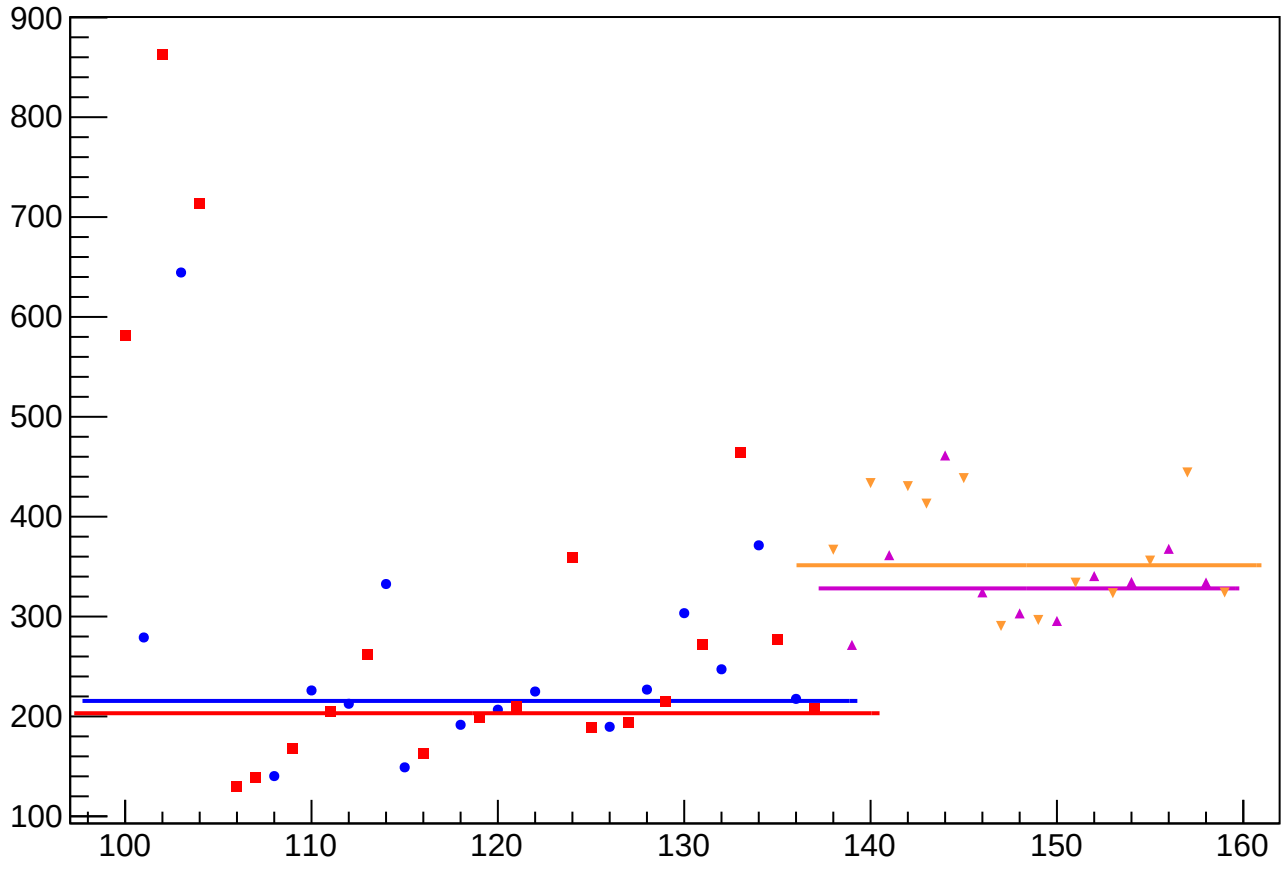
Left: 0.017+/-0.081 χ^2/NDF: 28.9/21

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.042+/-0.068 χ^2/NDF:24.6/25

Out: 0.094+/-0.068 χ^2/NDF:40.2/30

All: 0.027+/-0.048 χ^2/NDF: 66.8/56



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.372+/-0.082 χ^2/NDF:417490.0/11

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

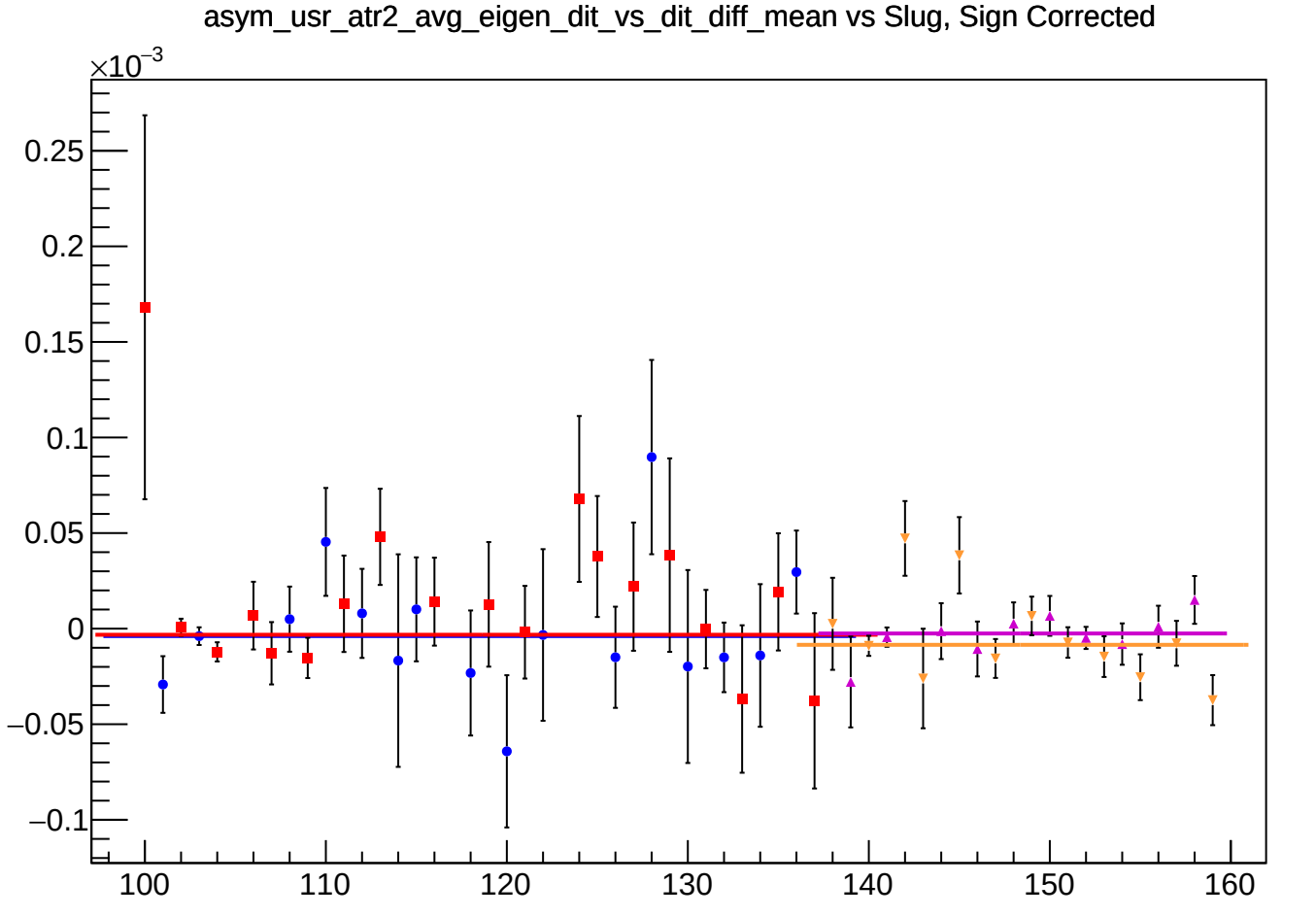
Left: 339.465+/-0.057 χ^2/NDF: 746020.3/21

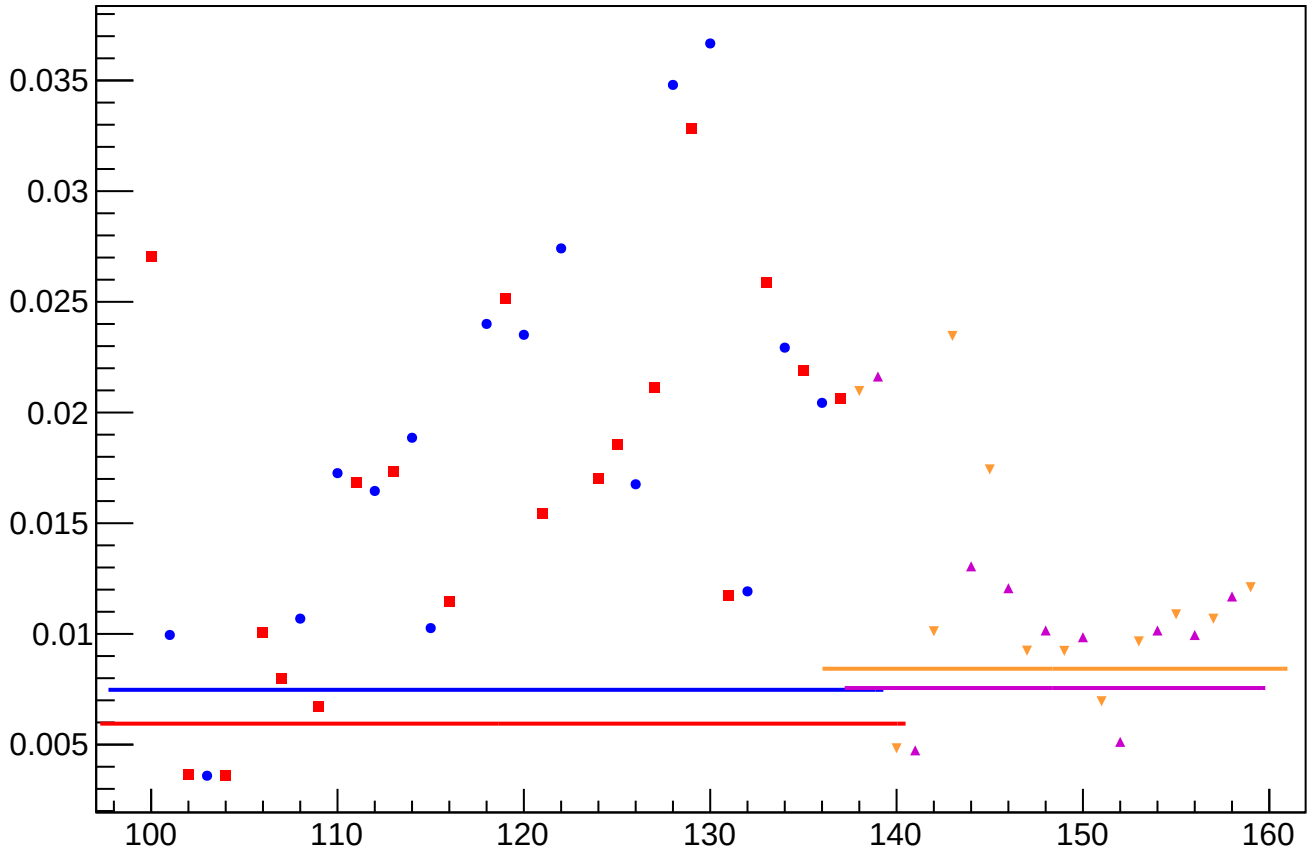
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 256.517+/-0.048 χ^2/NDF:2700947.1/25

Out: 253.485+/-0.048 χ^2/NDF:4404523.1/30

All: 254.989+/-0.034 χ^2/NDF: 7107463.5/56


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
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:24.3/11
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:5.1/9
Left: -0.000+/-0.000 χ²/NDF: 31.4/21
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:21.1/25
Out: -0.000+/-0.000 χ²/NDF:47.5/30
All: -0.000+/-0.000 χ²/NDF: 69.4/56



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2997561.8/11

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2789357.9/9

Left: 0.008+/-0.000 χ^2/NDF: 5873684.6/21

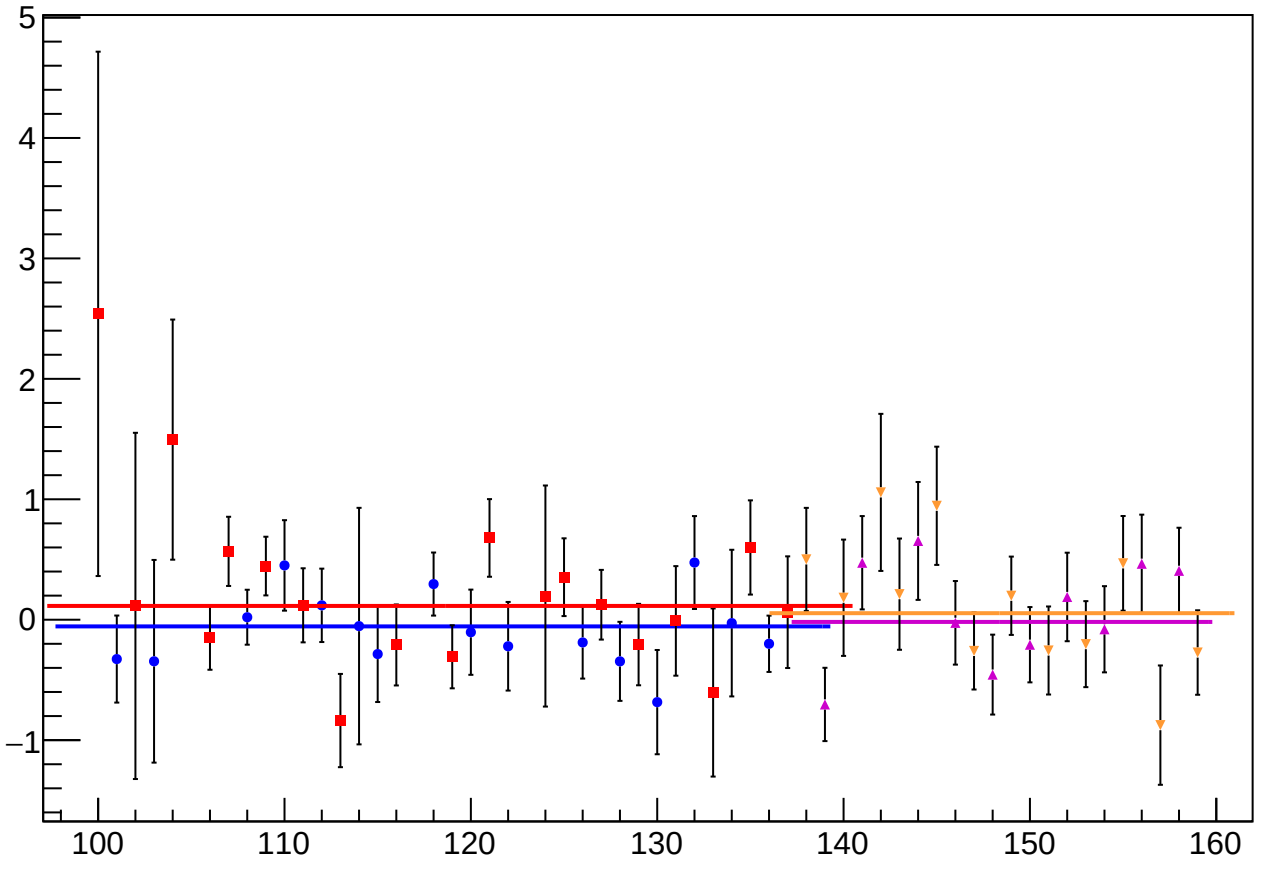
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:8866137.2/25

Out: 0.007+/-0.000 χ^2/NDF:9630083.5/30

All: 0.007+/-0.000 χ^2/NDF: 18529176.1/56

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.116 χ^2/NDF:14.8/11

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.018+/-0.113 χ^2/NDF:13.8/9

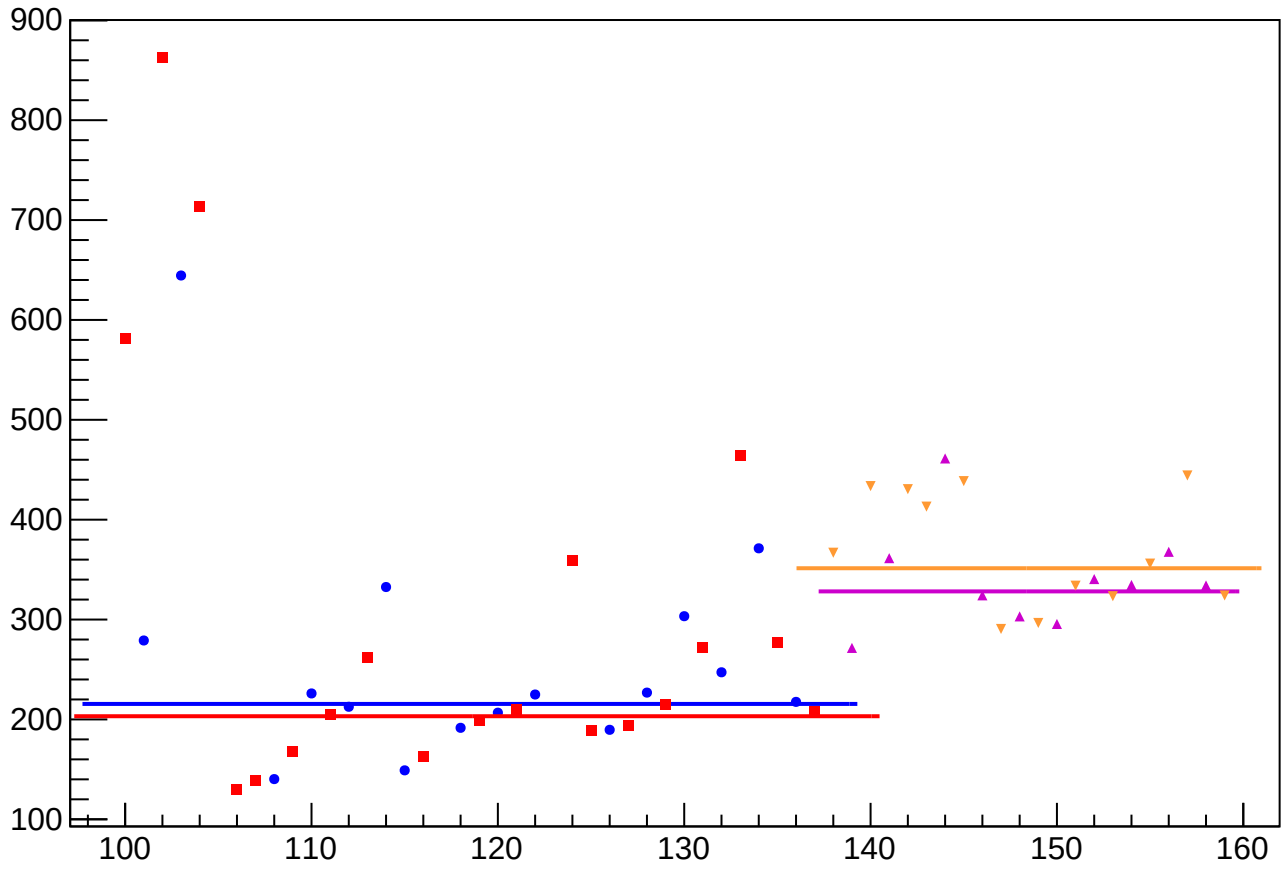
Left: 0.017+/-0.081 χ^2/NDF: 28.9/21

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.042+/-0.068 χ^2/NDF:24.6/25

Out: 0.094+/-0.068 χ^2/NDF:40.2/30

All: 0.027+/-0.048 χ^2/NDF: 66.8/56



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.377+/-0.082 χ^2/NDF:417478.4/11

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

Left: 339.470+/-0.057 χ^2/NDF: 745993.3/21

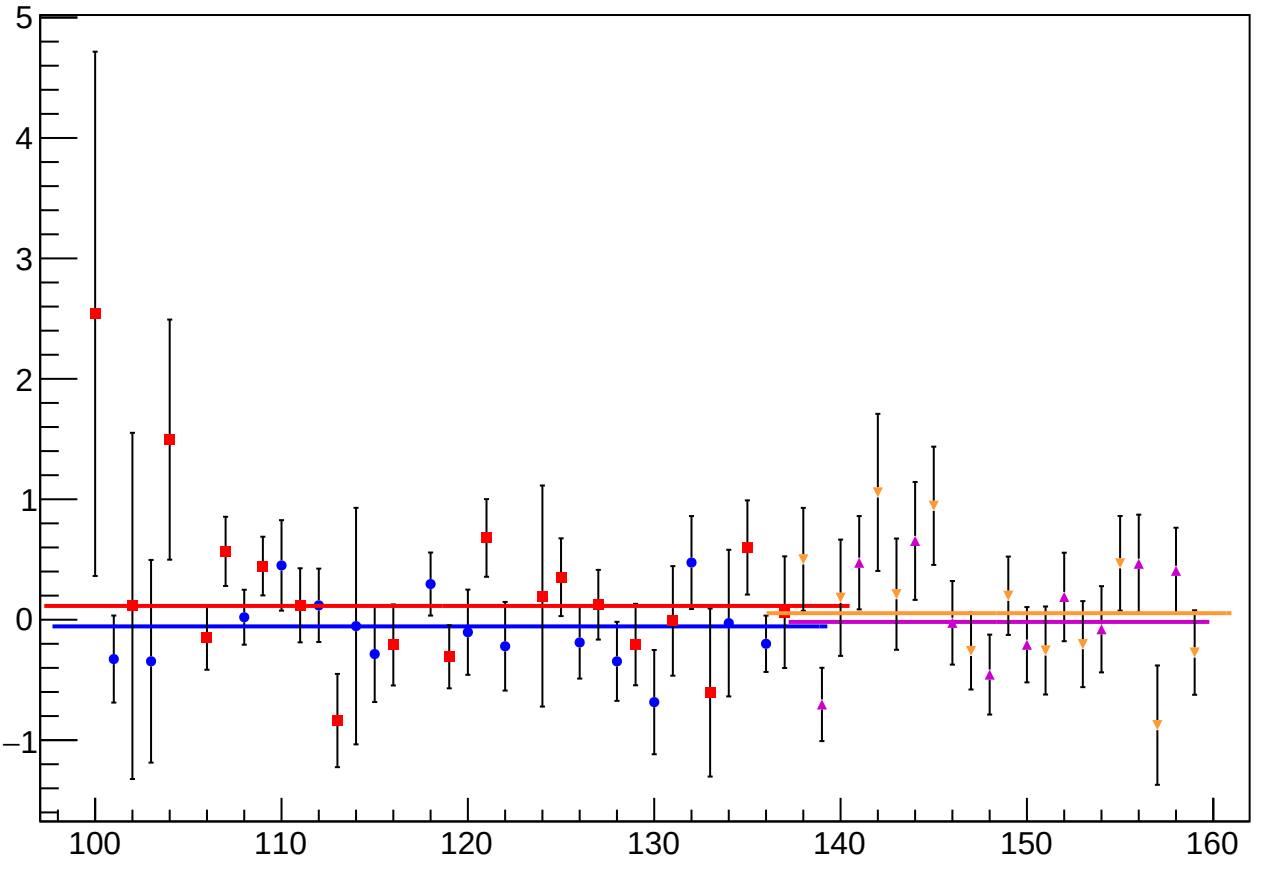
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 256.517+/-0.048 χ^2/NDF:2701023.4/25

Out: 253.484+/-0.048 χ^2/NDF:4404654.9/30

All: 254.989+/-0.034 χ^2/NDF: 7107672.4/56

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: 0.054+/-0.116 χ^2/NDF:14.8/11

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.018+/-0.113 χ^2/NDF:13.8/9

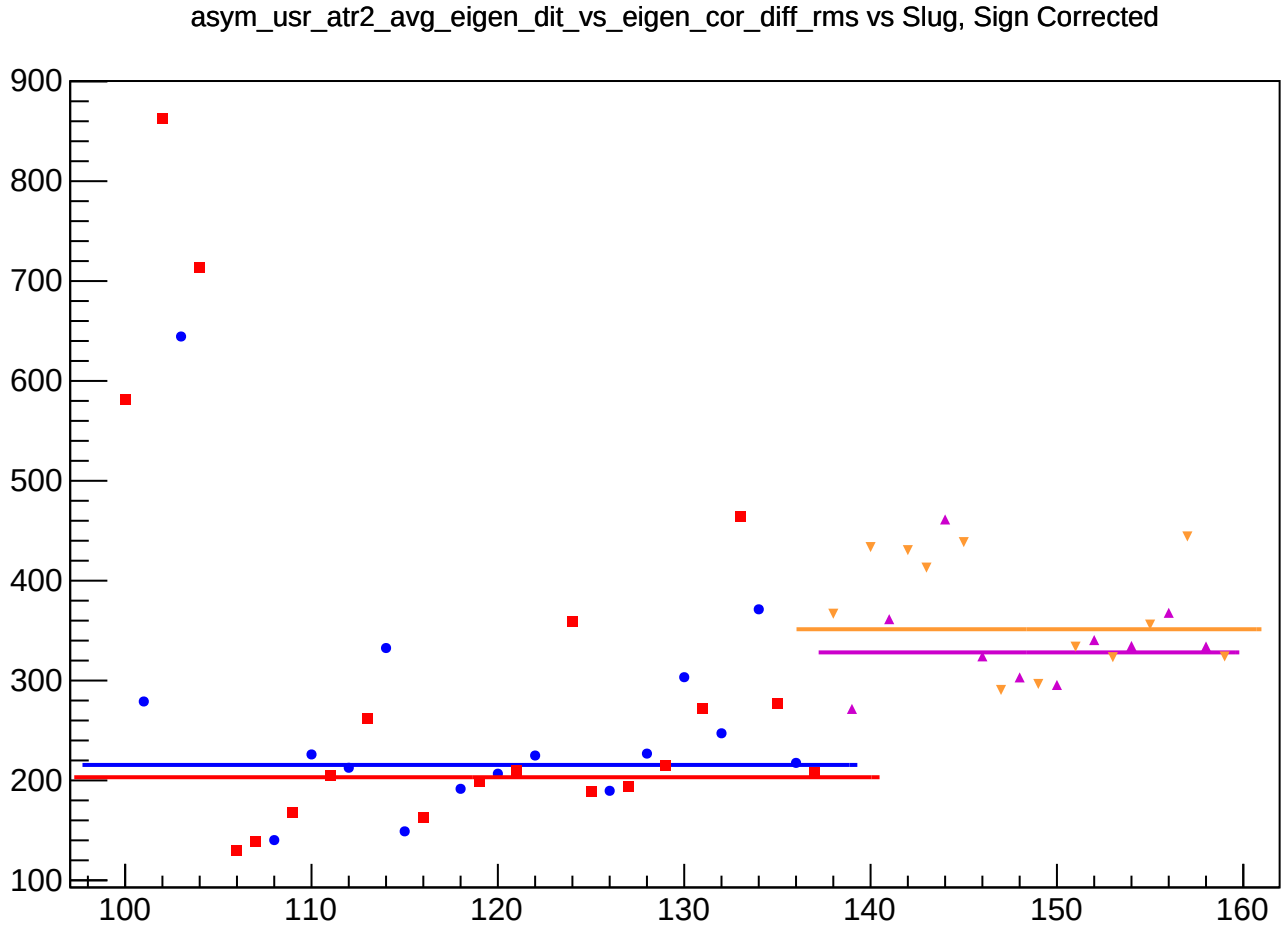
Left: 0.017+/-0.081 χ^2/NDF: 28.9/21

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.042+/-0.068 χ^2/NDF:24.6/25

Out: 0.094+/-0.068 χ^2/NDF:40.2/30

All: 0.027+/-0.048 χ^2/NDF: 66.8/56



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.377+/-0.082 χ^2/NDF:417478.4/11

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

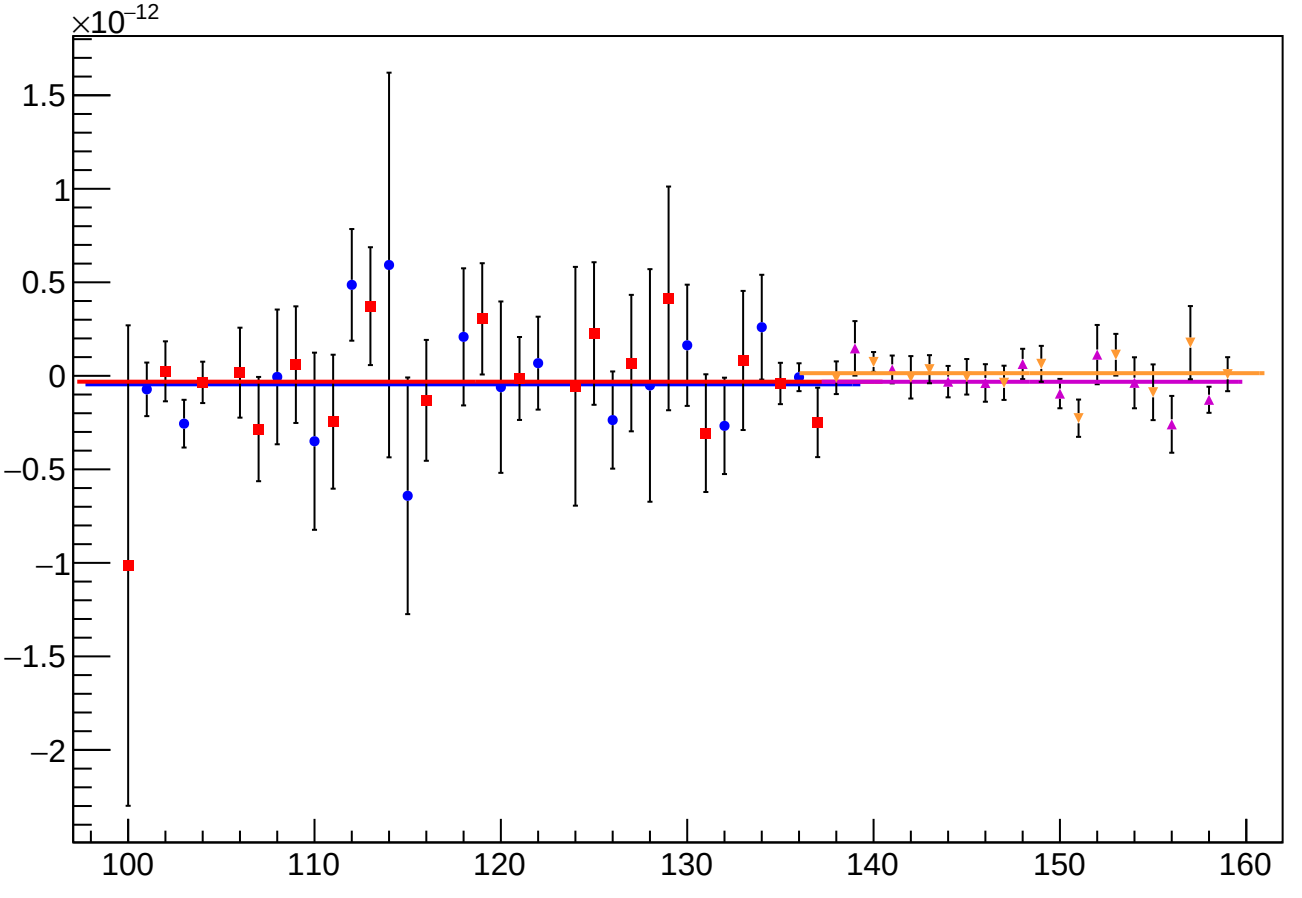
Left: 339.470+/-0.057 χ^2/NDF: 745993.3/21

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 256.517+/-0.048 χ^2/NDF:2701023.4/25

Out: 253.484+/-0.048 χ^2/NDF:4404654.9/30

All: 254.989+/-0.034 χ^2/NDF: 7107672.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/9

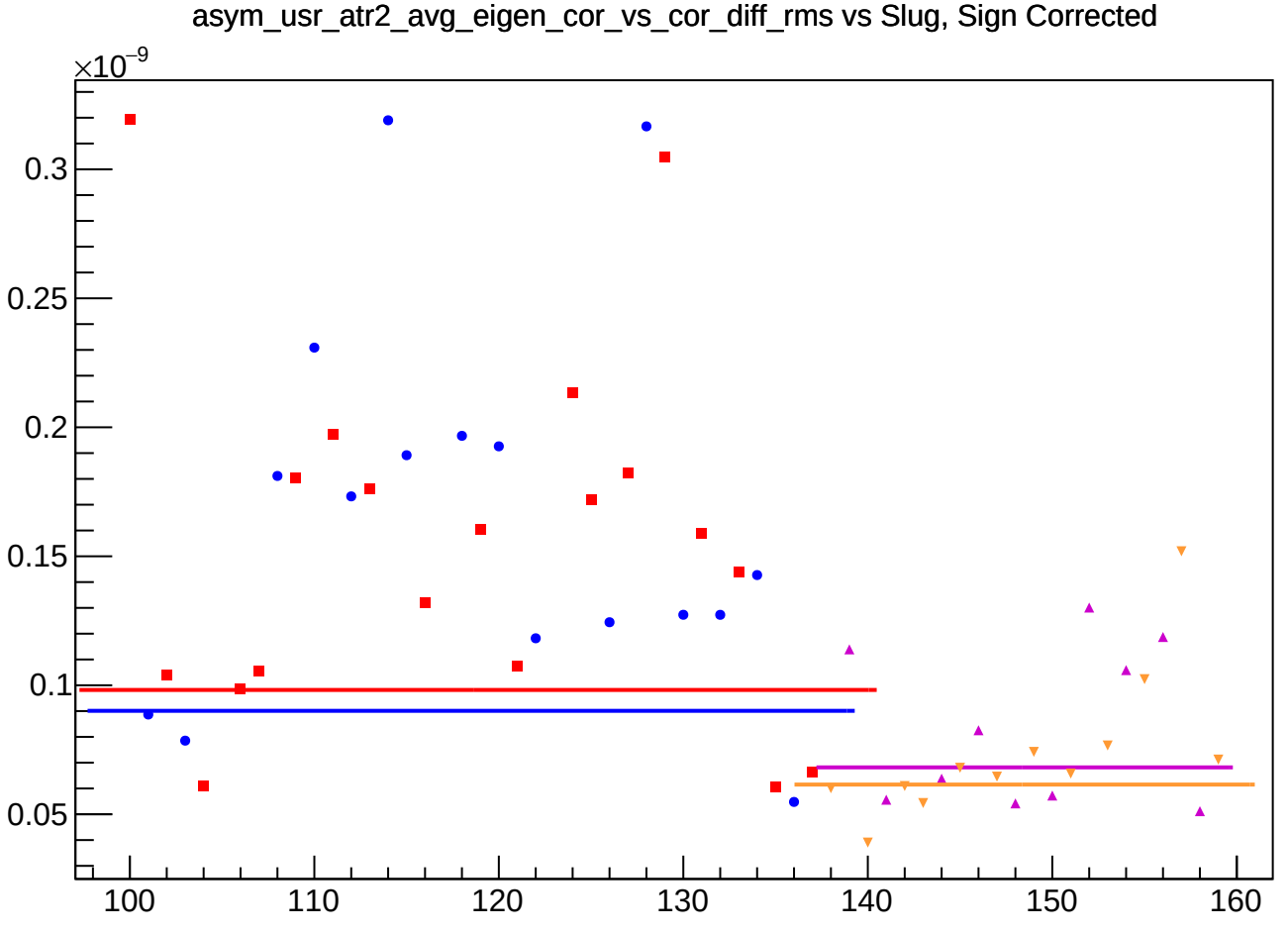
Left: -0.000+/-0.000 χ^2/NDF: 20.5/21

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:20.8/25

Out: 0.000+/-0.000 χ^2/NDF:18.8/30

All: -0.000+/-0.000 χ^2/NDF: 41.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1065772.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1196918.2/9

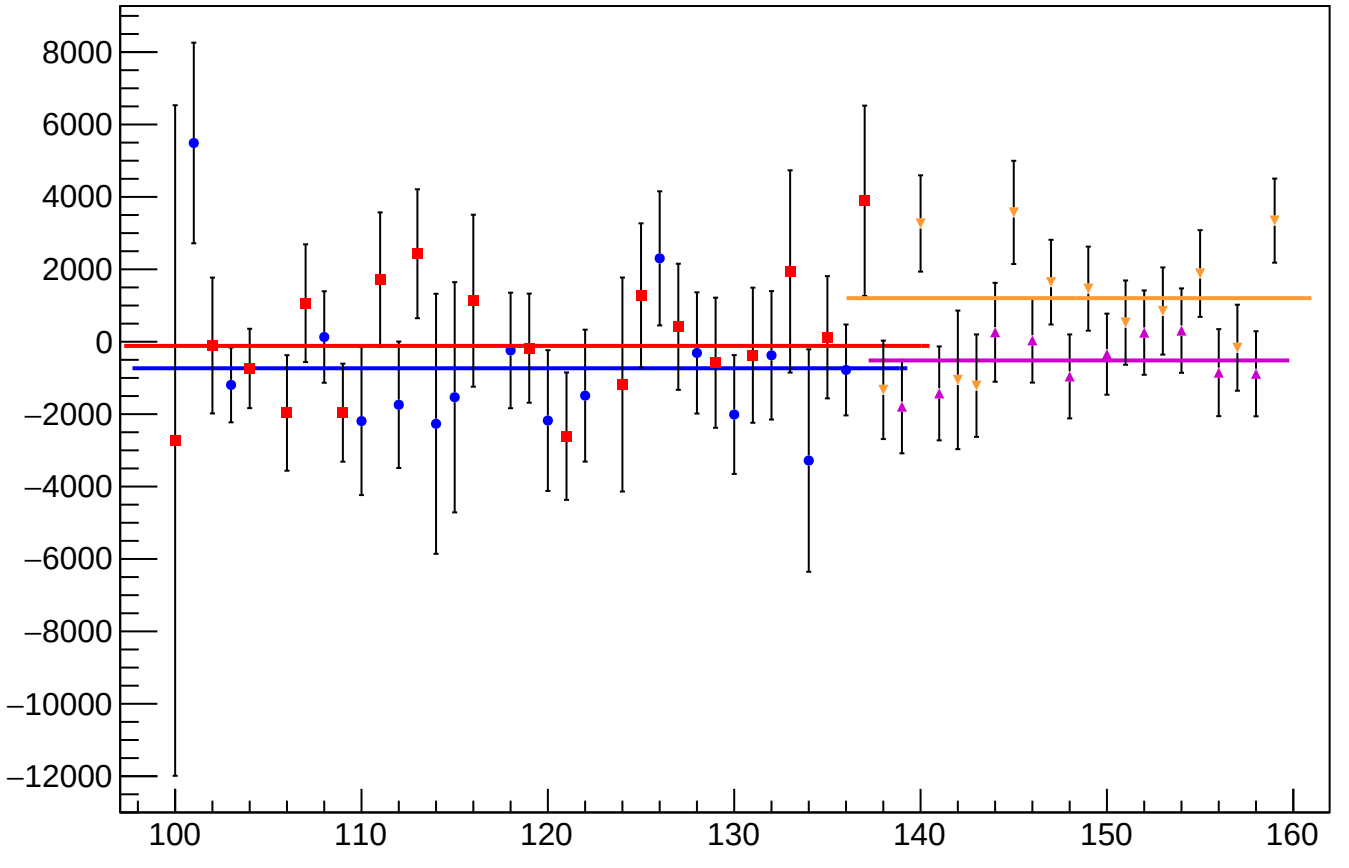
Left: 0.000+/-0.000 χ^2/NDF: 2318956.1/21

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:3288970.0/25

Out: 0.000+/-0.000 χ^2/NDF:3551611.5/30

All: 0.000+/-0.000 χ^2/NDF: 6881886.1/56



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1204.232+/-367.154 χ^2/NDF:18.6/11

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -516.596+/-380.796 χ^2/NDF:3.3/9

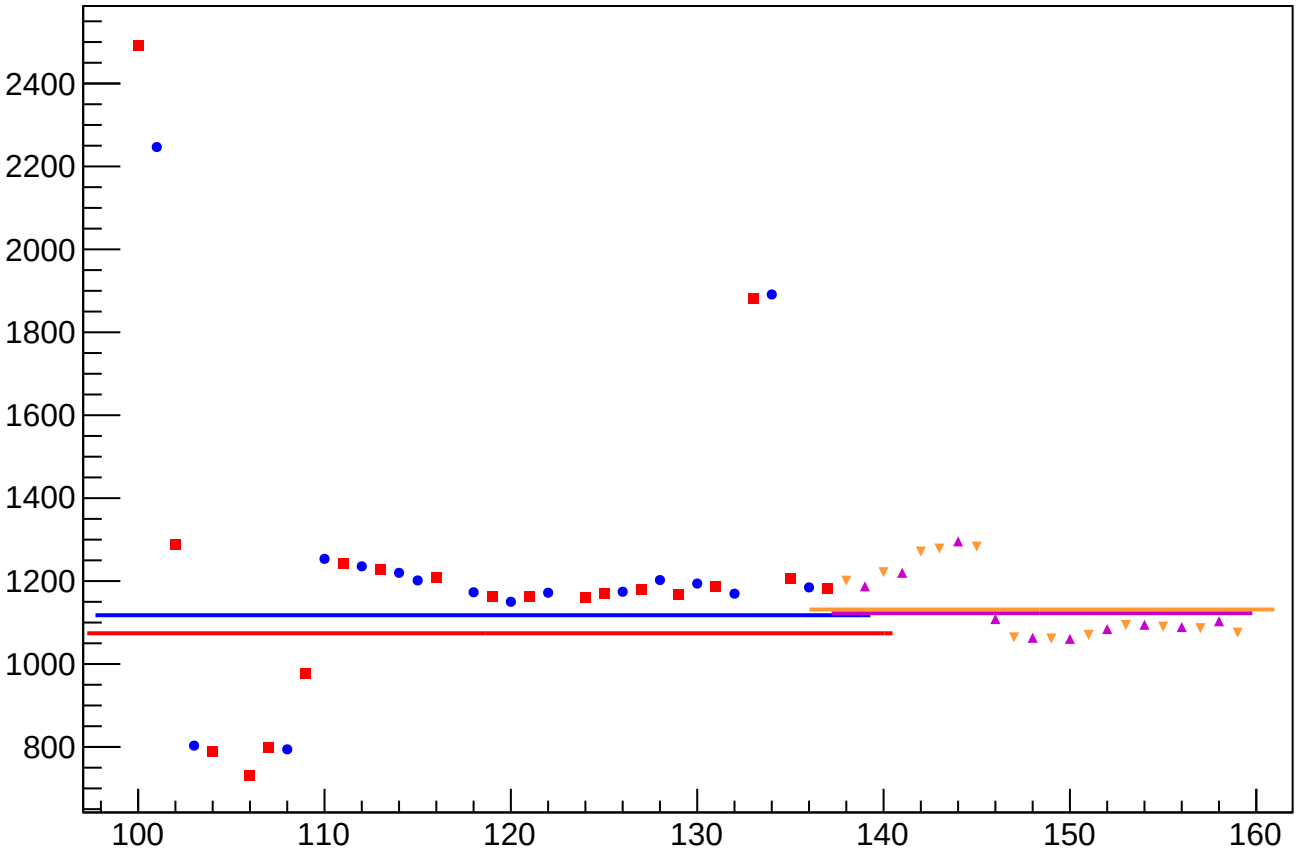
Left: 375.195+/-264.308 χ^2/NDF: 32.5/21

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -612.253+/-284.314 χ^2/NDF:15.1/25

Out: 619.390+/-273.940 χ^2/NDF:37.5/30

All: 26.446+/-197.270 χ^2/NDF: 62.3/56



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1131.445+/-0.260 χ^2/NDF:100474.9/11

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

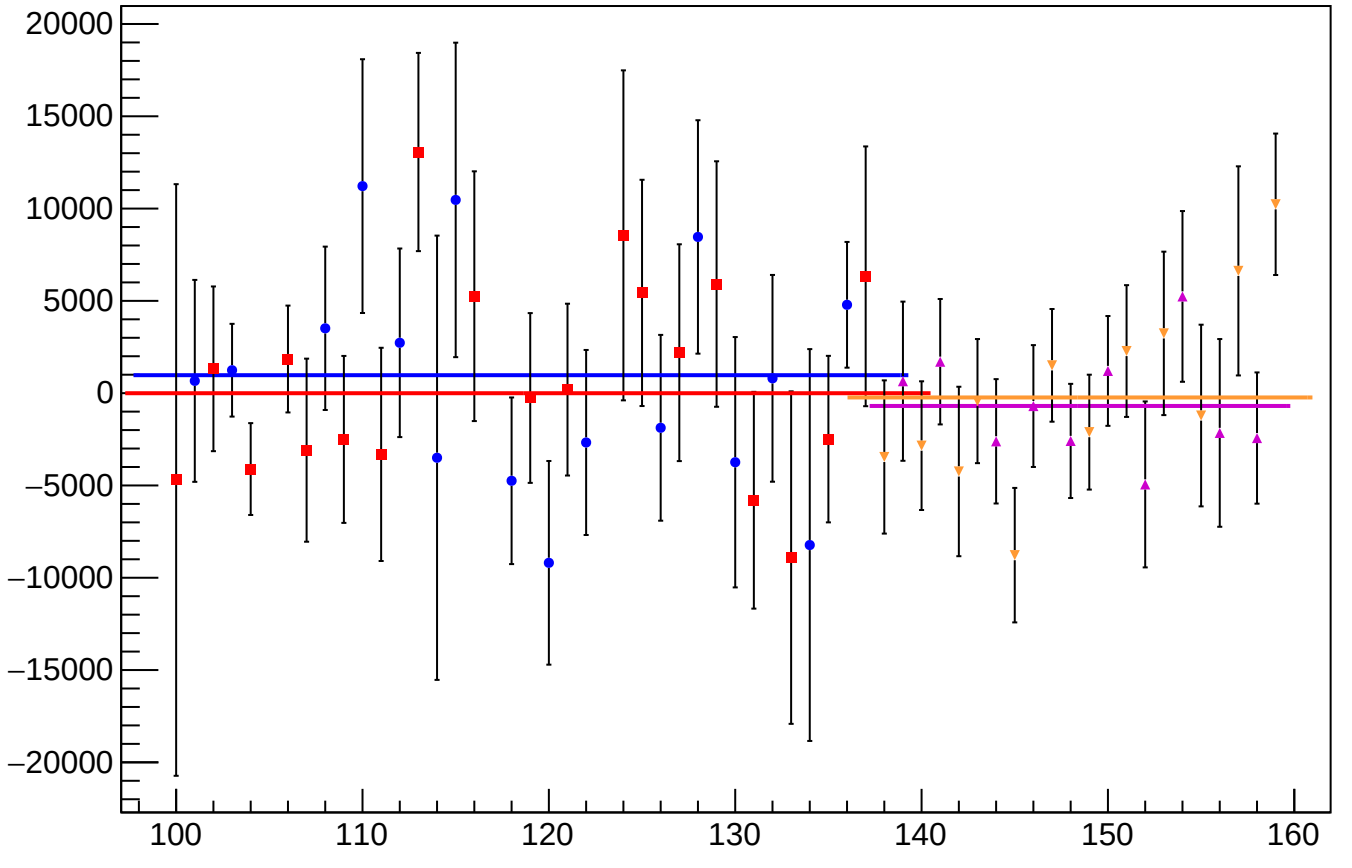
Left: 1127.190+/-0.187 χ^2/NDF: 166557.1/21

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1120.431+/-0.201 χ^2/NDF:885508.0/25

Out: 1105.809+/-0.193 χ^2/NDF:771775.9/30

All: 1112.822+/-0.139 χ^2/NDF: 1660036.9/56



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -232.864+/-1096.158 χ^2/NDF:18.2/11

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -693.262+/-1153.248 χ^2/NDF:4.6/9

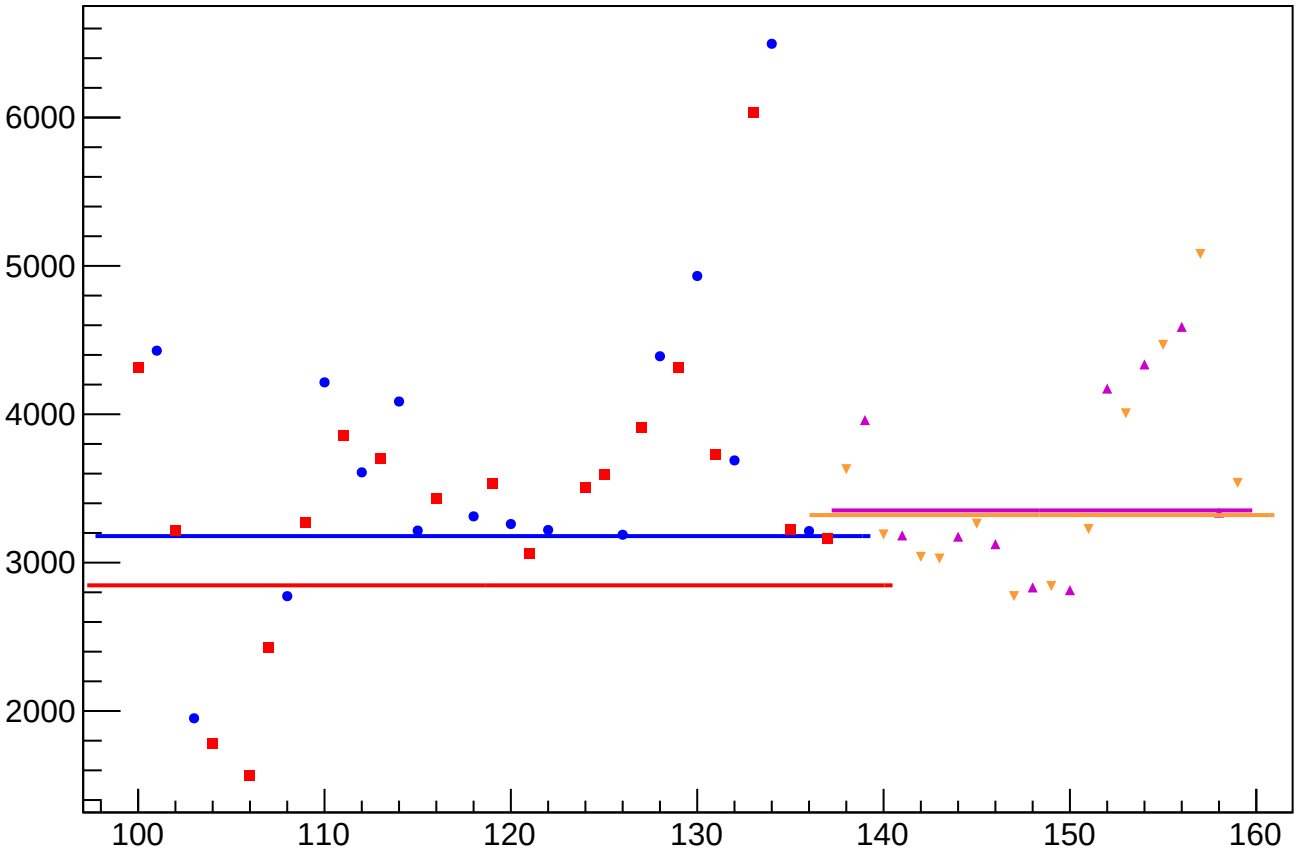
Left: -451.386+/-794.517 χ^2/NDF: 22.8/21

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 84.760+/-842.175 χ^2/NDF:19.3/25

Out: -119.720+/-781.297 χ^2/NDF:34.8/30

All: -25.137+/-572.774 χ^2/NDF: 54.2/56



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3320.612+/-0.775 χ^2/NDF:505836.7/11

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3352.078+/-0.815 χ^2/NDF:457079.3/9

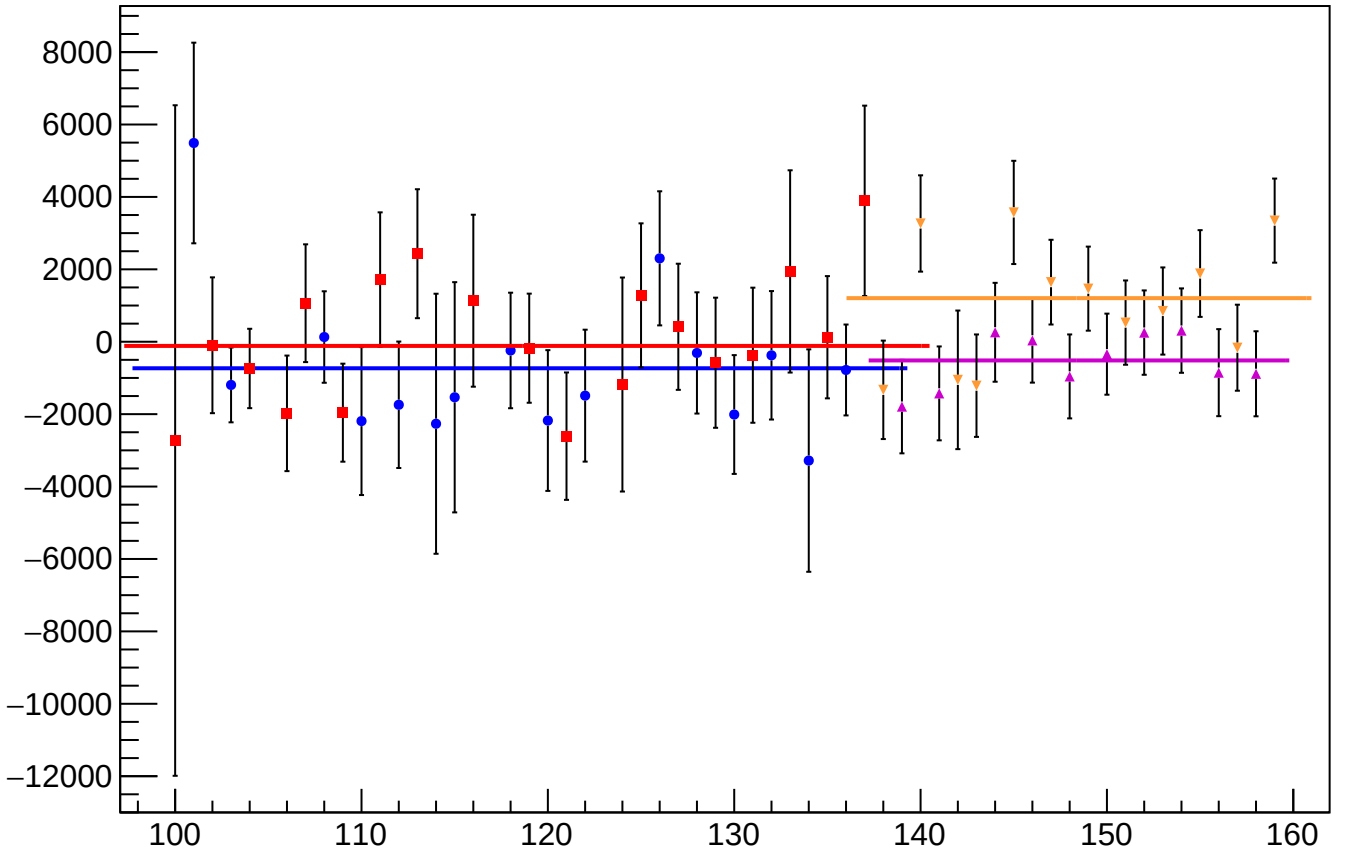
Left: 3335.547+/-0.562 χ^2/NDF: 963698.2/21

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3271.239+/-0.596 χ^2/NDF:1569812.0/25

Out: 3087.615+/-0.552 χ^2/NDF:2200669.4/30

All: 3172.551+/-0.405 χ^2/NDF: 3821581.3/56



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1204.309+/-367.154 χ^2/NDF:18.6/11

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -516.641+/-380.796 χ^2/NDF:3.3/9

Left: 375.214+/-264.308 χ^2/NDF: 32.5/21

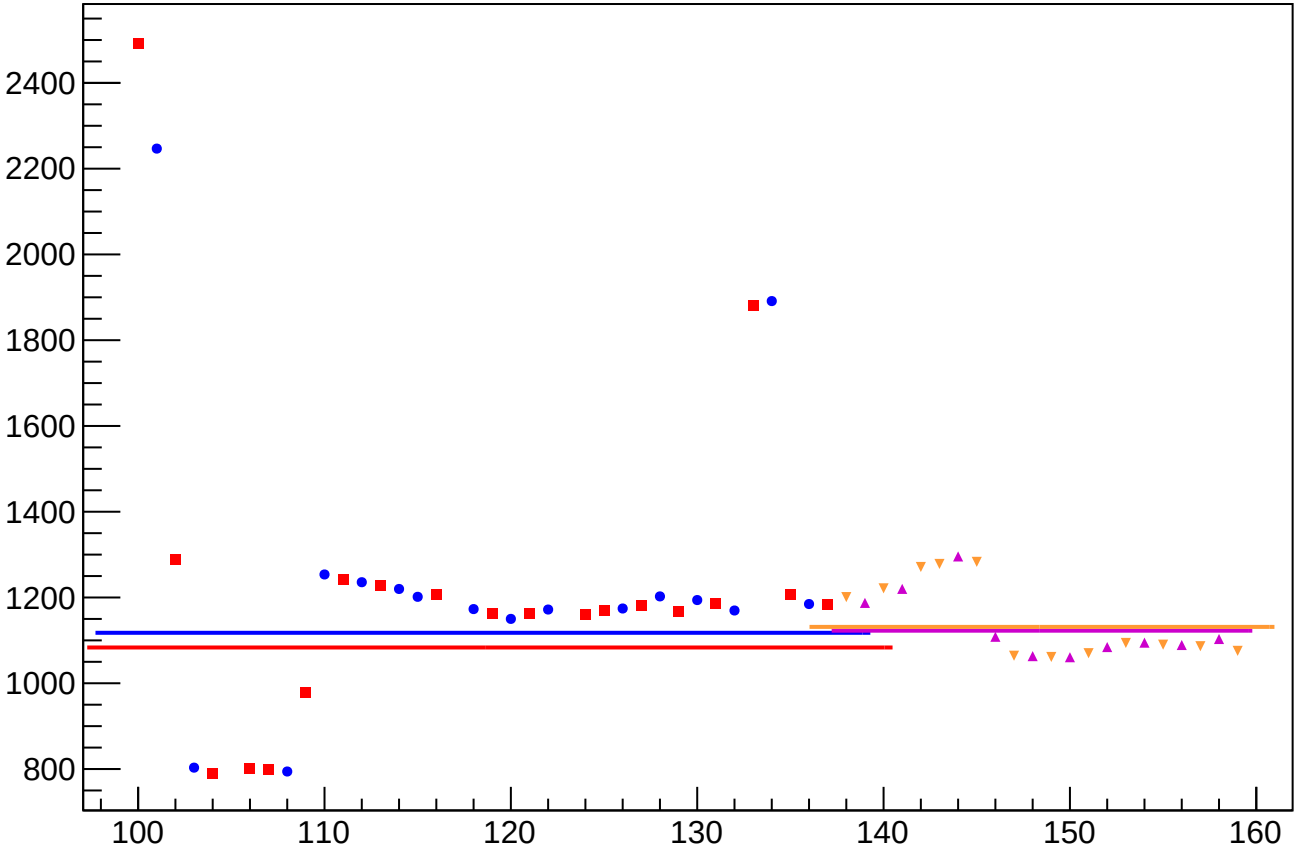
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -612.249+/-284.314 χ^2/NDF:15.1/25

Out: 619.320+/-273.941 χ^2/NDF:37.5/30

All: 26.410+/-197.271 χ^2/NDF: 62.3/56

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1131.445+/-0.260 χ^2/NDF:100474.9/11

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

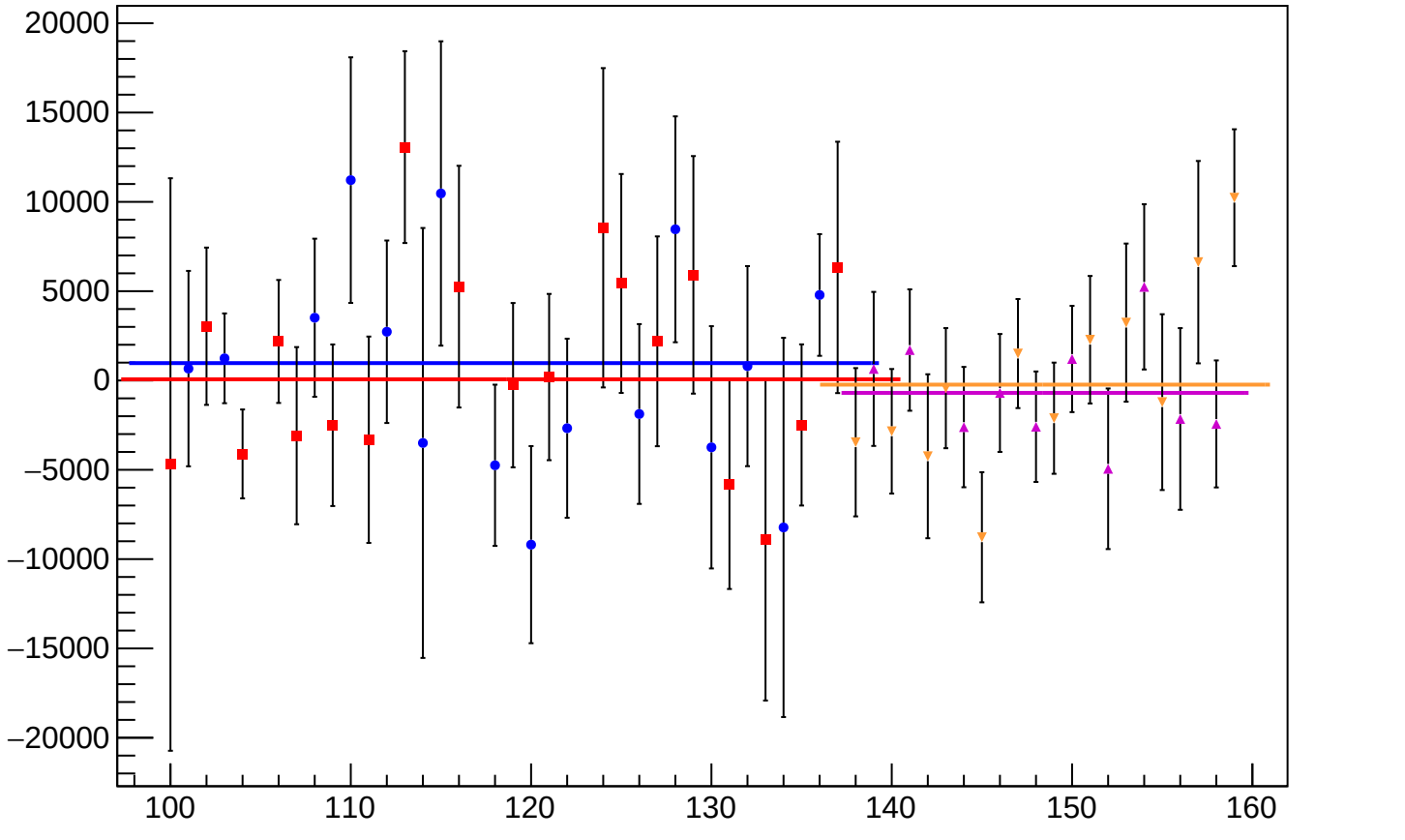
Left: 1127.190+/-0.187 χ^2/NDF: 166557.1/21

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1120.432+/-0.201 χ^2/NDF:885504.6/25

Out: 1110.110+/-0.194 χ^2/NDF:710692.8/30

All: 1115.075+/-0.139 χ^2/NDF: 1597565.4/56



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -232.859+/-1096.157 χ^2/NDF:18.2/11

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -693.303+/-1153.248 χ^2/NDF:4.6/9

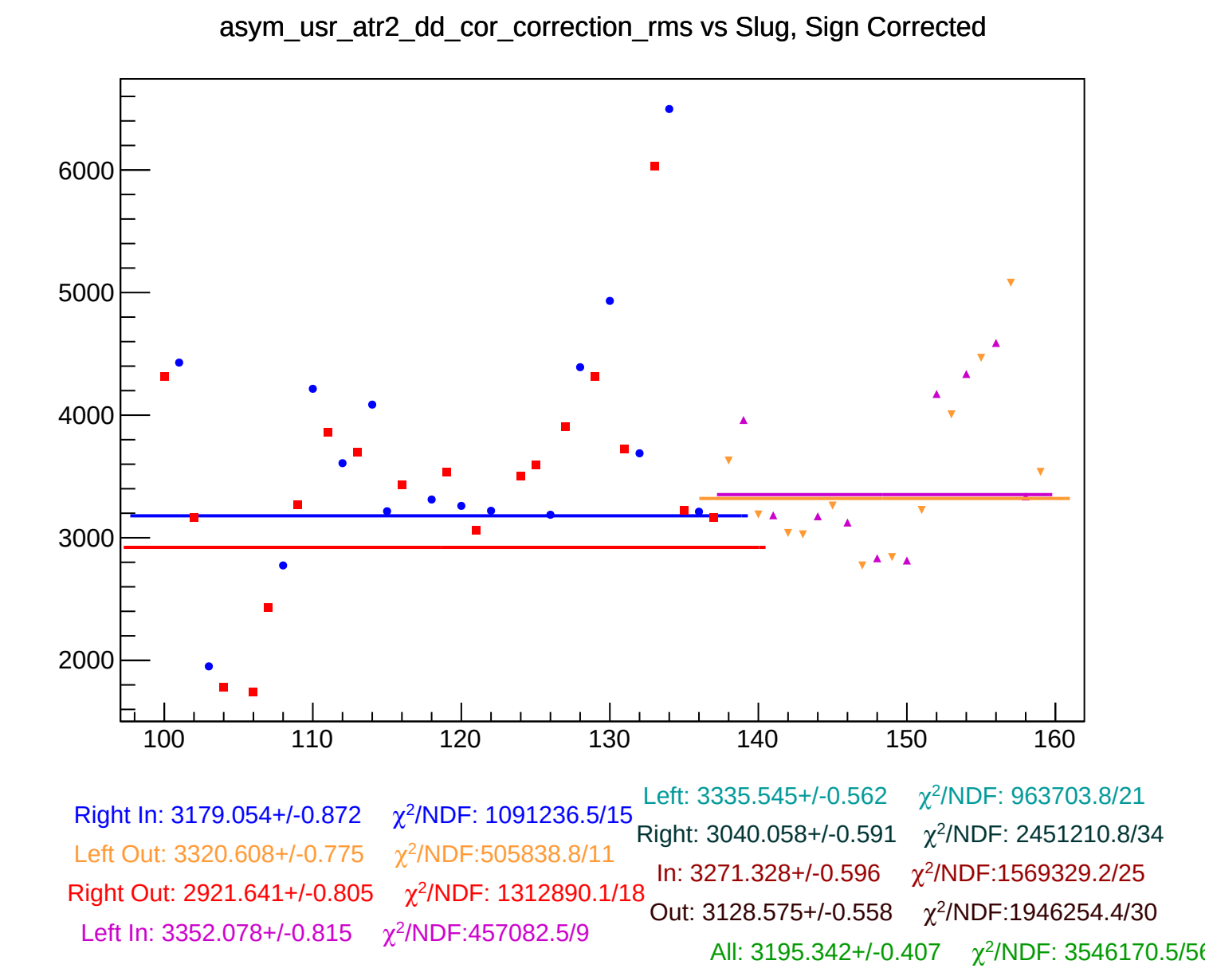
Left: -451.402+/-794.516 χ^2/NDF: 22.8/21

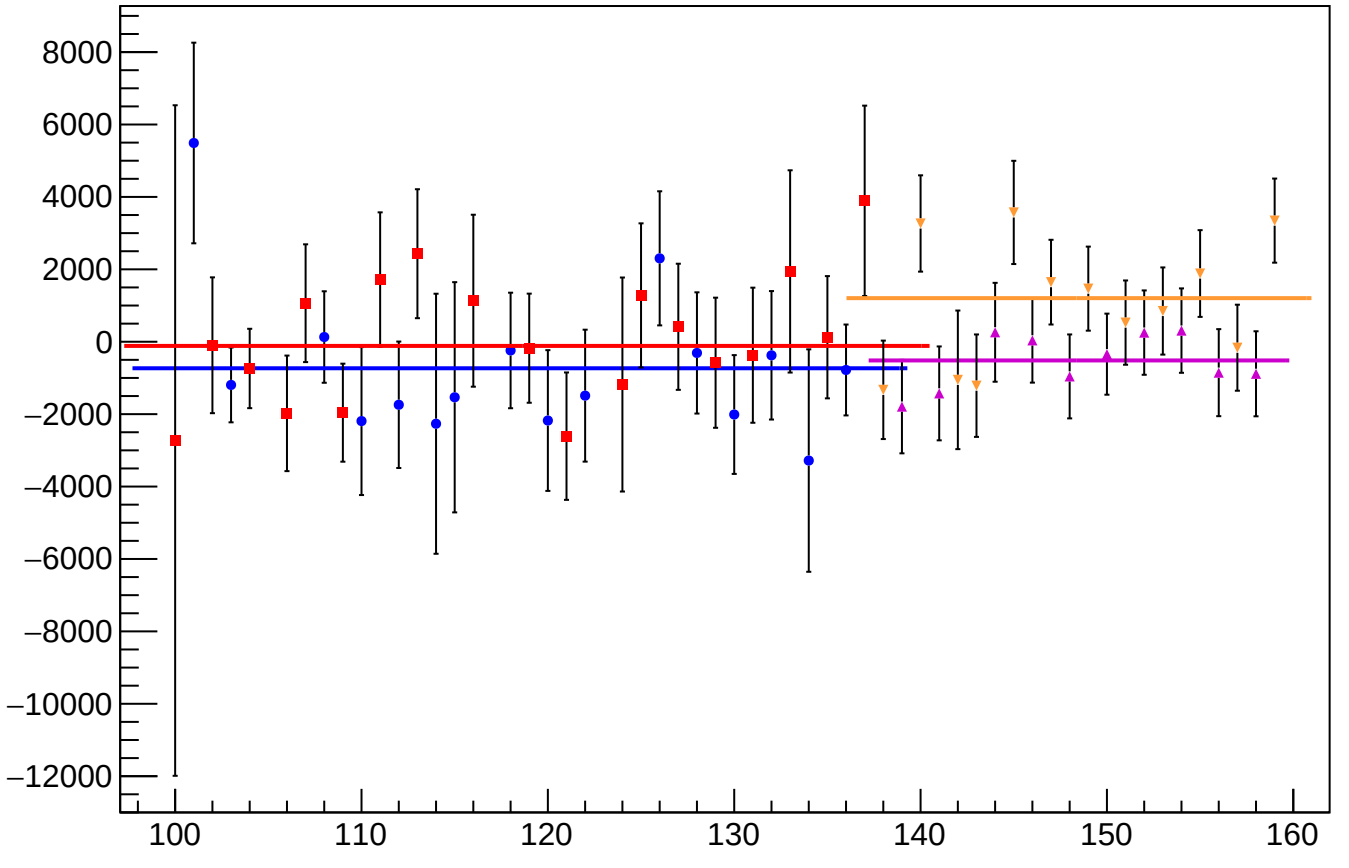
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 84.472+/-842.191 χ^2/NDF:19.3/25

Out: -88.475+/-789.442 χ^2/NDF:35.2/30

All: -7.587+/-575.965 χ^2/NDF: 54.5/56


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3320.608+/-0.775 χ²/NDF:505838.8/11
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3352.078+/-0.815 χ²/NDF:457082.5/9
Left: 3335.545+/-0.562 χ²/NDF: 963703.8/21
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3271.328+/-0.596 χ²/NDF:1569329.2/25
Out: 3128.575+/-0.558 χ²/NDF:1946254.4/30
All: 3195.342+/-0.407 χ²/NDF: 3546170.5/56



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1204.309+/-367.154 χ^2/NDF:18.6/11

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -516.641+/-380.796 χ^2/NDF:3.3/9

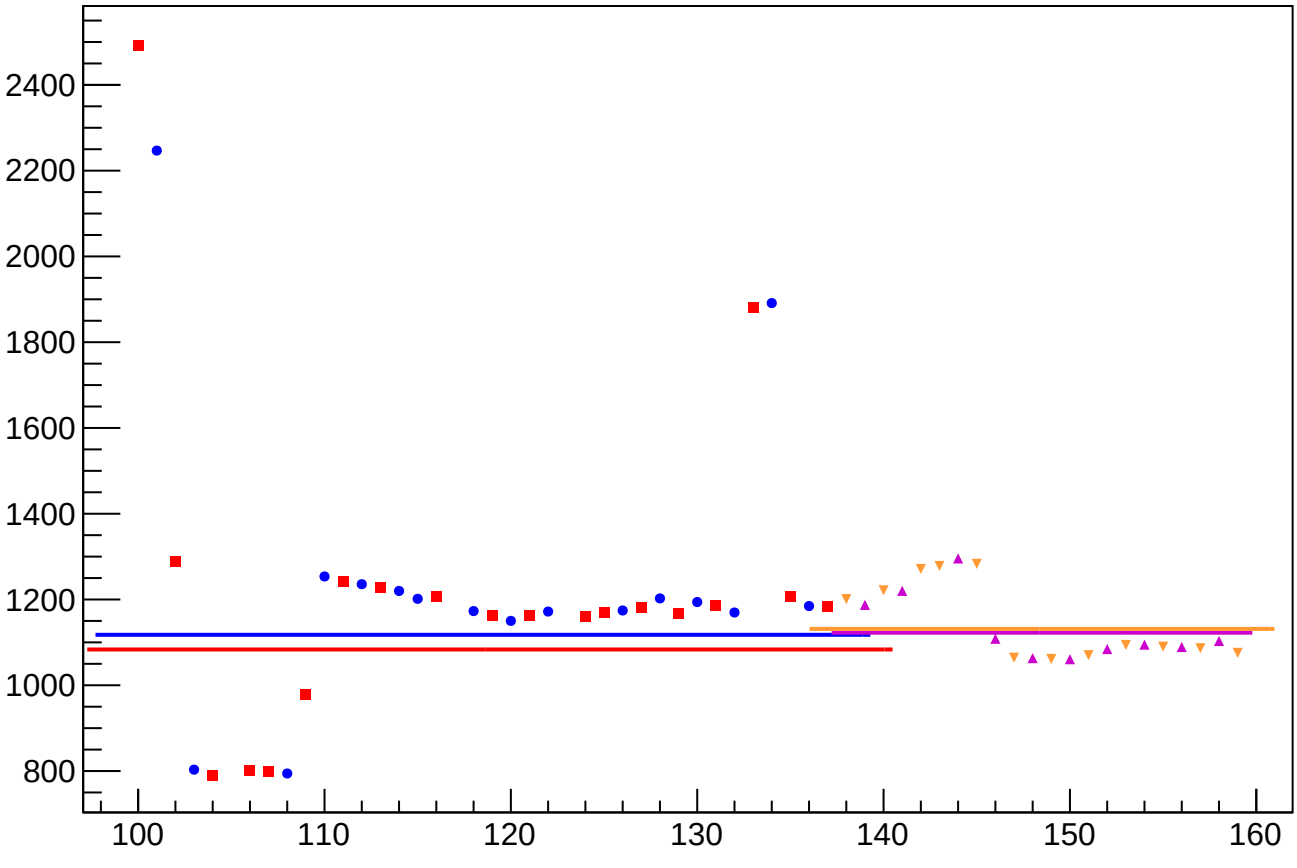
Left: 375.214+/-264.308 χ^2/NDF: 32.5/21

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -612.249+/-284.314 χ^2/NDF:15.1/25

Out: 619.320+/-273.941 χ^2/NDF:37.5/30

All: 26.410+/-197.271 χ^2/NDF: 62.3/56



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1131.445+/-0.260 χ^2/NDF:100474.9/11

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

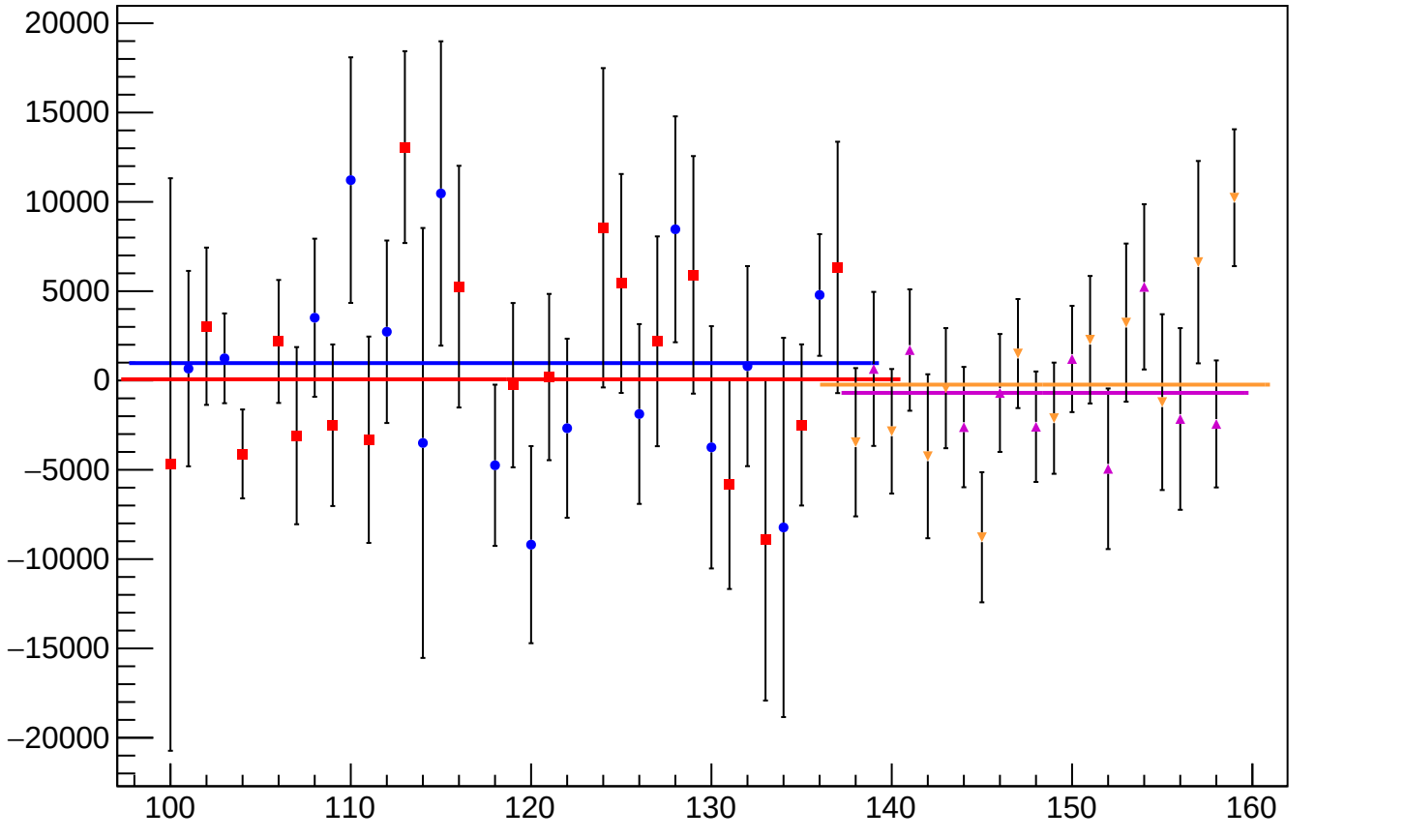
Left: 1127.190+/-0.187 χ^2/NDF: 166557.1/21

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1120.432+/-0.201 χ^2/NDF:885504.6/25

Out: 1110.110+/-0.194 χ^2/NDF:710692.8/30

All: 1115.075+/-0.139 χ^2/NDF: 1597565.4/56



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -232.859+/-1096.157 χ^2/NDF:18.2/11

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -693.303+/-1153.248 χ^2/NDF:4.6/9

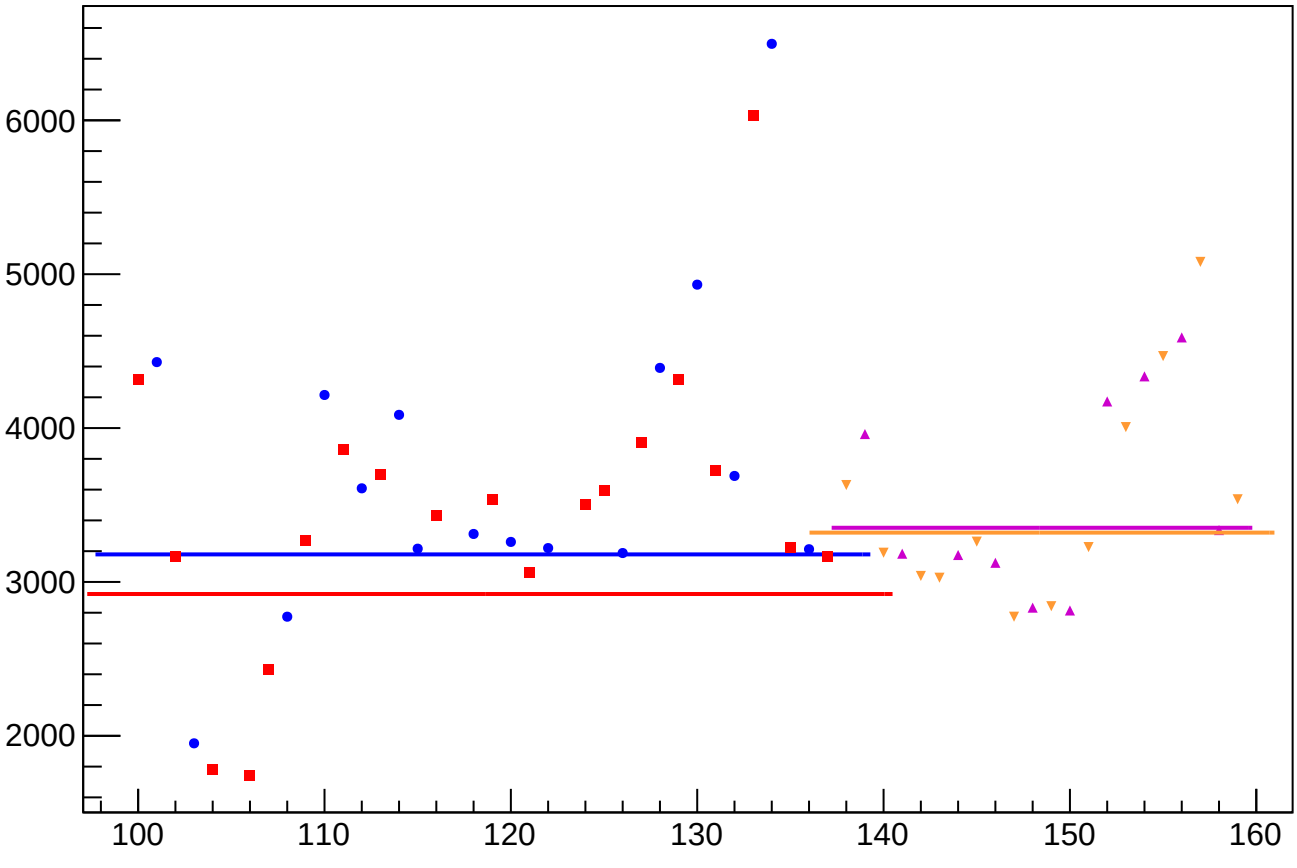
Left: -451.402+/-794.516 χ^2/NDF: 22.8/21

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 84.472+/-842.191 χ^2/NDF:19.3/25

Out: -88.475+/-789.442 χ^2/NDF:35.2/30

All: -7.587+/-575.965 χ^2/NDF: 54.5/56


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
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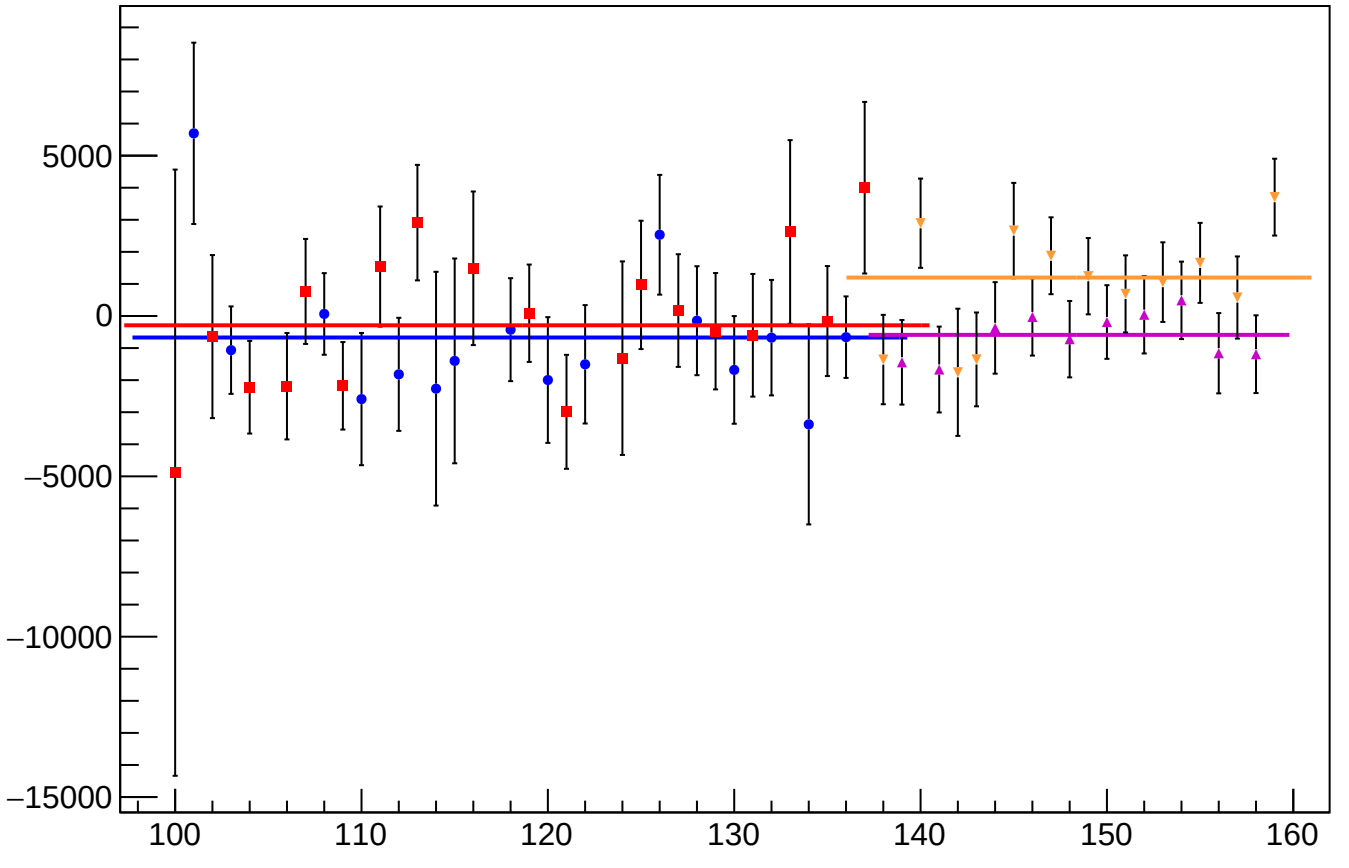
160
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3320.608+/-0.775 χ²/NDF:505838.8/11
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3352.078+/-0.815 χ²/NDF:457082.5/9
Left: 3335.545+/-0.562 χ²/NDF: 963703.8/21
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3271.328+/-0.596 χ²/NDF:1569329.2/25
Out: 3128.575+/-0.558 χ²/NDF:1946254.4/30
All: 3195.342+/-0.407 χ²/NDF: 3546170.5/56



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1198.315+/-380.775 χ^2/NDF:16.3/11

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -588.495+/-393.159 χ^2/NDF:3.0/9

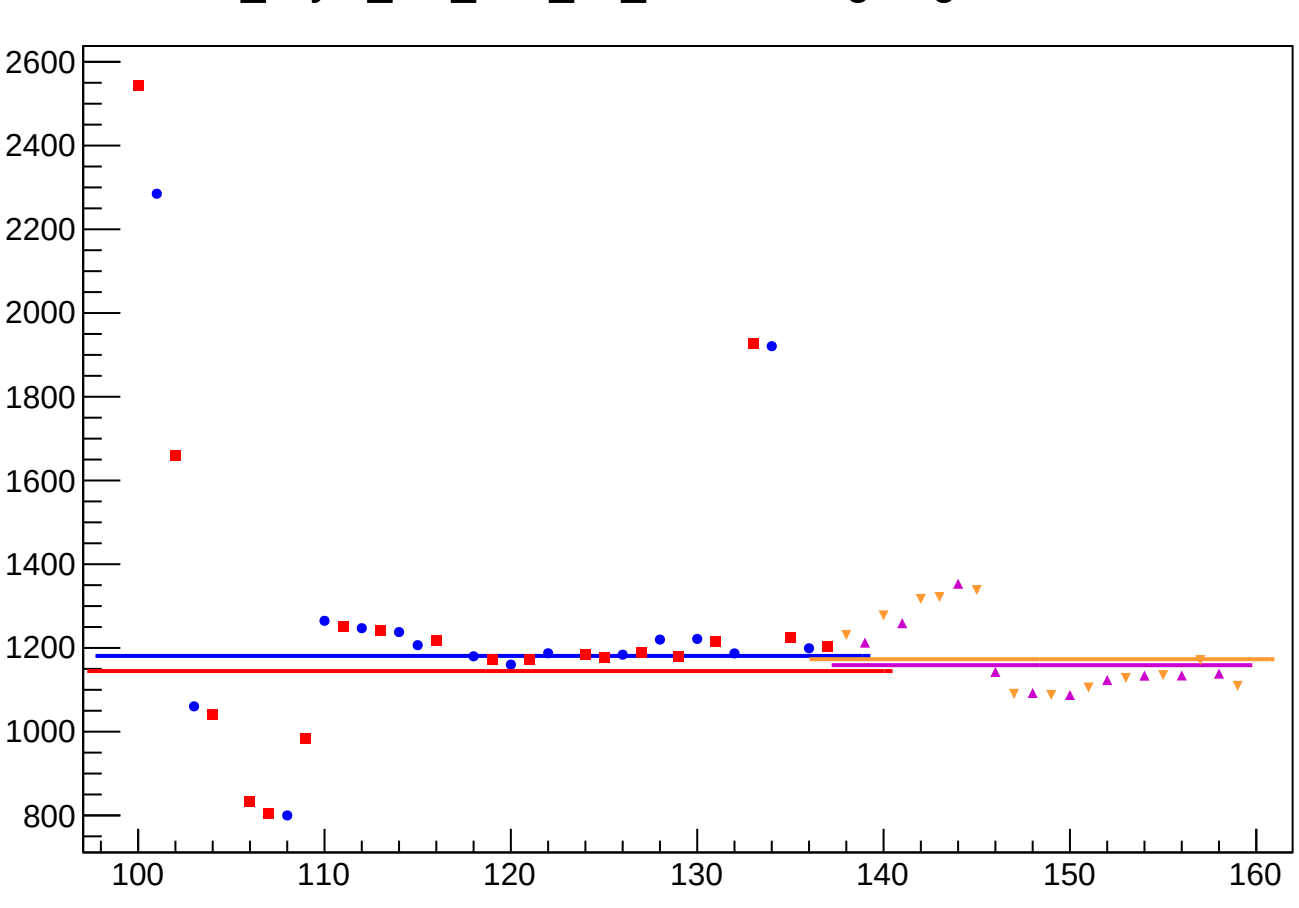
Left: 333.493+/-273.522 χ^2/NDF: 30.0/21

Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -624.267+/-295.646 χ^2/NDF:14.8/25

Out: 551.549+/-286.349 χ^2/NDF:39.9/30

All: -17.580+/-205.688 χ^2/NDF: 62.9/56



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1173.133+/-0.269 χ^2/NDF:106883.1/11

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1158.855+/-0.278 χ^2/NDF:69938.9/9

Left: 1166.222+/-0.193 χ^2/NDF: 178182.9/21

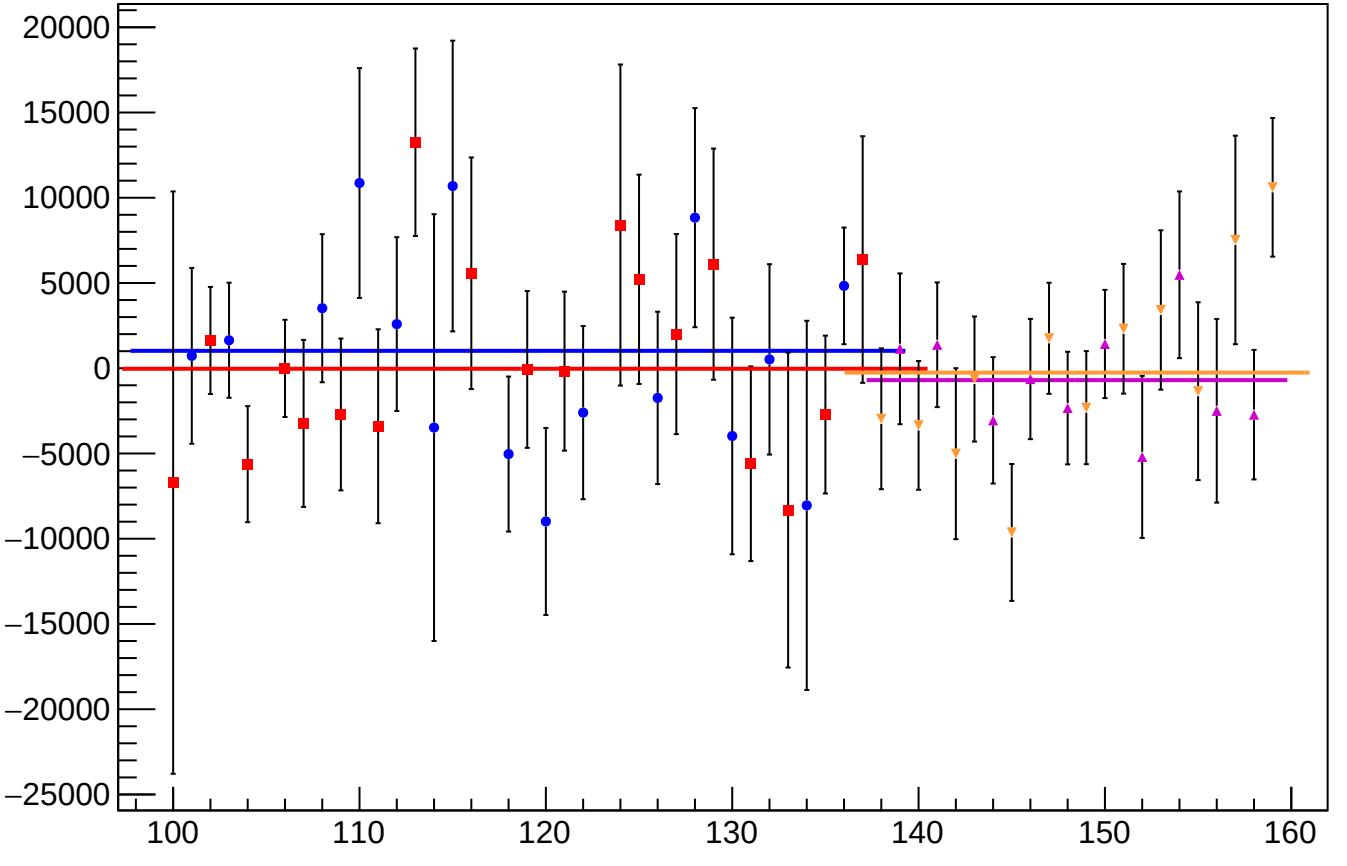
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1168.459+/-0.209 χ^2/NDF:694563.5/25

Out: 1160.806+/-0.202 χ^2/NDF:609435.2/30

All: 1164.510+/-0.145 χ^2/NDF: 1304690.1/56

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -257.466+/-1171.319 χ^2/NDF:18.1/11

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -698.277+/-1231.036 χ^2/NDF:4.5/9

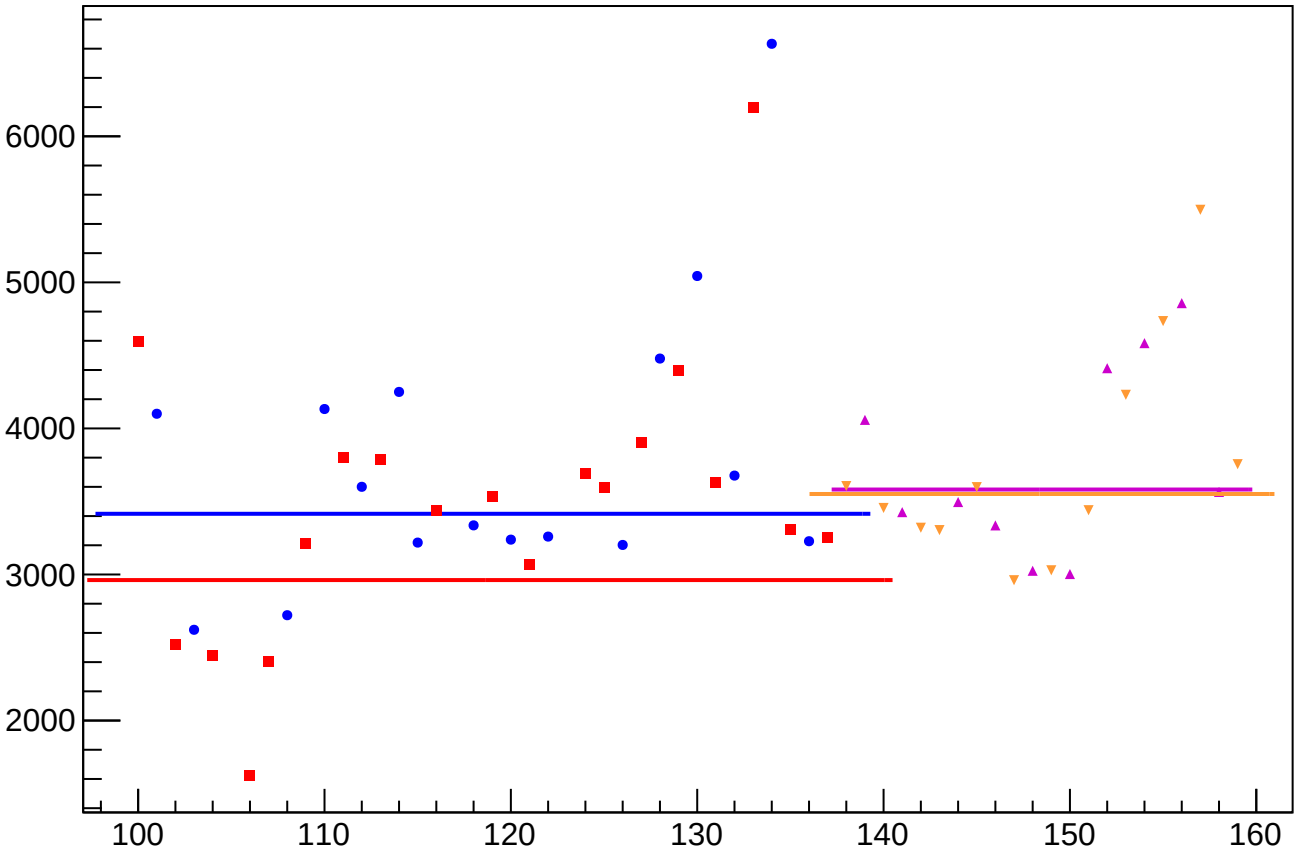
Left: -466.921+/-848.574 χ^2/NDF: 22.7/21

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 112.972+/-894.649 χ^2/NDF:19.3/25

Out: -139.795+/-813.523 χ^2/NDF:34.3/30

All: -25.389+/-601.889 χ^2/NDF: 53.6/56



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3551.116+/-0.828 χ^2/NDF:485066.5/11

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3581.721+/-0.870 χ^2/NDF:418301.8/9

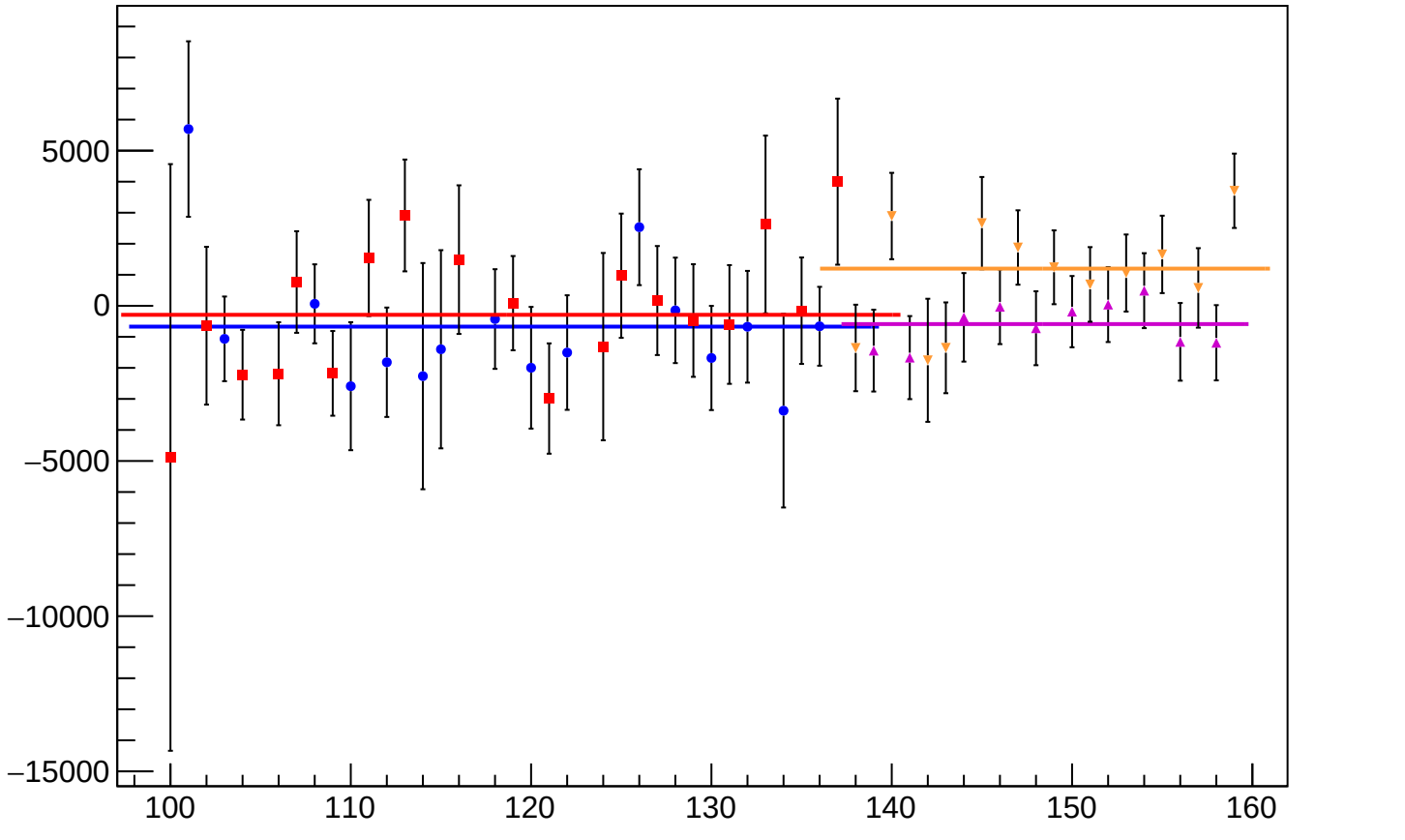
Left: 3565.658+/-0.600 χ^2/NDF: 904017.1/21

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3503.336+/-0.633 χ^2/NDF:1027831.3/25

Out: 3246.073+/-0.575 χ^2/NDF:1916377.6/30

All: 3362.514+/-0.426 χ^2/NDF: 3034734.7/56



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1198.321+/-380.775 χ^2/NDF:16.3/11

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -588.493+/-393.159 χ^2/NDF:3.0/9

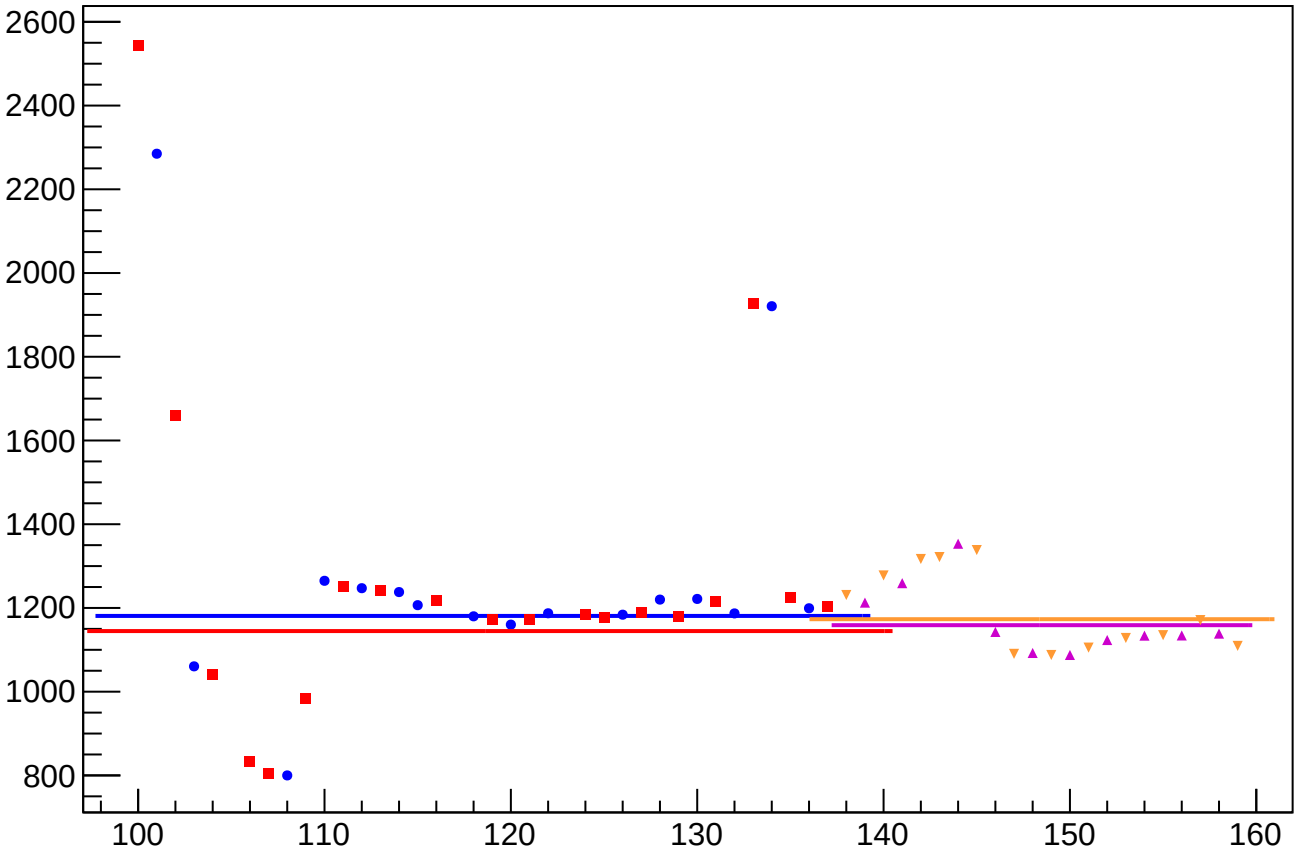
Left: 333.497+/-273.522 χ^2/NDF: 30.0/21

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -624.268+/-295.646 χ^2/NDF:14.8/25

Out: 551.550+/-286.349 χ^2/NDF:39.9/30

All: -17.580+/-205.688 χ^2/NDF: 62.9/56



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1173.133+/-0.269 χ^2/NDF:106883.2/11

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1158.856+/-0.278 χ^2/NDF:69938.5/9

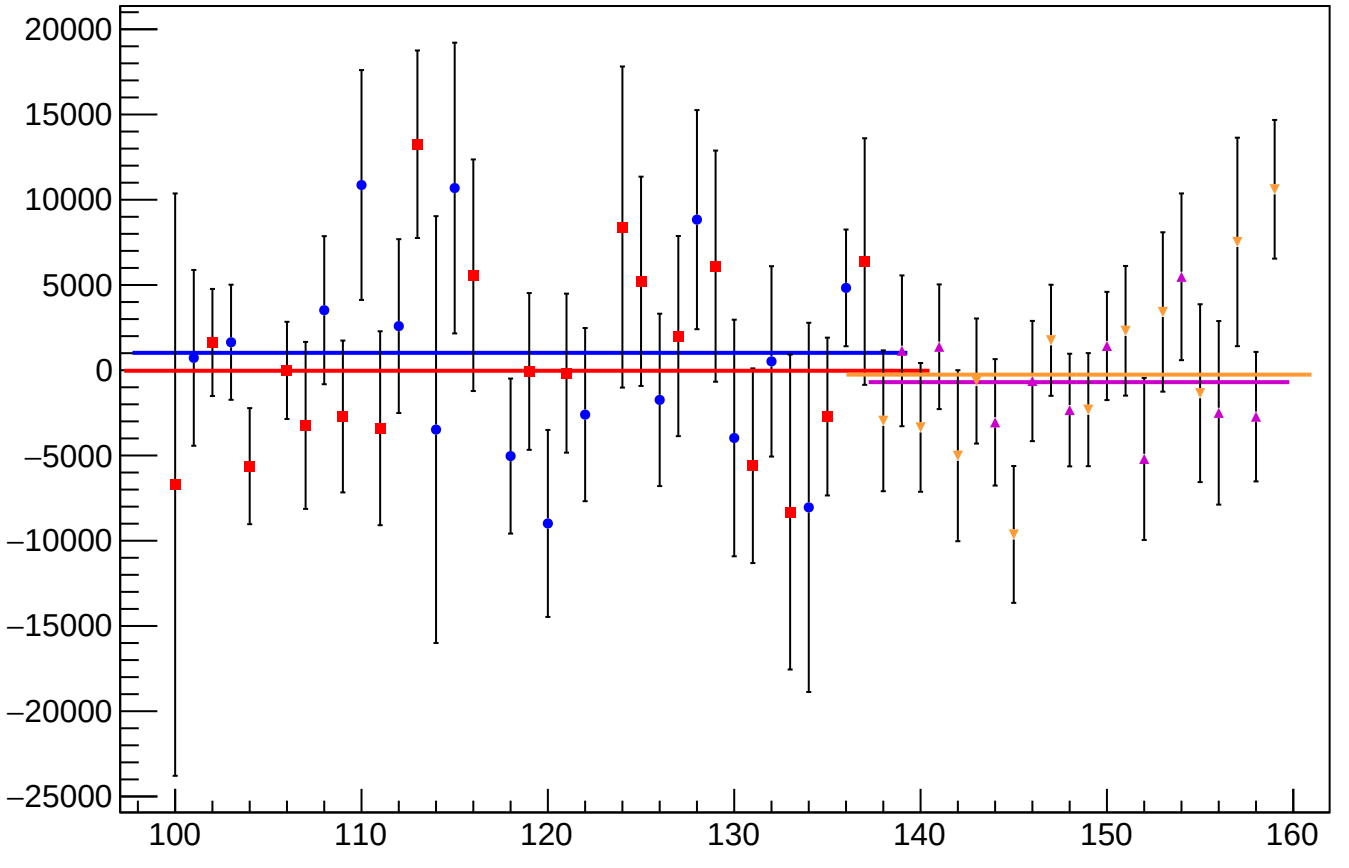
Left: 1166.223+/-0.193 χ^2/NDF: 178182.7/21

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1168.459+/-0.209 χ^2/NDF:694563.3/25

Out: 1160.807+/-0.202 χ^2/NDF:609434.9/30

All: 1164.510+/-0.145 χ^2/NDF: 1304689.6/56



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -257.463+/-1171.321 χ^2/NDF:18.1/11

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -698.274+/-1231.037 χ^2/NDF:4.5/9

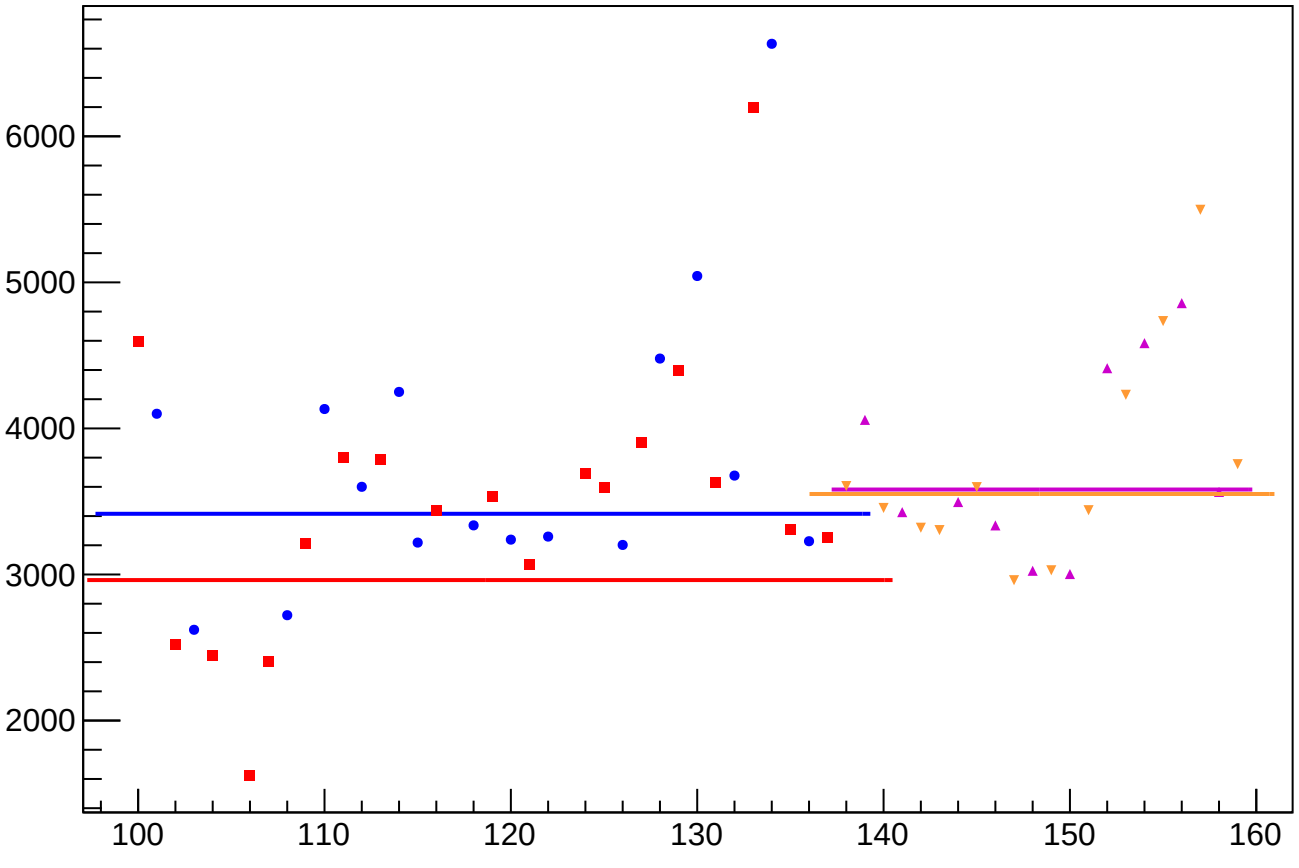
Left: -466.918+/-848.575 χ^2/NDF: 22.7/21

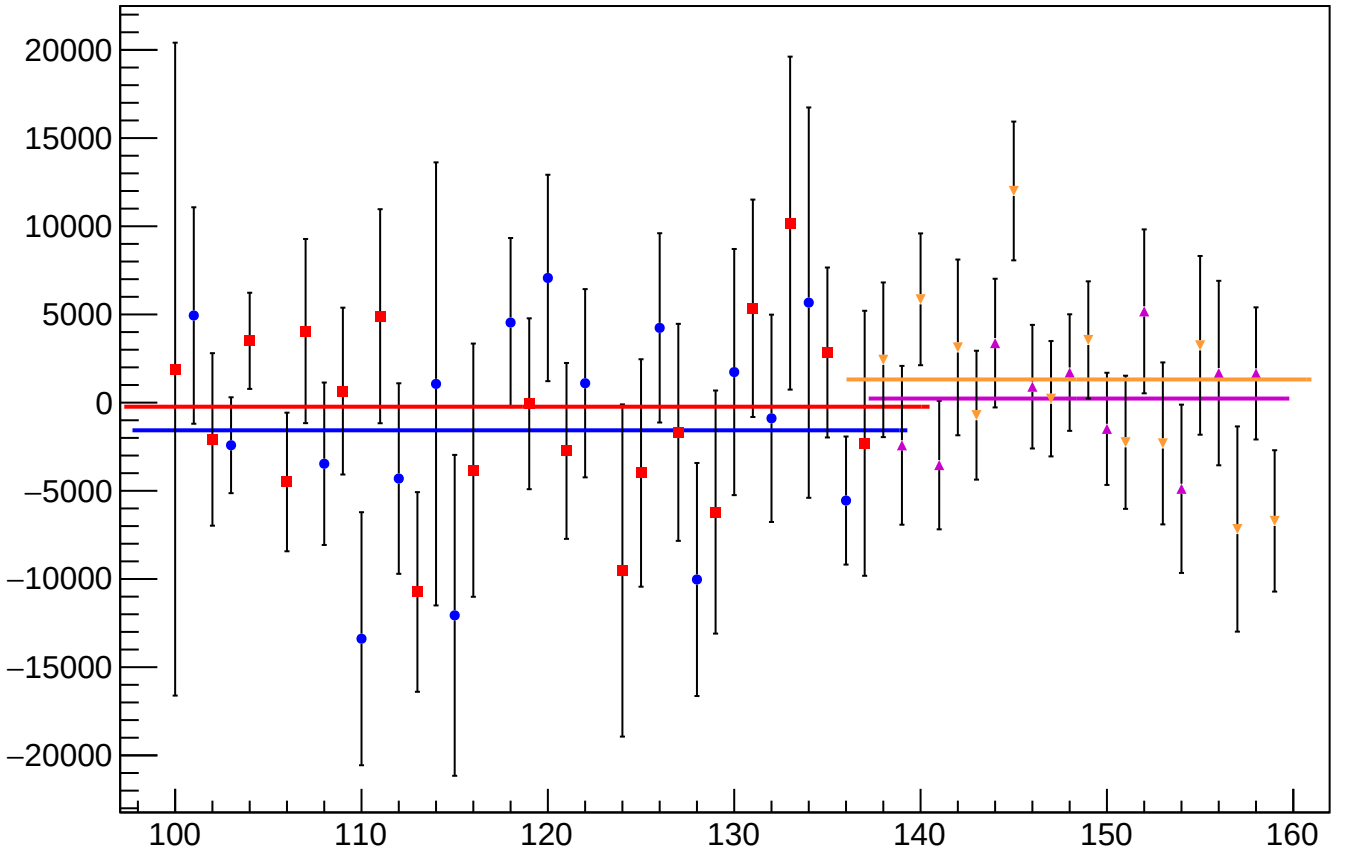
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 112.967+/-894.649 χ^2/NDF:19.3/25

Out: -139.796+/-813.522 χ^2/NDF:34.3/30

All: -25.392+/-601.889 χ^2/NDF: 53.6/56


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3551.120+/-0.828 χ²/NDF:485063.7/11
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3581.725+/-0.870 χ²/NDF:418298.4/9
Left: 3565.662+/-0.600 χ²/NDF: 904010.9/21
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3503.336+/-0.633 χ²/NDF:1027824.5/25
Out: 3246.072+/-0.575 χ²/NDF:1916382.8/30
All: 3362.513+/-0.426 χ²/NDF: 3034734.3/56



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1313.793+/-1165.801 χ^2/NDF:17.7/11

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 231.111+/-1221.945 χ^2/NDF:5.2/9

Left: 797.895+/-843.496 χ^2/NDF: 23.3/21

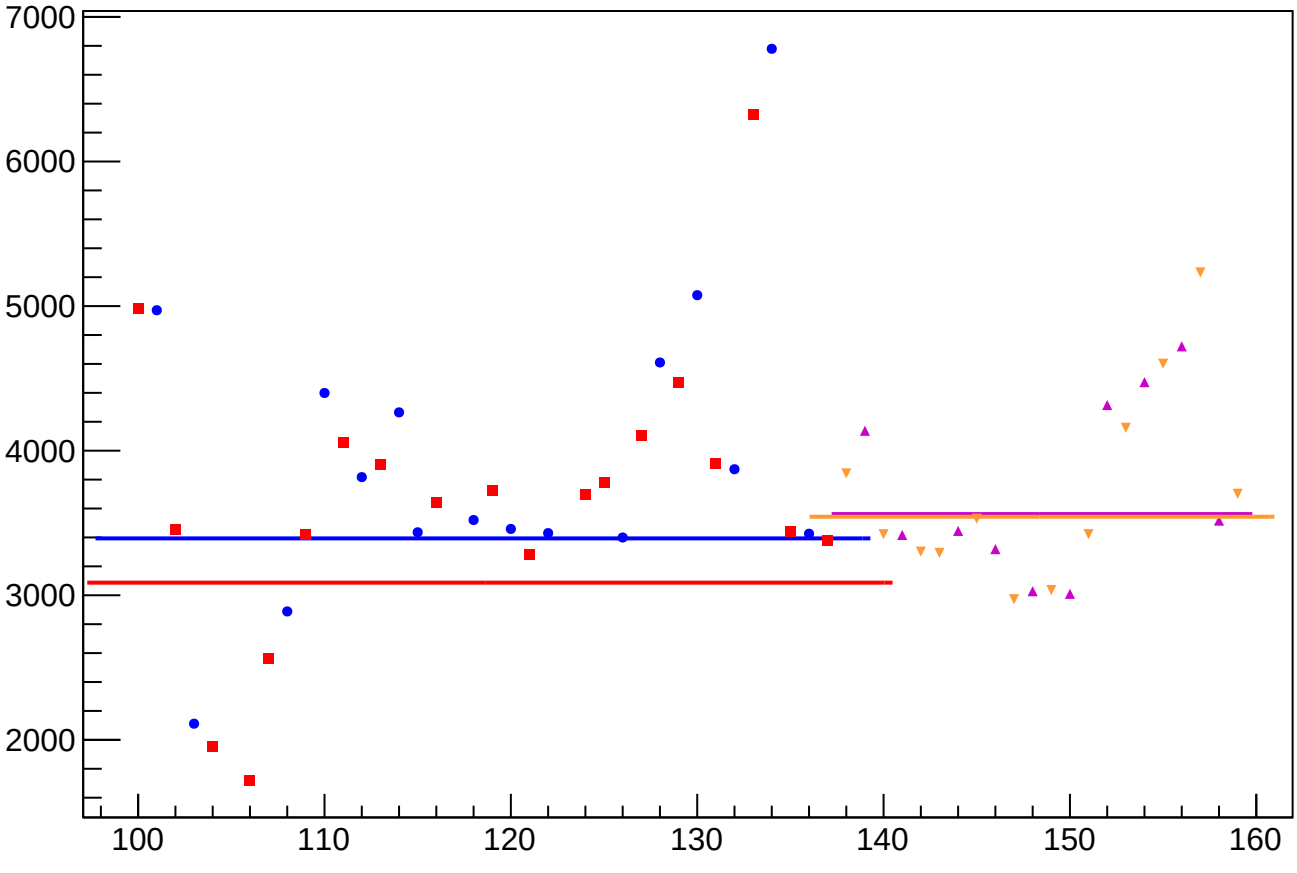
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -604.786+/-894.485 χ^2/NDF:20.7/25

Out: 579.135+/-844.275 χ^2/NDF:31.8/30

All: 21.334+/-613.976 χ^2/NDF: 53.4/56

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3543.167+/-0.824 χ^2/NDF:429995.8/11

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3561.359+/-0.864 χ^2/NDF:384350.1/9

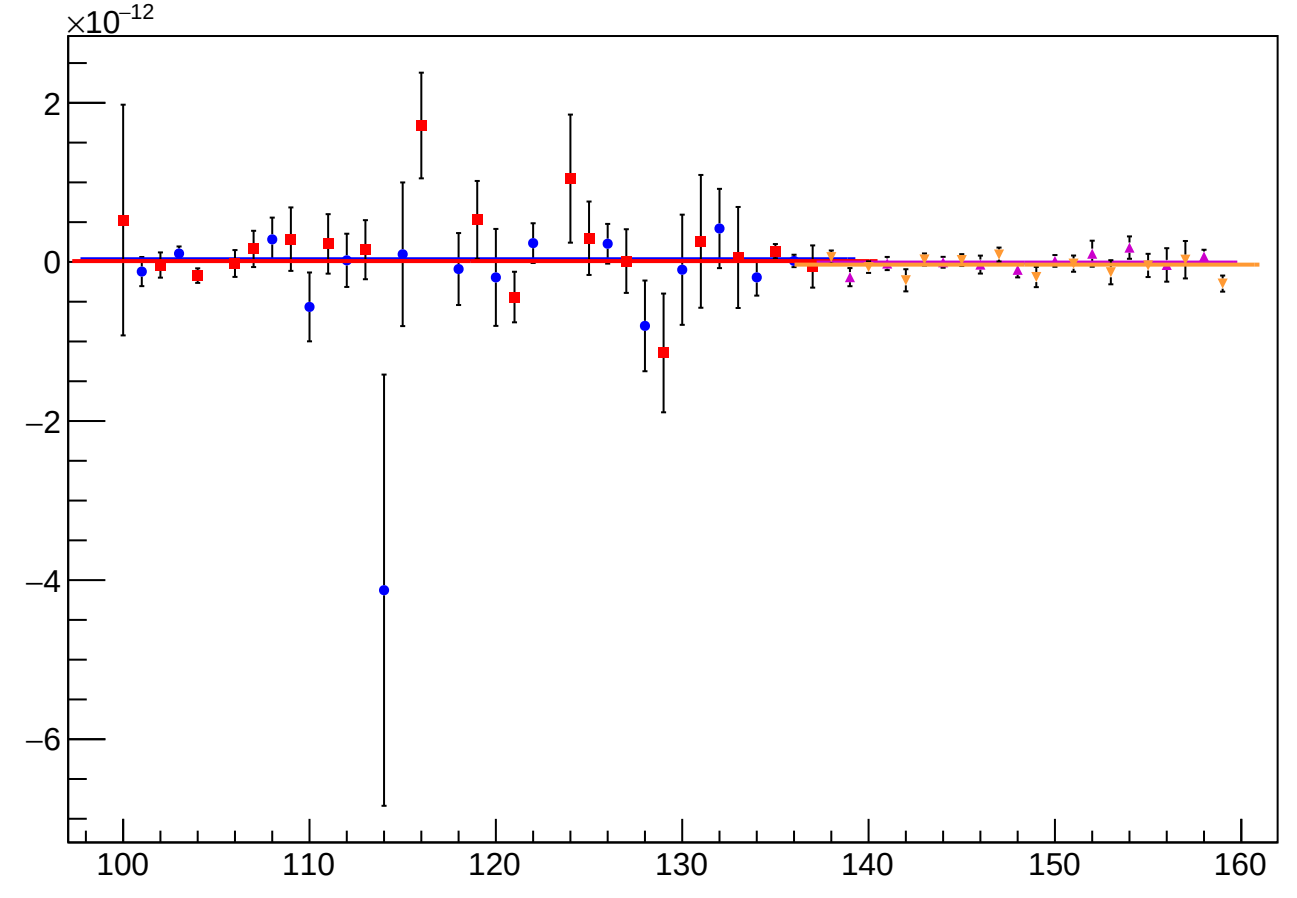
Left: 3551.835+/-0.596 χ^2/NDF: 814578.0/21

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3483.385+/-0.632 χ^2/NDF:1450603.5/25

Out: 3322.547+/-0.592 χ^2/NDF:1906349.9/30

All: 3397.676+/-0.432 χ^2/NDF: 3391411.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/9

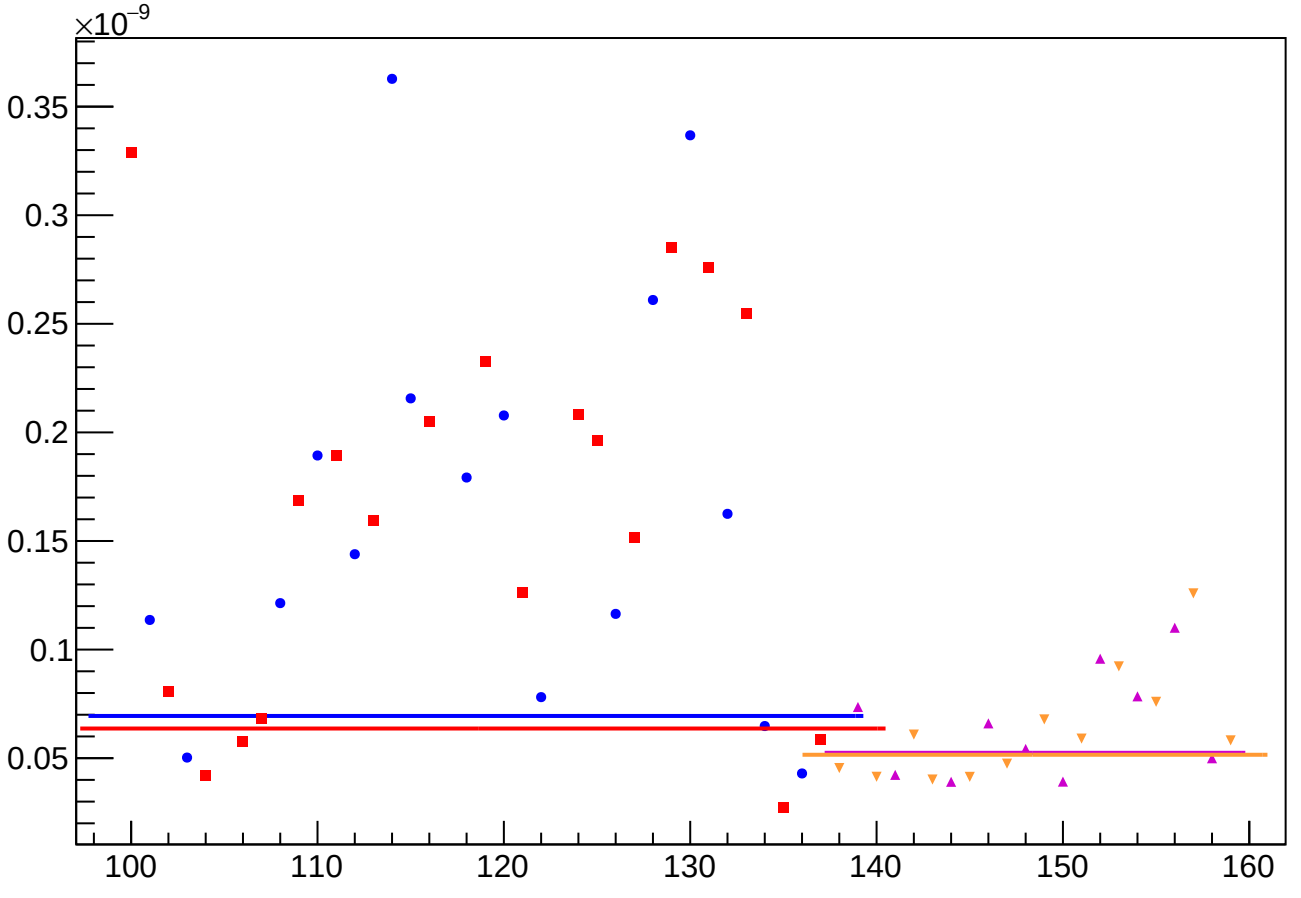
Left: -0.000+/-0.000 χ^2/NDF: 21.5/21

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:19.0/25

Out: -0.000+/-0.000 χ^2/NDF:36.9/30

All: -0.000+/-0.000 χ^2/NDF: 56.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:596014.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:629165.6/9

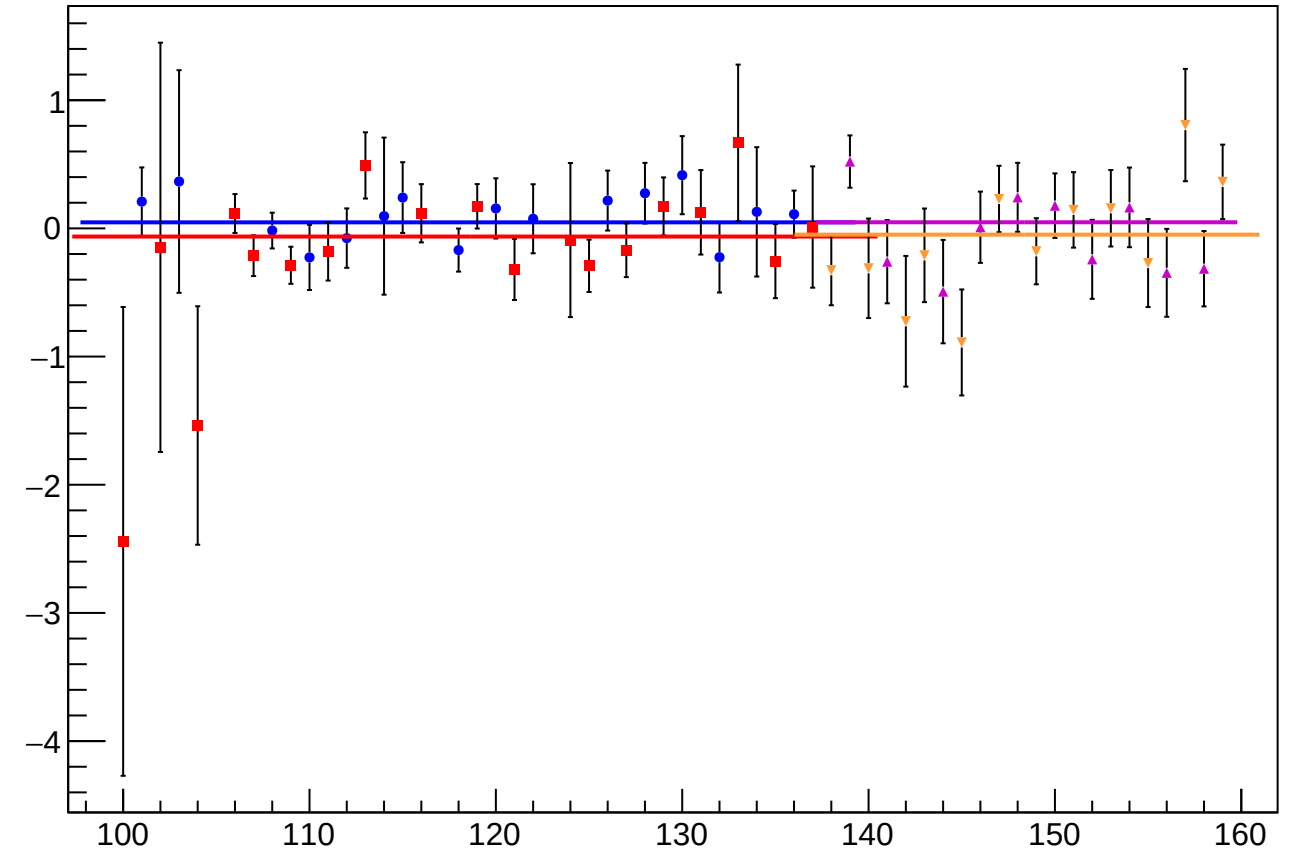
Left: 0.000+/-0.000 χ^2/NDF: 1226105.6/21

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2530922.3/25

Out: 0.000+/-0.000 χ^2/NDF:2935719.3/30

All: 0.000+/-0.000 χ^2/NDF: 5477950.3/56



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.049+/-0.093 χ^2/NDF:16.1/11

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

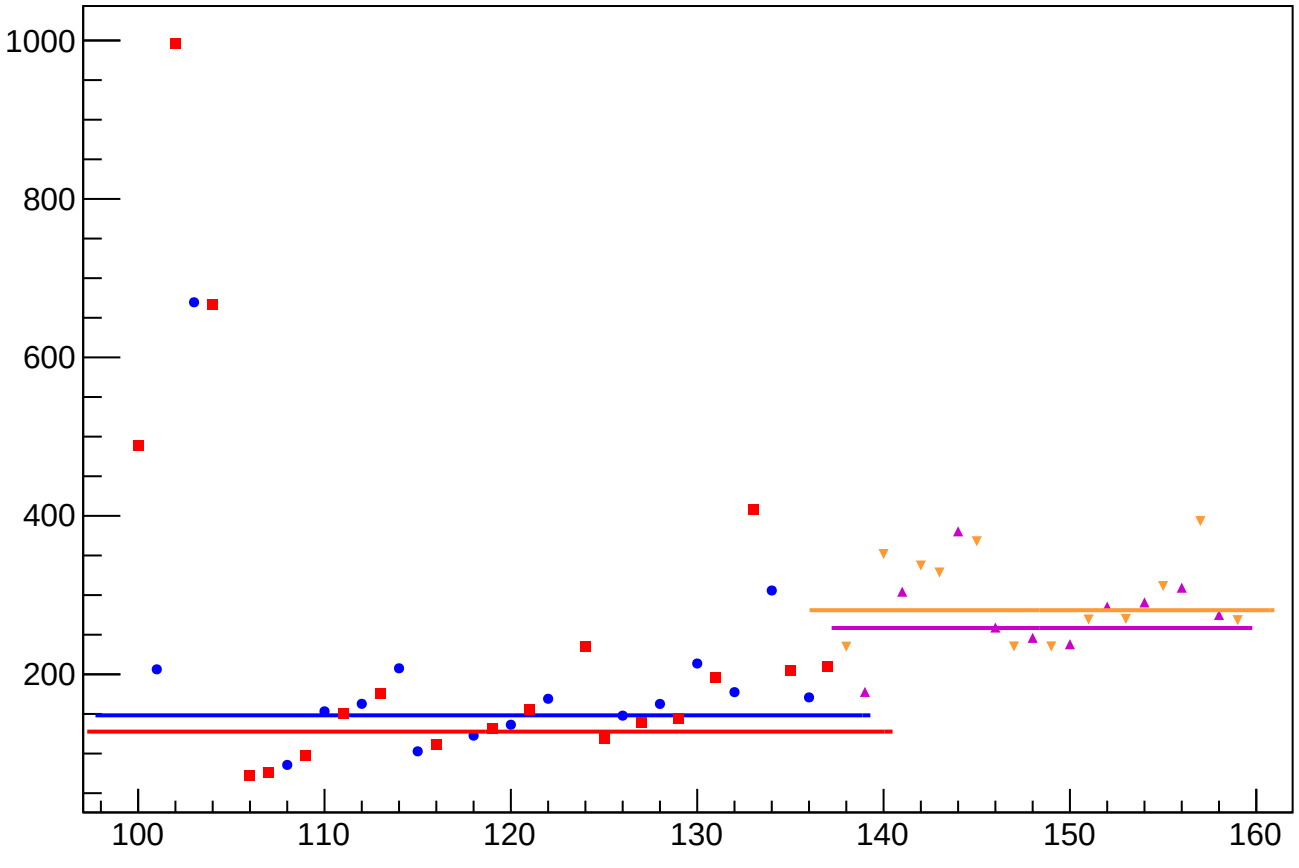
Left: 0.001+/-0.065 χ^2/NDF: 29.4/21

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.009+/-0.034 χ^2/NDF: 62.1/56



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 280.926+/-0.066 χ^2/NDF:552803.4/11

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

Left: 269.344+/-0.046 χ^2/NDF: 1253180.8/21

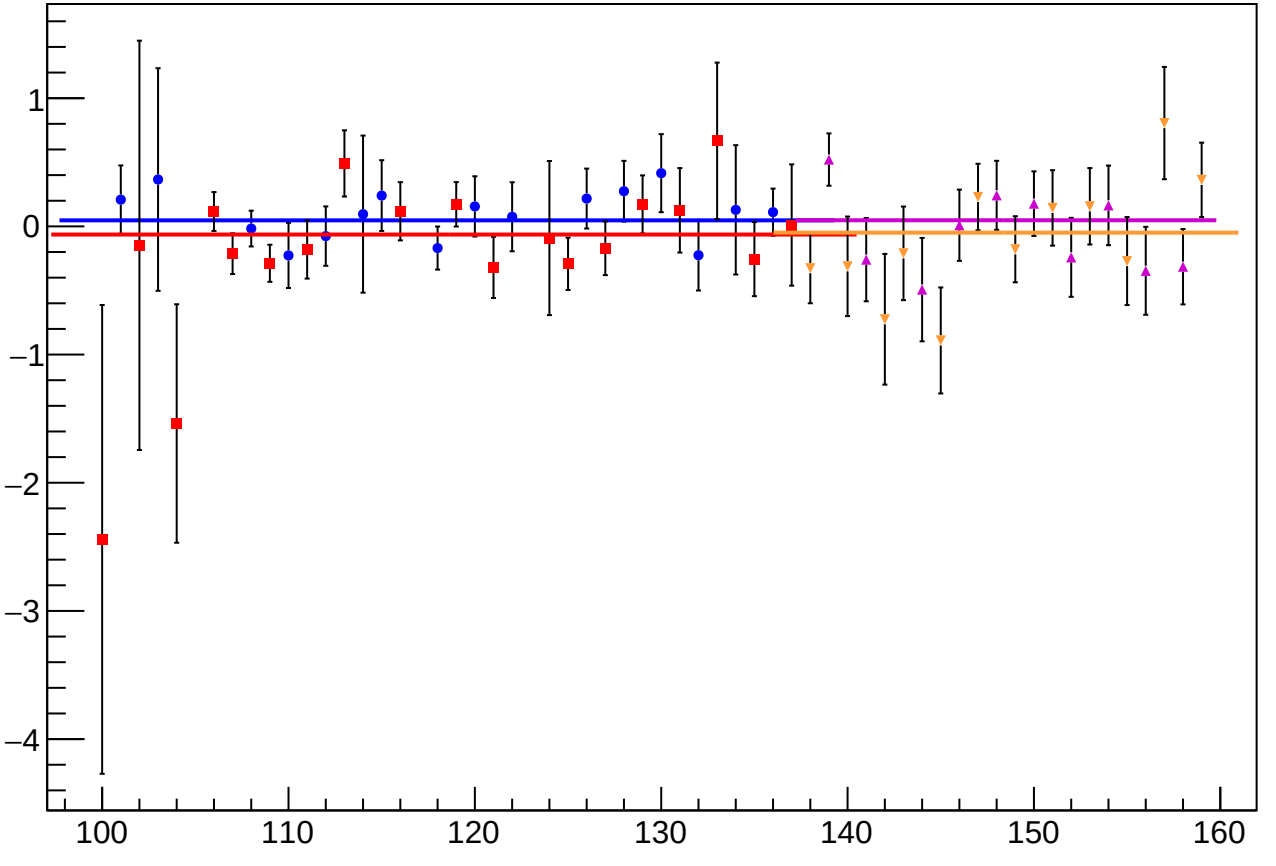
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 182.119+/-0.035 χ^2/NDF:4423323.3/25

Out: 167.000+/-0.033 χ^2/NDF:7426555.1/30

All: 174.120+/-0.024 χ^2/NDF: 11946781.9/56

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: -0.049+/-0.093 χ^2/NDF:16.1/11

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

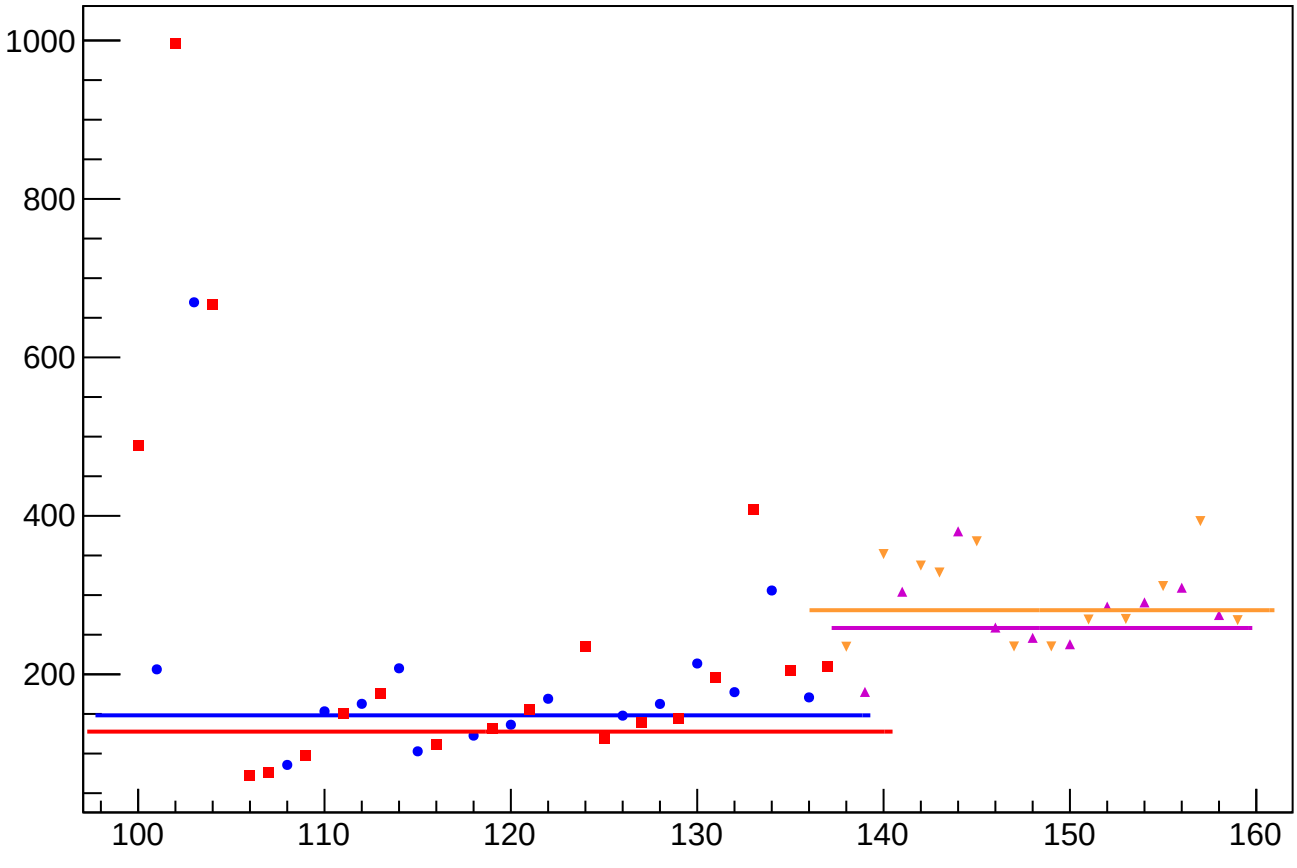
Left: 0.001+/-0.065 χ^2/NDF: 29.4/21

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.009+/-0.034 χ^2/NDF: 62.1/56



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 280.926+/-0.066 χ^2/NDF:552803.4/11

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

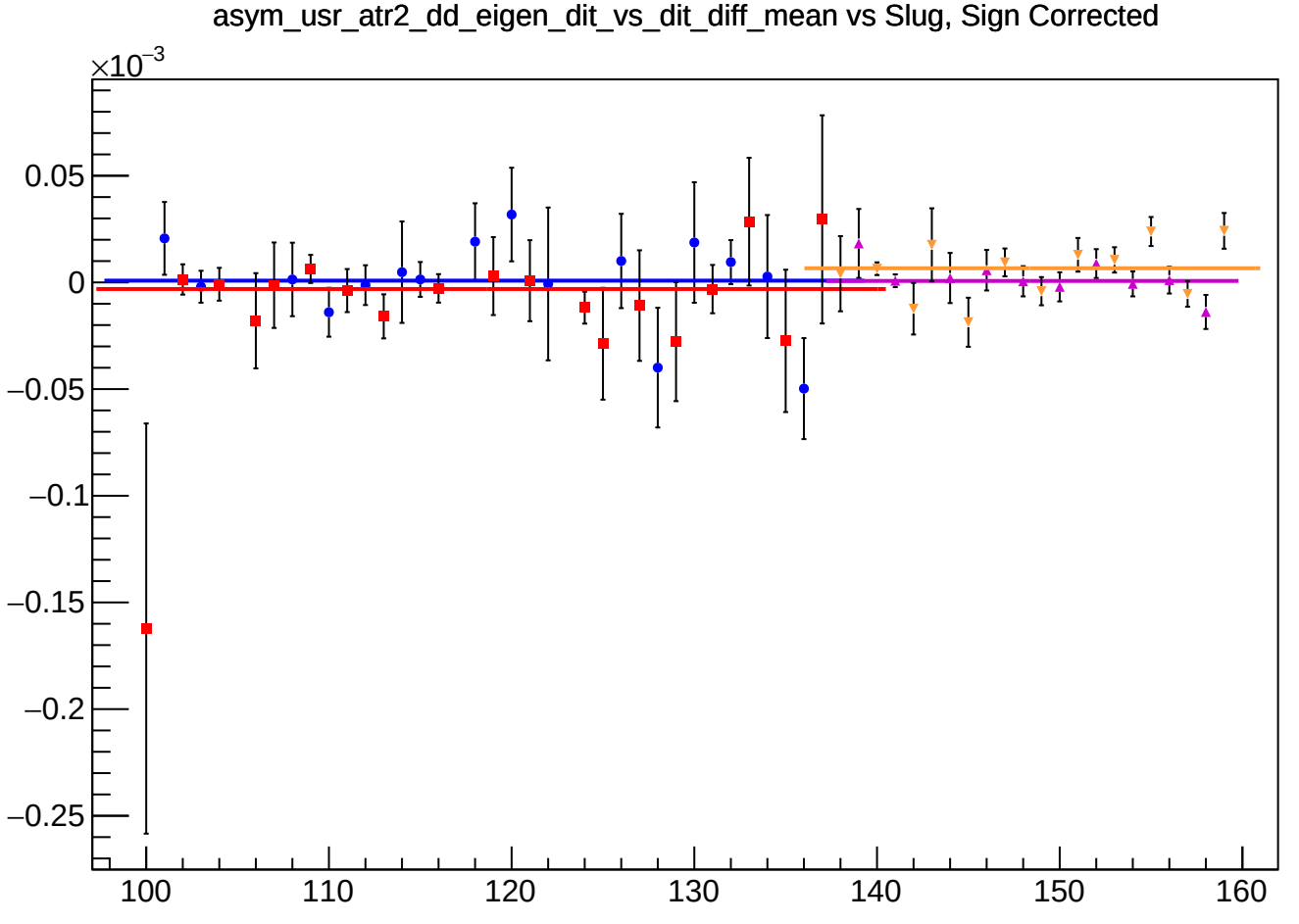
Left: 269.344+/-0.046 χ^2/NDF: 1253180.8/21

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 182.119+/-0.035 χ^2/NDF:4423323.3/25

Out: 167.000+/-0.033 χ^2/NDF:7426555.1/30

All: 174.120+/-0.024 χ^2/NDF: 11946781.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

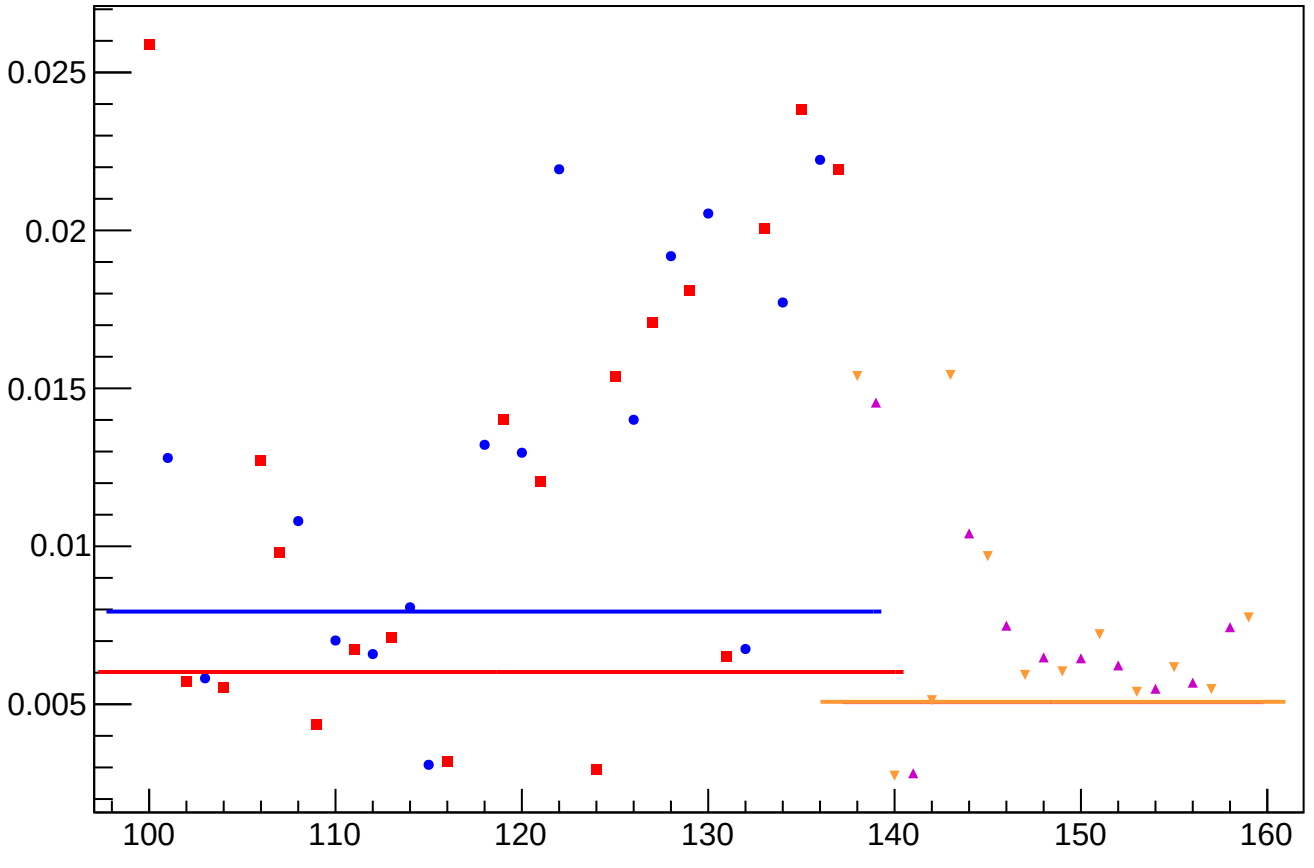
Left: 0.000+/-0.000 χ^2/NDF: 37.8/21

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:20.7/25

Out: 0.000+/-0.000 χ^2/NDF:48.2/30

All: 0.000+/-0.000 χ^2/NDF: 70.3/56



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3455184.0/11

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2785172.9/9

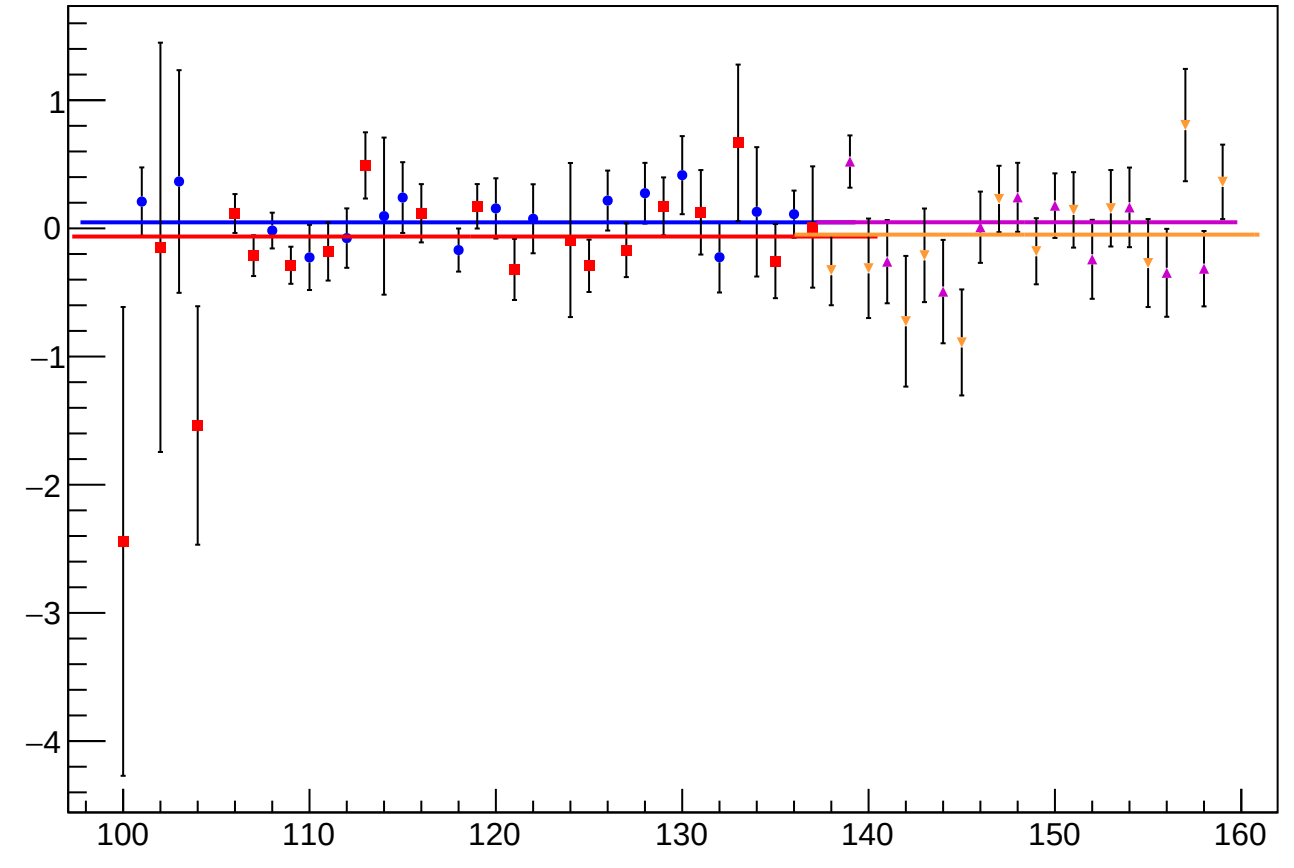
Left: 0.005+/-0.000 χ^2/NDF: 6240376.2/21

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7406446.0/25

Out: 0.005+/-0.000 χ^2/NDF:7636000.3/30

All: 0.006+/-0.000 χ^2/NDF: 15092431.9/56



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.049+/-0.093 χ^2/NDF:16.1/11

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

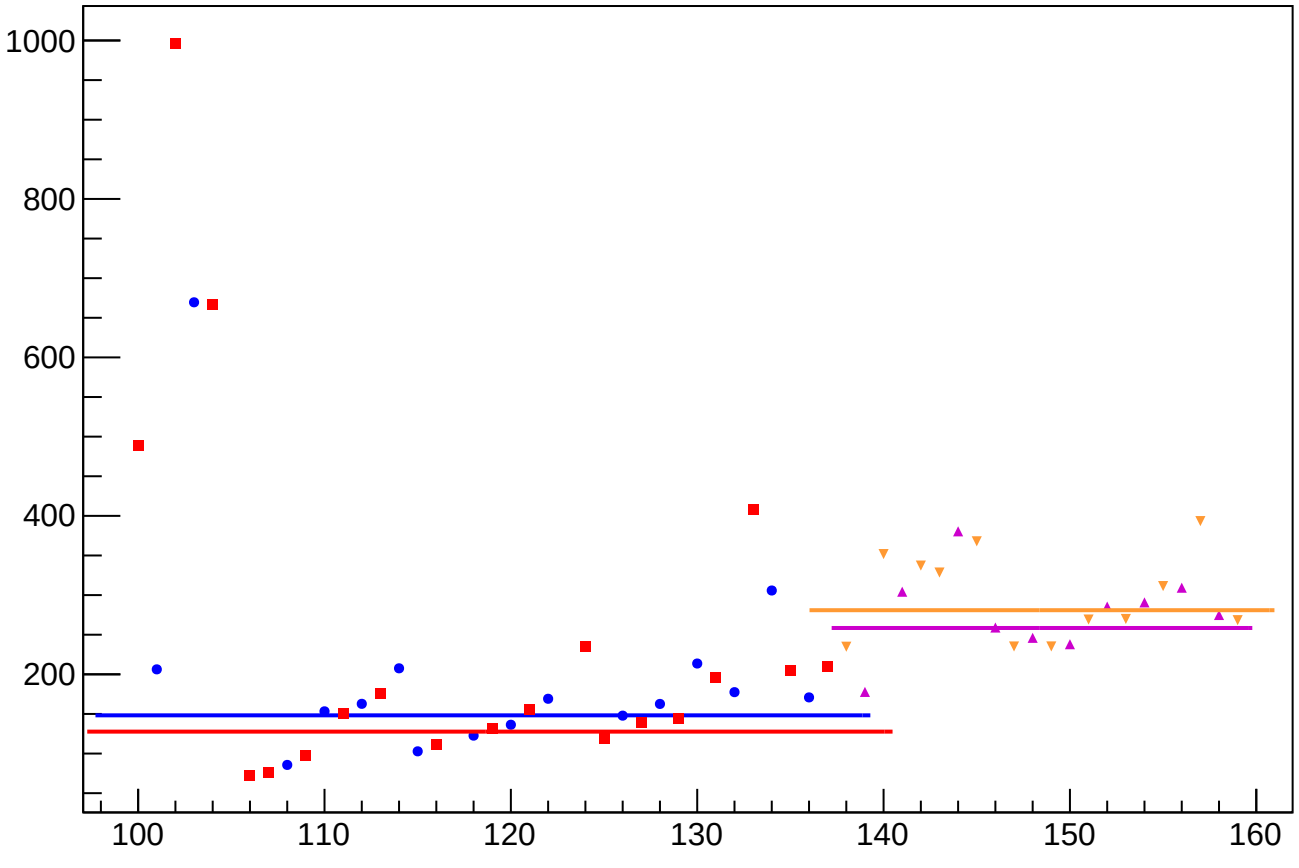
Left: 0.001+/-0.065 χ^2/NDF: 29.4/21

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.009+/-0.034 χ^2/NDF: 62.1/56



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 280.929+/-0.066 χ^2/NDF:552765.2/11

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

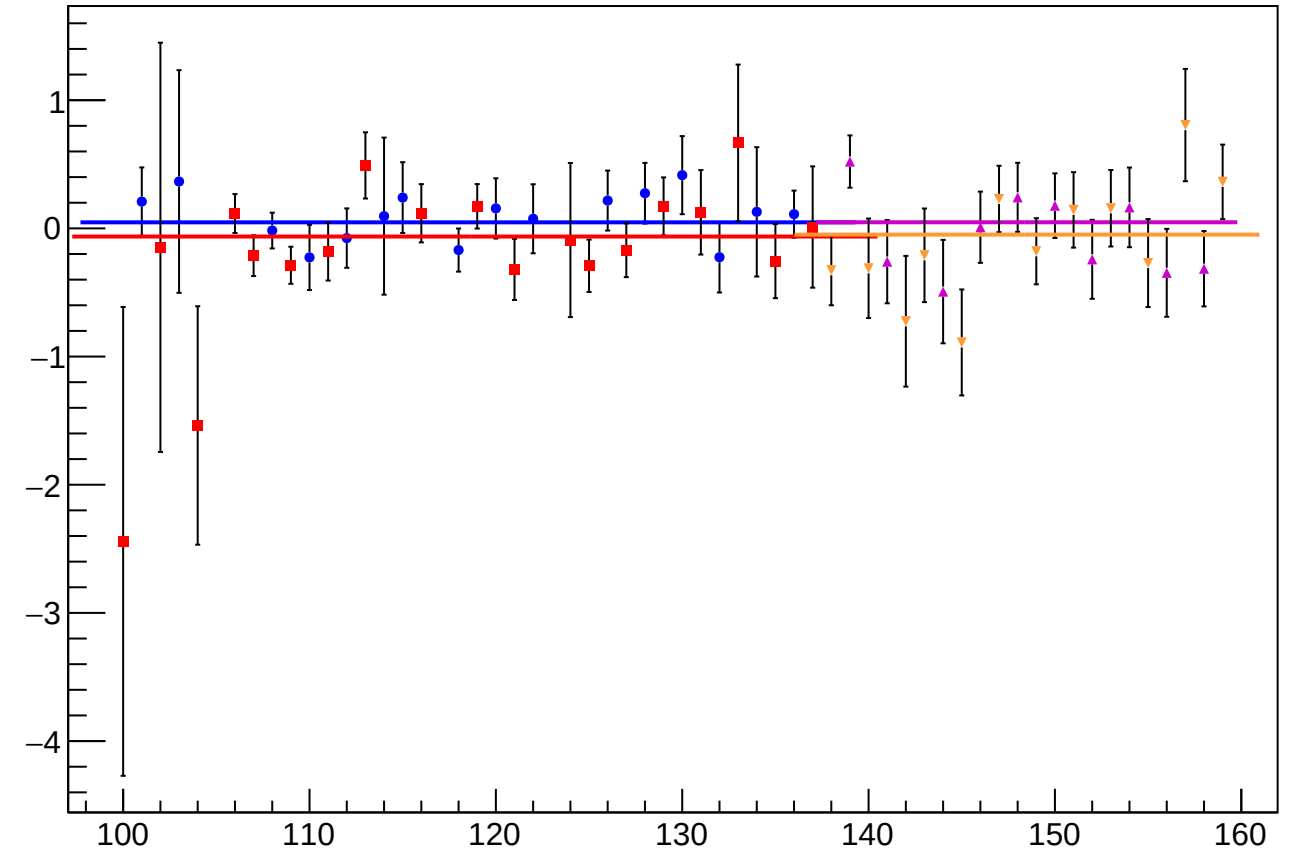
Left: 269.347+/-0.046 χ^2/NDF: 1253097.8/21

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 182.118+/-0.035 χ^2/NDF:4423545.4/25

Out: 167.001+/-0.033 χ^2/NDF:7426609.9/30

All: 174.120+/-0.024 χ^2/NDF: 11947031.5/56



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.049+/-0.093 χ^2/NDF:16.1/11

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

Left: 0.001+/-0.065 χ^2/NDF: 29.4/21

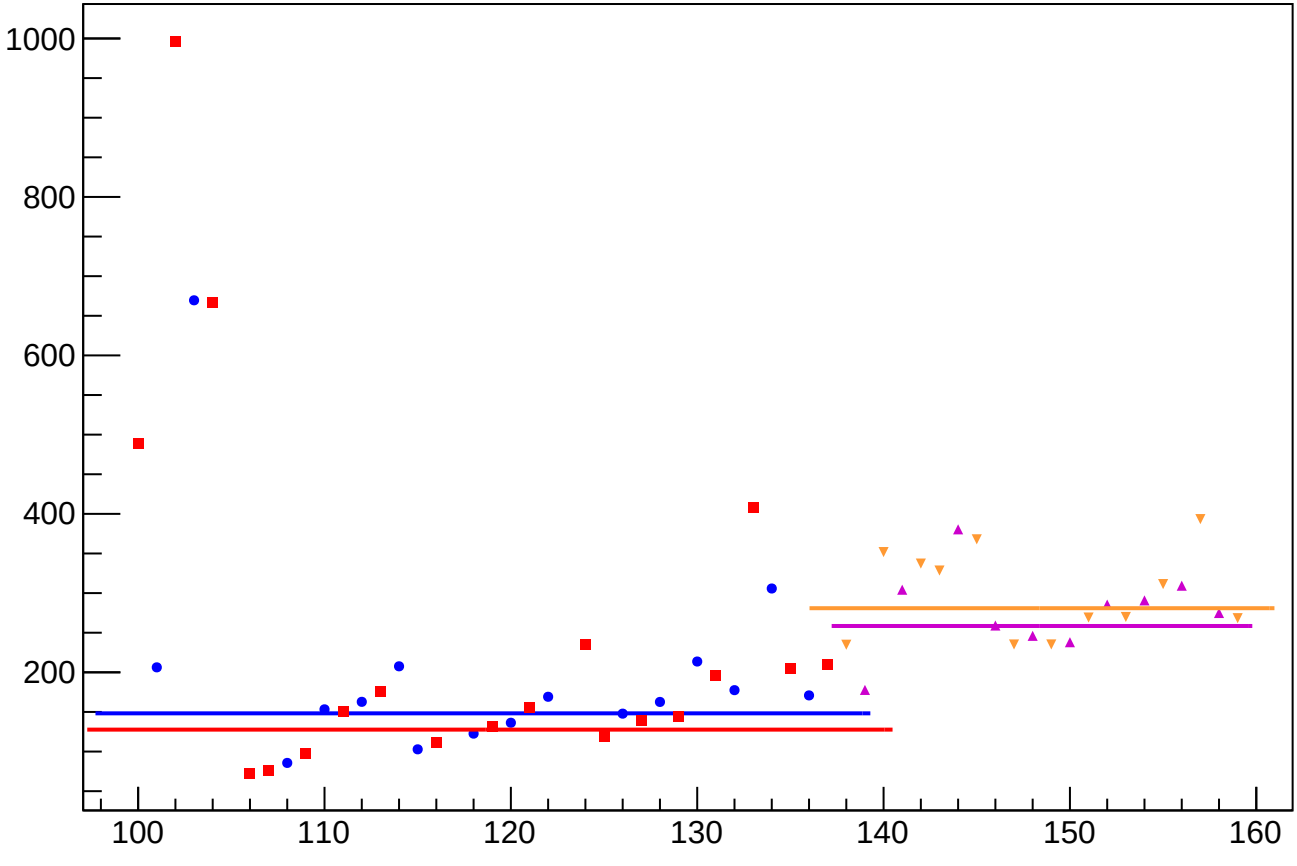
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.009+/-0.034 χ^2/NDF: 62.1/56

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: 280.929+/-0.066 χ^2/NDF:552765.2/11

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

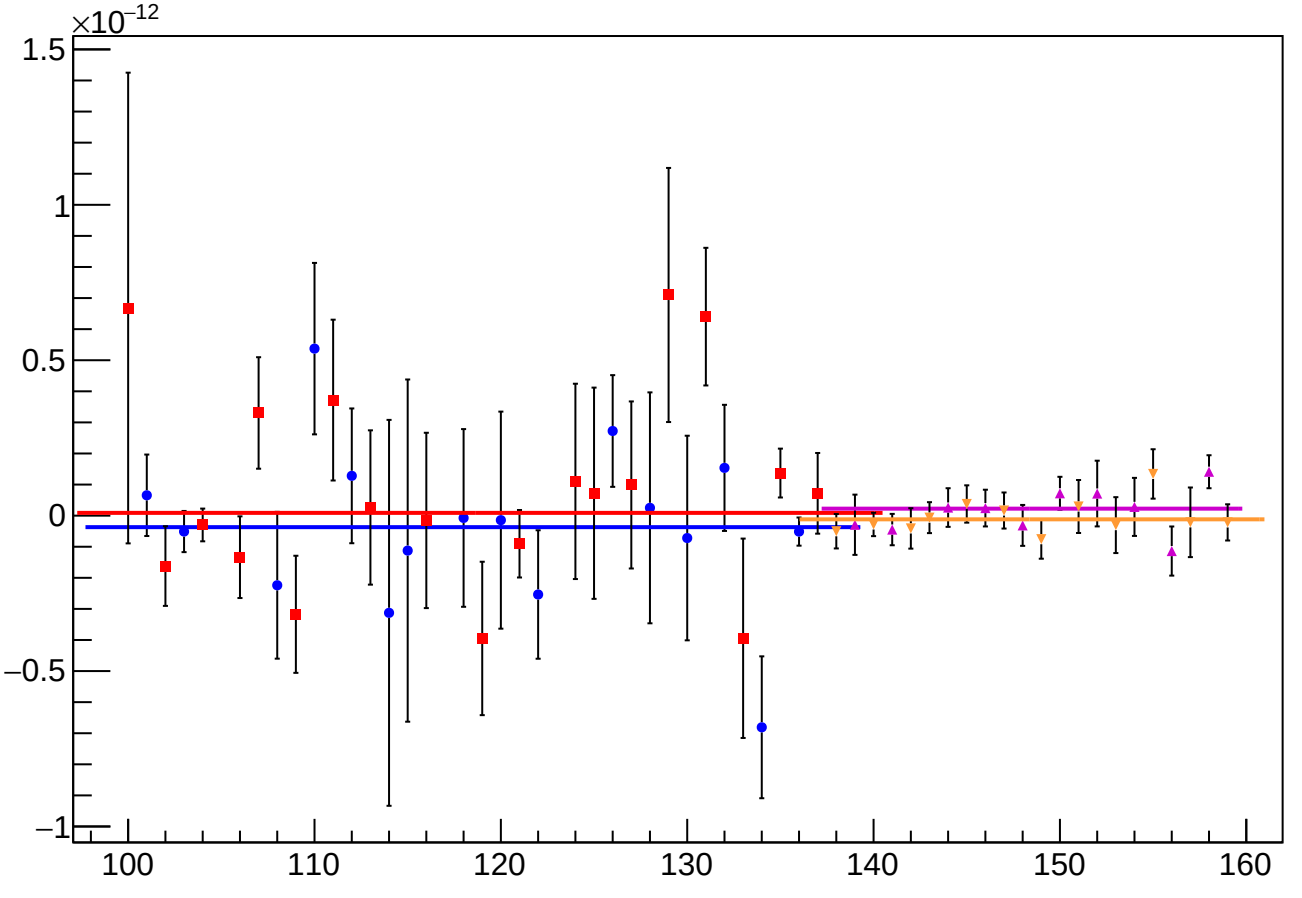
Left: 269.347+/-0.046 χ^2/NDF: 1253097.8/21

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 182.118+/-0.035 χ^2/NDF:4423545.4/25

Out: 167.001+/-0.033 χ^2/NDF:7426609.9/30

All: 174.120+/-0.024 χ^2/NDF: 11947031.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

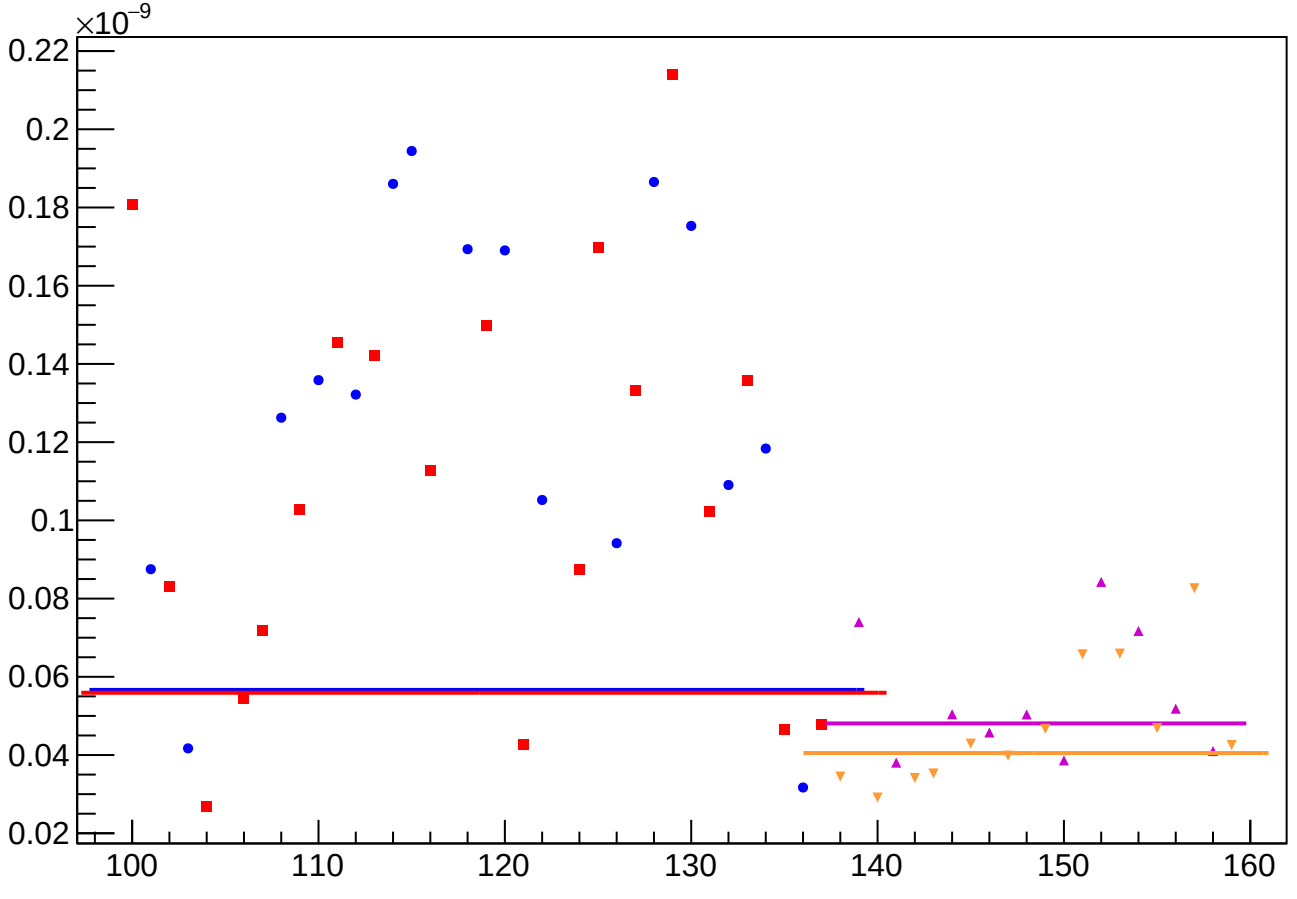
Left: 0.000+/-0.000 χ^2/NDF: 20.0/21

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:33.7/25

Out: -0.000+/-0.000 χ^2/NDF:38.6/30

All: -0.000+/-0.000 χ^2/NDF: 72.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:904822.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:696447.4/9

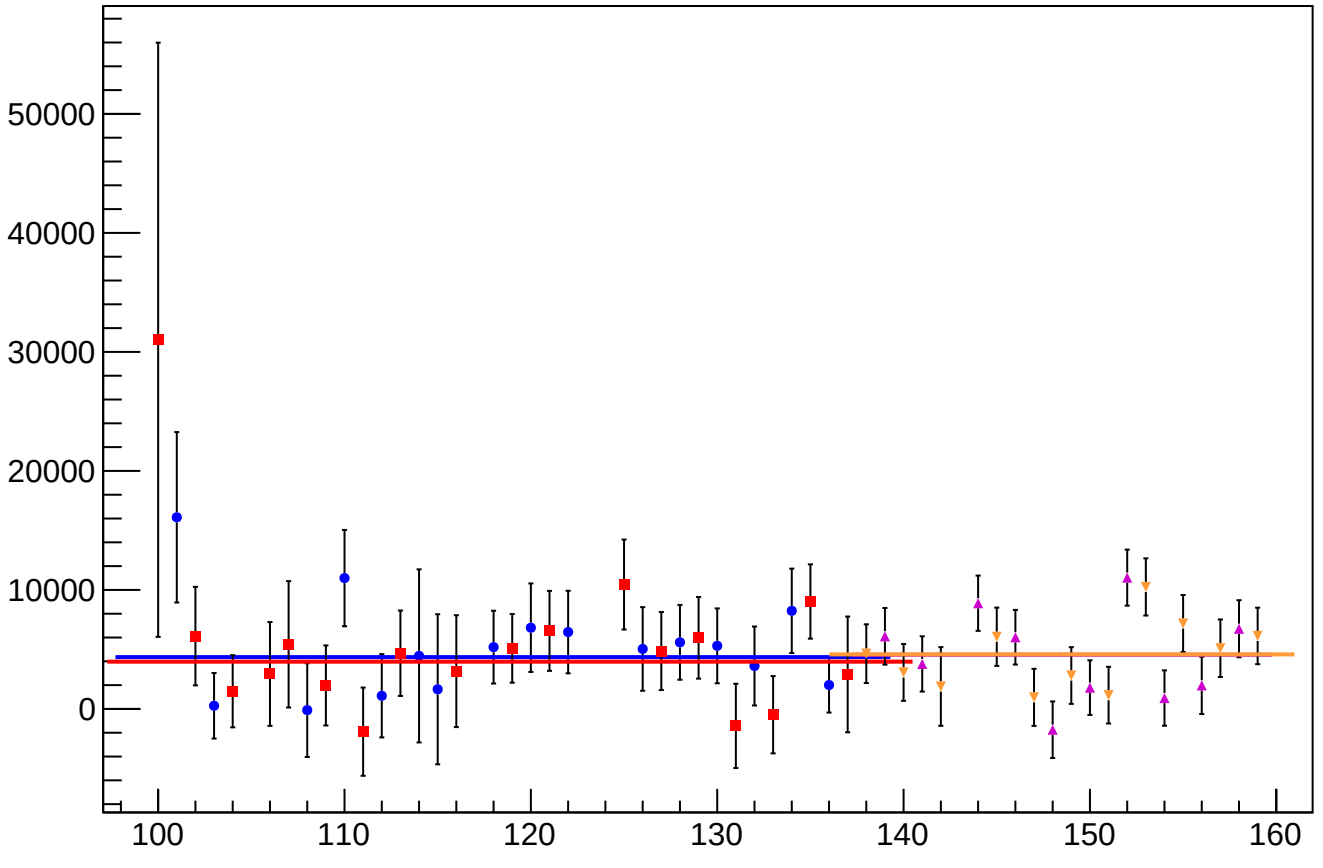
Left: 0.000+/-0.000 χ^2/NDF: 1758443.4/21

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3910391.2/25

Out: 0.000+/-0.000 χ^2/NDF:3995658.6/30

All: 0.000+/-0.000 χ^2/NDF: 8065988.3/56



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4582.424+/-741.031 χ^2/NDF:13.5/10

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4555.373+/-742.162 χ^2/NDF:24.9/9

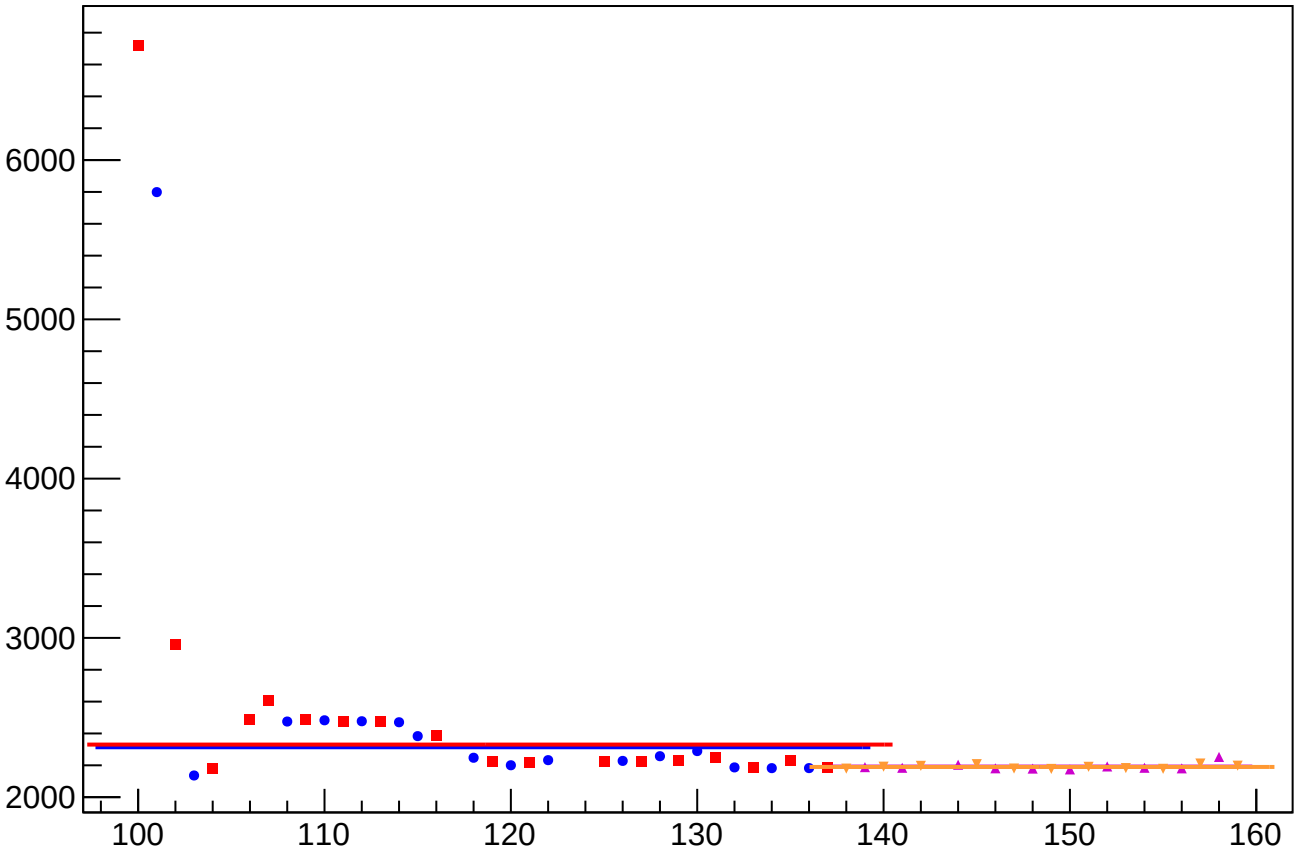
Left: 4568.919+/-524.387 χ^2/NDF: 38.4/20

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4471.281+/-566.031 χ^2/NDF:38.3/25

Out: 4326.079+/-564.486 χ^2/NDF:30.0/28

All: 4398.481+/-399.697 χ^2/NDF: 68.3/54



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2189.775+/-0.524 χ^2/NDF:483.3/10

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

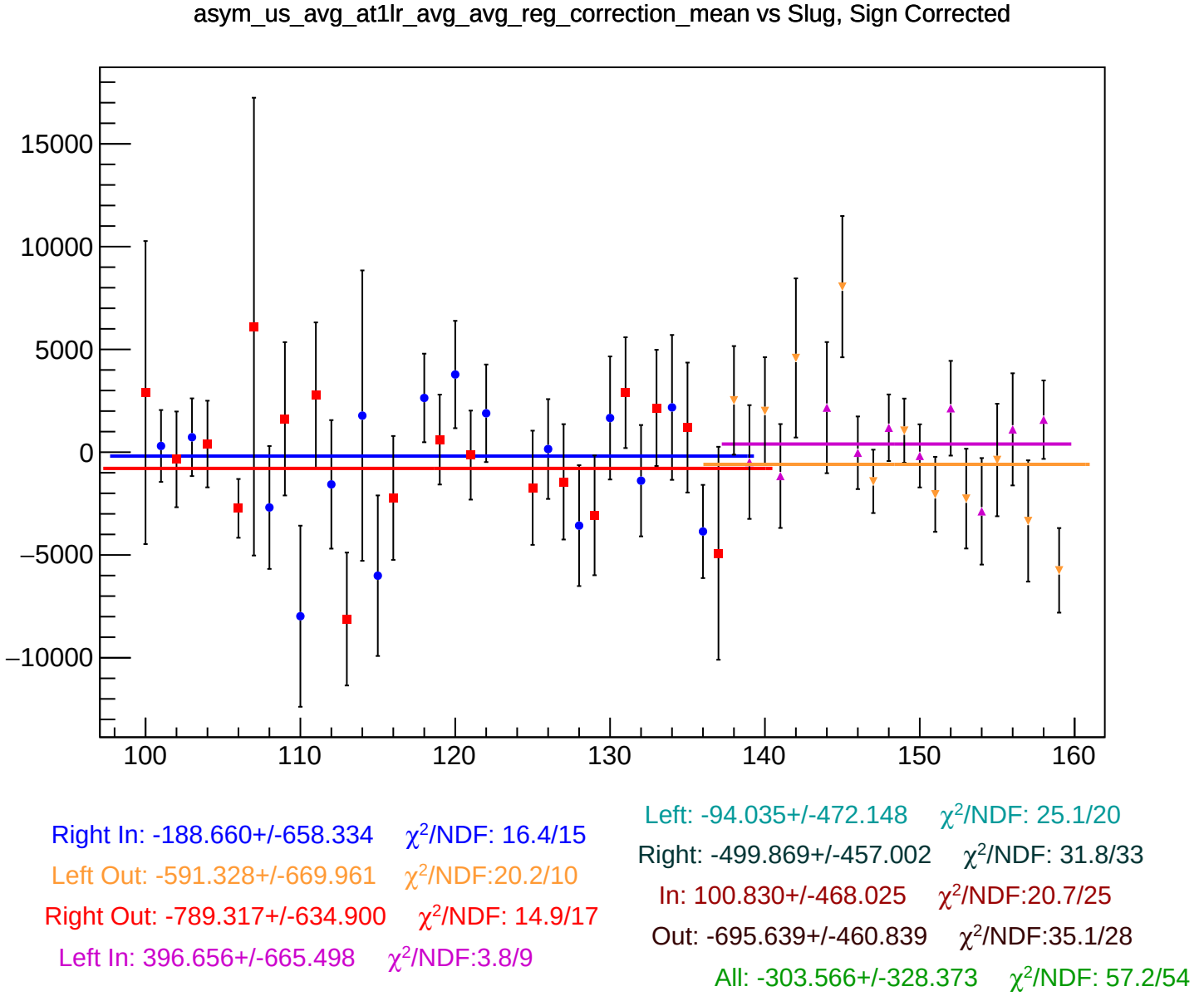
Left: 2190.918+/-0.371 χ^2/NDF: 2127.3/20

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

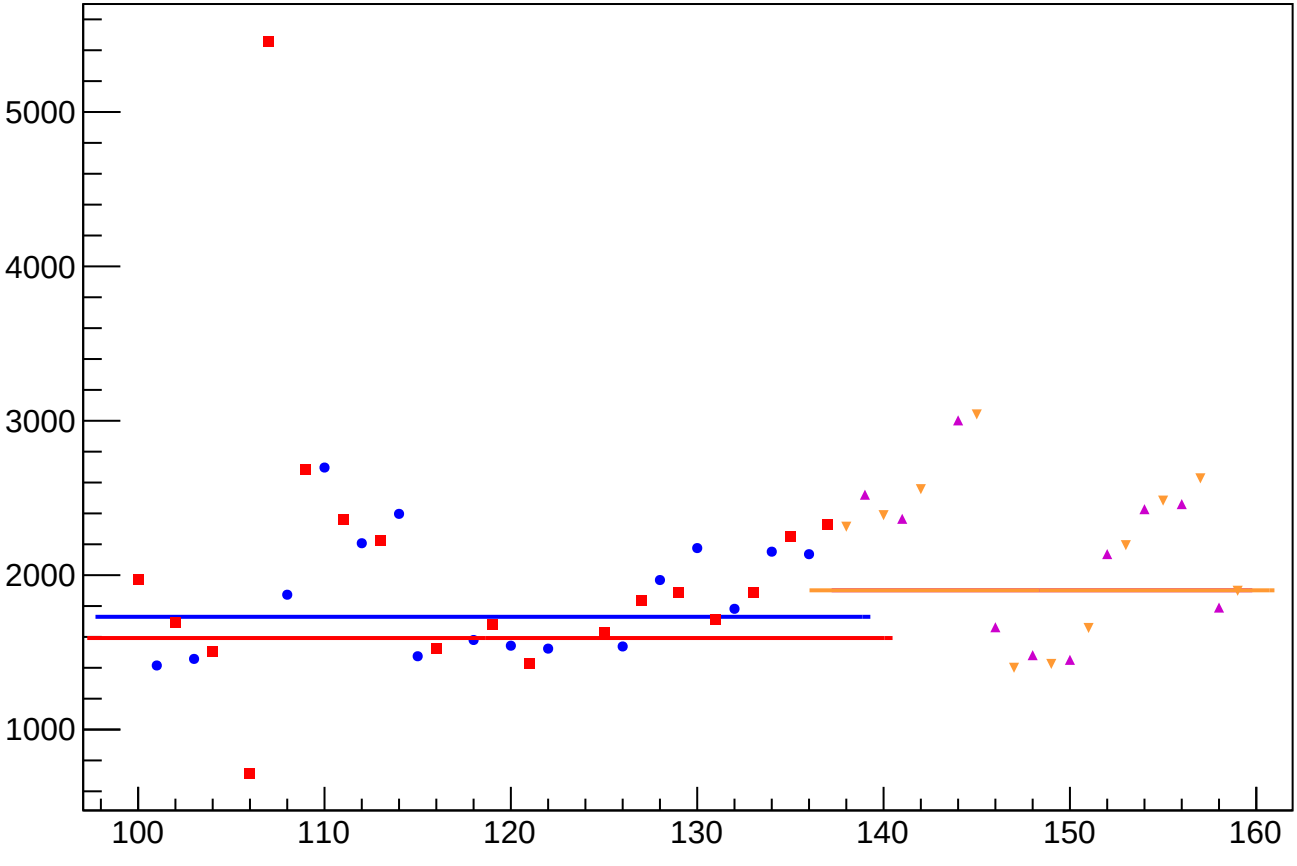
In: 2242.827+/-0.400 χ^2/NDF:536373.5/25

Out: 2248.715+/-0.399 χ^2/NDF:181839.0/28

All: 2245.779+/-0.283 χ^2/NDF: 718321.0/54


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -591.328+/-669.961 χ²/NDF:20.2/10
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 396.656+/-665.498 χ²/NDF:3.8/9
Left: -94.035+/-472.148 χ²/NDF: 25.1/20
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: 100.830+/-468.025 χ²/NDF:20.7/25
Out: -695.639+/-460.839 χ²/NDF:35.1/28
All: -303.566+/-328.373 χ²/NDF: 57.2/54

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: 1901.850+/-0.474 χ^2/NDF:1069721.7/10

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1902.227+/-0.471 χ^2/NDF:942686.8/9

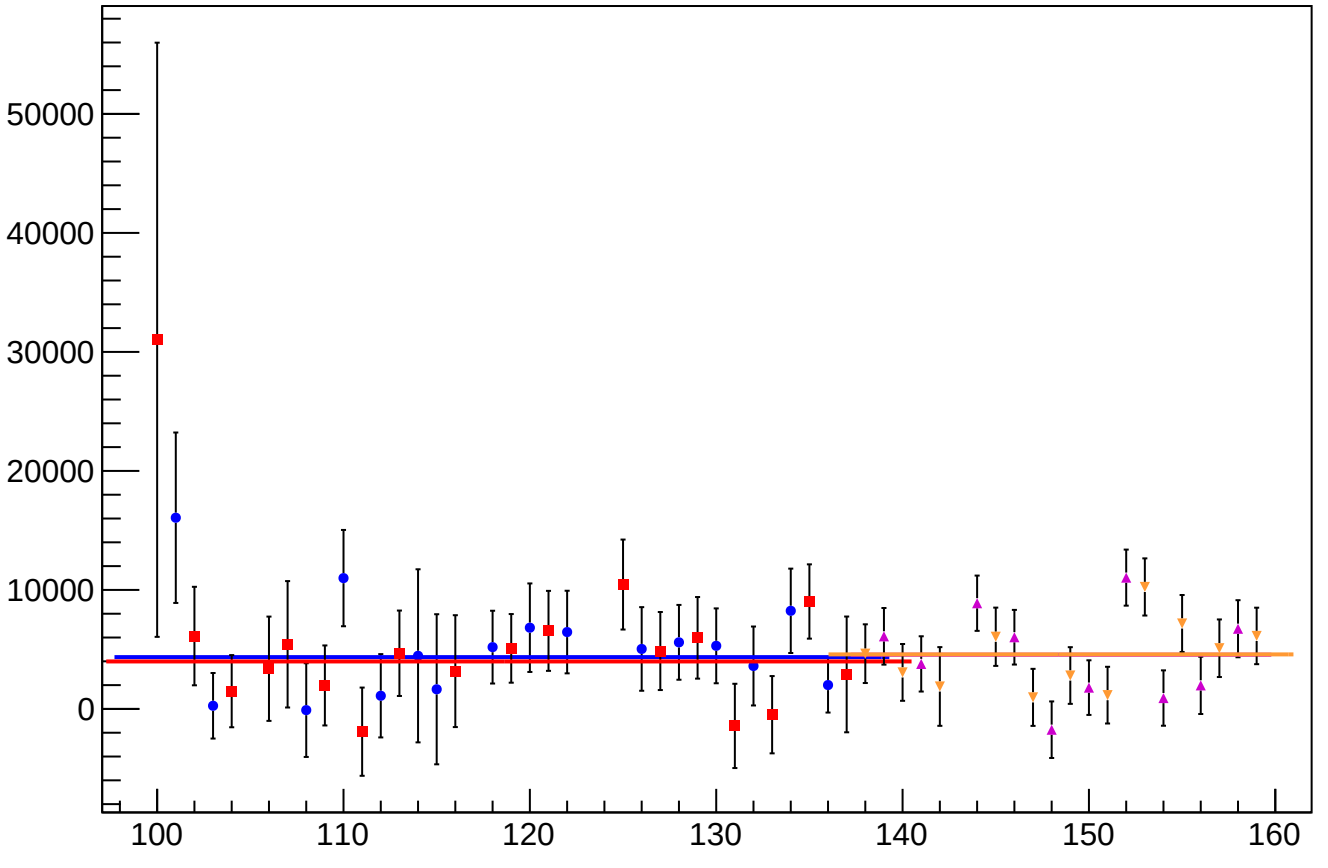
Left: 1902.040+/-0.334 χ^2/NDF: 2012408.8/20

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1815.327+/-0.331 χ^2/NDF:1489092.4/25

Out: 1739.040+/-0.326 χ^2/NDF:2850111.8/28

All: 1776.593+/-0.232 χ^2/NDF: 4366183.7/54



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4582.294+/-741.031 χ^2/NDF:13.5/10

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4555.581+/-742.162 χ^2/NDF:24.9/9

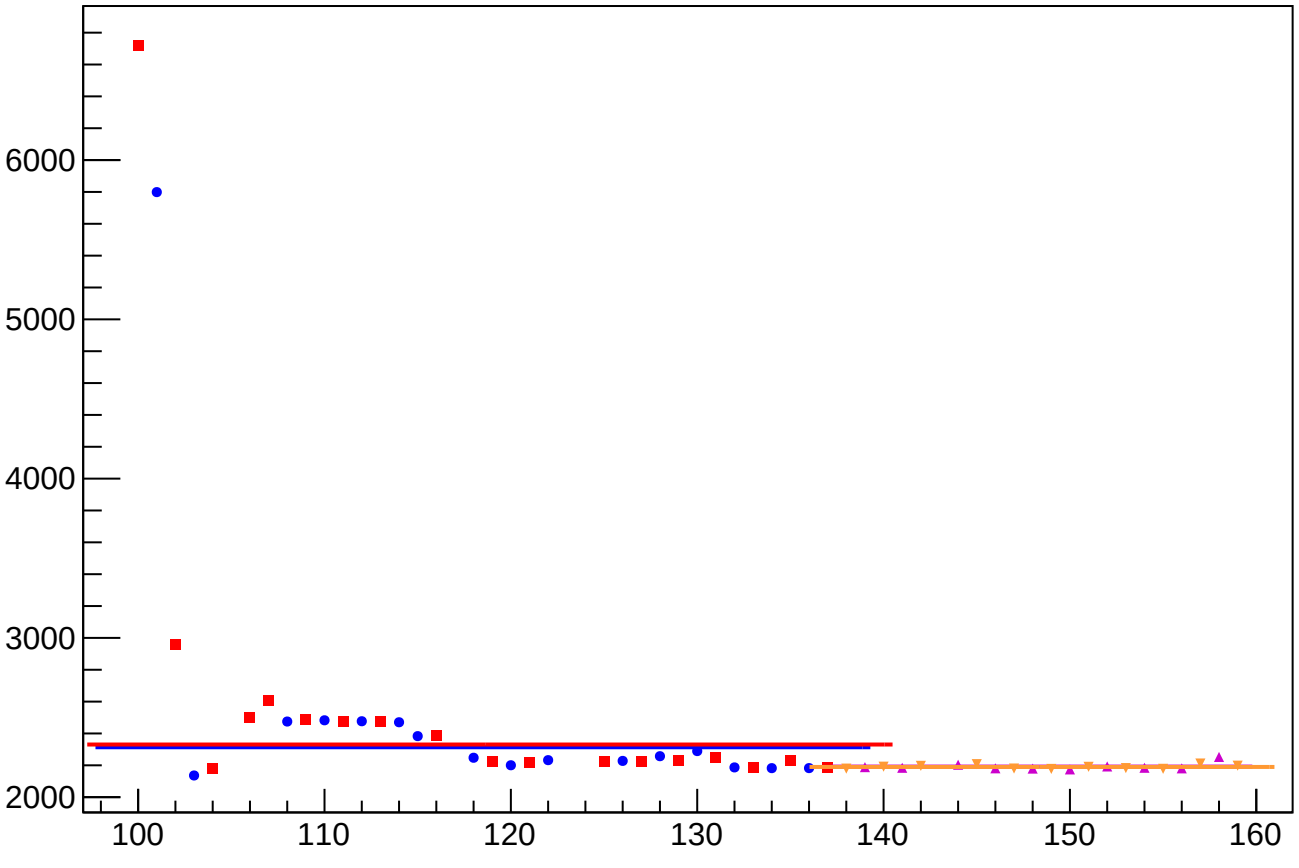
Left: 4568.958+/-524.387 χ^2/NDF: 38.4/20

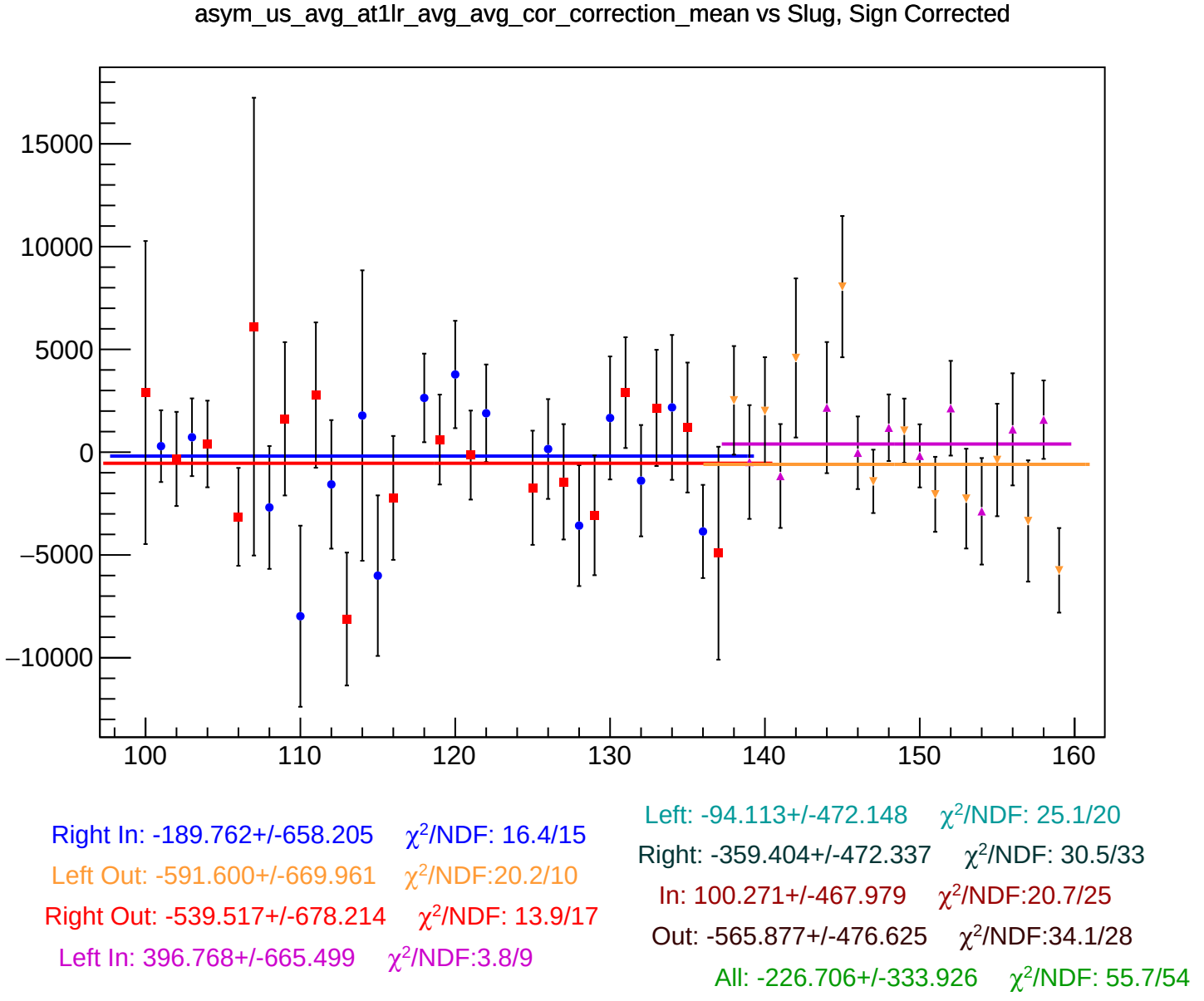
Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4471.117+/-566.031 χ^2/NDF:38.3/25

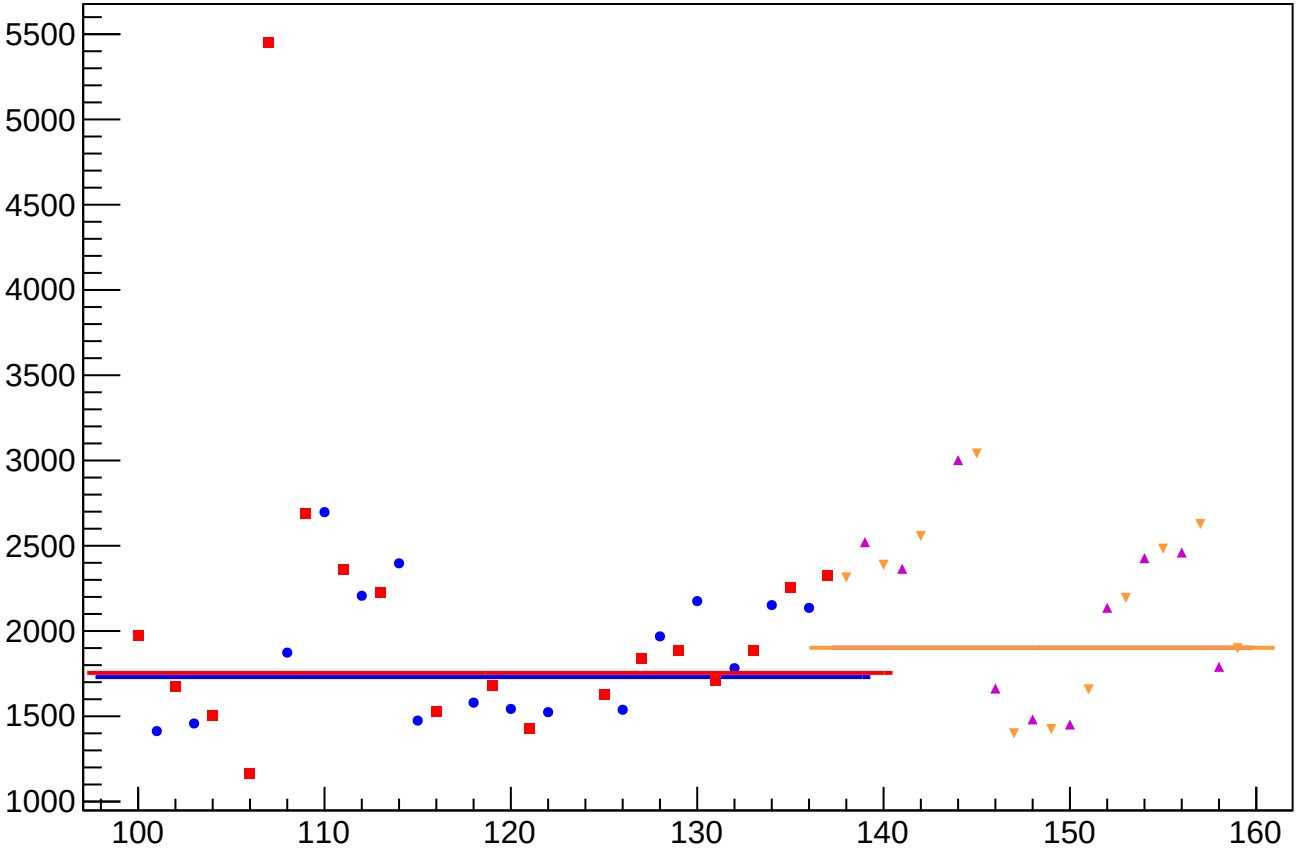
Out: 4333.694+/-564.527 χ^2/NDF:29.9/28

All: 4402.223+/-399.711 χ^2/NDF: 68.2/54


cor_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2313.413+/-0.619 χ²/NDF: 512372.3/15
Left Out: 2189.775+/-0.524 χ²/NDF:483.3/10
Right Out: 2330.570+/-0.616 χ²/NDF: 151556.6/17
Left In: 2192.065+/-0.525 χ²/NDF:1634.4/9
Left: 2190.918+/-0.371 χ²/NDF: 2127.3/20
Right: 2322.028+/-0.437 χ²/NDF: 664314.8/33
In: 2242.827+/-0.400 χ²/NDF:536373.9/25
Out: 2248.858+/-0.399 χ²/NDF:182337.8/28
All: 2245.851+/-0.283 χ²/NDF: 718825.5/54


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
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -591.600+/-669.961 χ²/NDF:20.2/10
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 396.768+/-665.499 χ²/NDF:3.8/9
Left: -94.113+/-472.148 χ²/NDF: 25.1/20
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 100.271+/-467.979 χ²/NDF:20.7/25
Out: -565.877+/-476.625 χ²/NDF:34.1/28
All: -226.706+/-333.926 χ²/NDF: 55.7/54

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: 1901.850+/-0.474 χ^2/NDF:1069752.7/10

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

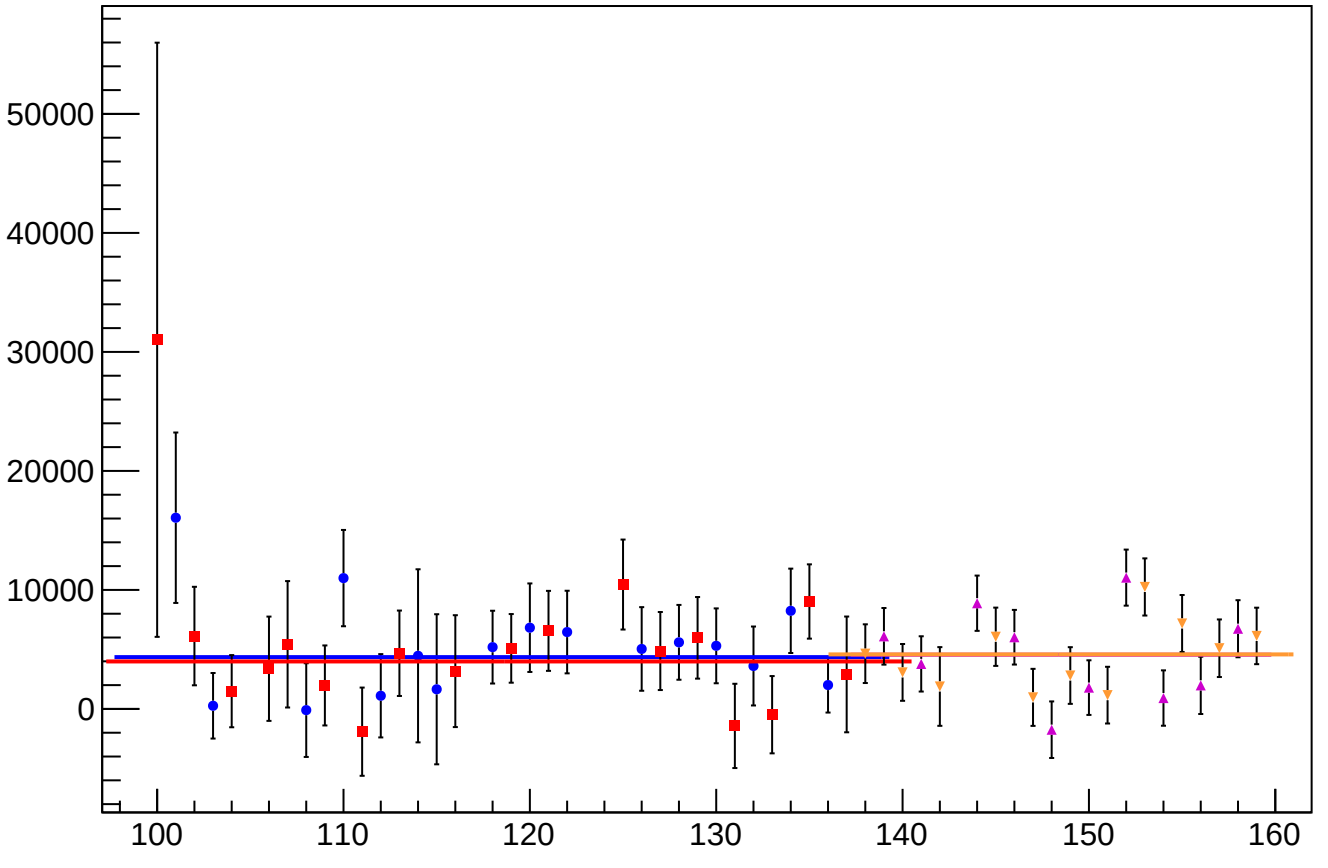
Left: 1902.040+/-0.334 χ^2/NDF: 2012447.8/20

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1815.114+/-0.331 χ^2/NDF:1490386.3/25

Out: 1829.090+/-0.337 χ^2/NDF:1868526.1/28

All: 1821.974+/-0.236 χ^2/NDF: 3359788.0/54



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4582.294+/-741.031 χ^2/NDF:13.5/10

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4555.581+/-742.162 χ^2/NDF:24.9/9

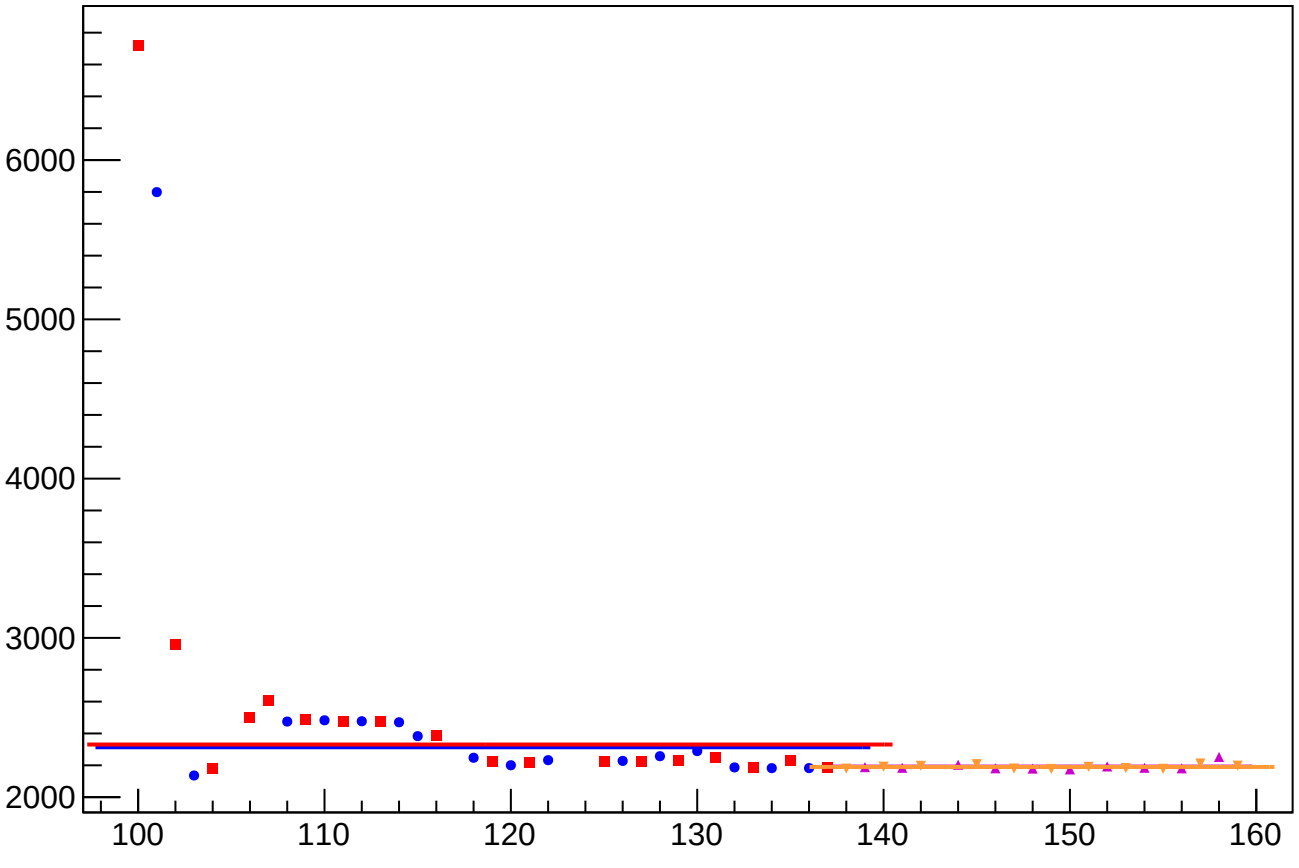
Left: 4568.958+/-524.387 χ^2/NDF: 38.4/20

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4471.117+/-566.031 χ^2/NDF:38.3/25

Out: 4333.694+/-564.527 χ^2/NDF:29.9/28

All: 4402.223+/-399.711 χ^2/NDF: 68.2/54



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2189.775+/-0.524 χ^2/NDF:483.3/10

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

Left: 2190.918+/-0.371 χ^2/NDF: 2127.3/20

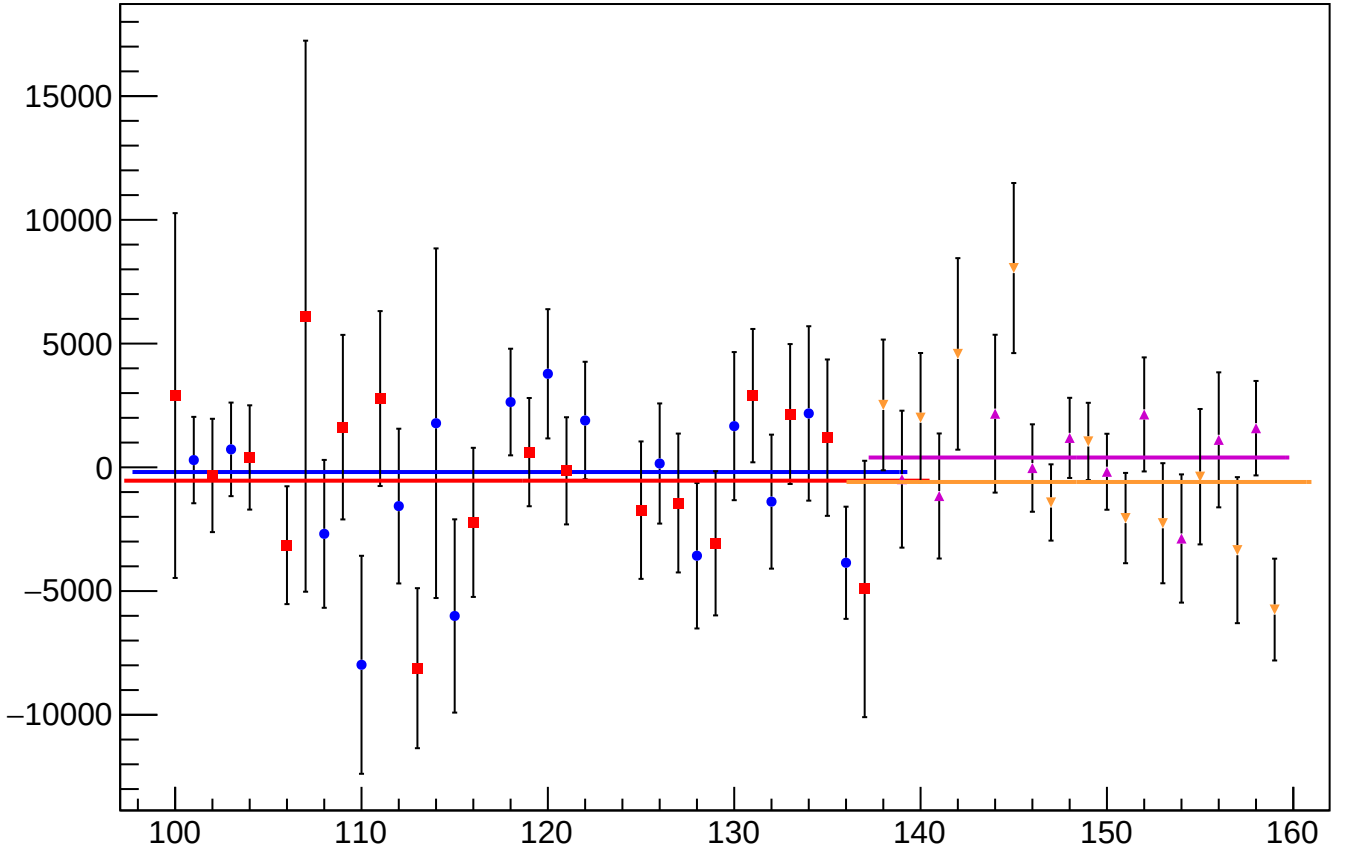
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2242.827+/-0.400 χ^2/NDF:536373.9/25

Out: 2248.858+/-0.399 χ^2/NDF:182337.8/28

All: 2245.851+/-0.283 χ^2/NDF: 718825.5/54

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: -591.600+/-669.961 χ^2/NDF:20.2/10

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 396.768+/-665.499 χ^2/NDF:3.8/9

Left: -94.113+/-472.148 χ^2/NDF: 25.1/20

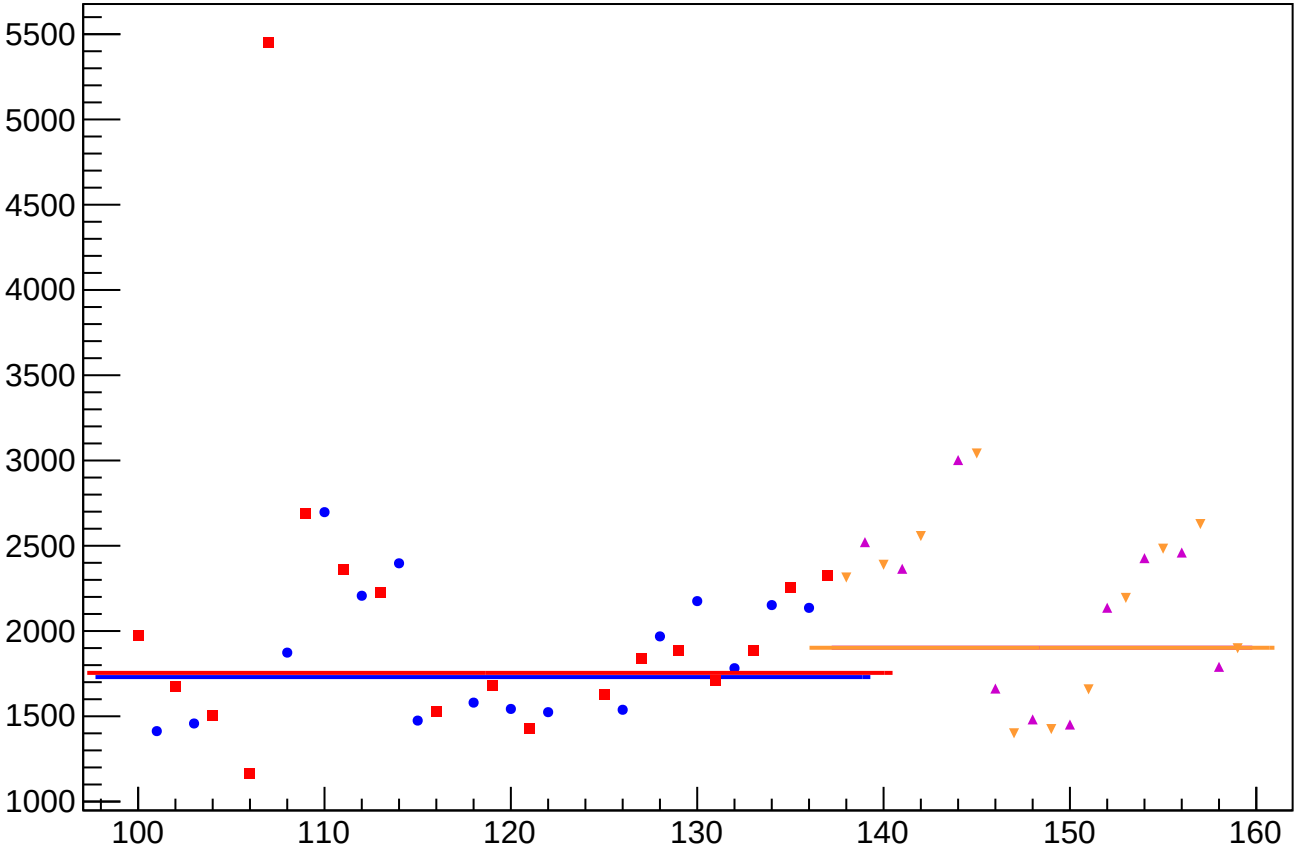
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 100.271+/-467.979 χ^2/NDF:20.7/25

Out: -565.877+/-476.625 χ^2/NDF:34.1/28

All: -226.706+/-333.926 χ^2/NDF: 55.7/54

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: 1901.850+/-0.474 χ^2/NDF:1069752.7/10

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

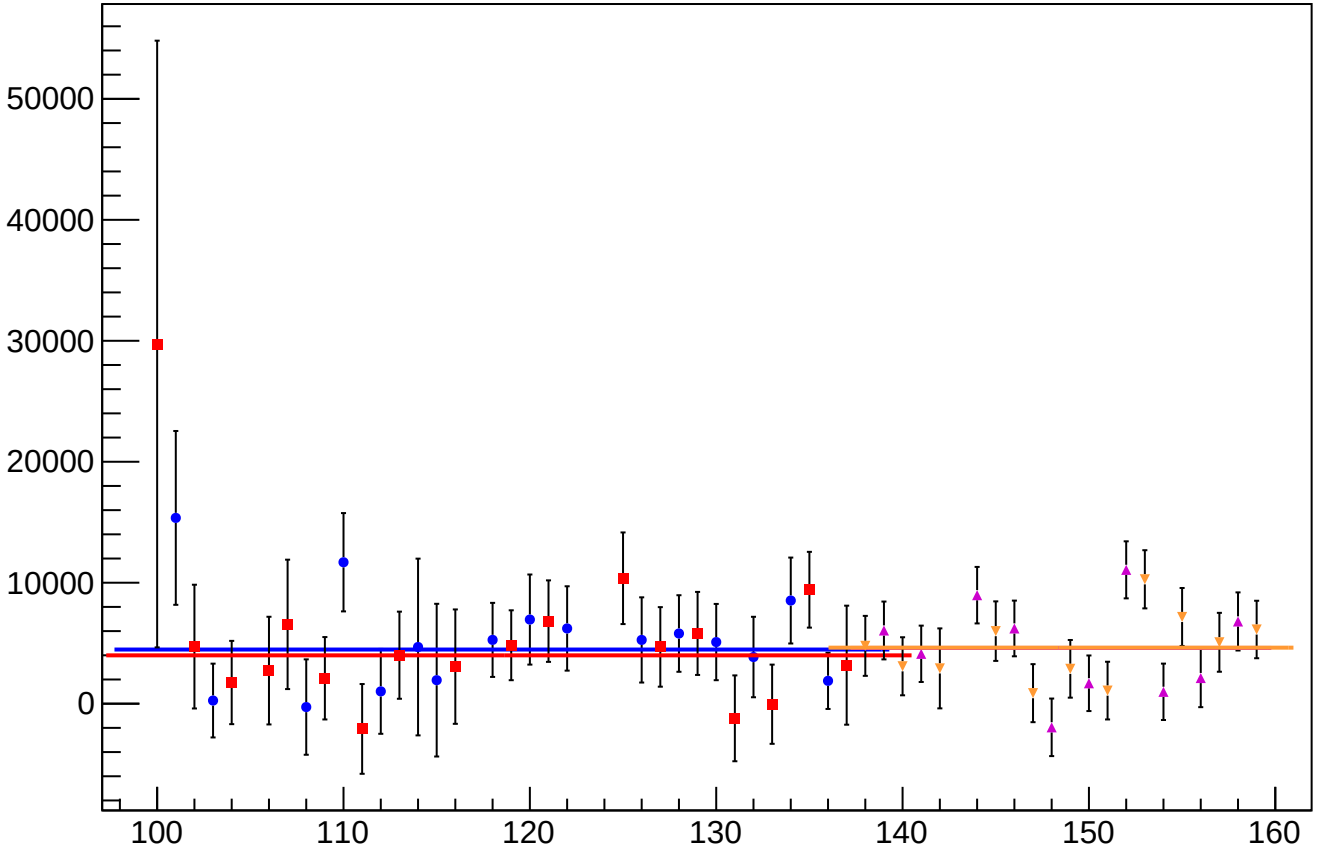
Left: 1902.040+/-0.334 χ^2/NDF: 2012447.8/20

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1815.114+/-0.331 χ^2/NDF:1490386.3/25

Out: 1829.090+/-0.337 χ^2/NDF:1868526.1/28

All: 1821.974+/-0.236 χ^2/NDF: 3359788.0/54



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4631.408+/-743.016 χ^2/NDF:13.3/10

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4607.656+/-743.977 χ^2/NDF:25.4/9

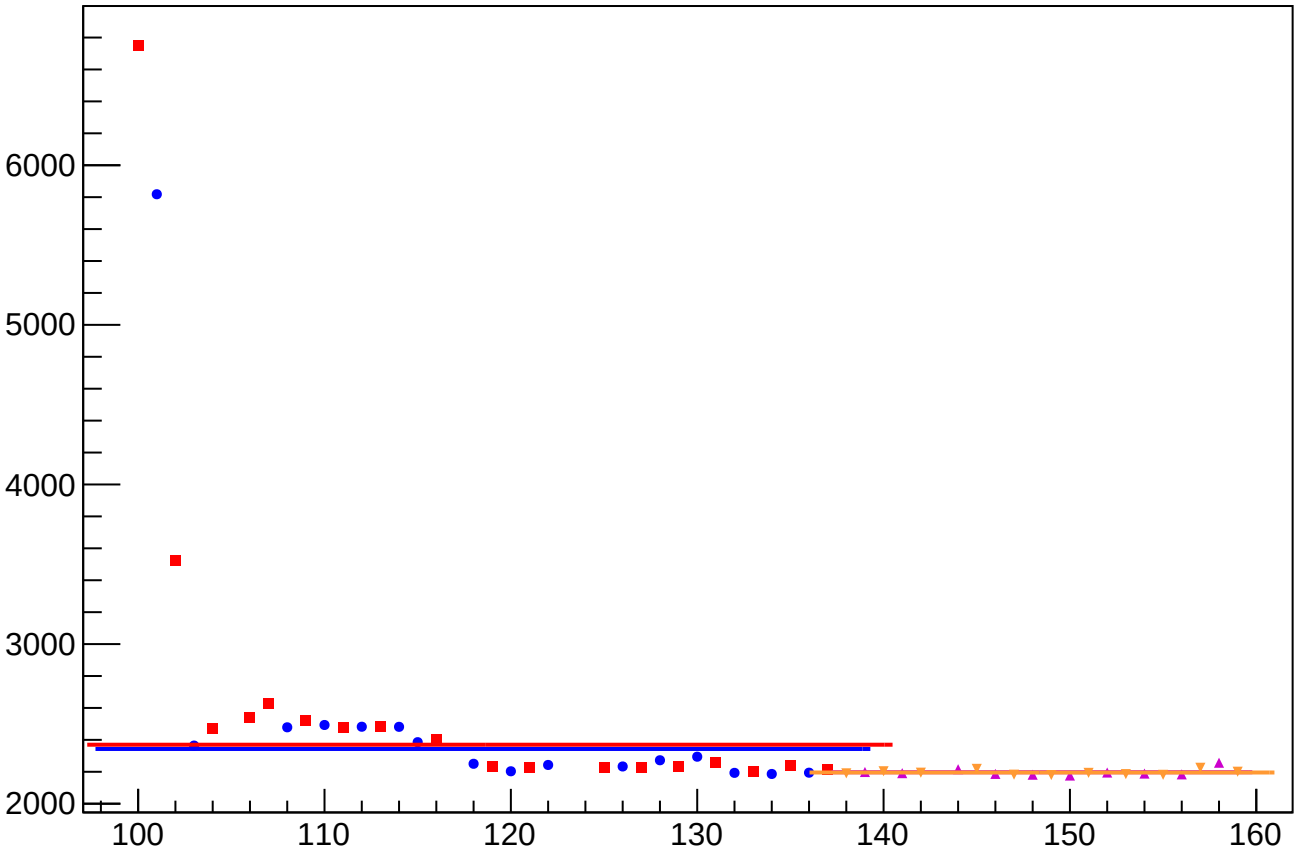
Left: 4619.548+/-525.731 χ^2/NDF: 38.7/20

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4553.397+/-569.773 χ^2/NDF:39.0/25

Out: 4370.509+/-570.491 χ^2/NDF:29.1/28

All: 4462.069+/-403.144 χ^2/NDF: 68.1/54



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2195.517+/-0.525 χ^2/NDF:771.6/10

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

Left: 2196.426+/-0.372 χ^2/NDF: 2529.7/20

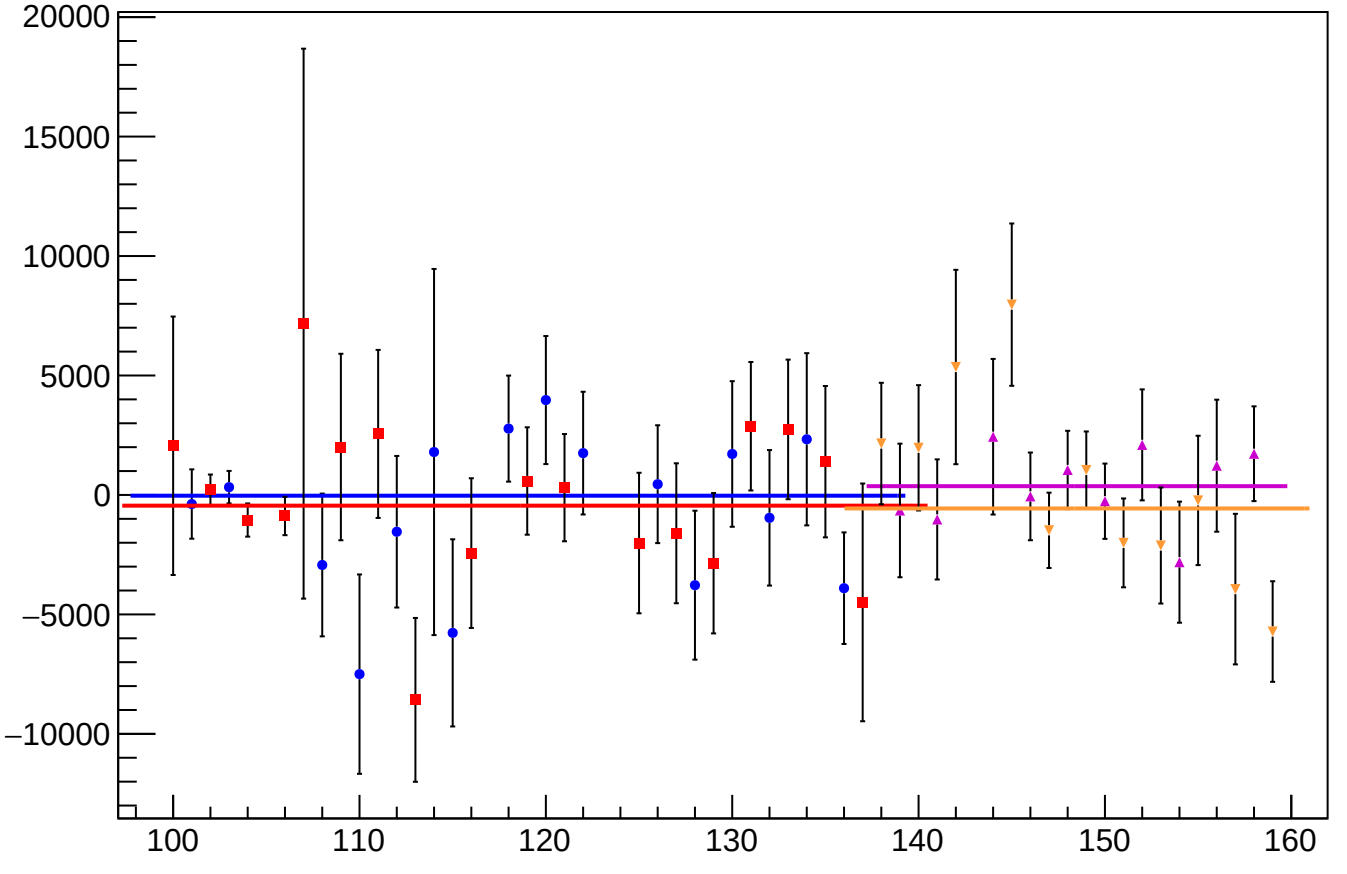
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2257.530+/-0.403 χ^2/NDF:536281.0/25

Out: 2266.963+/-0.403 χ^2/NDF:255969.4/28

All: 2262.240+/-0.285 χ^2/NDF: 792524.2/54

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: -565.258+/-681.064 χ^2/NDF:20.0/10

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 367.395+/-677.481 χ^2/NDF:3.9/9

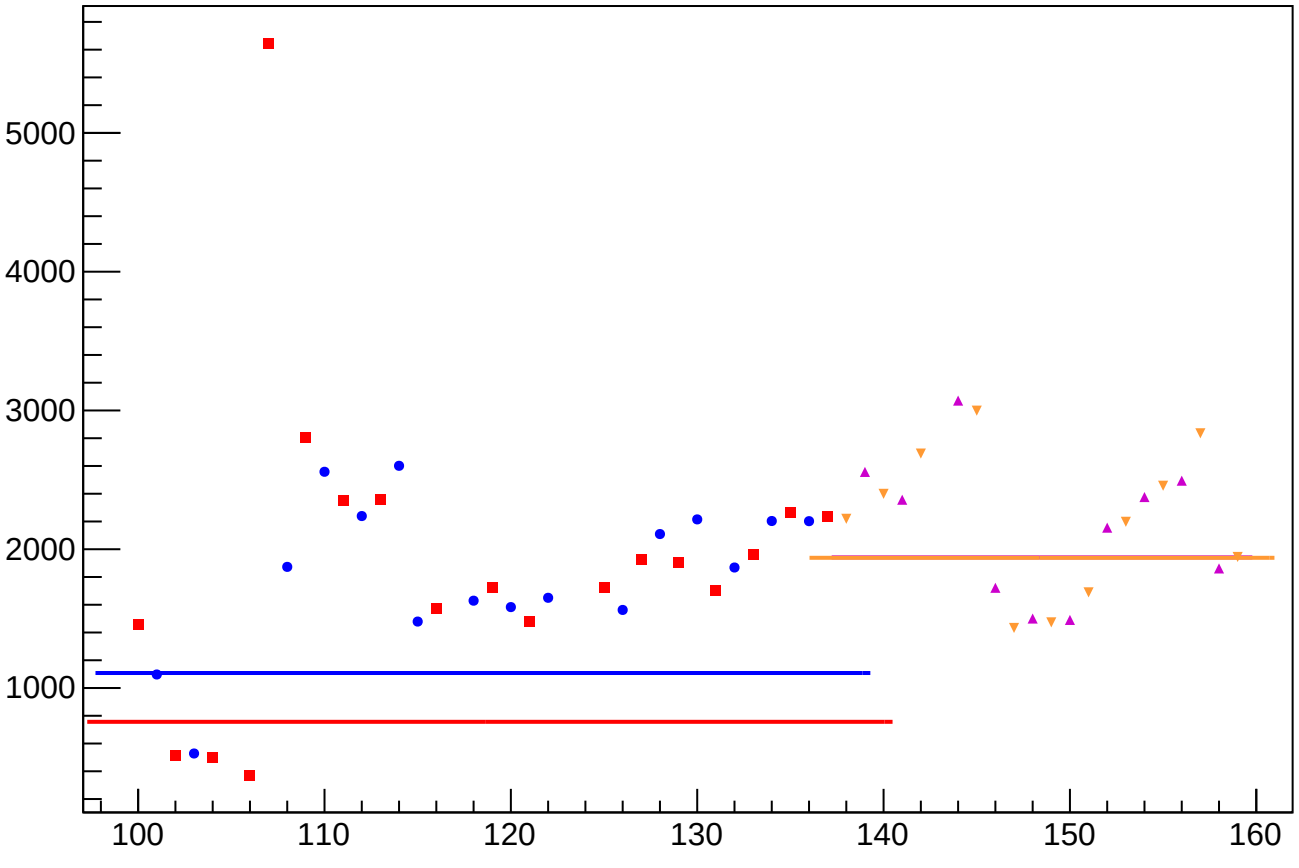
Left: -96.472+/-480.313 χ^2/NDF: 24.9/20

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 103.854+/-394.539 χ^2/NDF:20.5/25

Out: -474.097+/-320.044 χ^2/NDF:35.1/28

All: -244.724+/-248.551 χ^2/NDF: 56.9/54



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1938.324+/-0.482 χ^2/NDF:1015767.8/10

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1941.341+/-0.479 χ^2/NDF:888293.5/9

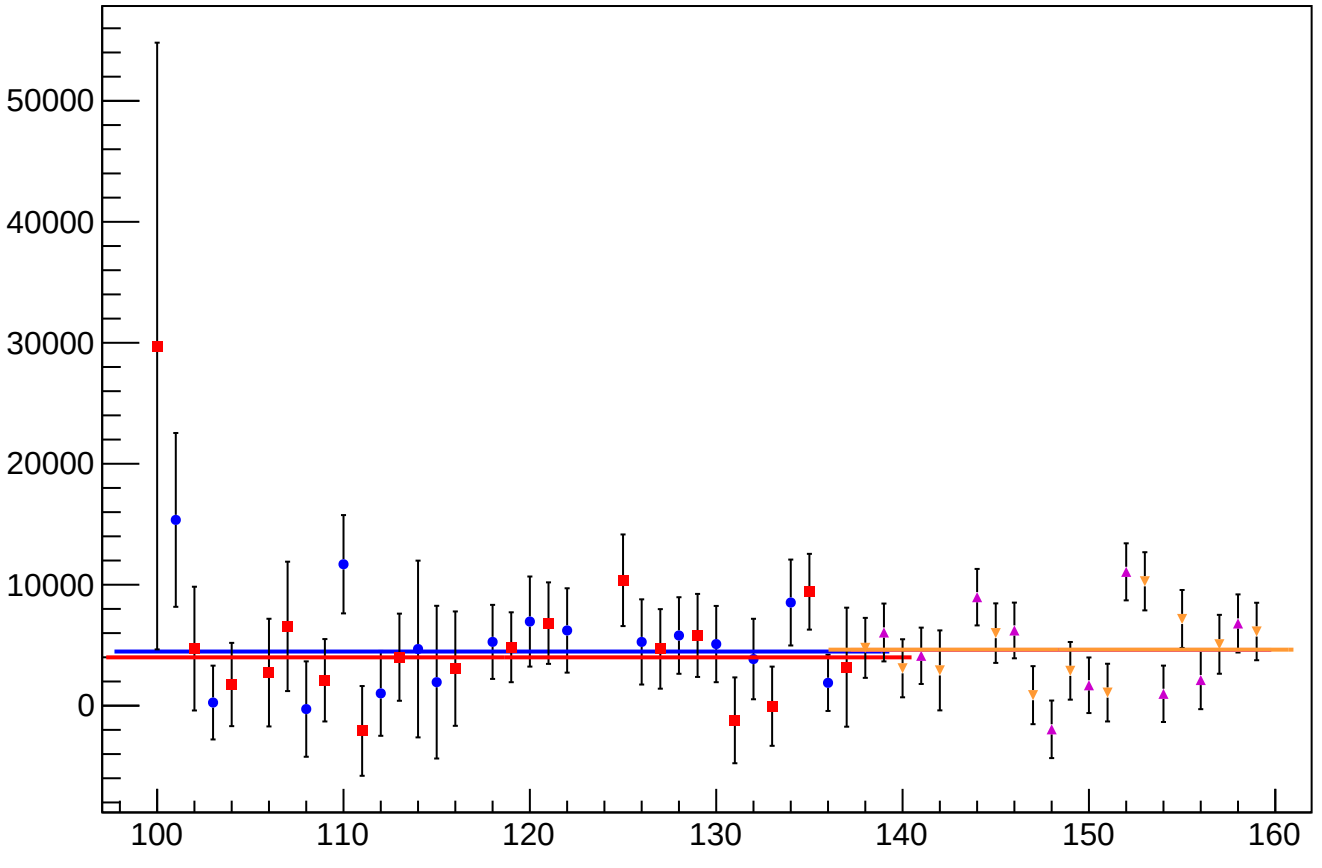
Left: 1939.841+/-0.340 χ^2/NDF: 1904081.1/20

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1390.715+/-0.279 χ^2/NDF:6633908.4/25

Out: 1017.411+/-0.226 χ^2/NDF:11312034.7/28

All: 1165.565+/-0.176 χ^2/NDF: 19025848.2/5



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4631.407+/-743.016 χ^2/NDF:13.3/10

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4607.657+/-743.977 χ^2/NDF:25.4/9

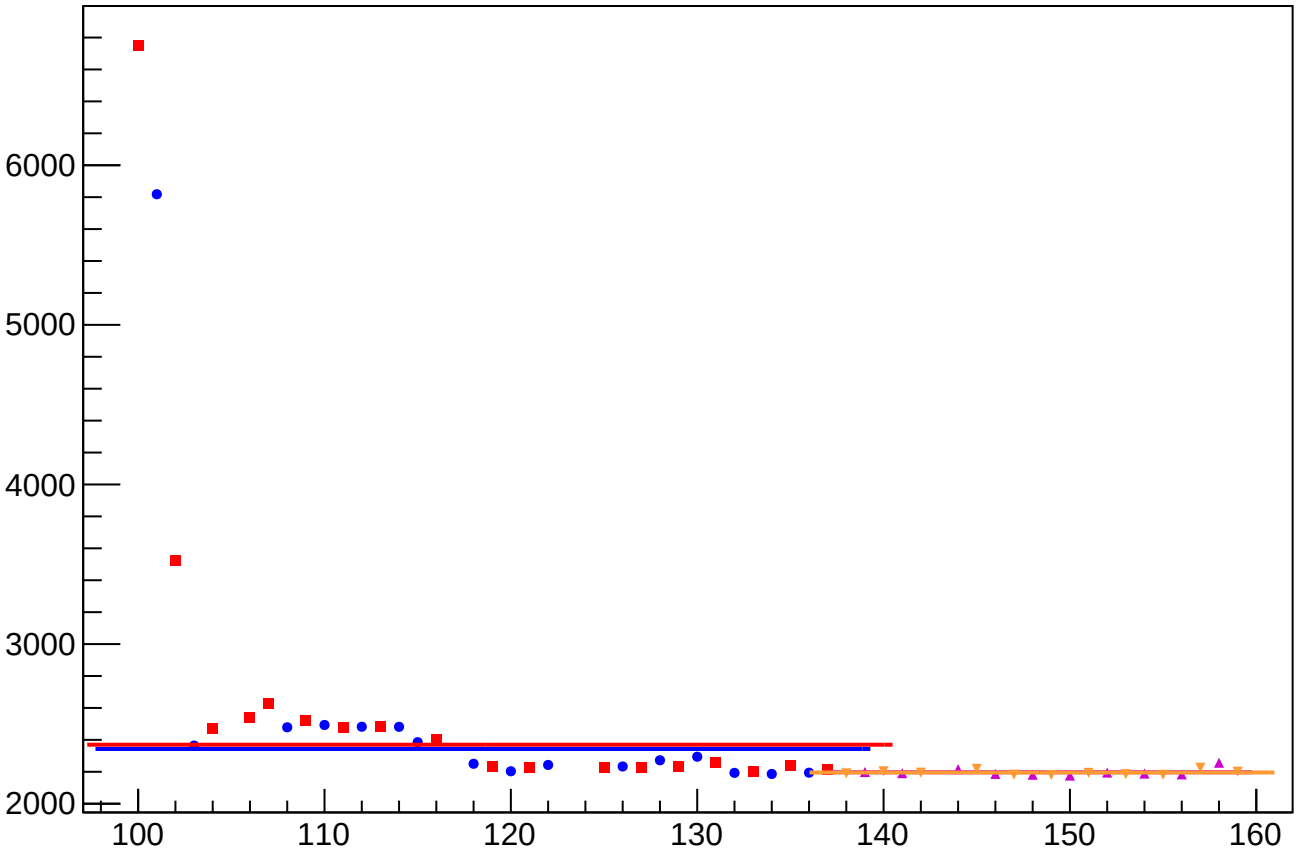
Left: 4619.547+/-525.731 χ^2/NDF: 38.7/20

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4553.396+/-569.773 χ^2/NDF:39.0/25

Out: 4370.507+/-570.491 χ^2/NDF:29.1/28

All: 4462.067+/-403.144 χ^2/NDF: 68.1/54



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2195.517+/-0.525 χ^2/NDF:771.6/10

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

Left: 2196.426+/-0.372 χ^2/NDF: 2529.7/20

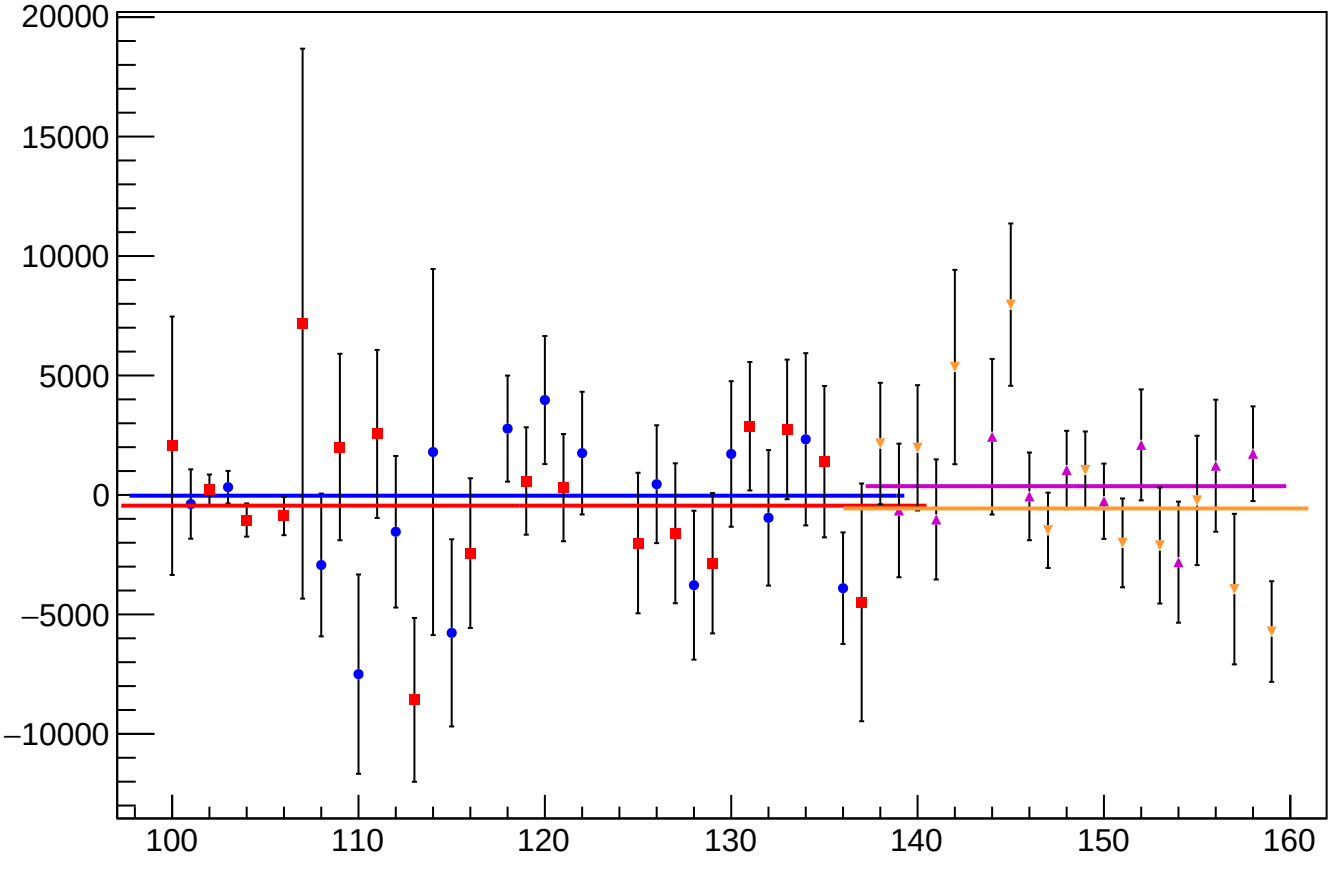
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2257.530+/-0.403 χ^2/NDF:536280.8/25

Out: 2266.963+/-0.403 χ^2/NDF:255968.0/28

All: 2262.240+/-0.285 χ^2/NDF: 792522.6/54

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -565.263+/-681.065 χ^2/NDF:20.0/10

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 367.397+/-677.483 χ^2/NDF:3.9/9

Left: -96.474+/-480.314 χ^2/NDF: 24.9/20

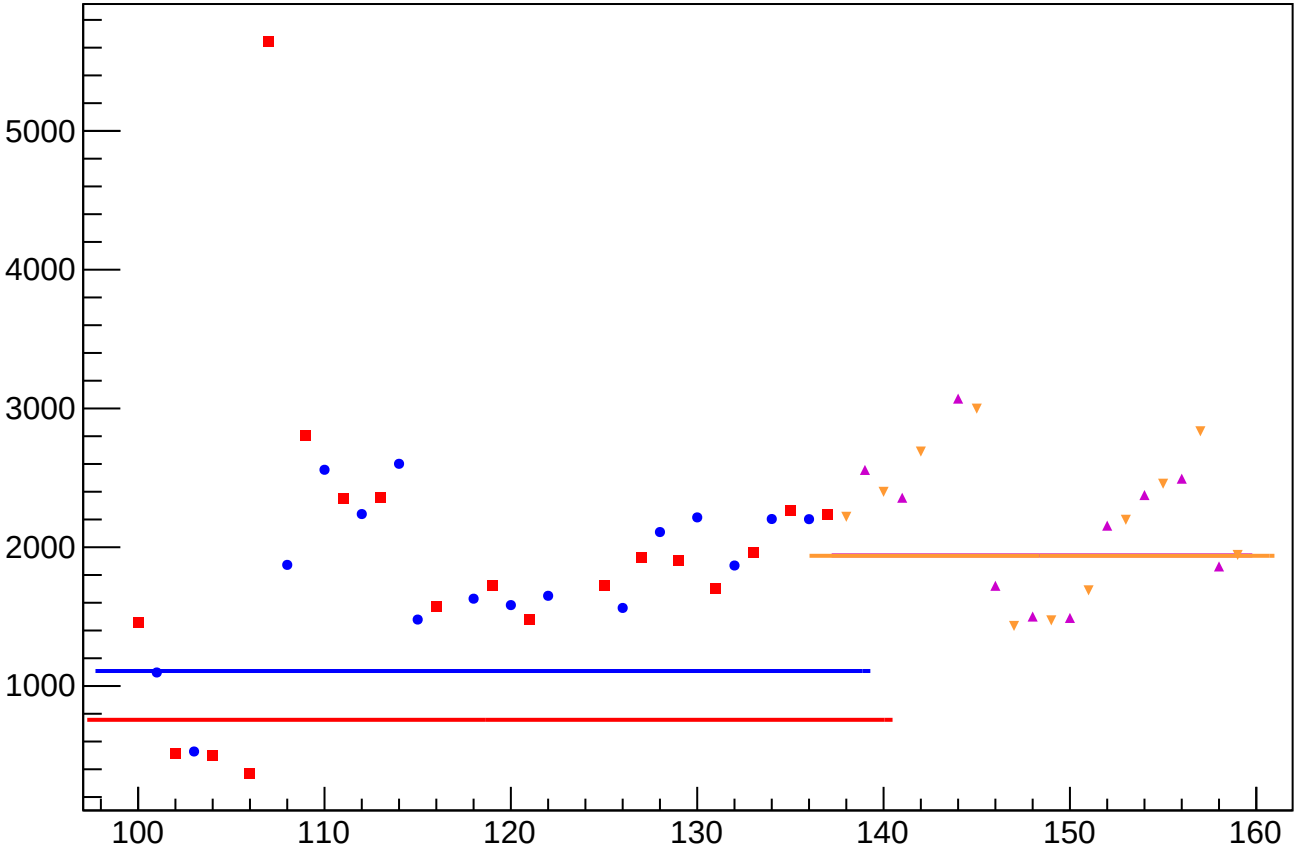
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 103.850+/-394.540 χ^2/NDF:20.5/25

Out: -474.101+/-320.048 χ^2/NDF:35.1/28

All: -244.726+/-248.553 χ^2/NDF: 56.9/54

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: 1938.327+/-0.482 χ^2/NDF:1015767.6/10

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1941.345+/-0.479 χ^2/NDF:888292.7/9

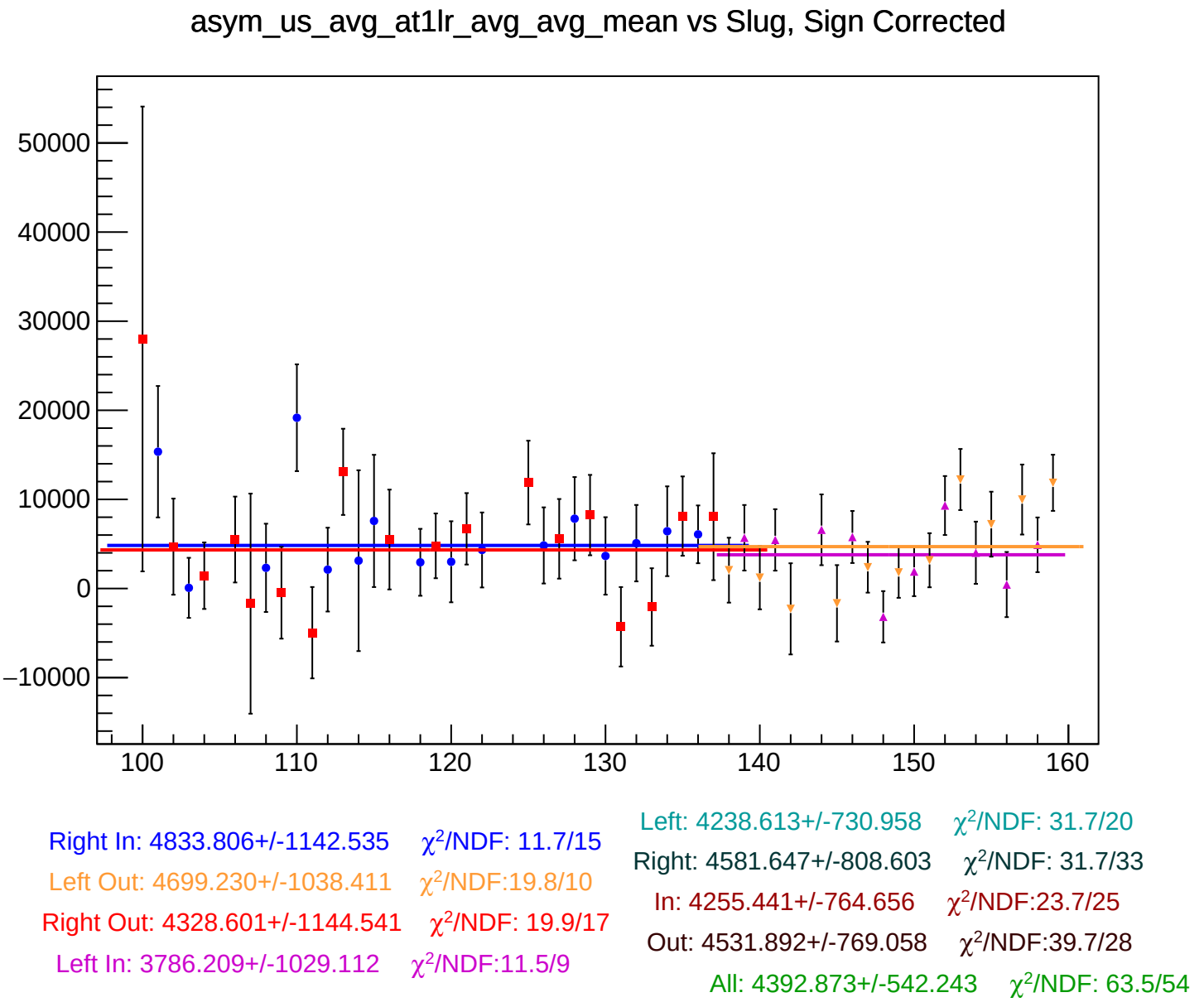
Left: 1939.844+/-0.340 χ^2/NDF: 1904080.0/20

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

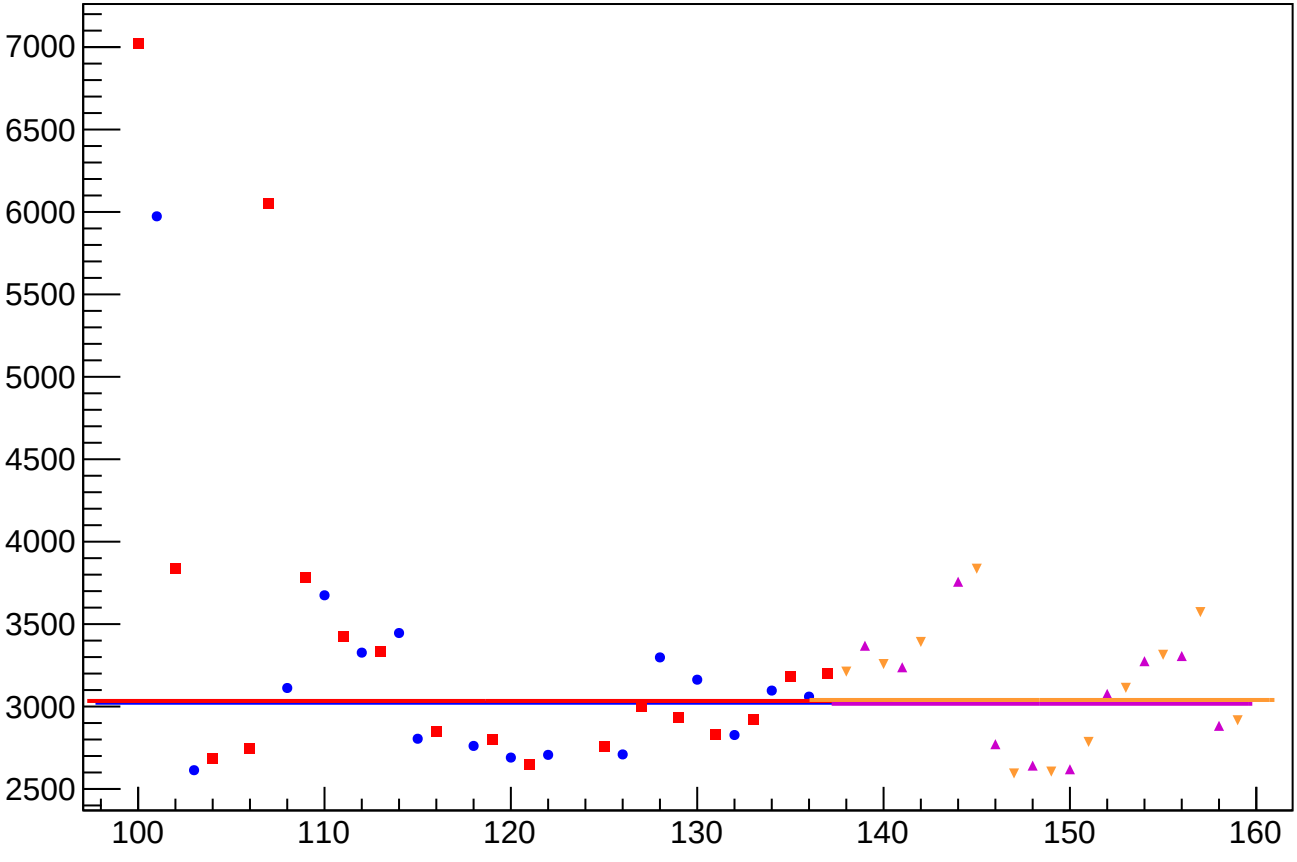
In: 1390.724+/-0.279 χ^2/NDF:6633790.3/25

Out: 1017.428+/-0.226 χ^2/NDF:11311783.5/28

All: 1165.580+/-0.176 χ^2/NDF: 19025417.6/5


asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 4833.806+/-1142.535 χ²/NDF: 11.7/15
Left Out: 4699.230+/-1038.411 χ²/NDF:19.8/10
Right Out: 4328.601+/-1144.541 χ²/NDF: 19.9/17
Left In: 3786.209+/-1029.112 χ²/NDF:11.5/9
Left: 4238.613+/-730.958 χ²/NDF: 31.7/20
Right: 4581.647+/-808.603 χ²/NDF: 31.7/33
In: 4255.441+/-764.656 χ²/NDF:23.7/25
Out: 4531.892+/-769.058 χ²/NDF:39.7/28
All: 4392.873+/-542.243 χ²/NDF: 63.5/54

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3039.843+/-0.734 χ^2/NDF:251860.8/10

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3016.792+/-0.728 χ^2/NDF:213236.0/9

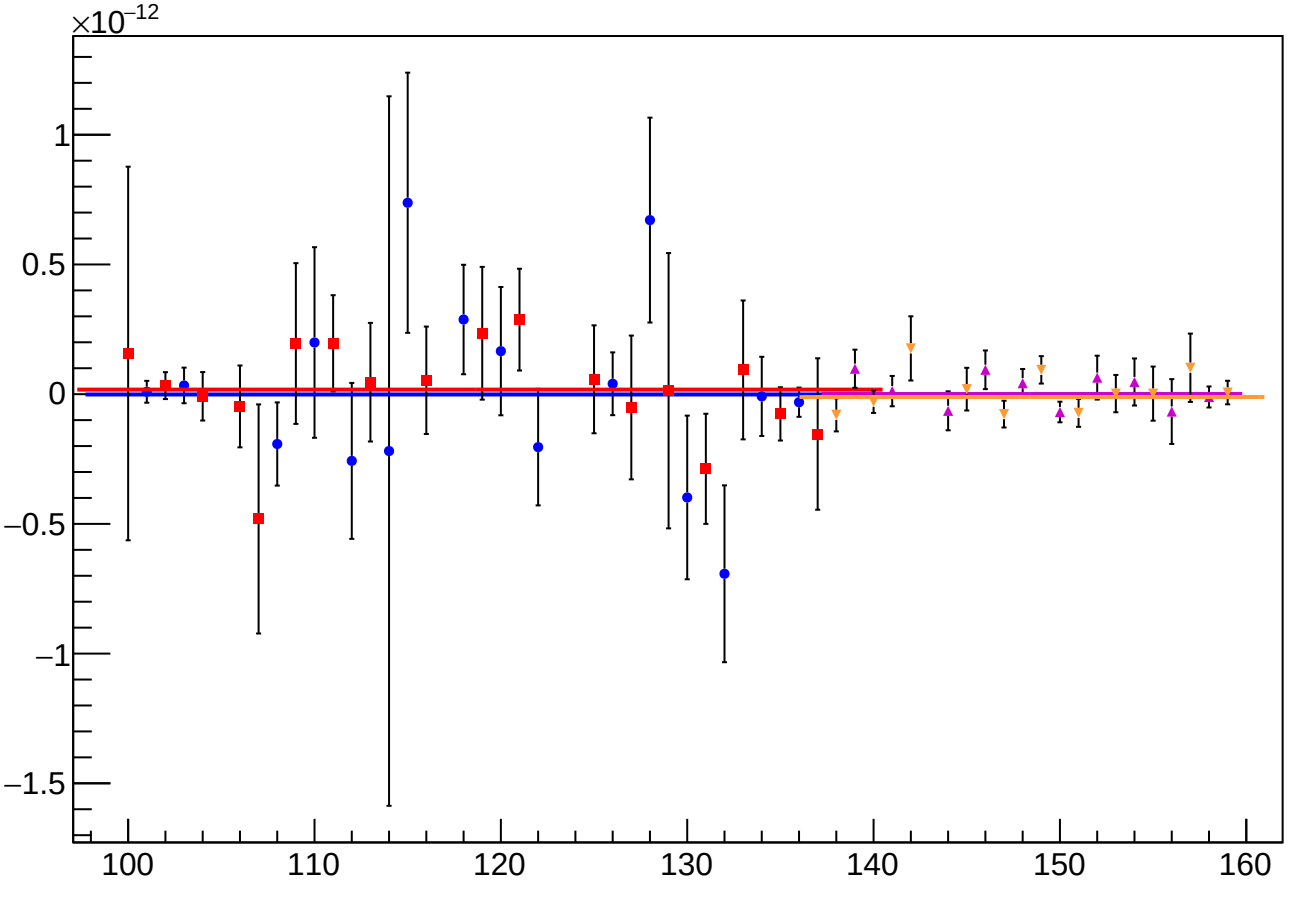
Left: 3028.214+/-0.517 χ^2/NDF: 465594.0/20

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3019.603+/-0.541 χ^2/NDF:656975.2/25

Out: 3037.146+/-0.544 χ^2/NDF:594565.3/28

All: 3028.324+/-0.383 χ^2/NDF: 1252063.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

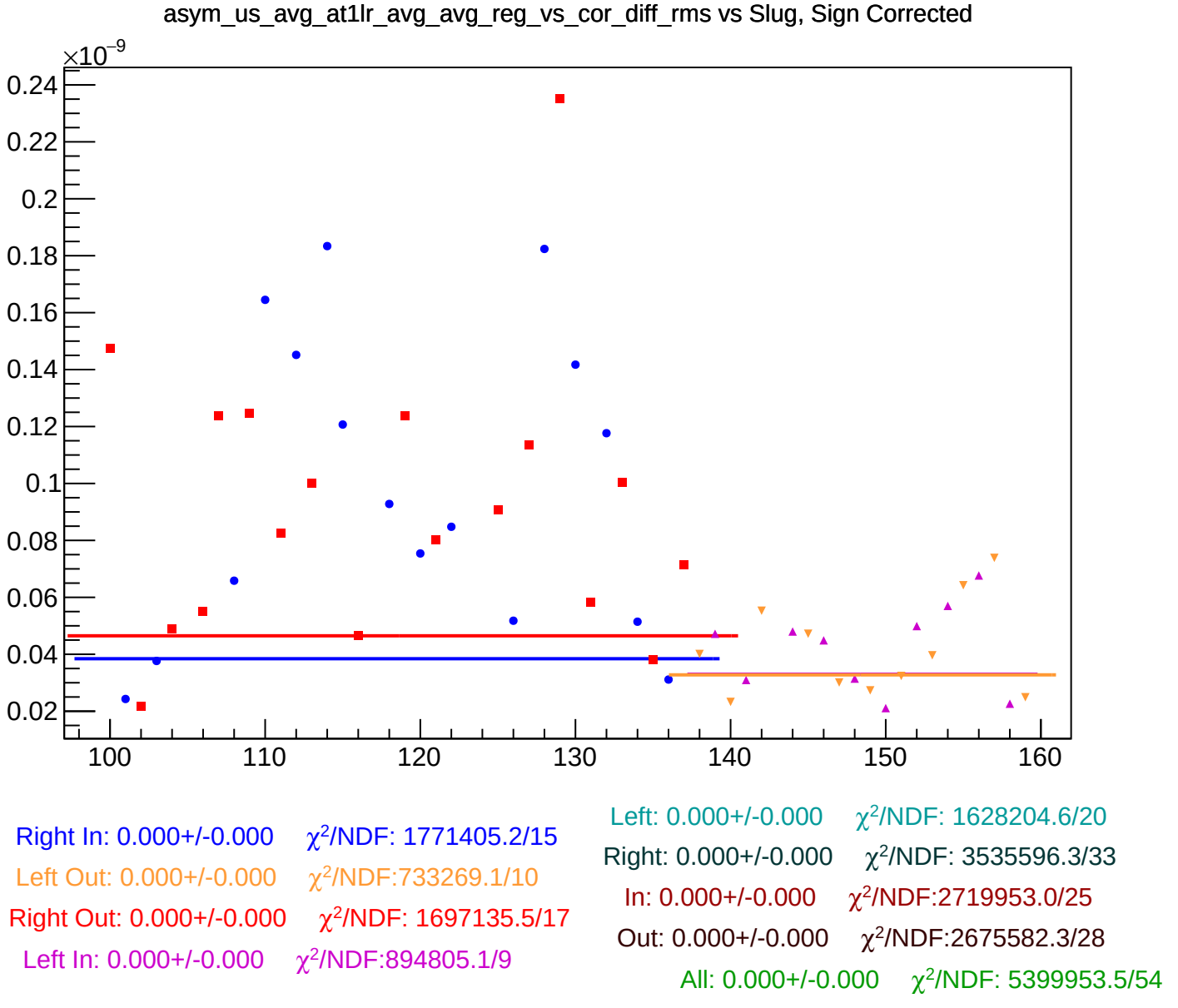
Left: -0.000+/-0.000 χ^2/NDF: 20.7/20

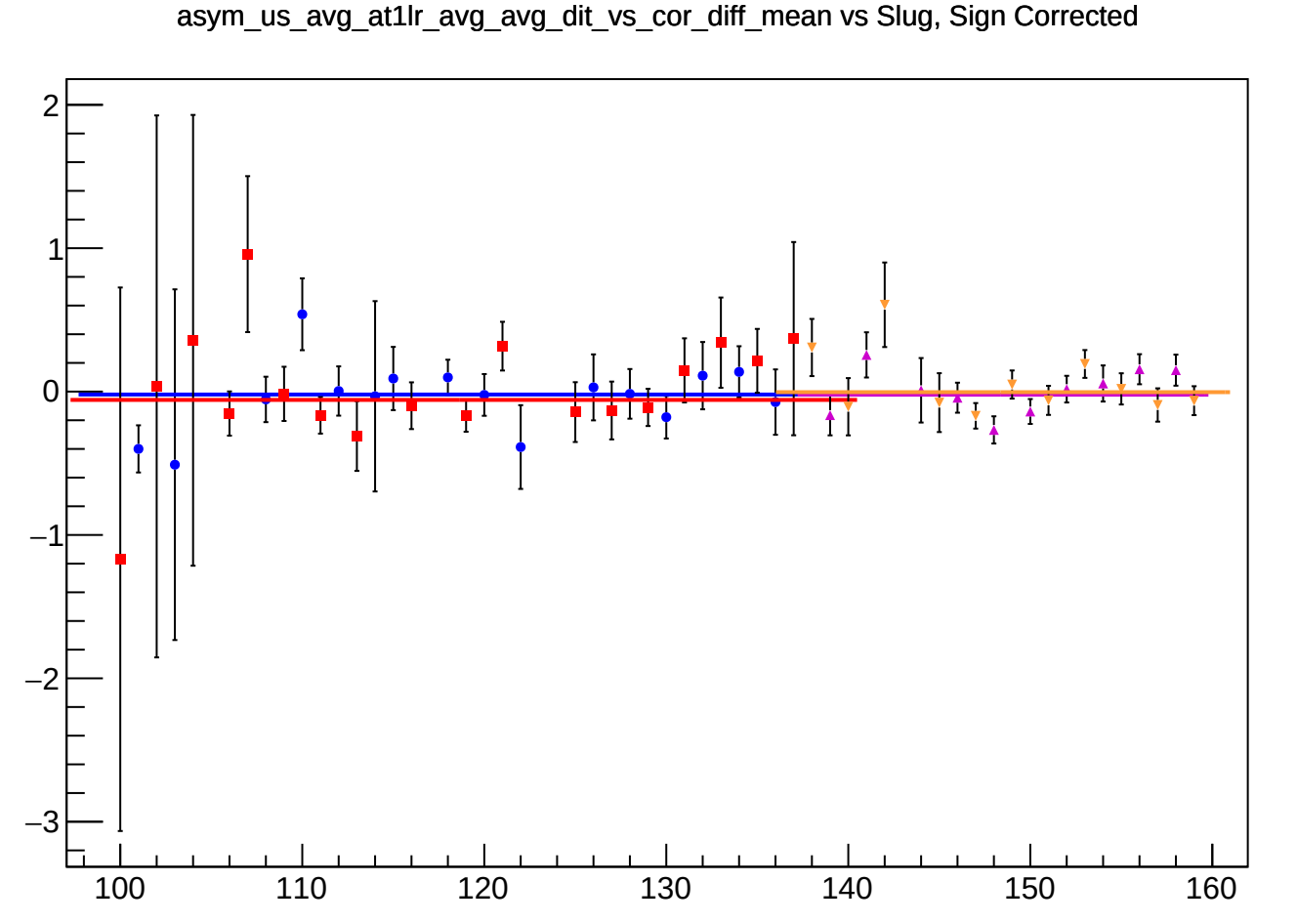
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:26.0/25

Out: -0.000+/-0.000 χ^2/NDF:21.1/28

All: -0.000+/-0.000 χ^2/NDF: 47.1/54


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
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:733269.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:894805.1/9
Left: 0.000+/-0.000 χ²/NDF: 1628204.6/20
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:2719953.0/25
Out: 0.000+/-0.000 χ²/NDF:2675582.3/28
All: 0.000+/-0.000 χ²/NDF: 5399953.5/54



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.013+/-0.025 χ^2/NDF: 35.0/20

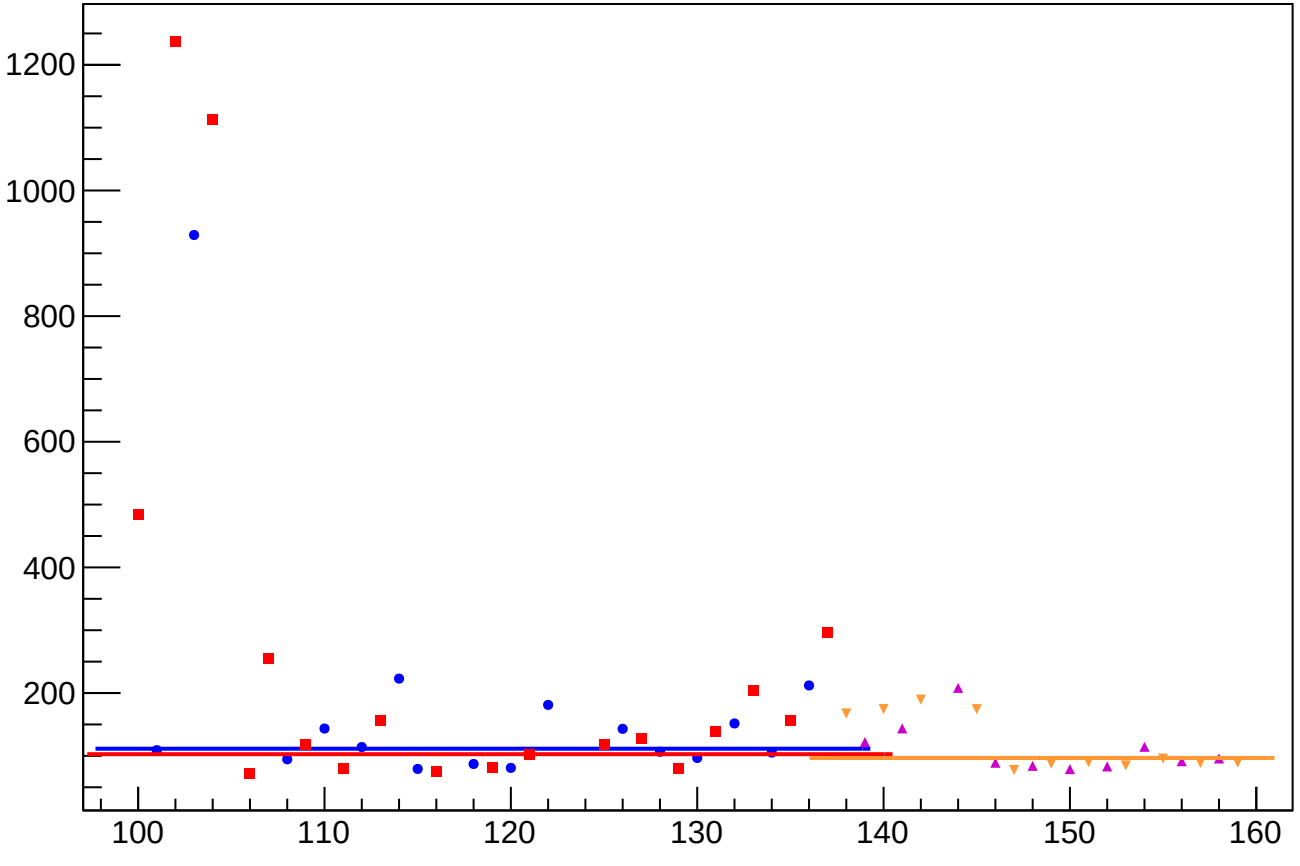
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.023+/-0.020 χ^2/NDF: 68.2/54

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208684.7/10

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

Left: 96.634+/-0.018 χ^2/NDF: 2158665.9/20

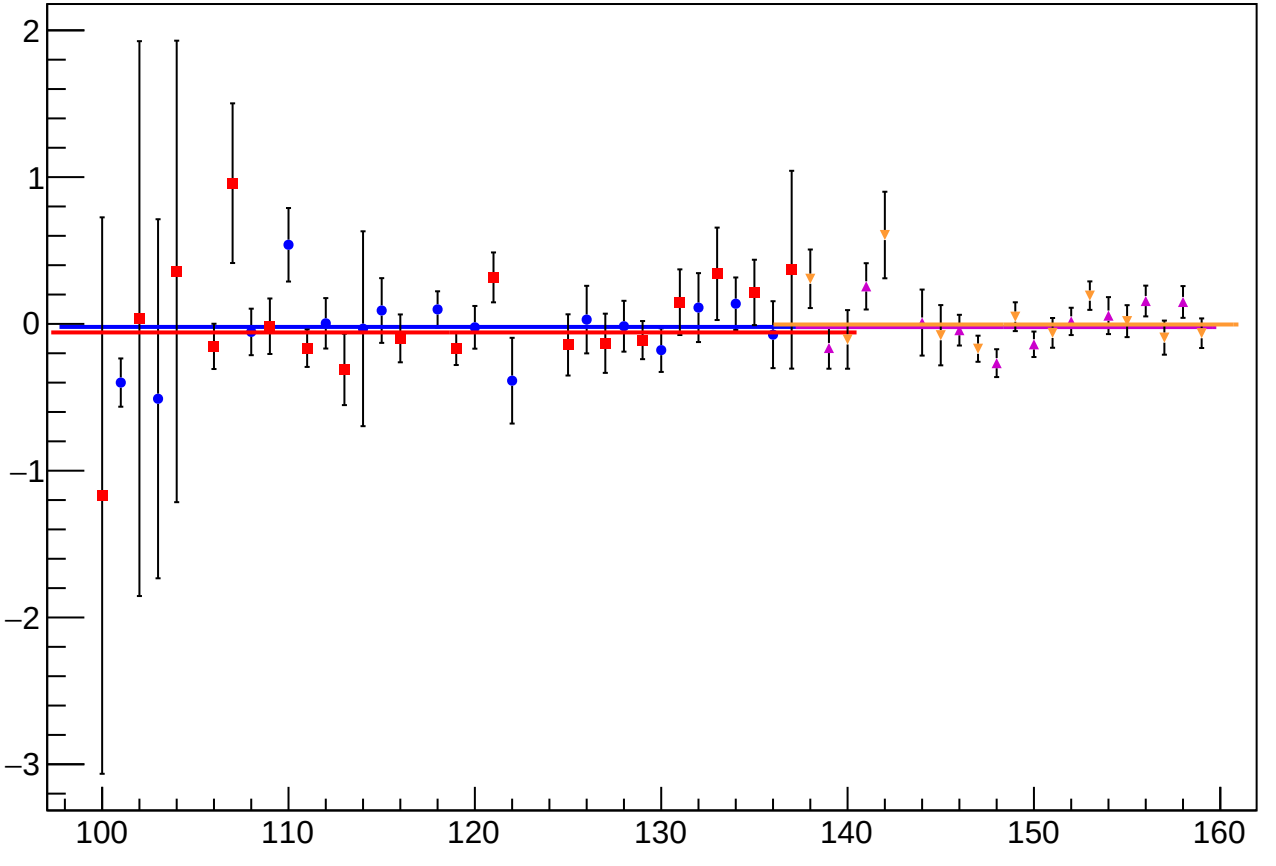
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.893+/-0.020 χ^2/NDF:2913077.5/25

Out: 98.883+/-0.020 χ^2/NDF:4056869.0/28

All: 100.388+/-0.014 χ^2/NDF: 6981193.2/54

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.013+/-0.025 χ^2/NDF: 35.0/20

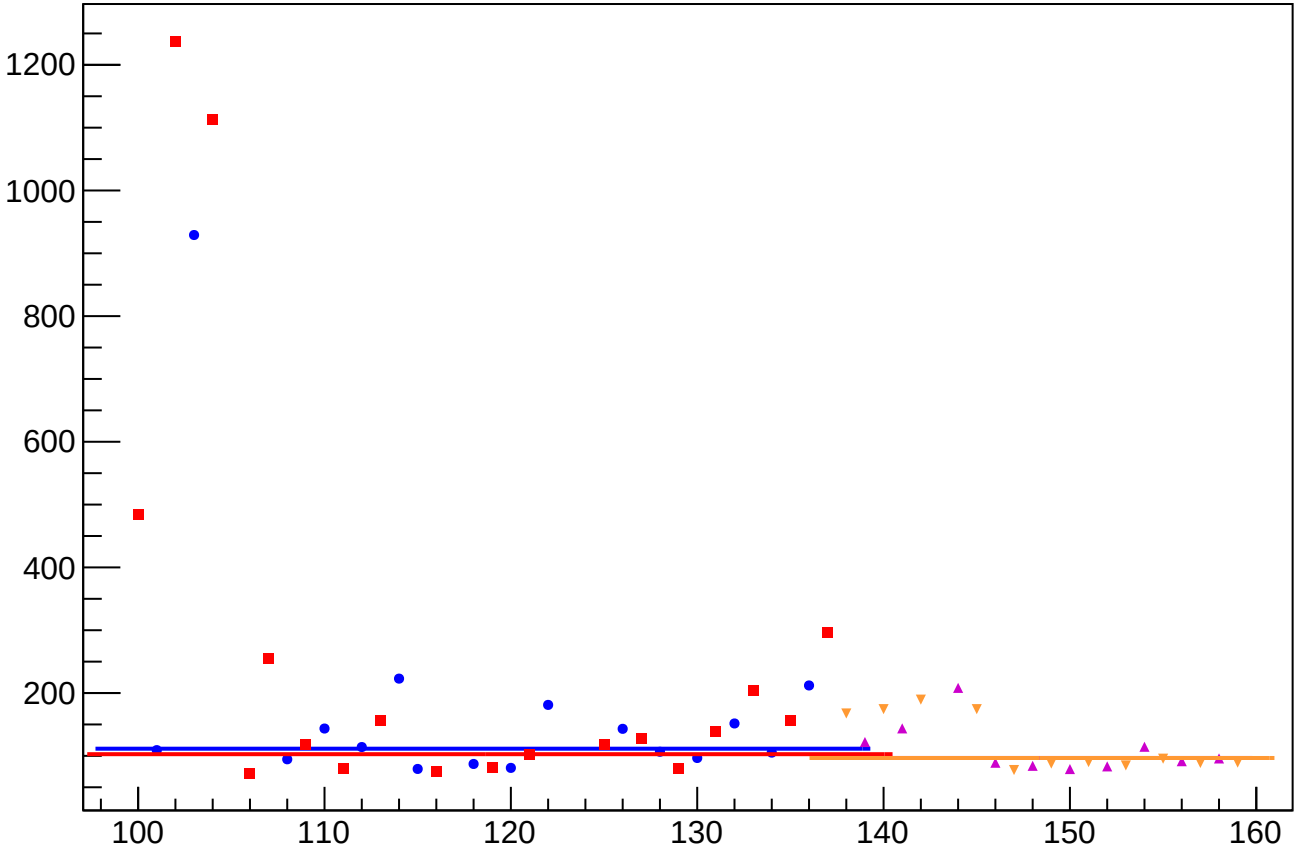
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.023+/-0.020 χ^2/NDF: 68.2/54

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: 96.614+/-0.025 χ^2/NDF:1208684.7/10

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

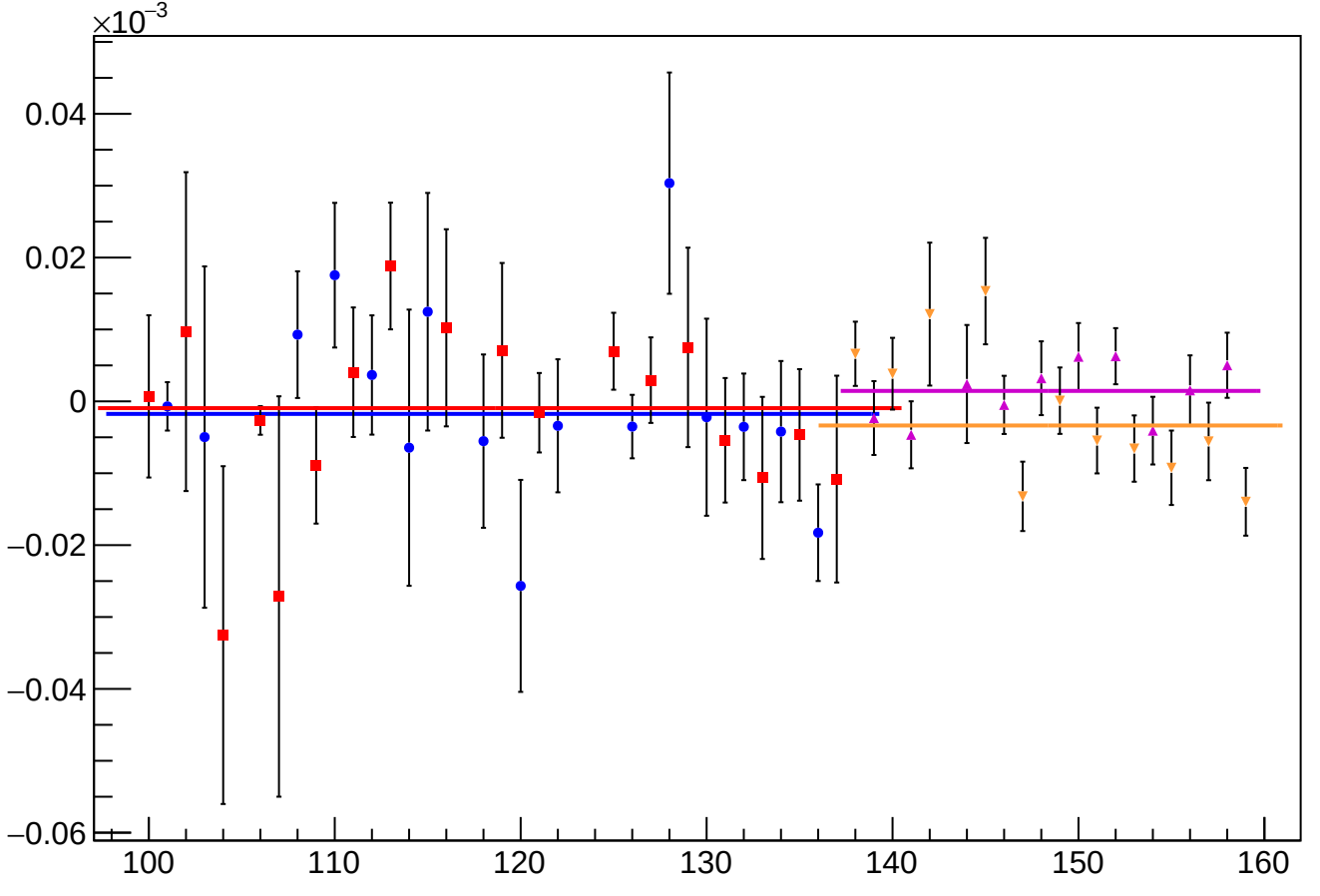
Left: 96.634+/-0.018 χ^2/NDF: 2158665.9/20

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.893+/-0.020 χ^2/NDF:2913077.5/25

Out: 98.883+/-0.020 χ^2/NDF:4056869.0/28

All: 100.388+/-0.014 χ^2/NDF: 6981193.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/9

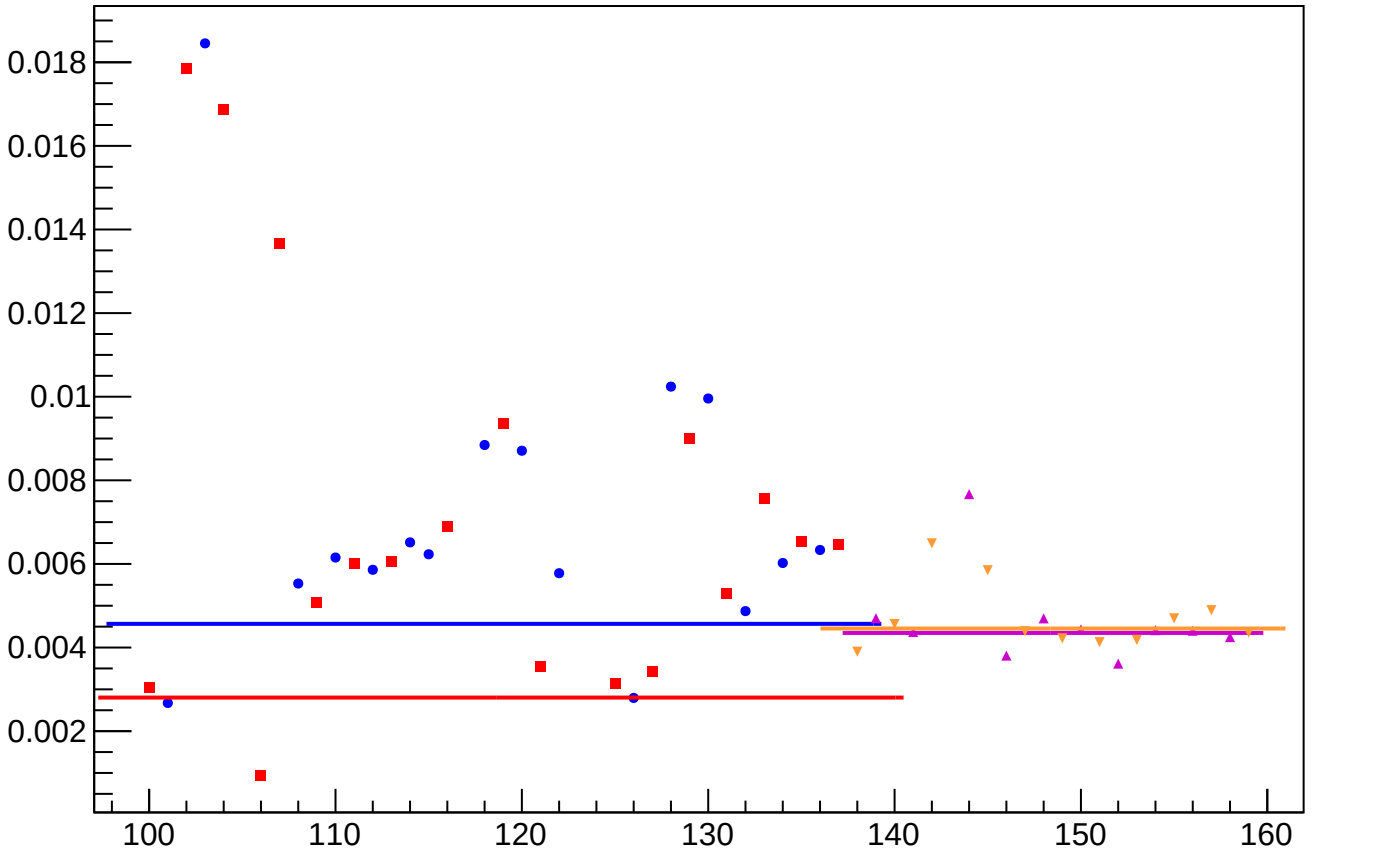
Left: -0.000+/-0.000 χ^2/NDF: 40.0/20

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:28.9/25

Out: -0.000+/-0.000 χ^2/NDF:44.8/28

All: -0.000+/-0.000 χ^2/NDF: 75.9/54



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:227740.9/10

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:454405.7/9

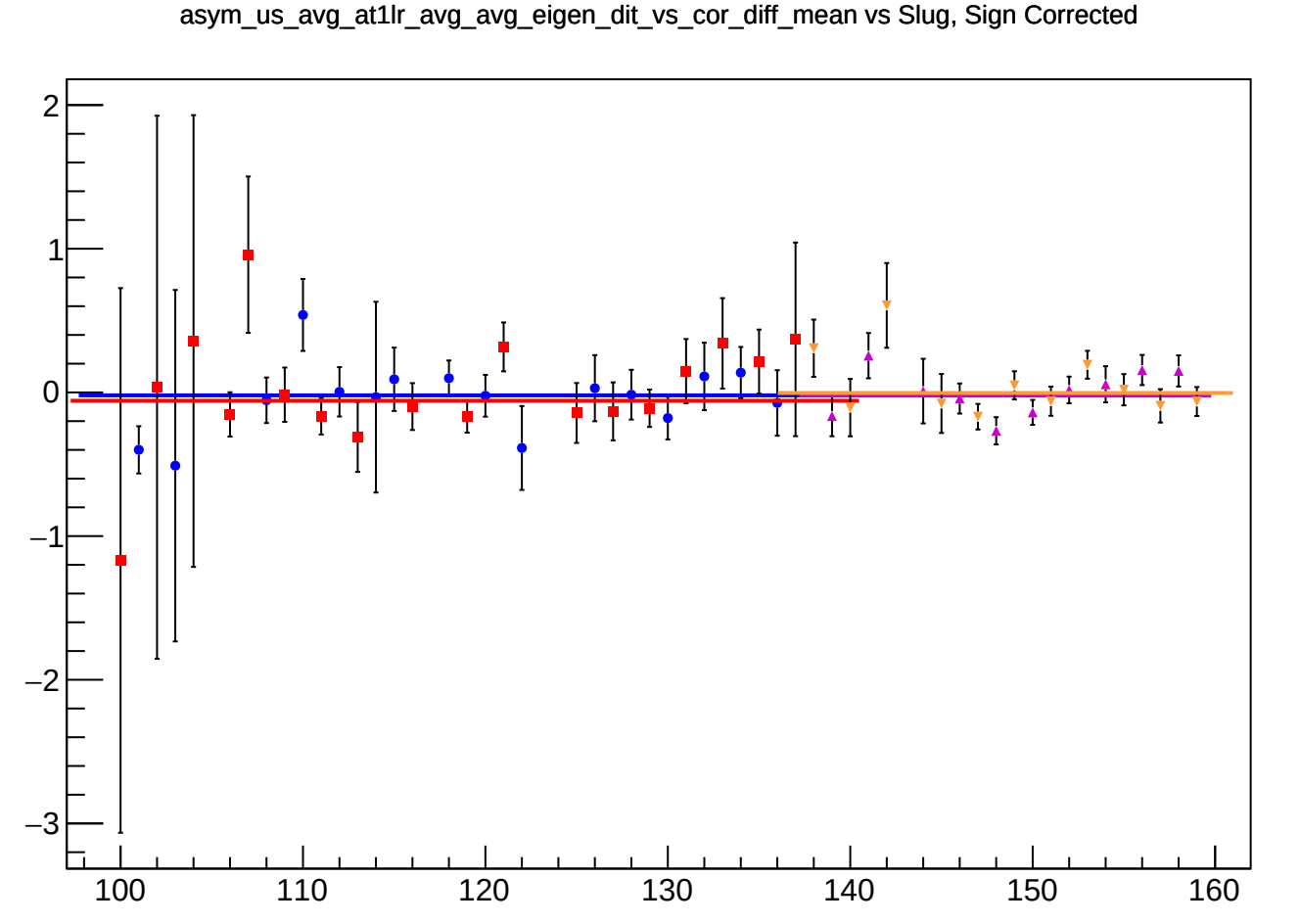
Left: 0.004+/-0.000 χ^2/NDF: 687040.3/20

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3482540.6/25

Out: 0.004+/-0.000 χ^2/NDF:8033416.5/28

All: 0.004+/-0.000 χ^2/NDF: 12067443.2/54



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.013+/-0.025 χ^2/NDF: 35.0/20

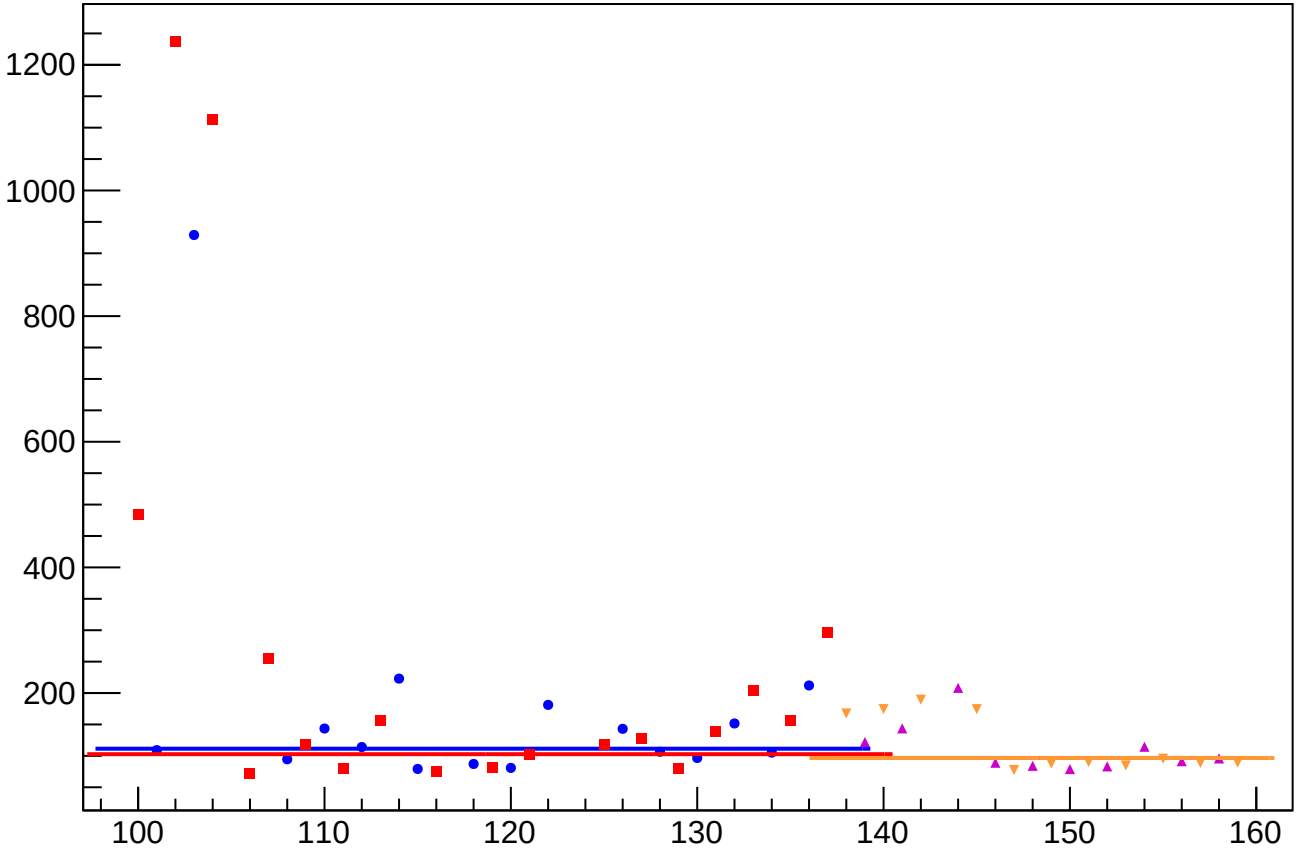
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.023+/-0.020 χ^2/NDF: 68.2/54

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: 96.614+/-0.025 χ^2/NDF:1208666.4/10

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

Left: 96.635+/-0.018 χ^2/NDF: 2158634.5/20

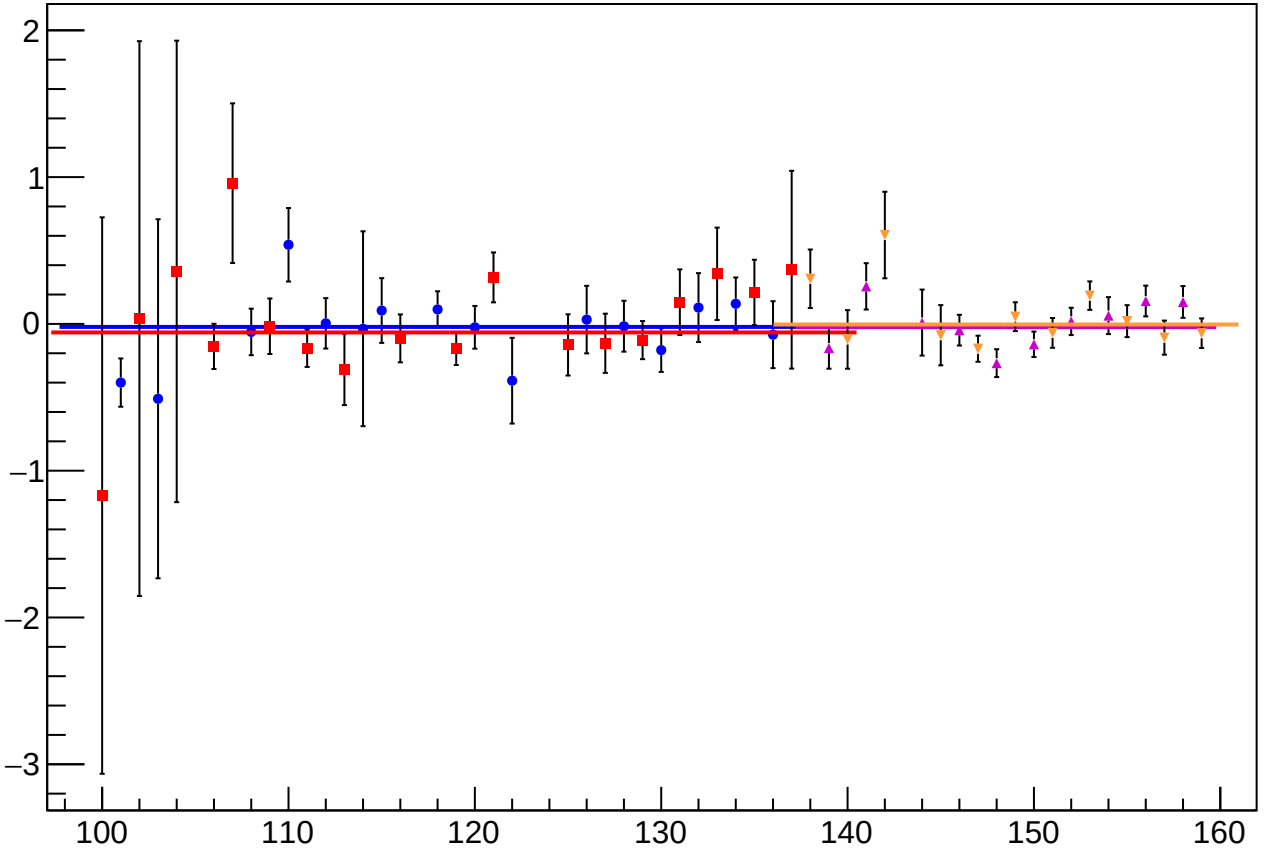
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.893+/-0.020 χ^2/NDF:2913060.7/25

Out: 98.882+/-0.020 χ^2/NDF:4056833.9/28

All: 100.388+/-0.014 χ^2/NDF: 6981140.5/54

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: -0.004+/-0.036 χ^2/NDF:16.2/10

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.013+/-0.025 χ^2/NDF: 35.0/20

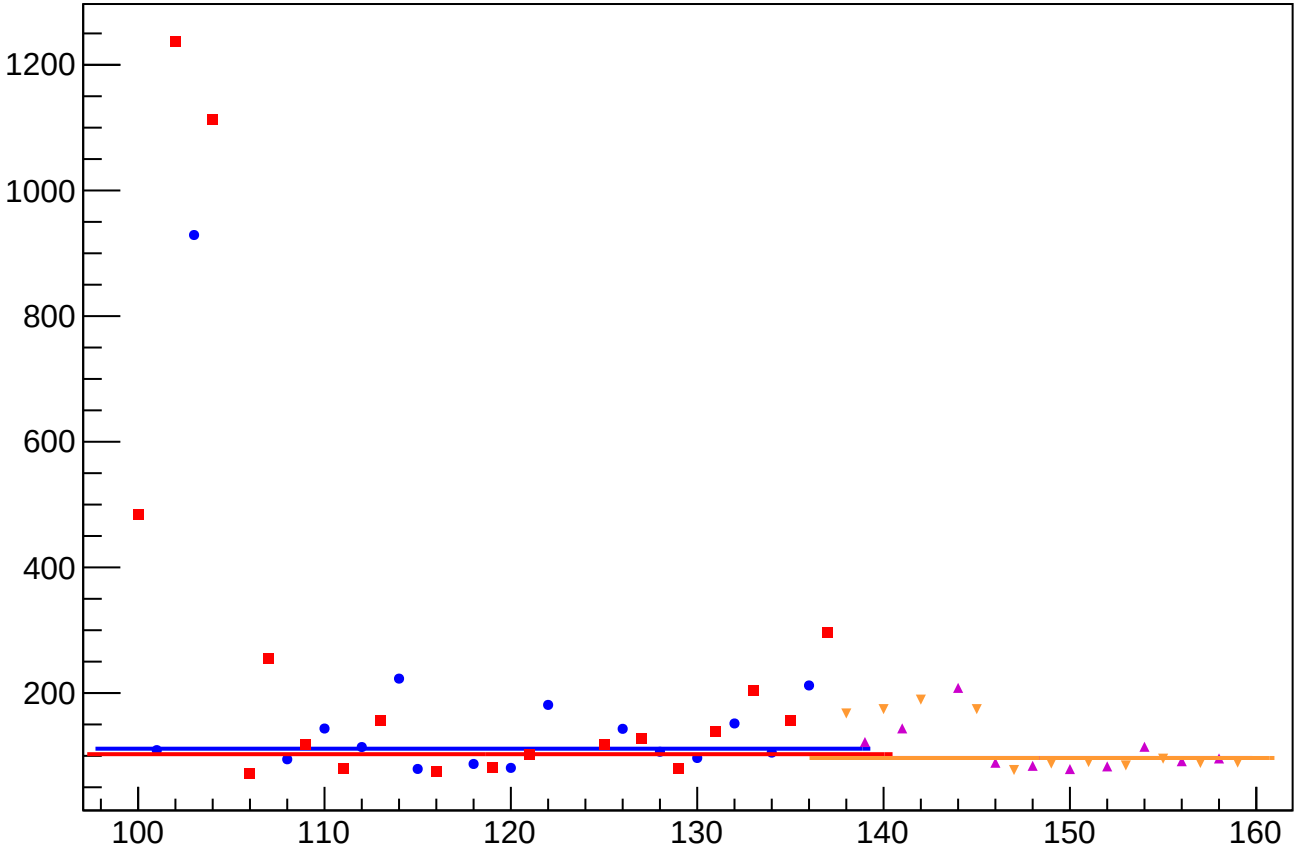
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.023+/-0.020 χ^2/NDF: 68.2/54

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: 96.614+/-0.025 χ^2/NDF:1208666.4/10

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

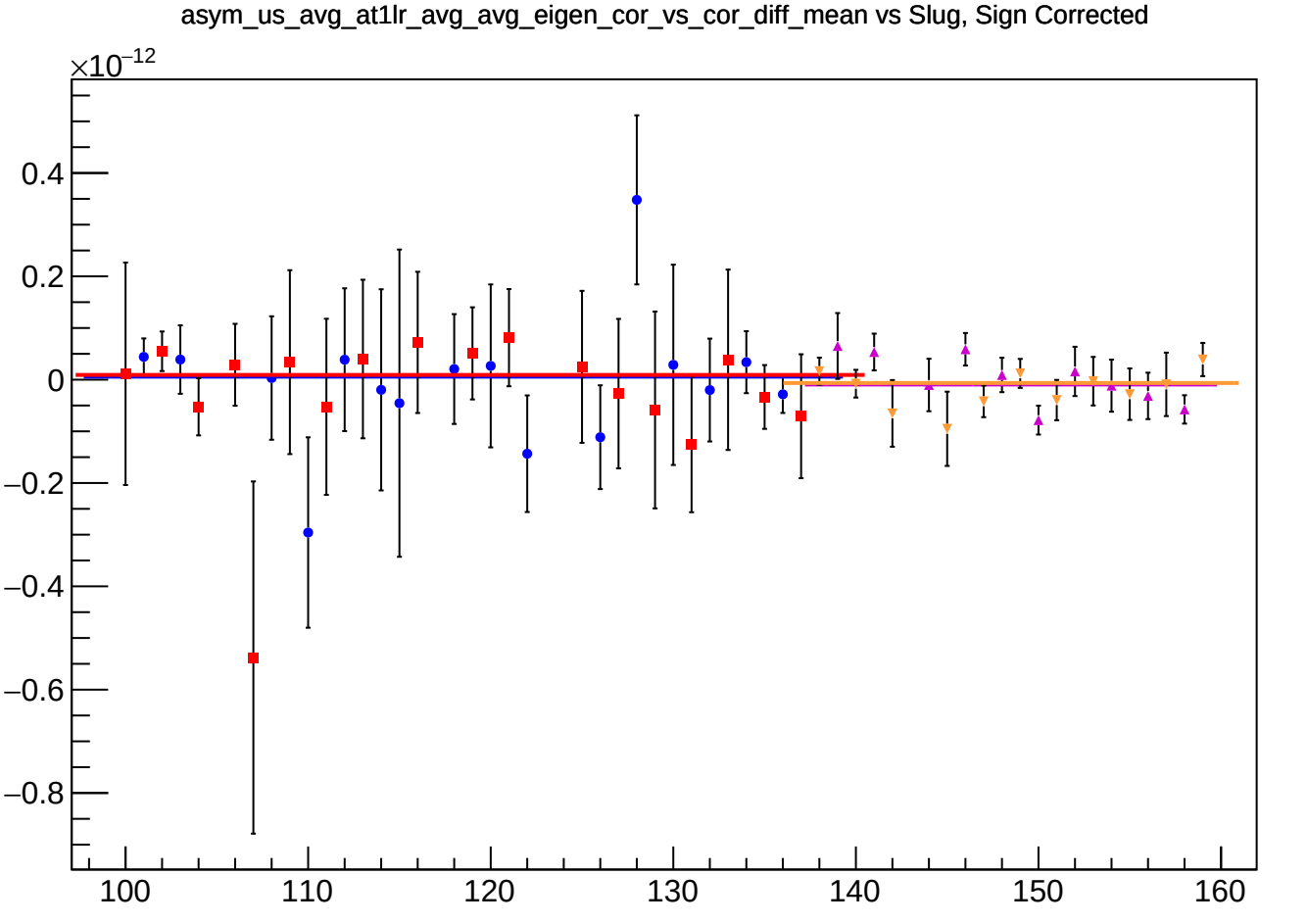
Left: 96.635+/-0.018 χ^2/NDF: 2158634.5/20

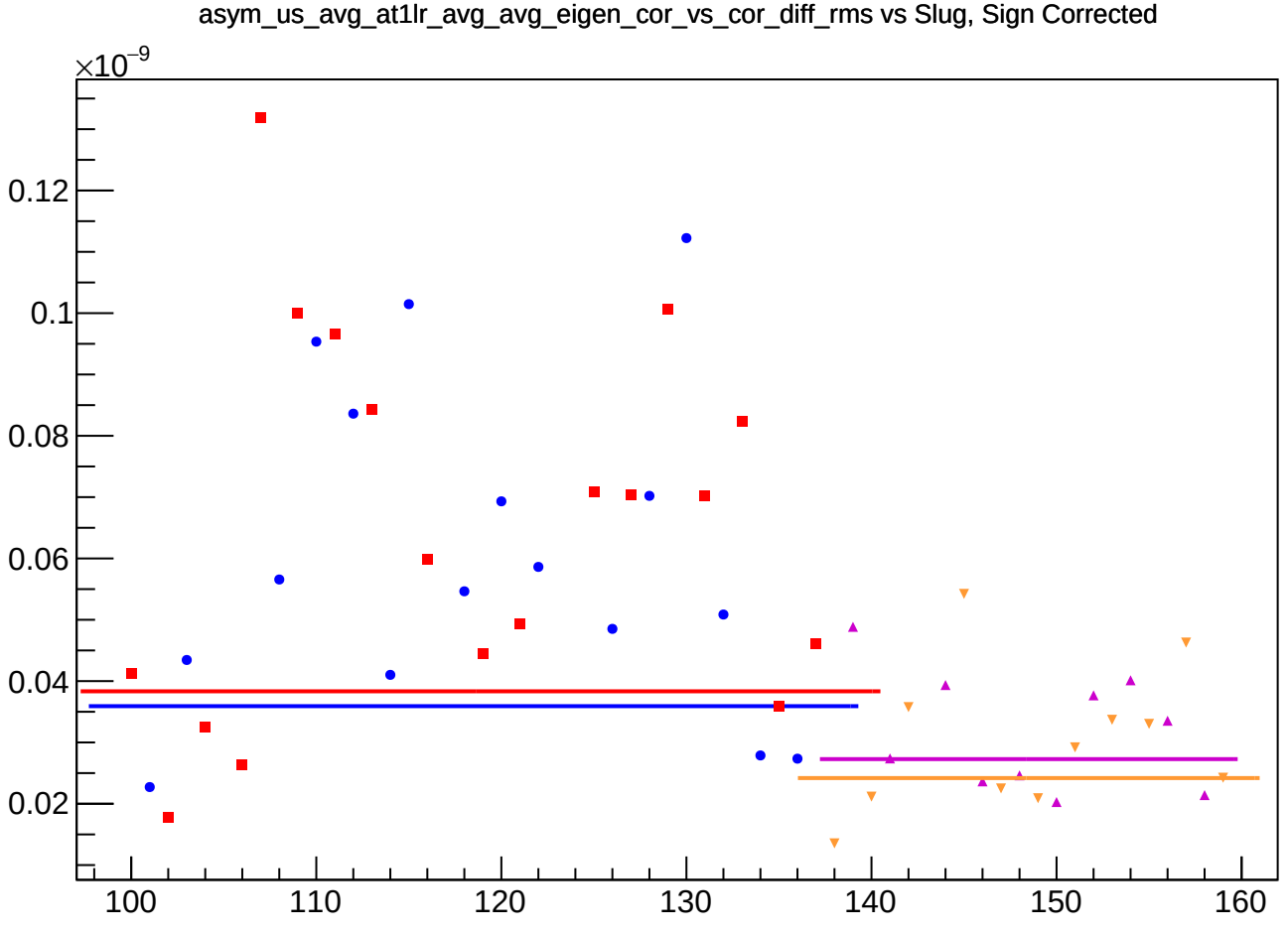
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.893+/-0.020 χ^2/NDF:2913060.7/25

Out: 98.882+/-0.020 χ^2/NDF:4056833.9/28

All: 100.388+/-0.014 χ^2/NDF: 6981140.5/54


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:7.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:19.2/9
Left: -0.000+/-0.000 χ²/NDF: 27.0/20
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:32.6/25
Out: -0.000+/-0.000 χ²/NDF:16.9/28
All: -0.000+/-0.000 χ²/NDF: 49.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1237928.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:862370.5/9

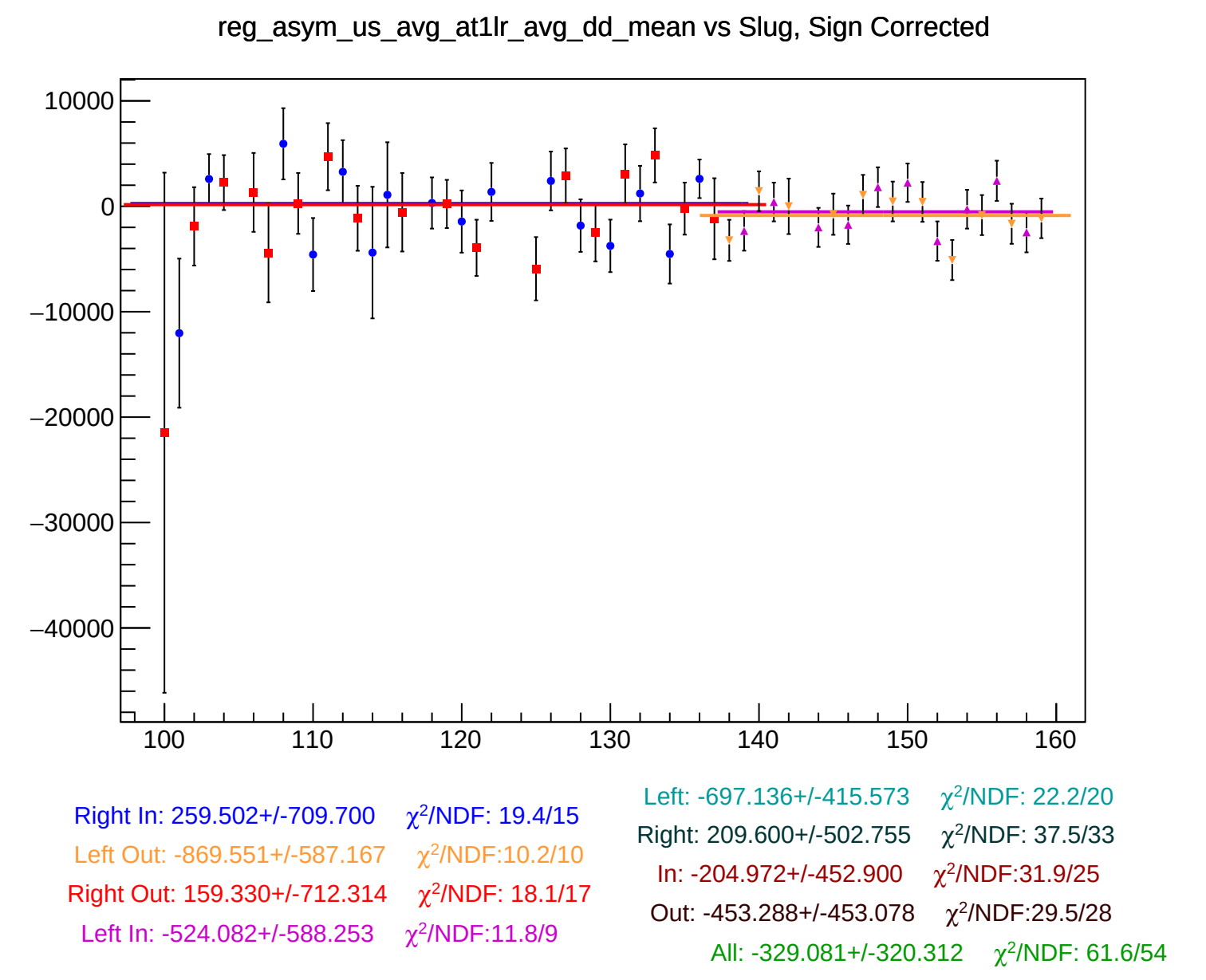
Left: 0.000+/-0.000 χ^2/NDF: 2174551.1/20

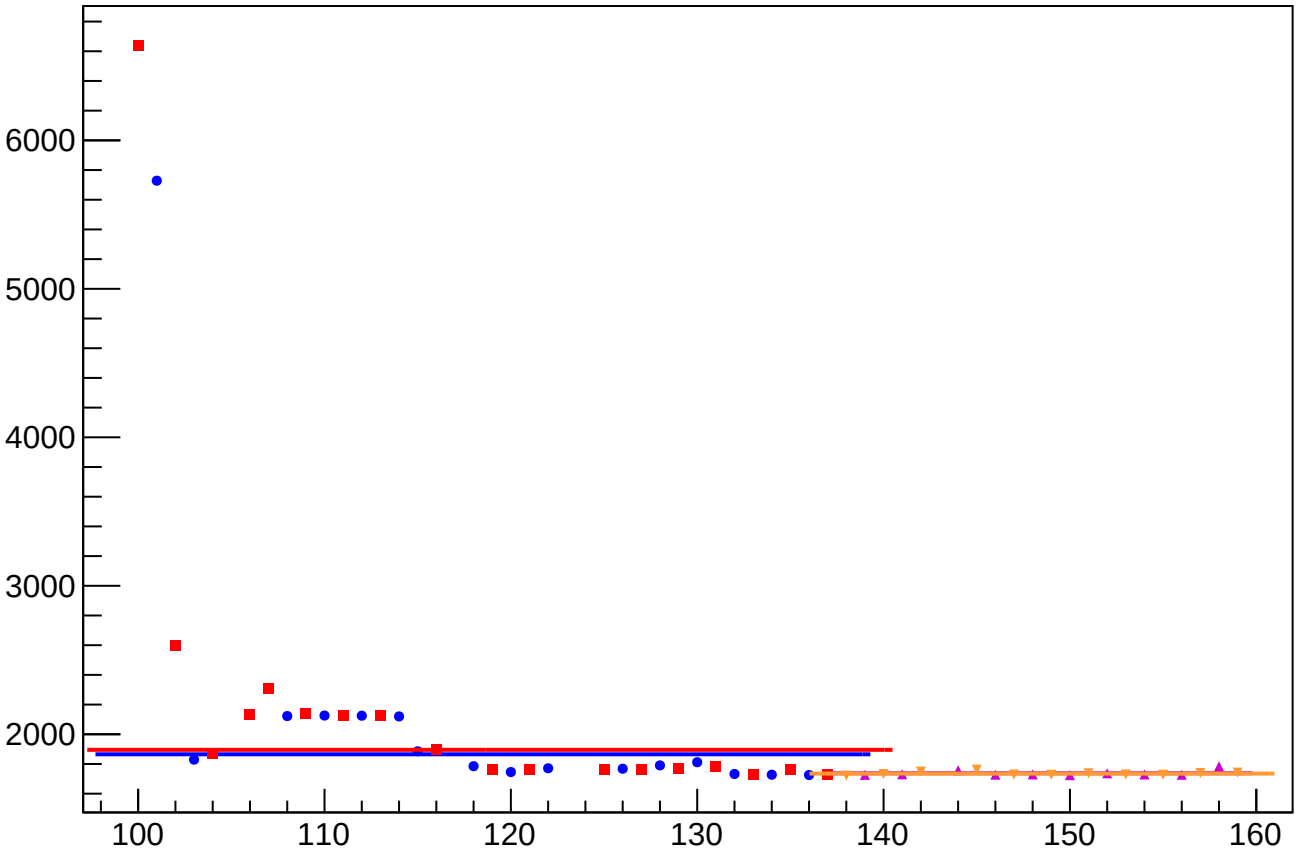
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2916360.1/25

Out: 0.000+/-0.000 χ^2/NDF:4122385.7/28

All: 0.000+/-0.000 χ^2/NDF: 7105477.1/54


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 259.502+/-709.700 χ²/NDF: 19.4/15
Left Out: -869.551+/-587.167 χ²/NDF:10.2/10
Right Out: 159.330+/-712.314 χ²/NDF: 18.1/17
Left In: -524.082+/-588.253 χ²/NDF:11.8/9
Left: -697.136+/-415.573 χ²/NDF: 22.2/20
Right: 209.600+/-502.755 χ²/NDF: 37.5/33
In: -204.972+/-452.900 χ²/NDF:31.9/25
Out: -453.288+/-453.078 χ²/NDF:29.5/28
All: -329.081+/-320.312 χ²/NDF: 61.6/54



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.199+/-0.415 χ^2/NDF:666.6/10

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

Left: 1736.355+/-0.294 χ^2/NDF: 2498.3/20

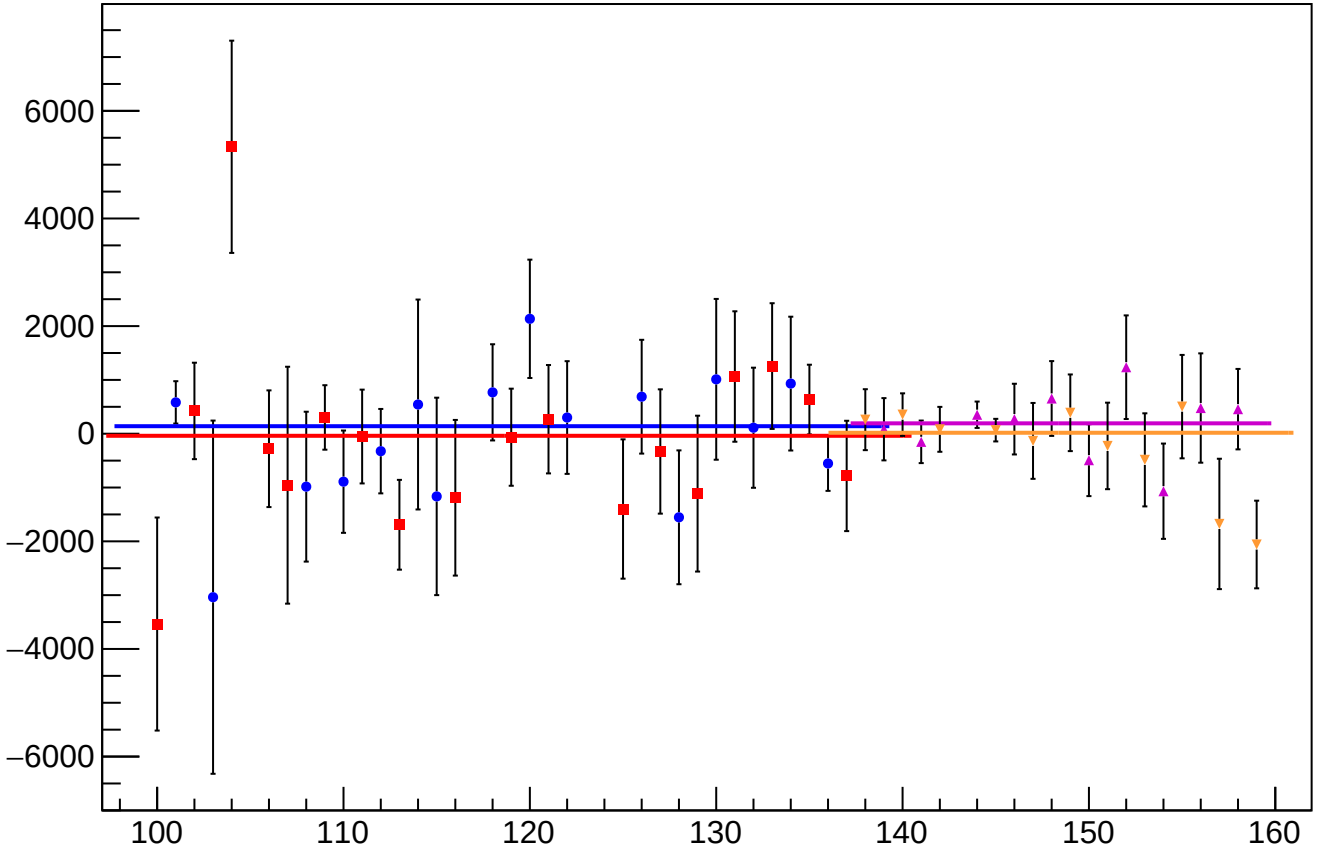
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1789.502+/-0.320 χ^2/NDF:712896.4/25

Out: 1799.952+/-0.320 χ^2/NDF:311594.0/28

All: 1794.725+/-0.226 χ^2/NDF: 1025022.6/54

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: 17.807+/-144.216 χ^2/NDF:10.4/10

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 192.989+/-162.687 χ^2/NDF:6.1/9

Left: 94.893+/-107.918 χ^2/NDF: 17.2/20

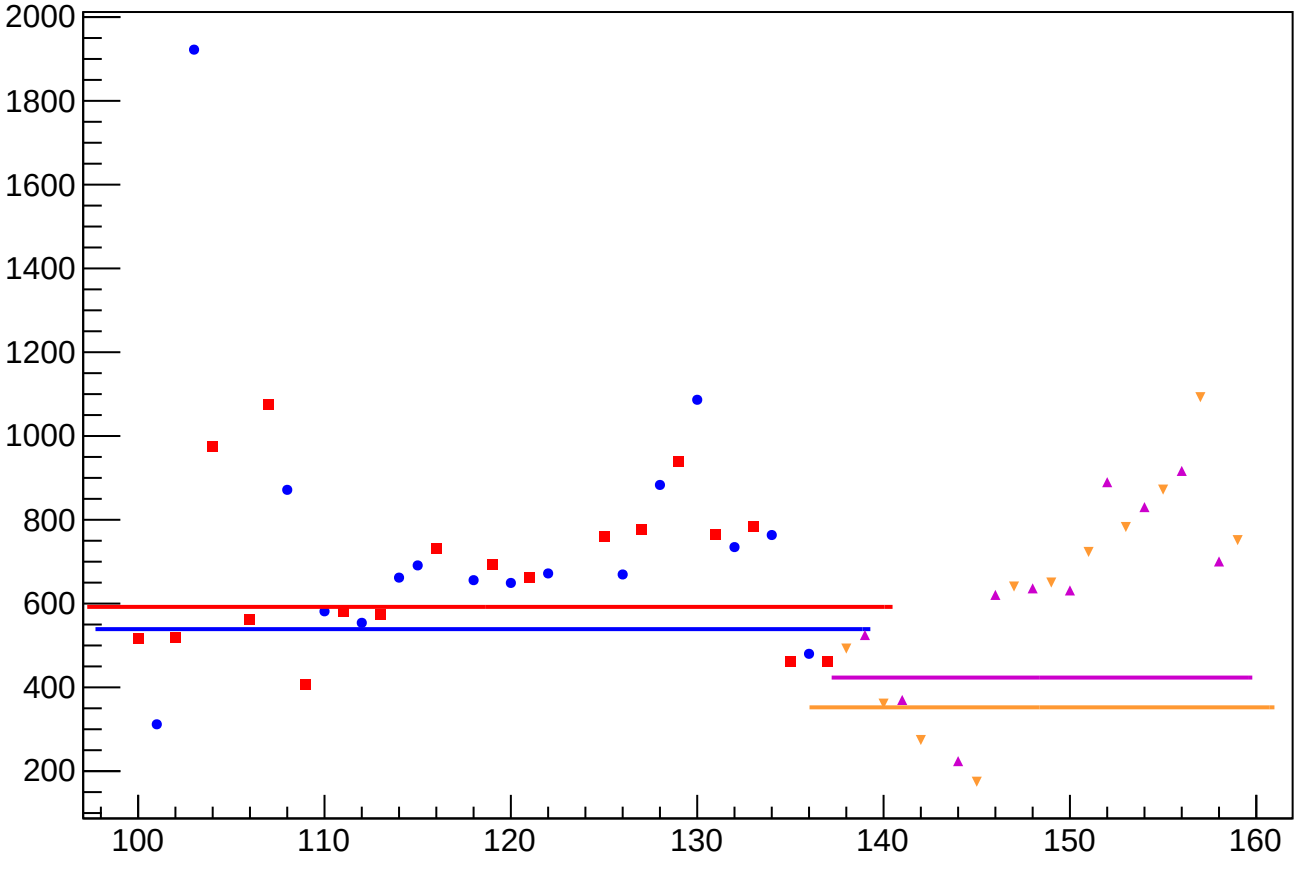
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 174.196+/-130.828 χ^2/NDF:19.6/25

Out: 2.674+/-123.375 χ^2/NDF:31.9/28

All: 83.410+/-89.758 χ^2/NDF: 52.4/54

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: 352.336+/-0.102 χ^2/NDF:5042253.9/10

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 423.383+/-0.115 χ^2/NDF:3623674.4/9

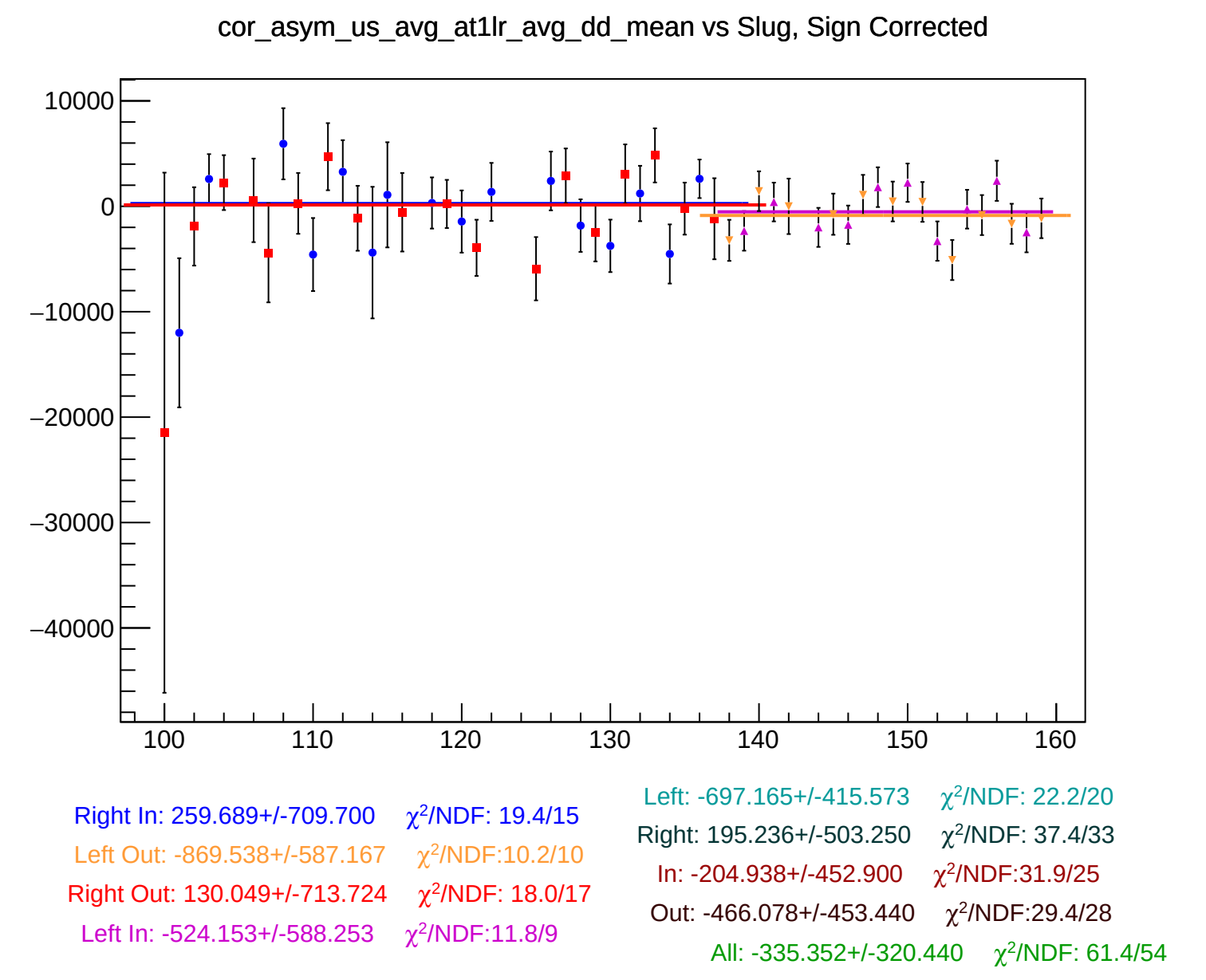
Left: 383.599+/-0.076 χ^2/NDF: 8879514.2/20

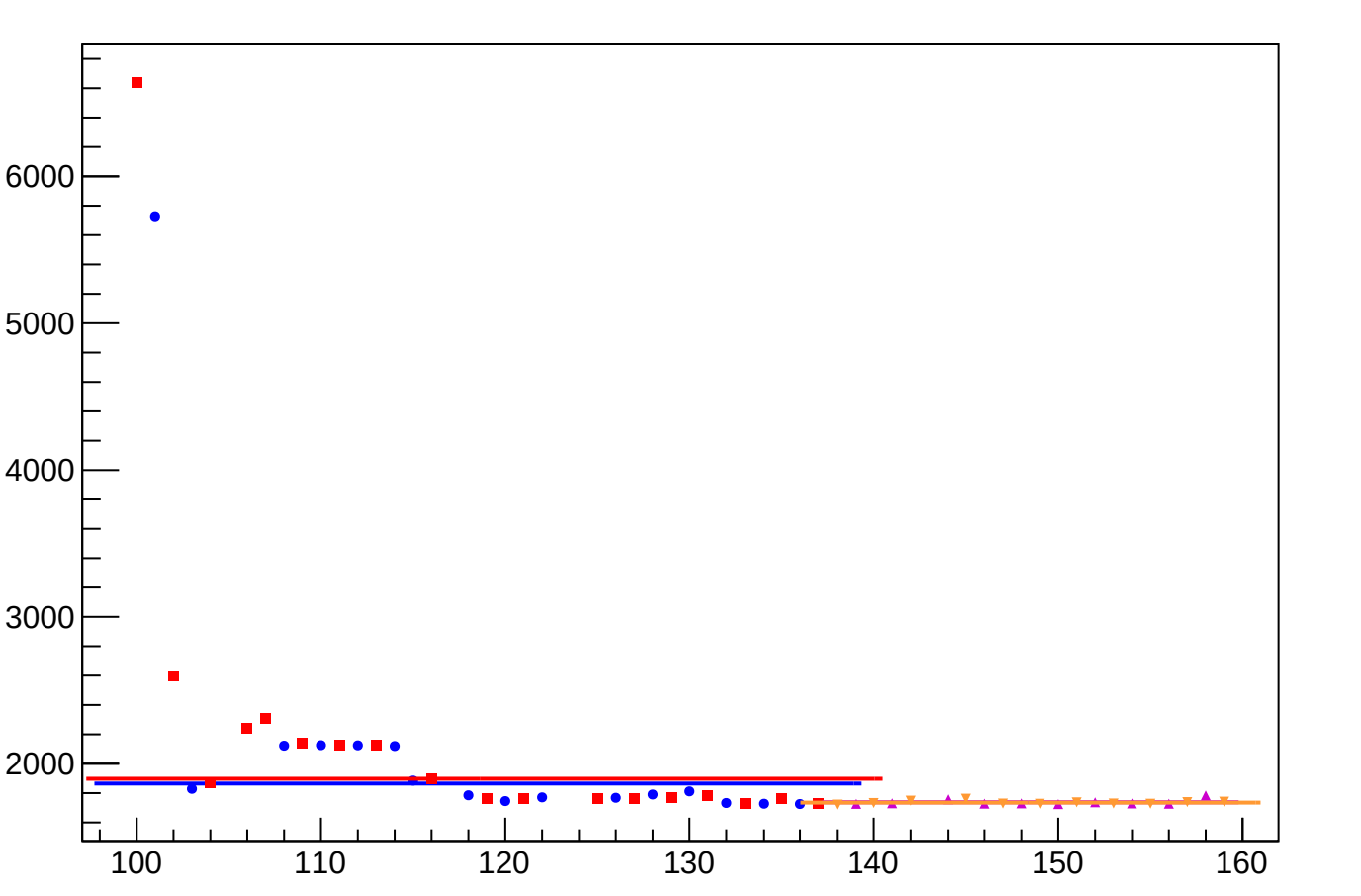
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 464.238+/-0.093 χ^2/NDF:5835233.7/25

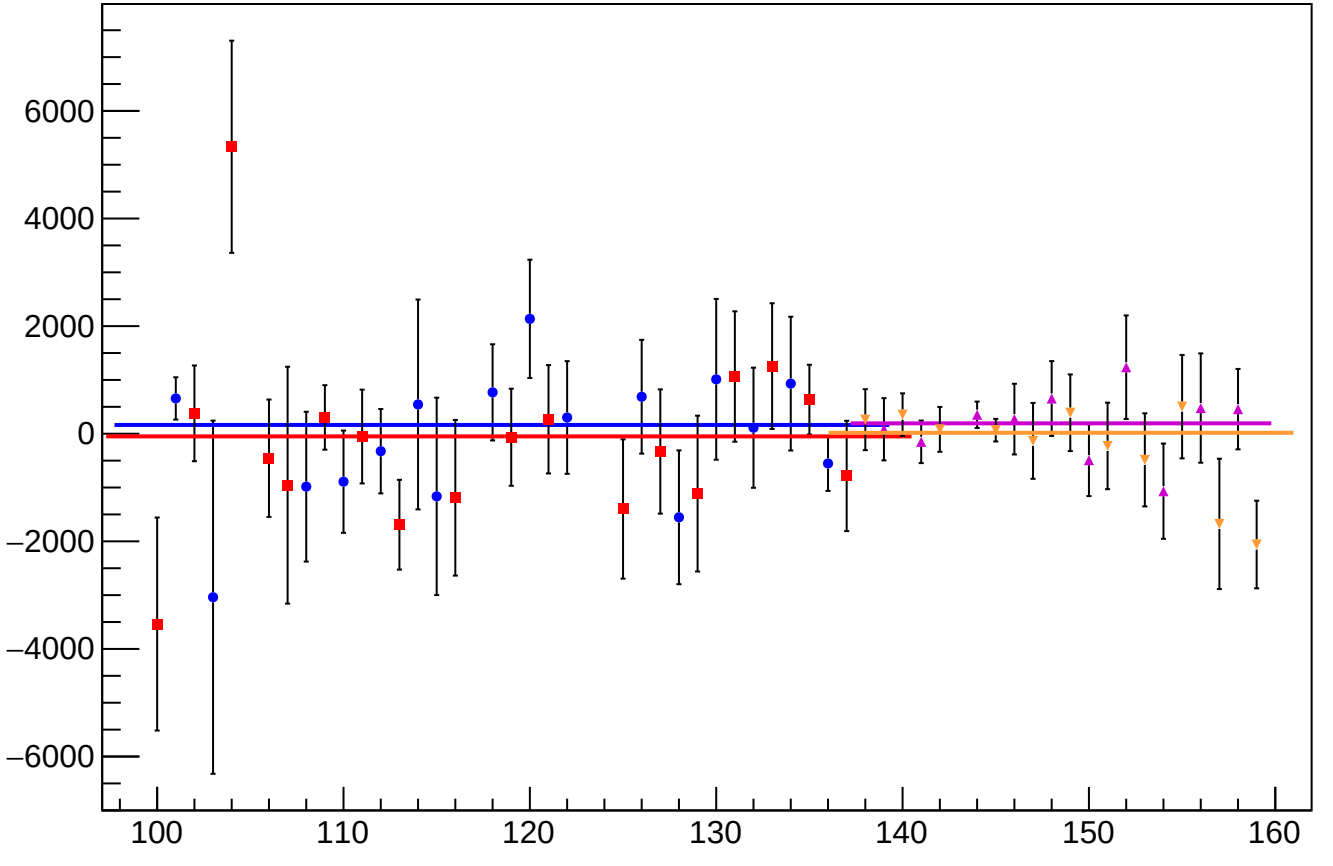
Out: 416.629+/-0.087 χ^2/NDF:7367651.6/28

All: 439.039+/-0.063 χ^2/NDF: 13343070.6/54


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -869.538+/-587.167 χ²/NDF:10.2/10
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -524.153+/-588.253 χ²/NDF:11.8/9
Left: -697.165+/-415.573 χ²/NDF: 22.2/20
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -204.938+/-452.900 χ²/NDF:31.9/25
Out: -466.078+/-453.440 χ²/NDF:29.4/28
All: -335.352+/-320.440 χ²/NDF: 61.4/54


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1735.199+/-0.415 χ²/NDF:666.6/10
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1737.516+/-0.416 χ²/NDF:1816.1/9
Left: 1736.355+/-0.294 χ²/NDF: 2498.3/20
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1789.502+/-0.320 χ²/NDF:712896.3/25
Out: 1800.789+/-0.321 χ²/NDF:320231.7/28
All: 1795.139+/-0.227 χ²/NDF: 1033748.4/54

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: 17.658+/-144.219 χ^2/NDF:10.5/10

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 192.997+/-162.688 χ^2/NDF:6.1/9

Left: 94.814+/-107.920 χ^2/NDF: 17.2/20

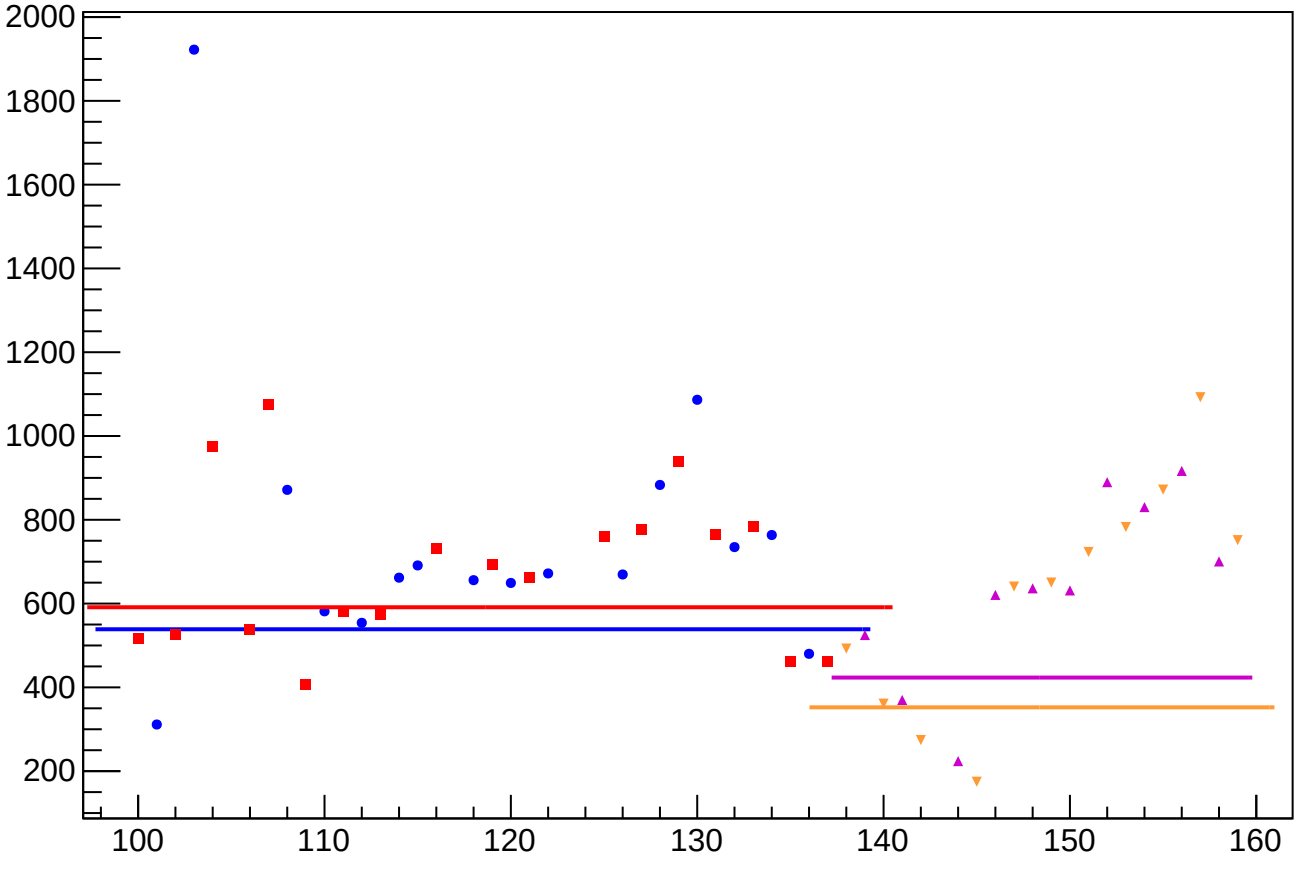
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 182.447+/-130.812 χ^2/NDF:20.0/25

Out: -0.389+/-123.369 χ^2/NDF:31.9/28

All: 85.679+/-89.751 χ^2/NDF: 53.0/54

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: 352.345+/-0.102 χ^2/NDF:5042108.6/10

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 423.392+/-0.115 χ^2/NDF:3623381.4/9

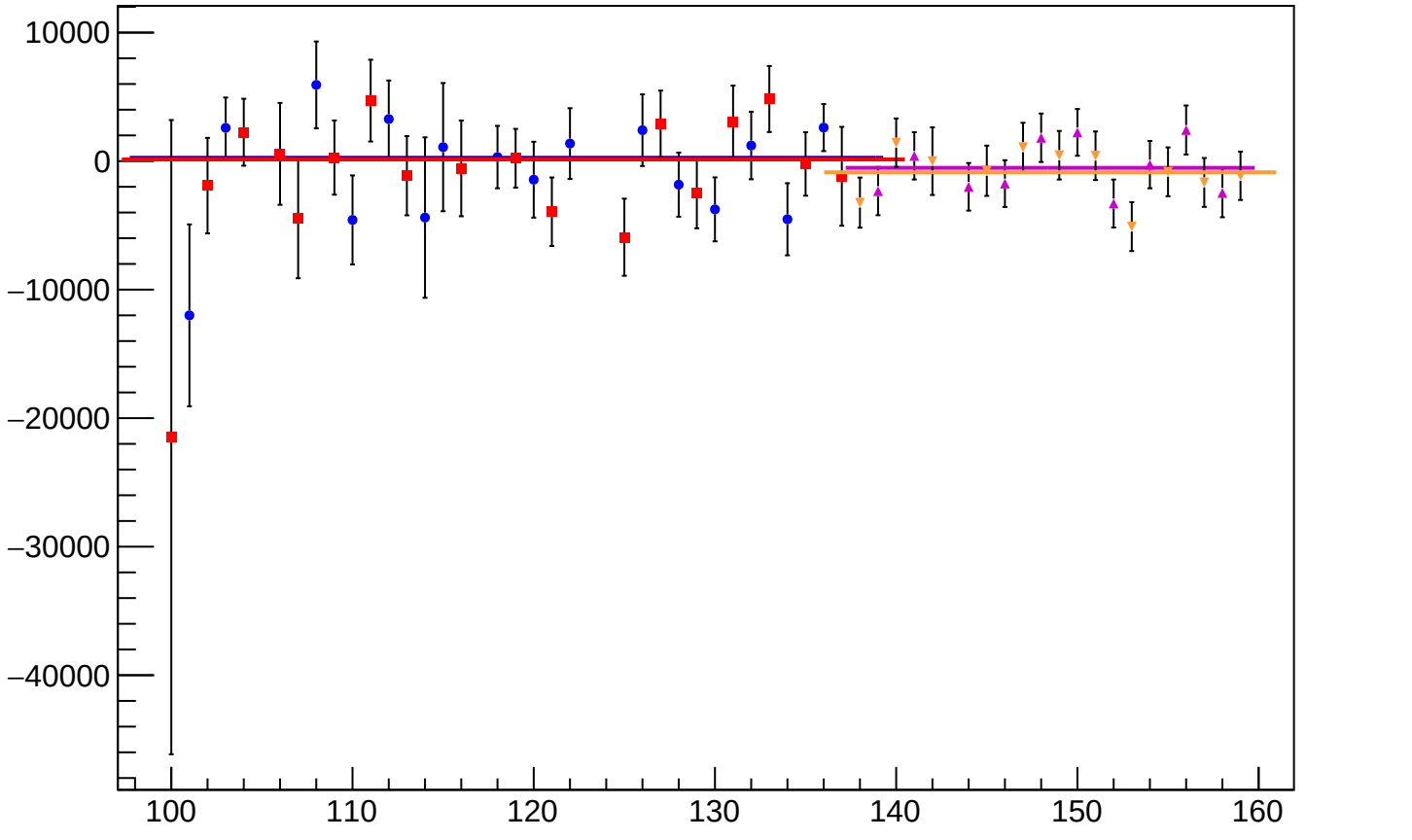
Left: 383.608+/-0.076 χ^2/NDF: 8879072.1/20

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 464.151+/-0.092 χ^2/NDF:5837431.9/25

Out: 416.428+/-0.087 χ^2/NDF:7358749.9/28

All: 438.893+/-0.063 χ^2/NDF: 13337064.7/54



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -869.538+/-587.167 χ^2/NDF:10.2/10

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -524.153+/-588.253 χ^2/NDF:11.8/9

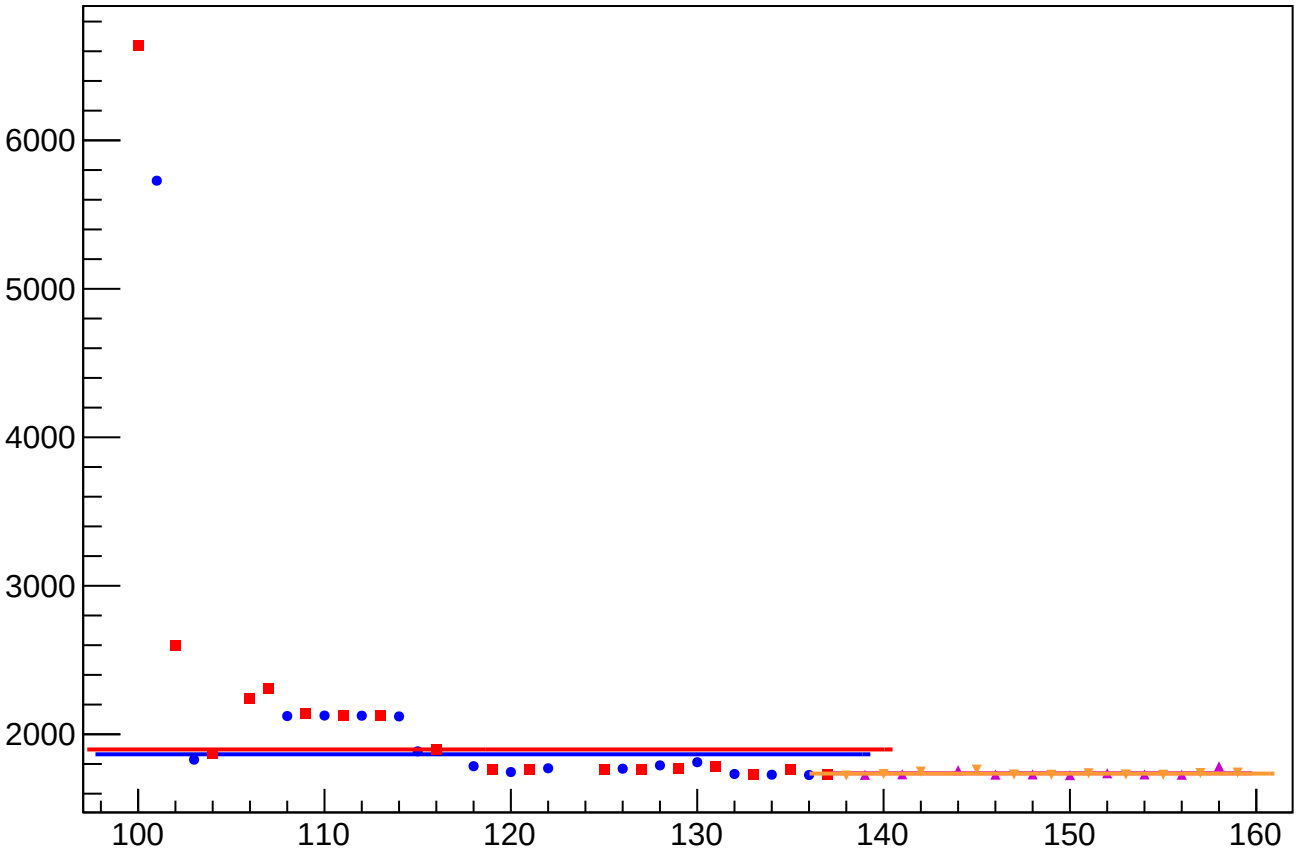
Left: -697.165+/-415.573 χ^2/NDF: 22.2/20

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -204.938+/-452.900 χ^2/NDF:31.9/25

Out: -466.078+/-453.440 χ^2/NDF:29.4/28

All: -335.352+/-320.440 χ^2/NDF: 61.4/54



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.199+/-0.415 χ^2/NDF:666.6/10

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

Left: 1736.355+/-0.294 χ^2/NDF: 2498.3/20

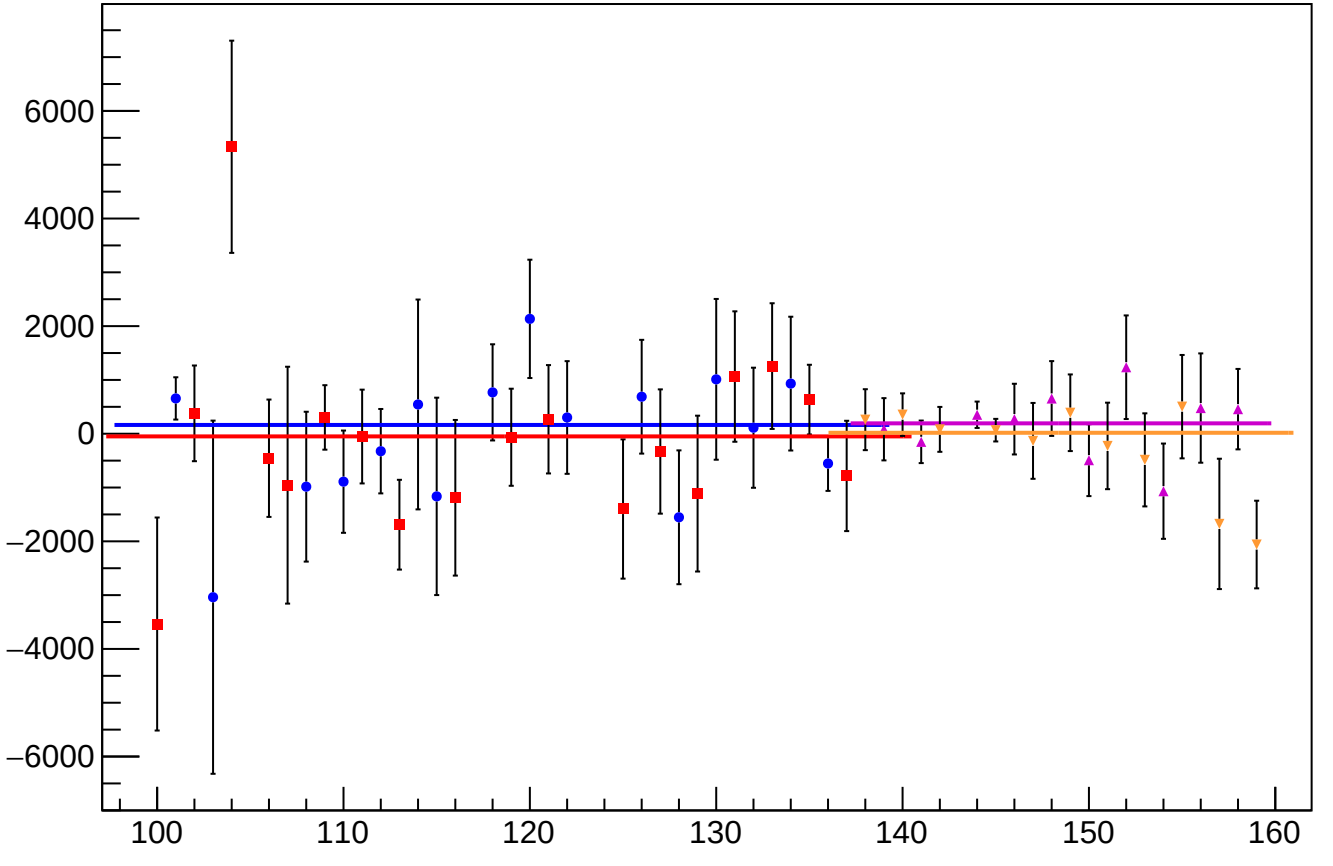
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1789.502+/-0.320 χ^2/NDF:712896.3/25

Out: 1800.789+/-0.321 χ^2/NDF:320231.7/28

All: 1795.139+/-0.227 χ^2/NDF: 1033748.4/54

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 17.658+/-144.219 χ^2/NDF:10.5/10

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 192.997+/-162.688 χ^2/NDF:6.1/9

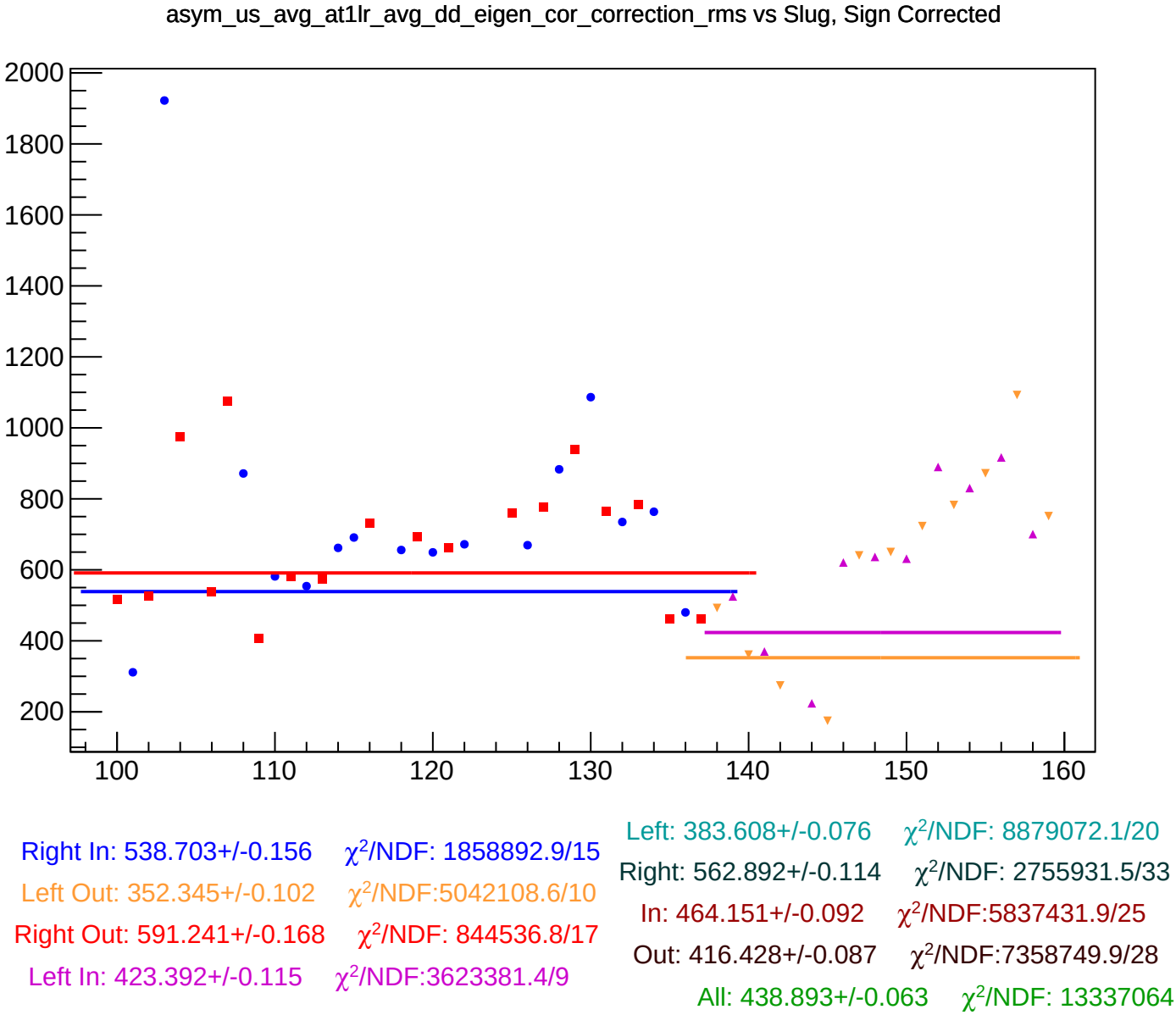
Left: 94.814+/-107.920 χ^2/NDF: 17.2/20

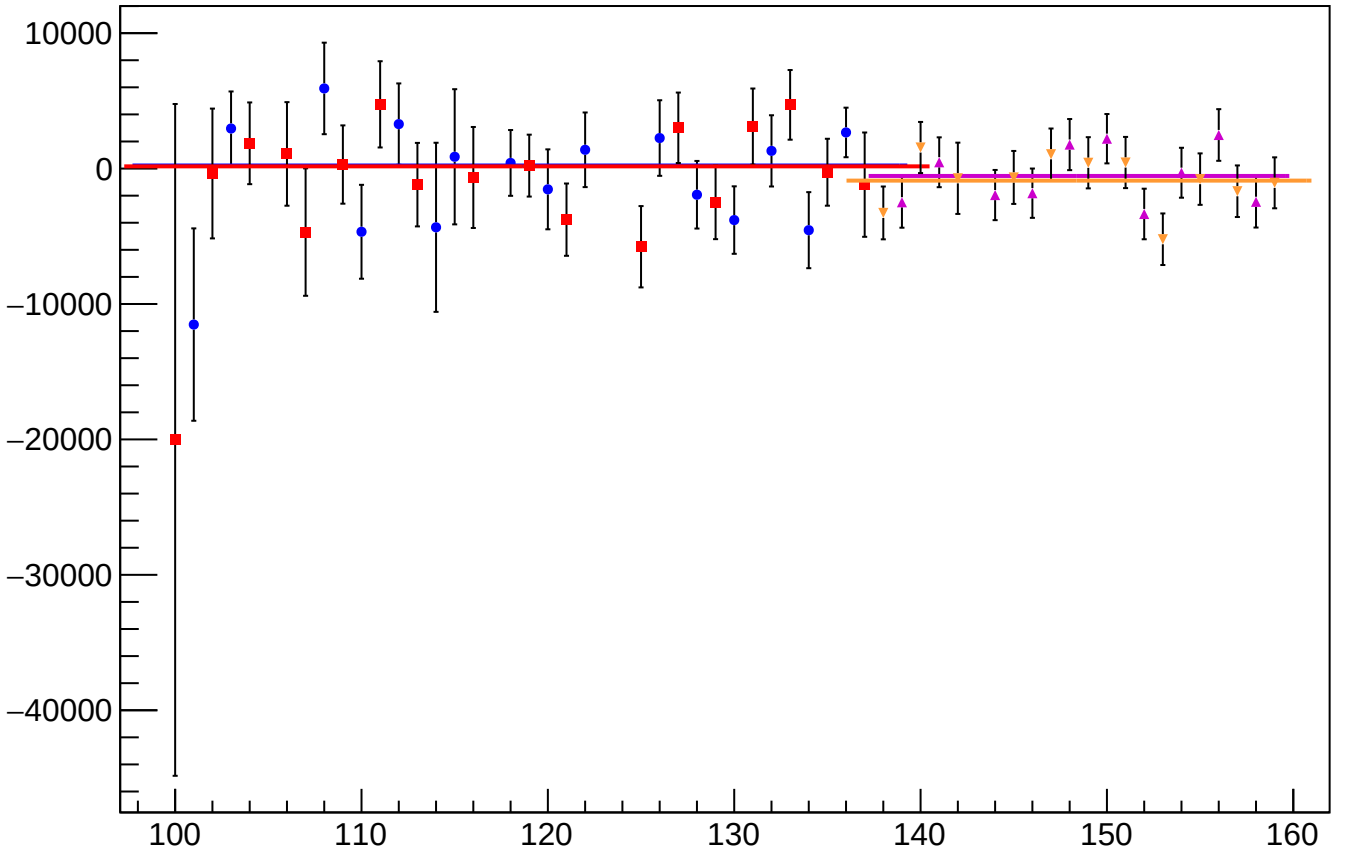
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 182.447+/-130.812 χ^2/NDF:20.0/25

Out: -0.389+/-123.369 χ^2/NDF:31.9/28

All: 85.679+/-89.751 χ^2/NDF: 53.0/54


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 538.703+/-0.156 χ²/NDF: 1858892.9/15
Left Out: 352.345+/-0.102 χ²/NDF:5042108.6/10
Right Out: 591.241+/-0.168 χ²/NDF: 844536.8/17
Left In: 423.392+/-0.115 χ²/NDF:3623381.4/9
Left: 383.608+/-0.076 χ²/NDF: 8879072.1/20
Right: 562.892+/-0.114 χ²/NDF: 2755931.5/33
In: 464.151+/-0.092 χ²/NDF:5837431.9/25
Out: 416.428+/-0.087 χ²/NDF:7358749.9/28
All: 438.893+/-0.063 χ²/NDF: 13337064.7/54



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -888.905+/-587.563 χ^2/NDF:10.6/10

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -544.945+/-588.622 χ^2/NDF:12.0/9

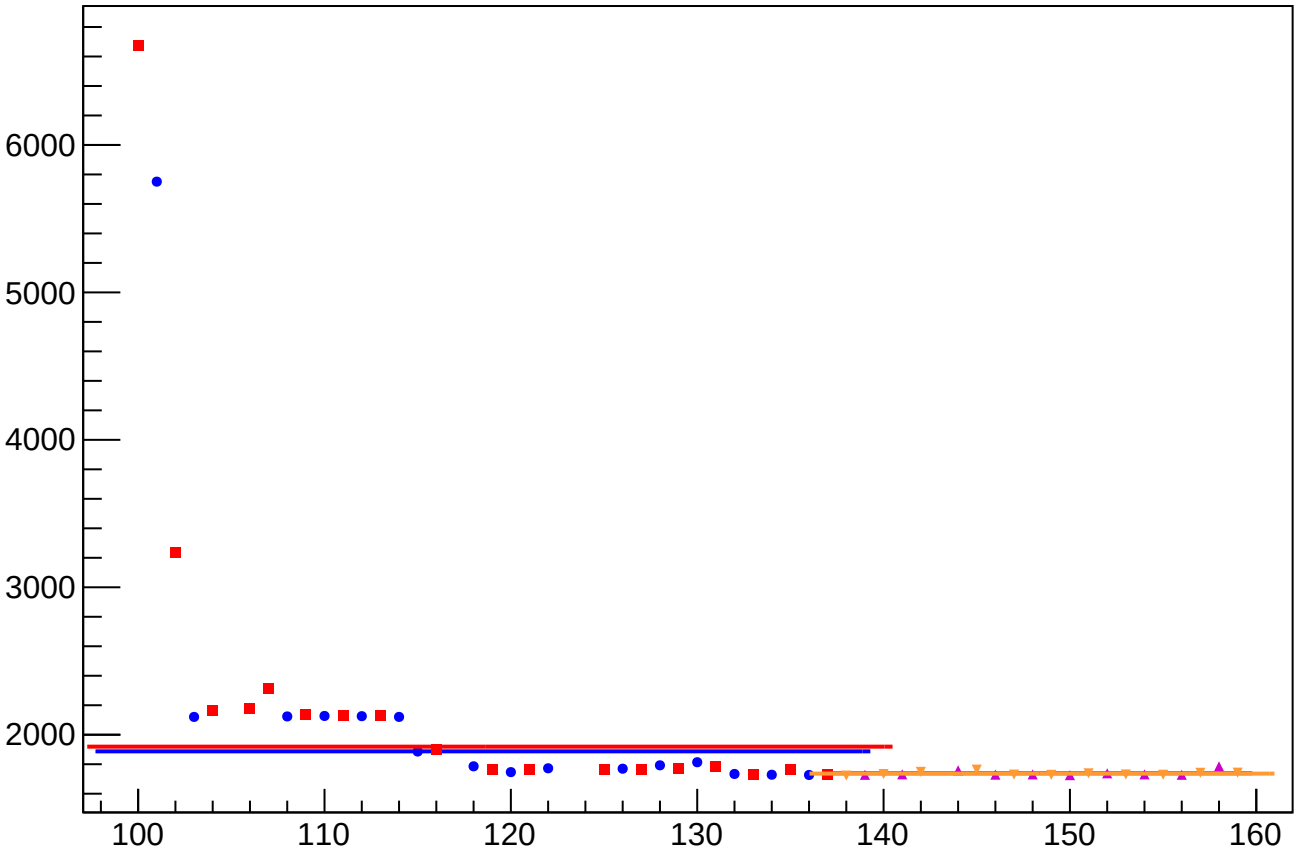
Left: -717.234+/-415.844 χ^2/NDF: 22.8/20

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -235.264+/-455.347 χ^2/NDF:32.1/25

Out: -472.174+/-456.677 χ^2/NDF:28.9/28

All: -353.374+/-322.448 χ^2/NDF: 61.1/54



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1736.367+/-0.415 χ^2/NDF:671.8/10

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

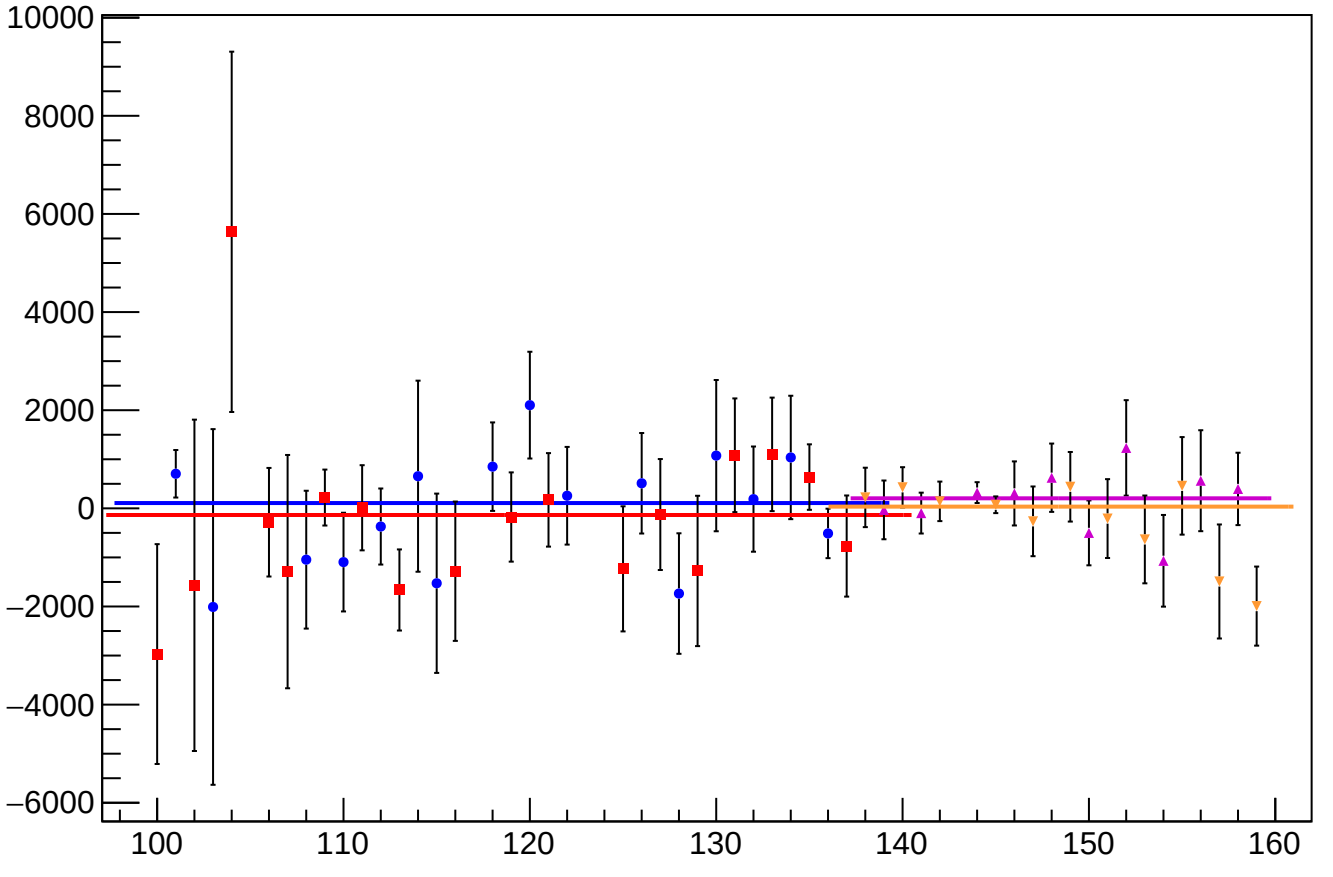
Left: 1737.482+/-0.294 χ^2/NDF: 2501.1/20

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1798.318+/-0.322 χ^2/NDF:742519.5/25

Out: 1808.737+/-0.323 χ^2/NDF:429877.2/28

All: 1803.512+/-0.228 χ^2/NDF: 1172918.7/54



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 35.107+/-129.780 χ^2/NDF:10.5/10

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 204.449+/-153.511 χ^2/NDF:5.7/9

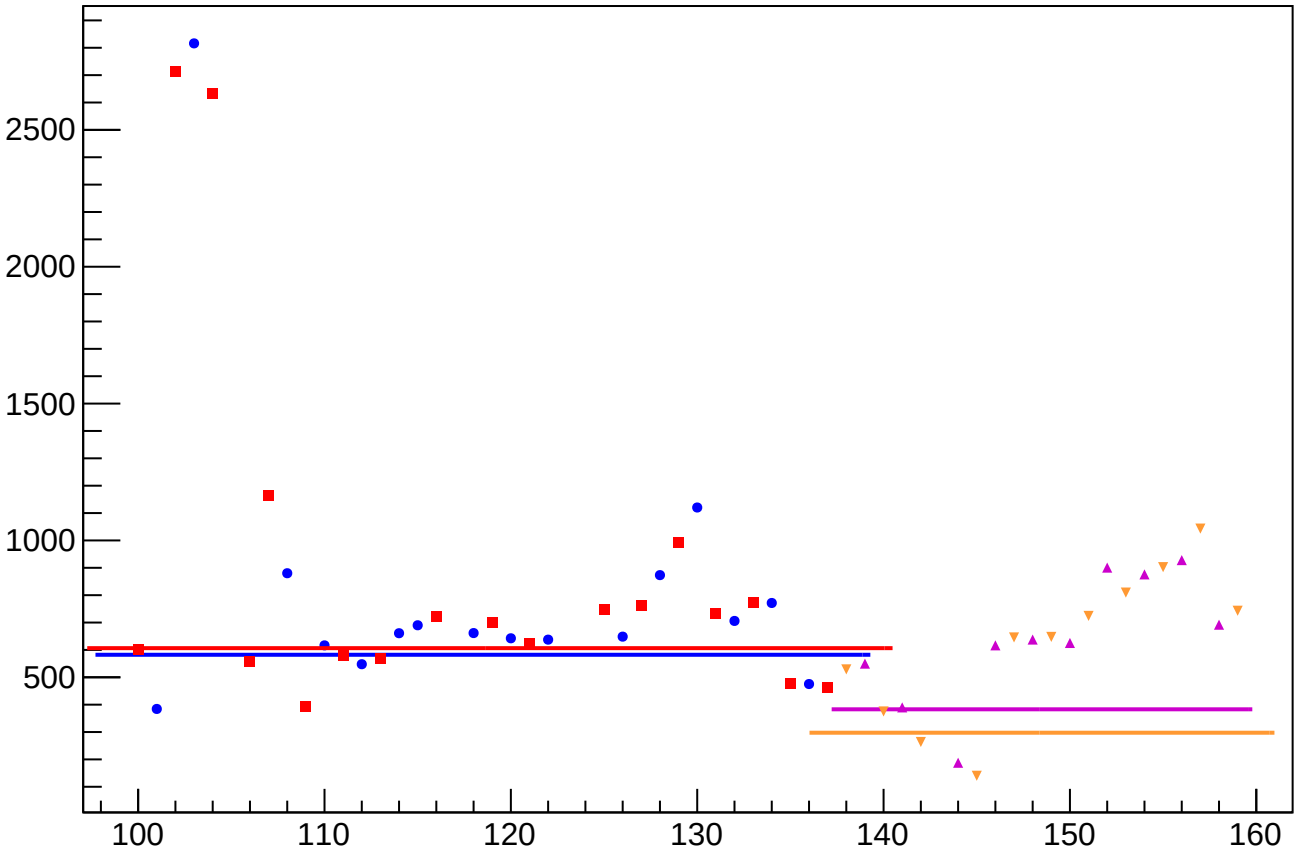
Left: 105.691+/-99.108 χ^2/NDF: 16.9/20

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 175.069+/-127.974 χ^2/NDF:19.9/25

Out: -2.023+/-114.779 χ^2/NDF:25.3/28

All: 76.925+/-85.446 χ^2/NDF: 46.3/54



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 297.486+/-0.092 χ^2/NDF:6446891.5/10

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 383.008+/-0.109 χ^2/NDF:4677014.2/9

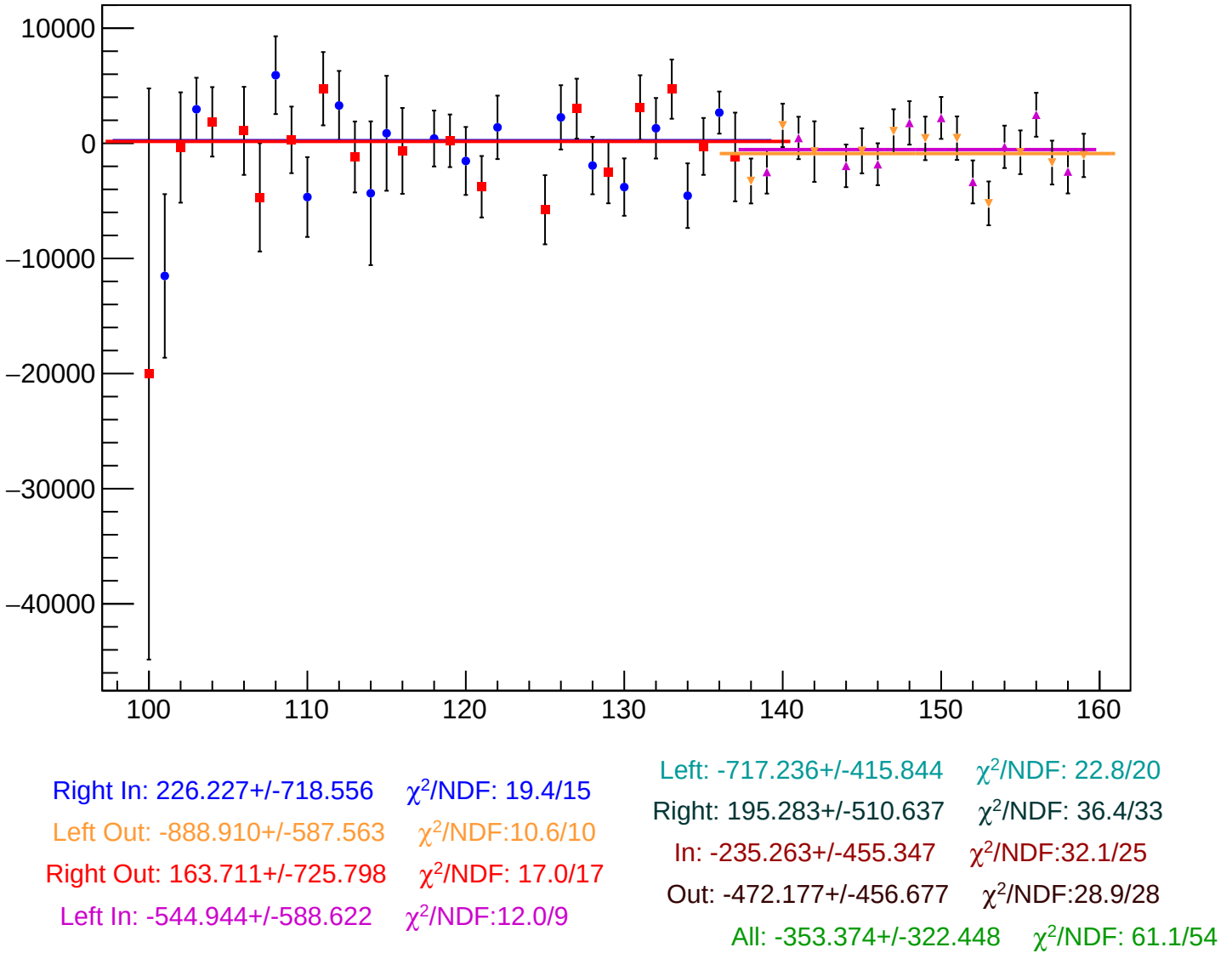
Left: 333.133+/-0.070 χ^2/NDF: 11485912.9/20

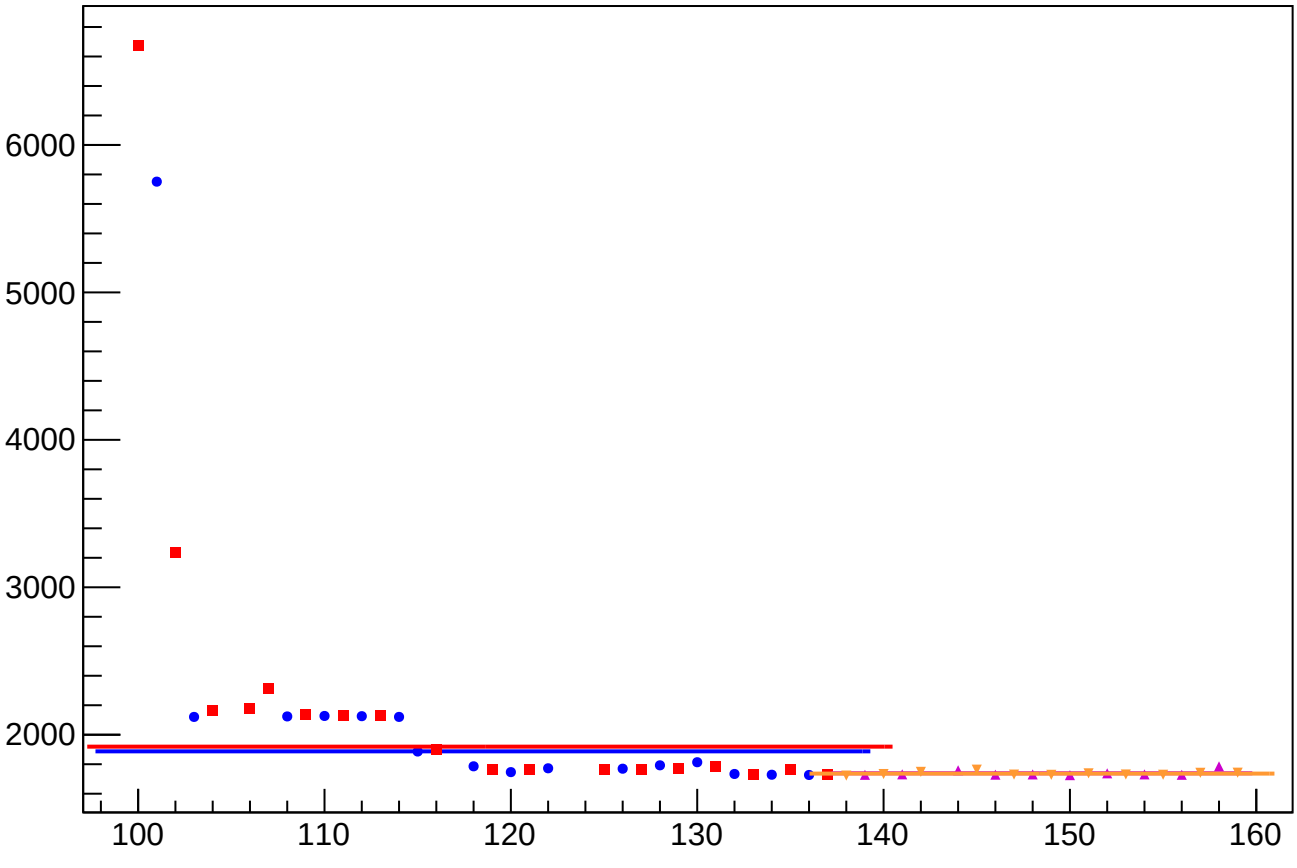
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 443.790+/-0.090 χ^2/NDF:7459211.8/25

Out: 364.783+/-0.081 χ^2/NDF:11114300.7/28

All: 400.005+/-0.060 χ^2/NDF: 18995968.5/54


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -888.910+/-587.563 χ²/NDF:10.6/10
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -544.944+/-588.622 χ²/NDF:12.0/9
Left: -717.236+/-415.844 χ²/NDF: 22.8/20
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -235.263+/-455.347 χ²/NDF:32.1/25
Out: -472.177+/-456.677 χ²/NDF:28.9/28
All: -353.374+/-322.448 χ²/NDF: 61.1/54



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1736.367+/-0.415 χ^2/NDF:671.8/10

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

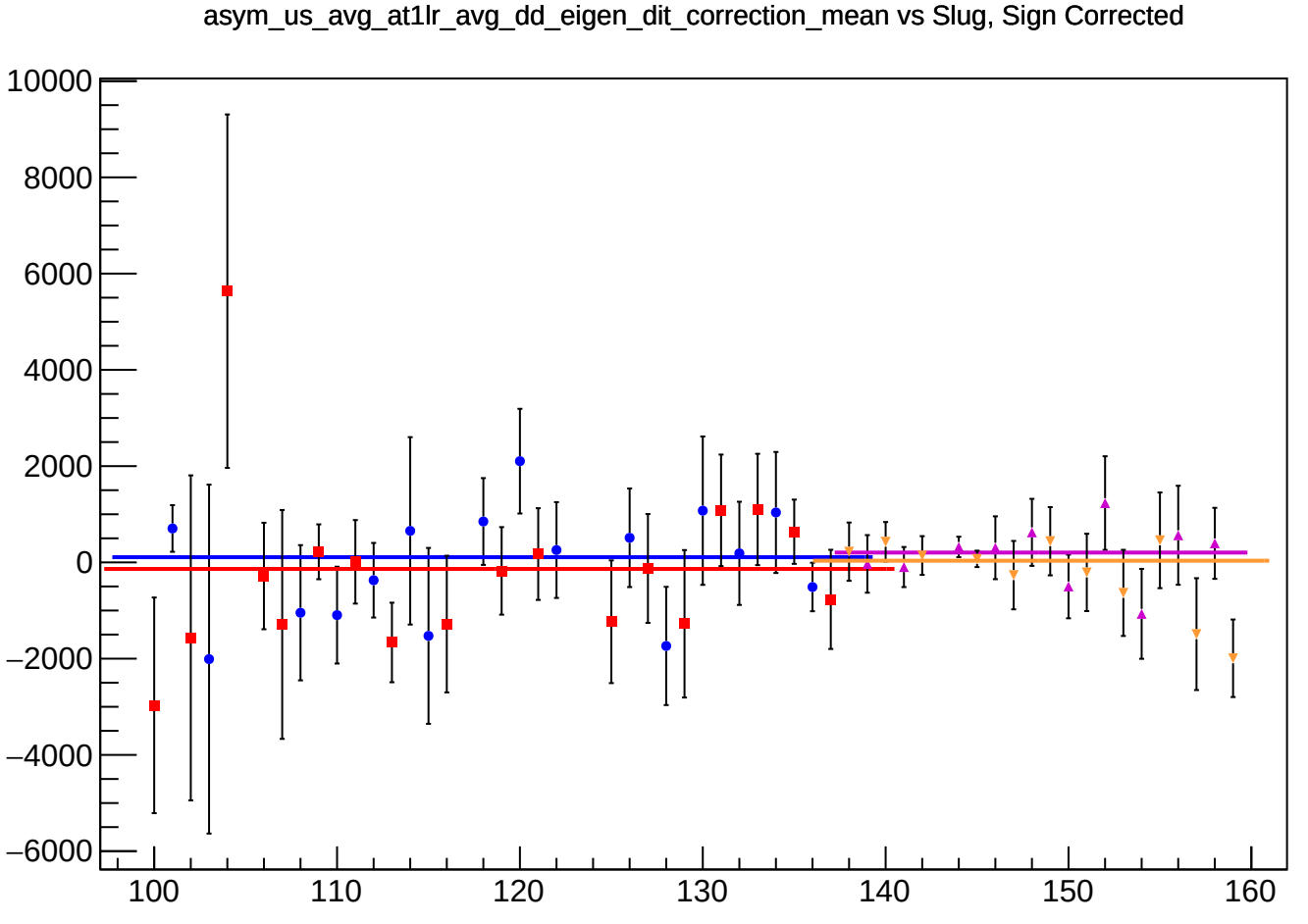
Left: 1737.482+/-0.294 χ^2/NDF: 2501.1/20

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1798.318+/-0.322 χ^2/NDF:742519.1/25

Out: 1808.737+/-0.323 χ^2/NDF:429876.4/28

All: 1803.512+/-0.228 χ^2/NDF: 1172917.5/54



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.105+/-129.780 χ^2/NDF:10.5/10

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 204.449+/-153.511 χ^2/NDF:5.7/9

Left: 105.690+/-99.108 χ^2/NDF: 16.9/20

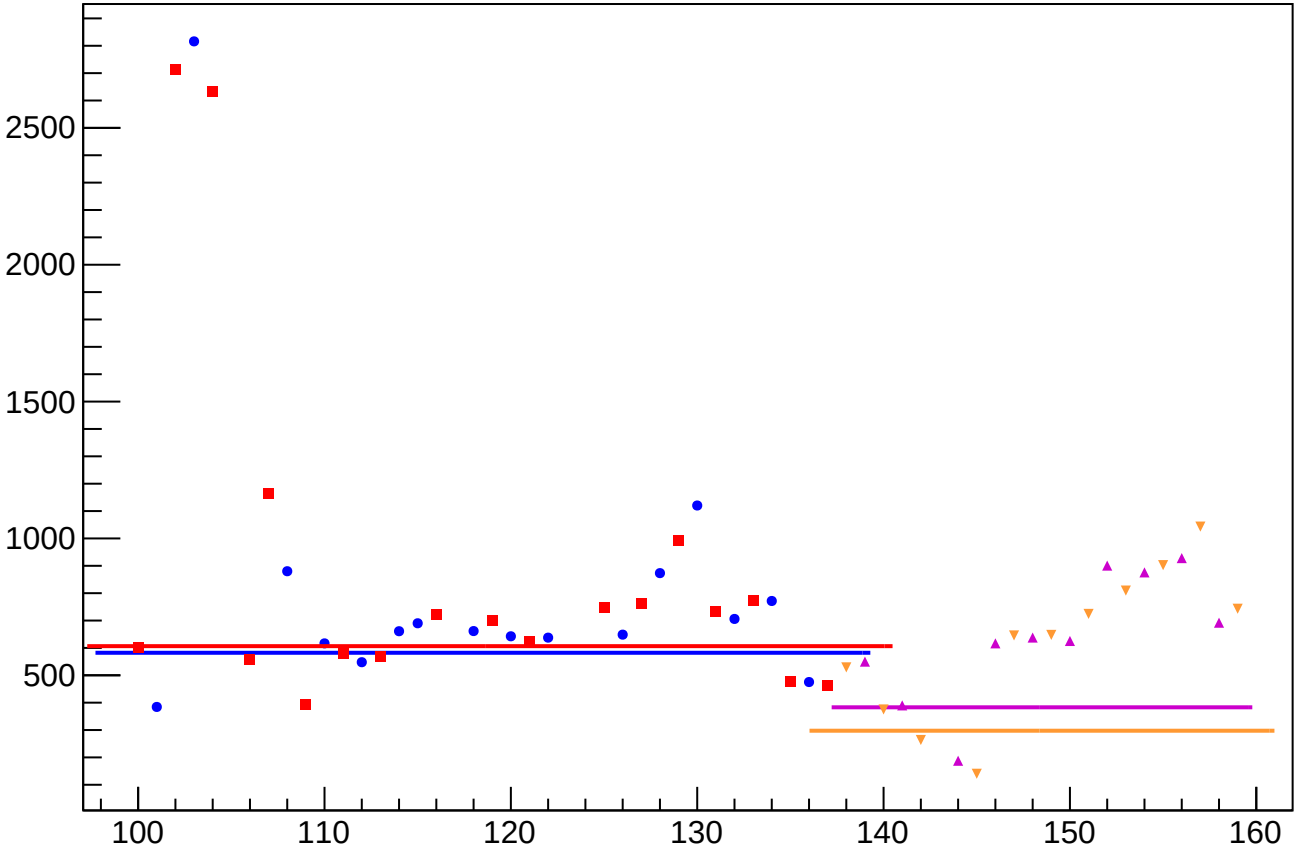
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 175.068+/-127.974 χ^2/NDF:19.9/25

Out: -2.024+/-114.779 χ^2/NDF:25.3/28

All: 76.924+/-85.446 χ^2/NDF: 46.3/54

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: 297.486+/-0.092 χ^2/NDF:6446920.5/10

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 383.009+/-0.109 χ^2/NDF:4677031.6/9

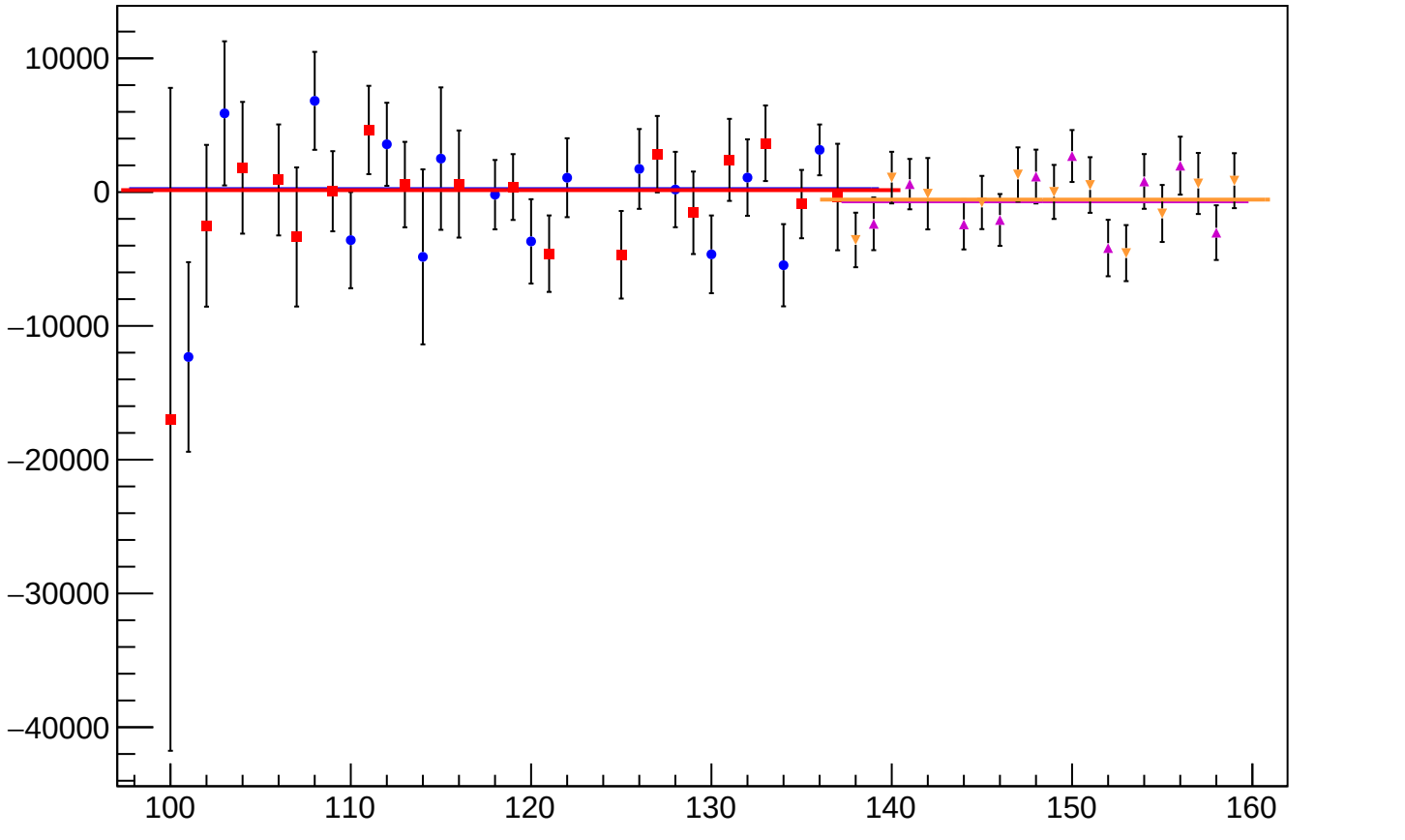
Left: 333.133+/-0.070 χ^2/NDF: 11485962.7/20

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 443.790+/-0.090 χ^2/NDF:7459198.4/25

Out: 364.783+/-0.081 χ^2/NDF:11114306.9/28

All: 400.005+/-0.060 χ^2/NDF: 18995966.1/54



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -559.571+/-632.645 χ^2/NDF:8.8/10

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -686.841+/-630.089 χ^2/NDF:12.5/9

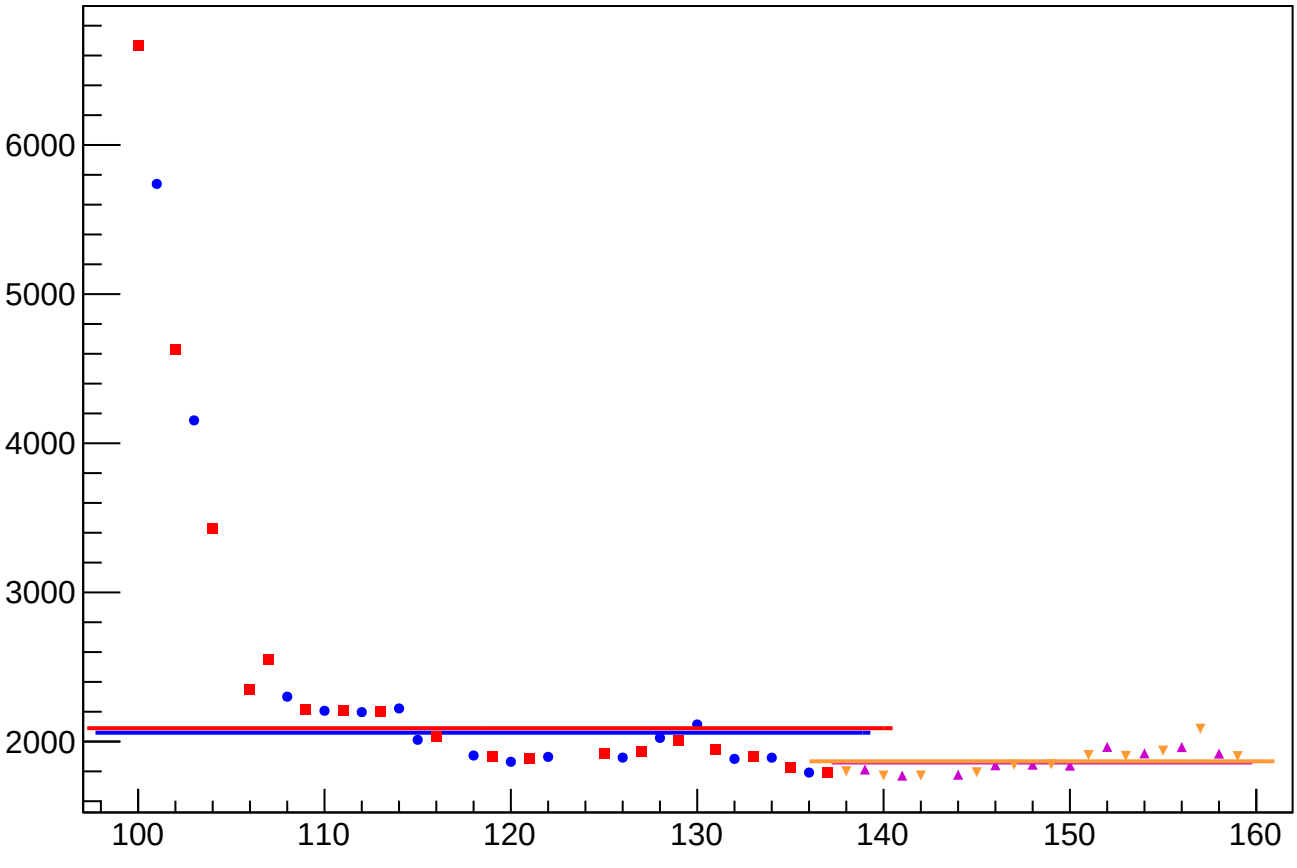
Left: -623.463+/-446.441 χ^2/NDF: 21.4/20

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -333.418+/-493.003 χ^2/NDF:34.5/25

Out: -284.888+/-494.832 χ^2/NDF:20.9/28

All: -309.243+/-349.251 χ^2/NDF: 55.4/54



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1867.445+/-0.447 χ^2/NDF:35334.5/10

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1859.830+/-0.446 χ^2/NDF:22804.4/9

Left: 1863.622+/-0.316 χ^2/NDF: 58284.4/20

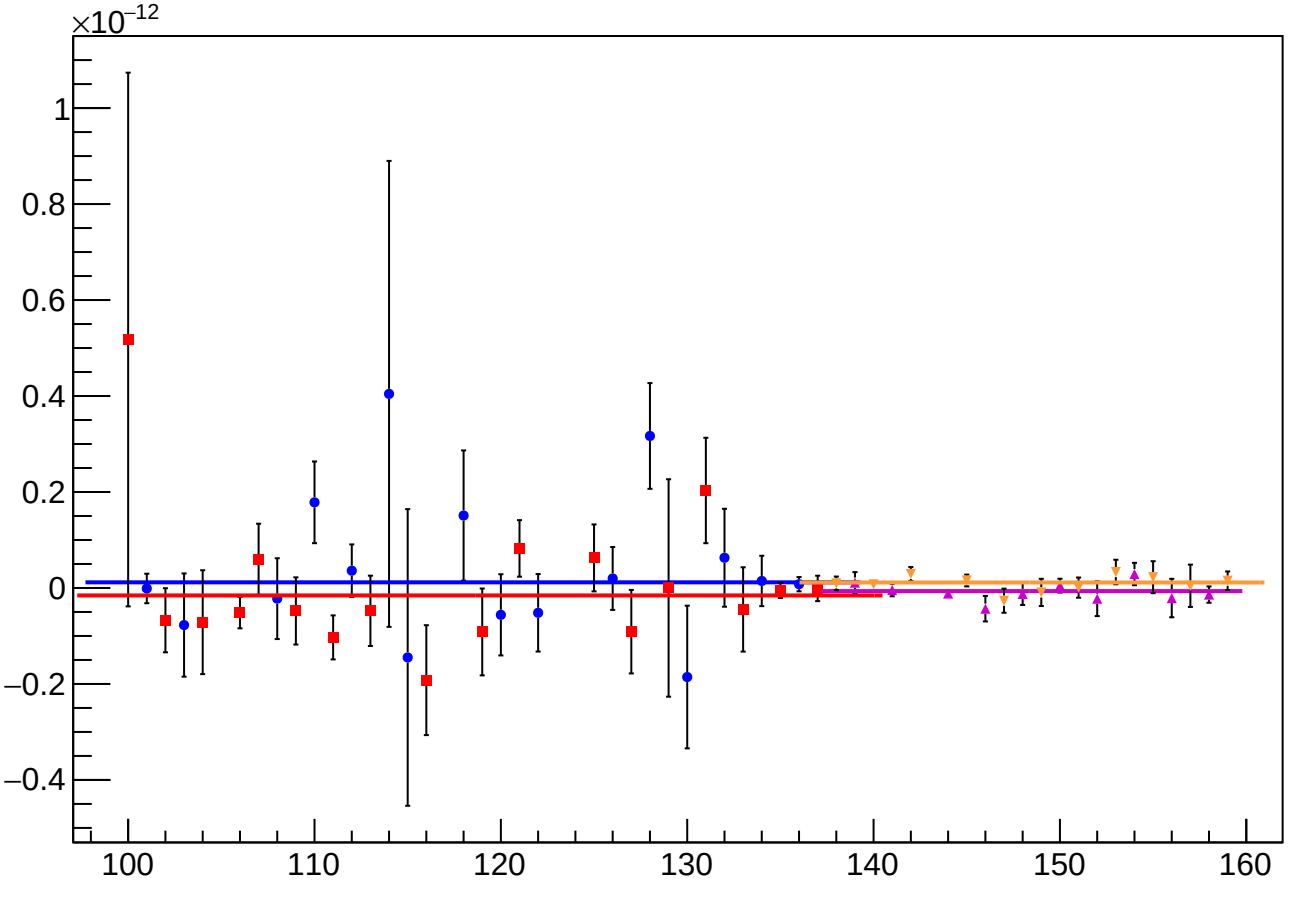
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1937.259+/-0.349 χ^2/NDF:1040560.6/25

Out: 1953.642+/-0.350 χ^2/NDF:812435.9/28

All: 1945.420+/-0.247 χ^2/NDF: 1854096.7/54

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

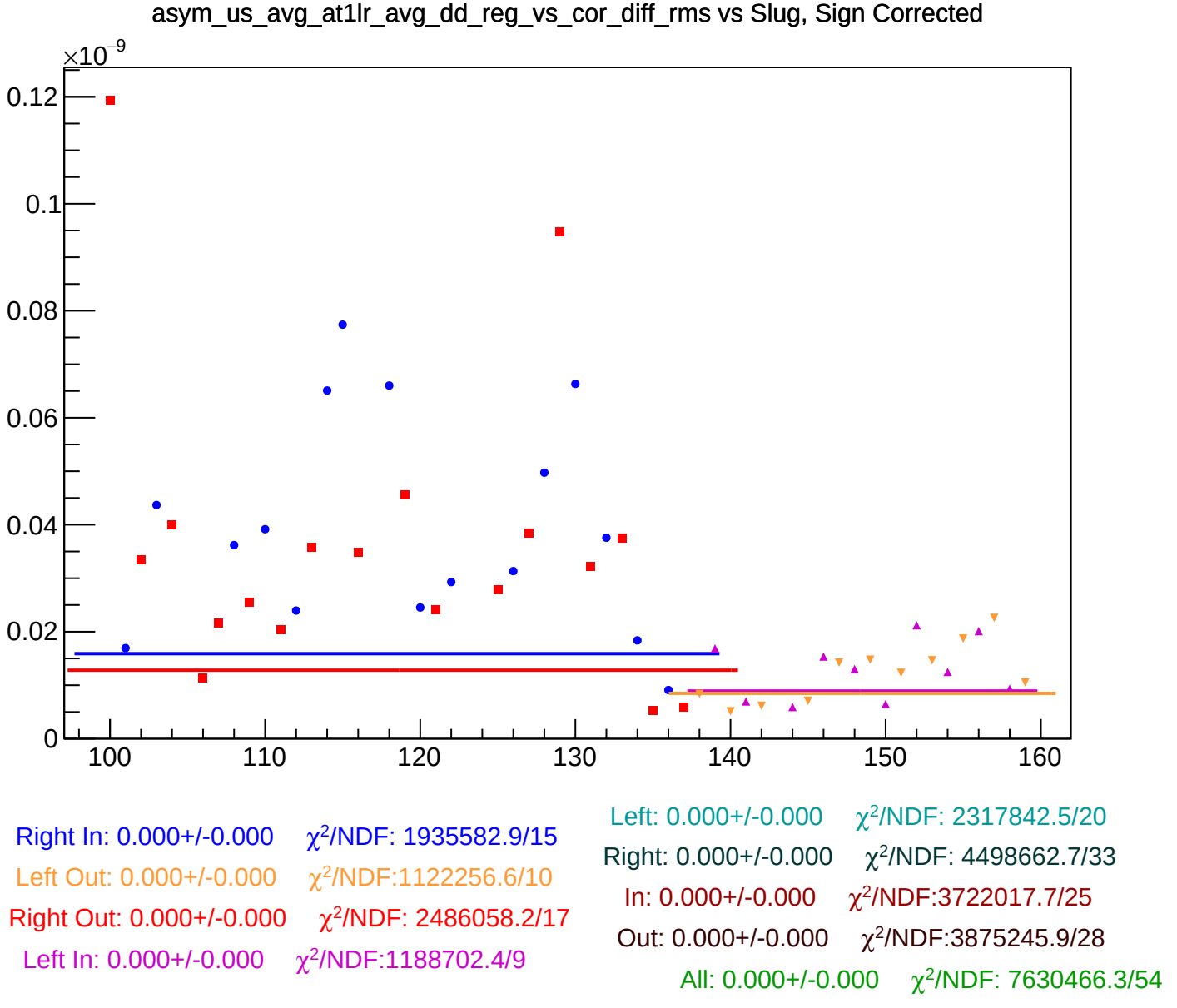
Left: 0.000+/-0.000 χ^2/NDF: 18.0/20

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

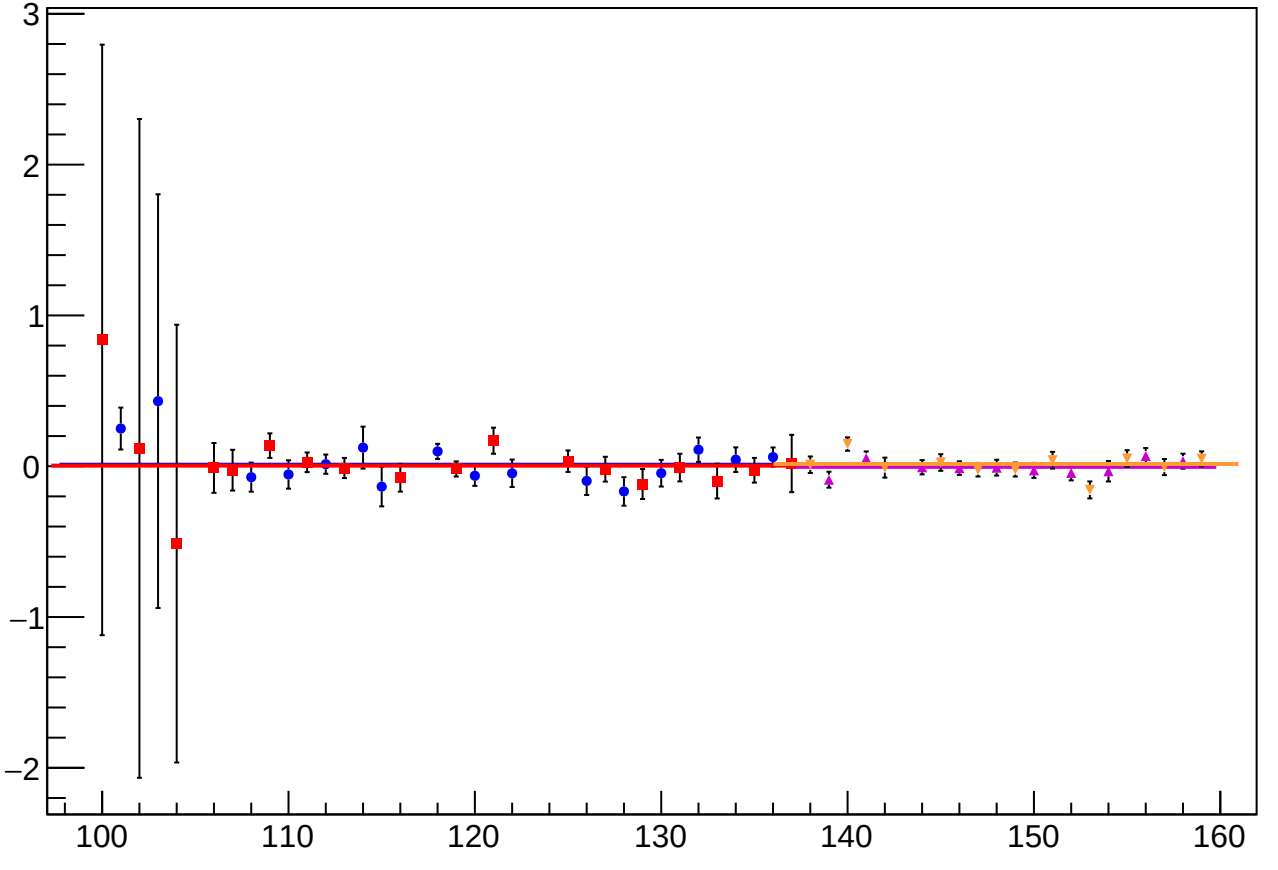
In: -0.000+/-0.000 χ^2/NDF:26.5/25

Out: 0.000+/-0.000 χ^2/NDF:31.7/28

All: 0.000+/-0.000 χ^2/NDF: 60.2/54


asym_us_avg_at1lr_avg_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1122256.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:1188702.4/9
Left: 0.000+/-0.000 χ²/NDF: 2317842.5/20
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:3722017.7/25
Out: 0.000+/-0.000 χ²/NDF:3875245.9/28
All: 0.000+/-0.000 χ²/NDF: 7630466.3/54

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: 0.015+/-0.016 χ^2/NDF:20.9/10

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.005+/-0.011 χ^2/NDF: 29.4/20

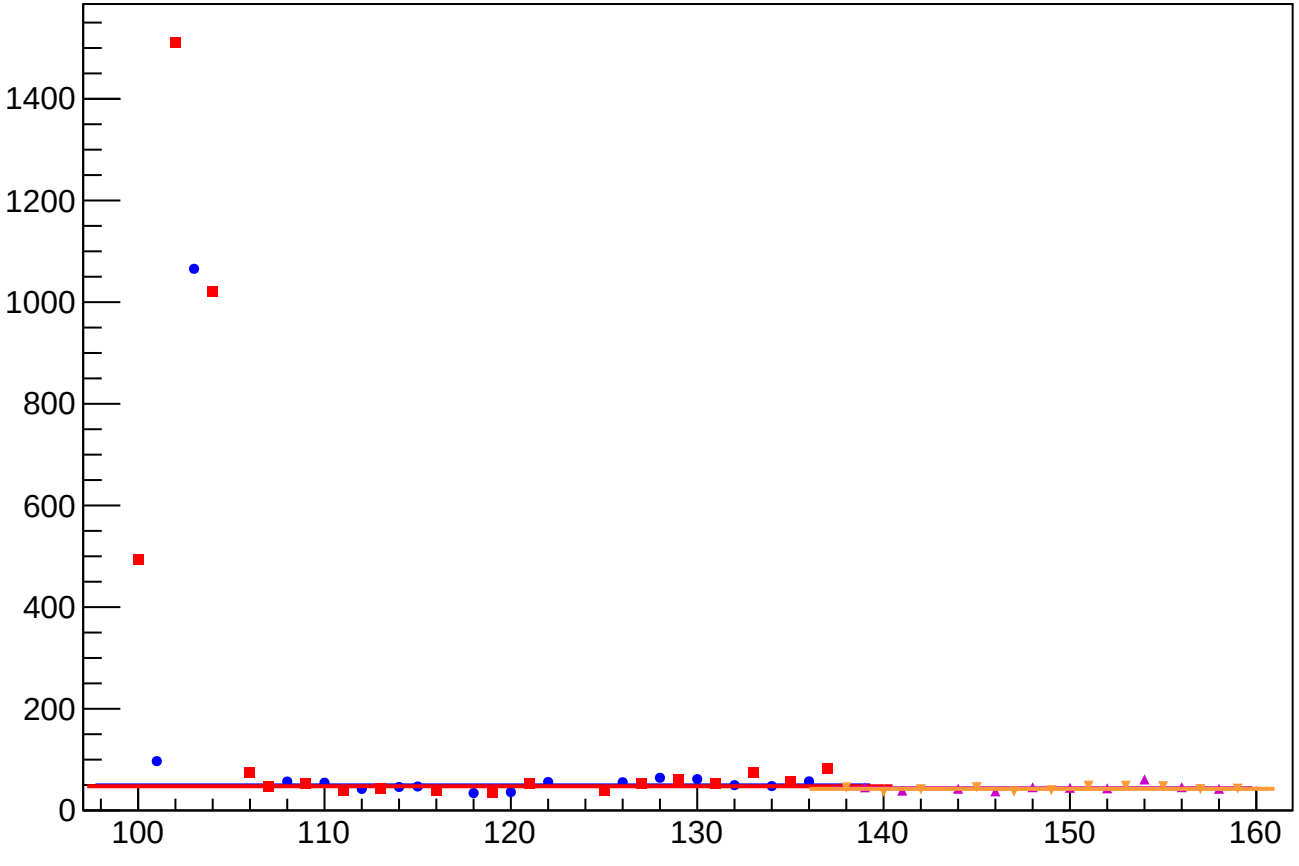
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.006+/-0.009 χ^2/NDF: 58.4/54

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: 42.551+/-0.011 χ^2/NDF:151412.0/10

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

Left: 43.146+/-0.008 χ^2/NDF: 357154.0/20

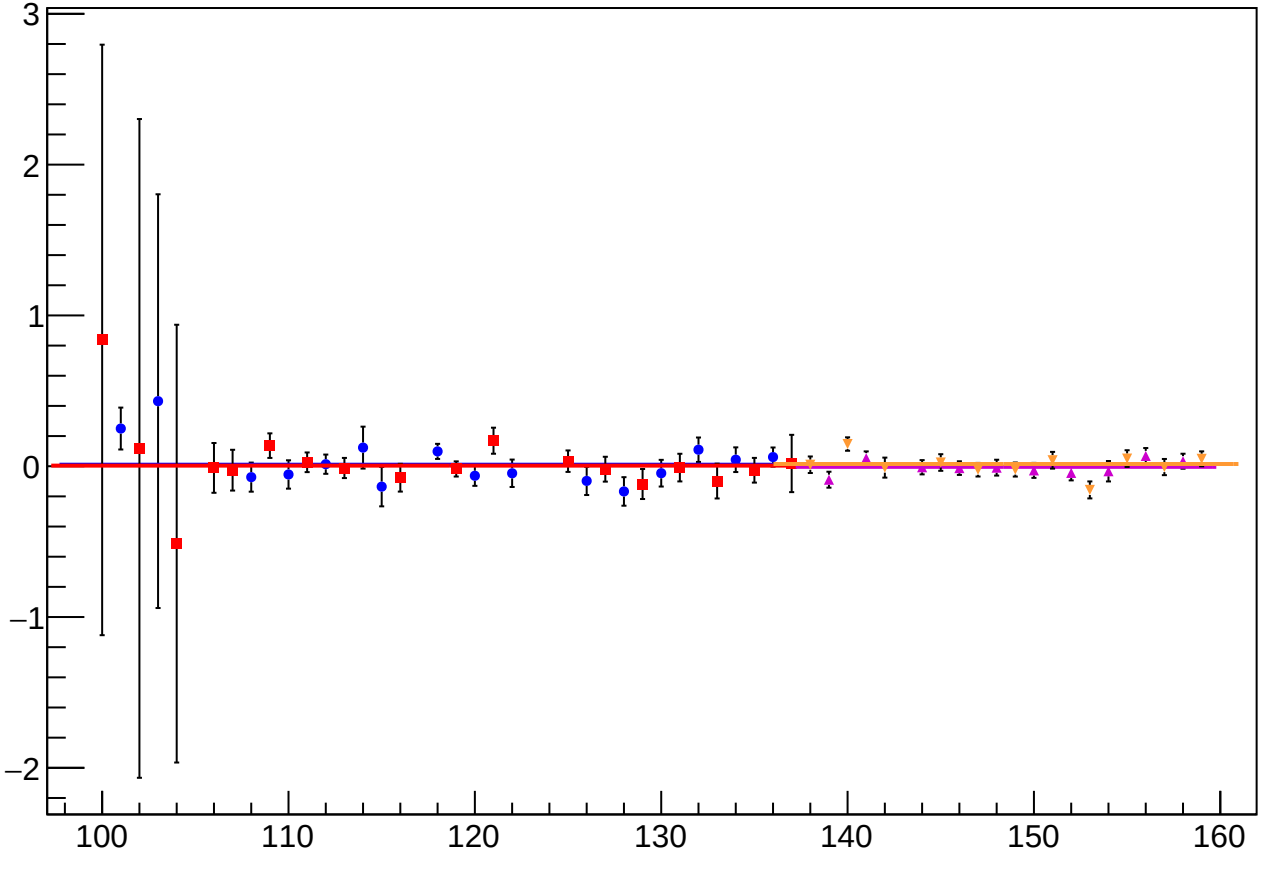
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.801+/-0.009 χ^2/NDF:2066529.8/25

Out: 44.306+/-0.009 χ^2/NDF:2641628.7/28

All: 45.053+/-0.006 χ^2/NDF: 4722064.5/54

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: 0.015+/-0.016 χ^2/NDF:20.9/10

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.005+/-0.011 χ^2/NDF: 29.4/20

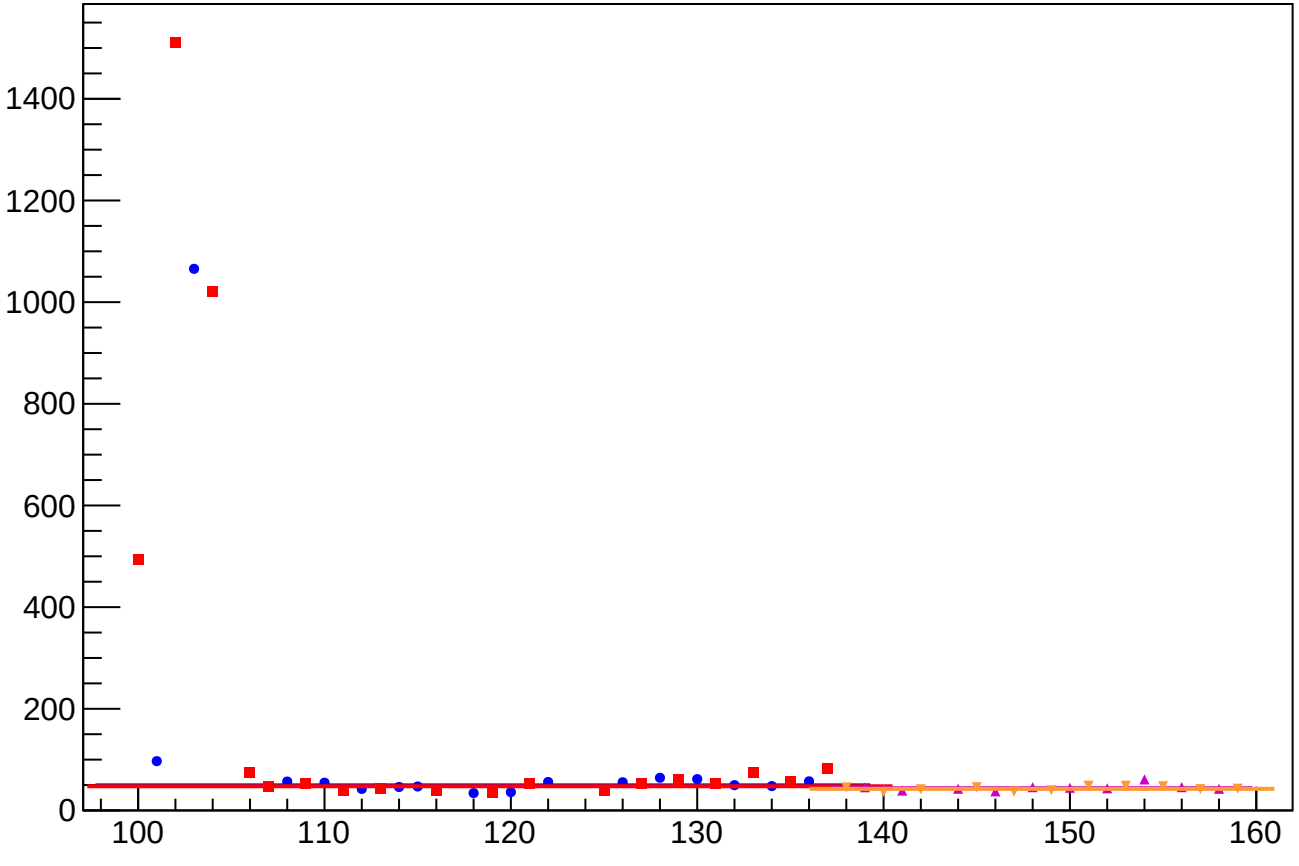
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.006+/-0.009 χ^2/NDF: 58.4/54

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: 42.551+/-0.011 χ^2/NDF:151412.0/10

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

Left: 43.146+/-0.008 χ^2/NDF: 357154.0/20

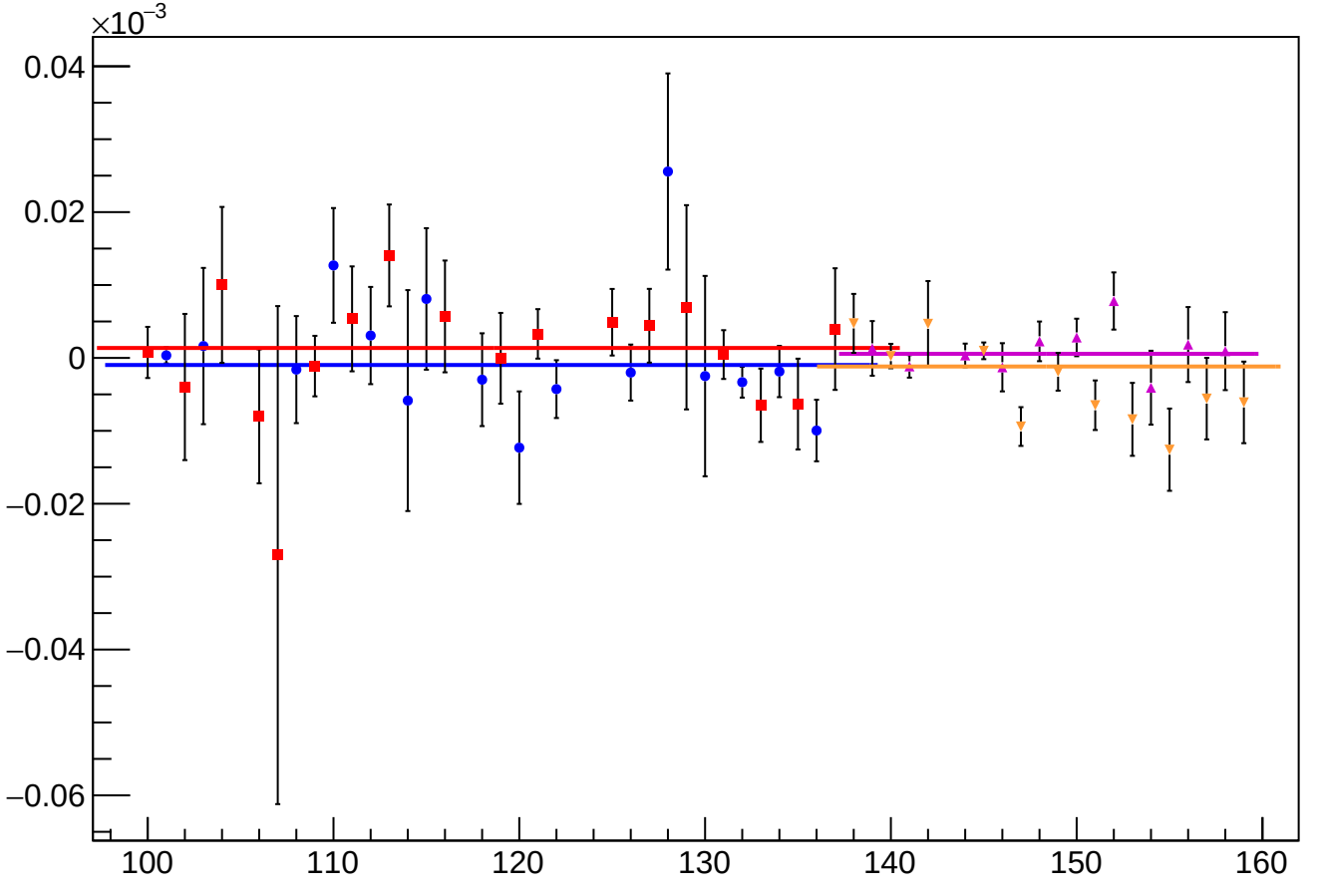
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.801+/-0.009 χ^2/NDF:2066529.8/25

Out: 44.306+/-0.009 χ^2/NDF:2641628.7/28

All: 45.053+/-0.006 χ^2/NDF: 4722064.5/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/9

Left: -0.000+/-0.000 χ^2/NDF: 36.5/20

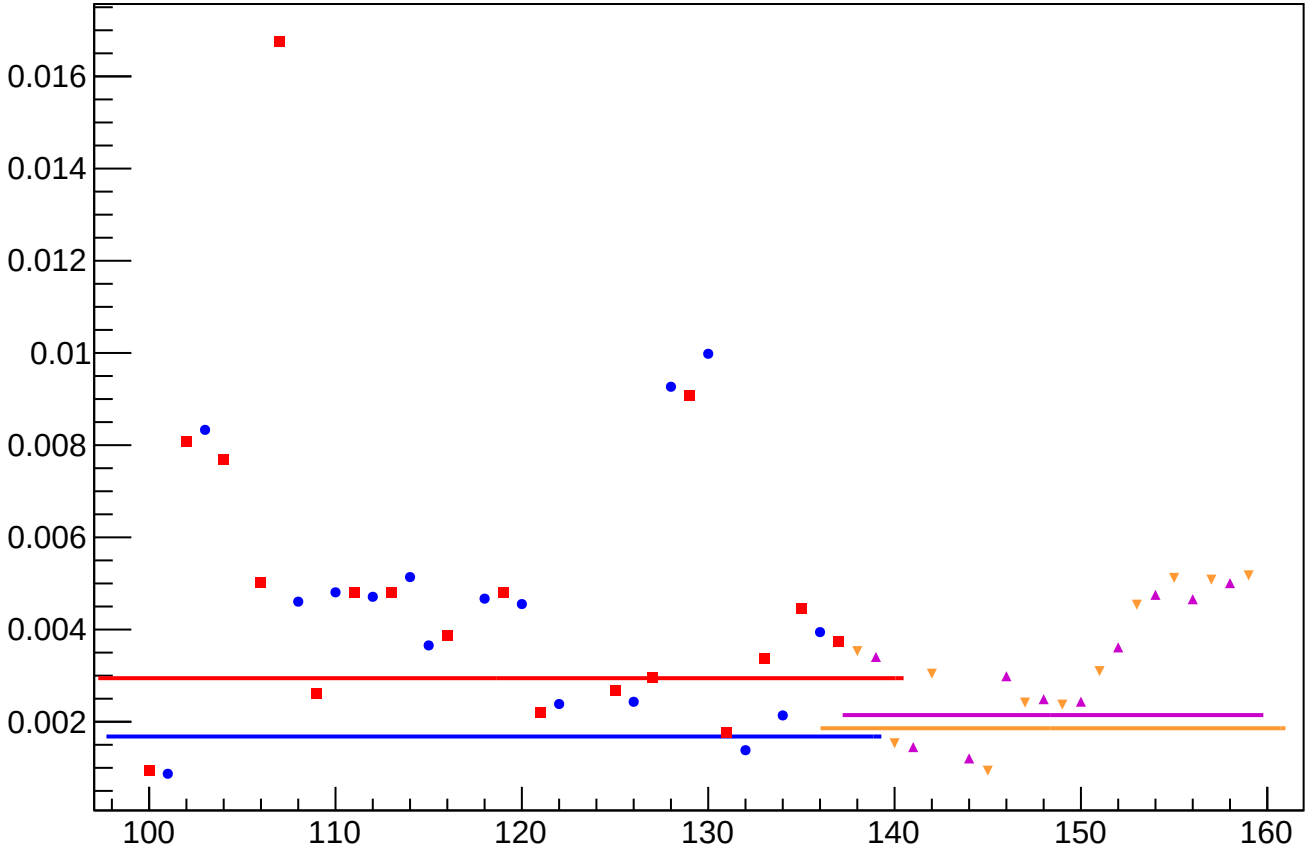
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:27.4/25

Out: -0.000+/-0.000 χ^2/NDF:42.6/28

All: -0.000+/-0.000 χ^2/NDF: 70.2/54

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: 0.002+/-0.000 χ^2/NDF:4829906.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:3355133.9/9

Left: 0.002+/-0.000 χ^2/NDF: 8311965.6/20

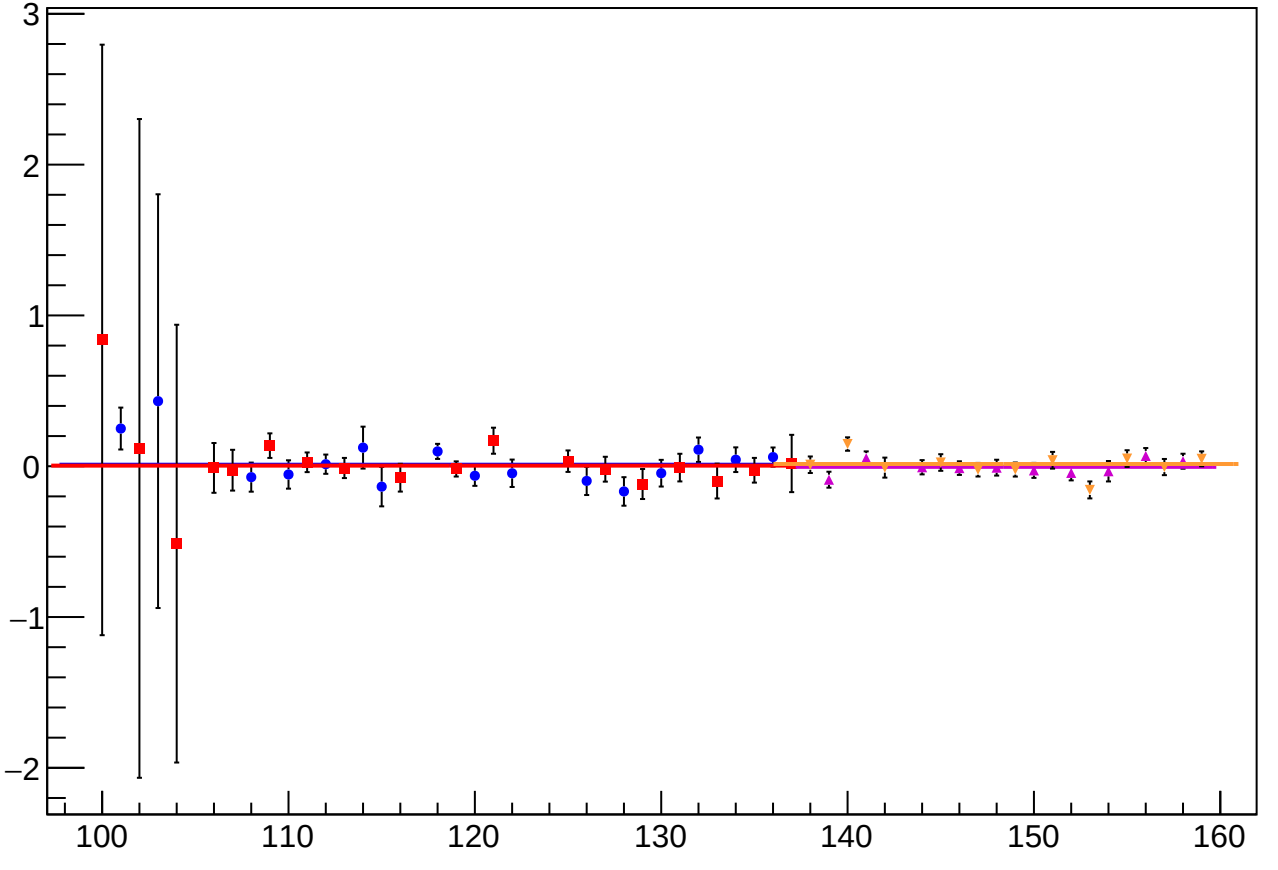
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:9626149.0/25

Out: 0.002+/-0.000 χ^2/NDF:9260959.4/28

All: 0.002+/-0.000 χ^2/NDF: 19023719.6/54

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: 0.015+/-0.016 χ^2/NDF:20.9/10

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.005+/-0.011 χ^2/NDF: 29.4/20

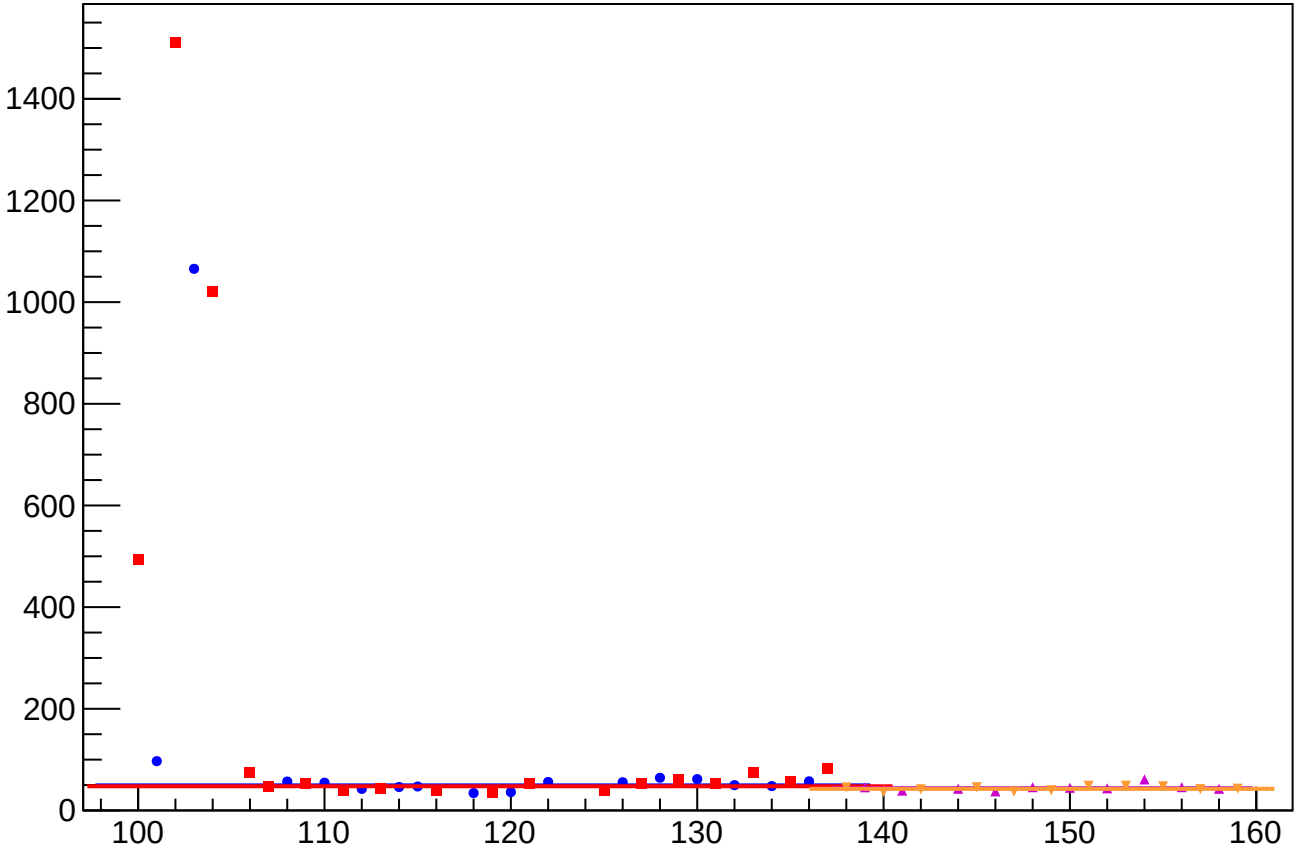
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.006+/-0.009 χ^2/NDF: 58.4/54

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: 42.551+/-0.011 χ^2/NDF:151429.2/10

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.760+/-0.011 χ^2/NDF:199940.6/9

Left: 43.146+/-0.008 χ^2/NDF: 357211.1/20

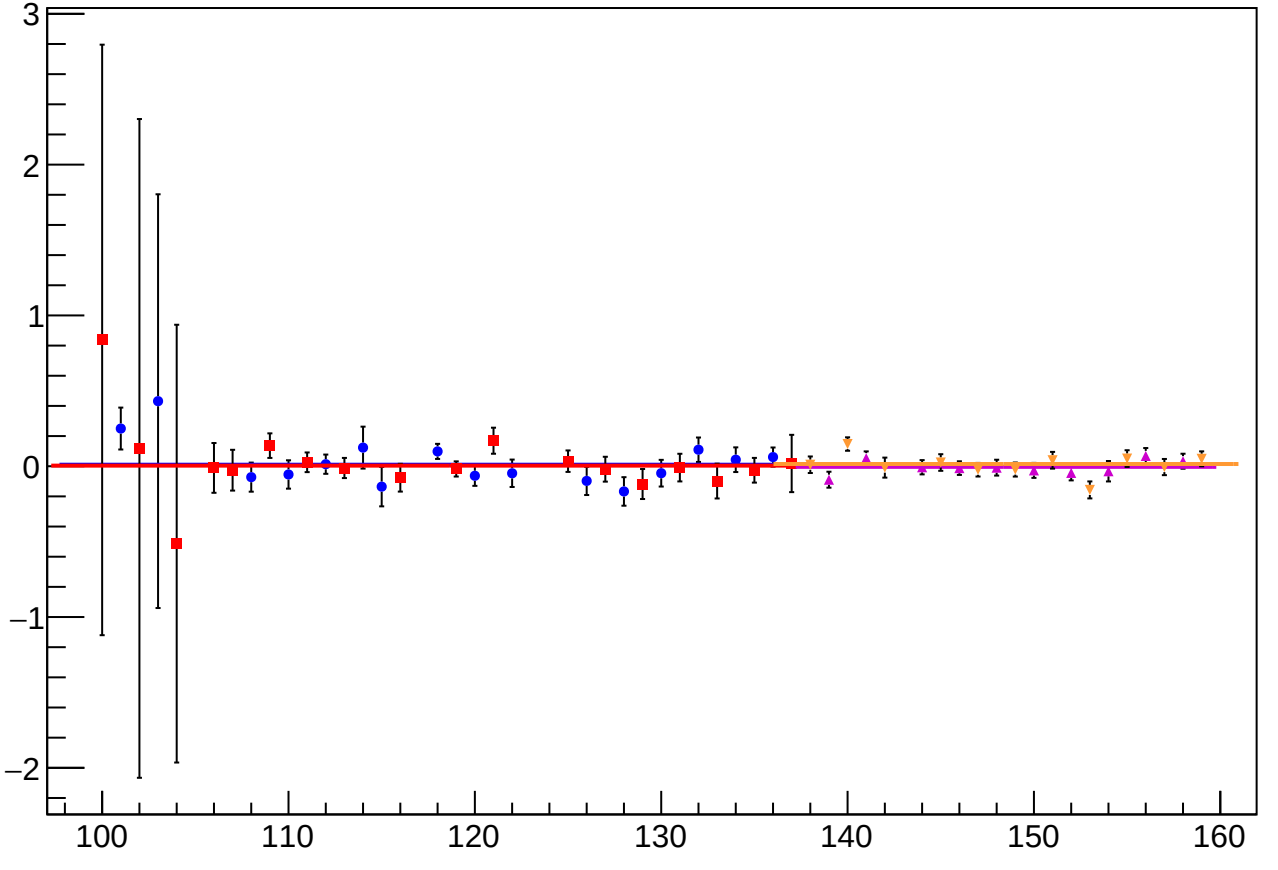
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.801+/-0.009 χ^2/NDF:2066534.3/25

Out: 44.306+/-0.009 χ^2/NDF:2641648.1/28

All: 45.053+/-0.006 χ^2/NDF: 4722085.5/54

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: 0.015+/-0.016 χ^2/NDF:20.9/10

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.005+/-0.011 χ^2/NDF: 29.4/20

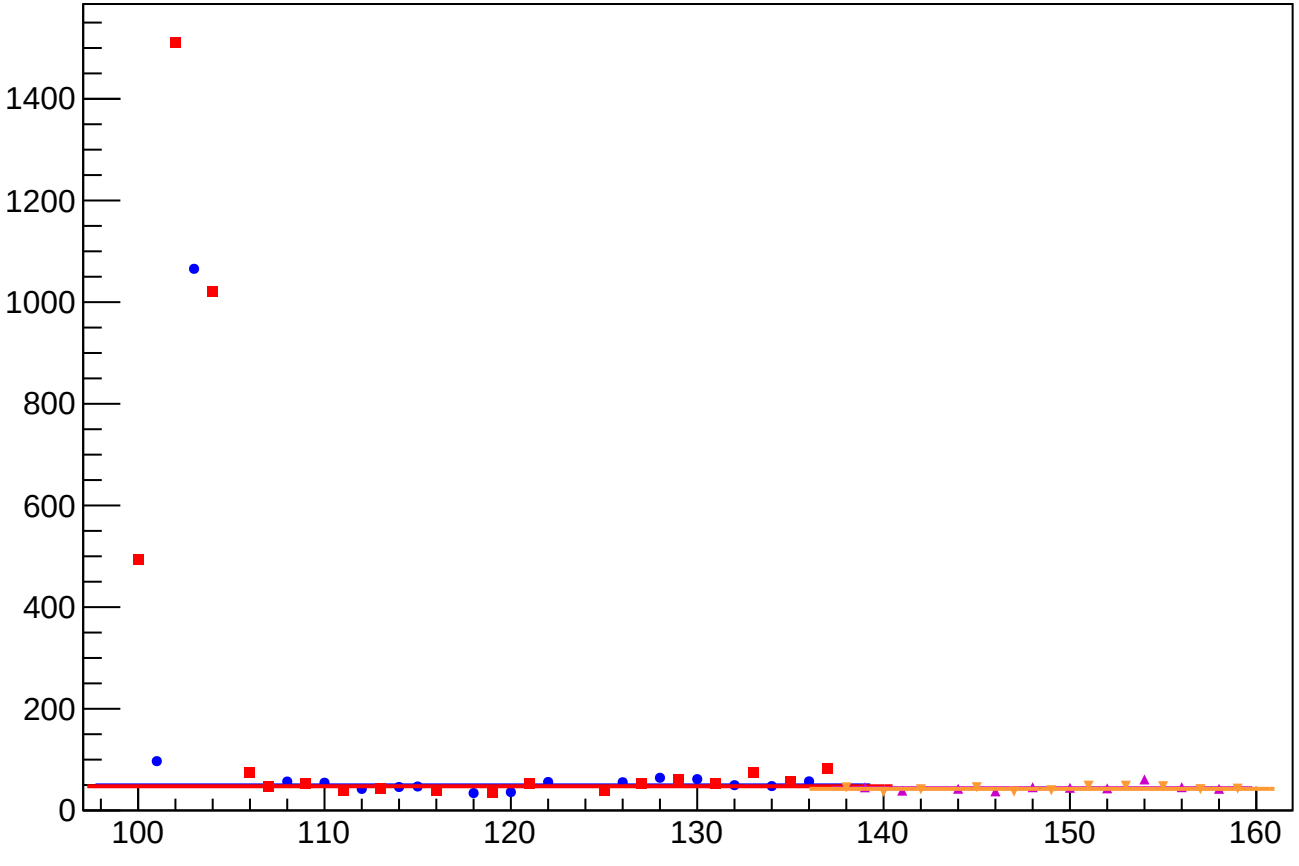
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.006+/-0.009 χ^2/NDF: 58.4/54

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: 42.551+/-0.011 χ^2/NDF:151429.2/10

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.760+/-0.011 χ^2/NDF:199940.6/9

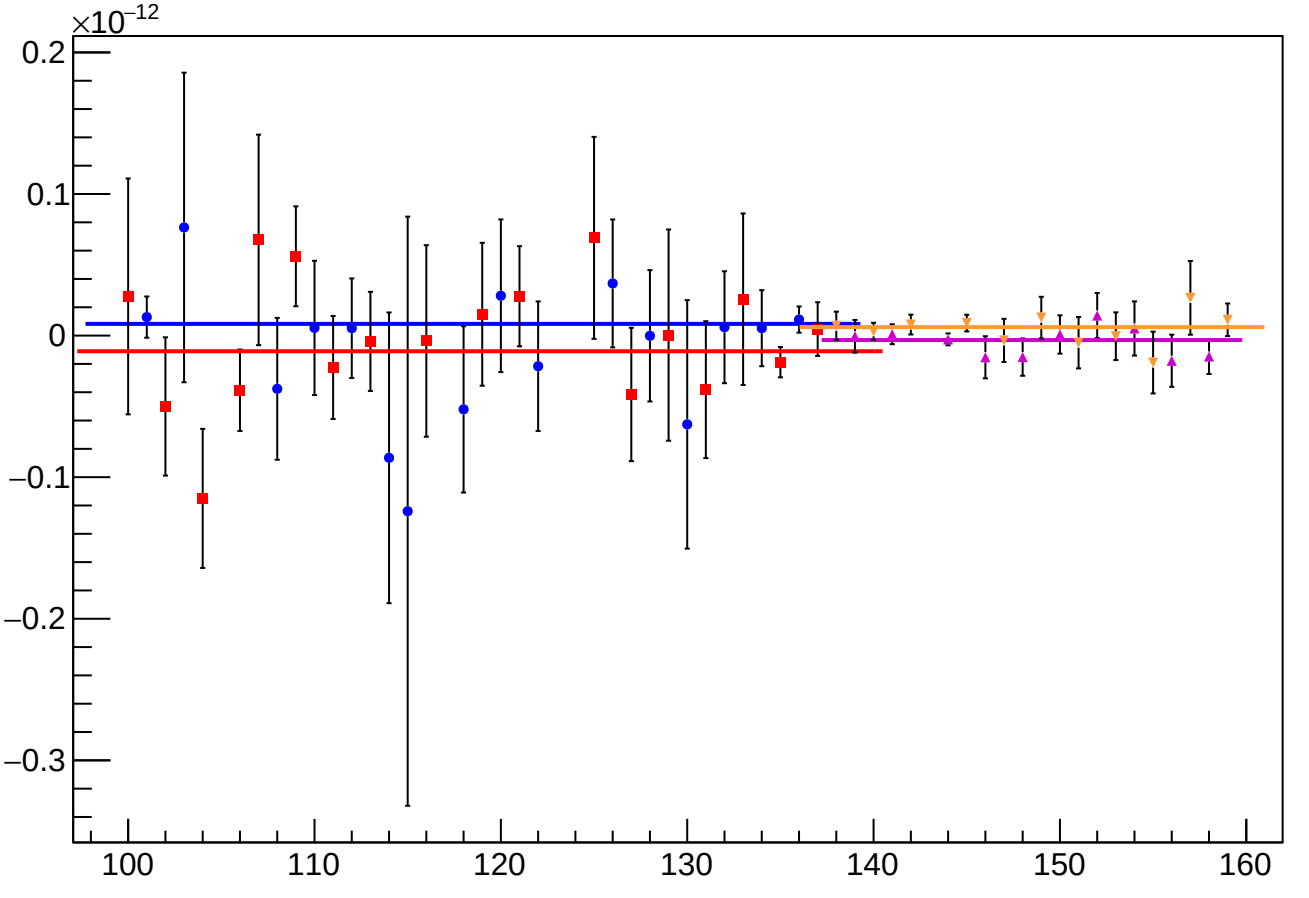
Left: 43.146+/-0.008 χ^2/NDF: 357211.1/20

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.801+/-0.009 χ^2/NDF:2066534.3/25

Out: 44.306+/-0.009 χ^2/NDF:2641648.1/28

All: 45.053+/-0.006 χ^2/NDF: 4722085.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:4.9/9

Left: 0.000+/-0.000 χ^2/NDF: 13.5/20

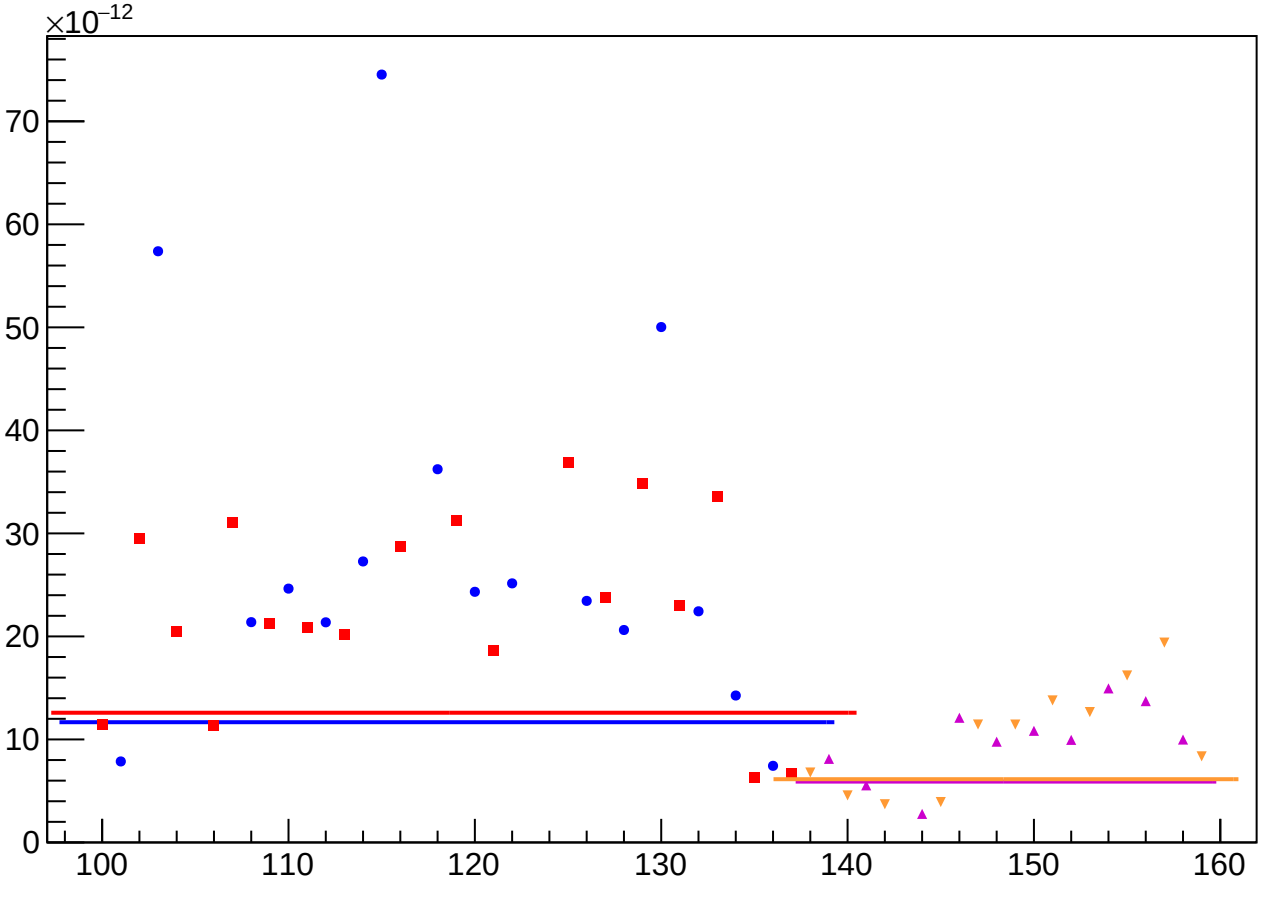
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:12.8/25

Out: 0.000+/-0.000 χ^2/NDF:24.7/28

All: 0.000+/-0.000 χ^2/NDF: 39.1/54

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2847600.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3129105.8/9

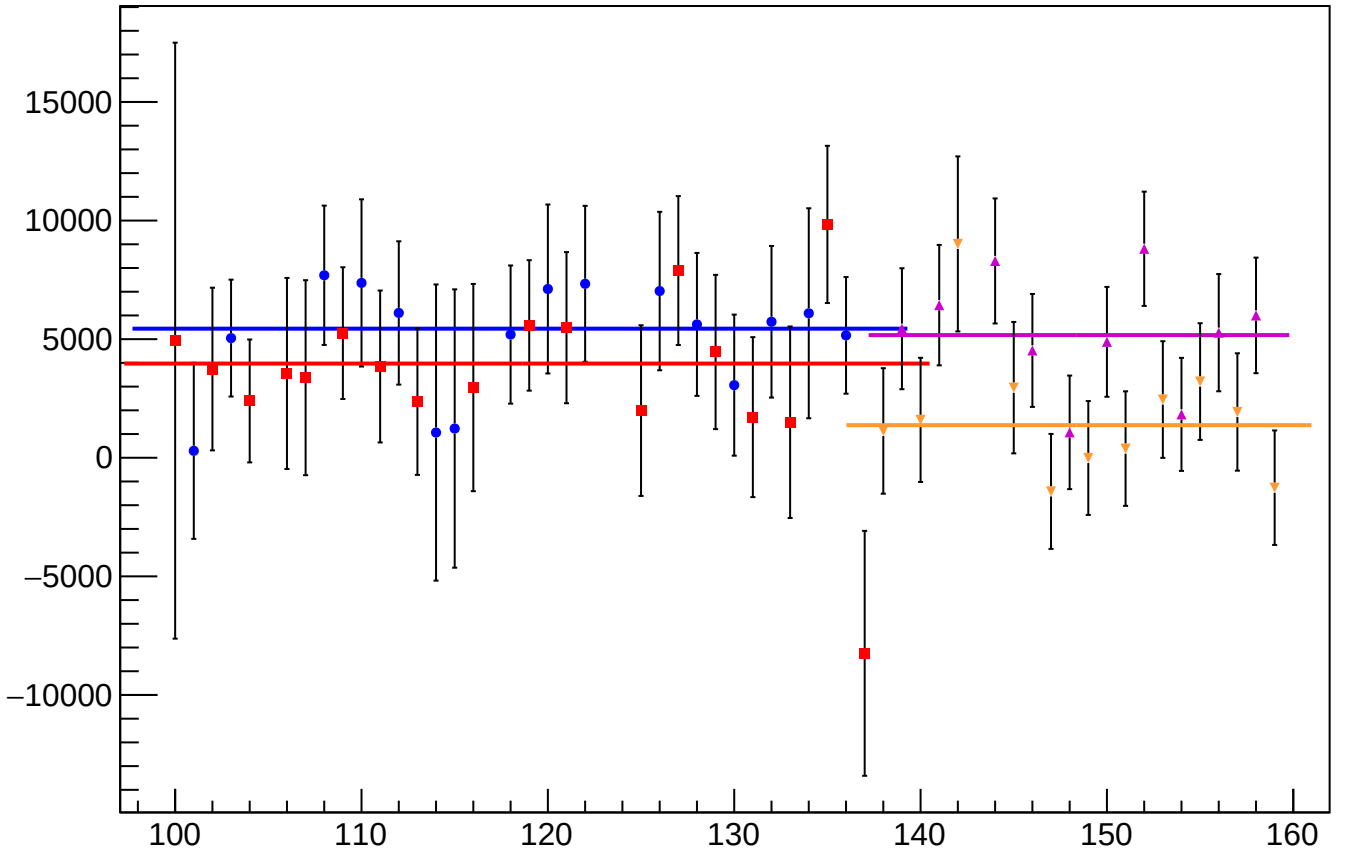
Left: 0.000+/-0.000 χ^2/NDF: 5982925.5/20

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:7287190.3/25

Out: 0.000+/-0.000 χ^2/NDF:7135432.1/28

All: 0.000+/-0.000 χ^2/NDF: 14429518.4/54



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1374.883+/-772.997 χ^2/NDF:8.5/10

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5171.540+/-773.599 χ^2/NDF:9.1/9

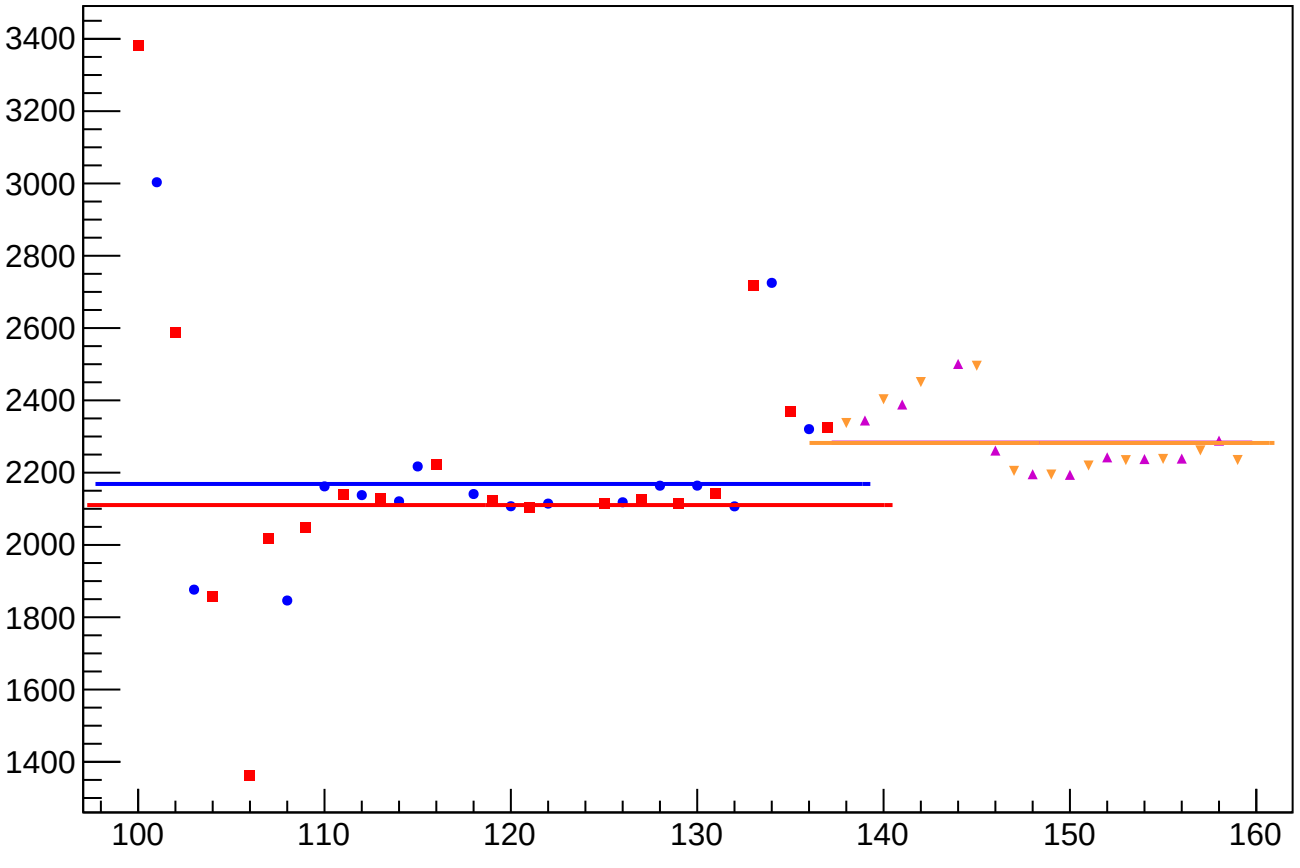
Left: 3271.735+/-546.804 χ^2/NDF: 29.6/20

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

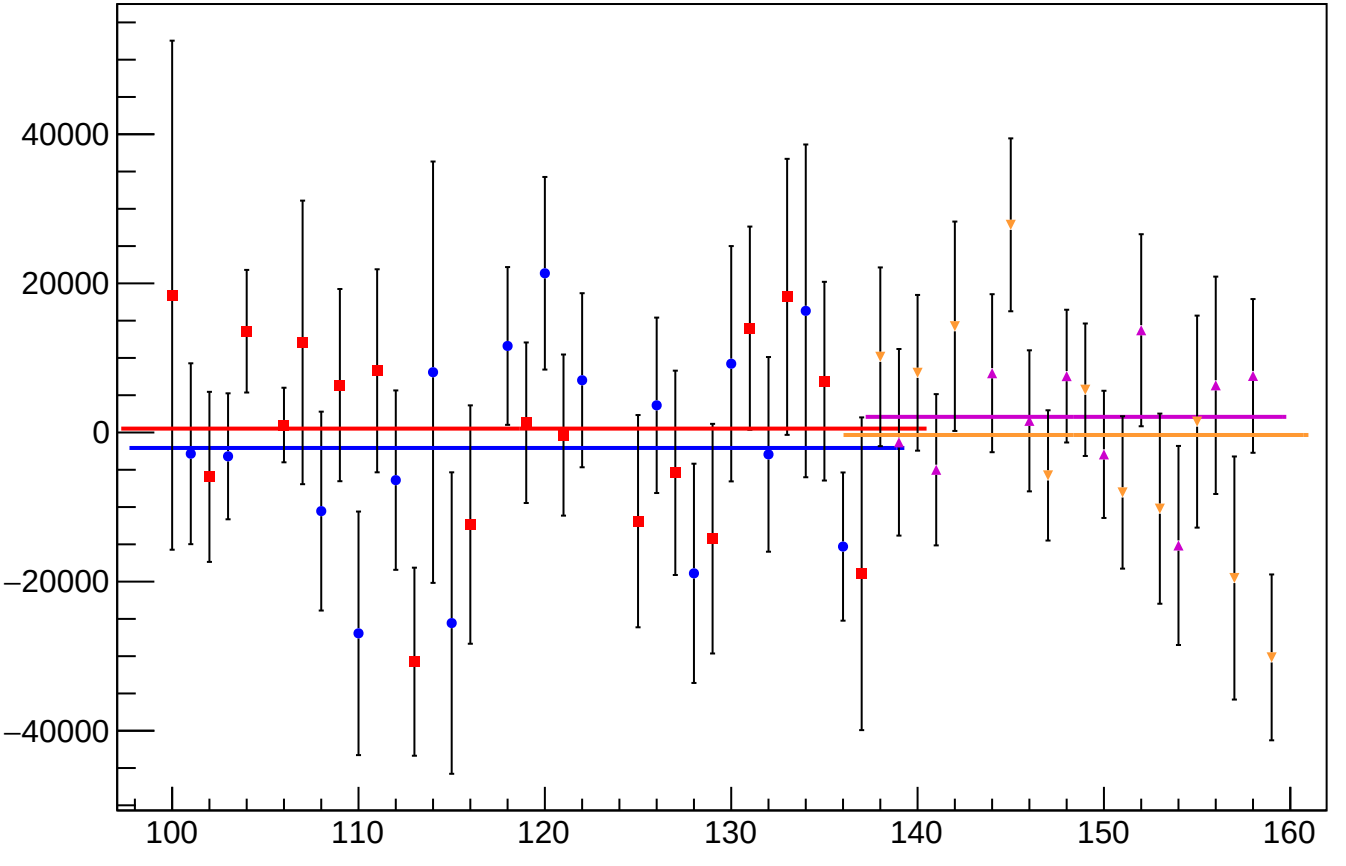
In: 5300.295+/-560.276 χ^2/NDF:14.5/25

Out: 2614.201+/-558.894 χ^2/NDF:26.8/28

All: 3953.931+/-395.685 χ^2/NDF: 52.8/54


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 2168.715+/-0.575 χ²/NDF: 195659.5/15
Left Out: 2282.188+/-0.547 χ²/NDF:29506.8/10
Right Out: 2110.365+/-0.563 χ²/NDF: 267413.4/17
Left In: 2283.132+/-0.547 χ²/NDF:25989.9/9
Left: 2282.660+/-0.387 χ²/NDF: 55498.3/20
Right: 2138.947+/-0.402 χ²/NDF: 468334.9/33
In: 2228.731+/-0.396 χ²/NDF:242451.1/25
Out: 2198.814+/-0.392 χ²/NDF:344870.3/28
All: 2213.620+/-0.279 χ²/NDF: 590201.6/54

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: -334.244+/-3391.615 χ^2/NDF:19.0/10

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2098.451+/-3365.123 χ^2/NDF:4.4/9

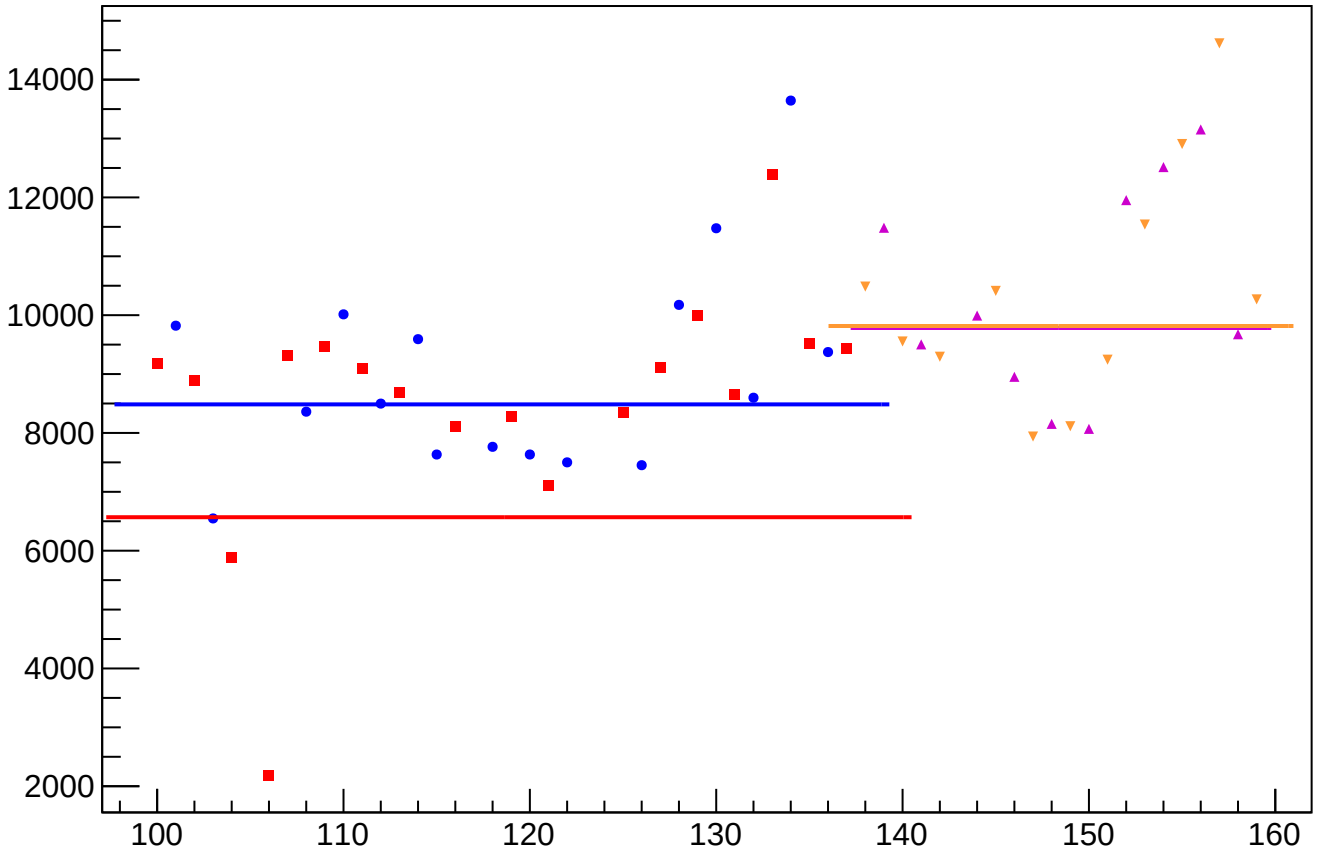
Left: 891.641+/-2388.813 χ^2/NDF: 23.7/20

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -85.242+/-2323.509 χ^2/NDF:19.7/25

Out: 187.178+/-2119.817 χ^2/NDF:34.7/28

All: 63.430+/-1566.007 χ^2/NDF: 54.4/54



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9816.064+/-2.398 χ^2/NDF:495451.9/10

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9782.326+/-2.380 χ^2/NDF:450156.3/9

Left: 9799.063+/-1.689 χ^2/NDF: 945707.9/20

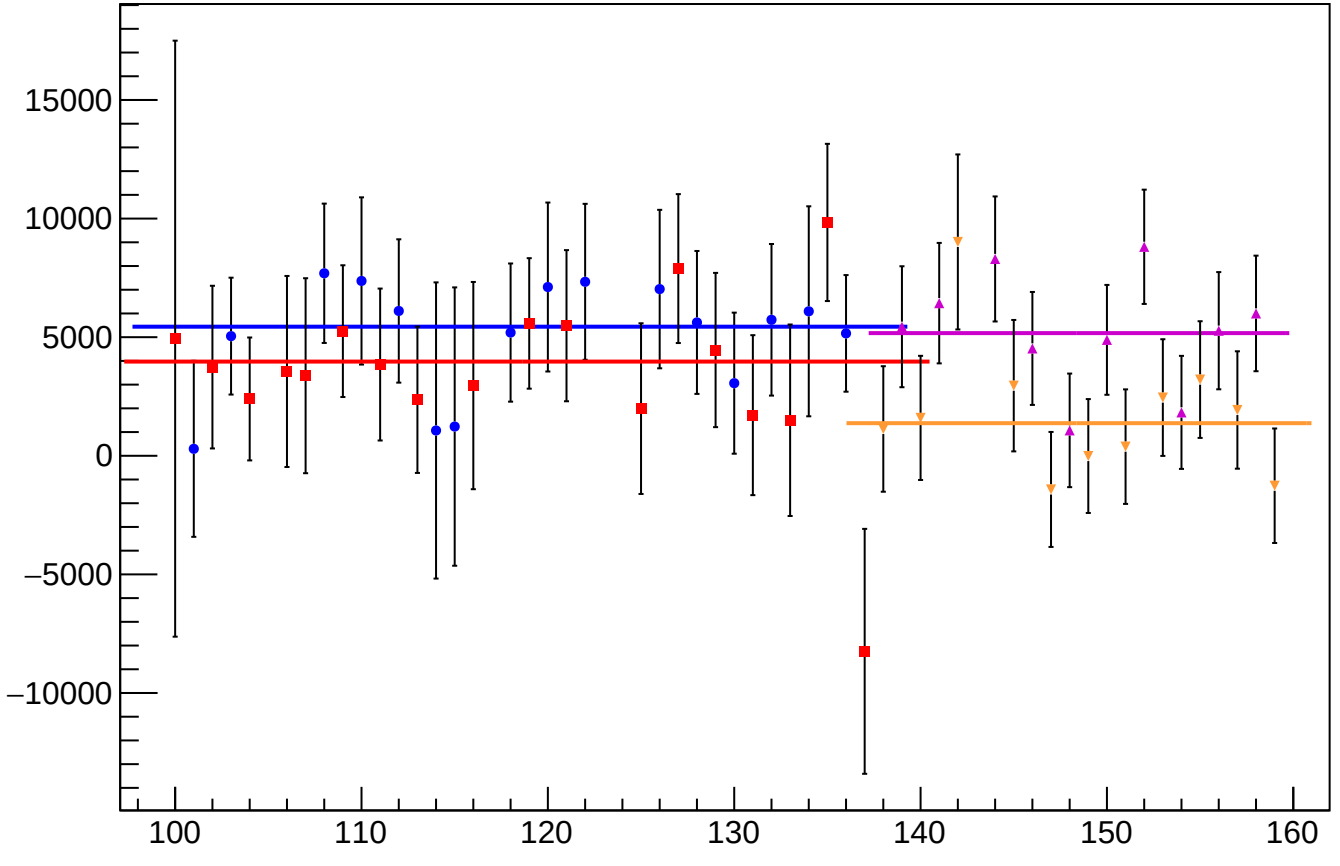
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9103.495+/-1.643 χ^2/NDF:1028401.4/25

Out: 7837.277+/-1.499 χ^2/NDF:4181576.3/28

All: 8412.462+/-1.107 χ^2/NDF: 5534129.5/54

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1374.739+/-772.997 χ^2/NDF:8.5/10

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5171.749+/-773.599 χ^2/NDF:9.1/9

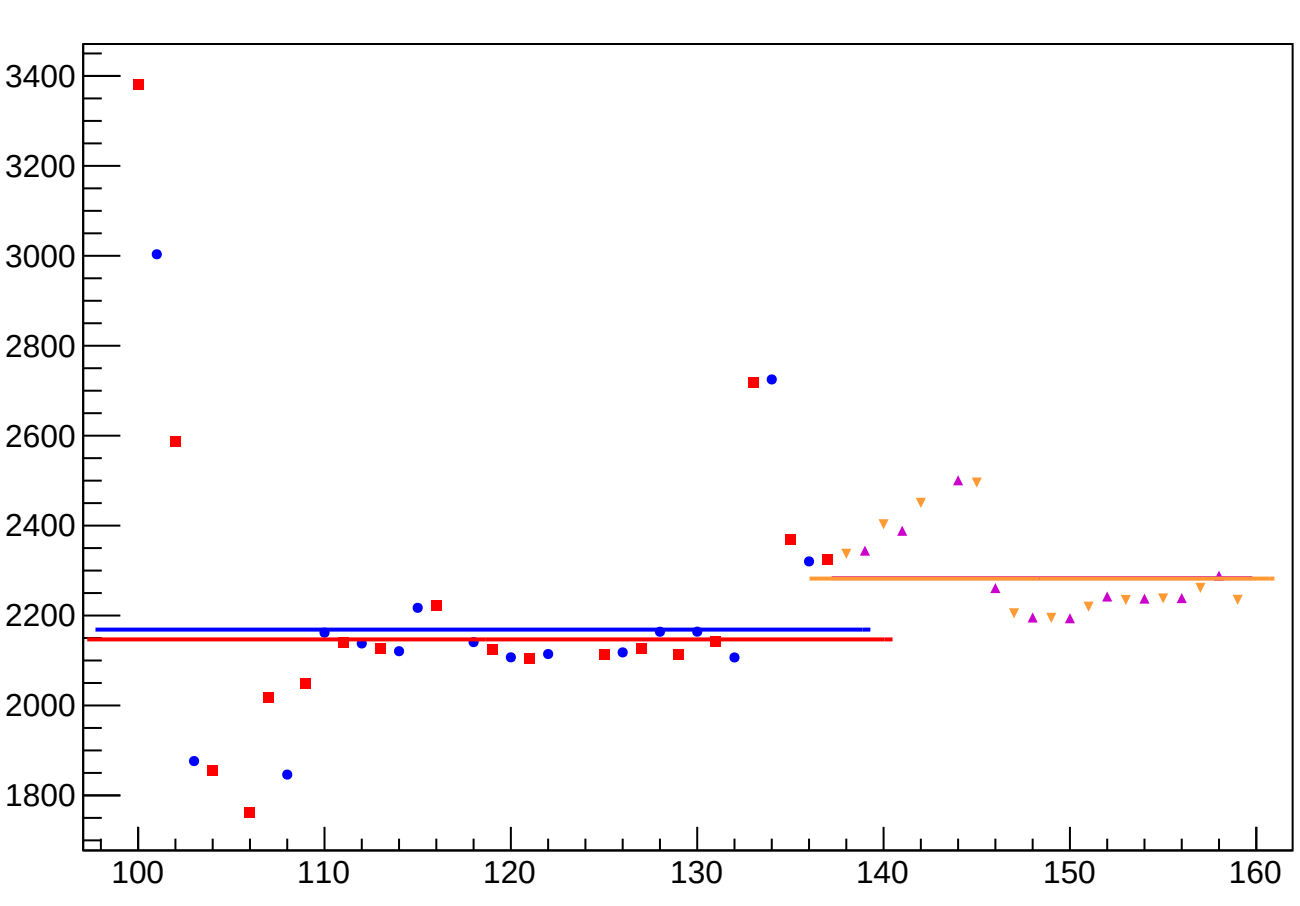
Left: 3271.767+/-546.804 χ^2/NDF: 29.6/20

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

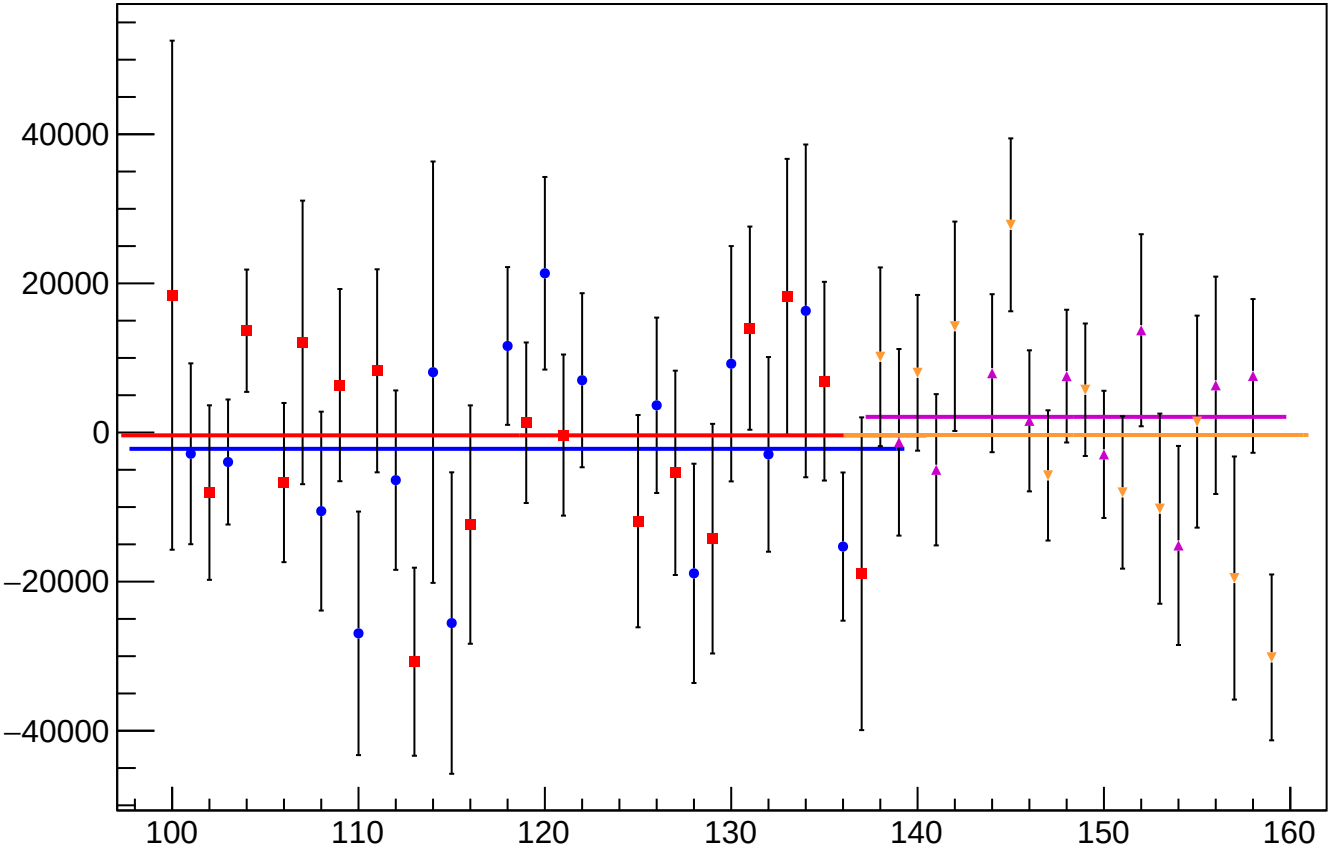
In: 5300.472+/-560.276 χ^2/NDF:14.5/25

Out: 2614.002+/-558.894 χ^2/NDF:26.8/28

All: 3953.920+/-395.685 χ^2/NDF: 52.8/54


cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
Right In: 2168.715+/-0.575 χ²/NDF: 195659.8/15
Left Out: 2282.188+/-0.547 χ²/NDF:29506.8/10
Right Out: 2146.888+/-0.569 χ²/NDF: 157750.7/17
Left In: 2283.132+/-0.547 χ²/NDF:25989.9/9
Left: 2282.660+/-0.387 χ²/NDF: 55498.3/20
Right: 2157.700+/-0.404 χ²/NDF: 354138.9/33
In: 2228.731+/-0.396 χ²/NDF:242451.5/25
Out: 2217.281+/-0.394 χ²/NDF:216651.8/28
All: 2222.978+/-0.279 χ²/NDF: 459522.9/54

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: -334.332+/-3391.613 χ^2/NDF:19.0/10

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2098.717+/-3365.121 χ^2/NDF:4.4/9

Left: 891.732+/-2388.811 χ^2/NDF: 23.7/20

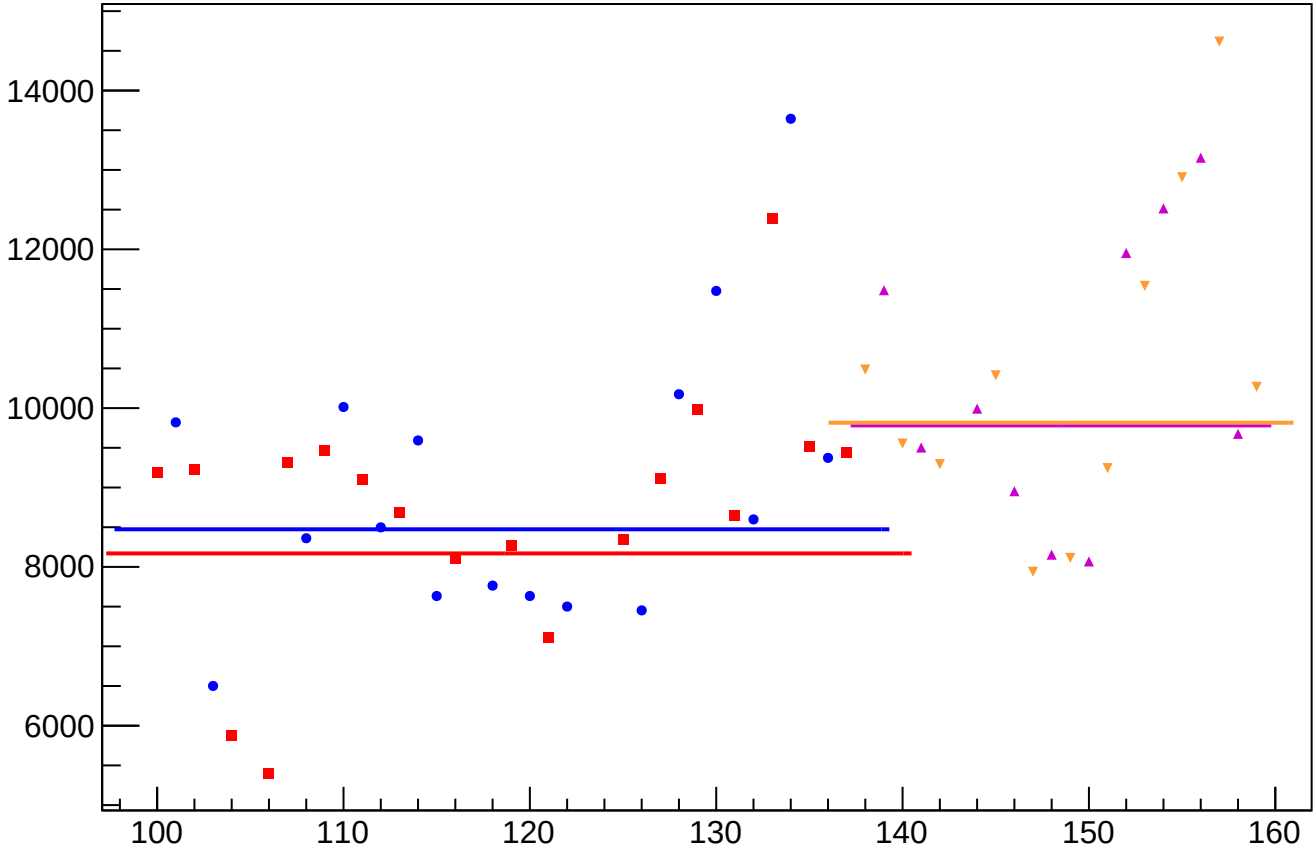
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -147.360+/-2322.157 χ^2/NDF:19.8/25

Out: -358.798+/-2288.174 χ^2/NDF:35.3/28

All: -254.637+/-1629.865 χ^2/NDF: 55.1/54

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9816.057+/-2.398 χ^2/NDF:495455.0/10

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9782.320+/-2.379 χ^2/NDF:450158.5/9

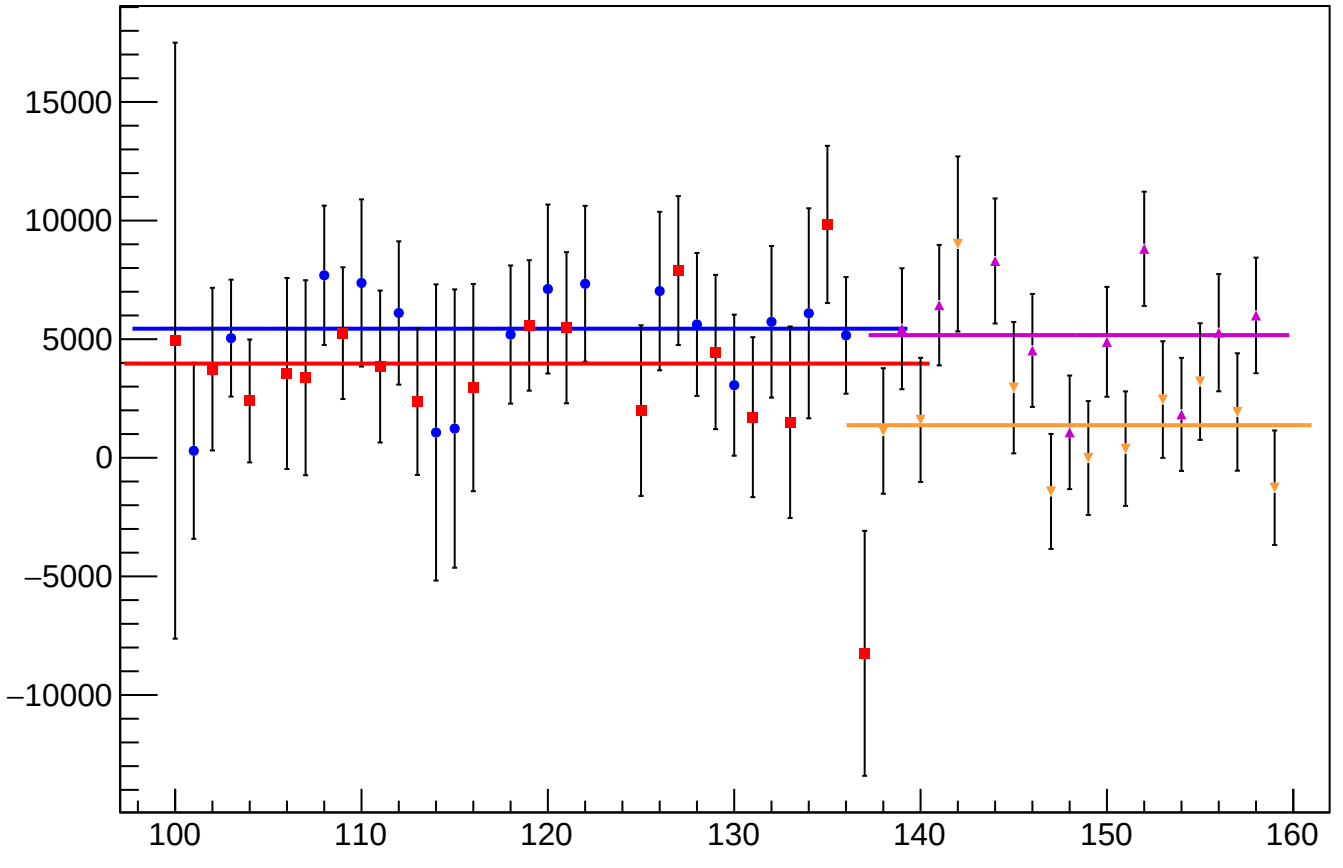
Left: 9799.056+/-1.689 χ^2/NDF: 945713.2/20

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9096.876+/-1.642 χ^2/NDF:1038121.9/25

Out: 8919.237+/-1.618 χ^2/NDF:1292042.3/28

All: 9006.747+/-1.152 χ^2/NDF: 2336102.4/54



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1374.739+/-772.997 χ^2/NDF:8.5/10

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5171.749+/-773.599 χ^2/NDF:9.1/9

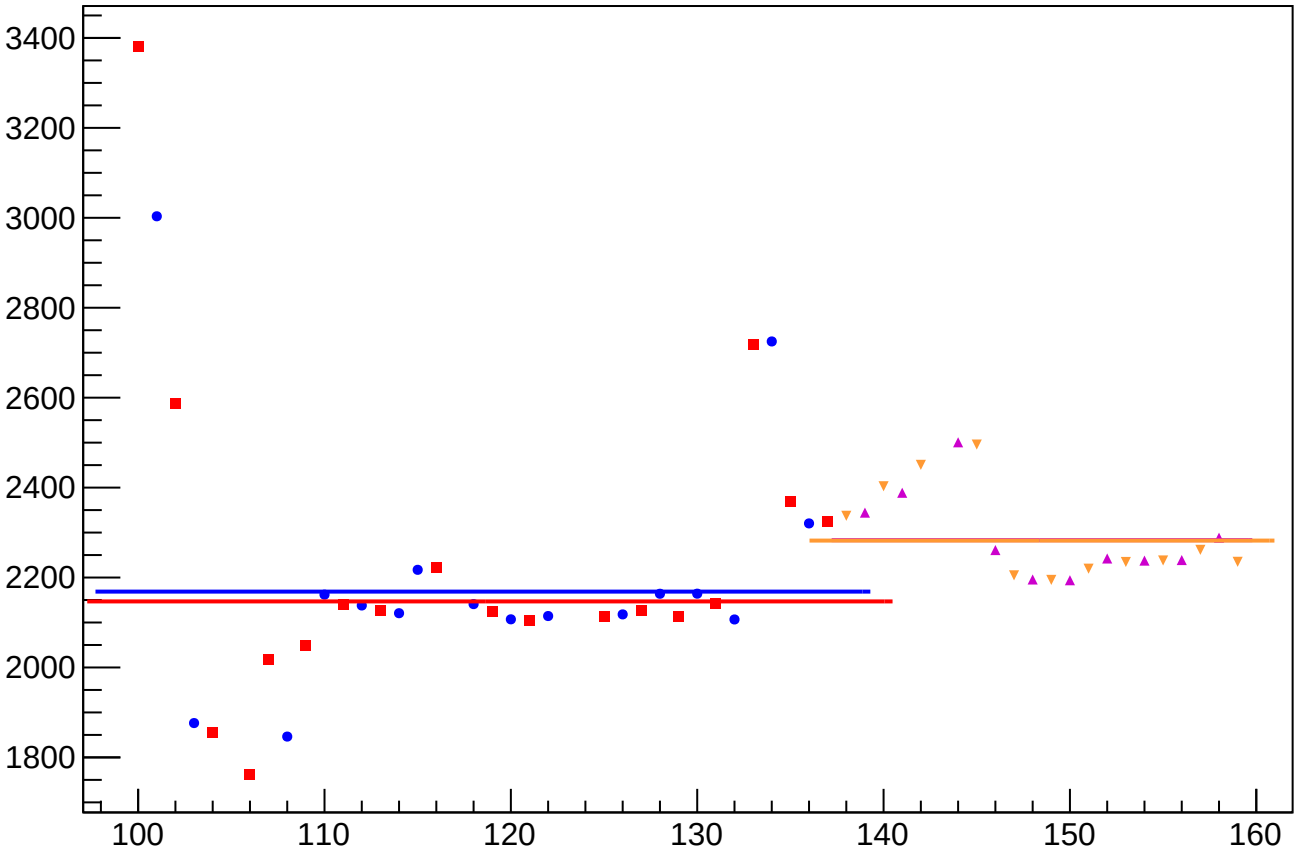
Left: 3271.767+/-546.804 χ^2/NDF: 29.6/20

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5300.472+/-560.276 χ^2/NDF:14.5/25

Out: 2614.002+/-558.894 χ^2/NDF:26.8/28

All: 3953.920+/-395.685 χ^2/NDF: 52.8/54



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2282.188+/-0.547 χ^2/NDF:29506.8/10

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

Left: 2282.660+/-0.387 χ^2/NDF: 55498.3/20

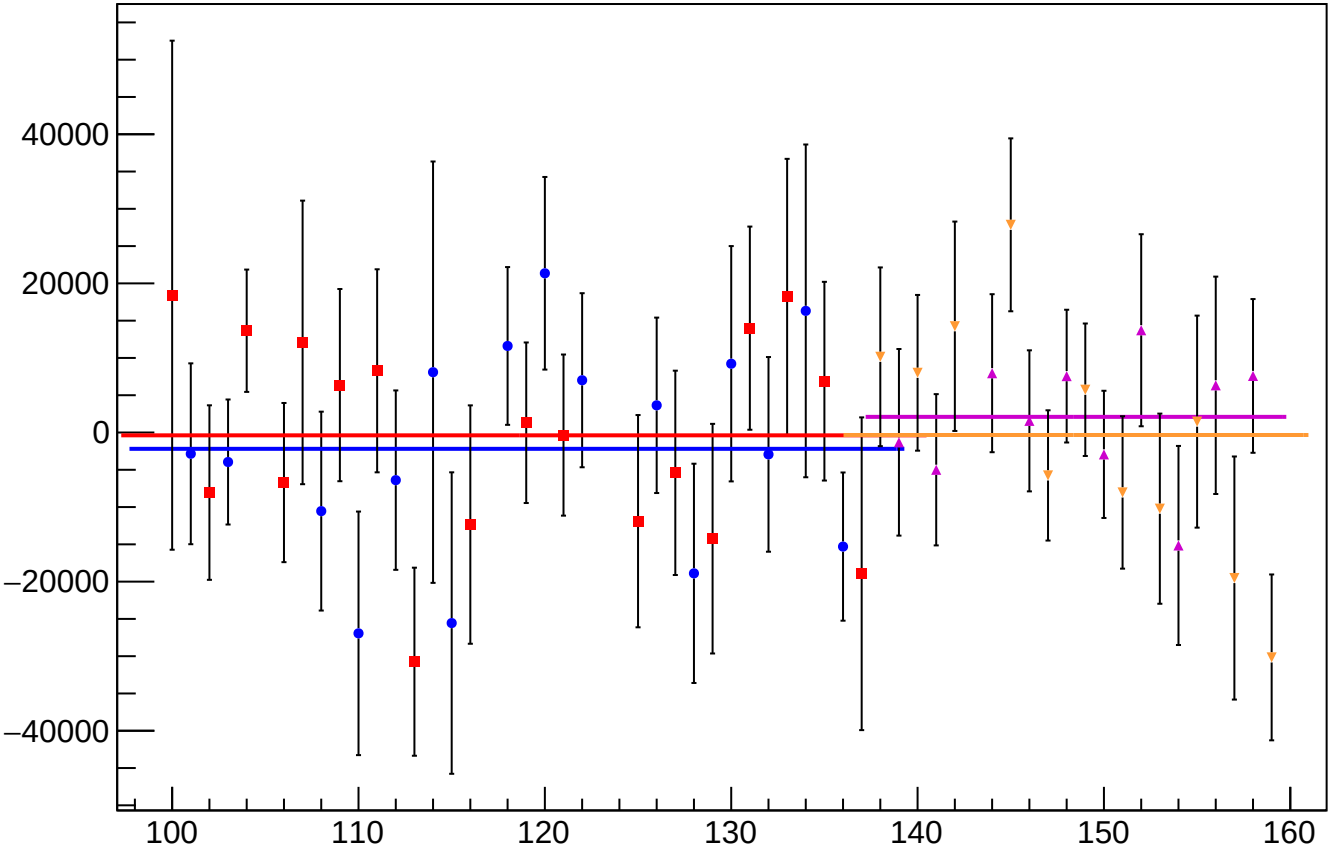
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.731+/-0.396 χ^2/NDF:242451.5/25

Out: 2217.281+/-0.394 χ^2/NDF:216651.8/28

All: 2222.978+/-0.279 χ^2/NDF: 459522.9/54

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: -334.332+/-3391.613 χ^2/NDF:19.0/10

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2098.717+/-3365.121 χ^2/NDF:4.4/9

Left: 891.732+/-2388.811 χ^2/NDF: 23.7/20

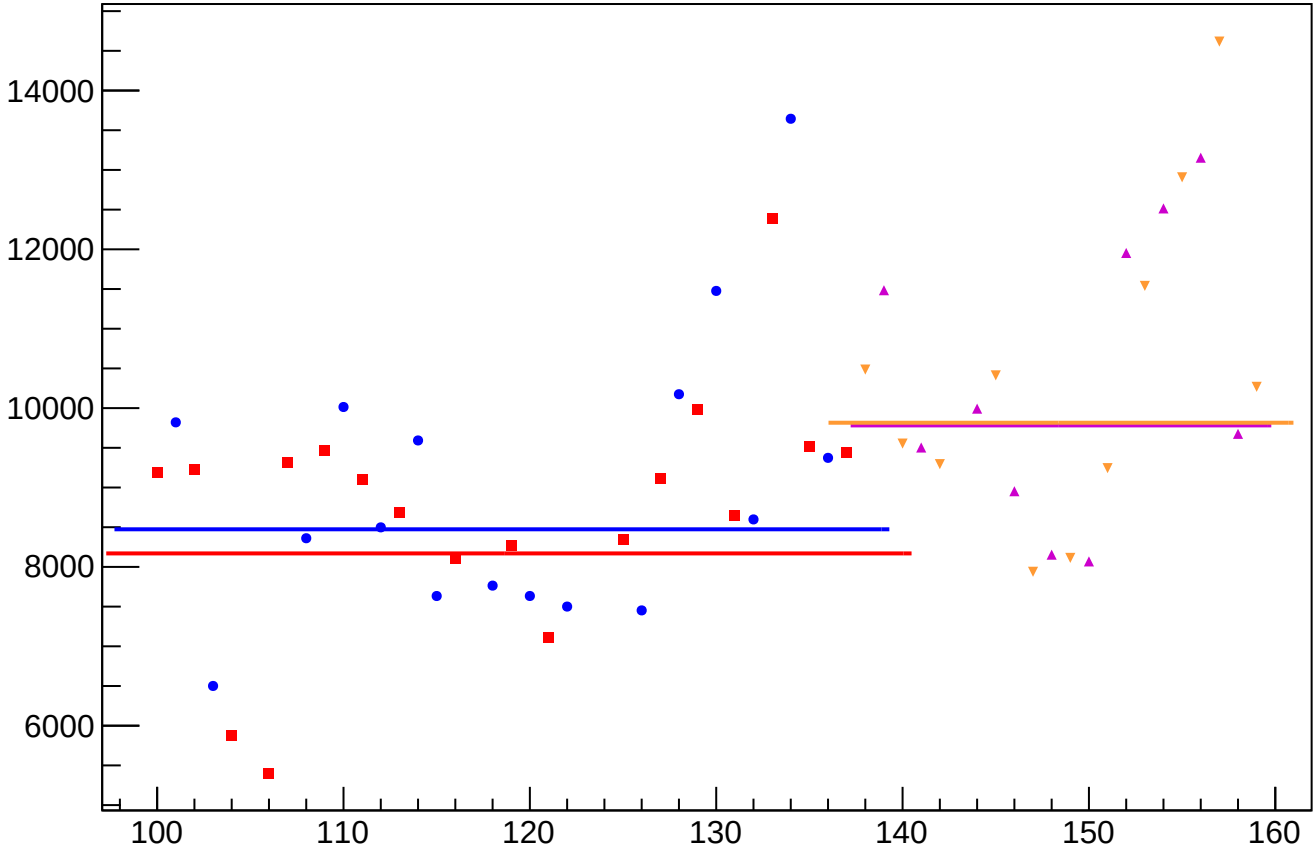
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -147.360+/-2322.157 χ^2/NDF:19.8/25

Out: -358.798+/-2288.174 χ^2/NDF:35.3/28

All: -254.637+/-1629.865 χ^2/NDF: 55.1/54

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: 9816.057+/-2.398 χ^2/NDF:495455.0/10

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9782.320+/-2.379 χ^2/NDF:450158.5/9

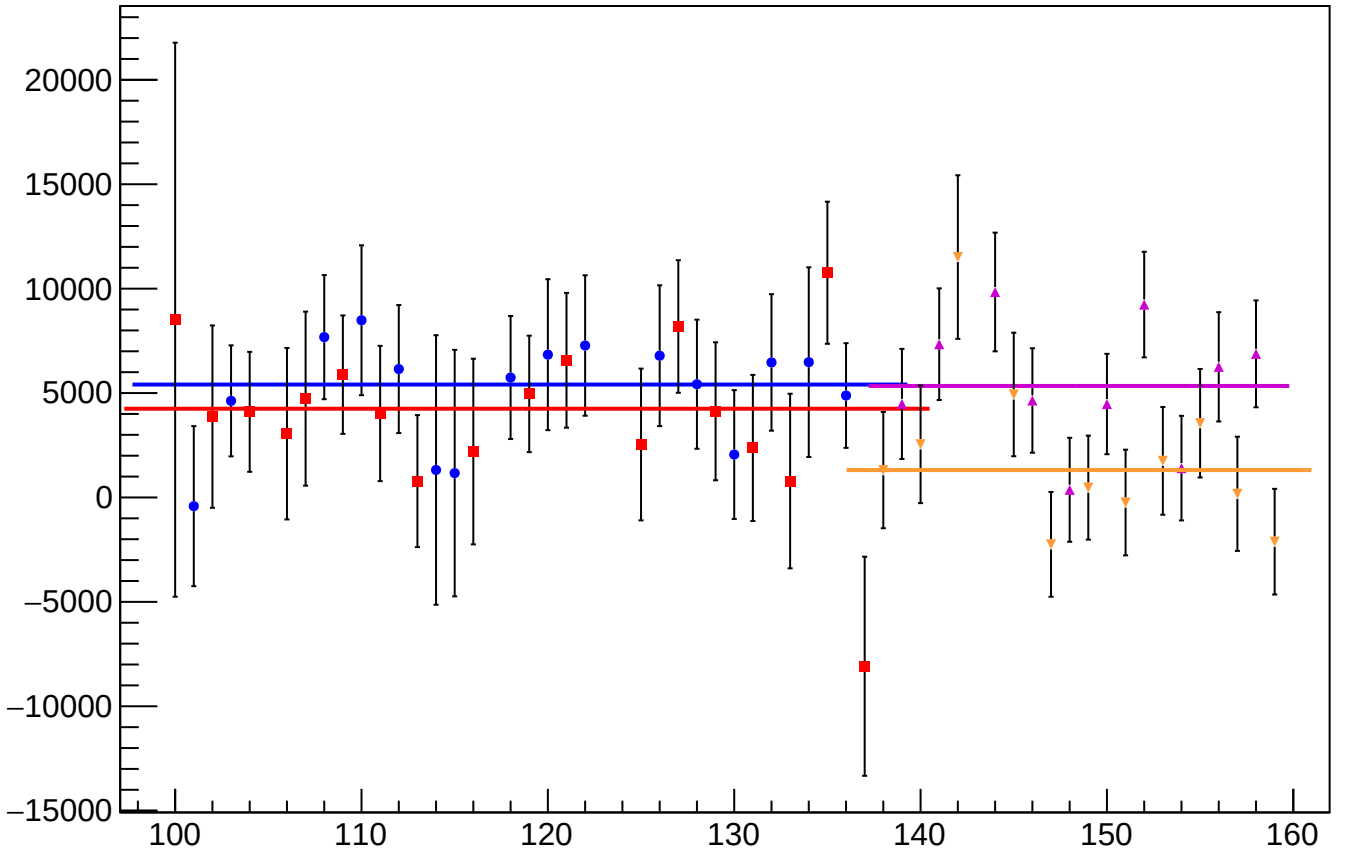
Left: 9799.056+/-1.689 χ^2/NDF: 945713.2/20

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9096.876+/-1.642 χ^2/NDF:1038121.9/25

Out: 8919.237+/-1.618 χ^2/NDF:1292042.3/28

All: 9006.747+/-1.152 χ^2/NDF: 2336102.4/54



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1312.351+/-816.783 χ^2/NDF:13.8/10

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5340.344+/-812.052 χ^2/NDF:12.7/9

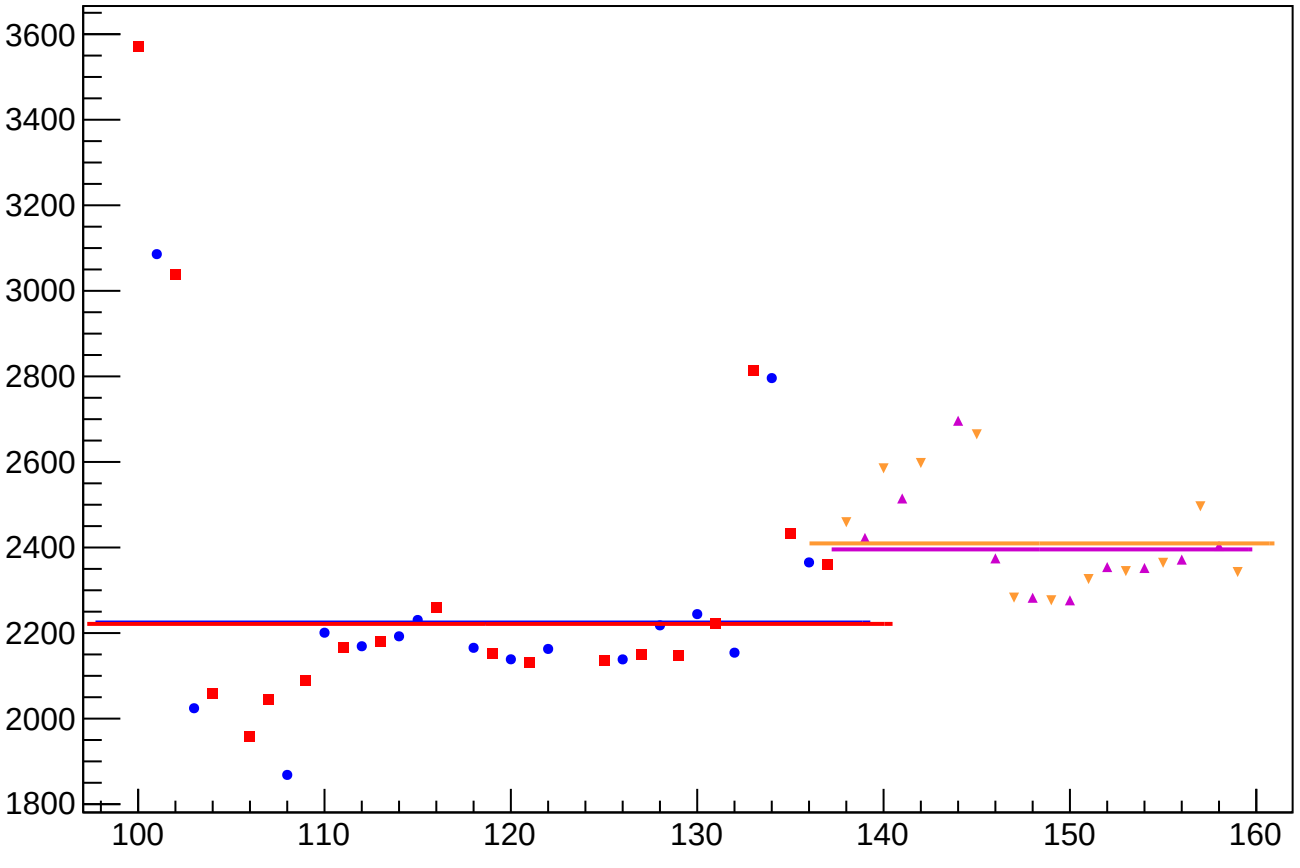
Left: 3338.049+/-575.873 χ^2/NDF: 38.7/20

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5373.218+/-581.706 χ^2/NDF:19.4/25

Out: 2741.130+/-585.364 χ^2/NDF:34.5/28

All: 4065.423+/-412.615 χ^2/NDF: 64.1/54



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2409.564+/-0.578 χ^2/NDF:46105.5/10

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.534+/-0.574 χ^2/NDF:37063.4/9

Left: 2402.508+/-0.407 χ^2/NDF: 83465.7/20

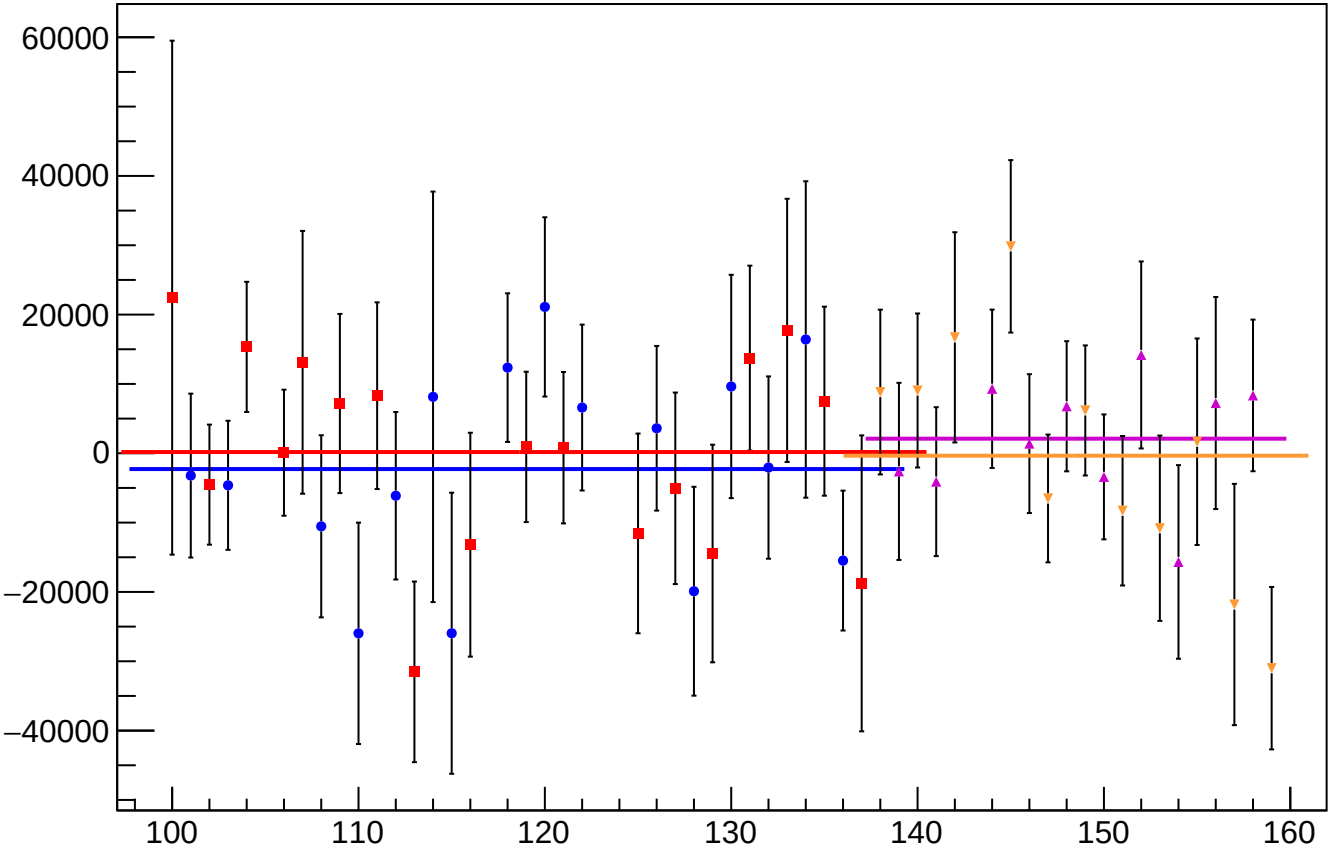
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2312.321+/-0.411 χ^2/NDF:264880.4/25

Out: 2317.998+/-0.414 χ^2/NDF:267694.7/28

All: 2315.143+/-0.292 χ^2/NDF: 532669.8/54

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: -350.895+/-3570.136 χ^2/NDF:18.9/10

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2103.294+/-3549.065 χ^2/NDF:4.4/9

Left: 883.463+/-2516.985 χ^2/NDF: 23.5/20

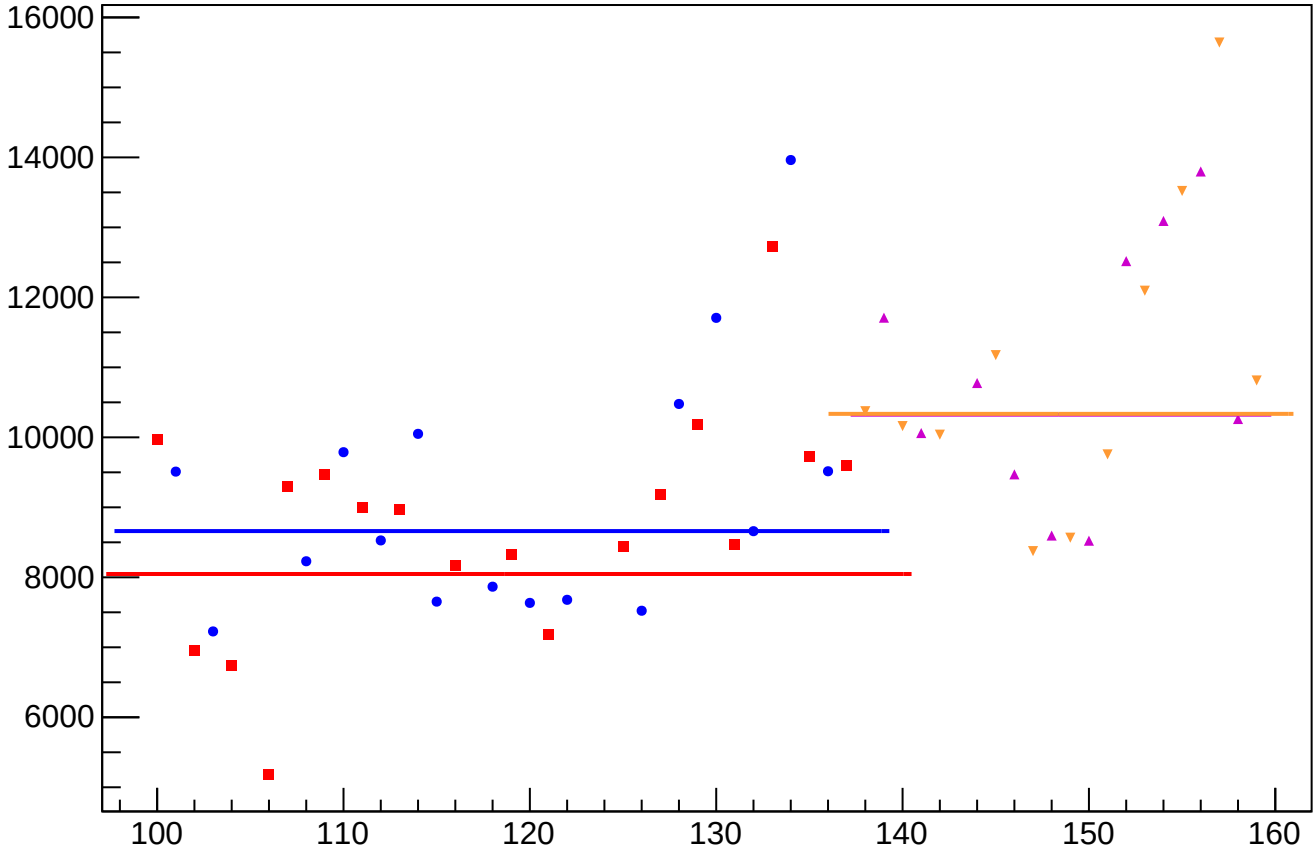
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -265.428+/-2405.549 χ^2/NDF:19.7/25

Out: -44.474+/-2312.520 χ^2/NDF:34.6/28

All: -150.596+/-1667.117 χ^2/NDF: 54.3/54

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: 10335.501+/-2.524 χ^2/NDF:493430.3/10

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10324.009+/-2.510 χ^2/NDF:424939.9/9

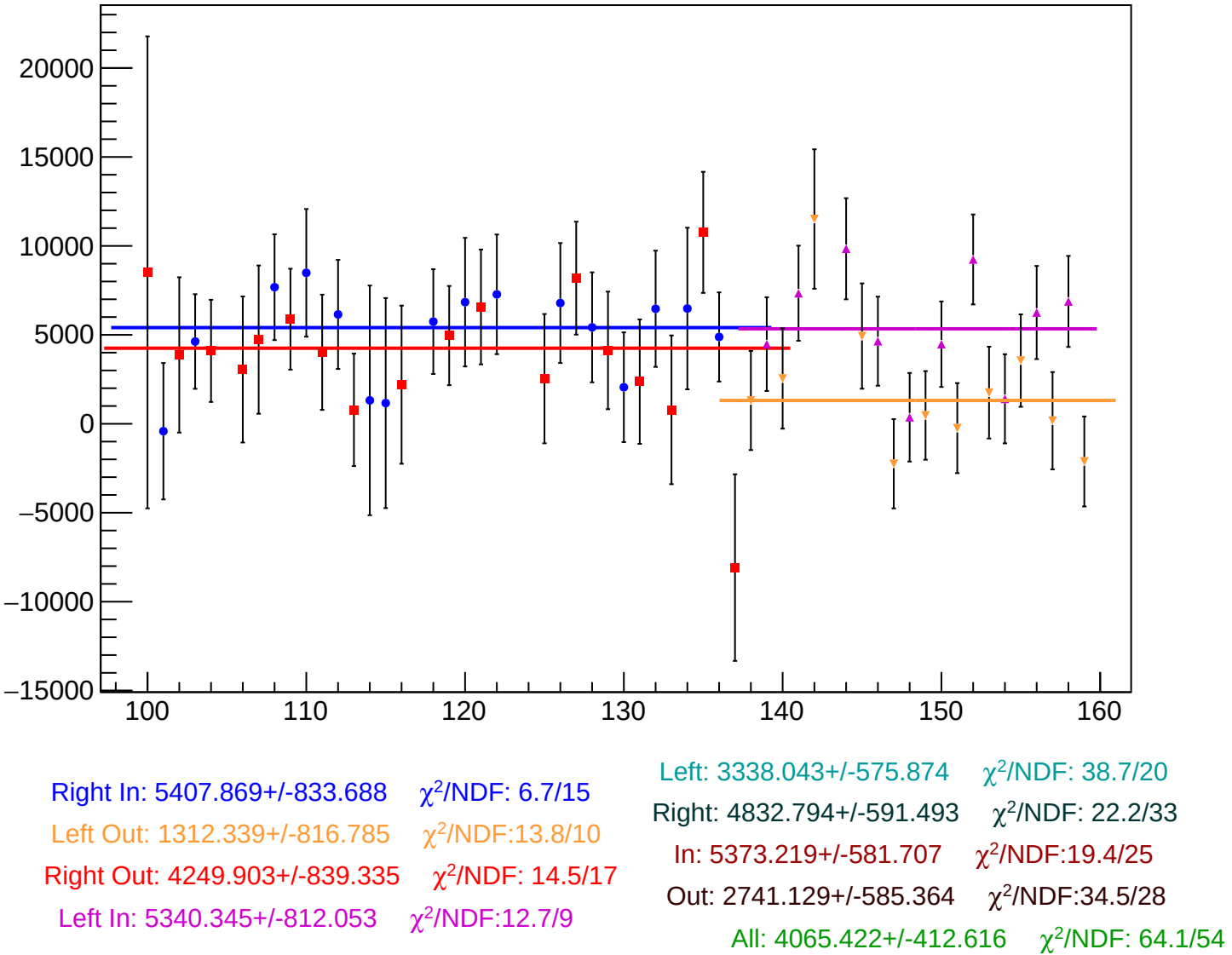
Left: 10329.721+/-1.780 χ^2/NDF: 918380.6/20

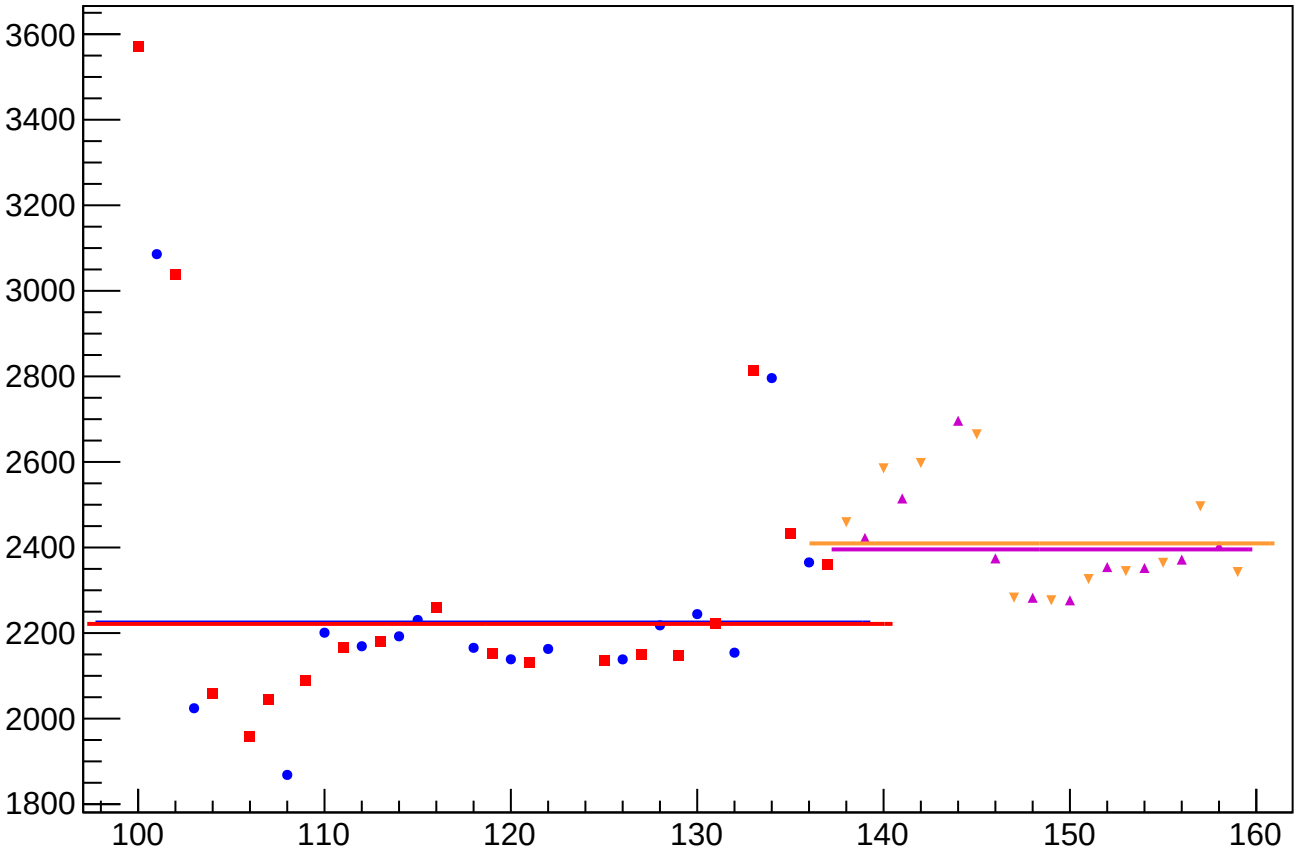
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9424.858+/-1.701 χ^2/NDF:1020366.5/25

Out: 9007.447+/-1.635 χ^2/NDF:1528794.3/28

All: 9207.925+/-1.179 χ^2/NDF: 2580457.0/54


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 1312.339+/-816.785 χ²/NDF:13.8/10
Right Out: 4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: 5340.345+/-812.053 χ²/NDF:12.7/9
Left: 3338.043+/-575.874 χ²/NDF: 38.7/20
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5373.219+/-581.707 χ²/NDF:19.4/25
Out: 2741.129+/-585.364 χ²/NDF:34.5/28
All: 4065.422+/-412.616 χ²/NDF: 64.1/54



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2409.567+/-0.578 χ^2/NDF:46106.2/10

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.538+/-0.574 χ^2/NDF:37063.7/9

Left: 2402.512+/-0.407 χ^2/NDF: 83466.7/20

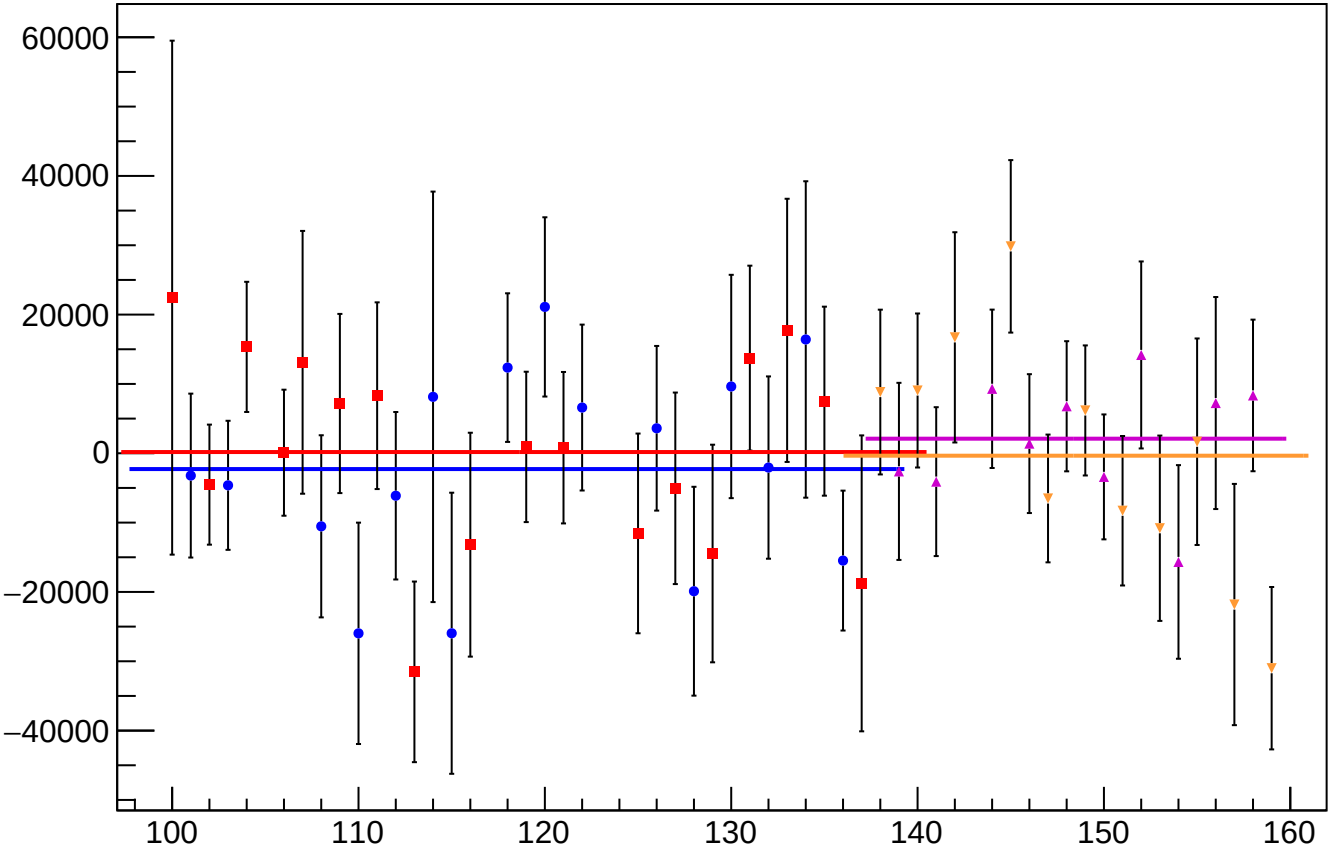
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2312.322+/-0.411 χ^2/NDF:264882.8/25

Out: 2317.999+/-0.414 χ^2/NDF:267697.5/28

All: 2315.144+/-0.292 χ^2/NDF: 532674.9/54

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: -350.907+/-3570.141 χ^2/NDF:18.9/10

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2103.295+/-3549.070 χ^2/NDF:4.4/9

Left: 883.457+/-2516.988 χ^2/NDF: 23.5/20

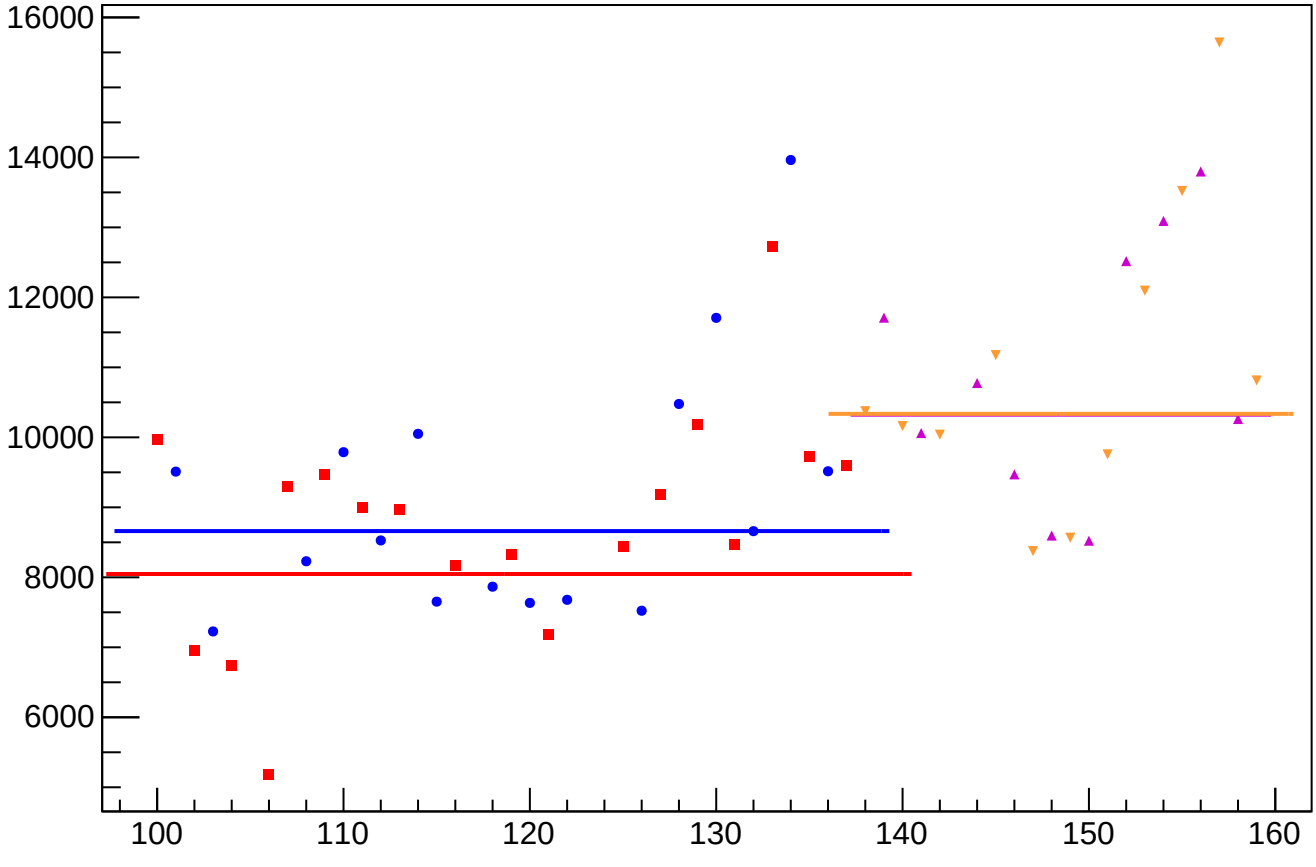
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -265.424+/-2405.547 χ^2/NDF:19.7/25

Out: -44.475+/-2312.518 χ^2/NDF:34.6/28

All: -150.594+/-1667.115 χ^2/NDF: 54.3/54

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: 10335.515+/-2.524 χ^2/NDF:493431.5/10

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10324.023+/-2.510 χ^2/NDF:424940.4/9

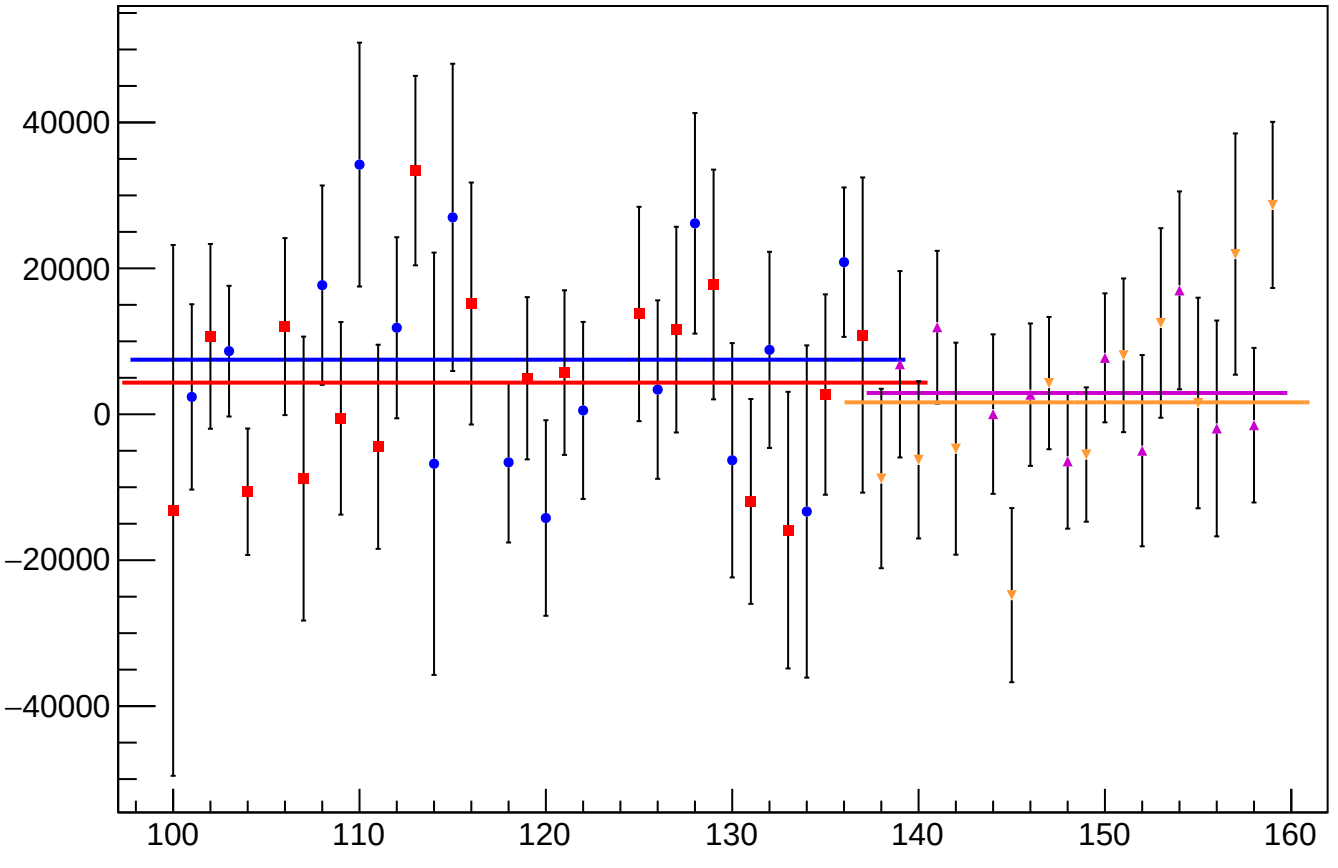
Left: 10329.735+/-1.780 χ^2/NDF: 918382.3/20

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9424.850+/-1.701 χ^2/NDF:1020379.5/25

Out: 9007.439+/-1.635 χ^2/NDF:1528807.2/28

All: 9207.917+/-1.179 χ^2/NDF: 2580482.9/54



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1639.042+/-3490.980 χ^2/NDF:15.3/10

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2920.503+/-3462.549 χ^2/NDF:4.0/9

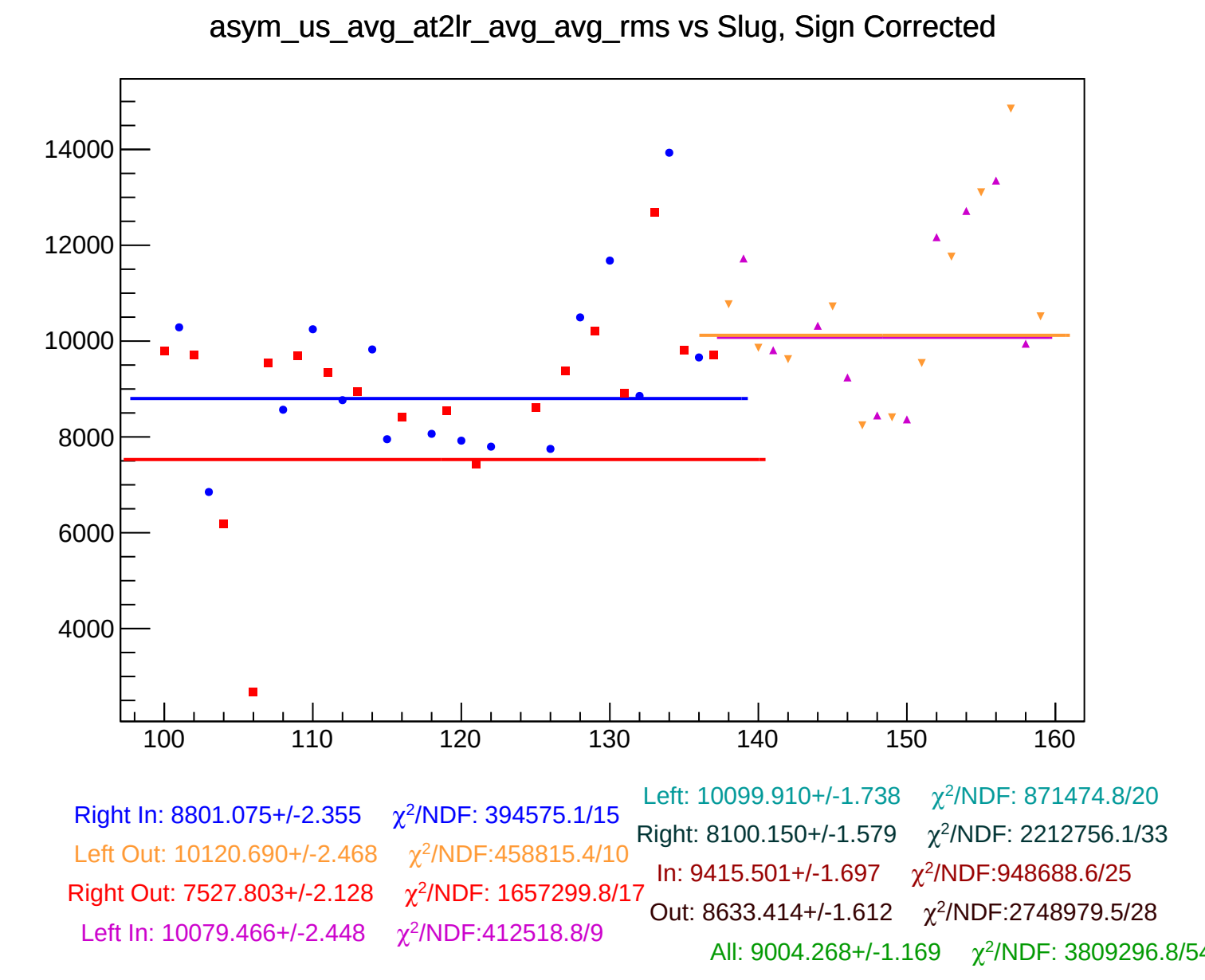
Left: 2285.012+/-2458.382 χ^2/NDF: 19.3/20

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

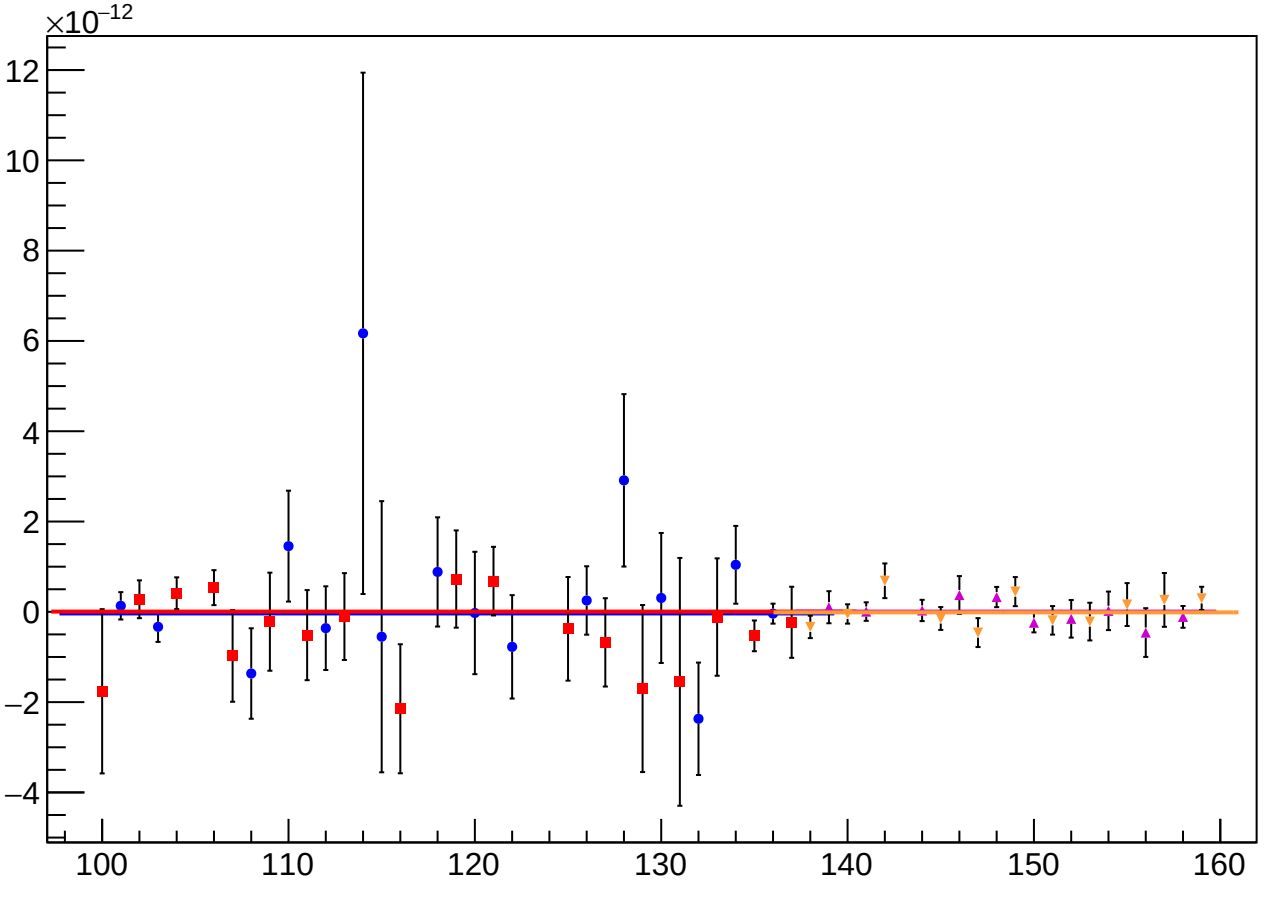
In: 5289.485+/-2400.500 χ^2/NDF:18.9/25

Out: 3088.022+/-2375.833 χ^2/NDF:29.9/28

All: 4177.384+/-1688.621 χ^2/NDF: 49.2/54


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 10120.690+/-2.468 χ²/NDF:458815.4/10
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 10079.466+/-2.448 χ²/NDF:412518.8/9
Left: 10099.910+/-1.738 χ²/NDF: 871474.8/20
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9415.501+/-1.697 χ²/NDF:948688.6/25
Out: 8633.414+/-1.612 χ²/NDF:2748979.5/28
All: 9004.268+/-1.169 χ²/NDF: 3809296.8/54

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:5.4/9

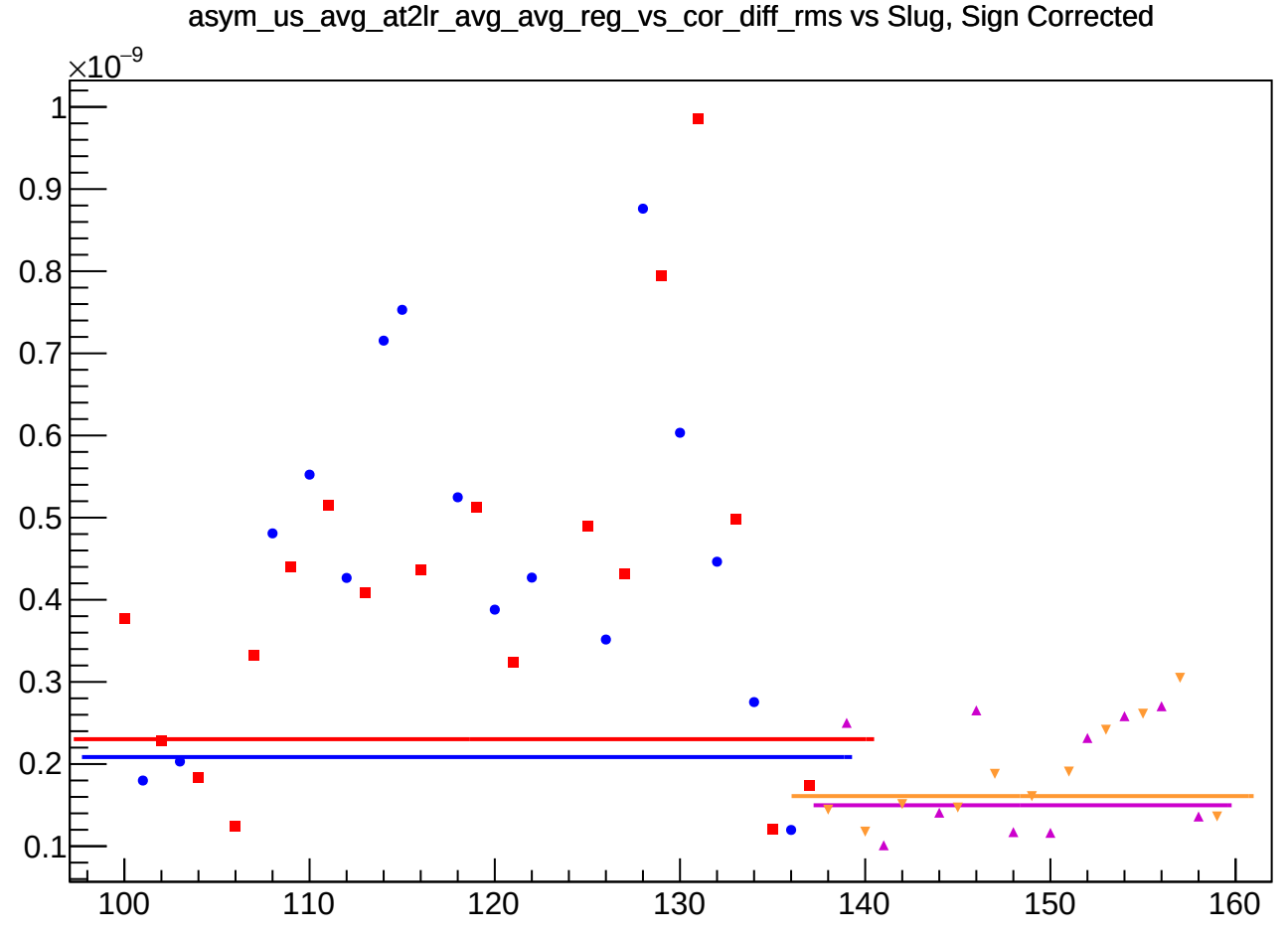
Left: -0.000+/-0.000 χ^2/NDF: 17.0/20

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:19.7/25

Out: -0.000+/-0.000 χ^2/NDF:25.4/28

All: -0.000+/-0.000 χ^2/NDF: 45.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:429315.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:831263.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1275963.9/20

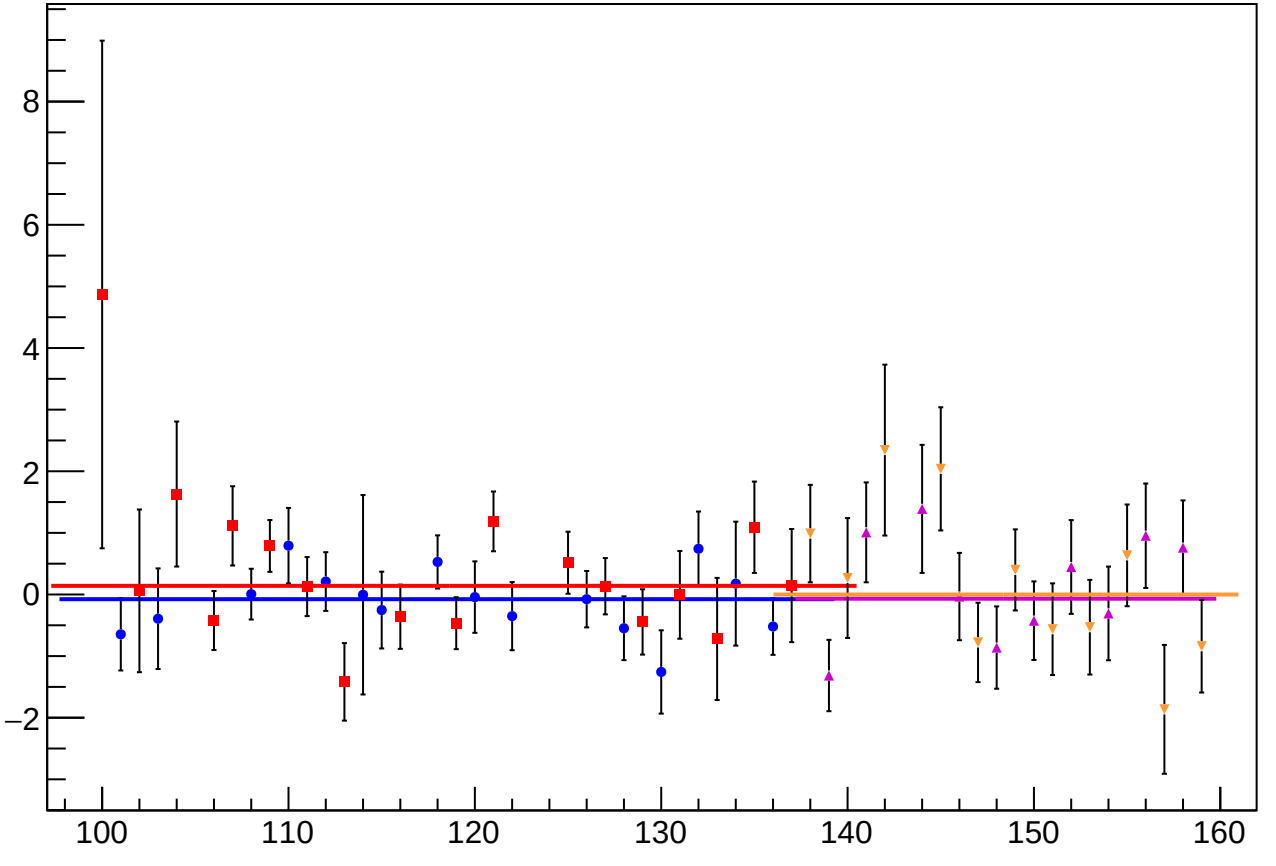
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2711075.0/25

Out: 0.000+/-0.000 χ^2/NDF:2282137.7/28

All: 0.000+/-0.000 χ^2/NDF: 5020043.8/54

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: -0.001+/-0.246 χ^2/NDF:16.5/10

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

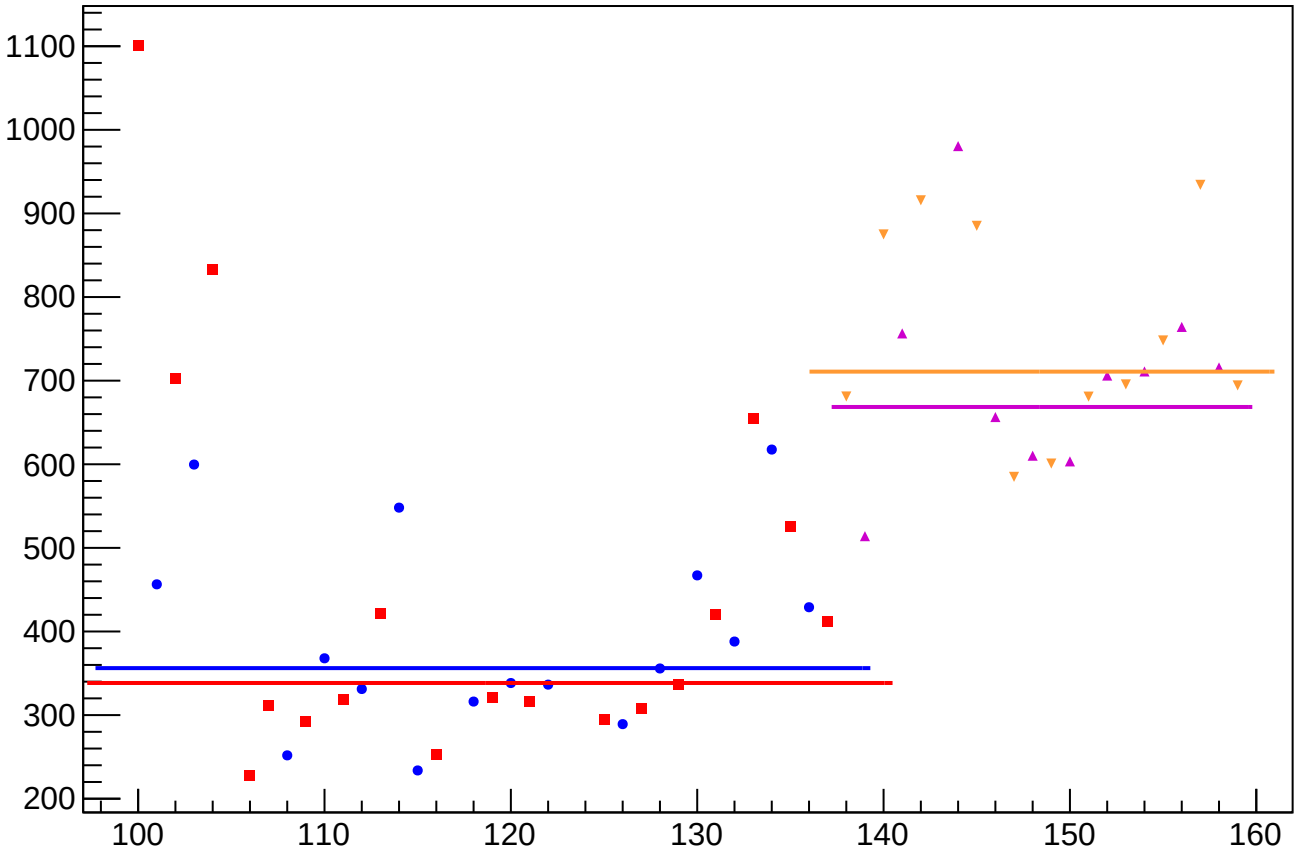
Left: -0.037+/-0.169 χ^2/NDF: 29.9/20

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.016+/-0.085 χ^2/NDF: 70.7/54



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 710.807+/-0.174 χ^2/NDF:396656.3/10

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

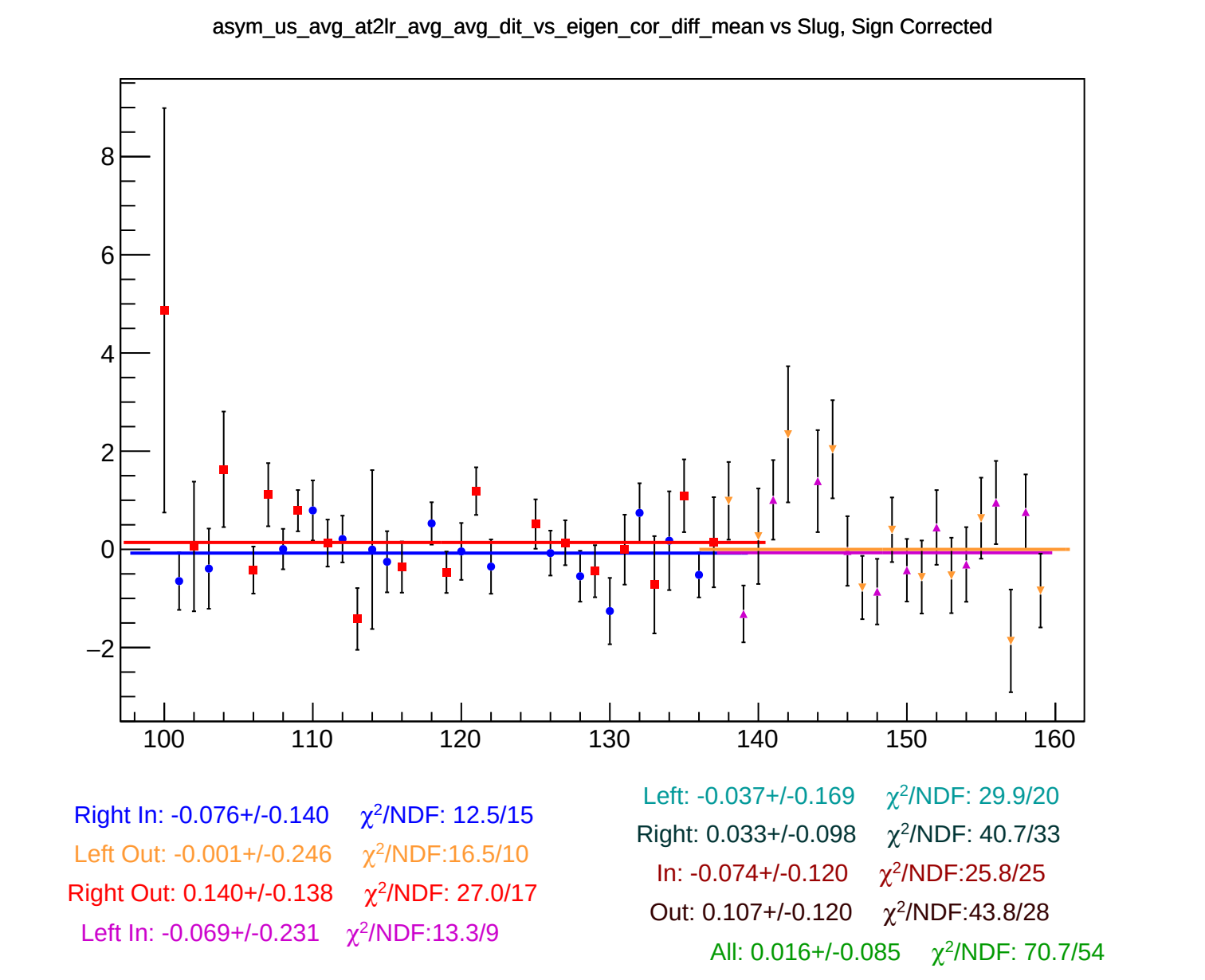
Left: 688.390+/-0.119 χ^2/NDF: 855154.5/20

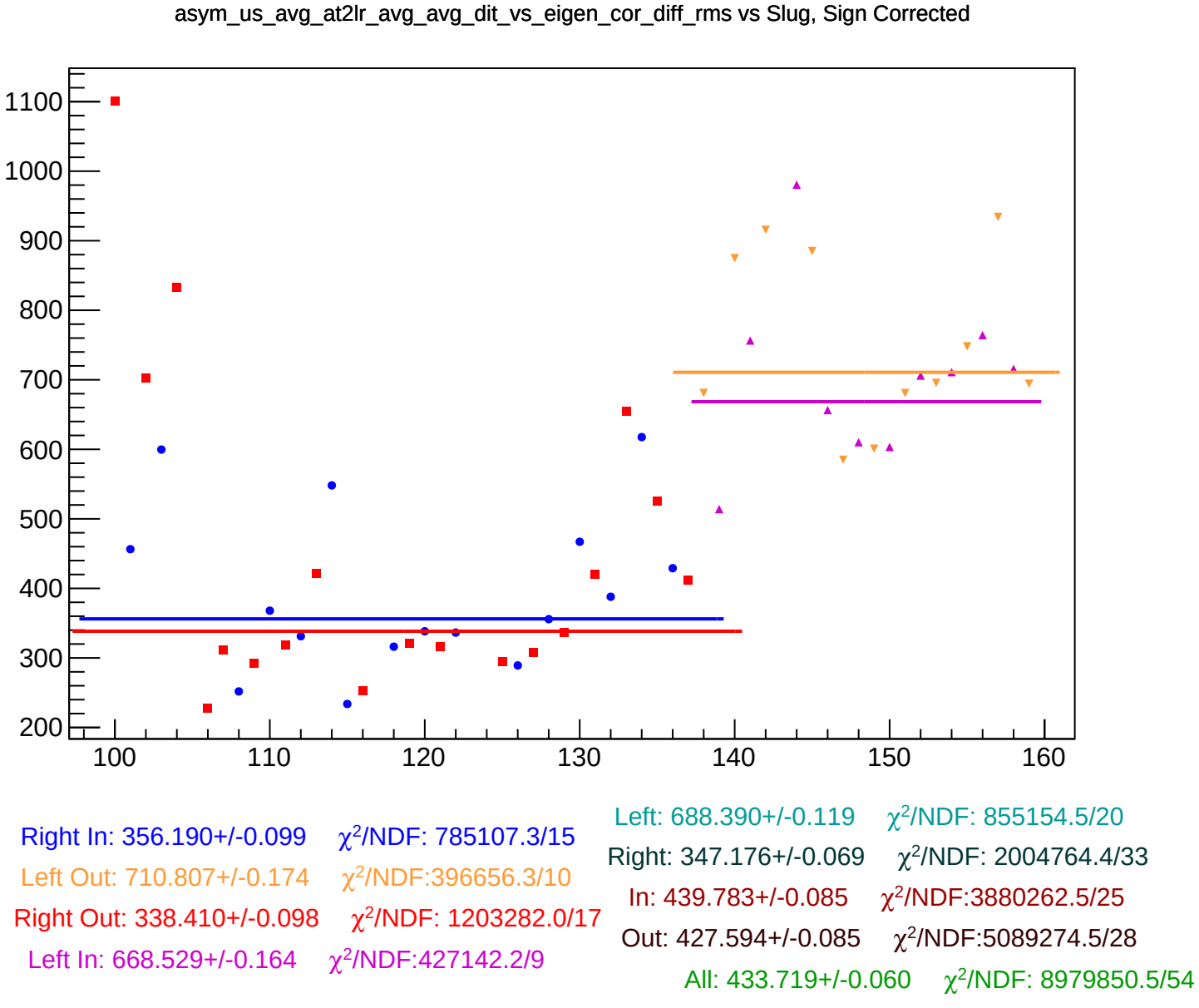
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

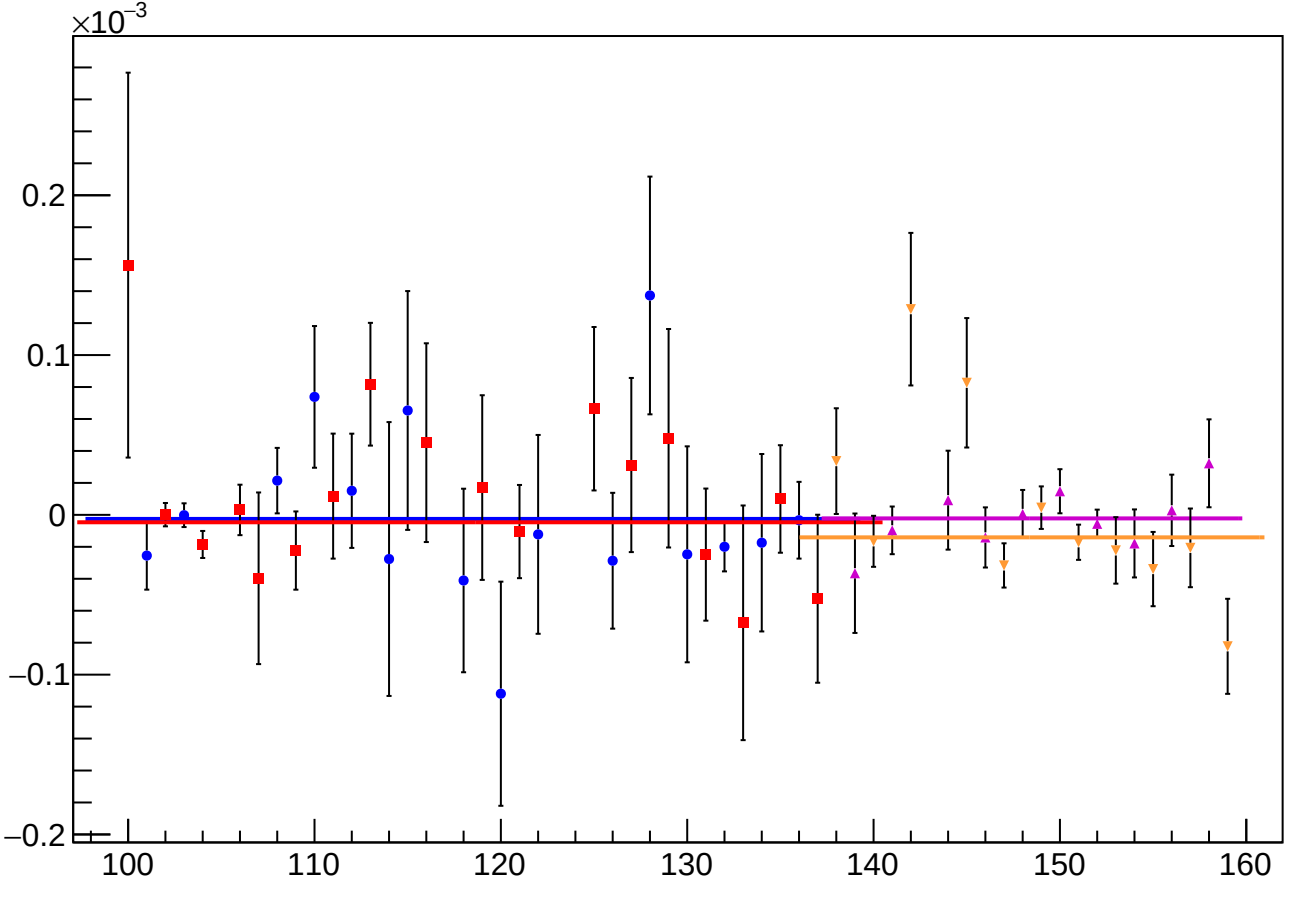
In: 439.783+/-0.085 χ^2/NDF:3880262.5/25

Out: 427.594+/-0.085 χ^2/NDF:5089274.5/28

All: 433.719+/-0.060 χ^2/NDF: 8979850.5/54


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.001+/-0.246 χ²/NDF:16.5/10
Right Out: 0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.069+/-0.231 χ²/NDF:13.3/9
Left: -0.037+/-0.169 χ²/NDF: 29.9/20
Right: 0.033+/-0.098 χ²/NDF: 40.7/33
In: -0.074+/-0.120 χ²/NDF:25.8/25
Out: 0.107+/-0.120 χ²/NDF:43.8/28
All: 0.016+/-0.085 χ²/NDF: 70.7/54


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 710.807+/-0.174 χ²/NDF:396656.3/10
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 668.529+/-0.164 χ²/NDF:427142.2/9
Left: 688.390+/-0.119 χ²/NDF: 855154.5/20
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 439.783+/-0.085 χ²/NDF:3880262.5/25
Out: 427.594+/-0.085 χ²/NDF:5089274.5/28
All: 433.719+/-0.060 χ²/NDF: 8979850.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.5/9

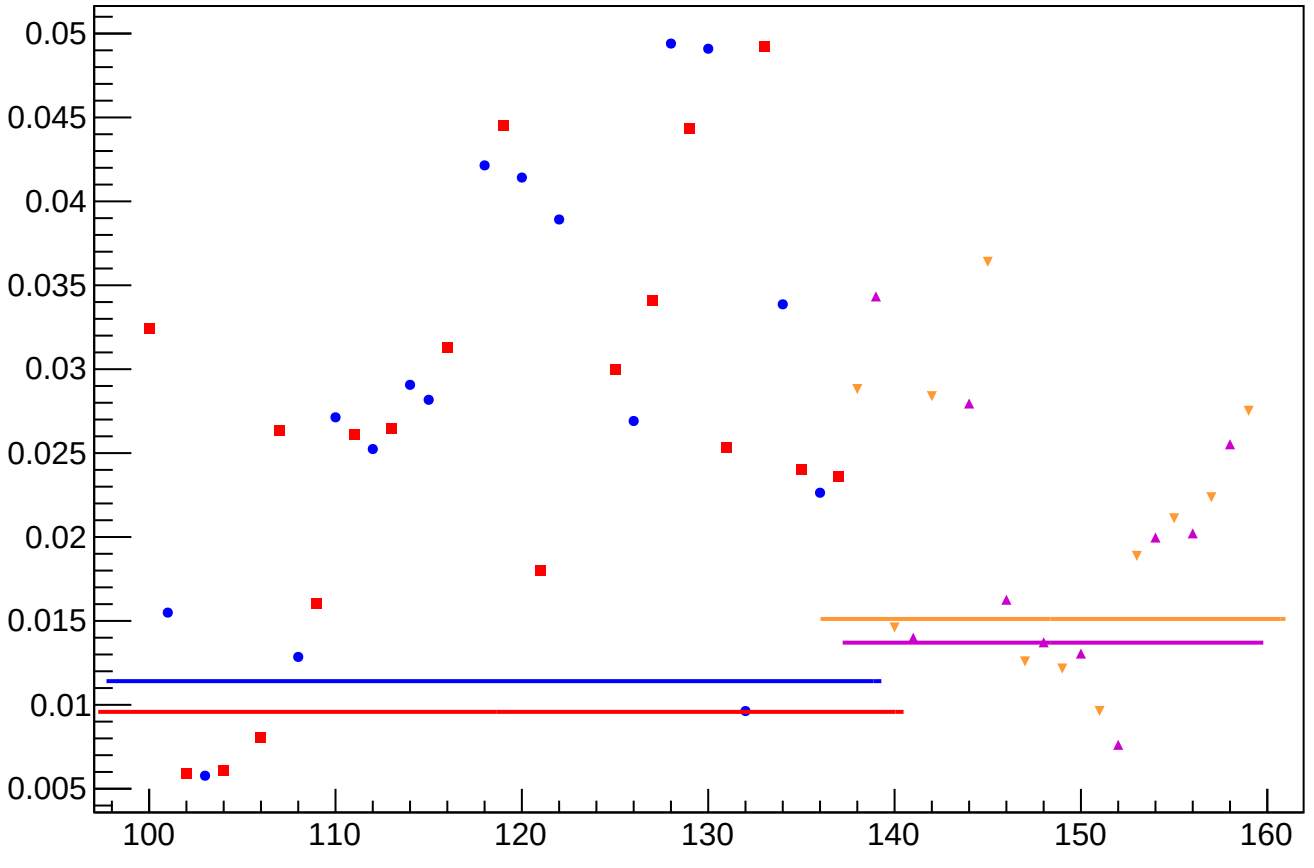
Left: -0.000+/-0.000 χ^2/NDF: 34.5/20

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:20.5/25

Out: -0.000+/-0.000 χ^2/NDF:45.4/28

All: -0.000+/-0.000 χ^2/NDF: 67.3/54



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:2431878.3/10

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:2730104.6/9

Left: 0.014+/-0.000 χ^2/NDF: 5230468.5/20

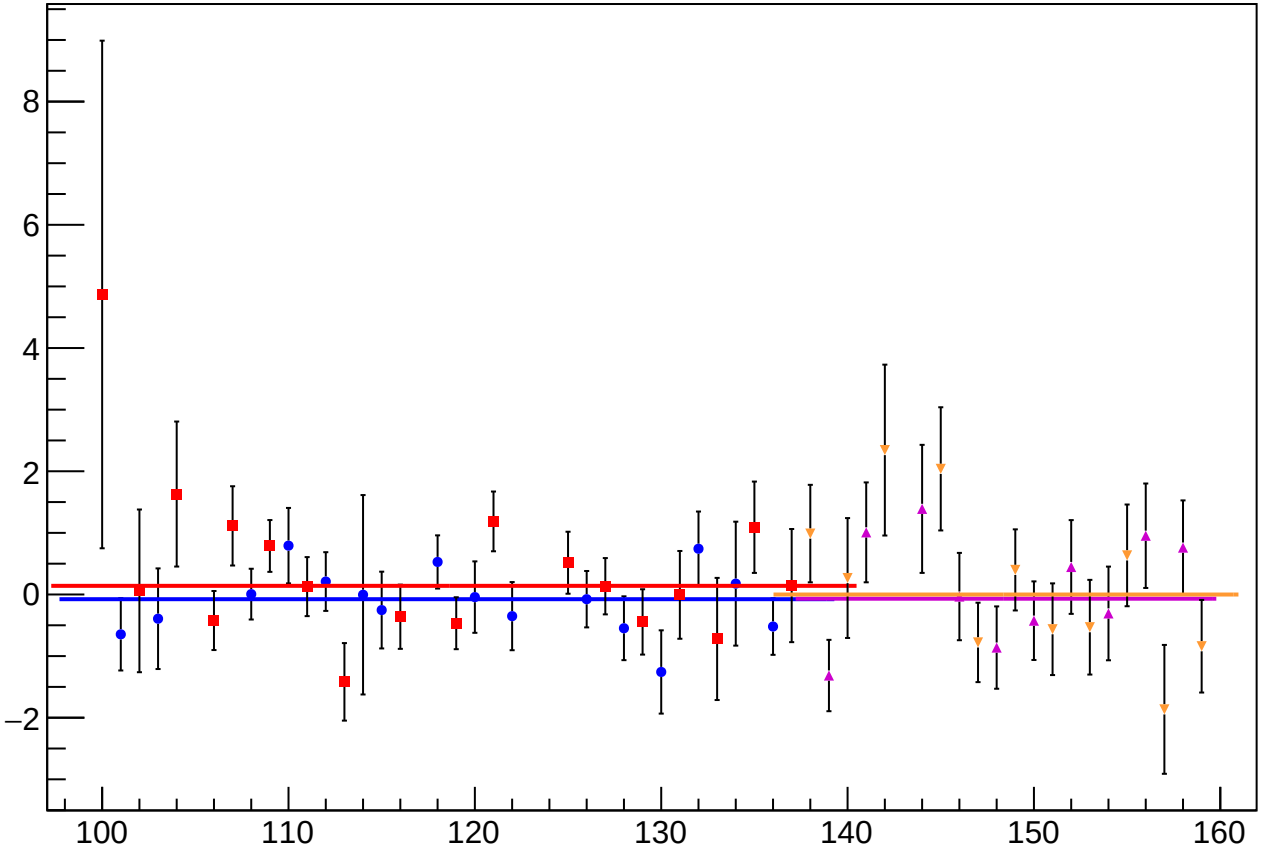
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:8412211.3/25

Out: 0.012+/-0.000 χ^2/NDF:9363024.3/28

All: 0.012+/-0.000 χ^2/NDF: 17816421.9/54

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: -0.001+/-0.246 χ^2/NDF:16.5/10

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

Left: -0.037+/-0.169 χ^2/NDF: 29.9/20

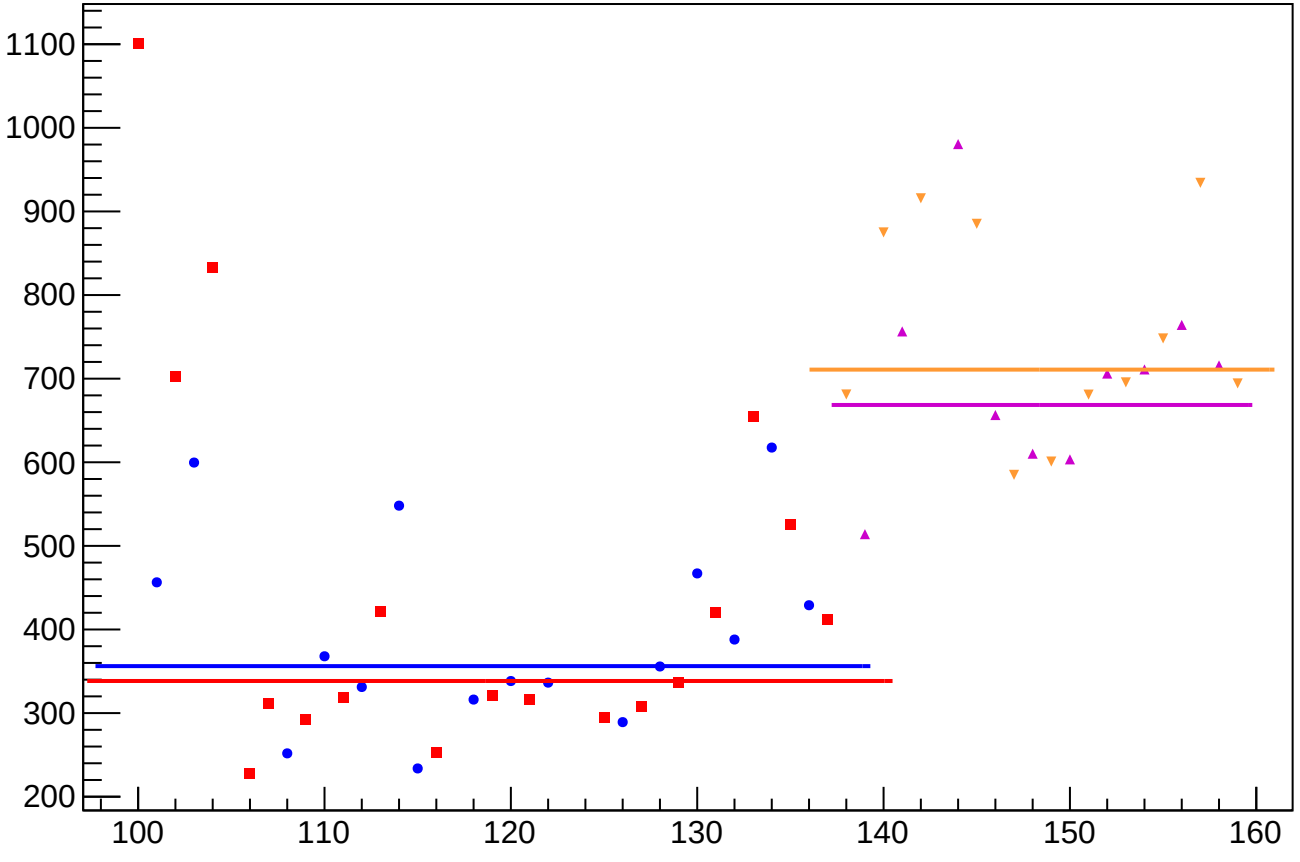
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.016+/-0.085 χ^2/NDF: 70.7/54

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: 710.816+/-0.174 χ^2/NDF:396666.3/10

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

Left: 688.399+/-0.119 χ^2/NDF: 855152.1/20

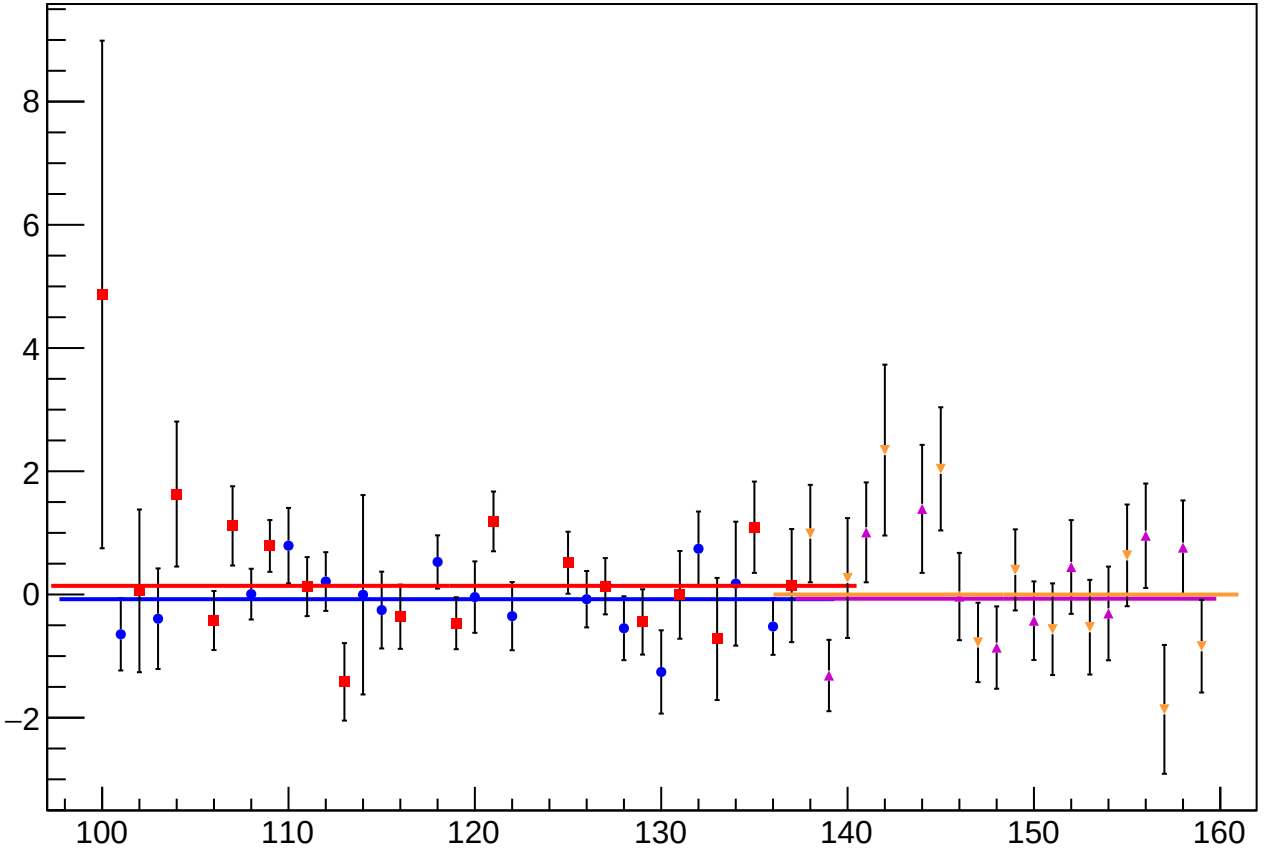
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 439.782+/-0.085 χ^2/NDF:3880363.8/25

Out: 427.592+/-0.085 χ^2/NDF:5089417.5/28

All: 433.717+/-0.060 χ^2/NDF: 8980097.0/54

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: -0.001+/-0.246 χ^2/NDF:16.5/10

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

Left: -0.037+/-0.169 χ^2/NDF: 29.9/20

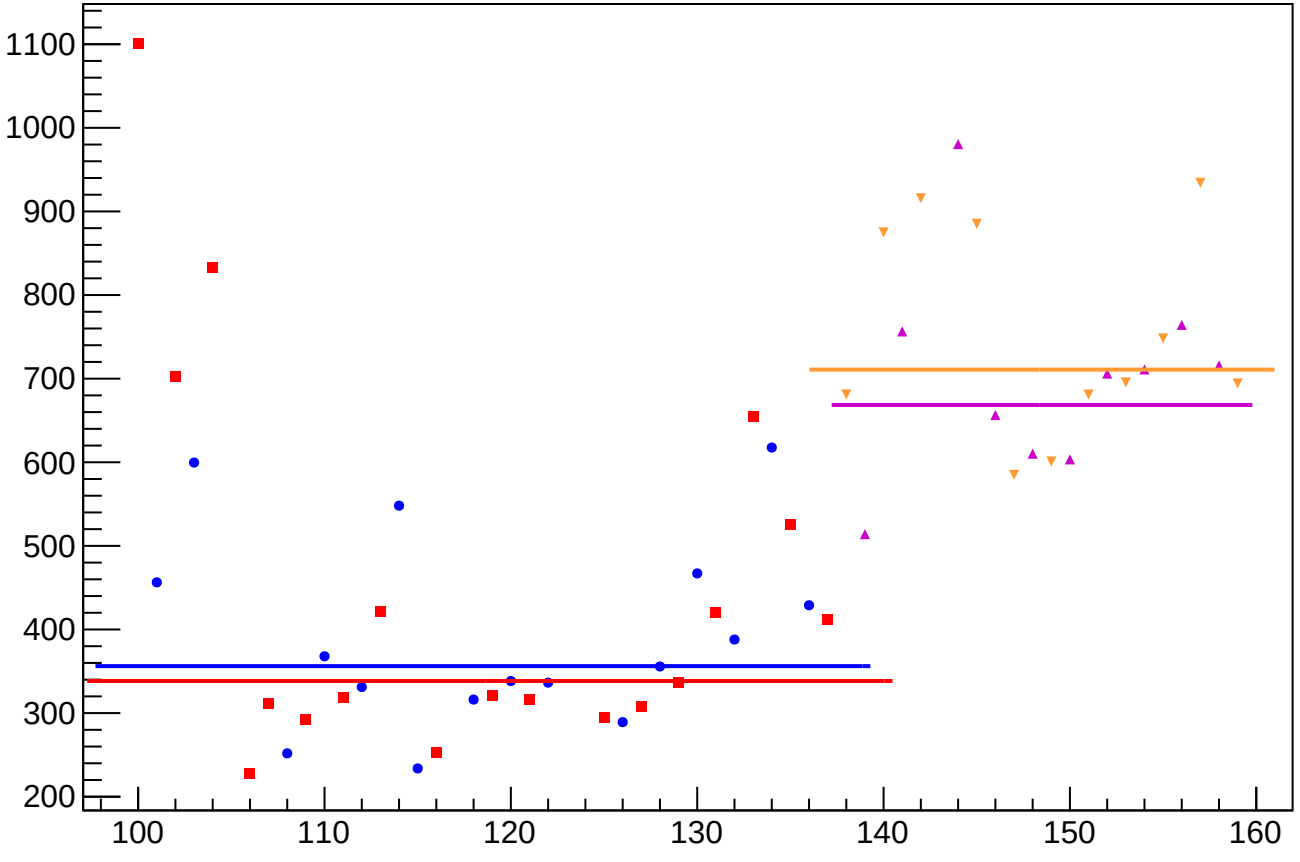
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.016+/-0.085 χ^2/NDF: 70.7/54

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: 710.816+/-0.174 χ^2/NDF:396666.3/10

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

Left: 688.399+/-0.119 χ^2/NDF: 855152.1/20

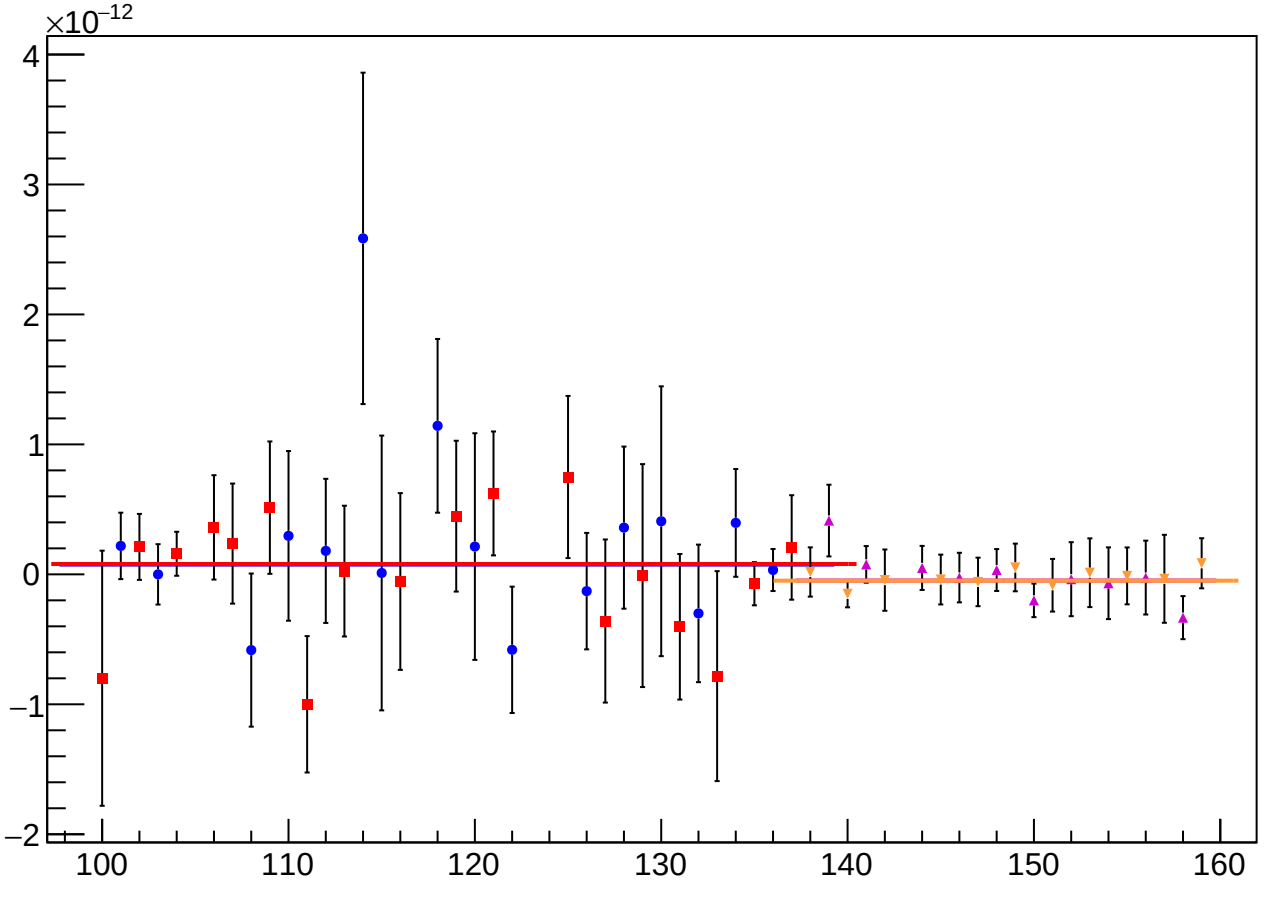
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 439.782+/-0.085 χ^2/NDF:3880363.8/25

Out: 427.592+/-0.085 χ^2/NDF:5089417.5/28

All: 433.717+/-0.060 χ^2/NDF: 8980097.0/54

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:2.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/9

Left: -0.000+/-0.000 χ^2/NDF: 10.5/20

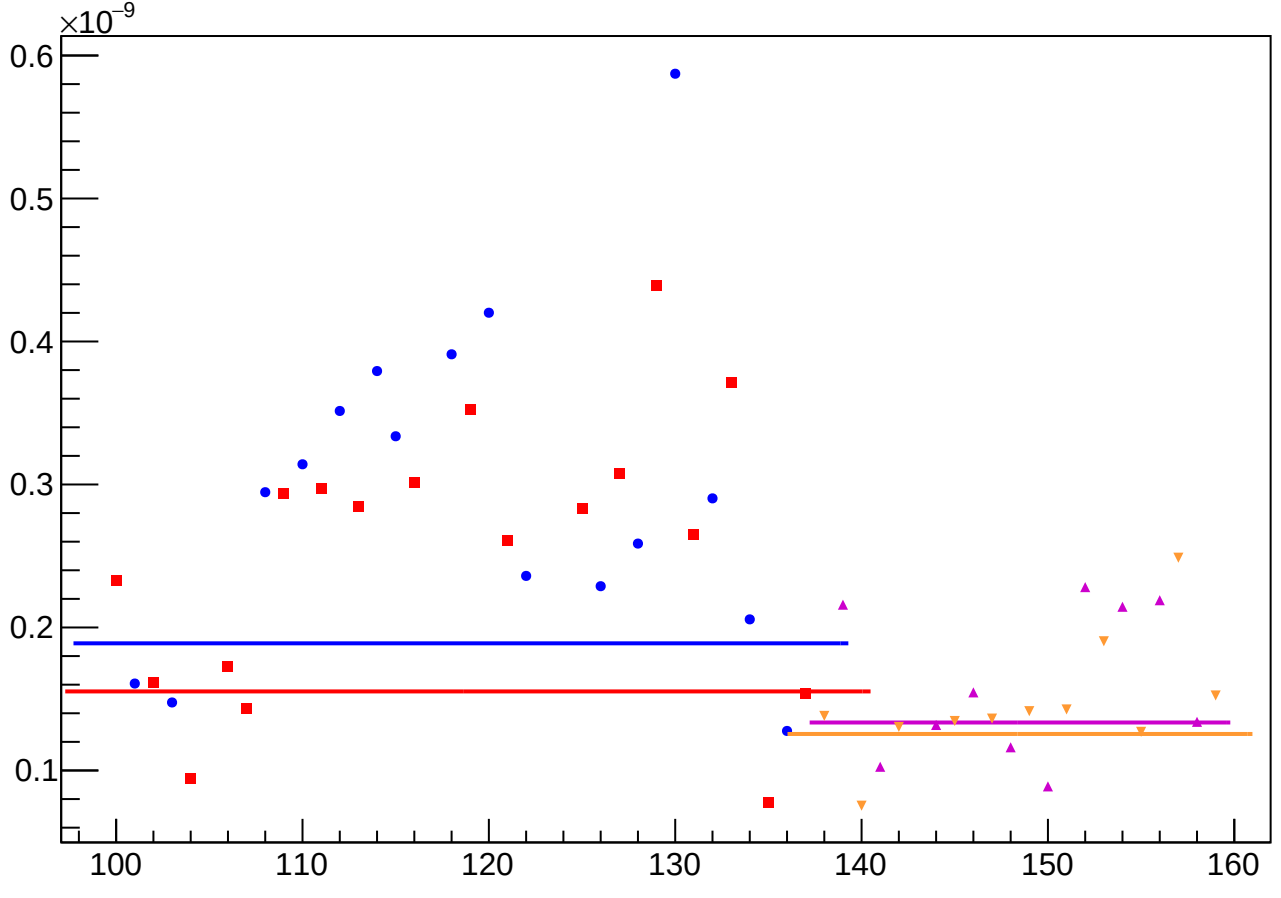
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:21.5/25

Out: -0.000+/-0.000 χ^2/NDF:16.6/28

All: -0.000+/-0.000 χ^2/NDF: 38.2/54

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:941035.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1136631.0/9

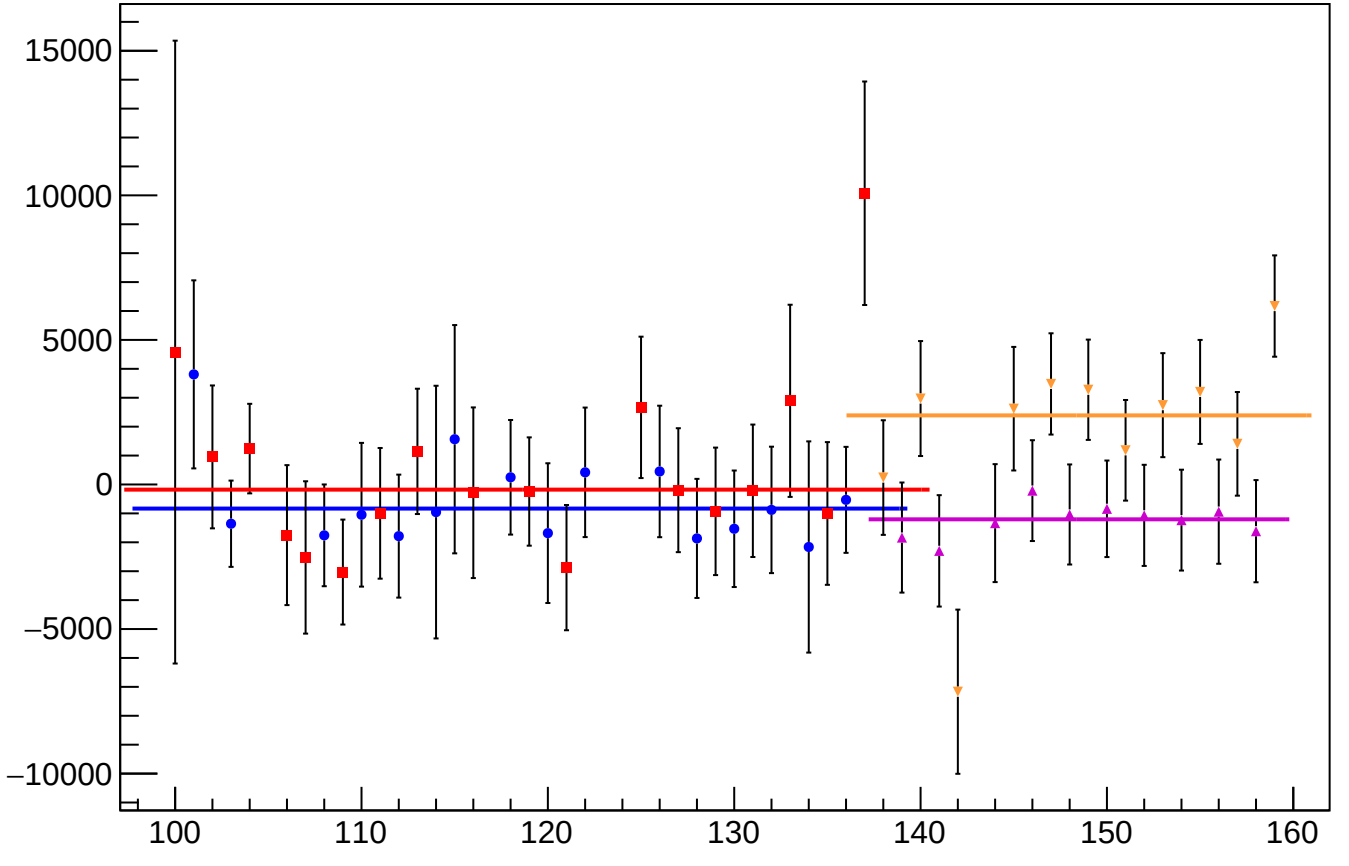
Left: 0.000+/-0.000 χ^2/NDF: 2097521.5/20

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3142466.3/25

Out: 0.000+/-0.000 χ^2/NDF:3311415.9/28

All: 0.000+/-0.000 χ^2/NDF: 6535279.8/54



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2389.964+/-568.498 χ^2/NDF:18.9/10

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1205.459+/-568.795 χ^2/NDF:0.9/9

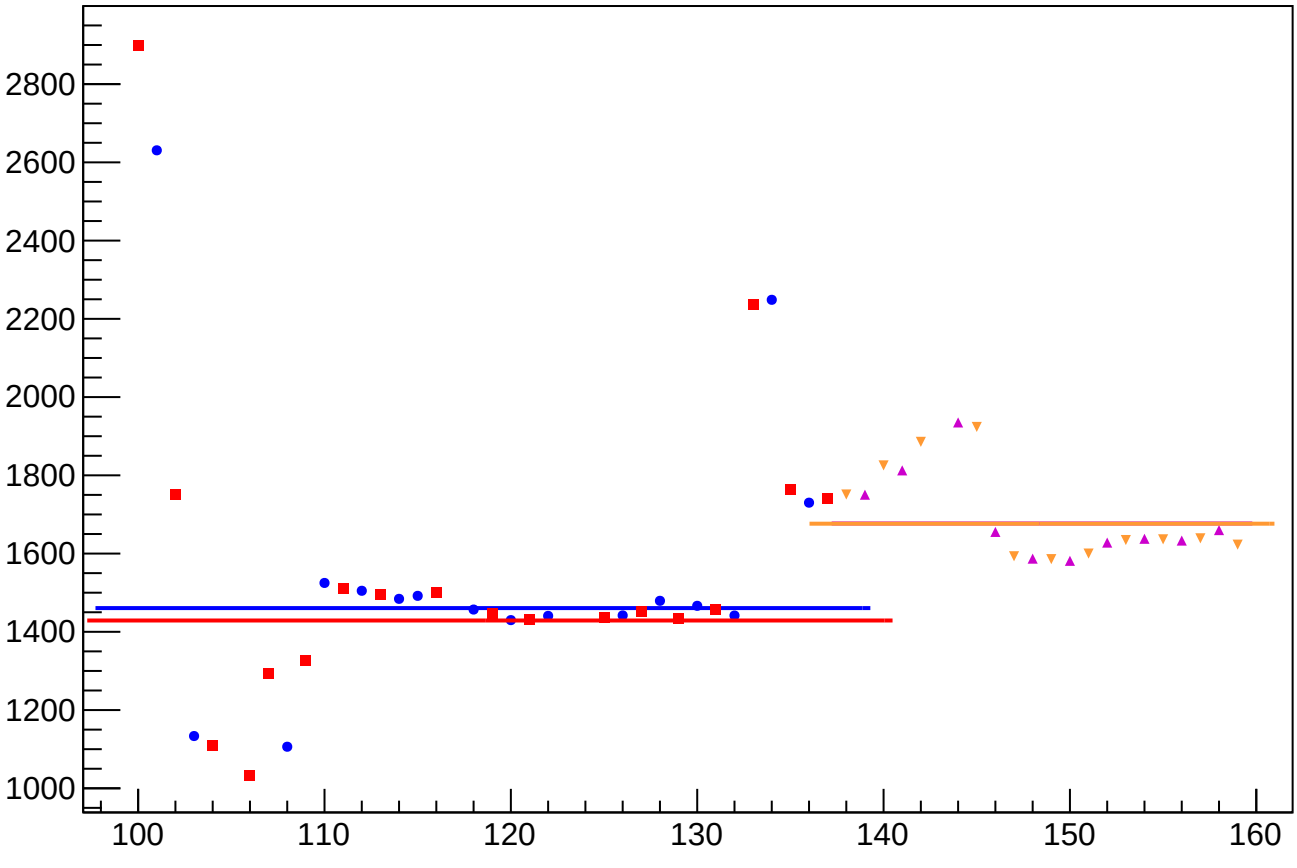
Left: 593.191+/-402.094 χ^2/NDF: 39.8/20

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1014.848+/-397.170 χ^2/NDF:5.7/25

Out: 1058.287+/-394.476 χ^2/NDF:46.0/28

All: 28.775+/-279.885 χ^2/NDF: 65.4/54



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1676.375+/-0.402 χ^2/NDF:70349.8/10

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

Left: 1676.648+/-0.284 χ^2/NDF: 131486.8/20

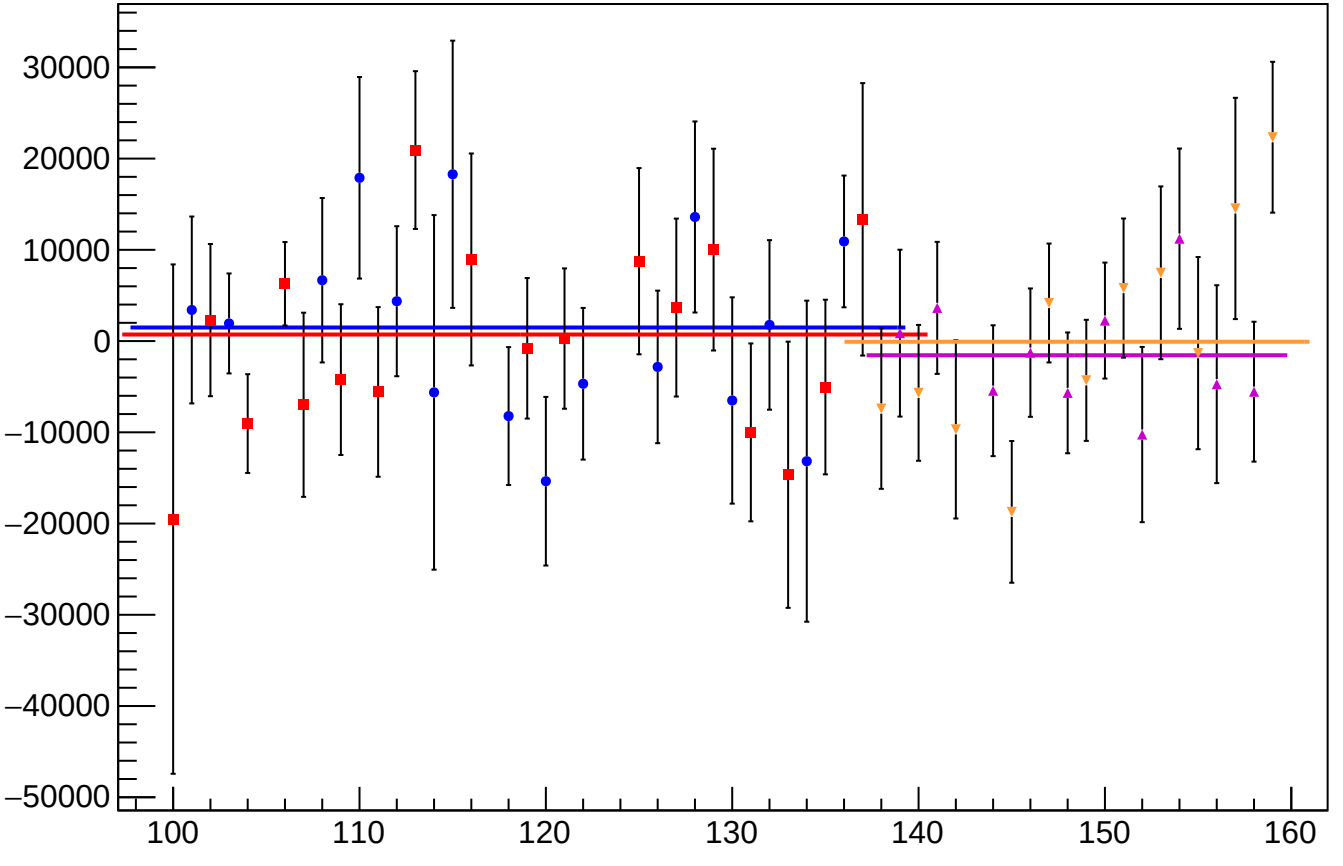
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1566.100+/-0.281 χ^2/NDF:785032.6/25

Out: 1547.161+/-0.278 χ^2/NDF:679476.9/28

All: 1556.530+/-0.198 χ^2/NDF: 1466807.6/54

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: -75.094+/-2476.255 χ^2/NDF:18.9/10

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1553.202+/-2462.731 χ^2/NDF:4.5/9

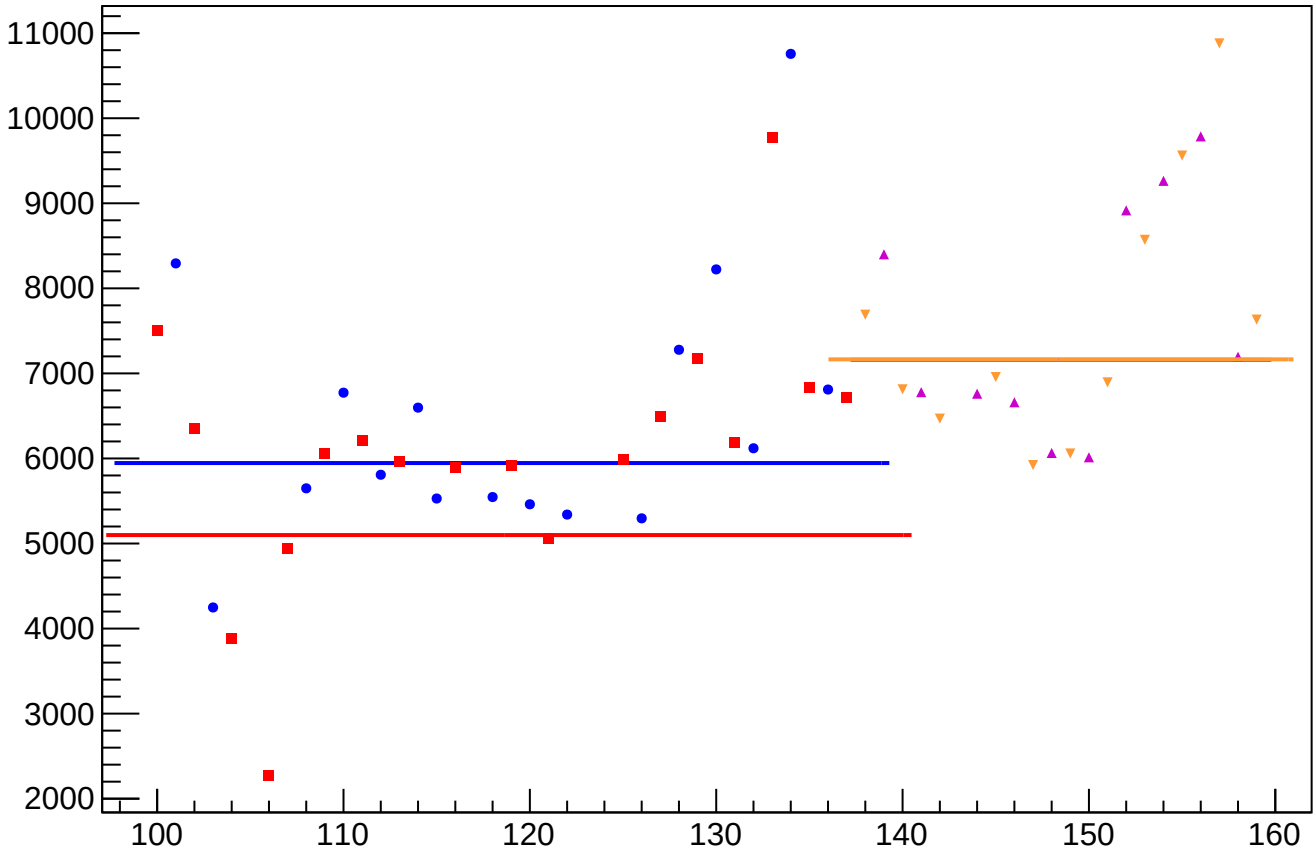
Left: -818.195+/-1746.176 χ^2/NDF: 23.5/20

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 92.049+/-1668.331 χ^2/NDF:19.5/25

Out: 404.009+/-1561.322 χ^2/NDF:36.5/28

All: 258.354+/-1139.975 χ^2/NDF: 55.9/54



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7165.081+/-1.751 χ^2/NDF:495789.4/10

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7159.394+/-1.741 χ^2/NDF:453325.8/9

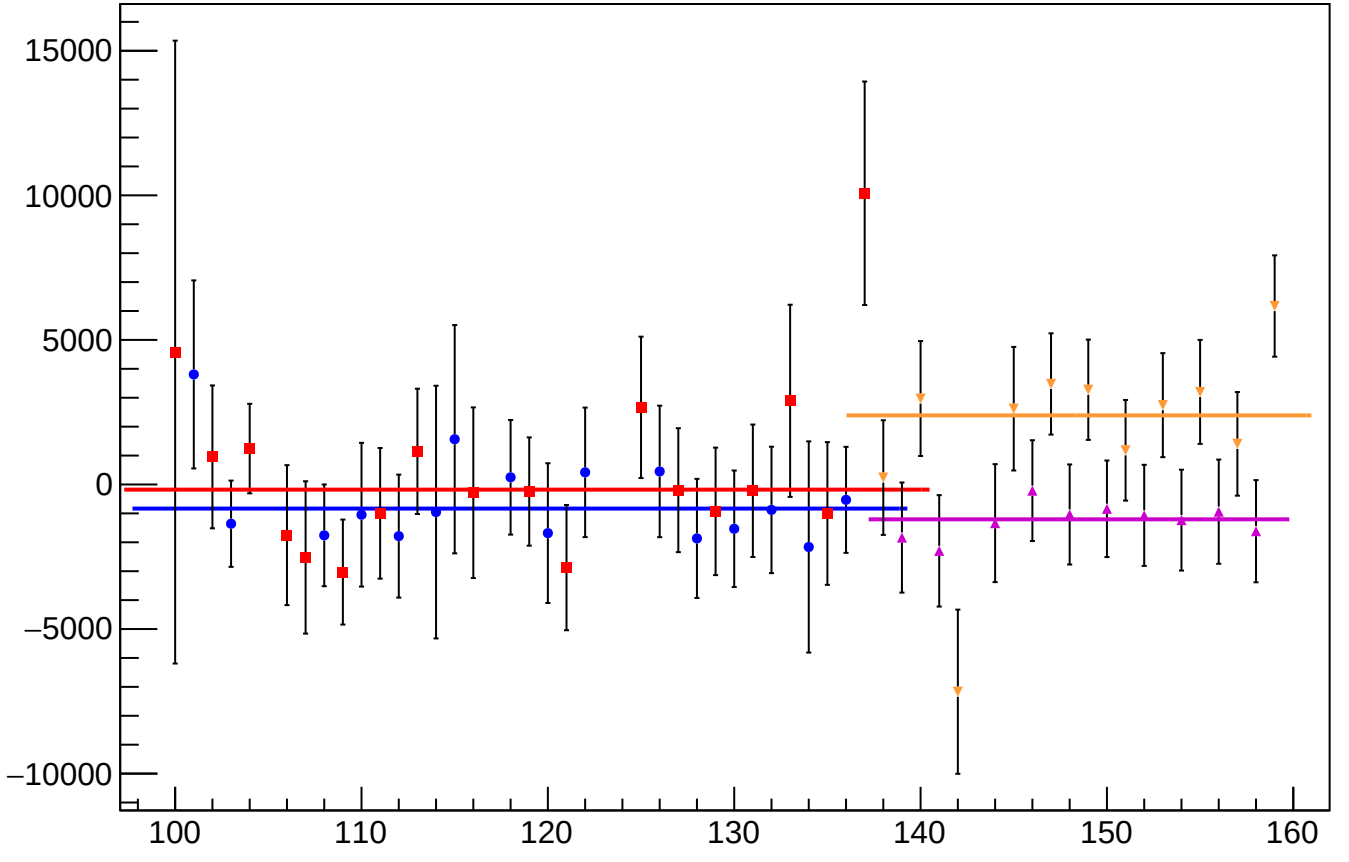
Left: 7162.222+/-1.235 χ^2/NDF: 949120.5/20

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6502.885+/-1.180 χ^2/NDF:1357126.9/25

Out: 5920.601+/-1.104 χ^2/NDF:2814643.1/28

All: 6192.471+/-0.806 χ^2/NDF: 4301650.0/54



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2389.986+/-568.498 χ^2/NDF:18.9/10

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1205.522+/-568.795 χ^2/NDF:0.9/9

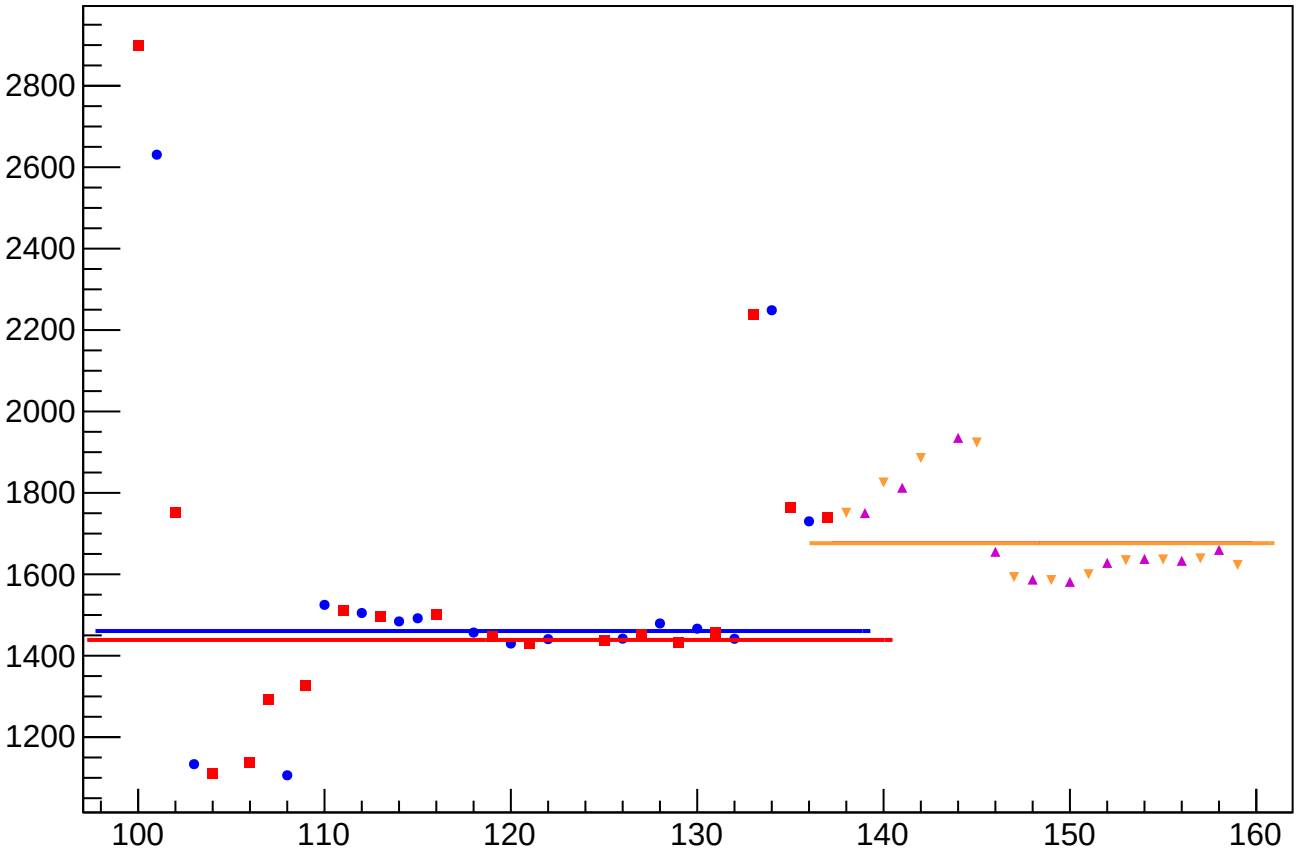
Left: 593.170+/-402.094 χ^2/NDF: 39.8/20

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1014.911+/-397.170 χ^2/NDF:5.7/25

Out: 1058.381+/-394.476 χ^2/NDF:46.0/28

All: 28.791+/-279.885 χ^2/NDF: 65.4/54



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1676.375+/-0.402 χ^2/NDF:70349.8/10

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

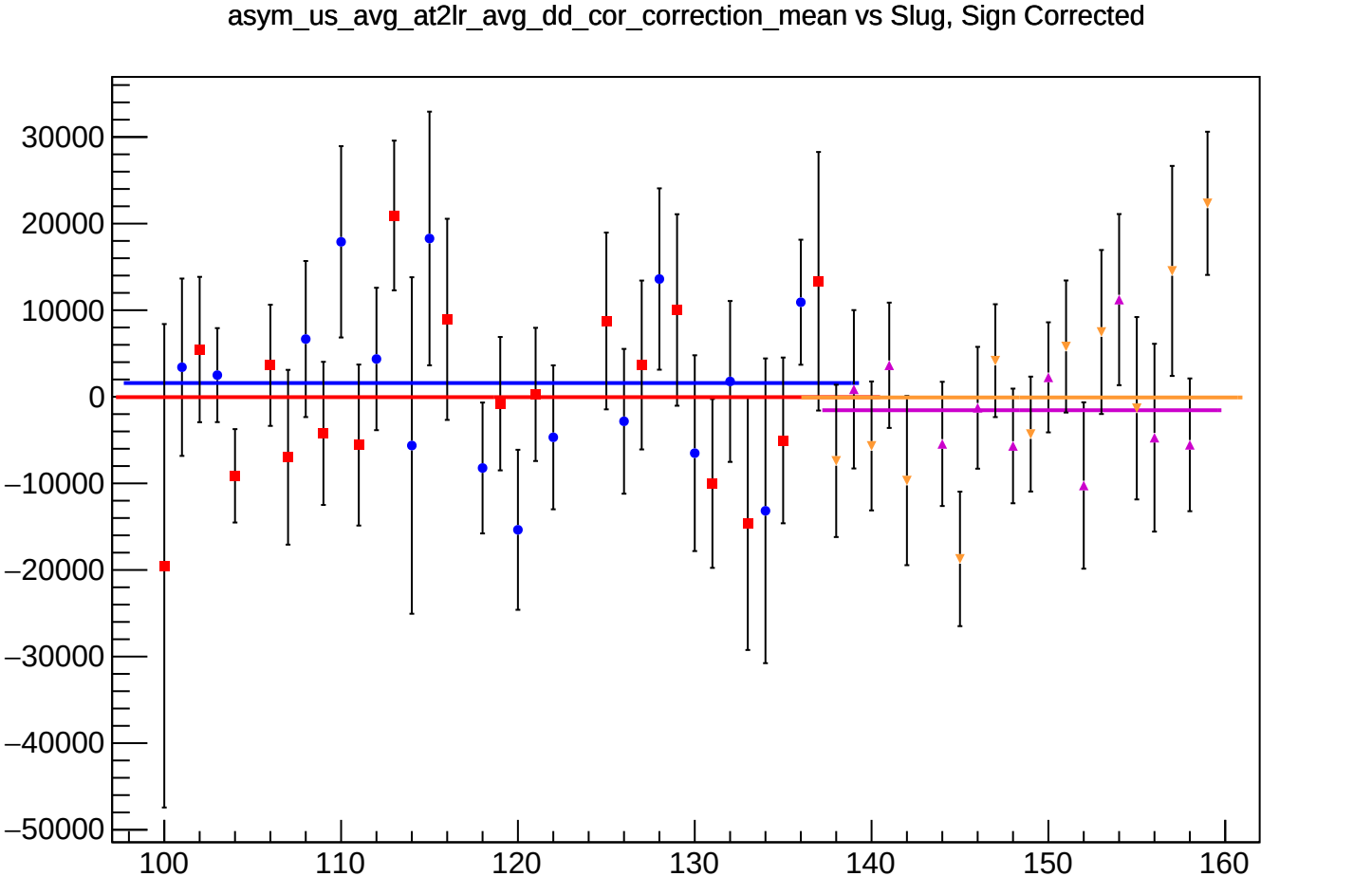
Left: 1676.648+/-0.284 χ^2/NDF: 131486.8/20

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1566.100+/-0.281 χ^2/NDF:785033.0/25

Out: 1552.899+/-0.279 χ^2/NDF:625285.4/28

All: 1559.447+/-0.198 χ^2/NDF: 1411432.2/54



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -75.091+/-2476.253 χ^2/NDF:18.9/10

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1553.282+/-2462.729 χ^2/NDF:4.5/9

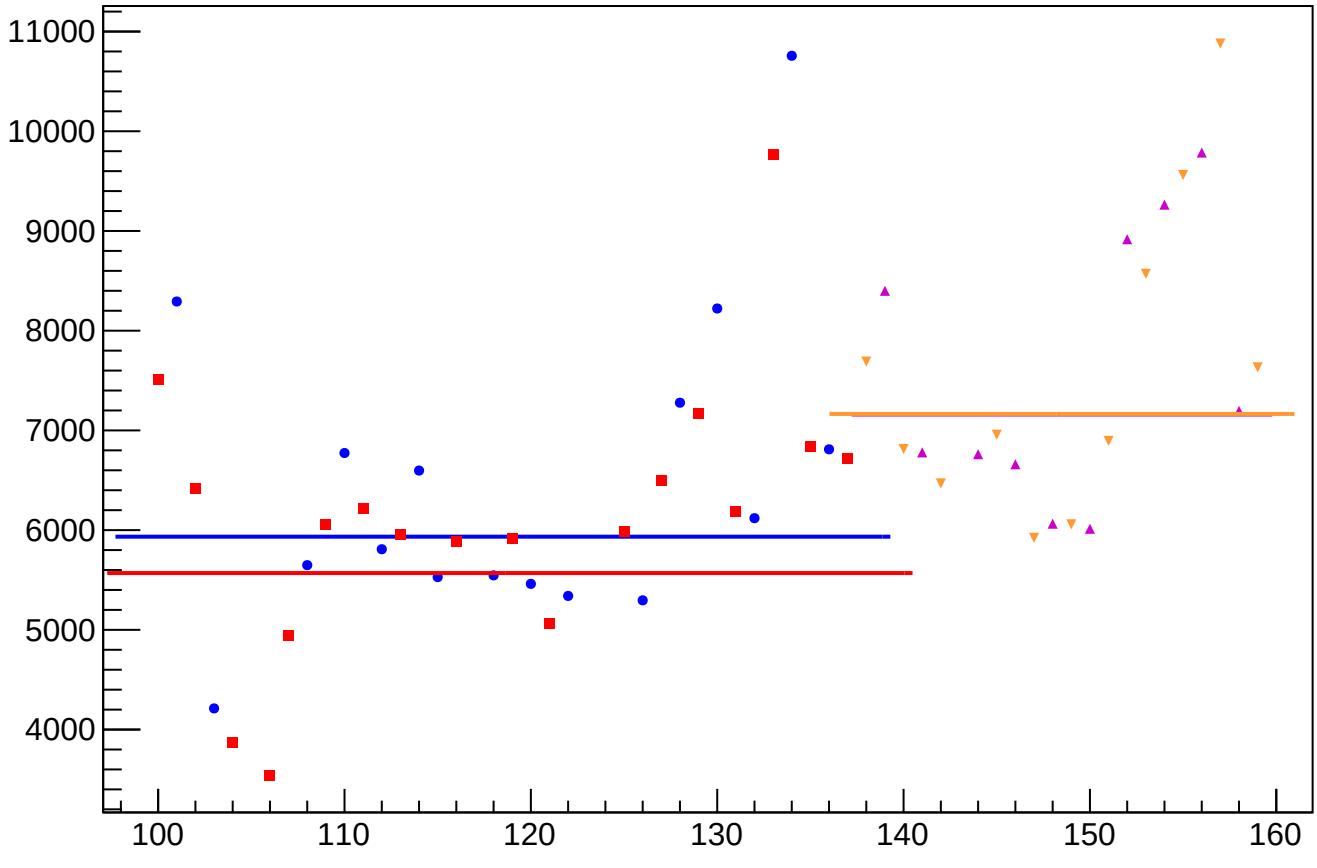
Left: -818.234+/-1746.175 χ^2/NDF: 23.5/20

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 149.373+/-1666.829 χ^2/NDF:19.6/25

Out: -55.316+/-1616.121 χ^2/NDF:35.3/28

All: 43.868+/-1160.283 χ^2/NDF: 54.9/54



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7165.077+/-1.751 χ^2/NDF:495788.5/10

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

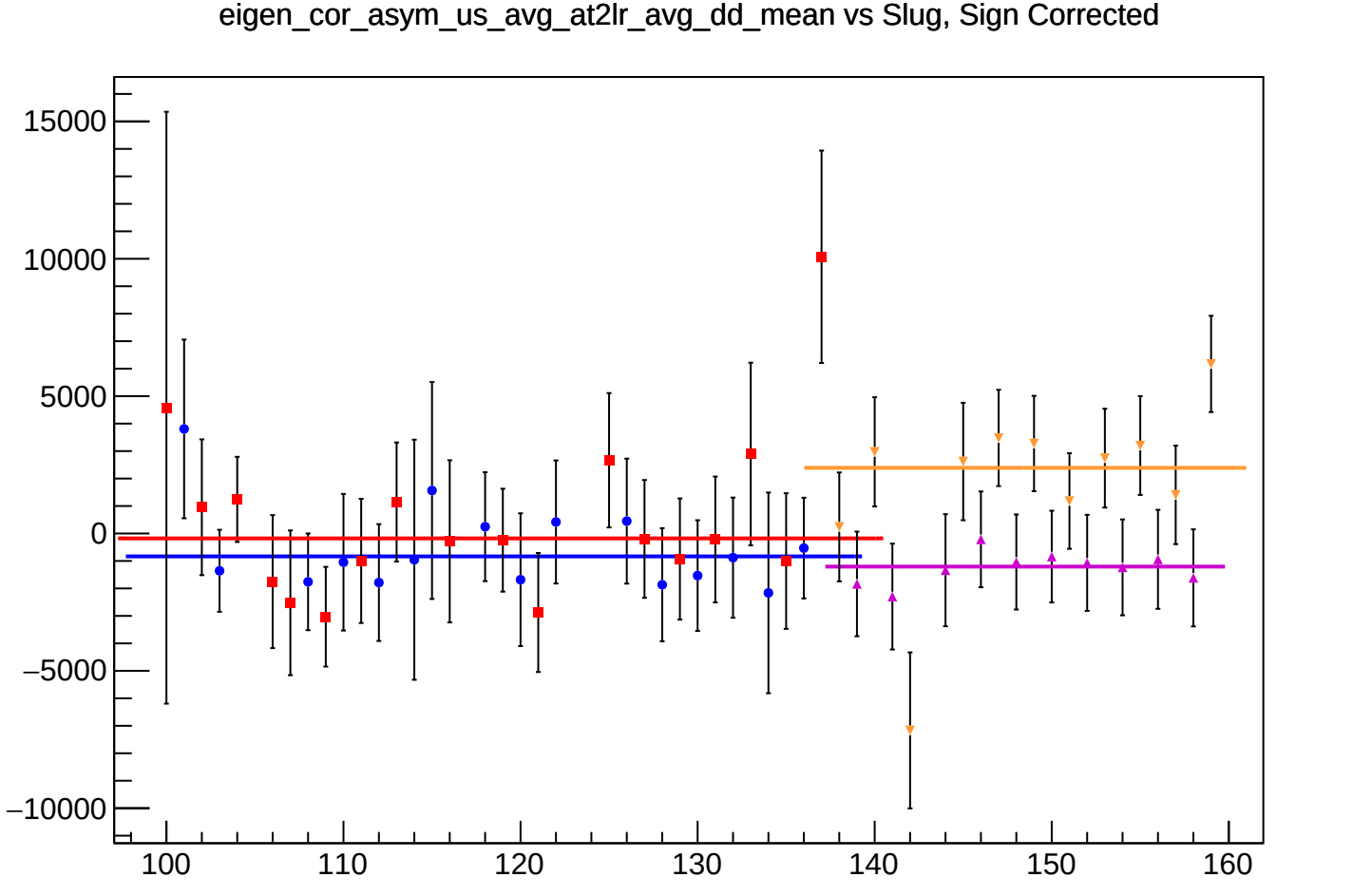
Left: 7162.217+/-1.235 χ^2/NDF: 949121.6/20

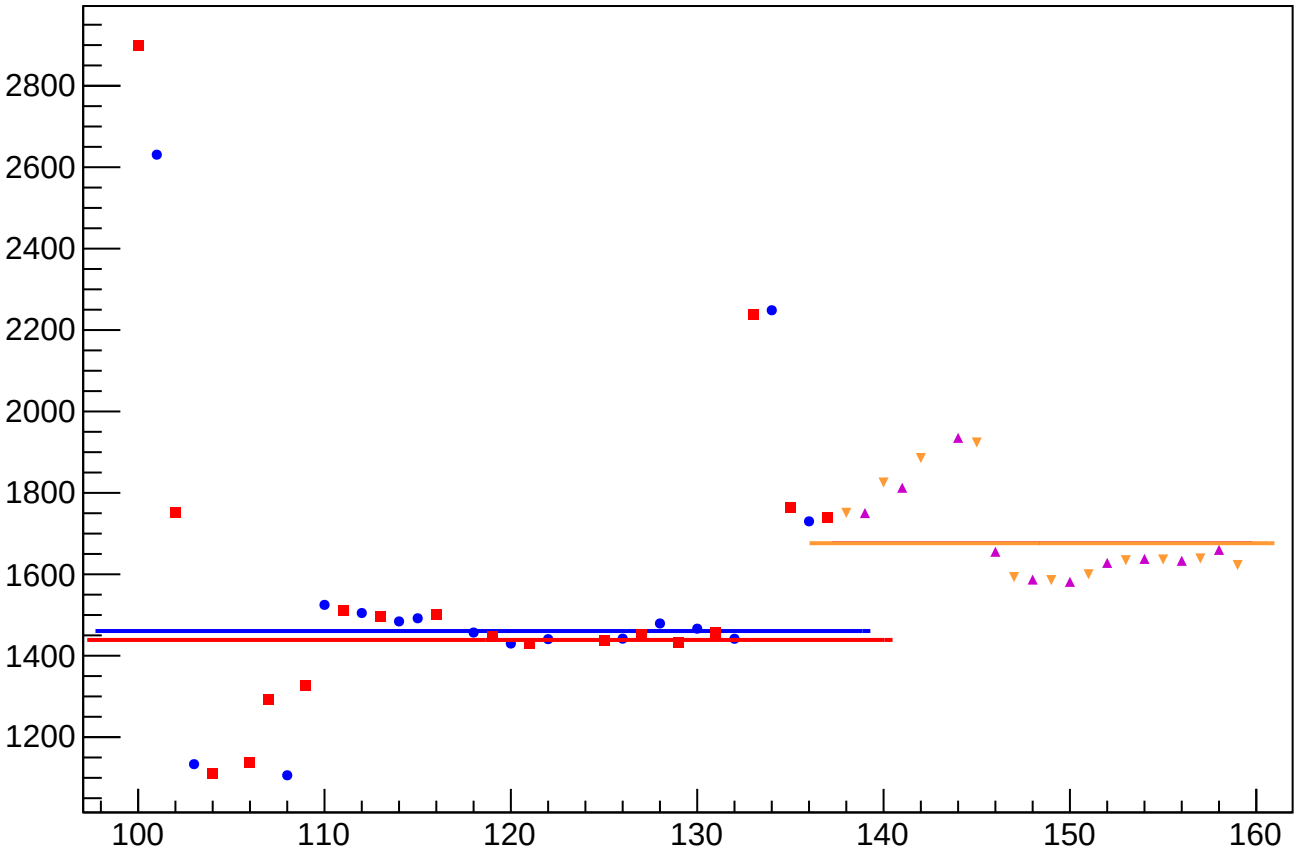
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6495.449+/-1.179 χ^2/NDF:1374651.9/25

Out: 6249.195+/-1.143 χ^2/NDF:1696452.3/28

All: 6368.519+/-0.820 χ^2/NDF: 3093604.7/54


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
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 2389.986+/-568.498 χ²/NDF:18.9/10
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1205.522+/-568.795 χ²/NDF:0.9/9
Left: 593.170+/-402.094 χ²/NDF: 39.8/20
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1014.911+/-397.170 χ²/NDF:5.7/25
Out: 1058.381+/-394.476 χ²/NDF:46.0/28
All: 28.791+/-279.885 χ²/NDF: 65.4/54



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1676.375+/-0.402 χ^2/NDF:70349.8/10

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

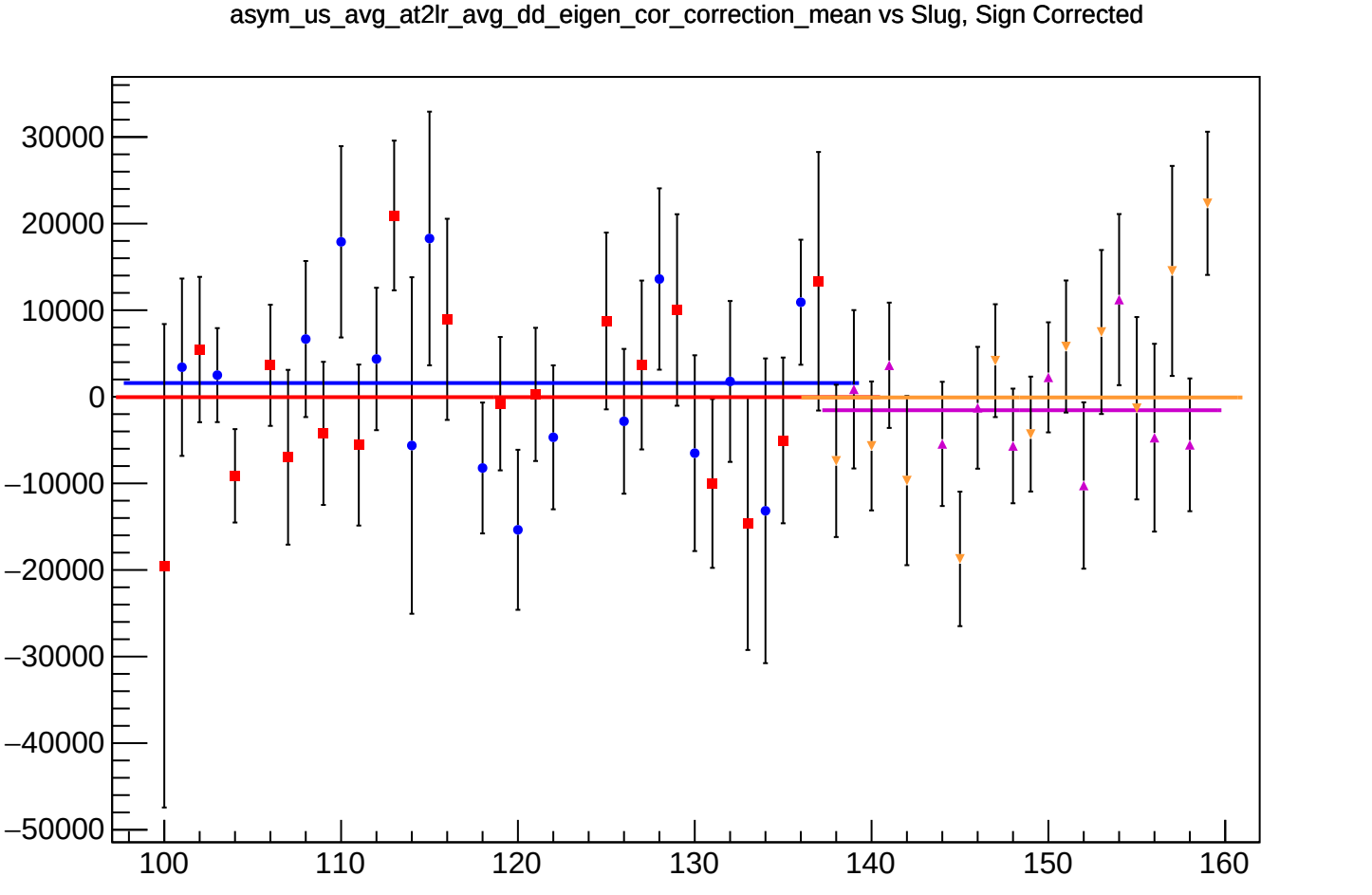
Left: 1676.648+/-0.284 χ^2/NDF: 131486.8/20

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1566.100+/-0.281 χ^2/NDF:785033.0/25

Out: 1552.899+/-0.279 χ^2/NDF:625285.4/28

All: 1559.447+/-0.198 χ^2/NDF: 1411432.2/54



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -75.091+/-2476.253 χ^2/NDF:18.9/10

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1553.282+/-2462.729 χ^2/NDF:4.5/9

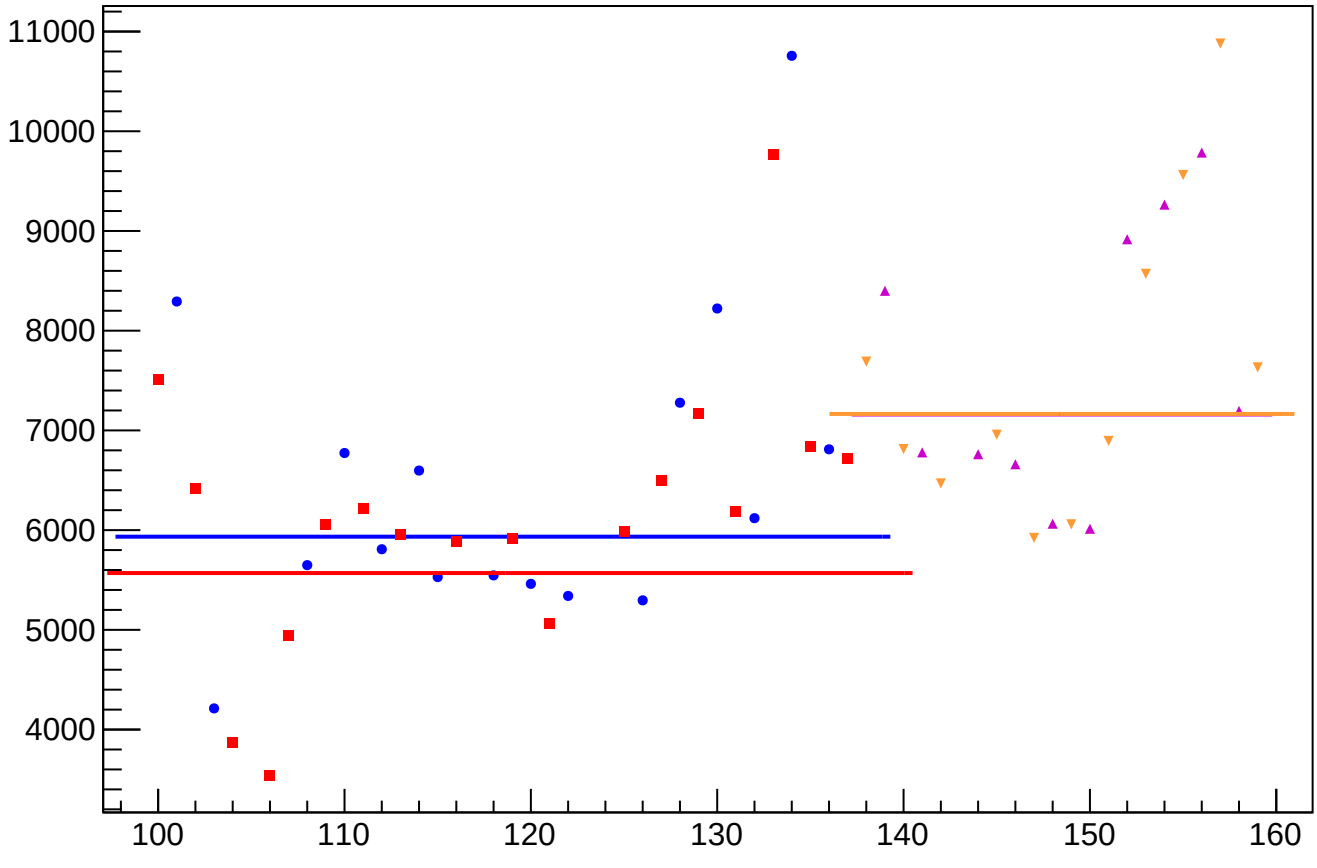
Left: -818.234+/-1746.175 χ^2/NDF: 23.5/20

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 149.373+/-1666.829 χ^2/NDF:19.6/25

Out: -55.316+/-1616.121 χ^2/NDF:35.3/28

All: 43.868+/-1160.283 χ^2/NDF: 54.9/54



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7165.077+/-1.751 χ^2/NDF:495788.5/10

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

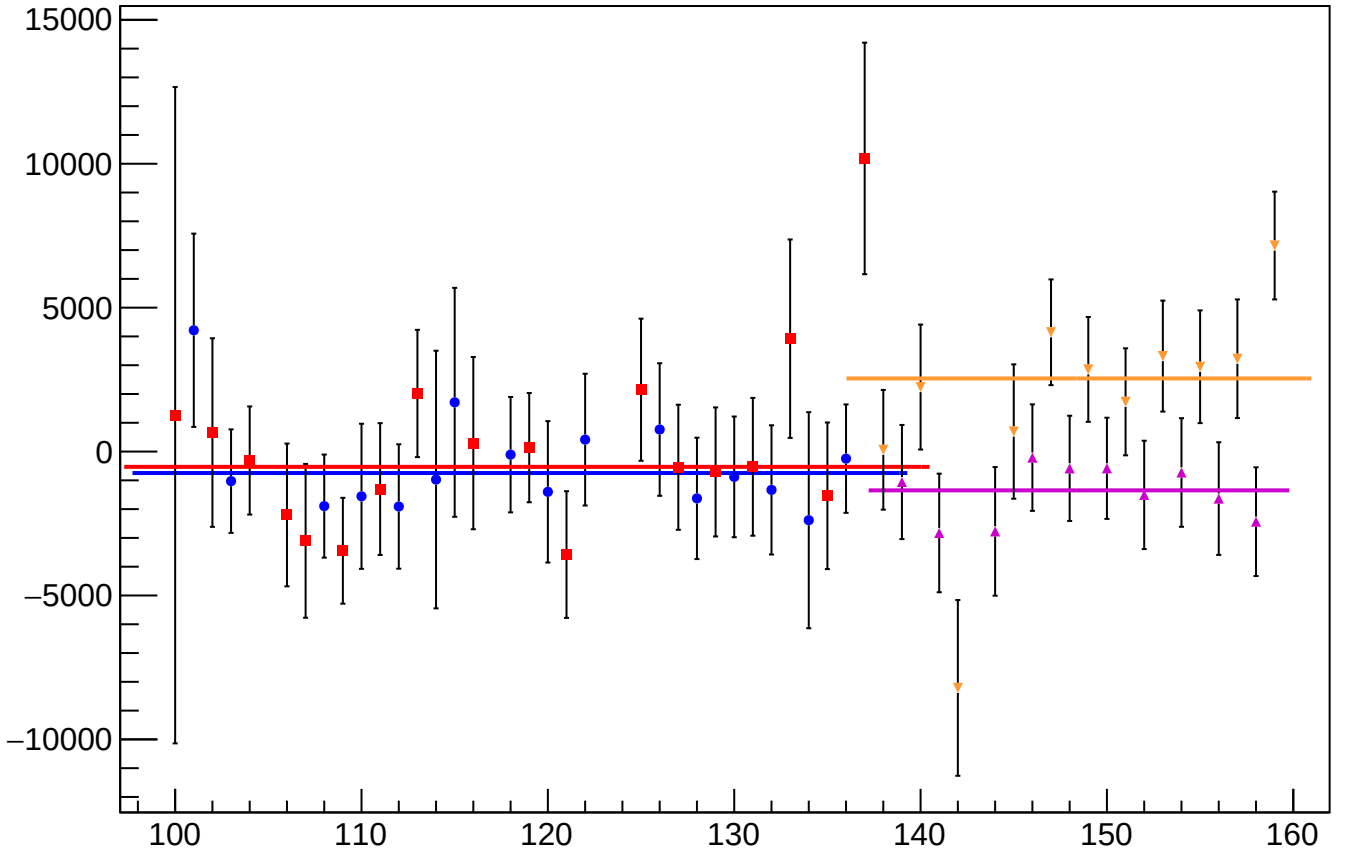
Left: 7162.217+/-1.235 χ^2/NDF: 949121.6/20

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6495.449+/-1.179 χ^2/NDF:1374651.9/25

Out: 6249.195+/-1.143 χ^2/NDF:1696452.3/28

All: 6368.519+/-0.820 χ^2/NDF: 3093604.7/54



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2540.932+/-611.782 χ^2/NDF:21.9/10

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1347.995+/-607.493 χ^2/NDF:2.2/9

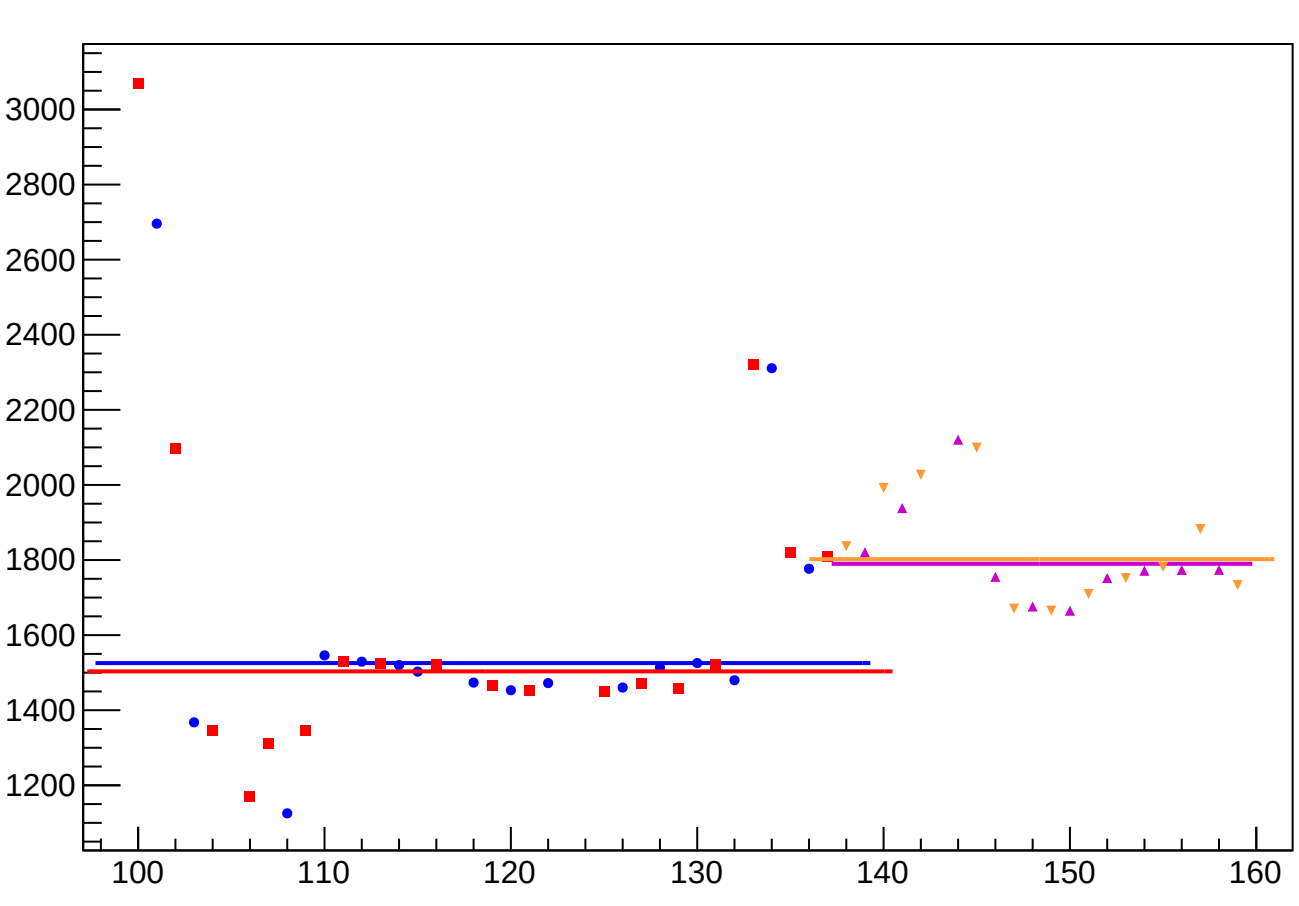
Left: 582.789+/-431.071 χ^2/NDF: 44.4/20

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -1032.021+/-418.773 χ^2/NDF:7.4/25

Out: 909.999+/-419.031 χ^2/NDF:53.0/28

All: -61.609+/-296.208 χ^2/NDF: 71.1/54



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1802.252+/-0.433 χ^2/NDF:92983.7/10

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1789.915+/-0.430 χ^2/NDF:74451.6/9

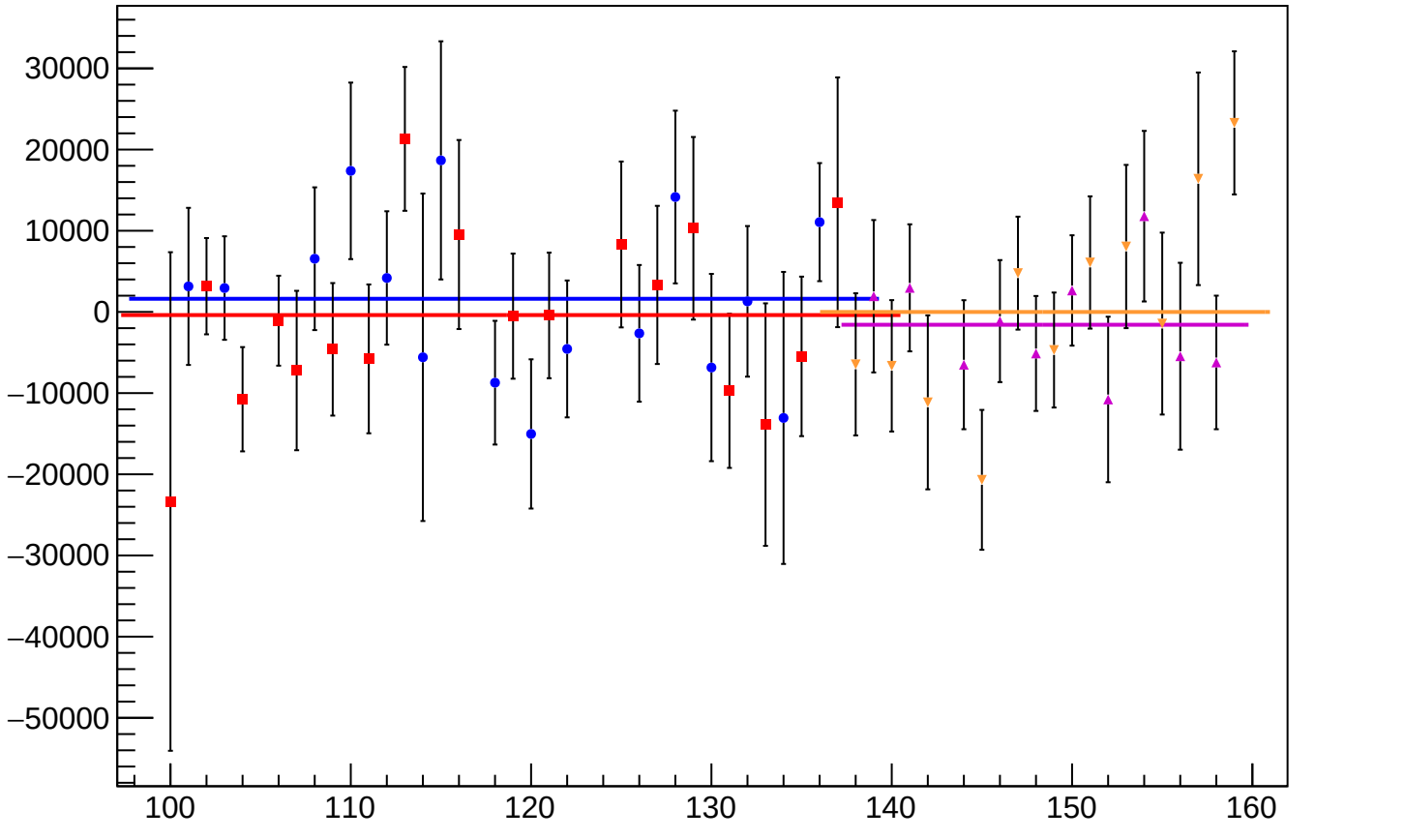
Left: 1796.040+/-0.305 χ^2/NDF: 167844.8/20

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1651.168+/-0.296 χ^2/NDF:761571.6/25

Out: 1643.577+/-0.296 χ^2/NDF:684857.8/28

All: 1647.374+/-0.209 χ^2/NDF: 1446757.9/54



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -4.967+/-2647.036 χ^2/NDF:18.7/10

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -1580.853+/-2636.978 χ^2/NDF:4.4/9

Left: -795.909+/-1868.171 χ^2/NDF: 23.3/20

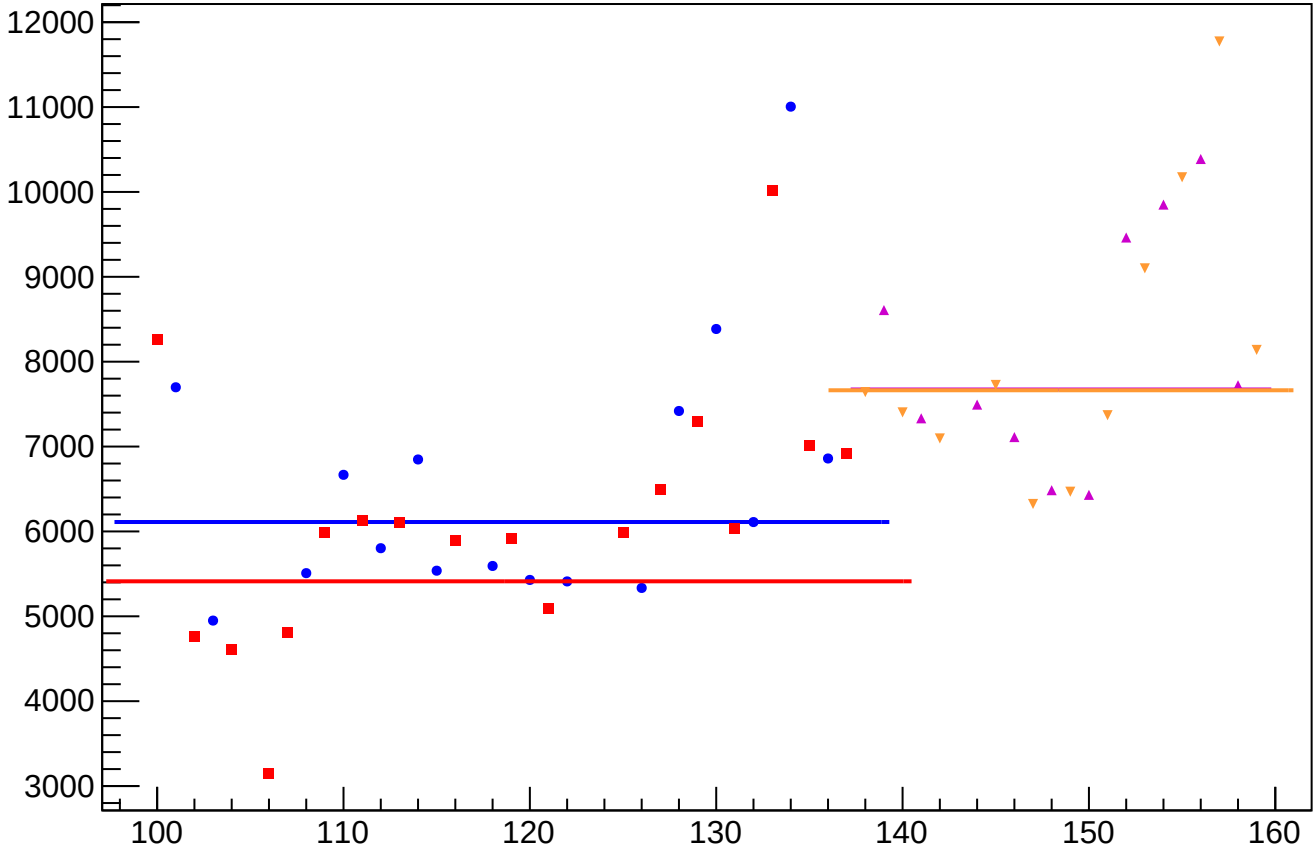
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 223.432+/-1741.846 χ^2/NDF:19.5/25

Out: -242.165+/-1626.136 χ^2/NDF:34.8/28

All: -25.343+/-1188.655 χ^2/NDF: 54.2/54

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: 7663.232+/-1.872 χ^2/NDF:485452.2/10

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7672.540+/-1.865 χ^2/NDF:417713.4/9

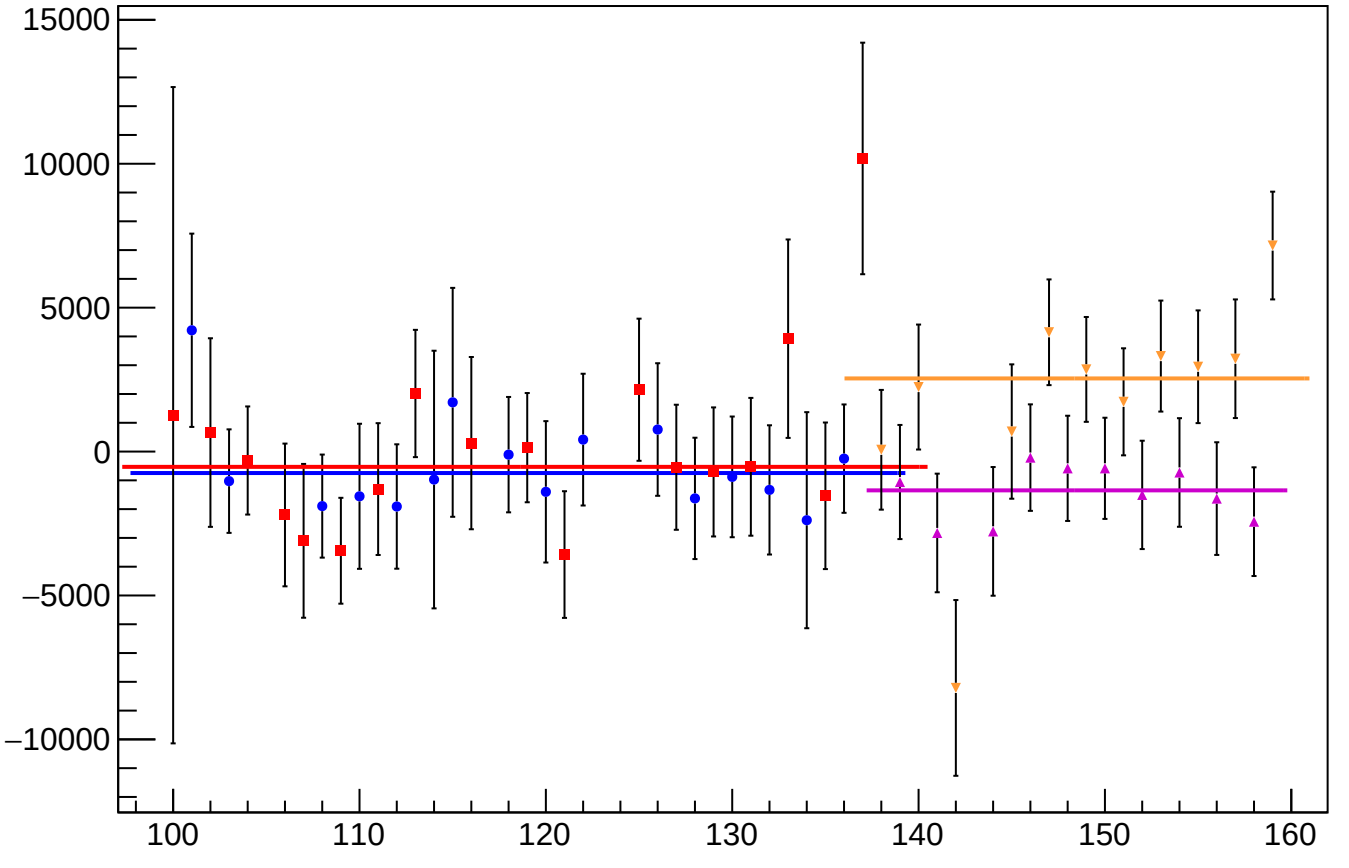
Left: 7667.903+/-1.321 χ^2/NDF: 903178.0/20

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6792.354+/-1.232 χ^2/NDF:1284681.4/25

Out: 6261.772+/-1.150 χ^2/NDF:2207429.1/28

All: 6508.855+/-0.841 χ^2/NDF: 3591265.2/54



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2540.935+/-611.783 χ^2/NDF:21.9/10

Right Out: -531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: -1347.994+/-607.494 χ^2/NDF:2.2/9

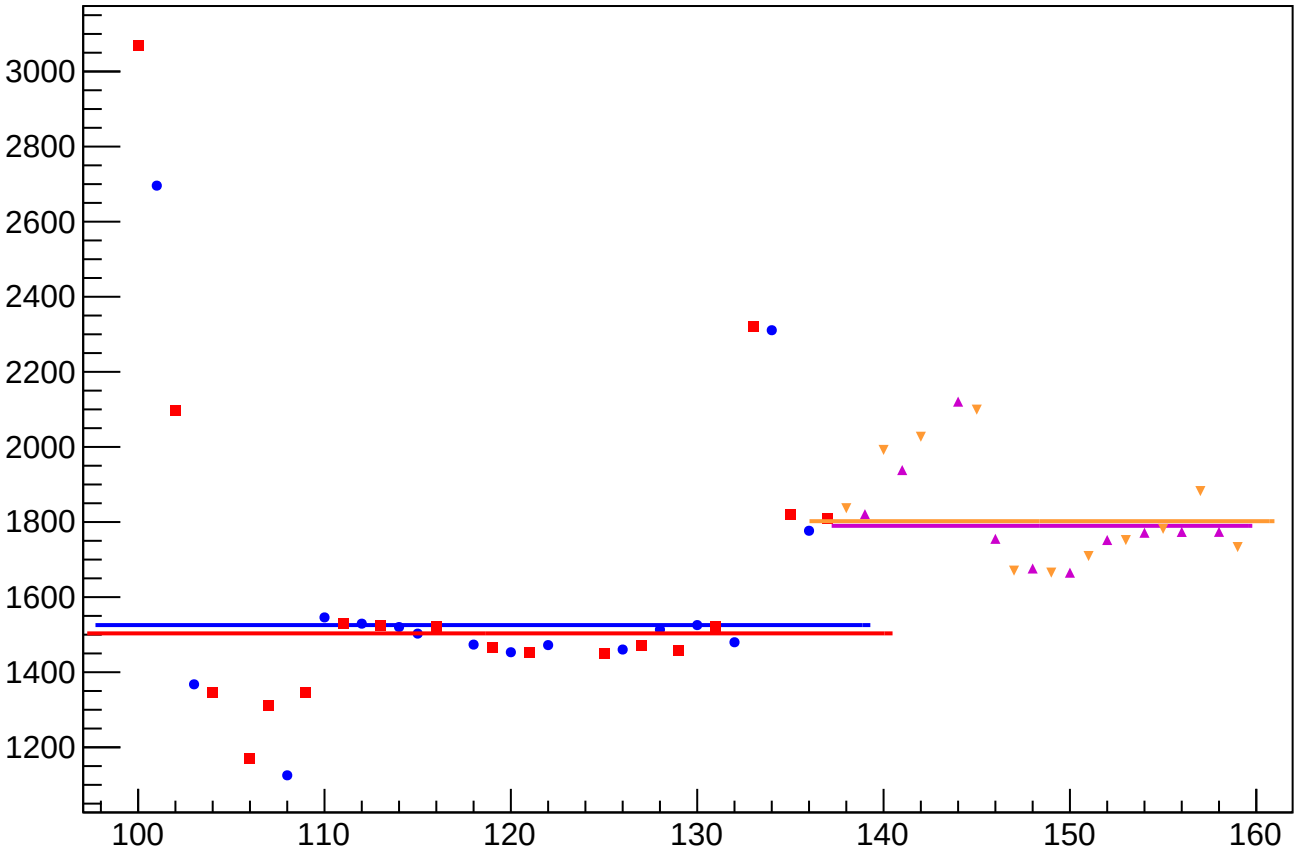
Left: 582.791+/-431.071 χ^2/NDF: 44.4/20

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -1032.023+/-418.773 χ^2/NDF:7.4/25

Out: 909.994+/-419.031 χ^2/NDF:53.0/28

All: -61.613+/-296.209 χ^2/NDF: 71.1/54



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1802.254+/-0.433 χ^2/NDF:92984.7/10

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1789.918+/-0.430 χ^2/NDF:74451.8/9

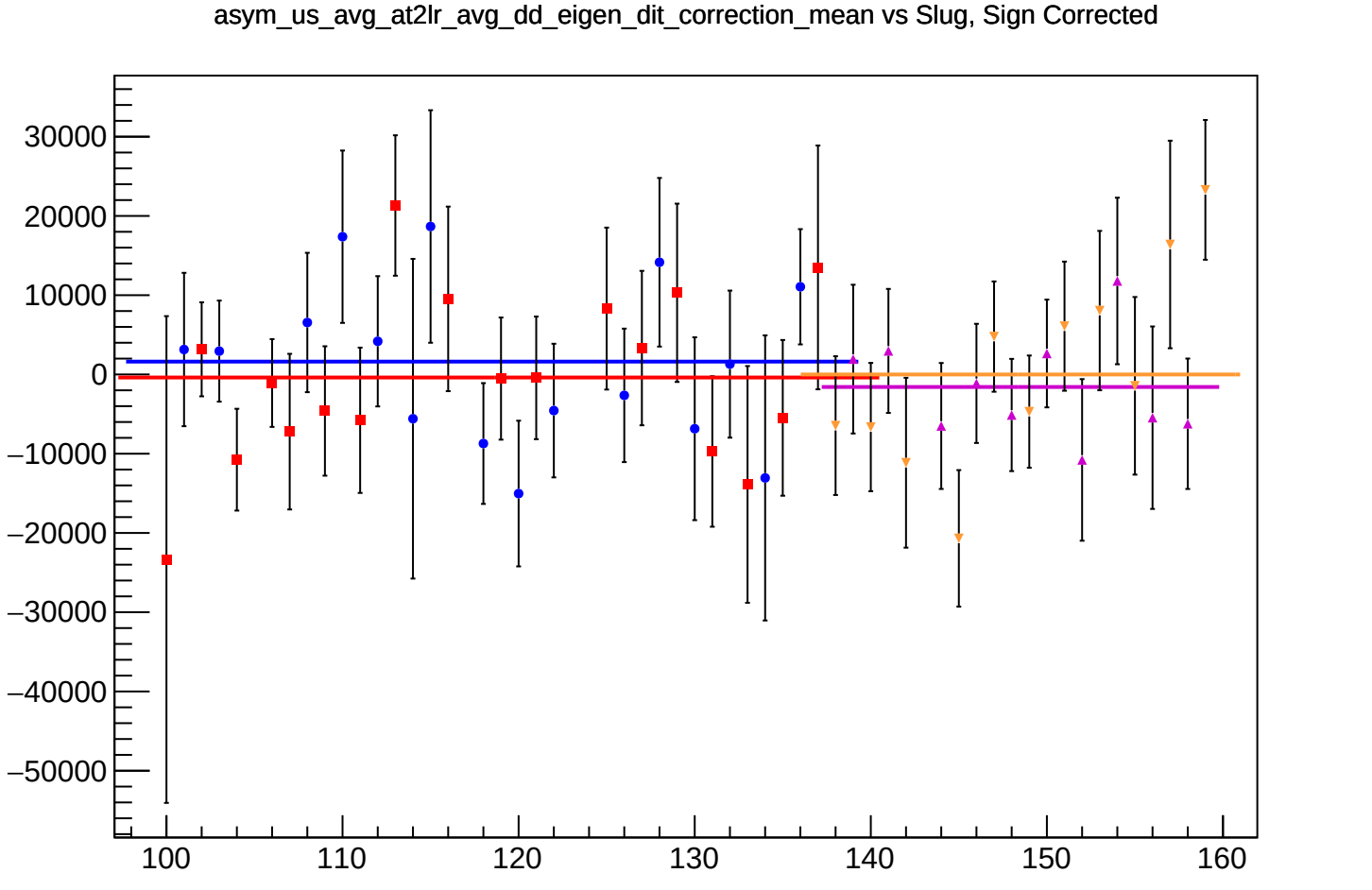
Left: 1796.042+/-0.305 χ^2/NDF: 167845.9/20

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1651.169+/-0.296 χ^2/NDF:761574.7/25

Out: 1643.578+/-0.296 χ^2/NDF:684862.5/28

All: 1647.375+/-0.209 χ^2/NDF: 1446765.6/54



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -4.964+/-2647.039 χ^2/NDF:18.7/10

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -1580.851+/-2636.982 χ^2/NDF:4.4/9

Left: -795.907+/-1868.173 χ^2/NDF: 23.3/20

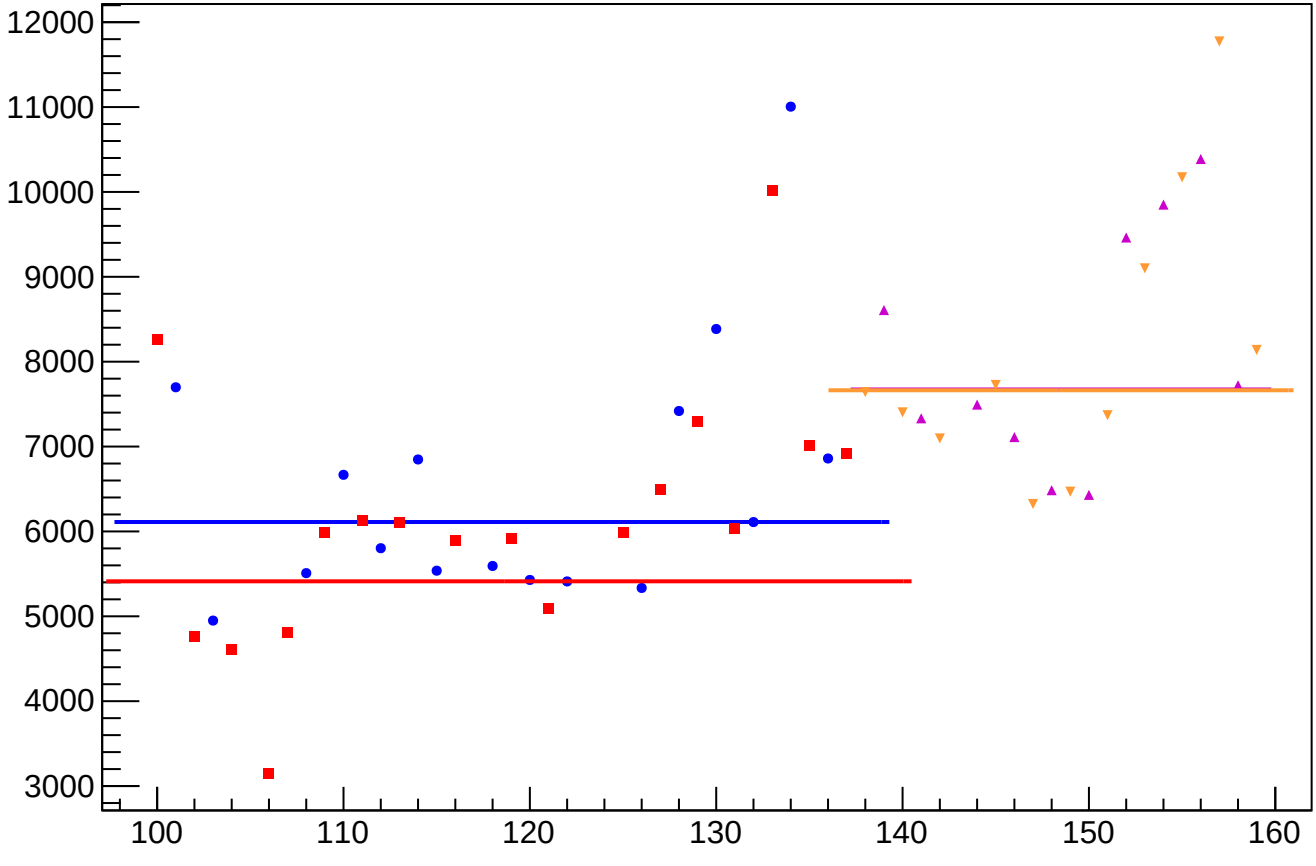
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 223.427+/-1741.845 χ^2/NDF:19.5/25

Out: -242.168+/-1626.135 χ^2/NDF:34.8/28

All: -25.348+/-1188.654 χ^2/NDF: 54.2/54

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: 7663.241+/-1.872 χ^2/NDF:485452.6/10

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7672.549+/-1.865 χ^2/NDF:417713.7/9

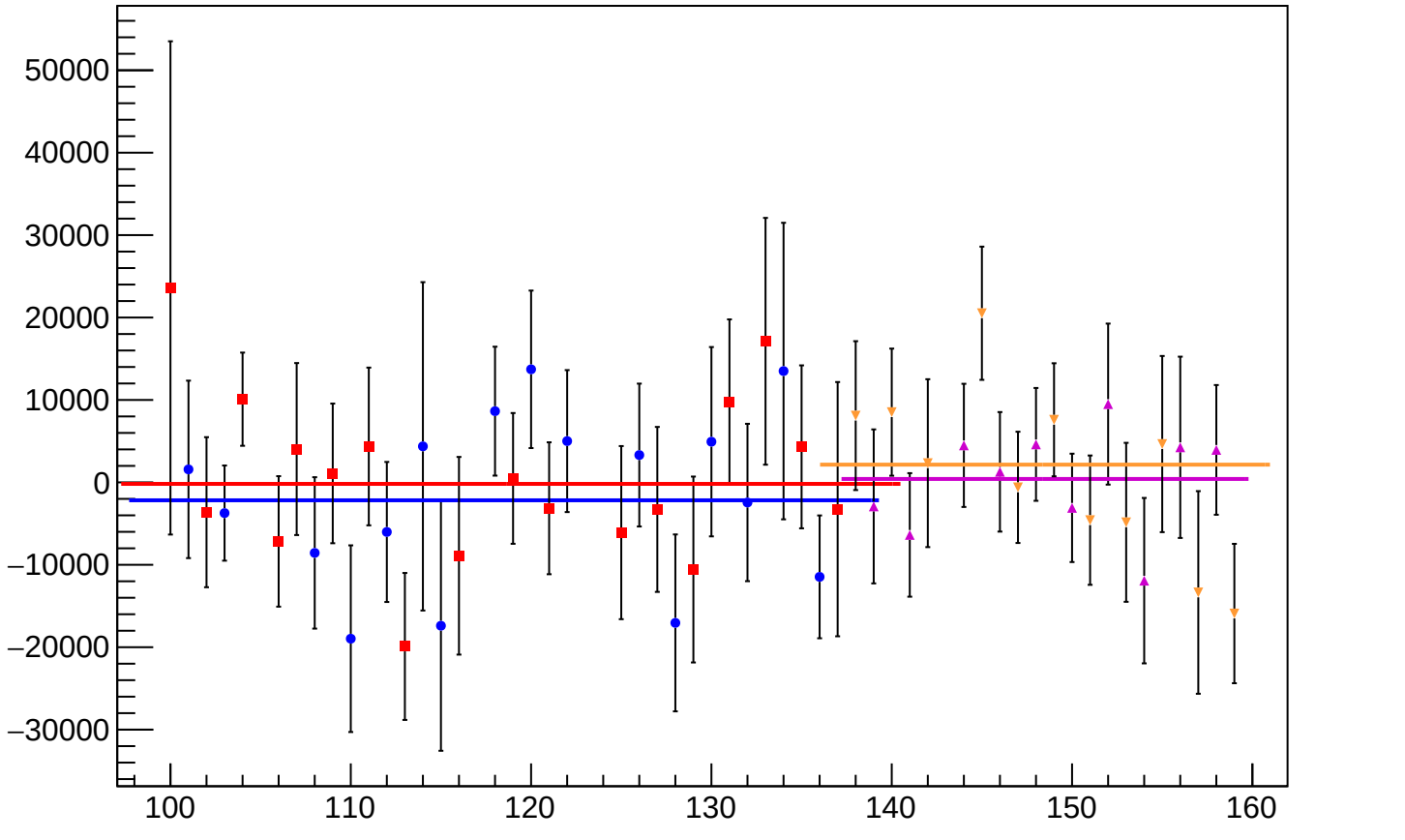
Left: 7667.913+/-1.321 χ^2/NDF: 903178.8/20

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6792.347+/-1.232 χ^2/NDF:1284695.6/25

Out: 6261.765+/-1.150 χ^2/NDF:2207446.2/28

All: 6508.849+/-0.841 χ^2/NDF: 3591297.0/54



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 2151.731+/-2551.564 χ^2/NDF:14.6/10

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 414.567+/-2535.844 χ^2/NDF:4.6/9

Left: 1277.781+/-1798.645 χ^2/NDF: 19.4/20

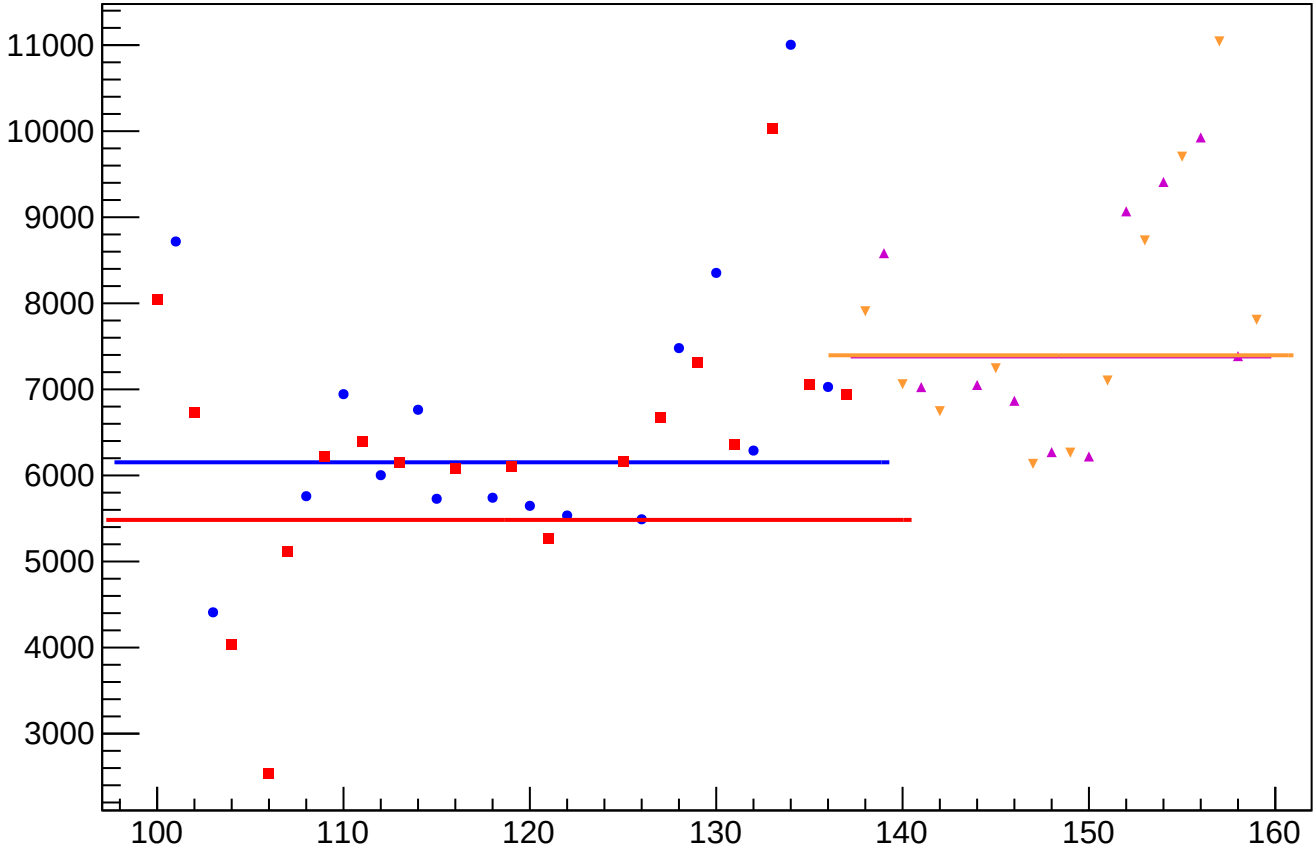
Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -979.342+/-1722.738 χ^2/NDF:19.8/25

Out: 827.168+/-1678.623 χ^2/NDF:29.7/28

All: -52.660+/-1202.259 χ^2/NDF: 50.0/54

asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7395.926+/-1.804 χ^2/NDF:458557.9/10

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7382.387+/-1.793 χ^2/NDF:415076.7/9

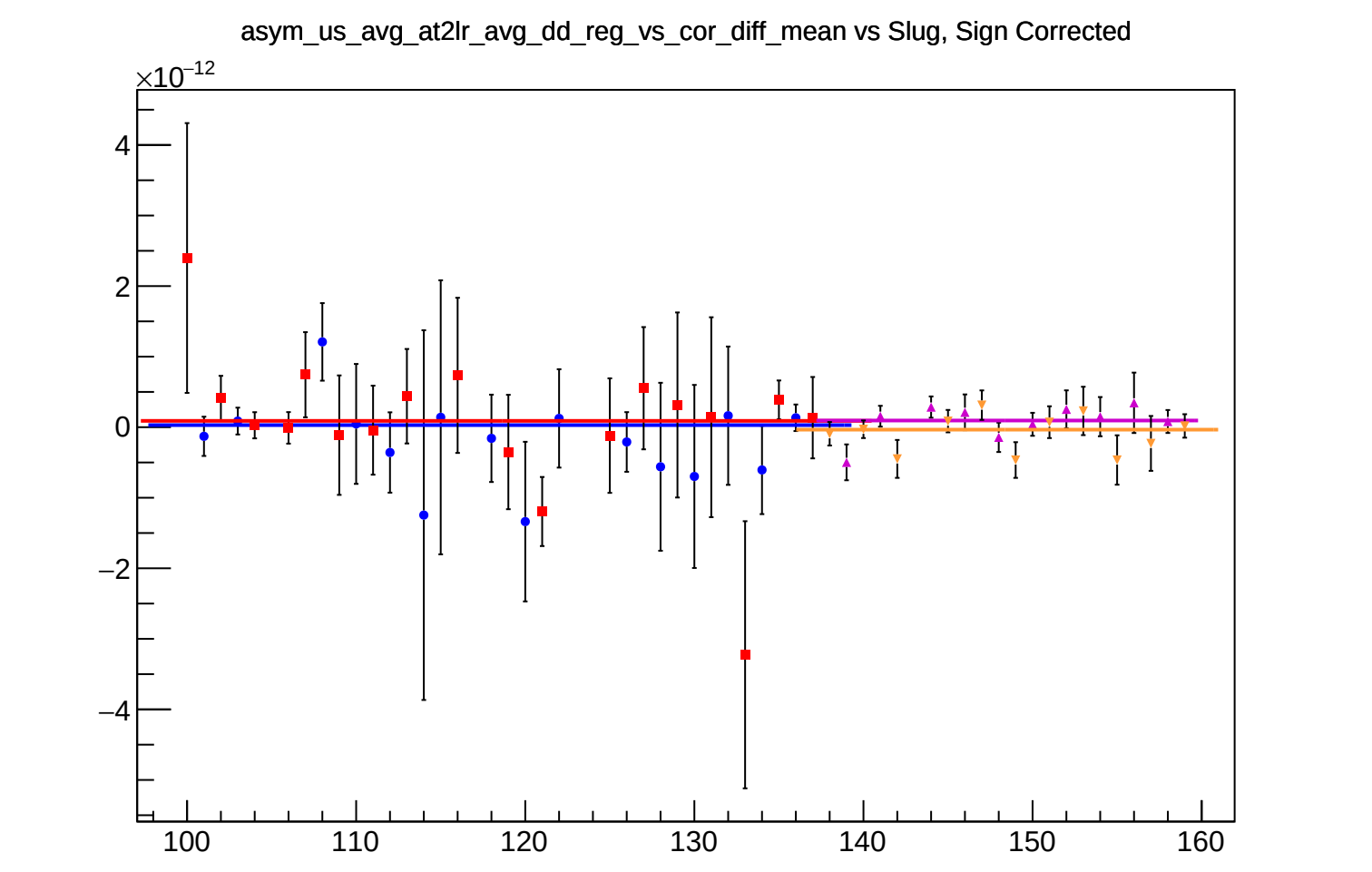
Left: 7389.115+/-1.272 χ^2/NDF: 873663.0/20

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6720.220+/-1.218 χ^2/NDF:1292354.1/25

Out: 6276.958+/-1.162 χ^2/NDF:2264711.0/28

All: 6488.178+/-0.841 χ^2/NDF: 3626379.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/9

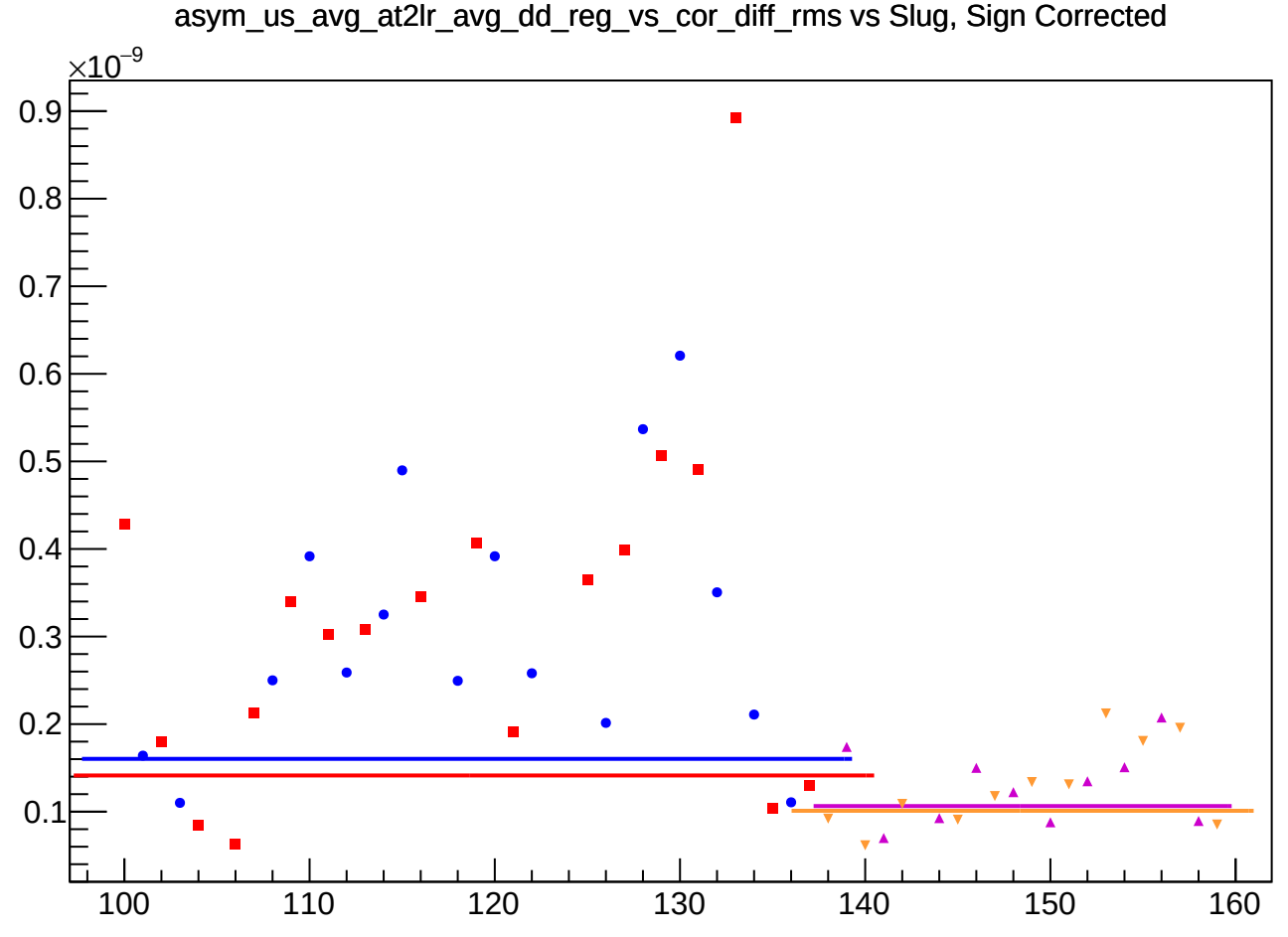
Left: 0.000+/-0.000 χ^2/NDF: 23.2/20

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

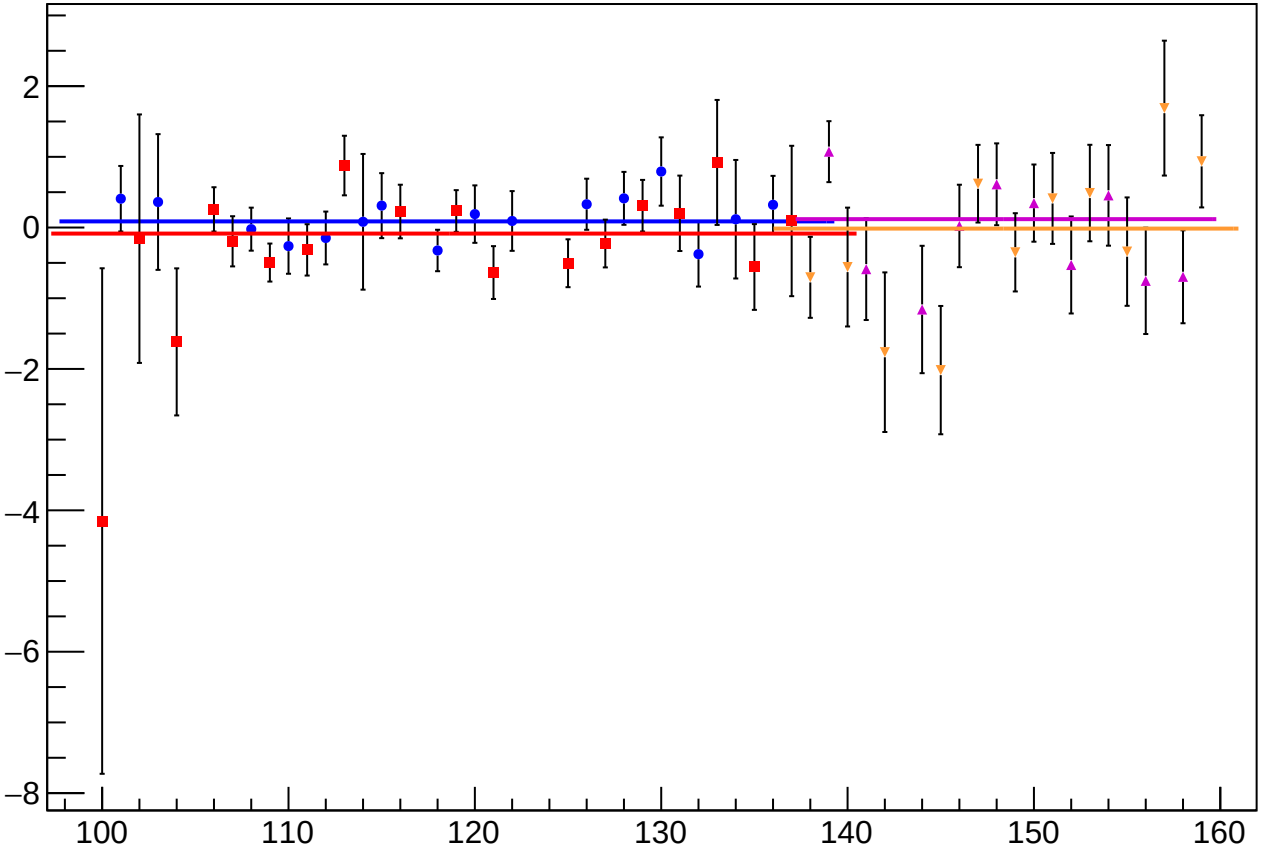
In: 0.000+/-0.000 χ^2/NDF:19.4/25

Out: -0.000+/-0.000 χ^2/NDF:29.0/28

All: 0.000+/-0.000 χ^2/NDF: 49.5/54


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329606.8/15
Left Out: 0.000+/-0.000 χ²/NDF:748315.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 2165946.2/17
Left In: 0.000+/-0.000 χ²/NDF:583977.4/9
Left: 0.000+/-0.000 χ²/NDF: 1339866.1/20
Right: 0.000+/-0.000 χ²/NDF: 3529311.8/33
In: 0.000+/-0.000 χ²/NDF:2308154.5/25
Out: 0.000+/-0.000 χ²/NDF:3143422.7/28
All: 0.000+/-0.000 χ²/NDF: 5483484.9/54

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: -0.015+/-0.210 χ^2/NDF:17.3/10

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

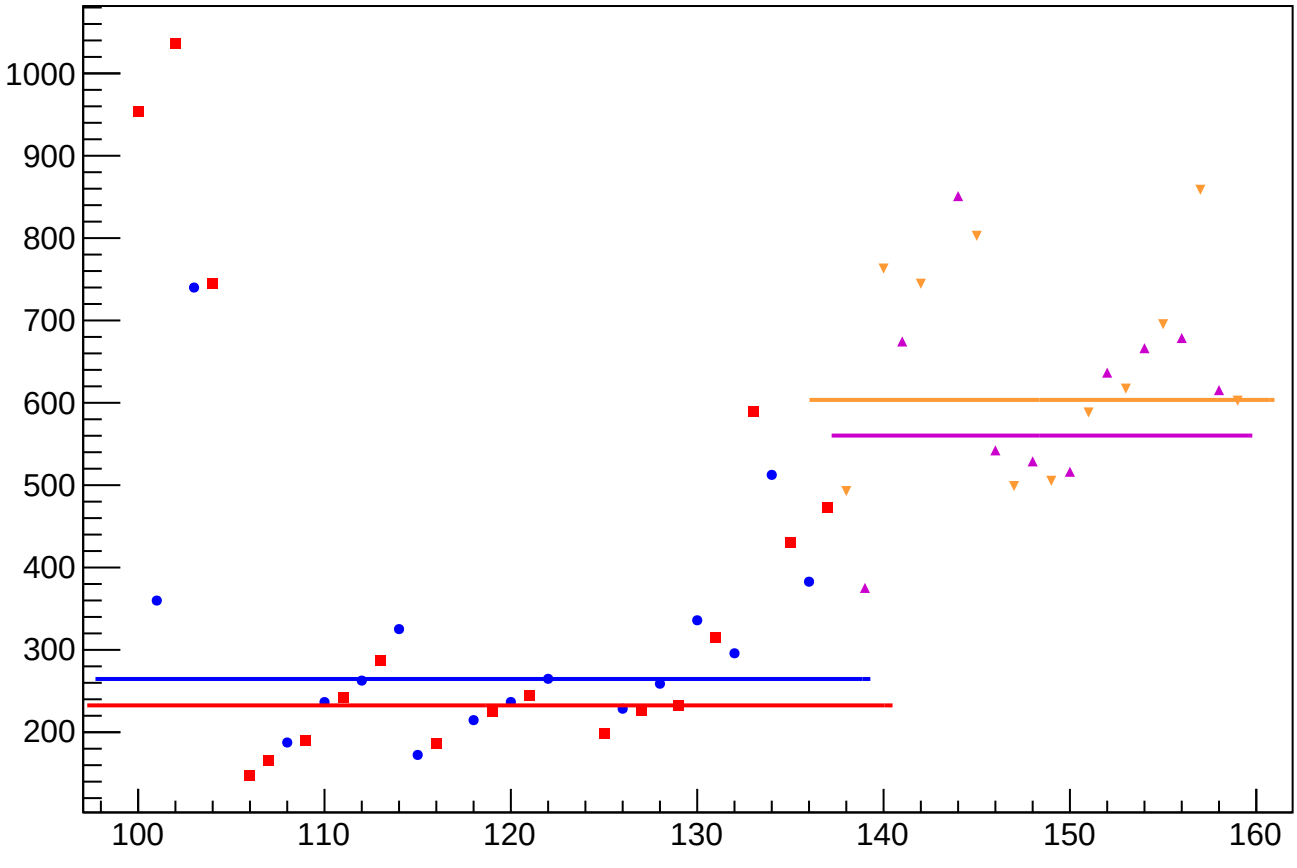
Left: 0.056+/-0.143 χ^2/NDF: 30.3/20

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.006+/-0.064 χ^2/NDF: 62.6/54



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.546+/-0.148 χ^2/NDF:583644.0/10

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

Left: 580.447+/-0.101 χ^2/NDF: 1409534.7/20

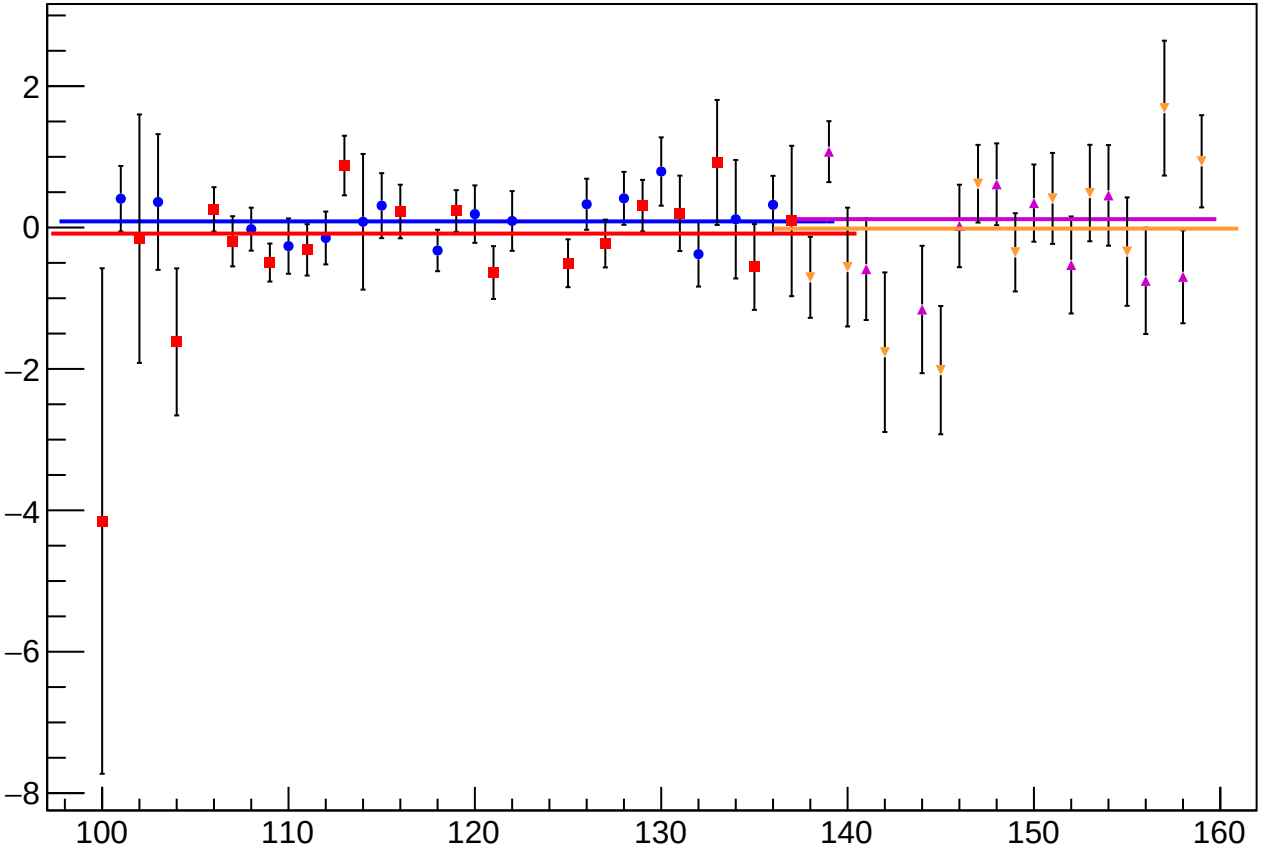
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 330.585+/-0.065 χ^2/NDF:5593356.6/25

Out: 298.398+/-0.062 χ^2/NDF:7768965.0/28

All: 313.720+/-0.045 χ^2/NDF: 13488873.1/54

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: -0.015+/-0.210 χ^2/NDF:17.3/10

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

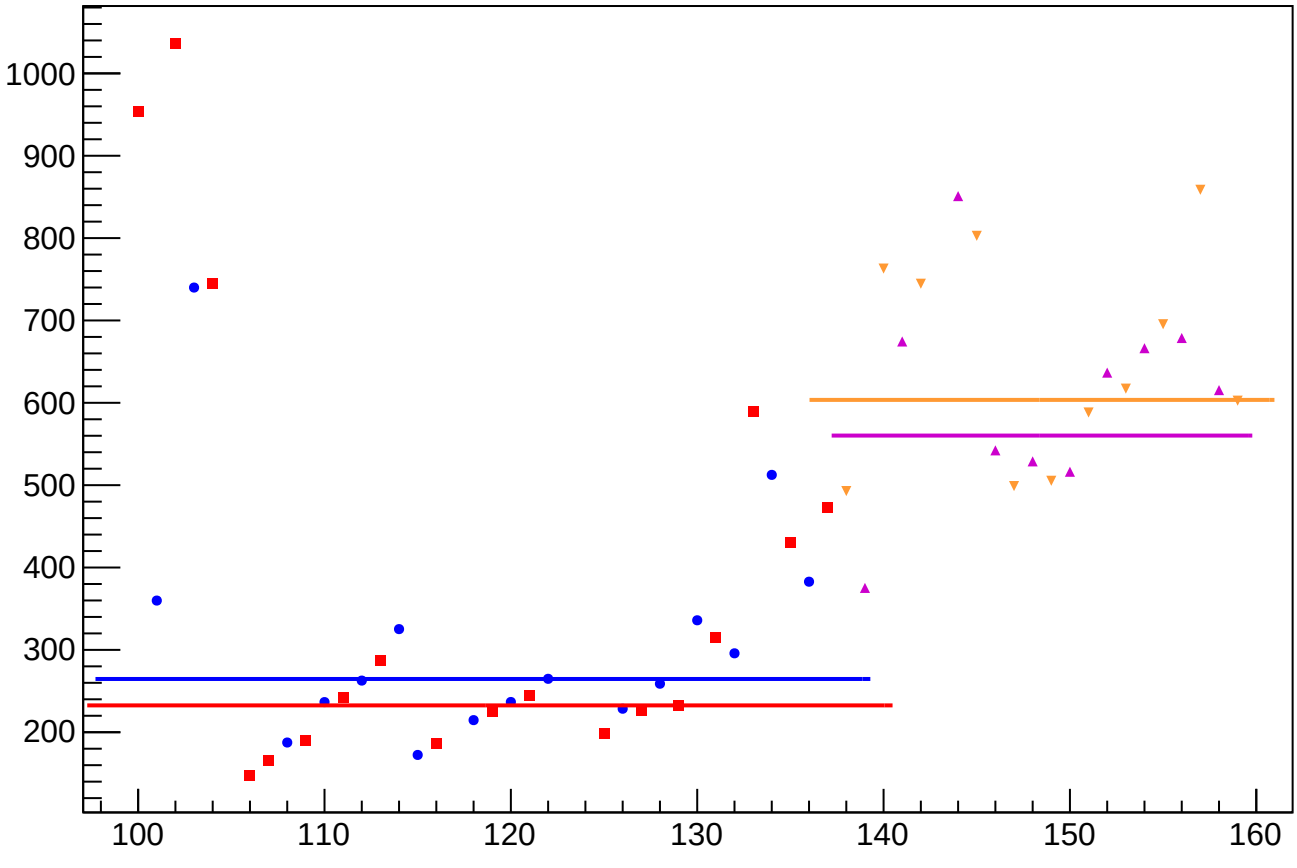
Left: 0.056+/-0.143 χ^2/NDF: 30.3/20

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.006+/-0.064 χ^2/NDF: 62.6/54



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.546+/-0.148 χ^2/NDF:583644.0/10

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

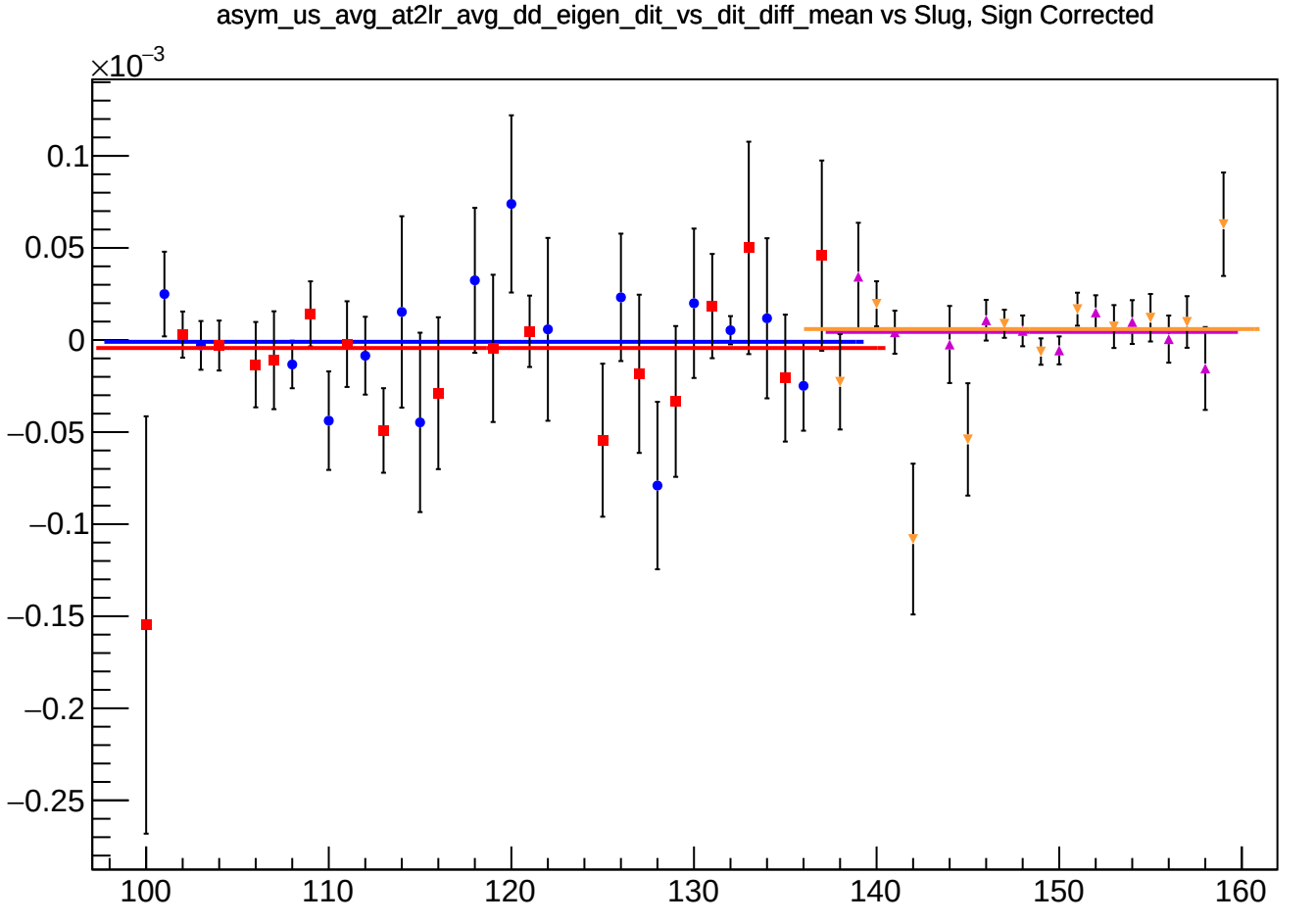
Left: 580.447+/-0.101 χ^2/NDF: 1409534.7/20

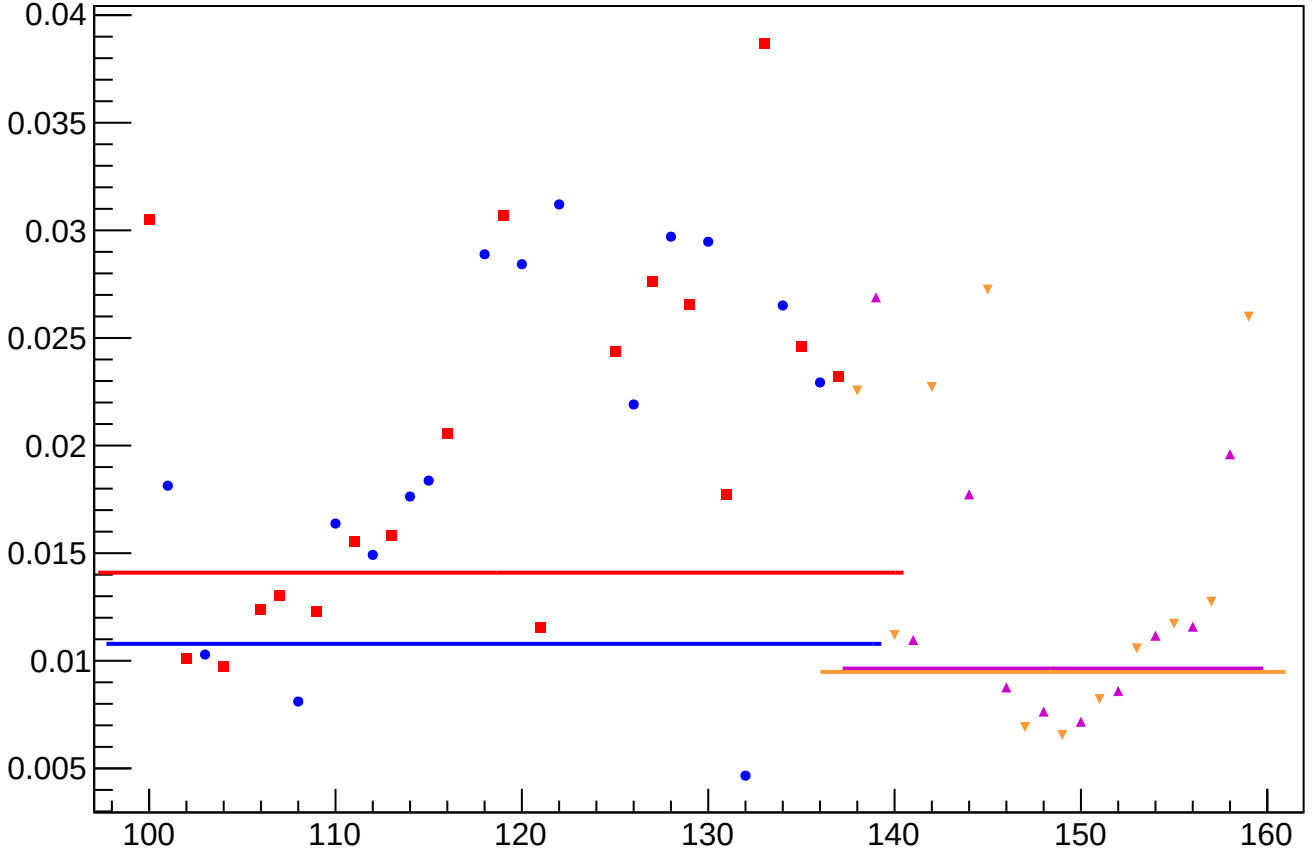
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 330.585+/-0.065 χ^2/NDF:5593356.6/25

Out: 298.398+/-0.062 χ^2/NDF:7768965.0/28

All: 313.720+/-0.045 χ^2/NDF: 13488873.1/54


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:23.0/10
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:5.6/9
Left: 0.000+/-0.000 χ²/NDF: 28.7/20
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:20.8/25
Out: 0.000+/-0.000 χ²/NDF:37.9/28
All: 0.000+/-0.000 χ²/NDF: 58.7/54



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2913320.6/10

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:1855366.7/9

Left: 0.010+/-0.000 χ^2/NDF: 4770579.5/20

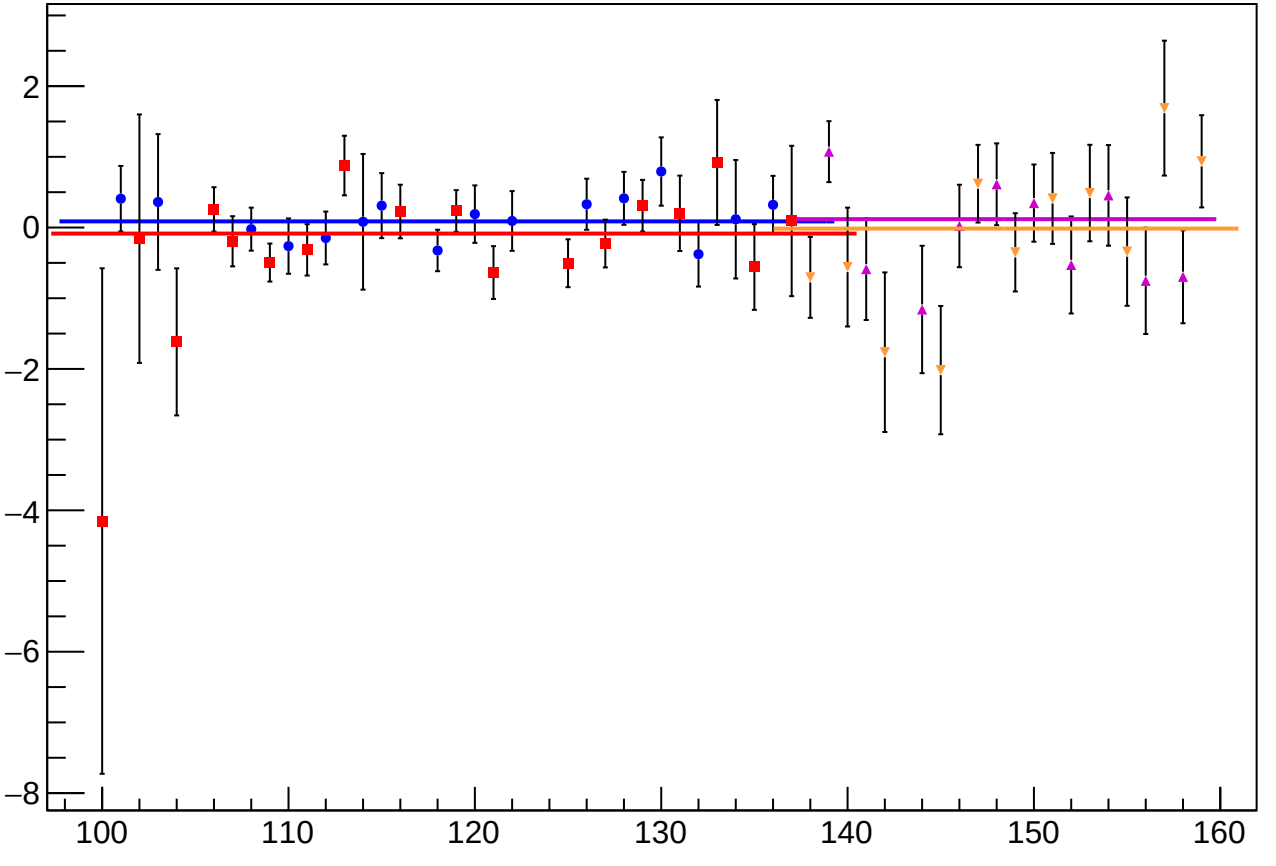
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6505742.9/25

Out: 0.011+/-0.000 χ^2/NDF:5932800.7/28

All: 0.010+/-0.000 χ^2/NDF: 12499878.6/54

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: -0.015+/-0.210 χ^2/NDF:17.3/10

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

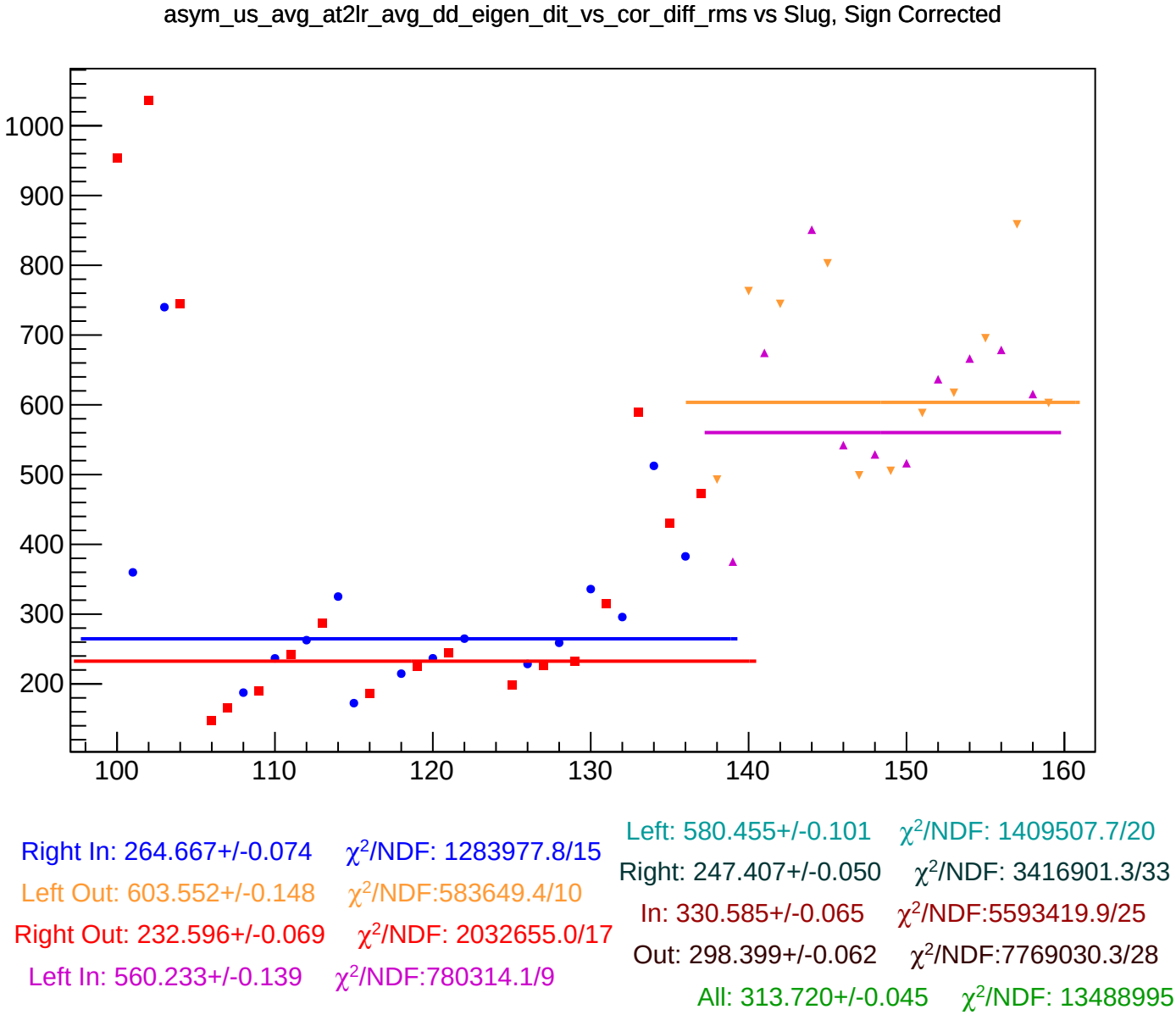
Left: 0.056+/-0.143 χ^2/NDF: 30.3/20

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

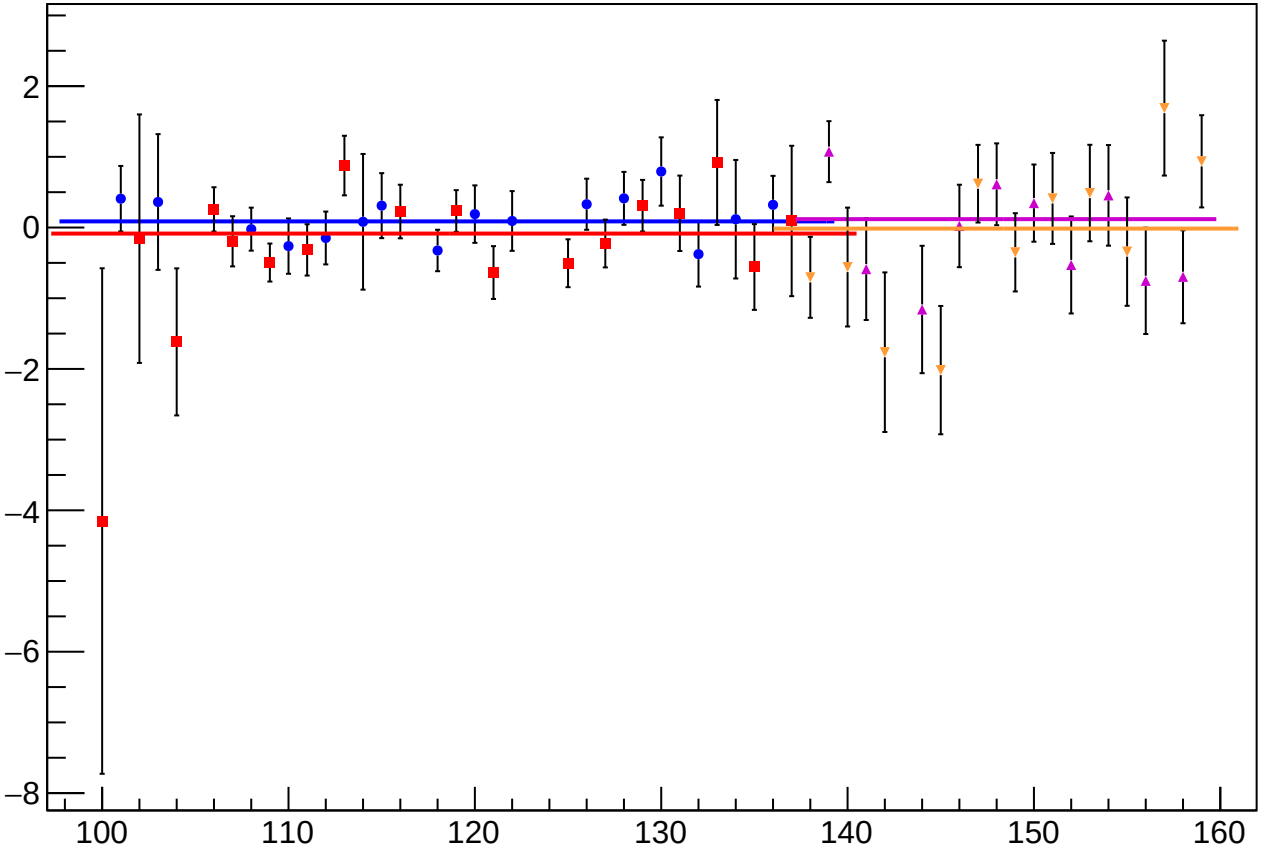
In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.006+/-0.064 χ^2/NDF: 62.6/54


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 603.552+/-0.148 χ²/NDF:583649.4/10
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 560.233+/-0.139 χ²/NDF:780314.1/9
Left: 580.455+/-0.101 χ²/NDF: 1409507.7/20
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 330.585+/-0.065 χ²/NDF:5593419.9/25
Out: 298.399+/-0.062 χ²/NDF:7769030.3/28
All: 313.720+/-0.045 χ²/NDF: 13488995.7/54

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: -0.015+/-0.210 χ^2/NDF:17.3/10

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

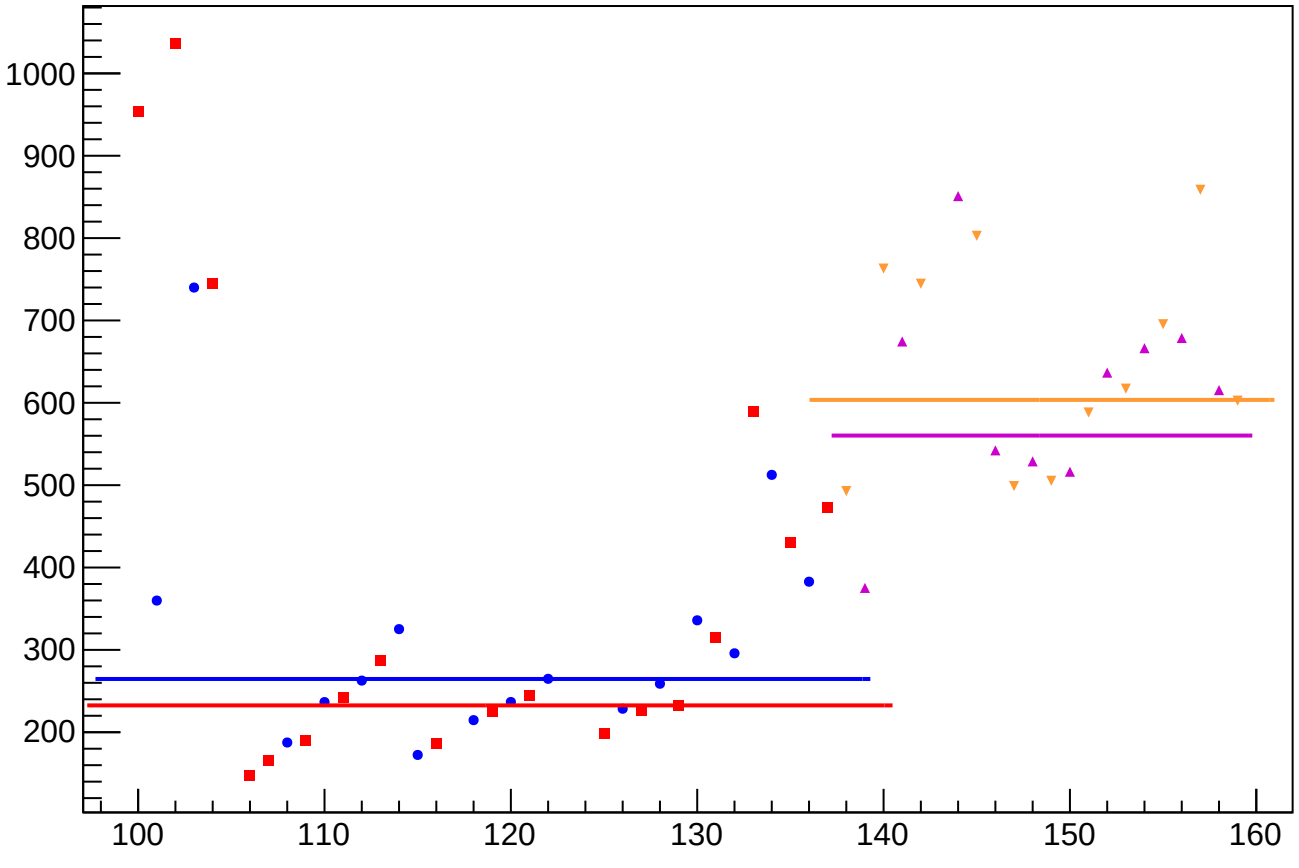
Left: 0.056+/-0.143 χ^2/NDF: 30.3/20

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.006+/-0.064 χ^2/NDF: 62.6/54



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.552+/-0.148 χ^2/NDF:583649.4/10

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 560.233+/-0.139 χ^2/NDF:780314.1/9

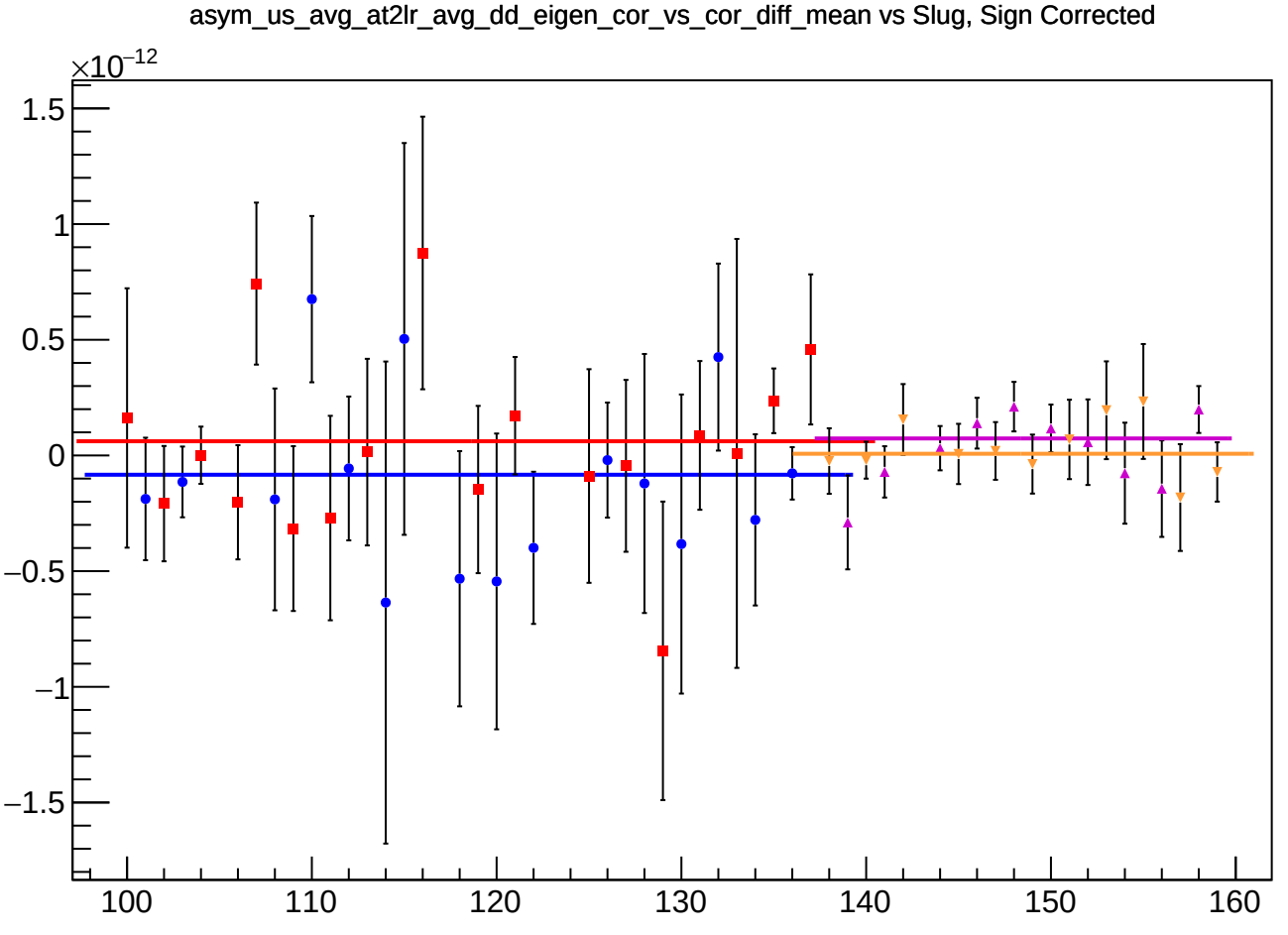
Left: 580.455+/-0.101 χ^2/NDF: 1409507.7/20

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 330.585+/-0.065 χ^2/NDF:5593419.9/25

Out: 298.399+/-0.062 χ^2/NDF:7769030.3/28

All: 313.720+/-0.045 χ^2/NDF: 13488995.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/9

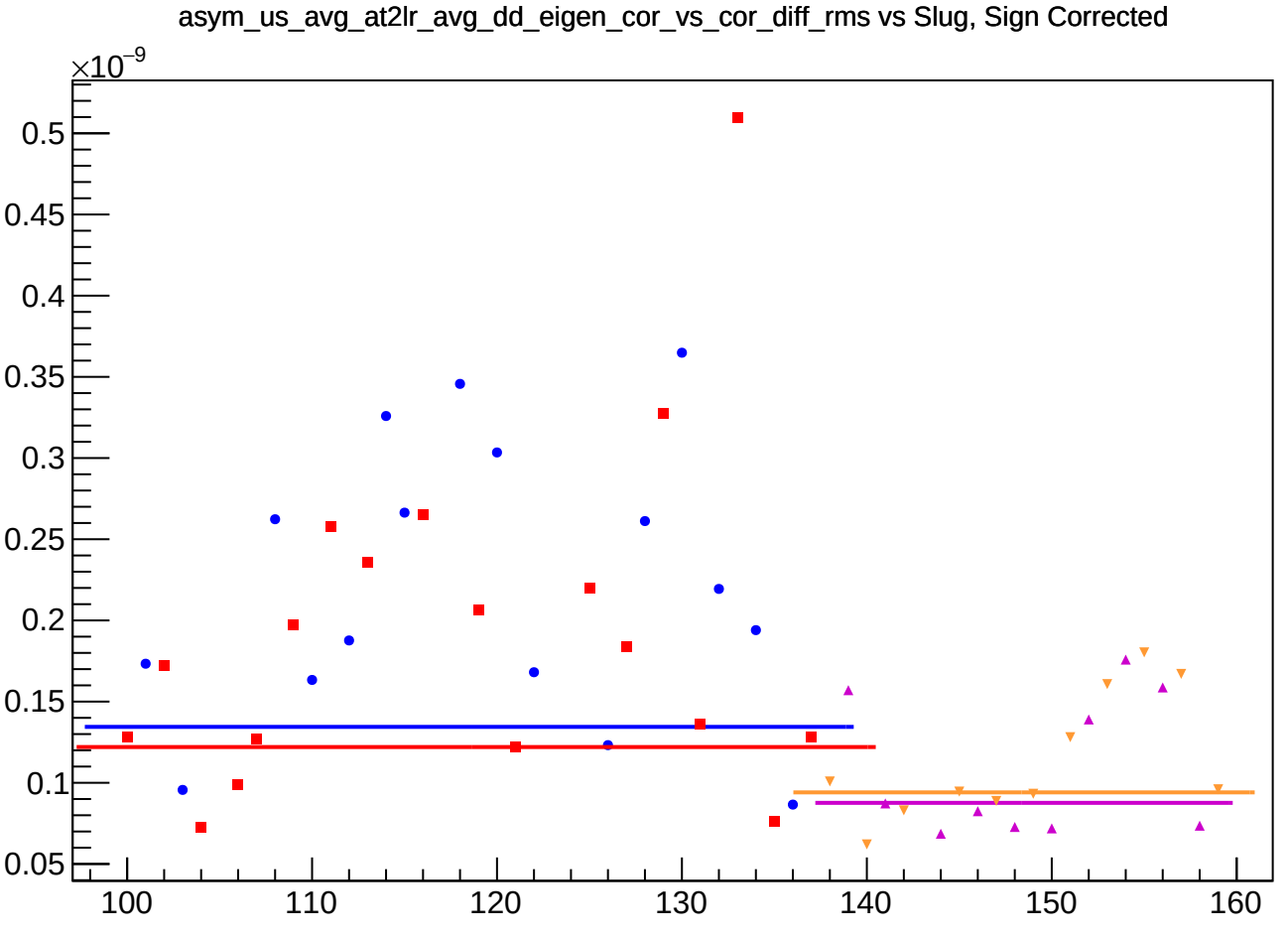
Left: 0.000+/-0.000 χ^2/NDF: 15.7/20

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:24.0/25

Out: 0.000+/-0.000 χ^2/NDF:20.3/28

All: 0.000+/-0.000 χ^2/NDF: 44.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1059567.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1153923.5/9

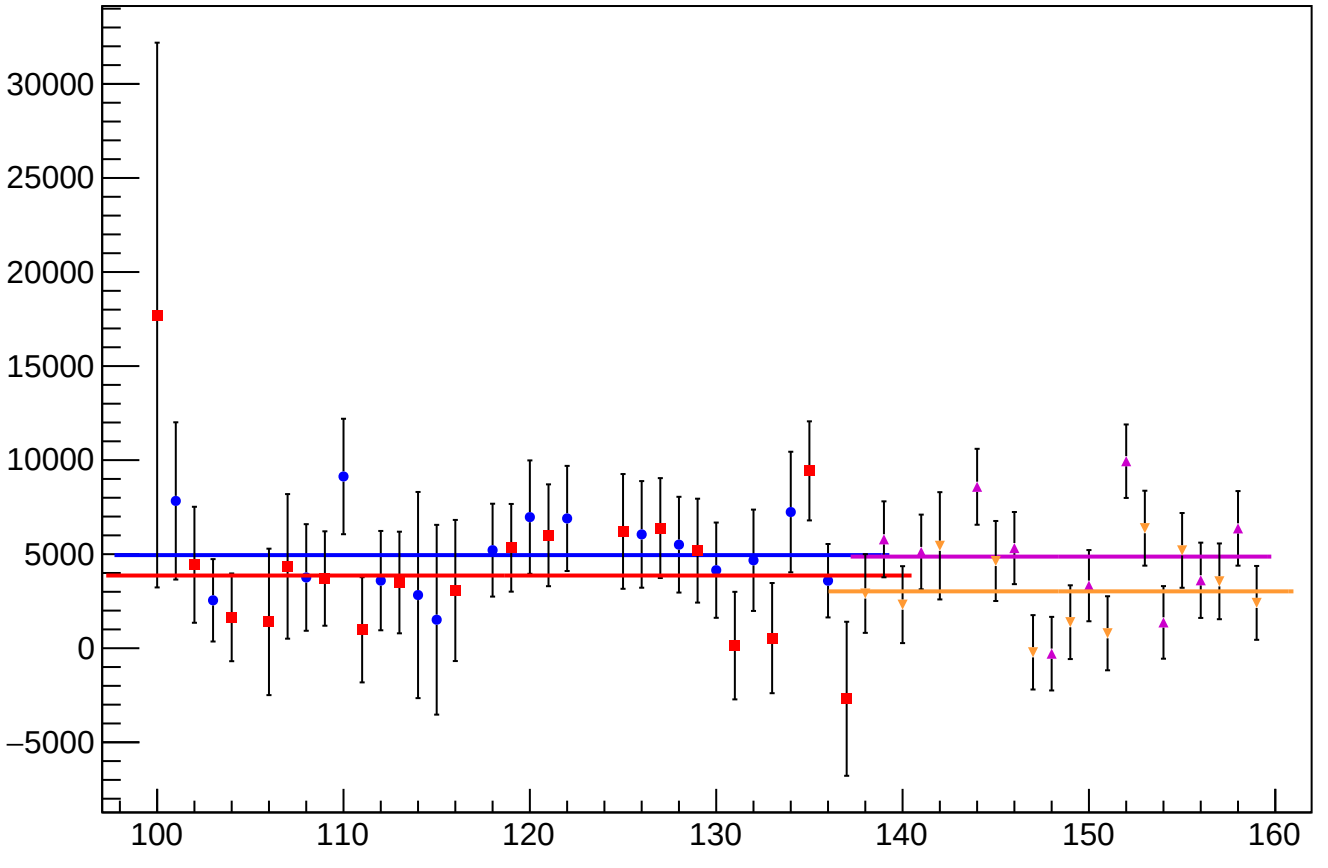
Left: 0.000+/-0.000 χ^2/NDF: 2239121.1/20

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:3664013.9/25

Out: 0.000+/-0.000 χ^2/NDF:3328873.0/28

All: 0.000+/-0.000 χ^2/NDF: 7001176.7/54



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3023.233+/-620.567 χ^2/NDF:10.3/10

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4870.810+/-621.177 χ^2/NDF:22.3/9

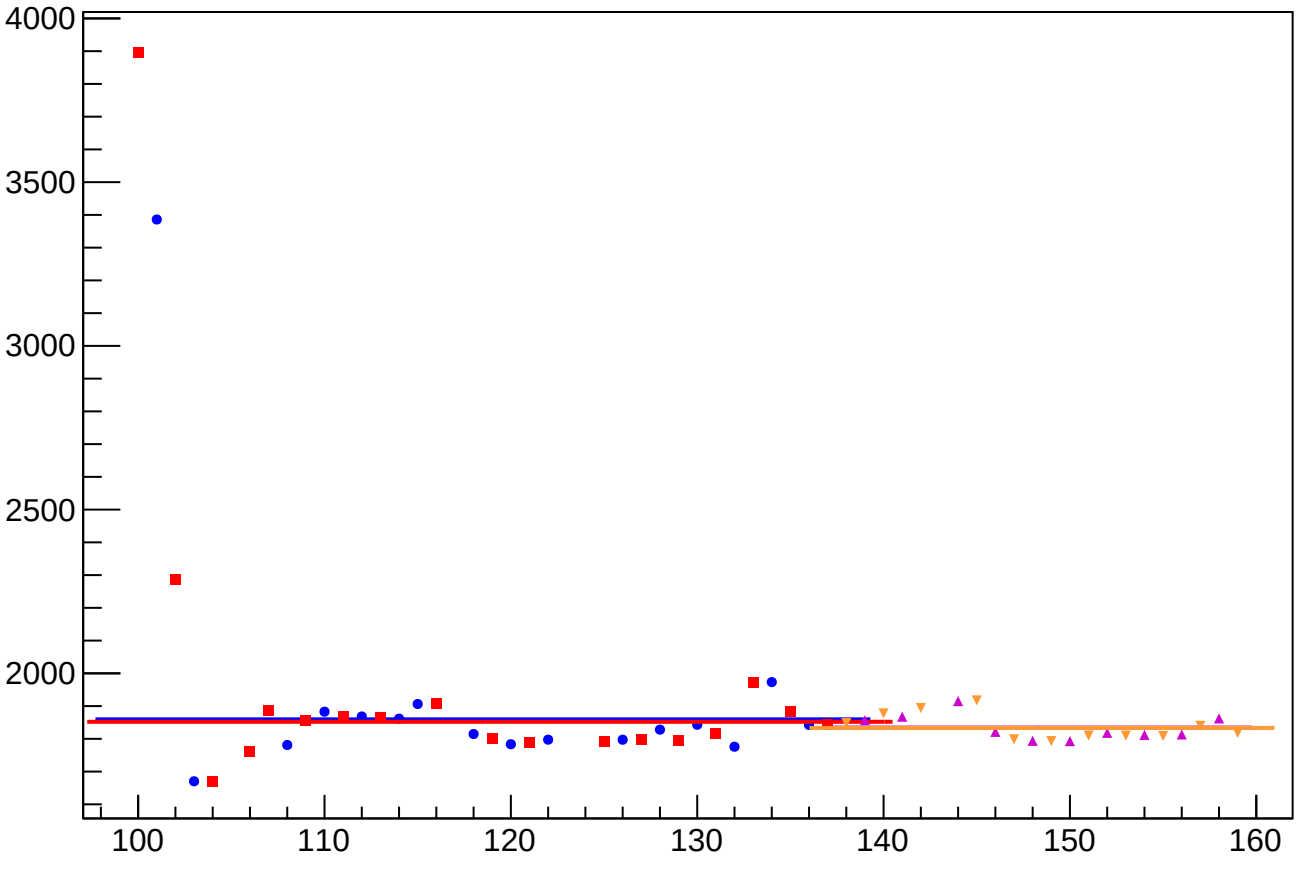
Left: 3946.113+/-439.023 χ^2/NDF: 37.0/20

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4905.898+/-464.307 χ^2/NDF:29.1/25

Out: 3396.240+/-463.124 χ^2/NDF:27.3/28

All: 4149.144+/-327.896 χ^2/NDF: 61.7/54



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1833.337+/-0.439 χ^2/NDF:7544.2/10

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

Left: 1833.836+/-0.310 χ^2/NDF: 14496.8/20

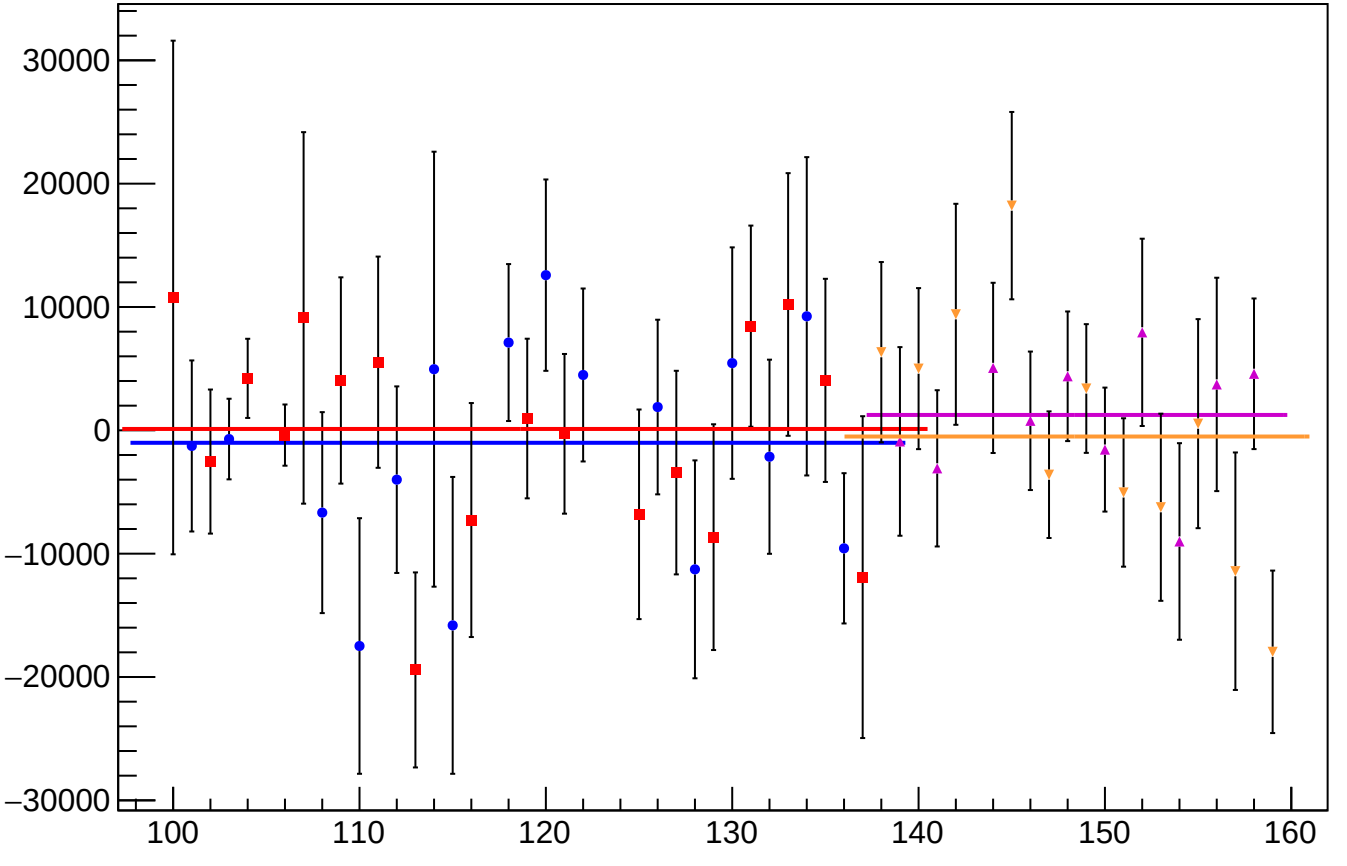
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1845.446+/-0.328 χ^2/NDF:300733.9/25

Out: 1841.662+/-0.327 χ^2/NDF:110566.5/28

All: 1843.547+/-0.232 χ^2/NDF: 411367.1/54

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: -502.158+/-2043.846 χ^2/NDF:19.3/10

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1247.503+/-2025.193 χ^2/NDF:4.3/9

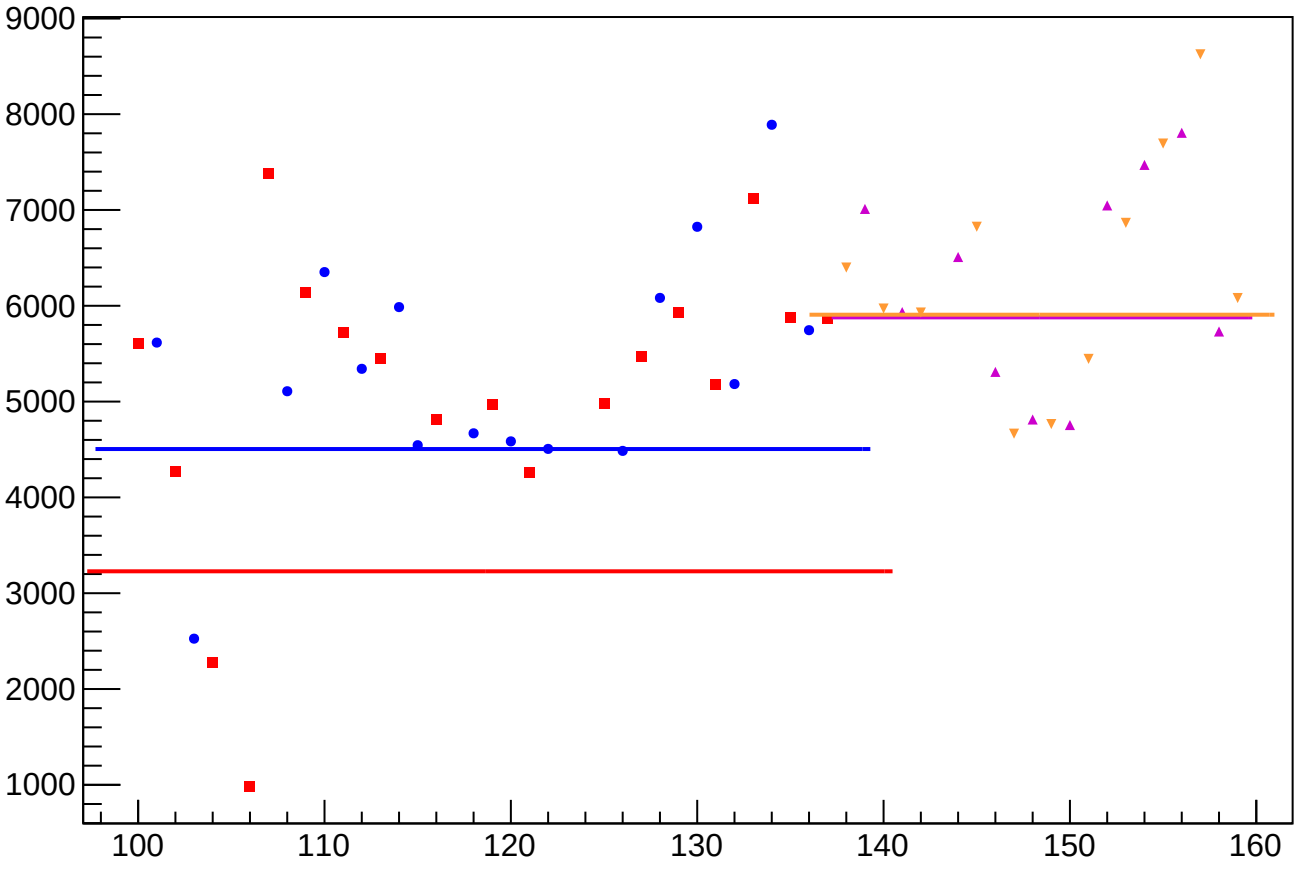
Left: 380.693+/-1438.577 χ^2/NDF: 24.0/20

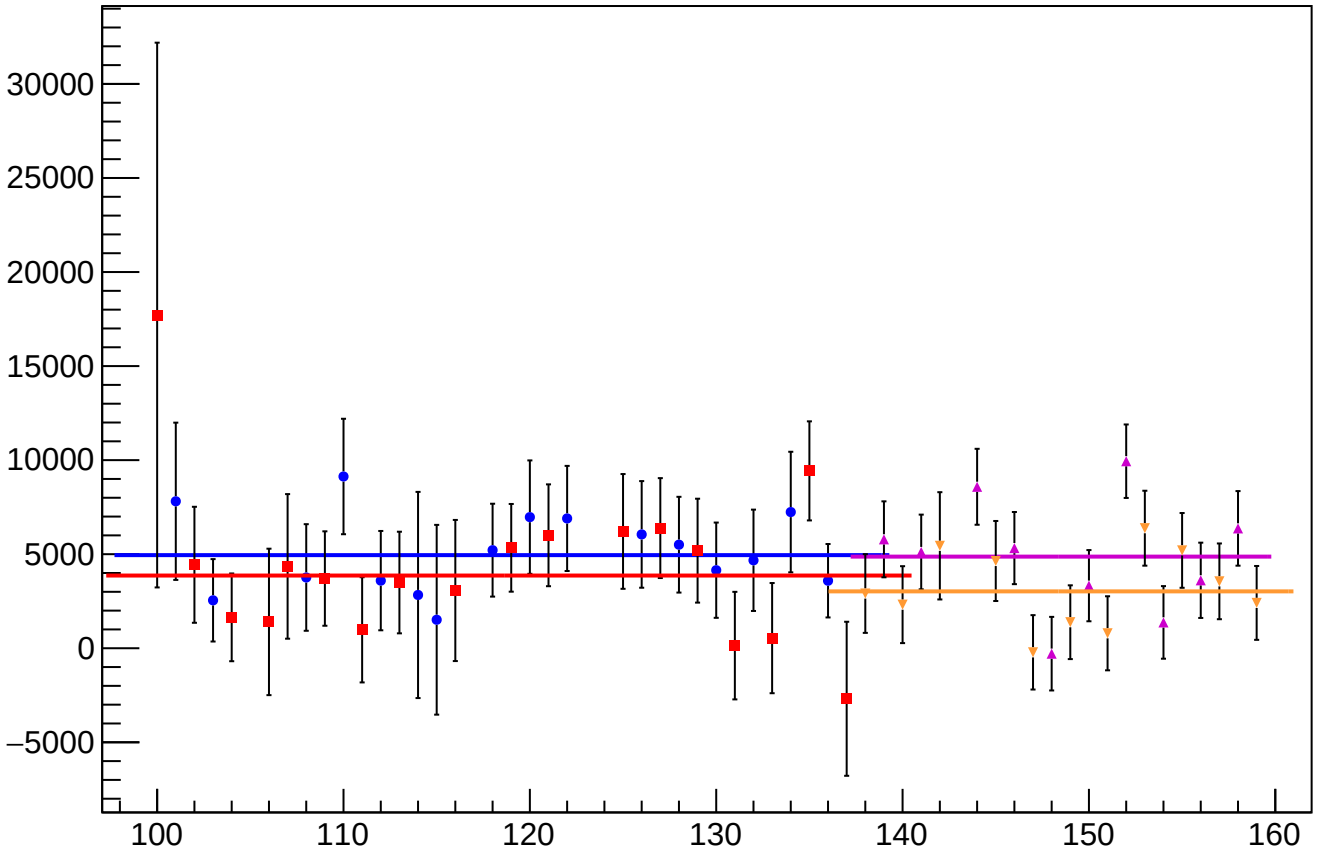
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -36.175+/-1330.237 χ^2/NDF:19.8/25

Out: -91.946+/-1176.358 χ^2/NDF:34.0/28

All: -67.472+/-881.217 χ^2/NDF: 53.8/54


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 4504.788+/-1.247 χ²/NDF: 1321104.9/15
Left Out: 5906.814+/-1.445 χ²/NDF:544512.1/10
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 5878.895+/-1.432 χ²/NDF:490935.6/9
Left: 5892.727+/-1.017 χ²/NDF: 1035636.0/20
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5097.640+/-0.941 χ²/NDF:2335533.2/25
Out: 4115.817+/-0.832 χ²/NDF:6797444.2/28
All: 4546.681+/-0.623 χ²/NDF: 9744375.4/54



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3023.094+/-620.567 χ^2/NDF:10.3/10

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4871.019+/-621.177 χ^2/NDF:22.3/9

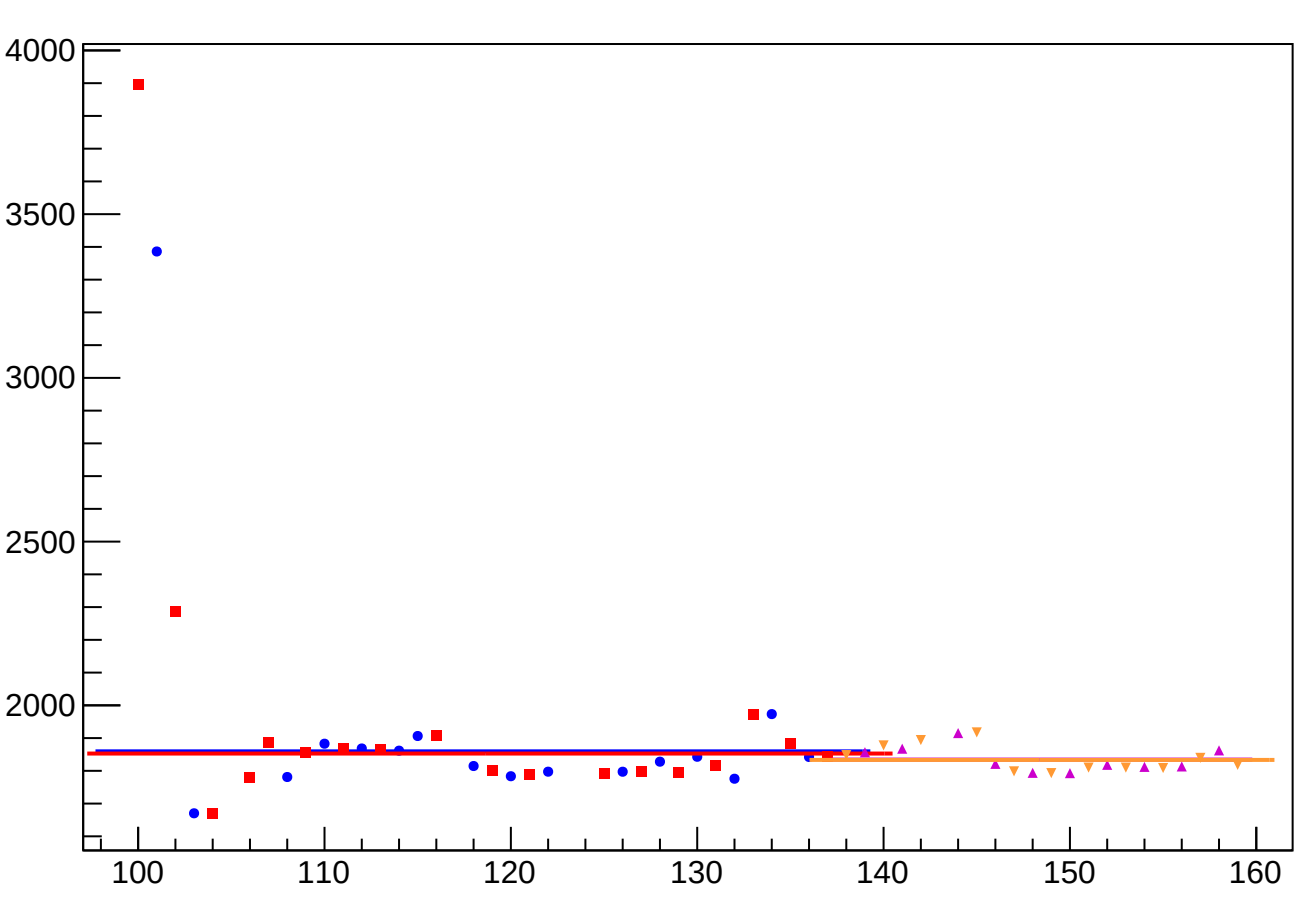
Left: 3946.148+/-439.023 χ^2/NDF: 37.0/20

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4905.802+/-464.307 χ^2/NDF:29.1/25

Out: 3396.067+/-463.124 χ^2/NDF:27.3/28

All: 4149.010+/-327.896 χ^2/NDF: 61.7/54



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1833.337+/-0.439 χ^2/NDF:7544.2/10

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

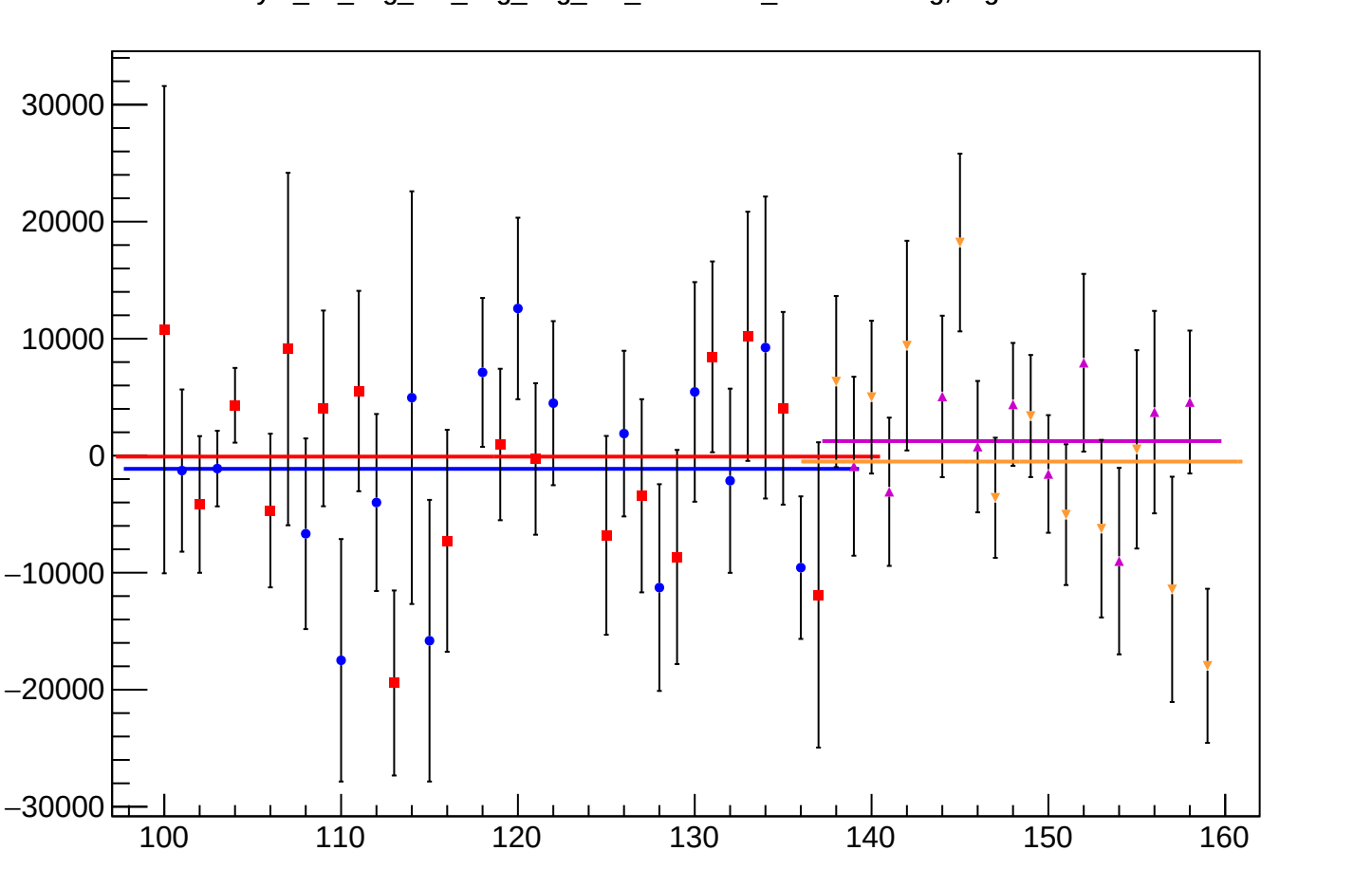
Left: 1833.836+/-0.310 χ^2/NDF: 14496.8/20

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1845.446+/-0.328 χ^2/NDF:300735.8/25

Out: 1841.973+/-0.327 χ^2/NDF:110166.4/28

All: 1843.703+/-0.232 χ^2/NDF: 410958.4/54



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -502.305+/-2043.845 χ^2/NDF:19.3/10

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1247.692+/-2025.192 χ^2/NDF:4.3/9

Left: 380.715+/-1438.577 χ^2/NDF: 24.0/20

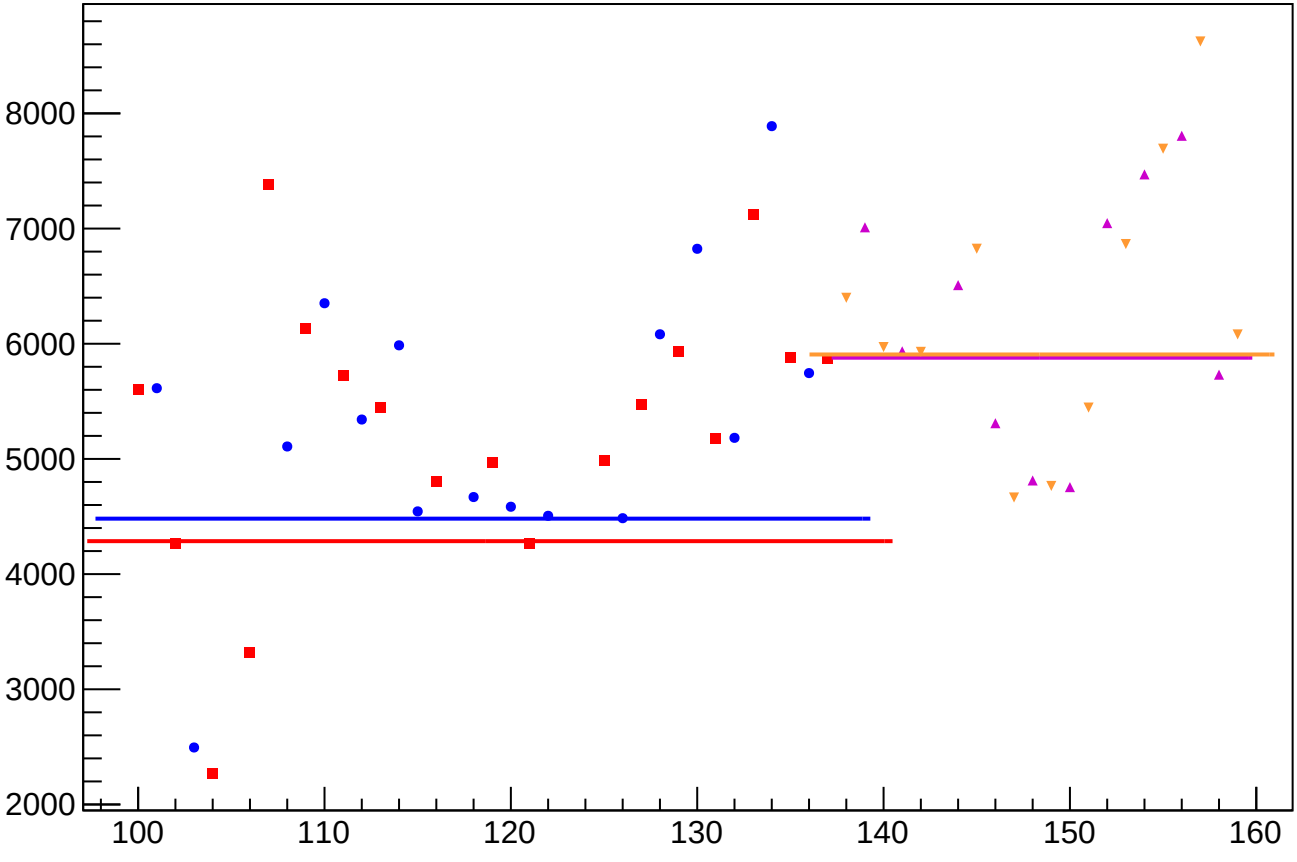
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -105.802+/-1327.528 χ^2/NDF:19.9/25

Out: -251.964+/-1308.093 χ^2/NDF:34.8/28

All: -179.960+/-931.757 χ^2/NDF: 54.7/54

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: 5906.810+/-1.445 χ^2/NDF:544519.5/10

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

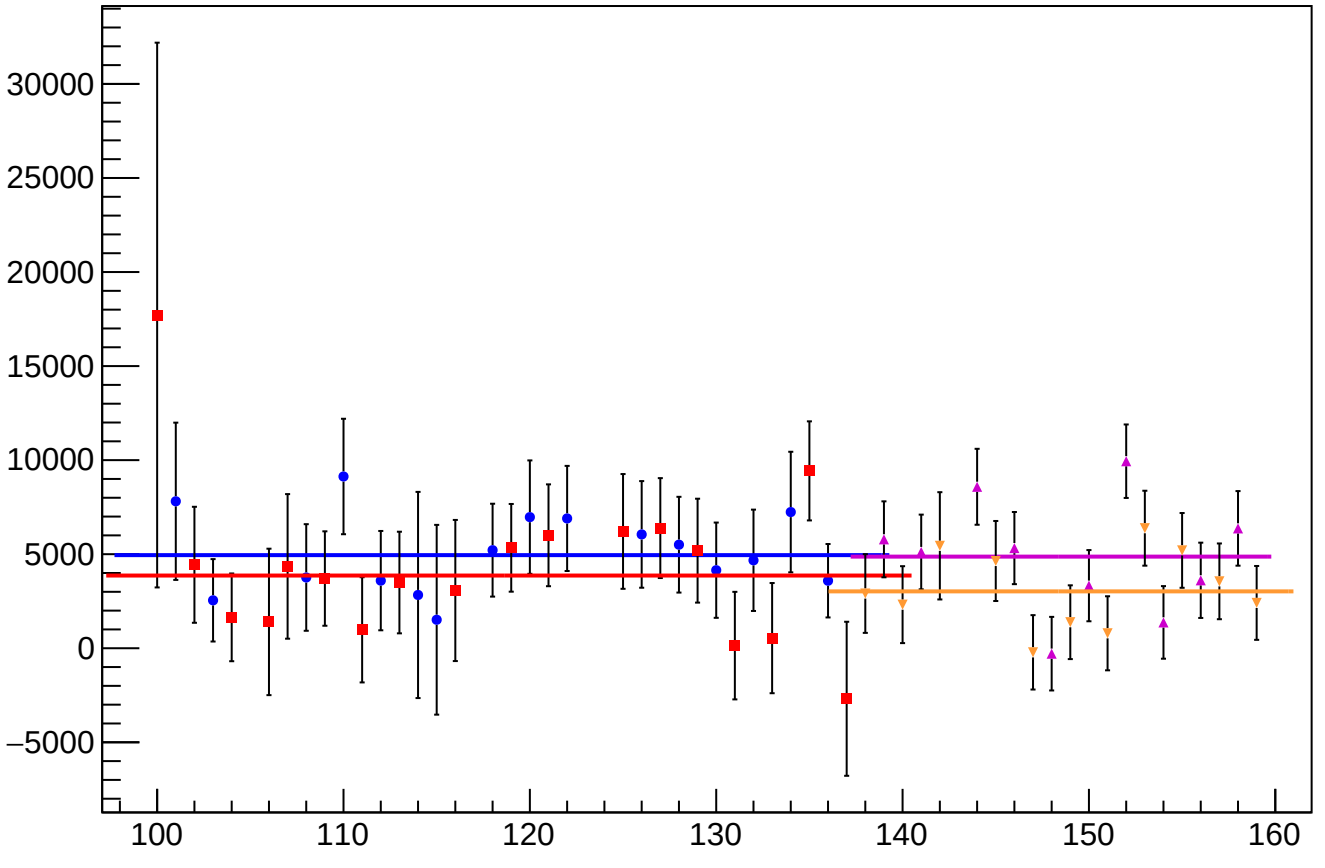
Left: 5892.723+/-1.017 χ^2/NDF: 1035646.4/20

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5081.956+/-0.939 χ^2/NDF:2396236.5/25

Out: 4949.990+/-0.925 χ^2/NDF:2836814.9/28

All: 5015.000+/-0.659 χ^2/NDF: 5243078.9/54



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3023.094+/-620.567 χ^2/NDF:10.3/10

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4871.019+/-621.177 χ^2/NDF:22.3/9

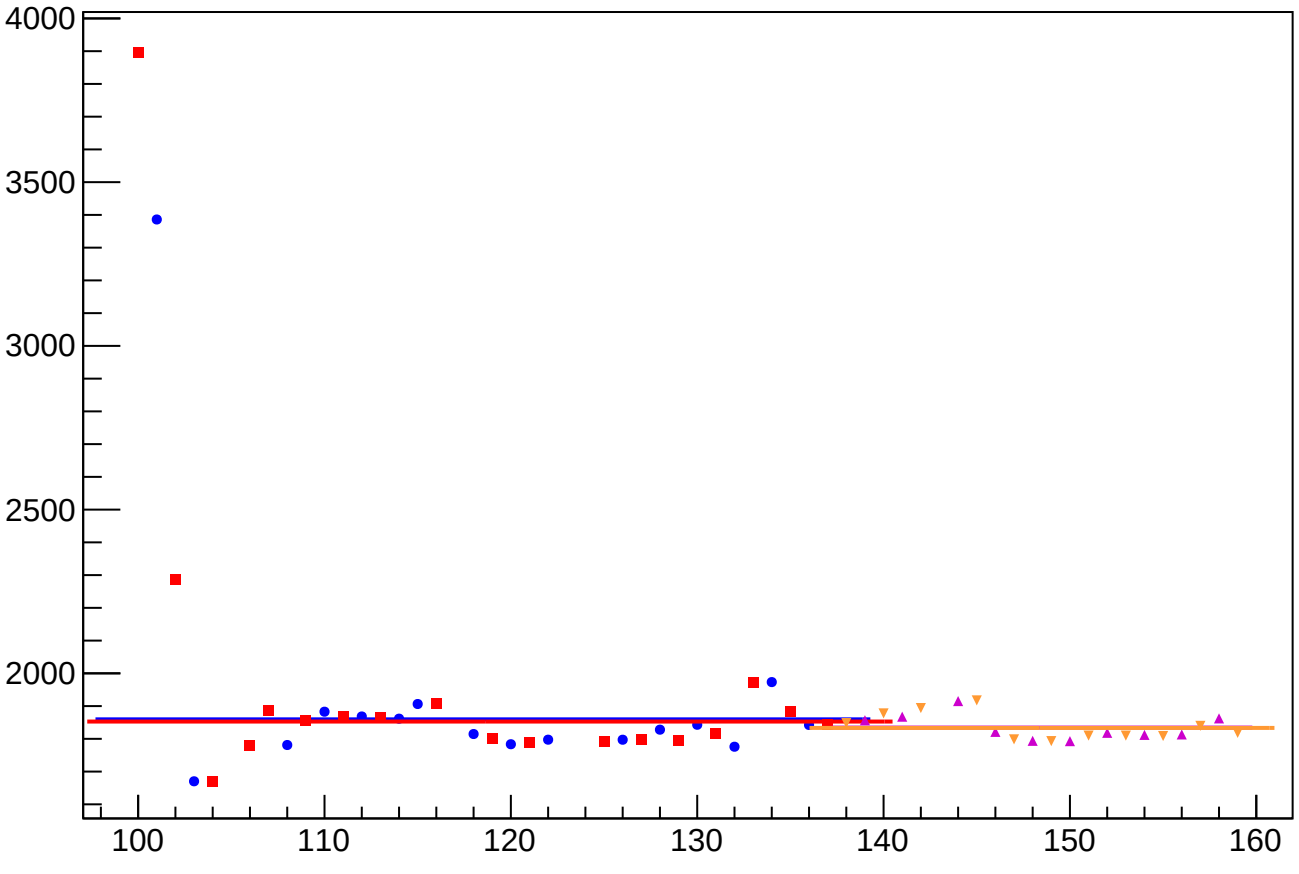
Left: 3946.148+/-439.023 χ^2/NDF: 37.0/20

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4905.802+/-464.307 χ^2/NDF:29.1/25

Out: 3396.067+/-463.124 χ^2/NDF:27.3/28

All: 4149.010+/-327.896 χ^2/NDF: 61.7/54



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1833.337+/-0.439 χ^2/NDF:7544.2/10

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

Left: 1833.836+/-0.310 χ^2/NDF: 14496.8/20

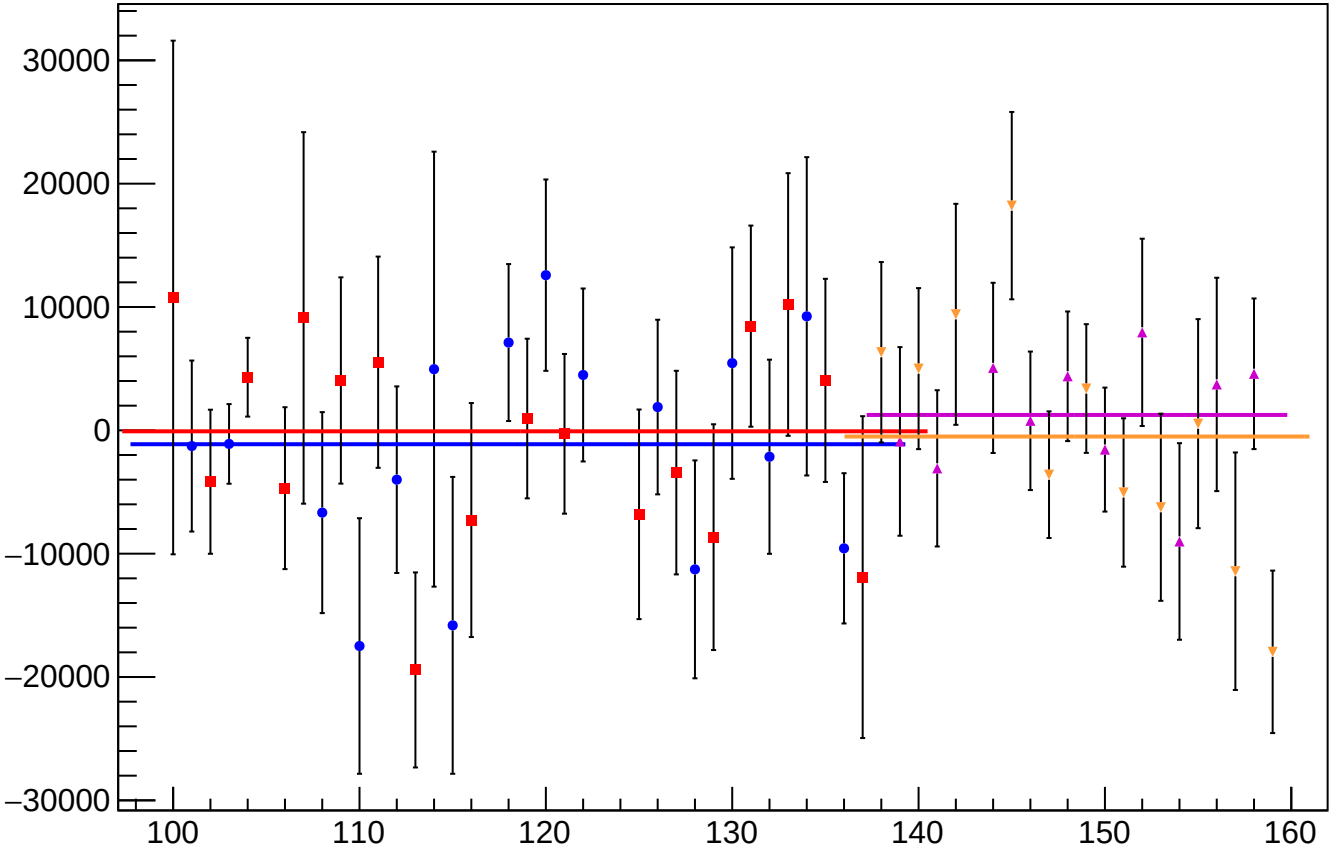
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1845.446+/-0.328 χ^2/NDF:300735.8/25

Out: 1841.973+/-0.327 χ^2/NDF:110166.4/28

All: 1843.703+/-0.232 χ^2/NDF: 410958.4/54

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -502.305+/-2043.845 χ^2/NDF:19.3/10

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1247.692+/-2025.192 χ^2/NDF:4.3/9

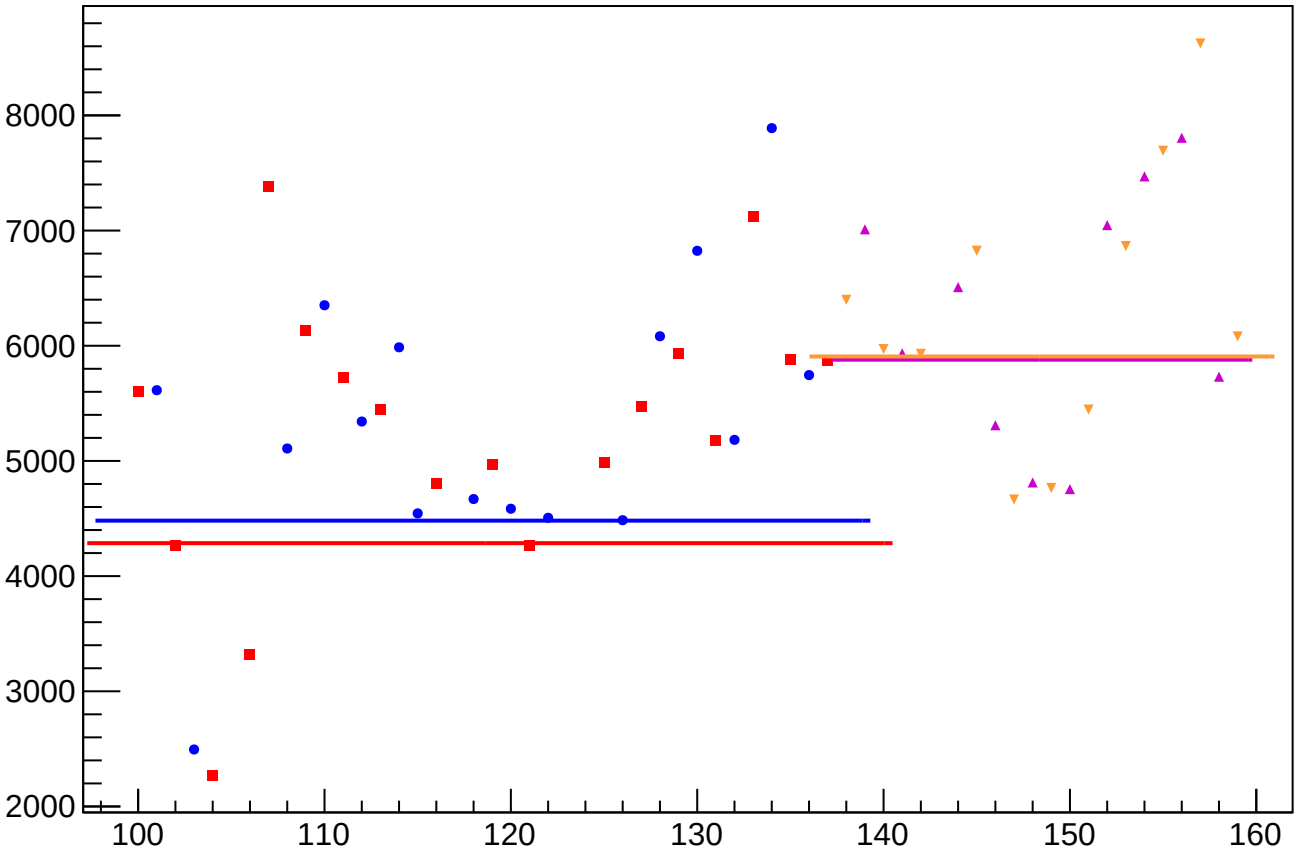
Left: 380.715+/-1438.577 χ^2/NDF: 24.0/20

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -105.802+/-1327.528 χ^2/NDF:19.9/25

Out: -251.964+/-1308.093 χ^2/NDF:34.8/28

All: -179.960+/-931.757 χ^2/NDF: 54.7/54



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5906.810+/-1.445 χ^2/NDF:544519.5/10

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

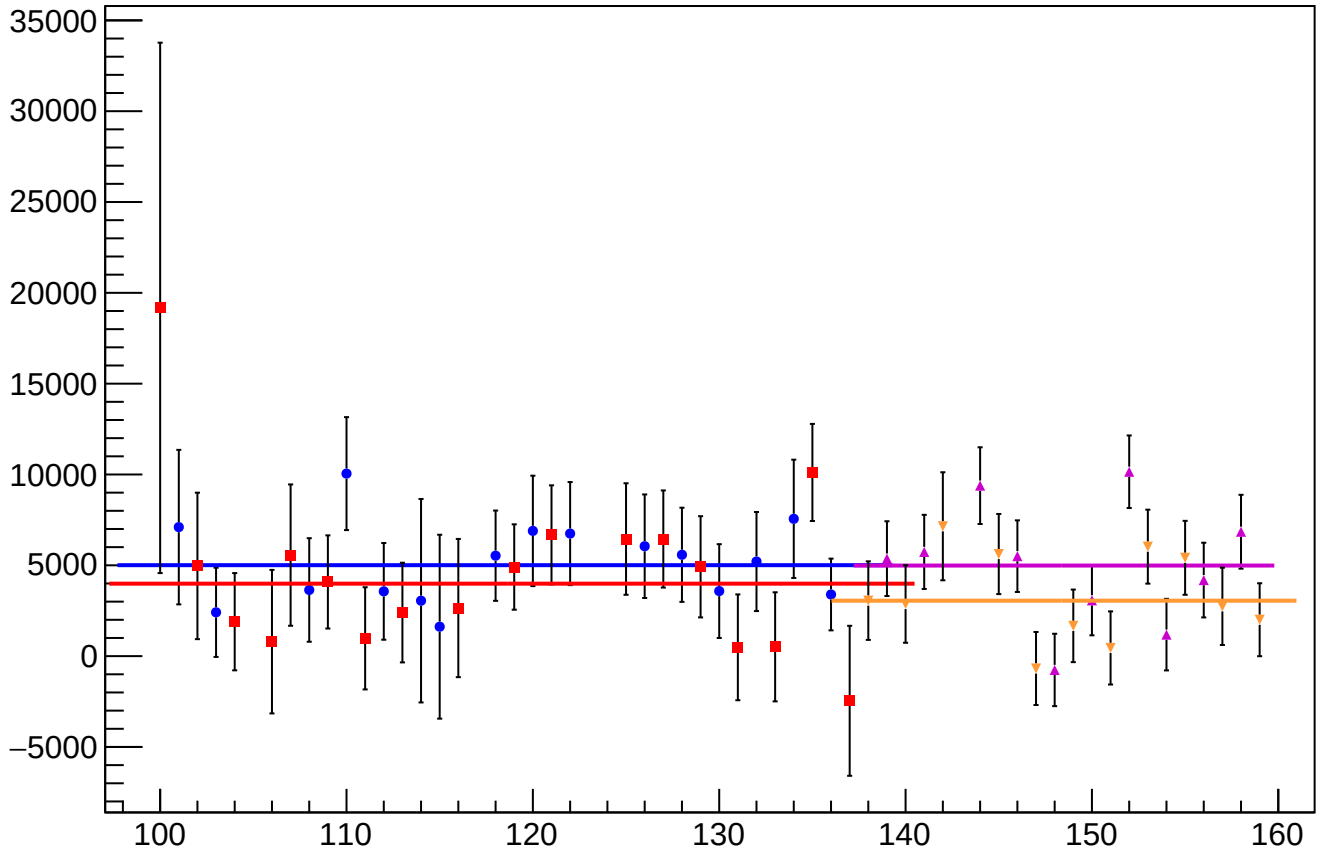
Left: 5892.723+/-1.017 χ^2/NDF: 1035646.4/20

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5081.956+/-0.939 χ^2/NDF:2396236.5/25

Out: 4949.990+/-0.925 χ^2/NDF:2836814.9/28

All: 5015.000+/-0.659 χ^2/NDF: 5243078.9/54



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3051.841+/-639.071 χ^2/NDF:12.6/10

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4987.022+/-636.795 χ^2/NDF:25.3/9

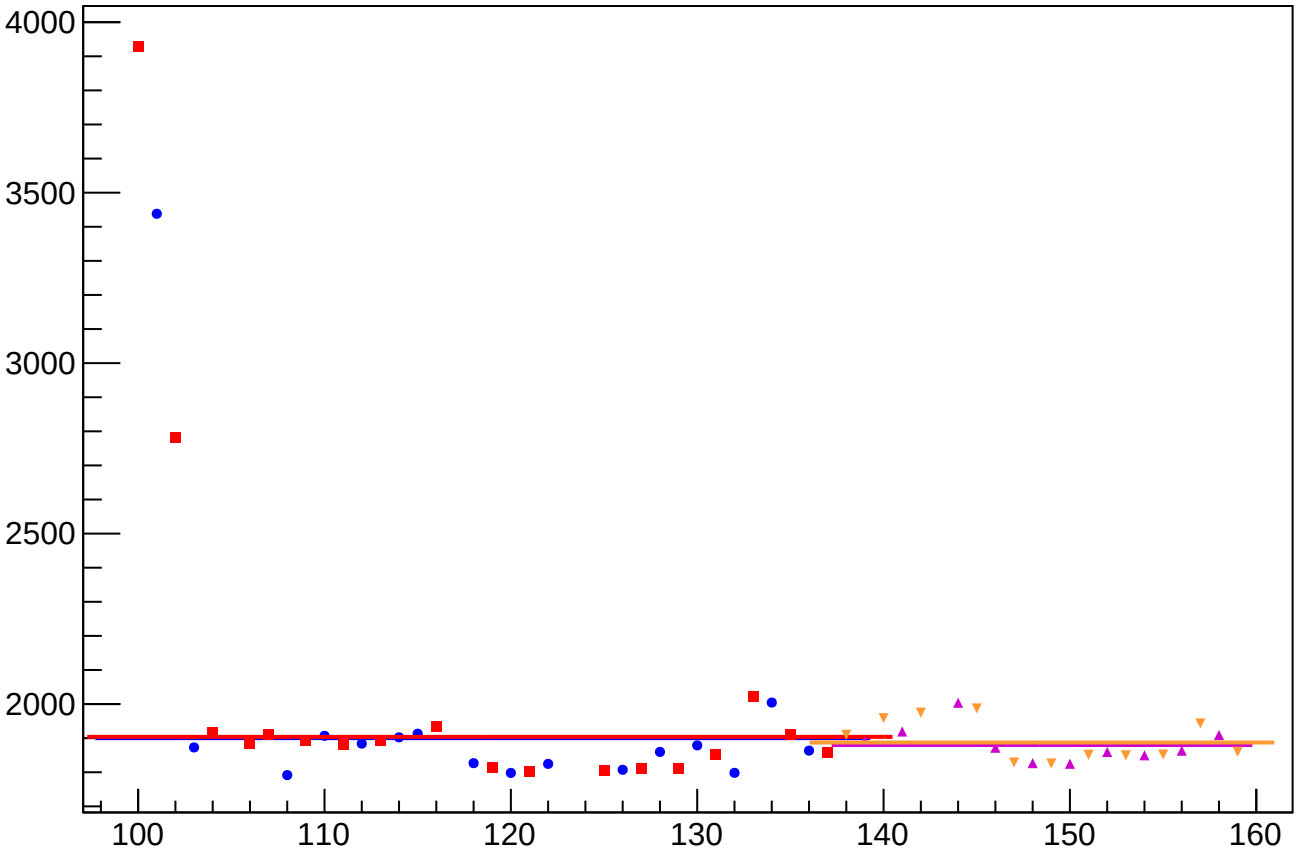
Left: 4022.884+/-451.085 χ^2/NDF: 42.5/20

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4996.012+/-475.261 χ^2/NDF:33.0/25

Out: 3465.524+/-477.668 χ^2/NDF:31.0/28

All: 4234.635+/-336.908 χ^2/NDF: 69.1/54



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1887.341+/-0.452 χ^2/NDF:15565.3/10

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1880.026+/-0.450 χ^2/NDF:12023.1/9

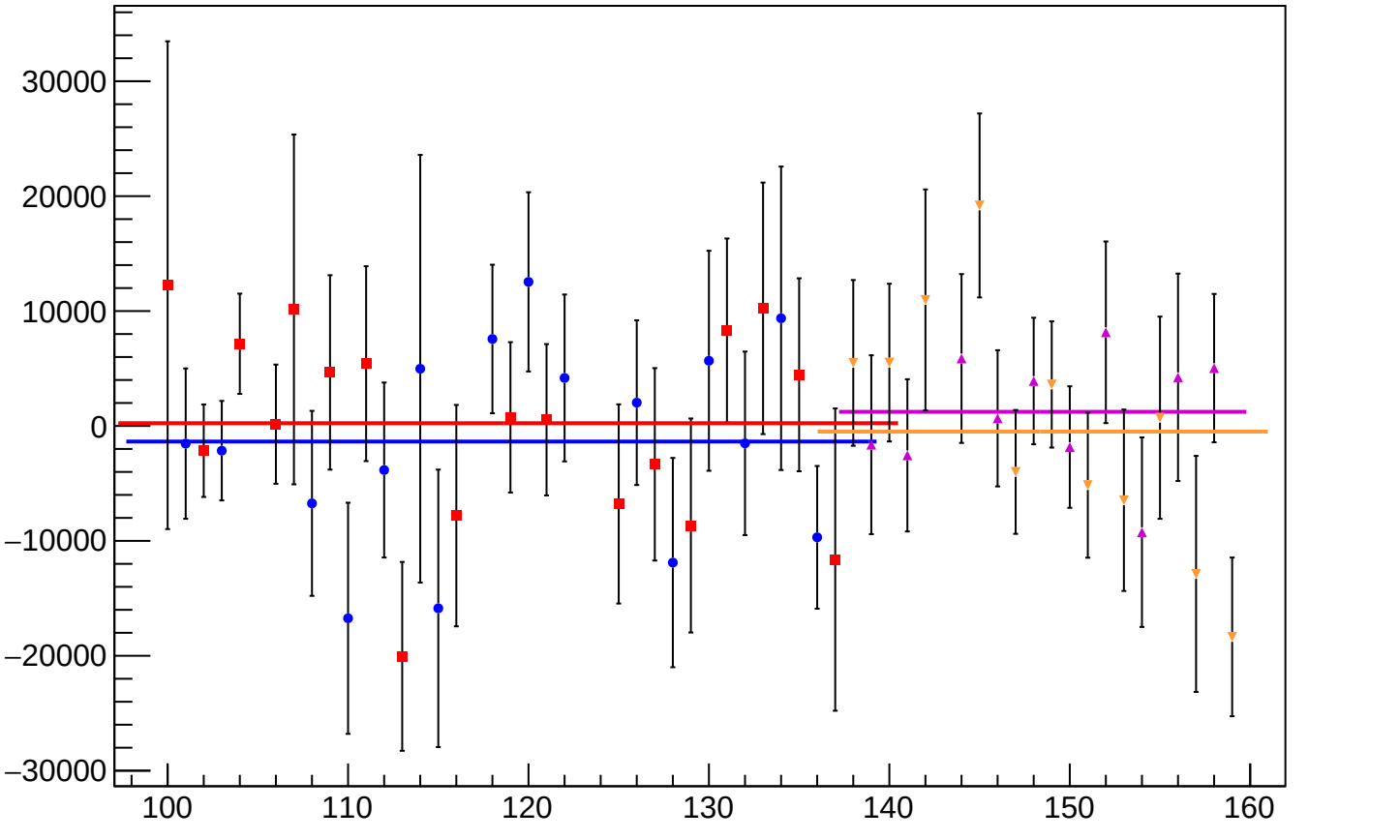
Left: 1883.671+/-0.319 χ^2/NDF: 27719.9/20

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1888.924+/-0.336 χ^2/NDF:291352.7/25

Out: 1894.626+/-0.338 χ^2/NDF:166269.2/28

All: 1891.762+/-0.238 χ^2/NDF: 457765.2/54



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -492.372+/-2137.063 χ^2/NDF:19.2/10

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1230.434+/-2122.246 χ^2/NDF:4.3/9

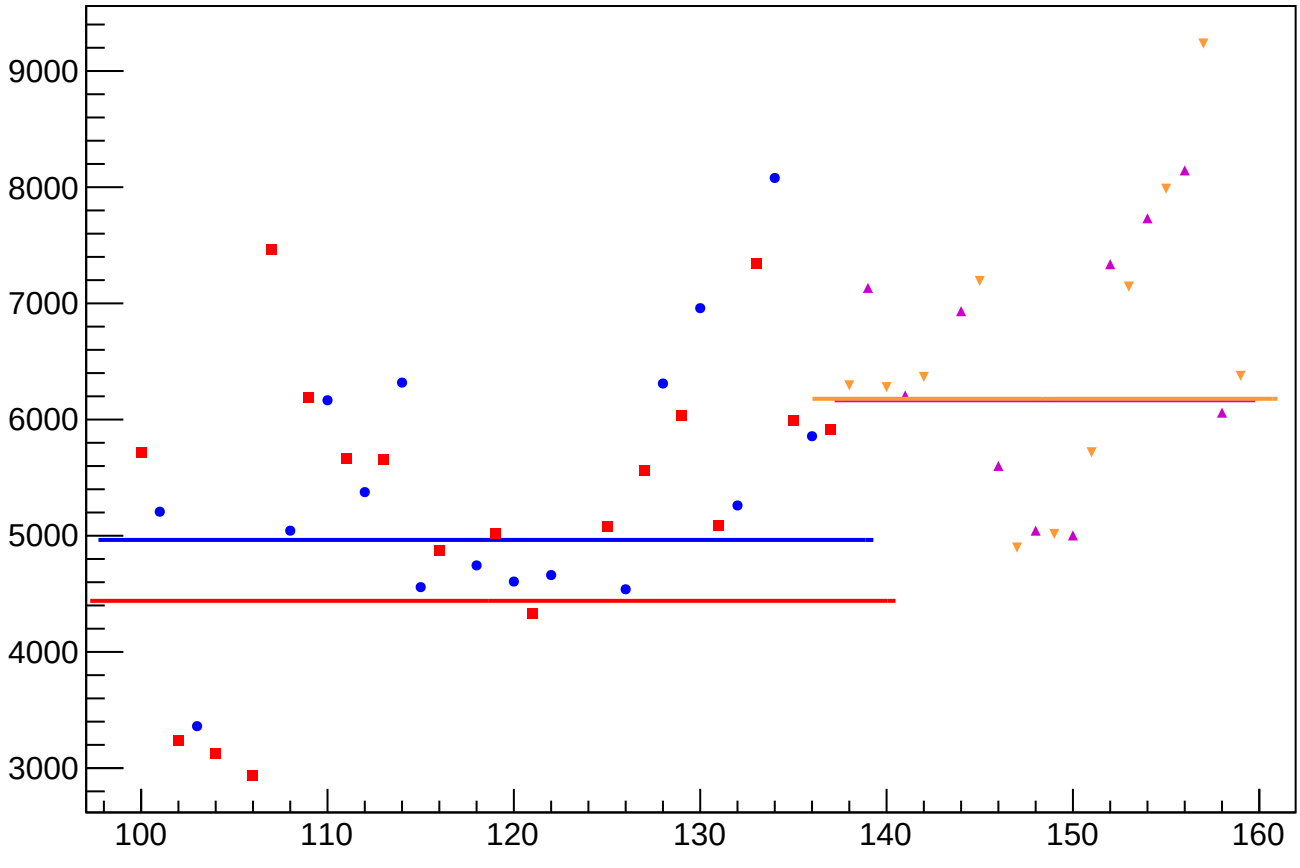
Left: 375.024+/-1505.866 χ^2/NDF: 23.8/20

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -208.300+/-1413.917 χ^2/NDF:19.8/25

Out: -45.719+/-1336.454 χ^2/NDF:35.0/28

All: -122.434+/-971.247 χ^2/NDF: 54.8/54



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6178.713+/-1.511 χ^2/NDF:540316.3/10

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6165.859+/-1.501 χ^2/NDF:463538.7/9

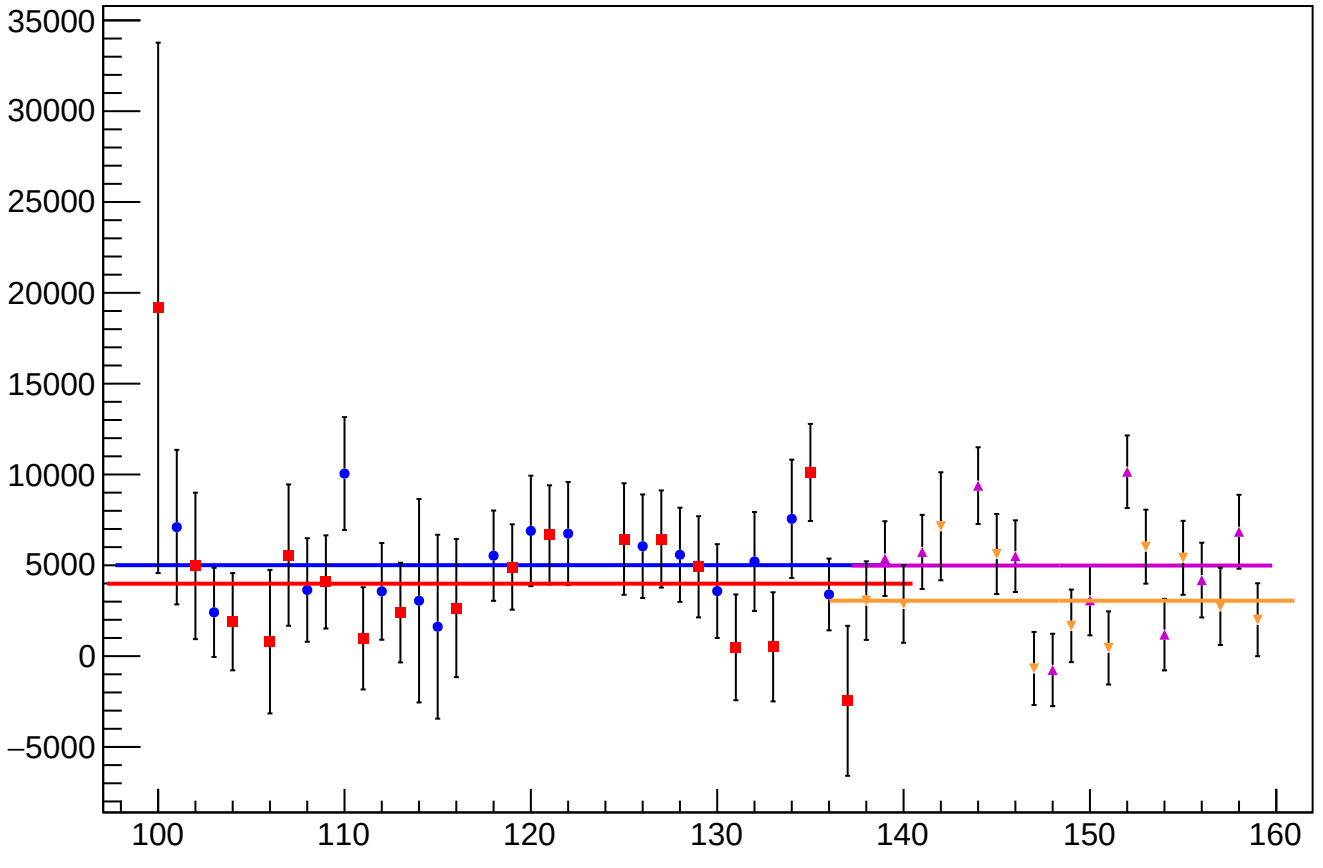
Left: 6172.241+/-1.065 χ^2/NDF: 1003891.4/20

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5497.469+/-1.000 χ^2/NDF:1447631.7/25

Out: 5119.790+/-0.945 χ^2/NDF:2505260.4/28

All: 5298.001+/-0.687 χ^2/NDF: 4028258.6/54



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3051.834+/-639.072 χ^2/NDF:12.6/10

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4987.023+/-636.796 χ^2/NDF:25.3/9

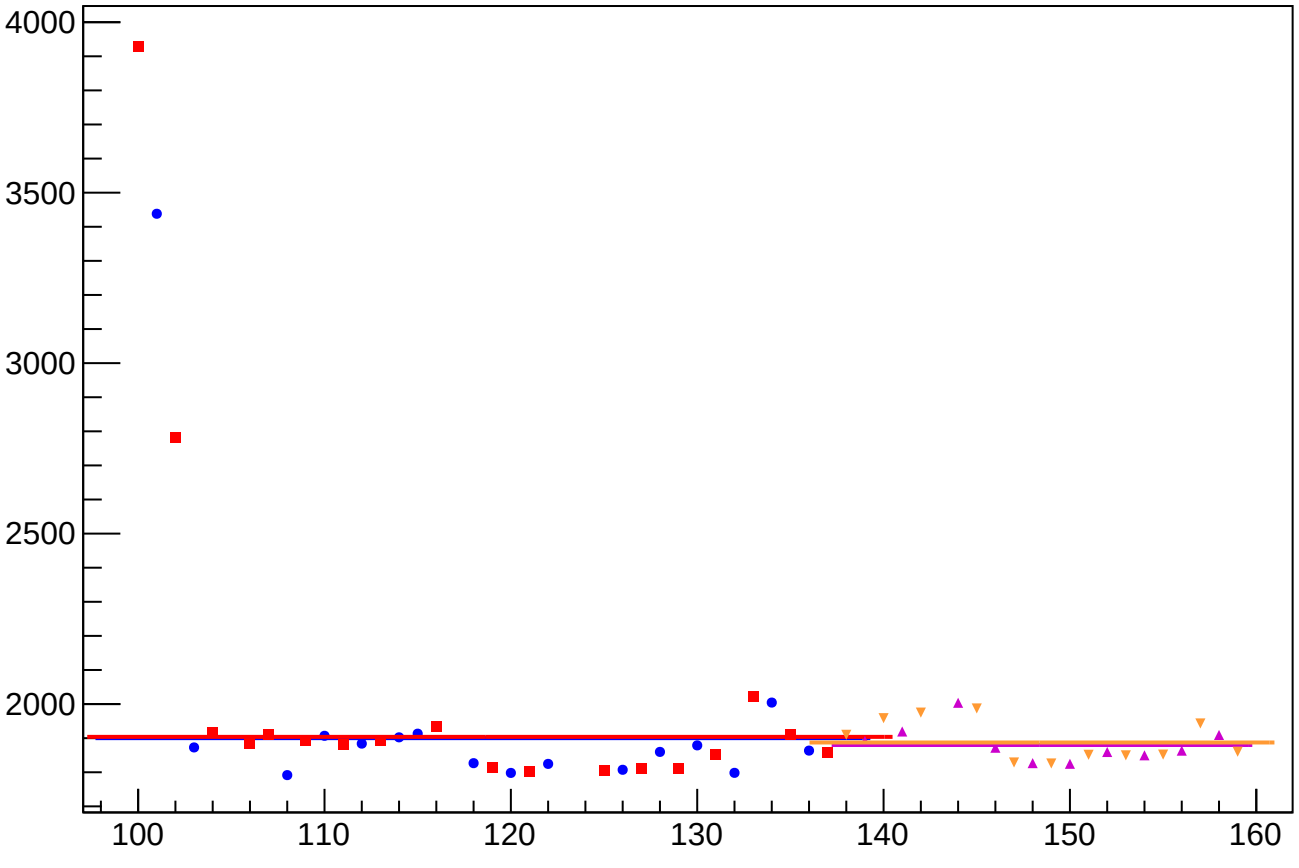
Left: 4022.881+/-451.085 χ^2/NDF: 42.5/20

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4996.012+/-475.261 χ^2/NDF:33.0/25

Out: 3465.521+/-477.668 χ^2/NDF:31.0/28

All: 4234.633+/-336.908 χ^2/NDF: 69.1/54



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1887.342+/-0.452 χ^2/NDF:15565.5/10

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1880.028+/-0.450 χ^2/NDF:12023.3/9

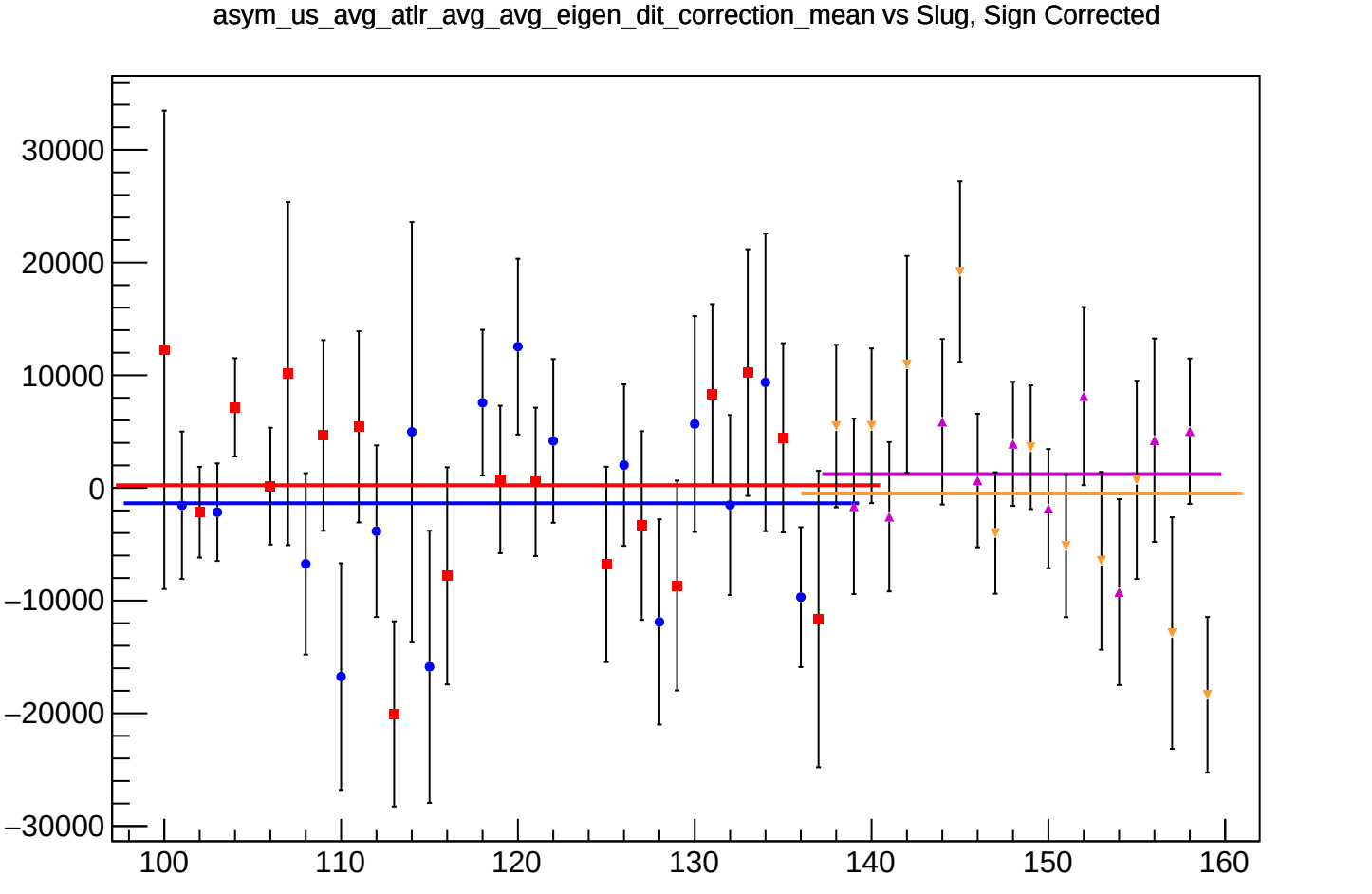
Left: 1883.672+/-0.319 χ^2/NDF: 27720.3/20

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1888.924+/-0.336 χ^2/NDF:291353.0/25

Out: 1894.626+/-0.338 χ^2/NDF:166268.6/28

All: 1891.762+/-0.238 χ^2/NDF: 457764.9/54



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -492.381+/-2137.066 χ^2/NDF:19.2/10

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1230.435+/-2122.249 χ^2/NDF:4.3/9

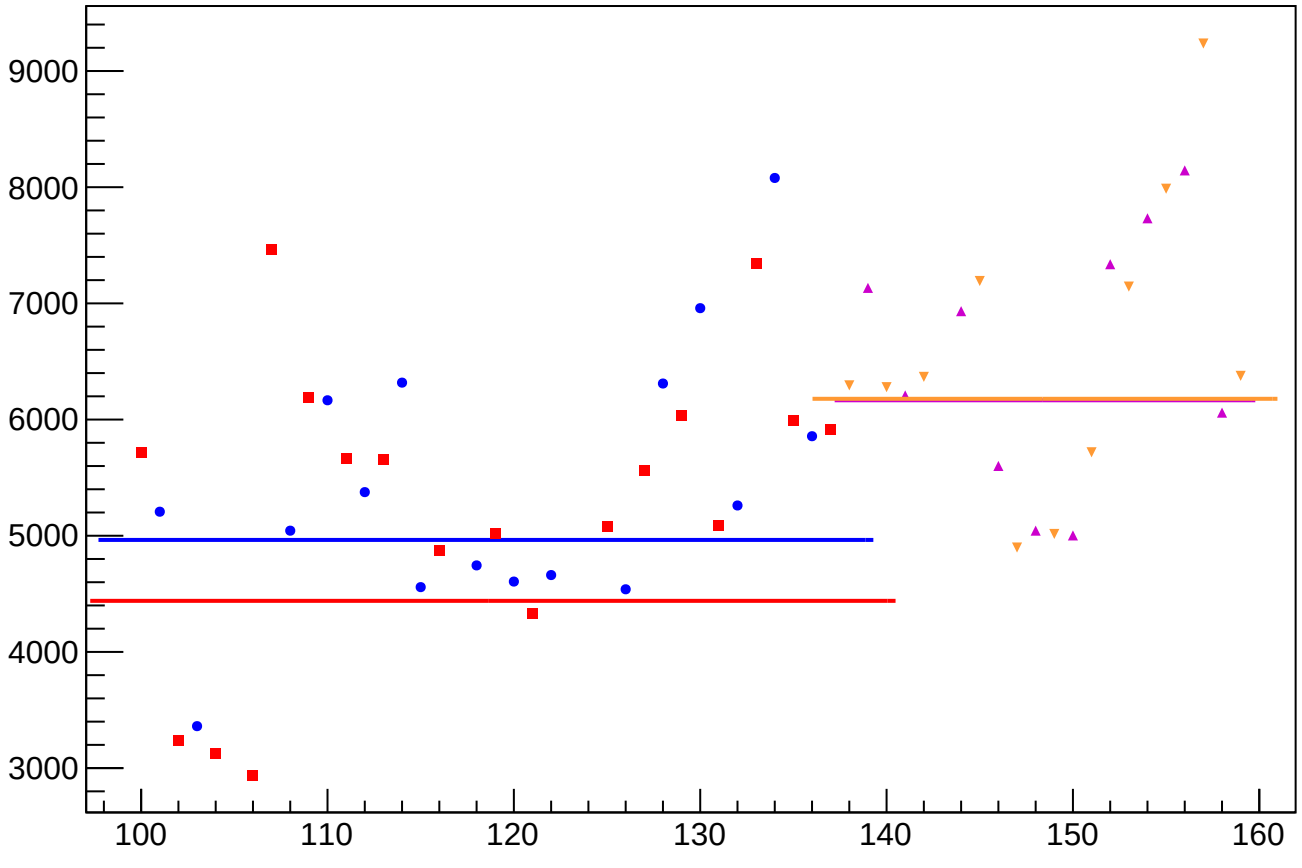
Left: 375.020+/-1505.868 χ^2/NDF: 23.8/20

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -208.298+/-1413.916 χ^2/NDF:19.8/25

Out: -45.720+/-1336.453 χ^2/NDF:35.0/28

All: -122.434+/-971.246 χ^2/NDF: 54.8/54



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6178.721+/-1.511 χ^2/NDF:540317.7/10

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6165.868+/-1.501 χ^2/NDF:463539.2/9

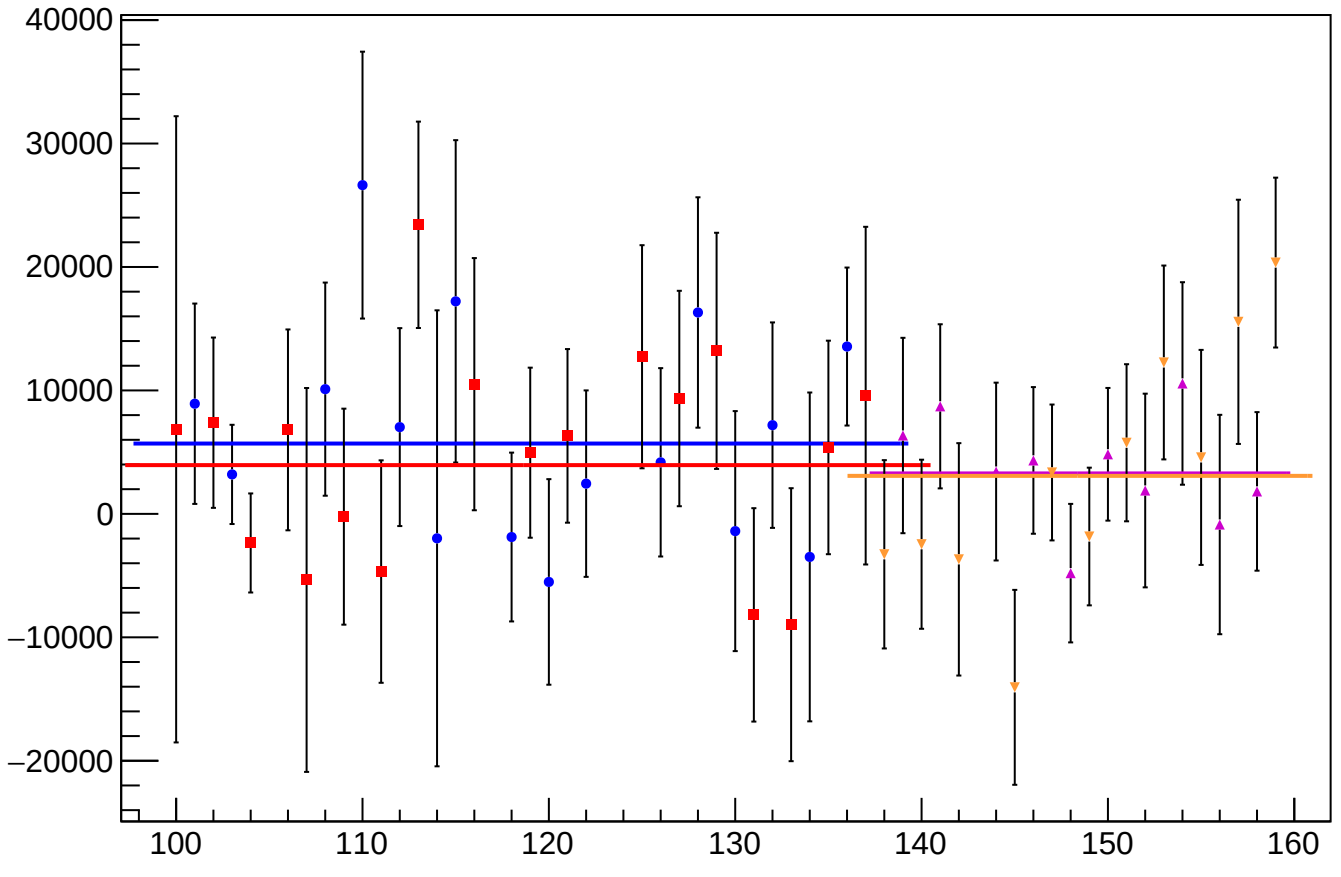
Left: 6172.250+/-1.065 χ^2/NDF: 1003893.4/20

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5497.463+/-1.000 χ^2/NDF:1447647.9/25

Out: 5119.783+/-0.945 χ^2/NDF:2505280.1/28

All: 5297.994+/-0.687 χ^2/NDF: 4028295.1/54



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3079.214+/-2149.371 χ^2/NDF:16.8/10

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3276.464+/-2128.962 χ^2/NDF:4.1/9

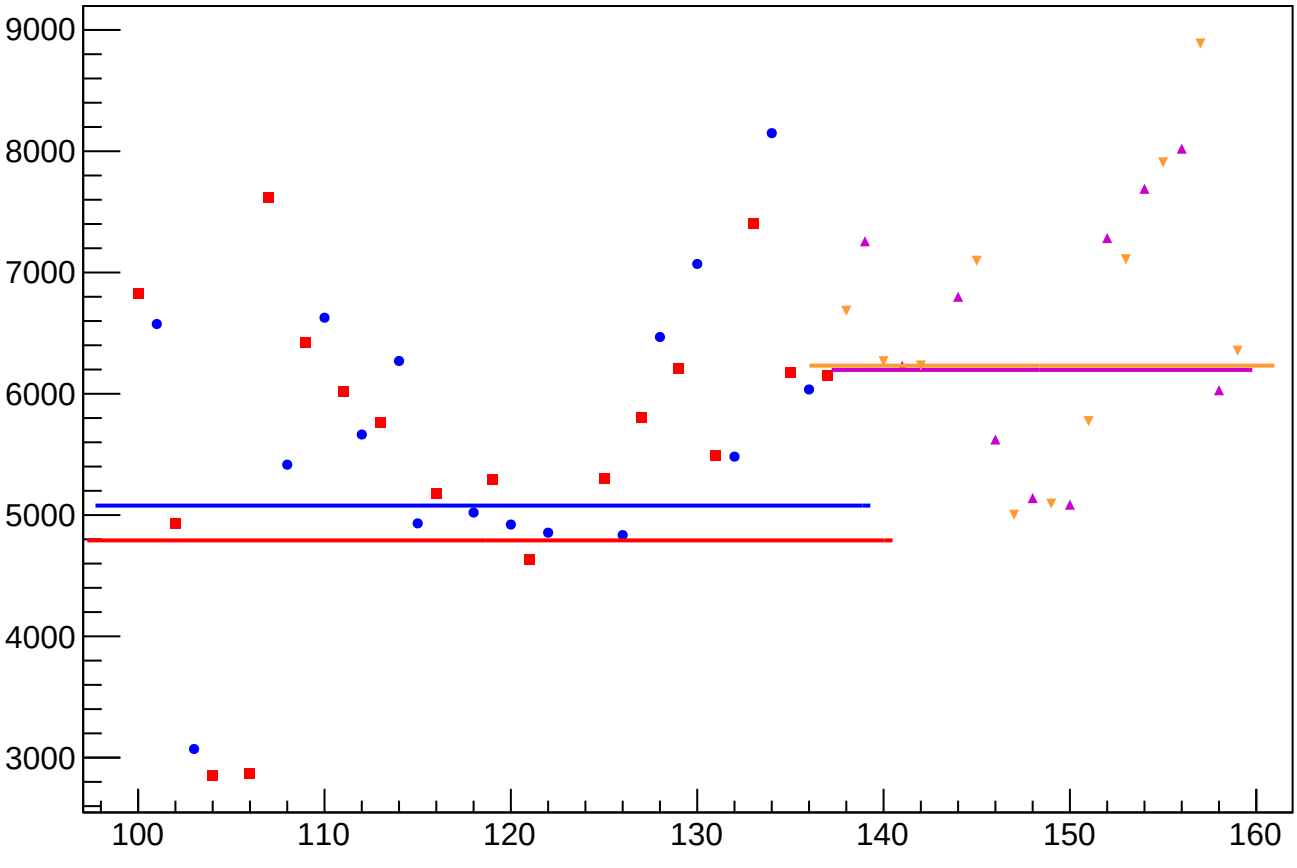
Left: 3178.780+/-1512.568 χ^2/NDF: 20.9/20

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4587.182+/-1441.655 χ^2/NDF:17.4/25

Out: 3563.066+/-1432.138 χ^2/NDF:33.0/28

All: 4071.733+/-1016.022 χ^2/NDF: 50.7/54



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6232.143+/-1.520 χ^2/NDF:468391.2/10

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6196.780+/-1.505 χ^2/NDF:415539.1/9

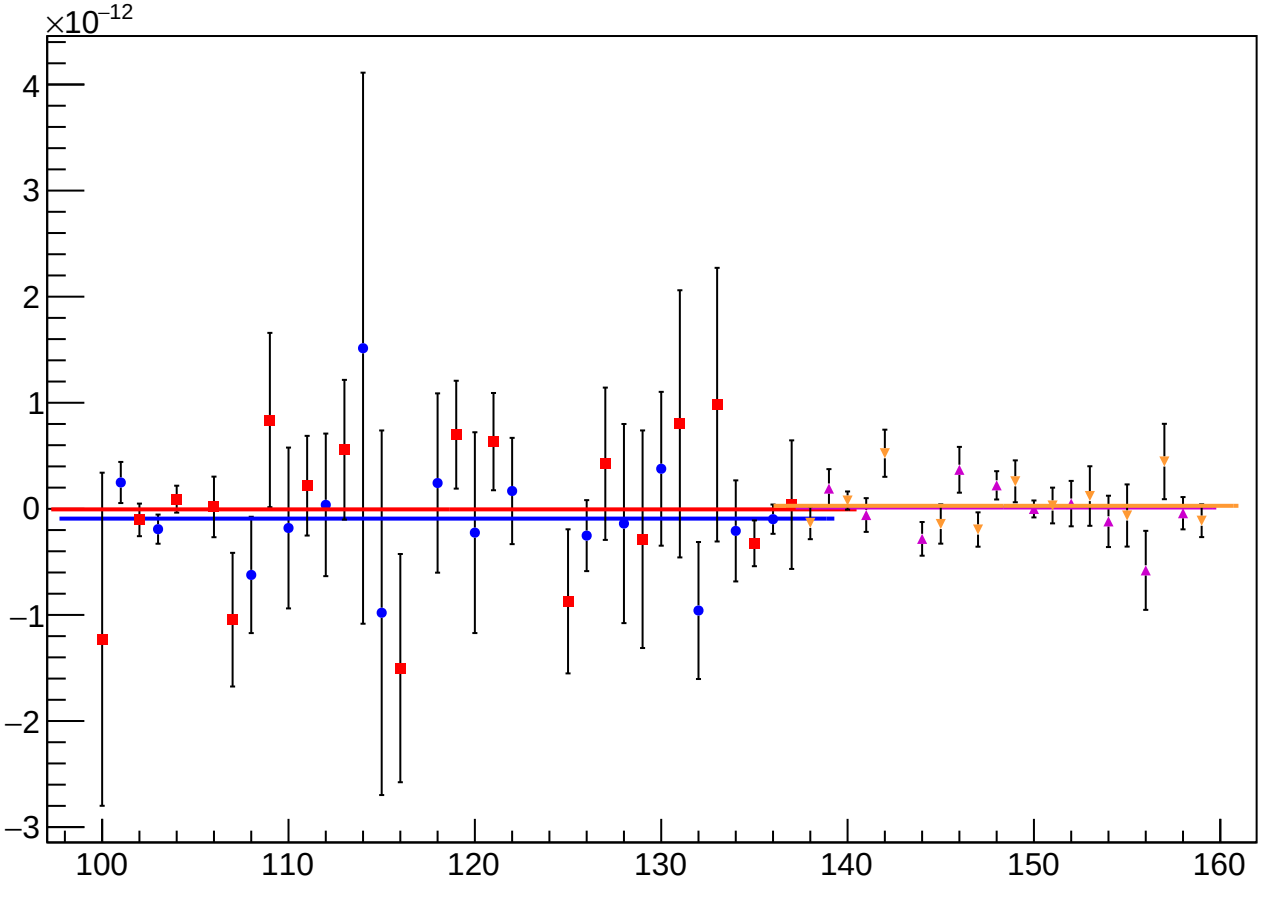
Left: 6214.293+/-1.070 χ^2/NDF: 884203.5/20

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5591.092+/-1.019 χ^2/NDF:1633718.2/25

Out: 5416.460+/-1.001 χ^2/NDF:2139696.6/28

All: 5502.202+/-0.714 χ^2/NDF: 3788352.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.8/9

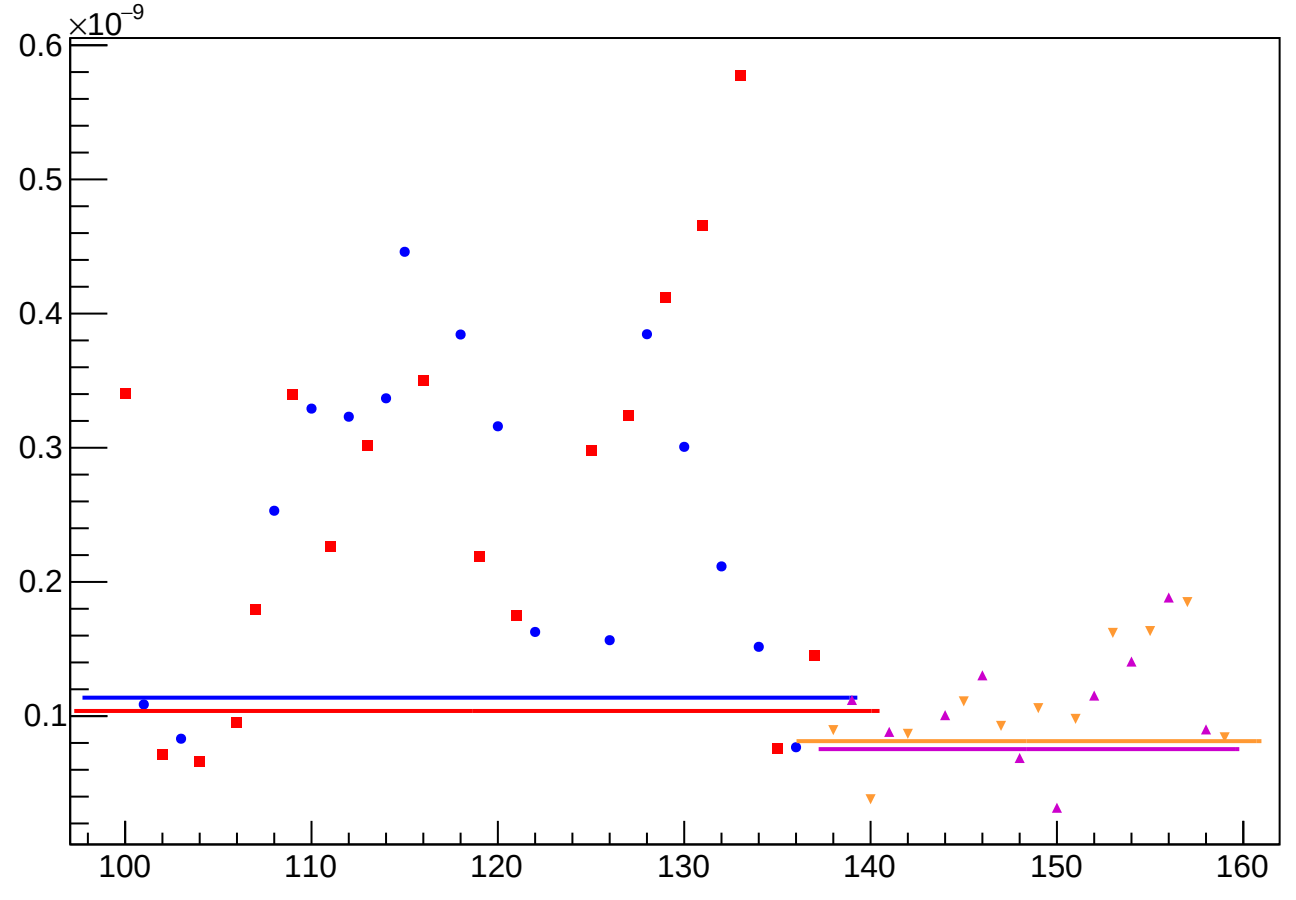
Left: 0.000+/-0.000 χ^2/NDF: 25.8/20

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:22.3/25

Out: 0.000+/-0.000 χ^2/NDF:30.5/28

All: 0.000+/-0.000 χ^2/NDF: 53.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1120800.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1294621.2/9

Left: 0.000+/-0.000 χ^2/NDF: 2430114.3/20

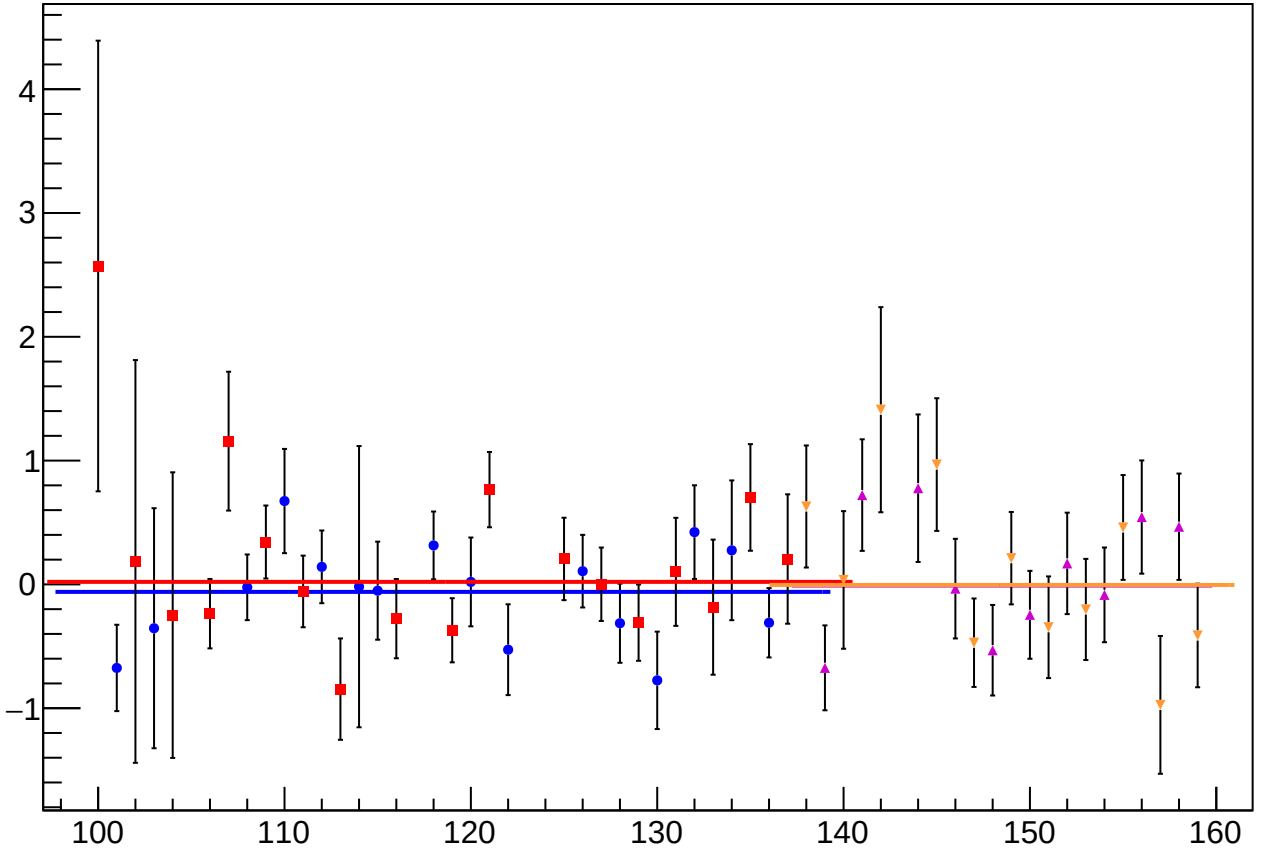
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3170983.7/25

Out: 0.000+/-0.000 χ^2/NDF:3328100.1/28

All: 0.000+/-0.000 χ^2/NDF: 6501403.9/54

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: -0.004+/-0.136 χ^2/NDF:16.0/10

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: -0.007+/-0.093 χ^2/NDF: 29.6/20

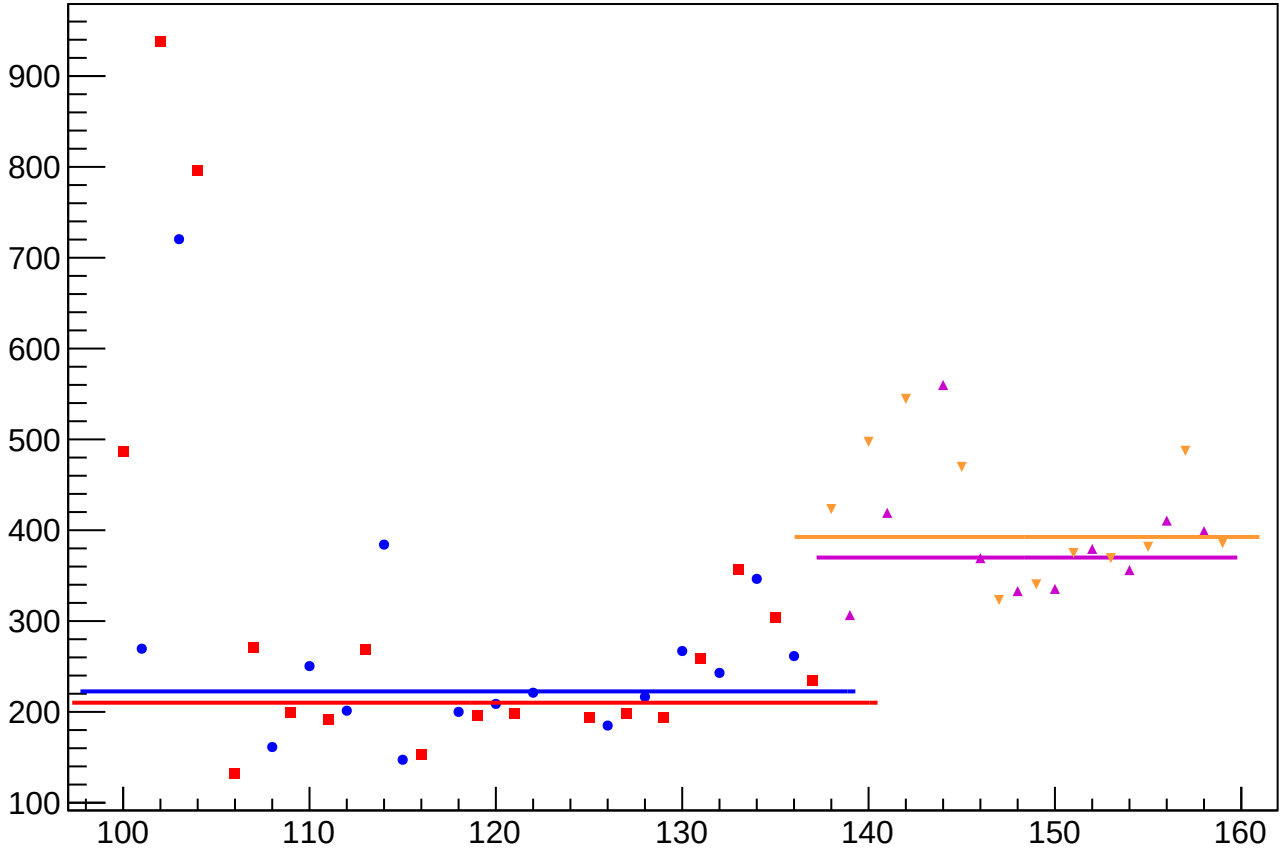
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.016+/-0.052 χ^2/NDF: 73.4/54

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: 392.575+/-0.096 χ^2/NDF:372356.1/10

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

Left: 380.557+/-0.066 χ^2/NDF: 764938.9/20

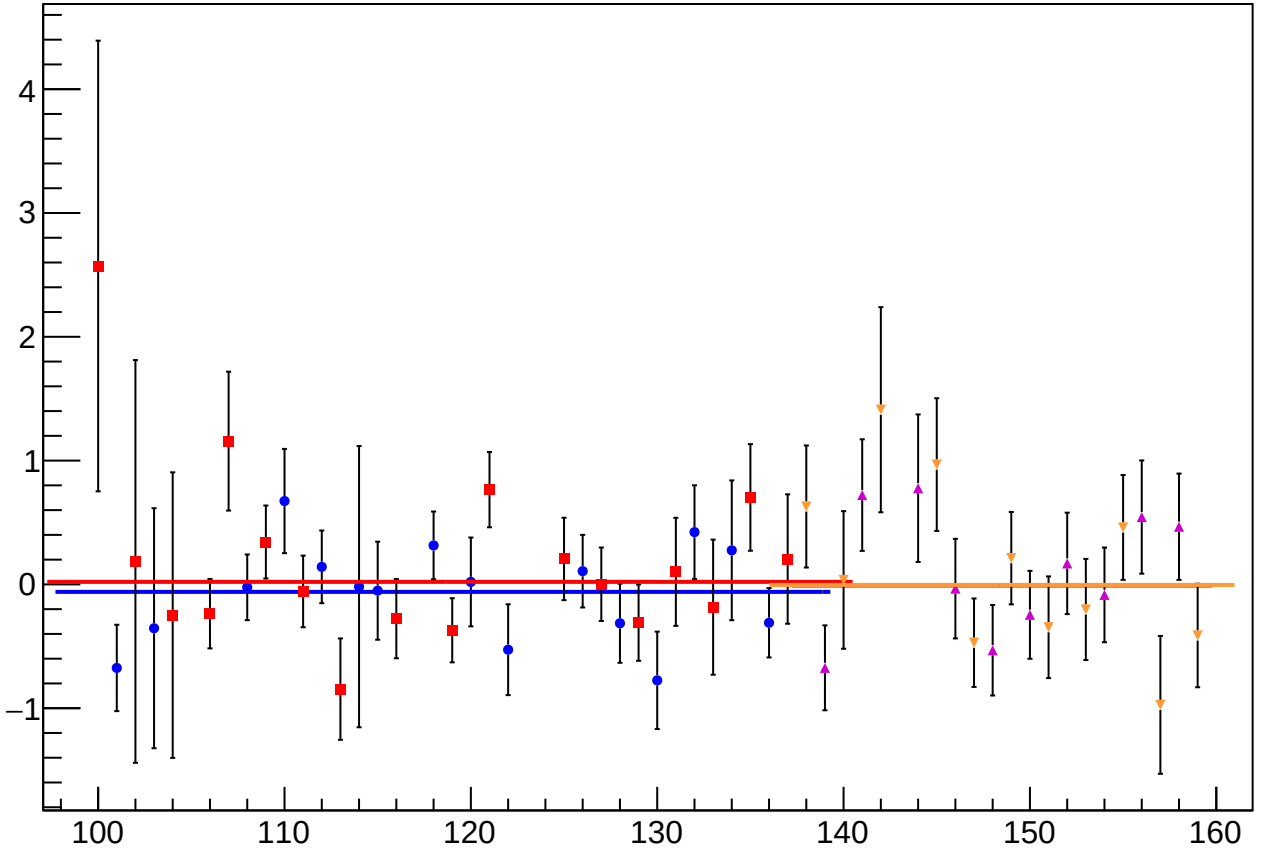
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 270.245+/-0.052 χ^2/NDF:3169846.3/25

Out: 263.261+/-0.052 χ^2/NDF:4457613.0/28

All: 266.786+/-0.037 χ^2/NDF: 7636545.5/54

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: -0.004+/-0.136 χ^2/NDF:16.0/10

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: -0.007+/-0.093 χ^2/NDF: 29.6/20

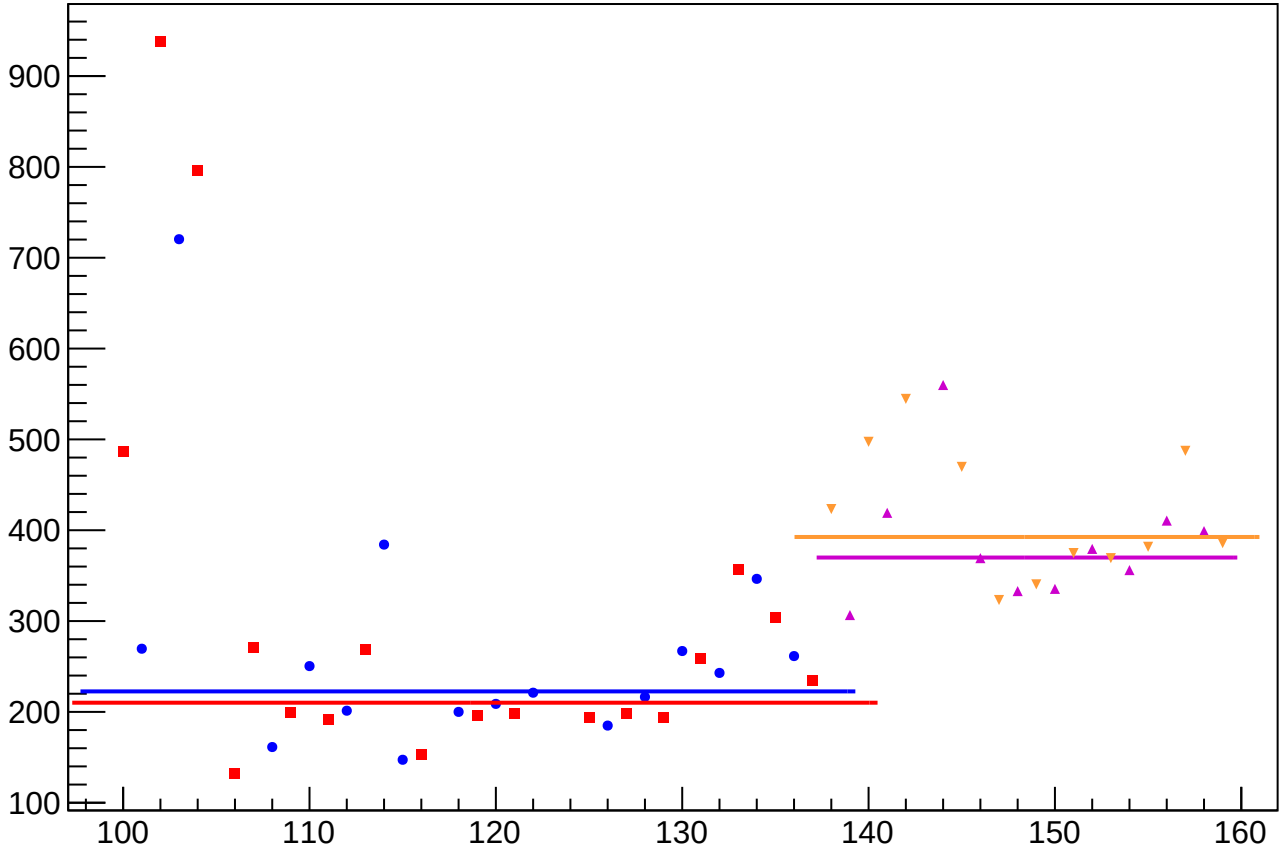
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.016+/-0.052 χ^2/NDF: 73.4/54

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: 392.575+/-0.096 χ^2/NDF:372356.1/10

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

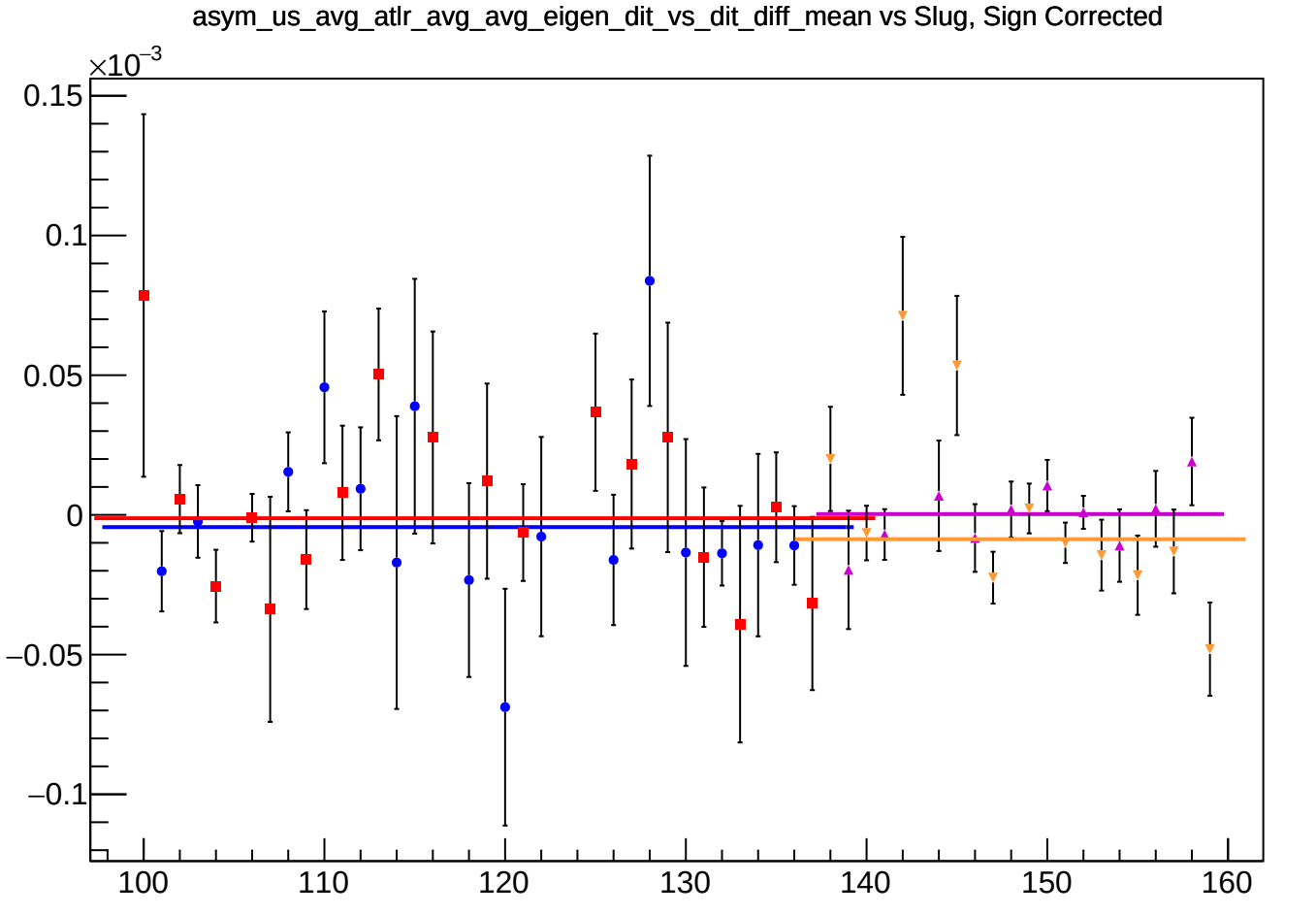
Left: 380.557+/-0.066 χ^2/NDF: 764938.9/20

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

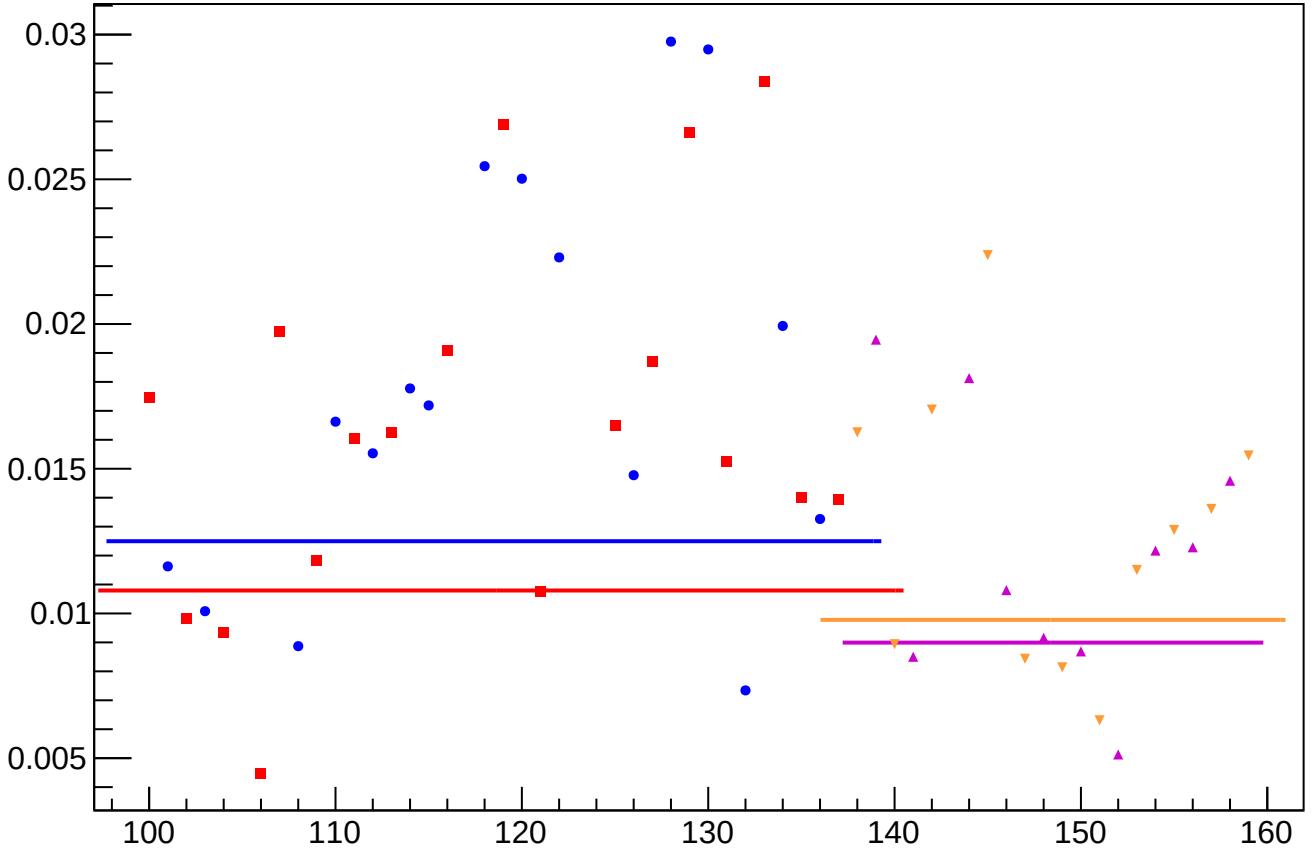
In: 270.245+/-0.052 χ^2/NDF:3169846.3/25

Out: 263.261+/-0.052 χ^2/NDF:4457613.0/28

All: 266.786+/-0.037 χ^2/NDF: 7636545.5/54


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:27.1/10
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:5.6/9
Left: -0.000+/-0.000 χ²/NDF: 36.1/20
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:21.9/25
Out: -0.000+/-0.000 χ²/NDF:46.0/28
All: -0.000+/-0.000 χ²/NDF: 69.3/54

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: 0.010+/-0.000 χ^2/NDF:1965078.3/10

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:2318628.6/9

Left: 0.009+/-0.000 χ^2/NDF: 4335517.7/20

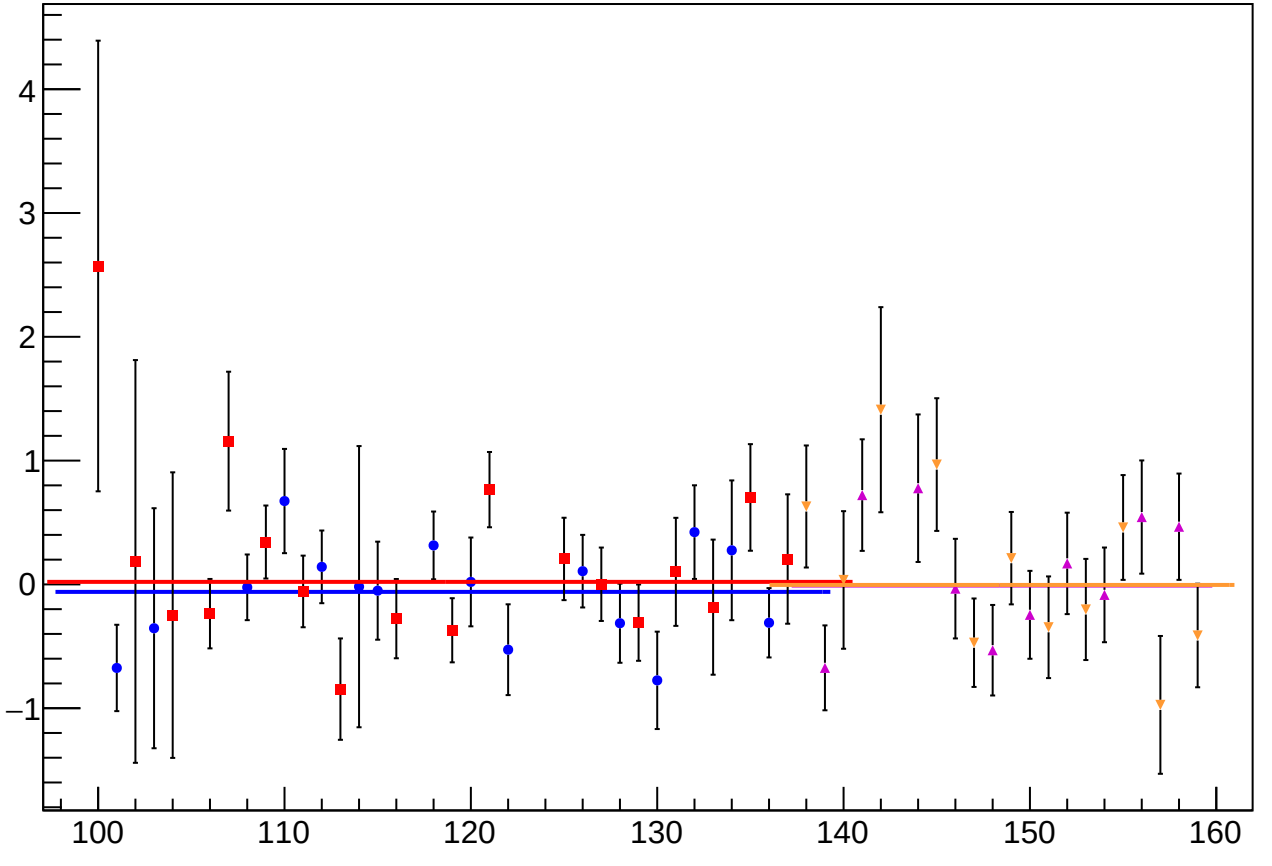
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5096885.9/25

Out: 0.010+/-0.000 χ^2/NDF:5013956.4/28

All: 0.010+/-0.000 χ^2/NDF: 10112453.8/54

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: -0.004+/-0.136 χ^2/NDF:16.0/10

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: -0.007+/-0.093 χ^2/NDF: 29.6/20

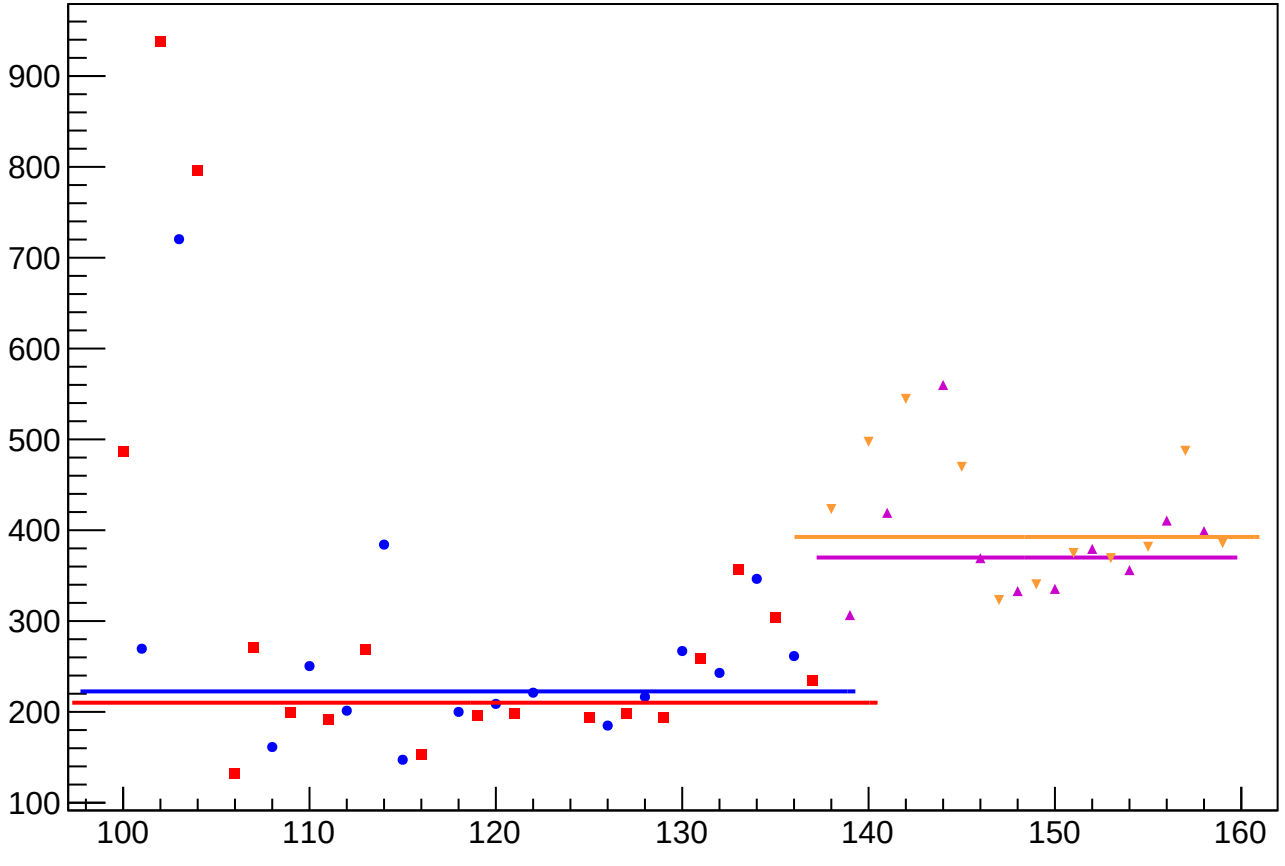
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.016+/-0.052 χ^2/NDF: 73.4/54

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: 392.581+/-0.096 χ^2/NDF:372358.8/10

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

Left: 380.563+/-0.066 χ^2/NDF: 764933.2/20

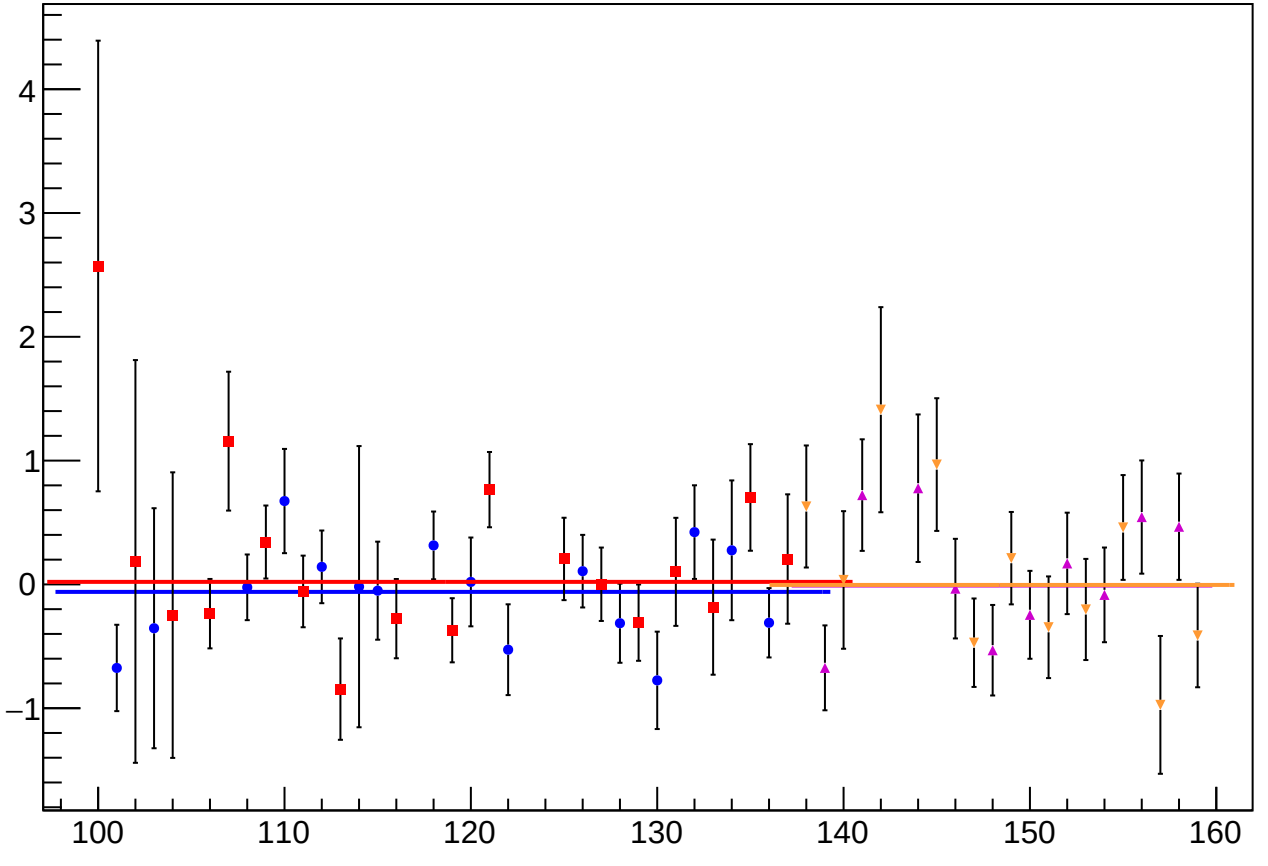
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 270.244+/-0.052 χ^2/NDF:3169977.7/25

Out: 263.259+/-0.052 χ^2/NDF:4457789.3/28

All: 266.784+/-0.037 χ^2/NDF: 7636857.0/54

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: -0.004+/-0.136 χ^2/NDF:16.0/10

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: -0.007+/-0.093 χ^2/NDF: 29.6/20

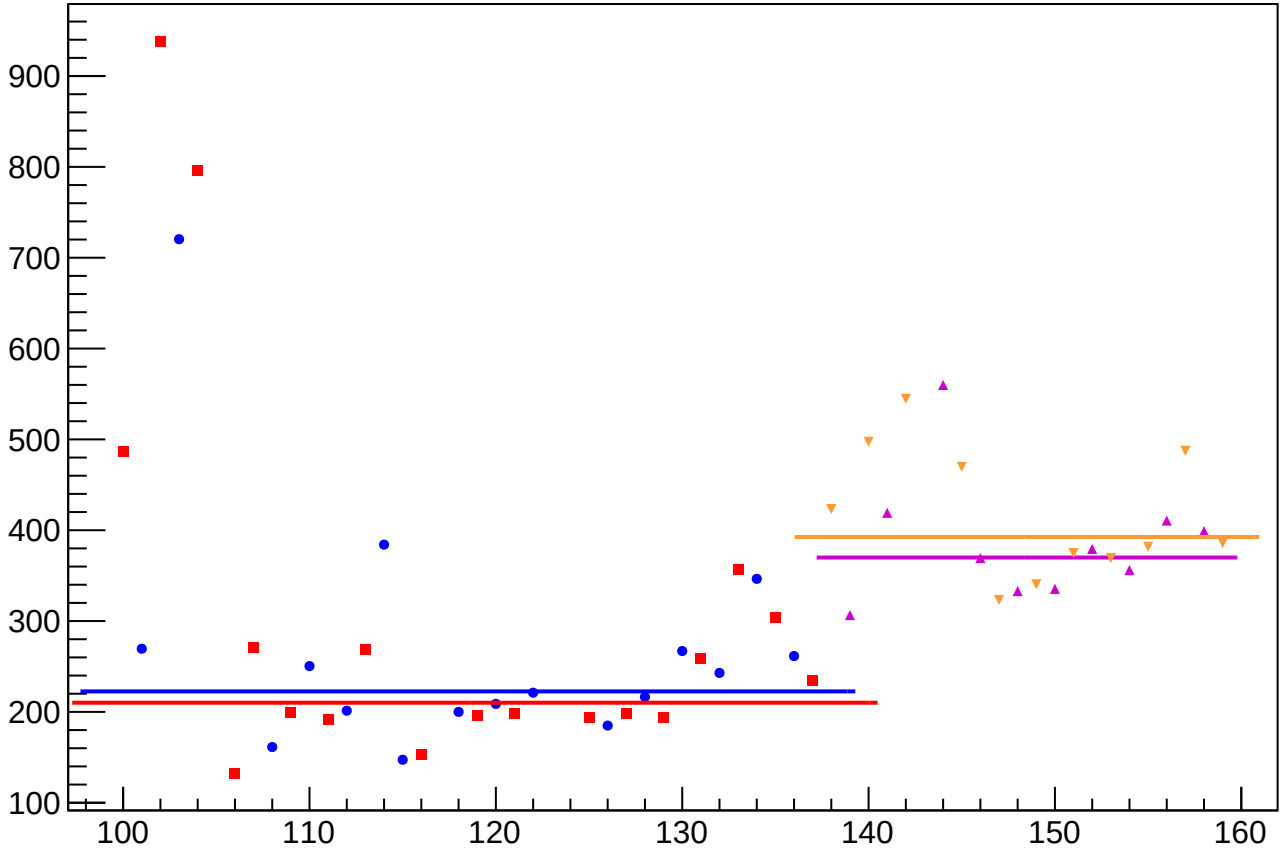
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.016+/-0.052 χ^2/NDF: 73.4/54

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: 392.581+/-0.096 χ^2/NDF:372358.8/10

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

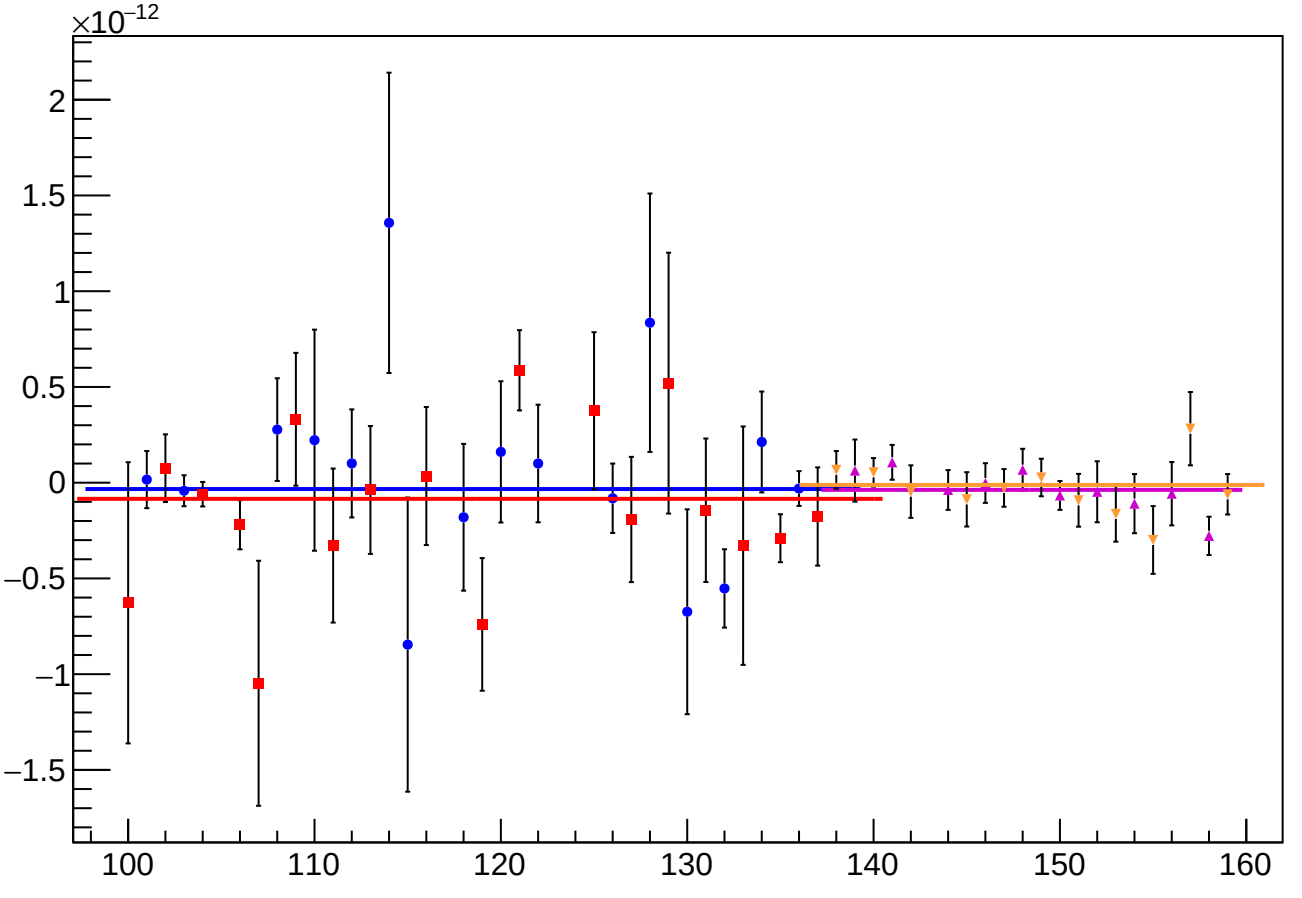
Left: 380.563+/-0.066 χ^2/NDF: 764933.2/20

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 270.244+/-0.052 χ^2/NDF:3169977.7/25

Out: 263.259+/-0.052 χ^2/NDF:4457789.3/28

All: 266.784+/-0.037 χ^2/NDF: 7636857.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.1/9

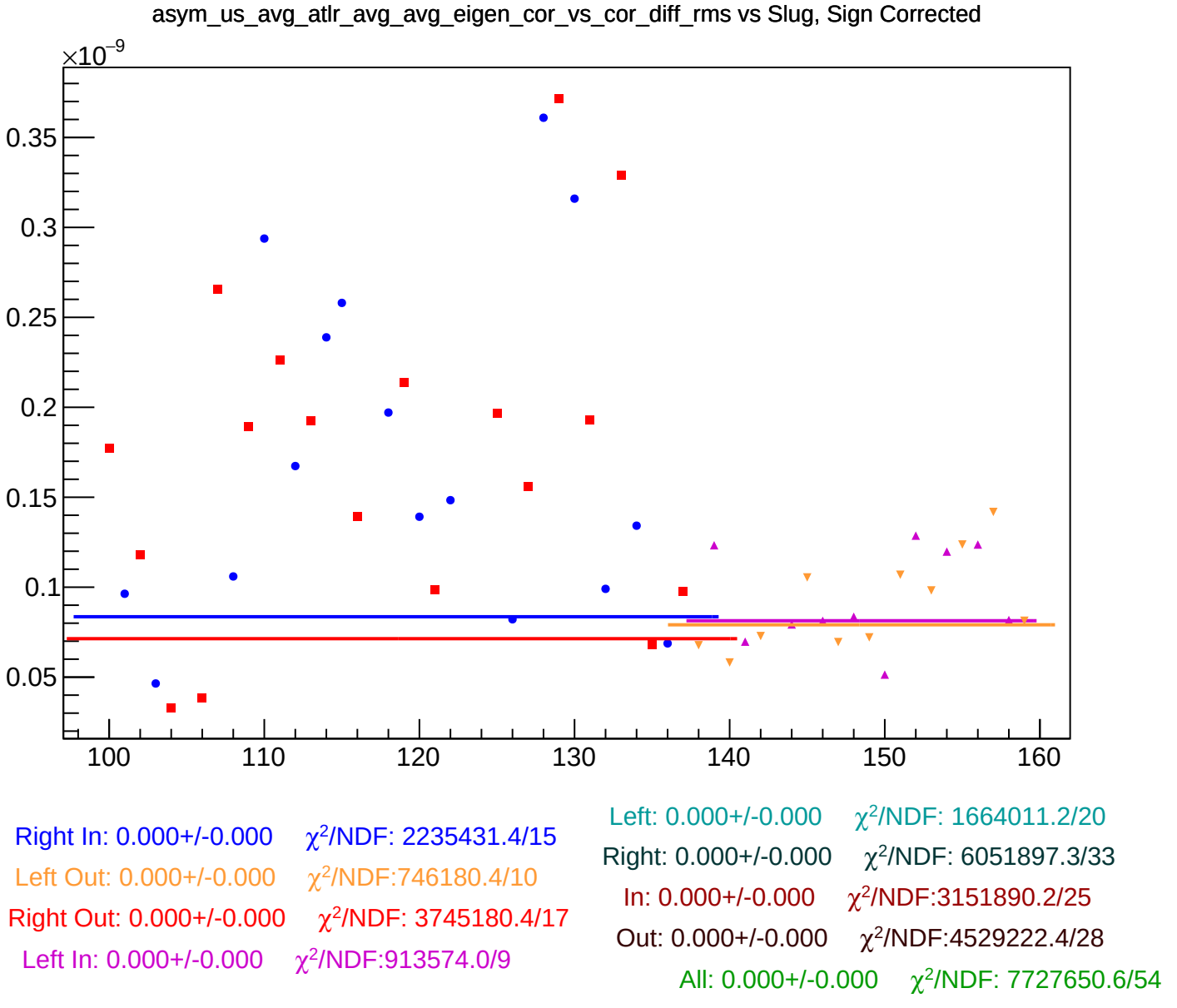
Left: -0.000+/-0.000 χ^2/NDF: 18.9/20

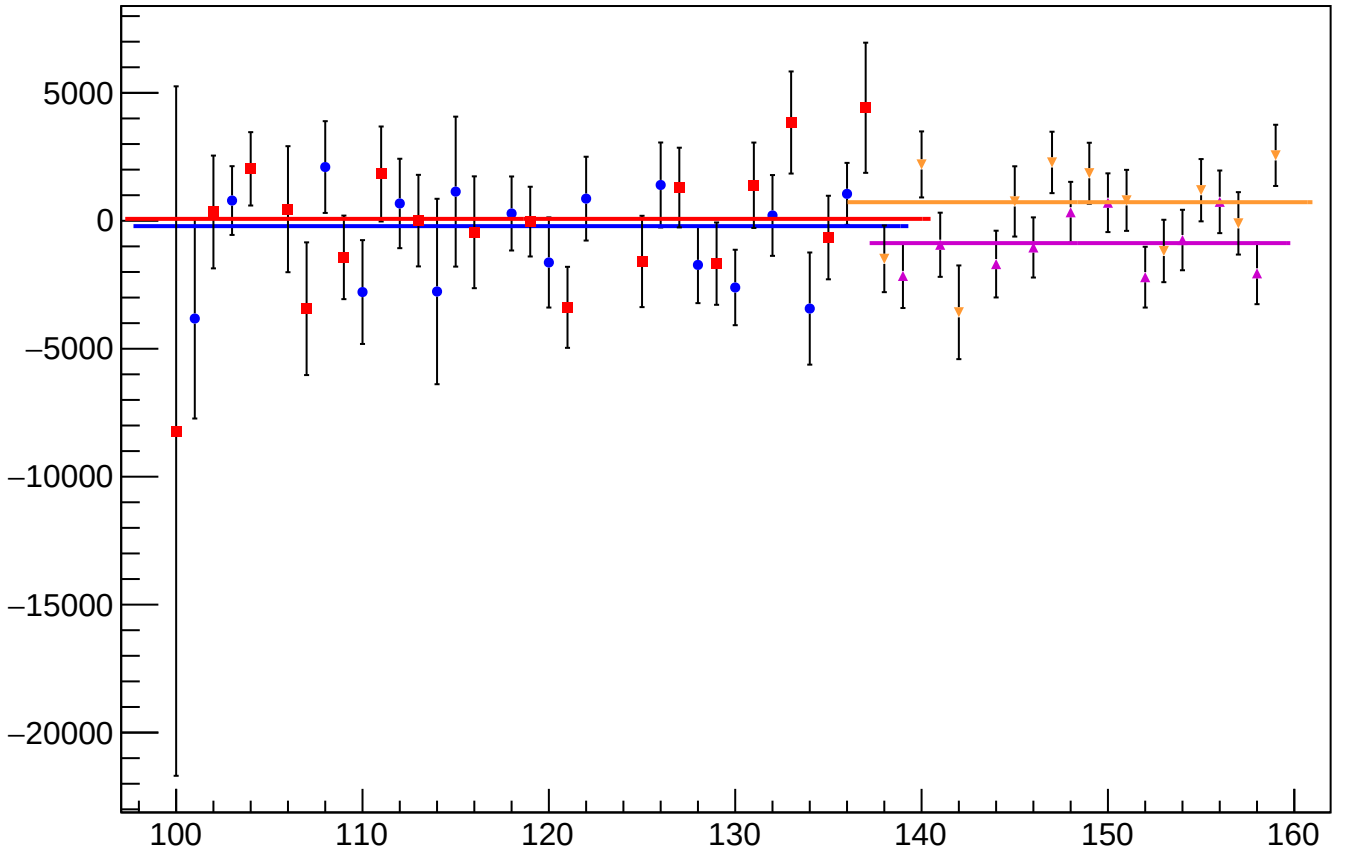
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: -0.000+/-0.000 χ^2/NDF:36.1/28

All: -0.000+/-0.000 χ^2/NDF: 63.4/54


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:746180.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:913574.0/9
Left: 0.000+/-0.000 χ²/NDF: 1664011.2/20
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3151890.2/25
Out: 0.000+/-0.000 χ²/NDF:4529222.4/28
All: 0.000+/-0.000 χ²/NDF: 7727650.6/54



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 727.439+/-382.354 χ^2/NDF:17.7/10

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -871.854+/-382.605 χ^2/NDF:8.3/9

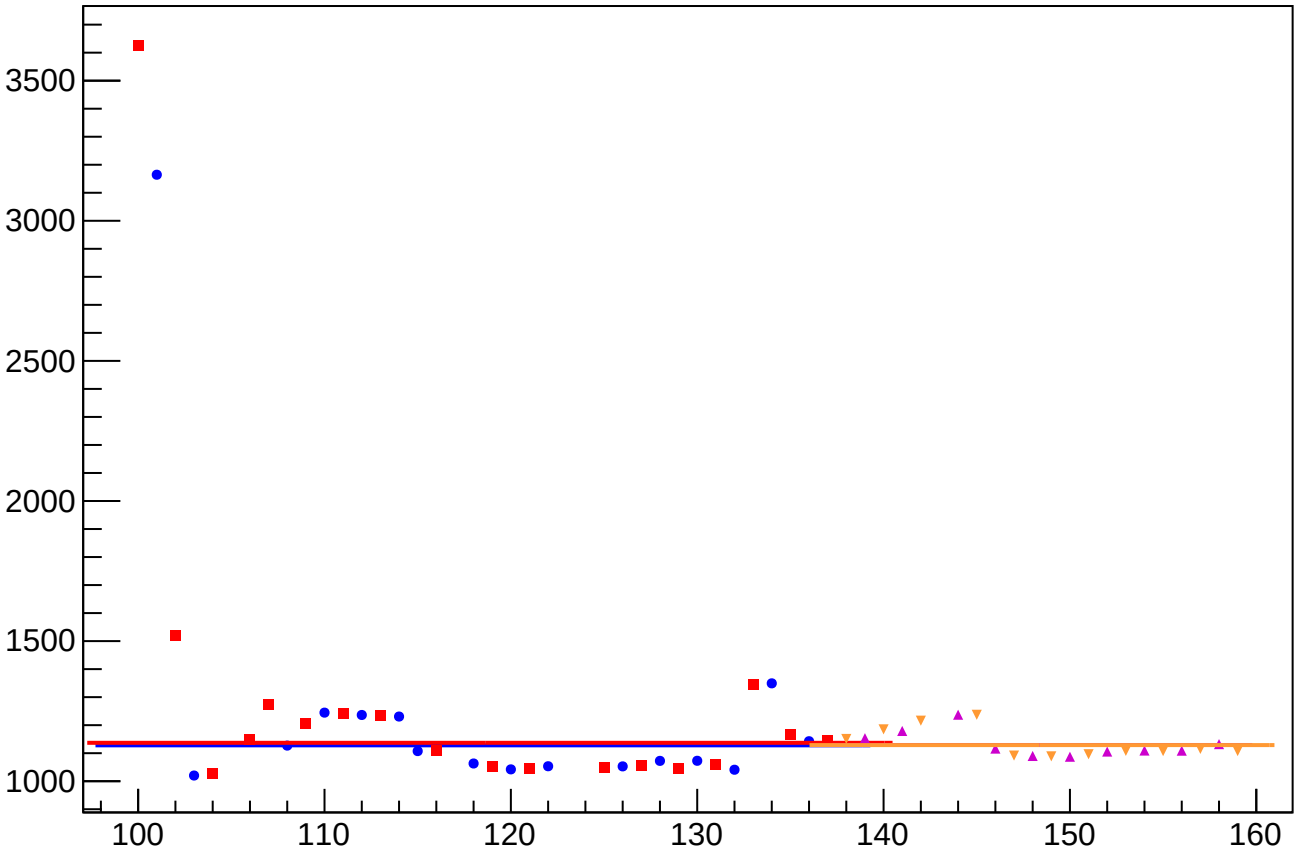
Left: -71.682+/-270.454 χ^2/NDF: 34.8/20

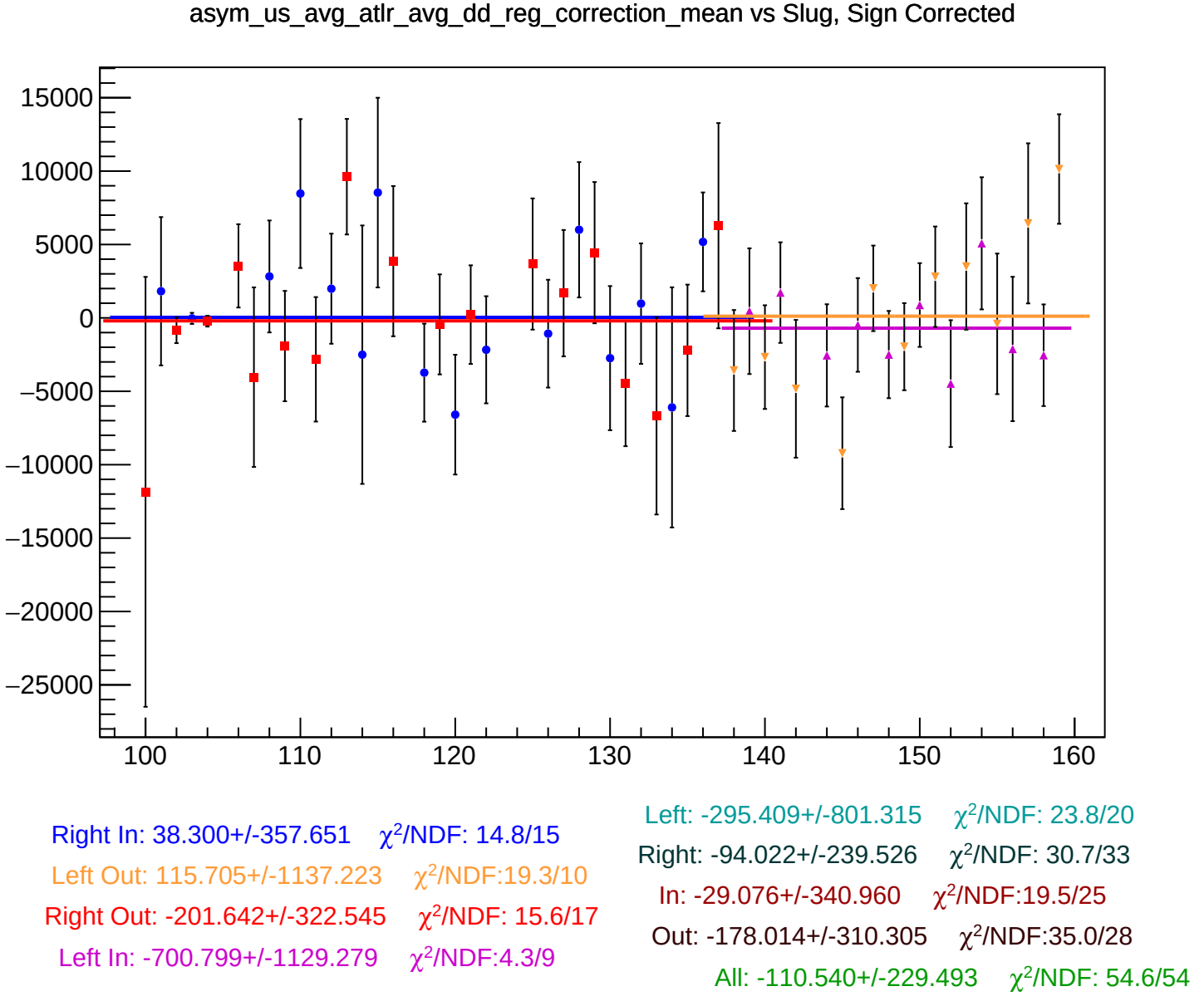
Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

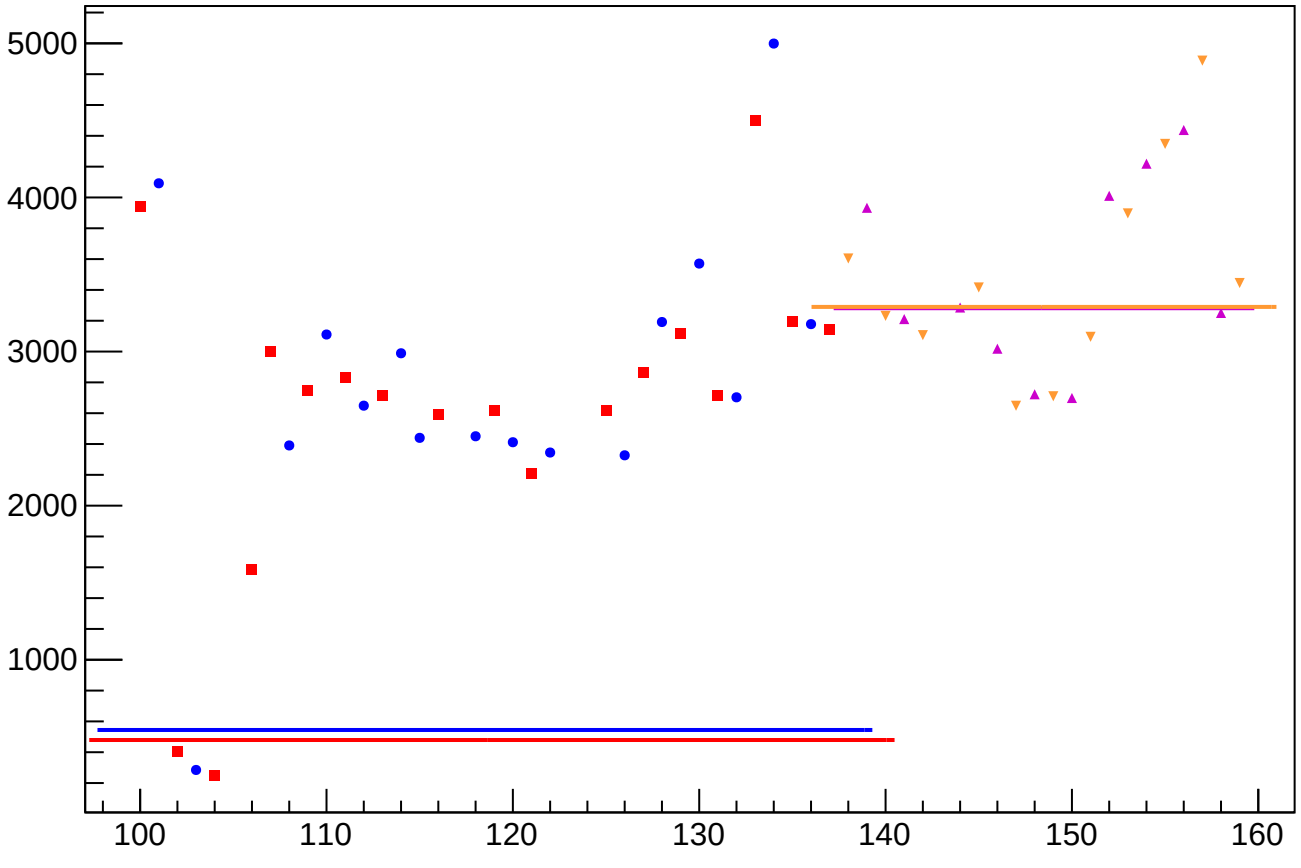
In: -578.019+/-285.588 χ^2/NDF:24.4/25

Out: 440.194+/-285.954 χ^2/NDF:39.6/28

All: -69.565+/-202.070 χ^2/NDF: 70.4/54


reg_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1128.007+/-0.303 χ²/NDF: 621394.5/15
Left Out: 1128.904+/-0.270 χ²/NDF:29096.2/10
Right Out: 1137.041+/-0.304 χ²/NDF: 220086.1/17
Left In: 1129.257+/-0.271 χ²/NDF:24652.3/9
Left: 1129.081+/-0.191 χ²/NDF: 53749.3/20
Right: 1132.516+/-0.215 χ²/NDF: 841922.9/33
In: 1128.704+/-0.202 χ²/NDF:646056.2/25
Out: 1132.497+/-0.202 χ²/NDF:249582.4/28
All: 1130.600+/-0.143 χ²/NDF: 895814.9/54


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 115.705+/-1137.223 χ²/NDF:19.3/10
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -700.799+/-1129.279 χ²/NDF:4.3/9
Left: -295.409+/-801.315 χ²/NDF: 23.8/20
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -29.076+/-340.960 χ²/NDF:19.5/25
Out: -178.014+/-310.305 χ²/NDF:35.0/28
All: -110.540+/-229.493 χ²/NDF: 54.6/54



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3289.731+/-0.804 χ^2/NDF:509699.5/10

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3281.221+/-0.799 χ^2/NDF:469429.8/9

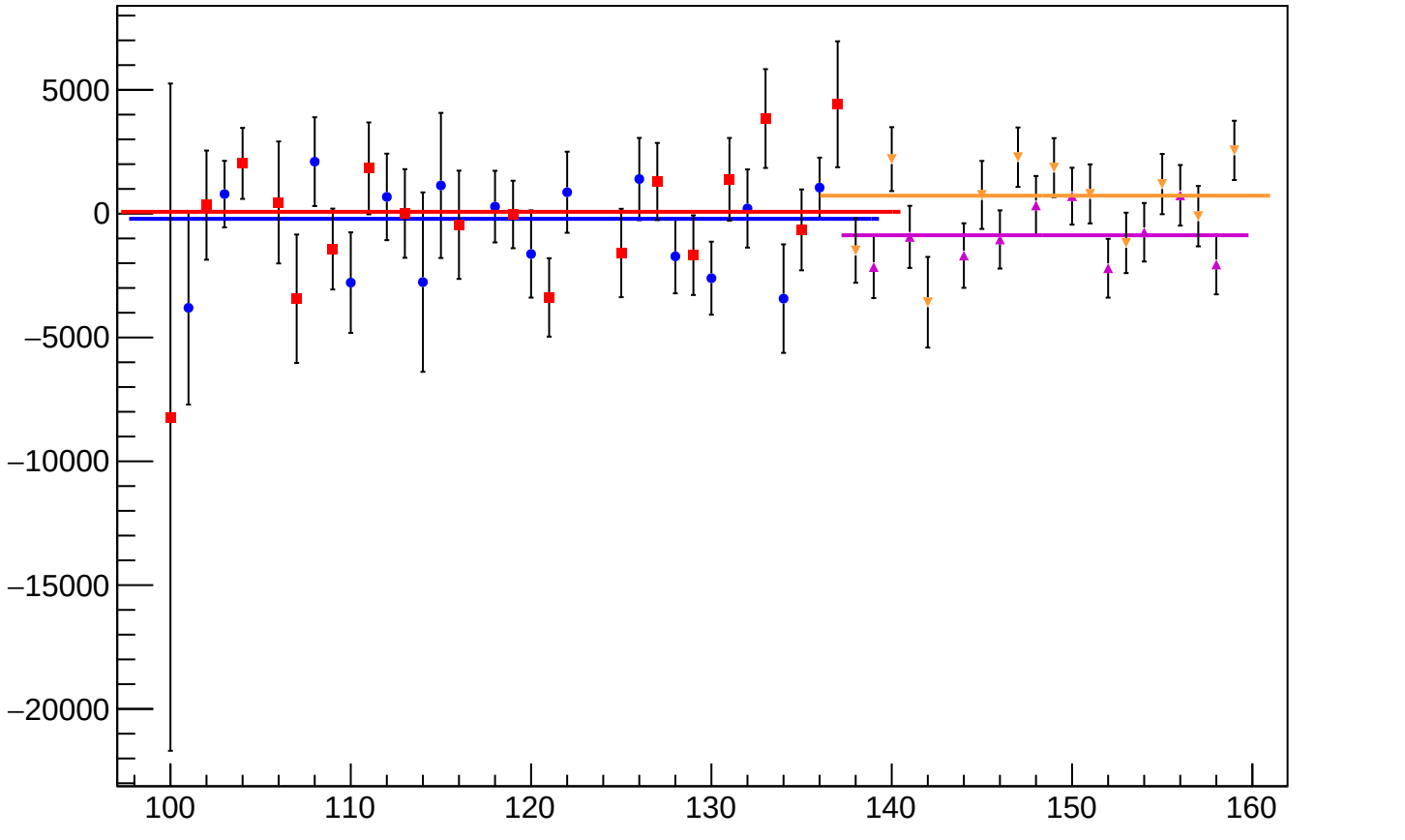
Left: 3285.446+/-0.567 χ^2/NDF: 979185.7/20

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 793.831+/-0.241 χ^2/NDF:20828884.0/25

Out: 688.503+/-0.219 χ^2/NDF:21003376.6/28

All: 736.220+/-0.162 χ^2/NDF: 41936651.5/54



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 727.460+/-382.354 χ^2/NDF:17.7/10

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -871.921+/-382.605 χ^2/NDF:8.3/9

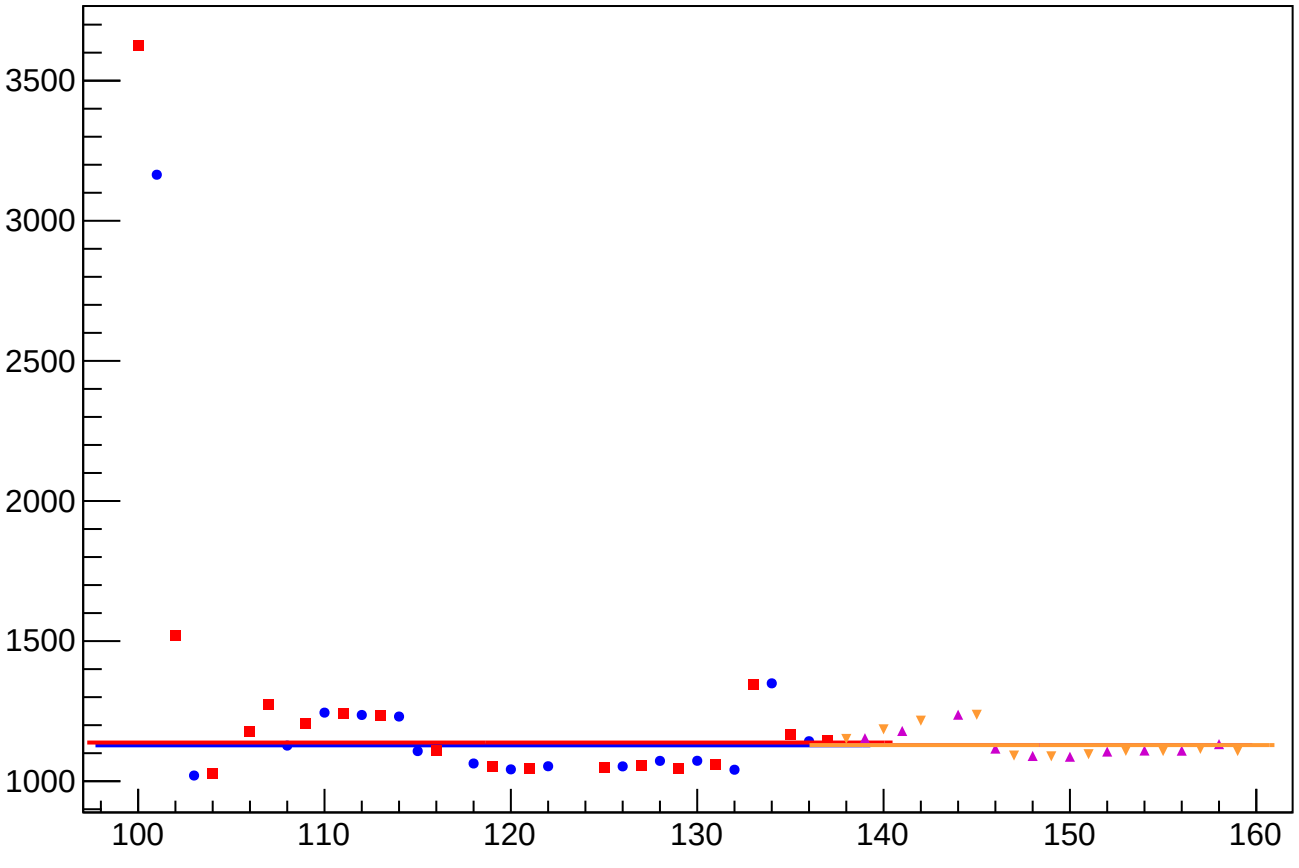
Left: -71.705+/-270.454 χ^2/NDF: 34.8/20

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -577.956+/-285.588 χ^2/NDF:24.4/25

Out: 440.270+/-285.954 χ^2/NDF:39.6/28

All: -69.496+/-202.070 χ^2/NDF: 70.4/54



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1128.904+/-0.270 χ^2/NDF:29096.2/10

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

Left: 1129.081+/-0.191 χ^2/NDF: 53749.3/20

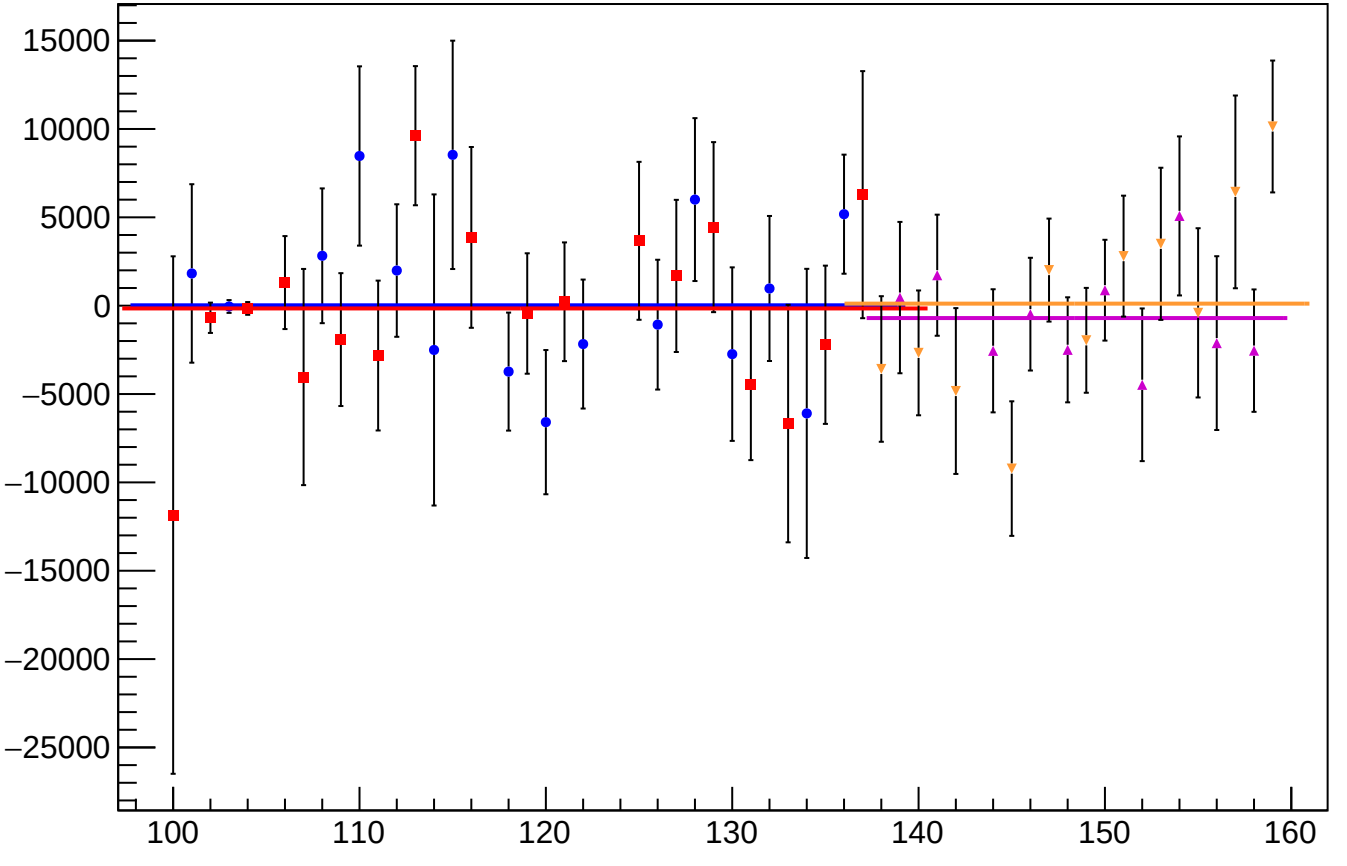
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1128.704+/-0.202 χ^2/NDF:646057.3/25

Out: 1132.915+/-0.202 χ^2/NDF:250219.7/28

All: 1130.807+/-0.143 χ^2/NDF: 896494.3/54

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 115.759+/-1137.223 χ^2/NDF:19.3/10

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -700.799+/-1129.278 χ^2/NDF:4.3/9

Left: -295.382+/-801.314 χ^2/NDF: 23.8/20

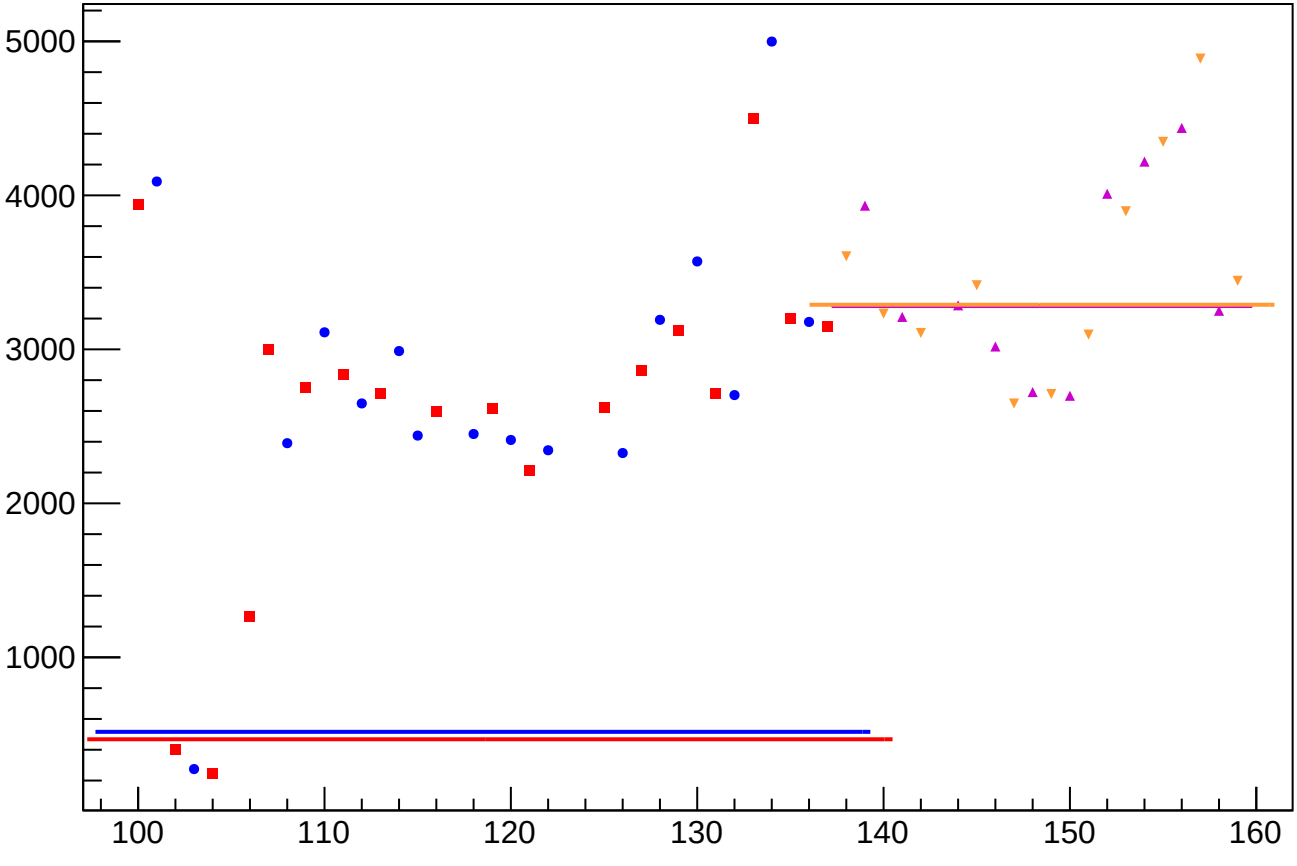
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -39.872+/-329.531 χ^2/NDF:19.6/25

Out: -136.578+/-305.687 χ^2/NDF:33.3/28

All: -91.850+/-224.109 χ^2/NDF: 52.9/54

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3289.730+/-0.804 χ^2/NDF:509701.8/10

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

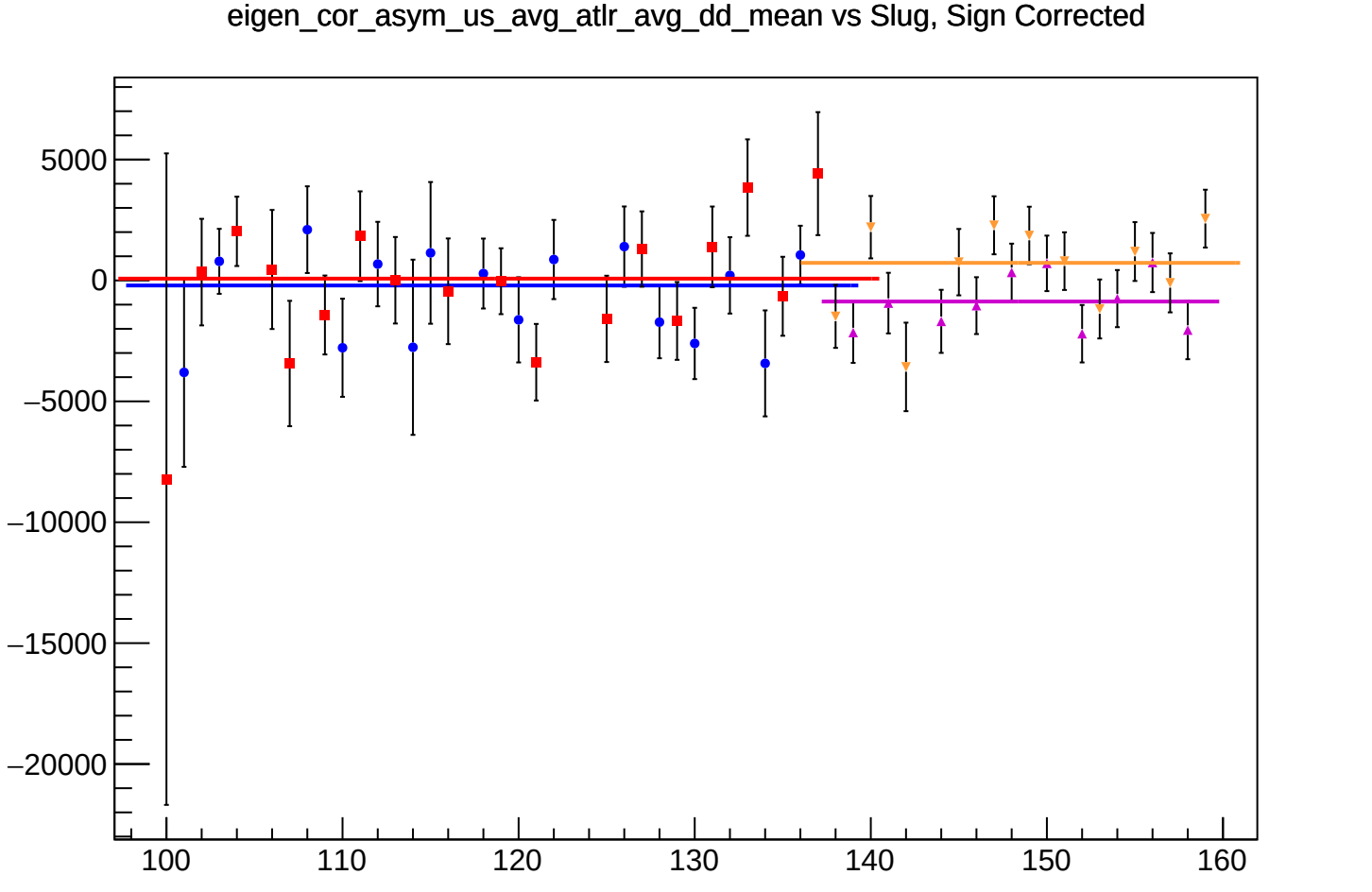
Left: 3285.445+/-0.567 χ^2/NDF: 979191.6/20

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 751.733+/-0.233 χ^2/NDF:21272508.5/25

Out: 671.937+/-0.216 χ^2/NDF:21043930.2/28

All: 708.844+/-0.158 χ^2/NDF: 42379471.5/54



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 727.460+/-382.354 χ^2/NDF:17.7/10

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -871.921+/-382.605 χ^2/NDF:8.3/9

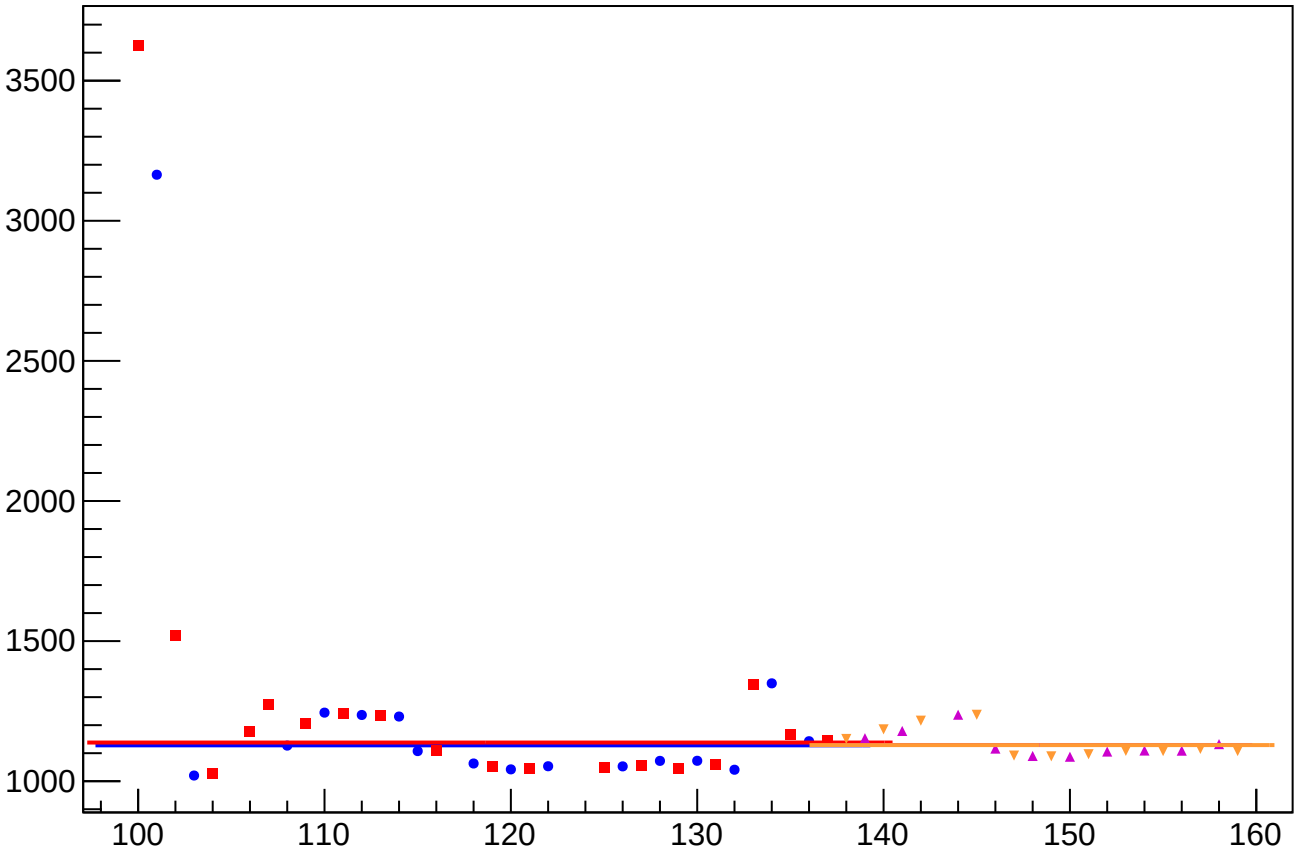
Left: -71.705+/-270.454 χ^2/NDF: 34.8/20

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -577.956+/-285.588 χ^2/NDF:24.4/25

Out: 440.270+/-285.954 χ^2/NDF:39.6/28

All: -69.496+/-202.070 χ^2/NDF: 70.4/54



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1128.904+/-0.270 χ^2/NDF:29096.2/10

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

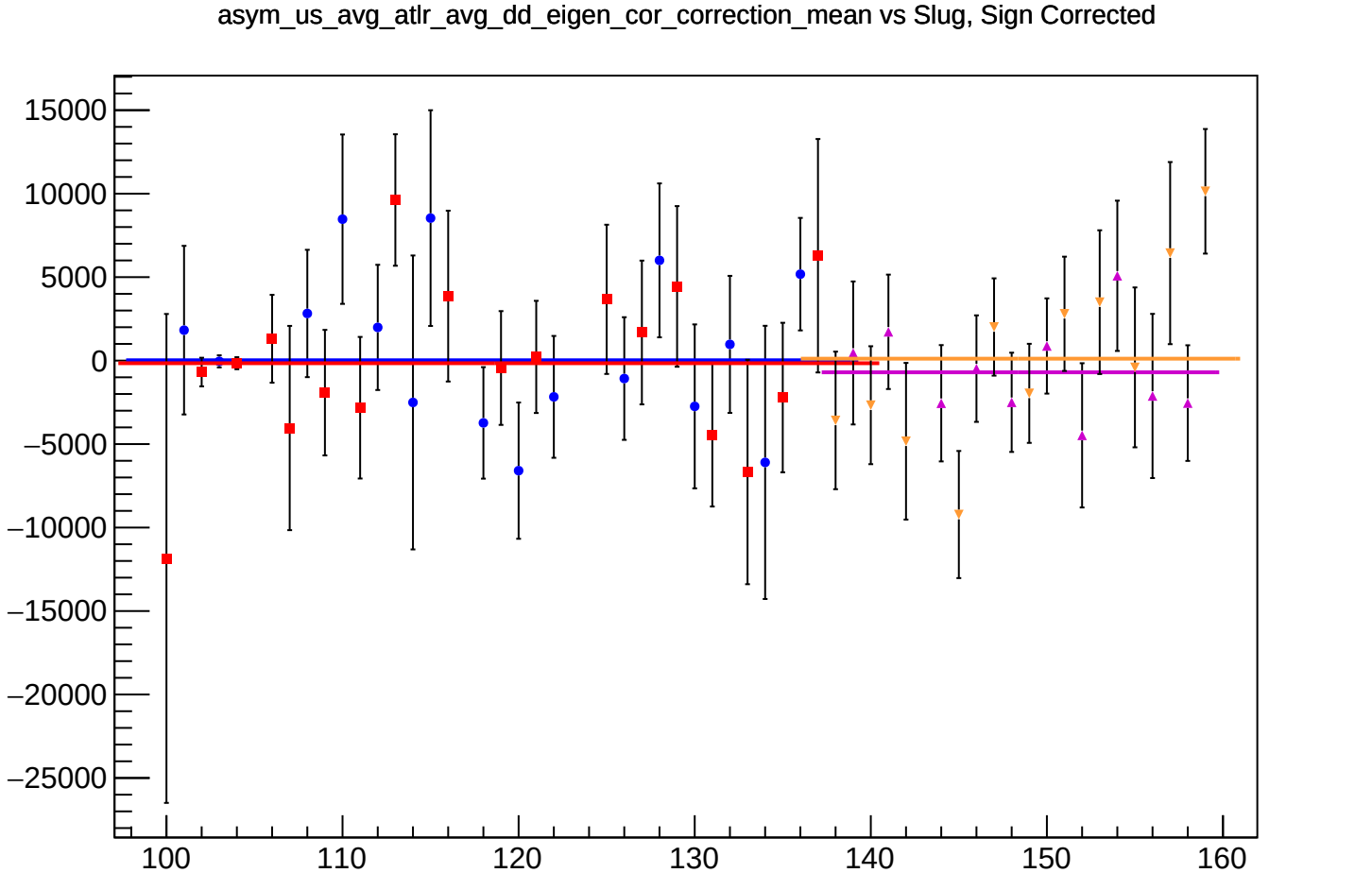
Left: 1129.081+/-0.191 χ^2/NDF: 53749.3/20

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1128.704+/-0.202 χ^2/NDF:646057.3/25

Out: 1132.915+/-0.202 χ^2/NDF:250219.7/28

All: 1130.807+/-0.143 χ^2/NDF: 896494.3/54



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 115.759+/-1137.223 χ^2/NDF:19.3/10

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -700.799+/-1129.278 χ^2/NDF:4.3/9

Left: -295.382+/-801.314 χ^2/NDF: 23.8/20

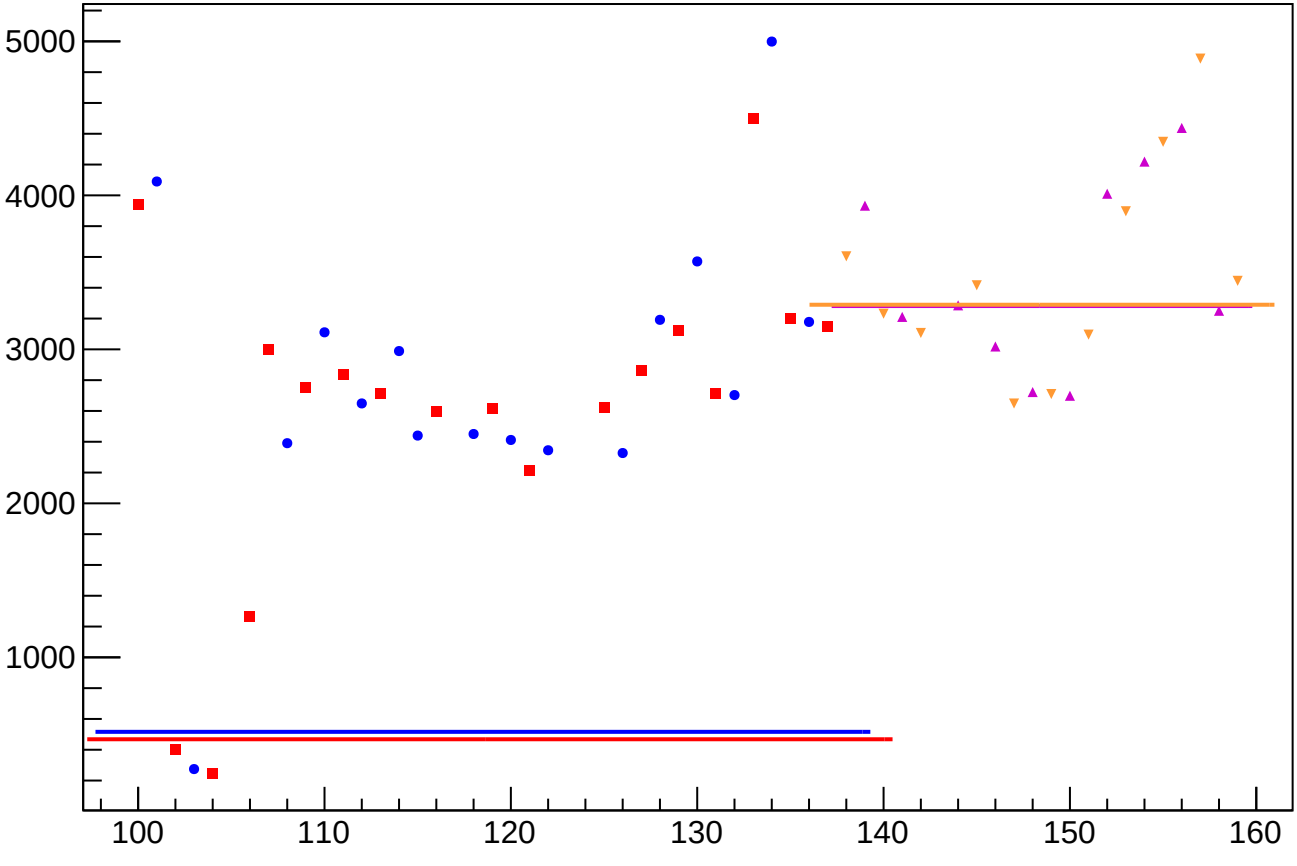
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -39.872+/-329.531 χ^2/NDF:19.6/25

Out: -136.578+/-305.687 χ^2/NDF:33.3/28

All: -91.850+/-224.109 χ^2/NDF: 52.9/54

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3289.730+/-0.804 χ^2/NDF:509701.8/10

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

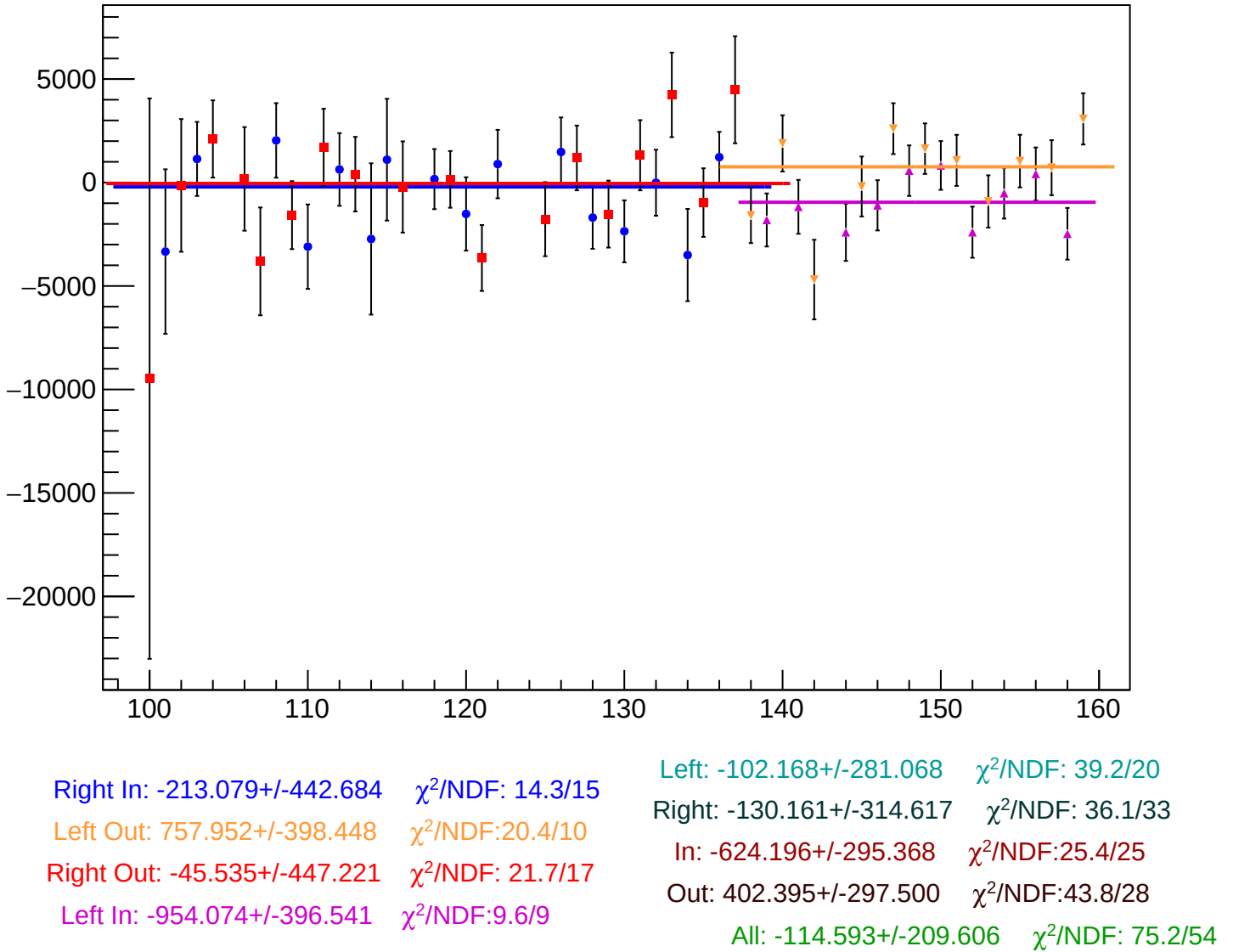
Left: 3285.445+/-0.567 χ^2/NDF: 979191.6/20

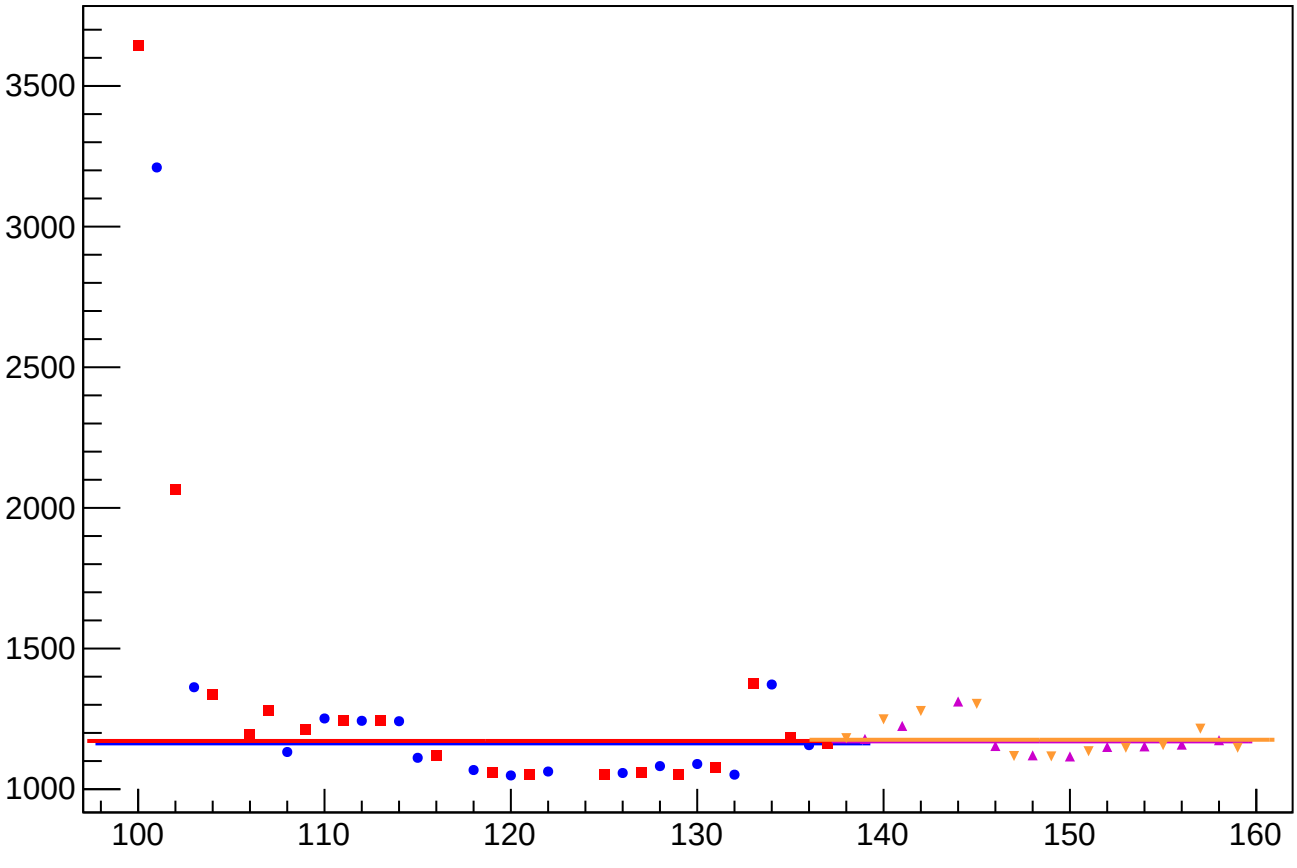
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 751.733+/-0.233 χ^2/NDF:21272508.5/25

Out: 671.937+/-0.216 χ^2/NDF:21043930.2/28

All: 708.844+/-0.158 χ^2/NDF: 42379471.5/54


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
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 757.952+/-398.448 χ²/NDF:20.4/10
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -954.074+/-396.541 χ²/NDF:9.6/9
Left: -102.168+/-281.068 χ²/NDF: 39.2/20
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -624.196+/-295.368 χ²/NDF:25.4/25
Out: 402.395+/-297.500 χ²/NDF:43.8/28
All: -114.593+/-209.606 χ²/NDF: 75.2/54



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1175.720+/-0.282 χ^2/NDF:42495.7/10

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1169.968+/-0.280 χ^2/NDF:33578.1/9

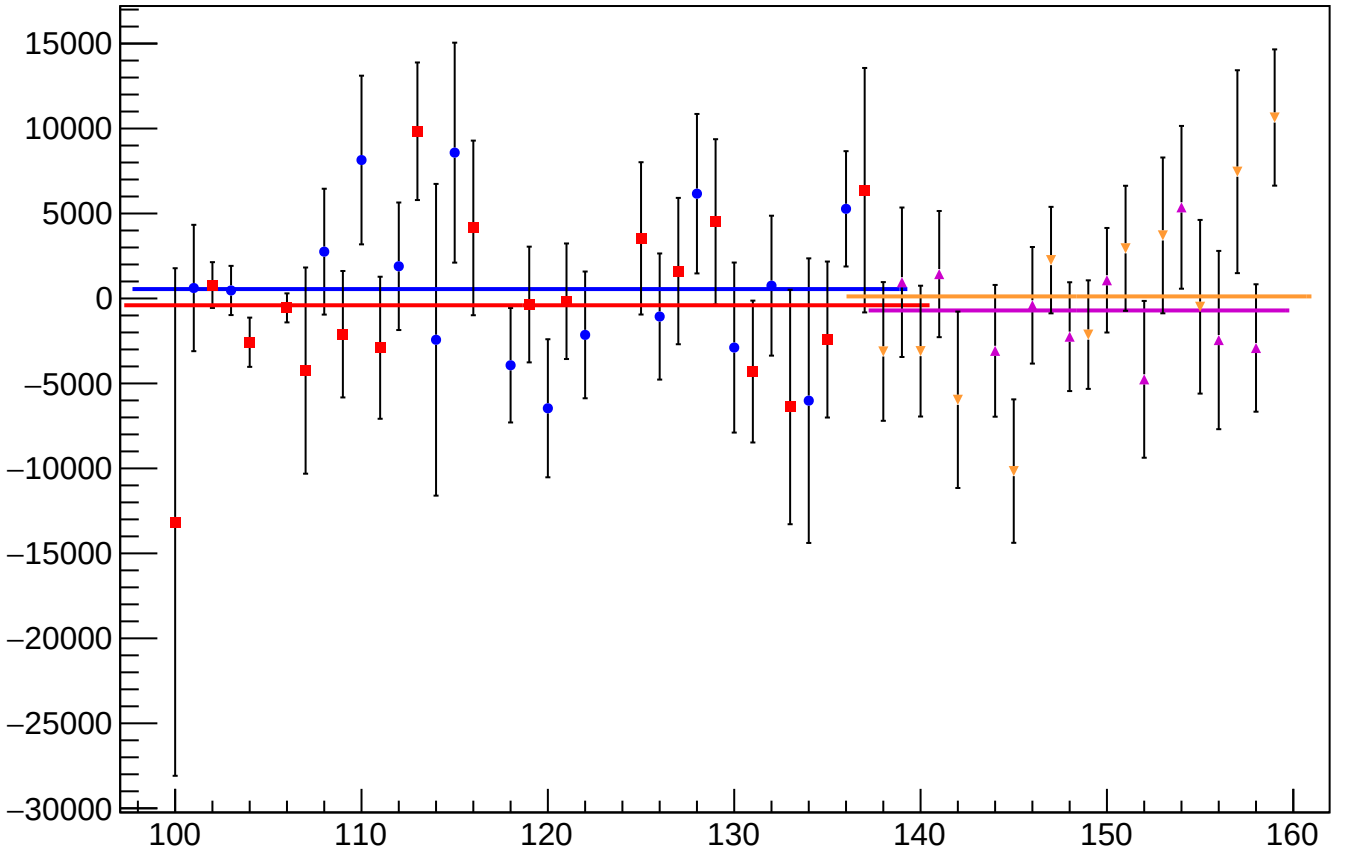
Left: 1172.830+/-0.199 χ^2/NDF: 76283.2/20

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1166.800+/-0.209 χ^2/NDF:669218.3/25

Out: 1173.816+/-0.210 χ^2/NDF:374239.6/28

All: 1170.284+/-0.148 χ^2/NDF: 1044018.3/54



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 120.795+/-1221.051 χ^2/NDF:19.2/10

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -705.517+/-1215.292 χ^2/NDF:4.3/9

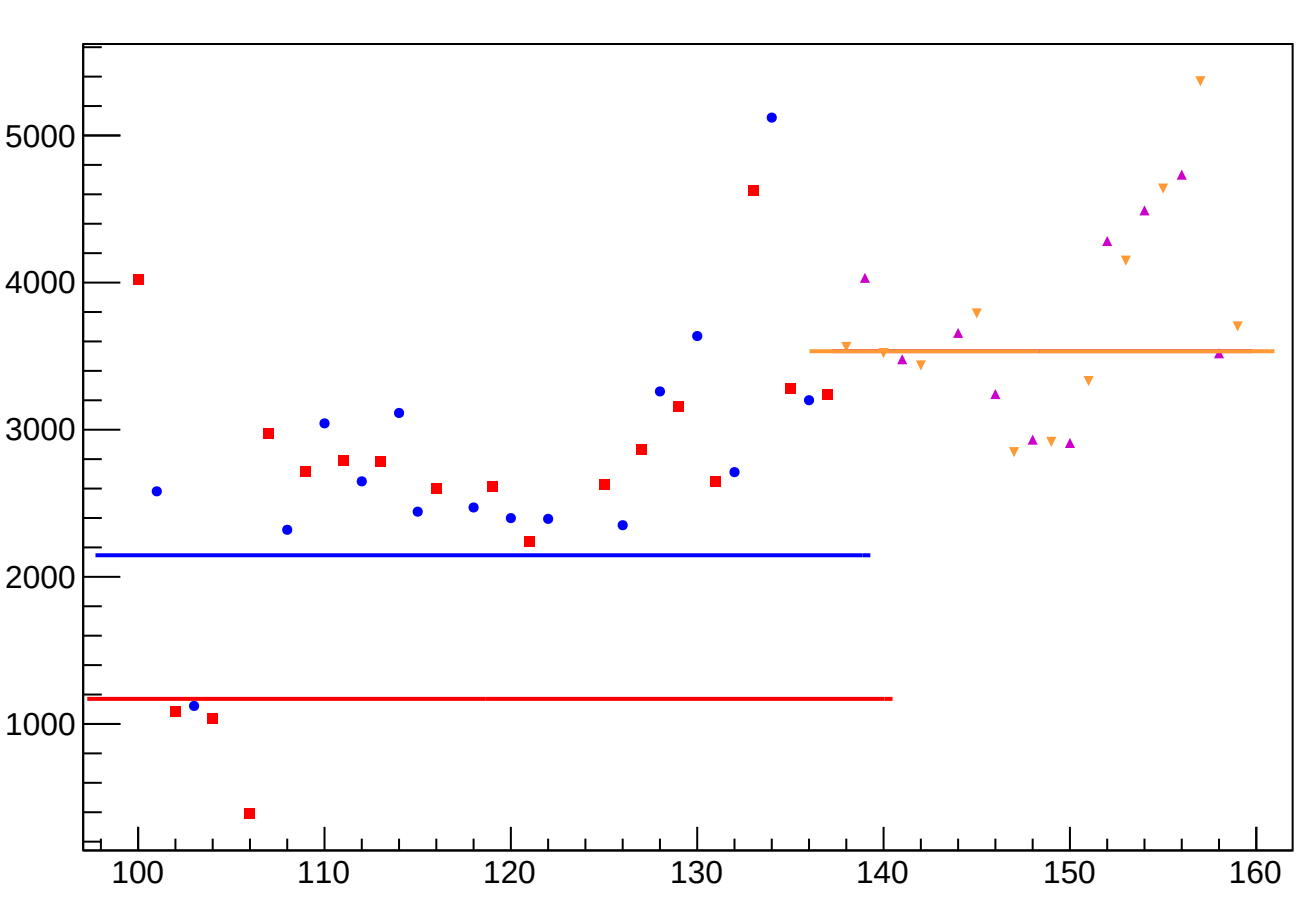
Left: -294.315+/-861.370 χ^2/NDF: 23.7/20

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 123.580+/-709.629 χ^2/NDF:19.4/25

Out: -308.281+/-513.418 χ^2/NDF:36.0/28

All: -159.895+/-415.964 χ^2/NDF: 55.6/54



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3533.461+/-0.863 χ^2/NDF:506857.2/10

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3534.233+/-0.859 χ^2/NDF:432575.6/9

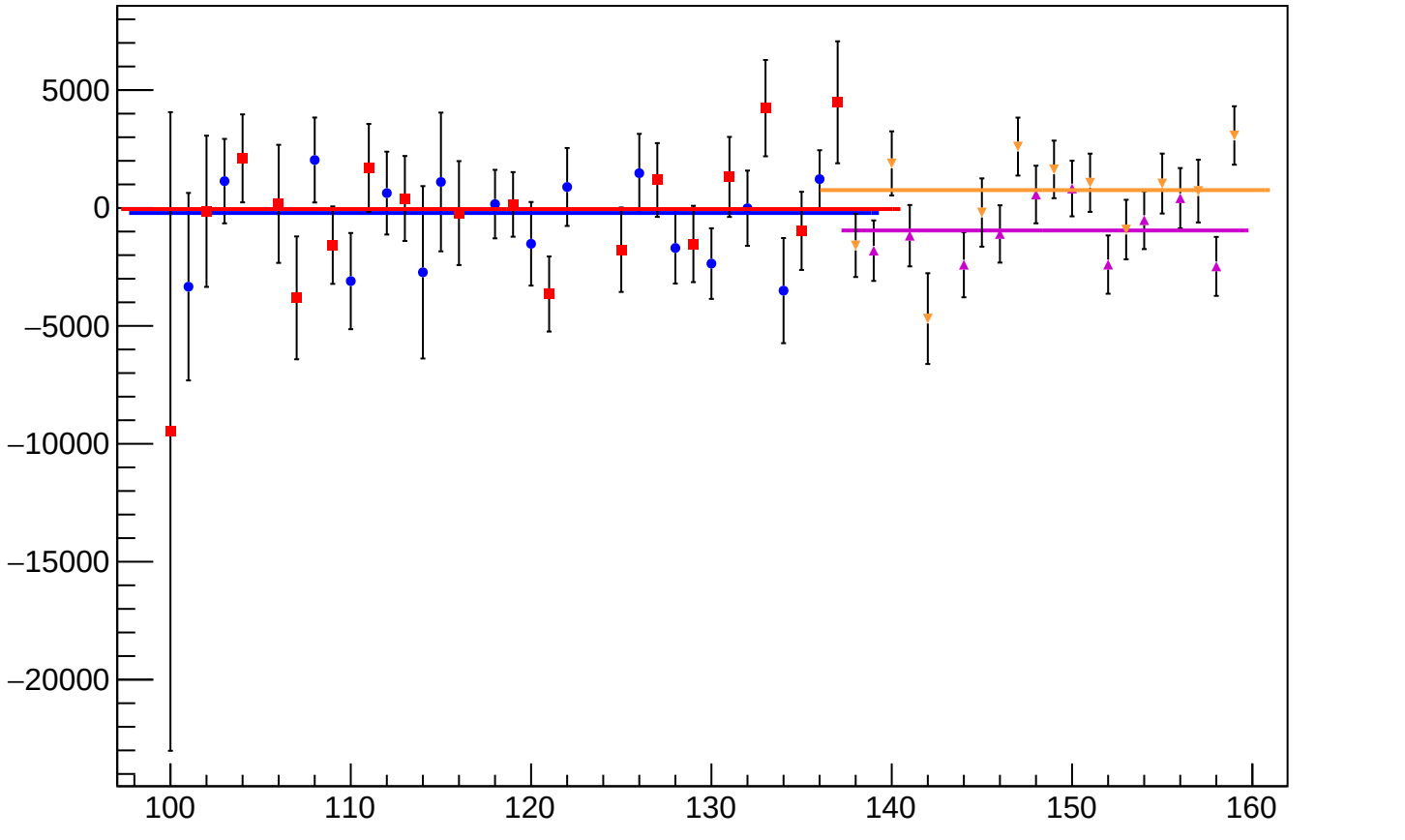
Left: 3533.849+/-0.609 χ^2/NDF: 939433.2/20

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2619.736+/-0.502 χ^2/NDF:4125685.2/25

Out: 1588.324+/-0.363 χ^2/NDF:12489653.1/28

All: 1942.714+/-0.294 χ^2/NDF: 19388672.4/5



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 757.951+/-398.448 χ^2/NDF:20.4/10

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -954.073+/-396.541 χ^2/NDF:9.6/9

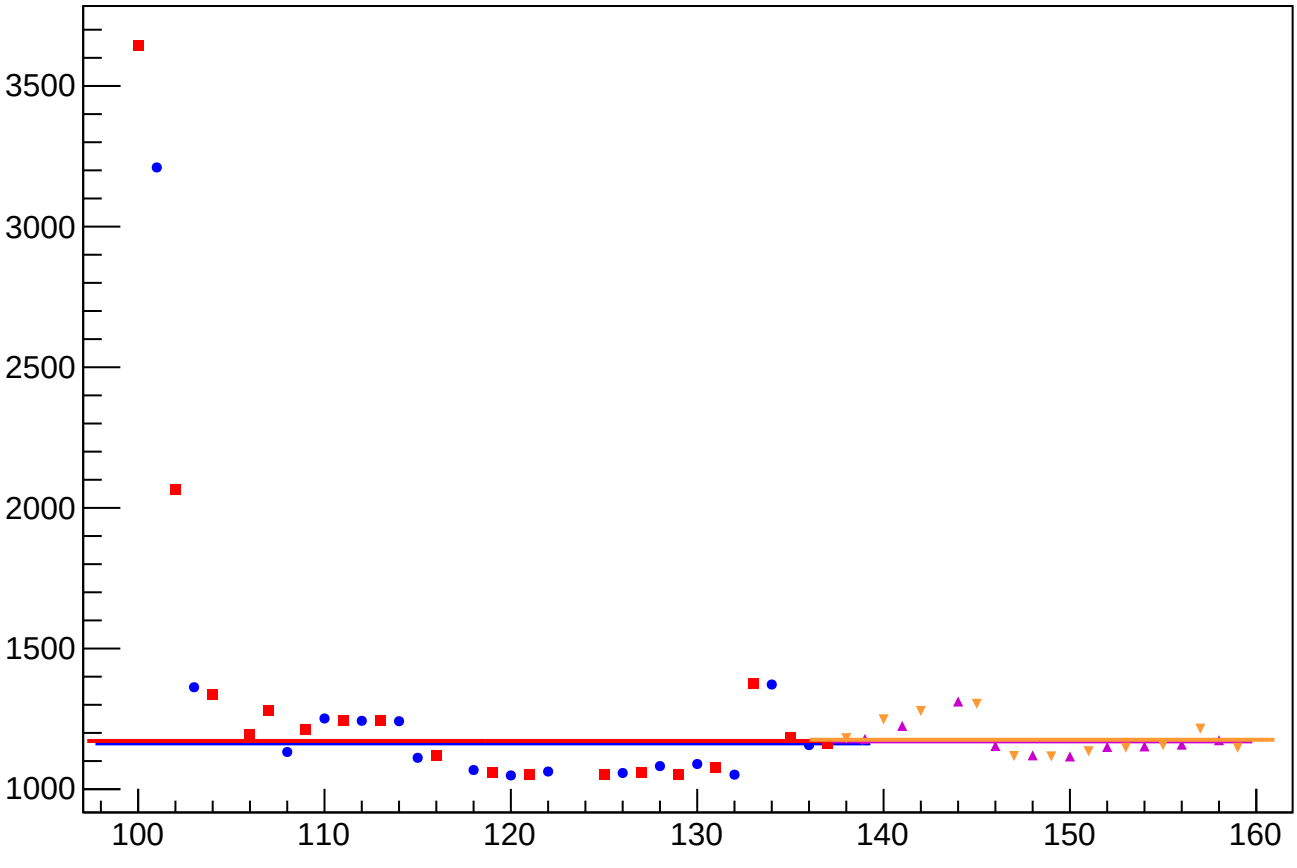
Left: -102.167+/-281.069 χ^2/NDF: 39.2/20

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -624.196+/-295.368 χ^2/NDF:25.4/25

Out: 402.393+/-297.500 χ^2/NDF:43.8/28

All: -114.594+/-209.606 χ^2/NDF: 75.2/54



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1175.721+/-0.282 χ^2/NDF:42496.2/10

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1169.969+/-0.280 χ^2/NDF:33578.3/9

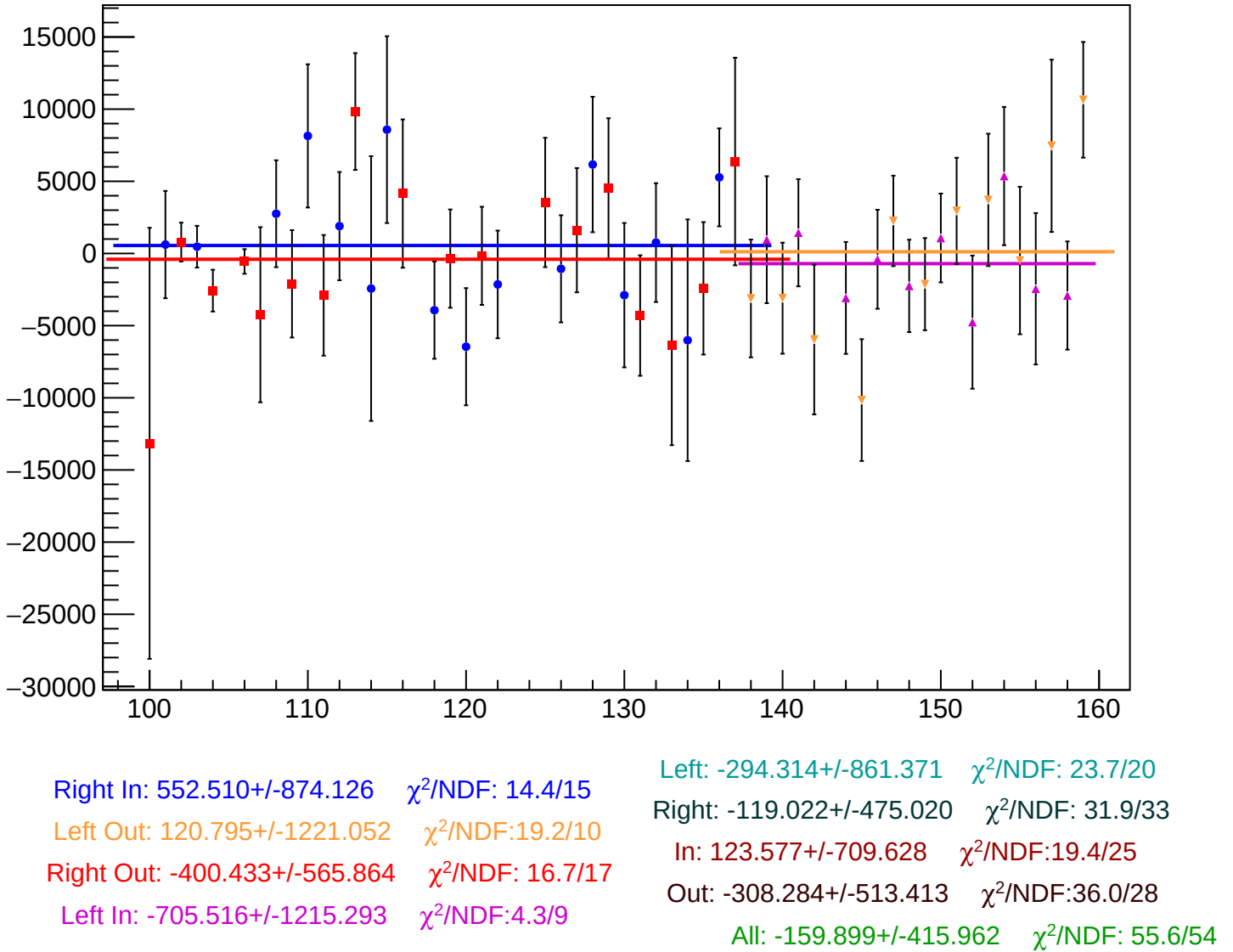
Left: 1172.831+/-0.199 χ^2/NDF: 76283.9/20

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

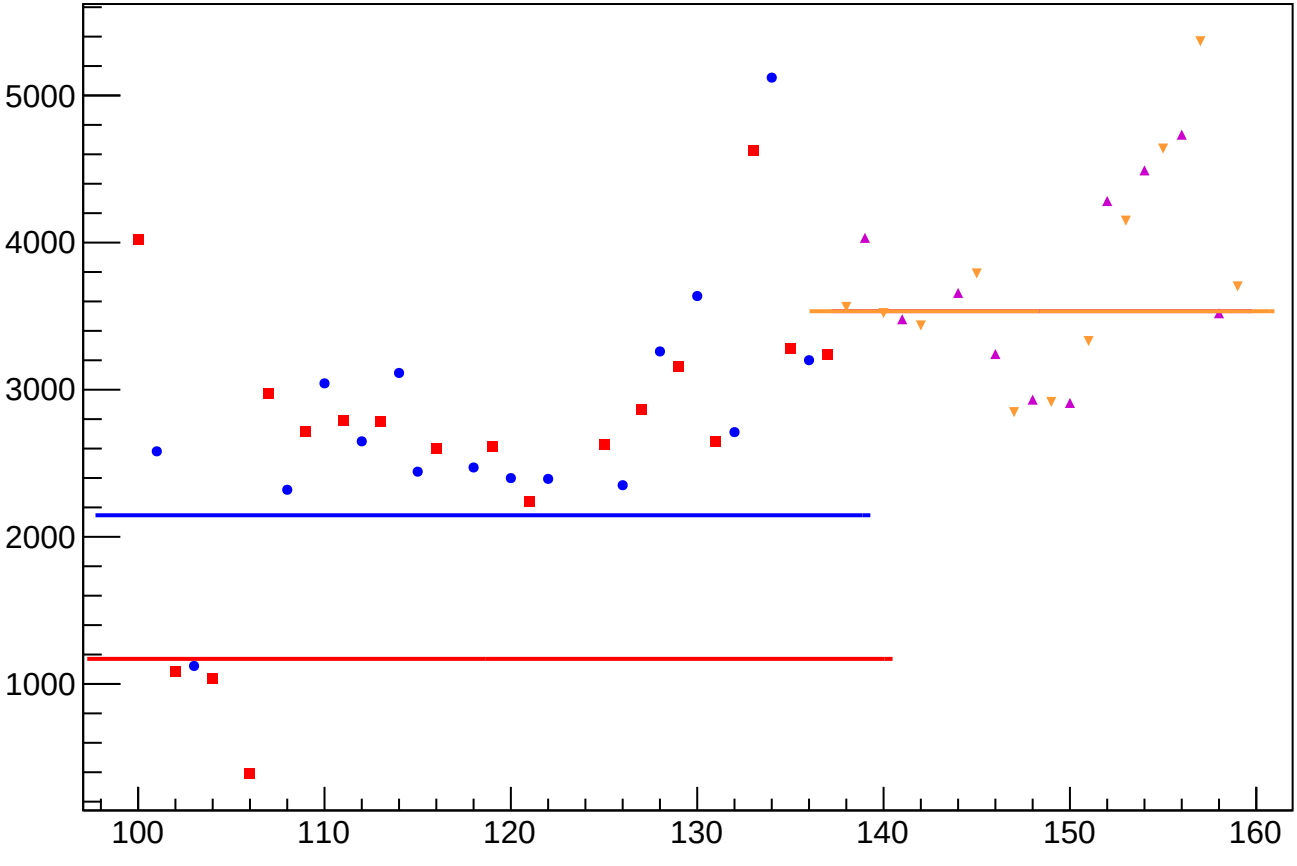
In: 1166.800+/-0.209 χ^2/NDF:669218.7/25

Out: 1173.817+/-0.210 χ^2/NDF:374239.8/28

All: 1170.284+/-0.148 χ^2/NDF: 1044018.8/54


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: 120.795+/-1221.052 χ²/NDF:19.2/10
Right Out: -400.433+/-565.864 χ²/NDF: 16.7/17
Left In: -705.516+/-1215.293 χ²/NDF:4.3/9
Left: -294.314+/-861.371 χ²/NDF: 23.7/20
Right: -119.022+/-475.020 χ²/NDF: 31.9/33
In: 123.577+/-709.628 χ²/NDF:19.4/25
Out: -308.284+/-513.413 χ²/NDF:36.0/28
All: -159.899+/-415.962 χ²/NDF: 55.6/54

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: 3533.464+/-0.863 χ^2/NDF:506857.6/10

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3534.237+/-0.859 χ^2/NDF:432575.7/9

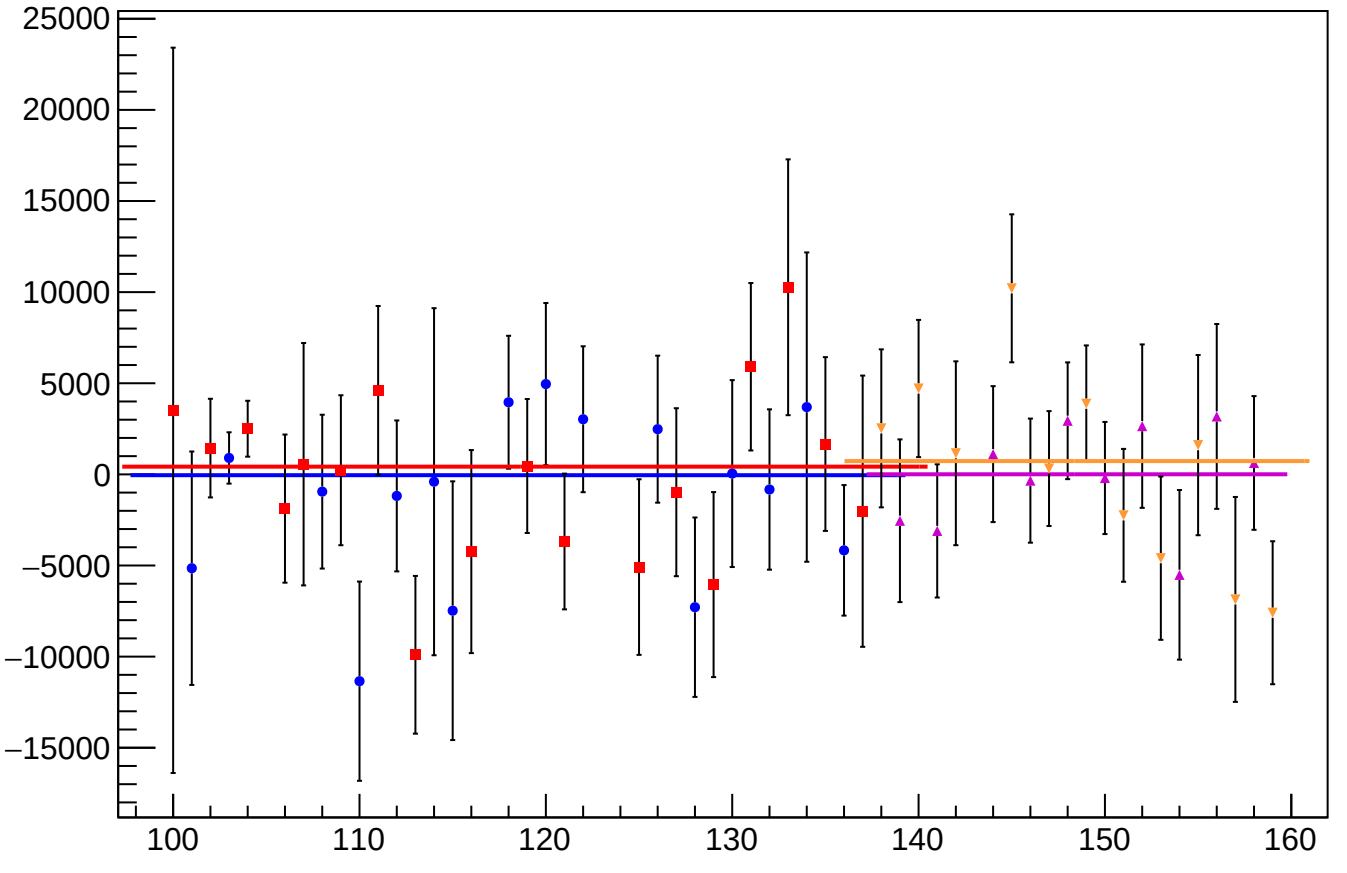
Left: 3533.852+/-0.609 χ^2/NDF: 939433.7/20

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2619.734+/-0.502 χ^2/NDF:4125697.4/25

Out: 1588.297+/-0.363 χ^2/NDF:12489935.5/28

All: 1942.691+/-0.294 χ^2/NDF: 19389122.3/5



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 729.153+/-1208.571 χ^2/NDF:16.2/10

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 4.803+/-1199.160 χ^2/NDF:4.2/9

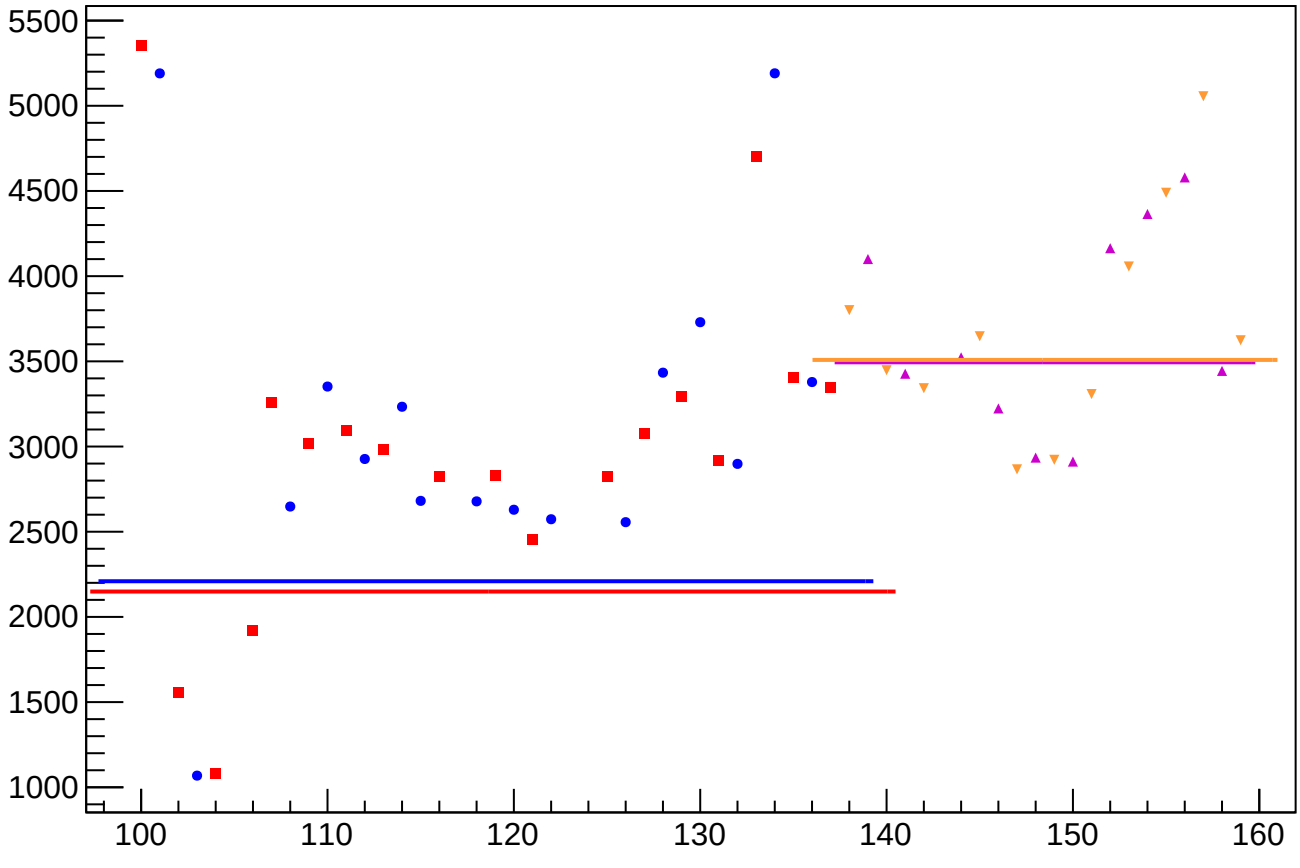
Left: 364.146+/-851.242 χ^2/NDF: 20.5/20

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -26.450+/-730.296 χ^2/NDF:17.9/25

Out: 532.010+/-720.151 χ^2/NDF:33.6/28

All: 256.686+/-512.773 χ^2/NDF: 51.8/54



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3508.467+/-0.855 χ^2/NDF:432288.0/10

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3494.361+/-0.848 χ^2/NDF:389538.8/9

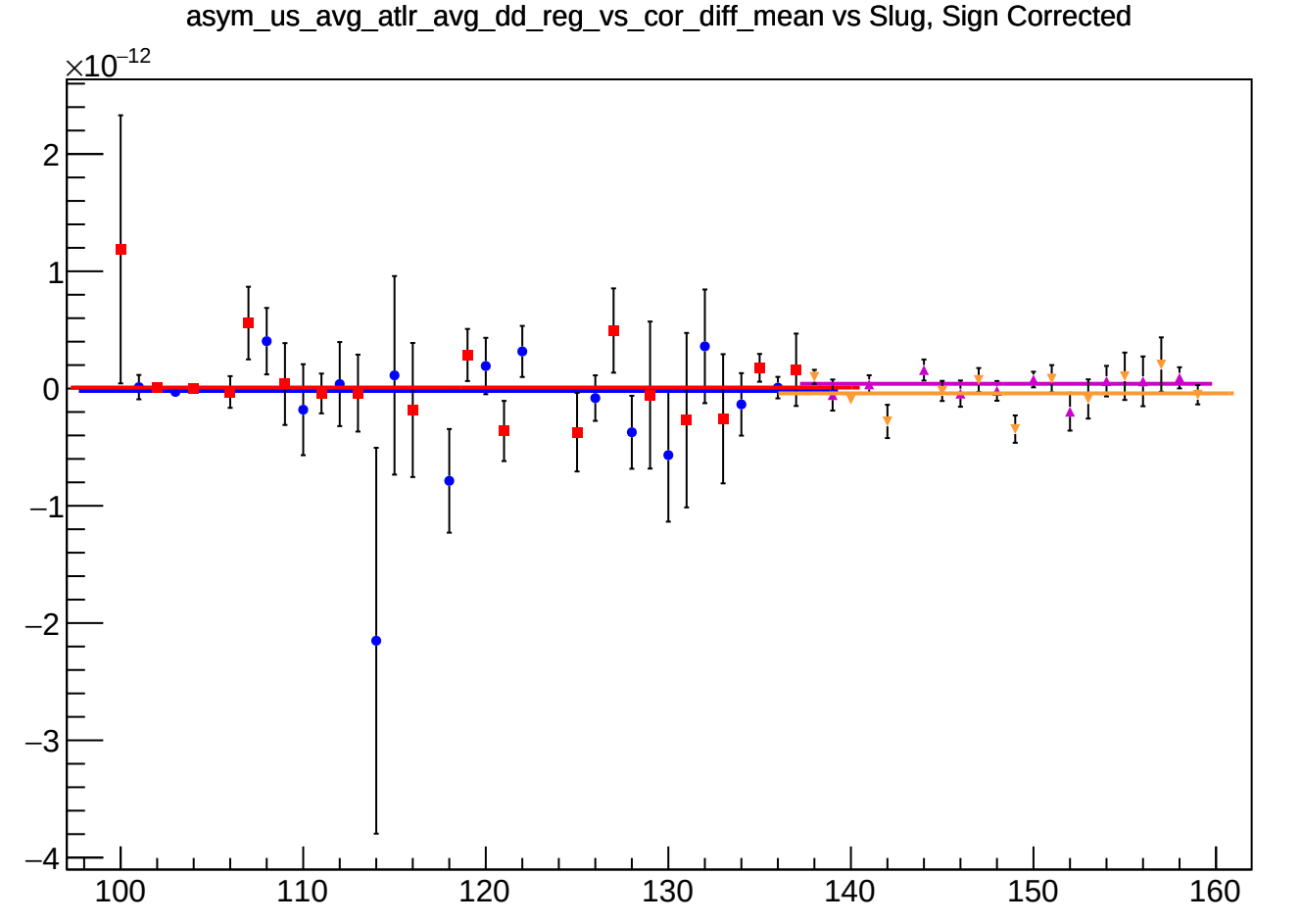
Left: 3501.359+/-0.602 χ^2/NDF: 821964.1/20

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2685.943+/-0.516 χ^2/NDF:4671249.5/25

Out: 2630.170+/-0.508 χ^2/NDF:4336927.2/28

All: 2657.624+/-0.362 χ^2/NDF: 9014099.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

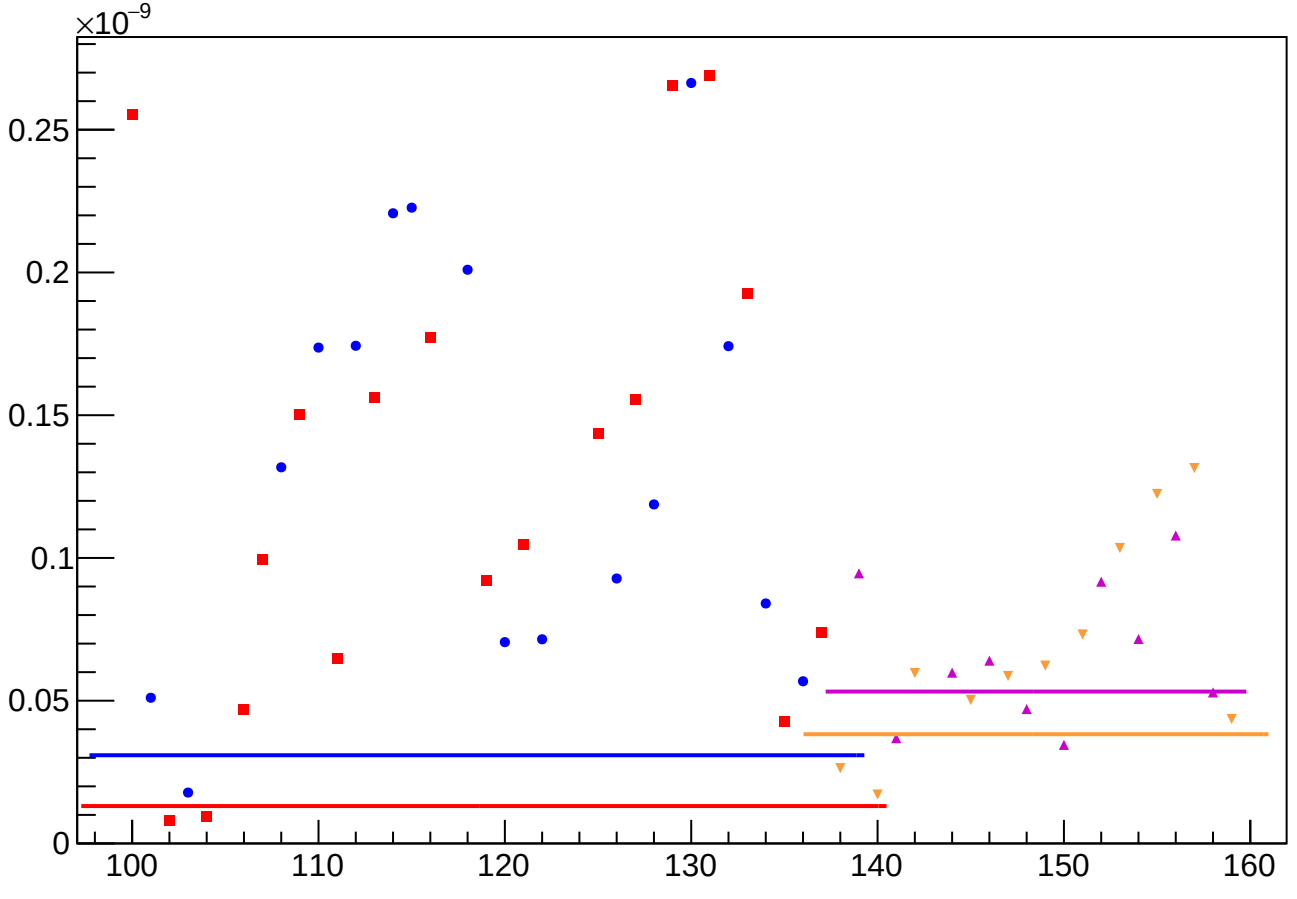
Left: -0.000+/-0.000 χ^2/NDF: 31.2/20

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:22.2/25

Out: -0.000+/-0.000 χ^2/NDF:37.7/28

All: -0.000+/-0.000 χ^2/NDF: 60.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2026632.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:767805.4/9

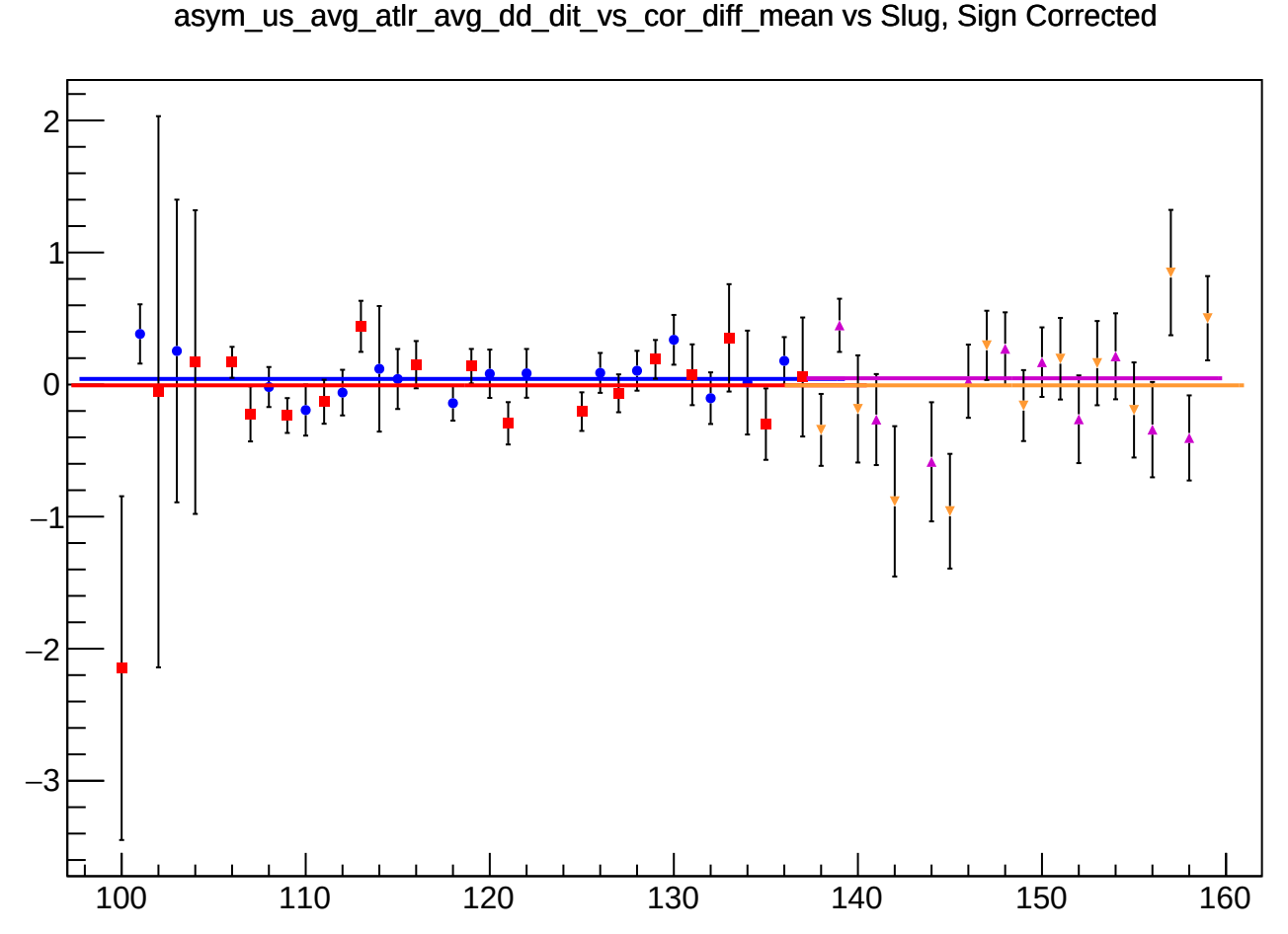
Left: 0.000+/-0.000 χ^2/NDF: 3070192.2/20

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4382472.2/25

Out: 0.000+/-0.000 χ^2/NDF:7132289.0/28

All: 0.000+/-0.000 χ^2/NDF: 13019137.8/54



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.006+/-0.101 χ^2/NDF:17.3/10

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

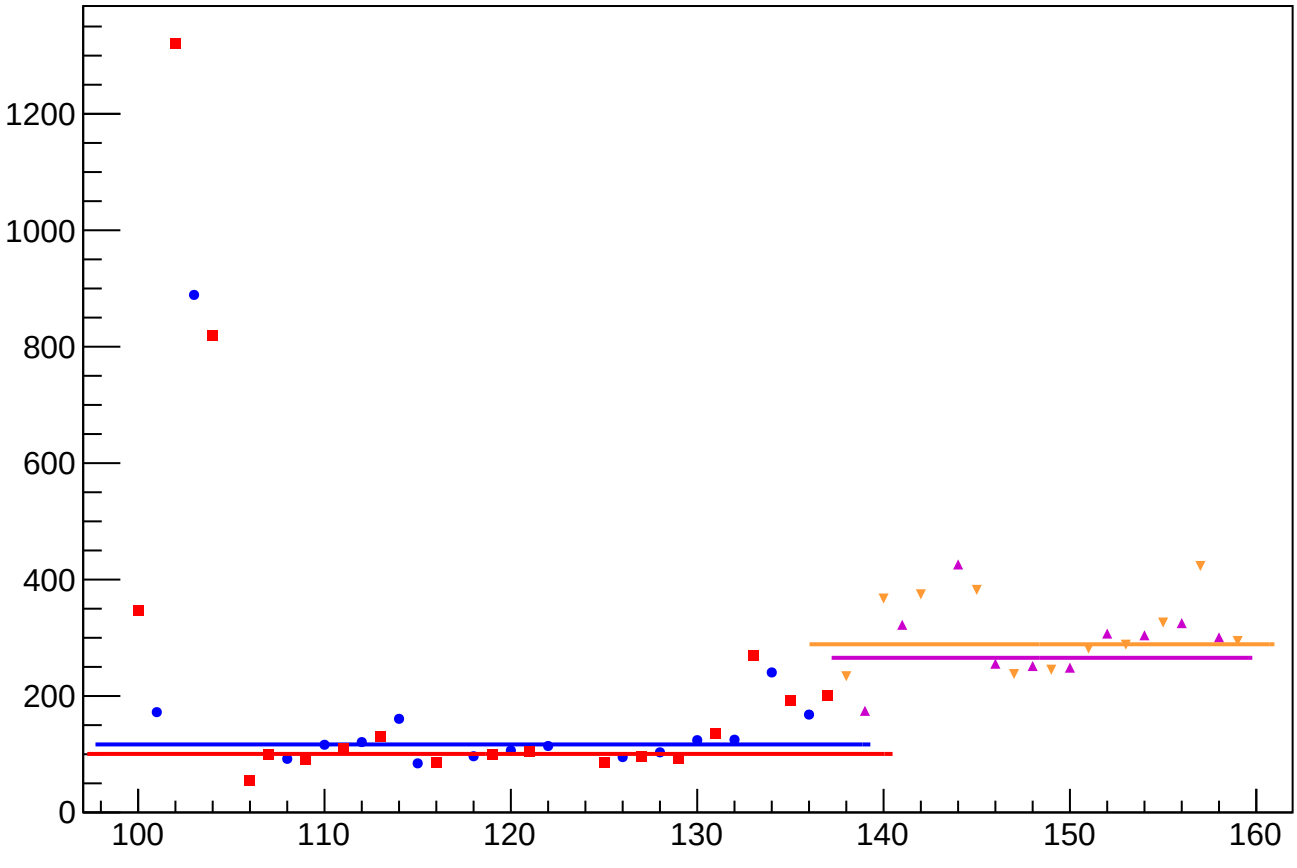
Left: 0.023+/-0.069 χ^2/NDF: 29.4/20

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.017+/-0.029 χ^2/NDF: 66.3/54



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.887+/-0.071 χ^2/NDF:606942.2/10

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

Left: 276.391+/-0.048 χ^2/NDF: 1534874.5/20

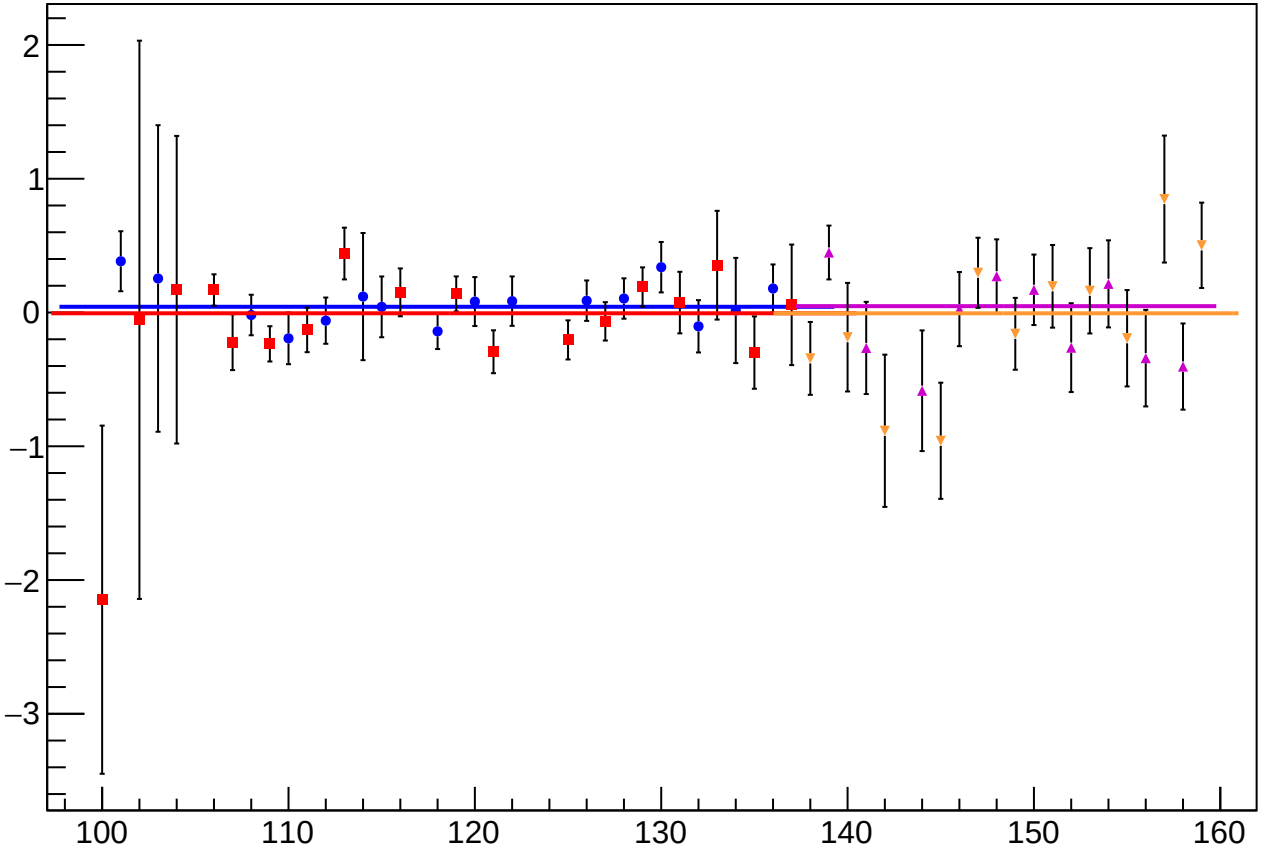
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 147.326+/-0.030 χ^2/NDF:6517471.2/25

Out: 130.030+/-0.028 χ^2/NDF:9173025.3/28

All: 138.155+/-0.021 χ^2/NDF: 15867586.6/54

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: -0.006+/-0.101 χ^2/NDF:17.3/10

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: 0.023+/-0.069 χ^2/NDF: 29.4/20

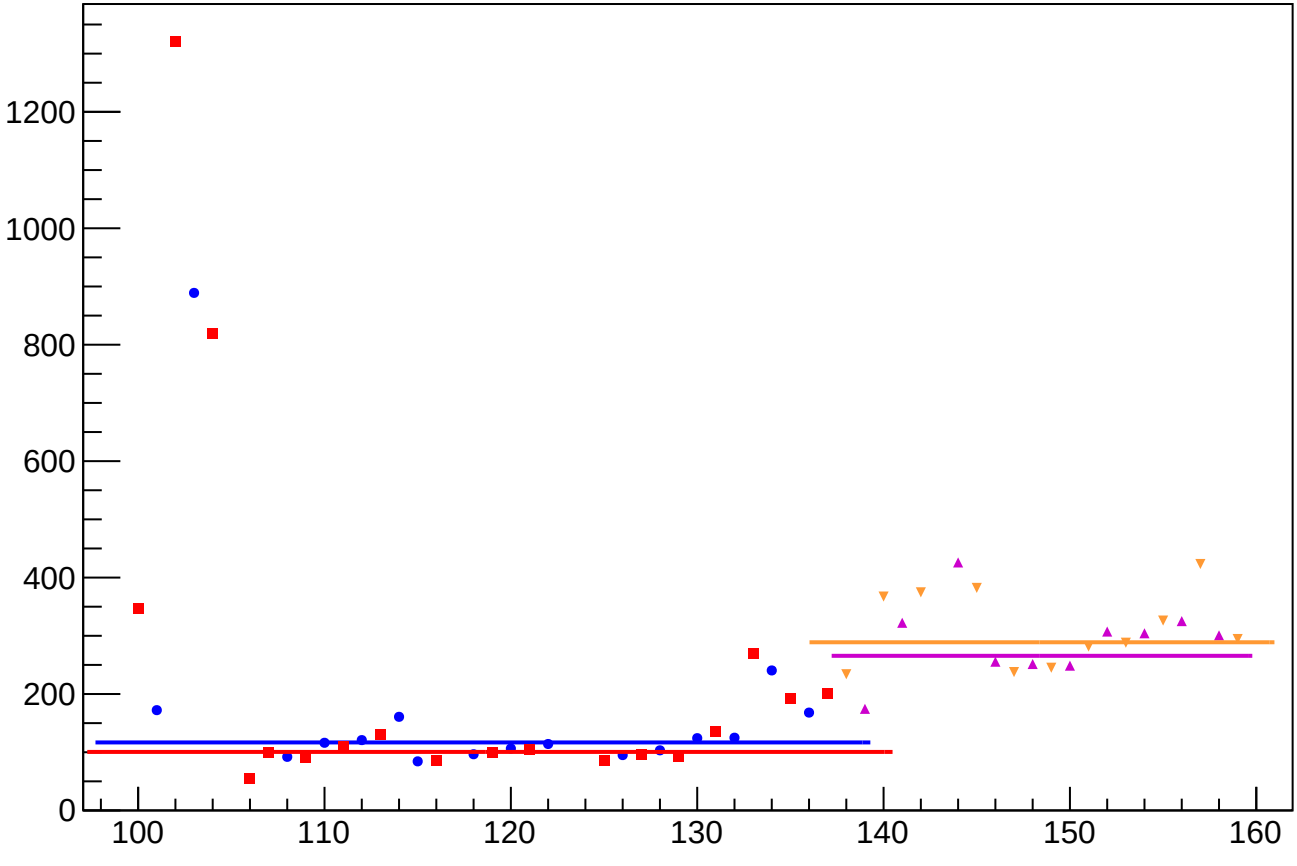
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.017+/-0.029 χ^2/NDF: 66.3/54

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: 288.887+/-0.071 χ^2/NDF:606942.2/10

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

Left: 276.391+/-0.048 χ^2/NDF: 1534874.5/20

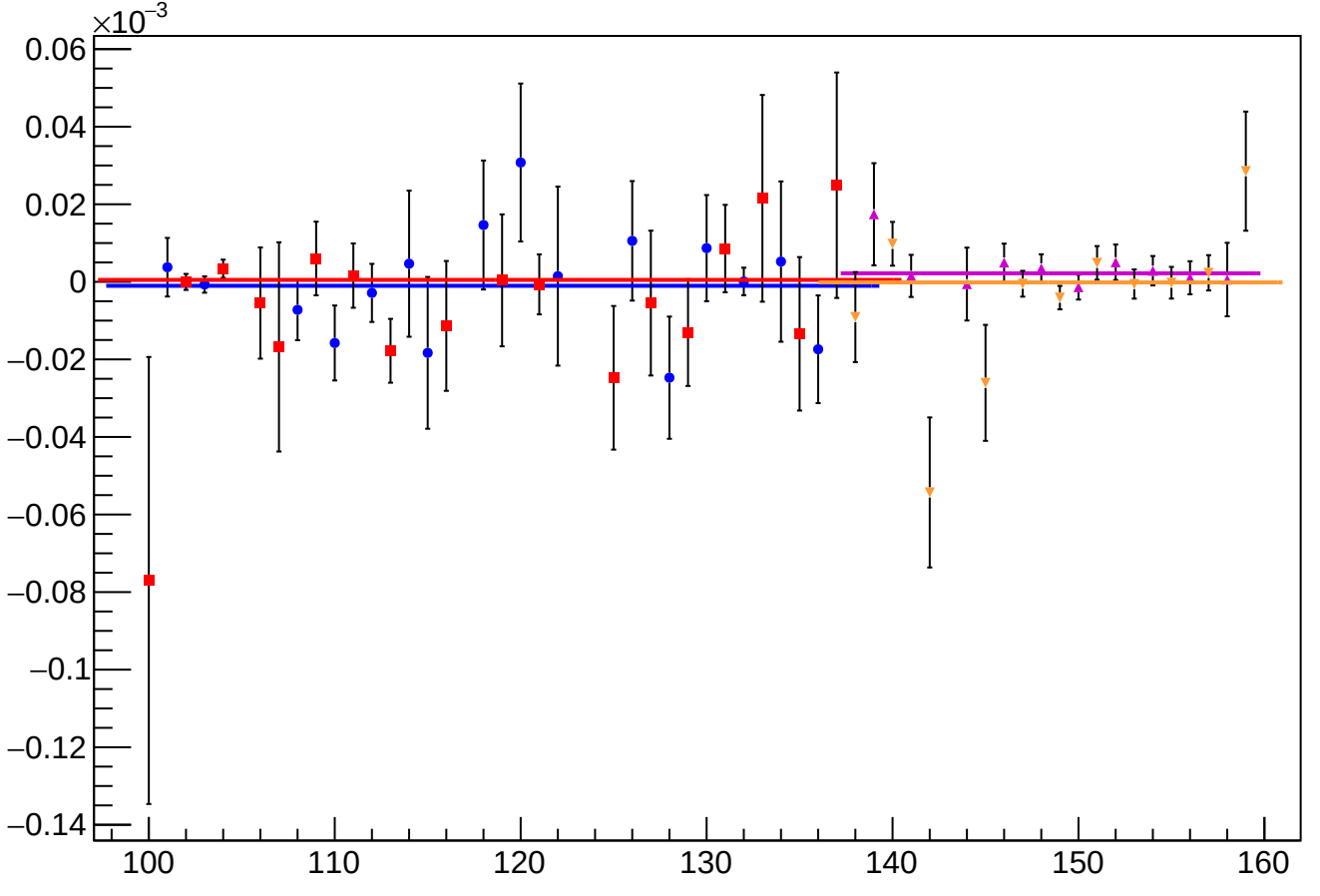
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 147.326+/-0.030 χ^2/NDF:6517471.2/25

Out: 130.030+/-0.028 χ^2/NDF:9173025.3/28

All: 138.155+/-0.021 χ^2/NDF: 15867586.6/54

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:21.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/9

Left: 0.000+/-0.000 χ^2/NDF: 26.3/20

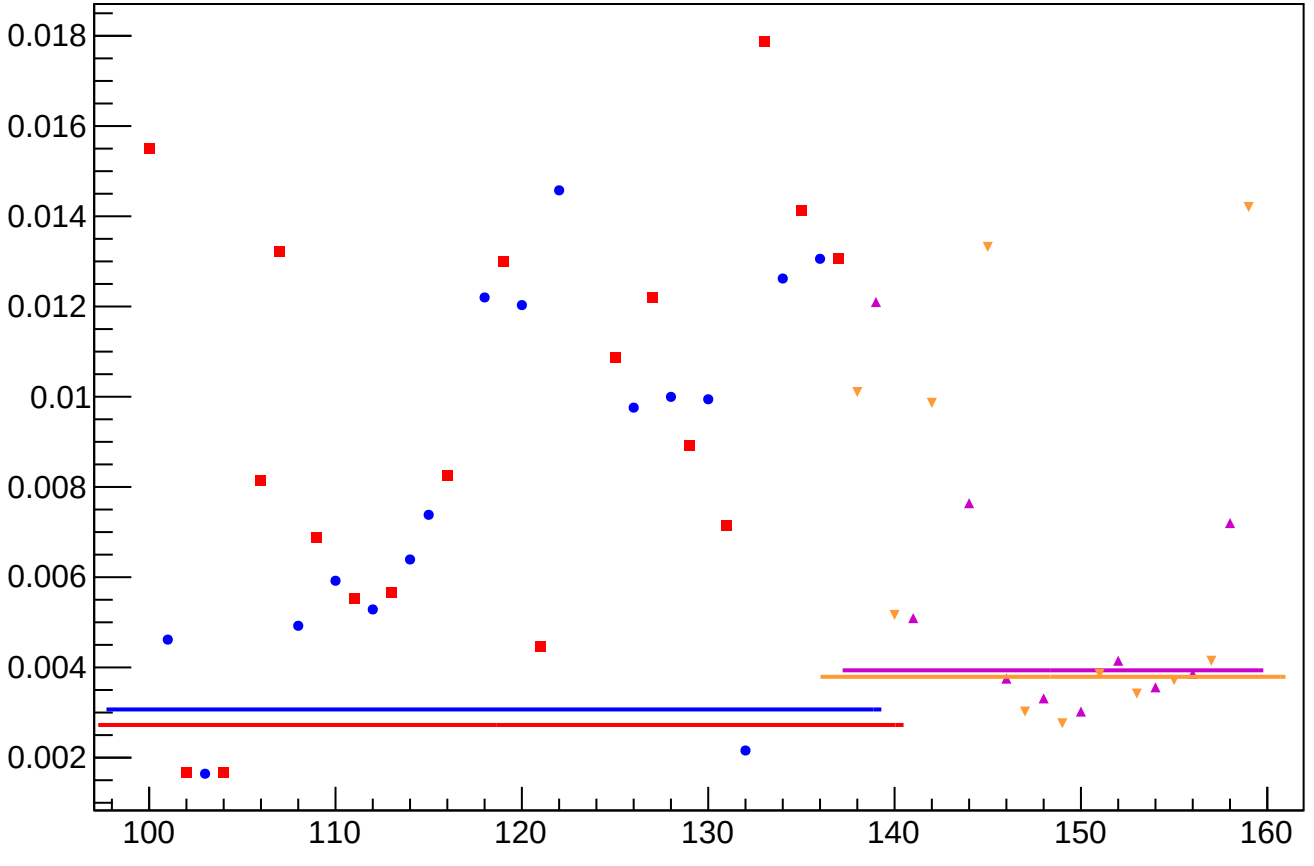
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:18.4/25

Out: 0.000+/-0.000 χ^2/NDF:36.6/28

All: 0.000+/-0.000 χ^2/NDF: 55.1/54

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:3013142.4/10

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1658117.4/9

Left: 0.004+/-0.000 χ^2/NDF: 4680854.7/20

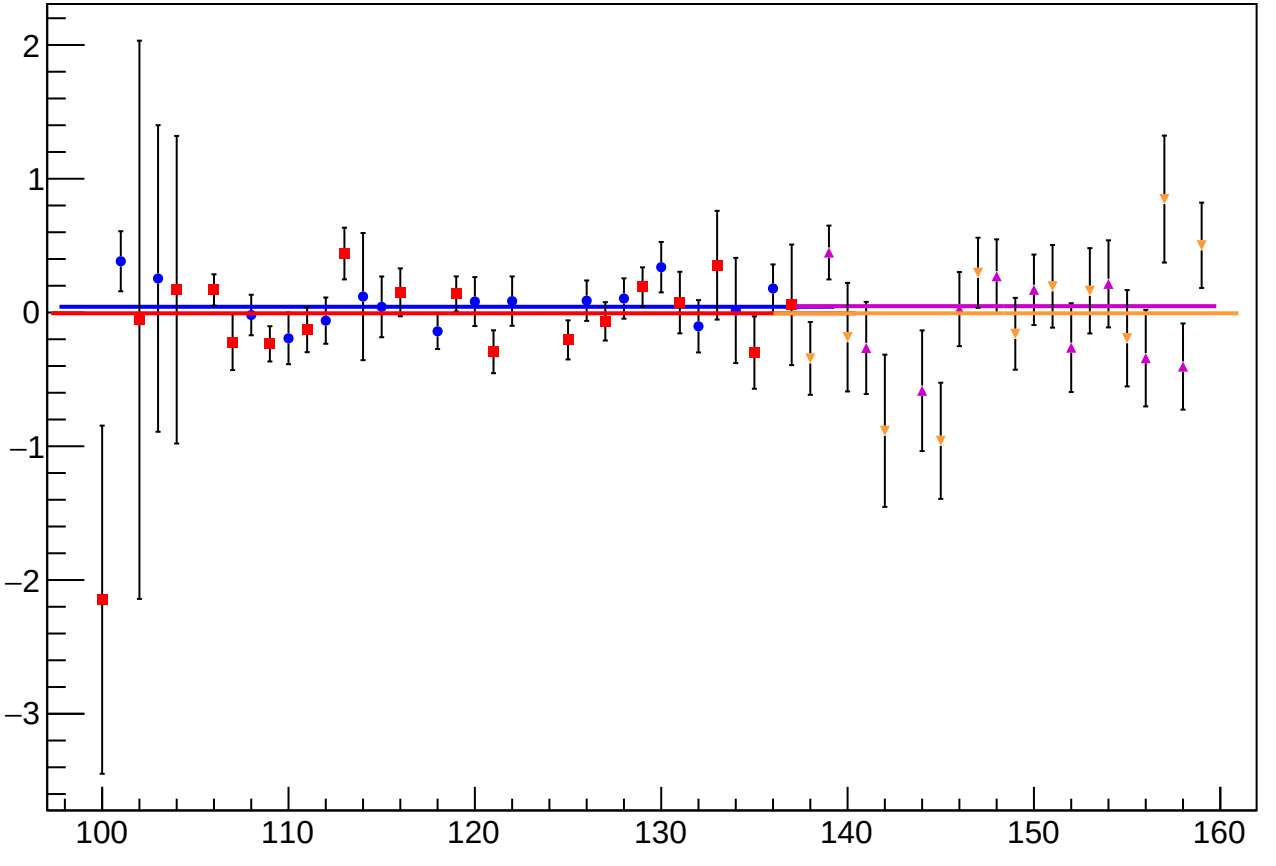
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:7941116.6/25

Out: 0.003+/-0.000 χ^2/NDF:10293391.5/28

All: 0.003+/-0.000 χ^2/NDF: 18309631.0/54

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: -0.006+/-0.101 χ^2/NDF:17.3/10

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: 0.023+/-0.069 χ^2/NDF: 29.4/20

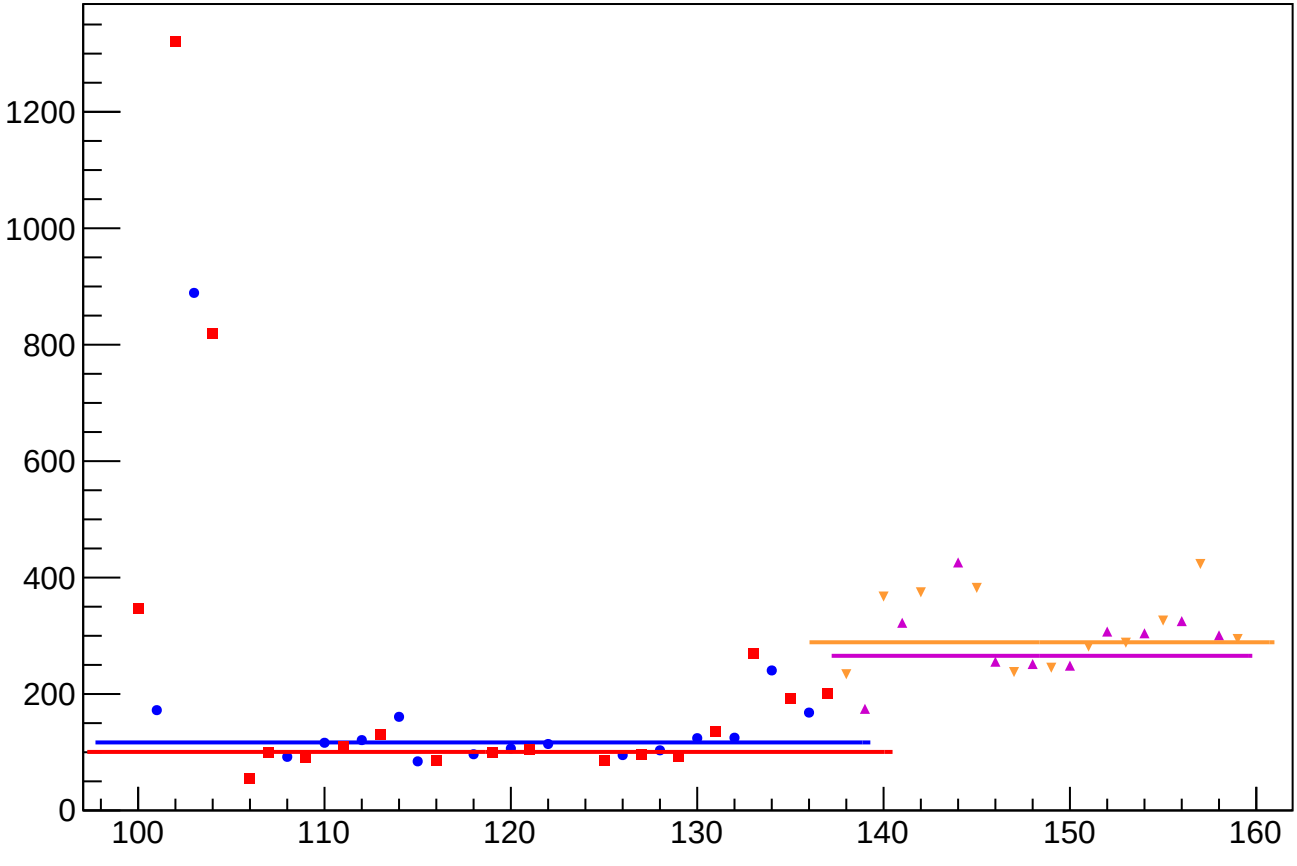
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.017+/-0.029 χ^2/NDF: 66.3/54

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: 288.890+/-0.071 χ^2/NDF:606943.2/10

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

Left: 276.394+/-0.048 χ^2/NDF: 1534829.7/20

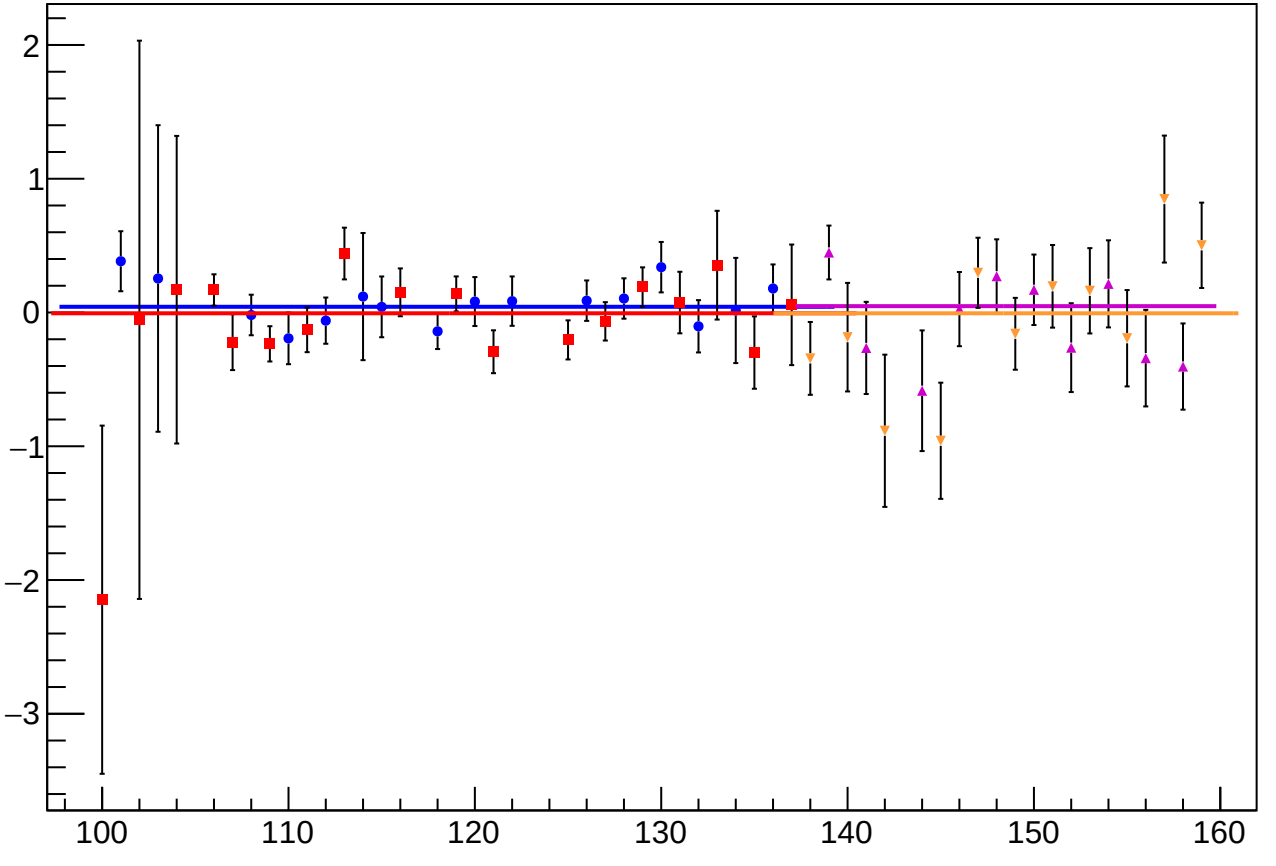
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 147.326+/-0.030 χ^2/NDF:6517553.6/25

Out: 130.028+/-0.028 χ^2/NDF:9173253.7/28

All: 138.155+/-0.021 χ^2/NDF: 15867921.5/54

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: -0.006+/-0.101 χ^2/NDF:17.3/10

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: 0.023+/-0.069 χ^2/NDF: 29.4/20

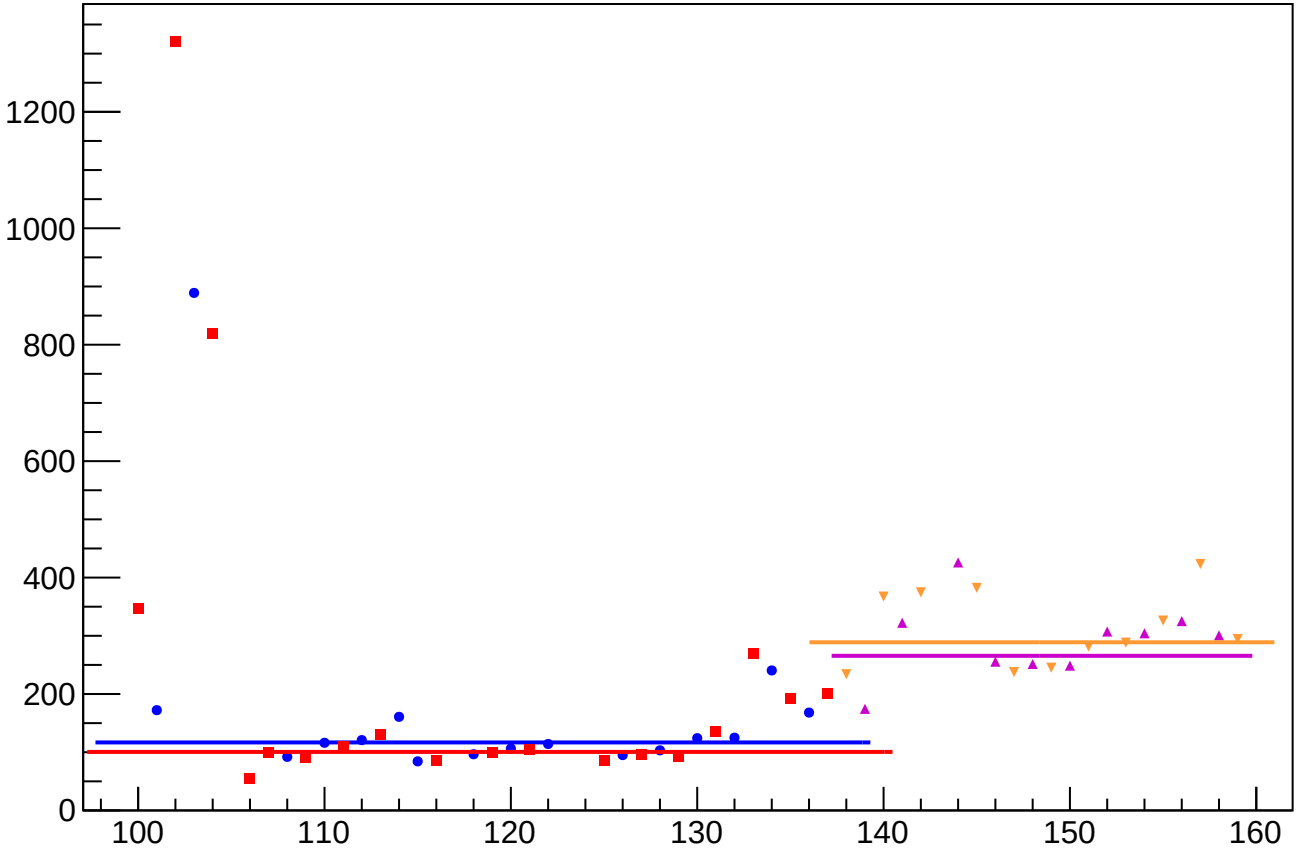
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.017+/-0.029 χ^2/NDF: 66.3/54

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: 288.890+/-0.071 χ^2/NDF:606943.2/10

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

Left: 276.394+/-0.048 χ^2/NDF: 1534829.7/20

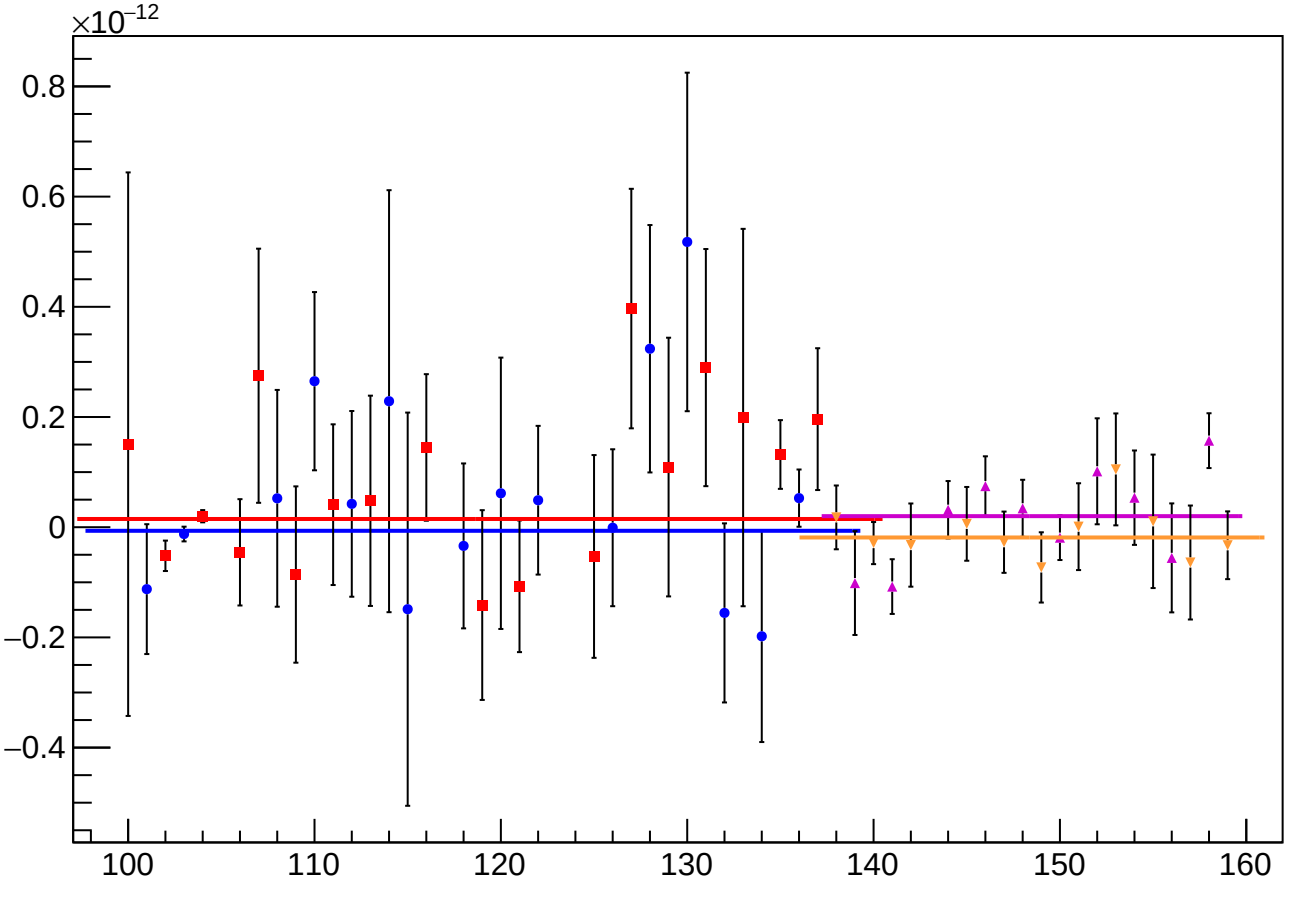
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 147.326+/-0.030 χ^2/NDF:6517553.6/25

Out: 130.028+/-0.028 χ^2/NDF:9173253.7/28

All: 138.155+/-0.021 χ^2/NDF: 15867921.5/54

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:3.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:19.4/9

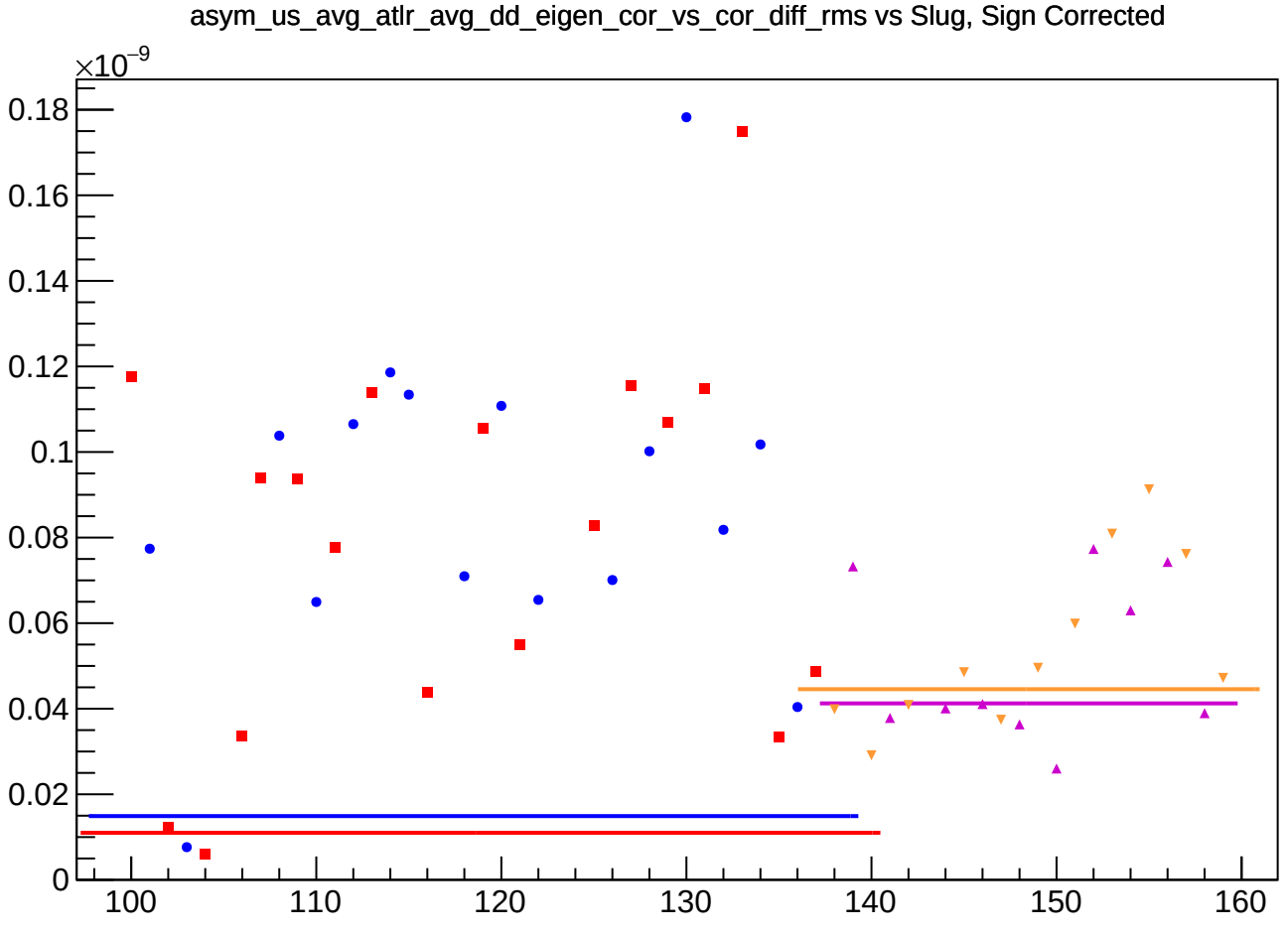
Left: 0.000+/-0.000 χ^2/NDF: 24.7/20

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:33.9/25

Out: 0.000+/-0.000 χ^2/NDF:27.5/28

All: 0.000+/-0.000 χ^2/NDF: 61.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1217306.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1179136.1/9

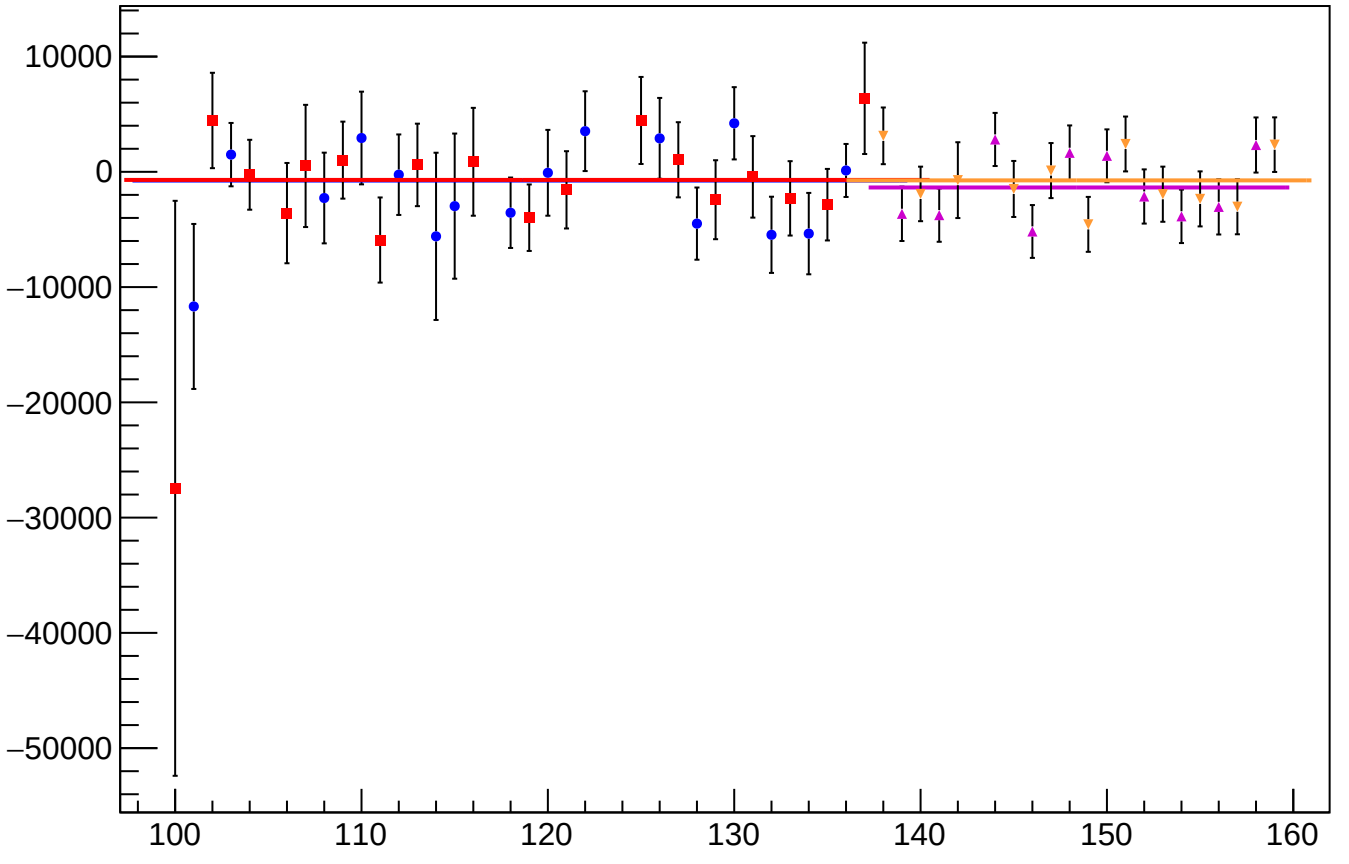
Left: 0.000+/-0.000 χ^2/NDF: 2427141.9/20

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:9884820.2/25

Out: 0.000+/-0.000 χ^2/NDF:11807029.4/28

All: 0.000+/-0.000 χ^2/NDF: 22001132.1/54



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -741.737+/-737.747 χ^2/NDF:10.6/10

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1358.066+/-739.571 χ^2/NDF:15.2/9

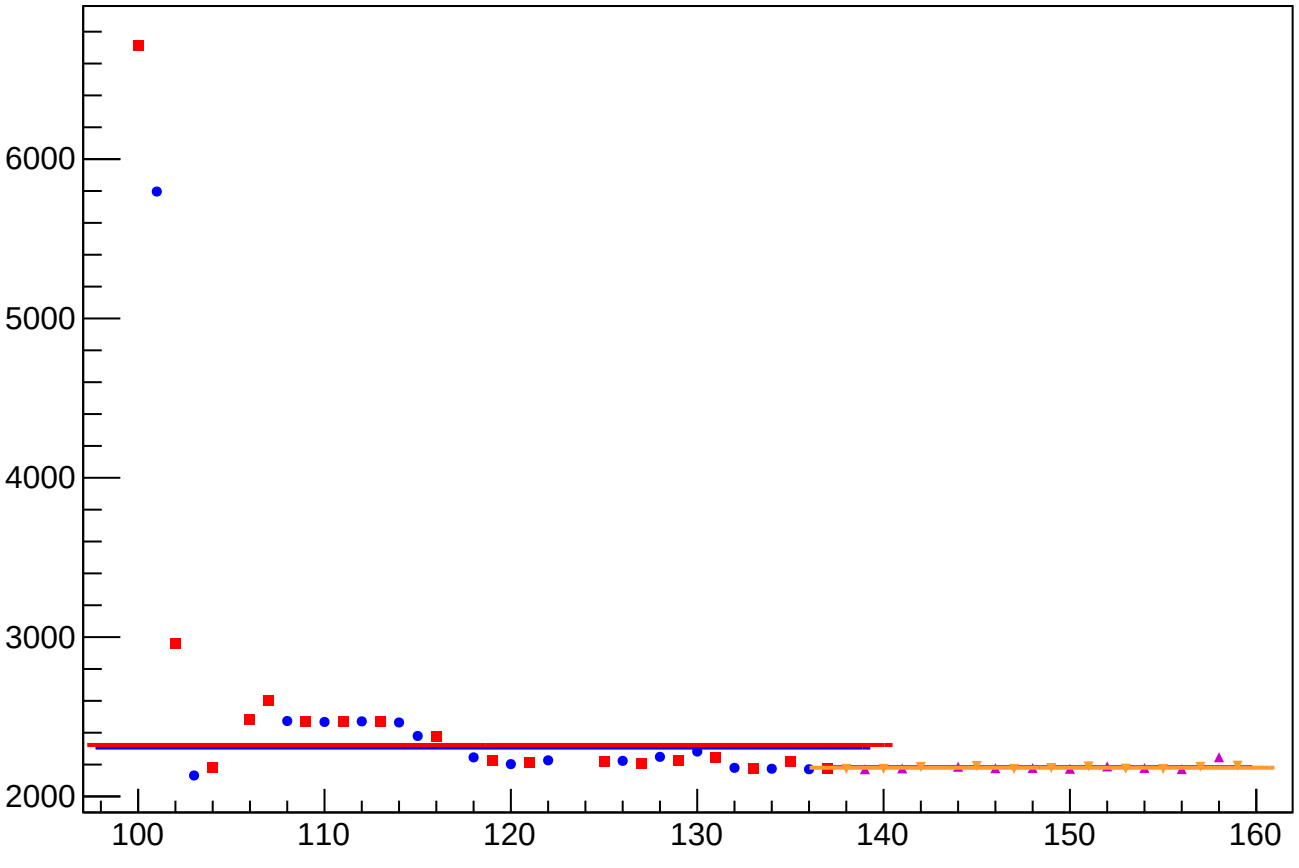
Left: -1049.141+/-522.309 χ^2/NDF: 26.2/20

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1105.680+/-564.204 χ^2/NDF:31.4/25

Out: -725.168+/-562.311 χ^2/NDF:23.0/28

All: -914.785+/-398.282 χ^2/NDF: 54.6/54



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2180.239+/-0.522 χ^2/NDF:236.6/10

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

Left: 2182.359+/-0.369 χ^2/NDF: 1857.8/20

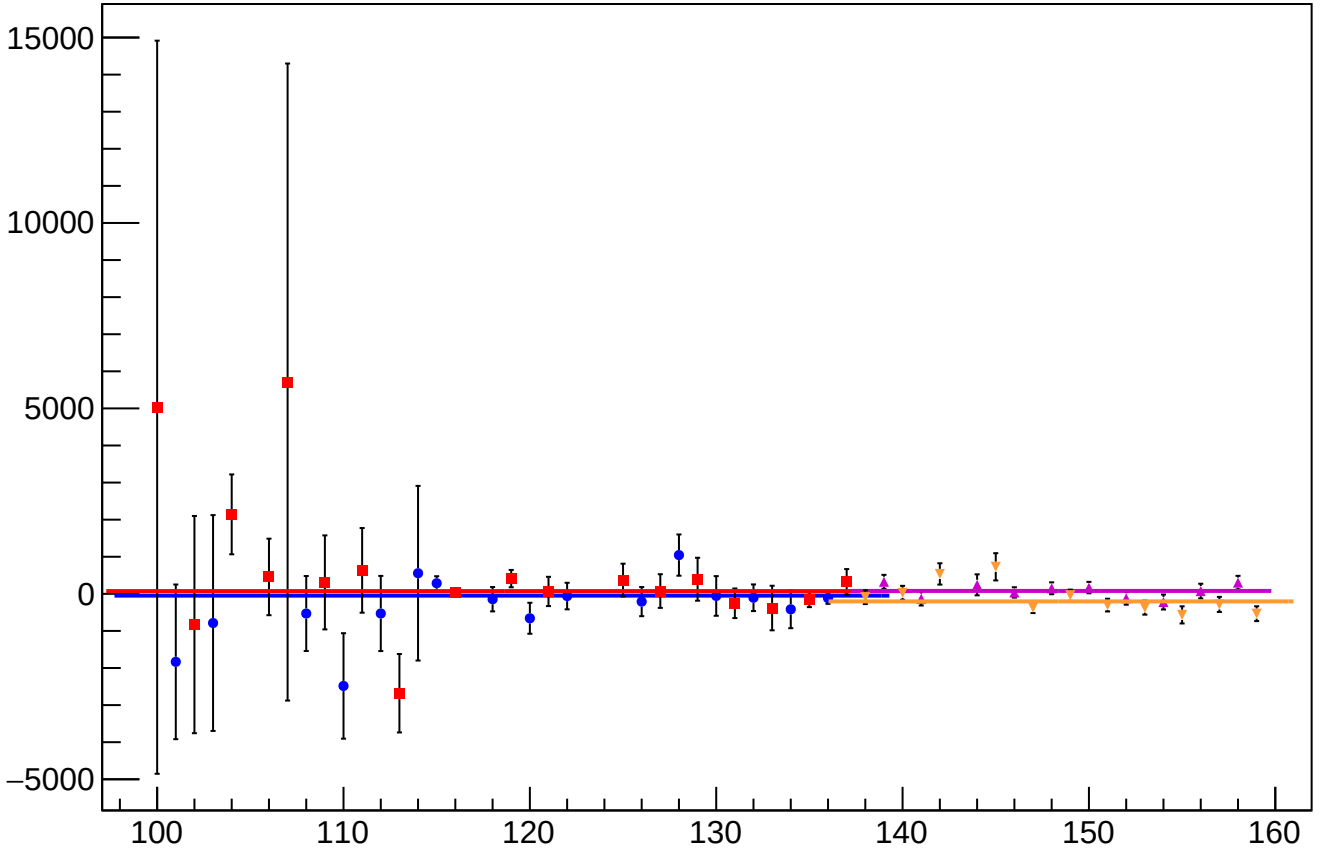
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2235.552+/-0.399 χ^2/NDF:538545.4/25

Out: 2240.068+/-0.398 χ^2/NDF:183411.9/28

All: 2237.817+/-0.282 χ^2/NDF: 722021.6/54

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: -204.163+/-58.126 χ^2/NDF:24.0/10

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 78.583+/-56.137 χ^2/NDF:9.1/9

Left: -57.870+/-40.380 χ^2/NDF: 45.3/20

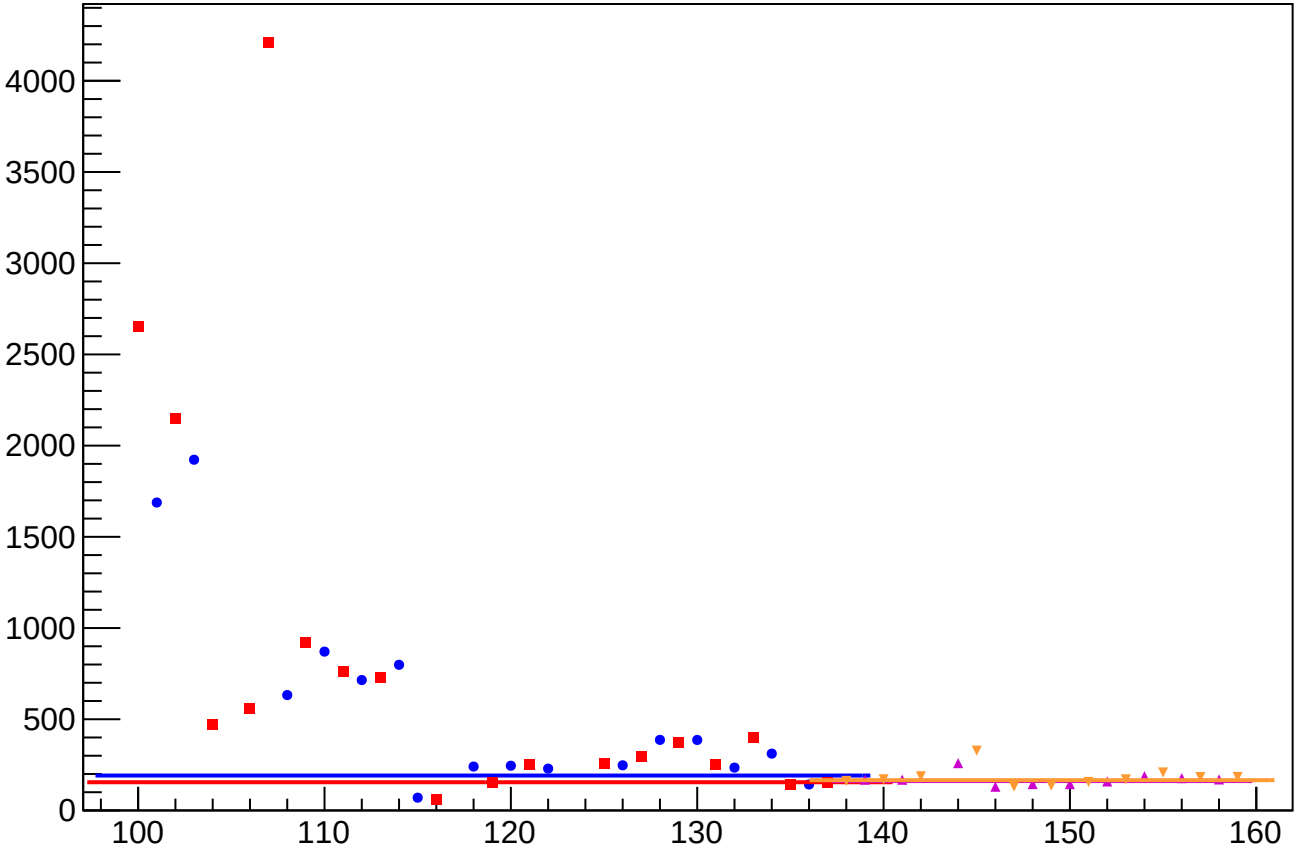
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 43.662+/-47.765 χ^2/NDF:24.8/25

Out: -111.647+/-47.495 χ^2/NDF:49.2/28

All: -34.433+/-33.679 χ^2/NDF: 79.4/54

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: 165.959+/-0.041 χ^2/NDF:698593.9/10

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 161.146+/-0.040 χ^2/NDF:445457.3/9

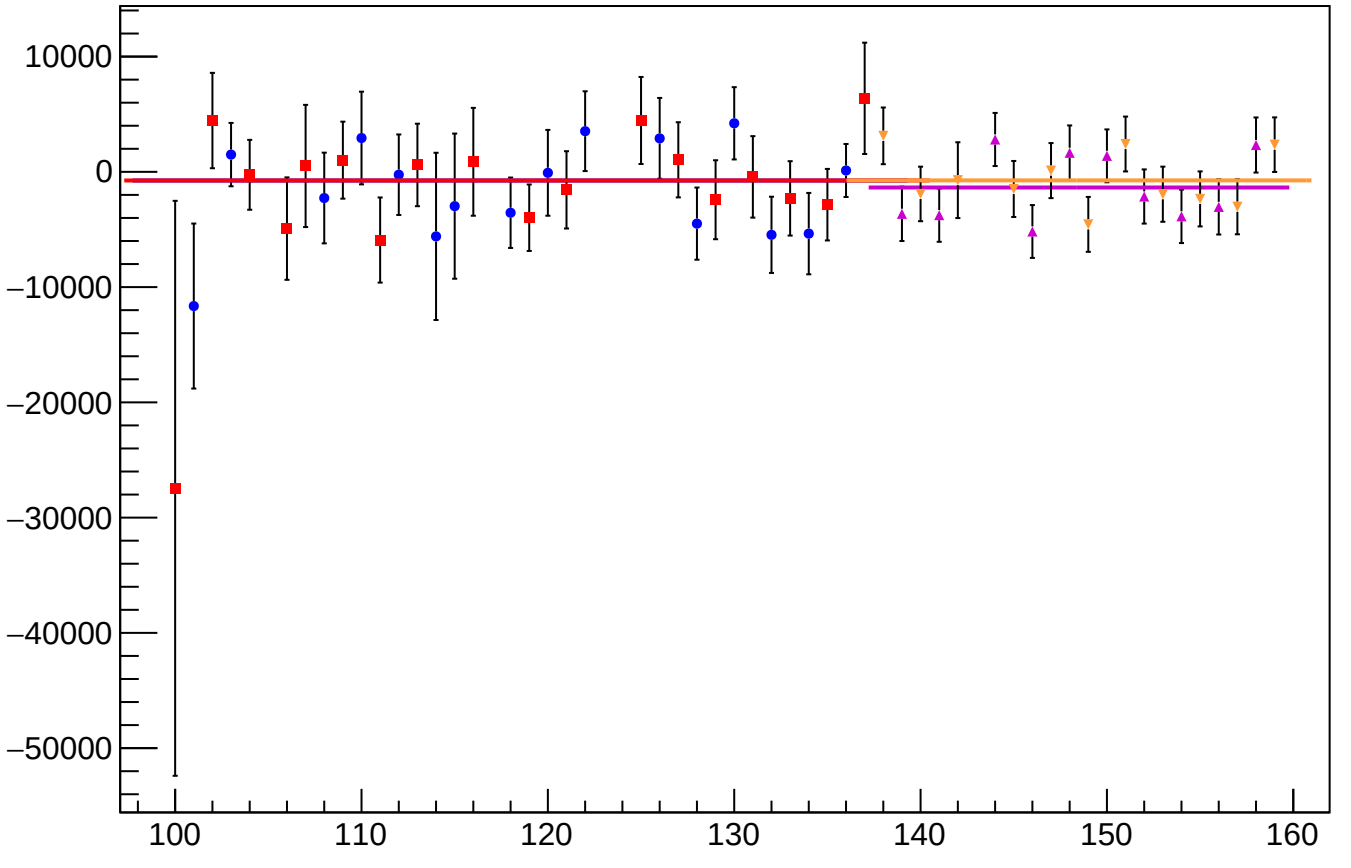
Left: 163.468+/-0.029 χ^2/NDF: 1151146.9/20

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 169.491+/-0.034 χ^2/NDF:5670348.0/25

Out: 162.209+/-0.034 χ^2/NDF:6877922.2/28

All: 165.830+/-0.024 χ^2/NDF: 12571646.2/54



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -741.732+/-737.747 χ^2/NDF:10.6/10

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1357.966+/-739.571 χ^2/NDF:15.2/9

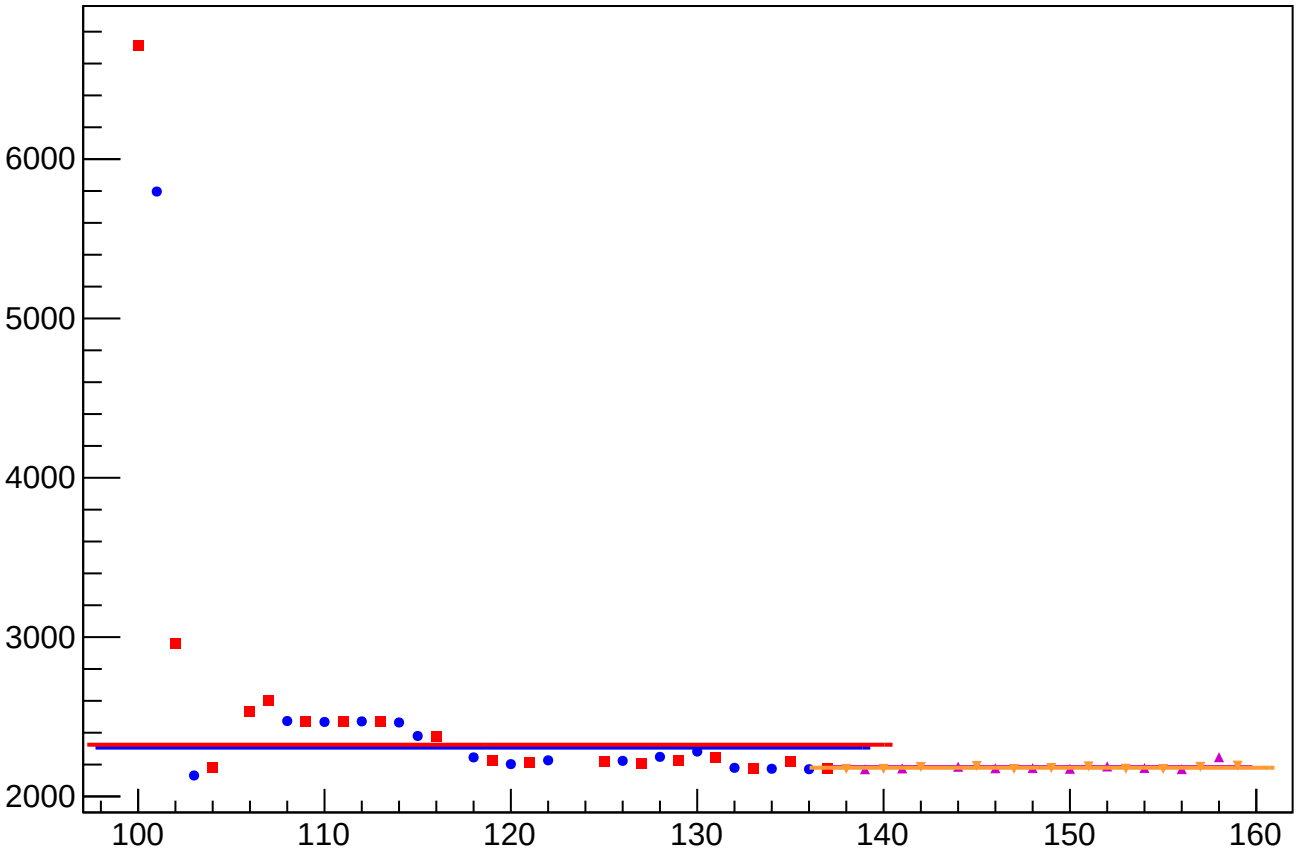
Left: -1049.088+/-522.309 χ^2/NDF: 26.2/20

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1105.217+/-564.204 χ^2/NDF:31.4/25

Out: -744.907+/-562.506 χ^2/NDF:23.4/28

All: -924.519+/-398.351 χ^2/NDF: 55.0/54



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2180.239+/-0.522 χ^2/NDF:236.6/10

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

Left: 2182.359+/-0.369 χ^2/NDF: 1857.8/20

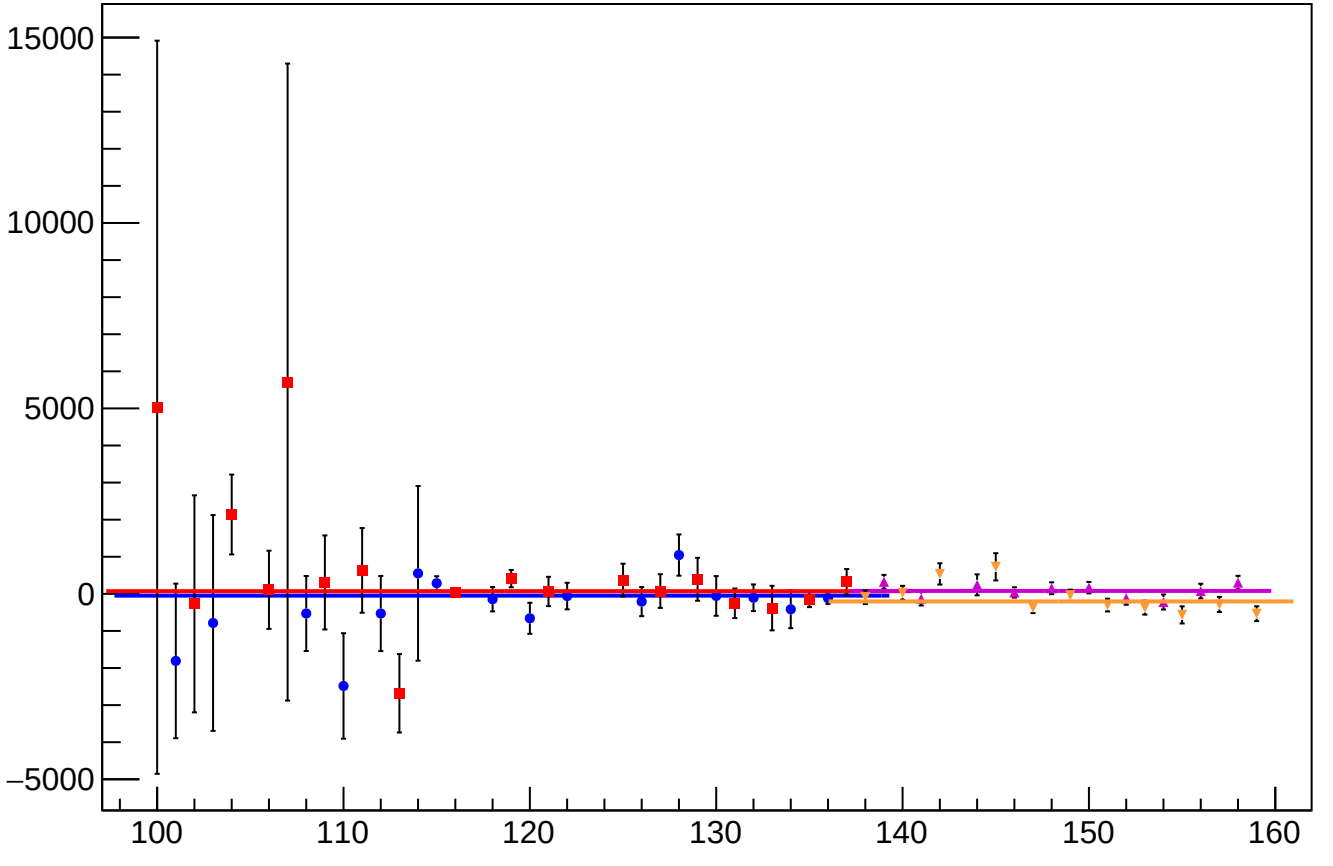
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2235.552+/-0.399 χ^2/NDF:538545.7/25

Out: 2240.711+/-0.398 χ^2/NDF:185913.0/28

All: 2238.139+/-0.282 χ^2/NDF: 724542.5/54

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: -204.066+/-58.128 χ^2/NDF:24.0/10

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 78.644+/-56.142 χ^2/NDF:9.0/9

Left: -57.799+/-40.382 χ^2/NDF: 45.2/20

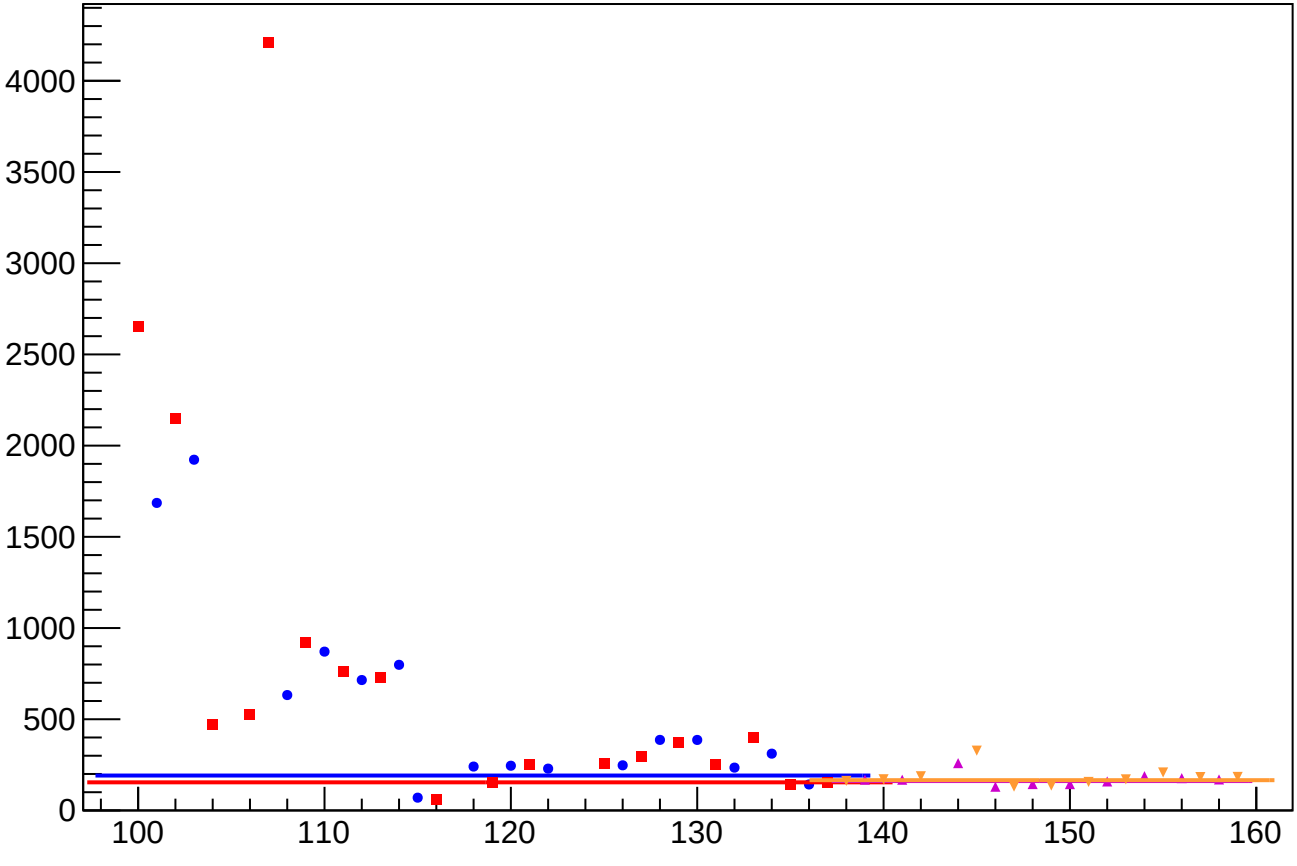
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 43.696+/-47.769 χ^2/NDF:24.8/25

Out: -112.152+/-47.484 χ^2/NDF:48.9/28

All: -34.695+/-33.676 χ^2/NDF: 79.0/54

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: 165.963+/-0.041 χ^2/NDF:698686.9/10

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

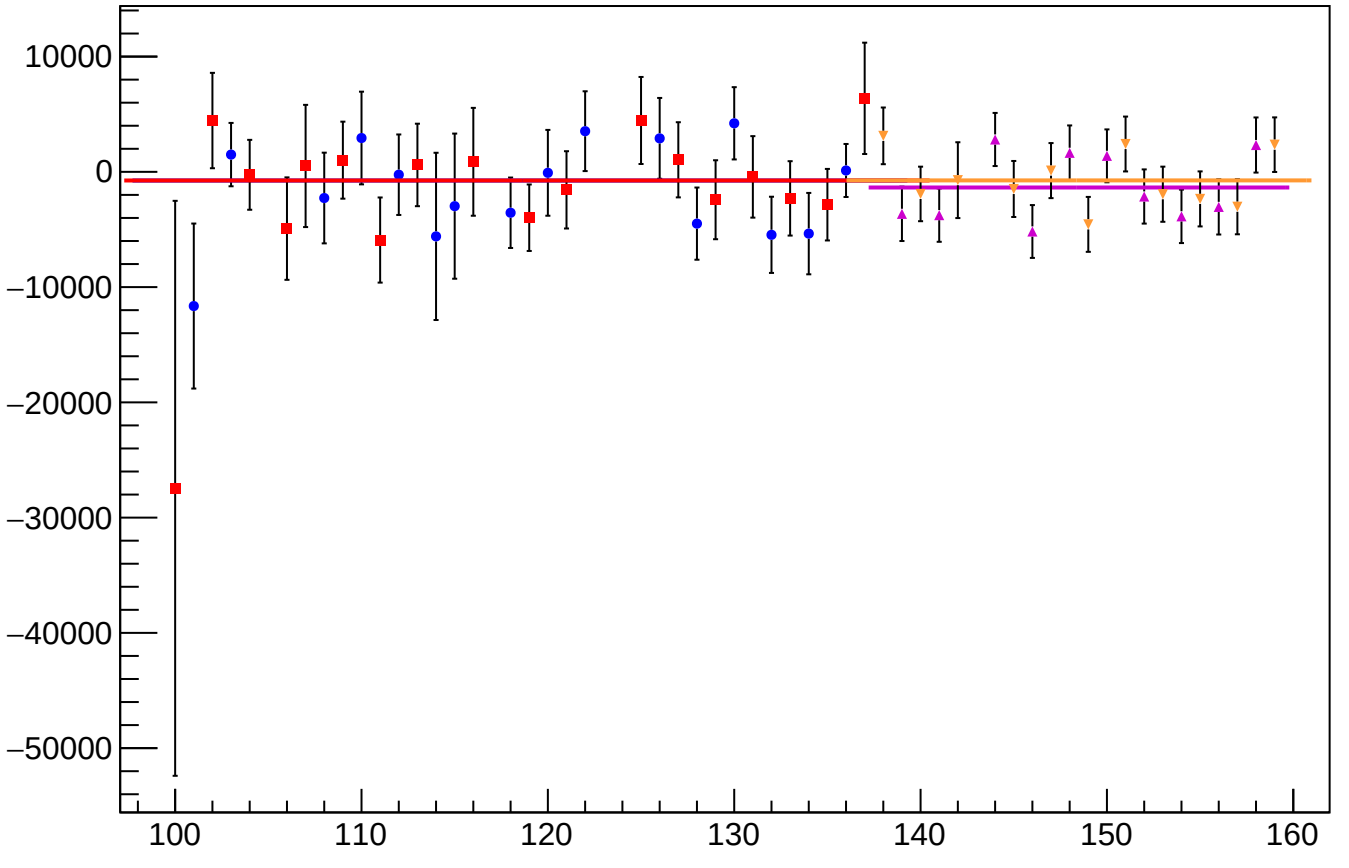
Left: 163.478+/-0.029 χ^2/NDF: 1151186.0/20

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 169.509+/-0.034 χ^2/NDF:5669260.5/25

Out: 162.023+/-0.034 χ^2/NDF:6834968.9/28

All: 165.744+/-0.024 χ^2/NDF: 12528934.1/54



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -741.732+/-737.747 χ^2/NDF:10.6/10

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1357.966+/-739.571 χ^2/NDF:15.2/9

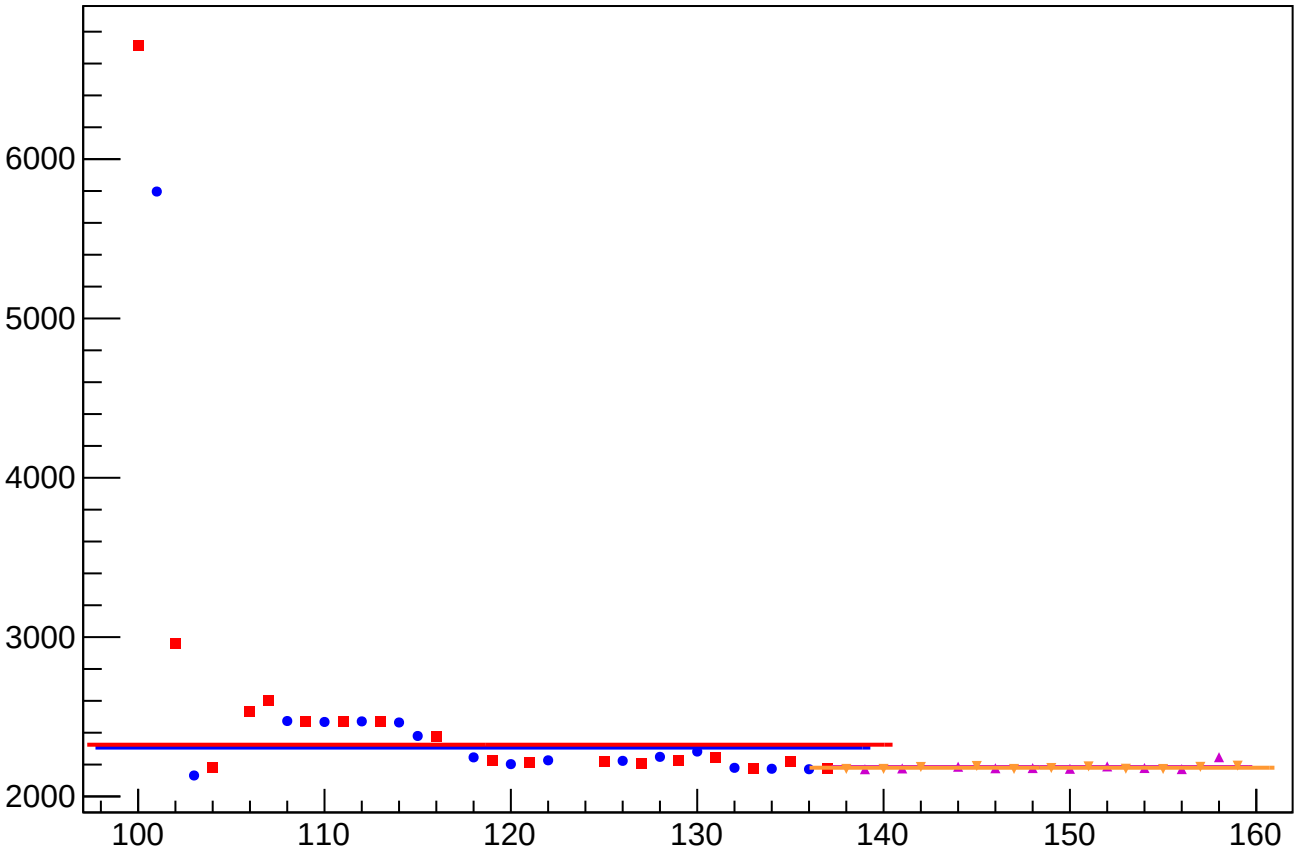
Left: -1049.088+/-522.309 χ^2/NDF: 26.2/20

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1105.217+/-564.204 χ^2/NDF:31.4/25

Out: -744.907+/-562.506 χ^2/NDF:23.4/28

All: -924.519+/-398.351 χ^2/NDF: 55.0/54



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2180.239+/-0.522 χ^2/NDF:236.6/10

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

Left: 2182.359+/-0.369 χ^2/NDF: 1857.8/20

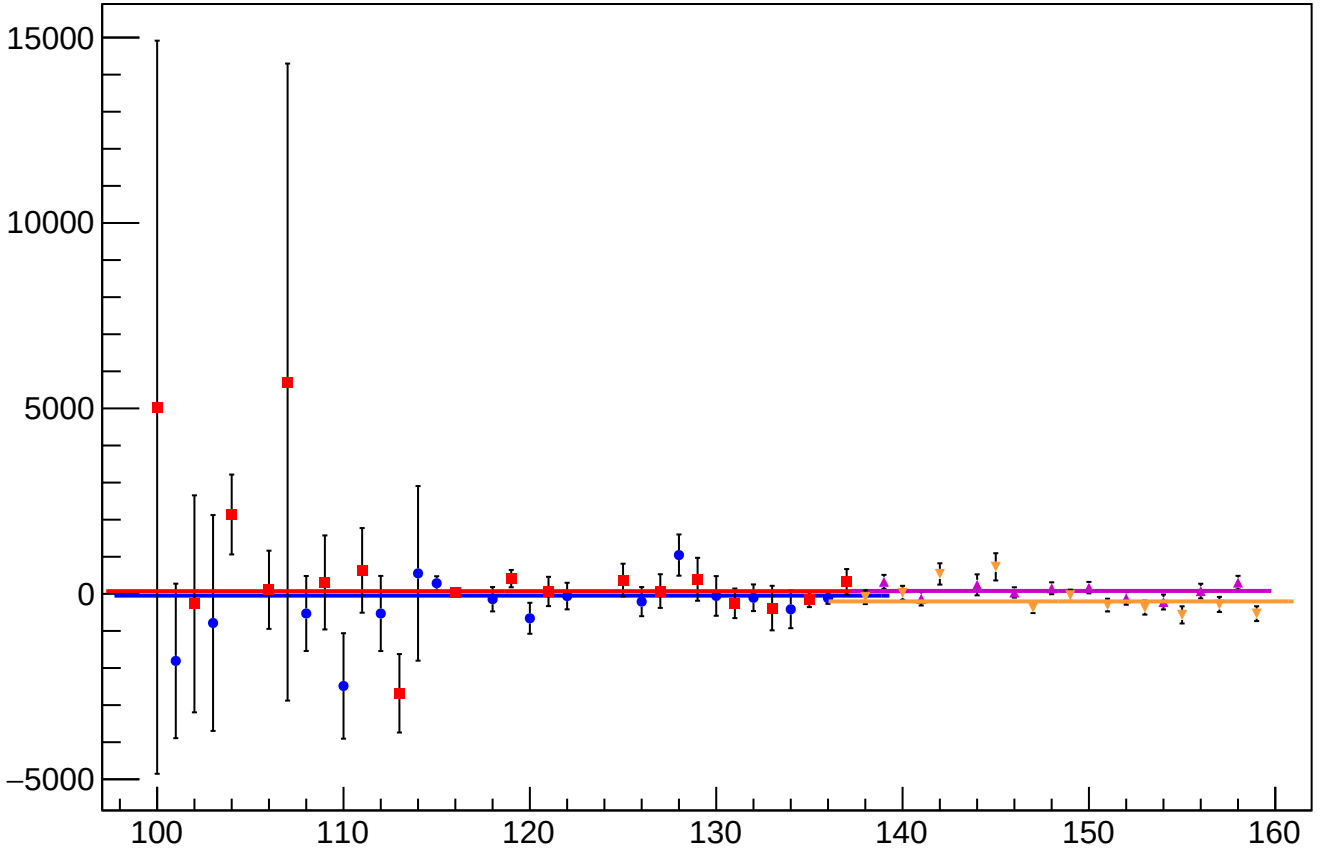
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2235.552+/-0.399 χ^2/NDF:538545.7/25

Out: 2240.711+/-0.398 χ^2/NDF:185913.0/28

All: 2238.139+/-0.282 χ^2/NDF: 724542.5/54

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: -204.066+/-58.128 χ^2/NDF:24.0/10

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 78.644+/-56.142 χ^2/NDF:9.0/9

Left: -57.799+/-40.382 χ^2/NDF: 45.2/20

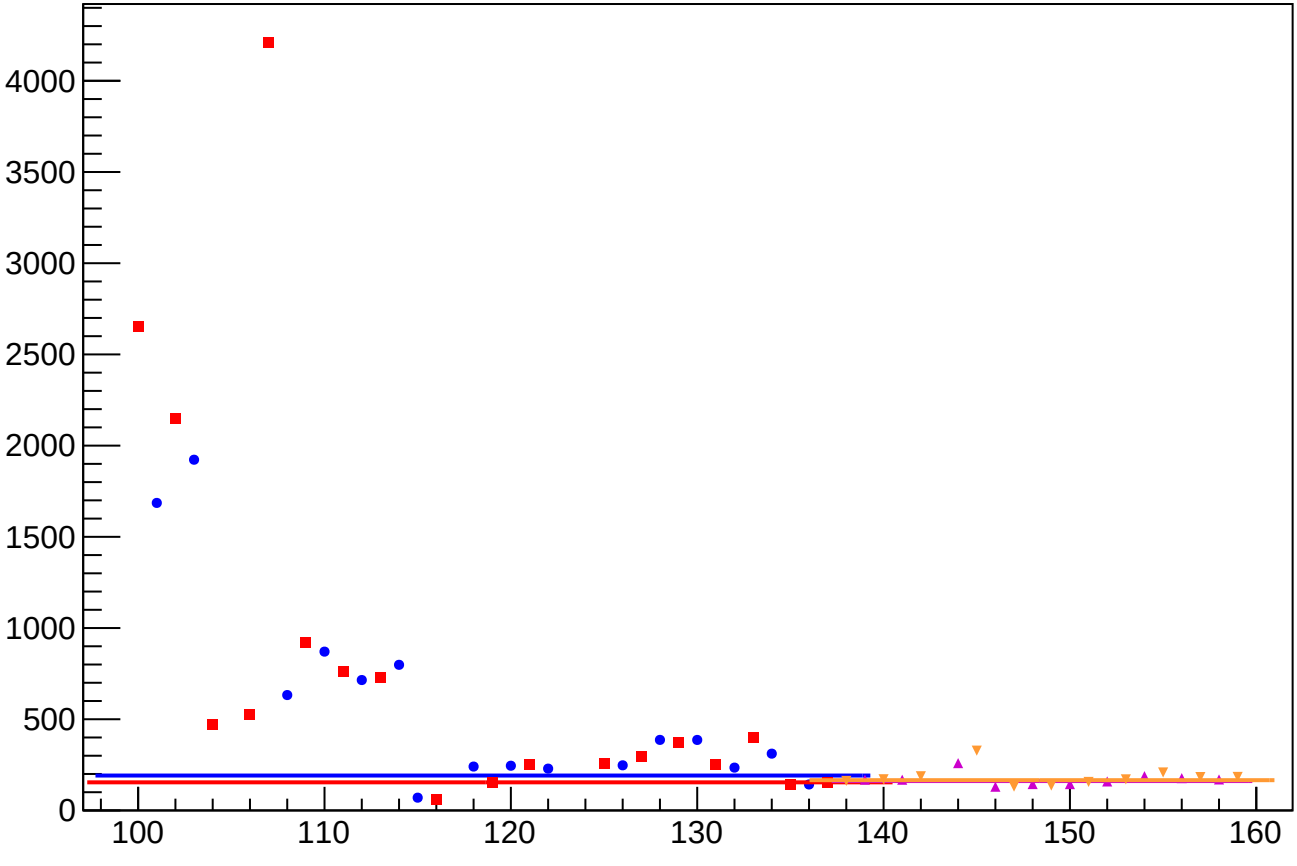
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 43.696+/-47.769 χ^2/NDF:24.8/25

Out: -112.152+/-47.484 χ^2/NDF:48.9/28

All: -34.695+/-33.676 χ^2/NDF: 79.0/54

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: 165.963+/-0.041 χ^2/NDF:698686.9/10

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

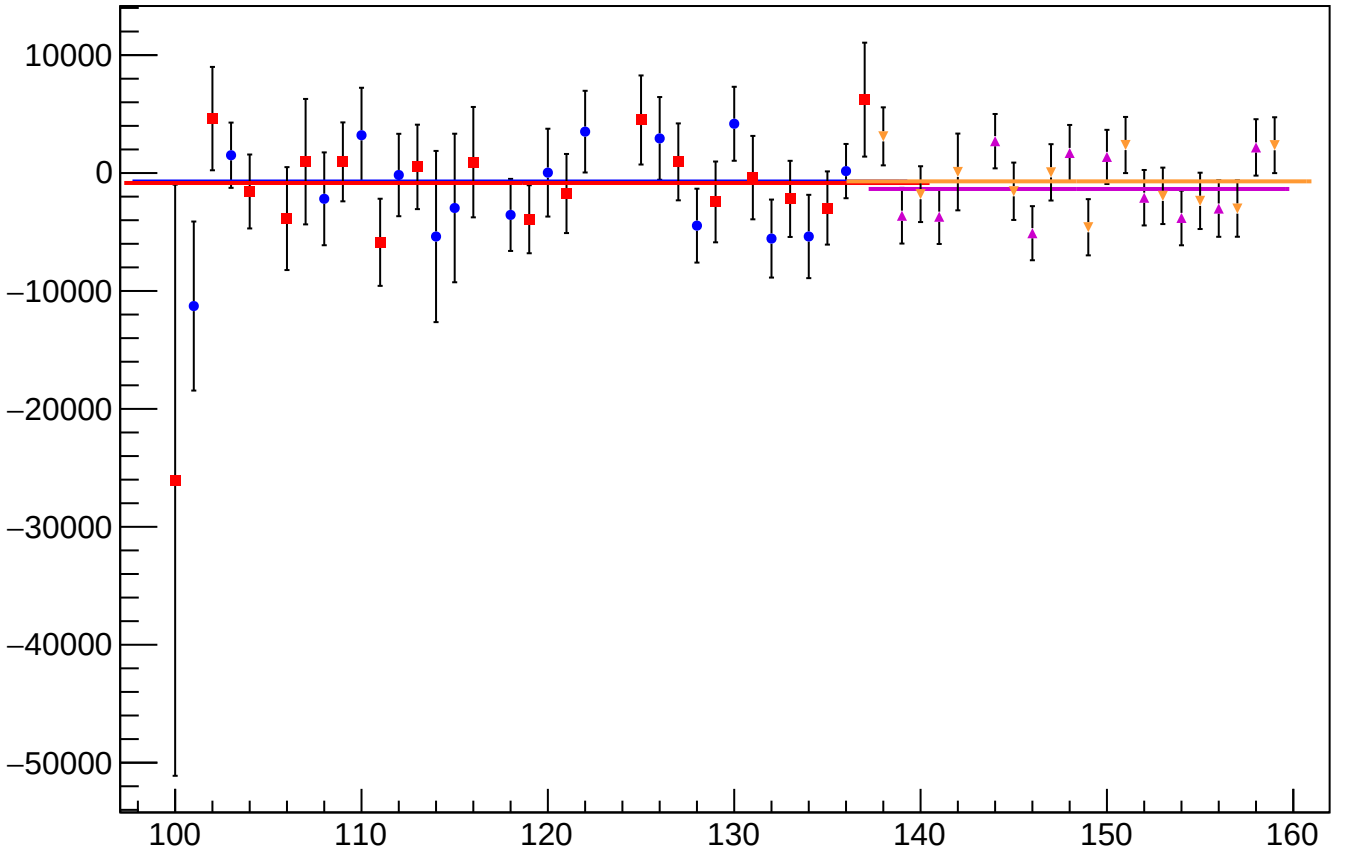
Left: 163.478+/-0.029 χ^2/NDF: 1151186.0/20

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 169.509+/-0.034 χ^2/NDF:5669260.5/25

Out: 162.023+/-0.034 χ^2/NDF:6834968.9/28

All: 165.744+/-0.024 χ^2/NDF: 12528934.1/54



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -704.898+/-737.591 χ^2/NDF:10.6/10

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -1351.753+/-739.828 χ^2/NDF:14.6/9

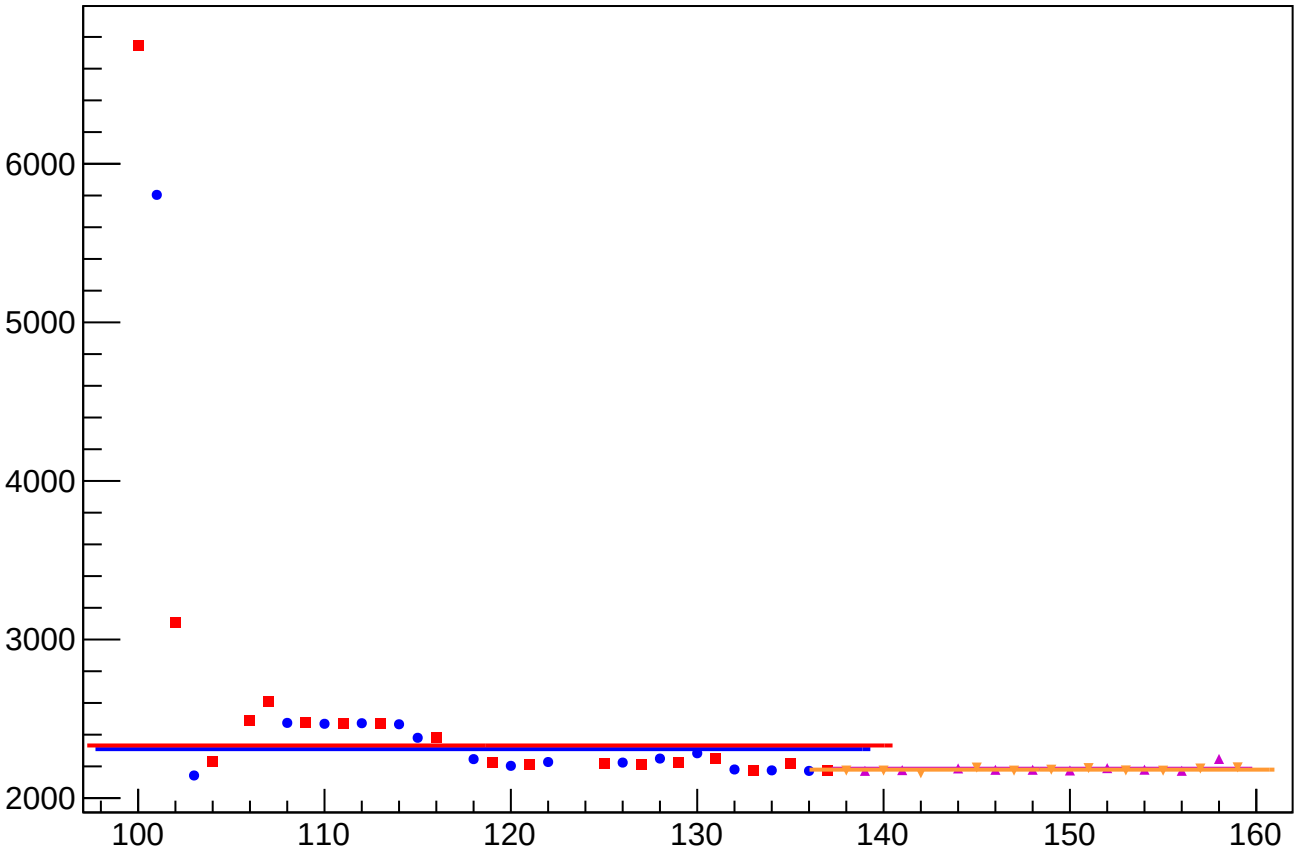
Left: -1027.346+/-522.345 χ^2/NDF: 25.6/20

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1086.681+/-564.558 χ^2/NDF:30.8/25

Out: -762.024+/-563.575 χ^2/NDF:22.8/28

All: -924.070+/-398.855 χ^2/NDF: 53.7/54



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.484+/-0.522 χ^2/NDF:341.6/10

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

Left: 2182.358+/-0.369 χ^2/NDF: 1984.1/20

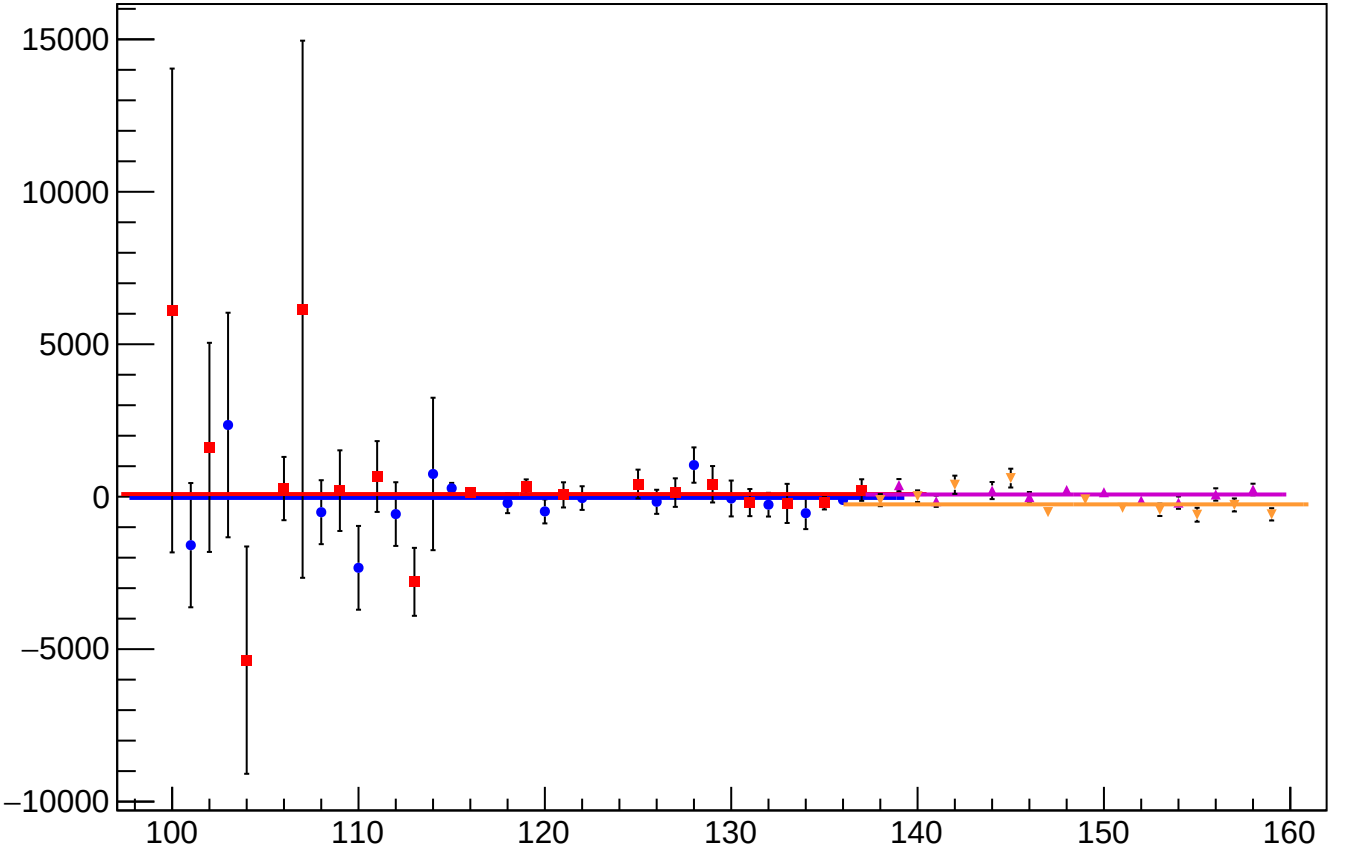
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2236.830+/-0.399 χ^2/NDF:538598.2/25

Out: 2242.897+/-0.399 χ^2/NDF:203182.7/28

All: 2239.869+/-0.282 χ^2/NDF: 741896.6/54

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -251.429+/-58.959 χ^2/NDF:24.9/10

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 72.576+/-57.530 χ^2/NDF:9.3/9

Left: -85.452+/-41.176 χ^2/NDF: 49.7/20

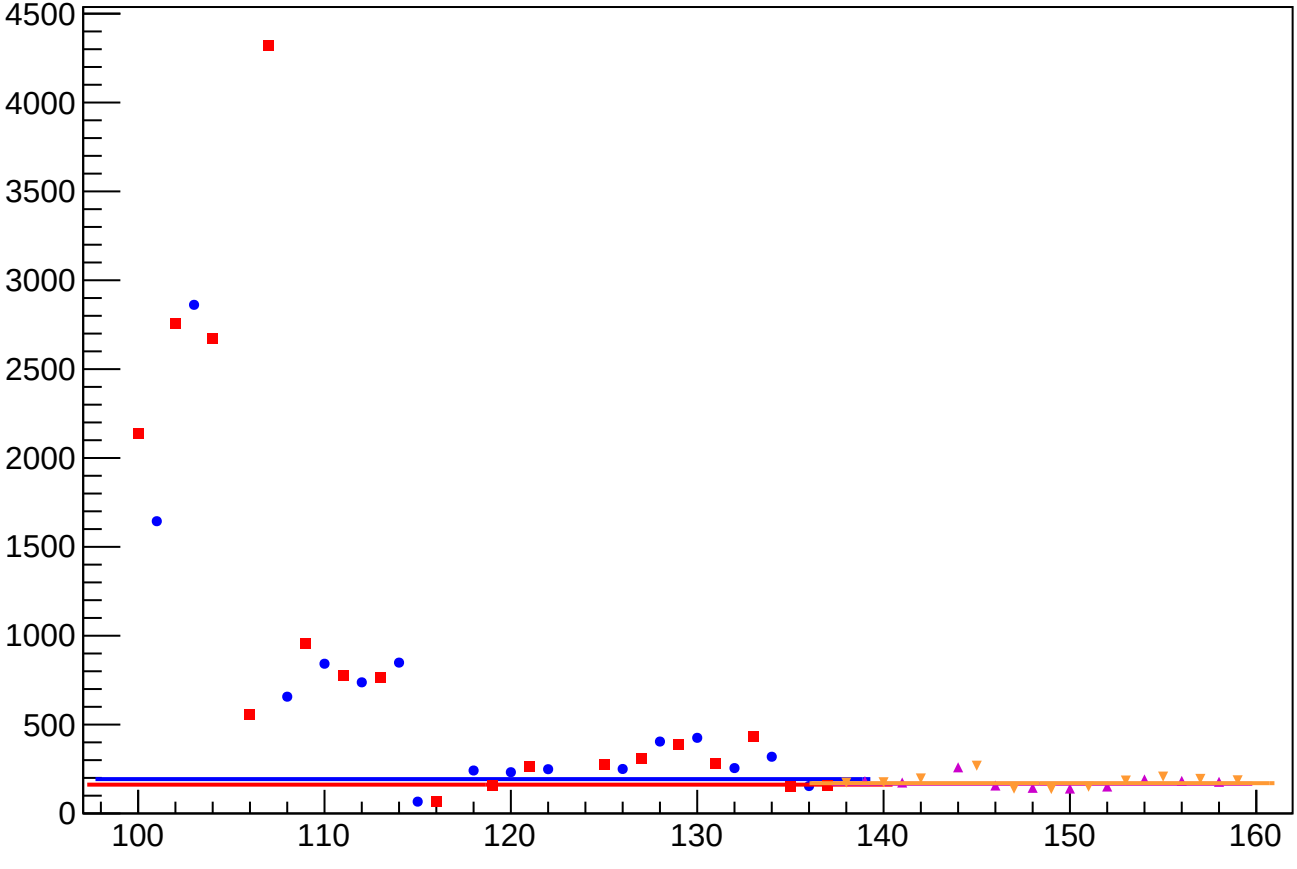
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 41.098+/-48.839 χ^2/NDF:24.4/25

Out: -143.572+/-48.644 χ^2/NDF:50.3/28

All: -51.605+/-34.465 χ^2/NDF: 81.9/54

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: 170.371+/-0.042 χ^2/NDF:528294.9/10

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 167.014+/-0.041 χ^2/NDF:413613.2/9

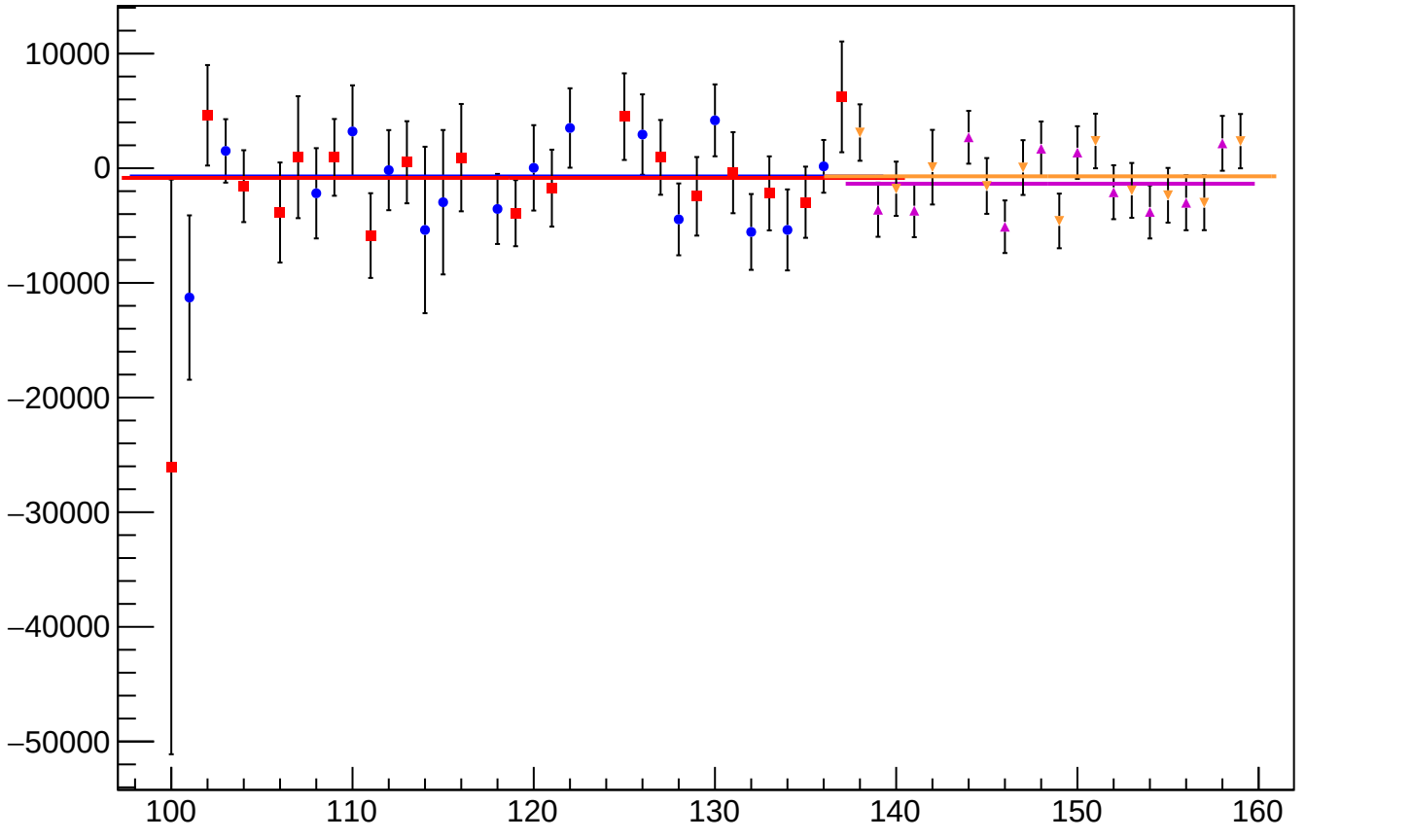
Left: 168.652+/-0.029 χ^2/NDF: 945229.6/20

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 174.344+/-0.035 χ^2/NDF:6147686.5/25

Out: 167.735+/-0.034 χ^2/NDF:7611309.1/28

All: 171.026+/-0.024 χ^2/NDF: 13777381.0/54



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -704.900+/-737.591 χ^2/NDF:10.6/10

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -1351.753+/-739.828 χ^2/NDF:14.6/9

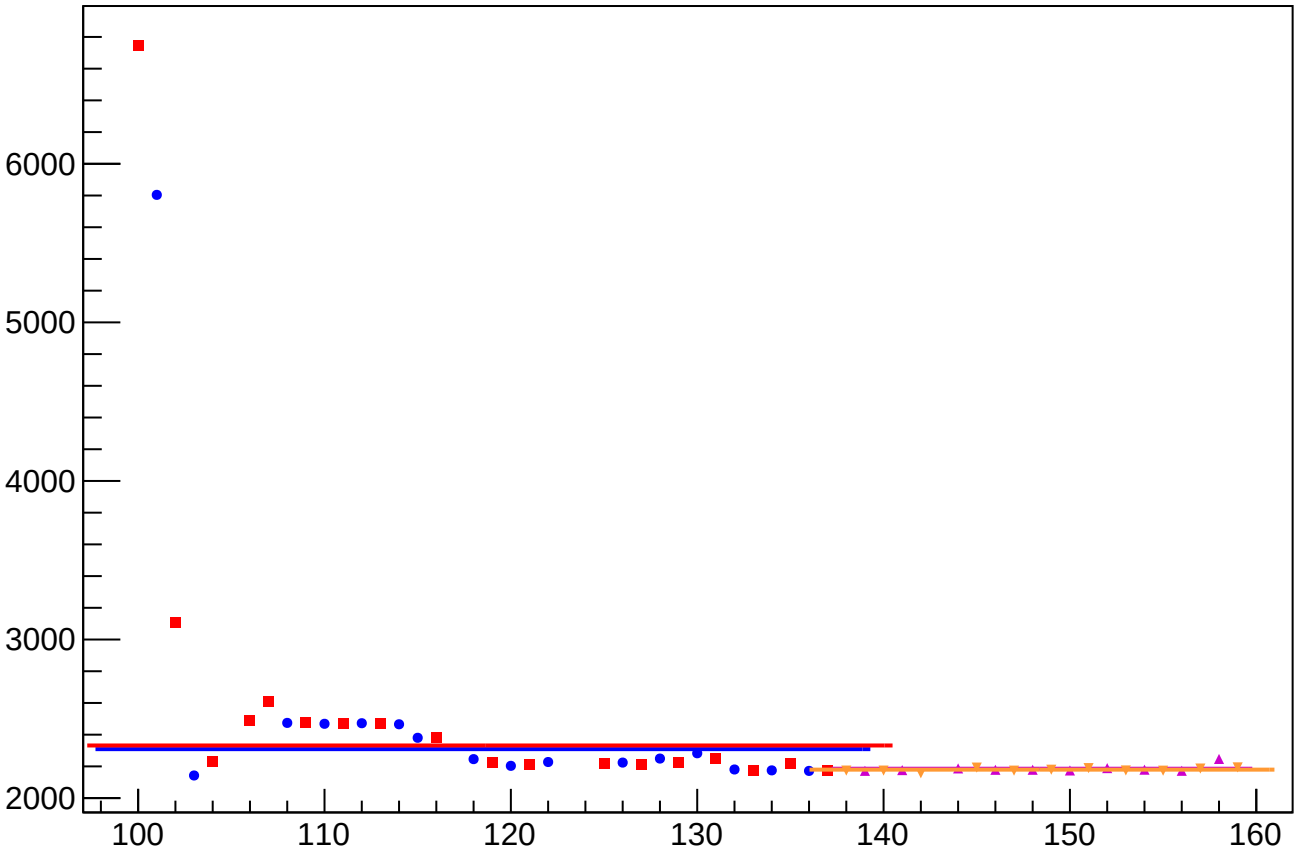
Left: -1027.347+/-522.345 χ^2/NDF: 25.6/20

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1086.681+/-564.558 χ^2/NDF:30.8/25

Out: -762.026+/-563.575 χ^2/NDF:22.8/28

All: -924.071+/-398.855 χ^2/NDF: 53.7/54



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.484+/-0.522 χ^2/NDF:341.6/10

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

Left: 2182.358+/-0.369 χ^2/NDF: 1984.1/20

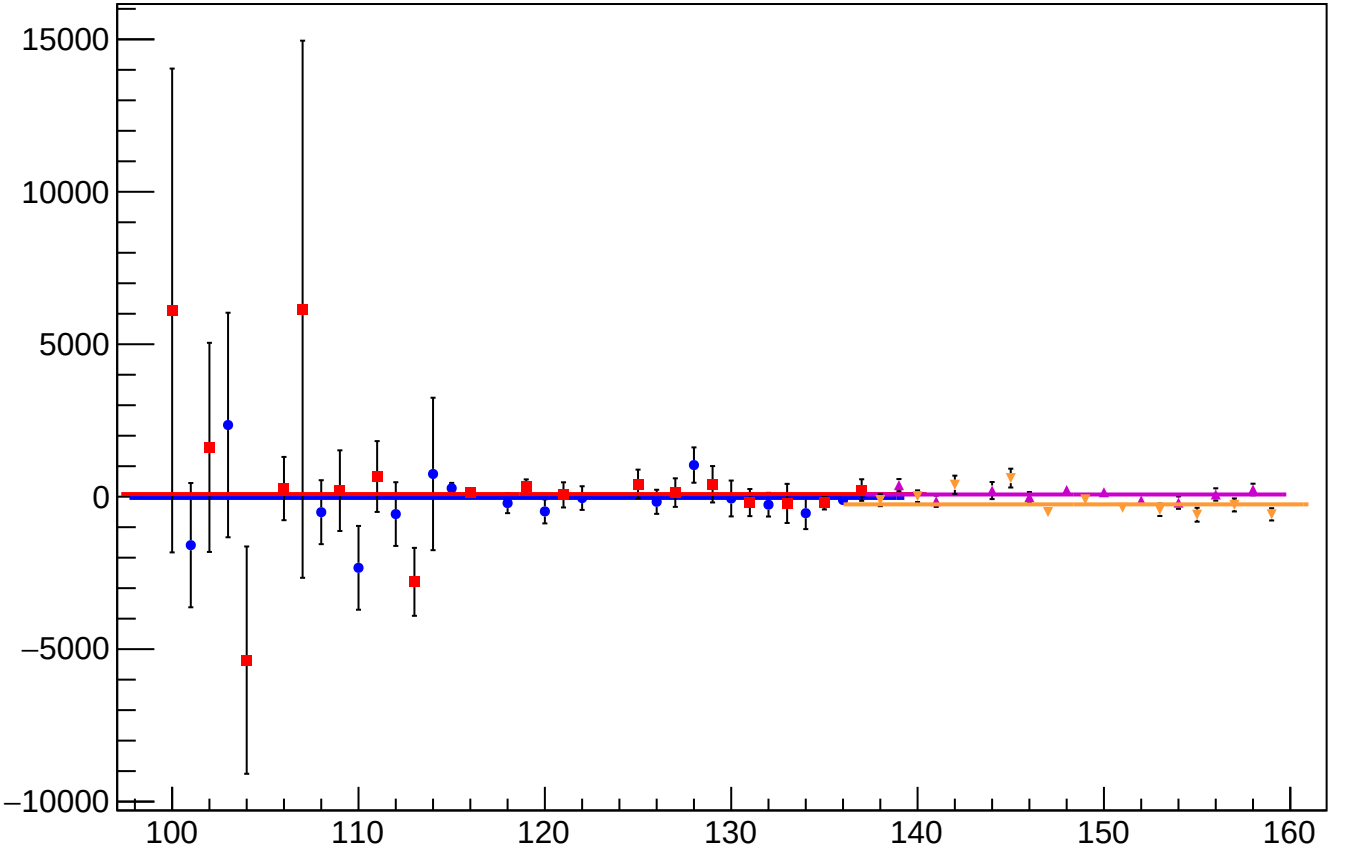
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2236.830+/-0.399 χ^2/NDF:538598.2/25

Out: 2242.897+/-0.399 χ^2/NDF:203182.5/28

All: 2239.869+/-0.282 χ^2/NDF: 741896.5/54

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: -251.430+/-58.959 χ^2/NDF:24.9/10

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 72.574+/-57.530 χ^2/NDF:9.3/9

Left: -85.453+/-41.176 χ^2/NDF: 49.7/20

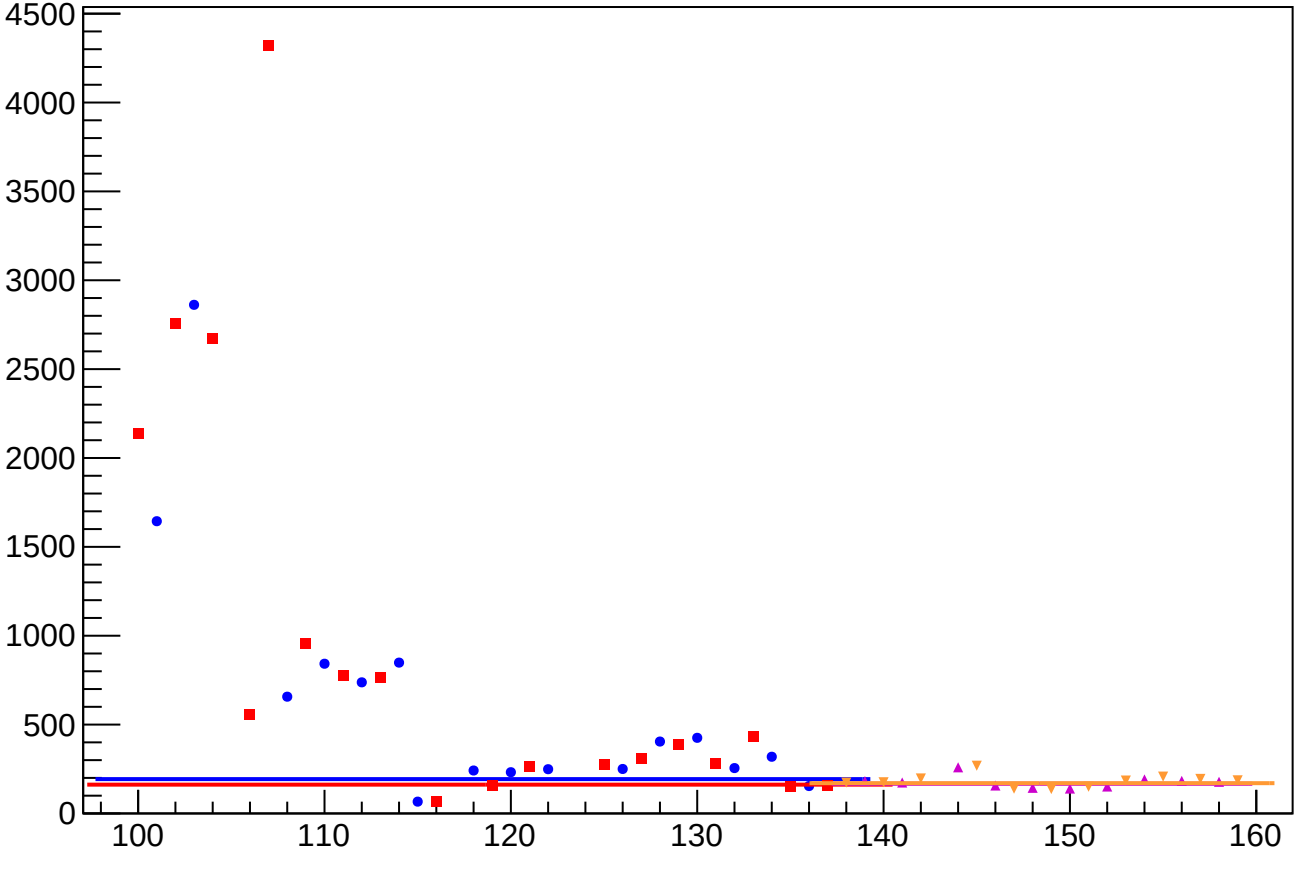
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 41.097+/-48.839 χ^2/NDF:24.4/25

Out: -143.570+/-48.644 χ^2/NDF:50.3/28

All: -51.605+/-34.465 χ^2/NDF: 81.9/54

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: 170.372+/-0.042 χ^2/NDF:528275.0/10

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 167.015+/-0.041 χ^2/NDF:413602.6/9

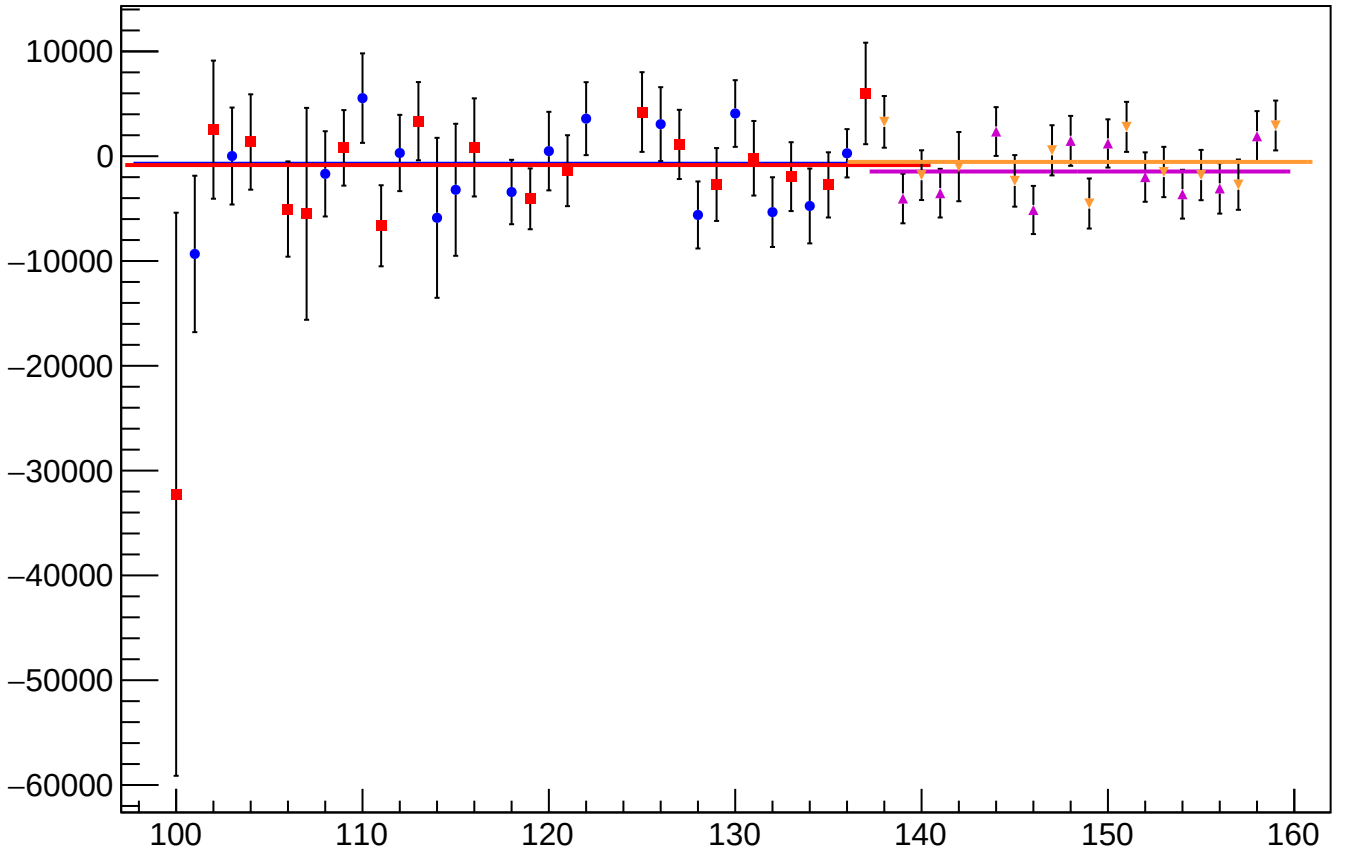
Left: 168.652+/-0.029 χ^2/NDF: 945199.4/20

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 174.344+/-0.035 χ^2/NDF:6147688.6/25

Out: 167.735+/-0.034 χ^2/NDF:7611357.4/28

All: 171.026+/-0.024 χ^2/NDF: 13777432.4/54



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -544.742+/-740.880 χ^2/NDF:11.6/10

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1460.423+/-742.359 χ^2/NDF:13.4/9

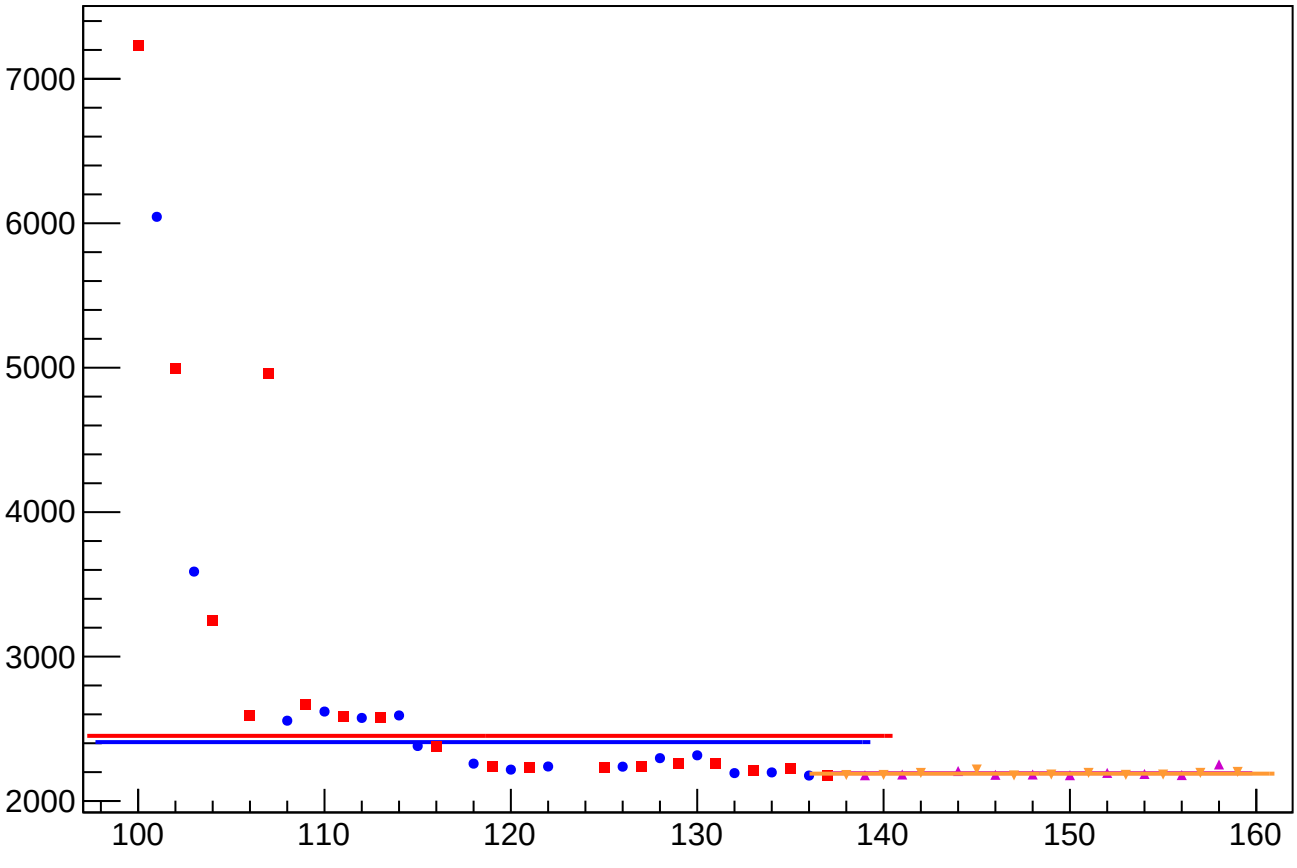
Left: -1001.669+/-524.404 χ^2/NDF: 25.7/20

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1166.813+/-576.795 χ^2/NDF:29.6/25

Out: -661.441+/-579.163 χ^2/NDF:24.6/28

All: -915.163+/-408.690 χ^2/NDF: 54.6/54



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.483+/-0.524 χ^2/NDF:507.7/10

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2192.717+/-0.525 χ^2/NDF:1679.2/9

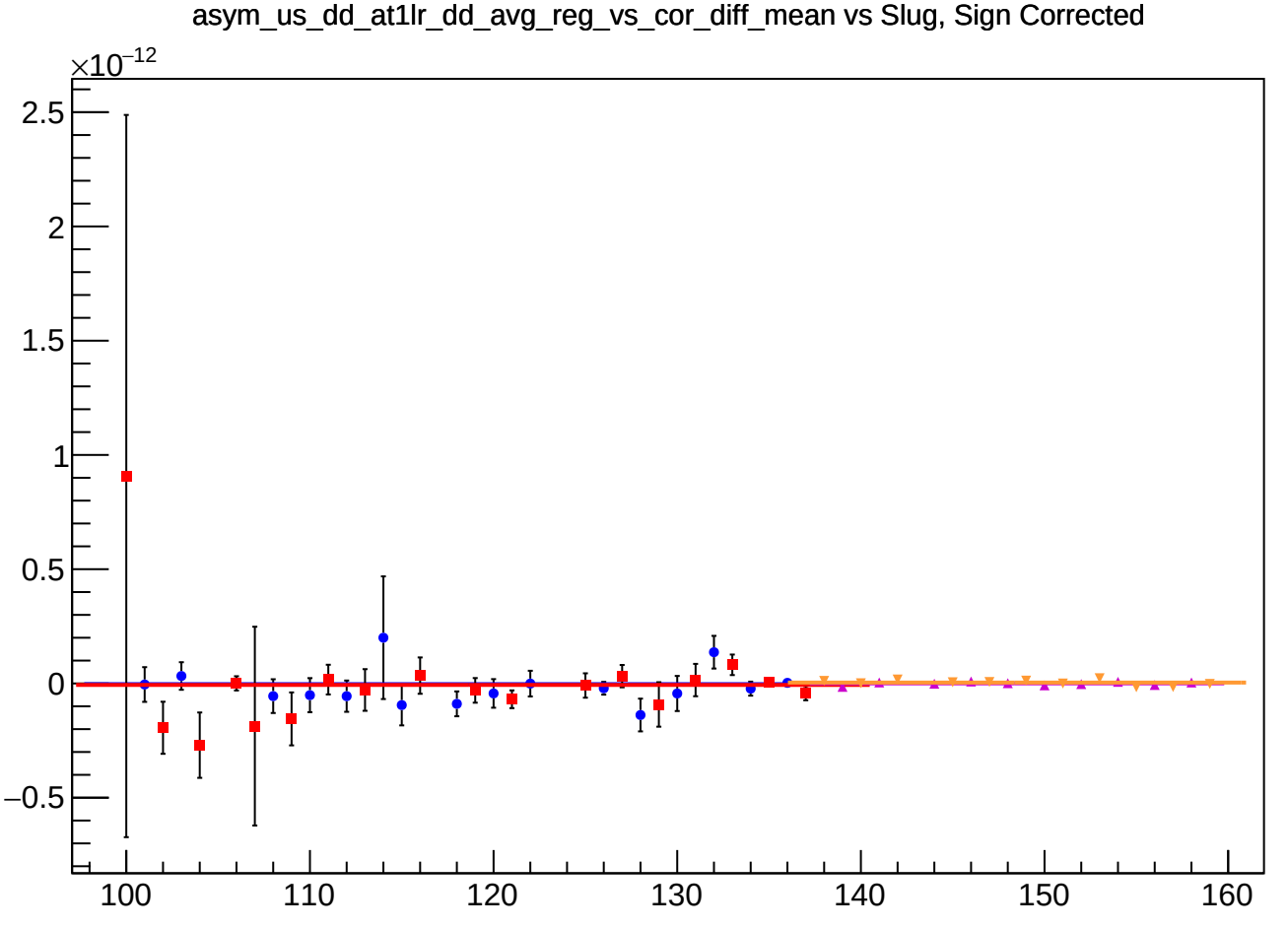
Left: 2191.097+/-0.371 χ^2/NDF: 2205.8/20

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2277.955+/-0.408 χ^2/NDF:745101.7/25

Out: 2291.263+/-0.410 χ^2/NDF:731161.2/28

All: 2284.582+/-0.289 χ^2/NDF: 1476793.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:8.7/9

Left: 0.000+/-0.000 χ^2/NDF: 20.9/20

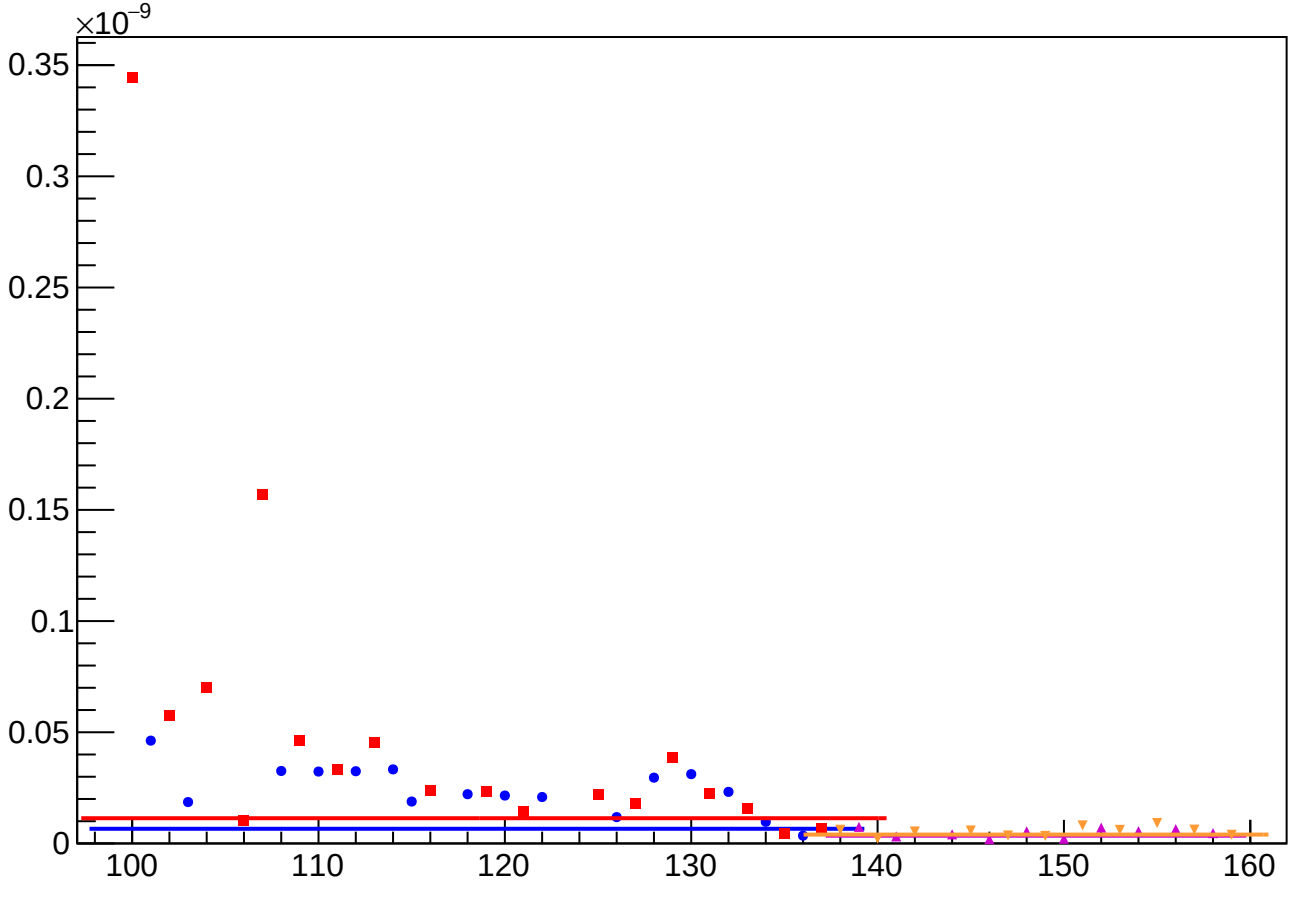
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:24.5/25

Out: 0.000+/-0.000 χ^2/NDF:31.2/28

All: 0.000+/-0.000 χ^2/NDF: 56.7/54

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1142224.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1014146.4/9

Left: 0.000+/-0.000 χ^2/NDF: 2199698.9/20

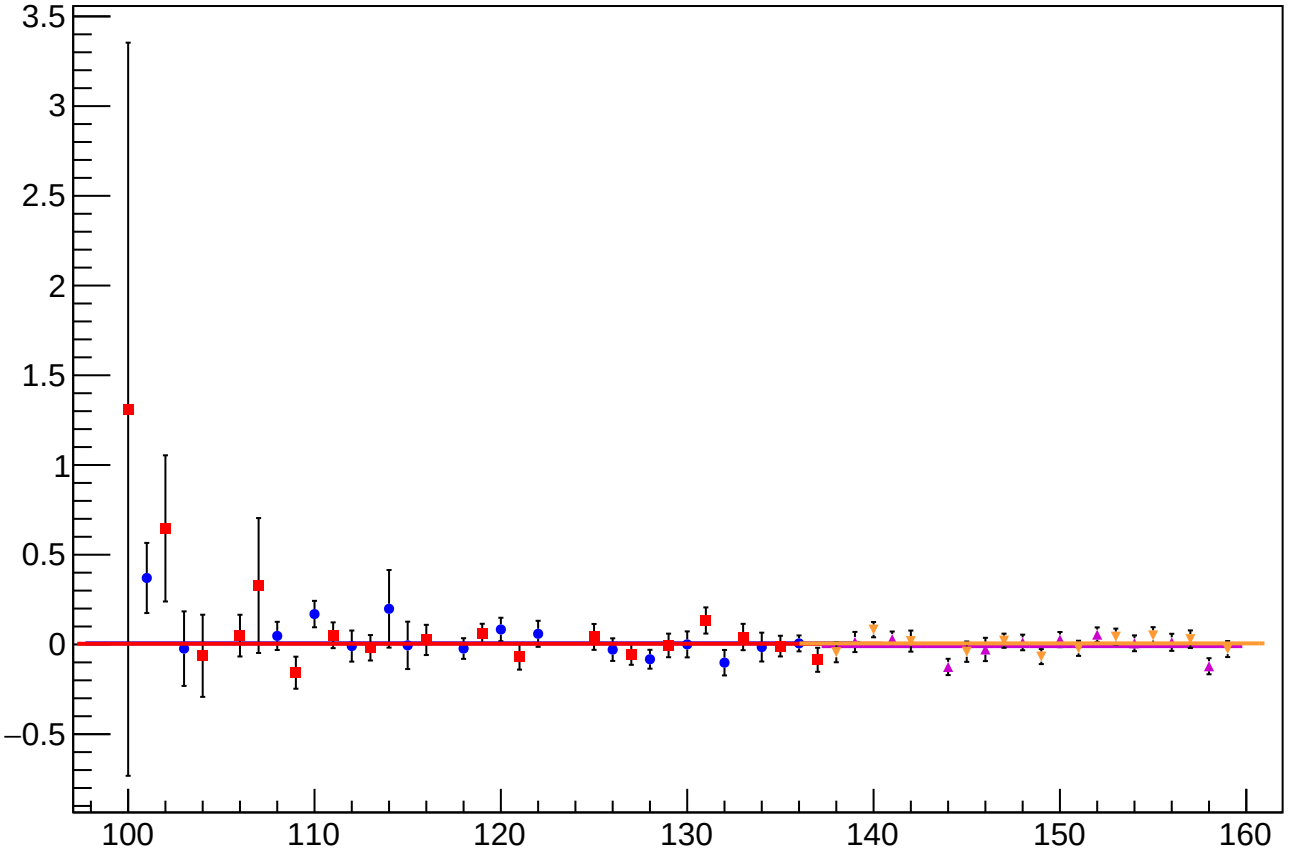
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4300596.0/25

Out: 0.000+/-0.000 χ^2/NDF:4908409.0/28

All: 0.000+/-0.000 χ^2/NDF: 9266418.9/54

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: 0.006+/-0.014 χ^2/NDF:10.7/10

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.001+/-0.010 χ^2/NDF: 29.0/20

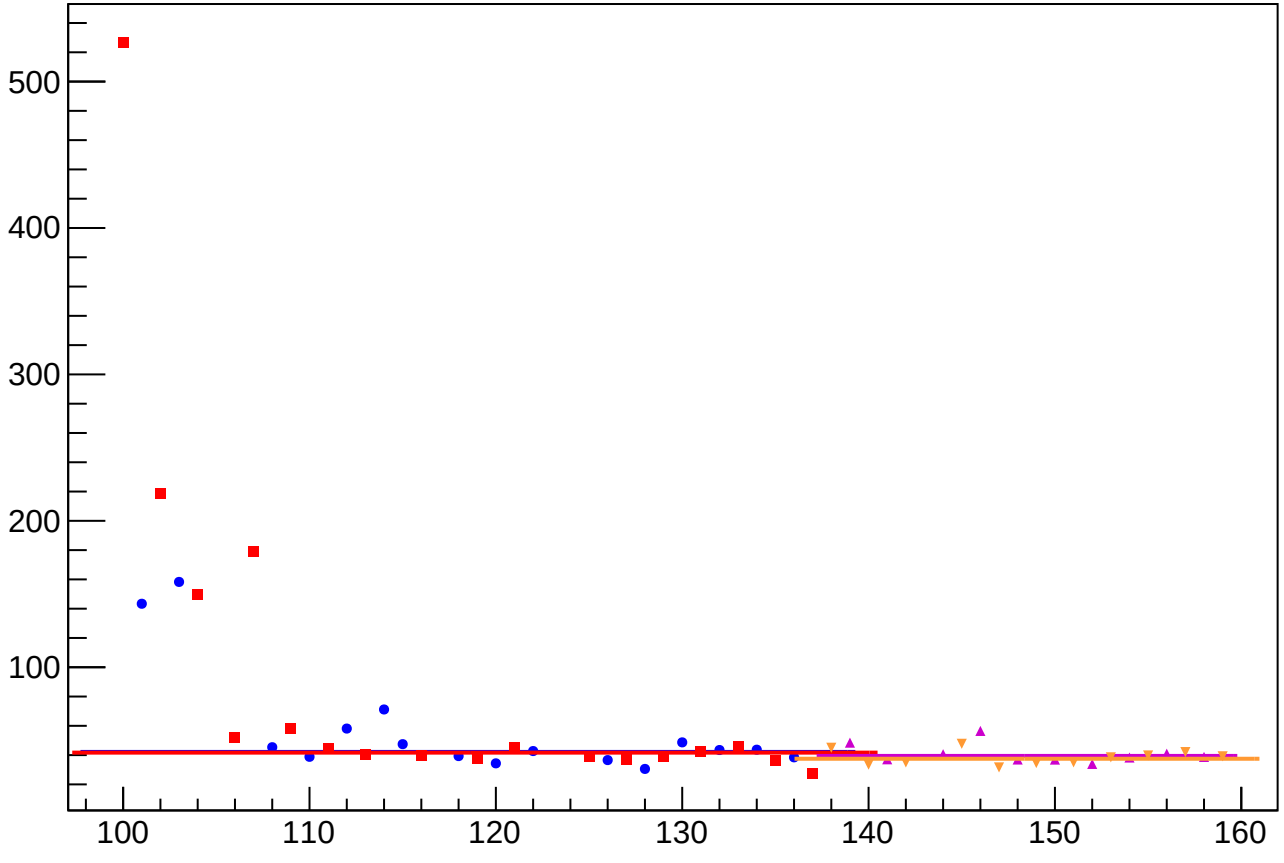
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: 0.001+/-0.008 χ^2/NDF: 62.6/54

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.506+/-0.010 χ^2/NDF:210187.2/10

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

Left: 38.434+/-0.007 χ^2/NDF: 479451.0/20

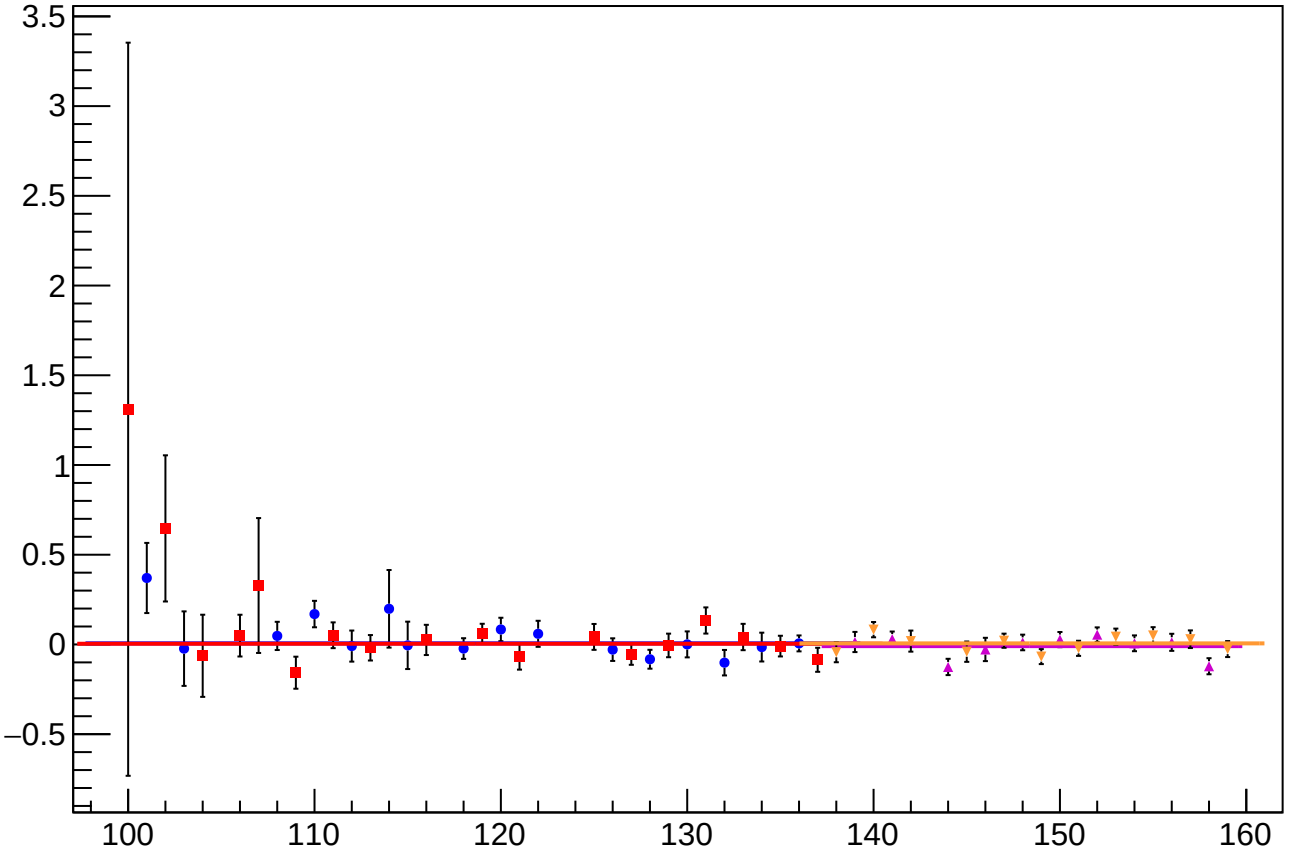
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.493+/-0.008 χ^2/NDF:1732695.3/25

Out: 39.017+/-0.008 χ^2/NDF:1716210.0/28

All: 39.742+/-0.006 χ^2/NDF: 3466071.4/54

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: 0.006+/-0.014 χ^2/NDF:10.7/10

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.001+/-0.010 χ^2/NDF: 29.0/20

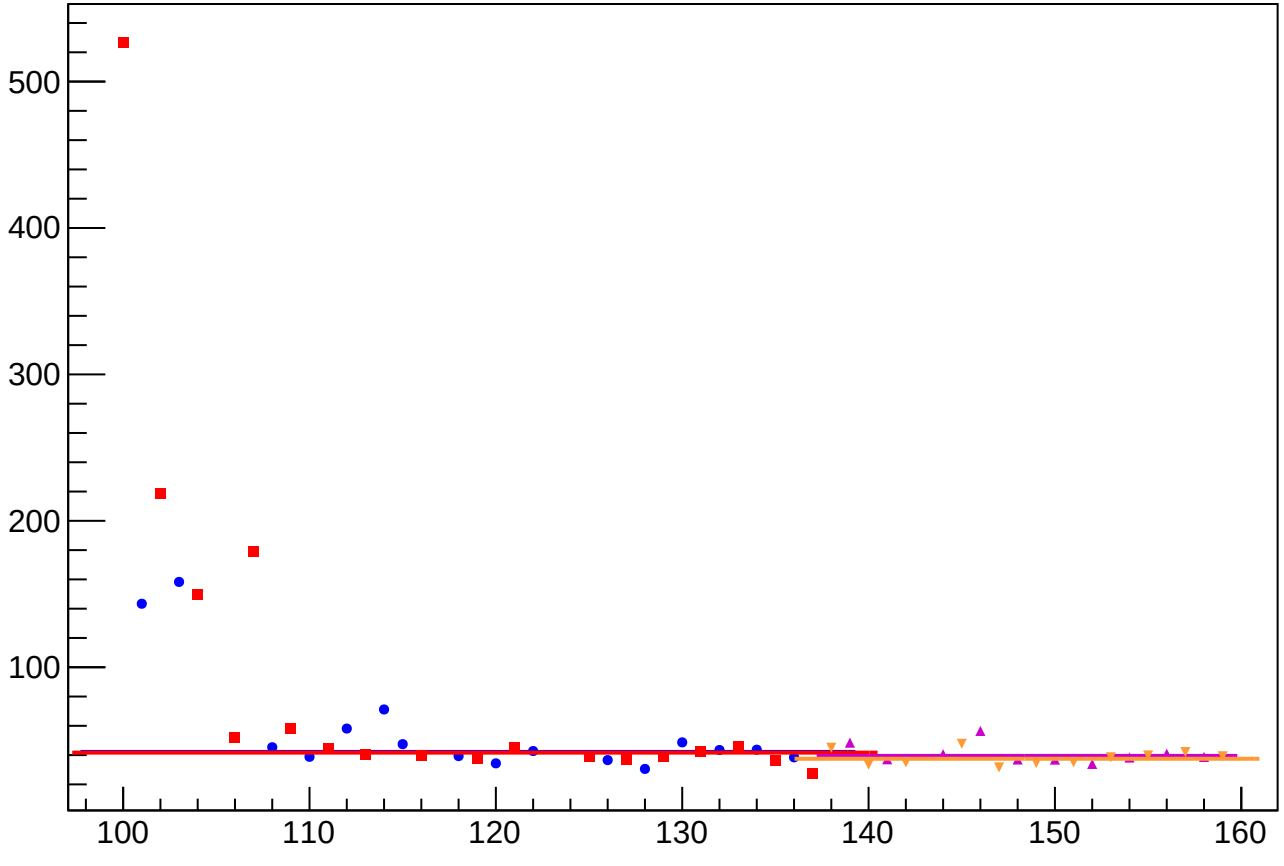
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: 0.001+/-0.008 χ^2/NDF: 62.6/54

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: 37.506+/-0.010 χ^2/NDF:210187.2/10

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

Left: 38.434+/-0.007 χ^2/NDF: 479451.0/20

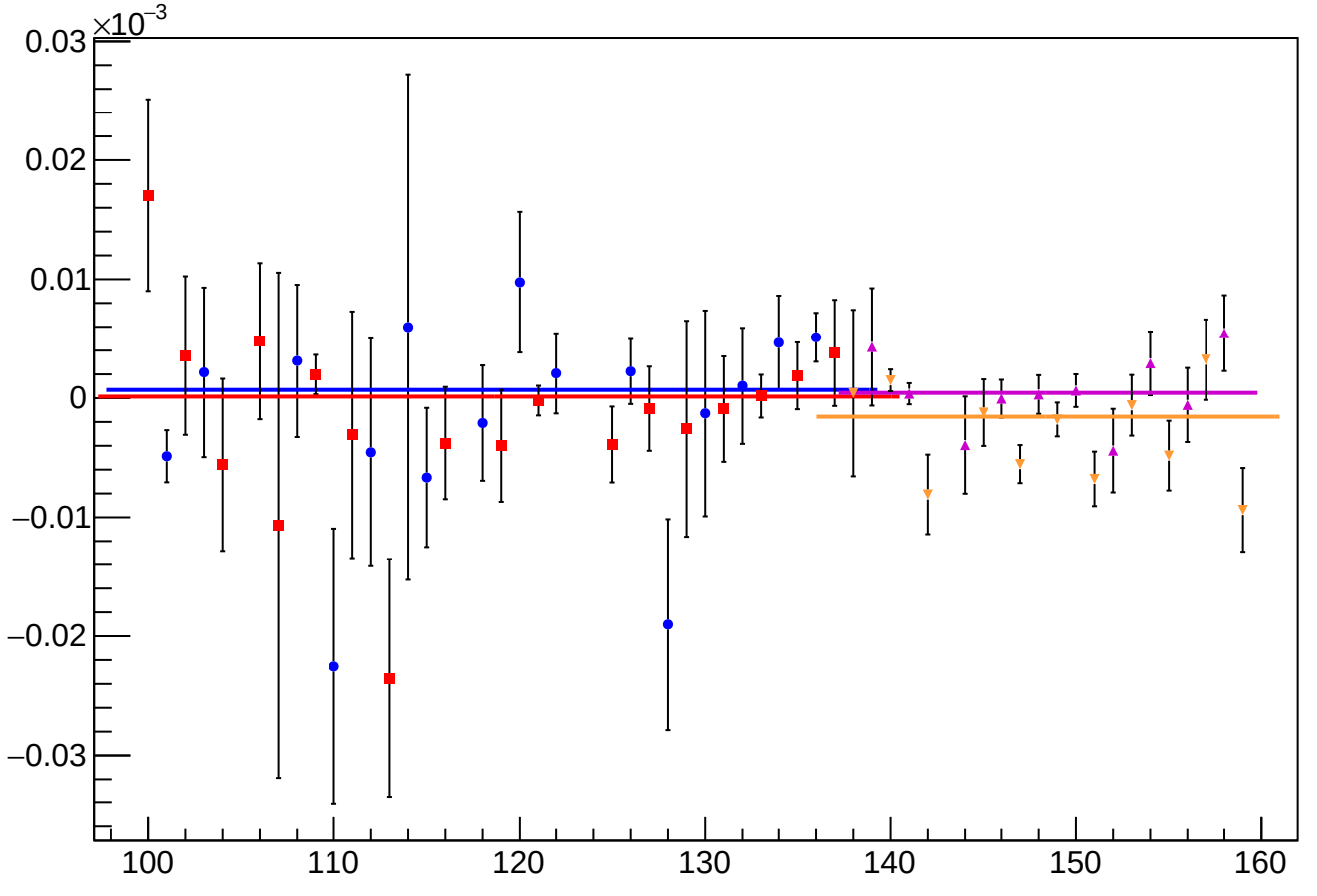
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.493+/-0.008 χ^2/NDF:1732695.3/25

Out: 39.017+/-0.008 χ^2/NDF:1716210.0/28

All: 39.742+/-0.006 χ^2/NDF: 3466071.4/54

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:34.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/9

Left: -0.000+/-0.000 χ^2/NDF: 48.1/20

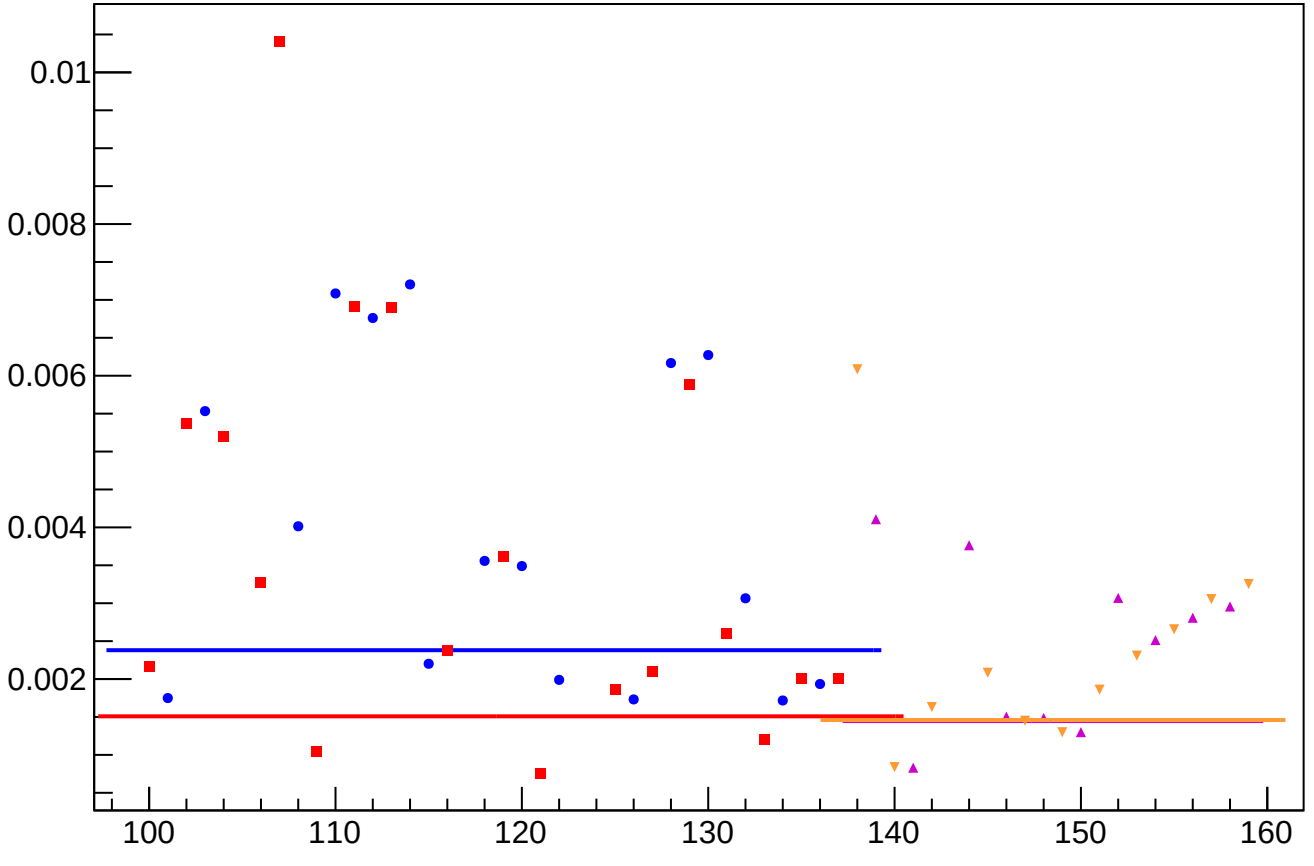
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:33.8/25

Out: -0.000+/-0.000 χ^2/NDF:55.5/28

All: -0.000+/-0.000 χ^2/NDF: 93.6/54

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:3504824.9/10

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:3794714.4/9

Left: 0.001+/-0.000 χ^2/NDF: 7300081.9/20

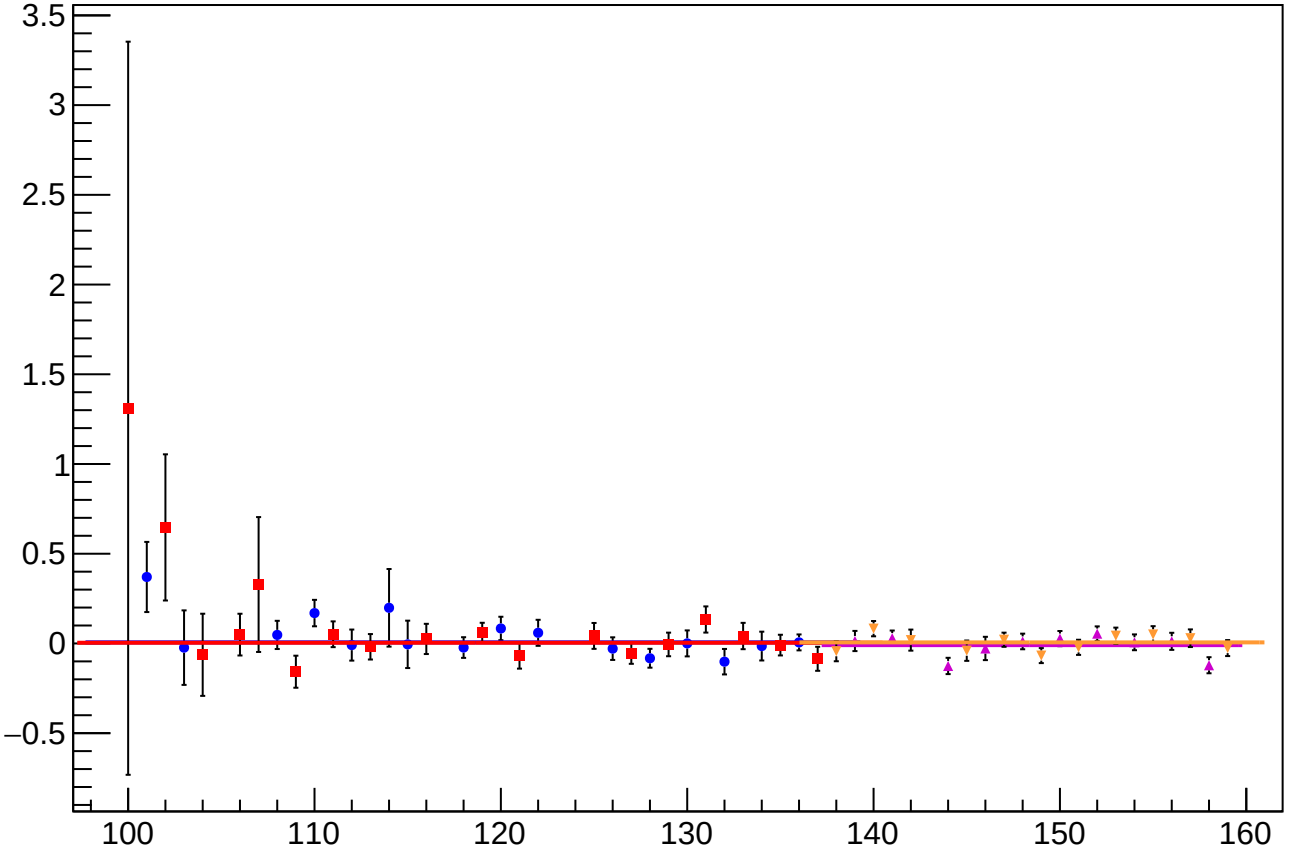
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:7912485.5/25

Out: 0.001+/-0.000 χ^2/NDF:8512051.3/28

All: 0.002+/-0.000 χ^2/NDF: 16583446.6/54

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: 0.006+/-0.014 χ^2/NDF:10.7/10

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.001+/-0.010 χ^2/NDF: 29.0/20

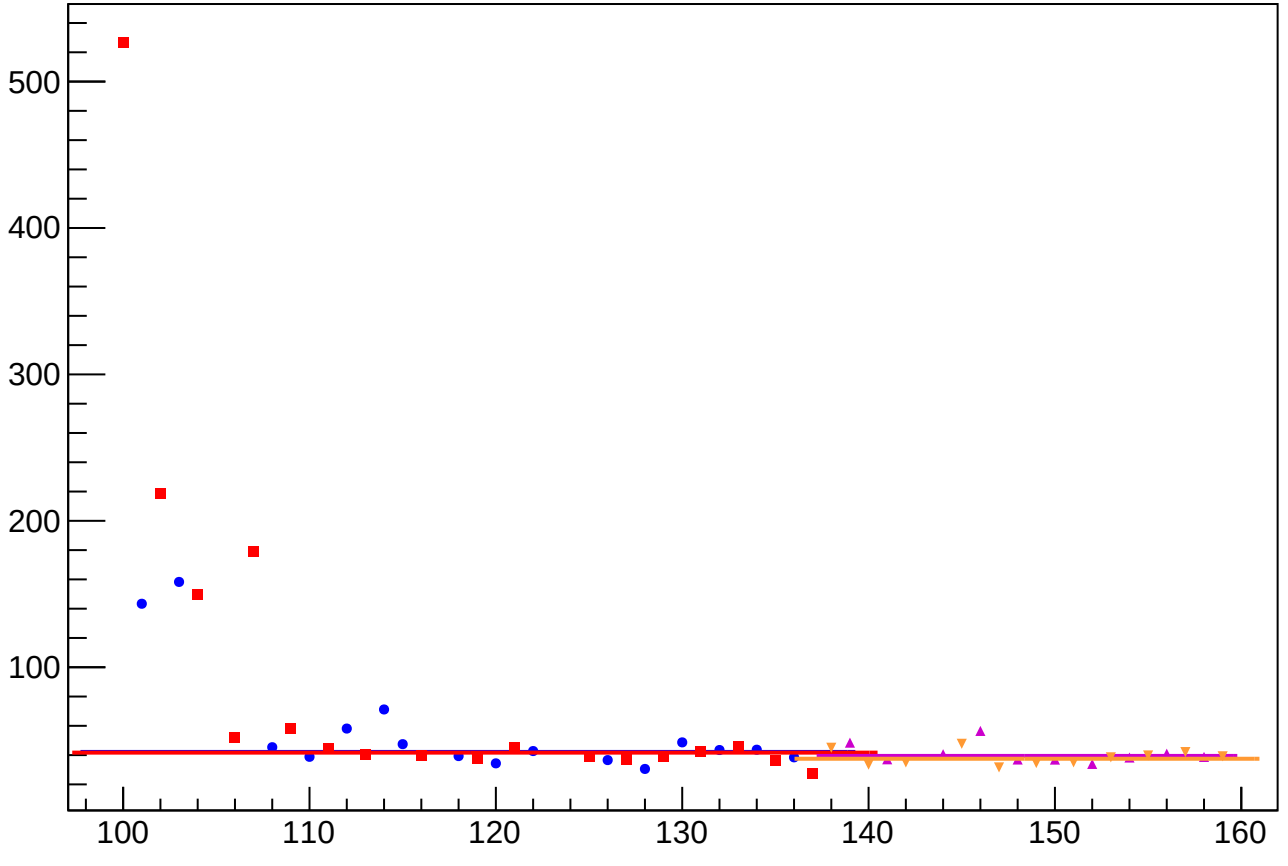
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: 0.001+/-0.008 χ^2/NDF: 62.6/54

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: 37.506+/-0.010 χ^2/NDF:210156.5/10

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.435+/-0.010 χ^2/NDF:250954.0/9

Left: 38.434+/-0.007 χ^2/NDF: 479447.2/20

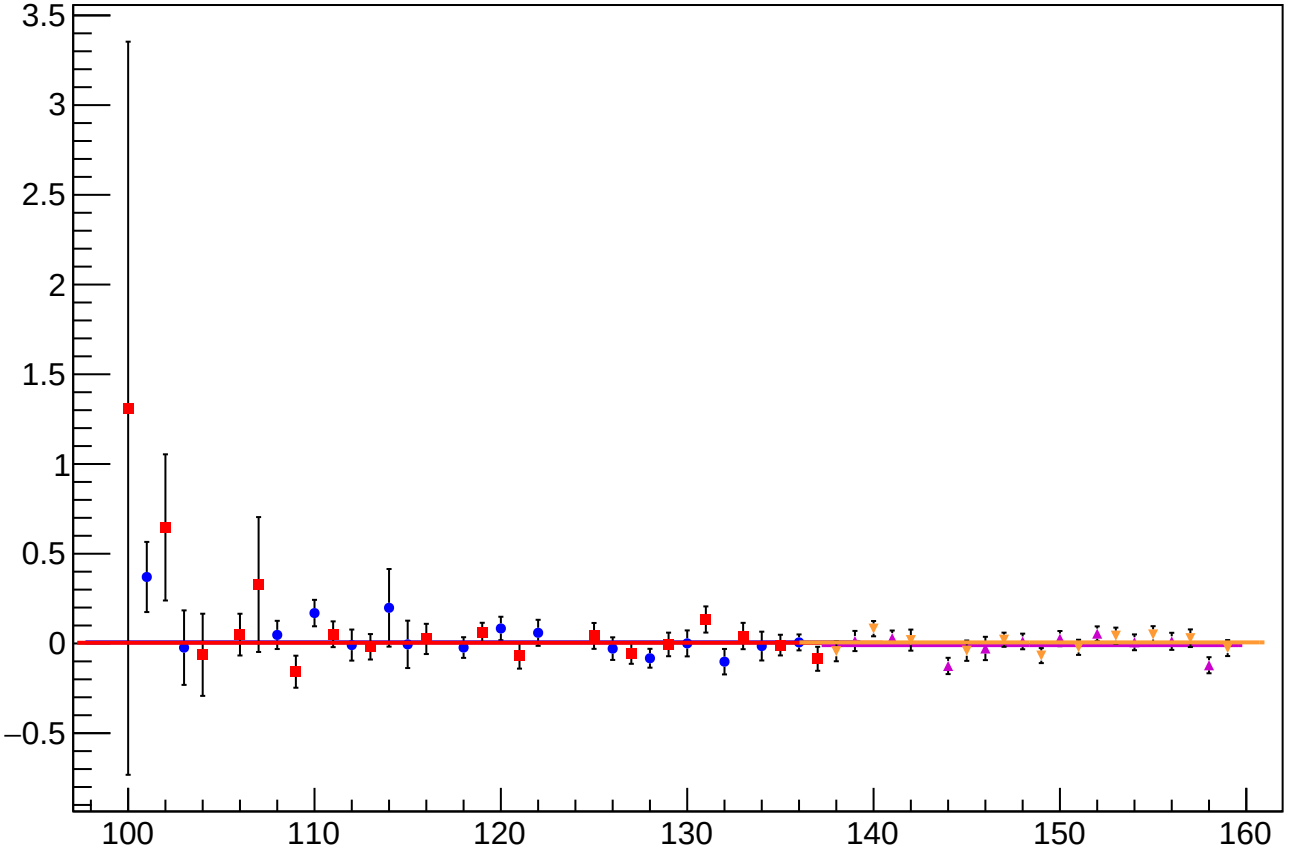
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.492+/-0.008 χ^2/NDF:1732893.8/25

Out: 39.017+/-0.008 χ^2/NDF:1716168.2/28

All: 39.742+/-0.006 χ^2/NDF: 3466200.3/54

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: 0.006+/-0.014 χ^2/NDF:10.7/10

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.001+/-0.010 χ^2/NDF: 29.0/20

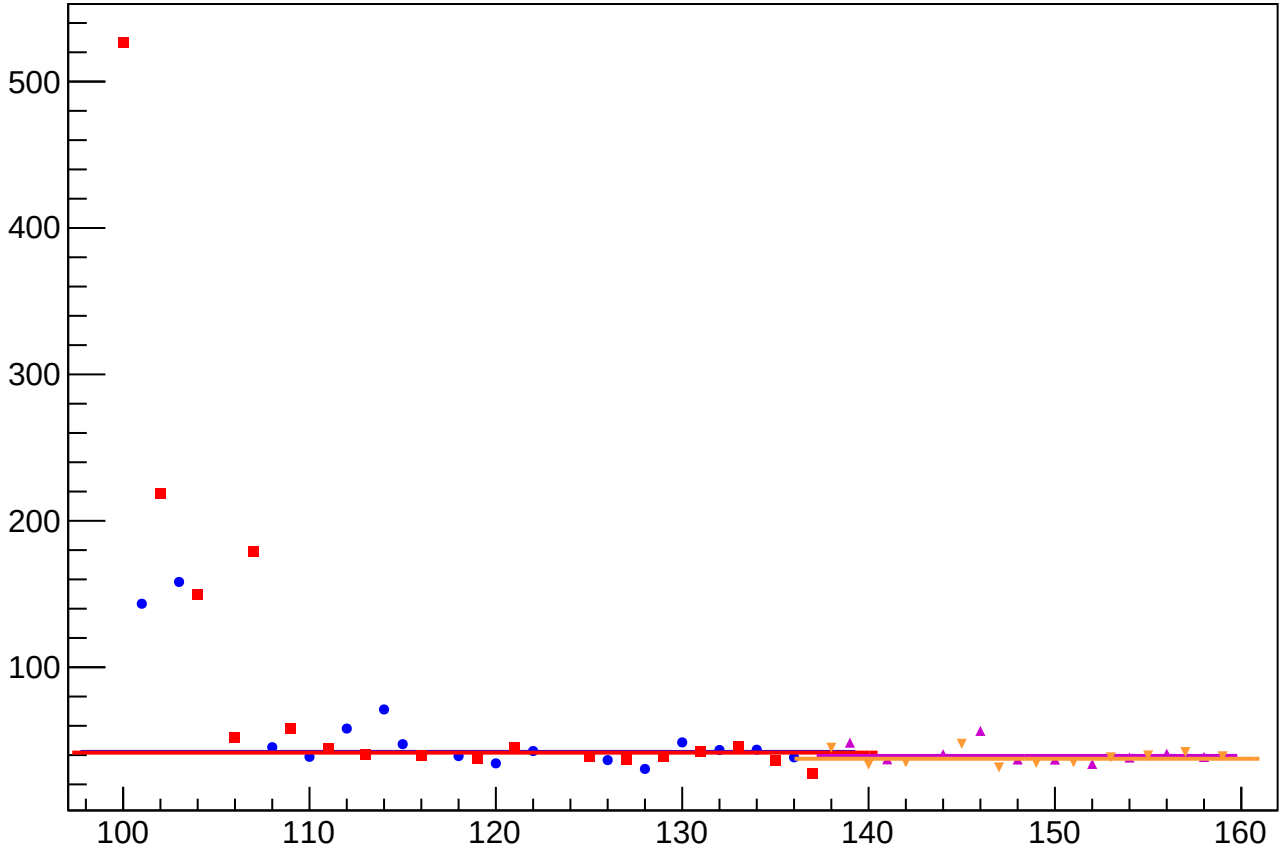
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: 0.001+/-0.008 χ^2/NDF: 62.6/54

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: 37.506+/-0.010 χ^2/NDF:210156.5/10

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.435+/-0.010 χ^2/NDF:250954.0/9

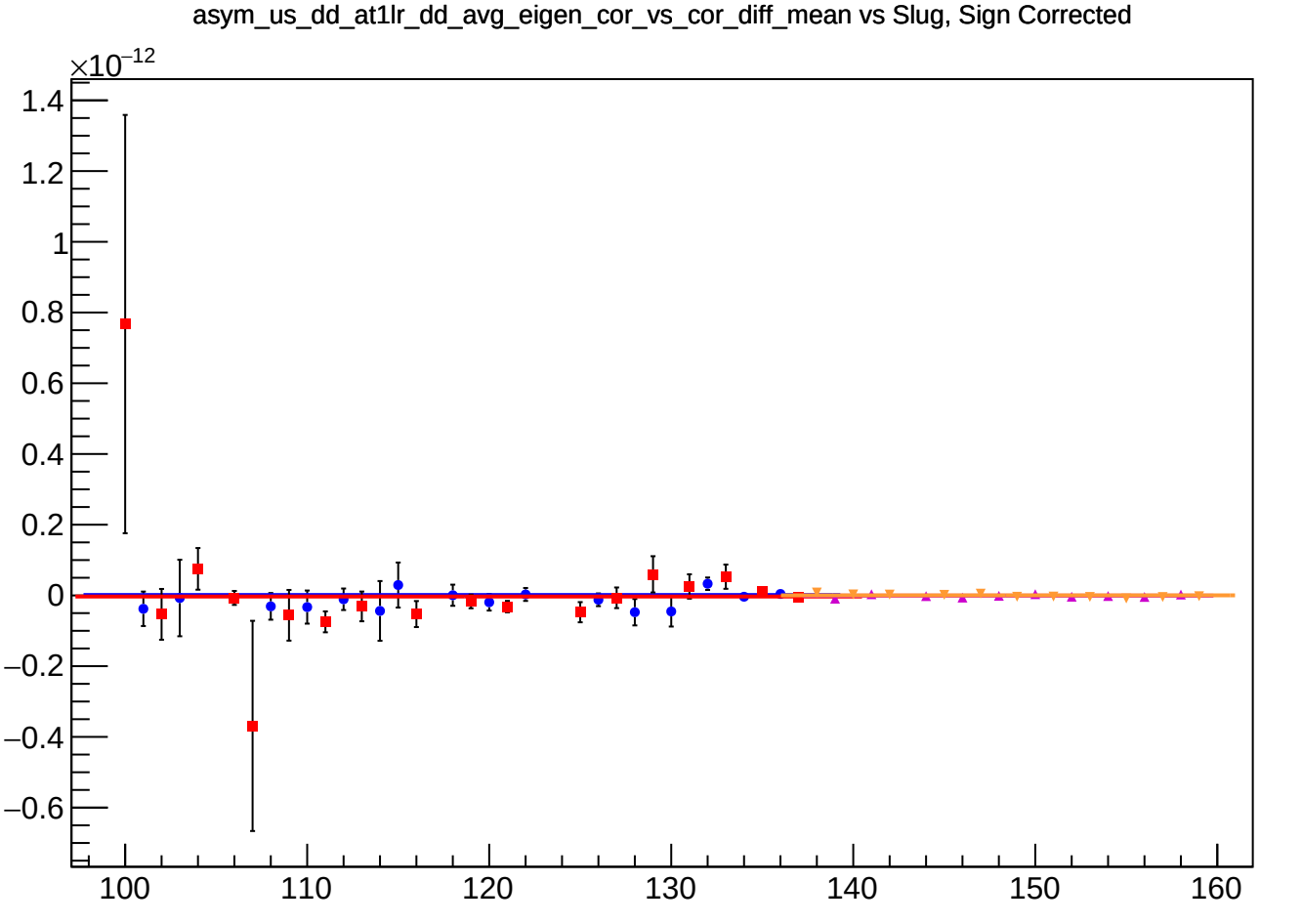
Left: 38.434+/-0.007 χ^2/NDF: 479447.2/20

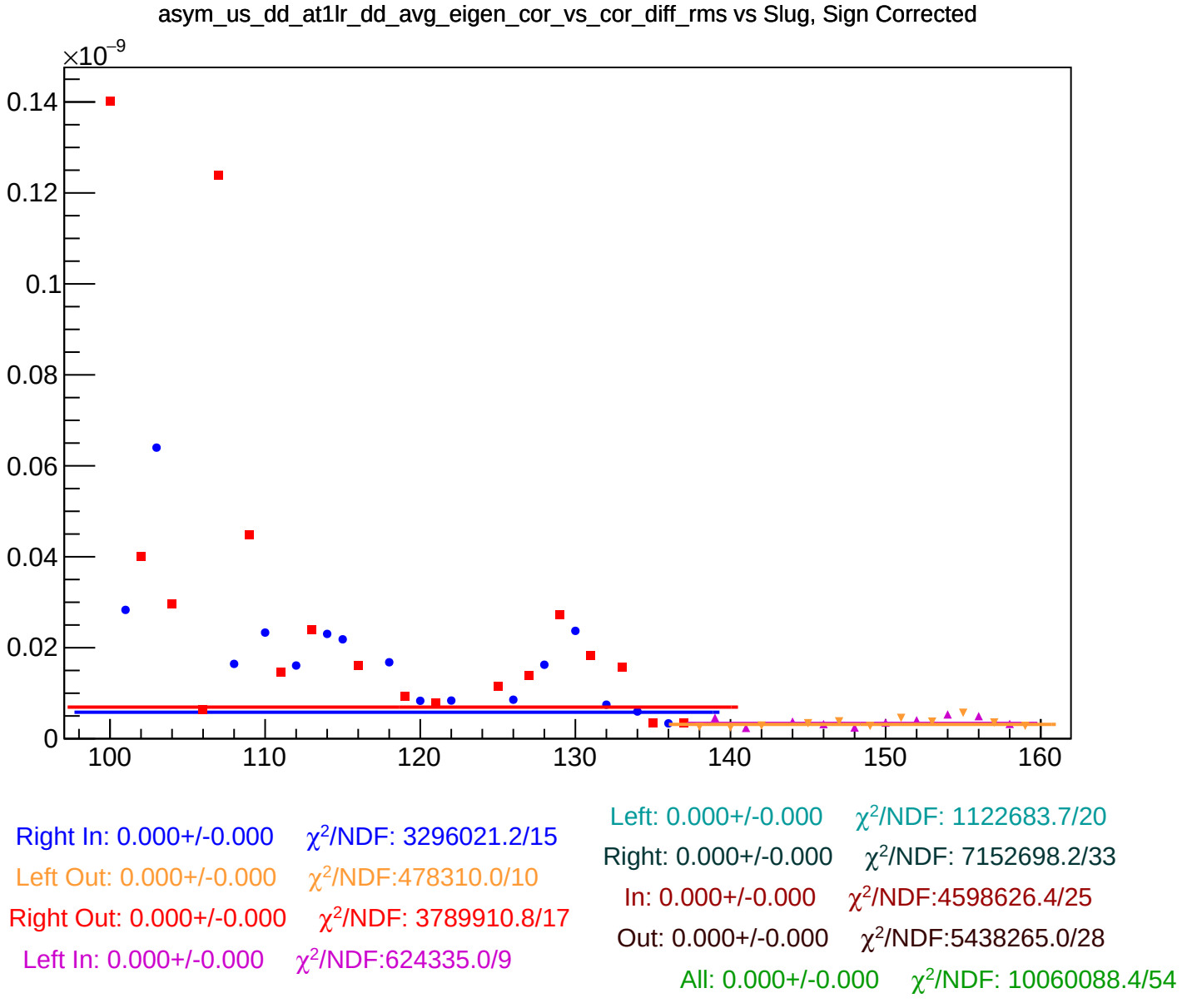
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

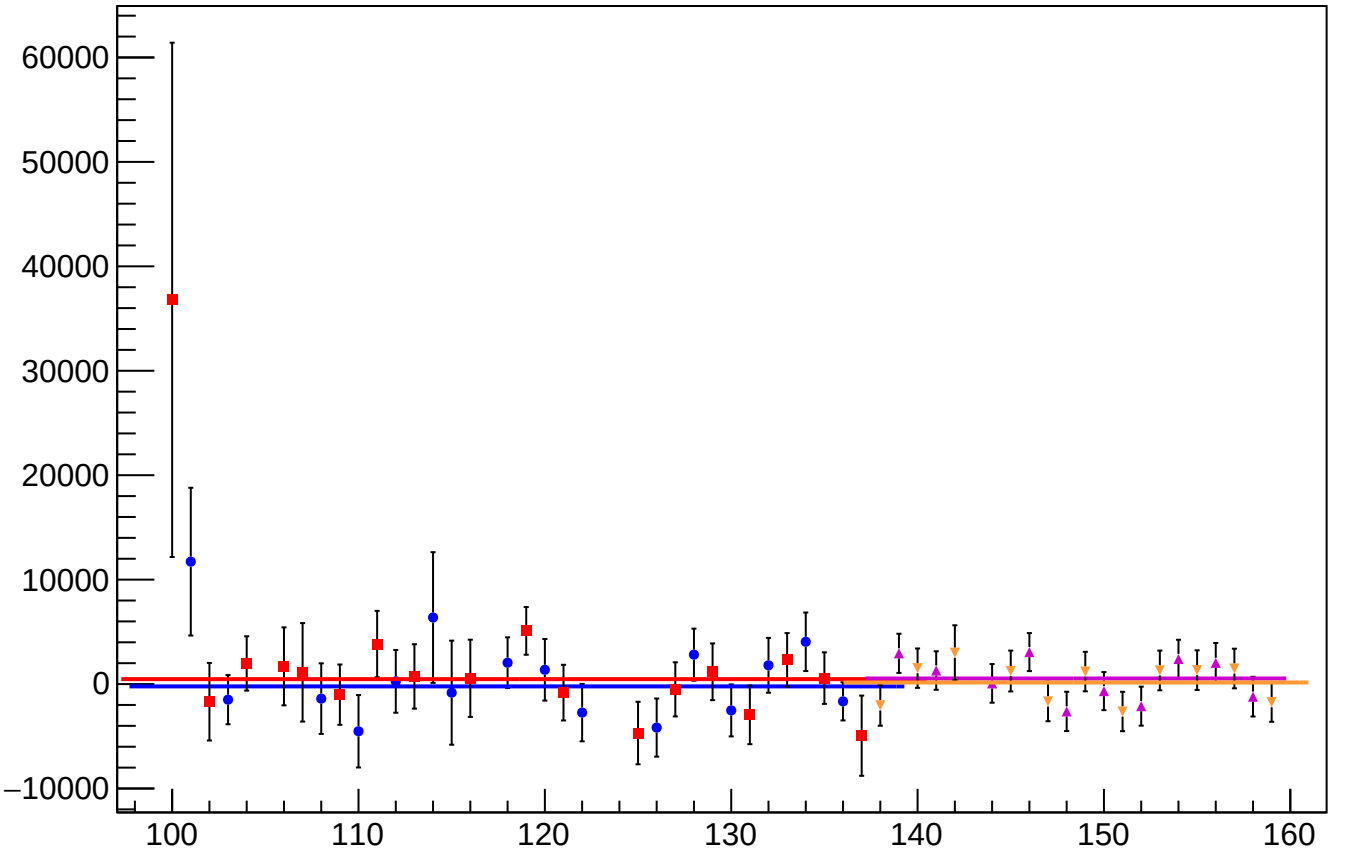
In: 40.492+/-0.008 χ^2/NDF:1732893.8/25

Out: 39.017+/-0.008 χ^2/NDF:1716168.2/28

All: 39.742+/-0.006 χ^2/NDF: 3466200.3/54


asym_us_dd_at1lr_dd_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
−0.6
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:8.6/10
Right Out: -0.000+/-0.000 χ²/NDF: 28.8/17
Left In: -0.000+/-0.000 χ²/NDF:6.1/9
Left: -0.000+/-0.000 χ²/NDF: 14.9/20
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:16.8/25
Out: -0.000+/-0.000 χ²/NDF:37.9/28
All: -0.000+/-0.000 χ²/NDF: 54.7/54


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
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:478310.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:624335.0/9
Left: 0.000+/-0.000 χ²/NDF: 1122683.7/20
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4598626.4/25
Out: 0.000+/-0.000 χ²/NDF:5438265.0/28
All: 0.000+/-0.000 χ²/NDF: 10060088.4/54



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 152.465+/-586.729 χ^2/NDF:8.9/10

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 534.608+/-588.172 χ^2/NDF:11.6/9

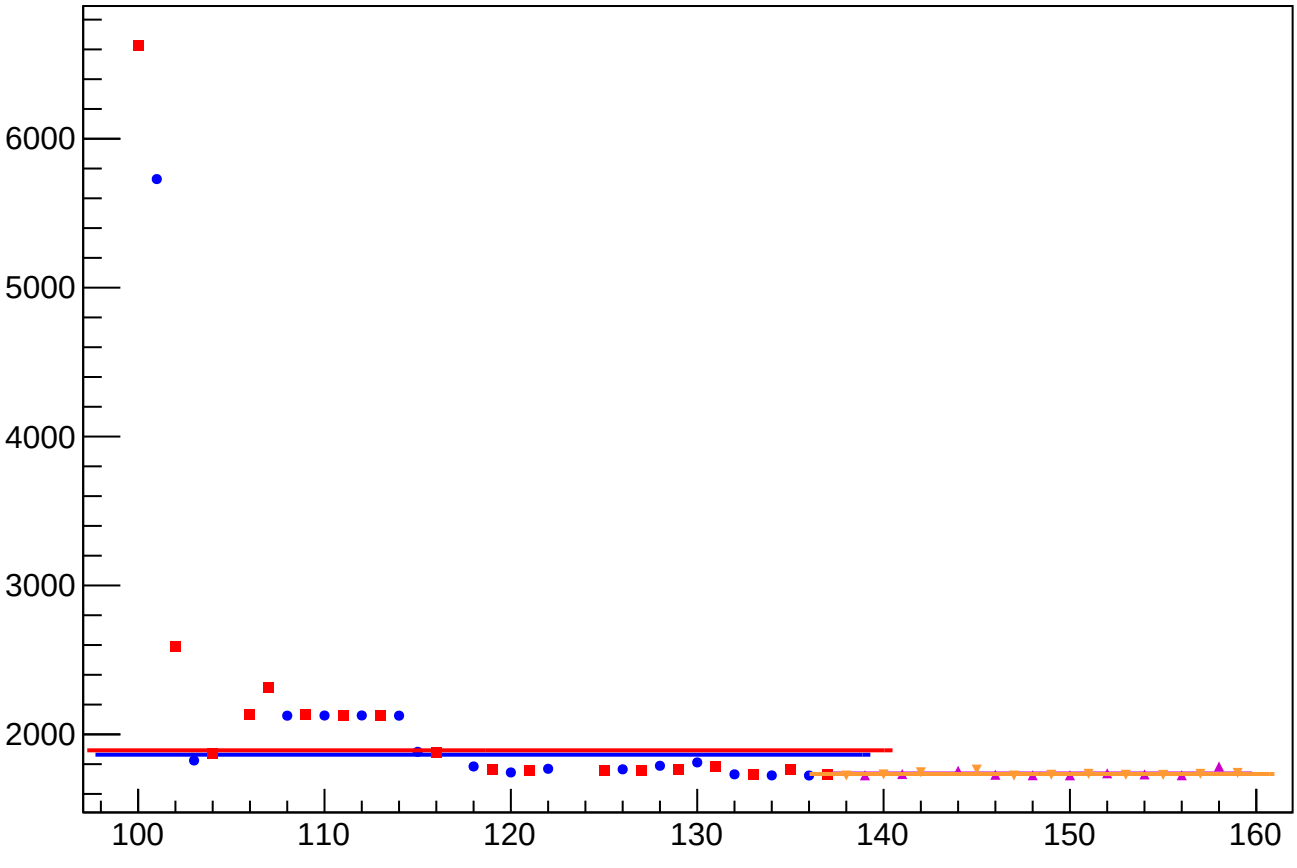
Left: 343.067+/-415.390 χ^2/NDF: 20.7/20

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 225.852+/-452.720 χ^2/NDF:28.1/25

Out: 281.975+/-452.662 χ^2/NDF:24.9/28

All: 253.917+/-320.101 χ^2/NDF: 53.0/54


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
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110
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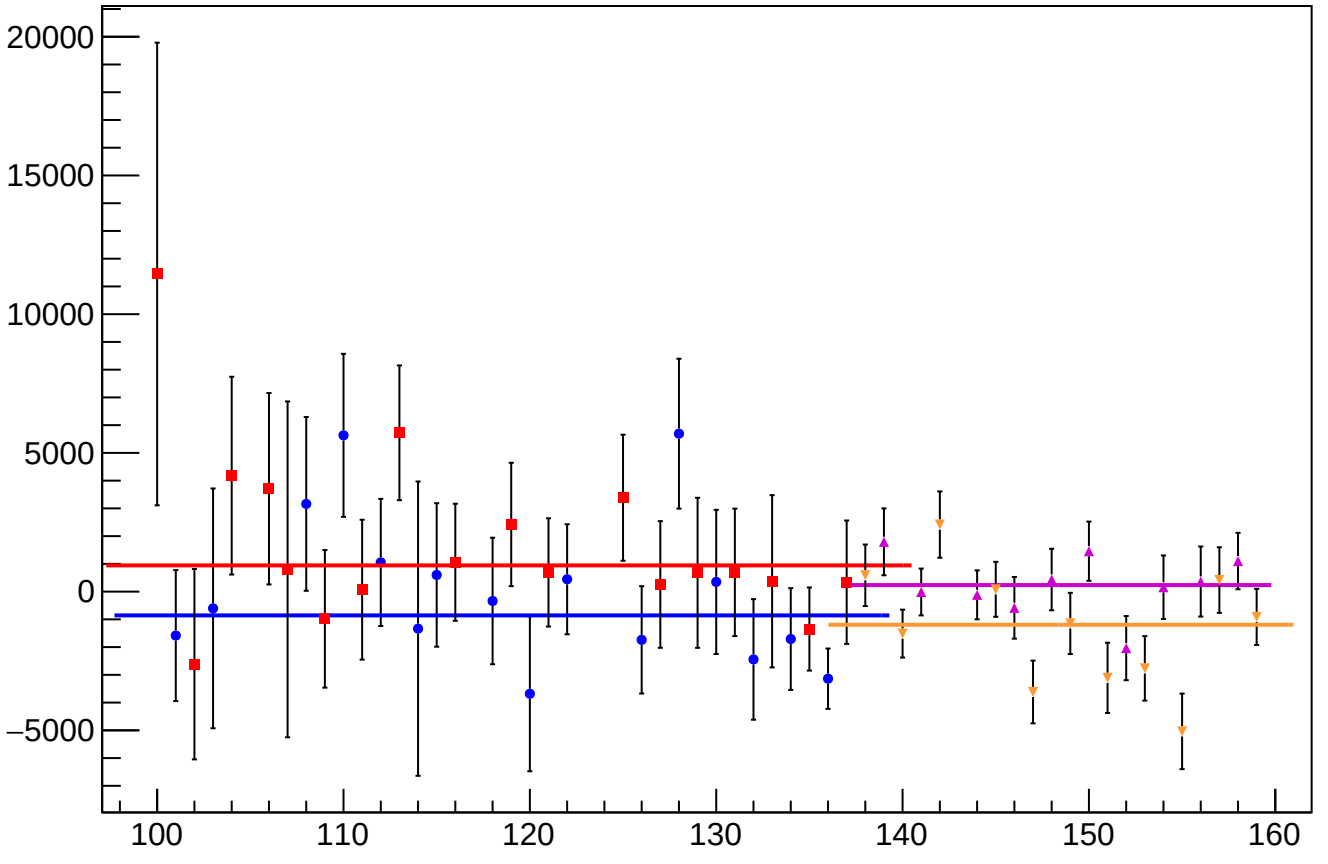
140
150
160
Right In: 1863.581+/-0.501 χ²/NDF: 674665.6/15
Left Out: 1733.911+/-0.415 χ²/NDF:697.6/10
Right Out: 1892.866+/-0.503 χ²/NDF: 251512.9/17
Left In: 1737.286+/-0.416 χ²/NDF:1829.9/9
Left: 1735.594+/-0.294 χ²/NDF: 2560.5/20
Right: 1878.175+/-0.355 χ²/NDF: 927878.2/33
In: 1788.757+/-0.320 χ²/NDF:714077.1/25
Out: 1798.254+/-0.320 χ²/NDF:311630.3/28
All: 1793.506+/-0.226 χ²/NDF: 1026147.5/54



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1195.122+/-331.985 χ^2/NDF:32.1/10

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 235.968+/-333.617 χ^2/NDF:8.4/9

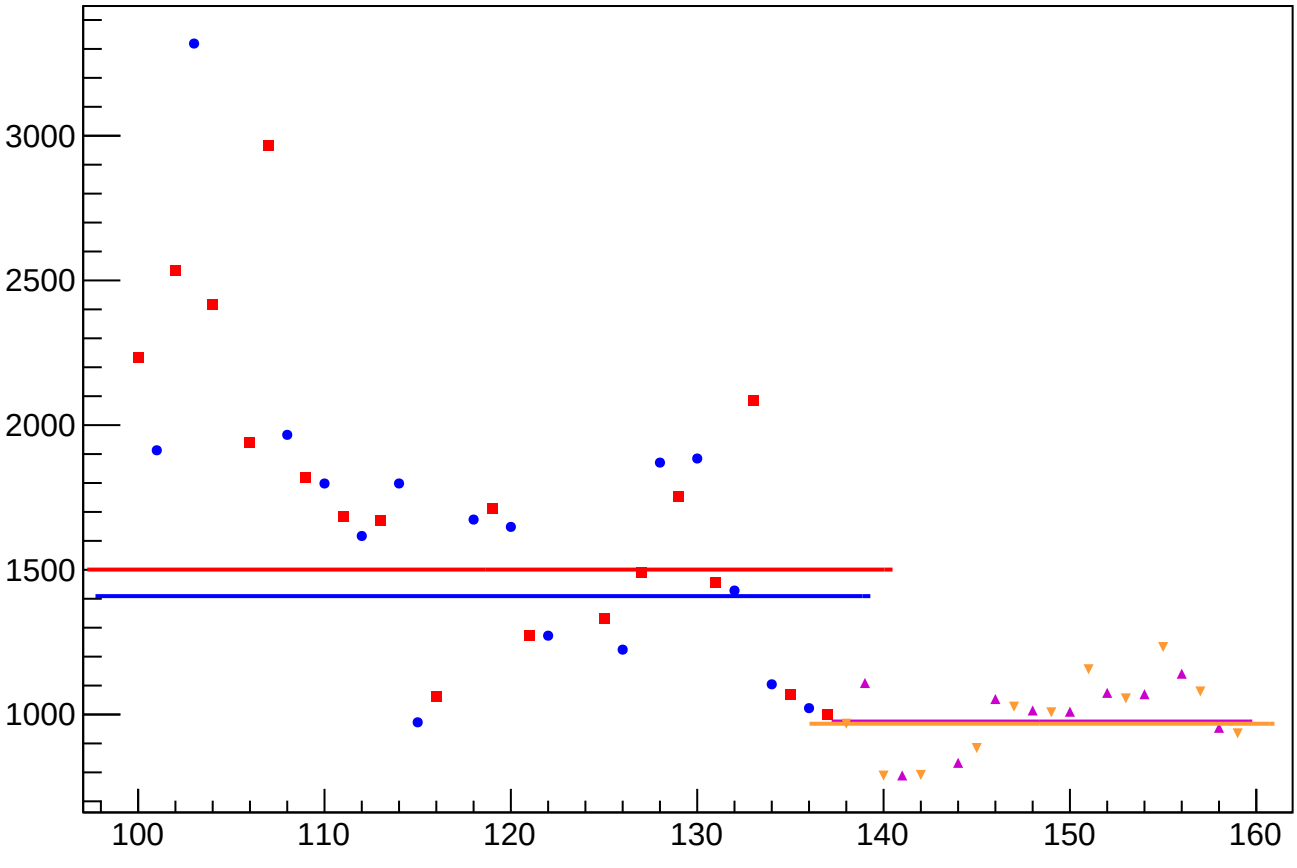
Left: -483.086+/-235.324 χ^2/NDF: 49.8/20

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -58.250+/-285.214 χ^2/NDF:31.9/25

Out: -672.464+/-288.607 χ^2/NDF:55.2/28

All: -361.725+/-202.866 χ^2/NDF: 89.3/54



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 968.138+/-0.235 χ^2/NDF:303400.0/10

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 975.670+/-0.236 χ^2/NDF:251853.2/9

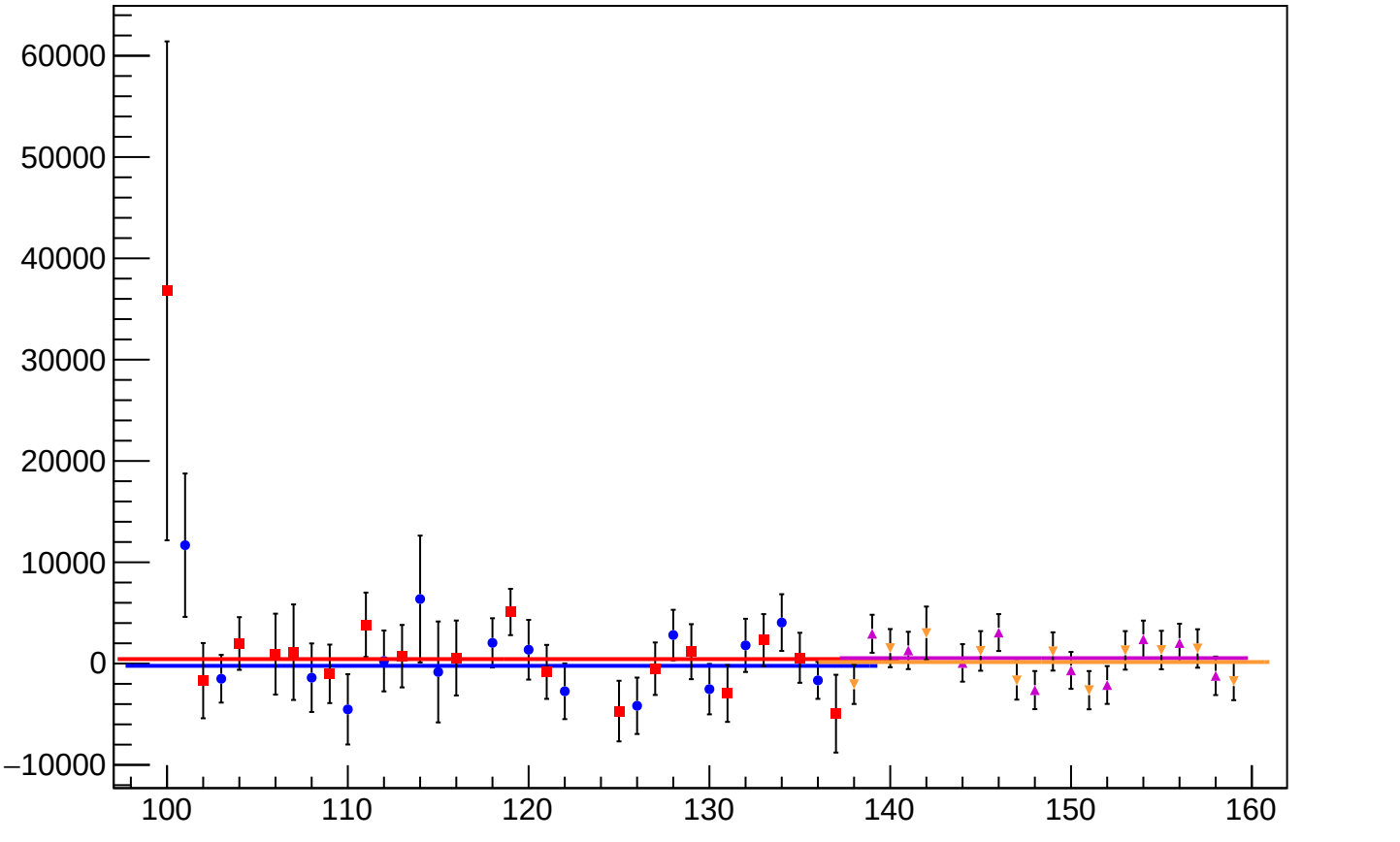
Left: 971.886+/-0.166 χ^2/NDF: 555765.4/20

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1092.314+/-0.202 χ^2/NDF:2328026.7/25

Out: 1098.242+/-0.204 χ^2/NDF:2591747.1/28

All: 1095.243+/-0.143 χ^2/NDF: 4920200.7/54



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 152.588+/-586.729 χ^2/NDF:8.9/10

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 534.603+/-588.172 χ^2/NDF:11.6/9

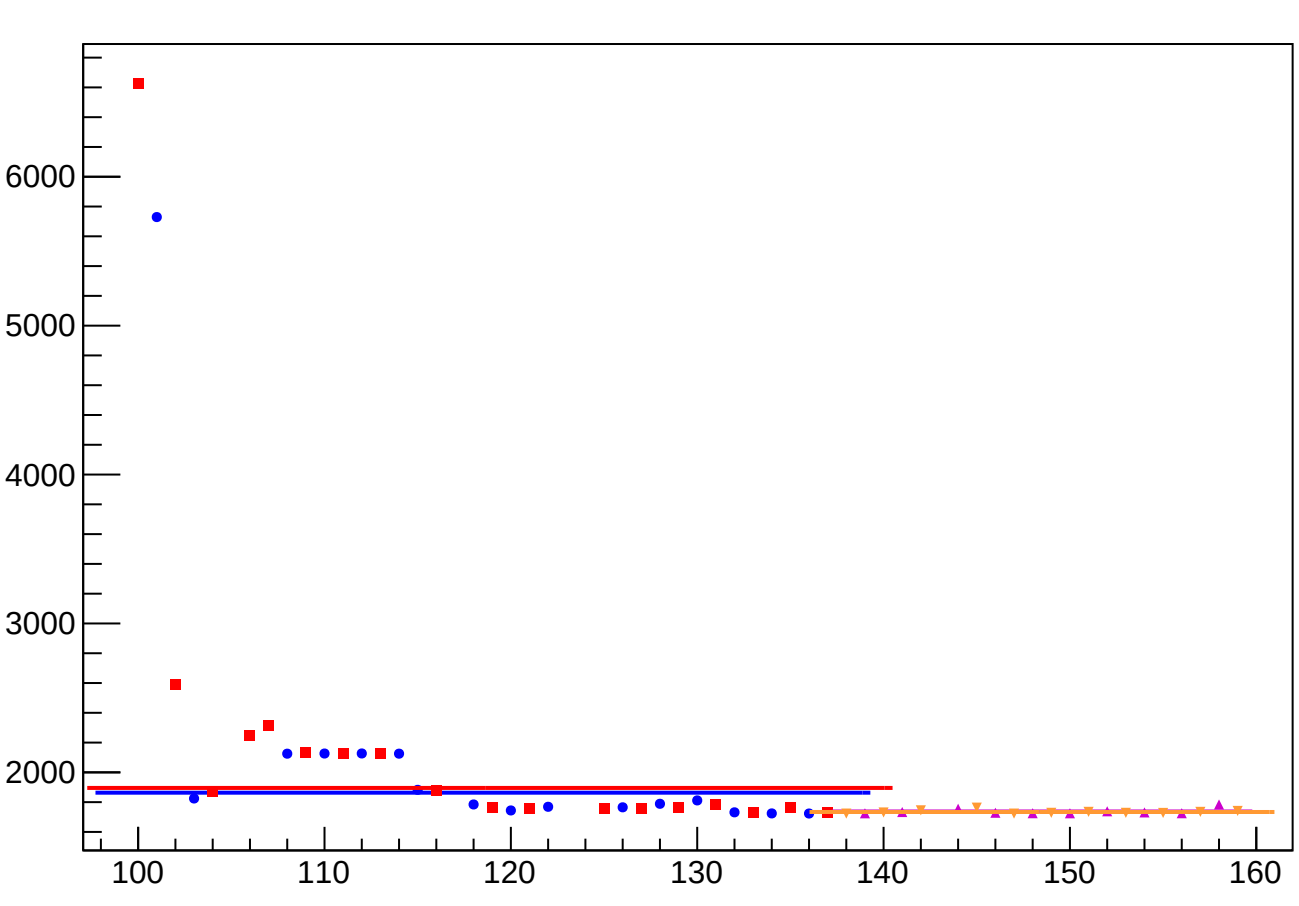
Left: 343.126+/-415.390 χ^2/NDF: 20.7/20

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 225.533+/-452.720 χ^2/NDF:28.0/25

Out: 269.834+/-453.079 χ^2/NDF:24.8/28

All: 247.666+/-320.248 χ^2/NDF: 52.9/54


cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
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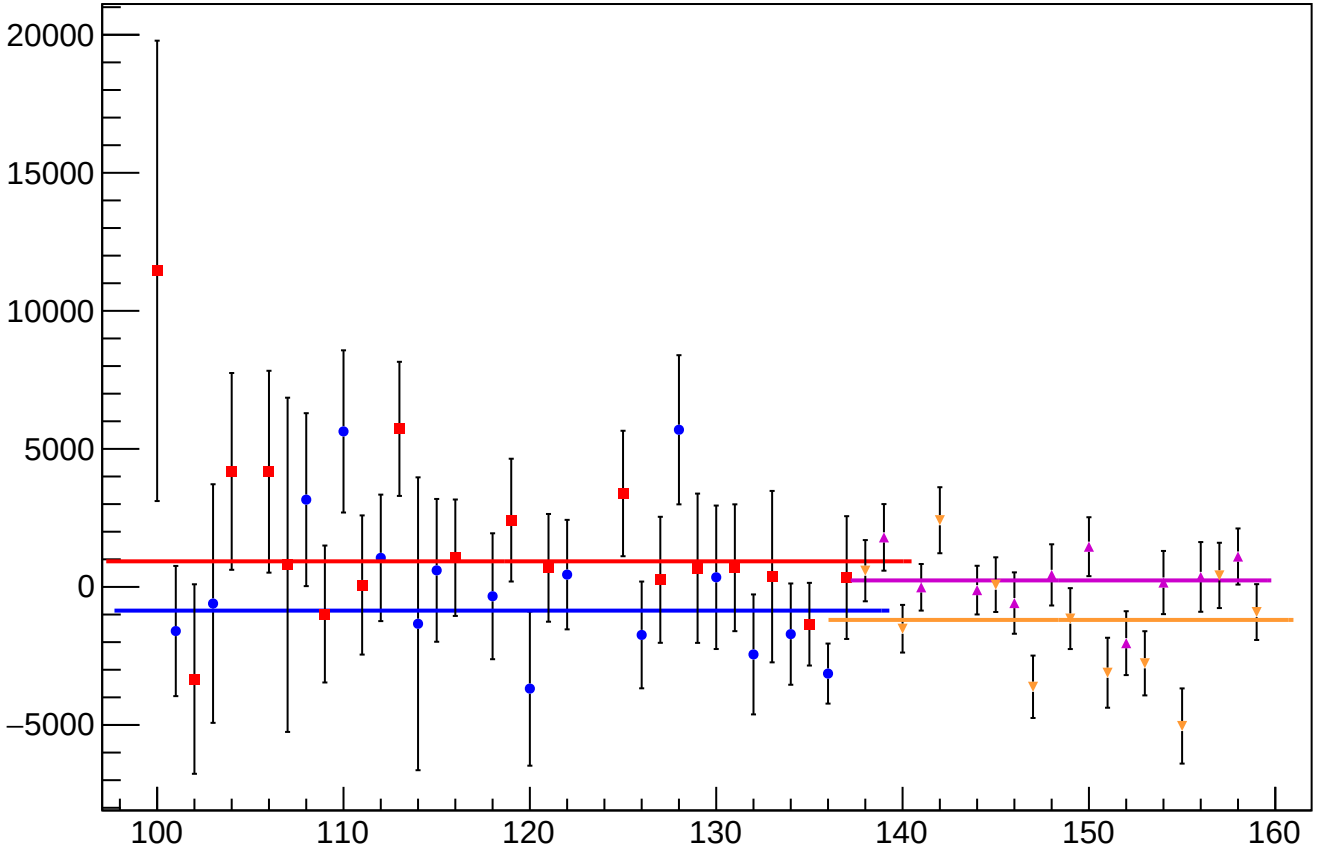
160
Right In: 1863.581+/-0.501 χ²/NDF: 674665.4/15
Left Out: 1733.911+/-0.415 χ²/NDF:697.6/10
Right Out: 1895.491+/-0.504 χ²/NDF: 259171.7/17
Left In: 1737.286+/-0.416 χ²/NDF:1829.9/9
Left: 1735.594+/-0.294 χ²/NDF: 2560.5/20
Right: 1879.447+/-0.356 χ²/NDF: 935850.8/33
In: 1788.757+/-0.320 χ²/NDF:714077.0/25
Out: 1799.139+/-0.320 χ²/NDF:321101.9/28
All: 1793.944+/-0.226 χ²/NDF: 1035704.3/54

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: -1195.051+/-331.985 χ^2/NDF:32.1/10

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 235.972+/-333.616 χ^2/NDF:8.4/9

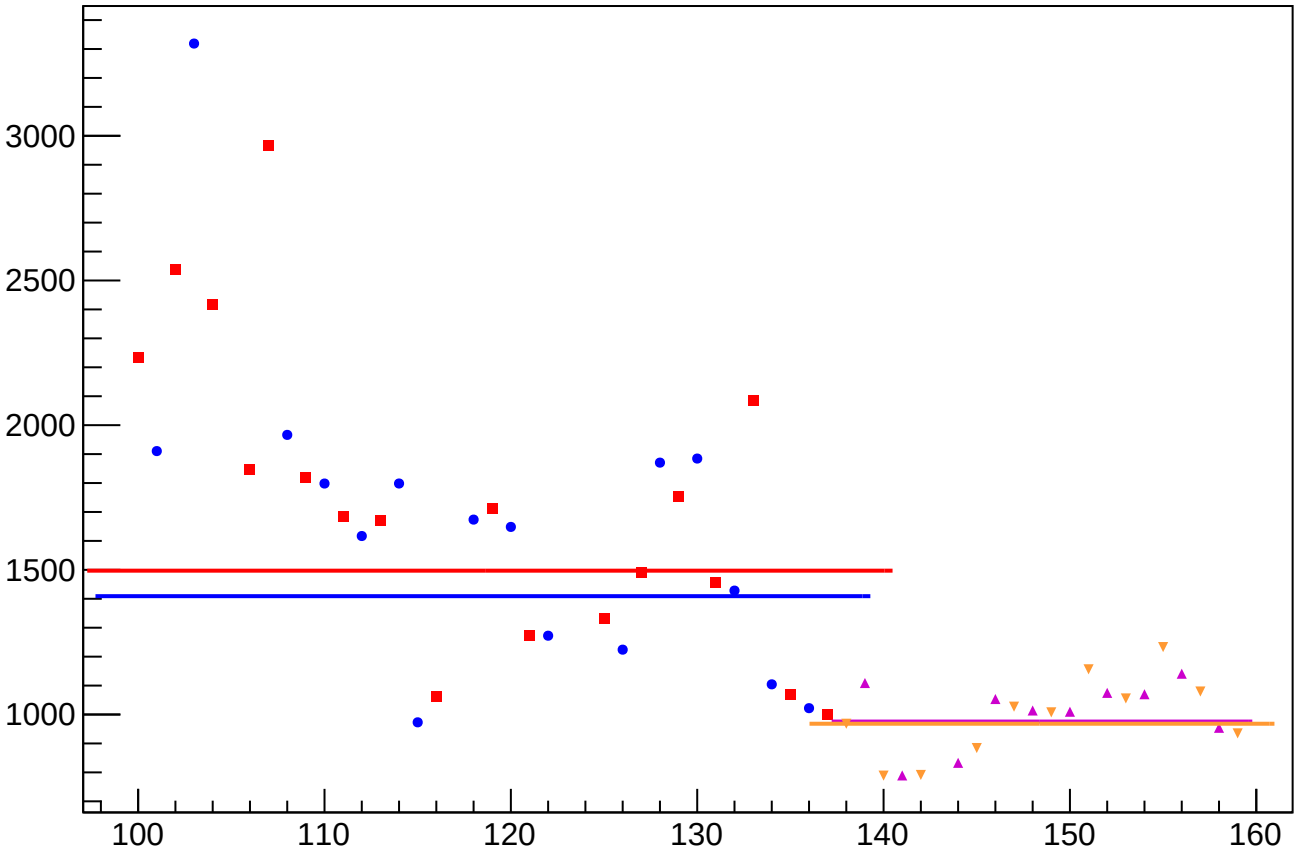
Left: -483.045+/-235.323 χ^2/NDF: 49.8/20

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -58.501+/-285.207 χ^2/NDF:31.9/25

Out: -677.921+/-288.718 χ^2/NDF:55.6/28

All: -364.422+/-202.902 χ^2/NDF: 89.8/54



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 968.139+/-0.235 χ^2/NDF:303366.9/10

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 975.666+/-0.236 χ^2/NDF:251869.1/9

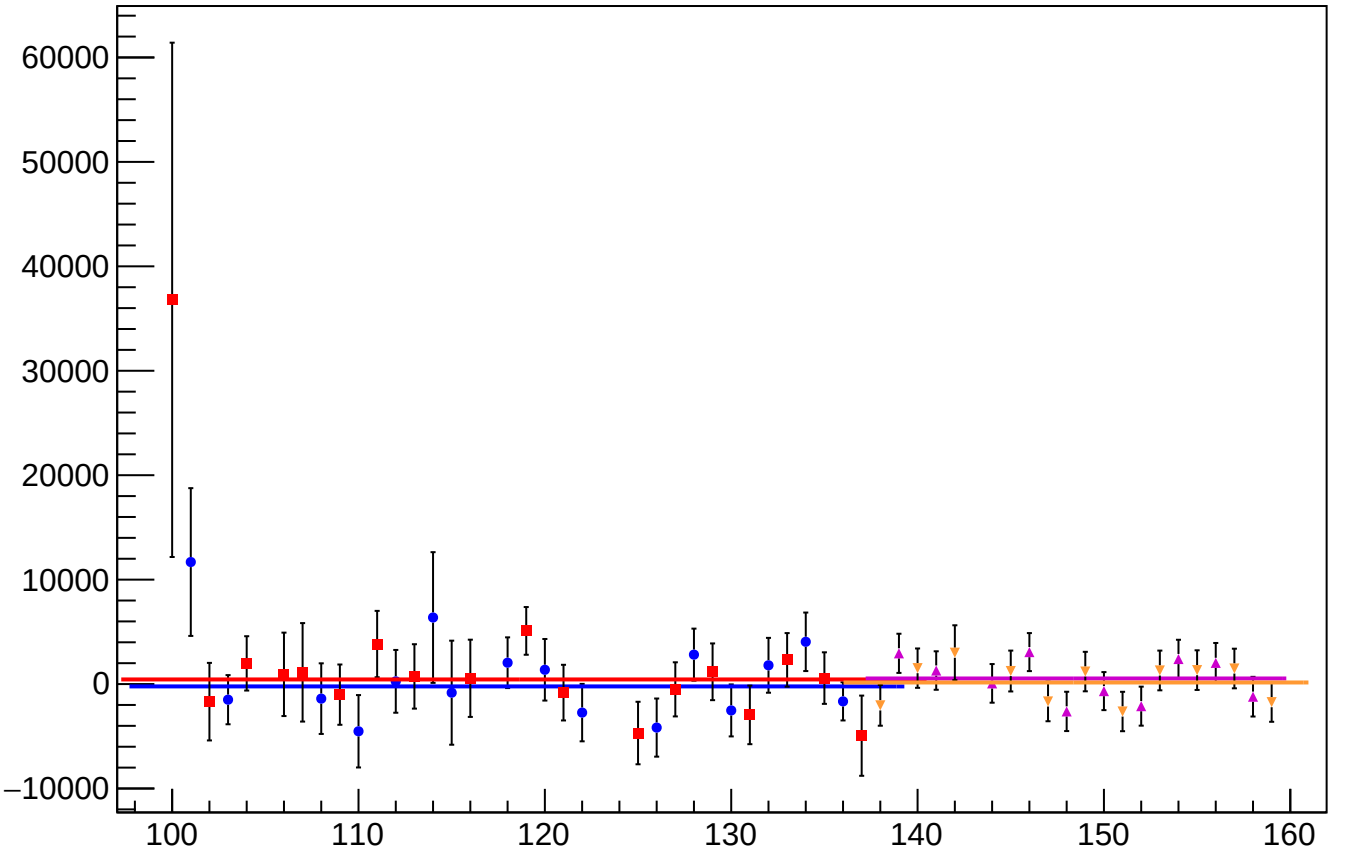
Left: 971.884+/-0.166 χ^2/NDF: 555747.6/20

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1092.303+/-0.202 χ^2/NDF:2327199.2/25

Out: 1097.043+/-0.204 χ^2/NDF:2558933.3/28

All: 1094.644+/-0.143 χ^2/NDF: 4886405.4/54



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 152.588+/-586.729 χ^2/NDF:8.9/10

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 534.603+/-588.172 χ^2/NDF:11.6/9

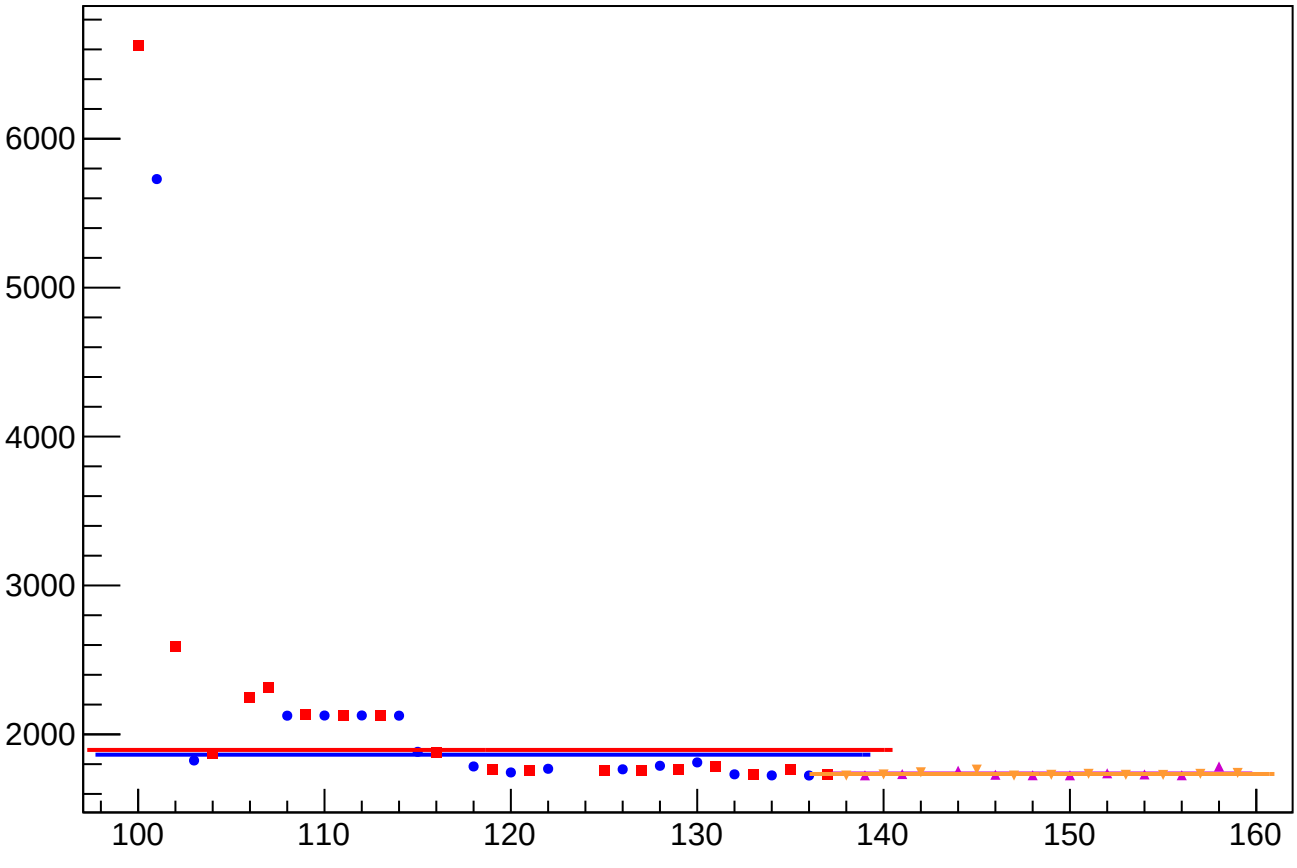
Left: 343.126+/-415.390 χ^2/NDF: 20.7/20

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 225.533+/-452.720 χ^2/NDF:28.0/25

Out: 269.834+/-453.079 χ^2/NDF:24.8/28

All: 247.666+/-320.248 χ^2/NDF: 52.9/54



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.911+/-0.415 χ^2/NDF:697.6/10

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

Left: 1735.594+/-0.294 χ^2/NDF: 2560.5/20

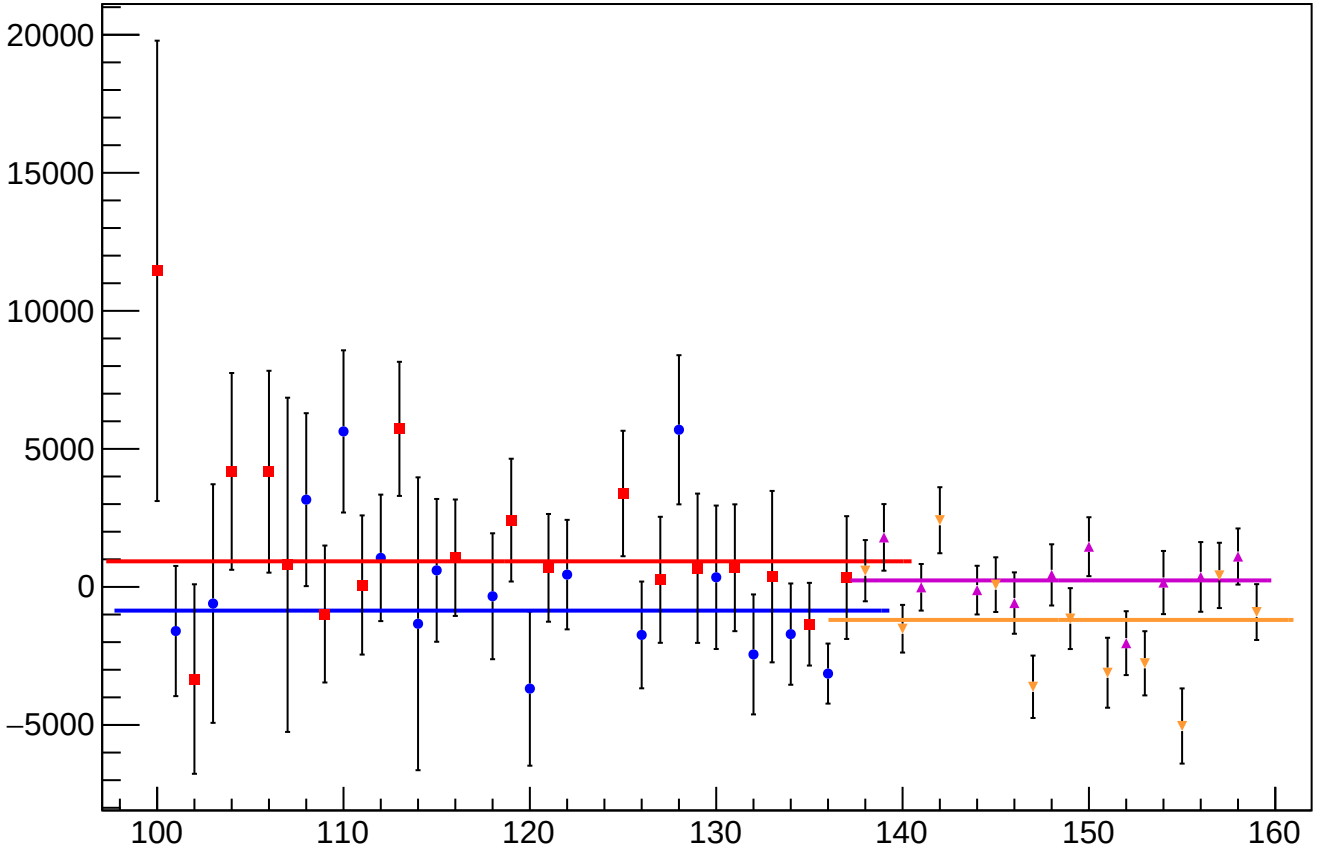
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1788.757+/-0.320 χ^2/NDF:714077.0/25

Out: 1799.139+/-0.320 χ^2/NDF:321101.9/28

All: 1793.944+/-0.226 χ^2/NDF: 1035704.3/54

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: -1195.051+/-331.985 χ^2/NDF:32.1/10

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 235.972+/-333.616 χ^2/NDF:8.4/9

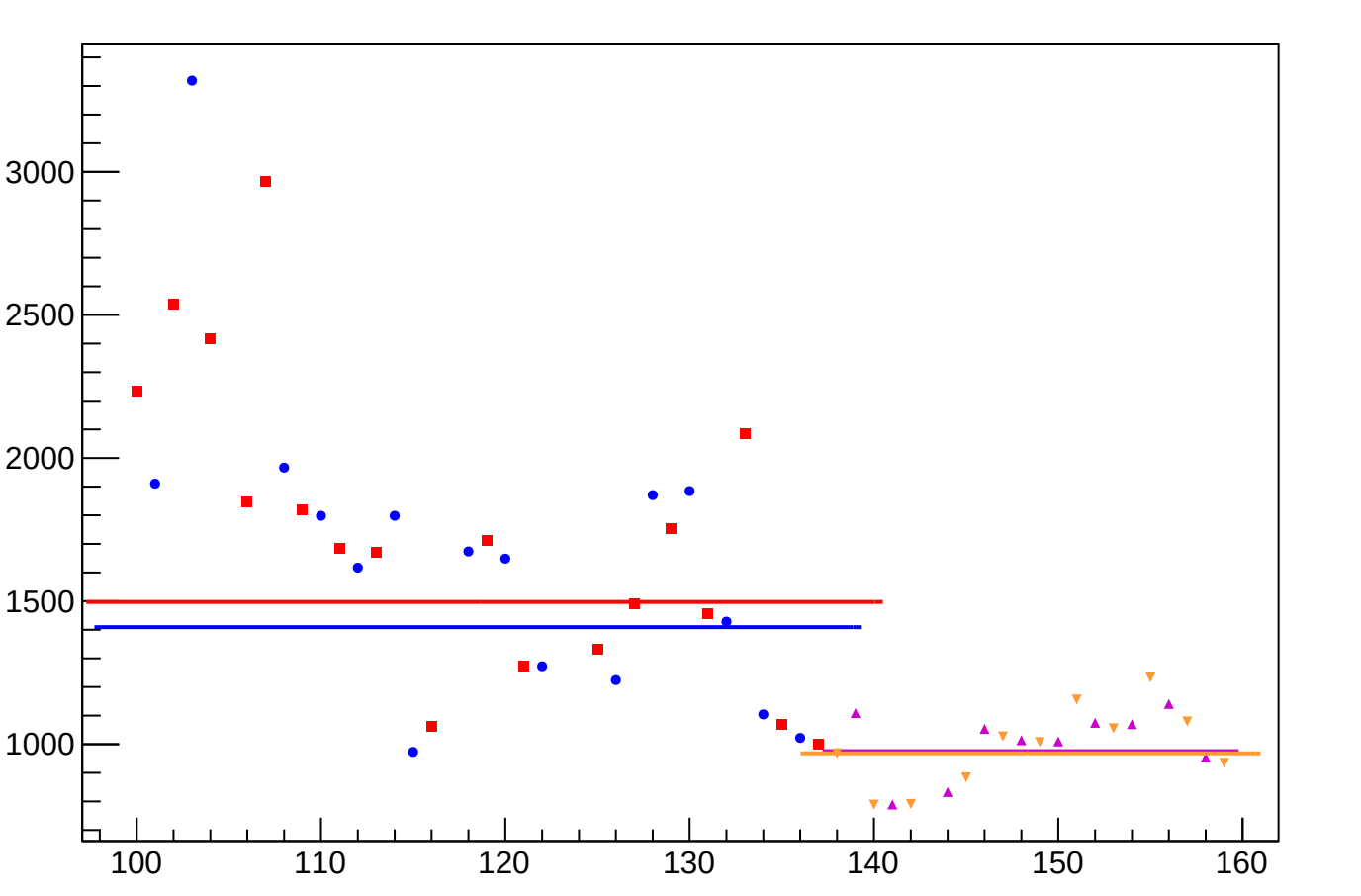
Left: -483.045+/-235.323 χ^2/NDF: 49.8/20

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -58.501+/-285.207 χ^2/NDF:31.9/25

Out: -677.921+/-288.718 χ^2/NDF:55.6/28

All: -364.422+/-202.902 χ^2/NDF: 89.8/54


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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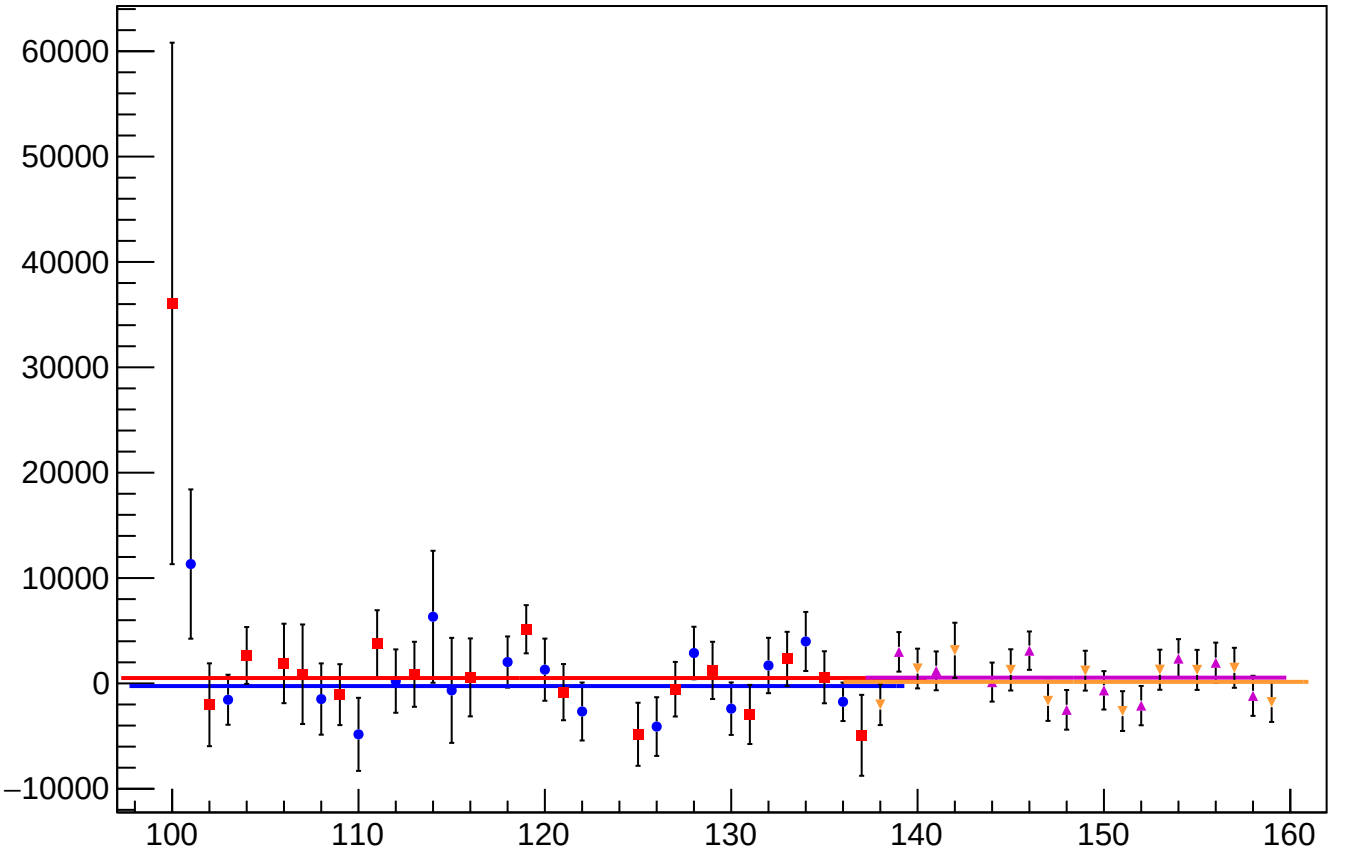
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 968.139+/-0.235 χ²/NDF:303366.9/10
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 975.666+/-0.236 χ²/NDF:251869.1/9
Left: 971.884+/-0.166 χ²/NDF: 555747.6/20
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1092.303+/-0.202 χ²/NDF:2327199.2/25
Out: 1097.043+/-0.204 χ²/NDF:2558933.3/28
All: 1094.644+/-0.143 χ²/NDF: 4886405.4/54



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 148.654+/-586.909 χ^2/NDF:9.0/10

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 545.822+/-588.450 χ^2/NDF:11.3/9

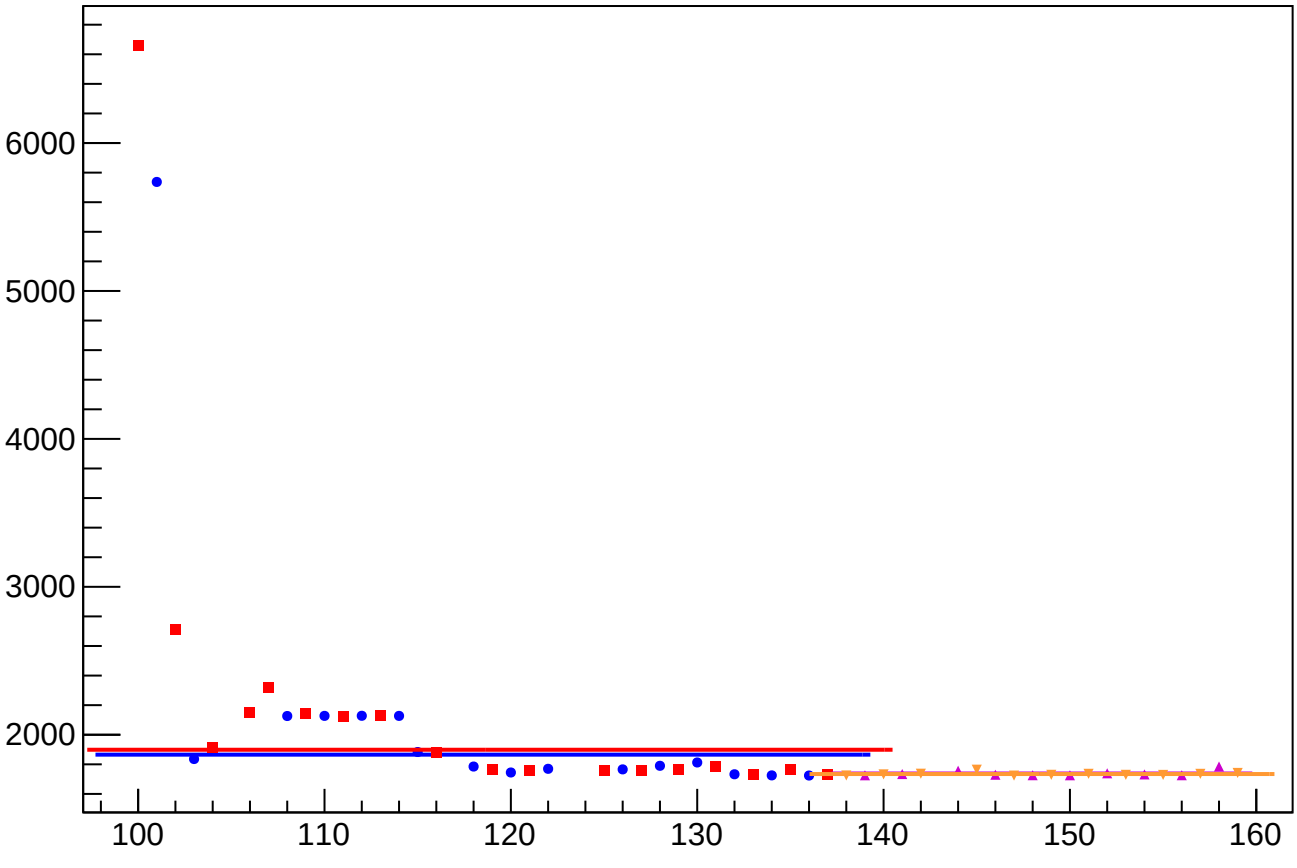
Left: 346.717+/-415.551 χ^2/NDF: 20.5/20

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 220.923+/-453.060 χ^2/NDF:27.7/25

Out: 294.056+/-453.761 χ^2/NDF:25.5/28

All: 257.433+/-320.610 χ^2/NDF: 53.2/54



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.387+/-0.415 χ^2/NDF:650.9/10

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

Left: 1736.241+/-0.294 χ^2/NDF: 2517.1/20

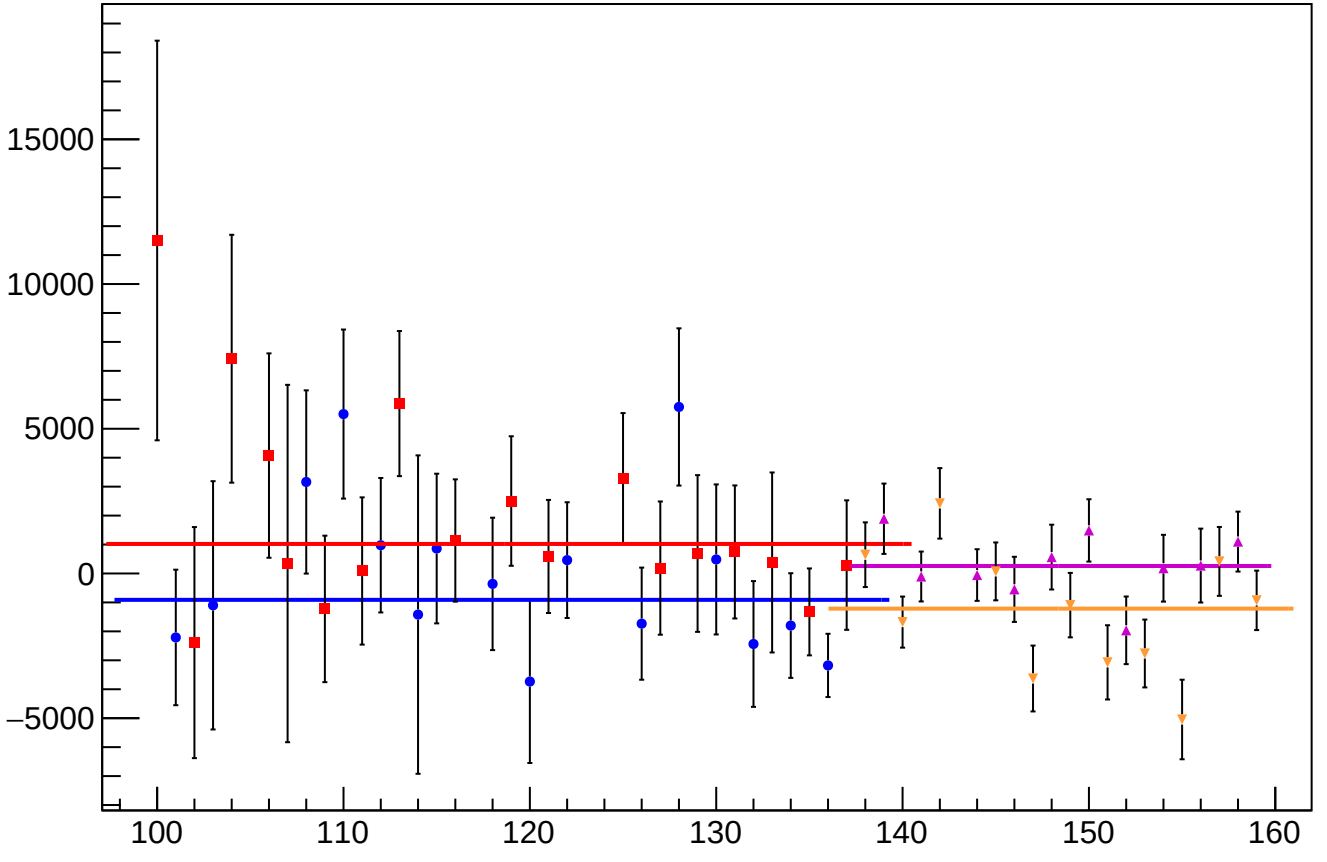
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1789.958+/-0.320 χ^2/NDF:714951.5/25

Out: 1800.445+/-0.321 χ^2/NDF:332744.1/28

All: 1795.193+/-0.227 χ^2/NDF: 1048230.5/54

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: -1214.591+/-335.949 χ^2/NDF:31.7/10

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 258.712+/-337.811 χ^2/NDF:8.3/9

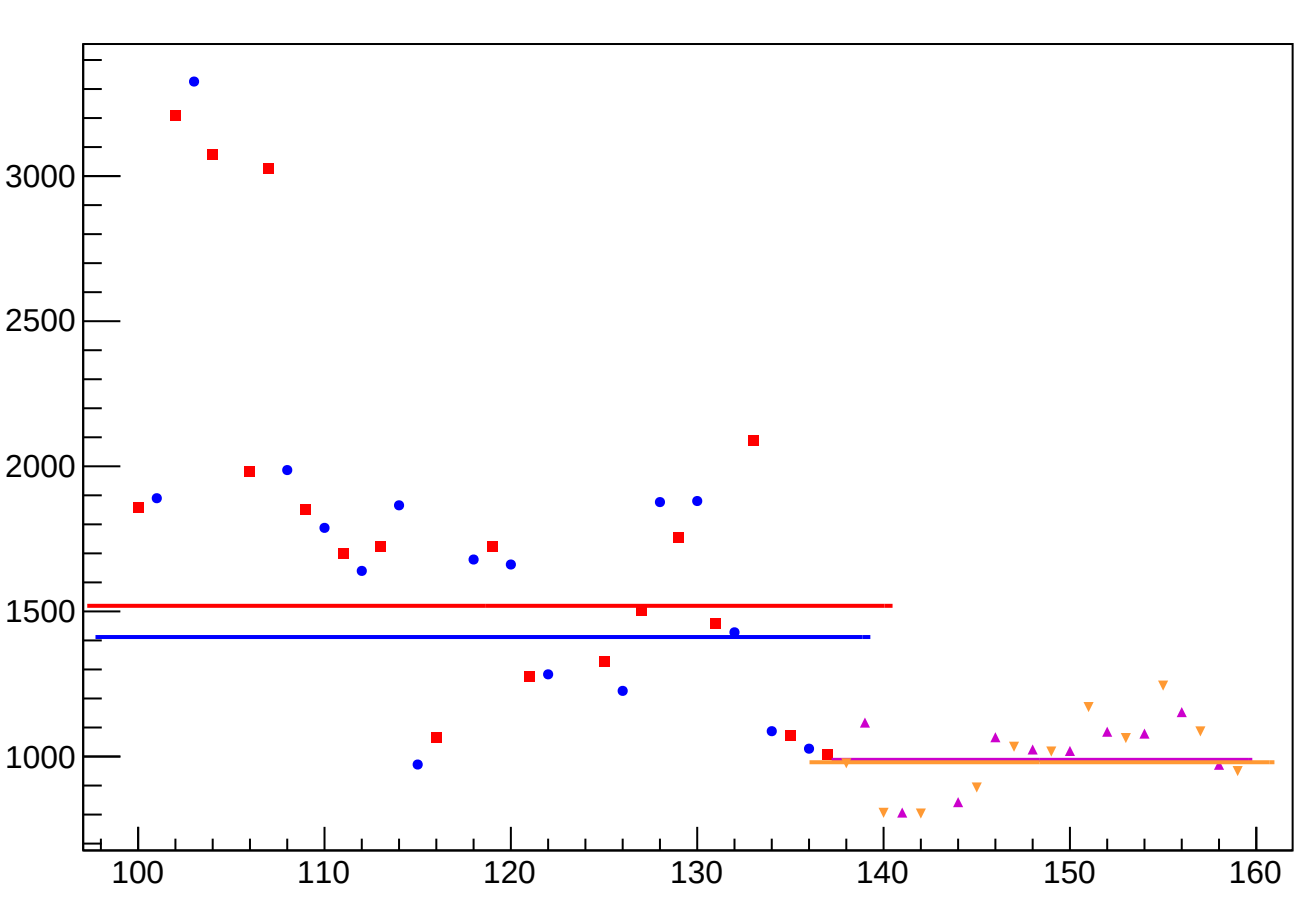
Left: -482.012+/-238.208 χ^2/NDF: 49.6/20

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -60.969+/-287.971 χ^2/NDF:32.6/25

Out: -669.679+/-292.133 χ^2/NDF:57.4/28

All: -360.958+/-205.082 χ^2/NDF: 92.2/54



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 980.308+/-0.238 χ^2/NDF:287562.1/10

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 988.581+/-0.239 χ^2/NDF:237720.2/9

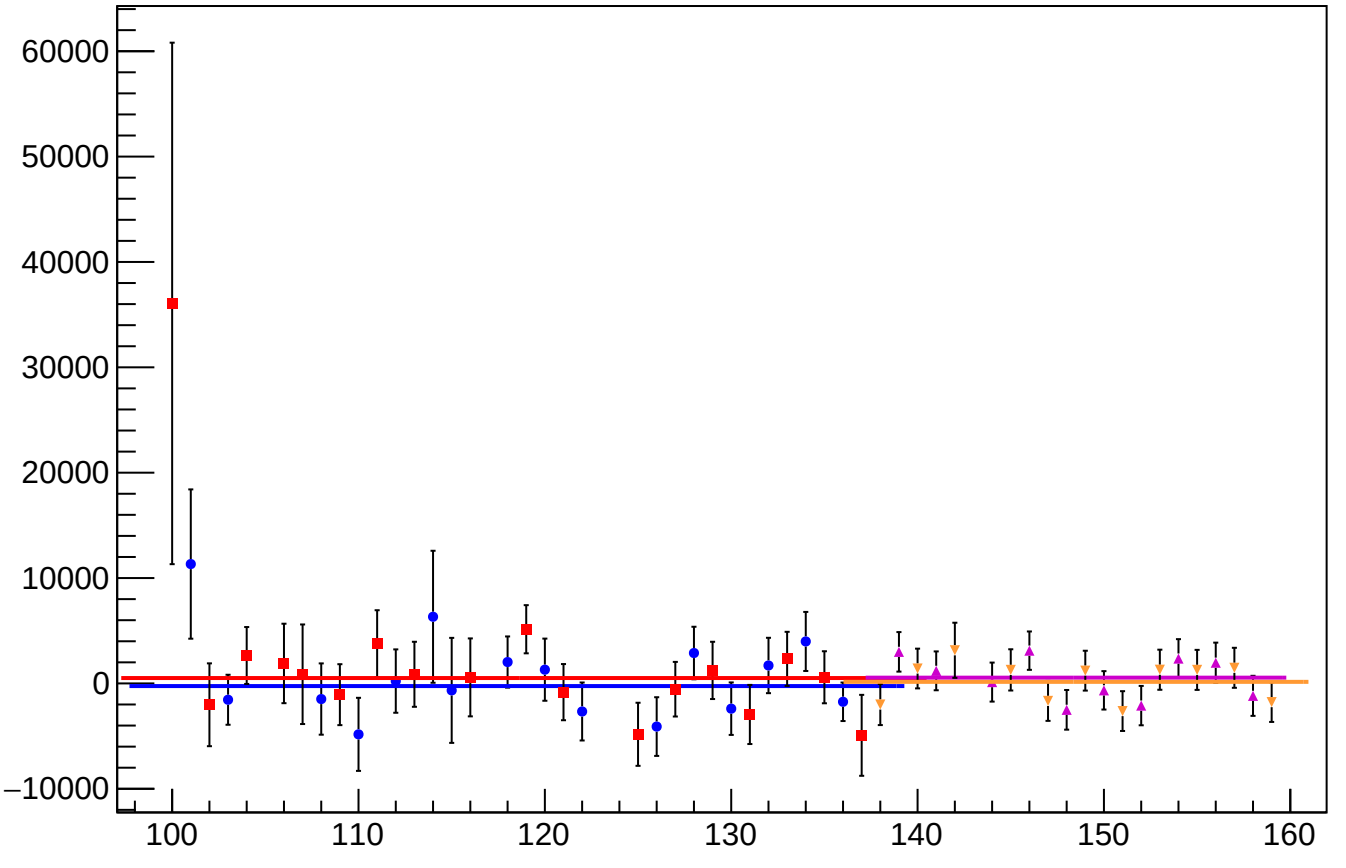
Left: 984.422+/-0.168 χ^2/NDF: 525885.6/20

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1104.237+/-0.204 χ^2/NDF:2273209.9/25

Out: 1111.736+/-0.207 χ^2/NDF:2903047.2/28

All: 1107.933+/-0.145 χ^2/NDF: 5176925.6/54



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 148.653+/-586.909 χ^2/NDF:9.0/10

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 545.822+/-588.450 χ^2/NDF:11.3/9

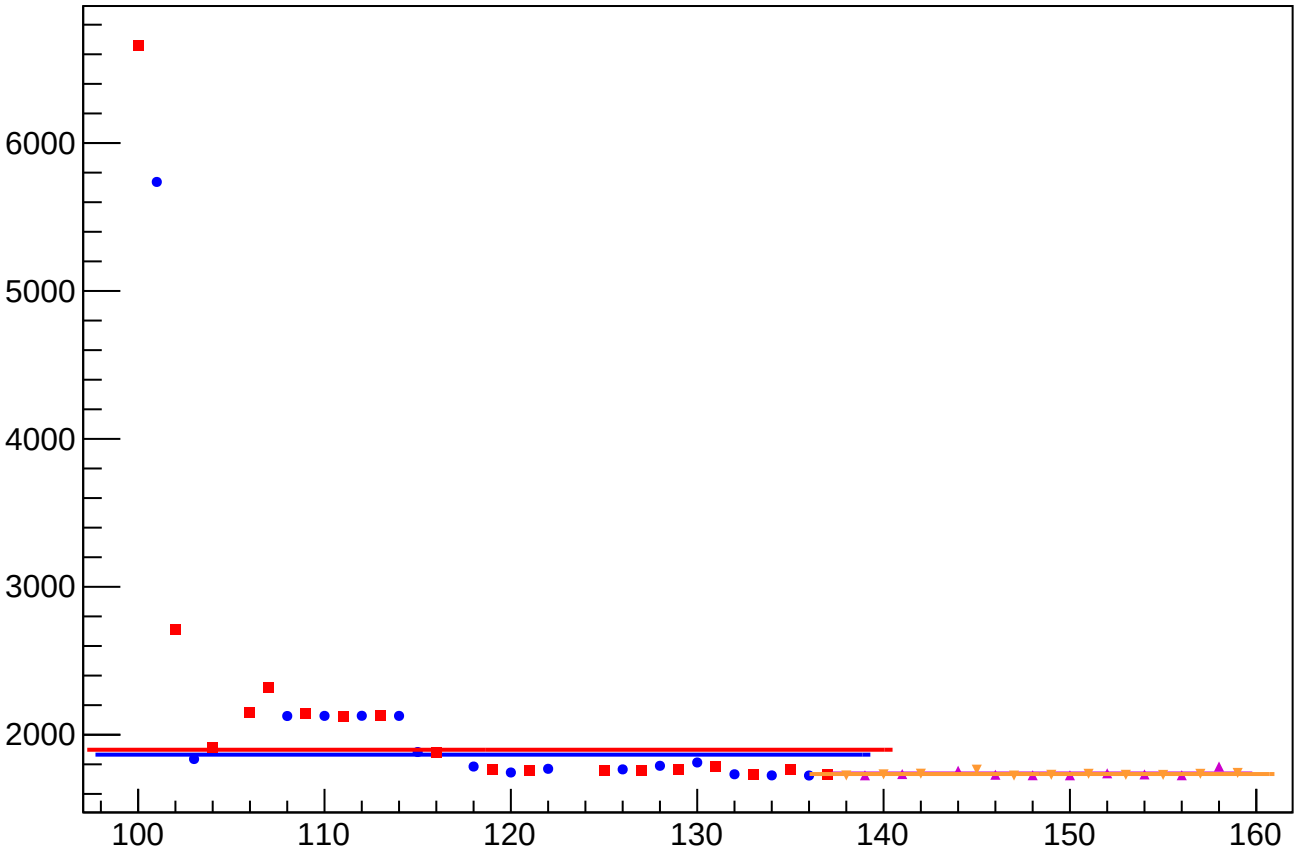
Left: 346.717+/-415.551 χ^2/NDF: 20.5/20

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 220.923+/-453.060 χ^2/NDF:27.7/25

Out: 294.055+/-453.761 χ^2/NDF:25.5/28

All: 257.433+/-320.610 χ^2/NDF: 53.2/54


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
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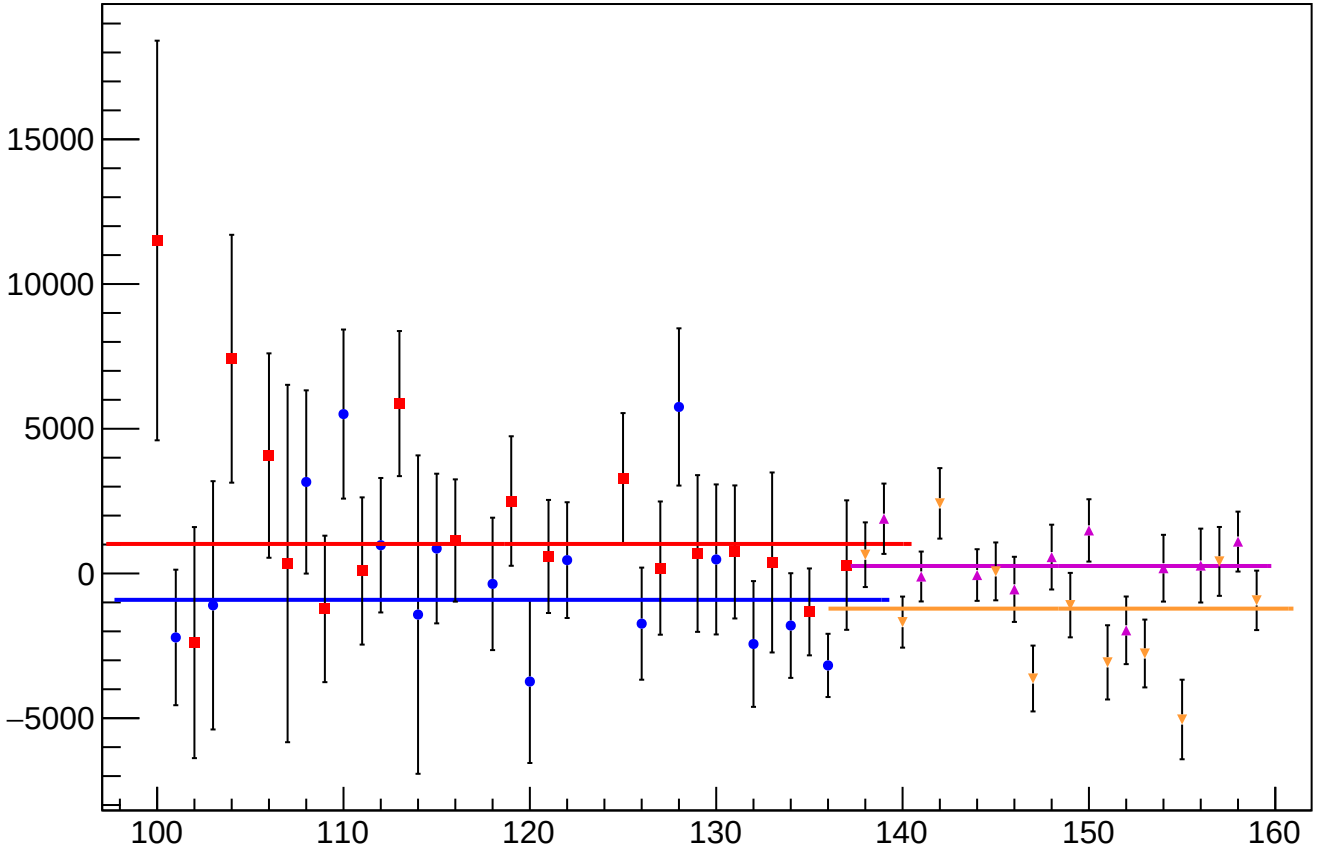
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1734.387+/-0.415 χ²/NDF:650.9/10
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1738.105+/-0.416 χ²/NDF:1826.1/9
Left: 1736.241+/-0.294 χ²/NDF: 2517.1/20
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1789.958+/-0.320 χ²/NDF:714951.5/25
Out: 1800.445+/-0.321 χ²/NDF:332743.8/28
All: 1795.193+/-0.227 χ²/NDF: 1048230.2/54

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: -1214.589+/-335.949 χ^2/NDF:31.7/10

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 258.711+/-337.811 χ^2/NDF:8.3/9

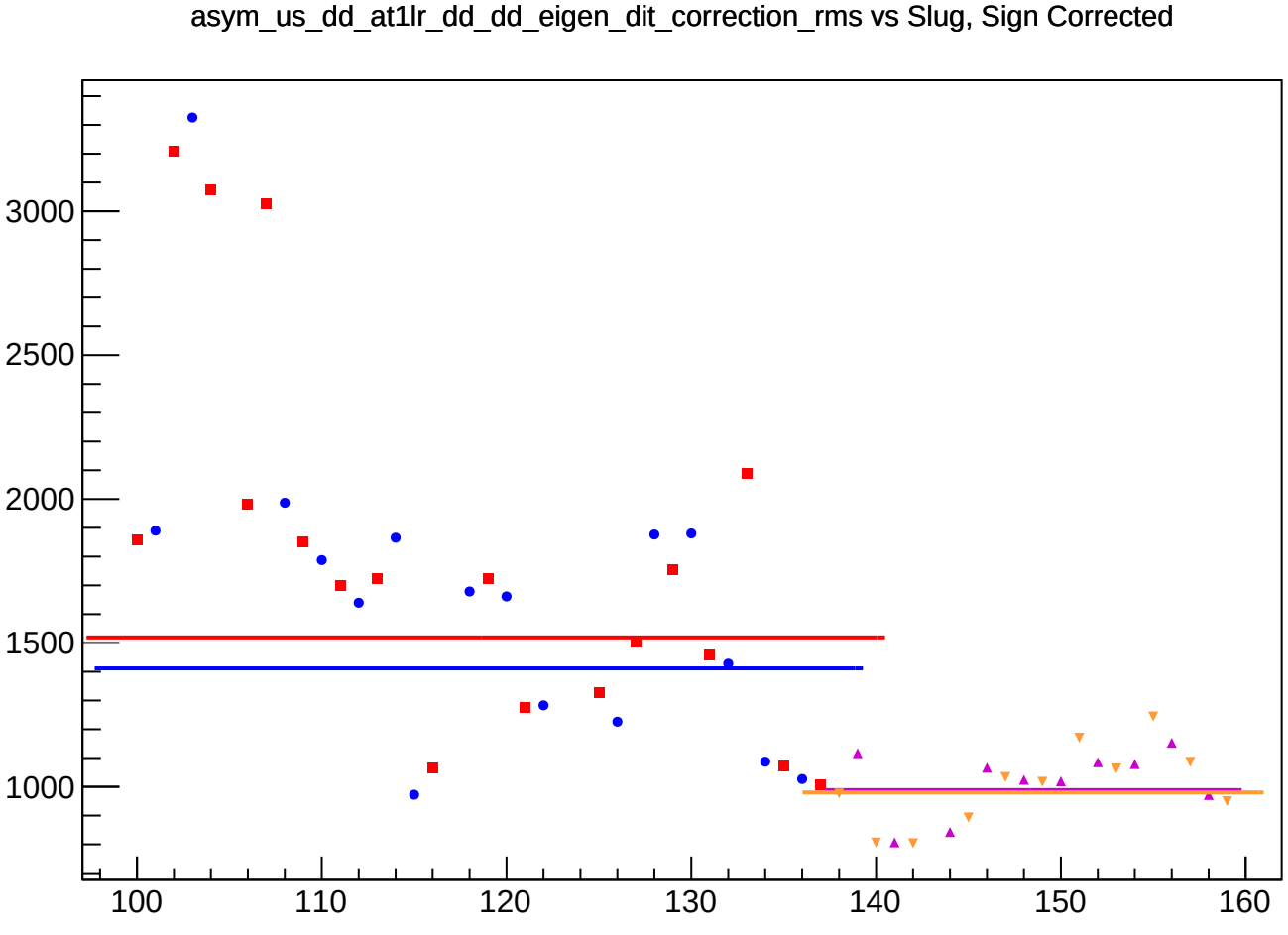
Left: -482.012+/-238.208 χ^2/NDF: 49.6/20

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -60.969+/-287.971 χ^2/NDF:32.6/25

Out: -669.677+/-292.133 χ^2/NDF:57.4/28

All: -360.956+/-205.082 χ^2/NDF: 92.2/54


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
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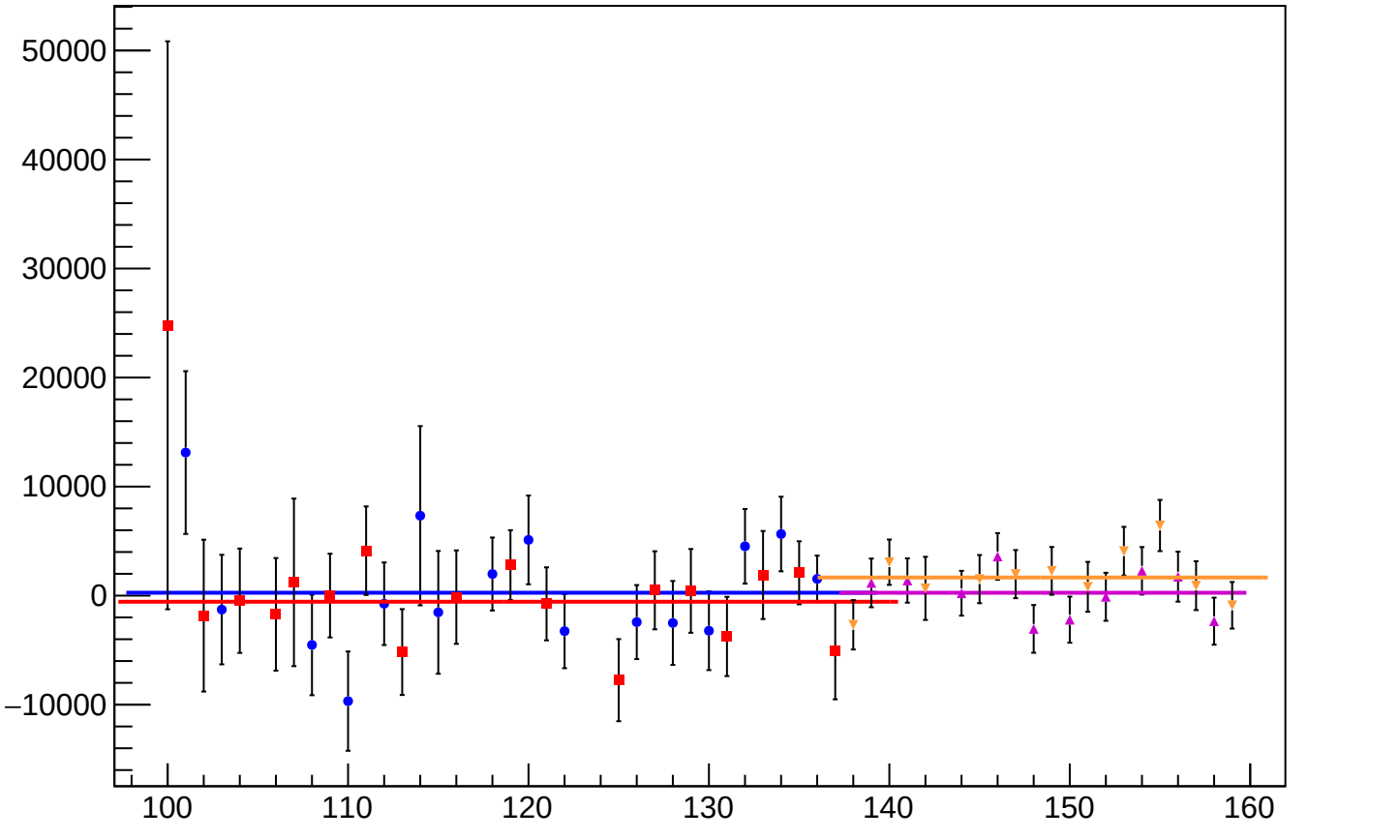
120
130
140
150
160
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 980.307+/-0.238 χ²/NDF:287572.0/10
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 988.581+/-0.239 χ²/NDF:237728.2/9
Left: 984.421+/-0.168 χ²/NDF: 525903.5/20
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1104.236+/-0.204 χ²/NDF:2273207.8/25
Out: 1111.736+/-0.207 χ²/NDF:2903054.8/28
All: 1107.932+/-0.145 χ²/NDF: 5176931.1/54



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1660.917+/-681.007 χ^2/NDF:11.3/10

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 261.890+/-681.286 χ^2/NDF:9.3/9

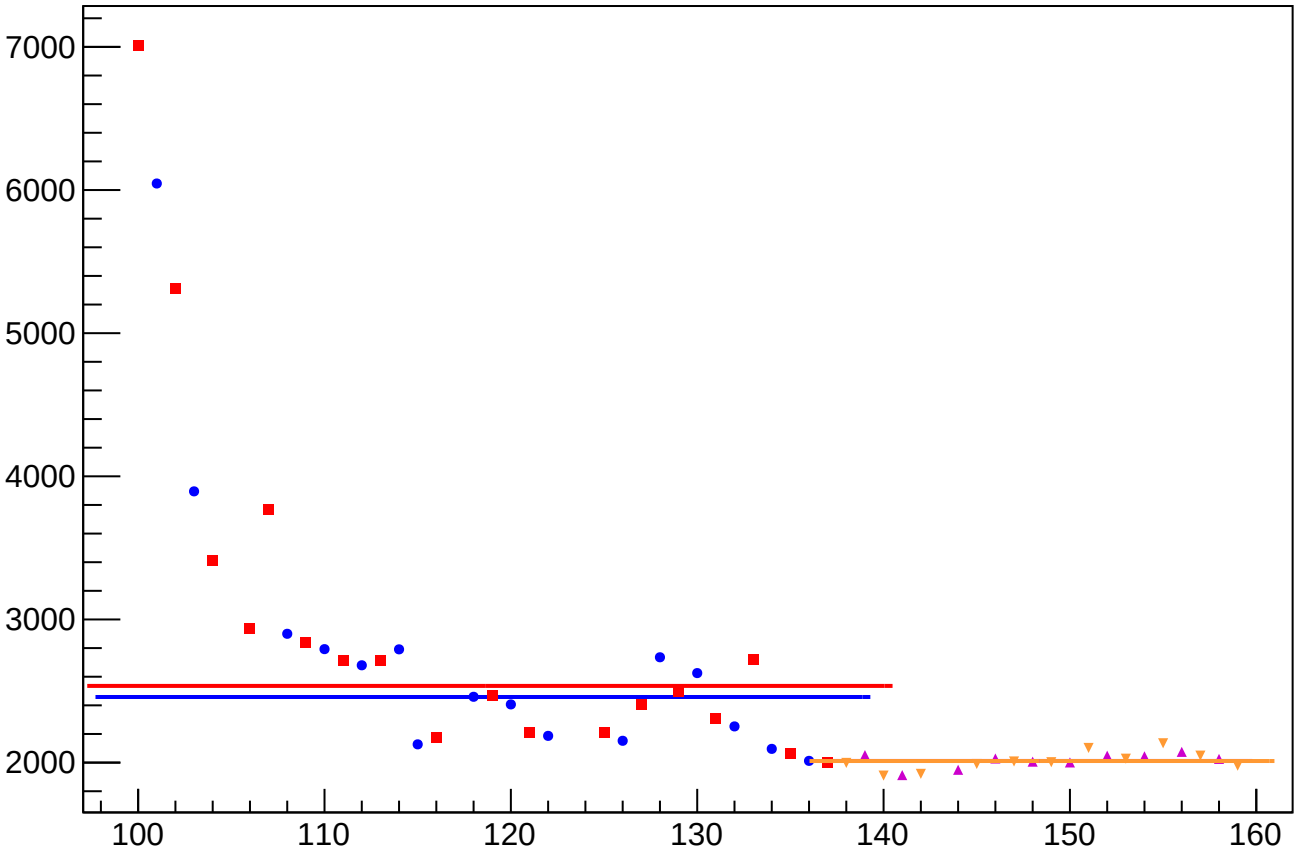
Left: 961.690+/-481.643 χ^2/NDF: 22.8/20

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 262.746+/-552.035 χ^2/NDF:28.4/25

Out: 920.142+/-556.011 χ^2/NDF:26.6/28

All: 589.085+/-391.746 χ^2/NDF: 55.7/54



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2011.057+/-0.482 χ^2/NDF:16888.7/10

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2011.504+/-0.482 χ^2/NDF:10020.5/9

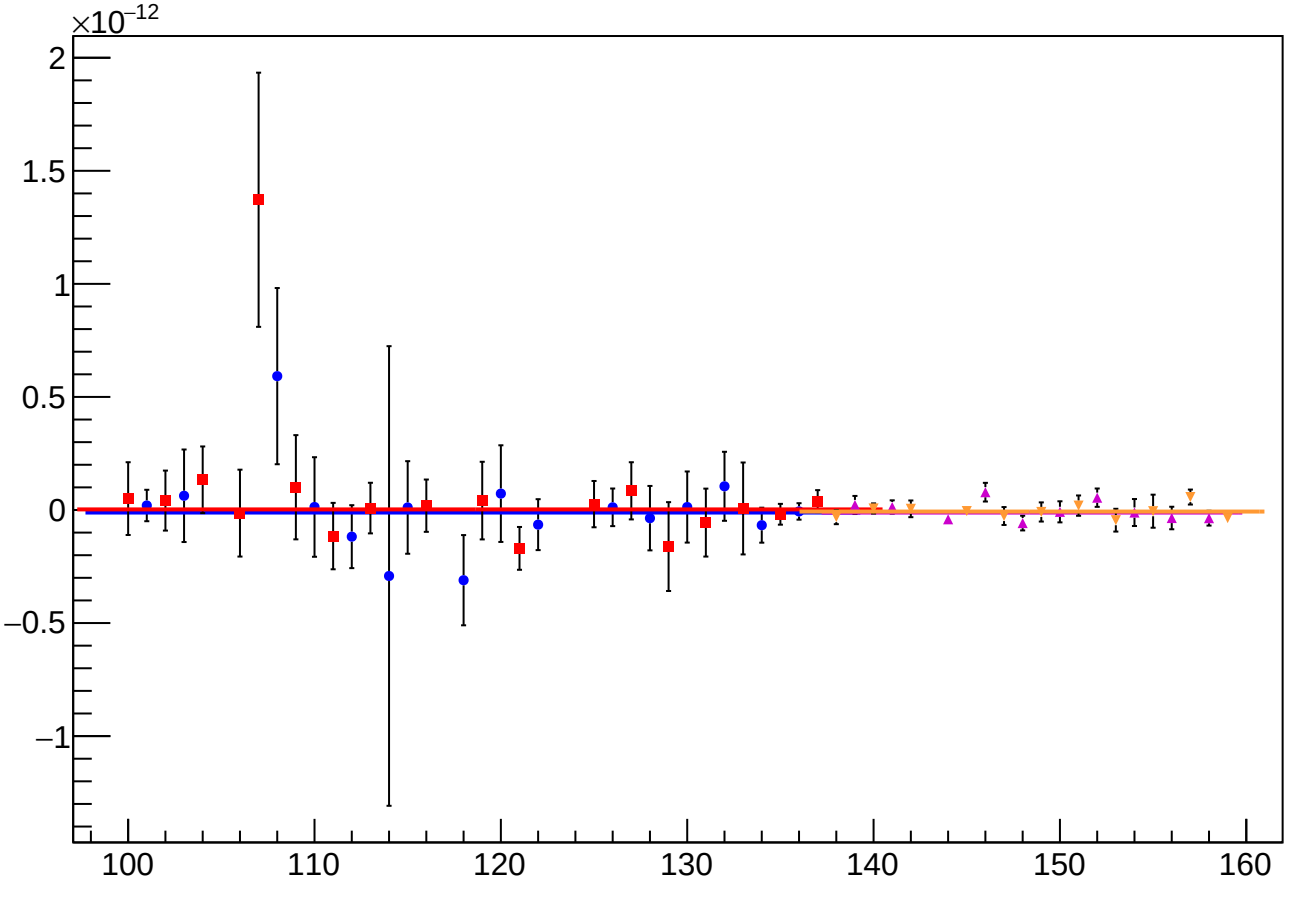
Left: 2011.280+/-0.341 χ^2/NDF: 26909.7/20

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2164.962+/-0.390 χ^2/NDF:1138371.4/25

Out: 2186.002+/-0.393 χ^2/NDF:1086102.7/28

All: 2175.406+/-0.277 χ^2/NDF: 2225916.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/9

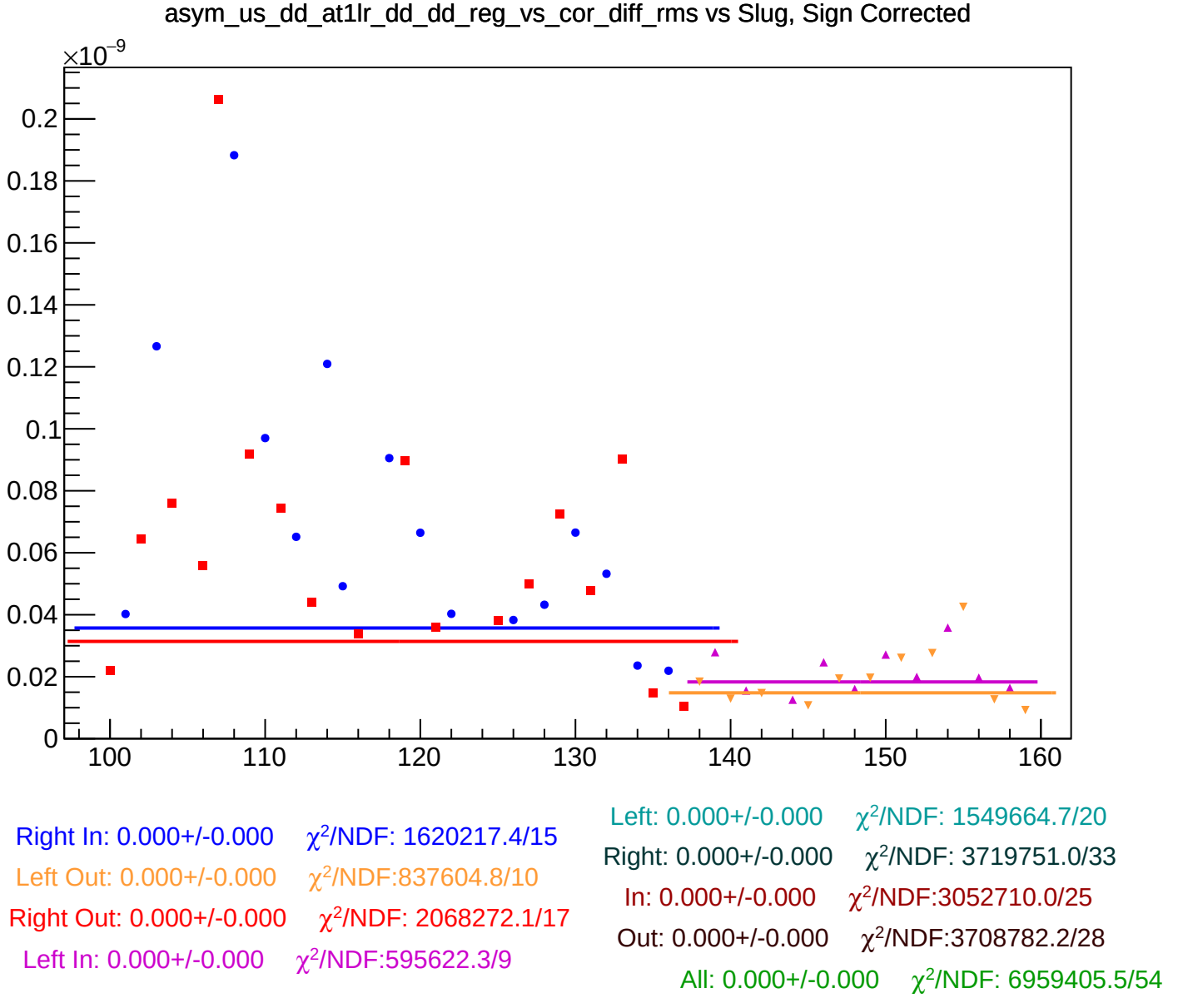
Left: -0.000+/-0.000 χ^2/NDF: 21.5/20

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

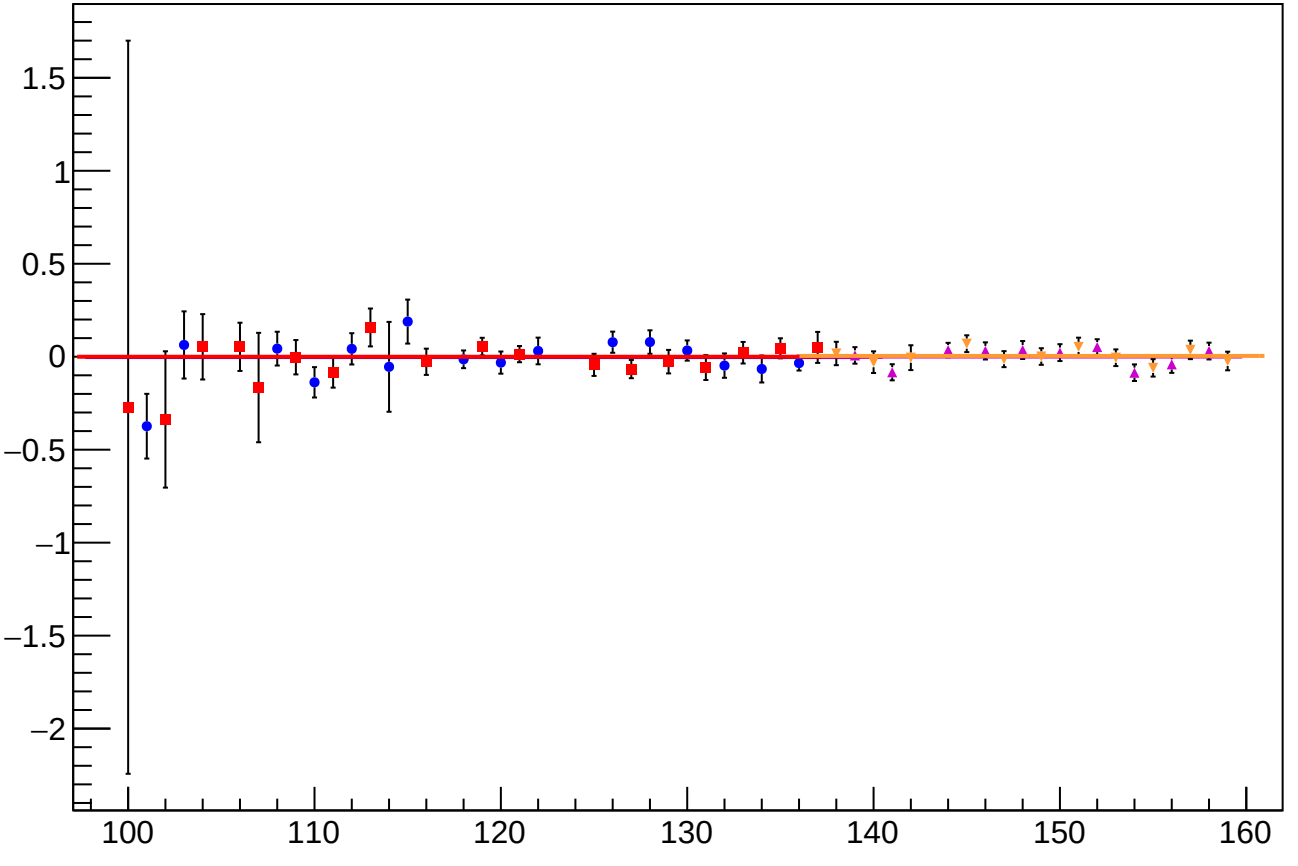
In: -0.000+/-0.000 χ^2/NDF:21.0/25

Out: -0.000+/-0.000 χ^2/NDF:21.1/28

All: -0.000+/-0.000 χ^2/NDF: 42.2/54


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:837604.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:595622.3/9
Left: 0.000+/-0.000 χ²/NDF: 1549664.7/20
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3052710.0/25
Out: 0.000+/-0.000 χ²/NDF:3708782.2/28
All: 0.000+/-0.000 χ²/NDF: 6959405.5/54

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: 0.004+/-0.015 χ^2/NDF:6.3/10

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.003+/-0.010 χ^2/NDF: 18.6/20

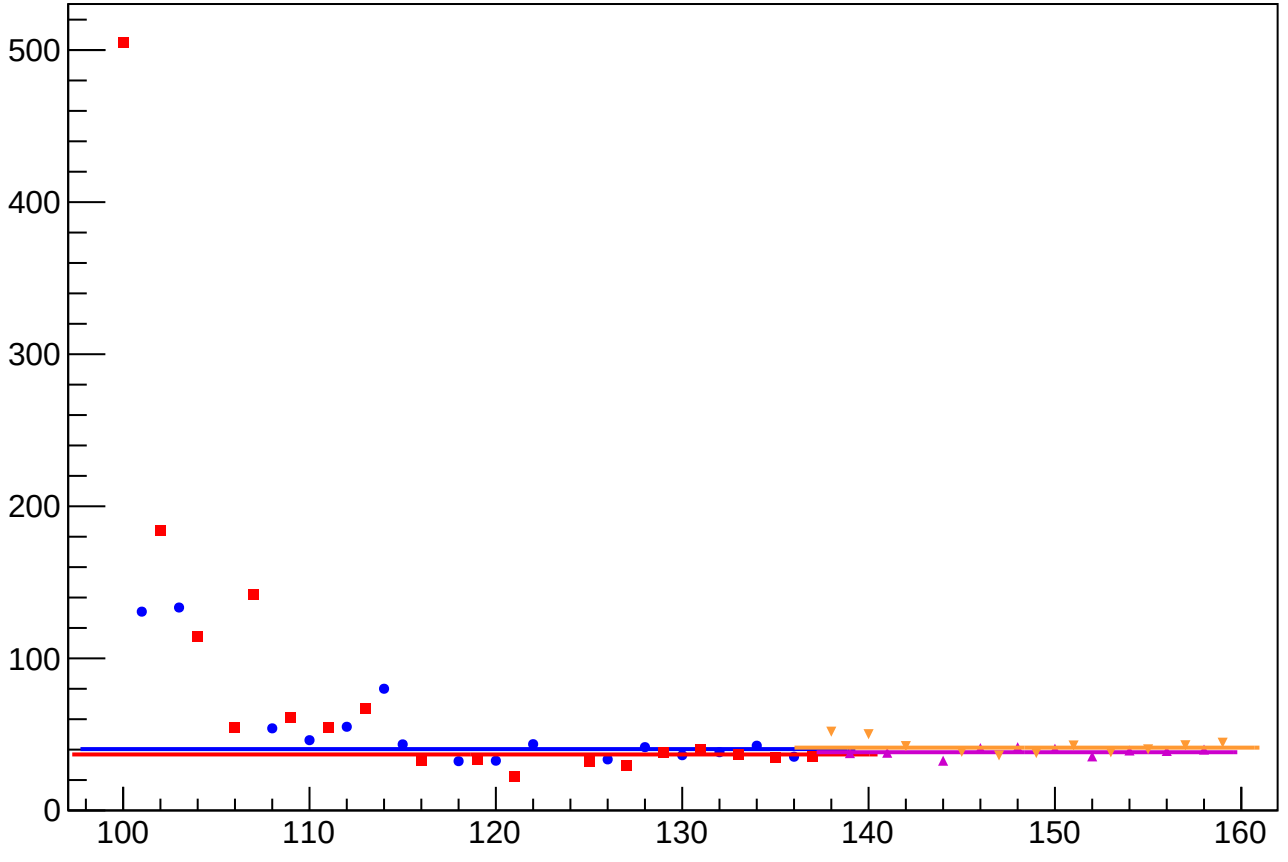
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

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: 41.305+/-0.011 χ^2/NDF:173051.1/10

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

Left: 39.695+/-0.007 χ^2/NDF: 292656.5/20

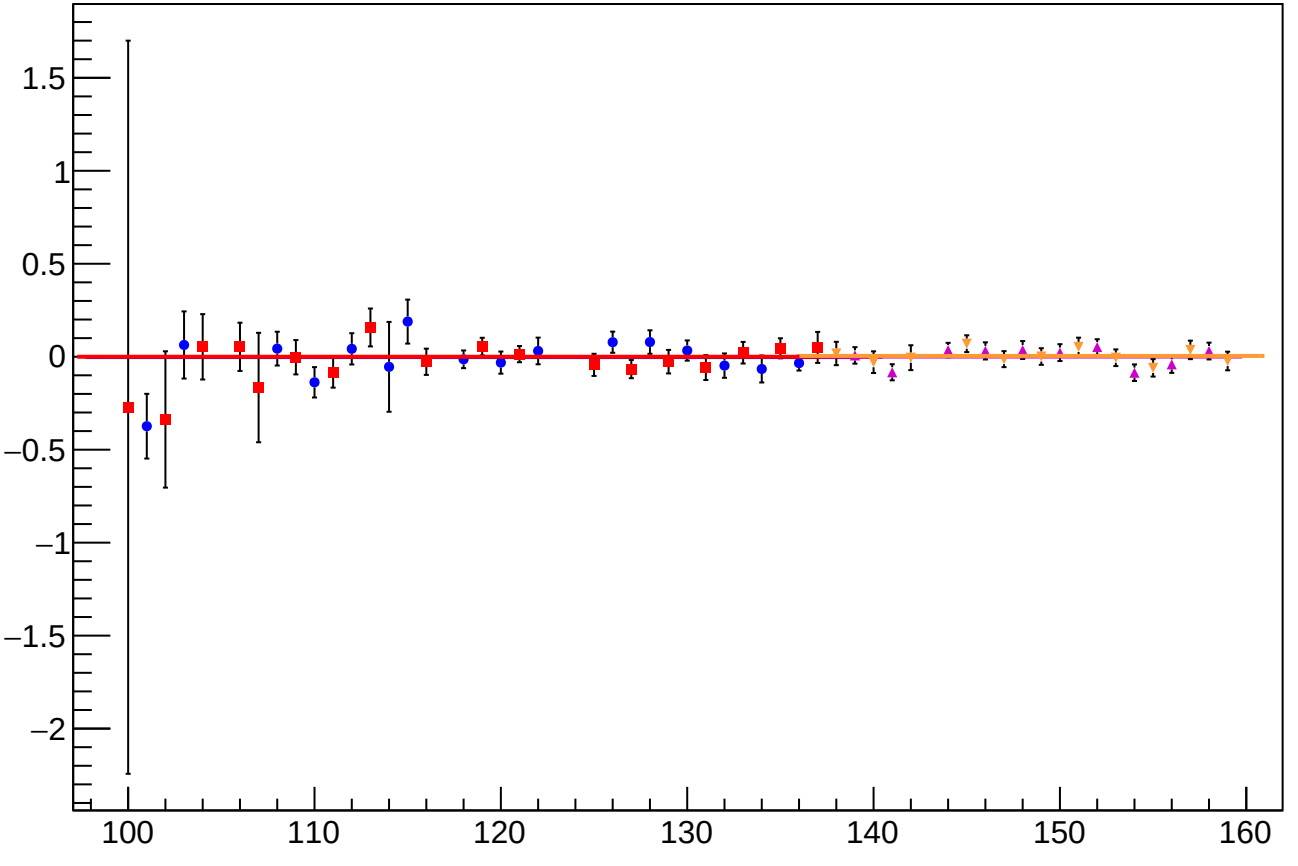
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.008 χ^2/NDF:1503879.0/25

Out: 39.304+/-0.008 χ^2/NDF:2090153.2/28

All: 39.208+/-0.005 χ^2/NDF: 3594319.6/54

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: 0.004+/-0.015 χ^2/NDF:6.3/10

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.003+/-0.010 χ^2/NDF: 18.6/20

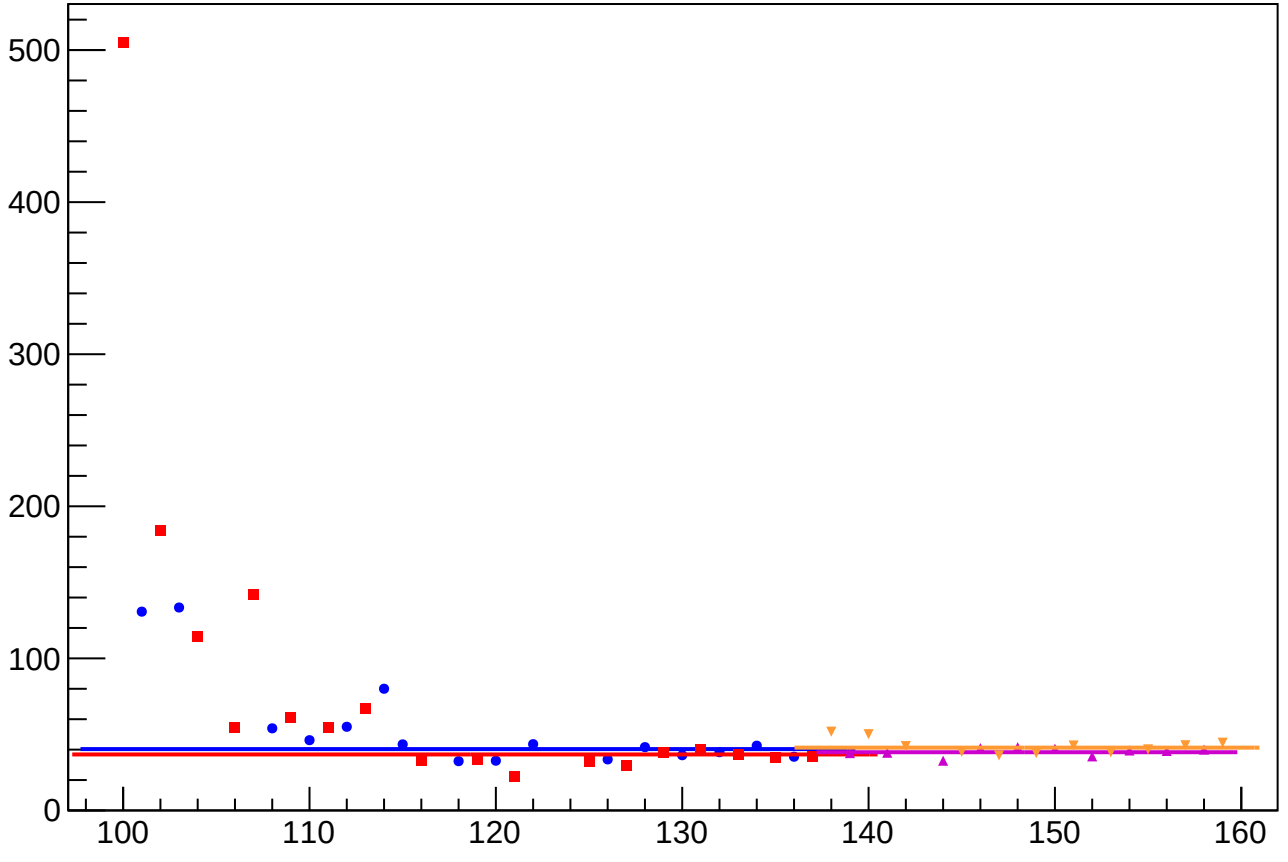
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

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: 41.305+/-0.011 χ^2/NDF:173051.1/10

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

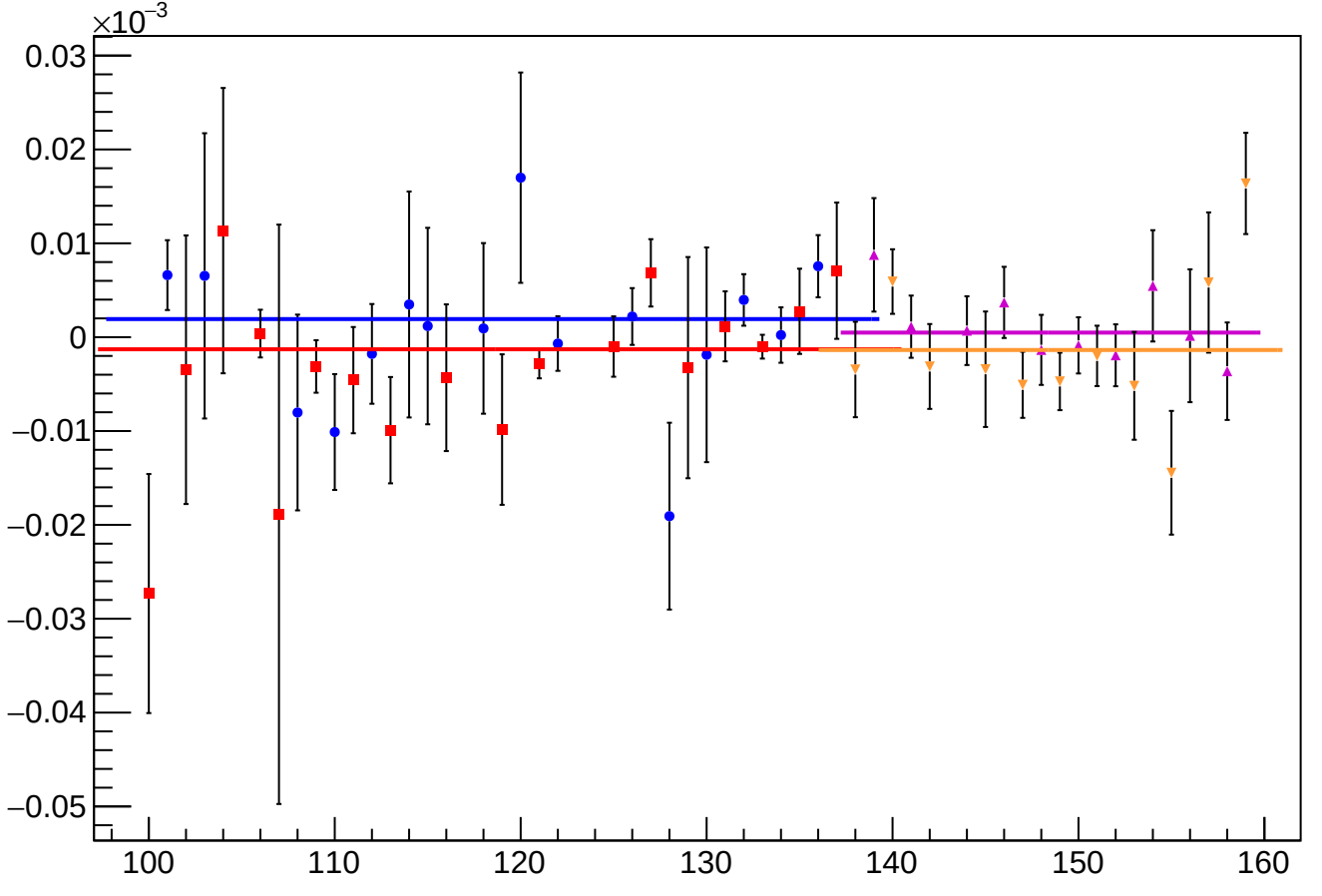
Left: 39.695+/-0.007 χ^2/NDF: 292656.5/20

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.008 χ^2/NDF:1503879.0/25

Out: 39.304+/-0.008 χ^2/NDF:2090153.2/28

All: 39.208+/-0.005 χ^2/NDF: 3594319.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:5.0/9

Left: -0.000+/-0.000 χ^2/NDF: 29.4/20

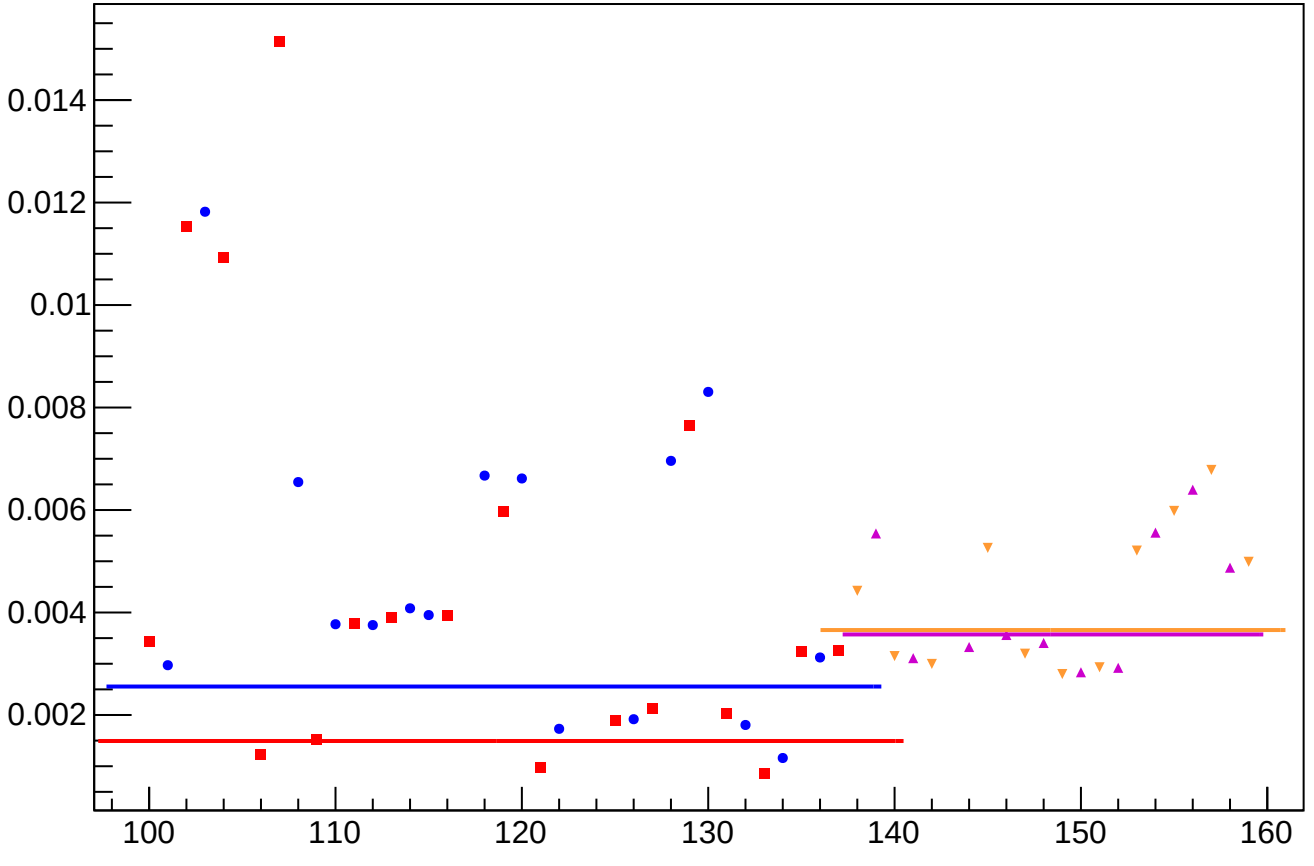
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: -0.000+/-0.000 χ^2/NDF:42.3/28

All: -0.000+/-0.000 χ^2/NDF: 71.7/54

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: 0.004+/-0.000 χ^2/NDF:1427672.4/10

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1132933.2/9

Left: 0.004+/-0.000 χ^2/NDF: 2565064.7/20

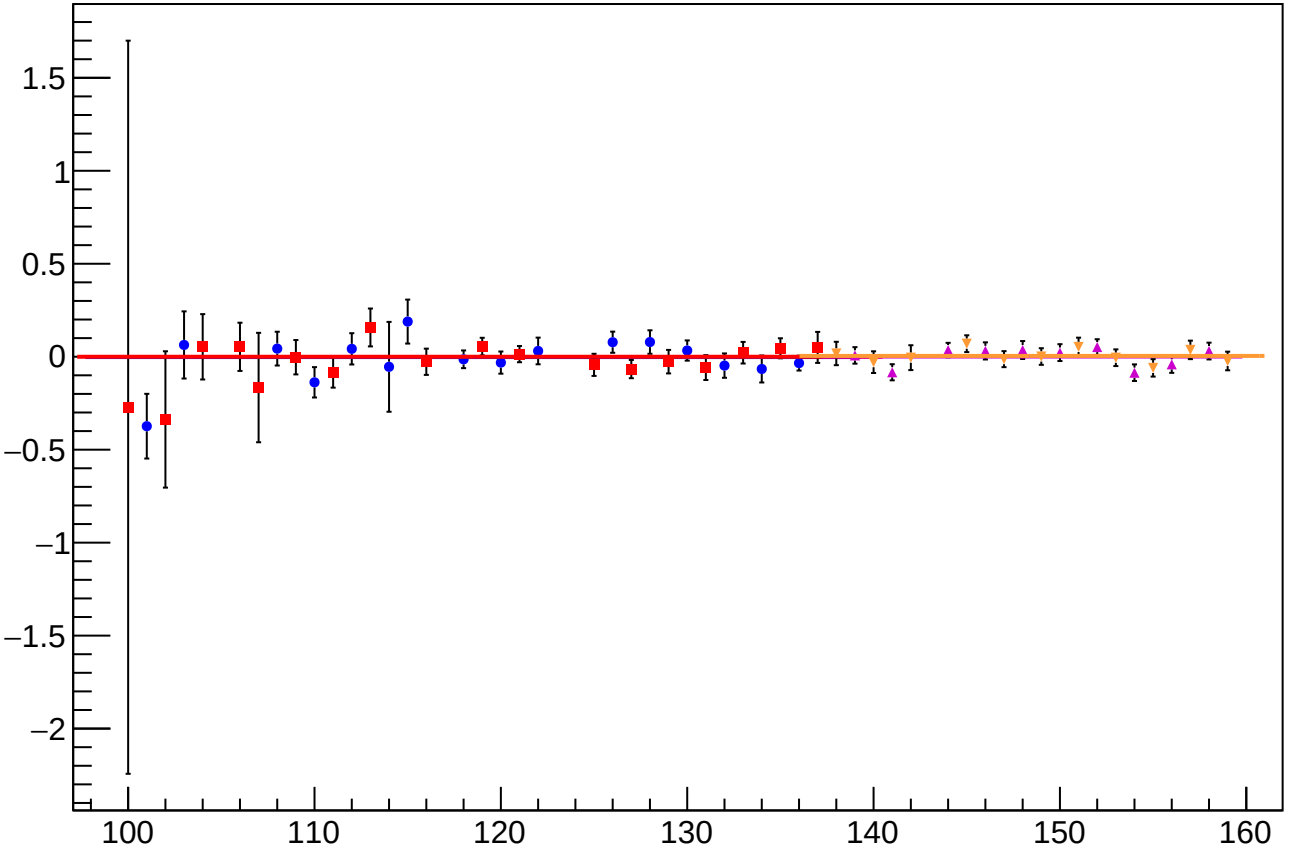
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:5625827.0/25

Out: 0.002+/-0.000 χ^2/NDF:11127448.8/28

All: 0.002+/-0.000 χ^2/NDF: 18427882.8/54

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: 0.004+/-0.015 χ^2/NDF:6.3/10

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.003+/-0.010 χ^2/NDF: 18.6/20

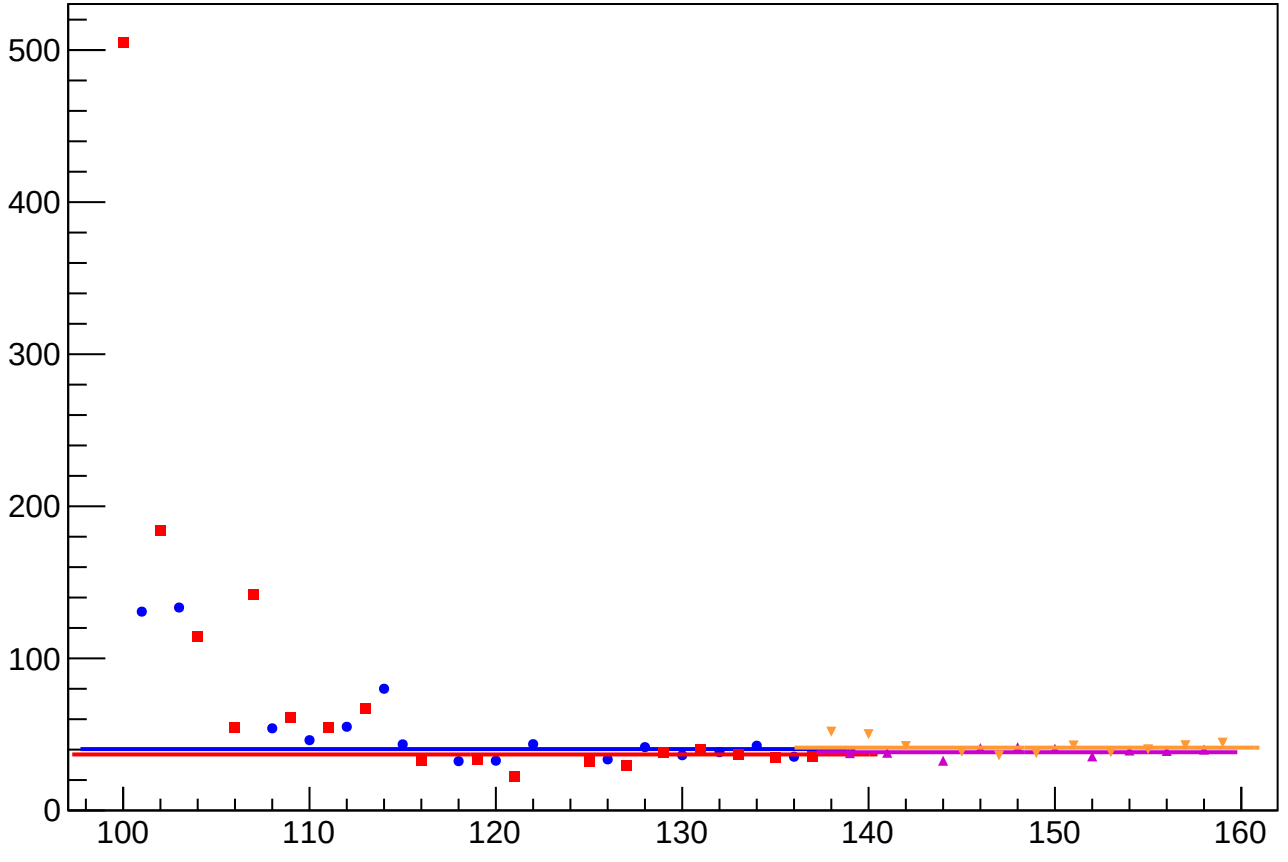
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

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: 41.305+/-0.011 χ^2/NDF:173053.7/10

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.291+/-0.010 χ^2/NDF:76309.3/9

Left: 39.695+/-0.007 χ^2/NDF: 292651.5/20

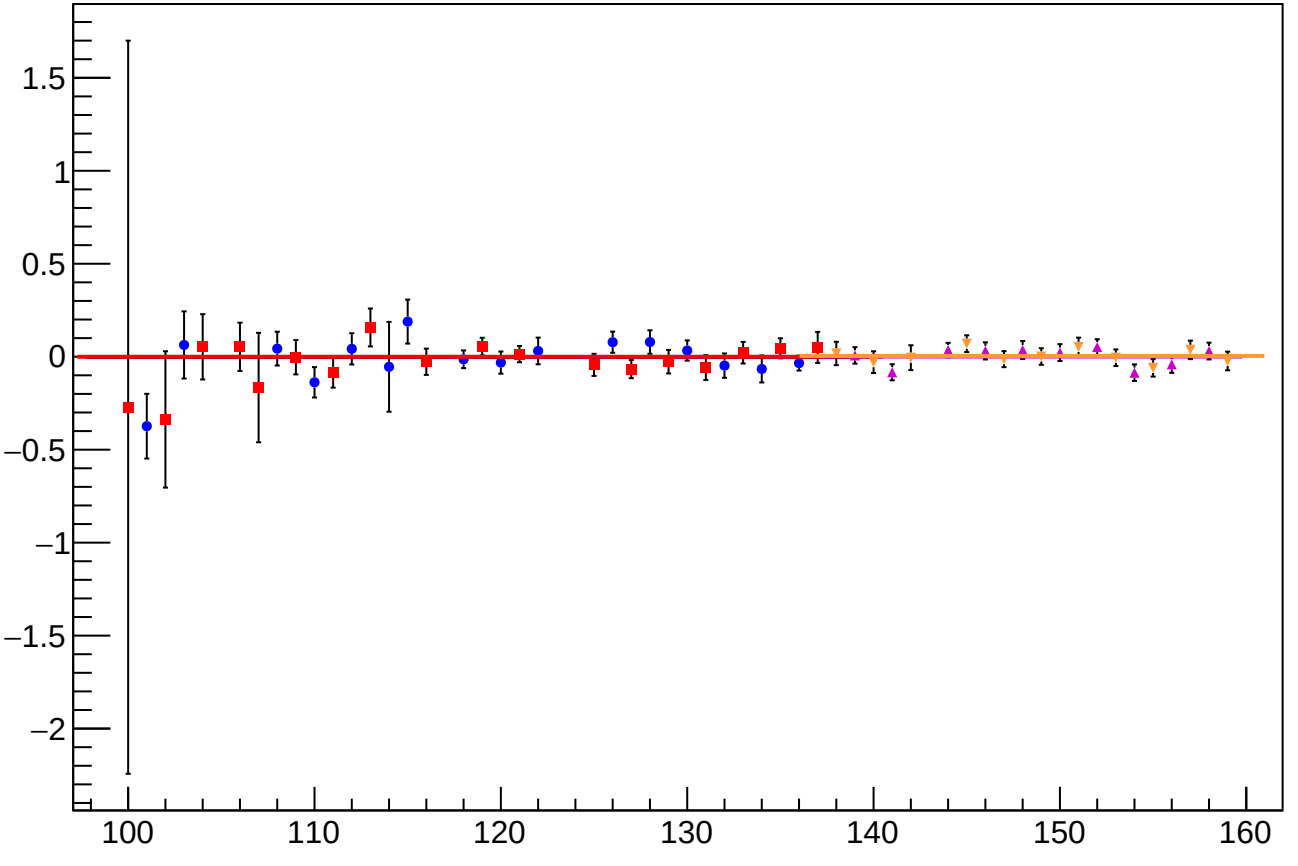
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.008 χ^2/NDF:1503780.1/25

Out: 39.303+/-0.008 χ^2/NDF:2090184.0/28

All: 39.208+/-0.005 χ^2/NDF: 3594249.4/54

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: 0.004+/-0.015 χ^2/NDF:6.3/10

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.003+/-0.010 χ^2/NDF: 18.6/20

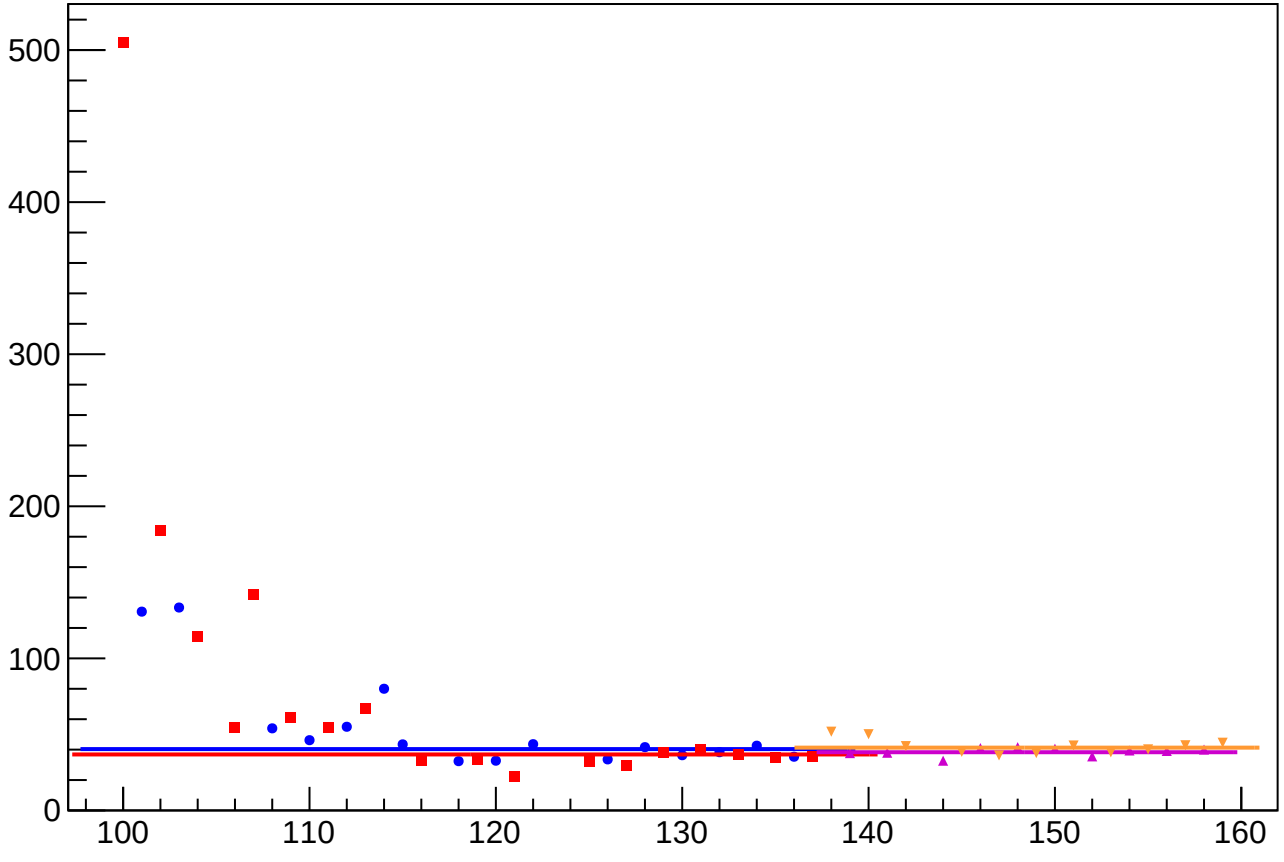
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

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: 41.305+/-0.011 χ^2/NDF:173053.7/10

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.291+/-0.010 χ^2/NDF:76309.3/9

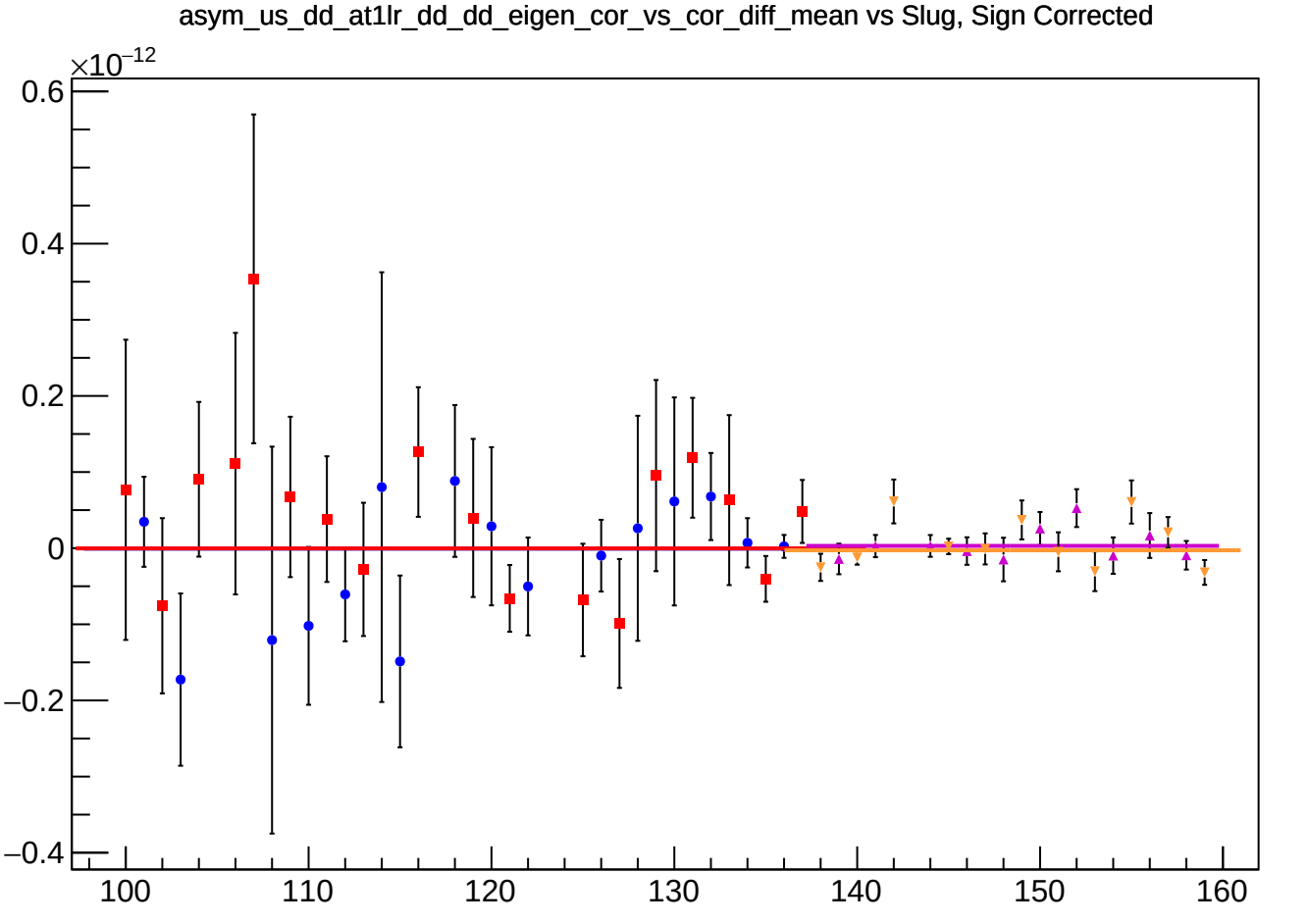
Left: 39.695+/-0.007 χ^2/NDF: 292651.5/20

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.008 χ^2/NDF:1503780.1/25

Out: 39.303+/-0.008 χ^2/NDF:2090184.0/28

All: 39.208+/-0.005 χ^2/NDF: 3594249.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/9

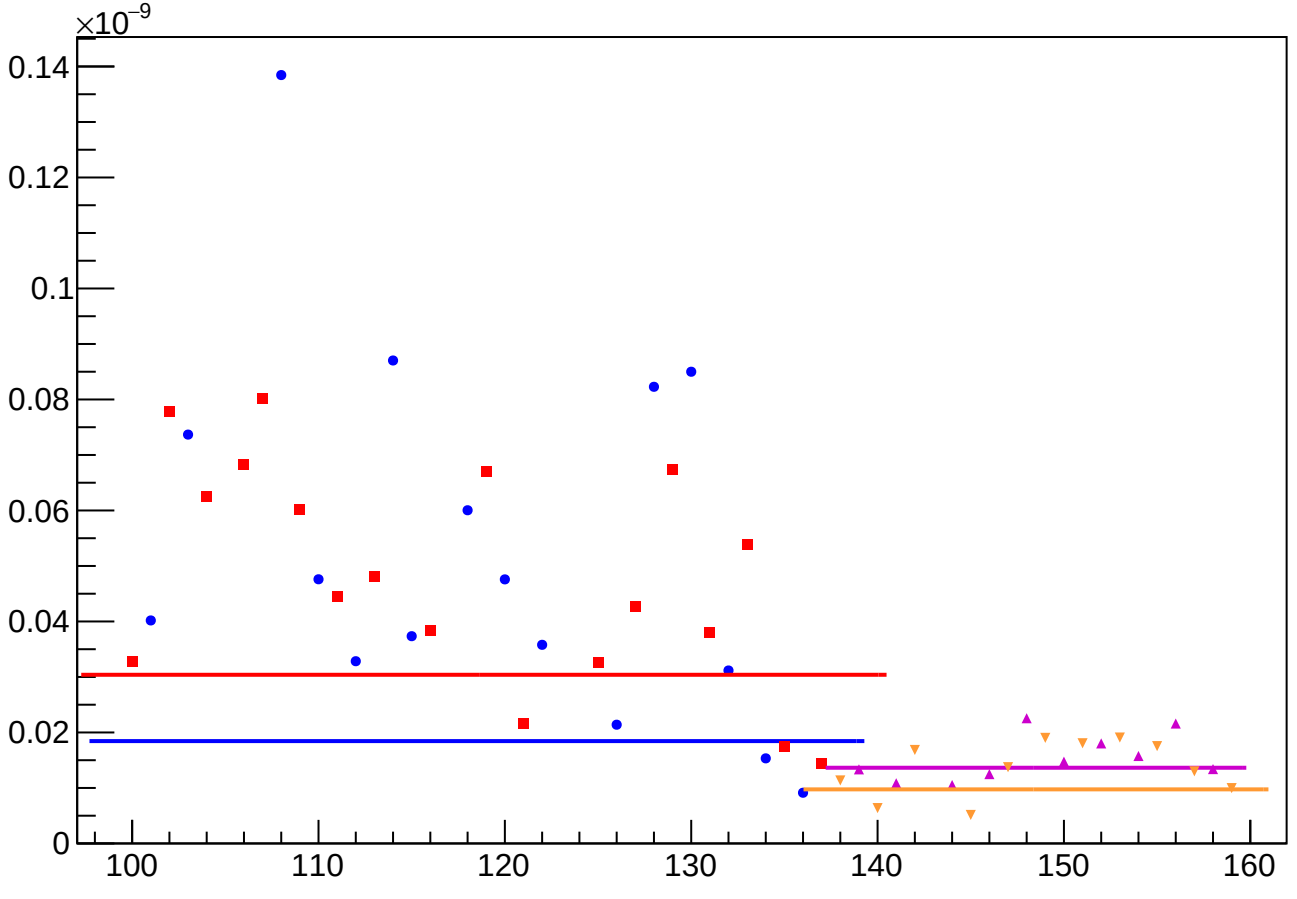
Left: -0.000+/-0.000 χ^2/NDF: 28.7/20

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/25

Out: -0.000+/-0.000 χ^2/NDF:39.3/28

All: -0.000+/-0.000 χ^2/NDF: 57.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1816153.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:600447.2/9

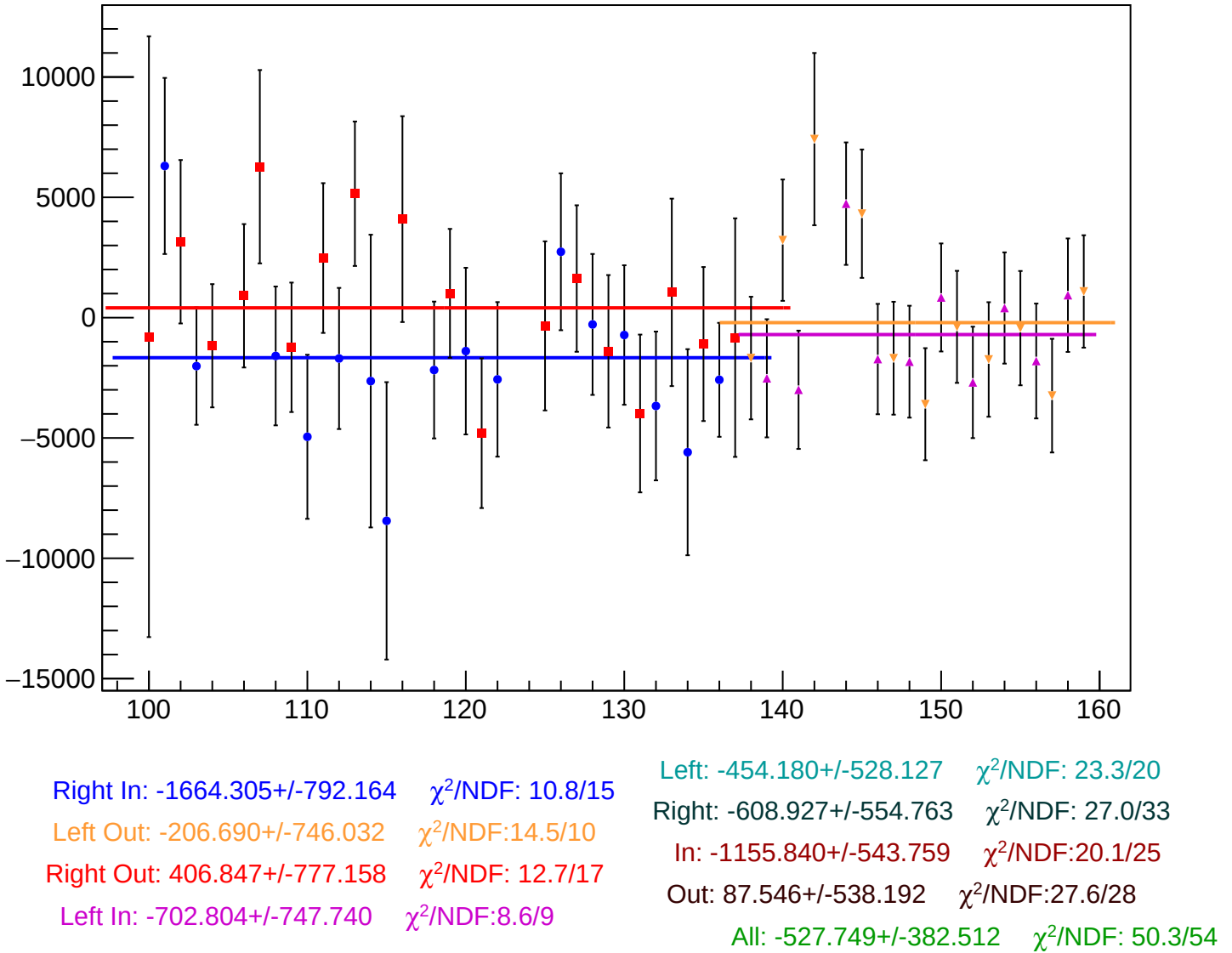
Left: 0.000+/-0.000 χ^2/NDF: 2891362.8/20

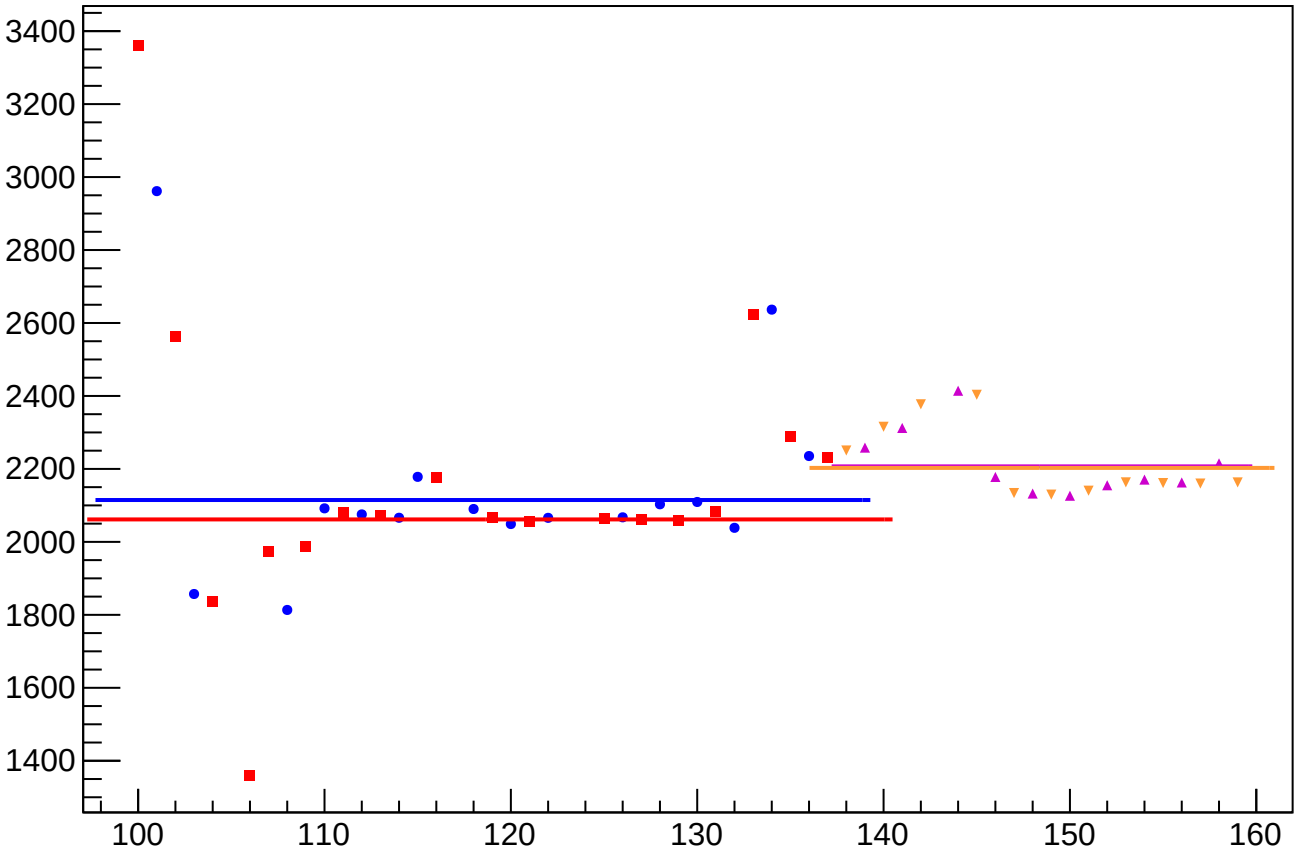
Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4891063.1/25

Out: 0.000+/-0.000 χ^2/NDF:7081755.0/28

All: 0.000+/-0.000 χ^2/NDF: 12362906.1/54


reg_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: -206.690+/-746.032 χ²/NDF:14.5/10
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -702.804+/-747.740 χ²/NDF:8.6/9
Left: -454.180+/-528.127 χ²/NDF: 23.3/20
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -1155.840+/-543.759 χ²/NDF:20.1/25
Out: 87.546+/-538.192 χ²/NDF:27.6/28
All: -527.749+/-382.512 χ²/NDF: 50.3/54



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2202.771+/-0.528 χ^2/NDF:28281.9/10

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

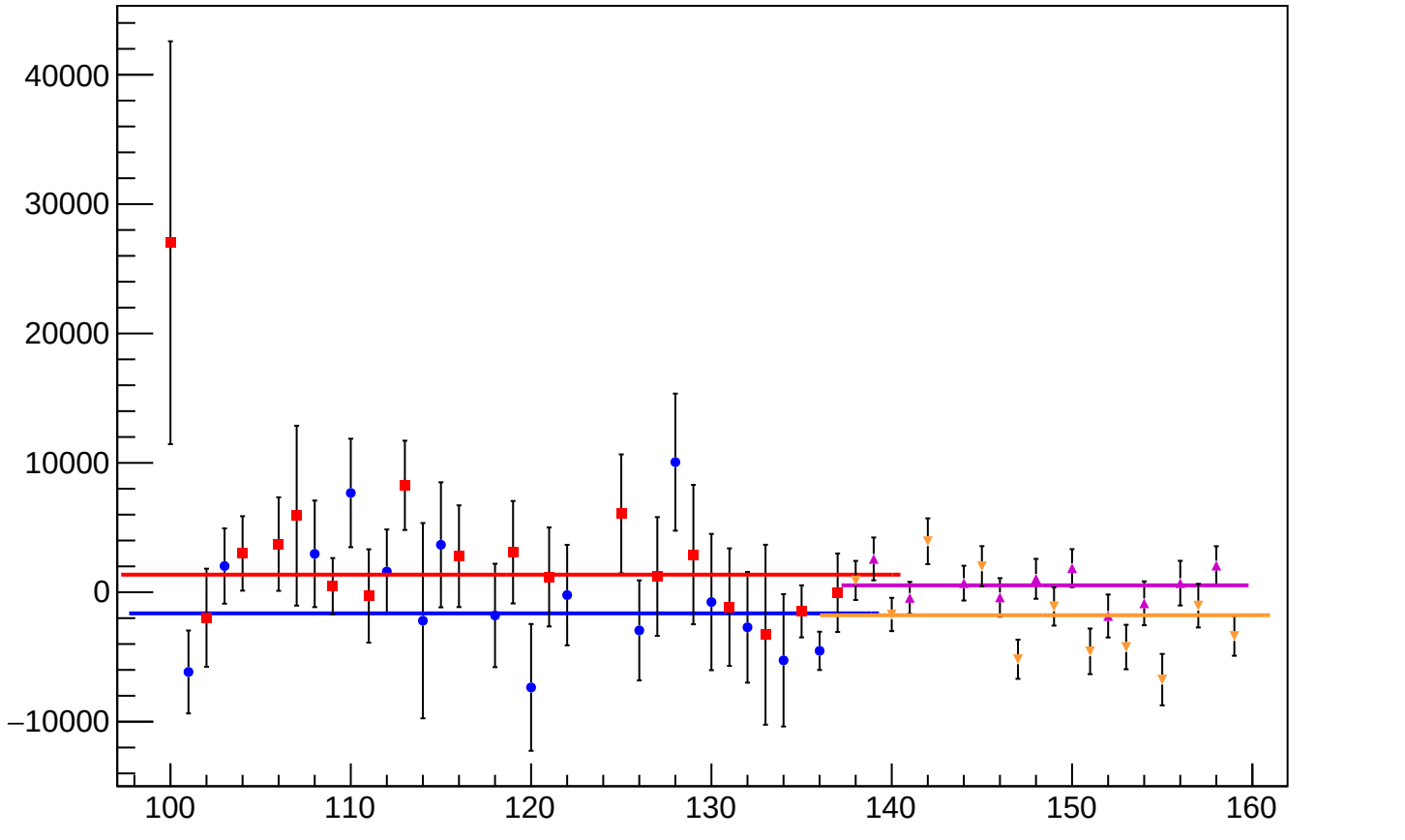
Left: 2204.885+/-0.373 χ^2/NDF: 53285.8/20

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2163.540+/-0.384 χ^2/NDF:229236.2/25

Out: 2135.050+/-0.381 χ^2/NDF:311833.3/28

All: 2149.148+/-0.270 χ^2/NDF: 543843.0/54



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1774.597+/-478.745 χ^2/NDF:36.9/10

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 535.738+/-476.703 χ^2/NDF:7.2/9

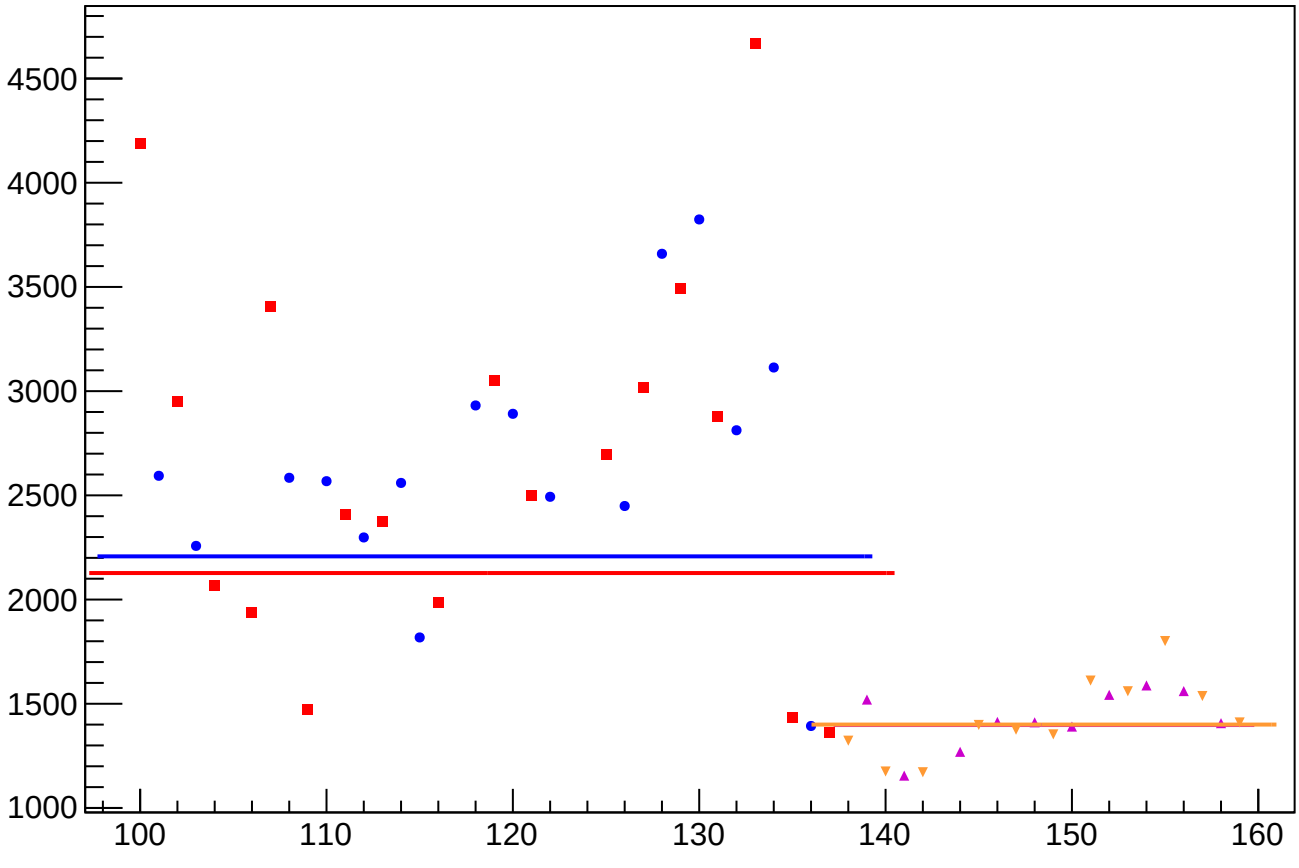
Left: -614.493+/-337.800 χ^2/NDF: 55.8/20

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 28.777+/-417.209 χ^2/NDF:34.9/25

Out: -1006.171+/-415.985 χ^2/NDF:60.9/28

All: -490.217+/-294.578 χ^2/NDF: 98.9/54



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1400.140+/-0.339 χ^2/NDF:243209.7/10

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1397.928+/-0.337 χ^2/NDF:165257.8/9

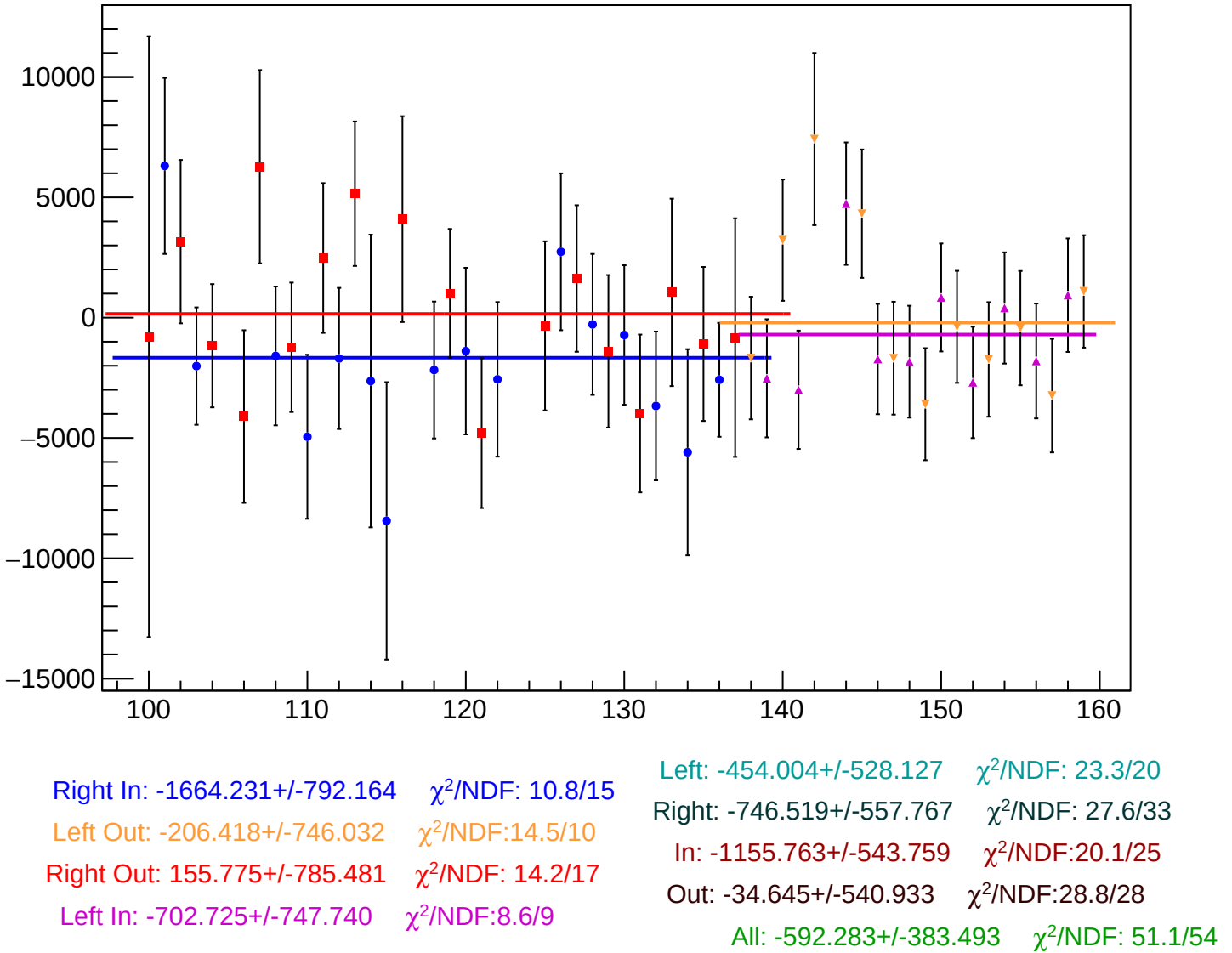
Left: 1399.029+/-0.239 χ^2/NDF: 408489.0/20

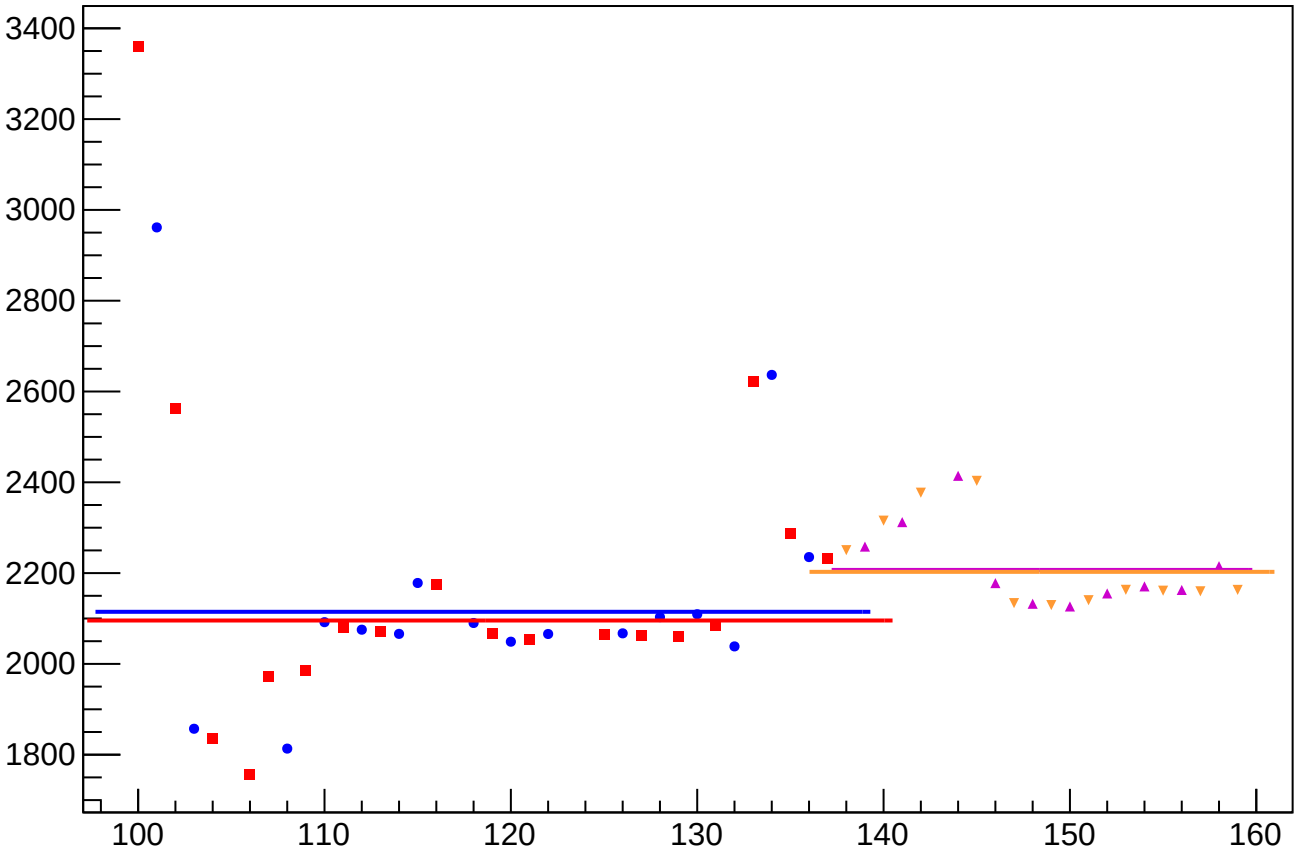
Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1587.335+/-0.295 χ^2/NDF:2763654.8/25

Out: 1578.276+/-0.294 χ^2/NDF:2831458.4/28

All: 1582.792+/-0.208 χ^2/NDF: 5595586.1/54


cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -206.418+/-746.032 χ²/NDF:14.5/10
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -702.725+/-747.740 χ²/NDF:8.6/9
Left: -454.004+/-528.127 χ²/NDF: 23.3/20
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1155.763+/-543.759 χ²/NDF:20.1/25
Out: -34.645+/-540.933 χ²/NDF:28.8/28
All: -592.283+/-383.493 χ²/NDF: 51.1/54



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2202.771+/-0.528 χ^2/NDF:28281.9/10

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

Left: 2204.885+/-0.373 χ^2/NDF: 53285.8/20

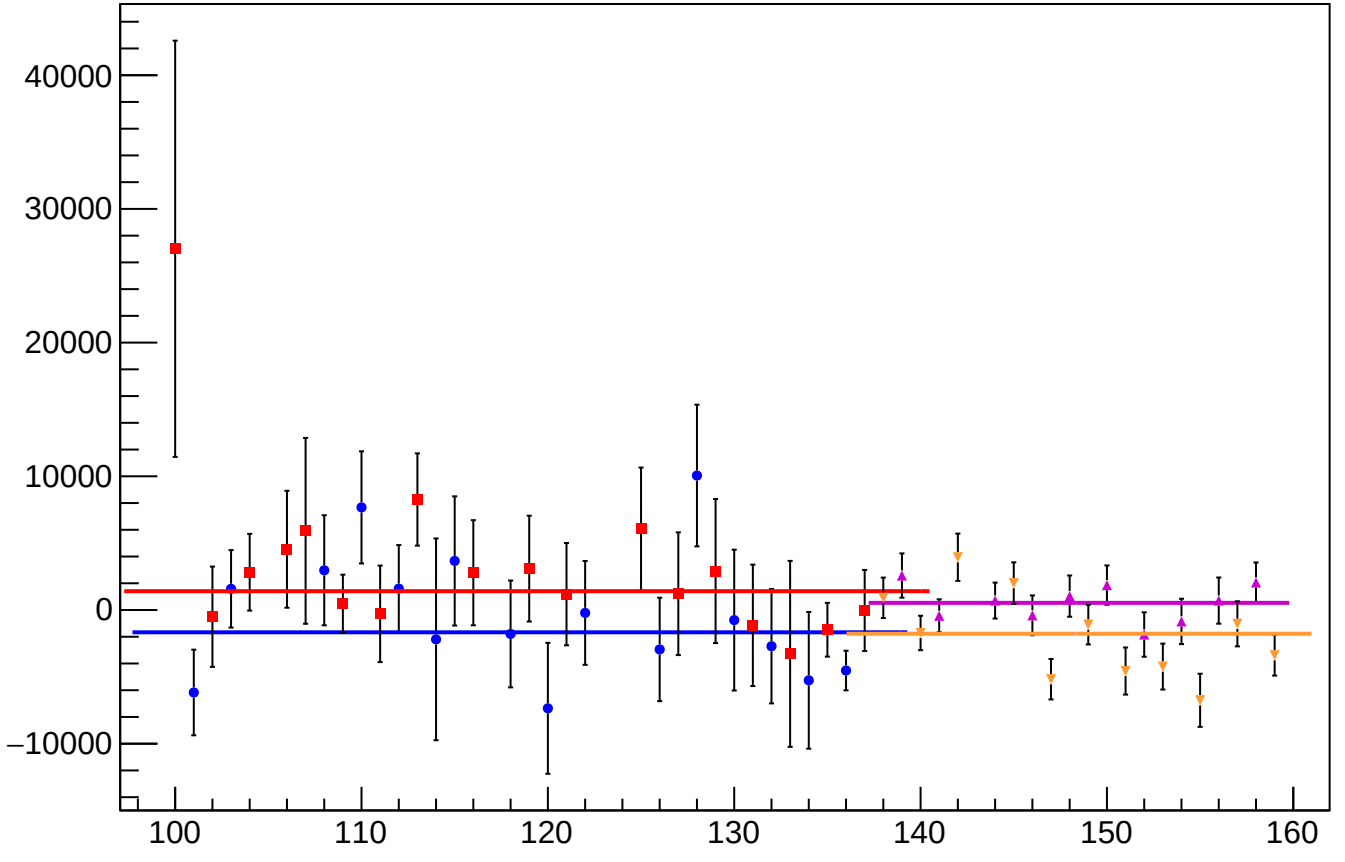
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2163.540+/-0.384 χ^2/NDF:229236.6/25

Out: 2151.943+/-0.382 χ^2/NDF:197218.1/28

All: 2157.711+/-0.271 χ^2/NDF: 426911.9/54

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: -1774.507+/-478.748 χ^2/NDF:36.9/10

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 535.673+/-476.703 χ^2/NDF:7.2/9

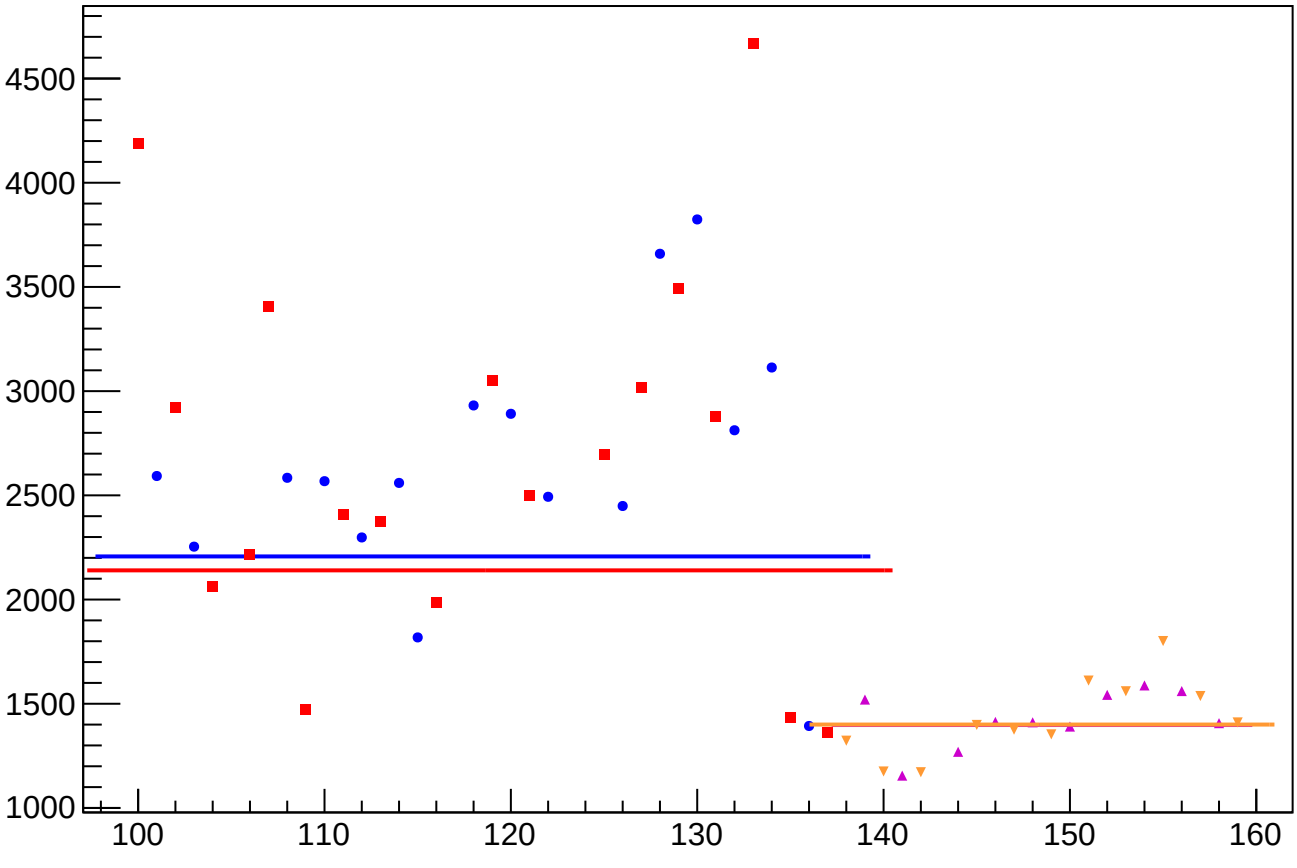
Left: -614.473+/-337.801 χ^2/NDF: 55.8/20

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 19.566+/-417.176 χ^2/NDF:34.7/25

Out: -1004.036+/-416.787 χ^2/NDF:60.6/28

All: -492.713+/-294.850 χ^2/NDF: 98.3/54



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1400.153+/-0.339 χ^2/NDF:243153.4/10

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

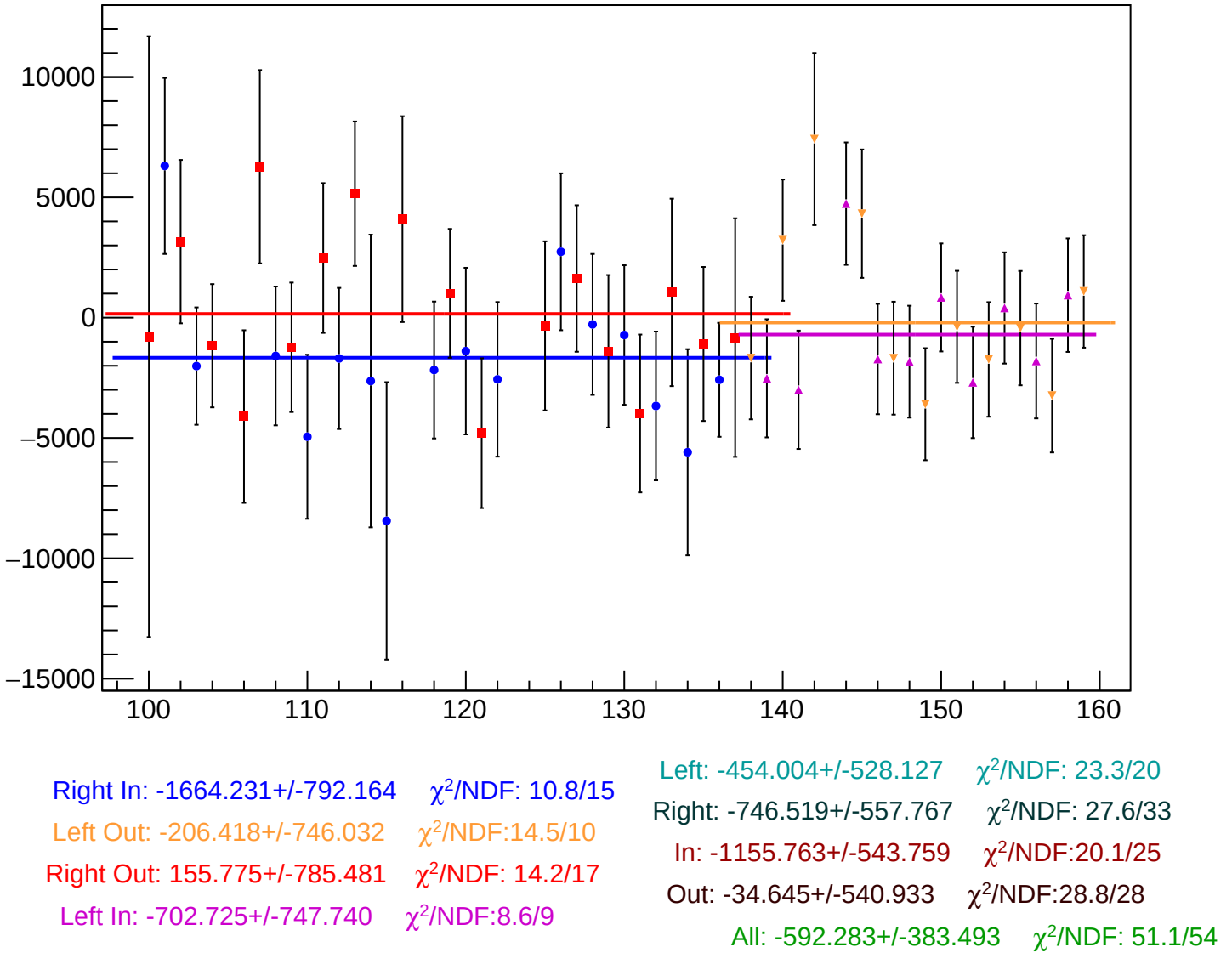
Left: 1399.035+/-0.239 χ^2/NDF: 408471.5/20

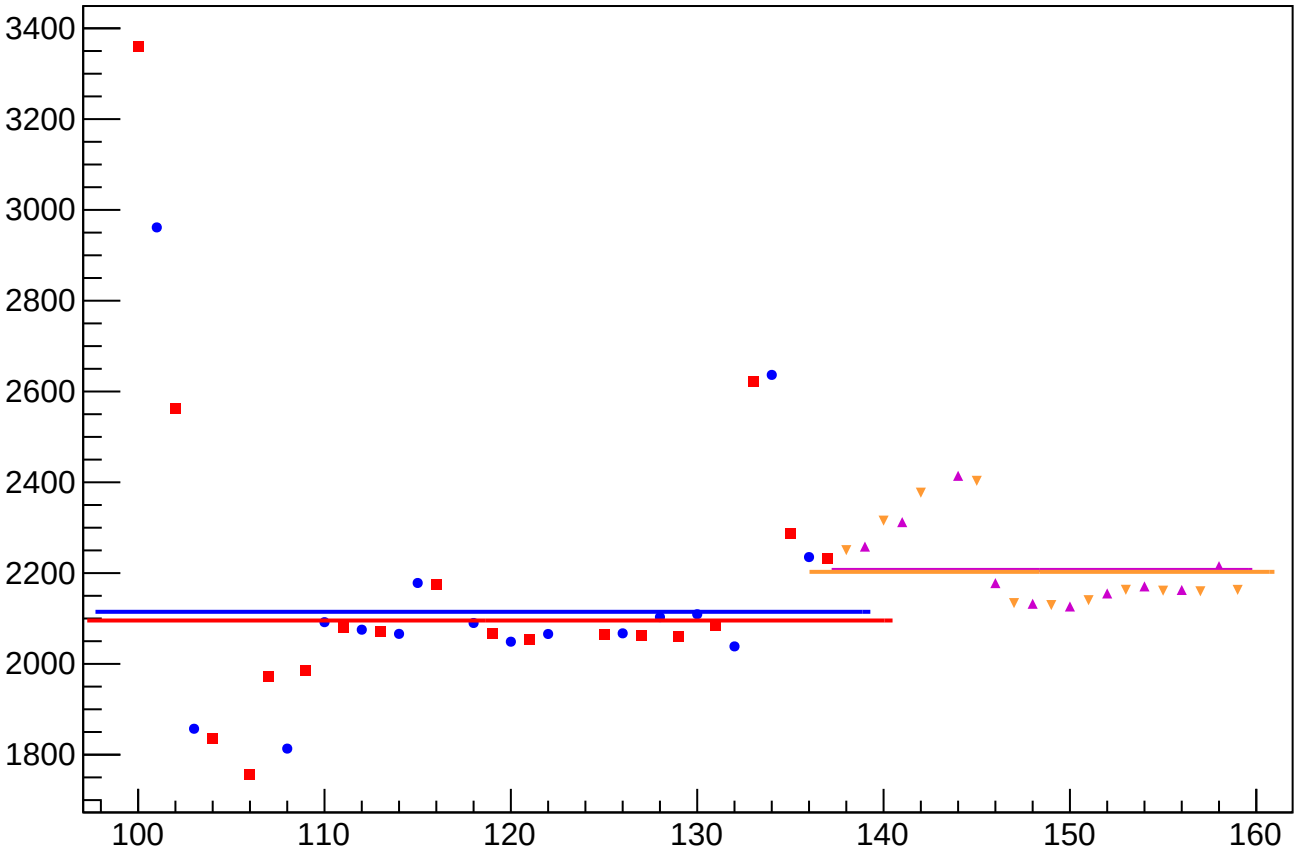
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1587.353+/-0.295 χ^2/NDF:2763033.2/25

Out: 1579.282+/-0.295 χ^2/NDF:2848060.7/28

All: 1583.314+/-0.208 χ^2/NDF: 5611468.5/54


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -206.418+/-746.032 χ²/NDF:14.5/10
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -702.725+/-747.740 χ²/NDF:8.6/9
Left: -454.004+/-528.127 χ²/NDF: 23.3/20
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1155.763+/-543.759 χ²/NDF:20.1/25
Out: -34.645+/-540.933 χ²/NDF:28.8/28
All: -592.283+/-383.493 χ²/NDF: 51.1/54



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2202.771+/-0.528 χ^2/NDF:28281.9/10

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

Left: 2204.885+/-0.373 χ^2/NDF: 53285.8/20

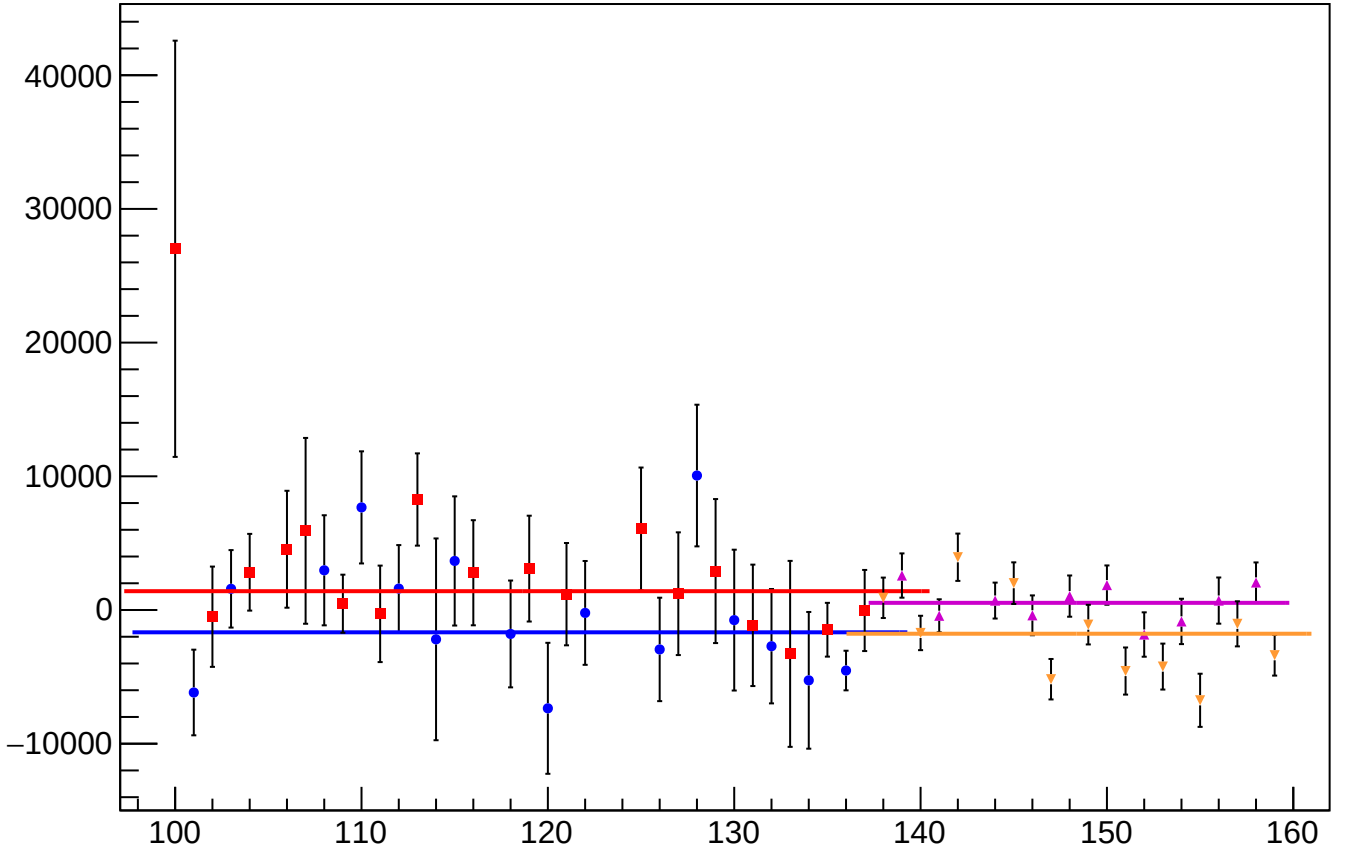
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2163.540+/-0.384 χ^2/NDF:229236.6/25

Out: 2151.943+/-0.382 χ^2/NDF:197218.1/28

All: 2157.711+/-0.271 χ^2/NDF: 426911.9/54

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: -1774.507+/-478.748 χ^2/NDF:36.9/10

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 535.673+/-476.703 χ^2/NDF:7.2/9

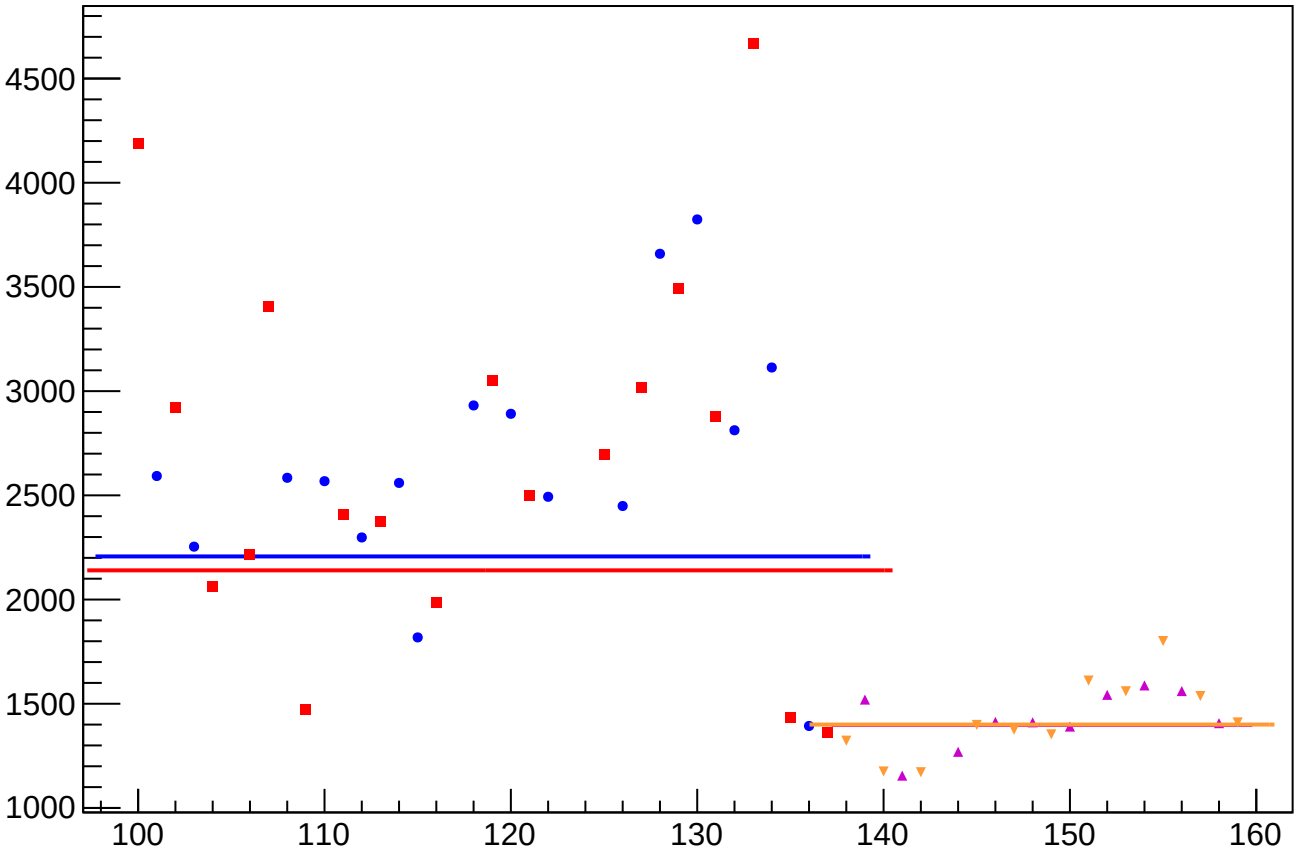
Left: -614.473+/-337.801 χ^2/NDF: 55.8/20

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 19.566+/-417.176 χ^2/NDF:34.7/25

Out: -1004.036+/-416.787 χ^2/NDF:60.6/28

All: -492.713+/-294.850 χ^2/NDF: 98.3/54



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1400.153+/-0.339 χ^2/NDF:243153.4/10

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

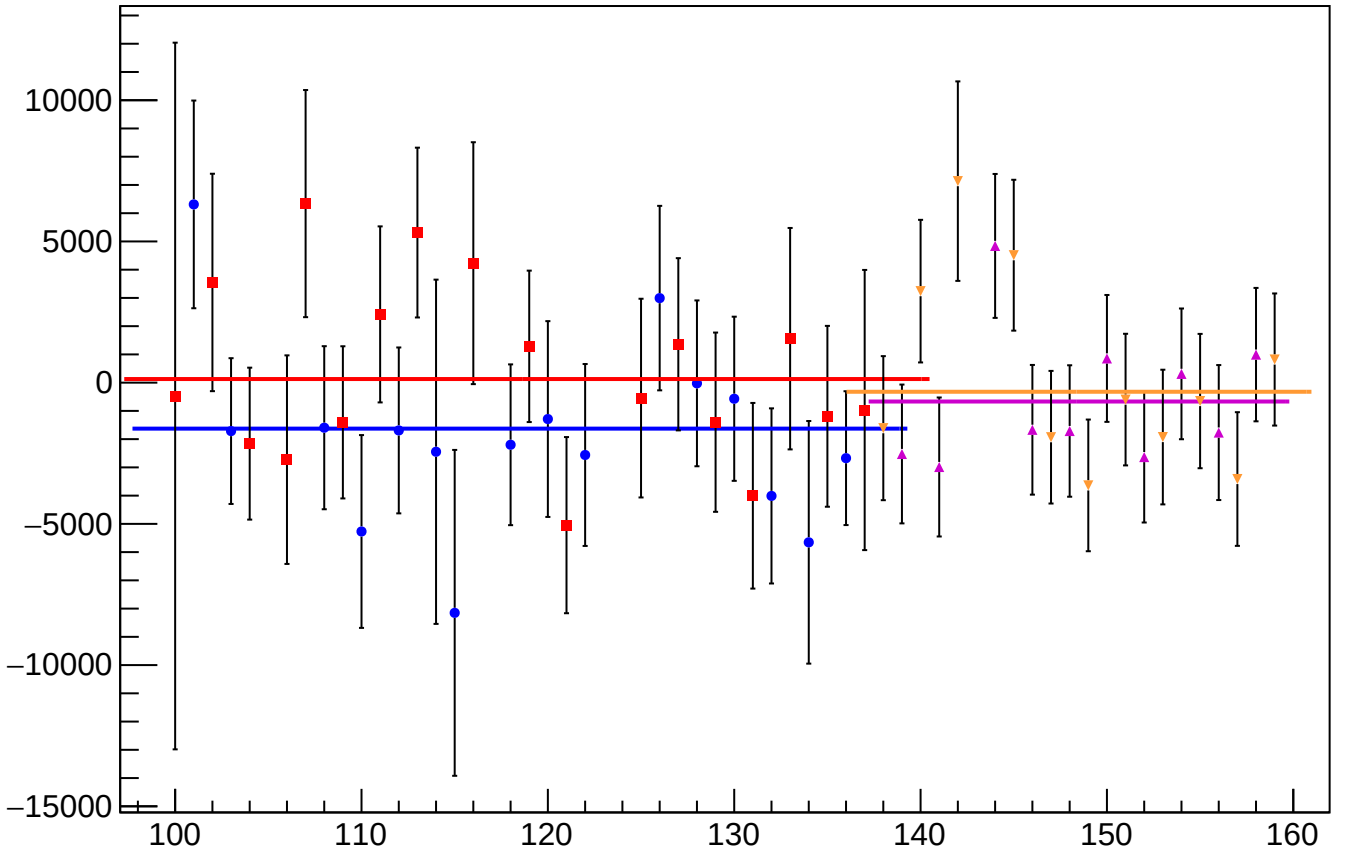
Left: 1399.035+/-0.239 χ^2/NDF: 408471.5/20

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1587.353+/-0.295 χ^2/NDF:2763033.2/25

Out: 1579.282+/-0.295 χ^2/NDF:2848060.7/28

All: 1583.314+/-0.208 χ^2/NDF: 5611468.5/54



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -322.253+/-746.455 χ^2/NDF:14.9/10

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -667.957+/-748.564 χ^2/NDF:8.6/9

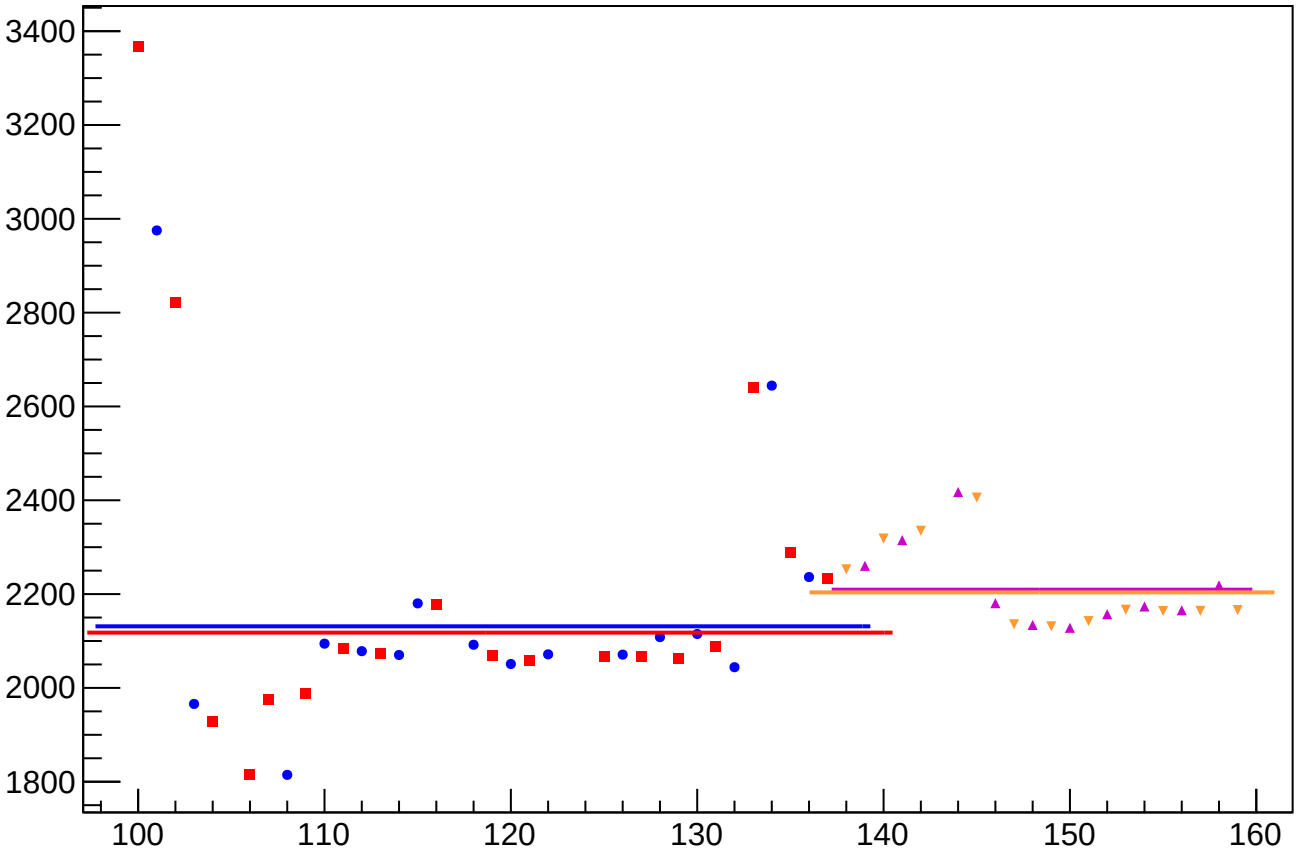
Left: -494.617+/-528.567 χ^2/NDF: 23.6/20

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1117.171+/-545.945 χ^2/NDF:20.7/25

Out: -111.499+/-544.464 χ^2/NDF:29.6/28

All: -612.970+/-385.517 χ^2/NDF: 52.0/54



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2203.648+/-0.528 χ^2/NDF:26195.8/10

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.6/9

Left: 2206.528+/-0.374 χ^2/NDF: 51370.2/20

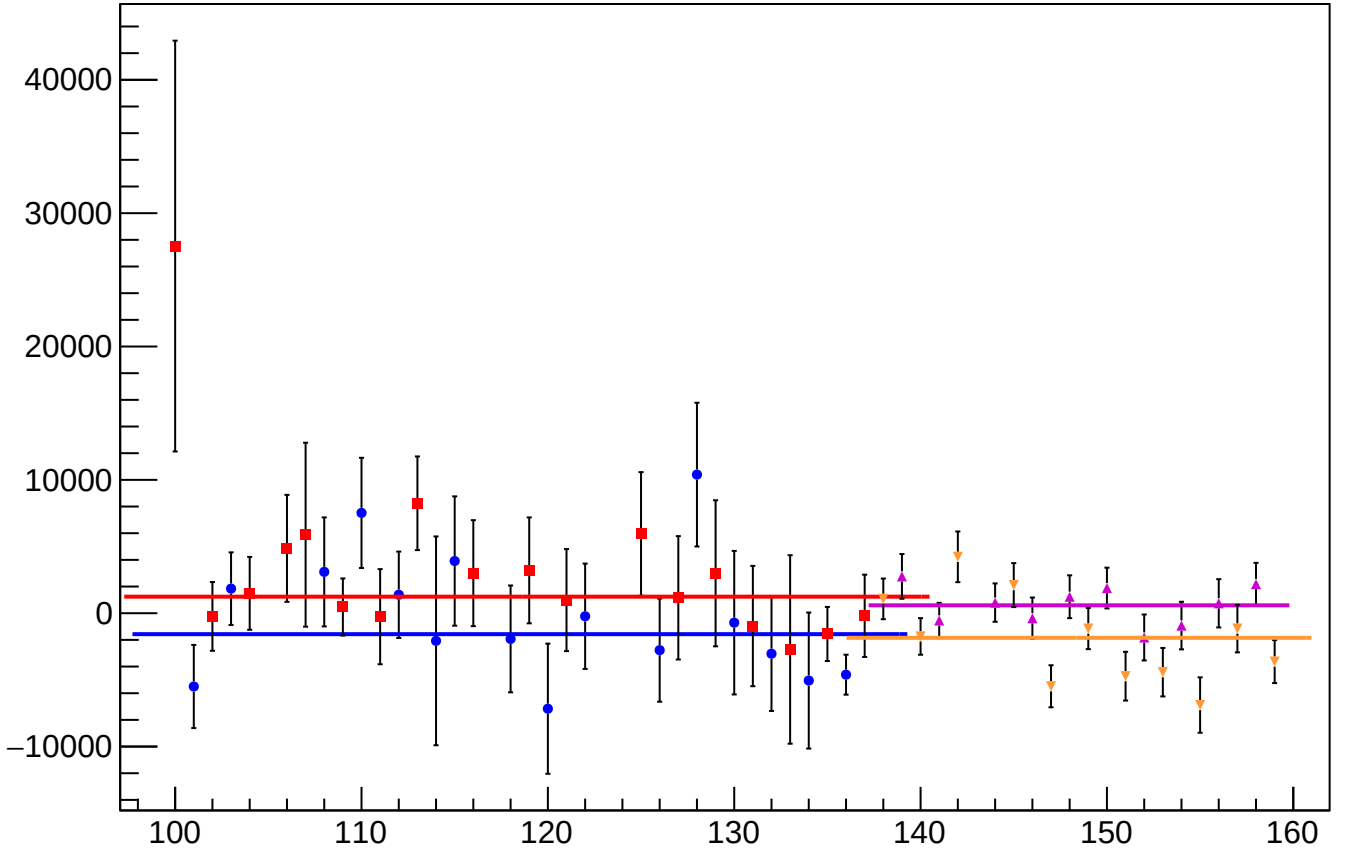
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2172.854+/-0.386 χ^2/NDF:211255.3/25

Out: 2163.505+/-0.385 χ^2/NDF:202178.7/28

All: 2168.167+/-0.273 χ^2/NDF: 413728.1/54

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: -1844.740+/-502.483 χ^2/NDF:36.9/10

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 591.925+/-500.480 χ^2/NDF:7.4/9

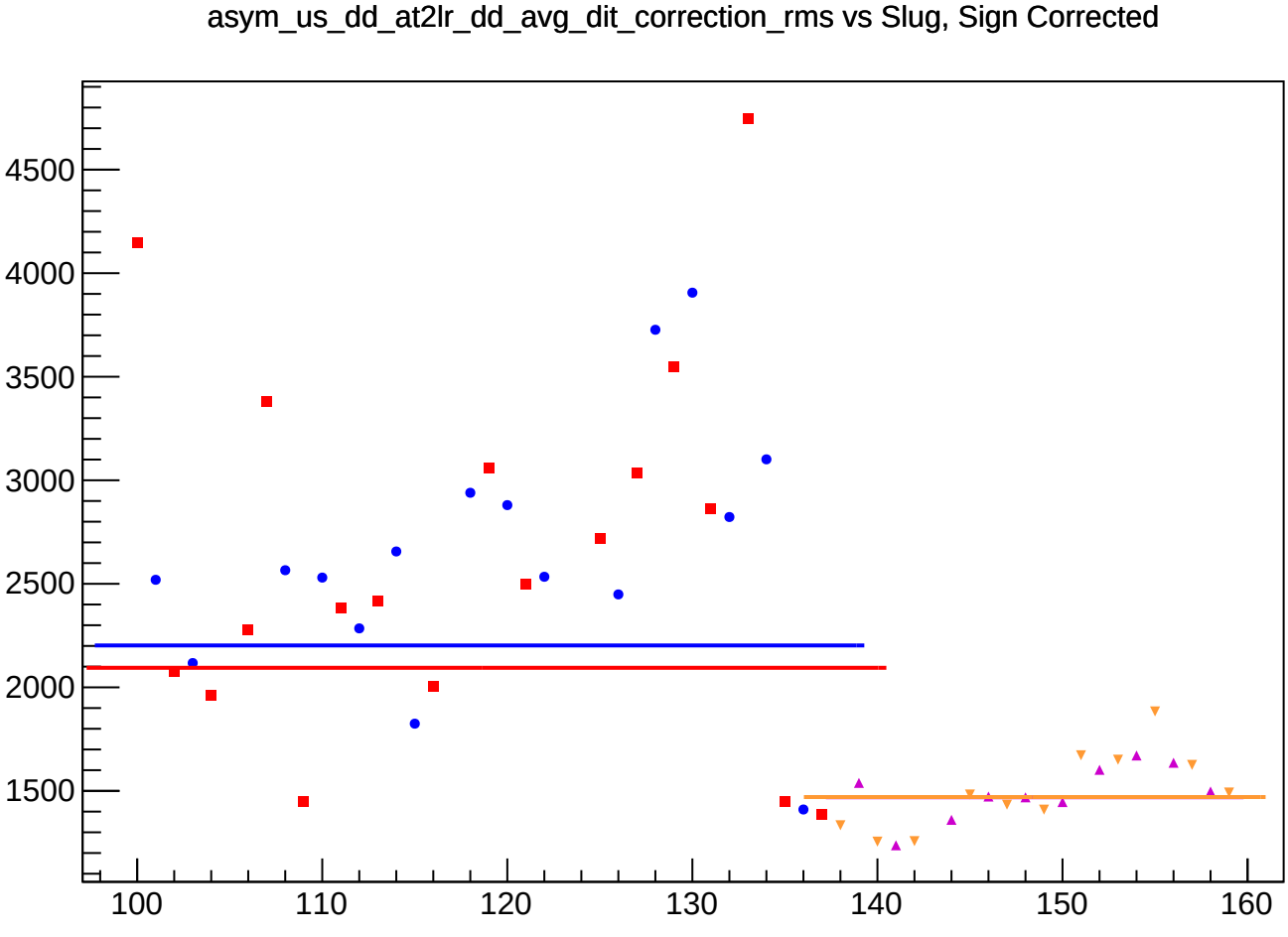
Left: -621.542+/-354.599 χ^2/NDF: 56.1/20

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 44.474+/-432.532 χ^2/NDF:34.7/25

Out: -1002.014+/-428.408 χ^2/NDF:60.3/28

All: -483.783+/-304.378 χ^2/NDF: 97.9/54



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1470.288+/-0.355 χ^2/NDF:233297.0/10

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1469.307+/-0.354 χ^2/NDF:132070.5/9

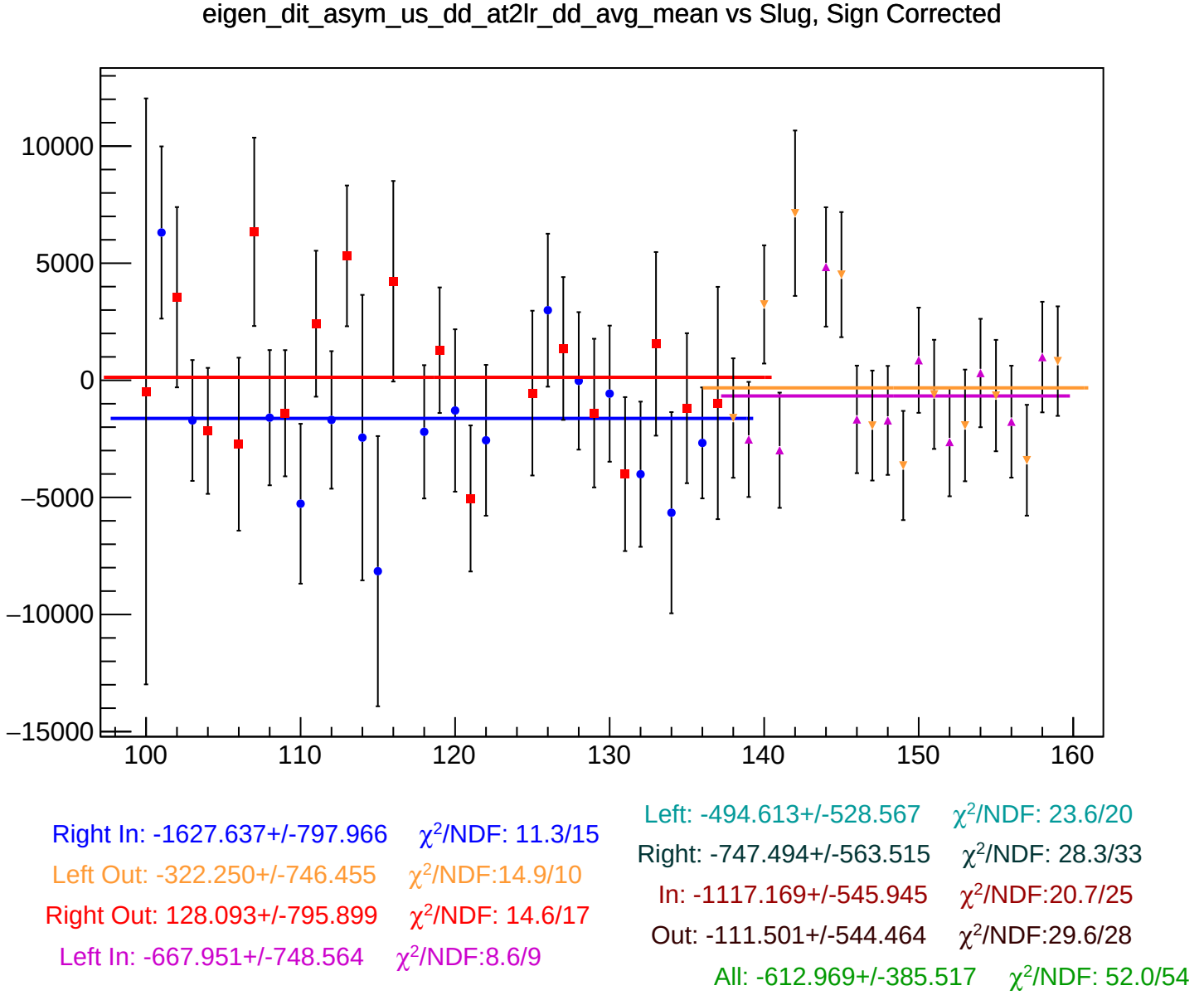
Left: 1469.796+/-0.251 χ^2/NDF: 365371.3/20

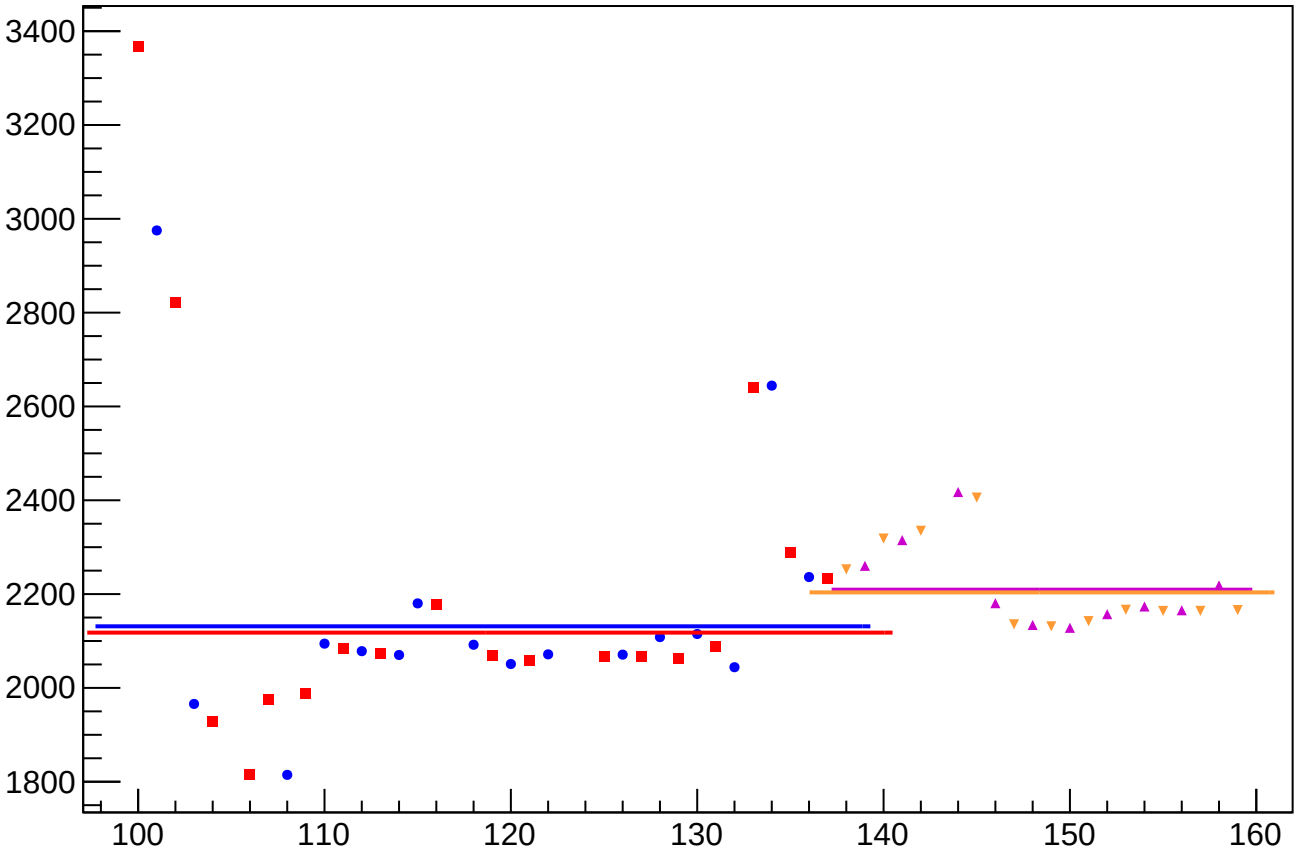
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1654.846+/-0.306 χ^2/NDF:2441057.2/25

Out: 1640.747+/-0.303 χ^2/NDF:2449728.2/28

All: 1647.729+/-0.215 χ^2/NDF: 4891858.1/54


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
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -322.250+/-746.455 χ²/NDF:14.9/10
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -667.951+/-748.564 χ²/NDF:8.6/9
Left: -494.613+/-528.567 χ²/NDF: 23.6/20
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1117.169+/-545.945 χ²/NDF:20.7/25
Out: -111.501+/-544.464 χ²/NDF:29.6/28
All: -612.969+/-385.517 χ²/NDF: 52.0/54



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2203.648+/-0.528 χ^2/NDF:26195.9/10

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.7/9

Left: 2206.528+/-0.374 χ^2/NDF: 51370.3/20

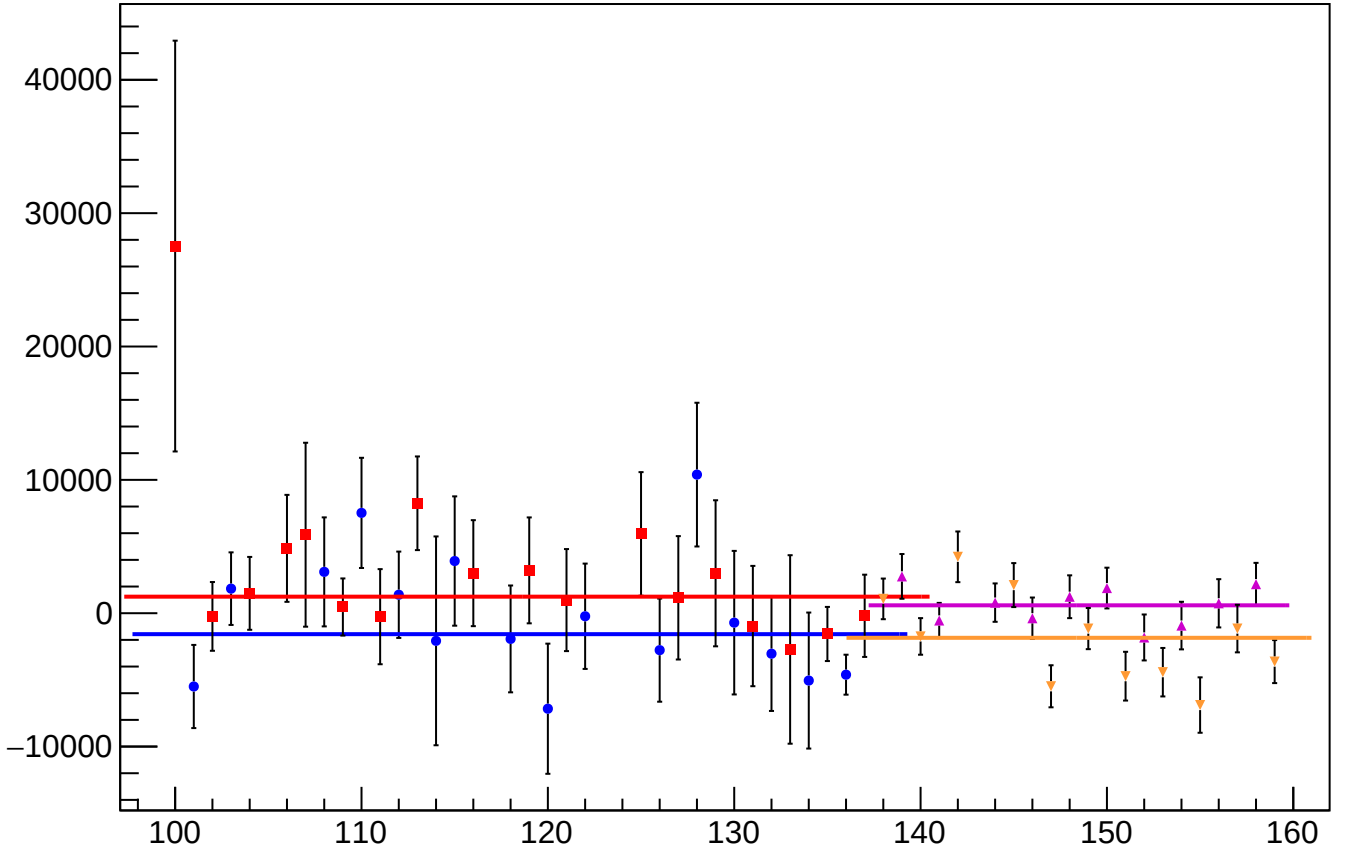
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2172.854+/-0.386 χ^2/NDF:211255.4/25

Out: 2163.505+/-0.385 χ^2/NDF:202178.7/28

All: 2168.167+/-0.273 χ^2/NDF: 413728.1/54

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: -1844.750+/-502.484 χ^2/NDF:36.9/10

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 591.923+/-500.480 χ^2/NDF:7.4/9

Left: -621.546+/-354.599 χ^2/NDF: 56.1/20

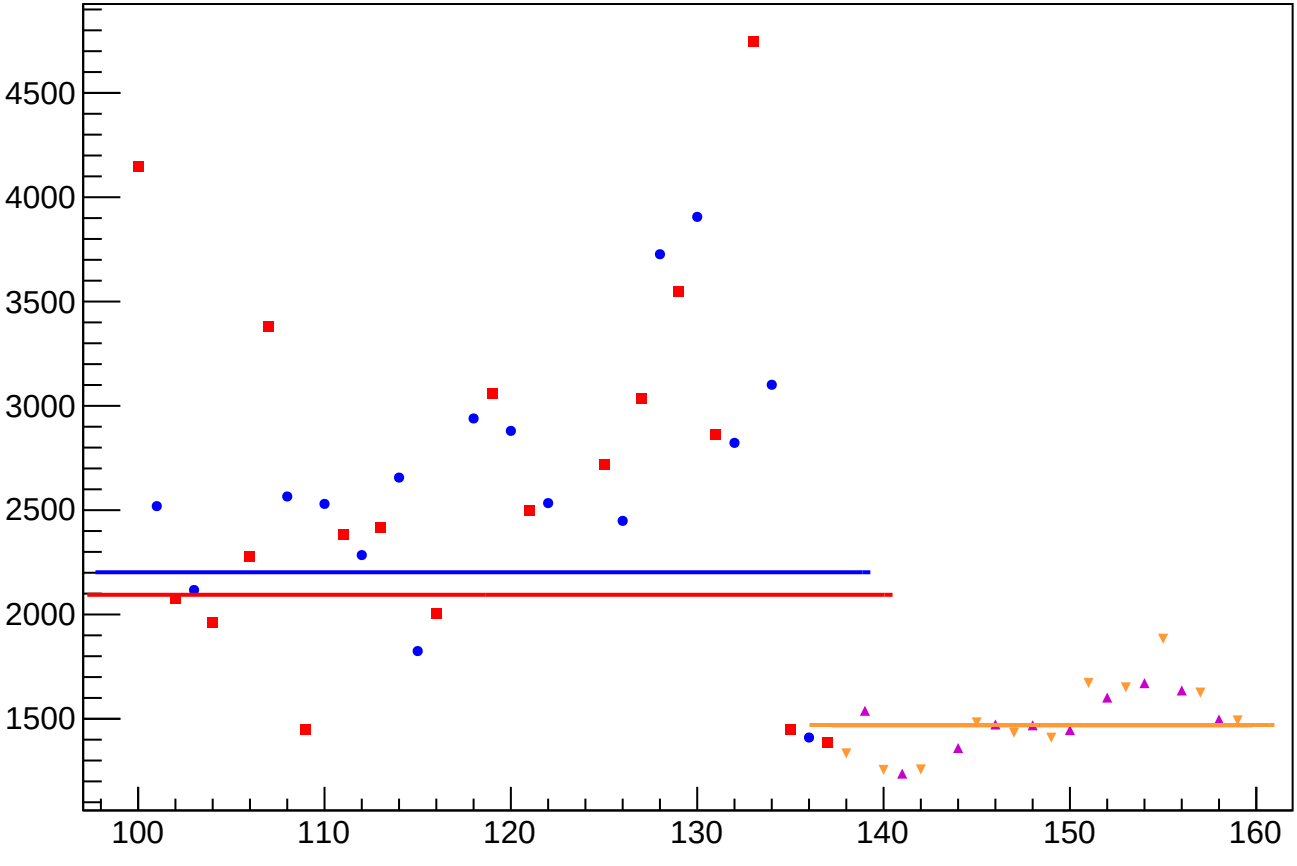
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 44.478+/-432.533 χ^2/NDF:34.7/25

Out: -1002.019+/-428.409 χ^2/NDF:60.3/28

All: -483.782+/-304.379 χ^2/NDF: 97.9/54

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: 1470.294+/-0.355 χ^2/NDF:233285.7/10

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1469.308+/-0.354 χ^2/NDF:132071.0/9

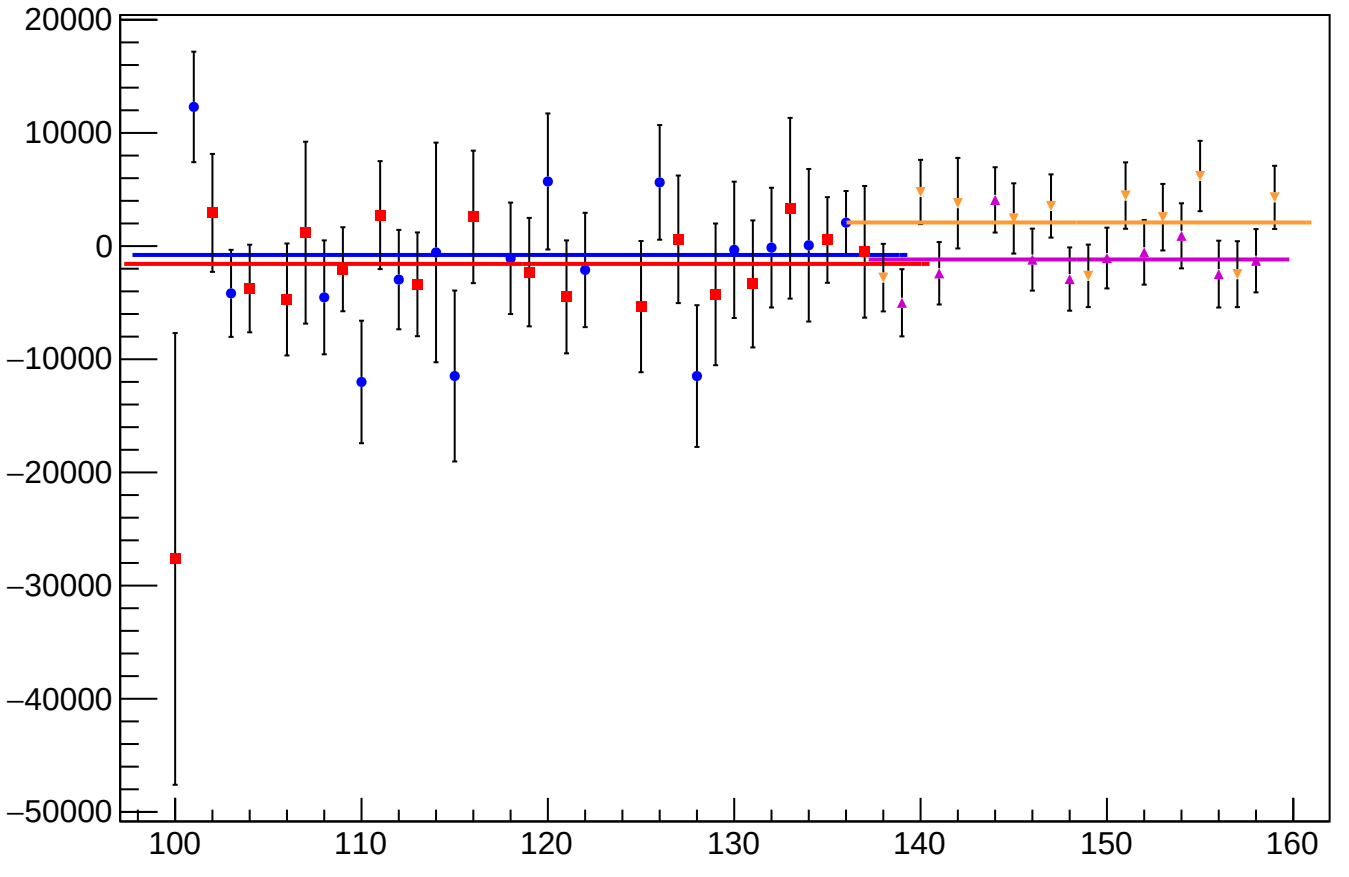
Left: 1469.799+/-0.251 χ^2/NDF: 365360.6/20

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1654.849+/-0.306 χ^2/NDF:2441023.7/25

Out: 1640.754+/-0.303 χ^2/NDF:2449682.1/28

All: 1647.734+/-0.215 χ^2/NDF: 4891778.0/54



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2087.476+/-896.894 χ^2/NDF:12.5/10

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1182.976+/-893.976 χ^2/NDF:6.3/9

Left: 446.921+/-633.165 χ^2/NDF: 25.5/20

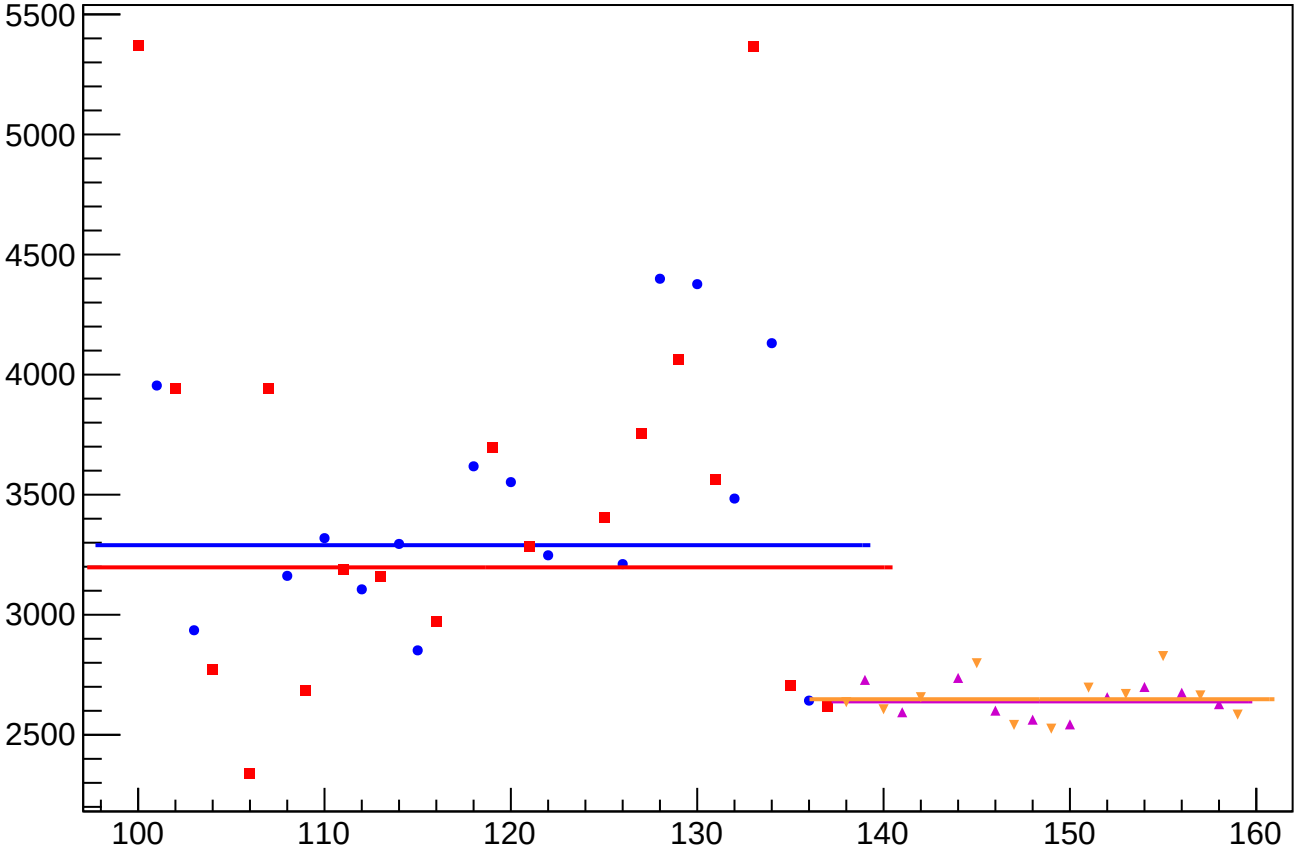
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1045.960+/-725.508 χ^2/NDF:28.3/25

Out: 801.216+/-722.414 χ^2/NDF:25.0/28

All: -118.425+/-511.914 χ^2/NDF: 56.6/54

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2648.242+/-0.634 χ^2/NDF:20444.3/10

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2639.193+/-0.632 χ^2/NDF:10347.0/9

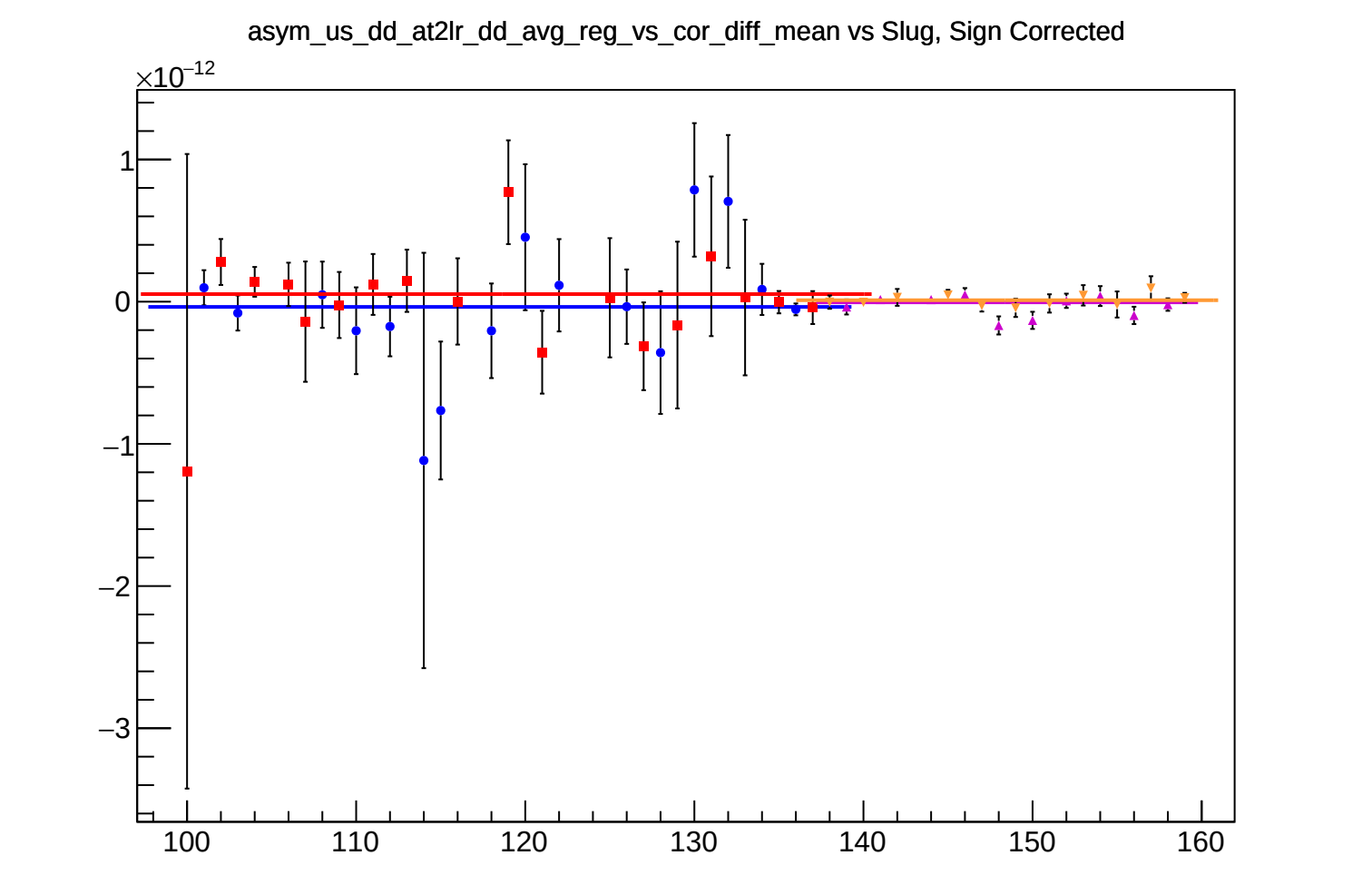
Left: 2643.703+/-0.448 χ^2/NDF: 30893.4/20

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2861.262+/-0.513 χ^2/NDF:719444.1/25

Out: 2841.118+/-0.511 χ^2/NDF:783711.0/28

All: 2851.147+/-0.362 χ^2/NDF: 1503929.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:16.9/9

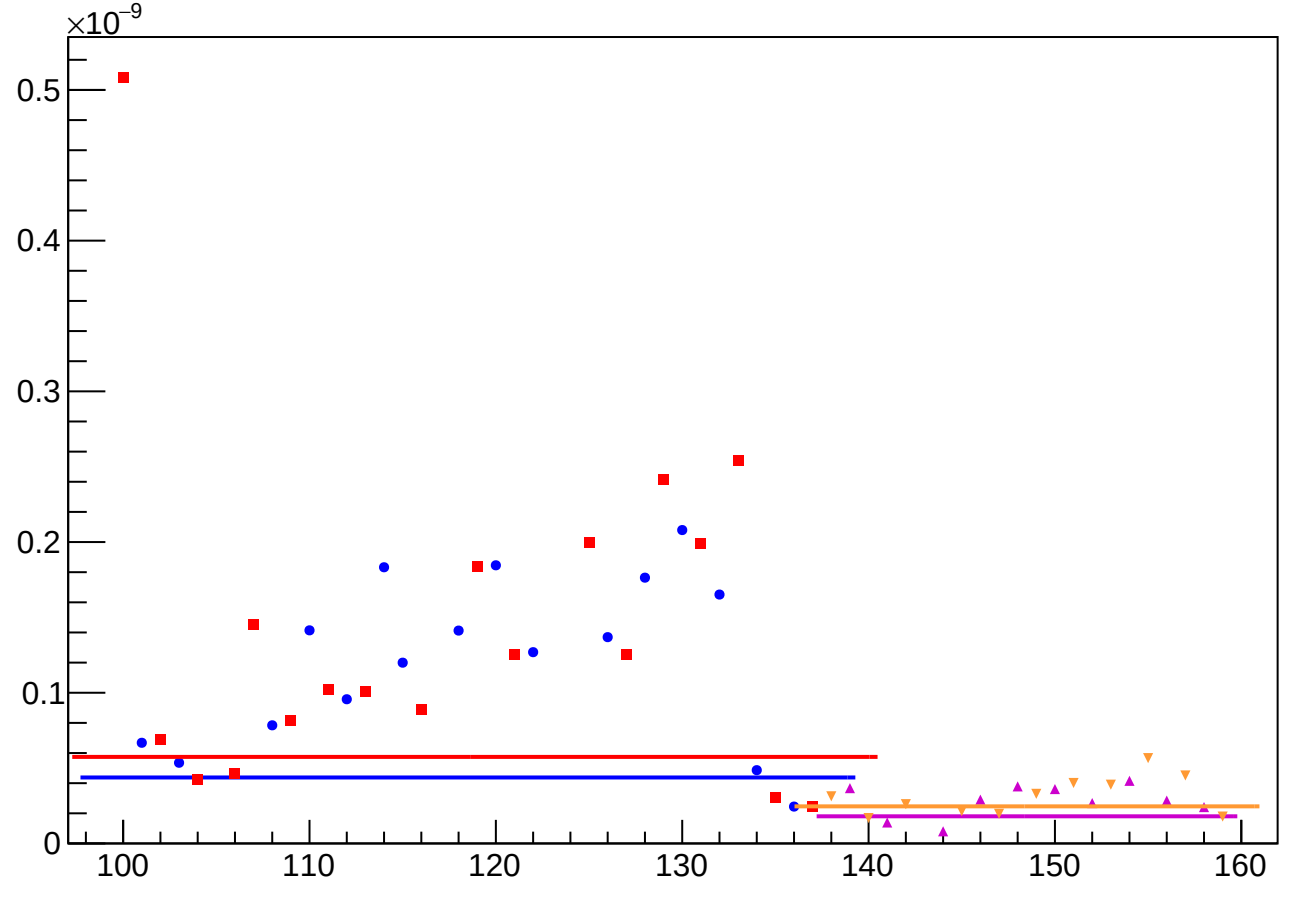
Left: 0.000+/-0.000 χ^2/NDF: 22.2/20

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:30.9/25

Out: 0.000+/-0.000 χ^2/NDF:18.1/28

All: 0.000+/-0.000 χ^2/NDF: 50.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:878458.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1765788.5/9

Left: 0.000+/-0.000 χ^2/NDF: 2893580.1/20

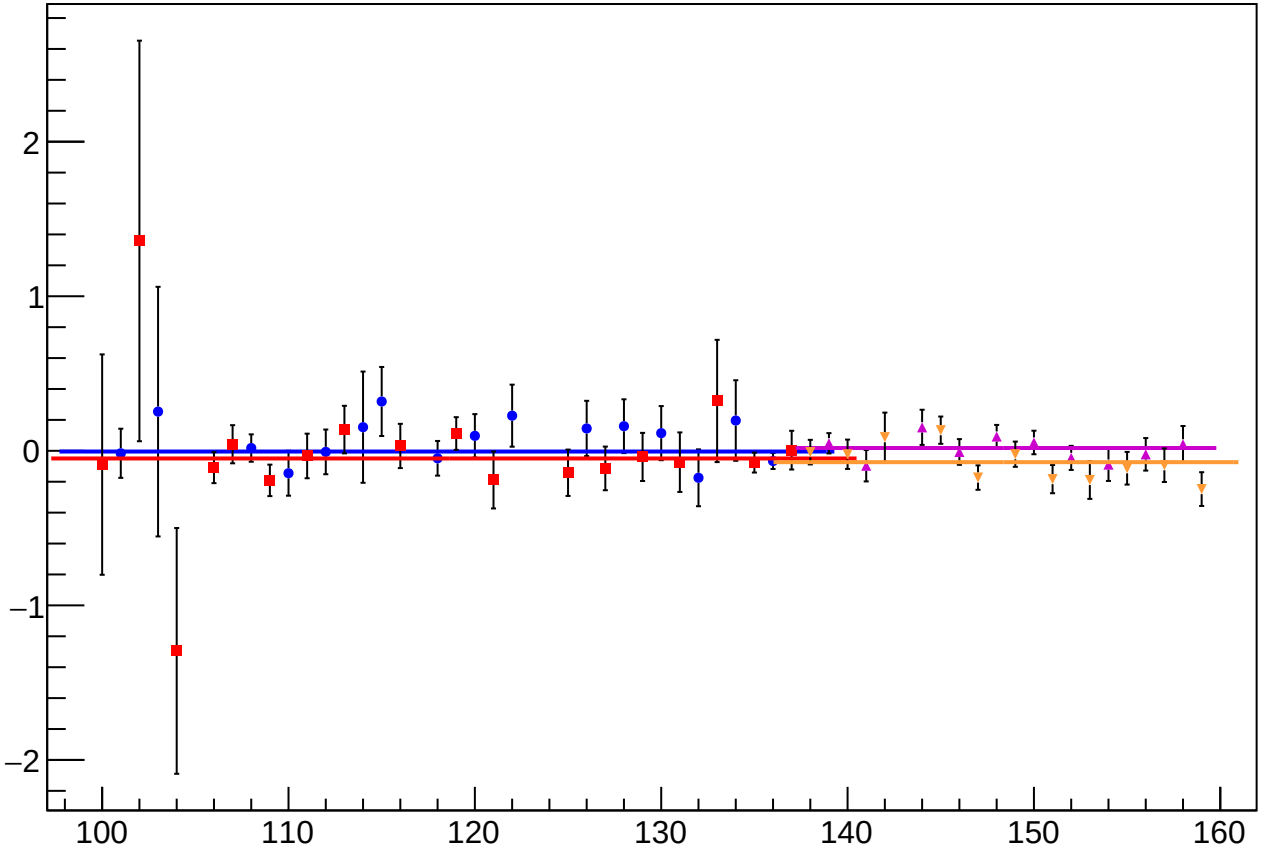
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4996308.0/25

Out: 0.000+/-0.000 χ^2/NDF:3998157.2/28

All: 0.000+/-0.000 χ^2/NDF: 9311887.9/54

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: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.025+/-0.020 χ^2/NDF: 25.8/20

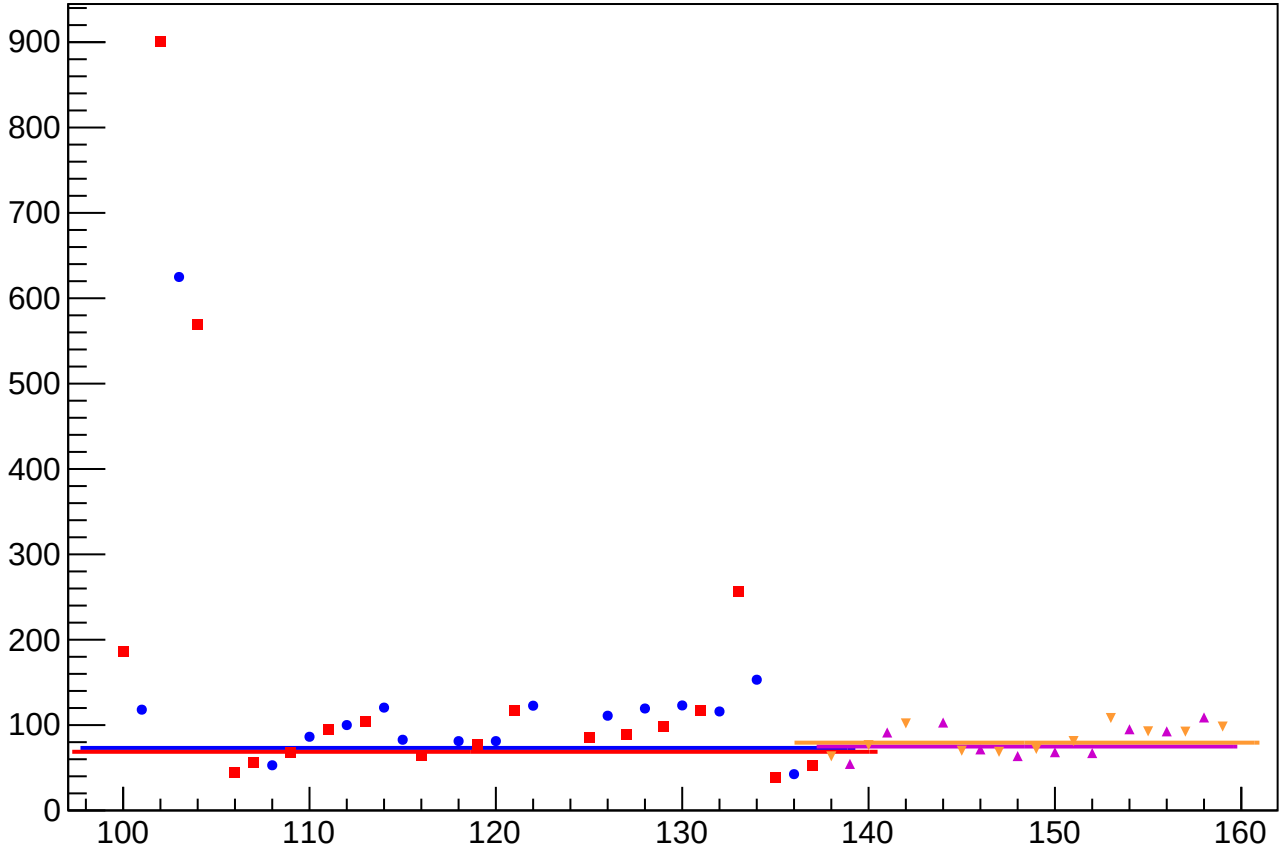
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.026+/-0.015 χ^2/NDF: 50.2/54

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: 79.420+/-0.020 χ^2/NDF:431547.9/10

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

Left: 77.052+/-0.014 χ^2/NDF: 1202632.7/20

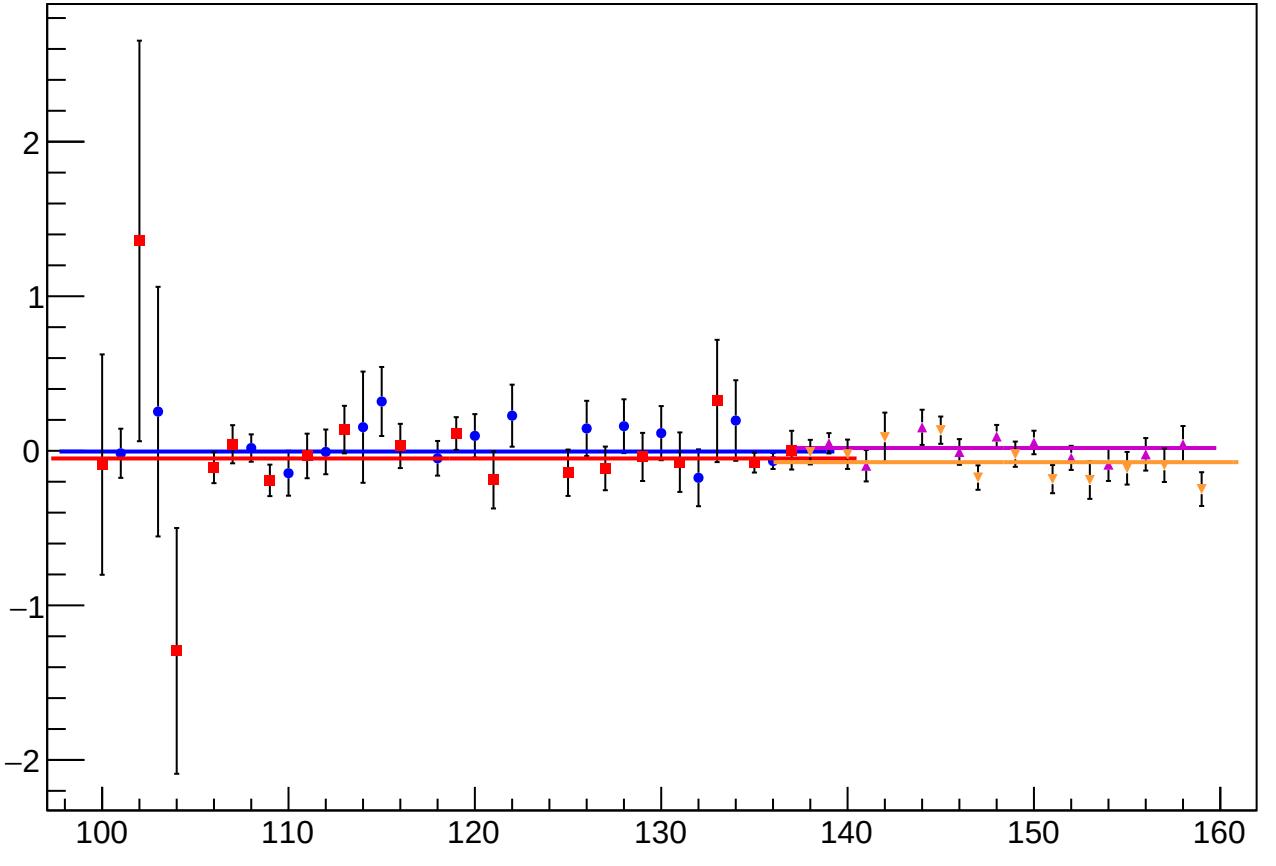
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.201+/-0.015 χ^2/NDF:3603320.3/25

Out: 74.547+/-0.015 χ^2/NDF:3887572.3/28

All: 74.371+/-0.011 χ^2/NDF: 7491159.7/54

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: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.025+/-0.020 χ^2/NDF: 25.8/20

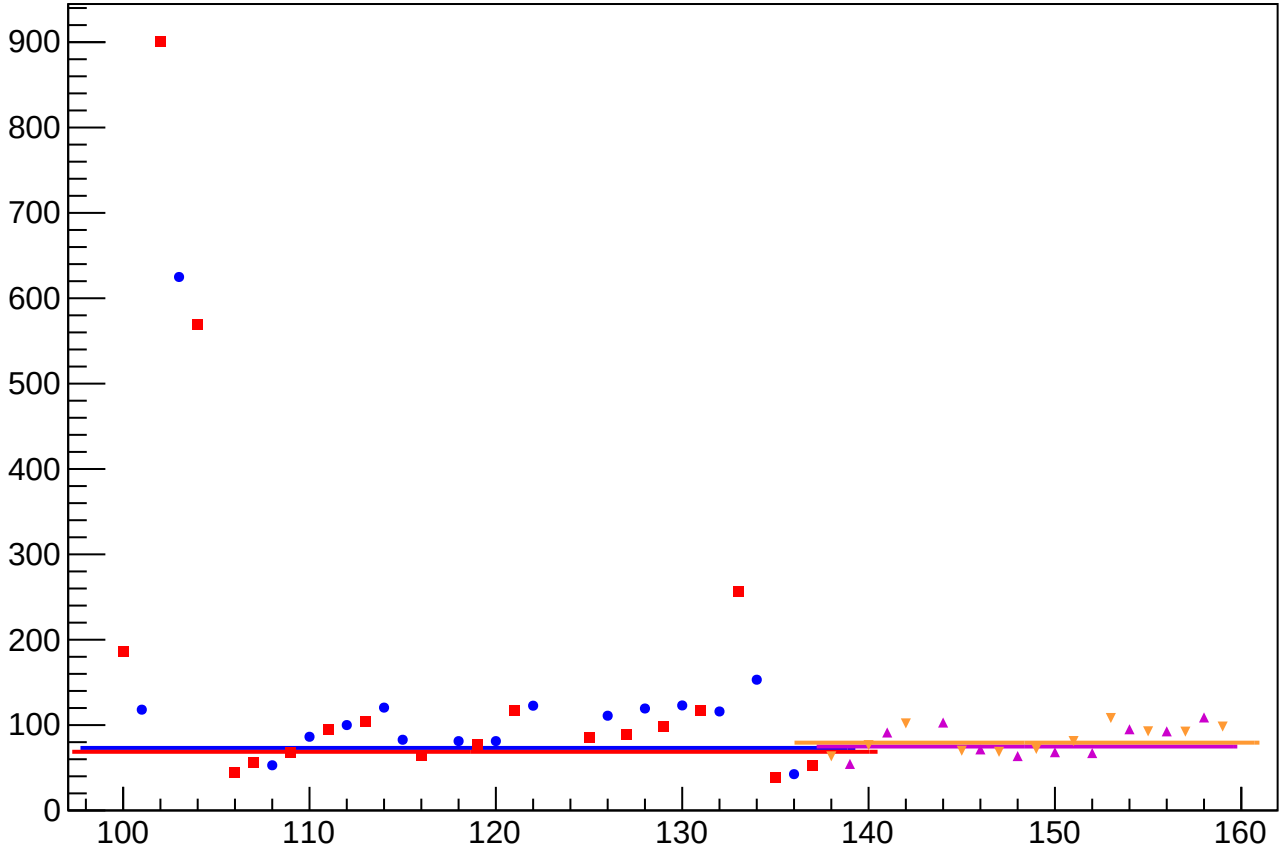
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.026+/-0.015 χ^2/NDF: 50.2/54

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: 79.420+/-0.020 χ^2/NDF:431547.9/10

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

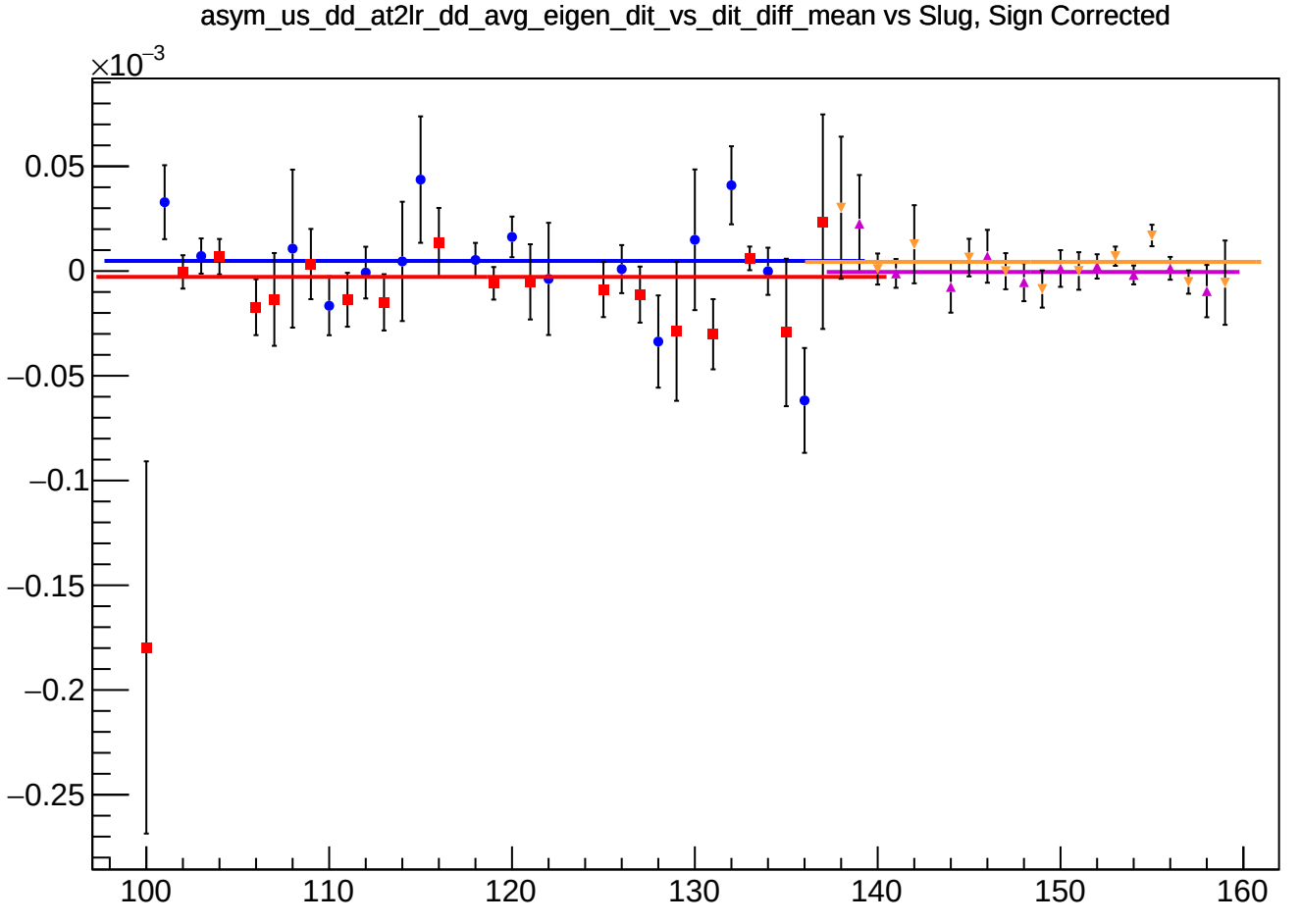
Left: 77.052+/-0.014 χ^2/NDF: 1202632.7/20

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.201+/-0.015 χ^2/NDF:3603320.3/25

Out: 74.547+/-0.015 χ^2/NDF:3887572.3/28

All: 74.371+/-0.011 χ^2/NDF: 7491159.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.9/9

Left: 0.000+/-0.000 χ^2/NDF: 18.4/20

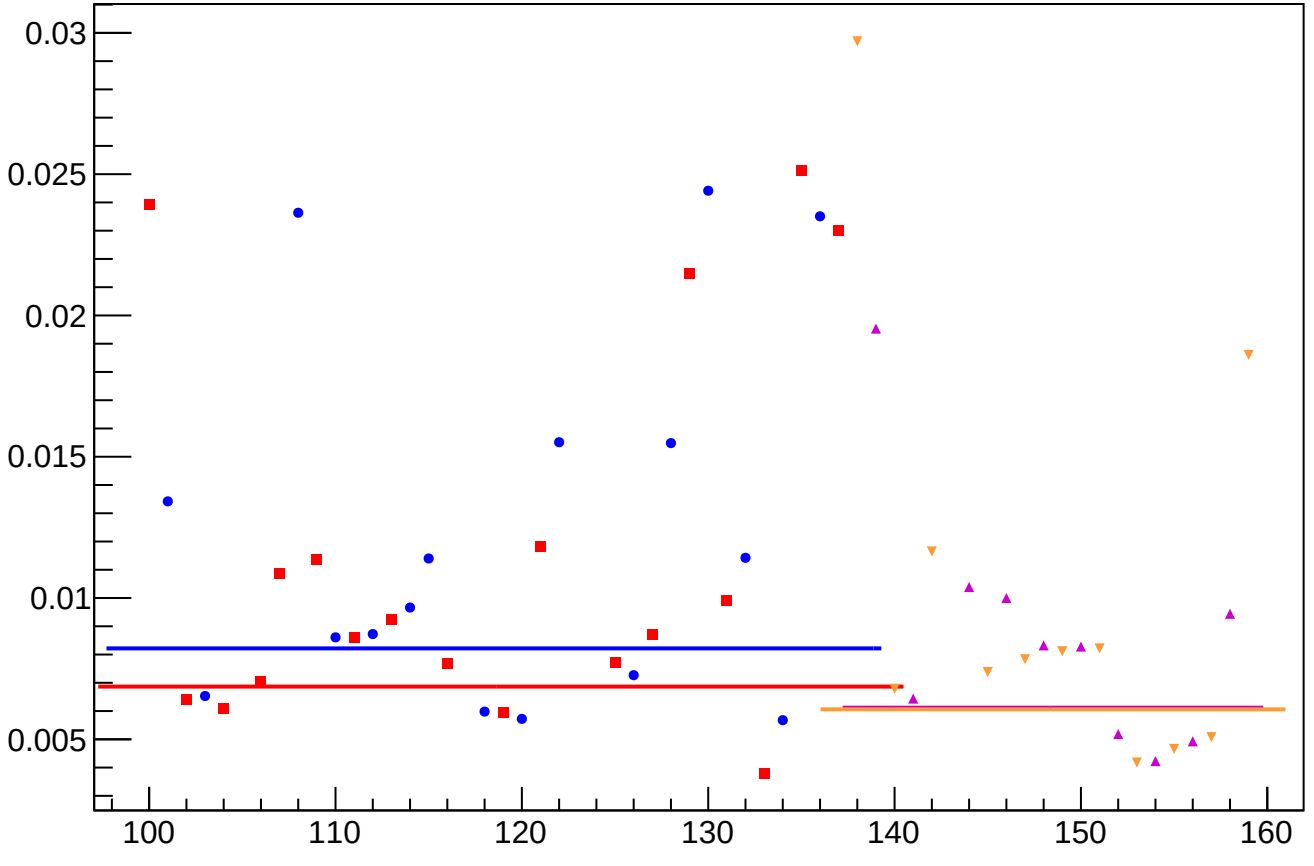
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:27.1/25

Out: 0.000+/-0.000 χ^2/NDF:34.0/28

All: 0.000+/-0.000 χ^2/NDF: 61.1/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2843702.6/10

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1981170.0/9

Left: 0.006+/-0.000 χ^2/NDF: 4825517.9/20

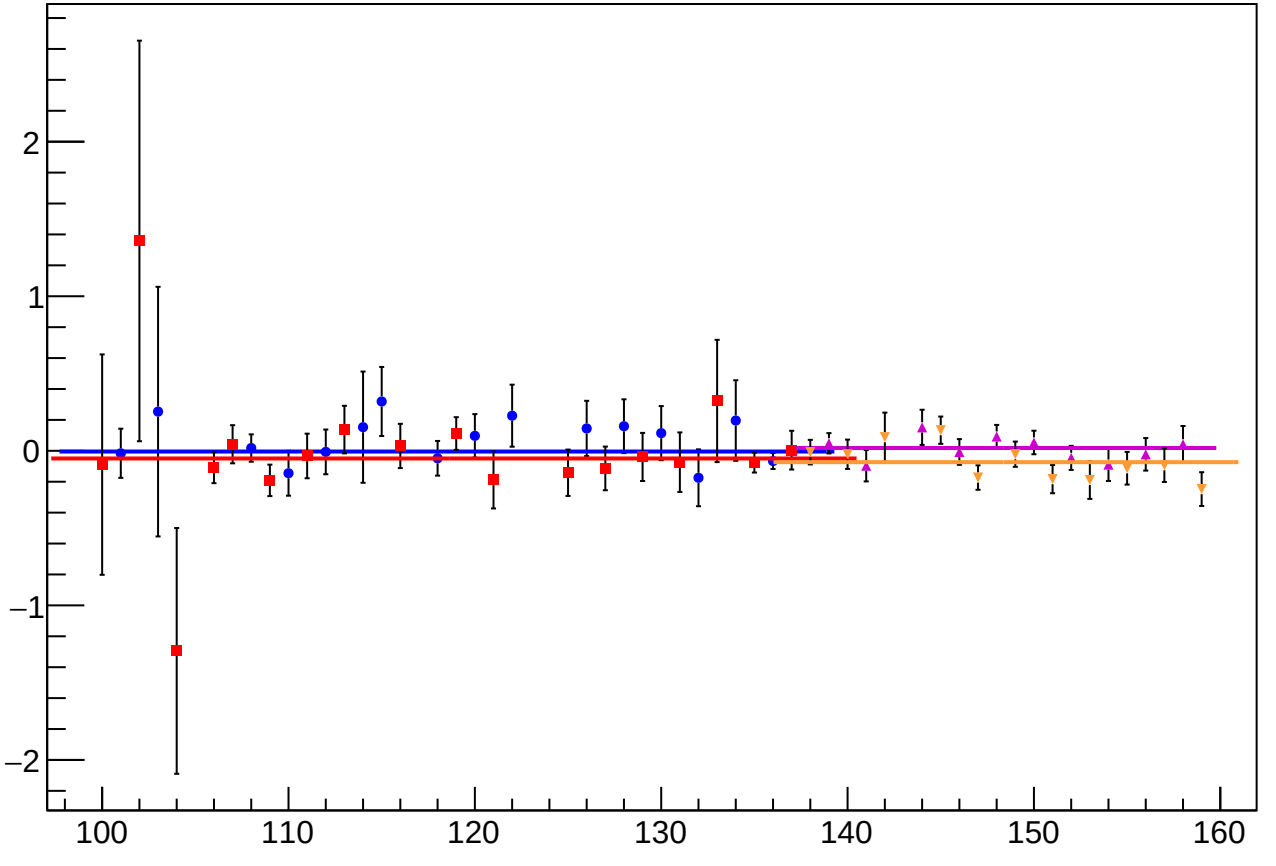
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5133564.9/25

Out: 0.006+/-0.000 χ^2/NDF:5368168.8/28

All: 0.007+/-0.000 χ^2/NDF: 10547679.1/54

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: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.025+/-0.020 χ^2/NDF: 25.8/20

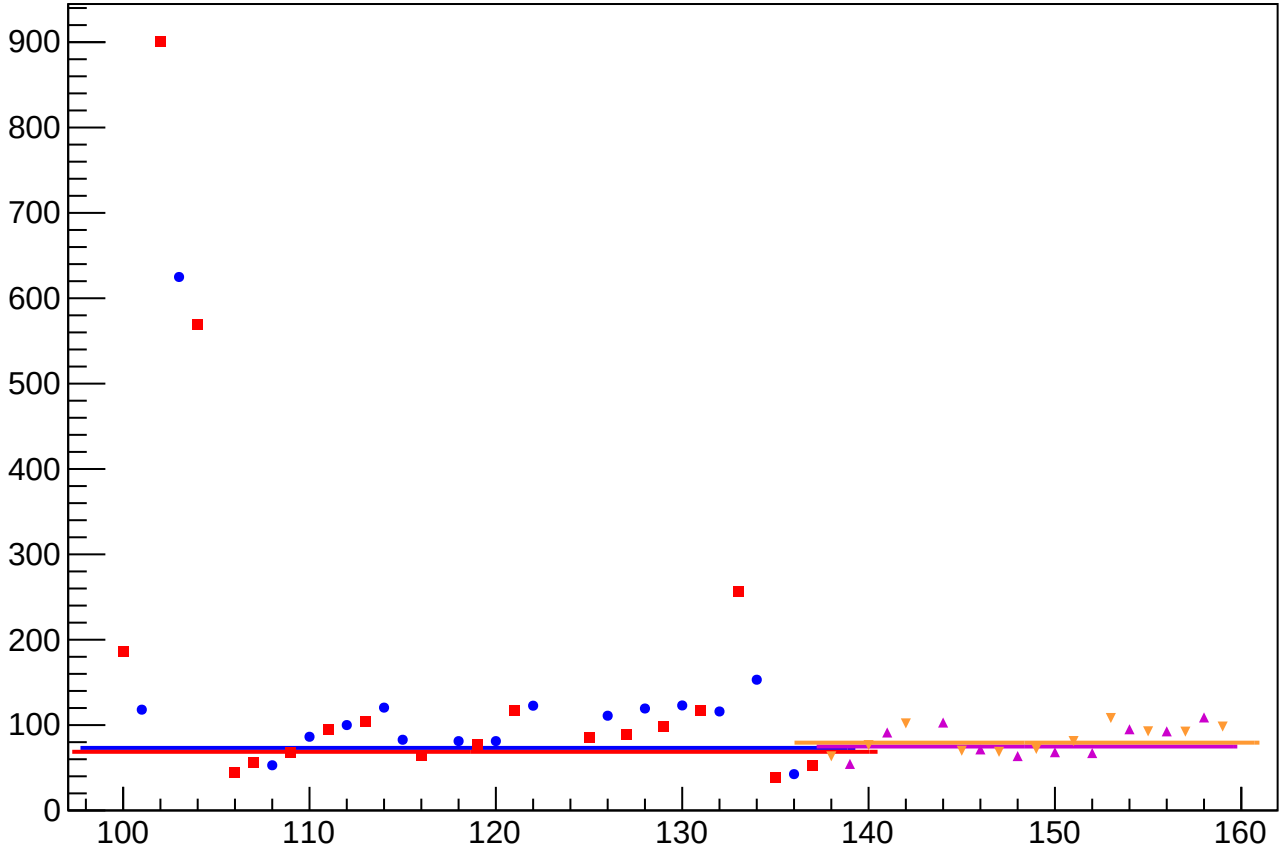
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.026+/-0.015 χ^2/NDF: 50.2/54

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: 79.421+/-0.020 χ^2/NDF:431545.1/10

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.910+/-0.019 χ^2/NDF:745373.6/9

Left: 77.054+/-0.014 χ^2/NDF: 1202384.1/20

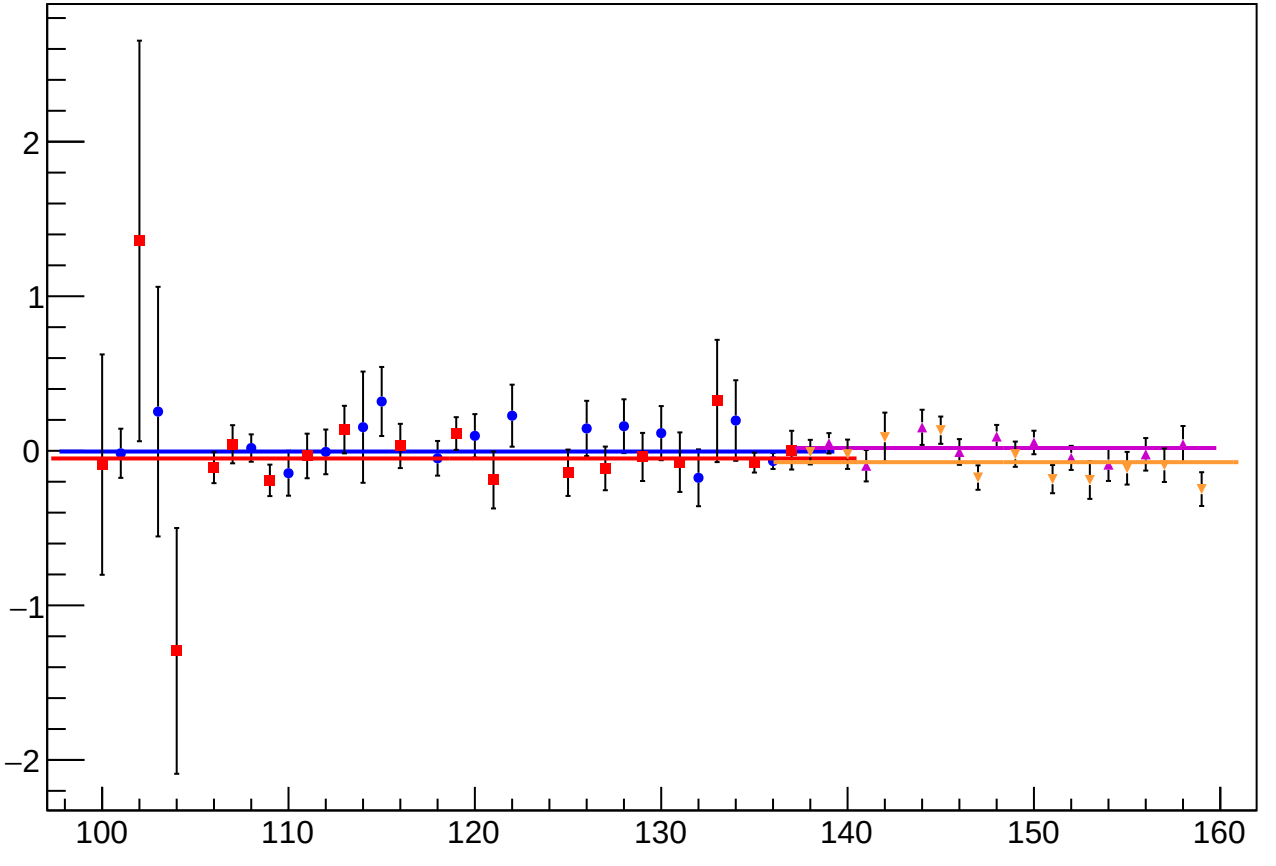
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.213+/-0.015 χ^2/NDF:3600711.0/25

Out: 74.542+/-0.015 χ^2/NDF:3888861.9/28

All: 74.374+/-0.011 χ^2/NDF: 7489814.2/54

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: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.025+/-0.020 χ^2/NDF: 25.8/20

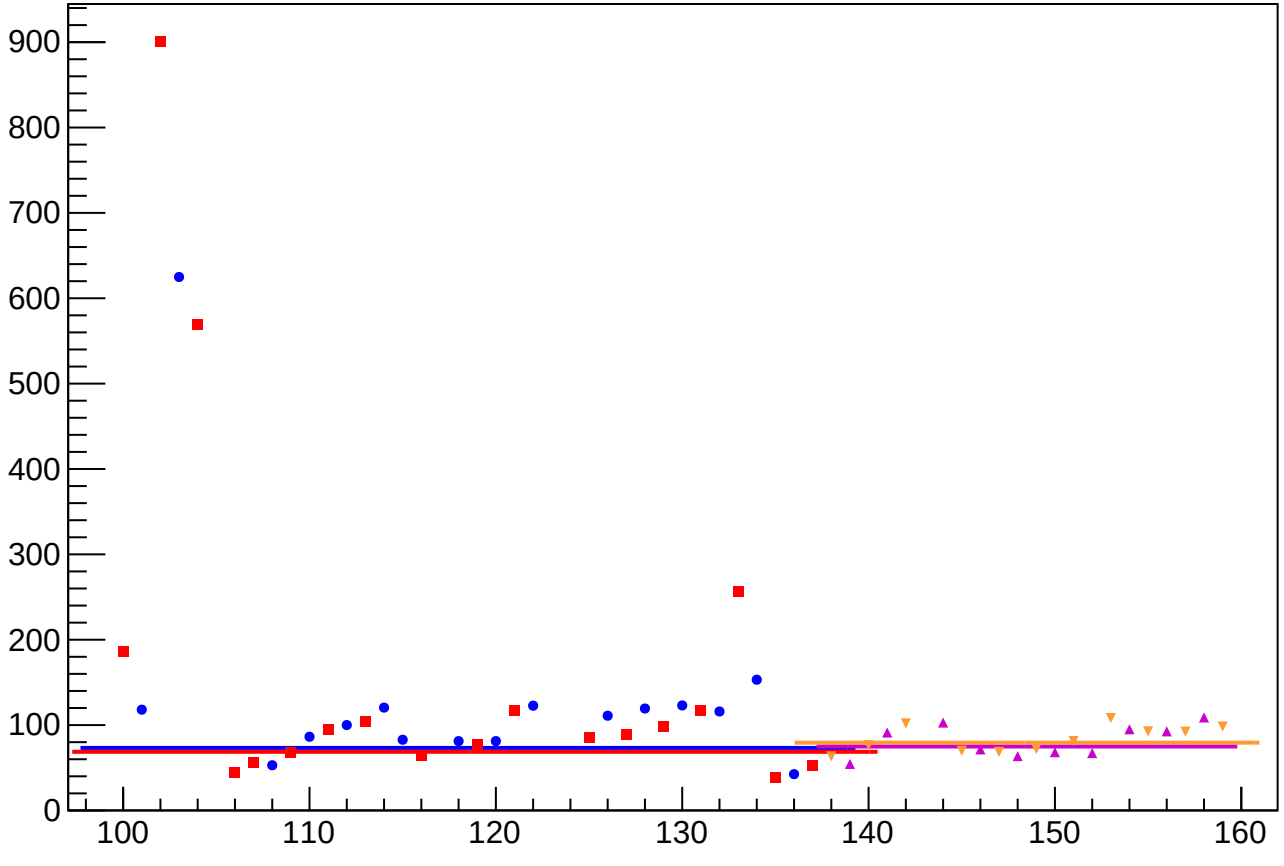
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.026+/-0.015 χ^2/NDF: 50.2/54

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: 79.421+/-0.020 χ^2/NDF:431545.1/10

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.910+/-0.019 χ^2/NDF:745373.6/9

Left: 77.054+/-0.014 χ^2/NDF: 1202384.1/20

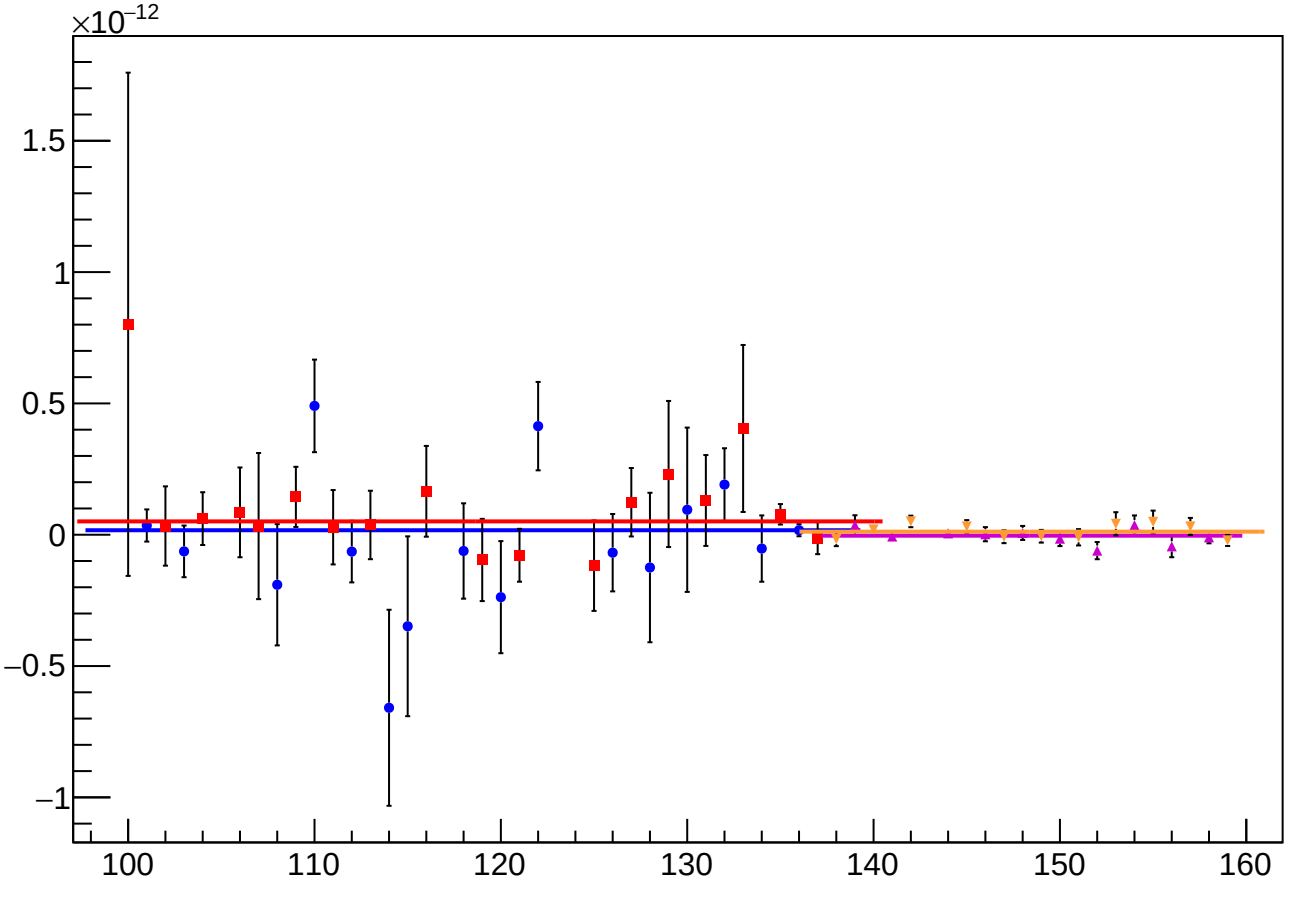
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.213+/-0.015 χ^2/NDF:3600711.0/25

Out: 74.542+/-0.015 χ^2/NDF:3888861.9/28

All: 74.374+/-0.011 χ^2/NDF: 7489814.2/54

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:10.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.1/9

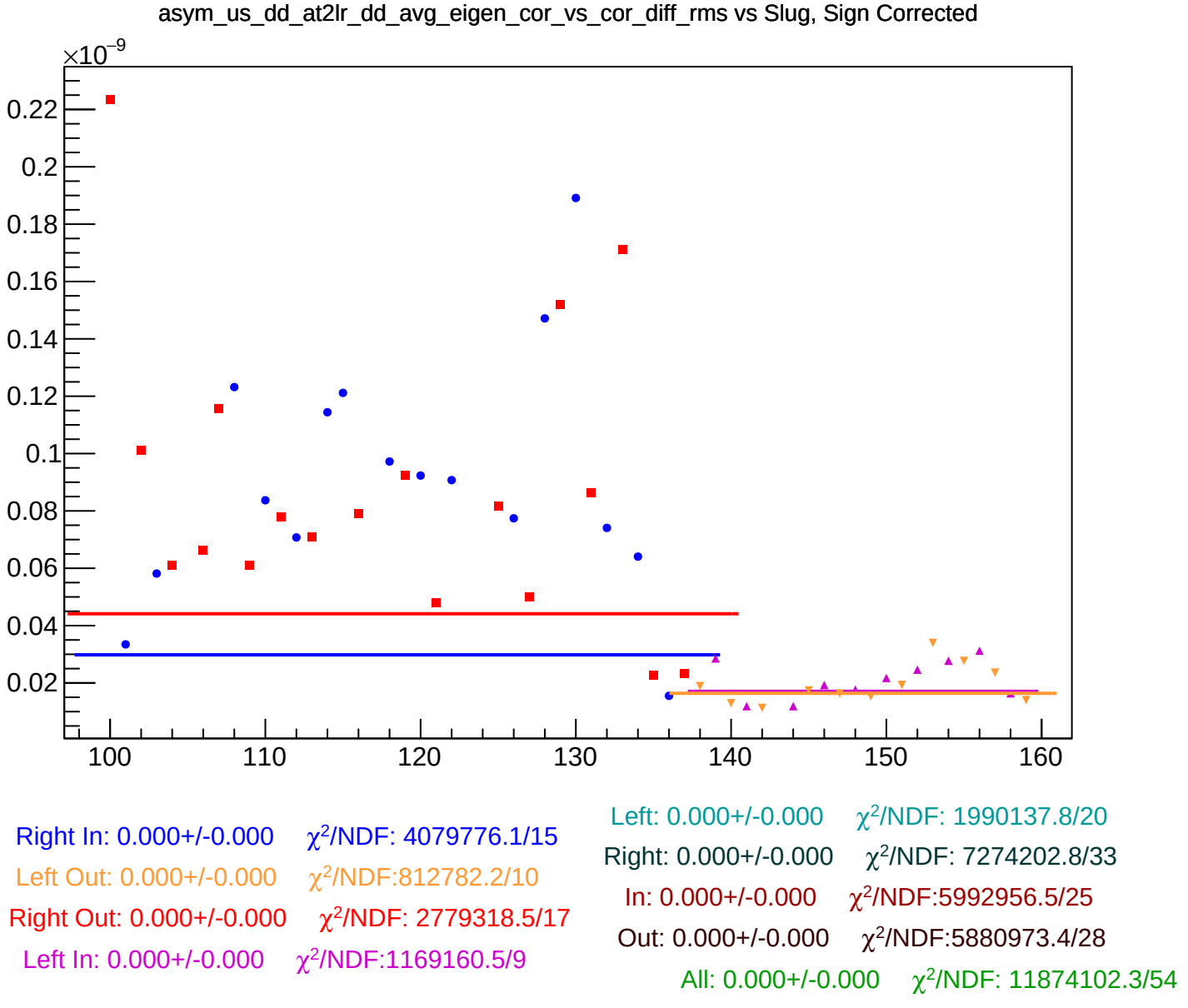
Left: 0.000+/-0.000 χ^2/NDF: 19.8/20

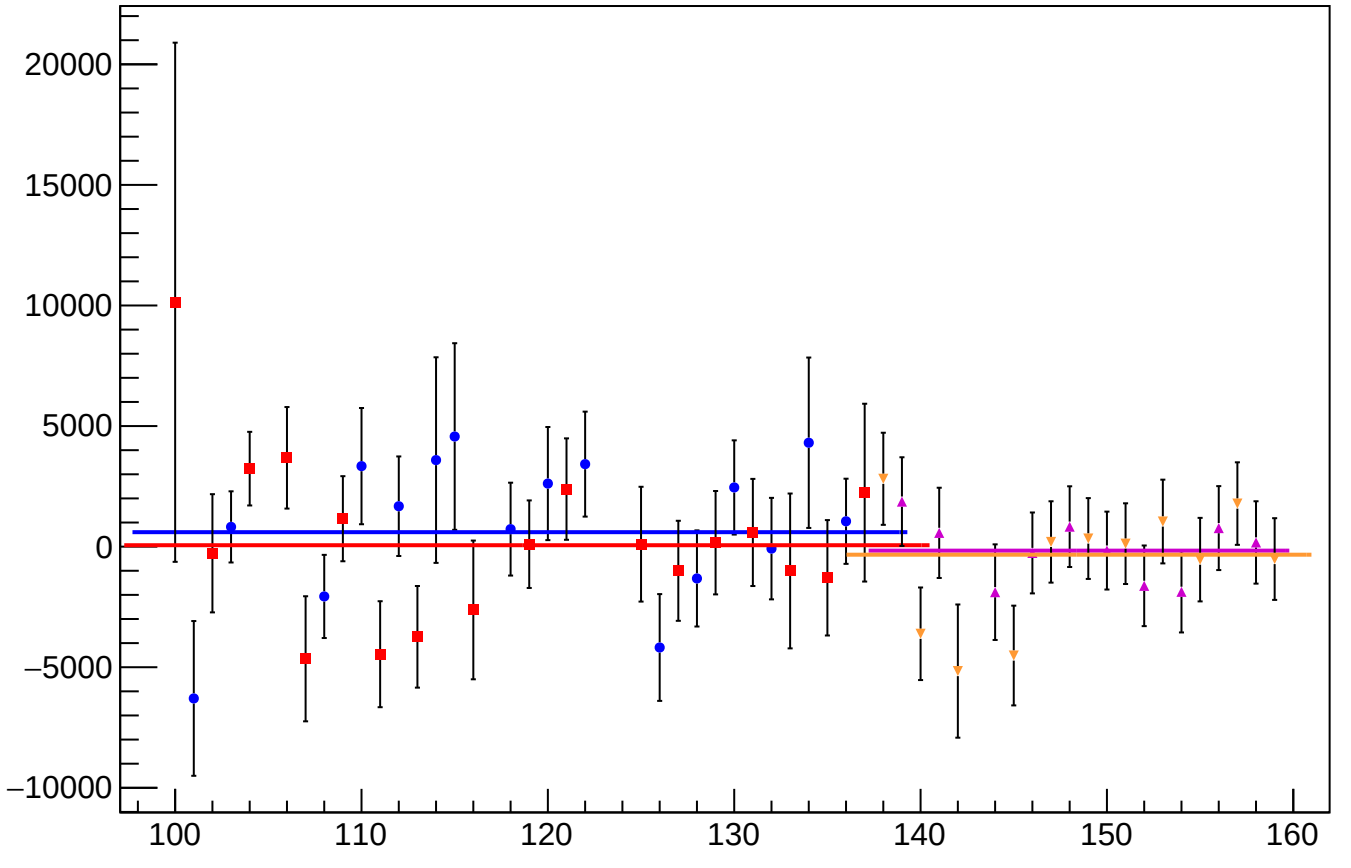
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:31.4/25

Out: 0.000+/-0.000 χ^2/NDF:22.1/28

All: 0.000+/-0.000 χ^2/NDF: 55.9/54


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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:812782.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1169160.5/9
Left: 0.000+/-0.000 χ²/NDF: 1990137.8/20
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5992956.5/25
Out: 0.000+/-0.000 χ²/NDF:5880973.4/28
All: 0.000+/-0.000 χ²/NDF: 11874102.3/54



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -333.887+/-547.949 χ^2/NDF:15.3/10

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -165.800+/-549.301 χ^2/NDF:4.6/9

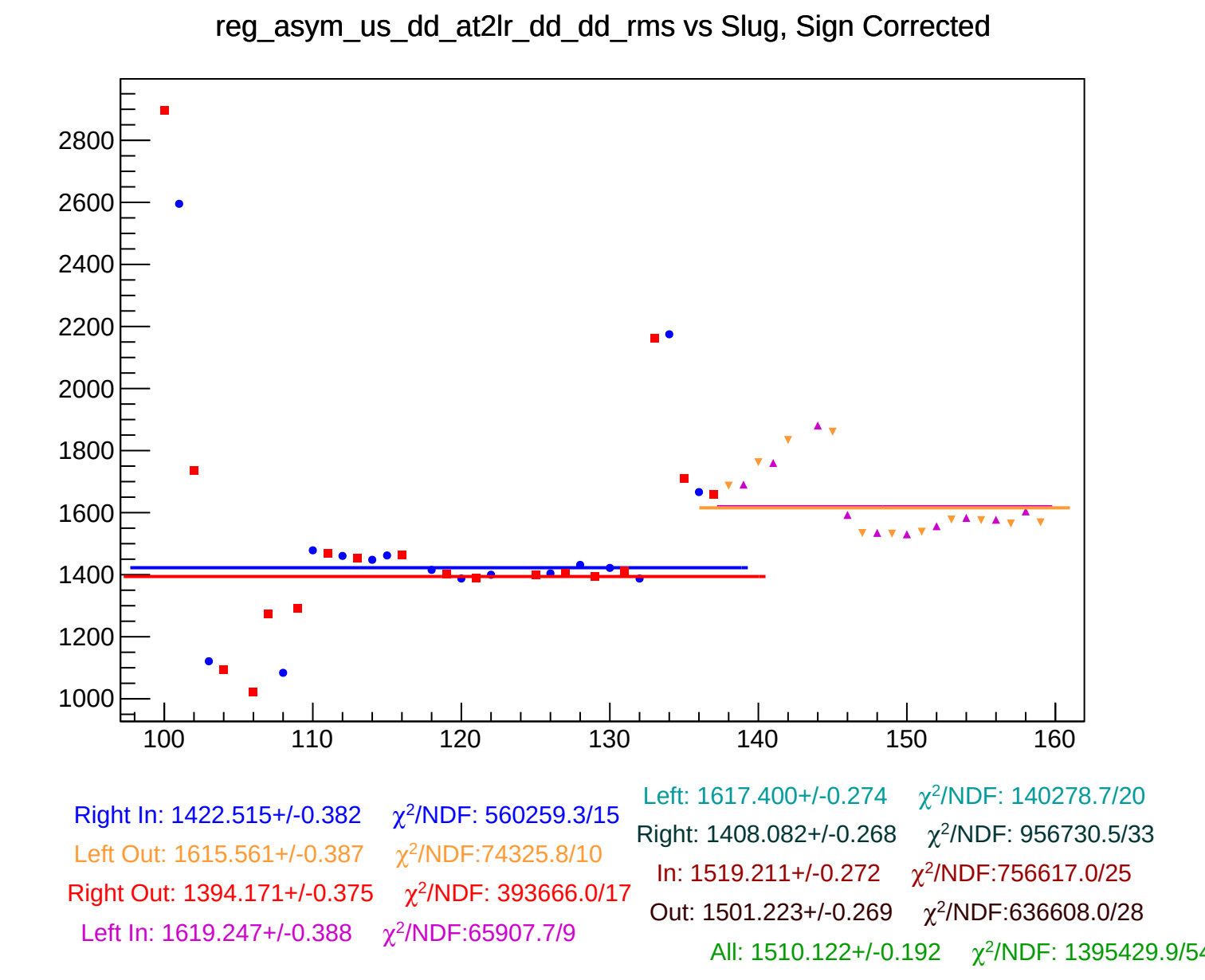
Left: -250.051+/-387.935 χ^2/NDF: 19.9/20

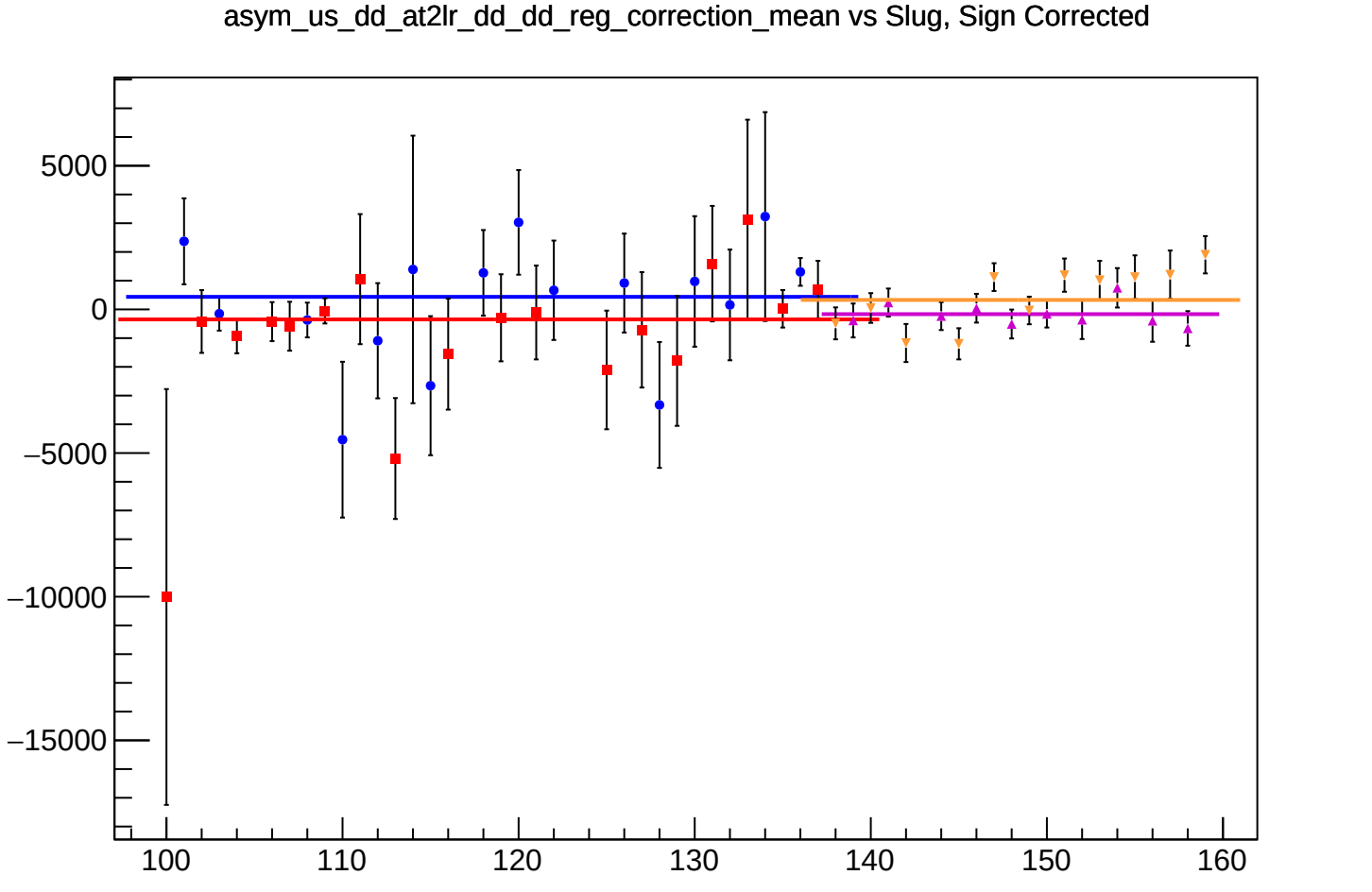
Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 223.675+/-385.103 χ^2/NDF:25.9/25

Out: -130.933+/-381.030 χ^2/NDF:38.1/28

All: 44.486+/-270.858 χ^2/NDF: 64.4/54


reg_asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
100
110
120
130
140
150
160
Right In: 1422.515+/-0.382 χ²/NDF: 560259.3/15
Left Out: 1615.561+/-0.387 χ²/NDF:74325.8/10
Right Out: 1394.171+/-0.375 χ²/NDF: 393666.0/17
Left In: 1619.247+/-0.388 χ²/NDF:65907.7/9
Left: 1617.400+/-0.274 χ²/NDF: 140278.7/20
Right: 1408.082+/-0.268 χ²/NDF: 956730.5/33
In: 1519.211+/-0.272 χ²/NDF:756617.0/25
Out: 1501.223+/-0.269 χ²/NDF:636608.0/28
All: 1510.122+/-0.192 χ²/NDF: 1395429.9/54



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 329.193+/-176.785 χ^2/NDF:30.1/10

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -165.383+/-174.898 χ^2/NDF:4.1/9

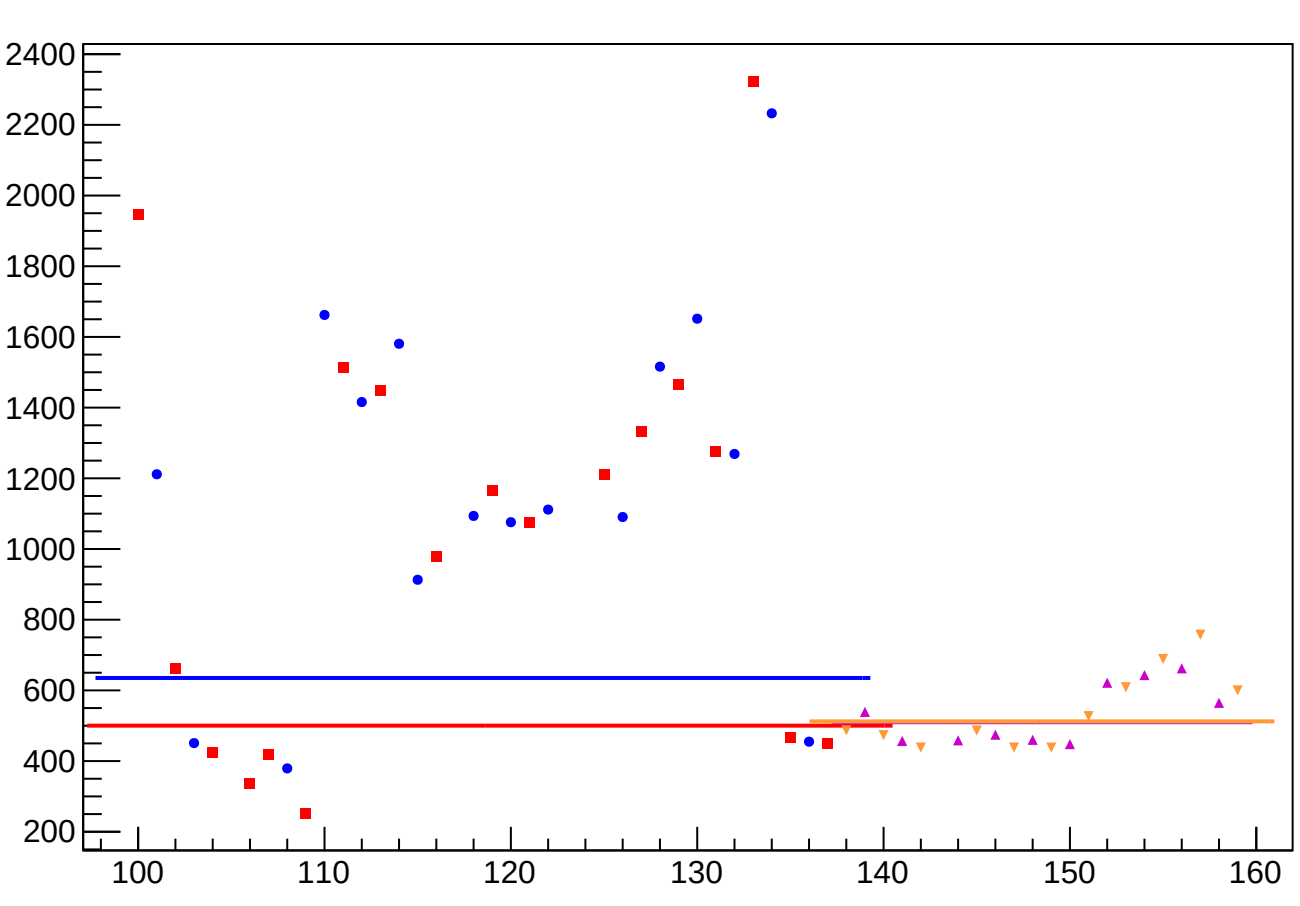
Left: 79.251+/-124.334 χ^2/NDF: 38.2/20

Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 7.140+/-147.721 χ^2/NDF:26.9/25

Out: 82.573+/-141.000 χ^2/NDF:49.4/28

All: 46.611+/-101.995 χ^2/NDF: 76.4/54



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 512.253+/-0.125 χ^2/NDF:497636.6/10

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 509.881+/-0.124 χ^2/NDF:348691.2/9

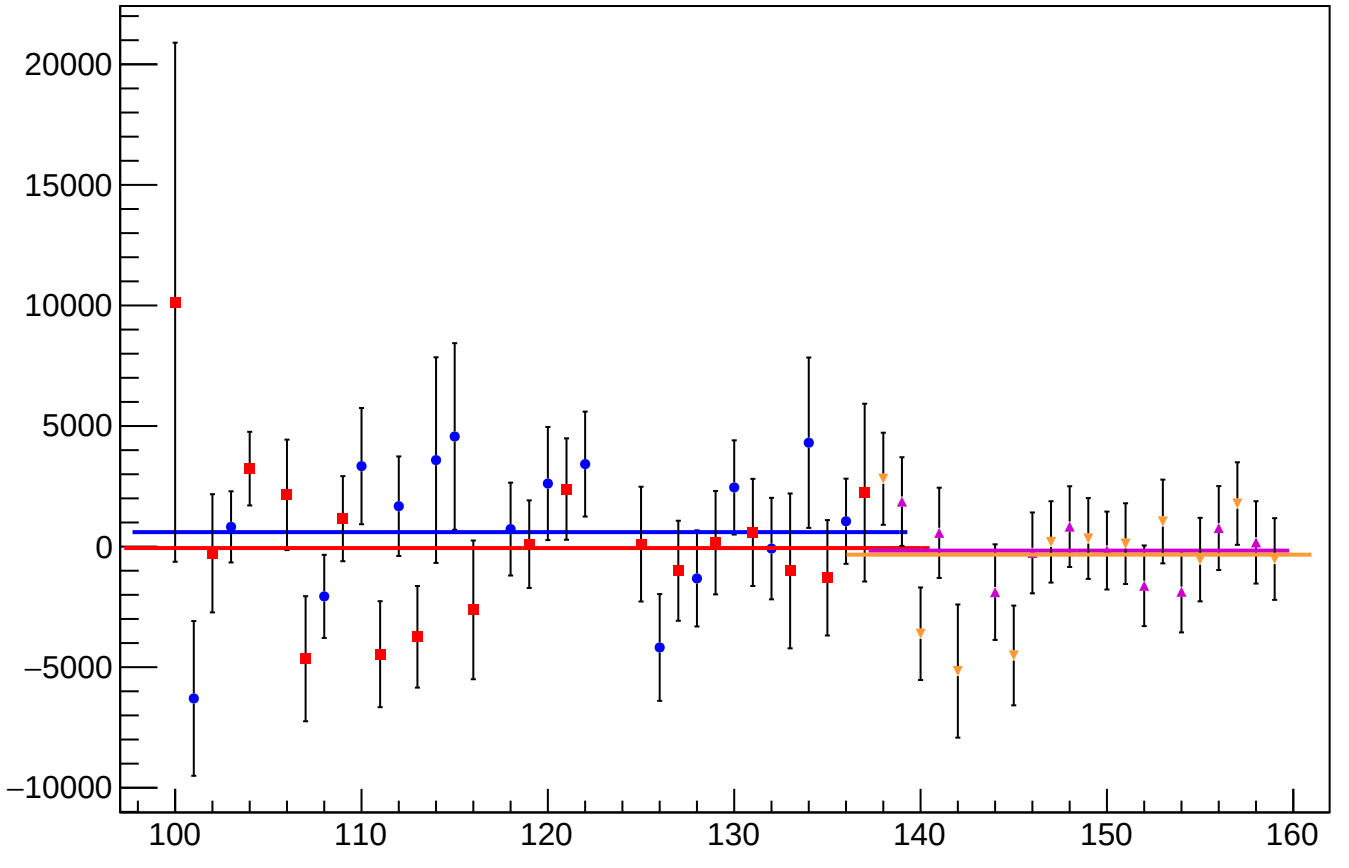
Left: 511.054+/-0.088 χ^2/NDF: 846509.8/20

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 545.783+/-0.104 χ^2/NDF:4395290.4/25

Out: 507.879+/-0.100 χ^2/NDF:4810095.1/28

All: 525.949+/-0.072 χ^2/NDF: 9274288.8/54



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -334.034+/-547.949 χ^2/NDF:15.3/10

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -165.773+/-549.301 χ^2/NDF:4.6/9

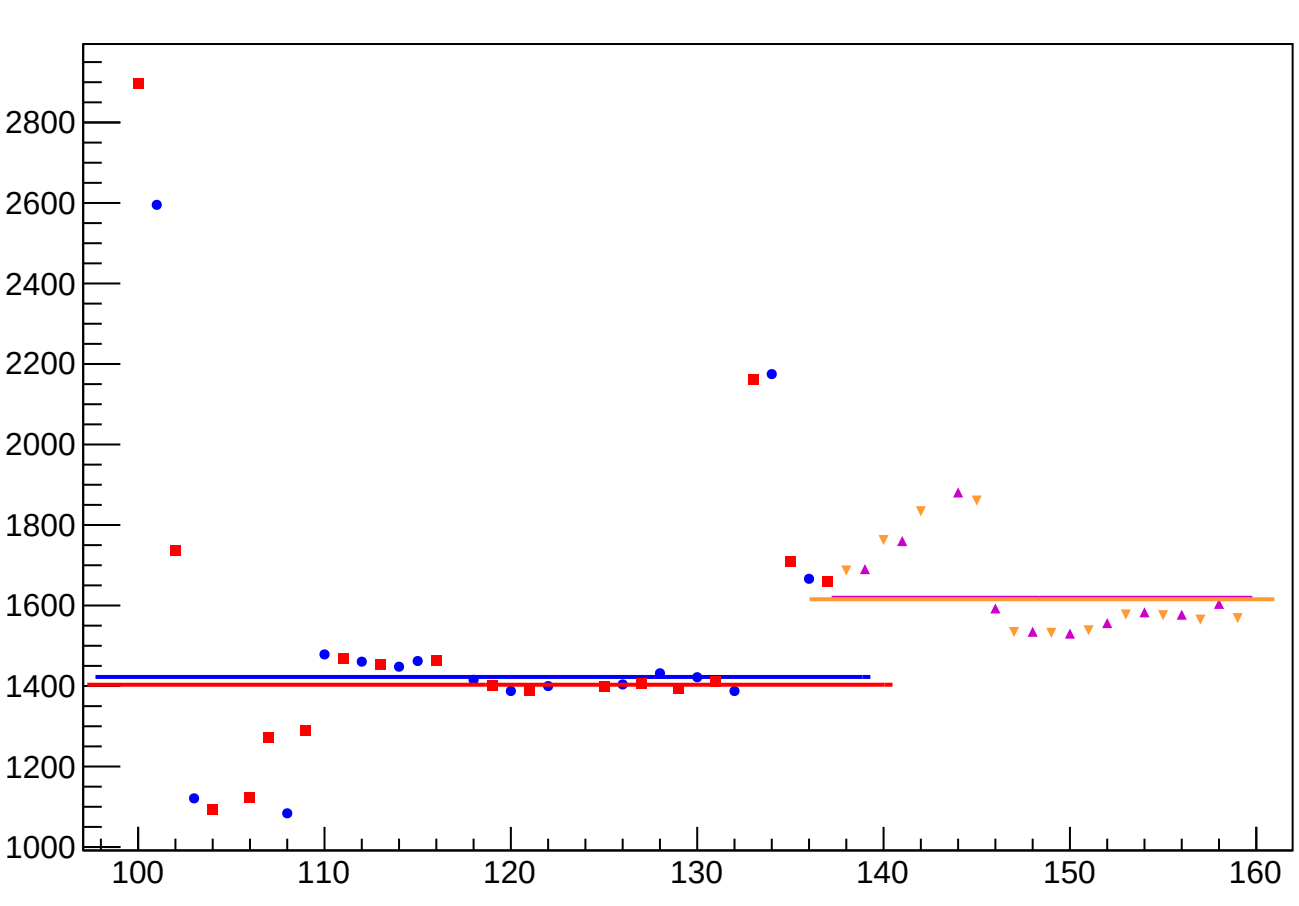
Left: -250.110+/-387.935 χ^2/NDF: 19.9/20

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 223.624+/-385.103 χ^2/NDF:25.9/25

Out: -193.369+/-382.000 χ^2/NDF:35.8/28

All: 13.441+/-271.205 χ^2/NDF: 62.3/54



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1615.561+/-0.387 χ^2/NDF:74325.8/10

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

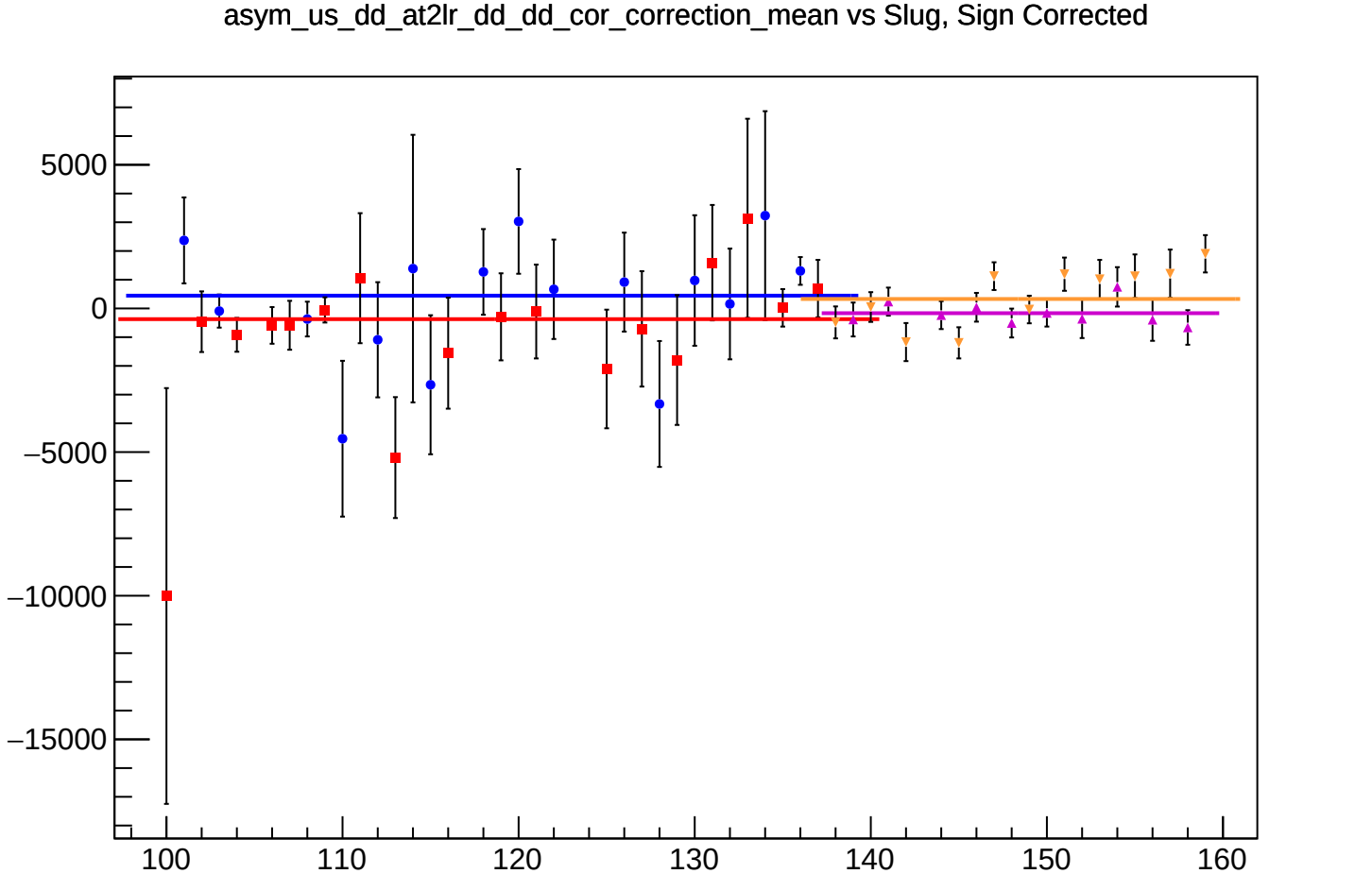
Left: 1617.400+/-0.274 χ^2/NDF: 140278.7/20

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1519.211+/-0.272 χ^2/NDF:756617.3/25

Out: 1506.420+/-0.270 χ^2/NDF:587813.7/28

All: 1512.764+/-0.192 χ^2/NDF: 1345543.3/54



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 329.230+/-176.788 χ^2/NDF:30.1/10

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -165.434+/-174.896 χ^2/NDF:4.1/9

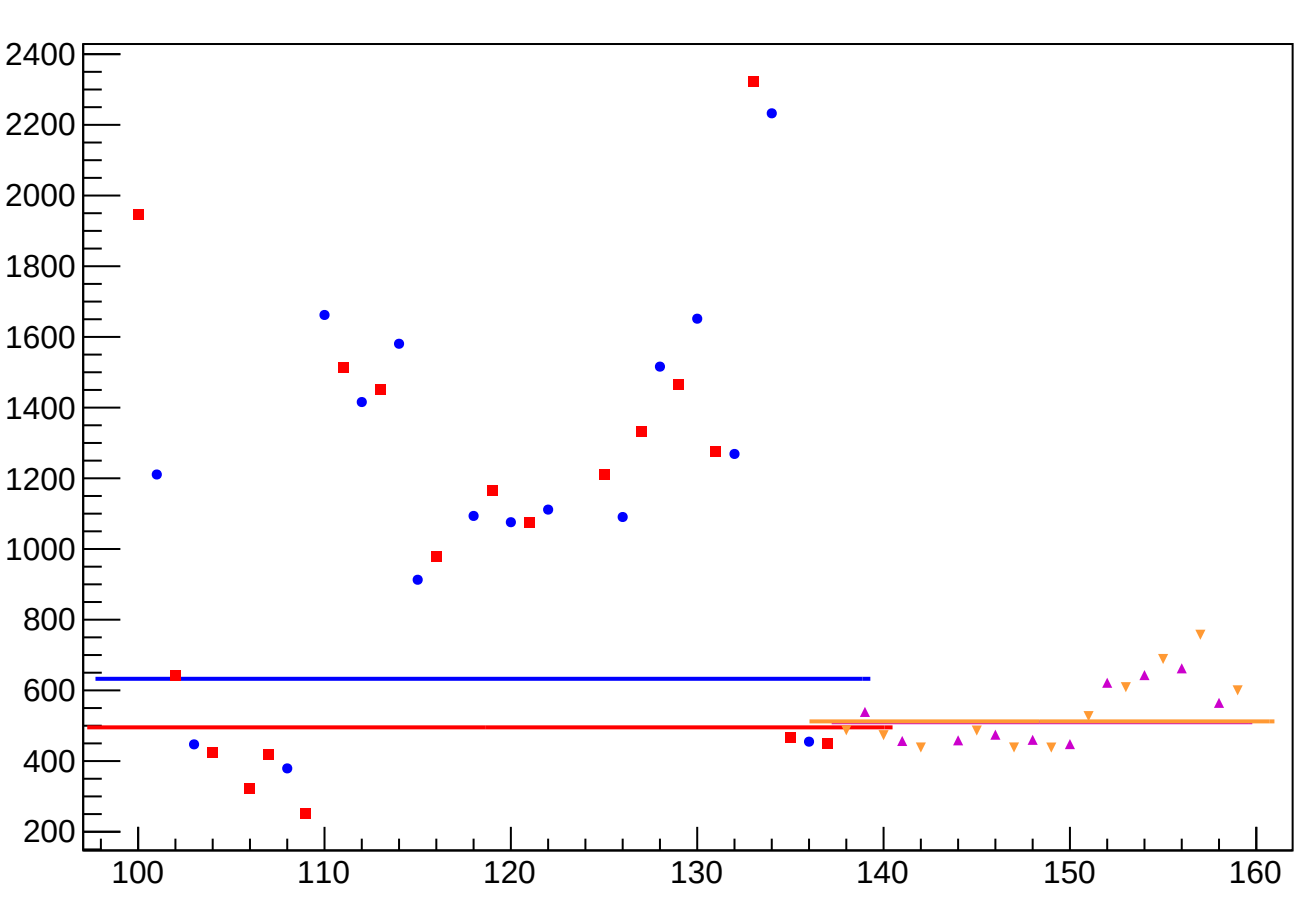
Left: 79.237+/-124.334 χ^2/NDF: 38.2/20

Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 10.640+/-147.538 χ^2/NDF:26.8/25

Out: 70.519+/-140.471 χ^2/NDF:49.9/28

All: 42.048+/-101.734 χ^2/NDF: 76.8/54



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 512.262+/-0.125 χ^2/NDF:497544.2/10

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

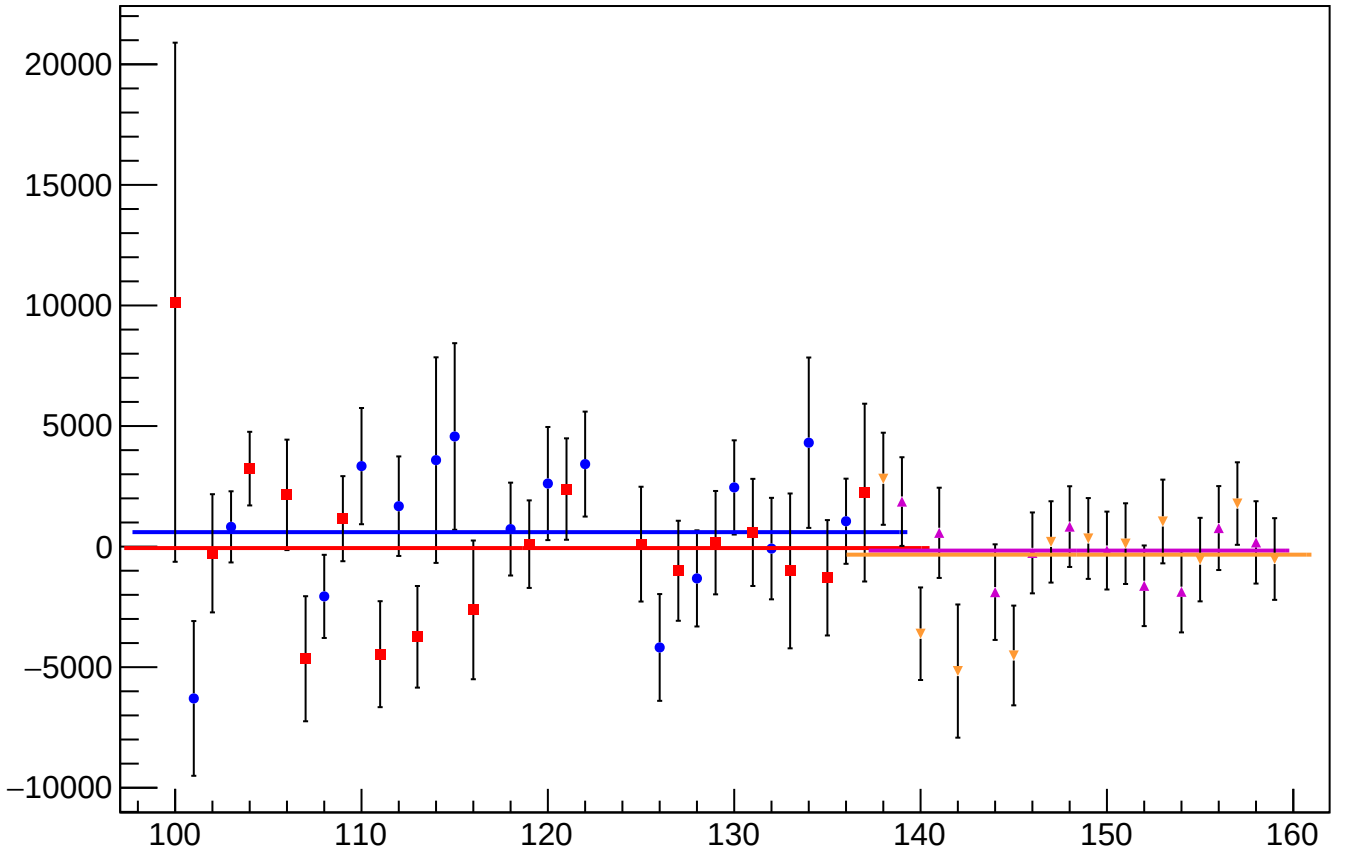
Left: 511.055+/-0.088 χ^2/NDF: 846433.7/20

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 545.310+/-0.104 χ^2/NDF:4401142.8/25

Out: 506.038+/-0.099 χ^2/NDF:4841752.4/28

All: 524.711+/-0.072 χ^2/NDF: 9317222.6/54



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -334.034+/-547.949 χ^2/NDF:15.3/10

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -165.773+/-549.301 χ^2/NDF:4.6/9

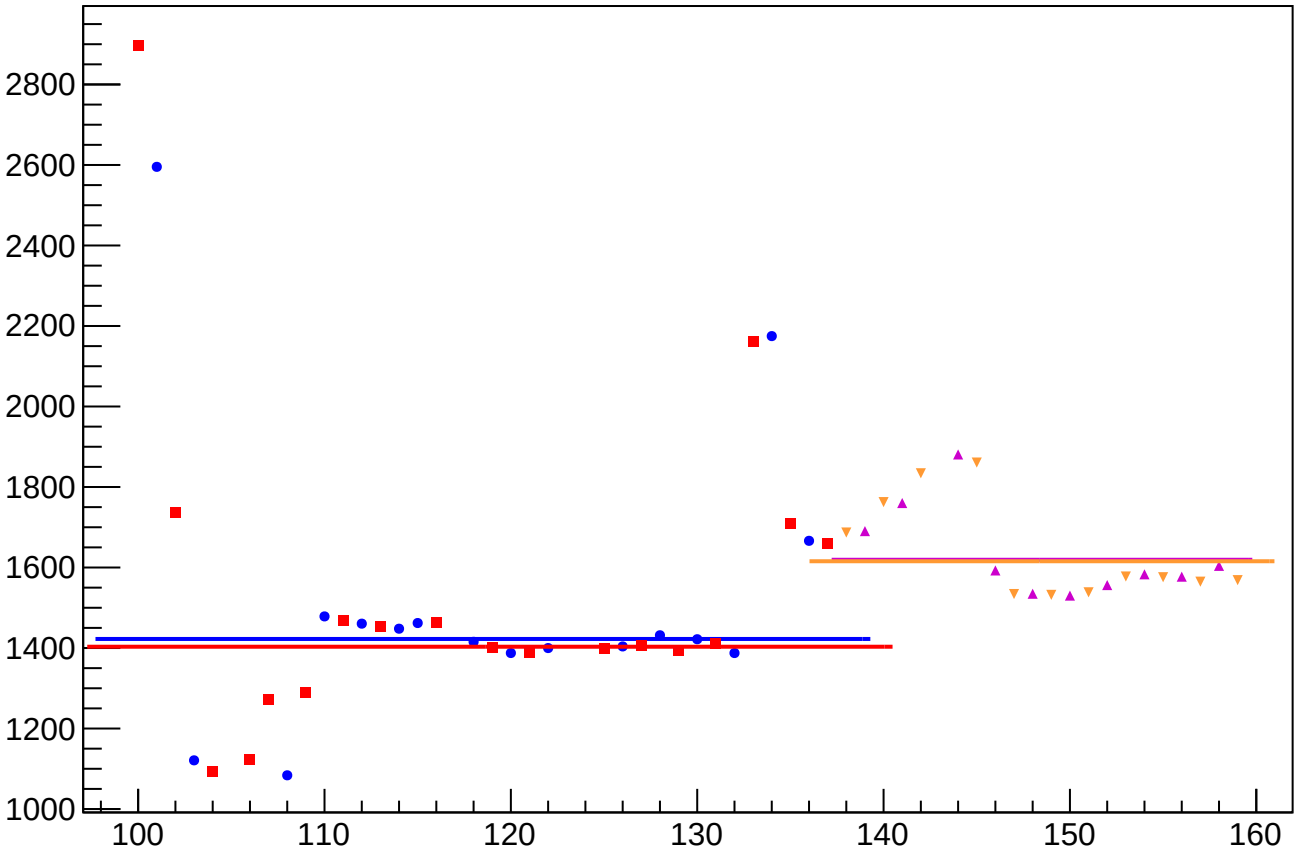
Left: -250.110+/-387.935 χ^2/NDF: 19.9/20

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 223.624+/-385.103 χ^2/NDF:25.9/25

Out: -193.369+/-382.000 χ^2/NDF:35.8/28

All: 13.441+/-271.205 χ^2/NDF: 62.3/54



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1615.561+/-0.387 χ^2/NDF:74325.8/10

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

Left: 1617.400+/-0.274 χ^2/NDF: 140278.7/20

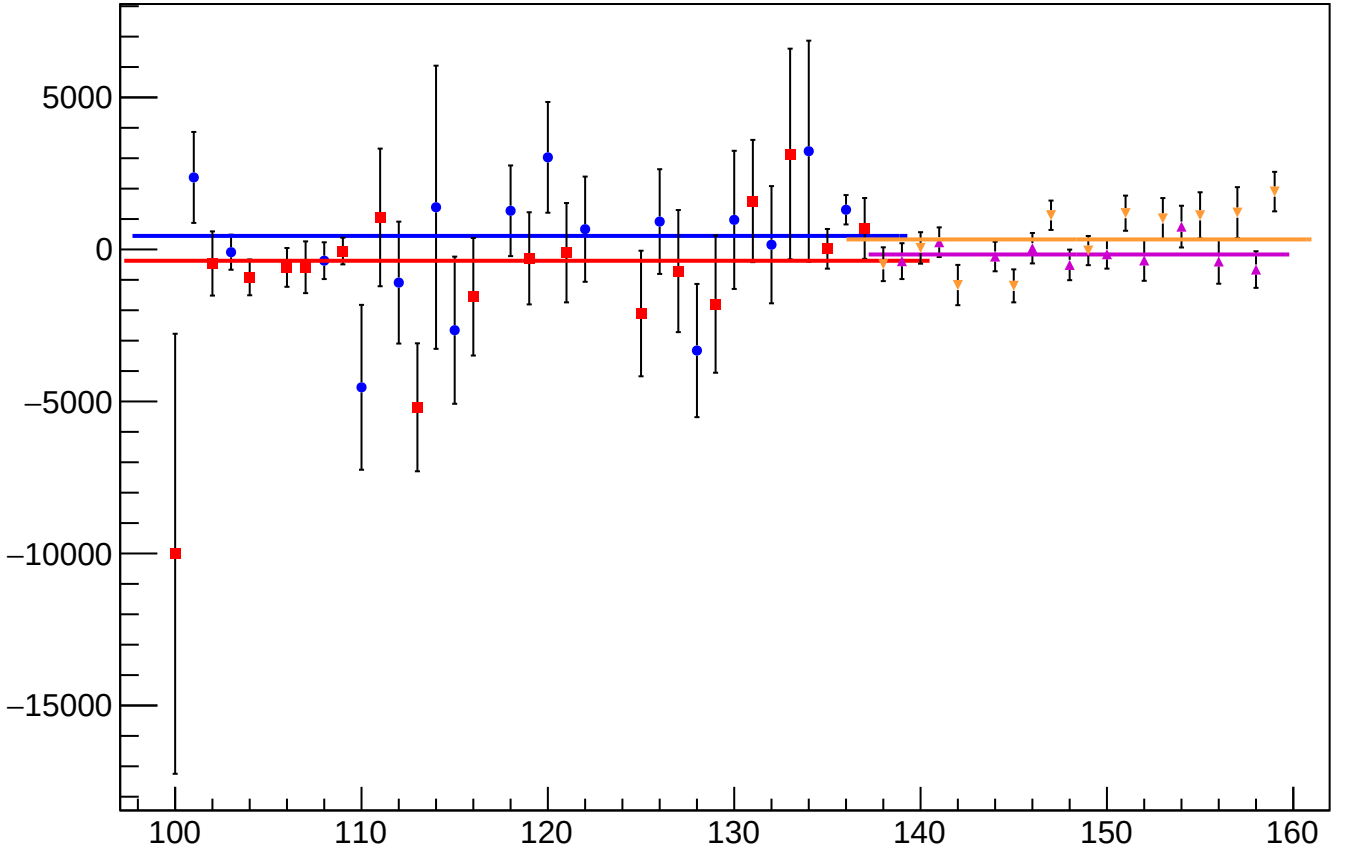
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1519.211+/-0.272 χ^2/NDF:756617.3/25

Out: 1506.420+/-0.270 χ^2/NDF:587813.7/28

All: 1512.764+/-0.192 χ^2/NDF: 1345543.3/54

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: 329.230+/-176.788 χ^2/NDF:30.1/10

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -165.434+/-174.896 χ^2/NDF:4.1/9

Left: 79.237+/-124.334 χ^2/NDF: 38.2/20

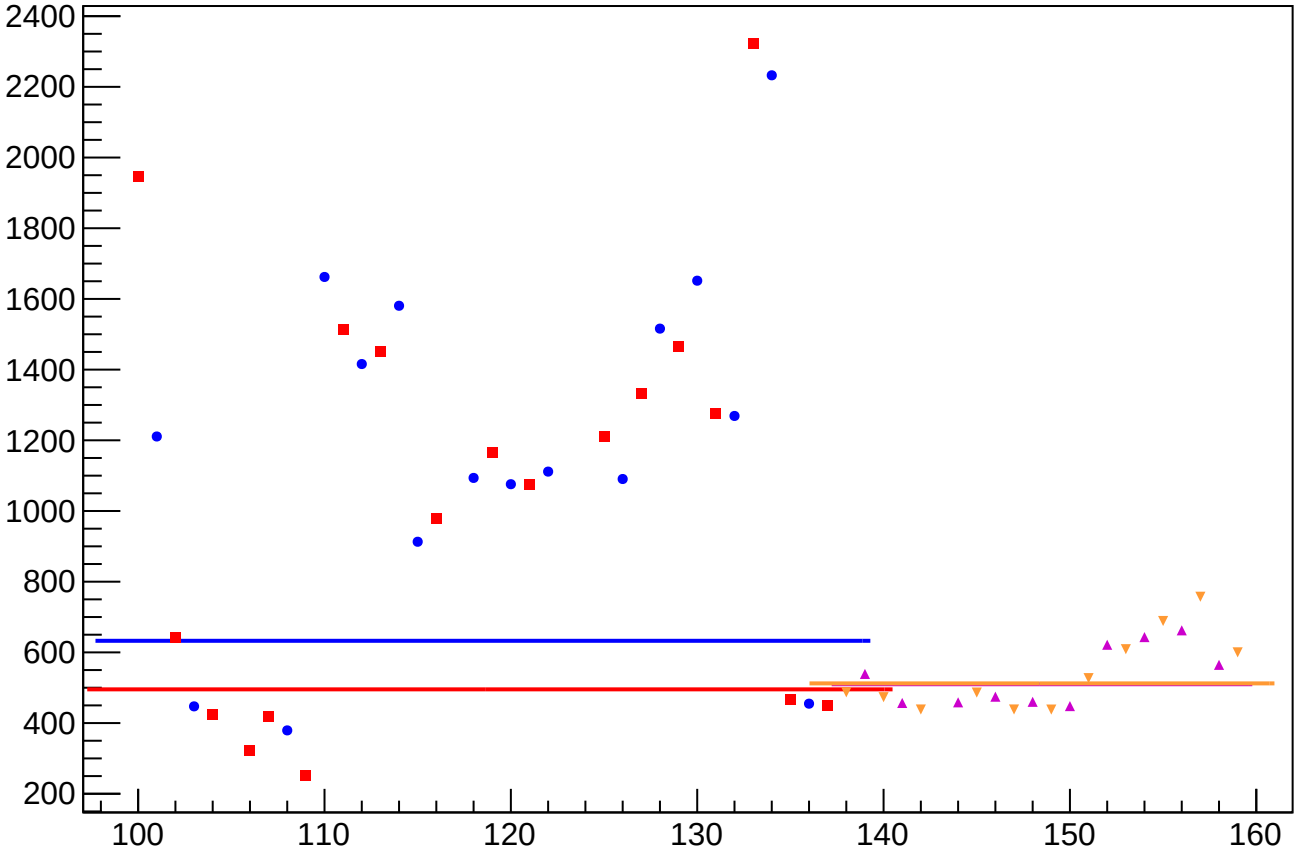
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 10.640+/-147.538 χ^2/NDF:26.8/25

Out: 70.519+/-140.471 χ^2/NDF:49.9/28

All: 42.048+/-101.734 χ^2/NDF: 76.8/54

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: 512.262+/-0.125 χ^2/NDF:497544.2/10

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

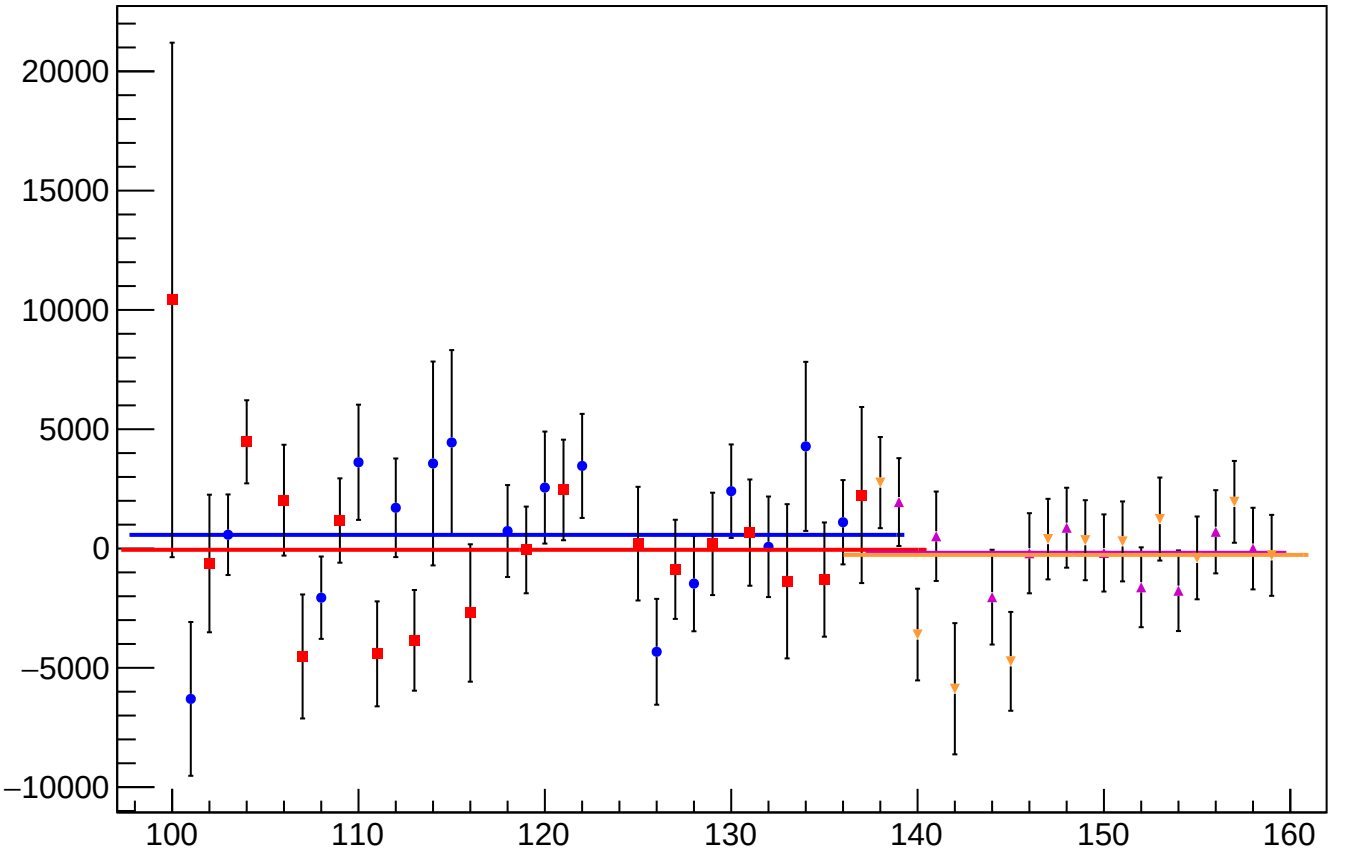
Left: 511.055+/-0.088 χ^2/NDF: 846433.7/20

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 545.310+/-0.104 χ^2/NDF:4401142.8/25

Out: 506.038+/-0.099 χ^2/NDF:4841752.4/28

All: 524.711+/-0.072 χ^2/NDF: 9317222.6/54



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -266.432+/-548.621 χ^2/NDF:17.2/10

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -179.808+/-550.097 χ^2/NDF:4.6/9

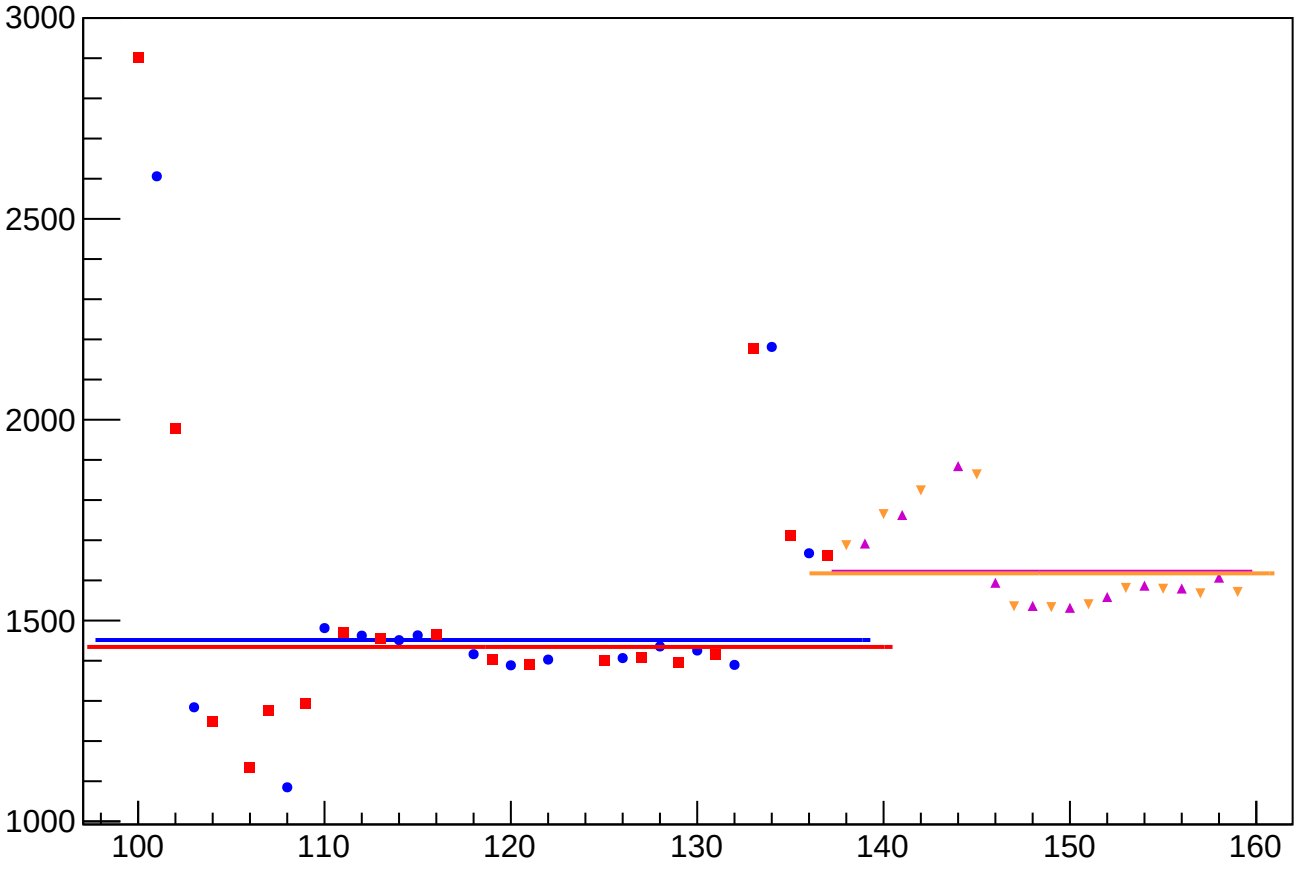
Left: -223.237+/-388.455 χ^2/NDF: 21.8/20

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 196.555+/-388.815 χ^2/NDF:26.4/25

Out: -159.458+/-386.773 χ^2/NDF:39.8/28

All: 17.611+/-274.209 χ^2/NDF: 66.5/54



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1617.505+/-0.388 χ^2/NDF:73030.4/10

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.0/9

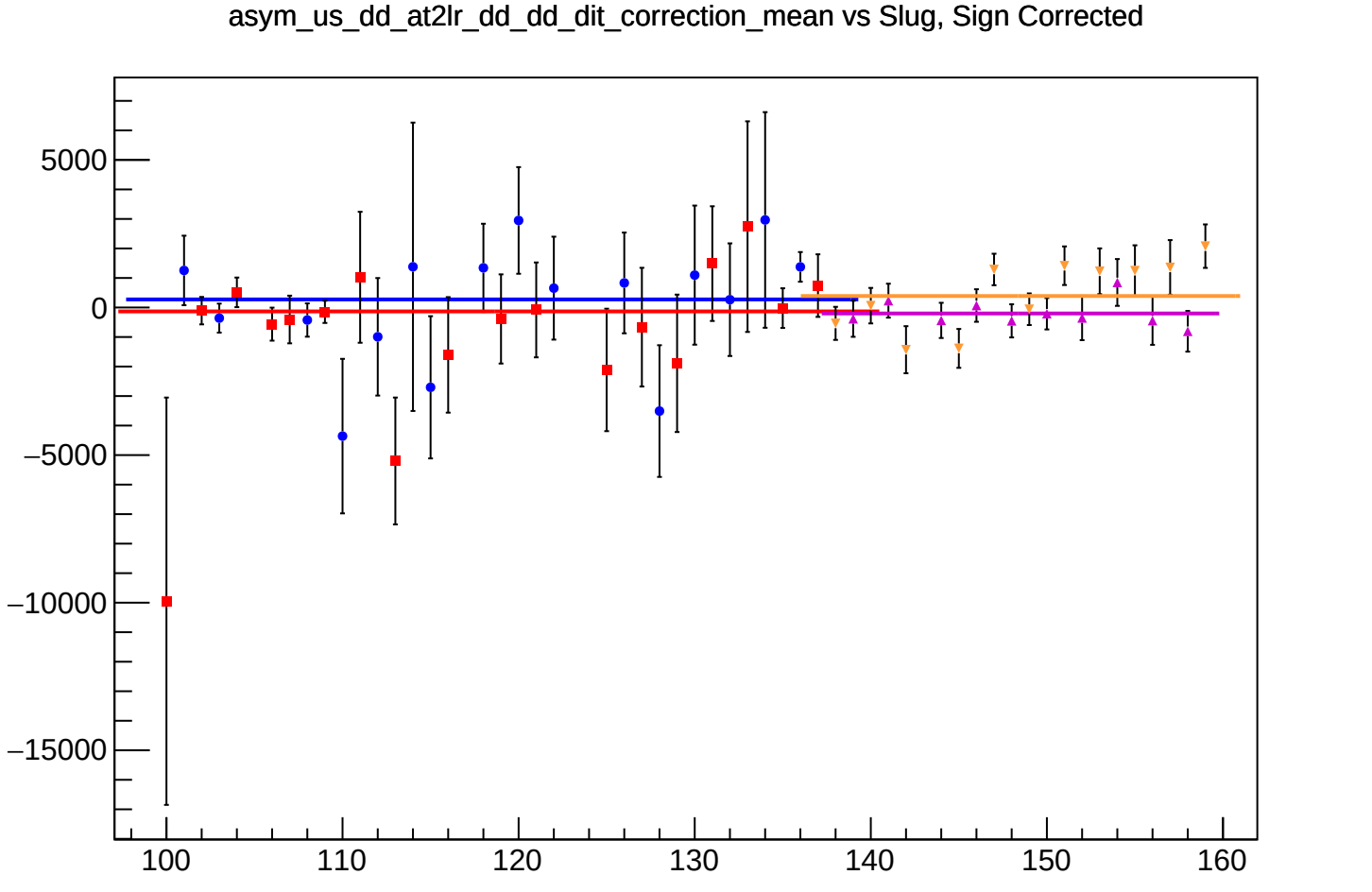
Left: 1619.533+/-0.275 χ^2/NDF: 139242.2/20

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1536.504+/-0.275 χ^2/NDF:649569.1/25

Out: 1525.365+/-0.273 χ^2/NDF:513775.1/28

All: 1530.906+/-0.194 χ^2/NDF: 1164169.3/54



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 388.802+/-199.213 χ^2/NDF:30.0/10

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -202.276+/-198.178 χ^2/NDF:3.9/9

Left: 91.724+/-140.497 χ^2/NDF: 38.3/20

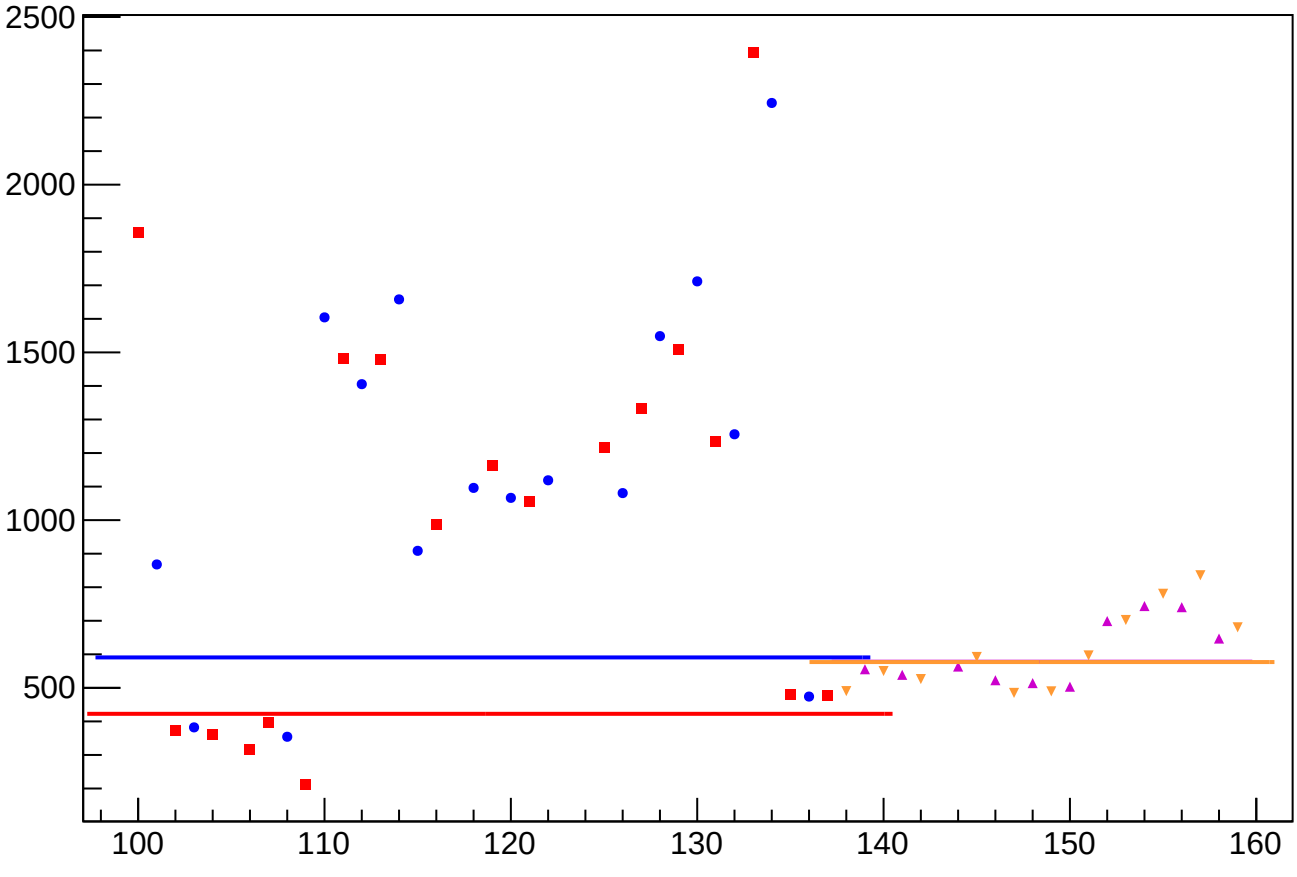
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -27.915+/-157.732 χ^2/NDF:26.2/25

Out: 123.788+/-139.691 χ^2/NDF:47.9/28

All: 57.105+/-104.576 χ^2/NDF: 74.7/54

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: 576.969+/-0.141 χ^2/NDF:535669.3/10

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 577.958+/-0.140 χ^2/NDF:336361.7/9

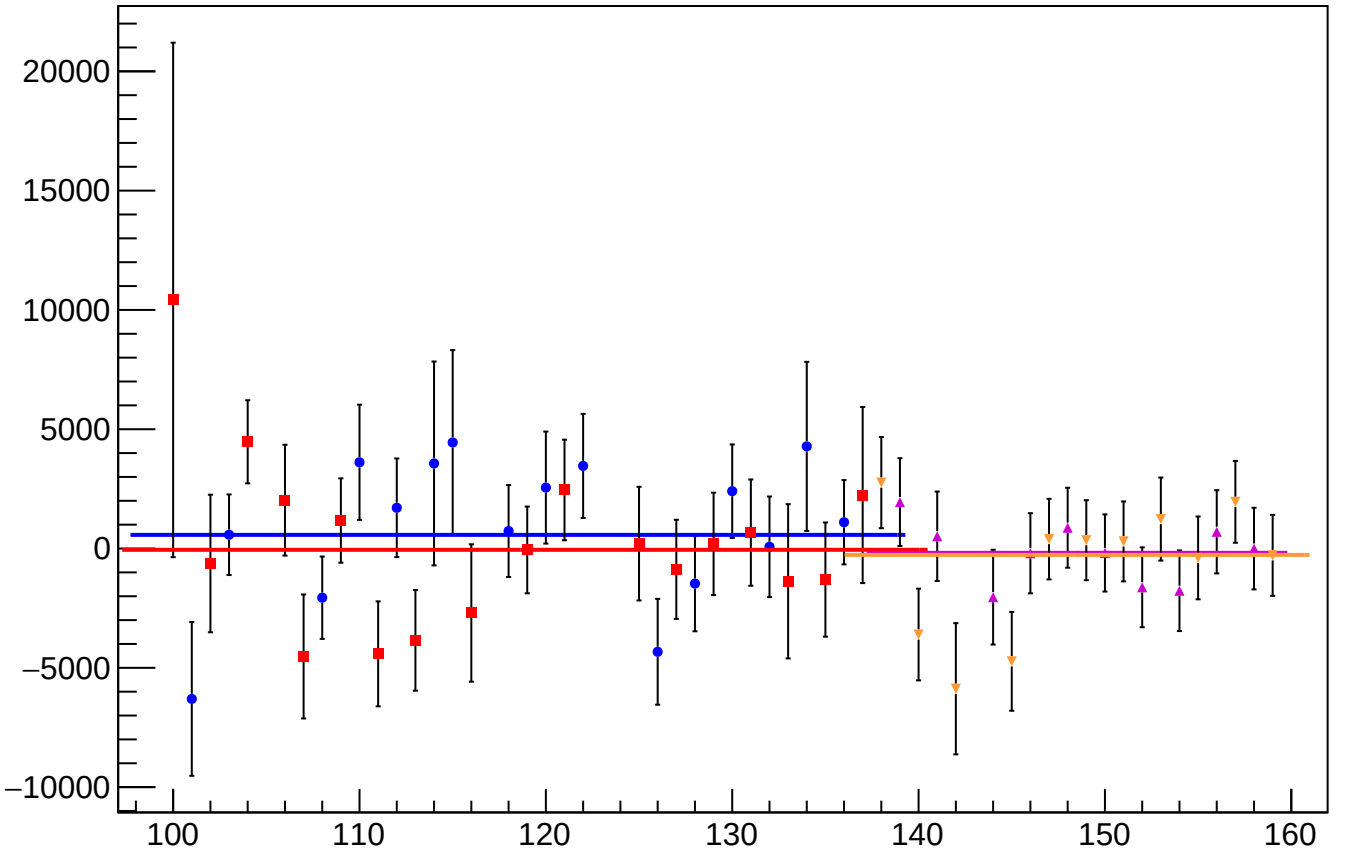
Left: 577.466+/-0.099 χ^2/NDF: 872055.7/20

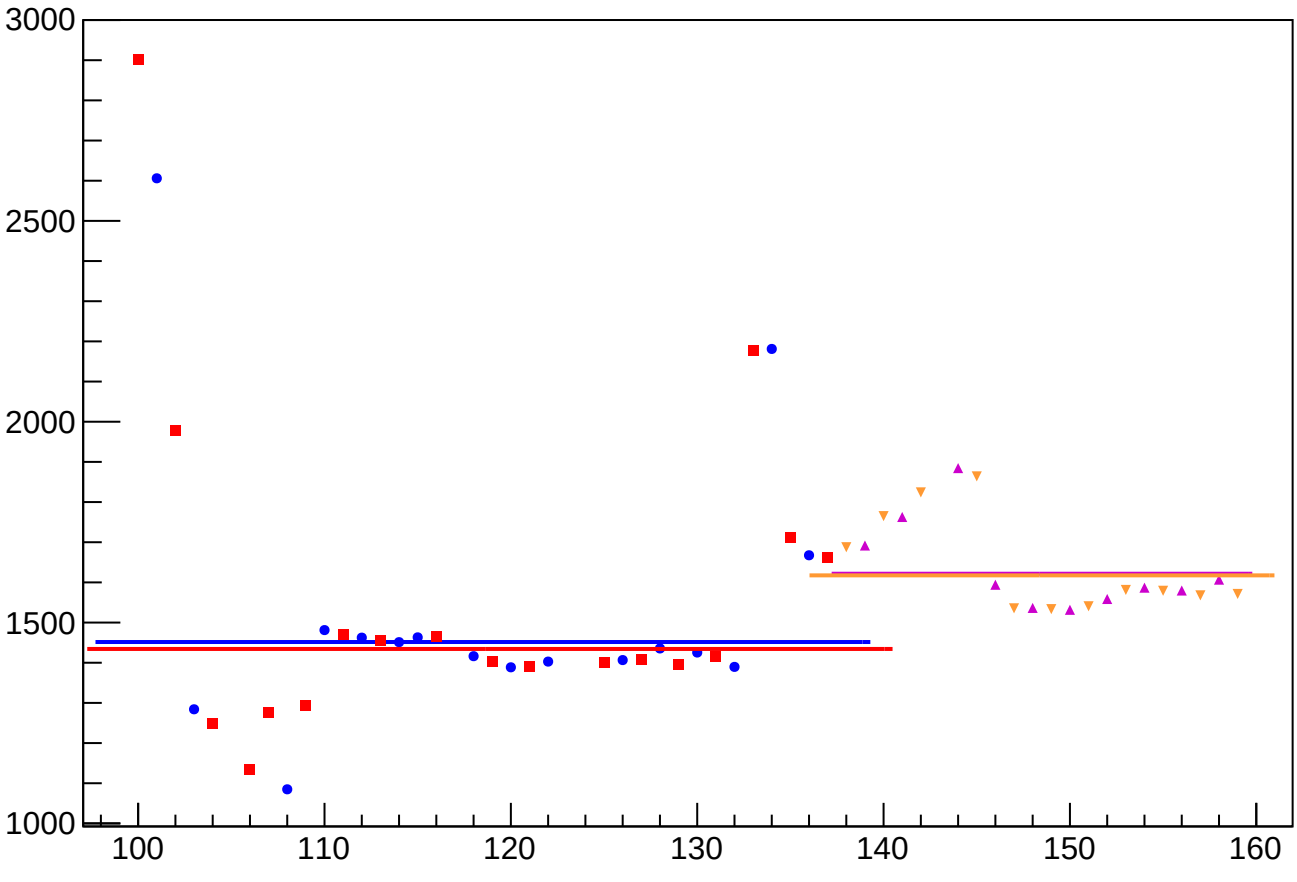
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 582.646+/-0.112 χ^2/NDF:4224917.6/25

Out: 498.518+/-0.099 χ^2/NDF:6003882.1/28

All: 535.498+/-0.074 χ^2/NDF: 10547659.0/54


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
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -266.439+/-548.621 χ²/NDF:17.2/10
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -179.813+/-550.097 χ²/NDF:4.6/9
Left: -223.242+/-388.455 χ²/NDF: 21.8/20
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 196.553+/-388.815 χ²/NDF:26.4/25
Out: -159.460+/-386.773 χ²/NDF:39.8/28
All: 17.609+/-274.209 χ²/NDF: 66.5/54



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1617.505+/-0.388 χ^2/NDF:73030.5/10

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.2/9

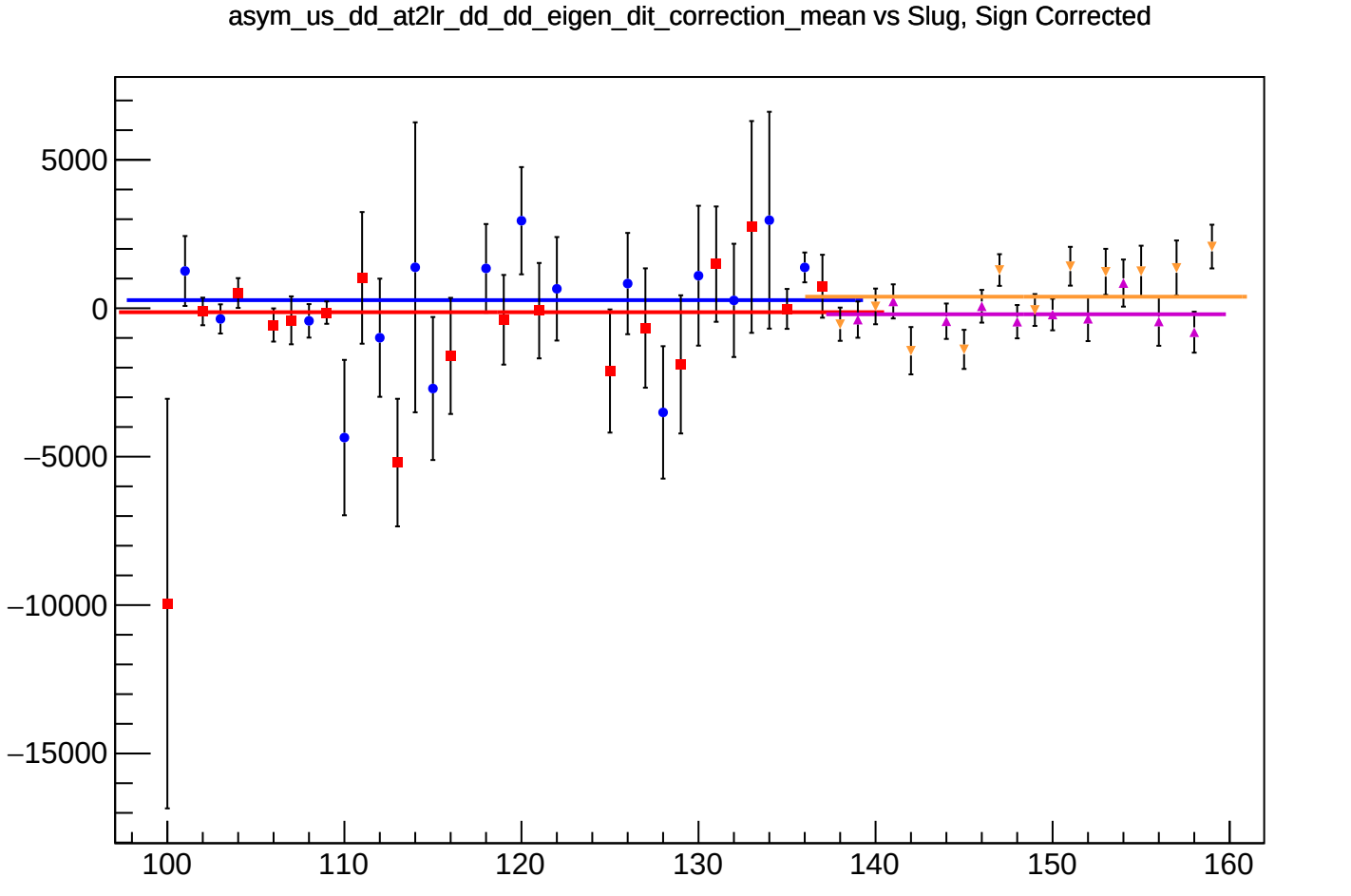
Left: 1619.533+/-0.275 χ^2/NDF: 139242.4/20

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1536.505+/-0.275 χ^2/NDF:649568.8/25

Out: 1525.365+/-0.273 χ^2/NDF:513775.5/28

All: 1530.906+/-0.194 χ^2/NDF: 1164169.4/54



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 388.810+/-199.214 χ^2/NDF:30.0/10

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -202.281+/-198.179 χ^2/NDF:3.9/9

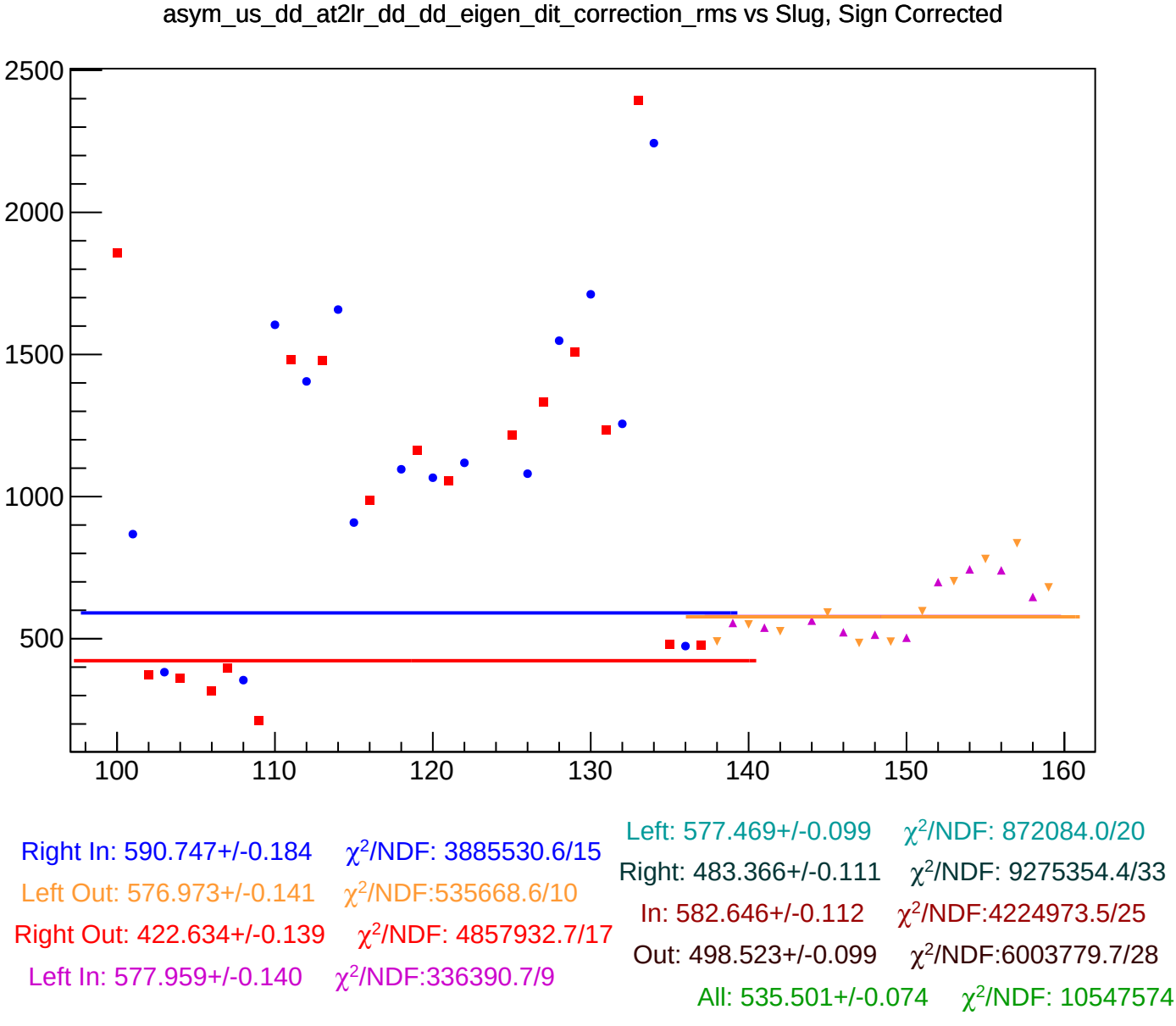
Left: 91.724+/-140.498 χ^2/NDF: 38.3/20

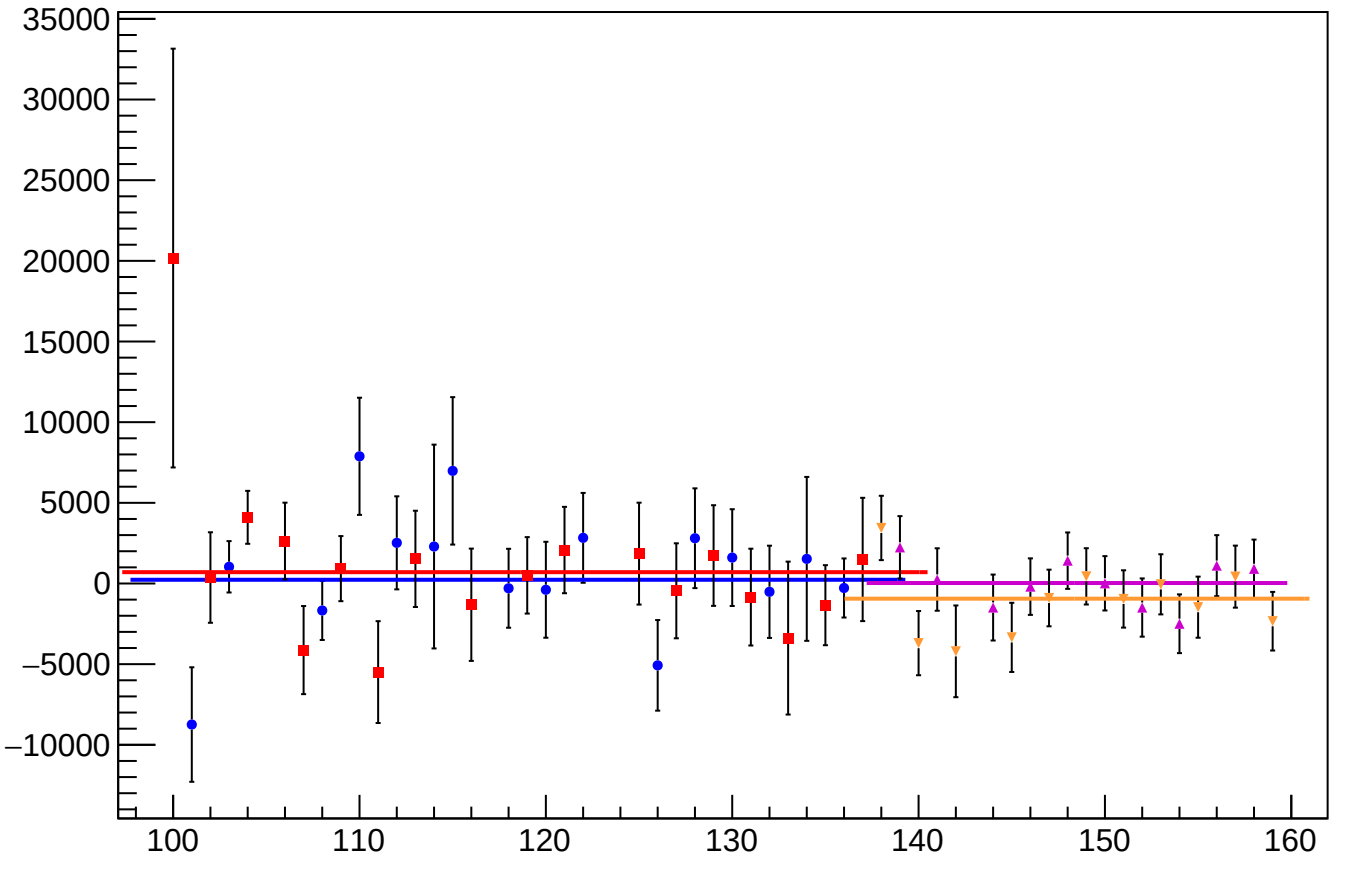
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -27.920+/-157.732 χ^2/NDF:26.2/25

Out: 123.795+/-139.692 χ^2/NDF:47.9/28

All: 57.106+/-104.576 χ^2/NDF: 74.7/54


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 590.747+/-0.184 χ²/NDF: 3885530.6/15
Left Out: 576.973+/-0.141 χ²/NDF:535668.6/10
Right Out: 422.634+/-0.139 χ²/NDF: 4857932.7/17
Left In: 577.959+/-0.140 χ²/NDF:336390.7/9
Left: 577.469+/-0.099 χ²/NDF: 872084.0/20
Right: 483.366+/-0.111 χ²/NDF: 9275354.4/33
In: 582.646+/-0.112 χ²/NDF:4224973.5/25
Out: 498.523+/-0.099 χ²/NDF:6003779.7/28
All: 535.501+/-0.074 χ²/NDF: 10547574.9/54



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -941.260+/-581.687 χ^2/NDF:11.4/10

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 29.593+/-580.119 χ^2/NDF:5.7/9

Left: -454.523+/-410.759 χ^2/NDF: 18.5/20

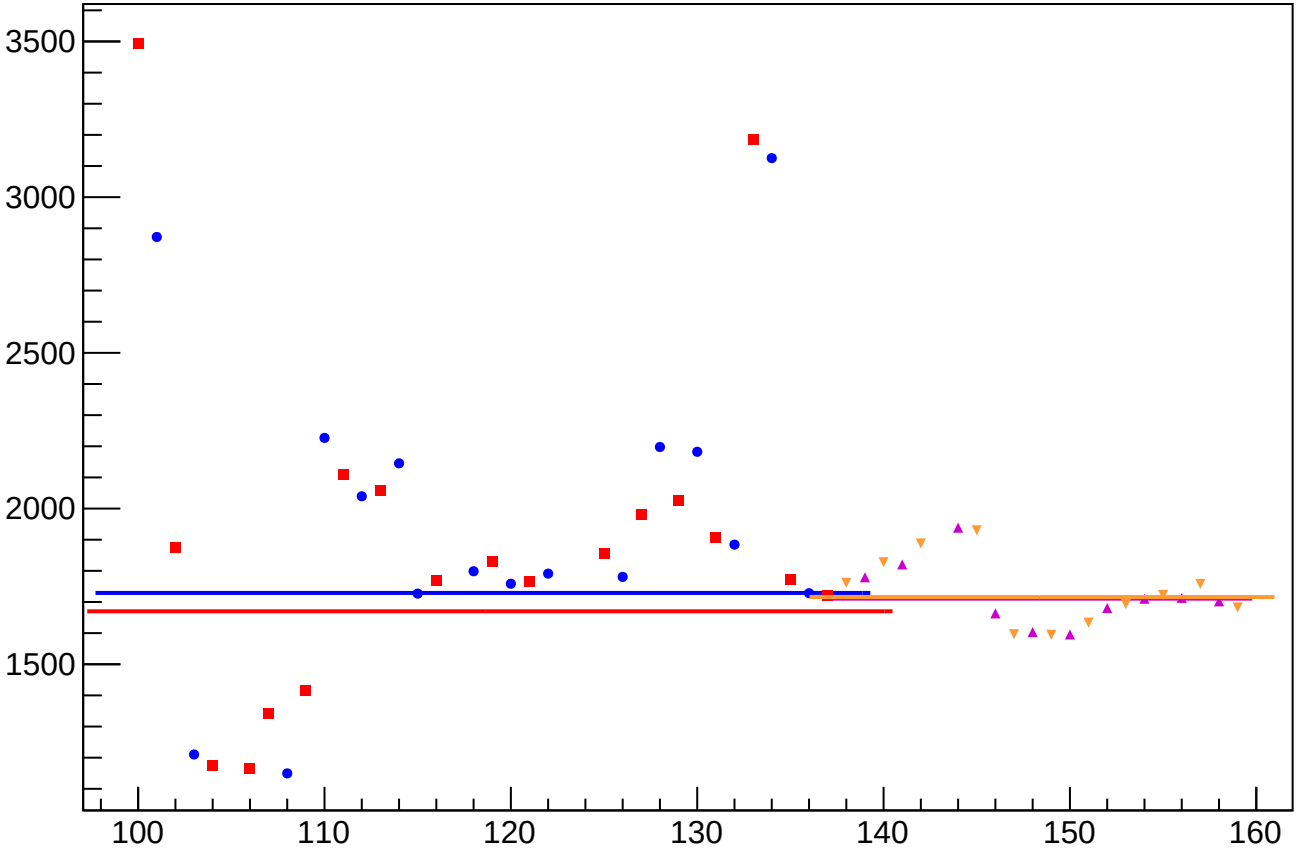
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 116.342+/-437.507 χ^2/NDF:26.5/25

Out: -208.269+/-432.962 χ^2/NDF:31.9/28

All: -47.658+/-307.745 χ^2/NDF: 58.7/54

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: 1715.775+/-0.411 χ^2/NDF:59823.9/10

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1710.743+/-0.410 χ^2/NDF:52774.9/9

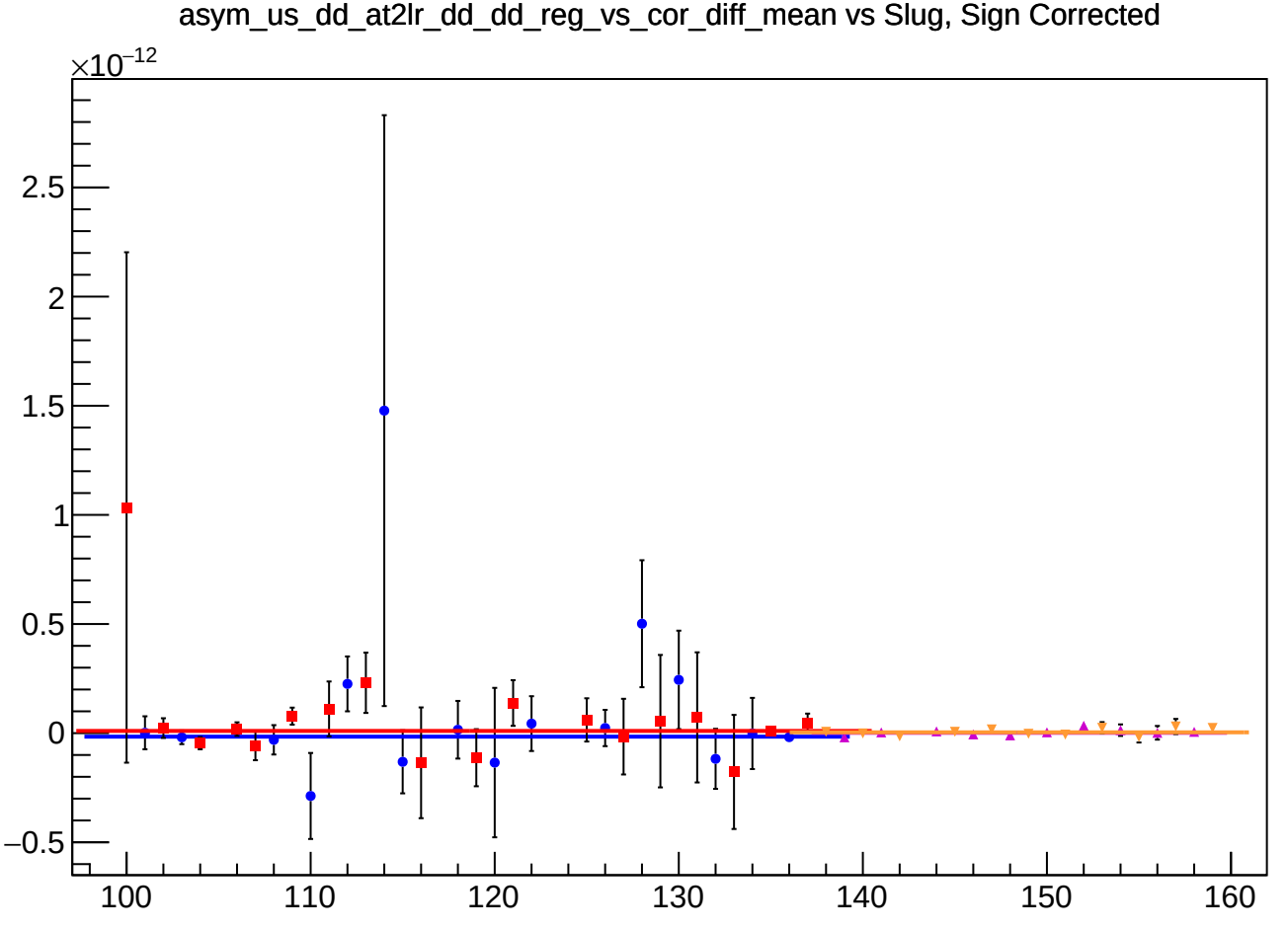
Left: 1713.252+/-0.290 χ^2/NDF: 112673.8/20

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1718.637+/-0.309 χ^2/NDF:995712.9/25

Out: 1695.385+/-0.306 χ^2/NDF:809786.0/28

All: 1706.890+/-0.218 χ^2/NDF: 1808353.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

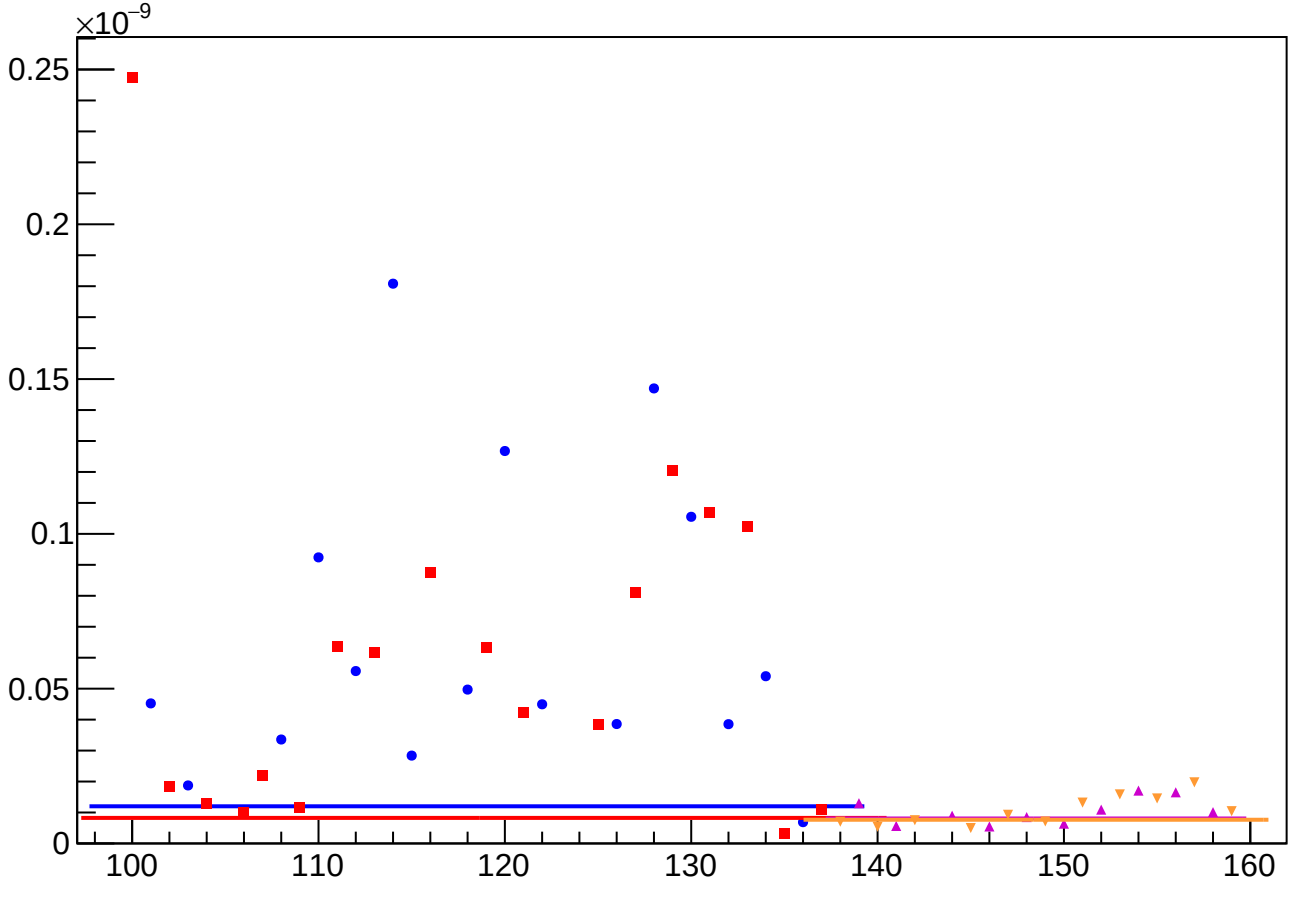
Left: 0.000+/-0.000 χ^2/NDF: 11.9/20

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:21.6/25

Out: 0.000+/-0.000 χ^2/NDF:22.8/28

All: 0.000+/-0.000 χ^2/NDF: 45.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1100292.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:899737.4/9

Left: 0.000+/-0.000 χ^2/NDF: 2008274.3/20

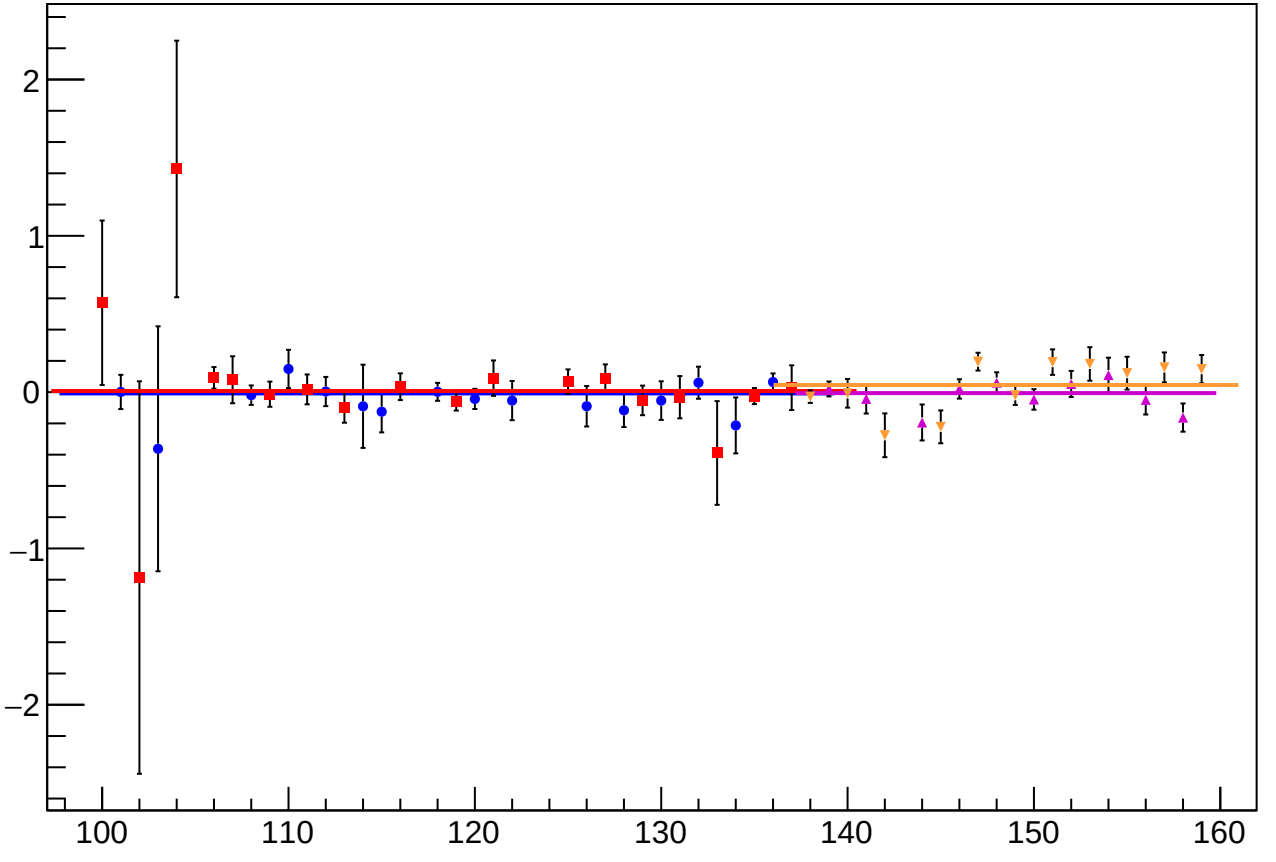
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4573001.2/25

Out: 0.000+/-0.000 χ^2/NDF:4617899.1/28

All: 0.000+/-0.000 χ^2/NDF: 9242618.4/54

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: 0.046+/-0.022 χ^2/NDF:31.5/10

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.021+/-0.016 χ^2/NDF: 43.6/20

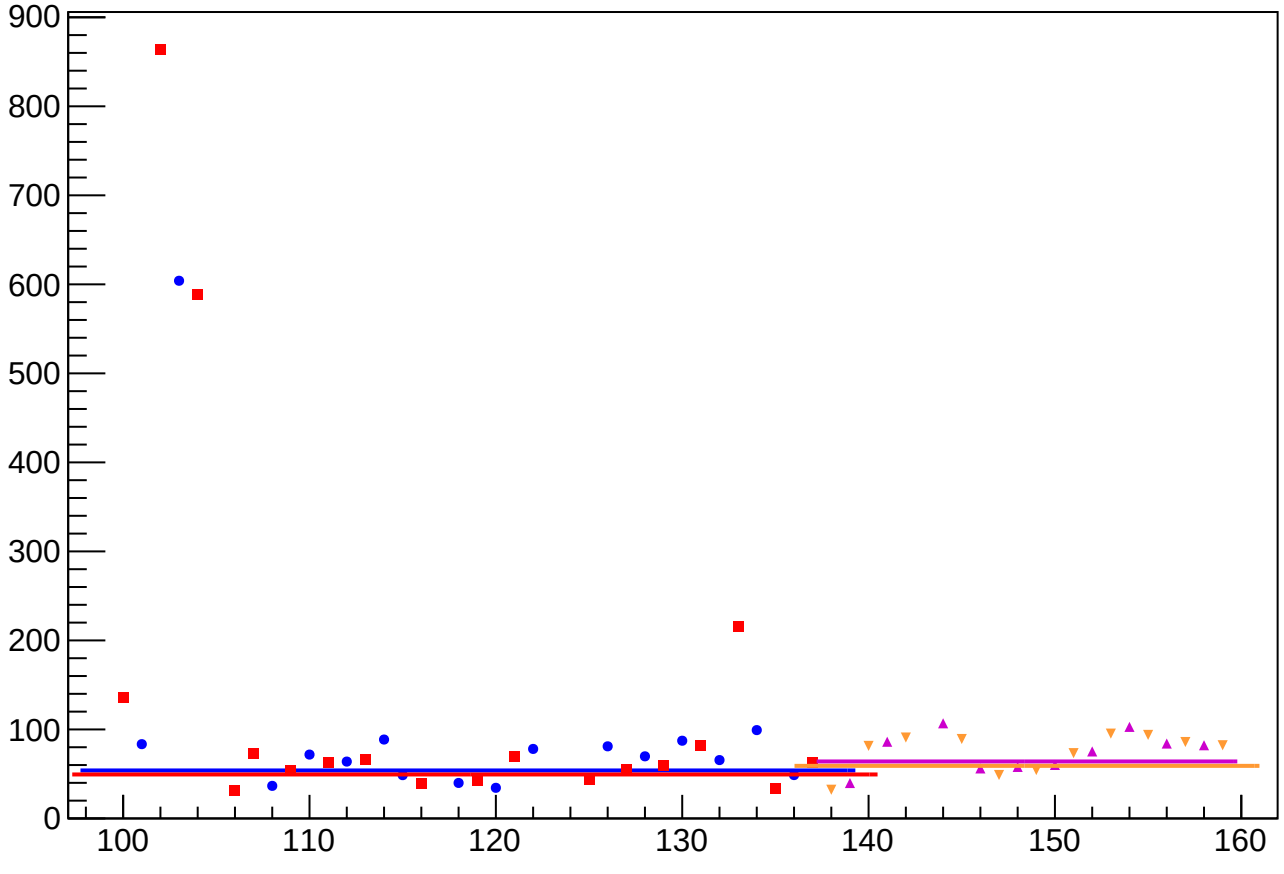
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.7/54

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: 59.082+/-0.016 χ^2/NDF:2162142.3/10

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

Left: 61.423+/-0.011 χ^2/NDF: 3625064.3/20

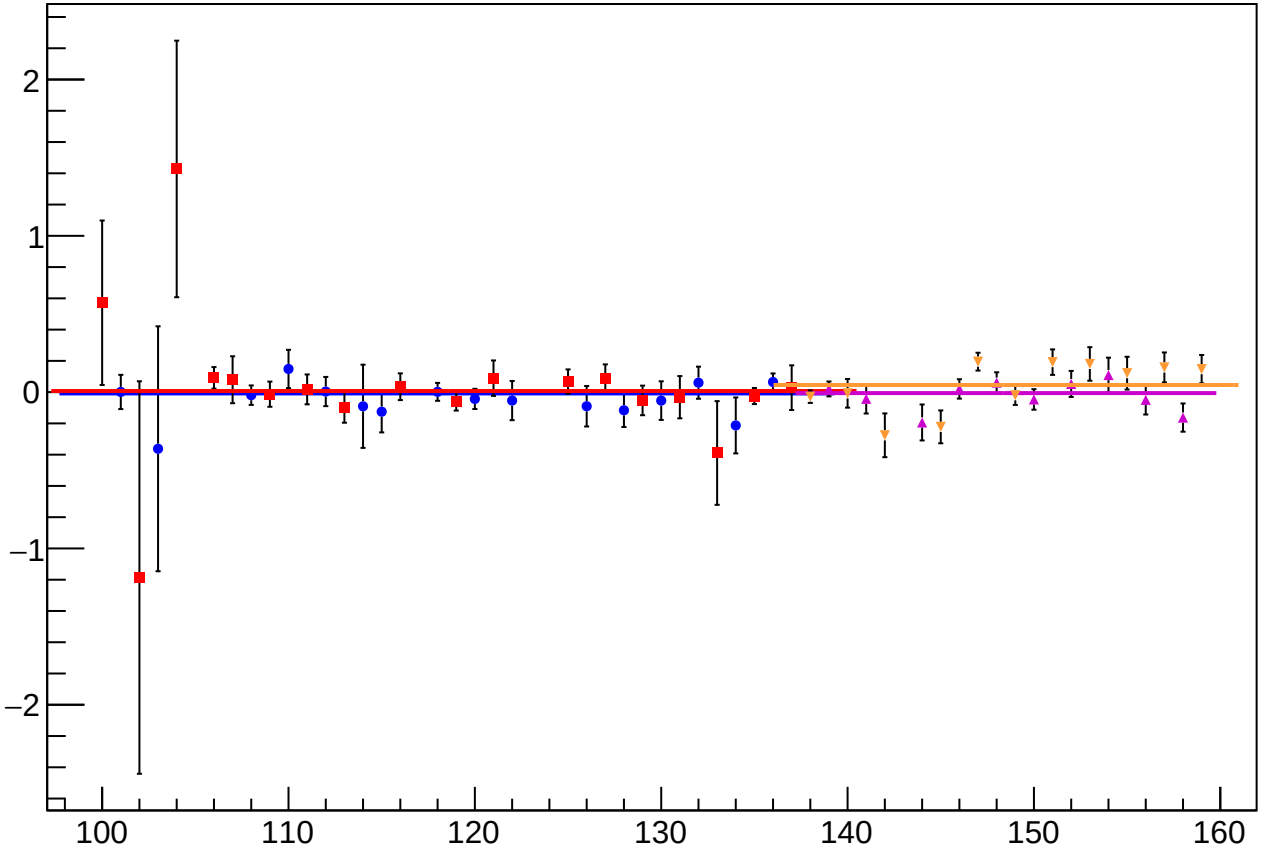
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 58.892+/-0.012 χ^2/NDF:3818496.2/25

Out: 54.240+/-0.011 χ^2/NDF:5368459.4/28

All: 56.458+/-0.008 χ^2/NDF: 9270359.8/54

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: 0.046+/-0.022 χ^2/NDF:31.5/10

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.021+/-0.016 χ^2/NDF: 43.6/20

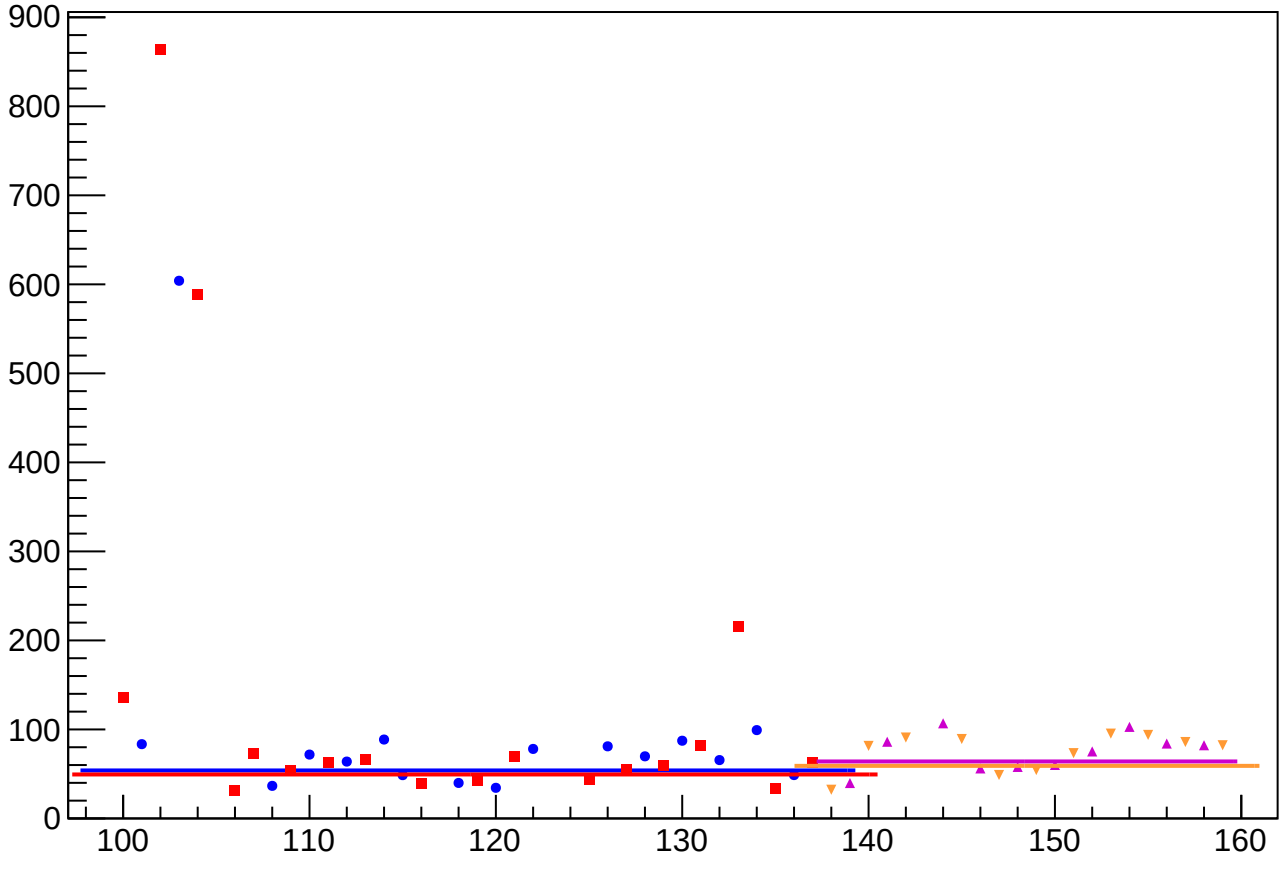
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.7/54

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: 59.082+/-0.016 χ^2/NDF:2162142.3/10

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

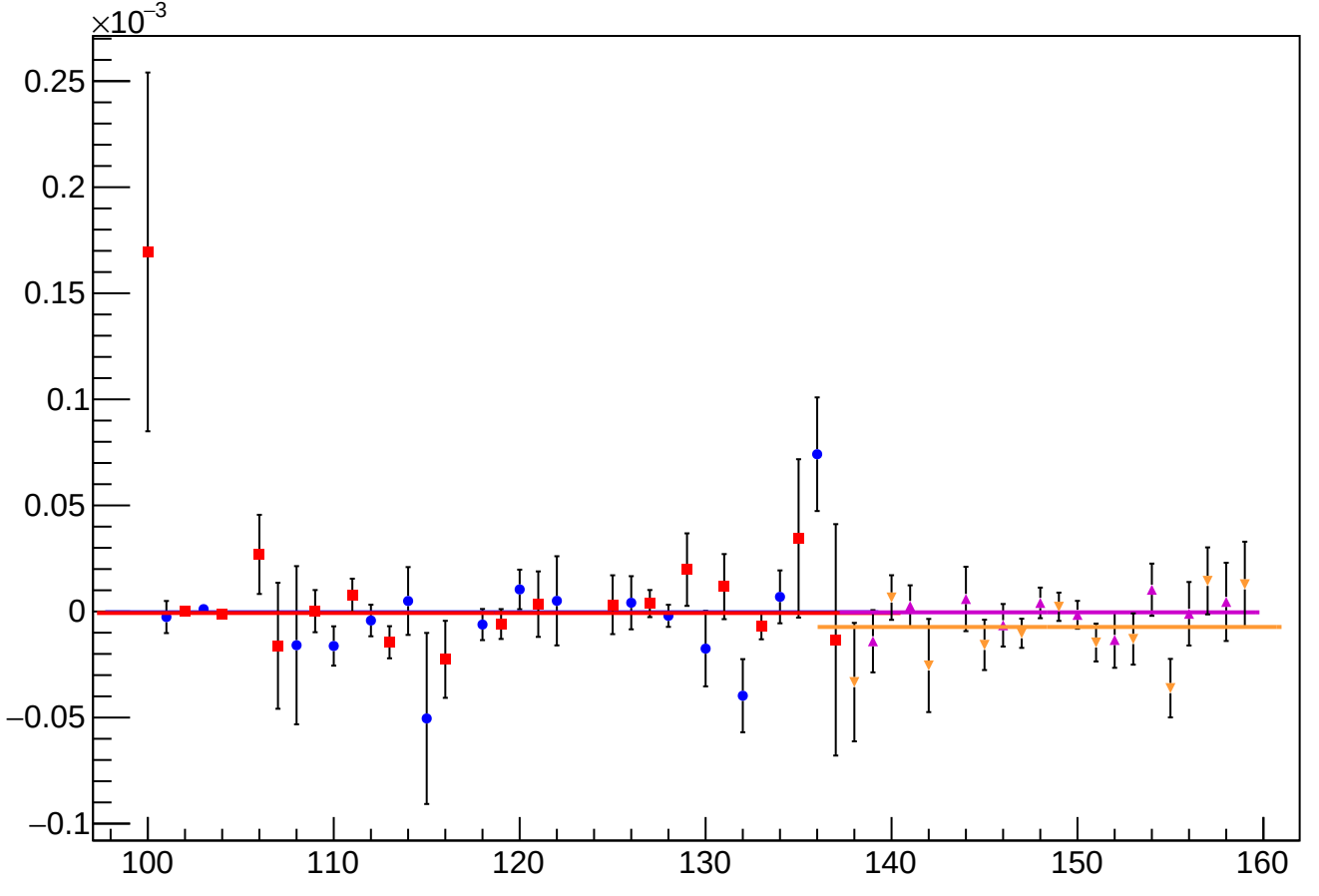
Left: 61.423+/-0.011 χ^2/NDF: 3625064.3/20

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 58.892+/-0.012 χ^2/NDF:3818496.2/25

Out: 54.240+/-0.011 χ^2/NDF:5368459.4/28

All: 56.458+/-0.008 χ^2/NDF: 9270359.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.7/9

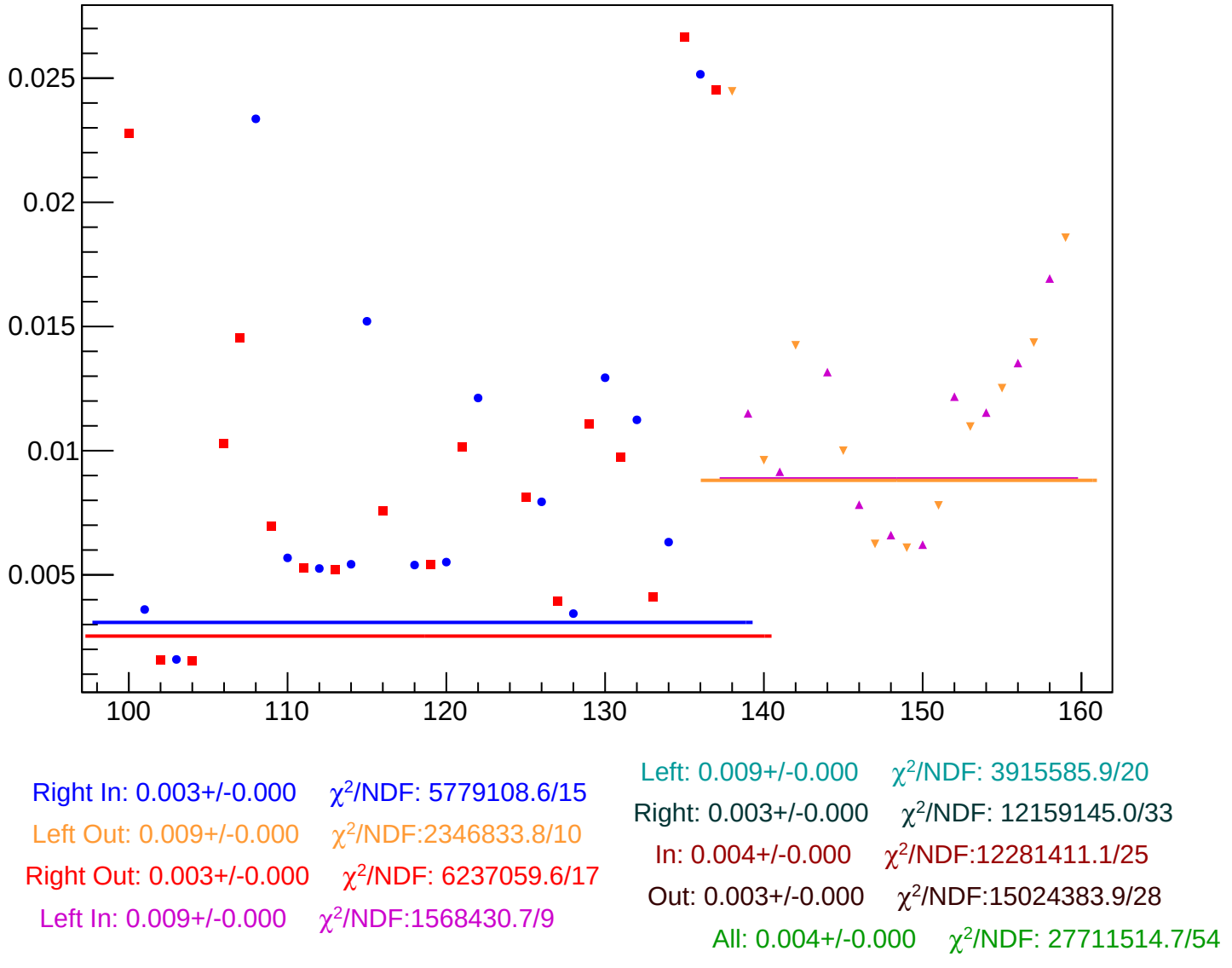
Left: -0.000+/-0.000 χ^2/NDF: 20.1/20

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

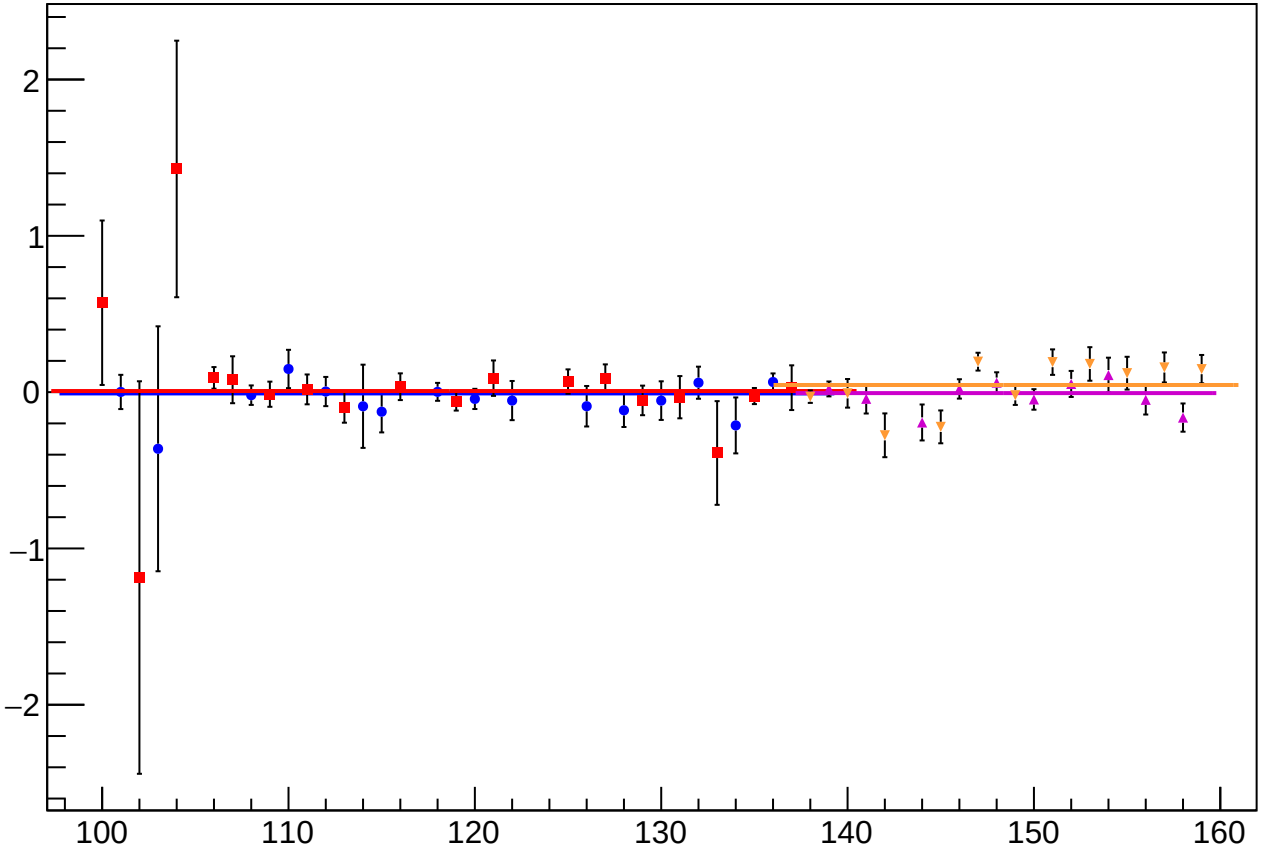
In: -0.000+/-0.000 χ^2/NDF:25.8/25

Out: -0.000+/-0.000 χ^2/NDF:35.6/28

All: -0.000+/-0.000 χ^2/NDF: 61.8/54


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.009+/-0.000 χ²/NDF:2346833.8/10
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.009+/-0.000 χ²/NDF:1568430.7/9
Left: 0.009+/-0.000 χ²/NDF: 3915585.9/20
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:12281411.1/25
Out: 0.003+/-0.000 χ²/NDF:15024383.9/28
All: 0.004+/-0.000 χ²/NDF: 27711514.7/54

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: 0.046+/-0.022 χ^2/NDF:31.5/10

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.021+/-0.016 χ^2/NDF: 43.6/20

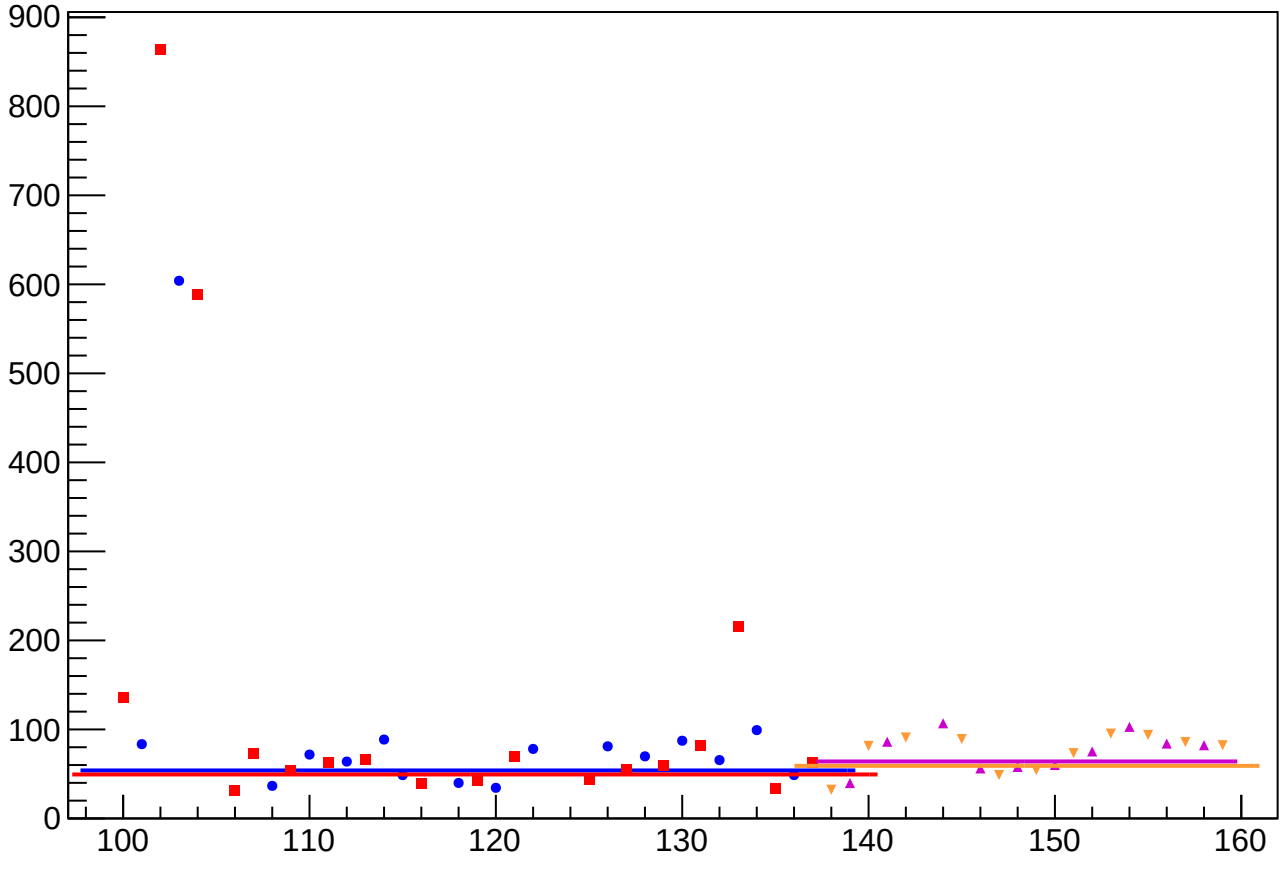
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.7/54

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: 59.086+/-0.016 χ^2/NDF:2161479.4/10

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

Left: 61.425+/-0.011 χ^2/NDF: 3624496.3/20

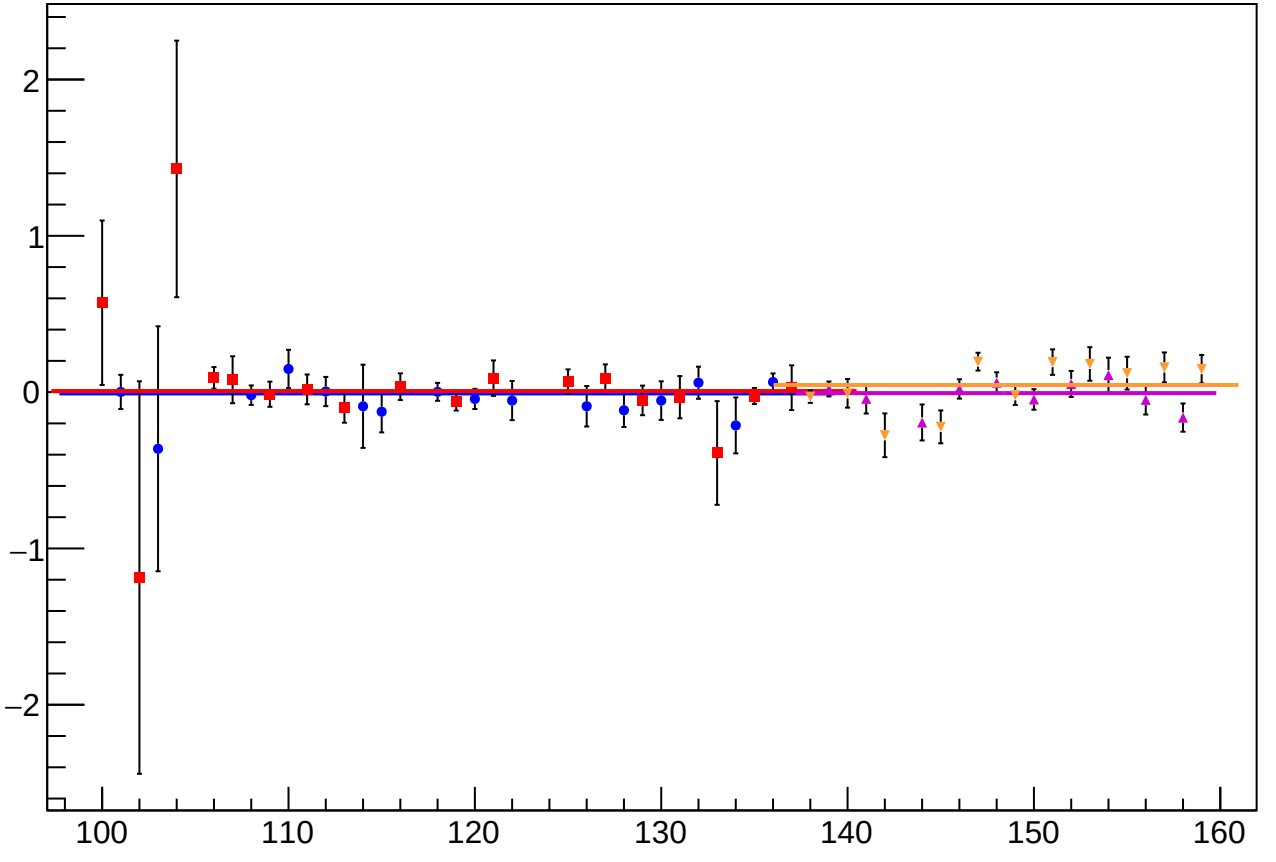
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 58.894+/-0.012 χ^2/NDF:3818132.0/25

Out: 54.243+/-0.011 χ^2/NDF:5367588.6/28

All: 56.461+/-0.008 χ^2/NDF: 9269072.7/54

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: 0.046+/-0.022 χ^2/NDF:31.5/10

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.021+/-0.016 χ^2/NDF: 43.6/20

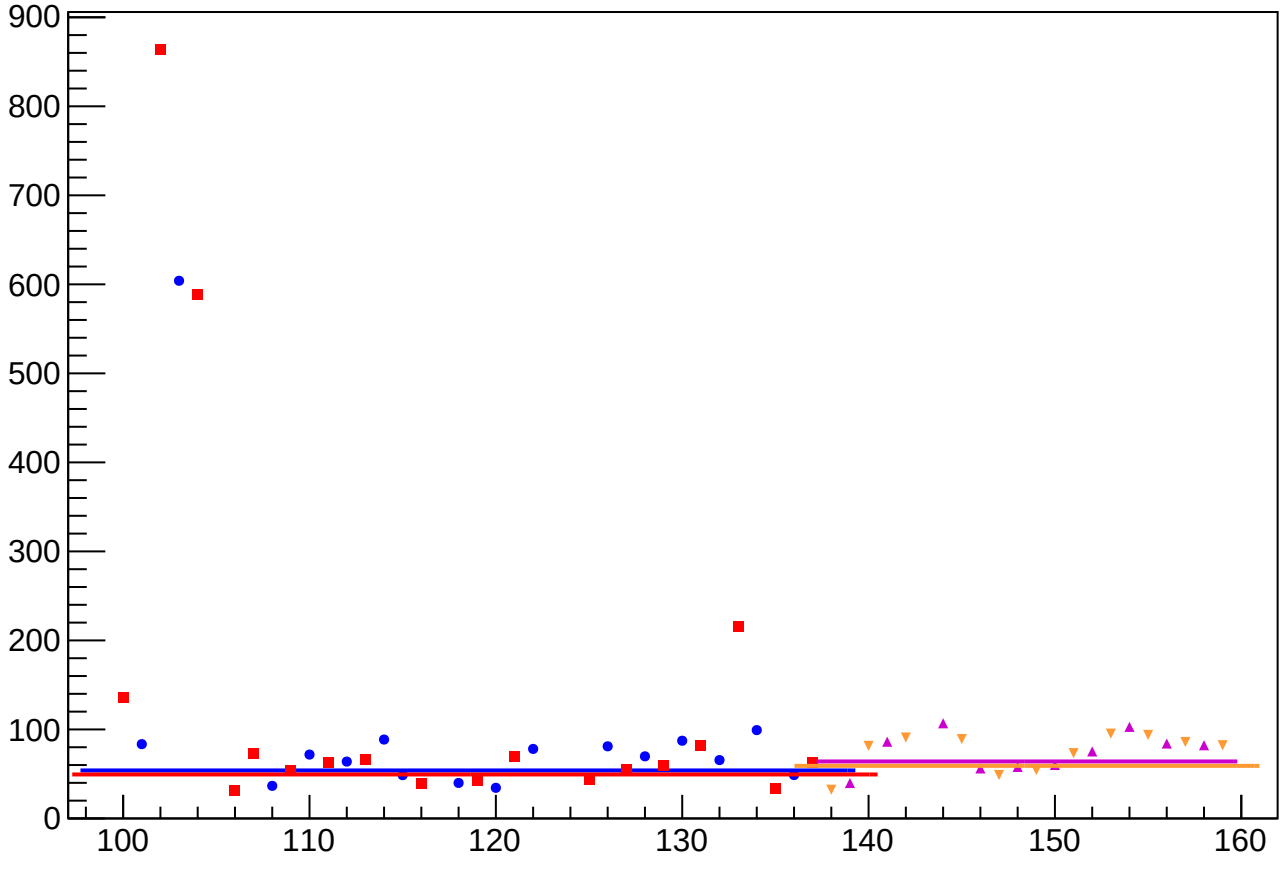
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.7/54

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: 59.086+/-0.016 χ^2/NDF:2161479.4/10

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

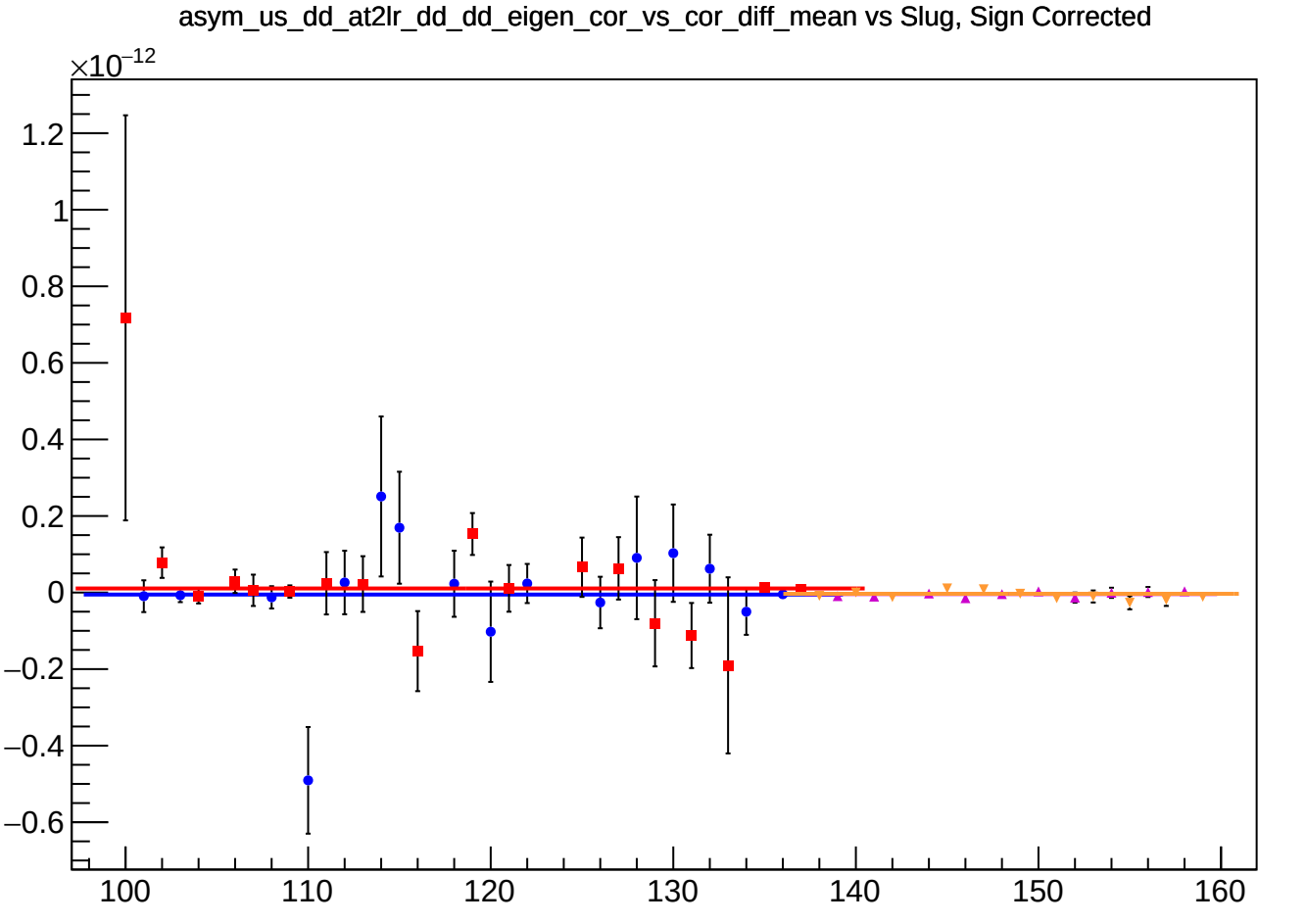
Left: 61.425+/-0.011 χ^2/NDF: 3624496.3/20

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 58.894+/-0.012 χ^2/NDF:3818132.0/25

Out: 54.243+/-0.011 χ^2/NDF:5367588.6/28

All: 56.461+/-0.008 χ^2/NDF: 9269072.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/9

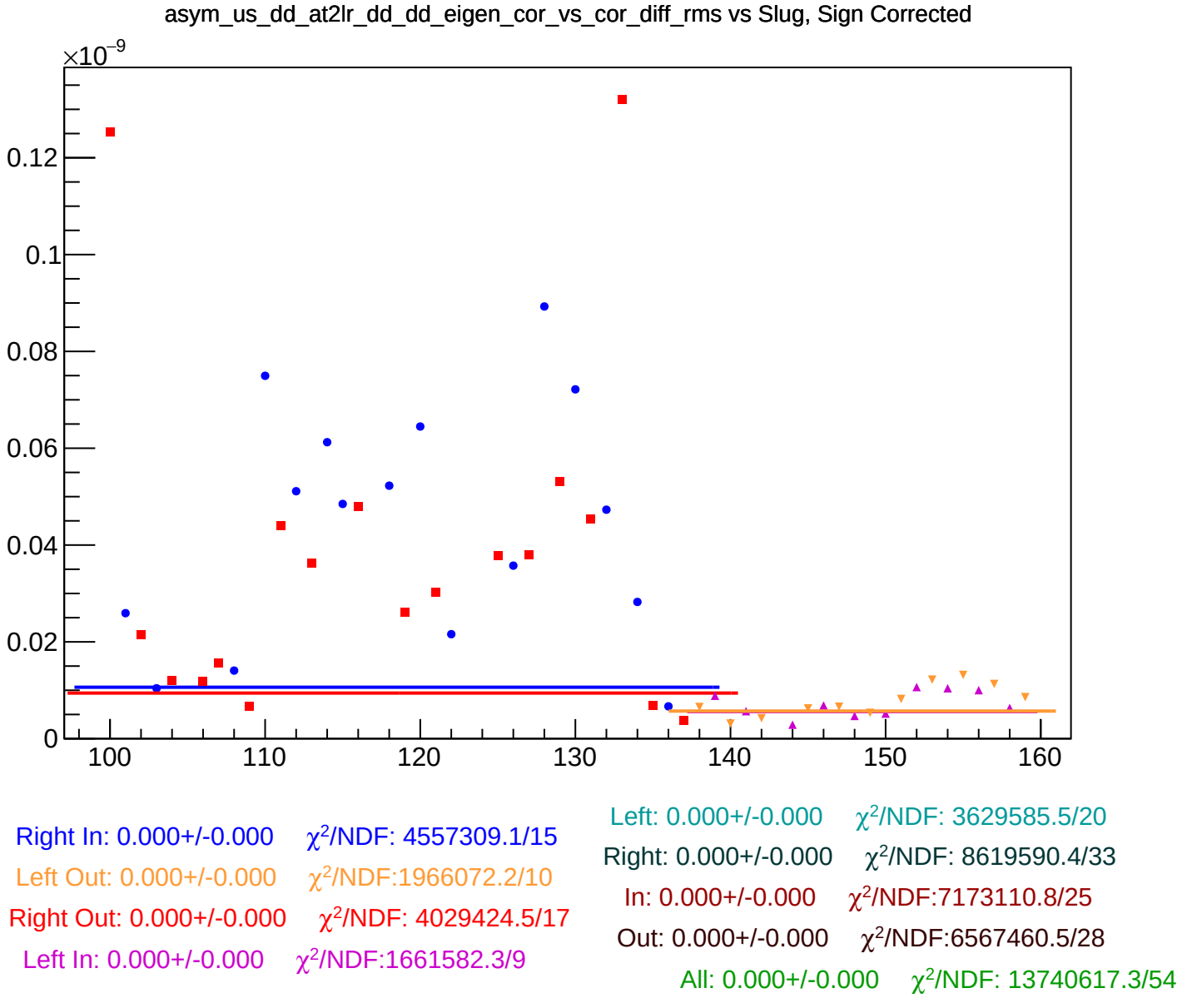
Left: -0.000+/-0.000 χ^2/NDF: 16.8/20

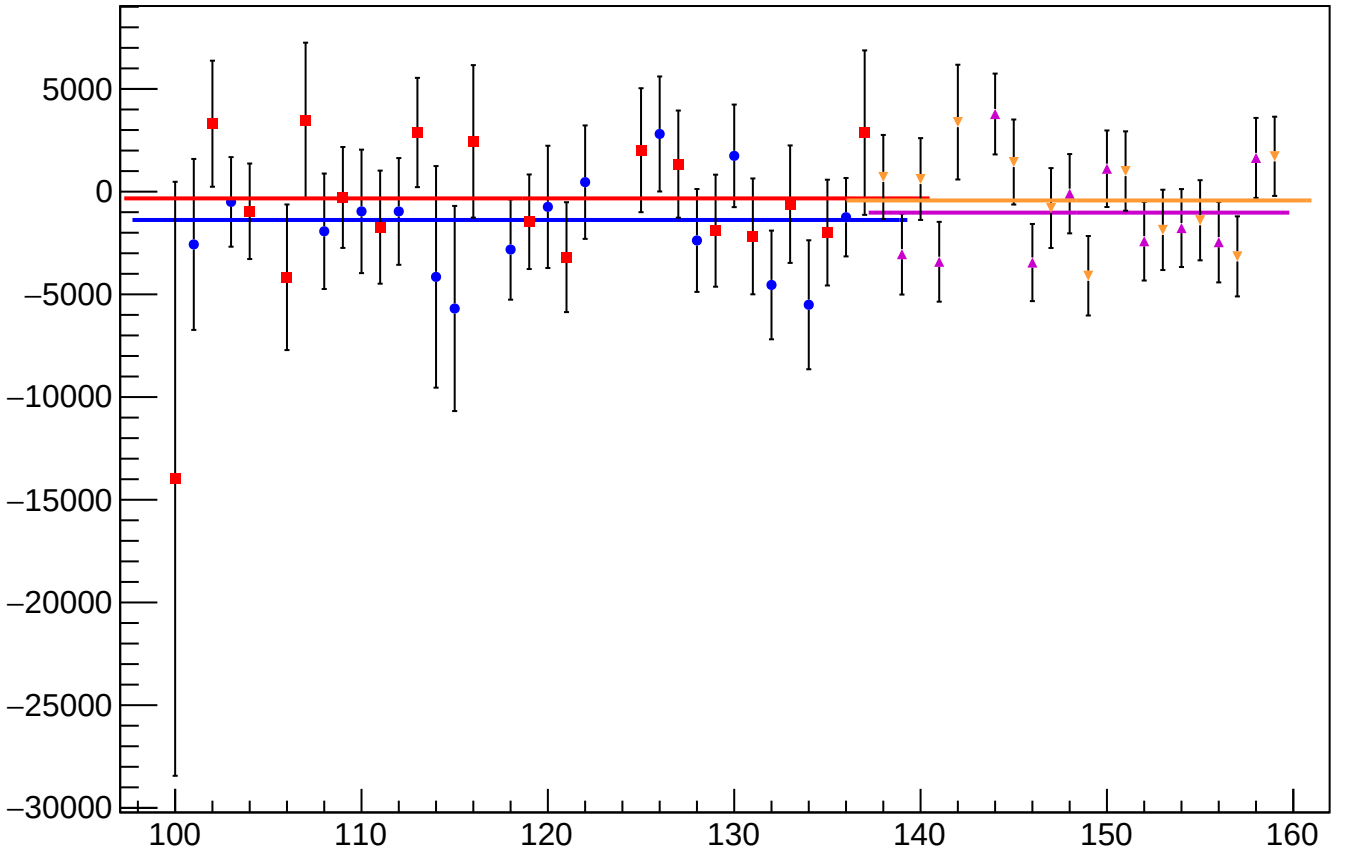
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:23.9/25

Out: -0.000+/-0.000 χ^2/NDF:35.6/28

All: -0.000+/-0.000 χ^2/NDF: 60.2/54


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
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1966072.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:1661582.3/9
Left: 0.000+/-0.000 χ²/NDF: 3629585.5/20
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:7173110.8/25
Out: 0.000+/-0.000 χ²/NDF:6567460.5/28
All: 0.000+/-0.000 χ²/NDF: 13740617.3/54



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -428.305+/-607.602 χ^2/NDF:11.4/10

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1022.130+/-608.995 χ^2/NDF:14.8/9

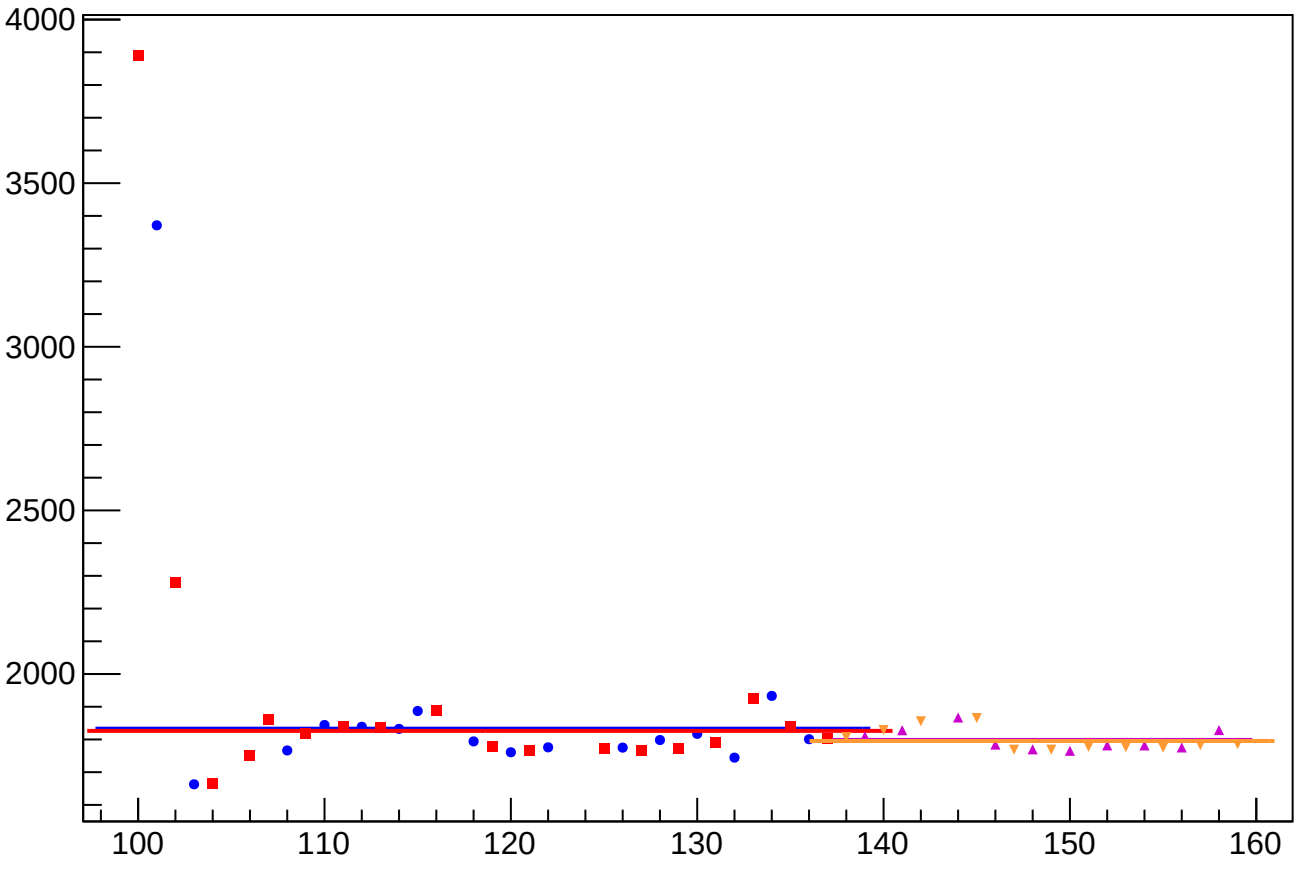
Left: -724.537+/-430.131 χ^2/NDF: 26.7/20

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1178.538+/-456.310 χ^2/NDF:24.3/25

Out: -384.396+/-454.226 χ^2/NDF:22.5/28

All: -779.649+/-321.920 χ^2/NDF: 48.3/54



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1795.335+/-0.430 χ^2/NDF:5312.6/10

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

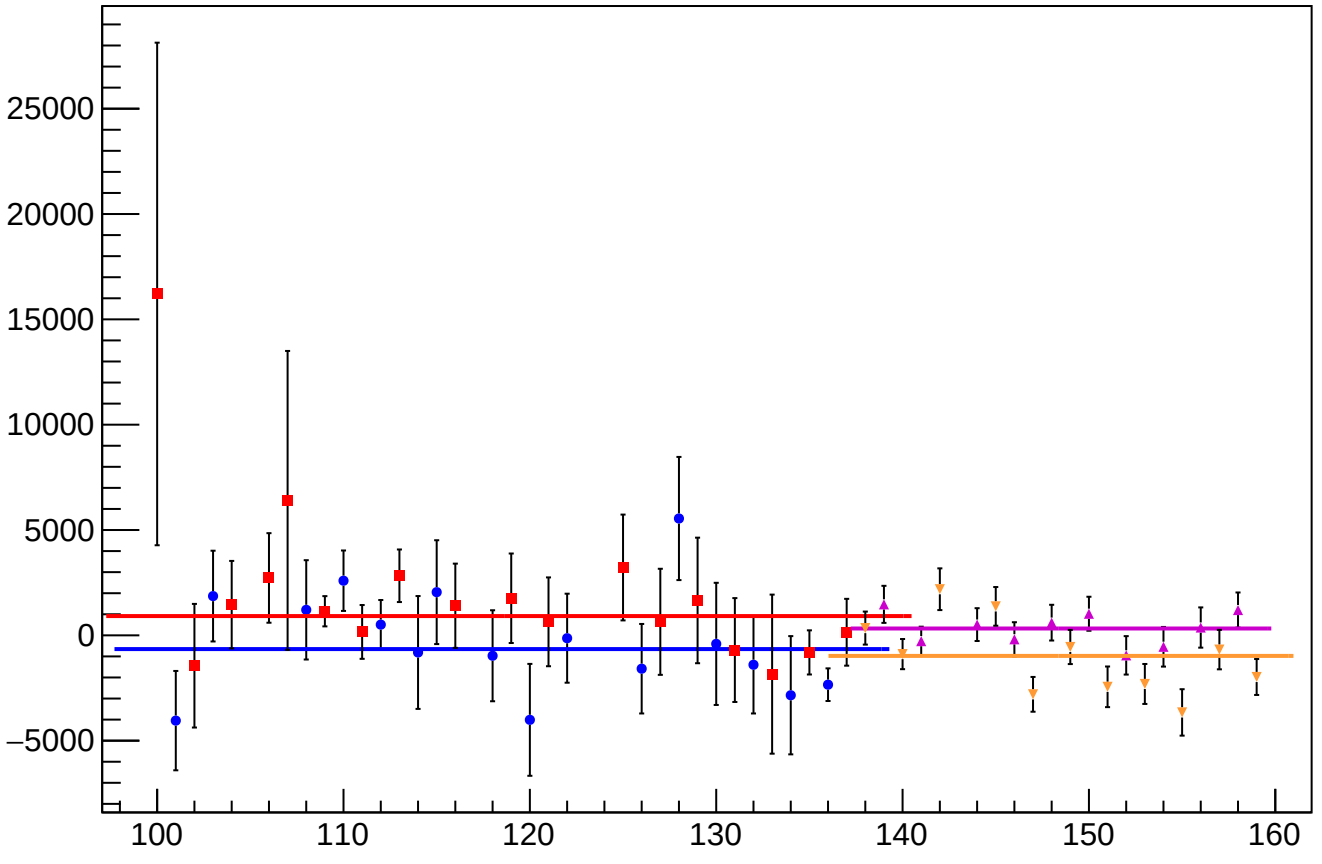
Left: 1796.958+/-0.304 χ^2/NDF: 10555.4/20

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1813.657+/-0.323 χ^2/NDF:303445.5/25

Out: 1808.954+/-0.321 χ^2/NDF:110597.0/28

All: 1811.295+/-0.228 χ^2/NDF: 414149.2/54



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -975.950+/-264.458 χ^2/NDF:36.5/10

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 324.644+/-263.680 χ^2/NDF:7.7/9

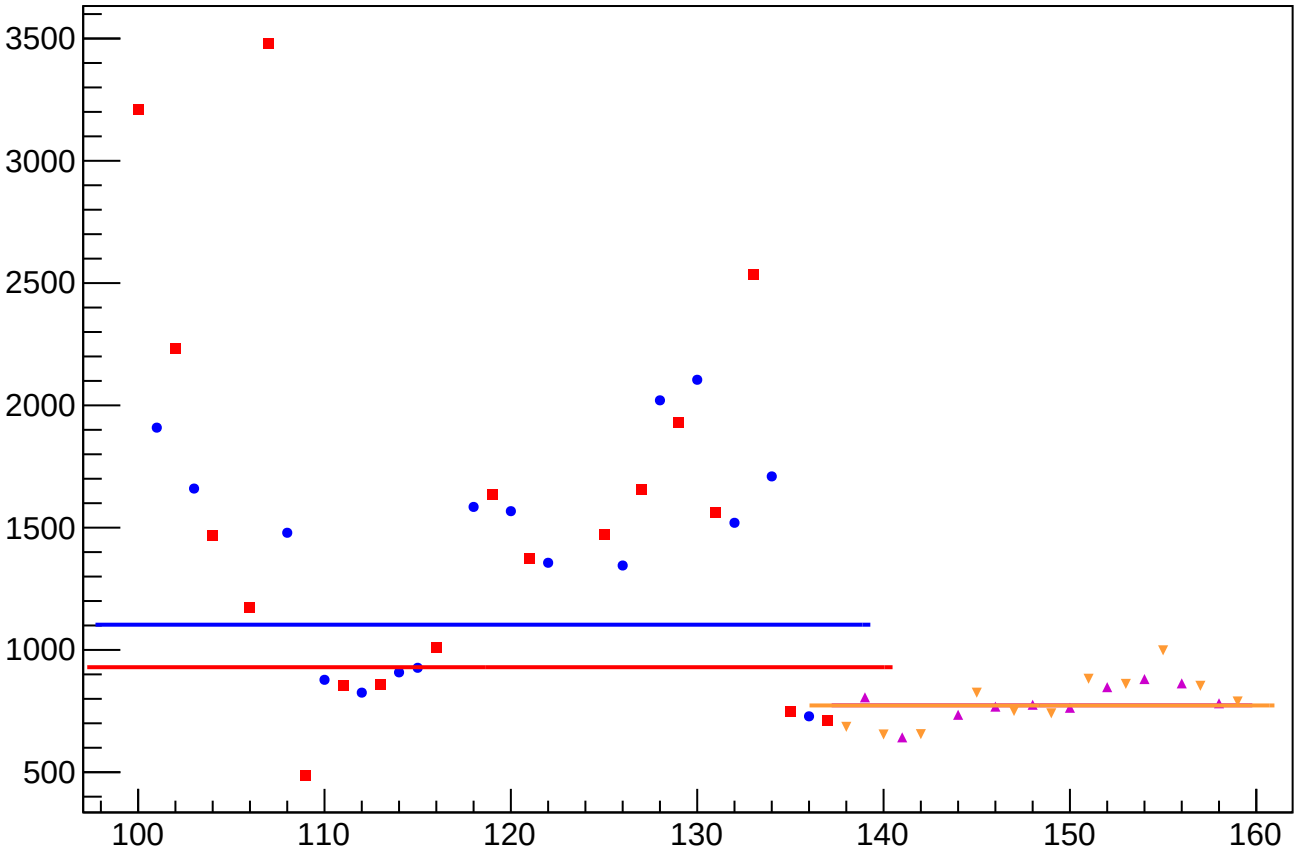
Left: -323.738+/-186.724 χ^2/NDF: 56.3/20

Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 68.430+/-226.465 χ^2/NDF:34.5/25

Out: -387.528+/-219.480 χ^2/NDF:63.9/28

All: -166.689+/-157.607 χ^2/NDF: 100.5/54



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 772.992+/-0.187 χ^2/NDF:261084.7/10

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 773.605+/-0.186 χ^2/NDF:138128.3/9

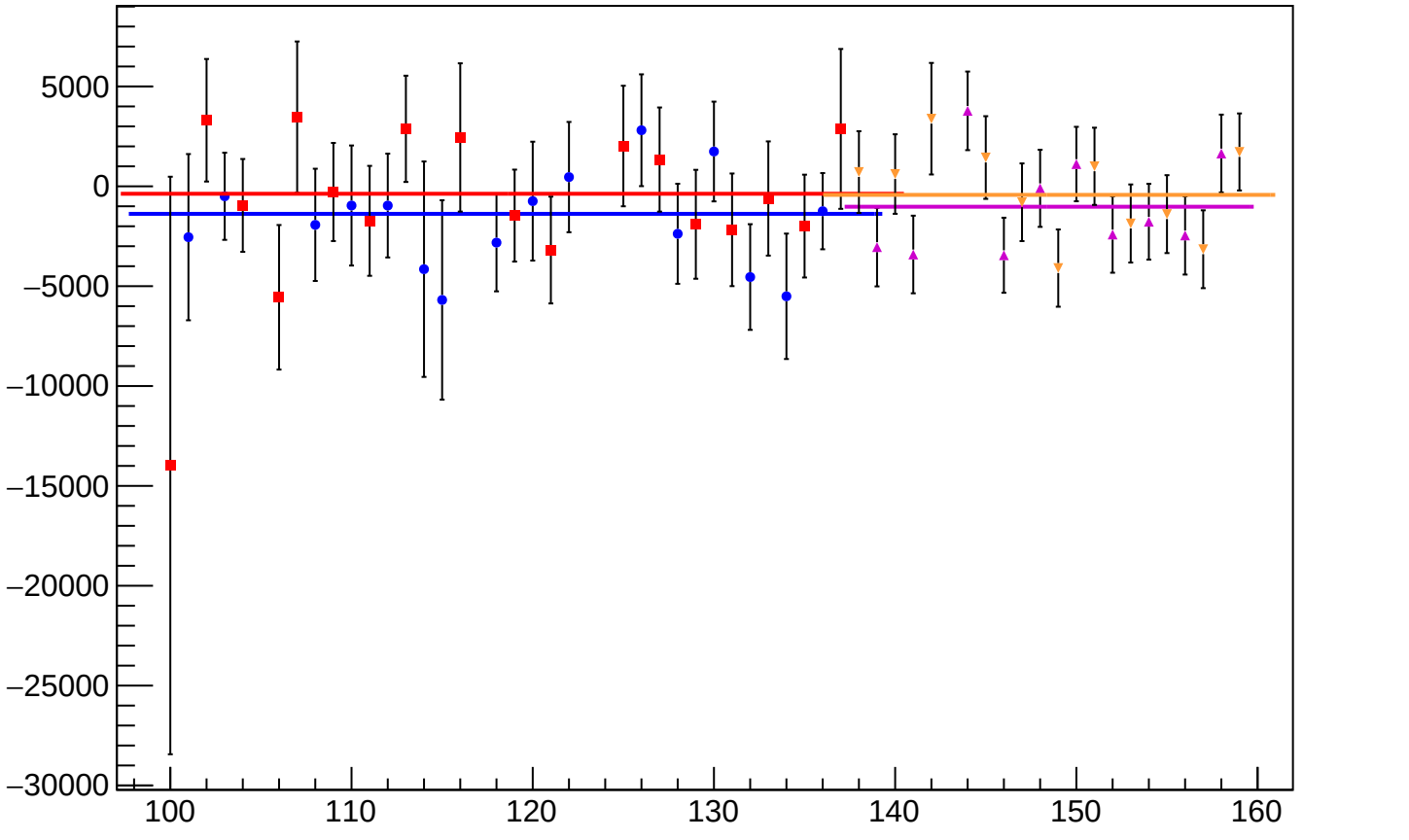
Left: 773.299+/-0.132 χ^2/NDF: 399218.4/20

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 860.072+/-0.160 χ^2/NDF:2836062.1/25

Out: 821.656+/-0.155 χ^2/NDF:3532781.7/28

All: 840.263+/-0.111 χ^2/NDF: 6398519.3/54



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -428.168+/-607.602 χ^2/NDF:11.4/10

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1022.039+/-608.995 χ^2/NDF:14.8/9

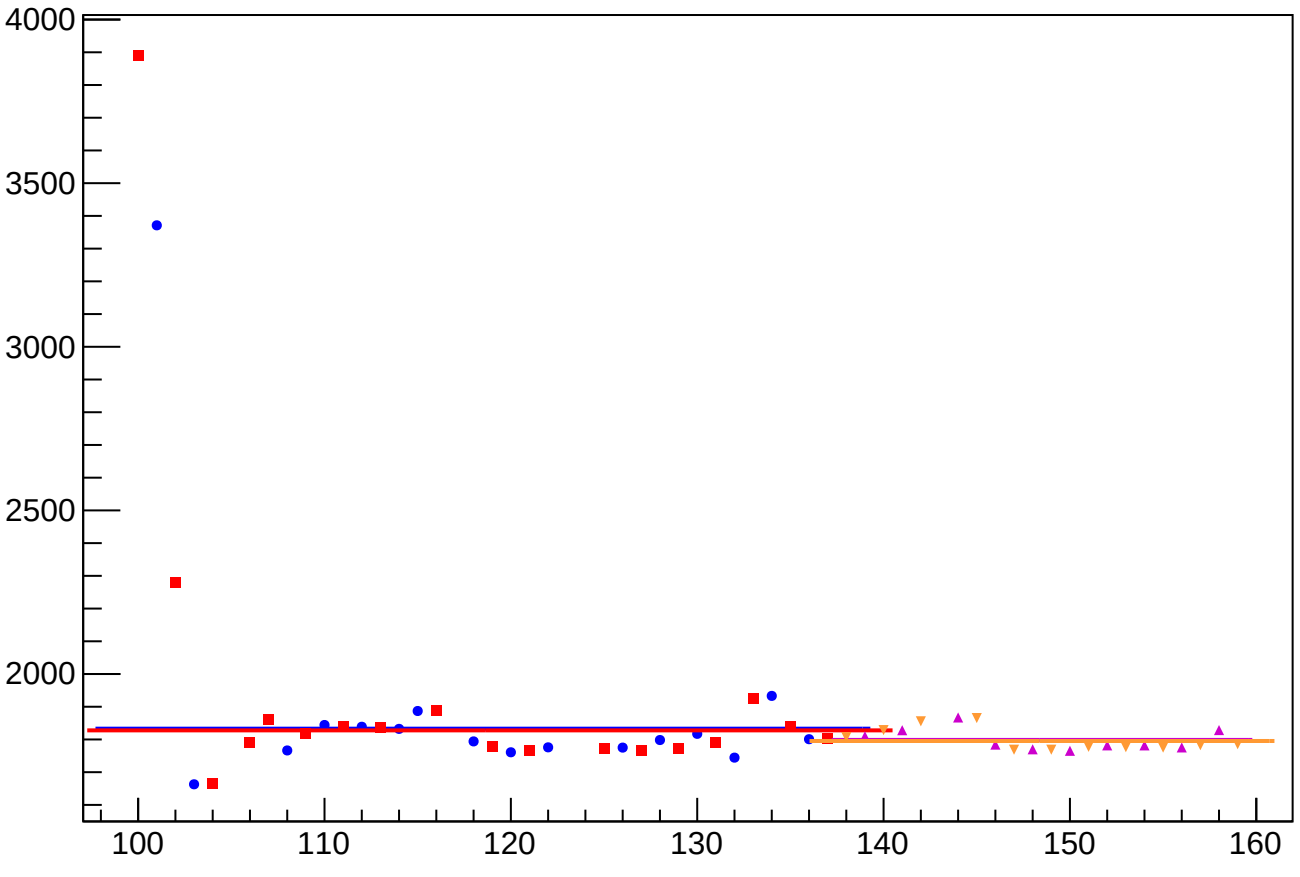
Left: -724.423+/-430.131 χ^2/NDF: 26.7/20

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1178.213+/-456.310 χ^2/NDF:24.3/25

Out: -403.646+/-454.378 χ^2/NDF:23.4/28

All: -789.287+/-321.975 χ^2/NDF: 49.1/54



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1795.335+/-0.430 χ^2/NDF:5312.6/10

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

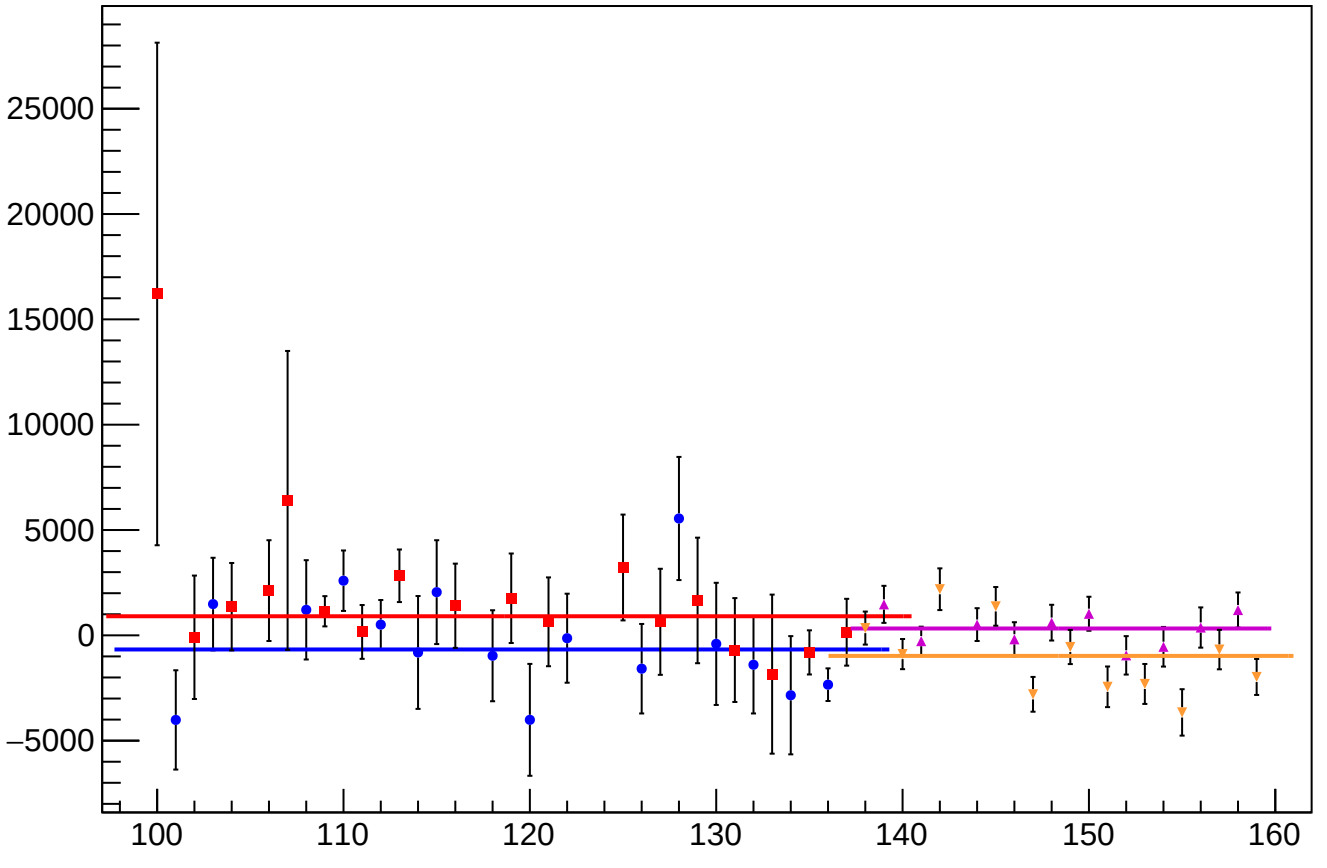
Left: 1796.958+/-0.304 χ^2/NDF: 10555.4/20

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1813.657+/-0.323 χ^2/NDF:303447.3/25

Out: 1809.638+/-0.321 χ^2/NDF:110097.3/28

All: 1811.639+/-0.228 χ^2/NDF: 413622.5/54



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -975.917+/-264.459 χ^2/NDF:36.5/10

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 324.621+/-263.681 χ^2/NDF:7.7/9

Left: -323.732+/-186.725 χ^2/NDF: 56.3/20

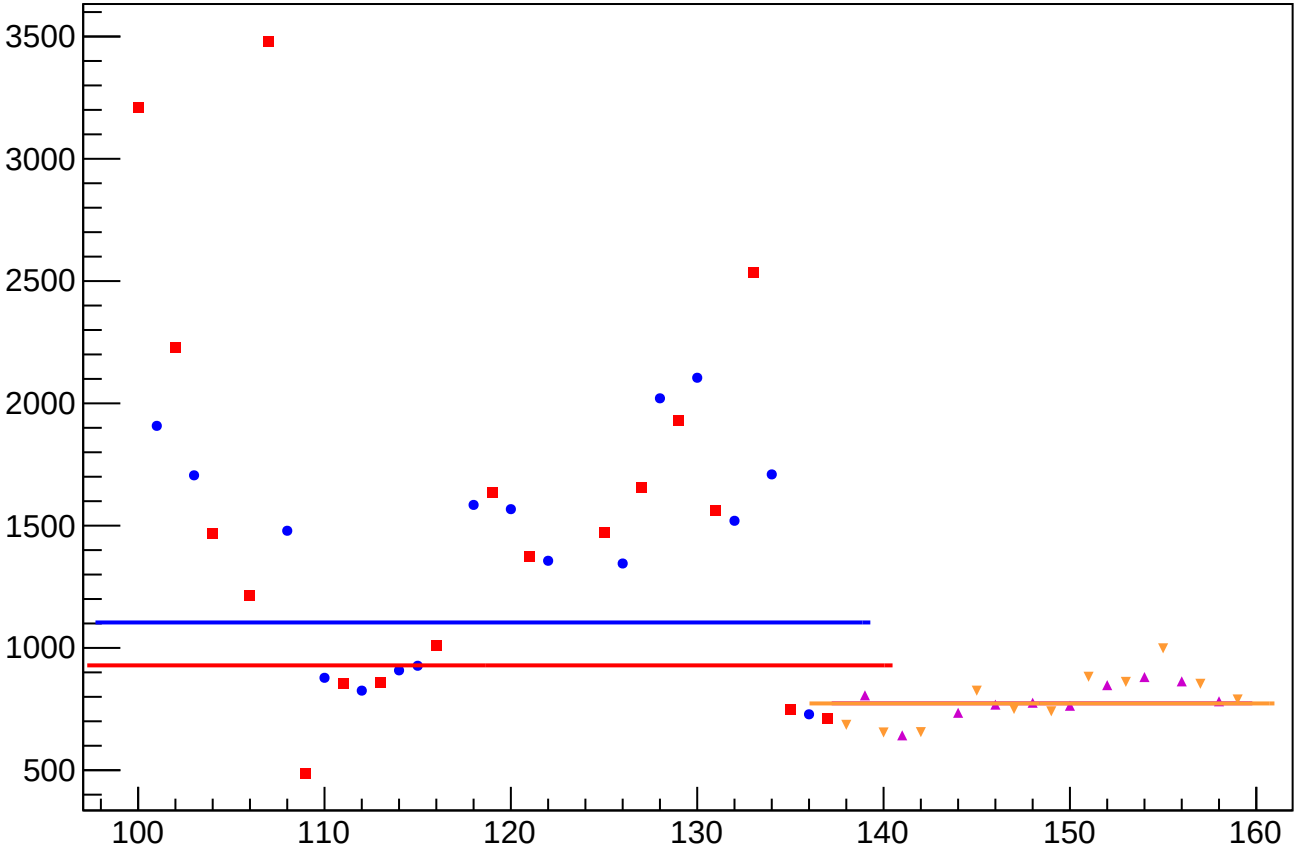
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.855+/-226.515 χ^2/NDF:34.2/25

Out: -393.100+/-219.722 χ^2/NDF:62.7/28

All: -171.577+/-157.714 χ^2/NDF: 99.0/54

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: 772.998+/-0.187 χ^2/NDF:261052.3/10

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

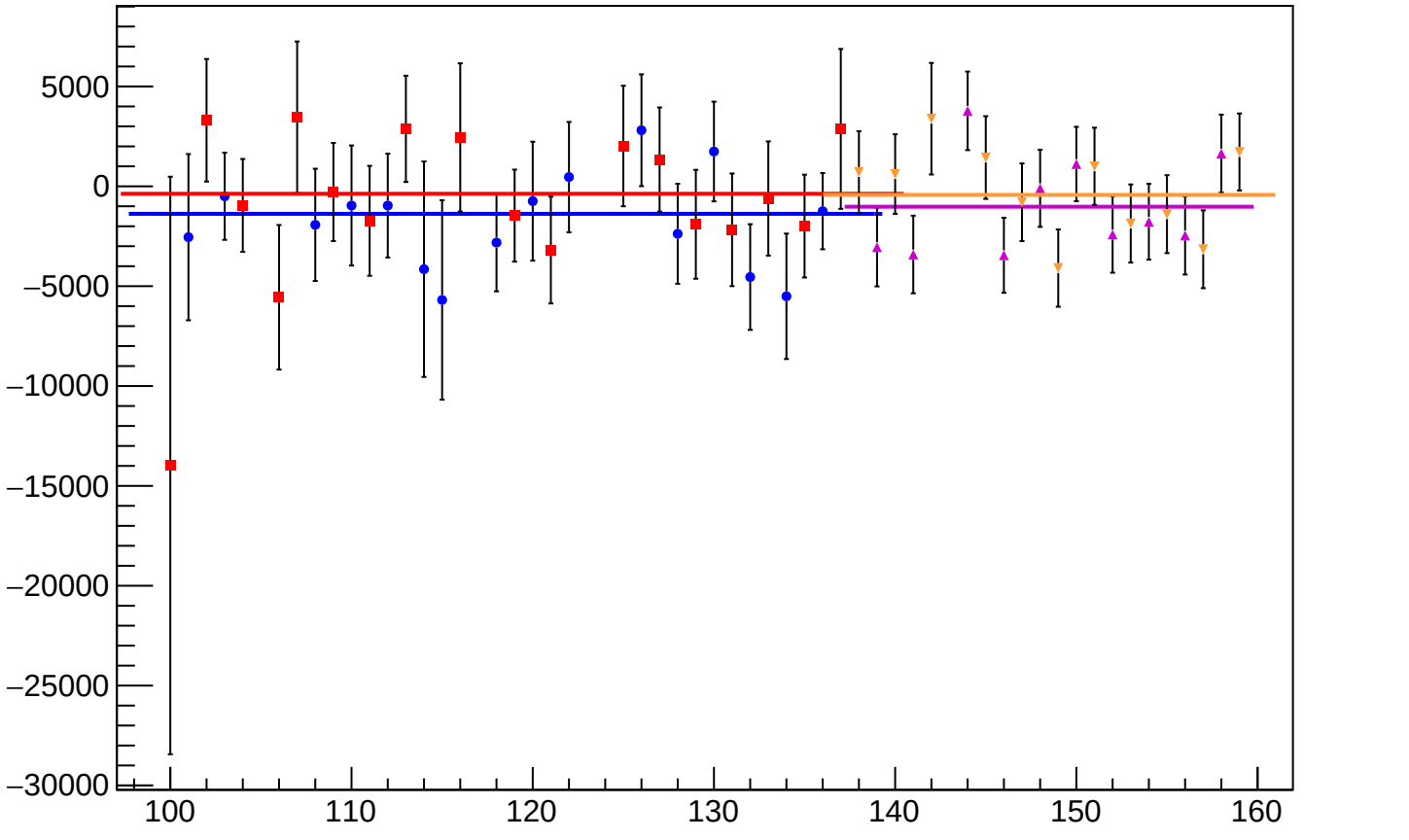
Left: 773.303+/-0.132 χ^2/NDF: 399235.9/20

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 860.208+/-0.160 χ^2/NDF:2855964.9/25

Out: 821.199+/-0.155 χ^2/NDF:3529952.8/28

All: 840.110+/-0.112 χ^2/NDF: 6416478.6/54



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -428.168+/-607.602 χ^2/NDF:11.4/10

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1022.039+/-608.995 χ^2/NDF:14.8/9

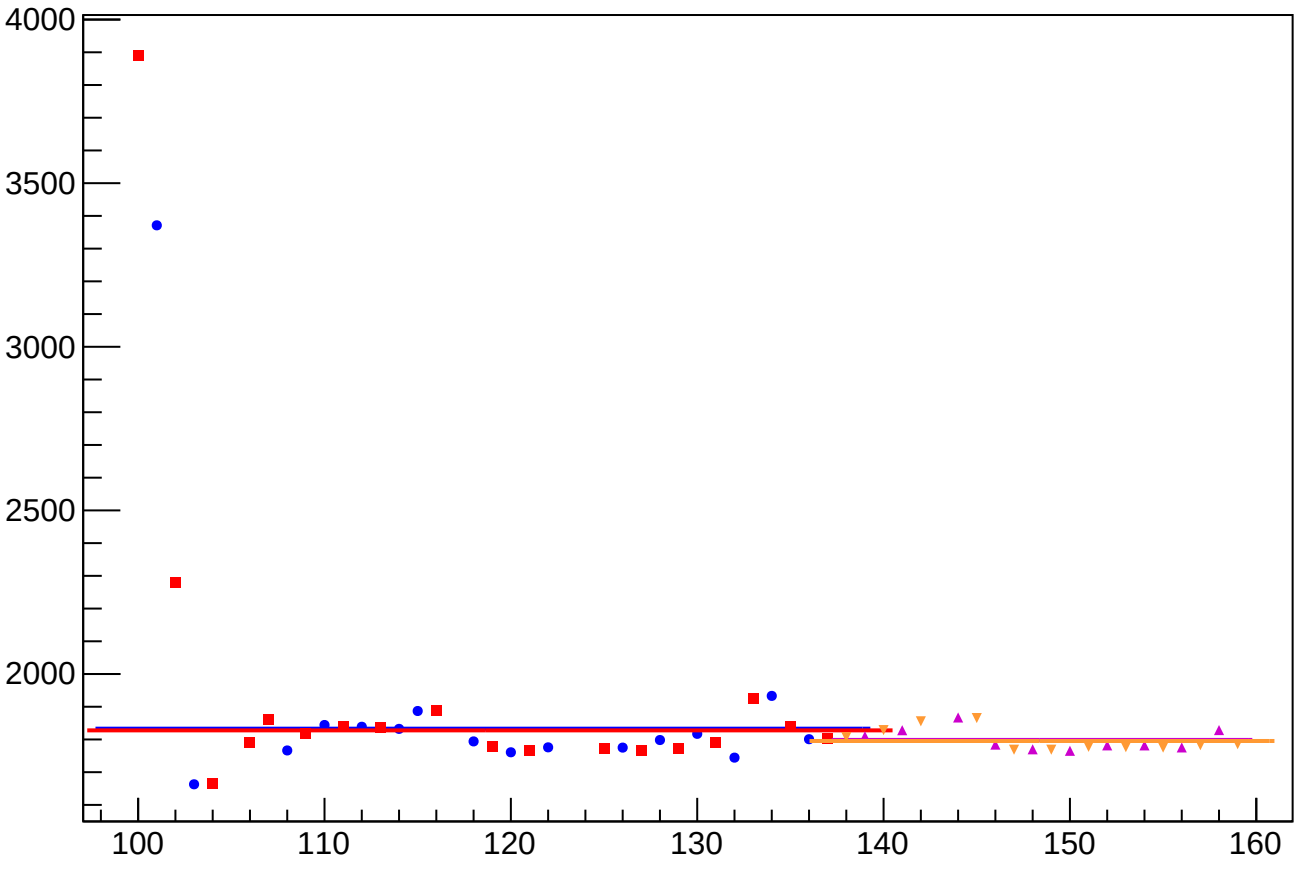
Left: -724.423+/-430.131 χ^2/NDF: 26.7/20

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1178.213+/-456.310 χ^2/NDF:24.3/25

Out: -403.646+/-454.378 χ^2/NDF:23.4/28

All: -789.287+/-321.975 χ^2/NDF: 49.1/54



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1795.335+/-0.430 χ^2/NDF:5312.6/10

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

Left: 1796.958+/-0.304 χ^2/NDF: 10555.4/20

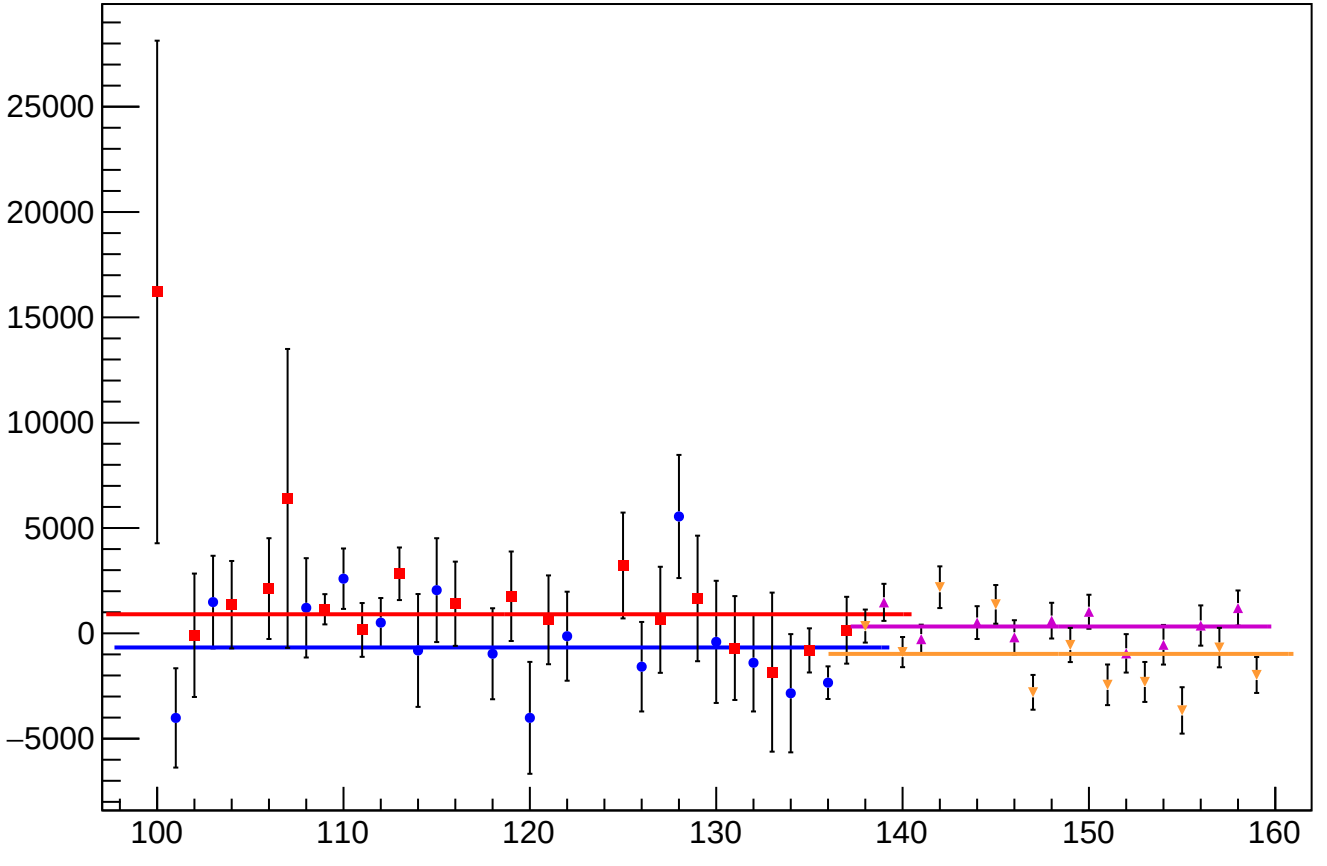
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1813.657+/-0.323 χ^2/NDF:303447.3/25

Out: 1809.638+/-0.321 χ^2/NDF:110097.3/28

All: 1811.639+/-0.228 χ^2/NDF: 413622.5/54

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: -975.917+/-264.459 χ^2/NDF:36.5/10

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 324.621+/-263.681 χ^2/NDF:7.7/9

Left: -323.732+/-186.725 χ^2/NDF: 56.3/20

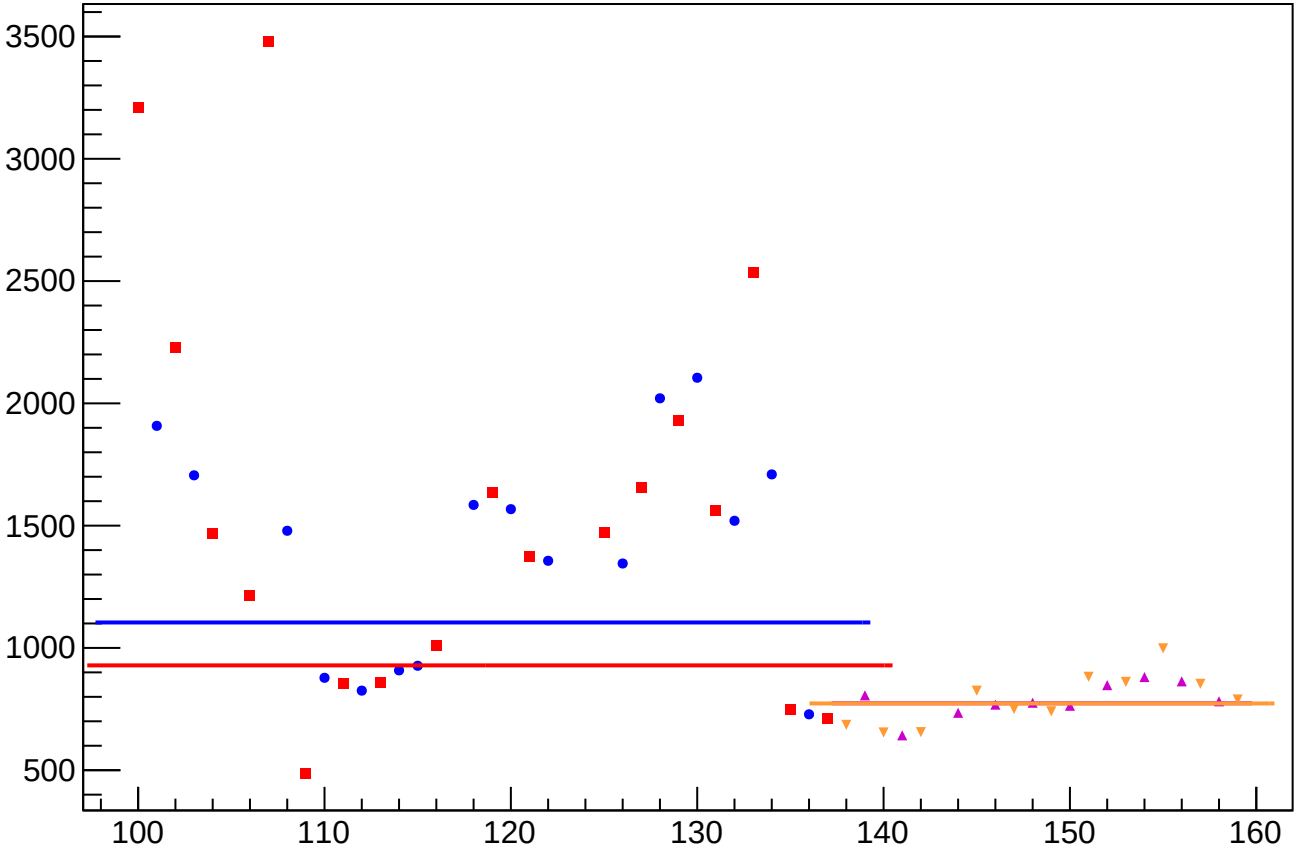
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.855+/-226.515 χ^2/NDF:34.2/25

Out: -393.100+/-219.722 χ^2/NDF:62.7/28

All: -171.577+/-157.714 χ^2/NDF: 99.0/54

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: 772.998+/-0.187 χ^2/NDF:261052.3/10

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

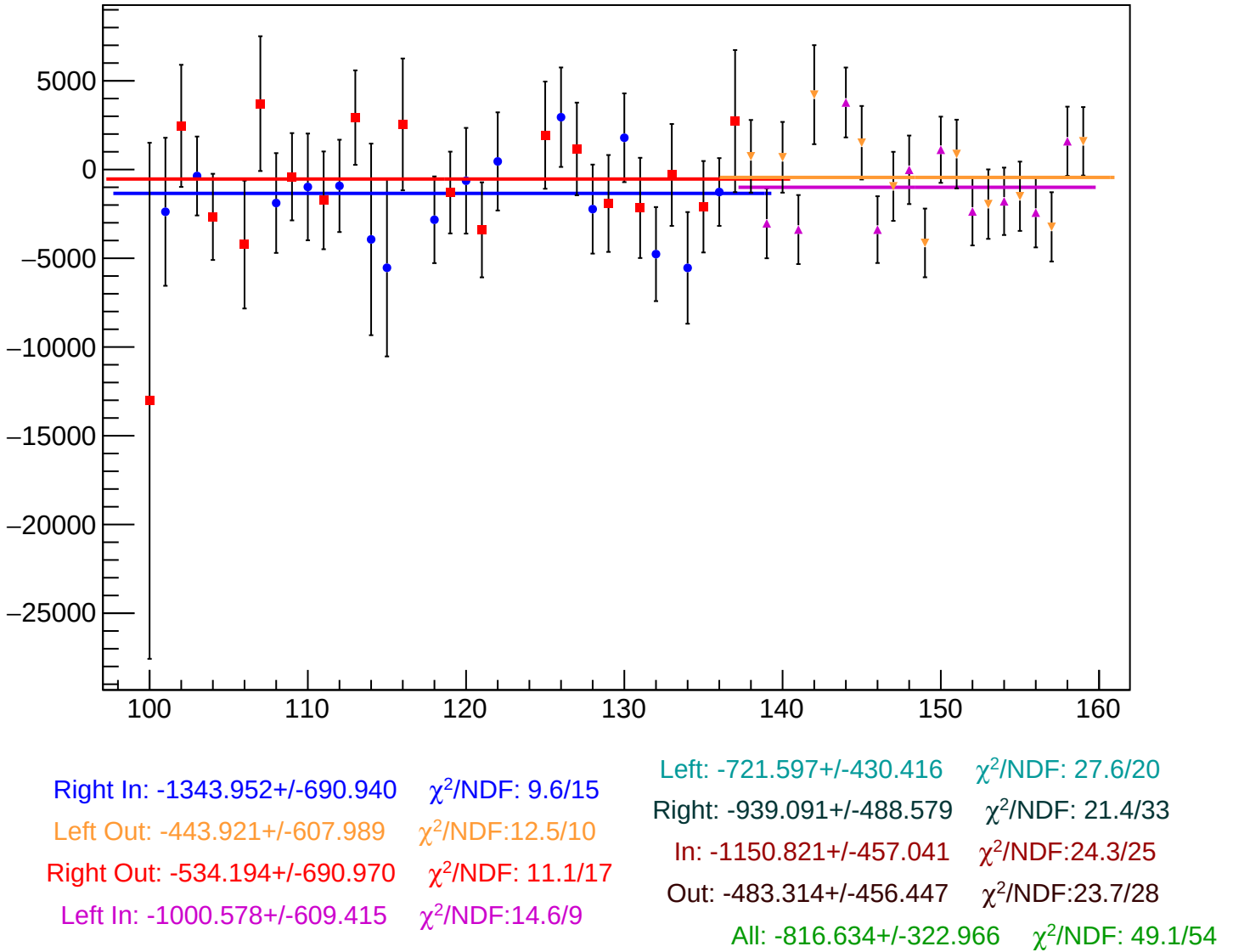
Left: 773.303+/-0.132 χ^2/NDF: 399235.9/20

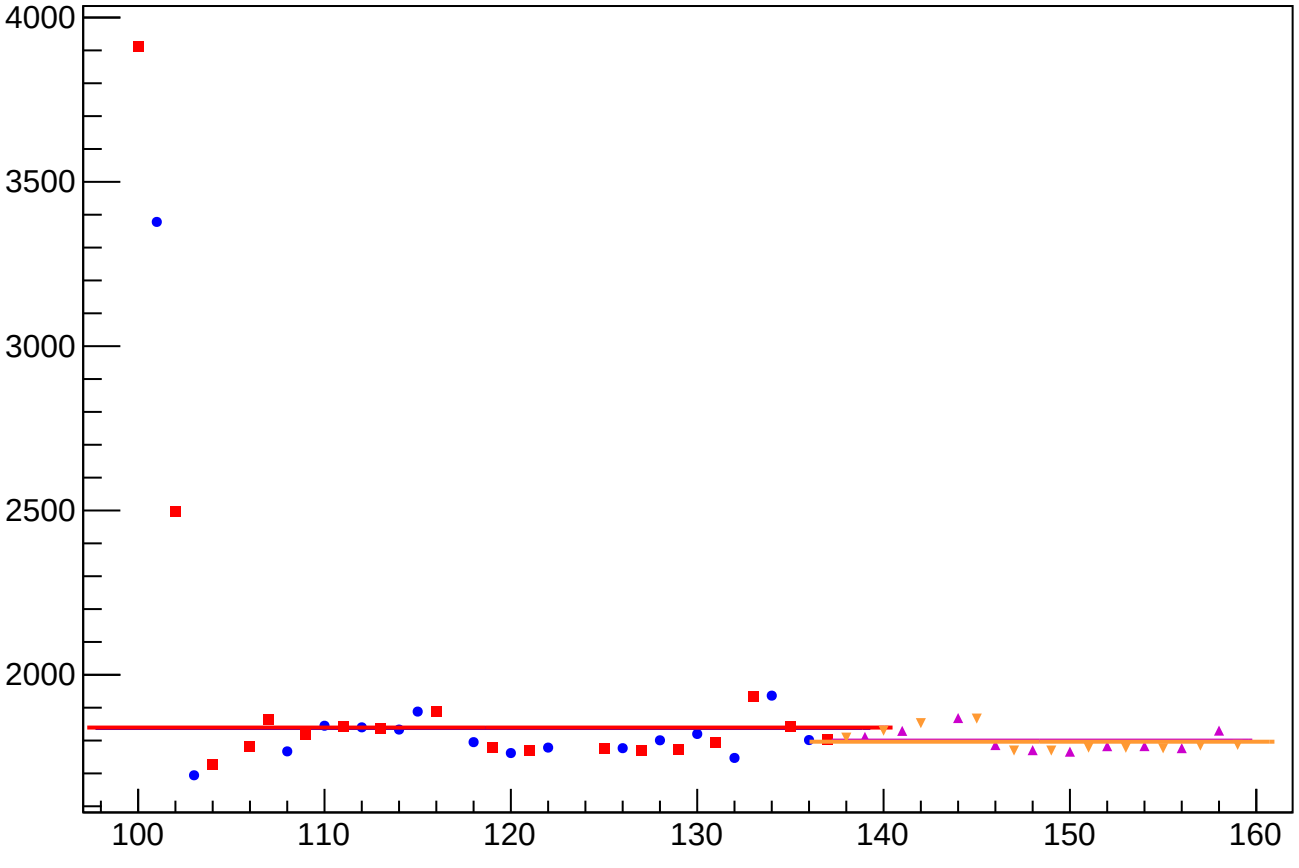
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 860.208+/-0.160 χ^2/NDF:2855964.9/25

Out: 821.199+/-0.155 χ^2/NDF:3529952.8/28

All: 840.110+/-0.112 χ^2/NDF: 6416478.6/54


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -443.921+/-607.989 χ²/NDF:12.5/10
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -1000.578+/-609.415 χ²/NDF:14.6/9
Left: -721.597+/-430.416 χ²/NDF: 27.6/20
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1150.821+/-457.041 χ²/NDF:24.3/25
Out: -483.314+/-456.447 χ²/NDF:23.7/28
All: -816.634+/-322.966 χ²/NDF: 49.1/54



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1796.468+/-0.430 χ^2/NDF:5218.5/10

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

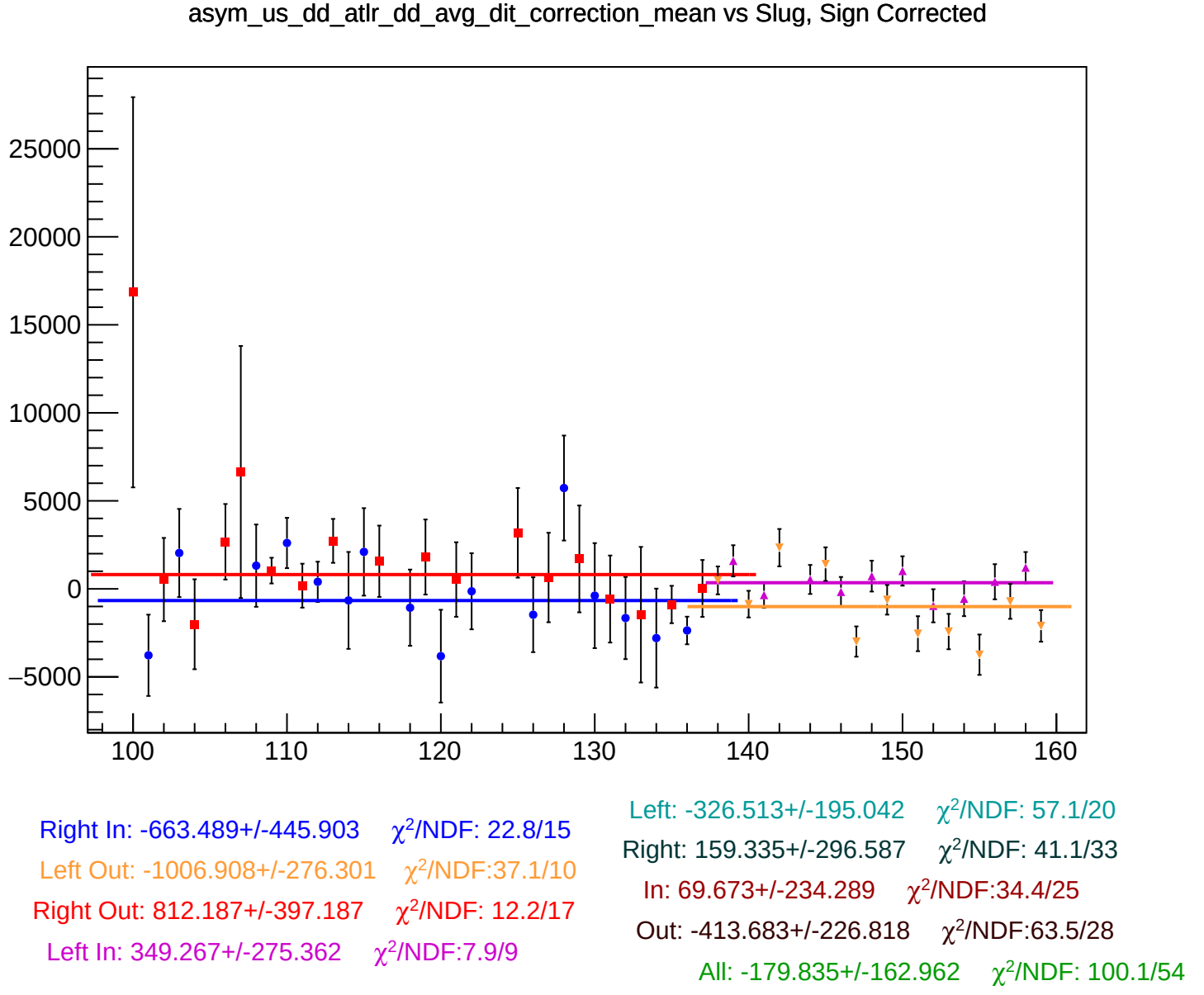
Left: 1798.142+/-0.304 χ^2/NDF: 10493.3/20

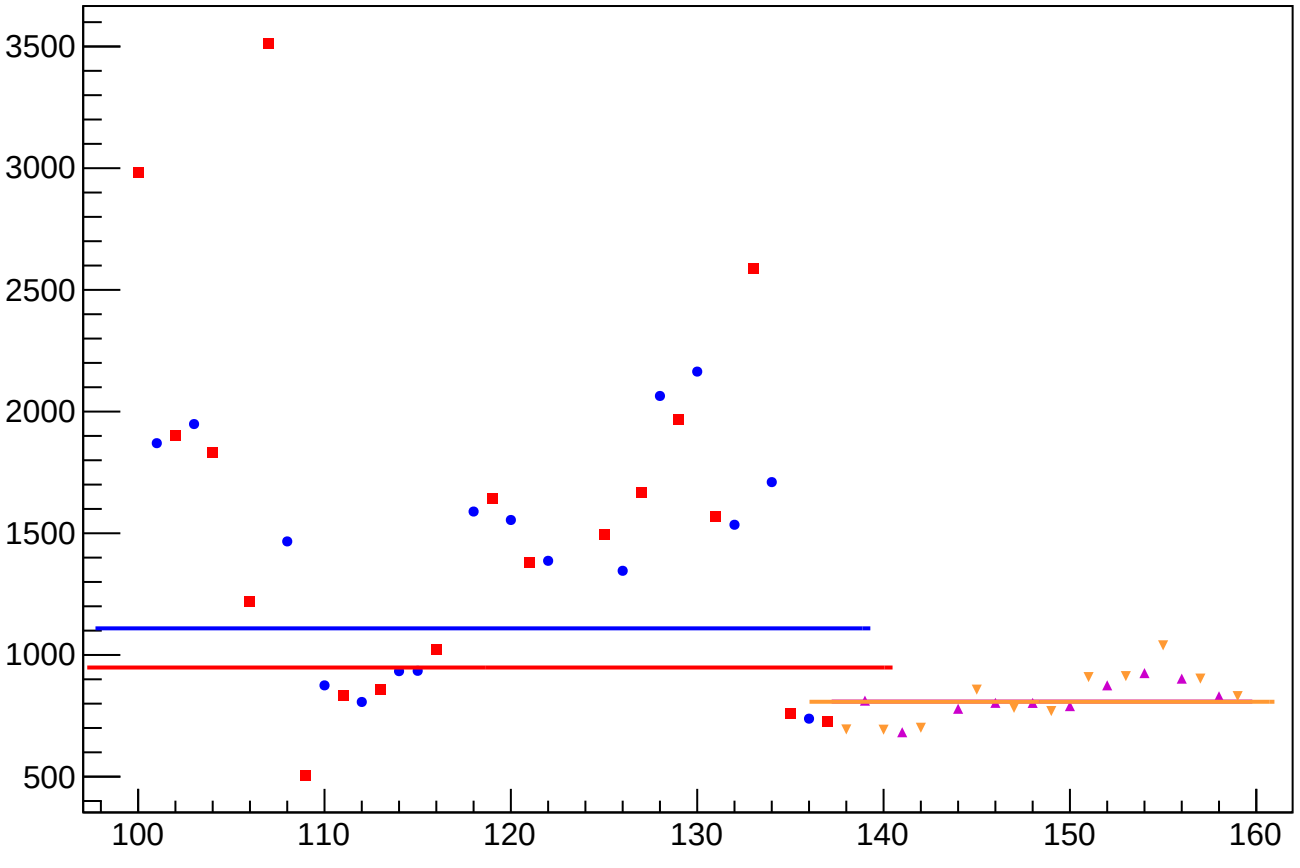
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1816.597+/-0.323 χ^2/NDF:300691.2/25

Out: 1815.254+/-0.323 χ^2/NDF:137847.6/28

All: 1815.925+/-0.228 χ^2/NDF: 438547.4/54


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -663.489+/-445.903 χ²/NDF: 22.8/15
Left Out: -1006.908+/-276.301 χ²/NDF:37.1/10
Right Out: 812.187+/-397.187 χ²/NDF: 12.2/17
Left In: 349.267+/-275.362 χ²/NDF:7.9/9
Left: -326.513+/-195.042 χ²/NDF: 57.1/20
Right: 159.335+/-296.587 χ²/NDF: 41.1/33
In: 69.673+/-234.289 χ²/NDF:34.4/25
Out: -413.683+/-226.818 χ²/NDF:63.5/28
All: -179.835+/-162.962 χ²/NDF: 100.1/54



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 807.708+/-0.195 χ^2/NDF:262758.9/10

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 808.561+/-0.195 χ^2/NDF:120699.3/9

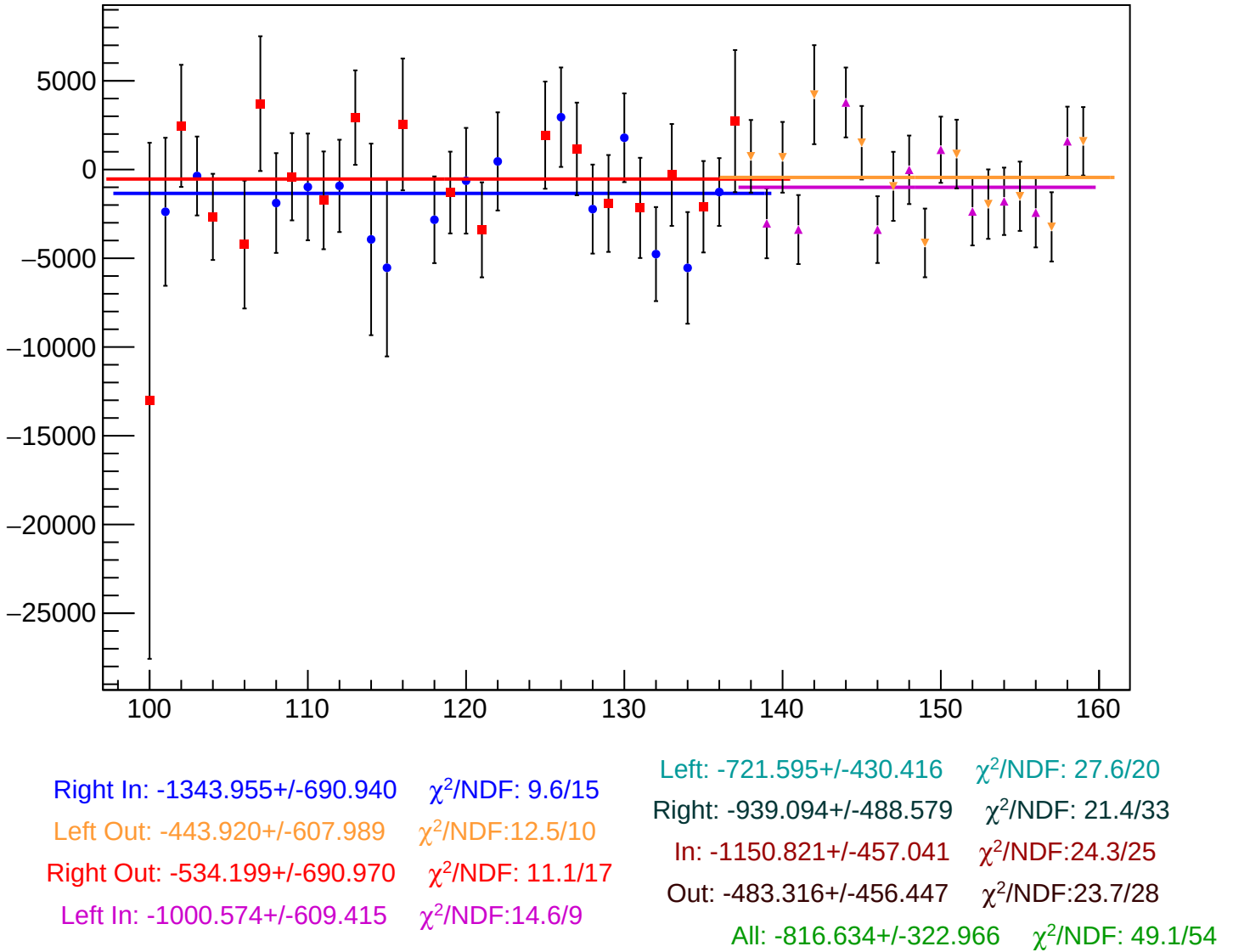
Left: 808.136+/-0.138 χ^2/NDF: 383467.8/20

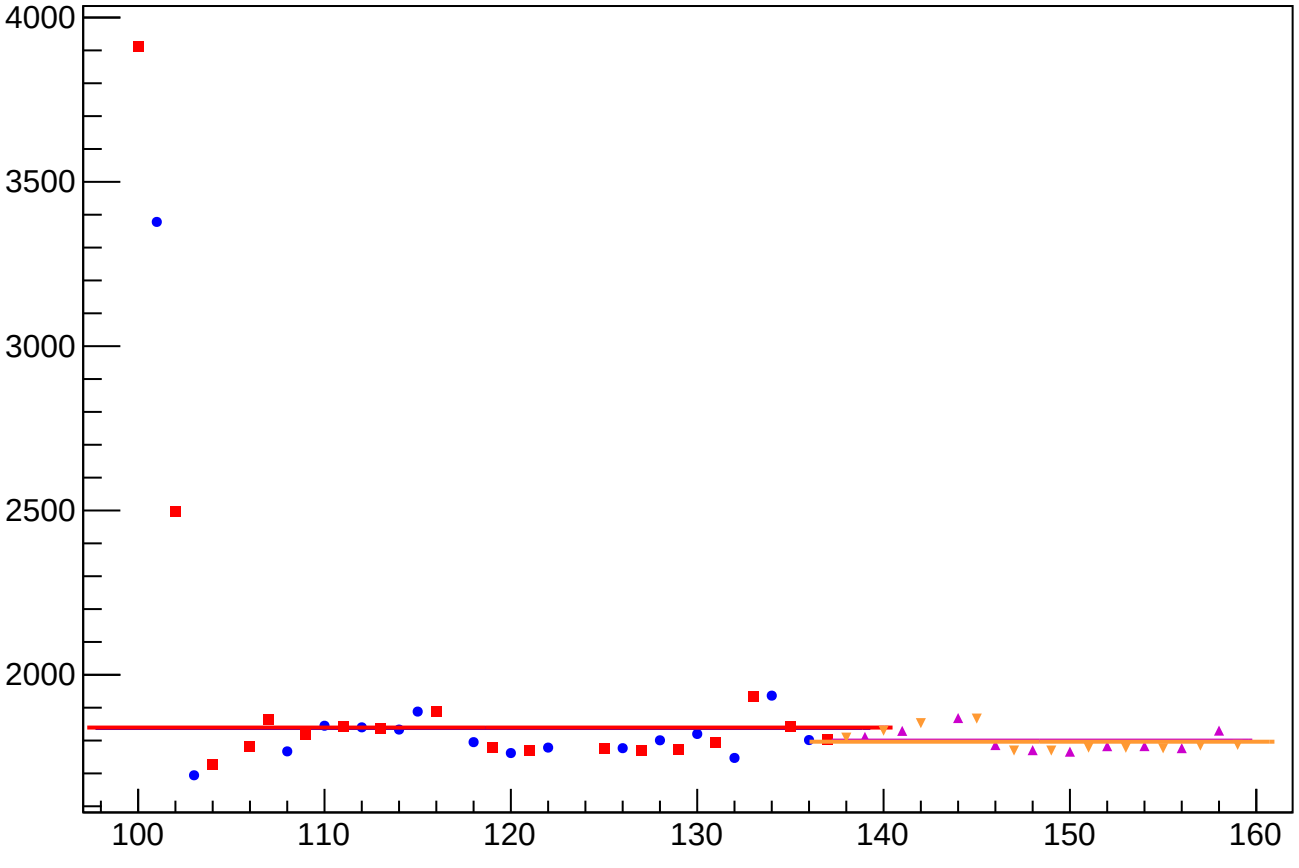
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 891.604+/-0.166 χ^2/NDF:2752934.6/25

Out: 853.601+/-0.160 χ^2/NDF:3485631.7/28

All: 871.987+/-0.115 χ^2/NDF: 6265729.0/54


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -443.920+/-607.989 χ²/NDF:12.5/10
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -1000.574+/-609.415 χ²/NDF:14.6/9
Left: -721.595+/-430.416 χ²/NDF: 27.6/20
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1150.821+/-457.041 χ²/NDF:24.3/25
Out: -483.316+/-456.447 χ²/NDF:23.7/28
All: -816.634+/-322.966 χ²/NDF: 49.1/54



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1796.468+/-0.430 χ^2/NDF:5218.5/10

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

Left: 1798.142+/-0.304 χ^2/NDF: 10493.3/20

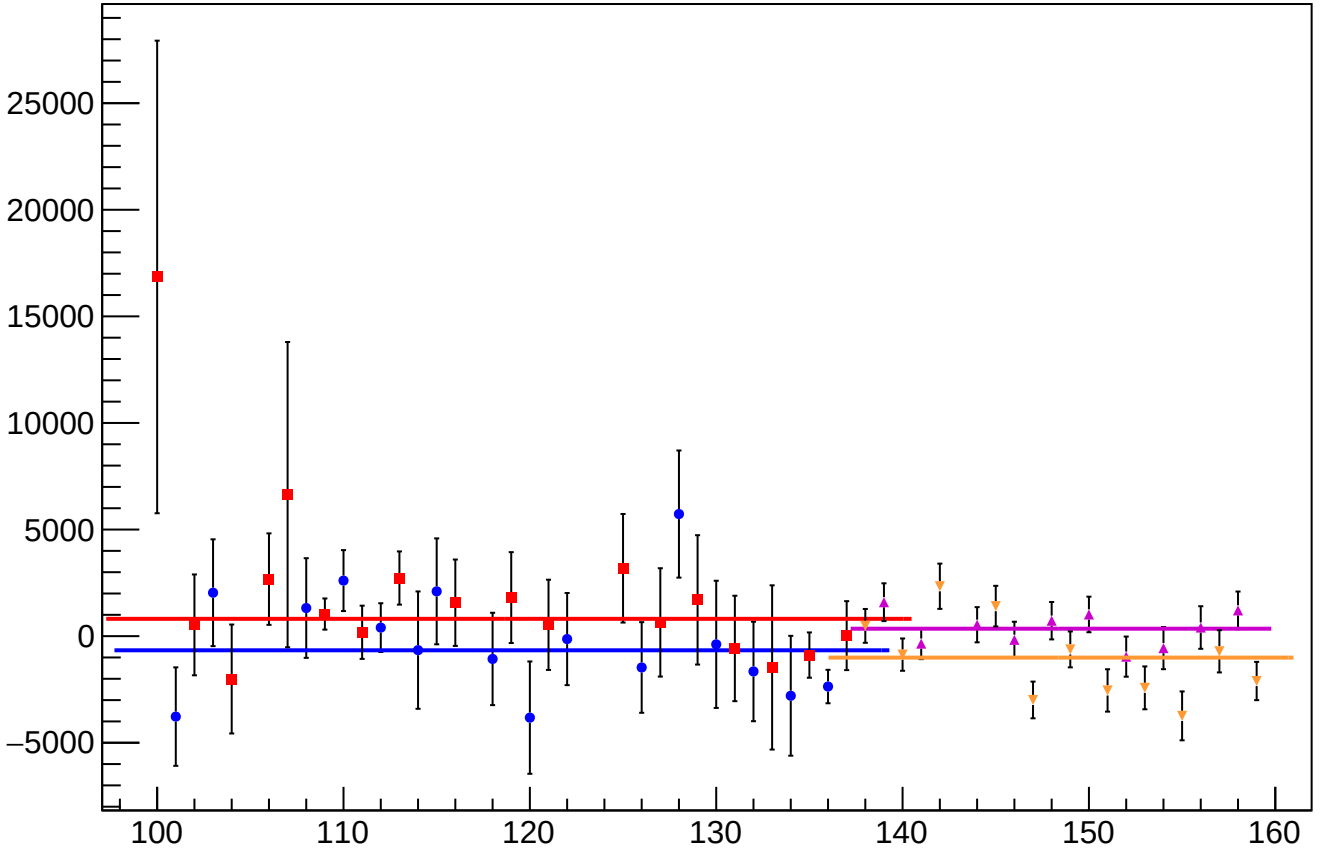
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1816.597+/-0.323 χ^2/NDF:300691.2/25

Out: 1815.254+/-0.323 χ^2/NDF:137847.6/28

All: 1815.925+/-0.228 χ^2/NDF: 438547.5/54

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: -1006.916+/-276.302 χ^2/NDF:37.1/10

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 349.265+/-275.363 χ^2/NDF:7.9/9

Left: -326.516+/-195.042 χ^2/NDF: 57.1/20

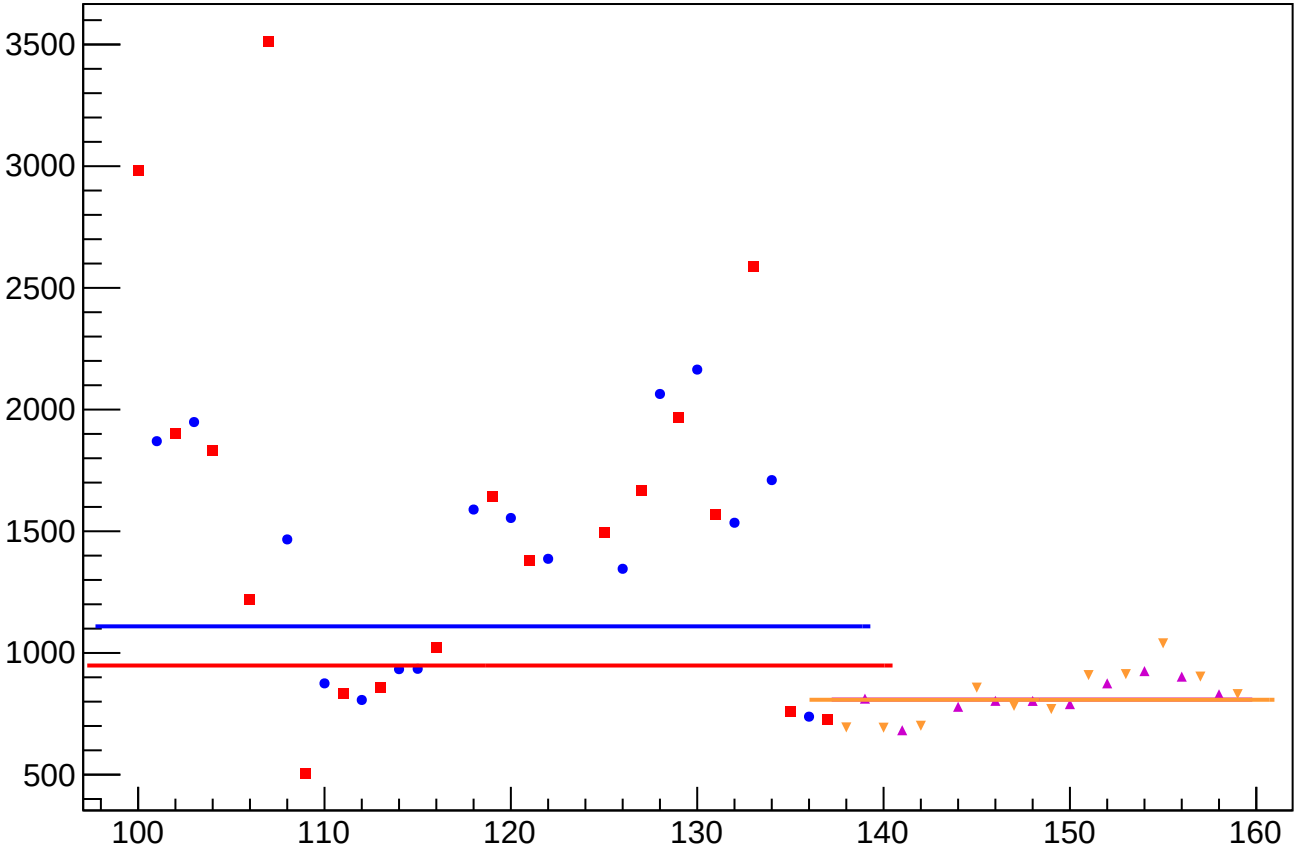
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 69.675+/-234.289 χ^2/NDF:34.4/25

Out: -413.684+/-226.818 χ^2/NDF:63.5/28

All: -179.834+/-162.962 χ^2/NDF: 100.1/54

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: 807.711+/-0.195 χ^2/NDF:262742.1/10

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 808.563+/-0.195 χ^2/NDF:120698.0/9

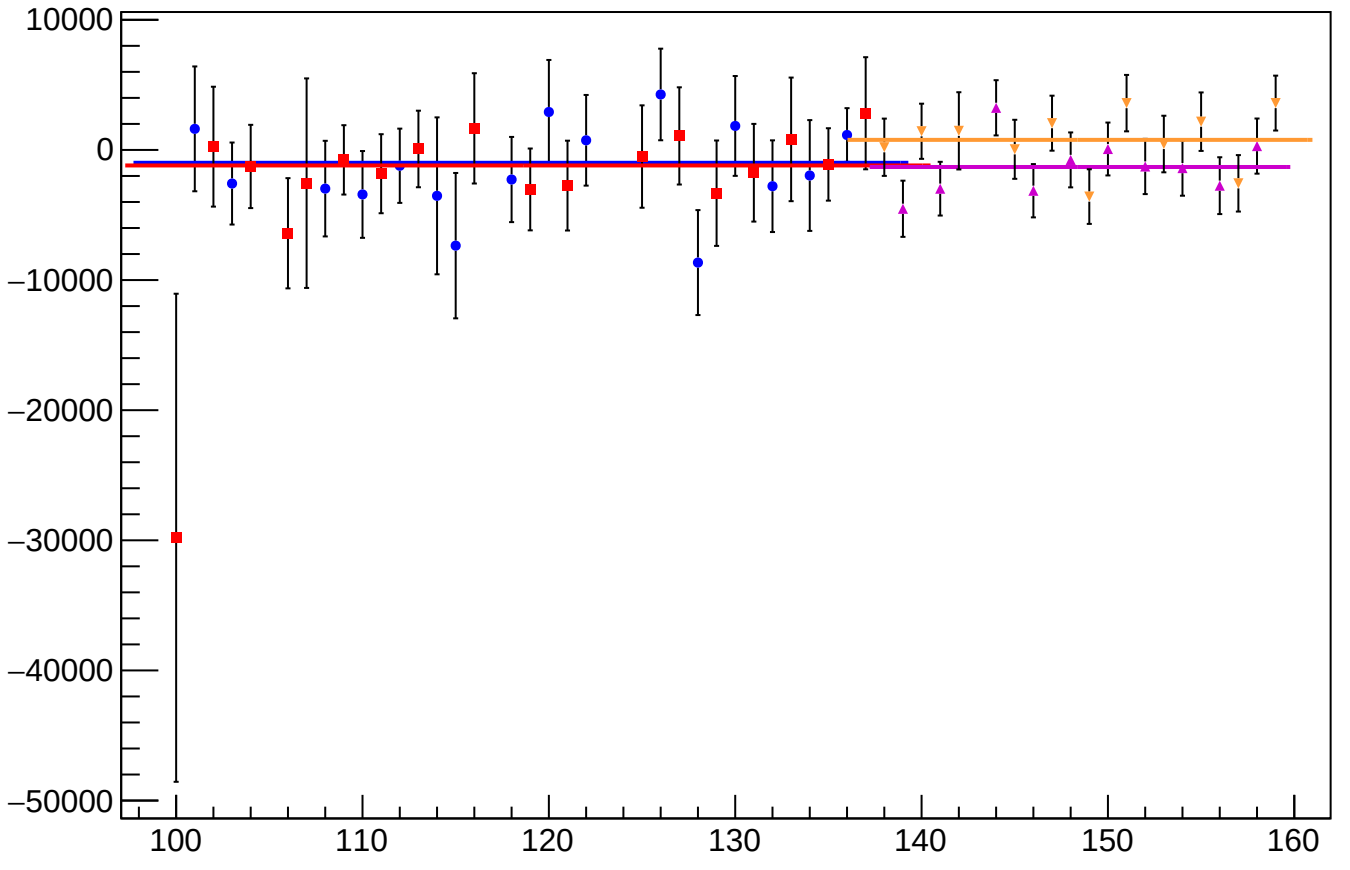
Left: 808.138+/-0.138 χ^2/NDF: 383449.7/20

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 891.606+/-0.166 χ^2/NDF:2752898.2/25

Out: 853.605+/-0.160 χ^2/NDF:3485585.4/28

All: 871.990+/-0.115 χ^2/NDF: 6265644.1/54



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 774.291+/-667.093 χ^2/NDF:11.3/10

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1310.638+/-666.274 χ^2/NDF:9.8/9

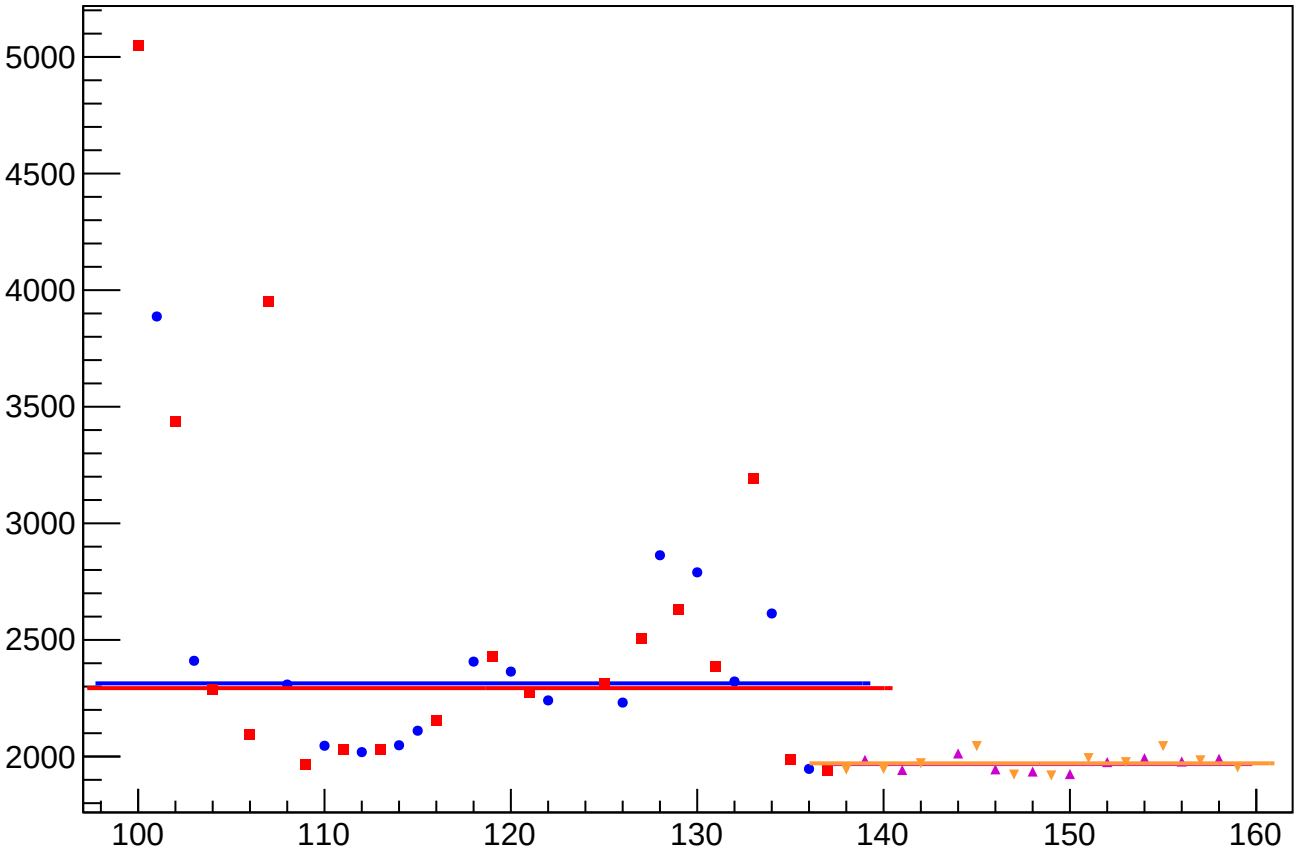
Left: -269.454+/-471.416 χ^2/NDF: 26.0/20

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1191.854+/-529.832 χ^2/NDF:21.9/25

Out: 46.656+/-529.479 χ^2/NDF:21.5/28

All: -572.187+/-374.523 χ^2/NDF: 46.0/54



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1970.859+/-0.472 χ^2/NDF:7533.0/10

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1967.694+/-0.471 χ^2/NDF:3553.9/9

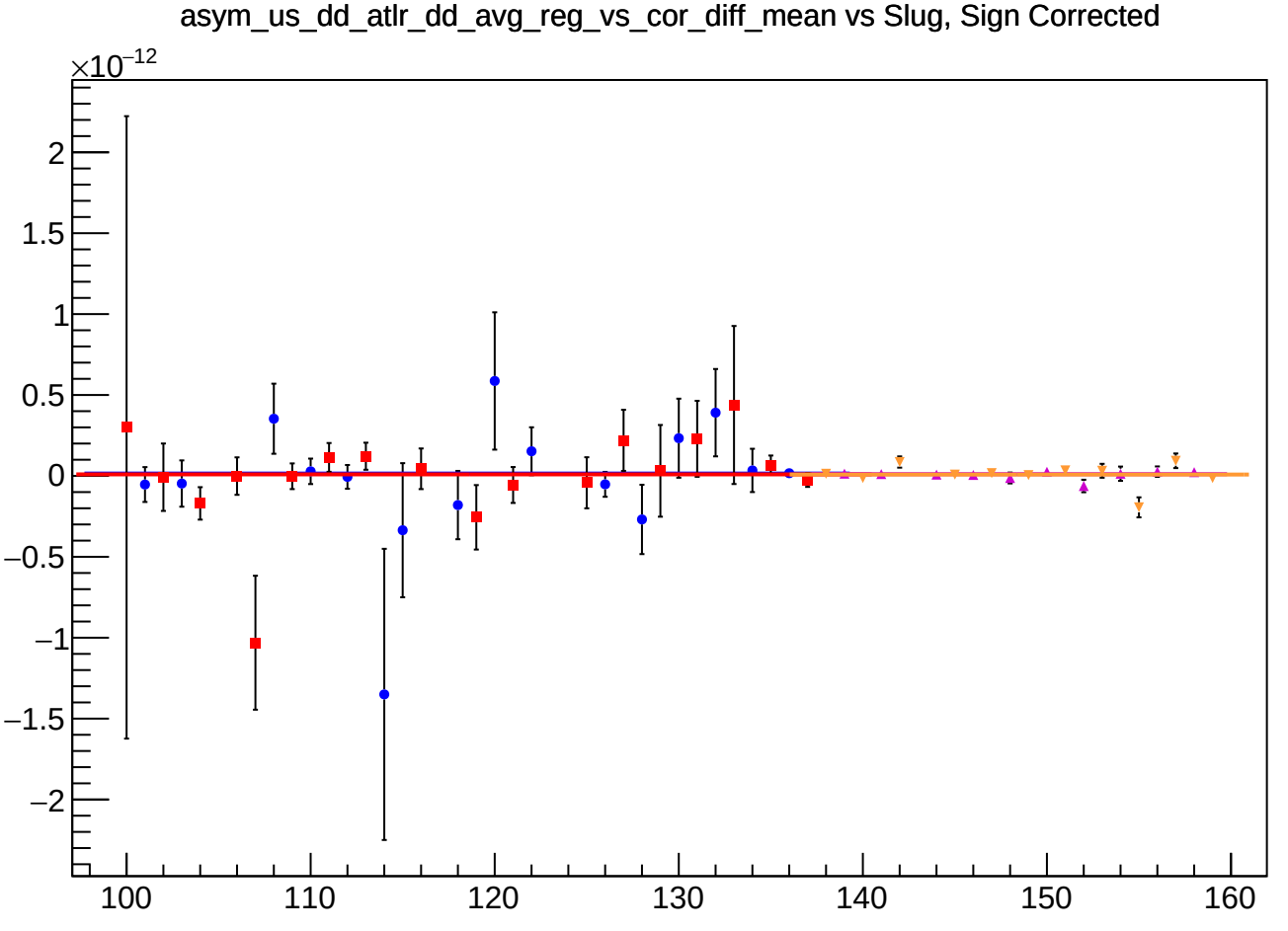
Left: 1969.275+/-0.333 χ^2/NDF: 11109.5/20

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2094.912+/-0.375 χ^2/NDF:604649.3/25

Out: 2090.161+/-0.374 χ^2/NDF:633604.5/28

All: 2092.535+/-0.265 χ^2/NDF: 1238334.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

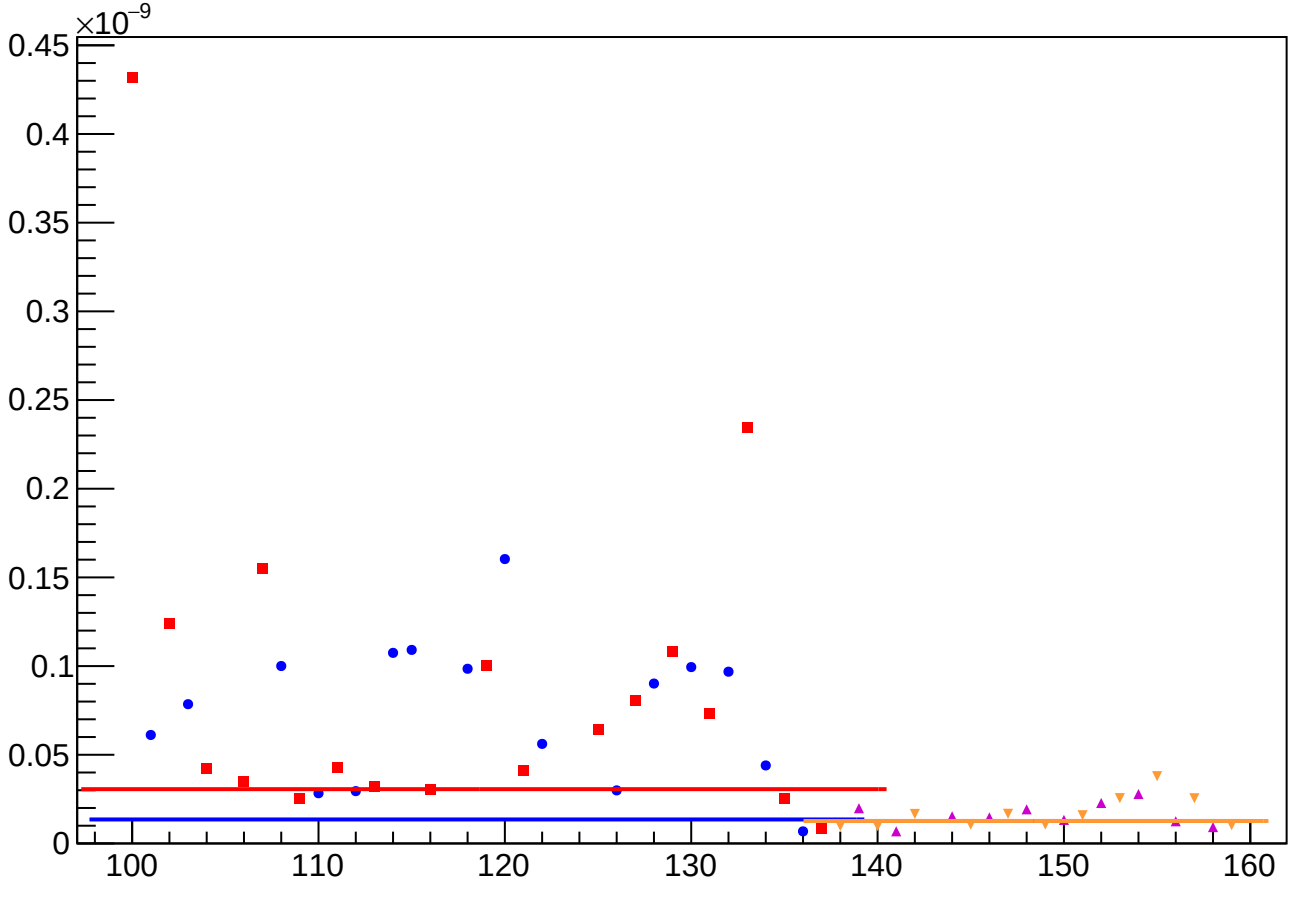
Left: 0.000+/-0.000 χ^2/NDF: 28.1/20

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:20.2/25

Out: 0.000+/-0.000 χ^2/NDF:42.4/28

All: 0.000+/-0.000 χ^2/NDF: 62.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:920148.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:997794.7/9

Left: 0.000+/-0.000 χ^2/NDF: 1917943.1/20

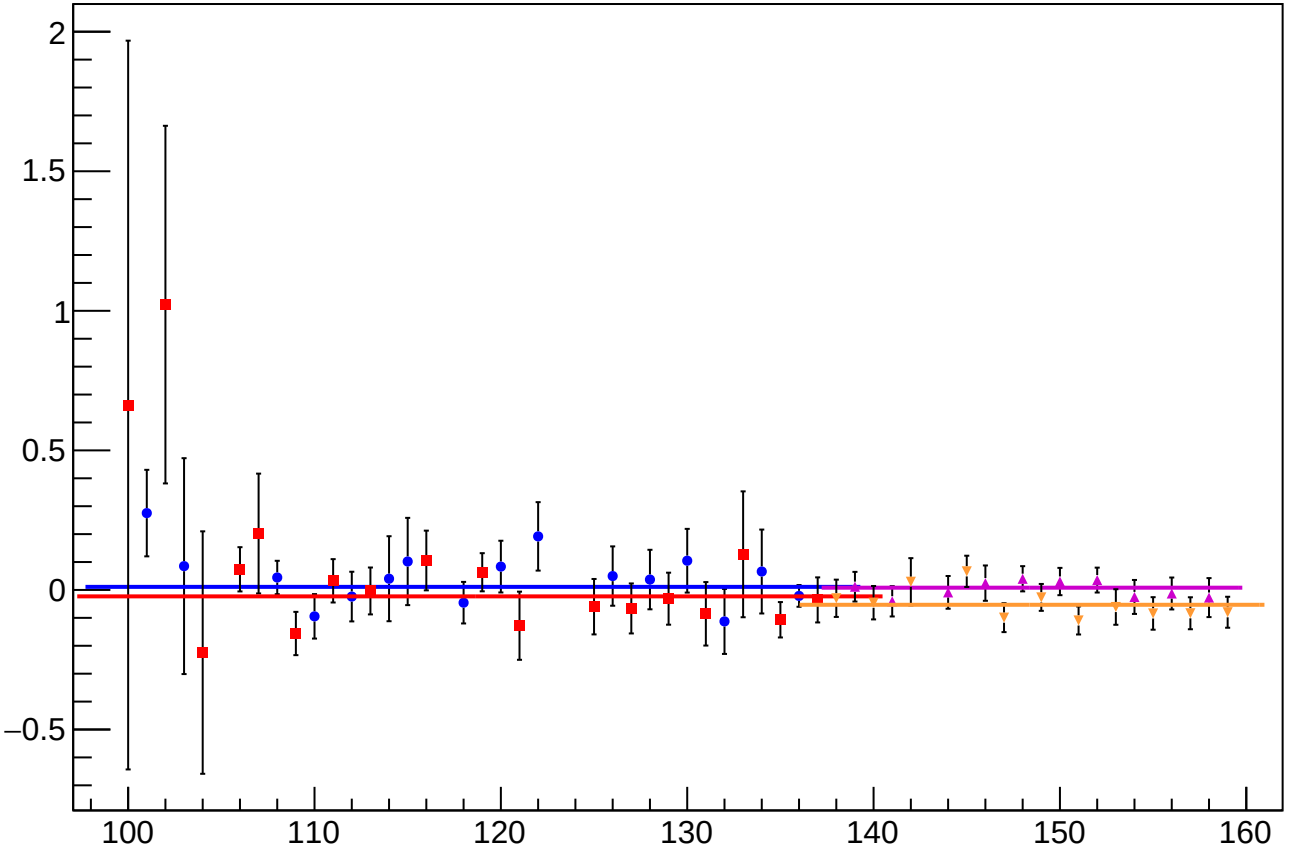
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4419662.9/25

Out: 0.000+/-0.000 χ^2/NDF:4274497.0/28

All: 0.000+/-0.000 χ^2/NDF: 8737740.3/54

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: -0.053+/-0.017 χ^2/NDF:8.8/10

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.022+/-0.012 χ^2/NDF: 17.9/20

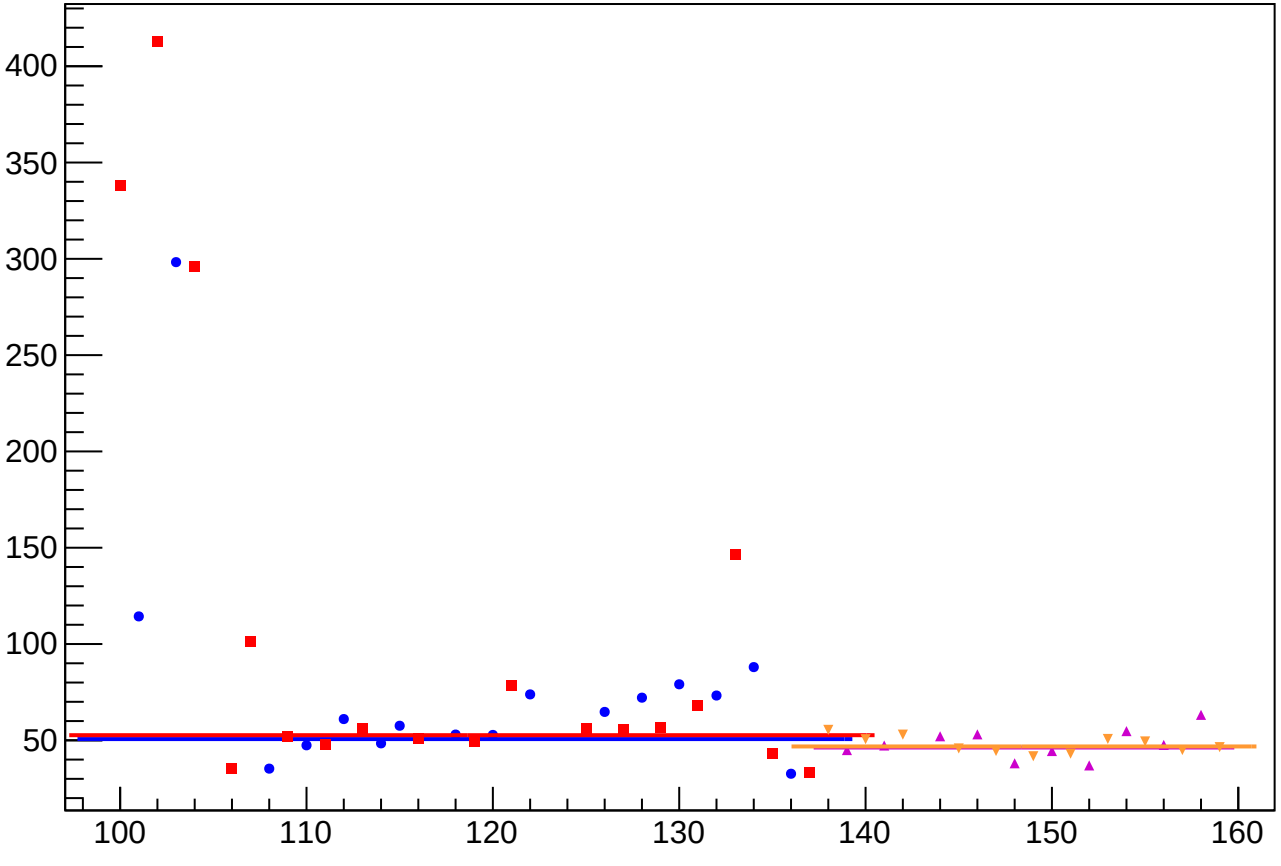
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.016+/-0.010 χ^2/NDF: 47.4/54

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.816+/-0.012 χ^2/NDF:103613.7/10

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

Left: 46.542+/-0.009 χ^2/NDF: 463637.4/20

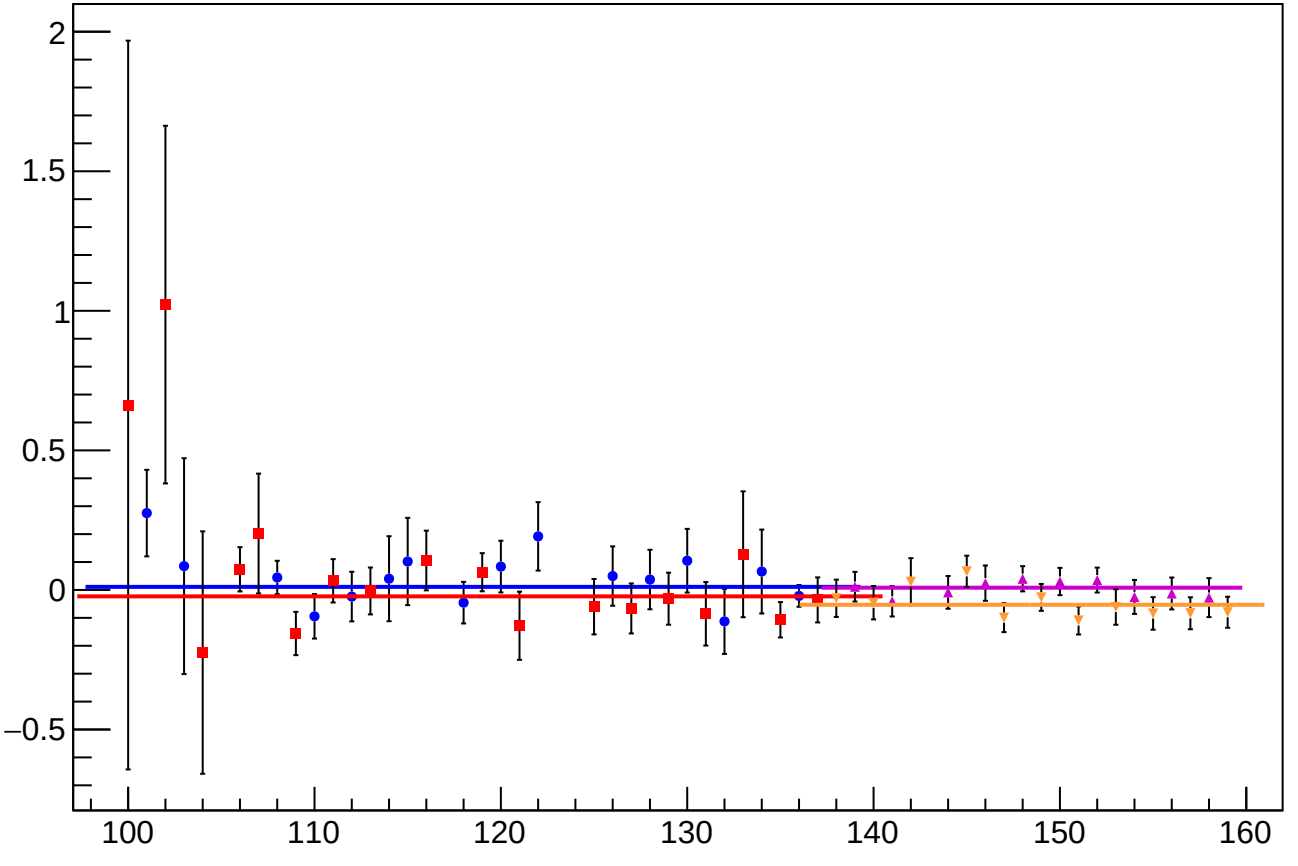
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.932+/-0.010 χ^2/NDF:2675052.6/25

Out: 48.921+/-0.010 χ^2/NDF:2397591.6/28

All: 48.412+/-0.007 χ^2/NDF: 5077884.0/54

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: -0.053+/-0.017 χ^2/NDF:8.8/10

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.022+/-0.012 χ^2/NDF: 17.9/20

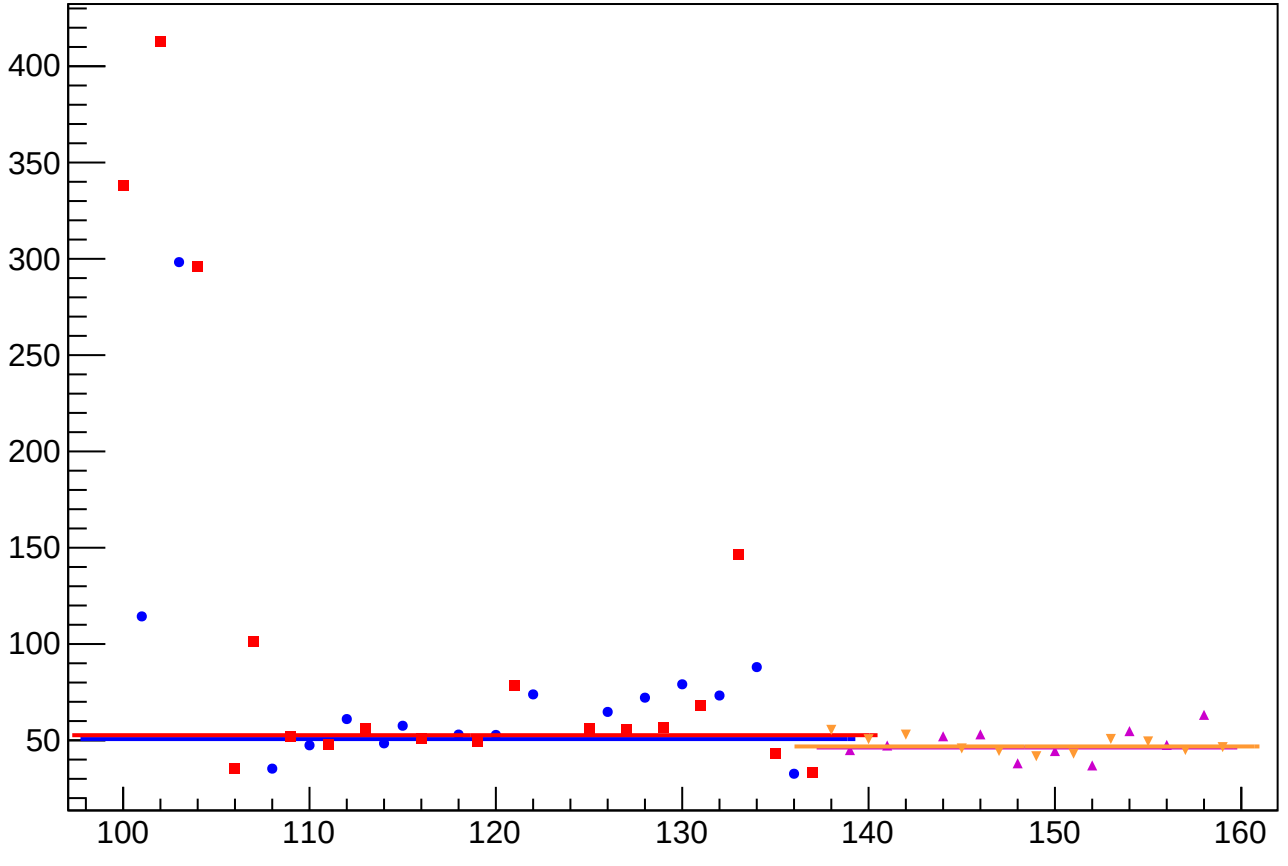
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.016+/-0.010 χ^2/NDF: 47.4/54

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: 46.816+/-0.012 χ^2/NDF:103613.7/10

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

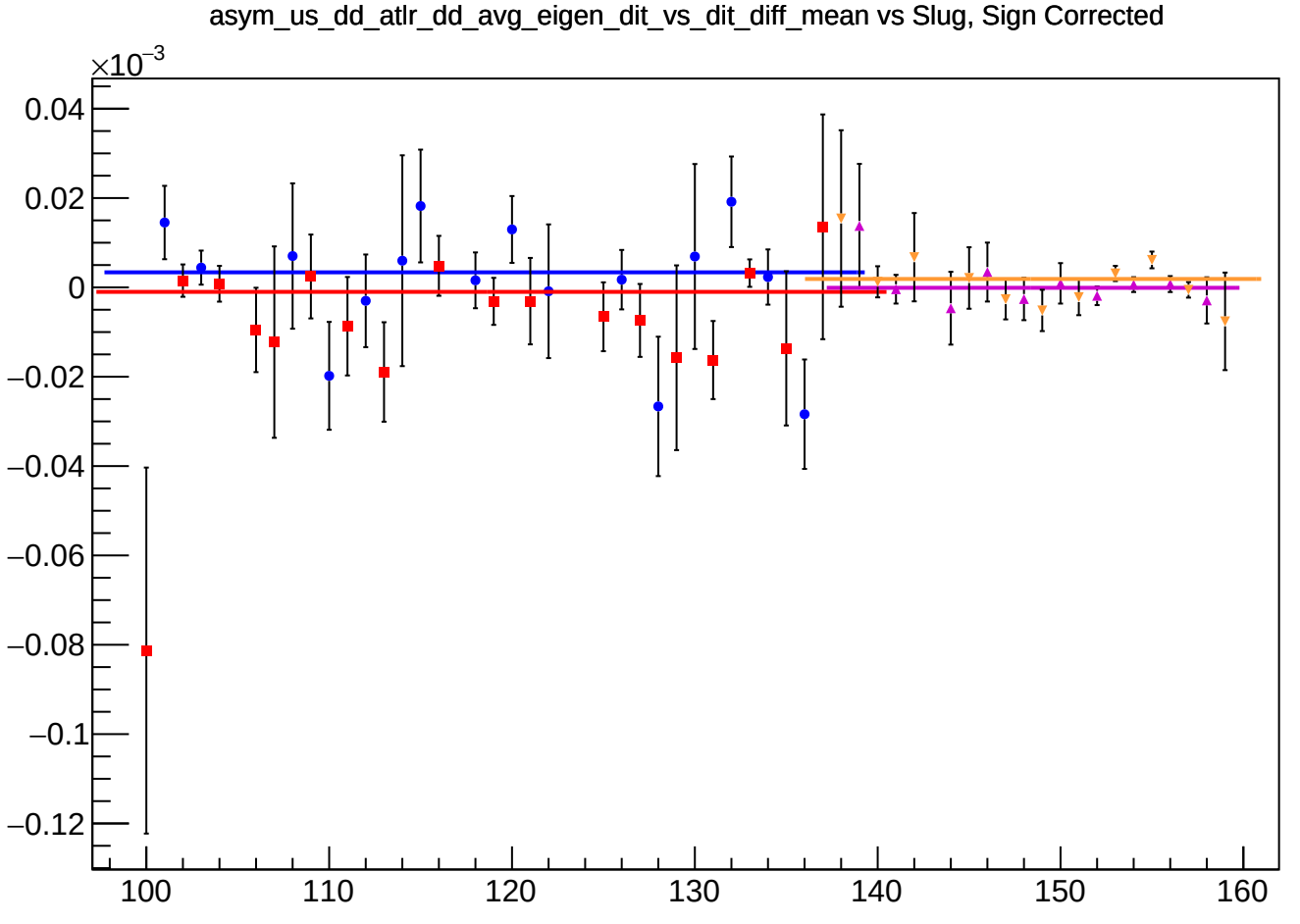
Left: 46.542+/-0.009 χ^2/NDF: 463637.4/20

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.932+/-0.010 χ^2/NDF:2675052.6/25

Out: 48.921+/-0.010 χ^2/NDF:2397591.6/28

All: 48.412+/-0.007 χ^2/NDF: 5077884.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/9

Left: 0.000+/-0.000 χ^2/NDF: 19.2/20

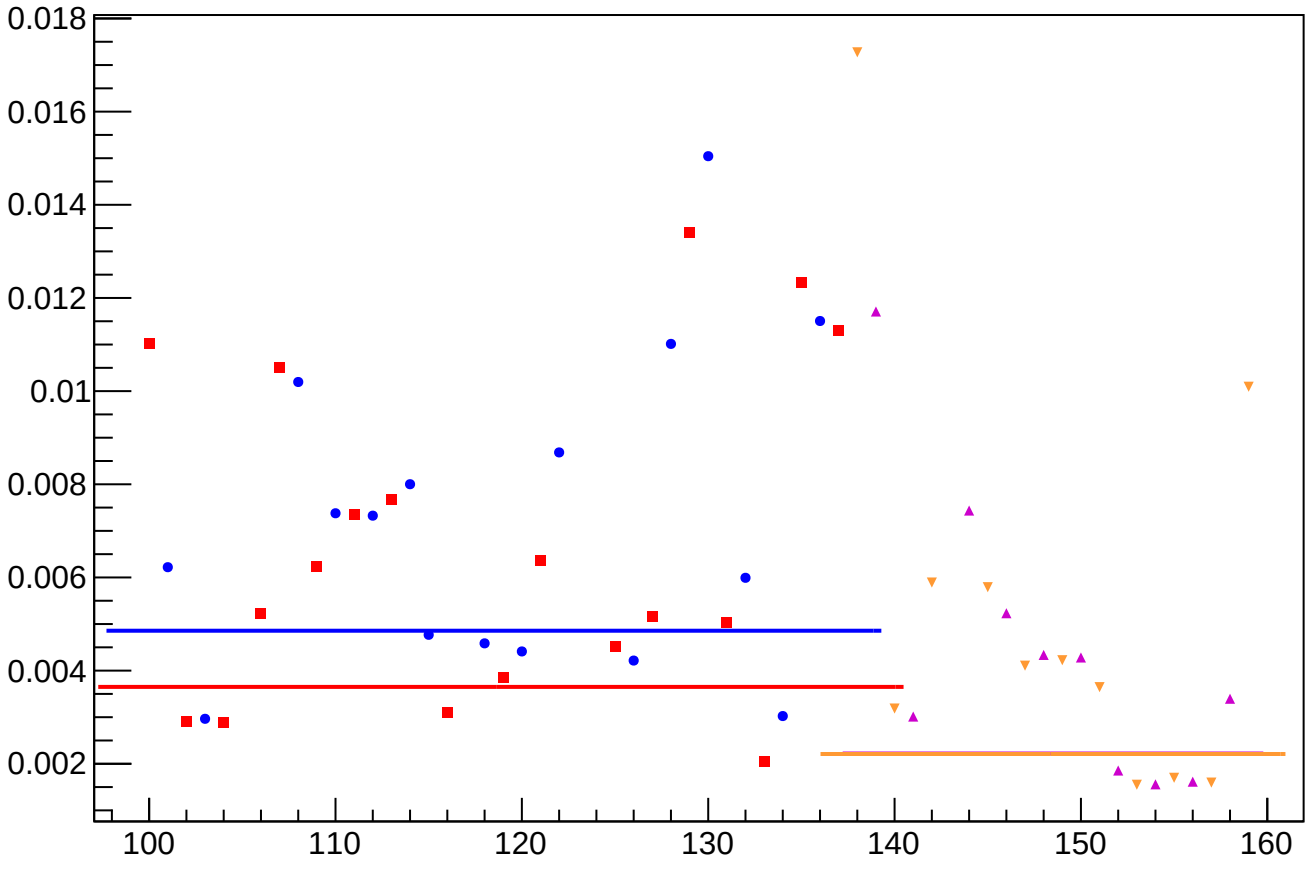
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:27.9/25

Out: 0.000+/-0.000 χ^2/NDF:33.3/28

All: 0.000+/-0.000 χ^2/NDF: 61.5/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4860931.8/10

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3818396.2/9

Left: 0.002+/-0.000 χ^2/NDF: 8679463.0/20

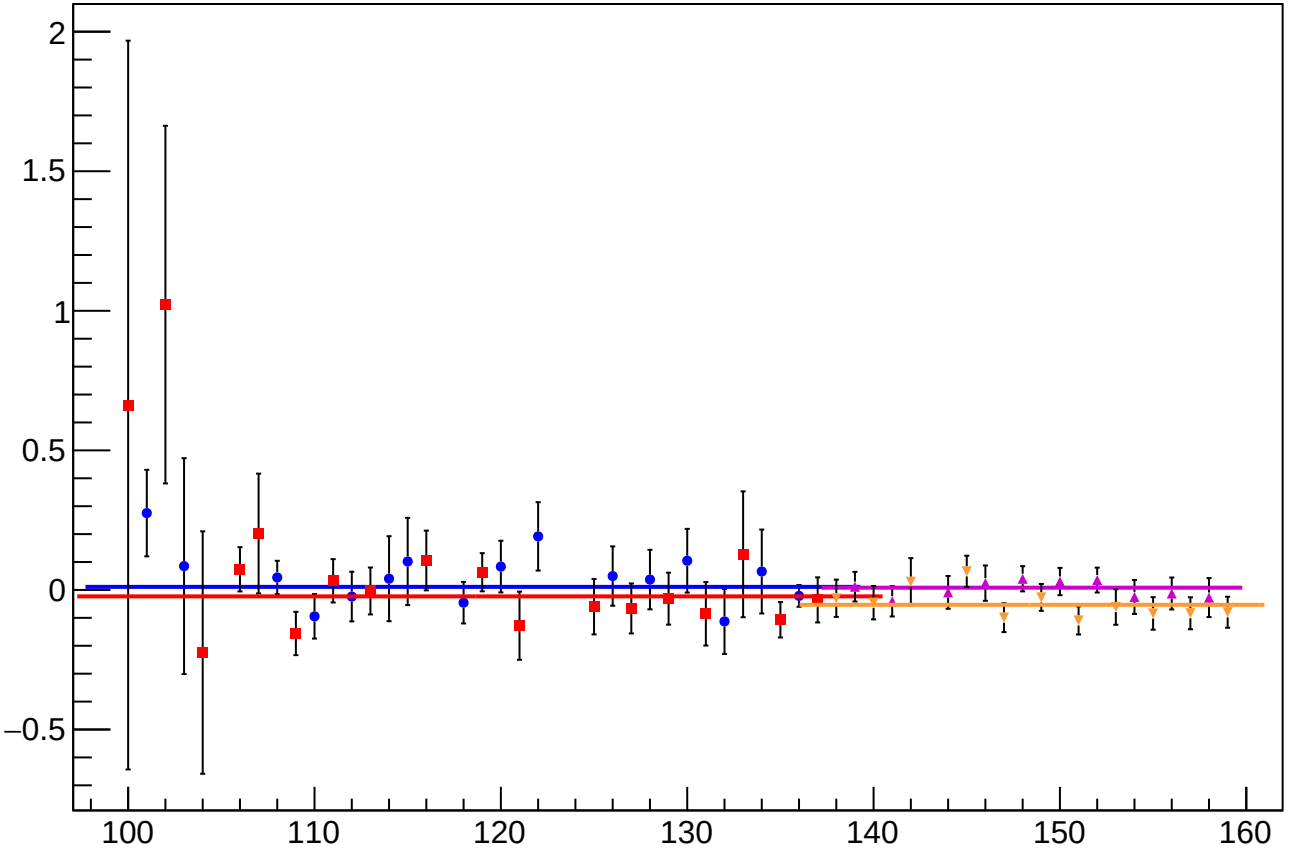
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:9247757.9/25

Out: 0.003+/-0.000 χ^2/NDF:9241864.9/28

All: 0.003+/-0.000 χ^2/NDF: 18501147.3/54

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: -0.053+/-0.017 χ^2/NDF:8.8/10

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.022+/-0.012 χ^2/NDF: 17.9/20

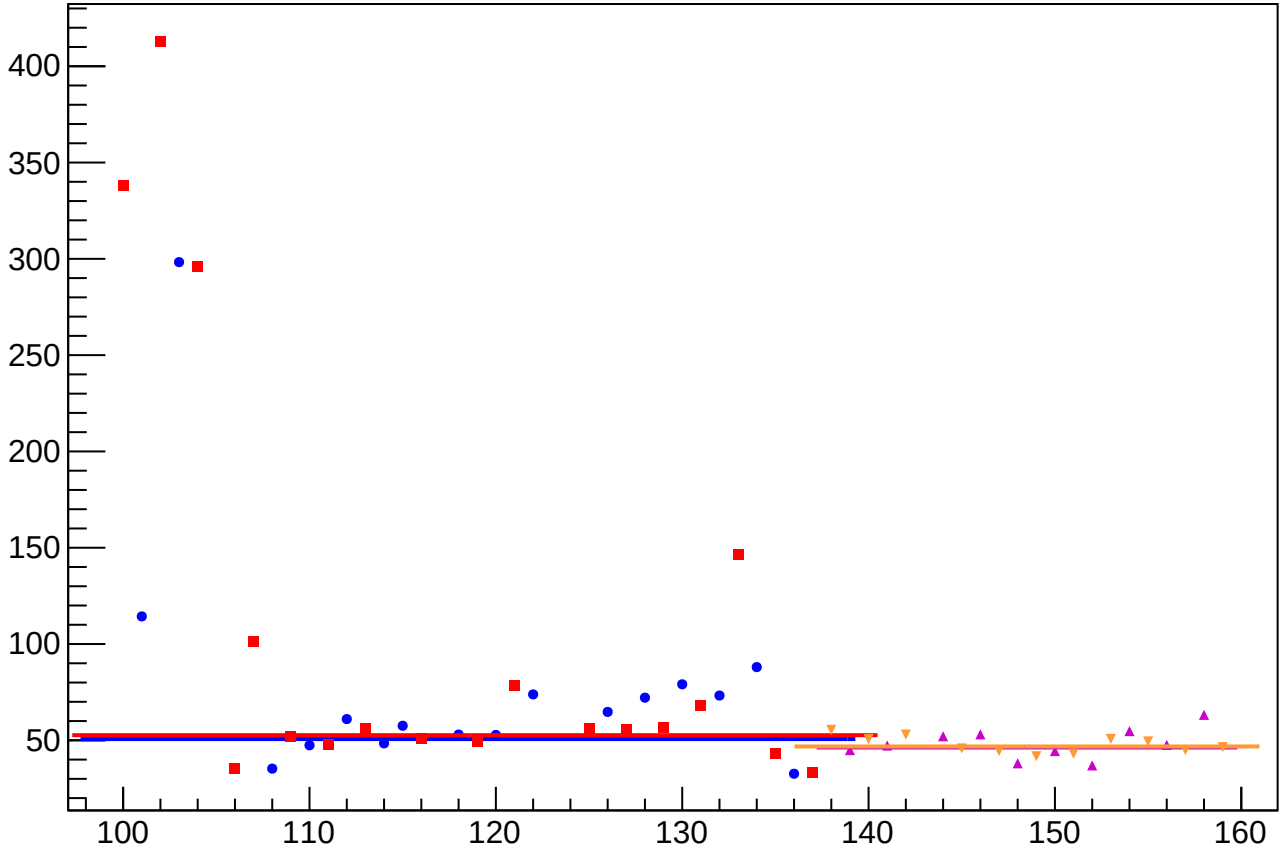
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.016+/-0.010 χ^2/NDF: 47.4/54

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: 46.816+/-0.012 χ^2/NDF:103630.9/10

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.276+/-0.012 χ^2/NDF:359045.3/9

Left: 46.542+/-0.009 χ^2/NDF: 463660.0/20

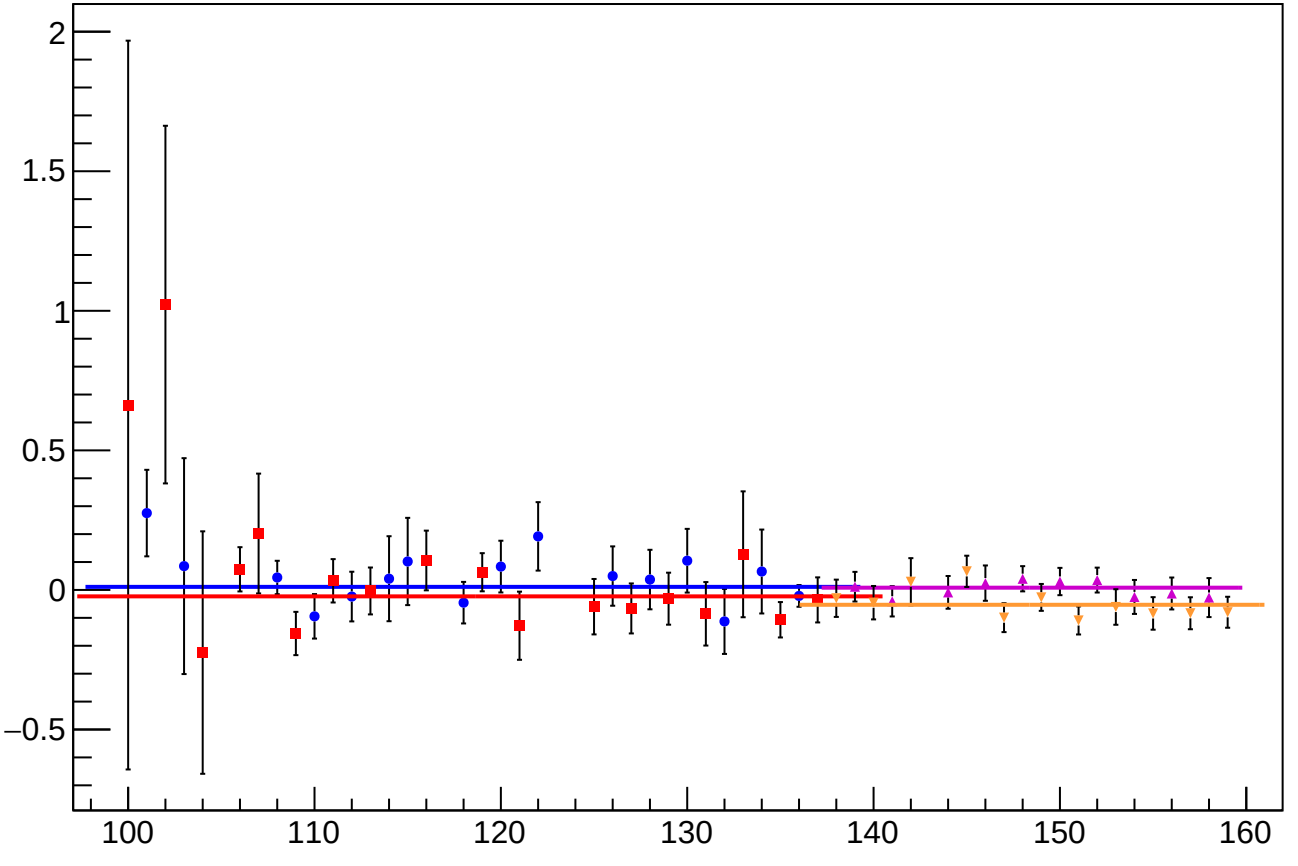
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.932+/-0.010 χ^2/NDF:2674964.6/25

Out: 48.921+/-0.010 χ^2/NDF:2397509.3/28

All: 48.412+/-0.007 χ^2/NDF: 5077714.0/54

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: -0.053+/-0.017 χ^2/NDF:8.8/10

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.022+/-0.012 χ^2/NDF: 17.9/20

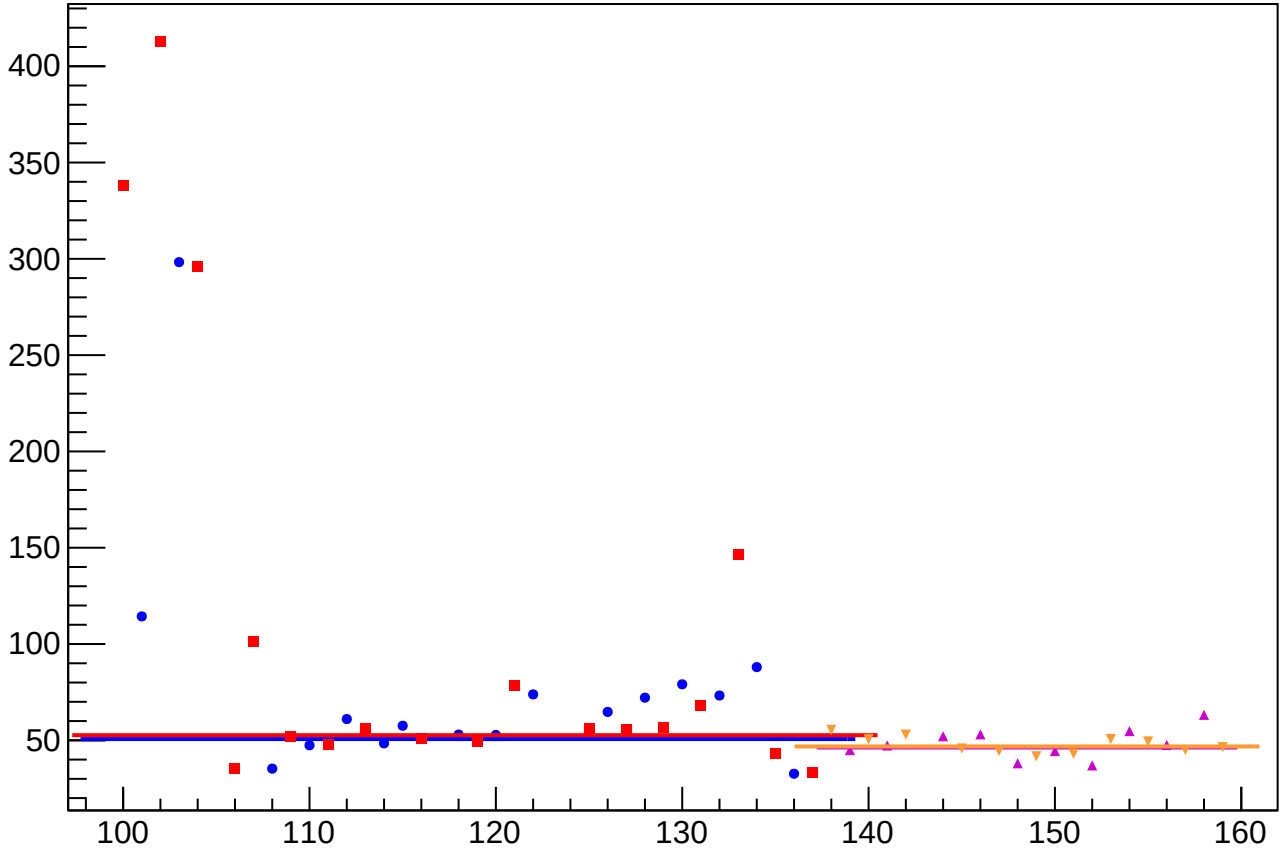
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.016+/-0.010 χ^2/NDF: 47.4/54

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: 46.816+/-0.012 χ^2/NDF:103630.9/10

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.276+/-0.012 χ^2/NDF:359045.3/9

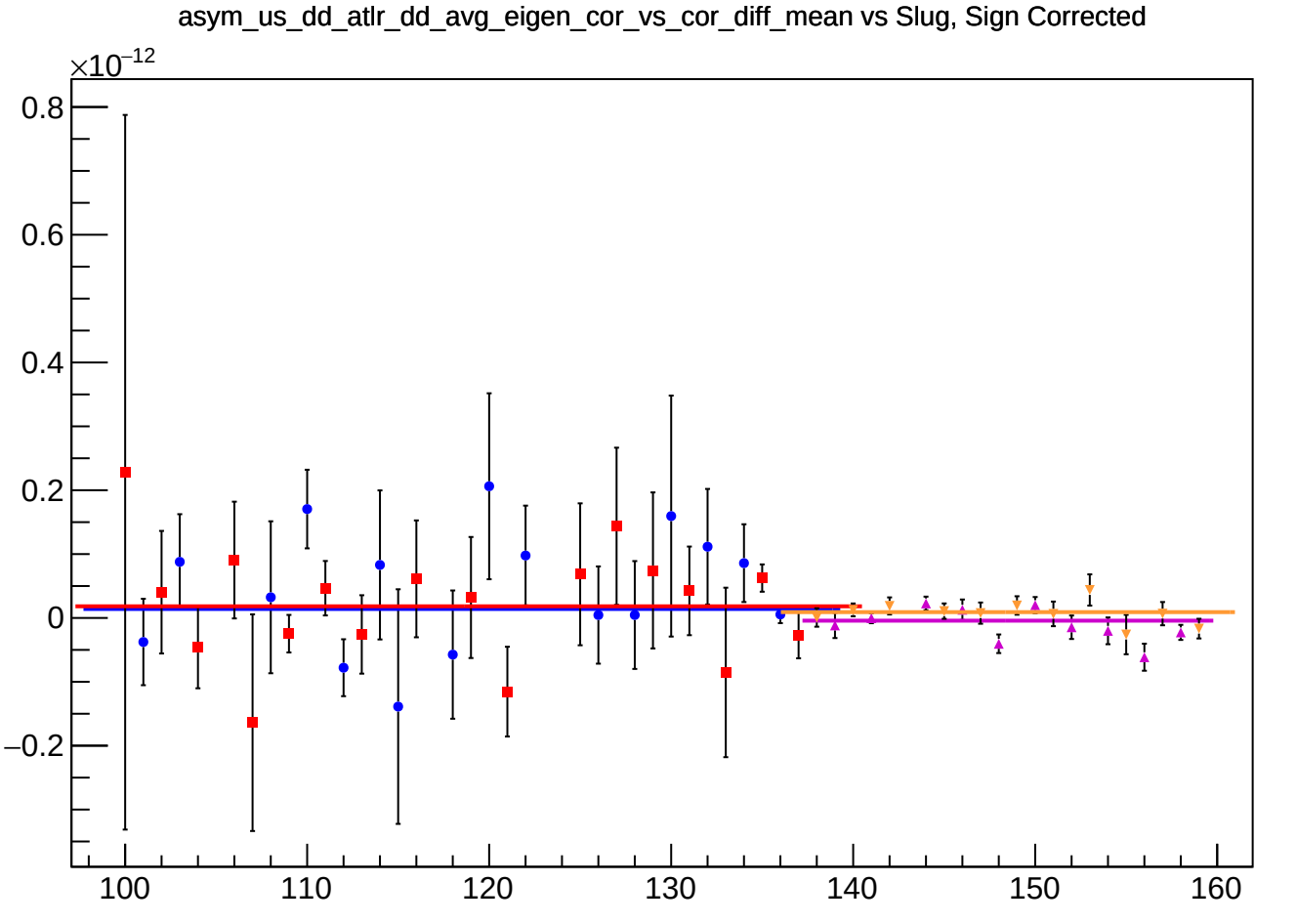
Left: 46.542+/-0.009 χ^2/NDF: 463660.0/20

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.932+/-0.010 χ^2/NDF:2674964.6/25

Out: 48.921+/-0.010 χ^2/NDF:2397509.3/28

All: 48.412+/-0.007 χ^2/NDF: 5077714.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:28.4/9

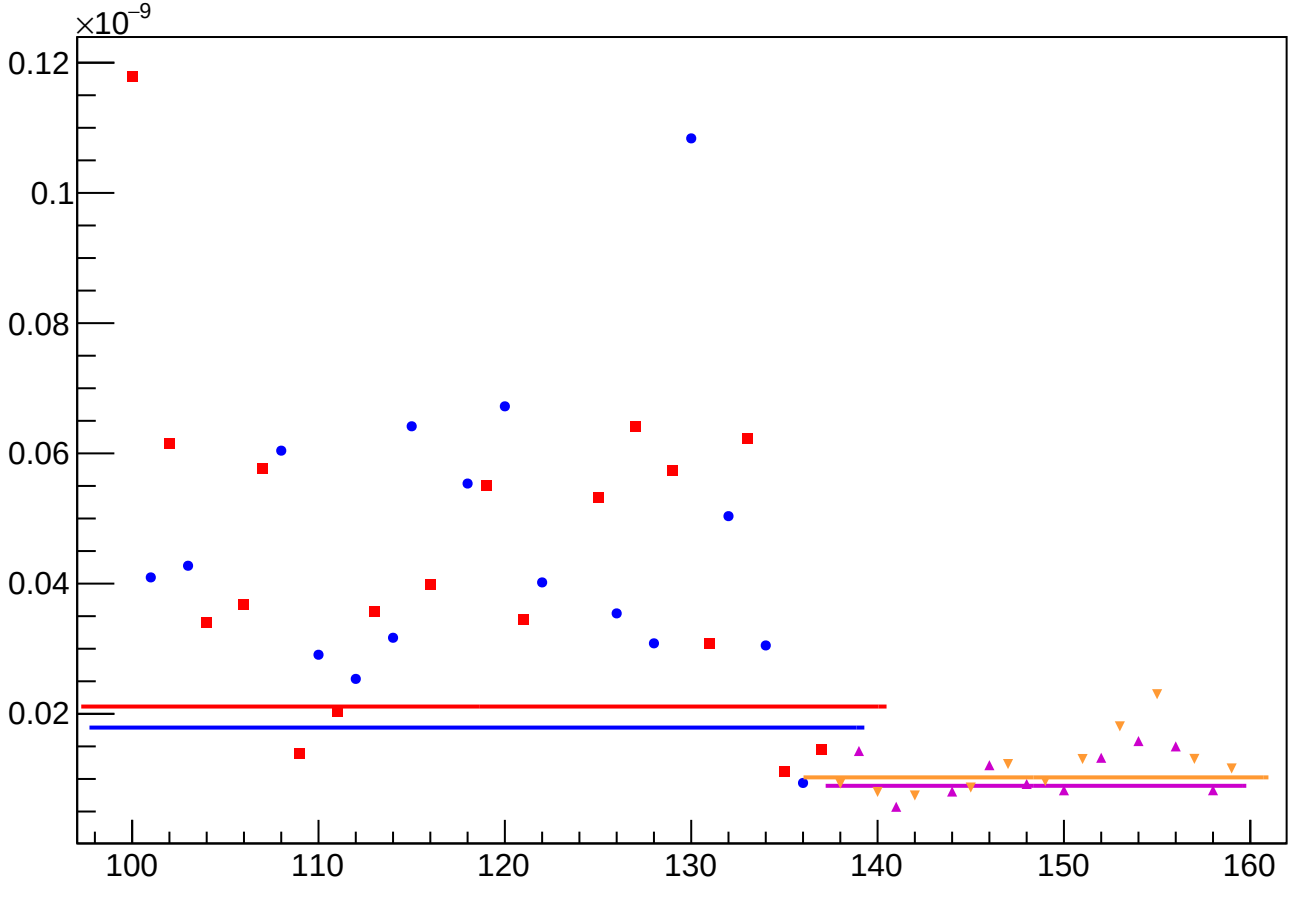
Left: 0.000+/-0.000 χ^2/NDF: 40.8/20

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:51.0/25

Out: 0.000+/-0.000 χ^2/NDF:26.2/28

All: 0.000+/-0.000 χ^2/NDF: 81.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:916137.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1076655.7/9

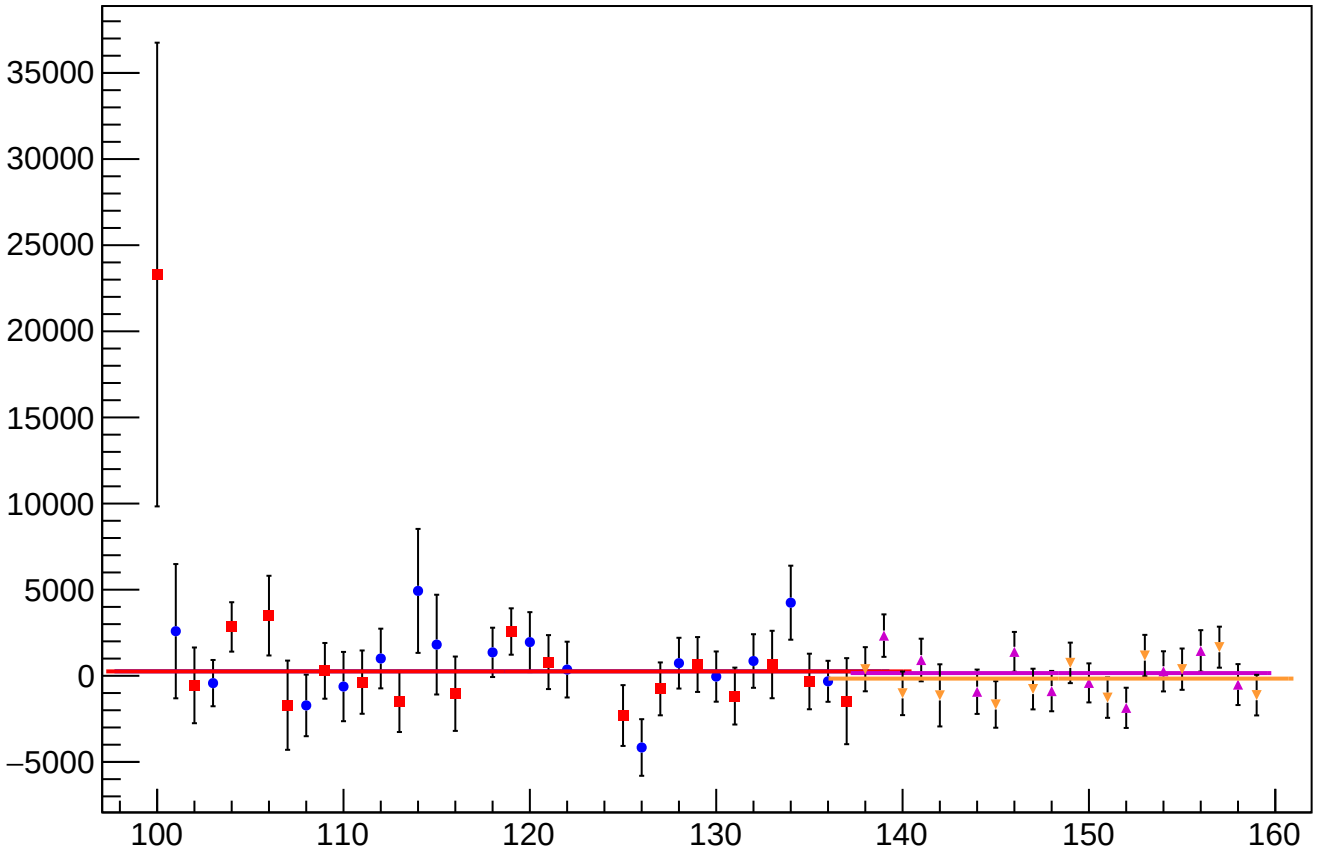
Left: 0.000+/-0.000 χ^2/NDF: 2080602.0/20

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5572983.1/25

Out: 0.000+/-0.000 χ^2/NDF:4868207.8/28

All: 0.000+/-0.000 χ^2/NDF: 10572658.6/54



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -162.044+/-376.074 χ^2/NDF:8.4/10

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 158.326+/-376.890 χ^2/NDF:10.8/9

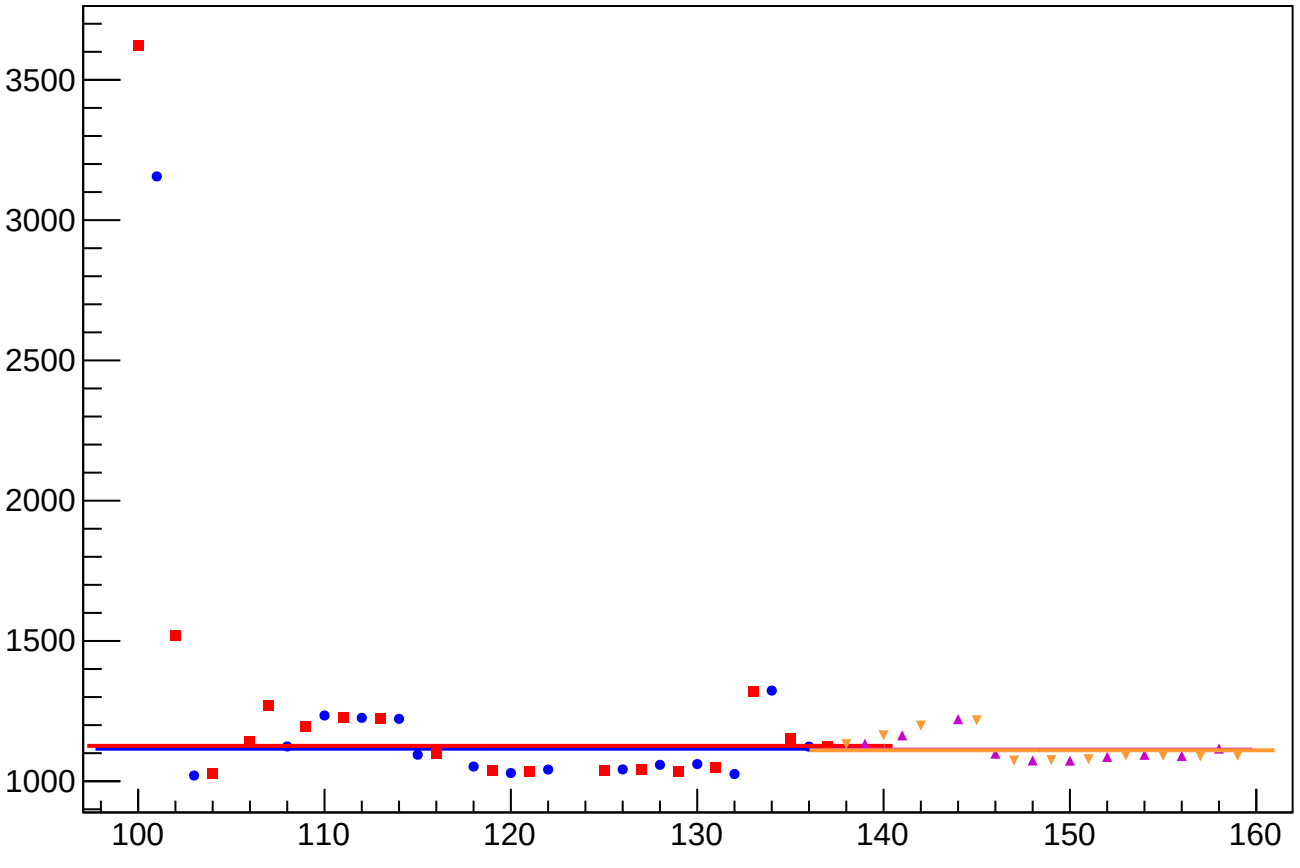
Left: -2.207+/-266.212 χ^2/NDF: 19.6/20

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 203.476+/-281.883 χ^2/NDF:27.8/25

Out: 21.132+/-281.869 χ^2/NDF:26.3/28

All: 112.299+/-199.316 χ^2/NDF: 54.3/54



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1110.390+/-0.266 χ^2/NDF:28662.9/10

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

Left: 1111.385+/-0.188 χ^2/NDF: 53982.2/20

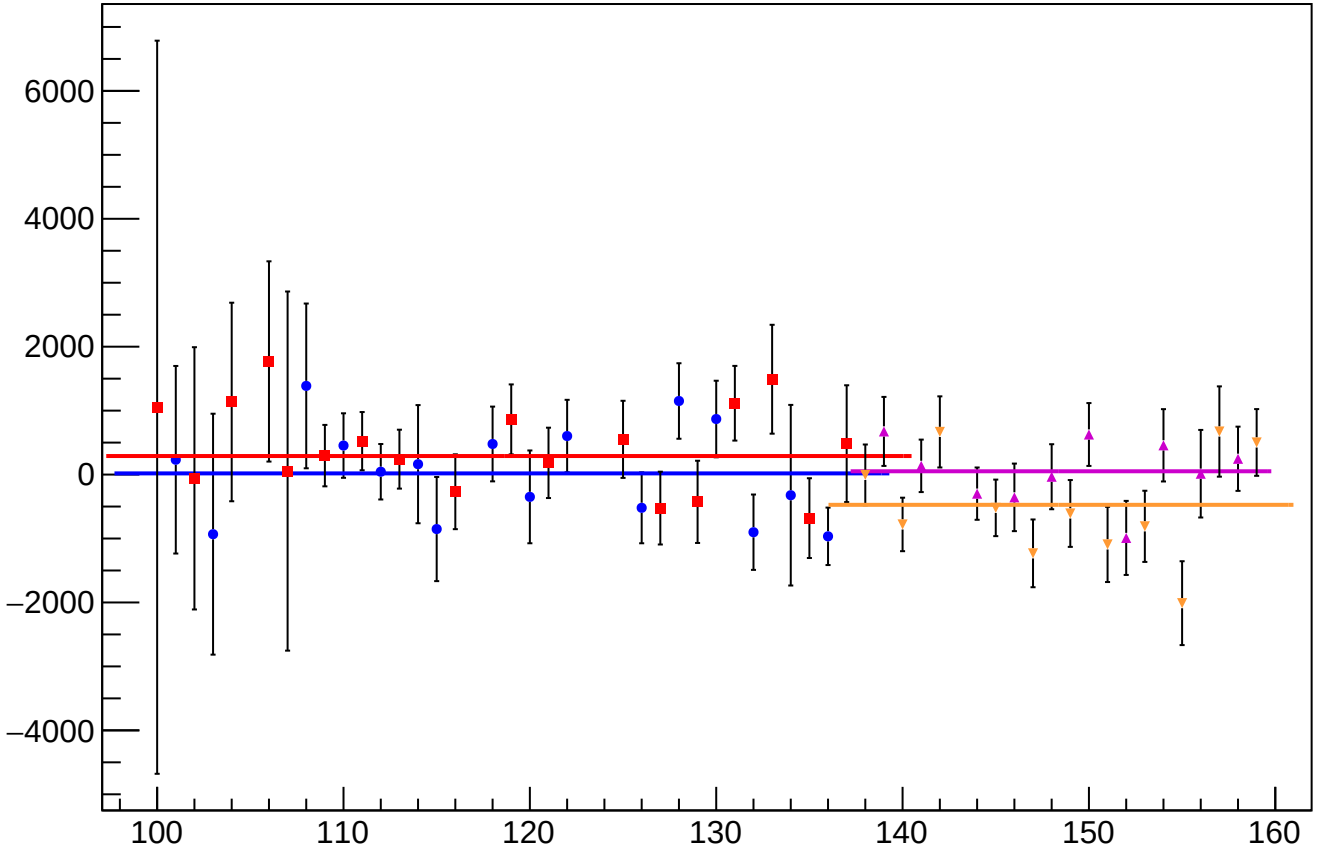
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1114.016+/-0.199 χ^2/NDF:648767.3/25

Out: 1117.238+/-0.199 χ^2/NDF:252282.1/28

All: 1115.627+/-0.141 χ^2/NDF: 901179.9/54

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -473.173+/-158.425 χ^2/NDF:20.9/10

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 51.590+/-159.803 χ^2/NDF:8.0/9

Left: -213.063+/-112.507 χ^2/NDF: 34.4/20

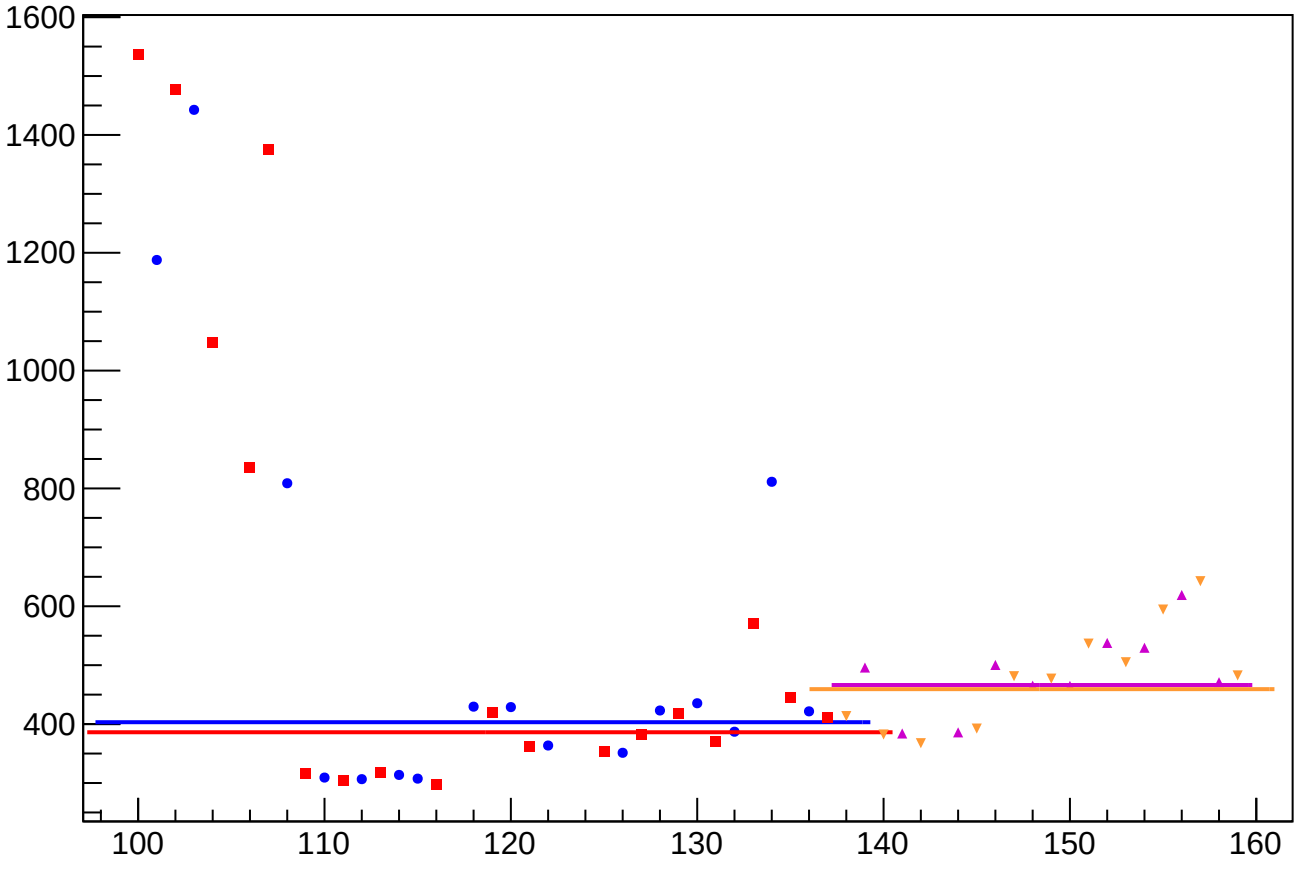
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 35.177+/-113.501 χ^2/NDF:27.2/25

Out: -86.189+/-111.225 χ^2/NDF:46.2/28

All: -26.735+/-79.440 χ^2/NDF: 74.0/54

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: 459.312+/-0.112 χ^2/NDF:463875.4/10

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 466.332+/-0.113 χ^2/NDF:327389.7/9

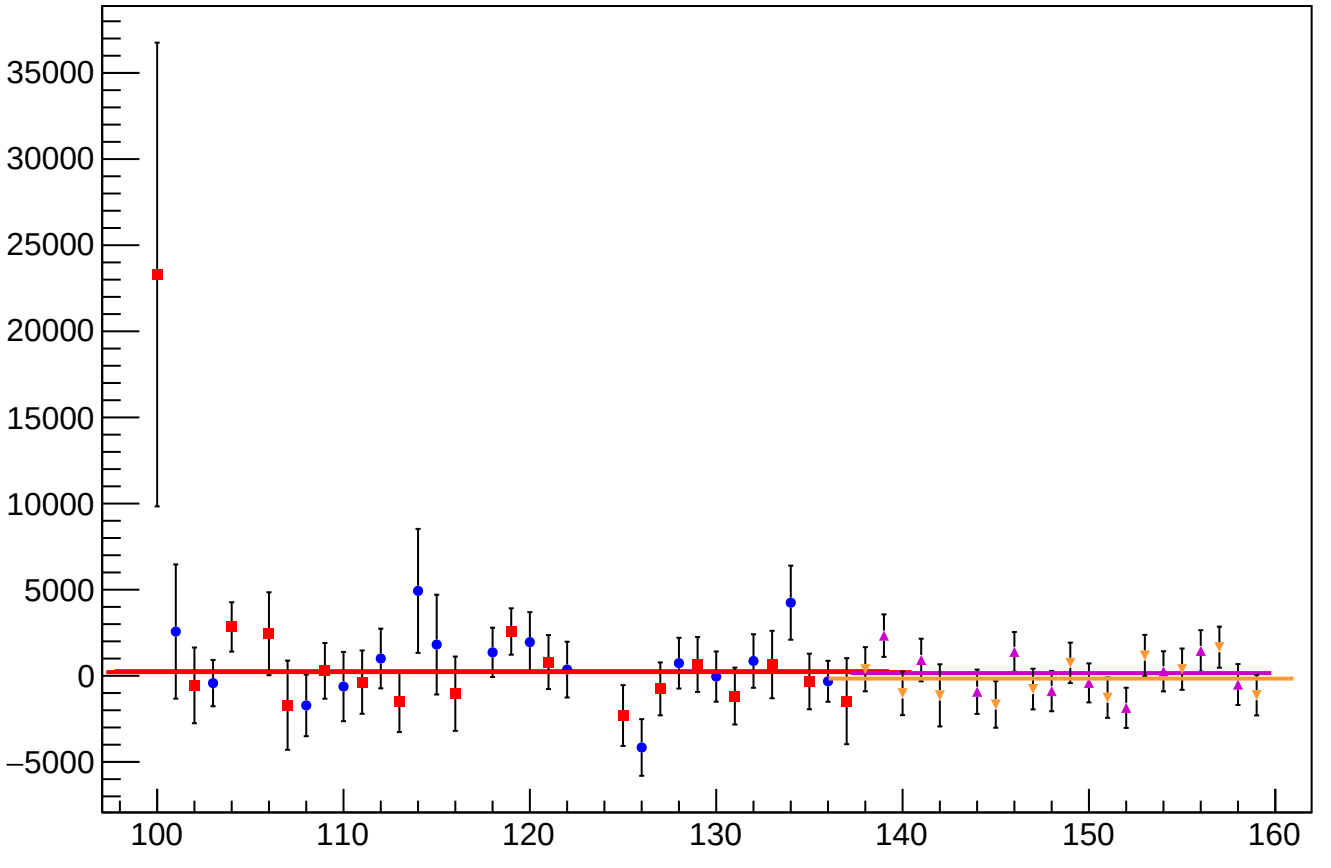
Left: 462.791+/-0.080 χ^2/NDF: 793211.4/20

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 435.045+/-0.080 χ^2/NDF:2290528.9/25

Out: 422.209+/-0.079 χ^2/NDF:2439309.9/28

All: 428.497+/-0.056 χ^2/NDF: 4742887.8/54



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -162.056+/-376.074 χ^2/NDF:8.4/10

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 158.335+/-376.890 χ^2/NDF:10.8/9

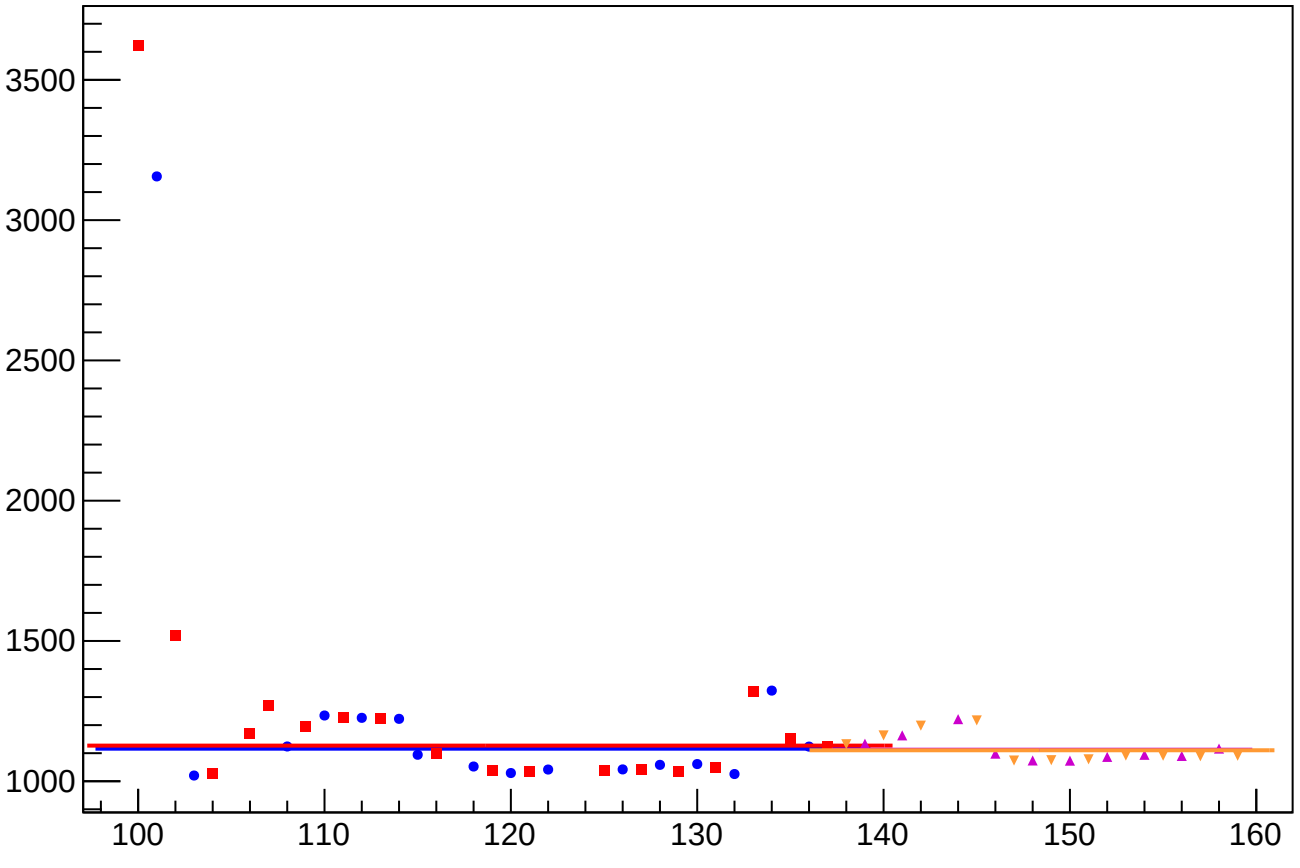
Left: -2.208+/-266.212 χ^2/NDF: 19.6/20

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 203.313+/-281.883 χ^2/NDF:27.8/25

Out: 2.725+/-282.030 χ^2/NDF:25.0/28

All: 103.071+/-199.374 χ^2/NDF: 53.1/54



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1110.390+/-0.266 χ^2/NDF:28662.9/10

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

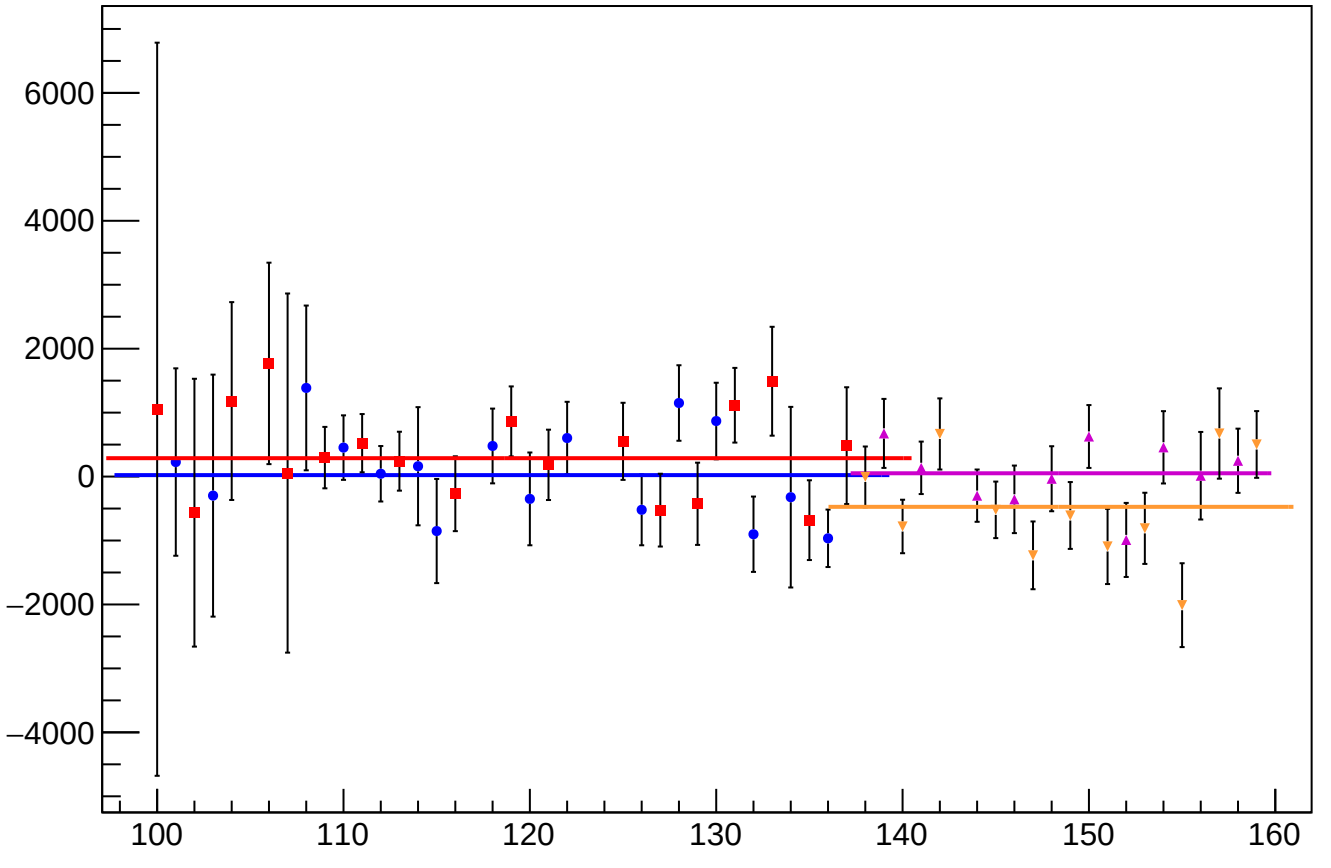
Left: 1111.385+/-0.188 χ^2/NDF: 53982.2/20

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1114.016+/-0.199 χ^2/NDF:648768.3/25

Out: 1117.641+/-0.199 χ^2/NDF:253102.3/28

All: 1115.828+/-0.141 χ^2/NDF: 902035.8/54



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -473.272+/-158.425 χ^2/NDF:20.9/10

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 51.640+/-159.801 χ^2/NDF:8.0/9

Left: -213.087+/-112.507 χ^2/NDF: 34.4/20

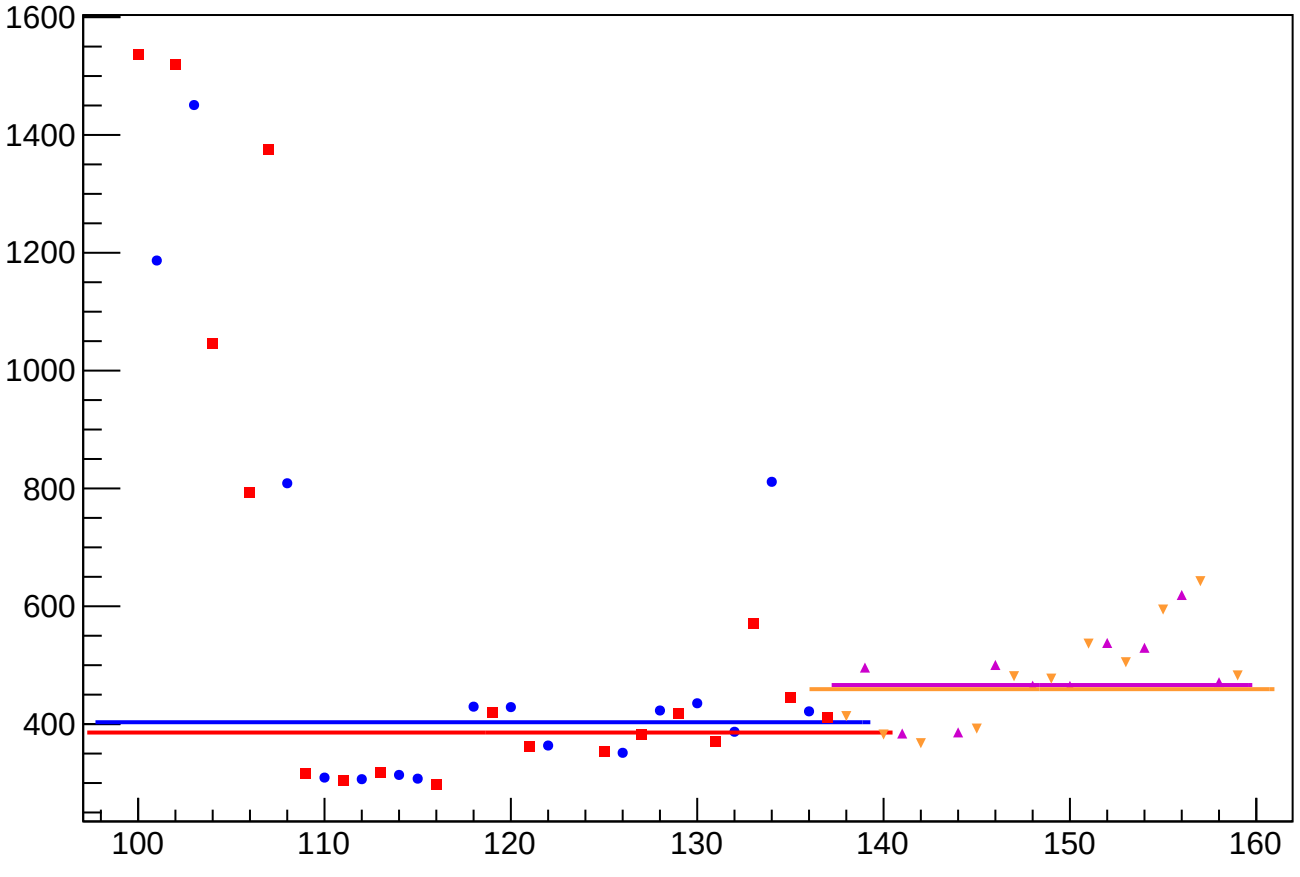
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 37.410+/-113.501 χ^2/NDF:27.0/25

Out: -87.479+/-111.233 χ^2/NDF:46.3/28

All: -26.295+/-79.443 χ^2/NDF: 73.9/54

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: 459.309+/-0.112 χ^2/NDF:463894.9/10

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

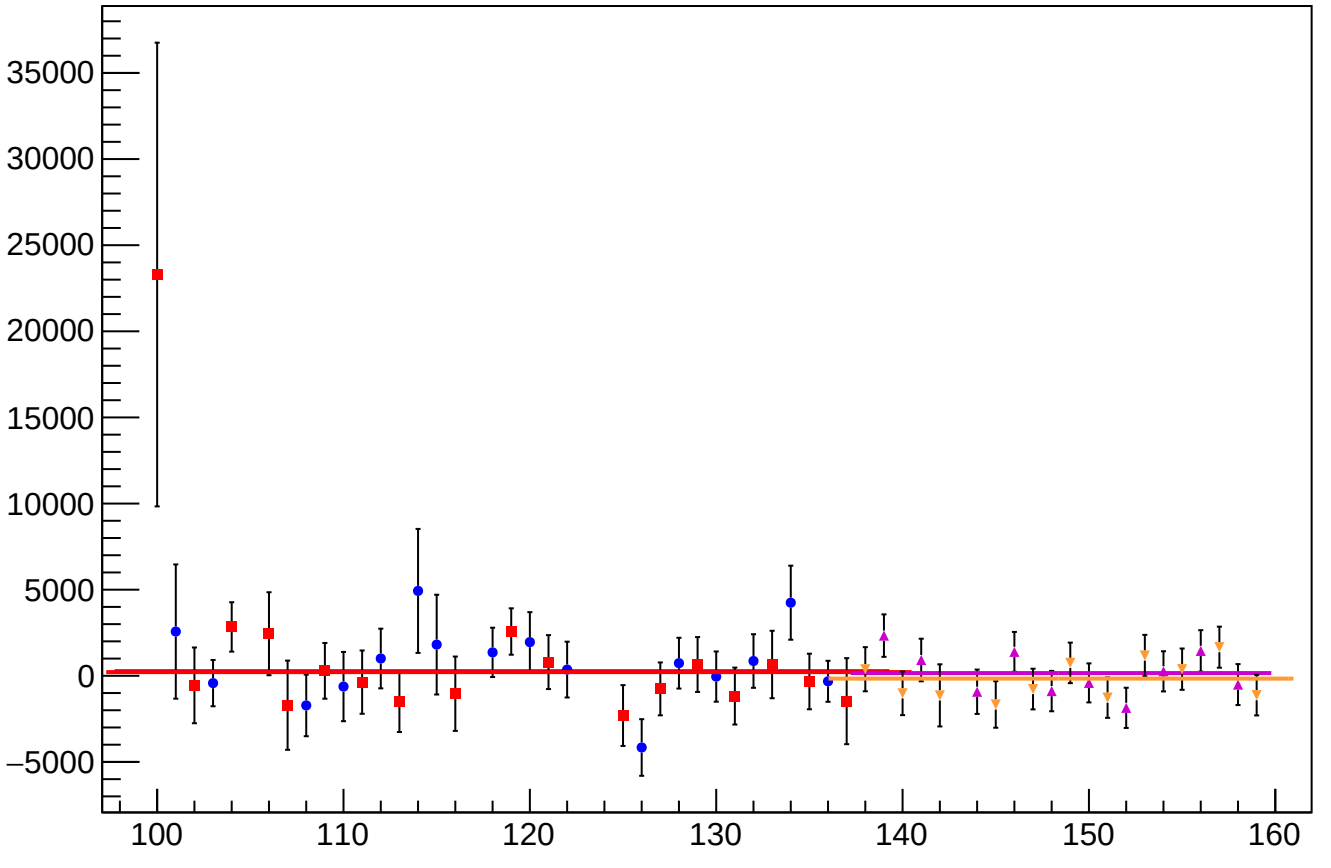
Left: 462.788+/-0.080 χ^2/NDF: 793209.1/20

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 435.038+/-0.080 χ^2/NDF:2294226.5/25

Out: 421.978+/-0.079 χ^2/NDF:2430074.8/28

All: 428.376+/-0.056 χ^2/NDF: 4737808.8/54



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -162.056+/-376.074 χ^2/NDF:8.4/10

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 158.335+/-376.890 χ^2/NDF:10.8/9

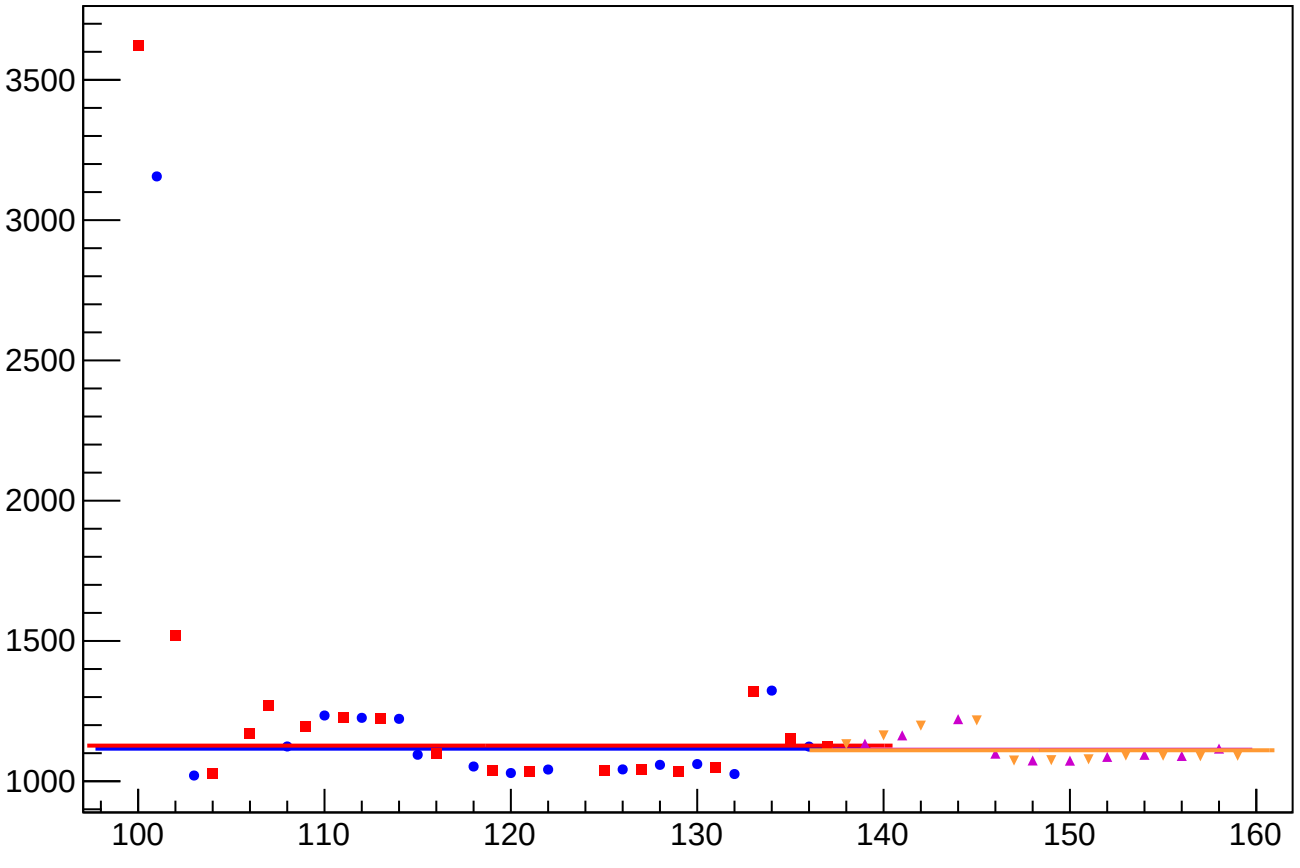
Left: -2.208+/-266.212 χ^2/NDF: 19.6/20

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 203.313+/-281.883 χ^2/NDF:27.8/25

Out: 2.725+/-282.030 χ^2/NDF:25.0/28

All: 103.071+/-199.374 χ^2/NDF: 53.1/54



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1110.390+/-0.266 χ^2/NDF:28662.9/10

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

Left: 1111.385+/-0.188 χ^2/NDF: 53982.2/20

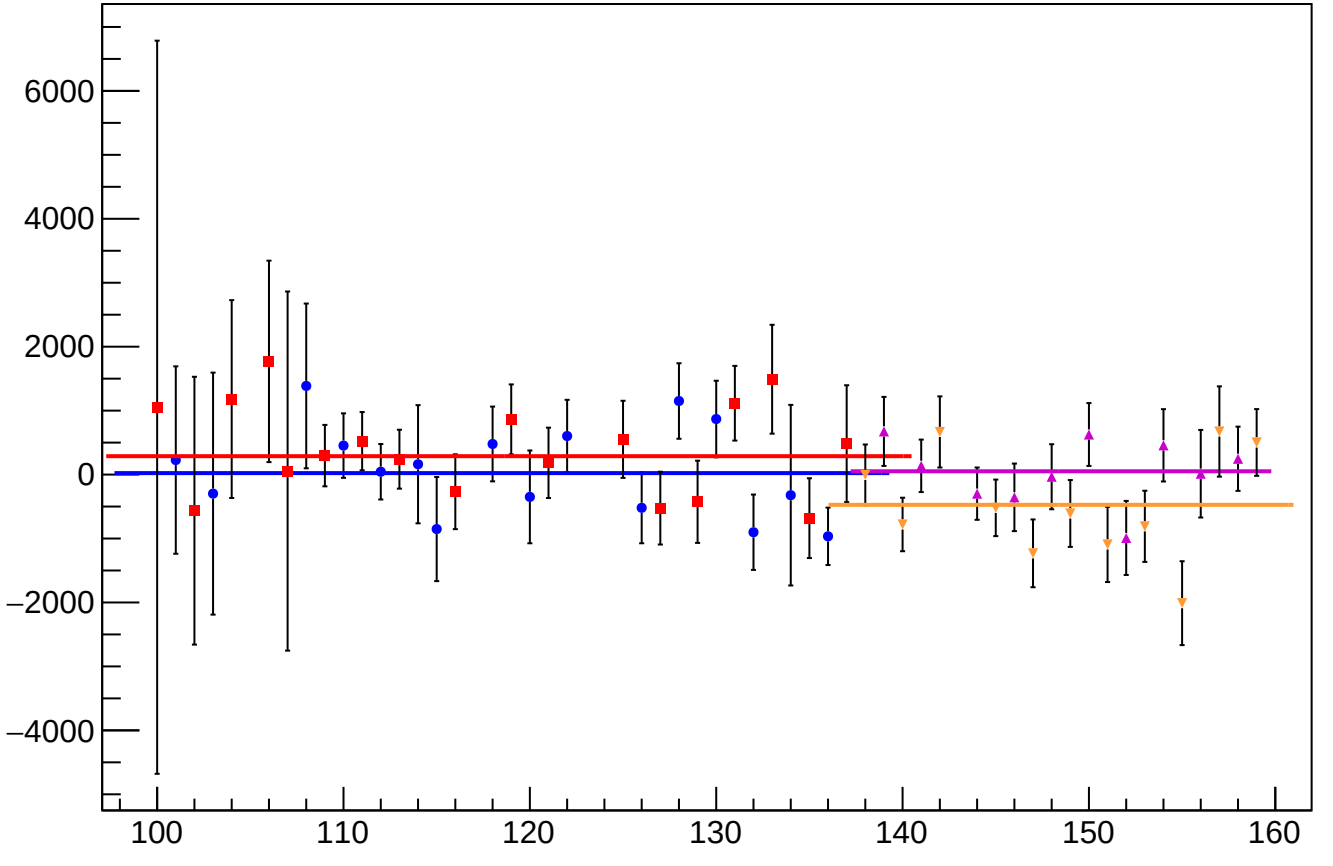
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1114.016+/-0.199 χ^2/NDF:648768.3/25

Out: 1117.641+/-0.199 χ^2/NDF:253102.3/28

All: 1115.828+/-0.141 χ^2/NDF: 902035.8/54

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: -473.272+/-158.425 χ^2/NDF:20.9/10

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 51.640+/-159.801 χ^2/NDF:8.0/9

Left: -213.087+/-112.507 χ^2/NDF: 34.4/20

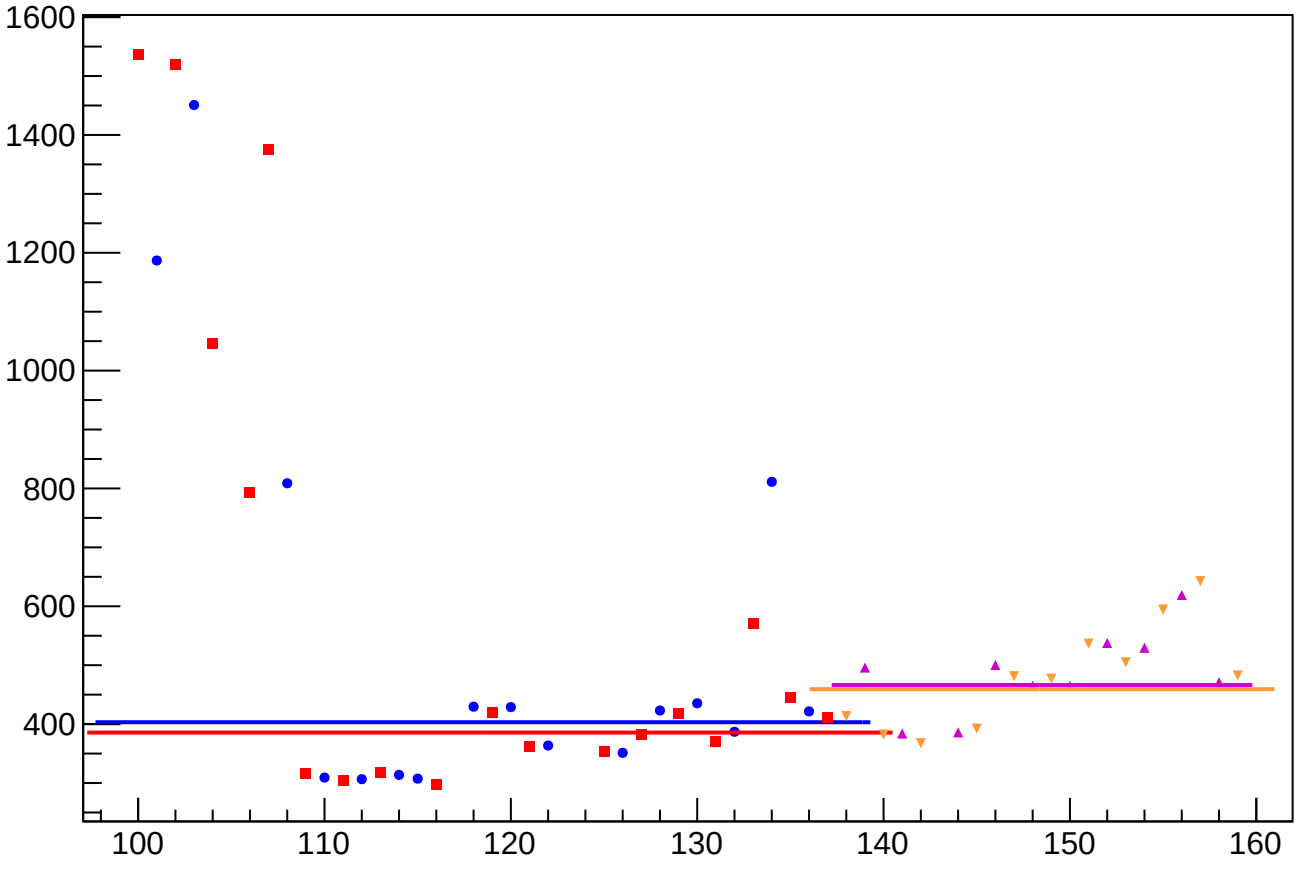
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 37.410+/-113.501 χ^2/NDF:27.0/25

Out: -87.479+/-111.233 χ^2/NDF:46.3/28

All: -26.295+/-79.443 χ^2/NDF: 73.9/54

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: 459.309+/-0.112 χ^2/NDF:463894.9/10

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

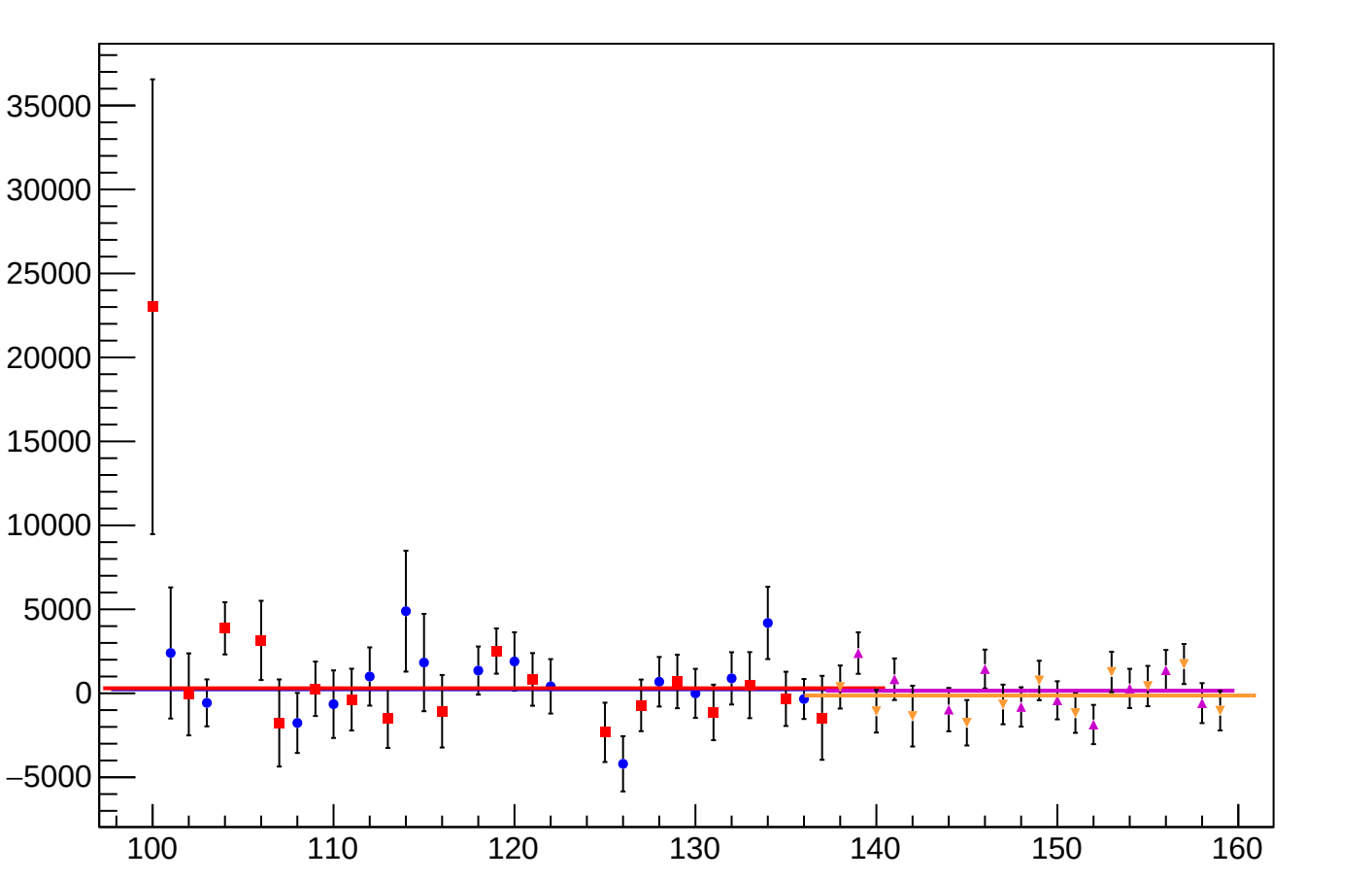
Left: 462.788+/-0.080 χ^2/NDF: 793209.1/20

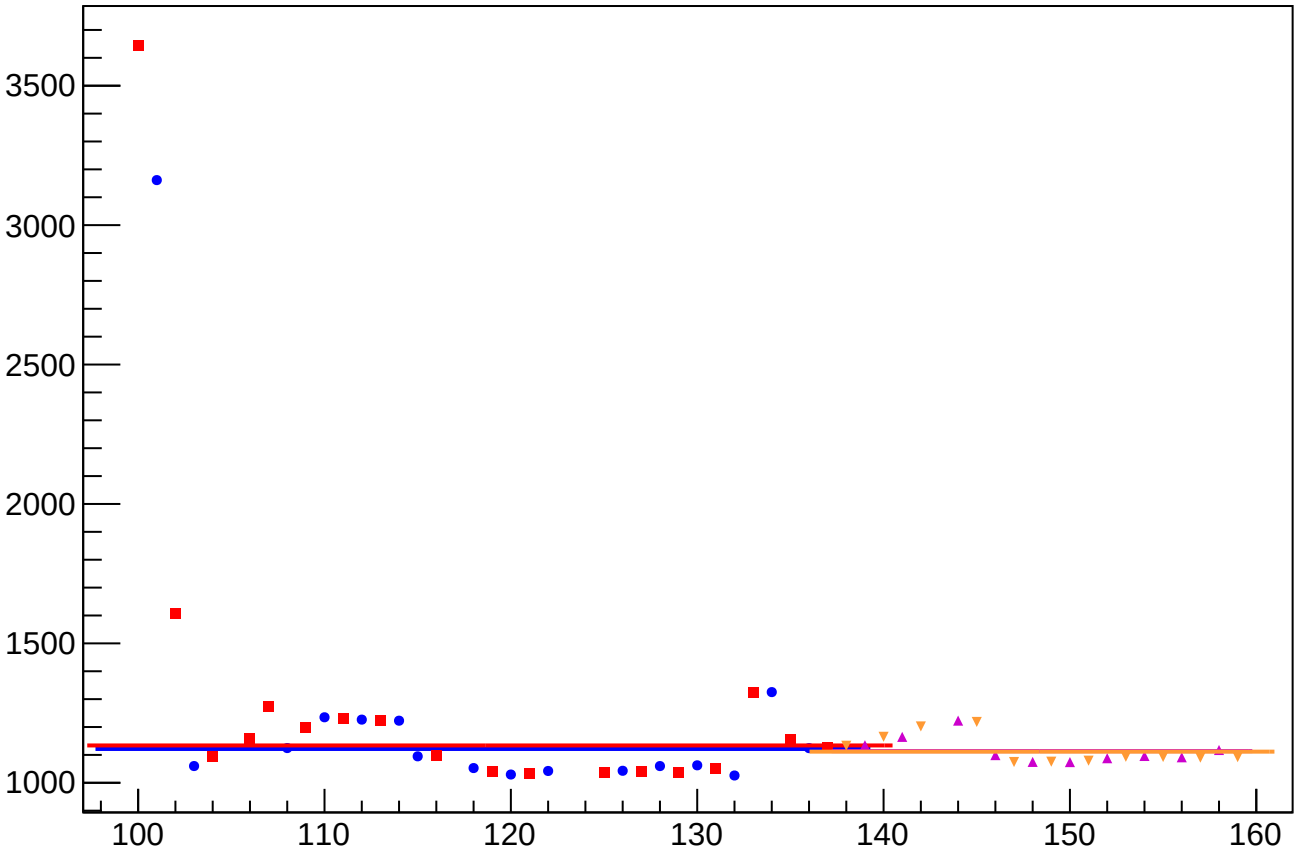
Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 435.038+/-0.080 χ^2/NDF:2294226.5/25

Out: 421.978+/-0.079 χ^2/NDF:2430074.8/28

All: 428.376+/-0.056 χ^2/NDF: 4737808.8/54


dit_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: 240.827+/-426.592 χ²/NDF: 17.0/15
Left Out: -131.714+/-376.524 χ²/NDF:8.8/10
Right Out: 298.921+/-430.767 χ²/NDF: 18.7/17
Left In: 155.321+/-377.300 χ²/NDF:10.9/9
Left: 11.508+/-266.517 χ²/NDF: 20.0/20
Right: 269.591+/-303.111 χ²/NDF: 35.6/33
In: 192.851+/-282.619 χ²/NDF:27.9/25
Out: 54.798+/-283.492 χ²/NDF:28.1/28
All: 124.038+/-200.150 χ²/NDF: 56.1/54



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1111.698+/-0.266 χ^2/NDF:29025.1/10

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.586+/-0.267 χ^2/NDF:25381.3/9

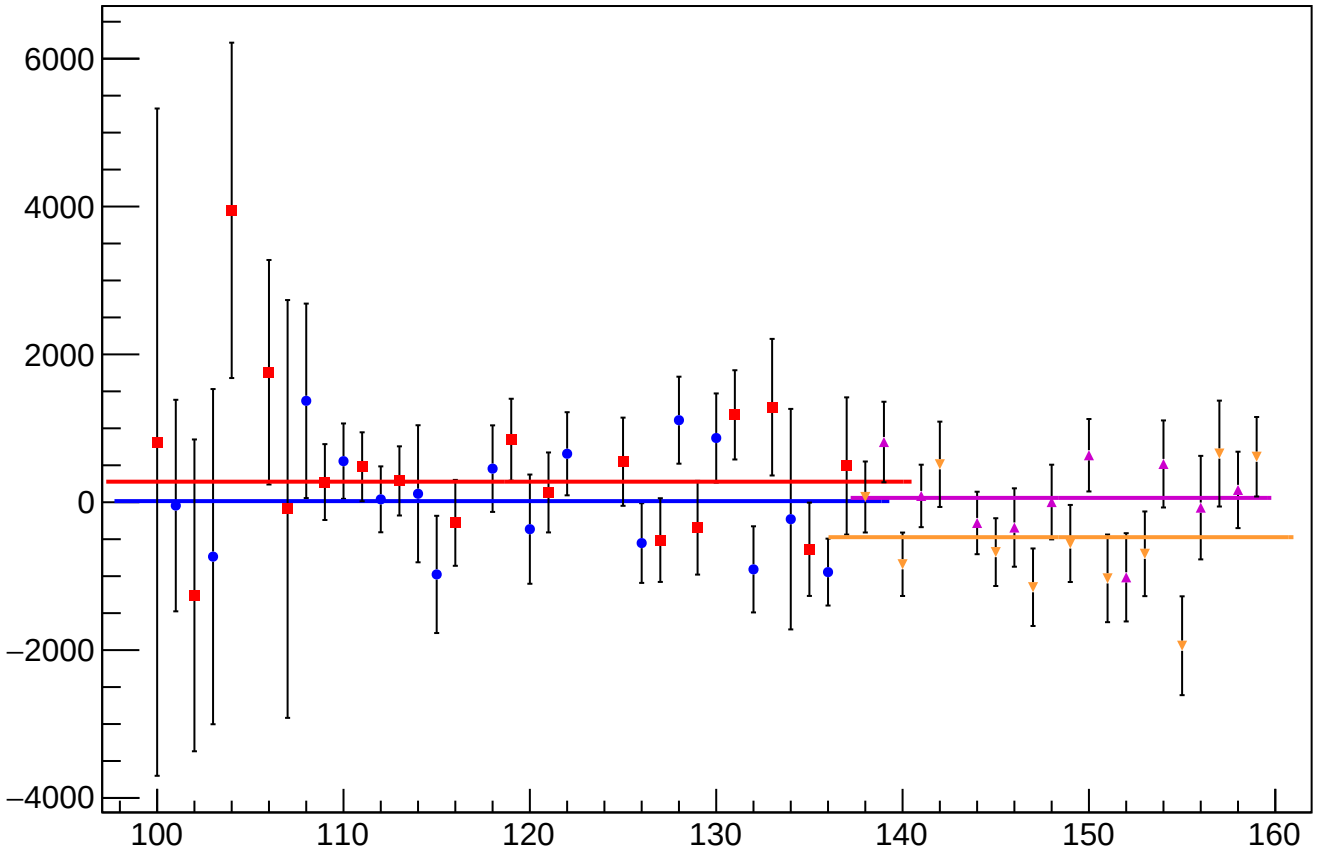
Left: 1112.640+/-0.188 χ^2/NDF: 54431.5/20

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1116.969+/-0.200 χ^2/NDF:642776.1/25

Out: 1121.327+/-0.200 χ^2/NDF:259501.9/28

All: 1119.141+/-0.142 χ^2/NDF: 902515.0/54



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -472.485+/-161.383 χ^2/NDF:19.3/10

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 58.921+/-162.882 χ^2/NDF:8.5/9

Left: -209.238+/-114.641 χ^2/NDF: 33.1/20

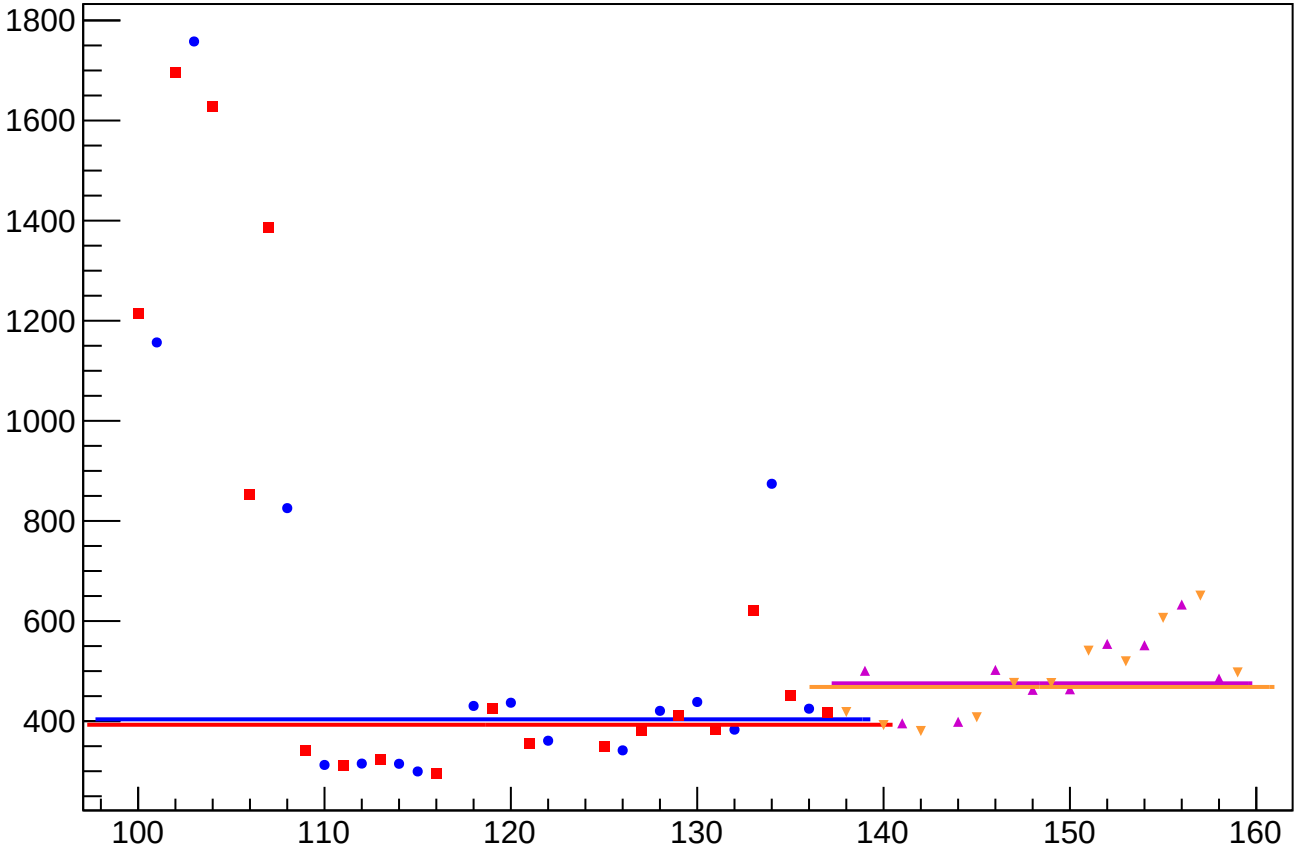
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 36.967+/-114.807 χ^2/NDF:28.1/25

Out: -91.125+/-113.201 χ^2/NDF:45.3/28

All: -27.981+/-80.607 χ^2/NDF: 74.1/54

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: 468.341+/-0.114 χ^2/NDF:434065.0/10

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 475.566+/-0.115 χ^2/NDF:319562.5/9

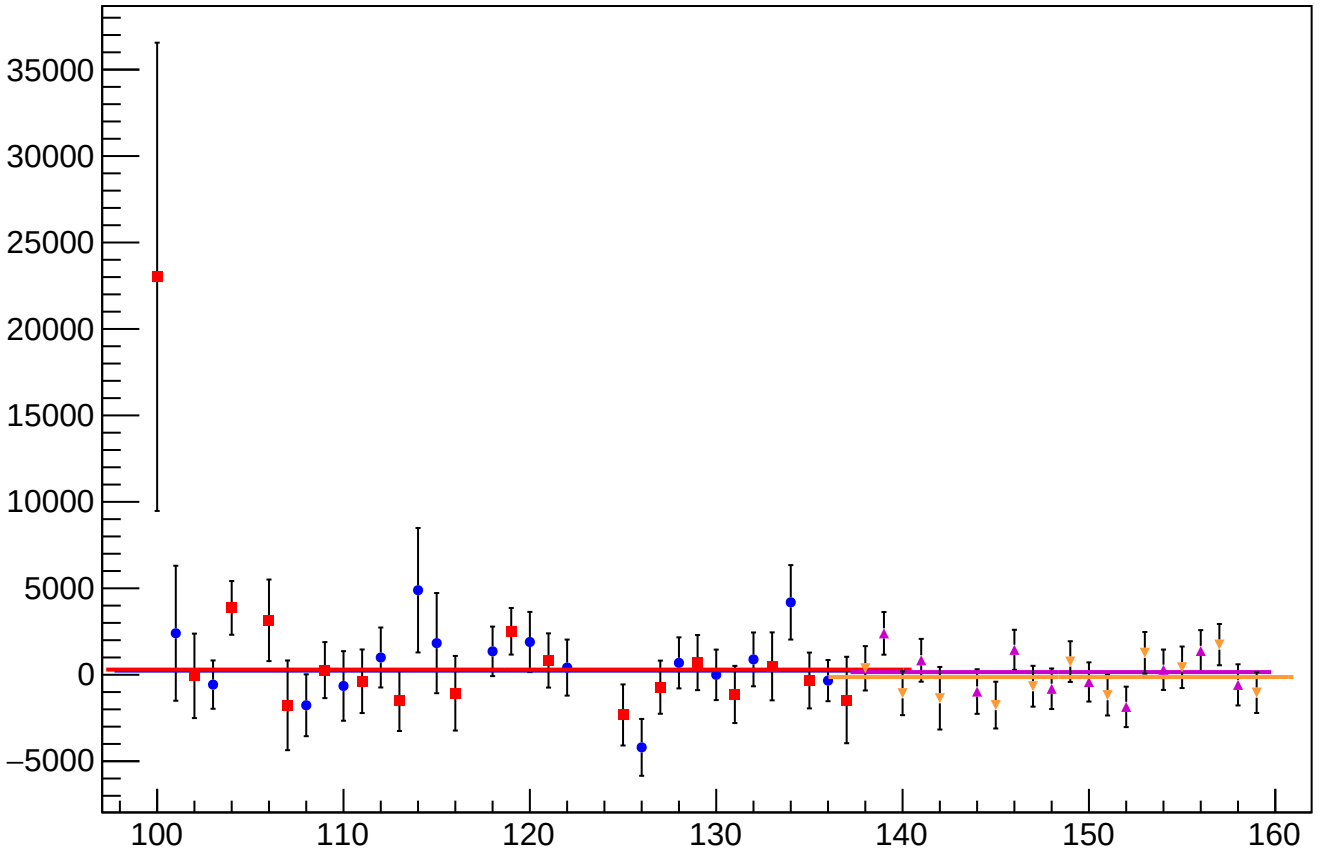
Left: 471.920+/-0.081 χ^2/NDF: 755612.9/20

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 439.381+/-0.081 χ^2/NDF:2445313.7/25

Out: 429.978+/-0.080 χ^2/NDF:2860003.1/28

All: 434.613+/-0.057 χ^2/NDF: 5312119.4/54



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -131.718+/-376.524 χ^2/NDF:8.8/10

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 155.319+/-377.300 χ^2/NDF:10.9/9

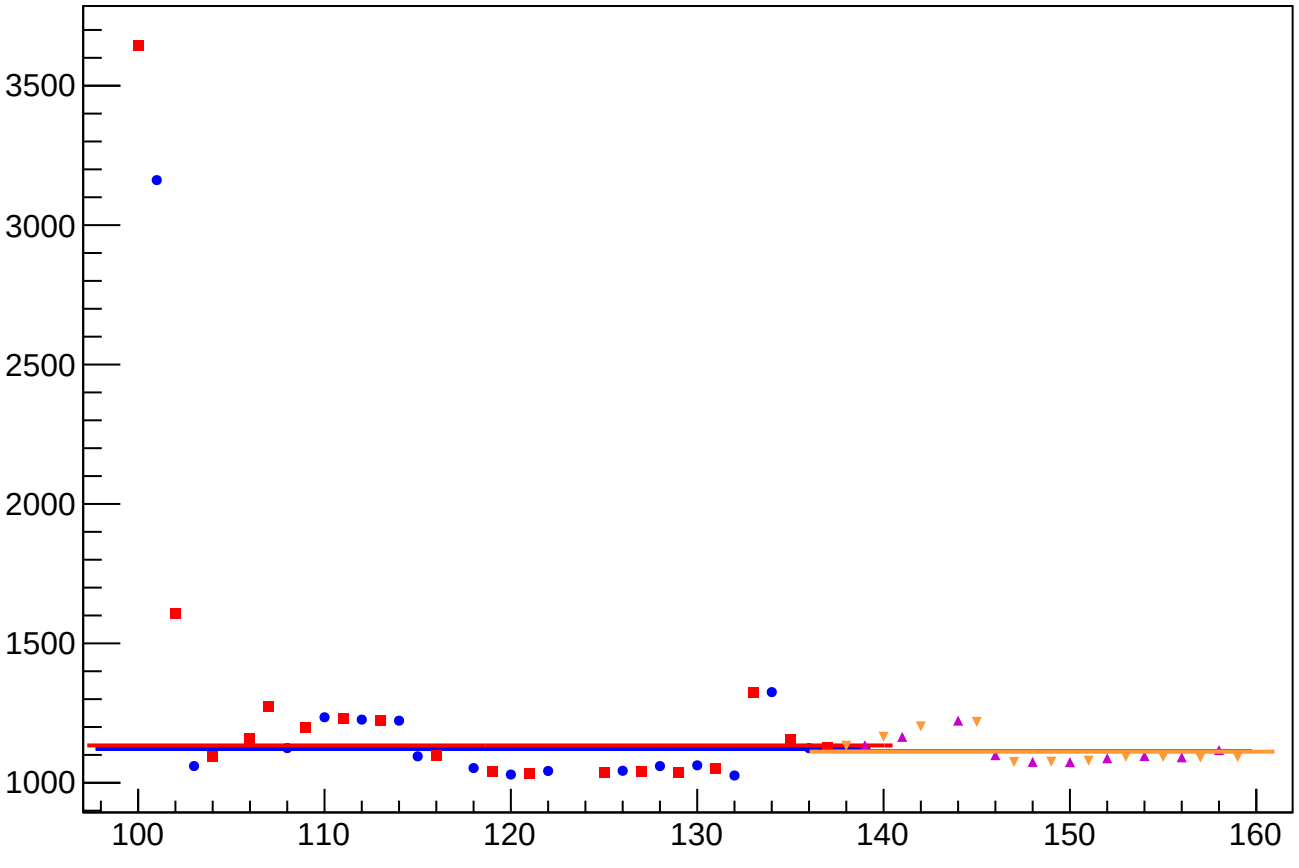
Left: 11.505+/-266.517 χ^2/NDF: 20.0/20

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 192.851+/-282.619 χ^2/NDF:27.9/25

Out: 54.797+/-283.492 χ^2/NDF:28.1/28

All: 124.037+/-200.150 χ^2/NDF: 56.1/54



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1111.698+/-0.266 χ^2/NDF:29025.1/10

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.586+/-0.267 χ^2/NDF:25381.4/9

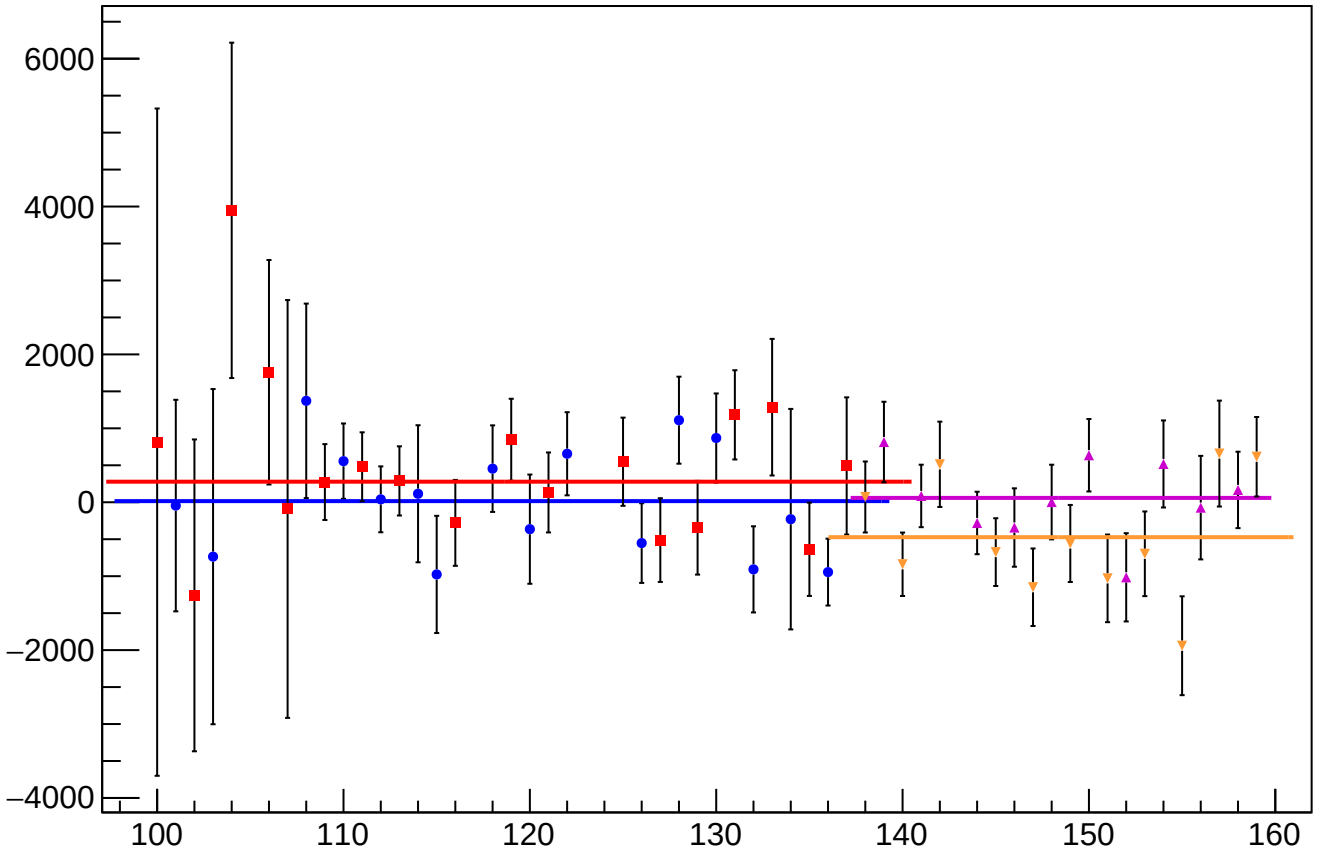
Left: 1112.640+/-0.188 χ^2/NDF: 54431.6/20

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1116.969+/-0.200 χ^2/NDF:642776.1/25

Out: 1121.327+/-0.200 χ^2/NDF:259502.0/28

All: 1119.141+/-0.142 χ^2/NDF: 902515.1/54



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -472.488+/-161.384 χ^2/NDF:19.3/10

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 58.923+/-162.883 χ^2/NDF:8.5/9

Left: -209.239+/-114.642 χ^2/NDF: 33.1/20

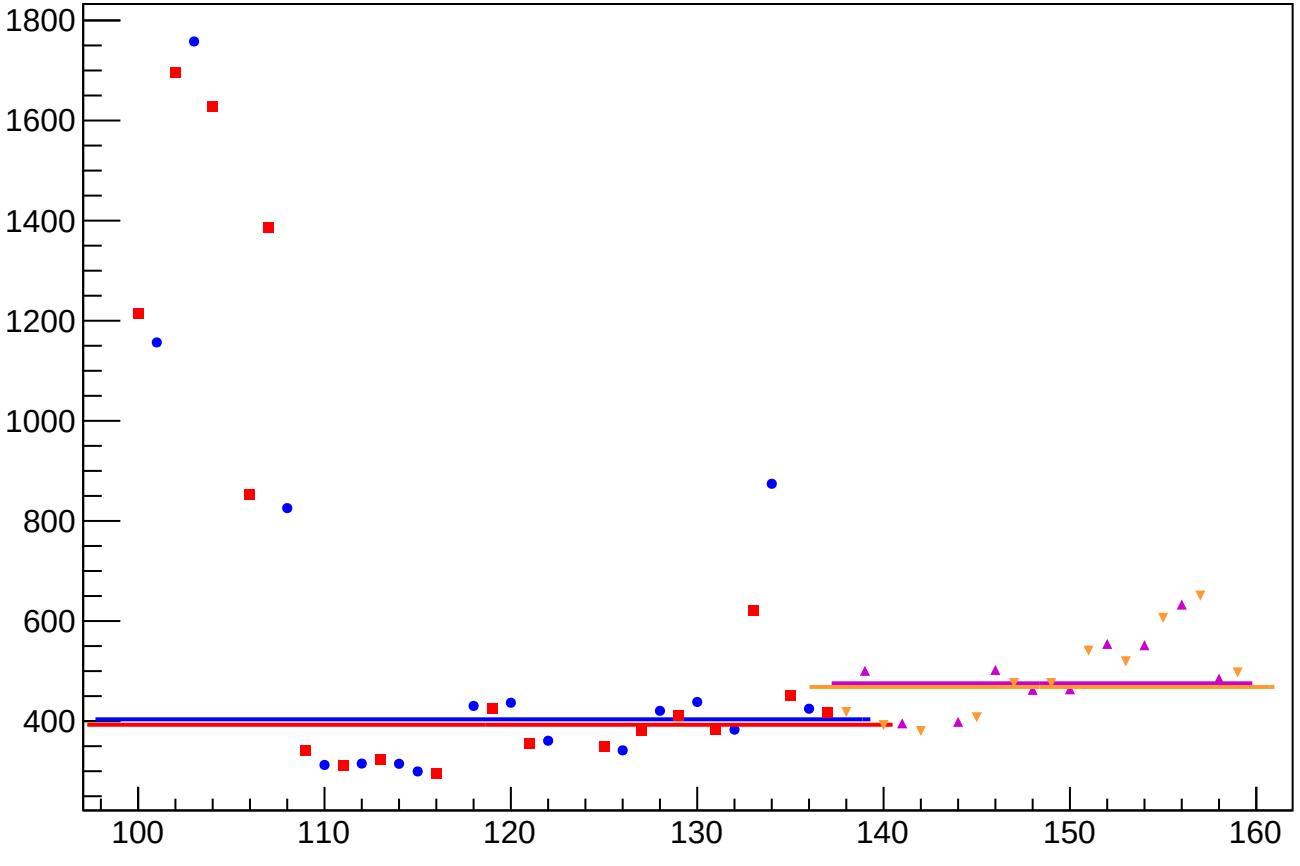
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 36.966+/-114.807 χ^2/NDF:28.1/25

Out: -91.124+/-113.201 χ^2/NDF:45.3/28

All: -27.981+/-80.607 χ^2/NDF: 74.1/54

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: 468.342+/-0.114 χ^2/NDF:434086.1/10

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 475.568+/-0.115 χ^2/NDF:319573.6/9

Left: 471.921+/-0.081 χ^2/NDF: 755645.8/20

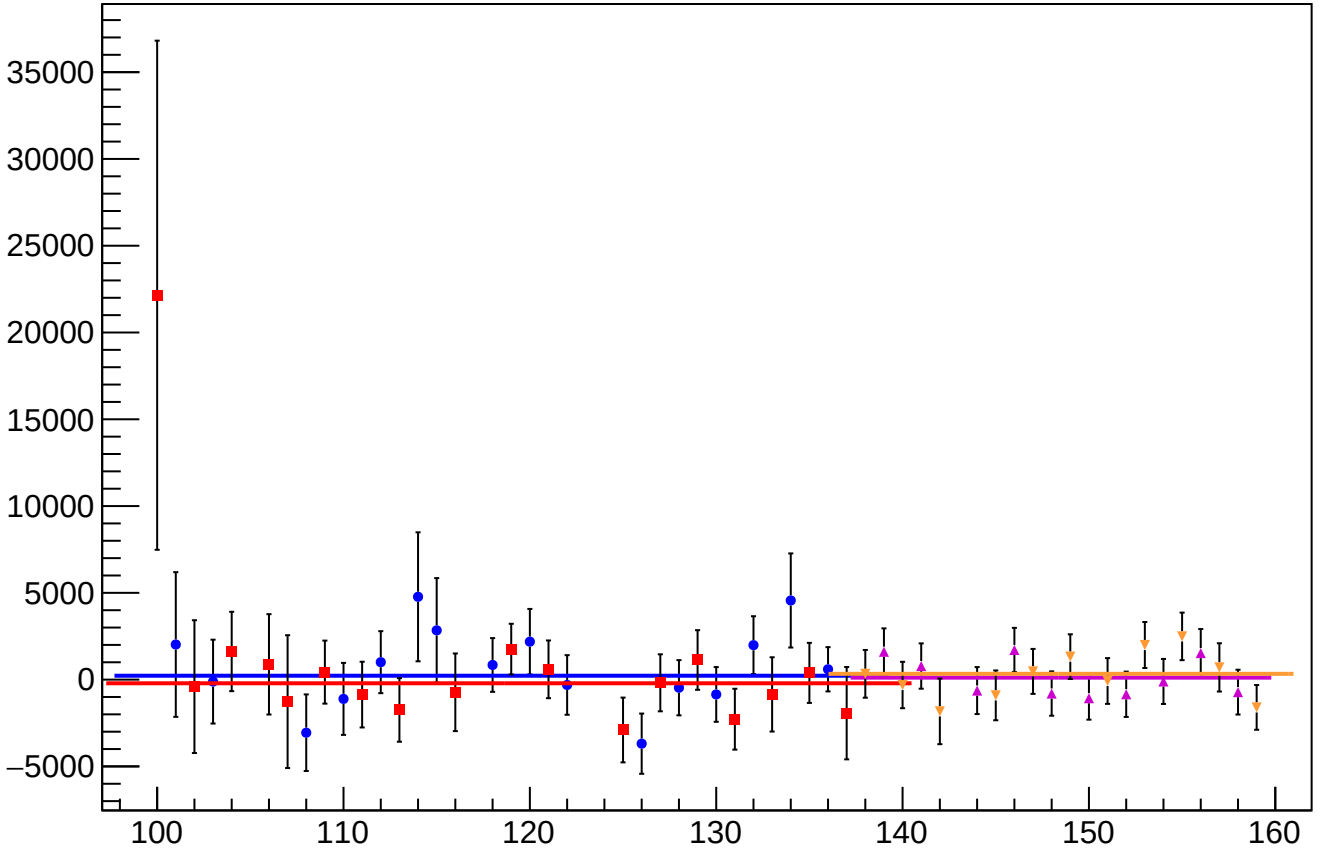
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 439.380+/-0.081 χ^2/NDF:2445348.4/25

Out: 429.976+/-0.080 χ^2/NDF:2860053.6/28

All: 434.612+/-0.057 χ^2/NDF: 5312205.8/54

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: 333.808+/-413.475 χ^2/NDF:9.4/10

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 114.244+/-412.810 χ^2/NDF:6.8/9

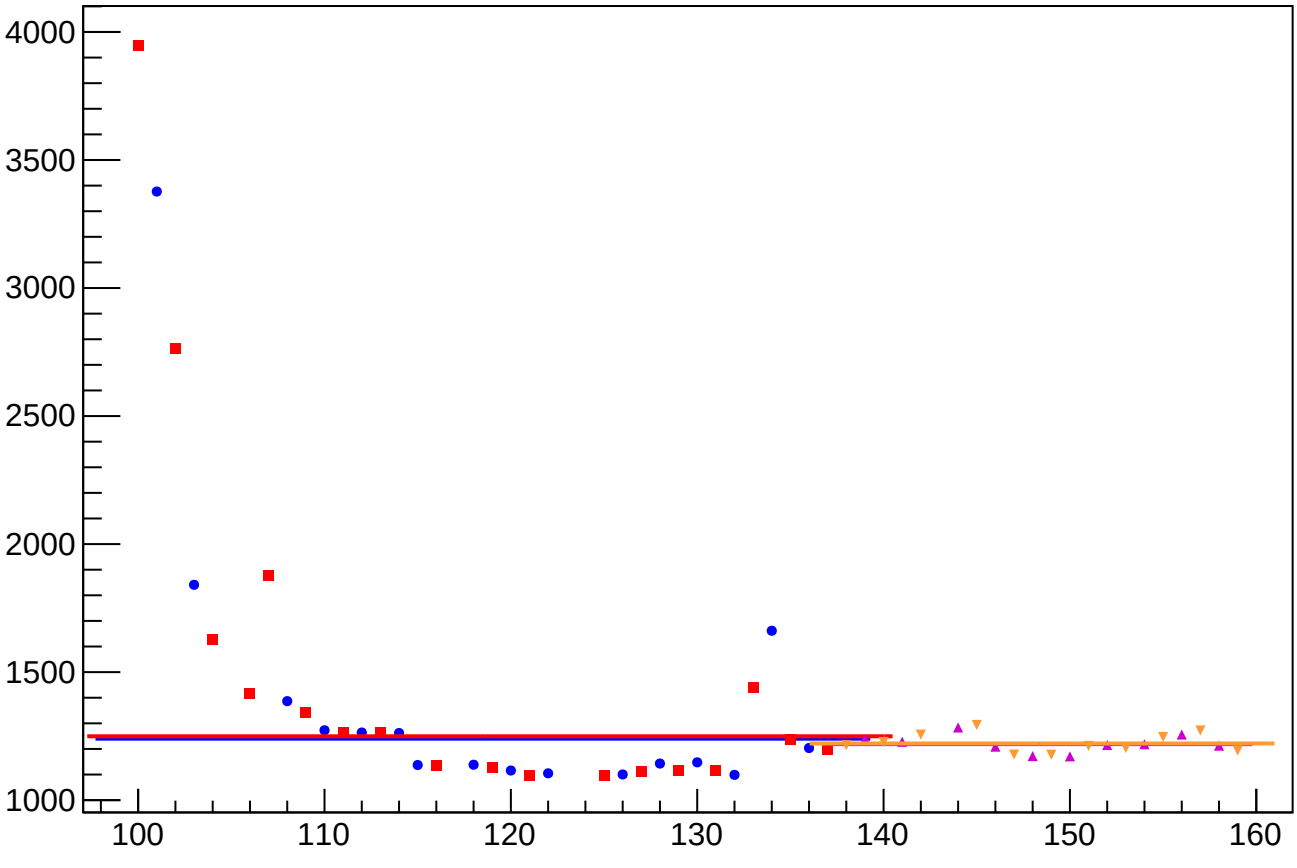
Left: 223.850+/-292.136 χ^2/NDF: 16.3/20

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 161.873+/-311.460 χ^2/NDF:23.0/25

Out: 101.066+/-312.665 χ^2/NDF:21.1/28

All: 131.587+/-220.660 χ^2/NDF: 44.0/54



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1221.303+/-0.292 χ^2/NDF:15138.6/10

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1218.799+/-0.292 χ^2/NDF:12455.9/9

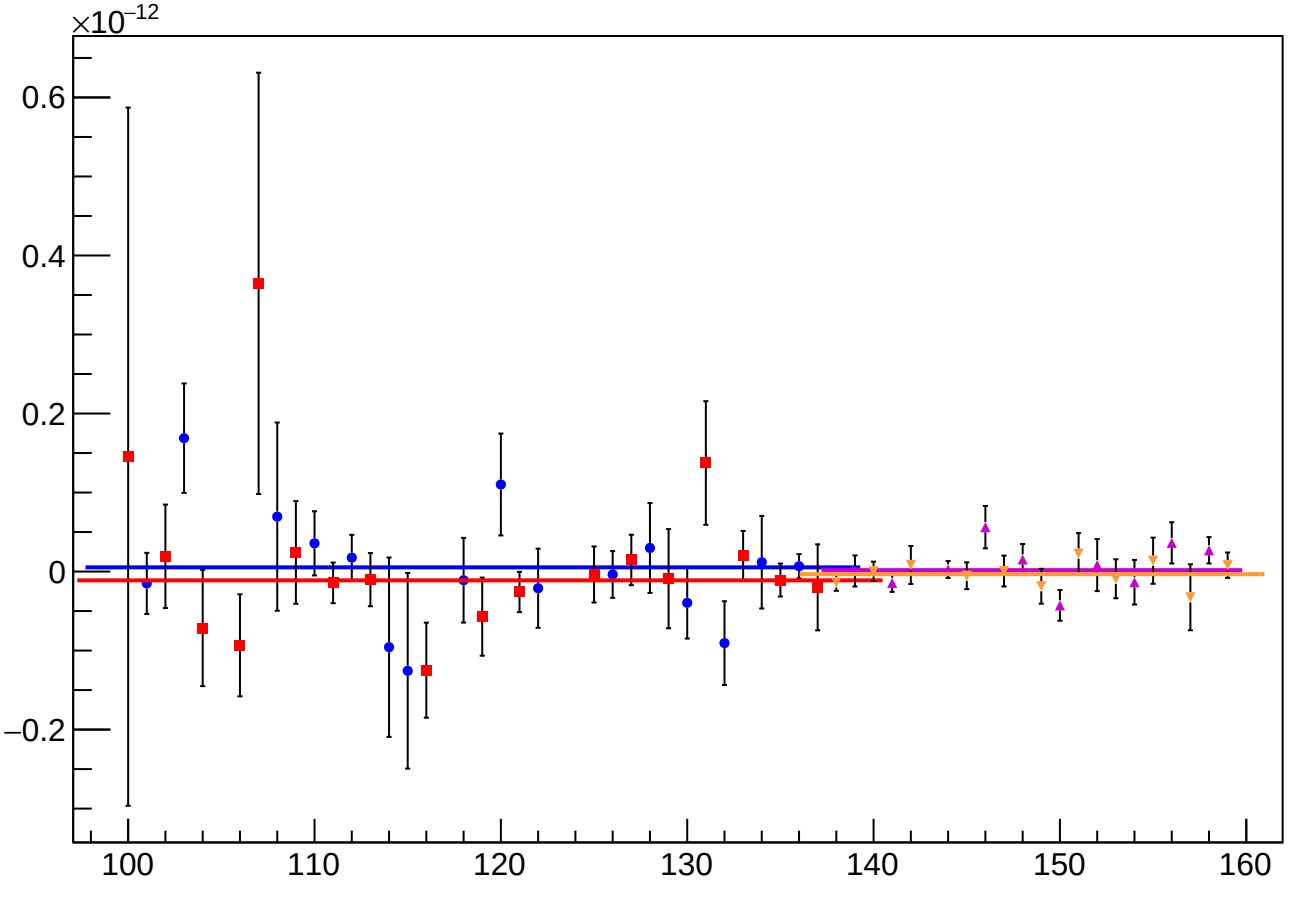
Left: 1220.049+/-0.207 χ^2/NDF: 27631.2/20

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1227.991+/-0.220 χ^2/NDF:797438.1/25

Out: 1233.338+/-0.221 χ^2/NDF:625195.1/28

All: 1230.654+/-0.156 χ^2/NDF: 1422926.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/10

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

Left In: 0.000+/-0.000 χ^2/NDF:16.3/9

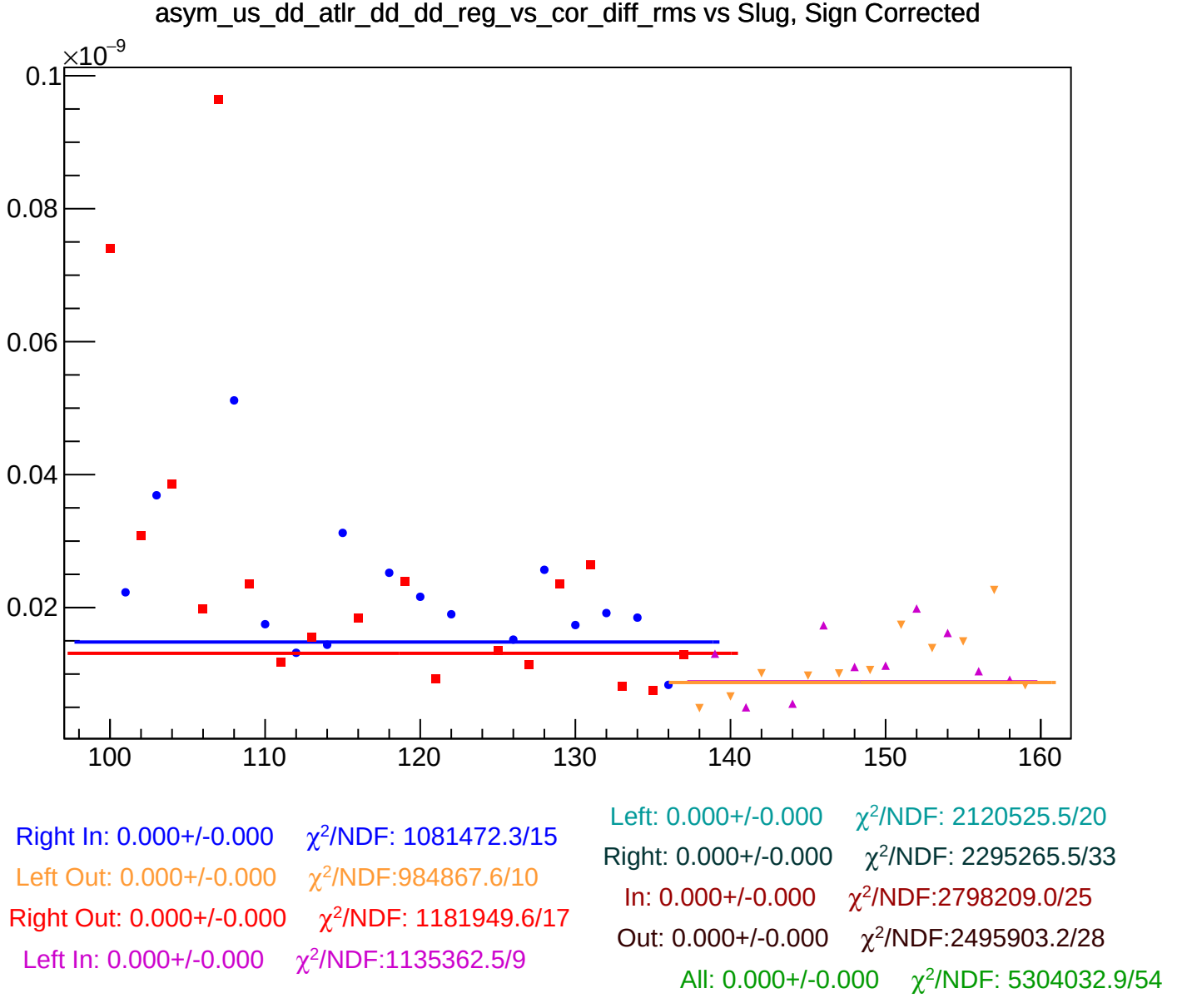
Left: -0.000+/-0.000 χ^2/NDF: 20.9/20

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

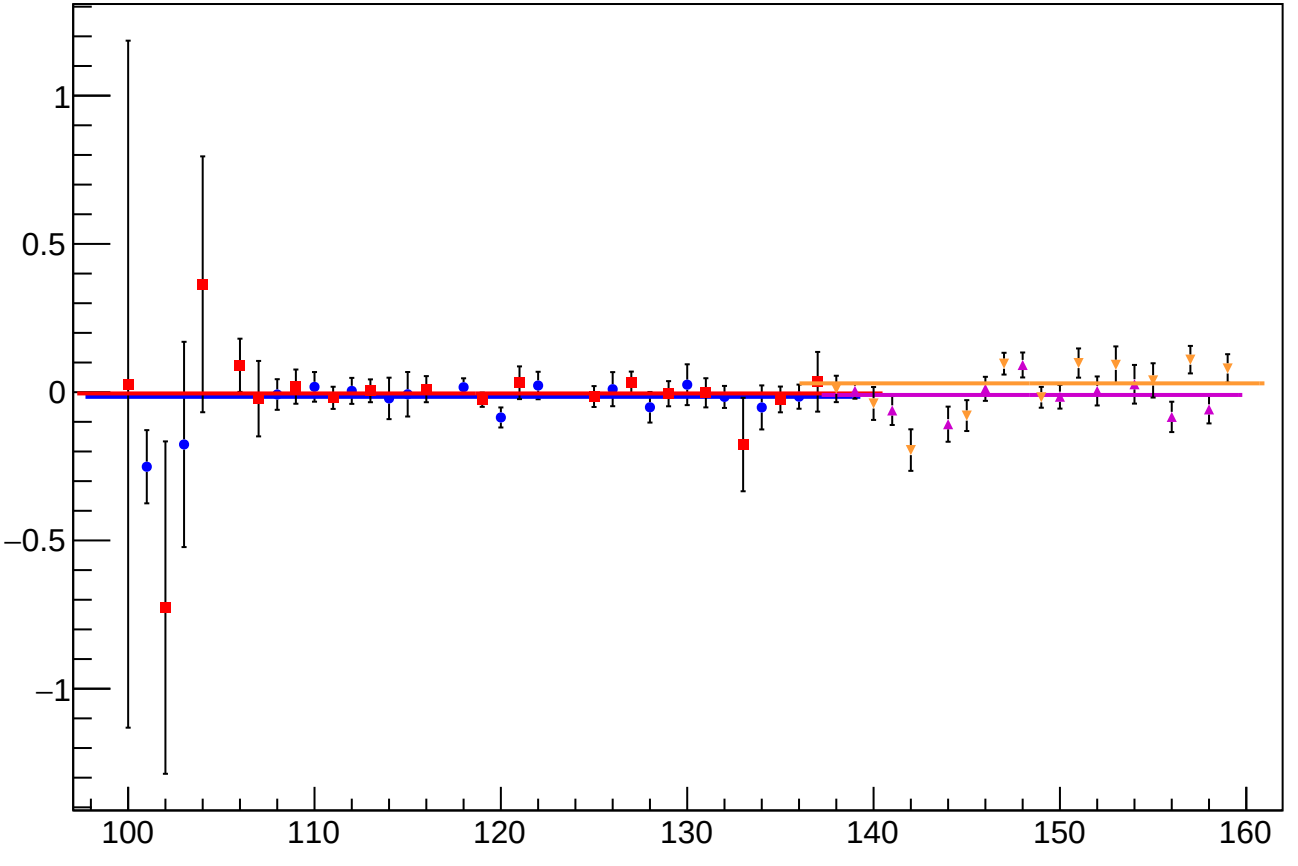
In: 0.000+/-0.000 χ^2/NDF:32.7/25

Out: -0.000+/-0.000 χ^2/NDF:19.8/28

All: -0.000+/-0.000 χ^2/NDF: 53.9/54


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:984867.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:1135362.5/9
Left: 0.000+/-0.000 χ²/NDF: 2120525.5/20
Right: 0.000+/-0.000 χ²/NDF: 2295265.5/33
In: 0.000+/-0.000 χ²/NDF:2798209.0/25
Out: 0.000+/-0.000 χ²/NDF:2495903.2/28
All: 0.000+/-0.000 χ²/NDF: 5304032.9/54

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.009+/-0.010 χ^2/NDF: 46.1/20

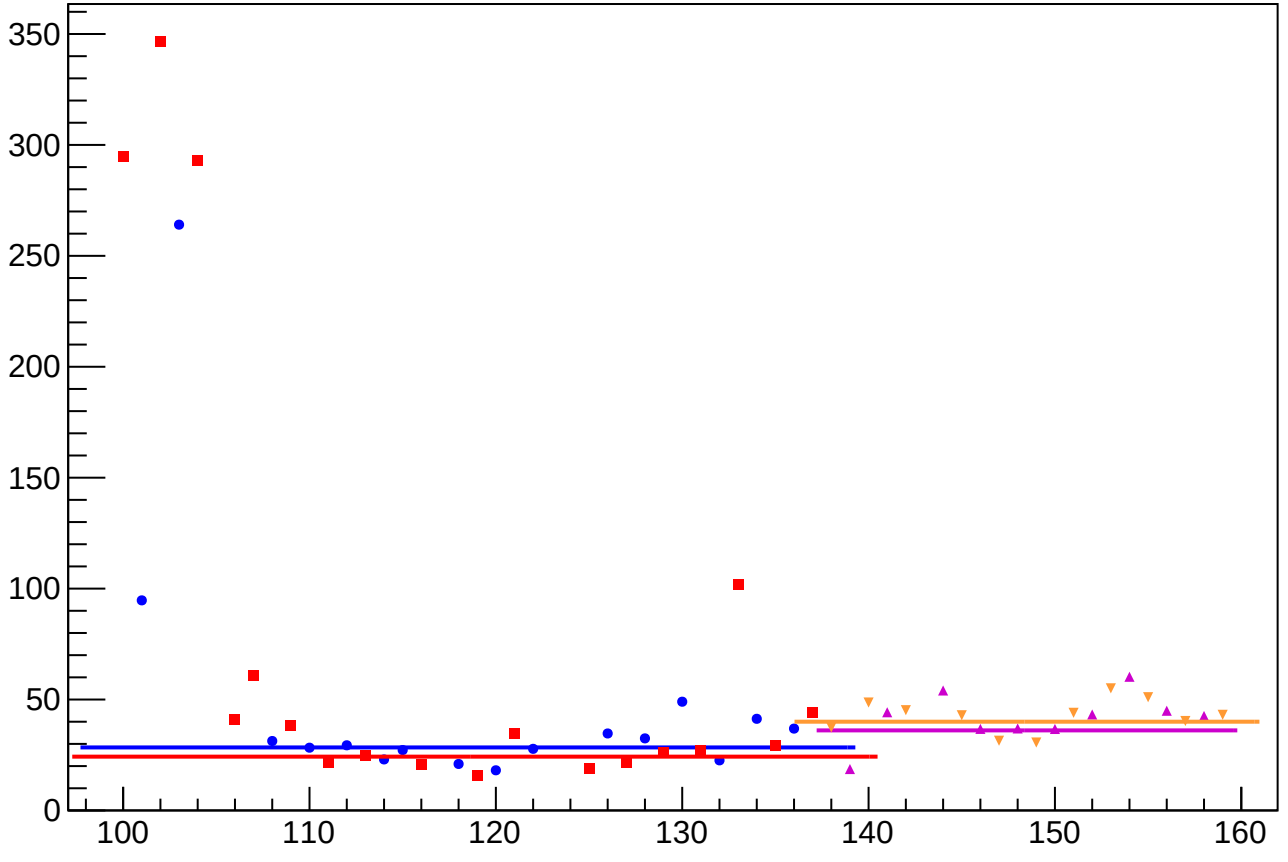
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/54

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: 40.007+/-0.010 χ^2/NDF:535937.0/10

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

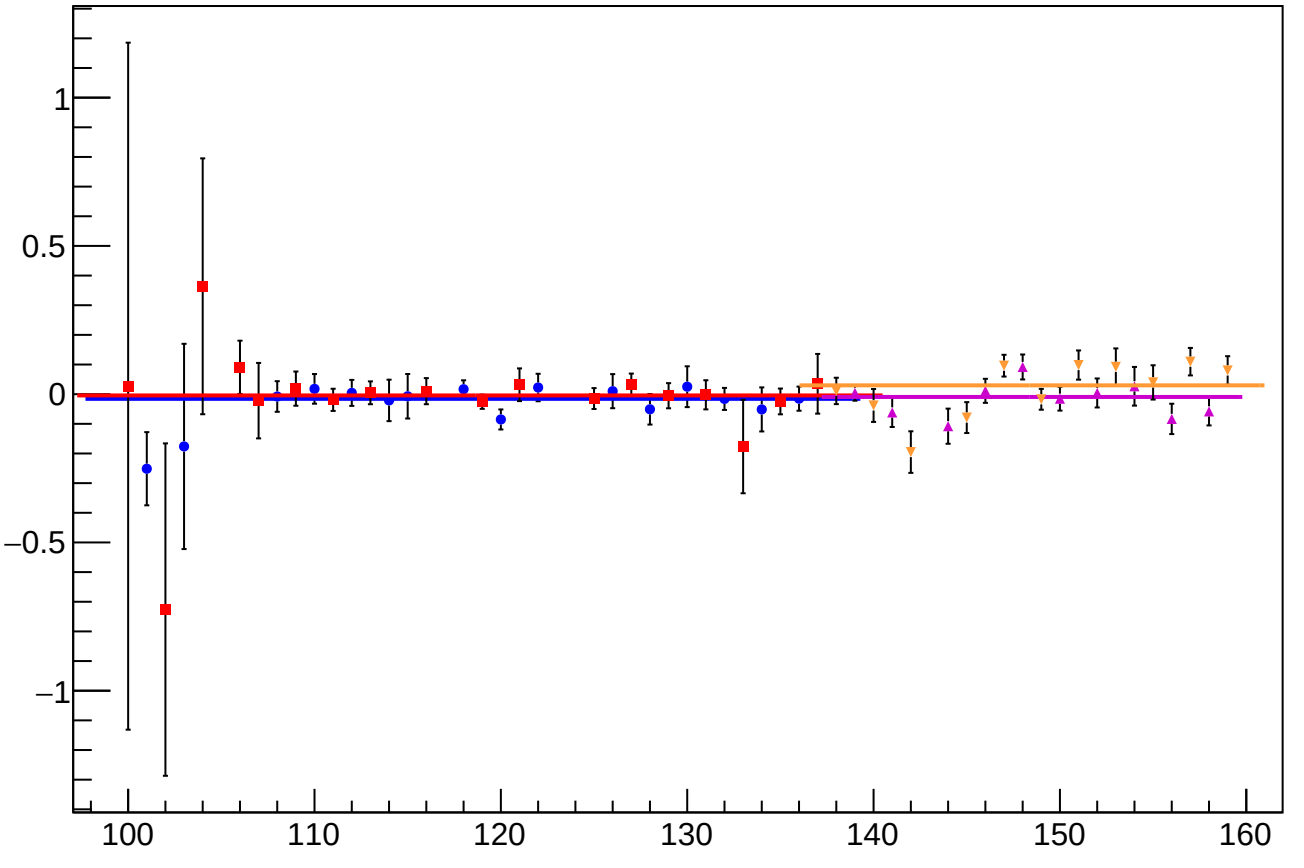
Left: 37.938+/-0.007 χ^2/NDF: 2135839.1/20

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.867+/-0.006 χ^2/NDF:4117876.2/25

Out: 30.348+/-0.006 χ^2/NDF:4916573.0/28

All: 31.093+/-0.005 χ^2/NDF: 9062659.5/54



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.009+/-0.010 χ^2/NDF: 46.1/20

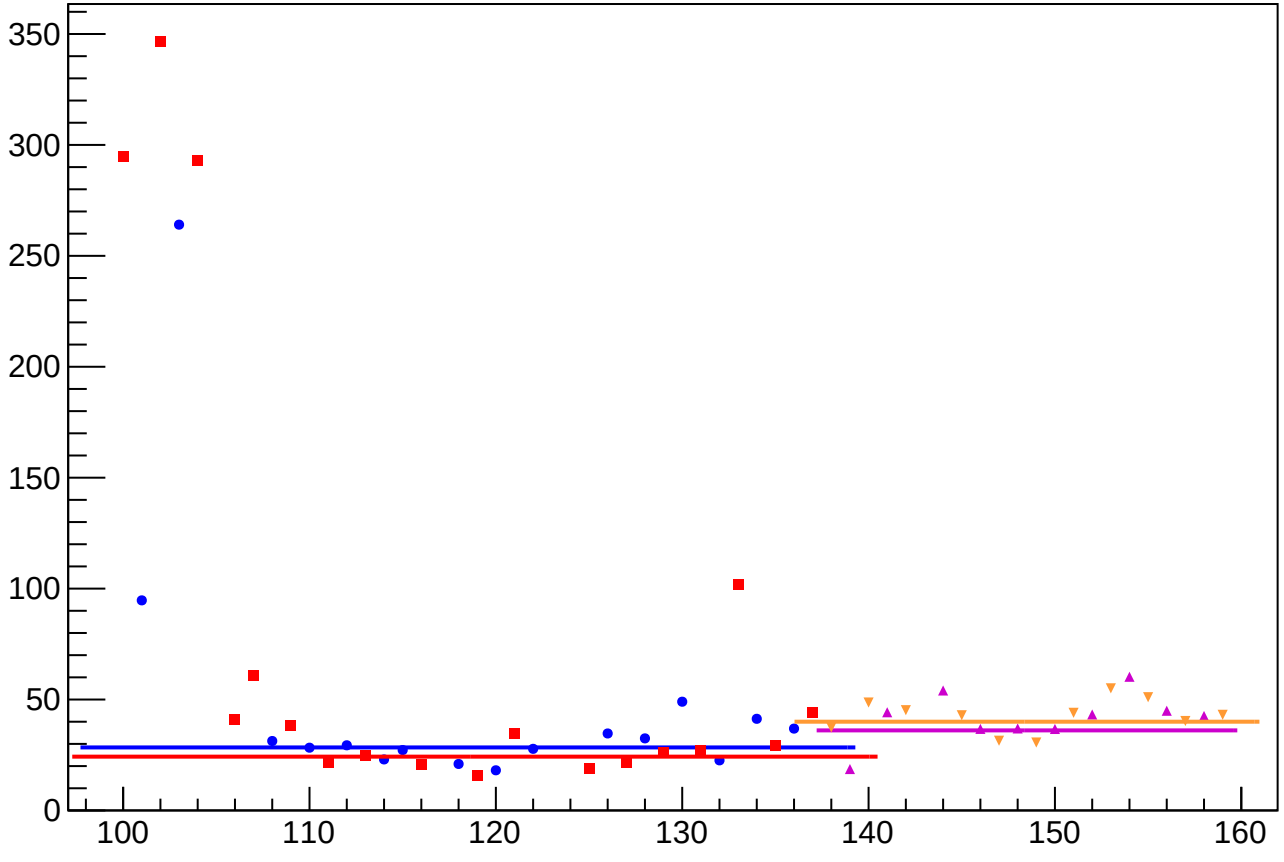
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/54

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: 40.007+/-0.010 χ^2/NDF:535937.0/10

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

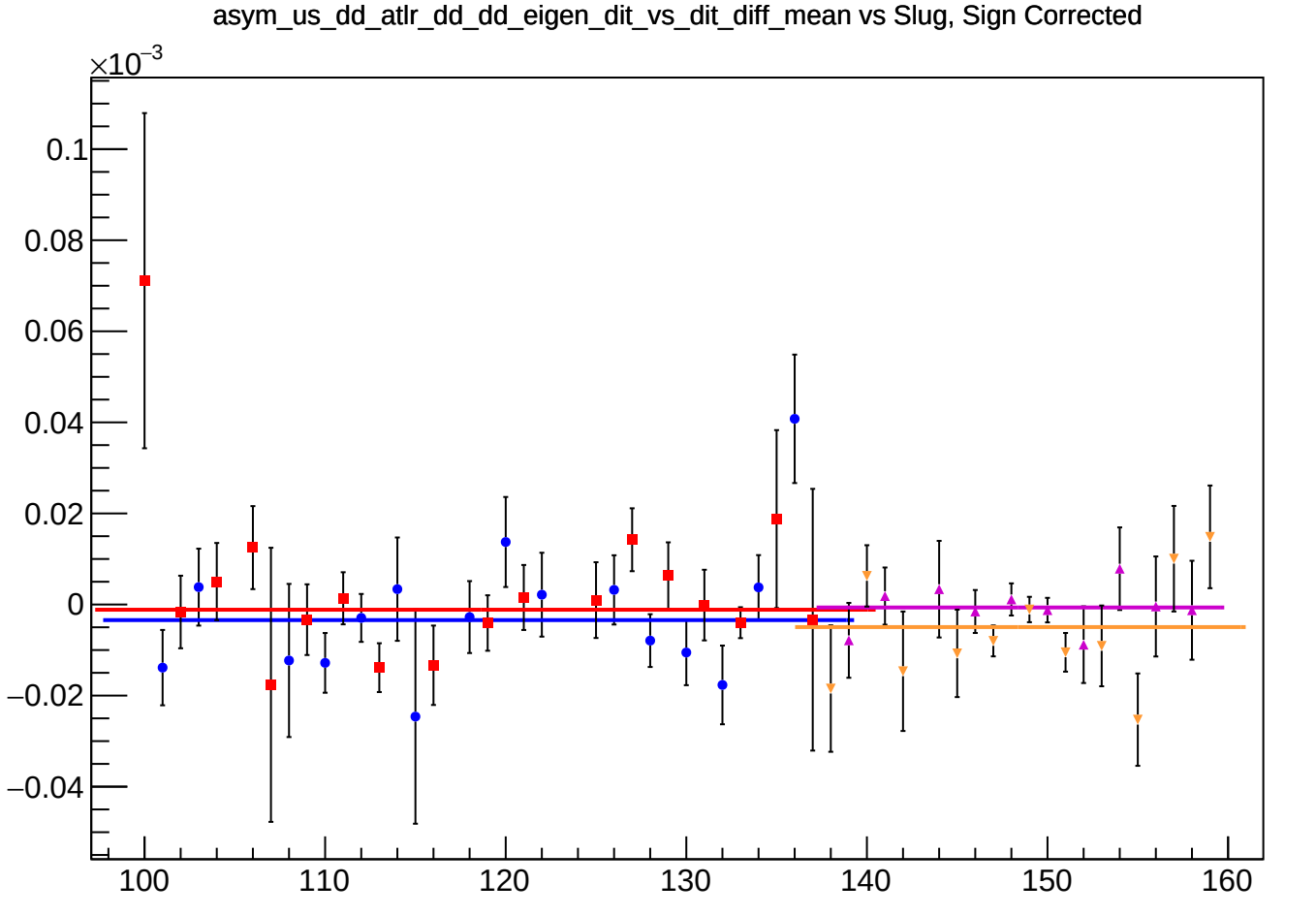
Left: 37.938+/-0.007 χ^2/NDF: 2135839.1/20

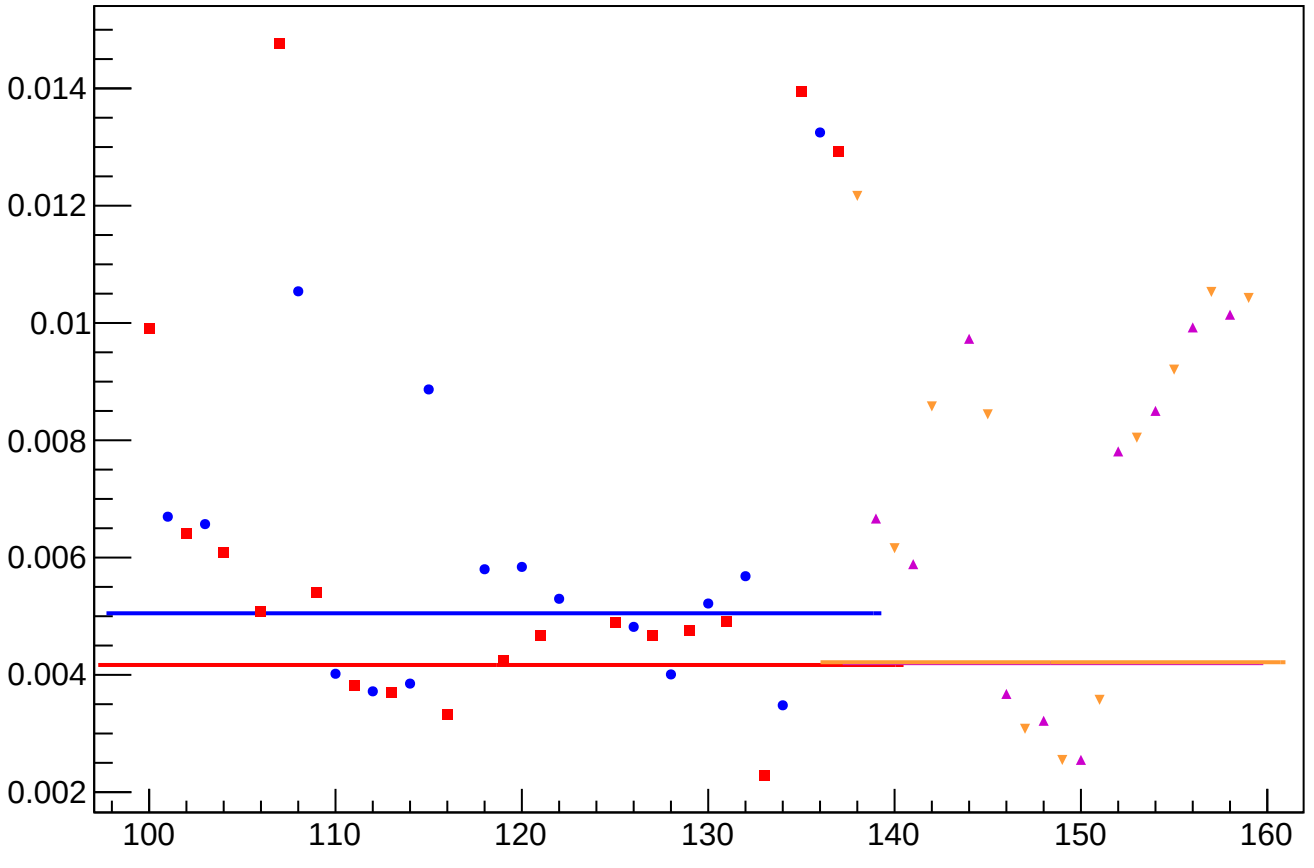
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.867+/-0.006 χ^2/NDF:4117876.2/25

Out: 30.348+/-0.006 χ^2/NDF:4916573.0/28

All: 31.093+/-0.005 χ^2/NDF: 9062659.5/54


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:18.1/10
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:3.2/9
Left: -0.000+/-0.000 χ²/NDF: 24.6/20
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:29.5/25
Out: -0.000+/-0.000 χ²/NDF:43.6/28
All: -0.000+/-0.000 χ²/NDF: 73.6/54



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4472493.6/10

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:3756573.8/9

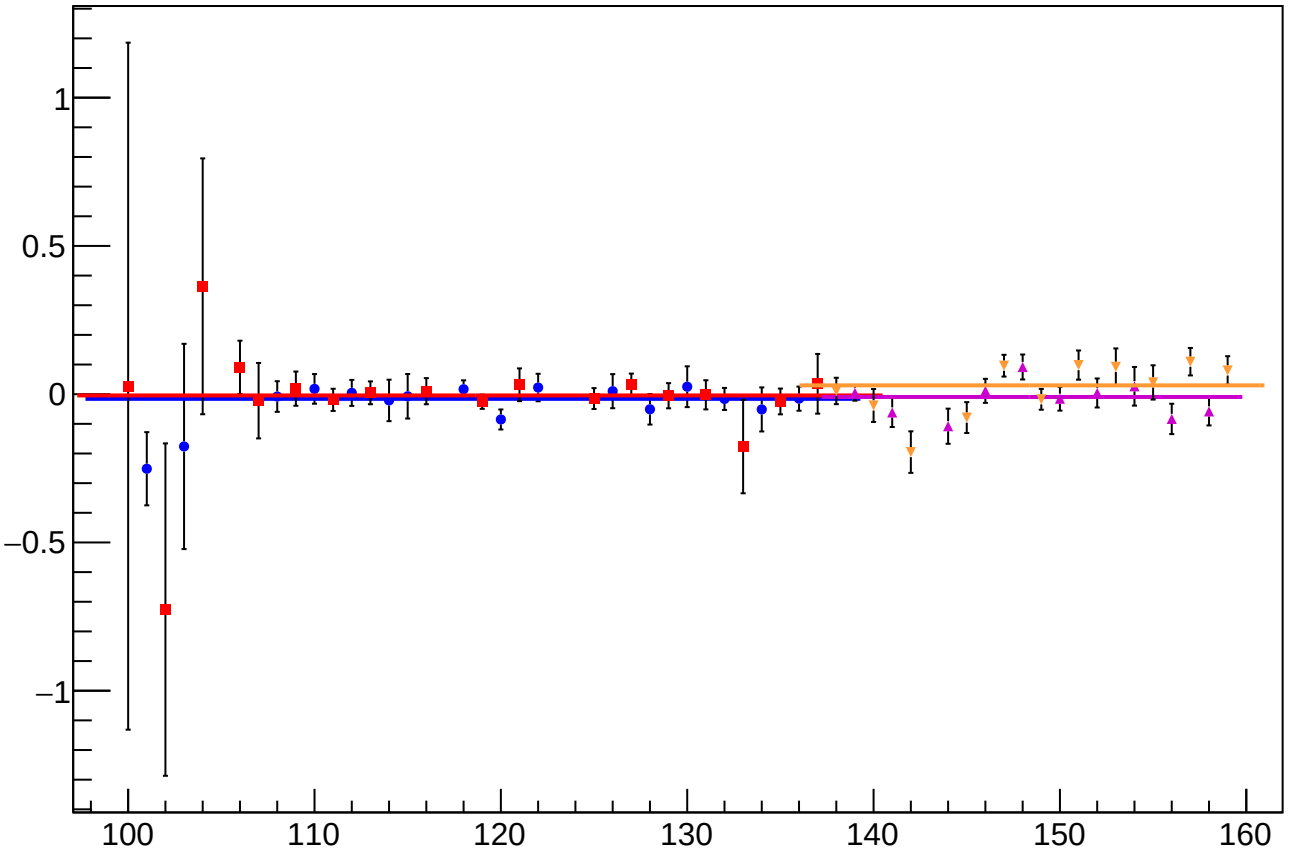
Left: 0.004+/-0.000 χ^2/NDF: 8229153.2/20

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5459906.0/25

Out: 0.004+/-0.000 χ^2/NDF:6515232.0/28

All: 0.004+/-0.000 χ^2/NDF: 12055931.9/54



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.009+/-0.010 χ^2/NDF: 46.1/20

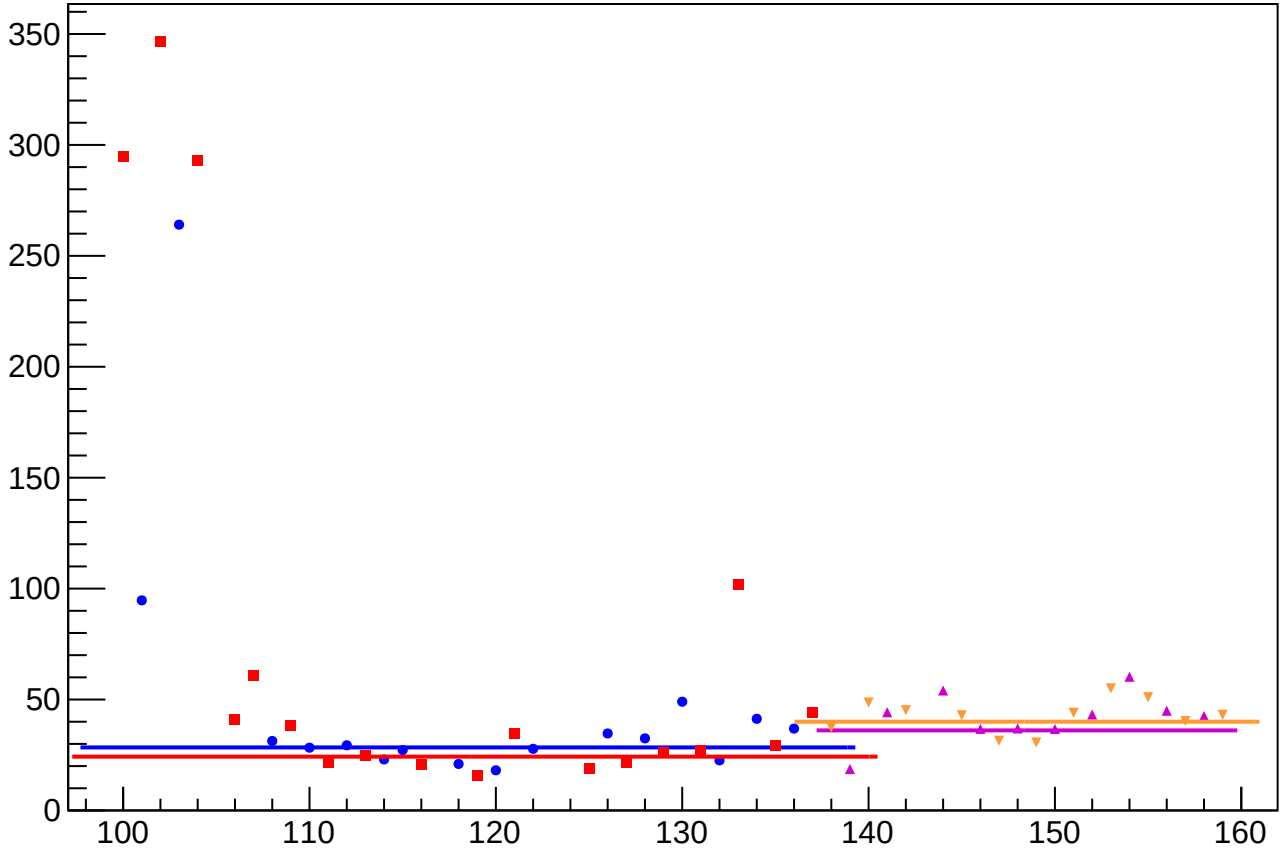
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/54

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.006+/-0.010 χ^2/NDF:536207.9/10

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

Left: 37.936+/-0.007 χ^2/NDF: 2136798.0/20

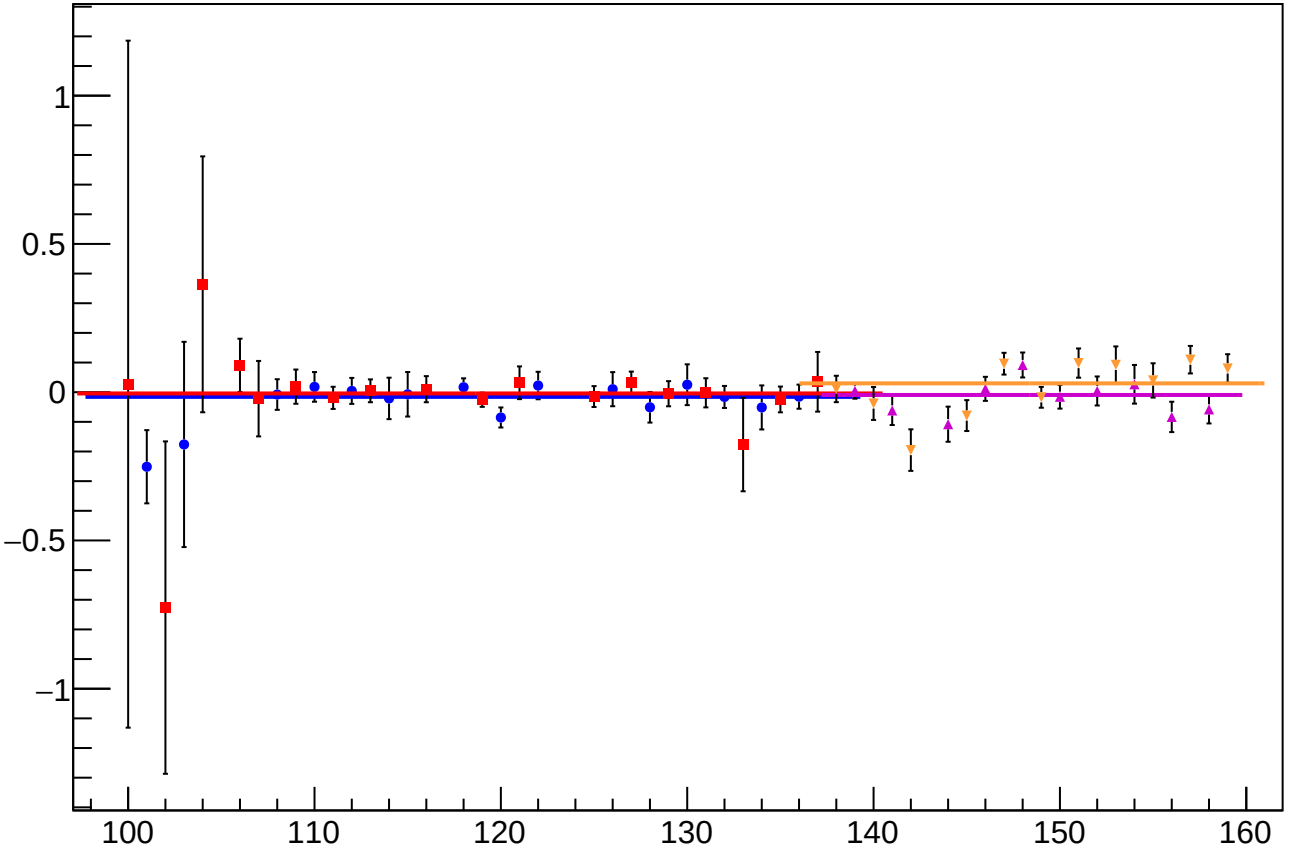
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.866+/-0.006 χ^2/NDF:4118399.8/25

Out: 30.347+/-0.006 χ^2/NDF:4917348.6/28

All: 31.092+/-0.005 χ^2/NDF: 9063990.0/54

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: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.009+/-0.010 χ^2/NDF: 46.1/20

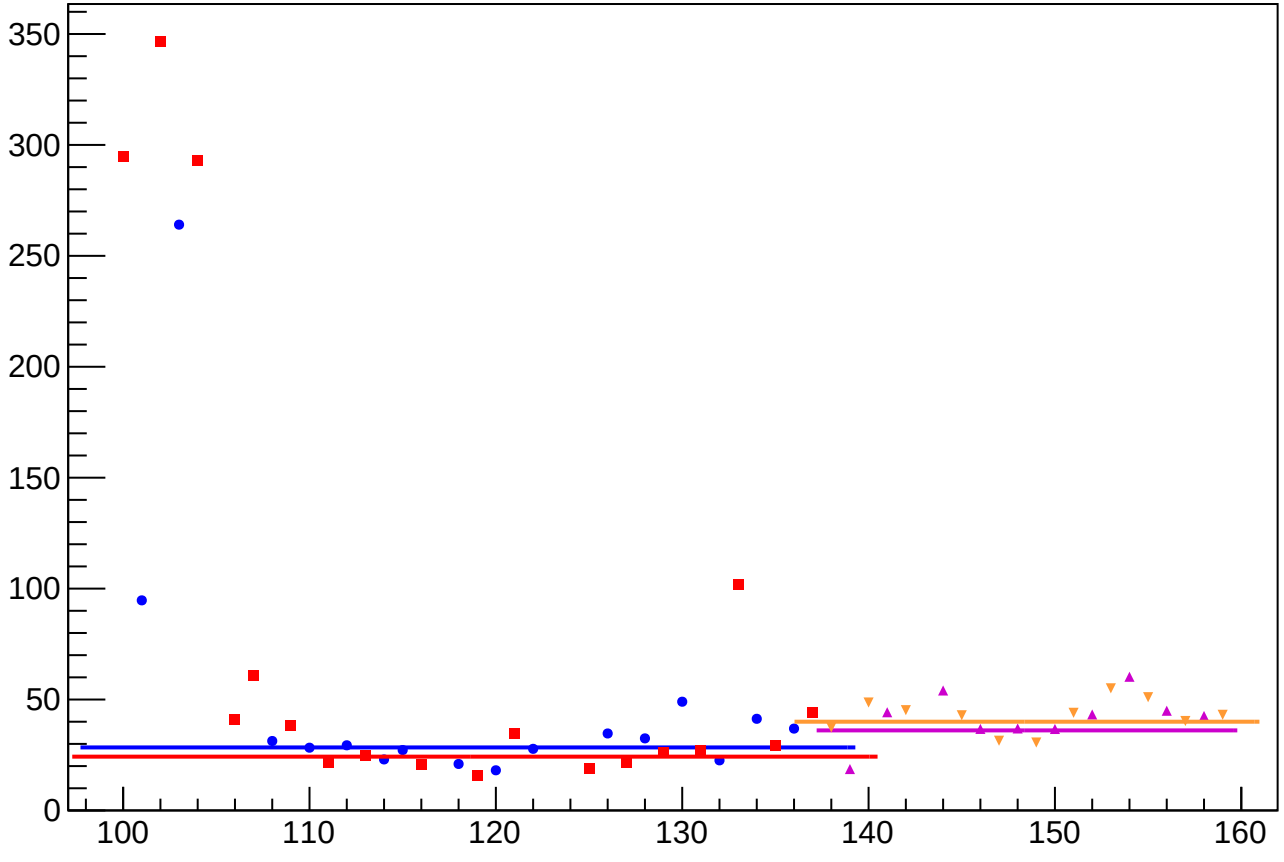
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/54

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: 40.006+/-0.010 χ^2/NDF:536207.9/10

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

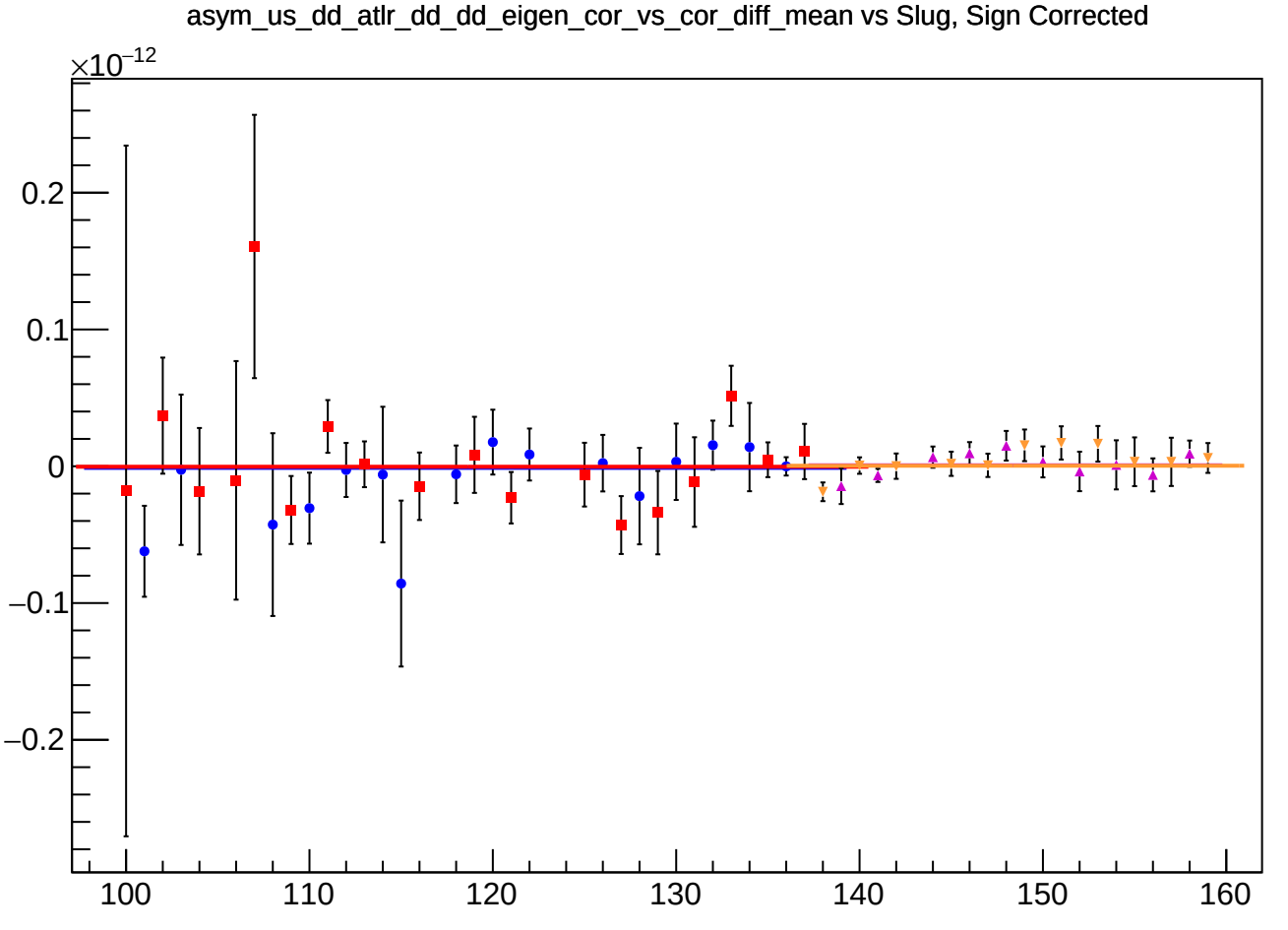
Left: 37.936+/-0.007 χ^2/NDF: 2136798.0/20

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.866+/-0.006 χ^2/NDF:4118399.8/25

Out: 30.347+/-0.006 χ^2/NDF:4917348.6/28

All: 31.092+/-0.005 χ^2/NDF: 9063990.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:8.4/9

Left: 0.000+/-0.000 χ^2/NDF: 21.5/20

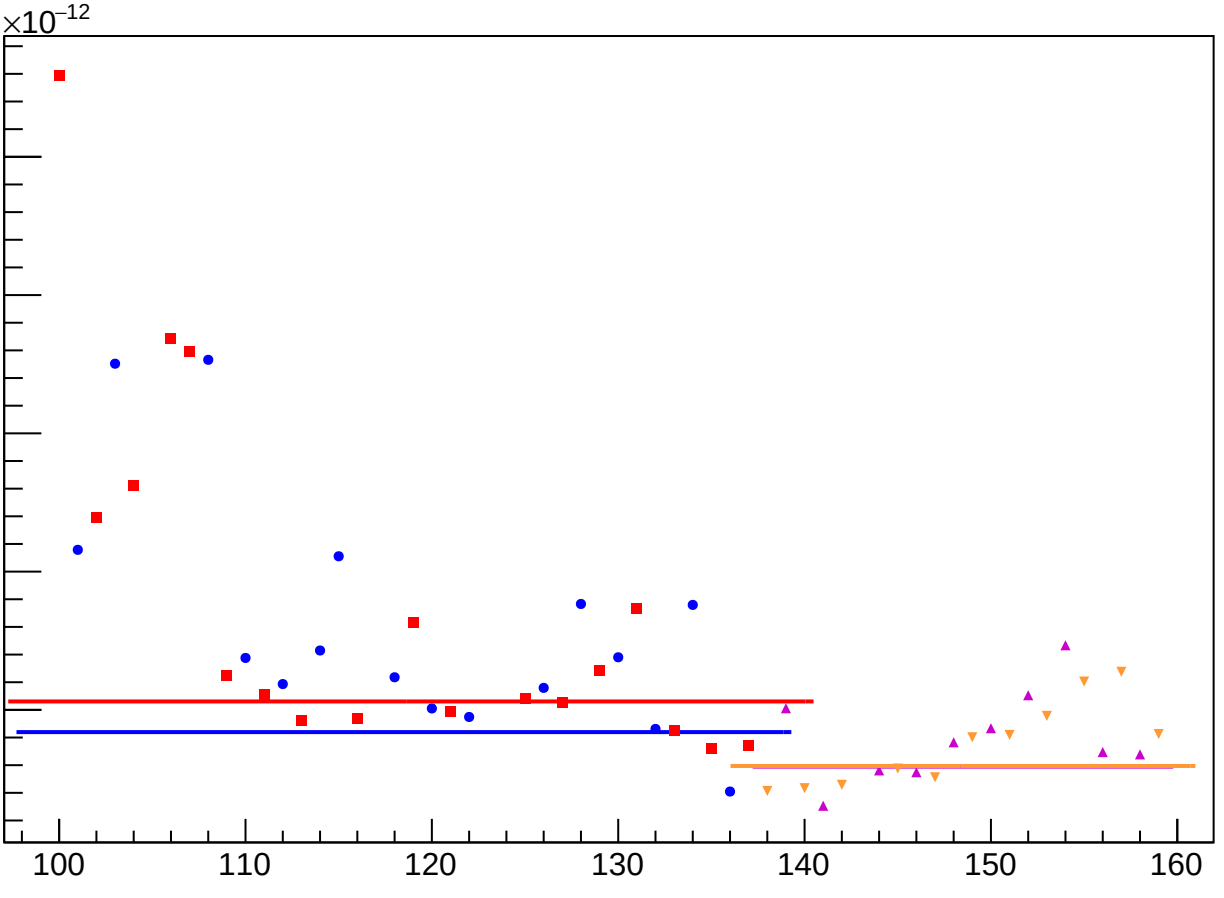
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: 0.000+/-0.000 χ^2/NDF:17.9/25

Out: 0.000+/-0.000 χ^2/NDF:34.3/28

All: 0.000+/-0.000 χ^2/NDF: 52.2/54

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1254274.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1830998.0/9

Left: 0.000+/-0.000 χ^2/NDF: 3085550.6/20

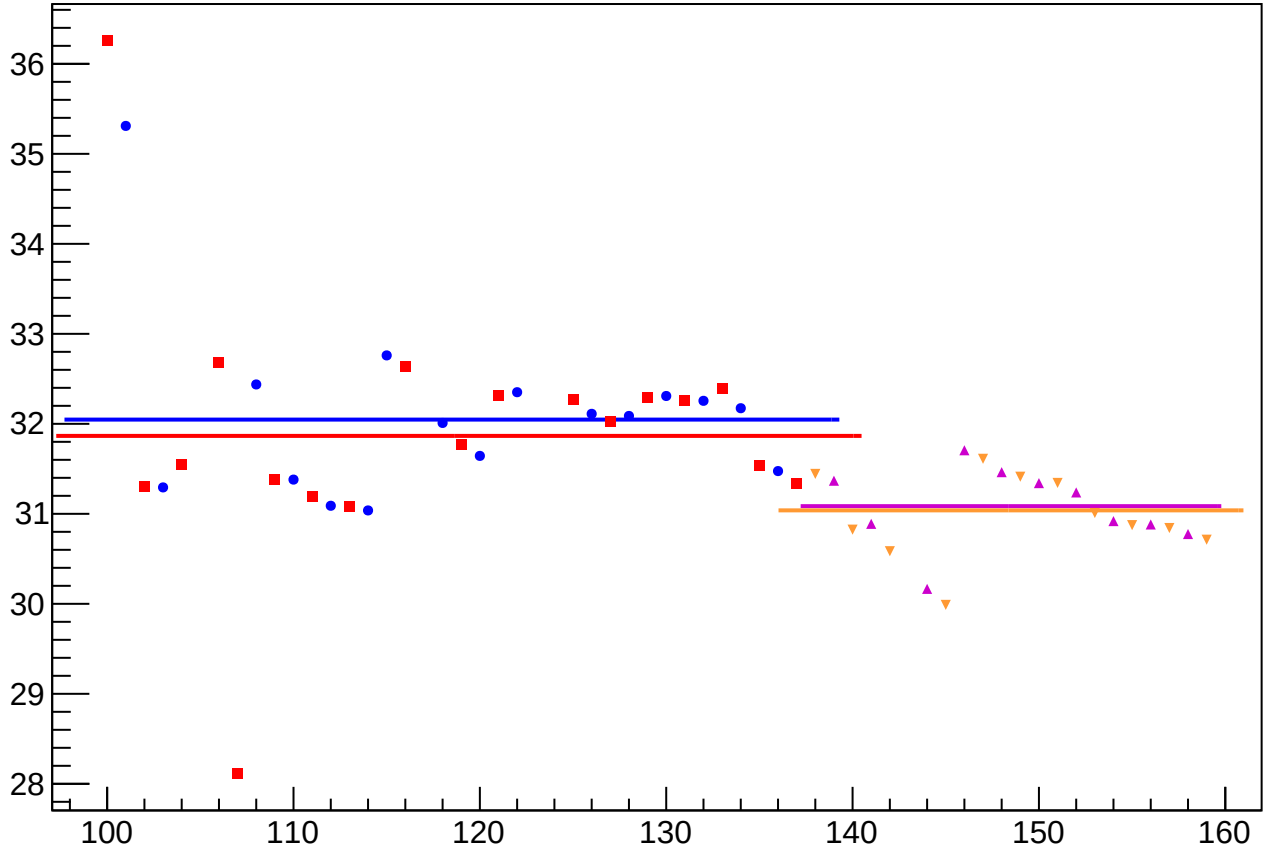
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:4942610.7/25

Out: 0.000+/-0.000 χ^2/NDF:3584203.5/28

All: 0.000+/-0.000 χ^2/NDF: 8546274.0/54

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.038+/-0.000 χ^2/NDF:214005879.3/10

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.085+/-0.000 χ^2/NDF:202771315.2/9

Left: 31.062+/-0.000 χ^2/NDF: 418094682.0/20

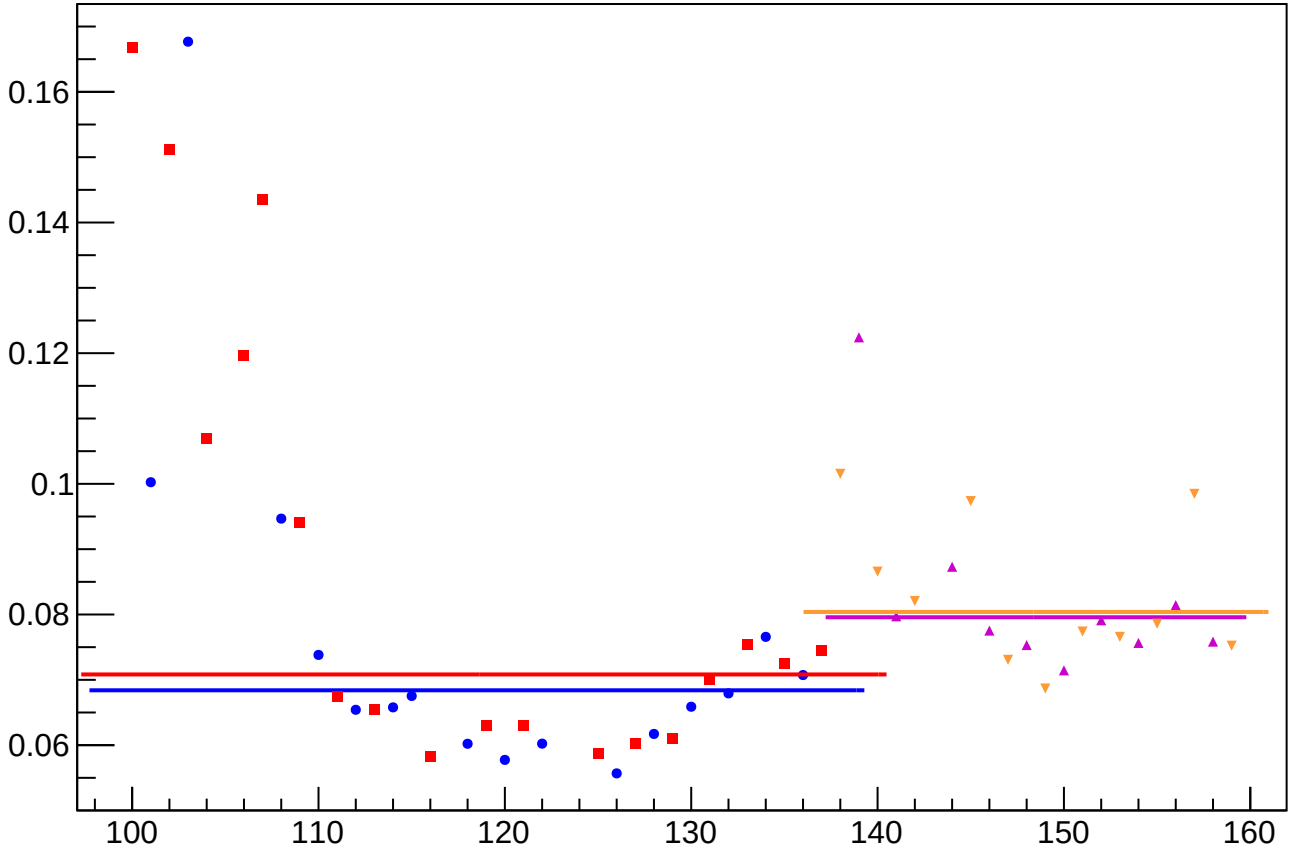
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.588+/-0.000 χ^2/NDF:1691393850.6/25

Out: 31.460+/-0.000 χ^2/NDF:1116359322.3/28

All: 31.526+/-0.000 χ^2/NDF: 2828167411.4/5

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:235527.9/10

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.080+/-0.000 χ^2/NDF:241782.7/9

Left: 0.080+/-0.000 χ^2/NDF: 478104.7/20

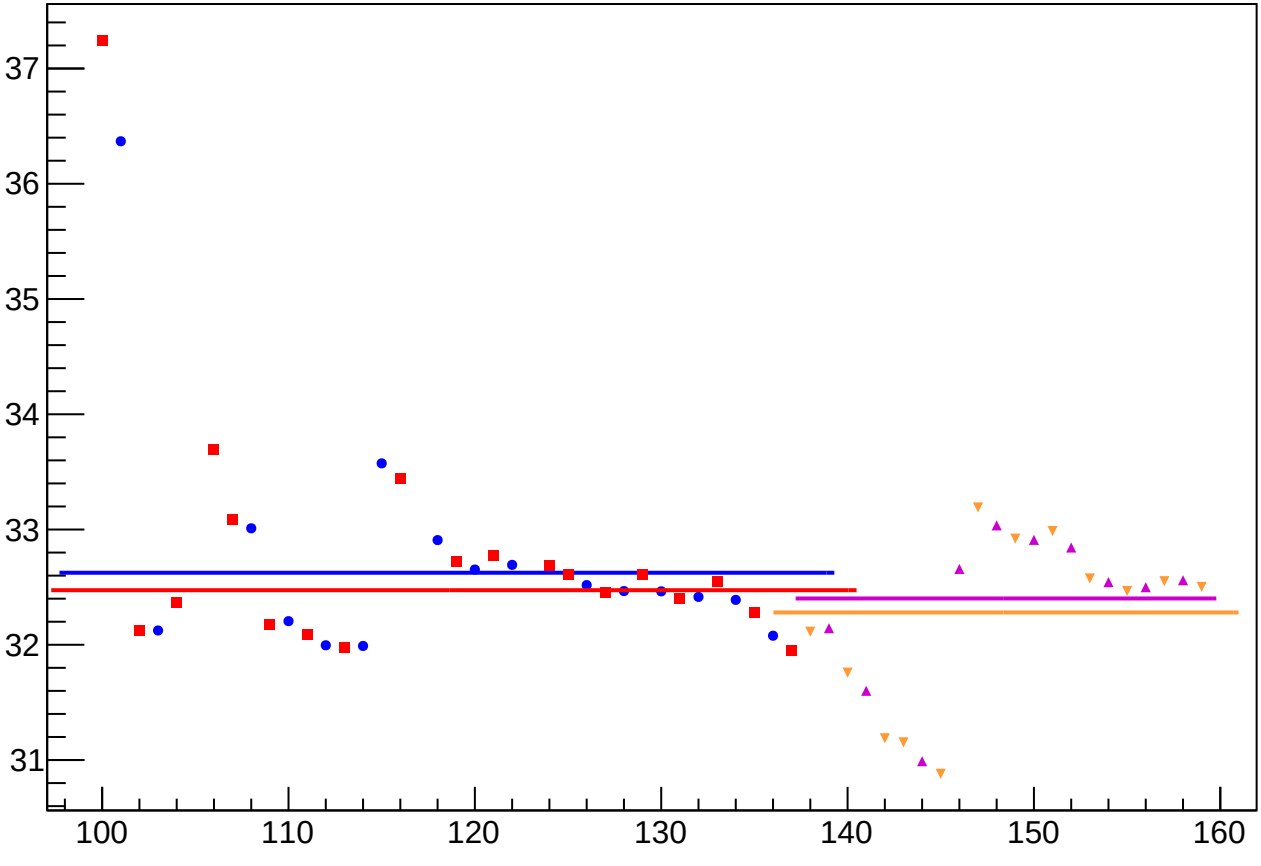
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1104456.5/25

Out: 0.076+/-0.000 χ^2/NDF:1215077.1/28

All: 0.075+/-0.000 χ^2/NDF: 2327456.4/54

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.281+/-0.000 χ^2/NDF:754705400.7/11

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.402+/-0.000 χ^2/NDF:518399289.3/9

Left: 32.340+/-0.000 χ^2/NDF: 1282880014.5/21

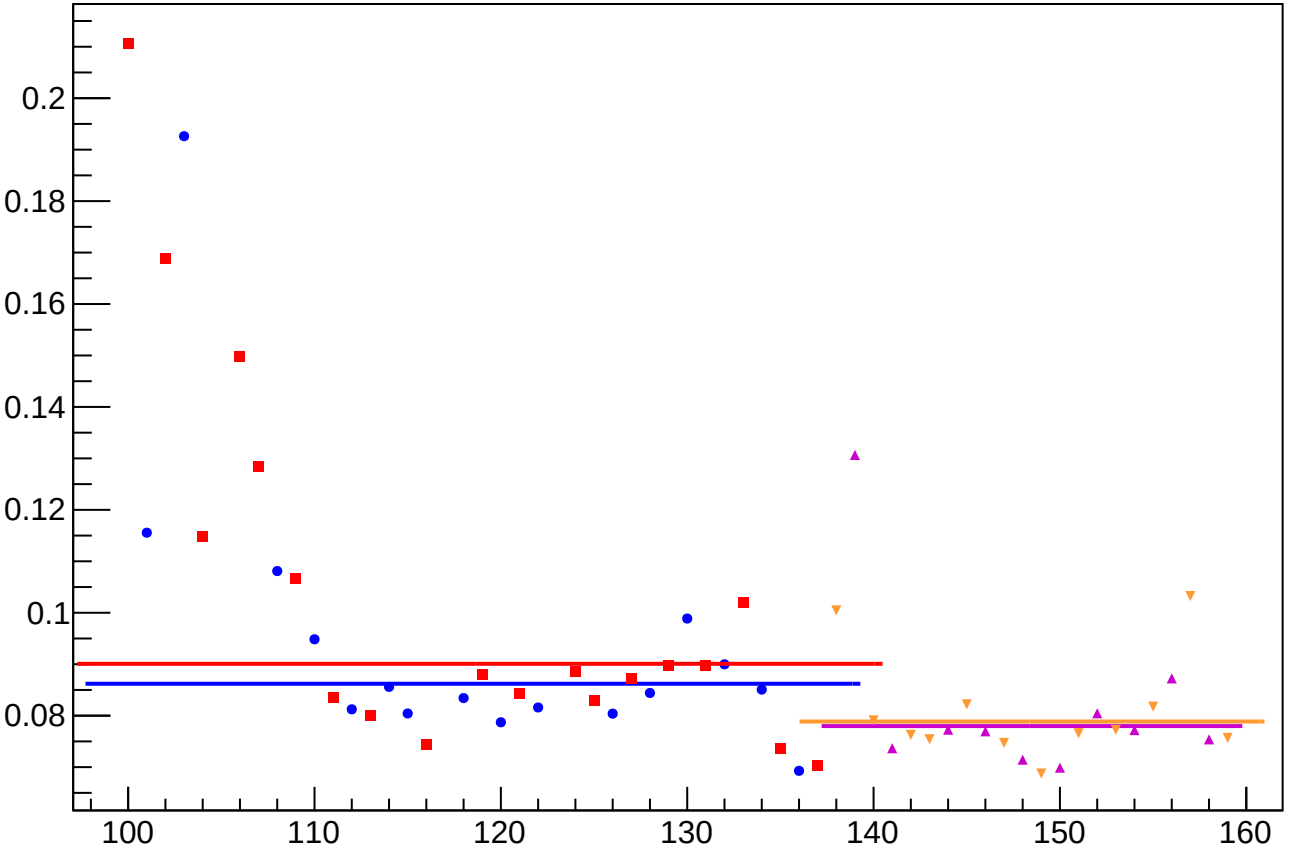
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.490+/-0.000 χ^2/NDF:1282991292.6/25

Out: 32.352+/-0.000 χ^2/NDF:930208651.7/30

All: 32.420+/-0.000 χ^2/NDF: 2233804294.7/5

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:194605.0/11

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.078+/-0.000 χ^2/NDF:326744.0/9

Left: 0.078+/-0.000 χ^2/NDF: 522394.0/21

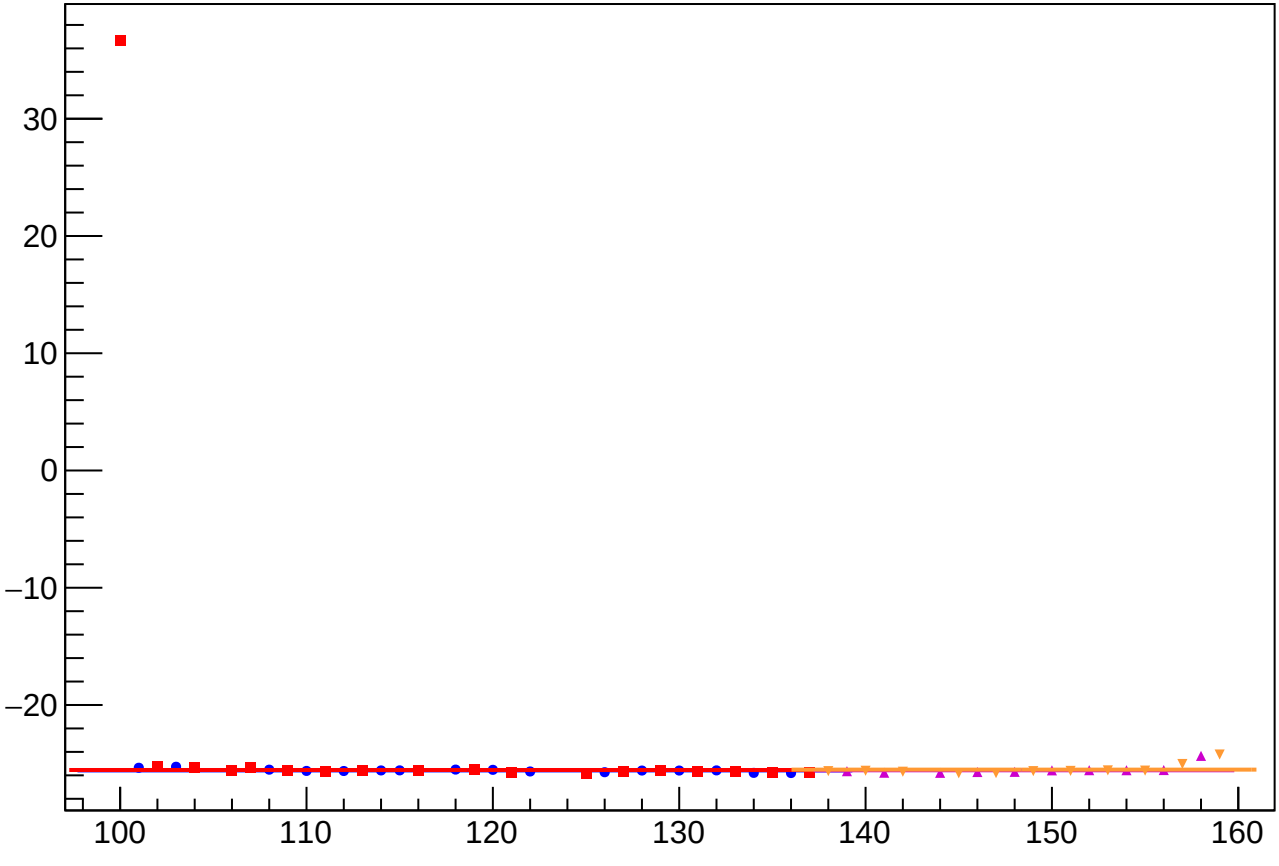
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:994611.1/25

Out: 0.083+/-0.000 χ^2/NDF:942793.7/30

All: 0.082+/-0.000 χ^2/NDF: 1944078.0/56

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.513+/-0.000 χ^2/NDF:703717012.2/10

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.569+/-0.000 χ^2/NDF:487355343.0/9

Left: -25.541+/-0.000 χ^2/NDF: 1198142859.0/20

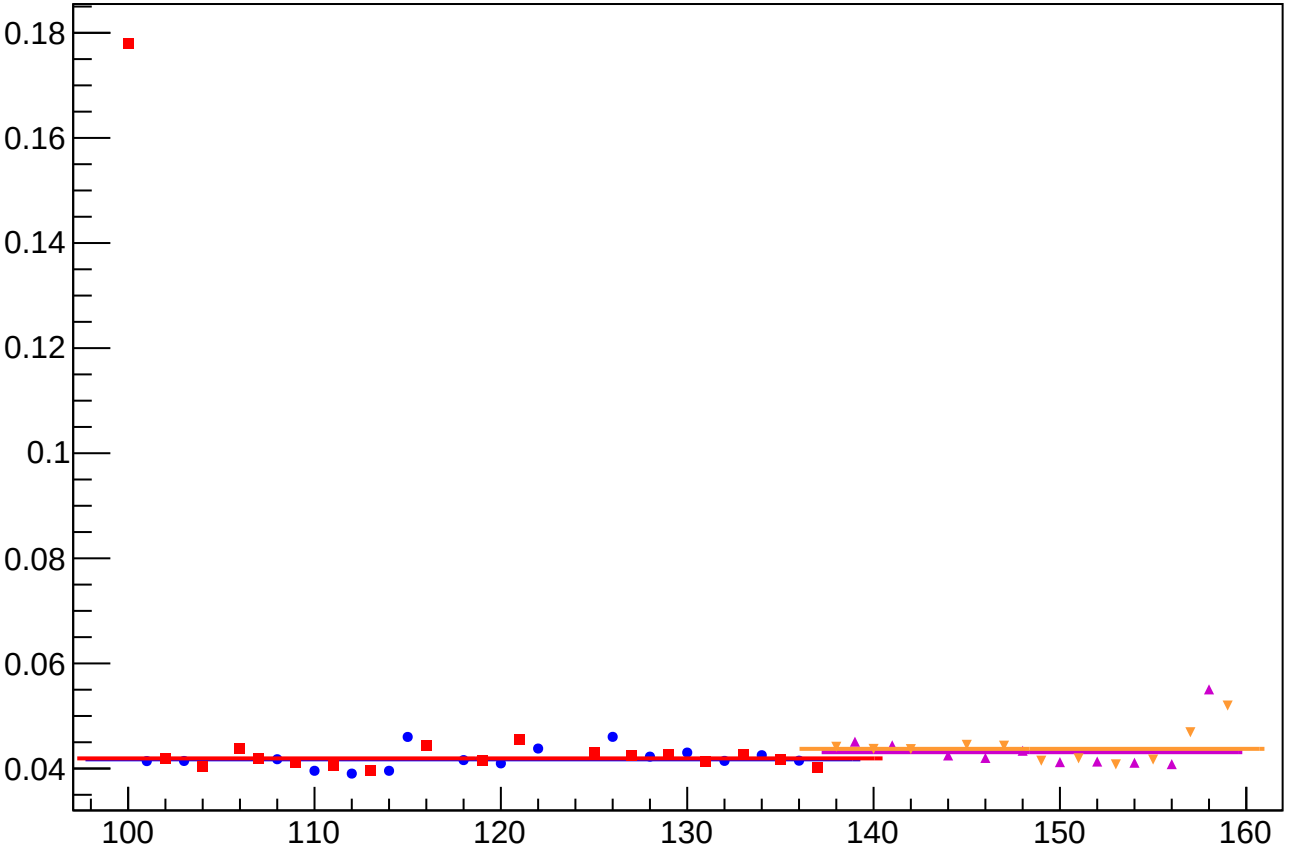
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.574+/-0.000 χ^2/NDF:585972084.6/25

Out: -25.528+/-0.000 χ^2/NDF:9613301895.2/28

All: -25.551+/-0.000 χ^2/NDF: 10208372739.1

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:69983.5/10

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:102643.9/9

Left: 0.043+/-0.000 χ^2/NDF: 174464.5/20

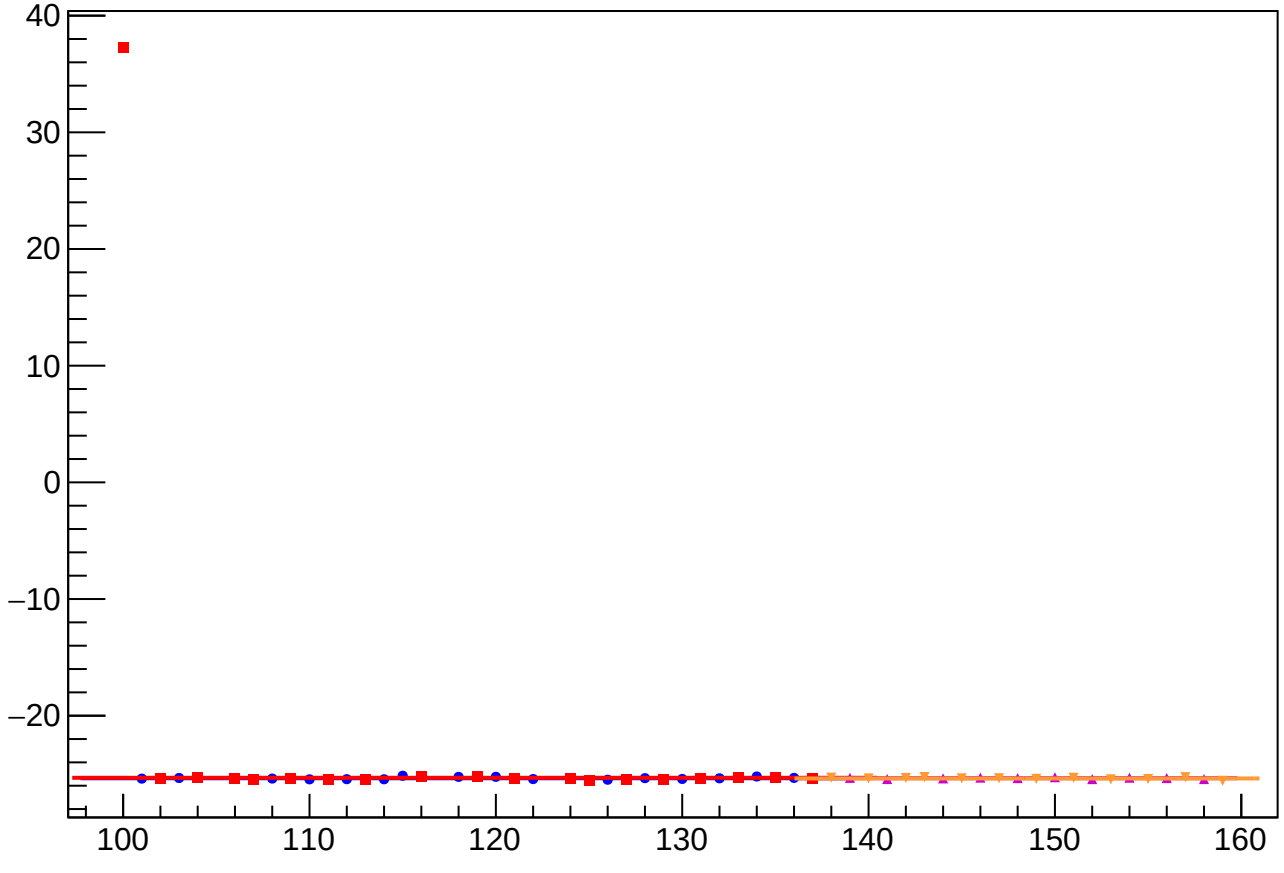
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:131413.2/25

Out: 0.043+/-0.000 χ^2/NDF:184272.7/28

All: 0.043+/-0.000 χ^2/NDF: 317117.0/54

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.378+/-0.000 χ^2/NDF:22016220.8/11

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.354+/-0.000 χ^2/NDF:7925700.0/9

Left: -25.367+/-0.000 χ^2/NDF: 30752725.6/21

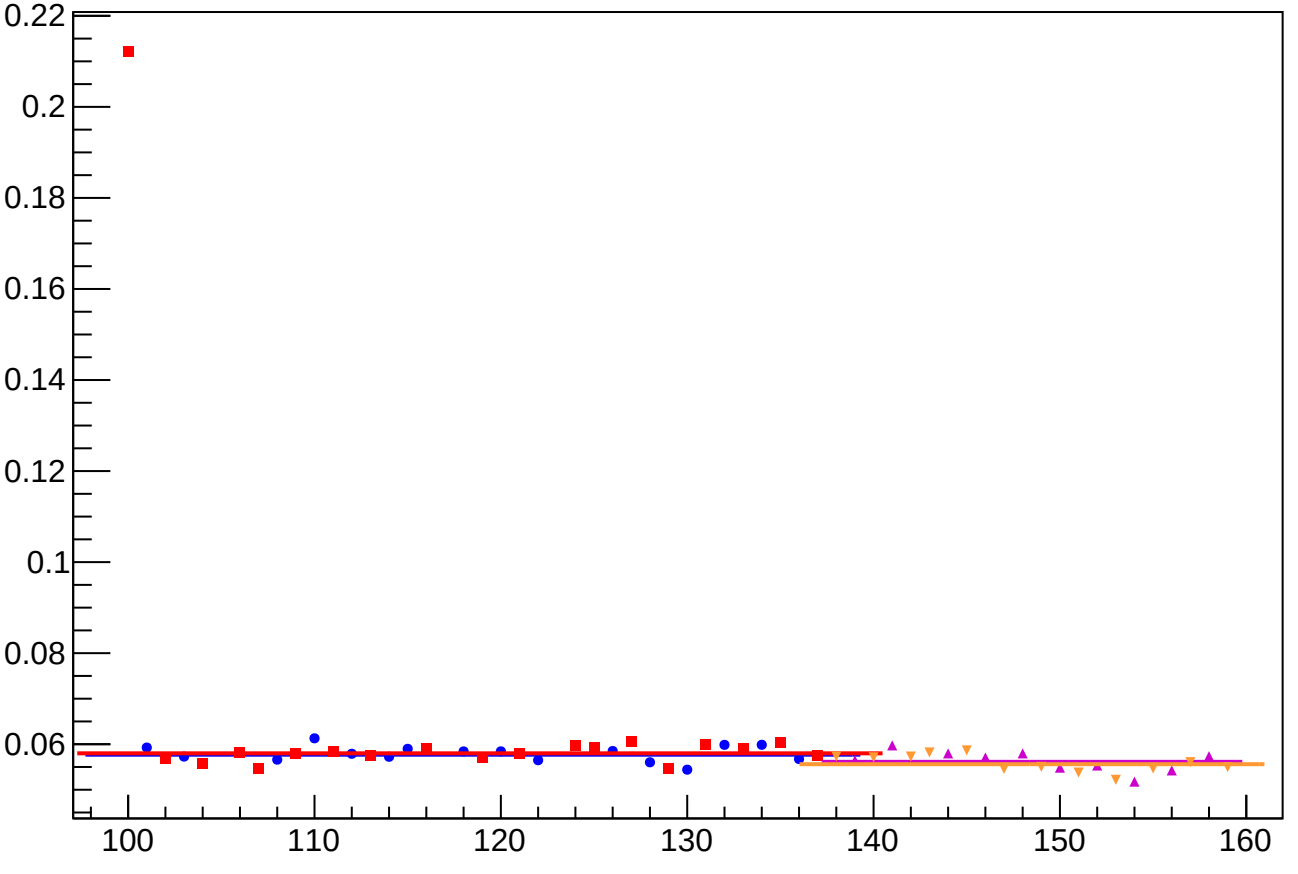
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.357+/-0.000 χ^2/NDF:21256824.0/25

Out: -25.355+/-0.000 χ^2/NDF:6340818358.4/30

All: -25.356+/-0.000 χ^2/NDF: 6362087154.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20843.2/11

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.7/9

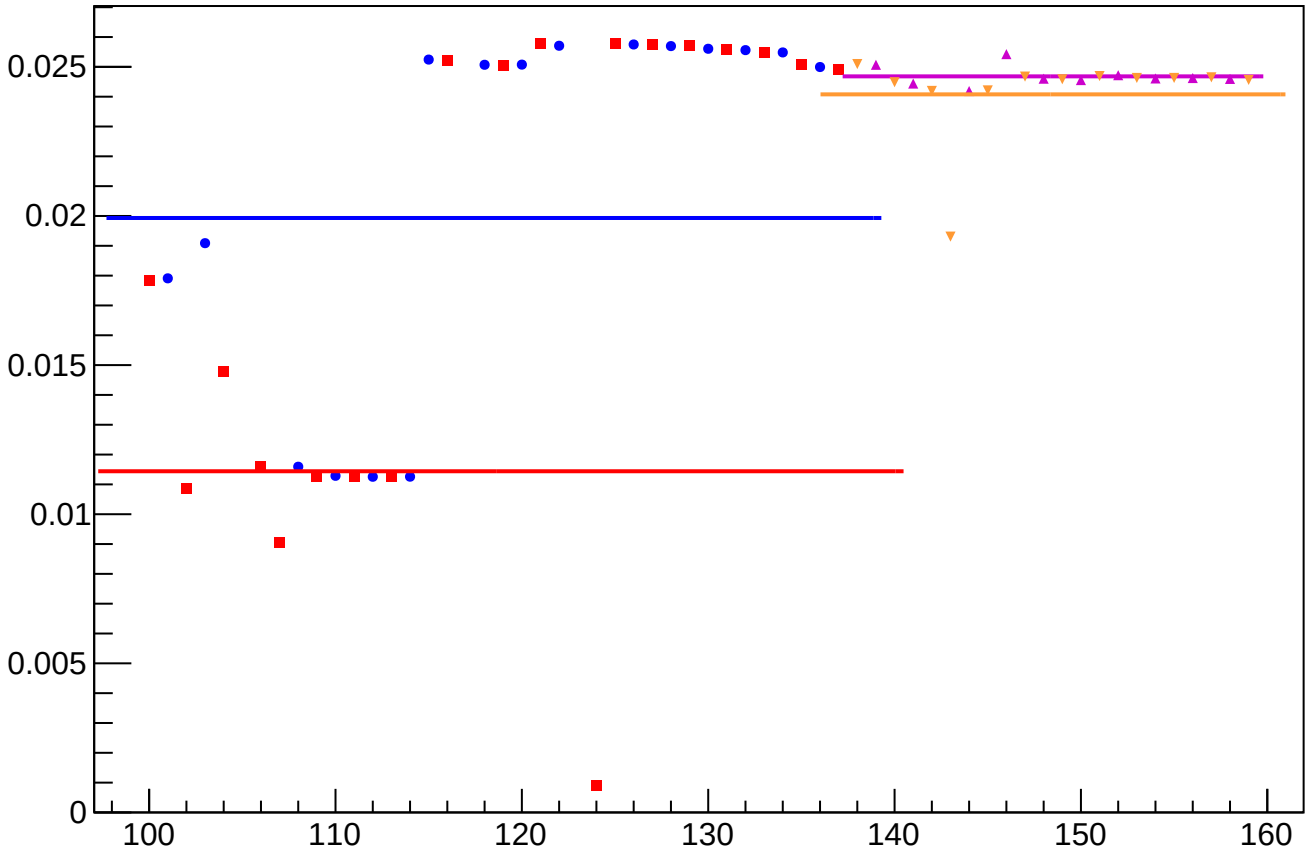
Left: 0.056+/-0.000 χ^2/NDF: 47778.8/21

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:43777.6/25

Out: 0.057+/-0.000 χ^2/NDF:123735.5/30

All: 0.057+/-0.000 χ^2/NDF: 167726.5/56



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4590765513.8/11

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:156101656.5/9

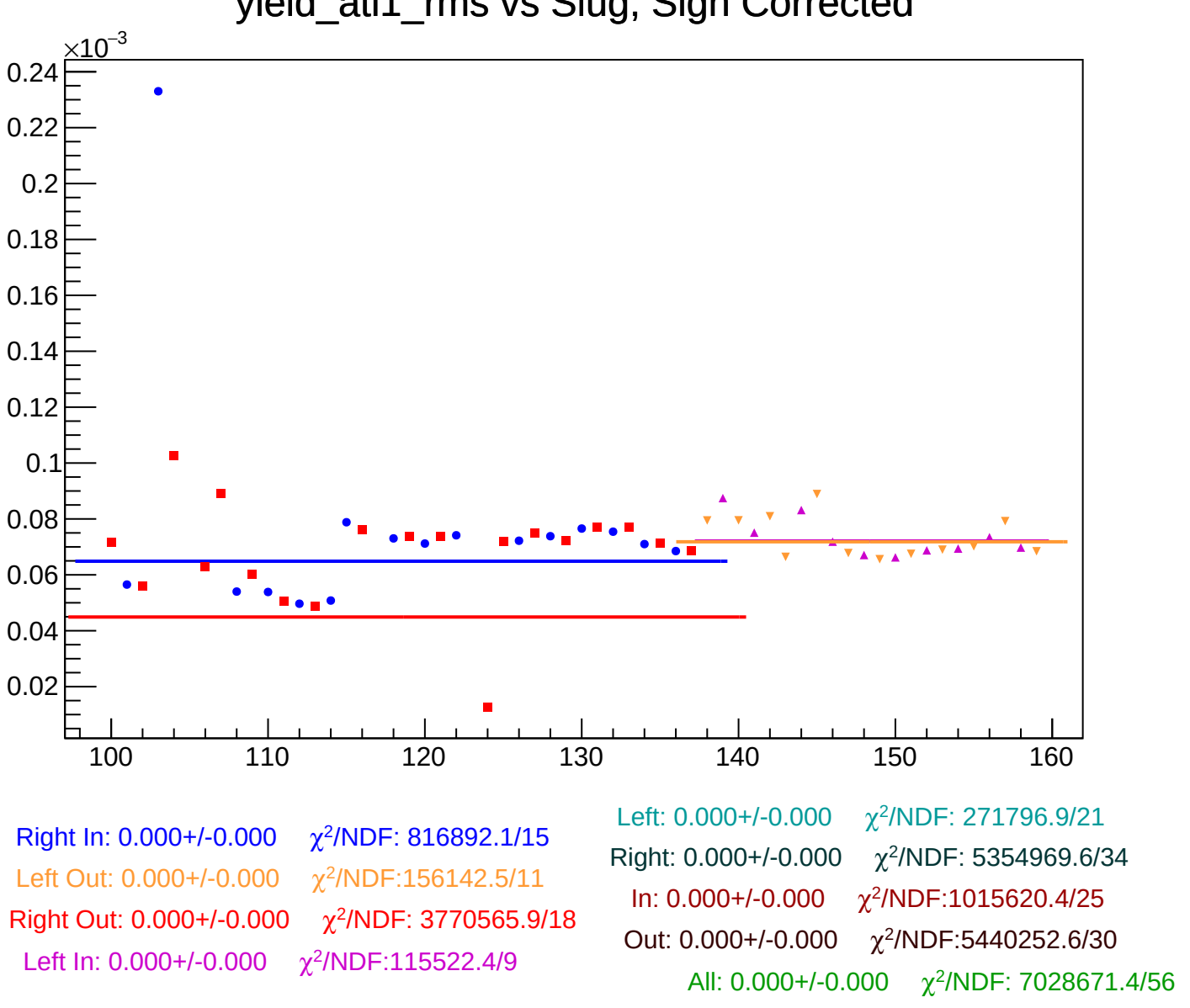
Left: 0.024+/-0.000 χ^2/NDF: 5056817493.1/21

Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

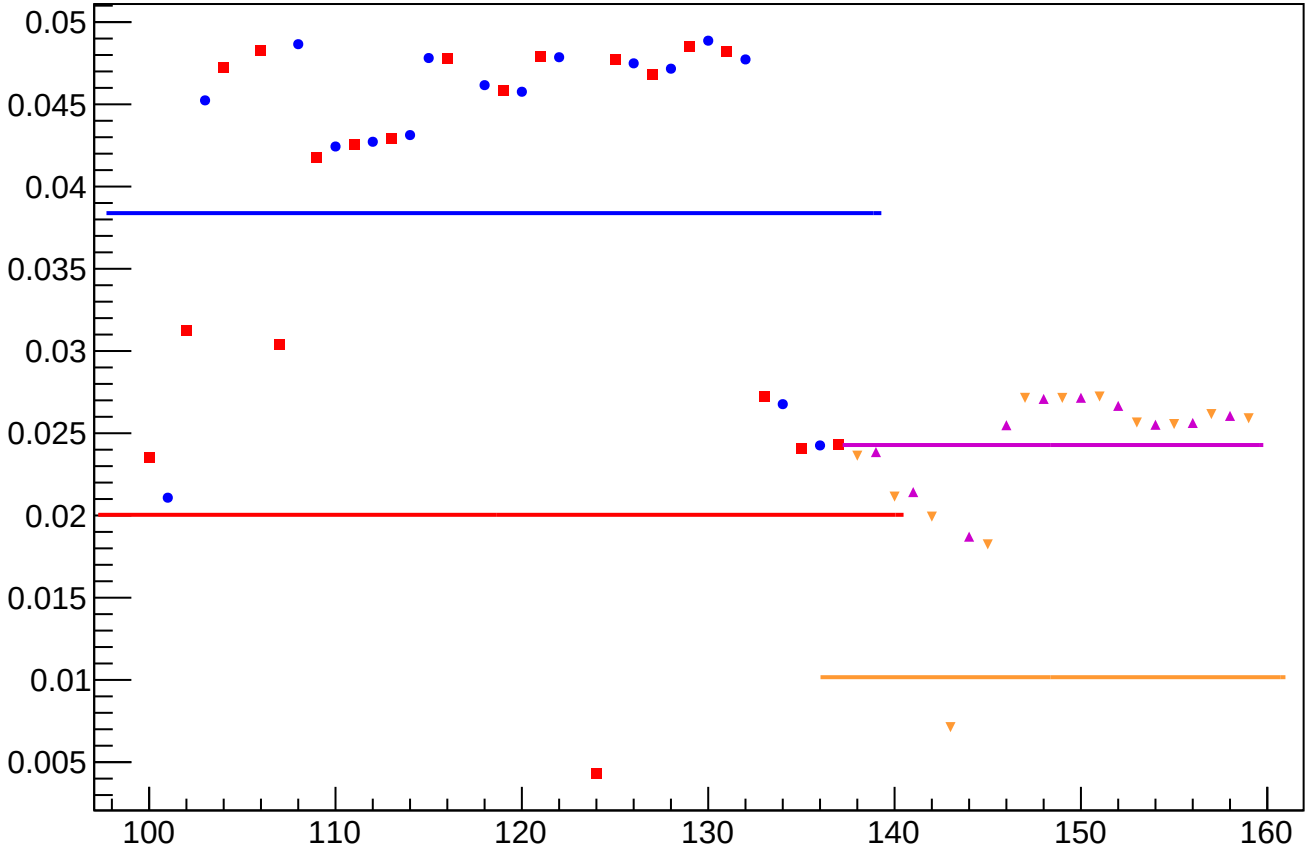
In: 0.022+/-0.000 χ^2/NDF:80560185872.9/25

Out: 0.017+/-0.000 χ^2/NDF:425260400286.8/30

All: 0.019+/-0.000 χ^2/NDF: 564938974812.6


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
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
Right In: 0.000+/-0.000 χ²/NDF: 816892.1/15
Left Out: 0.000+/-0.000 χ²/NDF:156142.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3770565.9/18
Left In: 0.000+/-0.000 χ²/NDF:115522.4/9
Left: 0.000+/-0.000 χ²/NDF: 271796.9/21
Right: 0.000+/-0.000 χ²/NDF: 5354969.6/34
In: 0.000+/-0.000 χ²/NDF:1015620.4/25
Out: 0.000+/-0.000 χ²/NDF:5440252.6/30
All: 0.000+/-0.000 χ²/NDF: 7028671.4/56

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:23493386687.5/11

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:883160233.8/9

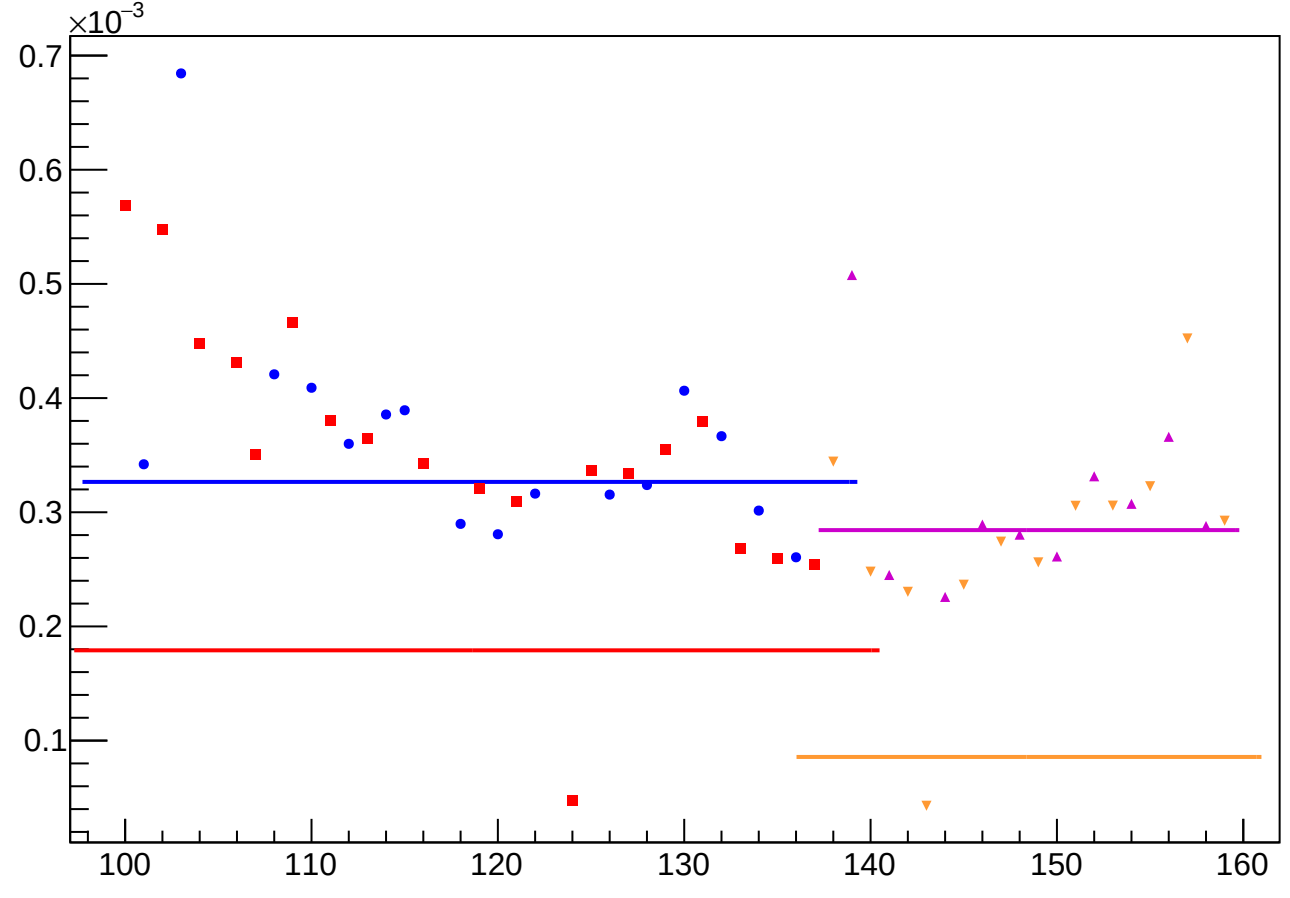
Left: 0.012+/-0.000 χ^2/NDF: 40303041344.2/21

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:15186834308.0/25

Out: 0.012+/-0.000 χ^2/NDF:75351899388.1/30

All: 0.015+/-0.000 χ^2/NDF: 129496288047.8



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9312857.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:584249.6/9

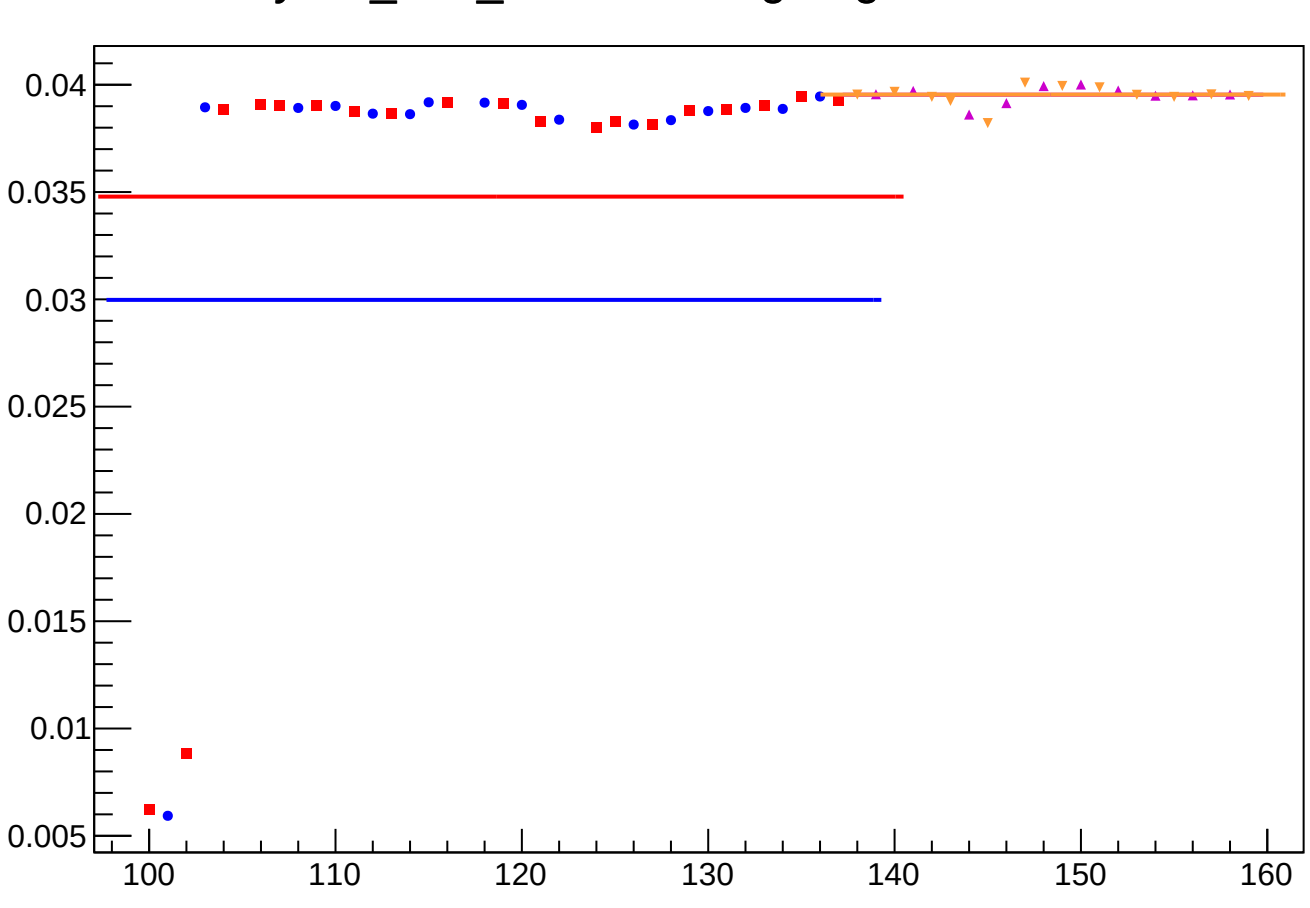
Left: 0.000+/-0.000 χ^2/NDF: 16205929.4/21

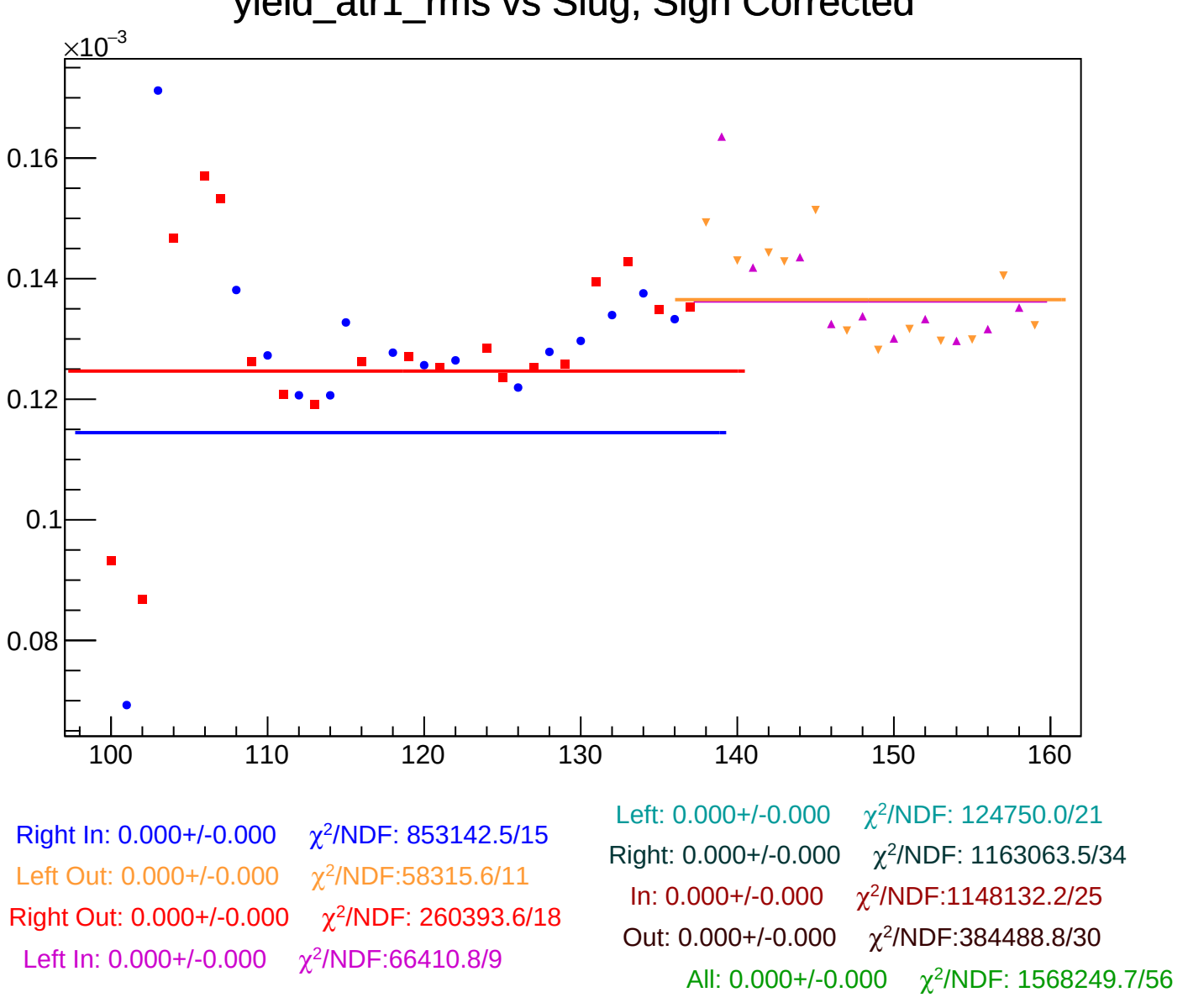
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

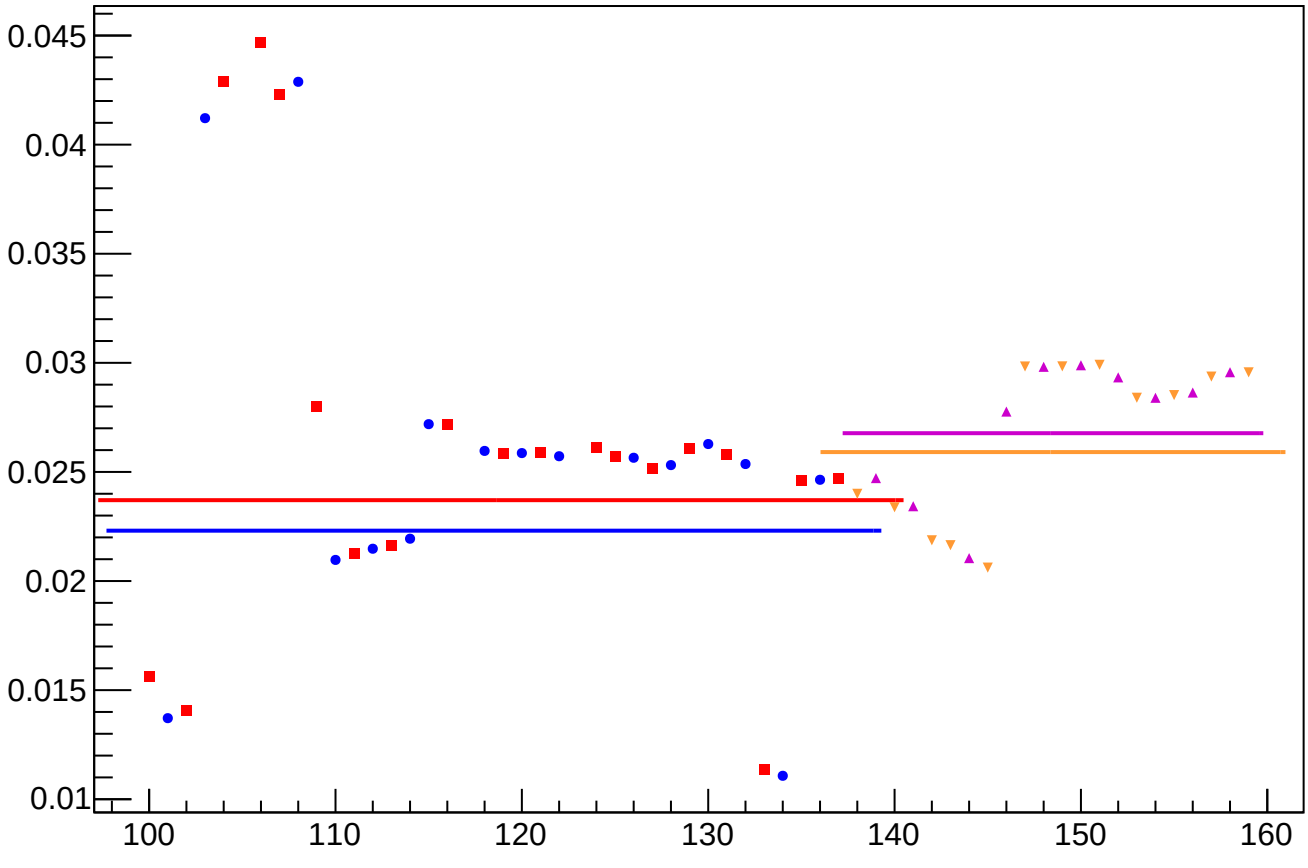
In: 0.000+/-0.000 χ^2/NDF:1295235.9/25

Out: 0.000+/-0.000 χ^2/NDF:16704152.8/30

All: 0.000+/-0.000 χ^2/NDF: 27684300.0/56


yield_atr1_mean vs Slug, Sign Corrected
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.040+/-0.000 χ²/NDF:93084165.6/11
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.040+/-0.000 χ²/NDF:65846393.8/9
Left: 0.040+/-0.000 χ²/NDF: 158945737.0/21
Right: 0.032+/-0.000 χ²/NDF: 161037517780.6/34
In: 0.034+/-0.000 χ²/NDF:130250119582.1/25
Out: 0.037+/-0.000 χ²/NDF:52657515635.4/30
All: 0.036+/-0.000 χ²/NDF: 186620511958.4


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:58315.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:66410.8/9
Left: 0.000+/-0.000 χ²/NDF: 124750.0/21
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1148132.2/25
Out: 0.000+/-0.000 χ²/NDF:384488.8/30
All: 0.000+/-0.000 χ²/NDF: 1568249.7/56



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1623958657.9/11

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1128569141.1/9

Left: 0.026+/-0.000 χ^2/NDF: 2792299233.4/21

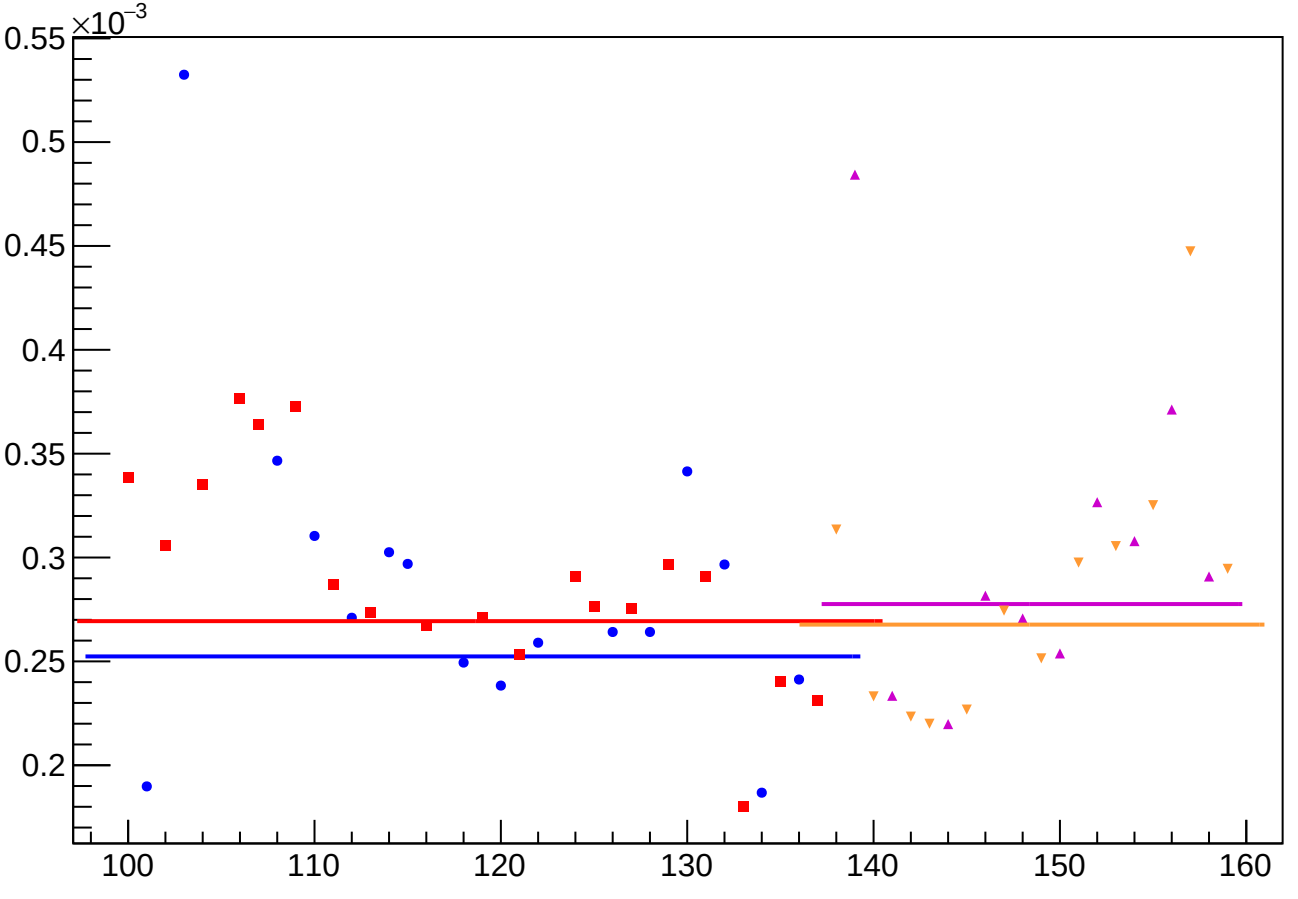
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7126407432.3/25

Out: 0.025+/-0.000 χ^2/NDF:7449161028.8/30

All: 0.025+/-0.000 χ^2/NDF: 14590694410.0/5

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:517917.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:626439.9/9

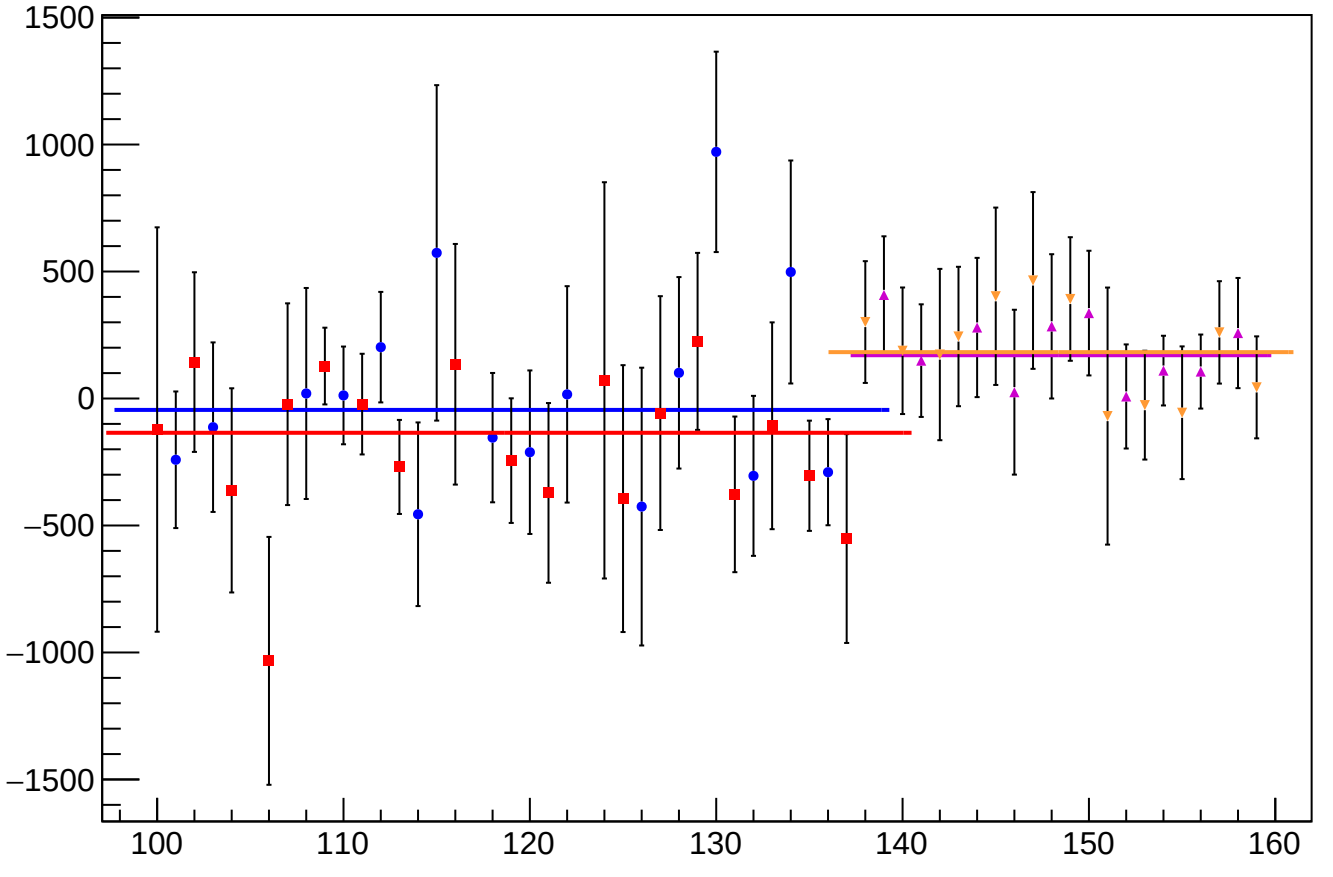
Left: 0.000+/-0.000 χ^2/NDF: 1154753.5/21

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1397053.0/25

Out: 0.000+/-0.000 χ^2/NDF:964556.1/30

All: 0.000+/-0.000 χ^2/NDF: 2363884.0/56



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 182.569+/-74.814 χ^2/NDF:4.7/11

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 170.425+/-65.080 χ^2/NDF:3.2/9

Left: 175.656+/-49.102 χ^2/NDF: 8.0/21

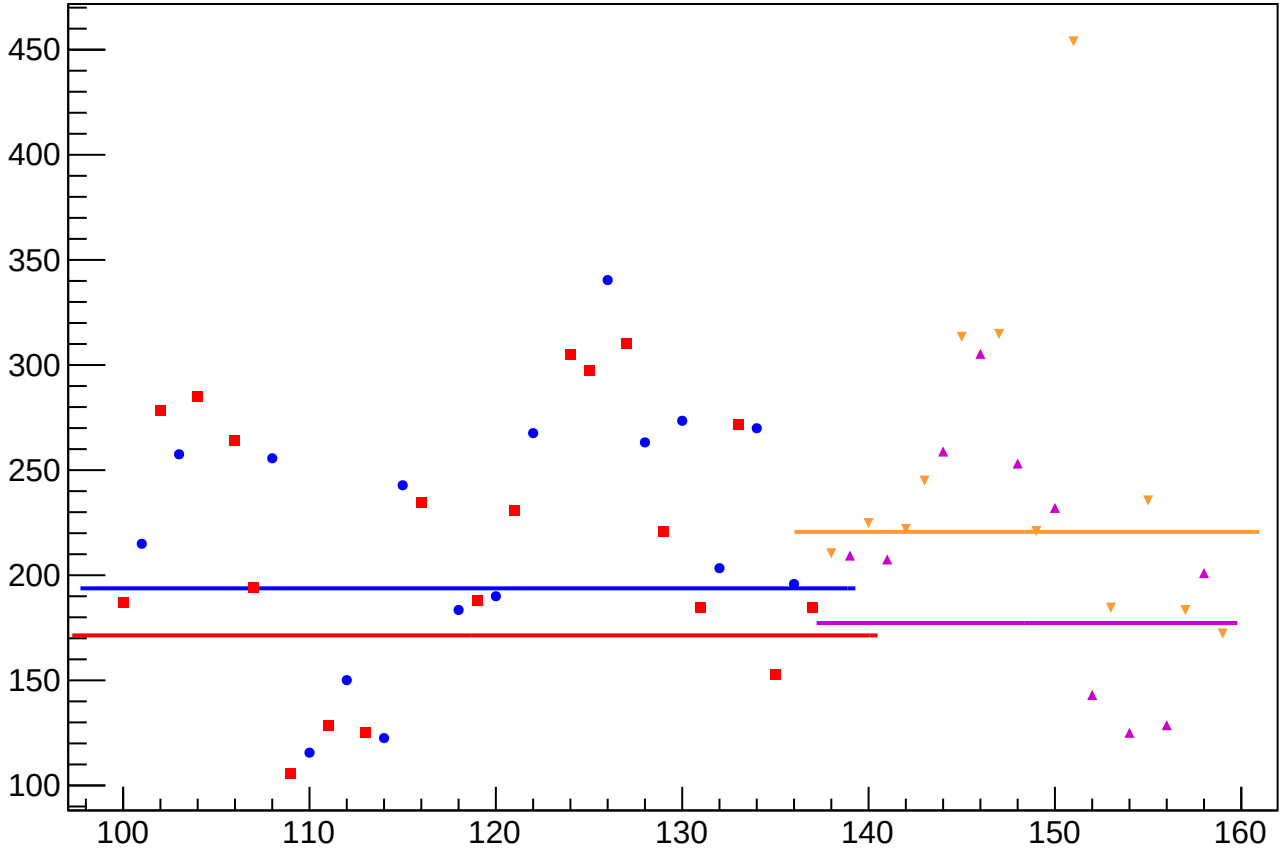
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 79.596+/-49.487 χ^2/NDF:23.3/25

Out: 8.813+/-50.345 χ^2/NDF:27.5/30

All: 44.813+/-35.292 χ^2/NDF: 51.8/56

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: 220.627+/-0.053 χ^2/NDF:979820.0/11

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

Left: 195.953+/-0.035 χ^2/NDF: 2759896.6/21

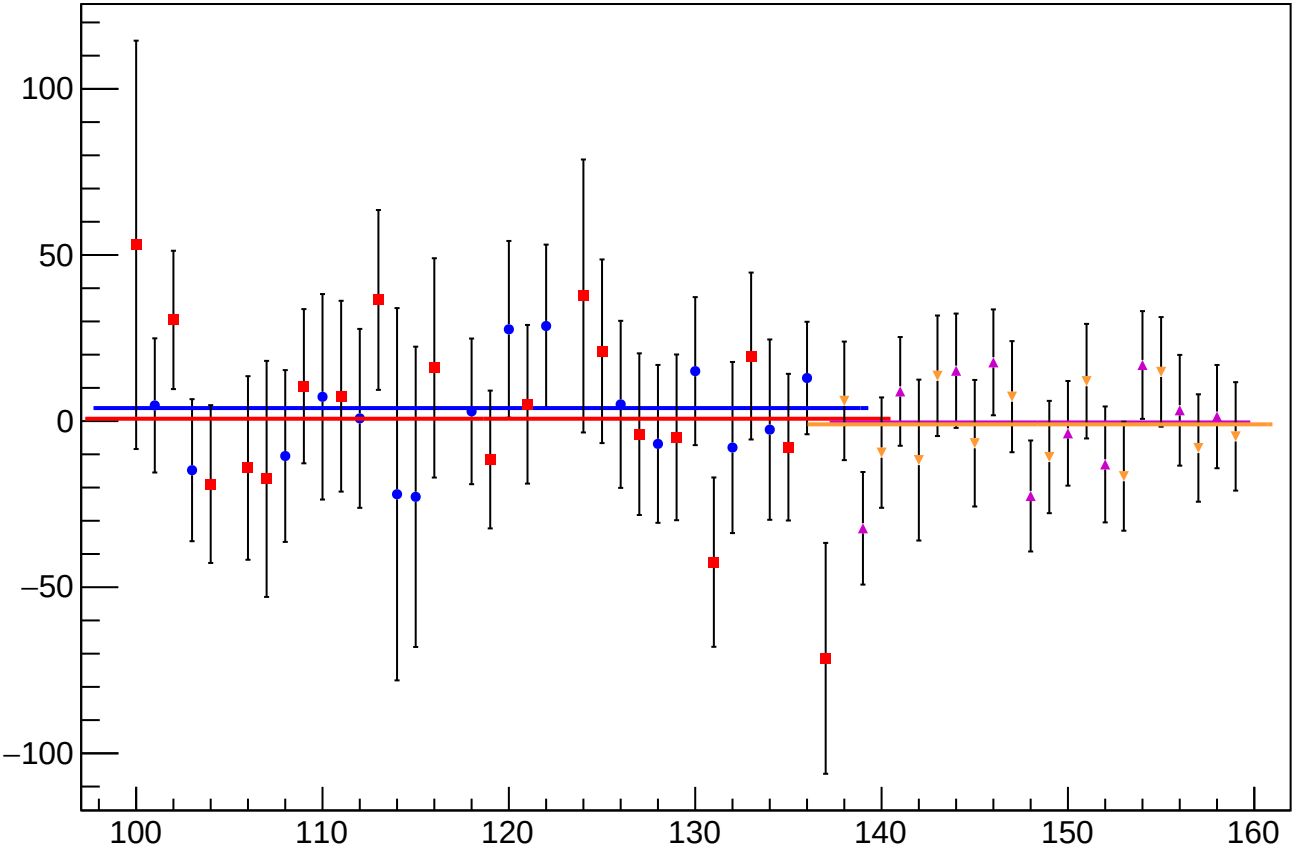
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 184.235+/-0.035 χ^2/NDF:2500125.5/25

Out: 193.683+/-0.036 χ^2/NDF:3112040.2/30

All: 188.877+/-0.025 χ^2/NDF: 5647987.4/56

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: -0.973+/-5.021 χ^2/NDF:4.6/11

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -0.404+/-5.200 χ^2/NDF:9.5/9

Left: -0.698+/-3.612 χ^2/NDF: 14.1/21

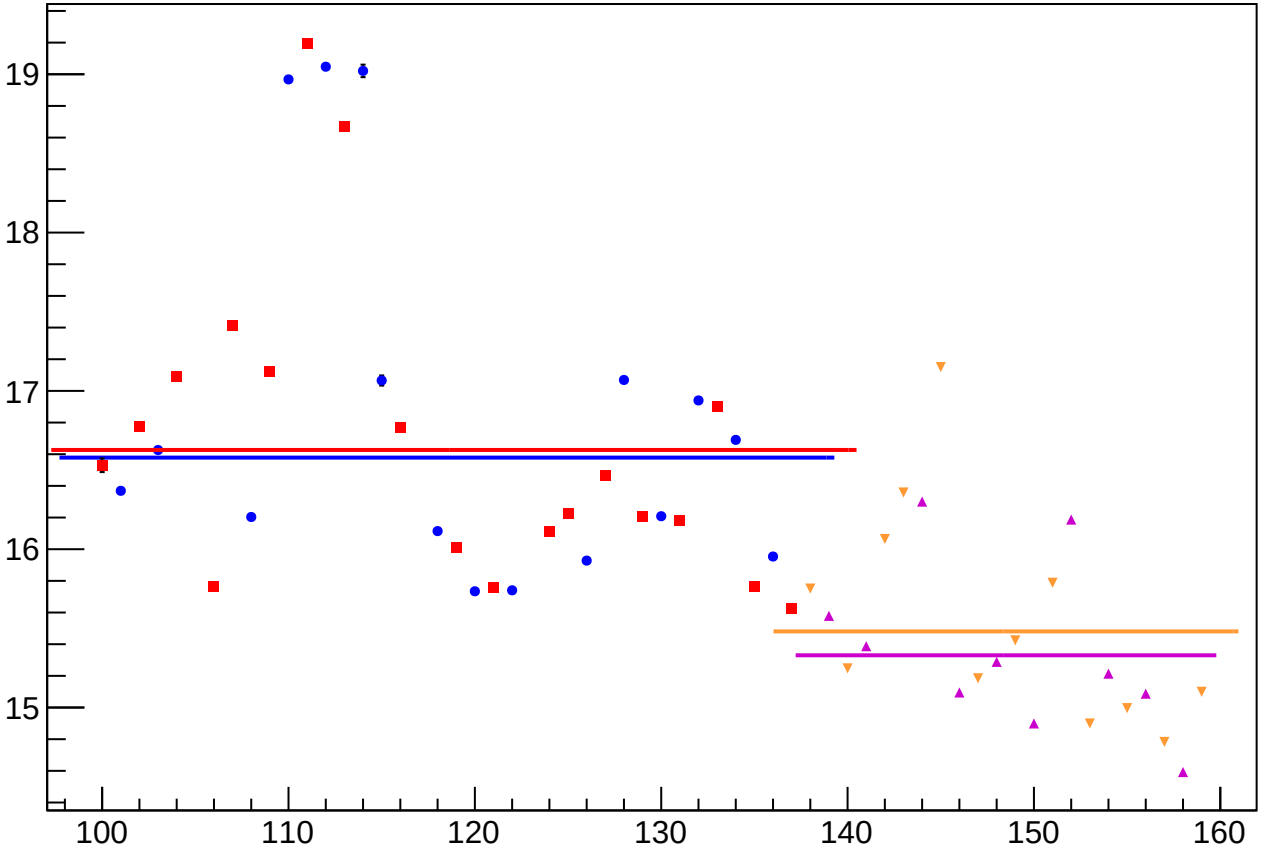
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.393+/-3.977 χ^2/NDF:14.3/25

Out: -0.289+/-3.870 χ^2/NDF:20.5/30

All: 0.529+/-2.774 χ^2/NDF: 34.9/56

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: 15.481+/-0.004 χ^2/NDF:32403.6/11

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.330+/-0.004 χ^2/NDF:18624.2/9

Left: 15.408+/-0.003 χ^2/NDF: 51899.1/21

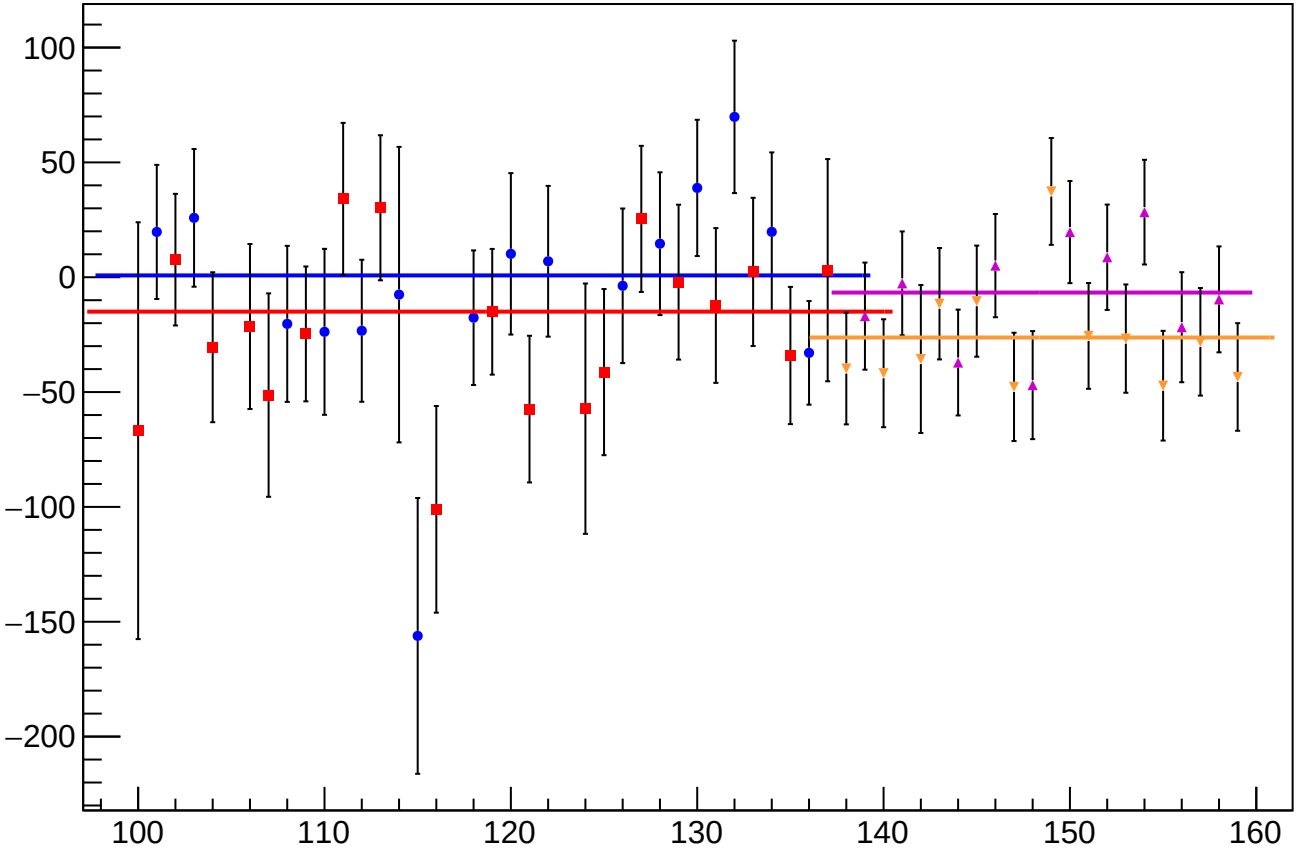
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.848+/-0.003 χ^2/NDF:111075.0/25

Out: 15.946+/-0.003 χ^2/NDF:118144.7/30

All: 15.898+/-0.002 χ^2/NDF: 229835.2/56

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: -26.250+/-6.967 χ^2/NDF:11.3/11

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -6.673+/-7.266 χ^2/NDF:9.8/9

Left: -16.873+/-5.029 χ^2/NDF: 24.8/21

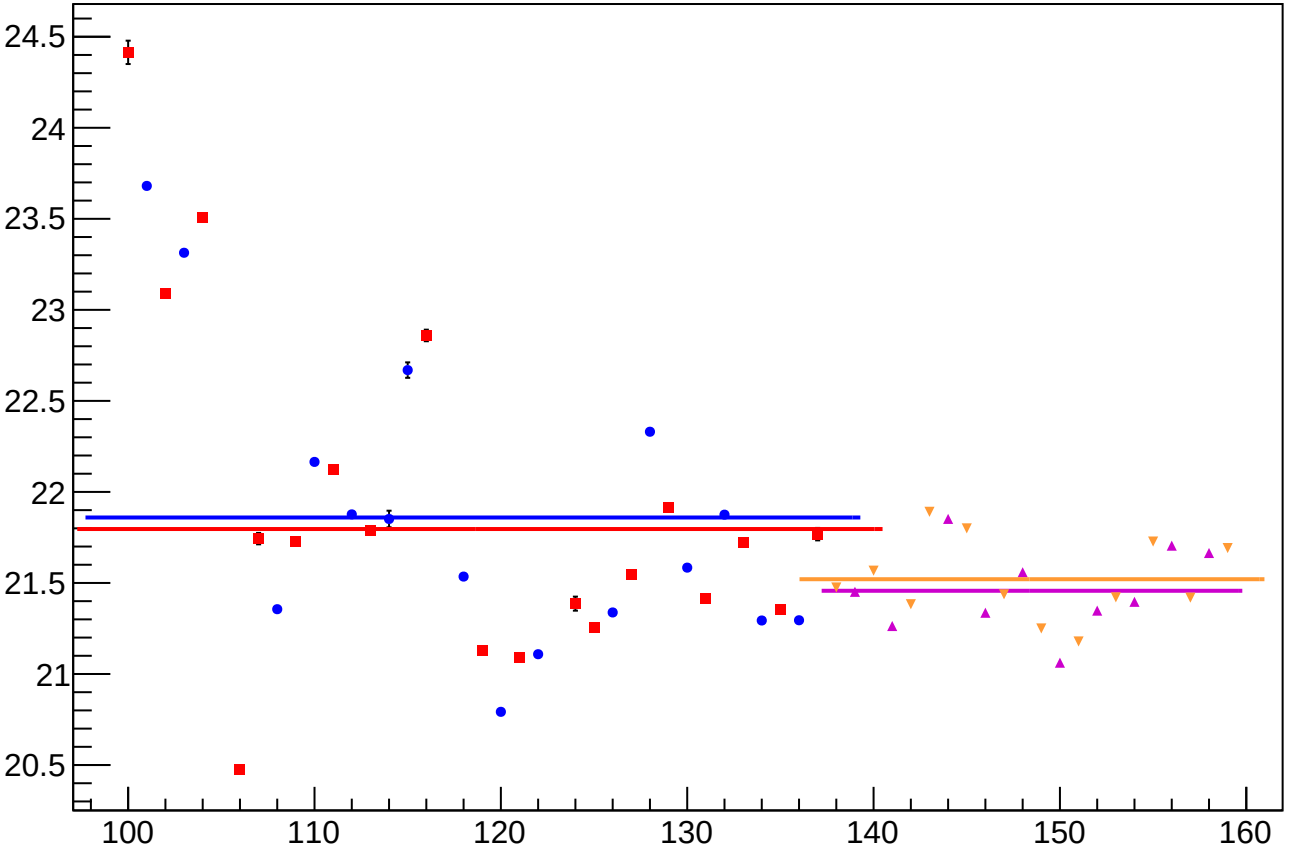
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.356+/-5.416 χ^2/NDF:28.9/25

Out: -21.358+/-5.240 χ^2/NDF:27.8/30

All: -12.654+/-3.766 χ^2/NDF: 62.4/56

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: 21.521+/-0.005 χ^2/NDF:1849.2/11

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.457+/-0.005 χ^2/NDF:1895.8/9

Left: 21.490+/-0.004 χ^2/NDF: 3824.5/21

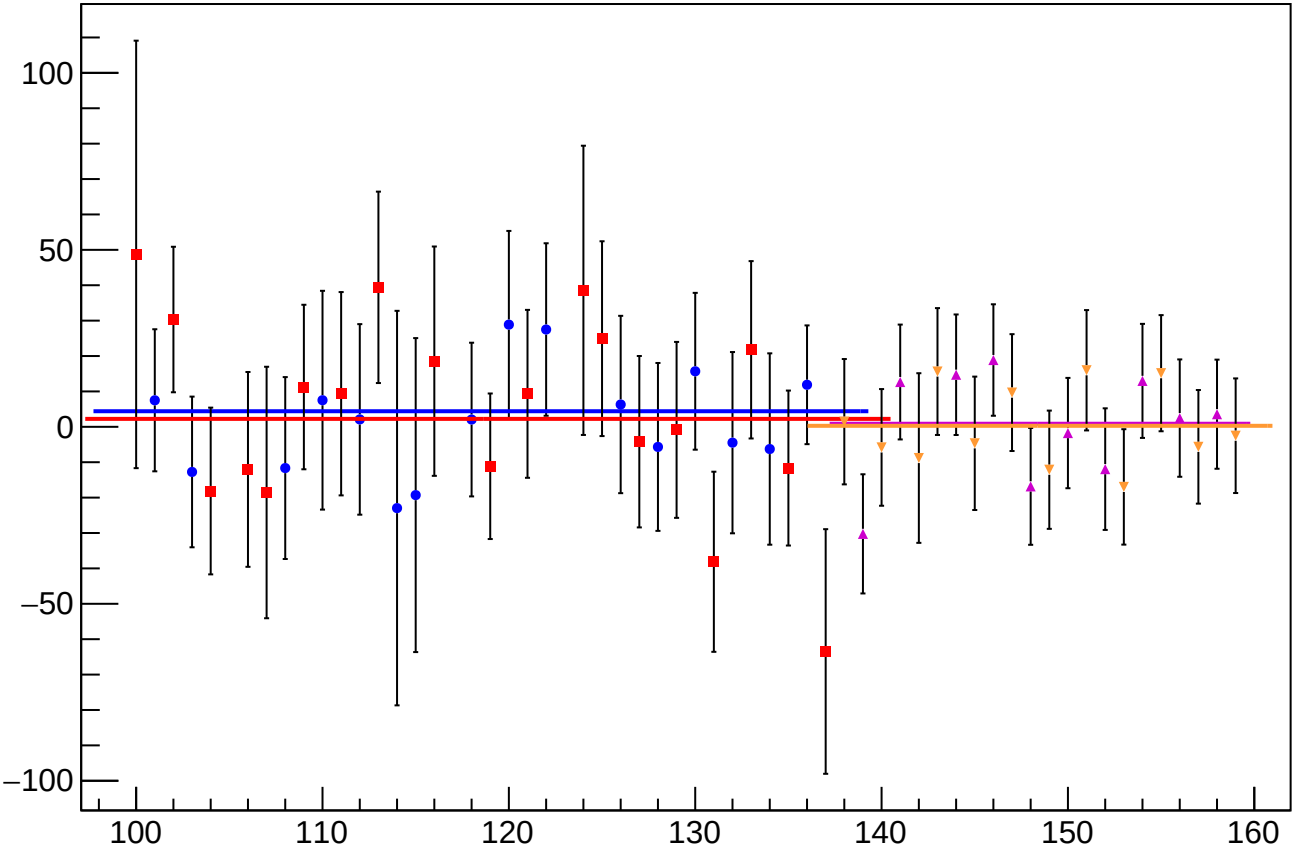
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.636+/-0.004 χ^2/NDF:24091.3/25

Out: 21.640+/-0.004 χ^2/NDF:22070.2/30

All: 21.638+/-0.003 χ^2/NDF: 46162.1/56

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: 0.286+/-4.973 χ^2/NDF:4.9/11

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.869+/-5.151 χ^2/NDF:8.3/9

Left: 0.567+/-3.578 χ^2/NDF: 13.2/21

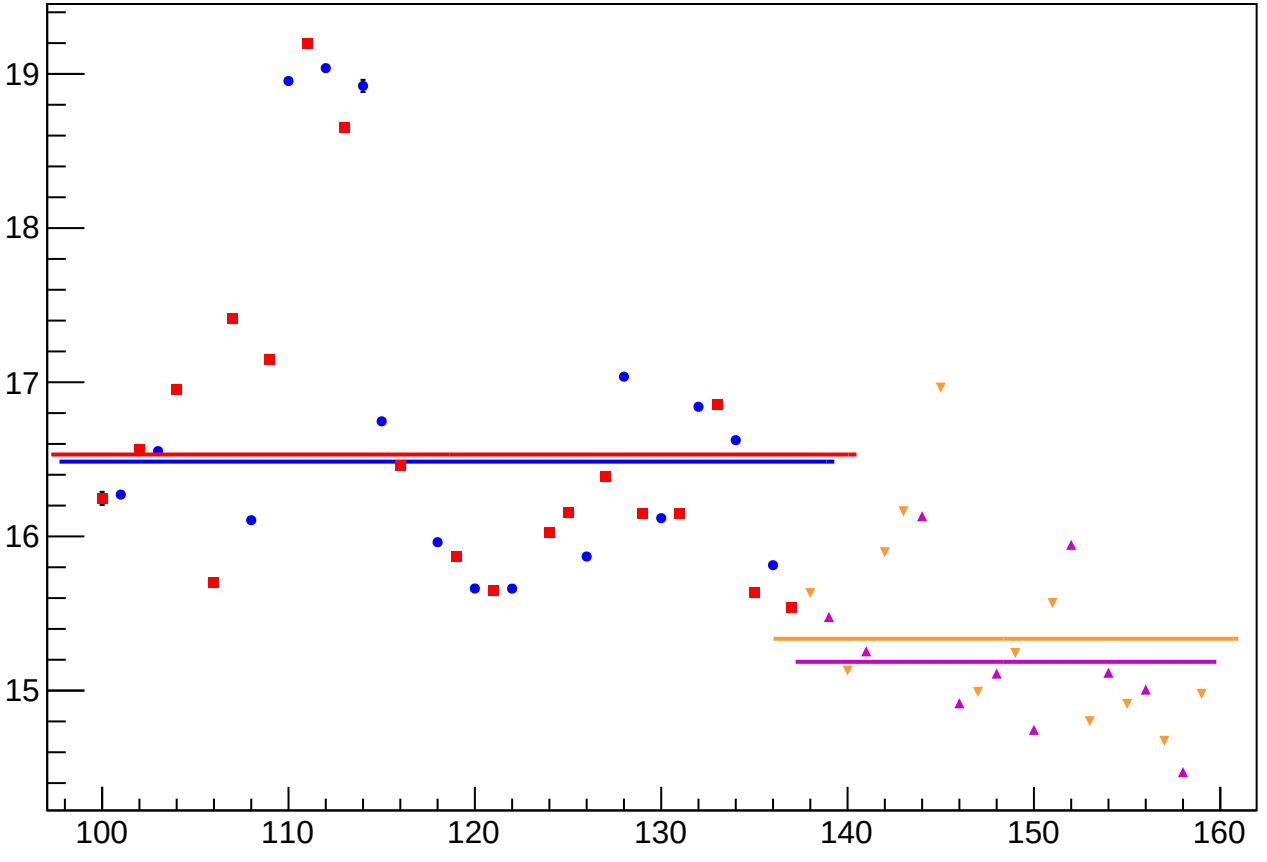
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.330+/-3.946 χ^2/NDF:12.7/25

Out: 1.077+/-3.840 χ^2/NDF:20.4/30

All: 1.686+/-2.752 χ^2/NDF: 33.2/56

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: 15.336+/-0.004 χ^2/NDF:30342.3/11

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.186+/-0.004 χ^2/NDF:17502.8/9

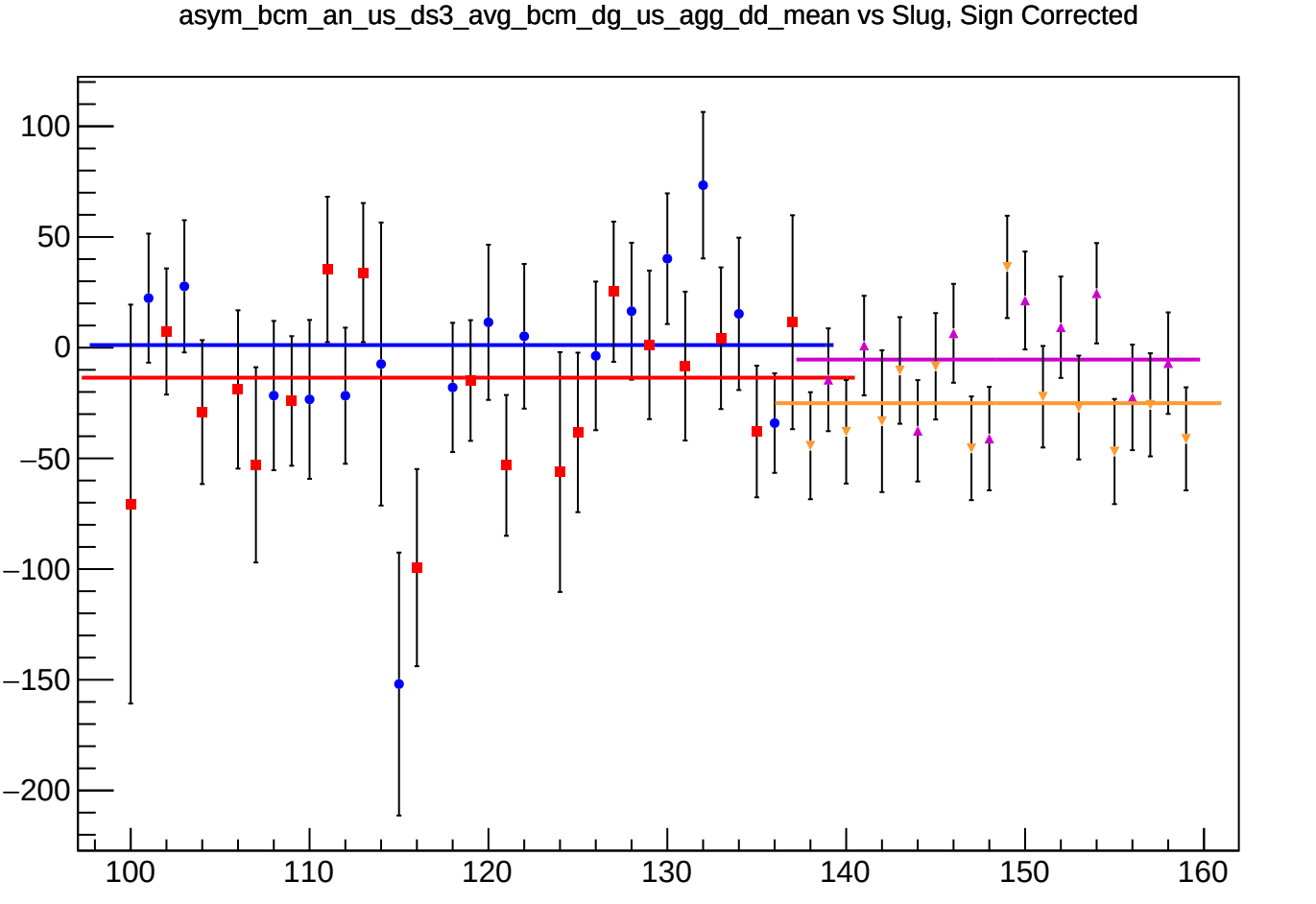
Left: 15.264+/-0.003 χ^2/NDF: 48720.2/21

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

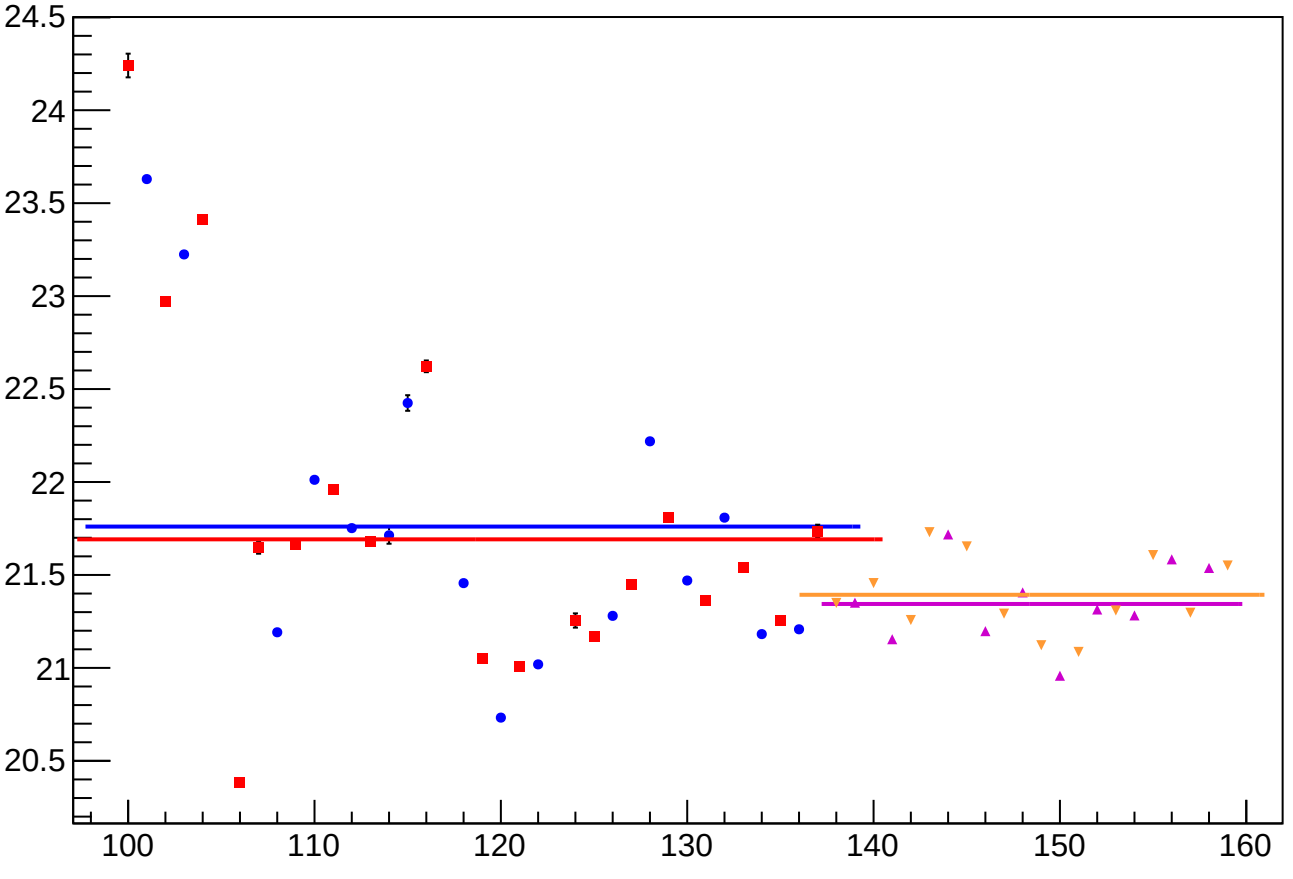
In: 15.723+/-0.003 χ^2/NDF:117225.2/25

Out: 15.819+/-0.003 χ^2/NDF:123452.9/30

All: 15.772+/-0.002 χ^2/NDF: 241281.6/56


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -25.063+/-6.925 χ²/NDF:11.1/11
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -5.366+/-7.228 χ²/NDF:9.0/9
Left: -15.636+/-5.000 χ²/NDF: 23.9/21
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -2.457+/-5.389 χ²/NDF:28.7/25
Out: -20.071+/-5.212 χ²/NDF:28.2/30
All: -11.559+/-3.747 χ²/NDF: 62.4/56

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: 21.393+/-0.005 χ^2/NDF:1668.7/11

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.344+/-0.005 χ^2/NDF:1749.1/9

Left: 21.370+/-0.004 χ^2/NDF: 3466.6/21

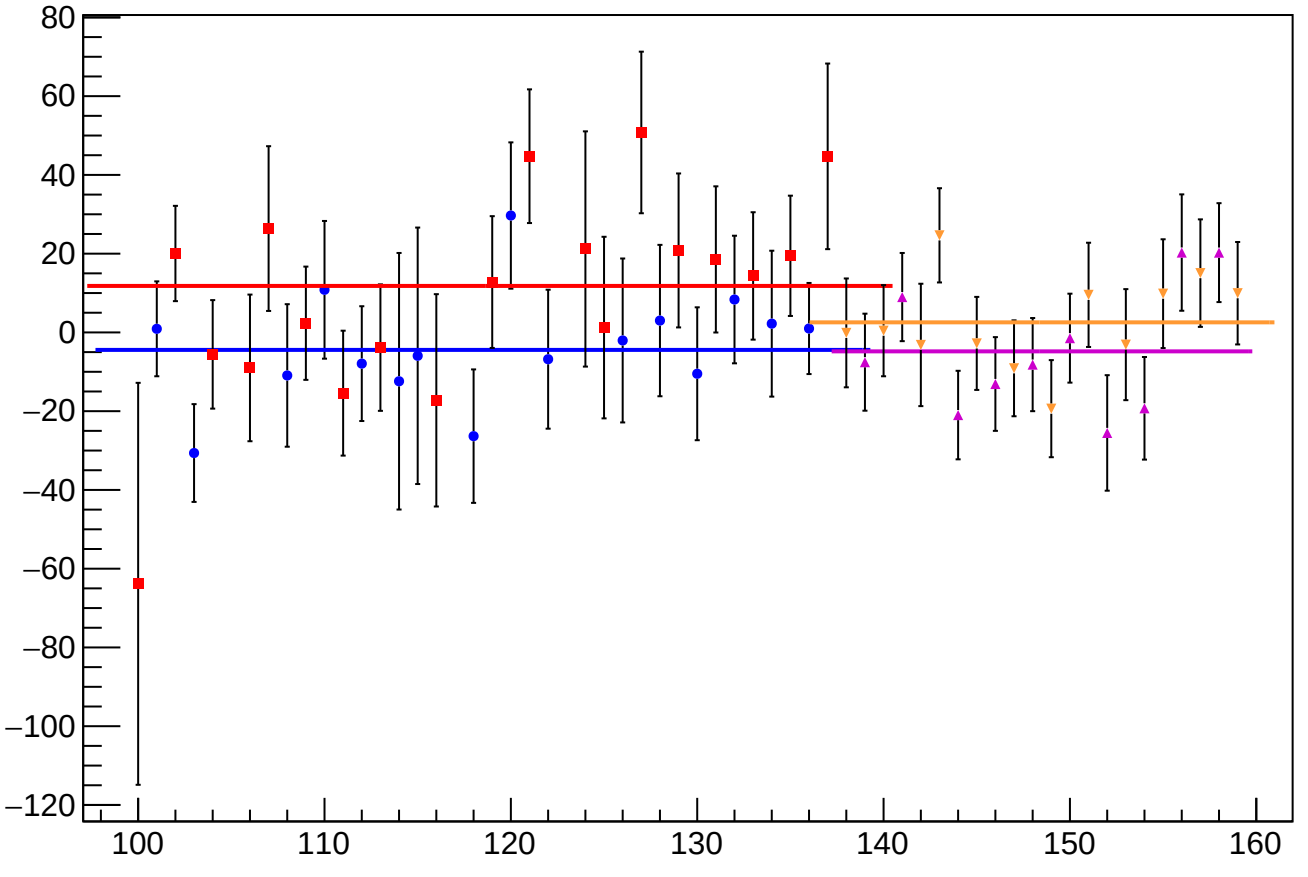
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.529+/-0.004 χ^2/NDF:24441.7/25

Out: 21.523+/-0.004 χ^2/NDF:21608.0/30

All: 21.526+/-0.003 χ^2/NDF: 46051.0/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.557+/-3.738 χ^2/NDF:9.8/11

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -4.811+/-3.893 χ^2/NDF:14.4/9

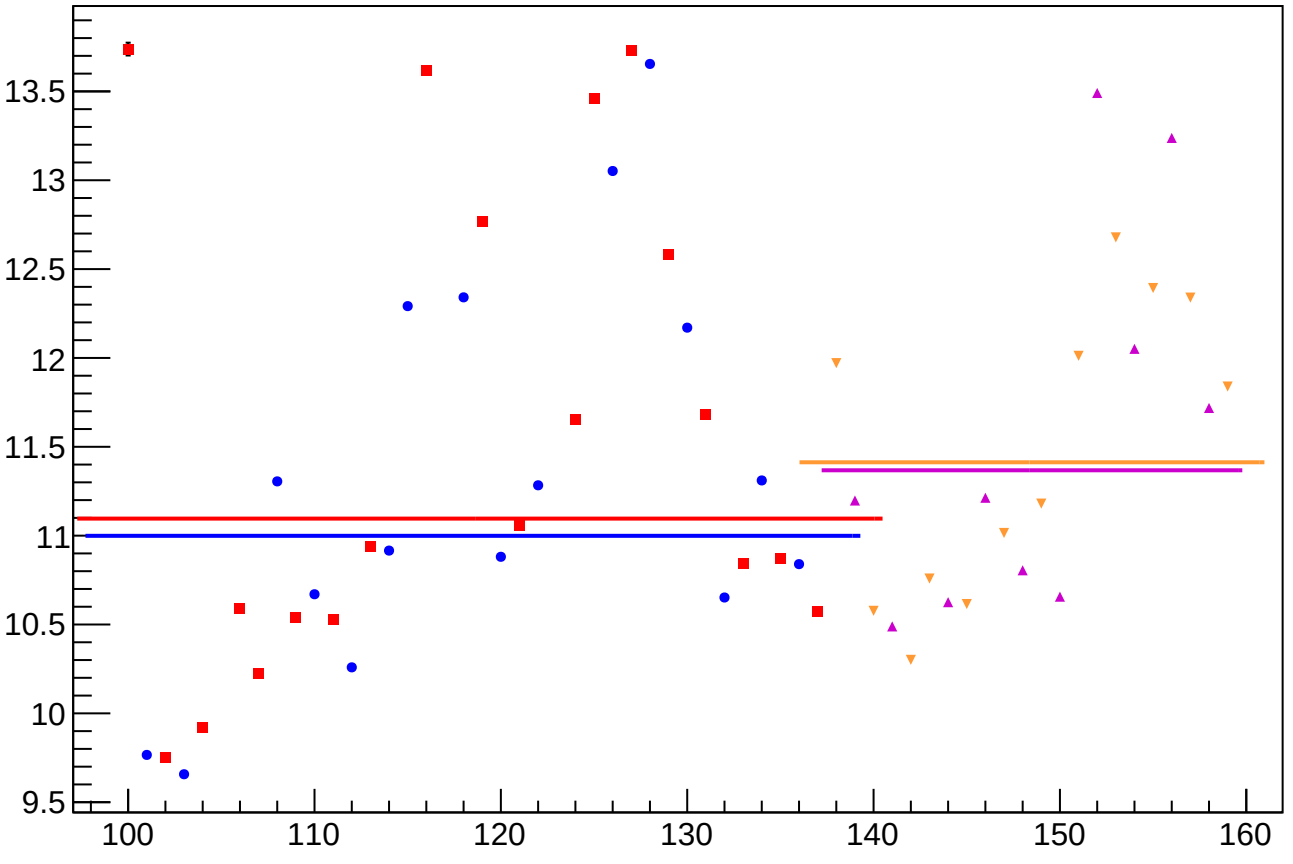
Left: -0.977+/-2.696 χ^2/NDF: 26.0/21

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -4.636+/-2.833 χ^2/NDF:26.4/25

Out: 6.758+/-2.762 χ^2/NDF:34.3/30

All: 1.207+/-1.978 χ^2/NDF: 69.0/56



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.413+/-0.003 χ^2/NDF:83526.5/11

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

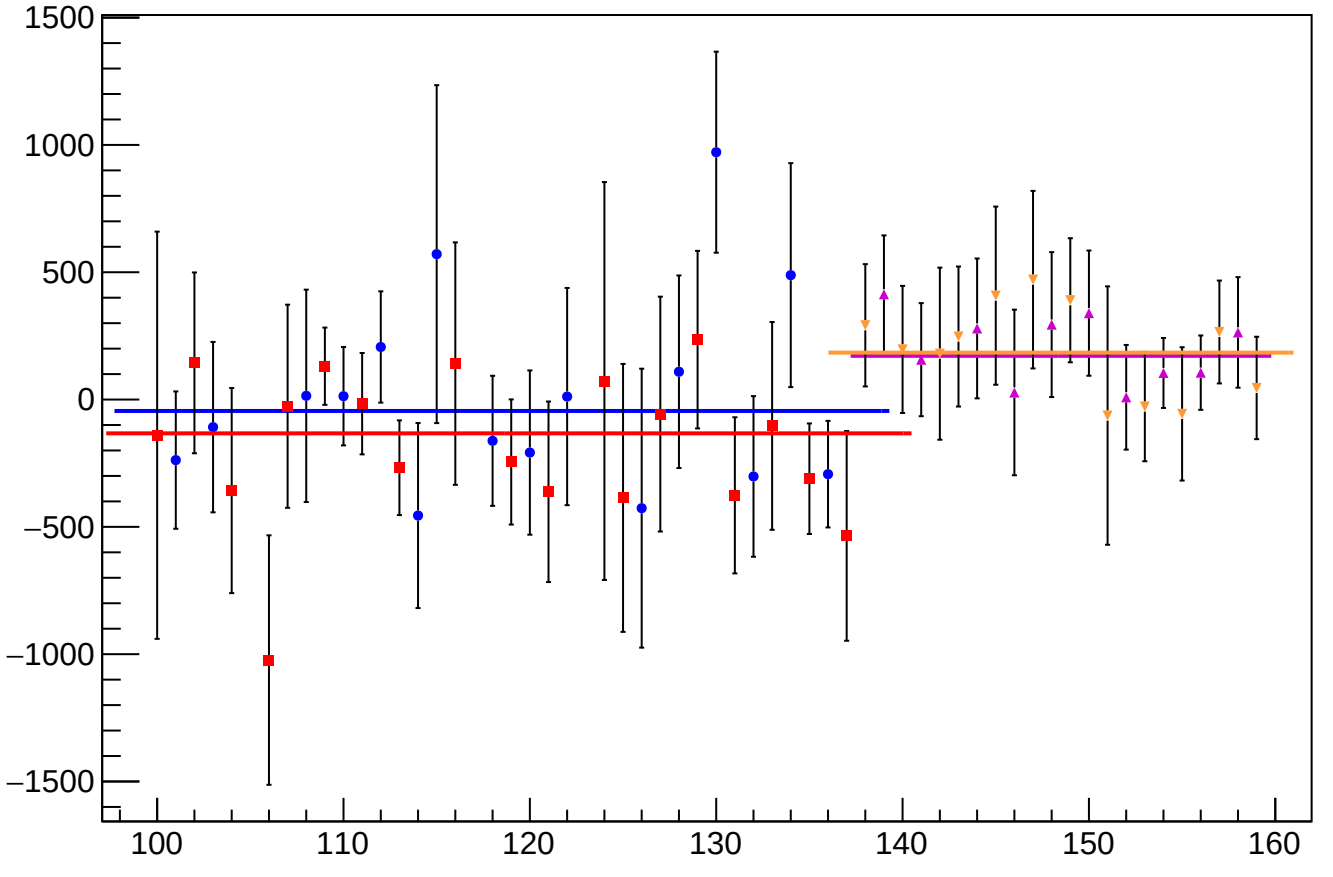
Left: 11.391+/-0.002 χ^2/NDF: 198891.8/21

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.194+/-0.002 χ^2/NDF:259827.6/25

Out: 11.269+/-0.002 χ^2/NDF:252966.5/30

All: 11.233+/-0.001 χ^2/NDF: 513504.8/56



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 184.307+/-74.947 χ^2/NDF:4.7/11

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 171.733+/-65.183 χ^2/NDF:3.4/9

Left: 177.148+/-49.184 χ^2/NDF: 8.1/21

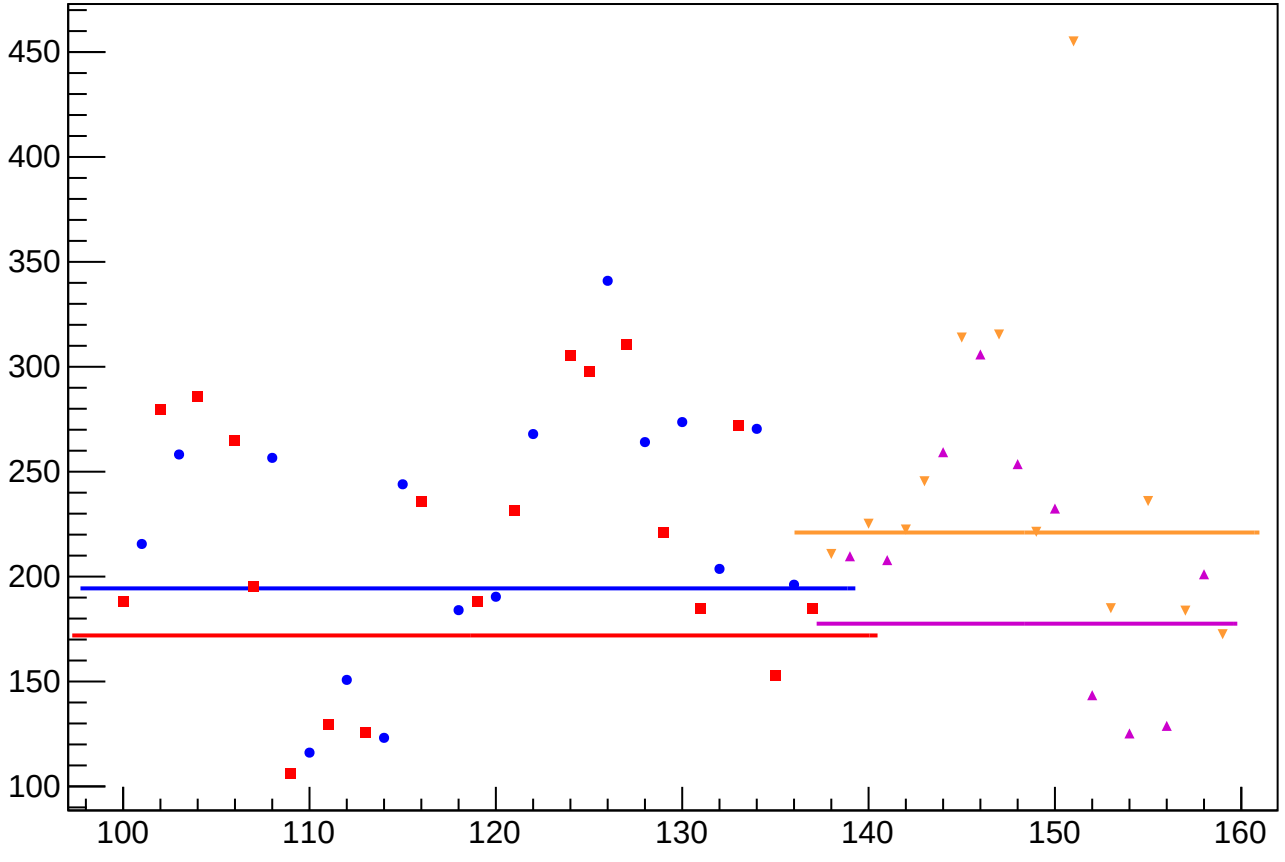
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 80.547+/-49.594 χ^2/NDF:23.4/25

Out: 11.039+/-50.470 χ^2/NDF:27.4/30

All: 46.401+/-35.374 χ^2/NDF: 51.8/56

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: 221.014+/-0.053 χ^2/NDF:980544.1/11

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

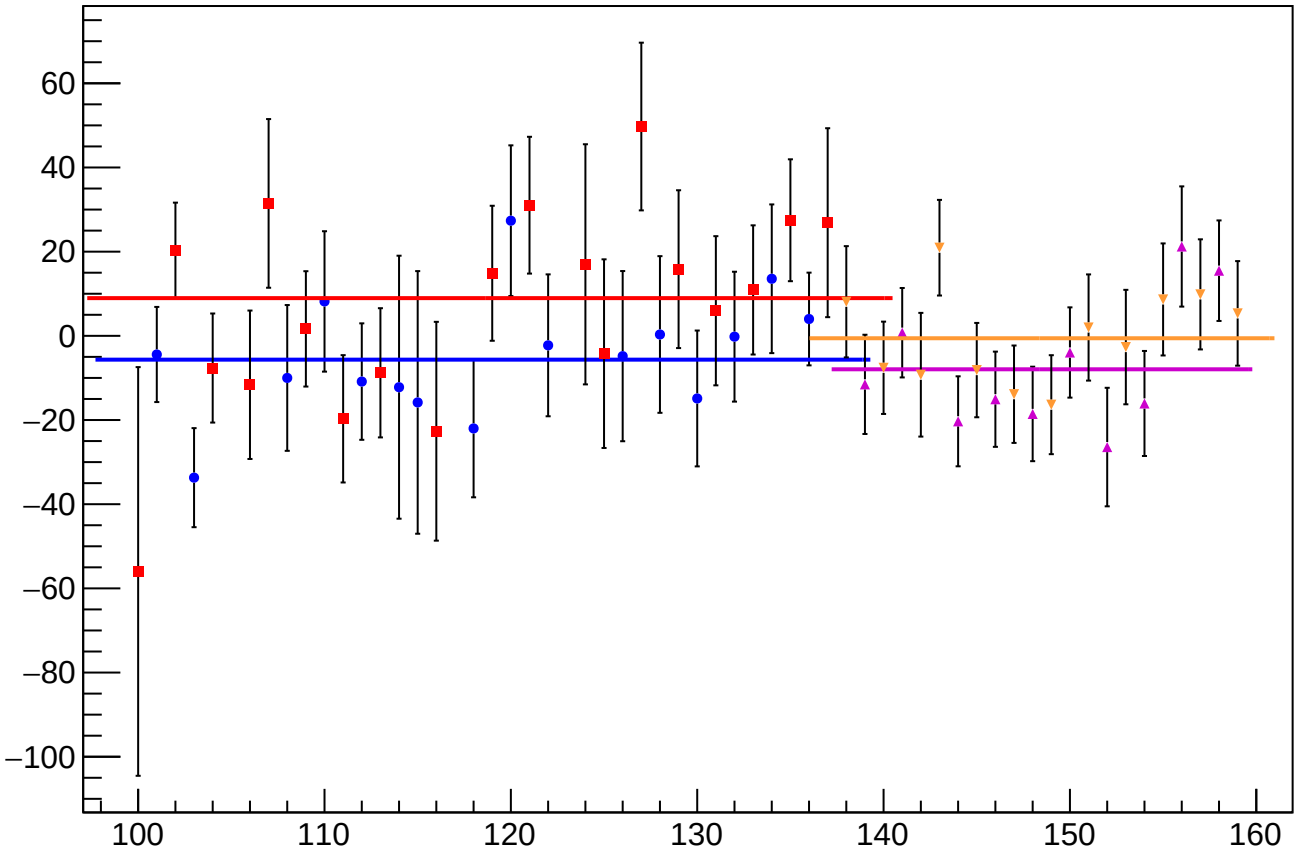
Left: 196.274+/-0.035 χ^2/NDF: 2761202.2/21

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.645+/-0.035 χ^2/NDF:2496016.1/25

Out: 194.199+/-0.036 χ^2/NDF:3100348.4/30

All: 189.338+/-0.025 χ^2/NDF: 5632821.6/56



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -0.573+/-3.563 χ^2/NDF:9.8/11

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -7.948+/-3.711 χ^2/NDF:13.7/9

Left: -4.112+/-2.570 χ^2/NDF: 25.5/21

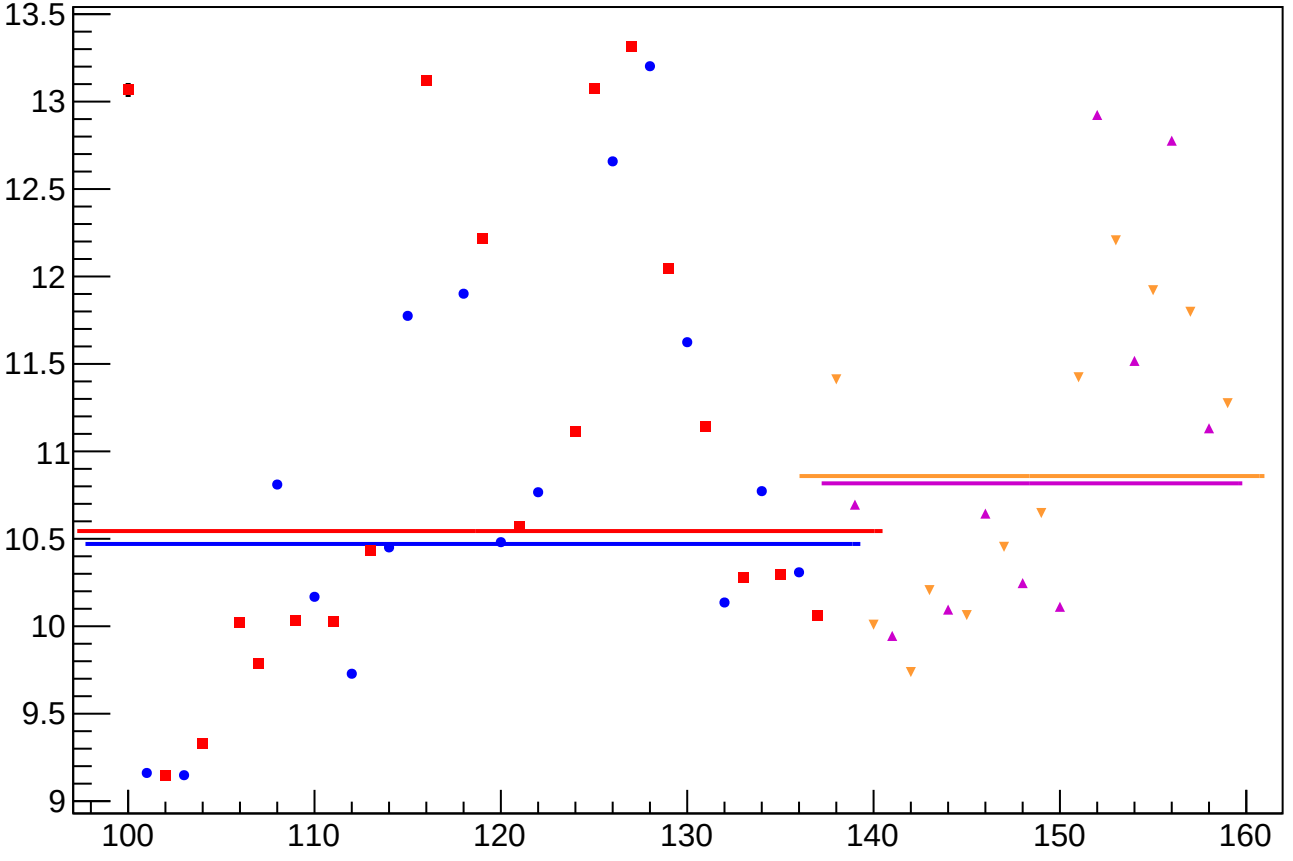
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.871+/-2.701 χ^2/NDF:27.5/25

Out: 3.763+/-2.631 χ^2/NDF:35.8/30

All: -1.414+/-1.885 χ^2/NDF: 71.3/56

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: 10.859+/-0.003 χ^2/NDF:95869.0/11

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

Left: 10.839+/-0.002 χ^2/NDF: 223208.8/21

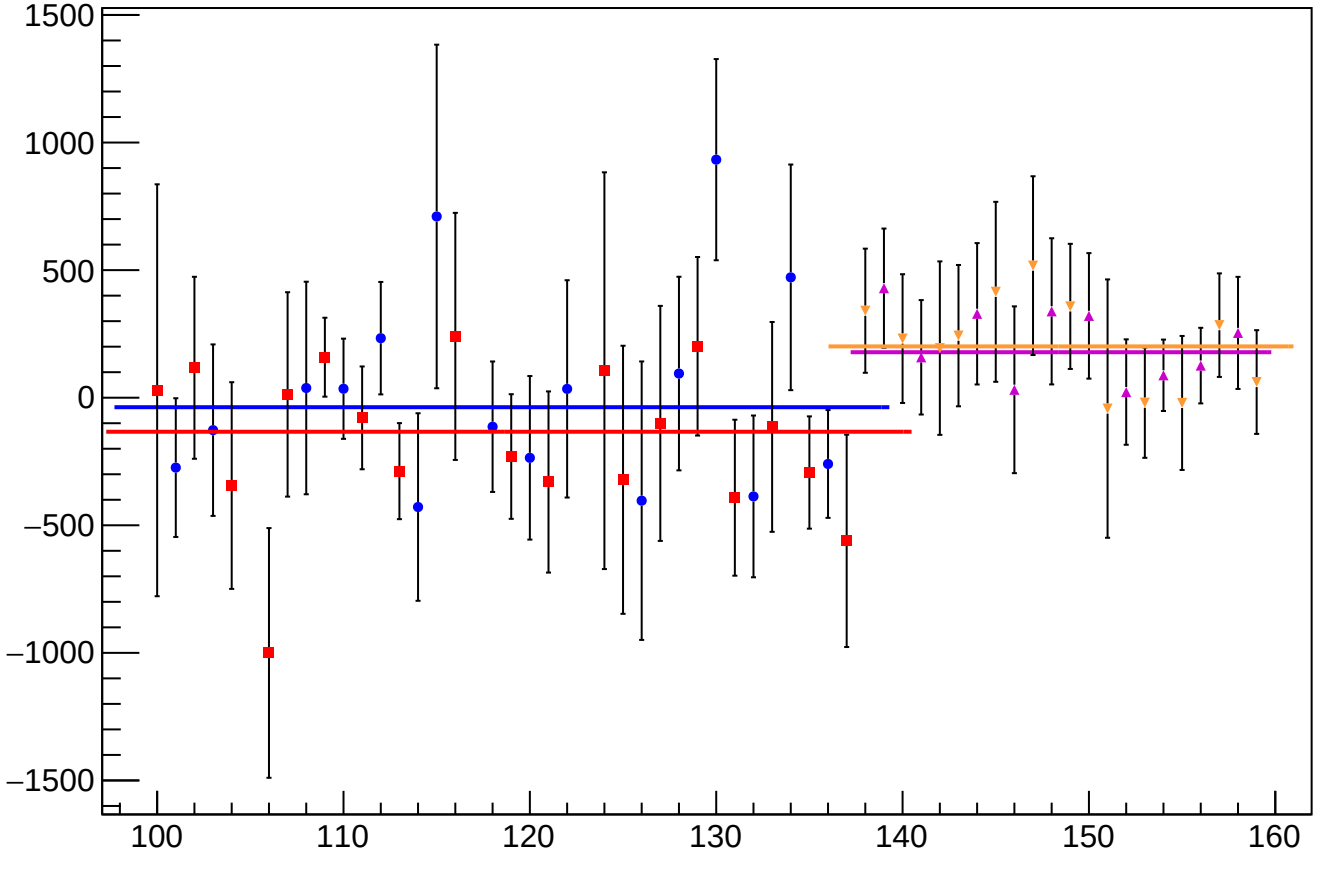
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.654+/-0.002 χ^2/NDF:292776.6/25

Out: 10.716+/-0.002 χ^2/NDF:289736.1/30

All: 10.686+/-0.001 χ^2/NDF: 583046.0/56

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: 201.041+/-75.496 χ^2/NDF:4.6/11

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 178.273+/-65.920 χ^2/NDF:3.5/9

Left: 188.122+/-49.655 χ^2/NDF: 8.2/21

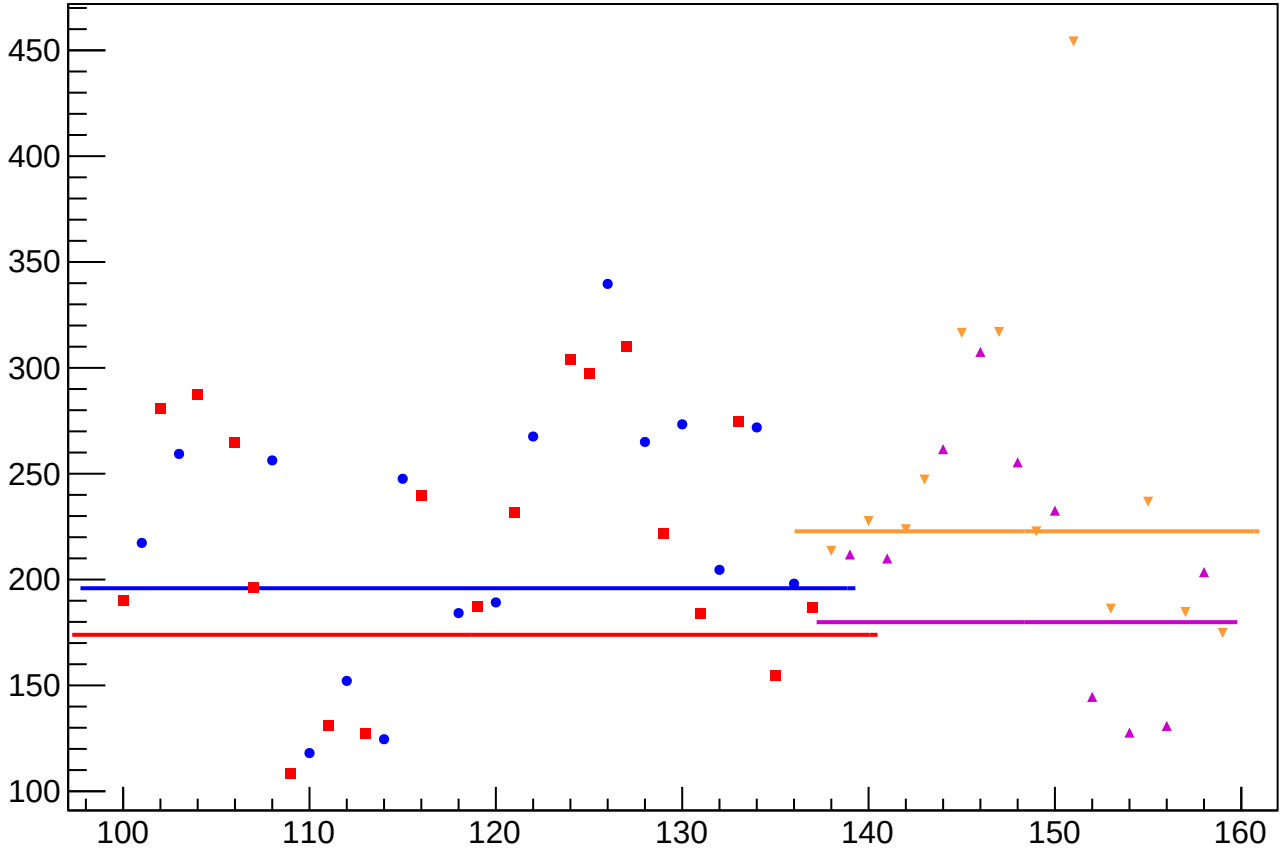
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 87.008+/-50.052 χ^2/NDF:23.7/25

Out: 18.549+/-50.886 χ^2/NDF:28.2/30

All: 53.344+/-35.684 χ^2/NDF: 52.8/56

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: 222.796+/-0.053 χ^2/NDF:967878.9/11

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

Left: 198.448+/-0.035 χ^2/NDF: 2696289.3/21

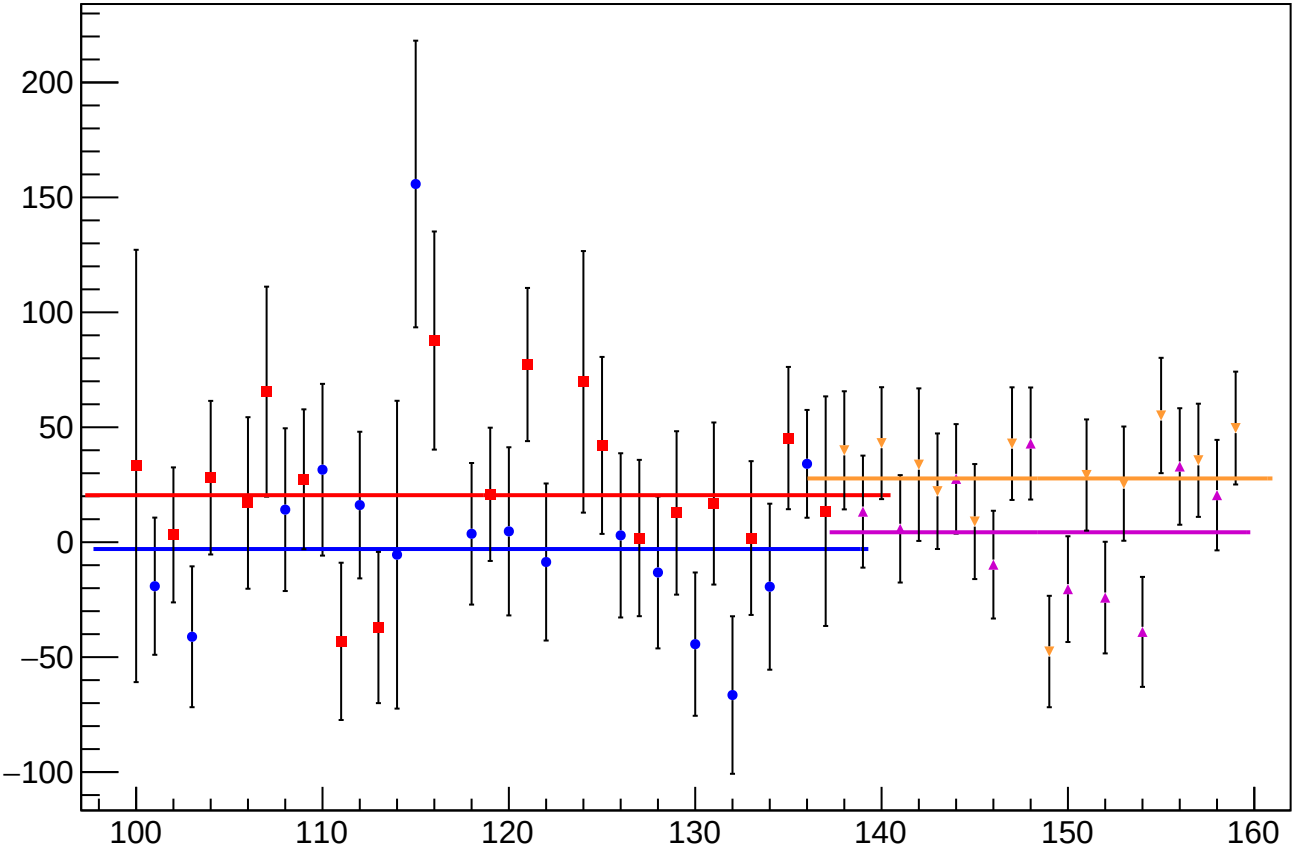
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 186.666+/-0.035 χ^2/NDF:2422782.3/25

Out: 196.115+/-0.036 χ^2/NDF:3025260.5/30

All: 191.313+/-0.025 χ^2/NDF: 5483088.7/56

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: 27.735+/-7.276 χ^2/NDF:13.4/11

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 4.324+/-7.580 χ^2/NDF:11.5/9

Left: 16.508+/-5.249 χ^2/NDF: 29.9/21

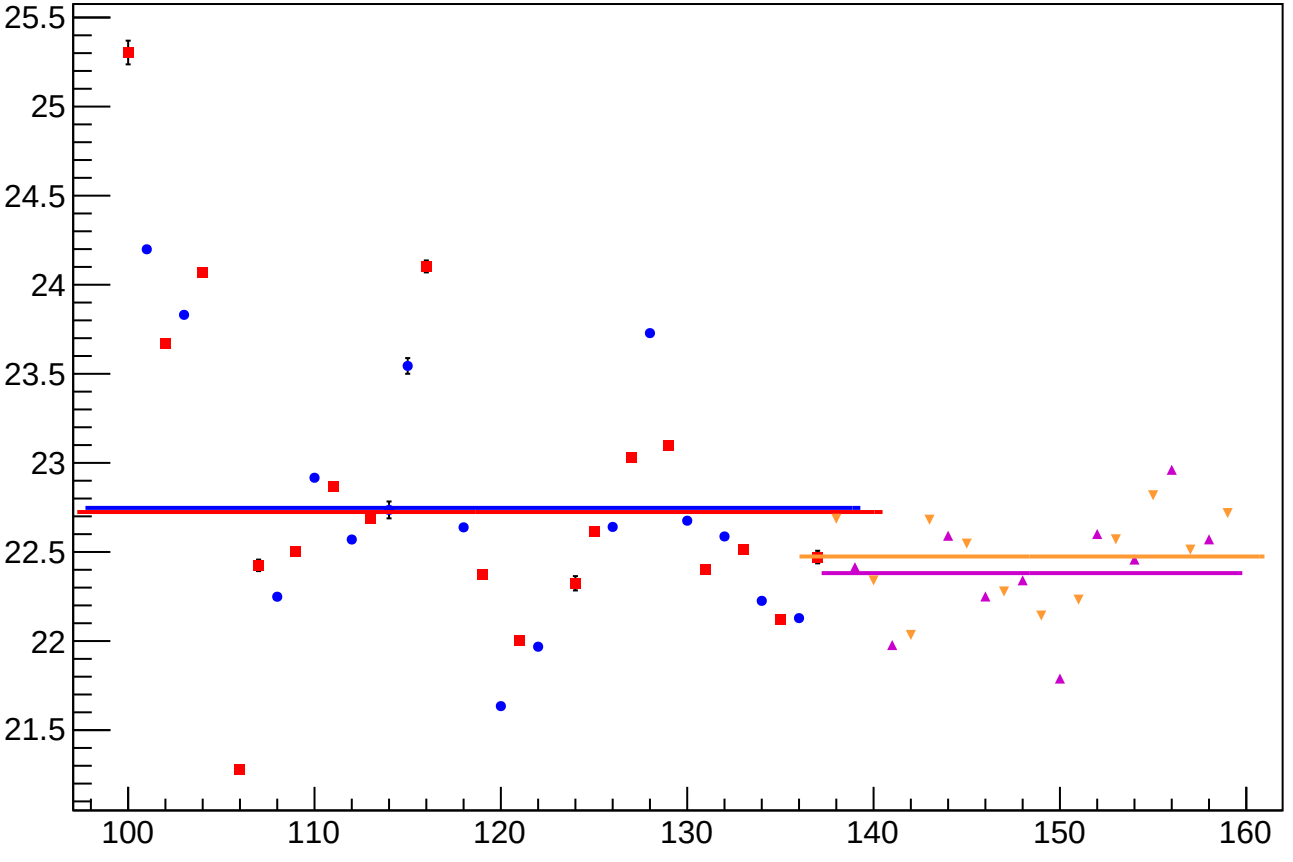
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 1.075+/-5.644 χ^2/NDF:29.8/25

Out: 24.569+/-5.469 χ^2/NDF:29.1/30

All: 13.191+/-3.928 χ^2/NDF: 67.9/56

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: 22.475+/-0.005 χ^2/NDF:2011.1/11

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

Left: 22.430+/-0.004 χ^2/NDF: 5672.3/21

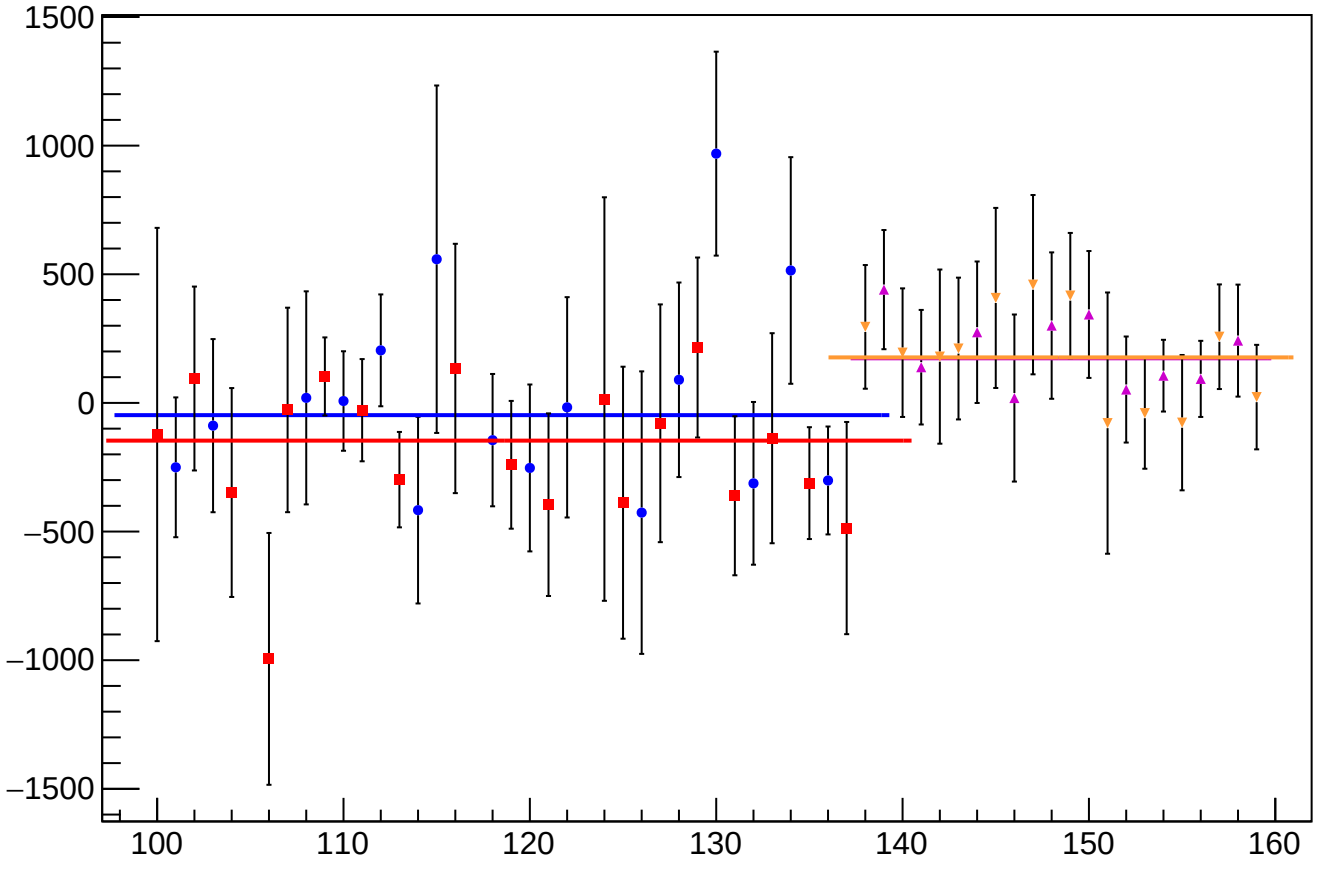
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.544+/-0.004 χ^2/NDF:20206.1/25

Out: 22.583+/-0.004 χ^2/NDF:17526.1/30

All: 22.564+/-0.003 χ^2/NDF: 37780.7/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 176.871+/-75.236 χ^2/NDF:5.3/11

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 173.324+/-65.634 χ^2/NDF:3.4/9

Left: 174.857+/-49.459 χ^2/NDF: 8.6/21

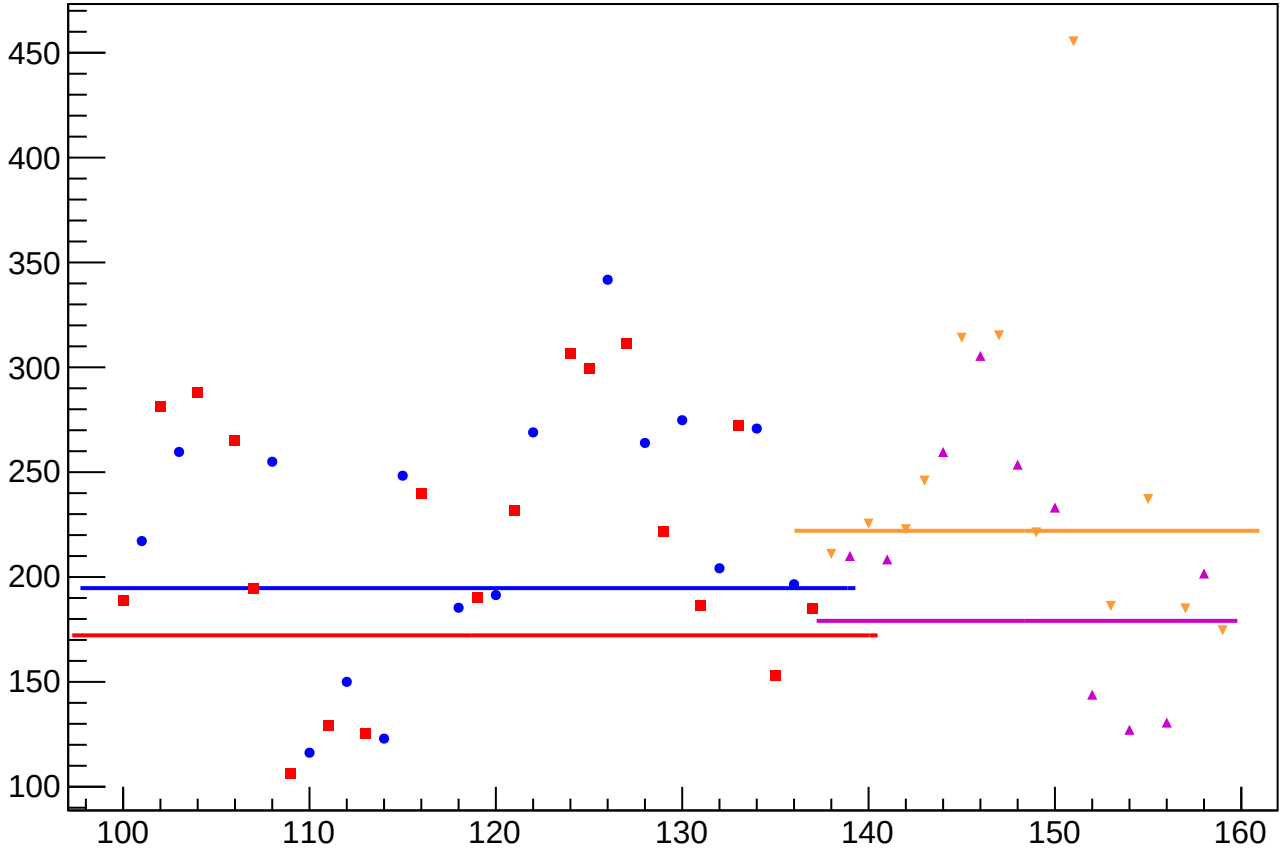
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 79.787+/-49.832 χ^2/NDF:23.6/25

Out: -0.214+/-50.610 χ^2/NDF:26.9/30

All: 40.405+/-35.508 χ^2/NDF: 51.8/56

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: 222.048+/-0.053 χ^2/NDF:960698.5/11

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

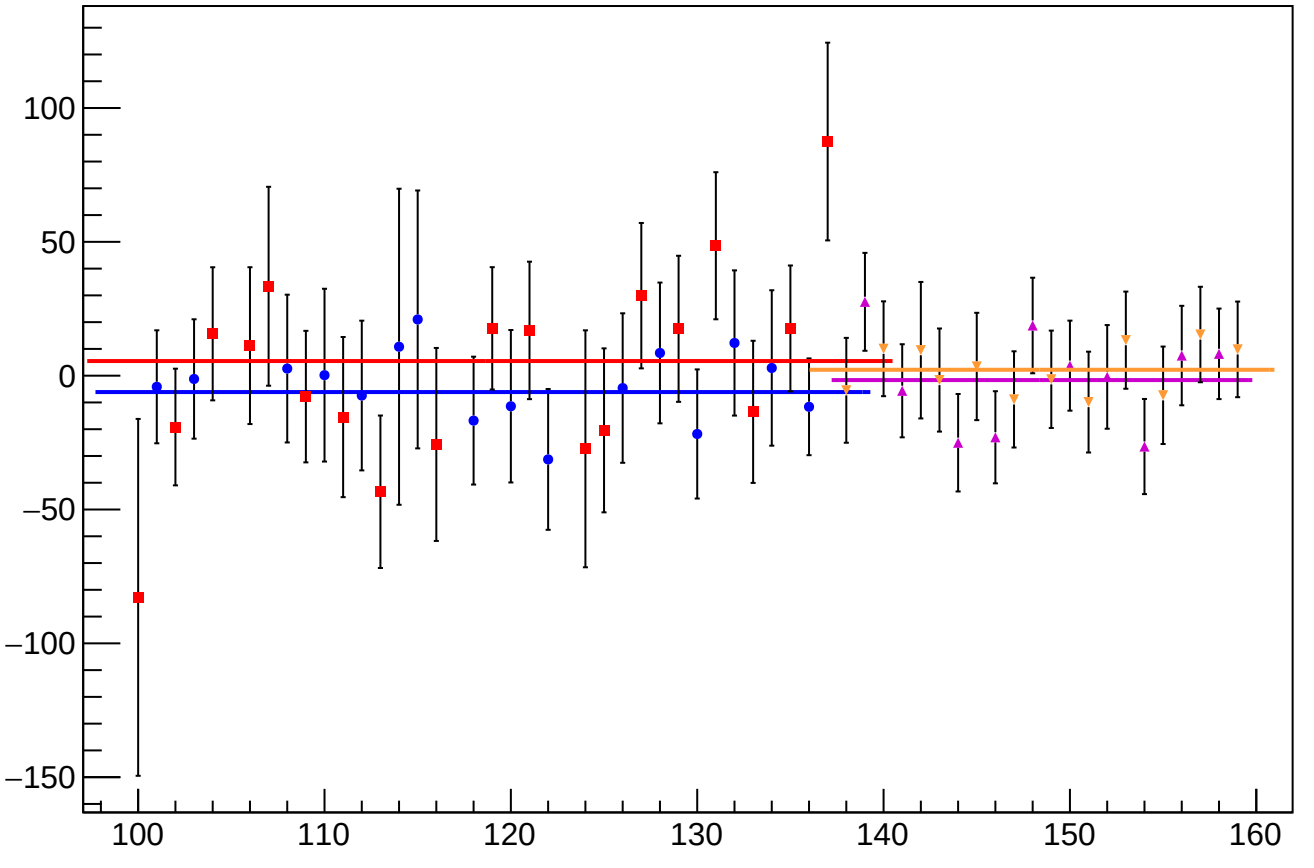
Left: 197.665+/-0.035 χ^2/NDF: 2681018.1/21

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.715+/-0.035 χ^2/NDF:2450511.3/25

Out: 194.749+/-0.036 χ^2/NDF:3112722.9/30

All: 190.162+/-0.025 χ^2/NDF: 5595588.3/56



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.210+/-5.441 χ^2/NDF:2.7/11

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -1.644+/-5.627 χ^2/NDF:9.7/9

Left: 0.348+/-3.911 χ^2/NDF: 12.7/21

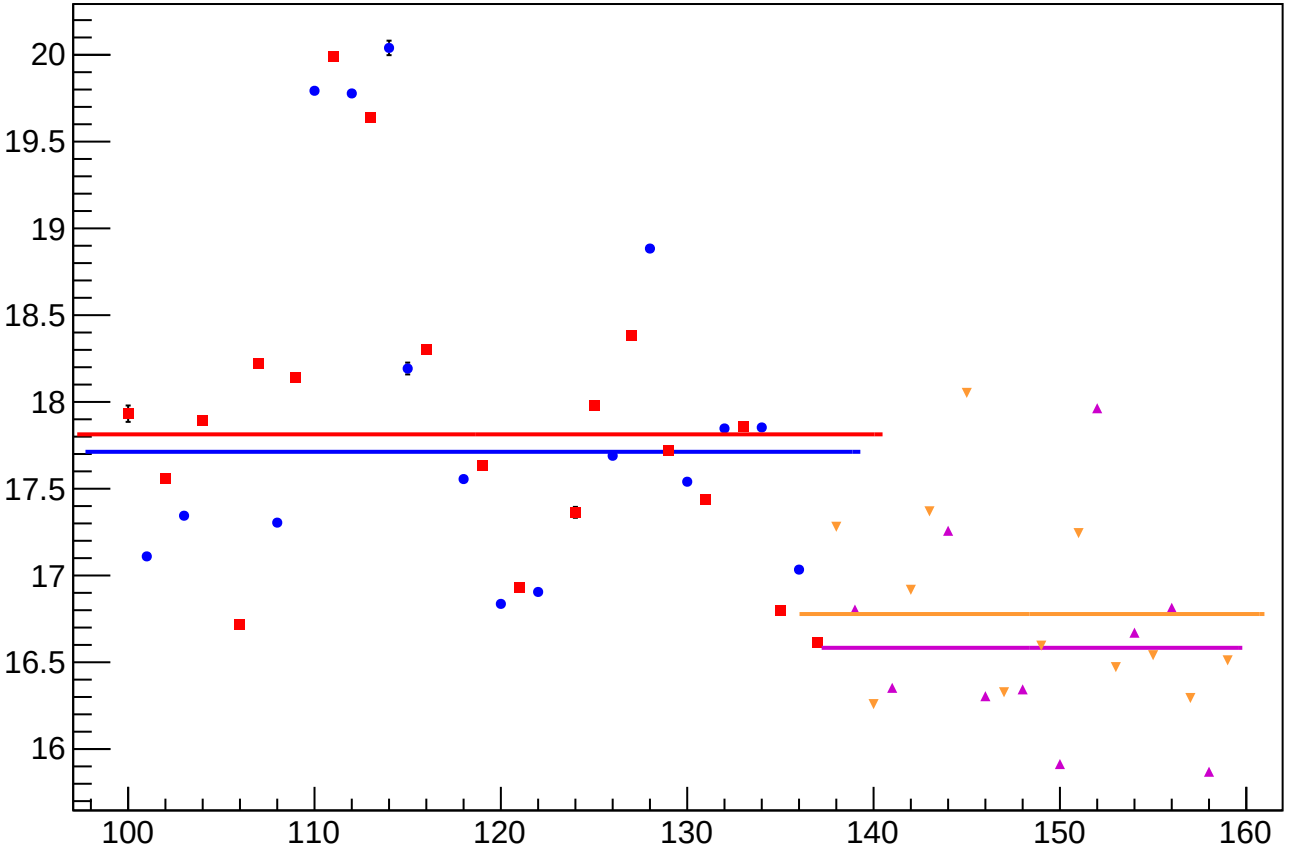
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -3.530+/-4.280 χ^2/NDF:13.1/25

Out: 3.551+/-4.174 χ^2/NDF:22.0/30

All: 0.099+/-2.988 χ^2/NDF: 36.6/56

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: 16.778+/-0.004 χ^2/NDF:18572.7/11

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

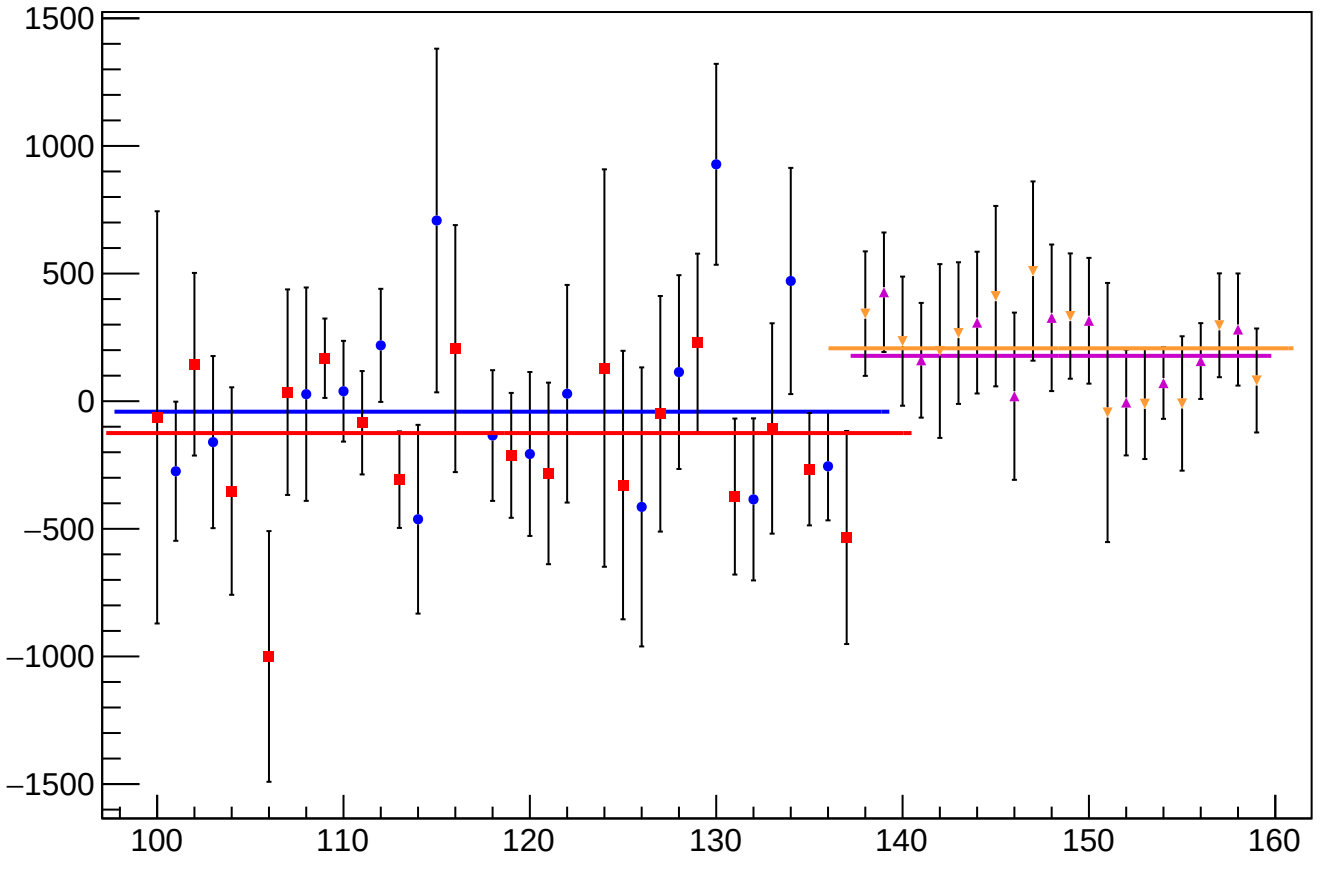
Left: 16.684+/-0.003 χ^2/NDF: 41333.9/21

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.059+/-0.003 χ^2/NDF:91466.5/25

Out: 17.204+/-0.003 χ^2/NDF:81071.6/30

All: 17.133+/-0.002 χ^2/NDF: 173707.4/56



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 207.252+/-75.668 χ^2/NDF:4.2/11

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 177.698+/-66.045 χ^2/NDF:3.8/9

Left: 190.477+/-49.758 χ^2/NDF: 8.1/21

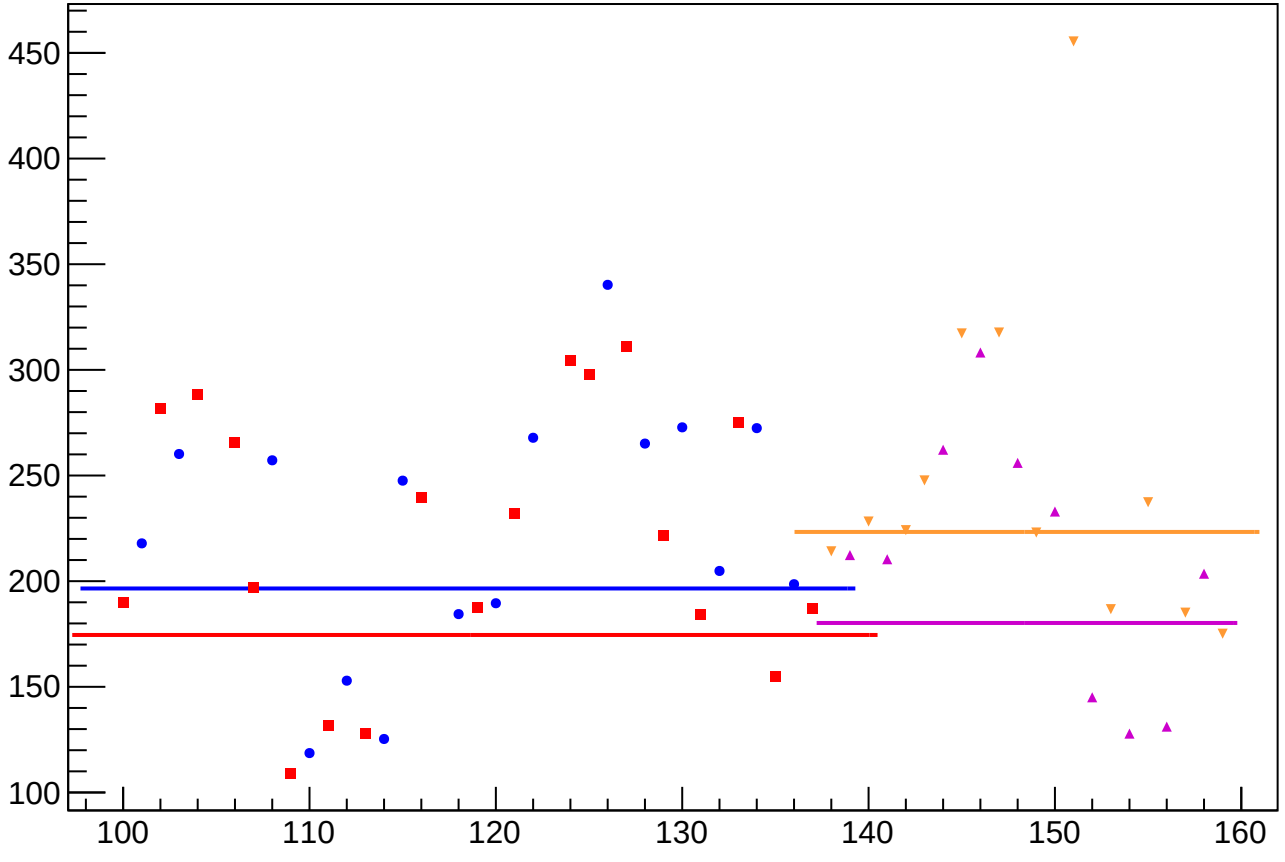
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 85.144+/-50.169 χ^2/NDF:24.0/25

Out: 26.173+/-51.029 χ^2/NDF:27.6/30

All: 56.159+/-35.775 χ^2/NDF: 52.3/56

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: 223.303+/-0.054 χ^2/NDF:967984.0/11

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

Left: 198.850+/-0.035 χ^2/NDF: 2698052.6/21

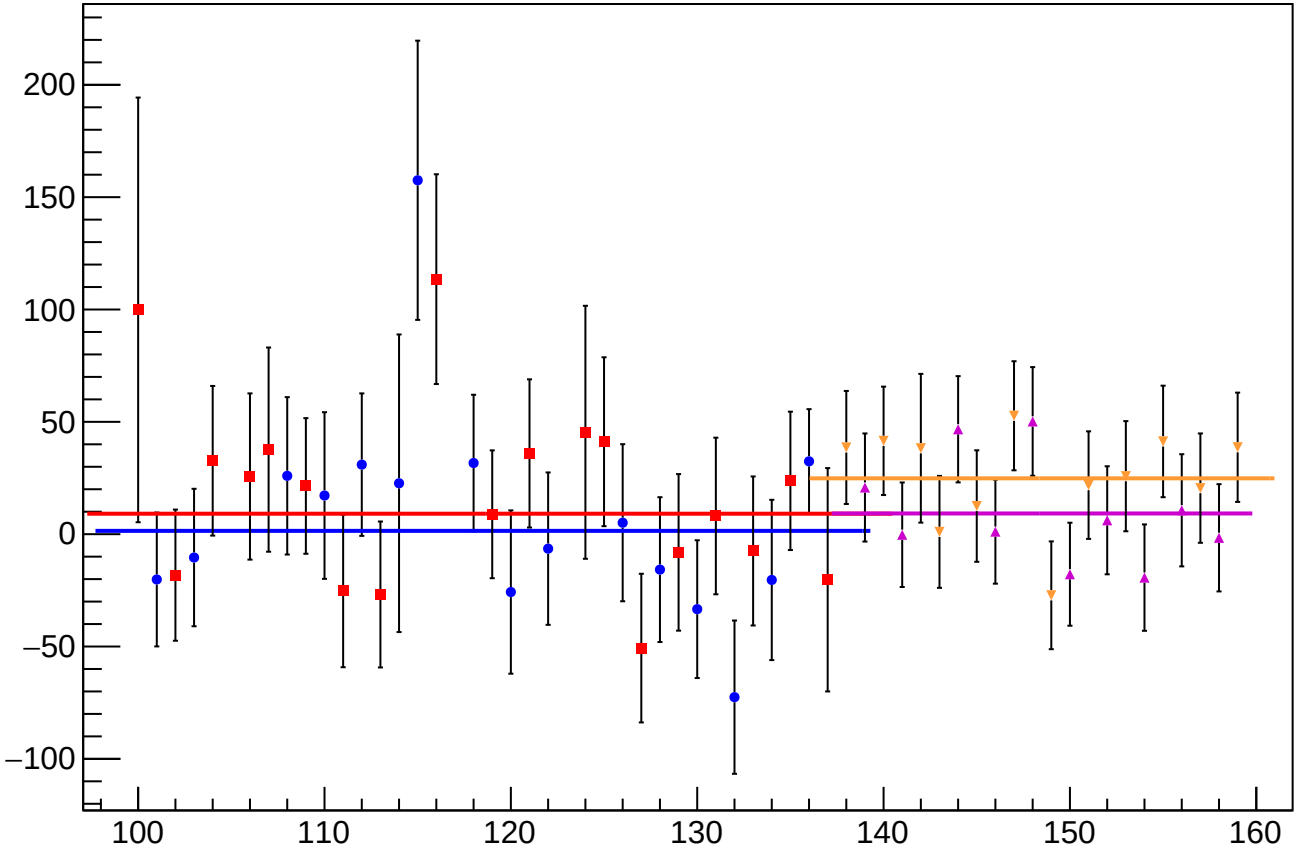
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 187.125+/-0.035 χ^2/NDF:2414521.0/25

Out: 196.717+/-0.036 χ^2/NDF:3009559.3/30

All: 191.839+/-0.025 χ^2/NDF: 5460012.0/56

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.856+/-7.199 χ^2/NDF:8.9/11

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 9.222+/-7.513 χ^2/NDF:9.0/9

Left: 17.372+/-5.198 χ^2/NDF: 20.2/21

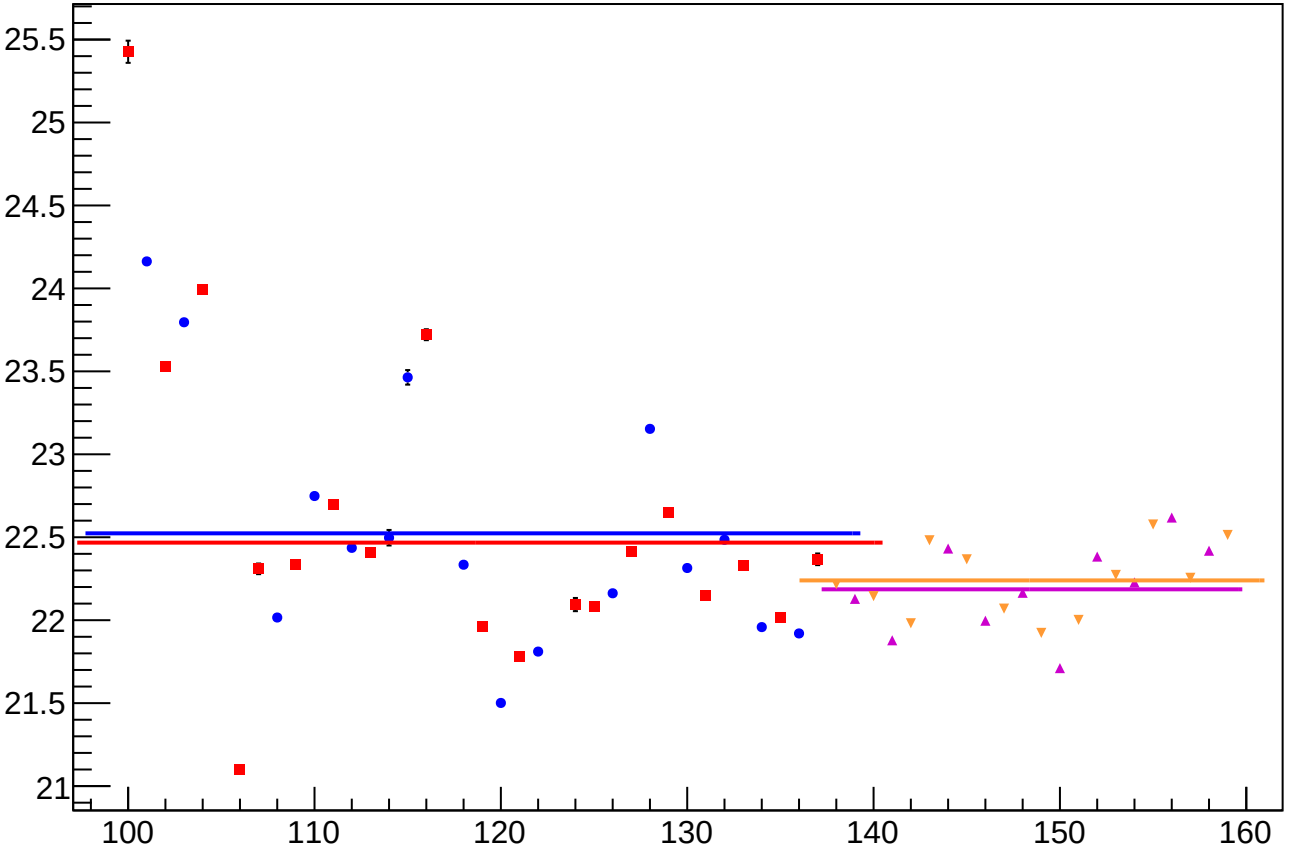
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.765+/-5.591 χ^2/NDF:28.1/25

Out: 18.001+/-5.409 χ^2/NDF:27.5/30

All: 12.085+/-3.888 χ^2/NDF: 58.1/56

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: 22.240+/-0.005 χ^2/NDF:1666.8/11

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

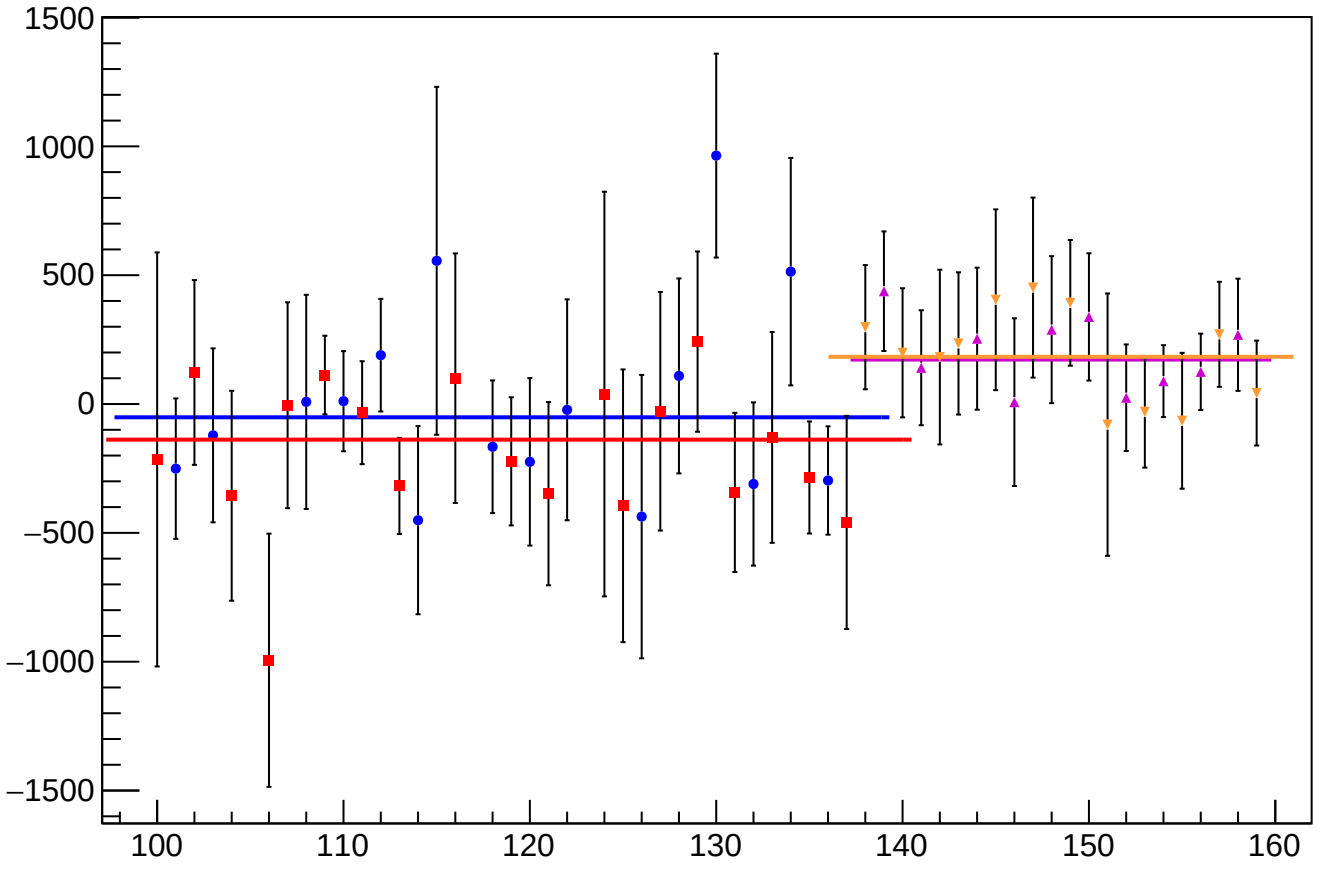
Left: 22.214+/-0.004 χ^2/NDF: 4222.5/21

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.337+/-0.004 χ^2/NDF:20250.9/25

Out: 22.339+/-0.004 χ^2/NDF:18164.7/30

All: 22.338+/-0.003 χ^2/NDF: 38415.8/56



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 183.209+/-75.408 χ^2/NDF:4.8/11

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 172.680+/-65.759 χ^2/NDF:3.5/9

Left: 177.229+/-49.561 χ^2/NDF: 8.2/21

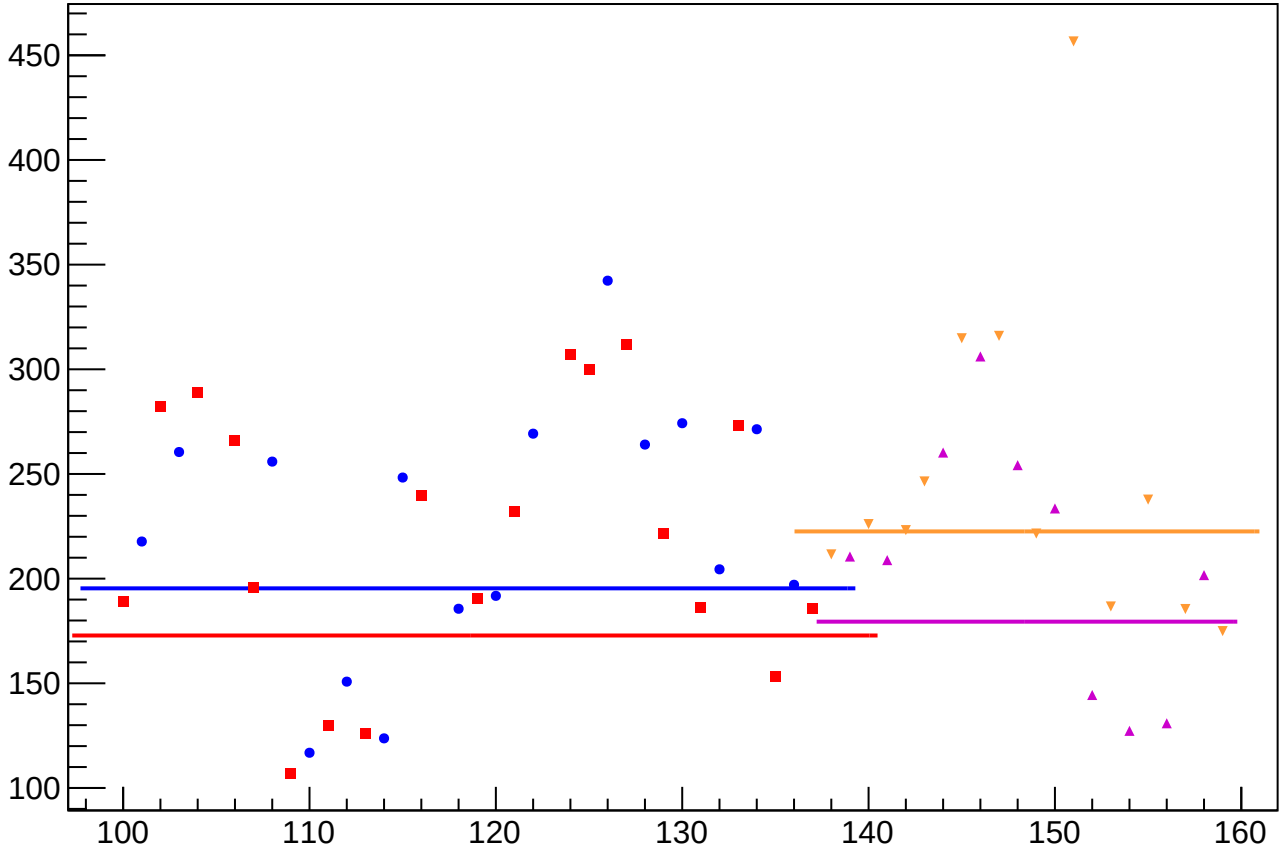
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 77.850+/-49.950 χ^2/NDF:23.7/25

Out: 7.409+/-50.754 χ^2/NDF:26.3/30

All: 43.192+/-35.601 χ^2/NDF: 51.0/56

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: 222.555+/-0.053 χ^2/NDF:960831.7/11

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

Left: 198.066+/-0.035 χ^2/NDF: 2682950.7/21

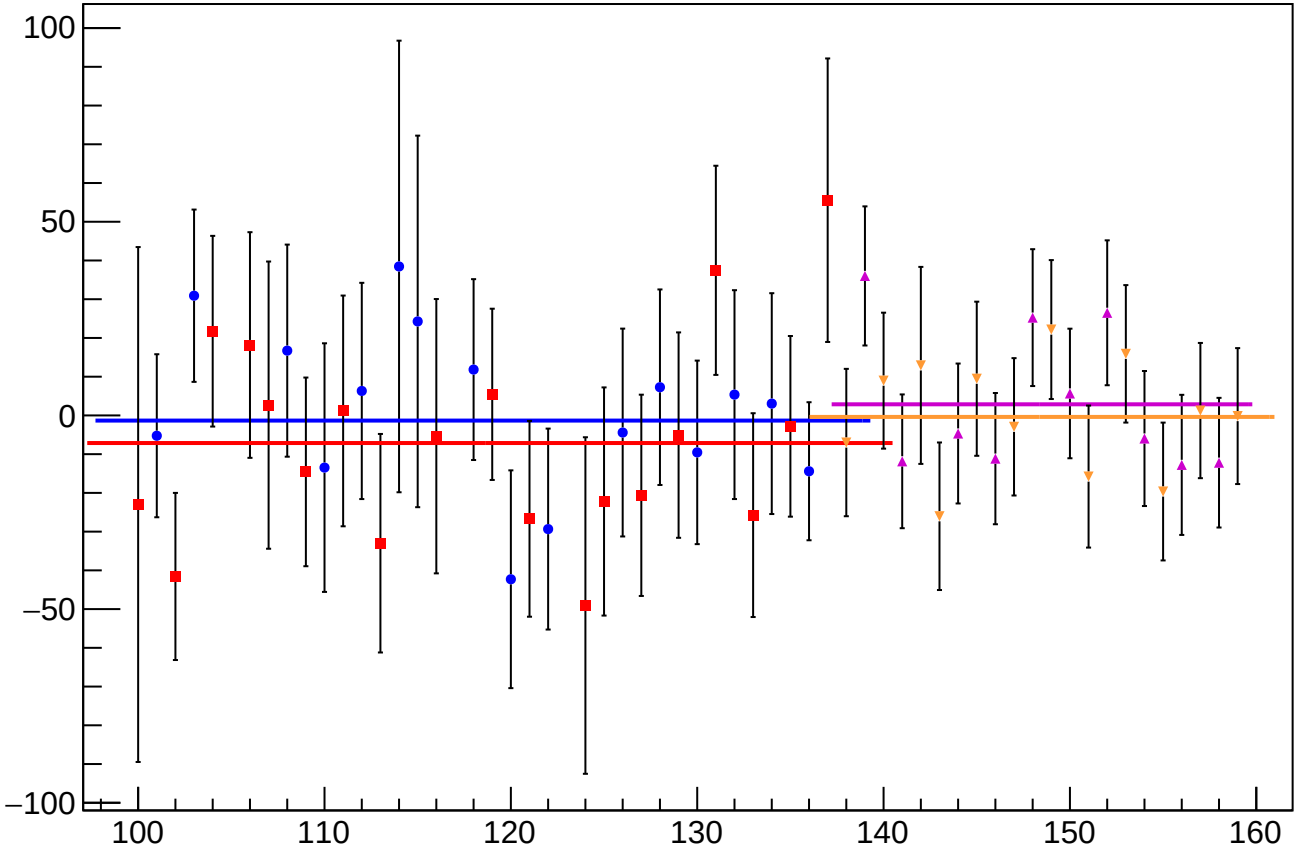
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 186.177+/-0.035 χ^2/NDF:2441802.2/25

Out: 195.360+/-0.036 χ^2/NDF:3095819.1/30

All: 190.695+/-0.025 χ^2/NDF: 5570875.4/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.386+/-5.348 χ^2/NDF:7.1/11

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 2.870+/-5.542 χ^2/NDF:10.0/9

Left: 1.184+/-3.848 χ^2/NDF: 17.3/21

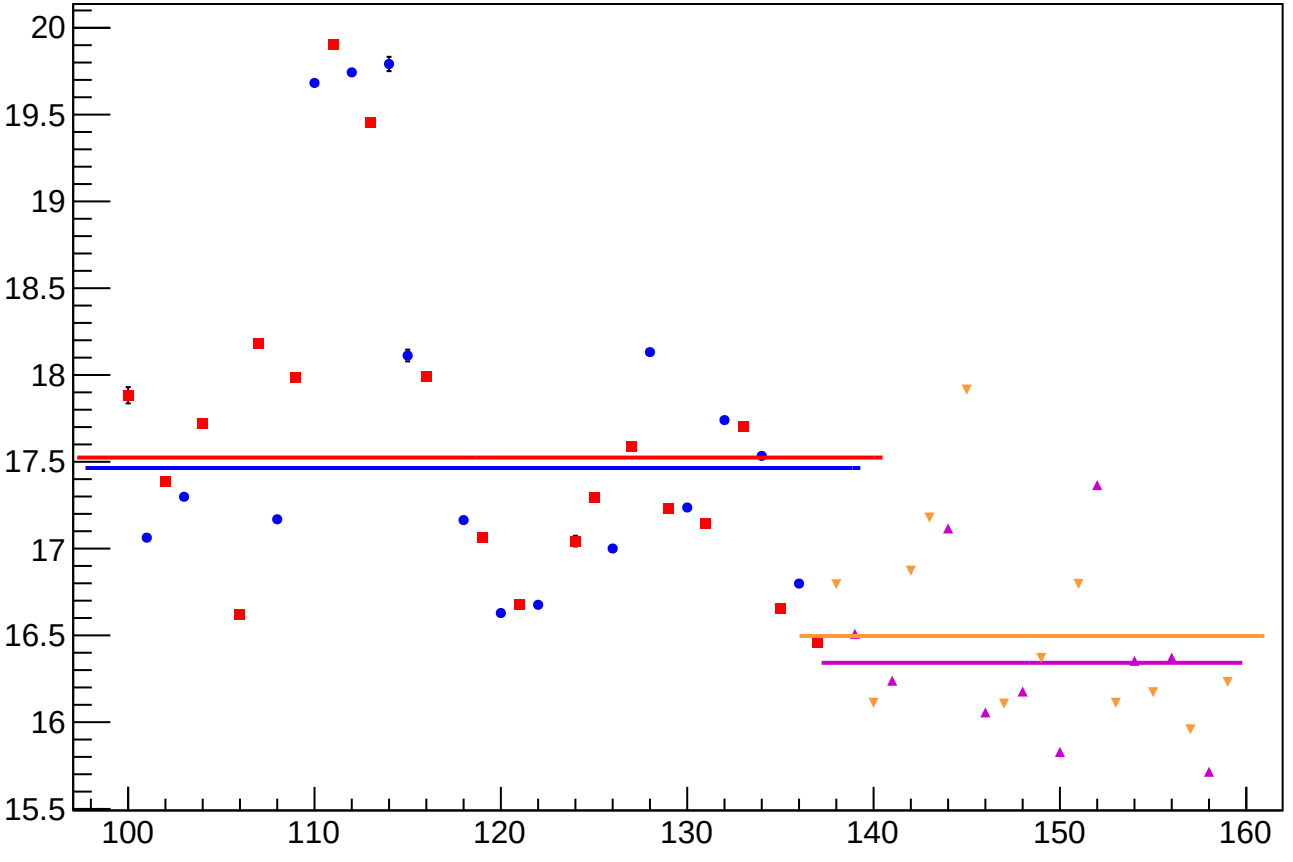
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.101+/-4.217 χ^2/NDF:18.3/25

Out: -3.156+/-4.104 χ^2/NDF:22.1/30

All: -1.085+/-2.941 χ^2/NDF: 41.0/56

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: 16.497+/-0.004 χ^2/NDF:20190.8/11

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

Left: 16.422+/-0.003 χ^2/NDF: 36356.0/21

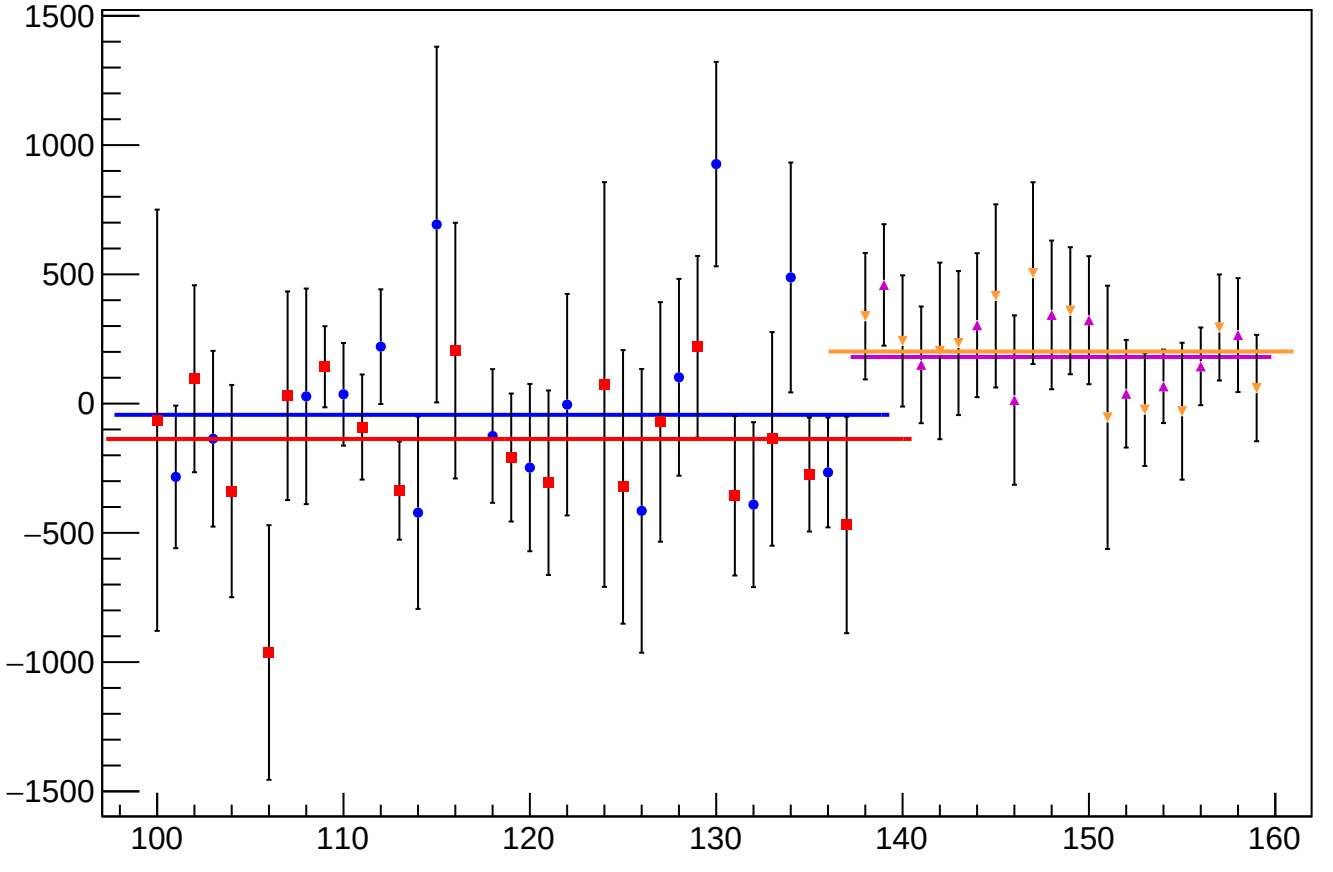
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.814+/-0.003 χ^2/NDF:86535.1/25

Out: 16.919+/-0.003 χ^2/NDF:85272.5/30

All: 16.868+/-0.002 χ^2/NDF: 172438.5/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 201.601+/-76.063 χ^2/NDF:4.6/11

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 180.387+/-66.540 χ^2/NDF:3.8/9

Left: 189.583+/-50.081 χ^2/NDF: 8.5/21

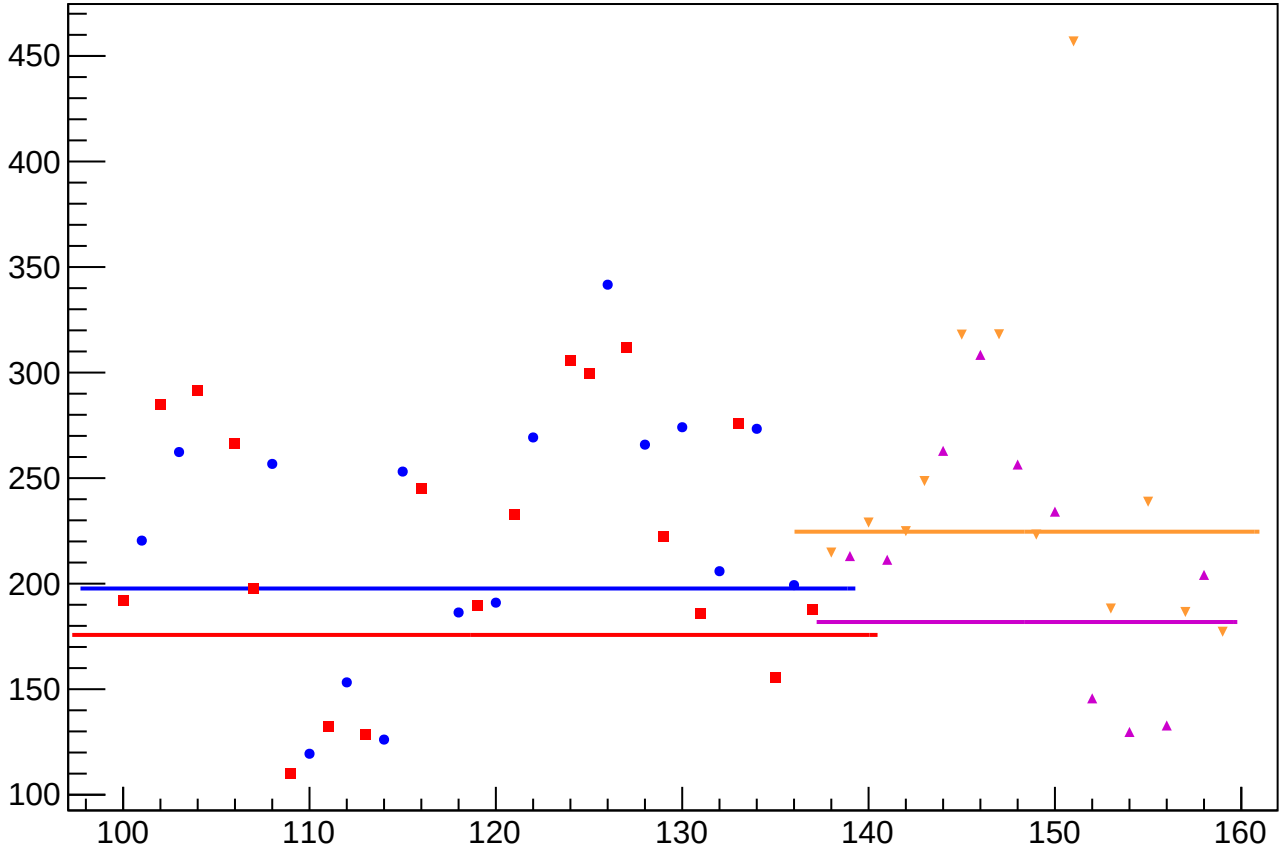
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 85.549+/-50.508 χ^2/NDF:24.1/25

Out: 17.322+/-51.330 χ^2/NDF:26.9/30

All: 51.986+/-36.002 χ^2/NDF: 51.9/56

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: 224.621+/-0.054 χ^2/NDF:951426.6/11

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

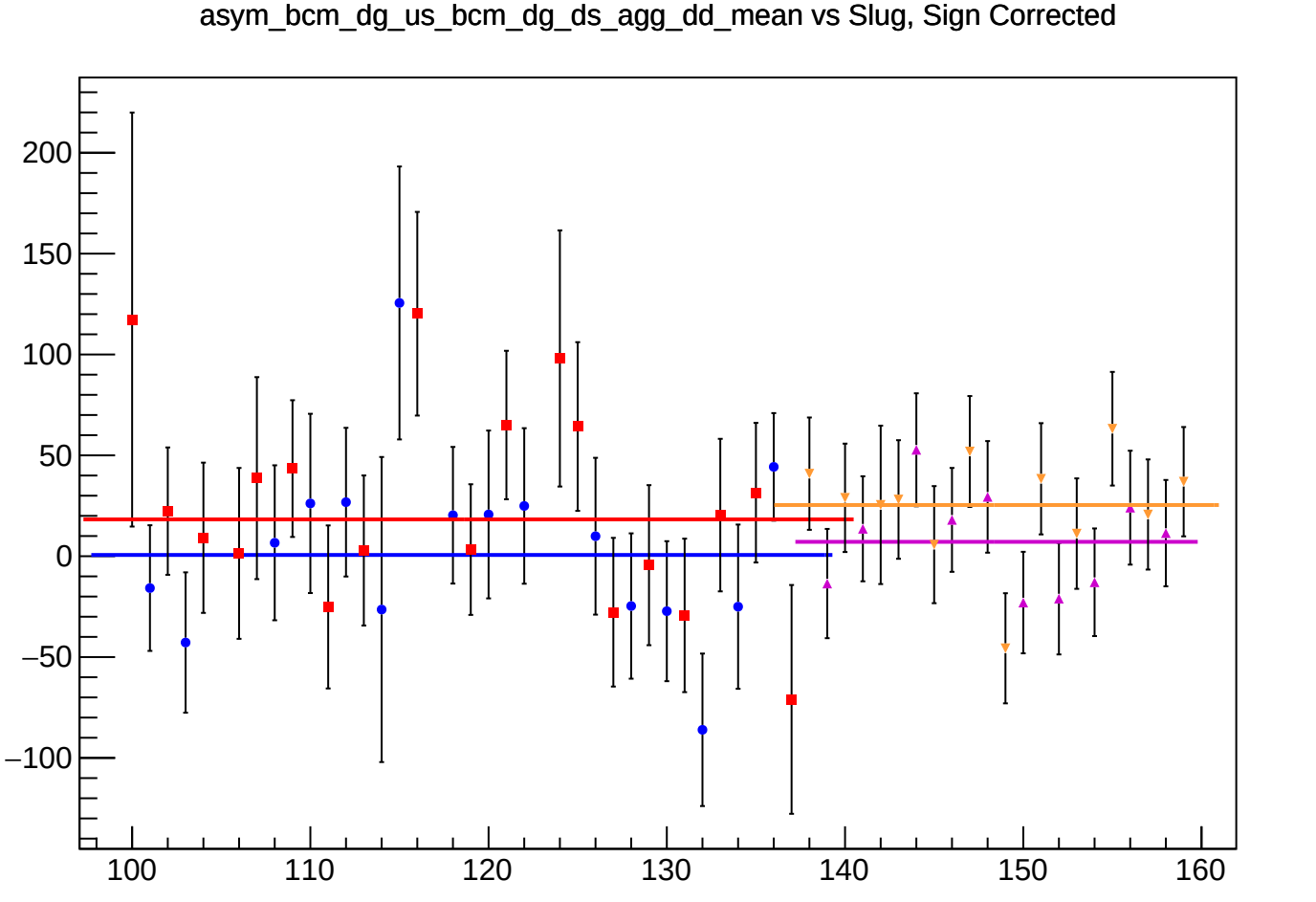
Left: 200.380+/-0.035 χ^2/NDF: 2633671.4/21

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

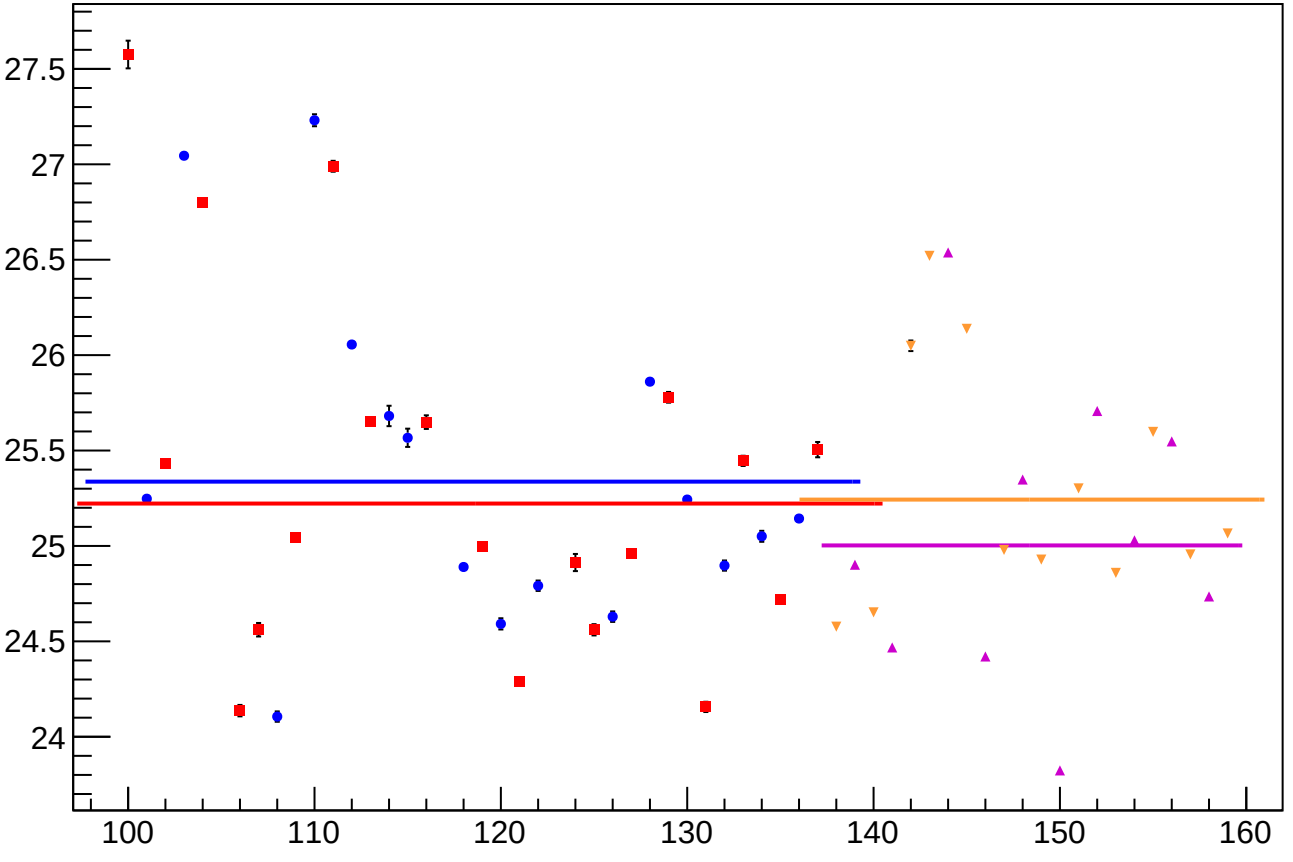
In: 188.559+/-0.036 χ^2/NDF:2372256.0/25

Out: 197.987+/-0.036 χ^2/NDF:2992245.3/30

All: 193.197+/-0.025 χ^2/NDF: 5398786.9/56


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 25.379+/-8.180 χ²/NDF:11.0/11
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 7.128+/-8.478 χ²/NDF:7.5/9
Left: 16.581+/-5.886 χ²/NDF: 20.9/21
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 4.216+/-6.302 χ²/NDF:24.5/25
Out: 22.234+/-6.115 χ²/NDF:29.3/30
All: 13.496+/-4.389 χ²/NDF: 58.1/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.243+/-0.006 χ^2/NDF:10110.2/11

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

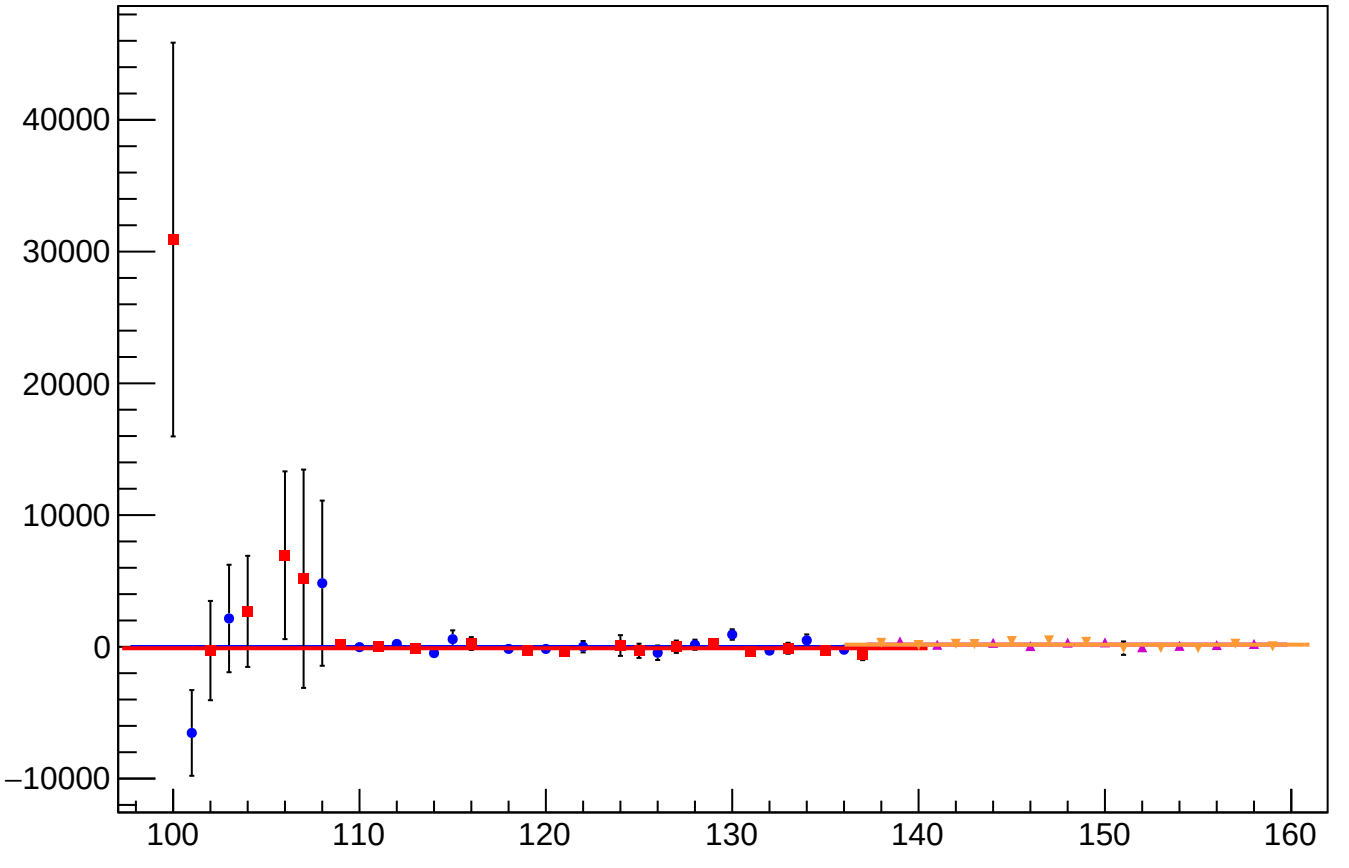
Left: 25.127+/-0.004 χ^2/NDF: 25797.4/21

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.152+/-0.004 χ^2/NDF:30562.3/25

Out: 25.234+/-0.004 χ^2/NDF:25340.3/30

All: 25.194+/-0.003 χ^2/NDF: 56074.7/56



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 164.702+/-77.894 χ^2/NDF:5.3/11

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 172.098+/-67.960 χ^2/NDF:3.5/9

Left: 168.901+/-51.209 χ^2/NDF: 8.8/21

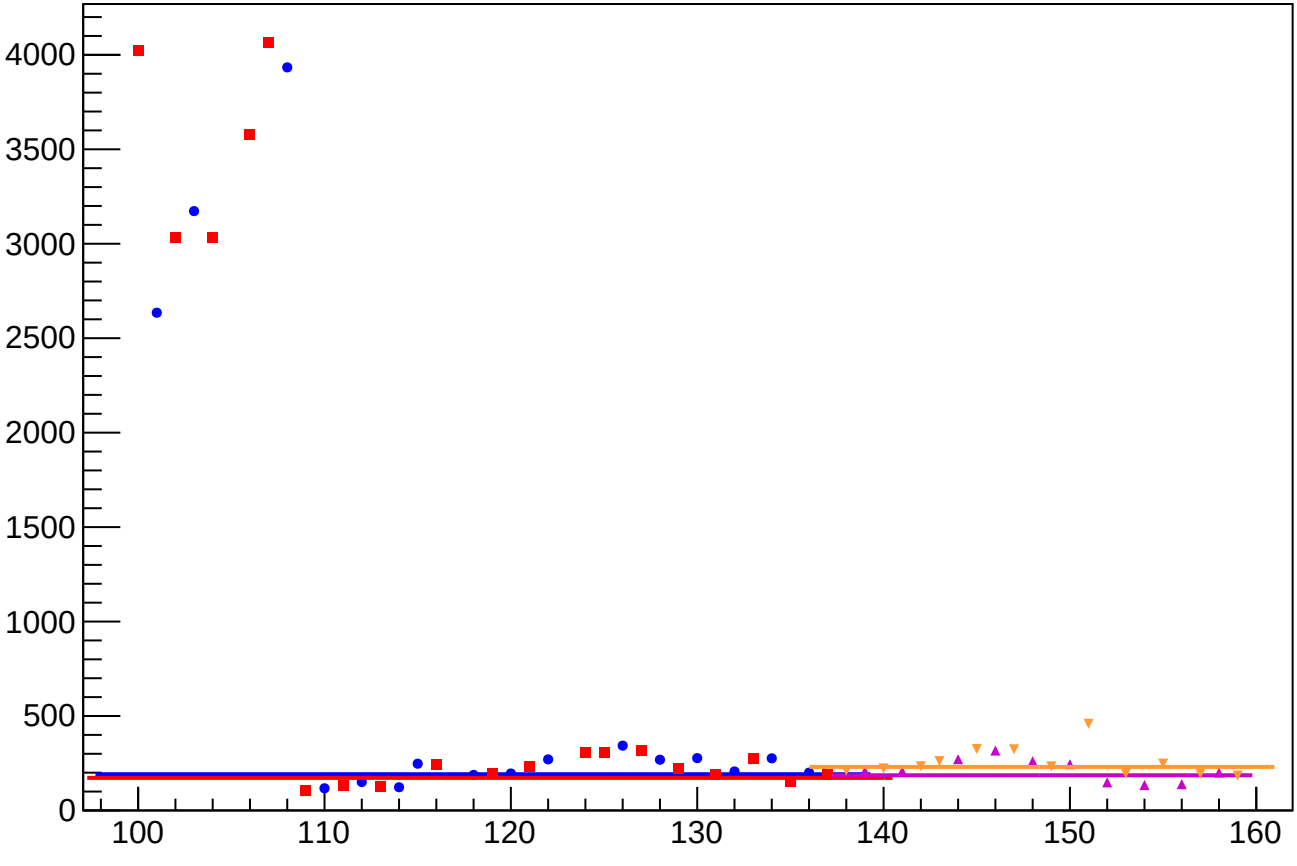
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 98.645+/-53.007 χ^2/NDF:24.8/25

Out: 28.297+/-55.152 χ^2/NDF:25.5/30

All: 64.866+/-38.217 χ^2/NDF: 51.2/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 230.470+/-0.055 χ^2/NDF:917846.5/11

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.296+/-0.048 χ^2/NDF:1240757.5/9

Left: 205.388+/-0.036 χ^2/NDF: 2523819.8/21

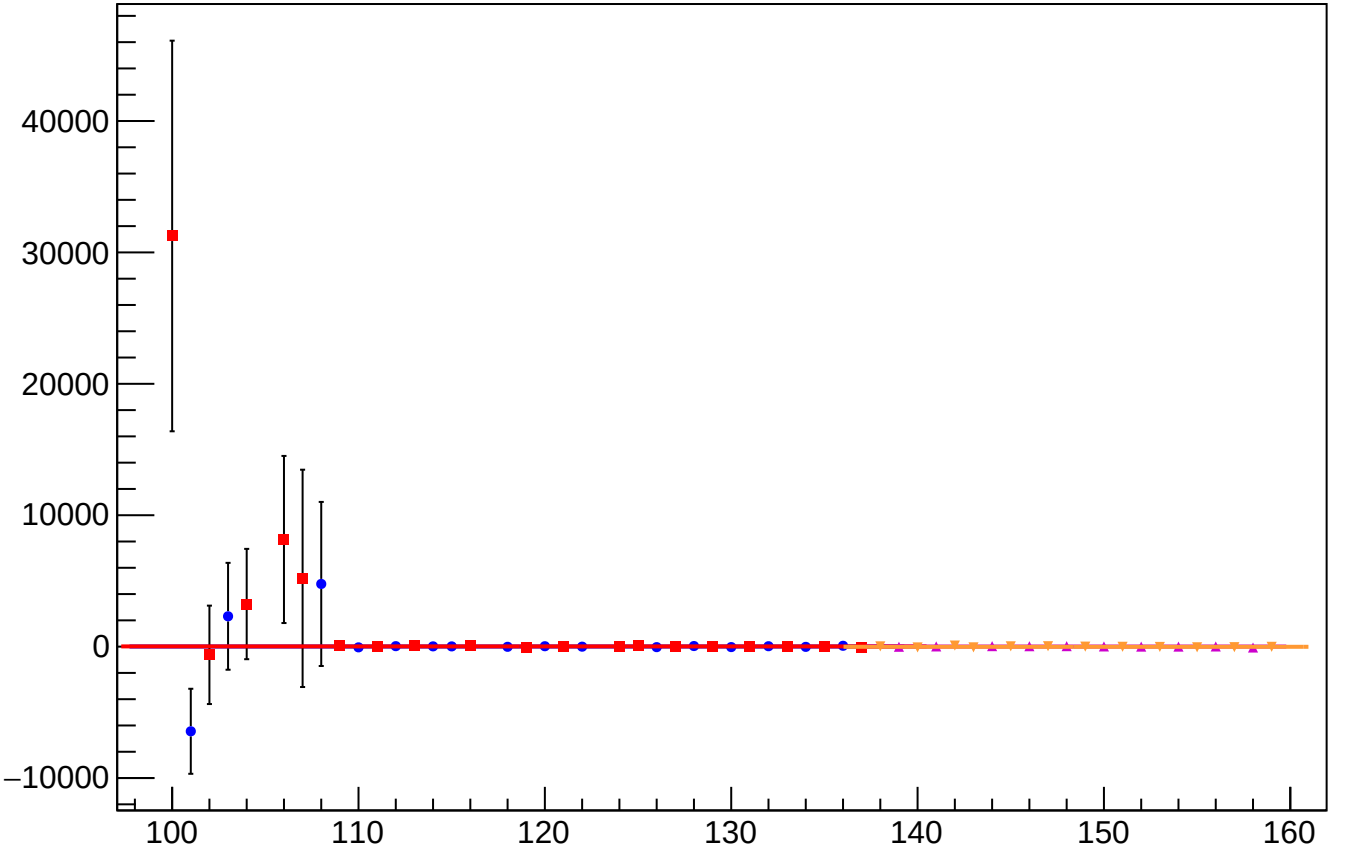
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 188.426+/-0.037 χ^2/NDF:5067580.2/25

Out: 201.542+/-0.039 χ^2/NDF:5774101.5/30

All: 194.724+/-0.027 χ^2/NDF: 10900480.3/56

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: -12.461+/-9.598 χ^2/NDF:14.2/11

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 6.714+/-9.996 χ^2/NDF:9.8/9

Left: -3.263+/-6.923 χ^2/NDF: 25.9/21

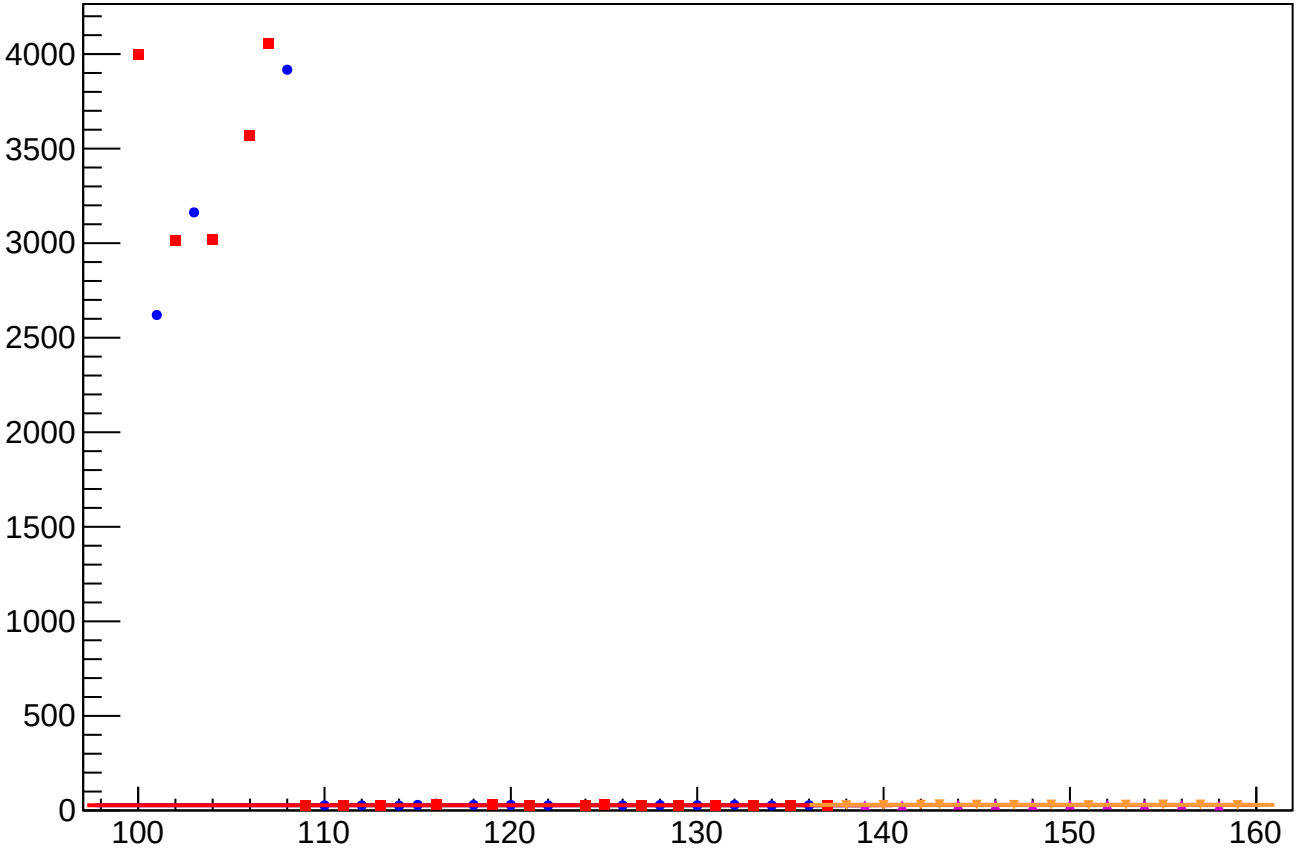
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.924+/-7.596 χ^2/NDF:25.8/25

Out: -0.297+/-7.447 χ^2/NDF:43.0/30

All: 3.732+/-5.318 χ^2/NDF: 69.4/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.557+/-0.007 χ^2/NDF:35603.3/11

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.392+/-0.007 χ^2/NDF:65275.3/9

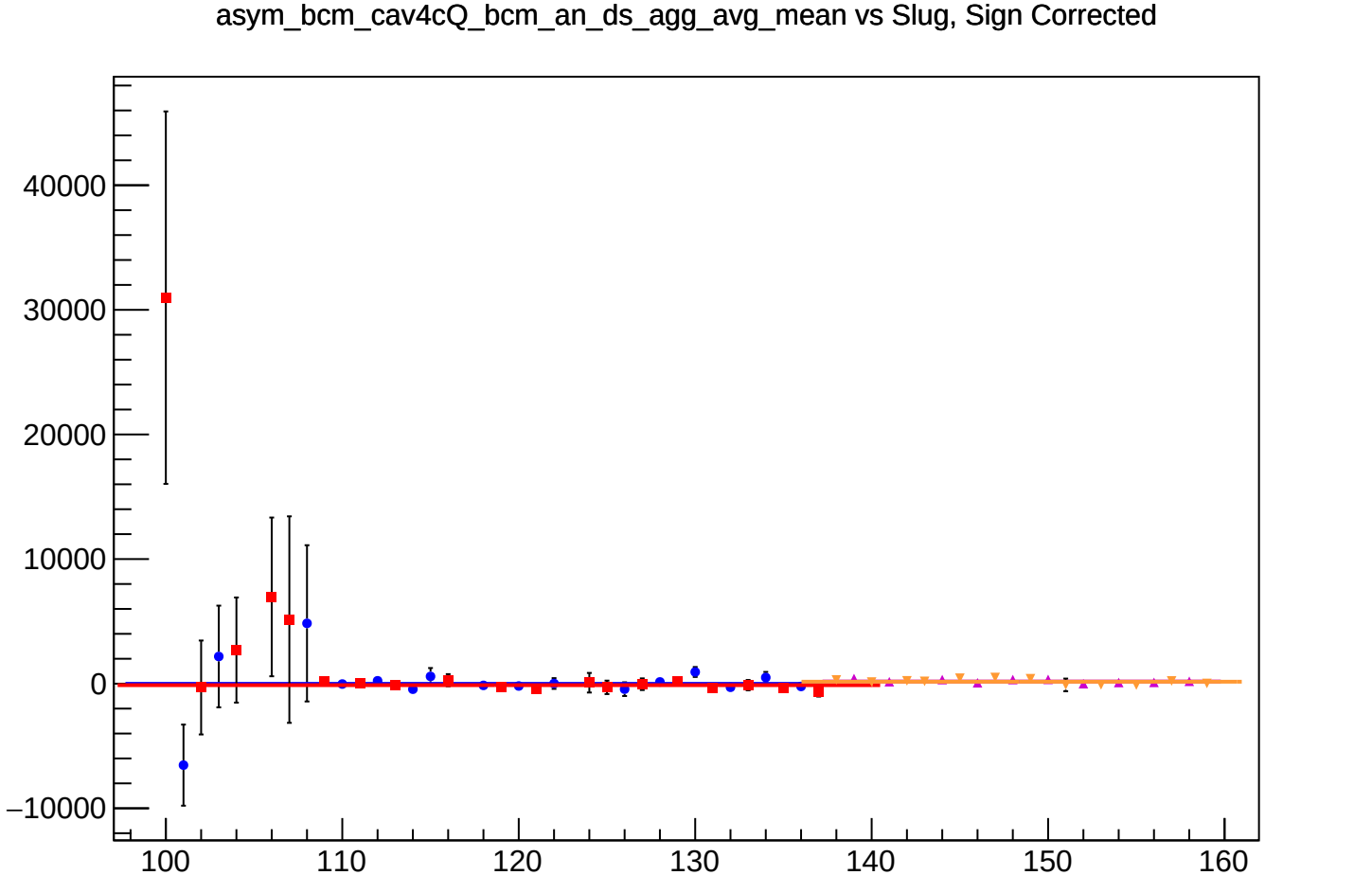
Left: 29.478+/-0.005 χ^2/NDF: 101163.9/21

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.652+/-0.005 χ^2/NDF:3356683.2/25

Out: 28.752+/-0.005 χ^2/NDF:3626181.1/30

All: 28.703+/-0.004 χ^2/NDF: 6983041.4/56



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 158.217+/-77.721 χ^2/NDF:5.8/11

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 172.840+/-67.835 χ^2/NDF:3.4/9

Left: 166.517+/-51.107 χ^2/NDF: 9.2/21

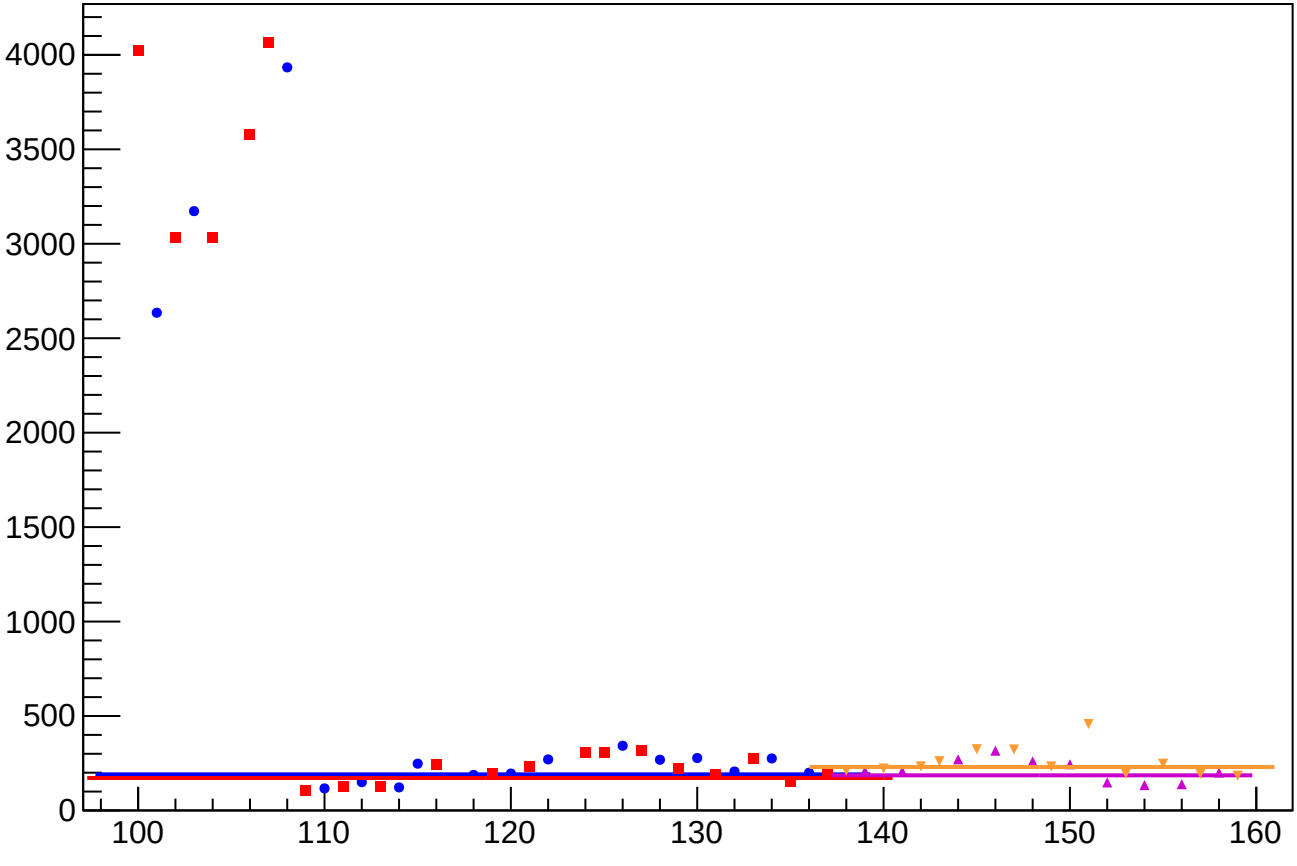
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 99.899+/-52.887 χ^2/NDF:24.7/25

Out: 20.328+/-55.007 χ^2/NDF:26.5/30

All: 61.676+/-38.124 χ^2/NDF: 52.3/56

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: 229.961+/-0.055 χ^2/NDF:917809.1/11

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

Left: 204.984+/-0.036 χ^2/NDF: 2521947.1/21

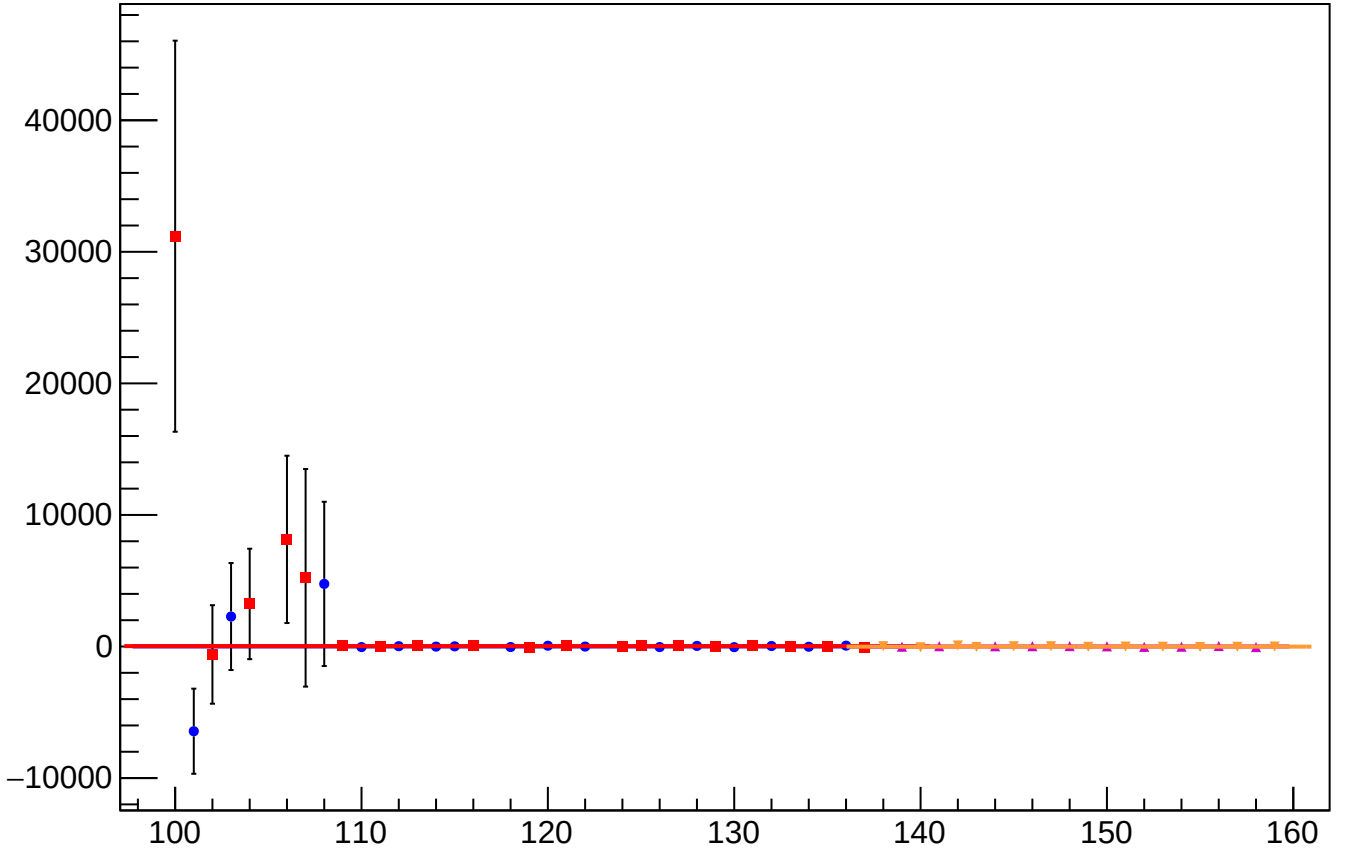
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.963+/-0.037 χ^2/NDF:5078663.6/25

Out: 200.951+/-0.039 χ^2/NDF:5790830.2/30

All: 194.202+/-0.027 χ^2/NDF: 10927434.0/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.093+/-9.673 χ^2/NDF:10.3/11

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 3.734+/-10.054 χ^2/NDF:7.1/9

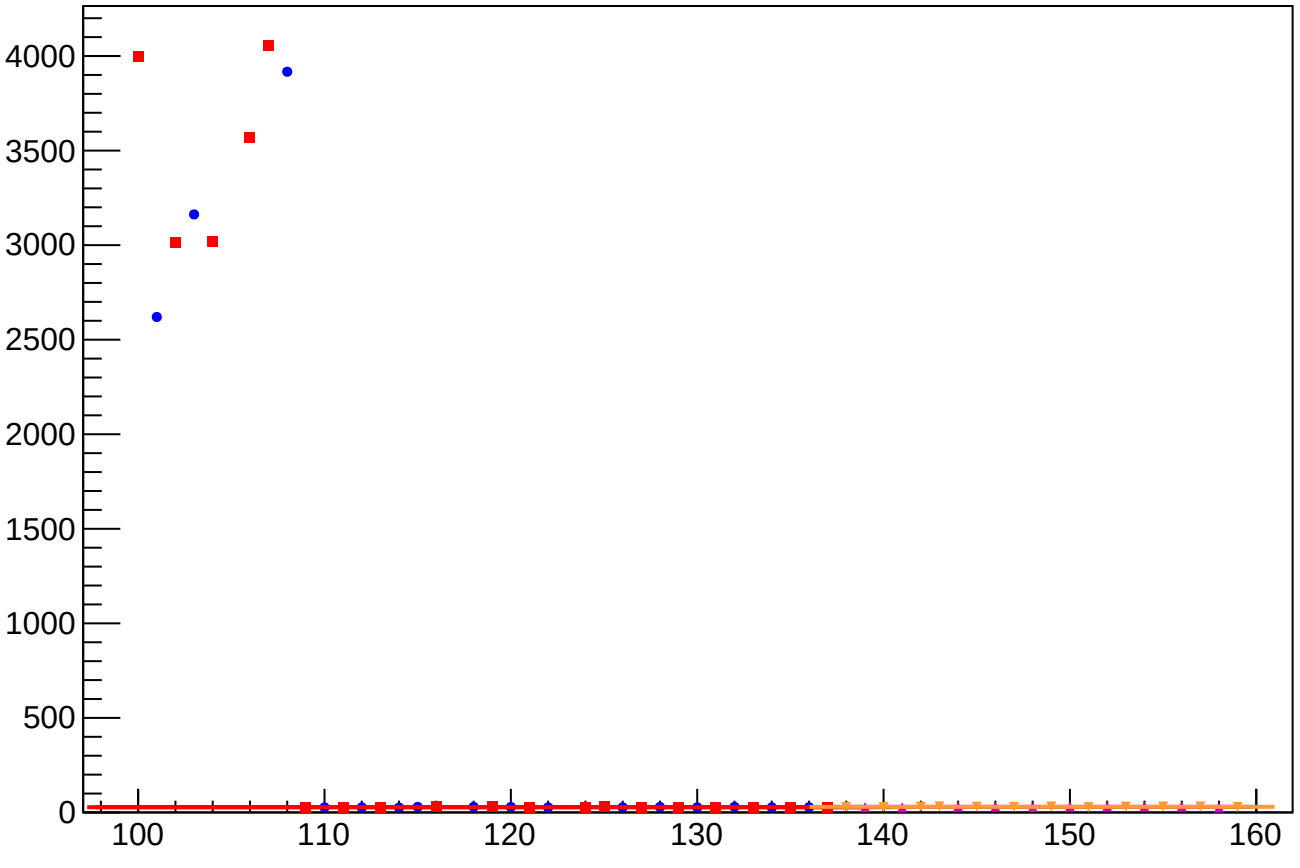
Left: -2.928+/-6.970 χ^2/NDF: 18.2/21

Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 4.897+/-7.643 χ^2/NDF:25.5/25

Out: 6.840+/-7.506 χ^2/NDF:37.0/30

All: 5.886+/-5.355 χ^2/NDF: 62.5/56



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.783+/-0.007 χ^2/NDF:38521.5/11

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

Left: 29.678+/-0.005 χ^2/NDF: 106472.0/21

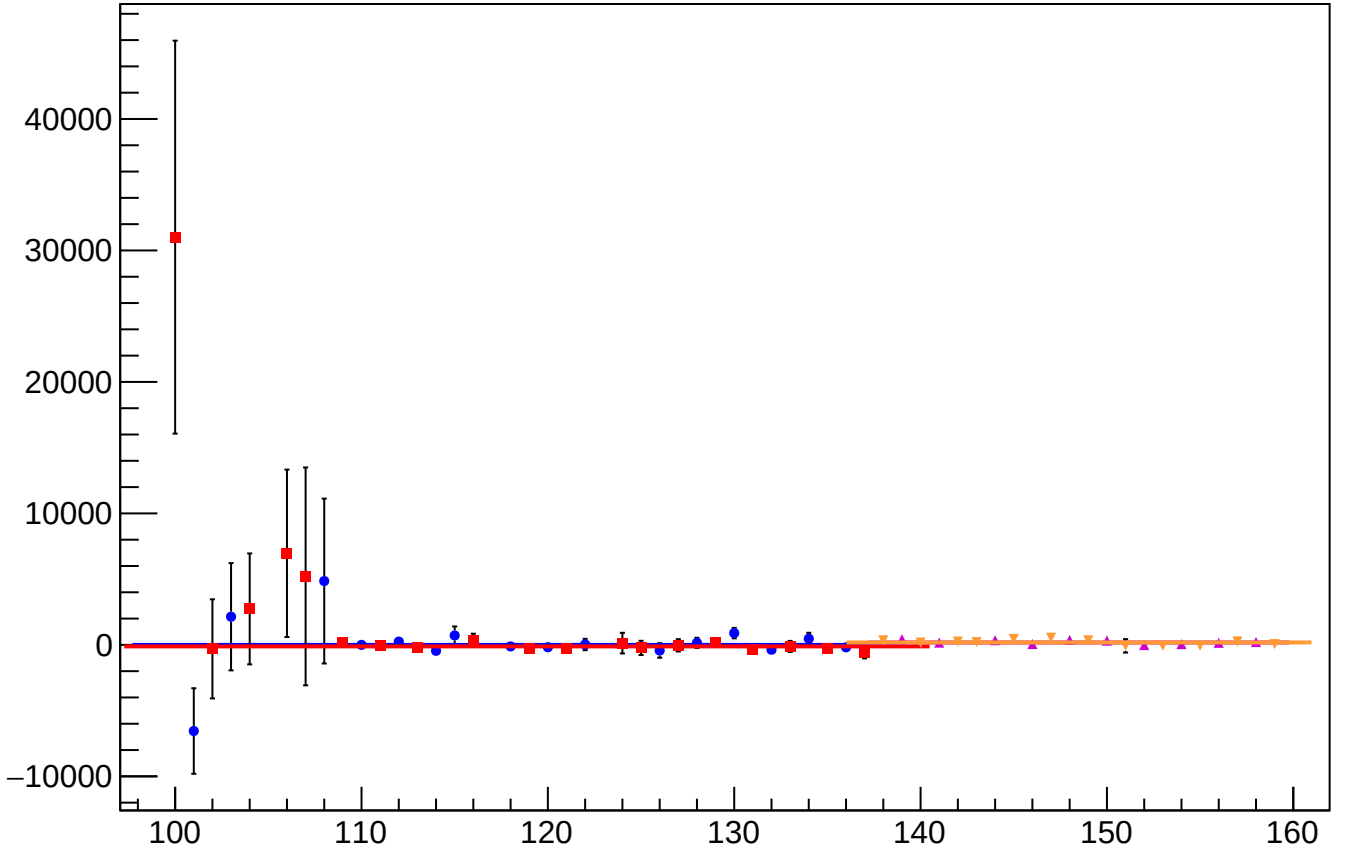
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.831+/-0.005 χ^2/NDF:3358661.7/25

Out: 28.976+/-0.005 χ^2/NDF:3632225.2/30

All: 28.905+/-0.004 χ^2/NDF: 6991253.6/56

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: 183.364+/-78.550 χ^2/NDF:5.2/11

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 180.098+/-68.739 χ^2/NDF:4.0/9

Left: 181.514+/-51.729 χ^2/NDF: 9.2/21

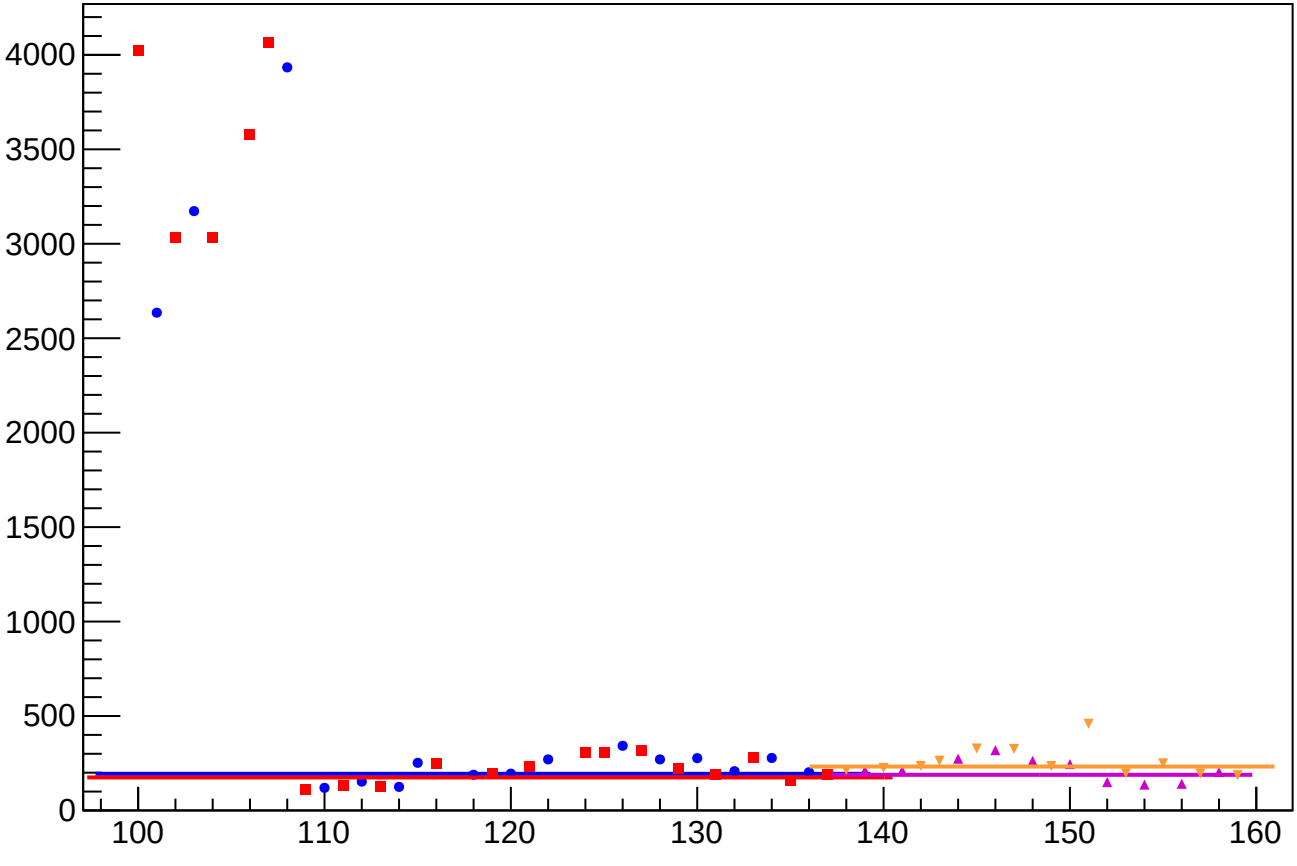
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 108.303+/-53.574 χ^2/NDF:25.0/25

Out: 34.569+/-55.685 χ^2/NDF:26.2/30

All: 72.860+/-38.607 χ^2/NDF: 52.1/56

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: 232.547+/-0.056 χ^2/NDF:907444.7/11

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.679+/-0.049 χ^2/NDF:1215485.8/9

Left: 207.704+/-0.037 χ^2/NDF: 2476192.7/21

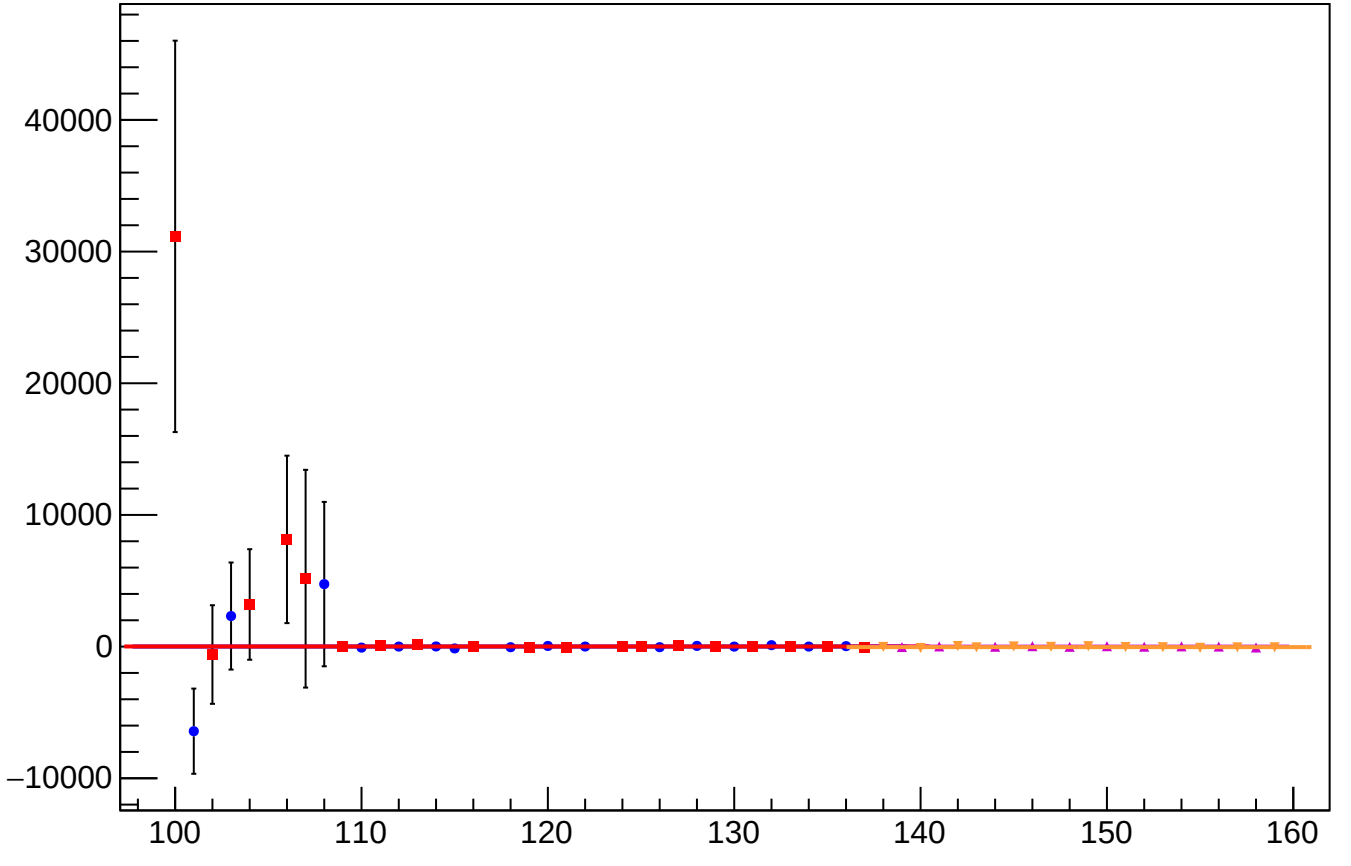
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 190.747+/-0.038 χ^2/NDF:5004563.6/25

Out: 203.811+/-0.039 χ^2/NDF:5704853.0/30

All: 197.026+/-0.027 χ^2/NDF: 10766583.3/56

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: -38.641+/-11.362 χ^2/NDF:13.2/11

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.780+/-11.868 χ^2/NDF:6.3/9

Left: -21.491+/-8.207 χ^2/NDF: 24.2/21

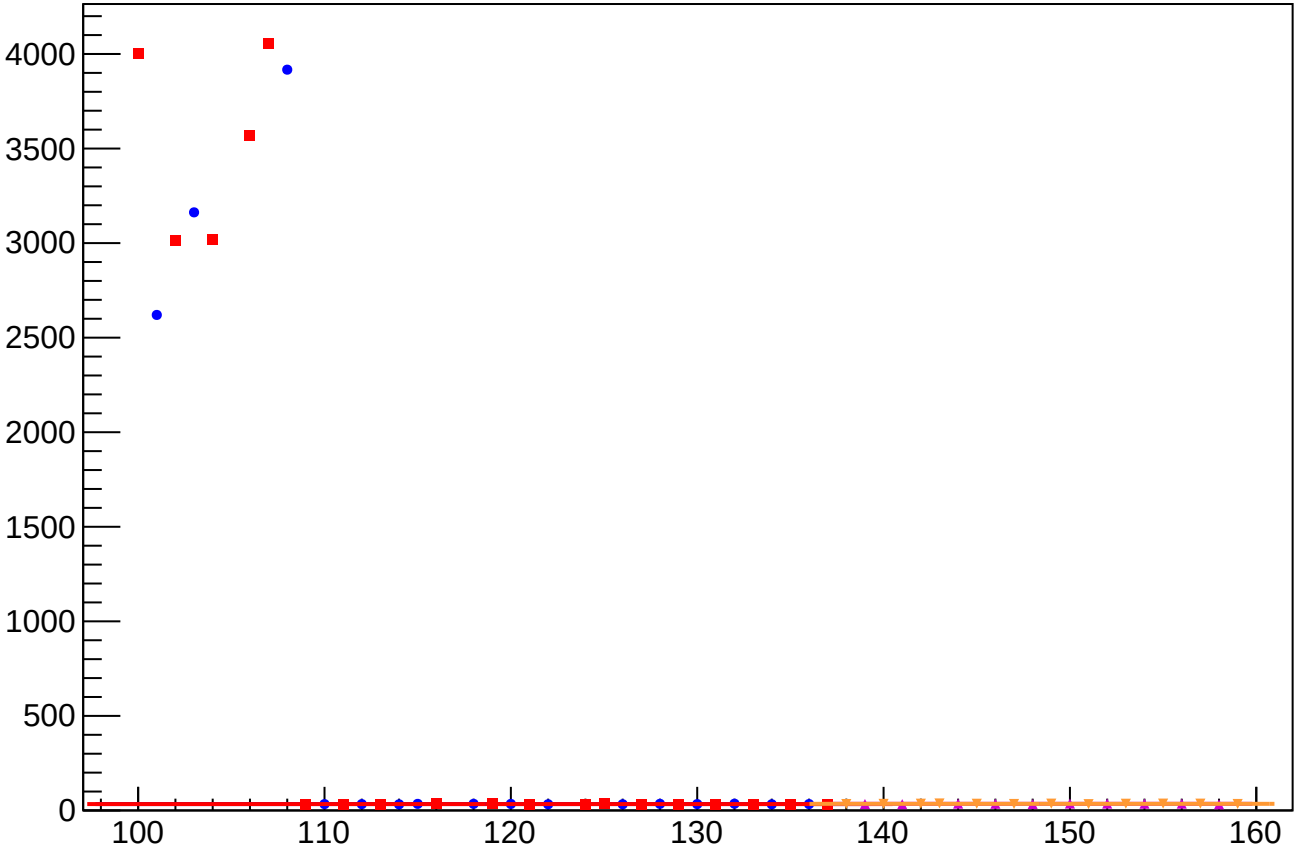
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 0.661+/-9.134 χ^2/NDF:23.9/25

Out: -20.029+/-8.927 χ^2/NDF:43.6/30

All: -9.921+/-6.384 χ^2/NDF: 70.2/56

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: 35.042+/-0.008 χ^2/NDF:17013.2/11

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.978+/-0.008 χ^2/NDF:25555.1/9

Left: 35.011+/-0.006 χ^2/NDF: 42598.7/21

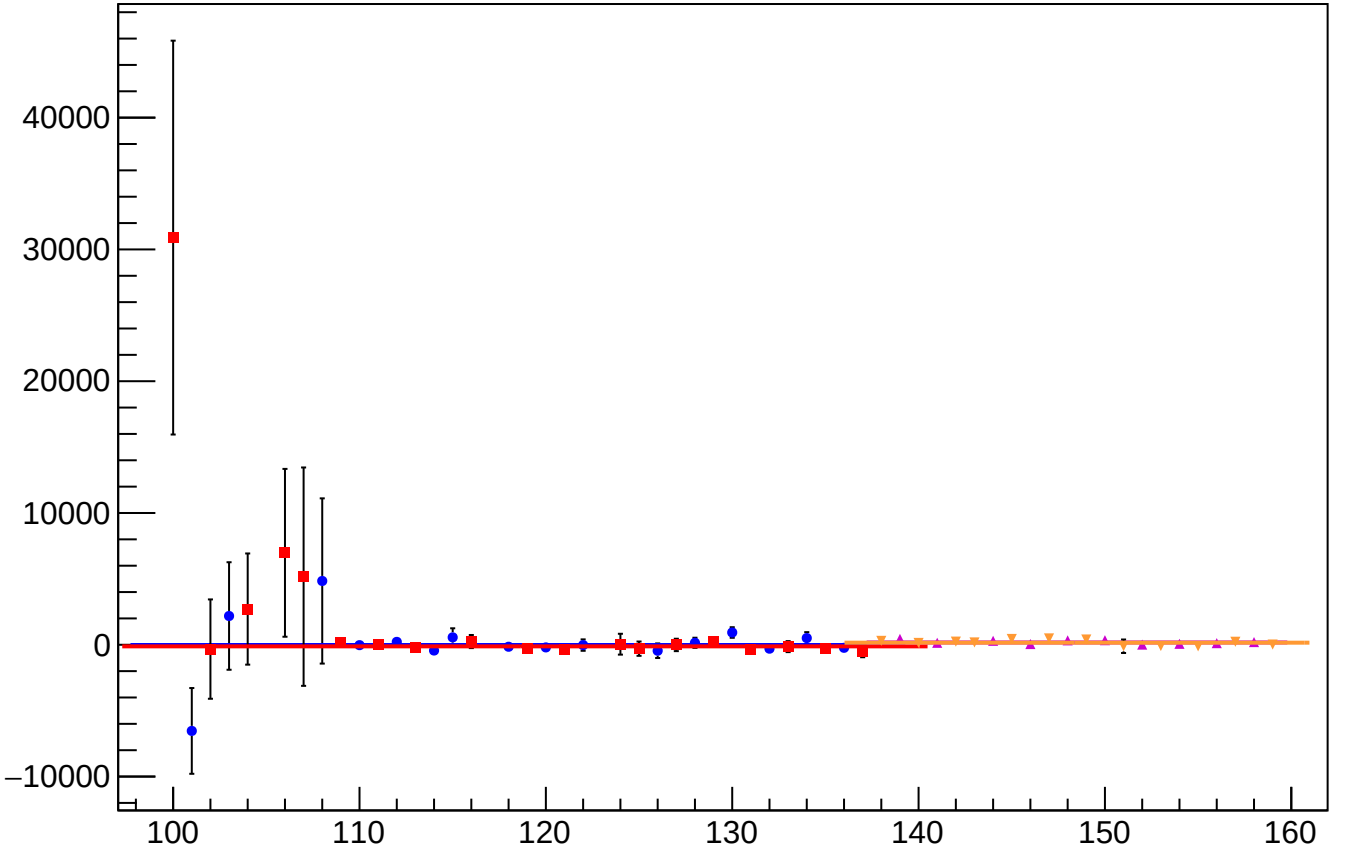
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.538+/-0.006 χ^2/NDF:3276666.3/25

Out: 34.538+/-0.006 χ^2/NDF:3553738.5/30

All: 34.538+/-0.005 χ^2/NDF: 6830404.8/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 159.134+/-78.282 χ^2/NDF:5.8/11

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 175.294+/-68.458 χ^2/NDF:3.6/9

Left: 168.291+/-51.532 χ^2/NDF: 9.4/21

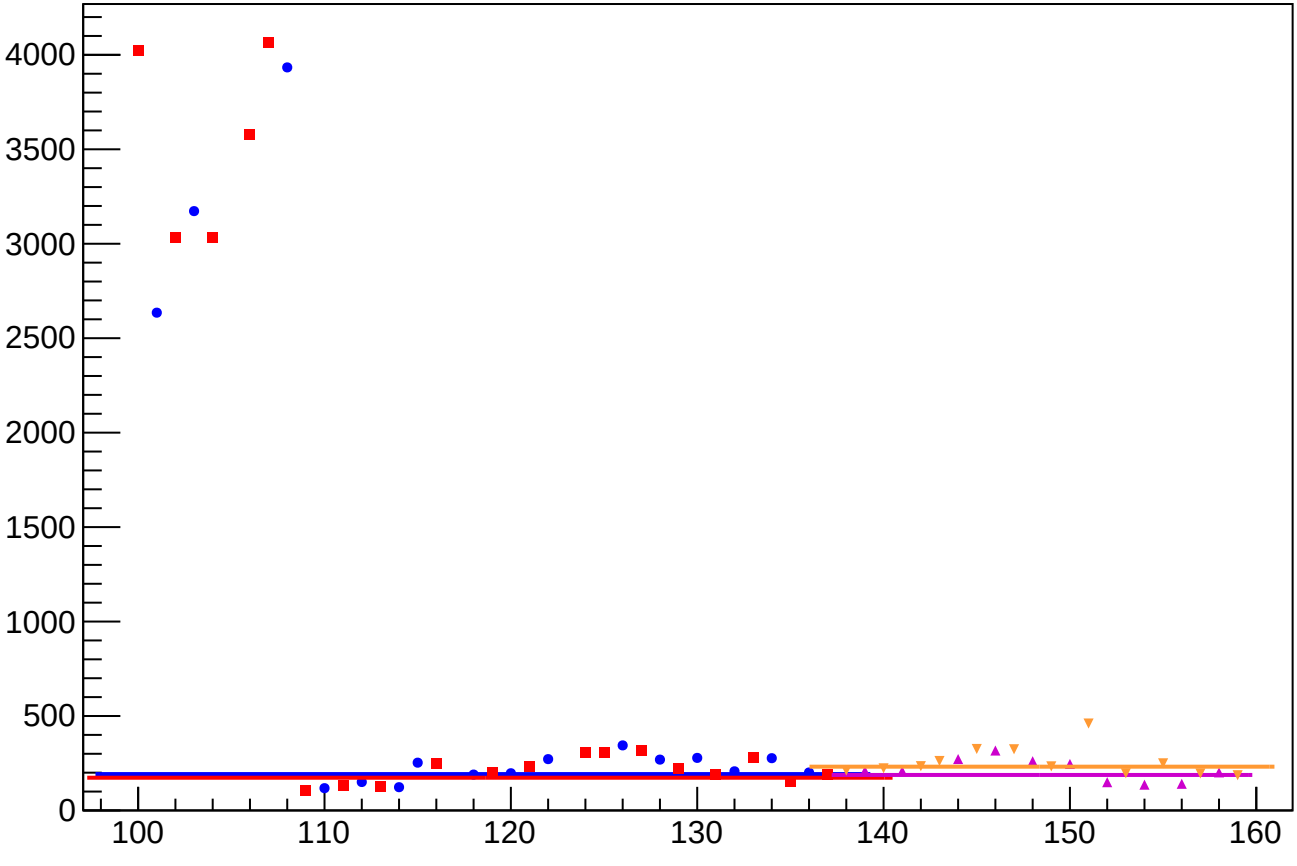
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 98.714+/-53.332 χ^2/NDF:25.0/25

Out: 19.915+/-55.415 χ^2/NDF:25.4/30

All: 60.823+/-38.426 χ^2/NDF: 51.4/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.756+/-0.055 χ^2/NDF:903251.0/11

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

Left: 206.916+/-0.036 χ^2/NDF: 2462325.1/21

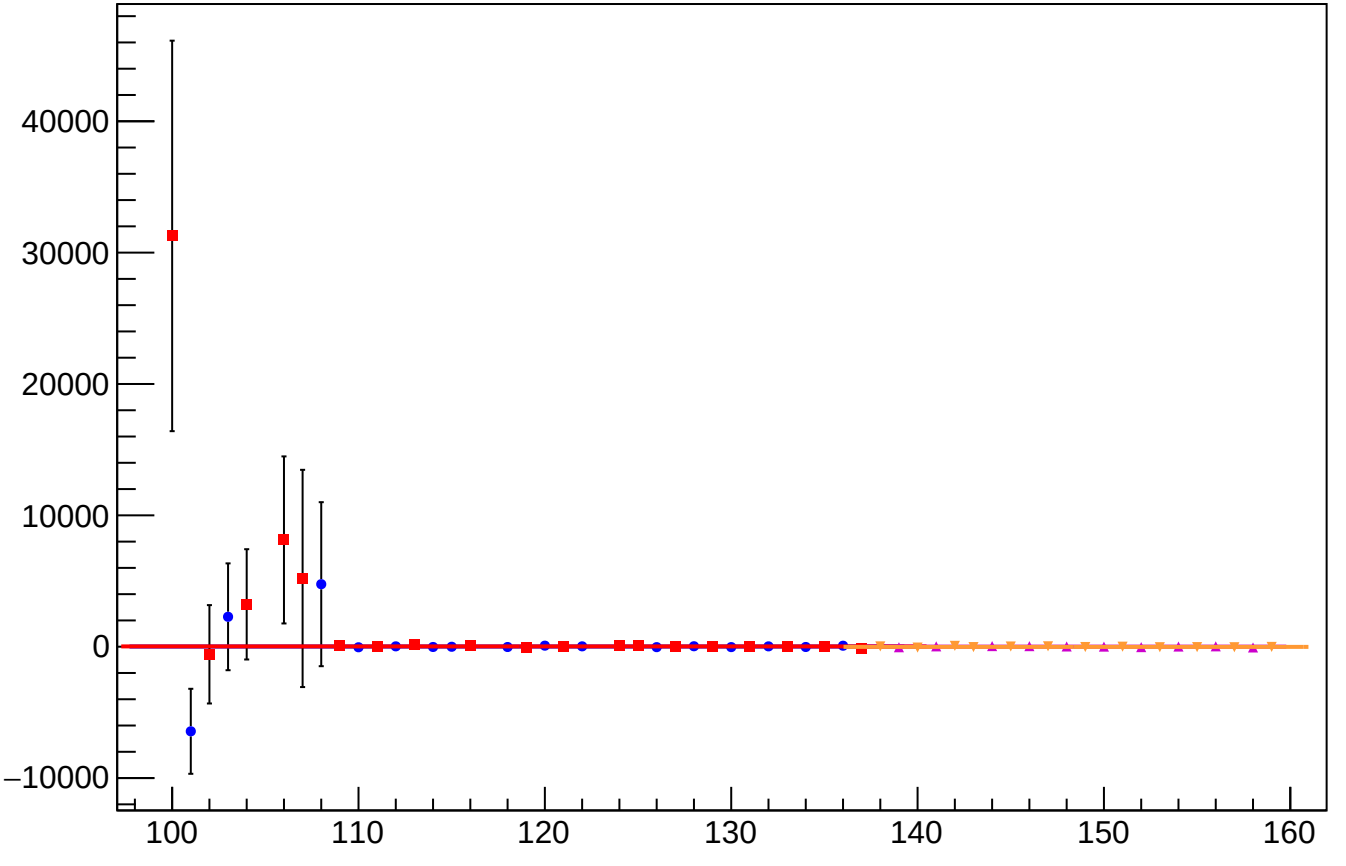
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.743+/-0.038 χ^2/NDF:5030083.9/25

Out: 202.567+/-0.039 χ^2/NDF:5768035.1/30

All: 195.910+/-0.027 χ^2/NDF: 10853723.5/56

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: -13.538+/-10.348 χ^2/NDF:9.9/11

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 4.627+/-10.780 χ^2/NDF:10.6/9

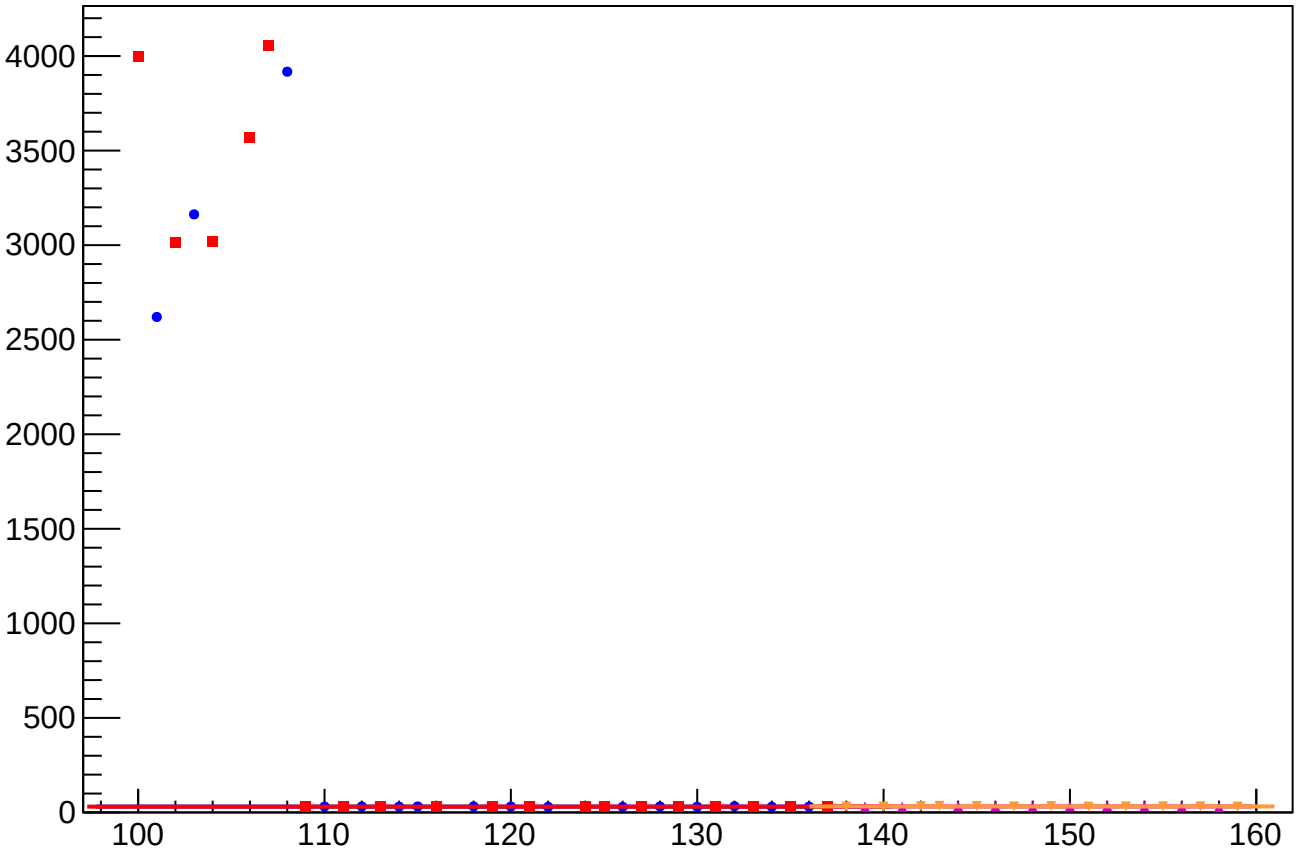
Left: -4.827+/-7.465 χ^2/NDF: 22.1/21

Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 8.308+/-8.314 χ^2/NDF:26.4/25

Out: 0.483+/-8.140 χ^2/NDF:43.4/30

All: 4.312+/-5.816 χ^2/NDF: 70.3/56



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.884+/-0.007 χ^2/NDF:30653.5/11

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

Left: 31.803+/-0.005 χ^2/NDF: 84048.3/21

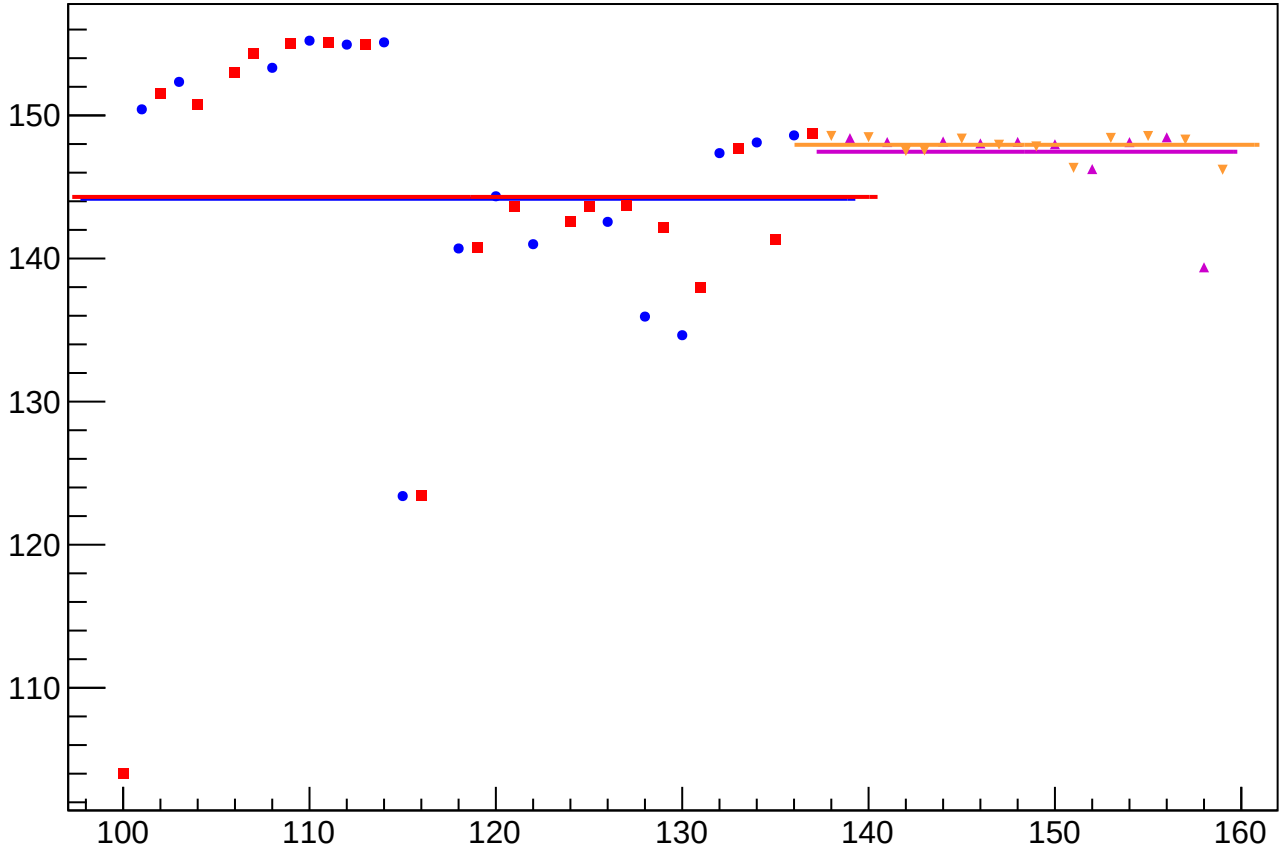
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.396+/-0.006 χ^2/NDF:3310056.4/25

Out: 31.462+/-0.006 χ^2/NDF:3575619.2/30

All: 31.430+/-0.004 χ^2/NDF: 6885739.6/56

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.947+/-0.000 χ^2/NDF:32547822.4/11

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

Left: 147.722+/-0.000 χ^2/NDF: 319048398.9/21

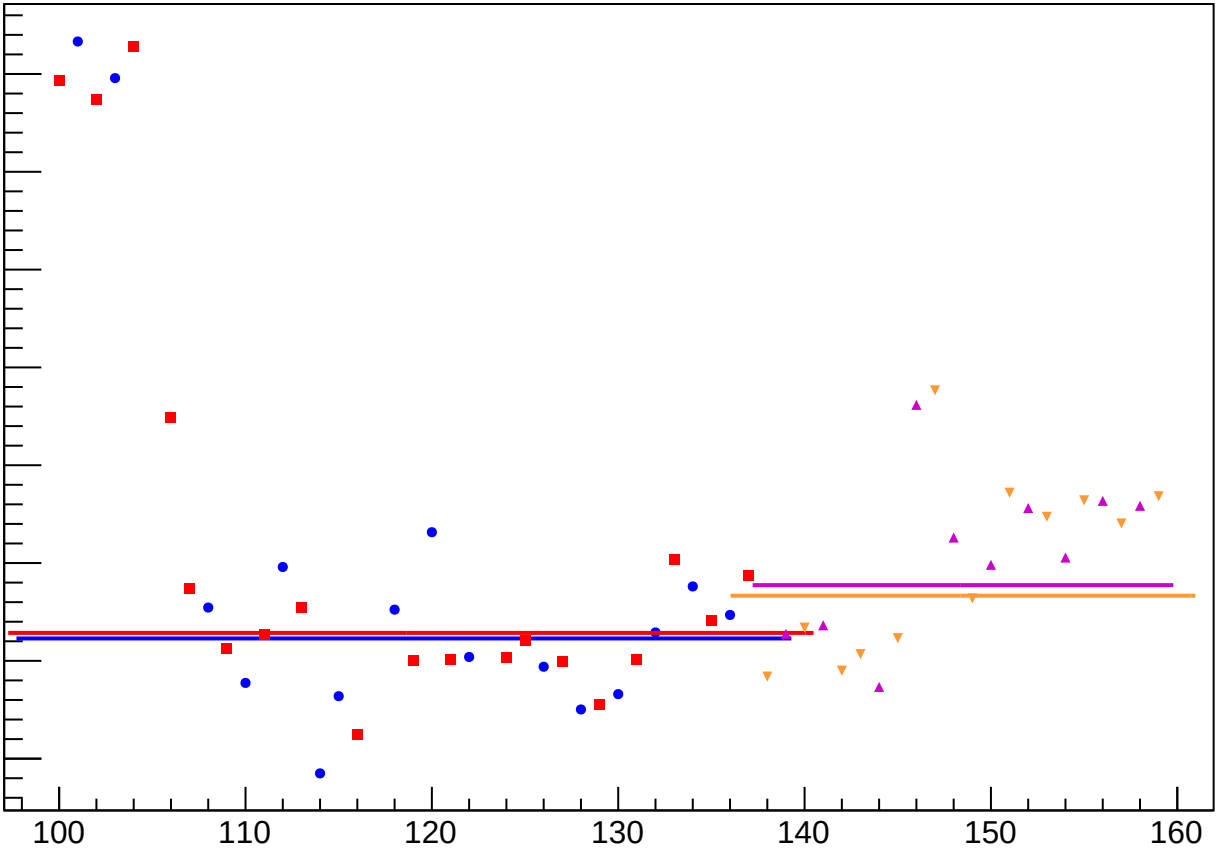
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.799+/-0.000 χ^2/NDF:4308515195.4/25

Out: 146.247+/-0.000 χ^2/NDF:4696506667.9/30

All: 146.031+/-0.000 χ^2/NDF: 9016704395.1

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.367+/-0.000 χ^2/NDF:812583.9/11

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

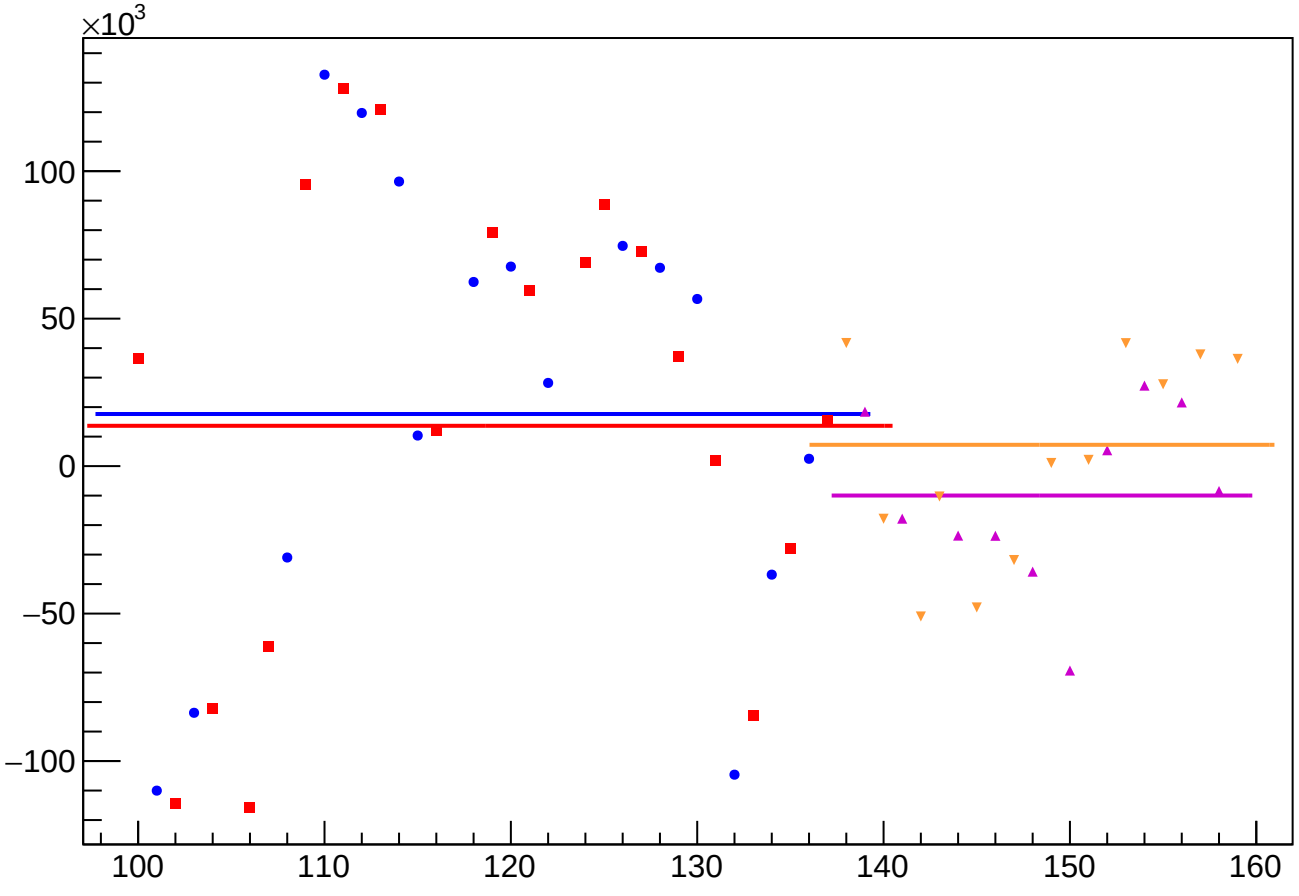
Left: 0.372+/-0.000 χ^2/NDF: 1501225.4/21

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.350+/-0.000 χ^2/NDF:2245364.8/25

Out: 0.349+/-0.000 χ^2/NDF:2203914.9/30

All: 0.349+/-0.000 χ^2/NDF: 4449390.3/56



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 7222.959+/-1.610 χ^2/NDF:391077481.2/11

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -9974.552+/-1.690 χ^2/NDF:303265776.1/9

Left: -956.917+/-1.165 χ^2/NDF: 748645889.5/21

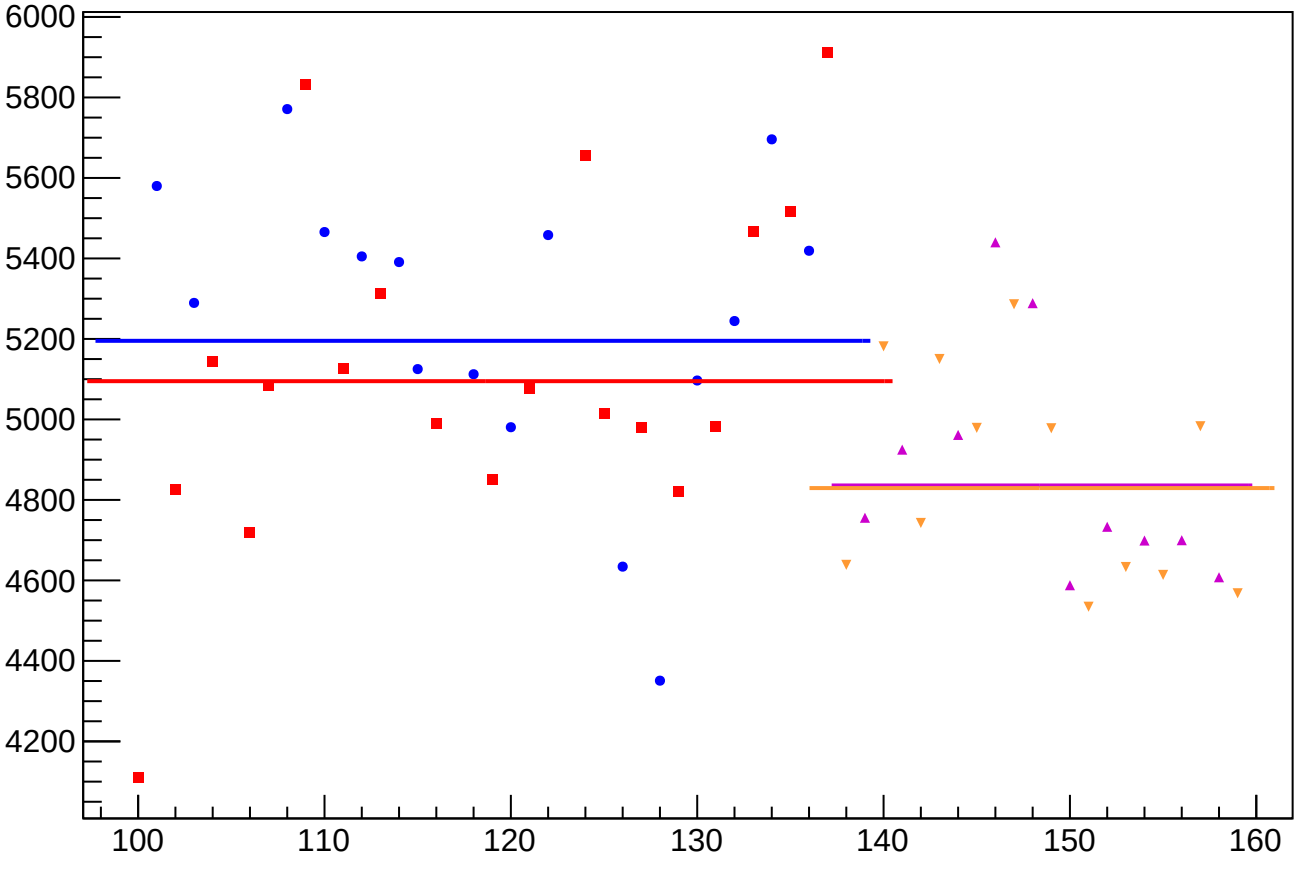
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 1501.367+/-1.292 χ^2/NDF:1813065622.6/25

Out: 9874.198+/-1.235 χ^2/NDF:2254634663.1/30

All: 5878.374+/-0.893 χ^2/NDF: 4089644385.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4829.405+/-1.138 χ^2/NDF:50113.3/11

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4835.896+/-1.195 χ^2/NDF:45939.8/9

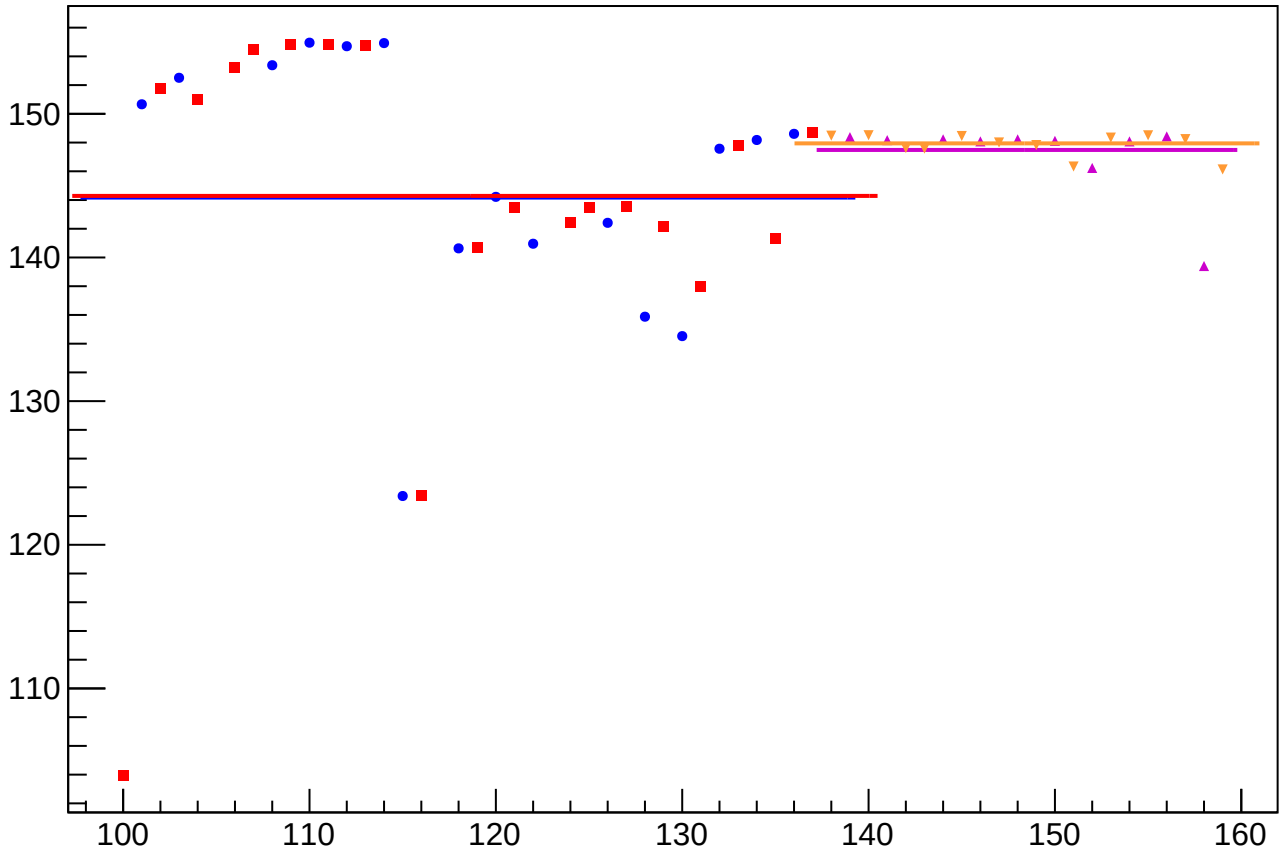
Left: 4832.493+/-0.824 χ^2/NDF: 96068.6/21

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4985.126+/-0.914 χ^2/NDF:160666.2/25

Out: 4938.709+/-0.873 χ^2/NDF:131641.9/30

All: 4960.861+/-0.631 χ^2/NDF: 293656.9/56



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.943+/-0.000 χ^2/NDF:32537744.3/11

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.486+/-0.000 χ^2/NDF:280953760.4/9

Left: 147.731+/-0.000 χ^2/NDF: 319806759.1/21

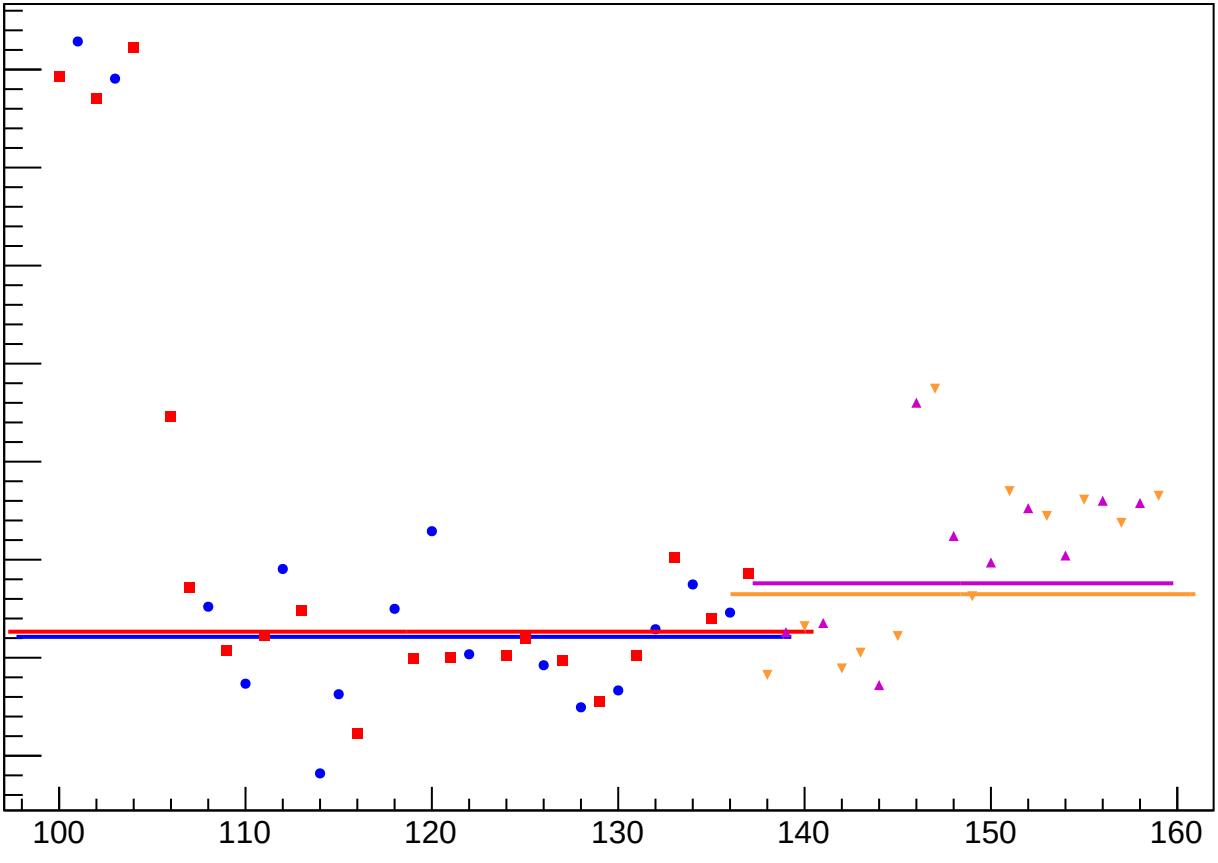
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.807+/-0.000 χ^2/NDF:4358256446.5/25

Out: 146.235+/-0.000 χ^2/NDF:4729824861.3/30

All: 146.029+/-0.000 χ^2/NDF: 9098836084.7

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.365+/-0.000 χ^2/NDF:810710.2/11

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.376+/-0.000 χ^2/NDF:680546.7/9

Left: 0.370+/-0.000 χ^2/NDF: 1498680.0/21

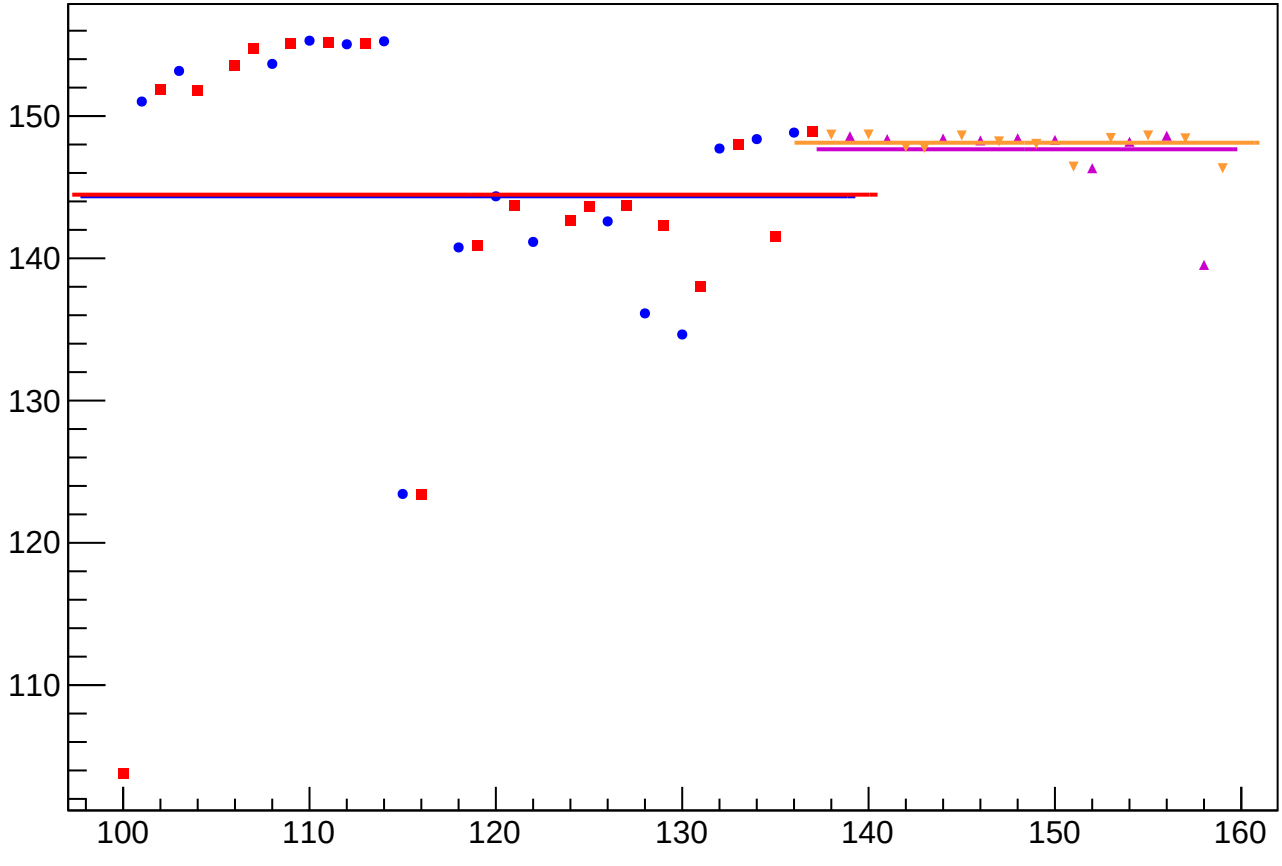
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.348+/-0.000 χ^2/NDF:2246531.7/25

Out: 0.347+/-0.000 χ^2/NDF:2202542.7/30

All: 0.348+/-0.000 χ^2/NDF: 4449276.4/56

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.126+/-0.000 χ^2/NDF:32584544.5/11

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.664+/-0.000 χ^2/NDF:285149145.9/9

Left: 147.912+/-0.000 χ^2/NDF: 324101233.7/21

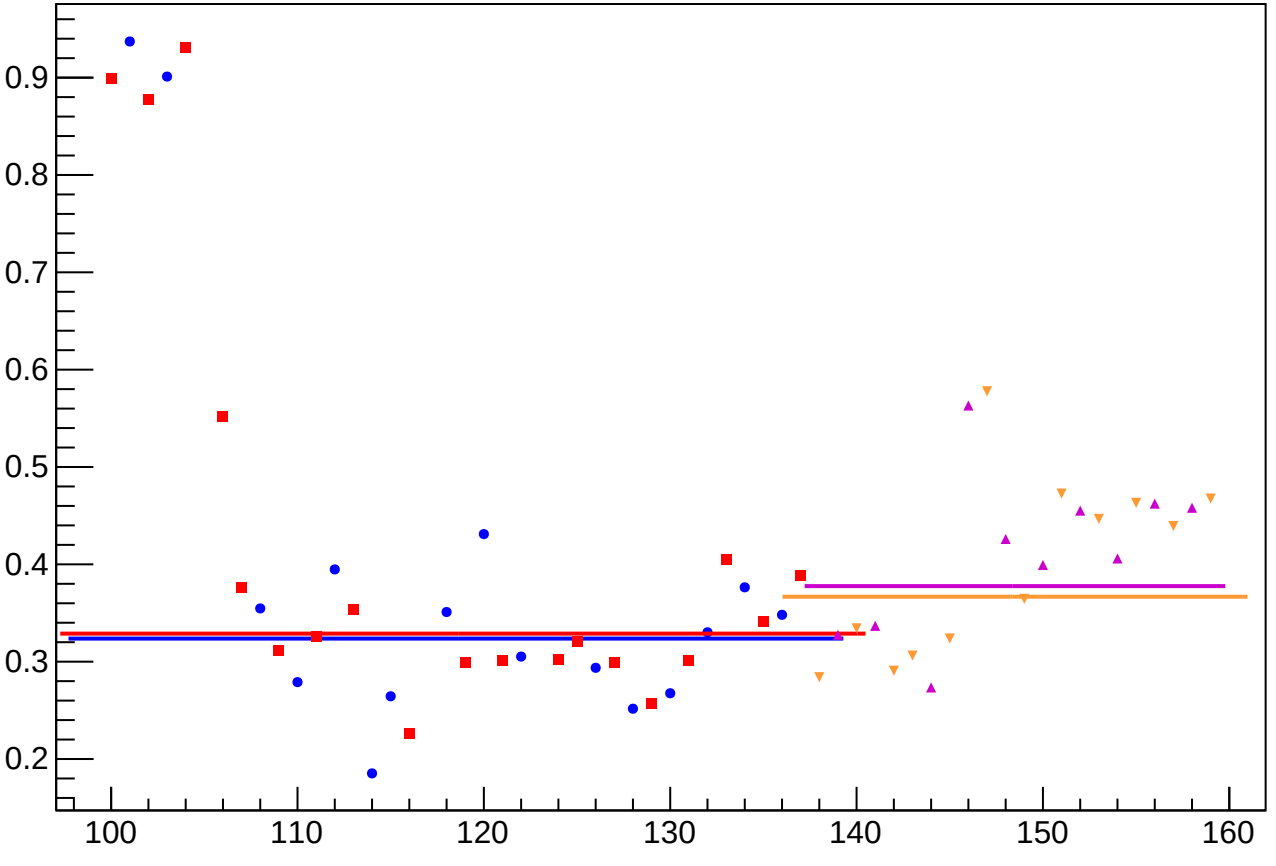
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.996+/-0.000 χ^2/NDF:4350663118.5/25

Out: 146.423+/-0.000 χ^2/NDF:4715561668.2/30

All: 146.217+/-0.000 χ^2/NDF: 9076847927.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.367+/-0.000 χ^2/NDF:809628.7/11

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.378+/-0.000 χ^2/NDF:679136.7/9

Left: 0.372+/-0.000 χ^2/NDF: 1495864.1/21

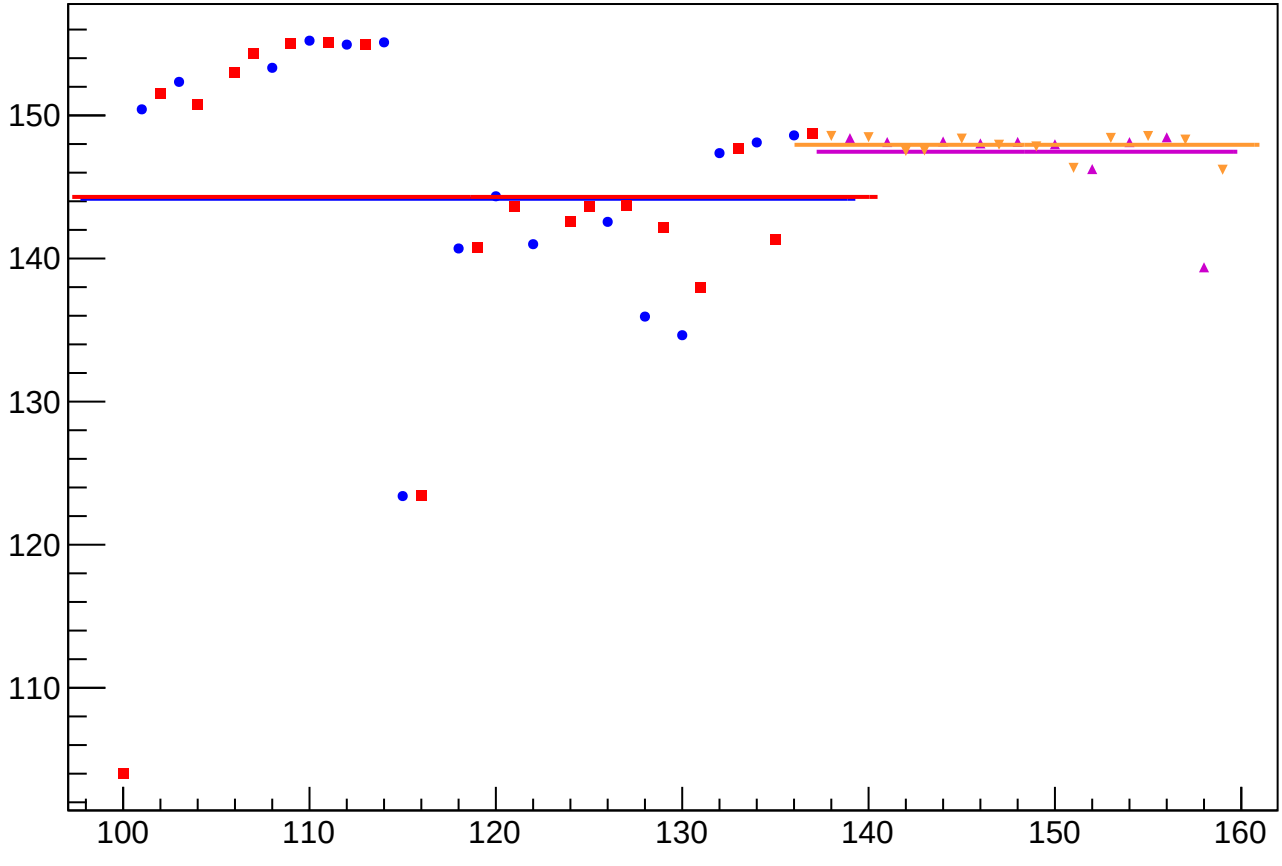
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.350+/-0.000 χ^2/NDF:2234982.4/25

Out: 0.349+/-0.000 χ^2/NDF:2199289.0/30

All: 0.350+/-0.000 χ^2/NDF: 4434484.1/56

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.947+/-0.000 χ^2/NDF:32547822.4/11

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

Left: 147.722+/-0.000 χ^2/NDF: 319048398.9/21

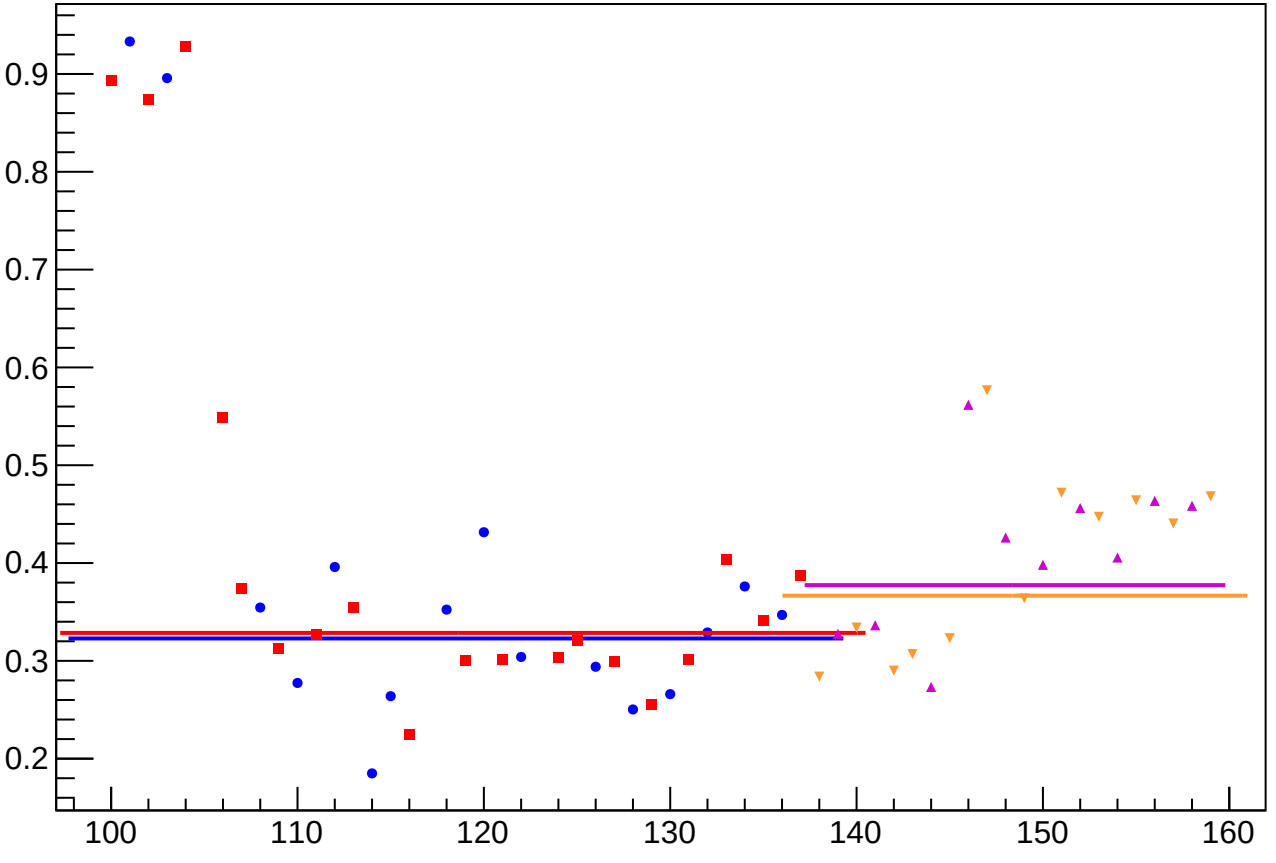
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.799+/-0.000 χ^2/NDF:4308515195.4/25

Out: 146.247+/-0.000 χ^2/NDF:4696506667.9/30

All: 146.031+/-0.000 χ^2/NDF: 9016704395.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.367+/-0.000 χ^2/NDF:812583.9/11

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

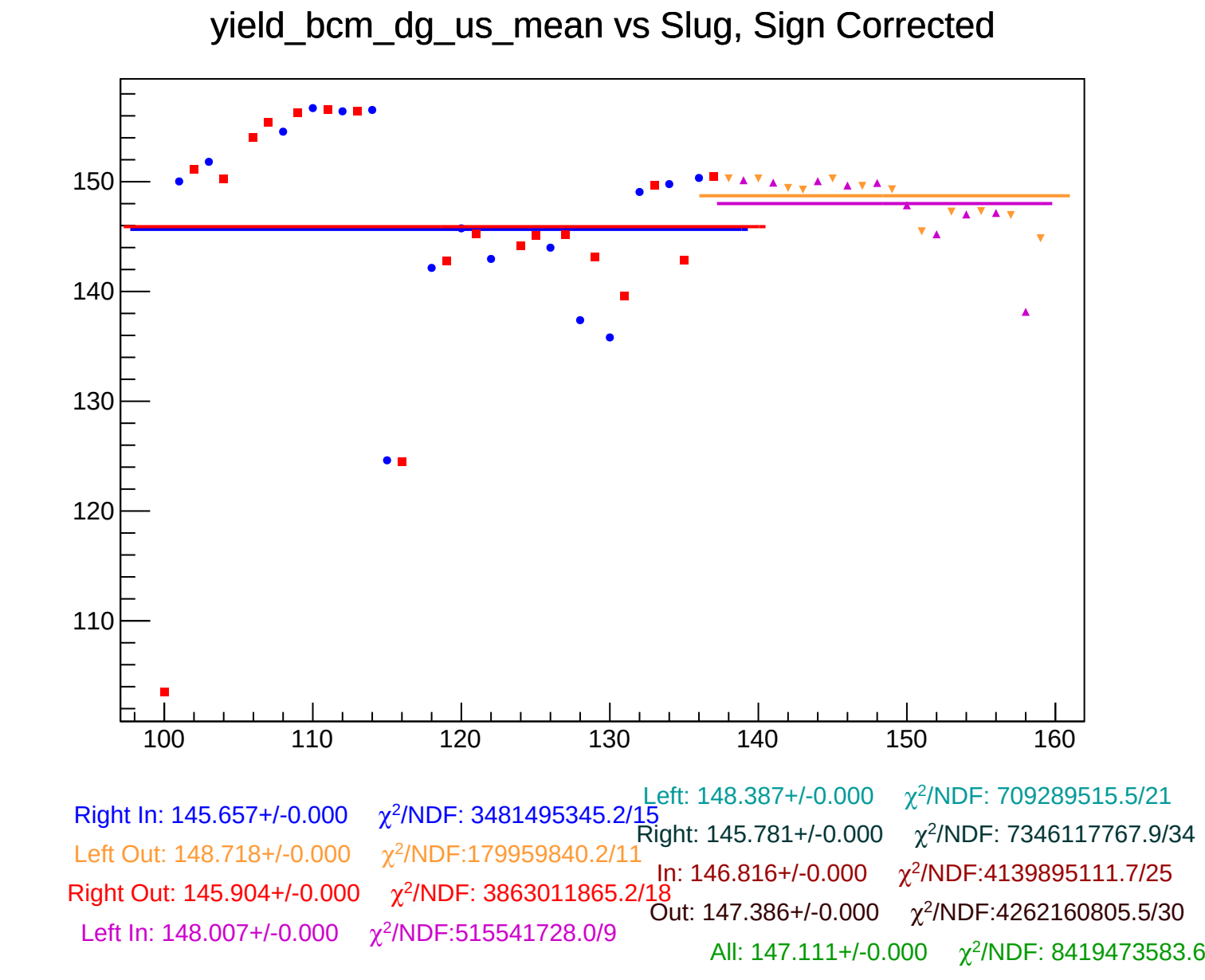
Left: 0.372+/-0.000 χ^2/NDF: 1501225.4/21

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

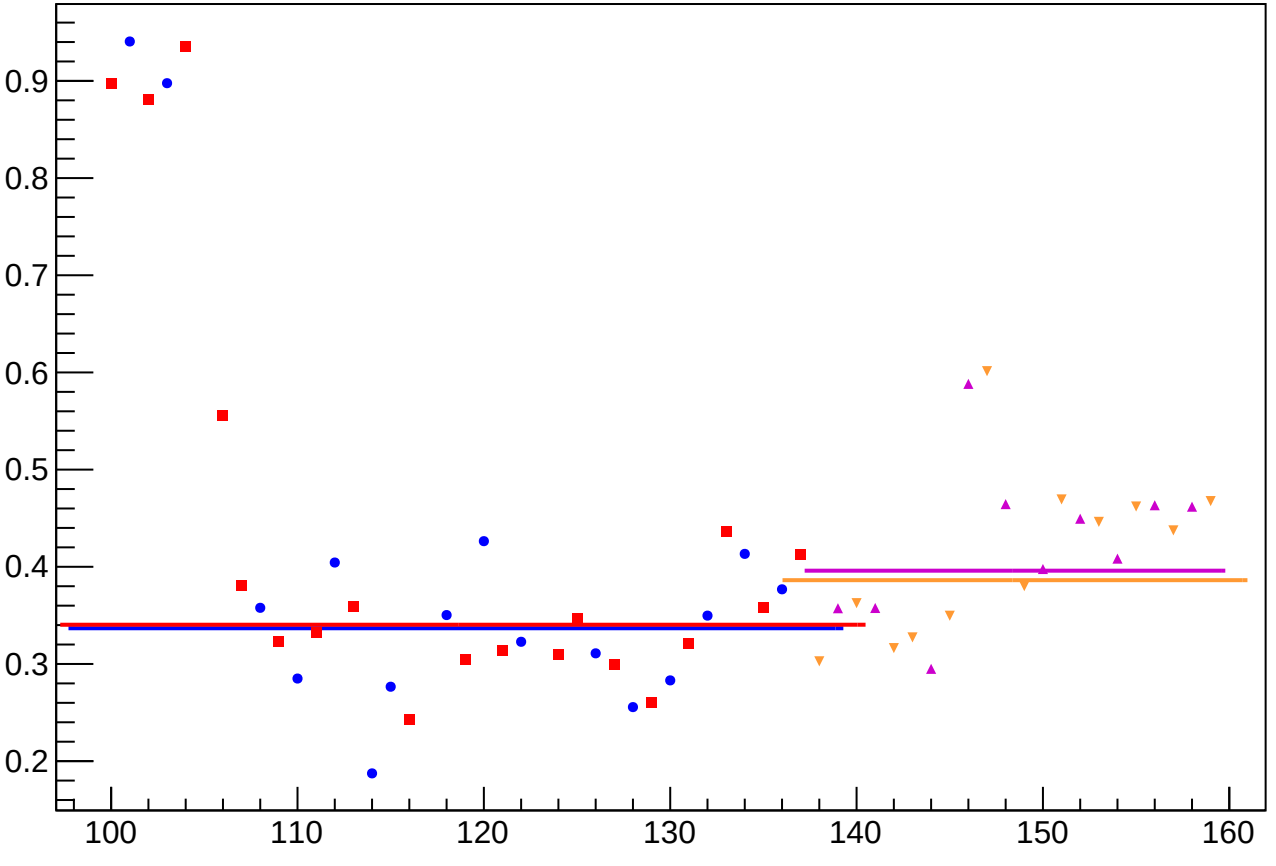
In: 0.350+/-0.000 χ^2/NDF:2245364.8/25

Out: 0.349+/-0.000 χ^2/NDF:2203914.9/30

All: 0.349+/-0.000 χ^2/NDF: 4449390.3/56


yield_bcm_dg_us_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
Right In: 145.657+/-0.000 χ²/NDF: 3481495345.2/15
Left Out: 148.718+/-0.000 χ²/NDF:179959840.2/11
Right Out: 145.904+/-0.000 χ²/NDF: 3863011865.2/18
Left In: 148.007+/-0.000 χ²/NDF:515541728.0/9
Left: 148.387+/-0.000 χ²/NDF: 709289515.5/21
Right: 145.781+/-0.000 χ²/NDF: 7346117767.9/34
In: 146.816+/-0.000 χ²/NDF:4139895111.7/25
Out: 147.386+/-0.000 χ²/NDF:4262160805.5/30
All: 147.111+/-0.000 χ²/NDF: 8419473583.6

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.386+/-0.000 χ^2/NDF:614262.0/11

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.396+/-0.000 χ^2/NDF:543634.5/9

Left: 0.391+/-0.000 χ^2/NDF: 1163105.6/21

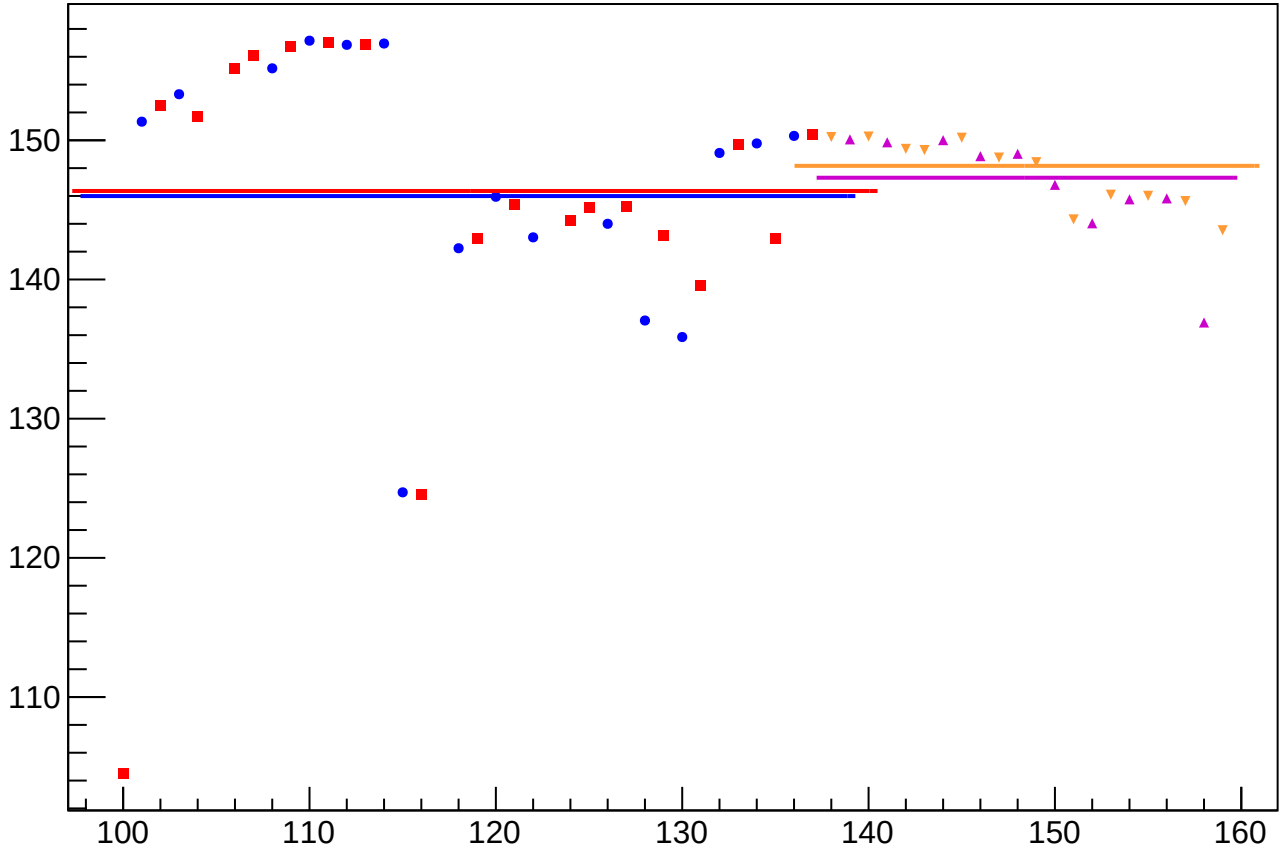
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.366+/-0.000 χ^2/NDF:2095788.7/25

Out: 0.365+/-0.000 χ^2/NDF:2005345.1/30

All: 0.365+/-0.000 χ^2/NDF: 4101358.6/56

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.164+/-0.000 χ^2/NDF:296453178.5/11

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 147.310+/-0.000 χ^2/NDF:662696147.2/9

Left: 147.767+/-0.000 χ^2/NDF: 978957670.3/21

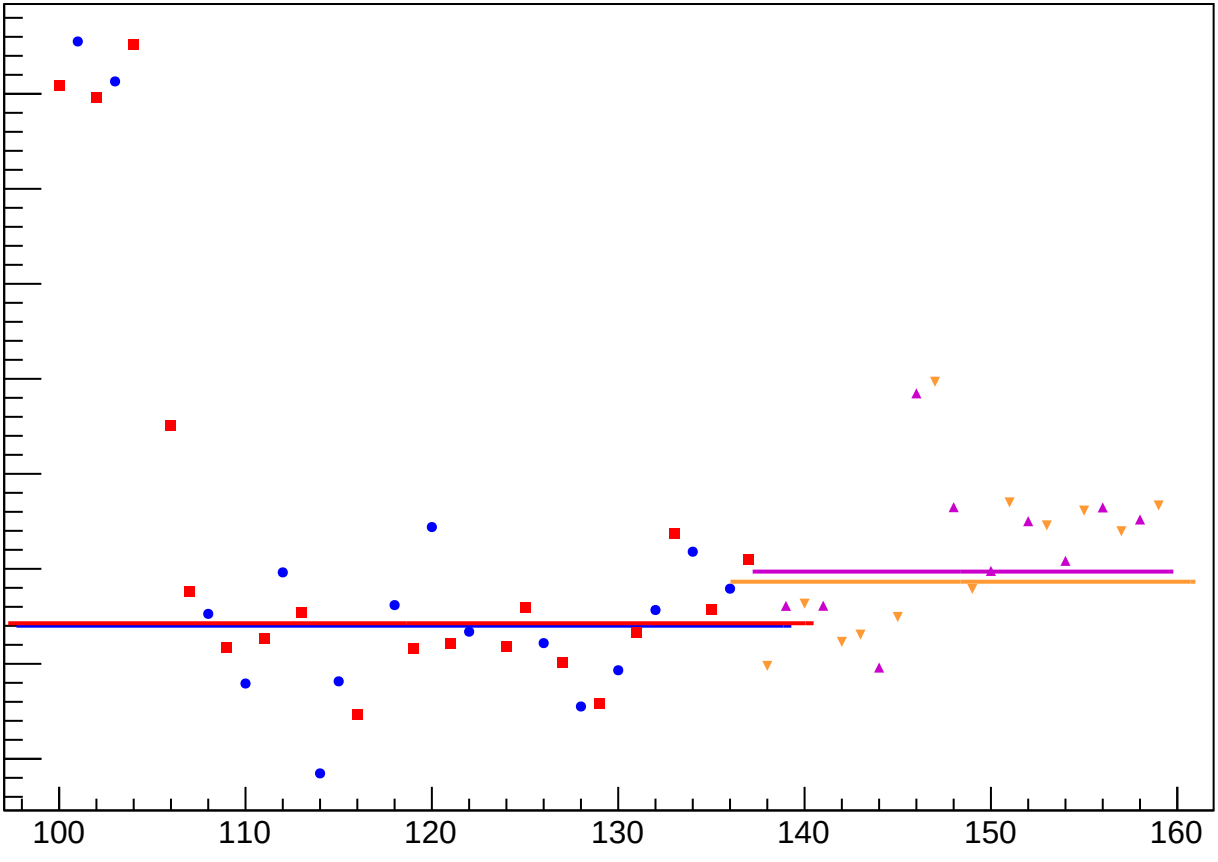
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.648+/-0.000 χ^2/NDF:4328570362.8/25

Out: 147.315+/-0.000 χ^2/NDF:4348991662.9/30

All: 146.995+/-0.000 χ^2/NDF: 8701122875.7

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.386+/-0.000 χ^2/NDF:610293.6/11

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.397+/-0.000 χ^2/NDF:518174.7/9

Left: 0.391+/-0.000 χ^2/NDF: 1134627.4/21

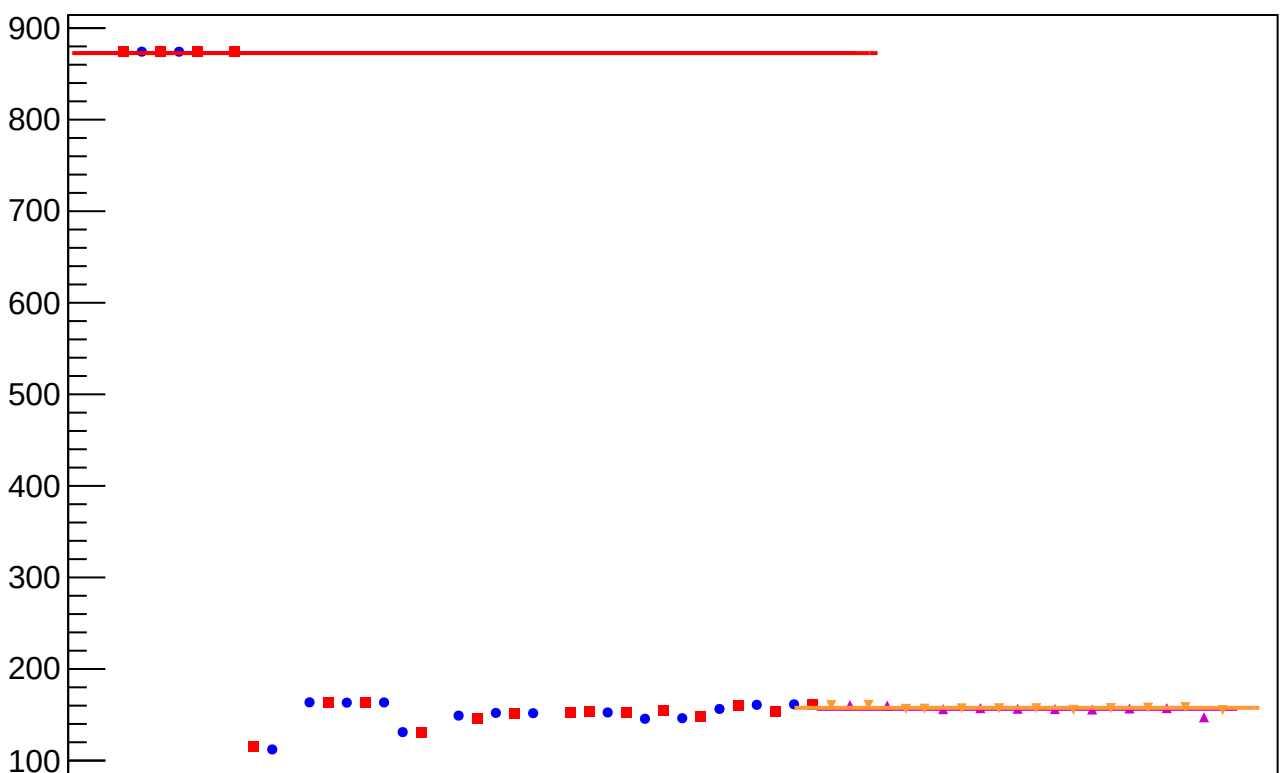
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.368+/-0.000 χ^2/NDF:2076697.0/25

Out: 0.366+/-0.000 χ^2/NDF:1985857.9/30

All: 0.367+/-0.000 χ^2/NDF: 4063273.3/56

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.624+/-0.000 χ^2/NDF:50190864.0/11

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.490+/-0.000 χ^2/NDF:163732811.1/9

Left: 157.072+/-0.000 χ^2/NDF: 223038333.5/21

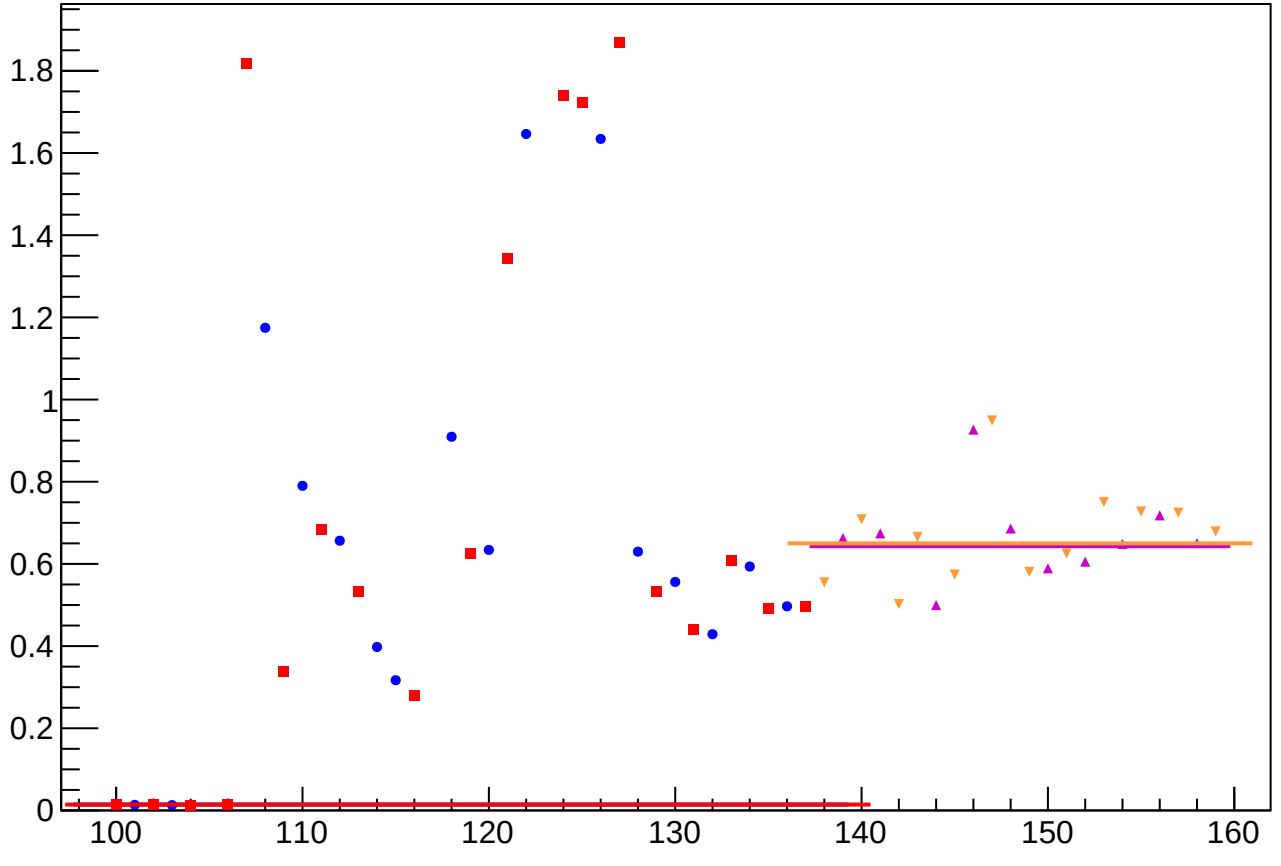
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.437+/-0.000 χ^2/NDF:14261303357929.4/2

Out: 871.409+/-0.000 χ^2/NDF:16604599140768.5

All: 871.422+/-0.000 χ^2/NDF: 30865905482

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.650+/-0.000 χ^2/NDF:271878.0/11

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.643+/-0.000 χ^2/NDF:217269.3/9

Left: 0.647+/-0.000 χ^2/NDF: 489826.9/21

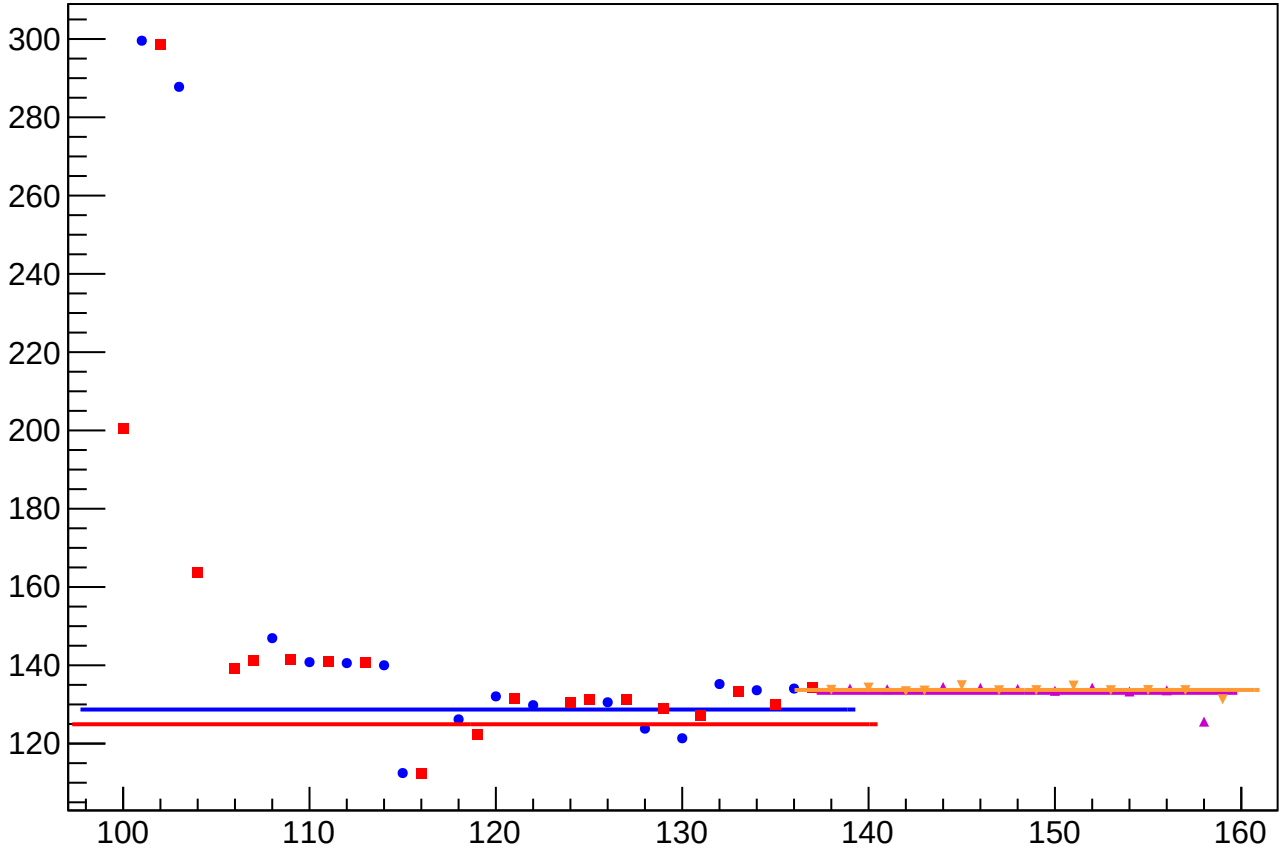
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:20732951.5/25

Out: 0.015+/-0.000 χ^2/NDF:21442822.2/30

All: 0.015+/-0.000 χ^2/NDF: 42176178.7/56

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.705+/-0.000 χ^2/NDF:31526121.3/11

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 132.970+/-0.000 χ^2/NDF:239629662.0/9

Left: 133.361+/-0.000 χ^2/NDF: 280730506.7/21

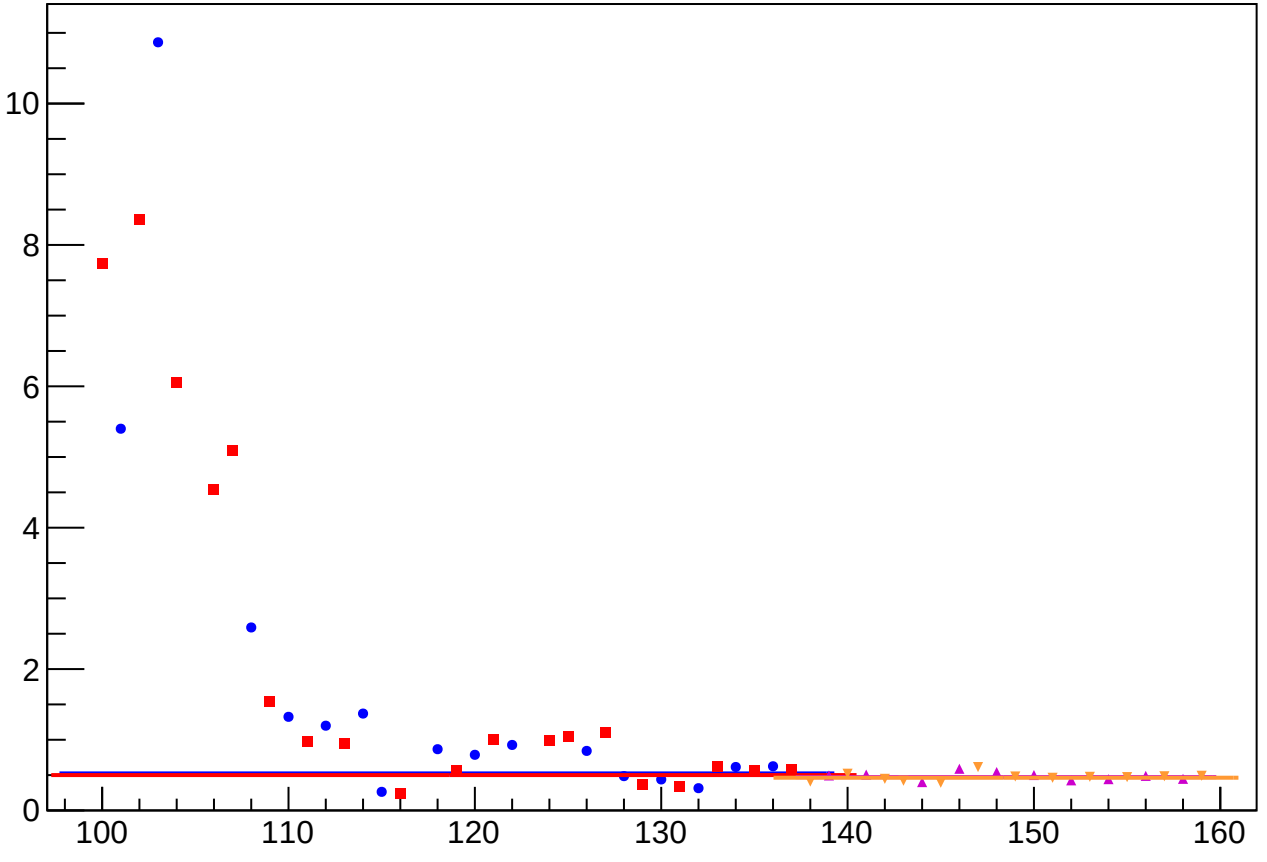
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.749+/-0.000 χ^2/NDF:2069795612.7/25

Out: 131.339+/-0.000 χ^2/NDF:2217361076.0/30

All: 131.533+/-0.000 χ^2/NDF: 4291299447.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.463+/-0.000 χ^2/NDF:194895.9/11

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.471+/-0.000 χ^2/NDF:188440.9/9

Left: 0.467+/-0.000 χ^2/NDF: 385710.1/21

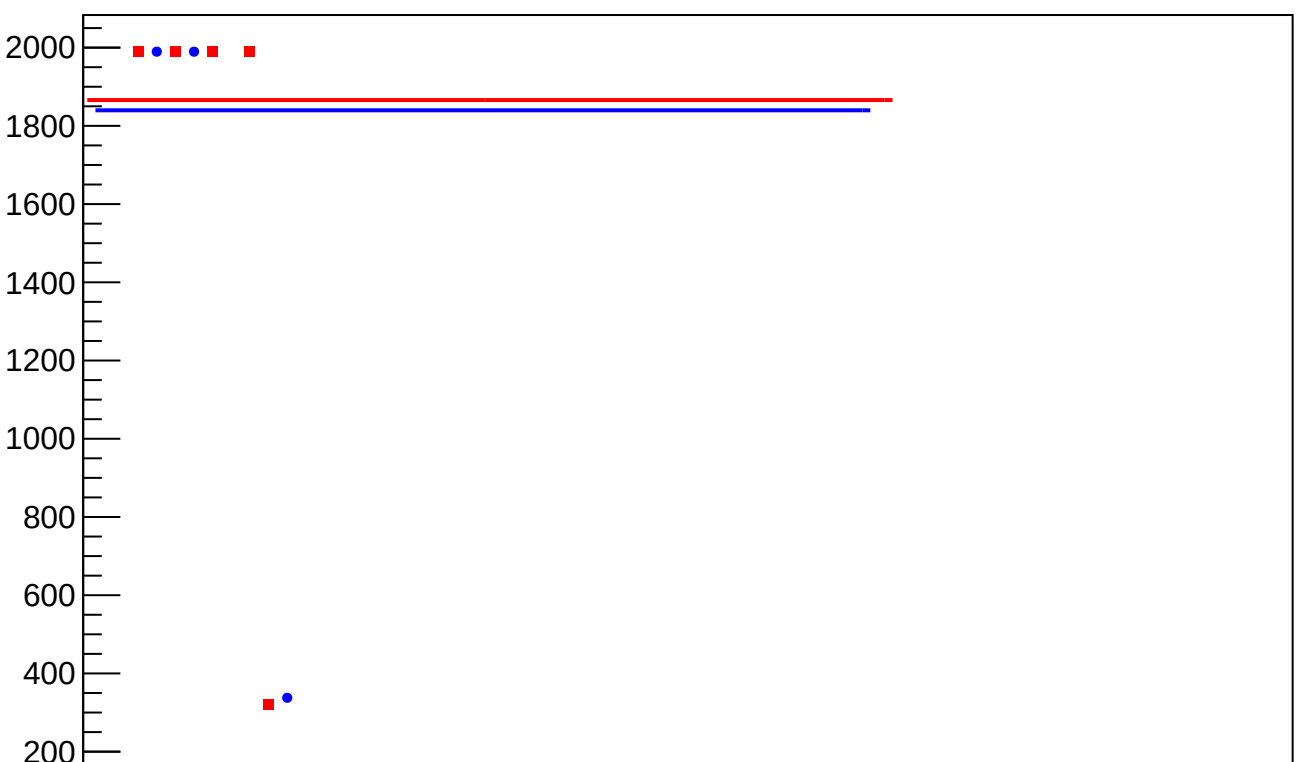
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.486+/-0.000 χ^2/NDF:4379870.2/25

Out: 0.473+/-0.000 χ^2/NDF:5107633.7/30

All: 0.479+/-0.000 χ^2/NDF: 9496040.9/56

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.229+/-0.000 χ^2/NDF:35741417.2/11

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 136.885+/-0.000 χ^2/NDF:196789375.8/9

Left: 137.071+/-0.000 χ^2/NDF: 235806766.2/21

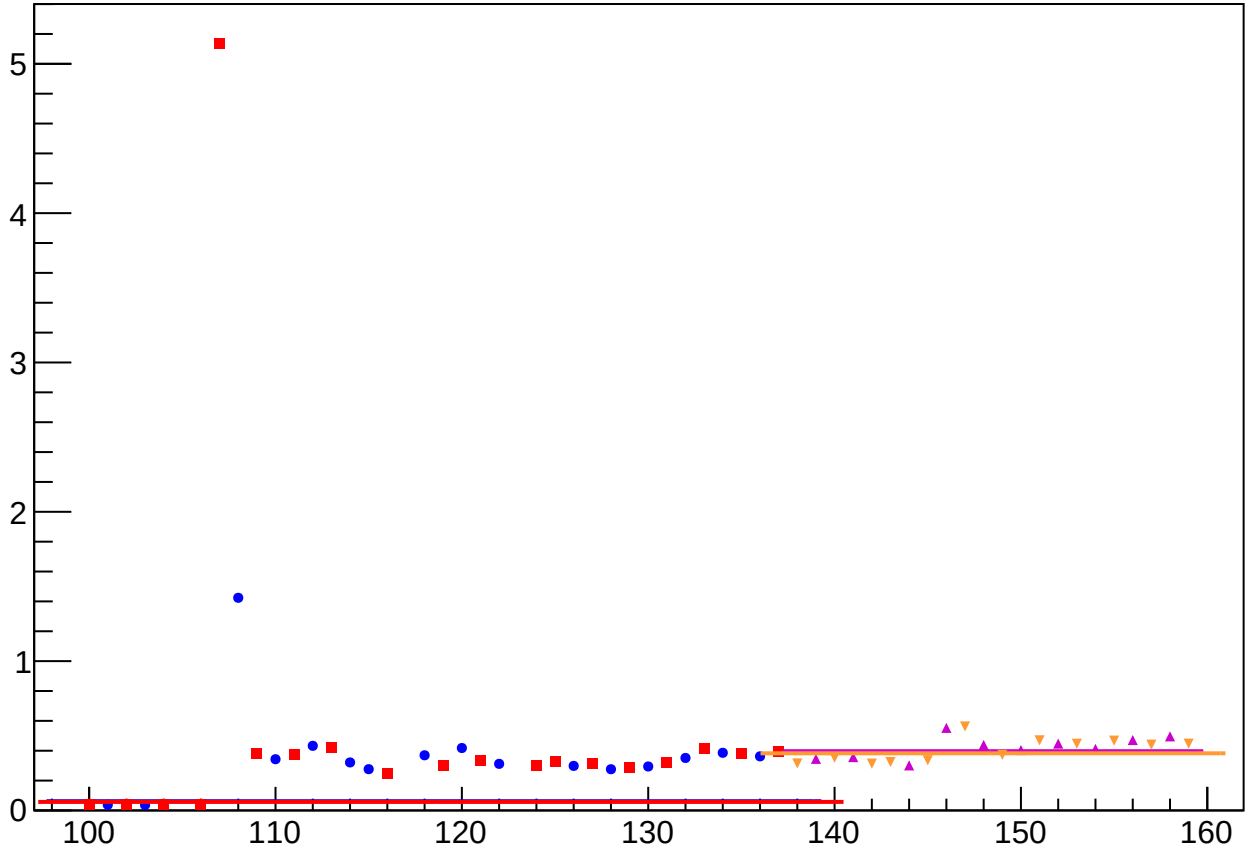
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1699.304+/-0.000 χ^2/NDF:282349990858700.

Out: 1722.238+/-0.000 χ^2/NDF:308234277107463

All: 1711.661+/-0.000 χ^2/NDF: 5907604399

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.383+/-0.000 χ^2/NDF:562060.6/11

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.397+/-0.000 χ^2/NDF:507074.0/9

Left: 0.389+/-0.000 χ^2/NDF: 1080168.5/21

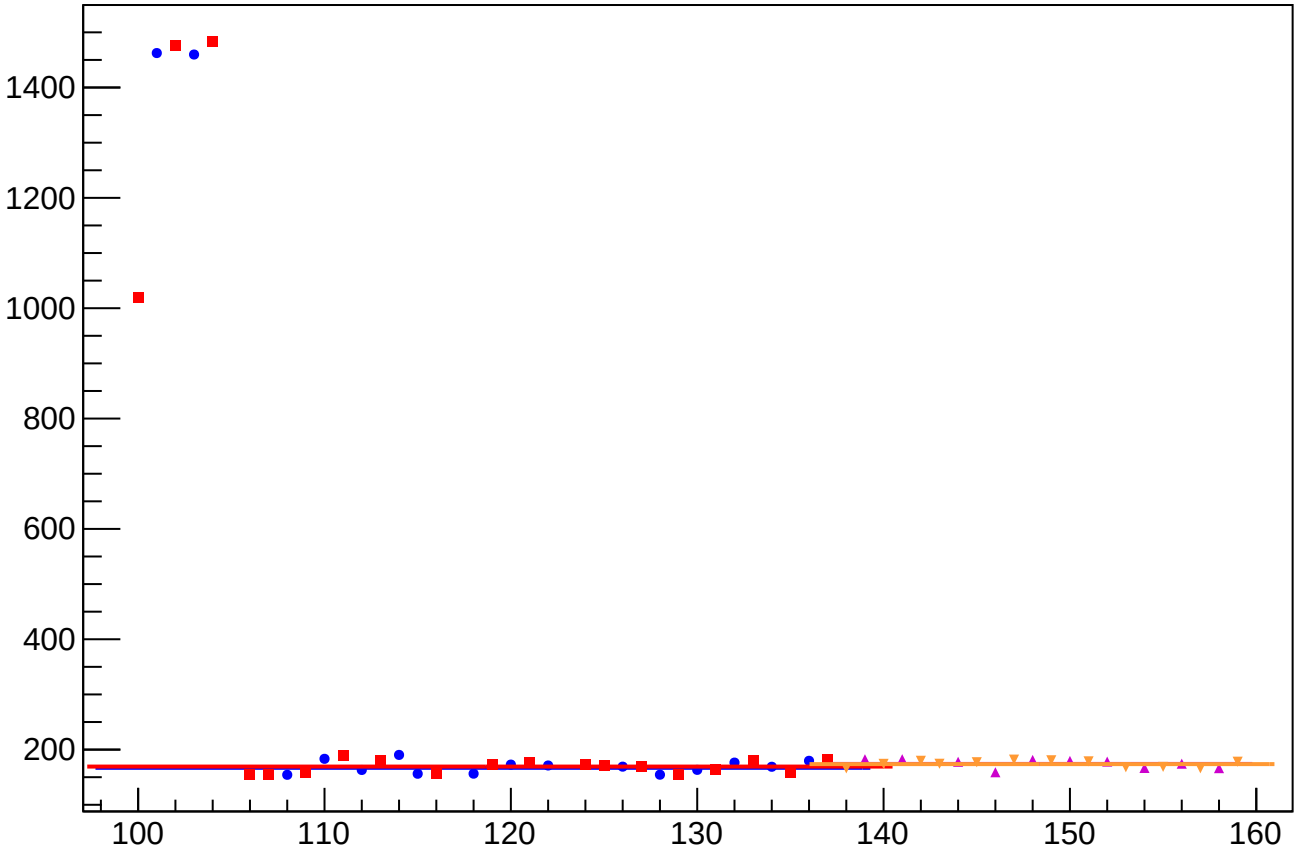
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.089+/-0.000 χ^2/NDF:19239469.8/25

Out: 0.084+/-0.000 χ^2/NDF:20026178.2/30

All: 0.087+/-0.000 χ^2/NDF: 39282852.8/56

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 173.719+/-0.000 χ^2/NDF:271458957.8/11

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.038+/-0.000 χ^2/NDF:484355991.4/9

Left: 173.869+/-0.000 χ^2/NDF: 756225874.2/21

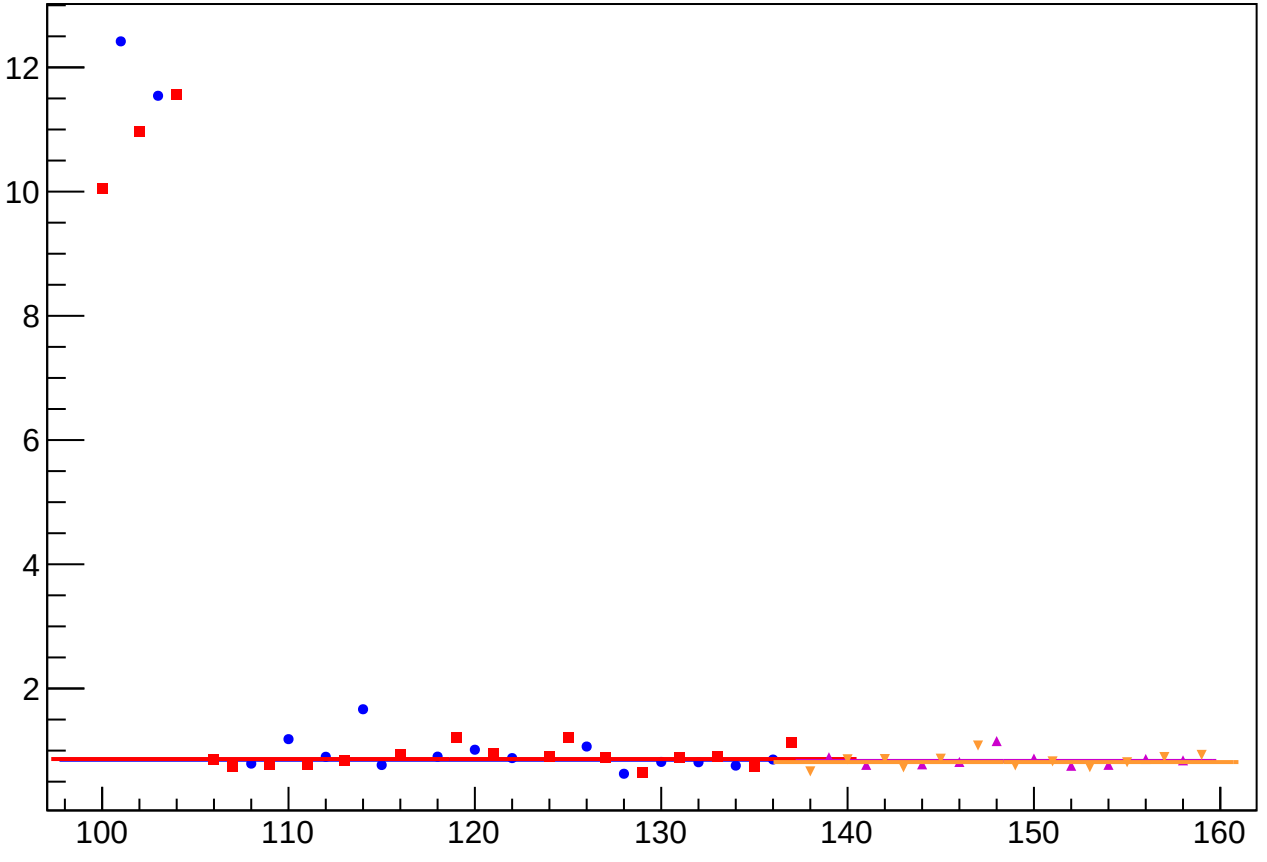
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.167+/-0.000 χ^2/NDF:15253638754.2/25

Out: 171.986+/-0.000 χ^2/NDF:16655348753.5/30

All: 171.593+/-0.000 χ^2/NDF: 31913506069.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.815+/-0.000 χ^2/NDF:175041.7/11

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:131351.9/9

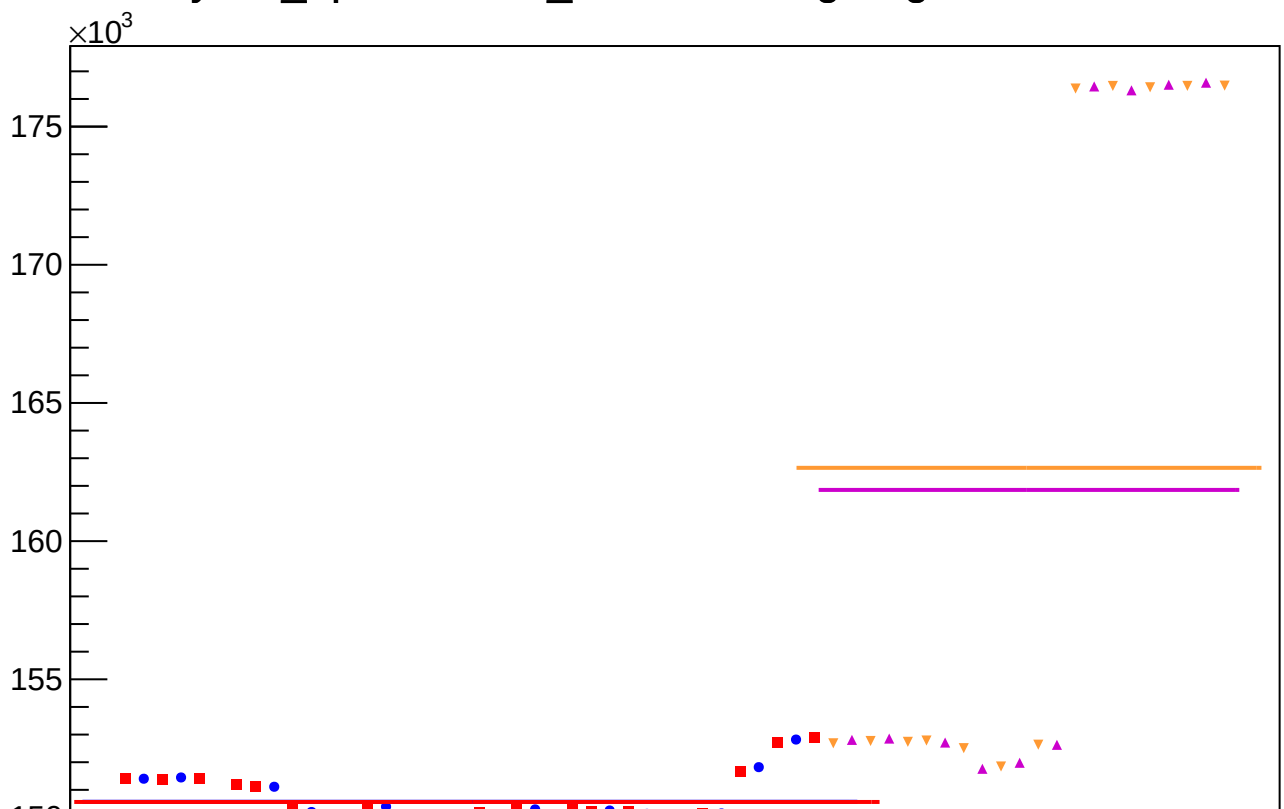
Left: 0.824+/-0.000 χ^2/NDF: 309112.5/21

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.842+/-0.000 χ^2/NDF:2435975.2/25

Out: 0.834+/-0.000 χ^2/NDF:2400234.8/30

All: 0.838+/-0.000 χ^2/NDF: 4836909.4/56



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 162652.751+/-0.058 χ^2/NDF:41008968947.9/11

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 161853.384+/-0.062 χ^2/NDF:35411715011.6/9

Left: 162279.011+/-0.043 χ^2/NDF: 76508645896.4

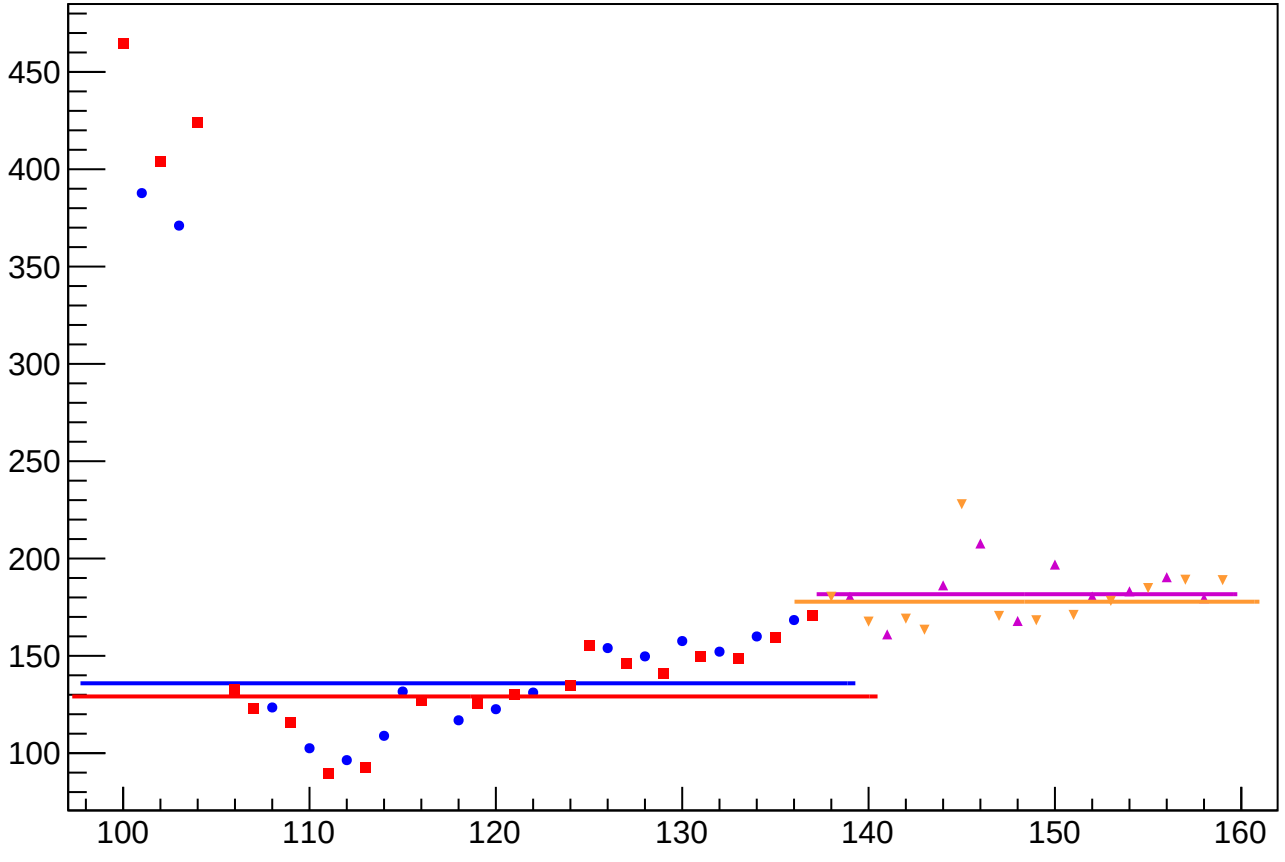
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 155481.536+/-0.041 χ^2/NDF:54238708338.3/2

Out: 155803.286+/-0.038 χ^2/NDF:65590311710.8

All: 155653.194+/-0.028 χ^2/NDF: 11986181

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.817+/-0.041 χ^2/NDF:123799.5/11

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

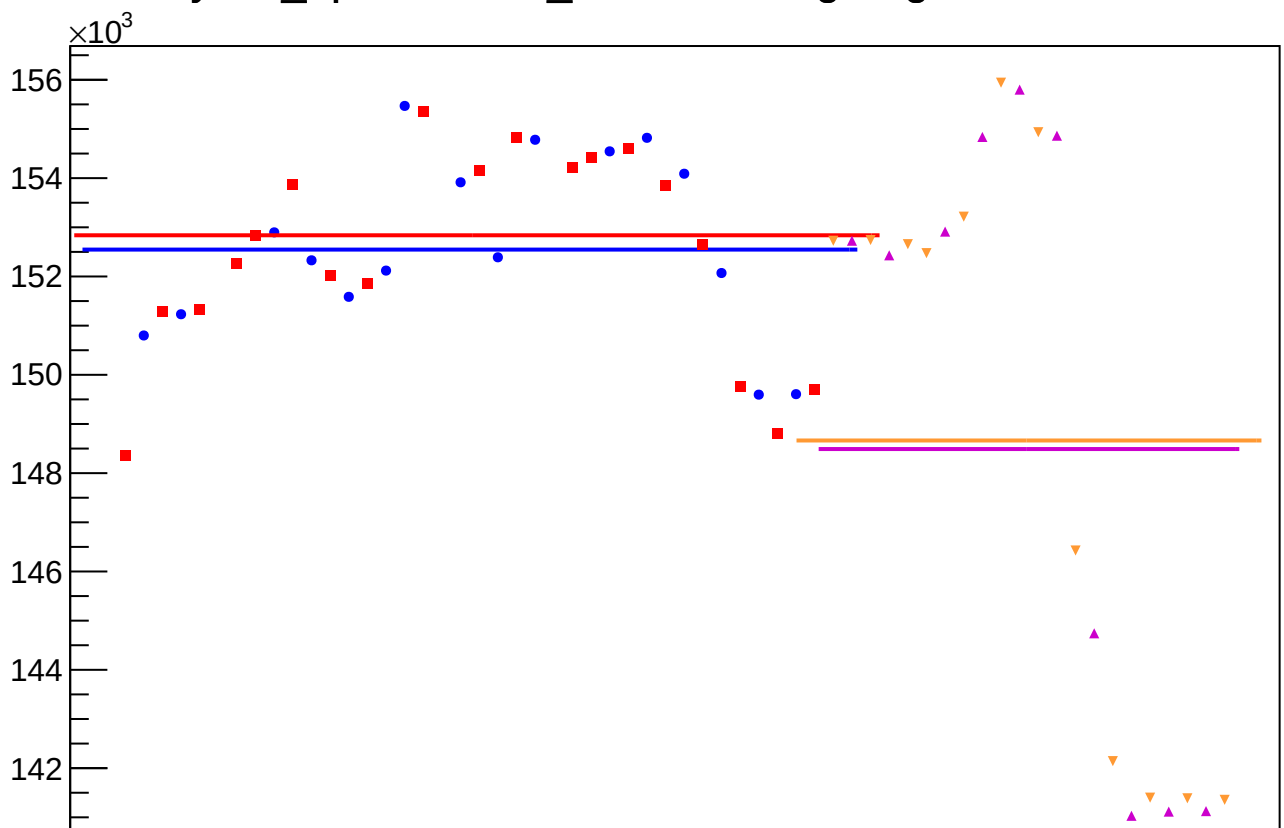
Left: 179.617+/-0.030 χ^2/NDF: 210645.1/21

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 155.823+/-0.029 χ^2/NDF:2110742.9/25

Out: 150.237+/-0.027 χ^2/NDF:2528832.6/30

All: 152.843+/-0.020 χ^2/NDF: 4659347.1/56



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 148664.309+/-0.065 χ^2/NDF:7235084631.6/11

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

Left: 148582.545+/-0.047 χ^2/NDF: 14577394902.2

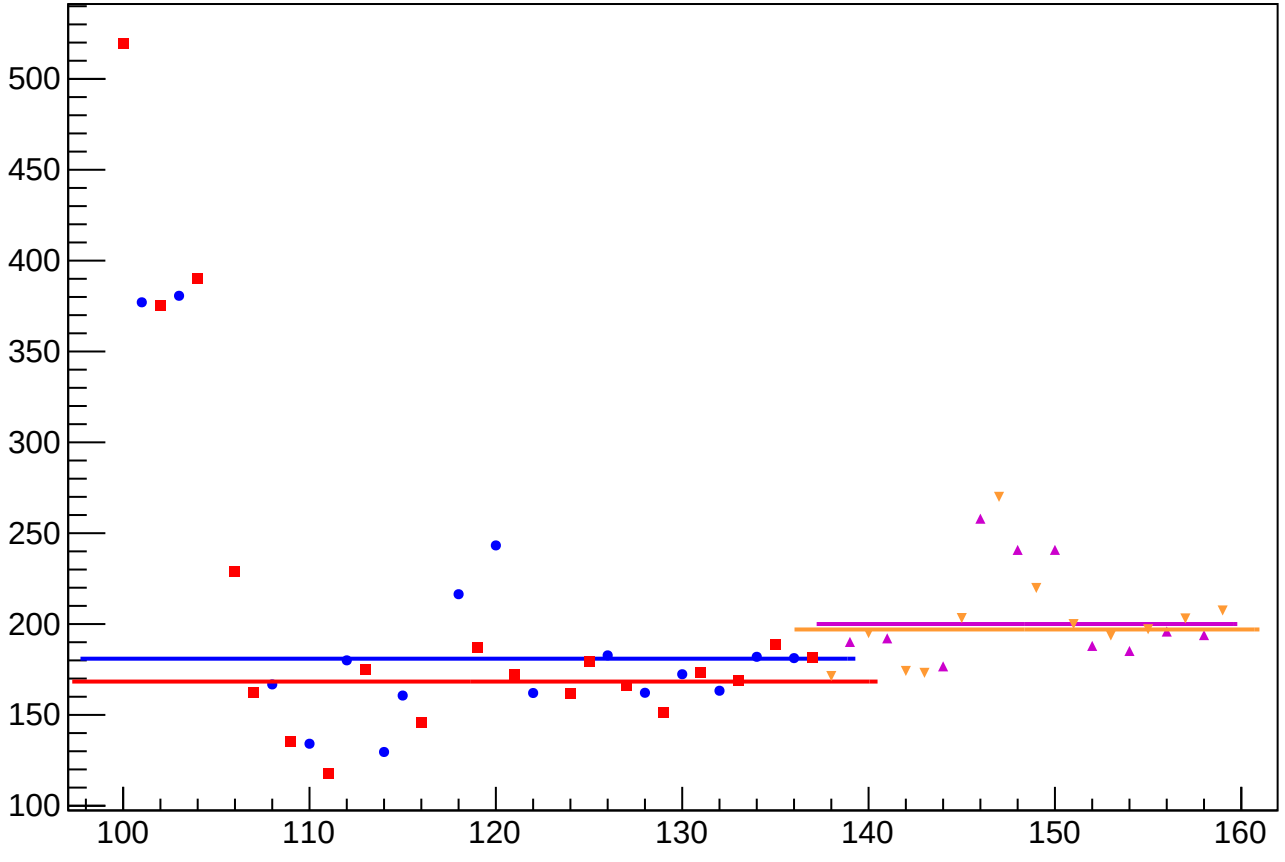
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 150415.470+/-0.050 χ^2/NDF:9633208404.9/25

Out: 150698.247+/-0.047 χ^2/NDF:9981634482.0/3

All: 150567.063+/-0.034 χ^2/NDF: 196319732

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 197.019+/-0.046 χ^2/NDF:224231.1/11

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

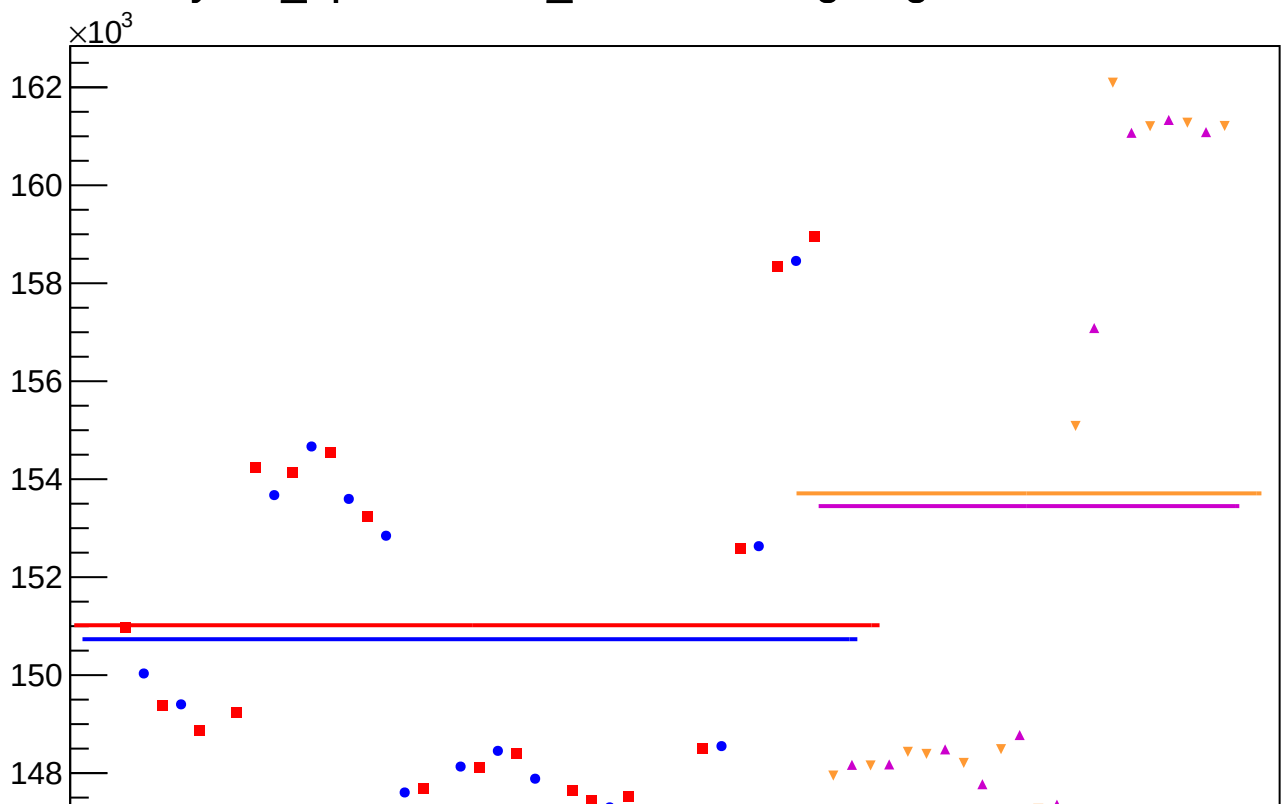
Left: 198.431+/-0.033 χ^2/NDF: 470521.7/21

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.966+/-0.035 χ^2/NDF:1224630.2/25

Out: 183.047+/-0.033 χ^2/NDF:1502984.7/30

All: 186.721+/-0.024 χ^2/NDF: 2754485.2/56



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 153710.547+/-0.062 χ^2/NDF:10177309221.3/11

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 153450.682+/-0.067 χ^2/NDF:8296345019.0/9

Left: 153589.806+/-0.046 χ^2/NDF: 18481764556.7

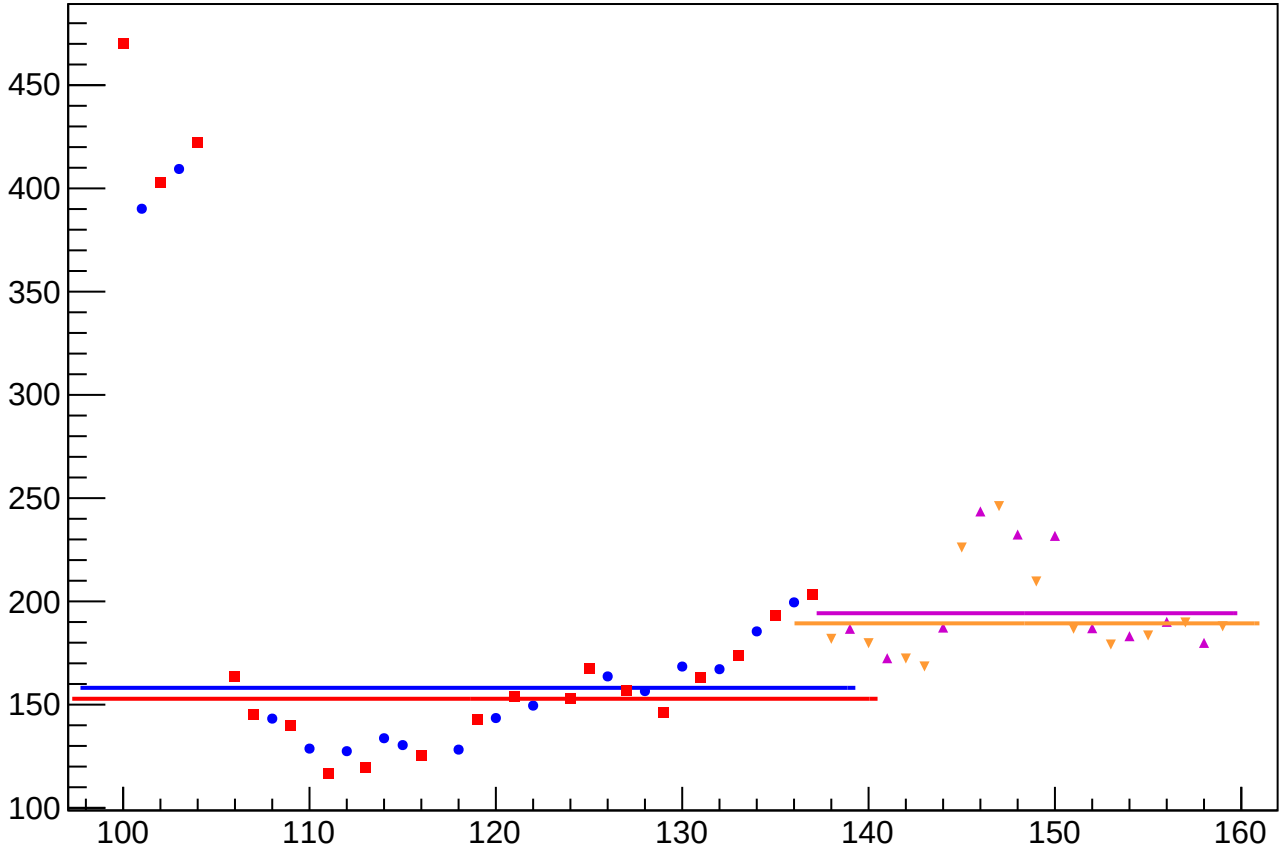
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152011.020+/-0.046 χ^2/NDF:12457806024.5/2

Out: 152317.348+/-0.043 χ^2/NDF:14432907754.8

All: 152173.054+/-0.031 χ^2/NDF: 26914394

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.363+/-0.044 χ^2/NDF:192674.1/11

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.265+/-0.047 χ^2/NDF:216917.4/9

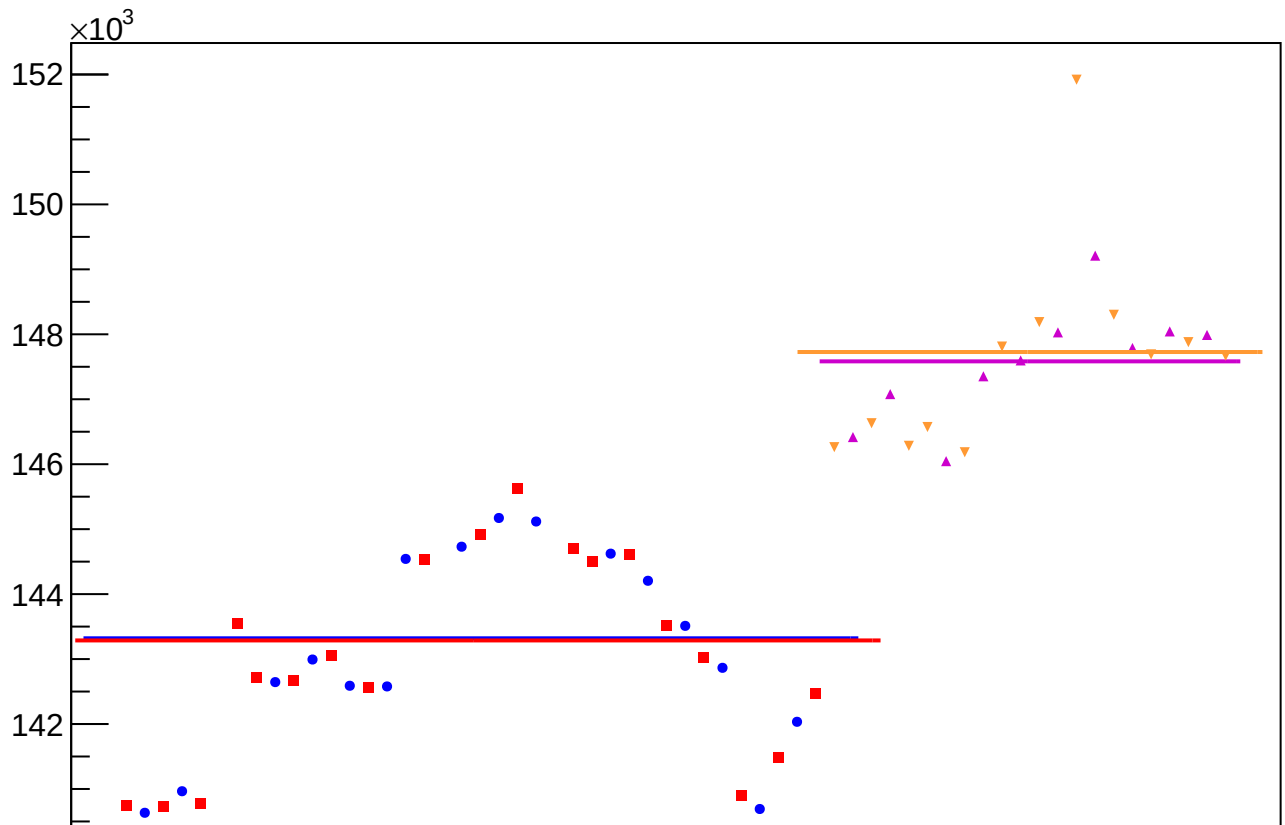
Left: 191.641+/-0.032 χ^2/NDF: 415365.0/21

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 175.125+/-0.032 χ^2/NDF:1722864.0/25

Out: 170.462+/-0.031 χ^2/NDF:1813769.0/30

All: 172.658+/-0.022 χ^2/NDF: 3547608.2/56



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147727.369+/-0.059 χ^2/NDF:669406326.4/11

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147583.452+/-0.063 χ^2/NDF:194750544.9/9

Left: 147660.496+/-0.043 χ^2/NDF: 866912410.9/21

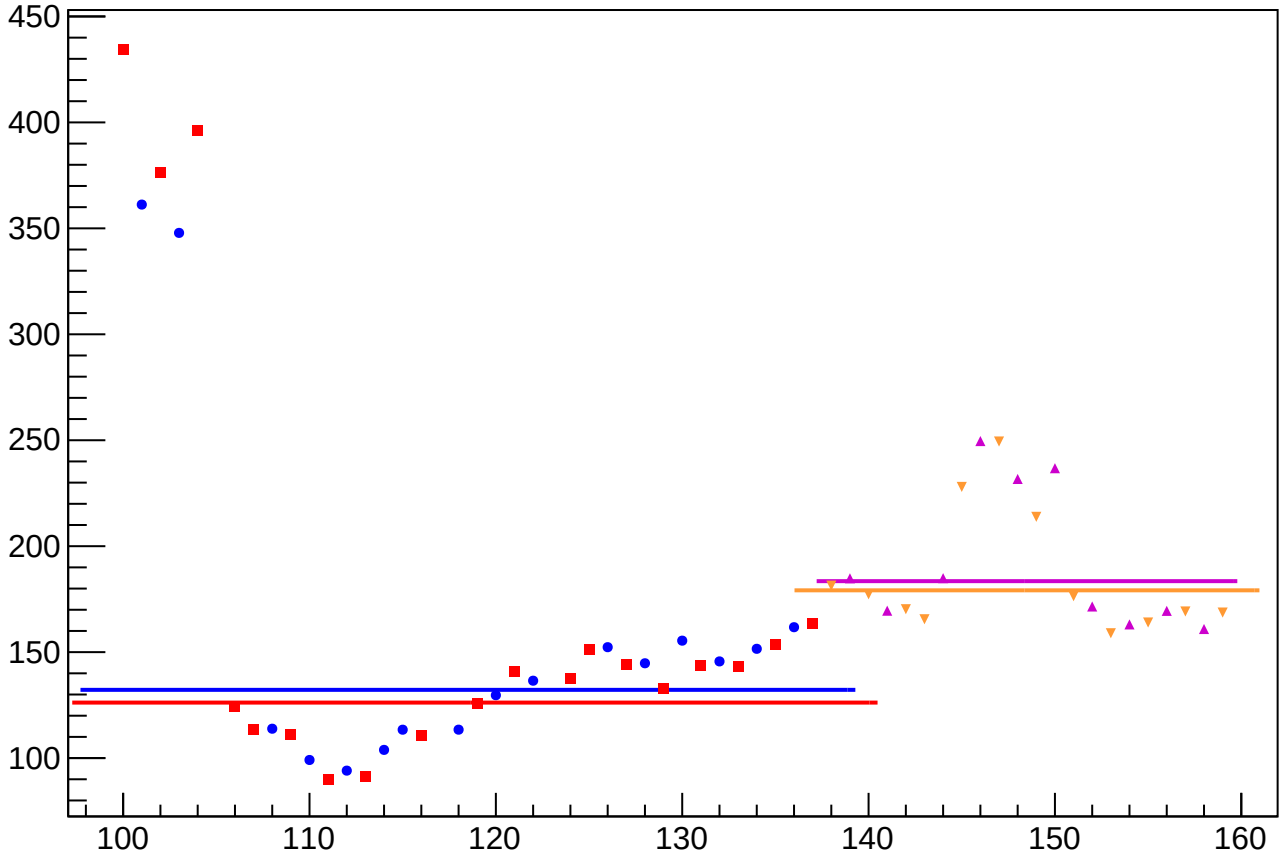
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145077.346+/-0.041 χ^2/NDF:3409600098.5/25

Out: 145126.720+/-0.038 χ^2/NDF:4596300873.5/3

All: 145103.716+/-0.028 χ^2/NDF: 80066858

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 179.168+/-0.042 χ^2/NDF:312814.2/11

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 183.501+/-0.045 χ^2/NDF:376093.0/9

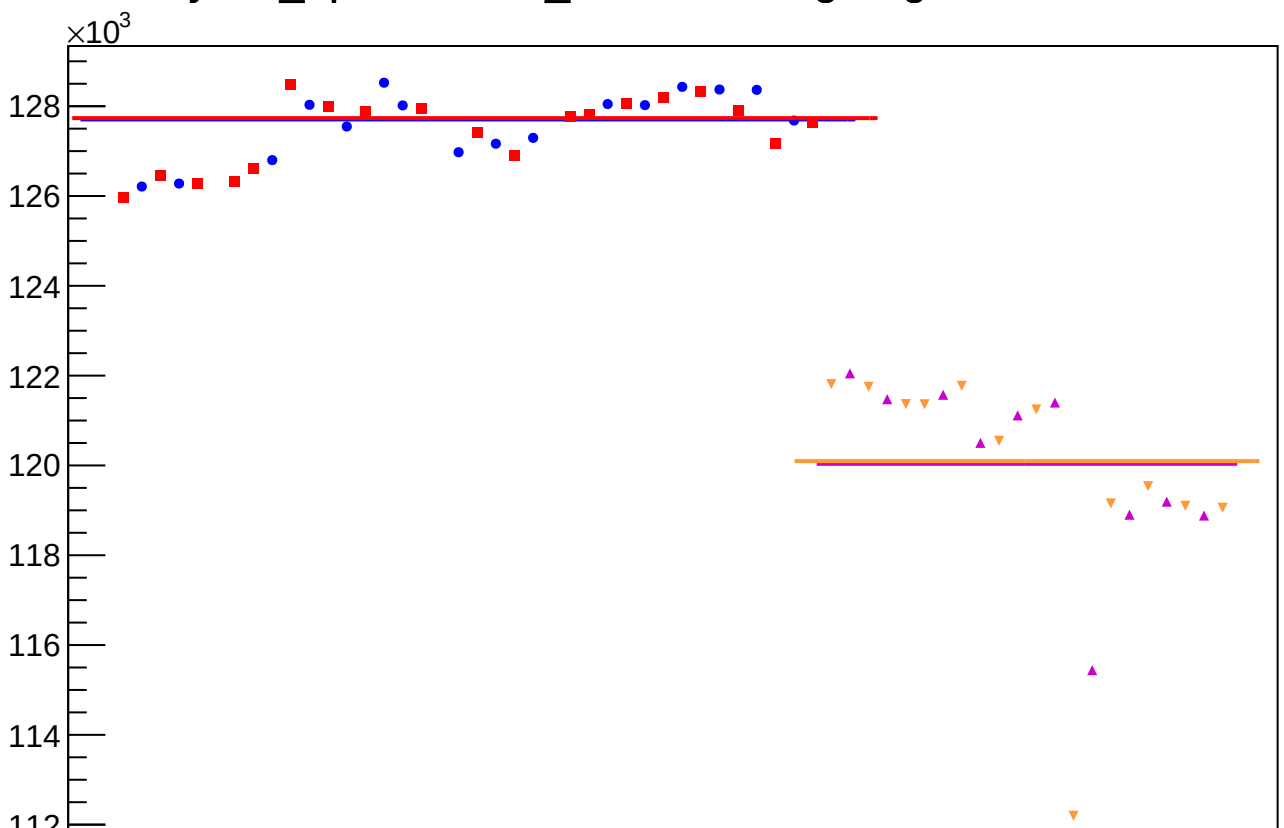
Left: 181.181+/-0.031 χ^2/NDF: 693902.1/21

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 153.350+/-0.029 χ^2/NDF:2523973.3/25

Out: 148.141+/-0.027 χ^2/NDF:2799100.4/30

All: 150.568+/-0.020 χ^2/NDF: 5340552.0/56



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120096.125+/-0.057 χ^2/NDF:1751063046.0/11

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 120036.200+/-0.059 χ^2/NDF:1132661866.3/9

Left: 120066.869+/-0.041 χ^2/NDF: 2884261059.4/2

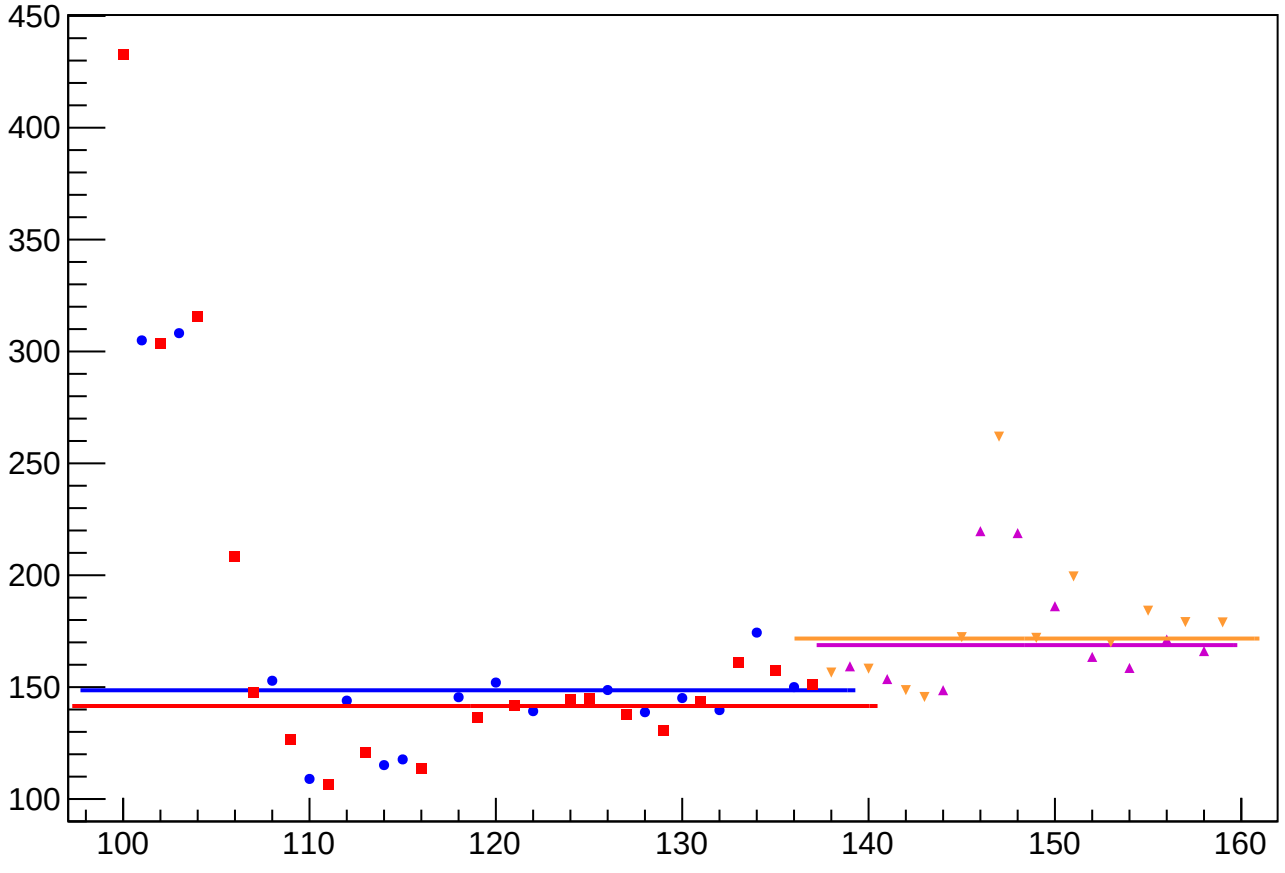
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123879.301+/-0.041 χ^2/NDF:9835367671.4/25

Out: 124069.954+/-0.040 χ^2/NDF:11143247274.1

All: 123978.735+/-0.029 χ^2/NDF: 20989700

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 171.712+/-0.040 χ^2/NDF:332964.5/11

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 168.776+/-0.041 χ^2/NDF:256143.0/9

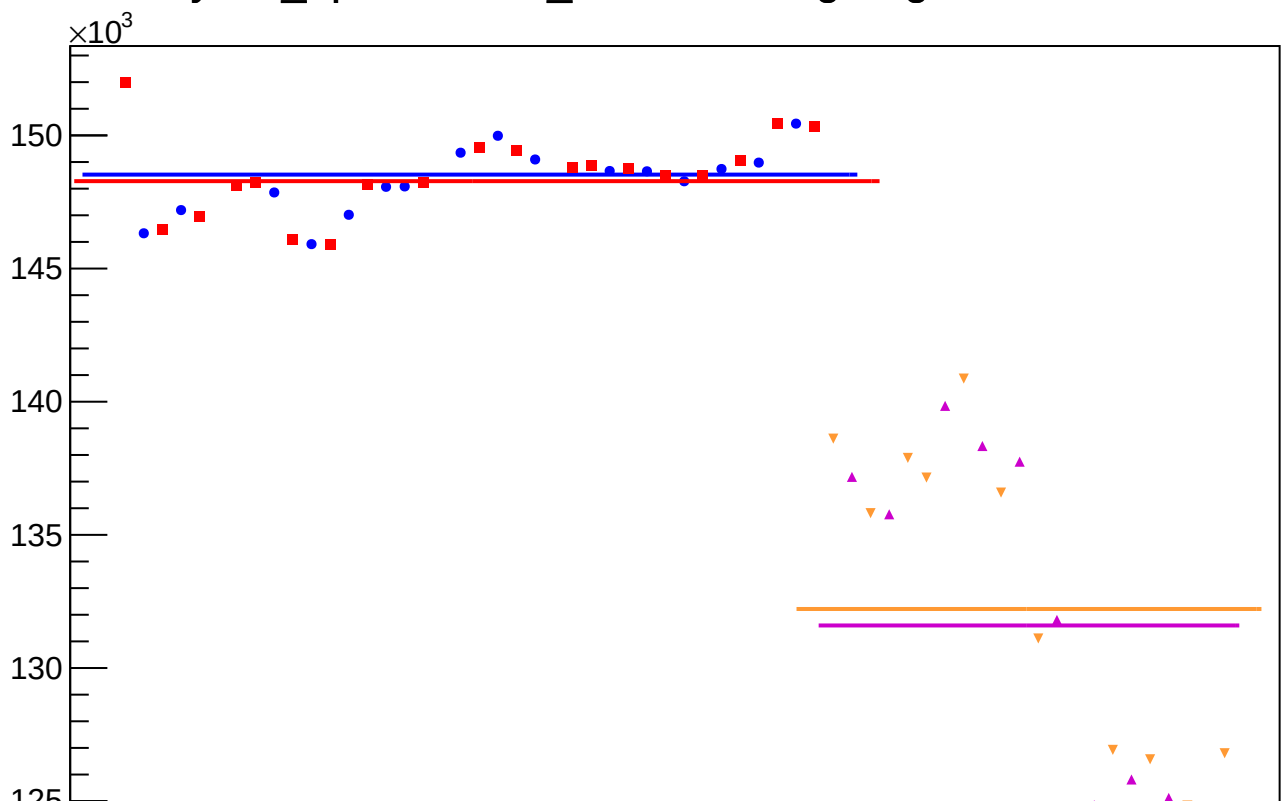
Left: 170.279+/-0.029 χ^2/NDF: 591683.0/21

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 158.662+/-0.029 χ^2/NDF:1202945.4/25

Out: 156.027+/-0.028 χ^2/NDF:1623428.6/30

All: 157.288+/-0.020 χ^2/NDF: 2830606.8/56



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 132216.857+/-0.083 χ^2/NDF:4624810177.0/11

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 131597.965+/-0.086 χ^2/NDF:4913053824.8/9

Left: 131917.220+/-0.060 χ^2/NDF: 9564533409.2/2

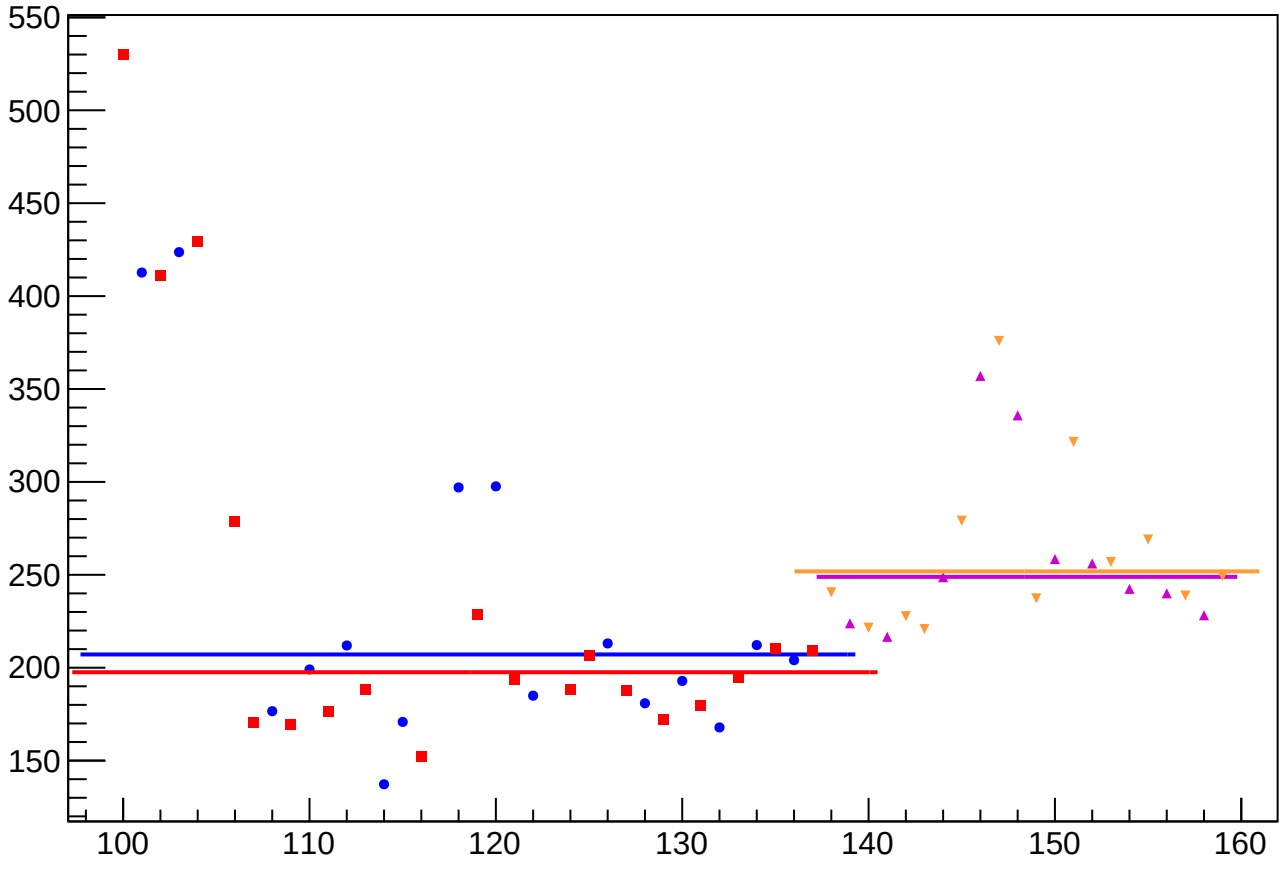
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 140479.066+/-0.059 χ^2/NDF:25416679824.2/2

Out: 140929.192+/-0.056 χ^2/NDF:25048415072.1

All: 140715.532+/-0.041 χ^2/NDF: 504953145

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 251.842+/-0.059 χ^2/NDF:361691.8/11

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.893+/-0.061 χ^2/NDF:349392.4/9

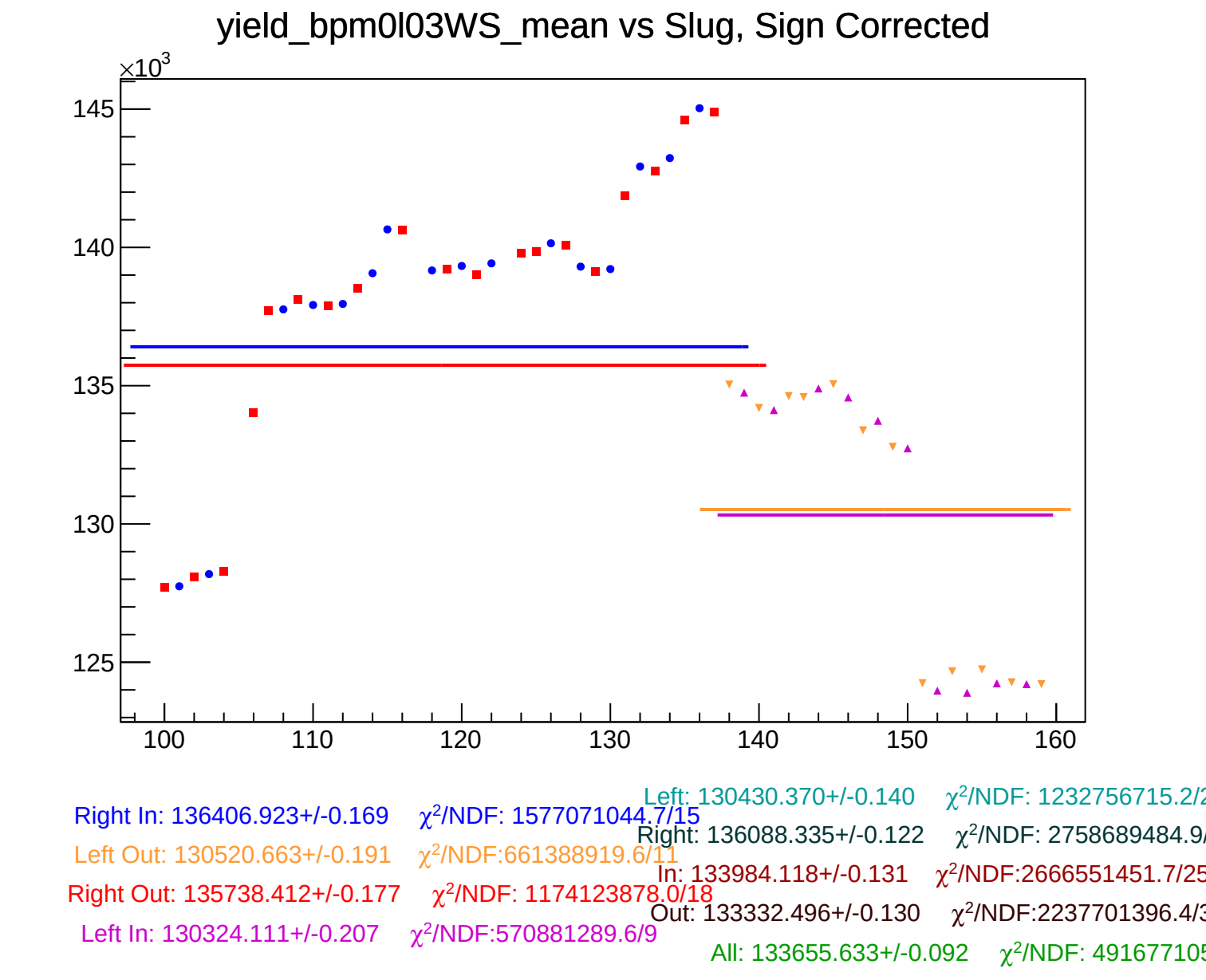
Left: 250.415+/-0.042 χ^2/NDF: 712295.2/21

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

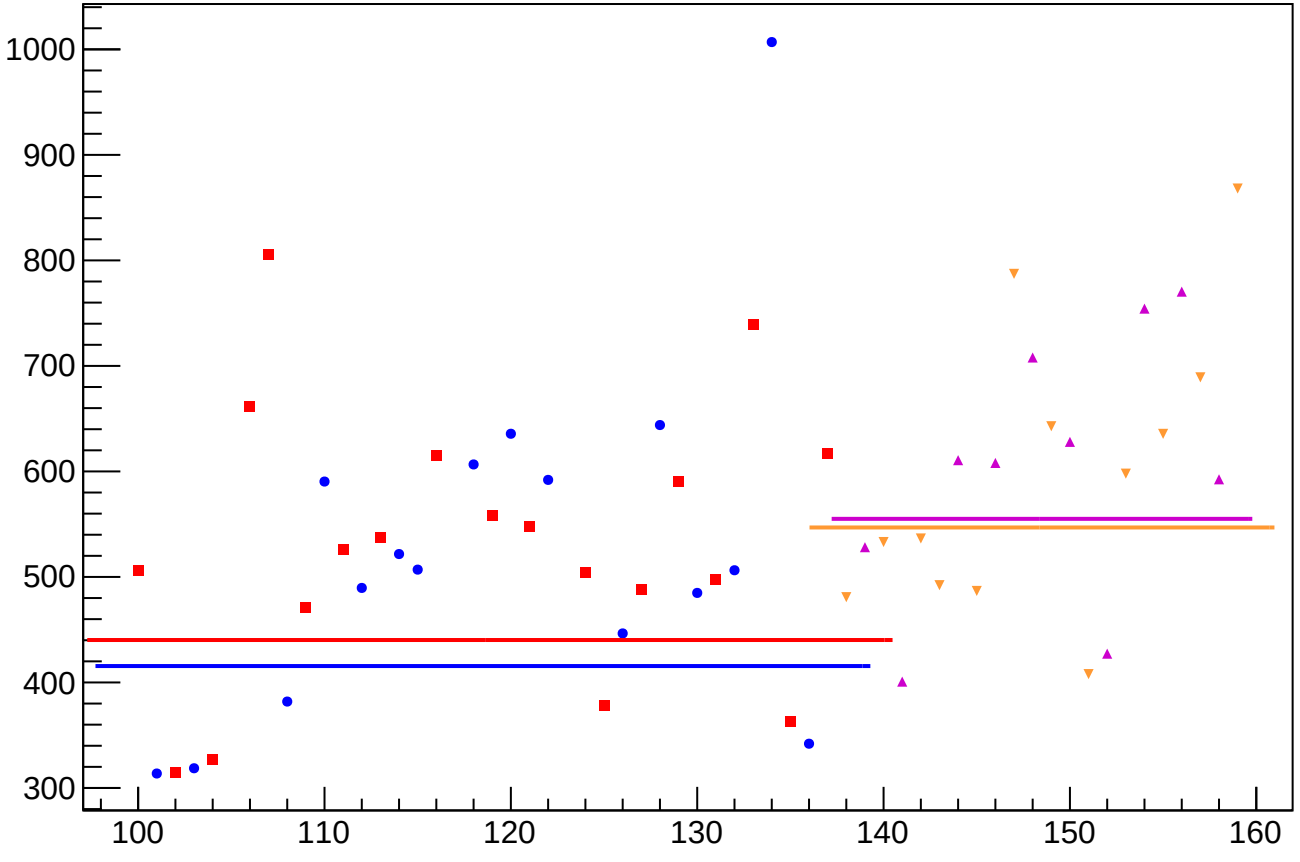
In: 226.988+/-0.042 χ^2/NDF:1568552.5/25

Out: 222.410+/-0.040 χ^2/NDF:1725122.9/30

All: 224.583+/-0.029 χ^2/NDF: 3299925.0/56


yield_bpm0l03WS_mean vs Slug, Sign Corrected
×10^3
145
140
135
130
125
100
110
120
130
140
150
160
Right In: 136406.923+/-0.169 χ²/NDF: 1577071044.7/15
Left Out: 130520.663+/-0.191 χ²/NDF:661388919.6/11
Right Out: 135738.412+/-0.177 χ²/NDF: 1174123878.0/18
Left In: 130324.111+/-0.207 χ²/NDF:570881289.6/9
Left: 130430.370+/-0.140 χ²/NDF: 1232756715.2/2
Right: 136088.335+/-0.122 χ²/NDF: 2758689484.9/
In: 133984.118+/-0.131 χ²/NDF:2666551451.7/25
Out: 133332.496+/-0.130 χ²/NDF:2237701396.4/3
All: 133655.633+/-0.092 χ²/NDF: 491677105

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 546.880+/-0.135 χ^2/NDF:704878.6/11

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 555.057+/-0.147 χ^2/NDF:674714.7/9

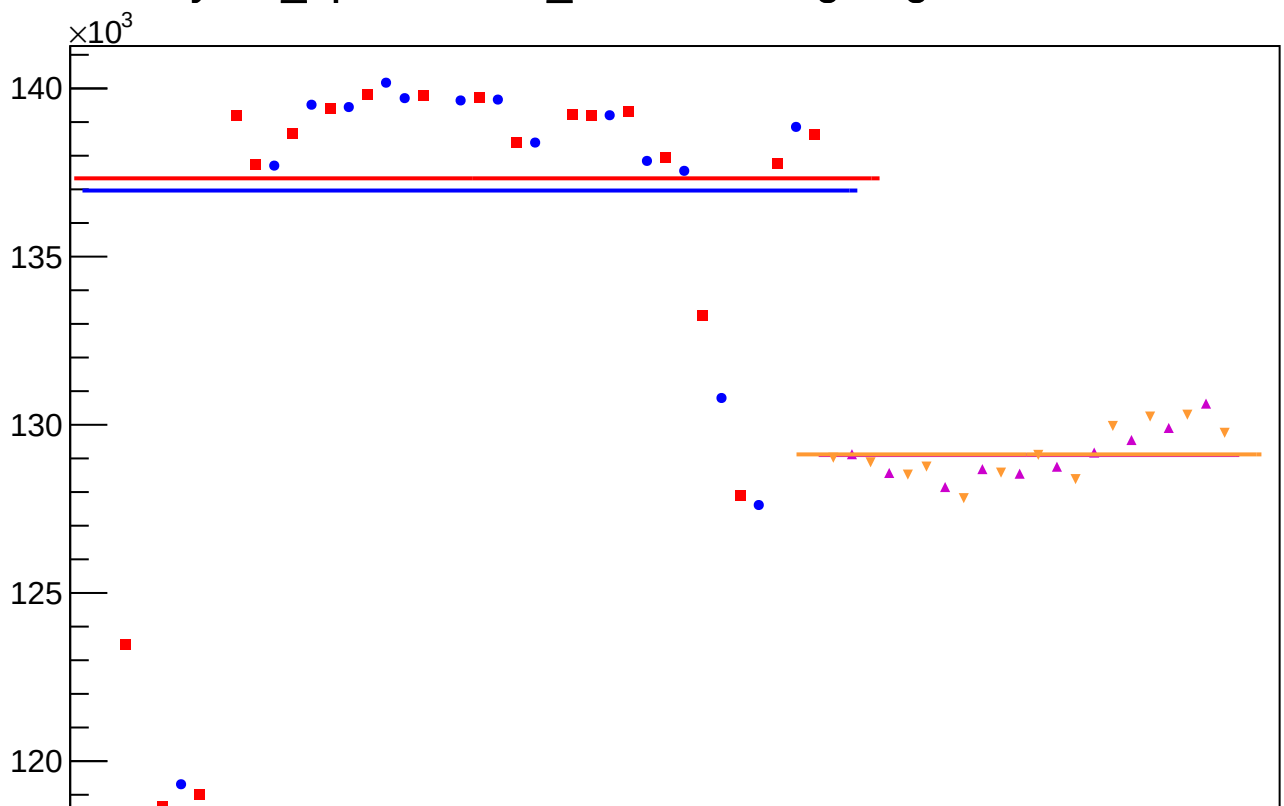
Left: 550.636+/-0.099 χ^2/NDF: 1381277.3/21

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 471.114+/-0.092 χ^2/NDF:2251897.2/25

Out: 489.400+/-0.092 χ^2/NDF:1951803.6/30

All: 480.332+/-0.065 χ^2/NDF: 4223415.2/56



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129119.879+/-0.061 χ^2/NDF:145598731.6/11

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129100.259+/-0.064 χ^2/NDF:125032066.8/9

Left: 129110.537+/-0.044 χ^2/NDF: 270679765.2/21

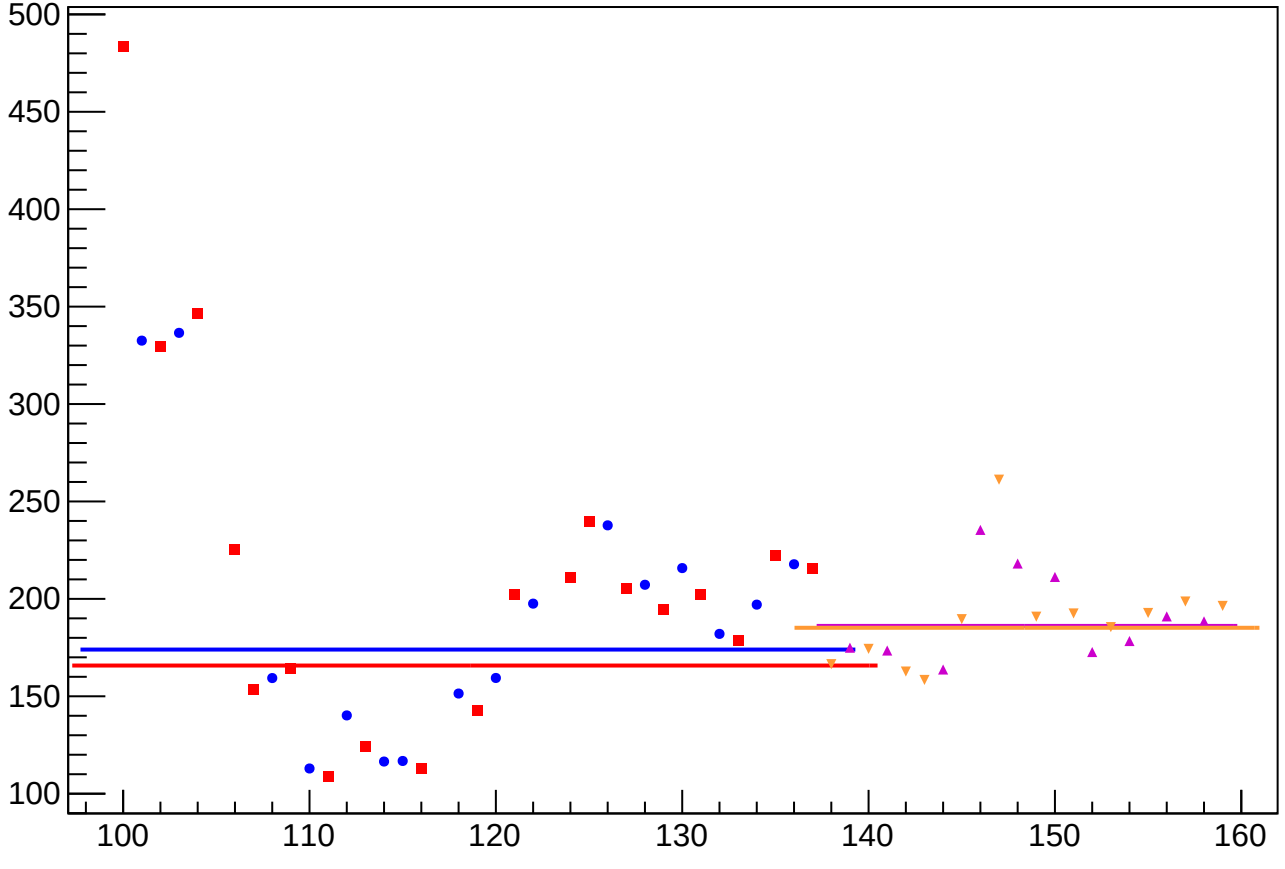
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132706.896+/-0.047 χ^2/NDF:12820721675.1/2

Out: 132936.111+/-0.045 χ^2/NDF:14251543361.6

All: 132827.650+/-0.032 χ^2/NDF: 270846792

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 185.159+/-0.043 χ^2/NDF:245448.3/11

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.116+/-0.045 χ^2/NDF:200596.8/9

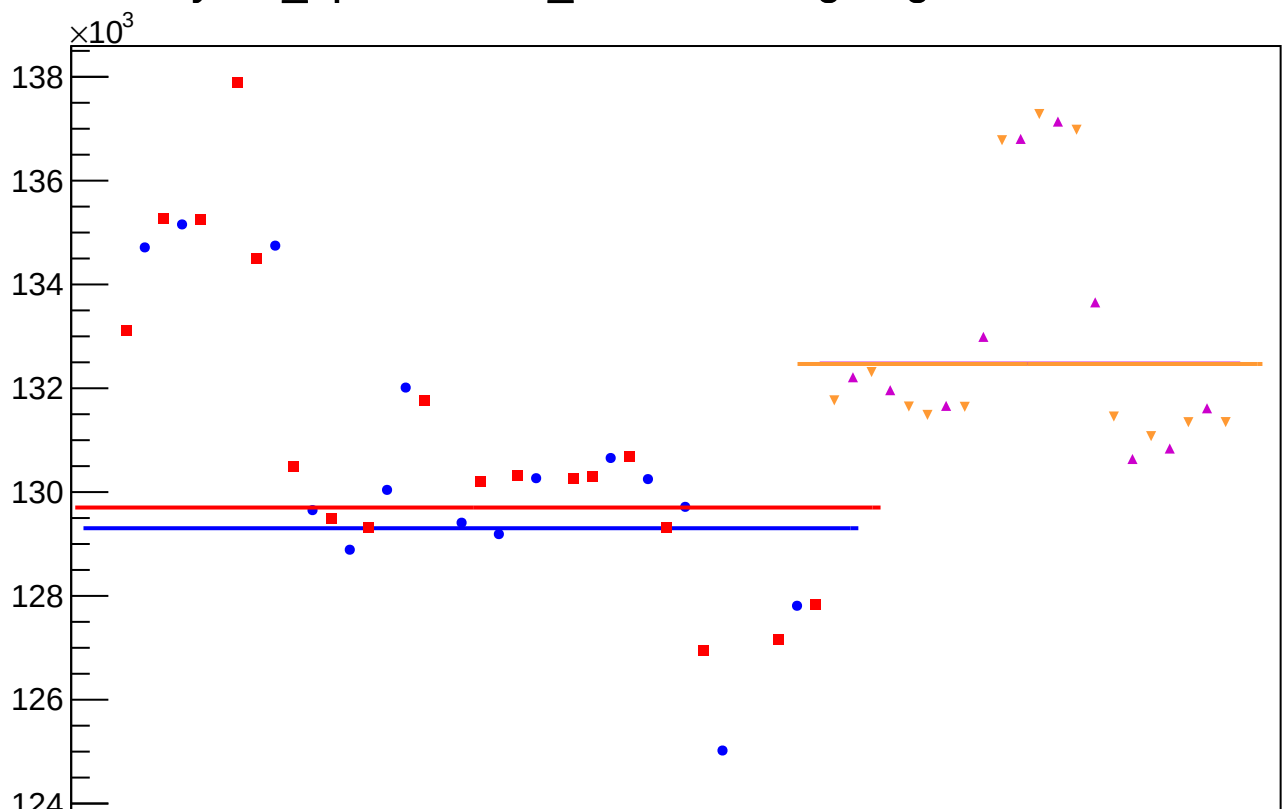
Left: 185.614+/-0.031 χ^2/NDF: 446278.2/21

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 180.551+/-0.033 χ^2/NDF:1421880.4/25

Out: 176.148+/-0.032 χ^2/NDF:1771904.7/30

All: 178.232+/-0.023 χ^2/NDF: 3202945.4/56



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132467.987+/-0.062 χ^2/NDF:1080475847.3/11

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132475.592+/-0.065 χ^2/NDF:799715668.7/9

Left: 132471.621+/-0.045 χ^2/NDF: 1880198665.6/2

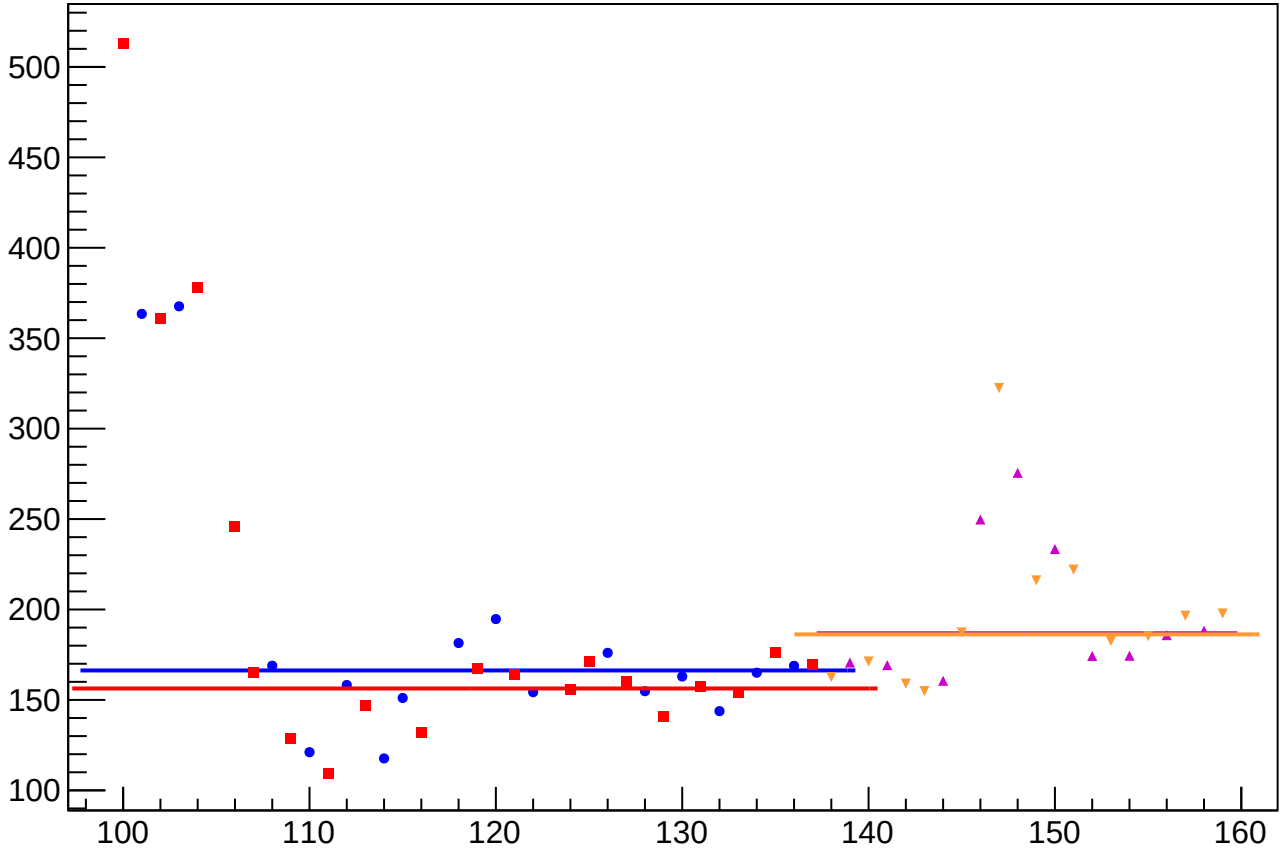
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130919.031+/-0.046 χ^2/NDF:3618836804.8/25

Out: 131071.226+/-0.044 χ^2/NDF:3857518599.2/3

All: 130999.582+/-0.032 χ^2/NDF: 74820552

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 186.243+/-0.044 χ^2/NDF:508590.8/11

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.872+/-0.046 χ^2/NDF:446886.2/9

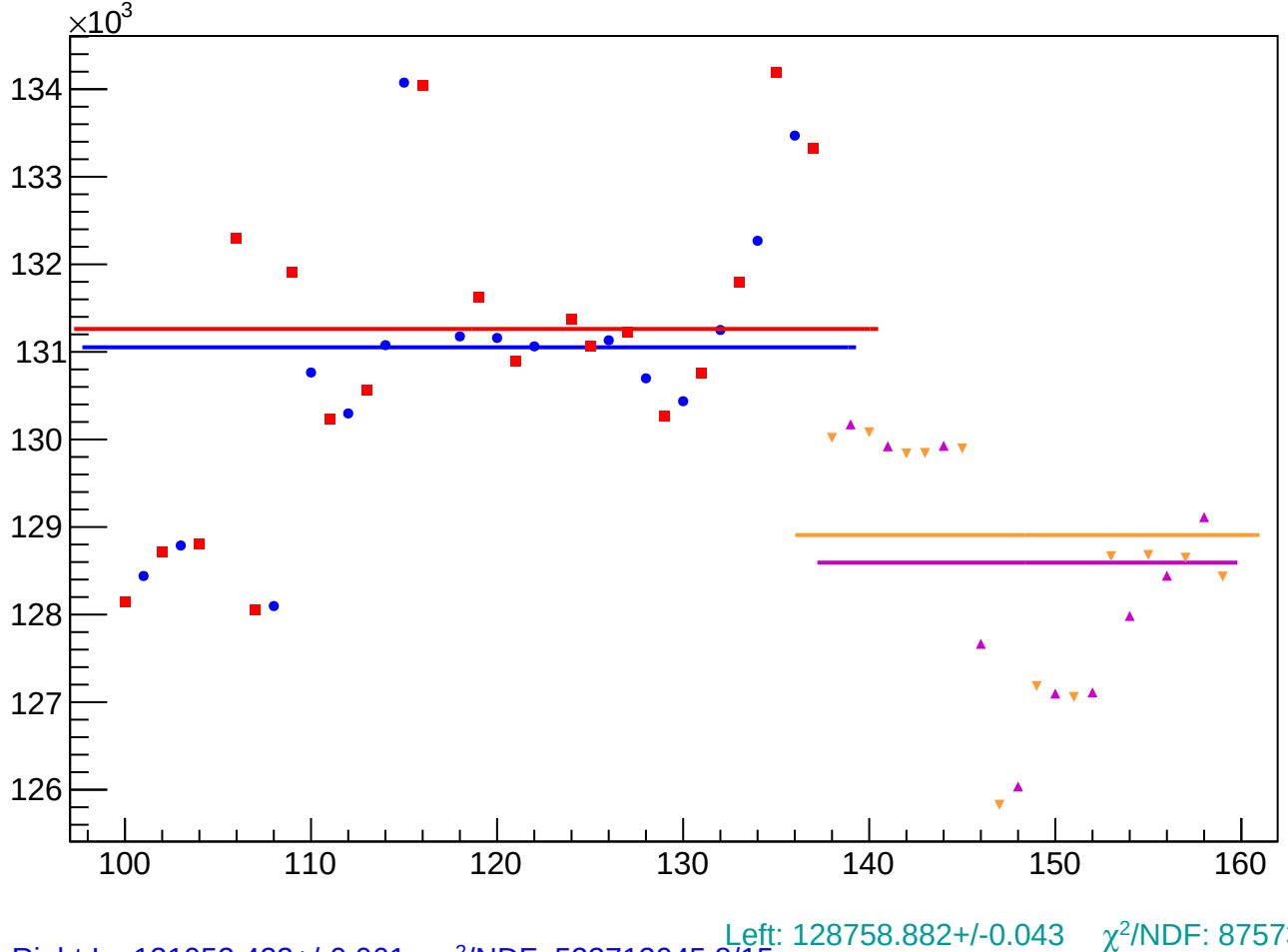
Left: 186.543+/-0.032 χ^2/NDF: 955574.8/21

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 176.777+/-0.033 χ^2/NDF:1483157.6/25

Out: 171.136+/-0.031 χ^2/NDF:1915205.2/30

All: 173.792+/-0.022 χ^2/NDF: 3414020.8/56



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128908.675+/-0.059 χ^2/NDF:411100077.2/11

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128593.640+/-0.062 χ^2/NDF:451072380.9/9

Left: 128758.882+/-0.043 χ^2/NDF: 875730824.8/21

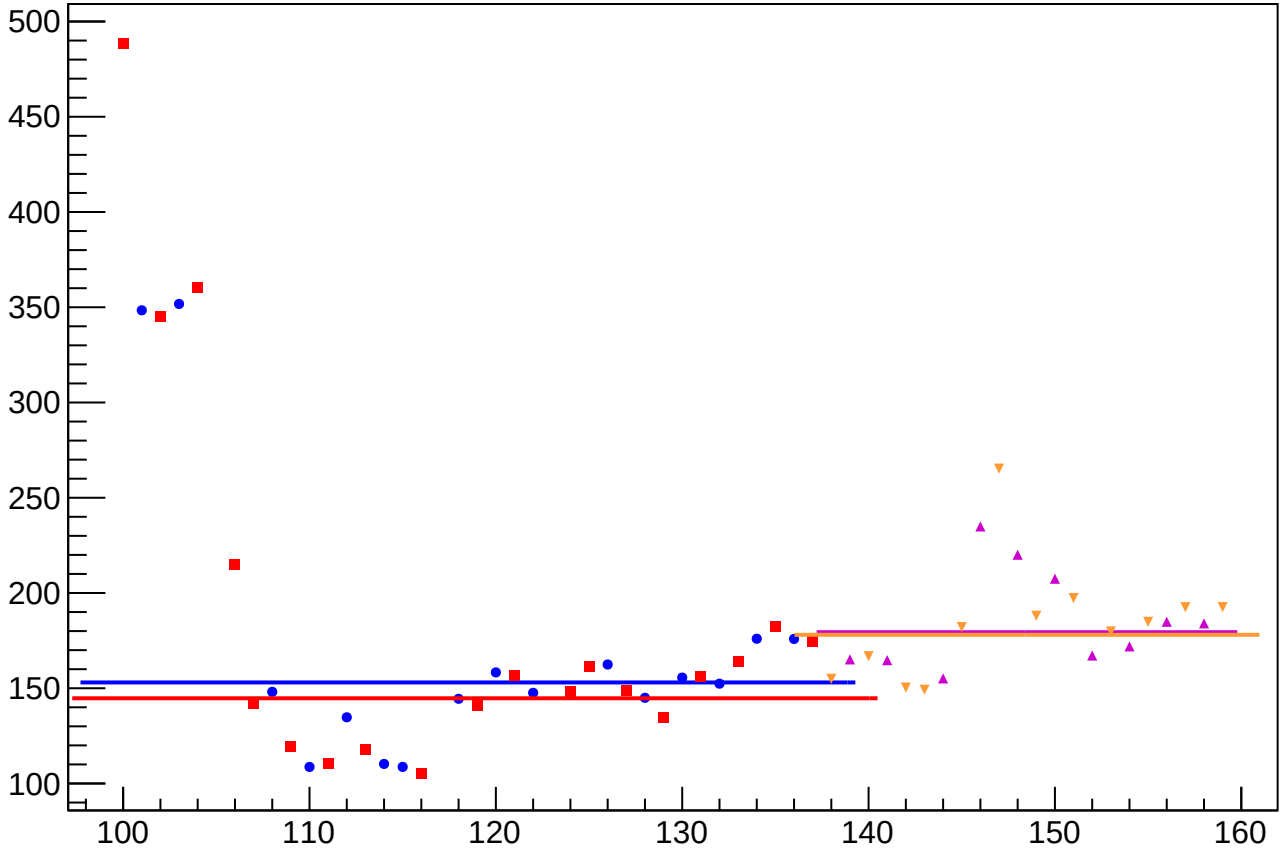
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129849.562+/-0.043 χ^2/NDF:1779072725.4/25

Out: 130132.879+/-0.041 χ^2/NDF:1843201397.6/3

All: 129999.532+/-0.030 χ^2/NDF: 36448950

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 178.056+/-0.042 χ^2/NDF:348444.4/11

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.410+/-0.044 χ^2/NDF:269612.4/9

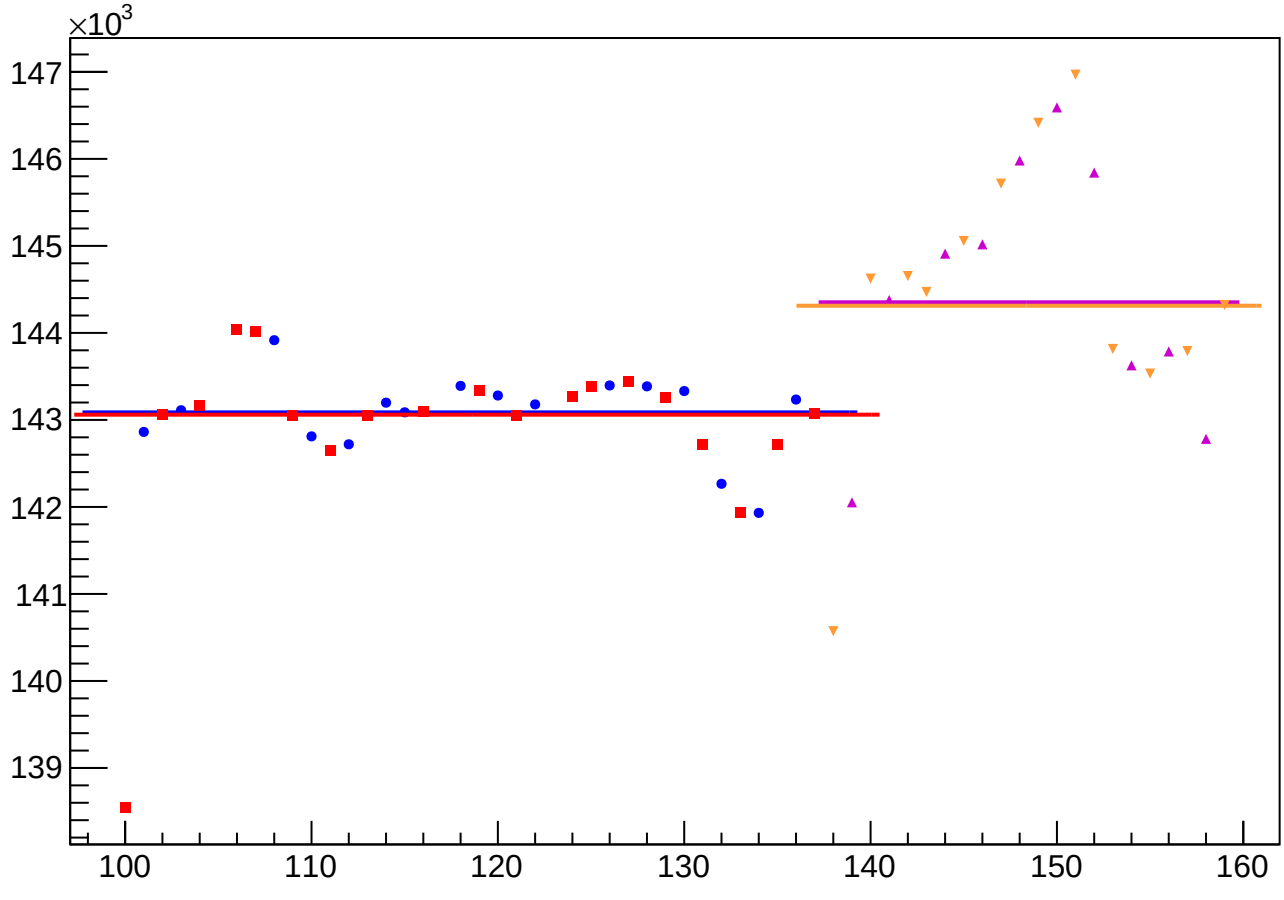
Left: 178.700+/-0.030 χ^2/NDF: 618557.5/21

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 165.942+/-0.031 χ^2/NDF:1514063.5/25

Out: 160.722+/-0.029 χ^2/NDF:1943812.4/30

All: 163.179+/-0.021 χ^2/NDF: 3473233.4/56



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144312.451+/-0.069 χ^2/NDF:566664469.5/11

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144351.800+/-0.071 χ^2/NDF:368914894.6/9

Left: 144331.331+/-0.049 χ^2/NDF: 935737453.3/21

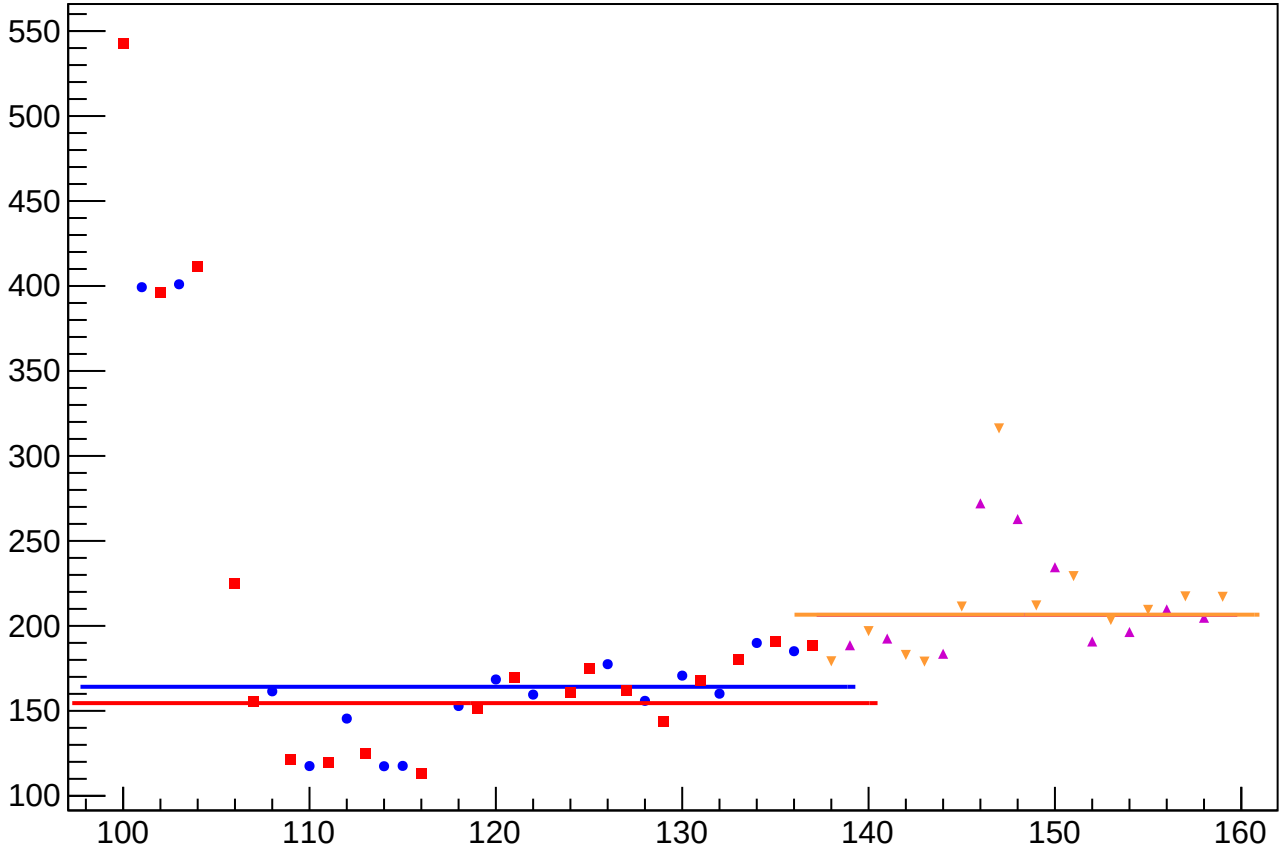
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143660.885+/-0.048 χ^2/NDF:587227657.1/25

Out: 143610.121+/-0.045 χ^2/NDF:805523870.1/30

All: 143634.057+/-0.033 χ^2/NDF: 13933403

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 206.594+/-0.048 χ^2/NDF:313828.4/11

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.439+/-0.050 χ^2/NDF:268997.5/9

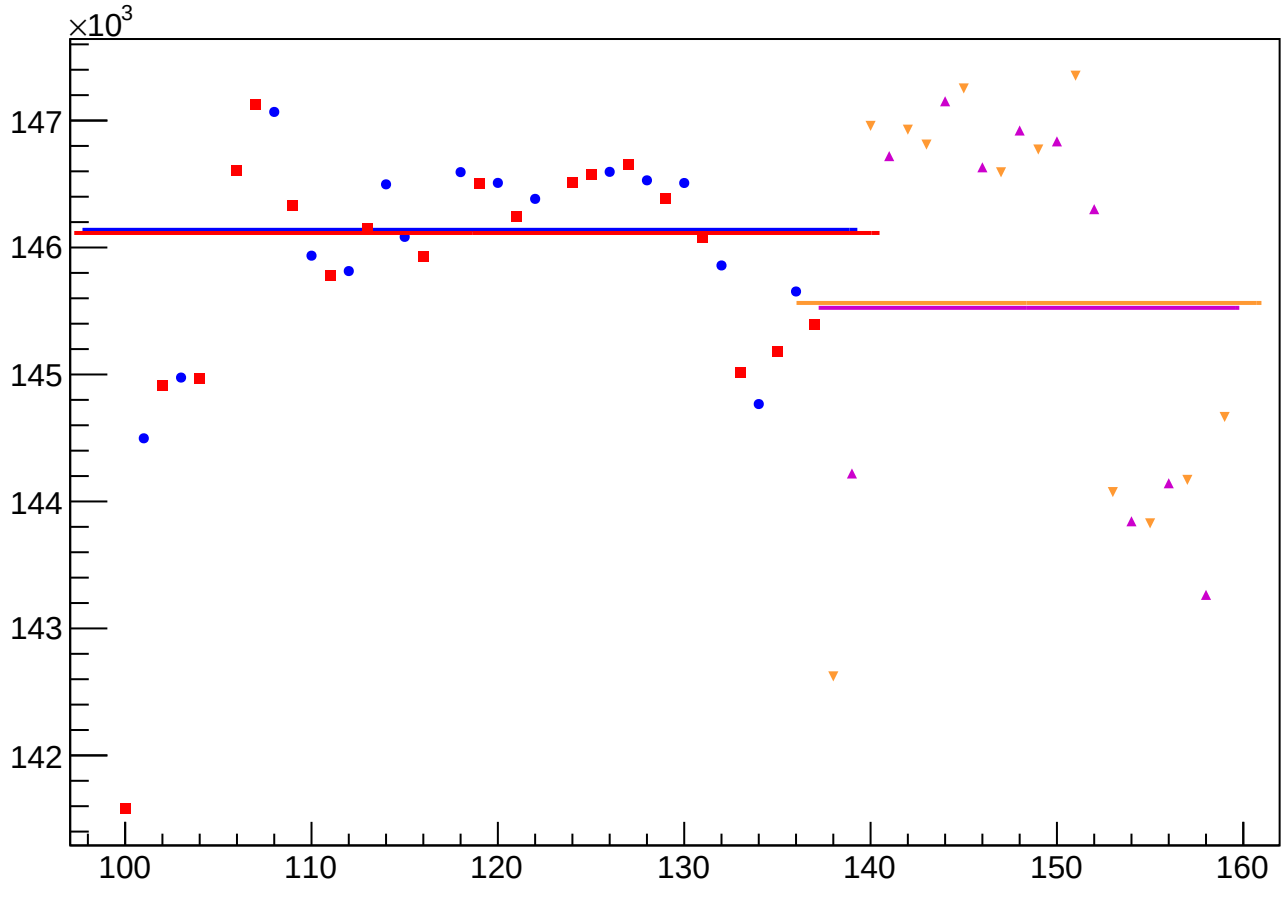
Left: 206.520+/-0.035 χ^2/NDF: 582830.8/21

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 183.357+/-0.034 χ^2/NDF:1781789.9/25

Out: 177.408+/-0.032 χ^2/NDF:2327015.2/30

All: 180.213+/-0.023 χ^2/NDF: 4124979.7/56



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145563.405+/-0.068 χ^2/NDF:592938378.9/11

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145524.988+/-0.071 χ^2/NDF:431755661.5/9

Left: 145545.067+/-0.049 χ^2/NDF: 1024847727.1/2

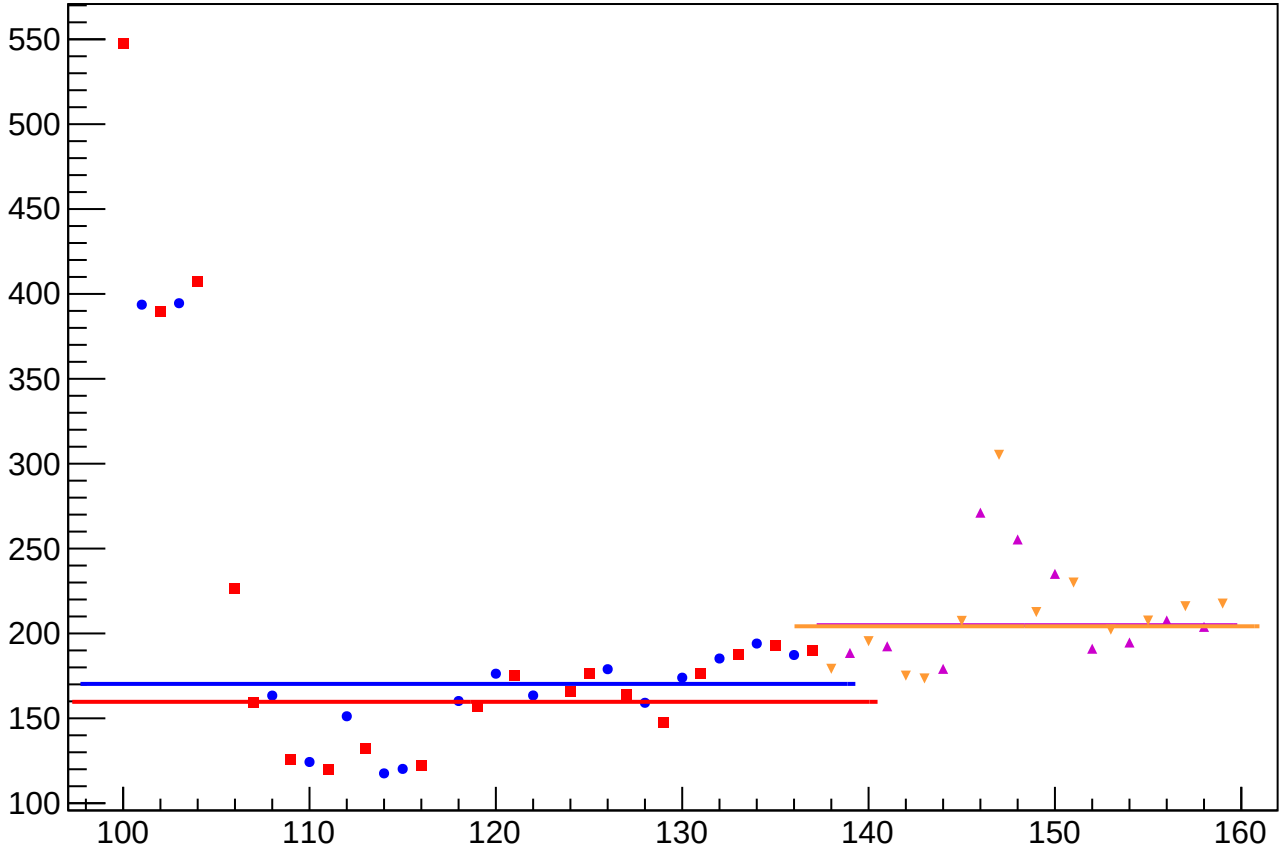
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145847.446+/-0.049 χ^2/NDF:542941672.0/25

Out: 145861.015+/-0.046 χ^2/NDF:701816748.5/30

All: 145854.647+/-0.033 χ^2/NDF: 12447994(

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 204.216+/-0.048 χ^2/NDF:319996.0/11

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.862+/-0.050 χ^2/NDF:266143.6/9

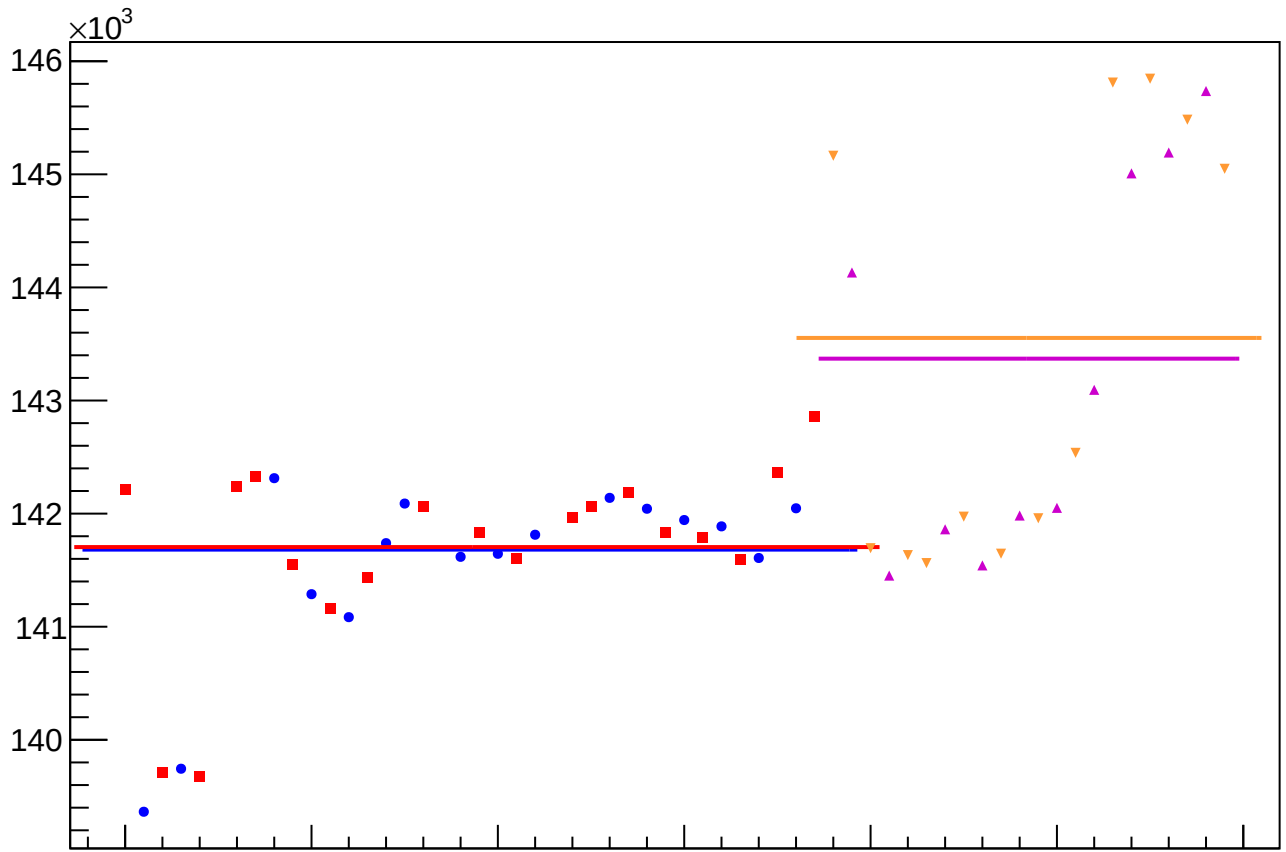
Left: 204.524+/-0.035 χ^2/NDF: 586226.6/21

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 186.707+/-0.035 χ^2/NDF:1573966.2/25

Out: 180.187+/-0.032 χ^2/NDF:2077725.8/30

All: 183.247+/-0.024 χ^2/NDF: 3670618.1/56



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143553.458+/-0.072 χ^2/NDF:634430461.0/11

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143370.204+/-0.074 χ^2/NDF:447762560.4/9

Left: 143464.948+/-0.052 χ^2/NDF: 1085327188.3/2

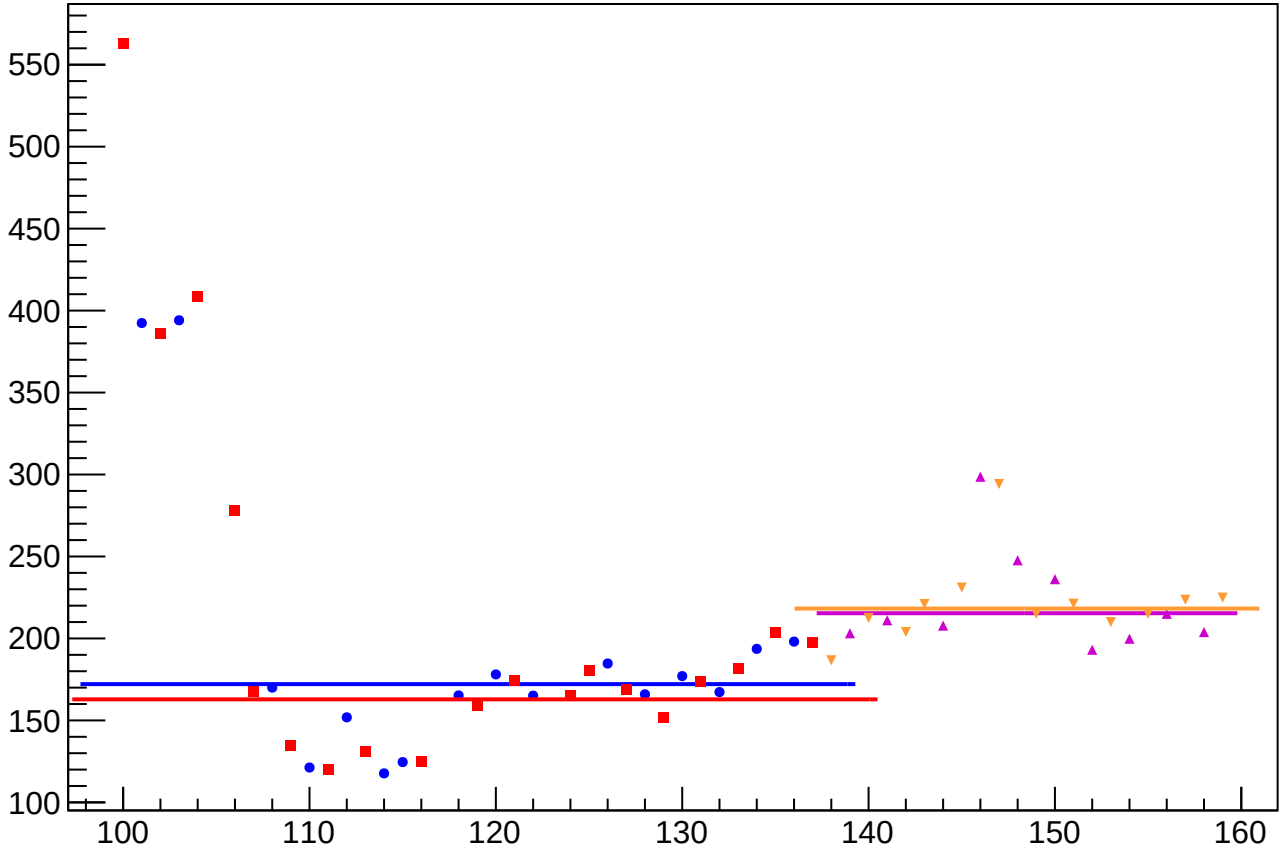
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142453.289+/-0.050 χ^2/NDF:791509585.0/25

Out: 142518.251+/-0.048 χ^2/NDF:1069876141.1/3

All: 142487.479+/-0.035 χ^2/NDF: 18622632

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.239+/-0.051 χ^2/NDF:169410.8/11

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.387+/-0.053 χ^2/NDF:223392.5/9

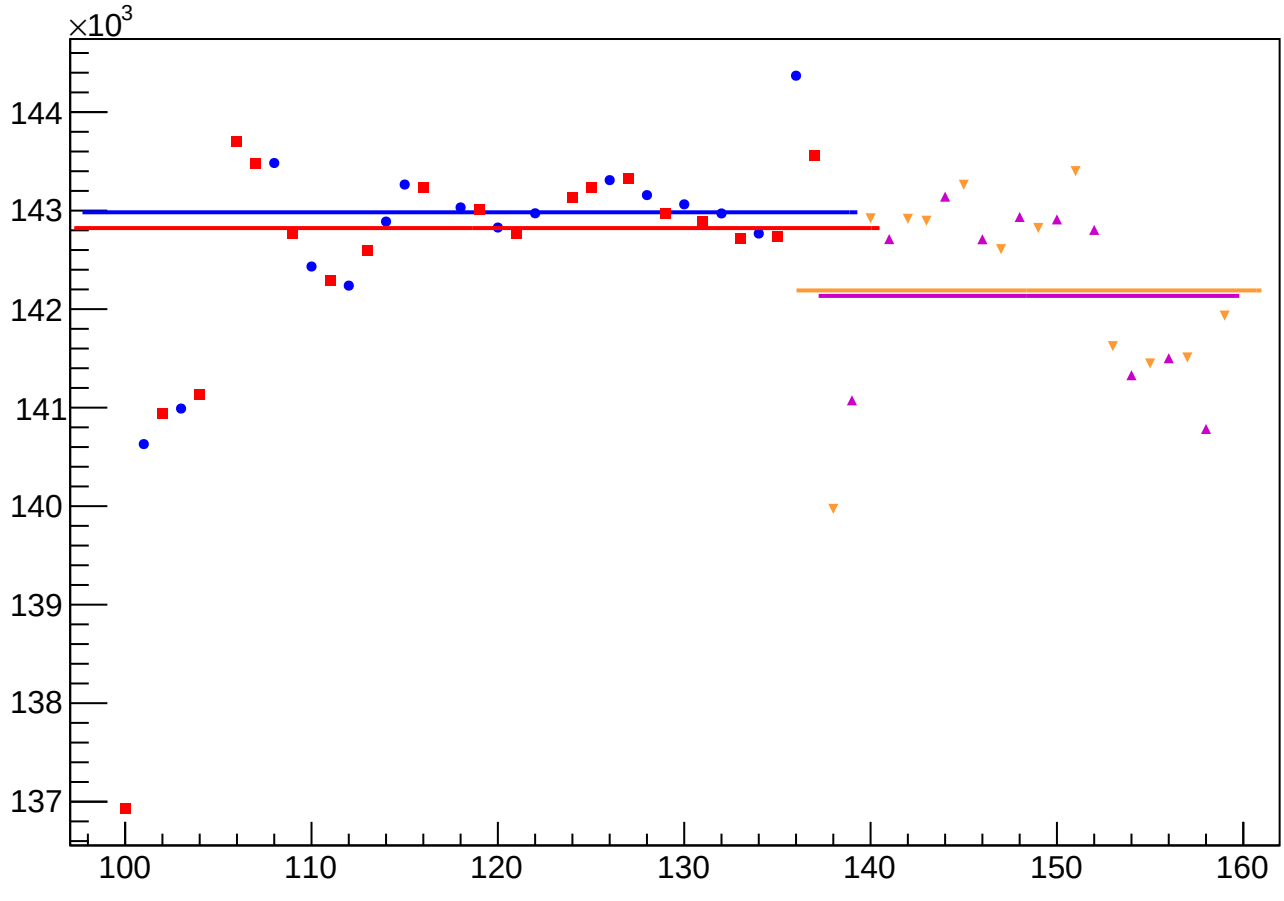
Left: 216.861+/-0.037 χ^2/NDF: 394321.6/21

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 191.900+/-0.036 χ^2/NDF:1658707.5/25

Out: 187.230+/-0.034 χ^2/NDF:2139105.3/30

All: 189.442+/-0.024 χ^2/NDF: 3806882.4/56



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142189.661+/-0.066 χ^2/NDF:238865538.7/11

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142134.127+/-0.069 χ^2/NDF:161379614.9/9

Left: 142163.132+/-0.048 χ^2/NDF: 400580343.8/21

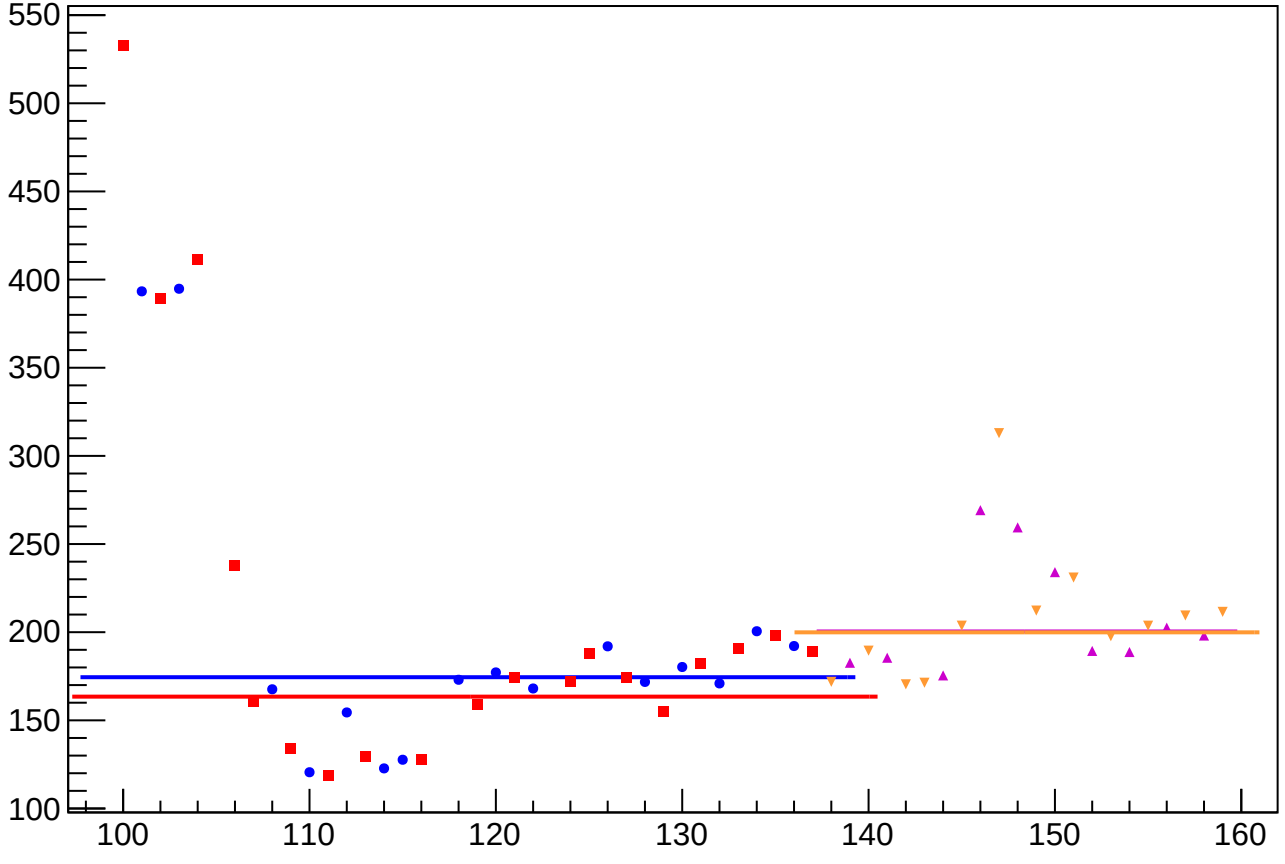
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142559.867+/-0.049 χ^2/NDF:344279846.6/25

Out: 142517.194+/-0.046 χ^2/NDF:349621613.1/30

All: 142537.235+/-0.034 χ^2/NDF: 69430462

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 199.916+/-0.047 χ^2/NDF:373204.3/11

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.409+/-0.049 χ^2/NDF:309253.8/9

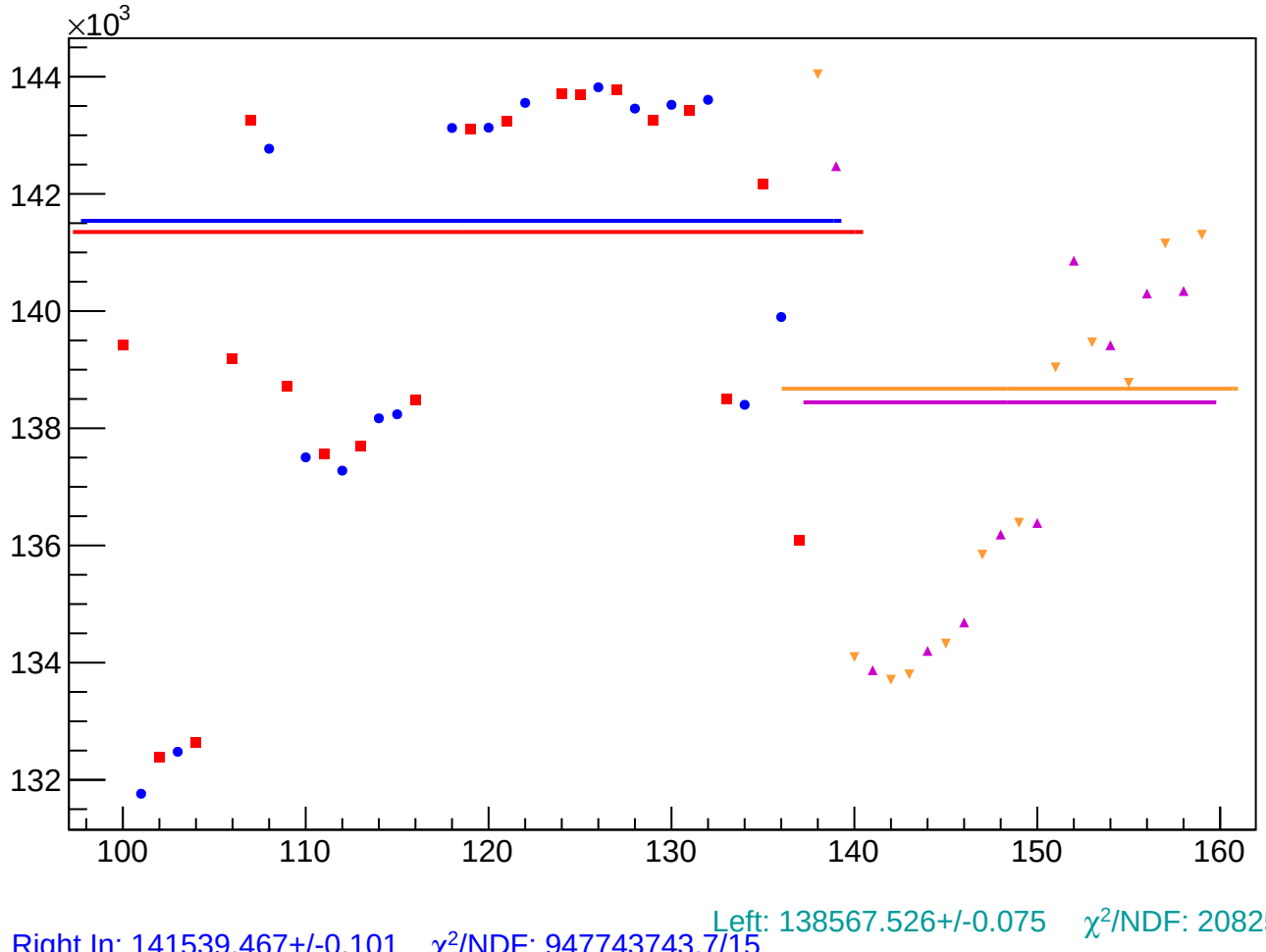
Left: 200.152+/-0.034 χ^2/NDF: 682510.8/21

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 187.398+/-0.035 χ^2/NDF:1498851.1/25

Out: 181.049+/-0.033 χ^2/NDF:1968787.4/30

All: 184.031+/-0.024 χ^2/NDF: 3485490.9/56



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138675.486+/-0.102 χ^2/NDF:1257258648.2/11

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138443.475+/-0.110 χ^2/NDF:822908380.9/9

Left: 138567.526+/-0.075 χ^2/NDF: 2082560053.4/2

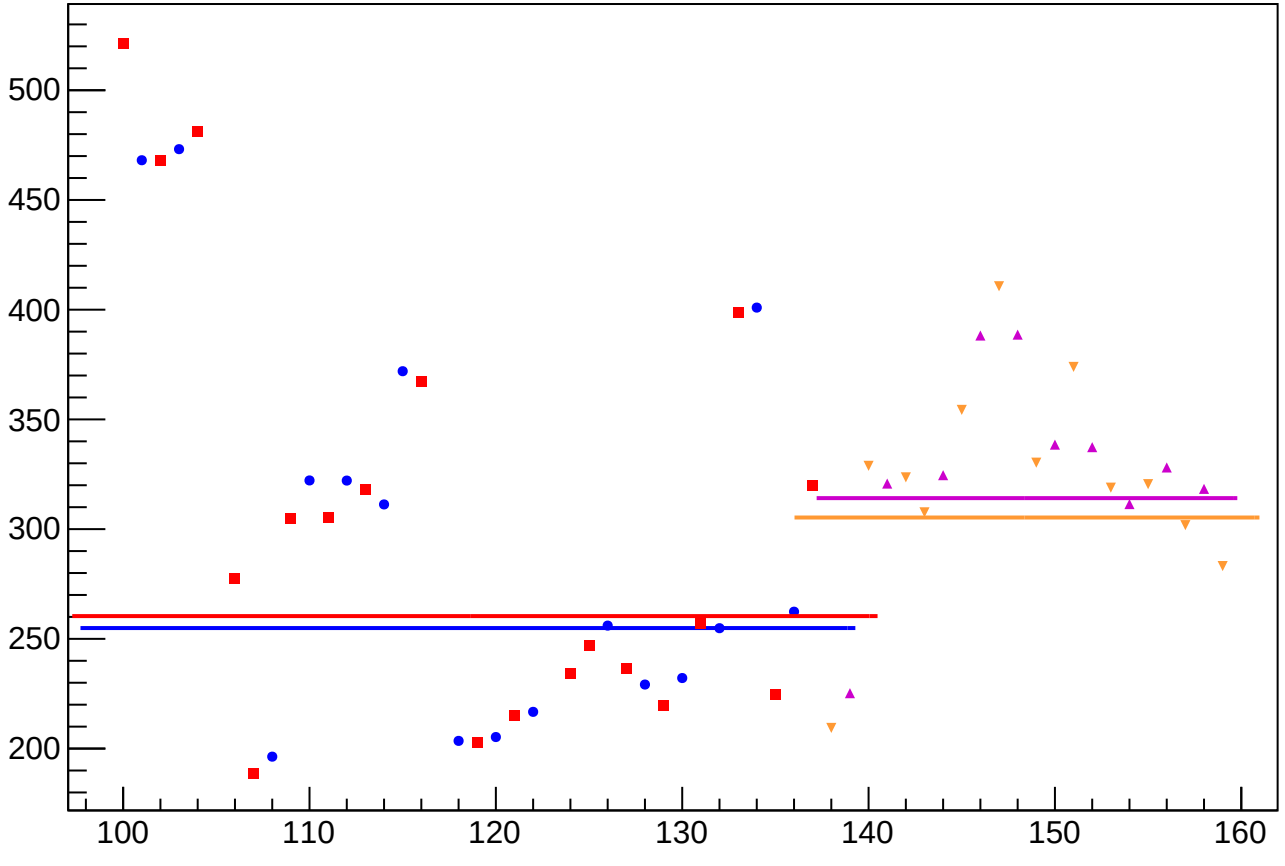
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140121.528+/-0.074 χ^2/NDF:2202613543.6/25

Out: 140028.982+/-0.072 χ^2/NDF:2529695218.8/3

All: 140073.785+/-0.052 χ^2/NDF: 47331108

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.294+/-0.072 χ^2/NDF:543697.2/11

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 314.127+/-0.078 χ^2/NDF:394642.9/9

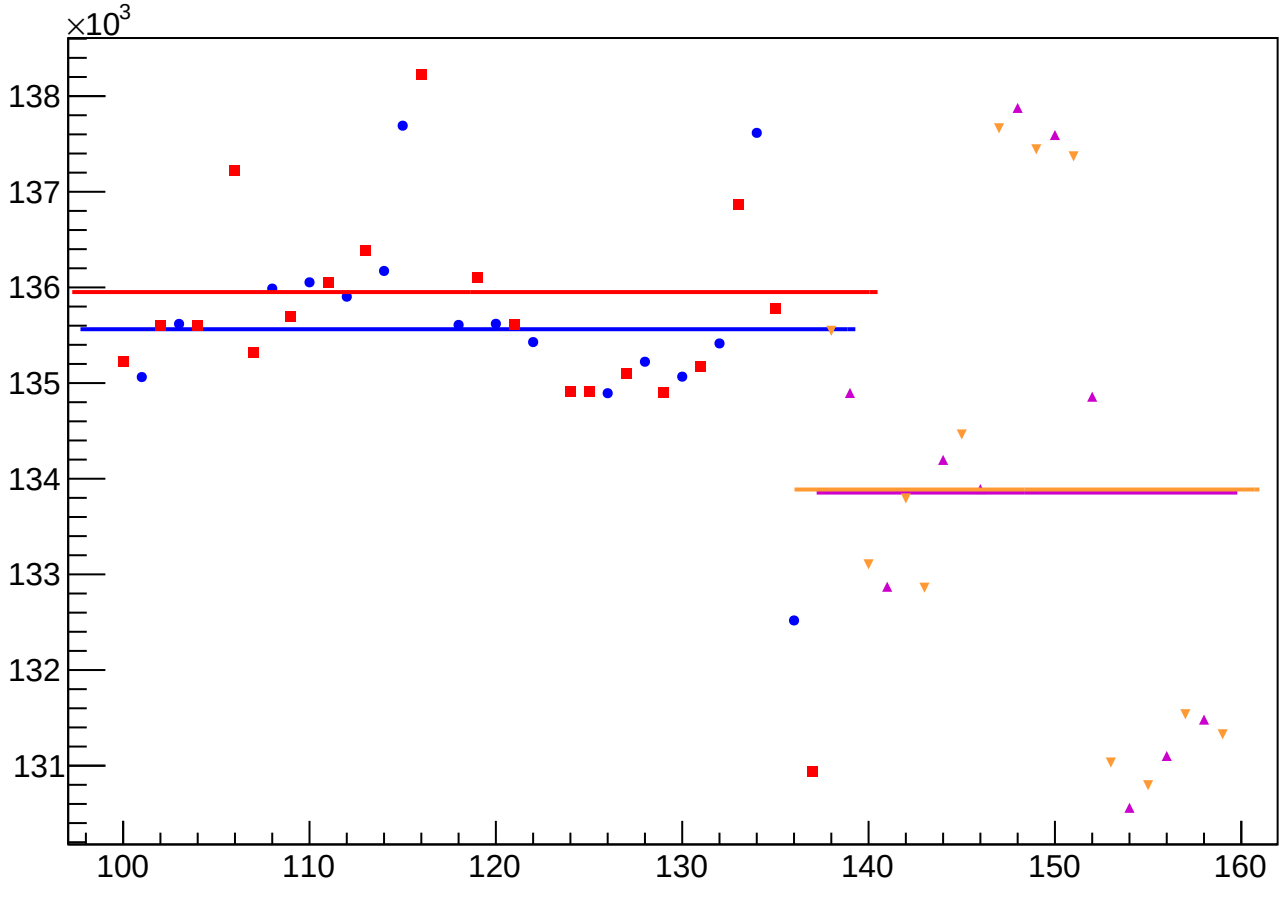
Left: 309.404+/-0.053 χ^2/NDF: 945277.7/21

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

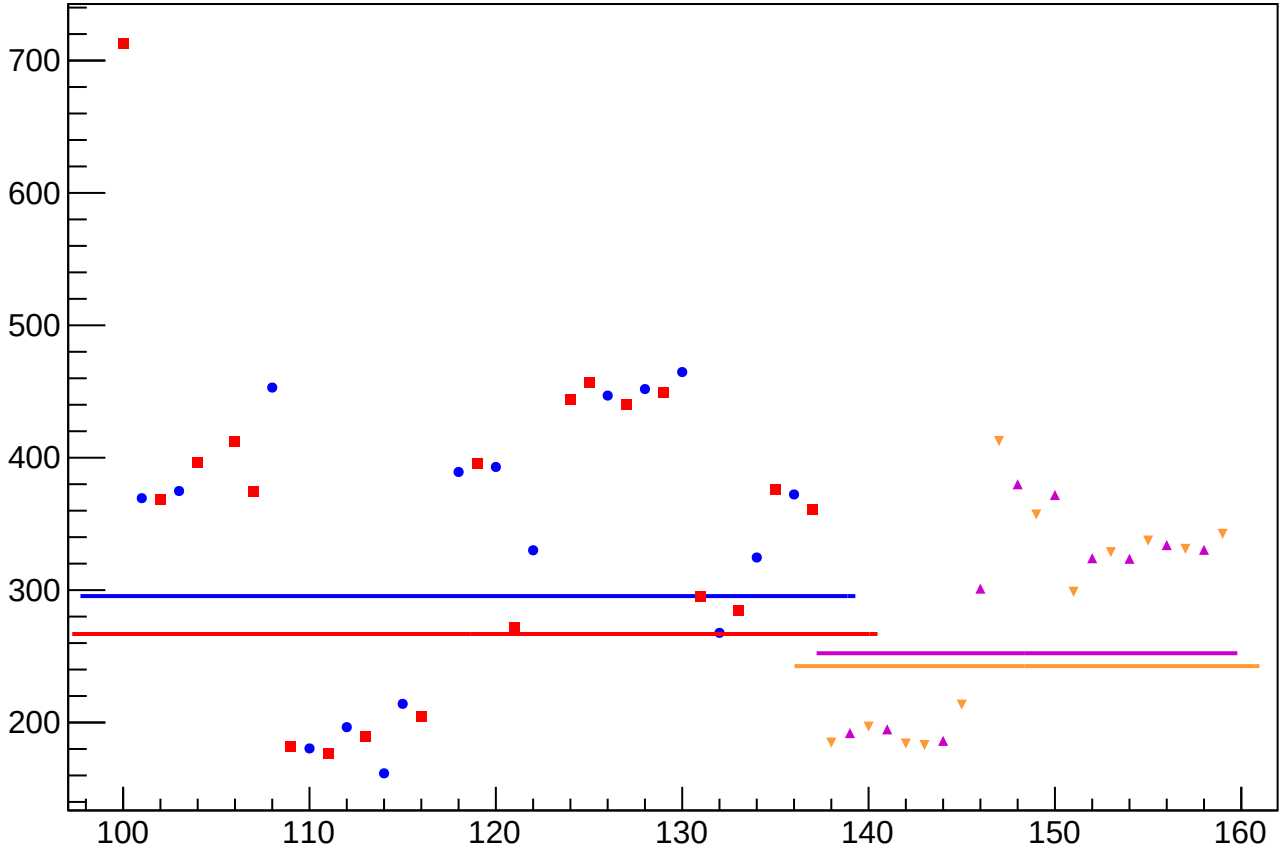
In: 282.036+/-0.052 χ^2/NDF:1660558.1/25

Out: 282.554+/-0.051 χ^2/NDF:1732196.8/30

All: 282.303+/-0.037 χ^2/NDF: 3392805.1/56


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
110
120
130
140
150
160
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 133887.243+/-0.083 χ²/NDF:578833388.8/11
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 133855.174+/-0.090 χ²/NDF:429038526.1/9
Left: 133872.472+/-0.061 χ²/NDF: 1007940019.6/2
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134483.119+/-0.072 χ²/NDF:654880341.3/25
Out: 134673.230+/-0.066 χ²/NDF:903687835.9/30
All: 134586.651+/-0.048 χ²/NDF: 15623898

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 242.591+/-0.059 χ^2/NDF:1514110.1/11

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 252.309+/-0.064 χ^2/NDF:1306413.5/9

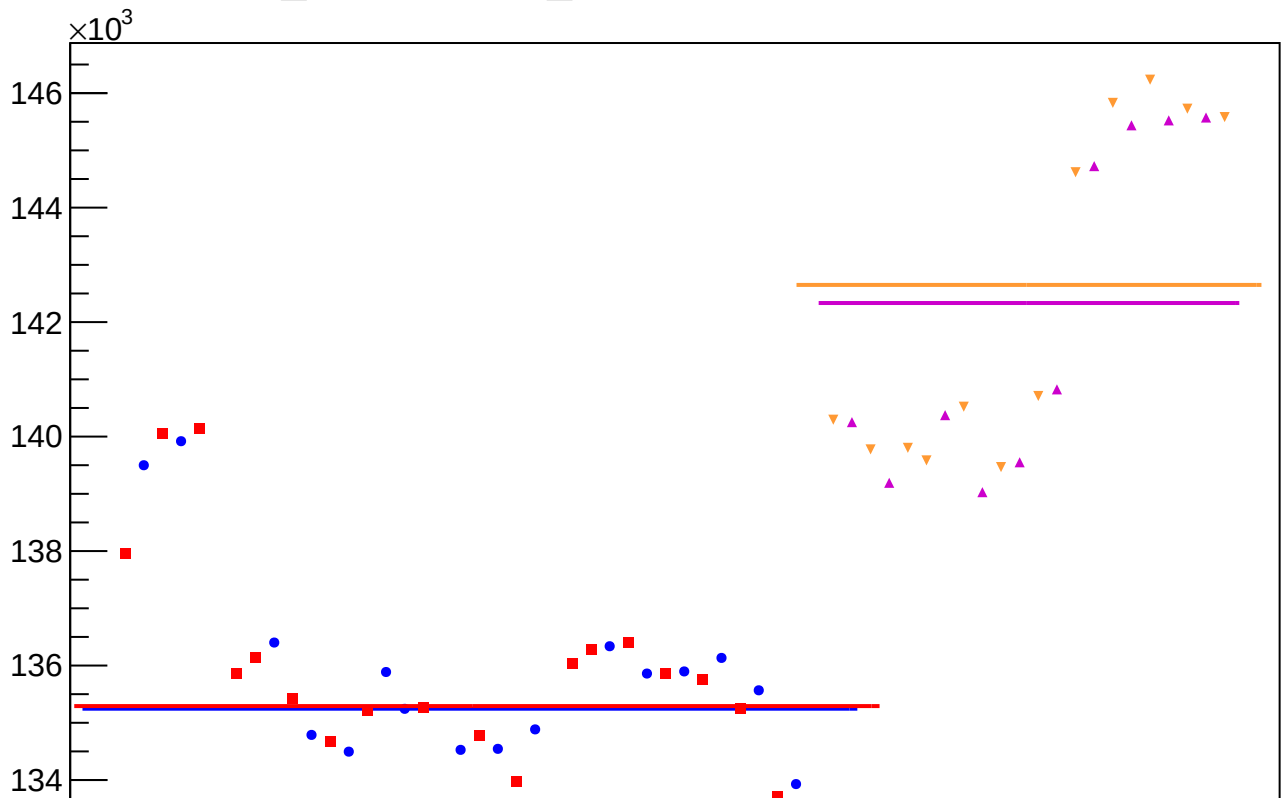
Left: 247.067+/-0.043 χ^2/NDF: 2833031.6/21

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 268.182+/-0.051 χ^2/NDF:2917219.6/25

Out: 251.833+/-0.046 χ^2/NDF:3256691.9/30

All: 259.279+/-0.034 χ^2/NDF: 6230438.2/56



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 142649.702+/-0.062 χ^2/NDF:2082032880.6/11

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 142333.404+/-0.067 χ^2/NDF:1674990967.6/9

Left: 142504.010+/-0.046 χ^2/NDF: 3769021198.2/2

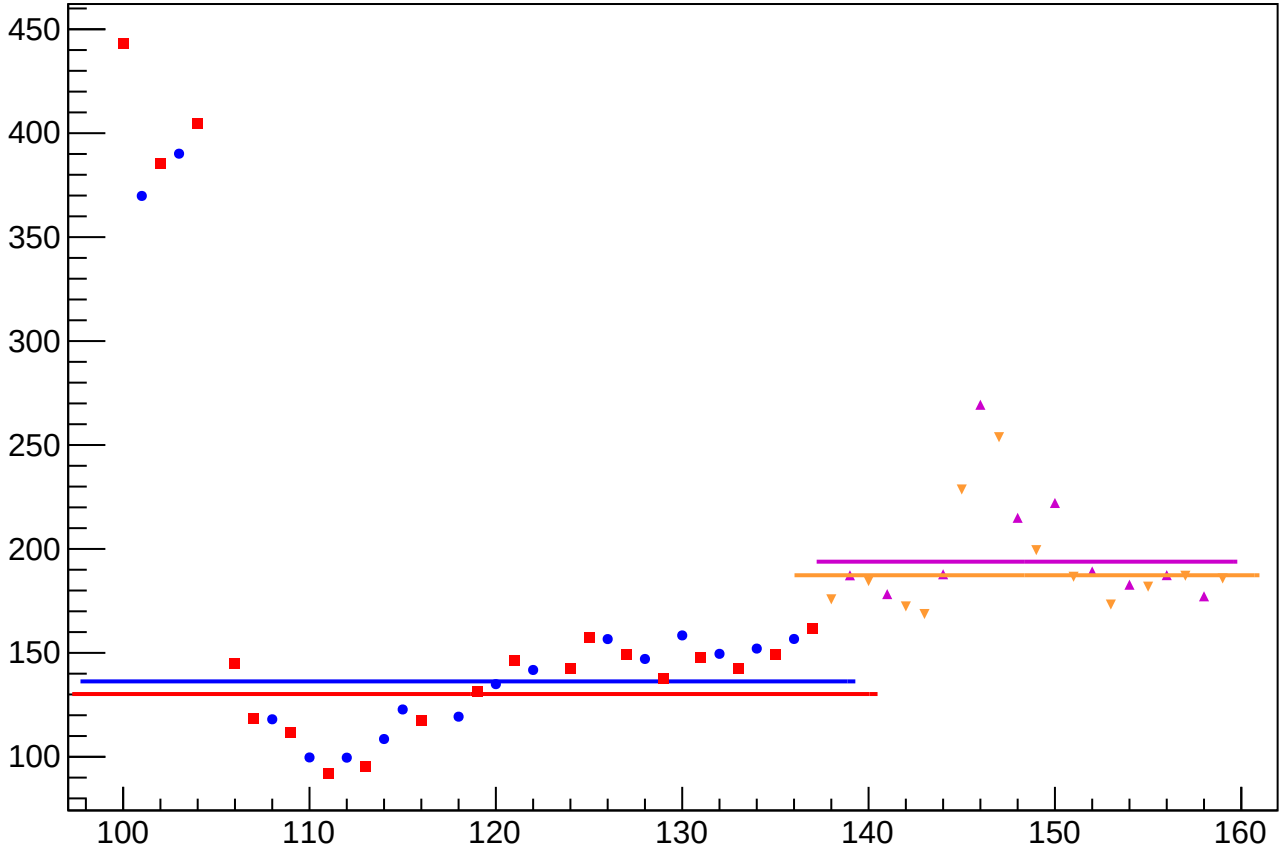
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138078.797+/-0.042 χ^2/NDF:8767222559.2/25

Out: 138314.477+/-0.040 χ^2/NDF:10768363187.2

All: 138204.309+/-0.029 χ^2/NDF: 19552040

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.343+/-0.044 χ^2/NDF:208750.2/11

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 193.874+/-0.047 χ^2/NDF:217286.7/9

Left: 190.351+/-0.032 χ^2/NDF: 436264.2/21

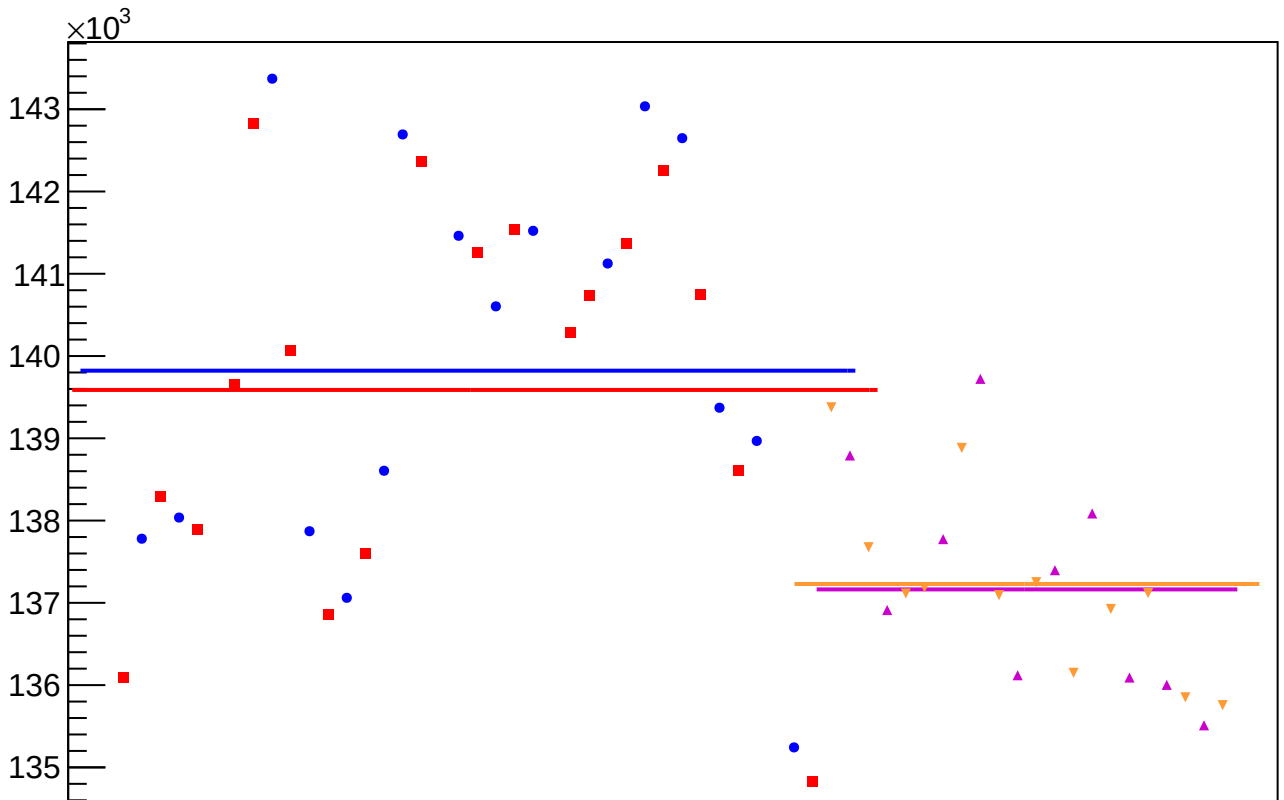
Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 159.302+/-0.030 χ^2/NDF:2486632.7/25

Out: 153.678+/-0.028 χ^2/NDF:2731176.9/30

All: 156.307+/-0.020 χ^2/NDF: 5236545.7/56

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137229.173+/-0.064 χ^2/NDF:278854062.7/11

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137163.409+/-0.068 χ^2/NDF:315133054.1/9

Left: 137198.336+/-0.047 χ^2/NDF: 594478208.5/21

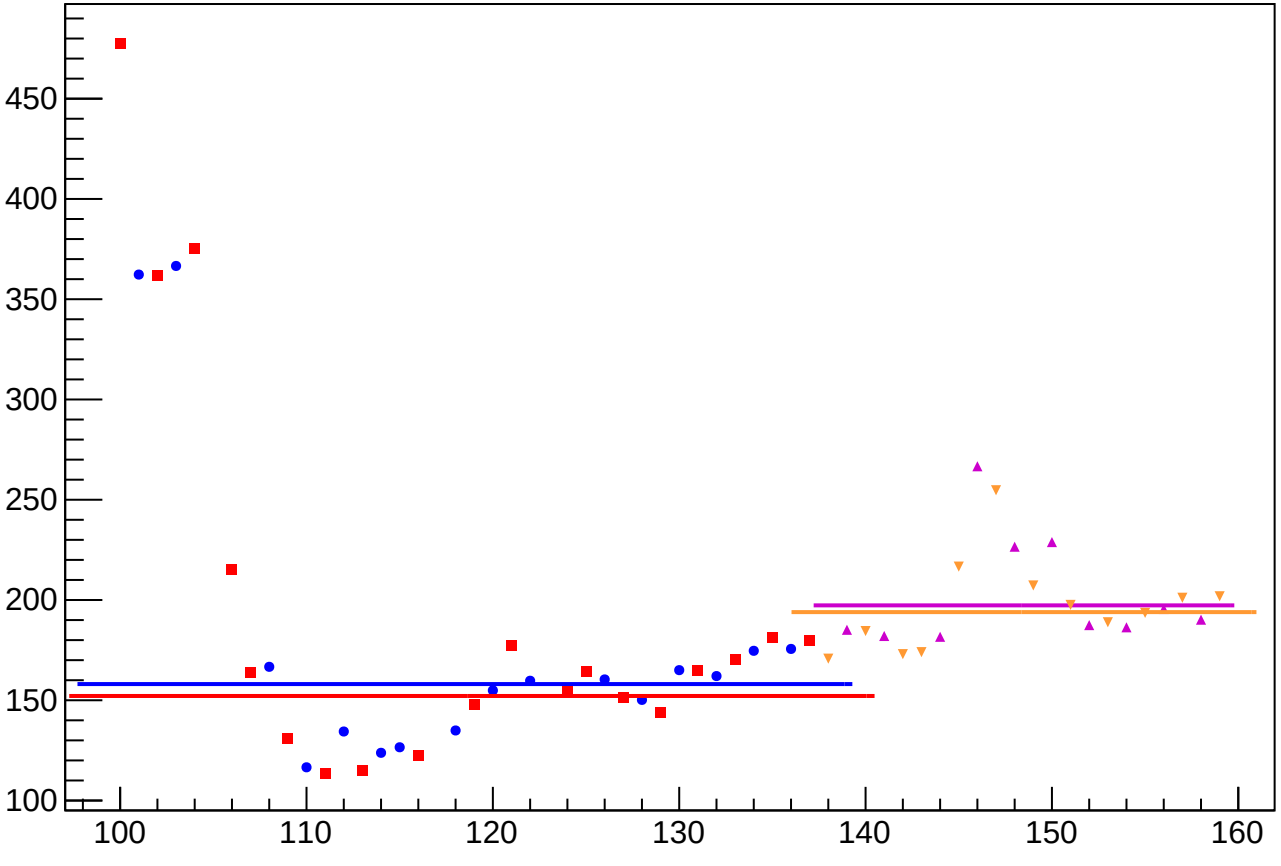
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138610.240+/-0.046 χ^2/NDF:2800941956.7/25

Out: 138494.665+/-0.044 χ^2/NDF:2484633360.8/3

All: 138549.338+/-0.032 χ^2/NDF: 52888768

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 193.965+/-0.045 χ^2/NDF:186864.4/11

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.326+/-0.048 χ^2/NDF:222011.1/9

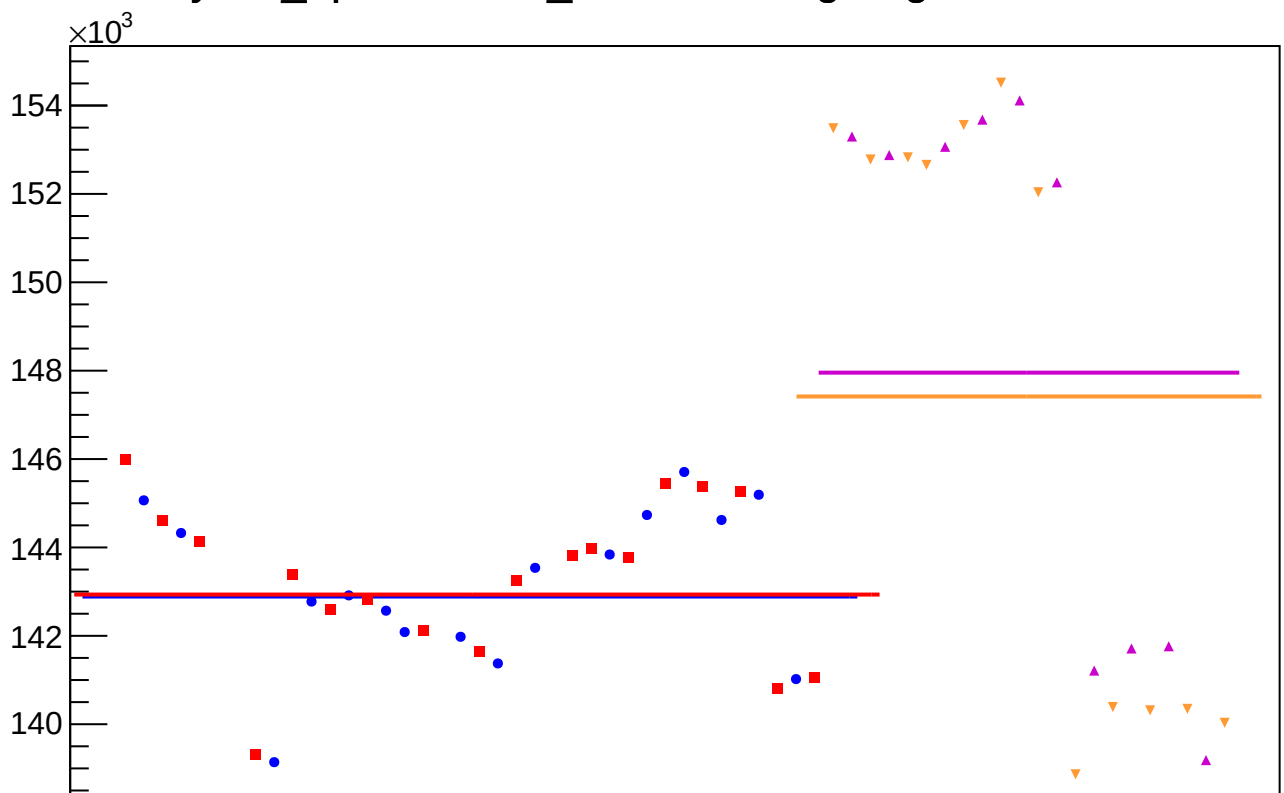
Left: 195.541+/-0.033 χ^2/NDF: 411440.7/21

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 175.969+/-0.033 χ^2/NDF:1598360.5/25

Out: 171.525+/-0.031 χ^2/NDF:1870516.7/30

All: 173.627+/-0.022 χ^2/NDF: 3478639.8/56



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 147416.244+/-0.065 χ^2/NDF:9971669607.8/11

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 147955.354+/-0.069 χ^2/NDF:7784626322.4/9

Left: 147669.732+/-0.047 χ^2/NDF: 17788615494.5

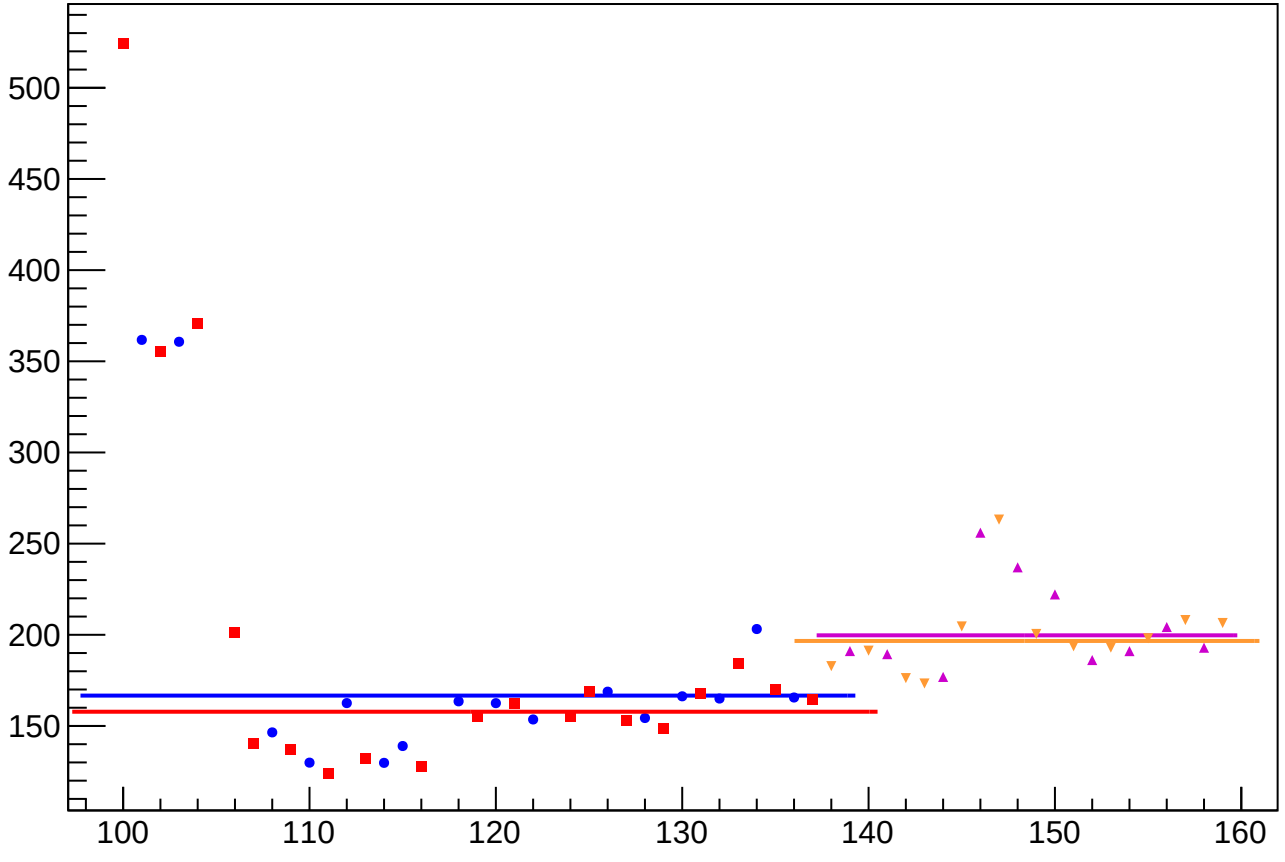
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145296.857+/-0.048 χ^2/NDF:11374723952.0/2

Out: 145051.596+/-0.045 χ^2/NDF:13265757590.3

All: 145166.560+/-0.033 χ^2/NDF: 24654595

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 196.625+/-0.046 χ^2/NDF:166627.8/11

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 199.715+/-0.049 χ^2/NDF:195238.8/9

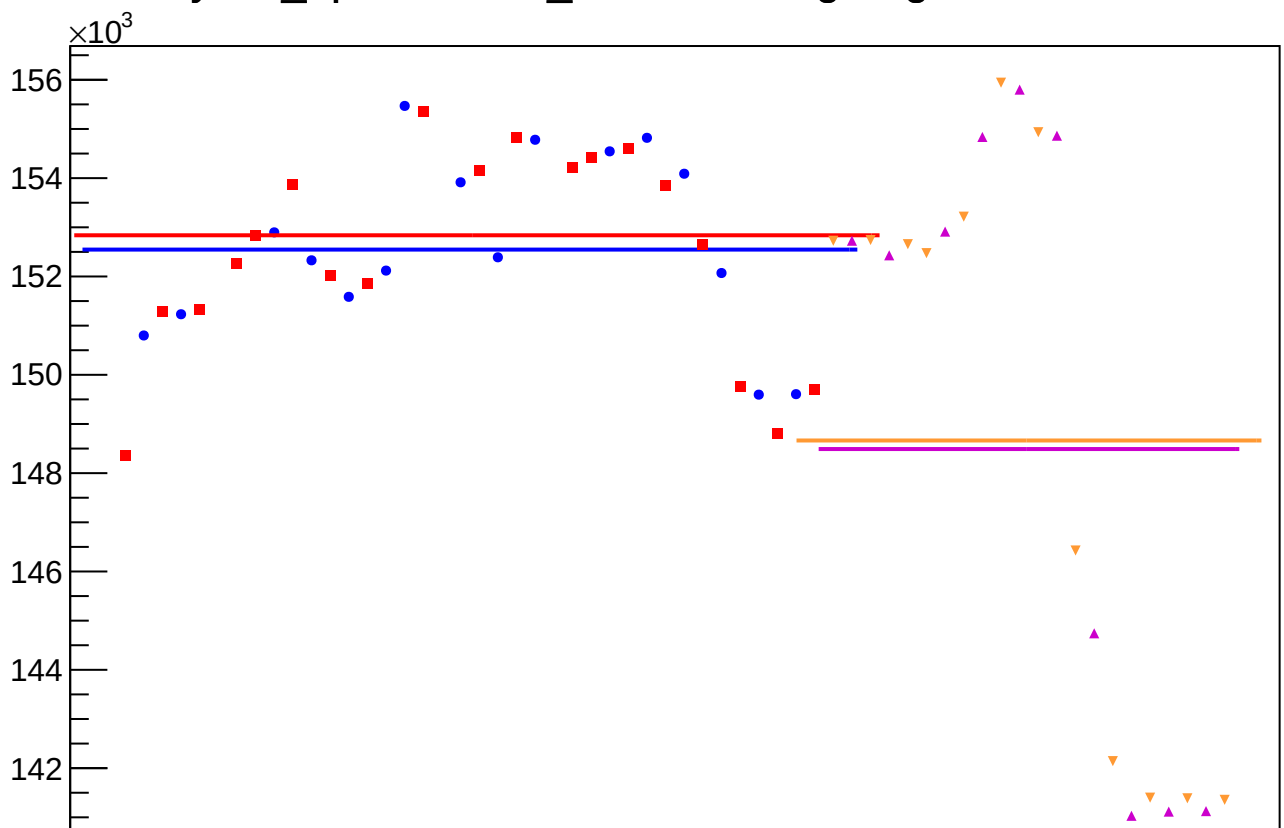
Left: 198.078+/-0.033 χ^2/NDF: 363990.6/21

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 182.367+/-0.034 χ^2/NDF:1299568.4/25

Out: 176.148+/-0.032 χ^2/NDF:1564918.8/30

All: 179.063+/-0.023 χ^2/NDF: 2882637.6/56



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 148664.309+/-0.065 χ^2/NDF:7235084631.6/11

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

Left: 148582.545+/-0.047 χ^2/NDF: 14577394902.2

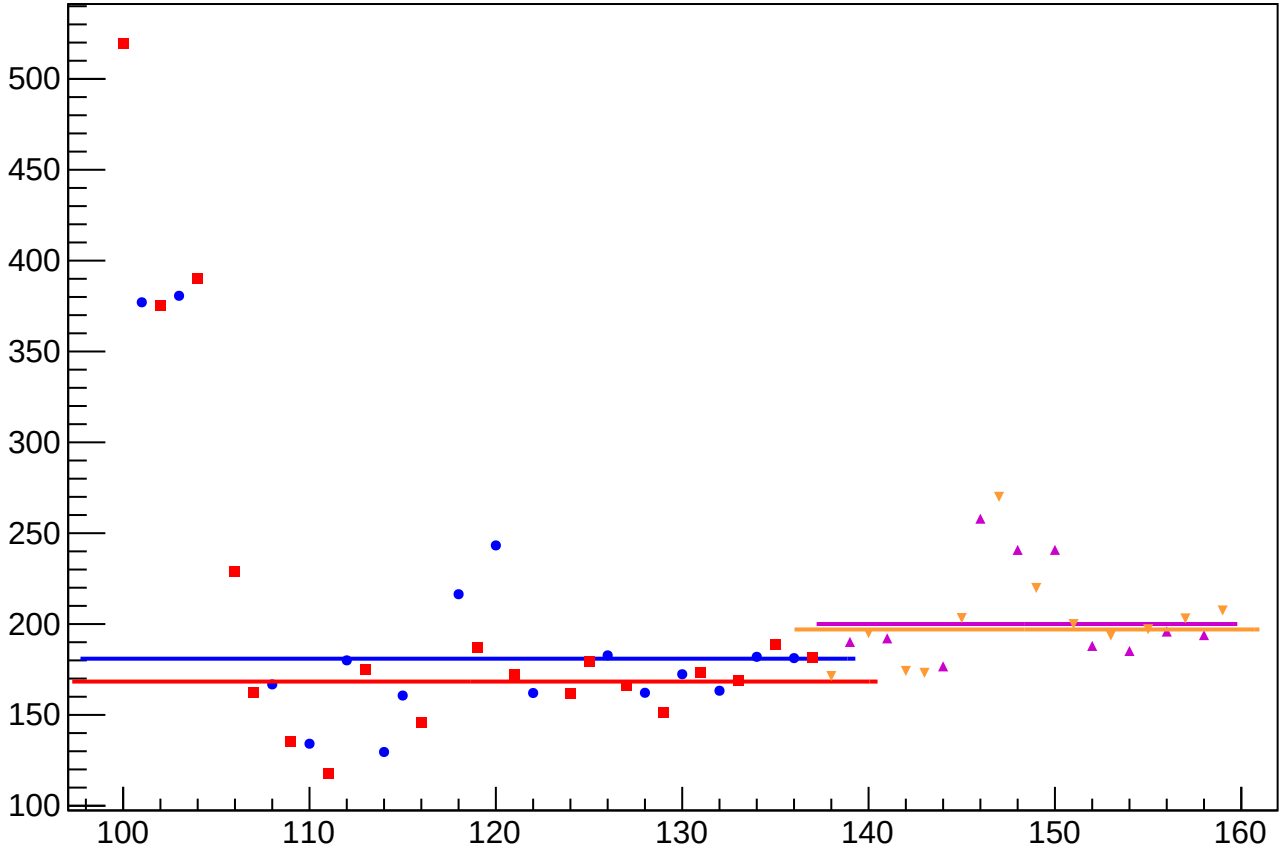
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 150415.470+/-0.050 χ^2/NDF:9633208404.9/25

Out: 150698.247+/-0.047 χ^2/NDF:9981634482.0/3

All: 150567.063+/-0.034 χ^2/NDF: 196319732

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 197.019+/-0.046 χ^2/NDF:224231.1/11

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

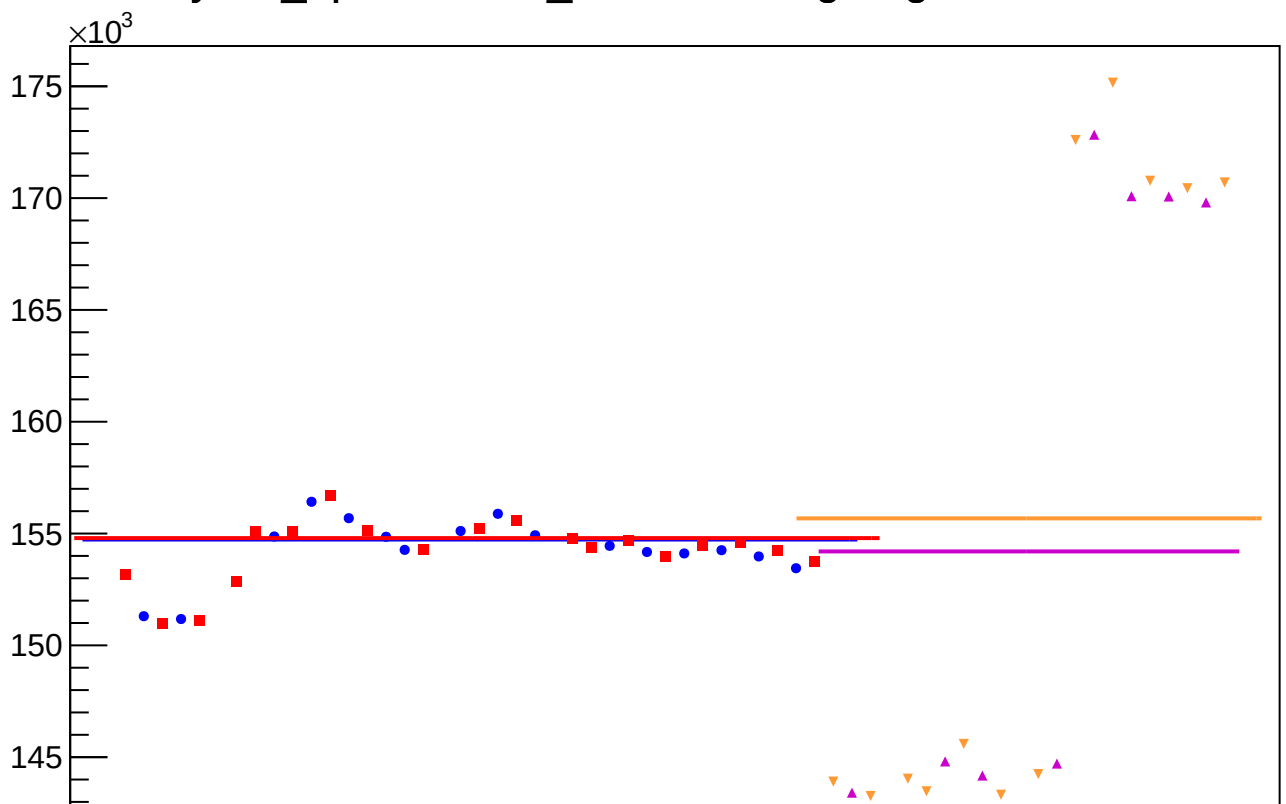
Left: 198.431+/-0.033 χ^2/NDF: 470521.7/21

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.966+/-0.035 χ^2/NDF:1224630.2/25

Out: 183.047+/-0.033 χ^2/NDF:1502984.7/30

All: 186.721+/-0.024 χ^2/NDF: 2754485.2/56



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 155678.268+/-0.060 χ^2/NDF:54762044854.1/11

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 154200.248+/-0.063 χ^2/NDF:44034384129.3/9

Left: 154983.854+/-0.043 χ^2/NDF: 99085619531.8

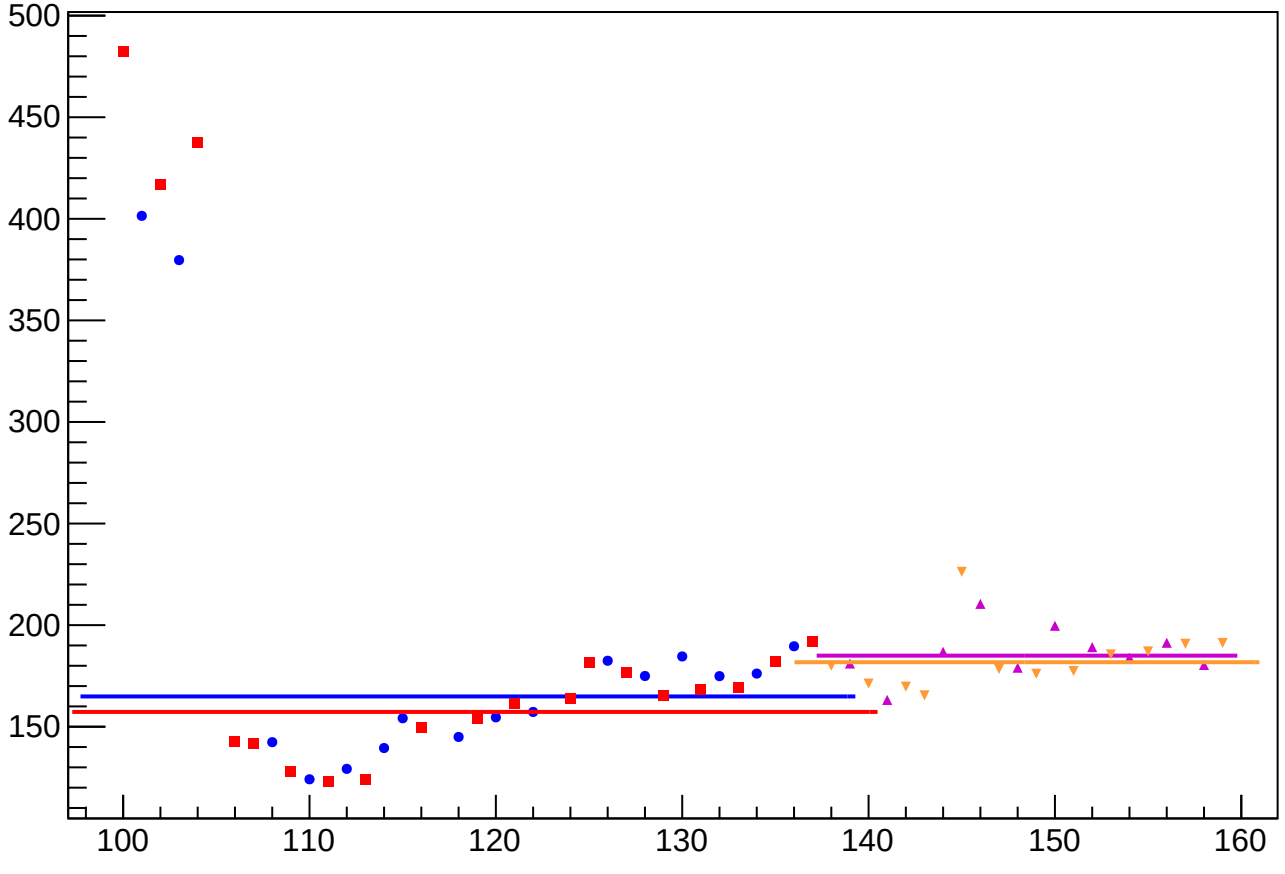
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 154458.778+/-0.045 χ^2/NDF:44343247195.4/2

Out: 155247.983+/-0.043 χ^2/NDF:55173148027.5

All: 154878.155+/-0.031 χ^2/NDF: 996769059

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 181.750+/-0.042 χ^2/NDF:101561.2/11

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.984+/-0.045 χ^2/NDF:73003.6/9

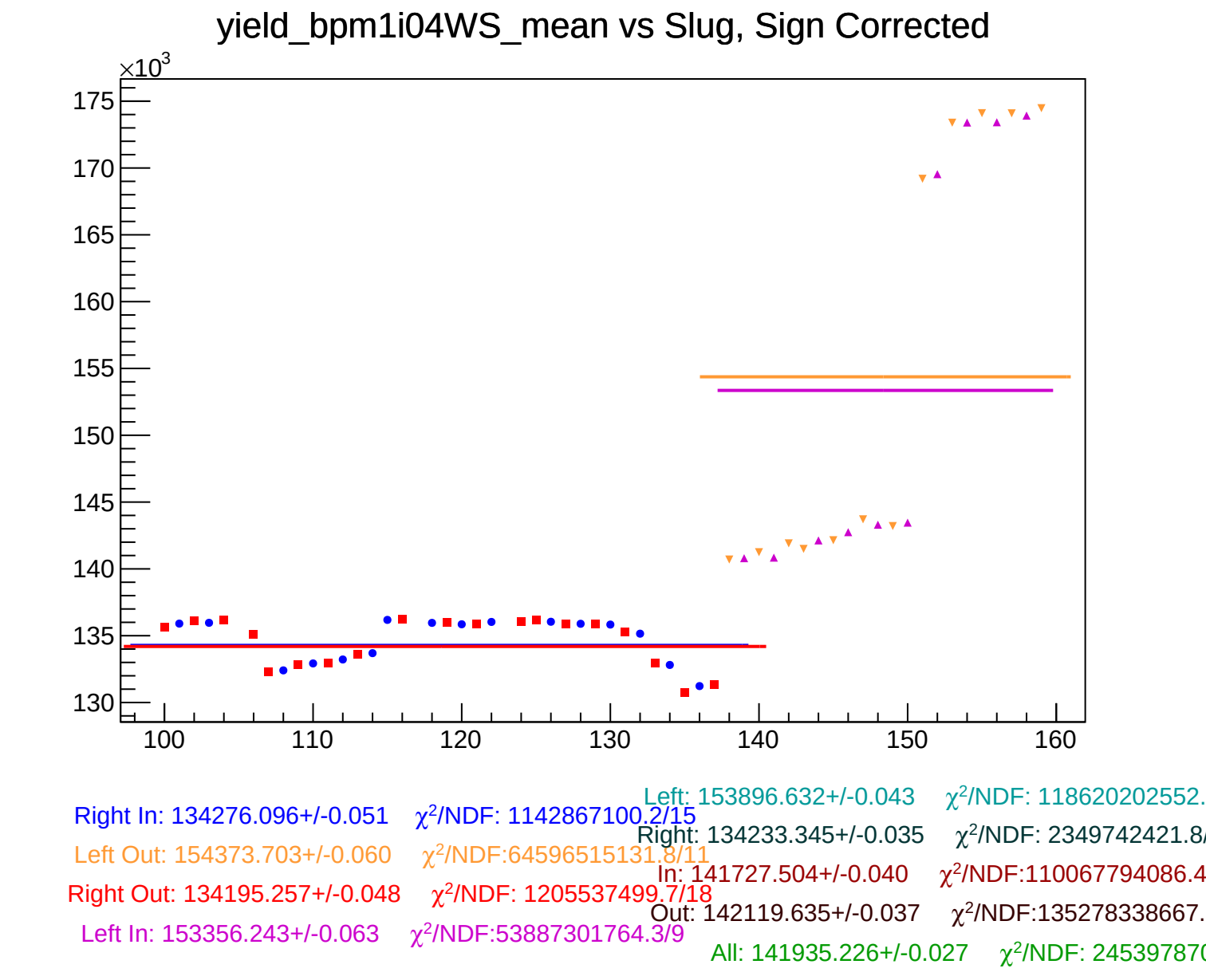
Left: 183.269+/-0.031 χ^2/NDF: 177333.1/21

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

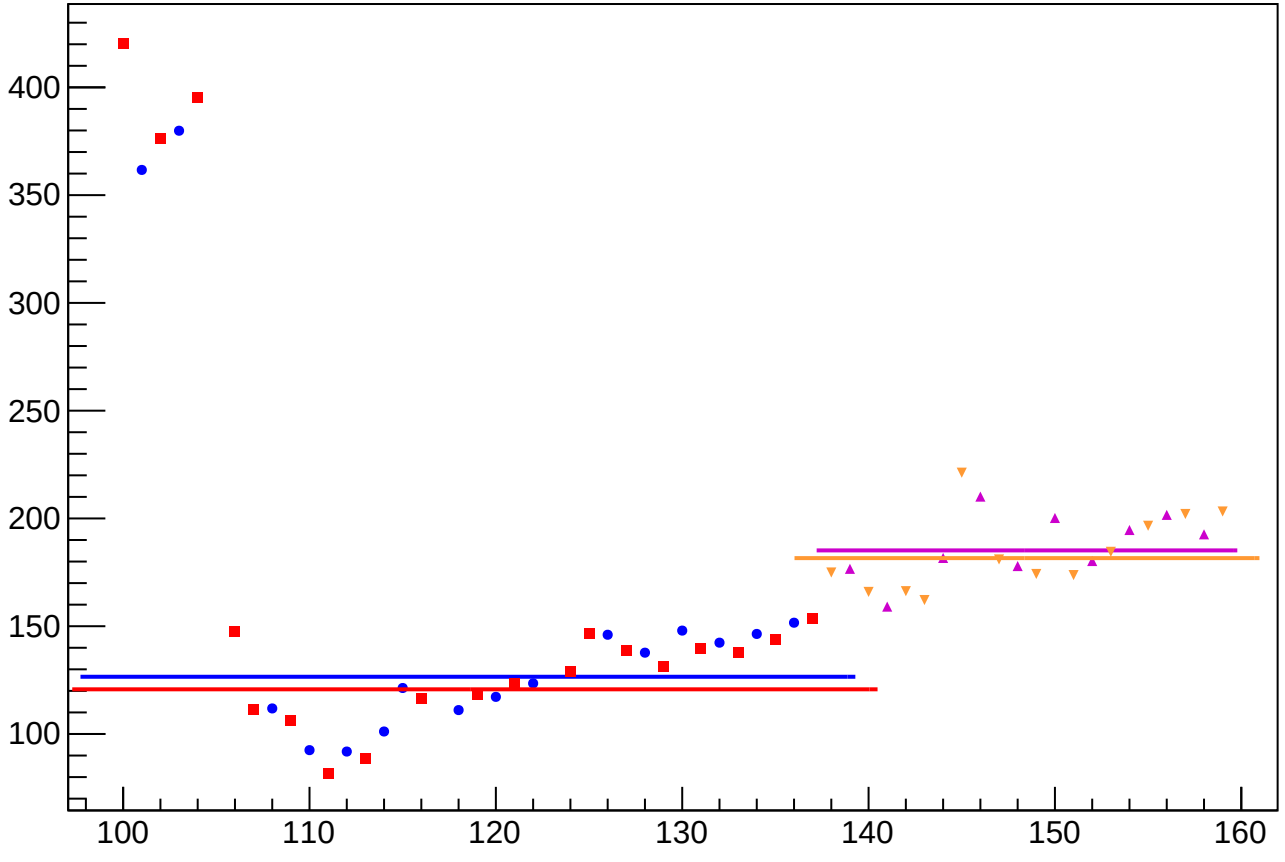
In: 175.244+/-0.032 χ^2/NDF:1243392.6/25

Out: 169.819+/-0.030 χ^2/NDF:1520900.2/30

All: 172.361+/-0.022 χ^2/NDF: 2779460.0/56


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
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 154373.703+/-0.060 χ²/NDF:64596515131.8/11
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 153356.243+/-0.063 χ²/NDF:53887301764.3/9
Left: 153896.632+/-0.043 χ²/NDF: 118620202552.
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 141727.504+/-0.040 χ²/NDF:110067794086.4
Out: 142119.635+/-0.037 χ²/NDF:135278338667.
All: 141935.226+/-0.027 χ²/NDF: 24539787

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 181.594+/-0.042 χ^2/NDF:150499.3/11

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 185.175+/-0.045 χ^2/NDF:107417.4/9

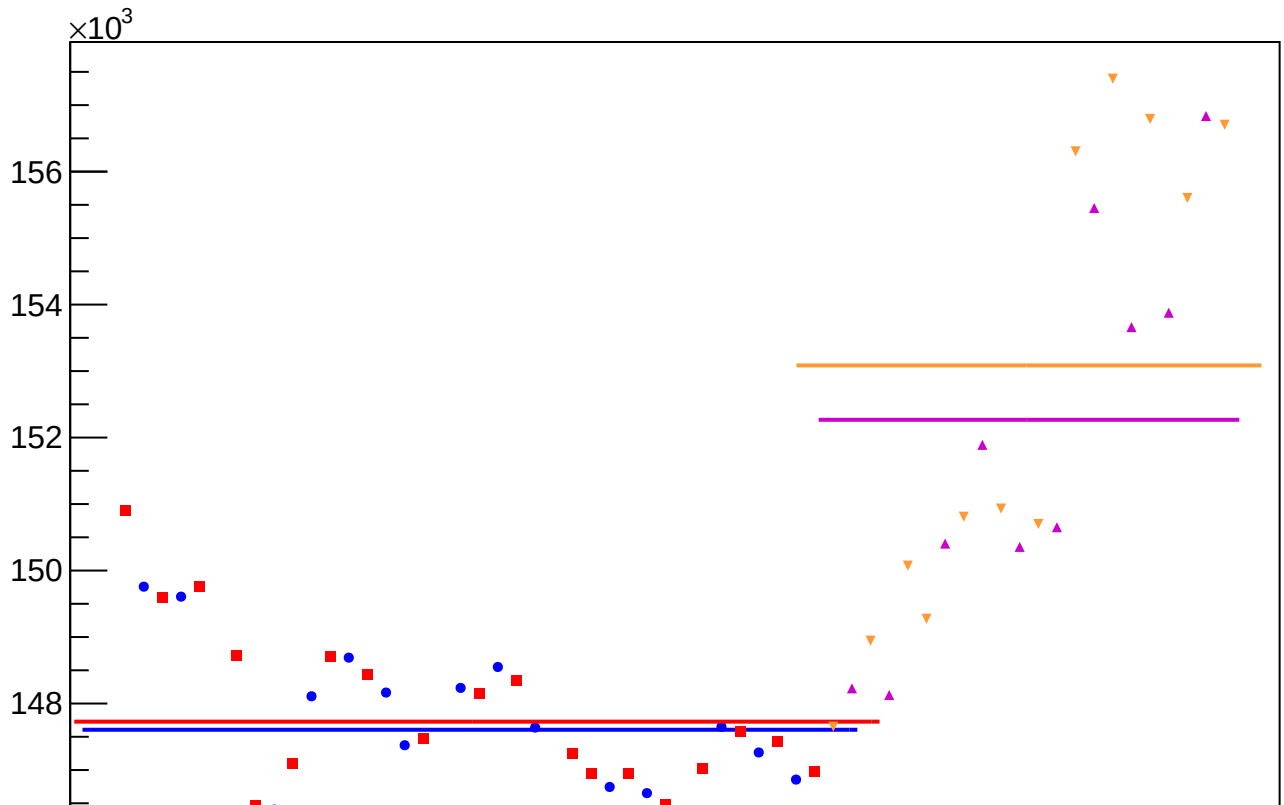
Left: 183.273+/-0.031 χ^2/NDF: 261294.8/21

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 149.445+/-0.028 χ^2/NDF:2623980.8/25

Out: 144.628+/-0.026 χ^2/NDF:3047700.4/30

All: 146.893+/-0.019 χ^2/NDF: 5687297.5/56



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153085.390+/-0.067 χ^2/NDF:2906602056.9/11

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152267.552+/-0.071 χ^2/NDF:1701545592.0/9

Left: 152702.218+/-0.049 χ^2/NDF: 4678329313.2/2

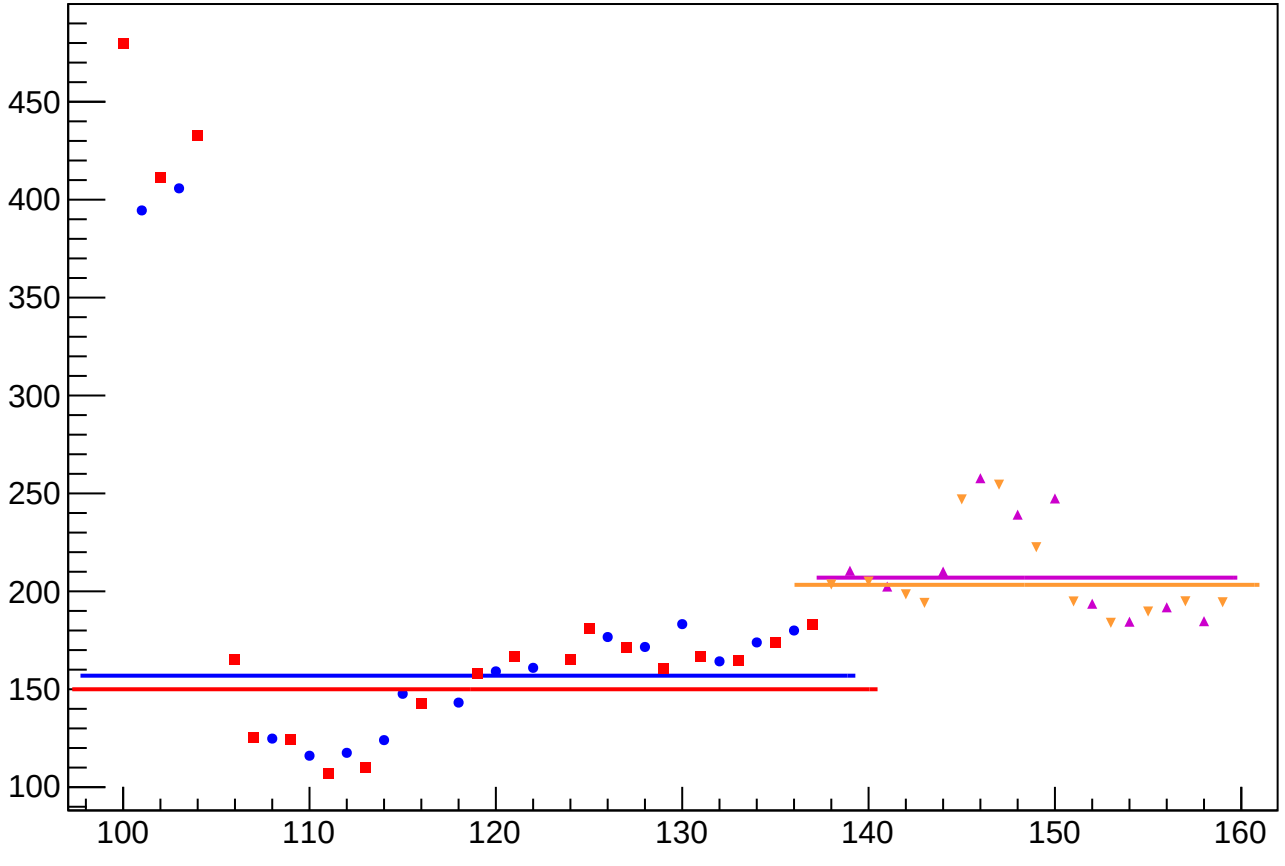
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149634.499+/-0.047 χ^2/NDF:4325469954.2/25

Out: 150071.678+/-0.044 χ^2/NDF:6717587678.7/3

All: 149866.277+/-0.032 χ^2/NDF: 11089023

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 203.319+/-0.047 χ^2/NDF:169059.7/11

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.988+/-0.050 χ^2/NDF:216209.0/9

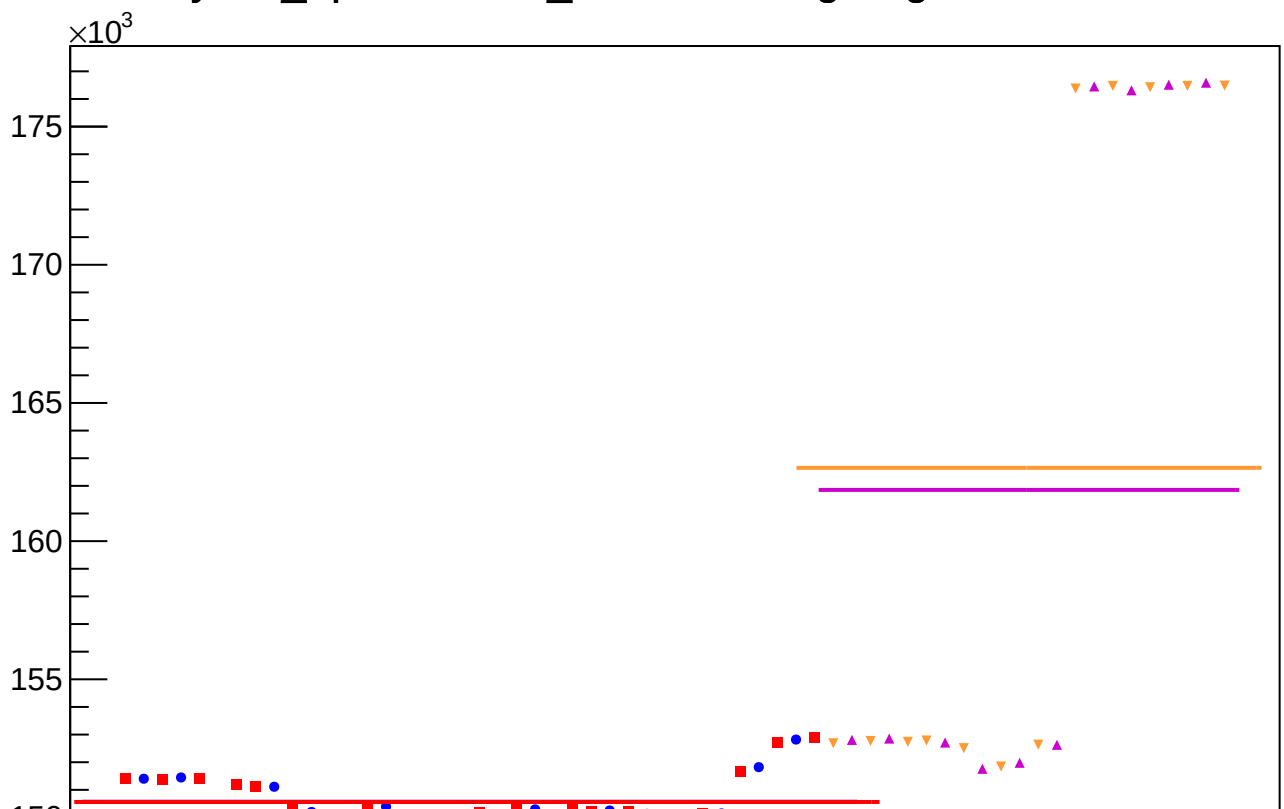
Left: 205.038+/-0.034 χ^2/NDF: 388093.1/21

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 178.714+/-0.033 χ^2/NDF:2040857.4/25

Out: 173.324+/-0.031 χ^2/NDF:2339419.8/30

All: 175.856+/-0.023 χ^2/NDF: 4394248.6/56



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 162652.751+/-0.058 χ^2/NDF:41008968947.9/11

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 161853.384+/-0.062 χ^2/NDF:35411715011.6/9

Left: 162279.011+/-0.043 χ^2/NDF: 76508645896.4

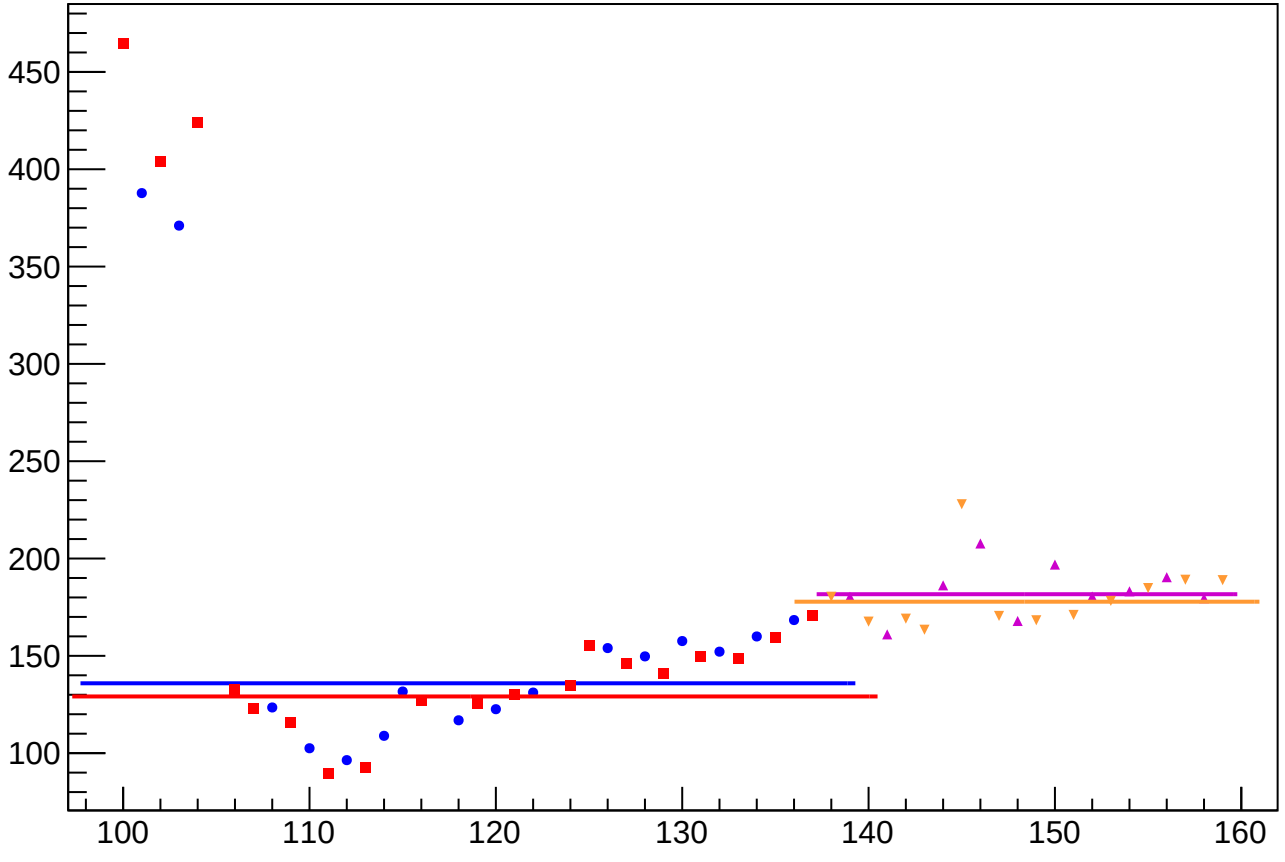
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 155481.536+/-0.041 χ^2/NDF:54238708338.3/2

Out: 155803.286+/-0.038 χ^2/NDF:65590311710.8

All: 155653.194+/-0.028 χ^2/NDF: 11986181

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.817+/-0.041 χ^2/NDF:123799.5/11

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

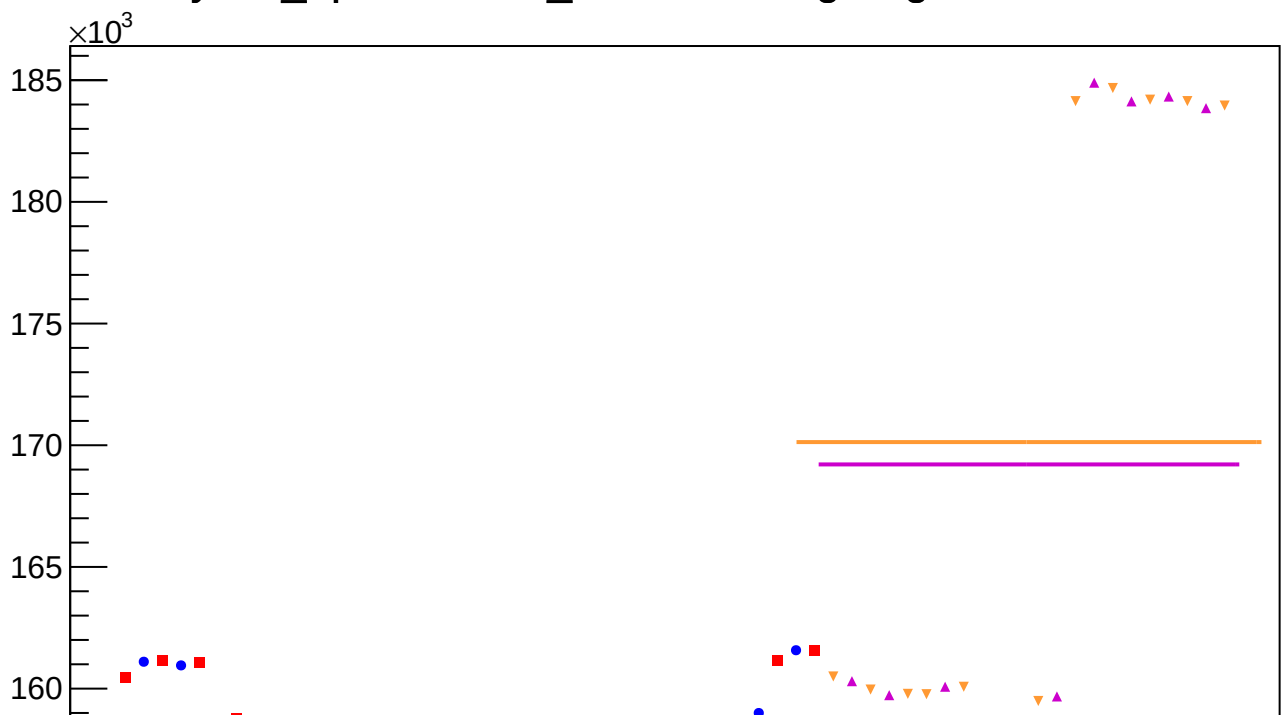
Left: 179.617+/-0.030 χ^2/NDF: 210645.1/21

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 155.823+/-0.029 χ^2/NDF:2110742.9/25

Out: 150.237+/-0.027 χ^2/NDF:2528832.6/30

All: 152.843+/-0.020 χ^2/NDF: 4659347.1/56



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 170129.906+/-0.060 χ^2/NDF:41052820531.0/11

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 169211.926+/-0.064 χ^2/NDF:36200453008.5/9

Left: 169699.720+/-0.044 χ^2/NDF: 77361671098.1

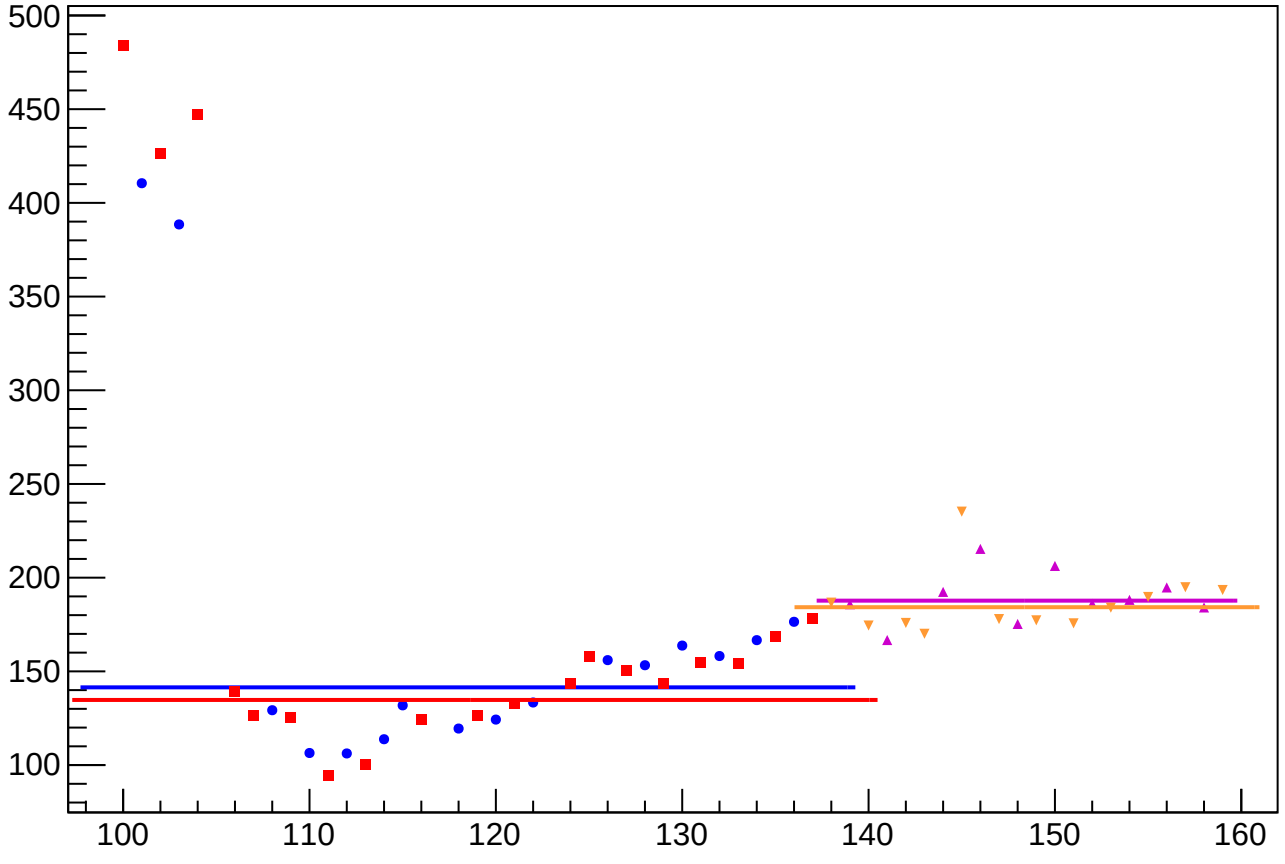
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 162063.741+/-0.043 χ^2/NDF:59524040870.6/2

Out: 162427.678+/-0.040 χ^2/NDF:71053094992.8

All: 162257.565+/-0.029 χ^2/NDF: 13061606

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 184.238+/-0.043 χ^2/NDF:112952.7/11

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 187.736+/-0.045 χ^2/NDF:83234.9/9

Left: 185.877+/-0.031 χ^2/NDF: 199337.1/21

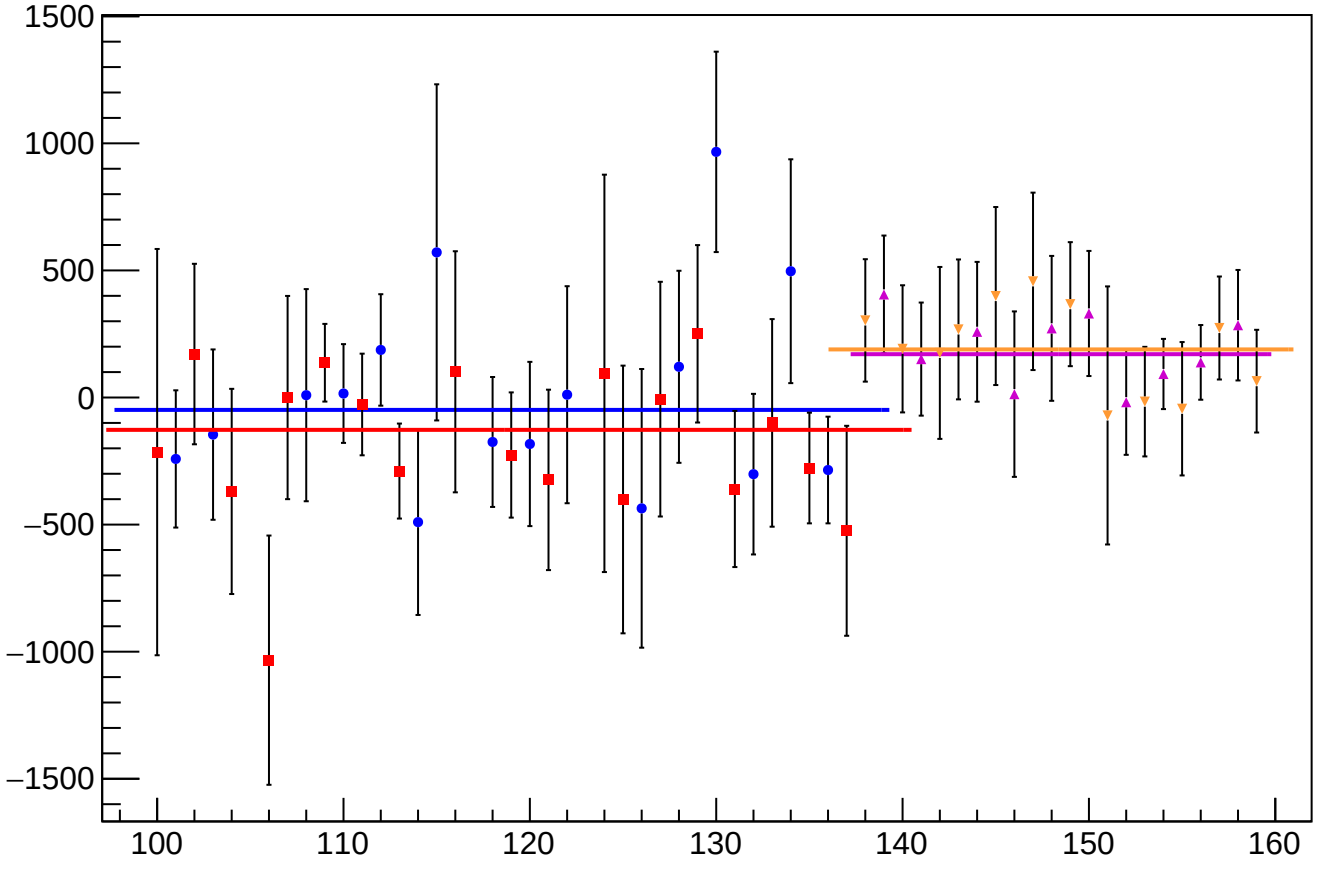
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 161.764+/-0.030 χ^2/NDF:2056942.7/25

Out: 156.351+/-0.028 χ^2/NDF:2449684.2/30

All: 158.881+/-0.021 χ^2/NDF: 4523854.9/56

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 189.199+/-75.140 χ^2/NDF:4.3/11

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 170.438+/-65.440 χ^2/NDF:3.4/9

Left: 178.530+/-49.349 χ^2/NDF: 7.7/21

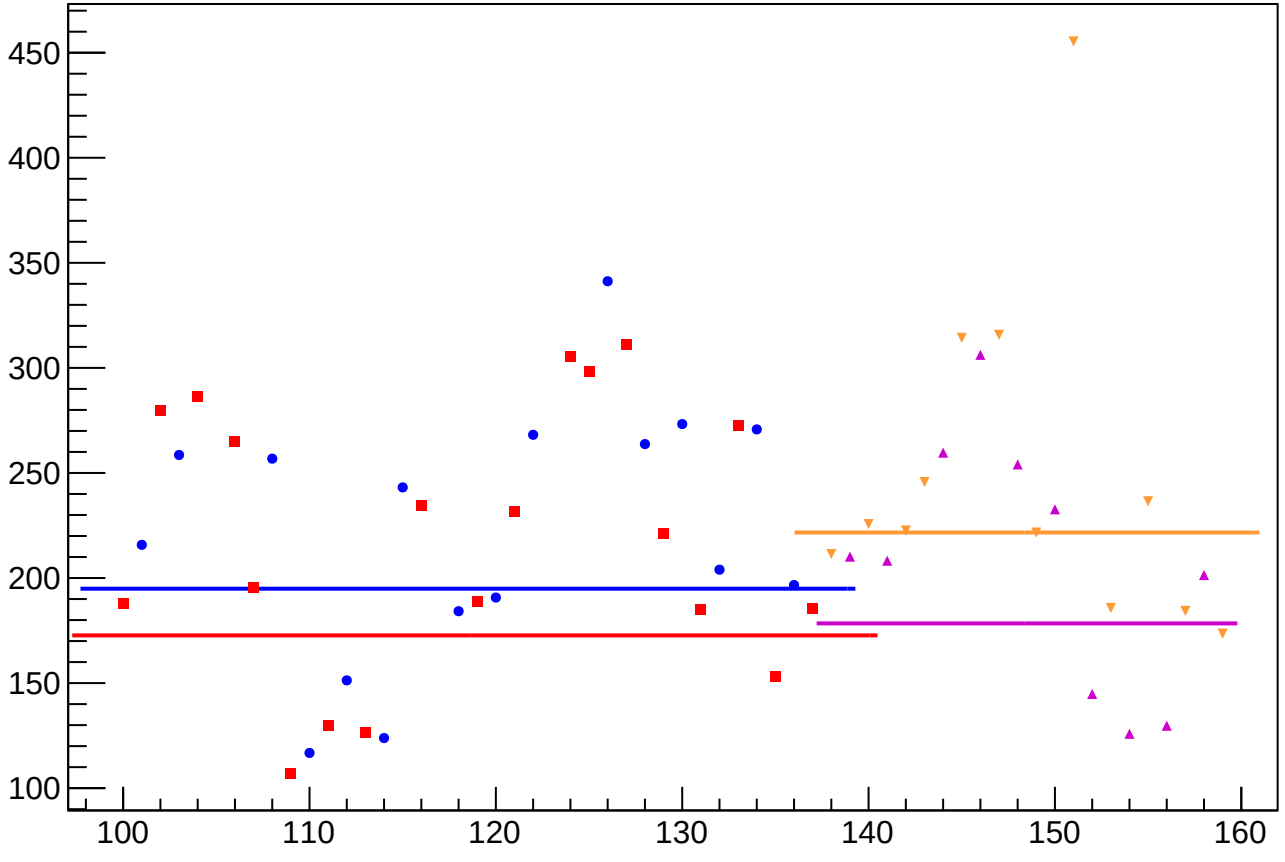
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 77.949+/-49.753 χ^2/NDF:23.6/25

Out: 16.392+/-50.624 χ^2/NDF:26.8/30

All: 47.705+/-35.485 χ^2/NDF: 51.2/56

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.673+/-0.053 χ^2/NDF:971809.9/11

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

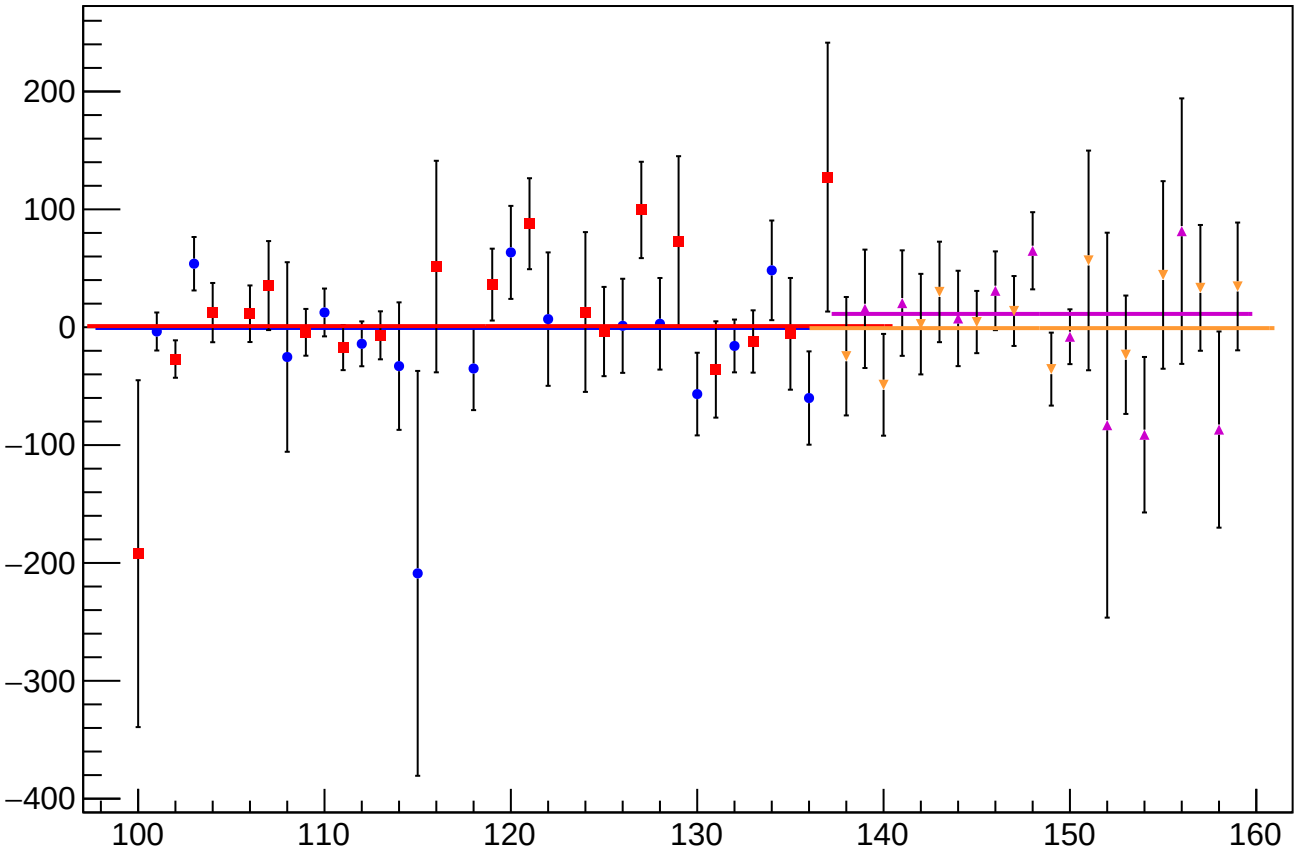
Left: 197.069+/-0.035 χ^2/NDF: 2727383.5/21

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 185.376+/-0.035 χ^2/NDF:2461140.5/25

Out: 194.932+/-0.036 χ^2/NDF:3067031.0/30

All: 190.071+/-0.025 χ^2/NDF: 5564417.8/56



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -0.768+/-11.946 χ^2/NDF:5.3/11

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 11.298+/-13.274 χ^2/NDF:8.3/9

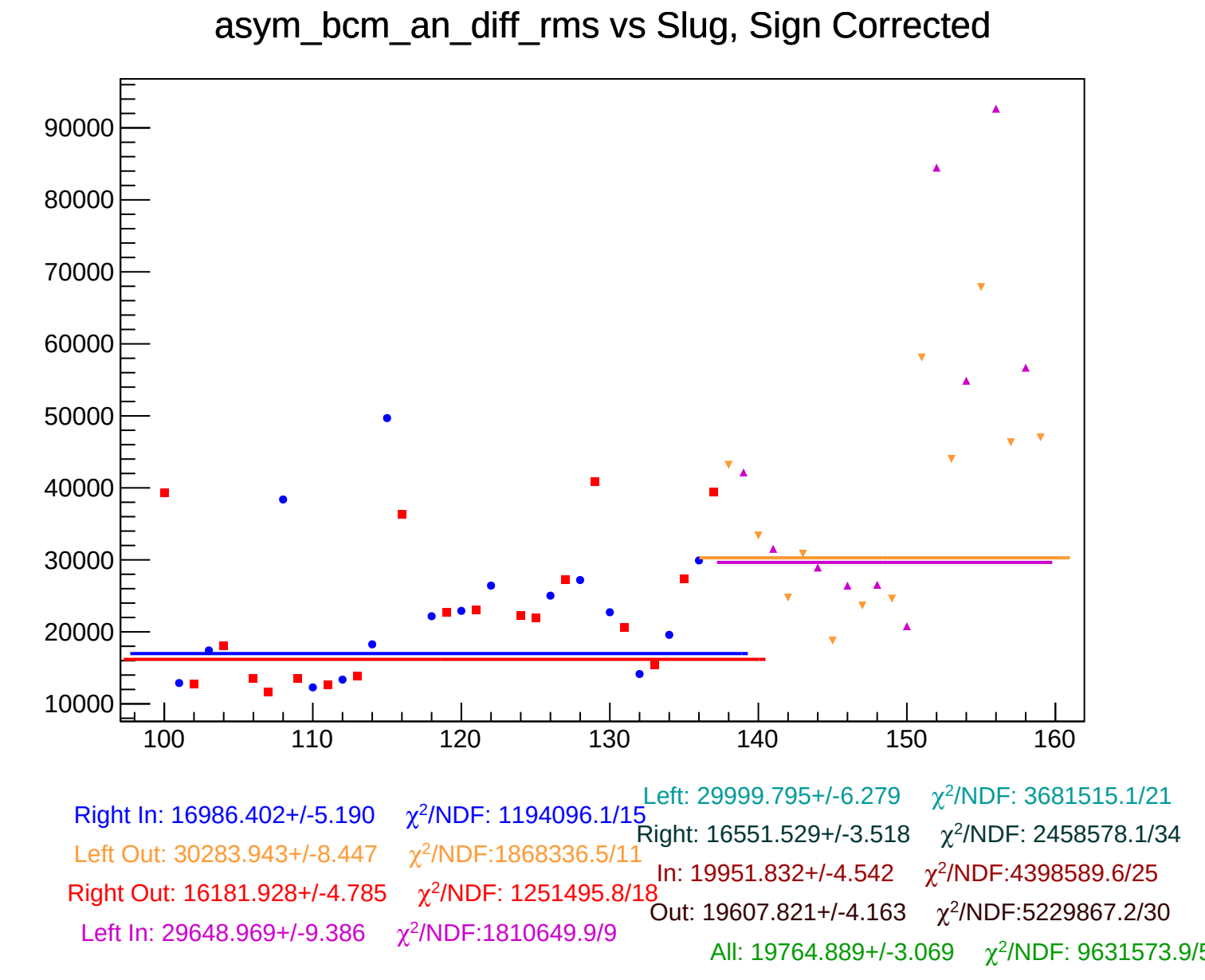
Left: 4.631+/-8.879 χ^2/NDF: 14.0/21

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

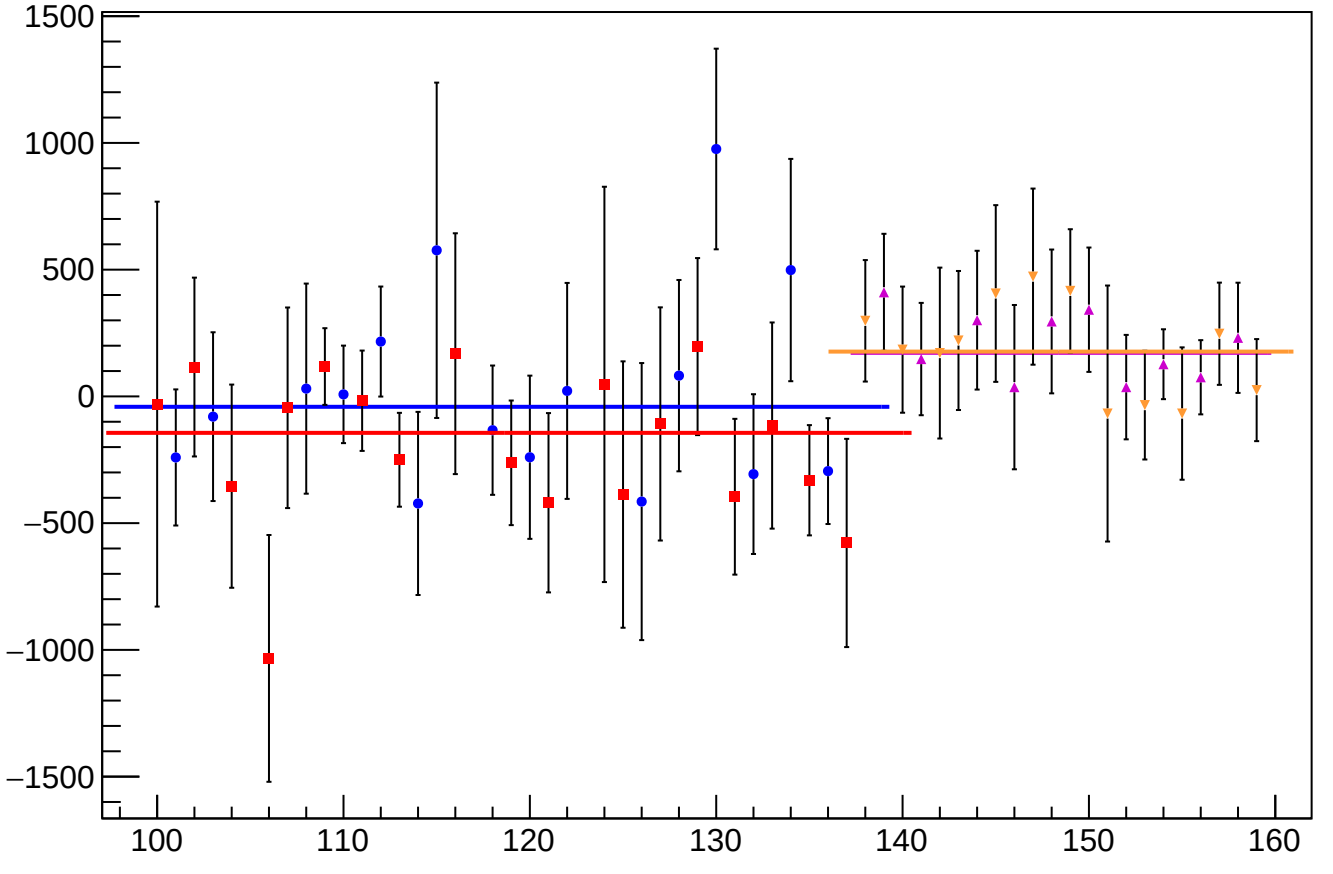
In: 2.168+/-6.424 χ^2/NDF:27.8/25

Out: 0.523+/-5.888 χ^2/NDF:28.3/30

All: 1.274+/-4.340 χ^2/NDF: 56.2/56


asym_bcm_an_diff_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 30283.943+/-8.447 χ²/NDF:1868336.5/11
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 29648.969+/-9.386 χ²/NDF:1810649.9/9
Left: 29999.795+/-6.279 χ²/NDF: 3681515.1/21
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 19951.832+/-4.542 χ²/NDF:4398589.6/25
Out: 19607.821+/-4.163 χ²/NDF:5229867.2/30
All: 19764.889+/-3.069 χ²/NDF: 9631573.9/5

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 176.759+/-74.817 χ^2/NDF:5.2/11

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 171.829+/-65.219 χ^2/NDF:3.2/9

Left: 173.958+/-49.163 χ^2/NDF: 8.4/21

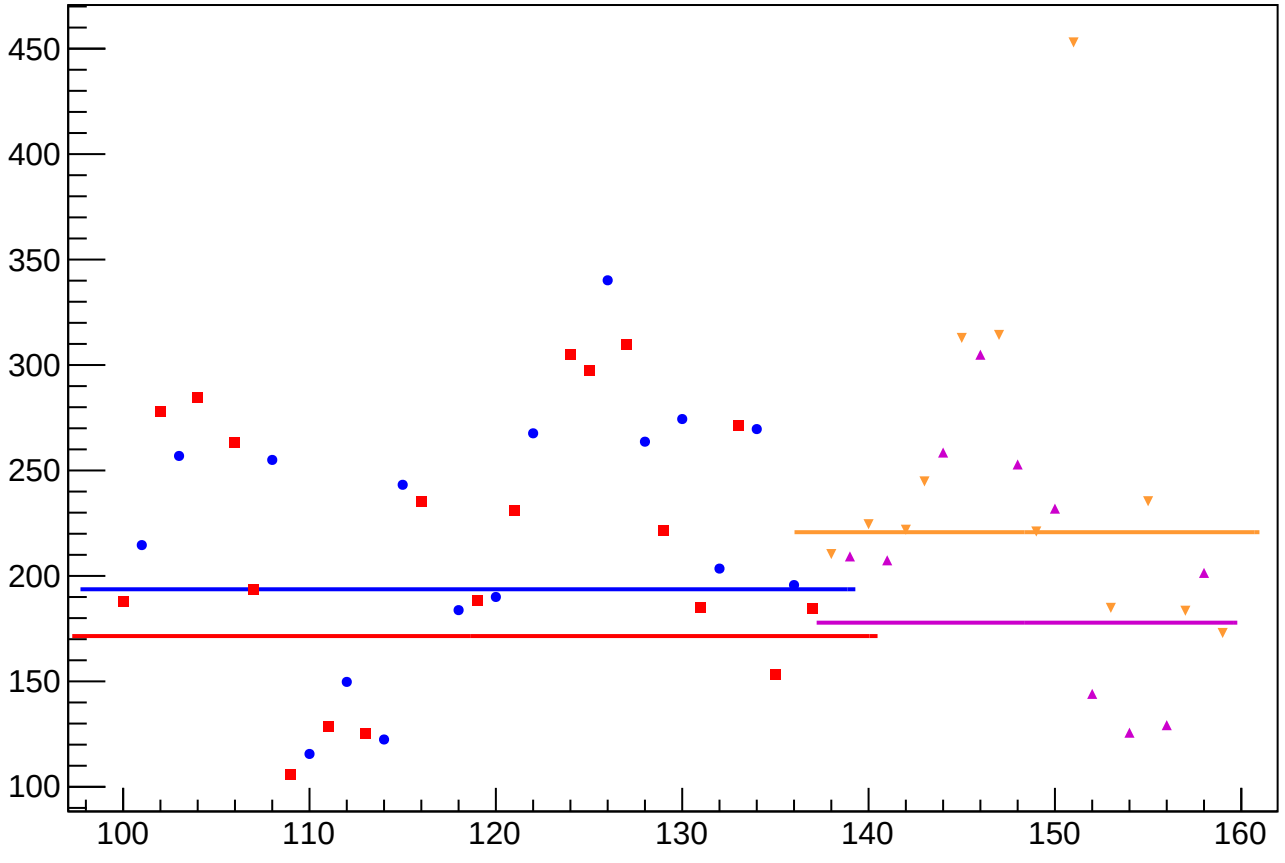
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 81.761+/-49.537 χ^2/NDF:23.2/25

Out: 1.389+/-50.354 χ^2/NDF:28.2/30

All: 42.232+/-35.313 χ^2/NDF: 52.7/56

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 220.736+/-0.053 χ^2/NDF:970398.1/11

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 177.838+/-0.046 χ^2/NDF:1374886.8/9

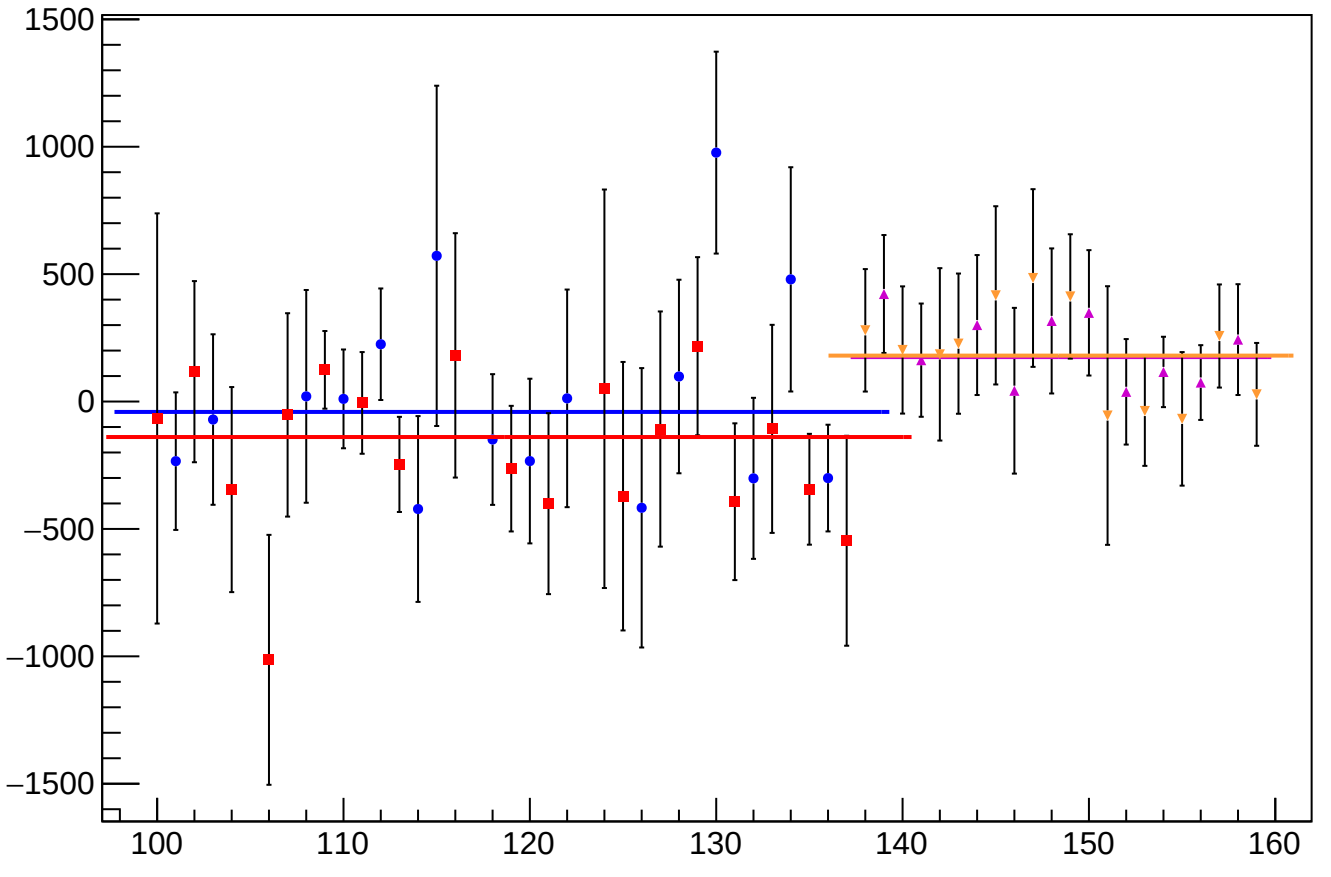
Left: 196.360+/-0.035 χ^2/NDF: 2718894.7/21

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 184.536+/-0.035 χ^2/NDF:2474526.7/25

Out: 193.793+/-0.036 χ^2/NDF:3097518.1/30

All: 189.089+/-0.025 χ^2/NDF: 5606390.5/56



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 180.250+/-75.062 χ^2/NDF:5.2/11

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 174.401+/-65.393 χ^2/NDF:3.4/9

Left: 176.925+/-49.306 χ^2/NDF: 8.6/21

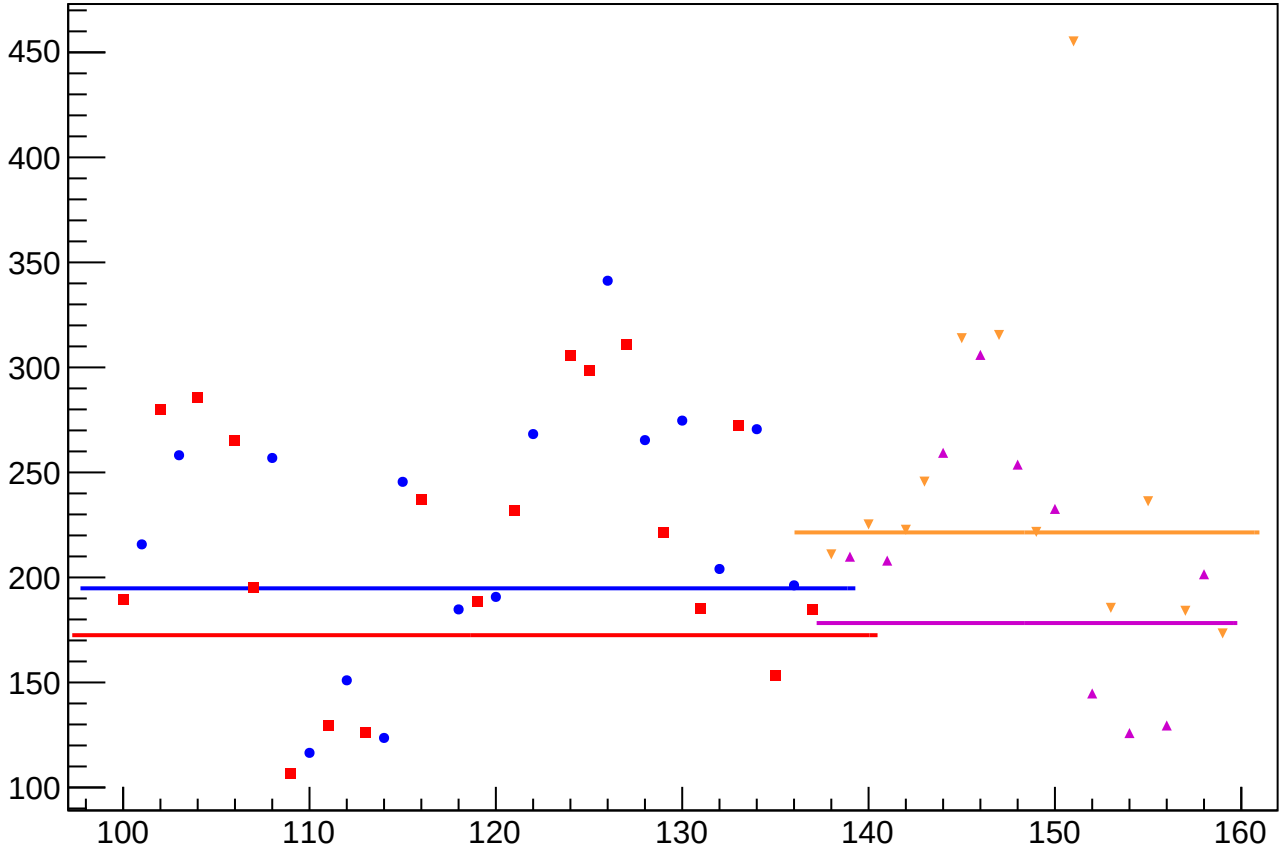
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 83.653+/-49.729 χ^2/NDF:23.4/25

Out: 5.809+/-50.582 χ^2/NDF:28.0/30

All: 45.392+/-35.461 χ^2/NDF: 52.6/56

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 221.435+/-0.053 χ^2/NDF:972806.0/11

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 178.286+/-0.046 χ^2/NDF:1377407.9/9

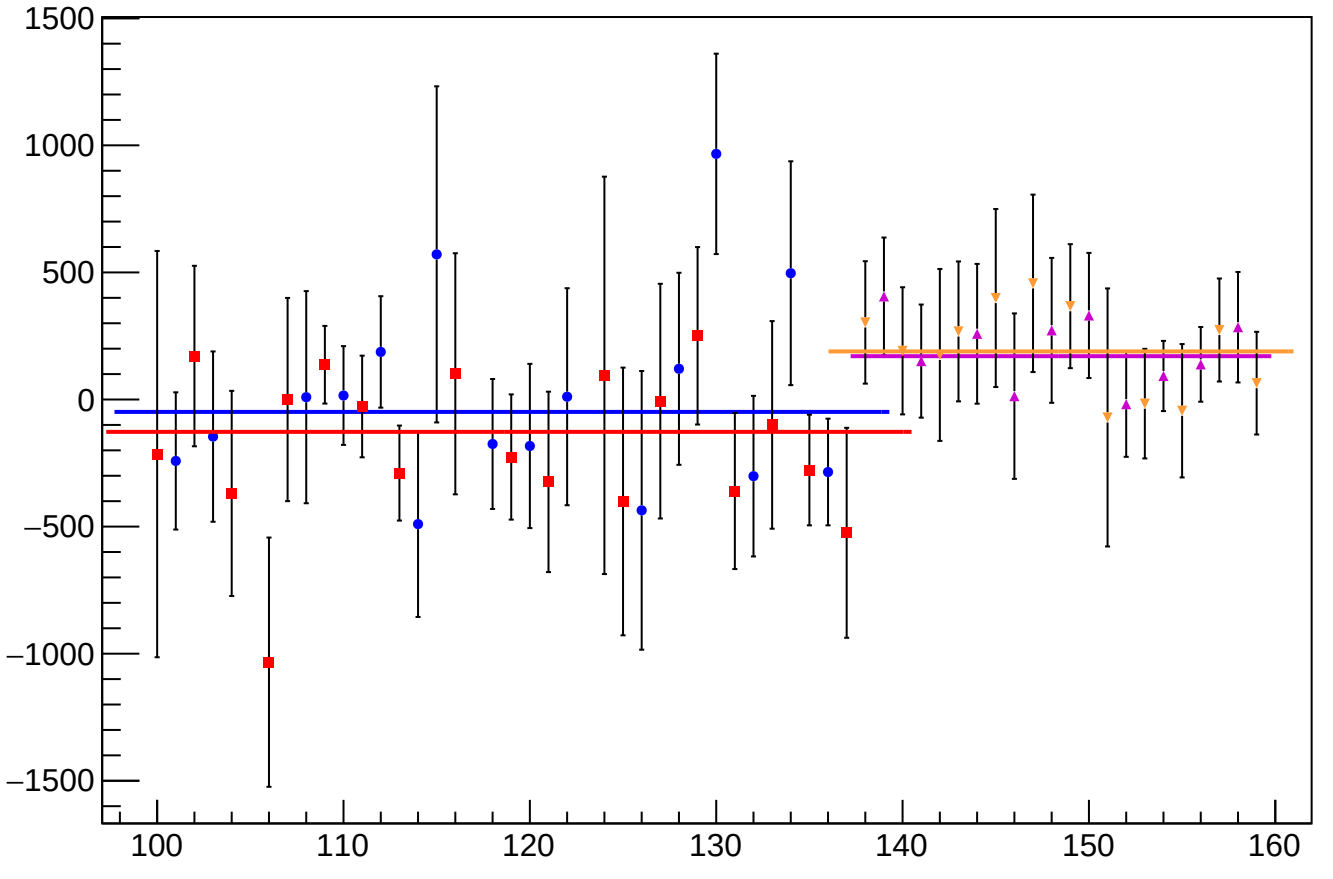
Left: 196.904+/-0.035 χ^2/NDF: 2725944.2/21

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 185.258+/-0.035 χ^2/NDF:2470417.8/25

Out: 194.725+/-0.036 χ^2/NDF:3078772.2/30

All: 189.911+/-0.025 χ^2/NDF: 5584812.2/56



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 189.199+/-75.140 χ^2/NDF:4.3/11

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 170.438+/-65.440 χ^2/NDF:3.4/9

Left: 178.530+/-49.349 χ^2/NDF: 7.7/21

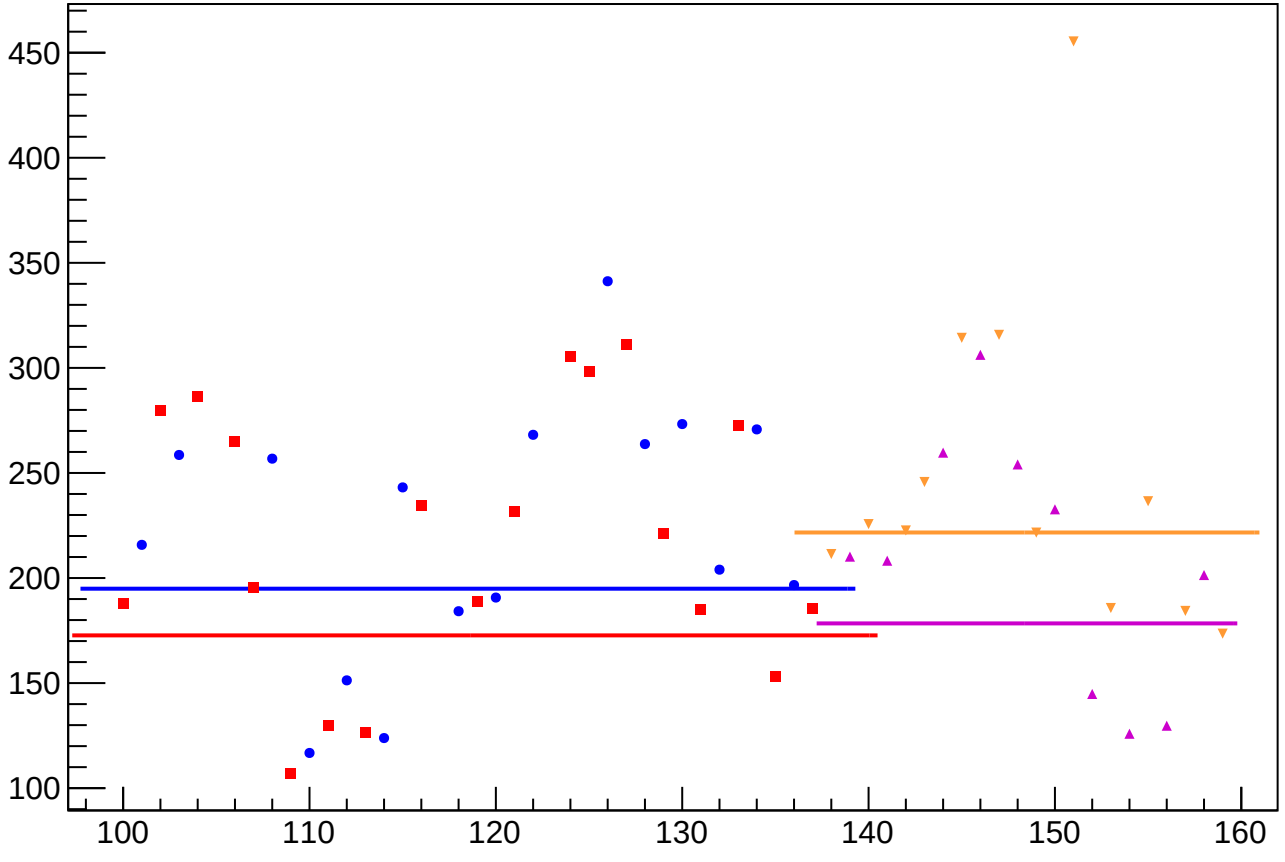
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 77.949+/-49.753 χ^2/NDF:23.6/25

Out: 16.392+/-50.624 χ^2/NDF:26.8/30

All: 47.705+/-35.485 χ^2/NDF: 51.2/56

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.673+/-0.053 χ^2/NDF:971809.9/11

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

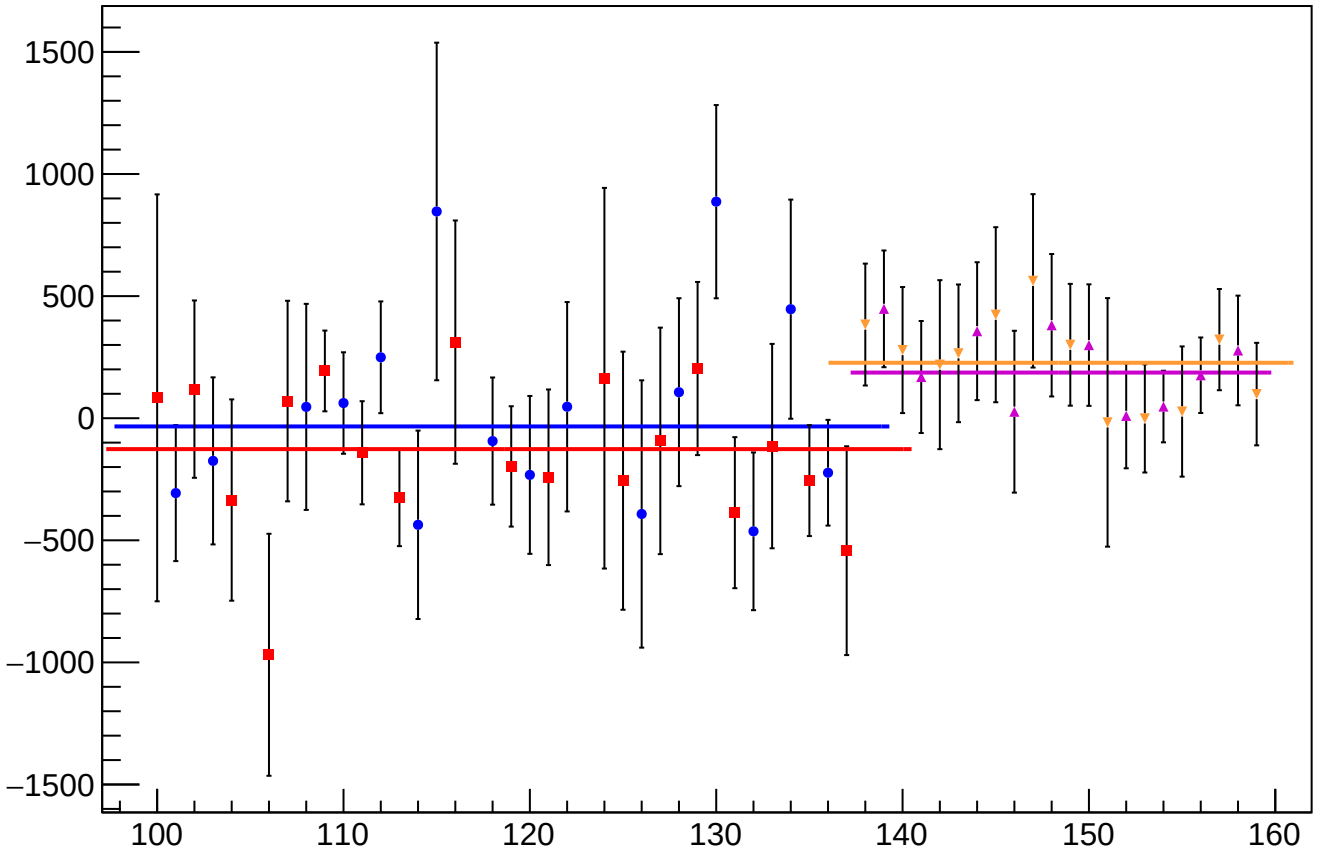
Left: 197.069+/-0.035 χ^2/NDF: 2727383.5/21

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 185.376+/-0.035 χ^2/NDF:2461140.5/25

Out: 194.932+/-0.036 χ^2/NDF:3067031.0/30

All: 190.071+/-0.025 χ^2/NDF: 5564417.8/56



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 227.029+/-77.137 χ^2/NDF:4.2/11

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 186.902+/-68.050 χ^2/NDF:4.2/9

Left: 204.464+/-51.031 χ^2/NDF: 8.5/21

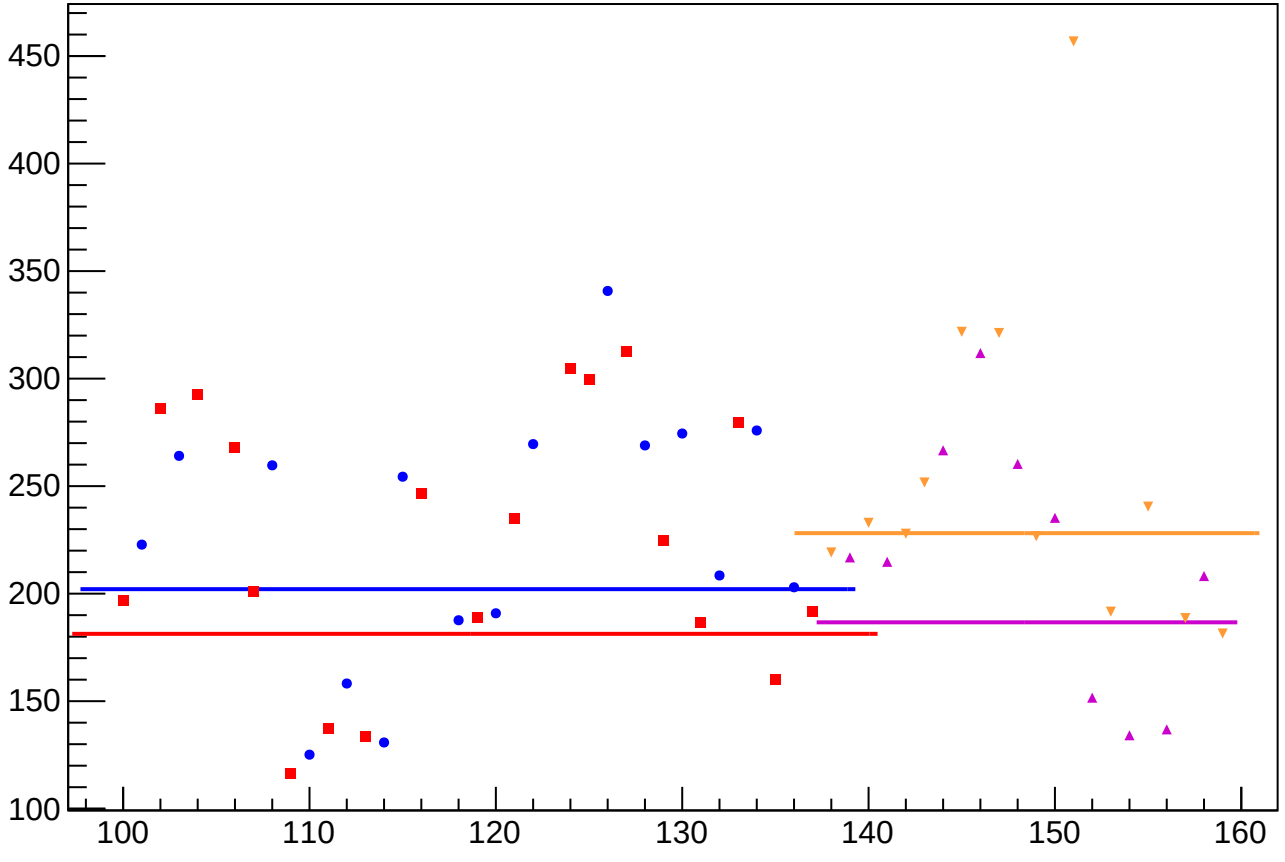
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 92.917+/-51.558 χ^2/NDF:24.4/25

Out: 36.372+/-52.362 χ^2/NDF:28.2/30

All: 65.083+/-36.738 χ^2/NDF: 53.2/56

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 228.137+/-0.055 χ^2/NDF:925098.0/11

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 186.668+/-0.048 χ^2/NDF:1247615.1/9

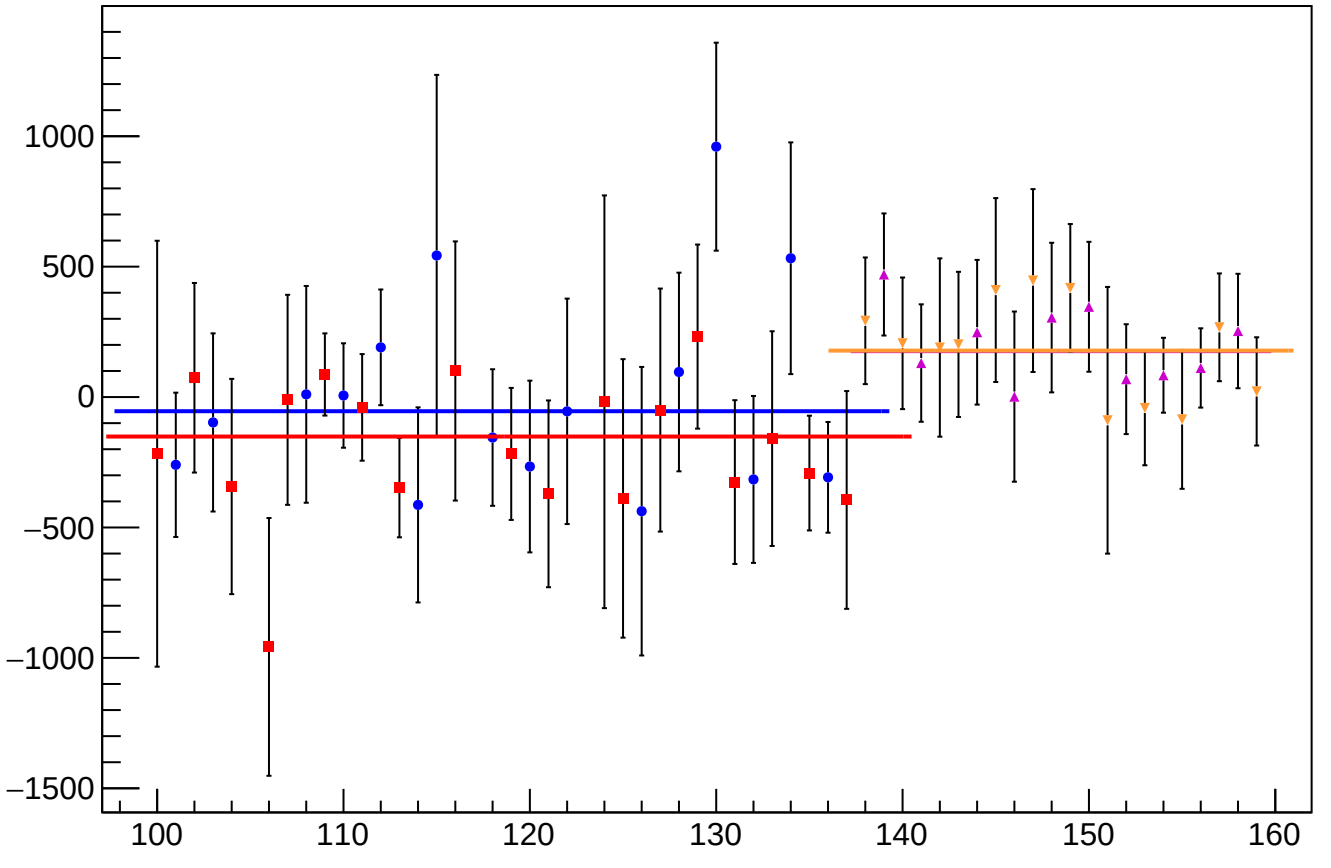
Left: 204.817+/-0.036 χ^2/NDF: 2497765.4/21

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 193.237+/-0.036 χ^2/NDF:2201630.5/25

Out: 202.889+/-0.037 χ^2/NDF:2763468.6/30

All: 197.989+/-0.026 χ^2/NDF: 4999601.0/56



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 178.113+/-76.194 χ^2/NDF:5.2/11

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 176.002+/-66.850 χ^2/NDF:3.6/9

Left: 176.920+/-50.251 χ^2/NDF: 8.9/21

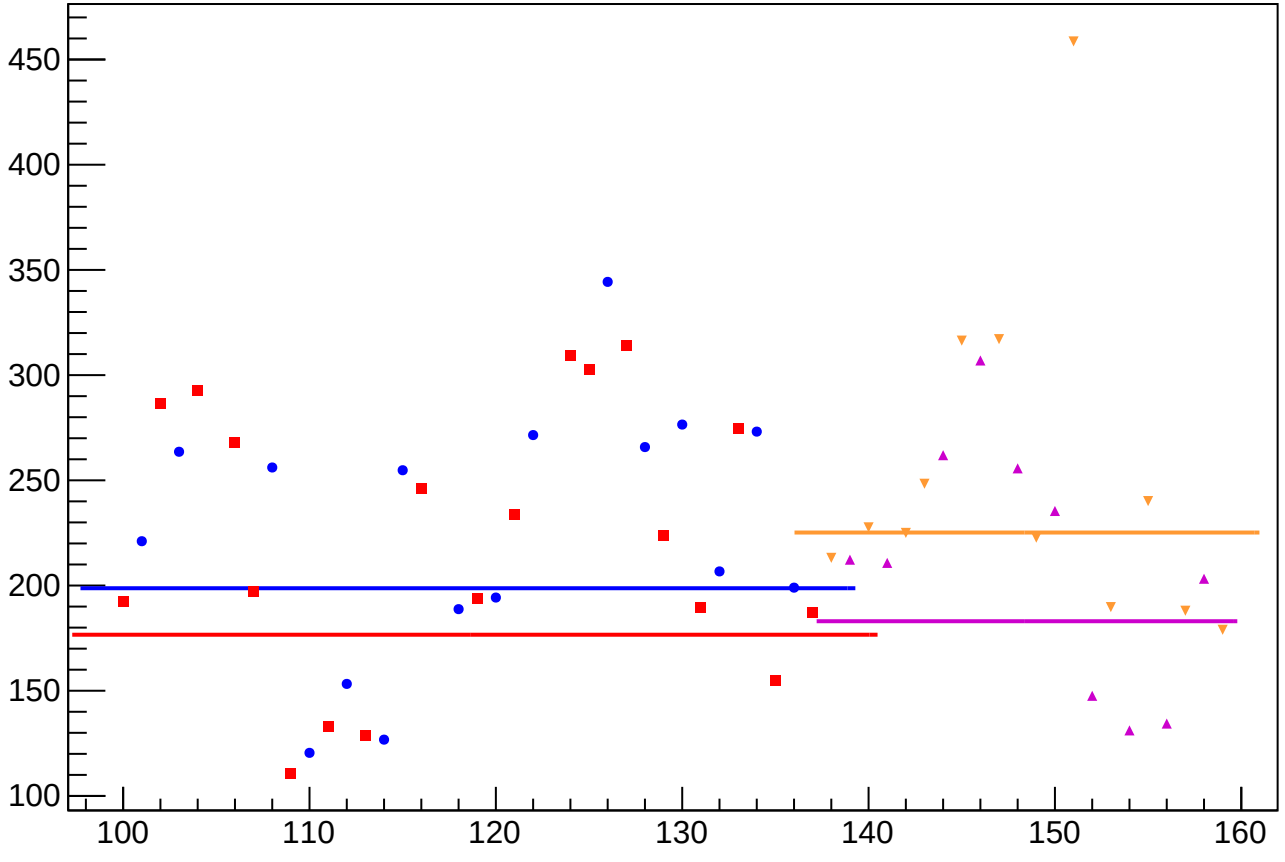
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 78.417+/-50.744 χ^2/NDF:23.7/25

Out: -0.786+/-51.509 χ^2/NDF:25.6/30

All: 39.408+/-36.149 χ^2/NDF: 50.5/56

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 225.191+/-0.054 χ^2/NDF:929635.1/11

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 183.036+/-0.047 χ^2/NDF:1268418.9/9

Left: 201.371+/-0.036 χ^2/NDF: 2543972.4/21

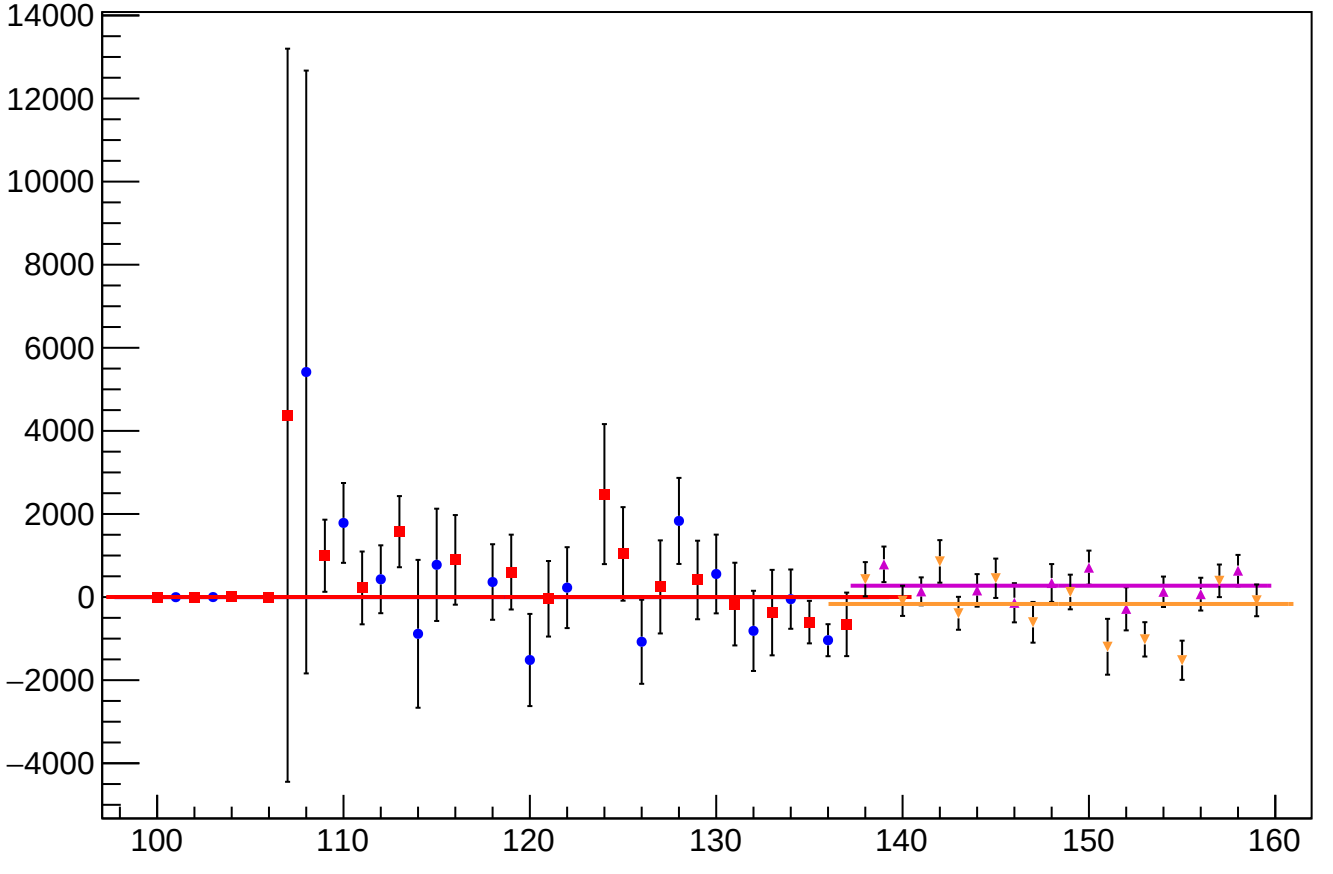
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 189.682+/-0.036 χ^2/NDF:2309135.9/25

Out: 198.818+/-0.036 χ^2/NDF:2966620.7/30

All: 194.182+/-0.026 χ^2/NDF: 5307685.9/56

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -165.942+/-125.067 χ^2/NDF:26.4/11

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 273.575+/-128.365 χ^2/NDF:6.1/9

Left: 48.098+/-89.579 χ^2/NDF: 38.5/21

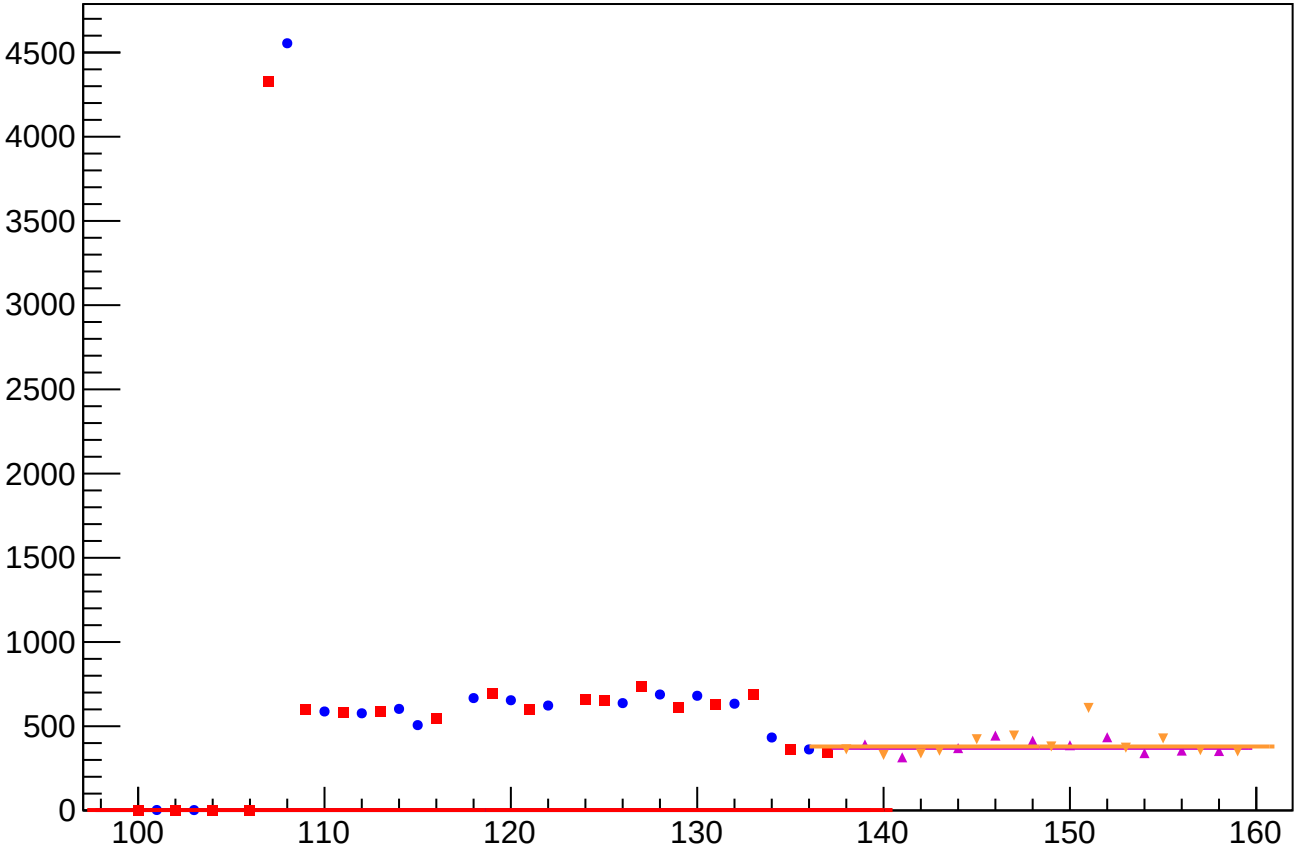
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.160+/-2.171 χ^2/NDF:30.6/25

Out: 1.334+/-2.022 χ^2/NDF:45.0/30

All: 0.175+/-1.480 χ^2/NDF: 76.3/56

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 379.702+/-0.088 χ^2/NDF:385624.1/11

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 371.671+/-0.091 χ^2/NDF:180818.9/9

Left: 375.791+/-0.063 χ^2/NDF: 570459.8/21

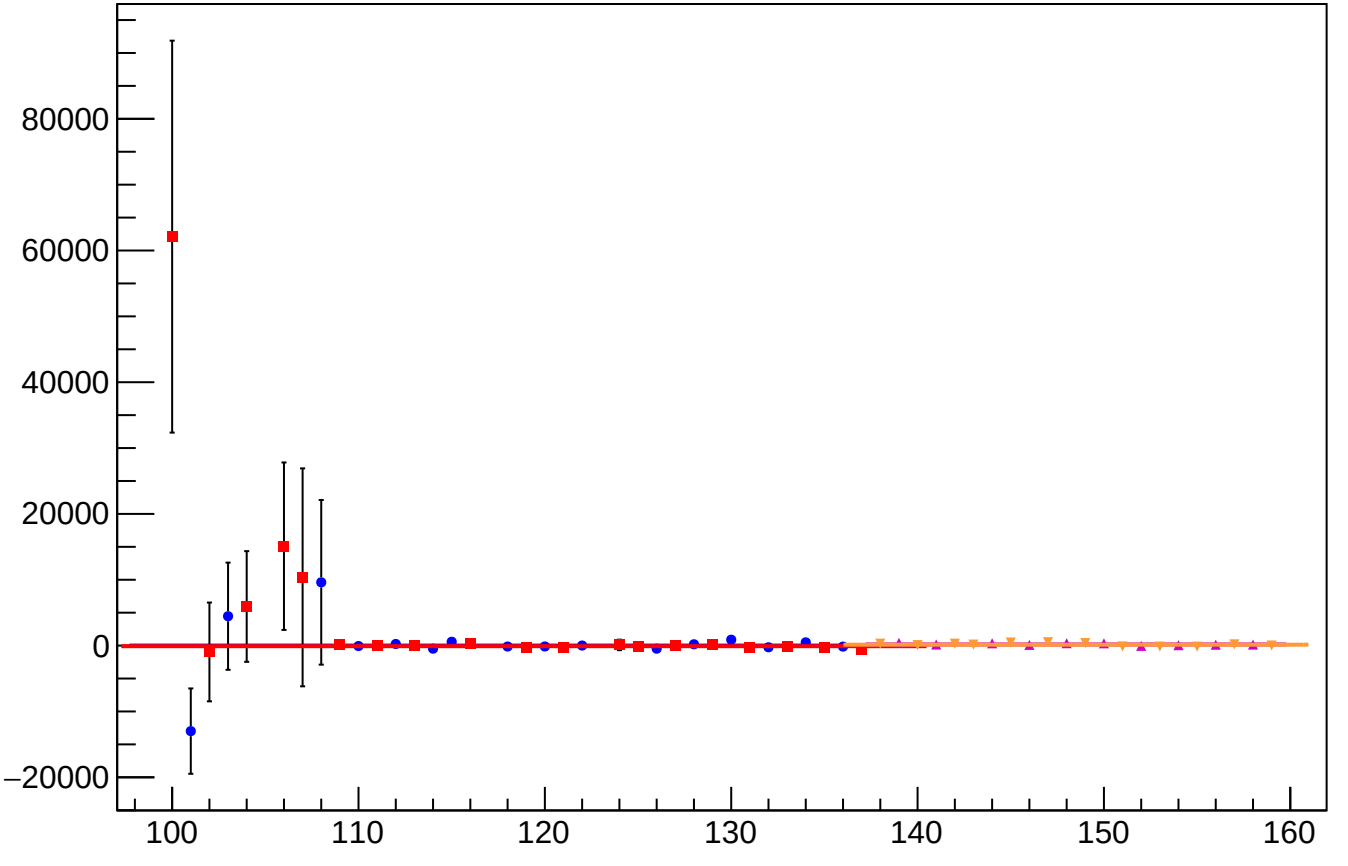
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.582+/-0.002 χ^2/NDF:28346518.6/25

Out: 2.561+/-0.001 χ^2/NDF:30122480.3/30

All: 2.571+/-0.001 χ^2/NDF: 58469103.7/56

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 140.820+/-81.794 χ^2/NDF:6.3/11

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 176.858+/-72.254 χ^2/NDF:3.7/9

Left: 161.062+/-54.152 χ^2/NDF: 10.1/21

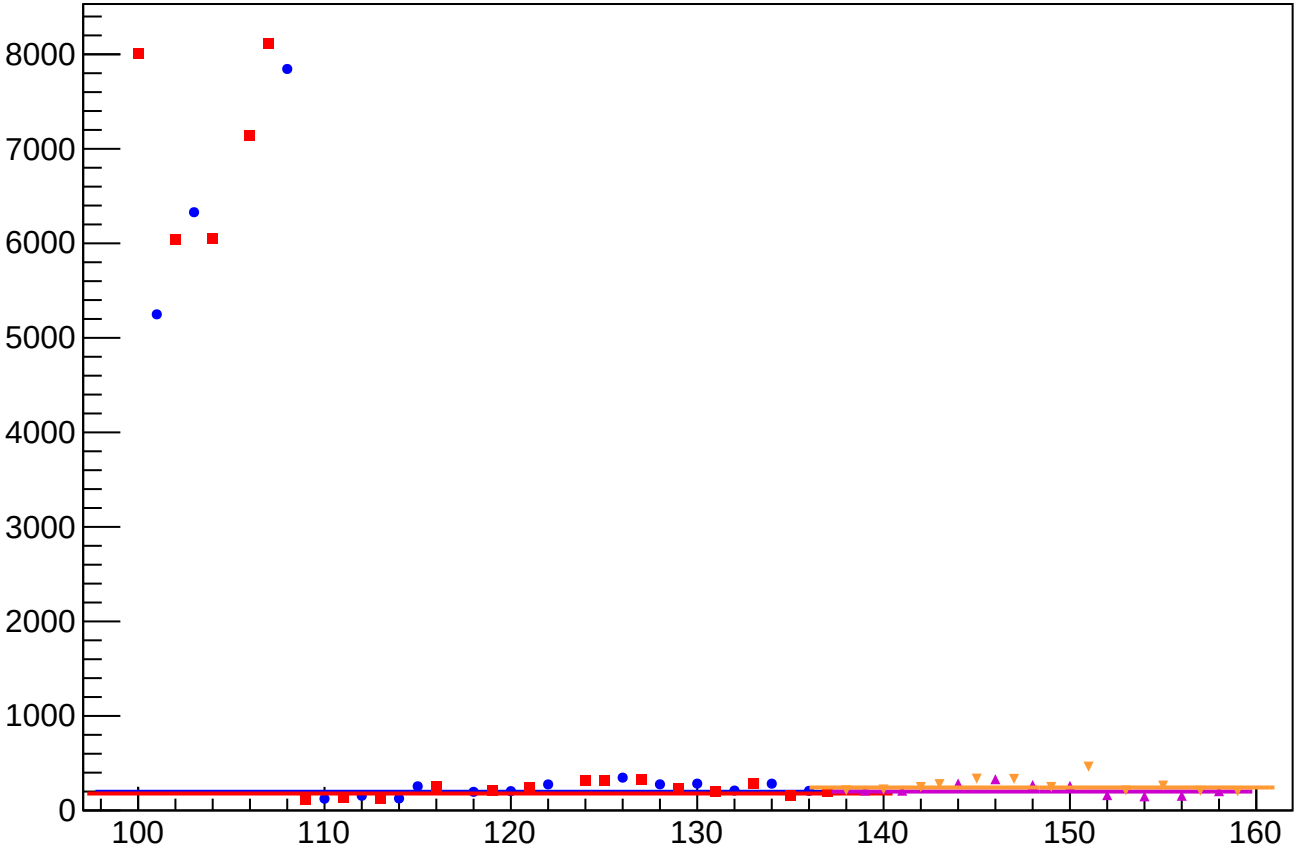
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 105.701+/-55.797 χ^2/NDF:22.9/25

Out: 26.100+/-57.770 χ^2/NDF:25.1/30

All: 67.283+/-40.134 χ^2/NDF: 49.0/56

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 242.973+/-0.058 χ^2/NDF:842790.3/11

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 199.911+/-0.051 χ^2/NDF:1019035.2/9

Left: 218.785+/-0.038 χ^2/NDF: 2173192.3/21

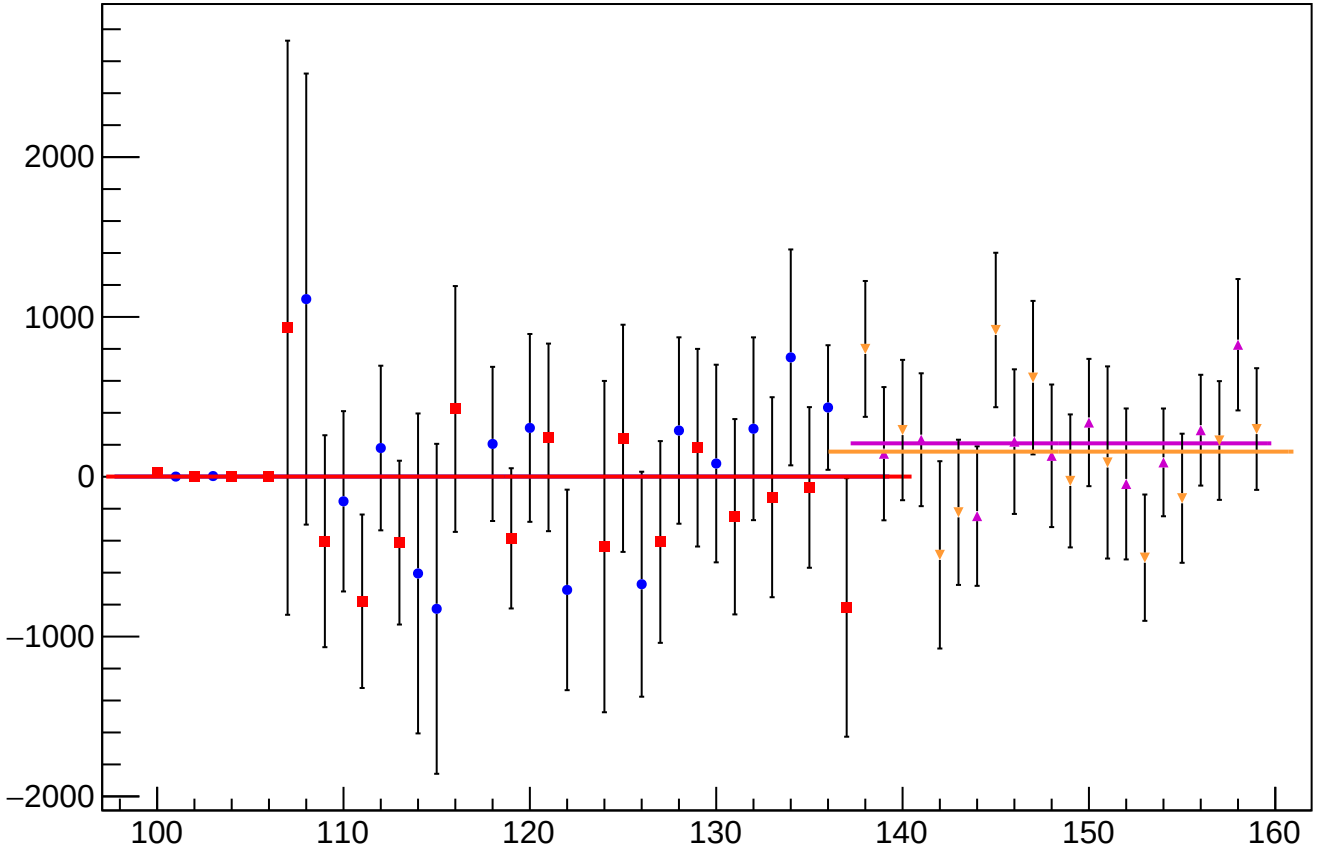
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 198.986+/-0.039 χ^2/NDF:4977039.7/25

Out: 211.038+/-0.041 χ^2/NDF:5869564.6/30

All: 204.802+/-0.028 χ^2/NDF: 10891634.2/56

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 157.228+/-126.671 χ^2/NDF:11.4/11

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 209.082+/-128.535 χ^2/NDF:4.0/9

Left: 182.776+/-90.222 χ^2/NDF: 15.5/21

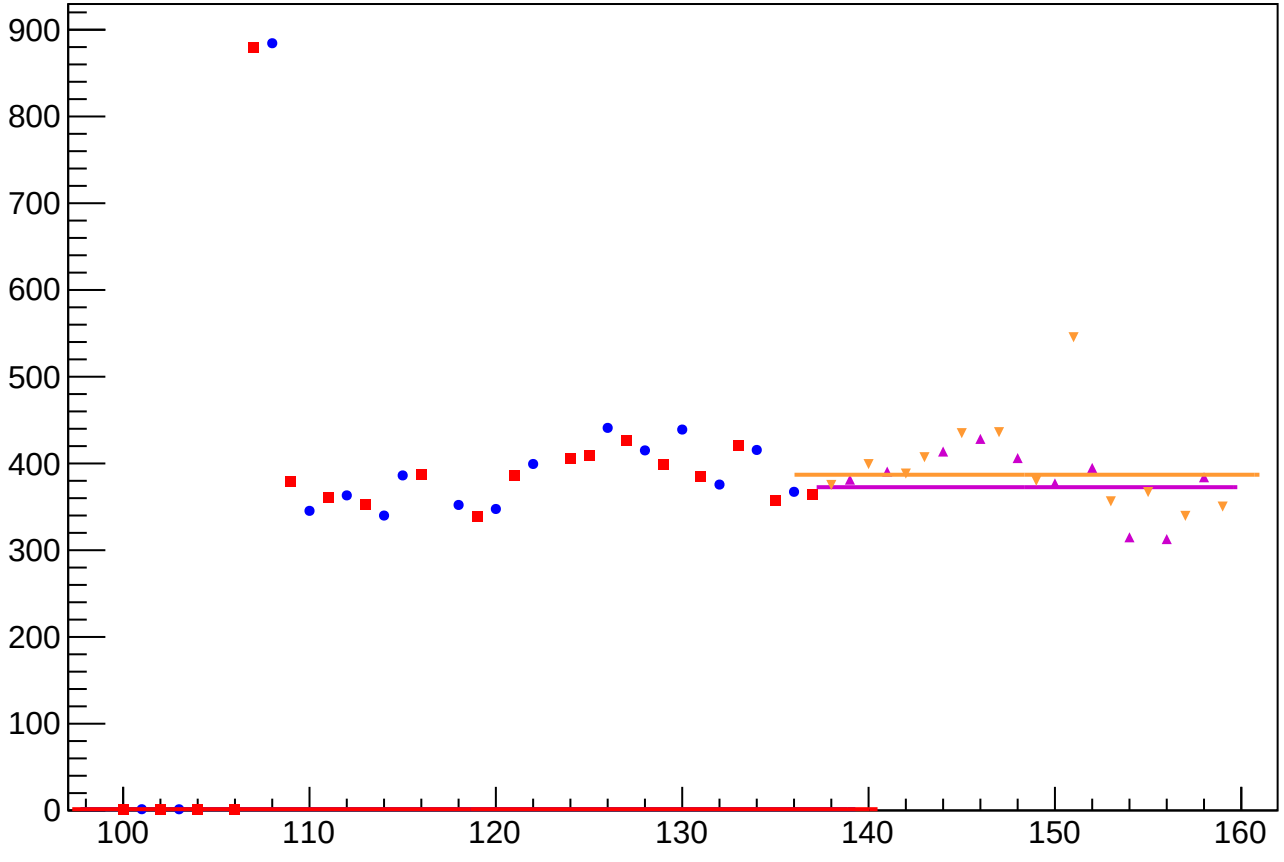
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.490+/-1.660 χ^2/NDF:14.5/25

Out: 1.116+/-1.528 χ^2/NDF:22.1/30

All: 1.288+/-1.124 χ^2/NDF: 36.6/56

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 387.012+/-0.090 χ^2/NDF:255300.3/11

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 372.663+/-0.091 χ^2/NDF:188412.1/9

Left: 379.942+/-0.064 χ^2/NDF: 456356.7/21

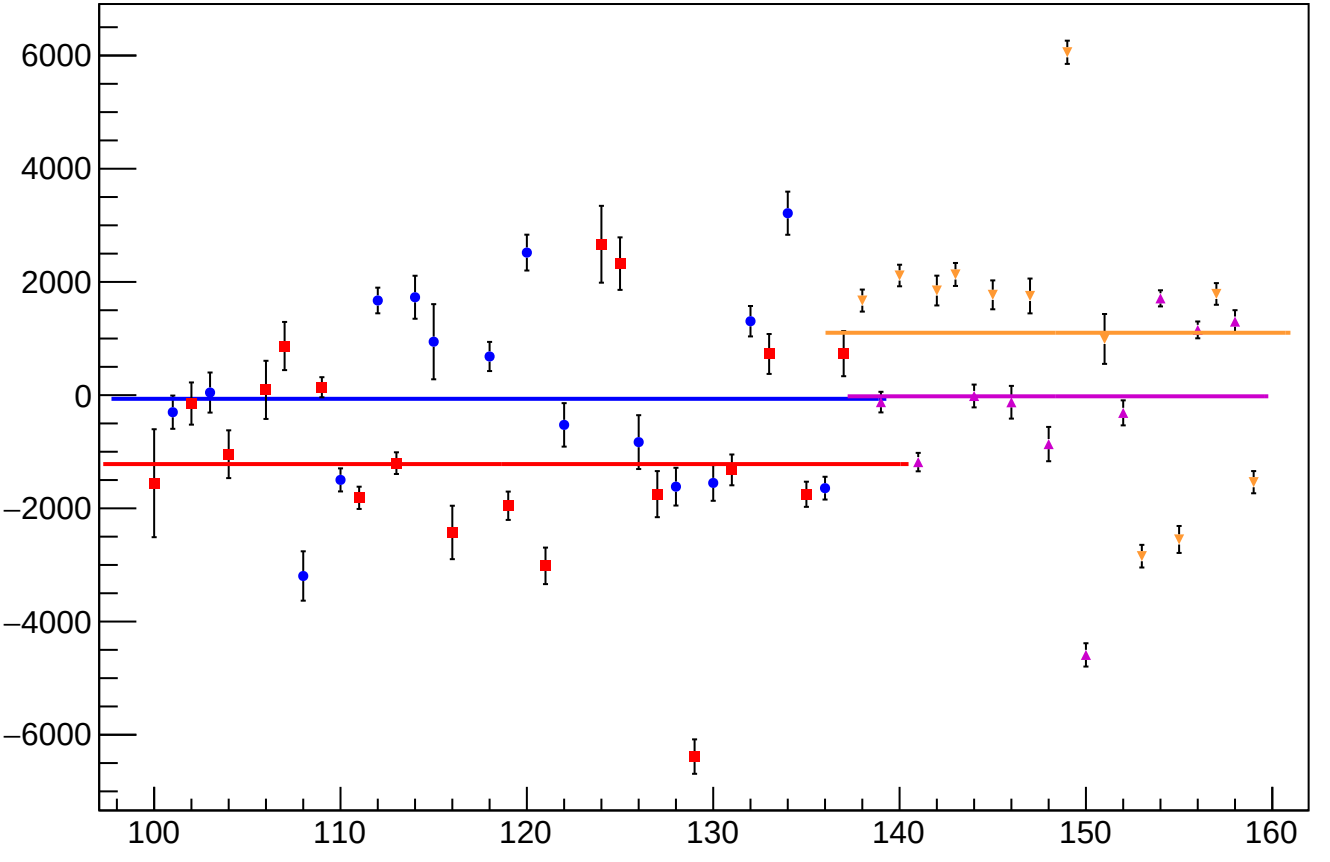
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.532+/-0.001 χ^2/NDF:28600448.6/25

Out: 1.523+/-0.001 χ^2/NDF:30050902.2/30

All: 1.527+/-0.001 χ^2/NDF: 58651381.7/56

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1102.078+/-64.108 χ^2/NDF:1483.4/11

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -20.618+/-59.912 χ^2/NDF:805.6/9

Left: 502.786+/-43.772 χ^2/NDF: 2452.7/21

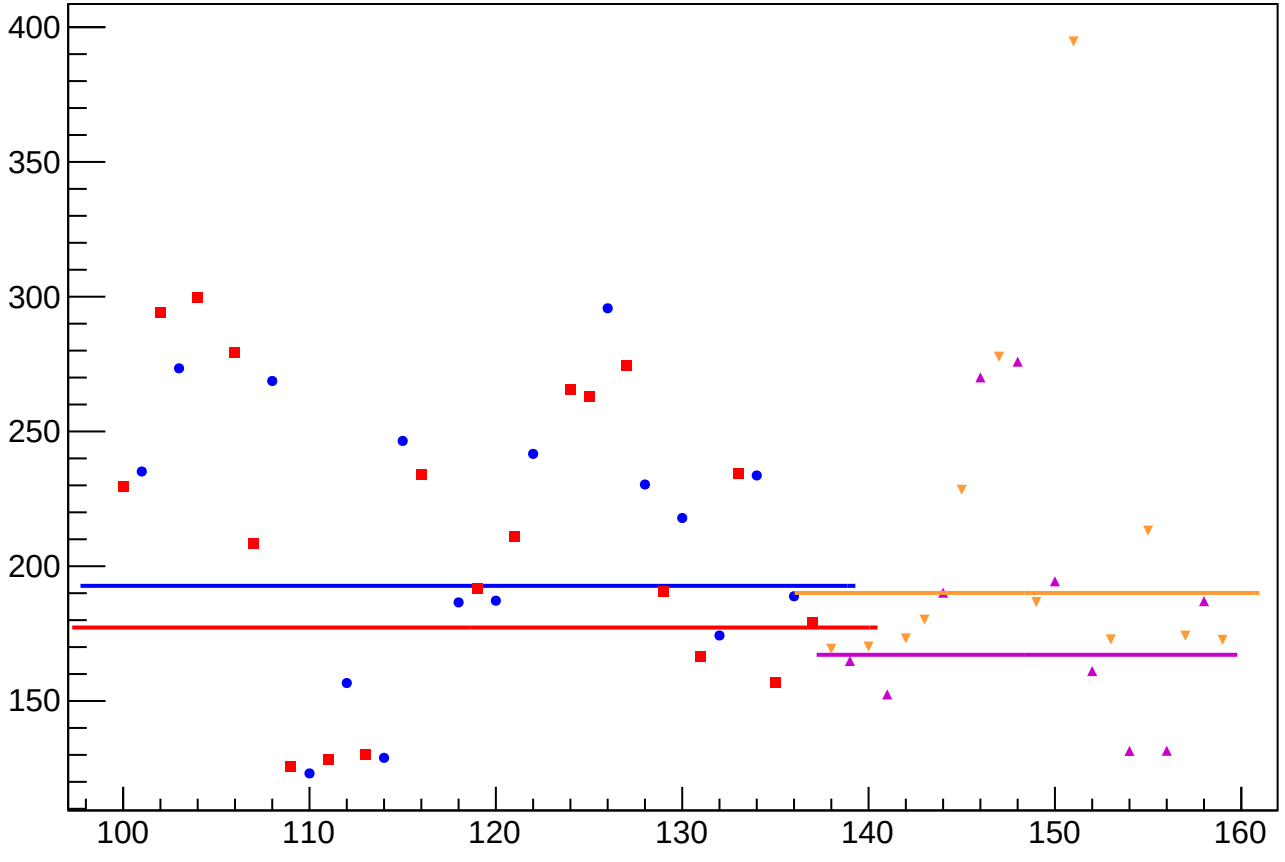
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -37.934+/-46.784 χ^2/NDF:1275.3/25

Out: 27.638+/-46.972 χ^2/NDF:2684.5/30

All: -5.279+/-33.148 χ^2/NDF: 3960.8/56

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 190.091+/-0.045 χ^2/NDF:759946.8/11

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 167.141+/-0.042 χ^2/NDF:849890.8/9

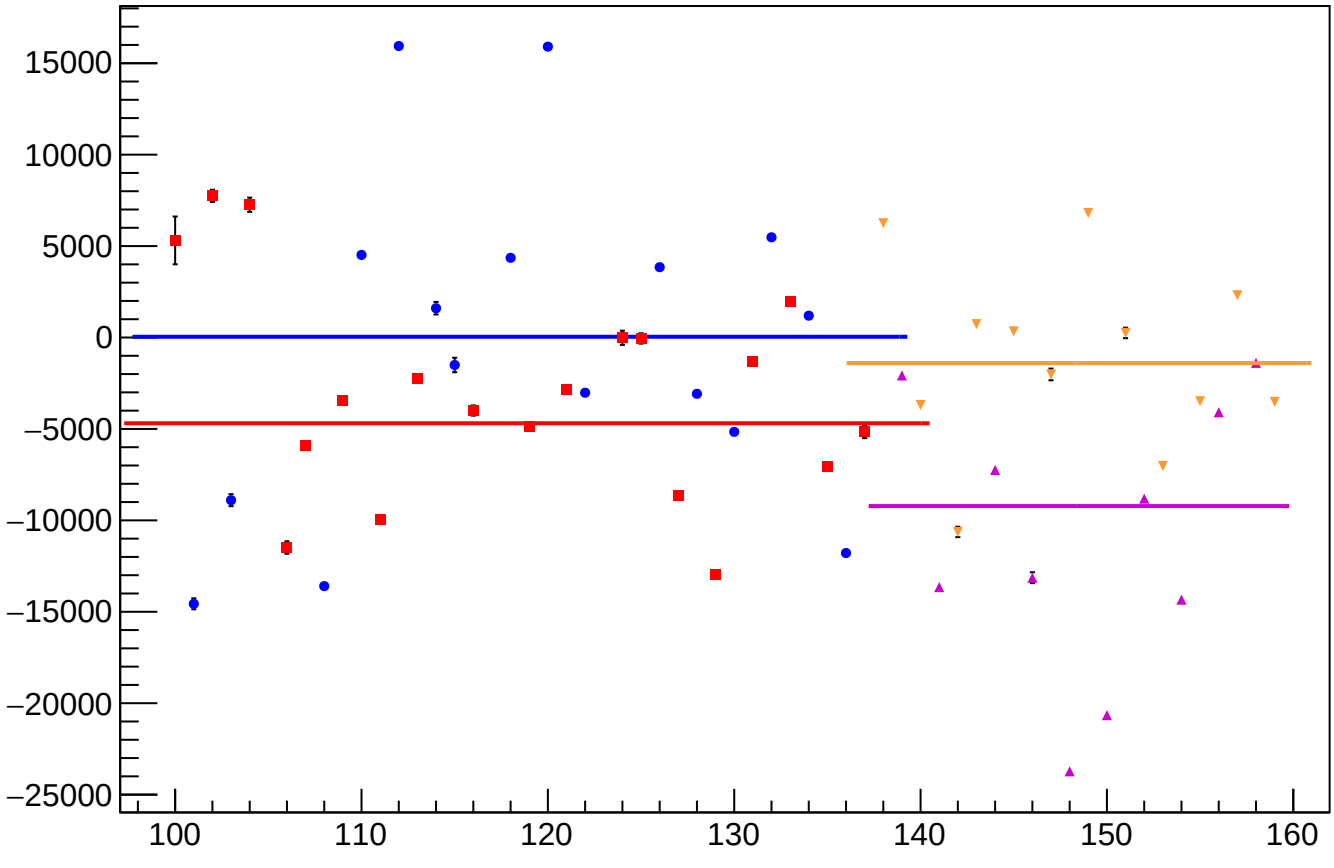
Left: 177.841+/-0.031 χ^2/NDF: 1746658.3/21

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 177.122+/-0.033 χ^2/NDF:1751279.1/25

Out: 184.145+/-0.033 χ^2/NDF:2023285.8/30

All: 180.619+/-0.023 χ^2/NDF: 3797006.7/56



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1398.372+/-56.229 χ^2/NDF:6795.1/11

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -9218.937+/-60.616 χ^2/NDF:12984.8/9

Left: -5015.476+/-41.224 χ^2/NDF: 28726.9/21

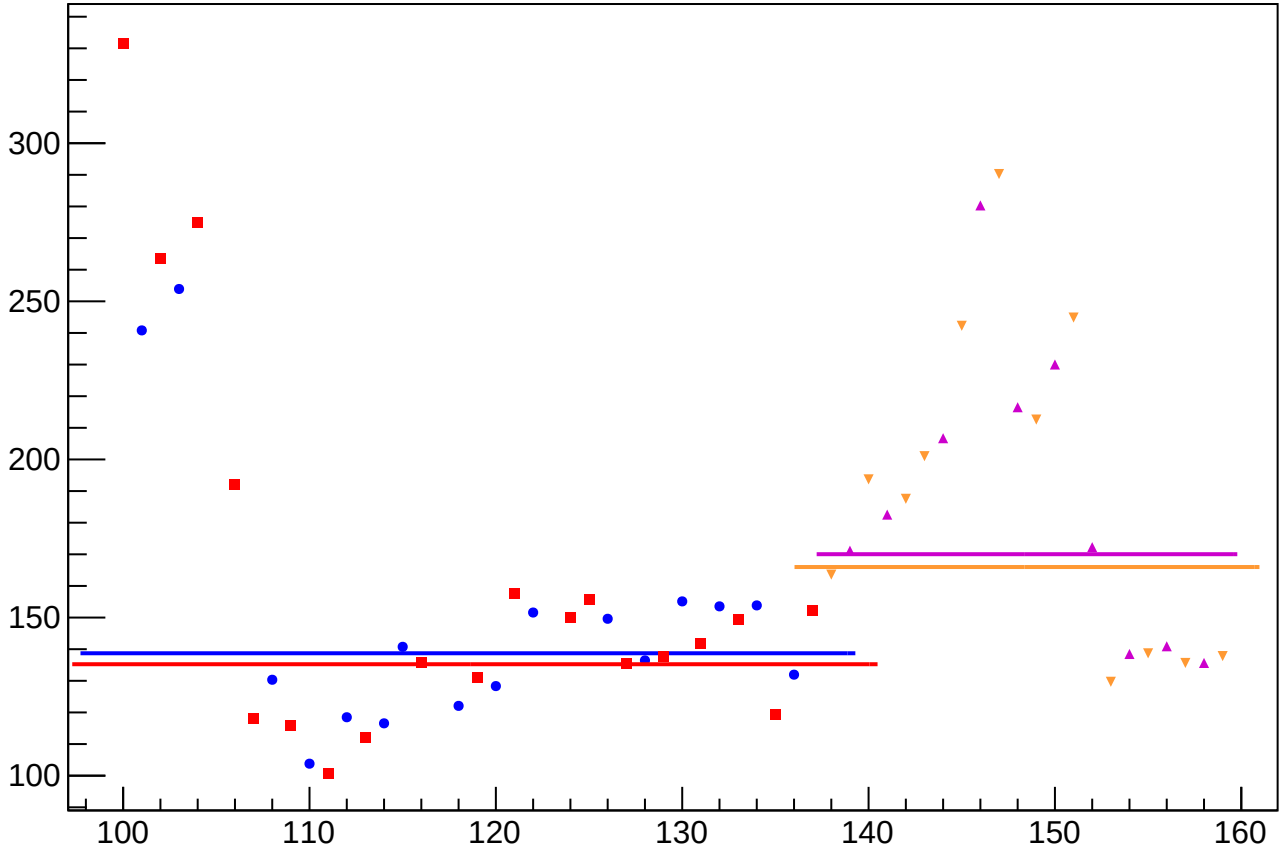
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4073.092+/-40.403 χ^2/NDF:56739.6/25

Out: -3169.469+/-38.215 χ^2/NDF:16434.5/30

All: -3596.148+/-27.763 χ^2/NDF: 73438.2/56

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 165.982+/-0.040 χ^2/NDF:1125866.7/11

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

Left: 167.858+/-0.029 χ^2/NDF: 1933516.1/21

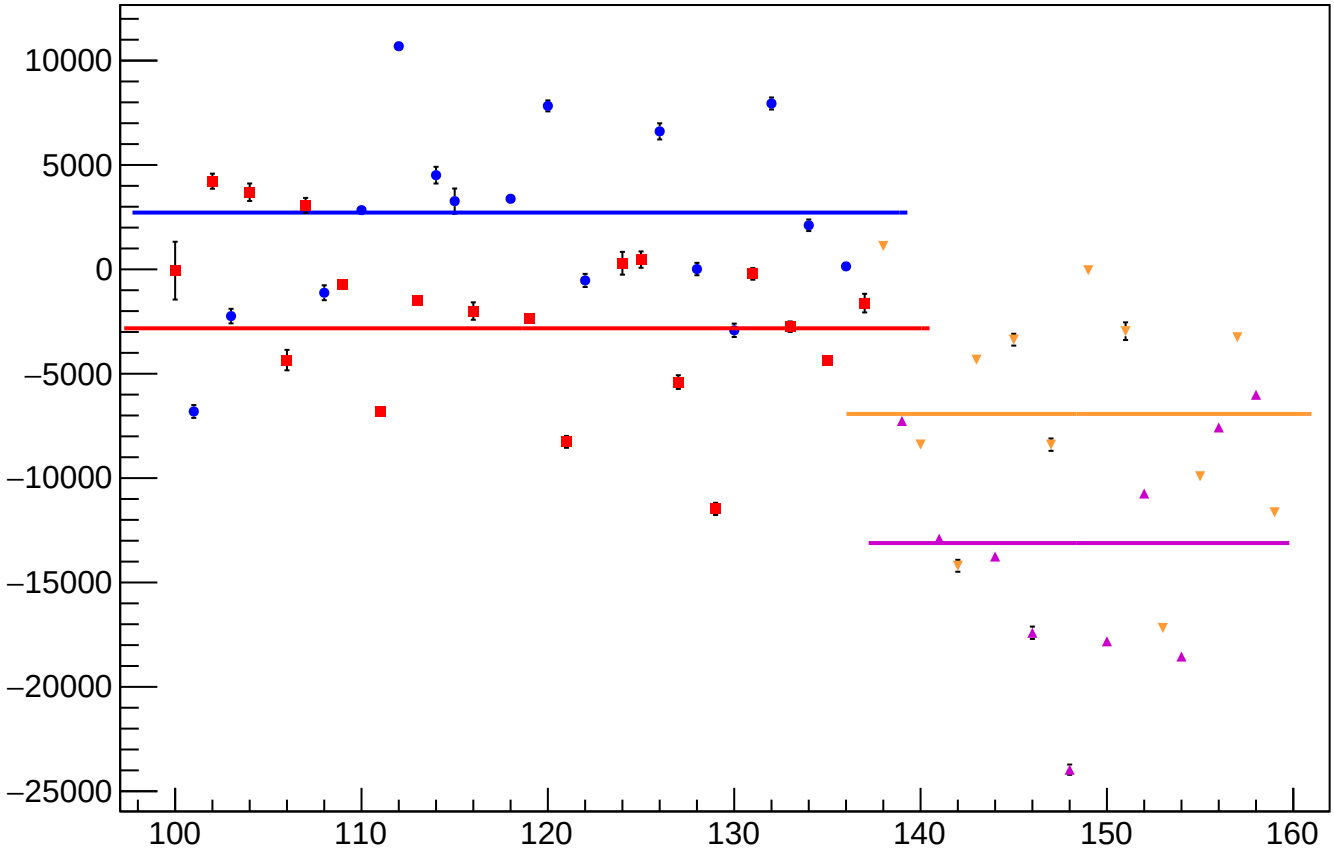
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.630+/-0.029 χ^2/NDF:1757468.0/25

Out: 149.442+/-0.027 χ^2/NDF:2337476.1/30

All: 150.947+/-0.020 χ^2/NDF: 4101513.8/56

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6924.698+/-67.149 χ^2/NDF:7355.0/11

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -13110.901+/-63.887 χ^2/NDF:7227.5/9

Left: -10171.690+/-46.285 χ^2/NDF: 19037.3/21

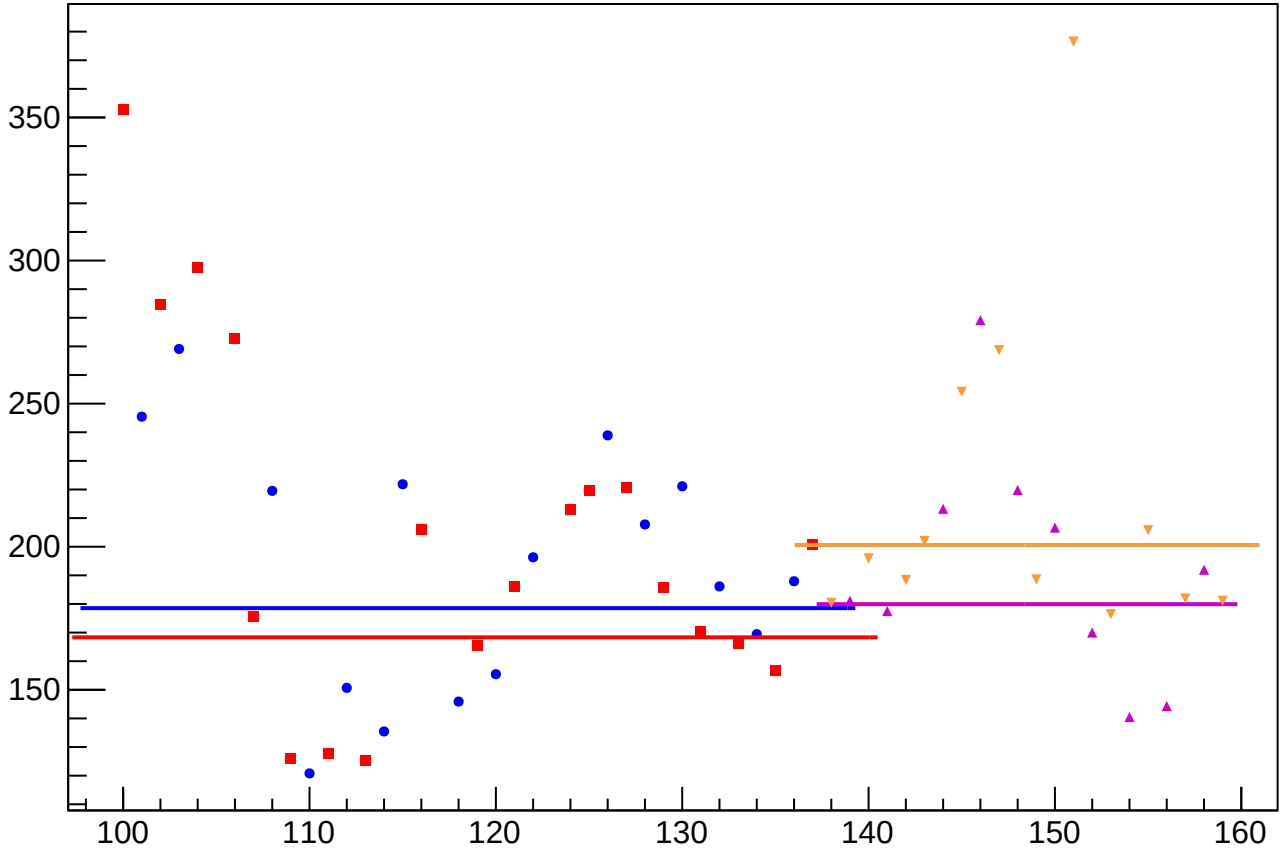
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5831.758+/-46.956 χ^2/NDF:39589.5/25

Out: -4802.782+/-46.648 χ^2/NDF:12347.7/30

All: -5313.882+/-33.093 χ^2/NDF: 52178.9/56

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.606+/-0.047 χ^2/NDF:617081.6/11

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

Left: 189.752+/-0.033 χ^2/NDF: 1308974.2/21

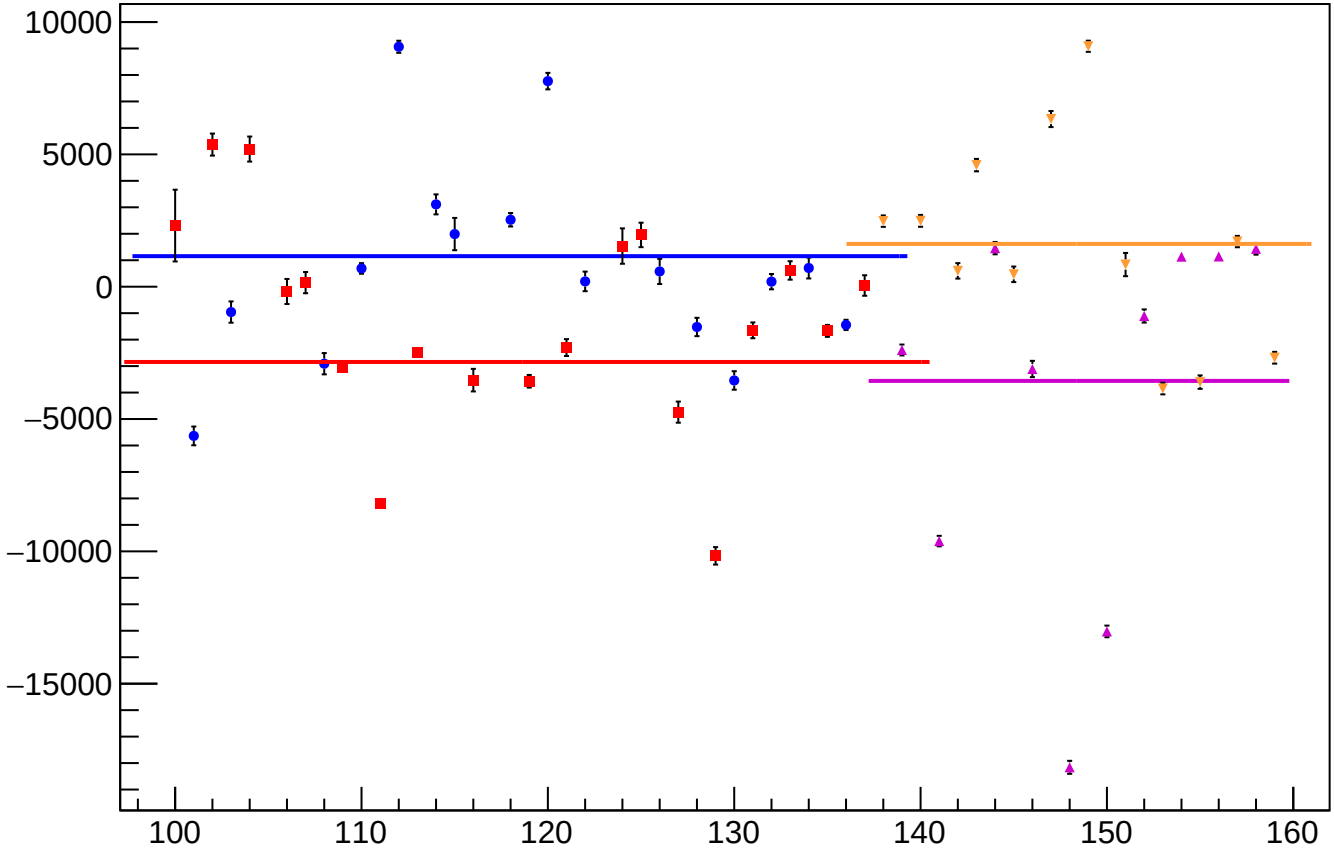
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.290+/-0.033 χ^2/NDF:1267337.2/25

Out: 183.909+/-0.033 χ^2/NDF:1835581.6/30

All: 181.614+/-0.023 χ^2/NDF: 3112657.6/56

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1617.160+/-70.874 χ^2/NDF:3131.0/11

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3559.811+/-67.313 χ^2/NDF:8940.6/9

Left: -1104.645+/-48.808 χ^2/NDF: 14876.8/21

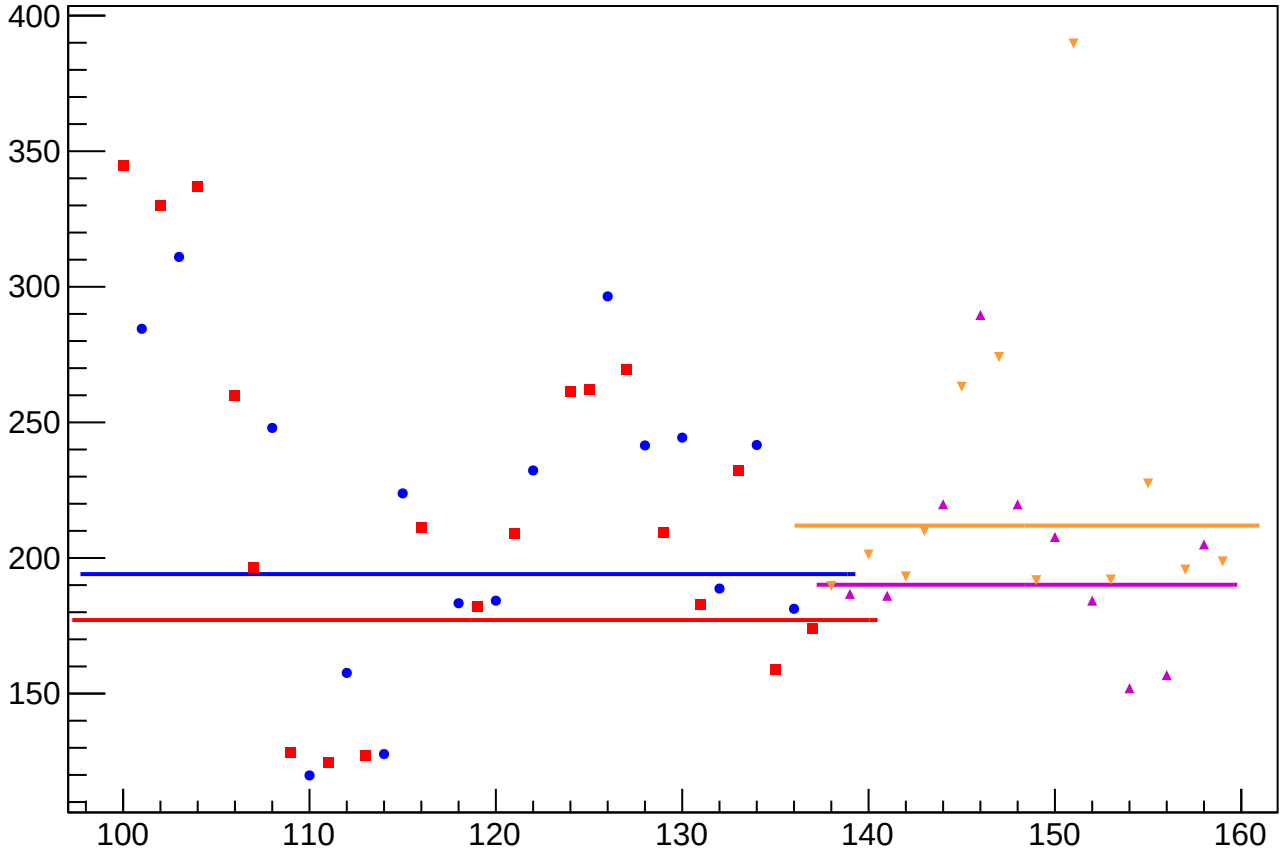
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1486.344+/-50.378 χ^2/NDF:13753.0/25

Out: -668.641+/-49.491 χ^2/NDF:7614.2/30

All: -1070.232+/-35.305 χ^2/NDF: 21501.2/56

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 211.959+/-0.050 χ^2/NDF:566452.4/11

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

Left: 200.486+/-0.035 χ^2/NDF: 1139382.3/21

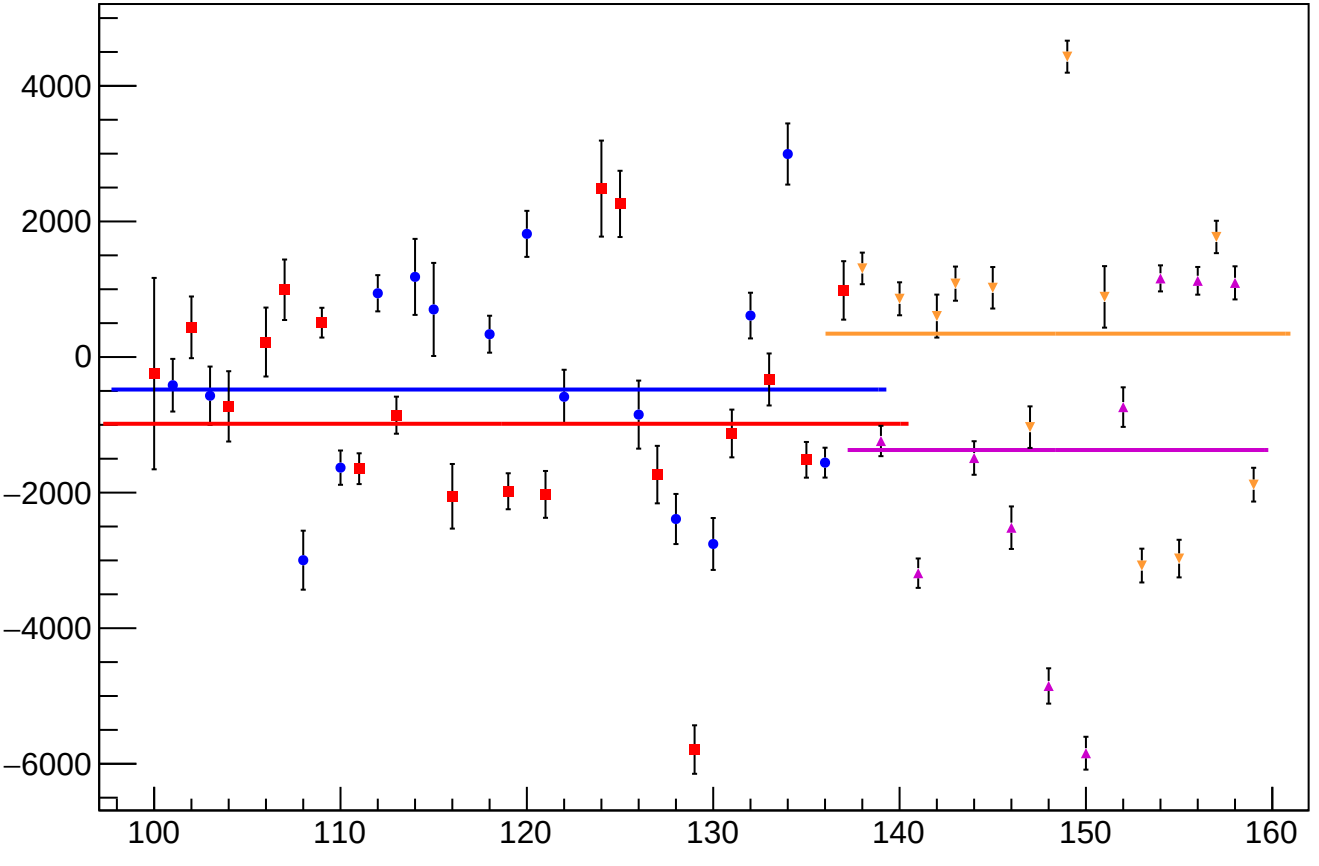
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.860+/-0.036 χ^2/NDF:1442009.3/25

Out: 194.105+/-0.035 χ^2/NDF:2173494.8/30

All: 193.003+/-0.025 χ^2/NDF: 3617526.5/56

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 344.844+/-77.184 χ^2/NDF:803.8/11

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -1371.372+/-74.745 χ^2/NDF:1032.4/9

Left: -540.811+/-53.694 χ^2/NDF: 2091.3/21

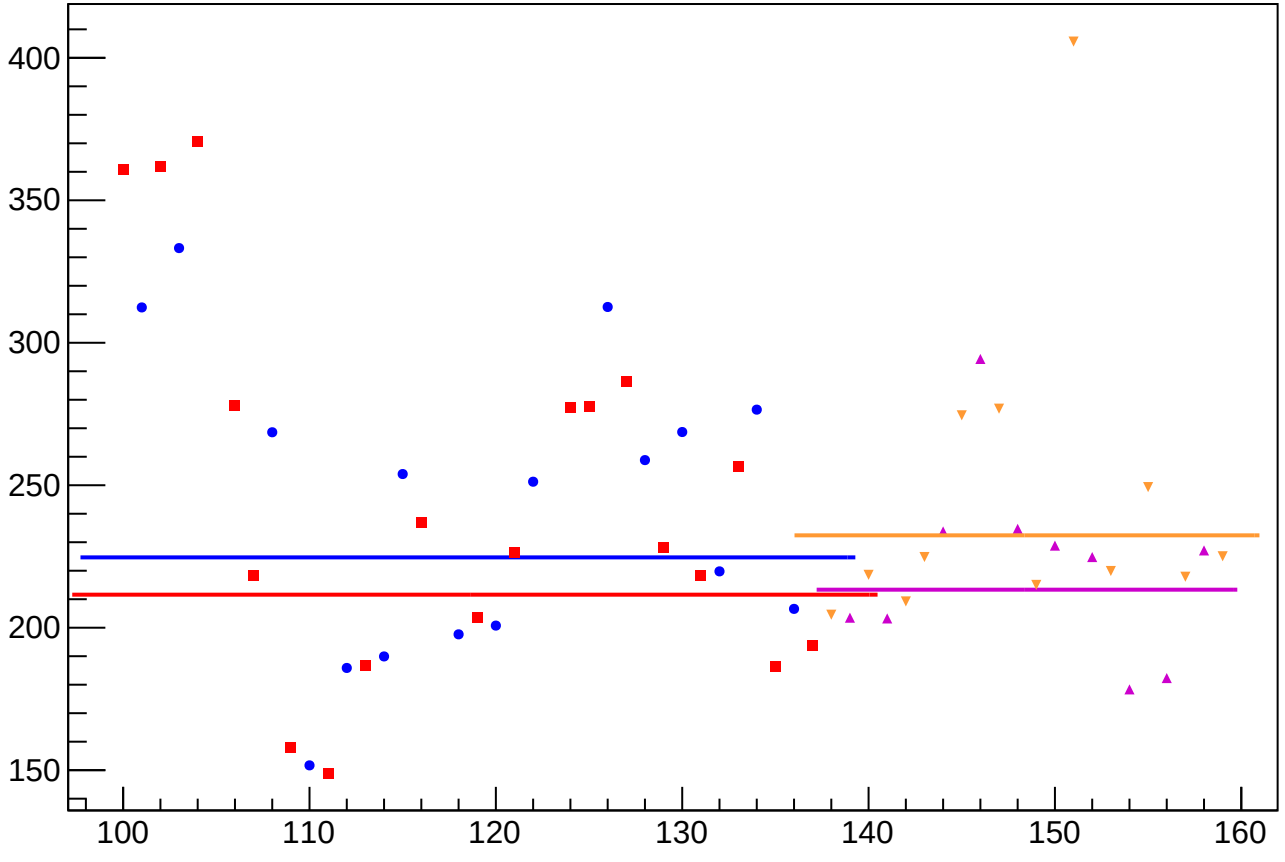
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -990.958+/-56.607 χ^2/NDF:1398.6/25

Out: -288.228+/-55.860 χ^2/NDF:1343.2/30

All: -634.923+/-39.761 χ^2/NDF: 2819.8/56

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 232.418+/-0.055 χ^2/NDF:451641.8/11

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

Left: 222.576+/-0.038 χ^2/NDF: 813037.5/21

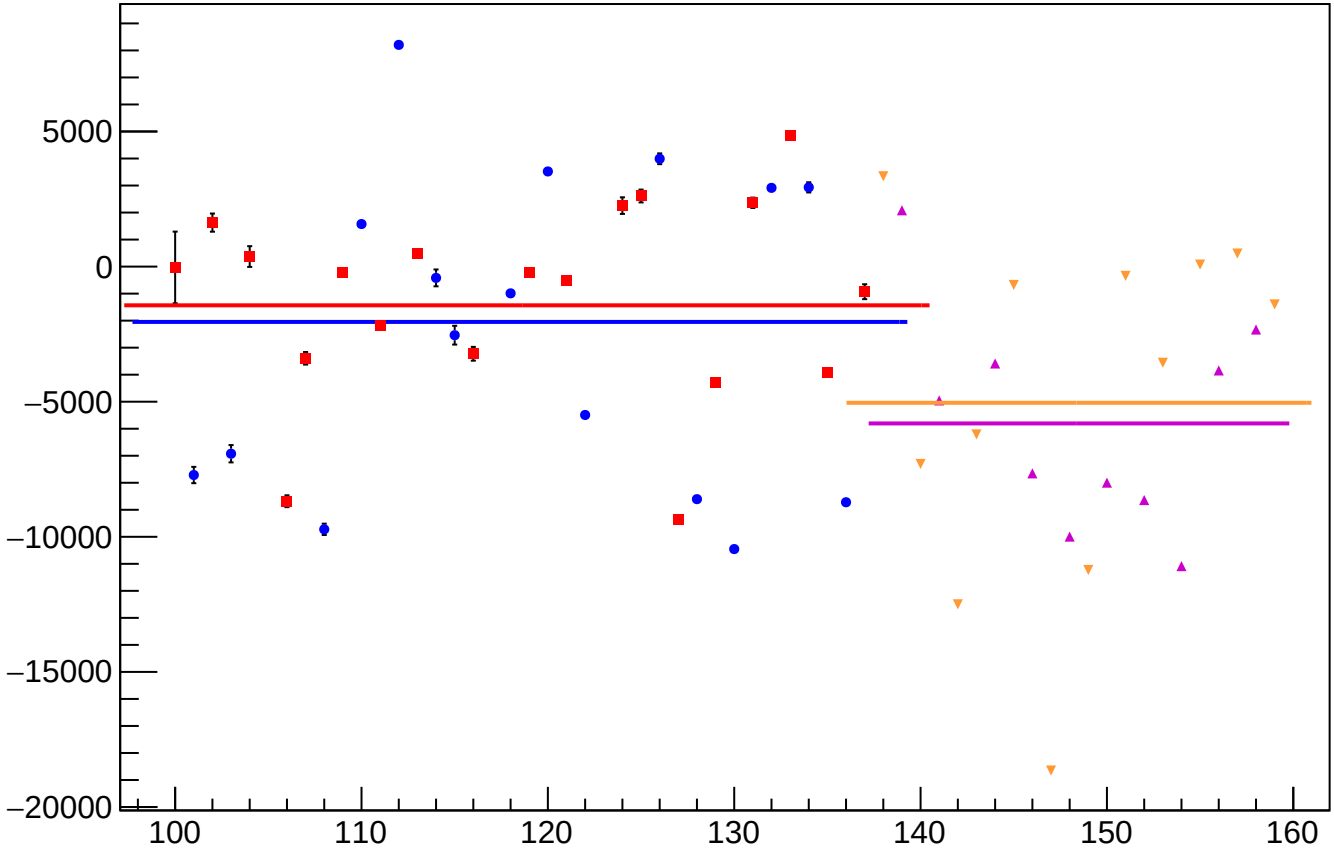
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.180+/-0.040 χ^2/NDF:971189.4/25

Out: 222.502+/-0.039 χ^2/NDF:1453869.9/30

All: 220.370+/-0.028 χ^2/NDF: 2430964.1/56

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5039.958+/-37.770 χ^2/NDF:28389.5/11

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5804.233+/-39.942 χ^2/NDF:9005.0/9

Left: -5400.753+/-27.443 χ^2/NDF: 37587.8/21

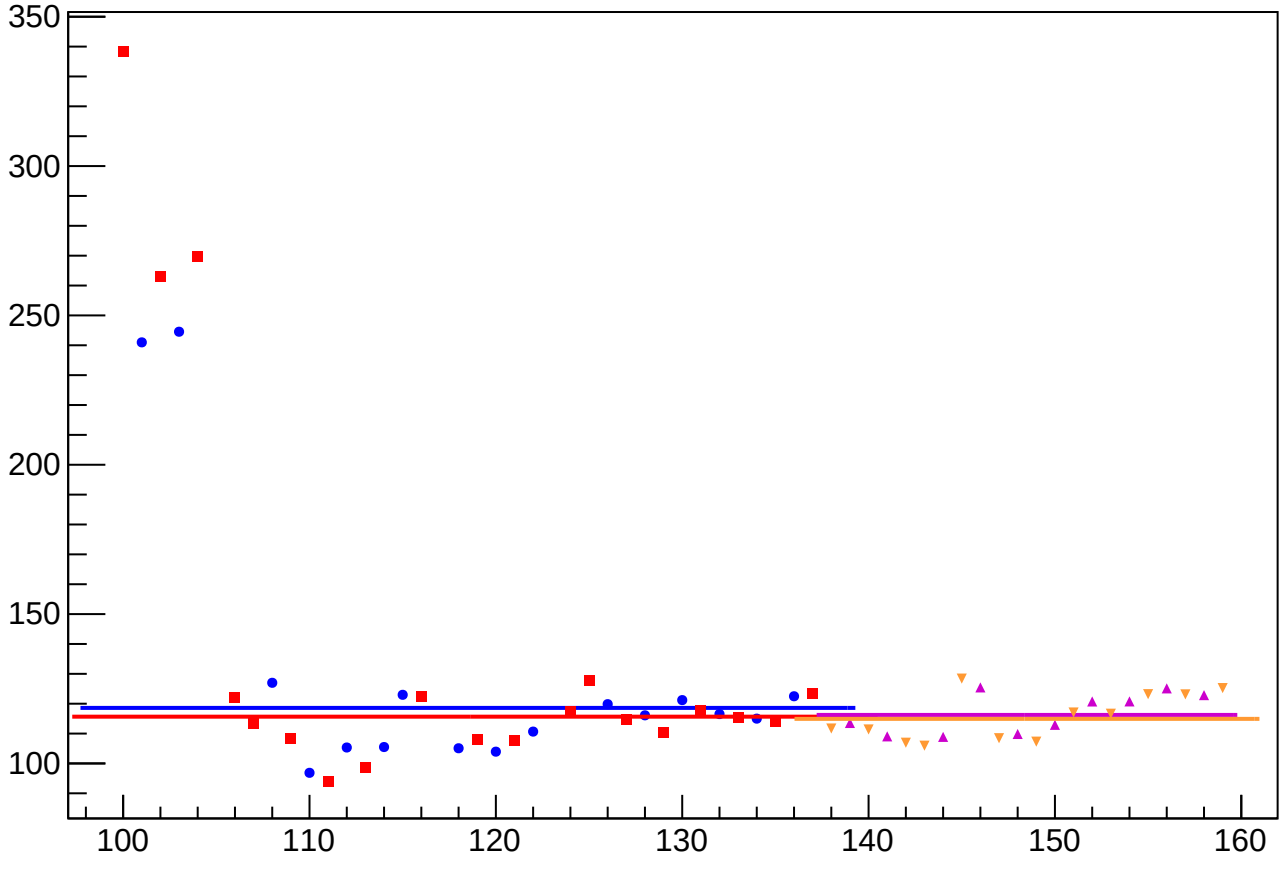
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4217.870+/-30.360 χ^2/NDF:29449.9/25

Out: -3538.534+/-28.858 χ^2/NDF:38573.6/30

All: -3860.981+/-20.917 χ^2/NDF: 68286.4/56

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.924+/-0.027 χ^2/NDF:77200.5/11

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

Left: 115.547+/-0.019 χ^2/NDF: 129098.2/21

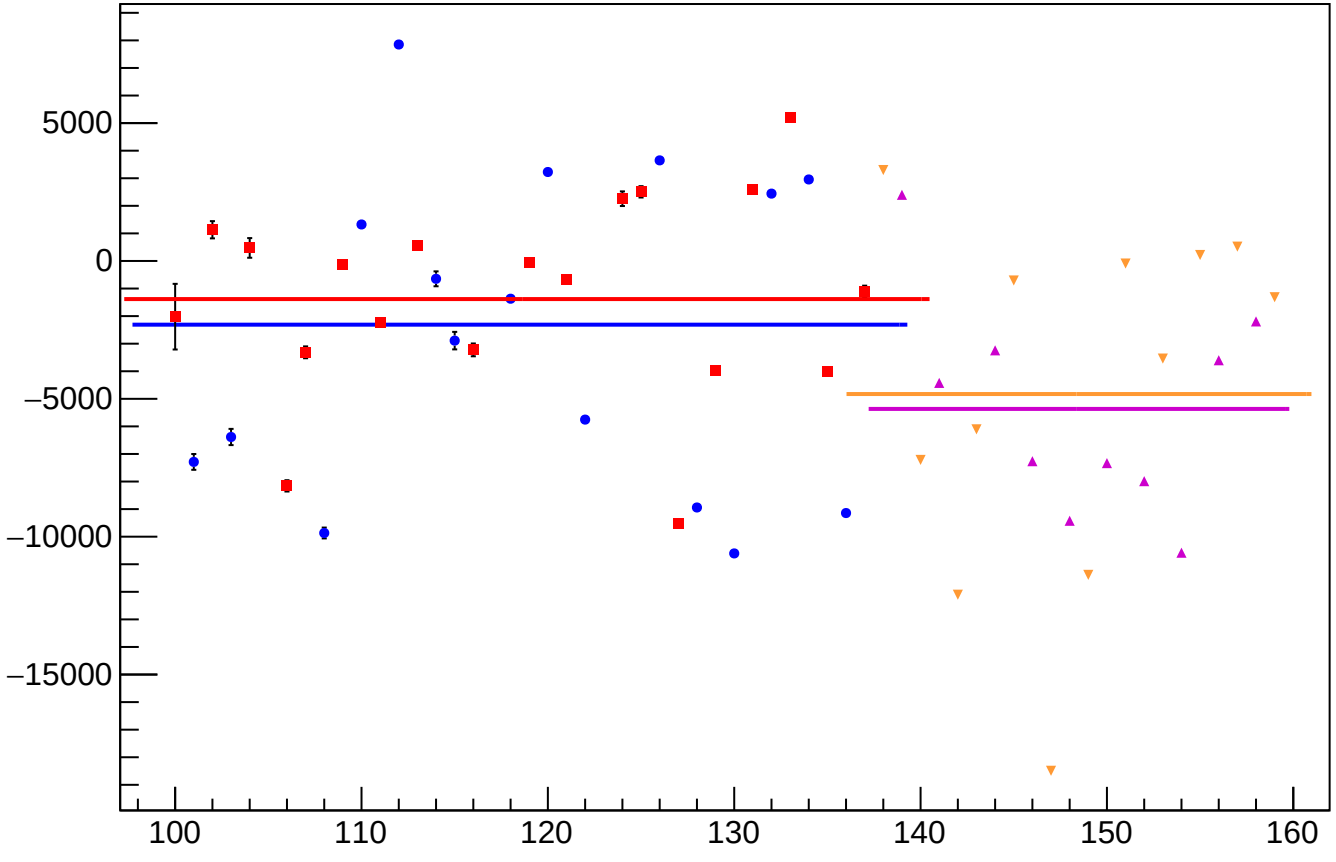
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.237+/-0.021 χ^2/NDF:787833.3/25

Out: 115.230+/-0.020 χ^2/NDF:941722.8/30

All: 116.182+/-0.015 χ^2/NDF: 1734146.1/56

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4826.395+/-33.952 χ^2/NDF:34266.0/11

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5366.126+/-35.908 χ^2/NDF:10664.7/9

Left: -5081.163+/-24.670 χ^2/NDF: 45049.9/21

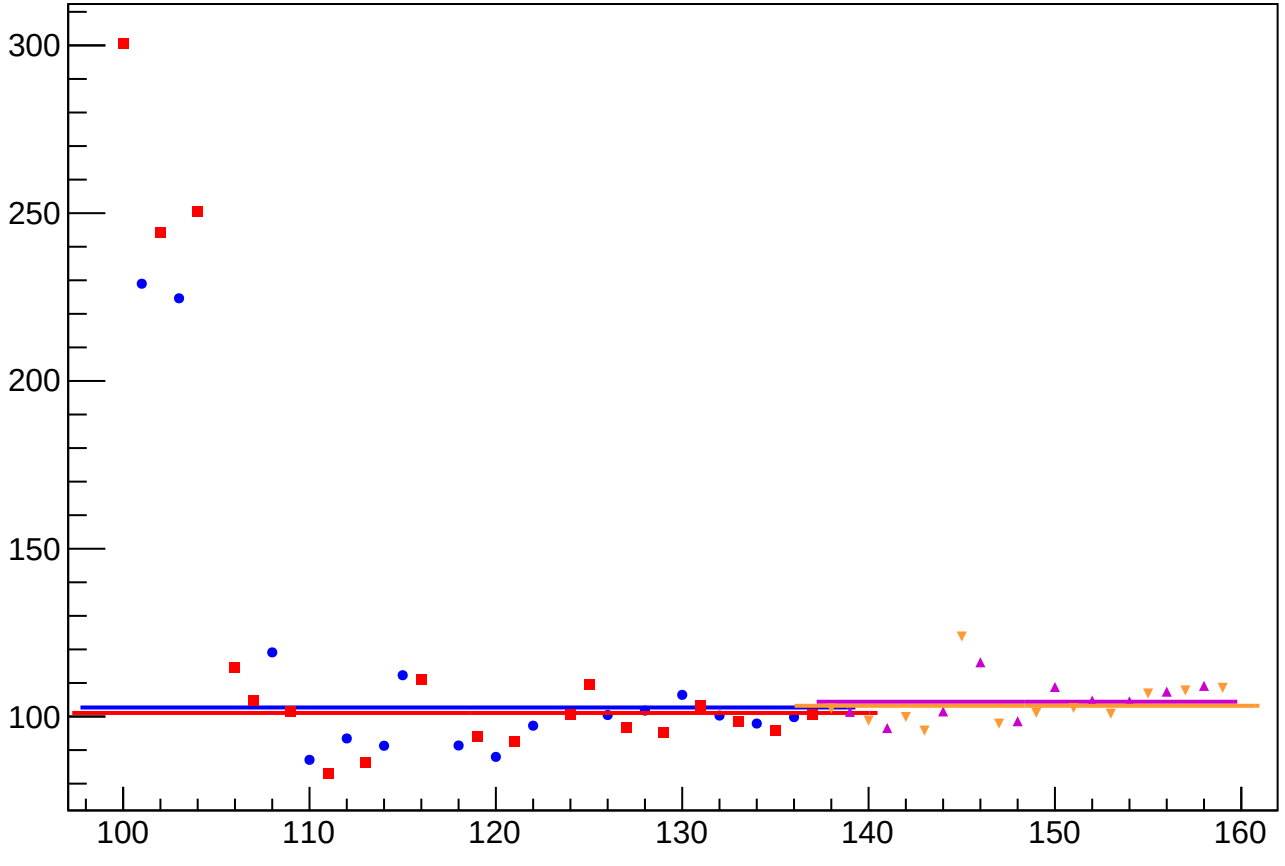
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4030.012+/-26.936 χ^2/NDF:35510.5/25

Out: -3356.185+/-25.704 χ^2/NDF:47237.5/30

All: -3677.331+/-18.596 χ^2/NDF: 83075.5/56

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 103.200+/-0.024 χ^2/NDF:72377.6/11

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 104.406+/-0.025 χ^2/NDF:45048.2/9

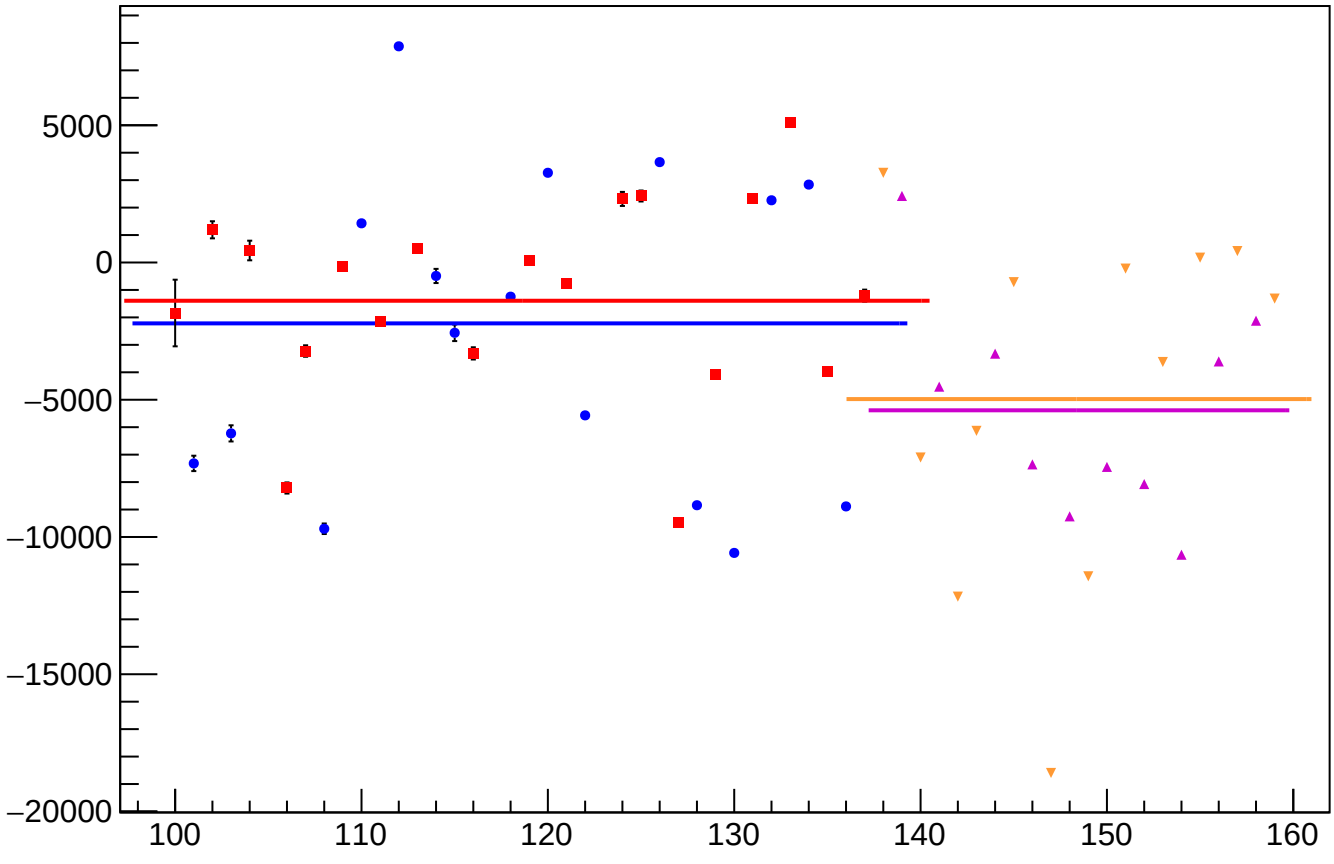
Left: 103.770+/-0.017 χ^2/NDF: 118616.7/21

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 103.657+/-0.019 χ^2/NDF:872838.9/25

Out: 102.288+/-0.018 χ^2/NDF:1006218.0/30

All: 102.941+/-0.013 χ^2/NDF: 1881761.9/56



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4975.922+/-33.123 χ^2/NDF:36979.4/11

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5384.997+/-35.002 χ^2/NDF:11280.8/9

Left: -5169.183+/-24.058 χ^2/NDF: 48332.3/21

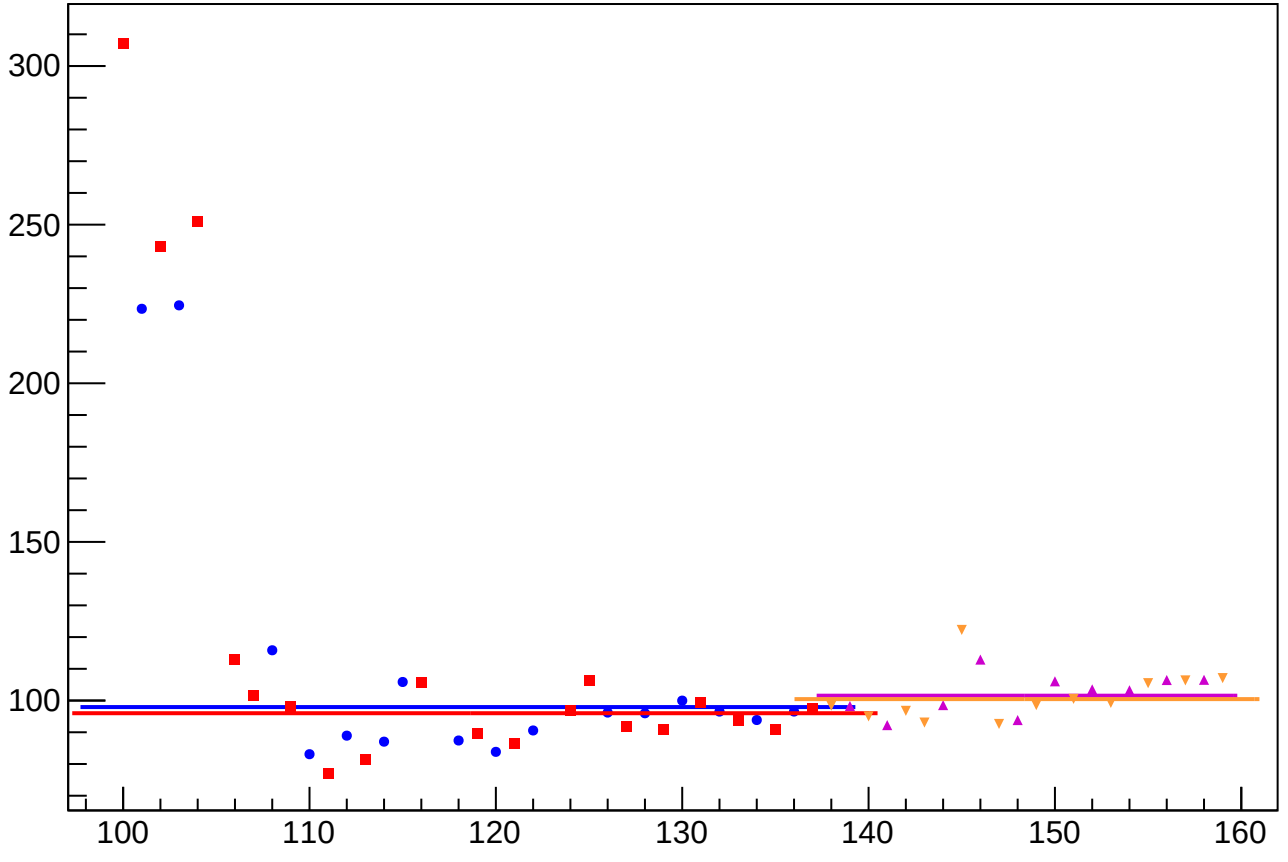
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3973.665+/-26.061 χ^2/NDF:37969.7/25

Out: -3409.667+/-24.848 χ^2/NDF:51245.7/30

All: -3678.242+/-17.984 χ^2/NDF: 89460.8/56

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 100.450+/-0.023 χ^2/NDF:93857.2/11

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 101.531+/-0.025 χ^2/NDF:60597.9/9

Left: 100.961+/-0.017 χ^2/NDF: 155460.1/21

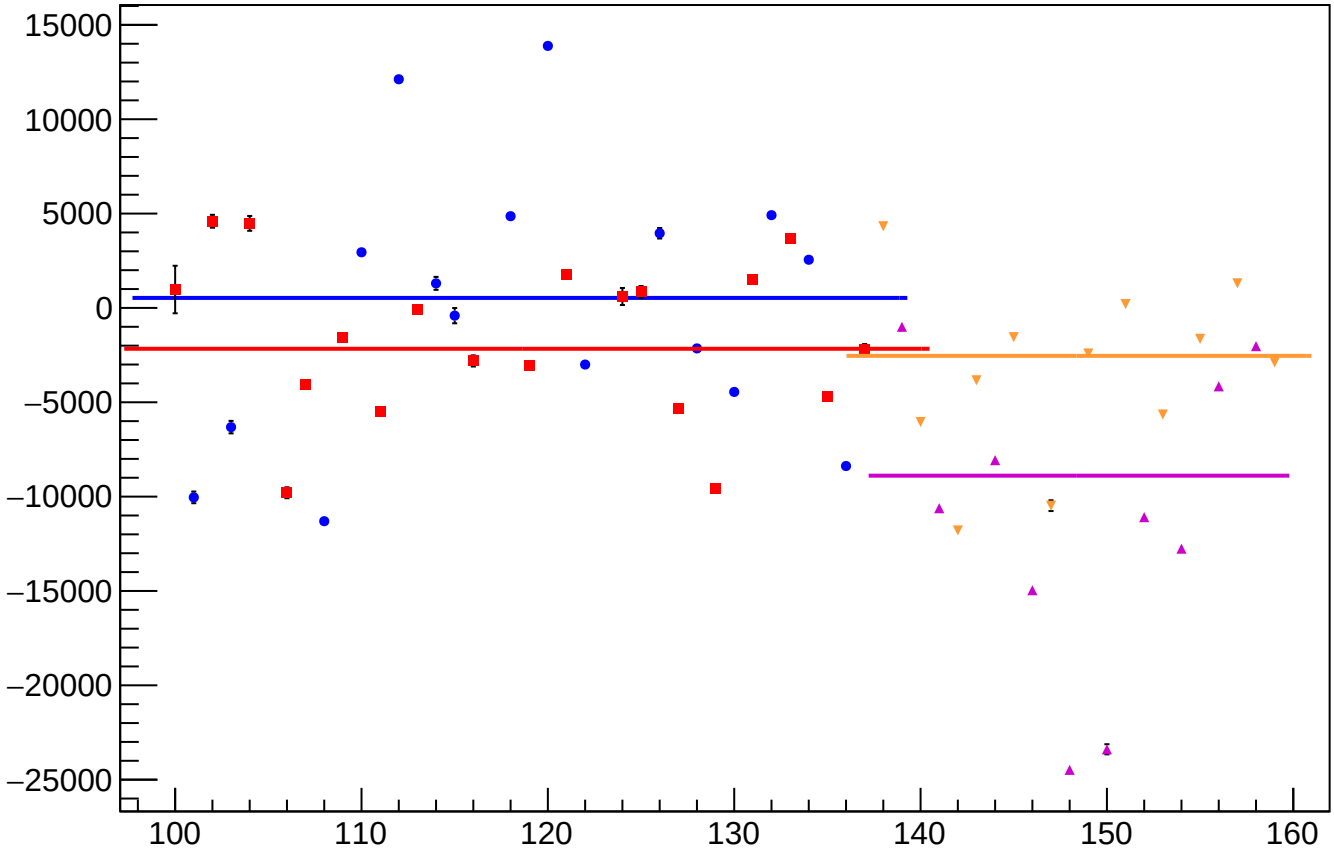
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 99.932+/-0.018 χ^2/NDF:938106.0/25

Out: 98.507+/-0.018 χ^2/NDF:1121895.4/30

All: 99.185+/-0.013 χ^2/NDF: 2063135.3/56

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2540.110+/-50.167 χ^2/NDF:6257.0/11

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8889.537+/-54.931 χ^2/NDF:13732.4/9

Left: -5427.591+/-37.043 χ^2/NDF: 27274.2/21

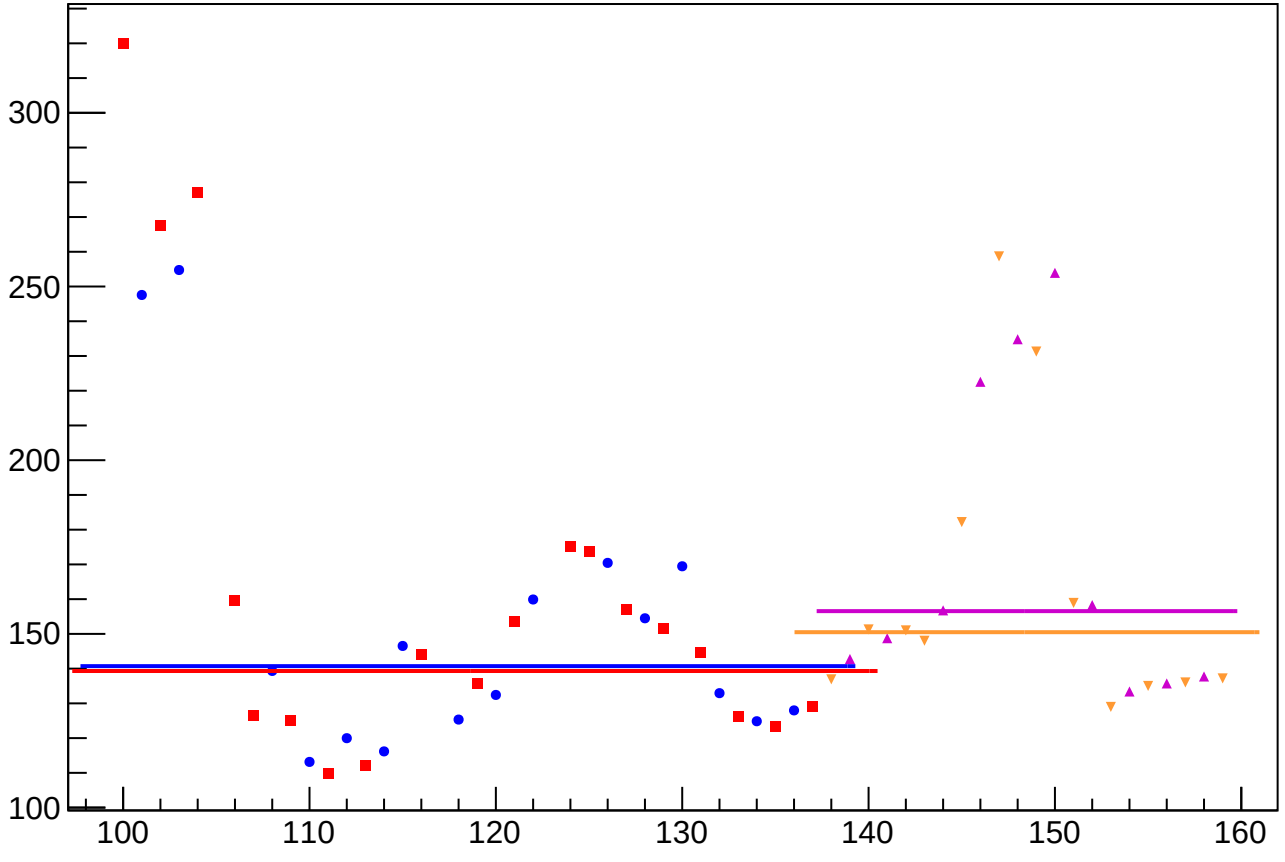
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4172.959+/-38.815 χ^2/NDF:47044.8/25

Out: -2364.455+/-36.581 χ^2/NDF:11250.3/30

All: -3215.180+/-26.622 χ^2/NDF: 59444.8/56

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 150.492+/-0.035 χ^2/NDF:659462.1/11

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 156.553+/-0.039 χ^2/NDF:740628.9/9

Left: 153.248+/-0.026 χ^2/NDF: 1413367.6/21

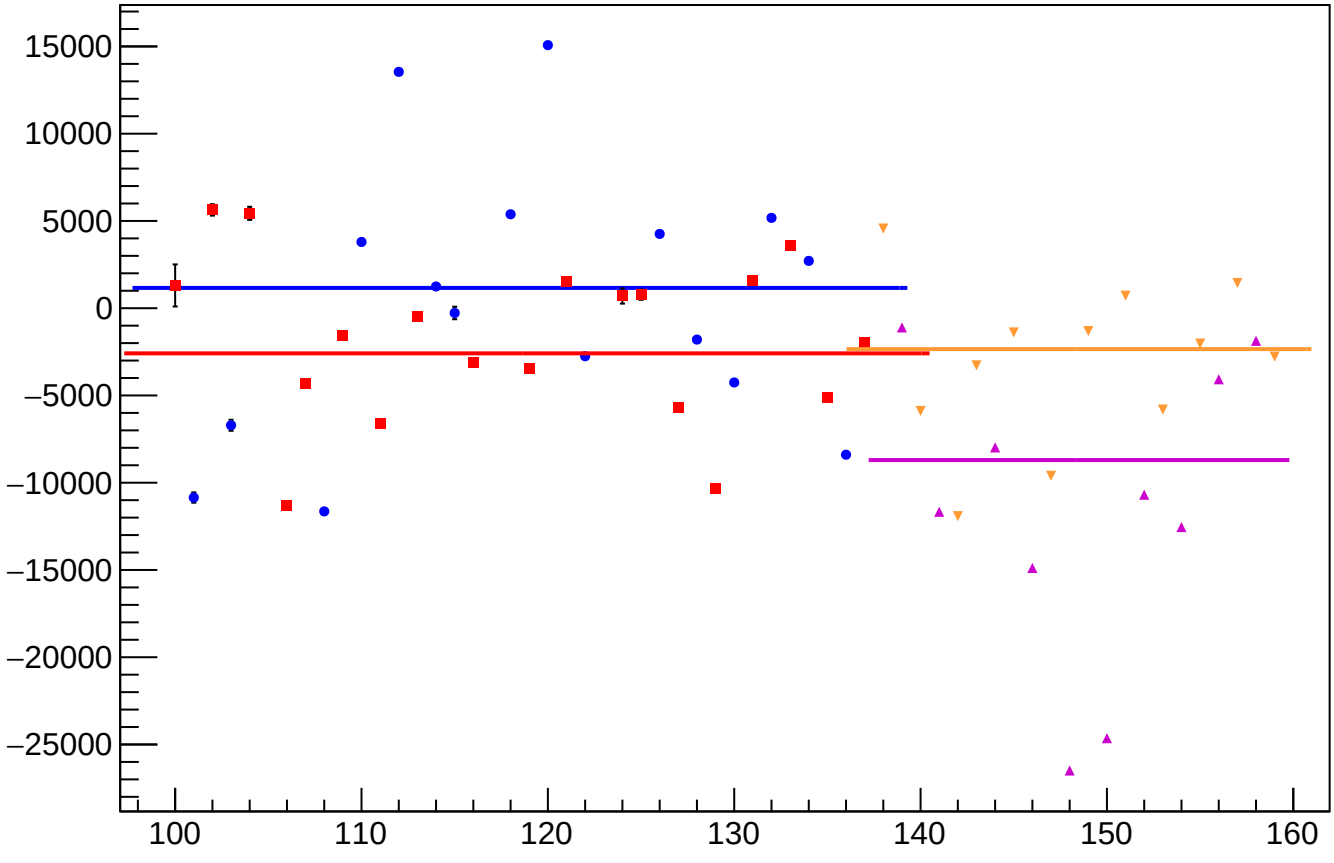
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.623+/-0.027 χ^2/NDF:1499488.9/25

Out: 145.259+/-0.026 χ^2/NDF:1508247.1/30

All: 146.841+/-0.019 χ^2/NDF: 3015692.3/56

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2342.962+/-44.068 χ^2/NDF:8243.7/11

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -8701.836+/-48.368 χ^2/NDF:18427.7/9

Left: -5227.184+/-32.575 χ^2/NDF: 36115.6/21

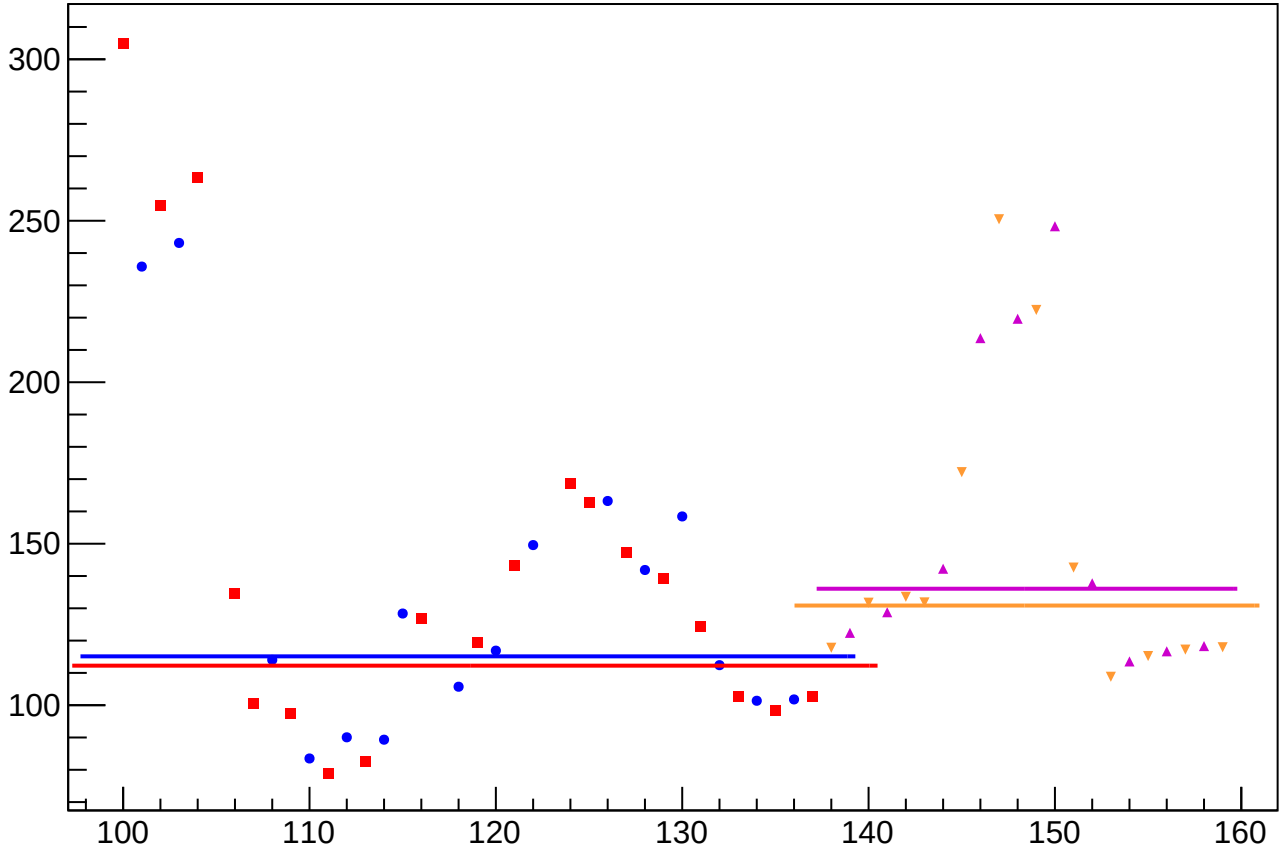
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3514.526+/-33.306 χ^2/NDF:71055.0/25

Out: -2464.338+/-31.227 χ^2/NDF:16358.6/30

All: -2955.633+/-22.780 χ^2/NDF: 87942.8/56

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 130.858+/-0.031 χ^2/NDF:914985.8/11

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 136.061+/-0.034 χ^2/NDF:1007973.5/9

Left: 133.218+/-0.023 χ^2/NDF: 1935607.9/21

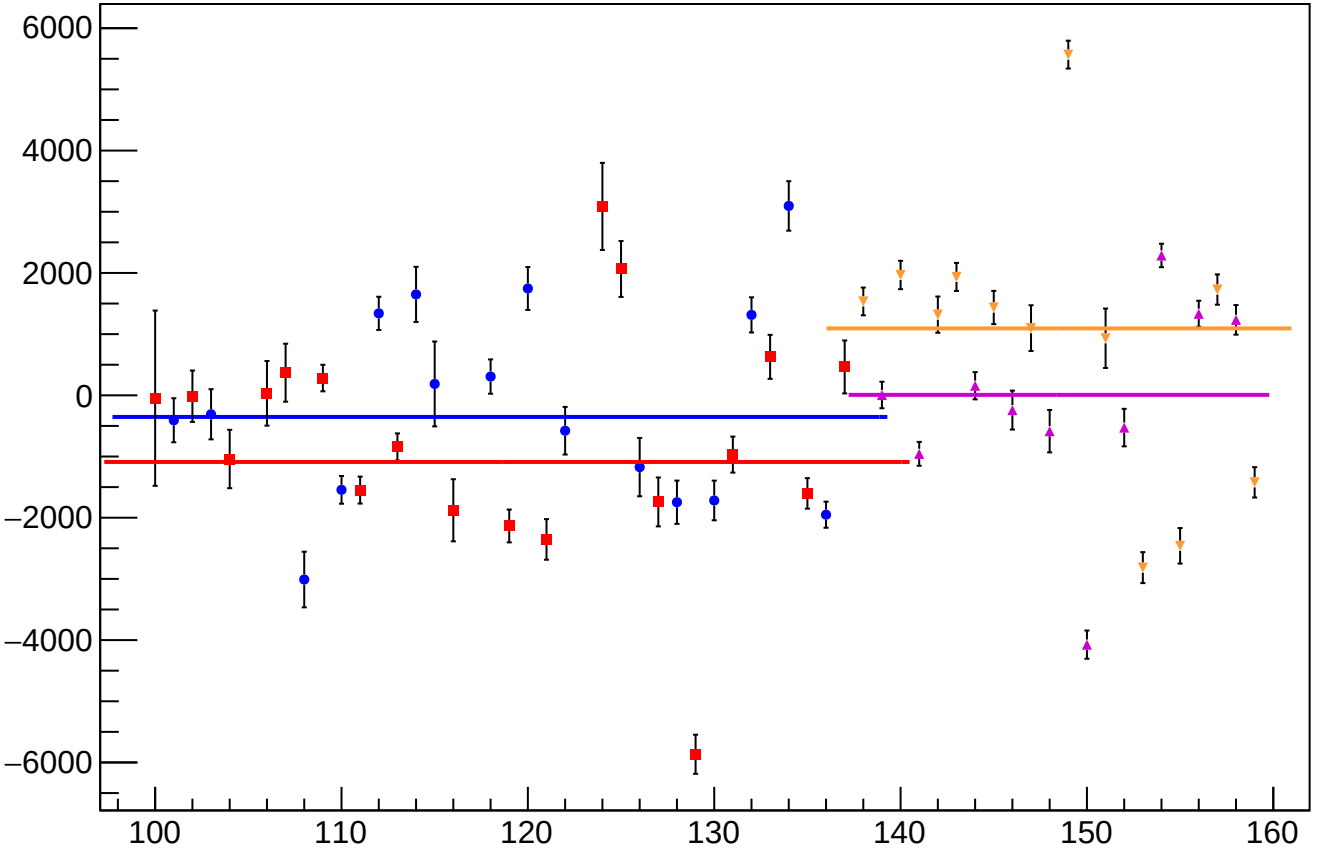
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 125.052+/-0.024 χ^2/NDF:2317998.0/25

Out: 121.589+/-0.022 χ^2/NDF:2420849.9/30

All: 123.209+/-0.016 χ^2/NDF: 4750355.6/56

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1093.466+/-76.094 χ^2/NDF:917.2/11

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 7.486+/-74.157 χ^2/NDF:550.4/9

Left: 536.475+/-53.108 χ^2/NDF: 1572.0/21

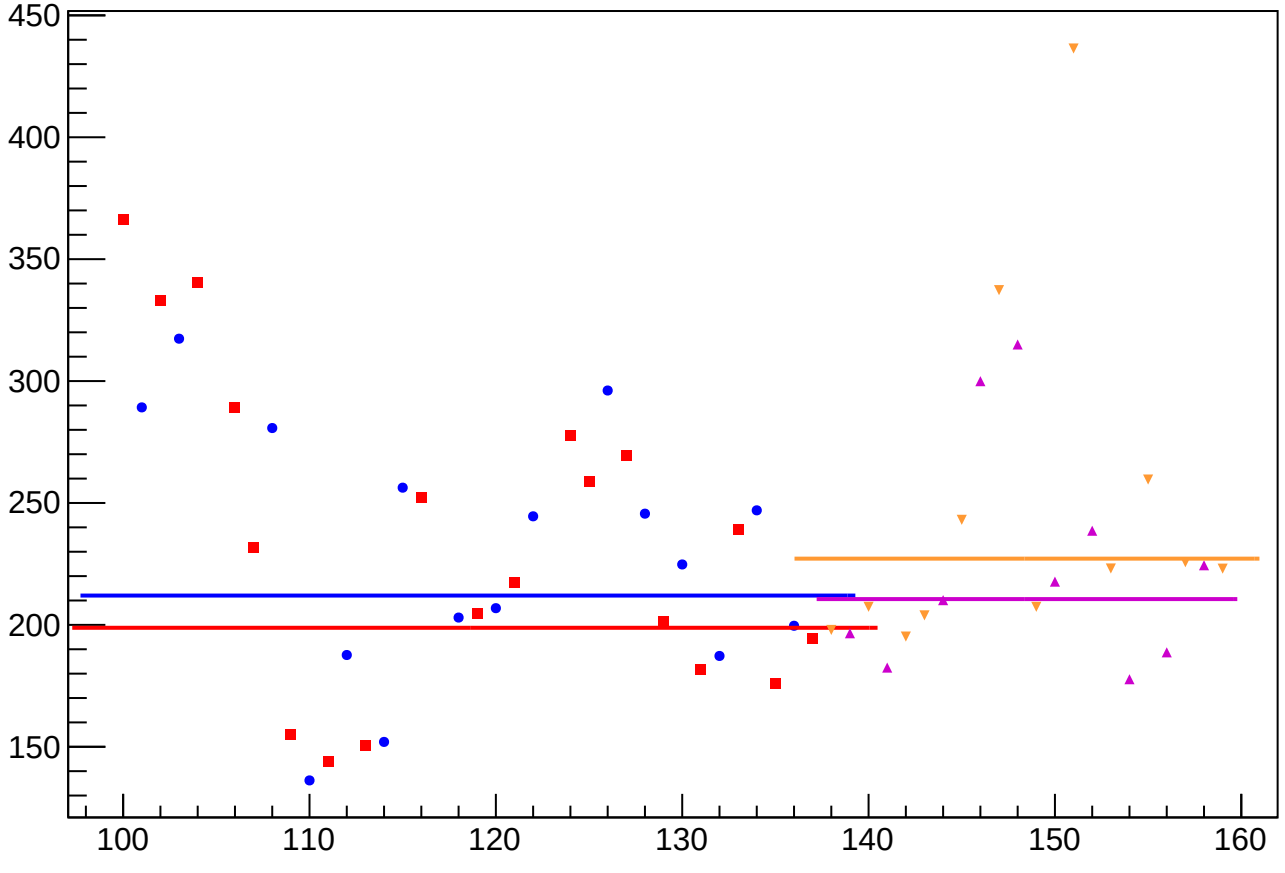
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -154.460+/-55.042 χ^2/NDF:922.8/25

Out: 7.360+/-53.930 χ^2/NDF:1773.7/30

All: -71.899+/-38.521 χ^2/NDF: 2700.9/56

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 227.168+/-0.054 χ^2/NDF:684998.2/11

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 210.581+/-0.052 χ^2/NDF:494391.6/9

Left: 218.661+/-0.038 χ^2/NDF: 1228134.3/21

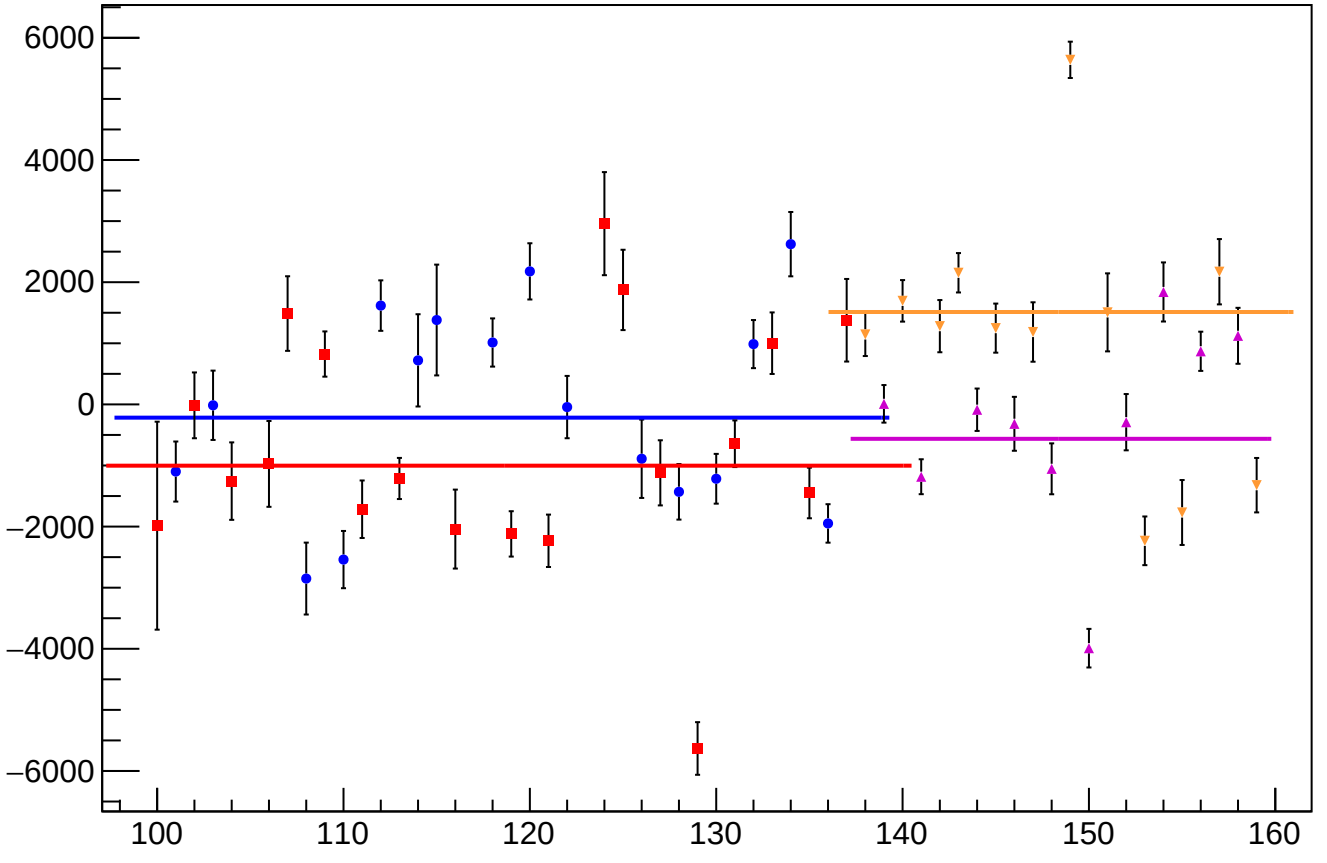
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 211.230+/-0.039 χ^2/NDF:1185091.5/25

Out: 213.054+/-0.038 χ^2/NDF:1798183.0/30

All: 212.161+/-0.027 χ^2/NDF: 2984394.4/56

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1512.315+/-115.991 χ^2/NDF:367.7/11

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -563.486+/-115.075 χ^2/NDF:188.0/9

Left: 466.188+/-81.692 χ^2/NDF: 717.2/21

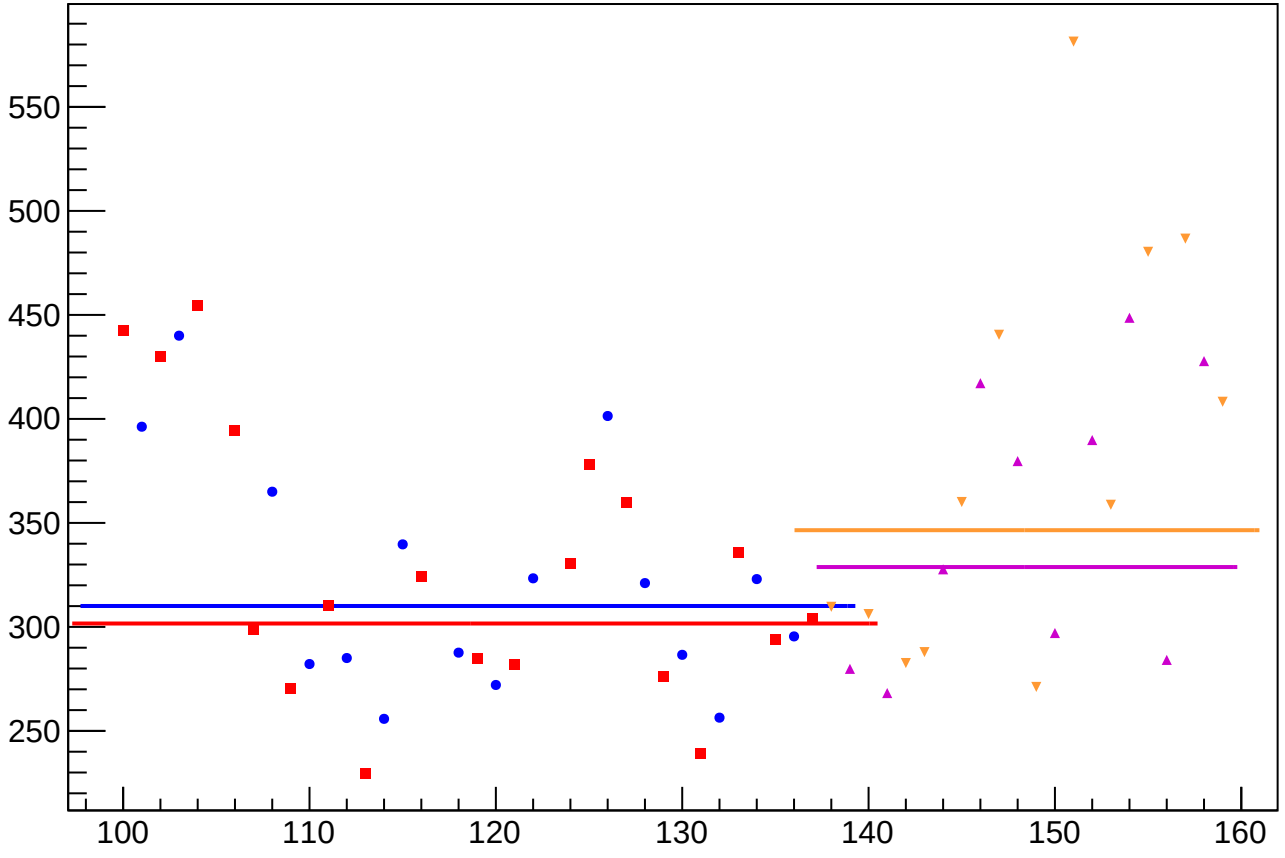
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -394.399+/-82.347 χ^2/NDF:384.6/25

Out: 223.016+/-80.980 χ^2/NDF:863.1/30

All: -80.528+/-57.739 χ^2/NDF: 1276.3/56

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 346.499+/-0.082 χ^2/NDF:941426.1/11

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 328.785+/-0.081 χ^2/NDF:561039.7/9

Left: 337.572+/-0.058 χ^2/NDF: 1525972.3/21

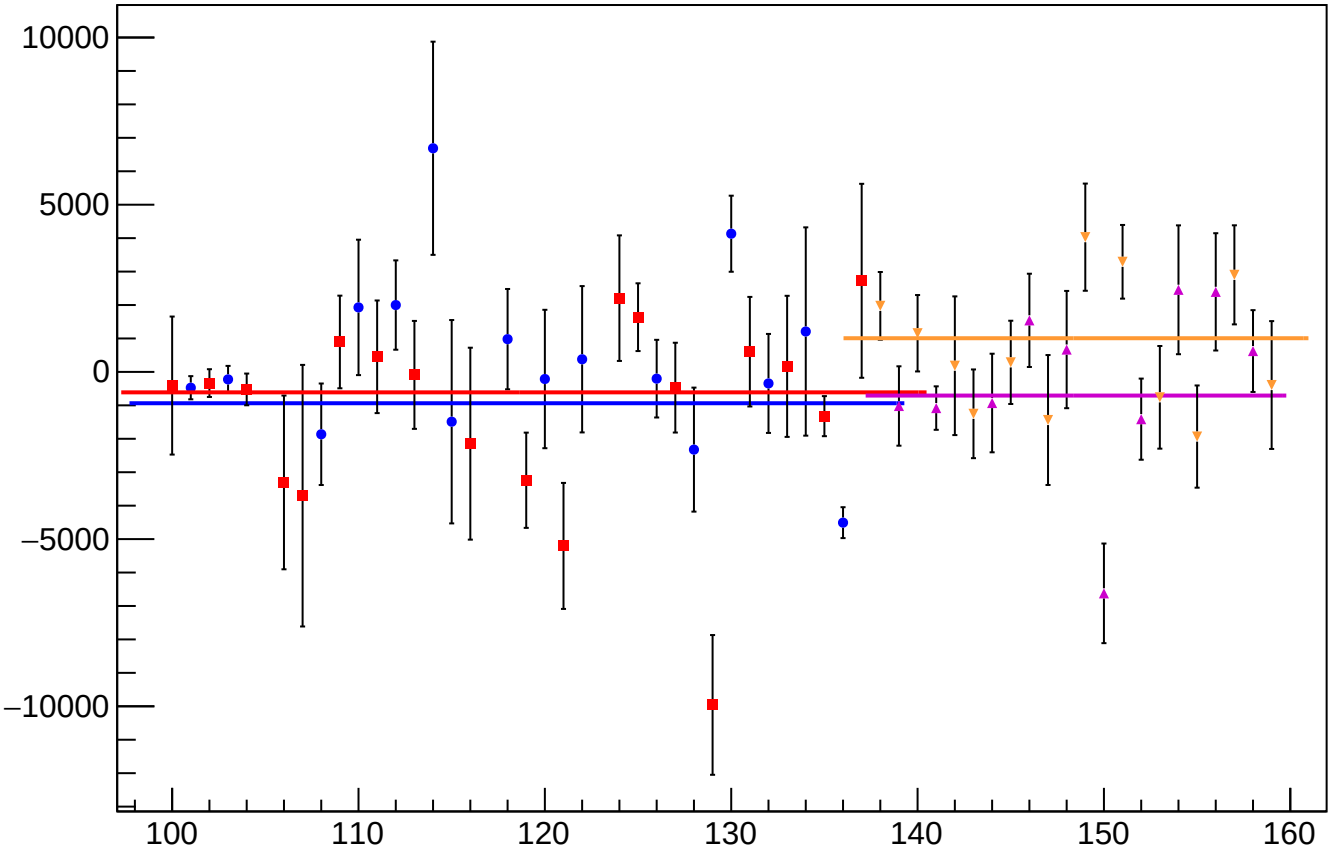
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 319.650+/-0.058 χ^2/NDF:910157.1/25

Out: 323.504+/-0.057 χ^2/NDF:1614665.9/30

All: 321.609+/-0.041 χ^2/NDF: 2527050.6/56

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1007.151+/-400.069 χ^2/NDF:21.0/11

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -707.593+/-384.364 χ^2/NDF:26.7/9

Left: 115.462+/-277.172 χ^2/NDF: 57.3/21

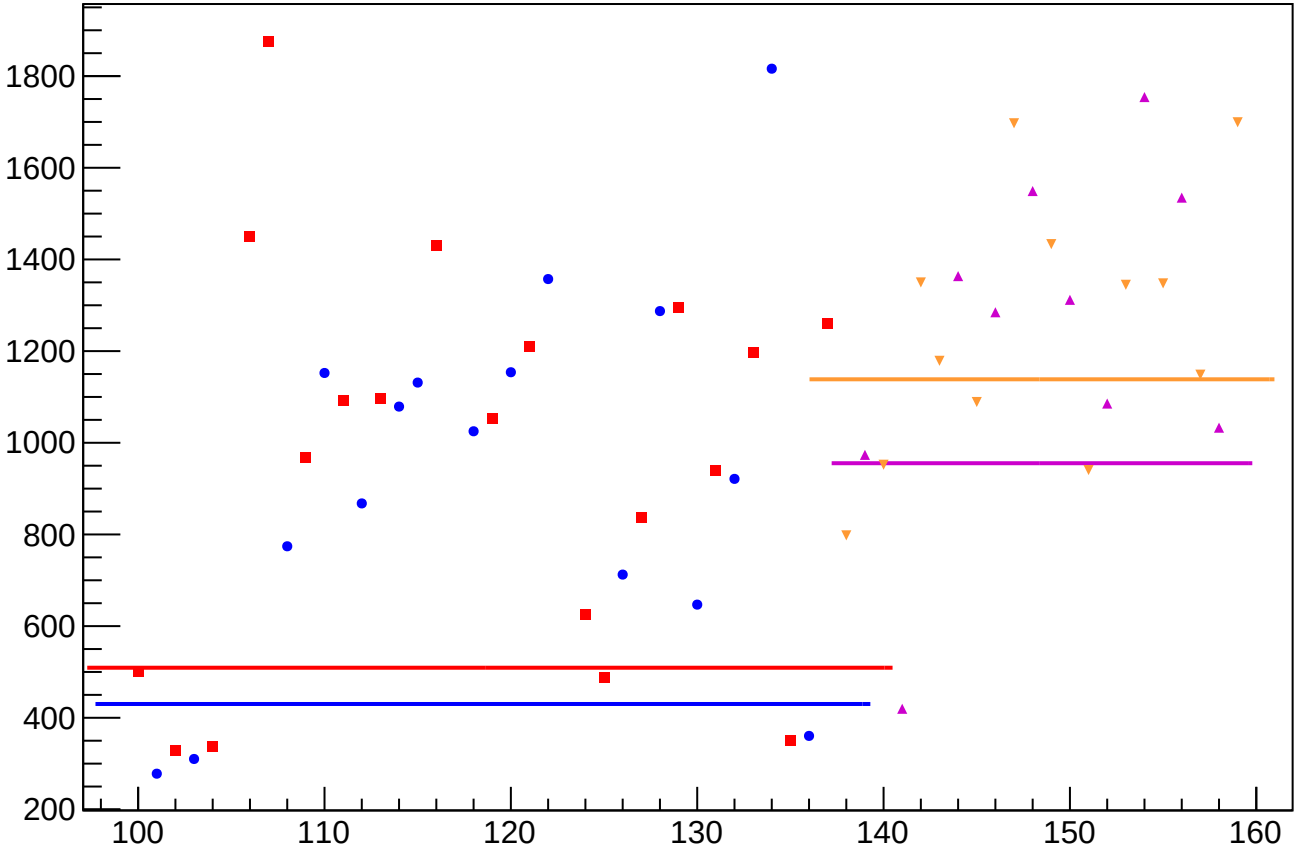
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -886.265+/-180.687 χ^2/NDF:128.2/25

Out: -201.275+/-201.435 χ^2/NDF:77.3/30

All: -580.855+/-134.504 χ^2/NDF: 211.9/56

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1138.491+/-0.283 χ^2/NDF:848671.0/11

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 955.417+/-0.272 χ^2/NDF:2560953.0/9

Left: 1043.290+/-0.196 χ^2/NDF: 3627407.7/21

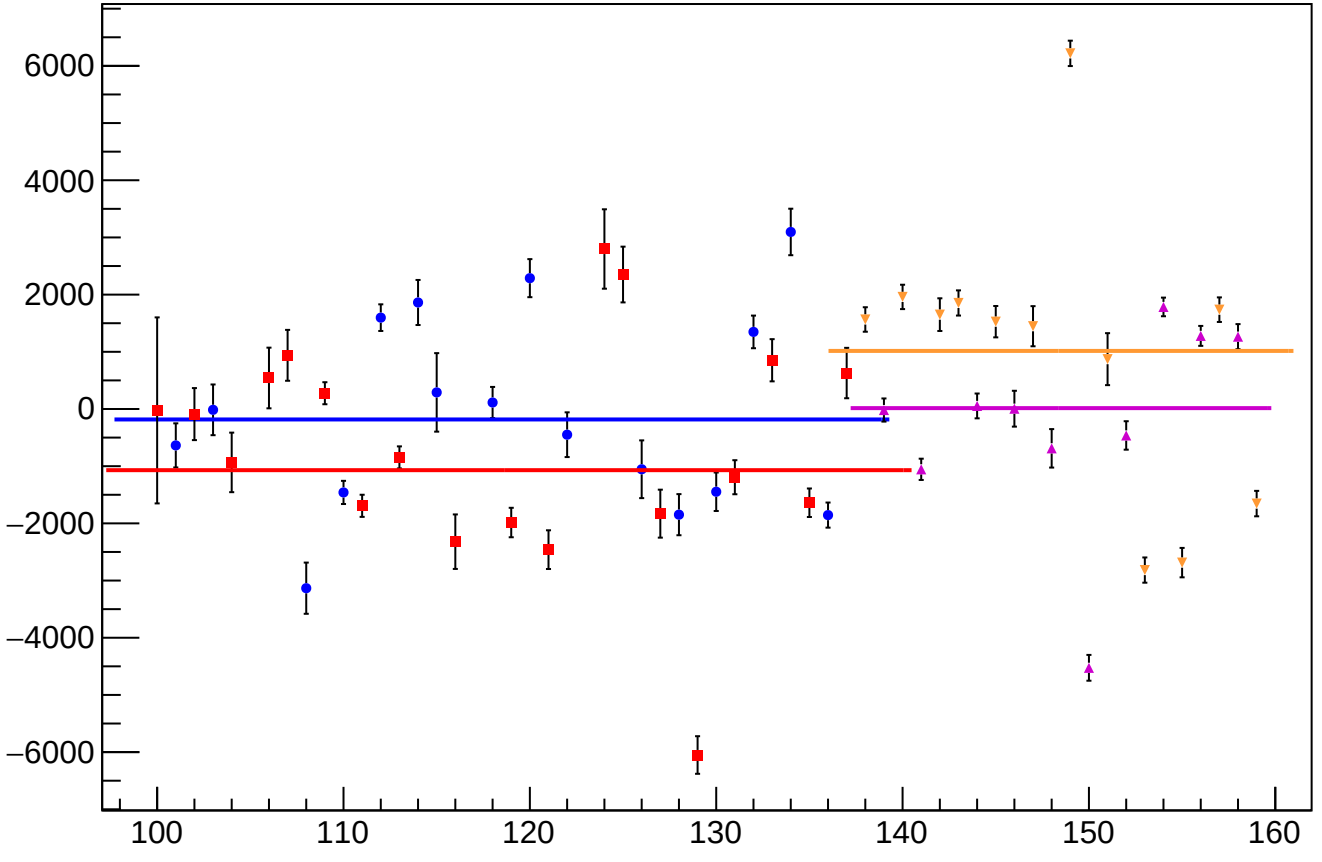
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 546.196+/-0.128 χ^2/NDF:8992968.1/25

Out: 668.761+/-0.142 χ^2/NDF:8215569.8/30

All: 600.843+/-0.095 χ^2/NDF: 17618842.7/56

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1015.652+/-70.561 χ^2/NDF:1264.9/11

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 15.208+/-67.303 χ^2/NDF:649.3/9

Left: 491.801+/-48.701 χ^2/NDF: 2019.4/21

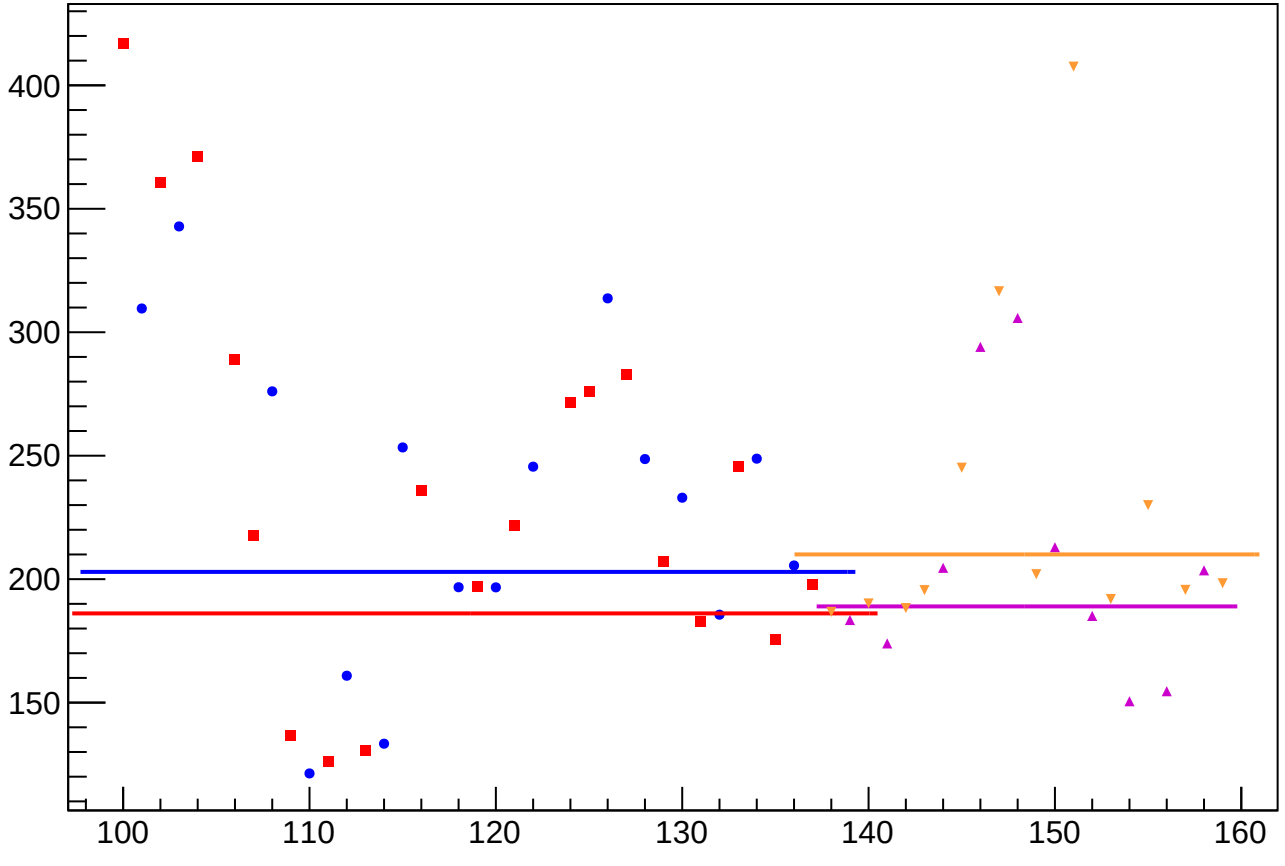
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -67.110+/-51.465 χ^2/NDF:1070.6/25

Out: 9.248+/-50.755 χ^2/NDF:2178.7/30

All: -28.400+/-36.137 χ^2/NDF: 3250.3/56

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 210.020+/-0.050 χ^2/NDF:699009.4/11

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 188.963+/-0.048 χ^2/NDF:711845.8/9

Left: 198.994+/-0.034 χ^2/NDF: 1504119.1/21

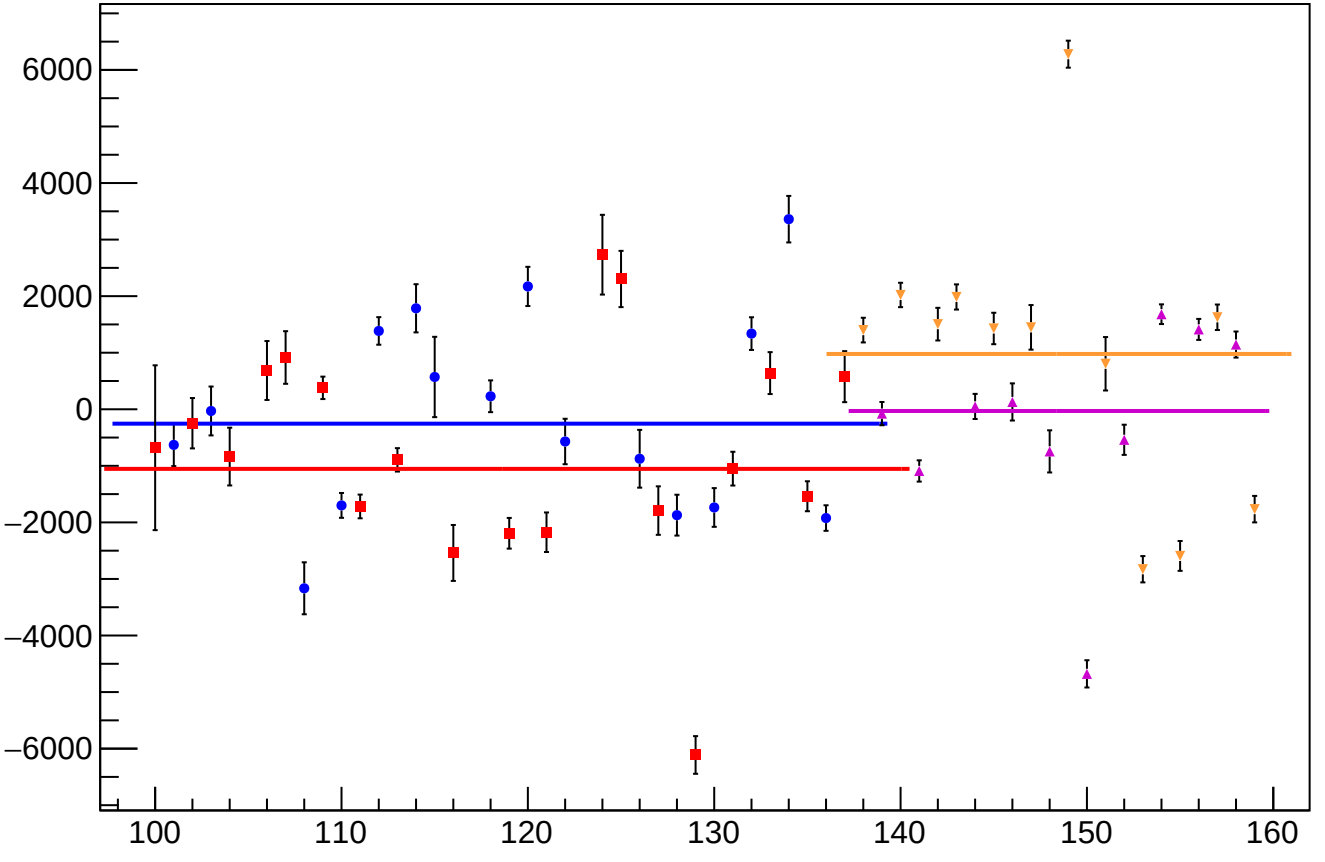
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 194.768+/-0.036 χ^2/NDF:1819530.2/25

Out: 198.490+/-0.036 χ^2/NDF:2291328.7/30

All: 196.655+/-0.026 χ^2/NDF: 4116163.2/56

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 978.134+/-73.148 χ^2/NDF:1144.4/11

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -30.218+/-70.585 χ^2/NDF:594.4/9

Left: 455.983+/-50.793 χ^2/NDF: 1837.1/21

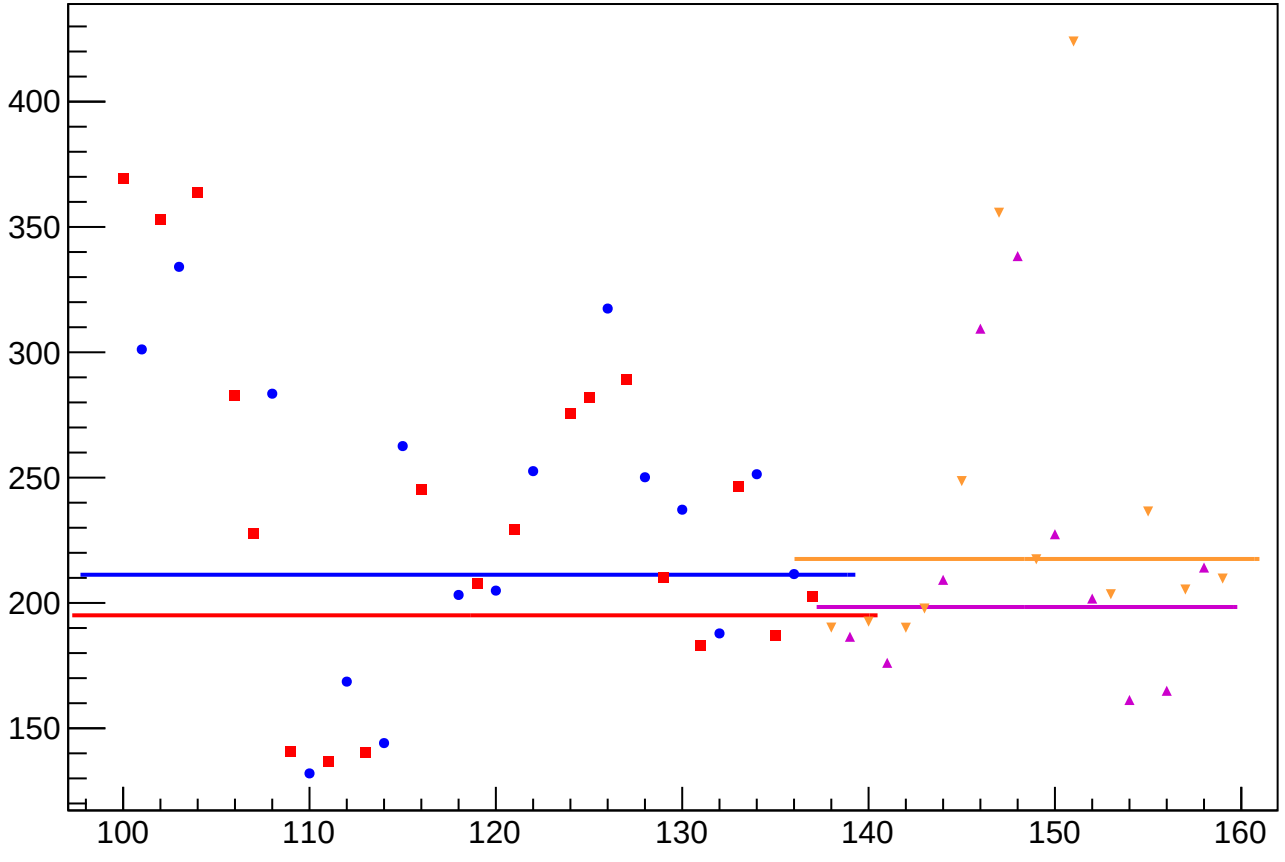
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -125.009+/-53.631 χ^2/NDF:1007.9/25

Out: 0.625+/-52.693 χ^2/NDF:1993.2/30

All: -61.083+/-37.587 χ^2/NDF: 3003.9/56

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 217.548+/-0.052 χ^2/NDF:770399.3/11

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 198.385+/-0.050 χ^2/NDF:744448.3/9

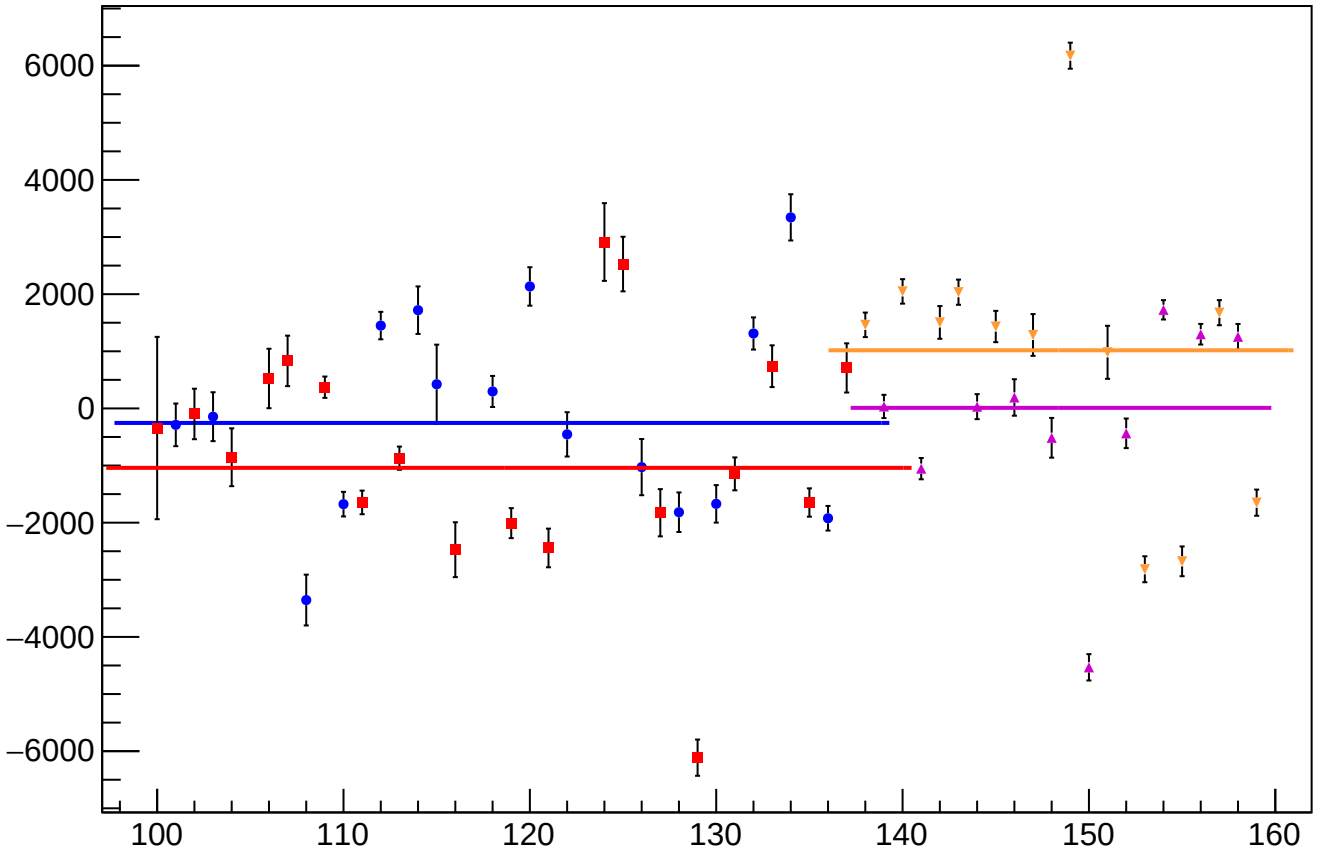
Left: 207.625+/-0.036 χ^2/NDF: 1585928.6/21

Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.824+/-0.038 χ^2/NDF:1656912.8/25

Out: 206.730+/-0.037 χ^2/NDF:2146208.9/30

All: 205.303+/-0.027 χ^2/NDF: 3806108.6/56



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1017.349+/-71.651 χ^2/NDF:1196.6/11

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 9.866+/-68.832 χ^2/NDF:610.8/9

Left: 493.394+/-49.638 χ^2/NDF: 1910.2/21

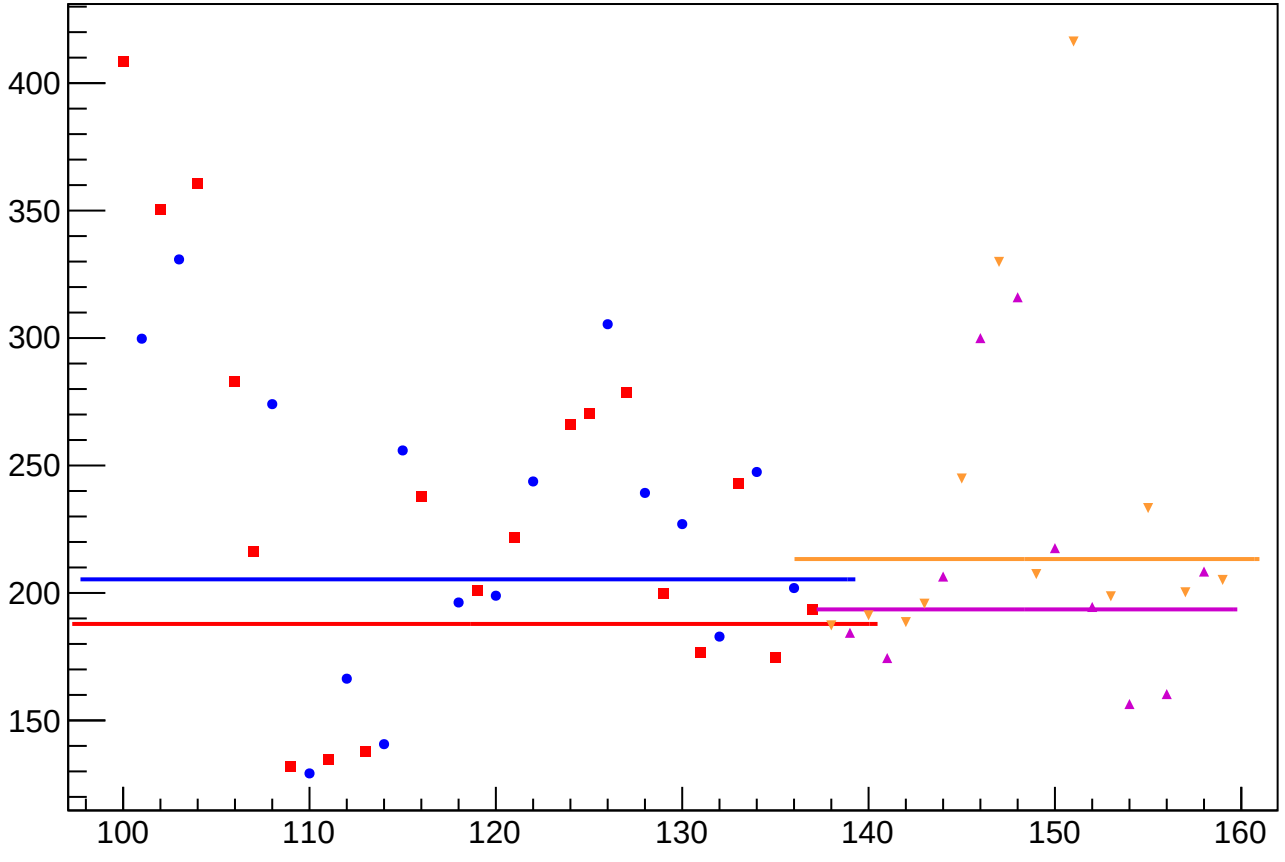
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -102.038+/-52.239 χ^2/NDF:1049.1/25

Out: 12.777+/-51.260 χ^2/NDF:2132.6/30

All: -43.545+/-36.587 χ^2/NDF: 3184.2/56

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 213.305+/-0.051 χ^2/NDF:721943.4/11

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 193.552+/-0.049 χ^2/NDF:696671.7/9

Left: 203.032+/-0.035 χ^2/NDF: 1497665.2/21

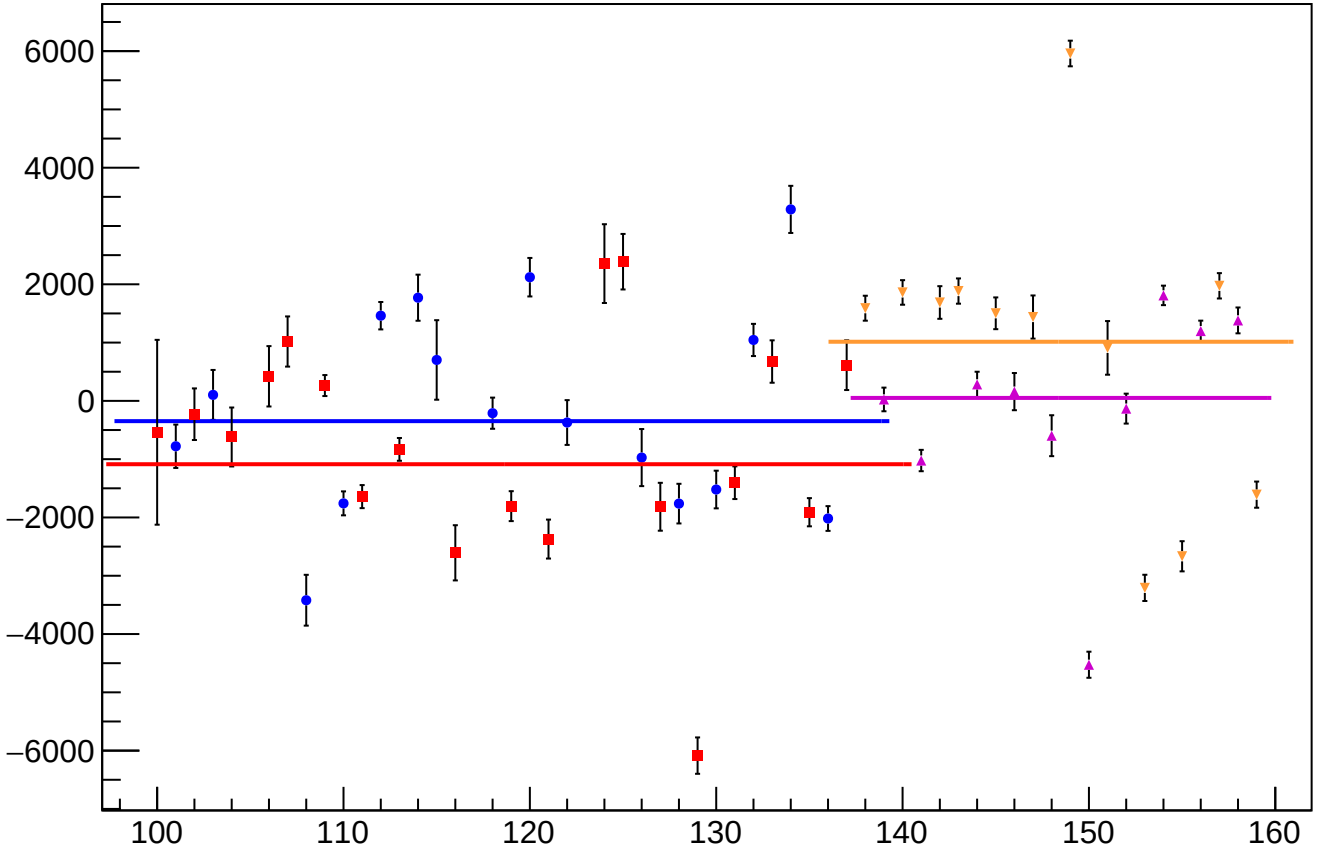
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.551+/-0.037 χ^2/NDF:1598950.2/25

Out: 200.877+/-0.036 χ^2/NDF:2182236.9/30

All: 199.736+/-0.026 χ^2/NDF: 3783207.5/56

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1014.435+/-70.668 χ^2/NDF:1265.7/11

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 50.712+/-68.033 χ^2/NDF:645.9/9

Left: 514.272+/-49.012 χ^2/NDF: 2008.2/21

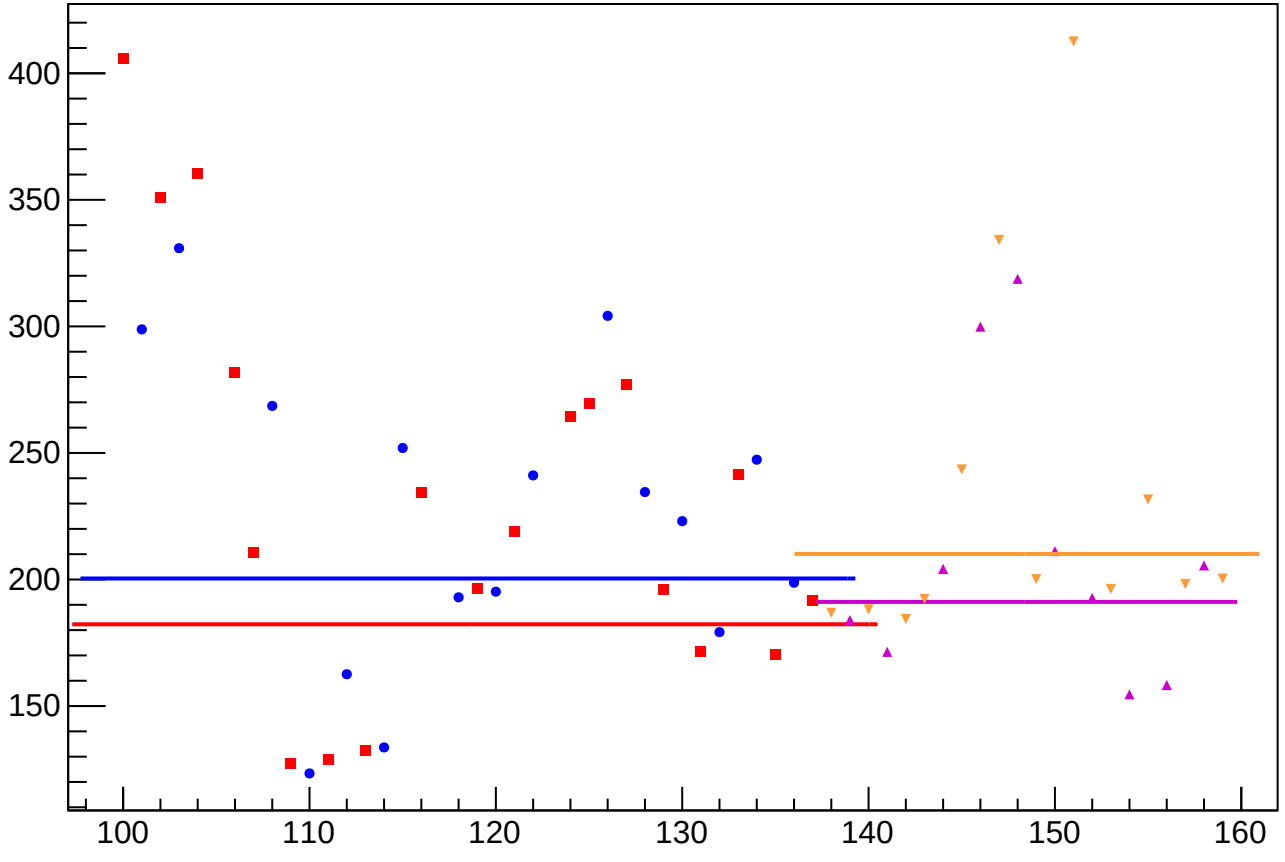
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -119.999+/-51.431 χ^2/NDF:1106.4/25

Out: -23.234+/-50.275 χ^2/NDF:2229.5/30

All: -70.517+/-35.951 χ^2/NDF: 3337.7/56

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 210.102+/-0.050 χ^2/NDF:752302.0/11

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 191.150+/-0.048 χ^2/NDF:717760.3/9

Left: 200.266+/-0.035 χ^2/NDF: 1544715.5/21

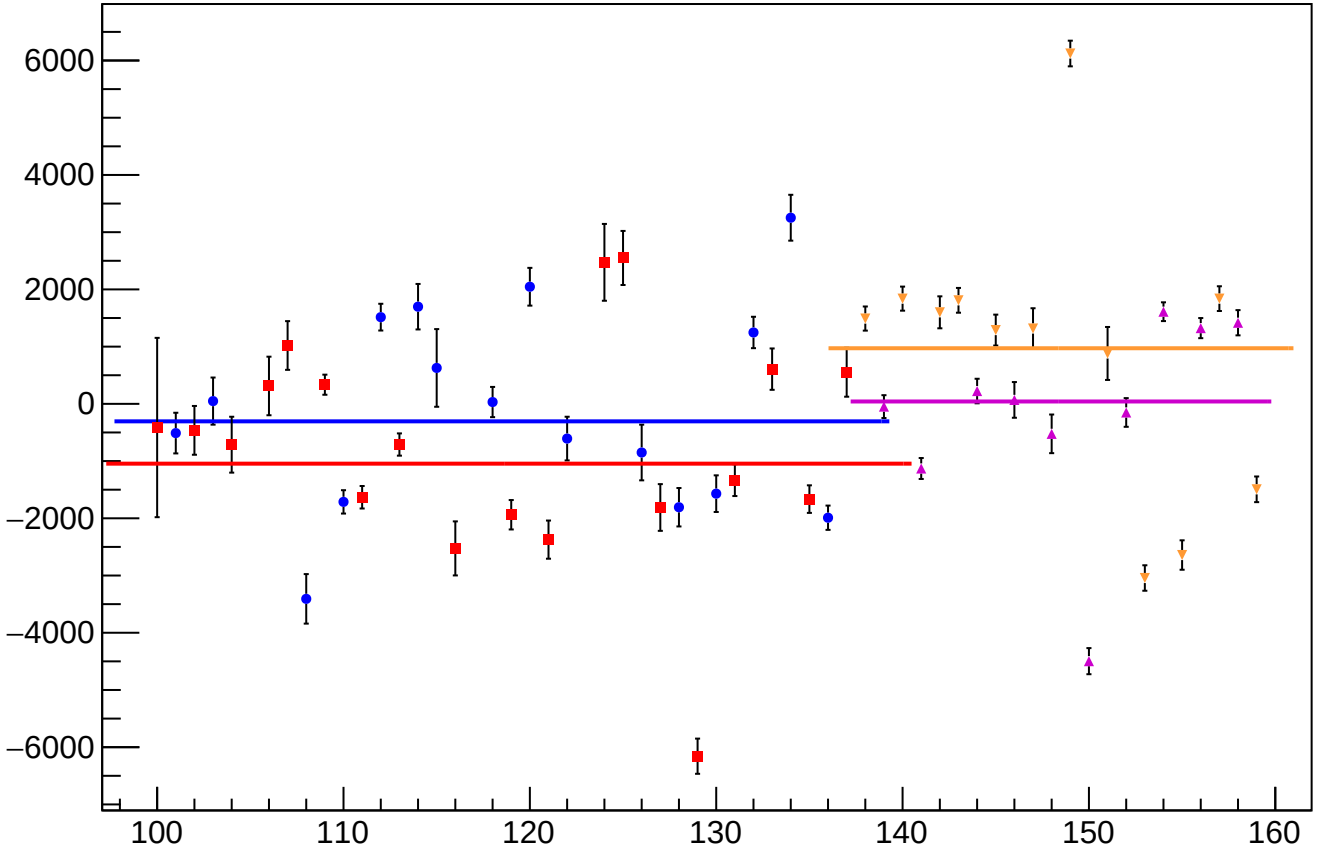
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 195.113+/-0.036 χ^2/NDF:1692600.2/25

Out: 196.372+/-0.036 χ^2/NDF:2352360.5/30

All: 195.757+/-0.025 χ^2/NDF: 4045573.4/56

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 971.707+/-70.344 χ^2/NDF:1232.8/11

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 41.532+/-67.279 χ^2/NDF:624.4/9

Left: 485.914+/-48.621 χ^2/NDF: 1948.5/21

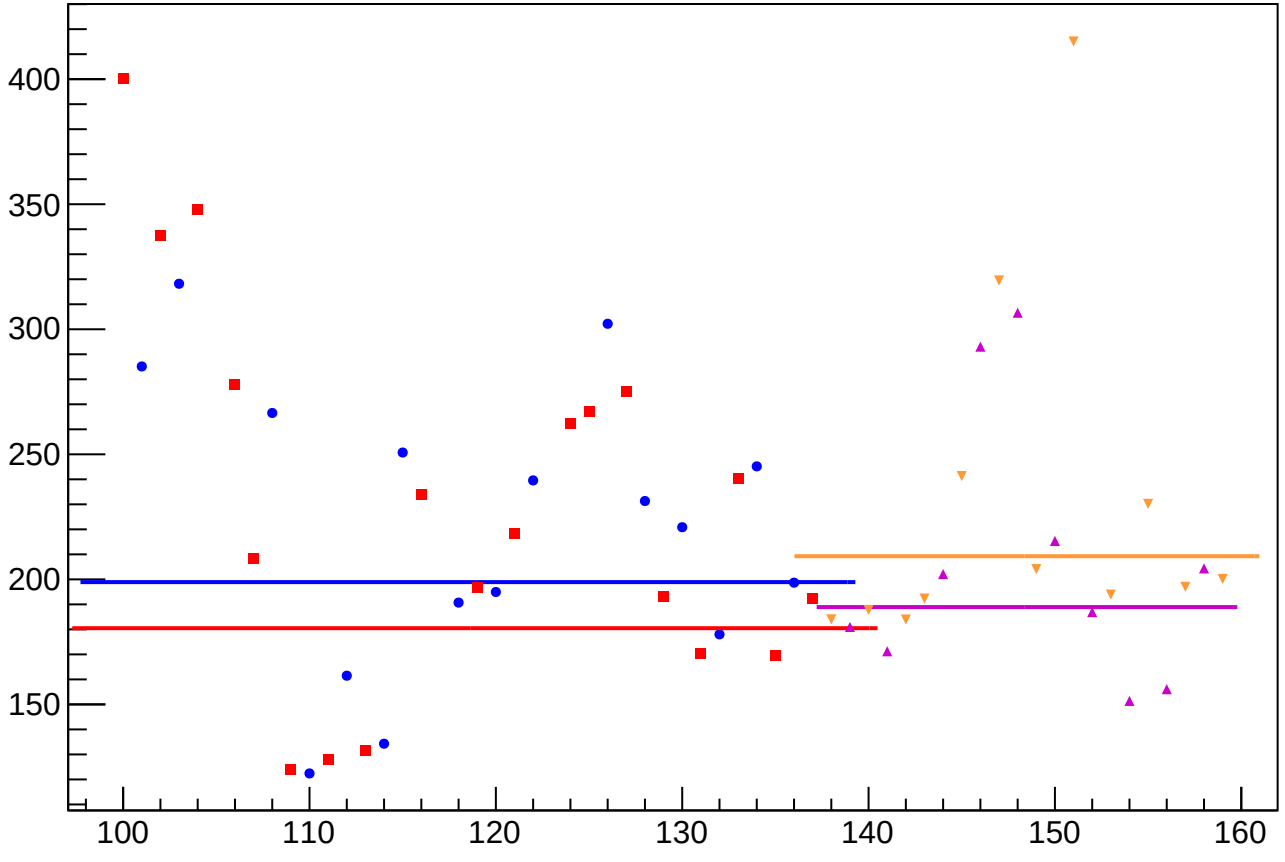
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -106.865+/-50.909 χ^2/NDF:1087.6/25

Out: -29.873+/-49.910 χ^2/NDF:2193.2/30

All: -67.606+/-35.640 χ^2/NDF: 3282.0/56

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 209.261+/-0.050 χ^2/NDF:729076.6/11

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 188.922+/-0.048 χ^2/NDF:706443.6/9

Left: 198.639+/-0.034 χ^2/NDF: 1522835.7/21

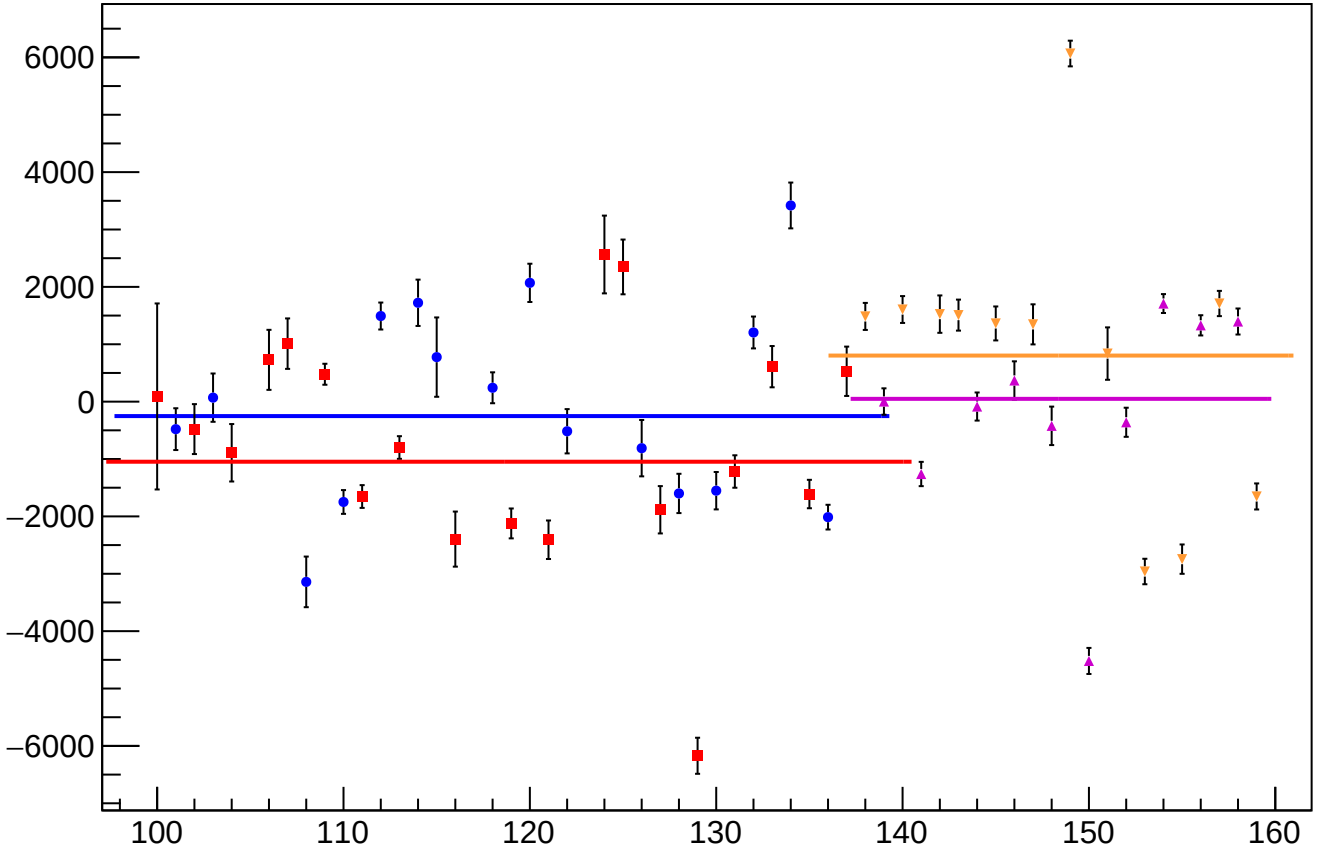
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.188+/-0.036 χ^2/NDF:1638020.1/25

Out: 194.964+/-0.035 χ^2/NDF:2329855.2/30

All: 194.094+/-0.025 χ^2/NDF: 3969116.8/56

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 803.055+/-74.665 χ^2/NDF:1204.4/11

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 48.673+/-70.851 χ^2/NDF:638.6/9

Left: 406.106+/-51.395 χ^2/NDF: 1896.7/21

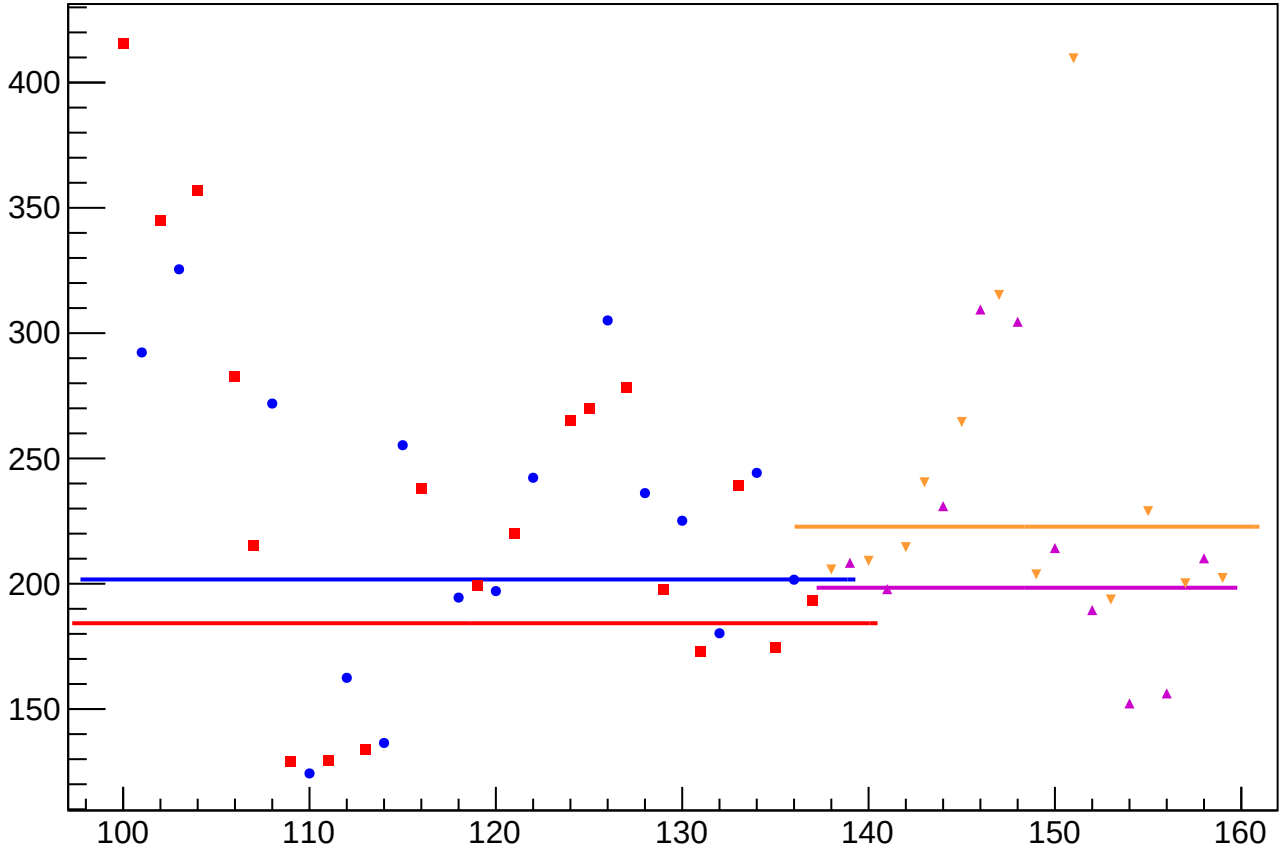
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -85.319+/-52.738 χ^2/NDF:1087.8/25

Out: -153.213+/-51.899 χ^2/NDF:2068.5/30

All: -119.811+/-36.991 χ^2/NDF: 3157.2/56

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 222.770+/-0.053 χ^2/NDF:629203.0/11

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 198.408+/-0.050 χ^2/NDF:749596.3/9

Left: 209.951+/-0.036 χ^2/NDF: 1490835.1/21

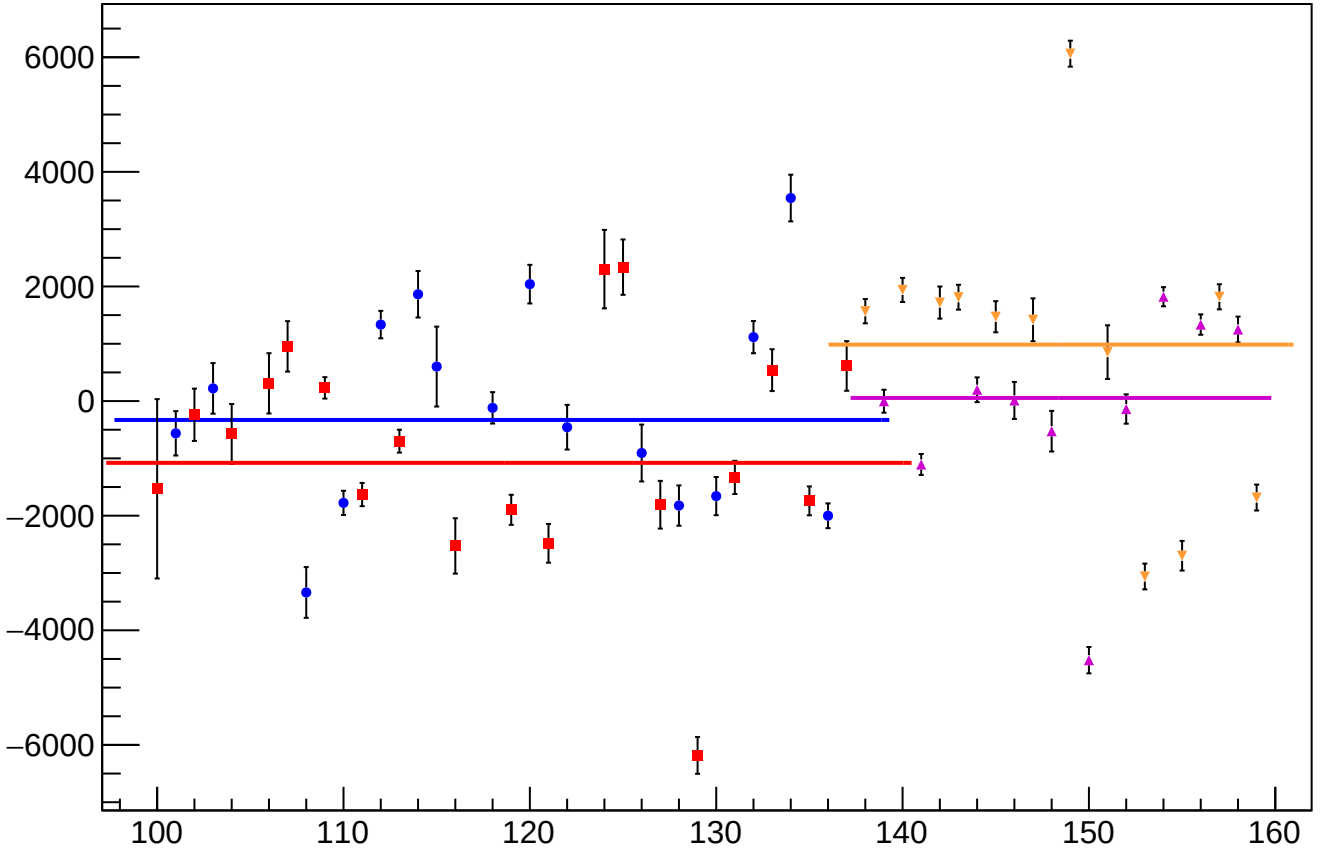
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 199.882+/-0.037 χ^2/NDF:1675747.9/25

Out: 202.858+/-0.037 χ^2/NDF:2308174.1/30

All: 201.394+/-0.026 χ^2/NDF: 3987156.5/56

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 985.102+/-70.964 χ^2/NDF:1235.1/11

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 54.864+/-68.136 χ^2/NDF:632.1/9

Left: 501.074+/-49.149 χ^2/NDF: 1956.7/21

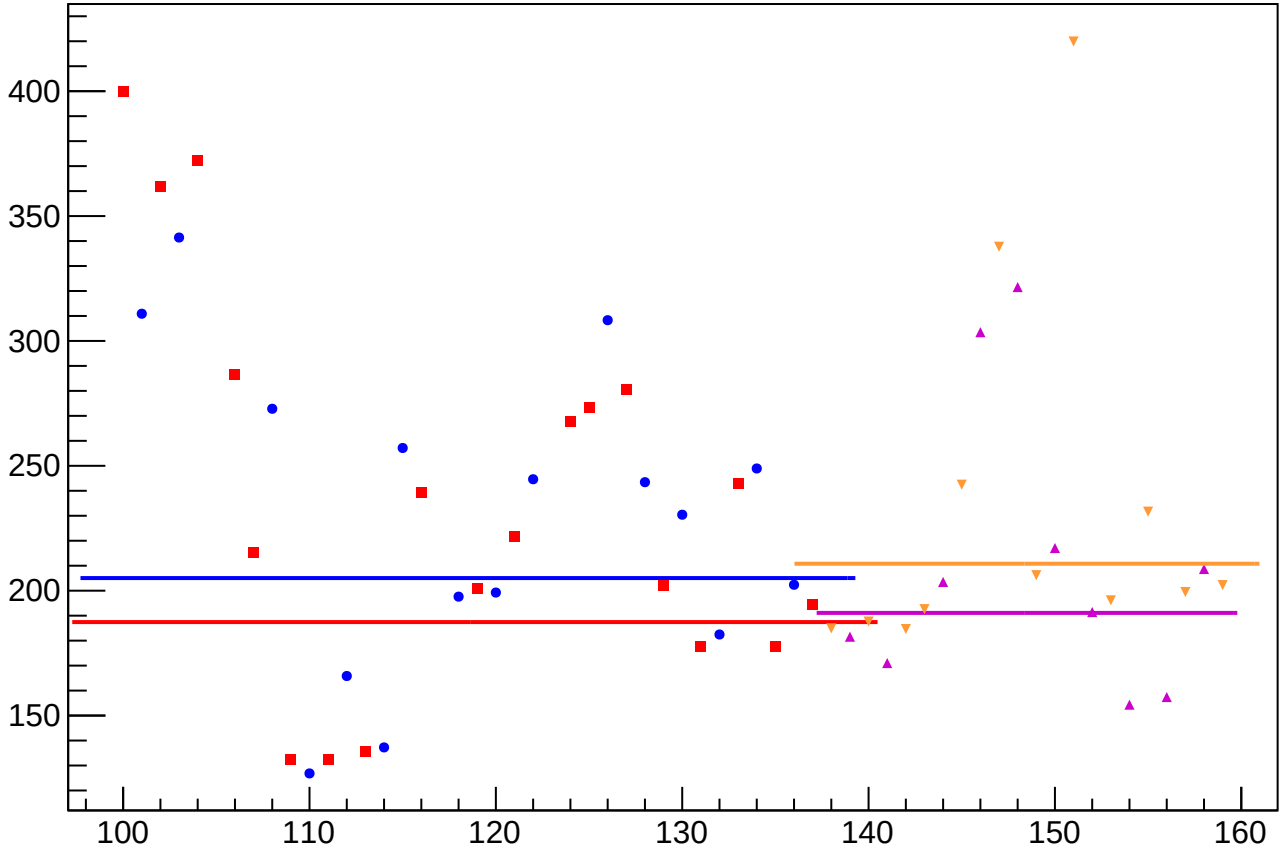
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -105.821+/-51.972 χ^2/NDF:1081.8/25

Out: -11.532+/-51.020 χ^2/NDF:2145.4/30

All: -57.806+/-36.408 χ^2/NDF: 3228.9/56

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 210.798+/-0.050 χ^2/NDF:772295.3/11

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 191.110+/-0.048 χ^2/NDF:755559.2/9

Left: 200.554+/-0.035 χ^2/NDF: 1607956.9/21

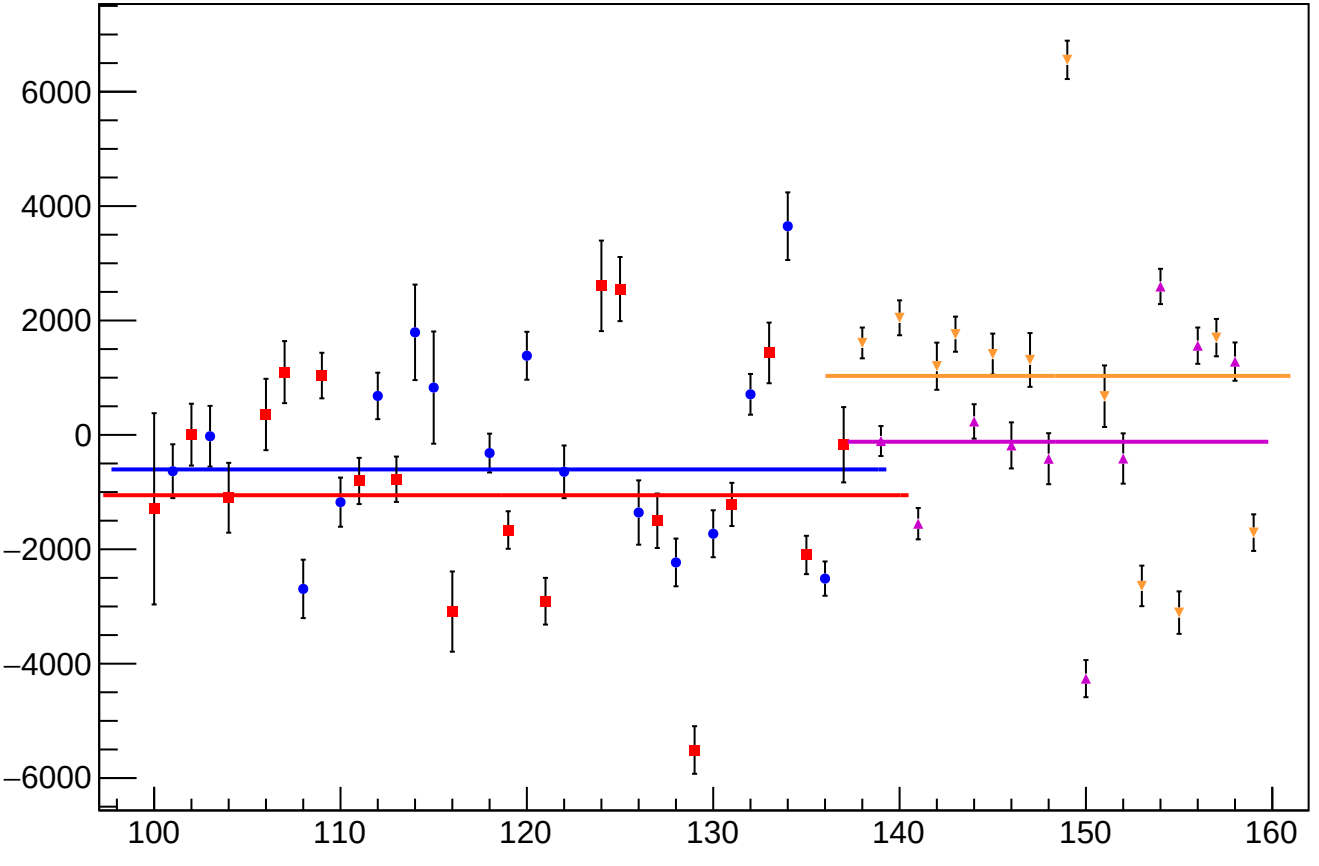
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 196.941+/-0.037 χ^2/NDF:1753635.7/25

Out: 199.510+/-0.036 χ^2/NDF:2287857.0/30

All: 198.249+/-0.026 χ^2/NDF: 4043980.9/56

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1031.009+/-99.989 χ^2/NDF:603.8/11

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -119.987+/-103.069 χ^2/NDF:315.5/9

Left: 472.967+/-71.767 χ^2/NDF: 983.5/21

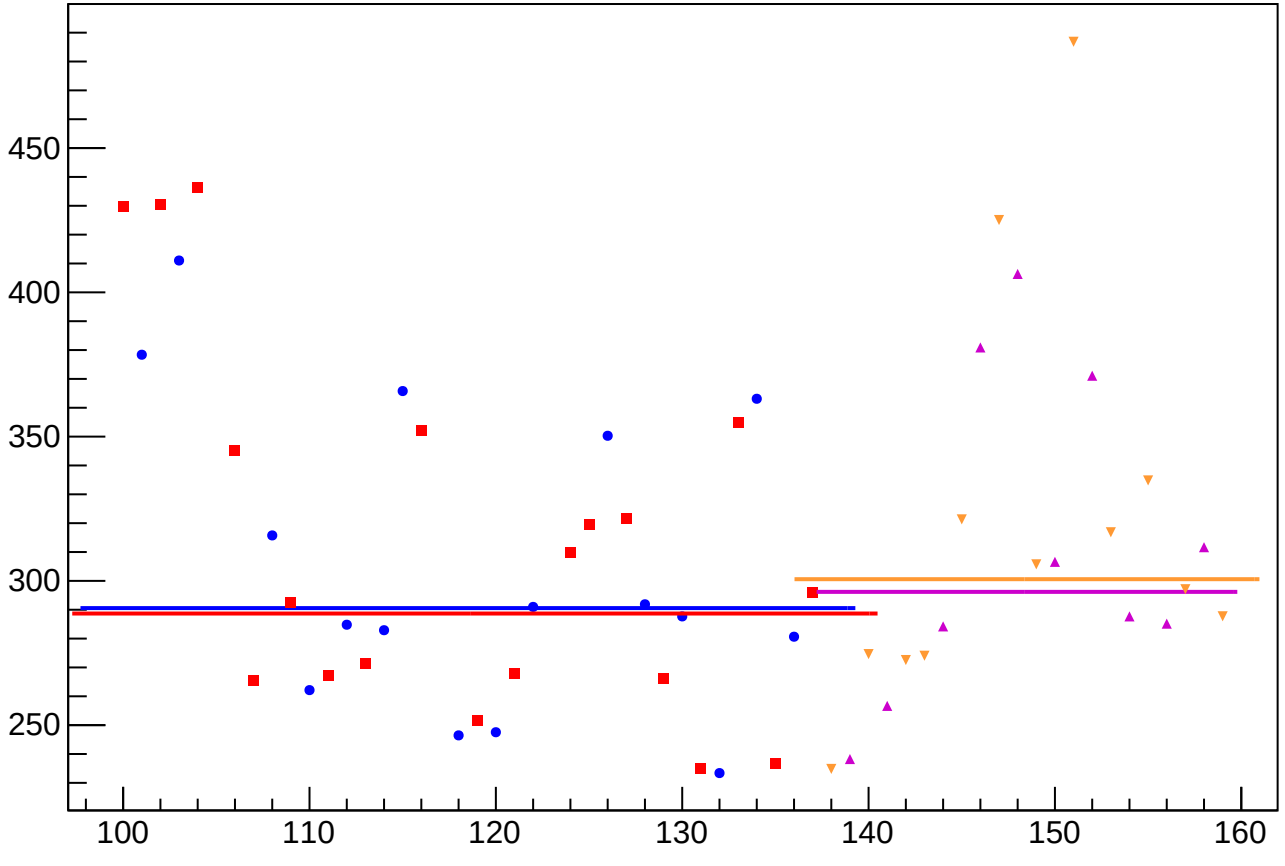
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -344.686+/-75.432 χ^2/NDF:519.3/25

Out: 70.967+/-73.454 χ^2/NDF:1101.8/30

All: -131.338+/-52.625 χ^2/NDF: 1636.6/56

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 300.587+/-0.071 χ^2/NDF:569495.4/11

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 296.192+/-0.073 χ^2/NDF:421380.5/9

Left: 298.456+/-0.051 χ^2/NDF: 992749.3/21

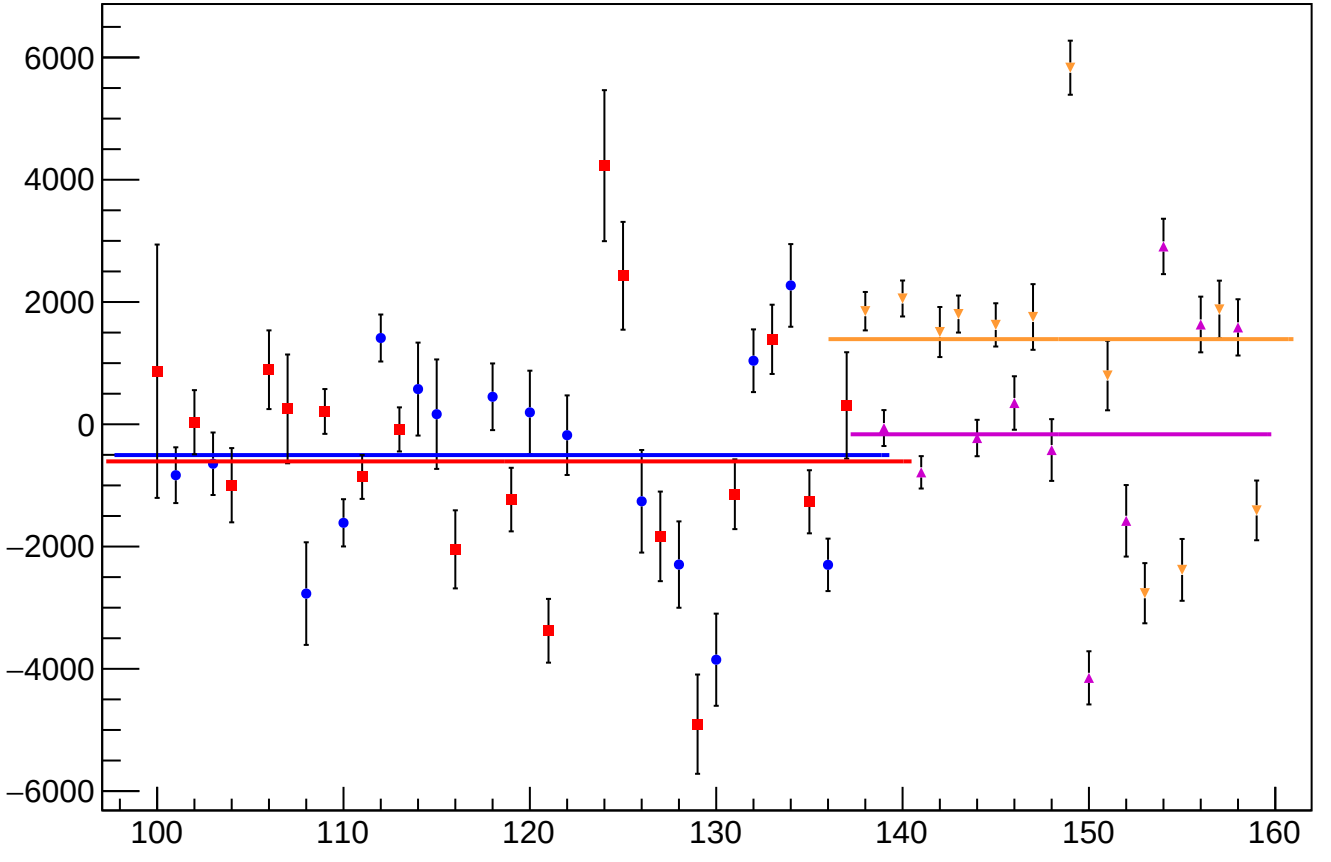
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.579+/-0.053 χ^2/NDF:783954.2/25

Out: 295.108+/-0.052 χ^2/NDF:1071631.8/30

All: 294.364+/-0.037 χ^2/NDF: 1856007.9/56

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1392.766+/-115.505 χ^2/NDF:272.8/11

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -163.768+/-120.505 χ^2/NDF:173.0/9

Left: 647.462+/-83.386 χ^2/NDF: 532.8/21

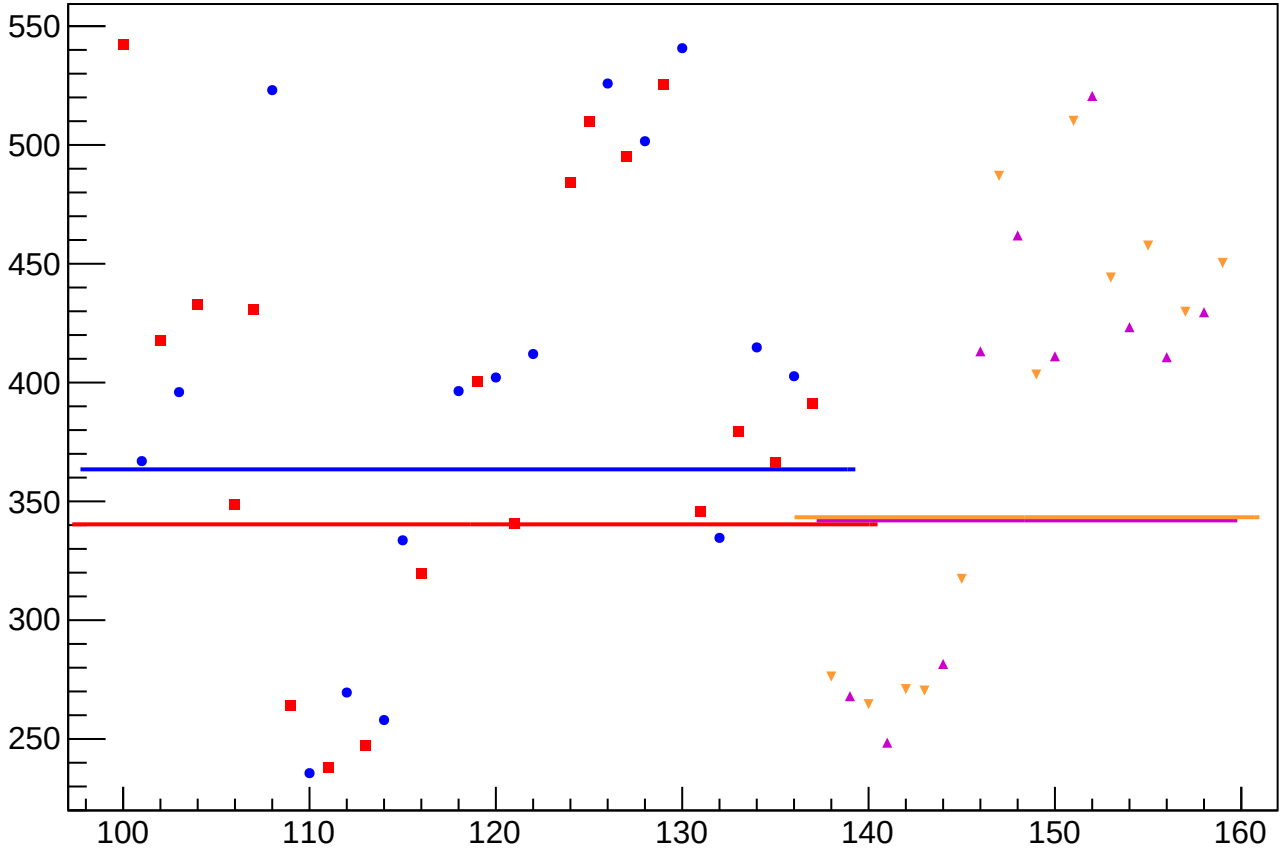
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -308.358+/-91.347 χ^2/NDF:294.7/25

Out: 507.620+/-86.231 χ^2/NDF:530.6/30

All: 123.121+/-62.705 χ^2/NDF: 867.5/56

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 343.319+/-0.082 χ^2/NDF:1124996.1/11

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 341.994+/-0.085 χ^2/NDF:1043158.4/9

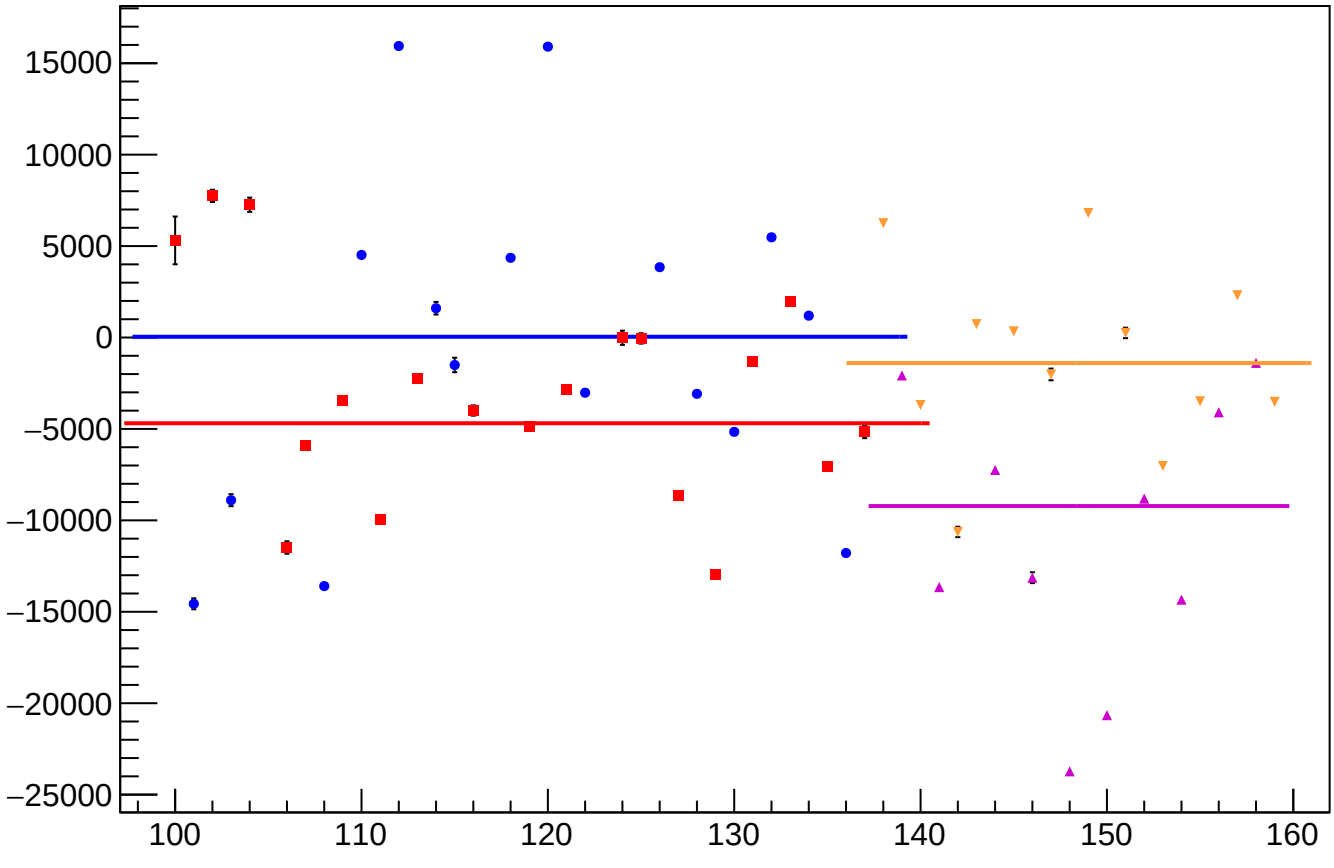
Left: 342.685+/-0.059 χ^2/NDF: 2168280.5/21

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 351.130+/-0.065 χ^2/NDF:1851074.1/25

Out: 341.997+/-0.061 χ^2/NDF:1981818.5/30

All: 346.301+/-0.044 χ^2/NDF: 3843464.7/56



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1398.372+/-56.229 χ^2/NDF:6795.1/11

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -9218.937+/-60.616 χ^2/NDF:12984.8/9

Left: -5015.476+/-41.224 χ^2/NDF: 28726.9/21

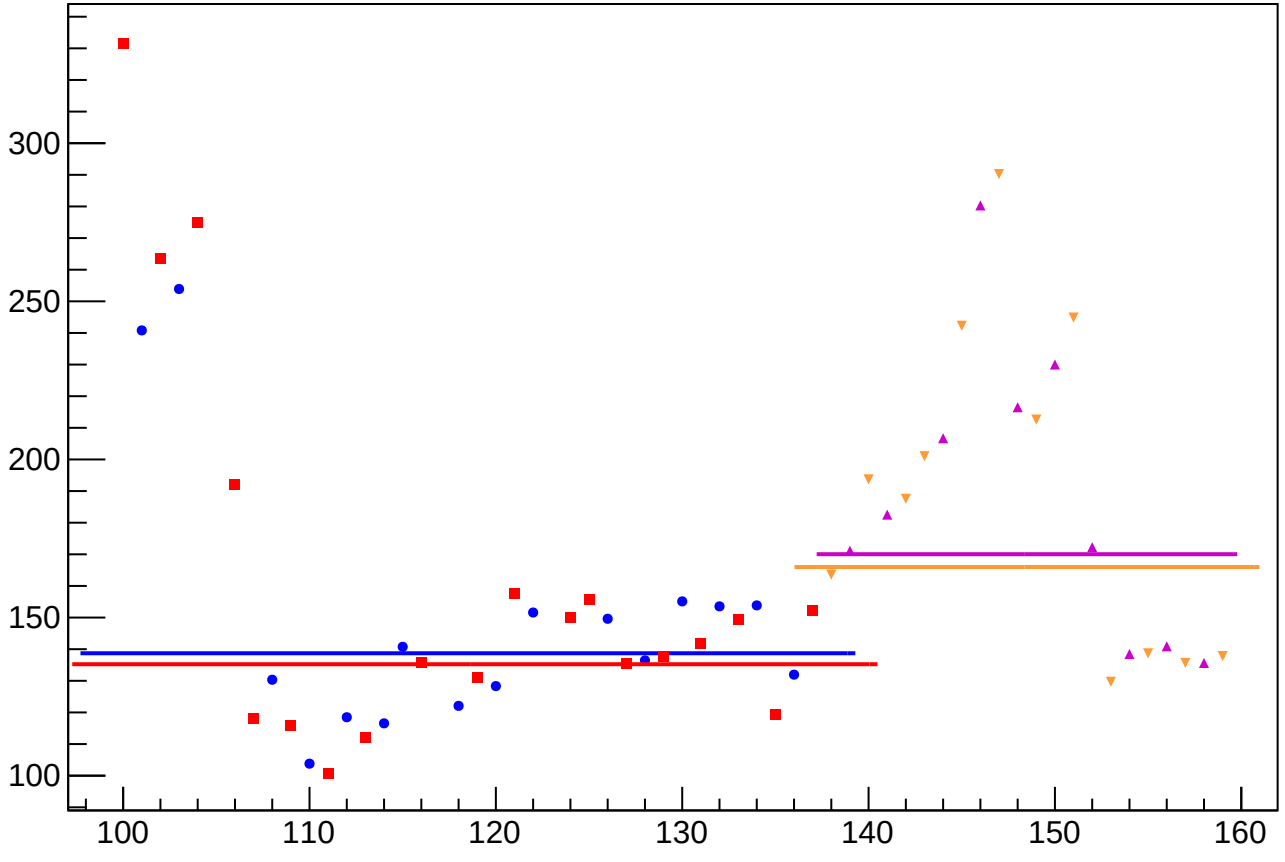
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4073.092+/-40.403 χ^2/NDF:56739.6/25

Out: -3169.469+/-38.215 χ^2/NDF:16434.5/30

All: -3596.148+/-27.763 χ^2/NDF: 73438.2/56

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 165.982+/-0.040 χ^2/NDF:1125866.7/11

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

Left: 167.858+/-0.029 χ^2/NDF: 1933516.1/21

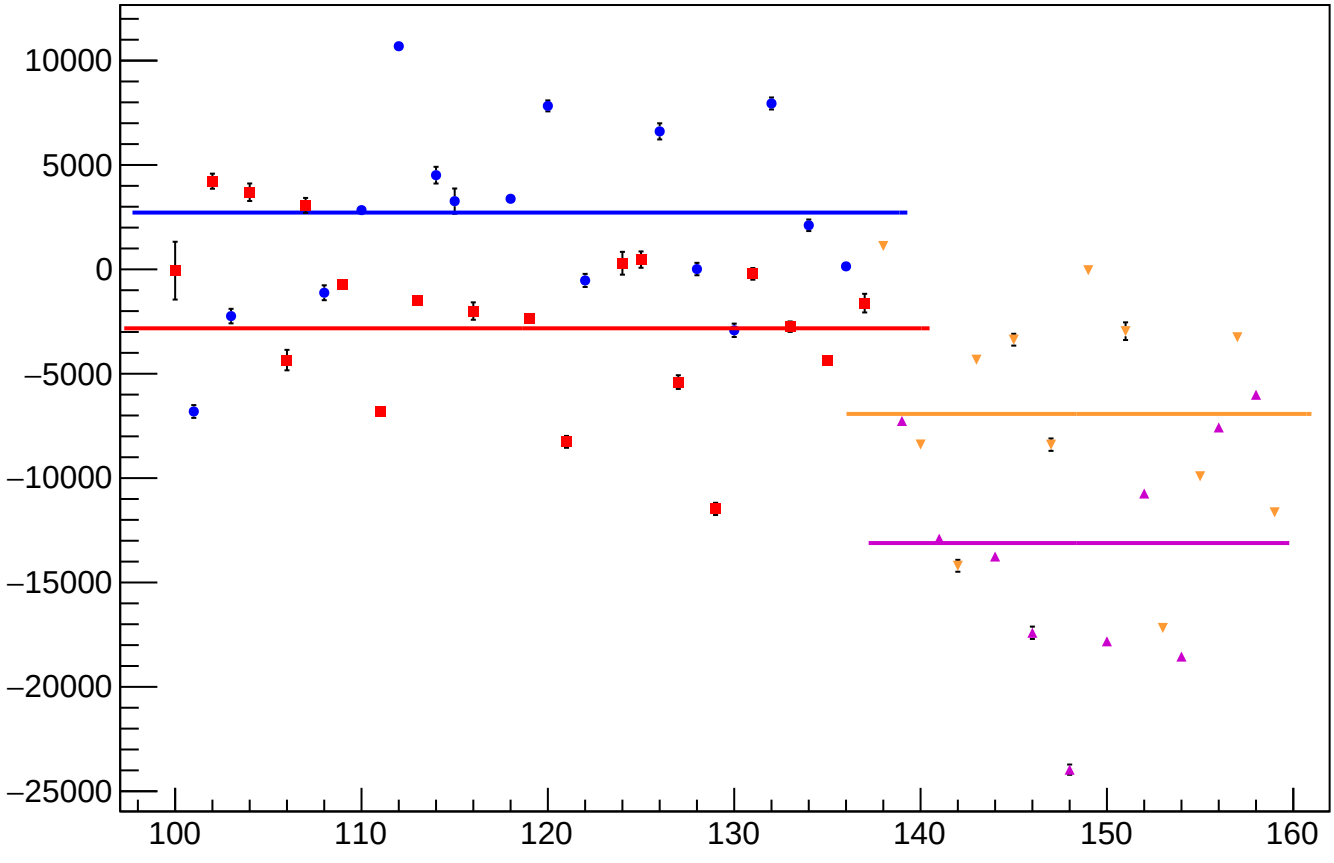
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.630+/-0.029 χ^2/NDF:1757468.0/25

Out: 149.442+/-0.027 χ^2/NDF:2337476.1/30

All: 150.947+/-0.020 χ^2/NDF: 4101513.8/56

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6924.698+/-67.149 χ^2/NDF:7355.0/11

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -13110.901+/-63.887 χ^2/NDF:7227.5/9

Left: -10171.690+/-46.285 χ^2/NDF: 19037.3/21

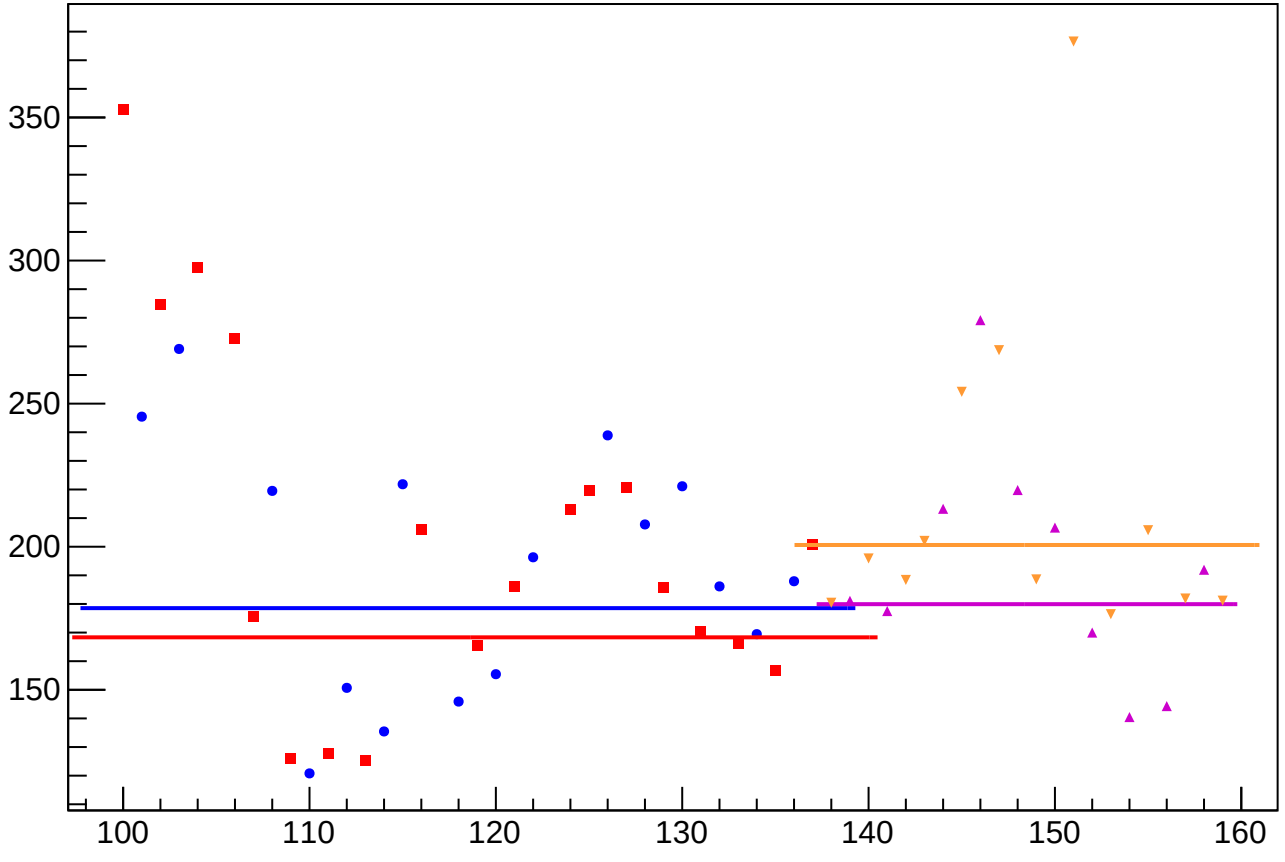
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5831.758+/-46.956 χ^2/NDF:39589.5/25

Out: -4802.782+/-46.648 χ^2/NDF:12347.7/30

All: -5313.882+/-33.093 χ^2/NDF: 52178.9/56

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.606+/-0.047 χ^2/NDF:617081.6/11

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

Left: 189.752+/-0.033 χ^2/NDF: 1308974.2/21

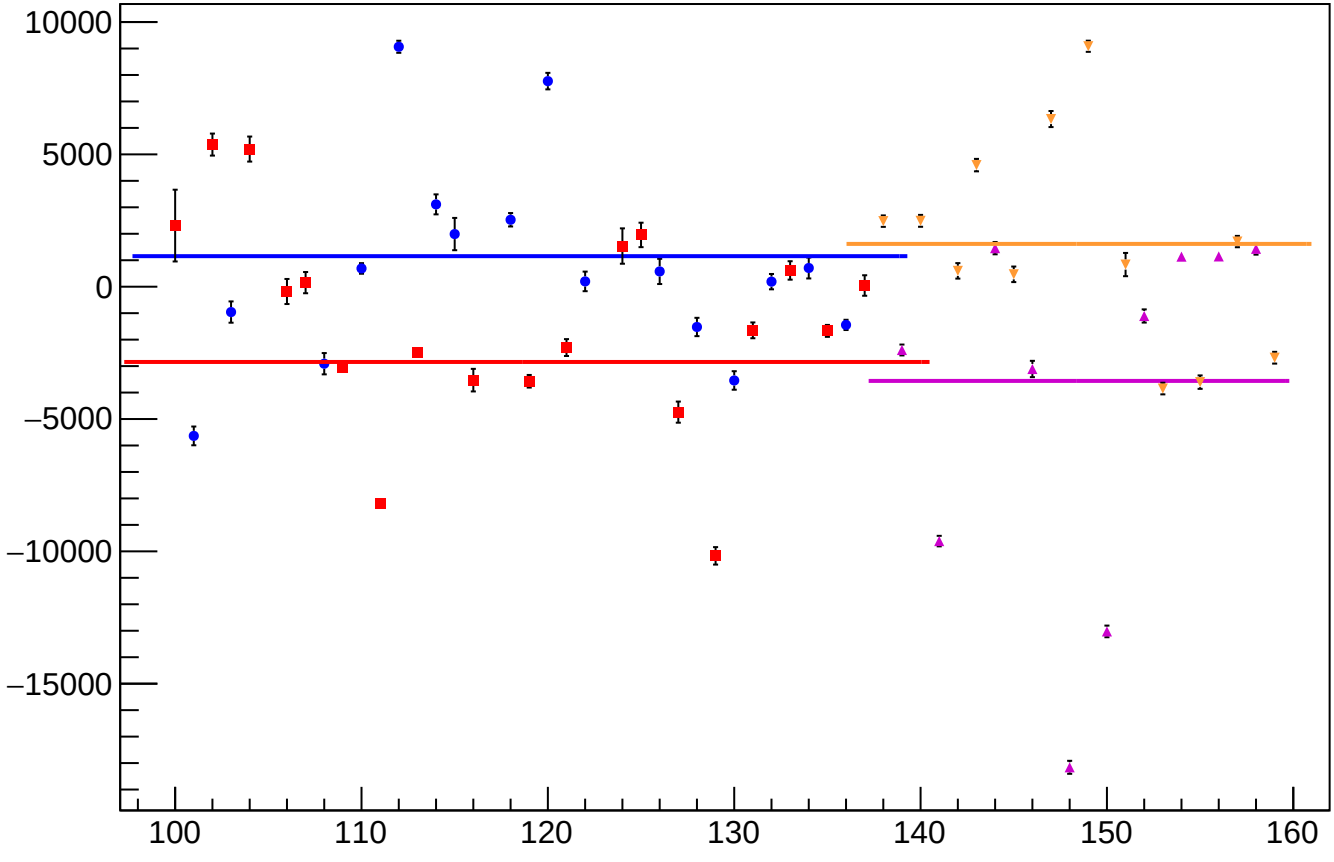
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.290+/-0.033 χ^2/NDF:1267337.2/25

Out: 183.909+/-0.033 χ^2/NDF:1835581.6/30

All: 181.614+/-0.023 χ^2/NDF: 3112657.6/56

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1617.160+/-70.874 χ^2/NDF:3131.0/11

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3559.811+/-67.313 χ^2/NDF:8940.6/9

Left: -1104.645+/-48.808 χ^2/NDF: 14876.8/21

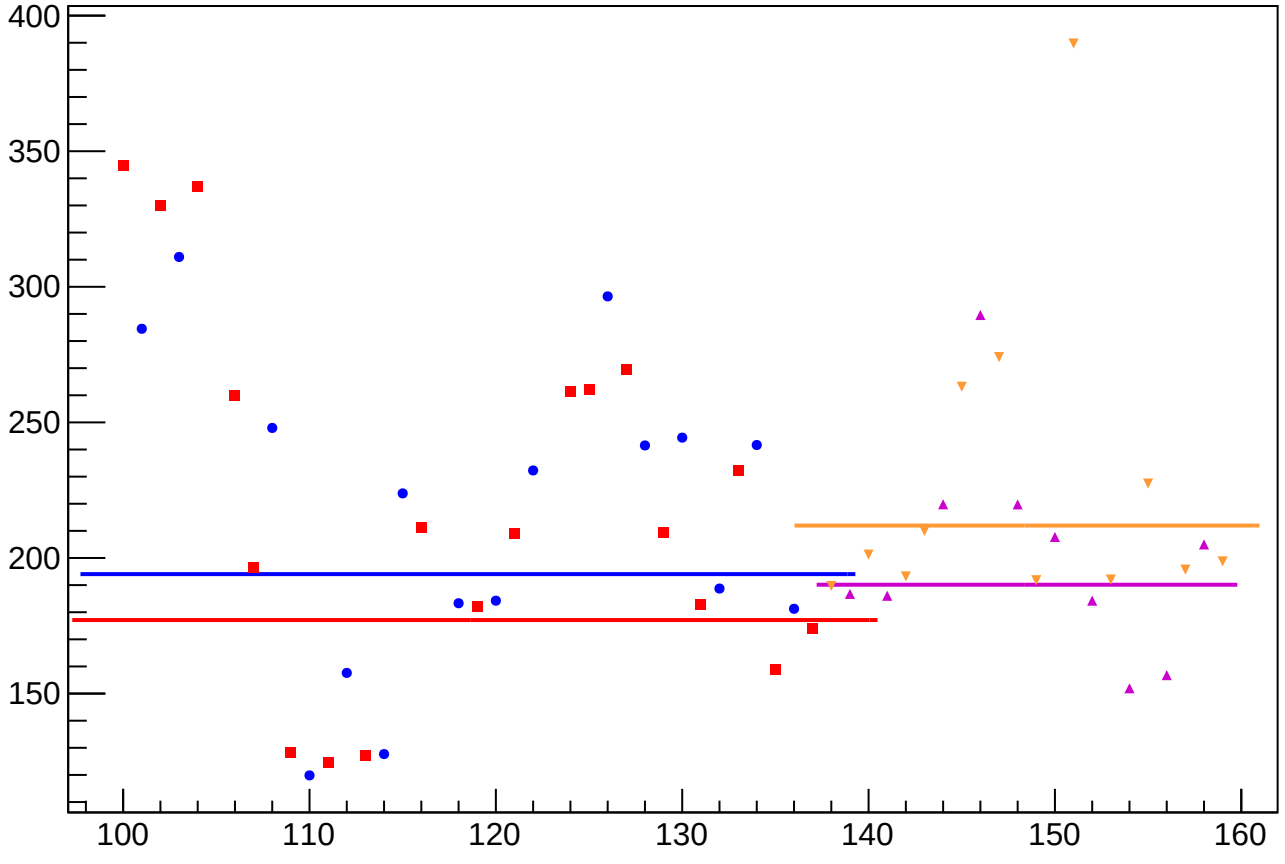
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1486.344+/-50.378 χ^2/NDF:13753.0/25

Out: -668.641+/-49.491 χ^2/NDF:7614.2/30

All: -1070.232+/-35.305 χ^2/NDF: 21501.2/56

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 211.959+/-0.050 χ^2/NDF:566452.4/11

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

Left: 200.486+/-0.035 χ^2/NDF: 1139382.3/21

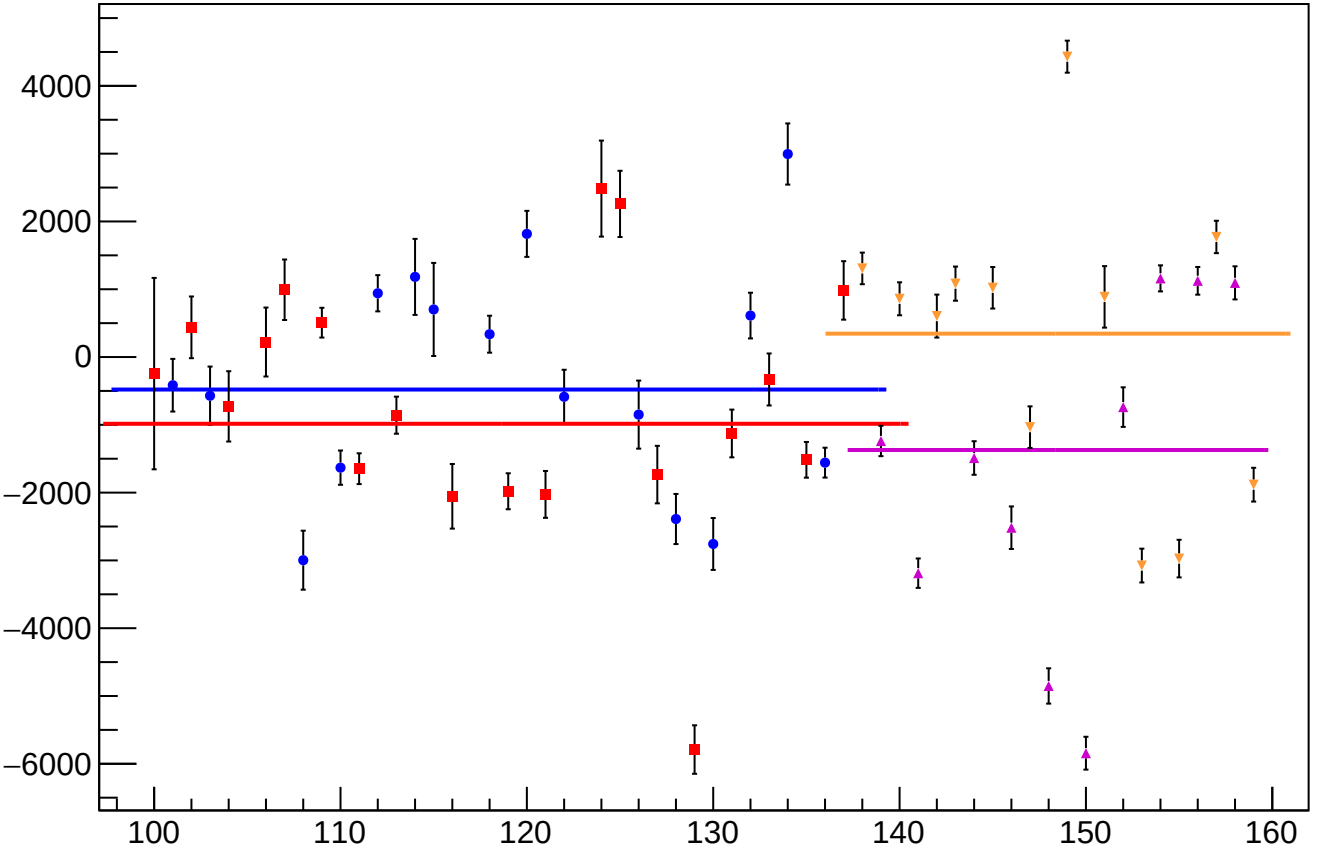
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.860+/-0.036 χ^2/NDF:1442009.3/25

Out: 194.105+/-0.035 χ^2/NDF:2173494.8/30

All: 193.003+/-0.025 χ^2/NDF: 3617526.5/56

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 344.844+/-77.184 χ^2/NDF:803.8/11

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -1371.372+/-74.745 χ^2/NDF:1032.4/9

Left: -540.811+/-53.694 χ^2/NDF: 2091.3/21

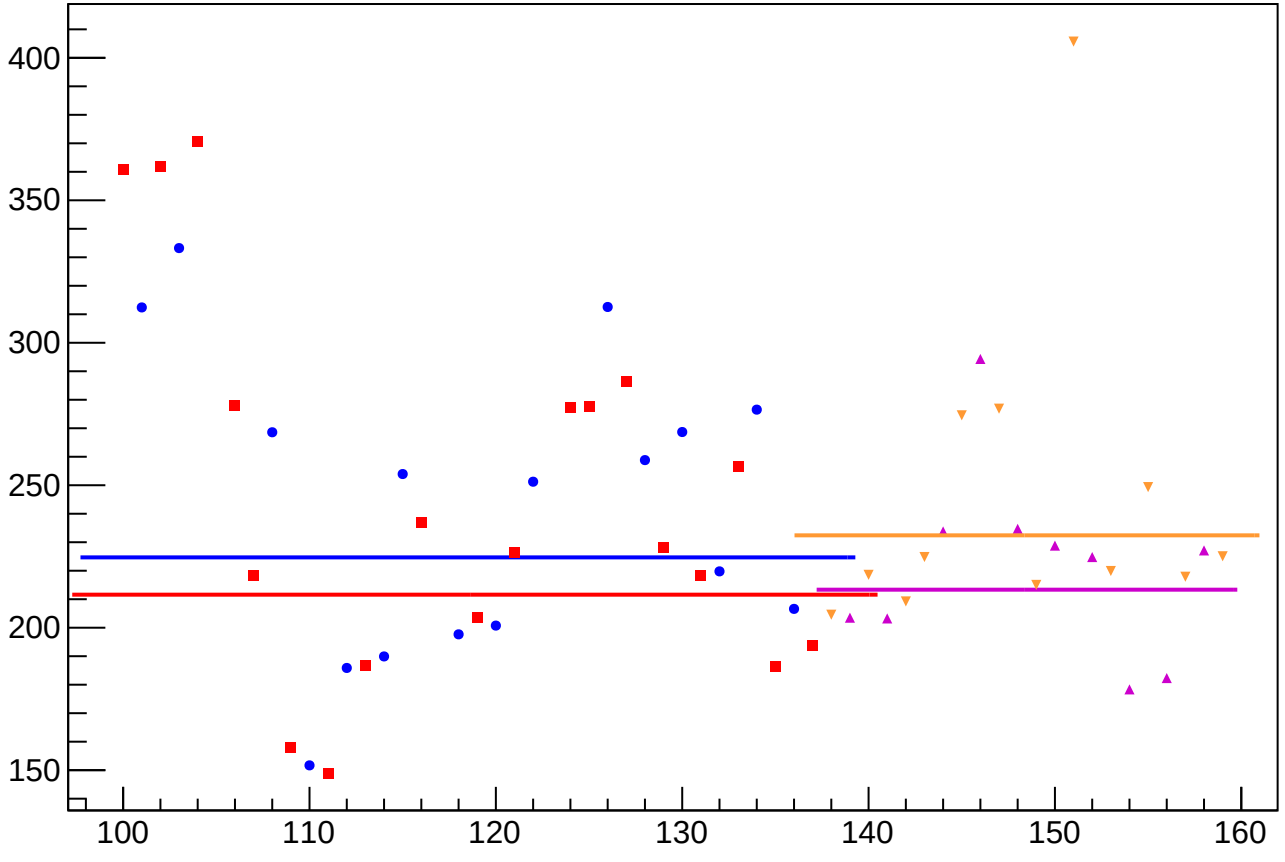
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -990.958+/-56.607 χ^2/NDF:1398.6/25

Out: -288.228+/-55.860 χ^2/NDF:1343.2/30

All: -634.923+/-39.761 χ^2/NDF: 2819.8/56

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 232.418+/-0.055 χ^2/NDF:451641.8/11

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

Left: 222.576+/-0.038 χ^2/NDF: 813037.5/21

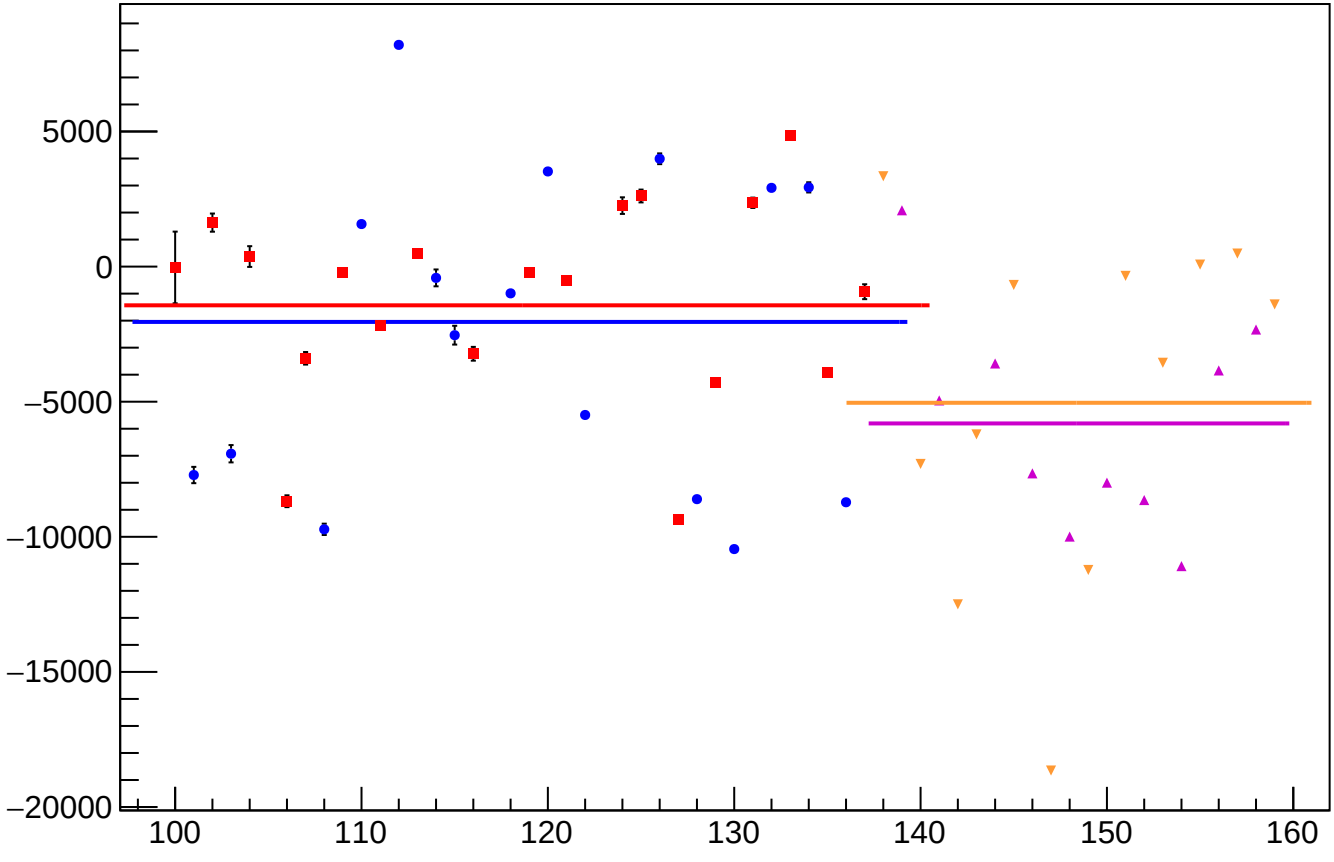
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.180+/-0.040 χ^2/NDF:971189.4/25

Out: 222.502+/-0.039 χ^2/NDF:1453869.9/30

All: 220.370+/-0.028 χ^2/NDF: 2430964.1/56

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5039.958+/-37.770 χ^2/NDF:28389.5/11

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5804.233+/-39.942 χ^2/NDF:9005.0/9

Left: -5400.753+/-27.443 χ^2/NDF: 37587.8/21

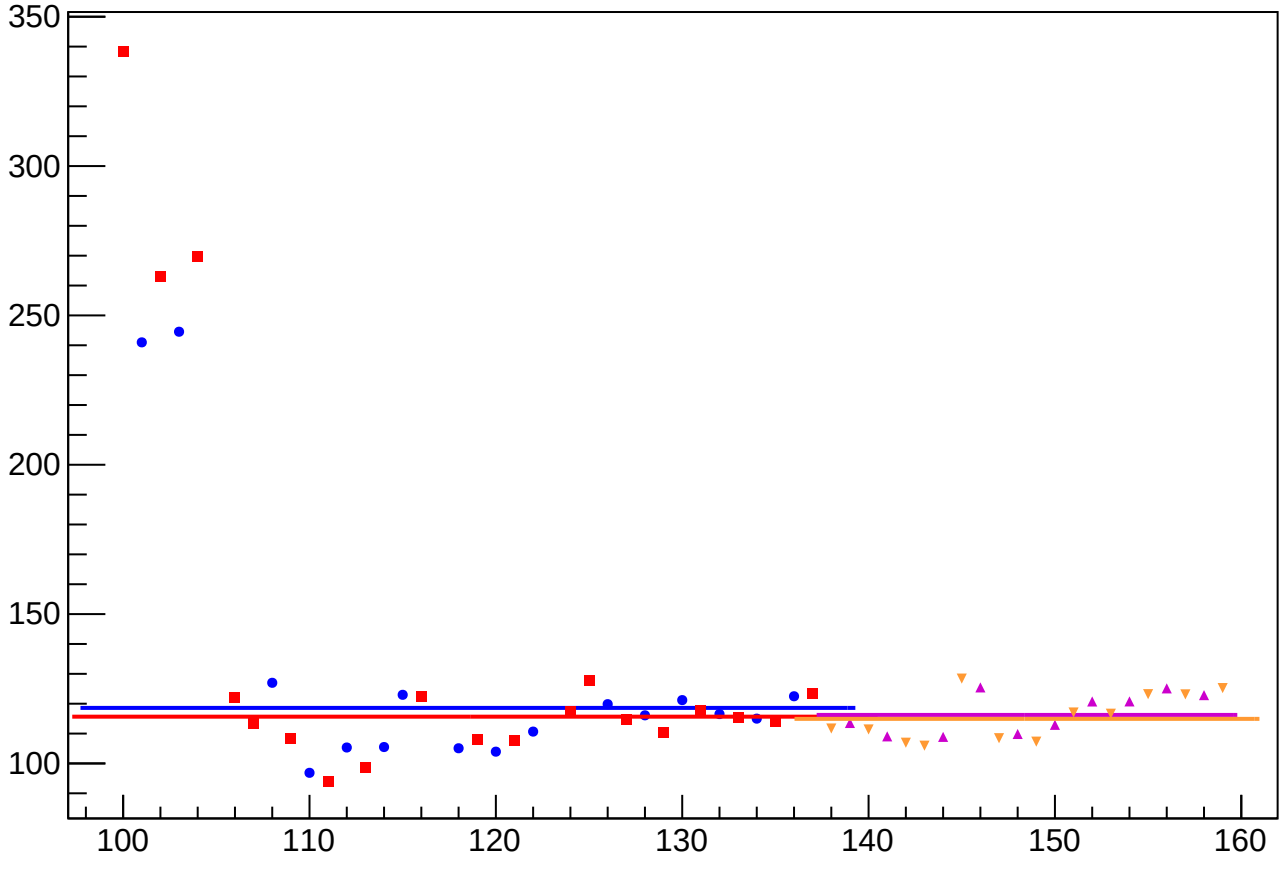
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4217.870+/-30.360 χ^2/NDF:29449.9/25

Out: -3538.534+/-28.858 χ^2/NDF:38573.6/30

All: -3860.981+/-20.917 χ^2/NDF: 68286.4/56

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.924+/-0.027 χ^2/NDF:77200.5/11

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

Left: 115.547+/-0.019 χ^2/NDF: 129098.2/21

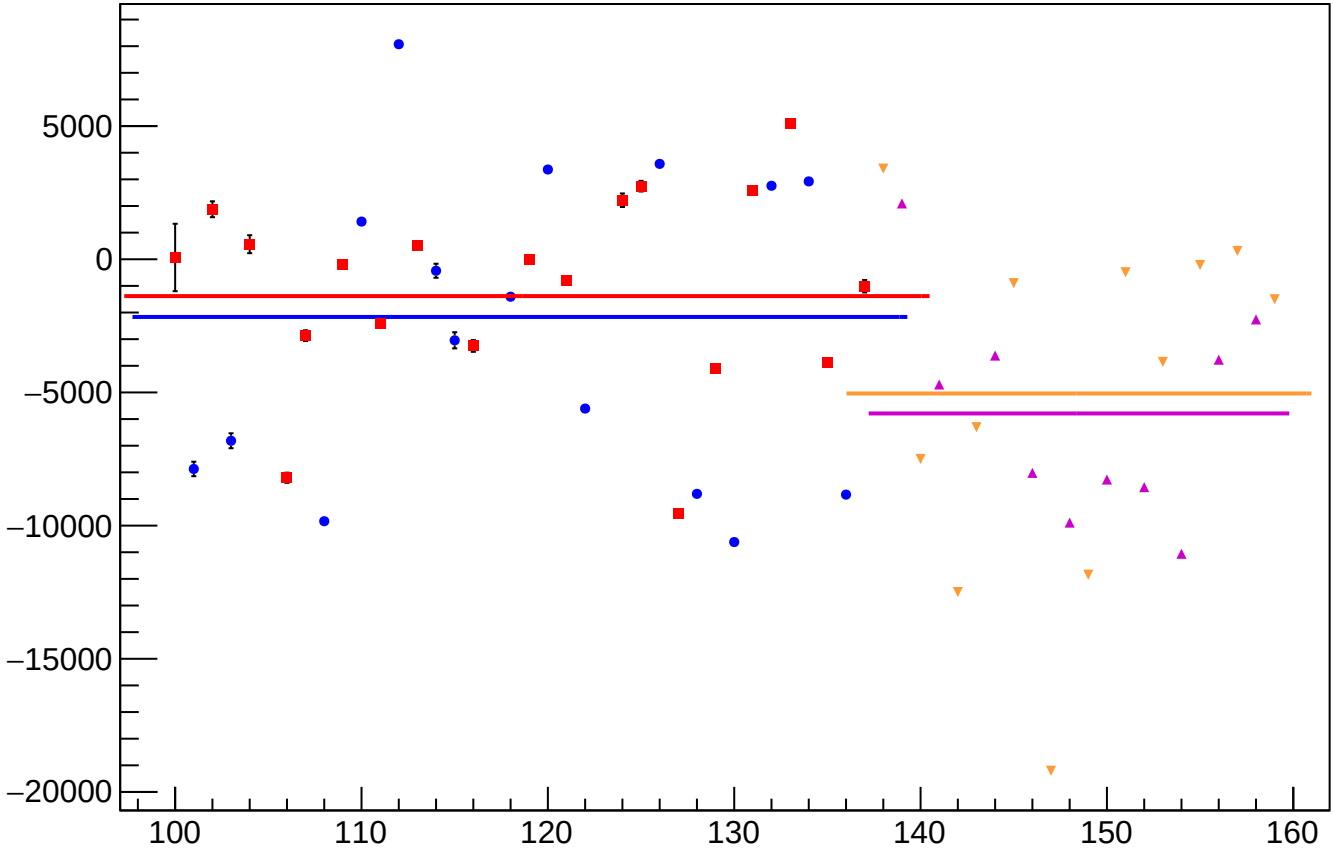
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.237+/-0.021 χ^2/NDF:787833.3/25

Out: 115.230+/-0.020 χ^2/NDF:941722.8/30

All: 116.182+/-0.015 χ^2/NDF: 1734146.1/56

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5039.242+/-34.036 χ^2/NDF:34502.6/11

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5788.860+/-36.495 χ^2/NDF:11063.5/9

Left: -5387.944+/-24.891 χ^2/NDF: 45791.8/21

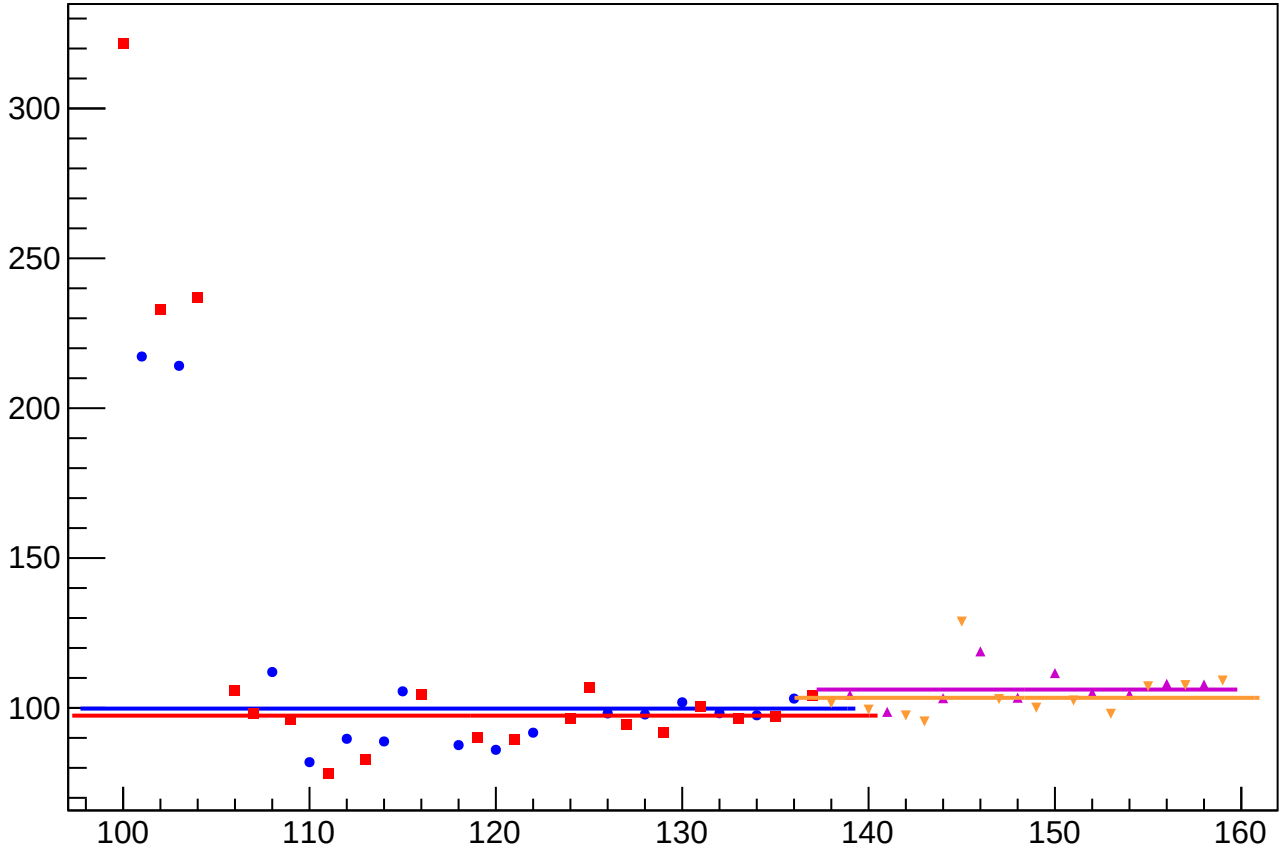
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4126.407+/-26.846 χ^2/NDF:38460.5/25

Out: -3410.619+/-25.346 χ^2/NDF:48791.3/30

All: -3747.949+/-18.430 χ^2/NDF: 87627.7/56

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 103.368+/-0.024 χ^2/NDF:93844.0/11

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 106.130+/-0.026 χ^2/NDF:38720.5/9

Left: 104.652+/-0.018 χ^2/NDF: 138690.7/21

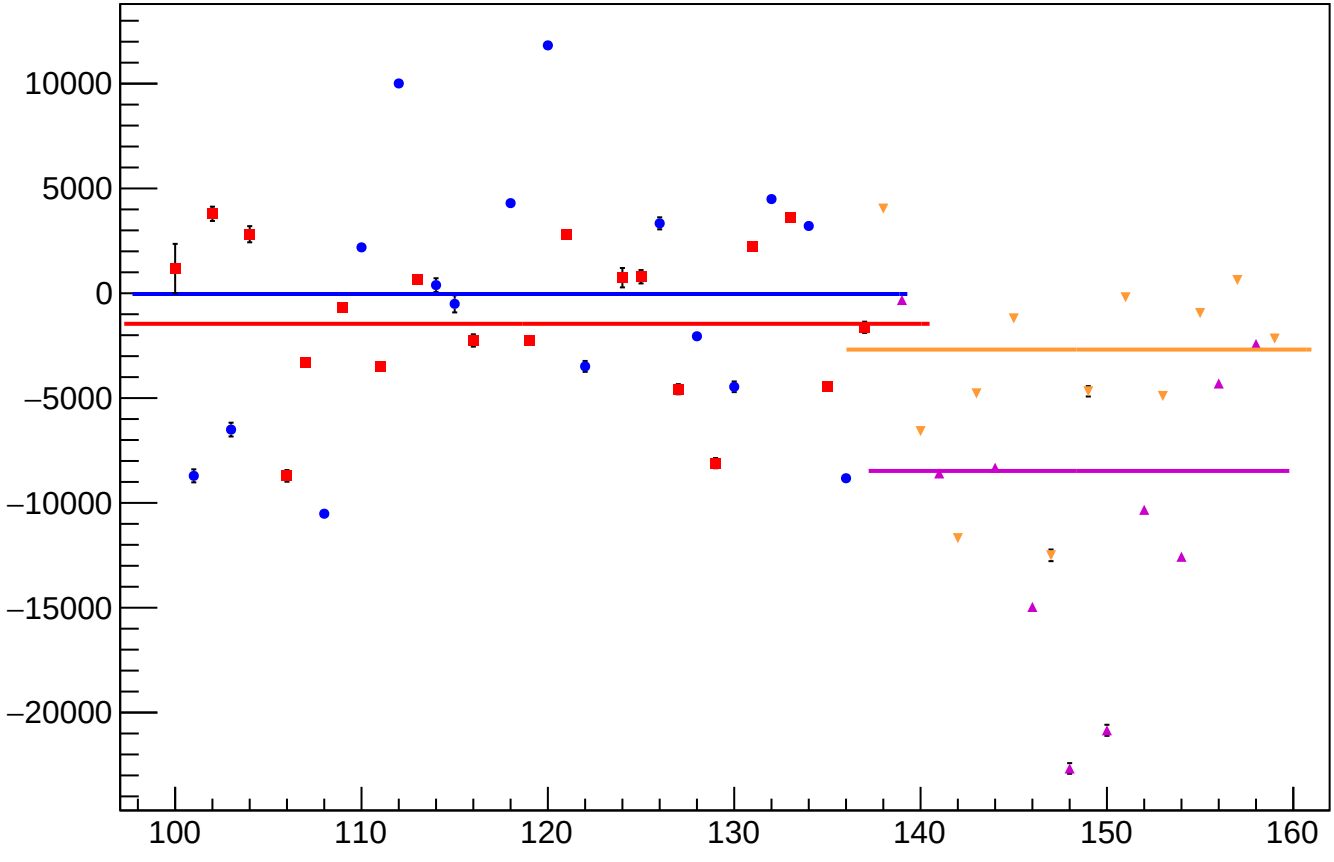
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 103.213+/-0.019 χ^2/NDF:875701.4/25

Out: 100.722+/-0.018 χ^2/NDF:1047028.4/30

All: 101.896+/-0.013 χ^2/NDF: 1931840.1/56

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2686.050+/-50.361 χ^2/NDF:6462.8/11

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -8475.051+/-55.138 χ^2/NDF:12077.6/9

Left: -5318.996+/-37.185 χ^2/NDF: 24550.1/21

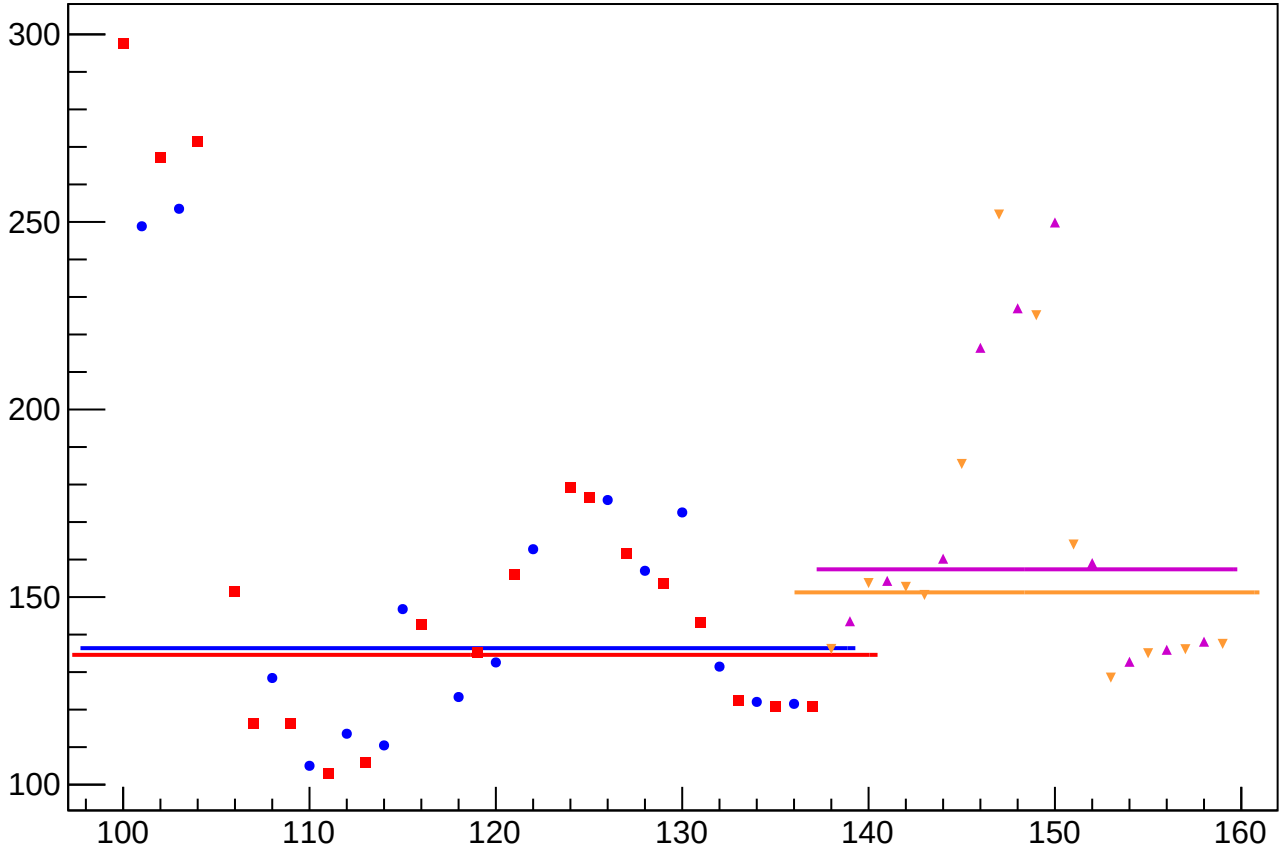
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4124.907+/-38.383 χ^2/NDF:40957.7/25

Out: -2090.391+/-36.158 χ^2/NDF:10868.6/30

All: -3046.967+/-26.319 χ^2/NDF: 53314.8/56

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 151.253+/-0.036 χ^2/NDF:636638.3/11

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 157.396+/-0.039 χ^2/NDF:677509.9/9

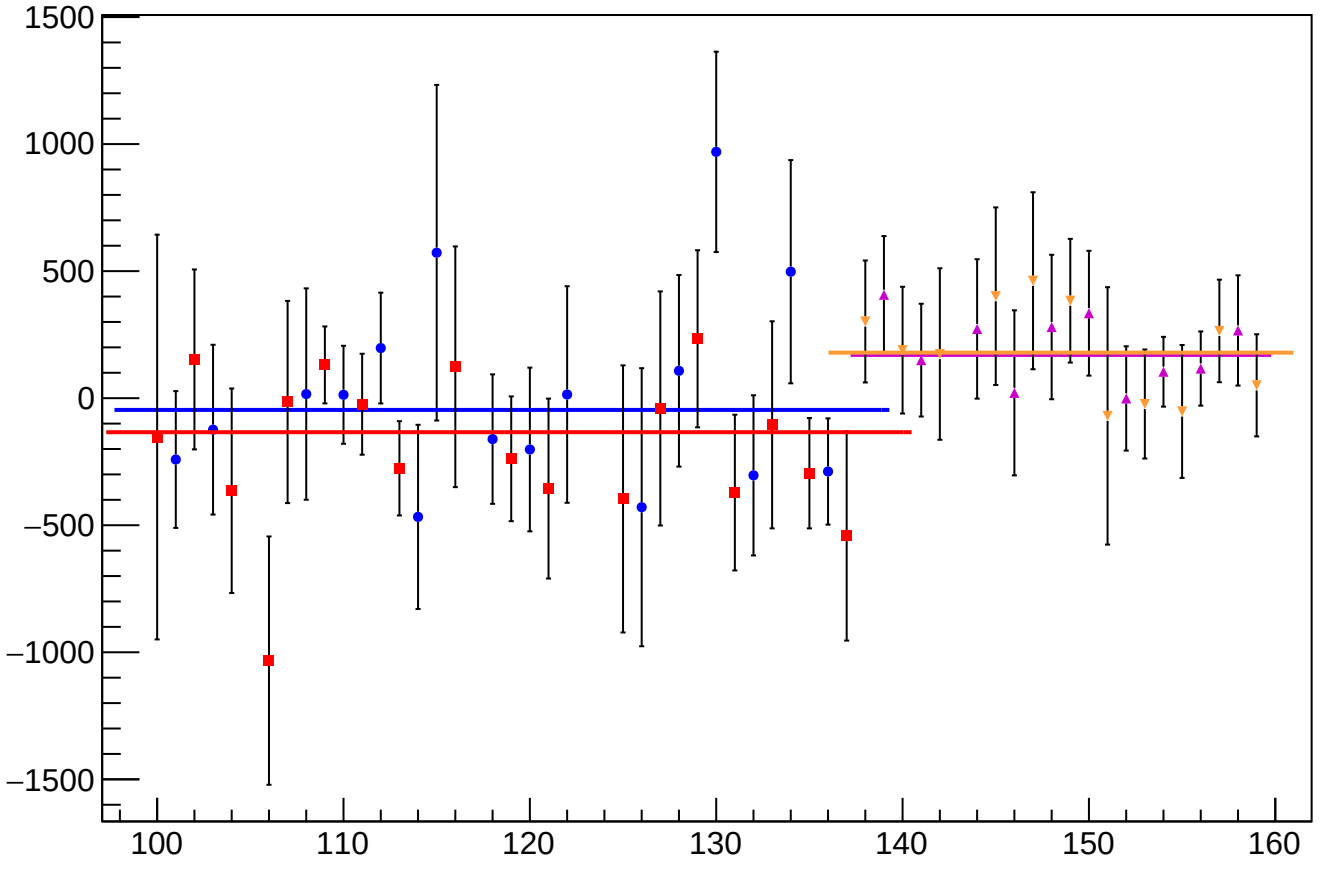
Left: 154.047+/-0.026 χ^2/NDF: 1327686.0/21

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 146.566+/-0.027 χ^2/NDF:1624075.8/25

Out: 143.183+/-0.026 χ^2/NDF:1662215.5/30

All: 144.774+/-0.019 χ^2/NDF: 3294522.8/56



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 179.279+/-77.827 χ^2/NDF:4.5/10

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 170.263+/-65.138 χ^2/NDF:3.3/9

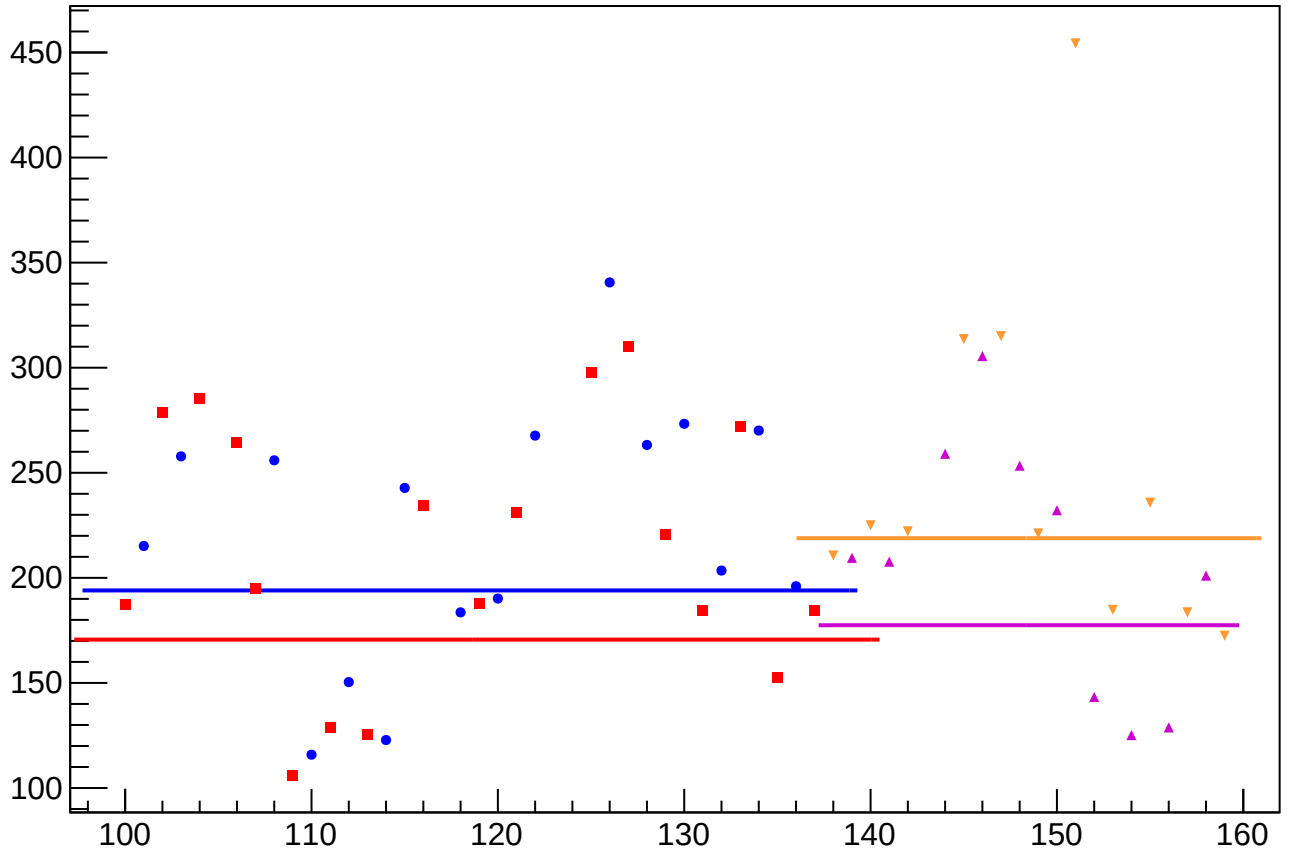
Left: 173.977+/-49.951 χ^2/NDF: 7.8/20

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 78.985+/-49.536 χ^2/NDF:23.4/25

Out: 2.606+/-51.383 χ^2/NDF:26.5/28

All: 42.193+/-35.662 χ^2/NDF: 51.0/54



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 218.873+/-0.055 χ^2/NDF:962117.3/10

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 177.452+/-0.046 χ^2/NDF:1396092.4/9

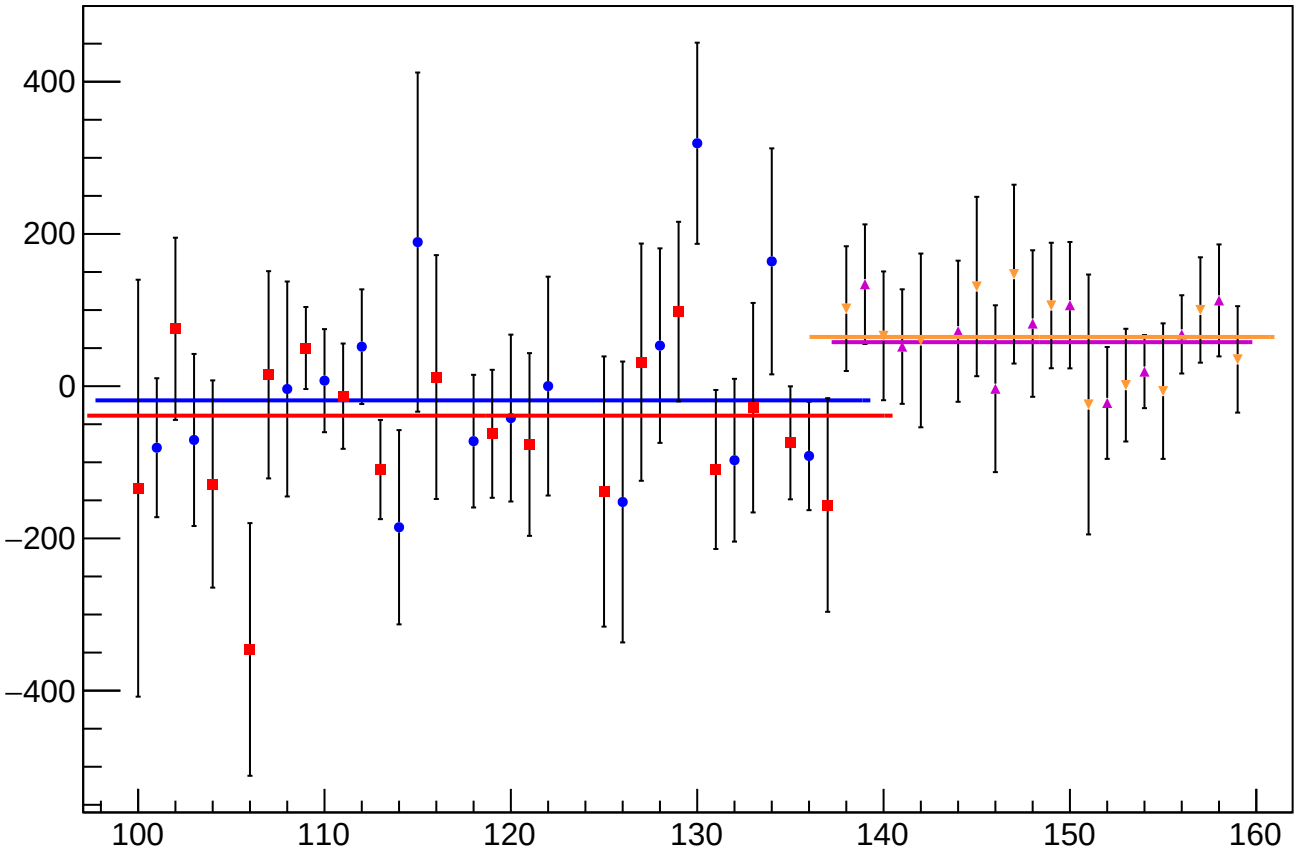
Left: 194.515+/-0.035 χ^2/NDF: 2691341.5/20

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 184.437+/-0.035 χ^2/NDF:2494219.5/25

Out: 191.655+/-0.036 χ^2/NDF:2989467.9/28

All: 187.914+/-0.025 χ^2/NDF: 5504141.5/54



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 64.693+/-26.603 χ^2/NDF:3.3/10

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 57.850+/-22.513 χ^2/NDF:4.1/9

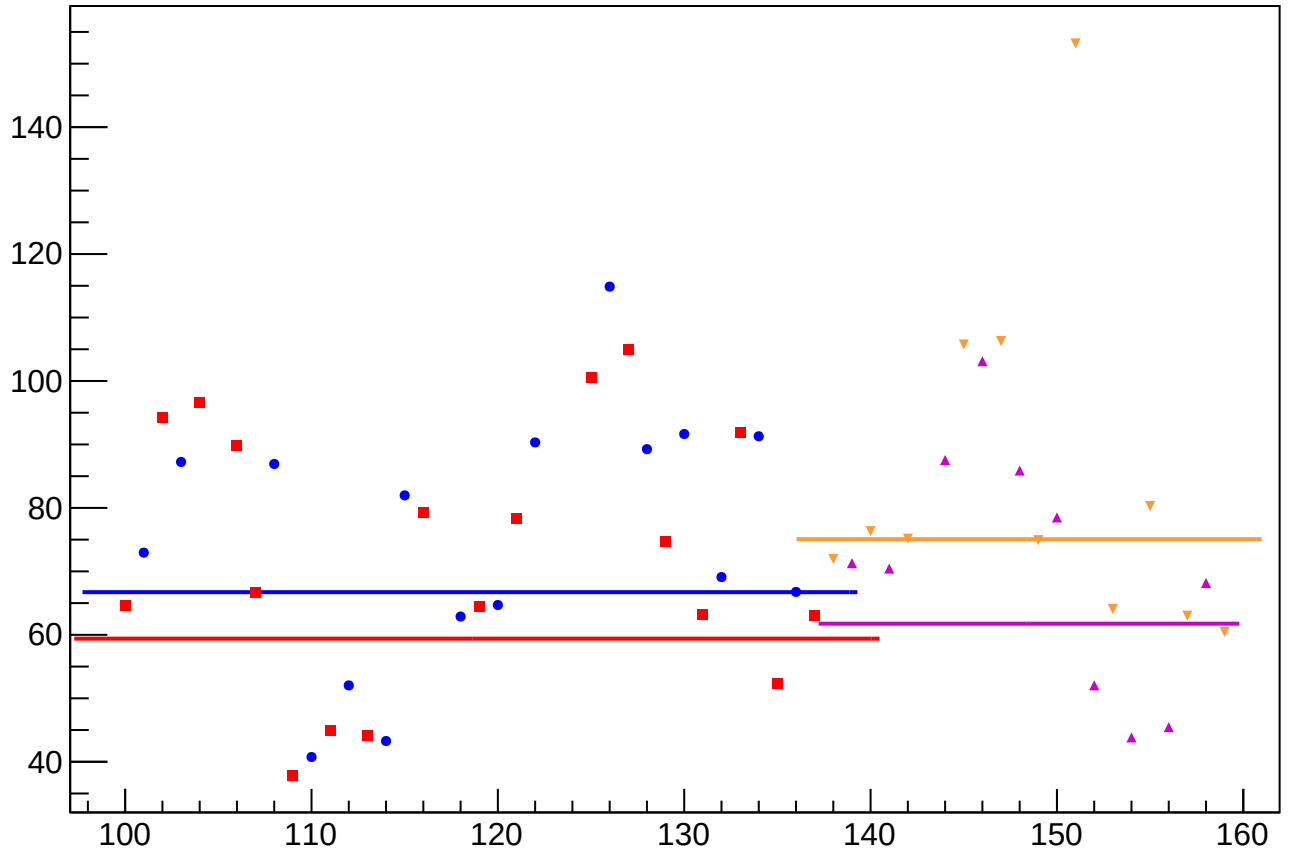
Left: 60.706+/-17.185 χ^2/NDF: 7.5/20

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 25.249+/-17.053 χ^2/NDF:24.2/25

Out: 6.936+/-17.676 χ^2/NDF:24.4/28

All: 16.421+/-12.273 χ^2/NDF: 49.2/54



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.072+/-0.019 χ^2/NDF:897935.2/10

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.760+/-0.016 χ^2/NDF:1232513.7/9

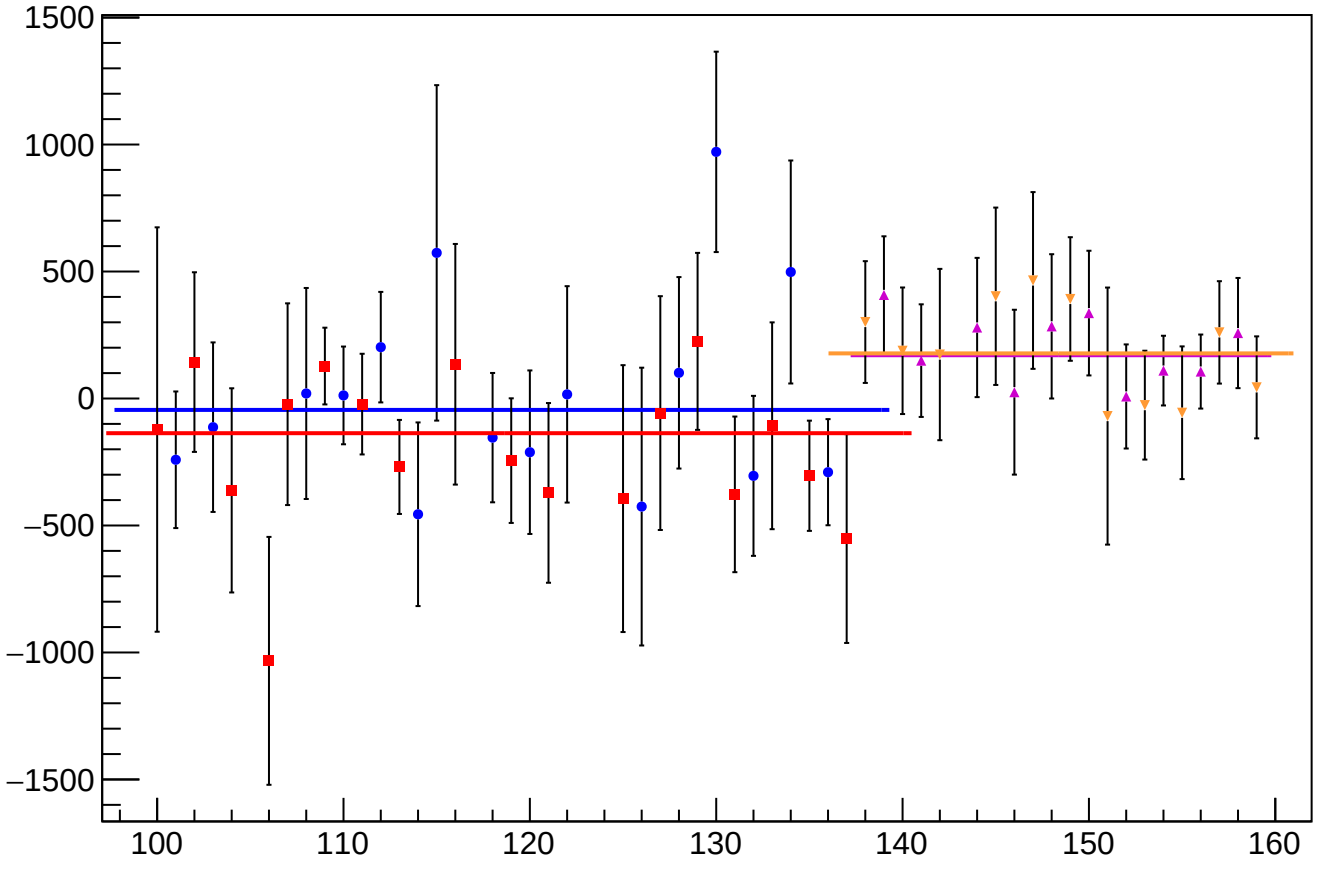
Left: 67.315+/-0.012 χ^2/NDF: 2422241.3/20

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.876+/-0.012 χ^2/NDF:2220992.7/25

Out: 66.319+/-0.012 χ^2/NDF:2730946.5/28

All: 65.054+/-0.009 χ^2/NDF: 4971726.7/54



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 177.627+/-77.758 χ^2/NDF:4.7/10

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 170.425+/-65.080 χ^2/NDF:3.2/9

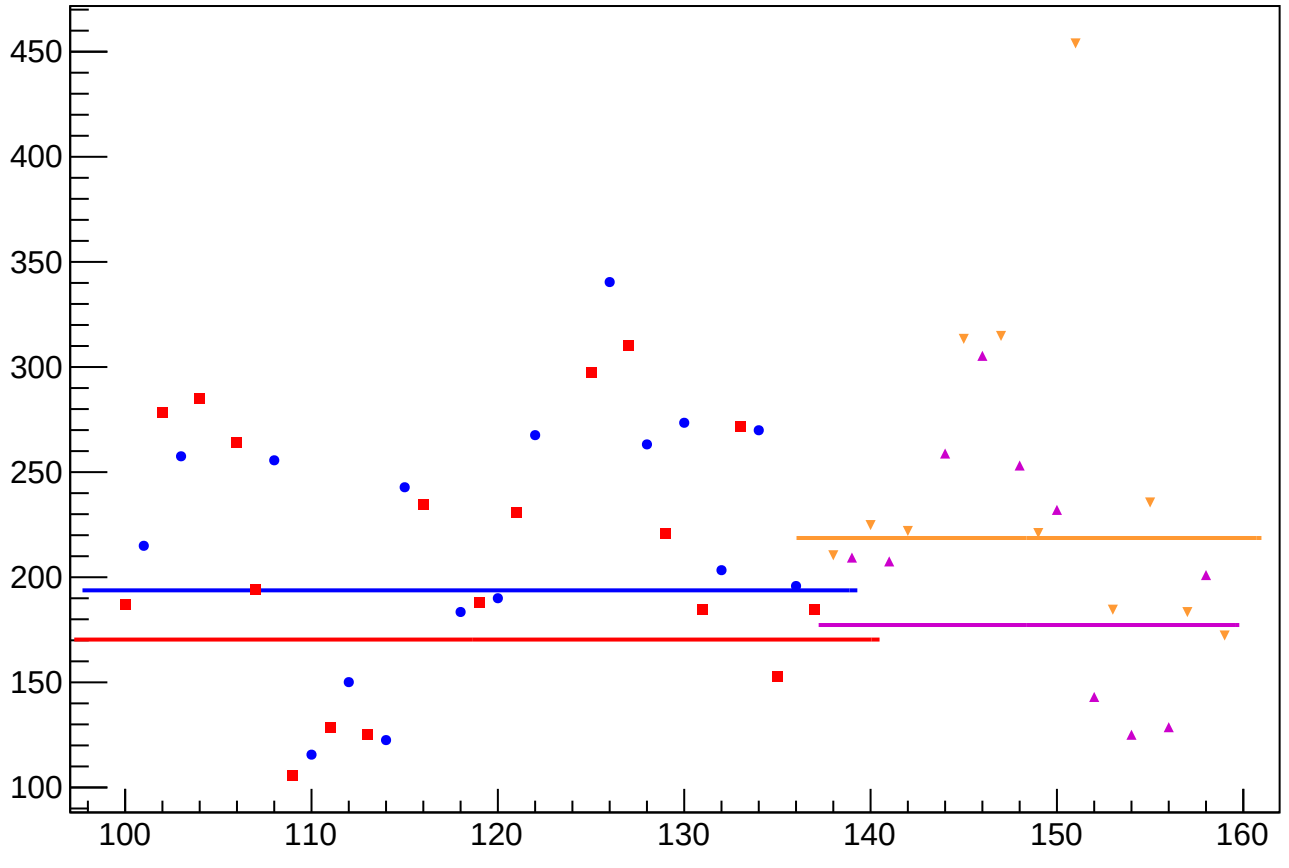
Left: 173.392+/-49.907 χ^2/NDF: 7.9/20

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 79.596+/-49.487 χ^2/NDF:23.3/25

Out: 0.313+/-51.325 χ^2/NDF:26.8/28

All: 41.399+/-35.625 χ^2/NDF: 51.3/54



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 218.671+/-0.055 χ^2/NDF:962783.0/10

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

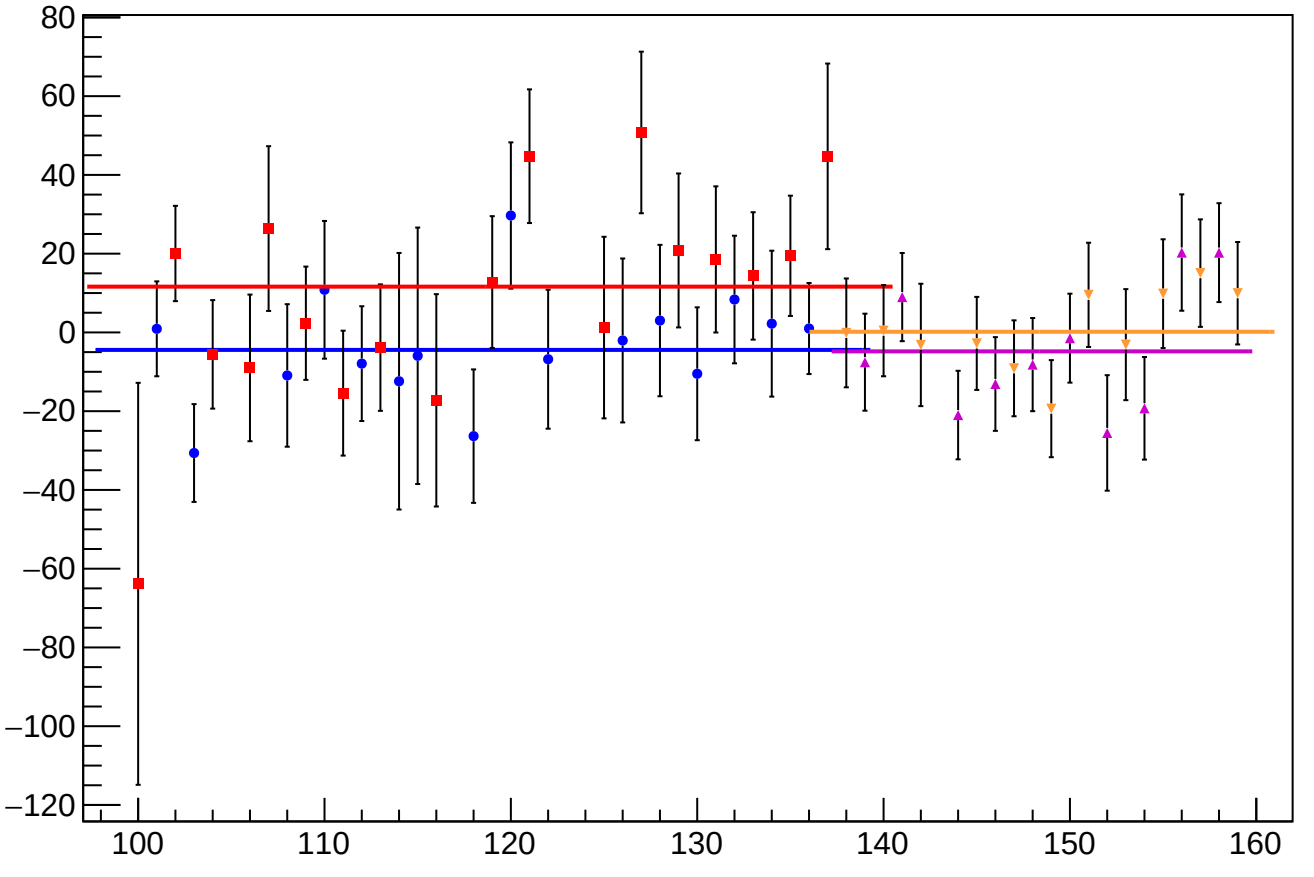
Left: 194.331+/-0.035 χ^2/NDF: 2693917.2/20

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 184.235+/-0.035 χ^2/NDF:2500125.5/25

Out: 191.407+/-0.036 χ^2/NDF:2997525.3/28

All: 187.690+/-0.025 χ^2/NDF: 5517888.0/54



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.167+/-3.935 χ^2/NDF:6.0/10

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -4.811+/-3.893 χ^2/NDF:14.4/9

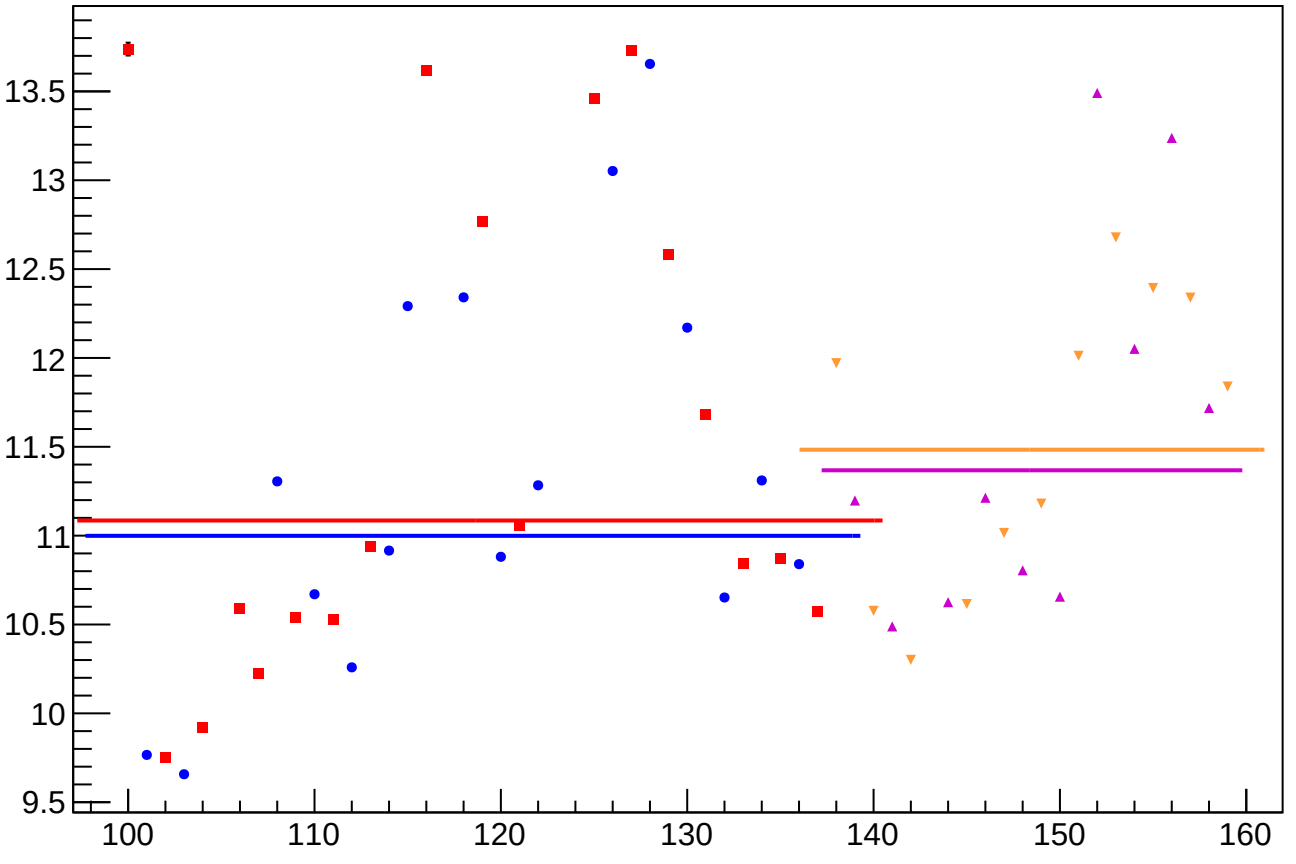
Left: -2.349+/-2.767 χ^2/NDF: 21.2/20

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -4.636+/-2.833 χ^2/NDF:26.4/25

Out: 5.611+/-2.851 χ^2/NDF:31.7/28

All: 0.455+/-2.010 χ^2/NDF: 64.5/54



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.484+/-0.003 χ^2/NDF:76901.1/10

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

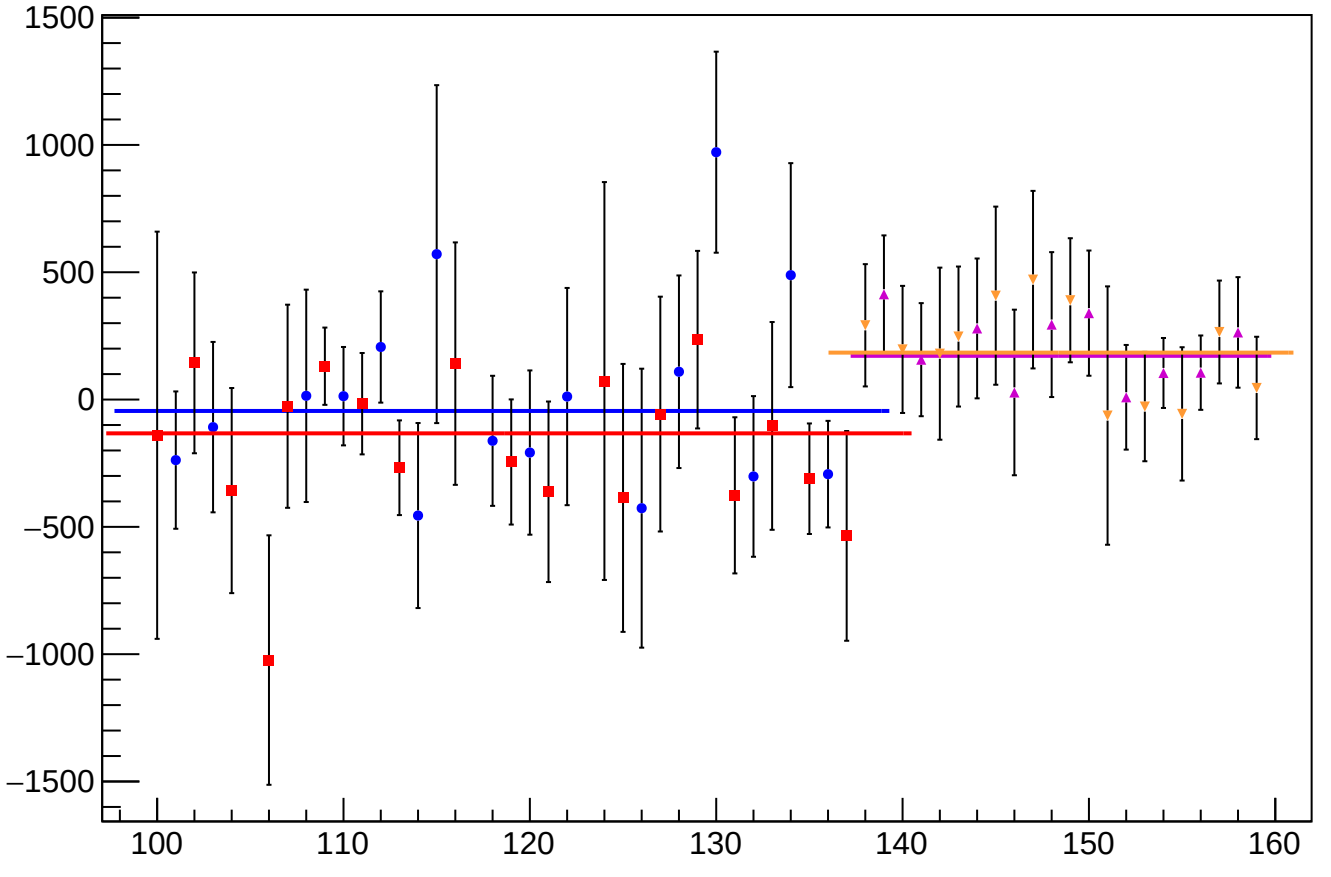
Left: 11.425+/-0.002 χ^2/NDF: 193002.6/20

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.194+/-0.002 χ^2/NDF:259827.6/25

Out: 11.294+/-0.002 χ^2/NDF:248842.2/28

All: 11.244+/-0.001 χ^2/NDF: 509909.3/54



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 184.307+/-74.947 χ^2/NDF:4.7/11

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 171.733+/-65.183 χ^2/NDF:3.4/9

Left: 177.148+/-49.184 χ^2/NDF: 8.1/21

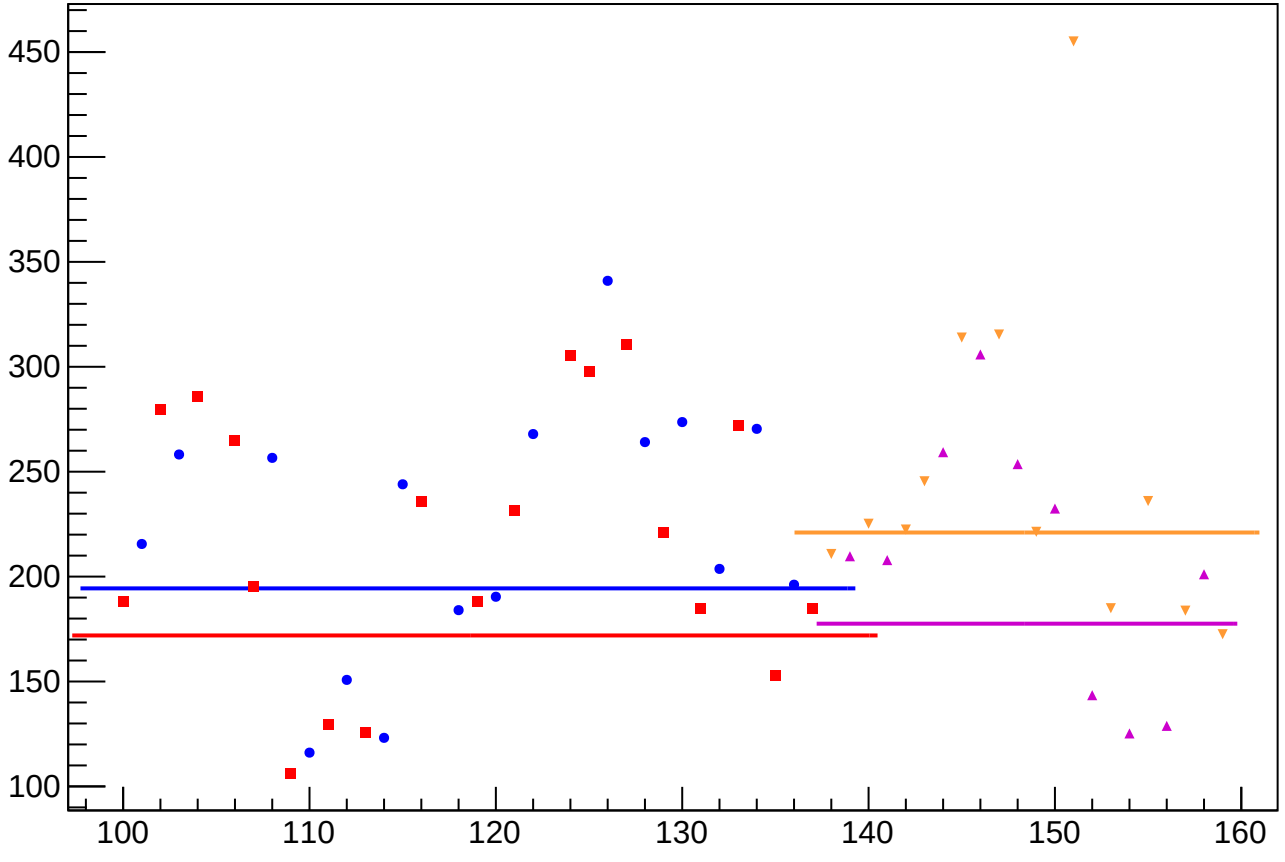
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 80.547+/-49.594 χ^2/NDF:23.4/25

Out: 11.039+/-50.470 χ^2/NDF:27.4/30

All: 46.401+/-35.374 χ^2/NDF: 51.8/56

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.014+/-0.053 χ^2/NDF:980544.1/11

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

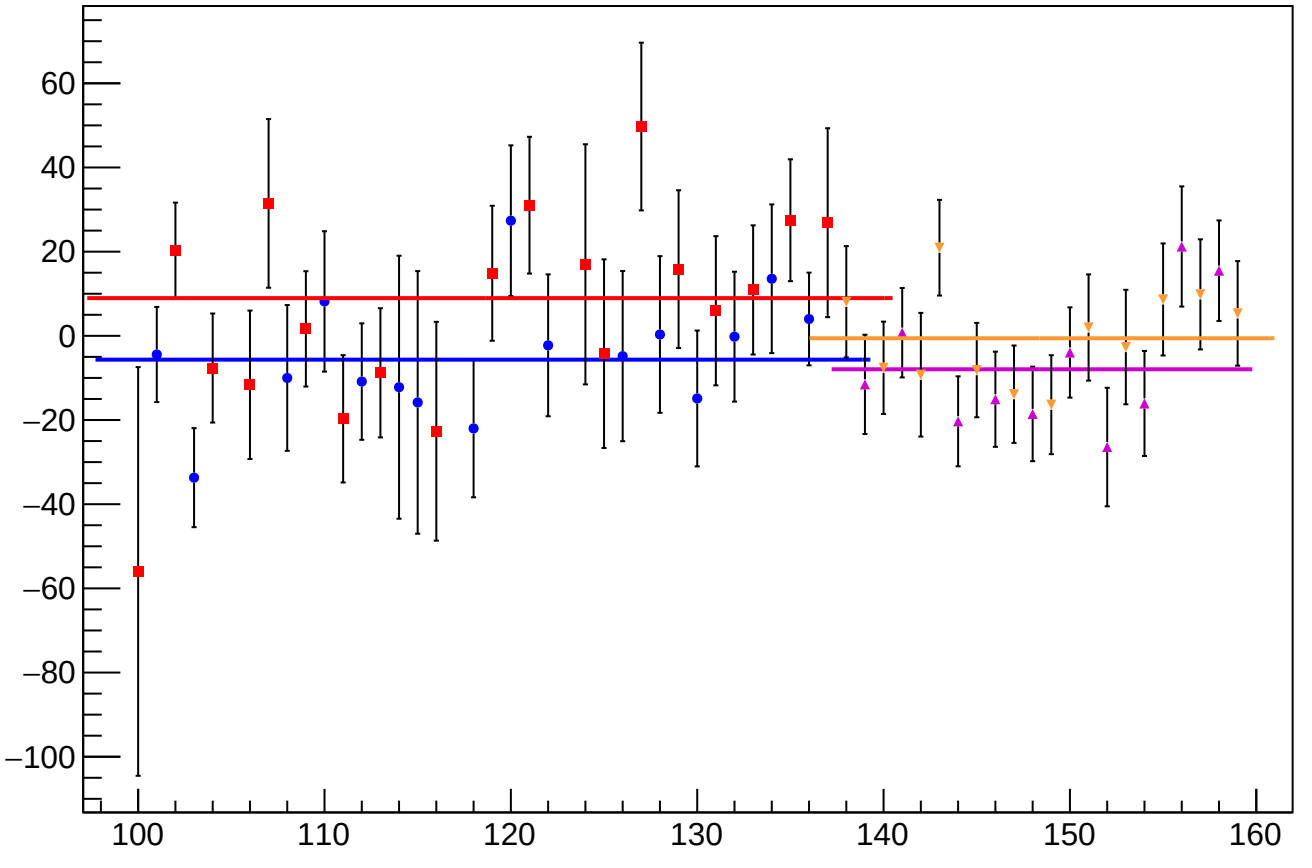
Left: 196.274+/-0.035 χ^2/NDF: 2761202.2/21

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.645+/-0.035 χ^2/NDF:2496016.1/25

Out: 194.199+/-0.036 χ^2/NDF:3100348.4/30

All: 189.338+/-0.025 χ^2/NDF: 5632821.6/56



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -0.573+/-3.563 χ^2/NDF:9.8/11

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -7.948+/-3.711 χ^2/NDF:13.7/9

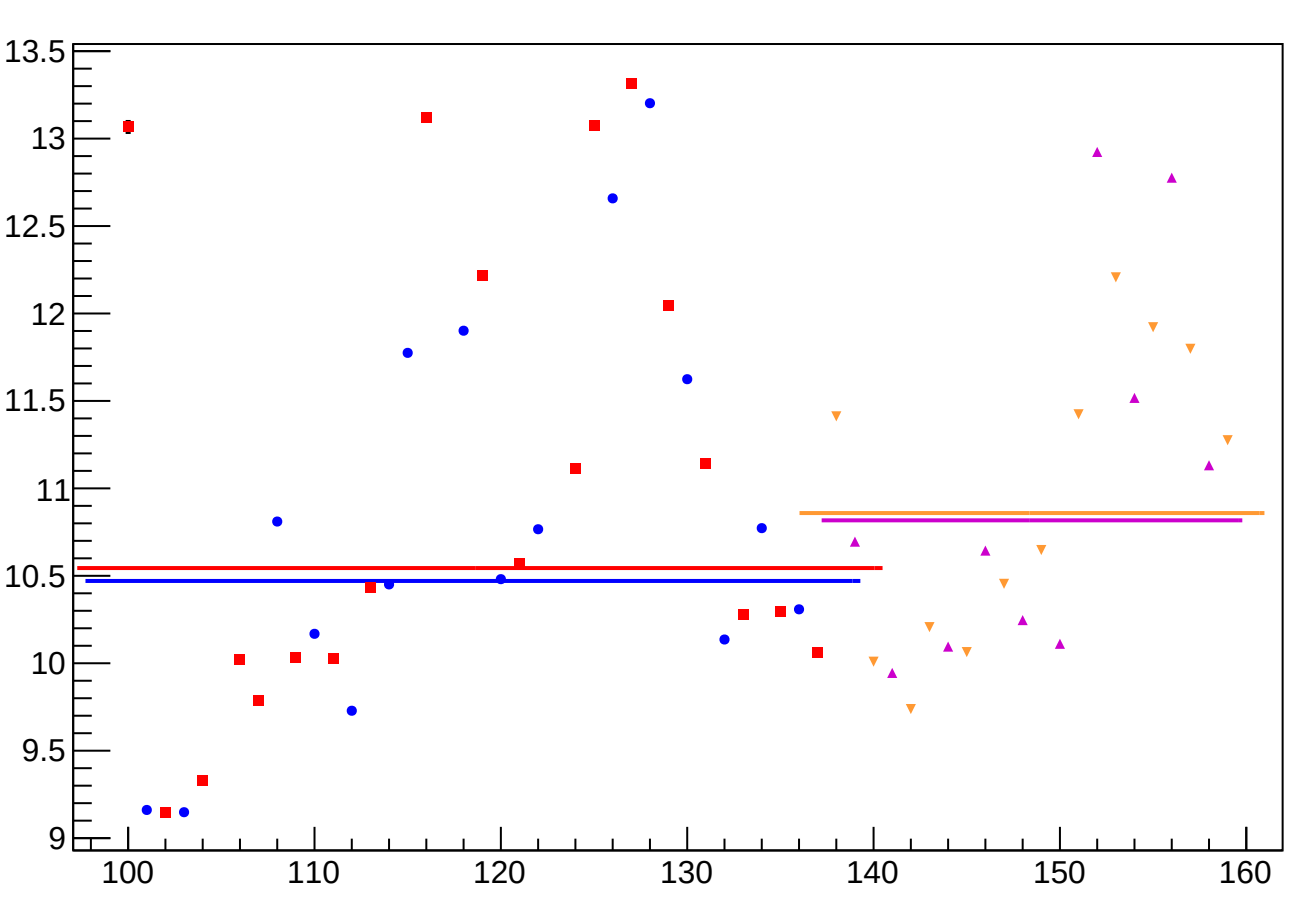
Left: -4.112+/-2.570 χ^2/NDF: 25.5/21

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.871+/-2.701 χ^2/NDF:27.5/25

Out: 3.763+/-2.631 χ^2/NDF:35.8/30

All: -1.414+/-1.885 χ^2/NDF: 71.3/56



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.859+/-0.003 χ^2/NDF:95869.0/11

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

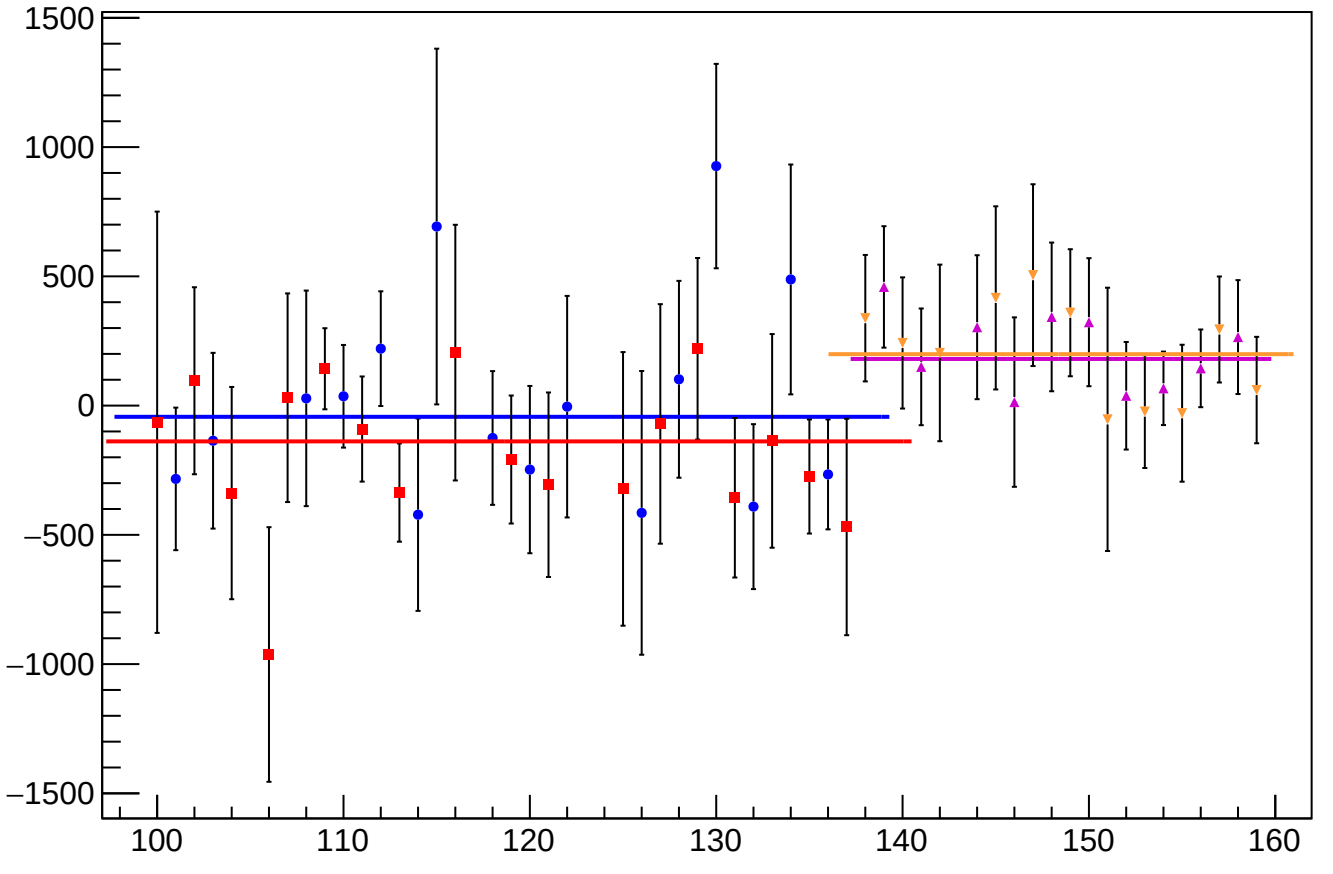
Left: 10.839+/-0.002 χ^2/NDF: 223208.8/21

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.654+/-0.002 χ^2/NDF:292776.6/25

Out: 10.716+/-0.002 χ^2/NDF:289736.1/30

All: 10.686+/-0.001 χ^2/NDF: 583046.0/56



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 198.979+/-79.069 χ^2/NDF:4.6/10

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 180.387+/-66.540 χ^2/NDF:3.8/9

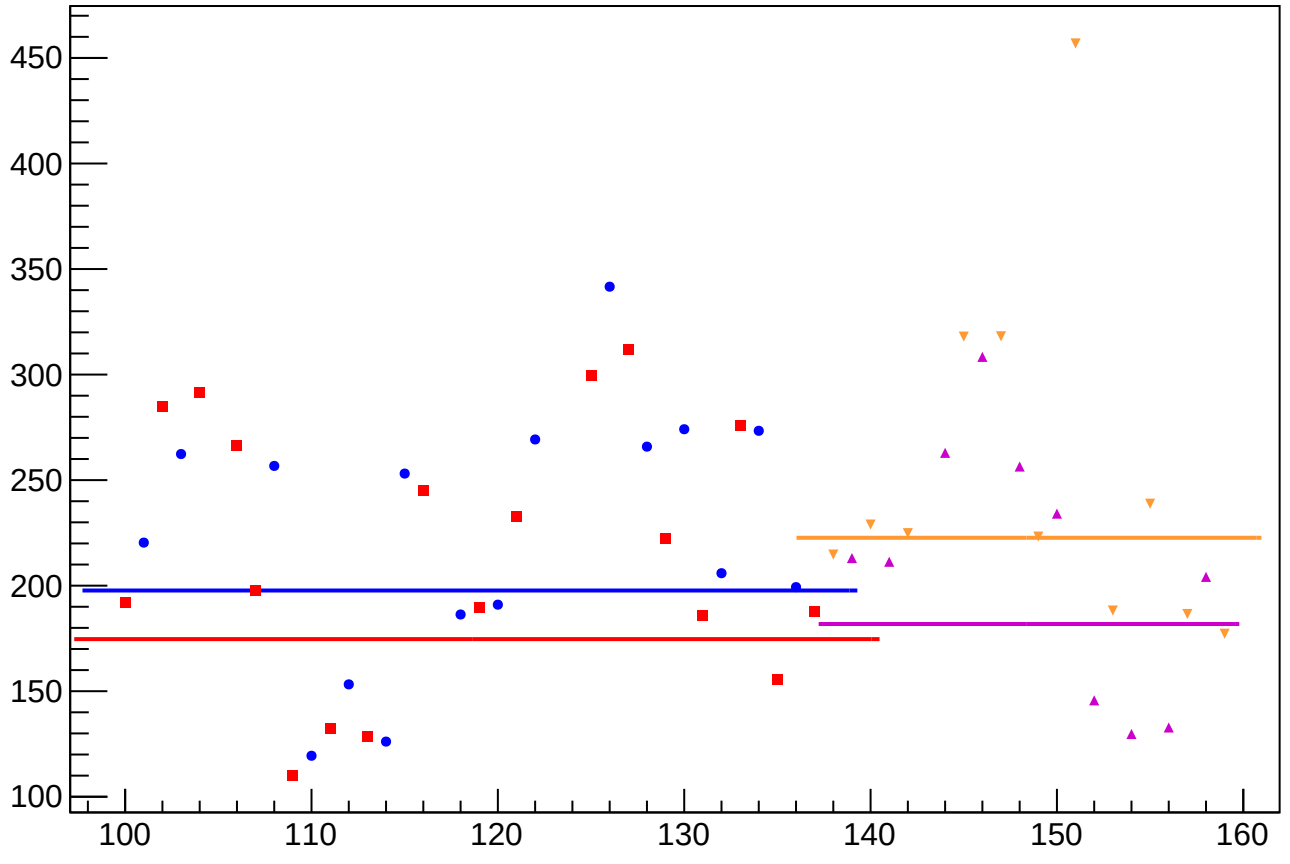
Left: 188.095+/-50.911 χ^2/NDF: 8.5/20

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 85.549+/-50.508 χ^2/NDF:24.1/25

Out: 9.412+/-52.342 χ^2/NDF:26.3/28

All: 48.837+/-36.346 χ^2/NDF: 51.5/54



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 222.687+/-0.056 χ^2/NDF:935394.9/10

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

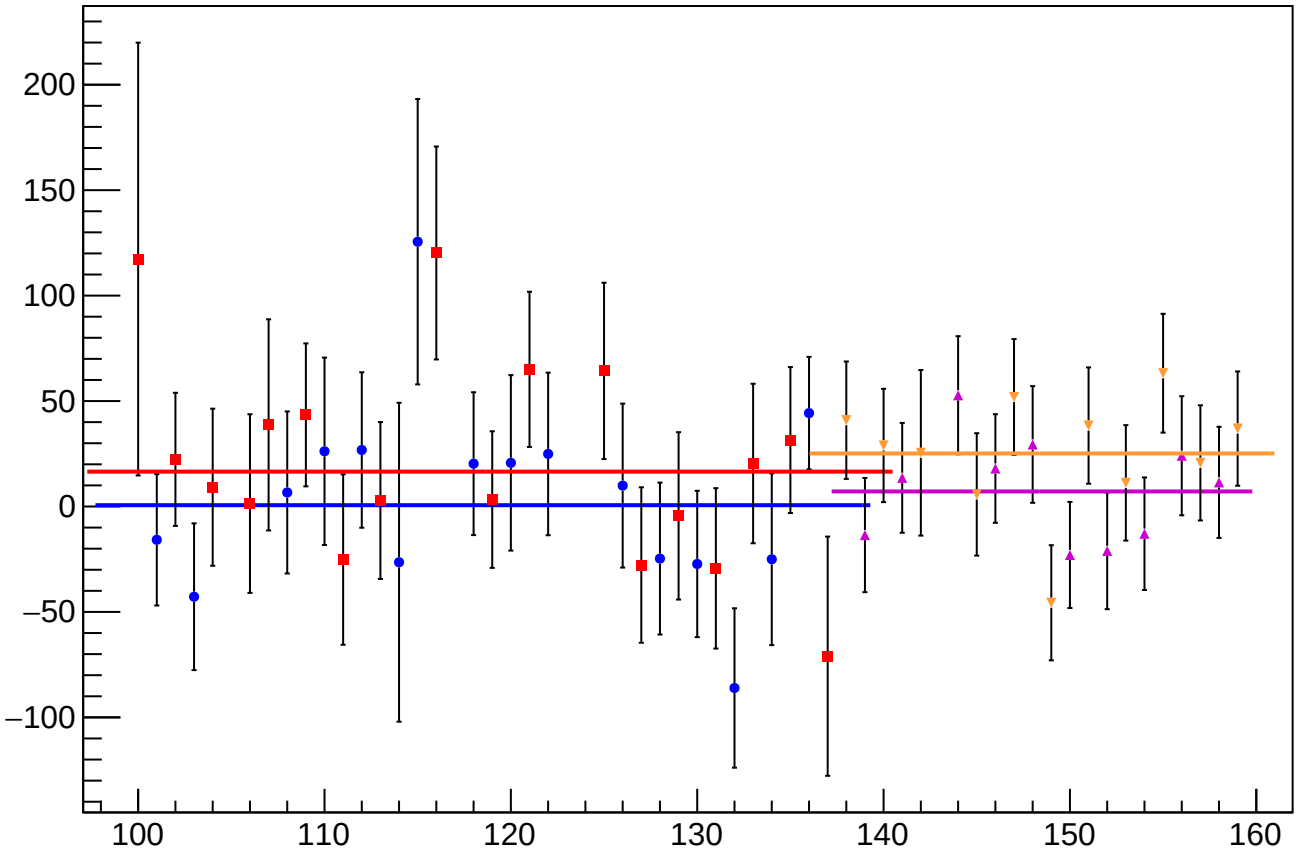
Left: 198.768+/-0.036 χ^2/NDF: 2571693.5/20

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 188.559+/-0.036 χ^2/NDF:2372256.0/25

Out: 195.717+/-0.037 χ^2/NDF:2884359.5/28

All: 192.010+/-0.026 χ^2/NDF: 5275983.8/54



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 25.149+/-8.516 χ^2/NDF:11.0/10

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 7.128+/-8.478 χ^2/NDF:7.5/9

Left: 16.099+/-6.008 χ^2/NDF: 20.8/20

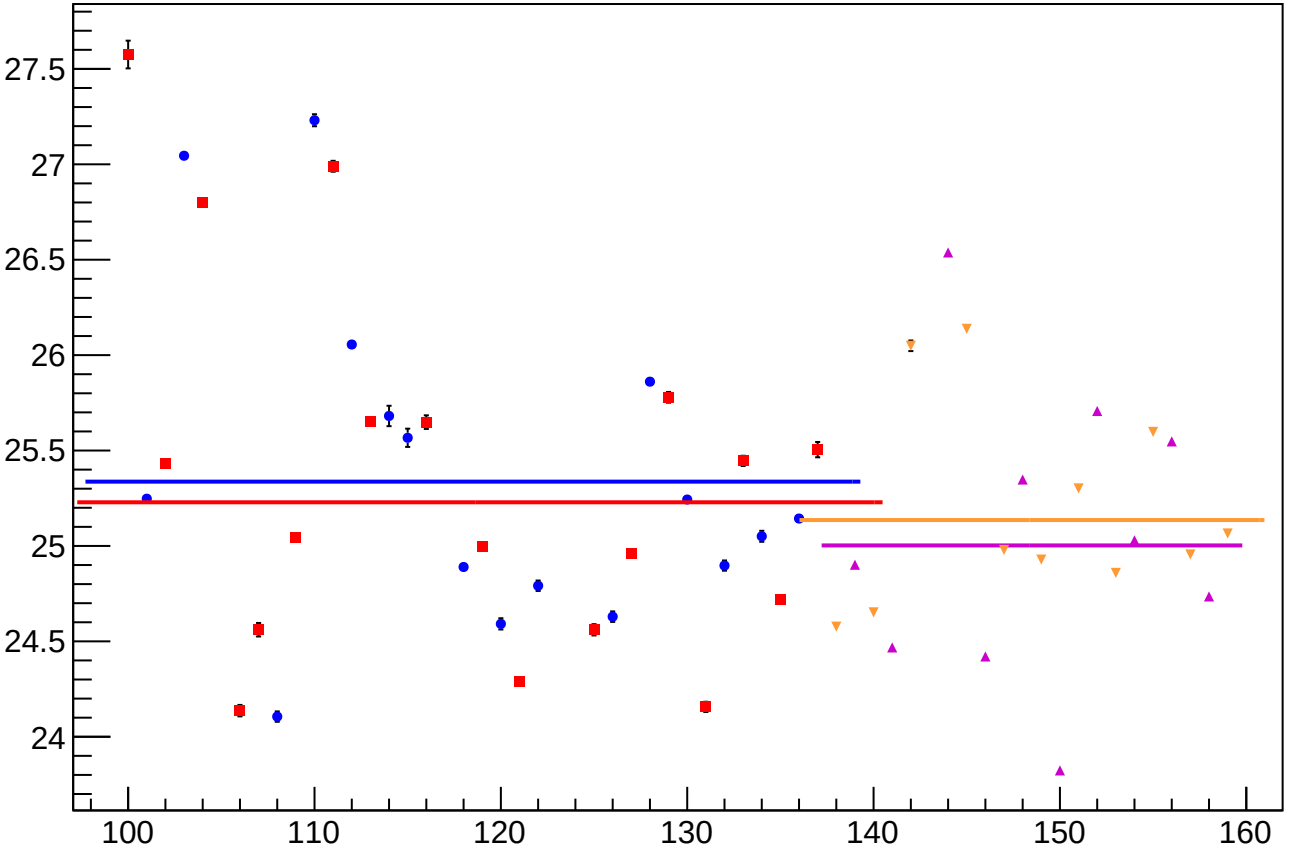
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 4.216+/-6.302 χ^2/NDF:24.5/25

Out: 21.223+/-6.283 χ^2/NDF:27.8/28

All: 12.746+/-4.449 χ^2/NDF: 56.0/54

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.136+/-0.006 χ^2/NDF:6016.6/10

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

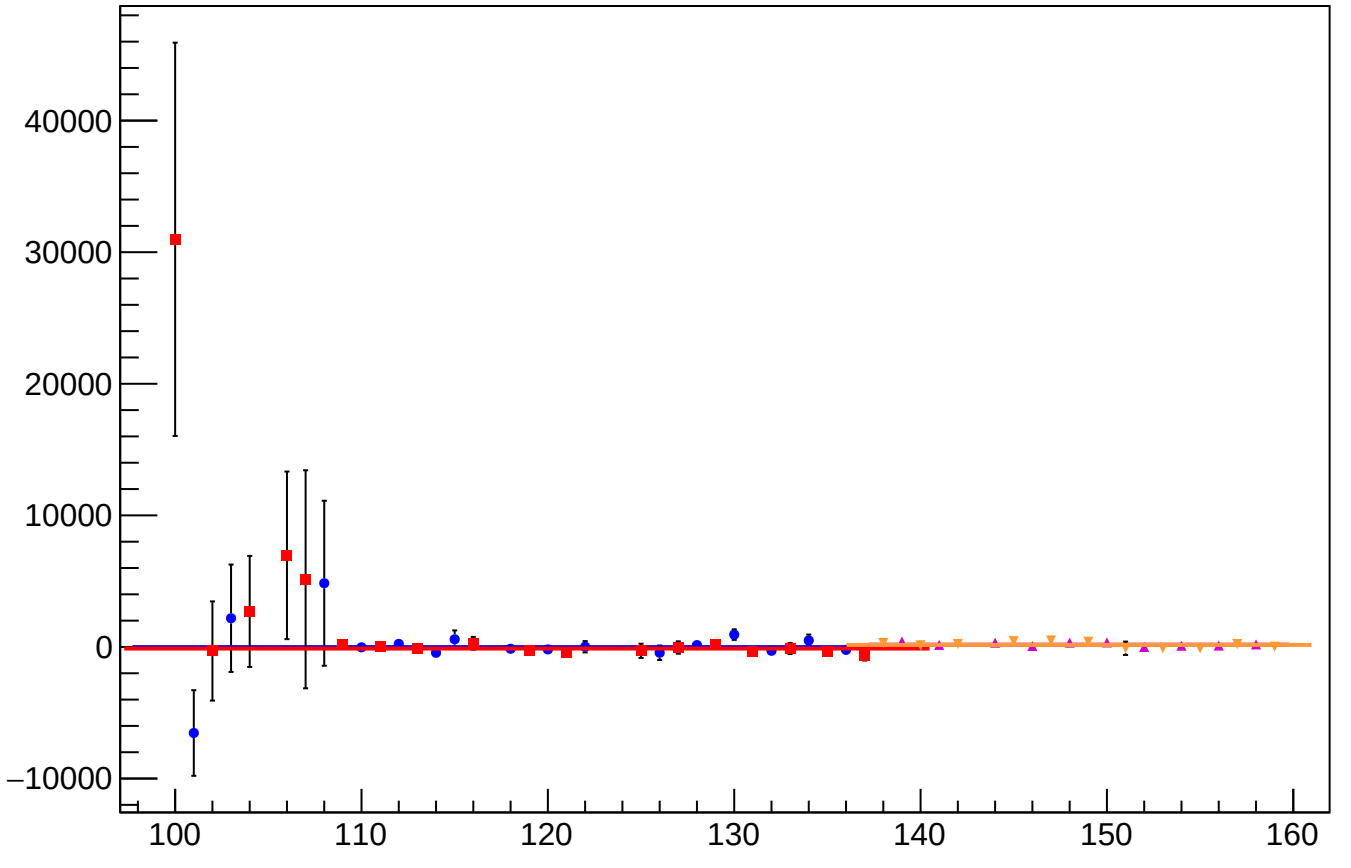
Left: 25.069+/-0.004 χ^2/NDF: 21117.3/20

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.152+/-0.004 χ^2/NDF:30562.3/25

Out: 25.178+/-0.004 χ^2/NDF:21301.6/28

All: 25.165+/-0.003 χ^2/NDF: 51880.8/54



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 156.096+/-80.636 χ^2/NDF:5.8/10

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 172.840+/-67.835 χ^2/NDF:3.4/9

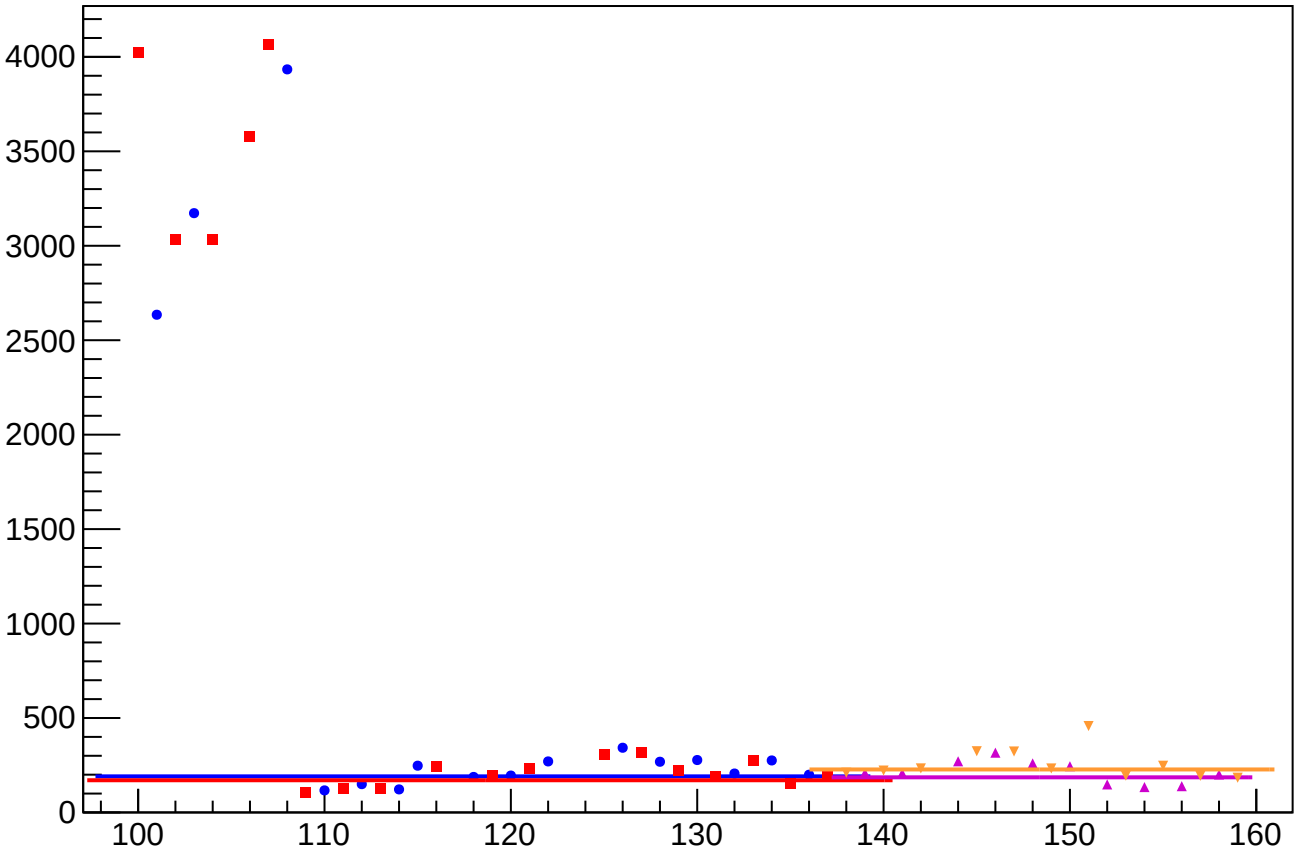
Left: 165.901+/-51.910 χ^2/NDF: 9.2/20

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 99.899+/-52.887 χ^2/NDF:24.7/25

Out: 13.906+/-56.155 χ^2/NDF:26.2/28

All: 59.477+/-38.500 χ^2/NDF: 52.1/54



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.635+/-0.057 χ^2/NDF:894364.4/10

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

Left: 203.229+/-0.037 χ^2/NDF: 2447476.2/20

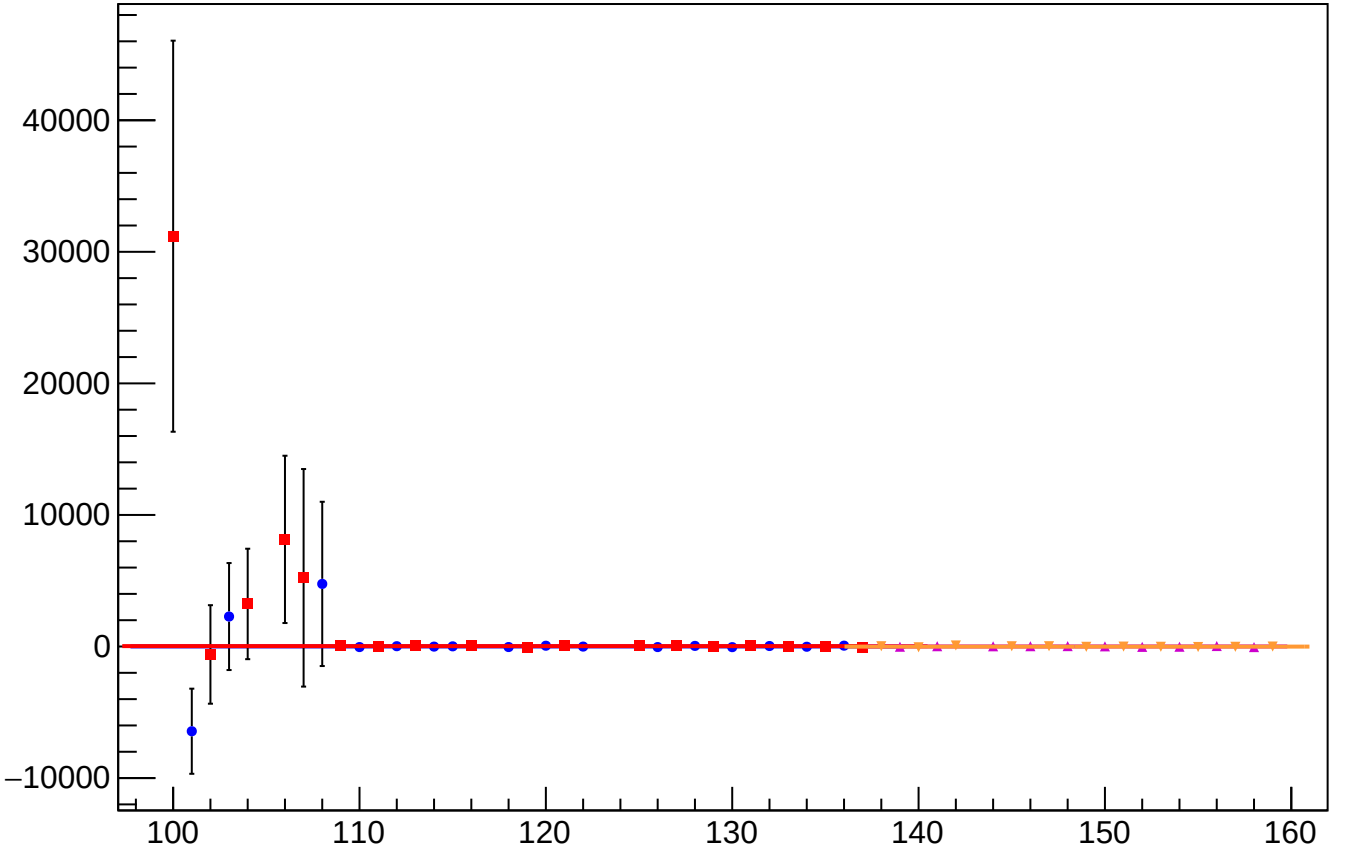
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.963+/-0.037 χ^2/NDF:5078663.6/25

Out: 198.205+/-0.040 χ^2/NDF:5666432.4/28

All: 192.777+/-0.027 χ^2/NDF: 10780356.7/54

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: -7.161+/-10.048 χ^2/NDF:9.8/10

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 3.734+/-10.054 χ^2/NDF:7.1/9

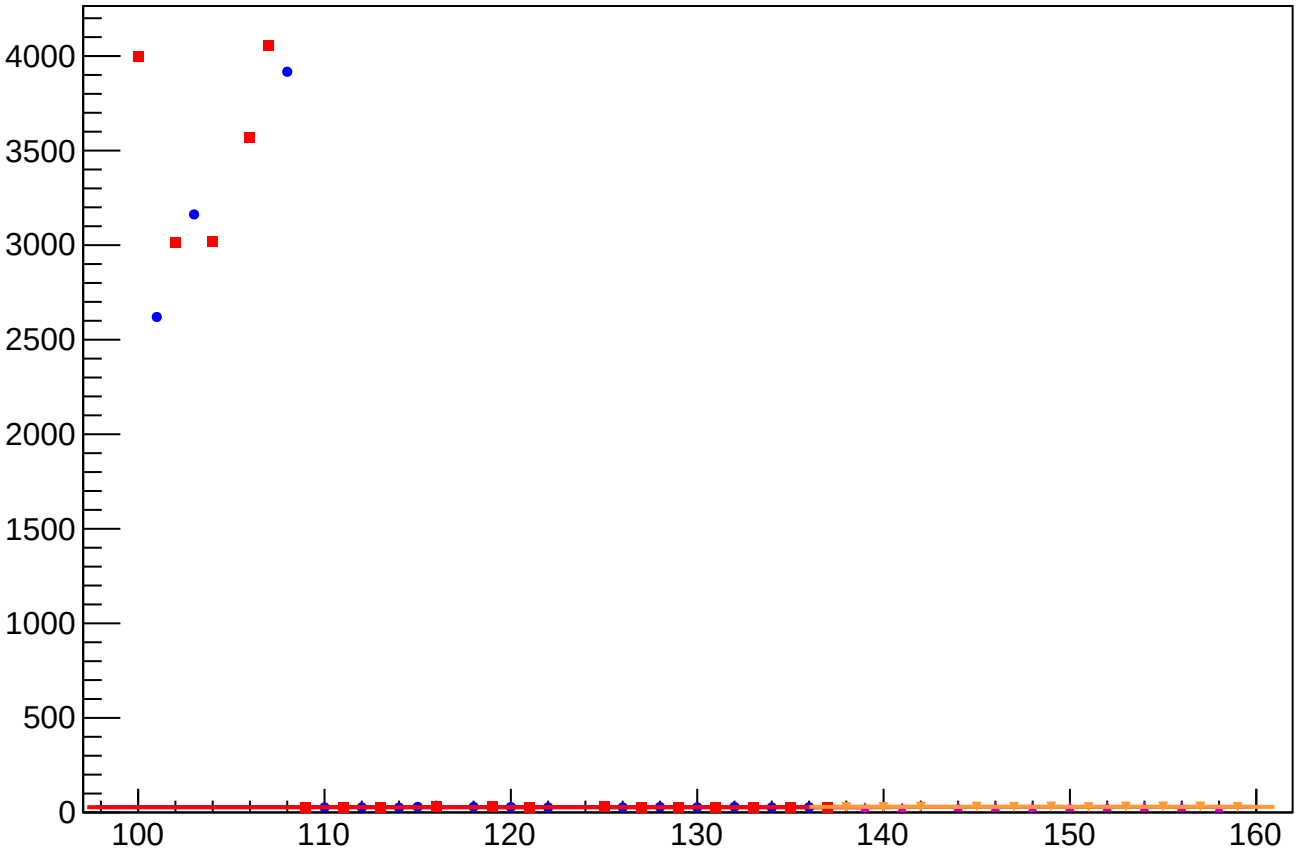
Left: -1.717+/-7.107 χ^2/NDF: 17.5/20

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 4.897+/-7.643 χ^2/NDF:25.5/25

Out: 8.332+/-7.726 χ^2/NDF:35.4/28

All: 6.596+/-5.434 χ^2/NDF: 61.0/54



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.606+/-0.007 χ^2/NDF:30005.4/10

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

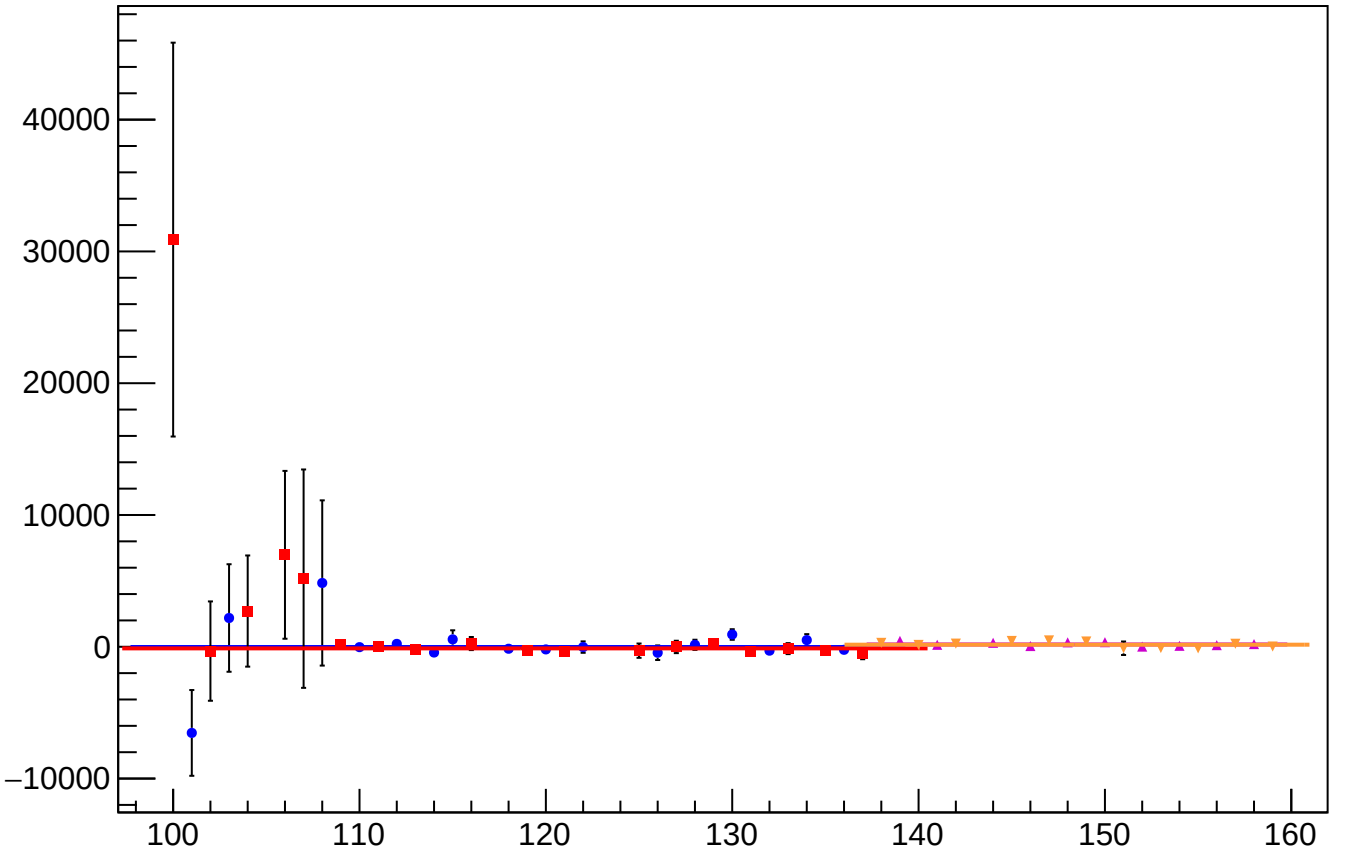
Left: 29.586+/-0.005 χ^2/NDF: 97485.1/20

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.831+/-0.005 χ^2/NDF:3358661.7/25

Out: 28.859+/-0.005 χ^2/NDF:3615446.6/28

All: 28.845+/-0.004 χ^2/NDF: 6974121.4/54



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 157.756+/-81.229 χ^2/NDF:5.8/10

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 175.294+/-68.458 χ^2/NDF:3.6/9

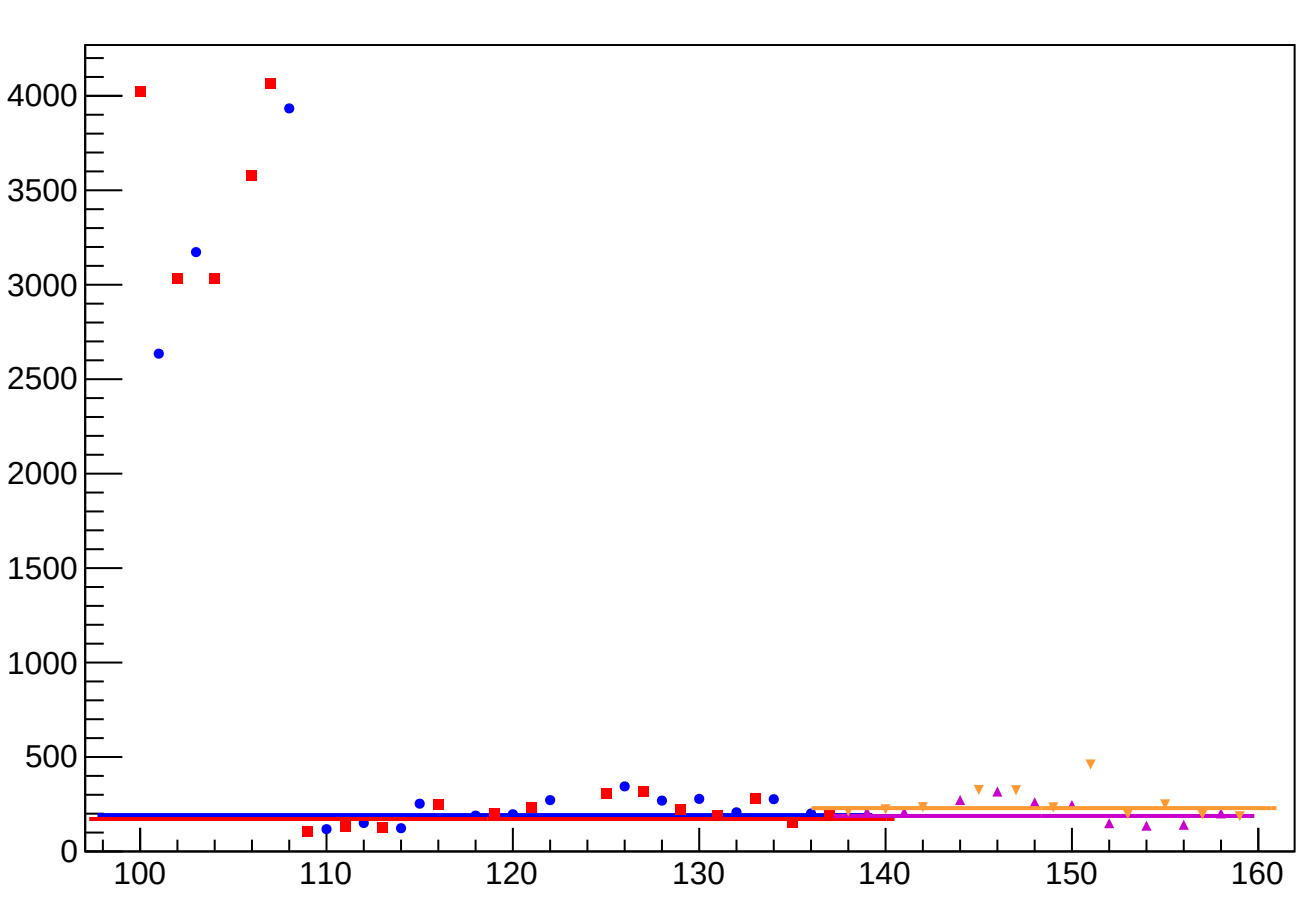
Left: 168.011+/-52.347 χ^2/NDF: 9.4/20

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 98.714+/-53.332 χ^2/NDF:25.0/25

Out: 13.946+/-56.575 χ^2/NDF:25.1/28

All: 58.830+/-38.807 χ^2/NDF: 51.3/54



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.450+/-0.057 χ^2/NDF:880628.4/10

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

Left: 205.167+/-0.037 χ^2/NDF: 2390006.7/20

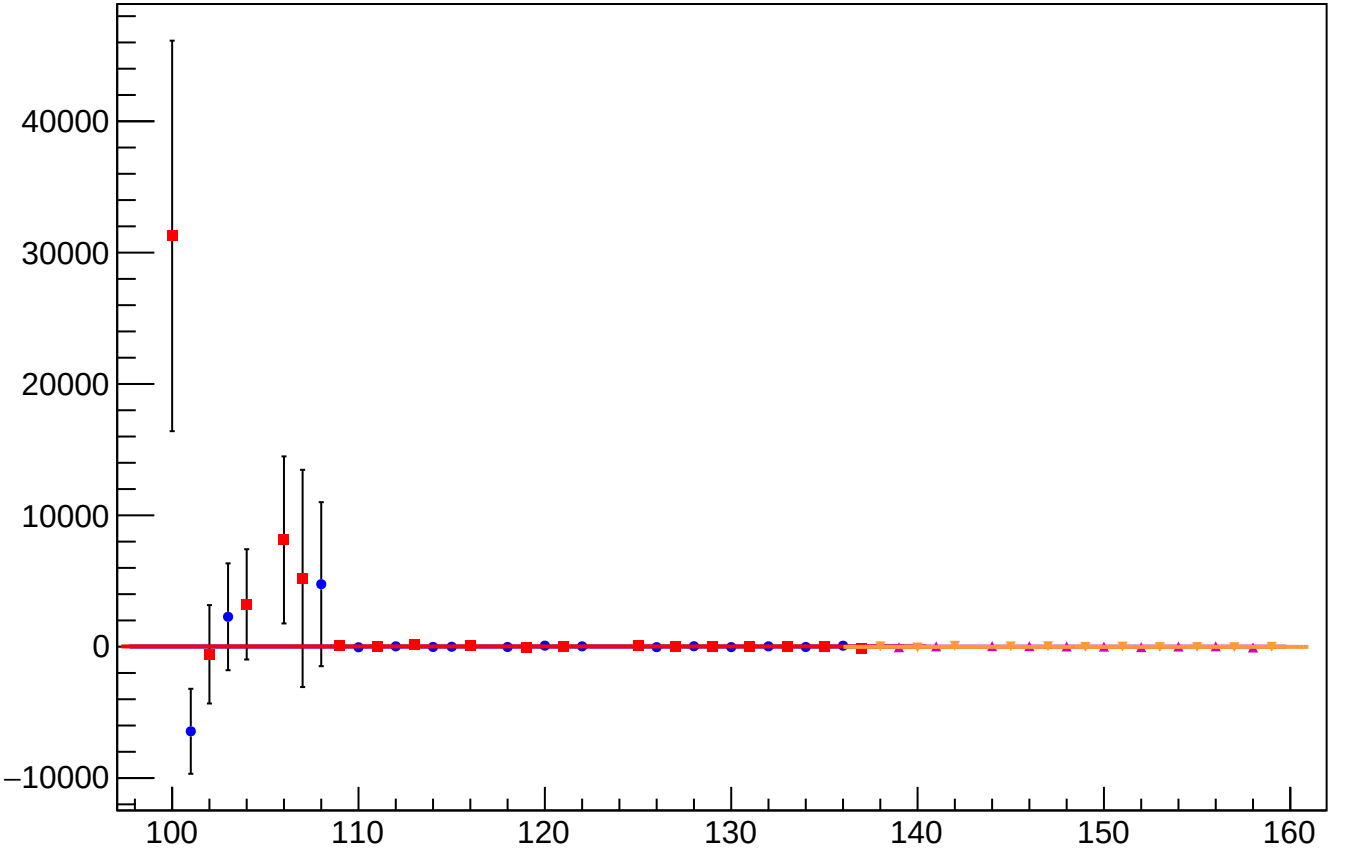
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.743+/-0.038 χ^2/NDF:5030083.9/25

Out: 199.817+/-0.040 χ^2/NDF:5645371.9/28

All: 194.483+/-0.027 χ^2/NDF: 10709030.4/54

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.288+/-10.741 χ^2/NDF:9.7/10

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 4.627+/-10.780 χ^2/NDF:10.6/9

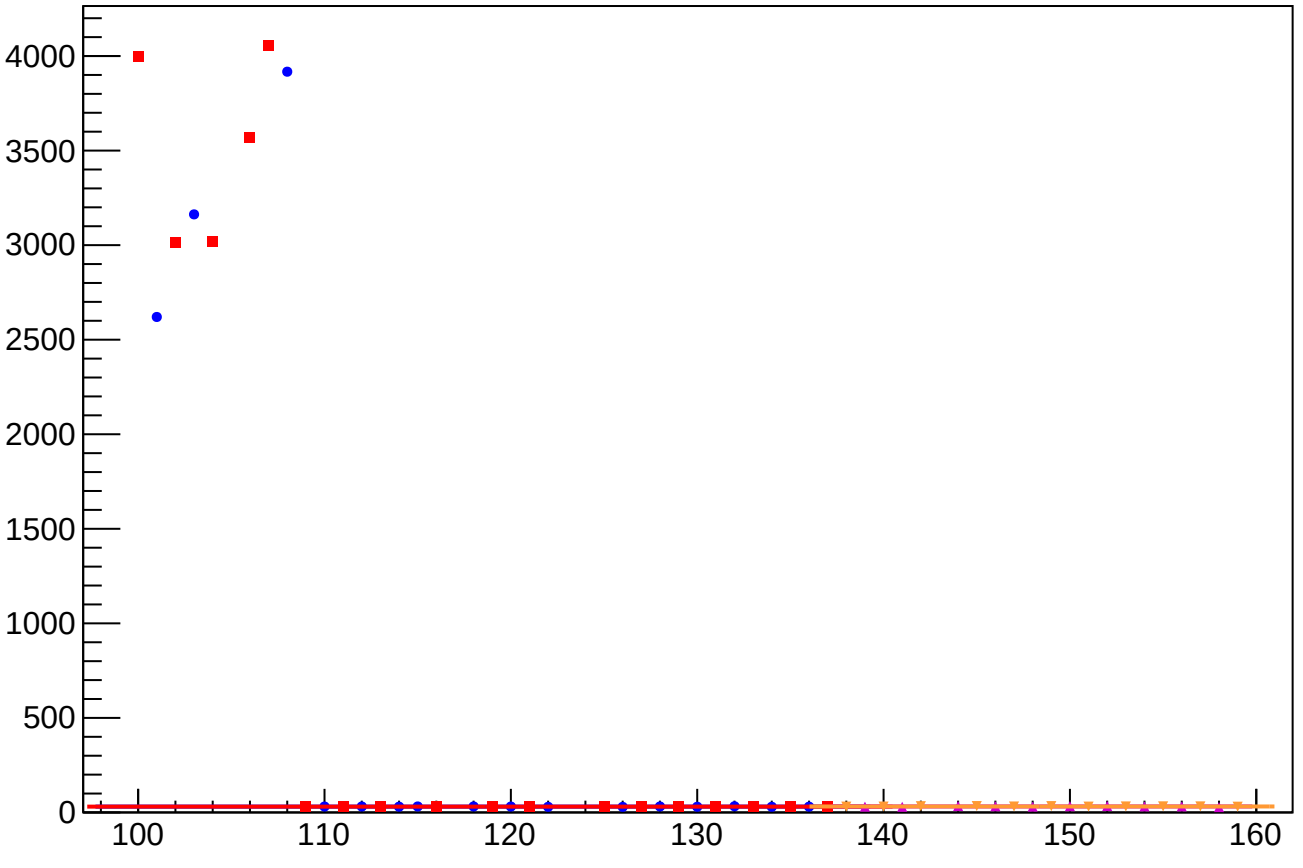
Left: -3.861+/-7.609 χ^2/NDF: 21.6/20

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 8.308+/-8.314 χ^2/NDF:26.4/25

Out: 1.109+/-8.376 χ^2/NDF:42.1/28

All: 4.735+/-5.901 χ^2/NDF: 68.8/54



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.667+/-0.008 χ^2/NDF:19266.7/10

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

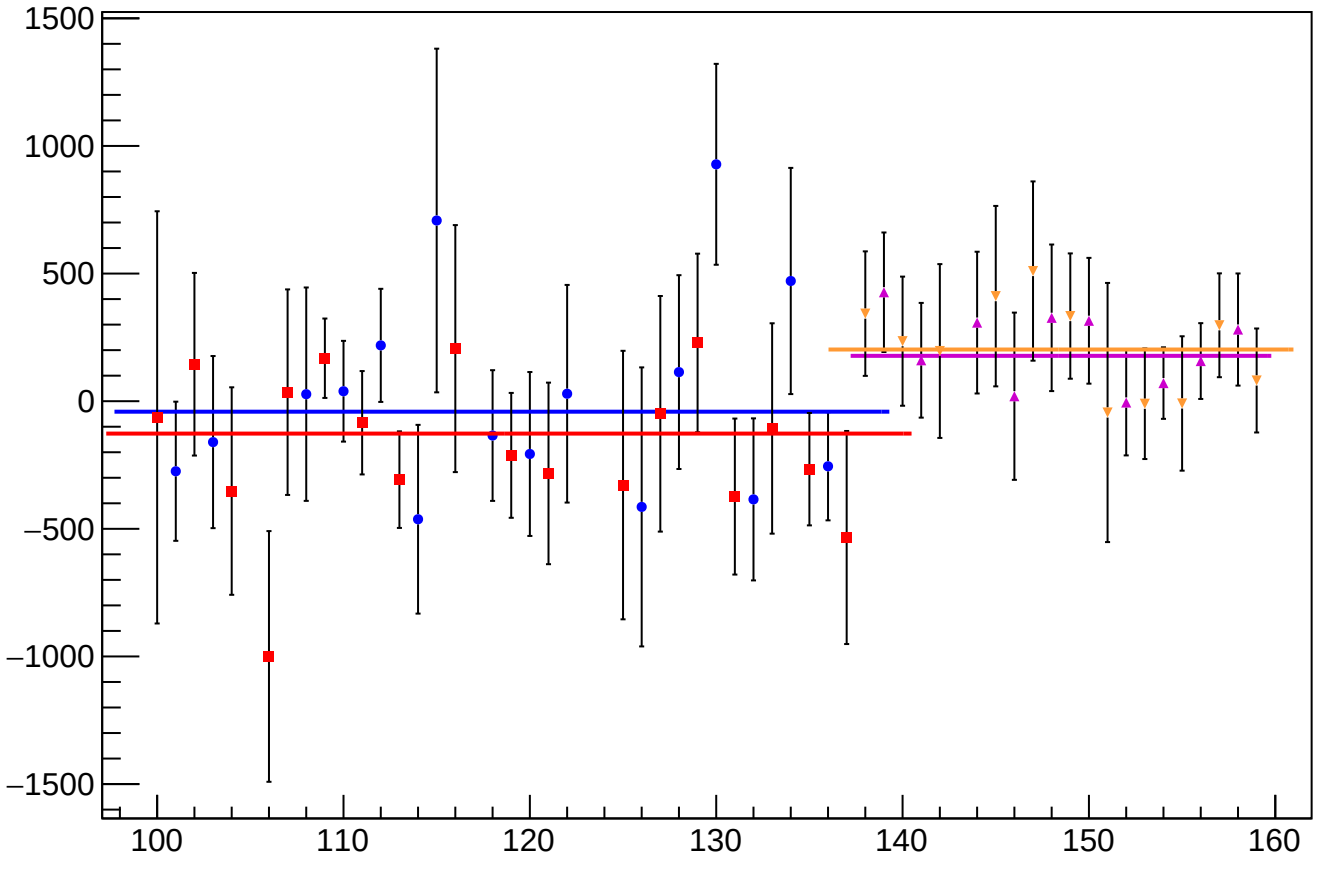
Left: 31.691+/-0.005 χ^2/NDF: 72423.7/20

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.396+/-0.006 χ^2/NDF:3310056.4/25

Out: 31.329+/-0.006 χ^2/NDF:3560286.0/28

All: 31.363+/-0.004 χ^2/NDF: 6870407.1/54



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 202.466+/-78.649 χ^2/NDF:4.2/10

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 177.698+/-66.045 χ^2/NDF:3.8/9

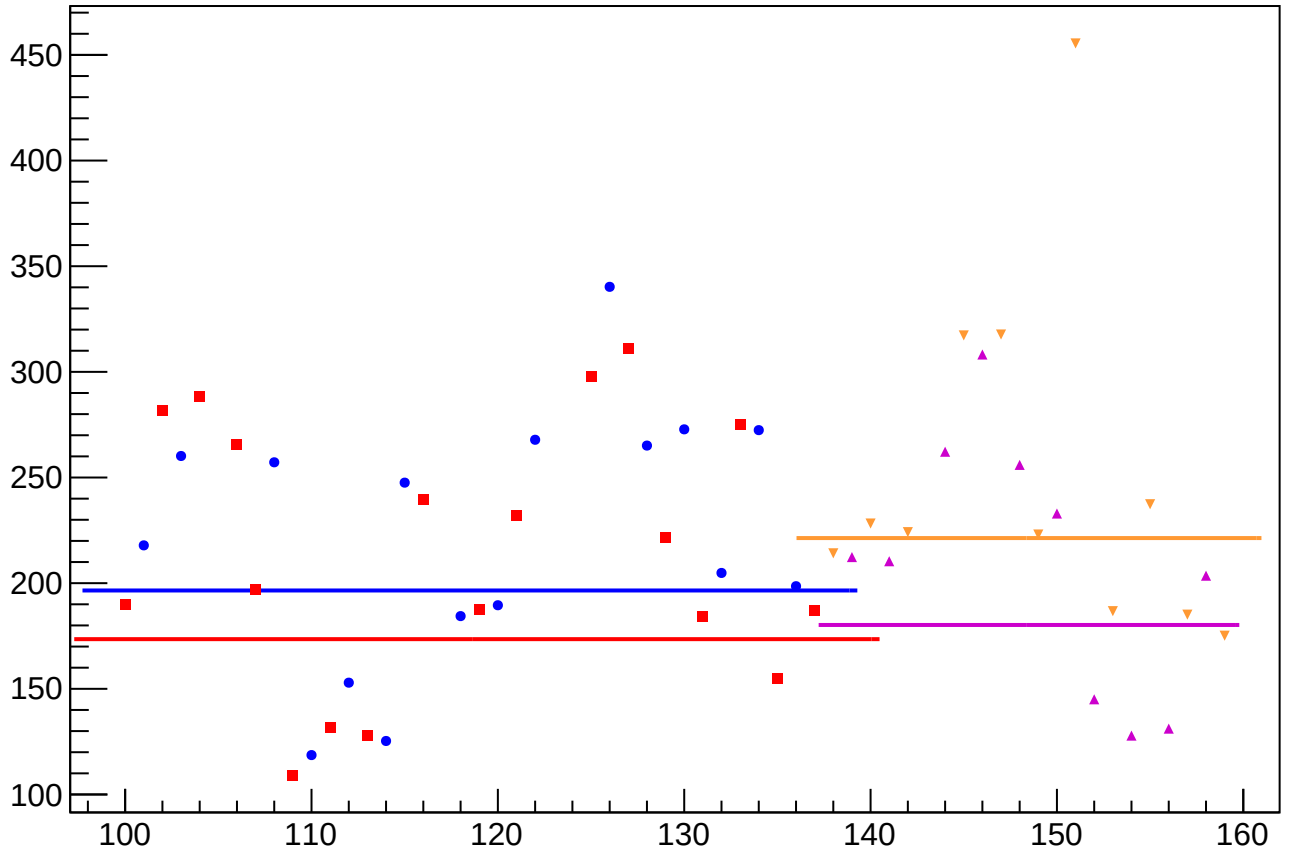
Left: 187.941+/-50.578 χ^2/NDF: 8.0/20

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 85.144+/-50.169 χ^2/NDF:24.0/25

Out: 17.248+/-52.030 χ^2/NDF:26.8/28

All: 52.432+/-36.115 χ^2/NDF: 51.7/54



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.344+/-0.056 χ^2/NDF:951298.5/10

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

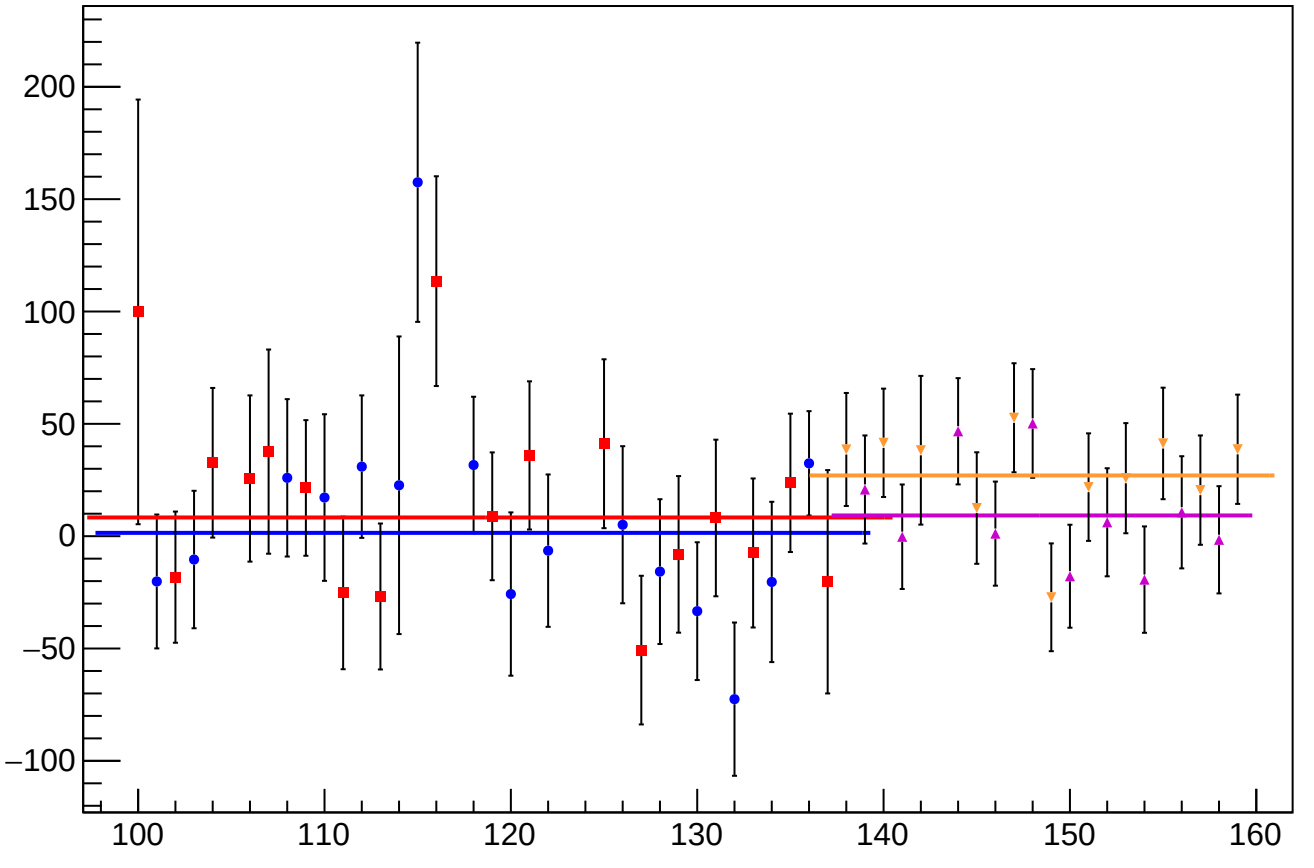
Left: 197.228+/-0.036 χ^2/NDF: 2634039.1/20

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 187.125+/-0.035 χ^2/NDF:2414521.0/25

Out: 194.444+/-0.037 χ^2/NDF:2900062.3/28

All: 190.651+/-0.026 χ^2/NDF: 5335091.0/54



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 27.028+/-7.520 χ^2/NDF:7.9/10

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 9.222+/-7.513 χ^2/NDF:9.0/9

Left: 18.117+/-5.315 χ^2/NDF: 19.7/20

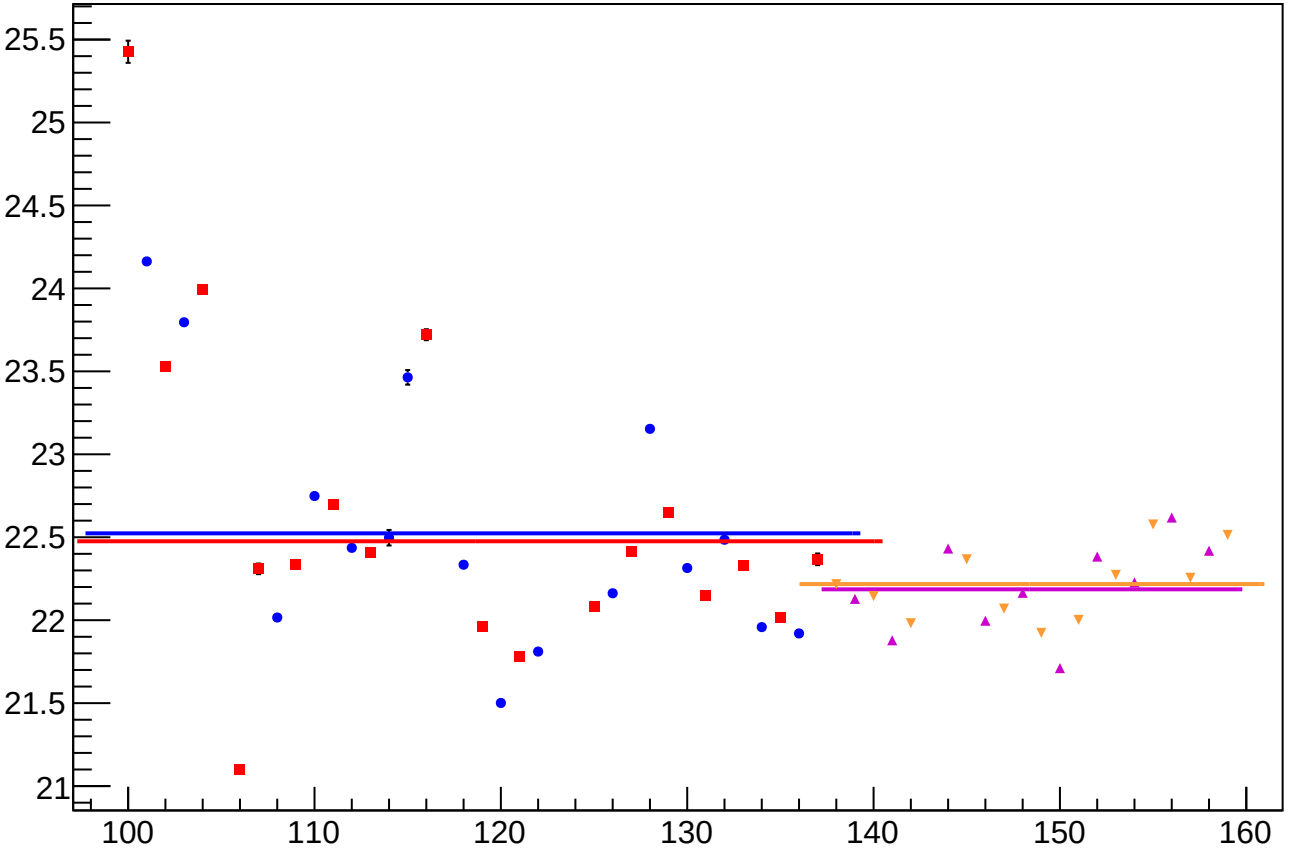
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.765+/-5.591 χ^2/NDF:28.1/25

Out: 18.582+/-5.569 χ^2/NDF:26.8/28

All: 12.200+/-3.946 χ^2/NDF: 57.5/54

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: 22.218+/-0.005 χ^2/NDF:1461.0/10

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

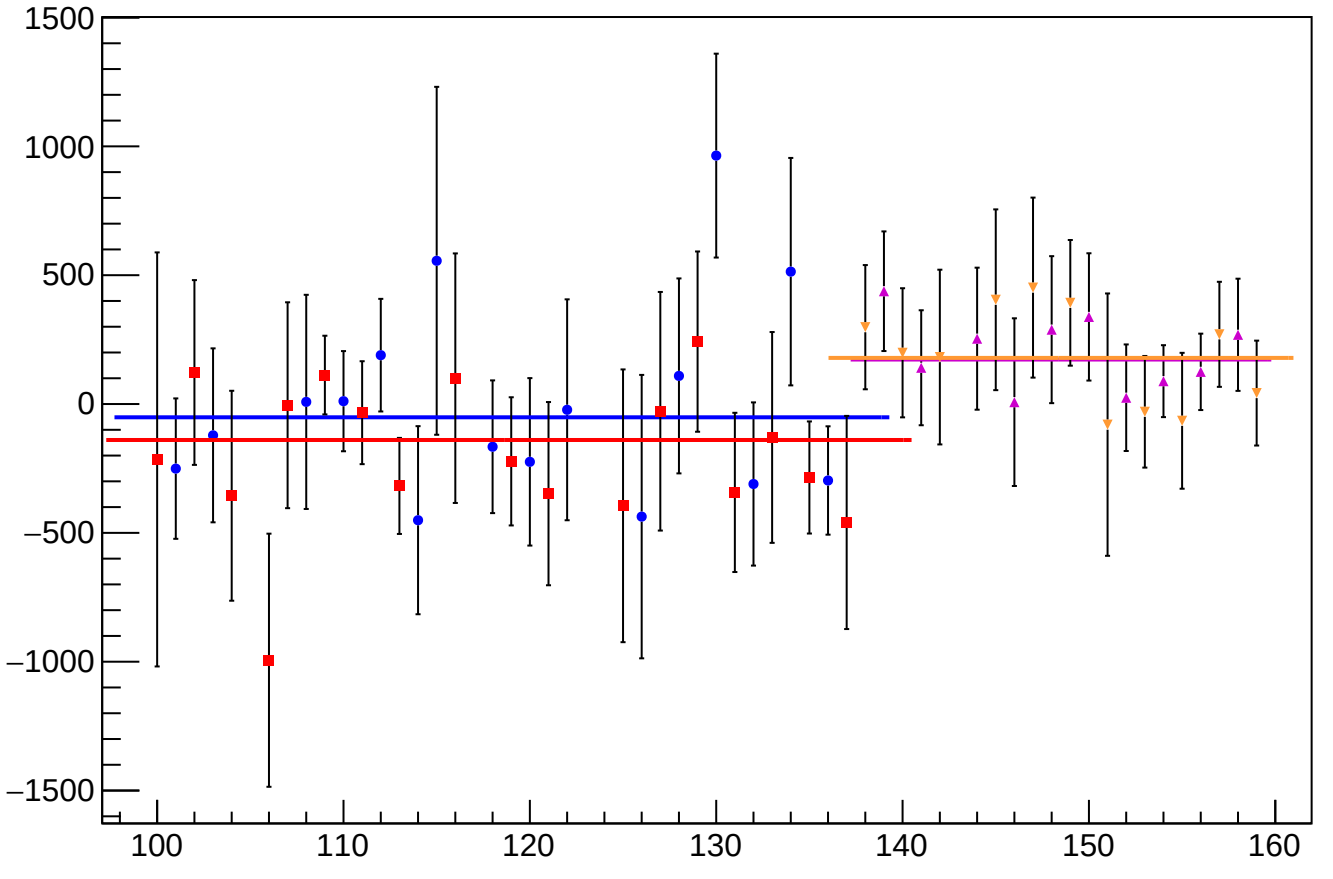
Left: 22.202+/-0.004 χ^2/NDF: 3981.1/20

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.337+/-0.004 χ^2/NDF:20250.9/25

Out: 22.334+/-0.004 χ^2/NDF:18059.8/28

All: 22.335+/-0.003 χ^2/NDF: 38310.9/54



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 179.020+/-78.389 χ^2/NDF:4.7/10

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 172.680+/-65.759 χ^2/NDF:3.5/9

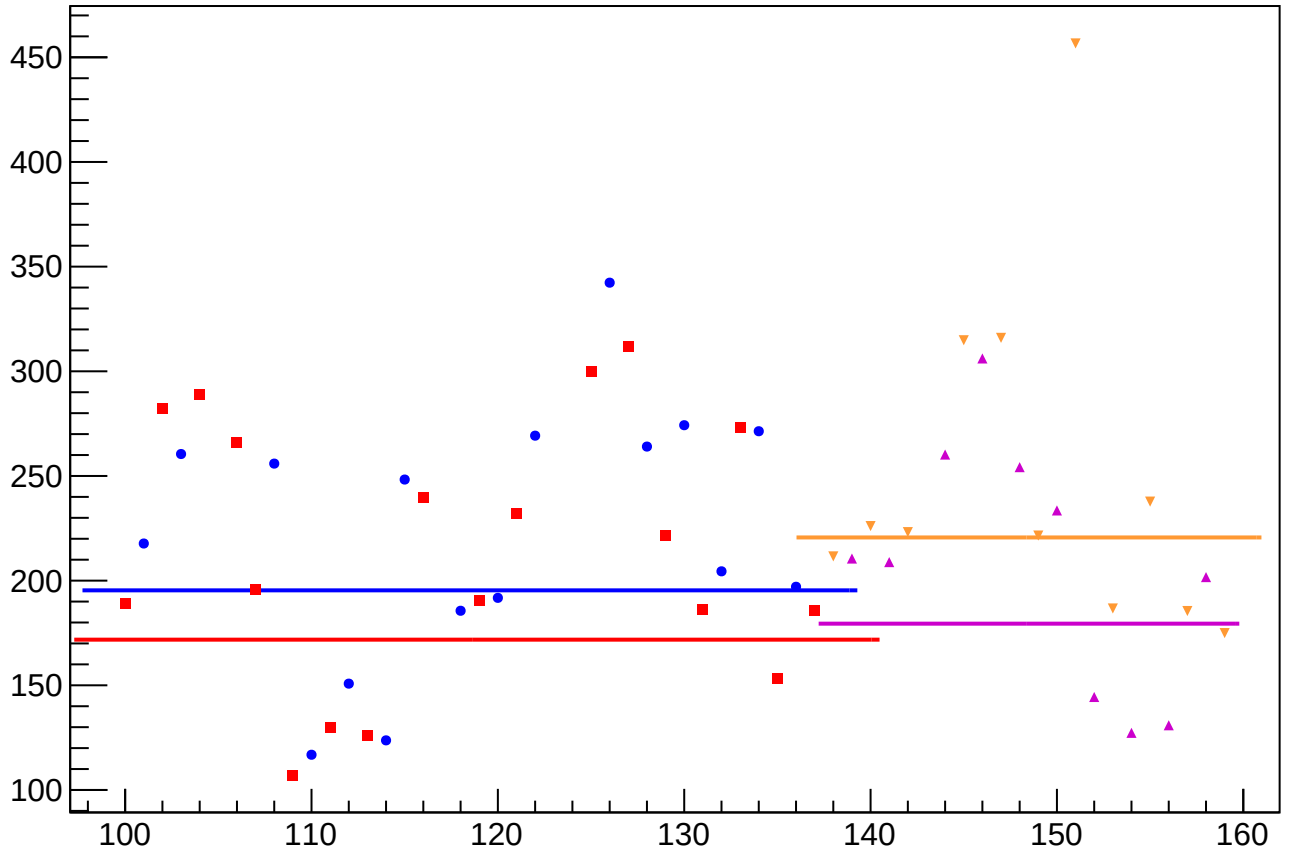
Left: 175.299+/-50.380 χ^2/NDF: 8.2/20

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 77.850+/-49.950 χ^2/NDF:23.7/25

Out: -0.729+/-51.746 χ^2/NDF:25.6/28

All: 39.948+/-35.938 χ^2/NDF: 50.5/54



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 220.630+/-0.055 χ^2/NDF:944669.0/10

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

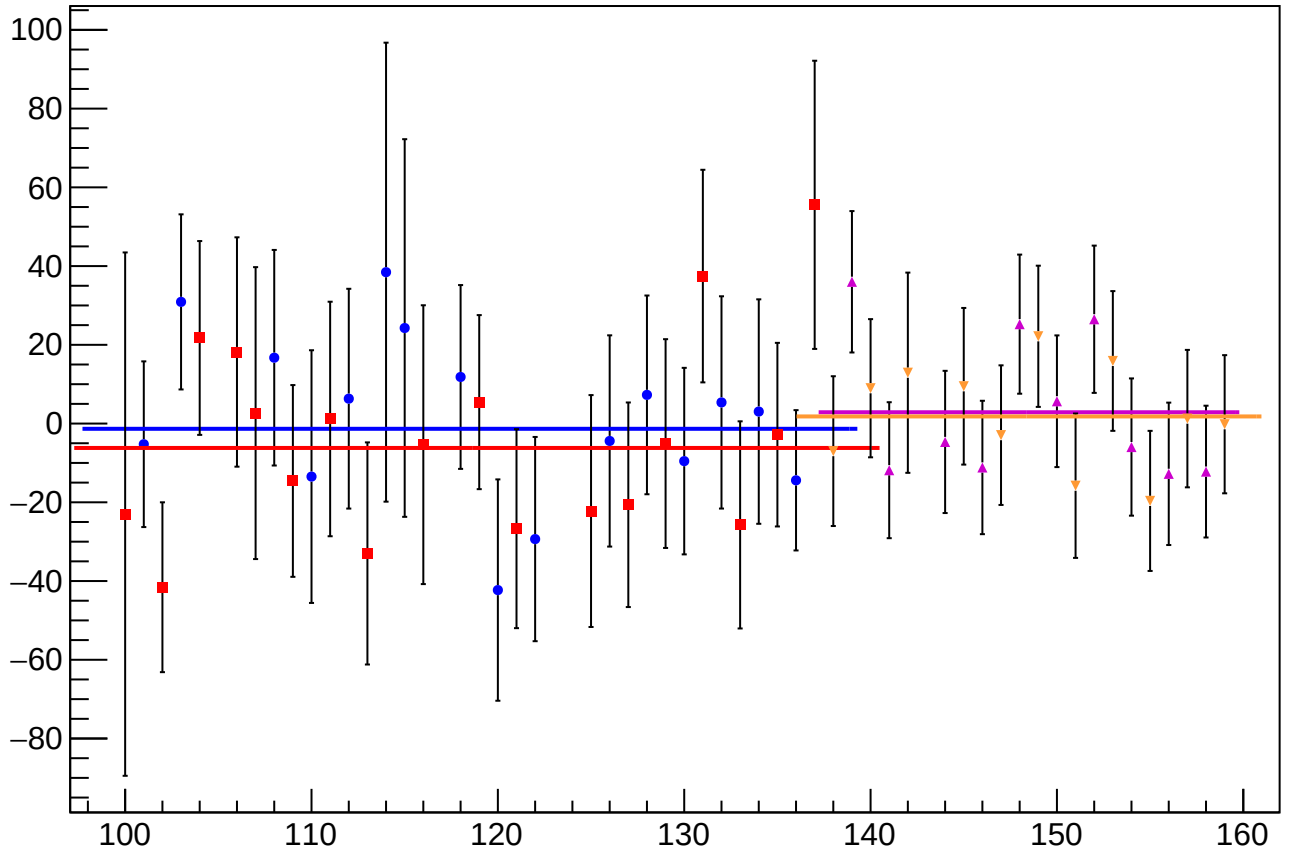
Left: 196.456+/-0.036 χ^2/NDF: 2619529.2/20

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 186.177+/-0.035 χ^2/NDF:2441802.2/25

Out: 193.081+/-0.037 χ^2/NDF:2983128.8/28

All: 189.507+/-0.025 χ^2/NDF: 5443358.6/54



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.809+/-5.572 χ^2/NDF:5.1/10

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 2.870+/-5.542 χ^2/NDF:10.0/9

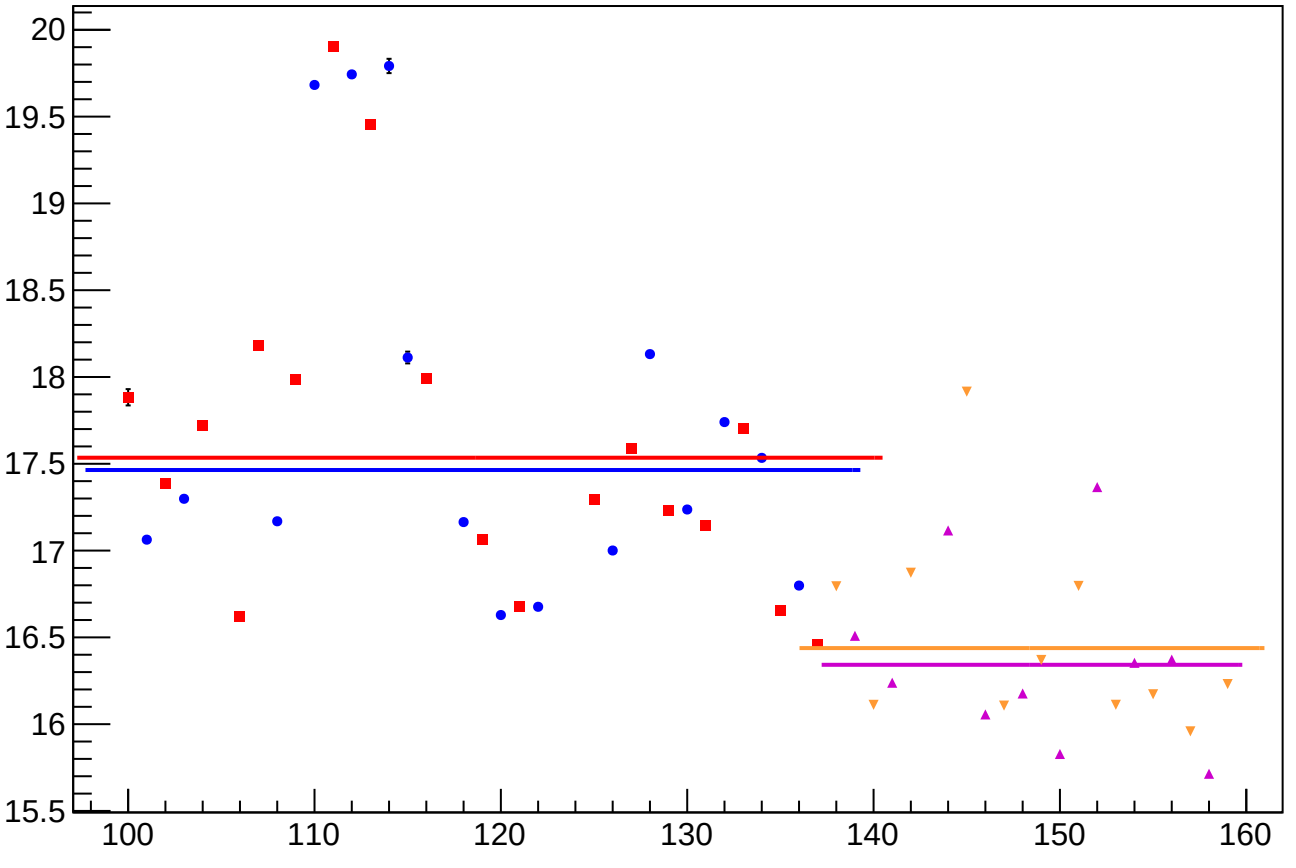
Left: 2.343+/-3.929 χ^2/NDF: 15.2/20

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.101+/-4.217 χ^2/NDF:18.3/25

Out: -1.597+/-4.223 χ^2/NDF:19.4/28

All: -0.246+/-2.984 χ^2/NDF: 37.9/54



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.438+/-0.004 χ^2/NDF:17408.6/10

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

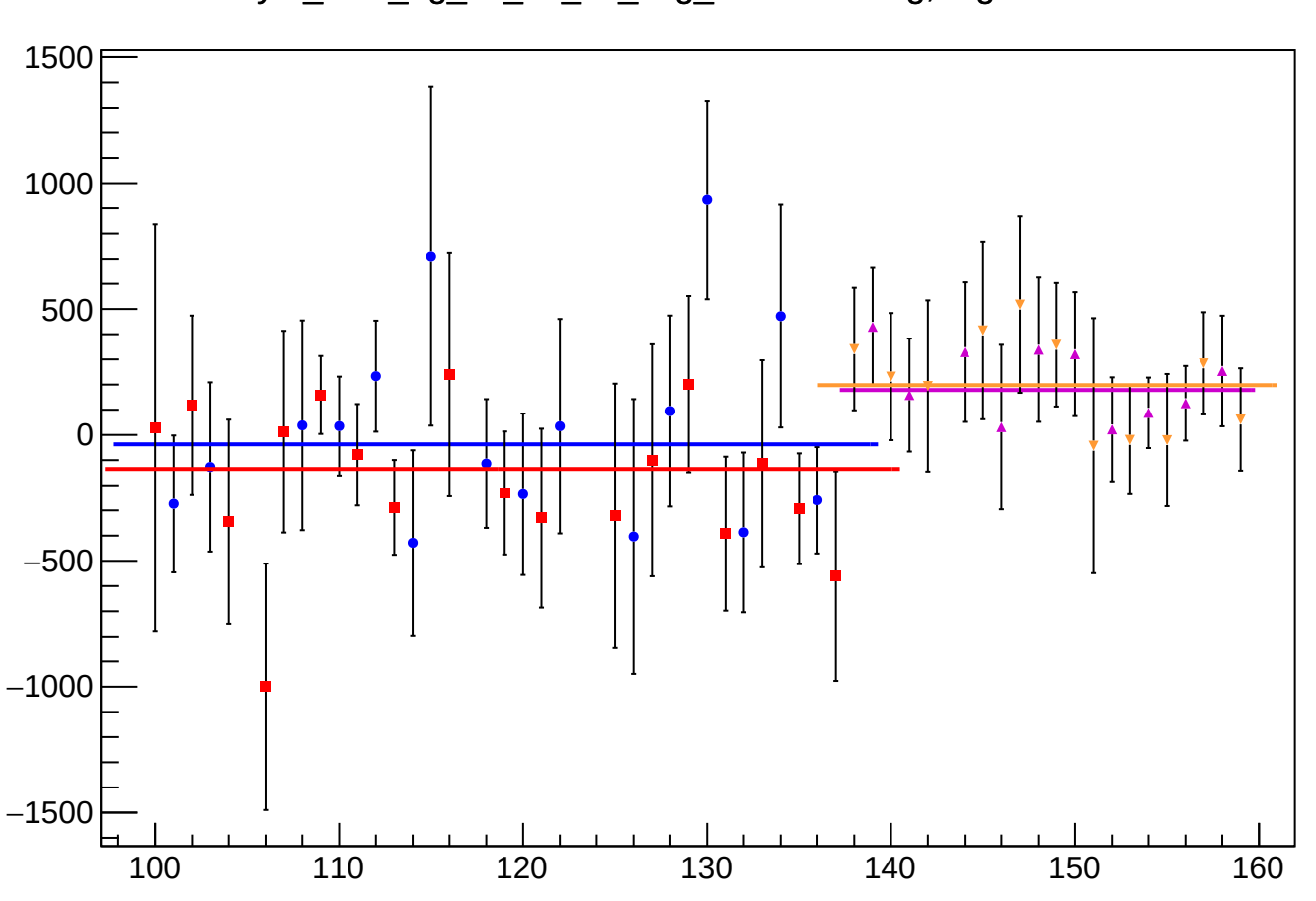
Left: 16.390+/-0.003 χ^2/NDF: 33067.6/20

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.814+/-0.003 χ^2/NDF:86535.1/25

Out: 16.905+/-0.003 χ^2/NDF:84863.5/28

All: 16.860+/-0.002 χ^2/NDF: 171859.5/54



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 197.653+/-78.467 χ^2/NDF:4.6/10

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 178.273+/-65.920 χ^2/NDF:3.5/9

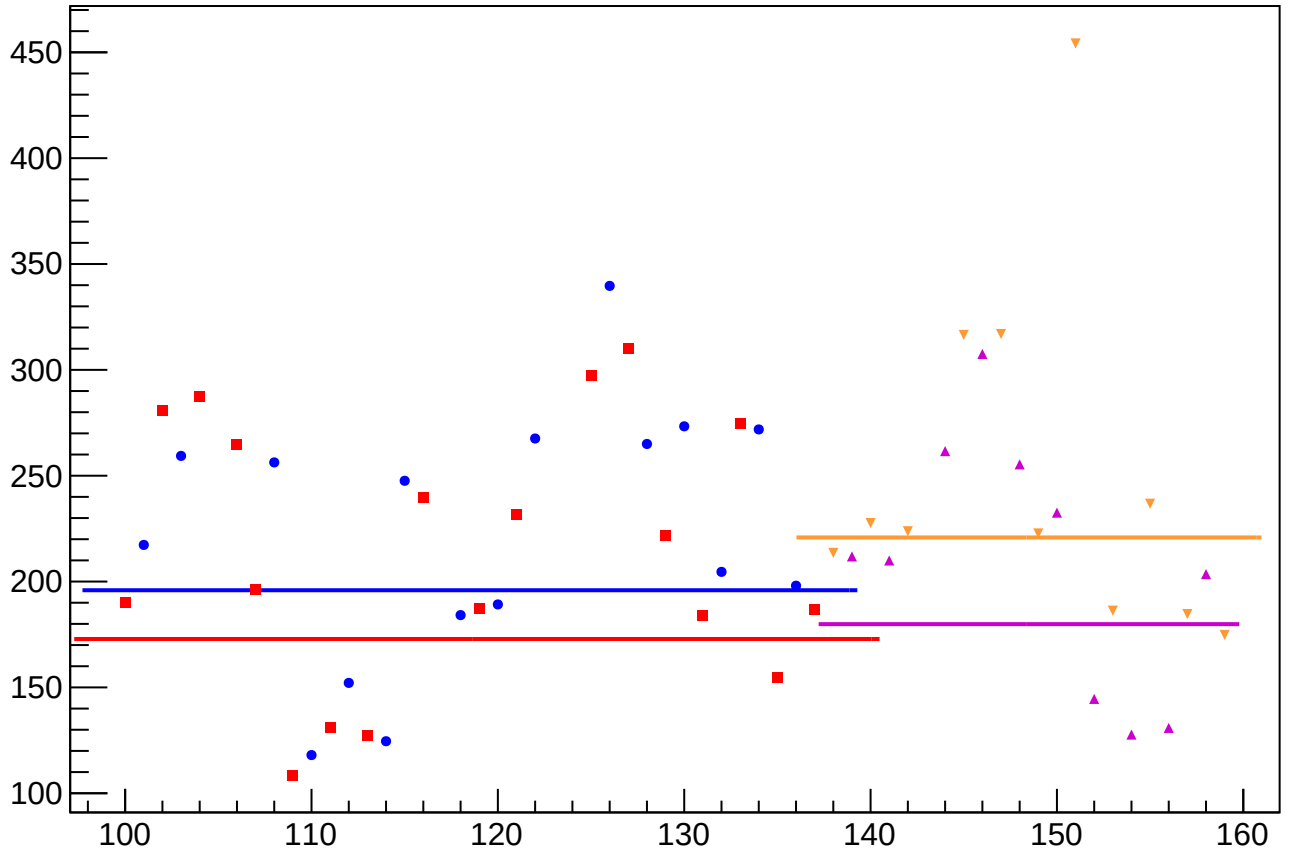
Left: 186.291+/-50.473 χ^2/NDF: 8.1/20

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 87.008+/-50.052 χ^2/NDF:23.7/25

Out: 10.274+/-51.883 χ^2/NDF:27.5/28

All: 50.018+/-36.022 χ^2/NDF: 52.3/54



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 220.835+/-0.055 χ^2/NDF:951065.3/10

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

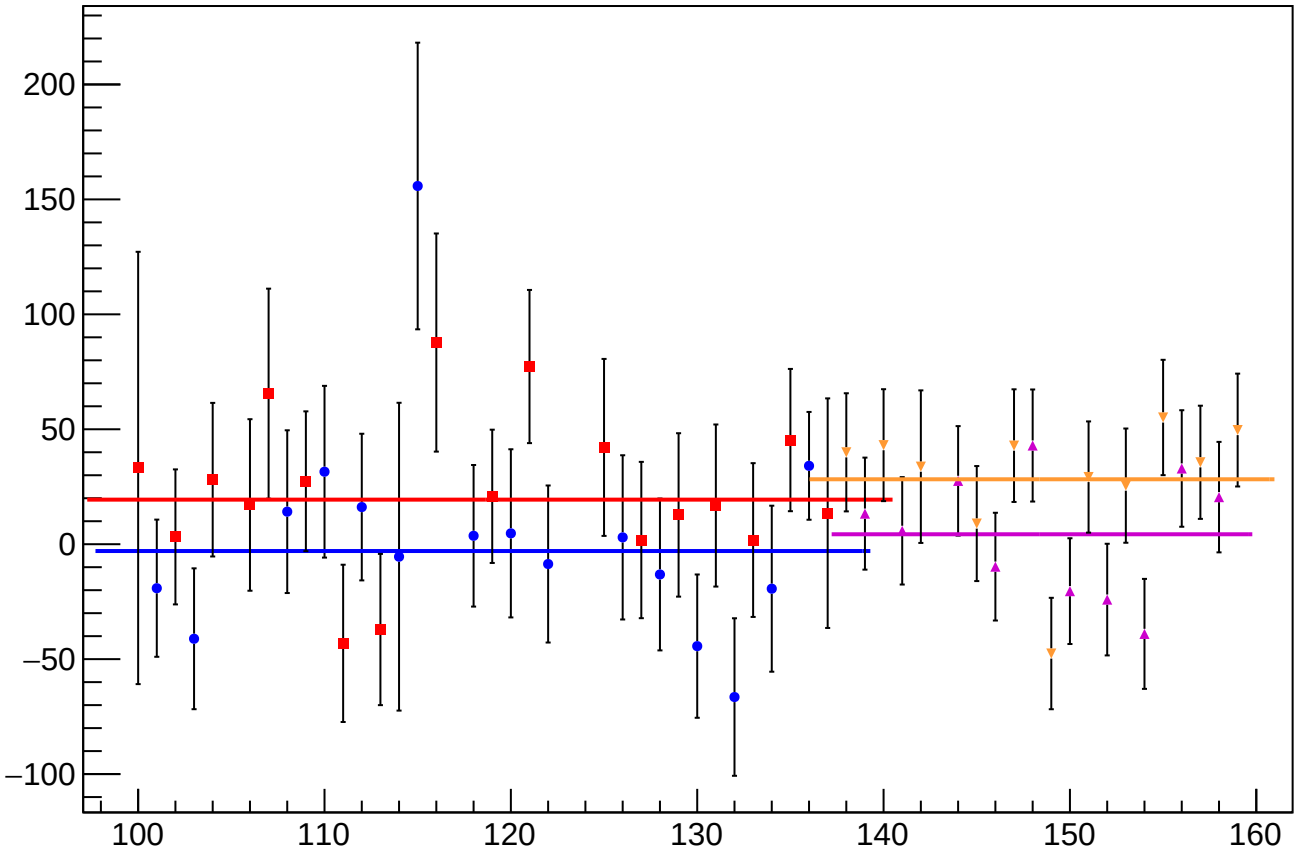
Left: 196.828+/-0.036 χ^2/NDF: 2632184.9/20

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 186.666+/-0.035 χ^2/NDF:2422782.3/25

Out: 193.841+/-0.037 χ^2/NDF:2914867.7/28

All: 190.125+/-0.025 χ^2/NDF: 5357460.2/54



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 28.243+/-7.602 χ^2/NDF:13.4/10

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 4.324+/-7.580 χ^2/NDF:11.5/9

Left: 16.249+/-5.368 χ^2/NDF: 29.8/20

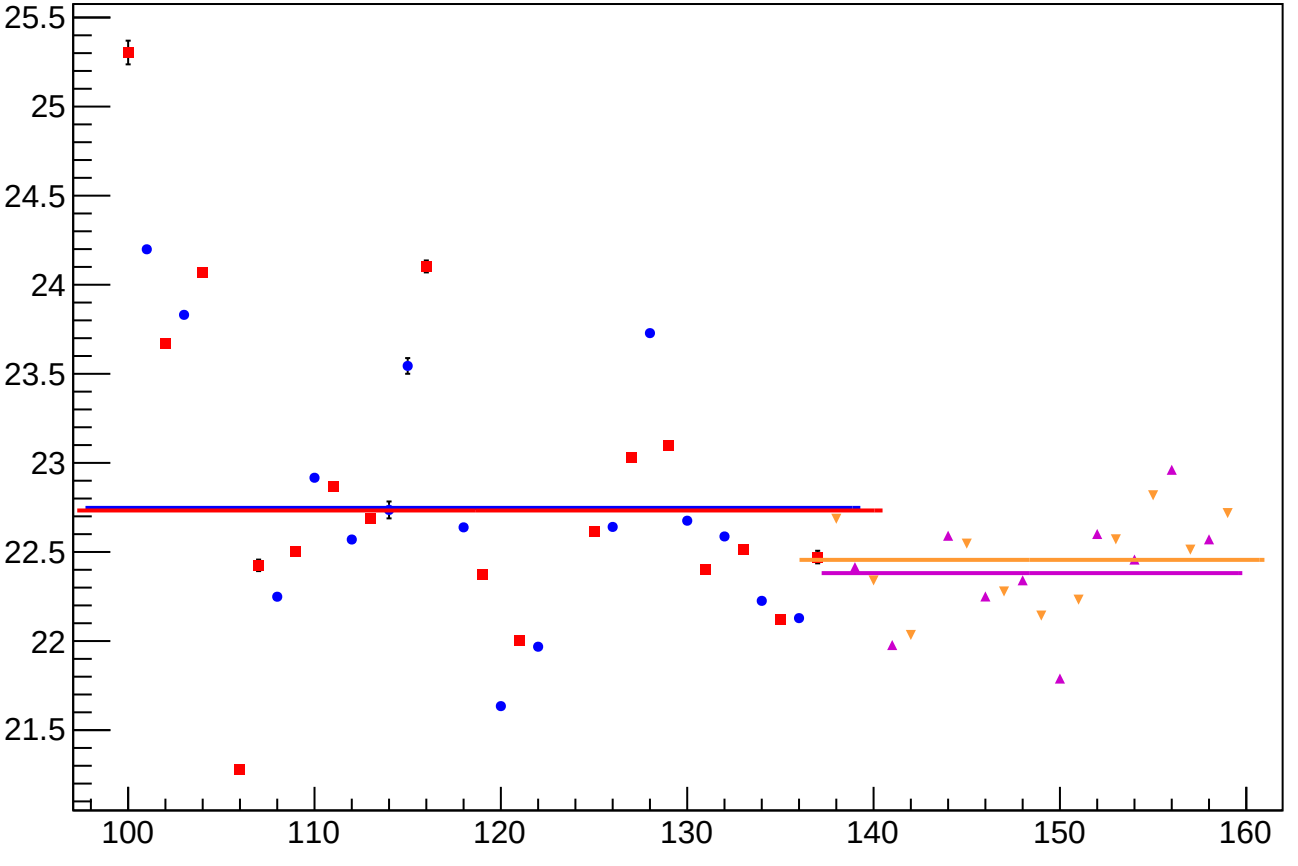
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 1.075+/-5.644 χ^2/NDF:29.8/25

Out: 24.246+/-5.631 χ^2/NDF:28.5/28

All: 12.687+/-3.986 χ^2/NDF: 66.8/54

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: 22.456+/-0.005 χ^2/NDF:1864.0/10

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

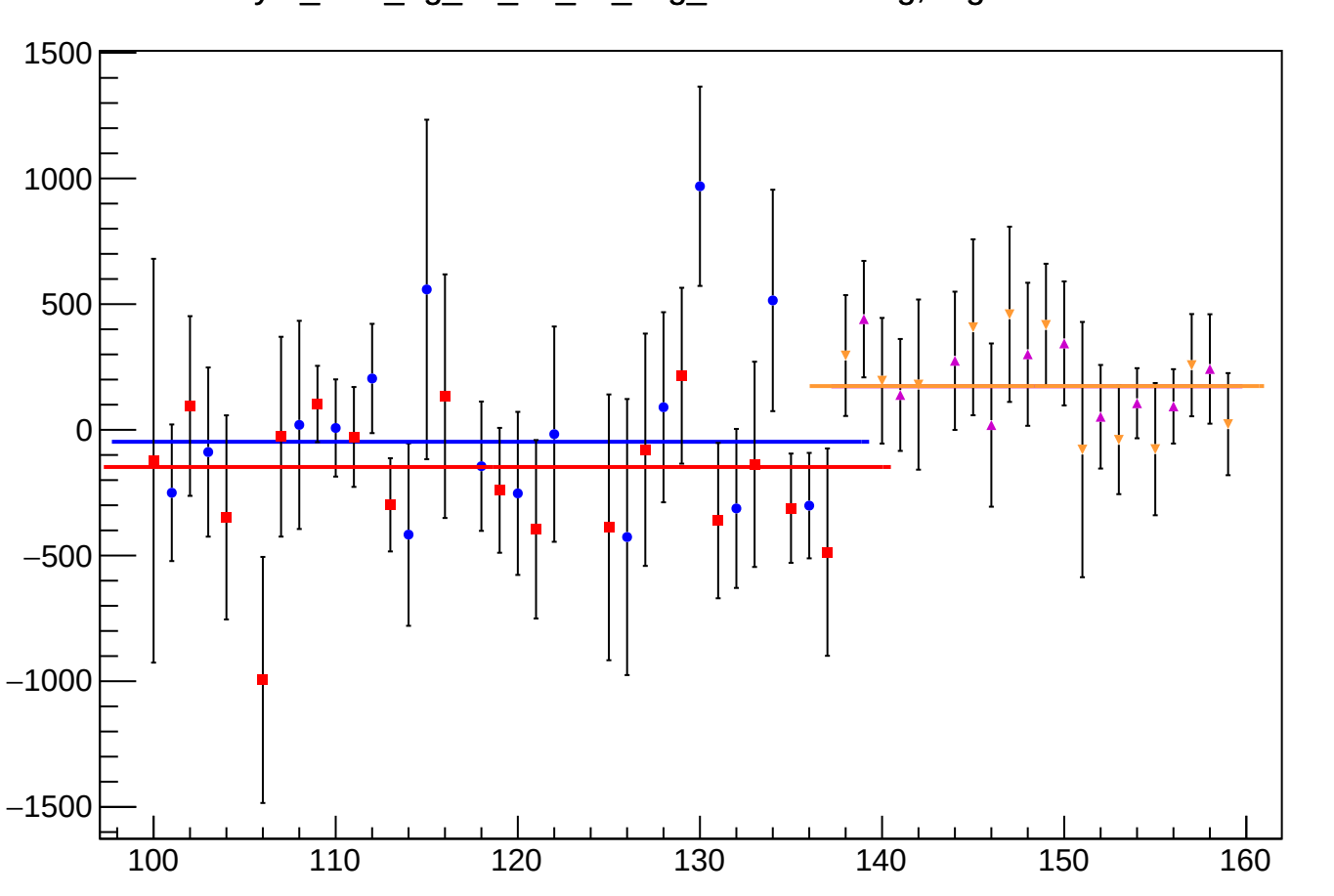
Left: 22.418+/-0.004 χ^2/NDF: 5463.6/20

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.544+/-0.004 χ^2/NDF:20206.1/25

Out: 22.581+/-0.004 χ^2/NDF:17454.1/28

All: 22.563+/-0.003 χ^2/NDF: 37701.8/54



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 174.096+/-78.207 χ^2/NDF:5.2/10

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 173.324+/-65.634 χ^2/NDF:3.4/9

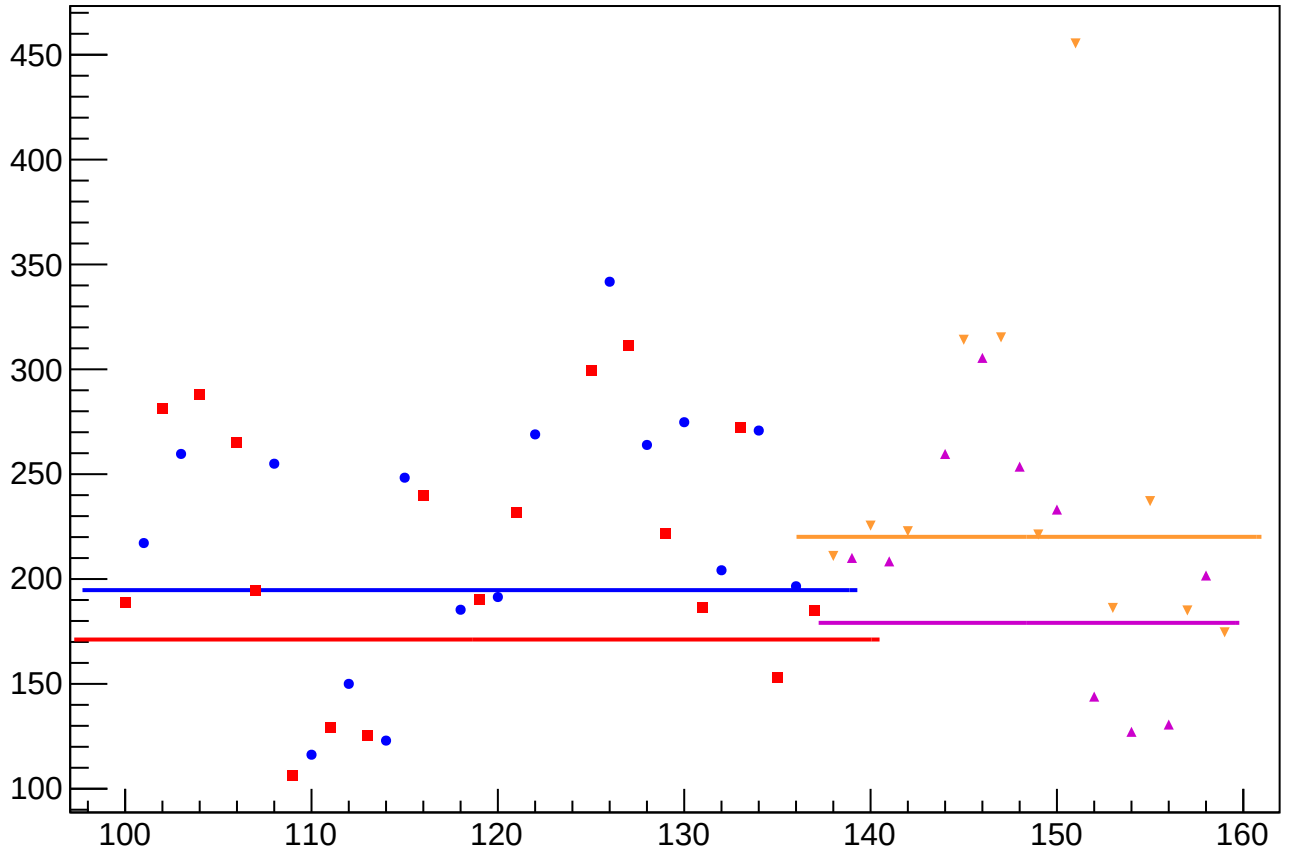
Left: 173.643+/-50.275 χ^2/NDF: 8.6/20

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 79.787+/-49.832 χ^2/NDF:23.6/25

Out: -7.697+/-51.597 χ^2/NDF:26.3/28

All: 37.566+/-35.844 χ^2/NDF: 51.4/54



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.121+/-0.055 χ^2/NDF:944412.3/10

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

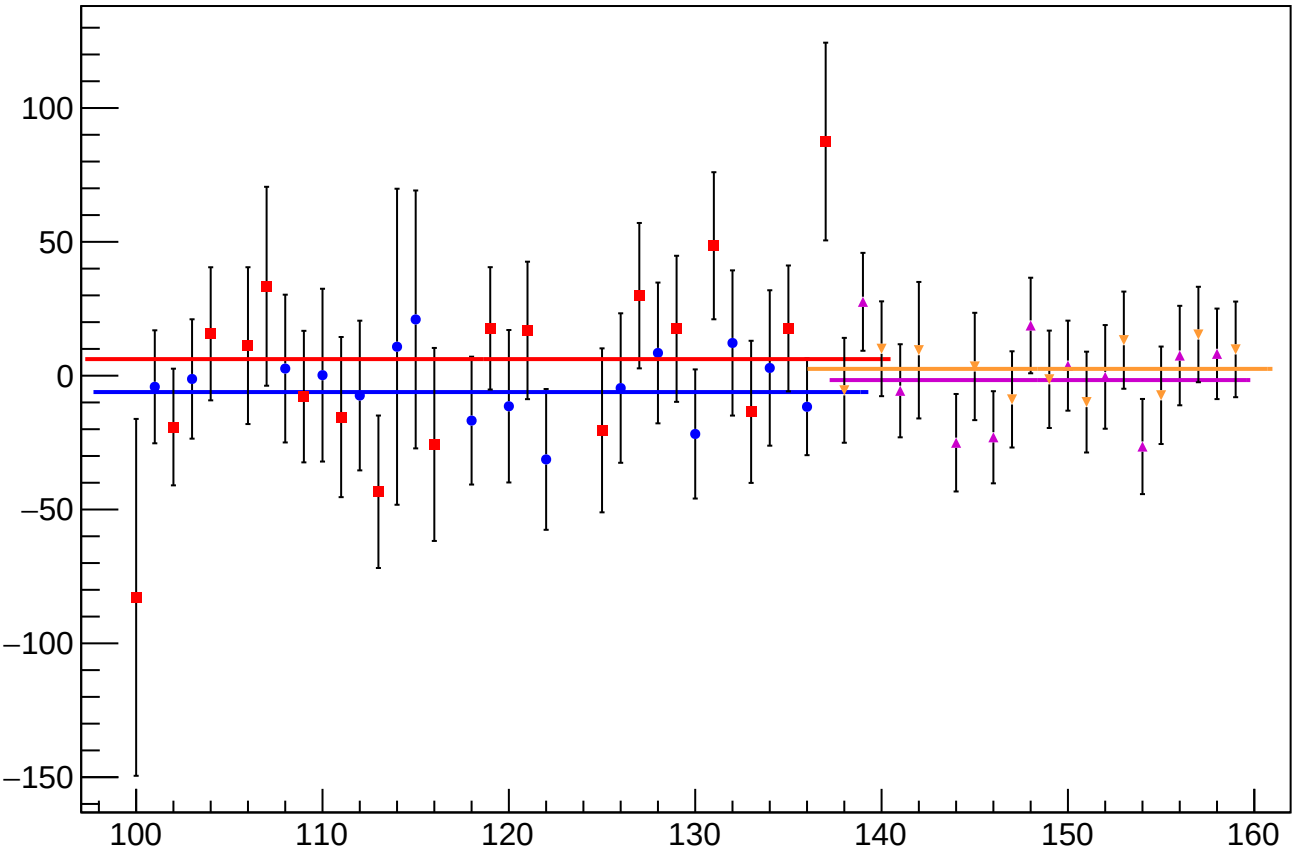
Left: 196.057+/-0.036 χ^2/NDF: 2617512.6/20

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.715+/-0.035 χ^2/NDF:2450511.3/25

Out: 192.469+/-0.036 χ^2/NDF:2999090.4/28

All: 188.975+/-0.025 χ^2/NDF: 5467332.1/54



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.543+/-5.672 χ^2/NDF:2.6/10

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -1.644+/-5.627 χ^2/NDF:9.7/9

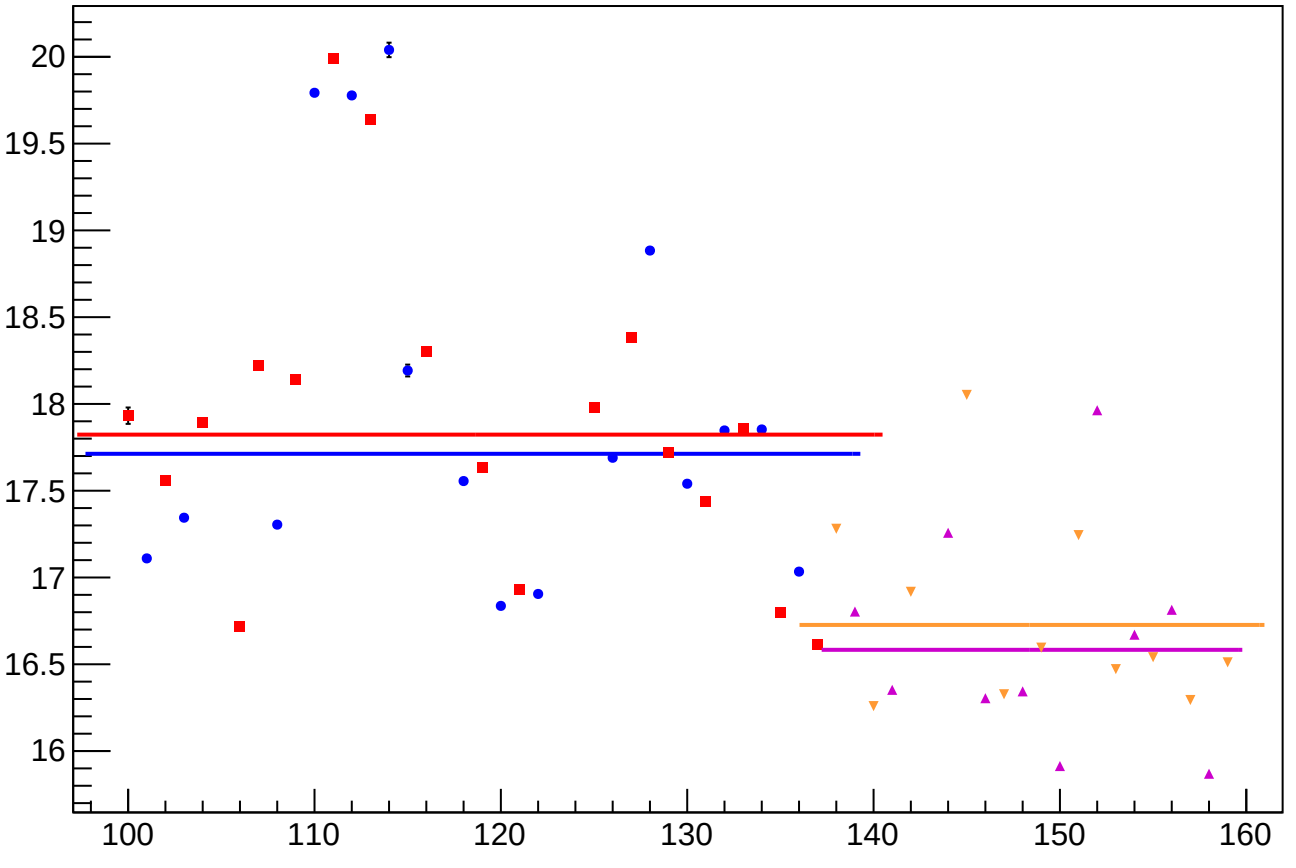
Left: 0.433+/-3.995 χ^2/NDF: 12.7/20

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -3.530+/-4.280 χ^2/NDF:13.1/25

Out: 4.099+/-4.296 χ^2/NDF:21.4/28

All: 0.270+/-3.032 χ^2/NDF: 36.2/54



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.727+/-0.004 χ^2/NDF:16521.3/10

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

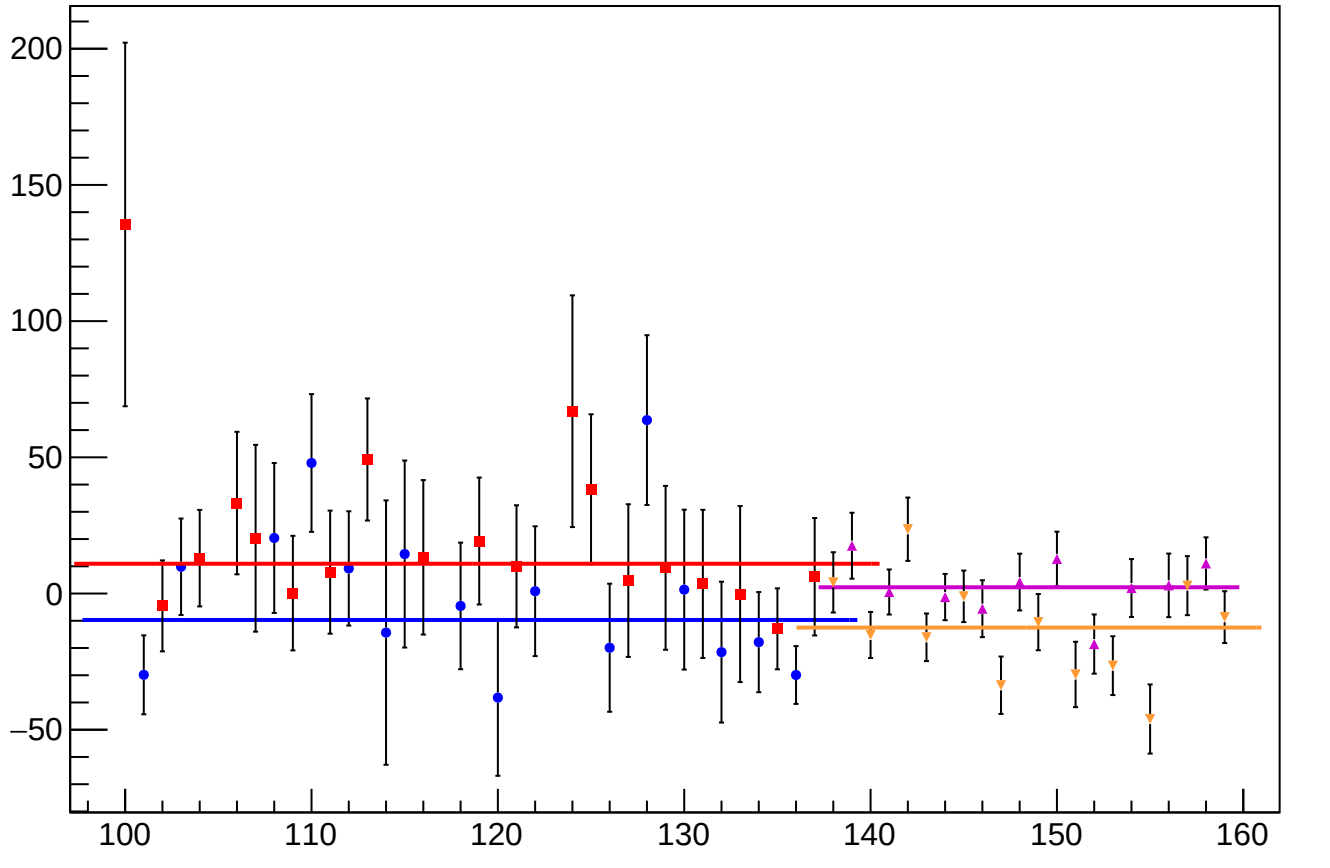
Left: 16.654+/-0.003 χ^2/NDF: 38688.8/20

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.059+/-0.003 χ^2/NDF:91466.5/25

Out: 17.194+/-0.003 χ^2/NDF:80886.8/28

All: 17.126+/-0.002 χ^2/NDF: 173341.5/54



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.499+/-2.968 χ^2/NDF:30.6/11

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 2.299+/-3.174 χ^2/NDF:8.0/9

Left: -5.597+/-2.168 χ^2/NDF: 50.2/21

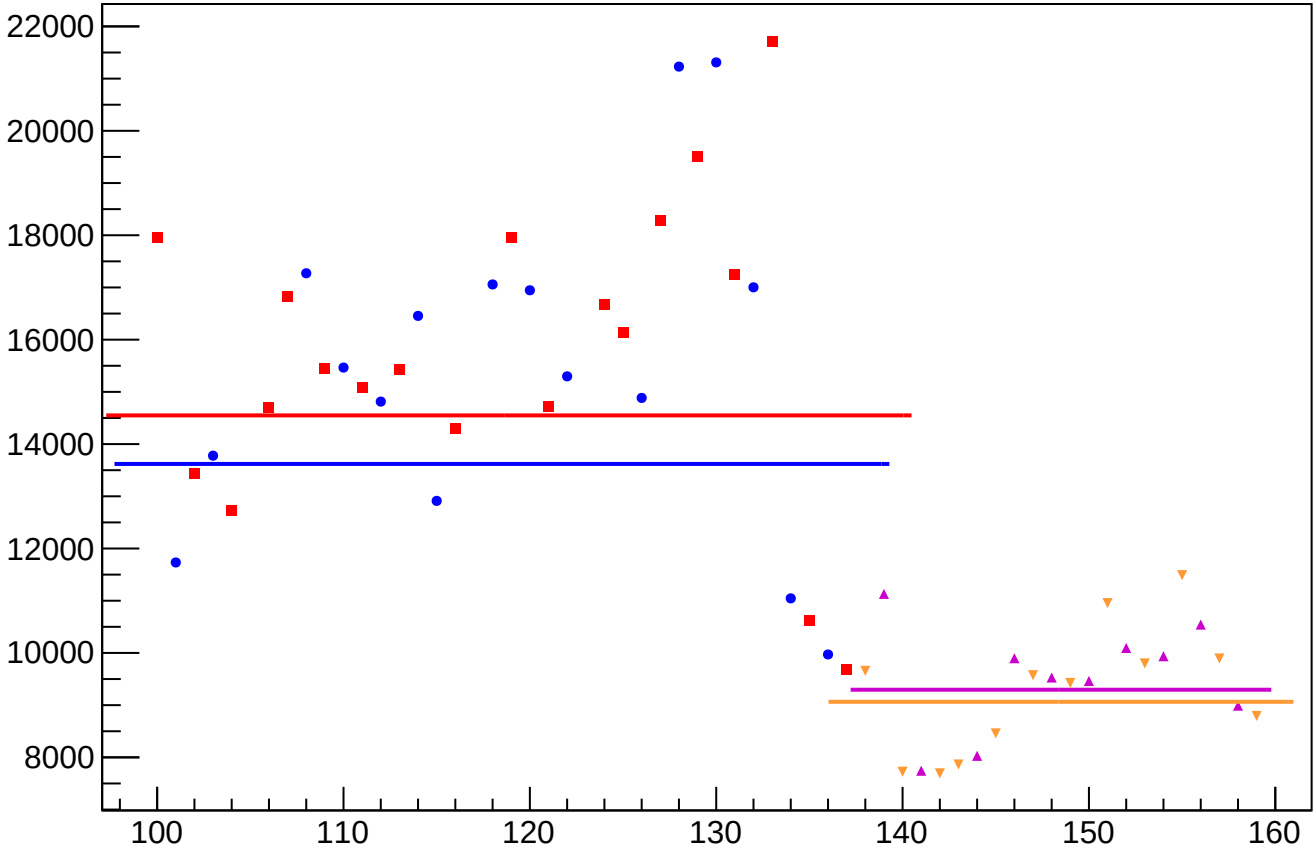
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -0.930+/-2.714 χ^2/NDF:33.9/25

Out: -7.118+/-2.605 χ^2/NDF:59.0/30

All: -4.151+/-1.879 χ^2/NDF: 95.6/56

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 9063.961+/-2.098 χ^2/NDF:282169.8/11

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9295.269+/-2.245 χ^2/NDF:212026.3/9

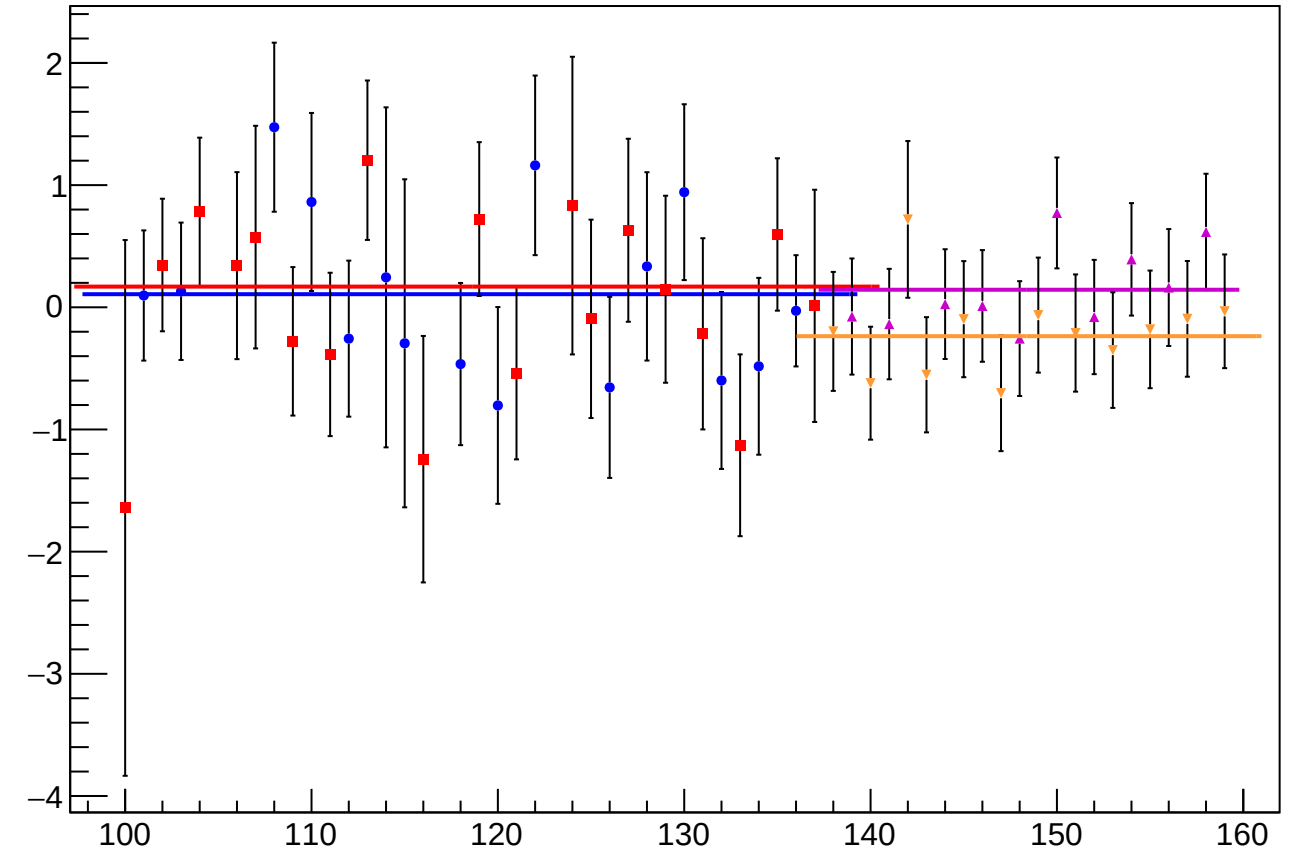
Left: 9171.843+/-1.533 χ^2/NDF: 499863.1/21

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10458.981+/-1.919 χ^2/NDF:1957962.7/25

Out: 10323.415+/-1.842 χ^2/NDF:2407083.1/30

All: 10388.422+/-1.329 χ^2/NDF: 4367643.6/5



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.236+/-0.139 χ^2/NDF:4.9/11

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.144+/-0.147 χ^2/NDF:4.9/9

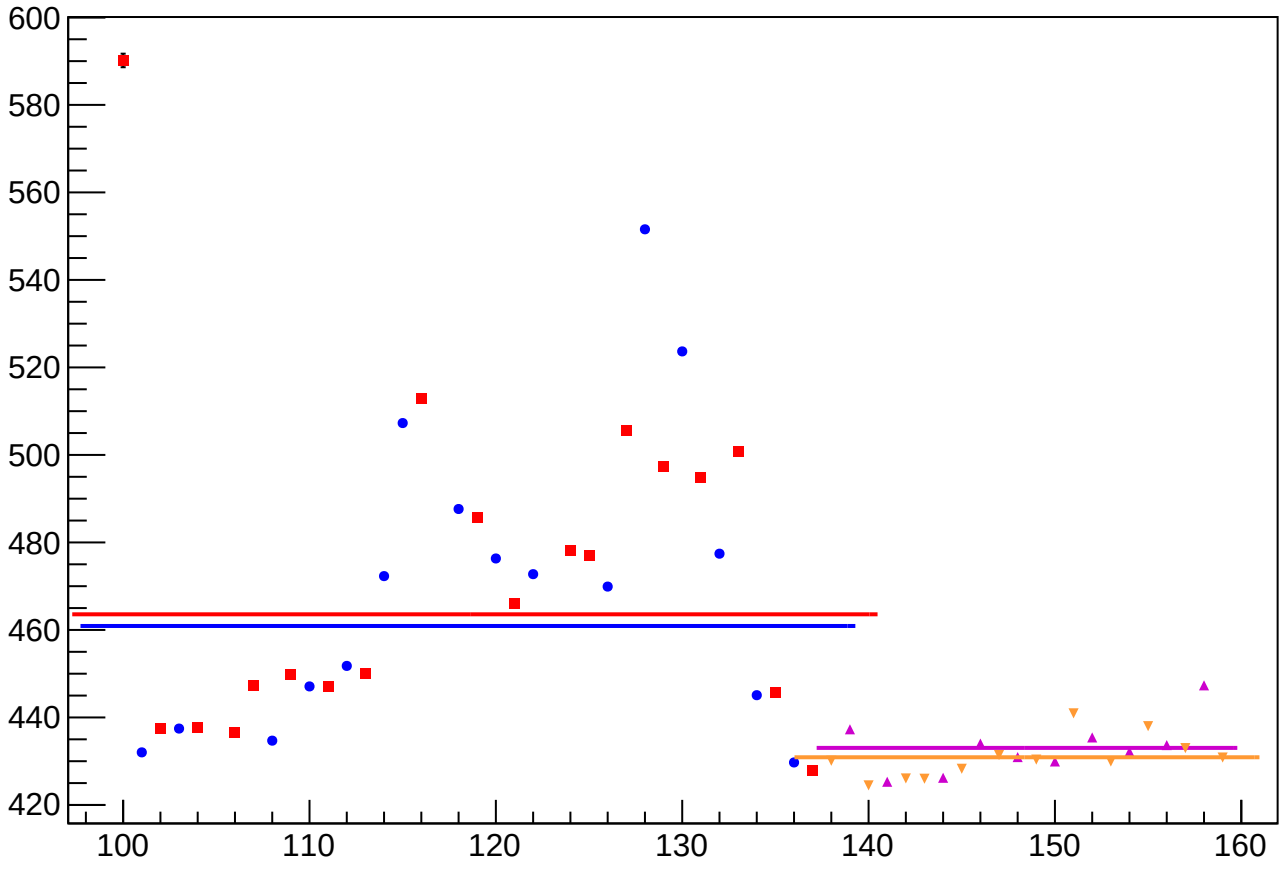
Left: -0.056+/-0.101 χ^2/NDF: 13.3/21

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.128+/-0.112 χ^2/NDF:18.6/25

Out: -0.072+/-0.108 χ^2/NDF:22.4/30

All: 0.024+/-0.077 χ^2/NDF: 42.7/56



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.900+/-0.099 χ^2/NDF:2147.2/11

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 433.042+/-0.104 χ^2/NDF:3216.0/9

Left: 431.918+/-0.071 χ^2/NDF: 5587.3/21

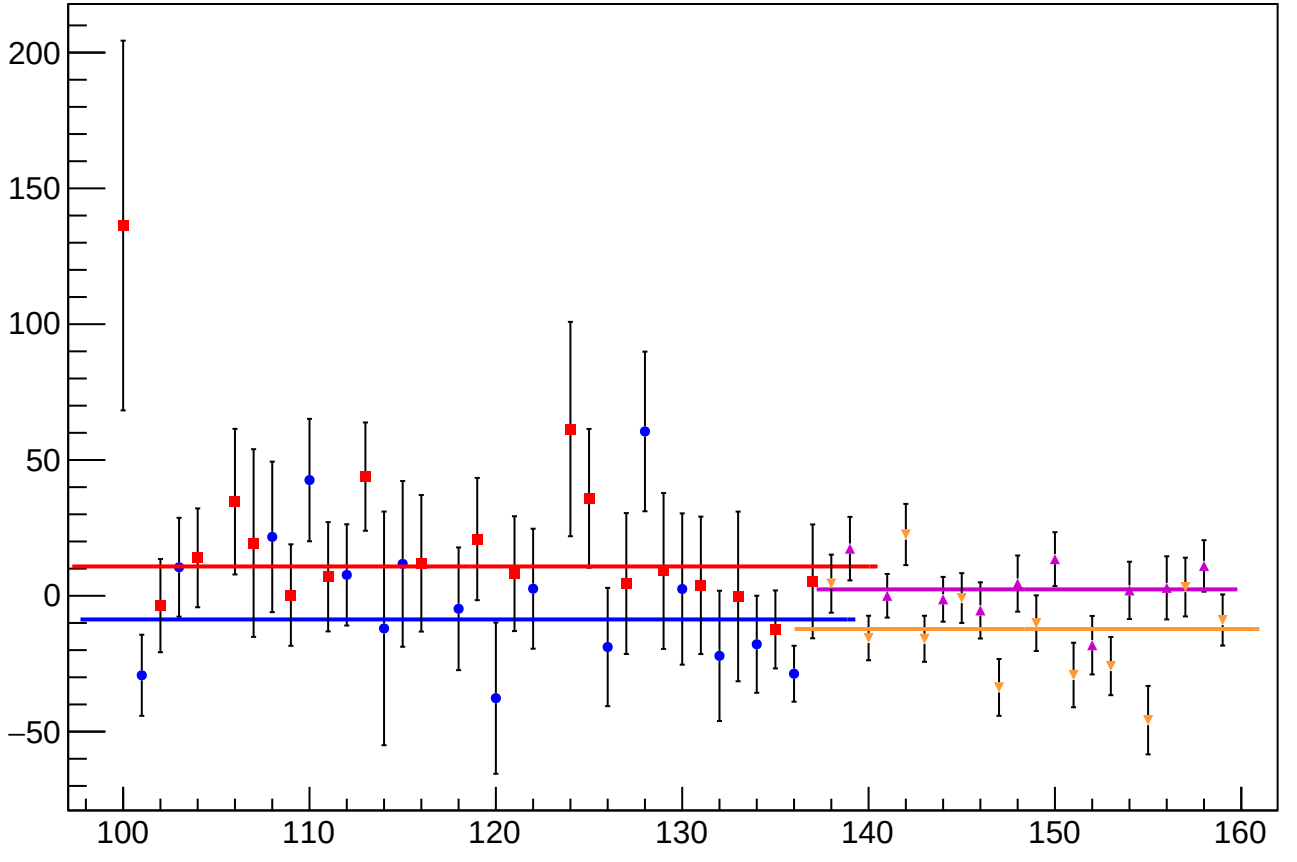
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 444.792+/-0.079 χ^2/NDF:108604.5/25

Out: 444.095+/-0.076 χ^2/NDF:98657.6/30

All: 444.431+/-0.055 χ^2/NDF: 207302.6/56

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.227+/-2.912 χ^2/NDF:31.0/11

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 2.363+/-3.123 χ^2/NDF:8.3/9

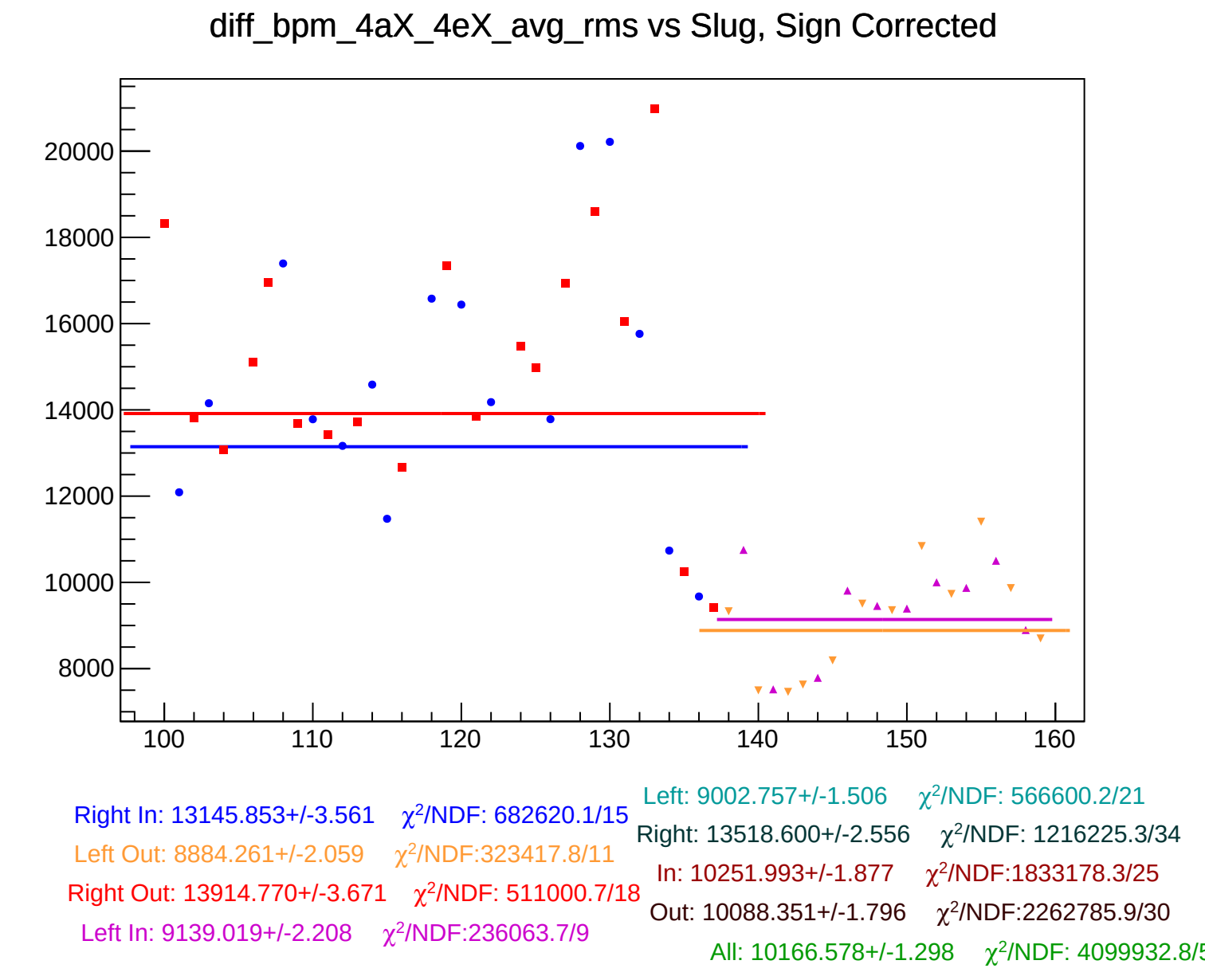
Left: -5.441+/-2.130 χ^2/NDF: 51.0/21

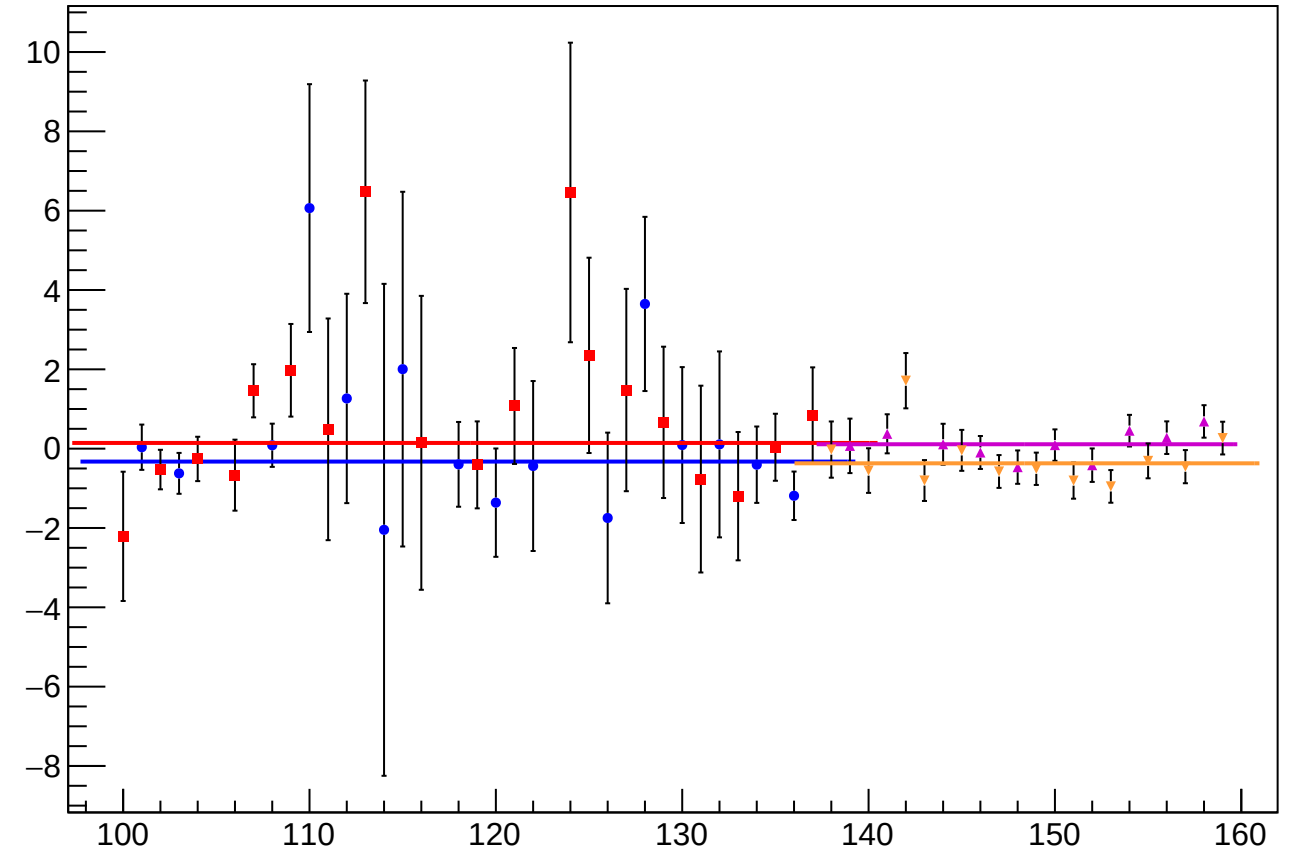
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -0.712+/-2.654 χ^2/NDF:34.0/25

Out: -6.714+/-2.540 χ^2/NDF:59.9/30

All: -3.845+/-1.835 χ^2/NDF: 96.6/56


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8884.261+/-2.059 χ²/NDF:323417.8/11
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 9139.019+/-2.208 χ²/NDF:236063.7/9
Left: 9002.757+/-1.506 χ²/NDF: 566600.2/21
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10251.993+/-1.877 χ²/NDF:1833178.3/25
Out: 10088.351+/-1.796 χ²/NDF:2262785.9/30
All: 10166.578+/-1.298 χ²/NDF: 4099932.8/5



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.370+/-0.136 χ^2/NDF:16.1/11

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.111+/-0.139 χ^2/NDF:6.9/9

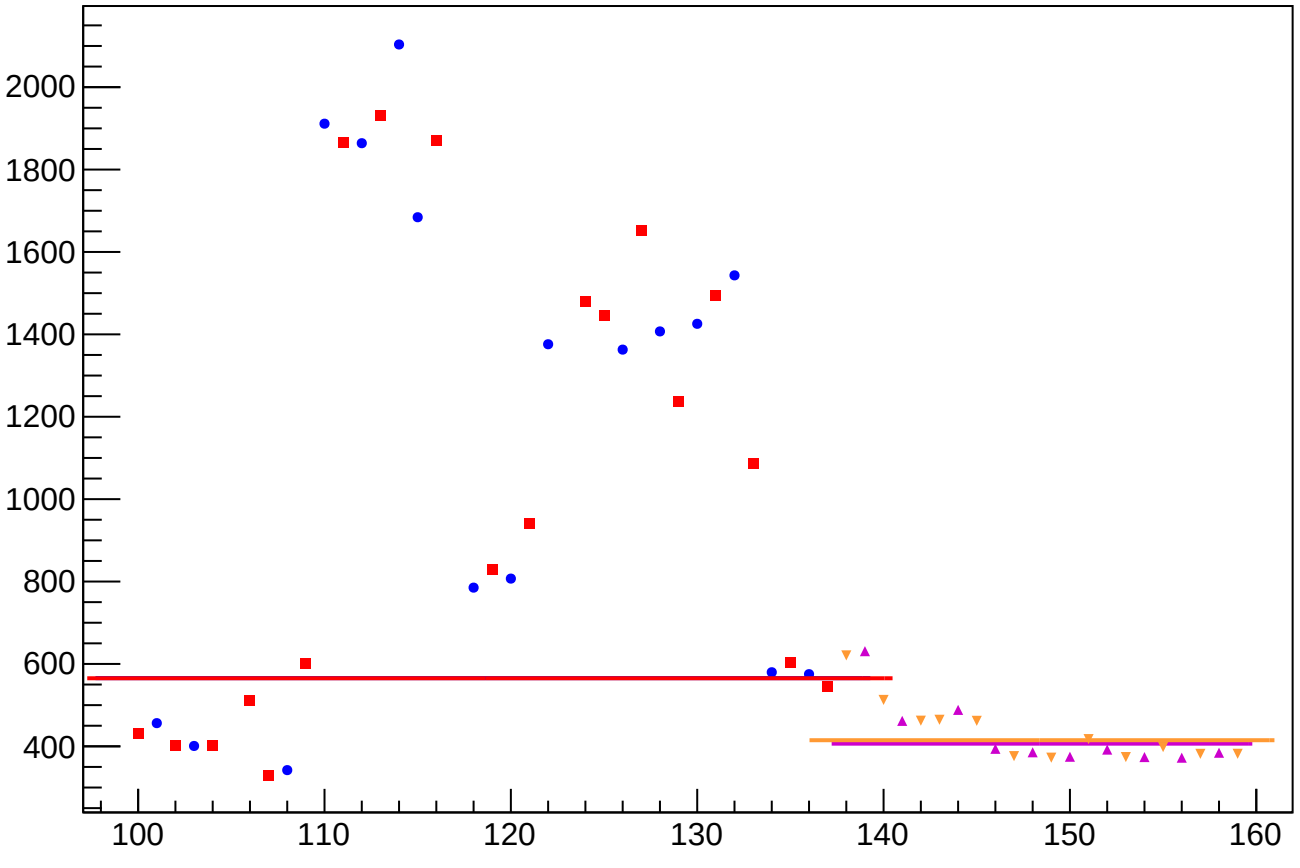
Left: -0.135+/-0.097 χ^2/NDF: 29.1/21

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.004+/-0.121 χ^2/NDF:21.9/25

Out: -0.248+/-0.119 χ^2/NDF:41.9/30

All: -0.124+/-0.085 χ^2/NDF: 66.0/56



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 414.848+/-0.096 χ^2/NDF:360786.1/11

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 406.511+/-0.098 χ^2/NDF:344099.1/9

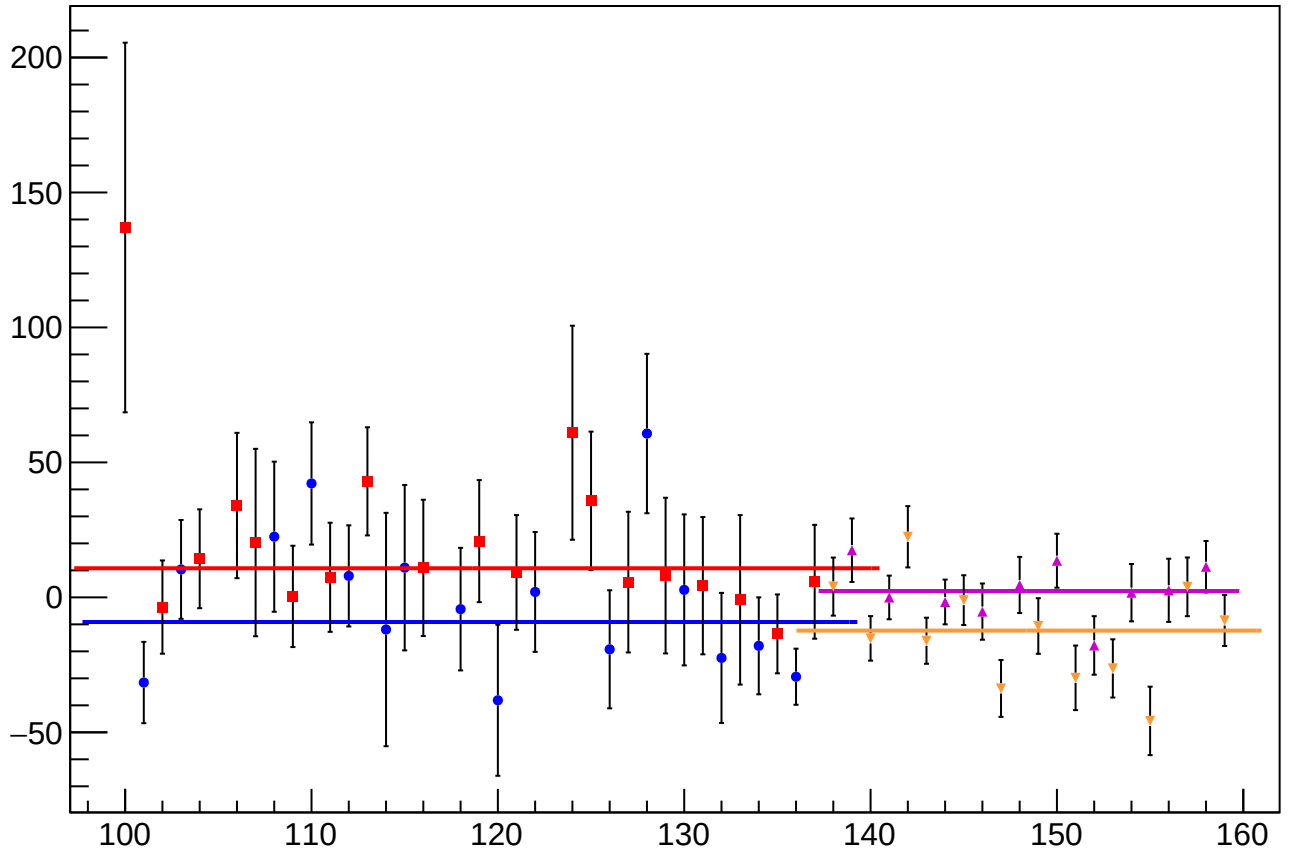
Left: 410.778+/-0.069 χ^2/NDF: 708556.5/21

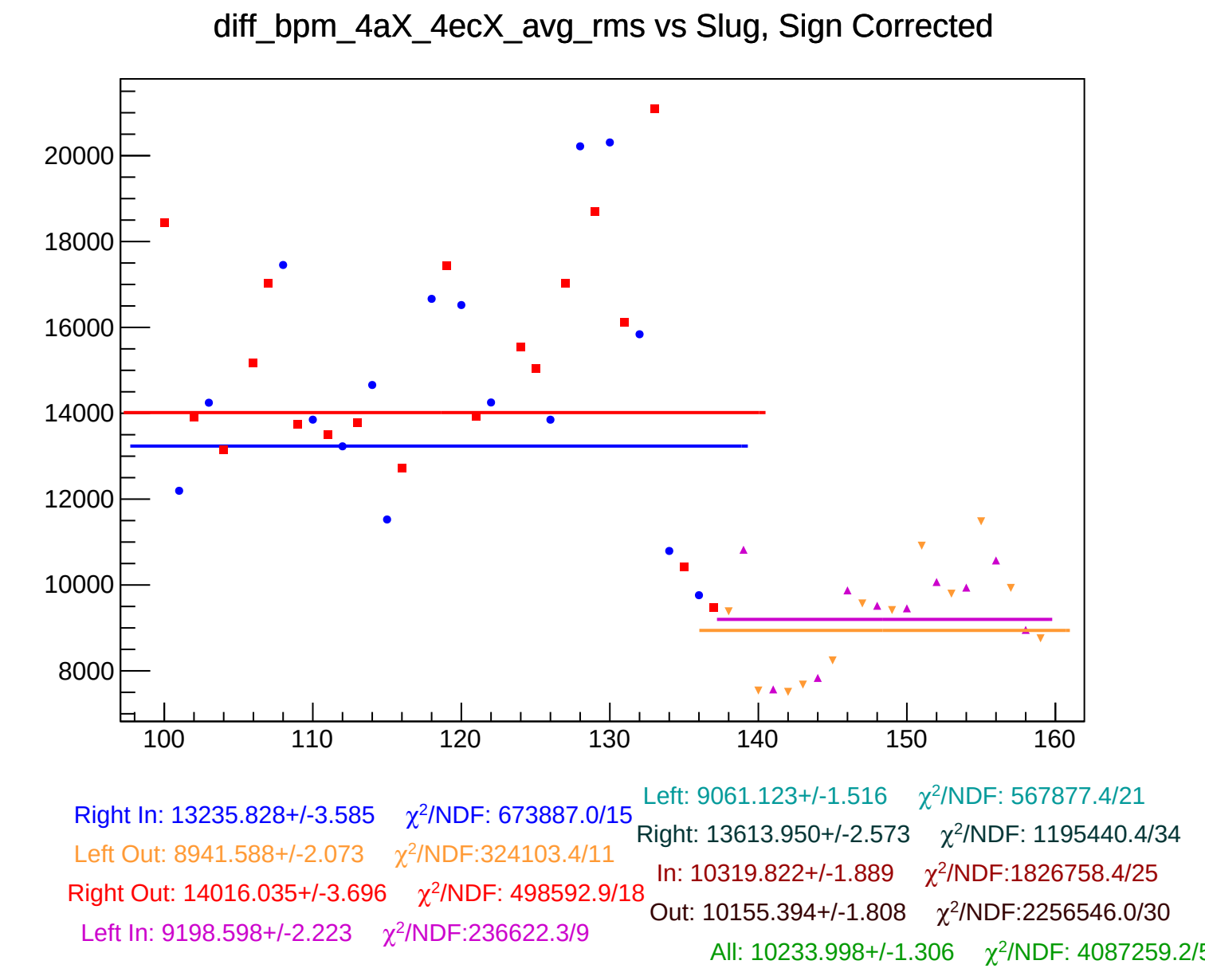
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

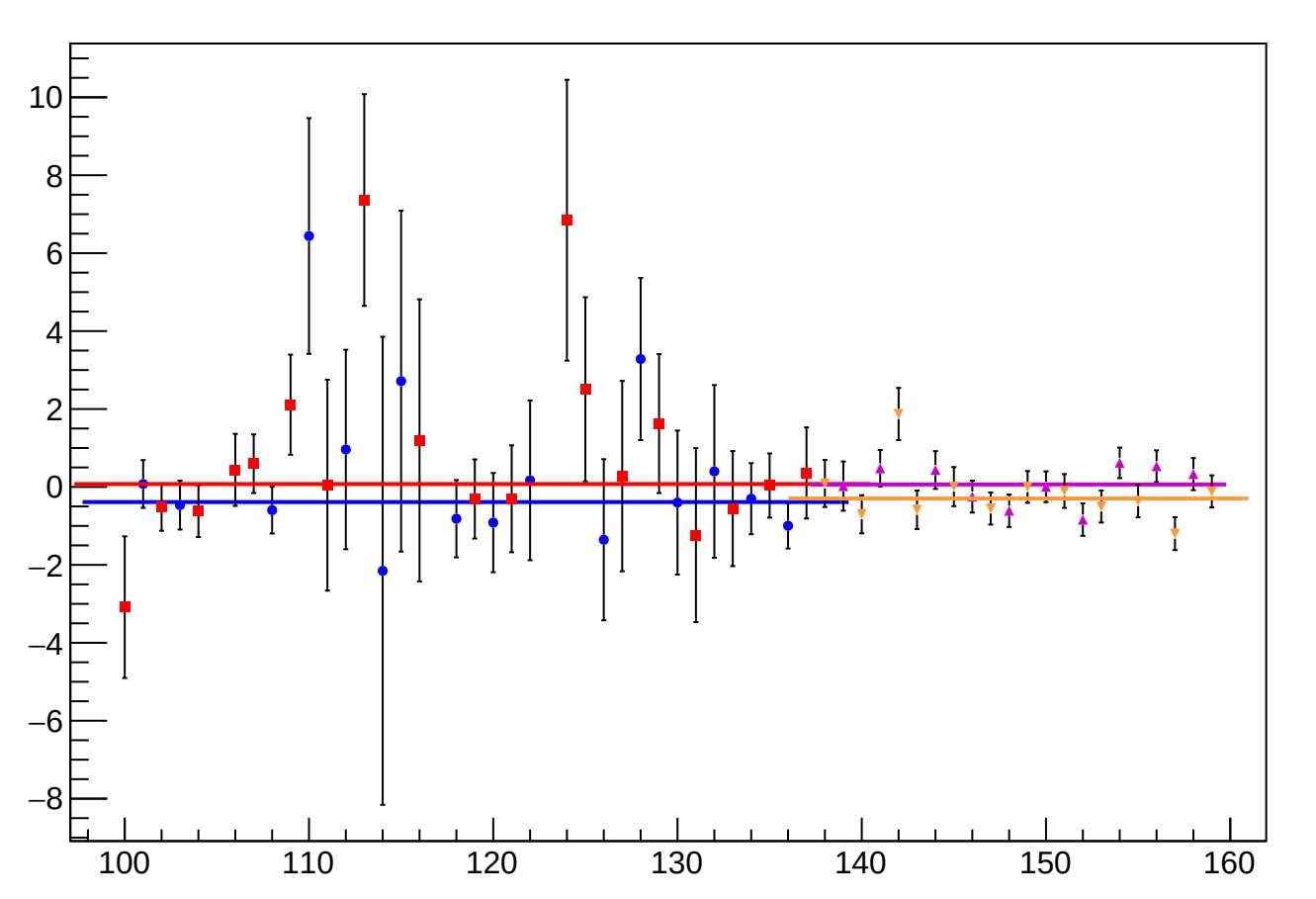
In: 445.532+/-0.086 χ^2/NDF:4435004.5/25

Out: 450.390+/-0.084 χ^2/NDF:4510748.6/30

All: 448.004+/-0.060 χ^2/NDF: 8947395.7/56


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -12.307+/-2.931 χ²/NDF:30.8/11
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 2.354+/-3.143 χ²/NDF:8.2/9
Left: -5.488+/-2.144 χ²/NDF: 50.6/21
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -0.835+/-2.671 χ²/NDF:34.6/25
Out: -6.783+/-2.557 χ²/NDF:59.4/30
All: -3.940+/-1.847 χ²/NDF: 96.6/56


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8941.588+/-2.073 χ²/NDF:324103.4/11
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9198.598+/-2.223 χ²/NDF:236622.3/9
Left: 9061.123+/-1.516 χ²/NDF: 567877.4/21
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10319.822+/-1.889 χ²/NDF:1826758.4/25
Out: 10155.394+/-1.808 χ²/NDF:2256546.0/30
All: 10233.998+/-1.306 χ²/NDF: 4087259.2/5



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.297+/-0.132 χ^2/NDF:18.5/11

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.064+/-0.136 χ^2/NDF:13.1/9

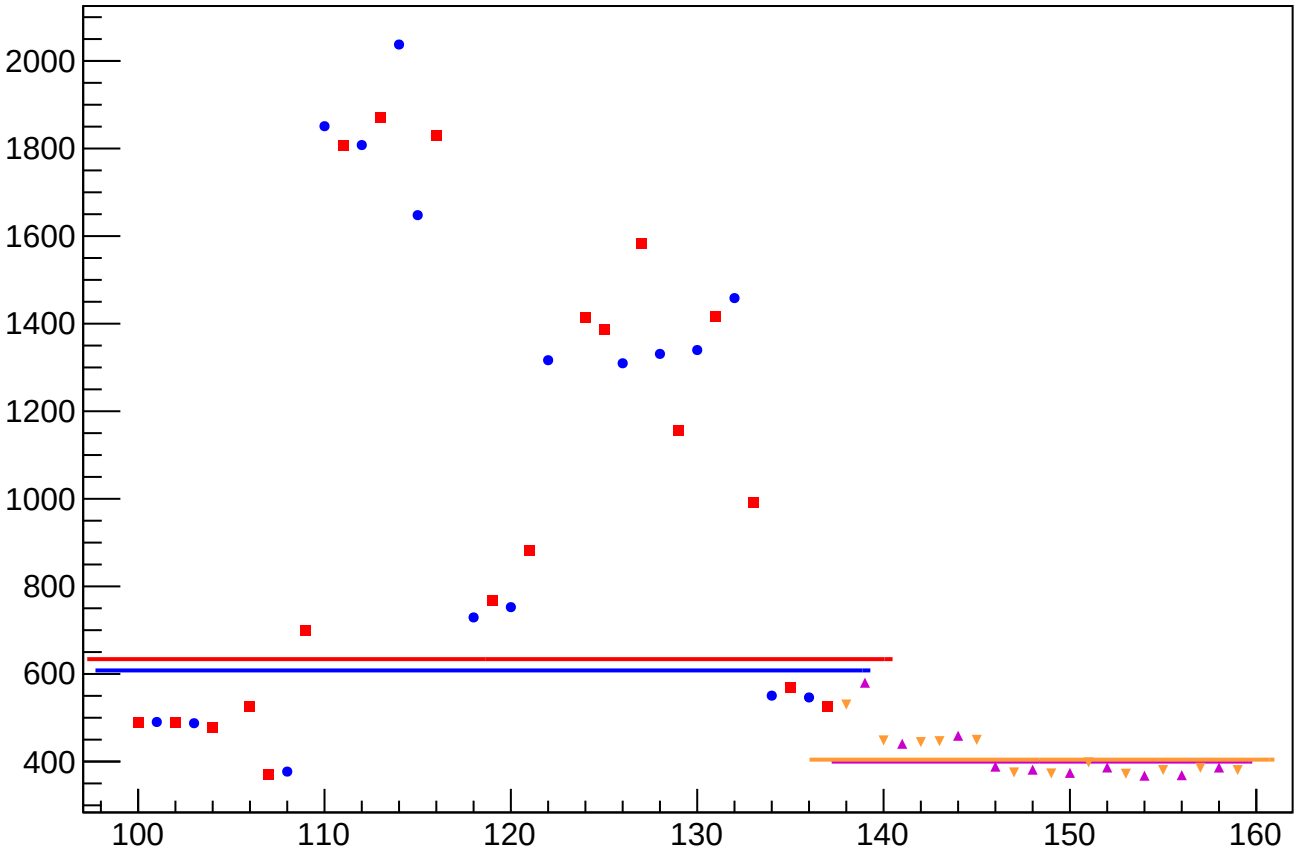
Left: -0.123+/-0.095 χ^2/NDF: 35.1/21

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.036+/-0.120 χ^2/NDF:27.2/25

Out: -0.223+/-0.118 χ^2/NDF:41.7/30

All: -0.132+/-0.084 χ^2/NDF: 70.1/56



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 404.324+/-0.093 χ^2/NDF:192771.2/11

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 399.823+/-0.096 χ^2/NDF:251301.1/9

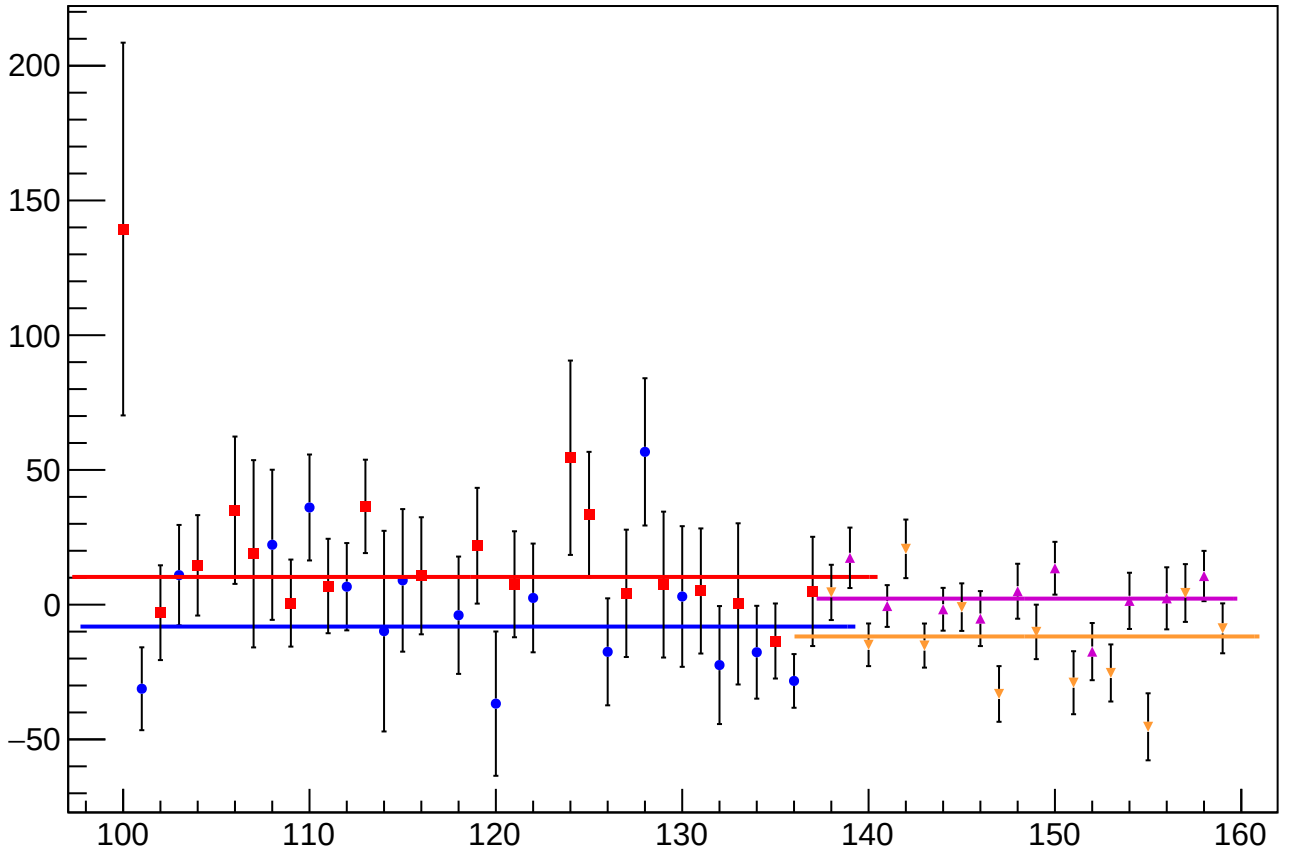
Left: 402.153+/-0.067 χ^2/NDF: 445199.0/21

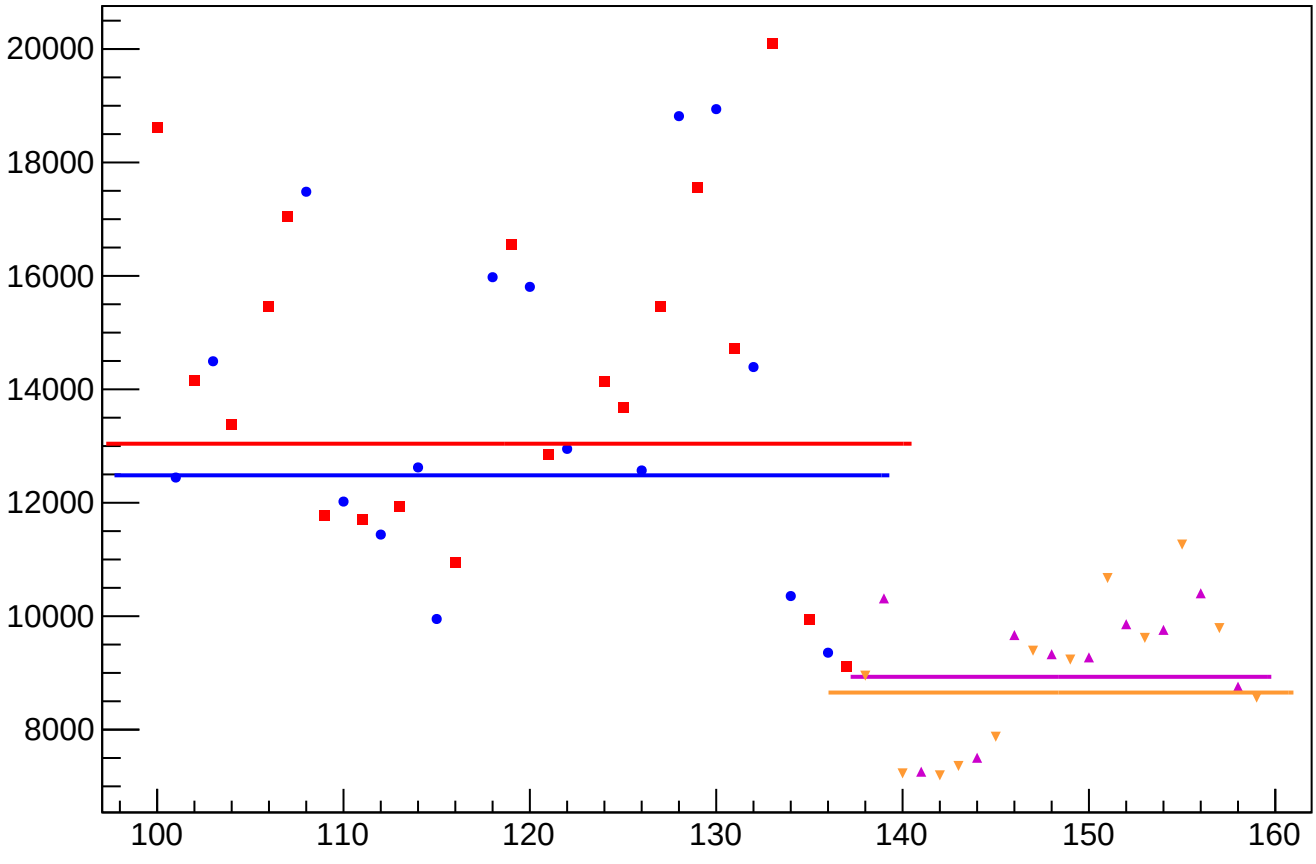
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 445.969+/-0.085 χ^2/NDF:4136529.5/25

Out: 449.942+/-0.083 χ^2/NDF:4188154.4/30

All: 447.996+/-0.060 χ^2/NDF: 8325795.8/56


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -11.803+/-2.841 χ²/NDF:31.0/11
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 2.239+/-3.054 χ²/NDF:8.4/9
Left: -5.291+/-2.080 χ²/NDF: 50.7/21
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -0.769+/-2.574 χ²/NDF:34.8/25
Out: -6.201+/-2.454 χ²/NDF:60.1/30
All: -3.614+/-1.776 χ²/NDF: 97.2/56



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8653.905+/-2.009 χ^2/NDF:371969.2/11

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8931.308+/-2.160 χ^2/NDF:265305.5/9

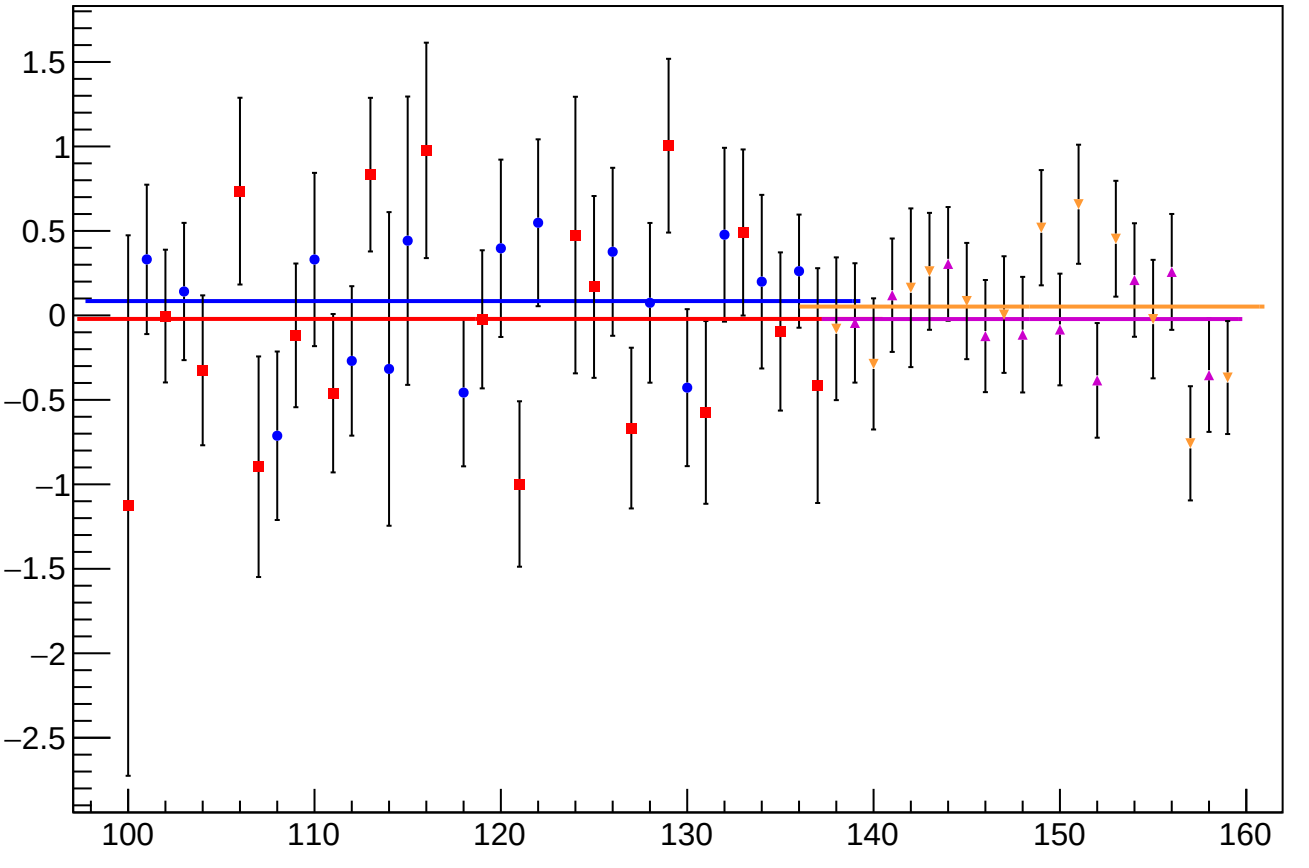
Left: 8782.560+/-1.471 χ^2/NDF: 646120.2/21

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9961.651+/-1.820 χ^2/NDF:1721539.7/25

Out: 9766.541+/-1.735 χ^2/NDF:2126327.6/30

All: 9859.460+/-1.256 χ^2/NDF: 3853887.4/56



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.052+/-0.104 χ^2/NDF:14.9/11

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.022+/-0.107 χ^2/NDF:4.6/9

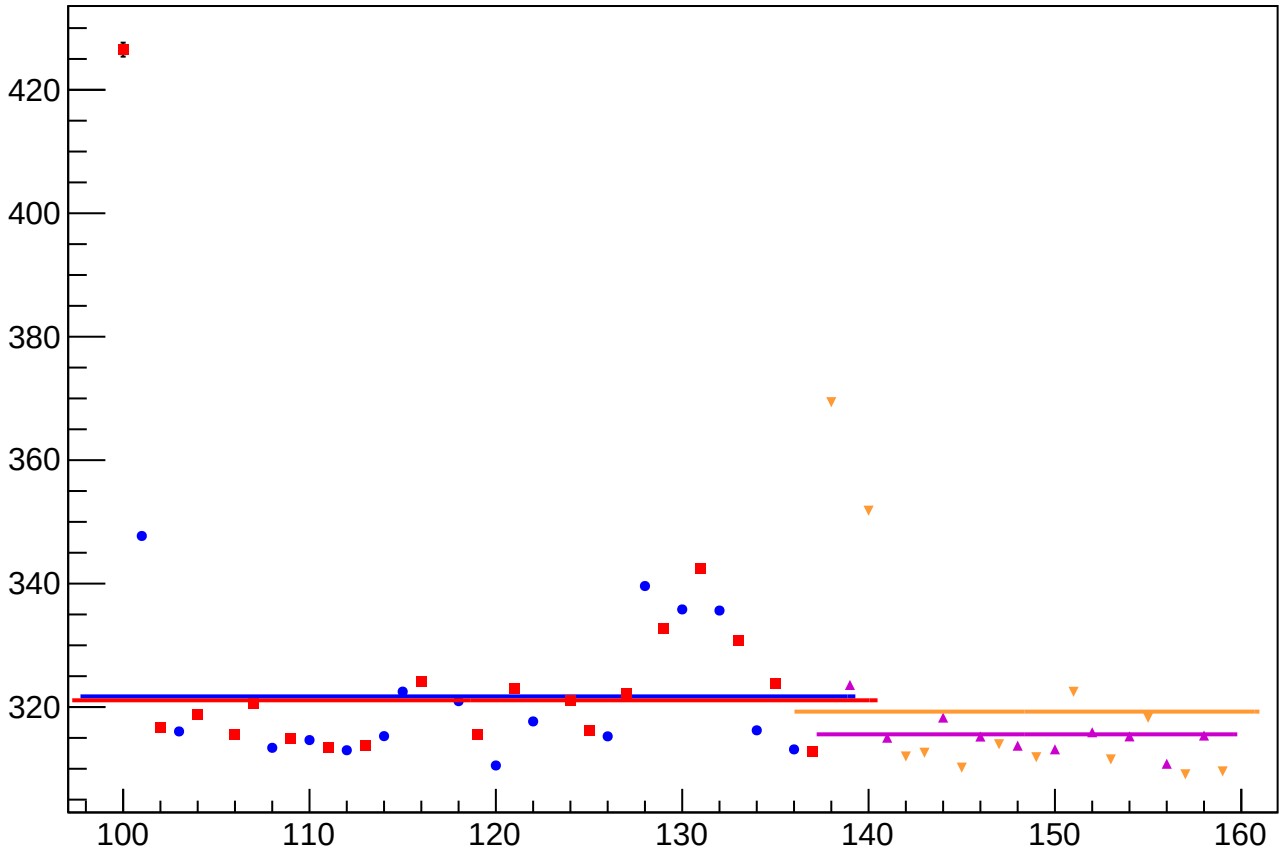
Left: 0.016+/-0.074 χ^2/NDF: 19.7/21

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.025+/-0.080 χ^2/NDF:14.4/25

Out: 0.020+/-0.078 χ^2/NDF:39.4/30

All: 0.023+/-0.056 χ^2/NDF: 53.8/56



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 319.259+/-0.073 χ^2/NDF:50933.5/11

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 315.580+/-0.076 χ^2/NDF:1719.6/9

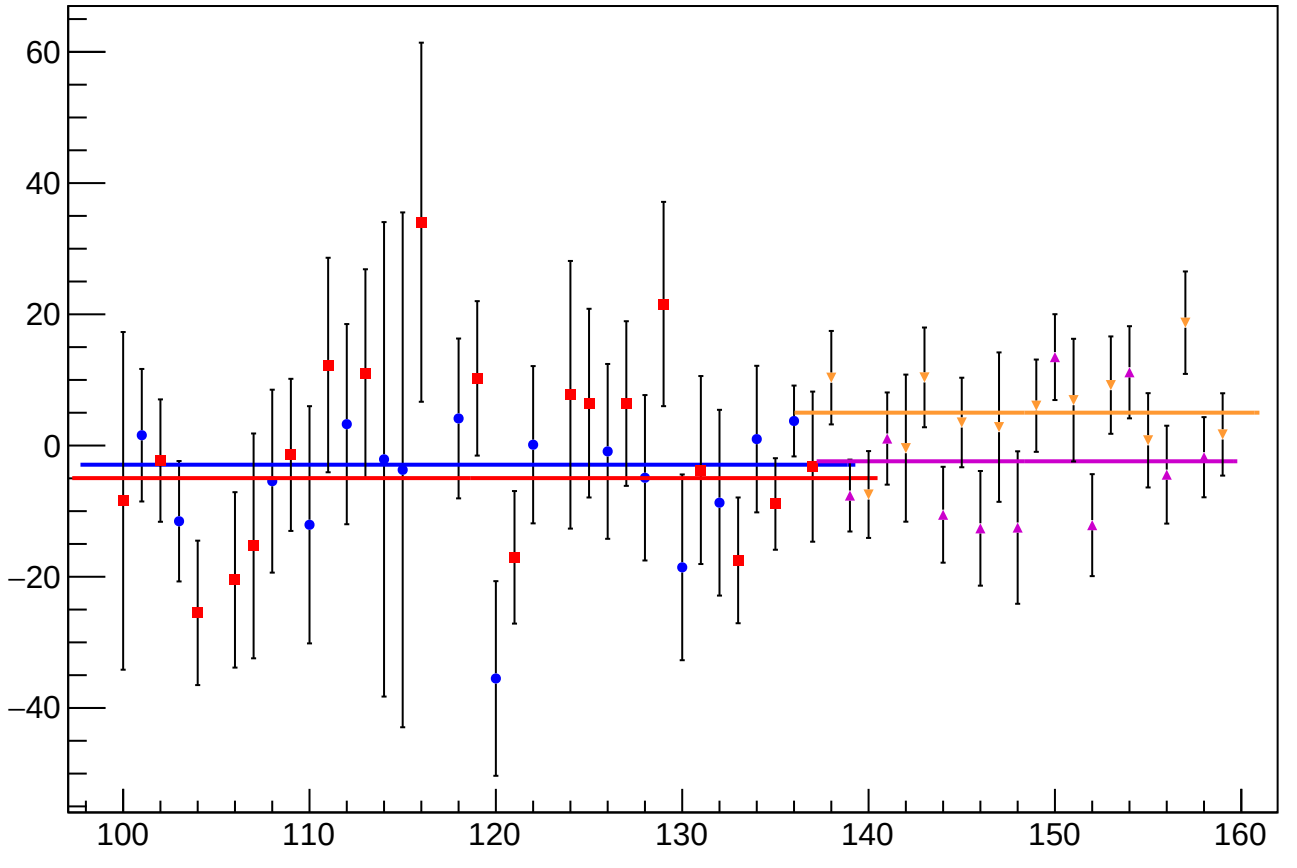
Left: 317.476+/-0.053 χ^2/NDF: 53872.6/21

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 318.297+/-0.056 χ^2/NDF:22855.1/25

Out: 320.062+/-0.055 χ^2/NDF:67786.7/30

All: 319.204+/-0.039 χ^2/NDF: 91142.8/56



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 5.010+/-2.193 χ^2/NDF:9.0/11

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -2.400+/-2.249 χ^2/NDF:15.8/9

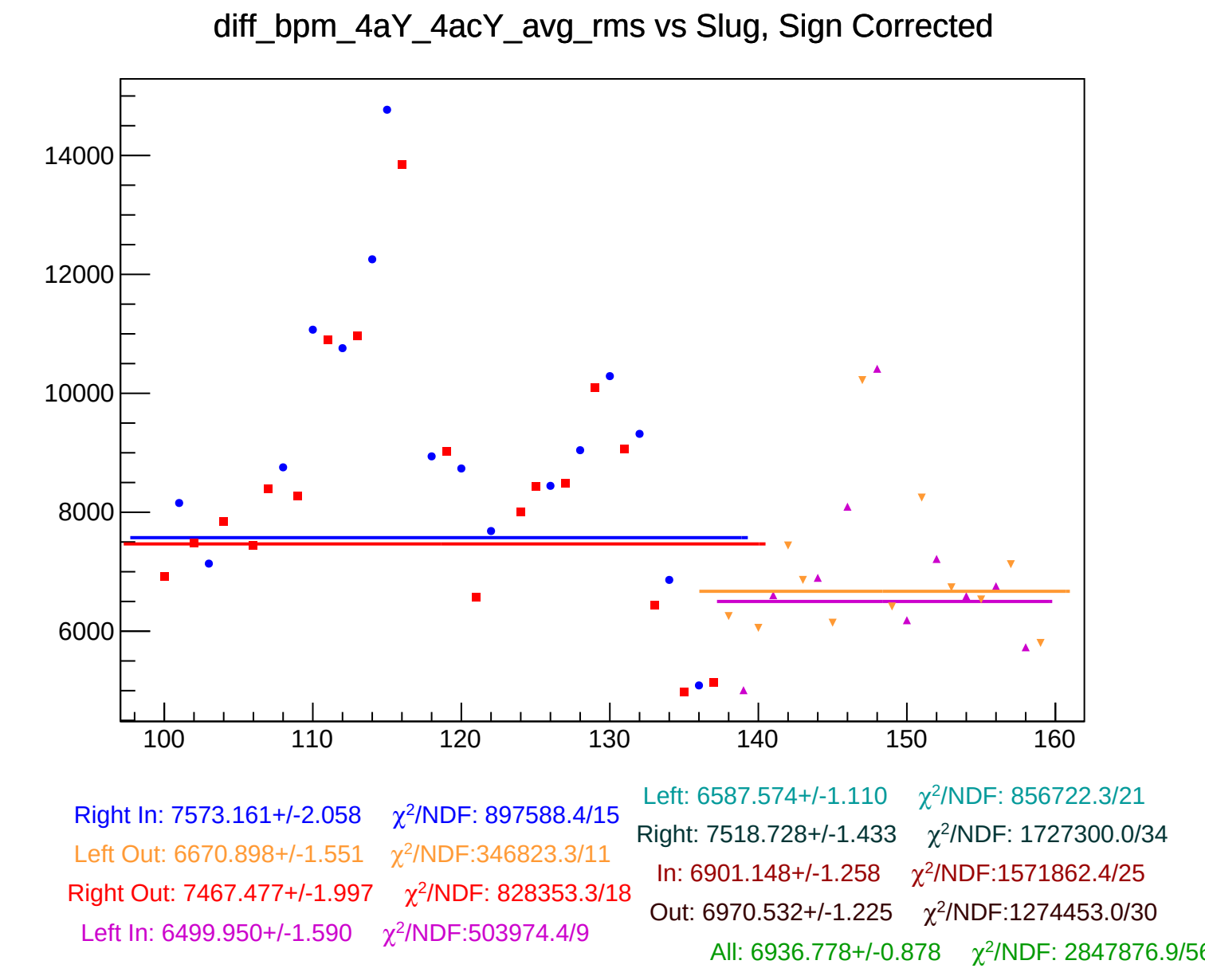
Left: 1.398+/-1.570 χ^2/NDF: 30.4/21

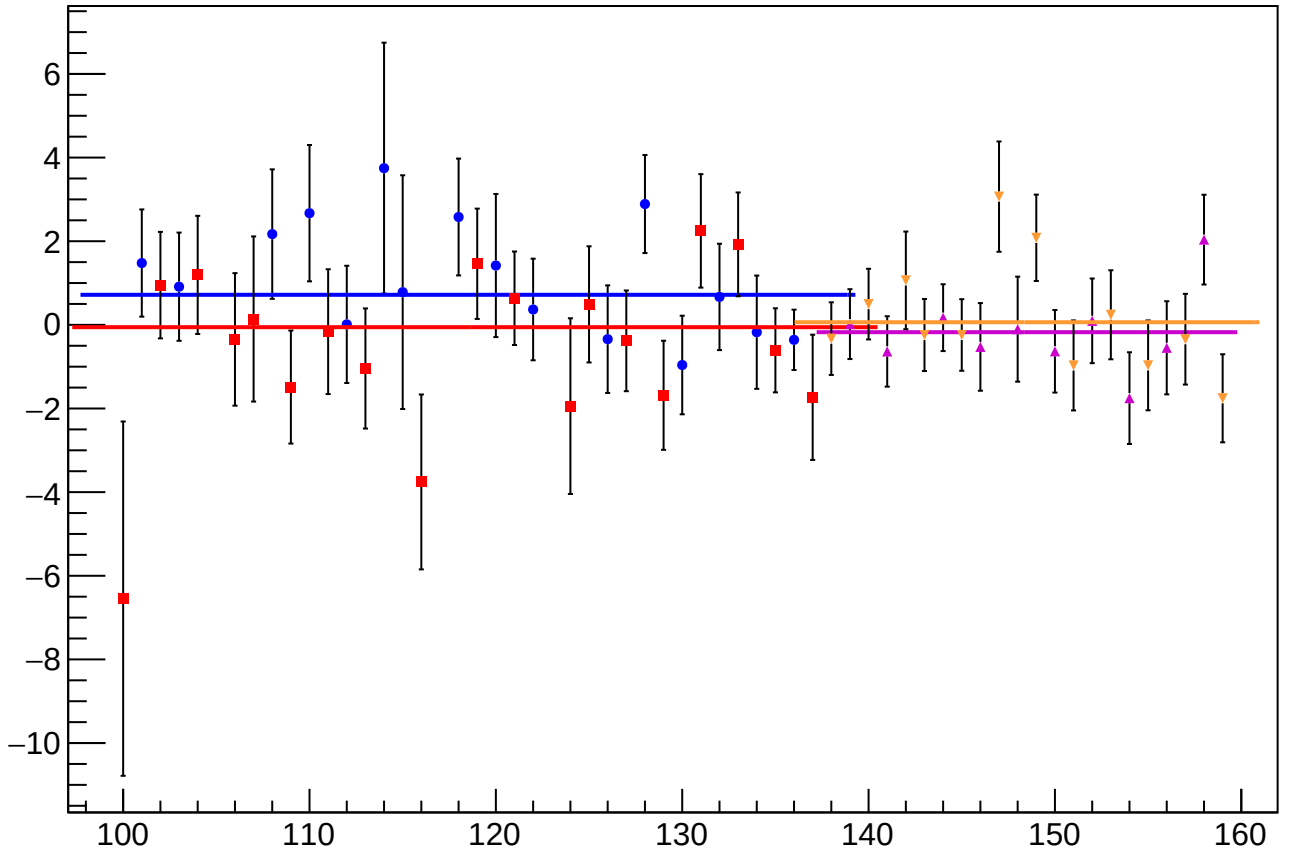
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.595+/-1.779 χ^2/NDF:25.7/25

Out: 1.258+/-1.732 χ^2/NDF:36.2/30

All: -0.617+/-1.241 χ^2/NDF: 64.3/56


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6670.898+/-1.551 χ²/NDF:346823.3/11
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6499.950+/-1.590 χ²/NDF:503974.4/9
Left: 6587.574+/-1.110 χ²/NDF: 856722.3/21
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6901.148+/-1.258 χ²/NDF:1571862.4/25
Out: 6970.532+/-1.225 χ²/NDF:1274453.0/30
All: 6936.778+/-0.878 χ²/NDF: 2847876.9/56



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.063+/-0.288 χ^2/NDF:15.5/11

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.175+/-0.309 χ^2/NDF:7.4/9

Left: -0.048+/-0.211 χ^2/NDF: 23.1/21

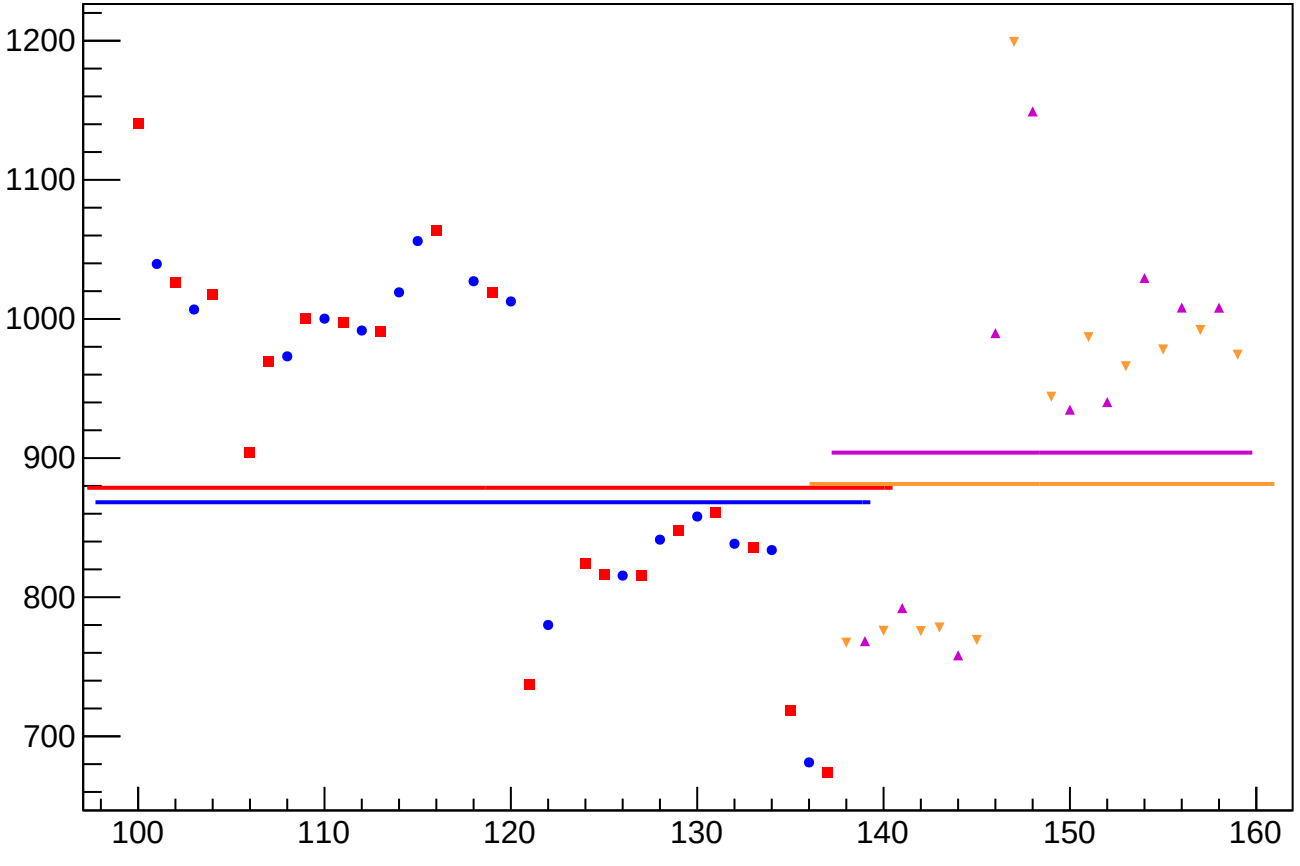
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.248+/-0.224 χ^2/NDF:26.1/25

Out: 0.010+/-0.215 χ^2/NDF:35.3/30

All: 0.124+/-0.155 χ^2/NDF: 62.0/56

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 881.402+/-0.204 χ^2/NDF:353021.0/11

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 903.931+/-0.219 χ^2/NDF:311283.1/9

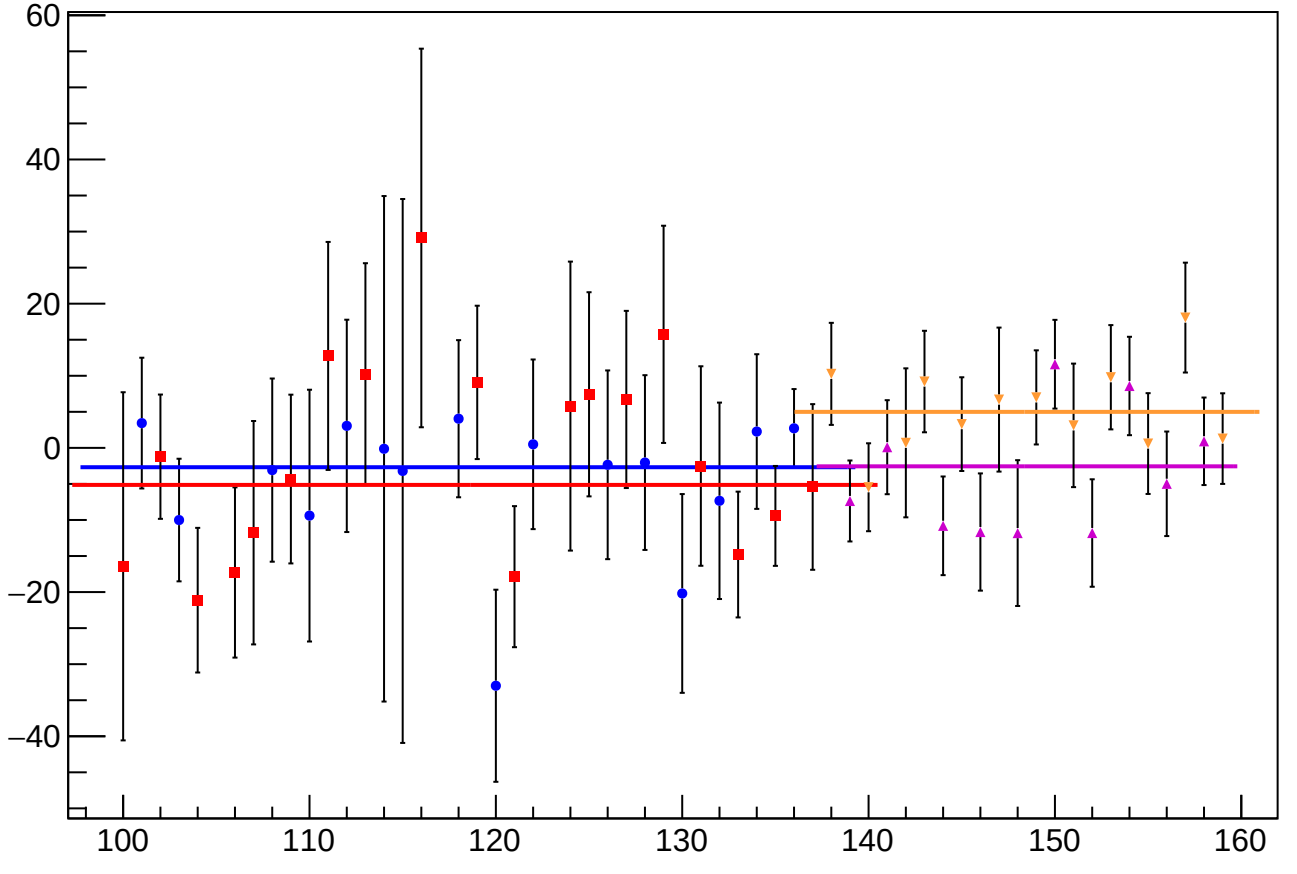
Left: 891.874+/-0.149 χ^2/NDF: 669988.9/21

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 887.034+/-0.159 χ^2/NDF:626309.5/25

Out: 880.188+/-0.152 χ^2/NDF:625632.0/30

All: 883.468+/-0.110 χ^2/NDF: 1252912.3/56



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.995+/-2.088 χ^2/NDF:8.4/11

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.560+/-2.164 χ^2/NDF:14.4/9

Left: 1.352+/-1.503 χ^2/NDF: 29.1/21

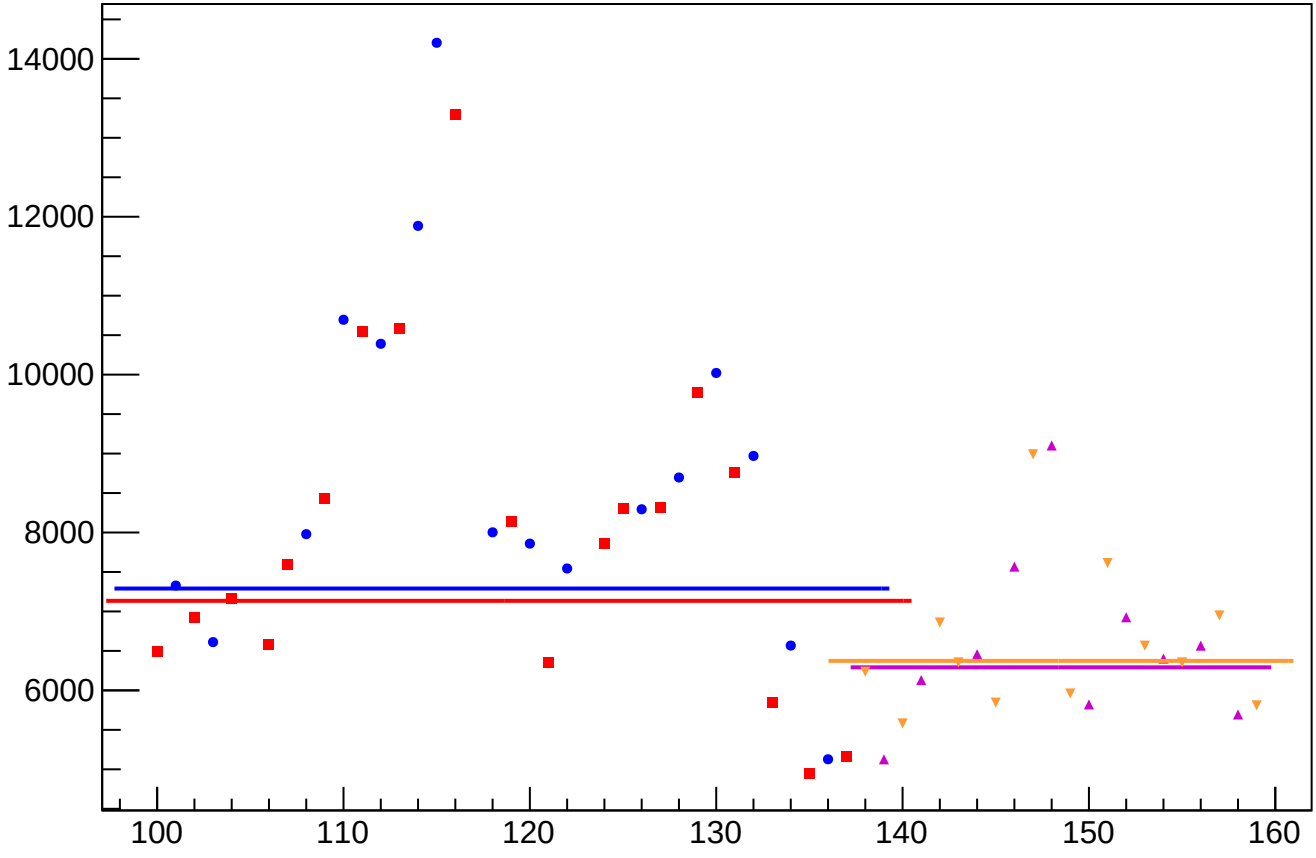
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.606+/-1.709 χ^2/NDF:24.5/25

Out: 1.189+/-1.650 χ^2/NDF:34.5/30

All: -0.641+/-1.187 χ^2/NDF: 61.5/56

diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6373.853+/-1.477 χ^2/NDF:268421.5/11

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6292.127+/-1.530 χ^2/NDF:341211.0/9

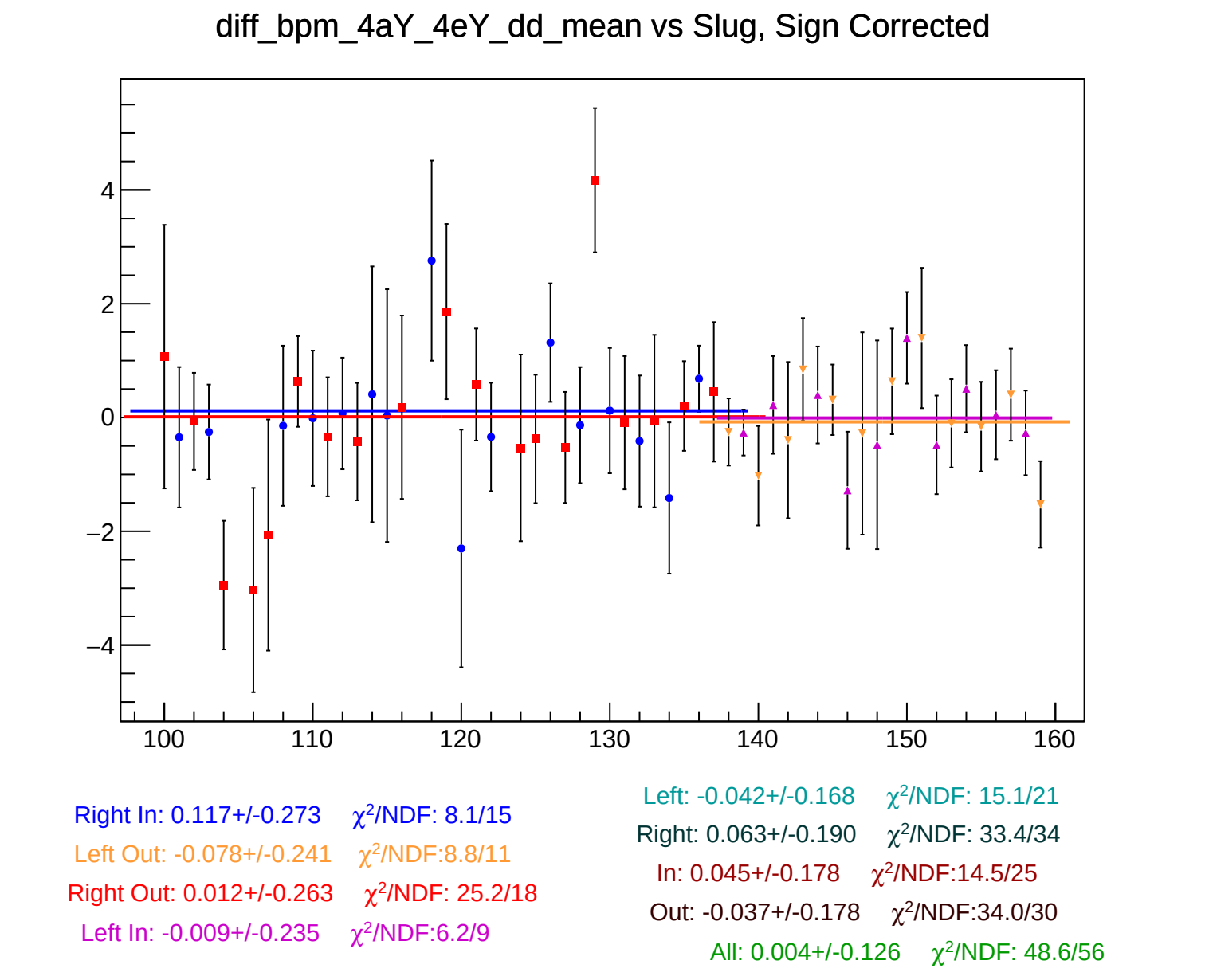
Left: 6334.442+/-1.062 χ^2/NDF: 611109.7/21

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

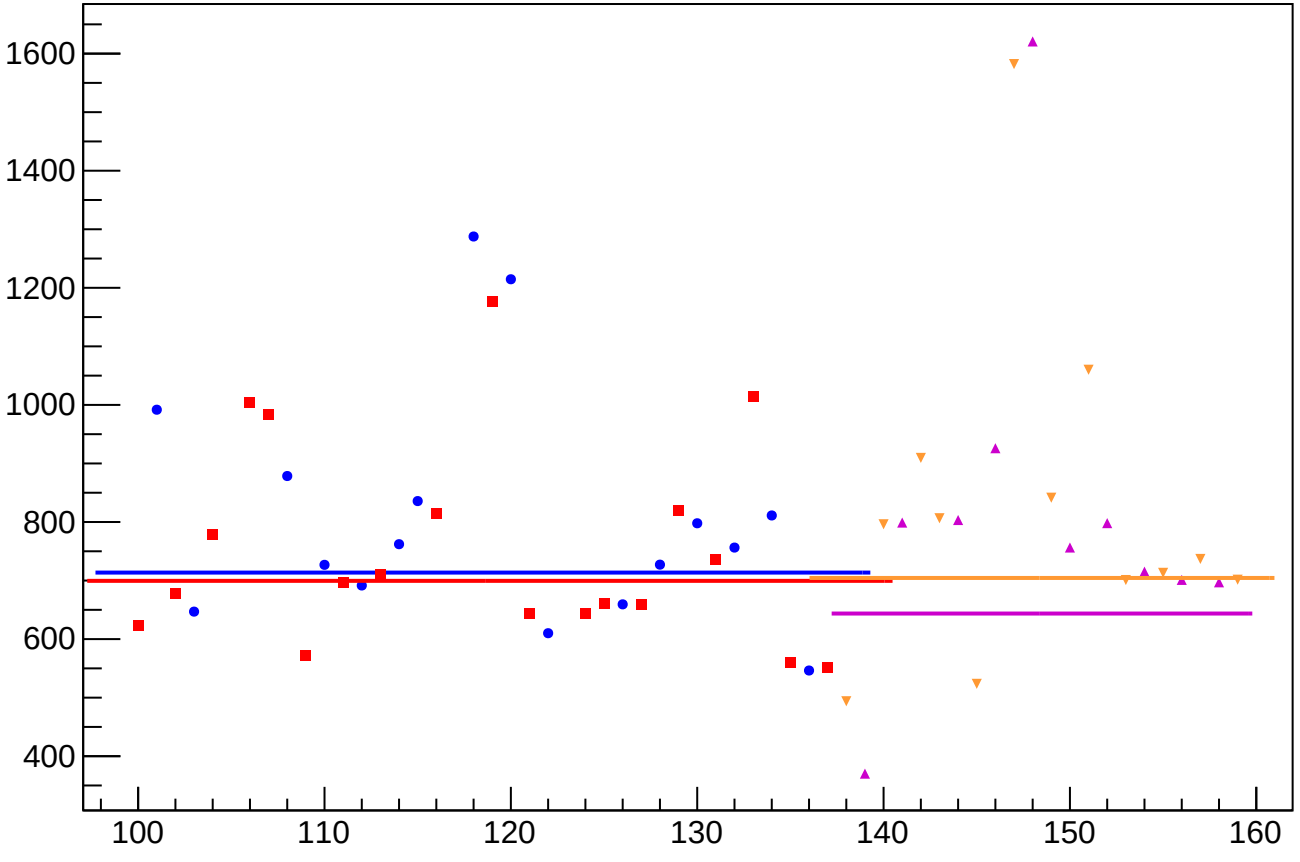
In: 6667.303+/-1.209 χ^2/NDF:1271691.3/25

Out: 6659.587+/-1.167 χ^2/NDF:1160881.3/30

All: 6663.309+/-0.839 χ^2/NDF: 2432593.6/56


diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: 0.117+/-0.273 χ²/NDF: 8.1/15
Left Out: -0.078+/-0.241 χ²/NDF:8.8/11
Right Out: 0.012+/-0.263 χ²/NDF: 25.2/18
Left In: -0.009+/-0.235 χ²/NDF:6.2/9
Left: -0.042+/-0.168 χ²/NDF: 15.1/21
Right: 0.063+/-0.190 χ²/NDF: 33.4/34
In: 0.045+/-0.178 χ²/NDF:14.5/25
Out: -0.037+/-0.178 χ²/NDF:34.0/30
All: 0.004+/-0.126 χ²/NDF: 48.6/56

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 704.436+/-0.170 χ^2/NDF:1219107.7/11

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 643.664+/-0.166 χ^2/NDF:1916215.3/9

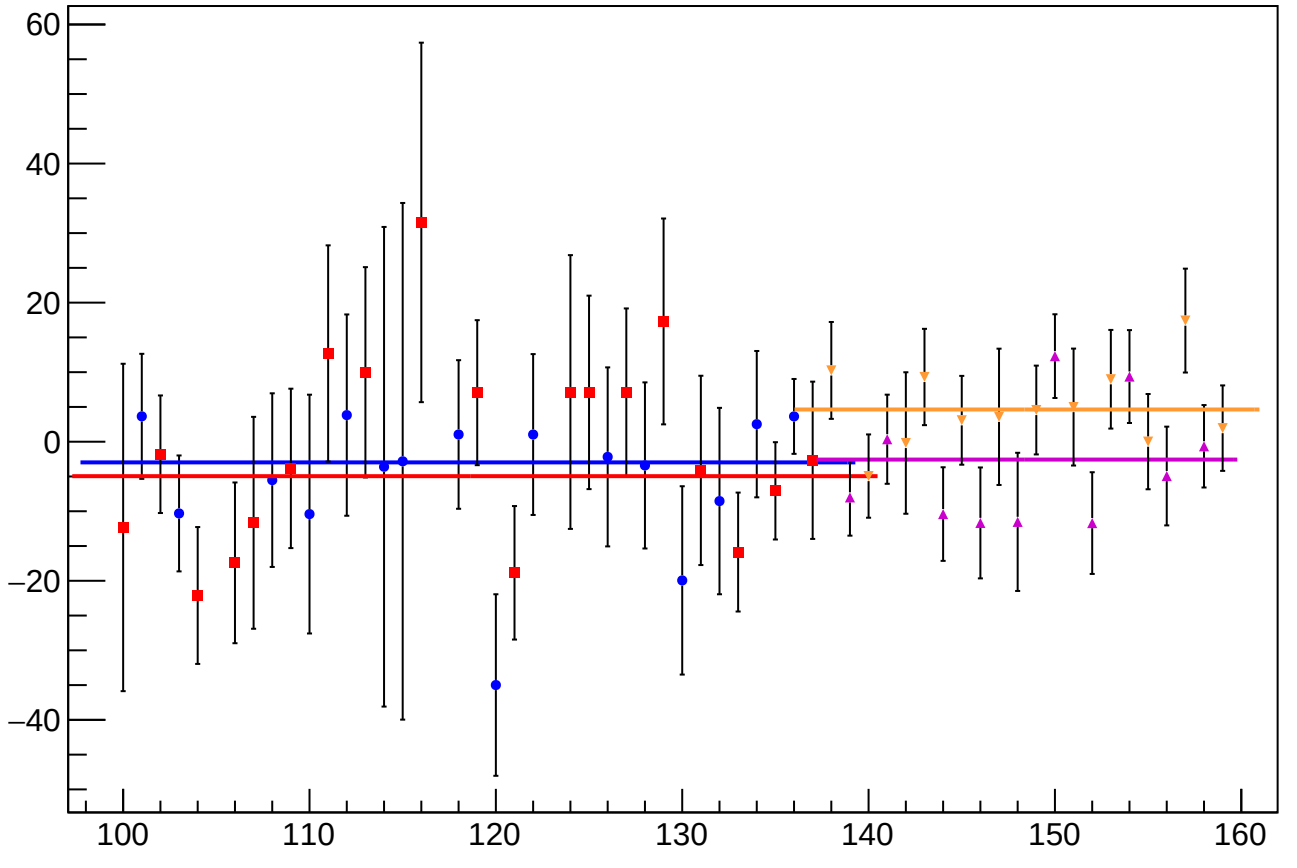
Left: 673.251+/-0.119 χ^2/NDF: 3200606.6/21

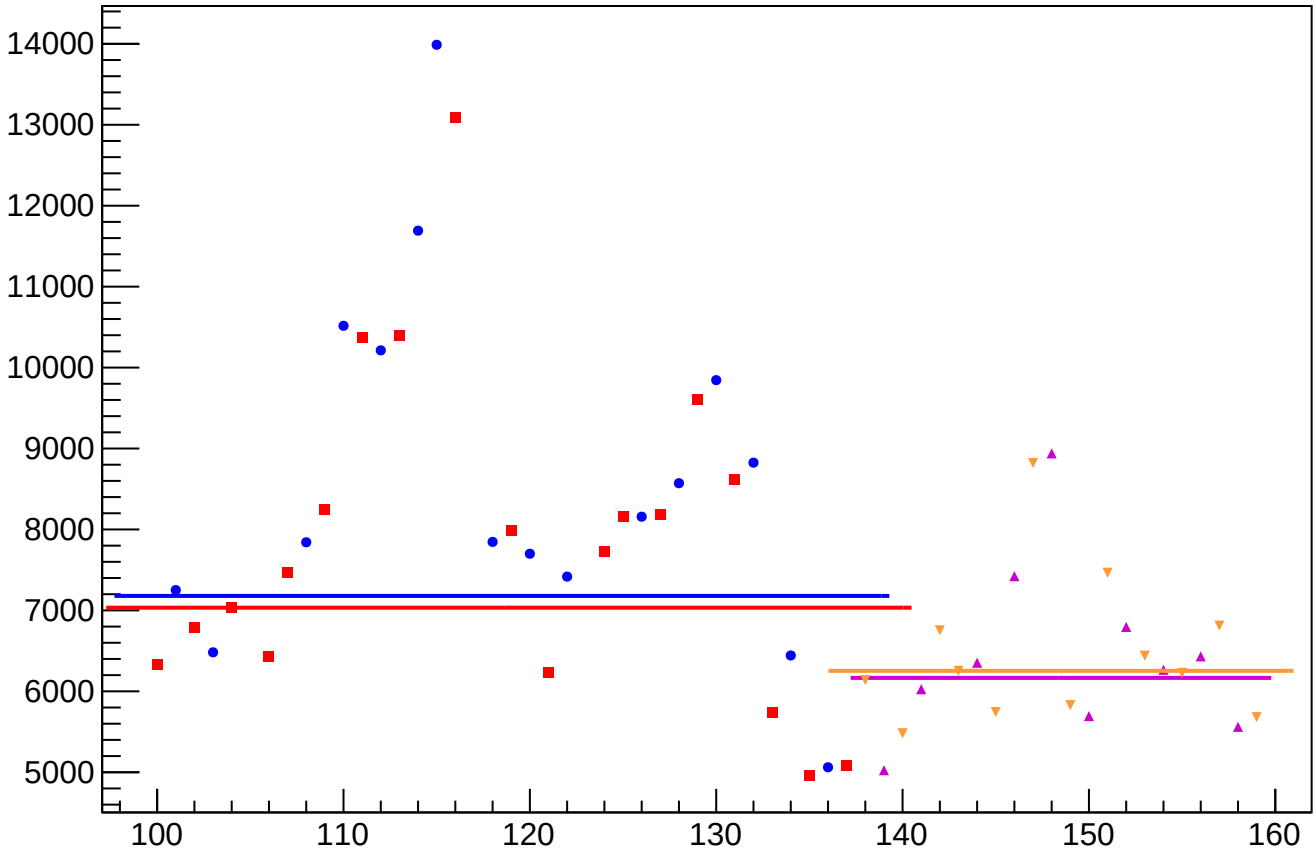
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 673.377+/-0.126 χ^2/NDF:2690997.8/25

Out: 702.186+/-0.126 χ^2/NDF:1795249.8/30

All: 687.805+/-0.089 χ^2/NDF: 4512480.2/56


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 4.632+/-2.049 χ²/NDF:7.9/11
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -2.569+/-2.121 χ²/NDF:15.7/9
Left: 1.156+/-1.474 χ²/NDF: 29.6/21
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -2.720+/-1.679 χ²/NDF:27.3/25
Out: 1.050+/-1.622 χ²/NDF:34.6/30
All: -0.770+/-1.166 χ²/NDF: 64.5/56



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6253.229+/-1.449 χ^2/NDF:268946.0/11

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6166.006+/-1.500 χ^2/NDF:345126.6/9

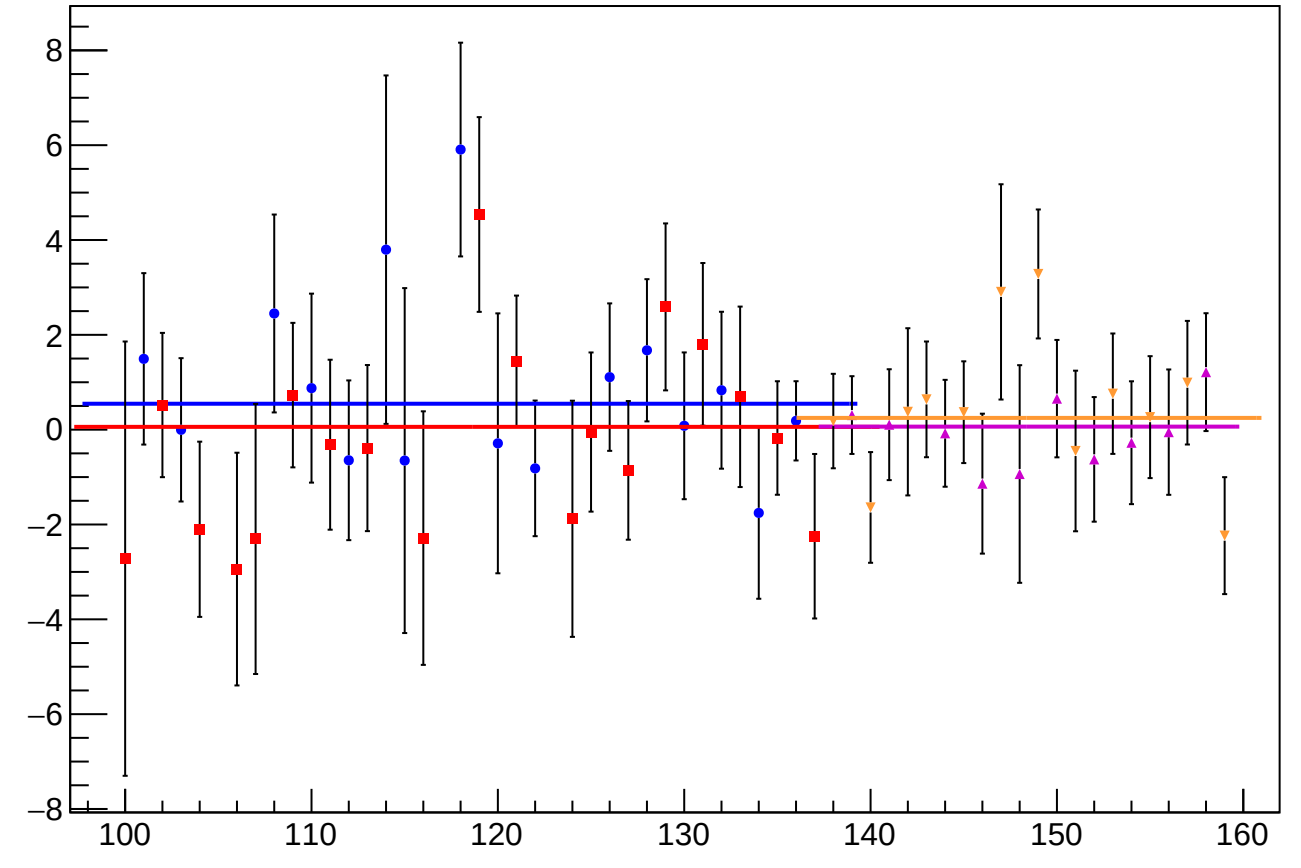
Left: 6211.122+/-1.042 χ^2/NDF: 615822.2/21

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6544.489+/-1.187 χ^2/NDF:1277504.5/25

Out: 6544.752+/-1.147 χ^2/NDF:1143697.3/30

All: 6544.625+/-0.825 χ^2/NDF: 2421201.8/56



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.248+/-0.374 χ^2/NDF:13.8/11

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.064+/-0.386 χ^2/NDF:2.4/9

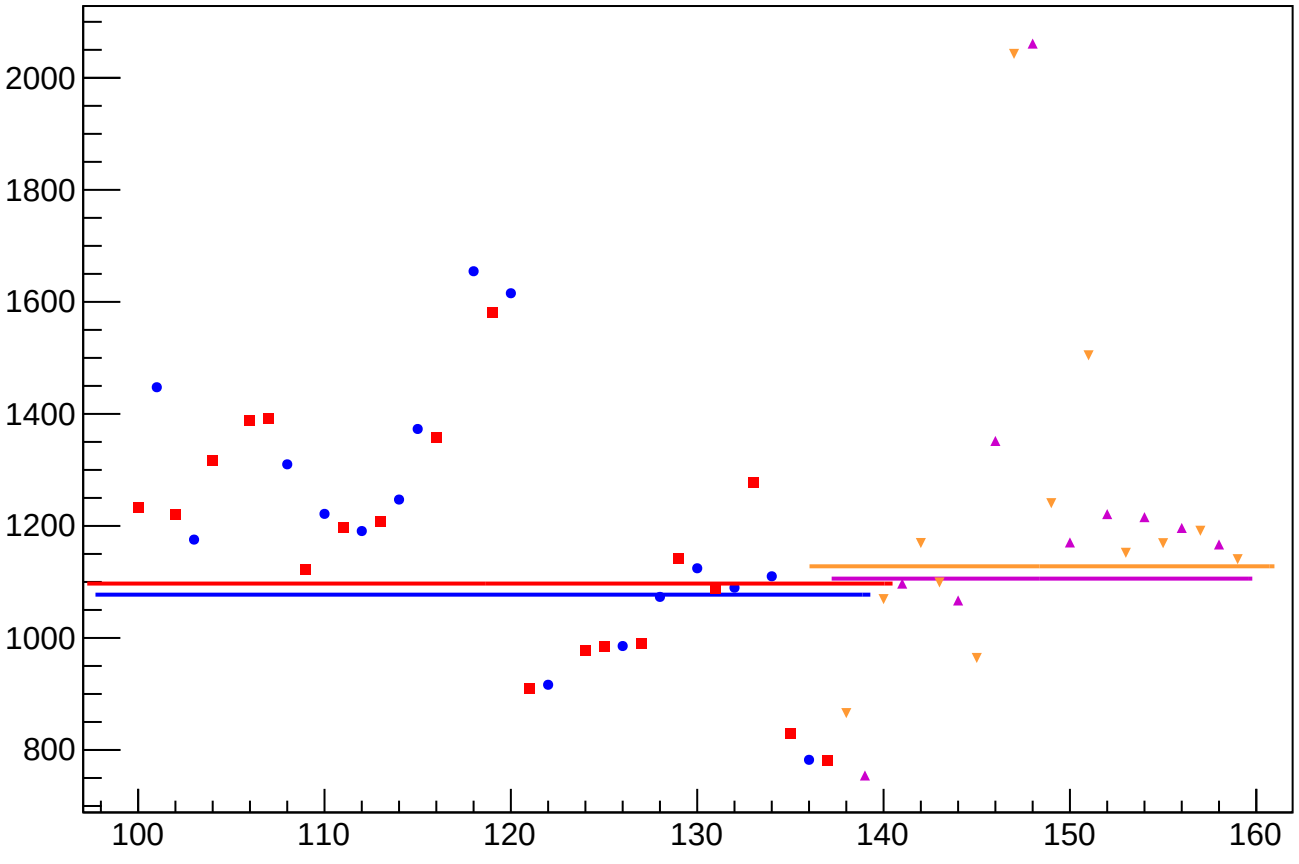
Left: 0.159+/-0.269 χ^2/NDF: 16.3/21

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.291+/-0.281 χ^2/NDF:15.1/25

Out: 0.162+/-0.276 χ^2/NDF:30.8/30

All: 0.225+/-0.197 χ^2/NDF: 45.9/56



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1127.923+/-0.264 χ^2/NDF:637381.8/11

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1105.931+/-0.273 χ^2/NDF:821206.6/9

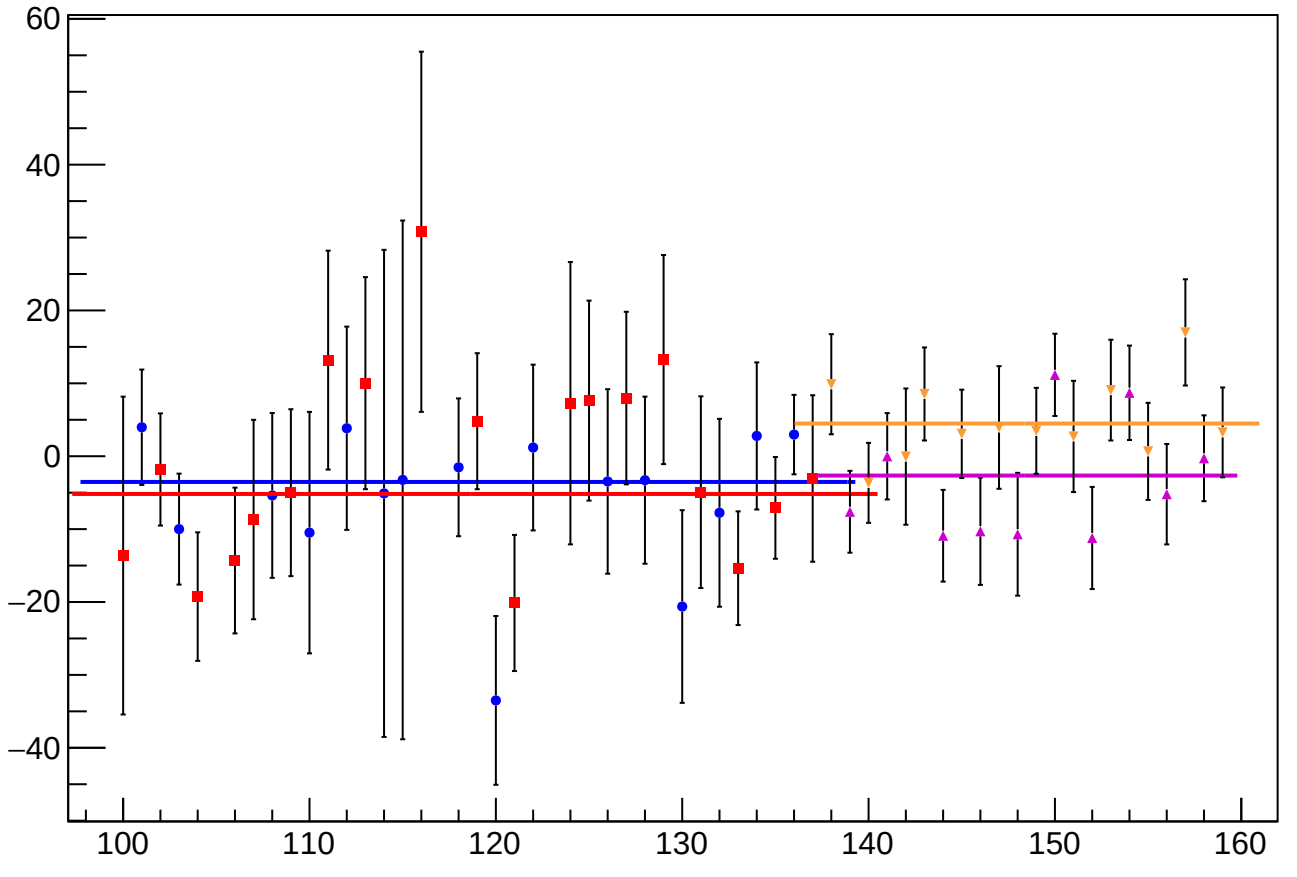
Left: 1117.288+/-0.190 χ^2/NDF: 1461936.3/21

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1092.501+/-0.199 χ^2/NDF:1472881.3/25

Out: 1113.893+/-0.195 χ^2/NDF:1127941.3/30

All: 1103.410+/-0.139 χ^2/NDF: 2606715.5/56



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.483+/-1.938 χ^2/NDF:7.3/11

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.653+/-2.026 χ^2/NDF:15.6/9

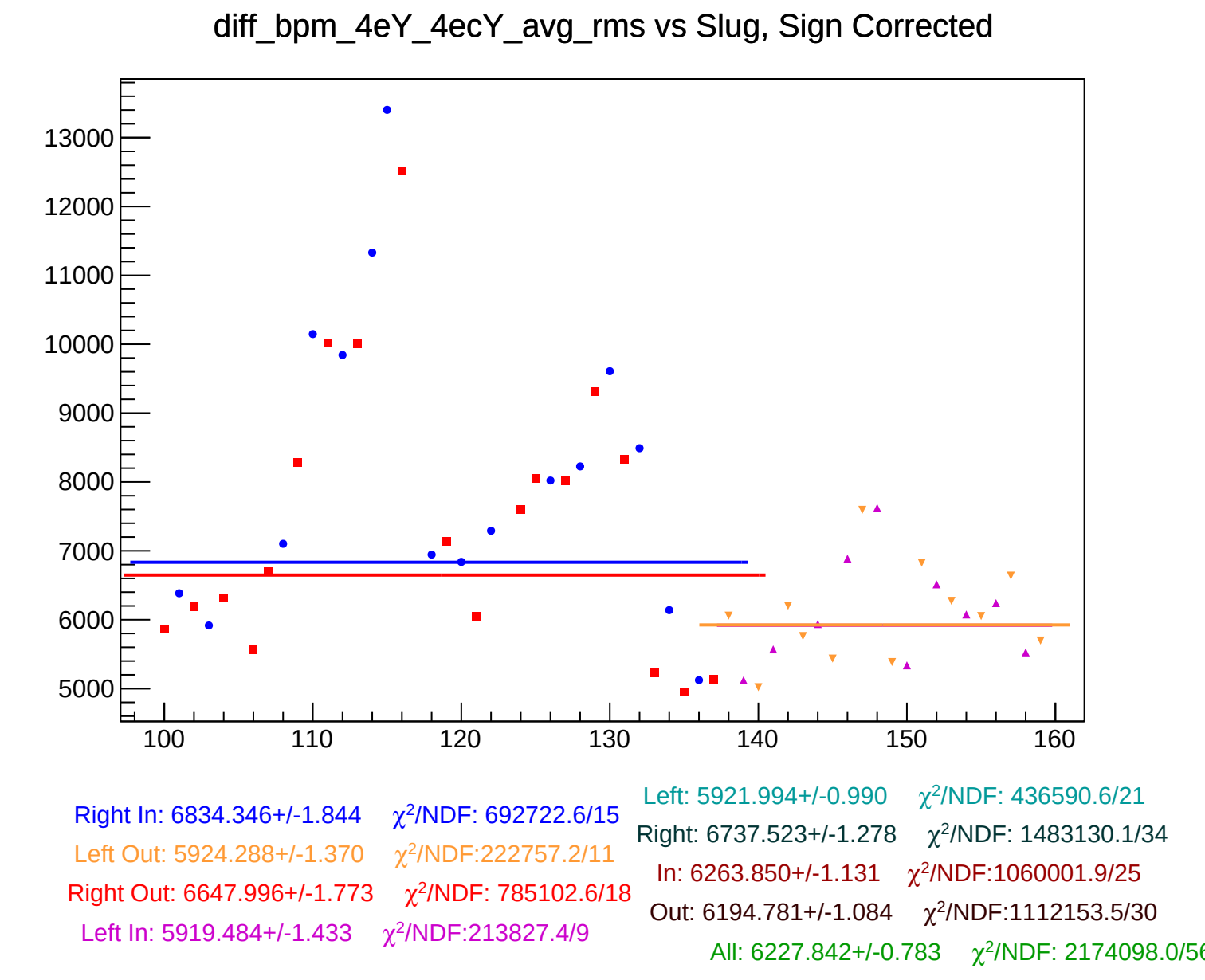
Left: 1.075+/-1.400 χ^2/NDF: 29.4/21

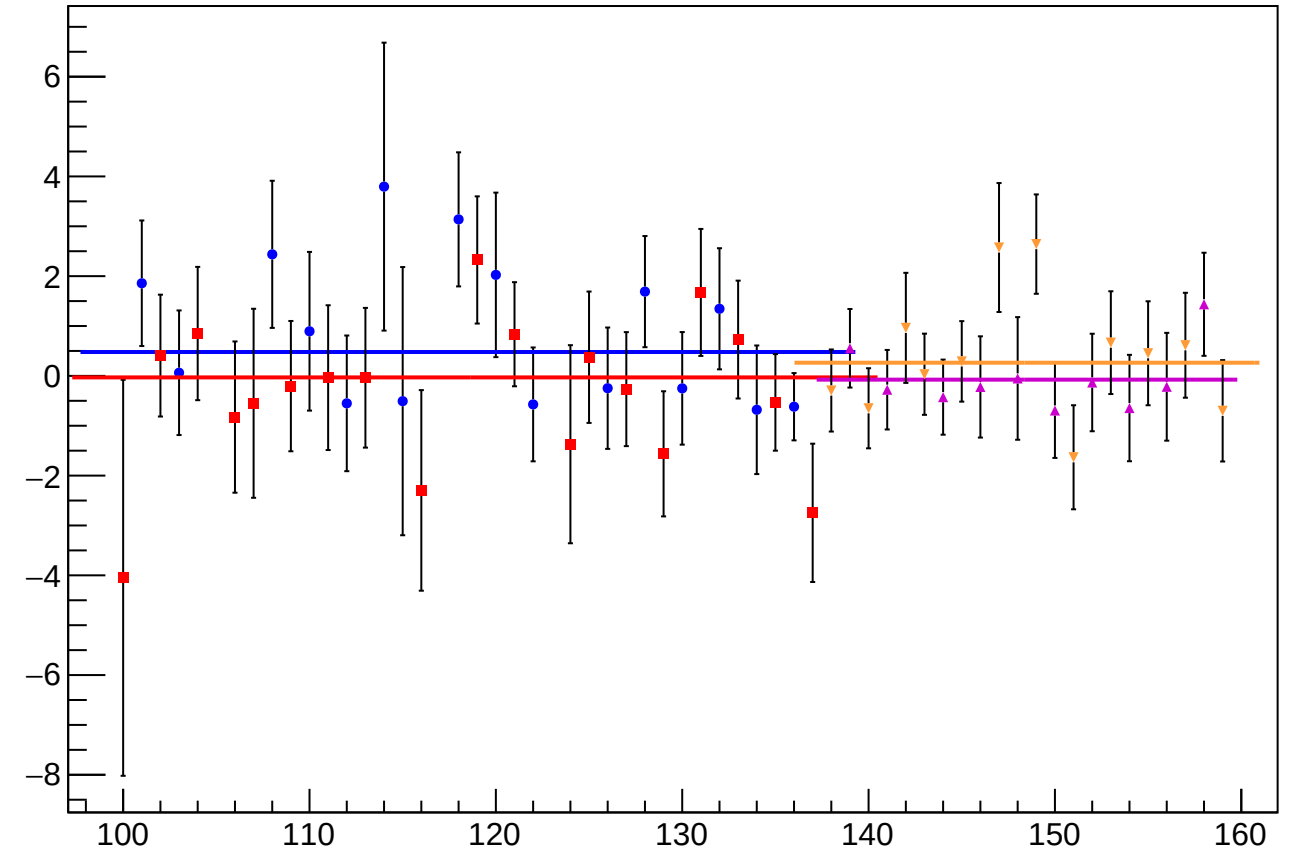
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.982+/-1.600 χ^2/NDF:28.2/25

Out: 0.873+/-1.533 χ^2/NDF:34.8/30

All: -0.972+/-1.107 χ^2/NDF: 66.1/56


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
Right In: 6834.346+/-1.844 χ²/NDF: 692722.6/15
Left Out: 5924.288+/-1.370 χ²/NDF:222757.2/11
Right Out: 6647.996+/-1.773 χ²/NDF: 785102.6/18
Left In: 5919.484+/-1.433 χ²/NDF:213827.4/9
Left: 5921.994+/-0.990 χ²/NDF: 436590.6/21
Right: 6737.523+/-1.278 χ²/NDF: 1483130.1/34
In: 6263.850+/-1.131 χ²/NDF:1060001.9/25
Out: 6194.781+/-1.084 χ²/NDF:1112153.5/30
All: 6227.842+/-0.783 χ²/NDF: 2174098.0/56



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.264+/-0.276 χ^2/NDF:15.6/11

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.076+/-0.296 χ^2/NDF:3.8/9

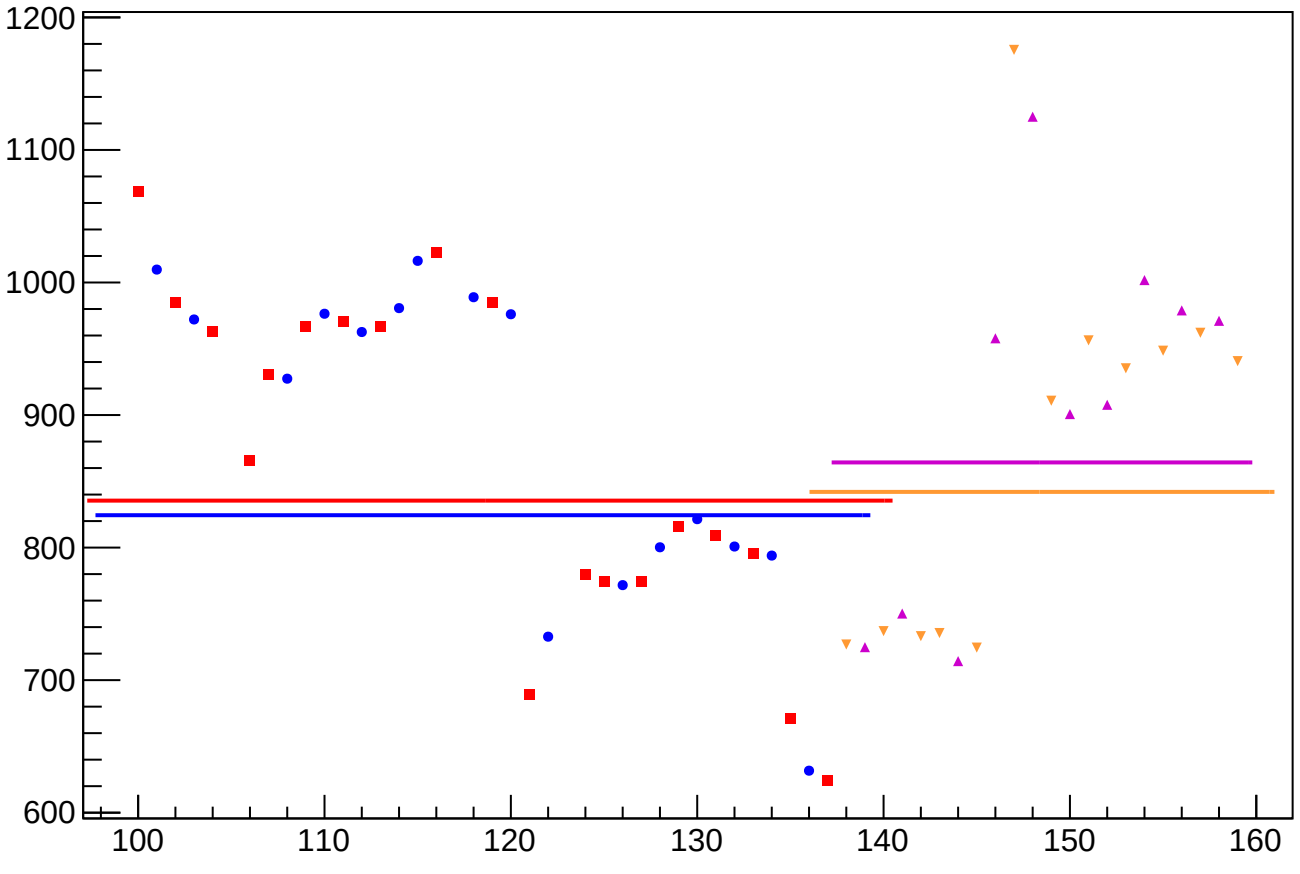
Left: 0.106+/-0.202 χ^2/NDF: 20.1/21

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.188+/-0.214 χ^2/NDF:22.2/25

Out: 0.133+/-0.206 χ^2/NDF:31.8/30

All: 0.160+/-0.148 χ^2/NDF: 54.1/56



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 842.023+/-0.195 χ^2/NDF:418138.0/11

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 864.249+/-0.209 χ^2/NDF:373788.6/9

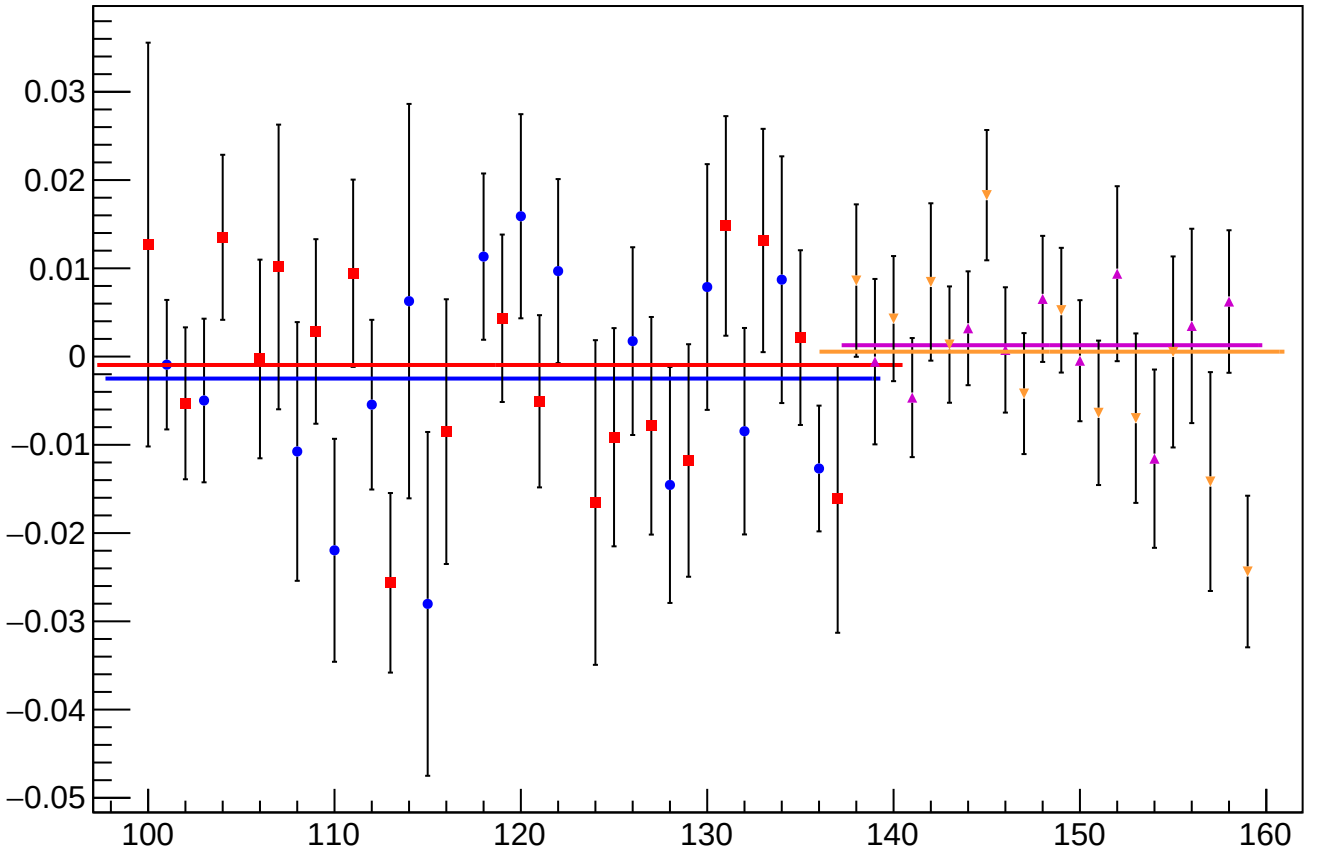
Left: 852.345+/-0.143 χ^2/NDF: 797959.6/21

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 845.299+/-0.152 χ^2/NDF:756455.4/25

Out: 839.098+/-0.145 χ^2/NDF:737946.7/30

All: 842.069+/-0.105 χ^2/NDF: 1495273.7/56



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:19.8/11

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:4.2/9

Left: 0.001+/-0.002 χ^2/NDF: 24.1/21

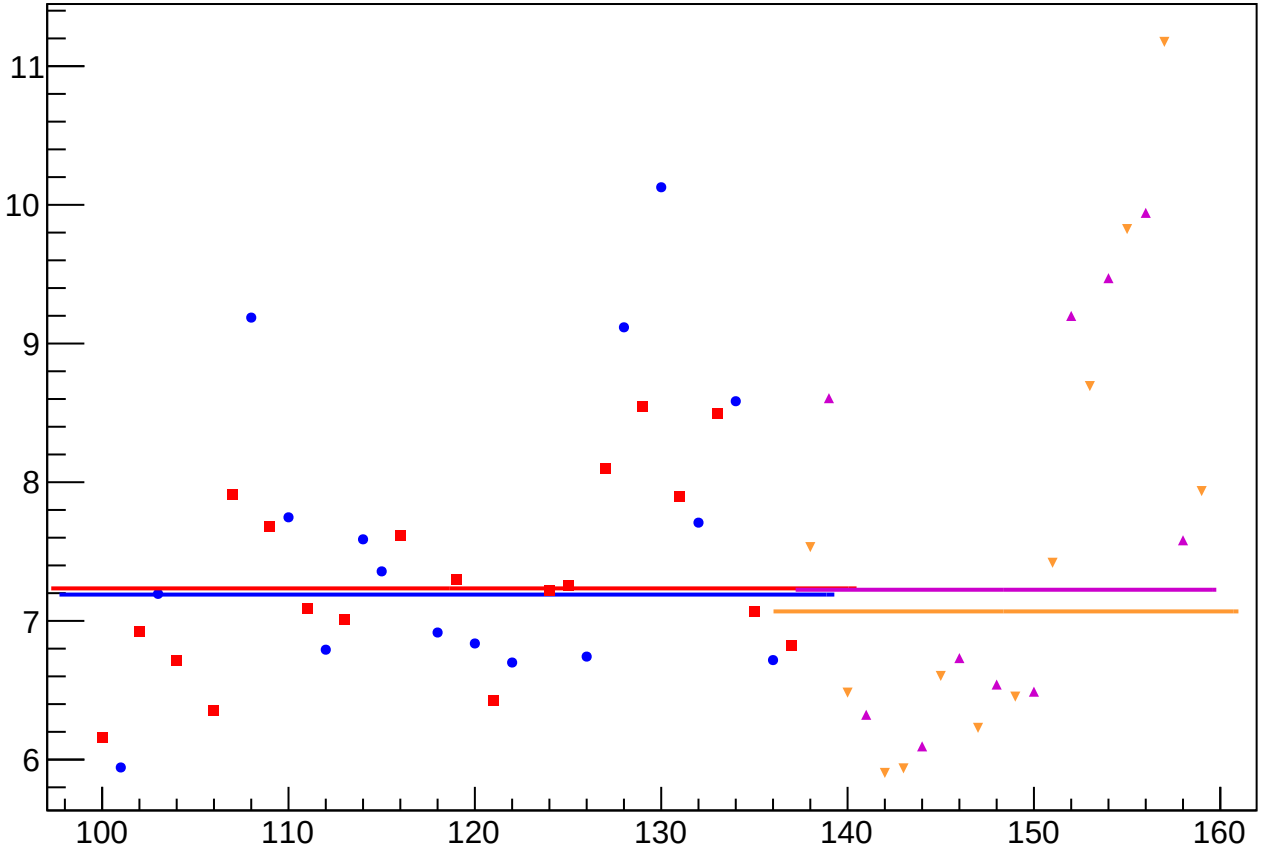
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:20.6/25

Out: -0.000+/-0.002 χ^2/NDF:37.3/30

All: -0.000+/-0.001 χ^2/NDF: 57.9/56

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.068+/-0.002 χ^2/NDF:596066.5/11

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.225+/-0.002 χ^2/NDF:495372.5/9

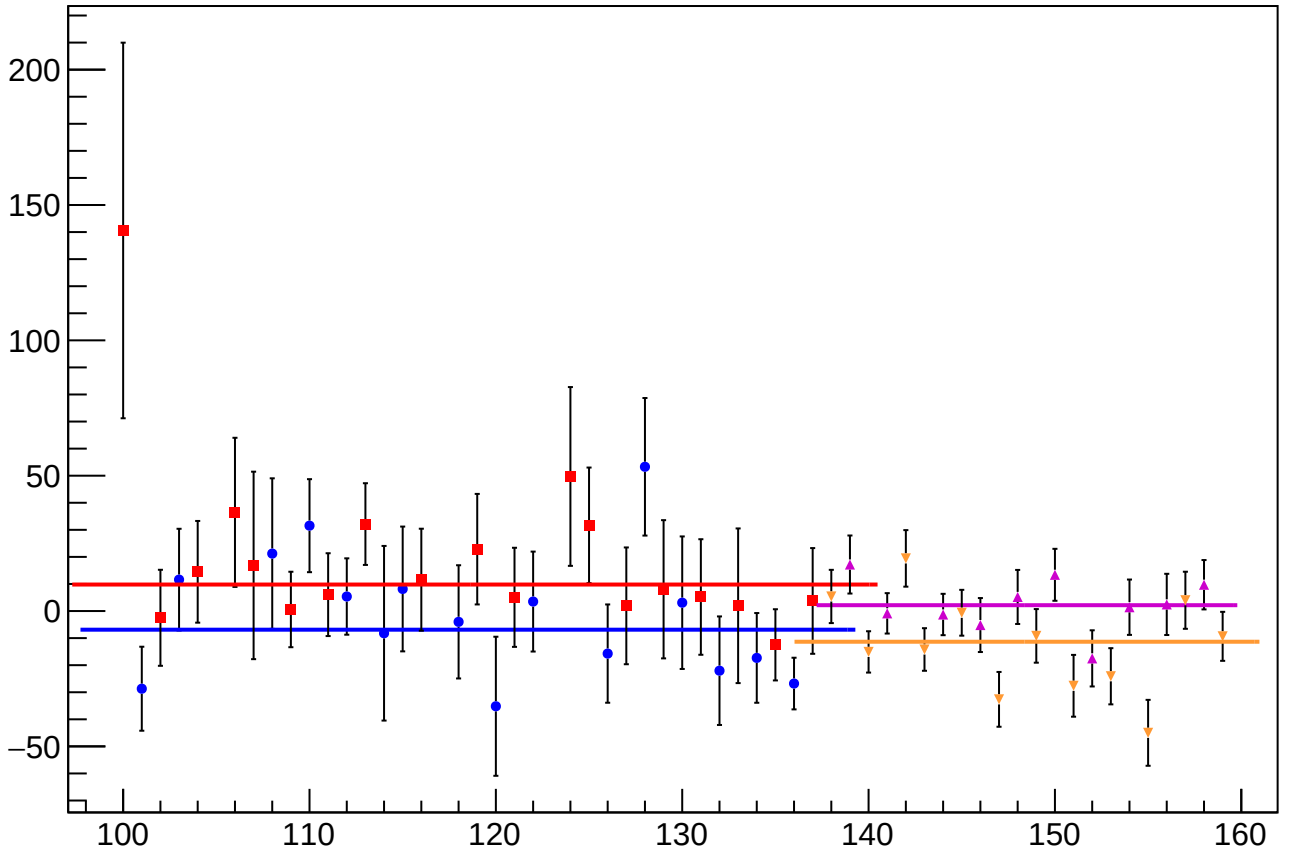
Left: 7.142+/-0.001 χ^2/NDF: 1095627.0/21

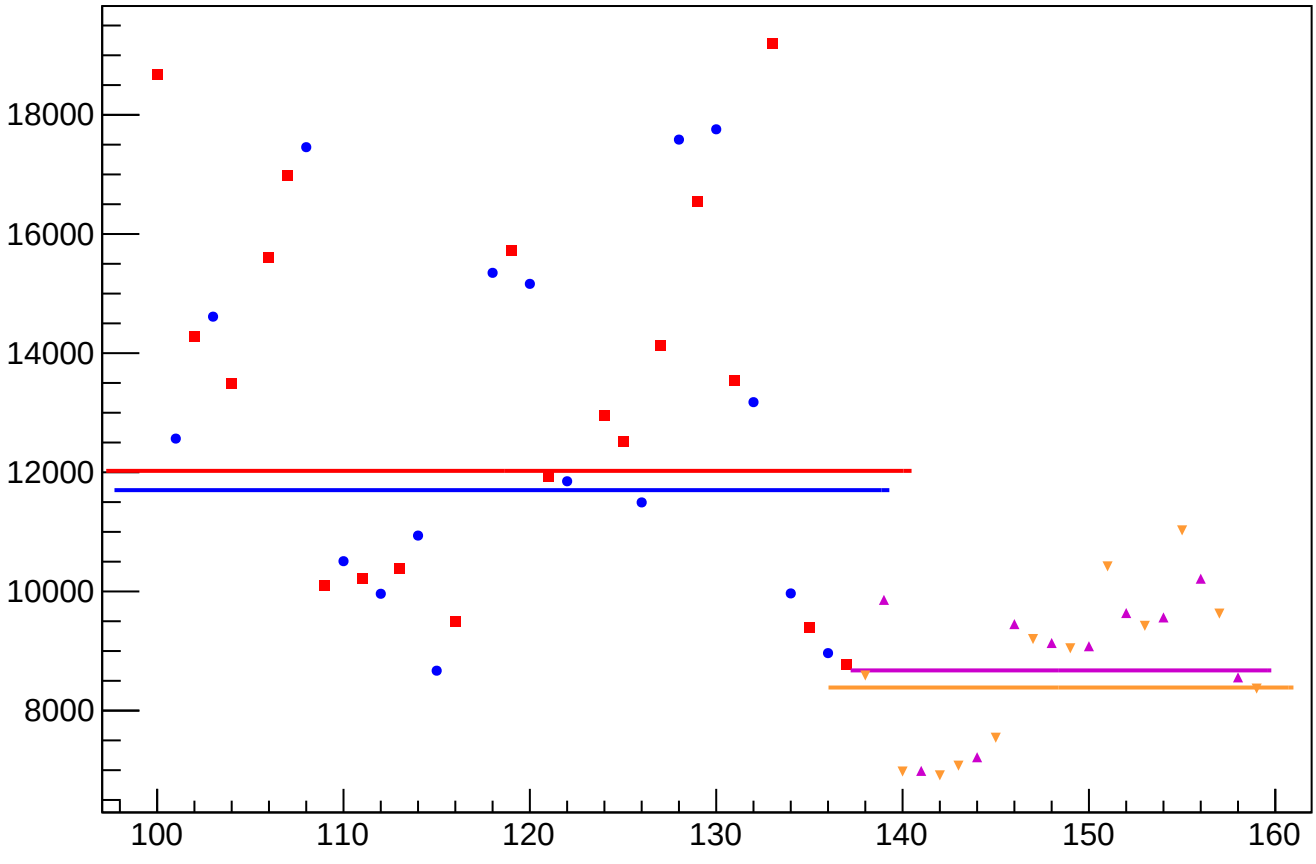
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.209+/-0.001 χ^2/NDF:773192.2/25

Out: 7.141+/-0.001 χ^2/NDF:706727.3/30

All: 7.173+/-0.001 χ^2/NDF: 1481351.0/56


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -11.340+/-2.756 χ²/NDF:31.4/11
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 2.158+/-2.969 χ²/NDF:8.6/9
Left: -5.091+/-2.020 χ²/NDF: 51.1/21
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -0.596+/-2.476 χ²/NDF:34.5/25
Out: -5.608+/-2.353 χ²/NDF:61.3/30
All: -3.230+/-1.706 χ²/NDF: 97.9/56



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8387.568+/-1.949 χ^2/NDF:411010.1/11

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8674.761+/-2.099 χ^2/NDF:289132.0/9

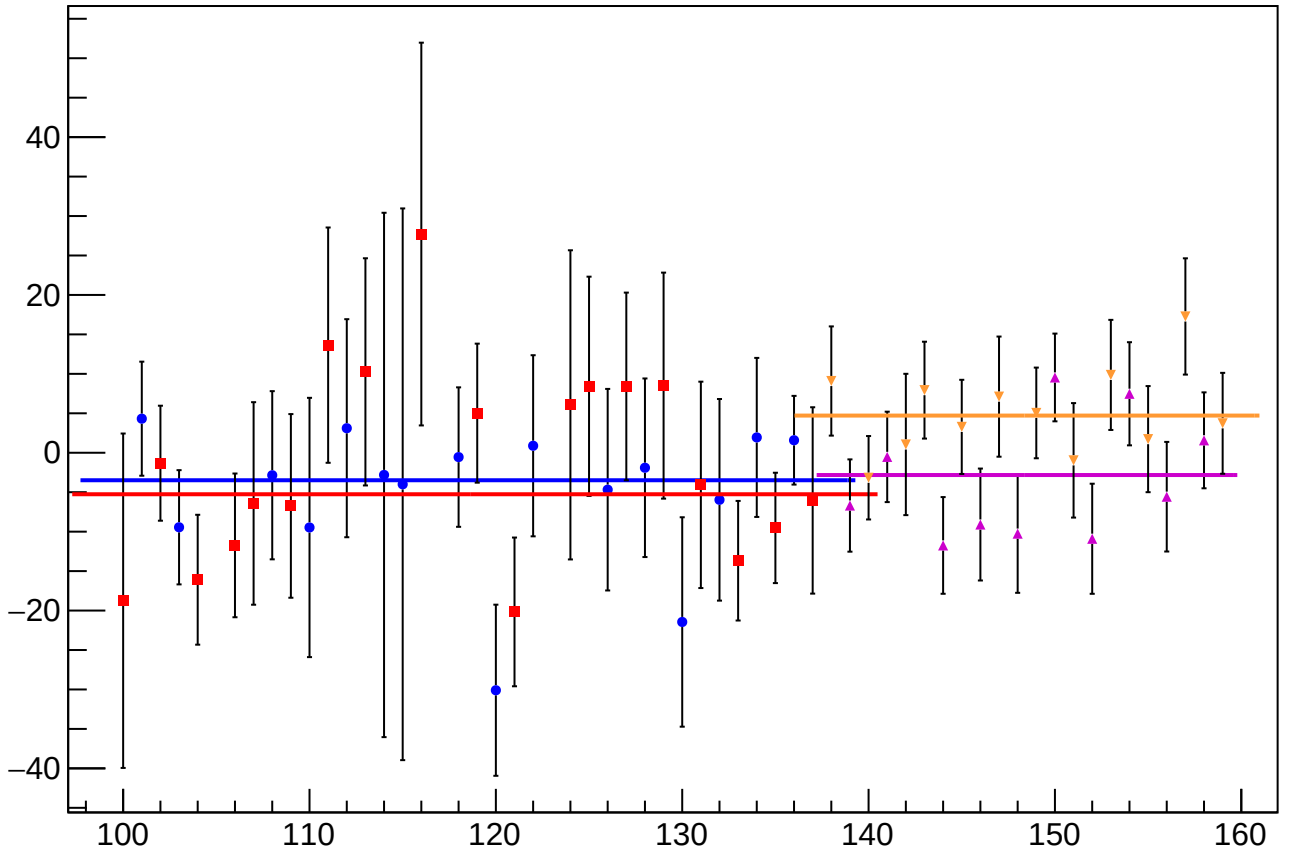
Left: 8520.522+/-1.428 χ^2/NDF: 710194.7/21

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9595.635+/-1.751 χ^2/NDF:1661665.6/25

Out: 9374.136+/-1.664 χ^2/NDF:2040367.4/30

All: 9479.238+/-1.206 χ^2/NDF: 3710443.4/56



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.712+/-1.904 χ^2/NDF:7.5/11

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -2.824+/-2.008 χ^2/NDF:13.9/9

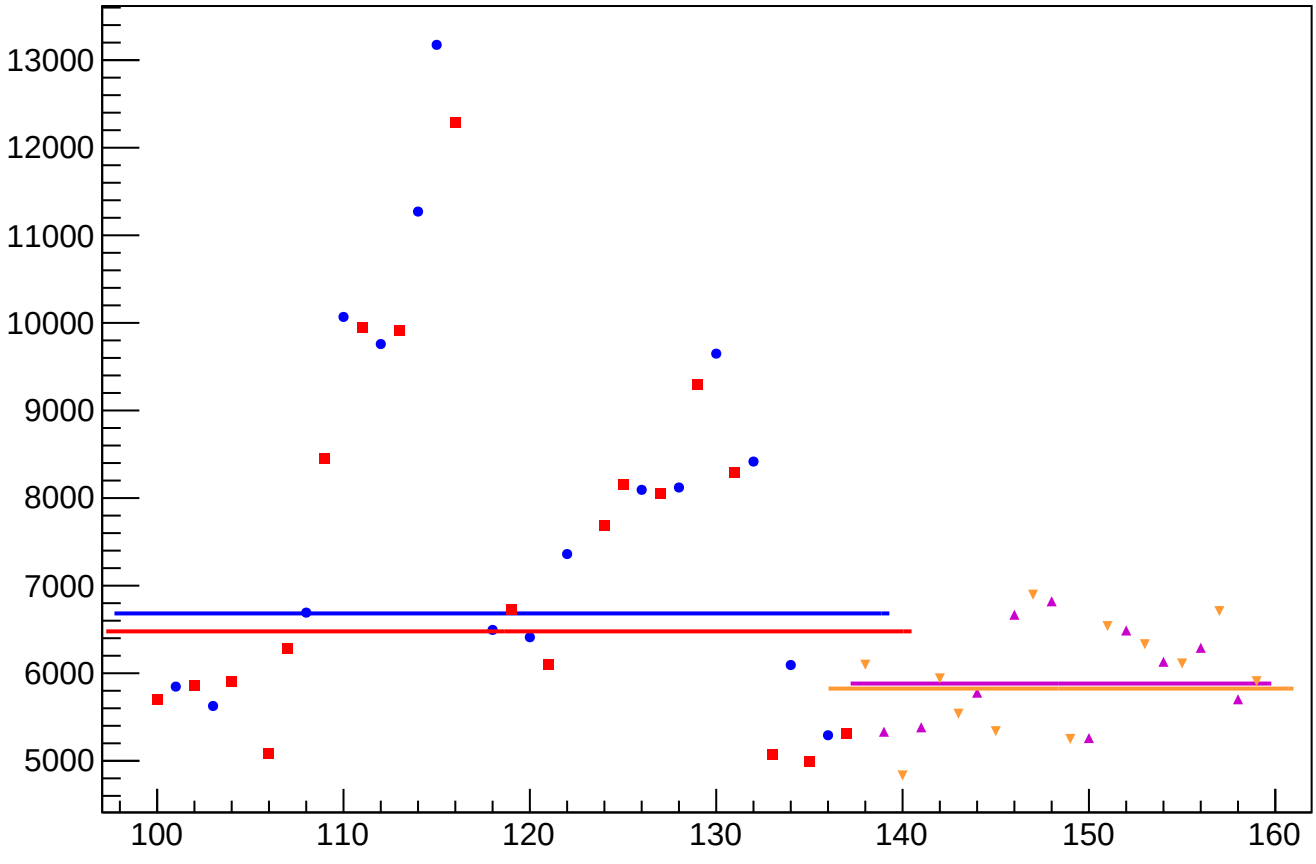
Left: 1.144+/-1.382 χ^2/NDF: 28.9/21

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.077+/-1.577 χ^2/NDF:25.5/25

Out: 0.950+/-1.503 χ^2/NDF:34.5/30

All: -0.965+/-1.088 χ^2/NDF: 63.3/56



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5825.093+/-1.346 χ^2/NDF:213851.8/11

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5882.468+/-1.420 χ^2/NDF:141005.3/9

Left: 5852.260+/-0.977 χ^2/NDF: 355717.1/21

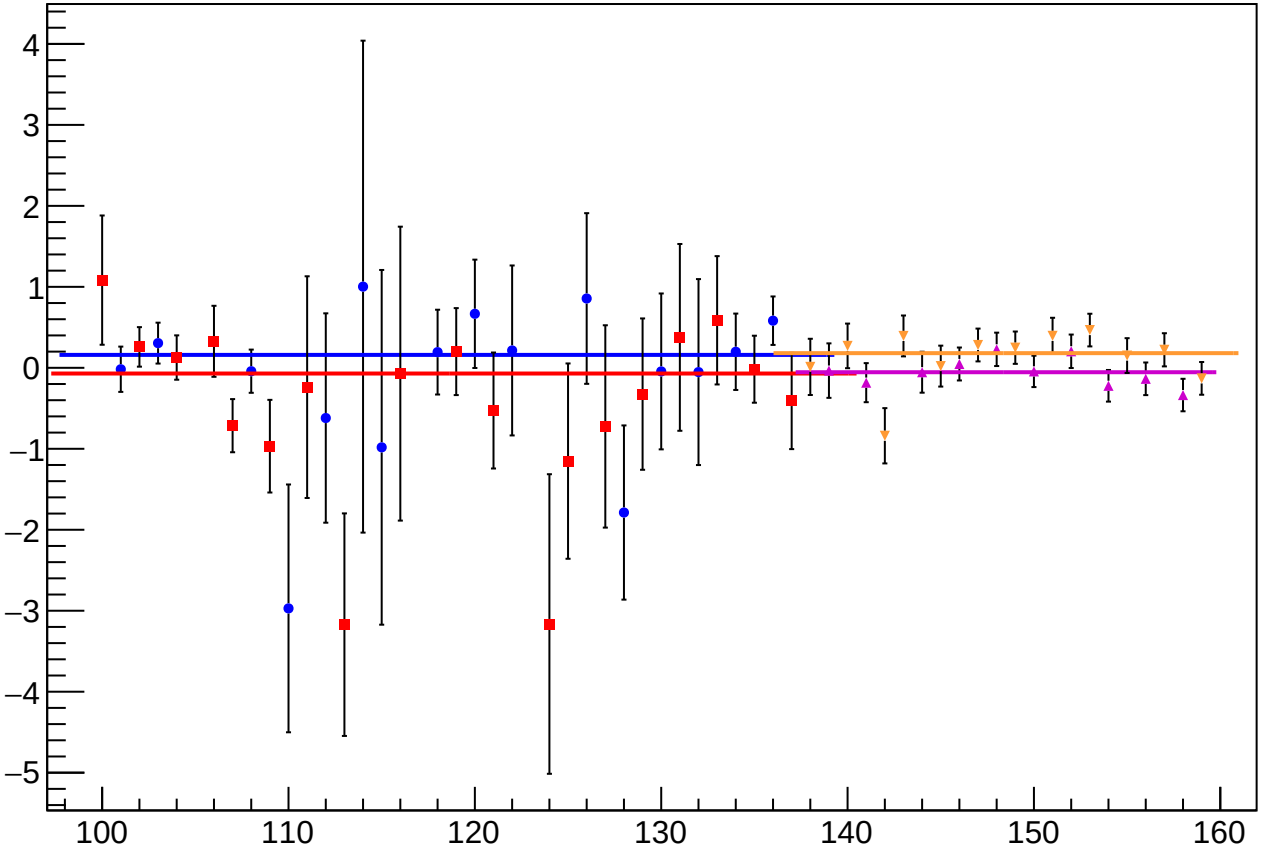
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6188.866+/-1.115 χ^2/NDF:954902.7/25

Out: 6071.443+/-1.062 χ^2/NDF:1141833.4/30

All: 6127.302+/-0.769 χ^2/NDF: 2102546.9/56

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.181+/-0.067 χ^2/NDF:16.1/11

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.054+/-0.068 χ^2/NDF:6.9/9

Left: 0.066+/-0.048 χ^2/NDF: 29.1/21

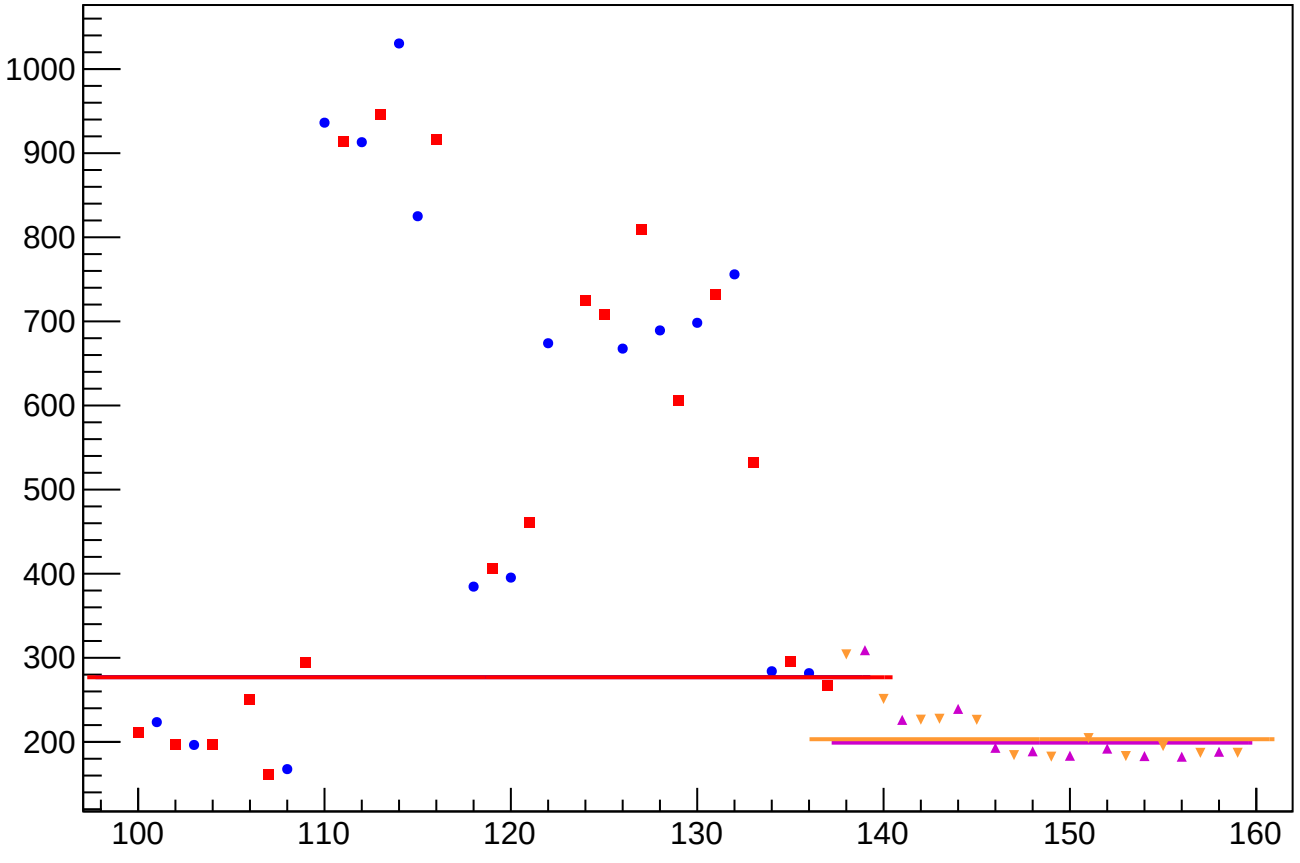
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.002+/-0.059 χ^2/NDF:21.9/25

Out: 0.122+/-0.058 χ^2/NDF:41.9/30

All: 0.061+/-0.042 χ^2/NDF: 66.0/56

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 203.208+/-0.047 χ^2/NDF:360786.1/11

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 199.124+/-0.048 χ^2/NDF:344099.1/9

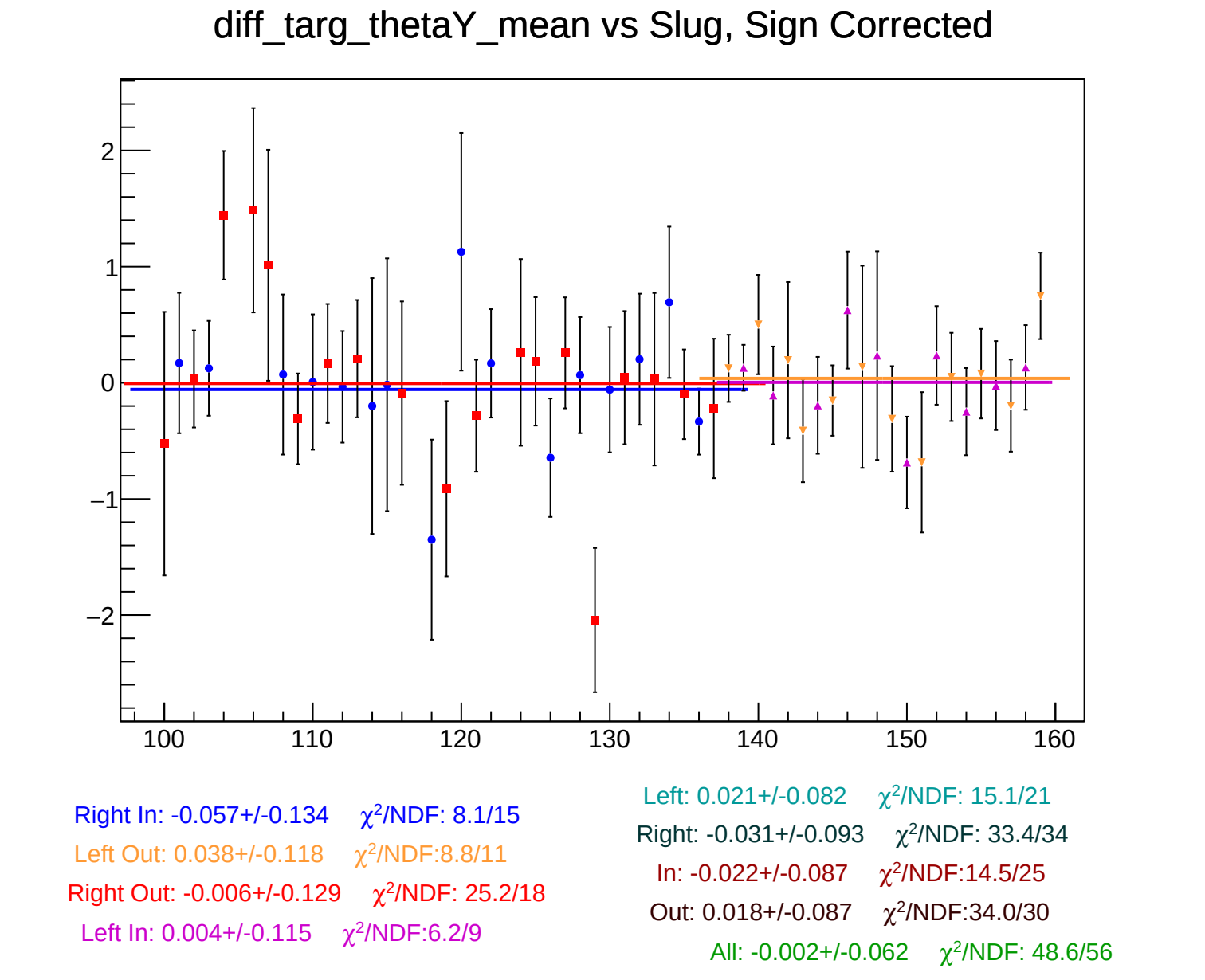
Left: 201.214+/-0.034 χ^2/NDF: 708556.5/21

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

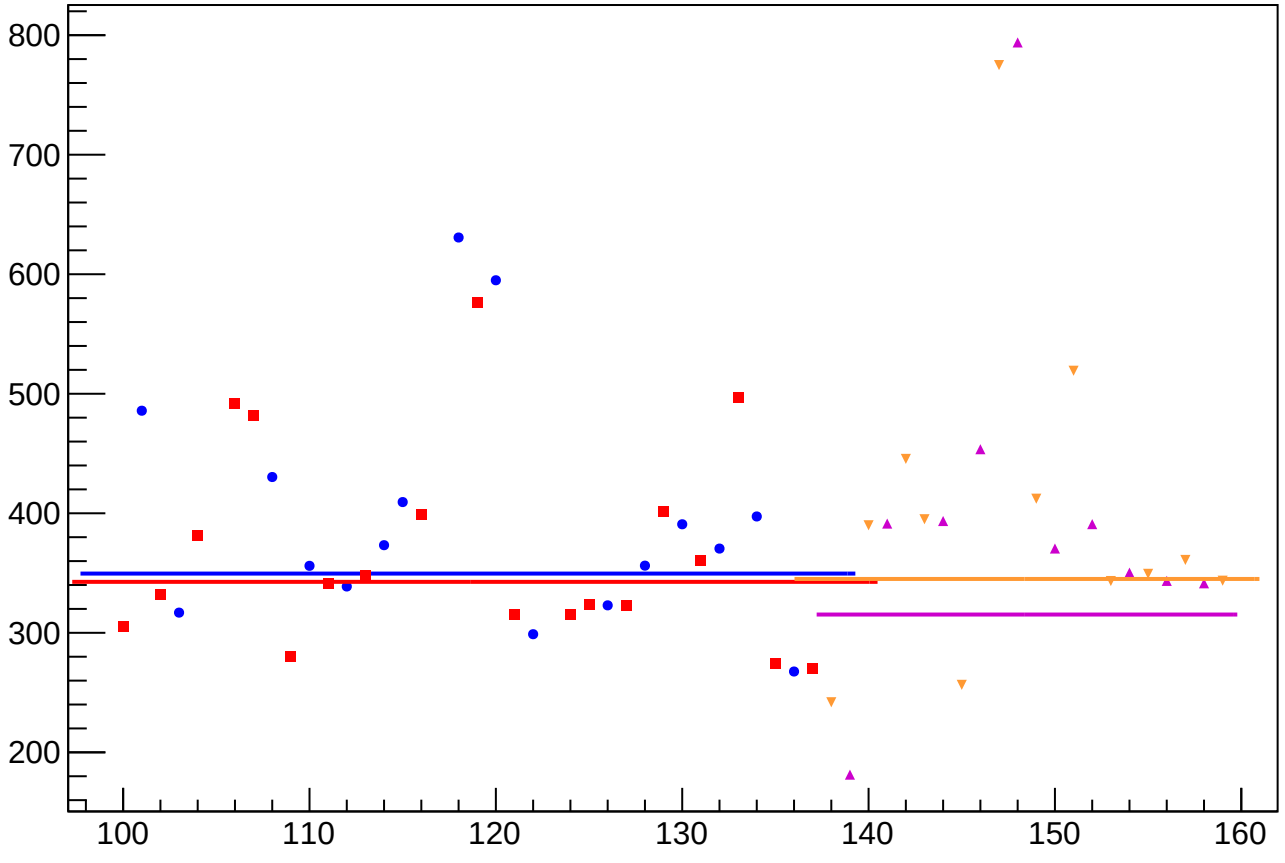
In: 218.237+/-0.042 χ^2/NDF:4435004.5/25

Out: 220.617+/-0.041 χ^2/NDF:4510748.6/30

All: 219.448+/-0.029 χ^2/NDF: 8947395.7/56


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.038+/-0.118 χ²/NDF:8.8/11
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.004+/-0.115 χ²/NDF:6.2/9
Left: 0.021+/-0.082 χ²/NDF: 15.1/21
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.022+/-0.087 χ²/NDF:14.5/25
Out: 0.018+/-0.087 χ²/NDF:34.0/30
All: -0.002+/-0.062 χ²/NDF: 48.6/56

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 345.058+/-0.083 χ^2/NDF:1219107.7/11

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 315.290+/-0.081 χ^2/NDF:1916215.3/9

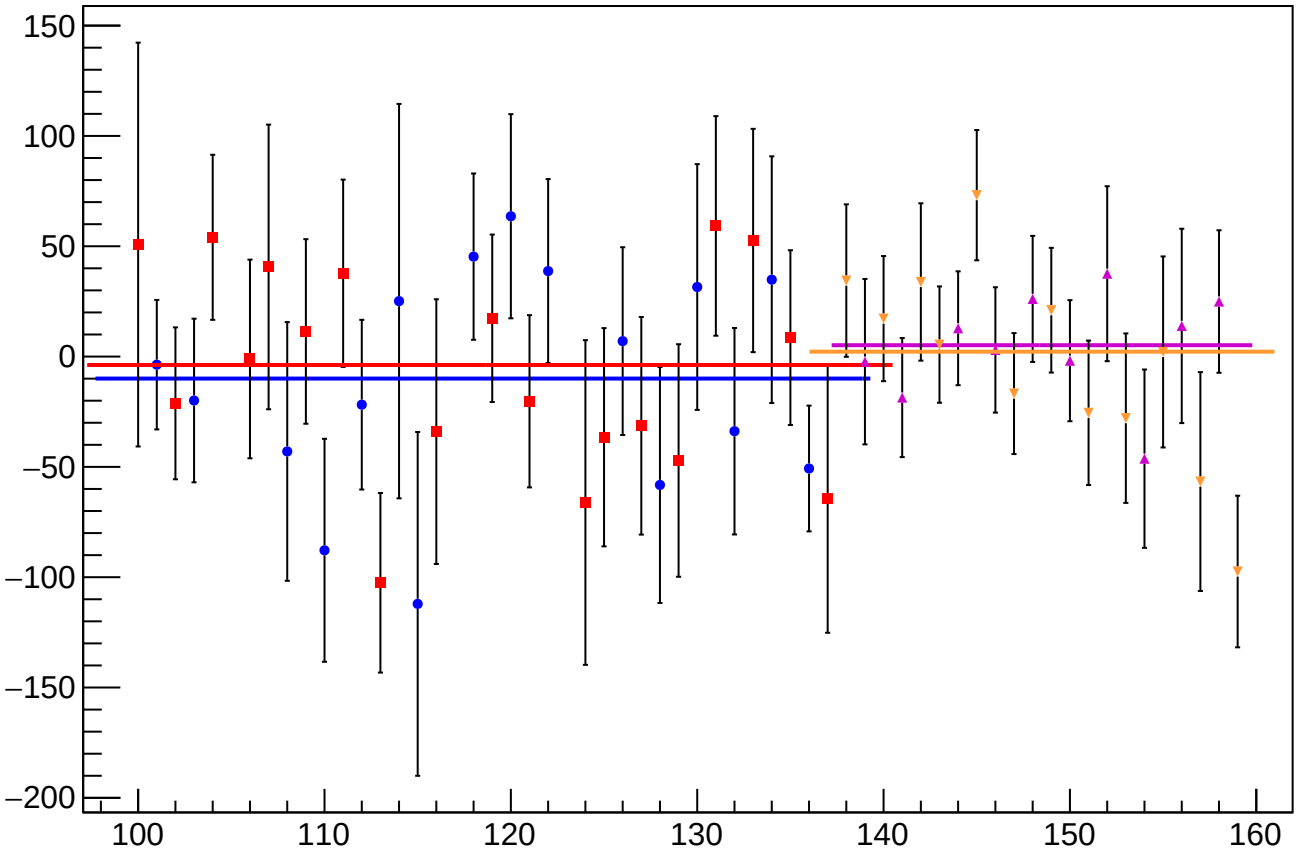
Left: 329.782+/-0.058 χ^2/NDF: 3200606.6/21

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 329.844+/-0.062 χ^2/NDF:2690997.8/25

Out: 343.956+/-0.062 χ^2/NDF:1795249.8/30

All: 336.912+/-0.044 χ^2/NDF: 4512480.2/56



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.220+/-9.352 χ^2/NDF:19.8/11

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.145+/-9.950 χ^2/NDF:4.2/9

Left: 3.592+/-6.814 χ^2/NDF: 24.1/21

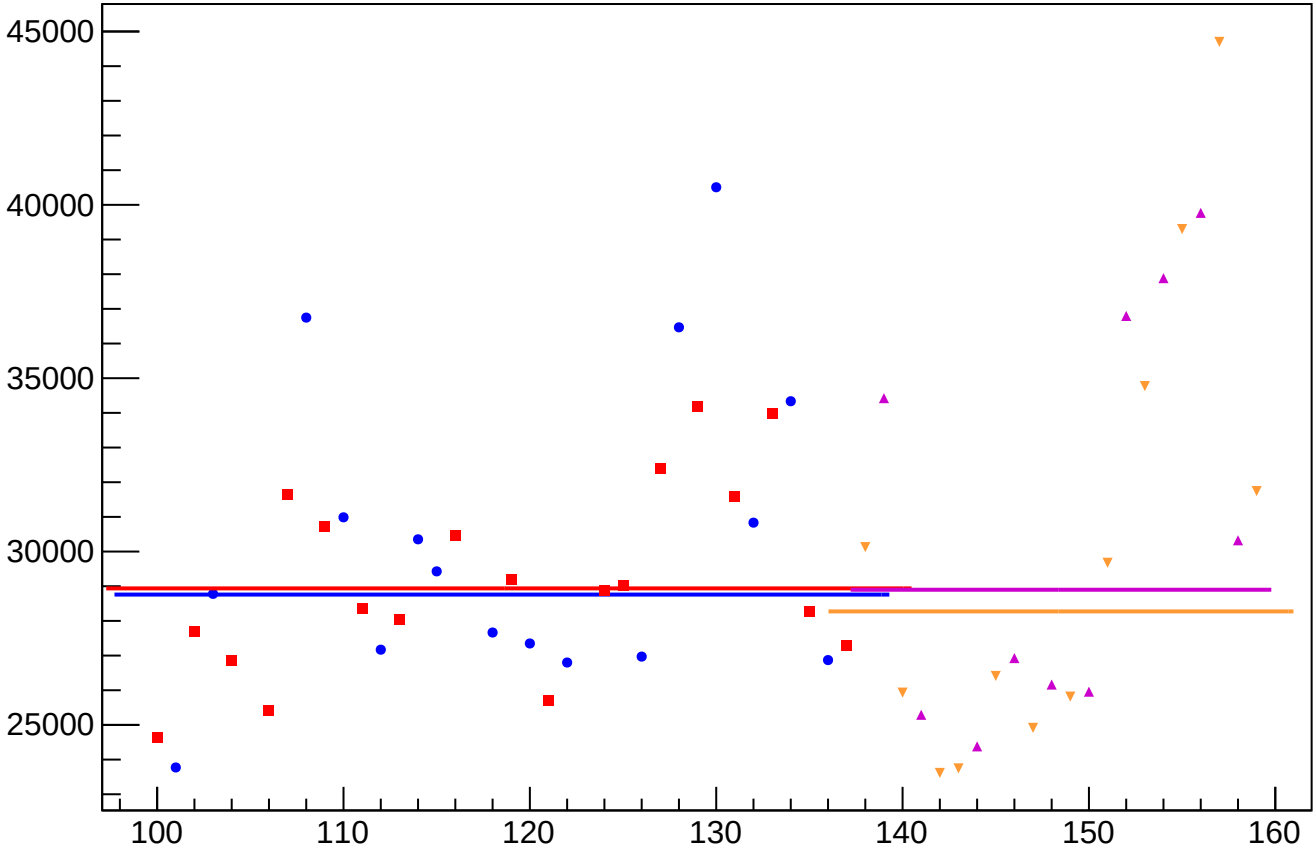
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.769+/-7.329 χ^2/NDF:20.6/25

Out: -0.410+/-7.023 χ^2/NDF:37.3/30

All: -1.061+/-5.071 χ^2/NDF: 57.9/56

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28273.727+/-6.613 χ^2/NDF:596066.5/11

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

Left: 28566.816+/-4.818 χ^2/NDF: 1095627.0/21

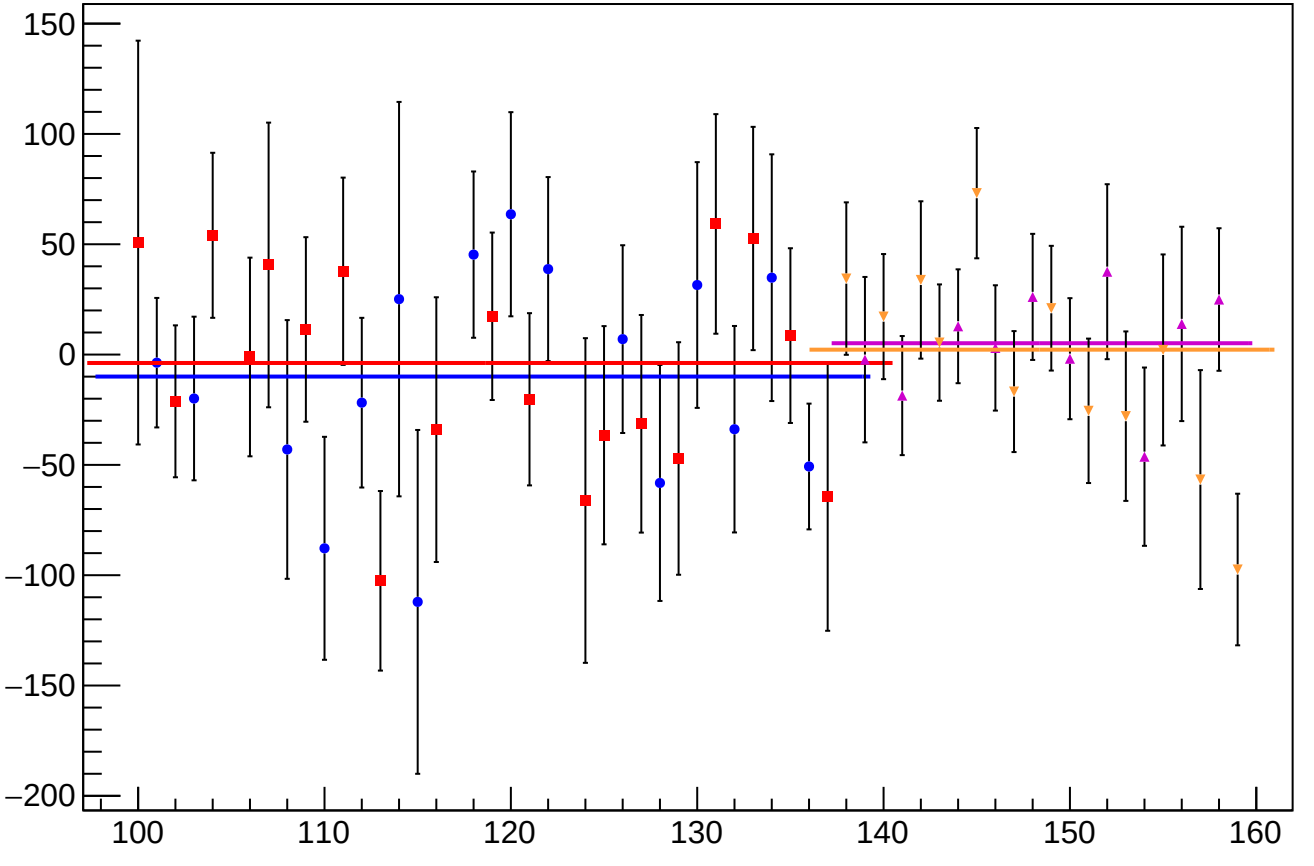
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28834.770+/-5.182 χ^2/NDF:773192.2/25

Out: 28563.195+/-4.966 χ^2/NDF:706727.3/30

All: 28693.200+/-3.586 χ^2/NDF: 1481351.0/5

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.220+/-9.352 χ^2/NDF:19.8/11

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.145+/-9.950 χ^2/NDF:4.2/9

Left: 3.592+/-6.814 χ^2/NDF: 24.1/21

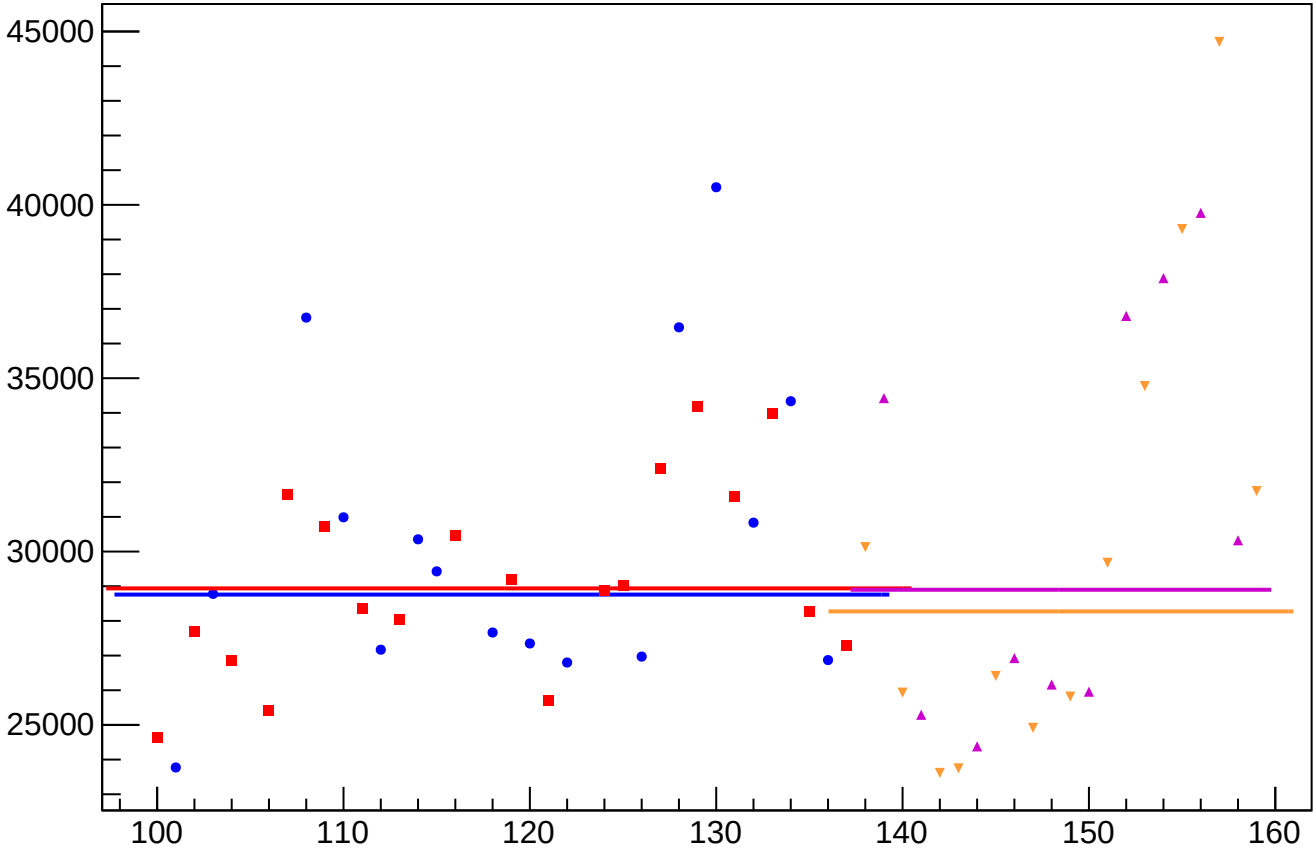
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.769+/-7.329 χ^2/NDF:20.6/25

Out: -0.410+/-7.023 χ^2/NDF:37.3/30

All: -1.061+/-5.071 χ^2/NDF: 57.9/56

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28273.727+/-6.613 χ^2/NDF:596066.5/11

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

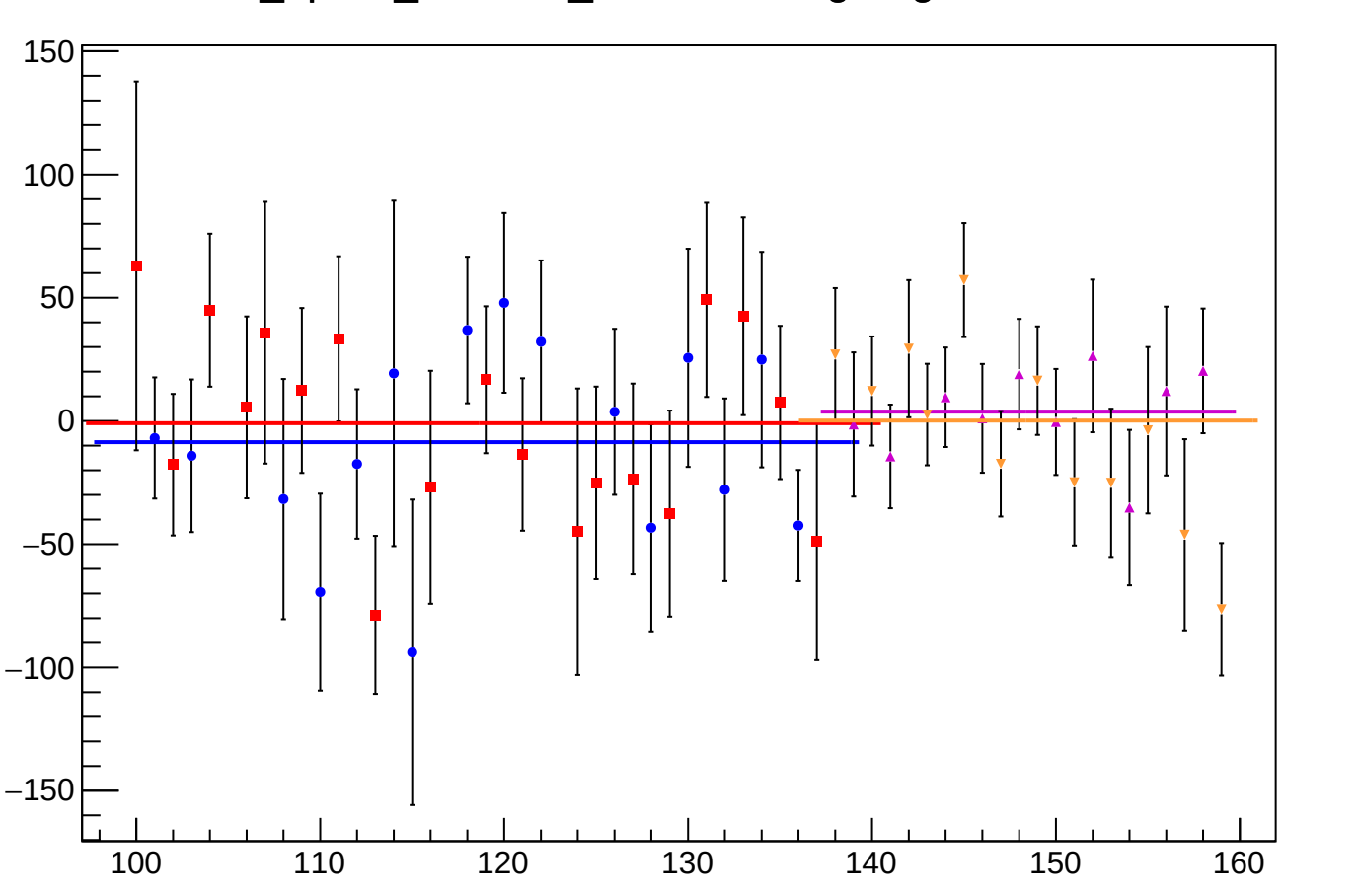
Left: 28566.816+/-4.818 χ^2/NDF: 1095627.0/21

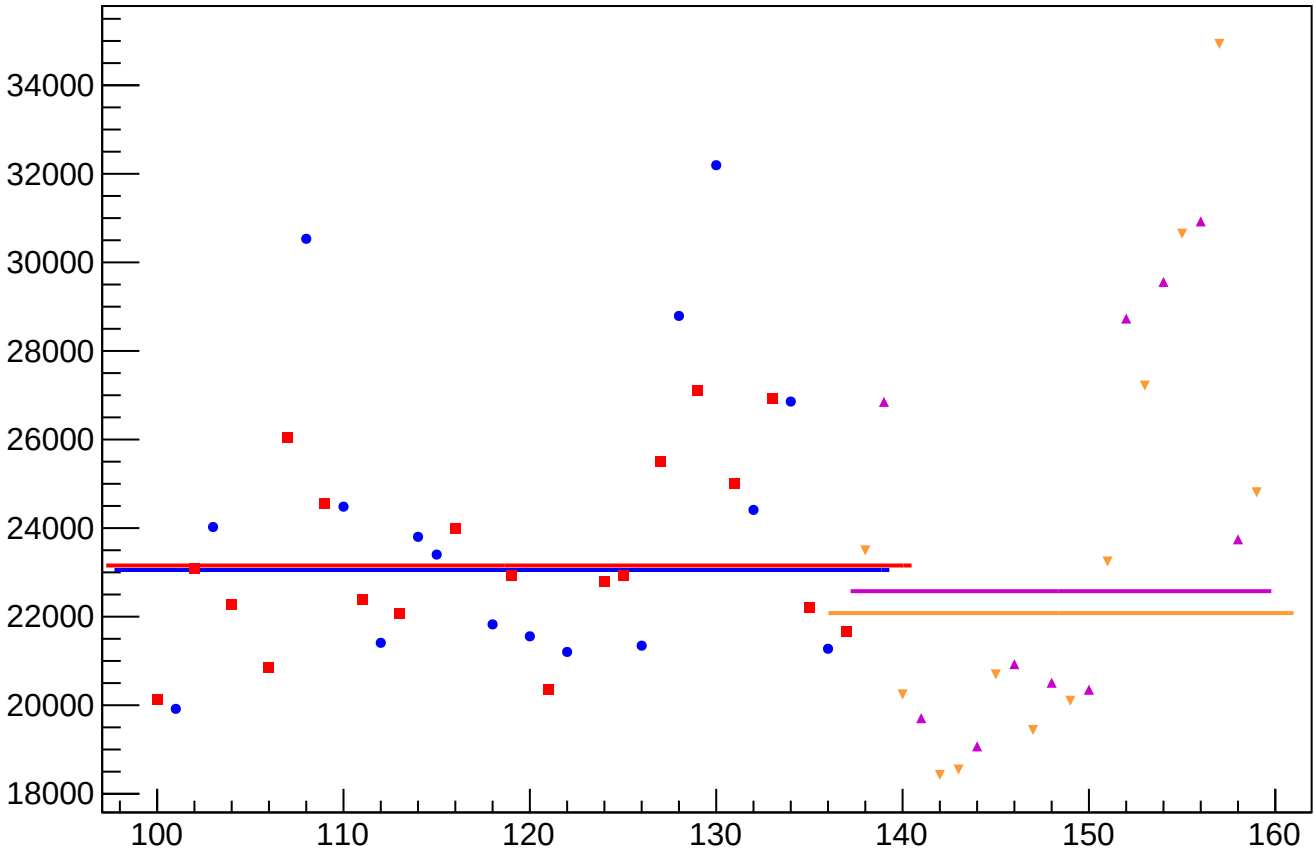
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28834.770+/-5.182 χ^2/NDF:773192.2/25

Out: 28563.195+/-4.966 χ^2/NDF:706727.3/30

All: 28693.200+/-3.586 χ^2/NDF: 1481351.0/5


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 0.155+/-7.303 χ²/NDF:20.9/11
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 3.794+/-7.772 χ²/NDF:3.9/9
Left: 1.862+/-5.322 χ²/NDF: 25.0/21
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -1.722+/-5.789 χ²/NDF:20.6/25
Out: -0.294+/-5.541 χ²/NDF:38.5/30
All: -0.977+/-4.003 χ²/NDF: 59.1/56



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22080.726+/-5.164 χ^2/NDF:598358.3/11

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22575.425+/-5.495 χ^2/NDF:490142.4/9

Left: 22312.722+/-3.763 χ^2/NDF: 1092804.2/21

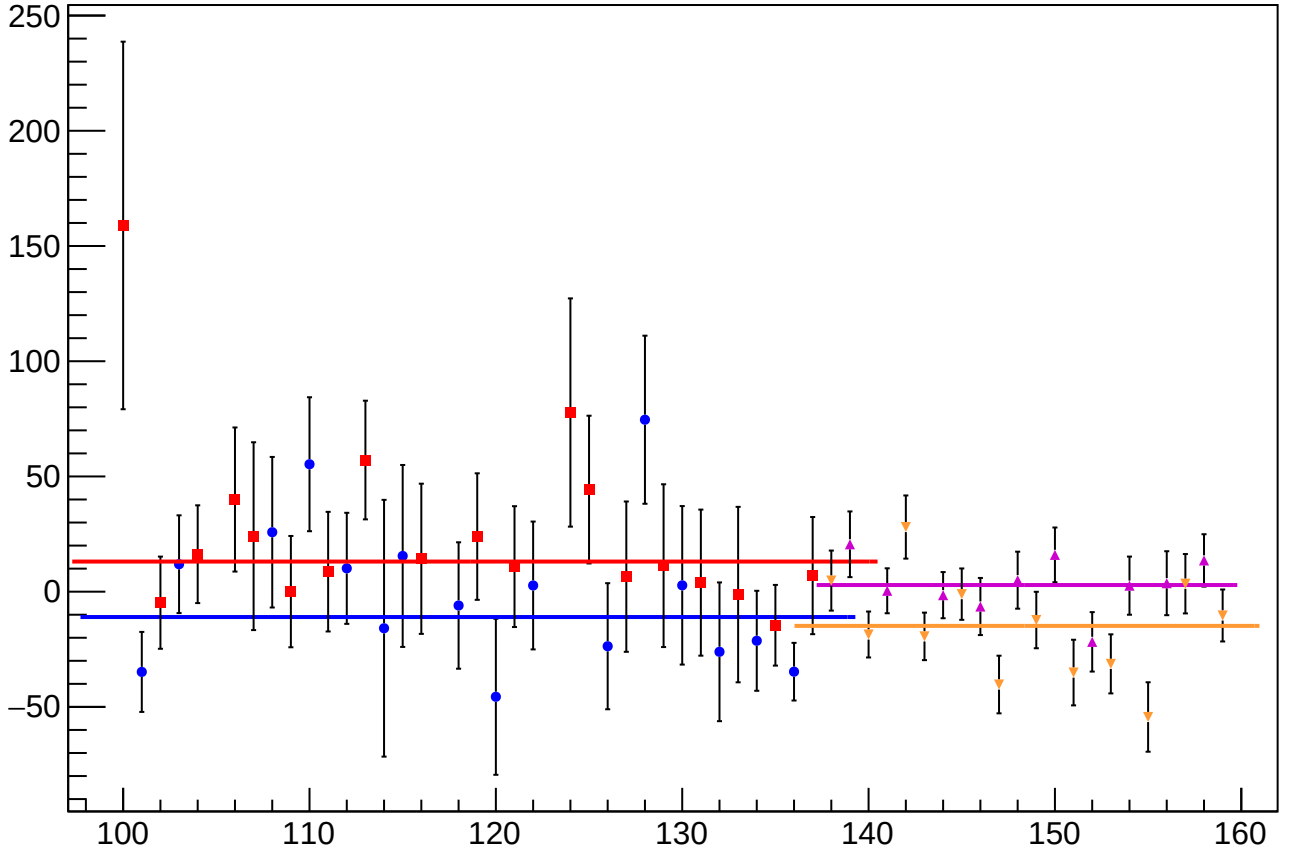
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22788.368+/-4.094 χ^2/NDF:754961.3/25

Out: 22536.716+/-3.918 χ^2/NDF:710625.1/30

All: 22657.026+/-2.831 χ^2/NDF: 1467558.7/5

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -14.842+/-3.511 χ^2/NDF:30.9/11

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 2.882+/-3.759 χ^2/NDF:8.2/9

Left: -6.583+/-2.566 χ^2/NDF: 50.9/21

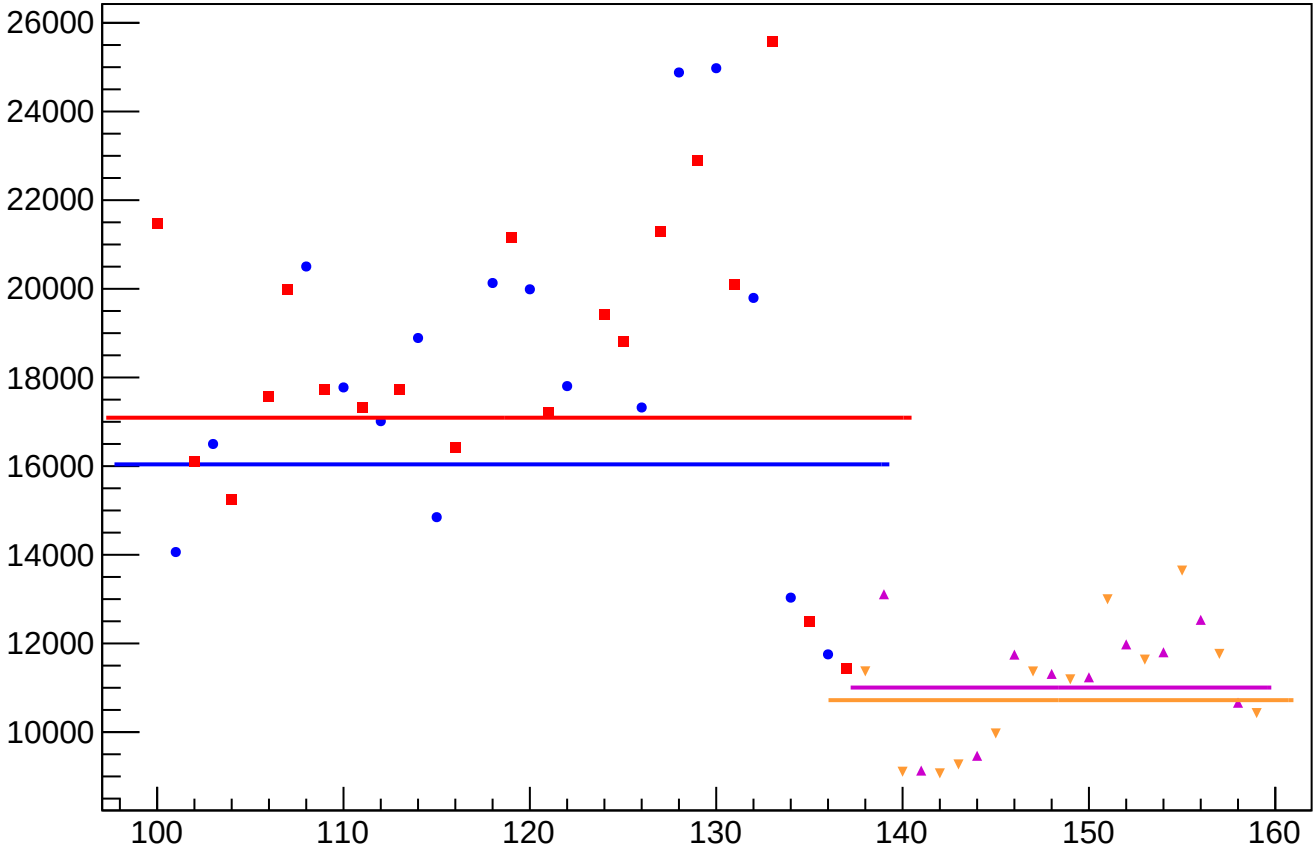
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -0.890+/-3.208 χ^2/NDF:33.9/25

Out: -8.356+/-3.076 χ^2/NDF:59.4/30

All: -4.779+/-2.220 χ^2/NDF: 96.1/56

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10720.786+/-2.483 χ^2/NDF:294388.4/11

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 11005.091+/-2.658 χ^2/NDF:219165.5/9

Left: 10853.270+/-1.814 χ^2/NDF: 519663.7/21

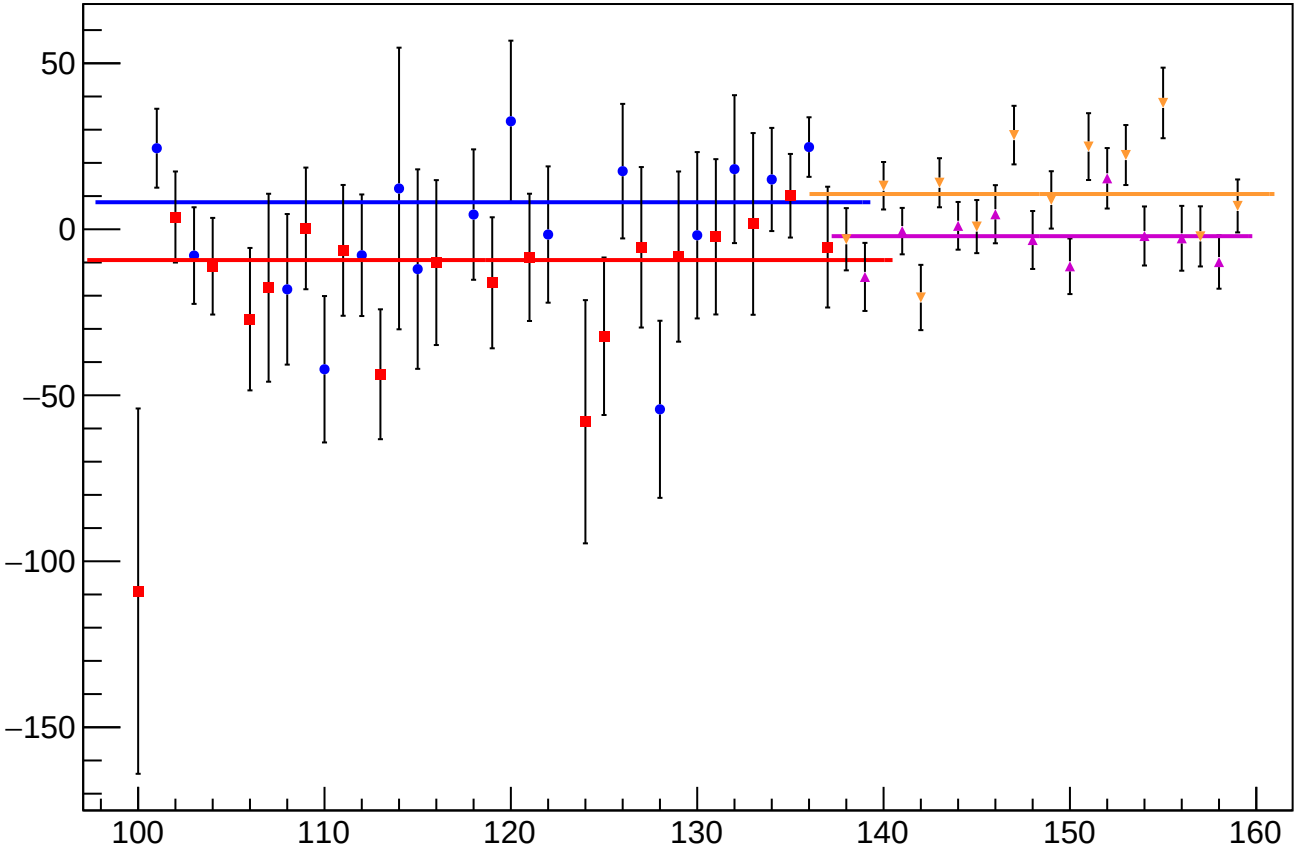
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12372.848+/-2.268 χ^2/NDF:1916653.7/25

Out: 12201.476+/-2.175 χ^2/NDF:2360272.4/30

All: 12283.577+/-1.570 χ^2/NDF: 4279899.3/5

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.625+/-2.497 χ^2/NDF:30.6/11

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -2.073+/-2.668 χ^2/NDF:8.0/9

Left: 4.696+/-1.823 χ^2/NDF: 50.8/21

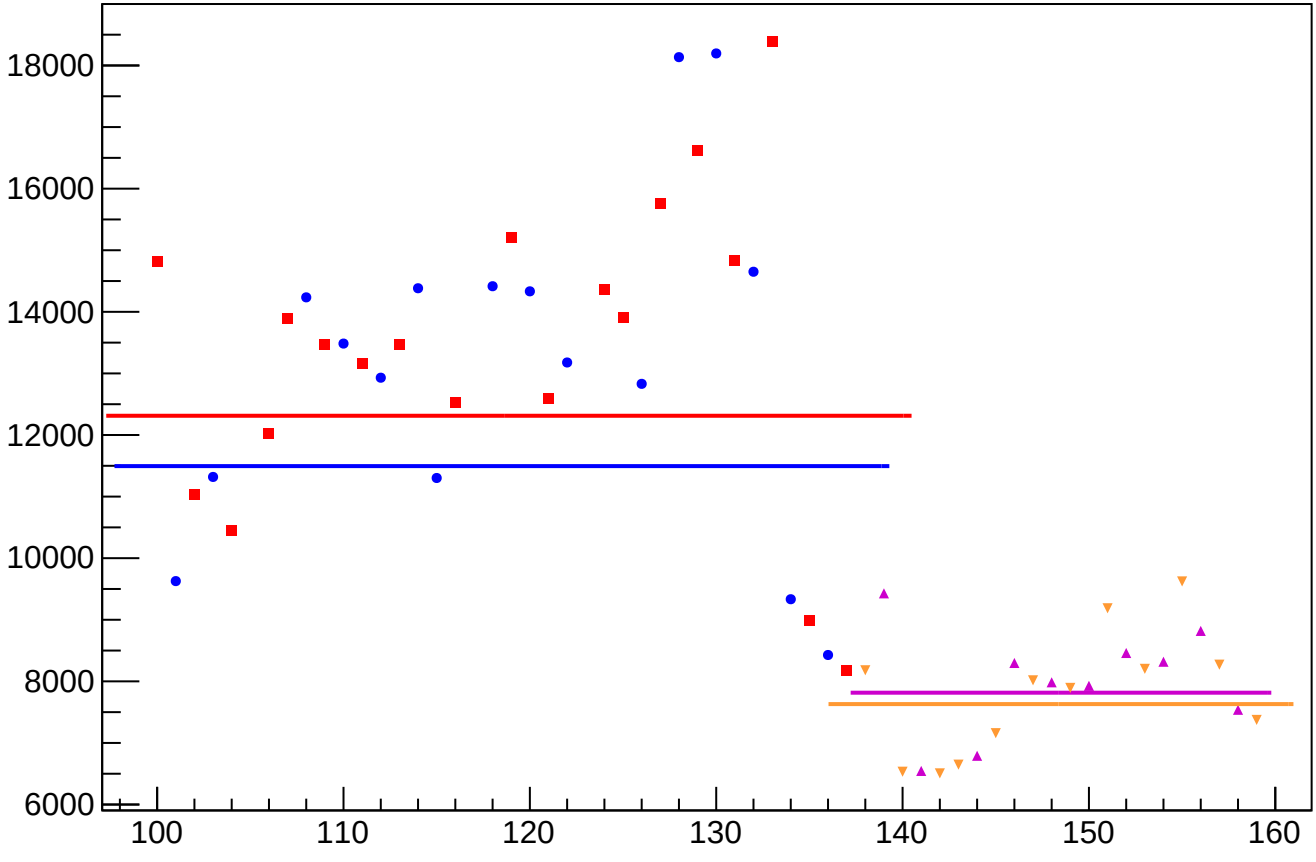
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.655+/-2.285 χ^2/NDF:33.7/25

Out: 6.107+/-2.195 χ^2/NDF:58.9/30

All: 3.490+/-1.583 χ^2/NDF: 95.6/56

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7630.778+/-1.766 χ^2/NDF:266380.1/11

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7815.821+/-1.887 χ^2/NDF:203261.2/9

Left: 7717.177+/-1.289 χ^2/NDF: 474768.4/21

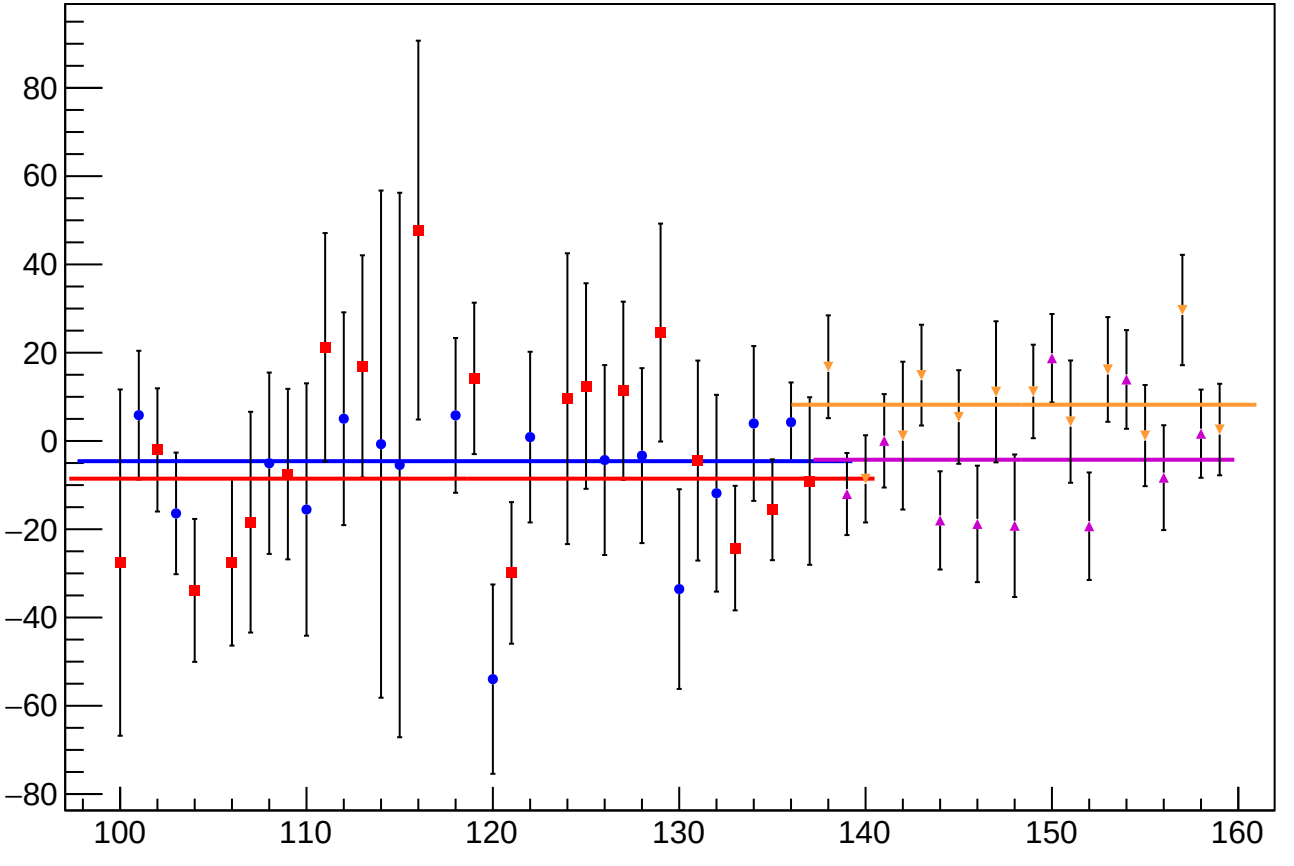
Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8797.632+/-1.616 χ^2/NDF:2007891.7/25

Out: 8693.946+/-1.552 χ^2/NDF:2461419.8/30

All: 8743.724+/-1.119 χ^2/NDF: 4471453.1/56

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 8.212+/-3.406 χ^2/NDF:8.3/11

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -4.250+/-3.537 χ^2/NDF:14.4/9

Left: 2.215+/-2.453 χ^2/NDF: 29.1/21

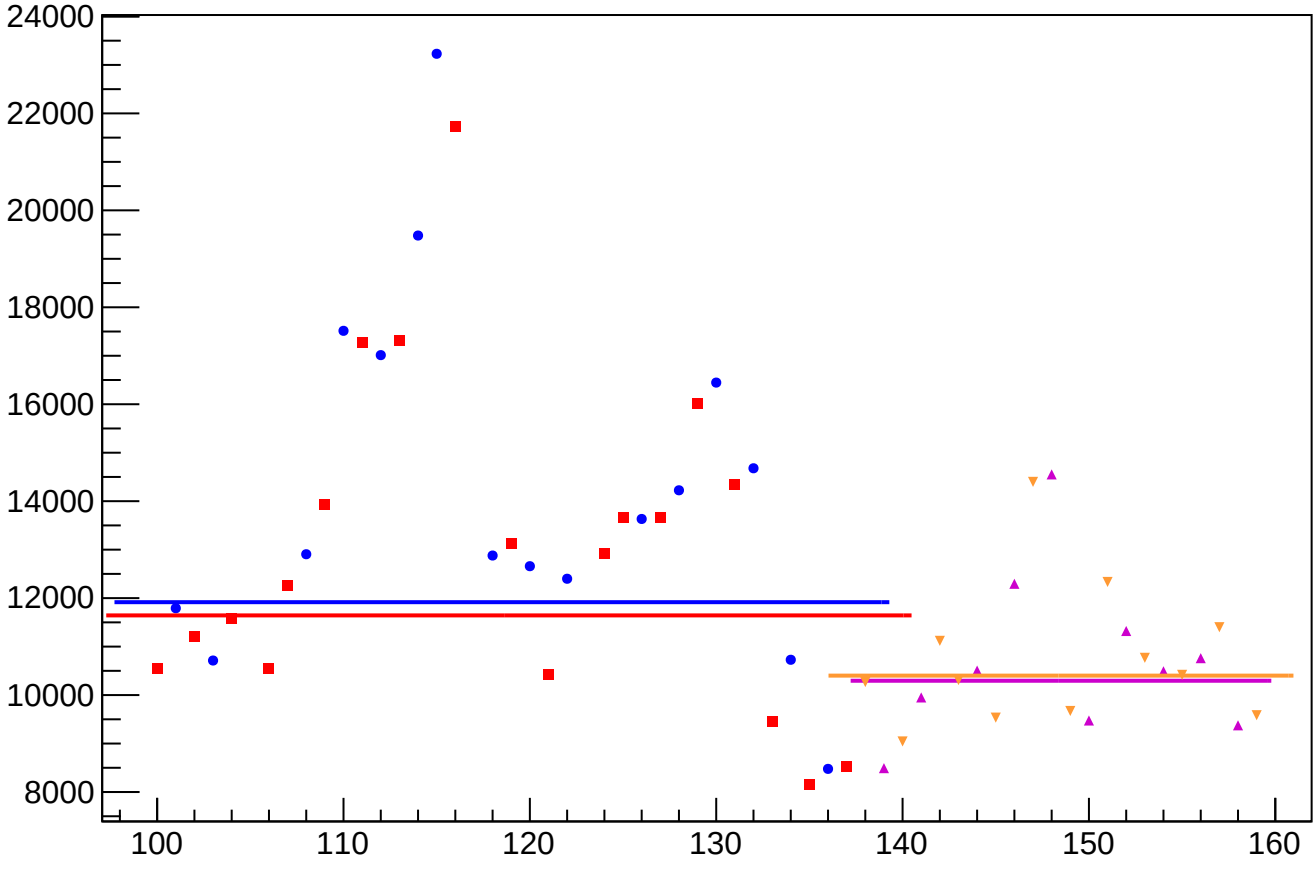
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.374+/-2.793 χ^2/NDF:24.6/25

Out: 1.923+/-2.692 χ^2/NDF:34.5/30

All: -1.109+/-1.938 χ^2/NDF: 61.8/56

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10401.285+/-2.408 χ^2/NDF:255771.5/11

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10295.511+/-2.501 χ^2/NDF:311178.7/9

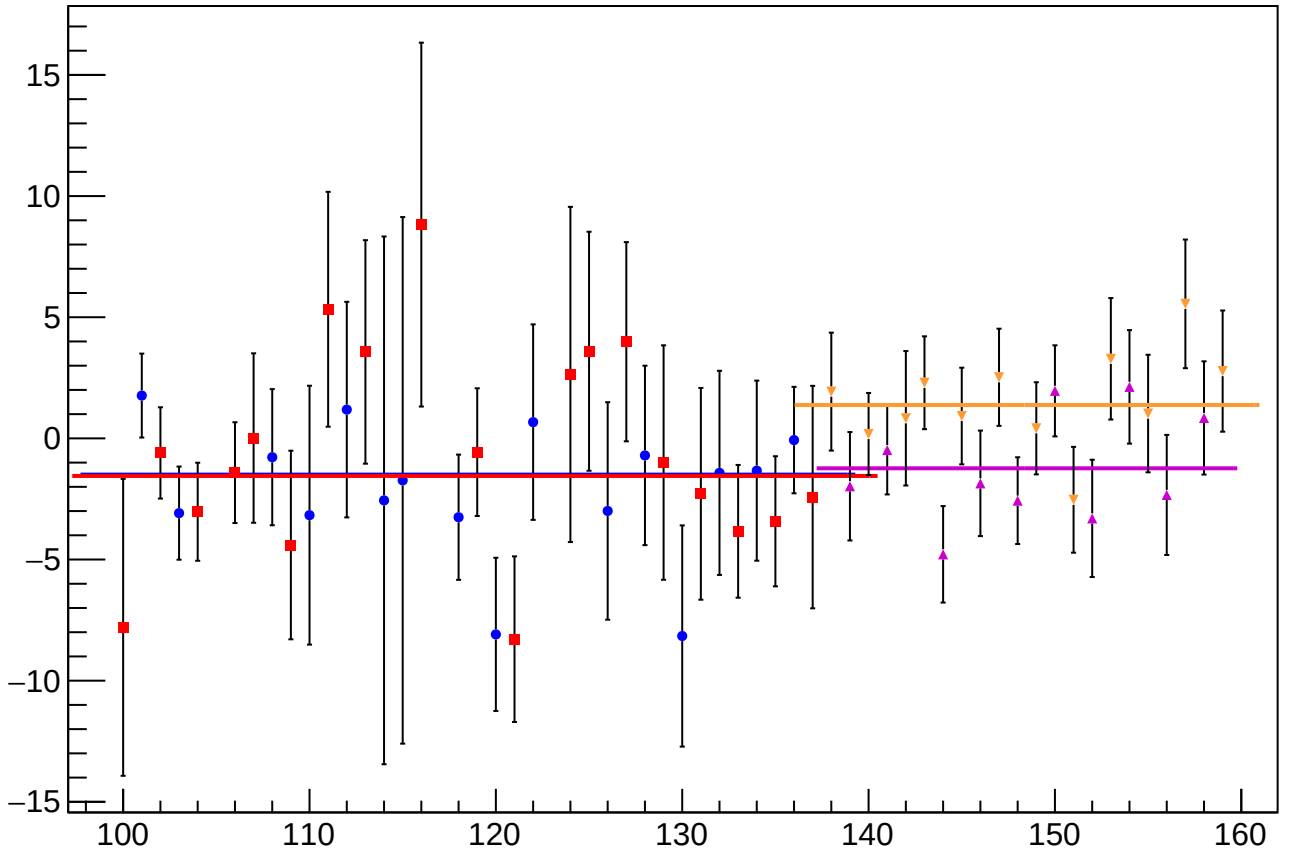
Left: 10350.389+/-1.735 χ^2/NDF: 567878.3/21

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10905.278+/-1.975 χ^2/NDF:1218991.0/25

Out: 10867.789+/-1.903 χ^2/NDF:1146051.8/30

All: 10885.838+/-1.370 χ^2/NDF: 2365229.6/5



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.377+/-0.628 χ^2/NDF:8.0/11

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.235+/-0.666 χ^2/NDF:10.8/9

Left: 0.148+/-0.457 χ^2/NDF: 27.0/21

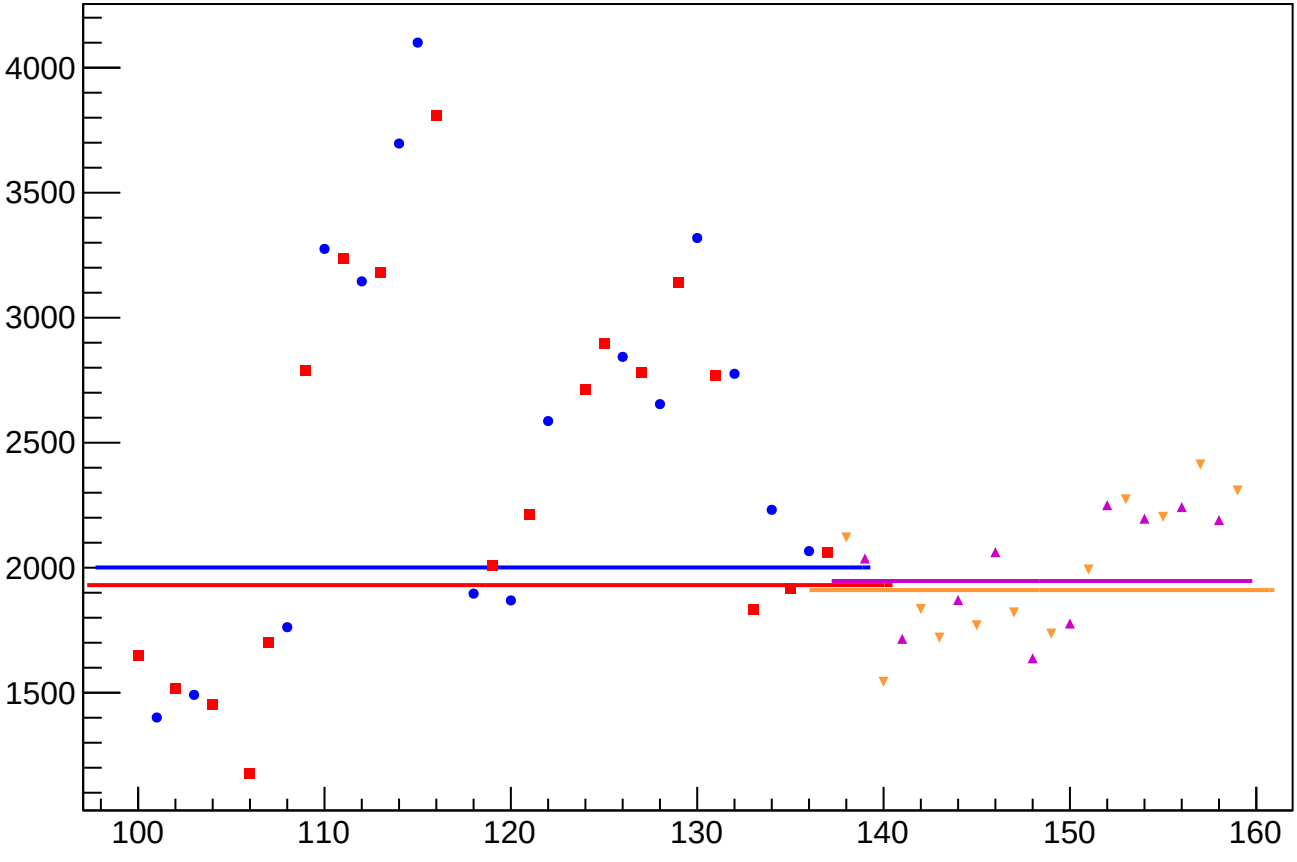
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.346+/-0.506 χ^2/NDF:23.4/25

Out: 0.160+/-0.480 χ^2/NDF:33.4/30

All: -0.553+/-0.348 χ^2/NDF: 61.4/56

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1910.519+/-0.444 χ^2/NDF:356974.5/11

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1946.843+/-0.471 χ^2/NDF:223918.9/9

Left: 1927.612+/-0.323 χ^2/NDF: 584043.4/21

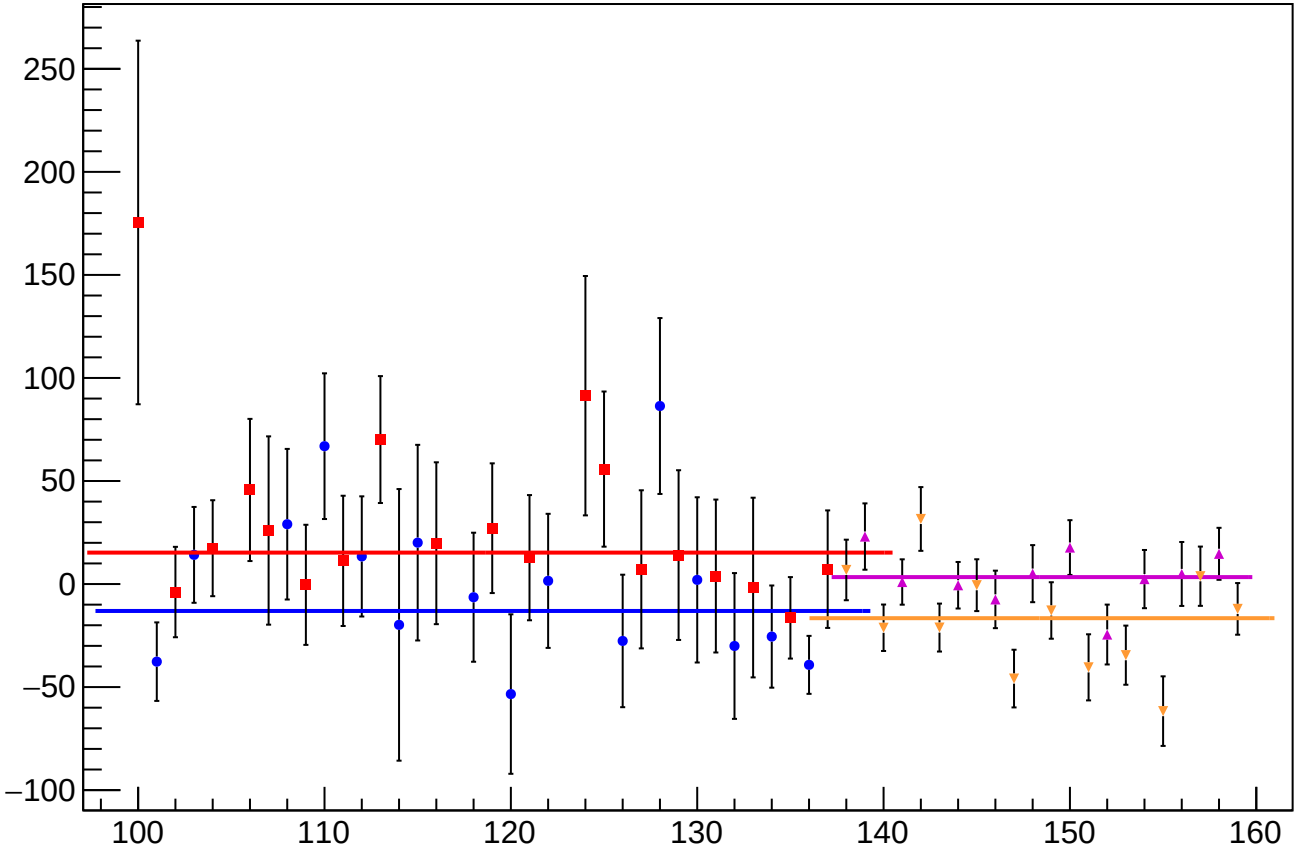
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1969.737+/-0.358 χ^2/NDF:1419294.1/25

Out: 1918.796+/-0.339 χ^2/NDF:1761363.4/30

All: 1942.923+/-0.246 χ^2/NDF: 3191327.3/56

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -16.567+/-3.944 χ^2/NDF:31.7/11

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 3.369+/-4.220 χ^2/NDF:7.9/9

Left: -7.271+/-2.881 χ^2/NDF: 51.5/21

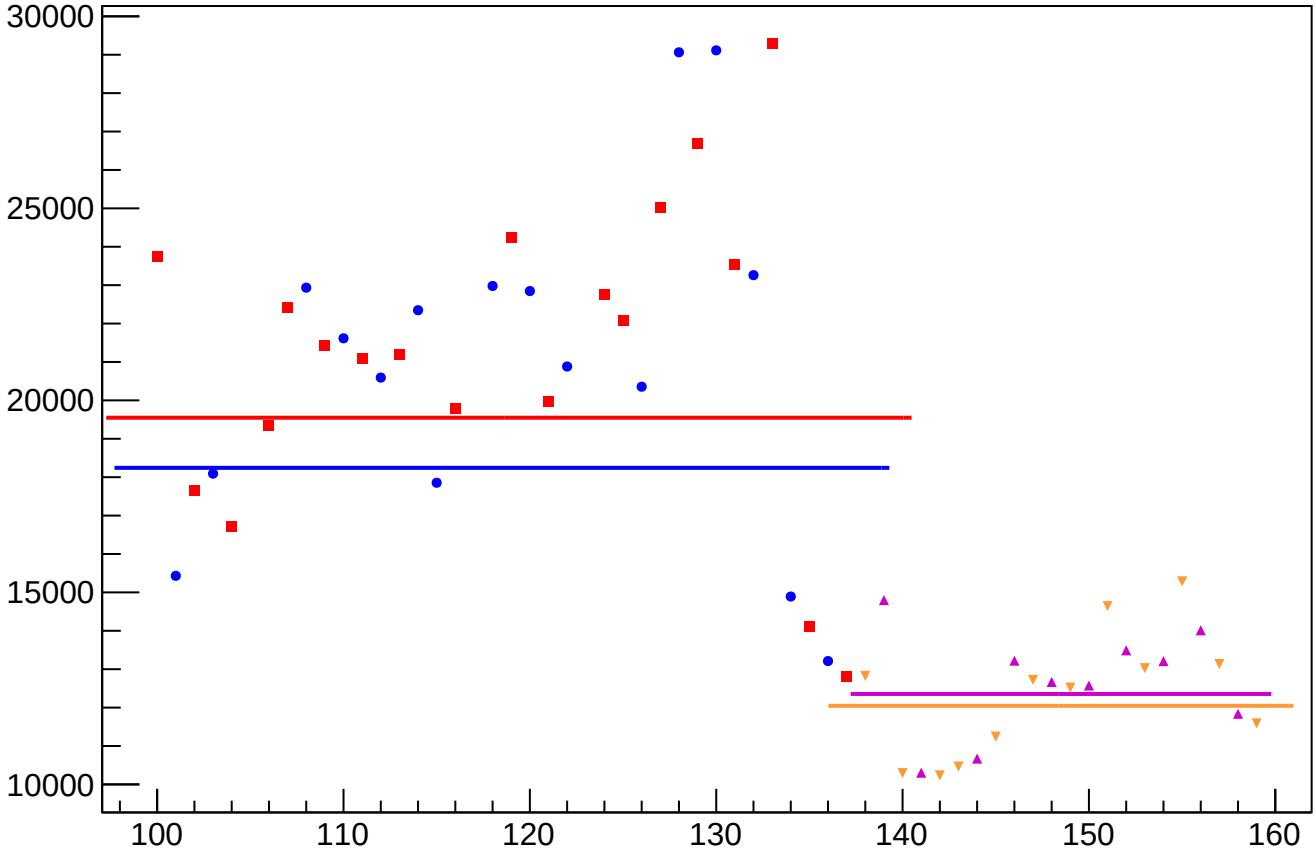
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -0.987+/-3.617 χ^2/NDF:33.8/25

Out: -9.409+/-3.472 χ^2/NDF:60.7/30

All: -5.370+/-2.505 χ^2/NDF: 97.3/56

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12046.123+/-2.789 χ^2/NDF:283083.4/11

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12355.200+/-2.984 χ^2/NDF:215053.6/9

Left: 12190.242+/-2.037 χ^2/NDF: 503863.8/21

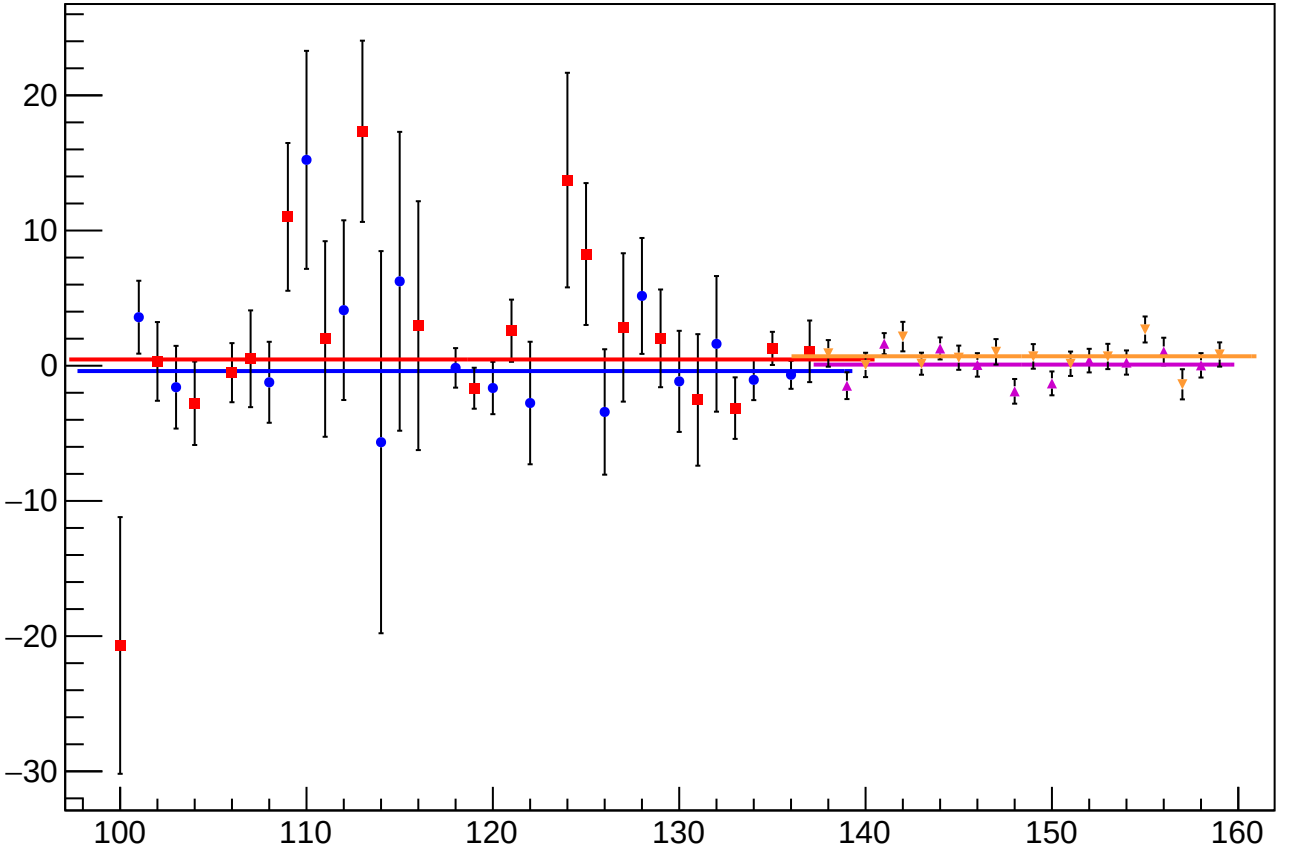
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13915.939+/-2.558 χ^2/NDF:2067101.4/25

Out: 13733.929+/-2.455 χ^2/NDF:2532724.4/30

All: 13821.207+/-1.771 χ^2/NDF: 4602461.0/5

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.699+/-0.270 χ^2/NDF:11.0/11

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.084+/-0.280 χ^2/NDF:16.8/9

Left: 0.403+/-0.195 χ^2/NDF: 30.3/21

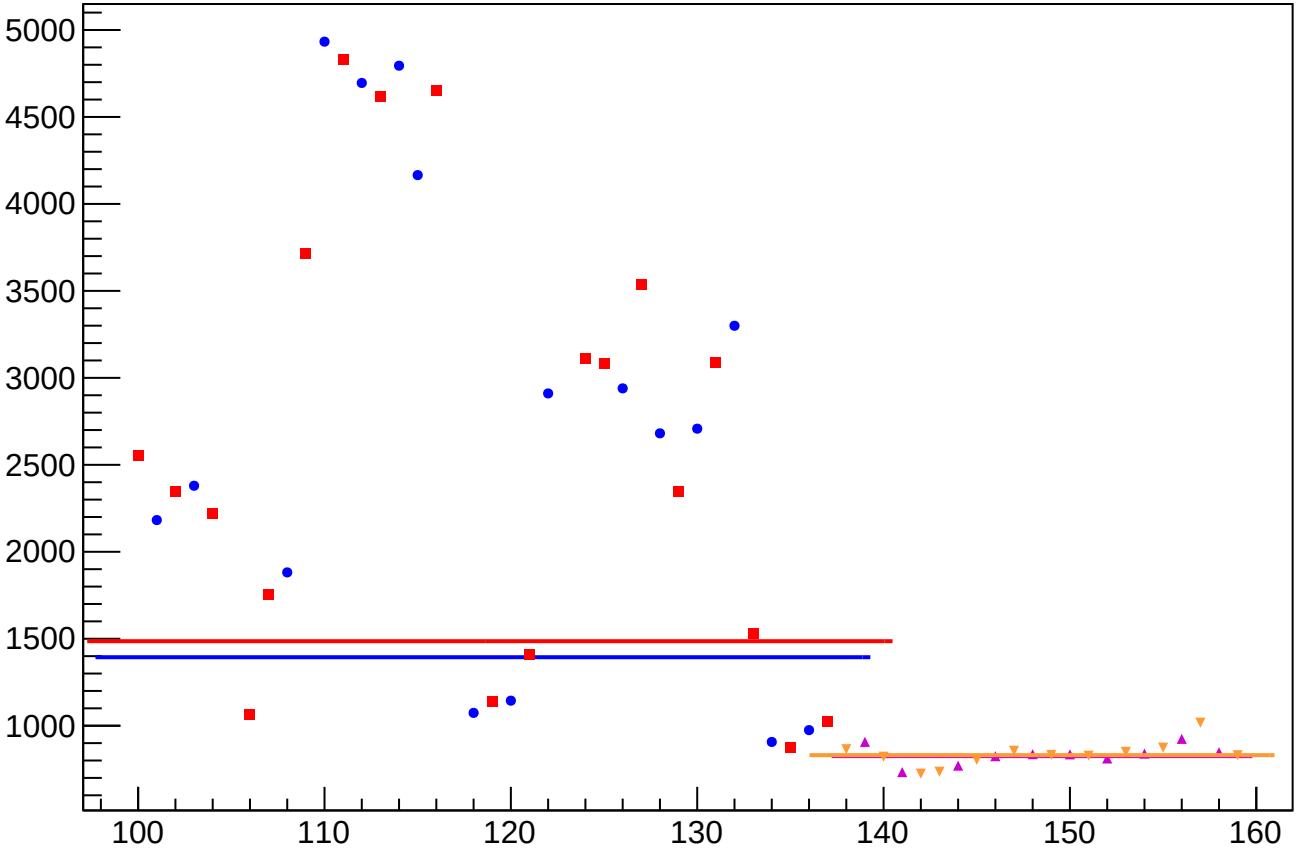
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.002+/-0.254 χ^2/NDF:27.7/25

Out: 0.663+/-0.249 χ^2/NDF:39.2/30

All: 0.338+/-0.178 χ^2/NDF: 70.4/56

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.908+/-0.191 χ^2/NDF:112999.2/11

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 825.243+/-0.198 χ^2/NDF:72135.9/9

Left: 828.179+/-0.138 χ^2/NDF: 185558.5/21

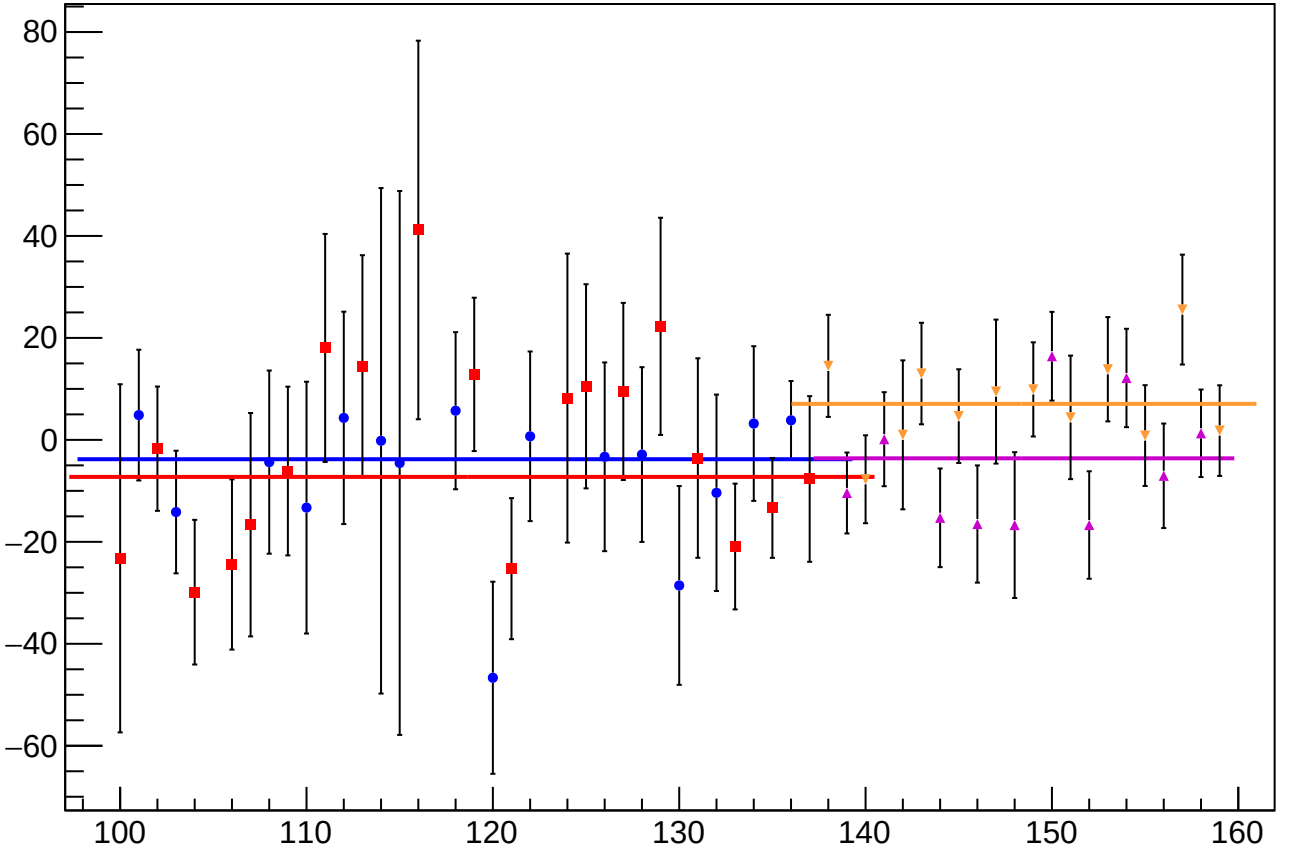
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 927.114+/-0.180 χ^2/NDF:4927230.9/25

Out: 931.677+/-0.176 χ^2/NDF:5319185.1/30

All: 929.444+/-0.126 χ^2/NDF: 10246745.5/56

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 7.064+/-2.953 χ^2/NDF:8.4/11

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.620+/-3.060 χ^2/NDF:14.4/9

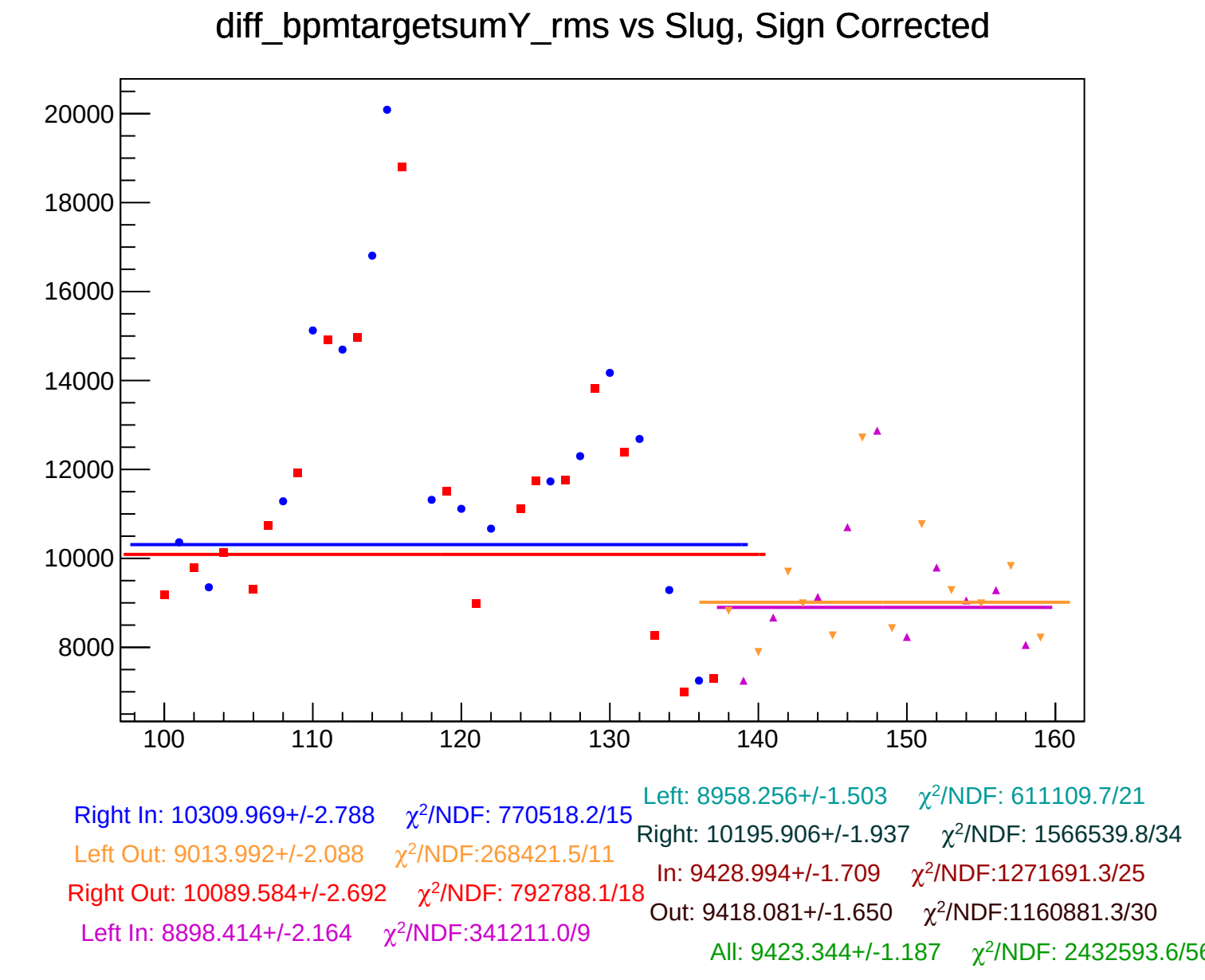
Left: 1.912+/-2.125 χ^2/NDF: 29.1/21

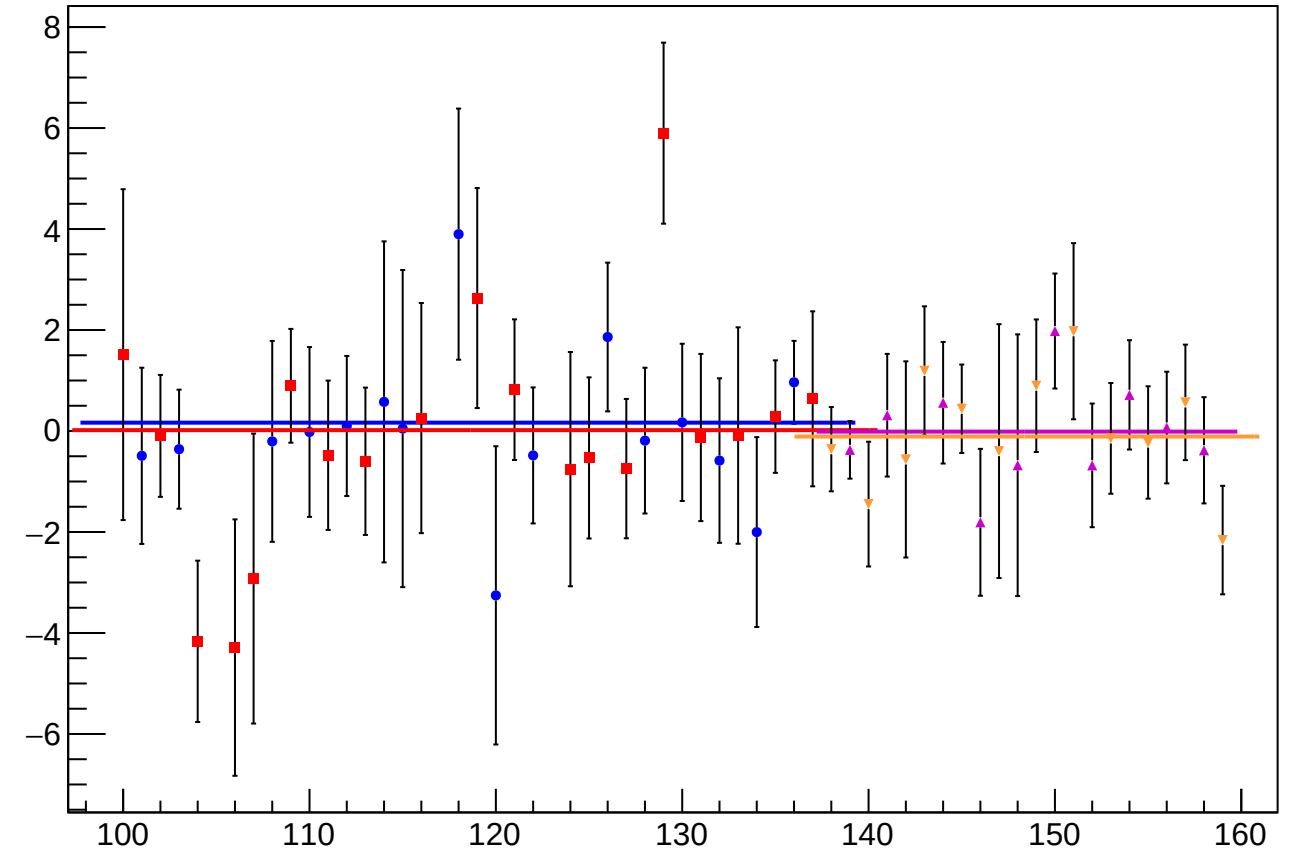
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.685+/-2.417 χ^2/NDF:24.5/25

Out: 1.681+/-2.333 χ^2/NDF:34.5/30

All: -0.907+/-1.679 χ^2/NDF: 61.5/56


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9013.992+/-2.088 χ²/NDF:268421.5/11
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8898.414+/-2.164 χ²/NDF:341211.0/9
Left: 8958.256+/-1.503 χ²/NDF: 611109.7/21
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9428.994+/-1.709 χ²/NDF:1271691.3/25
Out: 9418.081+/-1.650 χ²/NDF:1160881.3/30
All: 9423.344+/-1.187 χ²/NDF: 2432593.6/56



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.110+/-0.341 χ^2/NDF:8.8/11

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.012+/-0.332 χ^2/NDF:6.2/9

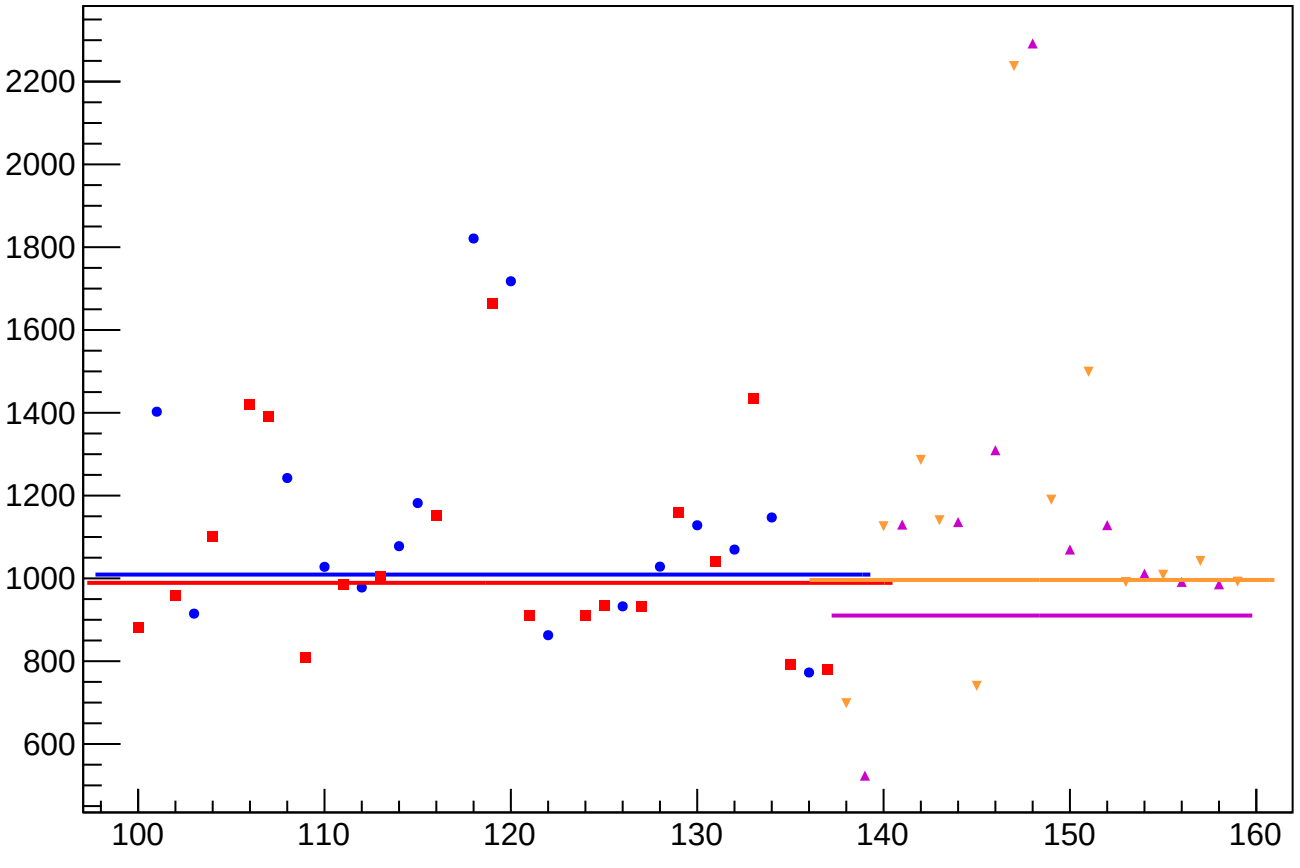
Left: -0.060+/-0.238 χ^2/NDF: 15.1/21

Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.063+/-0.252 χ^2/NDF:14.5/25

Out: -0.052+/-0.251 χ^2/NDF:34.0/30

All: 0.006+/-0.178 χ^2/NDF: 48.6/56



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 996.223+/-0.241 χ^2/NDF:1219107.7/11

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 910.278+/-0.235 χ^2/NDF:1916215.3/9

Left: 952.121+/-0.168 χ^2/NDF: 3200606.6/21

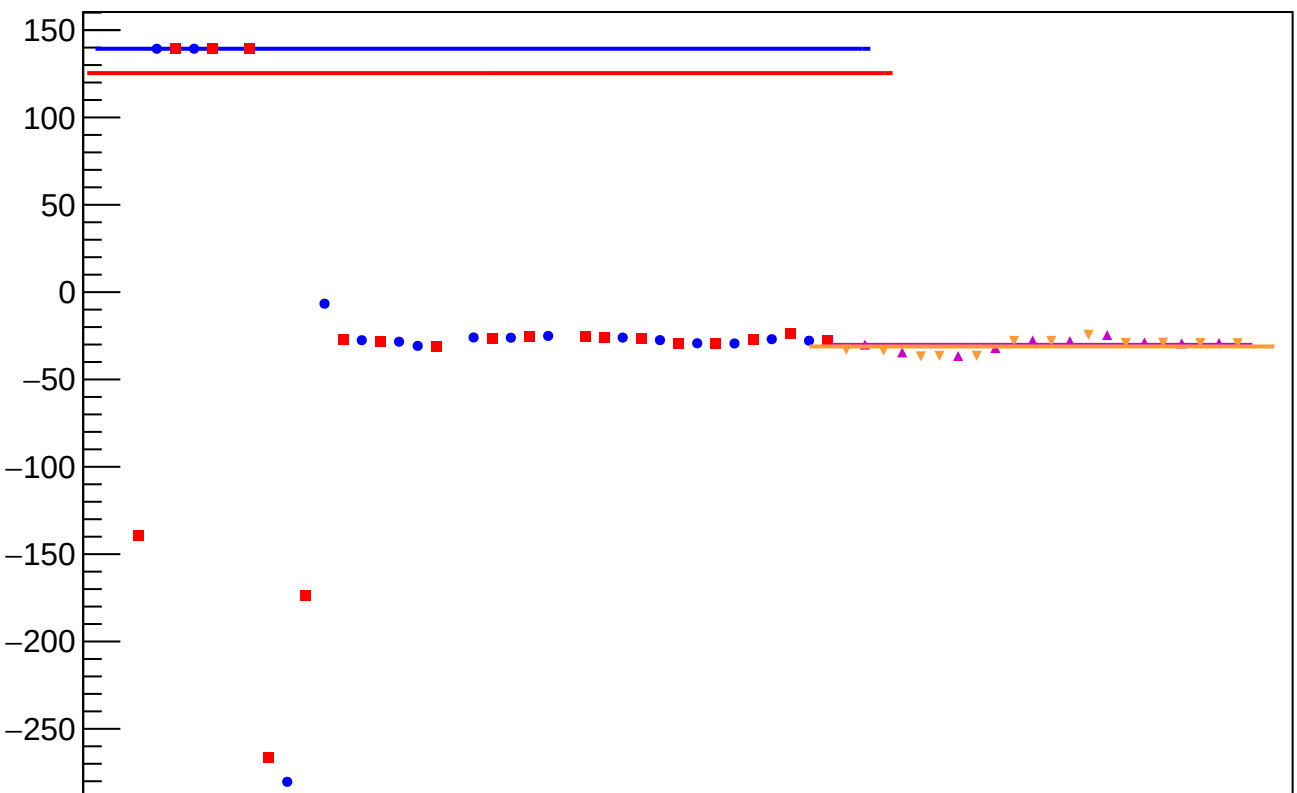
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 952.300+/-0.178 χ^2/NDF:2690997.8/25

Out: 993.042+/-0.178 χ^2/NDF:1795249.8/30

All: 972.704+/-0.126 χ^2/NDF: 4512480.2/56

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.110+/-0.000 χ^2/NDF:76740103.3/11

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.180+/-0.001 χ^2/NDF:52261538.0/9

Left: -30.681+/-0.000 χ^2/NDF: 130816025.7/21

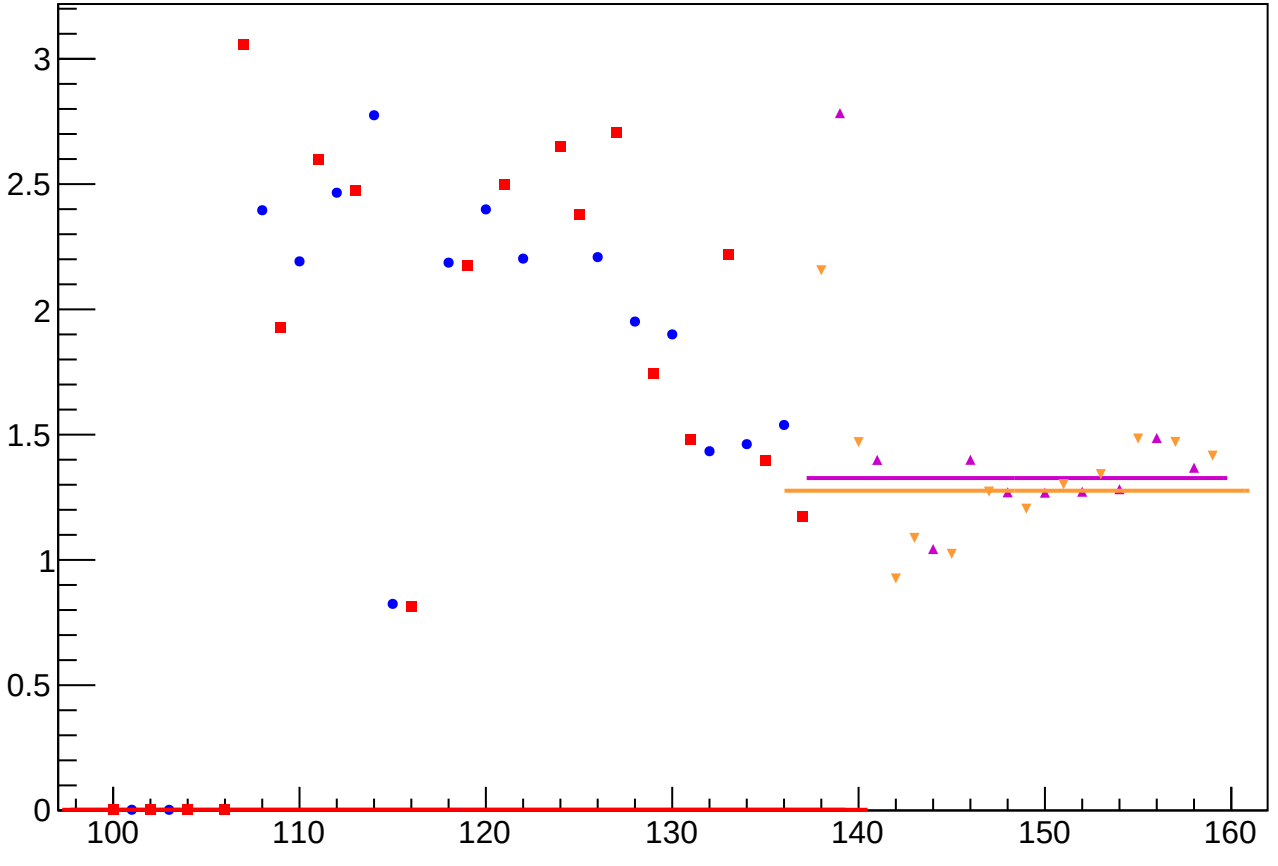
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.333+/-0.000 χ^2/NDF:159025576355.1/25

Out: 125.388+/-0.000 χ^2/NDF:774284321171419.

All: 131.815+/-0.000 χ^2/NDF: 793227747132

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.276+/-0.000 χ^2/NDF:504499.1/11

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.327+/-0.000 χ^2/NDF:583867.8/9

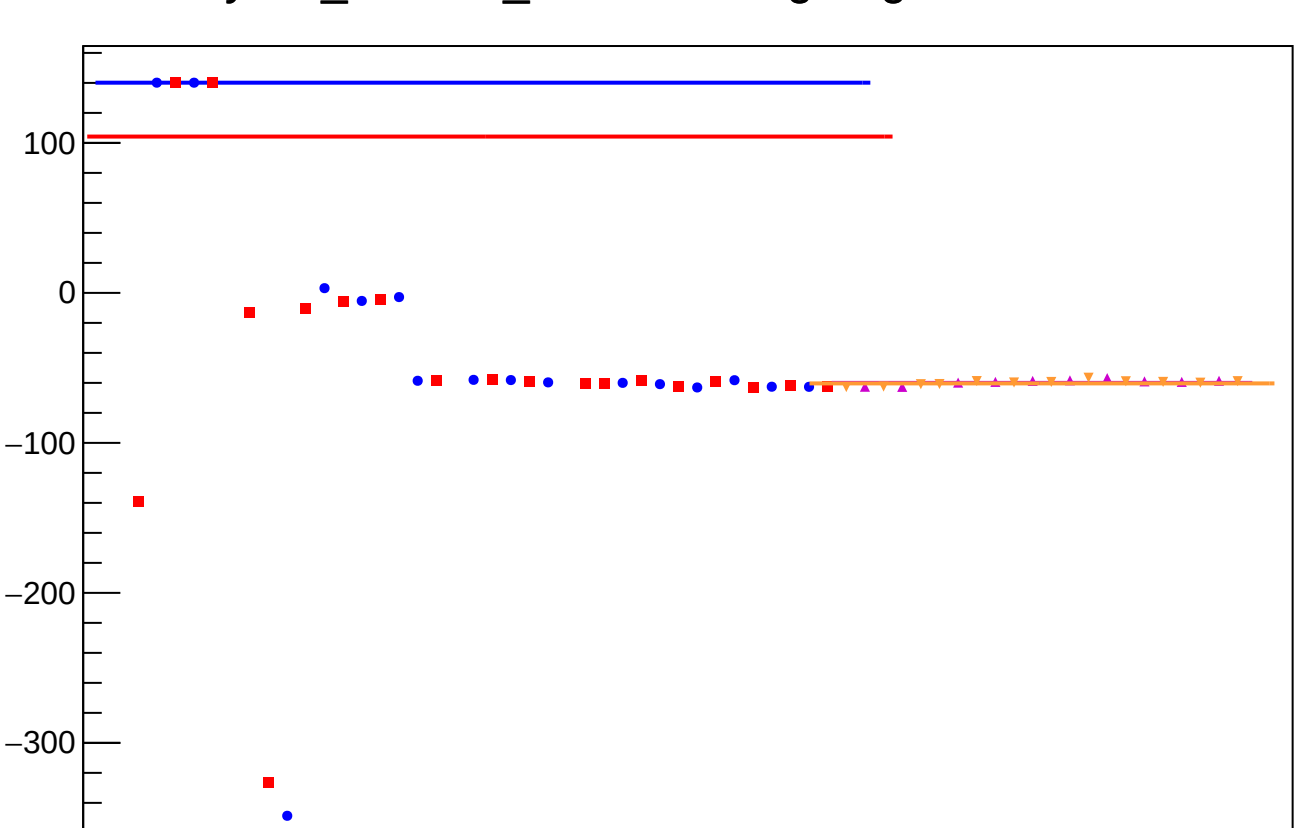
Left: 1.300+/-0.000 χ^2/NDF: 1099023.5/21

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:23800970.4/25

Out: 0.003+/-0.000 χ^2/NDF:24957812.7/30

All: 0.003+/-0.000 χ^2/NDF: 48758981.2/56



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.345+/-0.000 χ^2/NDF:38548950.1/11

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -60.001+/-0.000 χ^2/NDF:47425766.3/9

Left: -60.176+/-0.000 χ^2/NDF: 86615966.9/21

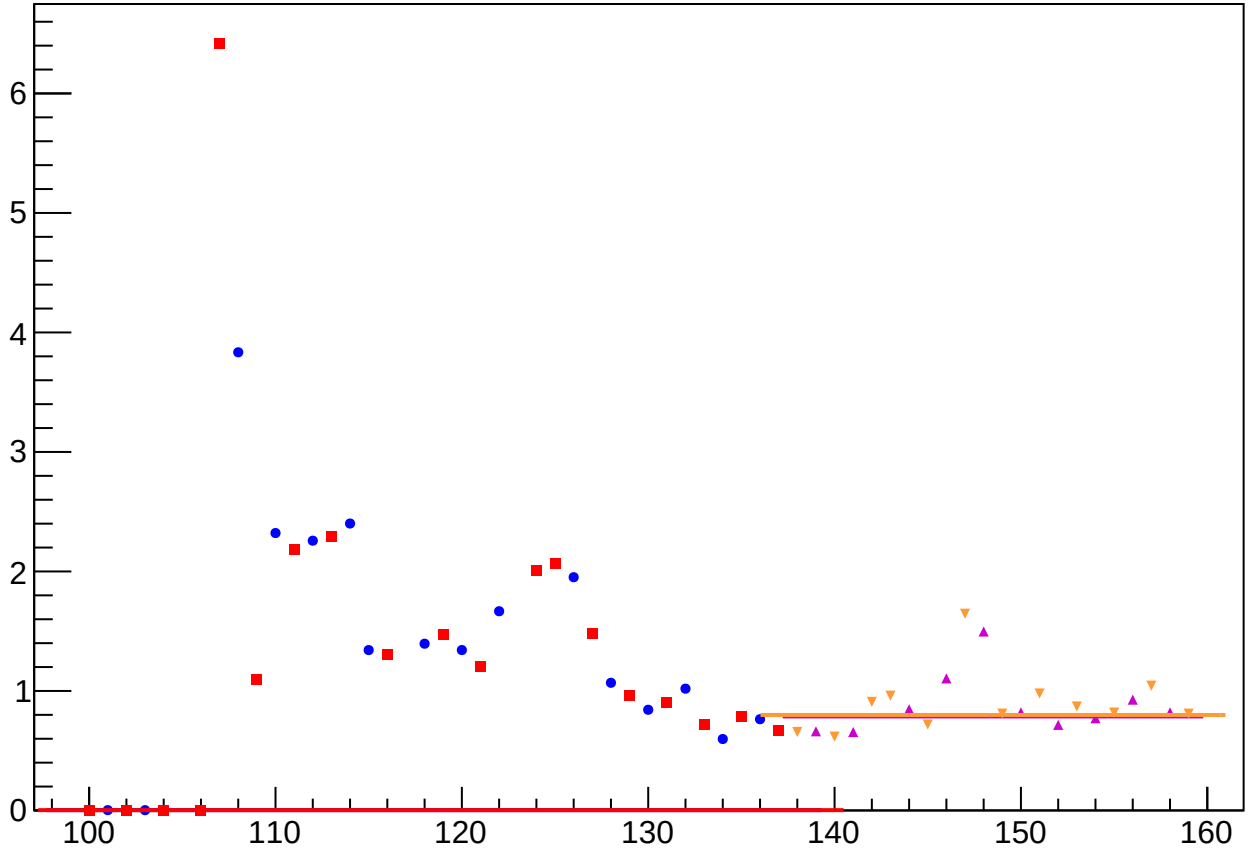
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.132+/-0.000 χ^2/NDF:611494781090.0/25

Out: 104.216+/-0.000 χ^2/NDF:125769961862326

All: 120.821+/-0.000 χ^2/NDF: 138160271659

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.799+/-0.000 χ^2/NDF:764120.0/11

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.787+/-0.000 χ^2/NDF:599593.4/9

Left: 0.793+/-0.000 χ^2/NDF: 1365369.8/21

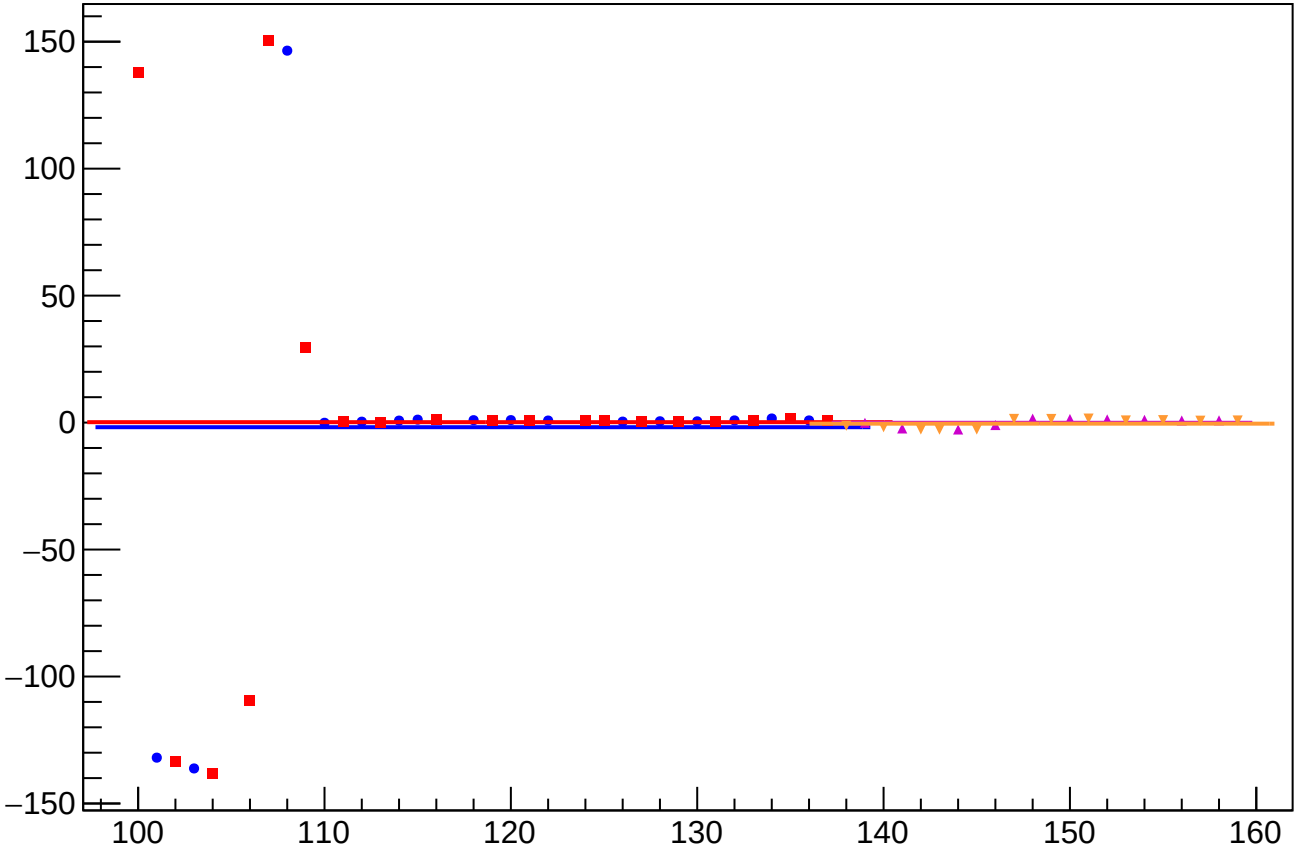
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:24189064.4/25

Out: 0.003+/-0.000 χ^2/NDF:24974367.6/30

All: 0.003+/-0.000 χ^2/NDF: 49163696.8/56

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.424+/-0.000 χ^2/NDF:82809149.5/11

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.082+/-0.000 χ^2/NDF:59531170.9/9

Left: -0.265+/-0.000 χ^2/NDF: 143726343.4/21

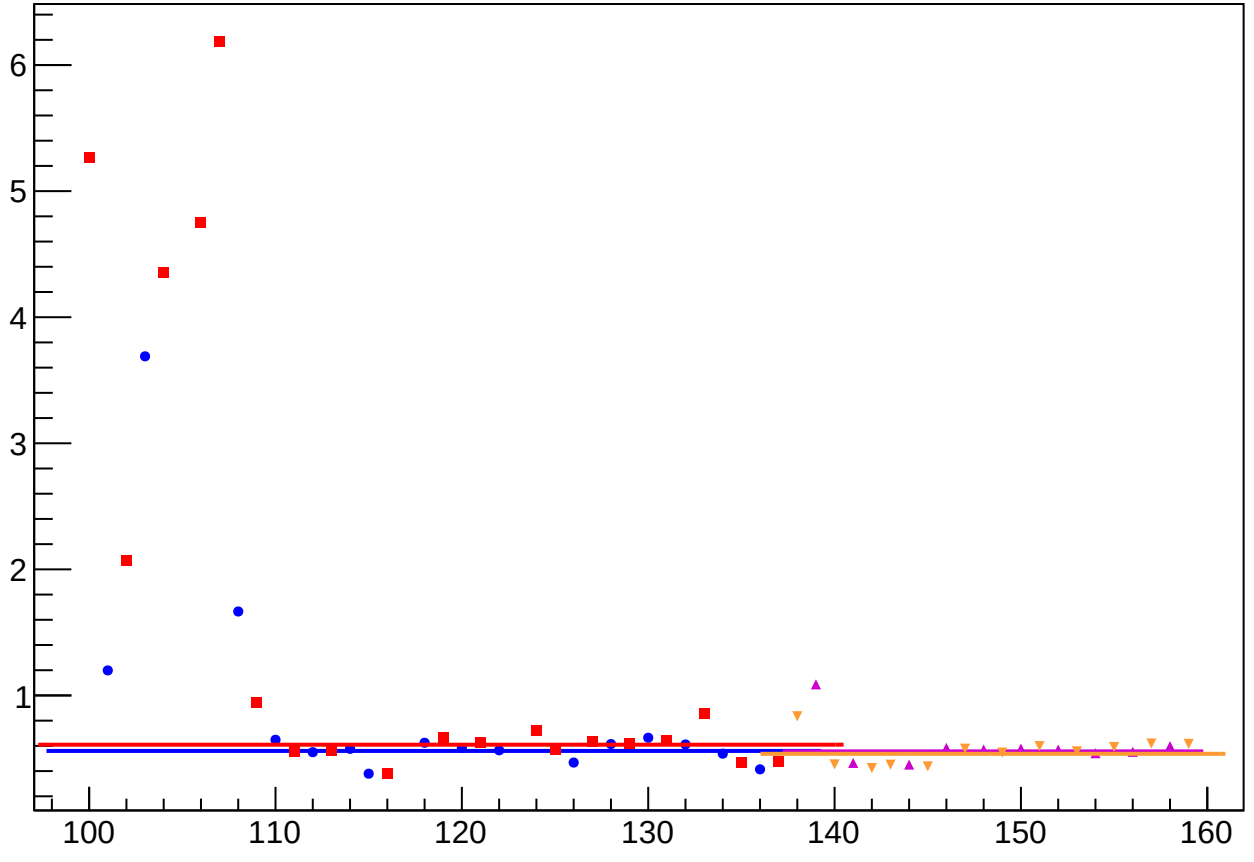
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.814+/-0.000 χ^2/NDF:9974824550.7/25

Out: -0.221+/-0.000 χ^2/NDF:3697093607.4/30

All: -0.515+/-0.000 χ^2/NDF: 13678690343.1/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.537+/-0.000 χ^2/NDF:435226.9/11

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.556+/-0.000 χ^2/NDF:535005.3/9

Left: 0.546+/-0.000 χ^2/NDF: 978915.9/21

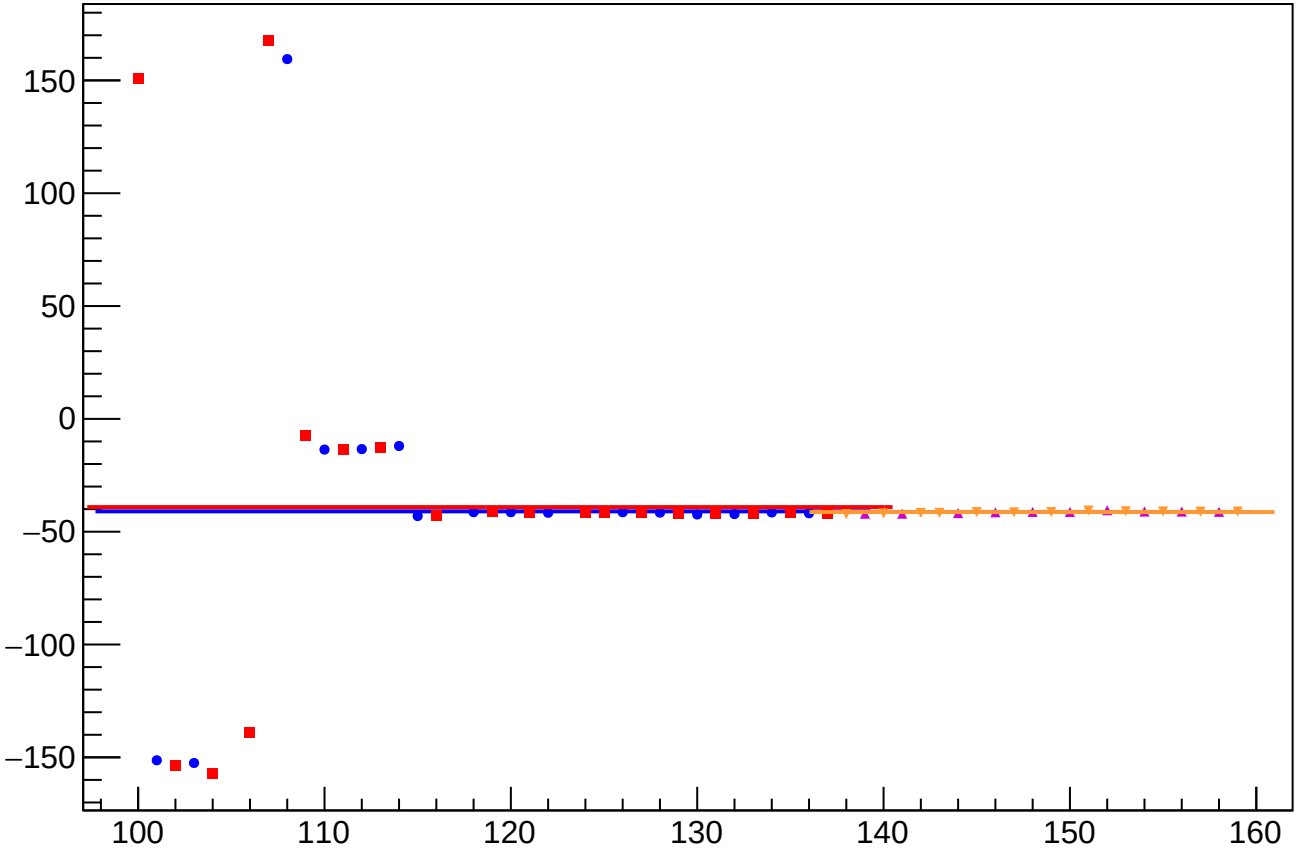
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.558+/-0.000 χ^2/NDF:2133692.1/25

Out: 0.562+/-0.000 χ^2/NDF:3002974.7/30

All: 0.560+/-0.000 χ^2/NDF: 5137357.5/56

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.297+/-0.000 χ^2/NDF:9650118.9/11

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.256+/-0.000 χ^2/NDF:12016763.8/9

Left: -41.277+/-0.000 χ^2/NDF: 21725894.8/21

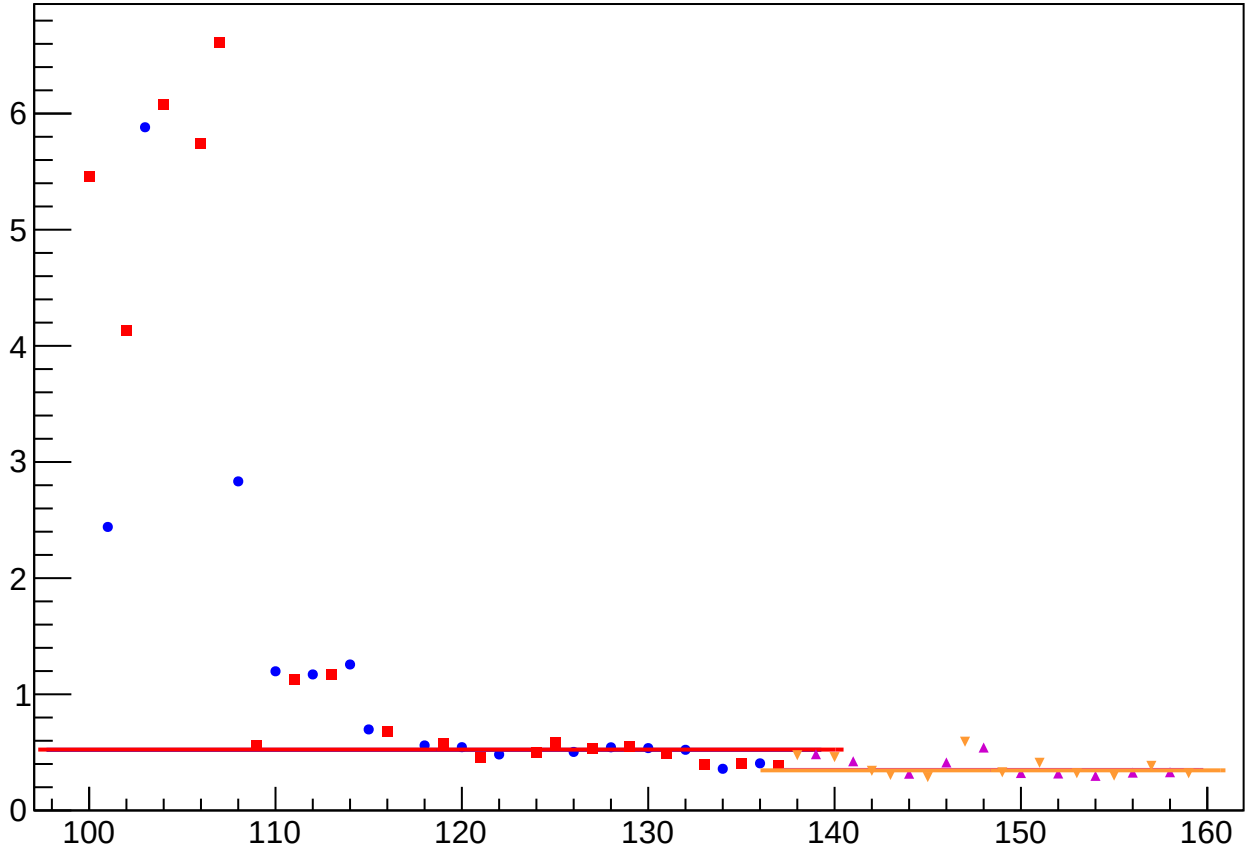
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.197+/-0.000 χ^2/NDF:3462678471.4/25

Out: -40.863+/-0.000 χ^2/NDF:2559086845.0/30

All: -41.024+/-0.000 χ^2/NDF: 6026606726.2/

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:675824.9/11

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:515341.1/9

Left: 0.347+/-0.000 χ^2/NDF: 1191951.7/21

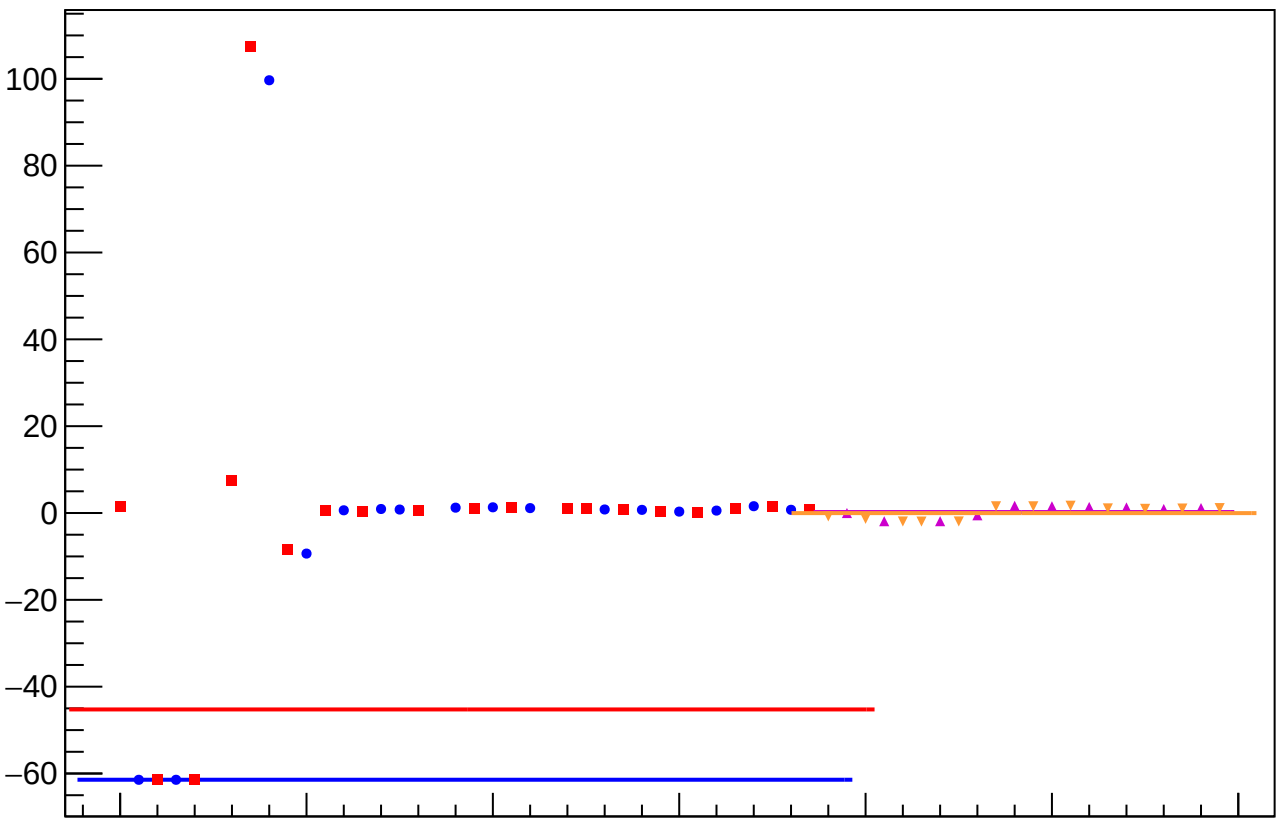
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.387+/-0.000 χ^2/NDF:4329167.1/25

Out: 0.381+/-0.000 χ^2/NDF:4856953.2/30

All: 0.384+/-0.000 χ^2/NDF: 9189441.6/56

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.025+/-0.000 χ^2/NDF:82865570.7/11

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.227+/-0.000 χ^2/NDF:63975852.0/9

Left: 0.093+/-0.000 χ^2/NDF: 147906441.3/21

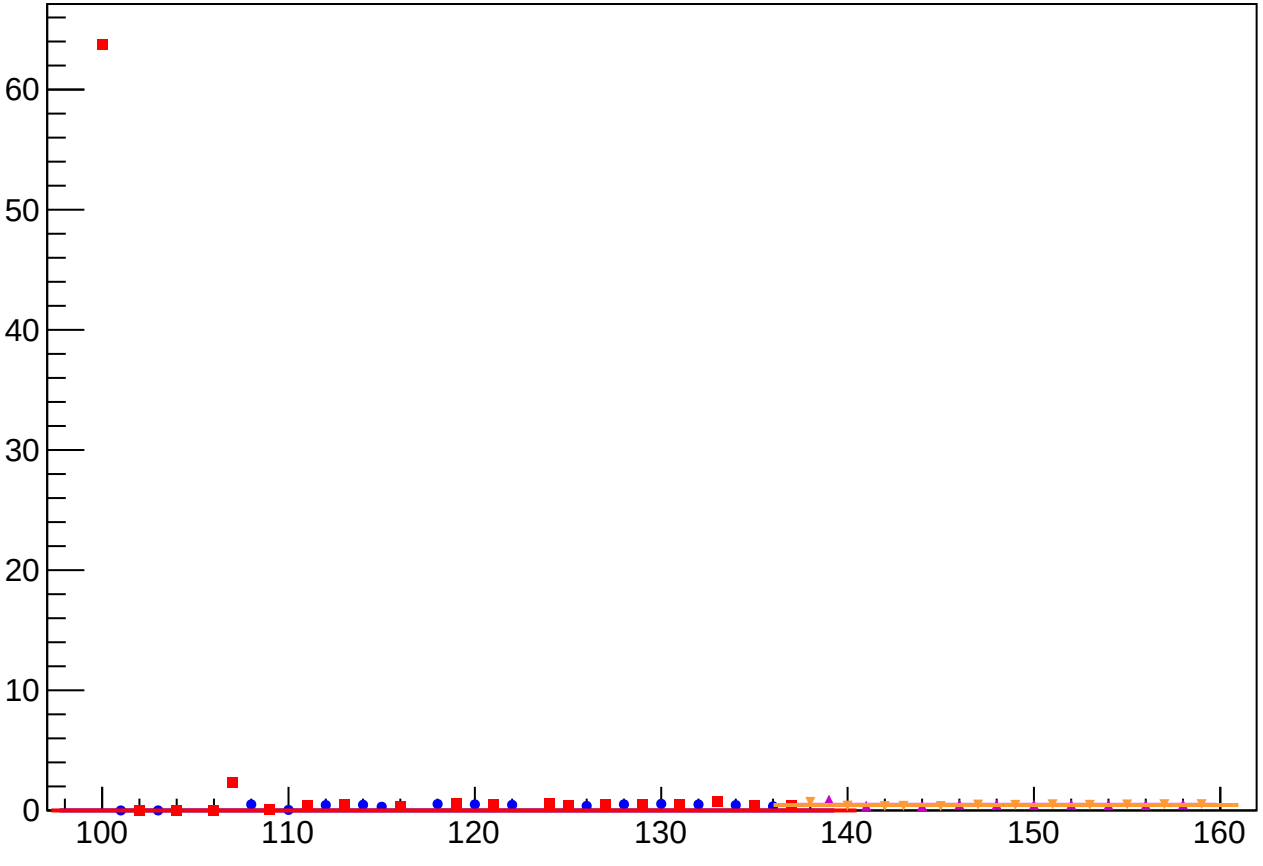
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.431+/-0.000 χ^2/NDF:393096207623.8/25

Out: -45.241+/-0.000 χ^2/NDF:357943642444861.9

All: -52.745+/-0.000 χ^2/NDF: 40930984639

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.454+/-0.000 χ^2/NDF:426340.2/11

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.467+/-0.000 χ^2/NDF:530823.0/9

Left: 0.460+/-0.000 χ^2/NDF: 963050.9/21

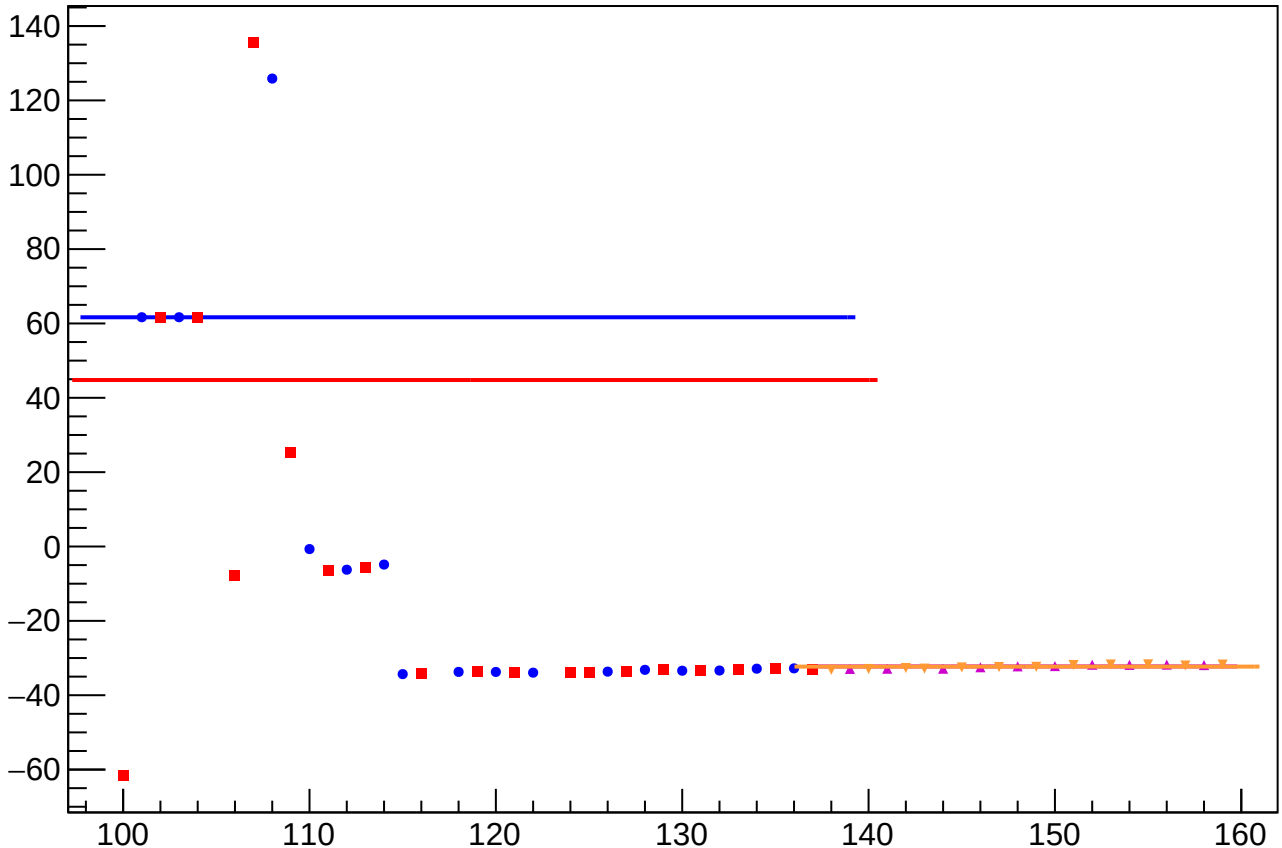
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:23309038.7/25

Out: 0.002+/-0.000 χ^2/NDF:24417914.3/30

All: 0.002+/-0.000 χ^2/NDF: 47726959.8/56

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.304+/-0.000 χ^2/NDF:25077559.6/11

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.257+/-0.000 χ^2/NDF:19913304.9/9

Left: -32.282+/-0.000 χ^2/NDF: 45096010.7/21

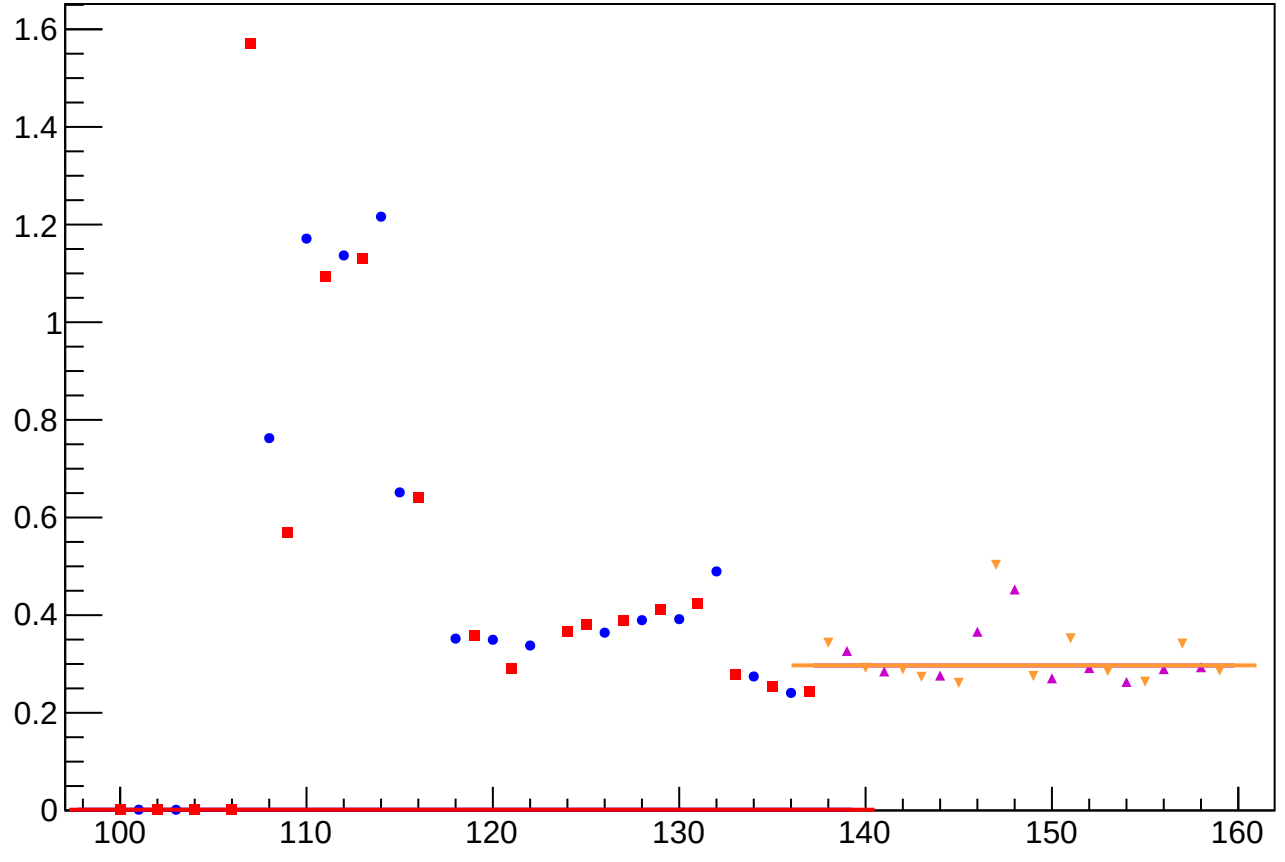
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.636+/-0.000 χ^2/NDF:1192677610334.5/25

Out: 44.765+/-0.000 χ^2/NDF:366694458779013.8

All: 52.666+/-0.000 χ^2/NDF: 418970441752

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:443197.8/11

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.297+/-0.000 χ^2/NDF:319023.1/9

Left: 0.297+/-0.000 χ^2/NDF: 762227.1/21

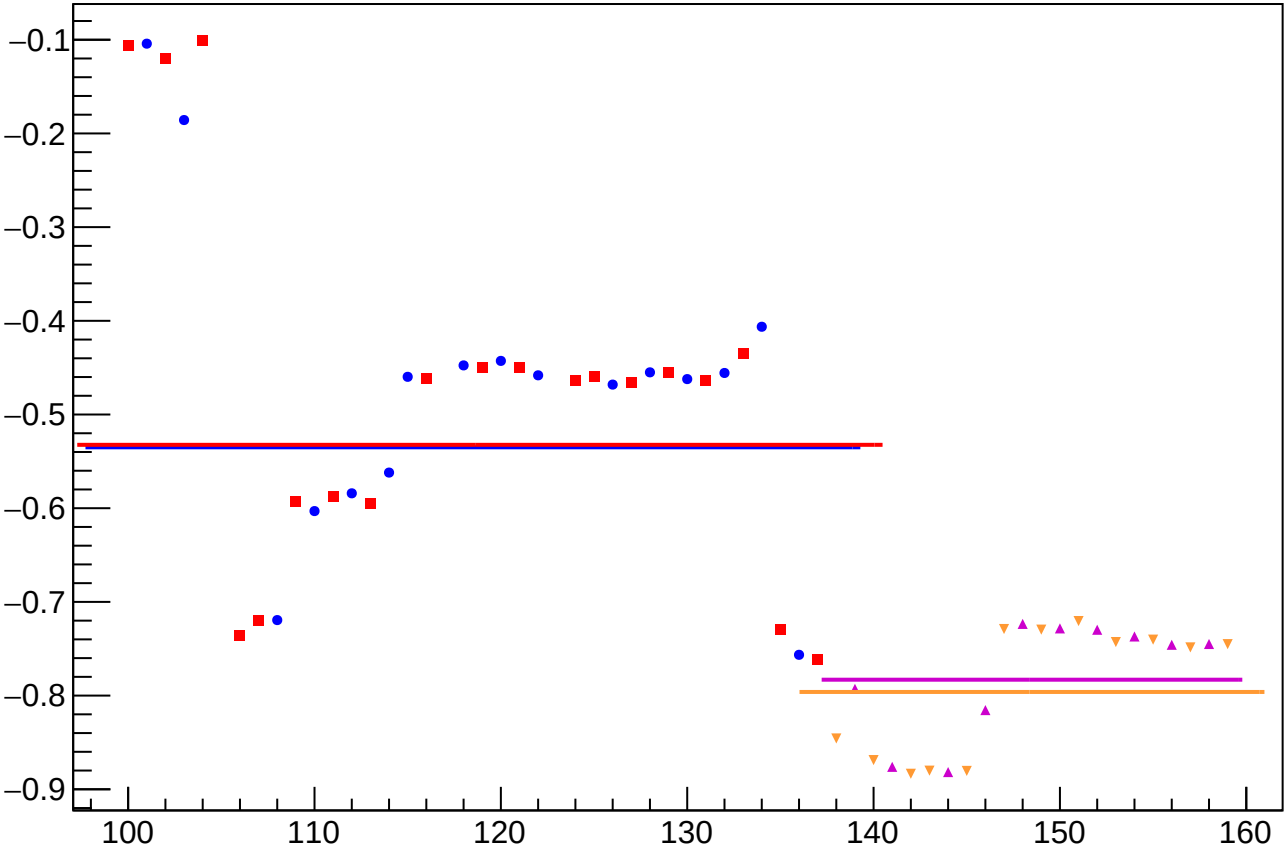
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:27625321.3/25

Out: 0.002+/-0.000 χ^2/NDF:28634576.2/30

All: 0.002+/-0.000 χ^2/NDF: 56259978.8/56

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.796+/-0.000 χ^2/NDF:92640863.1/11

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.783+/-0.000 χ^2/NDF:67475030.2/9

Left: -0.790+/-0.000 χ^2/NDF: 161649940.5/21

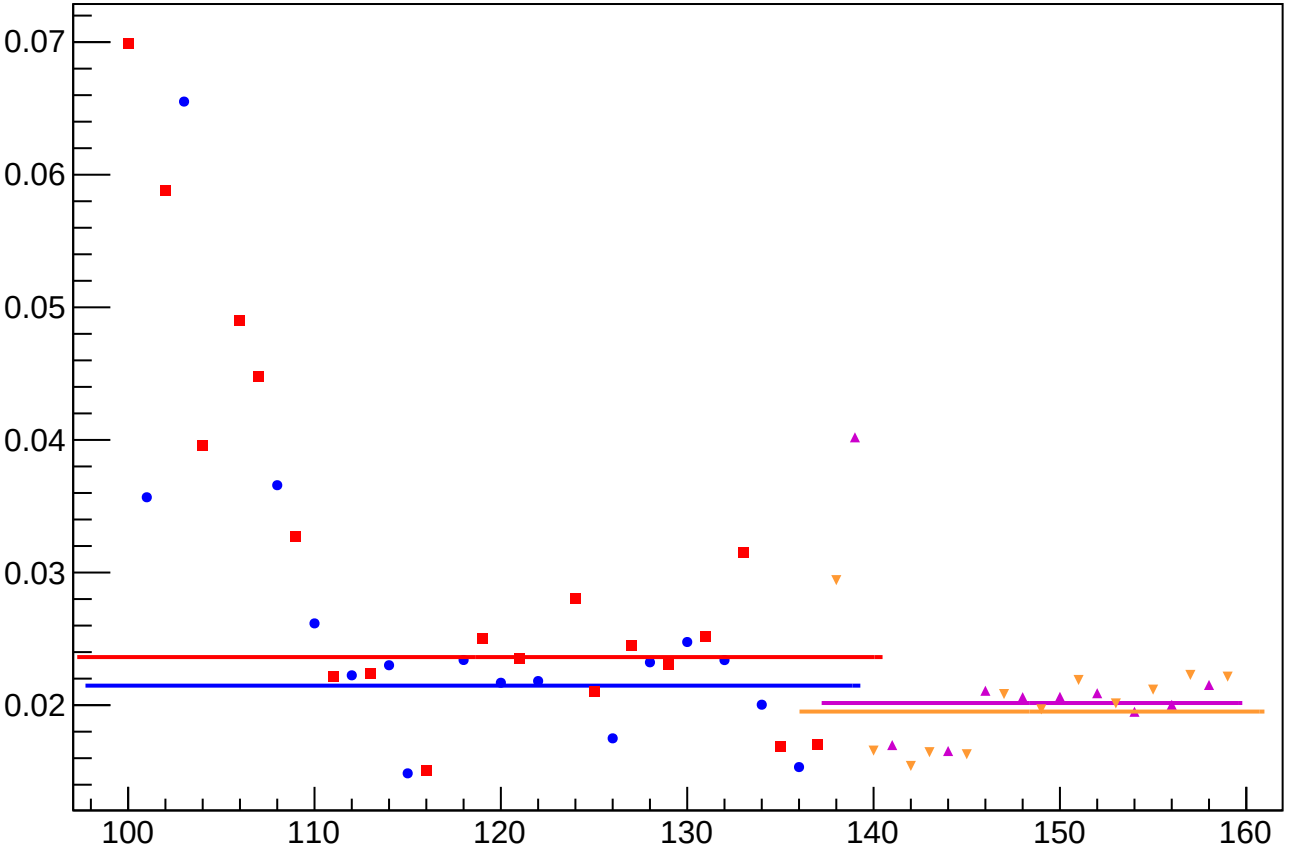
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.682+/-0.000 χ^2/NDF:791077982.8/25

Out: -0.706+/-0.000 χ^2/NDF:764654819.9/30

All: -0.694+/-0.000 χ^2/NDF: 1564353721.8/5

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.020+/-0.000 χ^2/NDF:382594.2/11

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:536663.4/9

Left: 0.020+/-0.000 χ^2/NDF: 926719.2/21

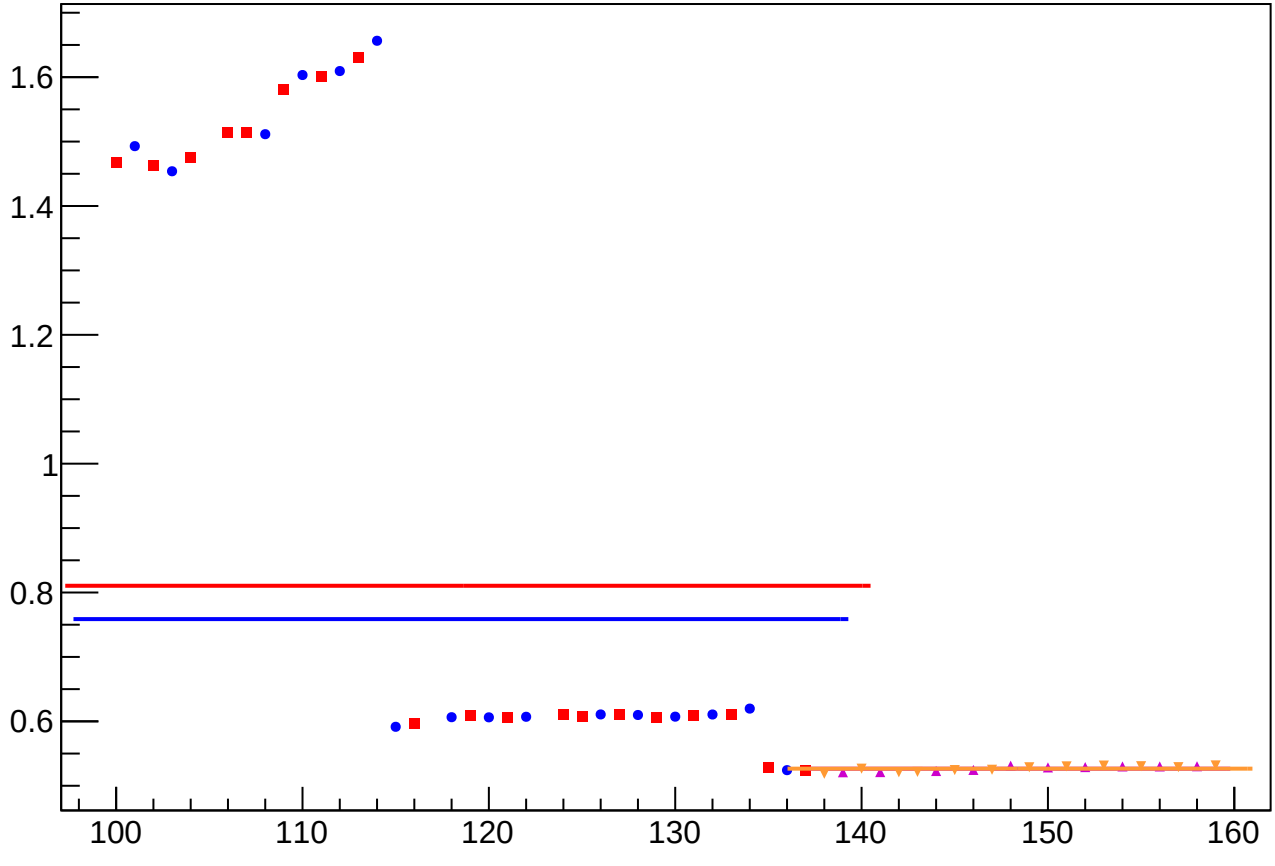
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1714242.2/25

Out: 0.021+/-0.000 χ^2/NDF:1882054.0/30

All: 0.021+/-0.000 χ^2/NDF: 3597723.5/56

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1078334.8/11

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.526+/-0.000 χ^2/NDF:795884.6/9

Left: 0.527+/-0.000 χ^2/NDF: 1874634.0/21

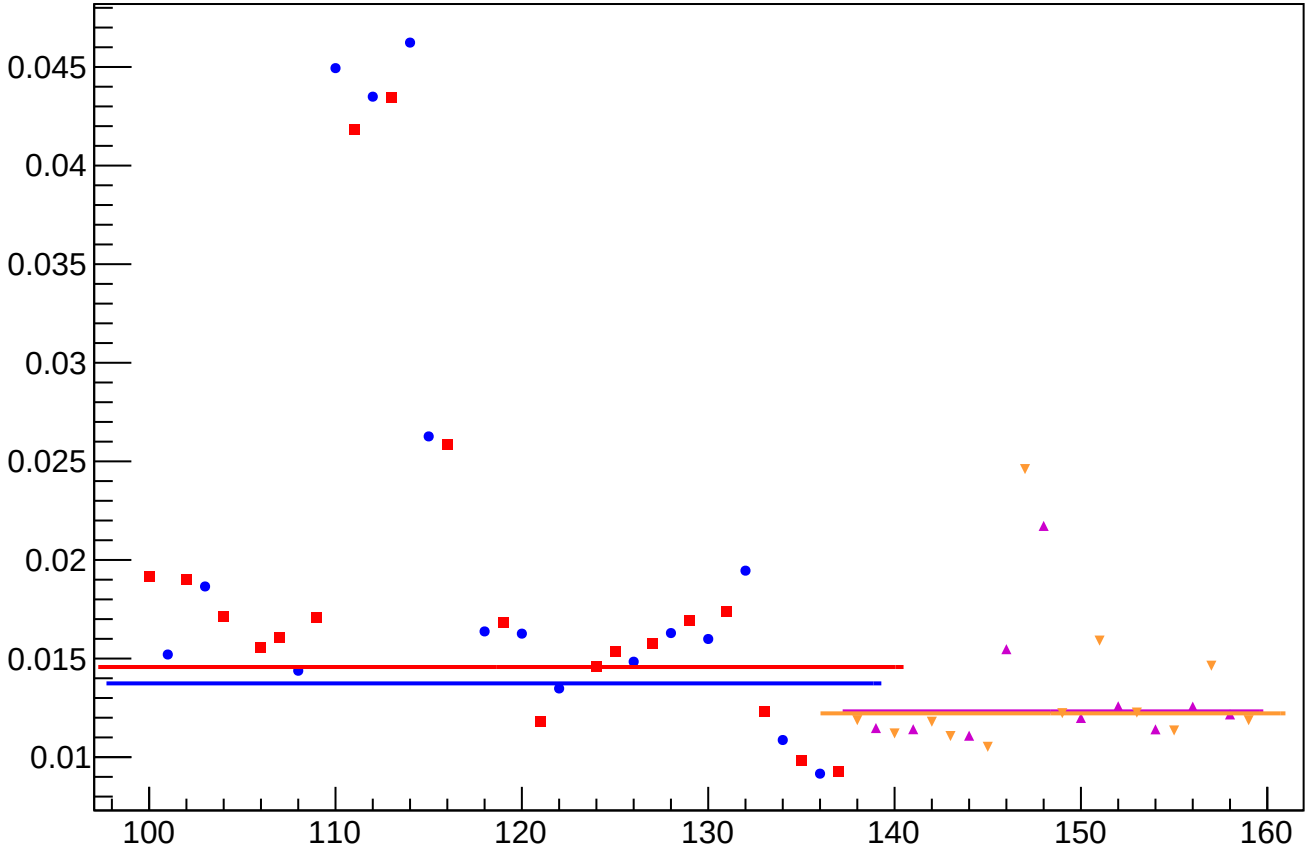
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.612+/-0.000 χ^2/NDF:5378375543.1/25

Out: 0.621+/-0.000 χ^2/NDF:6354747766.3/30

All: 0.616+/-0.000 χ^2/NDF: 11736172532.8/5

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:613205.1/11

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:416225.4/9

Left: 0.012+/-0.000 χ^2/NDF: 1030003.3/21

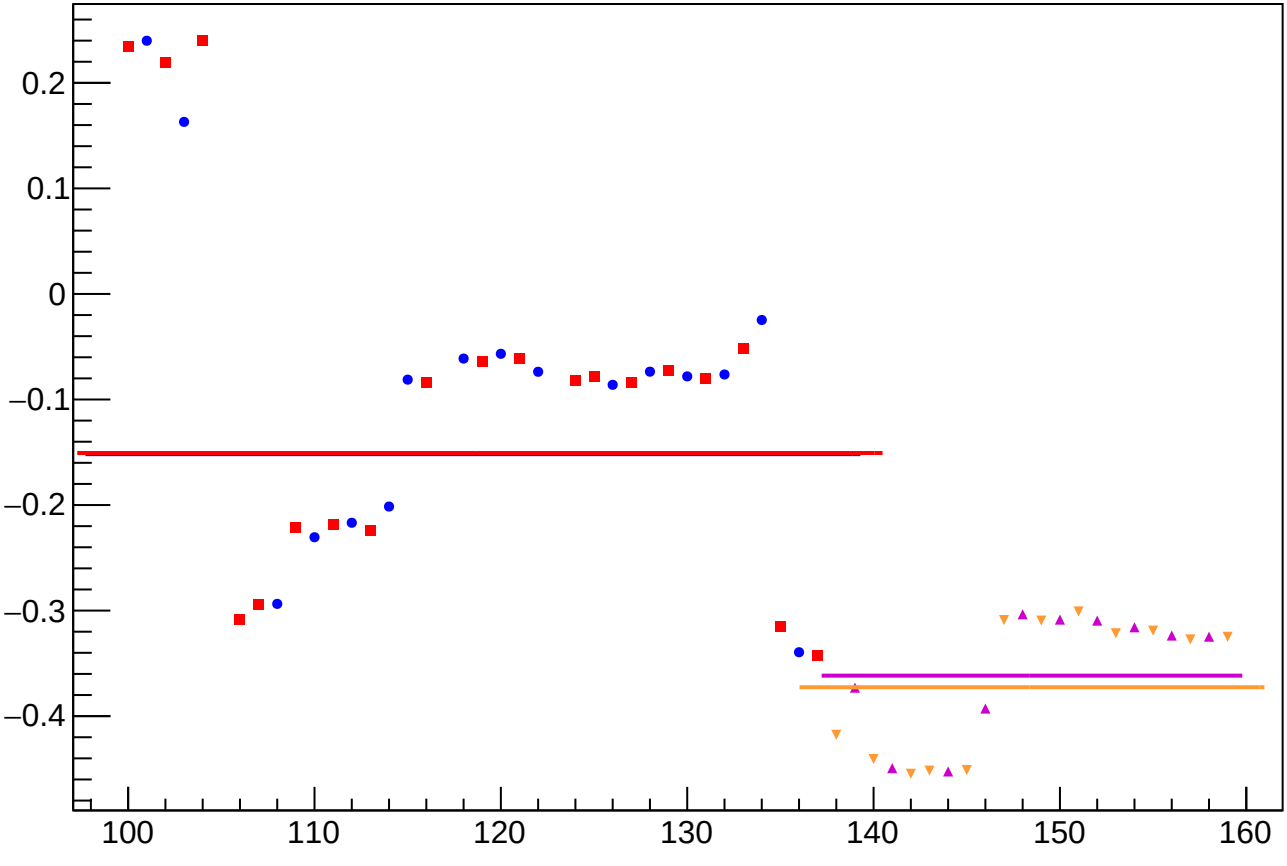
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2146158.4/25

Out: 0.013+/-0.000 χ^2/NDF:2285511.4/30

All: 0.013+/-0.000 χ^2/NDF: 4433723.3/56

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.373+/-0.000 χ^2/NDF:90694229.7/11

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.362+/-0.000 χ^2/NDF:68733707.9/9

Left: -0.367+/-0.000 χ^2/NDF: 160630297.9/21

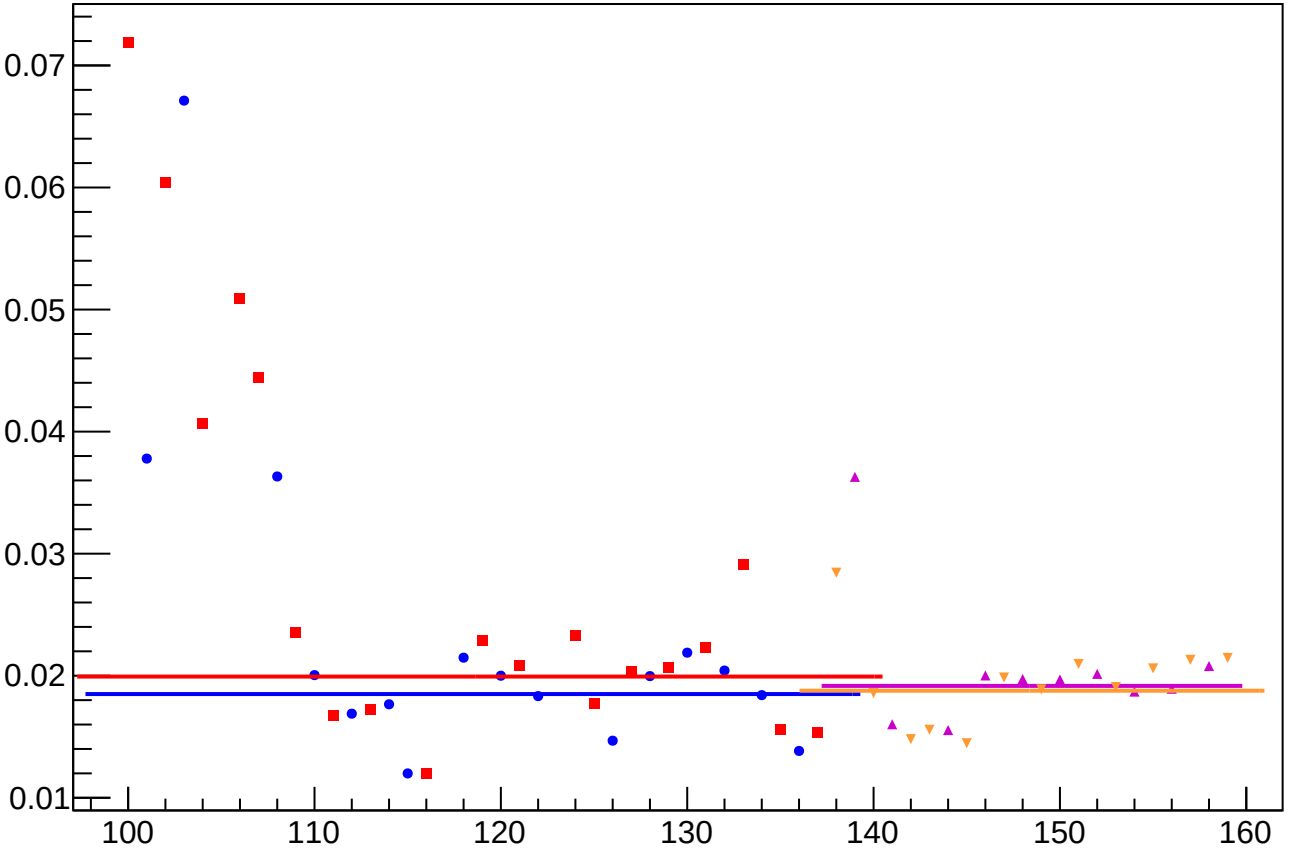
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.267+/-0.000 χ^2/NDF:717958620.5/25

Out: -0.285+/-0.000 χ^2/NDF:699187399.7/30

All: -0.276+/-0.000 χ^2/NDF: 1422855370.2/5

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:421838.5/11

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:512927.0/9

Left: 0.019+/-0.000 χ^2/NDF: 937854.1/21

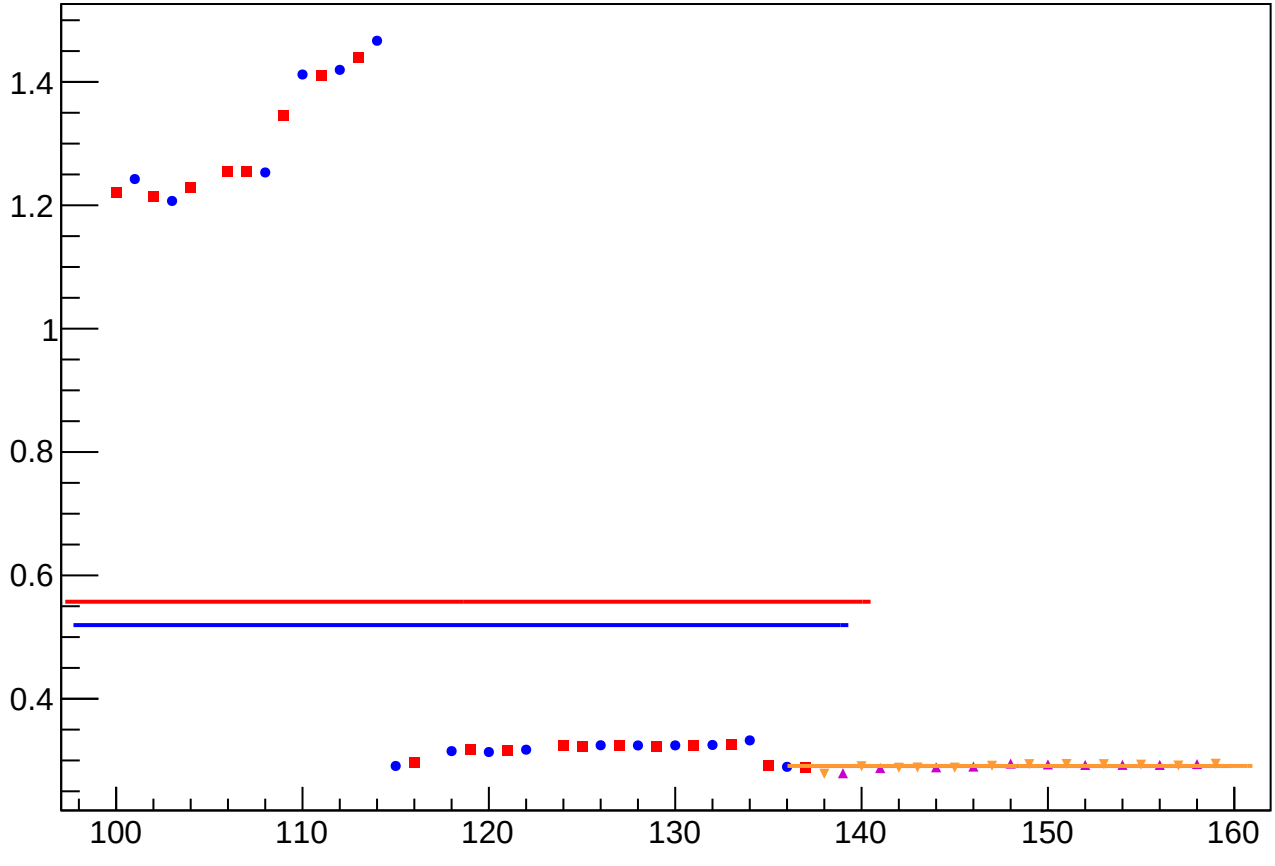
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1892843.5/25

Out: 0.019+/-0.000 χ^2/NDF:1991714.4/30

All: 0.019+/-0.000 χ^2/NDF: 3889119.8/56

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1125407.9/11

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1116844.7/9

Left: 0.291+/-0.000 χ^2/NDF: 2242930.9/21

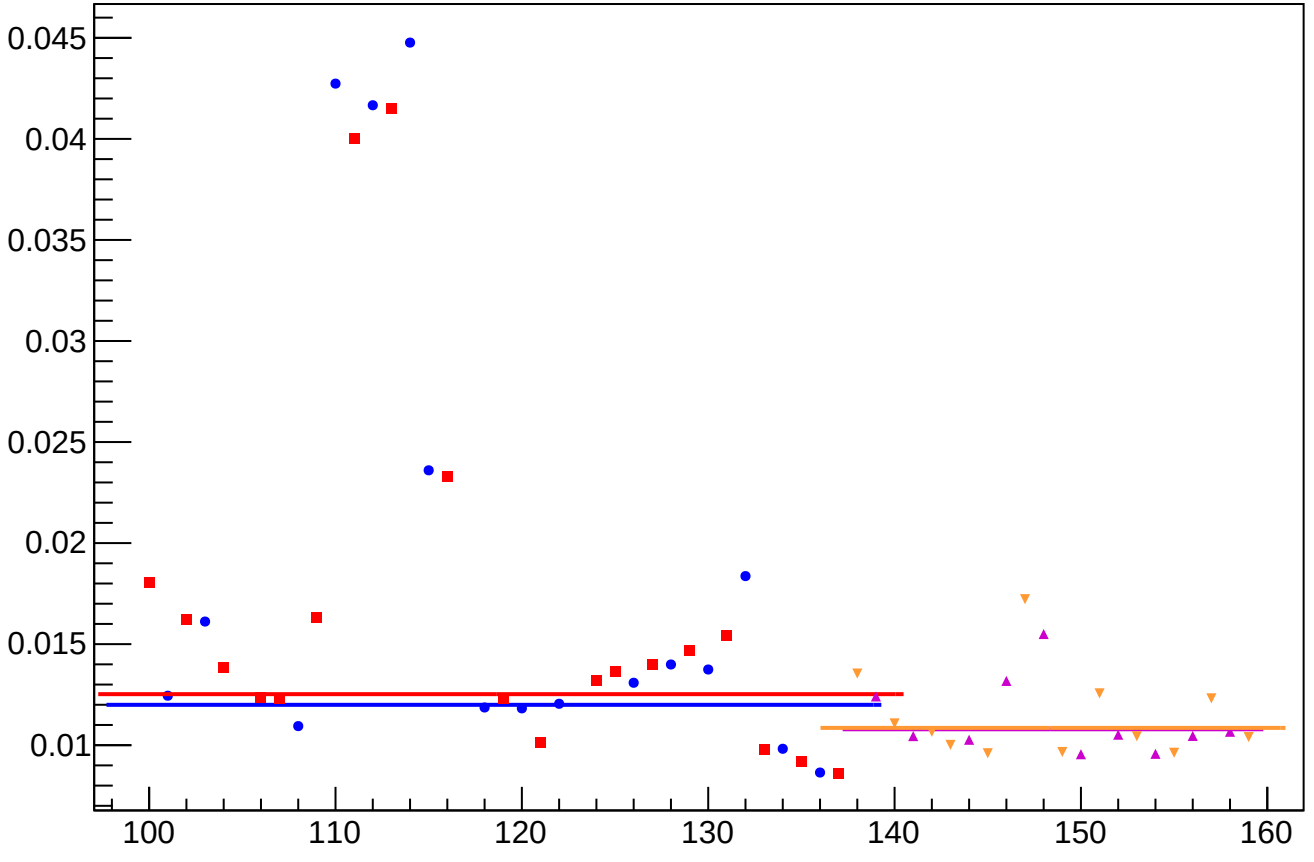
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.375+/-0.000 χ^2/NDF:7683712414.4/25

Out: 0.382+/-0.000 χ^2/NDF:8571522405.4/30

All: 0.379+/-0.000 χ^2/NDF: 16257599677.7/5

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:423628.0/11

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:295958.3/9

Left: 0.011+/-0.000 χ^2/NDF: 719935.0/21

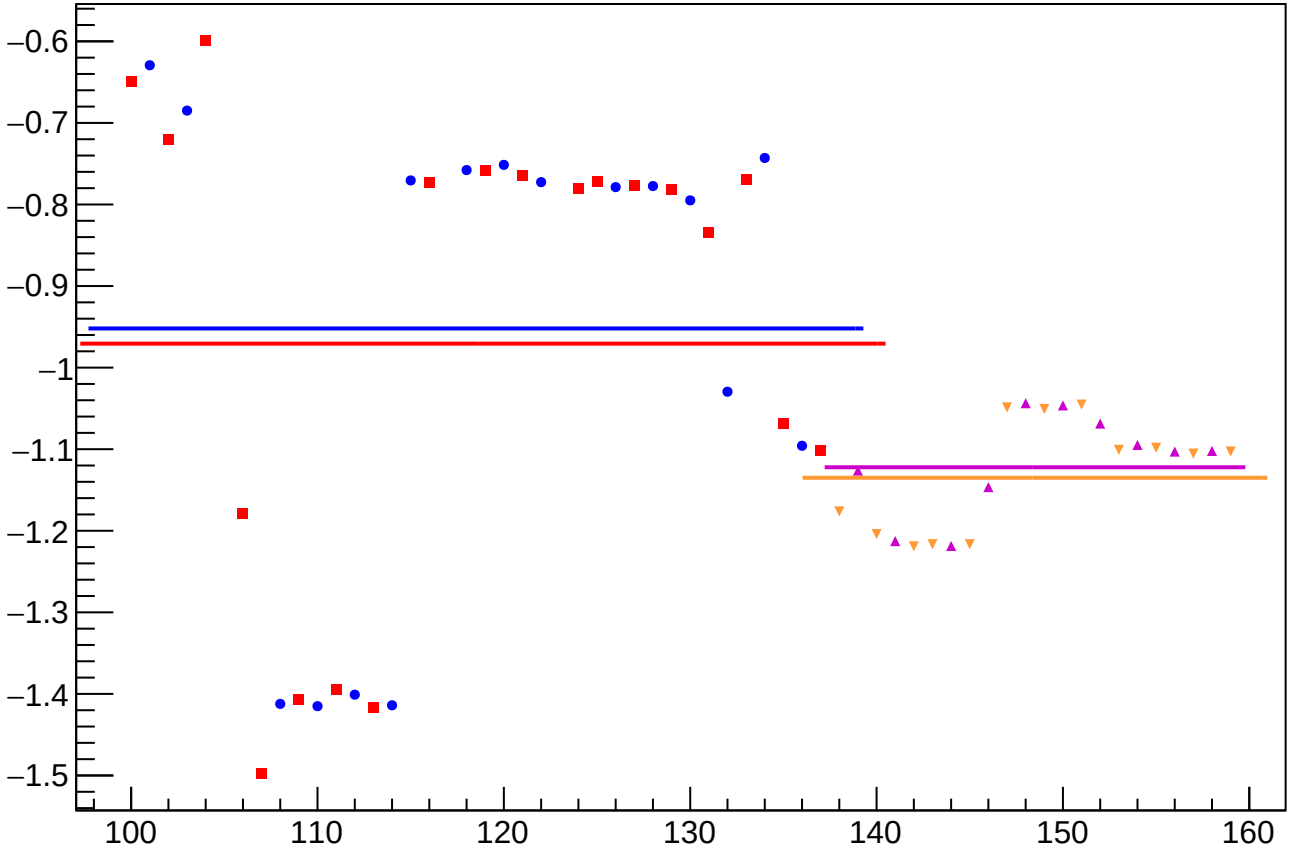
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1864062.9/25

Out: 0.011+/-0.000 χ^2/NDF:2001240.9/30

All: 0.011+/-0.000 χ^2/NDF: 3869430.1/56

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.135+/-0.000 χ^2/NDF:95989282.4/11

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.122+/-0.000 χ^2/NDF:71155736.8/9

Left: -1.129+/-0.000 χ^2/NDF: 168703381.3/21

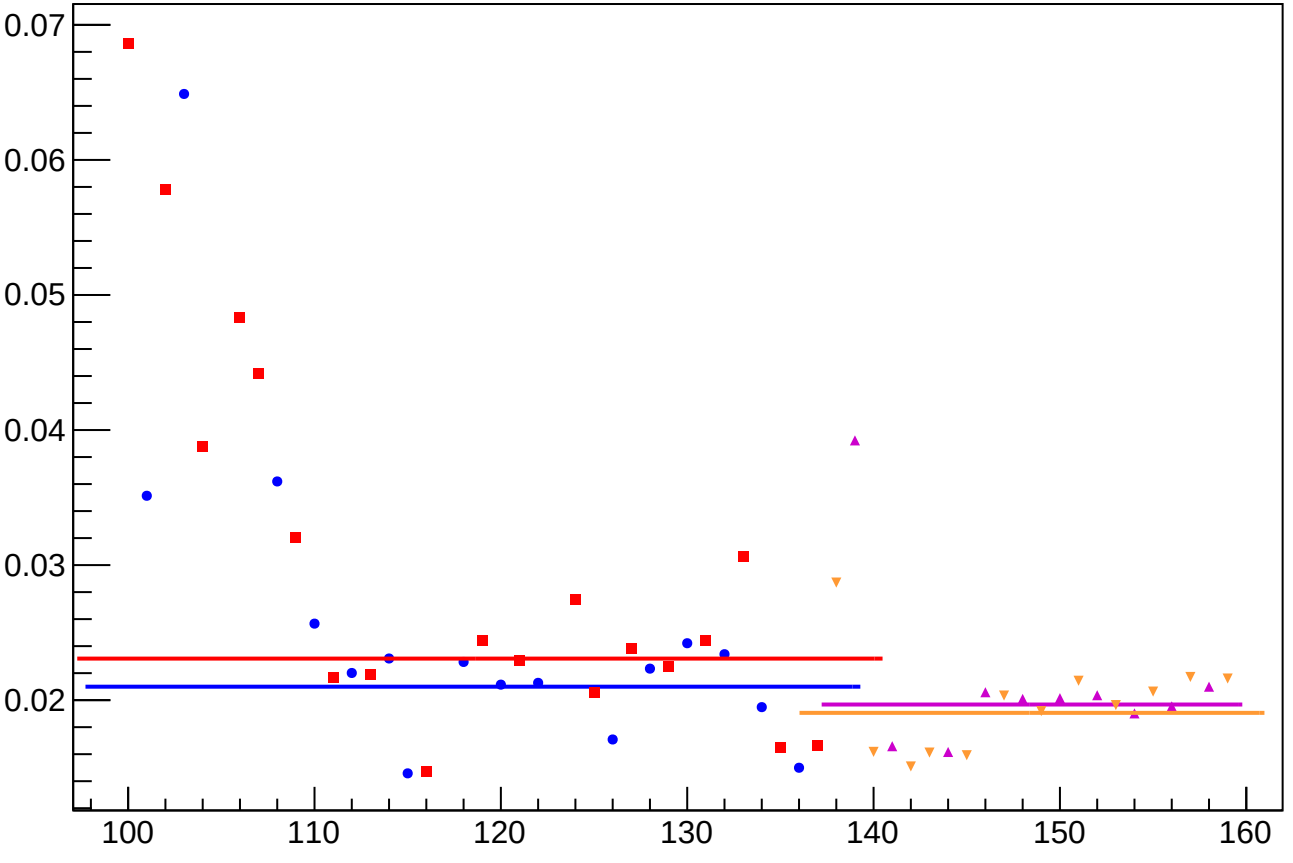
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.053+/-0.000 χ^2/NDF:978833046.1/25

Out: -1.079+/-0.000 χ^2/NDF:996618716.8/30

All: -1.066+/-0.000 χ^2/NDF: 1985840808.9/5

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:378928.1/11

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.020+/-0.000 χ^2/NDF:535591.7/9

Left: 0.019+/-0.000 χ^2/NDF: 921706.3/21

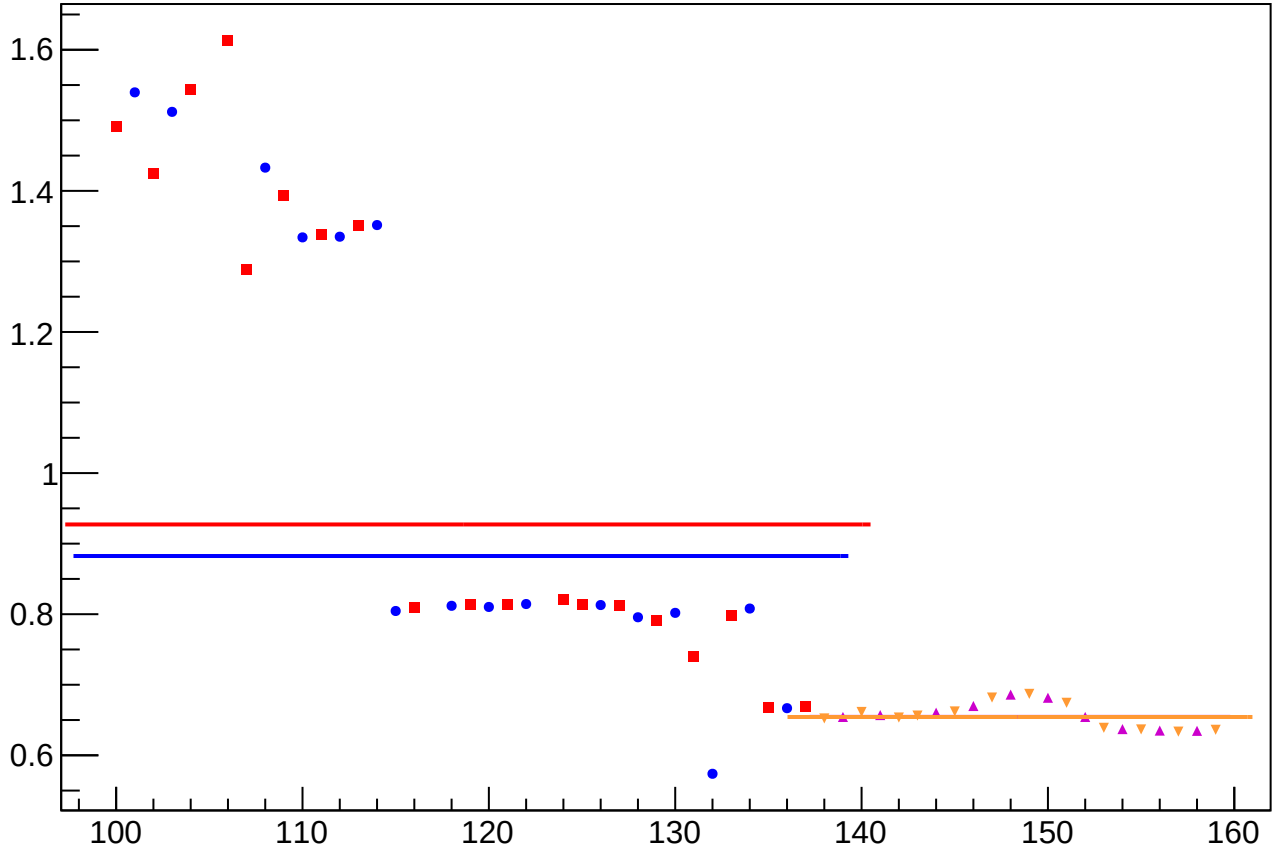
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1727661.3/25

Out: 0.020+/-0.000 χ^2/NDF:1882508.0/30

All: 0.020+/-0.000 χ^2/NDF: 3611529.3/56

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.654+/-0.000 χ^2/NDF:15676596.2/11

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.654+/-0.000 χ^2/NDF:13414226.5/9

Left: 0.654+/-0.000 χ^2/NDF: 29091439.2/21

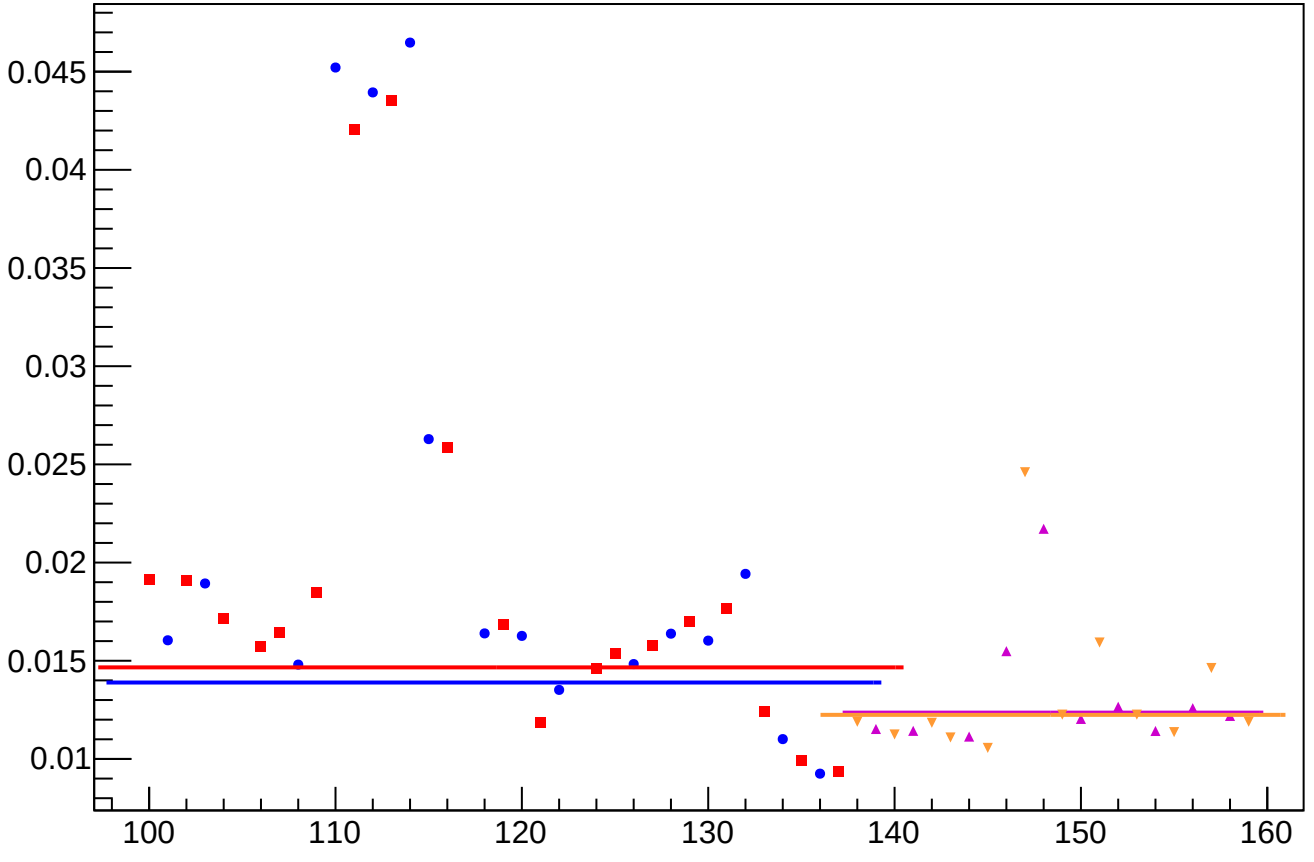
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.737+/-0.000 χ^2/NDF:3812768465.6/25

Out: 0.744+/-0.000 χ^2/NDF:4223400598.7/30

All: 0.741+/-0.000 χ^2/NDF: 8037852293.8/56

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:607971.7/11

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:412679.0/9

Left: 0.012+/-0.000 χ^2/NDF: 1021369.1/21

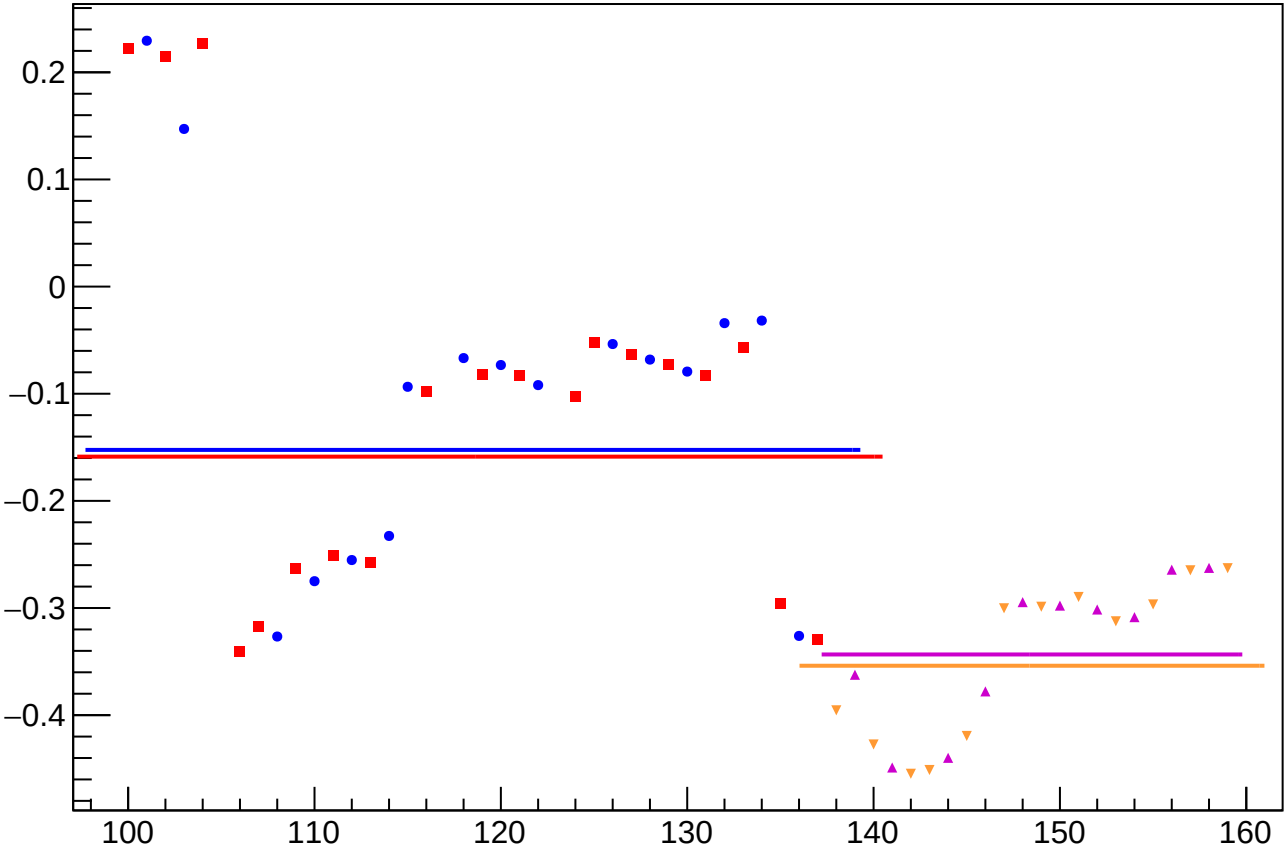
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2151171.1/25

Out: 0.013+/-0.000 χ^2/NDF:2301716.4/30

All: 0.013+/-0.000 χ^2/NDF: 4454147.1/56

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.354+/-0.000 χ^2/NDF:110898436.9/11

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.343+/-0.000 χ^2/NDF:90706463.7/9

Left: -0.349+/-0.000 χ^2/NDF: 202686324.1/21

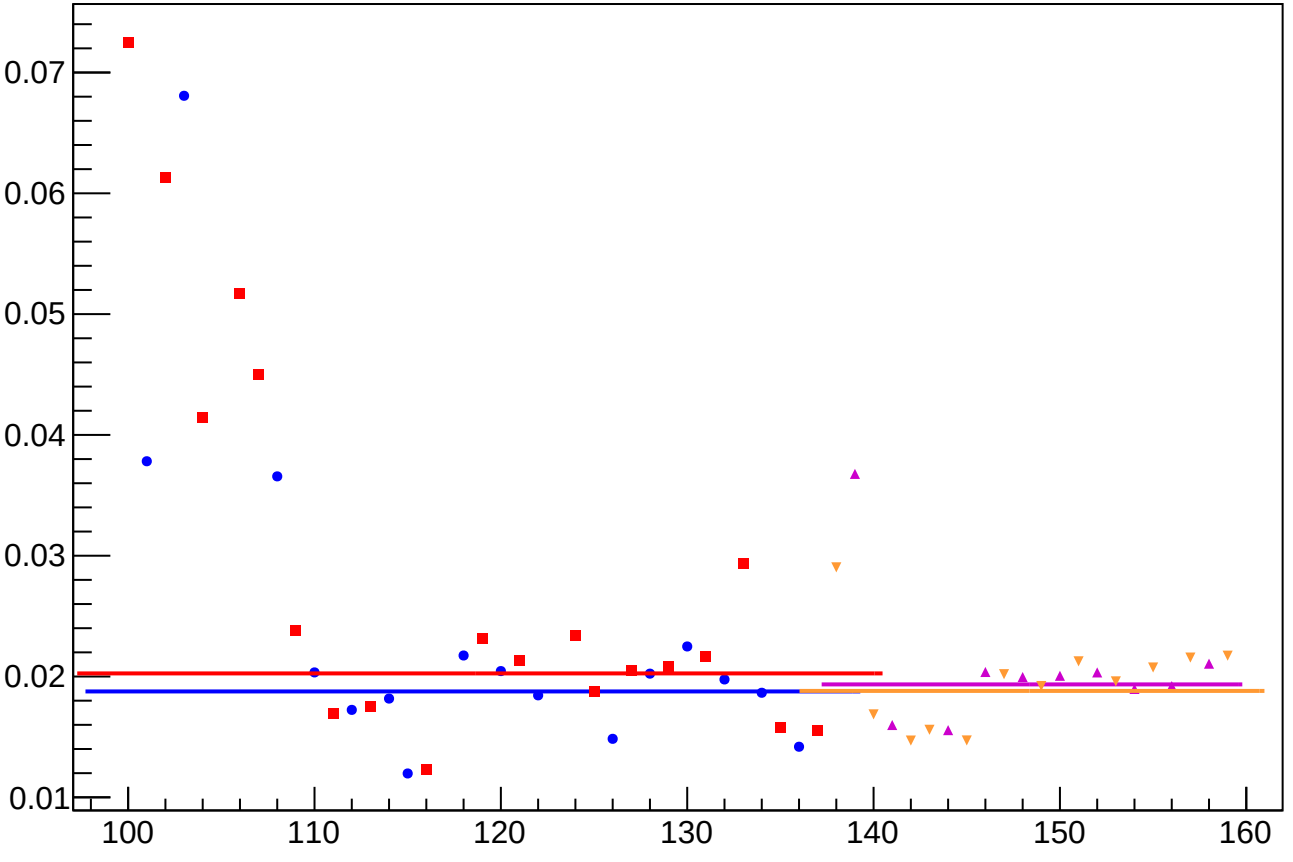
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.258+/-0.000 χ^2/NDF:665888904.5/25

Out: -0.278+/-0.000 χ^2/NDF:615392687.4/30

All: -0.268+/-0.000 χ^2/NDF: 1288349370.8/5

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:458008.4/11

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:531152.2/9

Left: 0.019+/-0.000 χ^2/NDF: 994841.2/21

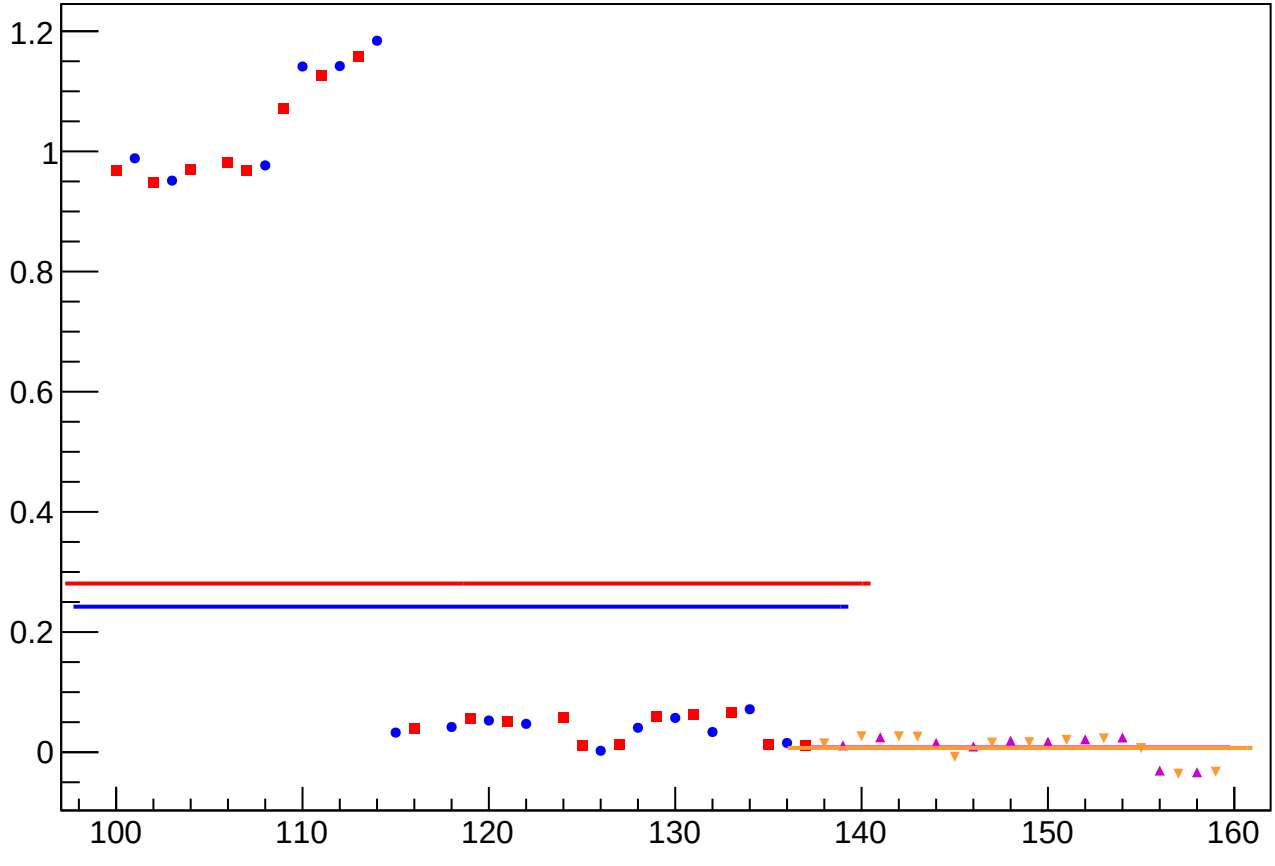
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1886170.5/25

Out: 0.019+/-0.000 χ^2/NDF:2021674.0/30

All: 0.019+/-0.000 χ^2/NDF: 3910602.1/56

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:35506604.6/11

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.008+/-0.000 χ^2/NDF:32798302.4/9

Left: 0.008+/-0.000 χ^2/NDF: 68328439.1/21

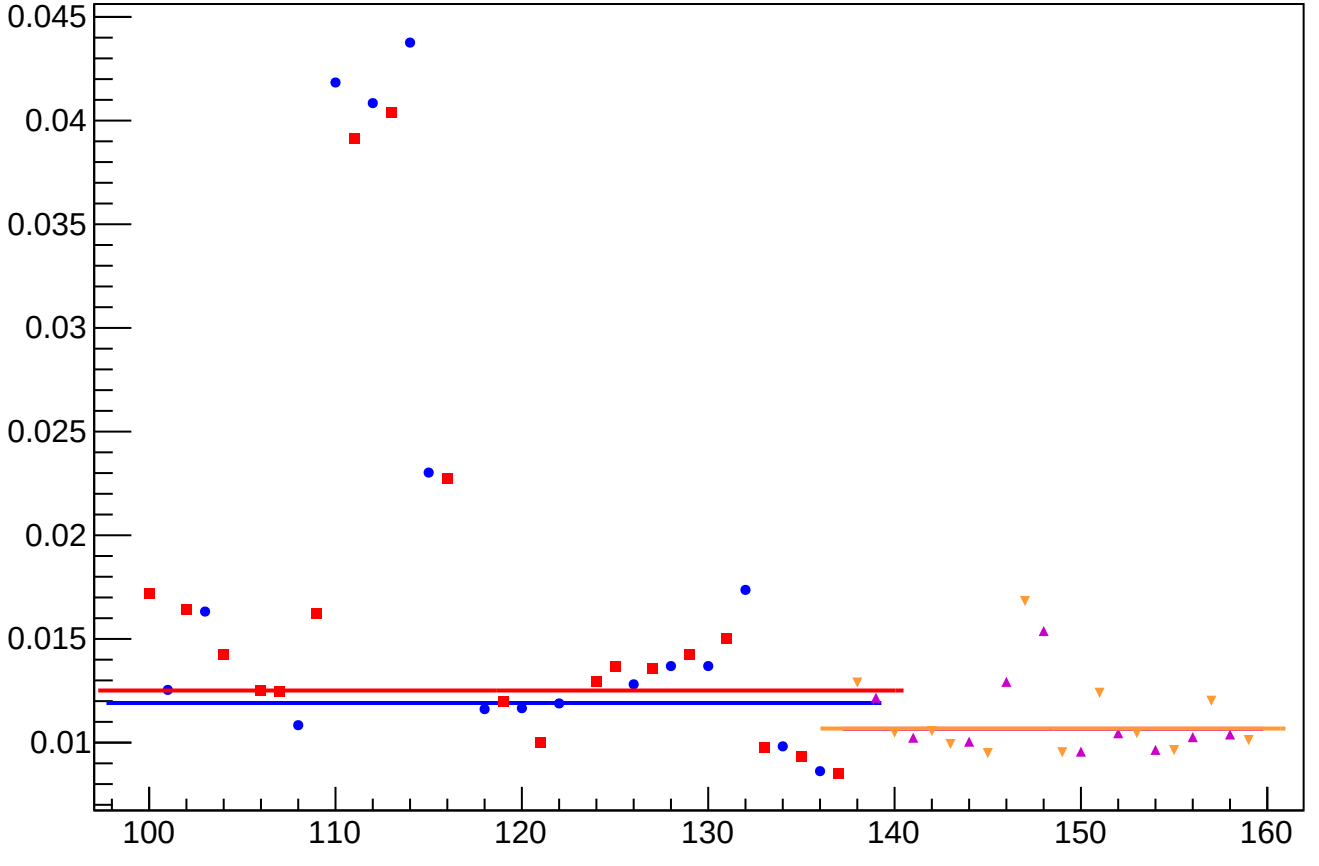
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.094+/-0.000 χ^2/NDF:8001728096.9/25

Out: 0.098+/-0.000 χ^2/NDF:8746610157.1/30

All: 0.096+/-0.000 χ^2/NDF: 16749464060.1/5

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:388703.7/11

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.8/9

Left: 0.011+/-0.000 χ^2/NDF: 670624.5/21

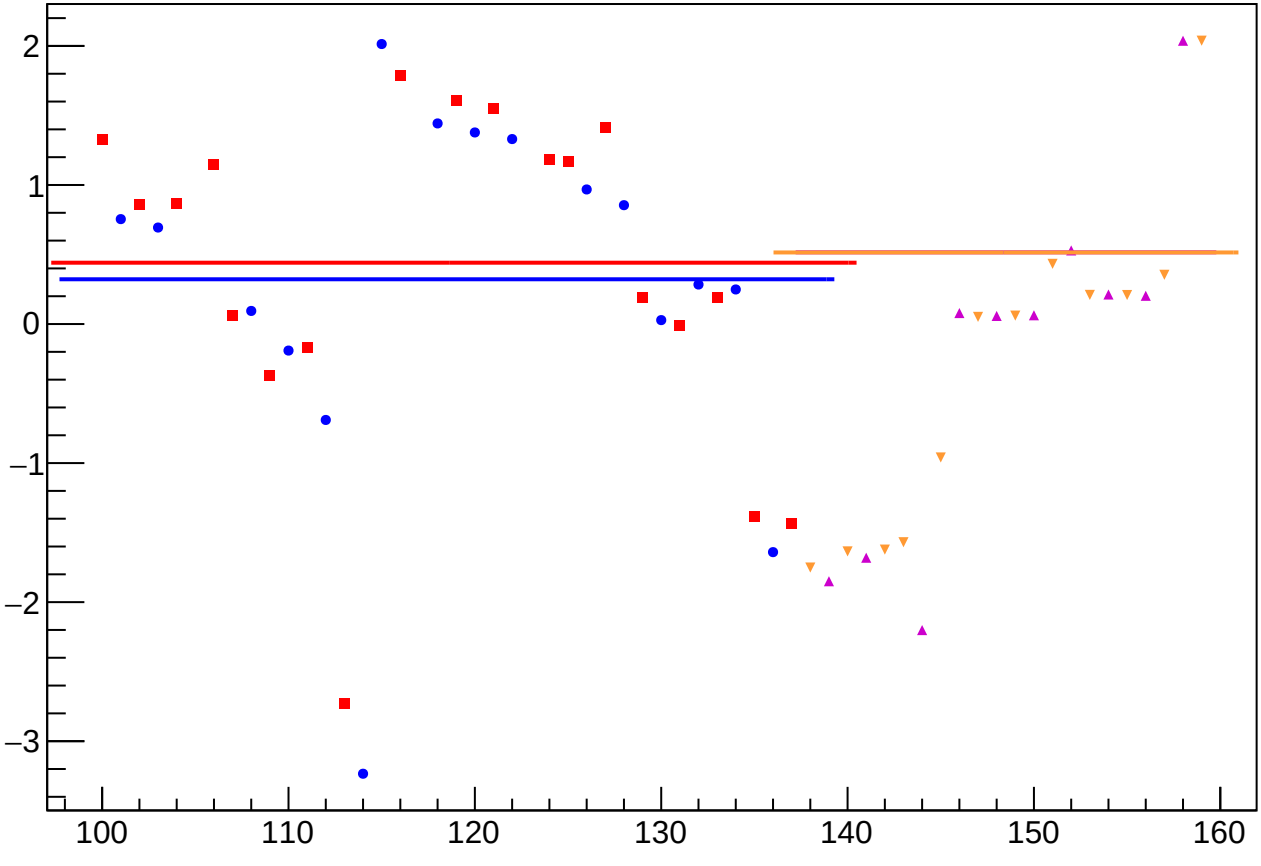
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1824222.5/25

Out: 0.011+/-0.000 χ^2/NDF:1956747.1/30

All: 0.011+/-0.000 χ^2/NDF: 3784298.1/56

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.515+/-0.000 χ^2/NDF:12877320383.5/11

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.516+/-0.000 χ^2/NDF:14846225212.7/9

Left: 0.515+/-0.000 χ^2/NDF: 27723555483.5/21

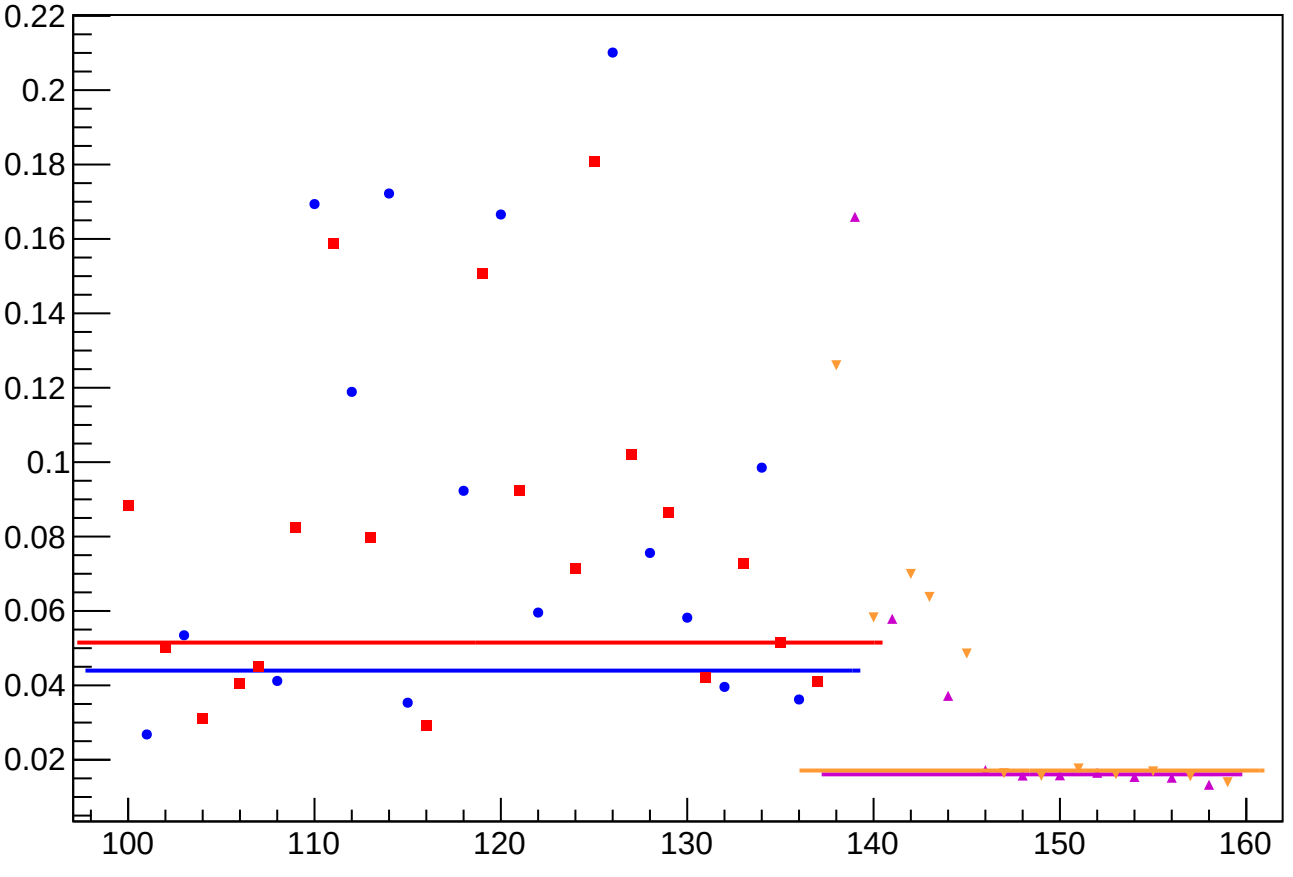
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.500+/-0.000 χ^2/NDF:16579606782.2/25

Out: 0.509+/-0.000 χ^2/NDF:14682297713.7/30

All: 0.504+/-0.000 χ^2/NDF: 31262983298.3/5

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:2772757.4/11

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.016+/-0.000 χ^2/NDF:2052148.1/9

Left: 0.017+/-0.000 χ^2/NDF: 4847245.0/21

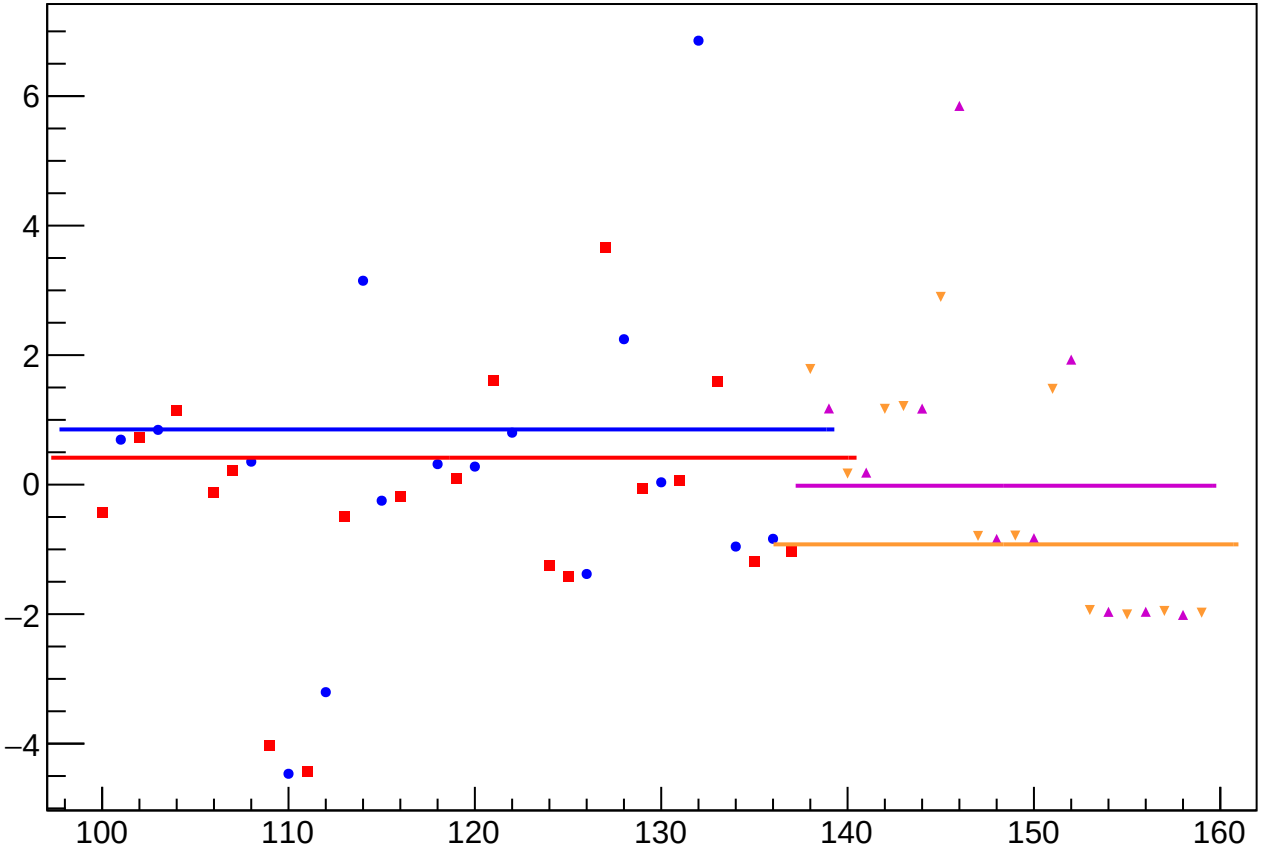
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.018+/-0.000 χ^2/NDF:7670074.0/25

Out: 0.020+/-0.000 χ^2/NDF:8746165.6/30

All: 0.019+/-0.000 χ^2/NDF: 16452511.5/56

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.922+/-0.000 χ^2/NDF:86704318420.4/11

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: -0.017+/-0.000 χ^2/NDF:234763851019.9/9

Left: -0.465+/-0.000 χ^2/NDF: 334273875153.7/21

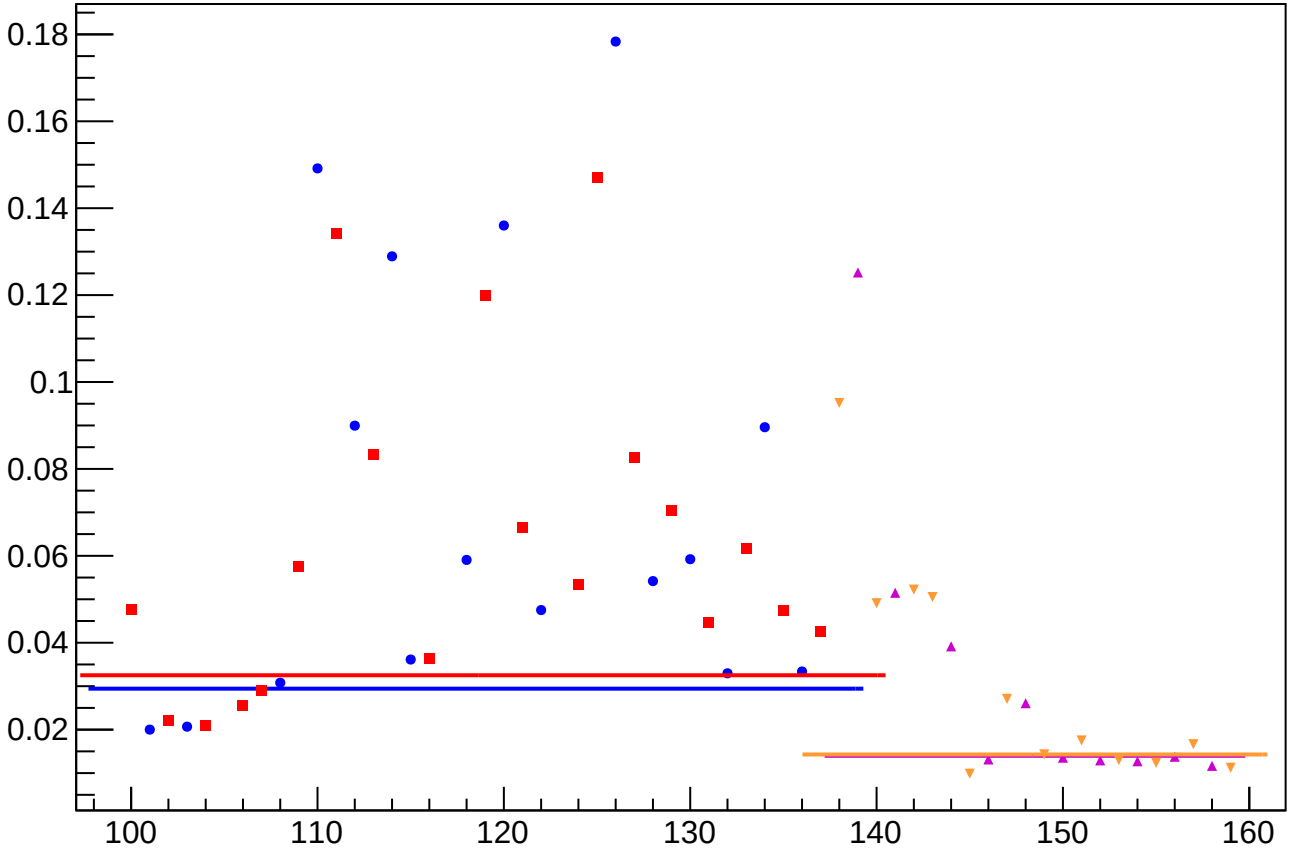
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.086+/-0.000 χ^2/NDF:249177654676.6/25

Out: -0.773+/-0.000 χ^2/NDF:98032812527.4/30

All: -0.337+/-0.000 χ^2/NDF: 360238427142.3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:2905642.9/11

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.014+/-0.000 χ^2/NDF:2519657.3/9

Left: 0.014+/-0.000 χ^2/NDF: 5428218.2/21

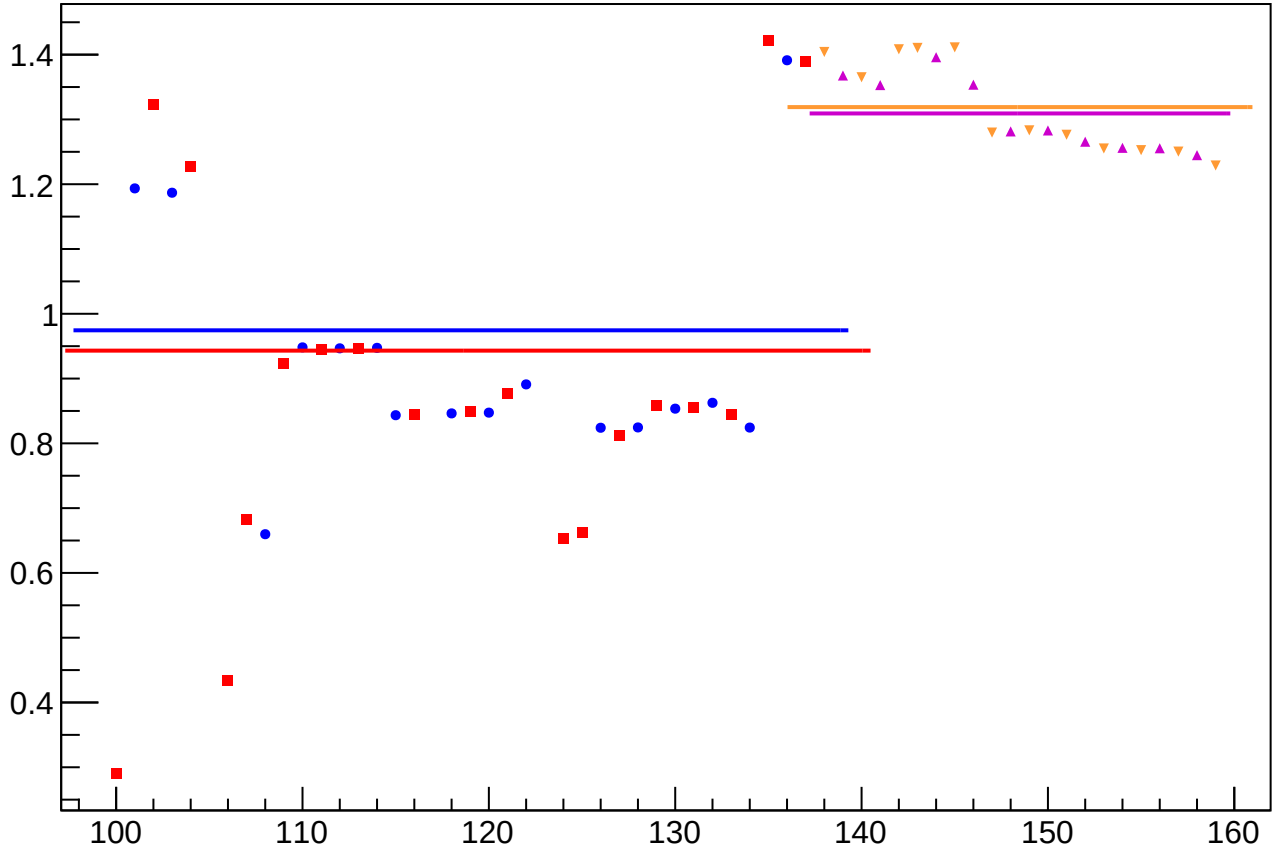
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.016+/-0.000 χ^2/NDF:7503411.0/25

Out: 0.016+/-0.000 χ^2/NDF:8524224.4/30

All: 0.016+/-0.000 χ^2/NDF: 16036834.9/56

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.319+/-0.000 χ^2/NDF:224005530.6/11

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.309+/-0.000 χ^2/NDF:119904057.8/9

Left: 1.314+/-0.000 χ^2/NDF: 346061466.9/21

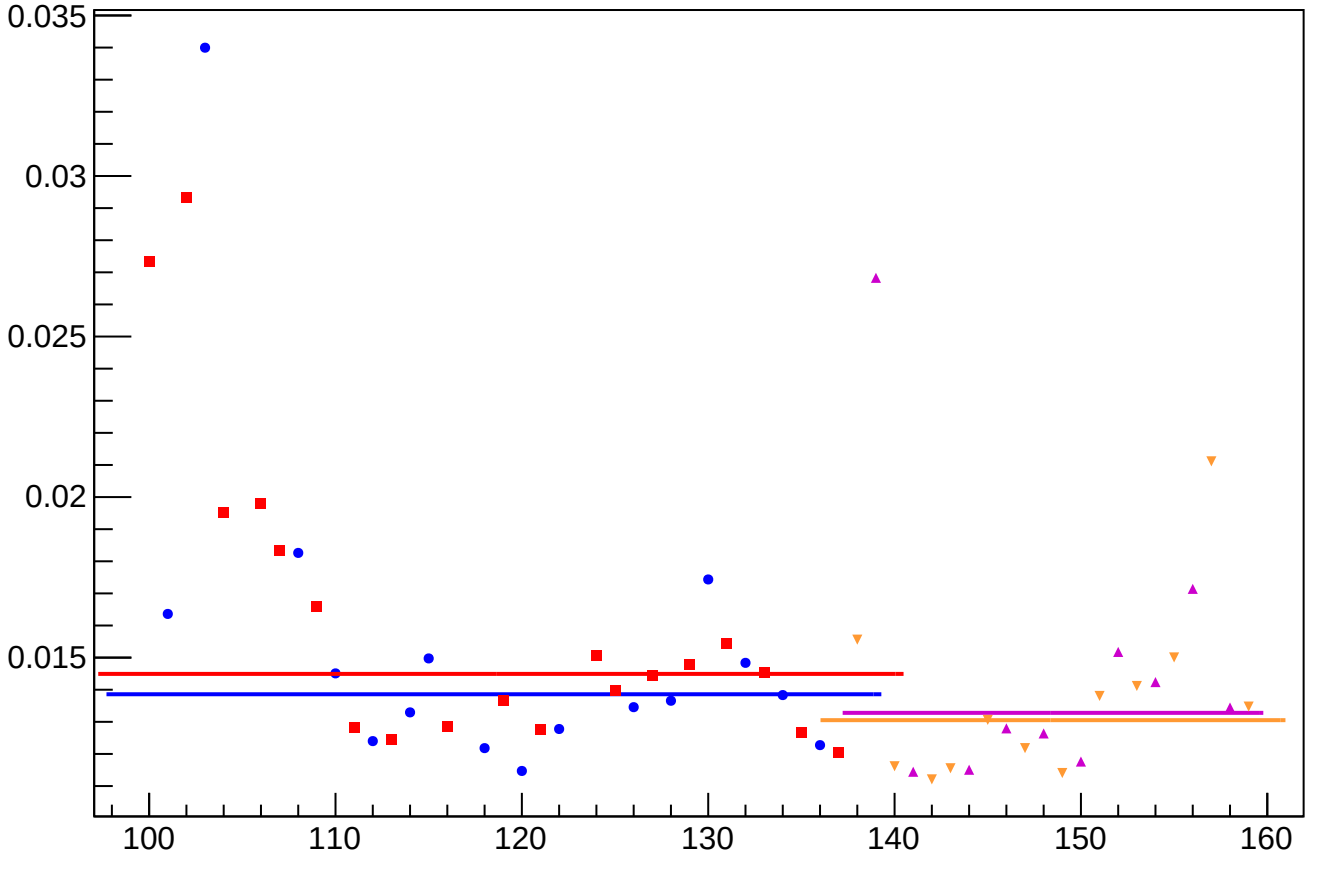
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.164+/-0.000 χ^2/NDF:3636612908.2/25

Out: 1.172+/-0.000 χ^2/NDF:4517695490.2/30

All: 1.168+/-0.000 χ^2/NDF: 8156334139.8/56

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:364669.7/11

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:625948.4/9

Left: 0.013+/-0.000 χ^2/NDF: 992946.9/21

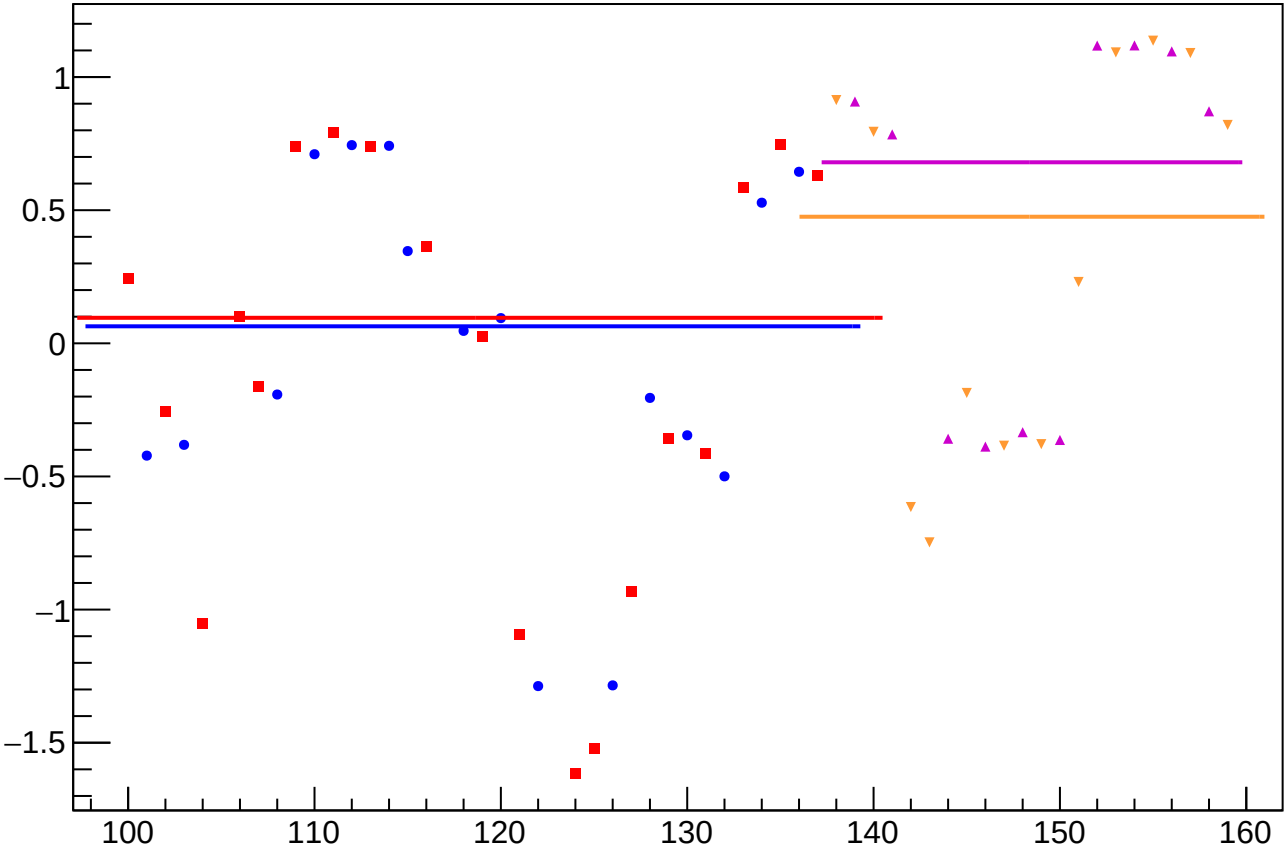
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1238246.6/25

Out: 0.014+/-0.000 χ^2/NDF:986105.8/30

All: 0.014+/-0.000 χ^2/NDF: 2224919.5/56

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.475+/-0.000 χ^2/NDF:25750487034.3/11

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.680+/-0.000 χ^2/NDF:17274051672.2/9

Left: 0.577+/-0.000 χ^2/NDF: 44314610776.8/21

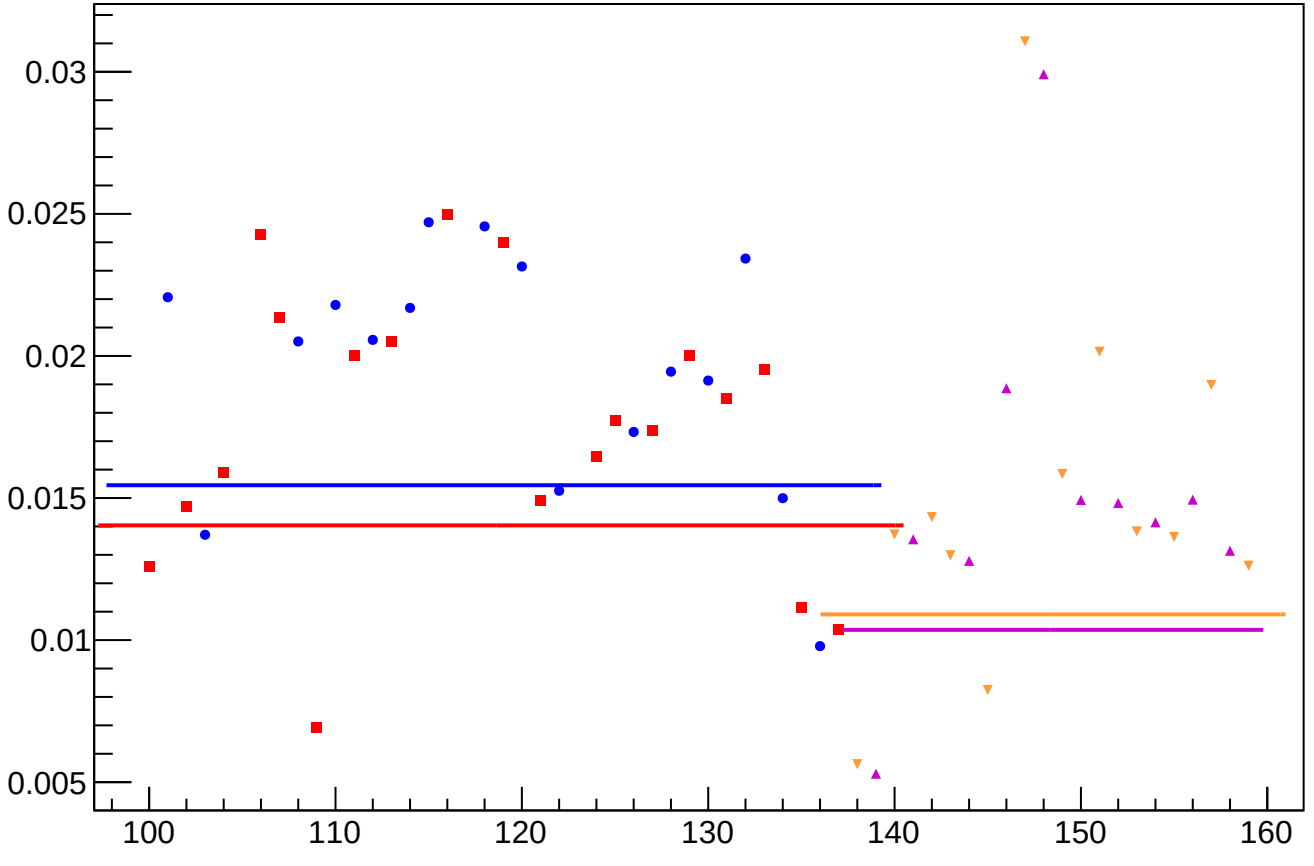
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.501+/-0.000 χ^2/NDF:35088616363.5/25

Out: 0.352+/-0.000 χ^2/NDF:46434912341.4/30

All: 0.424+/-0.000 χ^2/NDF: 82516616203.3/5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2959052.5/11

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.010+/-0.000 χ^2/NDF:3253741.4/9

Left: 0.011+/-0.000 χ^2/NDF: 6231033.6/21

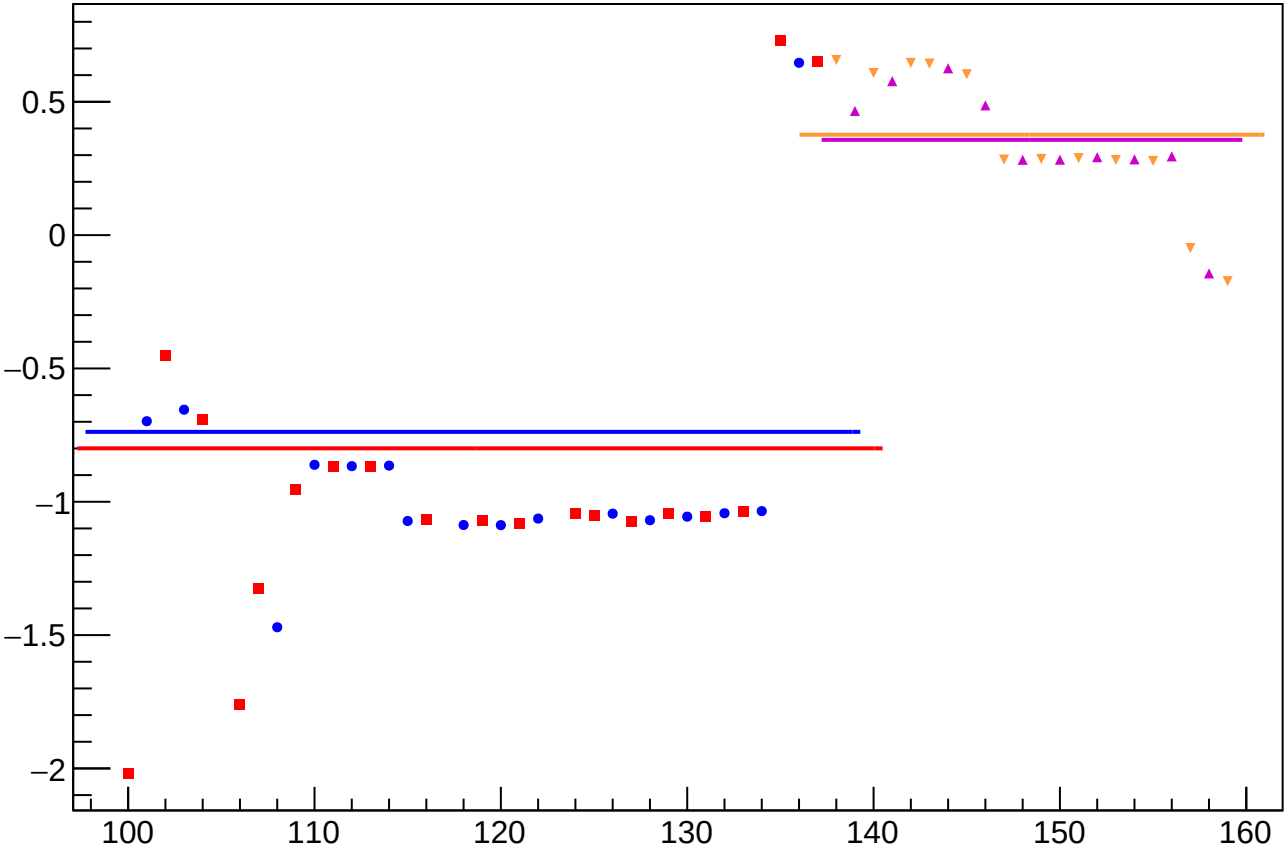
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5472918.0/25

Out: 0.012+/-0.000 χ^2/NDF:5040597.5/30

All: 0.012+/-0.000 χ^2/NDF: 10514180.4/56

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.377+/-0.000 χ^2/NDF:452347059.6/11

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.357+/-0.000 χ^2/NDF:300453898.4/9

Left: 0.367+/-0.000 χ^2/NDF: 754063716.5/21

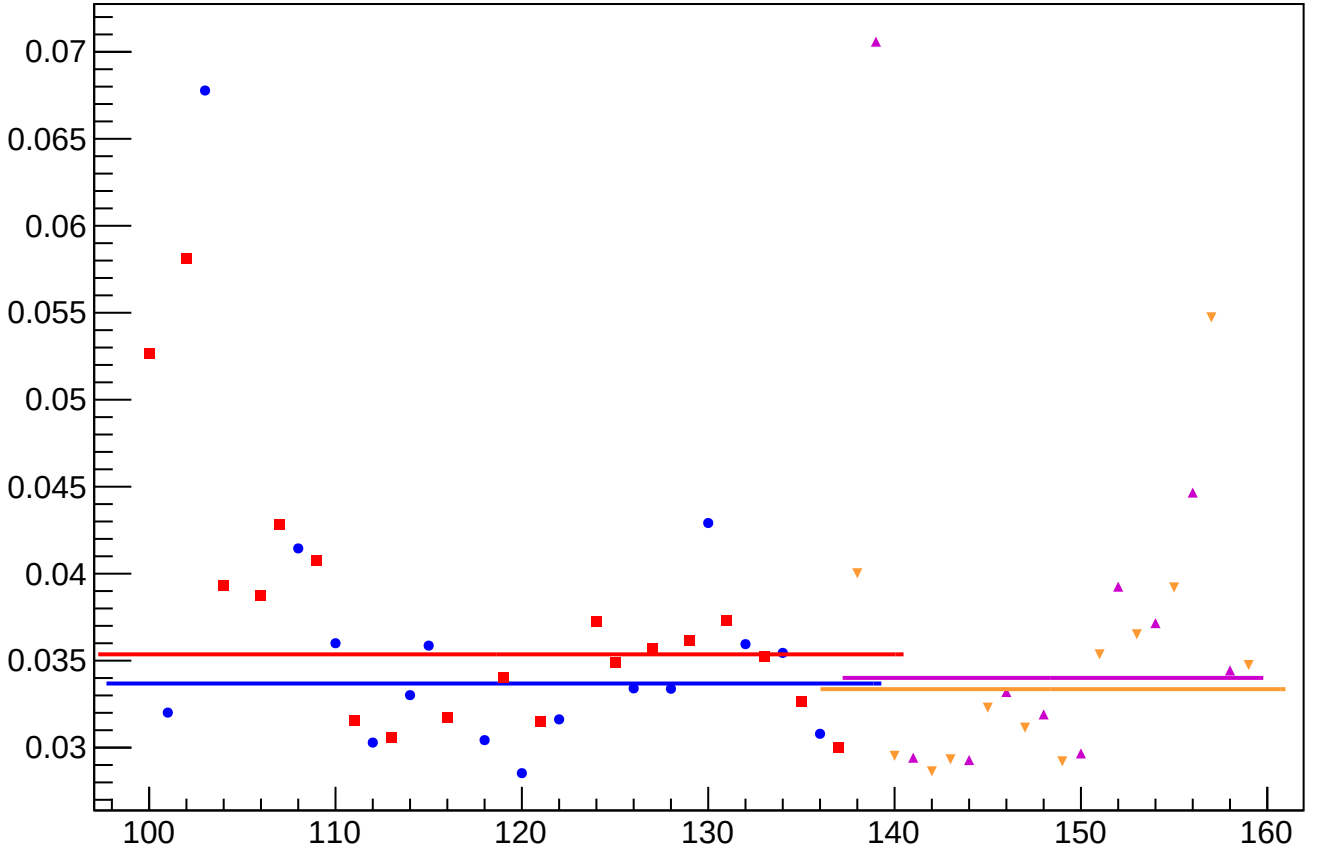
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.150+/-0.000 χ^2/NDF:5945825121.2/25

Out: -0.115+/-0.000 χ^2/NDF:6497953071.4/30

All: -0.133+/-0.000 χ^2/NDF: 12451224385.9/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:391157.5/11

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:672964.4/9

Left: 0.034+/-0.000 χ^2/NDF: 1066966.1/21

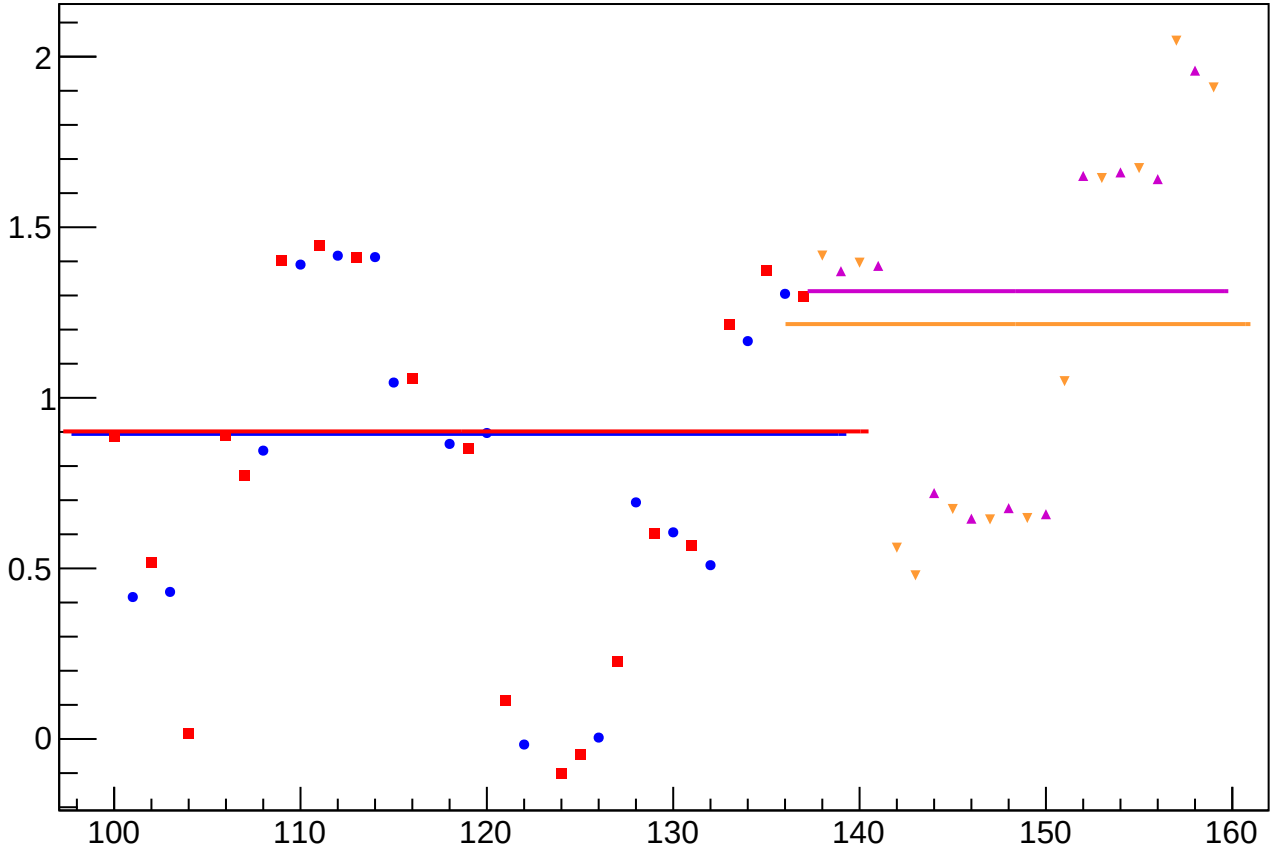
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1093813.4/25

Out: 0.034+/-0.000 χ^2/NDF:711608.4/30

All: 0.034+/-0.000 χ^2/NDF: 1806825.2/56

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.216+/-0.000 χ^2/NDF:28556794598.7/11

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.313+/-0.000 χ^2/NDF:18597363228.2/9

Left: 1.262+/-0.000 χ^2/NDF: 47607269511.2/21

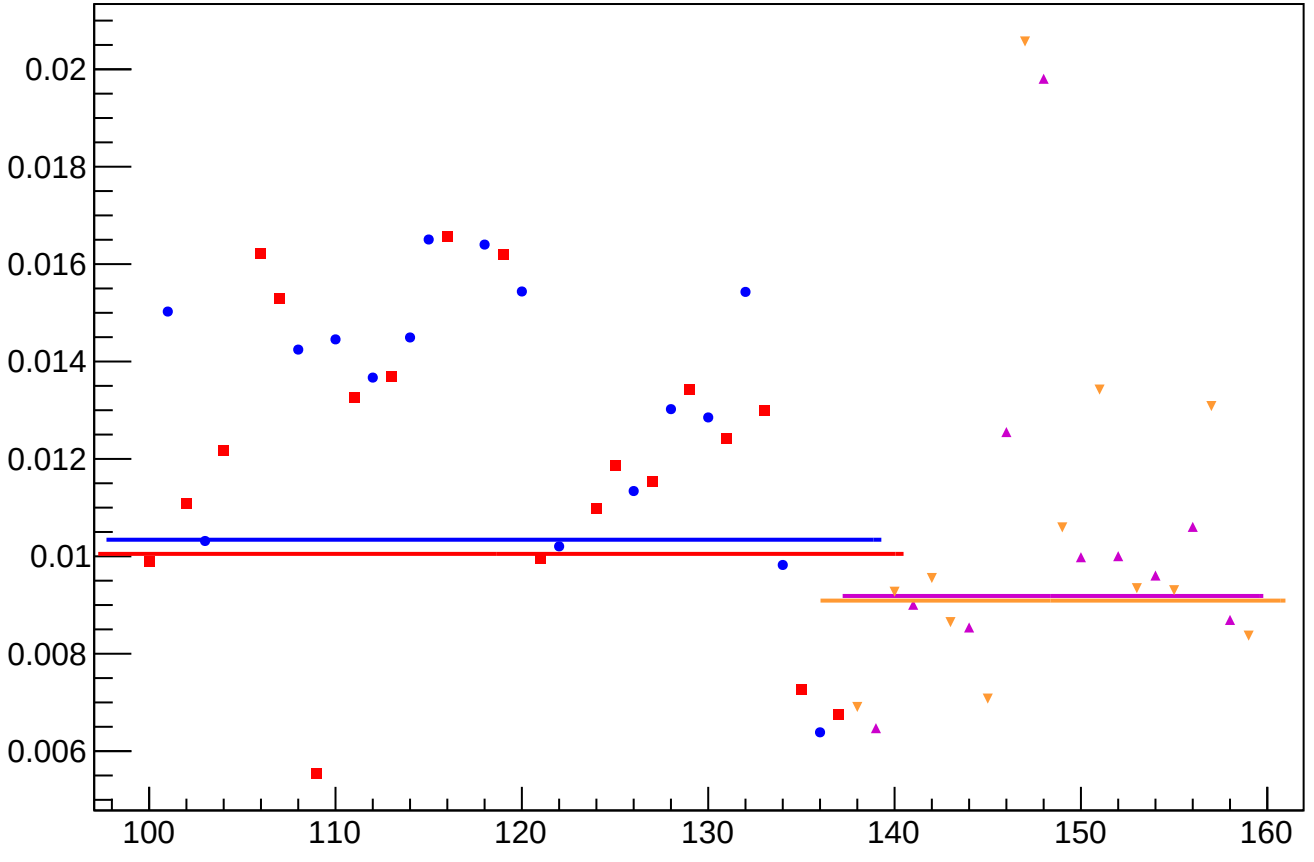
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.155+/-0.000 χ^2/NDF:37437004881.1/25

Out: 1.100+/-0.000 χ^2/NDF:50209440974.4/30

All: 1.126+/-0.000 χ^2/NDF: 87885586006.1/5

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:1119799.8/11

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:909632.6/9

Left: 0.009+/-0.000 χ^2/NDF: 2030317.5/21

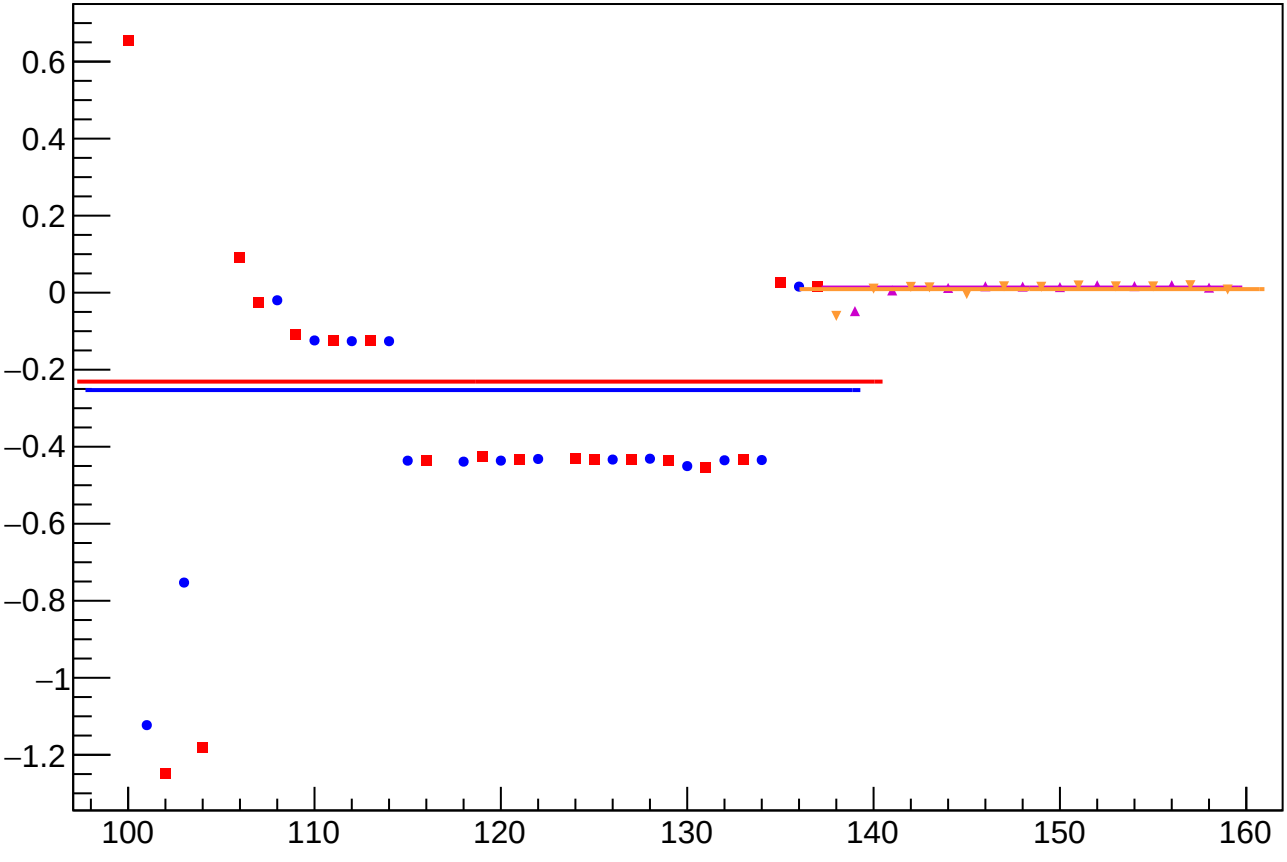
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2352865.9/25

Out: 0.009+/-0.000 χ^2/NDF:2526577.1/30

All: 0.010+/-0.000 χ^2/NDF: 4884189.4/56

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:21656344.1/11

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.013+/-0.000 χ^2/NDF:5600887.0/9

Left: 0.011+/-0.000 χ^2/NDF: 27883836.7/21

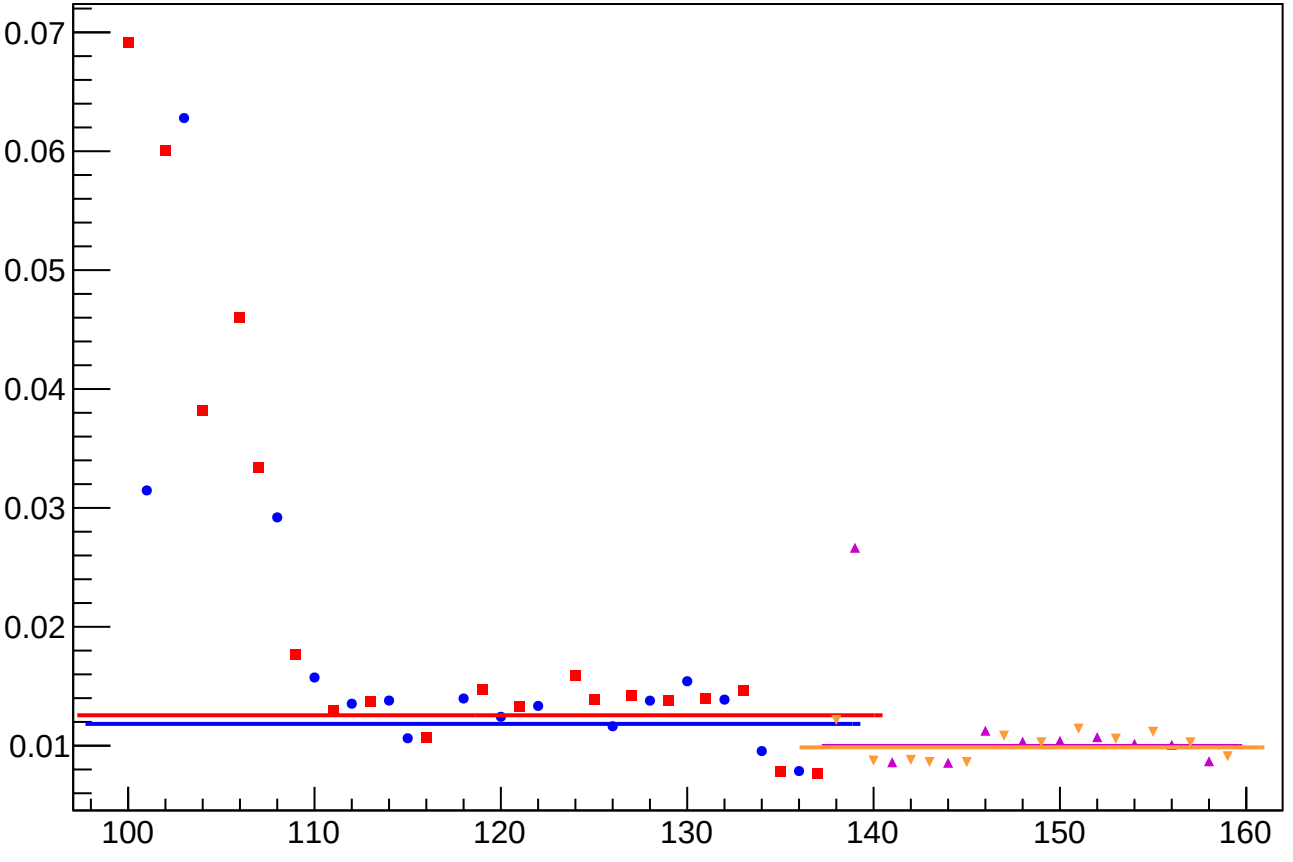
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.076+/-0.000 χ^2/NDF:3700303617.6/25

Out: -0.059+/-0.000 χ^2/NDF:3137942082.4/30

All: -0.068+/-0.000 χ^2/NDF: 6853701925.3/5

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:200882.3/11

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:787912.1/9

Left: 0.010+/-0.000 χ^2/NDF: 989795.6/21

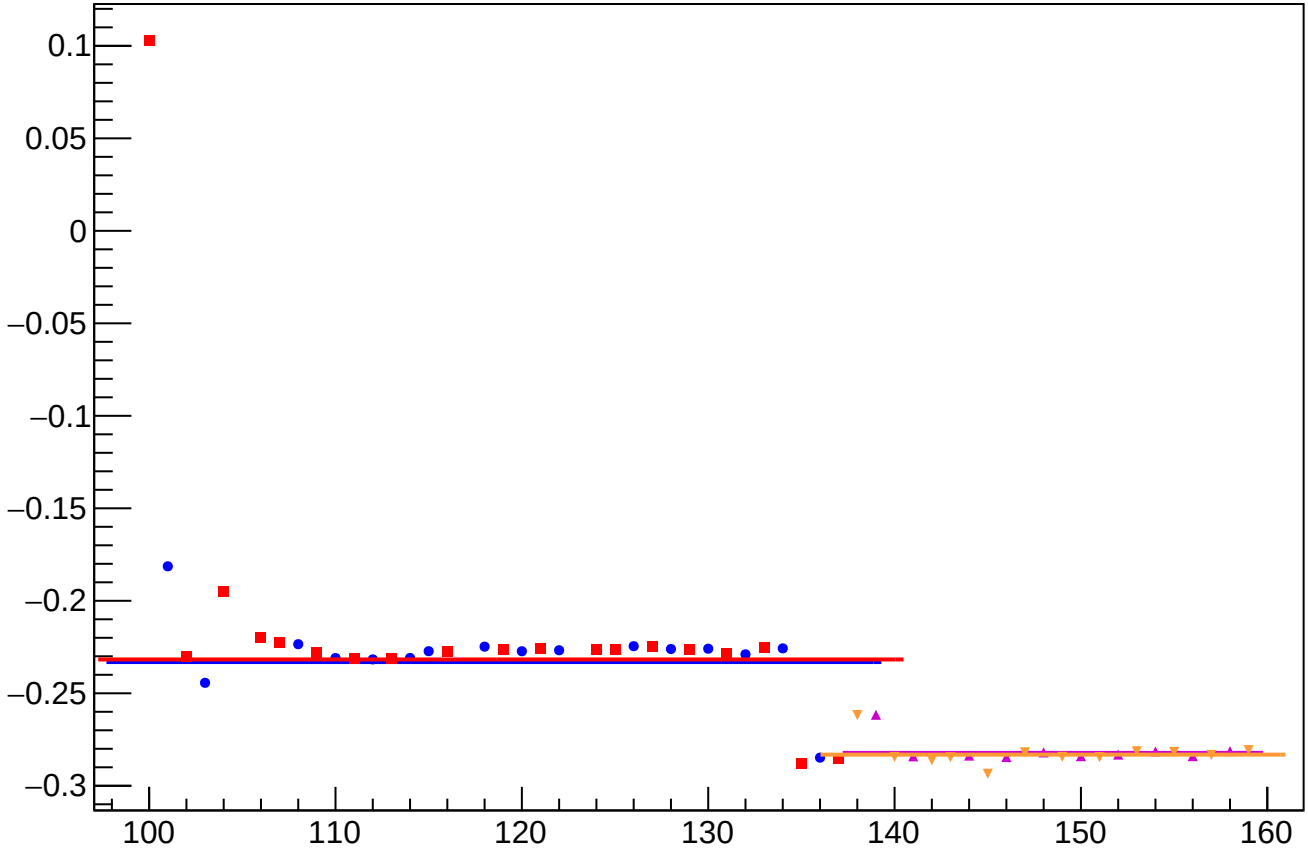
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2892871.2/25

Out: 0.011+/-0.000 χ^2/NDF:2748543.2/30

All: 0.011+/-0.000 χ^2/NDF: 5641512.1/56

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14972467.7/11

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6267272.2/9

Left: -0.283+/-0.000 χ^2/NDF: 21387497.2/21

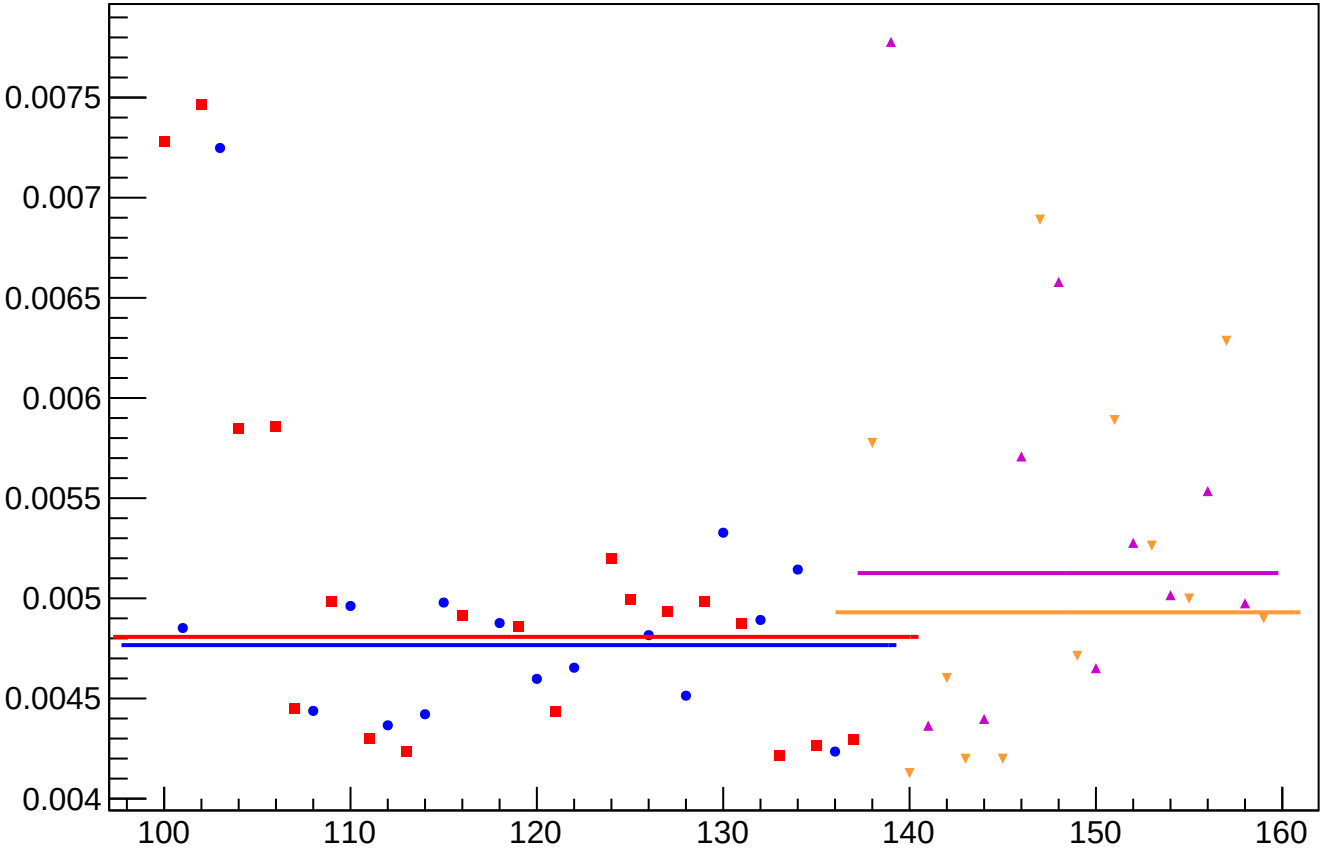
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.259+/-0.000 χ^2/NDF:559479819.9/25

Out: -0.260+/-0.000 χ^2/NDF:724944994.8/30

All: -0.259+/-0.000 χ^2/NDF: 1285107501.5/5

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:428693.8/11

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:405183.2/9

Left: 0.005+/-0.000 χ^2/NDF: 846460.4/21

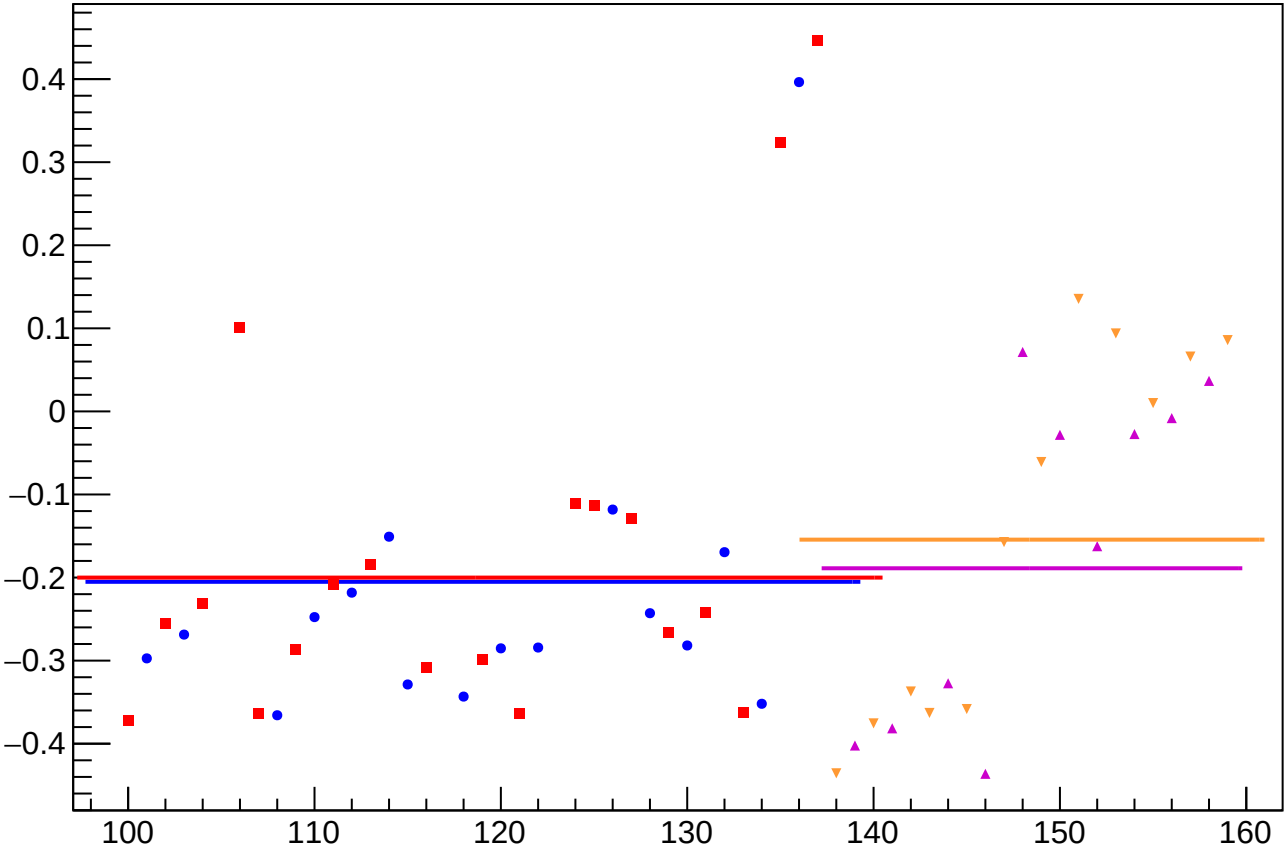
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:634926.9/25

Out: 0.005+/-0.000 χ^2/NDF:727227.9/30

All: 0.005+/-0.000 χ^2/NDF: 1365863.0/56

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.154+/-0.000 χ^2/NDF:13502054954.9/11

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.189+/-0.000 χ^2/NDF:8518550677.5/9

Left: -0.170+/-0.000 χ^2/NDF: 22178904359.8/21

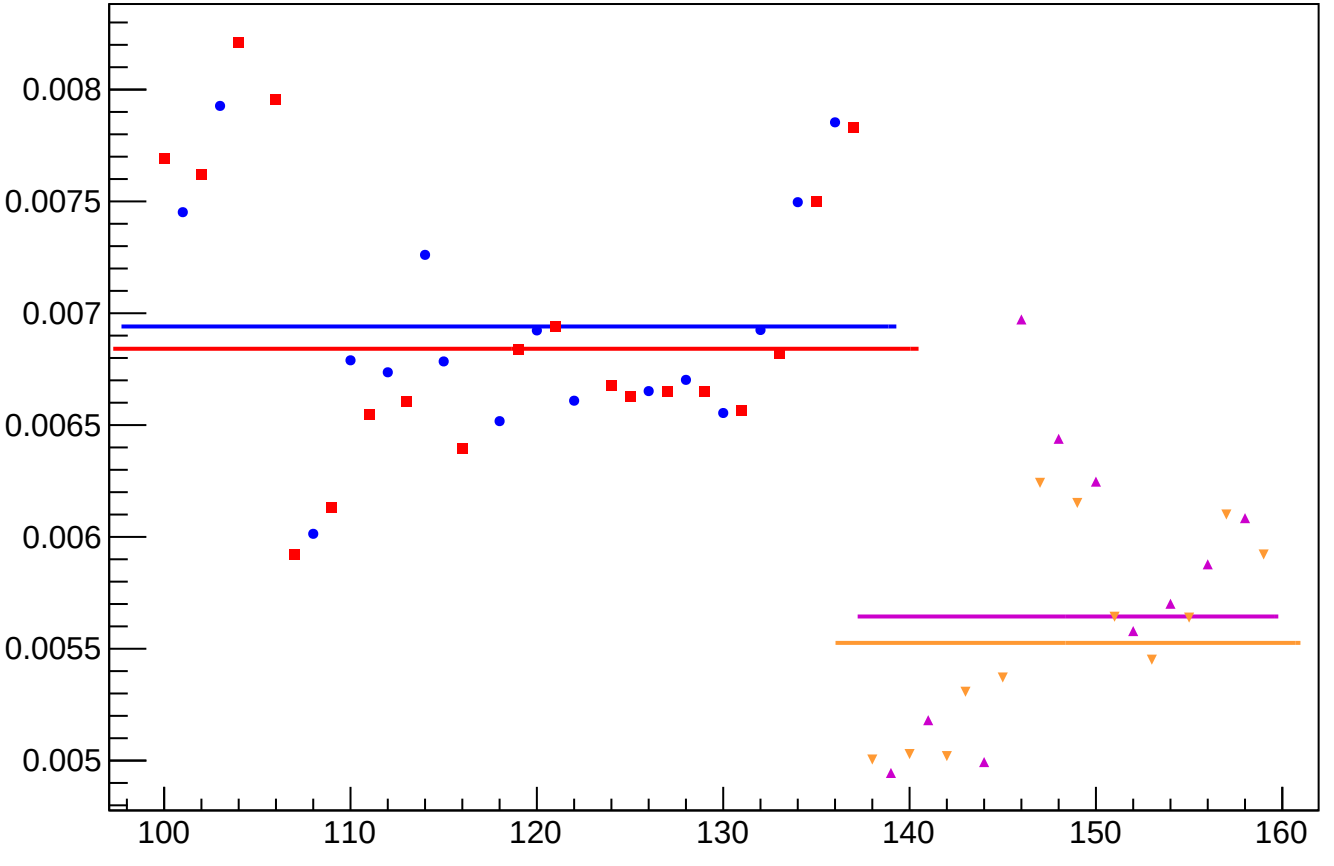
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.195+/-0.000 χ^2/NDF:14732183242.4/25

Out: -0.170+/-0.000 χ^2/NDF:18961552809.2/30

All: -0.182+/-0.000 χ^2/NDF: 33819514902.1/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:101185.7/11

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:175472.2/9

Left: 0.006+/-0.000 χ^2/NDF: 280368.4/21

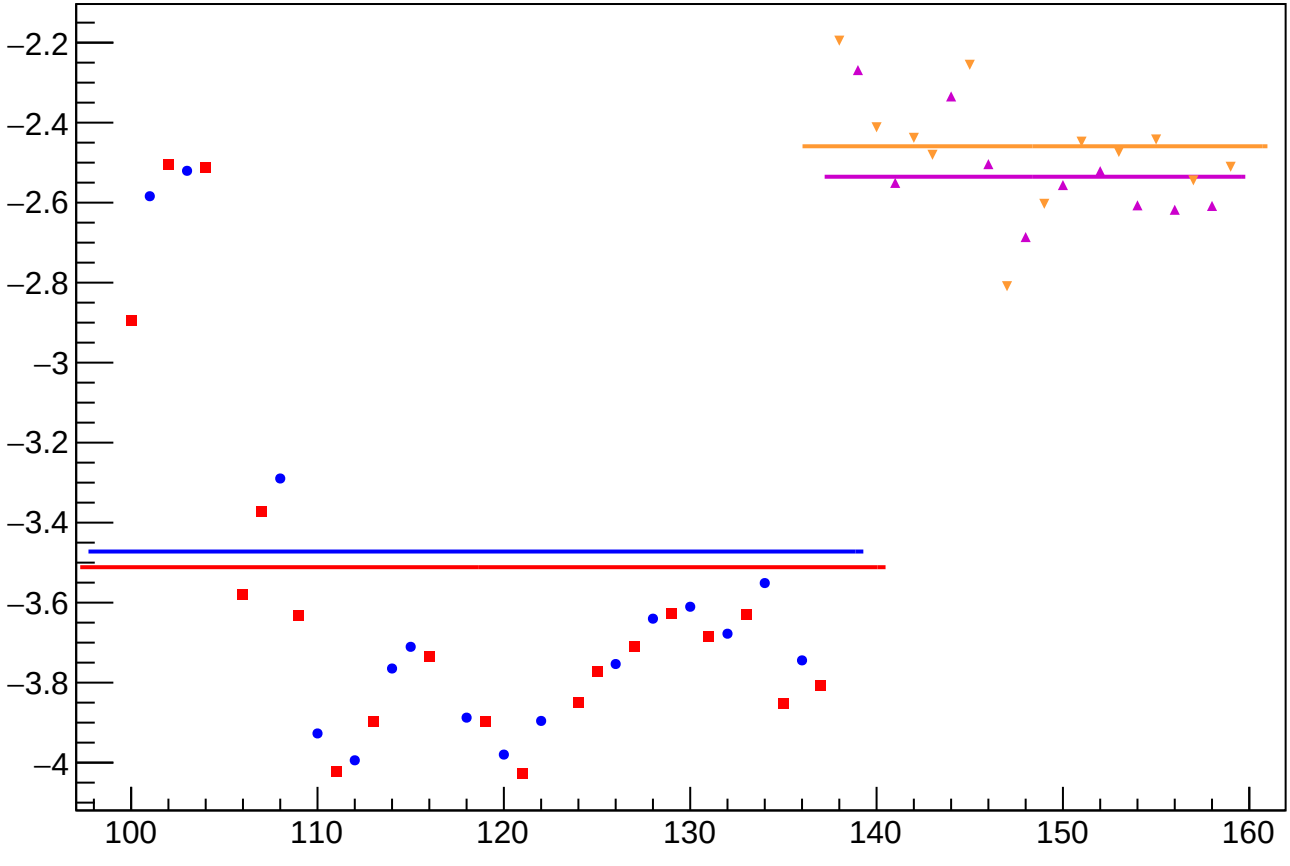
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:569673.5/25

Out: 0.006+/-0.000 χ^2/NDF:548200.1/30

All: 0.006+/-0.000 χ^2/NDF: 1126032.2/56

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.459+/-0.000 χ^2/NDF:1570963178.4/11

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.535+/-0.000 χ^2/NDF:1272814656.0/9

Left: -2.494+/-0.000 χ^2/NDF: 3141605100.4/21

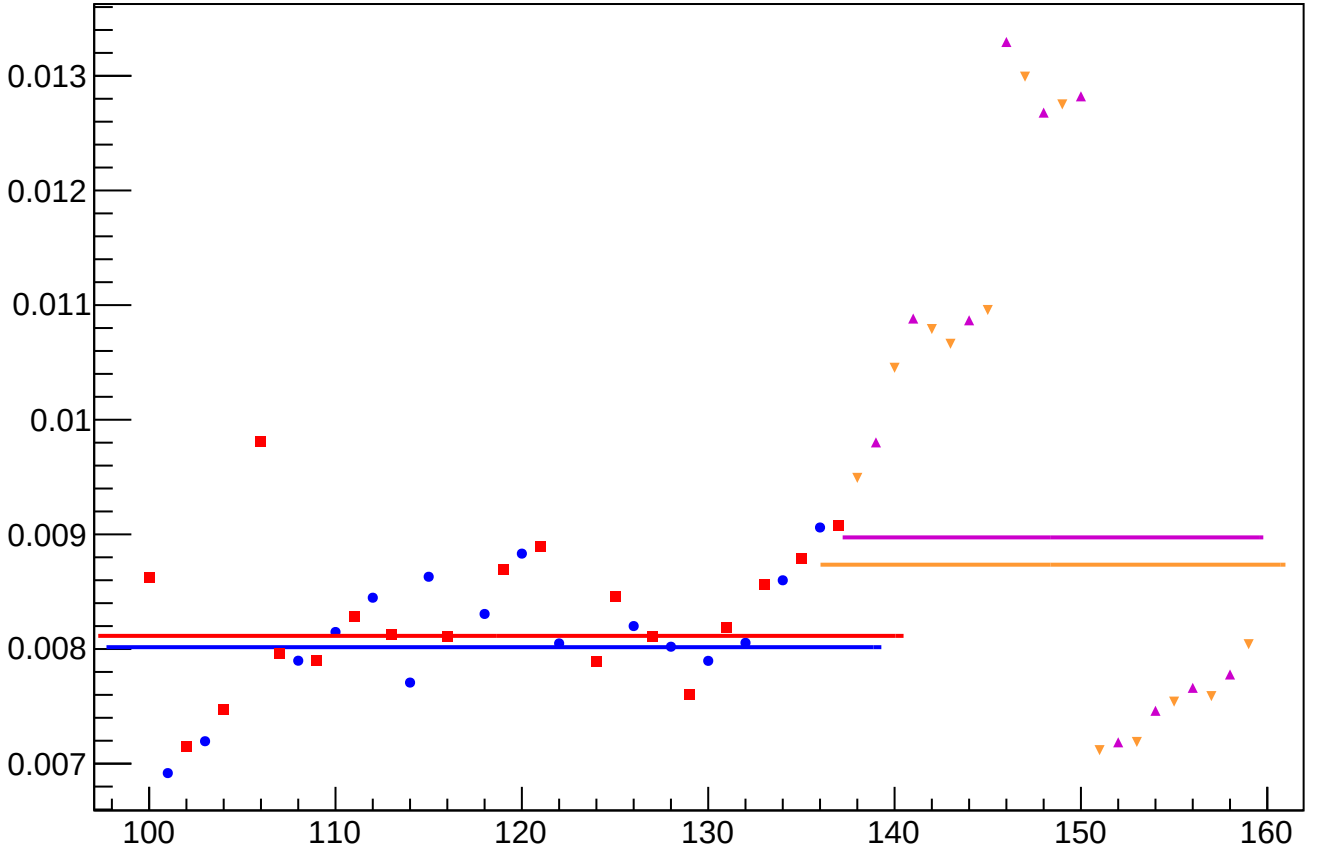
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.034+/-0.000 χ^2/NDF:75474335583.8/25

Out: -2.978+/-0.000 χ^2/NDF:91985657996.5/30

All: -3.005+/-0.000 χ^2/NDF: 167801484498.1

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:715010.9/11

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:781603.1/9

Left: 0.009+/-0.000 χ^2/NDF: 1502437.0/21

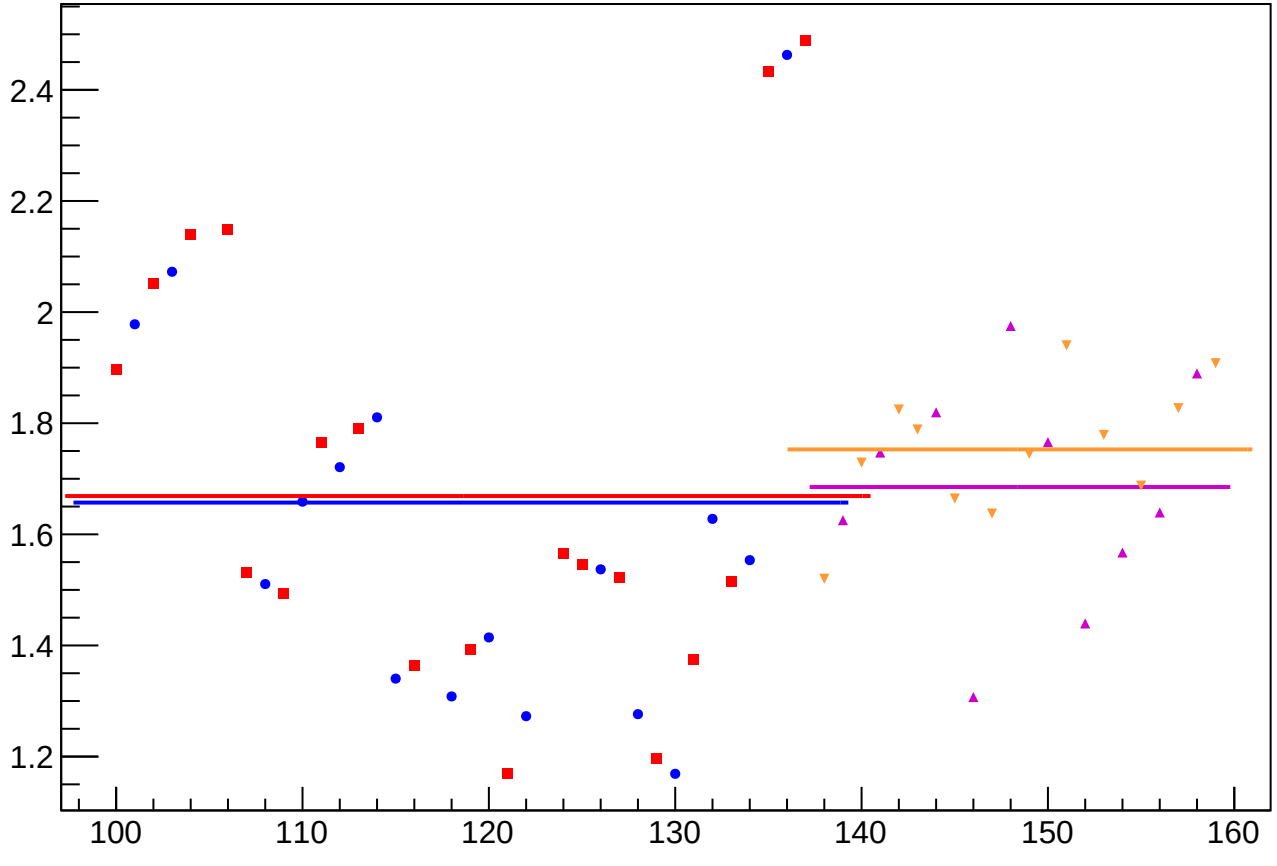
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:961029.7/25

Out: 0.008+/-0.000 χ^2/NDF:828347.2/30

All: 0.008+/-0.000 χ^2/NDF: 1789619.8/56

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.753+/-0.000 χ^2/NDF:911447855.5/11

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.685+/-0.000 χ^2/NDF:1811735897.8/9

Left: 1.722+/-0.000 χ^2/NDF: 2864196645.5/21

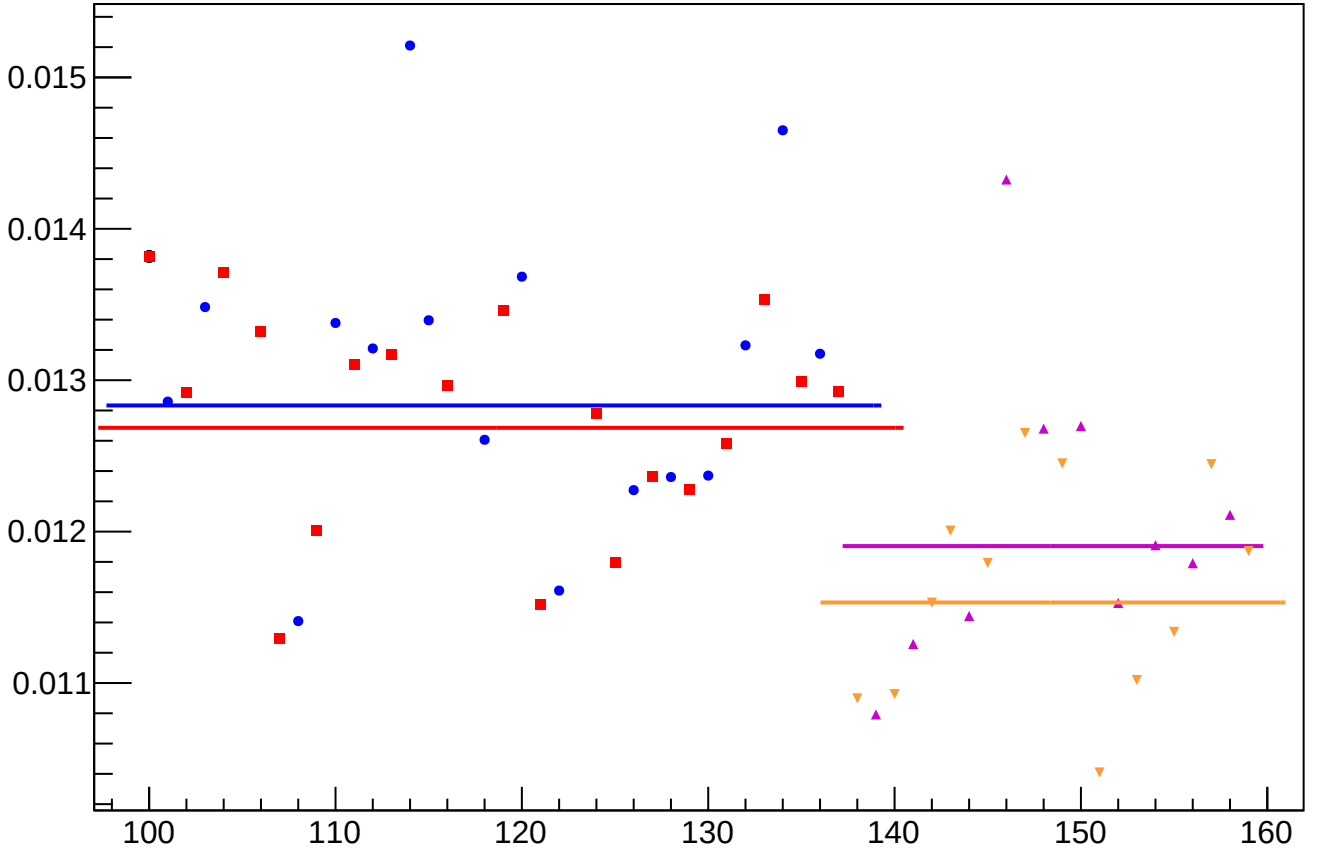
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.673+/-0.000 χ^2/NDF:8496937123.8/25

Out: 1.719+/-0.000 χ^2/NDF:7458286875.3/30

All: 1.698+/-0.000 χ^2/NDF: 16067088070.8/5

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:64246.5/11

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:85085.1/9

Left: 0.012+/-0.000 χ^2/NDF: 157873.7/21

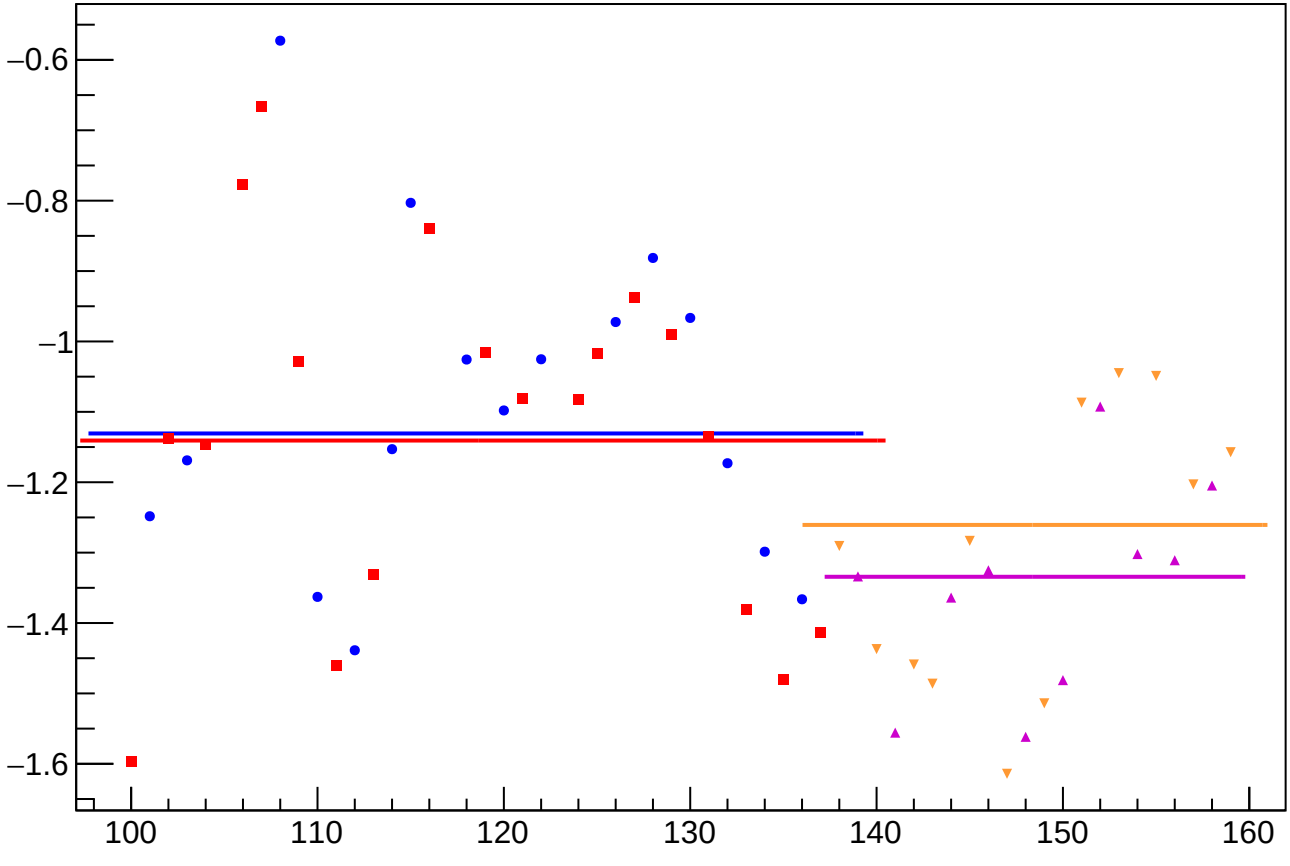
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:179606.1/25

Out: 0.012+/-0.000 χ^2/NDF:179087.2/30

All: 0.012+/-0.000 χ^2/NDF: 368731.4/56

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.261+/-0.000 χ^2/NDF:4047238181.7/11

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.334+/-0.000 χ^2/NDF:2004721449.3/9

Left: -1.294+/-0.000 χ^2/NDF: 6356703784.8/21

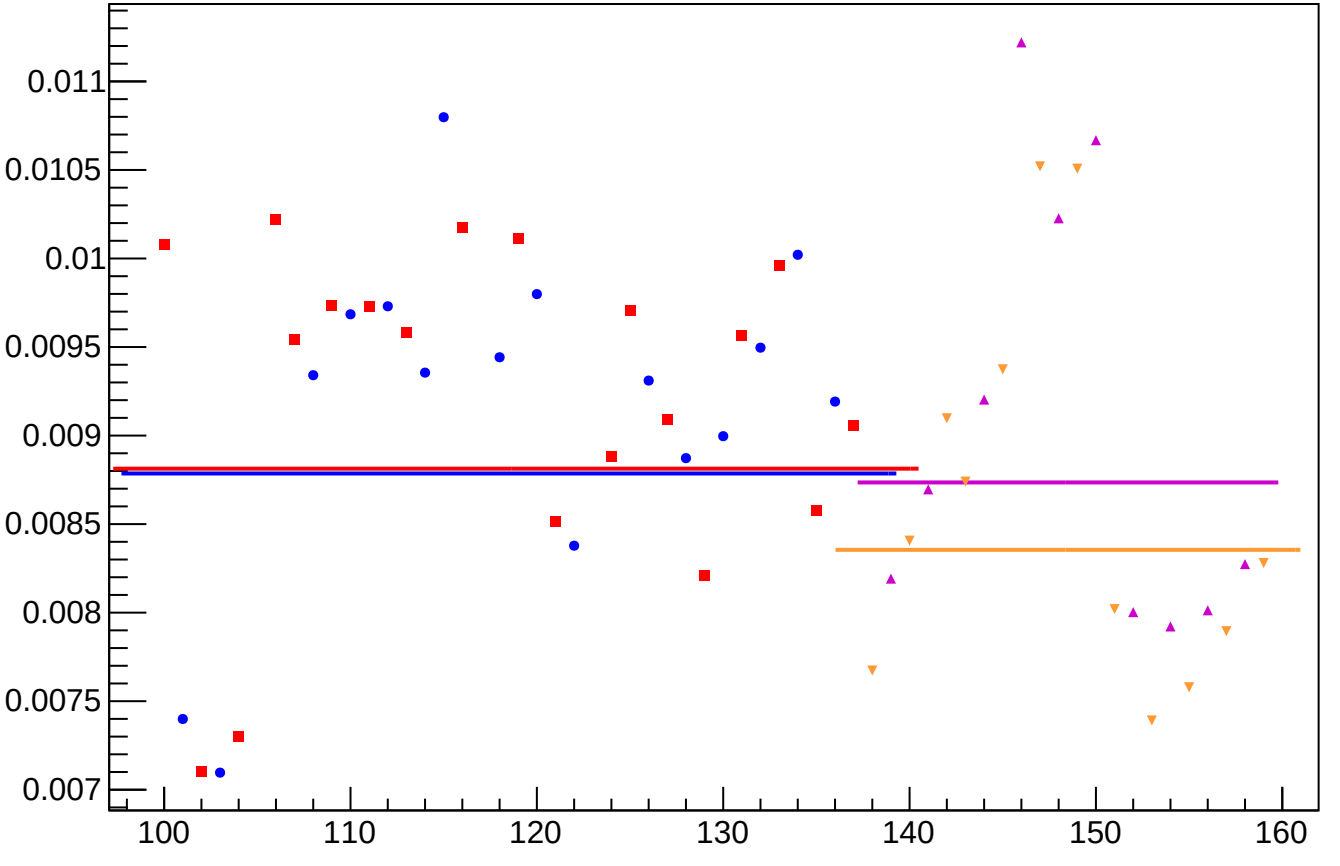
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.240+/-0.000 χ^2/NDF:7771429353.6/25

Out: -1.210+/-0.000 χ^2/NDF:8335596746.8/30

All: -1.224+/-0.000 χ^2/NDF: 16197089834.3/

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:204711.0/11

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:209355.2/9

Left: 0.009+/-0.000 χ^2/NDF: 430333.1/21

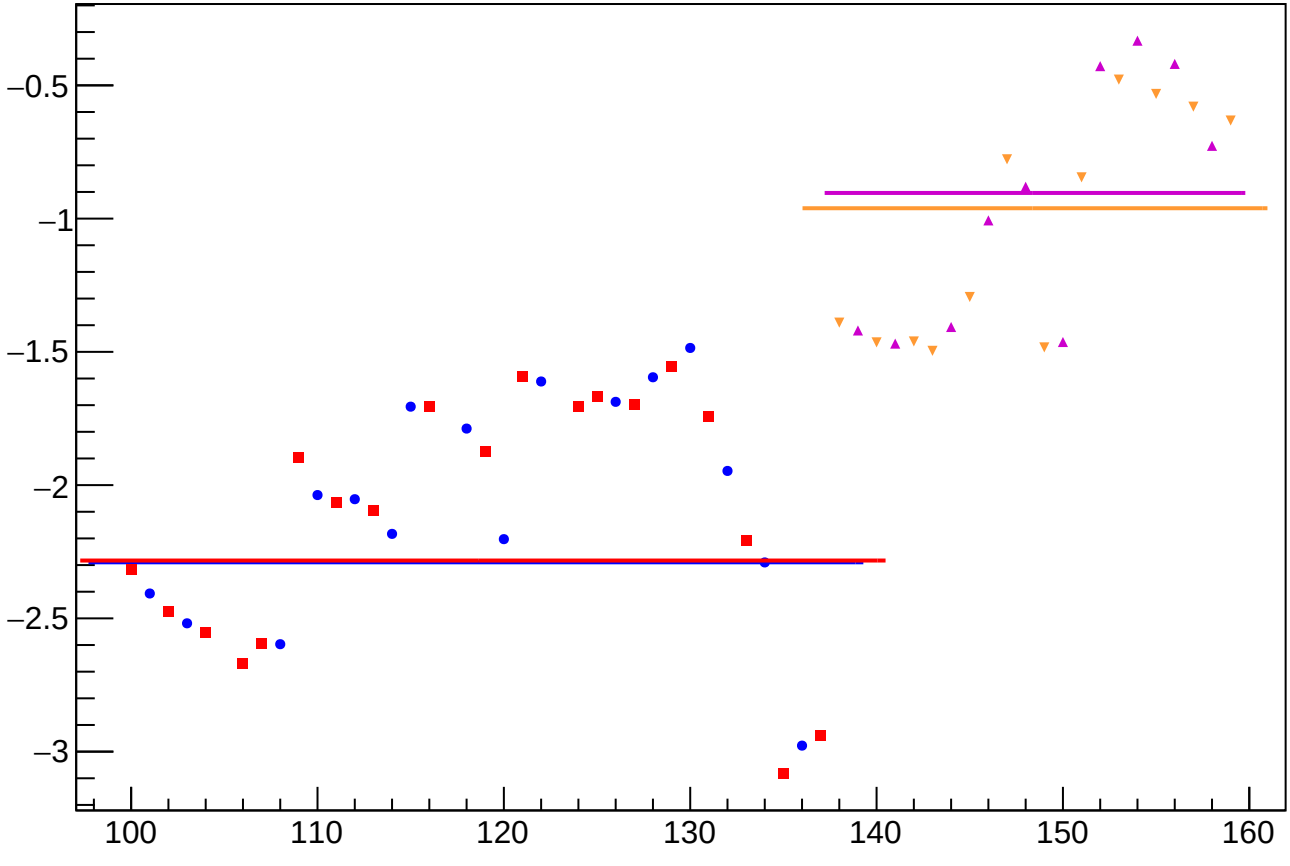
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:383076.8/25

Out: 0.009+/-0.000 χ^2/NDF:430926.4/30

All: 0.009+/-0.000 χ^2/NDF: 823013.7/56

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.961+/-0.000 χ^2/NDF:21348583584.0/11

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.904+/-0.000 χ^2/NDF:23182666449.6/9

Left: -0.934+/-0.000 χ^2/NDF: 44738770173.1/21

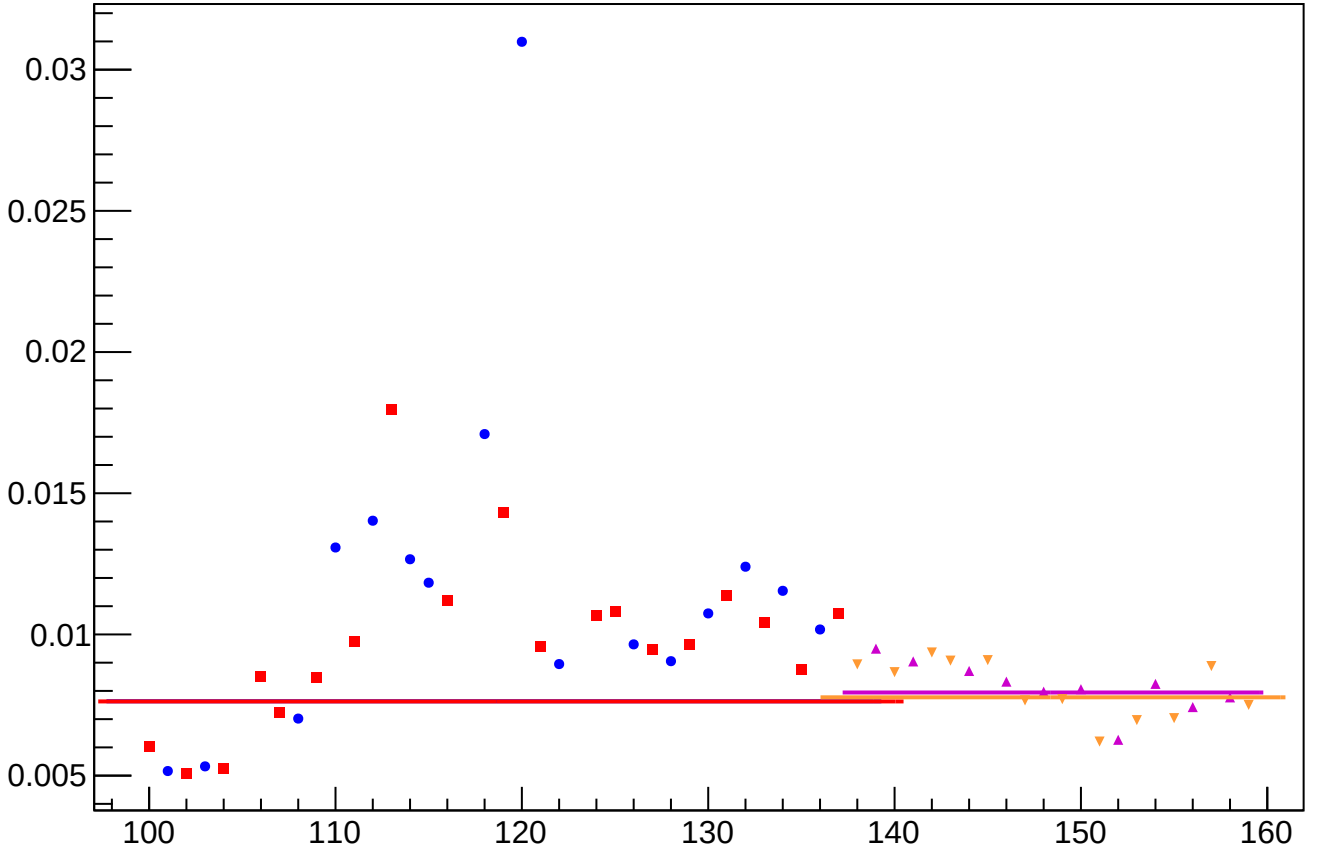
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.490+/-0.000 χ^2/NDF:135125019974.1/25

Out: -1.511+/-0.000 χ^2/NDF:135640107653.5/30

All: -1.501+/-0.000 χ^2/NDF: 270812152008.

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:268582.4/11

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200950.5/9

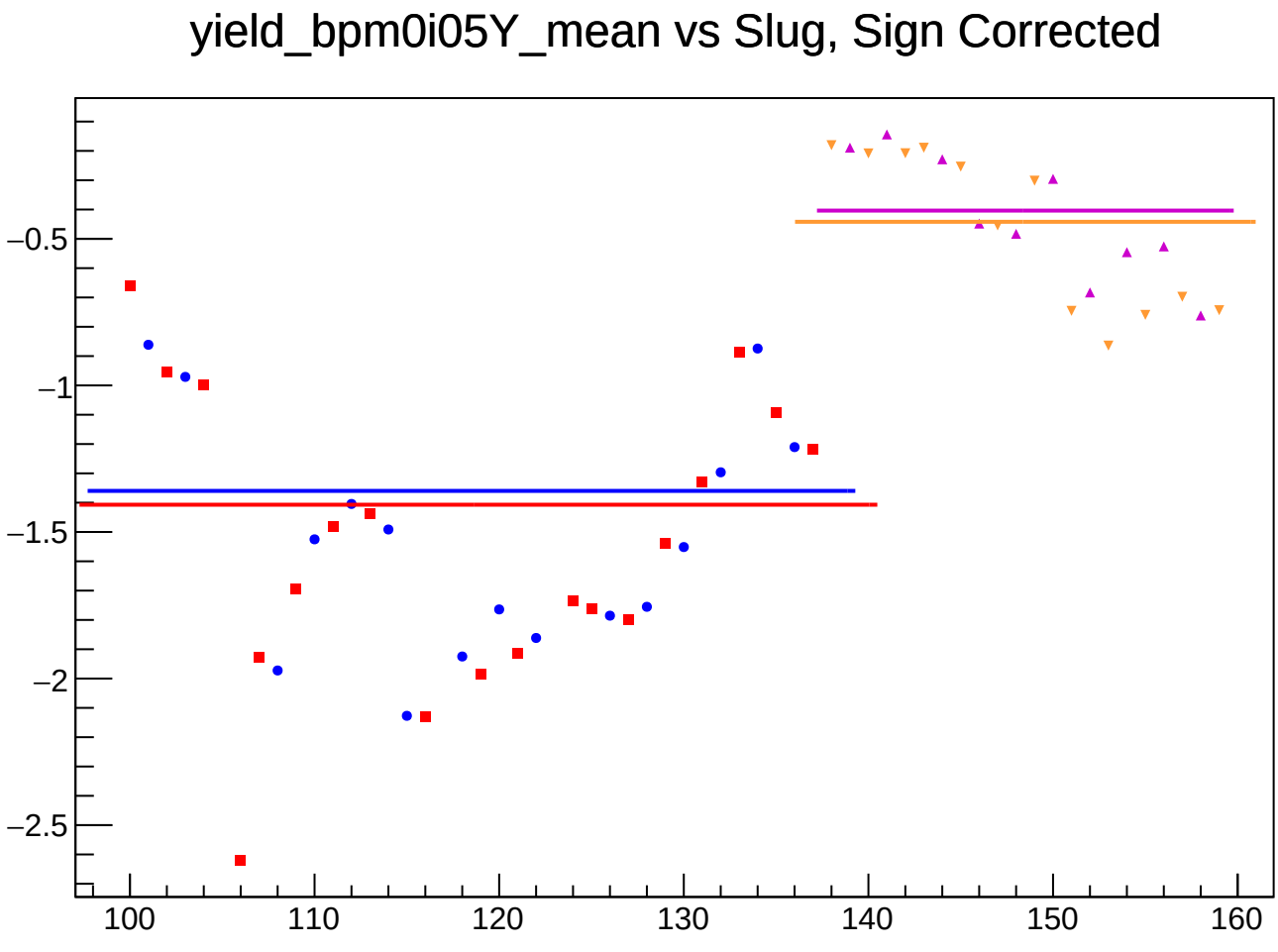
Left: 0.008+/-0.000 χ^2/NDF: 473227.6/21

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

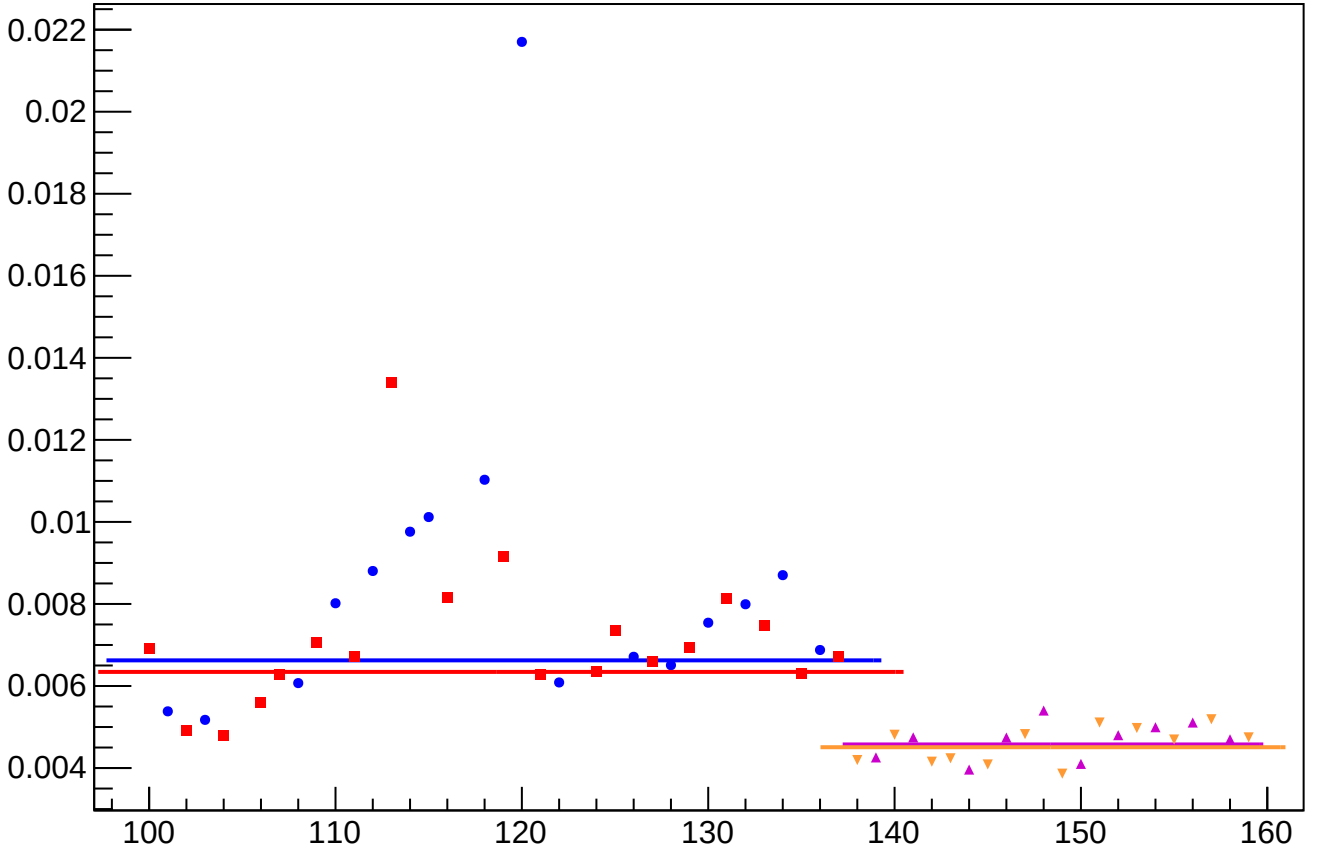
In: 0.008+/-0.000 χ^2/NDF:1921507.9/25

Out: 0.008+/-0.000 χ^2/NDF:1588674.9/30

All: 0.008+/-0.000 χ^2/NDF: 3512353.8/56


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.442+/-0.000 χ²/NDF:27396261473.3/11
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.404+/-0.000 χ²/NDF:15150349025.2/9
Left: -0.424+/-0.000 χ²/NDF: 42828351644.3/21
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.659+/-0.000 χ²/NDF:125064120454.0/25
Out: -0.702+/-0.000 χ²/NDF:160632605428.8/30
All: -0.682+/-0.000 χ²/NDF: 286199725664.1

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:150279.4/11

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:134122.1/9

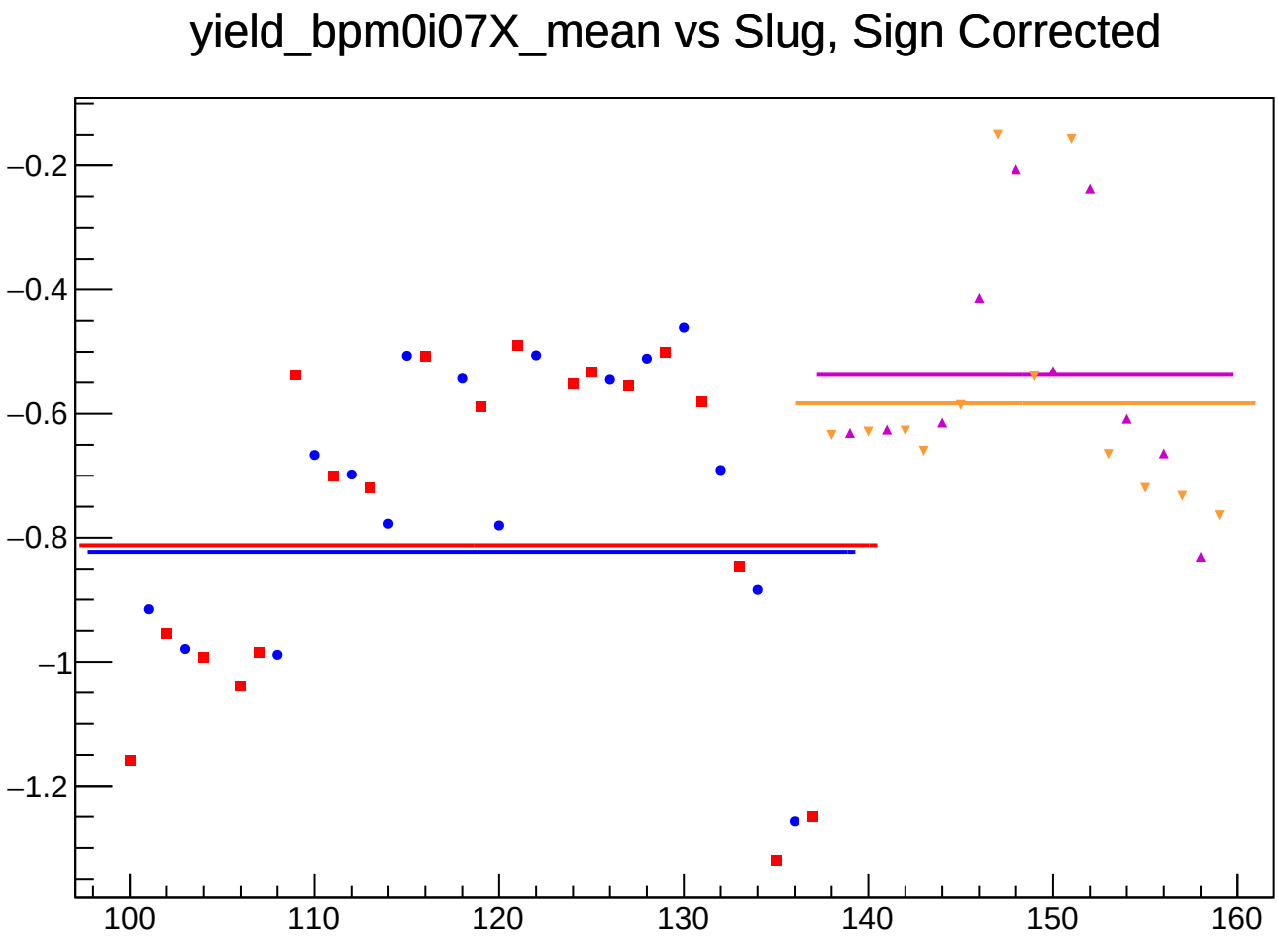
Left: 0.005+/-0.000 χ^2/NDF: 286161.7/21

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

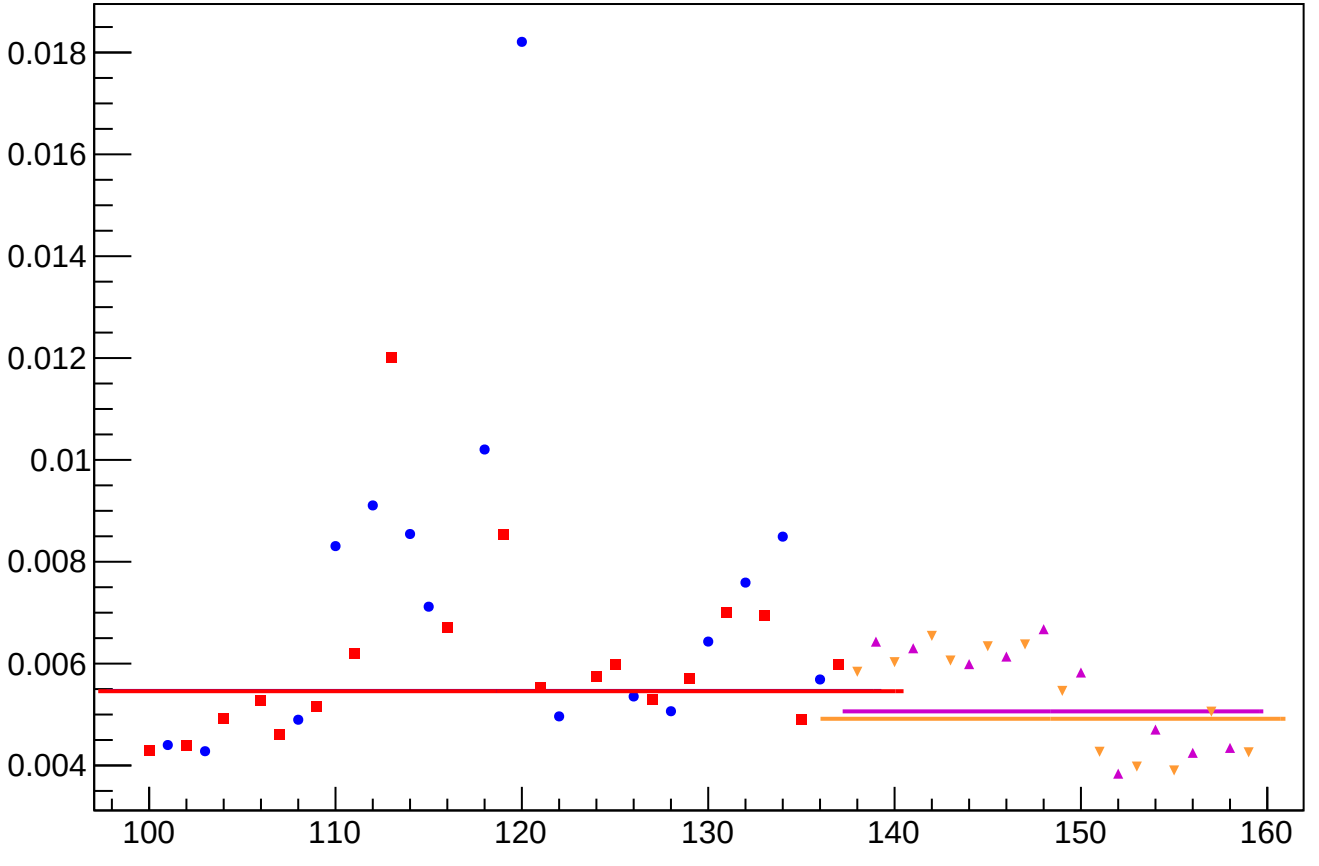
In: 0.005+/-0.000 χ^2/NDF:1640703.4/25

Out: 0.005+/-0.000 χ^2/NDF:1427963.9/30

All: 0.005+/-0.000 χ^2/NDF: 3076095.6/56


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.583+/-0.000 χ²/NDF:14026166320.4/11
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.537+/-0.000 χ²/NDF:11785908554.3/9
Left: -0.562+/-0.000 χ²/NDF: 26134233180.3/21
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.649+/-0.000 χ²/NDF:33190458990.1/25
Out: -0.670+/-0.000 χ²/NDF:35432437142.1/30
All: -0.660+/-0.000 χ²/NDF: 68735349686.6/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:596872.7/11

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:593613.5/9

Left: 0.005+/-0.000 χ^2/NDF: 1197000.7/21

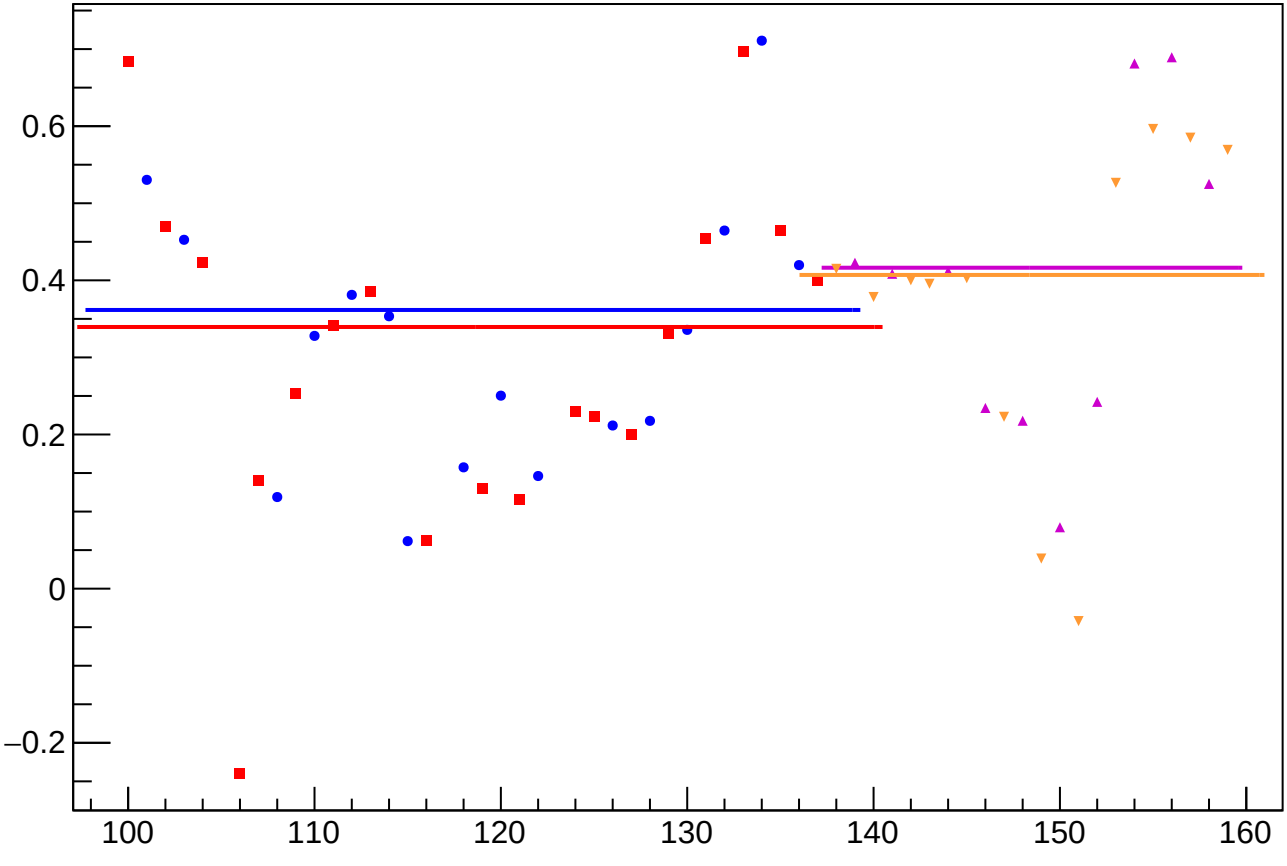
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1591382.1/25

Out: 0.005+/-0.000 χ^2/NDF:1178195.9/30

All: 0.005+/-0.000 χ^2/NDF: 2774265.4/56

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.407+/-0.000 χ^2/NDF:15998457698.8/11

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.416+/-0.000 χ^2/NDF:13393506521.9/9

Left: 0.411+/-0.000 χ^2/NDF: 29410774196.4/21

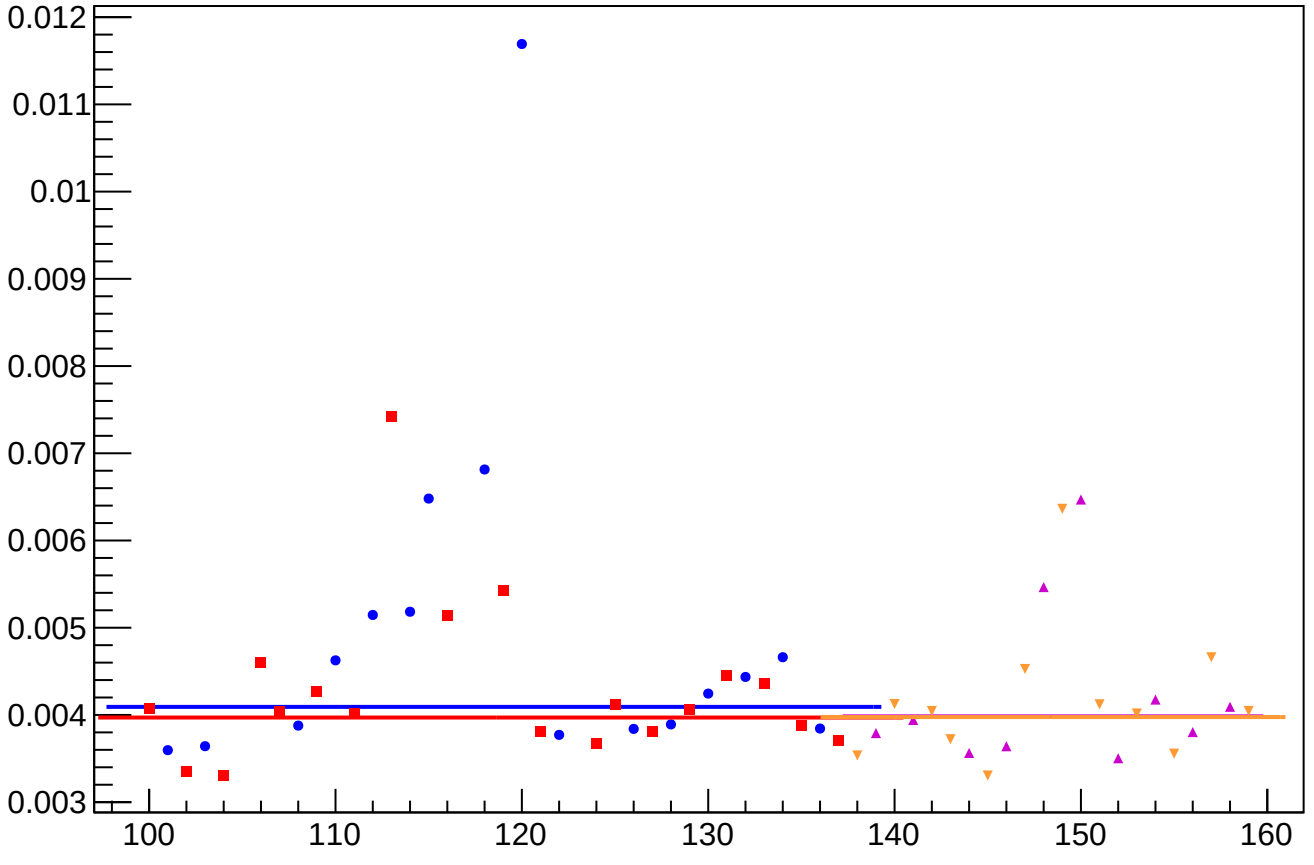
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.390+/-0.000 χ^2/NDF:22749184601.1/25

Out: 0.375+/-0.000 χ^2/NDF:29045287067.1/30

All: 0.382+/-0.000 χ^2/NDF: 51892156654.1/5

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:325449.7/11

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:364793.9/9

Left: 0.004+/-0.000 χ^2/NDF: 690273.8/21

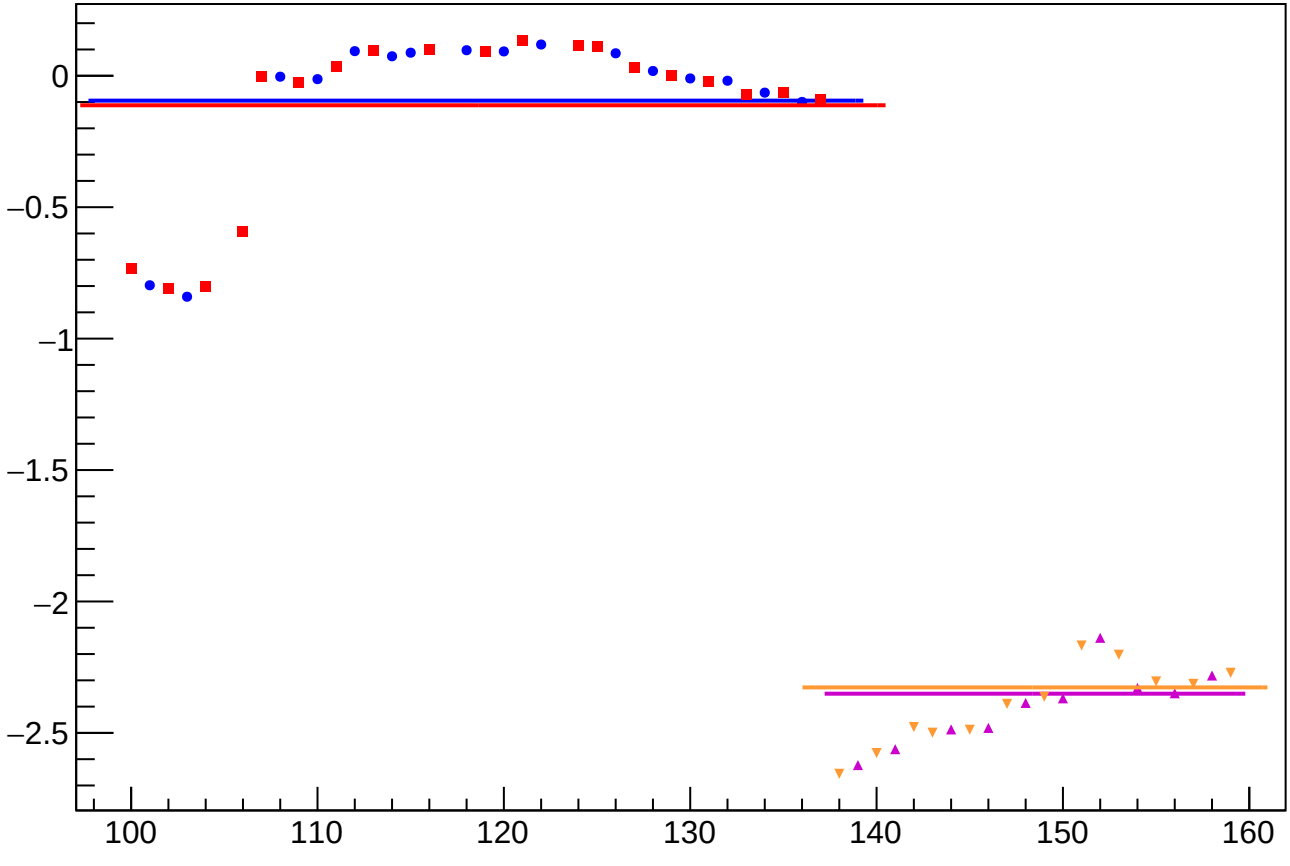
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:861091.0/25

Out: 0.004+/-0.000 χ^2/NDF:639162.2/30

All: 0.004+/-0.000 χ^2/NDF: 1503393.7/56

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.327+/-0.000 χ^2/NDF:1561312263.8/11

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.351+/-0.000 χ^2/NDF:1264564791.6/9

Left: -2.338+/-0.000 χ^2/NDF: 2846799685.1/21

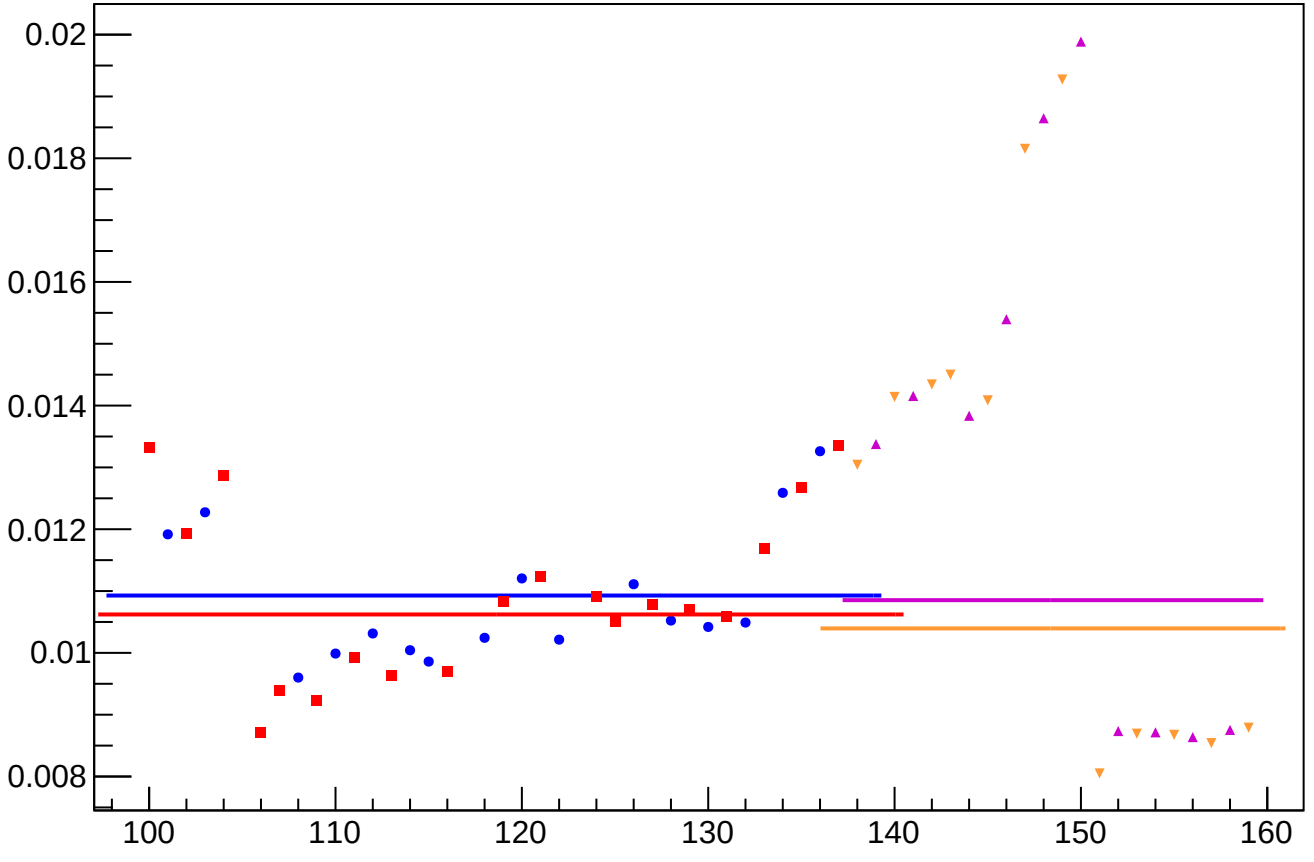
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.290+/-0.000 χ^2/NDF:167672806561.4/25

Out: -1.333+/-0.000 χ^2/NDF:184424773998.2/30

All: -1.313+/-0.000 χ^2/NDF: 352221457876.1

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1542101.7/11

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1468175.3/9

Left: 0.011+/-0.000 χ^2/NDF: 3025570.6/21

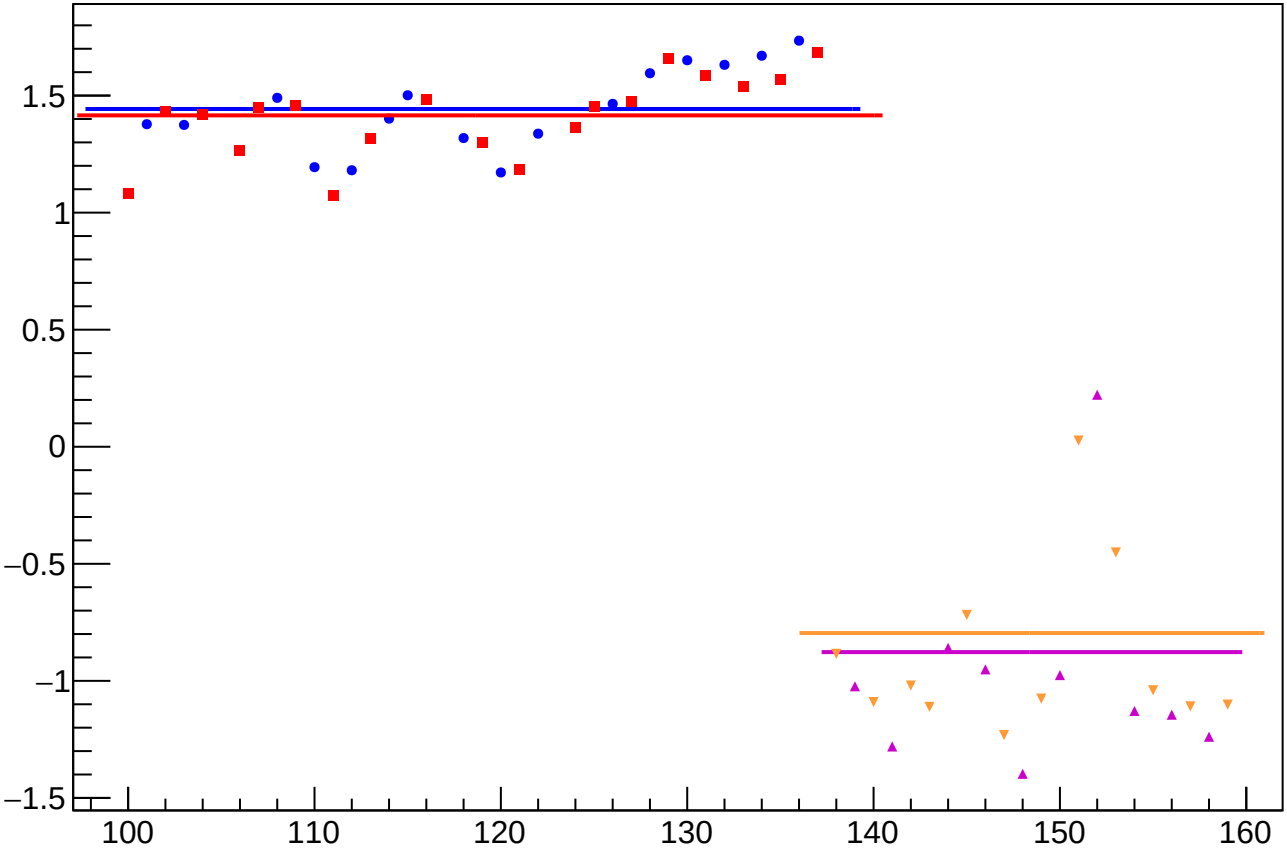
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1605007.9/25

Out: 0.010+/-0.000 χ^2/NDF:1736303.8/30

All: 0.011+/-0.000 χ^2/NDF: 3362039.0/56

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.796+/-0.000 χ^2/NDF:26393146582.0/11

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.877+/-0.000 χ^2/NDF:37231822211.2/9

Left: -0.834+/-0.000 χ^2/NDF: 64082124706.7/21

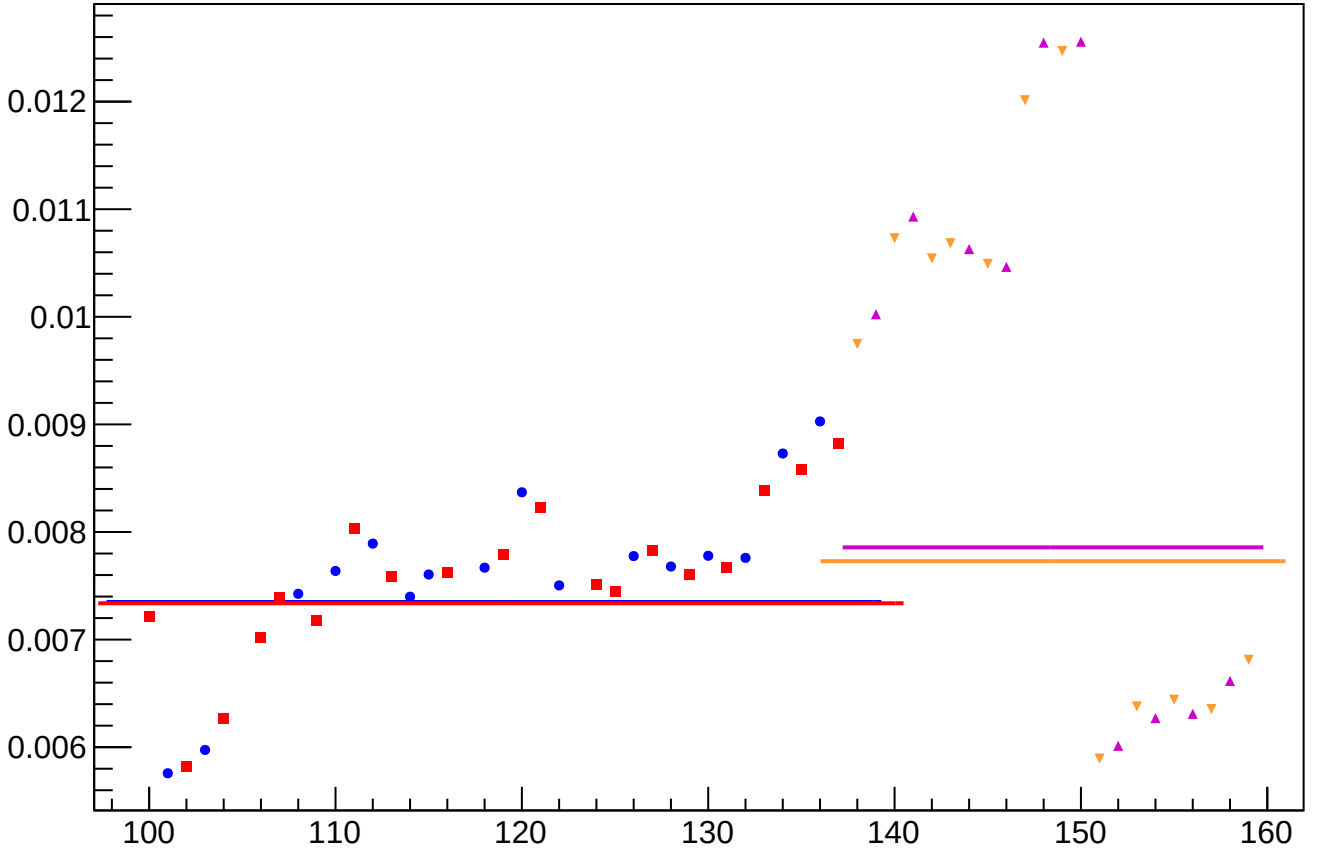
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.289+/-0.000 χ^2/NDF:391010896720.4/25

Out: 0.270+/-0.000 χ^2/NDF:375903391281.8/30

All: 0.279+/-0.000 χ^2/NDF: 766963685894.7

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1353844.6/11

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1368412.8/9

Left: 0.008+/-0.000 χ^2/NDF: 2724524.1/21

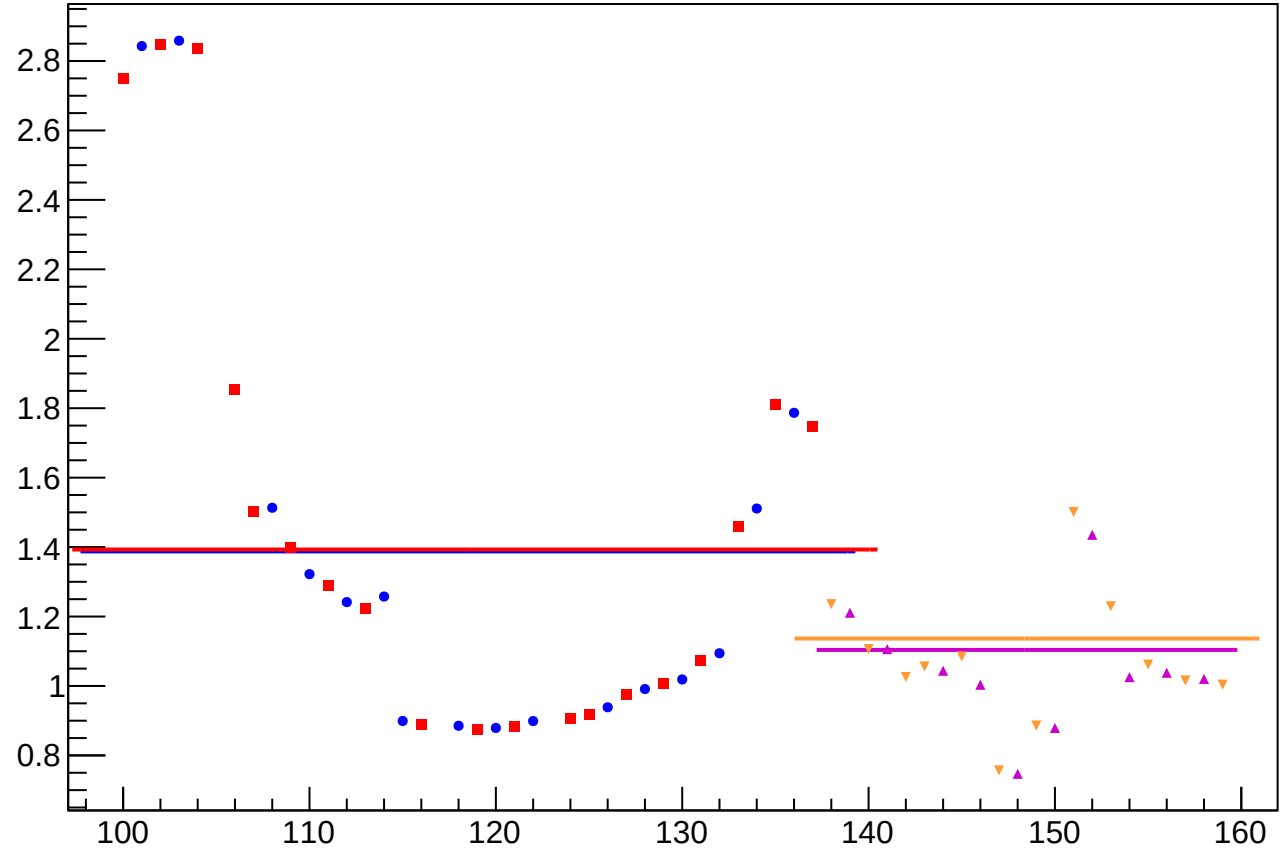
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1672809.8/25

Out: 0.008+/-0.000 χ^2/NDF:1570928.6/30

All: 0.008+/-0.000 χ^2/NDF: 3244770.2/56

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.137+/-0.000 χ^2/NDF:5302536255.0/11

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.104+/-0.000 χ^2/NDF:4137220077.4/9

Left: 1.122+/-0.000 χ^2/NDF: 9518841549.2/21

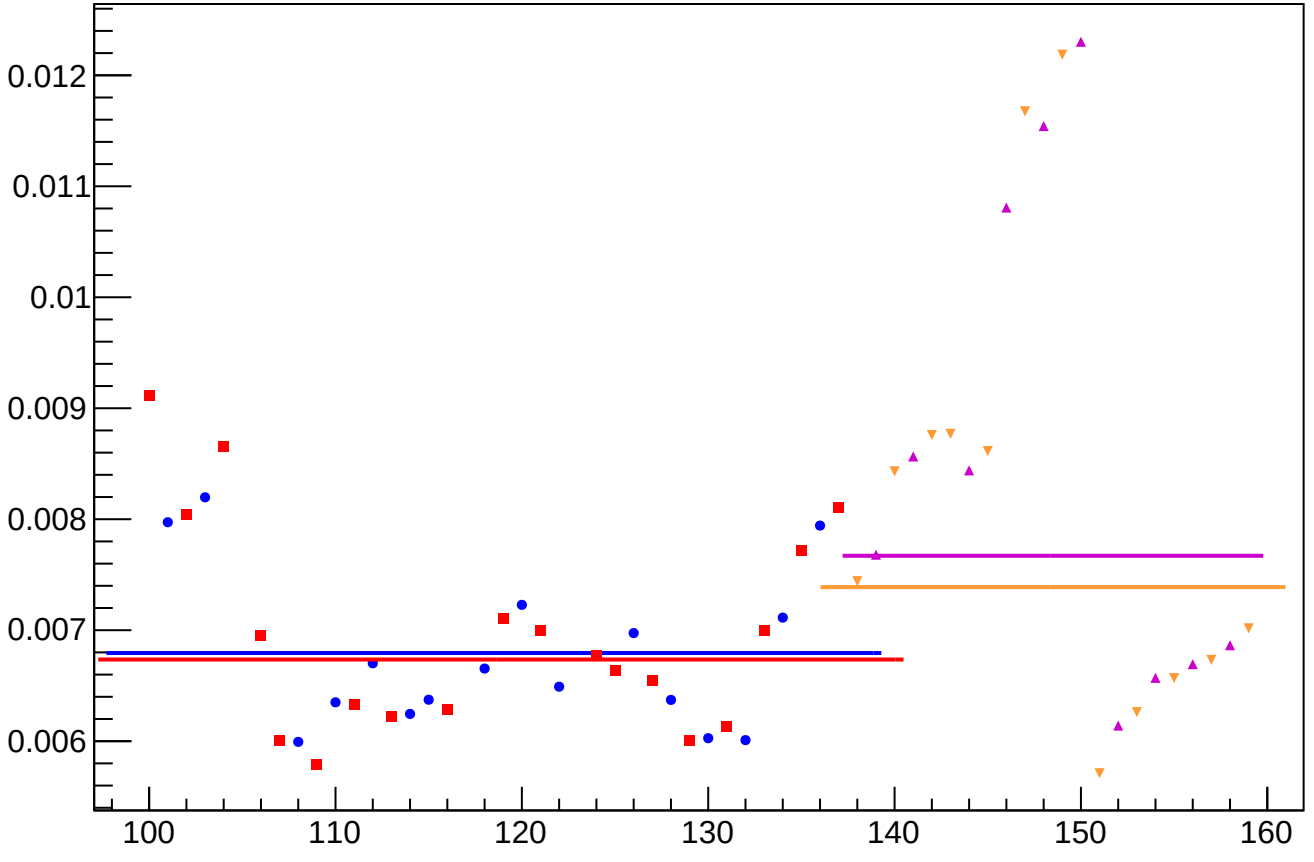
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.254+/-0.000 χ^2/NDF:68568959777.9/25

Out: 1.265+/-0.000 χ^2/NDF:65971363624.2/30

All: 1.260+/-0.000 χ^2/NDF: 134559429262.2

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:782669.0/11

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:793371.4/9

Left: 0.008+/-0.000 χ^2/NDF: 1587769.9/21

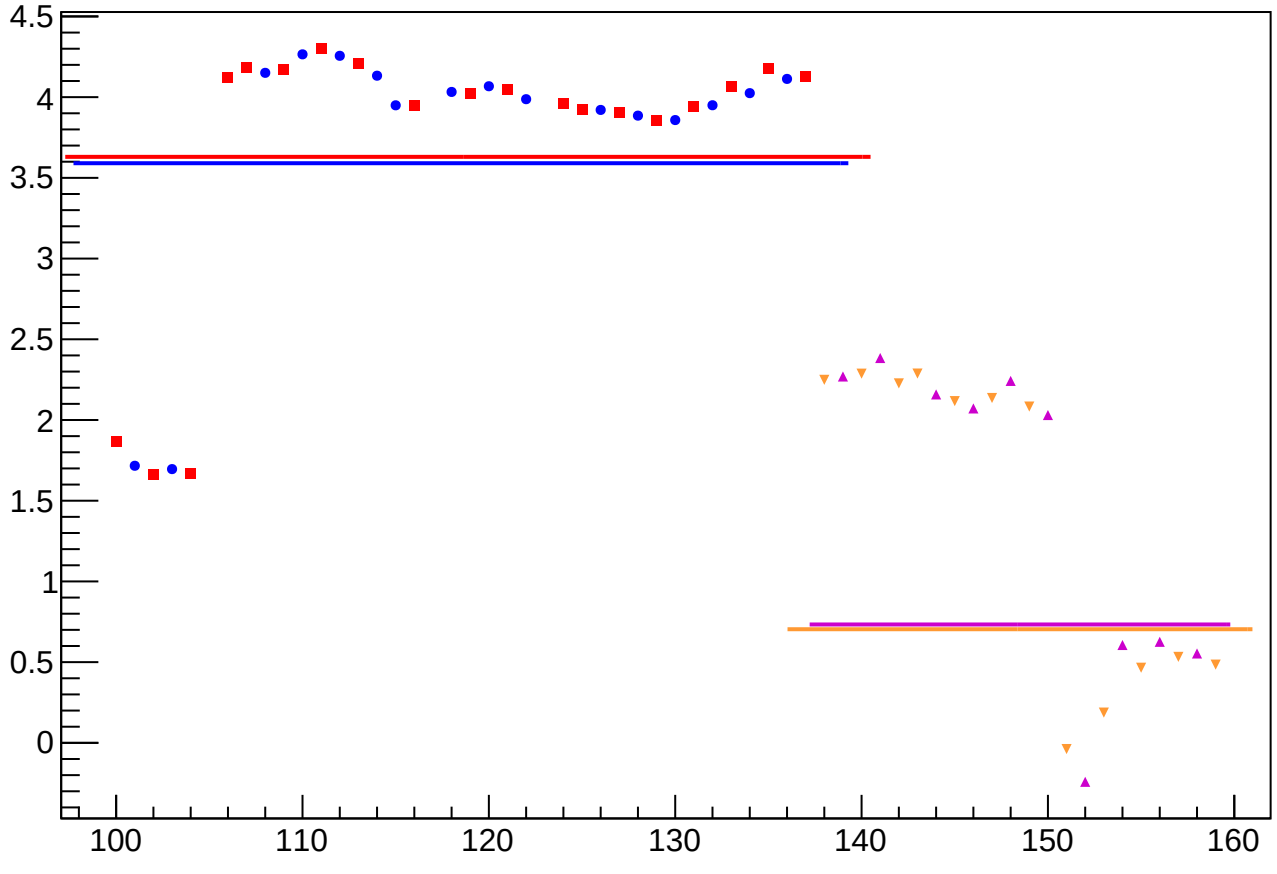
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1068774.4/25

Out: 0.007+/-0.000 χ^2/NDF:1049874.7/30

All: 0.007+/-0.000 χ^2/NDF: 2125125.8/56

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.704+/-0.000 χ^2/NDF:242605184929.5/11

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.733+/-0.000 χ^2/NDF:240778663157.5/9

Left: 0.718+/-0.000 χ^2/NDF: 483546433447.2/21

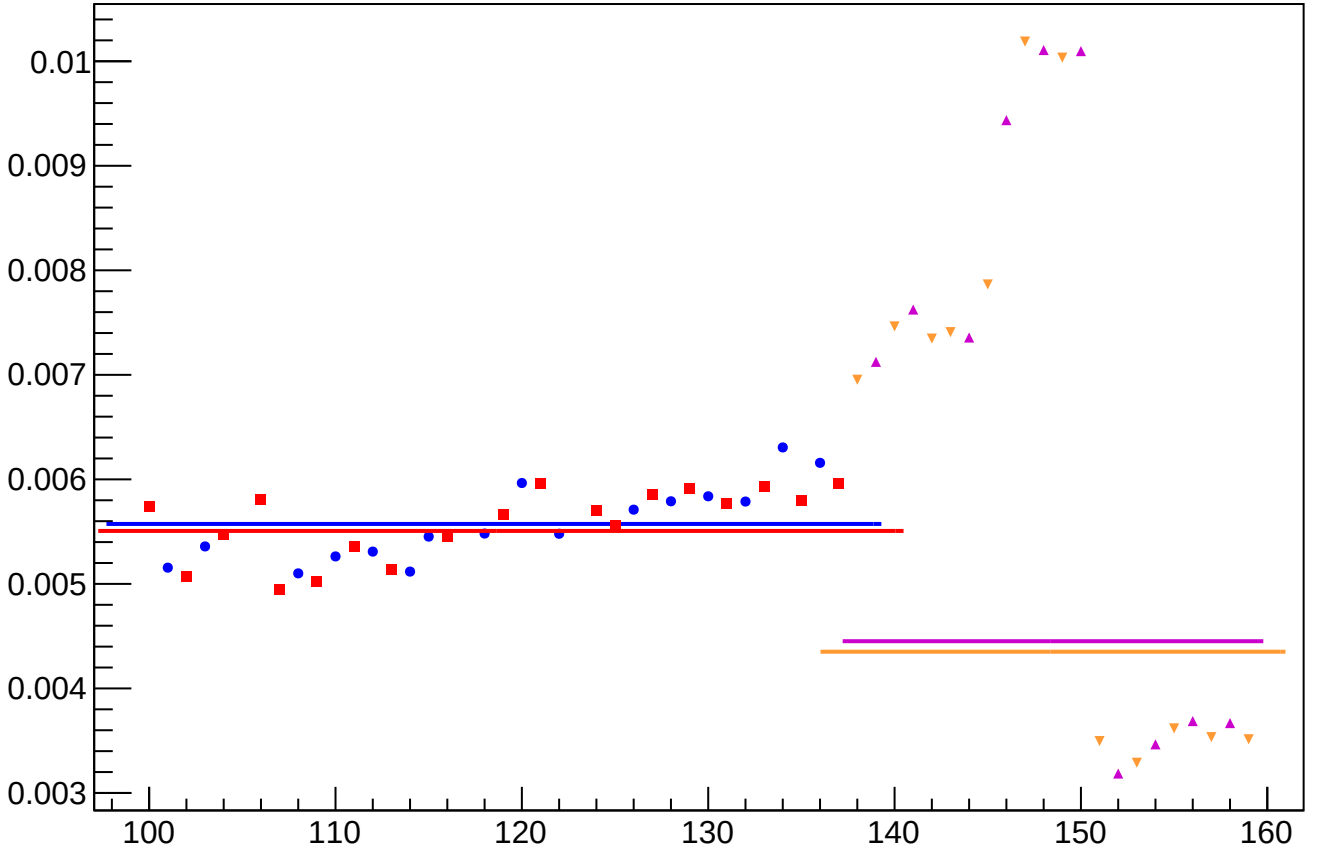
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.871+/-0.000 χ^2/NDF:1576792622966.2/25

Out: 1.796+/-0.000 χ^2/NDF:1747700877120.3/30

All: 1.831+/-0.000 χ^2/NDF: 3326206747834.

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:2675182.5/11

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2782326.1/9

Left: 0.004+/-0.000 χ^2/NDF: 5461296.0/21

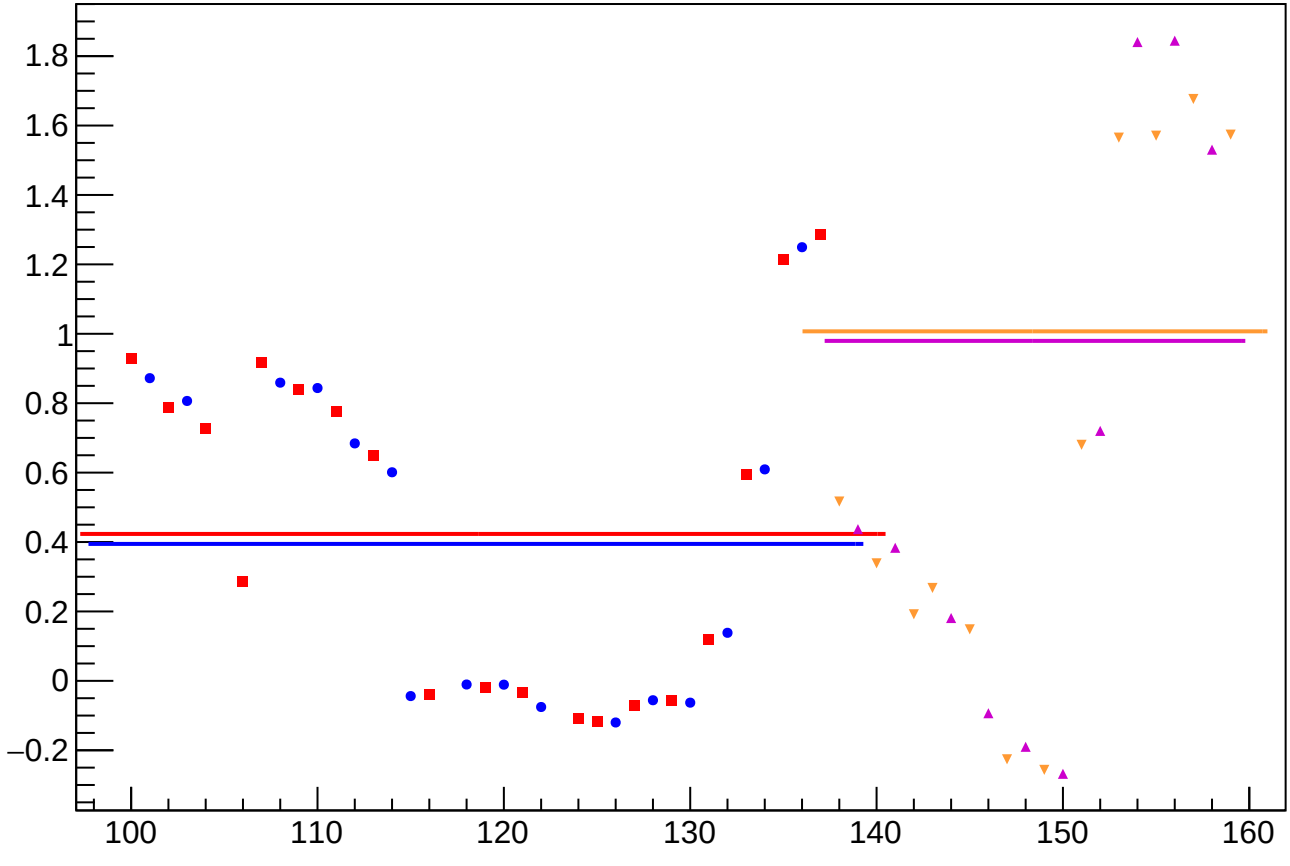
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3190970.8/25

Out: 0.005+/-0.000 χ^2/NDF:3135636.9/30

All: 0.005+/-0.000 χ^2/NDF: 6334814.2/56

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.007+/-0.000 χ^2/NDF:28364338804.5/11

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.980+/-0.000 χ^2/NDF:32430342103.3/9

Left: 0.994+/-0.000 χ^2/NDF: 60816706901.1/21

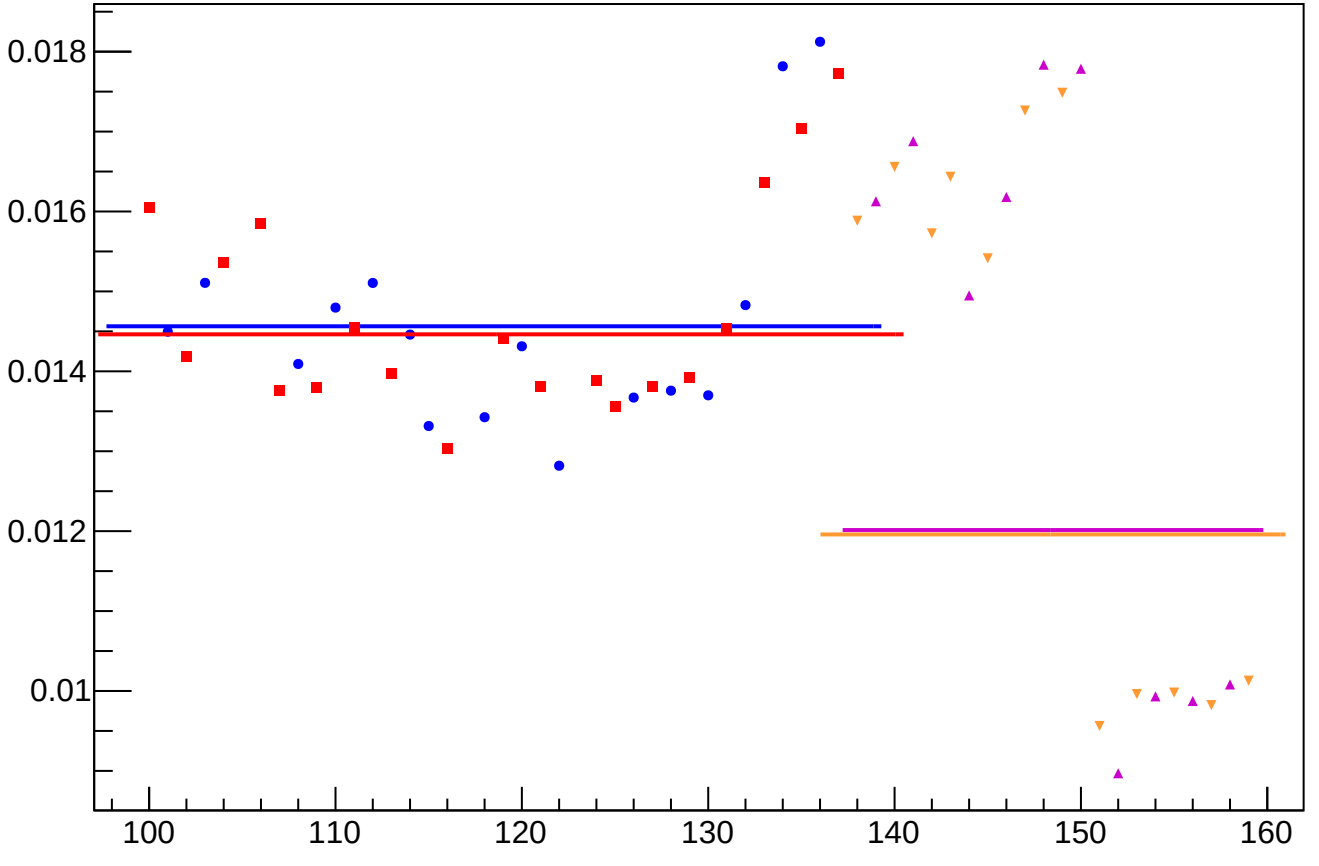
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.759+/-0.000 χ^2/NDF:46979813626.7/25

Out: 0.796+/-0.000 χ^2/NDF:42841234437.7/30

All: 0.778+/-0.000 χ^2/NDF: 89883050382.1/5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:1151344.3/11

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1214691.2/9

Left: 0.012+/-0.000 χ^2/NDF: 2366209.7/21

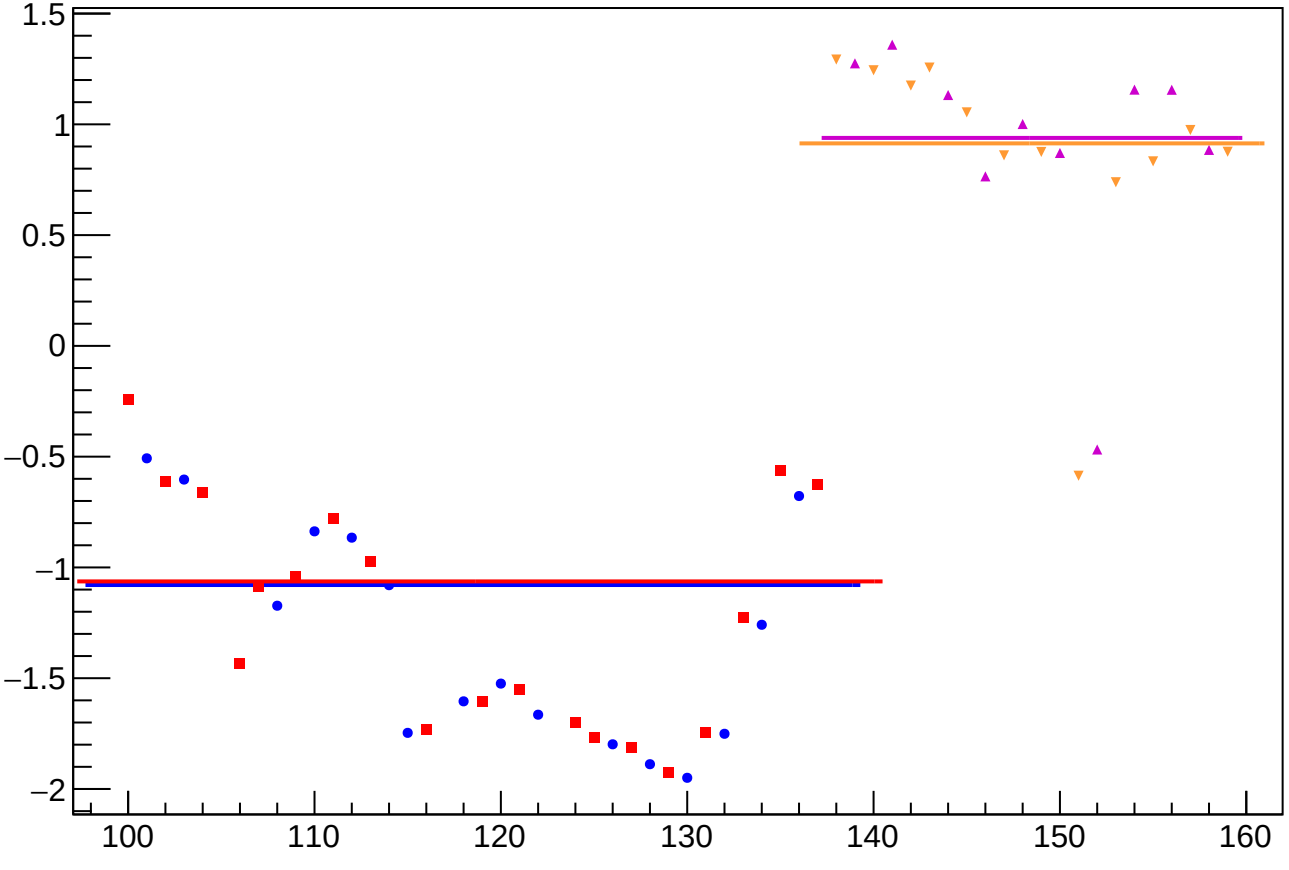
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.013+/-0.000 χ^2/NDF:1619063.2/25

Out: 0.013+/-0.000 χ^2/NDF:1507448.3/30

All: 0.013+/-0.000 χ^2/NDF: 3127612.6/56

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.914+/-0.000 χ^2/NDF:98845145527.3/11

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.939+/-0.000 χ^2/NDF:111247627870.8/9

Left: 0.926+/-0.000 χ^2/NDF: 210273489235.2/21

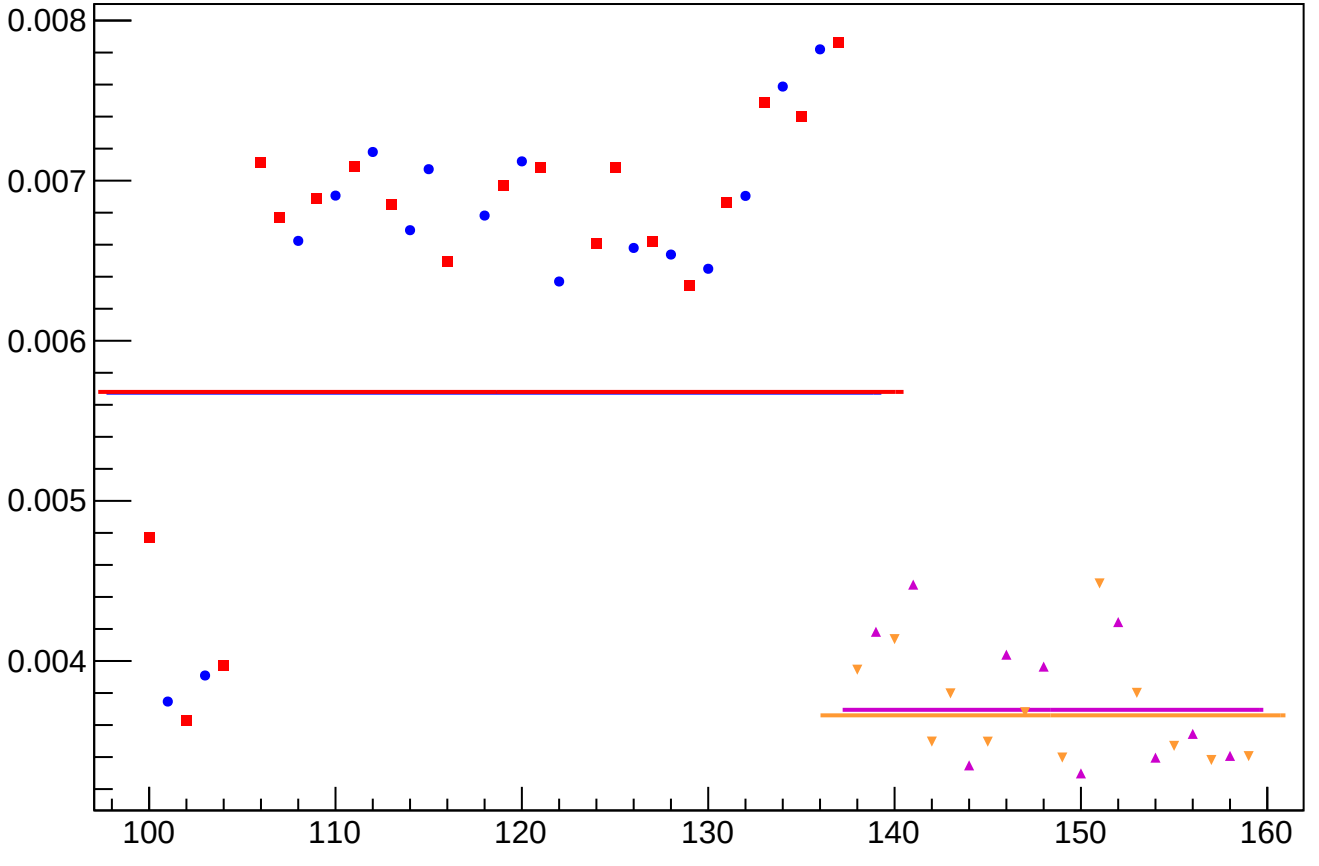
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.411+/-0.000 χ^2/NDF:765461400314.6/25

Out: 0.439+/-0.000 χ^2/NDF:742297125780.8/30

All: 0.426+/-0.000 χ^2/NDF: 1508072417789.

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:115492.3/11

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:182059.5/9

Left: 0.004+/-0.000 χ^2/NDF: 298259.5/21

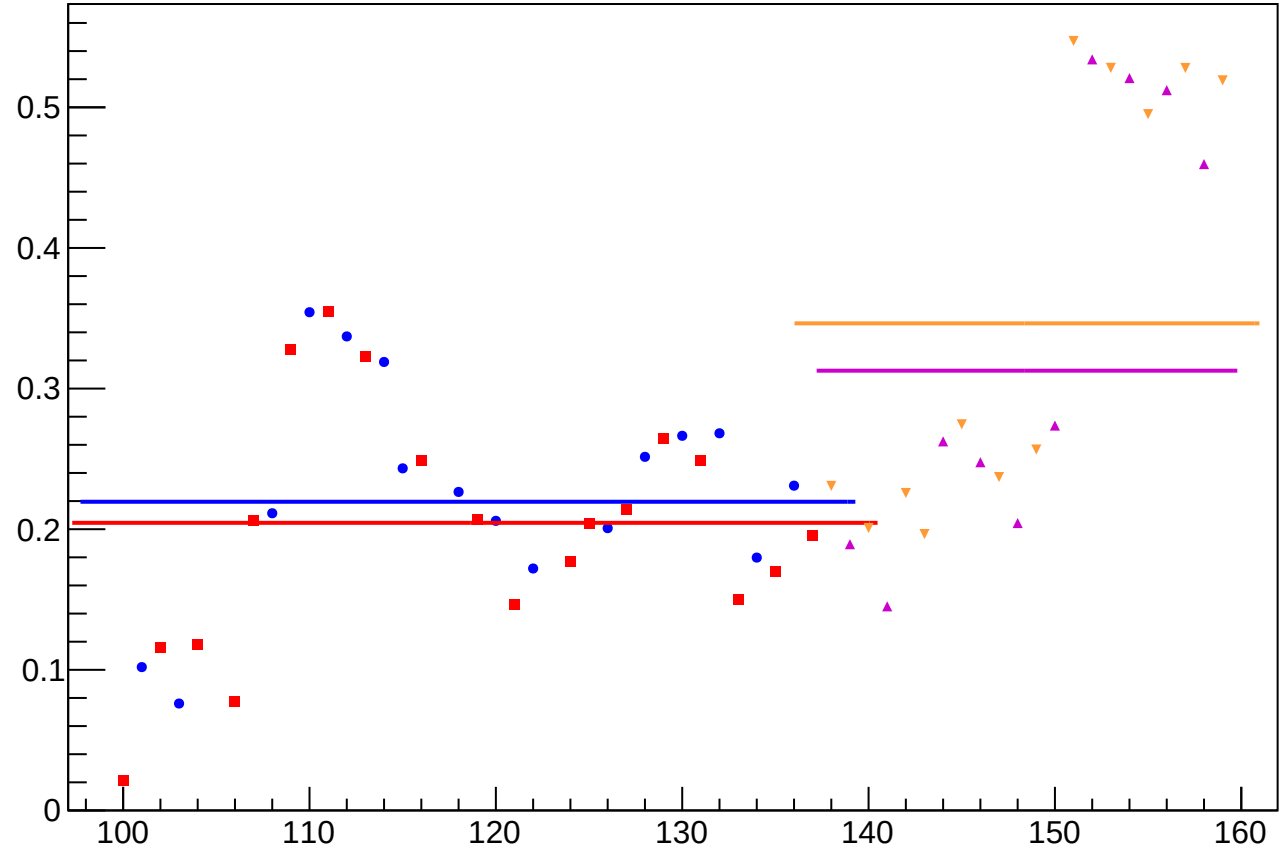
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2272391.9/25

Out: 0.004+/-0.000 χ^2/NDF:2335258.7/30

All: 0.004+/-0.000 χ^2/NDF: 4611244.7/56

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.346+/-0.000 χ^2/NDF:92500598738.7/11

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.313+/-0.000 χ^2/NDF:71896992045.5/9

Left: 0.331+/-0.000 χ^2/NDF: 166658226131.8/21

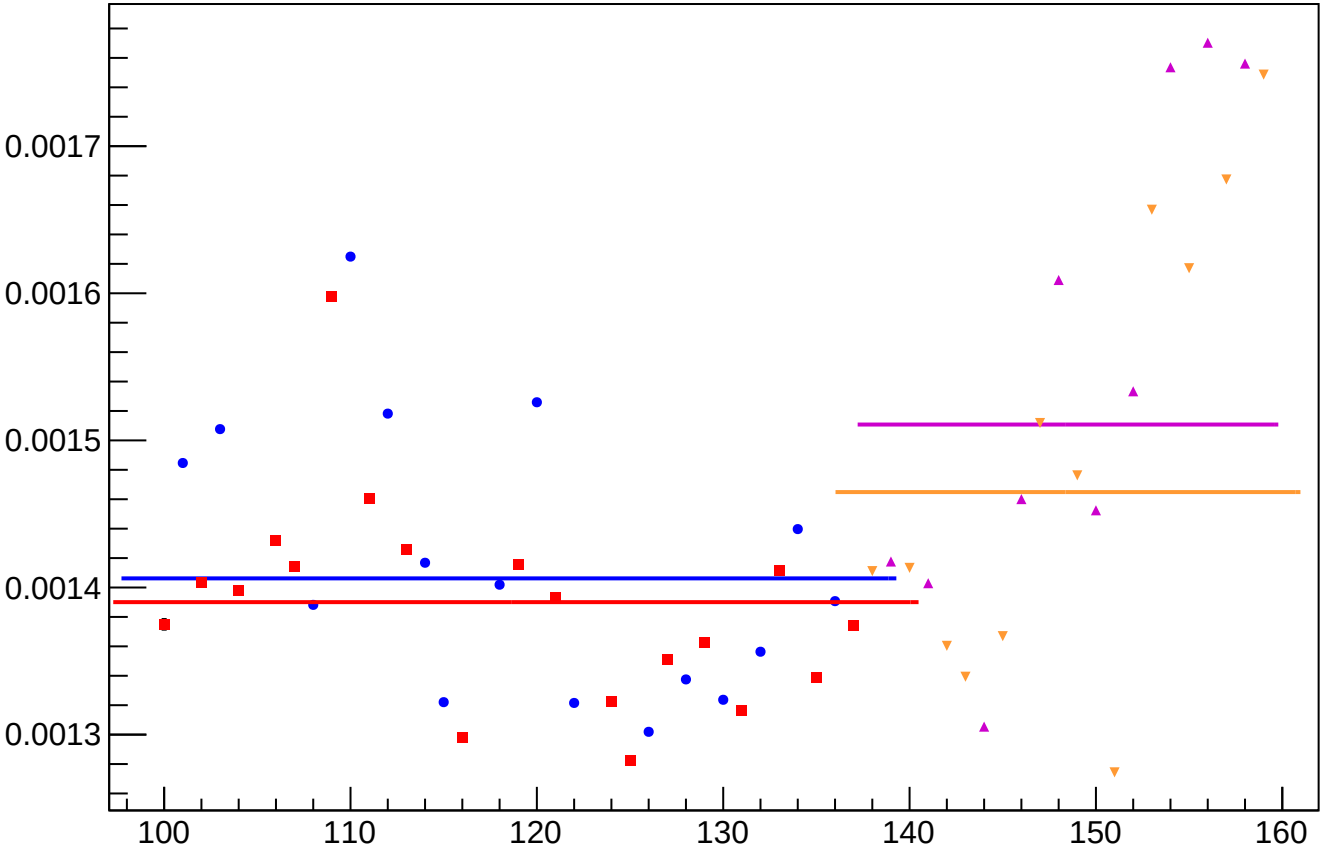
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.267+/-0.000 χ^2/NDF:104251692257.3/25

Out: 0.280+/-0.000 χ^2/NDF:155573002052.7/30

All: 0.274+/-0.000 χ^2/NDF: 260467404827.5

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:178657.7/11

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:174291.1/9

Left: 0.001+/-0.000 χ^2/NDF: 361360.1/21

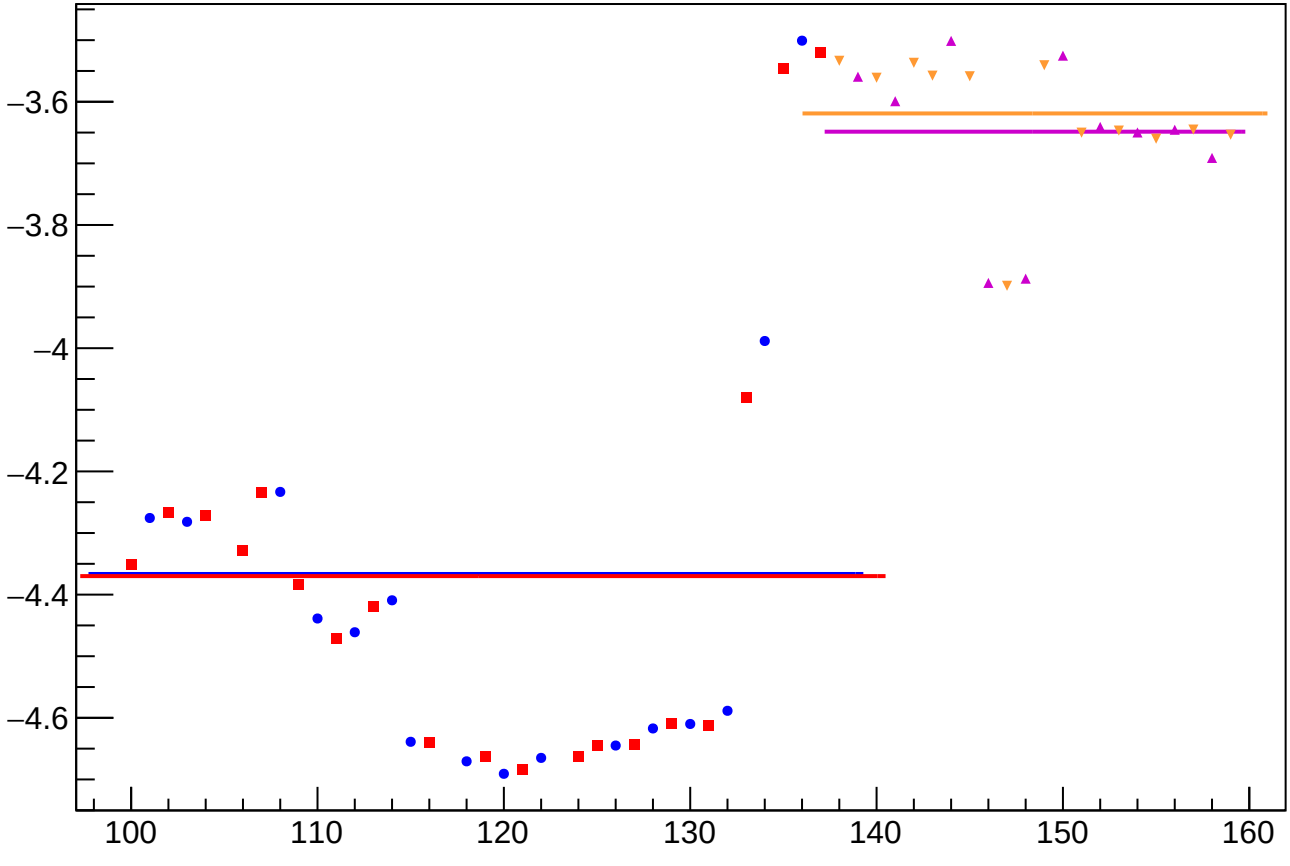
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:261831.7/25

Out: 0.001+/-0.000 χ^2/NDF:236123.4/30

All: 0.001+/-0.000 χ^2/NDF: 504743.7/56

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.619+/-0.000 χ^2/NDF:20315145601.8/11

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.649+/-0.000 χ^2/NDF:32902219724.8/9

Left: -3.633+/-0.000 χ^2/NDF: 54340443174.1/21

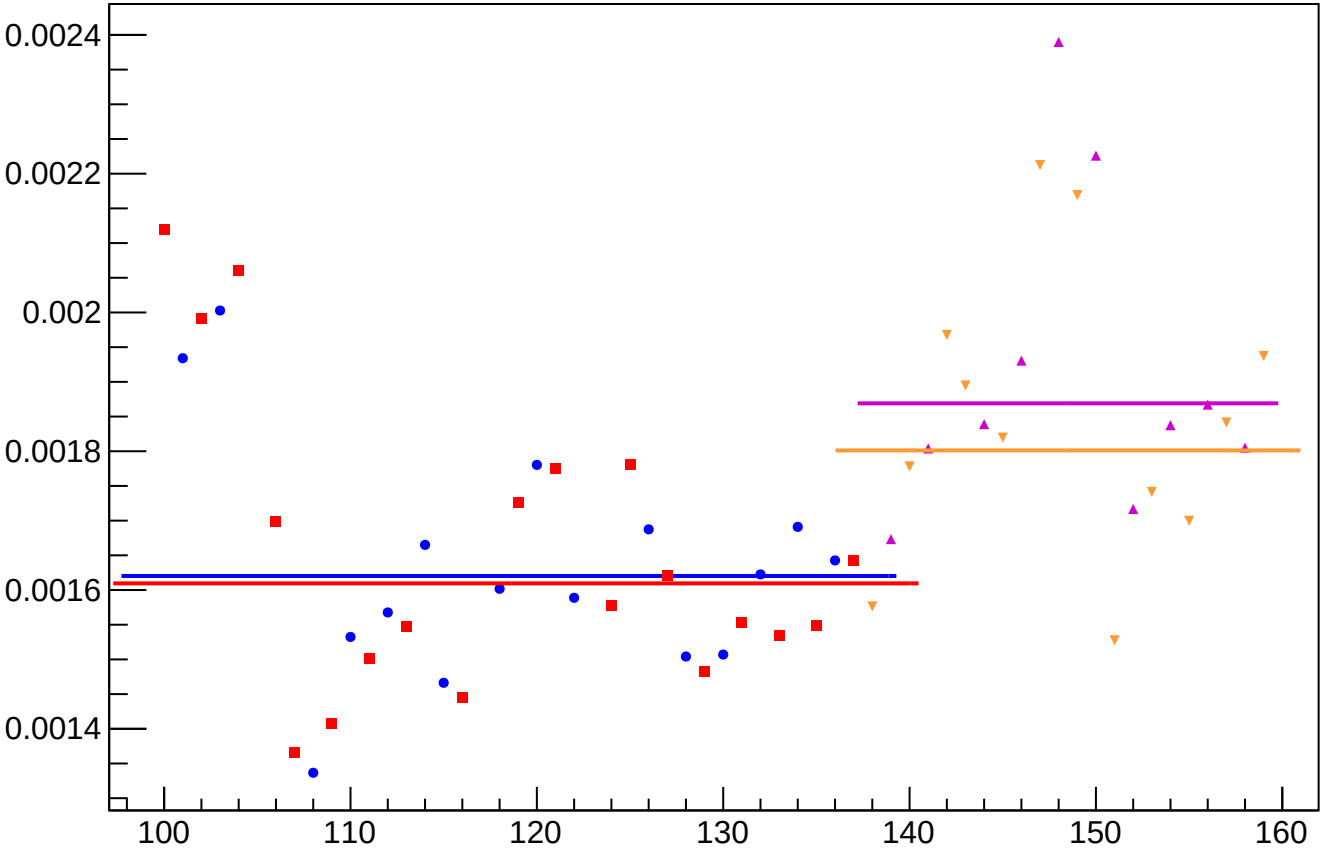
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.026+/-0.000 χ^2/NDF:1026874110511.3/25

Out: -3.992+/-0.000 χ^2/NDF:1096382345622.6/30

All: -4.008+/-0.000 χ^2/NDF: 2126214450780

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:209577.2/11

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:162787.1/9

Left: 0.002+/-0.000 χ^2/NDF: 384152.3/21

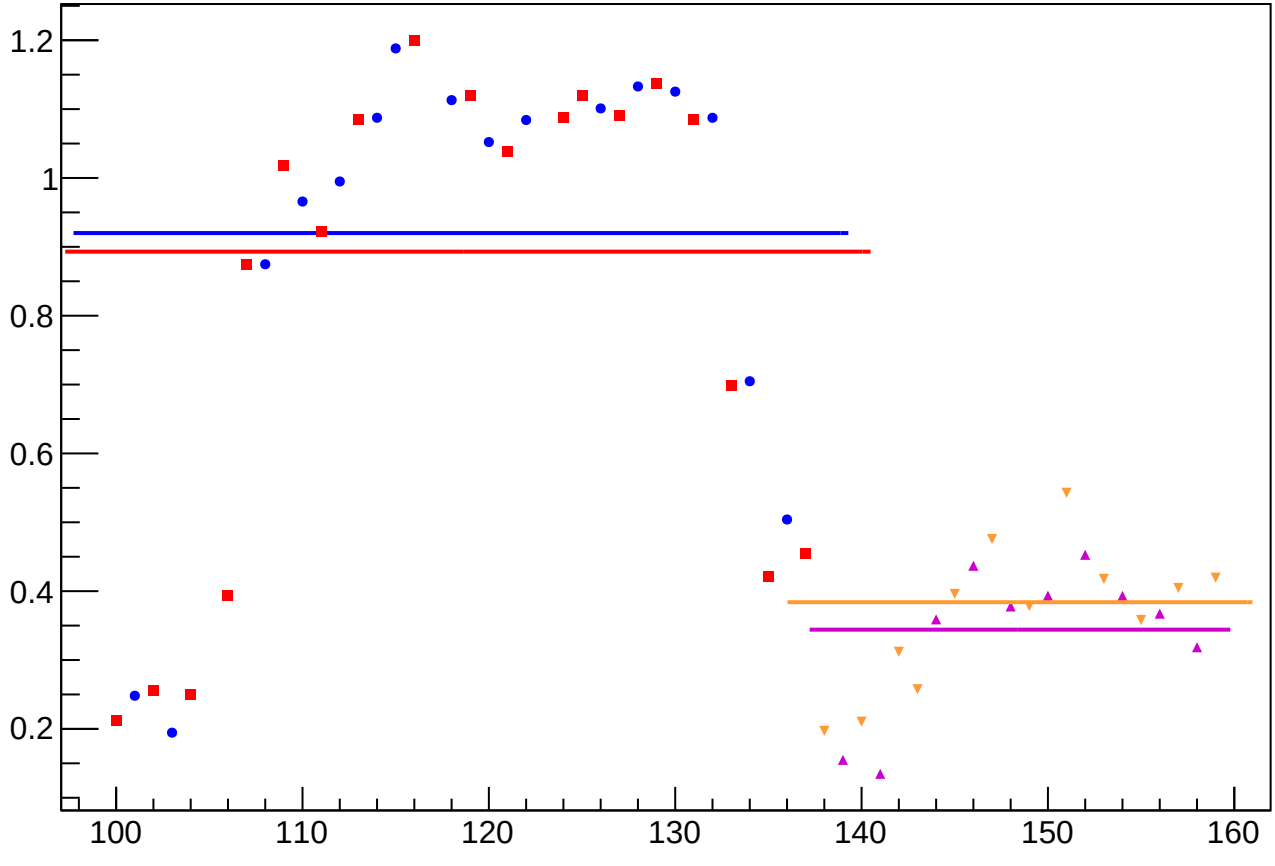
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:456968.6/25

Out: 0.002+/-0.000 χ^2/NDF:496086.4/30

All: 0.002+/-0.000 χ^2/NDF: 958558.0/56

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.384+/-0.000 χ^2/NDF:1663098870.3/11

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.344+/-0.000 χ^2/NDF:1355163885.9/9

Left: 0.366+/-0.000 χ^2/NDF: 3135269870.4/21

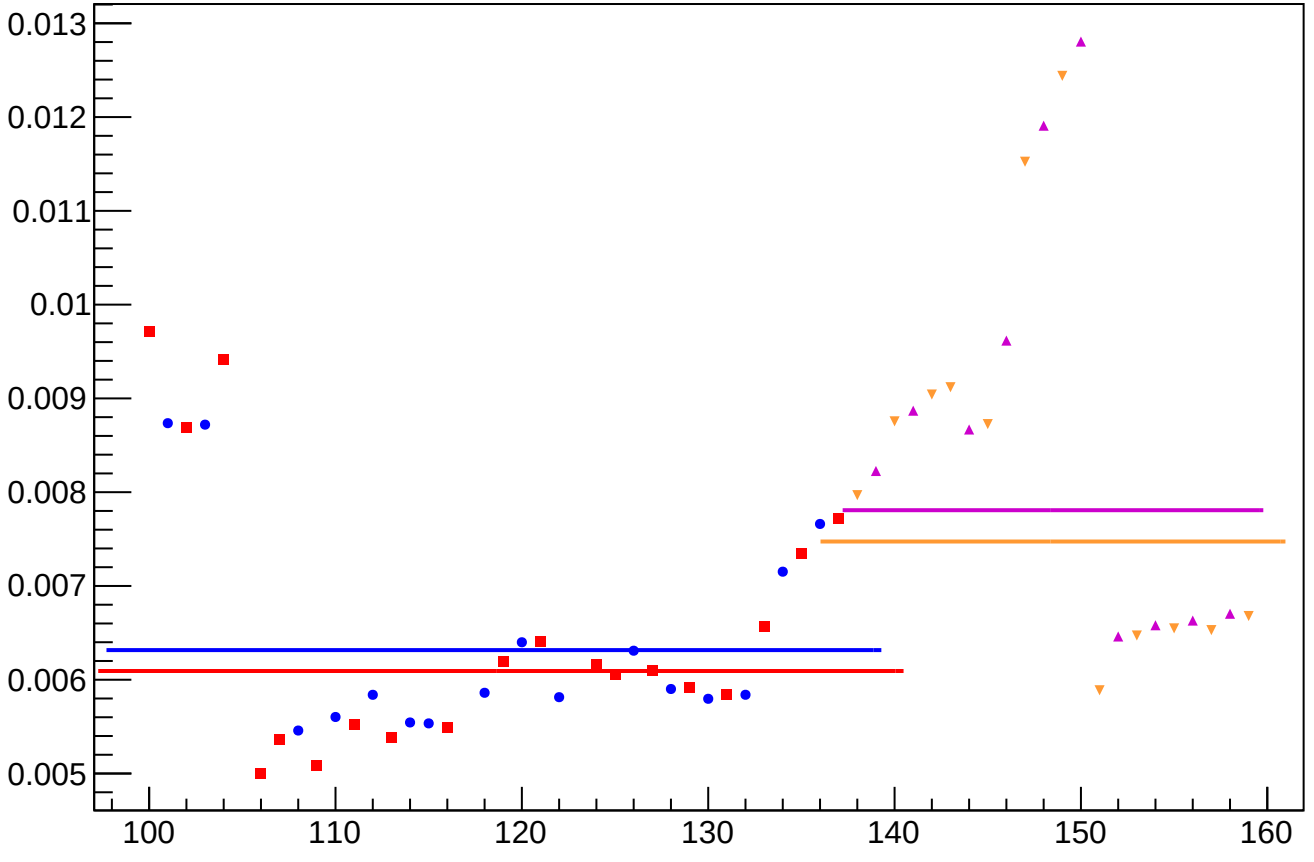
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.670+/-0.000 χ^2/NDF:41281655084.2/25

Out: 0.663+/-0.000 χ^2/NDF:42217169222.7/30

All: 0.666+/-0.000 χ^2/NDF: 83506594279.8/5

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:873871.1/11

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:813464.9/9

Left: 0.008+/-0.000 χ^2/NDF: 1703749.0/21

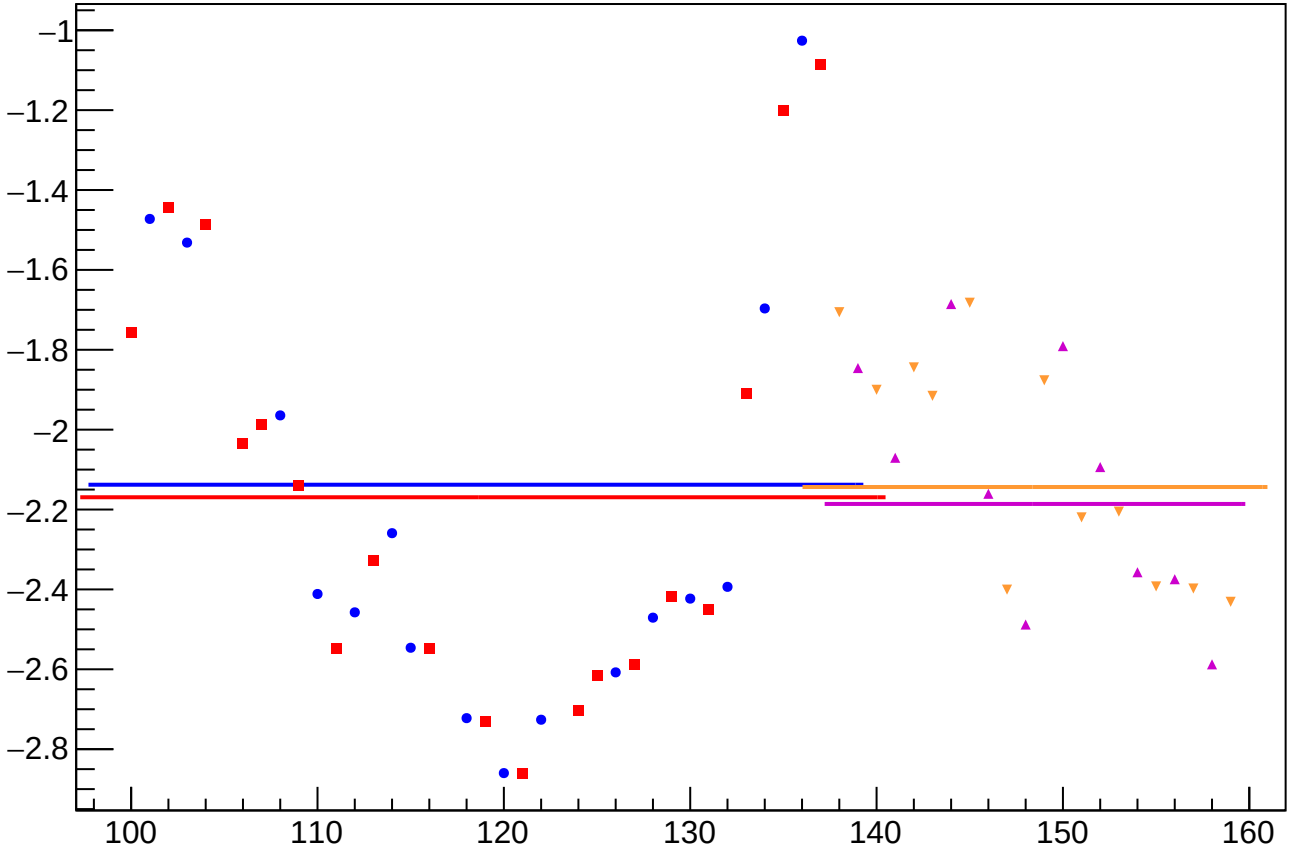
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1489476.6/25

Out: 0.007+/-0.000 χ^2/NDF:1646954.0/30

All: 0.007+/-0.000 χ^2/NDF: 3156703.2/56

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.144+/-0.000 χ^2/NDF:14651469422.0/11

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.186+/-0.000 χ^2/NDF:13700414153.3/9

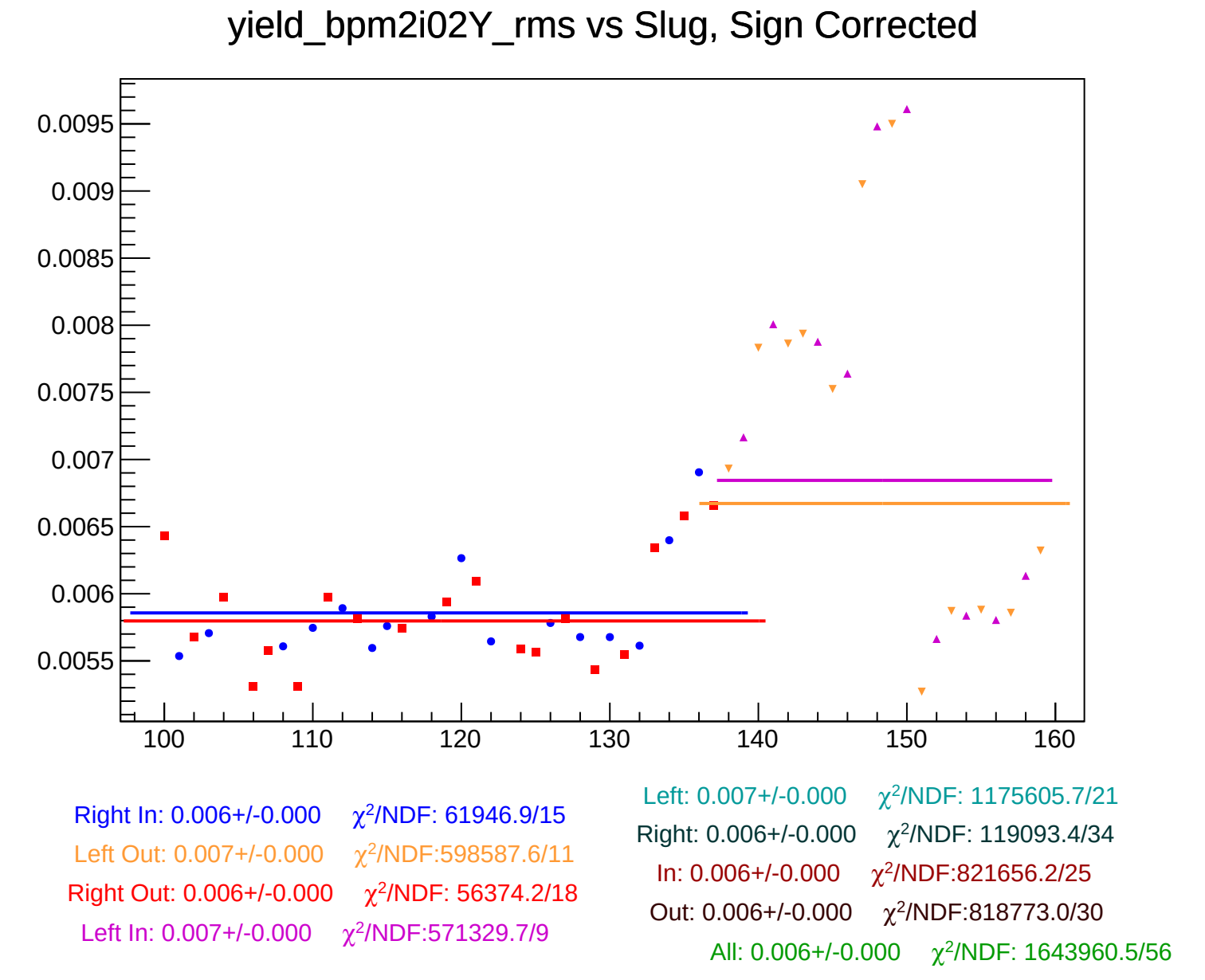
Left: -2.163+/-0.000 χ^2/NDF: 28524467572.8/21

Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

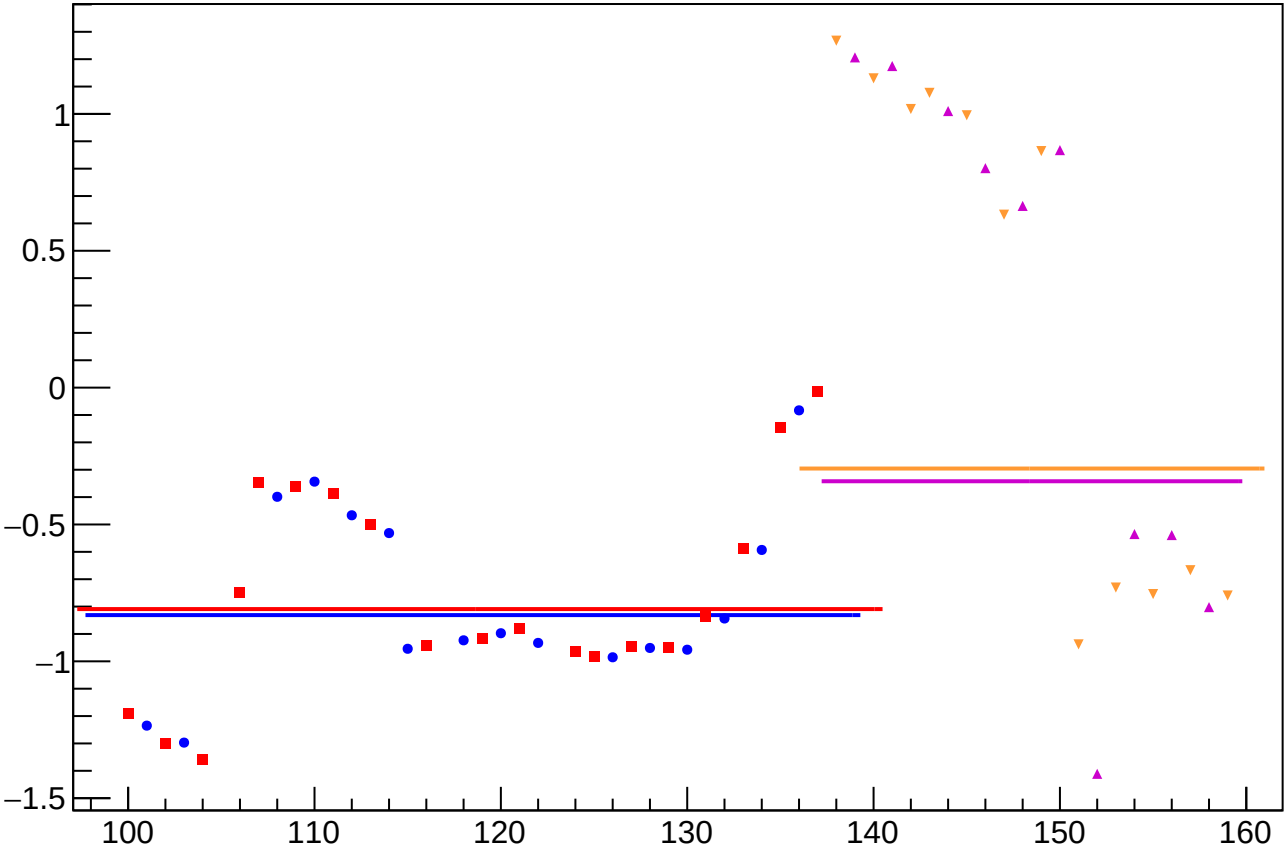
In: -2.160+/-0.000 χ^2/NDF:79591043689.7/25

Out: -2.157+/-0.000 χ^2/NDF:72130993610.4/30

All: -2.158+/-0.000 χ^2/NDF: 151724094513.3


yield_bpm2i02Y_rms vs Slug, Sign Corrected
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:598587.6/11
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:571329.7/9
Left: 0.007+/-0.000 χ²/NDF: 1175605.7/21
Right: 0.006+/-0.000 χ²/NDF: 119093.4/34
In: 0.006+/-0.000 χ²/NDF:821656.2/25
Out: 0.006+/-0.000 χ²/NDF:818773.0/30
All: 0.006+/-0.000 χ²/NDF: 1643960.5/56

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.296+/-0.000 χ^2/NDF:76384613640.4/11

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.342+/-0.000 χ^2/NDF:86806991375.4/9

Left: -0.318+/-0.000 χ^2/NDF: 163314798895.6/21

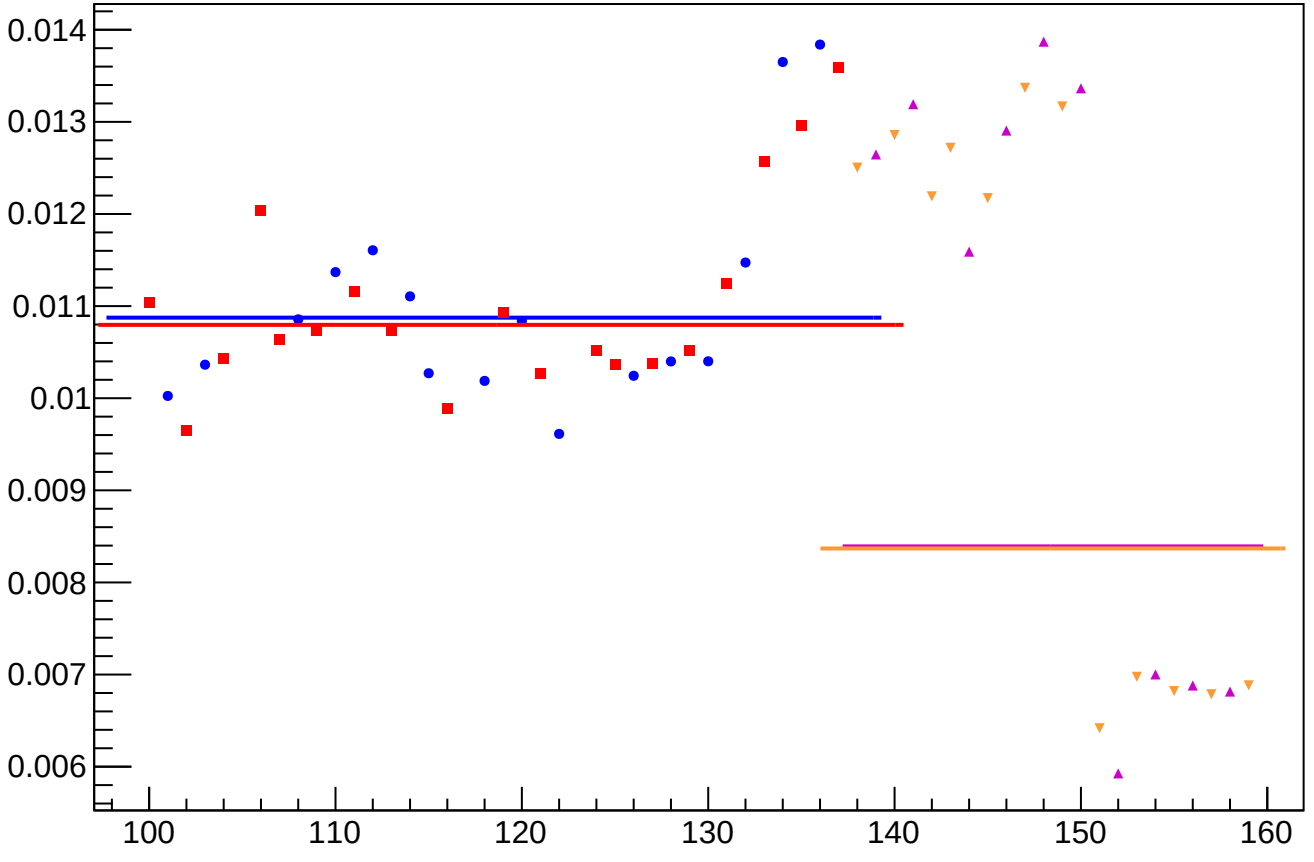
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.516+/-0.000 χ^2/NDF:103100257164.3/25

Out: -0.470+/-0.000 χ^2/NDF:95321599938.3/30

All: -0.492+/-0.000 χ^2/NDF: 198601504616.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1693843.5/11

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1789011.7/9

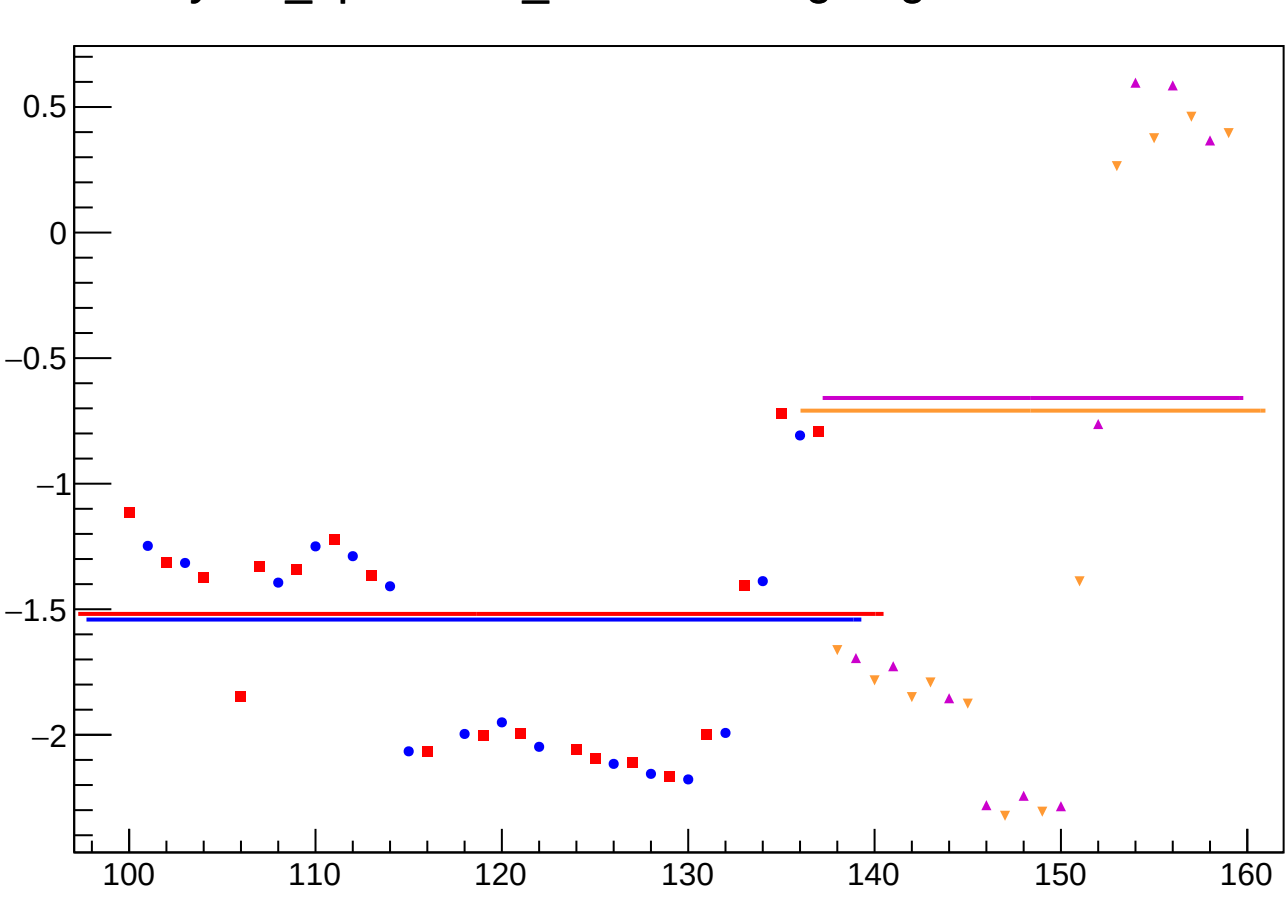
Left: 0.008+/-0.000 χ^2/NDF: 3482913.2/21

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

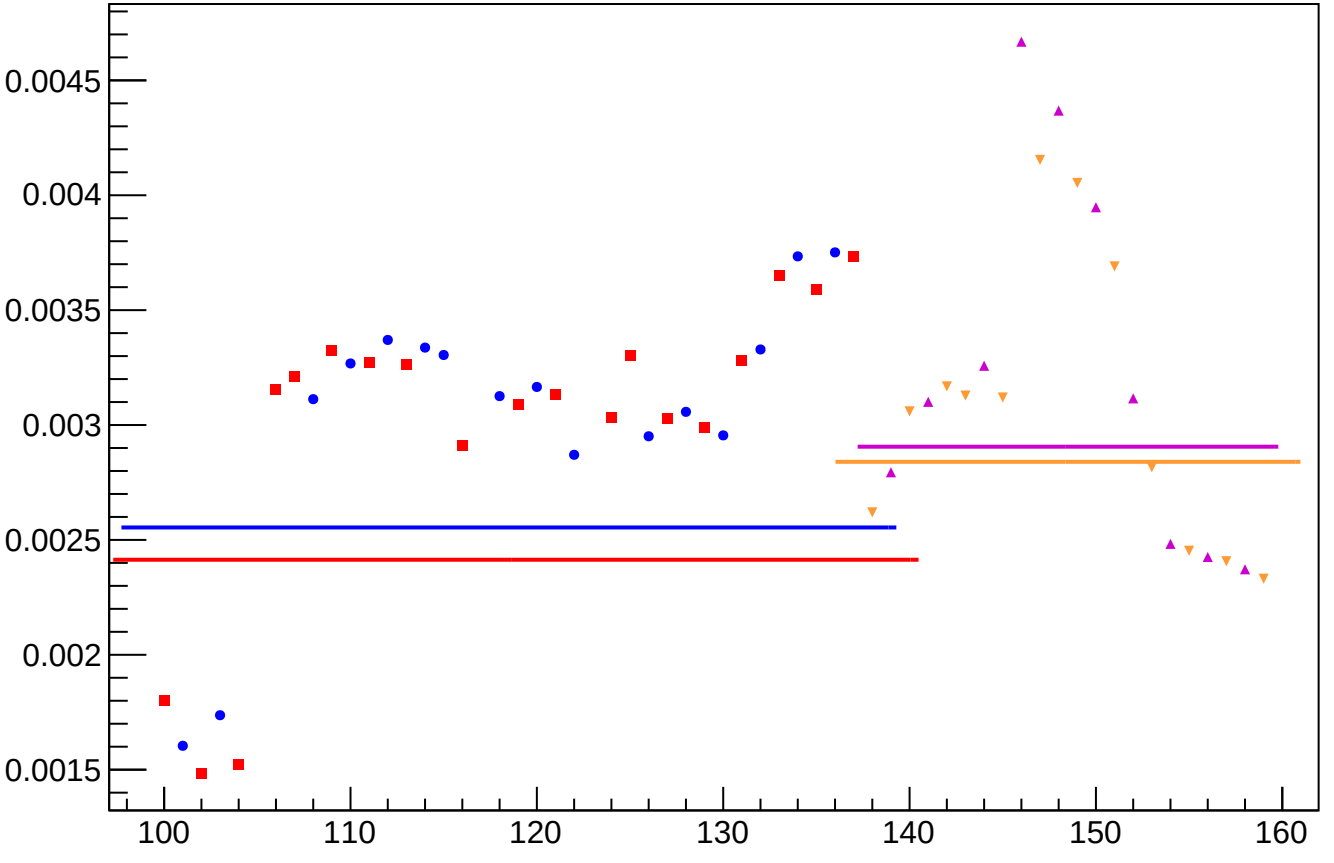
In: 0.009+/-0.000 χ^2/NDF:2420167.5/25

Out: 0.009+/-0.000 χ^2/NDF:2275301.6/30

All: 0.009+/-0.000 χ^2/NDF: 4696530.9/56


yield_bpm0i01Y_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.709+/-0.000 χ²/NDF:1253829066878.0/11
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.659+/-0.000 χ²/NDF:1154374031813.5/9
Left: -0.686+/-0.000 χ²/NDF: 2409383688961.5/21
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -1.116+/-0.000 χ²/NDF:1664716329150.0/25
Out: -1.116+/-0.000 χ²/NDF:1730728868101.7/30
All: -1.116+/-0.000 χ²/NDF: 3395445967062

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:526396.2/11

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:632429.3/9

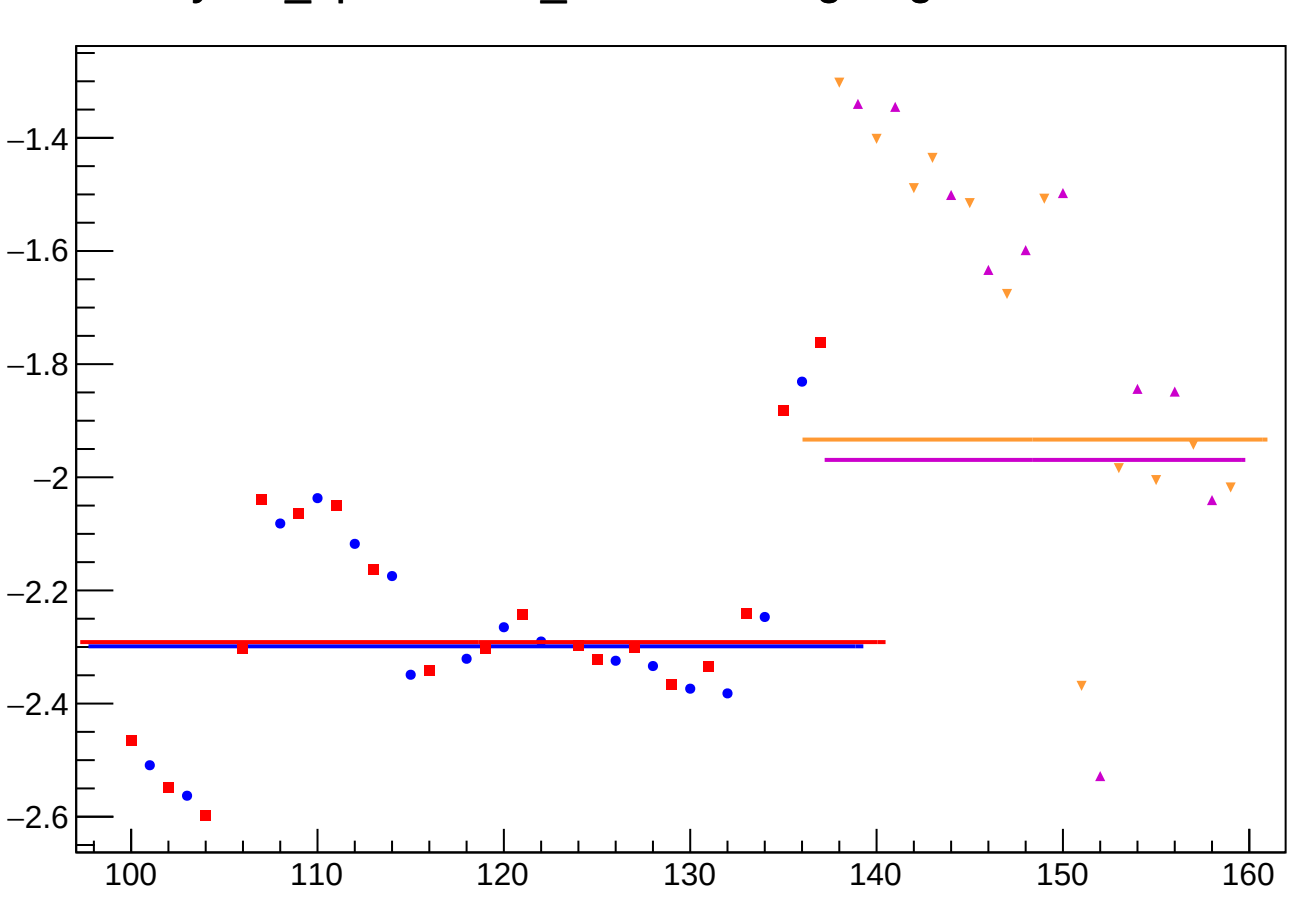
Left: 0.003+/-0.000 χ^2/NDF: 1162851.0/21

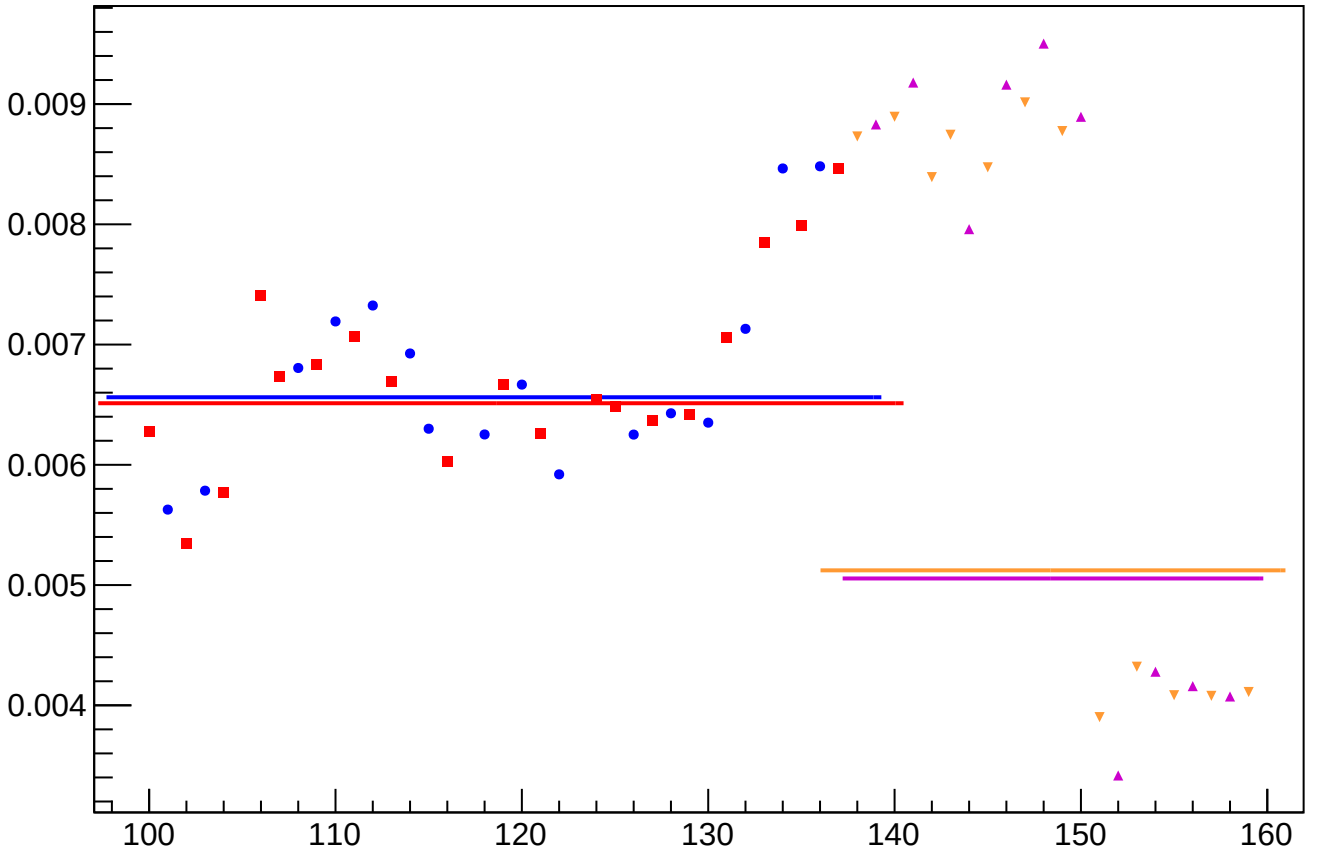
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1915335.9/25

Out: 0.003+/-0.000 χ^2/NDF:2257226.5/30

All: 0.003+/-0.000 χ^2/NDF: 4190608.2/56


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.933+/-0.000 χ²/NDF:24883361978.7/11
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.969+/-0.000 χ²/NDF:39404741038.5/9
Left: -1.950+/-0.000 χ²/NDF: 64475689755.8/21
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.090+/-0.000 χ²/NDF:56593562894.1/25
Out: -2.060+/-0.000 χ²/NDF:45553760254.3/30
All: -2.075+/-0.000 χ²/NDF: 102345799744.



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2269359.2/11

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2475481.6/9

Left: 0.005+/-0.000 χ^2/NDF: 4746164.4/21

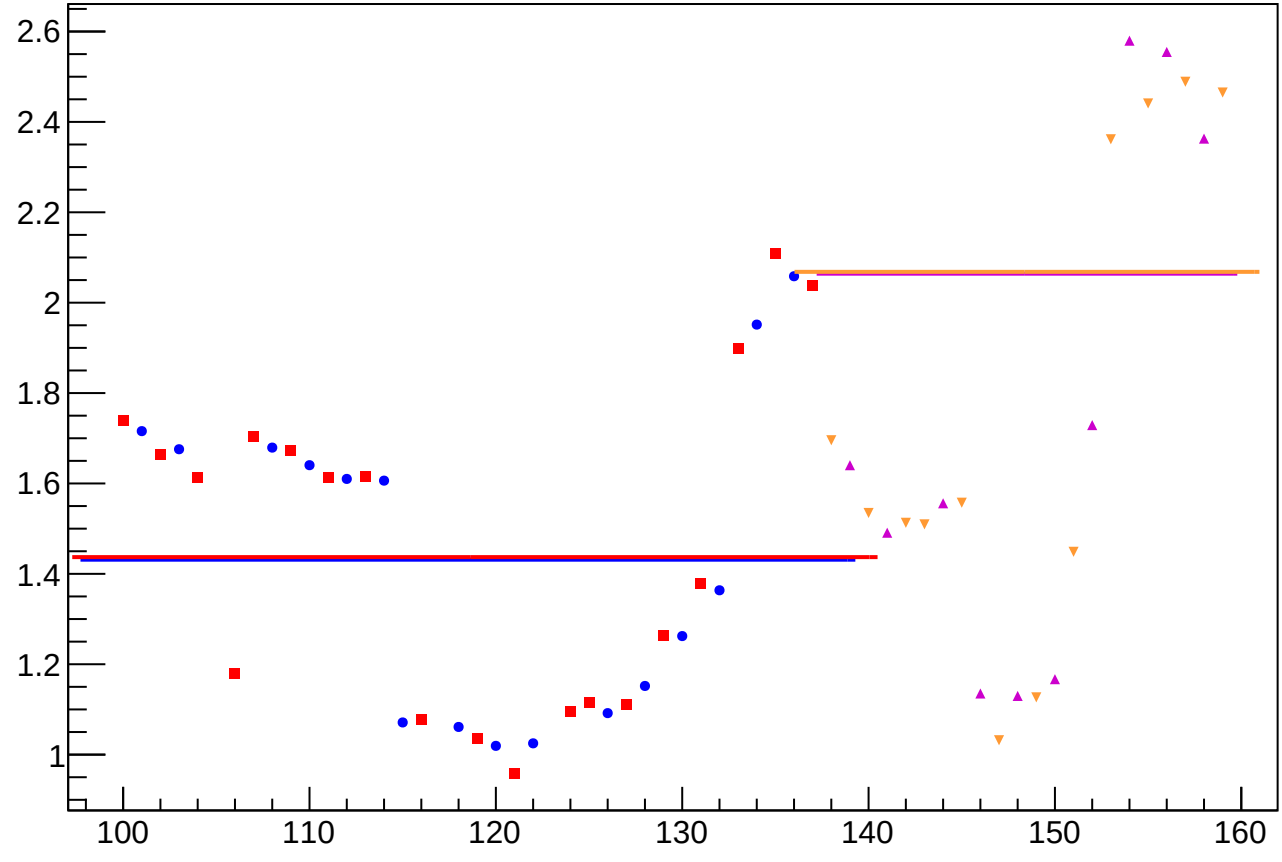
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.006+/-0.000 χ^2/NDF:3160014.4/25

Out: 0.006+/-0.000 χ^2/NDF:2871440.5/30

All: 0.006+/-0.000 χ^2/NDF: 6031490.4/56

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.068+/-0.000 χ^2/NDF:131235582680.7/11

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.064+/-0.000 χ^2/NDF:123484636167.7/9

Left: 2.066+/-0.000 χ^2/NDF: 254724631102.1/21

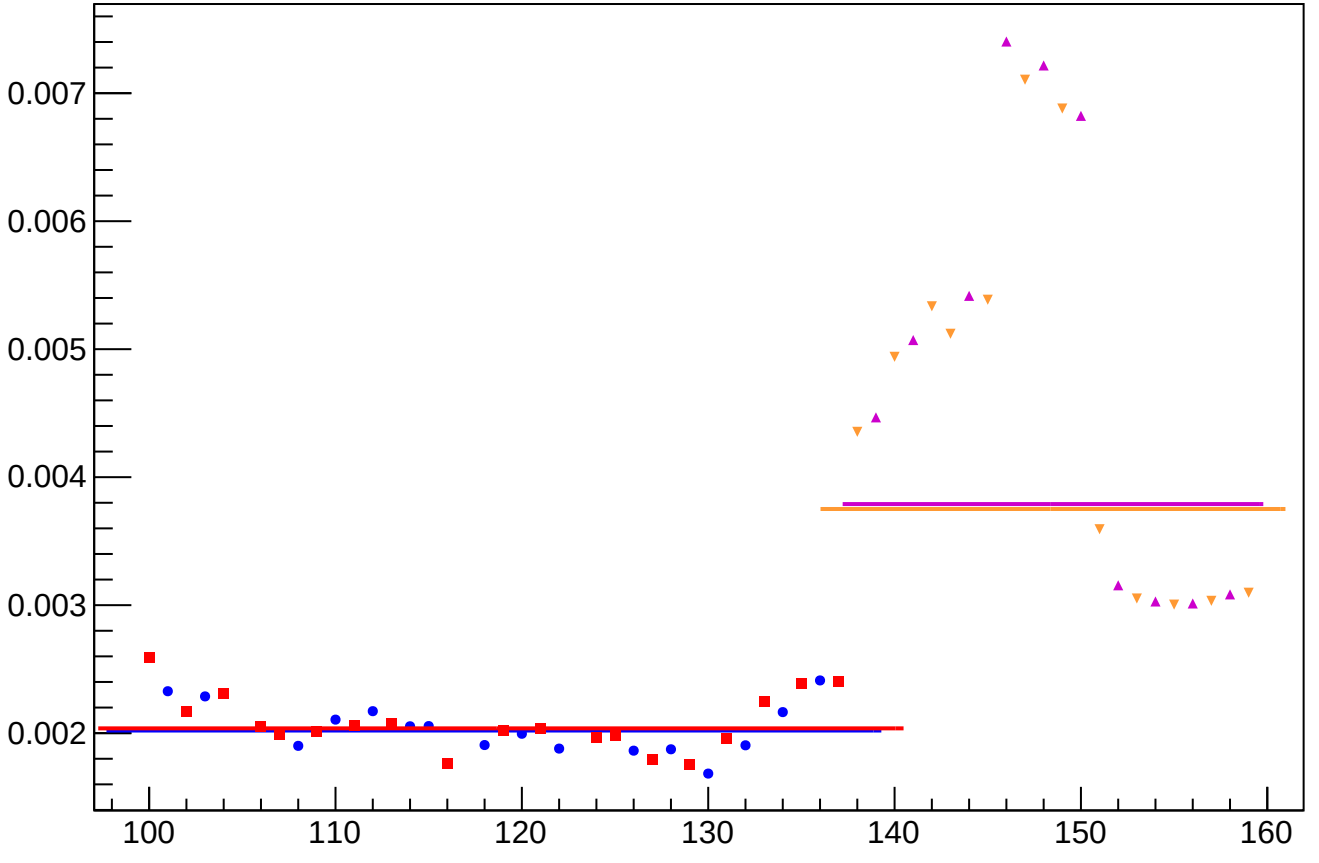
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.580+/-0.000 χ^2/NDF:465402573421.3/25

Out: 1.601+/-0.000 χ^2/NDF:482211939639.0/30

All: 1.591+/-0.000 χ^2/NDF: 948105028629.8

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1357572.5/11

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1580224.3/9

Left: 0.004+/-0.000 χ^2/NDF: 2938587.3/21

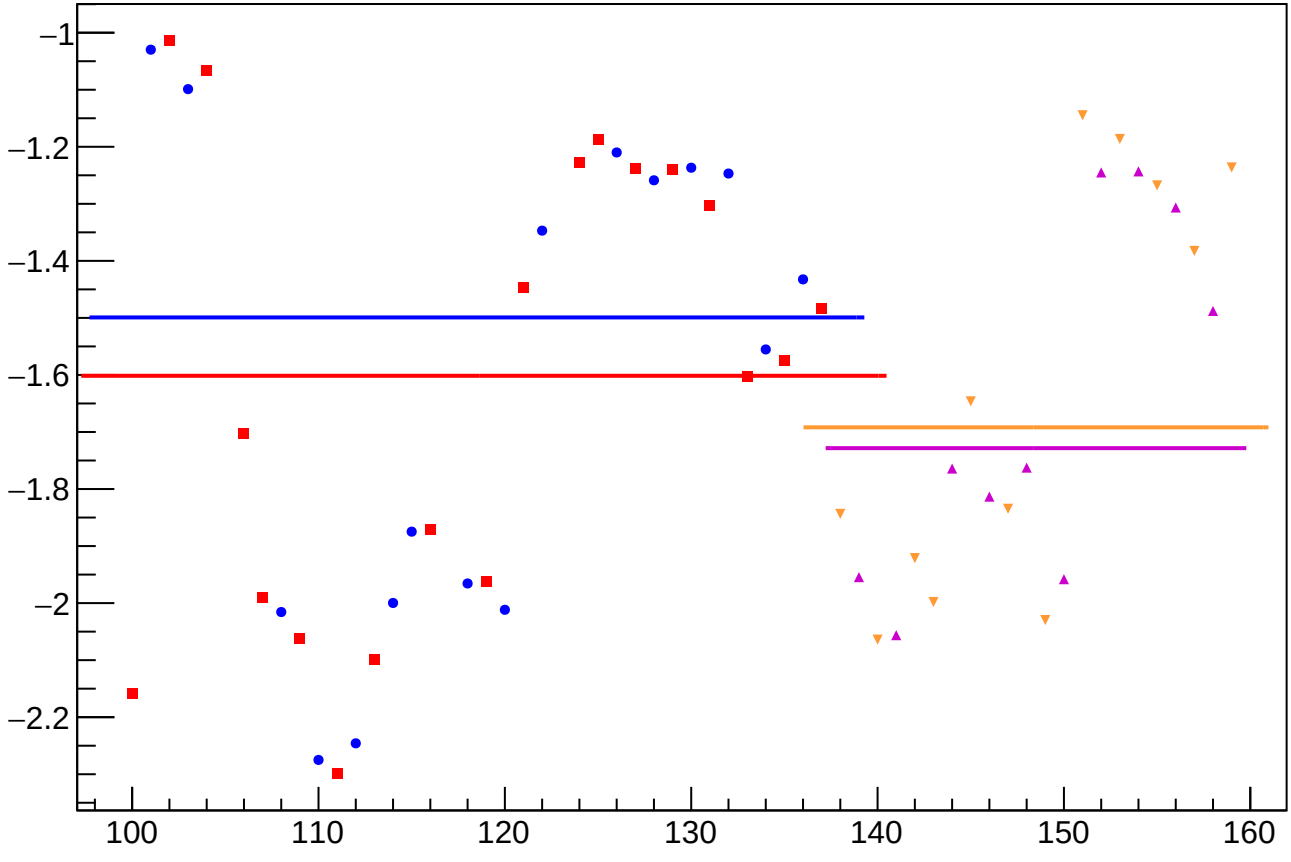
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:4123096.8/25

Out: 0.002+/-0.000 χ^2/NDF:3962617.0/30

All: 0.002+/-0.000 χ^2/NDF: 8090556.1/56

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.692+/-0.000 χ^2/NDF:25101251872.6/11

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.728+/-0.000 χ^2/NDF:15129783490.2/9

Left: -1.709+/-0.000 χ^2/NDF: 40362844674.0/21

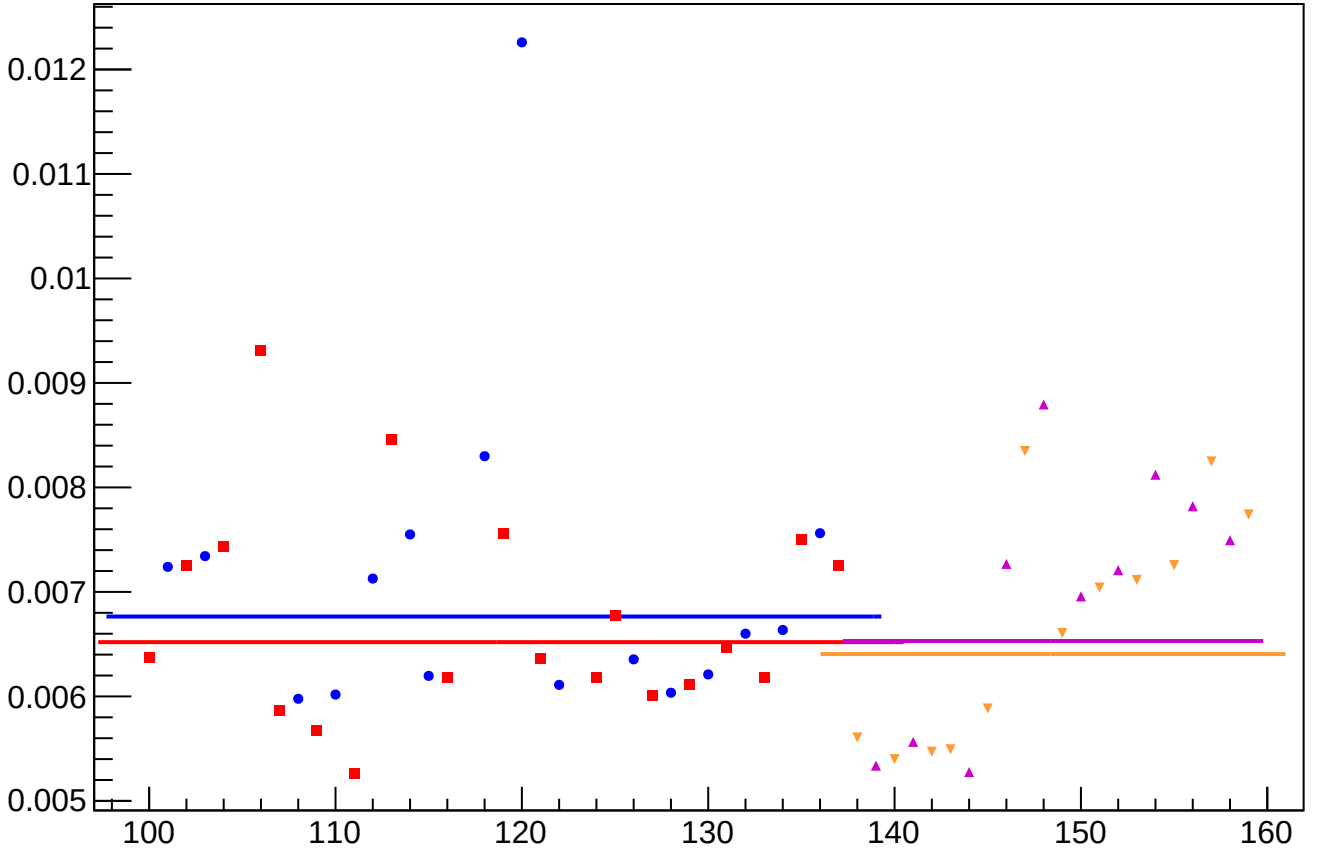
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.629+/-0.000 χ^2/NDF:42267615307.6/25

Out: -1.653+/-0.000 χ^2/NDF:54178797869.7/30

All: -1.642+/-0.000 χ^2/NDF: 96548056666.8/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:422307.0/11

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:497846.5/9

Left: 0.006+/-0.000 χ^2/NDF: 923239.9/21

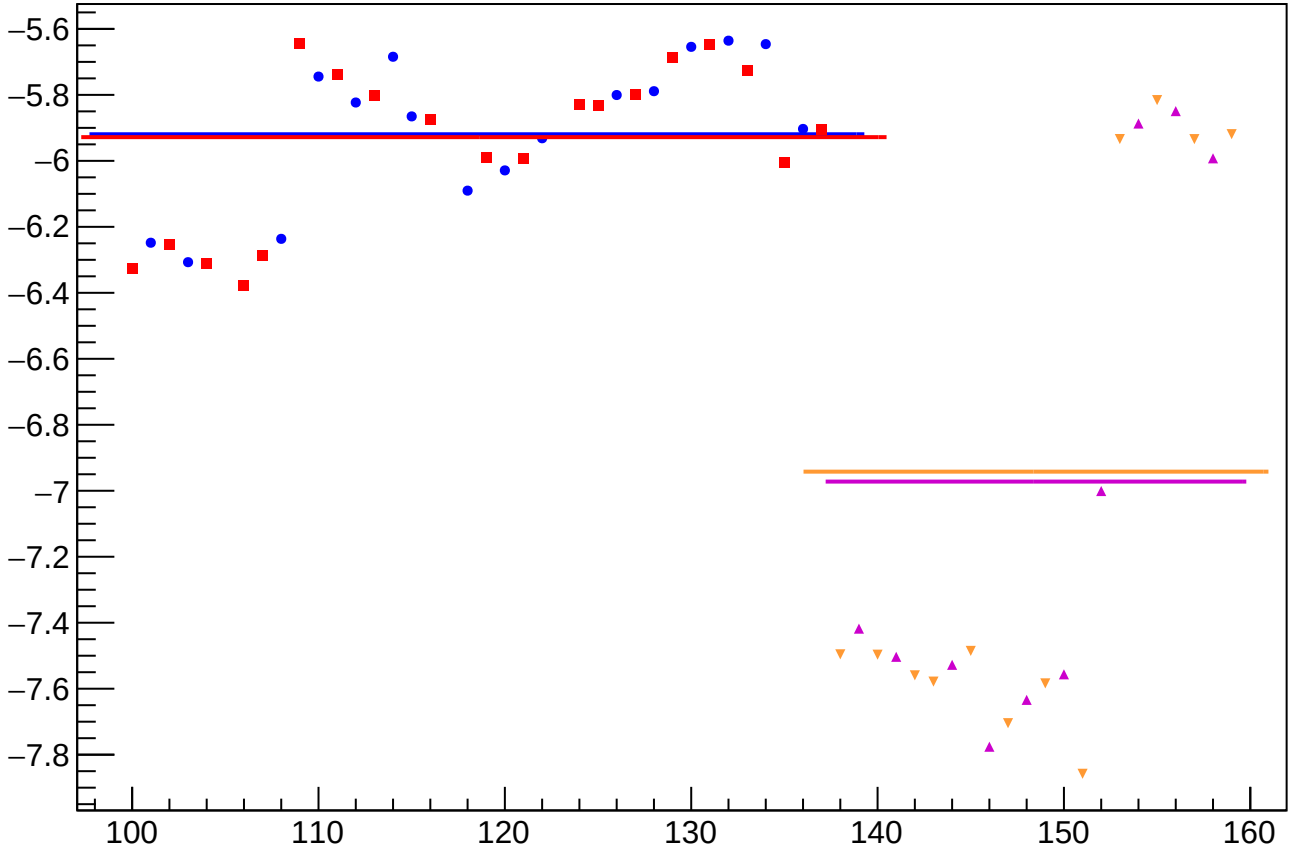
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:745216.9/25

Out: 0.006+/-0.000 χ^2/NDF:670135.6/30

All: 0.007+/-0.000 χ^2/NDF: 1426362.1/56

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.942+/-0.000 χ^2/NDF:56305546243.1/11

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.972+/-0.000 χ^2/NDF:39419316443.4/9

Left: -6.956+/-0.000 χ^2/NDF: 95758926789.8/21

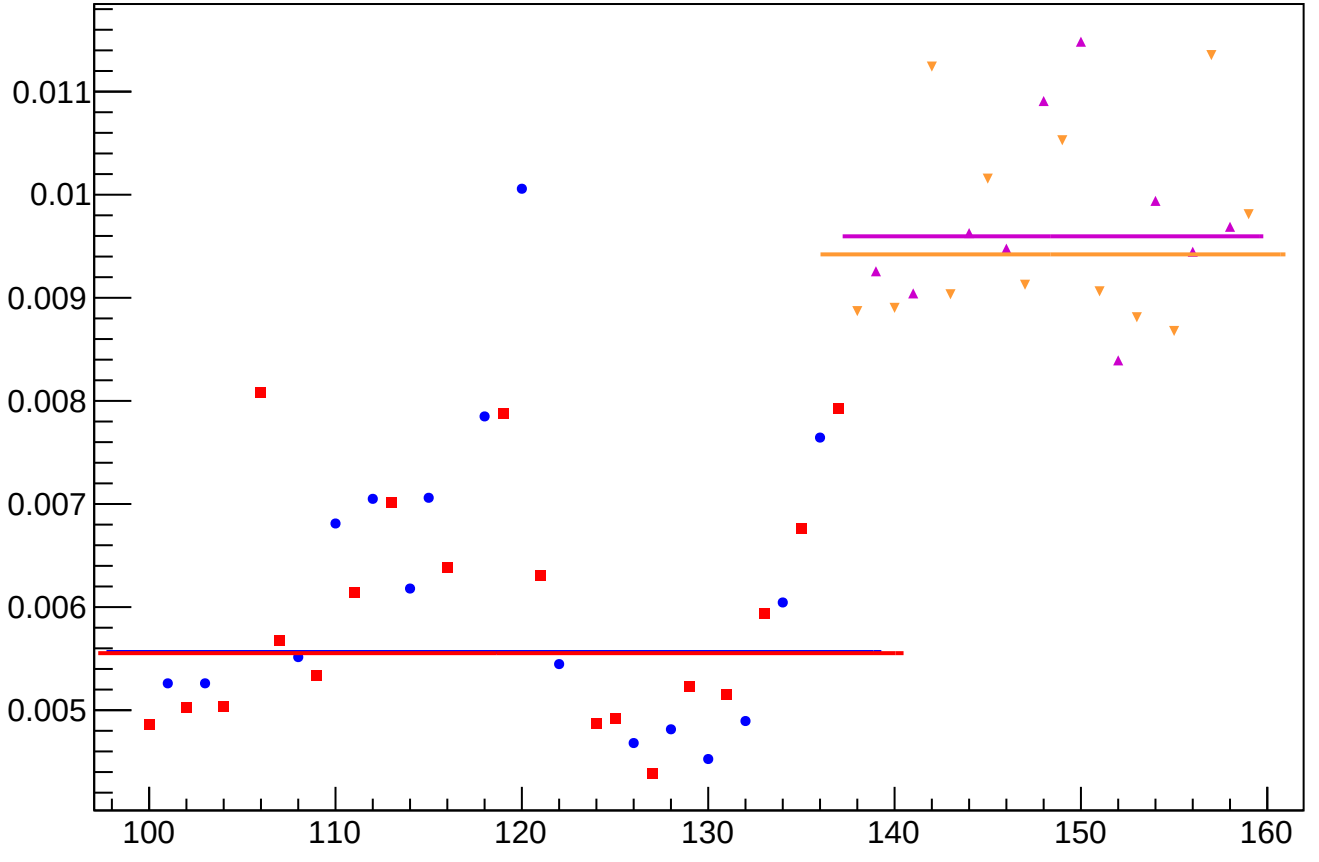
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.197+/-0.000 χ^2/NDF:109011894325.3/25

Out: -6.206+/-0.000 χ^2/NDF:128384974180.5/30

All: -6.202+/-0.000 χ^2/NDF: 237409953519.

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:106424.4/11

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91882.2/9

Left: 0.010+/-0.000 χ^2/NDF: 200609.5/21

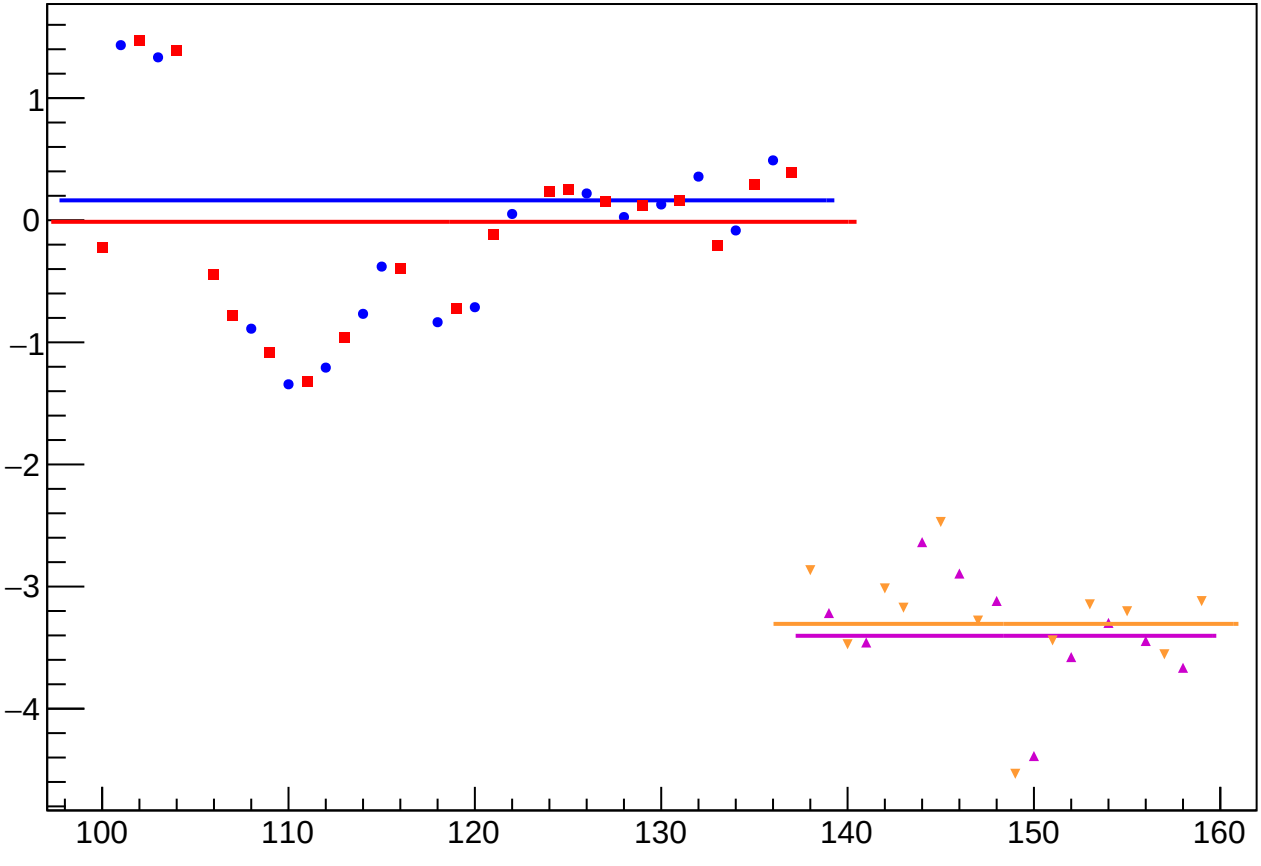
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2284456.6/25

Out: 0.007+/-0.000 χ^2/NDF:2200892.3/30

All: 0.007+/-0.000 χ^2/NDF: 4485386.8/56

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.305+/-0.000 χ^2/NDF:6610888094.3/11

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.403+/-0.000 χ^2/NDF:5005821992.3/9

Left: -3.351+/-0.000 χ^2/NDF: 11744977622.4/21

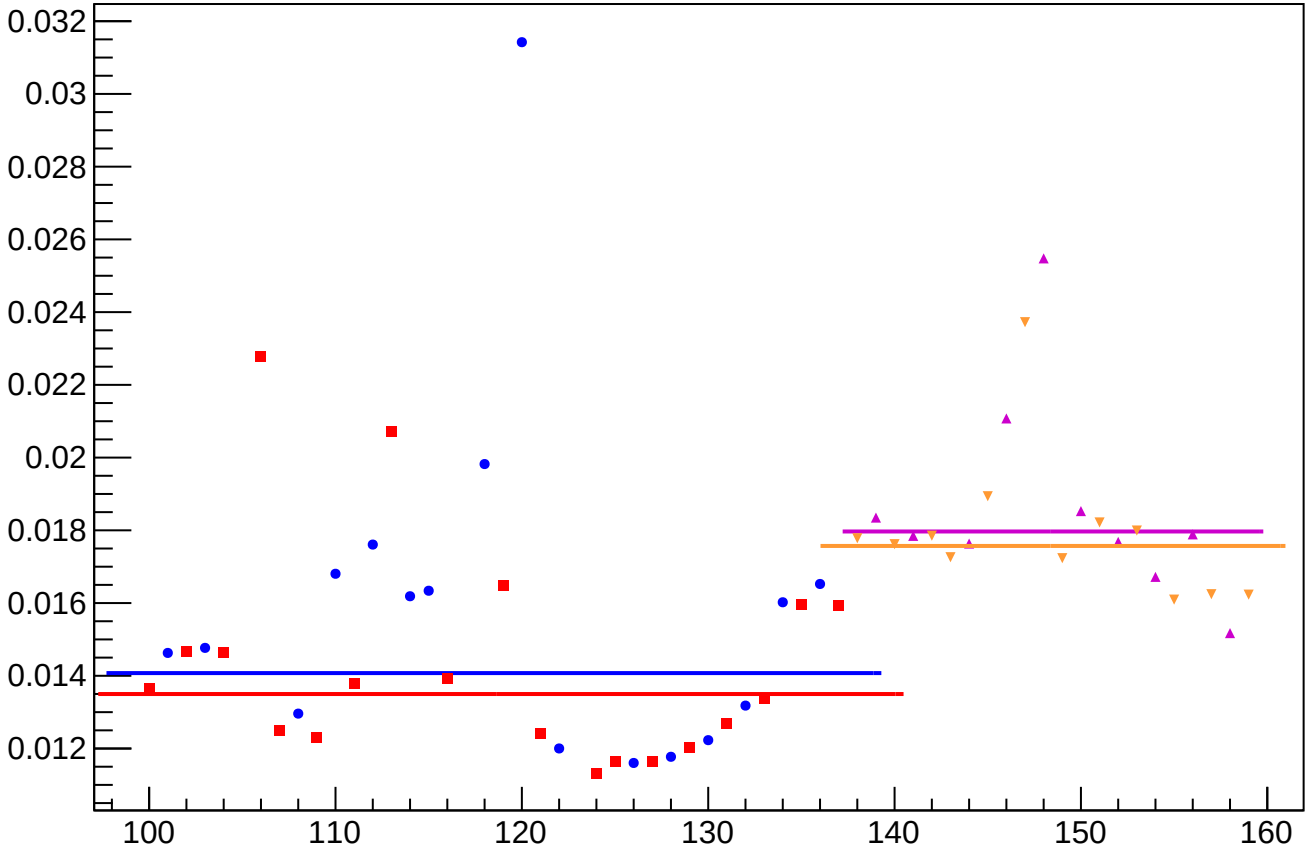
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.409+/-0.000 χ^2/NDF:201366992003.5/25

Out: -1.456+/-0.000 χ^2/NDF:205723176382.1/30

All: -1.434+/-0.000 χ^2/NDF: 407156890774.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:148656.2/11

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:236392.8/9

Left: 0.018+/-0.000 χ^2/NDF: 389305.9/21

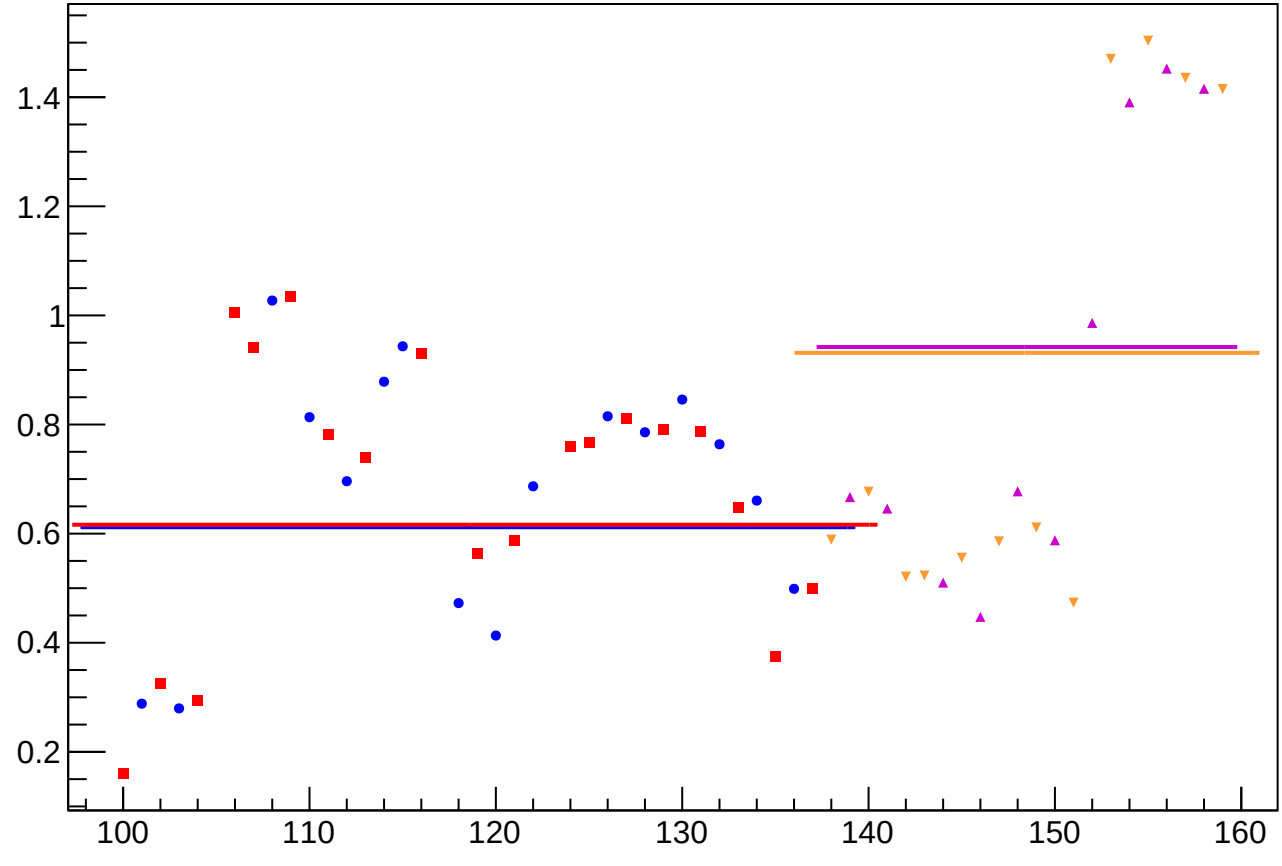
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1127358.2/25

Out: 0.015+/-0.000 χ^2/NDF:1003784.2/30

All: 0.016+/-0.000 χ^2/NDF: 2146926.9/56

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.931+/-0.000 χ^2/NDF:22840309528.2/11

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.942+/-0.000 χ^2/NDF:17588959181.6/9

Left: 0.937+/-0.000 χ^2/NDF: 40436074071.1/21

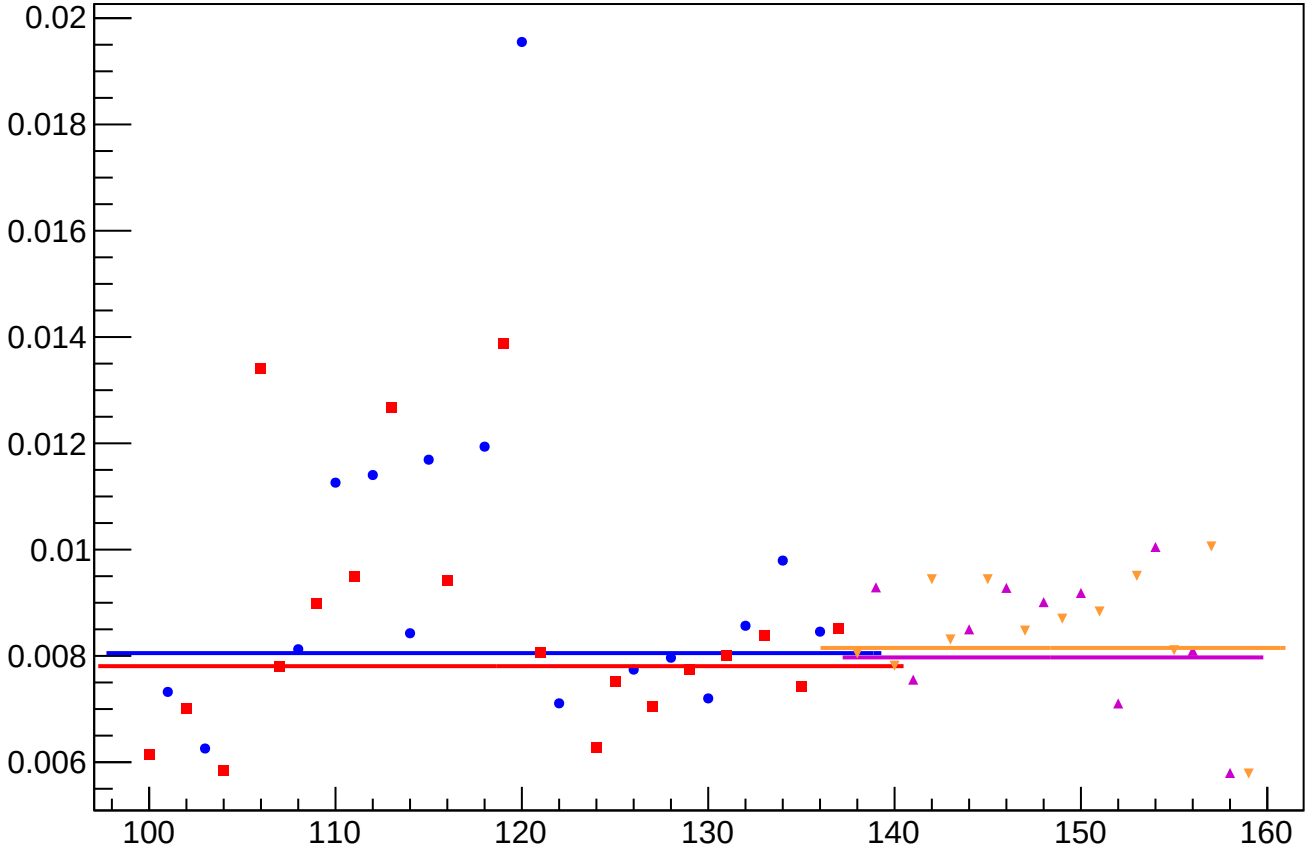
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.795+/-0.000 χ^2/NDF:28948801897.9/25

Out: 0.786+/-0.000 χ^2/NDF:34876037333.2/30

All: 0.790+/-0.000 χ^2/NDF: 63834420005.7/5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:399146.2/11

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:430202.4/9

Left: 0.008+/-0.000 χ^2/NDF: 833170.0/21

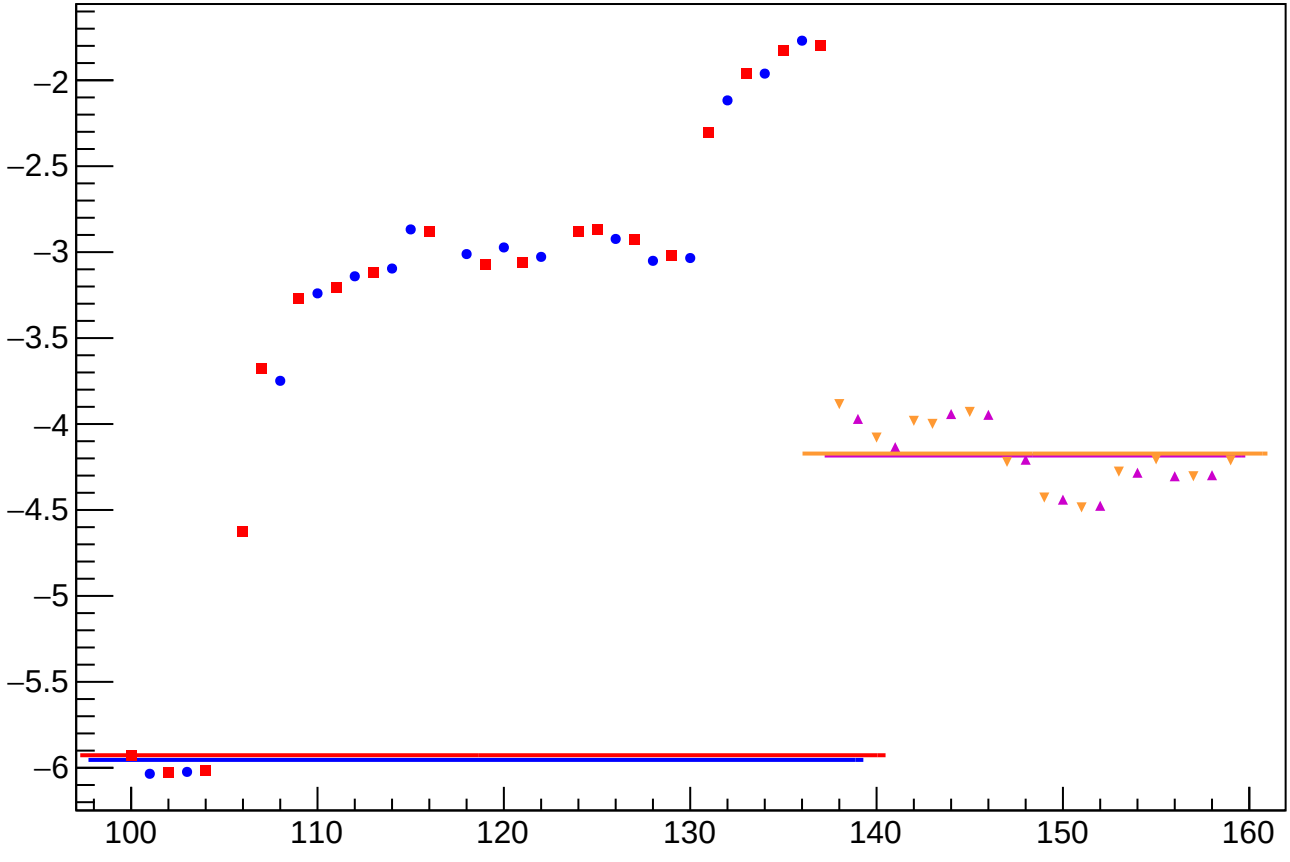
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1029202.5/25

Out: 0.008+/-0.000 χ^2/NDF:999599.7/30

All: 0.008+/-0.000 χ^2/NDF: 2028860.0/56

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.172+/-0.000 χ^2/NDF:51216097.3/11

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.183+/-0.000 χ^2/NDF:37391272.3/9

Left: -4.178+/-0.000 χ^2/NDF: 88684571.1/21

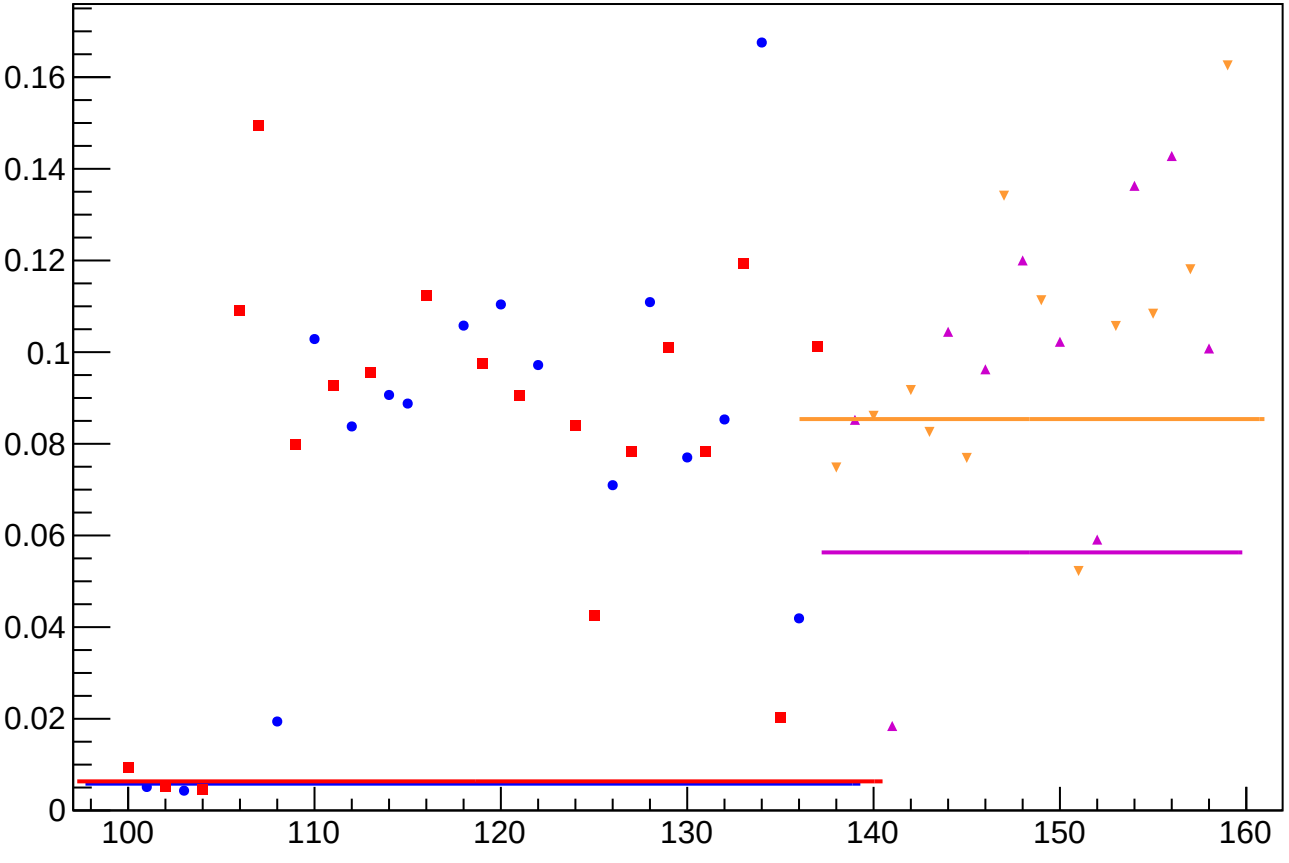
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.908+/-0.000 χ^2/NDF:17360144696.7/25

Out: -5.885+/-0.000 χ^2/NDF:17073193815.3/30

All: -5.898+/-0.000 χ^2/NDF: 34445563037.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.085+/-0.000 χ^2/NDF:1335178.1/11

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.056+/-0.000 χ^2/NDF:4730208.6/9

Left: 0.069+/-0.000 χ^2/NDF: 7065048.5/21

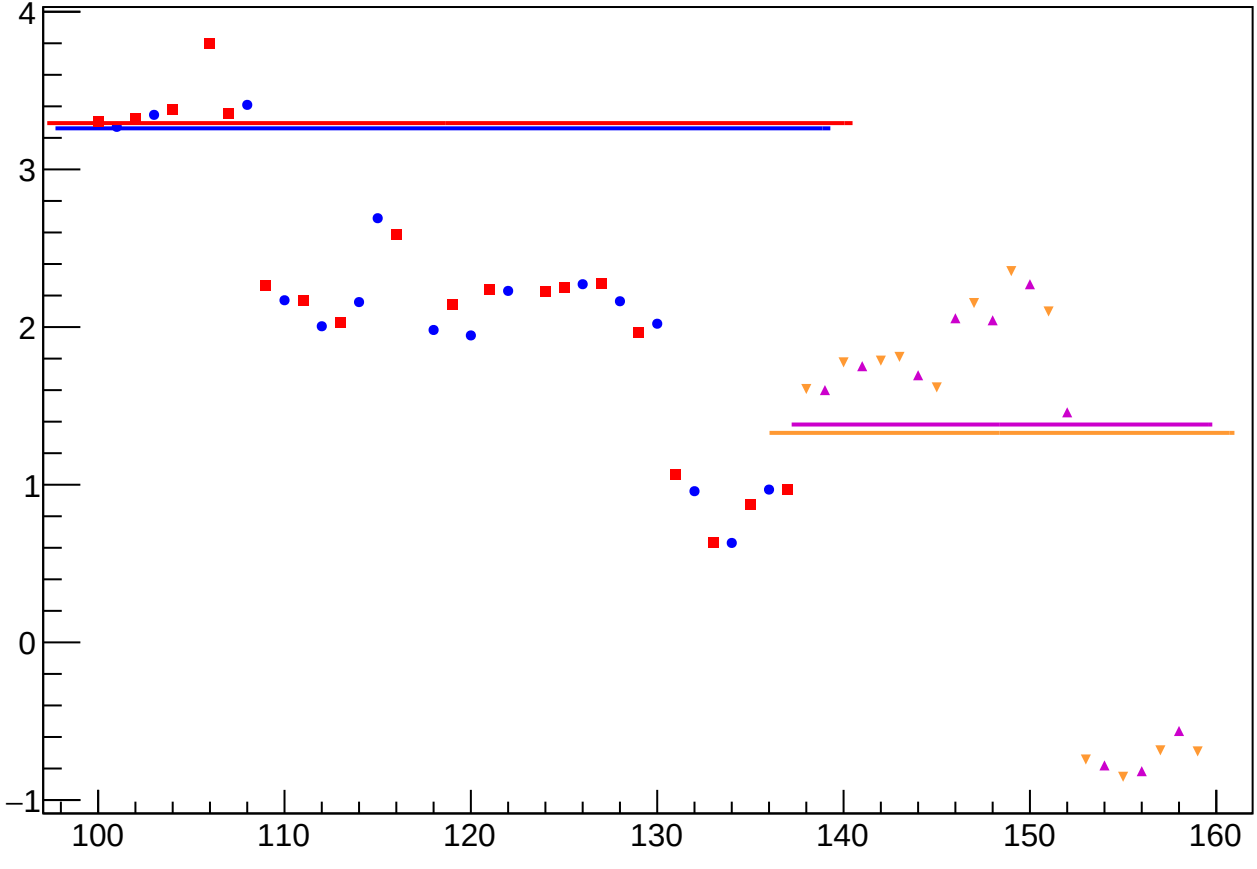
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:20289071.3/25

Out: 0.008+/-0.000 χ^2/NDF:22661887.4/30

All: 0.008+/-0.000 χ^2/NDF: 43004740.4/56

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.329+/-0.000 χ^2/NDF:1078371602.8/11

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.382+/-0.000 χ^2/NDF:735253074.2/9

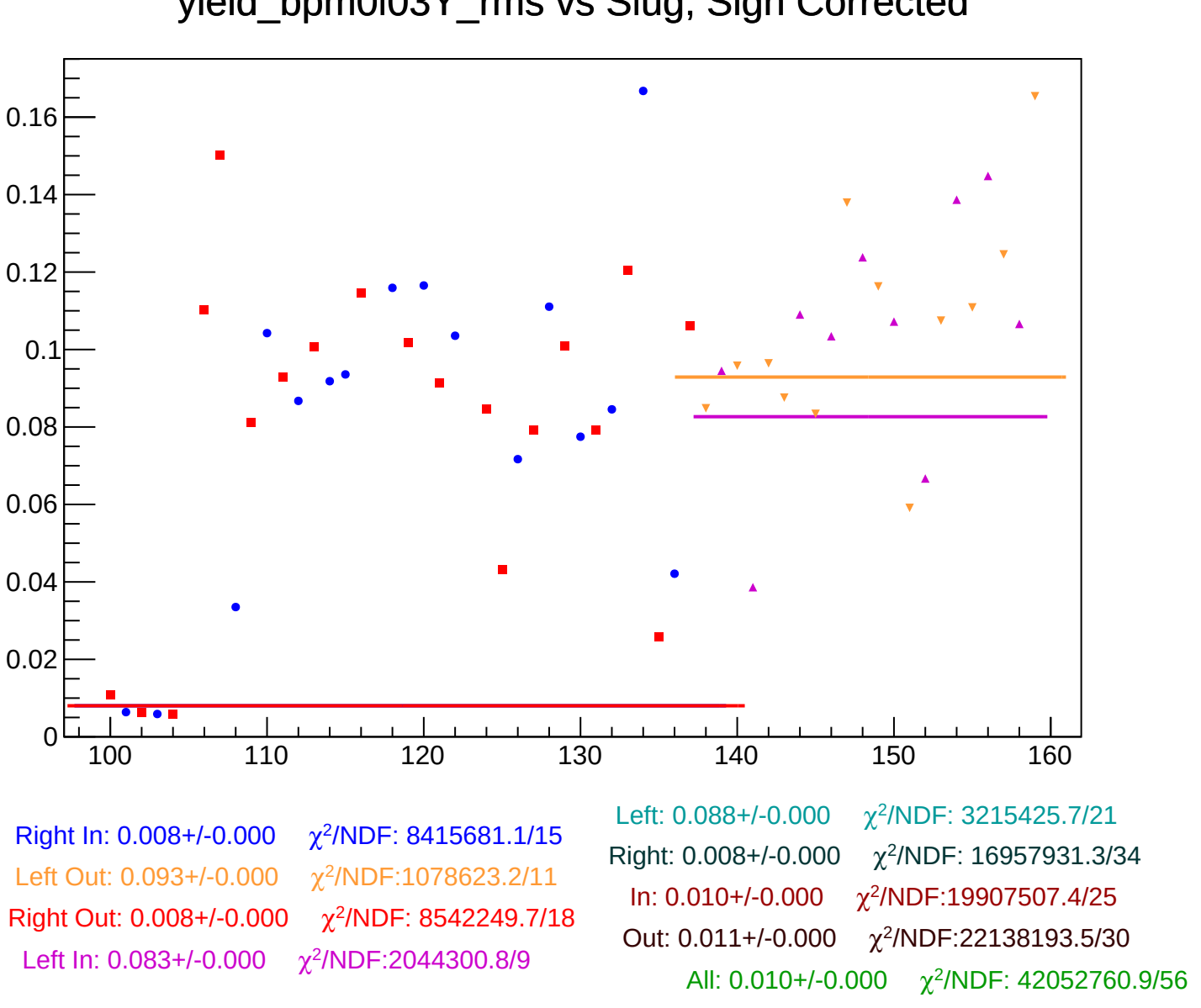
Left: 1.355+/-0.000 χ^2/NDF: 1814865460.8/21

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

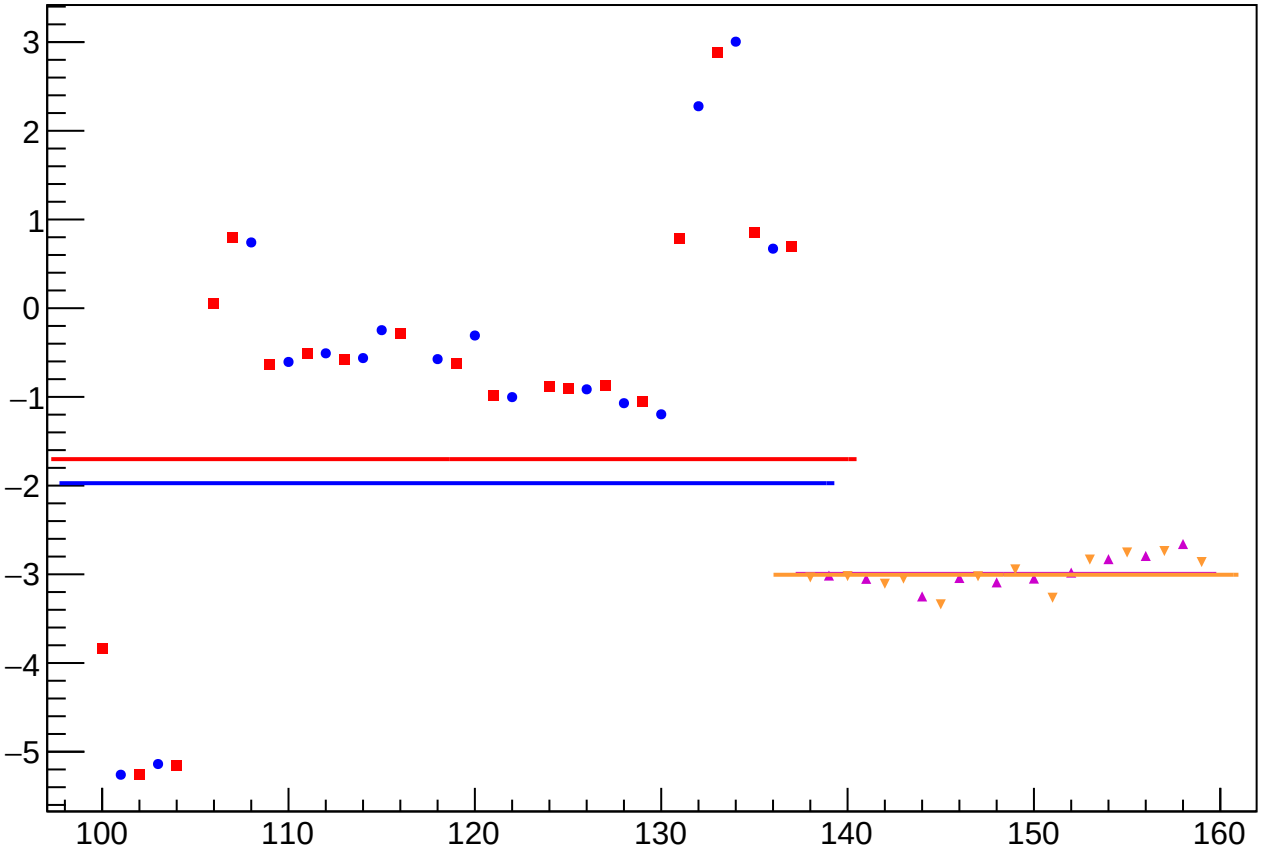
In: 3.209+/-0.000 χ^2/NDF:6737764067.2/25

Out: 3.235+/-0.000 χ^2/NDF:7676460552.4/30

All: 3.222+/-0.000 χ^2/NDF: 14424828843.9/5


yield_bpm0l03Y_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
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.093+/-0.000 χ²/NDF:1078623.2/11
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.083+/-0.000 χ²/NDF:2044300.8/9
Left: 0.088+/-0.000 χ²/NDF: 3215425.7/21
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.010+/-0.000 χ²/NDF:19907507.4/25
Out: 0.011+/-0.000 χ²/NDF:22138193.5/30
All: 0.010+/-0.000 χ²/NDF: 42052760.9/56

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.005+/-0.000 χ^2/NDF:4189302087.8/11

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.995+/-0.000 χ^2/NDF:2976975390.1/9

Left: -3.000+/-0.000 χ^2/NDF: 7172303004.9/21

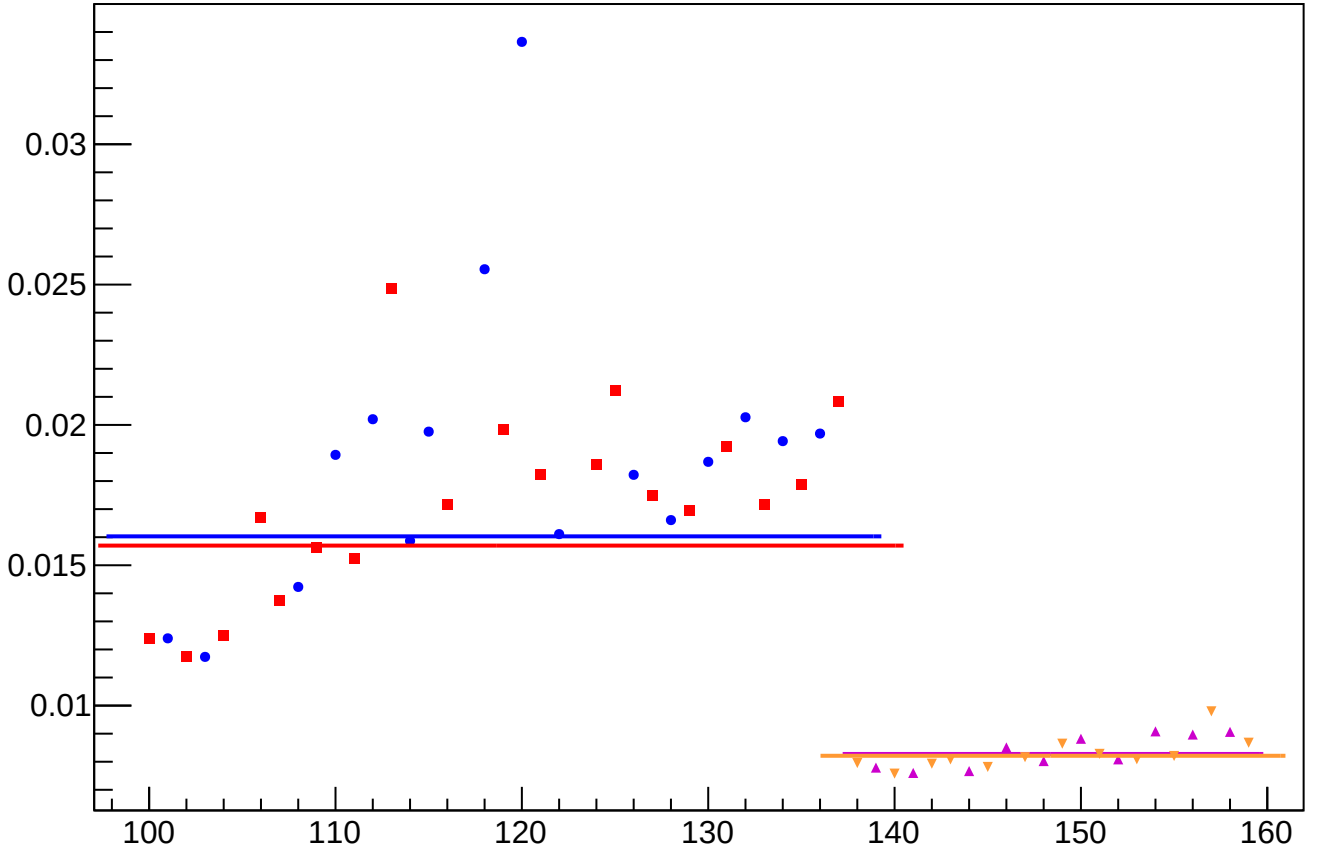
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.833+/-0.000 χ^2/NDF:184880983035.2/25

Out: -2.794+/-0.000 χ^2/NDF:209112995965.5/30

All: -2.812+/-0.000 χ^2/NDF: 394110755886.9

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:67221.4/11

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:75683.6/9

Left: 0.008+/-0.000 χ^2/NDF: 143432.5/21

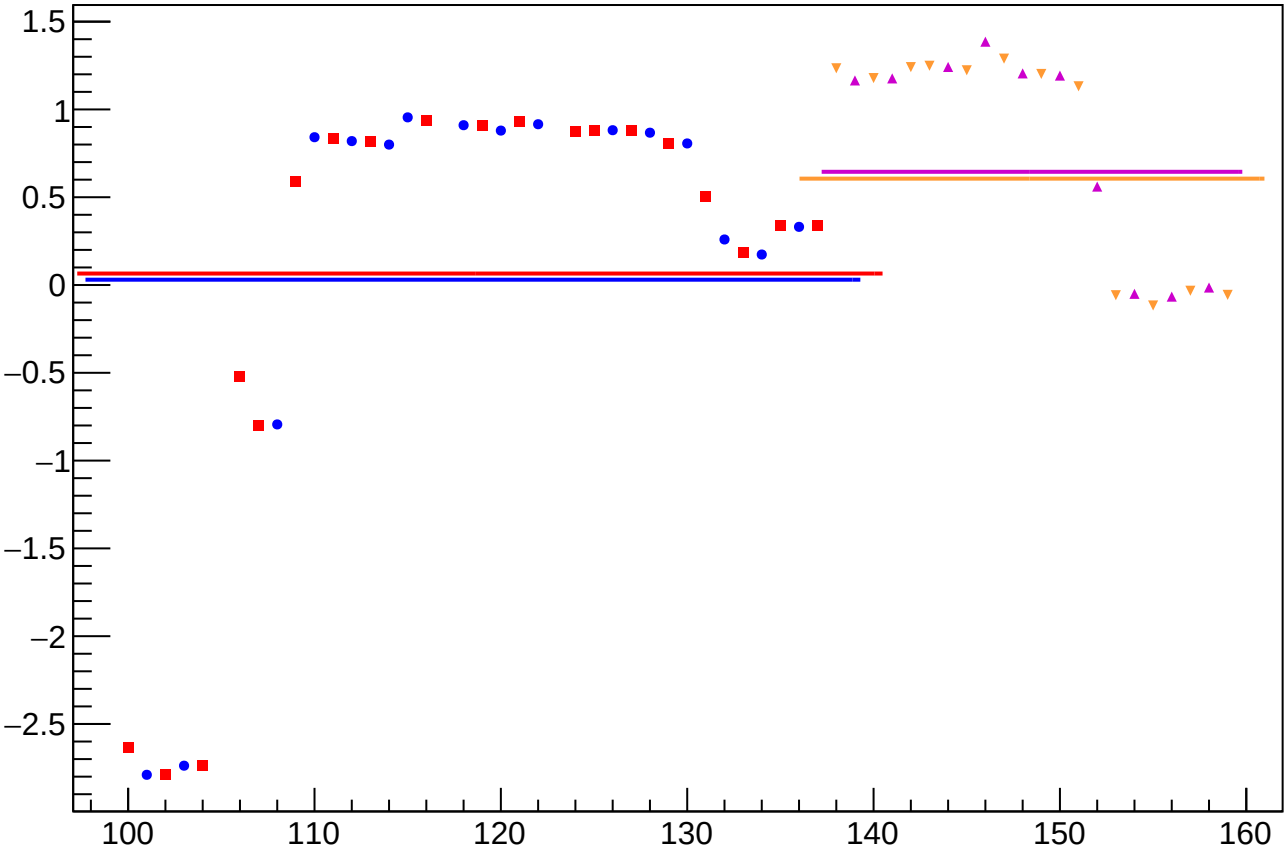
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3103107.2/25

Out: 0.009+/-0.000 χ^2/NDF:2999675.7/30

All: 0.009+/-0.000 χ^2/NDF: 6103748.6/56

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.606+/-0.000 χ^2/NDF:63205187824.8/11

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.645+/-0.000 χ^2/NDF:47073167454.5/9

Left: 0.624+/-0.000 χ^2/NDF: 110387084970.4/21

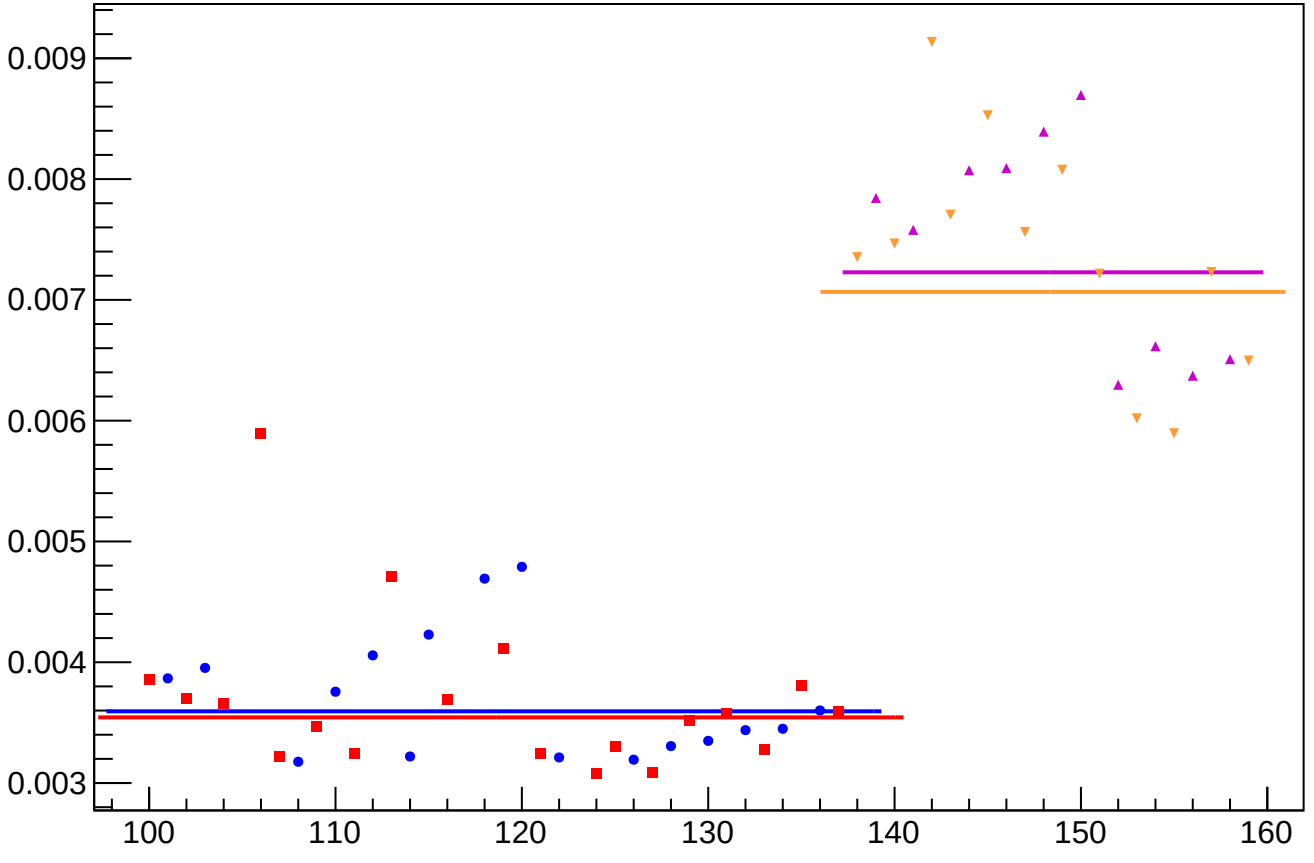
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.157+/-0.000 χ^2/NDF:939232309810.6/25

Out: 0.181+/-0.000 χ^2/NDF:1033771907181.2/30

All: 0.170+/-0.000 χ^2/NDF: 1973211655518.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:230479.3/11

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:199644.3/9

Left: 0.007+/-0.000 χ^2/NDF: 433896.1/21

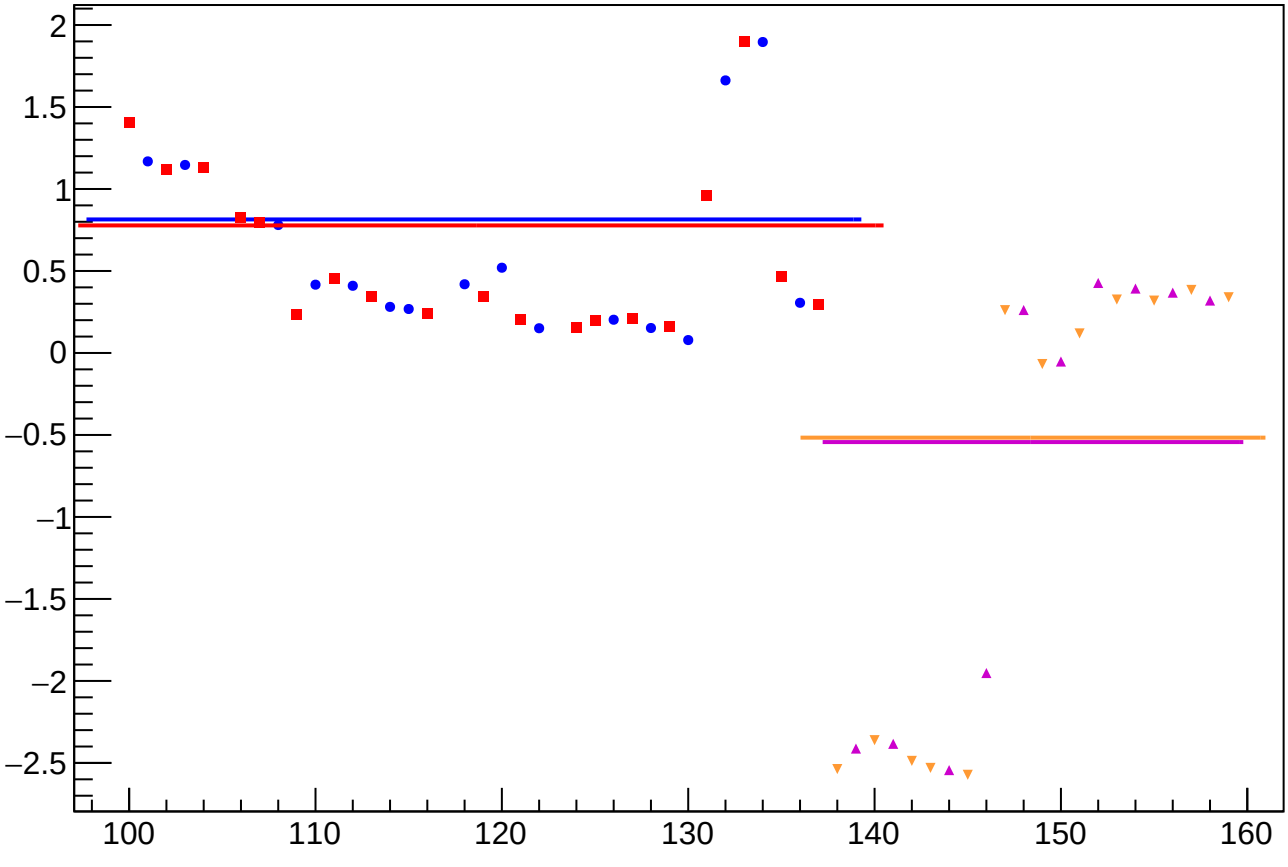
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3212014.4/25

Out: 0.004+/-0.000 χ^2/NDF:3435888.3/30

All: 0.004+/-0.000 χ^2/NDF: 6649111.9/56

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.516+/-0.000 χ^2/NDF:317945171109.7/11

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.543+/-0.000 χ^2/NDF:273565801268.8/9

Left: -0.529+/-0.000 χ^2/NDF: 591581647458.9/21

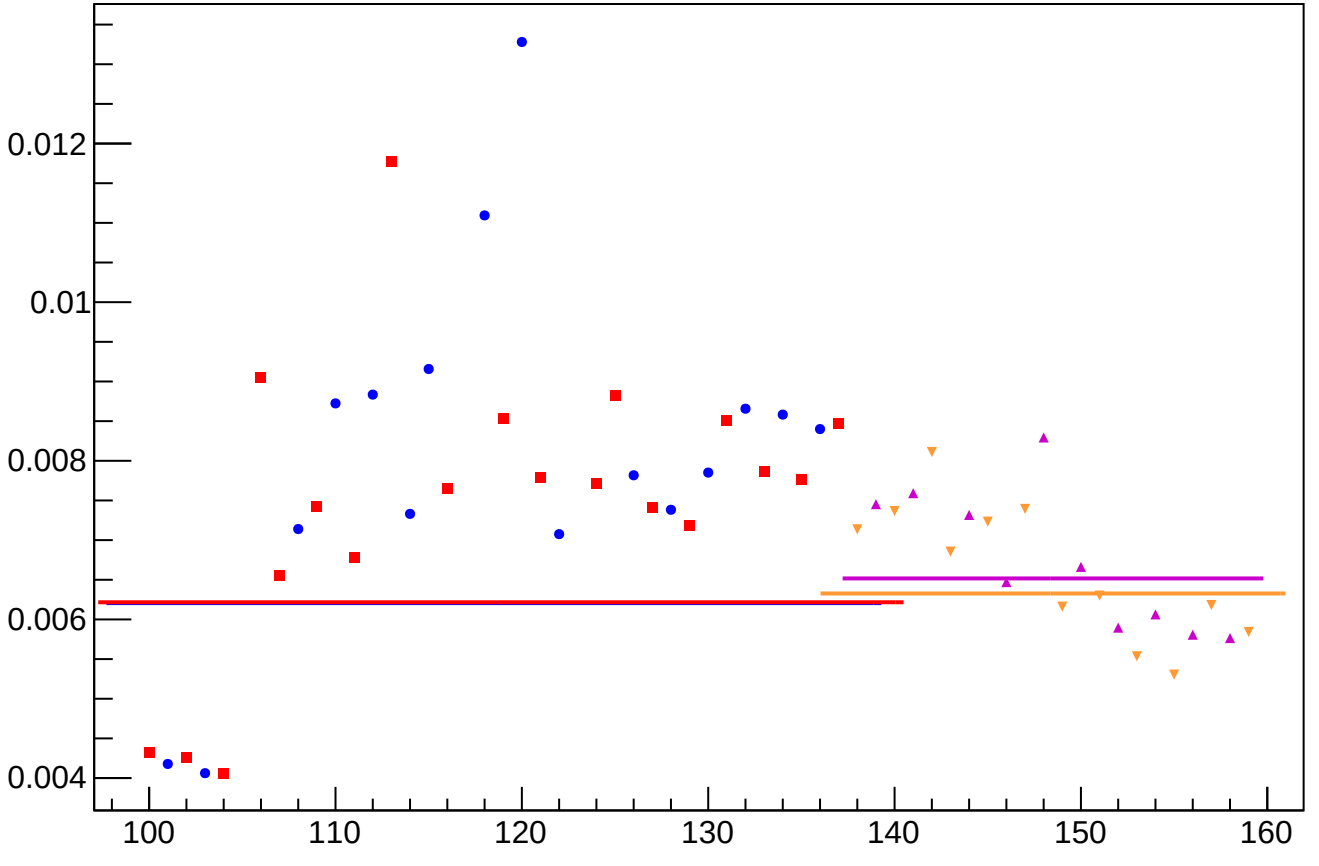
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.059+/-0.000 χ^2/NDF:456959817346.8/25

Out: 0.039+/-0.000 χ^2/NDF:501265565647.5/30

All: 0.048+/-0.000 χ^2/NDF: 958296876548.6

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:243591.3/11

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:219392.2/9

Left: 0.006+/-0.000 χ^2/NDF: 469922.6/21

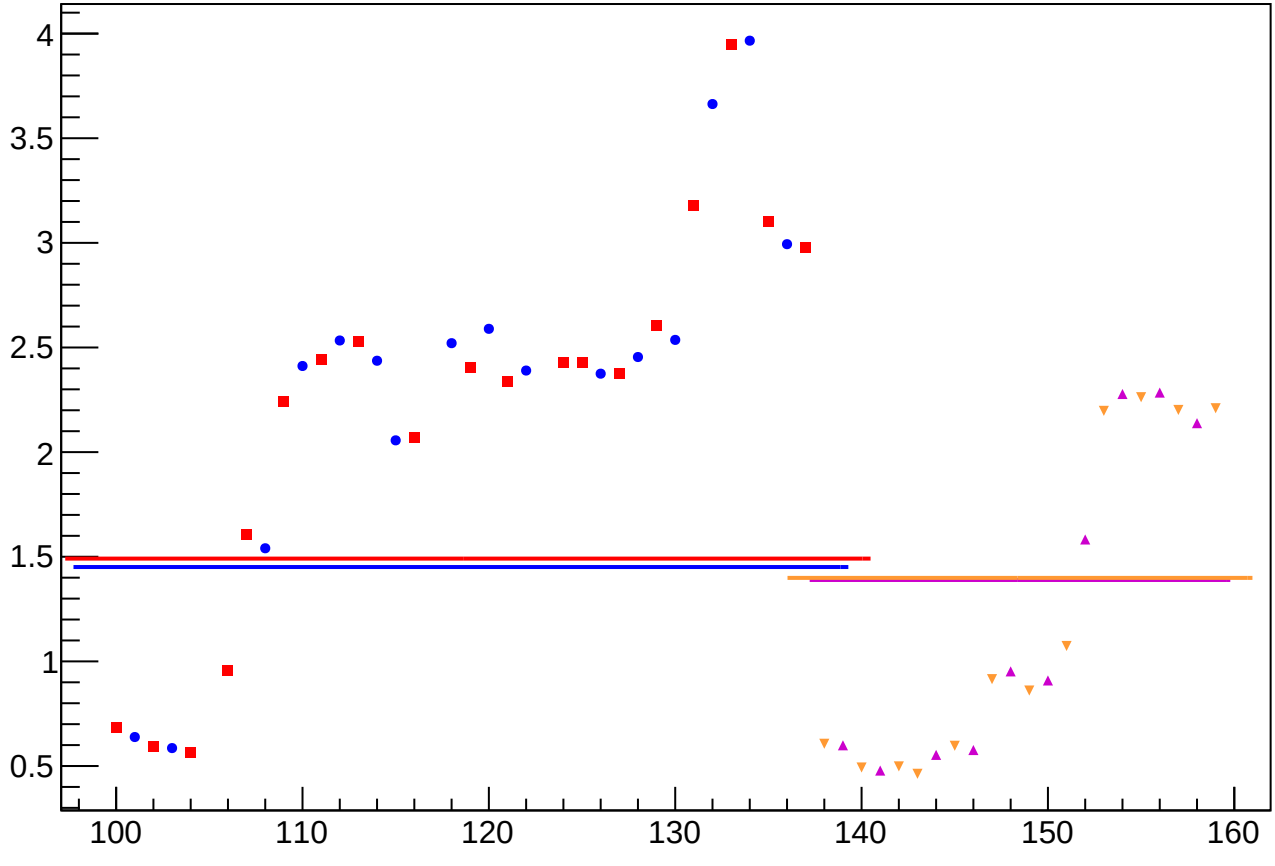
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1658780.9/25

Out: 0.006+/-0.000 χ^2/NDF:1406891.0/30

All: 0.006+/-0.000 χ^2/NDF: 3069046.8/56

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.399+/-0.000 χ^2/NDF:110447138586.3/11

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.389+/-0.000 χ^2/NDF:90901095493.4/9

Left: 1.394+/-0.000 χ^2/NDF: 201357193947.3/21

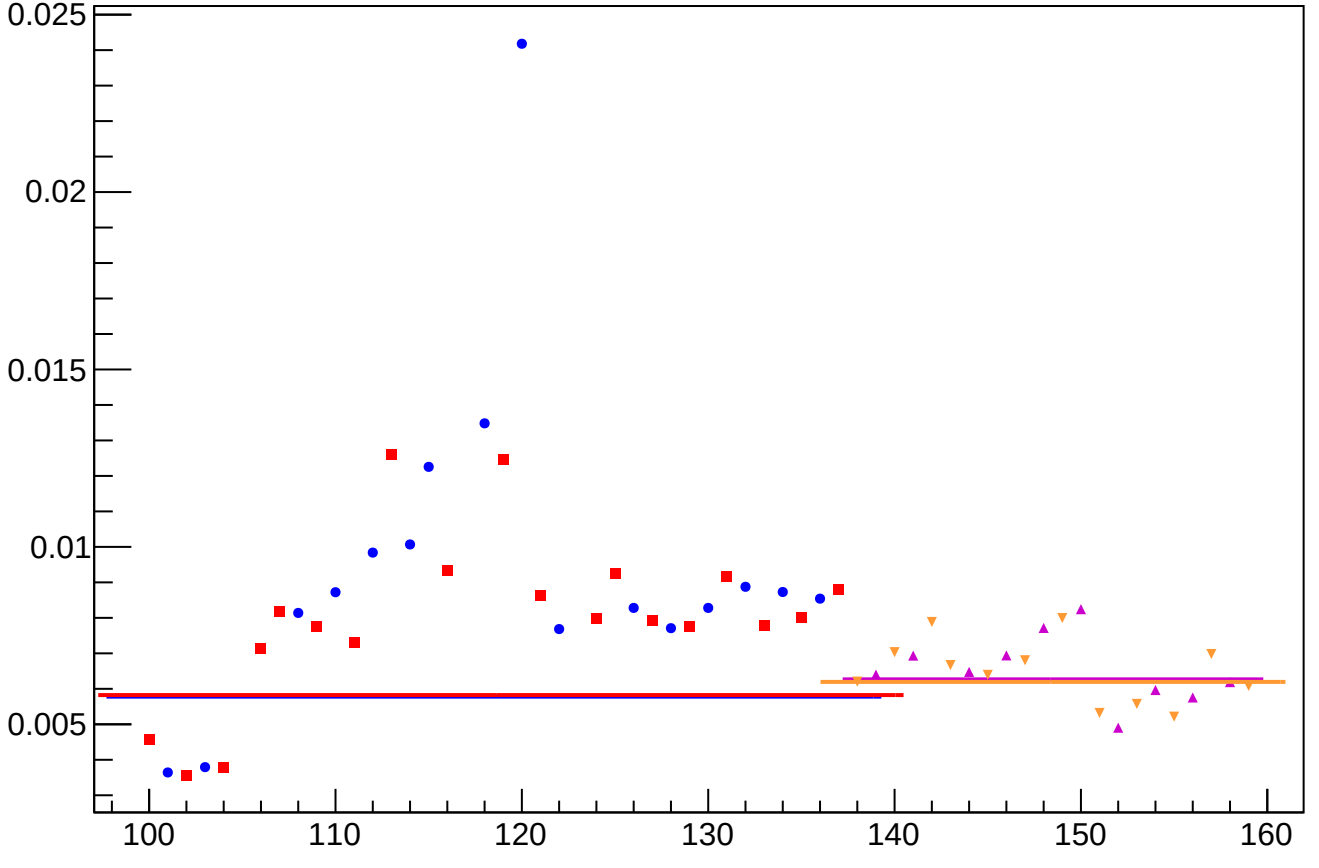
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.418+/-0.000 χ^2/NDF:260842327491.8/25

Out: 1.441+/-0.000 χ^2/NDF:298143393725.7/30

All: 1.430+/-0.000 χ^2/NDF: 559076478449.0

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:250378.6/11

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277049.4/9

Left: 0.006+/-0.000 χ^2/NDF: 528350.4/21

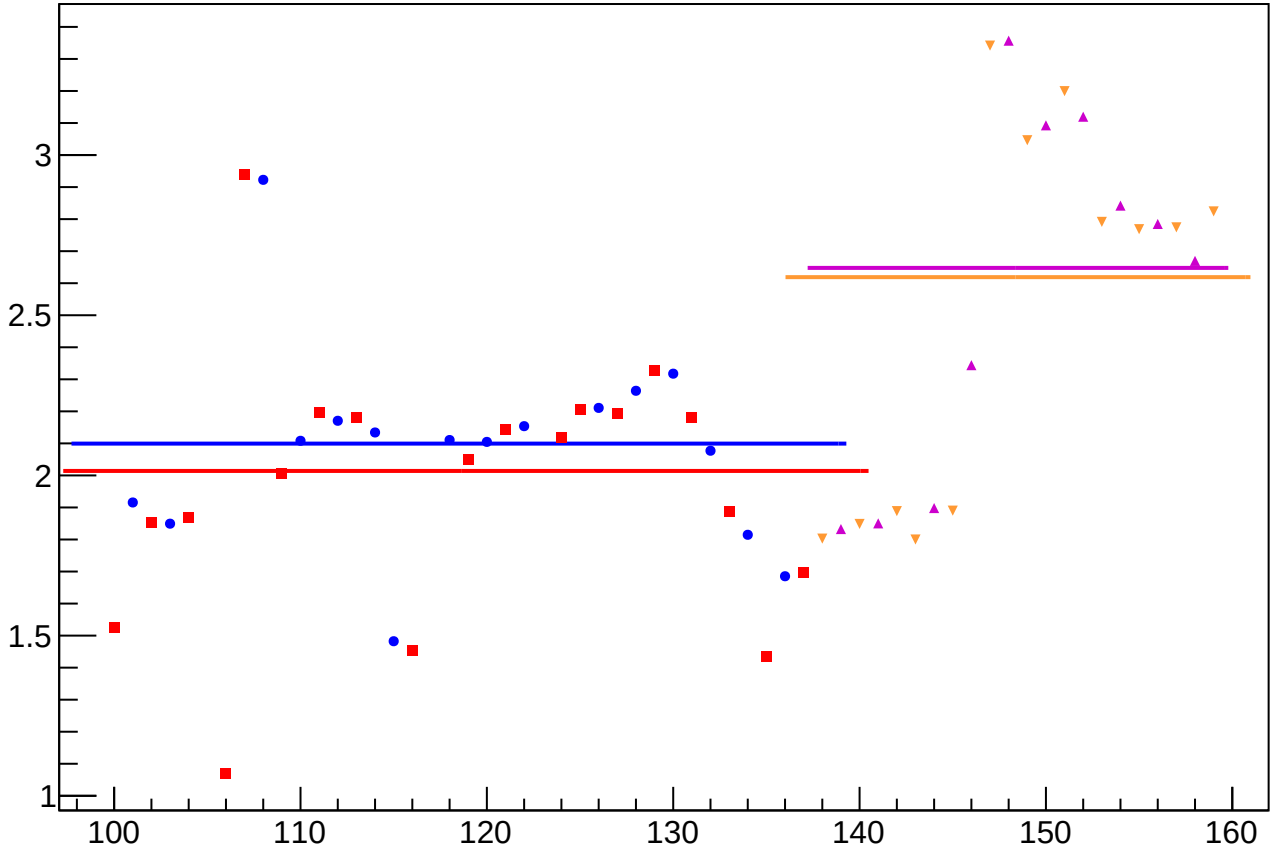
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2528660.3/25

Out: 0.006+/-0.000 χ^2/NDF:2230265.0/30

All: 0.006+/-0.000 χ^2/NDF: 4758993.9/56

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.619+/-0.000 χ^2/NDF:40847103439.5/11

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.648+/-0.000 χ^2/NDF:33237728937.8/9

Left: 2.633+/-0.000 χ^2/NDF: 74138969605.4/21

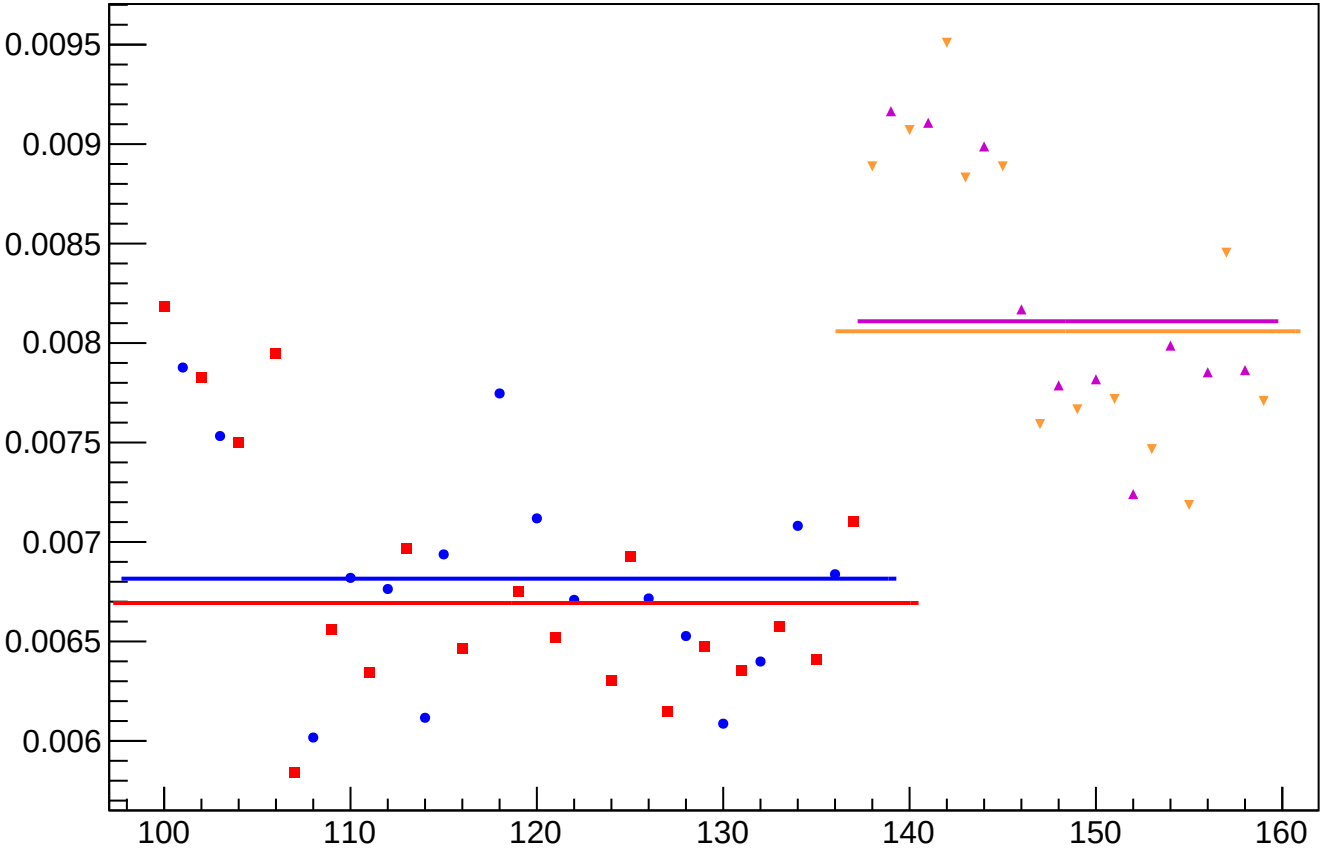
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.351+/-0.000 χ^2/NDF:67420955214.7/25

Out: 2.292+/-0.000 χ^2/NDF:87279755610.7/30

All: 2.320+/-0.000 χ^2/NDF: 155184181234.7

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:127619.9/11

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:89490.8/9

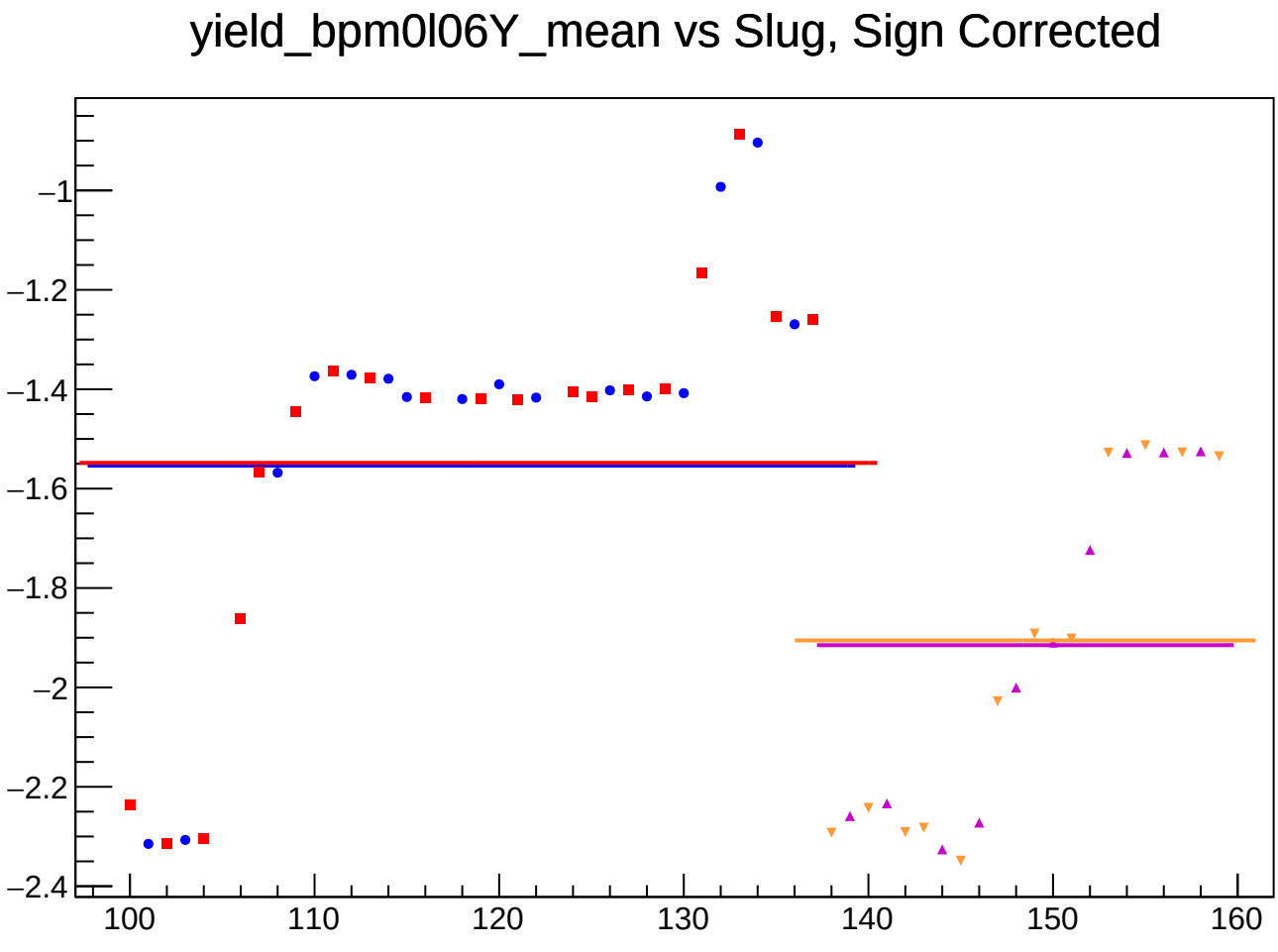
Left: 0.008+/-0.000 χ^2/NDF: 217438.9/21

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:401727.9/25

Out: 0.007+/-0.000 χ^2/NDF:488980.9/30

All: 0.007+/-0.000 χ^2/NDF: 892853.8/56



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.905+/-0.000 χ^2/NDF:96033614723.9/11

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.915+/-0.000 χ^2/NDF:81605805181.5/9

Left: -1.910+/-0.000 χ^2/NDF: 177676888587.8/21

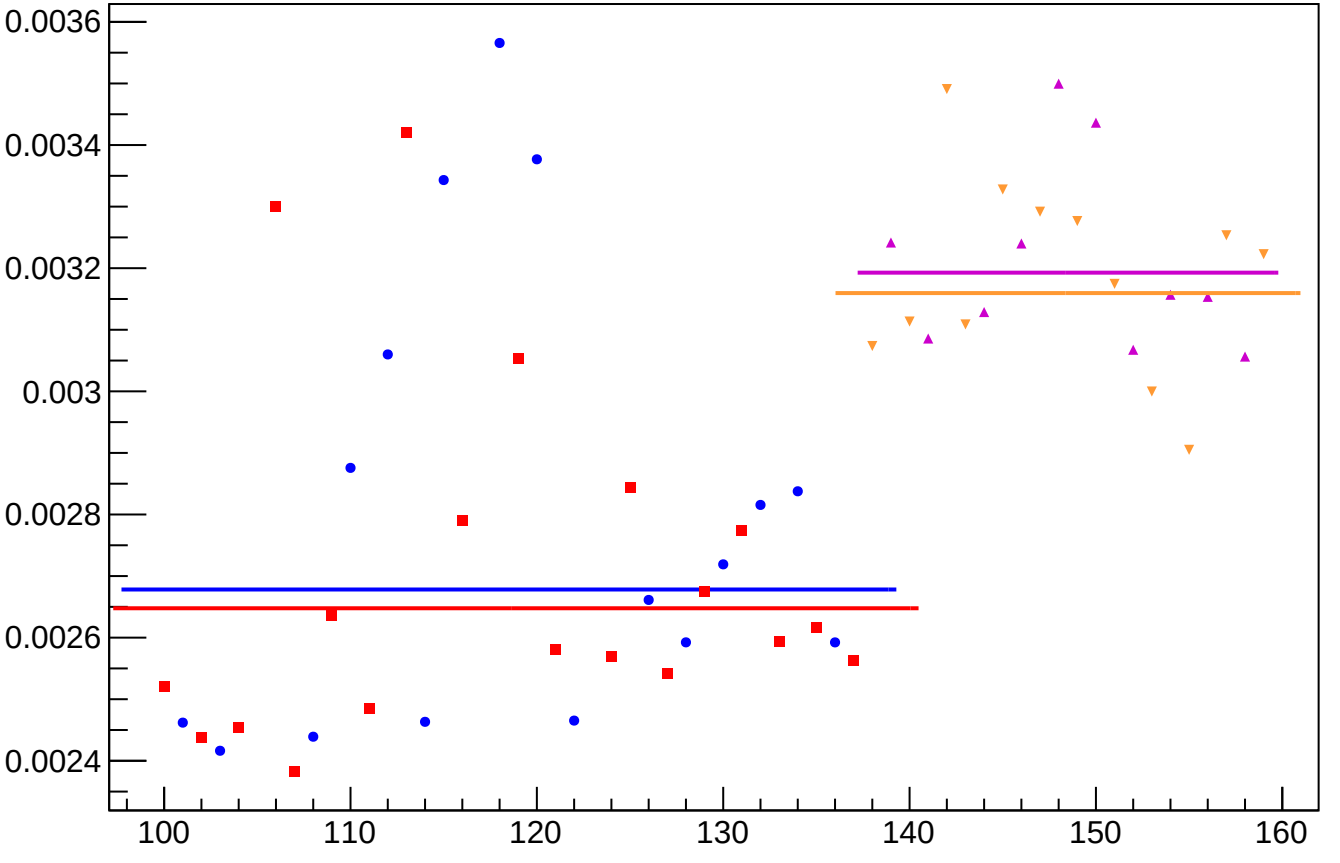
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.718+/-0.000 χ^2/NDF:312245614663.7/25

Out: -1.713+/-0.000 χ^2/NDF:329776561201.2/30

All: -1.715+/-0.000 χ^2/NDF: 642039216597.0

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:35476.4/11

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:29693.1/9

Left: 0.003+/-0.000 χ^2/NDF: 66067.6/21

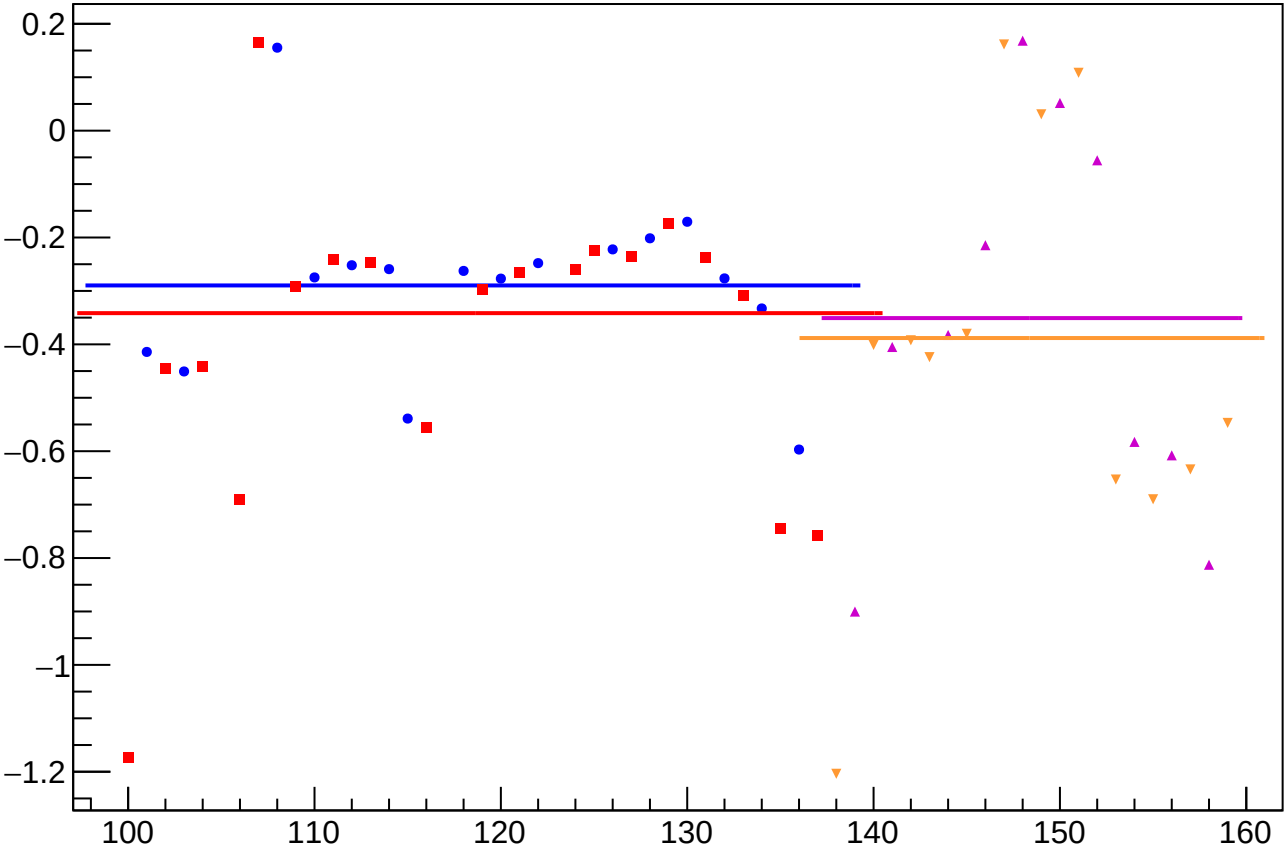
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:412498.0/25

Out: 0.003+/-0.000 χ^2/NDF:393934.5/30

All: 0.003+/-0.000 χ^2/NDF: 807780.1/56

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.388+/-0.000 χ^2/NDF:6924040067.6/11

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.351+/-0.000 χ^2/NDF:5338577210.9/9

Left: -0.370+/-0.000 χ^2/NDF: 12295341472.1/21

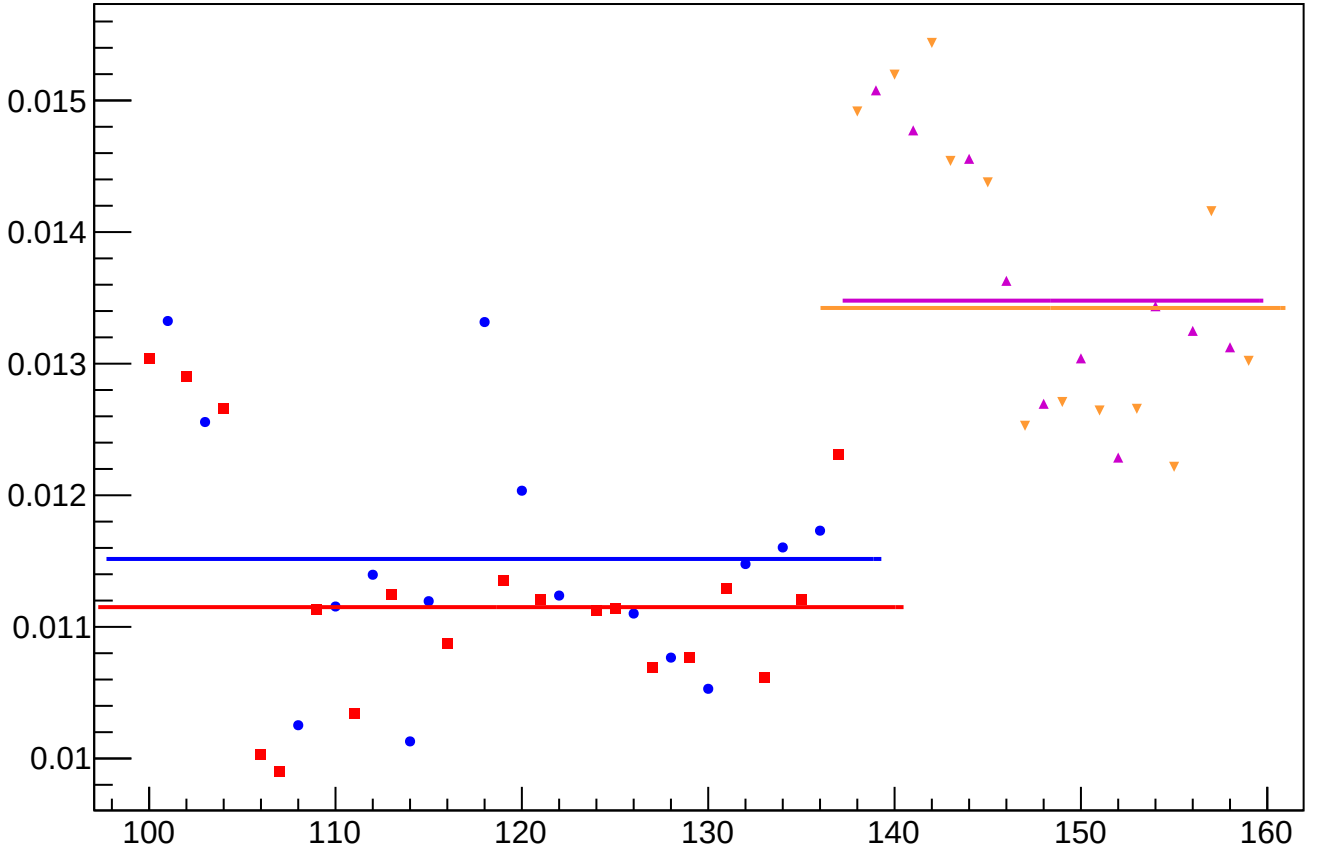
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.318+/-0.000 χ^2/NDF:7073792745.9/25

Out: -0.363+/-0.000 χ^2/NDF:9591259623.7/30

All: -0.342+/-0.000 χ^2/NDF: 16767843170.8/

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:110186.0/11

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:64854.1/9

Left: 0.013+/-0.000 χ^2/NDF: 175185.4/21

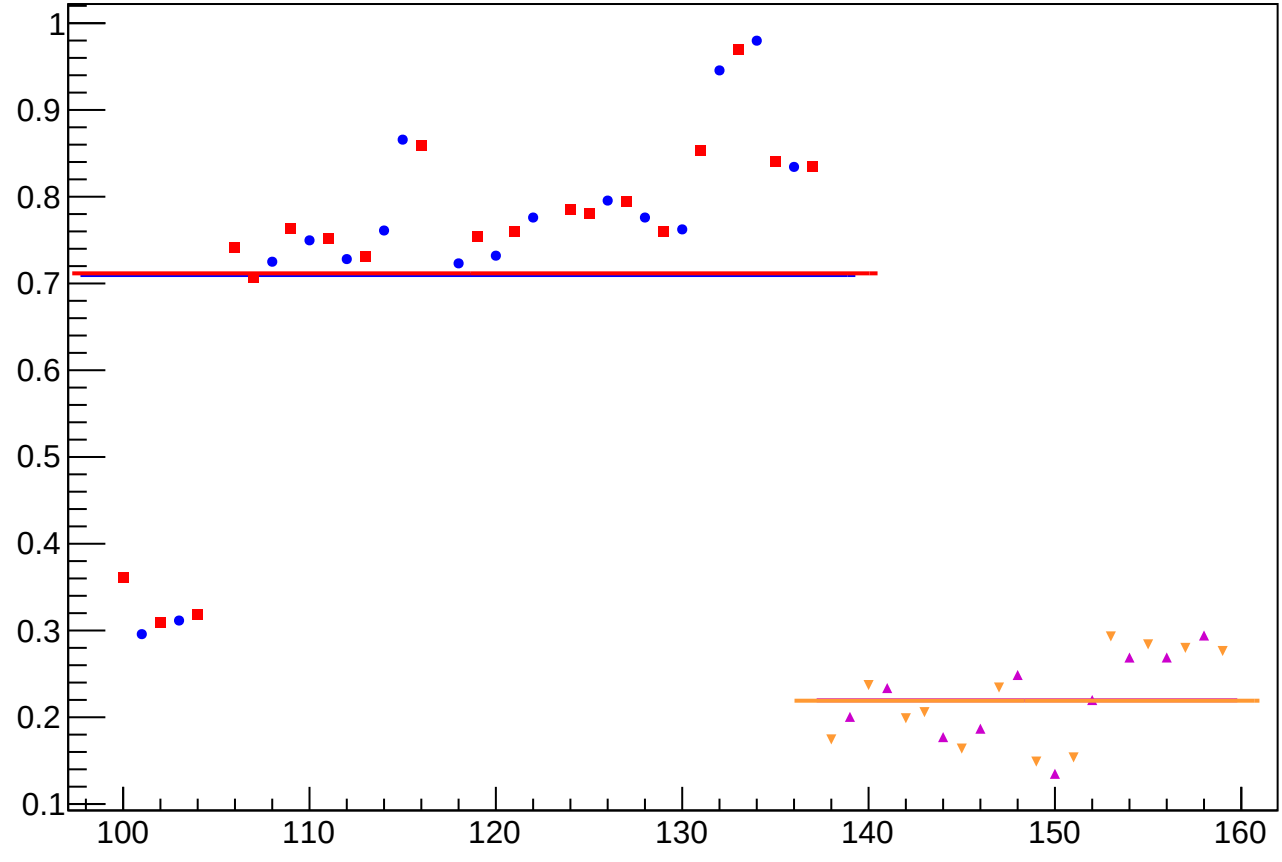
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:334903.6/25

Out: 0.012+/-0.000 χ^2/NDF:456547.1/30

All: 0.012+/-0.000 χ^2/NDF: 797041.4/56

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.219+/-0.000 χ^2/NDF:5135362774.5/11

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.220+/-0.000 χ^2/NDF:3901523341.2/9

Left: 0.219+/-0.000 χ^2/NDF: 9037083603.7/21

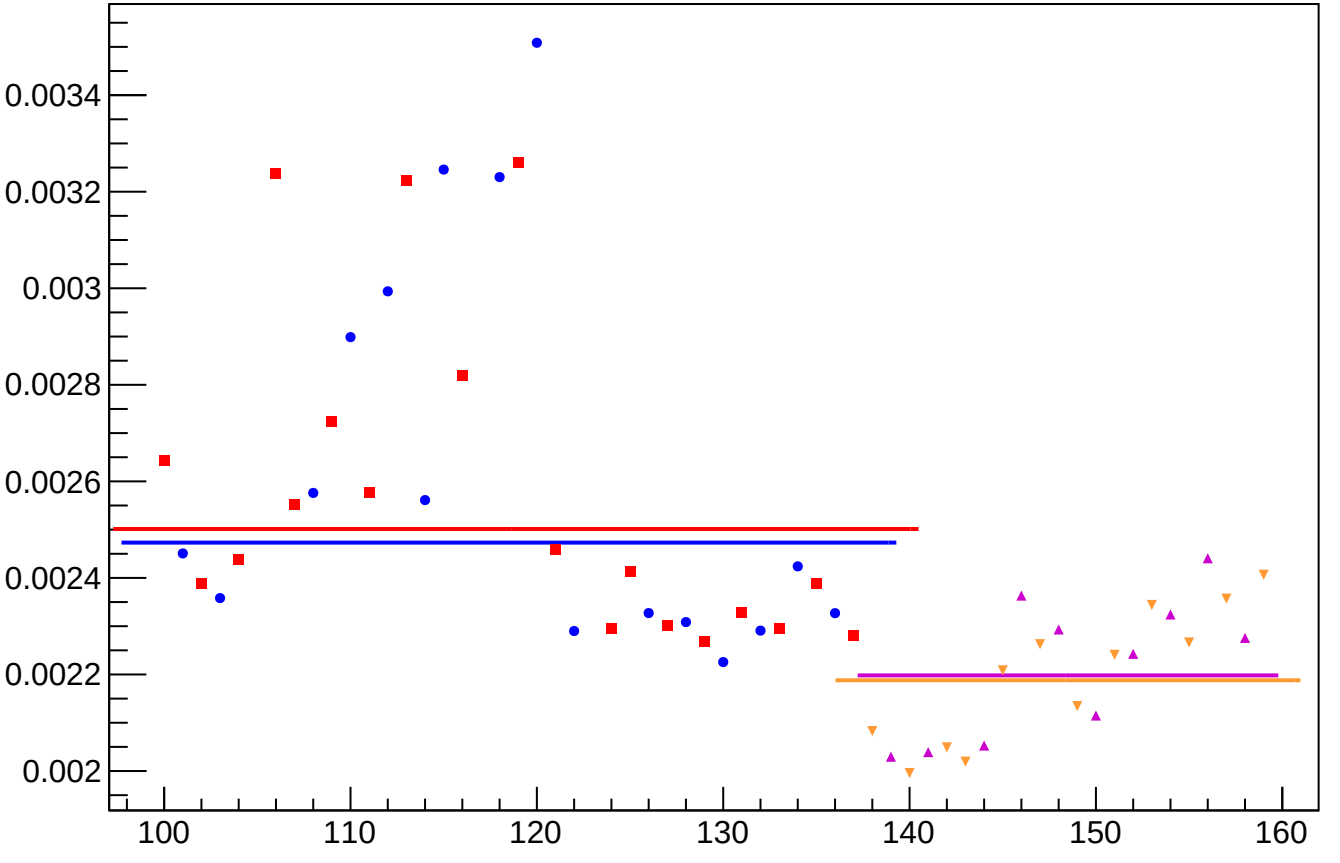
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.409+/-0.000 χ^2/NDF:217352286943.6/25

Out: 0.399+/-0.000 χ^2/NDF:222666097377.2/30

All: 0.403+/-0.000 χ^2/NDF: 440167591789.6

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:70269.8/11

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:69339.8/9

Left: 0.002+/-0.000 χ^2/NDF: 139801.5/21

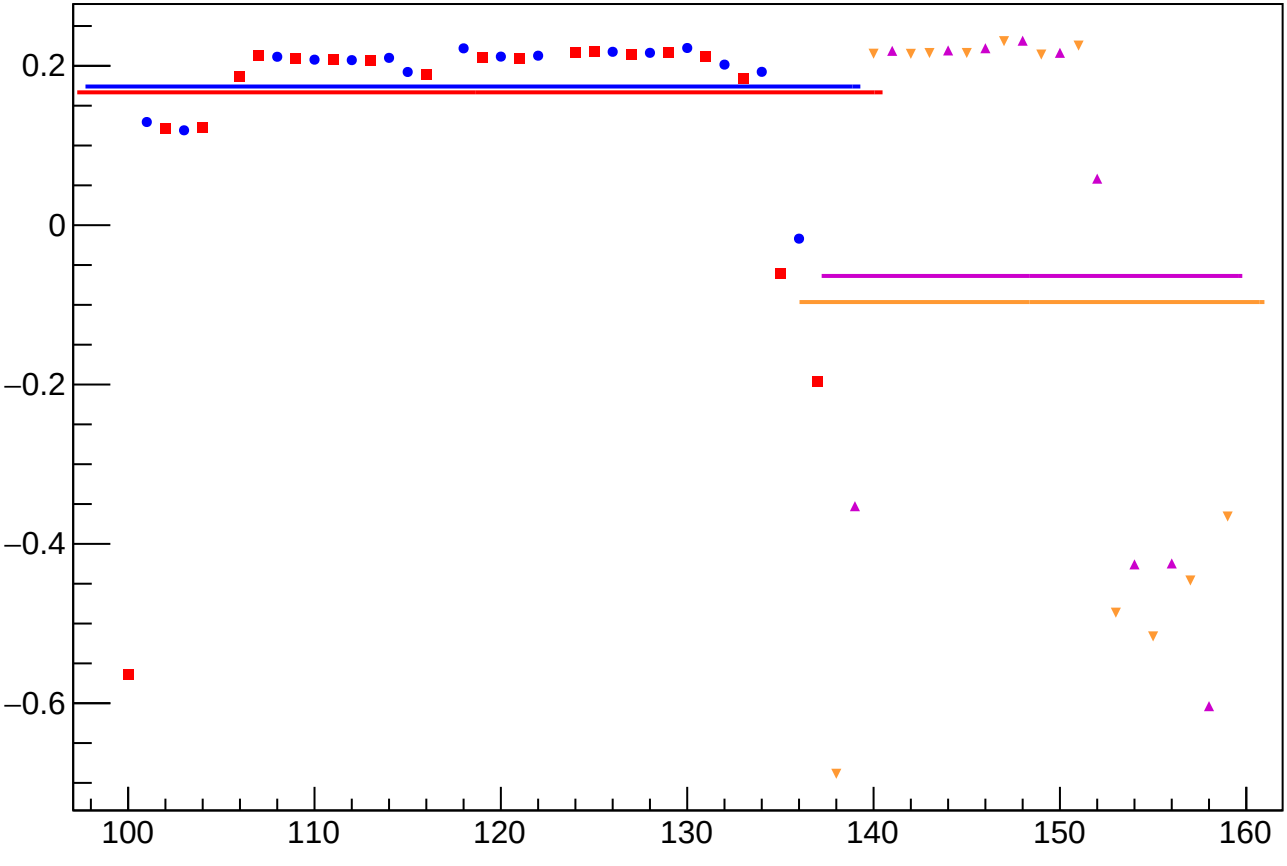
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:381021.0/25

Out: 0.002+/-0.000 χ^2/NDF:388092.0/30

All: 0.002+/-0.000 χ^2/NDF: 769125.0/56

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.096+/-0.000 χ^2/NDF:7748007291.1/11

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.064+/-0.000 χ^2/NDF:5841916280.9/9

Left: -0.081+/-0.000 χ^2/NDF: 13620716811.8/21

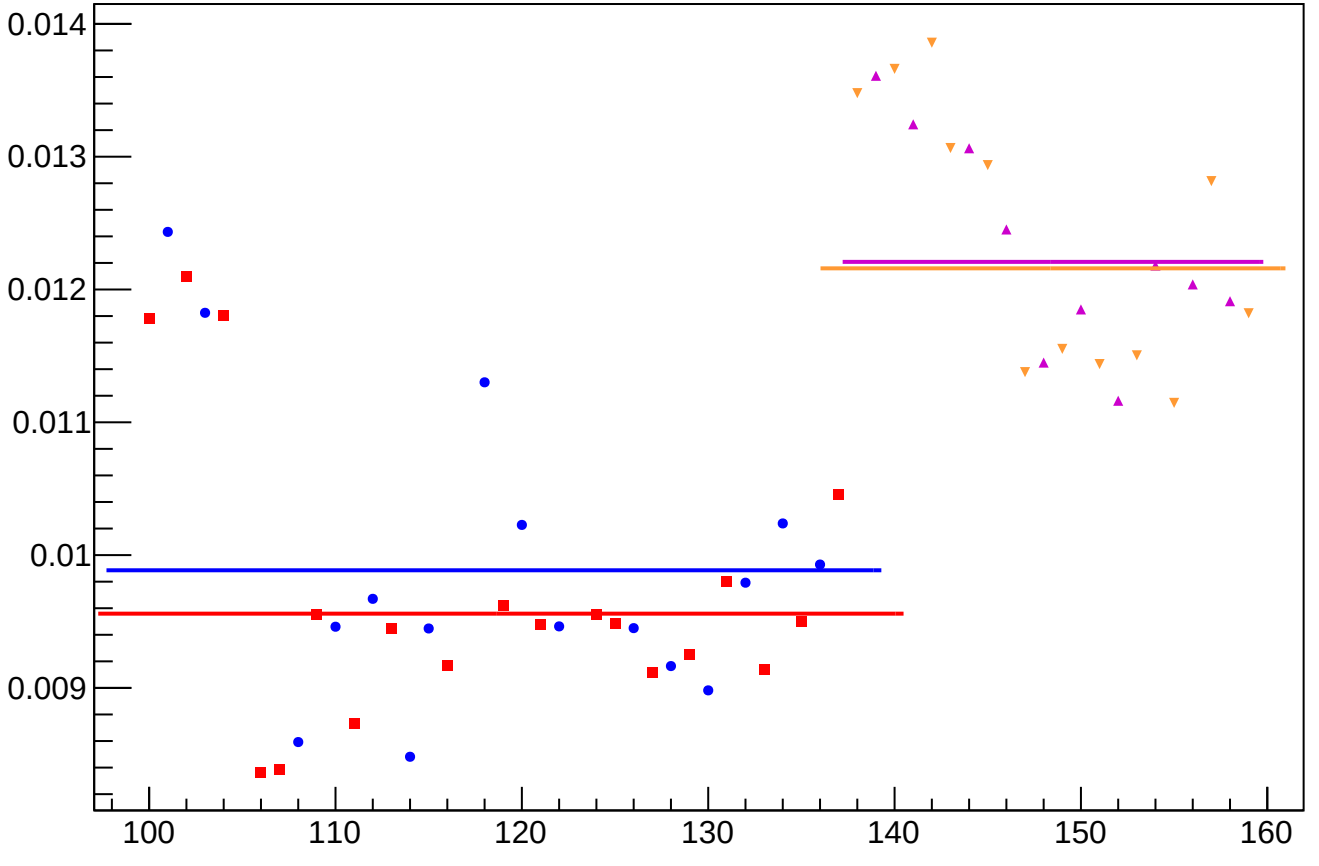
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.070+/-0.000 χ^2/NDF:7983680251.6/25

Out: 0.053+/-0.000 χ^2/NDF:11005794253.2/30

All: 0.061+/-0.000 χ^2/NDF: 19008523104.1/5

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:98710.8/11

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59012.3/9

Left: 0.012+/-0.000 χ^2/NDF: 157859.5/21

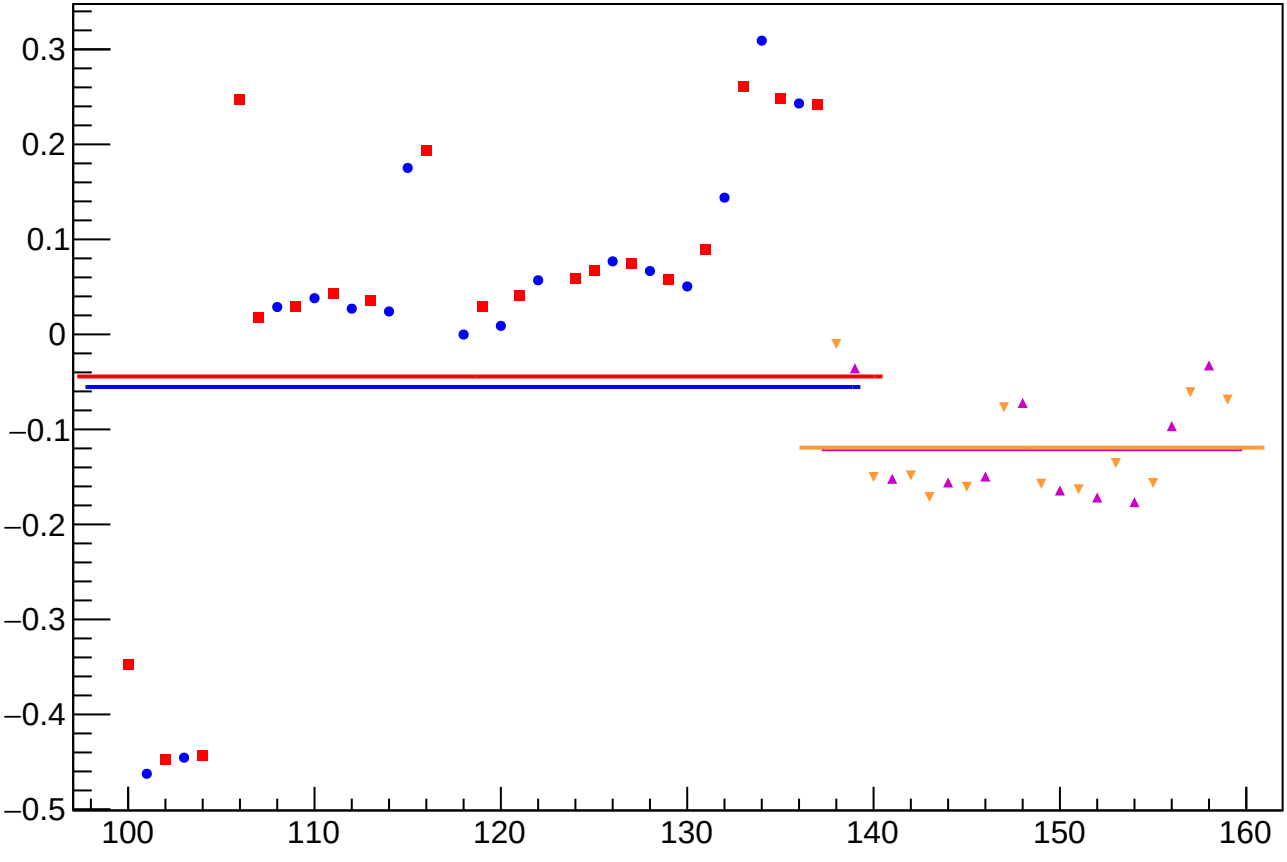
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:539523.0/25

Out: 0.011+/-0.000 χ^2/NDF:696215.1/30

All: 0.011+/-0.000 χ^2/NDF: 1242063.1/56

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.119+/-0.000 χ^2/NDF:2697305836.2/11

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2720777301.9/9

Left: -0.120+/-0.000 χ^2/NDF: 5419440313.2/21

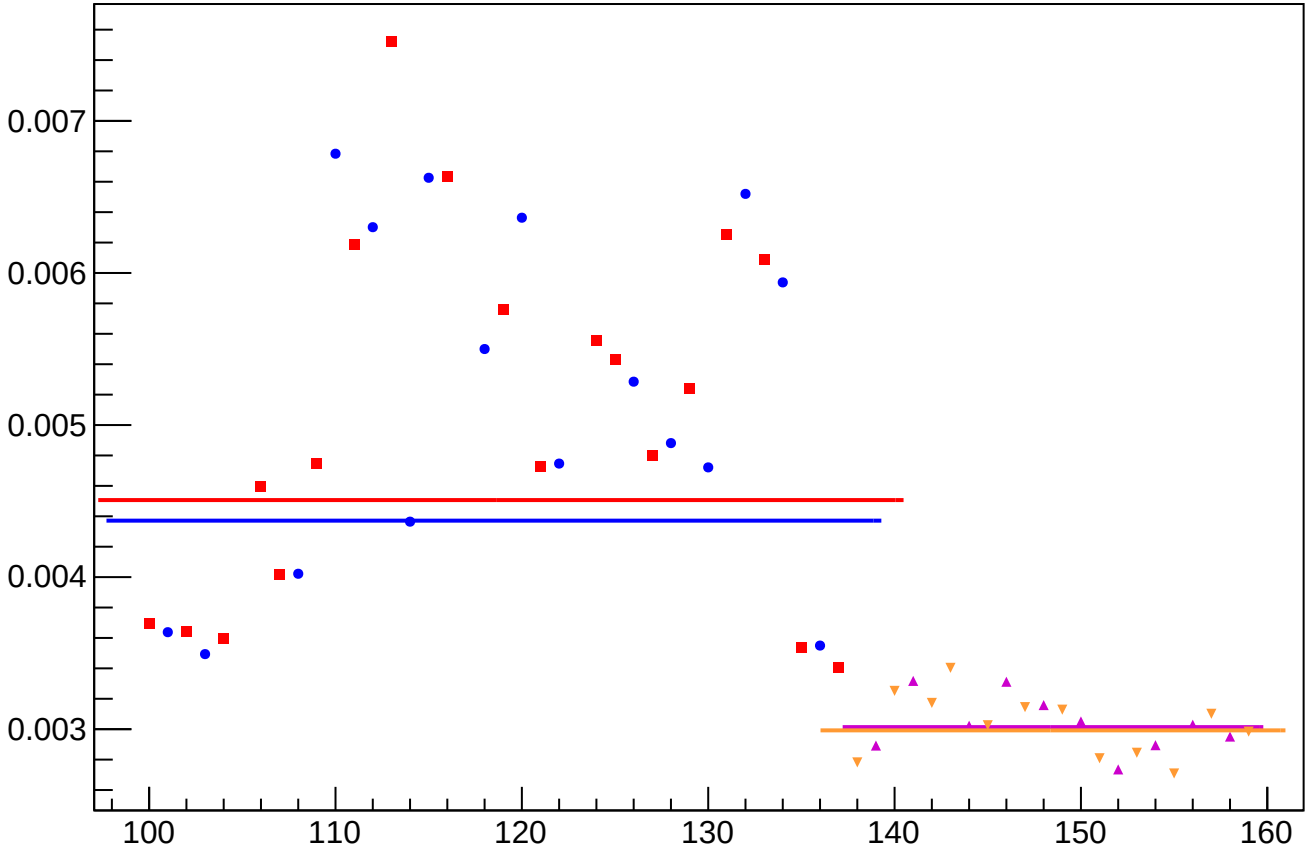
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.104+/-0.000 χ^2/NDF:27815165017.7/25

Out: -0.101+/-0.000 χ^2/NDF:26175447162.3/30

All: -0.102+/-0.000 χ^2/NDF: 53994504708.9/

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:79311.5/11

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:53146.7/9

Left: 0.003+/-0.000 χ^2/NDF: 132892.0/21

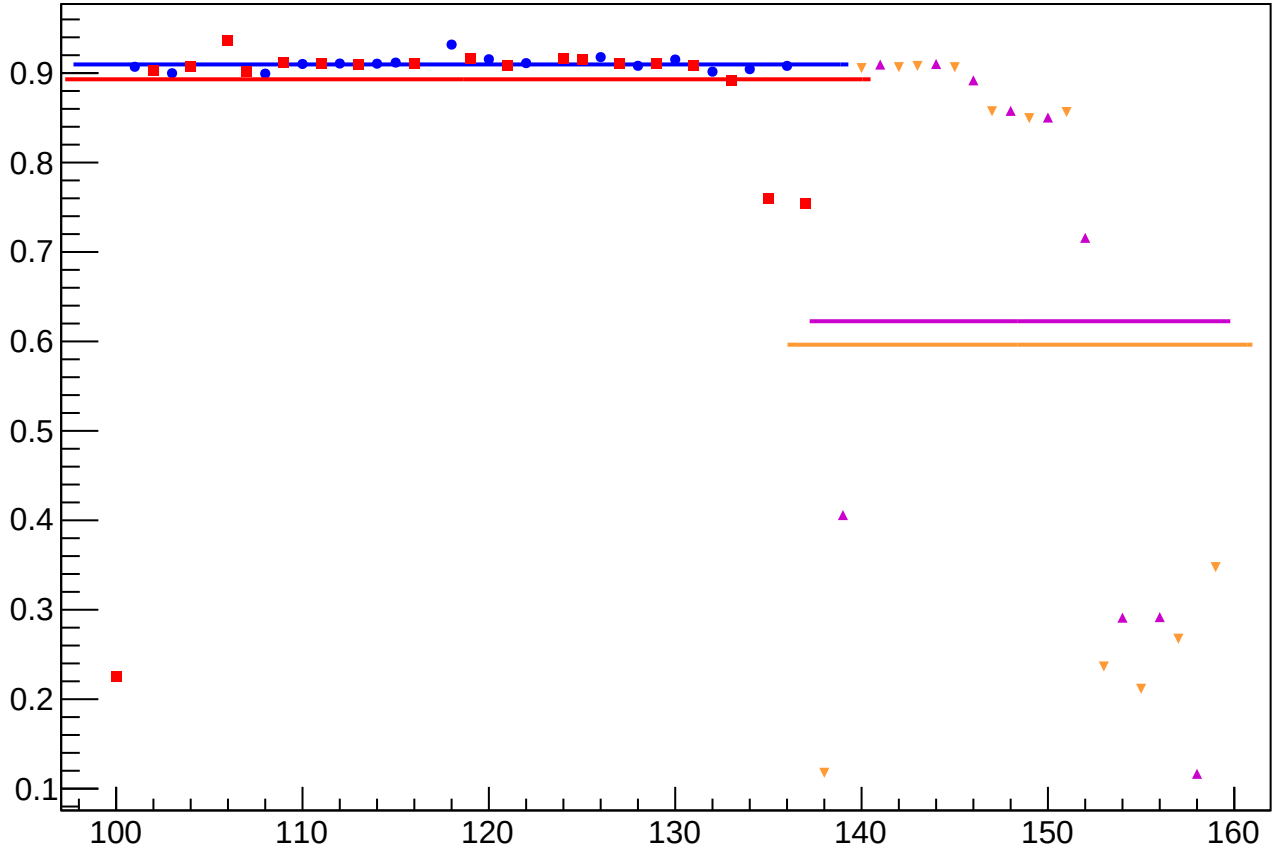
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1582558.2/25

Out: 0.003+/-0.000 χ^2/NDF:1881297.7/30

All: 0.003+/-0.000 χ^2/NDF: 3464102.1/56

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.596+/-0.000 χ^2/NDF:6553435348.0/11

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.623+/-0.000 χ^2/NDF:5141583312.8/9

Left: 0.609+/-0.000 χ^2/NDF: 11716005223.7/21

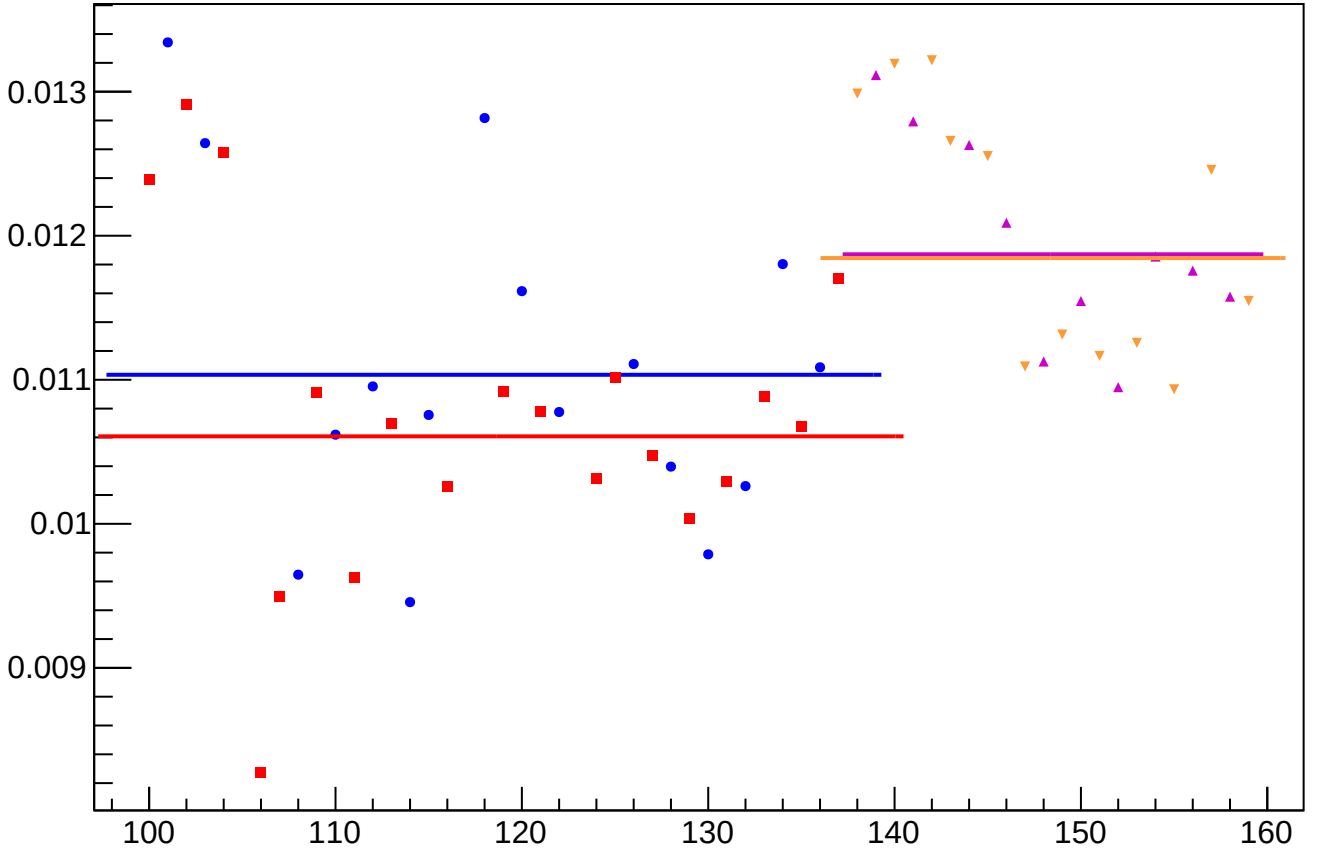
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.764+/-0.000 χ^2/NDF:7510598893.5/25

Out: 0.745+/-0.000 χ^2/NDF:9697904161.2/30

All: 0.754+/-0.000 χ^2/NDF: 17229705088.2/5

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:84227.9/11

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51246.8/9

Left: 0.012+/-0.000 χ^2/NDF: 135516.3/21

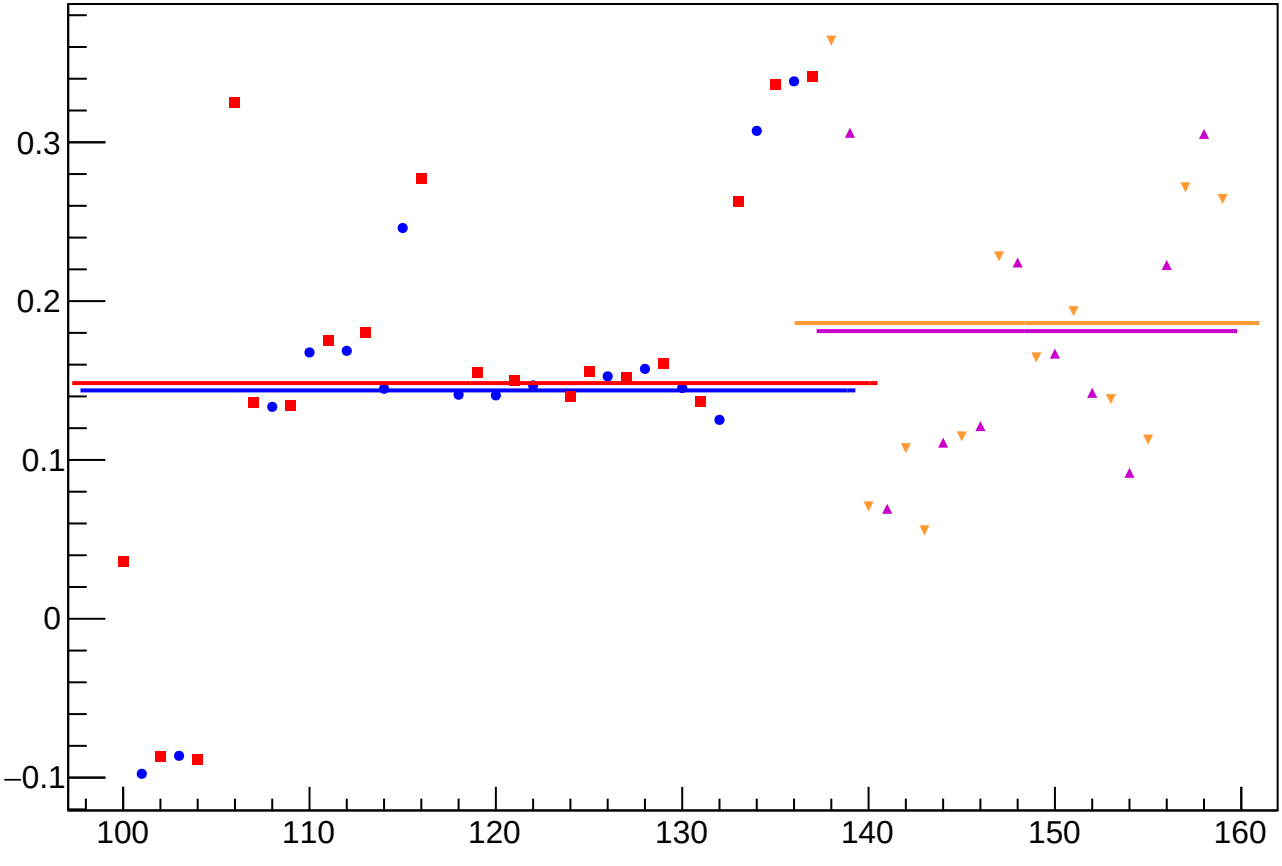
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:221754.3/25

Out: 0.011+/-0.000 χ^2/NDF:326172.4/30

All: 0.011+/-0.000 χ^2/NDF: 554596.1/56

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.186+/-0.000 χ^2/NDF:5837637663.6/11

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.181+/-0.000 χ^2/NDF:4358537488.7/9

Left: 0.184+/-0.000 χ^2/NDF: 10205225228.1/21

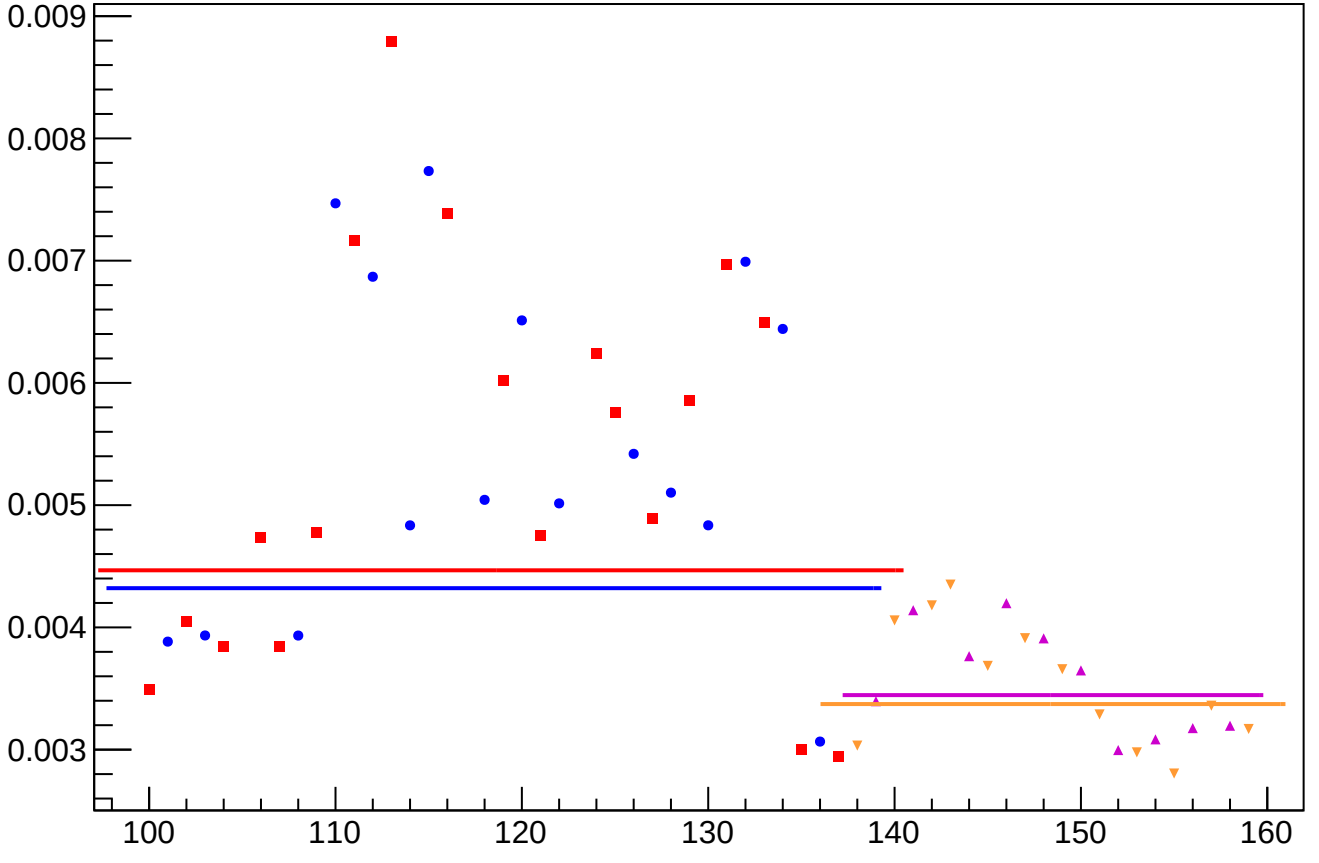
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.169+/-0.000 χ^2/NDF:12517492676.1/25

Out: 0.175+/-0.000 χ^2/NDF:13270781160.5/30

All: 0.172+/-0.000 χ^2/NDF: 25807602573.0/5

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:306147.6/11

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:209656.0/9

Left: 0.003+/-0.000 χ^2/NDF: 519564.7/21

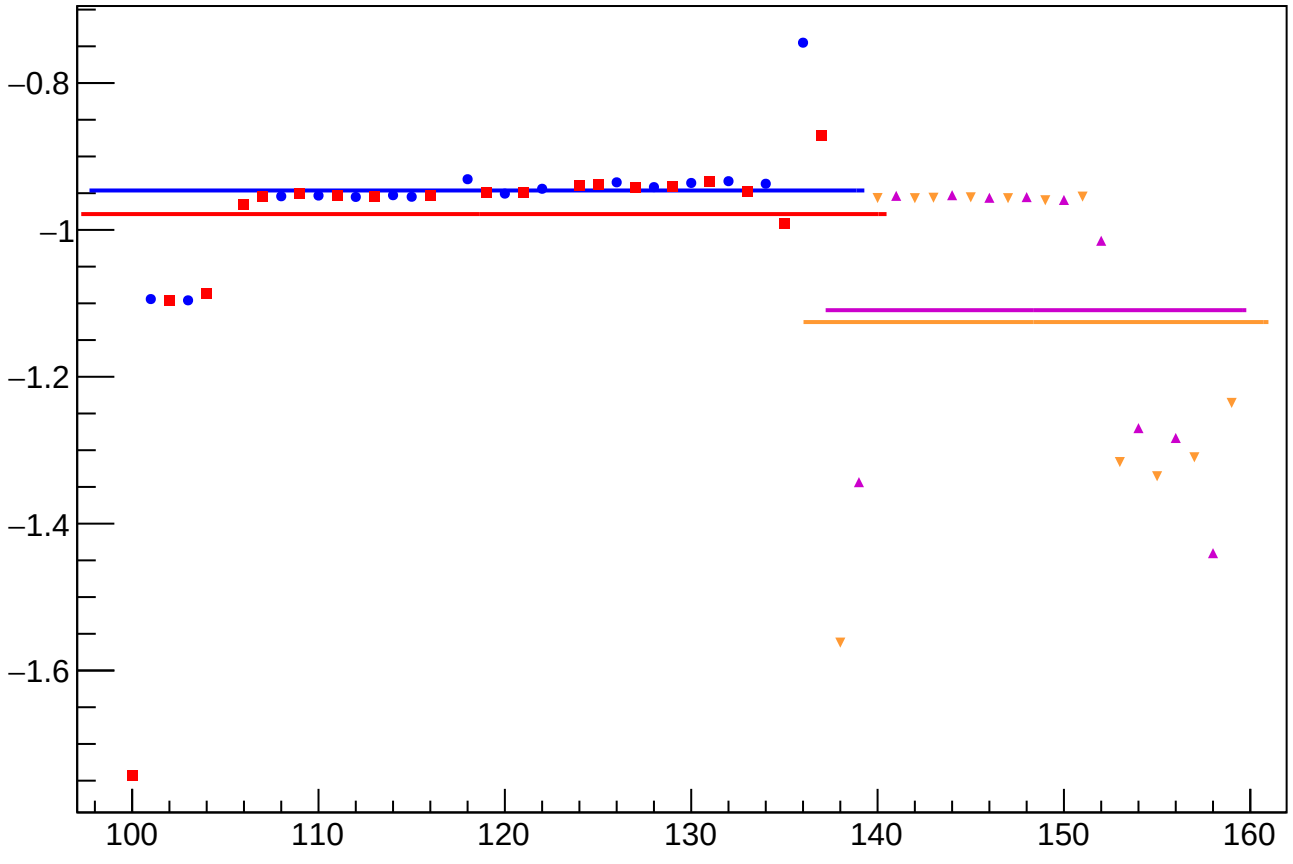
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1408185.8/25

Out: 0.004+/-0.000 χ^2/NDF:1901797.3/30

All: 0.004+/-0.000 χ^2/NDF: 3311626.0/56

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.125+/-0.000 χ^2/NDF:3300113134.9/11

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.109+/-0.000 χ^2/NDF:2567284198.1/9

Left: -1.118+/-0.000 χ^2/NDF: 5877546420.6/21

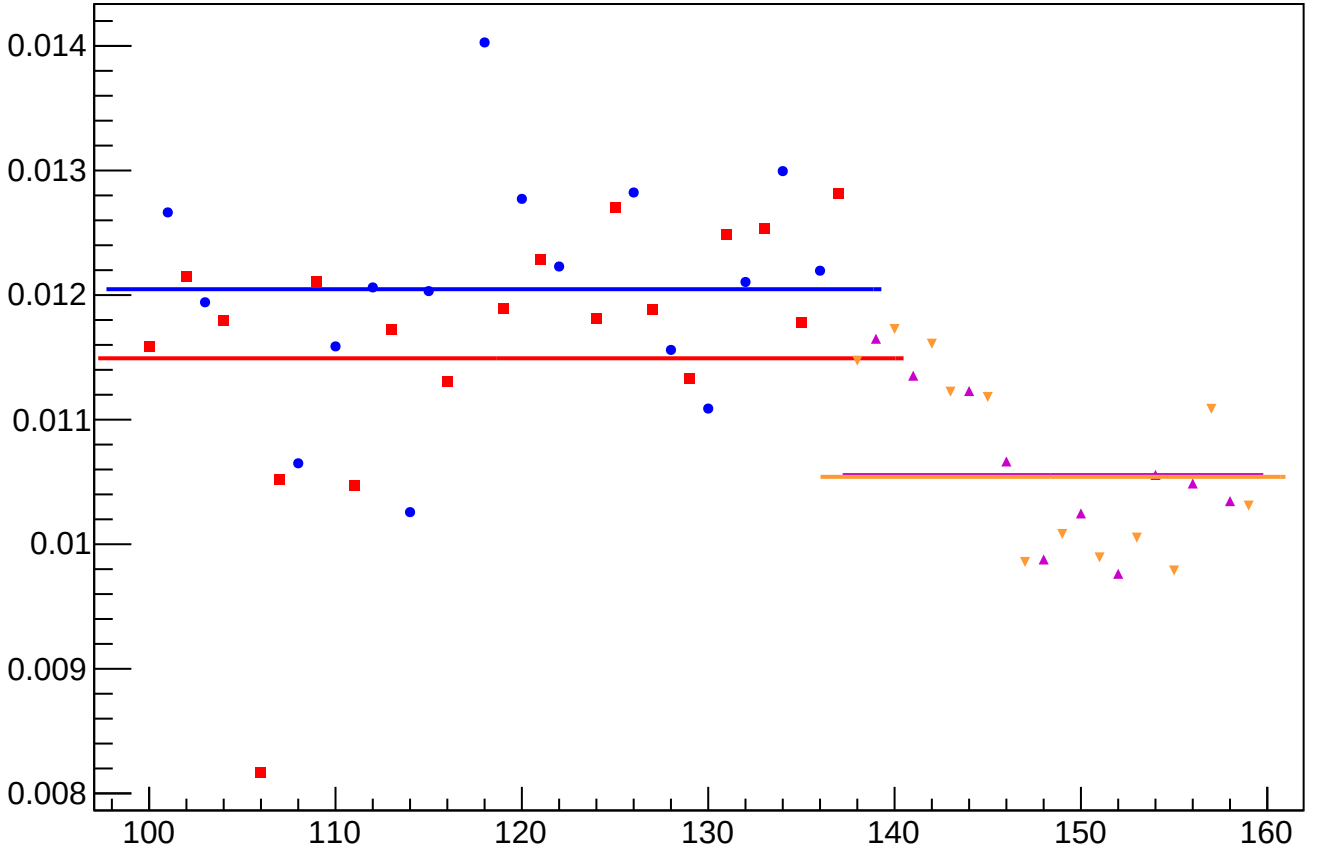
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.046+/-0.000 χ^2/NDF:3740600635.2/25

Out: -1.067+/-0.000 χ^2/NDF:4463890167.9/30

All: -1.057+/-0.000 χ^2/NDF: 8231865488.0/5

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:78959.8/11

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:49800.1/9

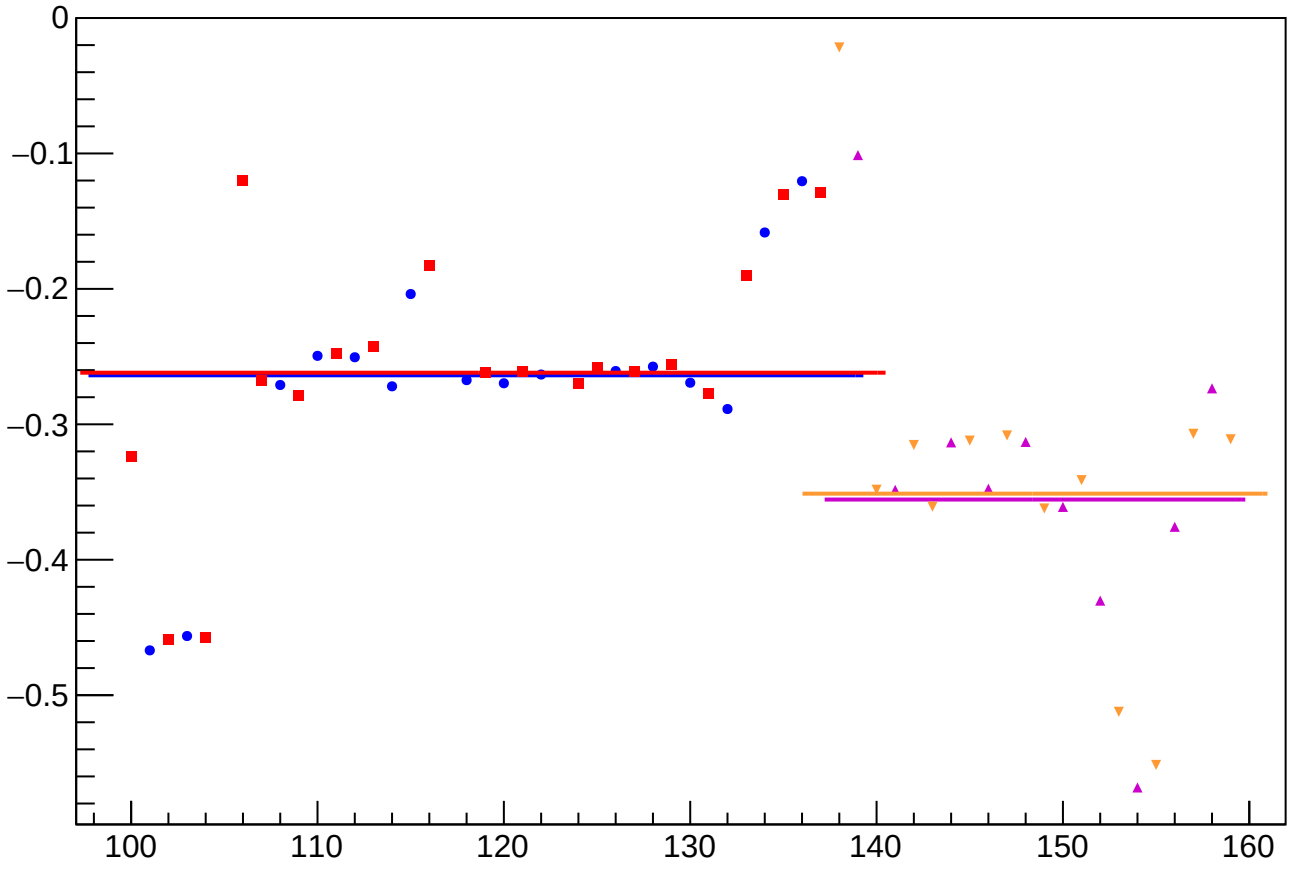
Left: 0.011+/-0.000 χ^2/NDF: 128775.6/21

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:241087.7/25

Out: 0.011+/-0.000 χ^2/NDF:289137.0/30

All: 0.011+/-0.000 χ^2/NDF: 536051.7/56



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.351+/-0.000 χ^2/NDF:11234501388.8/11

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.356+/-0.000 χ^2/NDF:7211998730.4/9

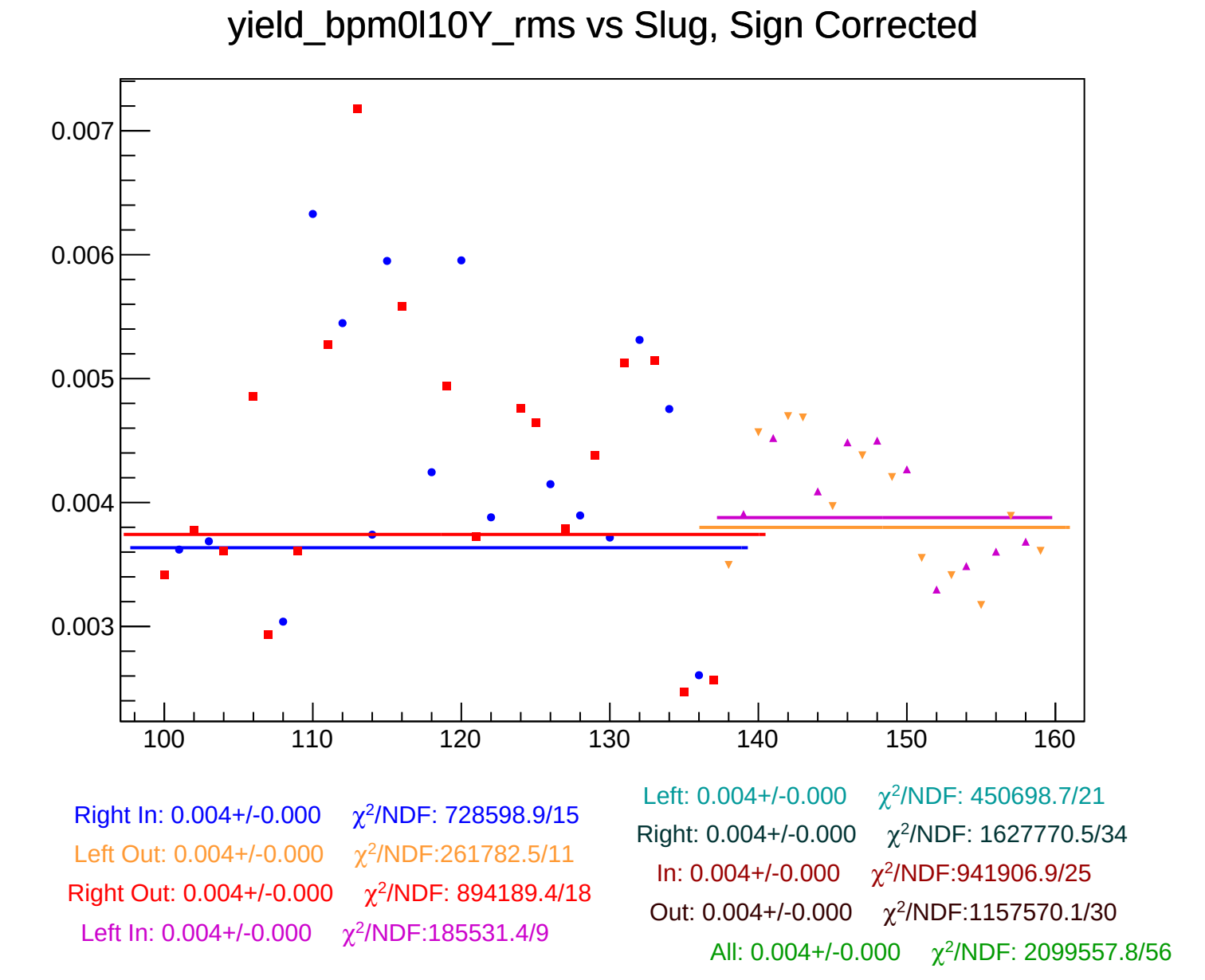
Left: -0.353+/-0.000 χ^2/NDF: 18451642180.8/21

Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

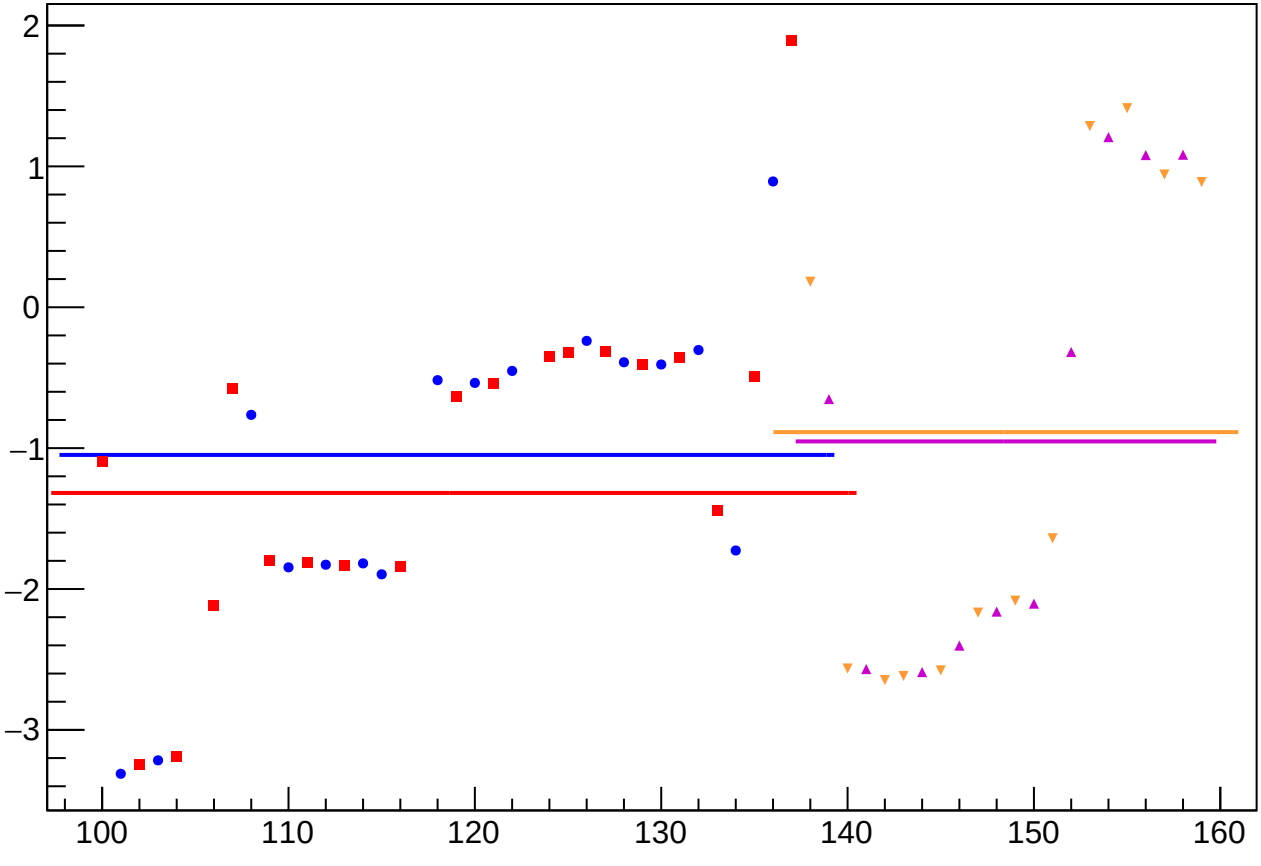
In: -0.313+/-0.000 χ^2/NDF:15295411896.9/25

Out: -0.313+/-0.000 χ^2/NDF:18454096899.8/30

All: -0.313+/-0.000 χ^2/NDF: 33749509006.8/


yield_bpm0l10Y_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.004+/-0.000 χ²/NDF:261782.5/11
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.004+/-0.000 χ²/NDF:185531.4/9
Left: 0.004+/-0.000 χ²/NDF: 450698.7/21
Right: 0.004+/-0.000 χ²/NDF: 1627770.5/34
In: 0.004+/-0.000 χ²/NDF:941906.9/25
Out: 0.004+/-0.000 χ²/NDF:1157570.1/30
All: 0.004+/-0.000 χ²/NDF: 2099557.8/56

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.886+/-0.000 χ^2/NDF:4516599068.2/11

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.952+/-0.000 χ^2/NDF:3537208731.1/9

Left: -0.918+/-0.000 χ^2/NDF: 8057233032.1/21

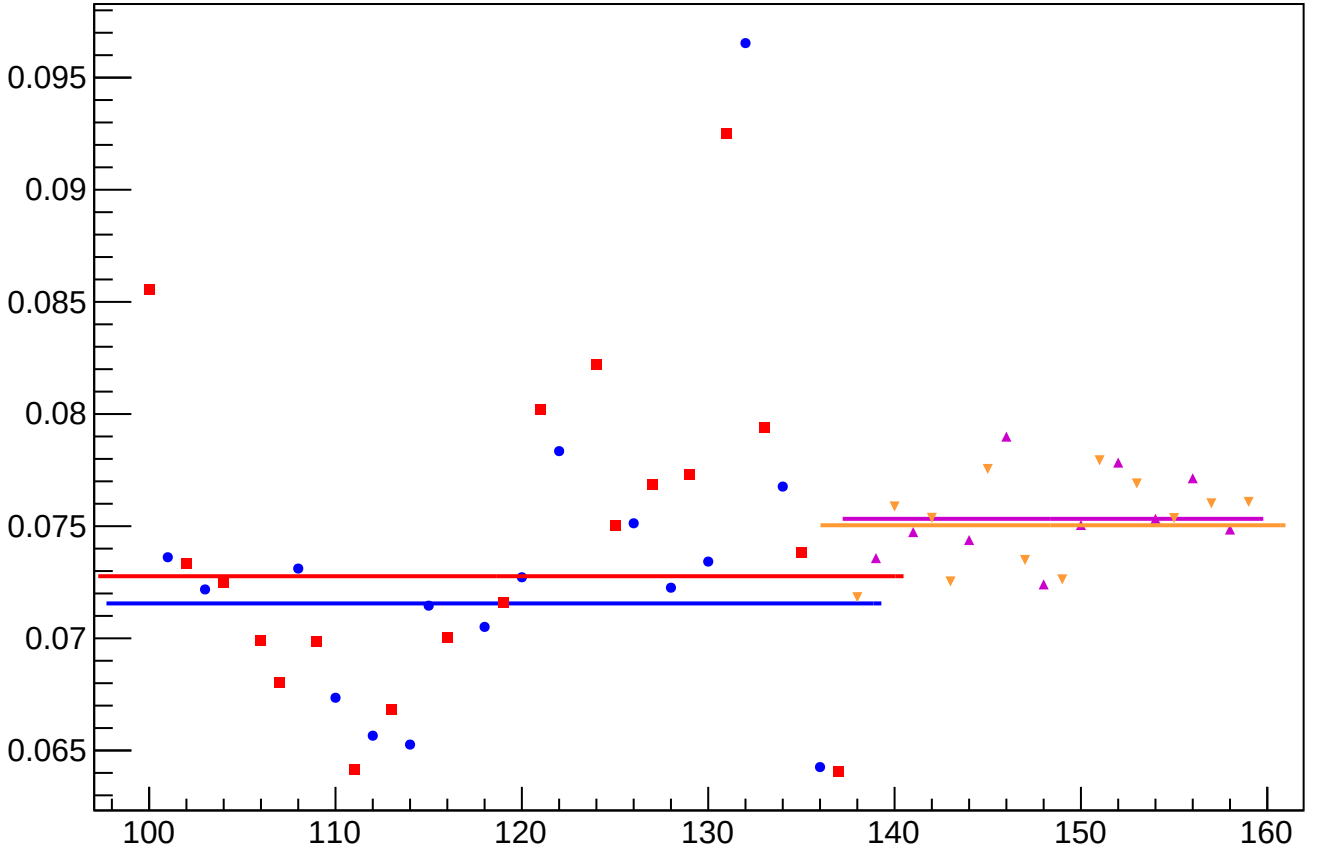
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.998+/-0.000 χ^2/NDF:5890800357.0/25

Out: -1.082+/-0.000 χ^2/NDF:6504586626.8/30

All: -1.041+/-0.000 χ^2/NDF: 12405697827.8/

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:13232.5/11

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10292.8/9

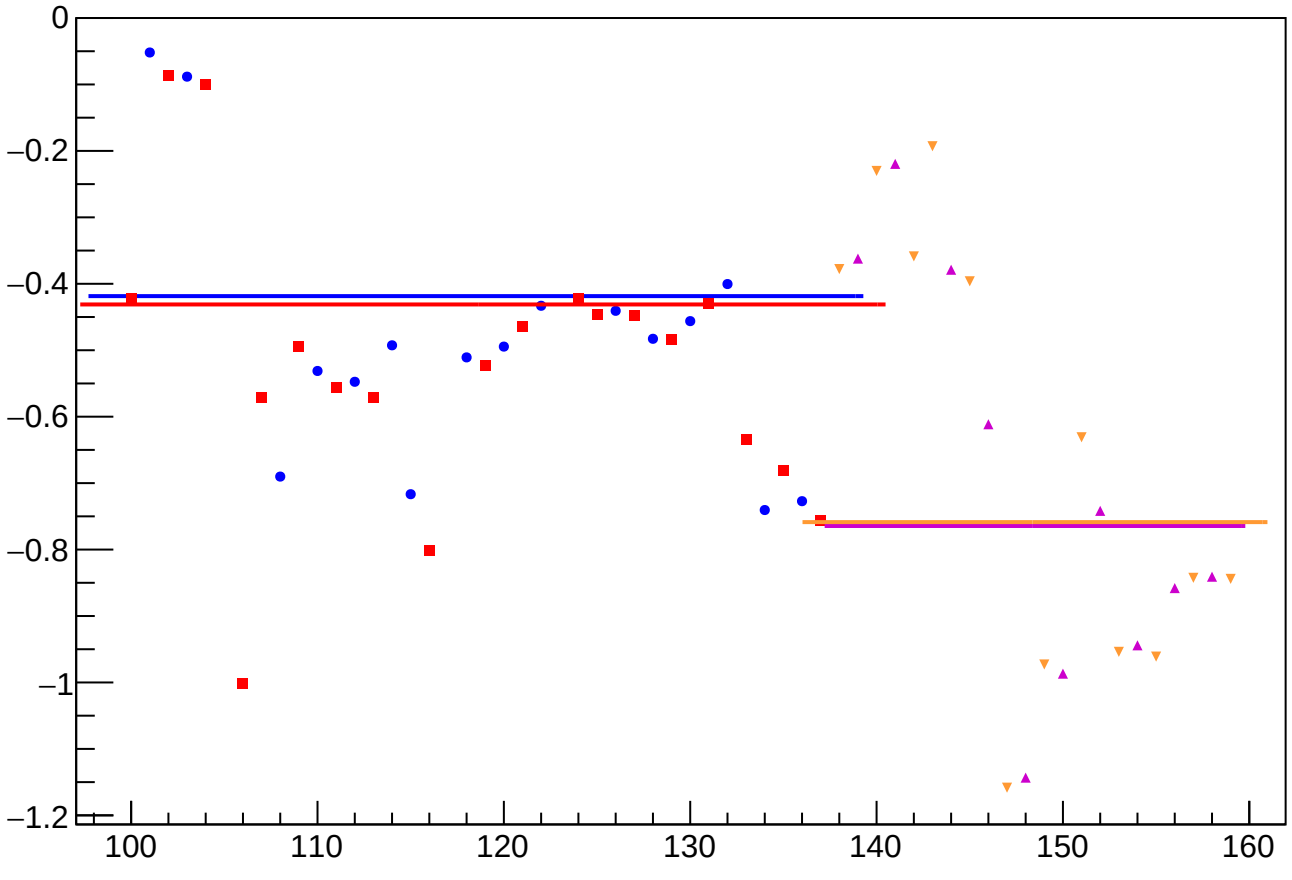
Left: 0.075+/-0.000 χ^2/NDF: 23654.7/21

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:131874.7/25

Out: 0.074+/-0.000 χ^2/NDF:117854.8/30

All: 0.074+/-0.000 χ^2/NDF: 250427.8/56



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.759+/-0.000 χ^2/NDF:13183572228.5/11

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.764+/-0.000 χ^2/NDF:9953486517.5/9

Left: -0.761+/-0.000 χ^2/NDF: 23139856074.1/21

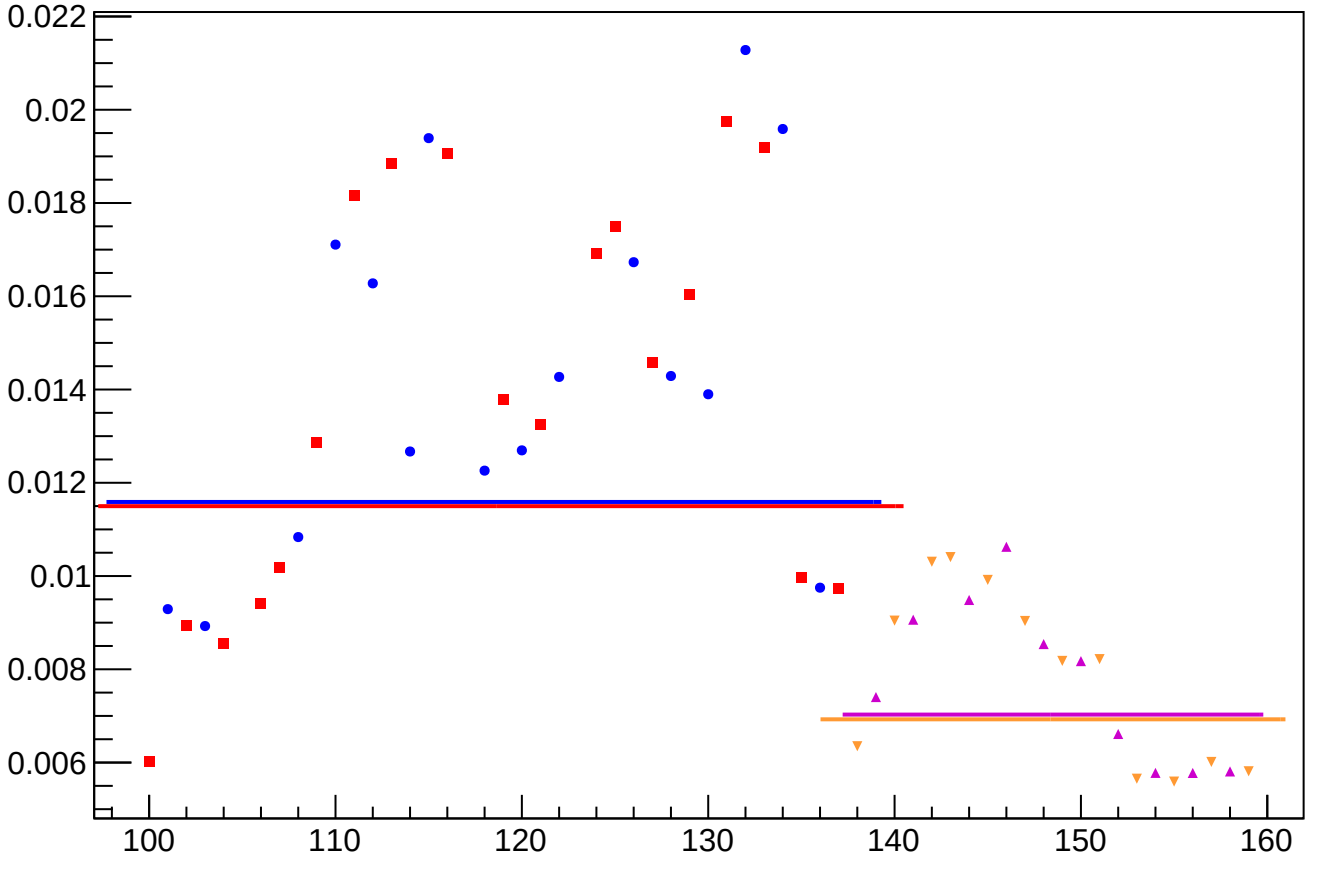
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.688+/-0.000 χ^2/NDF:17162064736.9/25

Out: -0.691+/-0.000 χ^2/NDF:20248841410.9/30

All: -0.690+/-0.000 χ^2/NDF: 37411912843.6/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:896492.7/11

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:681394.9/9

Left: 0.007+/-0.000 χ^2/NDF: 1579588.1/21

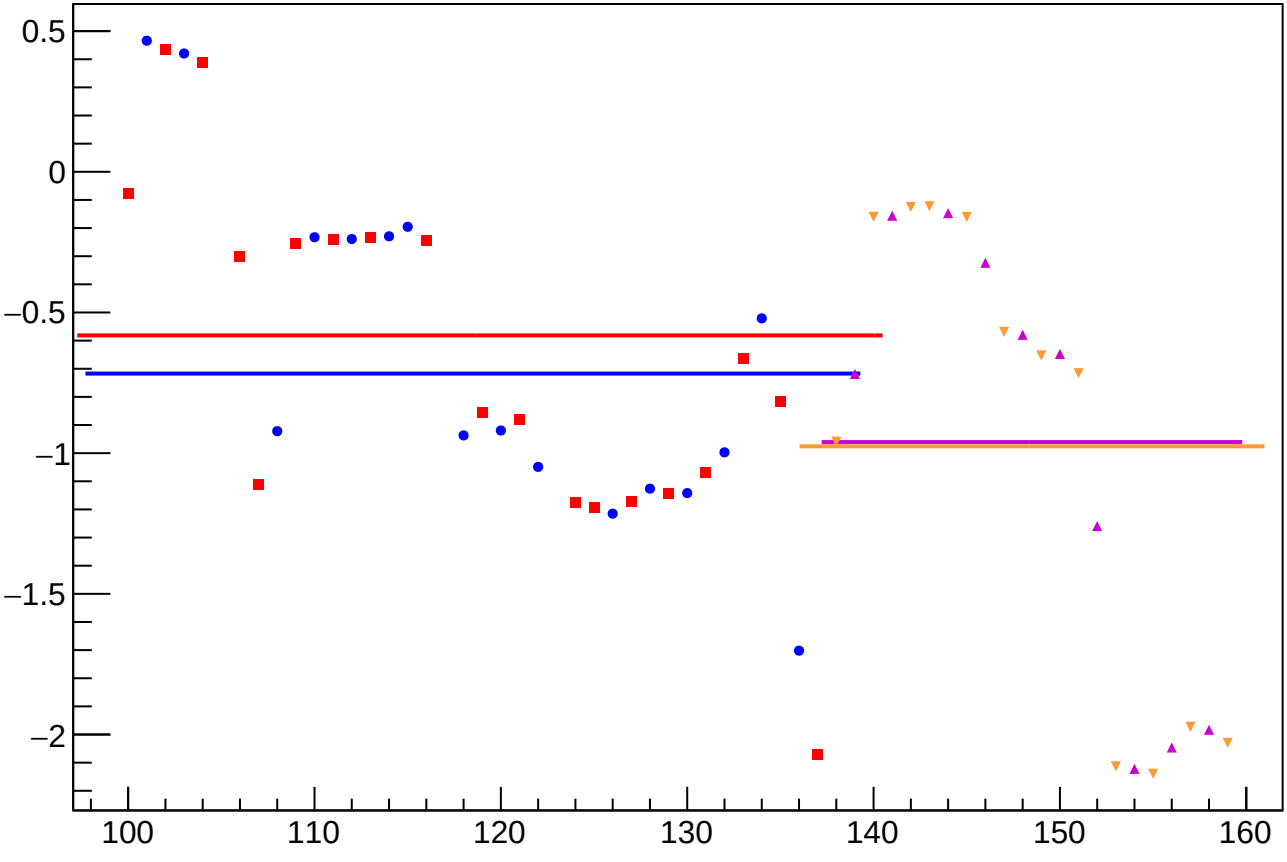
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.008+/-0.000 χ^2/NDF:2905092.4/25

Out: 0.008+/-0.000 χ^2/NDF:3568093.5/30

All: 0.008+/-0.000 χ^2/NDF: 6479024.2/56

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.976+/-0.000 χ^2/NDF:829015319.7/11

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.961+/-0.000 χ^2/NDF:657247158.5/9

Left: -0.969+/-0.000 χ^2/NDF: 1486402378.5/21

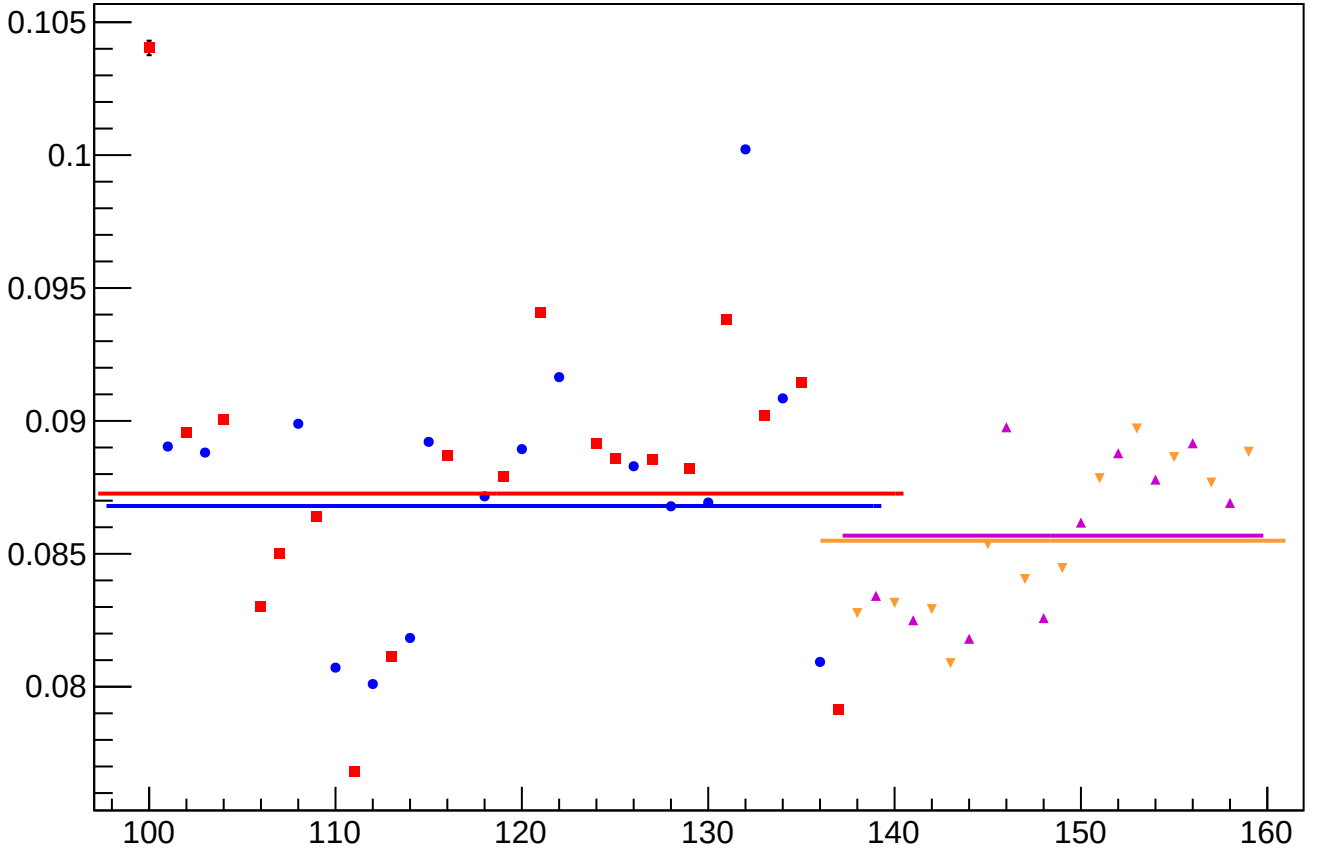
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.852+/-0.000 χ^2/NDF:1125867483.5/25

Out: -0.806+/-0.000 χ^2/NDF:1257656567.5/30

All: -0.828+/-0.000 χ^2/NDF: 2385786429.7/5

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:20136.9/11

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:19786.2/9

Left: 0.086+/-0.000 χ^2/NDF: 39967.7/21

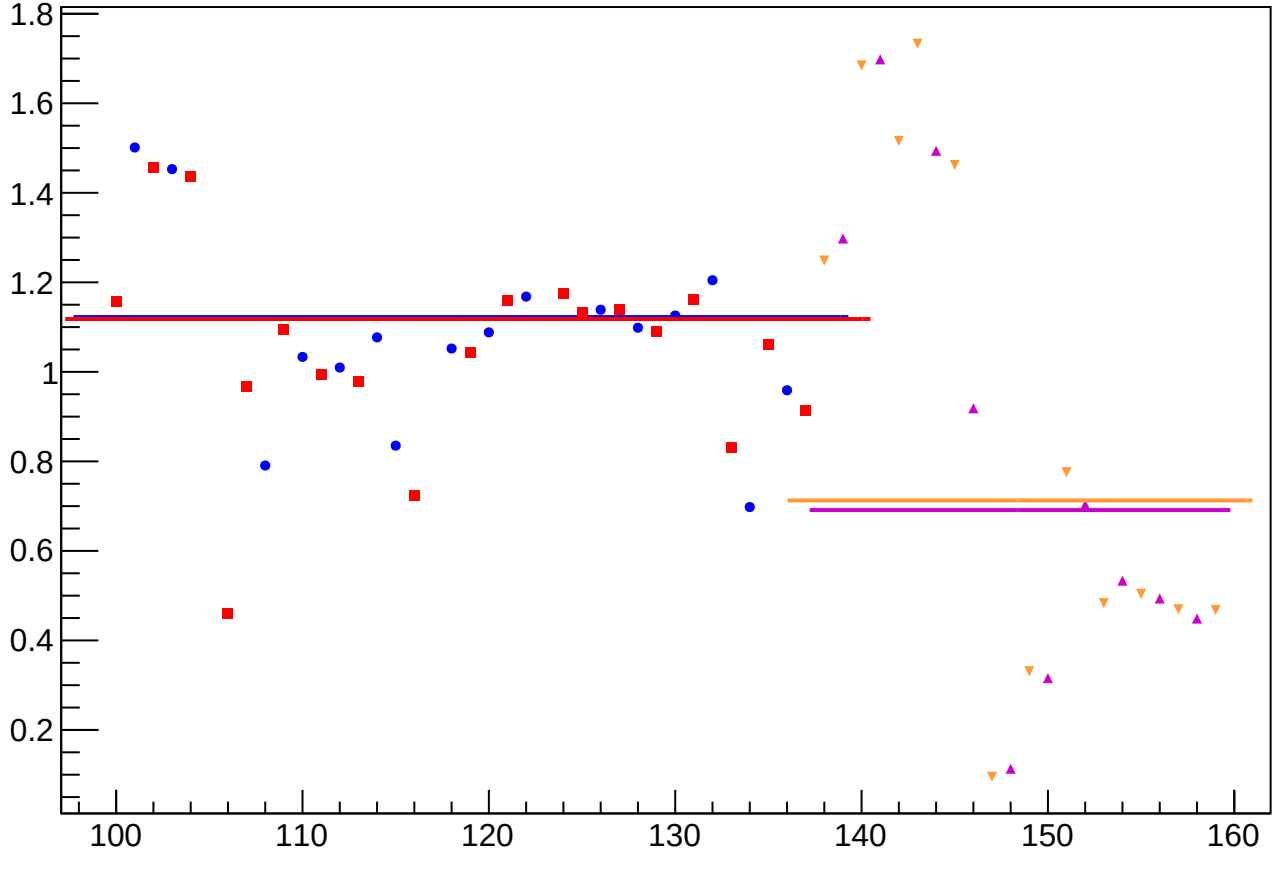
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:64669.4/25

Out: 0.086+/-0.000 χ^2/NDF:69803.2/30

All: 0.086+/-0.000 χ^2/NDF: 134484.3/56

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.713+/-0.000 χ^2/NDF:26400728278.5/11

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.691+/-0.000 χ^2/NDF:20639281889.5/9

Left: 0.703+/-0.000 χ^2/NDF: 47067488412.6/21

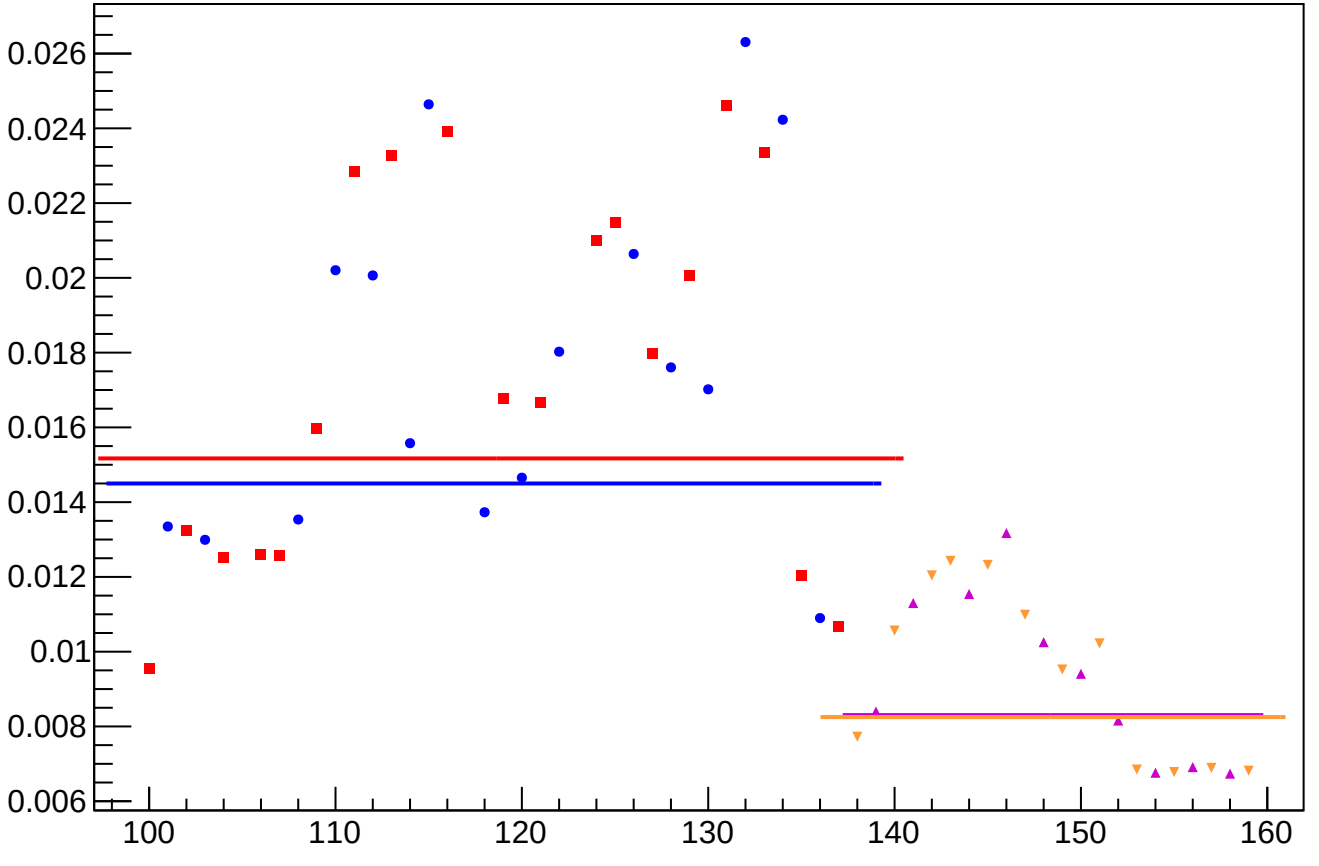
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.778+/-0.000 χ^2/NDF:26310353561.3/25

Out: 0.784+/-0.000 χ^2/NDF:31579902330.0/30

All: 0.781+/-0.000 χ^2/NDF: 57892846019.7/5

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:941041.1/11

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:773957.3/9

Left: 0.008+/-0.000 χ^2/NDF: 1715341.7/21

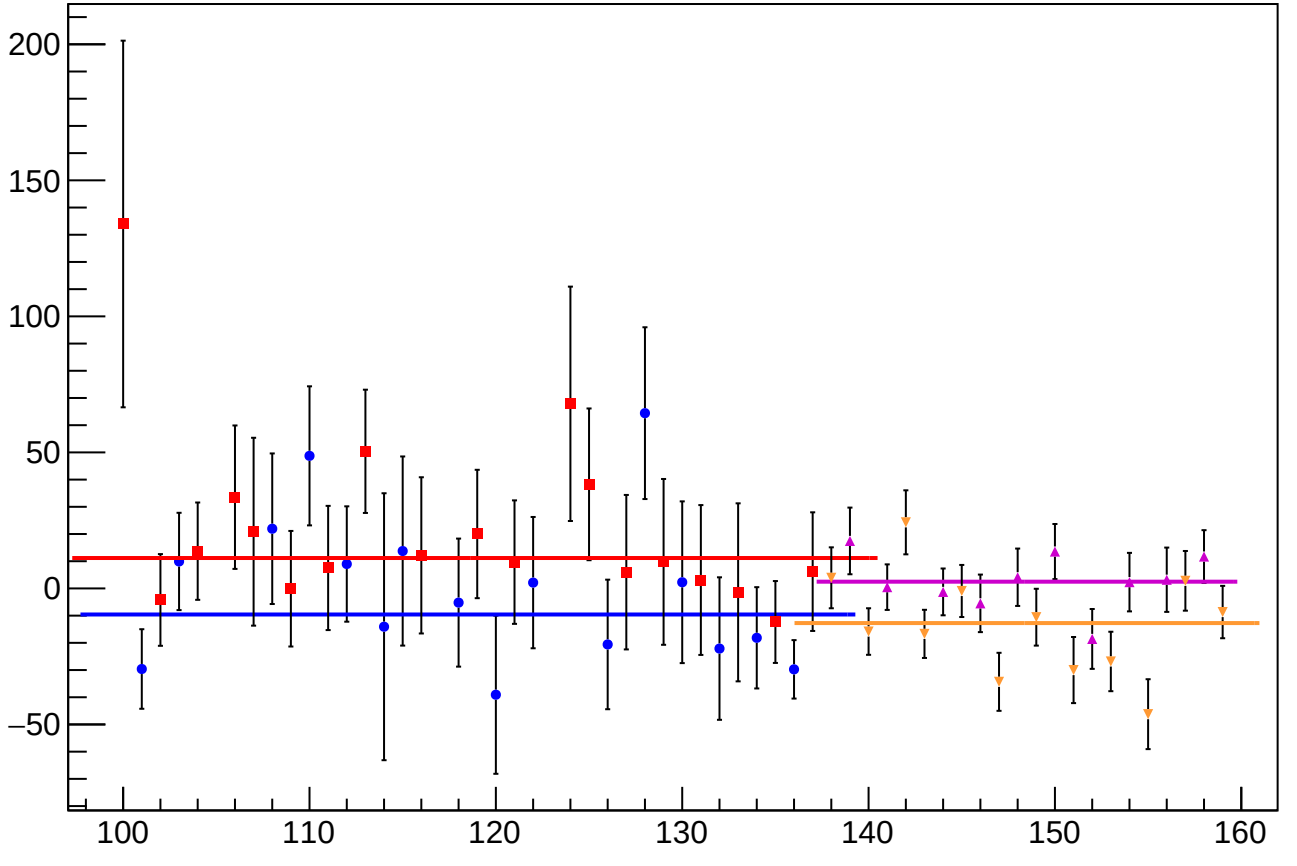
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.010+/-0.000 χ^2/NDF:3225044.2/25

Out: 0.009+/-0.000 χ^2/NDF:3909277.9/30

All: 0.010+/-0.000 χ^2/NDF: 7135377.2/56

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.733+/-3.004 χ^2/NDF:30.8/11

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 2.477+/-3.213 χ^2/NDF:8.1/9

Left: -5.639+/-2.194 χ^2/NDF: 50.8/21

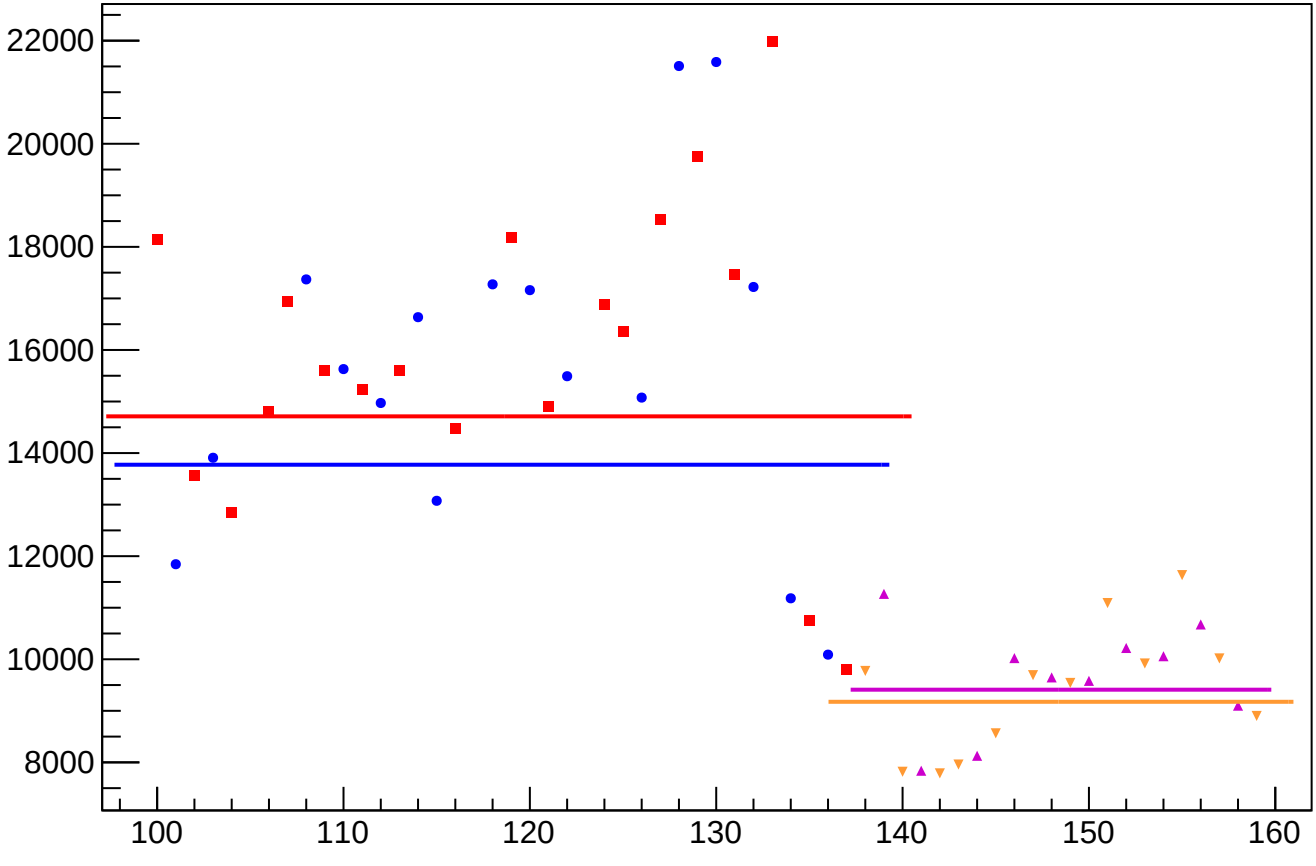
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.772+/-2.747 χ^2/NDF:33.8/25

Out: -7.235+/-2.636 χ^2/NDF:59.2/30

All: -4.136+/-1.902 χ^2/NDF: 95.9/56

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9175.189+/-2.124 χ^2/NDF:282518.8/11

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9409.910+/-2.272 χ^2/NDF:212373.7/9

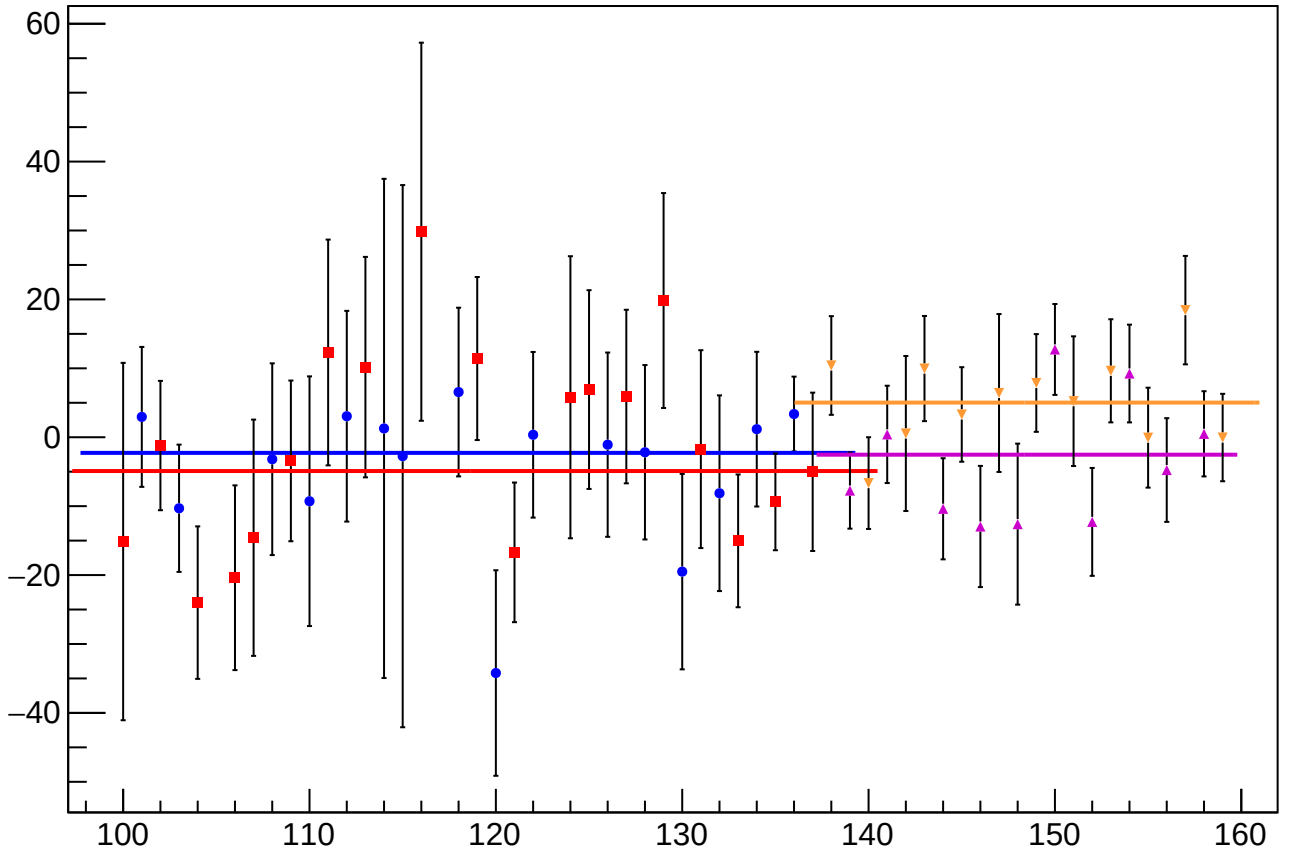
Left: 9284.657+/-1.552 χ^2/NDF: 500586.8/21

Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

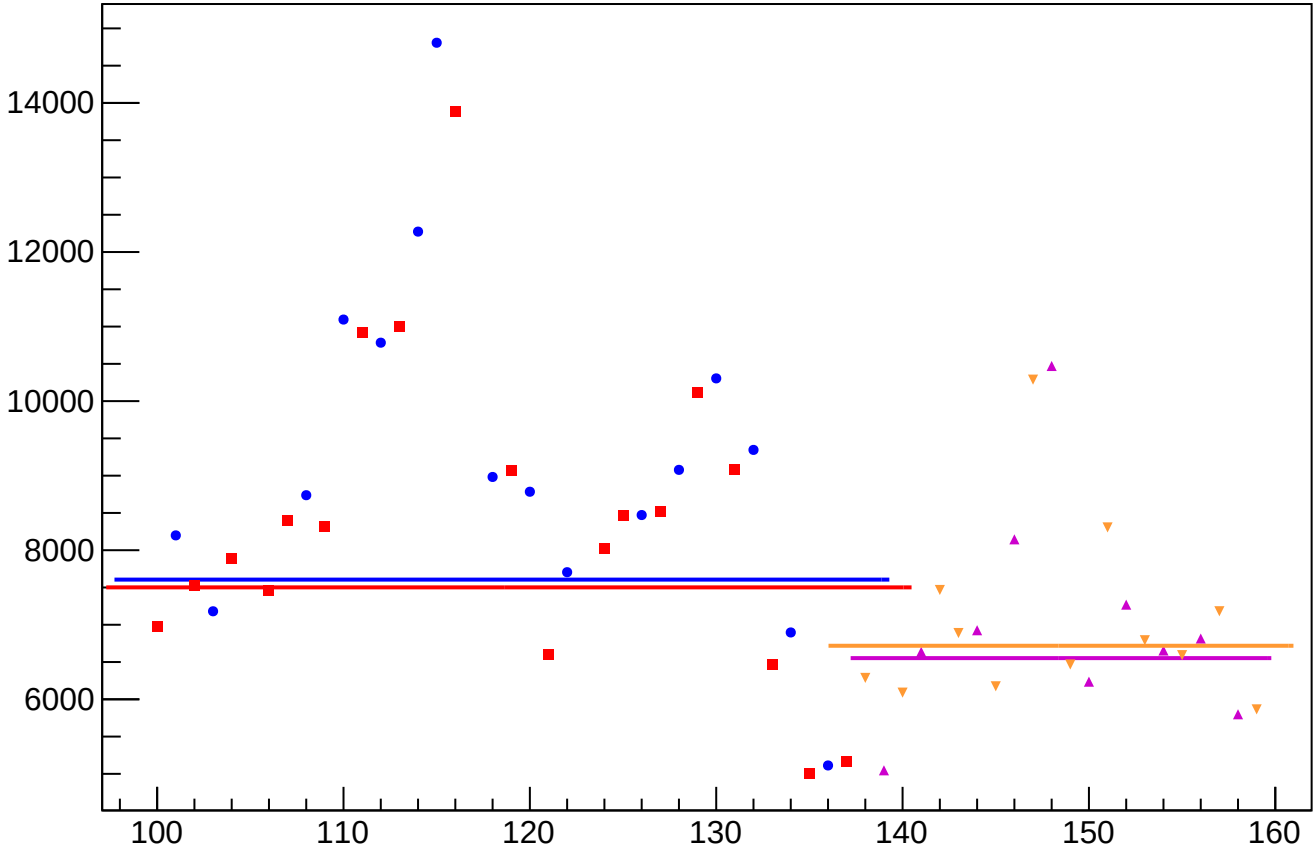
In: 10585.949+/-1.942 χ^2/NDF:1953986.9/25

Out: 10448.511+/-1.864 χ^2/NDF:2402300.2/30

All: 10514.413+/-1.345 χ^2/NDF: 4358893.8/5


diff_bpm4aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -2.267+/-2.922 χ²/NDF: 9.3/15
Left Out: 5.027+/-2.208 χ²/NDF:8.9/11
Right Out: -4.904+/-2.836 χ²/NDF: 17.6/18
Left In: -2.533+/-2.266 χ²/NDF:14.4/9
Left: 1.345+/-1.582 χ²/NDF: 28.9/21
Right: -3.625+/-2.035 χ²/NDF: 27.3/34
In: -2.433+/-1.791 χ²/NDF:23.7/25
Out: 1.279+/-1.742 χ²/NDF:34.1/30
All: -0.526+/-1.249 χ²/NDF: 60.0/56

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6718.244+/-1.561 χ^2/NDF:345036.6/11

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6552.503+/-1.602 χ^2/NDF:498750.8/9

Left: 6637.530+/-1.118 χ^2/NDF: 849275.2/21

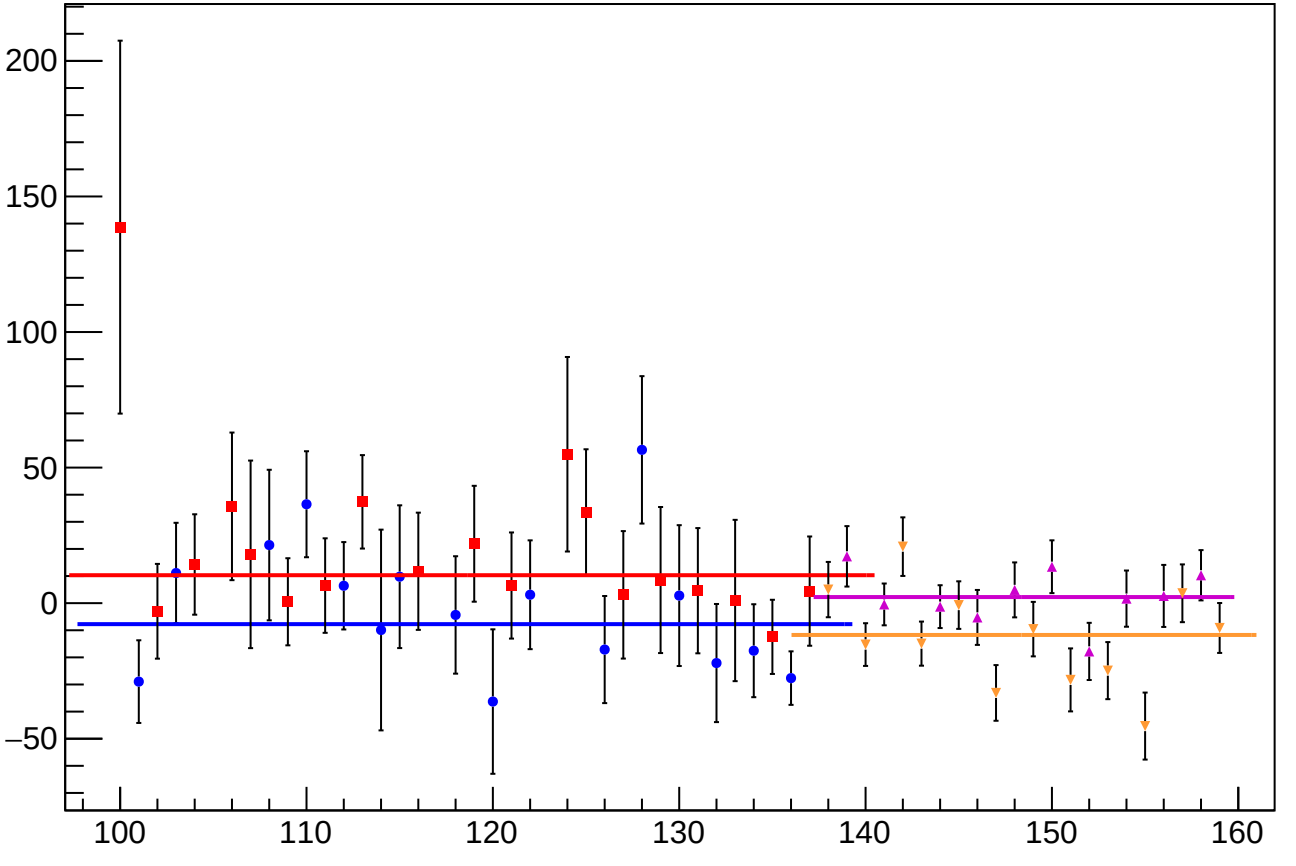
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6948.076+/-1.266 χ^2/NDF:1552480.2/25

Out: 7013.864+/-1.232 χ^2/NDF:1263582.1/30

All: 6981.874+/-0.883 χ^2/NDF: 2817449.0/56

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.730+/-2.824 χ^2/NDF:31.2/11

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 2.249+/-3.036 χ^2/NDF:8.5/9

Left: -5.245+/-2.068 χ^2/NDF: 51.1/21

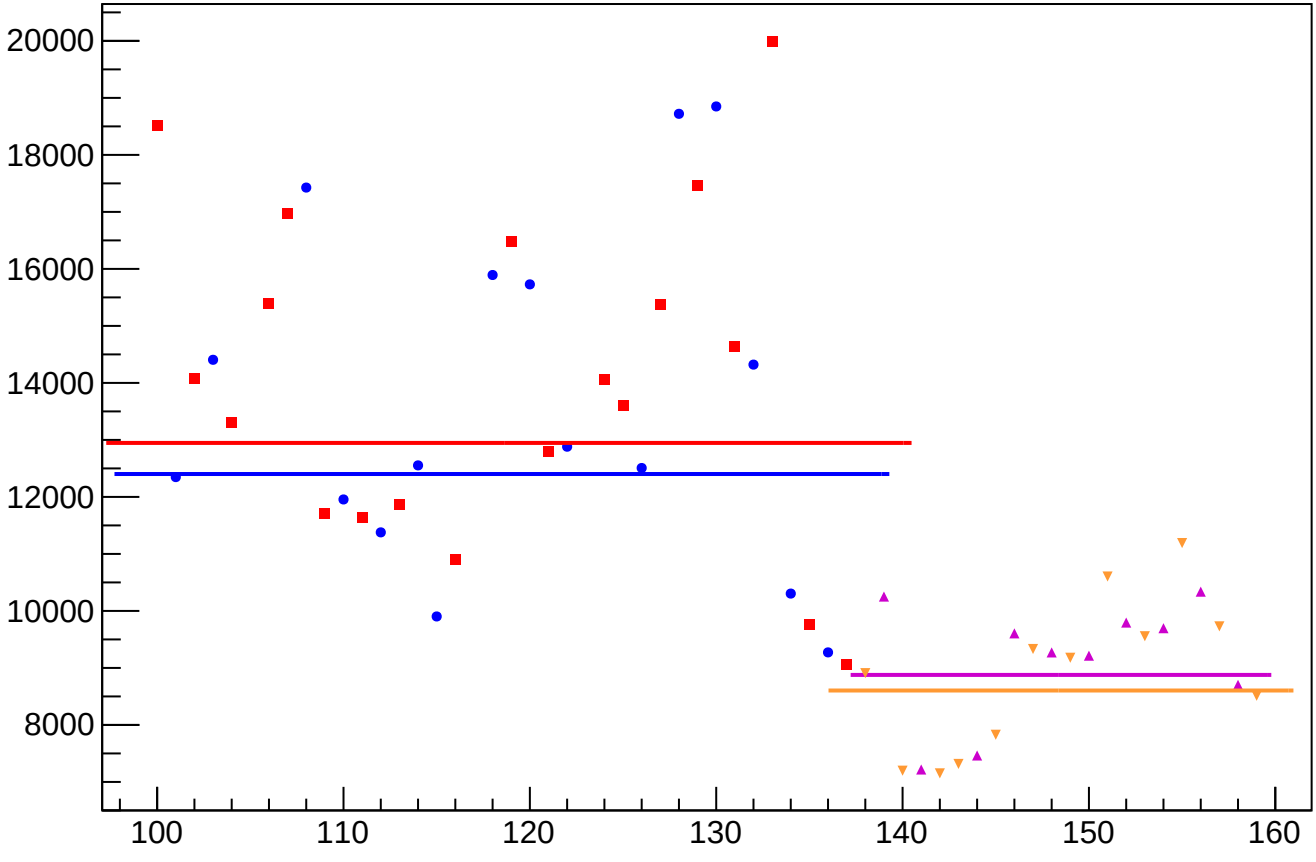
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.650+/-2.558 χ^2/NDF:34.3/25

Out: -6.132+/-2.439 χ^2/NDF:60.6/30

All: -3.521+/-1.765 χ^2/NDF: 97.3/56

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8603.963+/-1.997 χ^2/NDF:369904.3/11

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8877.458+/-2.147 χ^2/NDF:263870.9/9

Left: 8730.837+/-1.462 χ^2/NDF: 642476.7/21

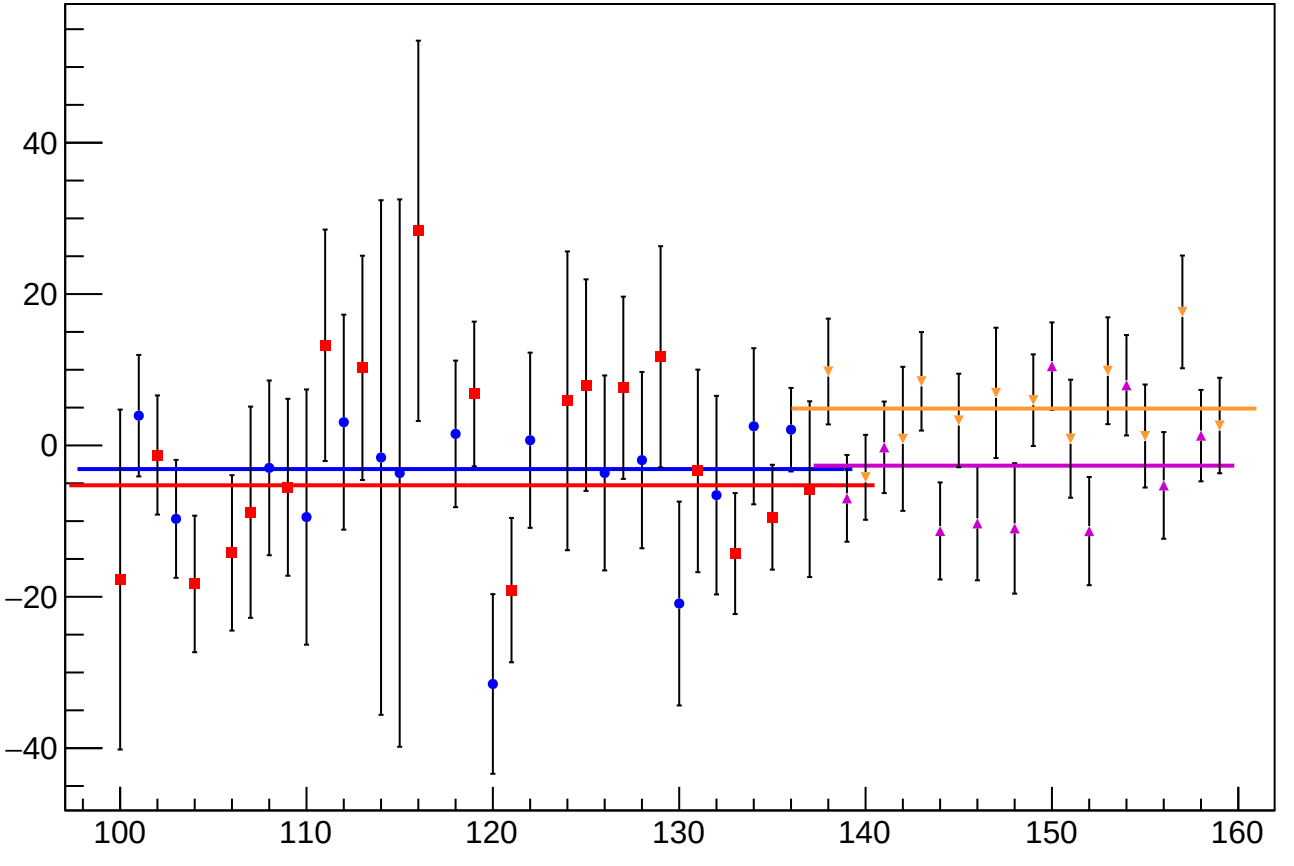
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9900.159+/-1.809 χ^2/NDF:1724300.3/25

Out: 9707.202+/-1.725 χ^2/NDF:2126708.3/30

All: 9799.104+/-1.248 χ^2/NDF: 3856969.7/56

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.873+/-1.980 χ^2/NDF:7.9/11

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.671+/-2.072 χ^2/NDF:14.2/9

Left: 1.272+/-1.432 χ^2/NDF: 29.0/21

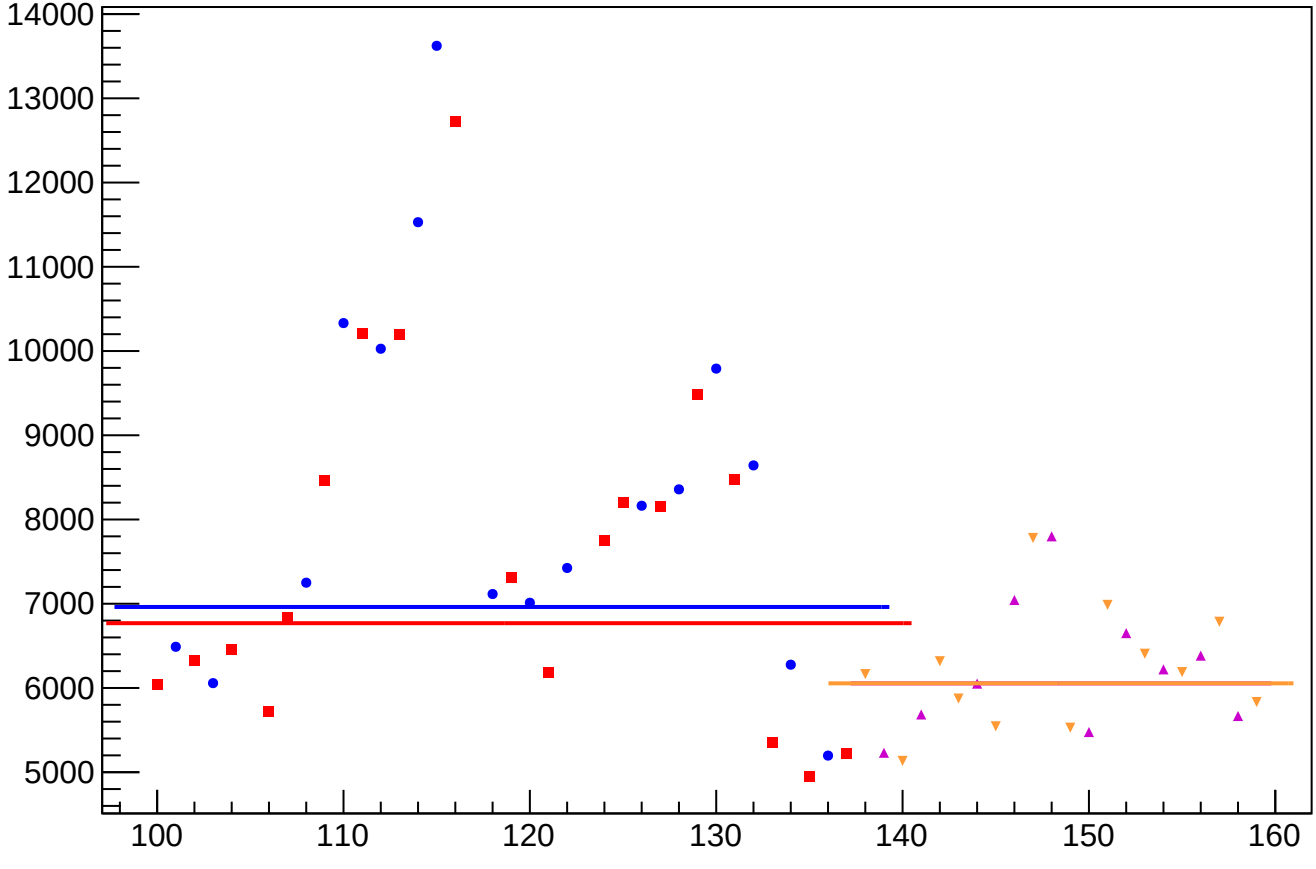
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.842+/-1.634 χ^2/NDF:25.2/25

Out: 1.065+/-1.565 χ^2/NDF:34.6/30

All: -0.804+/-1.130 χ^2/NDF: 62.8/56

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6055.122+/-1.400 χ^2/NDF:222409.1/11

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6054.579+/-1.465 χ^2/NDF:213022.6/9

Left: 6054.863+/-1.012 χ^2/NDF: 435431.7/21

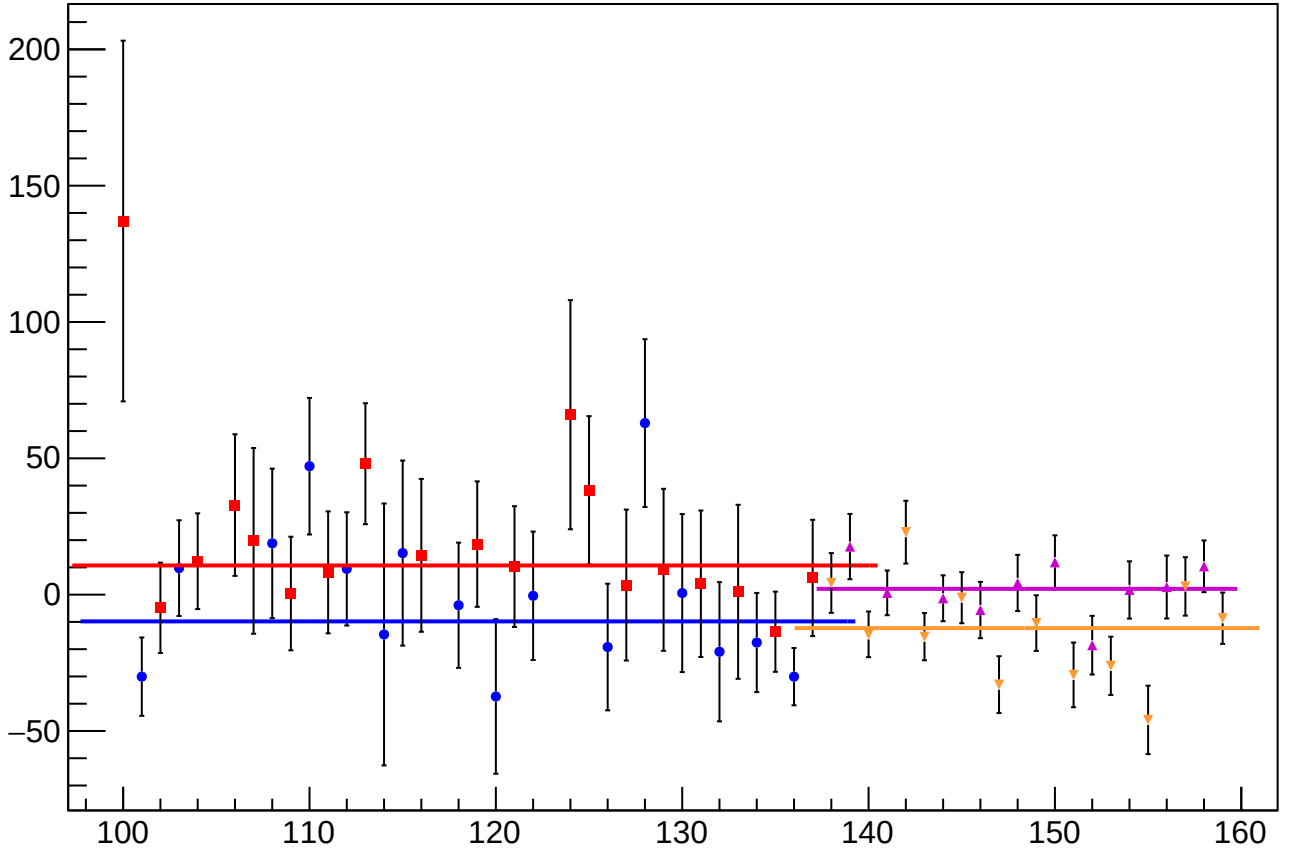
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6397.842+/-1.155 χ^2/NDF:1054443.6/25

Out: 6323.232+/-1.106 χ^2/NDF:1118155.3/30

All: 6358.926+/-0.799 χ^2/NDF: 2174774.7/56

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.271+/-2.938 χ^2/NDF:30.4/11

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 2.120+/-3.142 χ^2/NDF:7.9/9

Left: -5.558+/-2.146 χ^2/NDF: 49.5/21

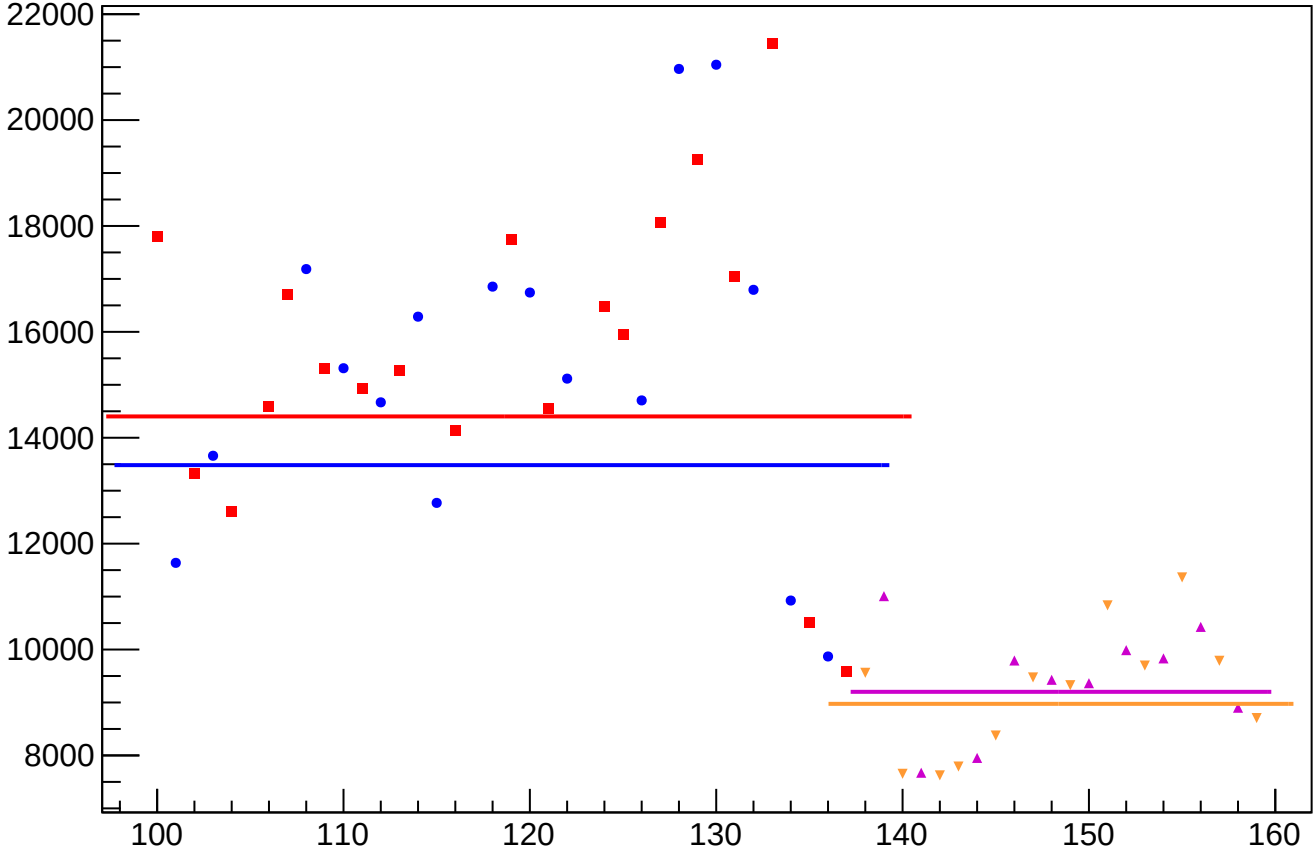
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.090+/-2.686 χ^2/NDF:33.8/25

Out: -6.995+/-2.579 χ^2/NDF:58.7/30

All: -4.163+/-1.860 χ^2/NDF: 95.1/56

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8974.163+/-2.077 χ^2/NDF:279368.1/11

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9201.307+/-2.222 χ^2/NDF:209678.5/9

Left: 9080.123+/-1.517 χ^2/NDF: 494623.7/21

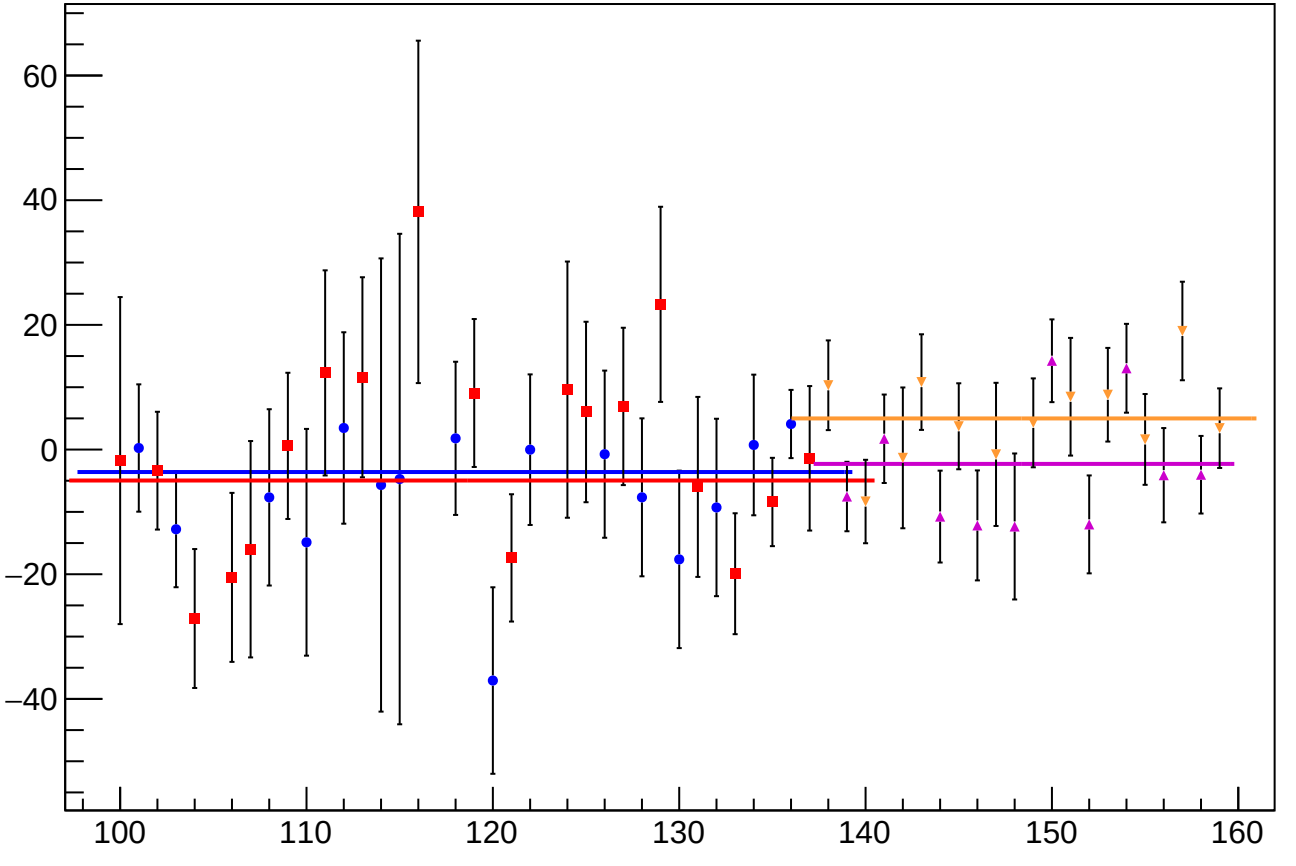
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10353.433+/-1.899 χ^2/NDF:1952845.6/25

Out: 10220.878+/-1.823 χ^2/NDF:2400043.2/30

All: 10284.449+/-1.315 χ^2/NDF: 4355423.6/5

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.992+/-2.219 χ^2/NDF:9.5/11

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -2.302+/-2.279 χ^2/NDF:17.0/9

Left: 1.442+/-1.590 χ^2/NDF: 31.8/21

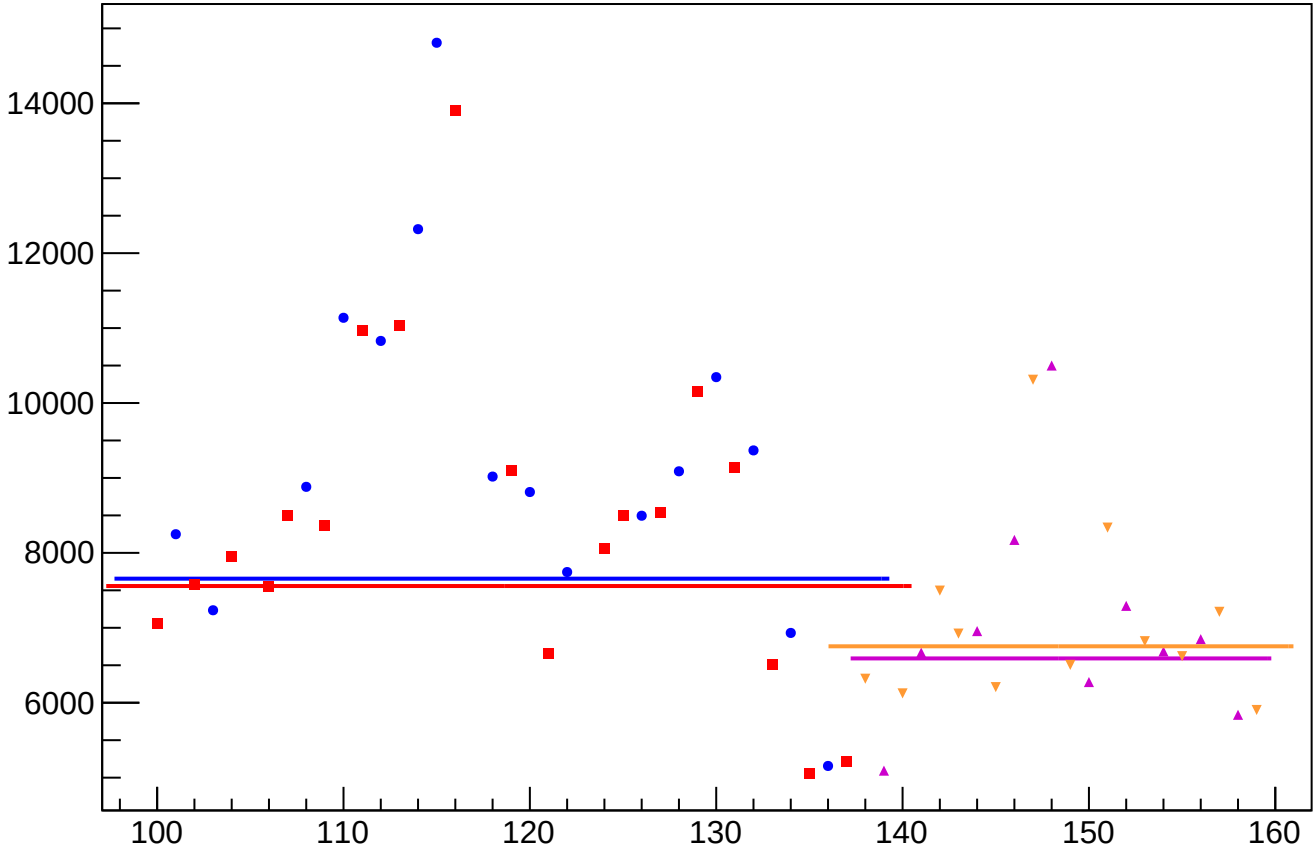
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.791+/-1.801 χ^2/NDF:27.6/25

Out: 1.243+/-1.752 χ^2/NDF:38.5/30

All: -0.719+/-1.256 χ^2/NDF: 68.7/56

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6753.007+/-1.569 χ^2/NDF:340811.8/11

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6591.185+/-1.611 χ^2/NDF:489194.9/9

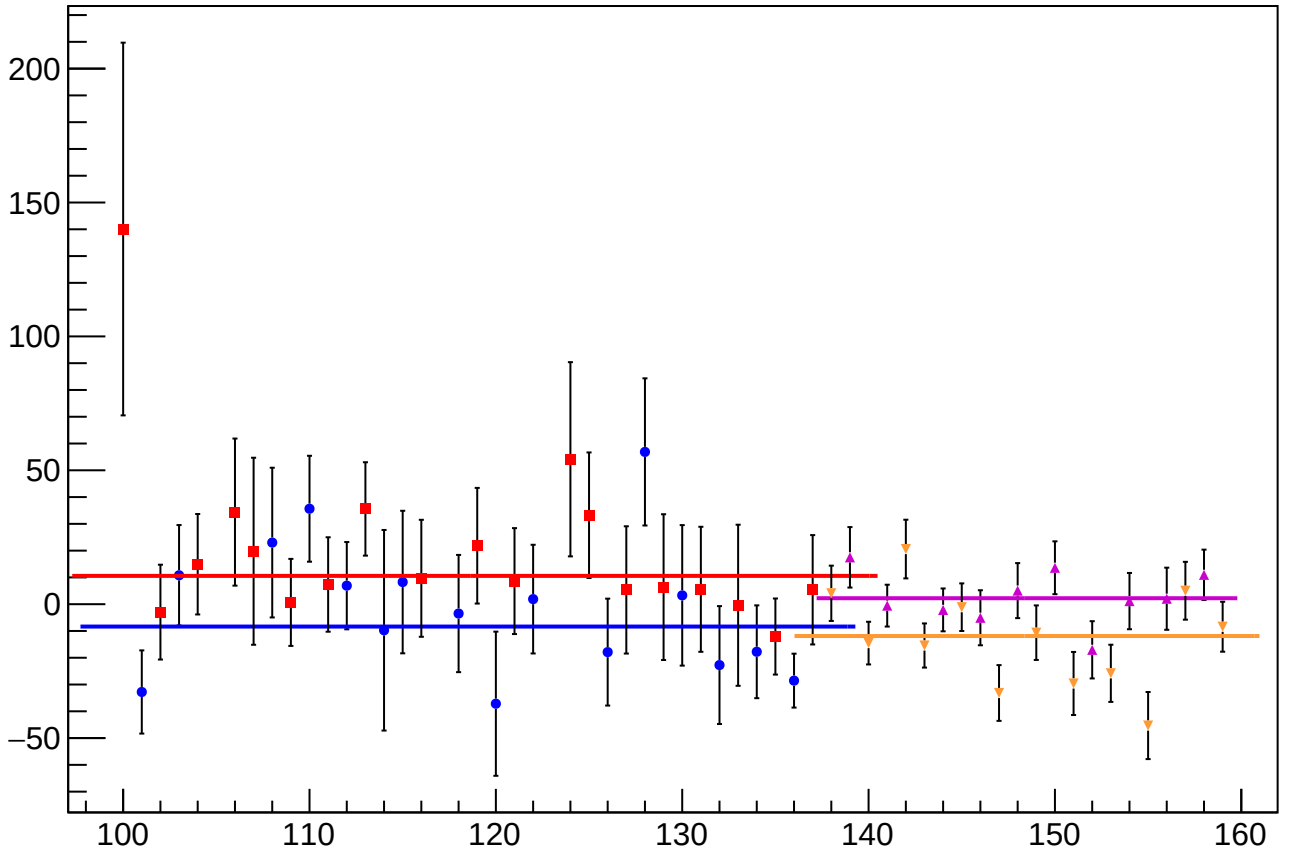
Left: 6674.247+/-1.124 χ^2/NDF: 835183.6/21

Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

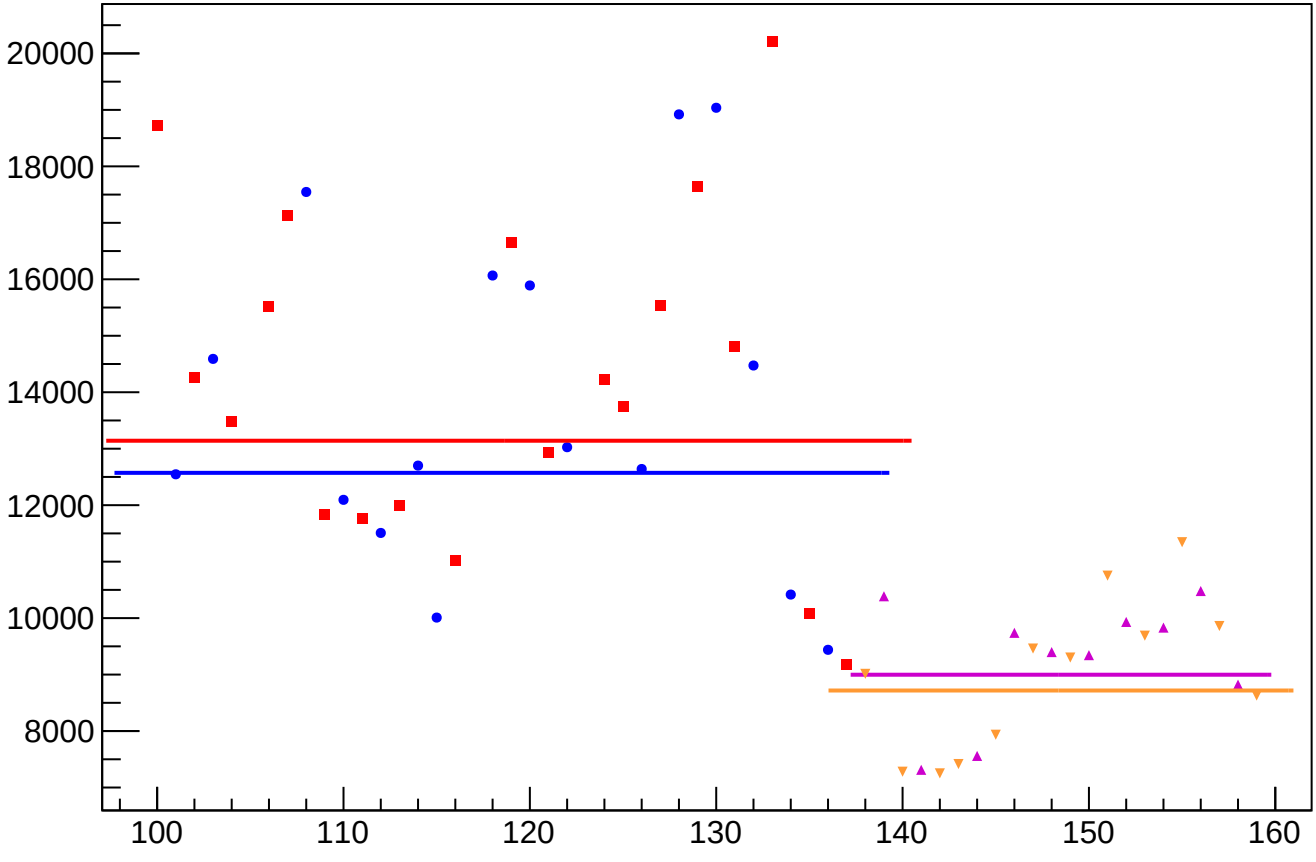
In: 6990.764+/-1.274 χ^2/NDF:1532813.4/25

Out: 7055.912+/-1.239 χ^2/NDF:1249653.5/30

All: 7024.235+/-0.888 χ^2/NDF: 2783811.3/56


diff_bpm4ecX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -8.352+/-4.814 χ²/NDF: 23.2/15
Left Out: -11.886+/-2.862 χ²/NDF:30.8/11
Right Out: 10.573+/-4.911 χ²/NDF: 12.9/18
Left In: 2.228+/-3.077 χ²/NDF:8.3/9
Left: -5.340+/-2.096 χ²/NDF: 50.4/21
Right: 0.922+/-3.438 χ²/NDF: 43.7/34
In: -0.841+/-2.593 χ²/NDF:35.0/25
Out: -6.193+/-2.473 χ²/NDF:59.3/30
All: -3.644+/-1.789 χ²/NDF: 96.5/56

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8718.059+/-2.024 χ^2/NDF:371440.3/11

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8997.506+/-2.176 χ^2/NDF:264993.6/9

Left: 8847.660+/-1.482 χ^2/NDF: 645278.9/21

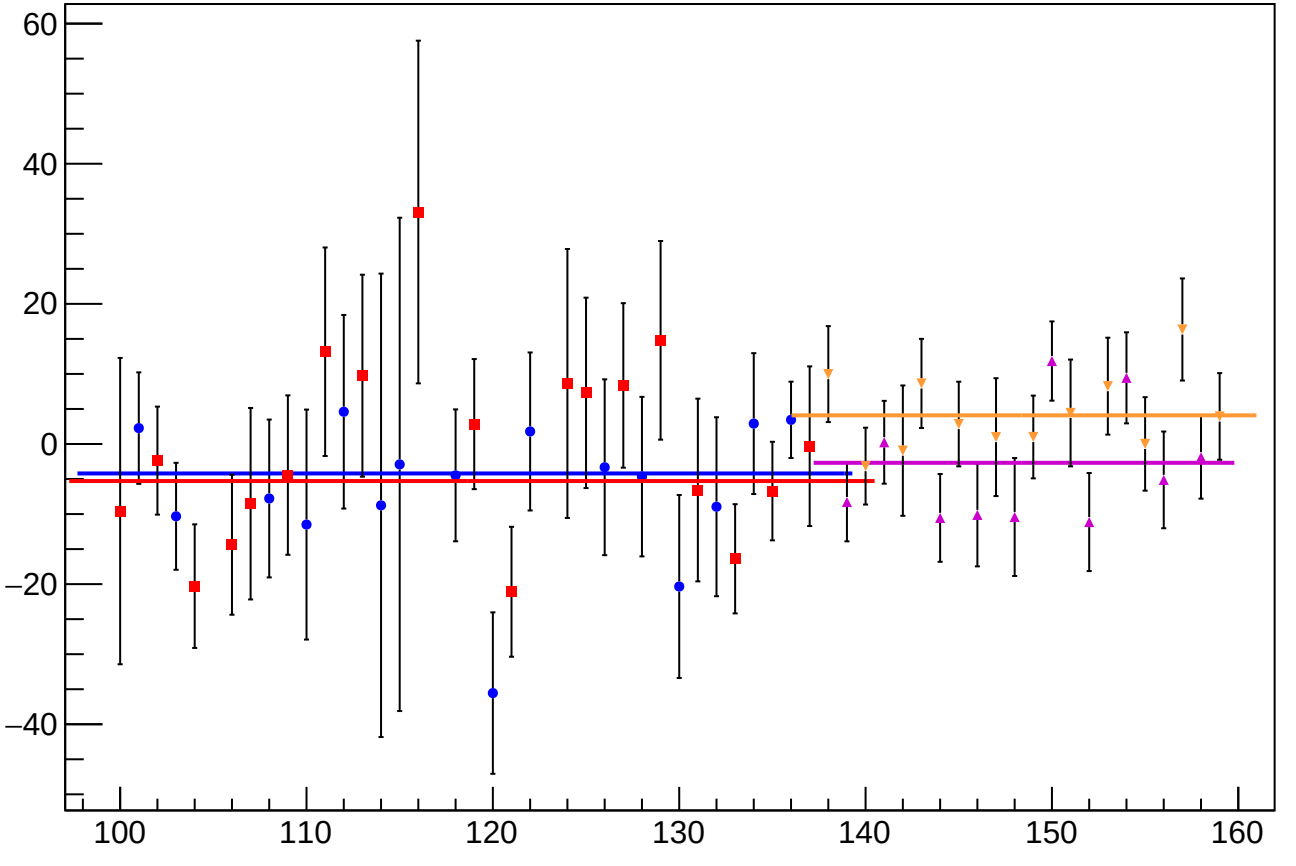
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10034.564+/-1.833 χ^2/NDF:1713170.4/25

Out: 9839.273+/-1.748 χ^2/NDF:2117357.3/30

All: 9932.290+/-1.265 χ^2/NDF: 3836470.5/56

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.091+/-1.937 χ^2/NDF:7.3/11

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.684+/-2.027 χ^2/NDF:16.4/9

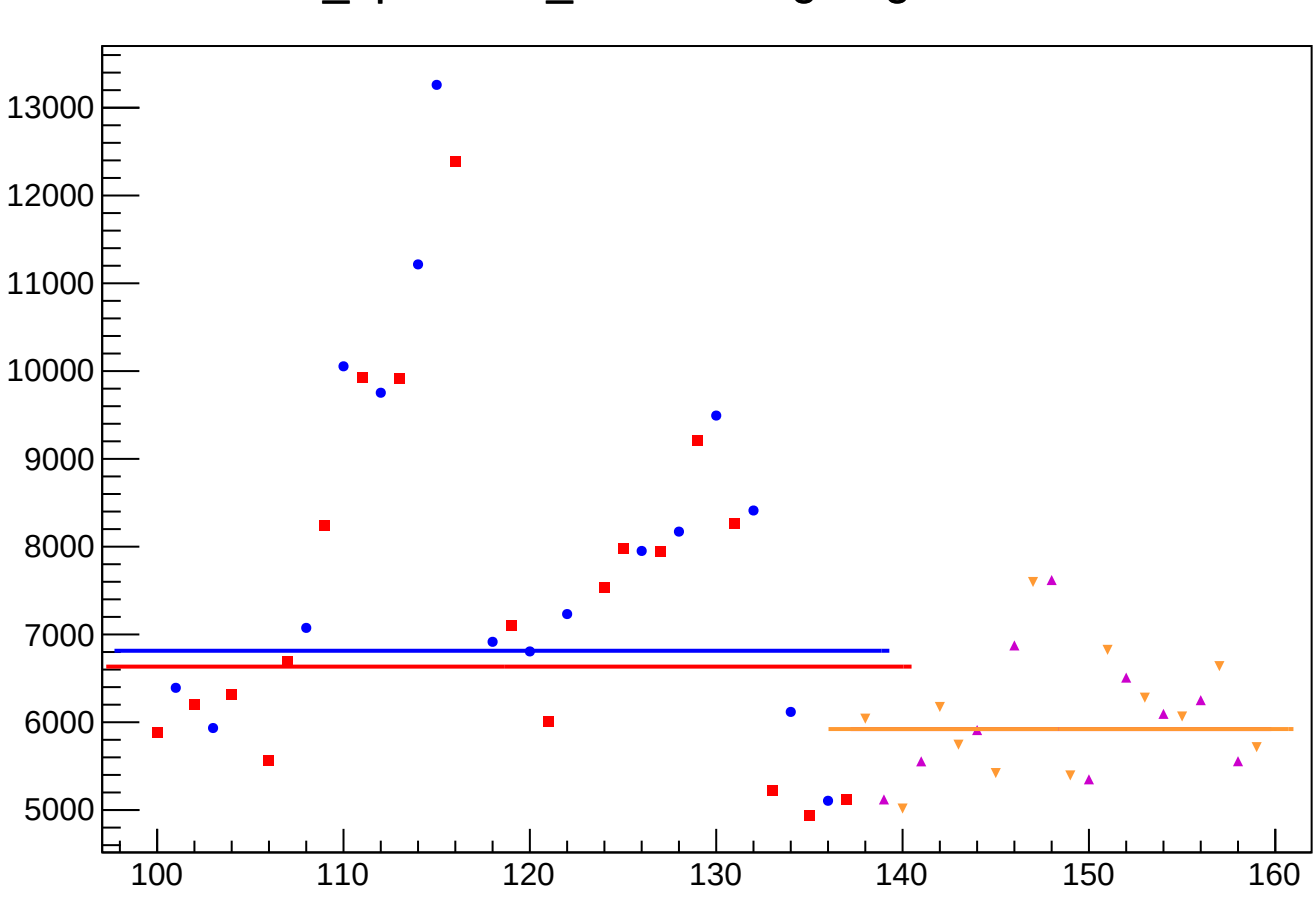
Left: 0.858+/-1.400 χ^2/NDF: 29.5/21

Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.259+/-1.599 χ^2/NDF:30.4/25

Out: 0.577+/-1.531 χ^2/NDF:35.8/30

All: -1.258+/-1.106 χ^2/NDF: 69.3/56



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5922.493+/-1.369 χ^2/NDF:223128.4/11

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5922.408+/-1.433 χ^2/NDF:211616.5/9

Left: 5922.453+/-0.990 χ^2/NDF: 434744.8/21

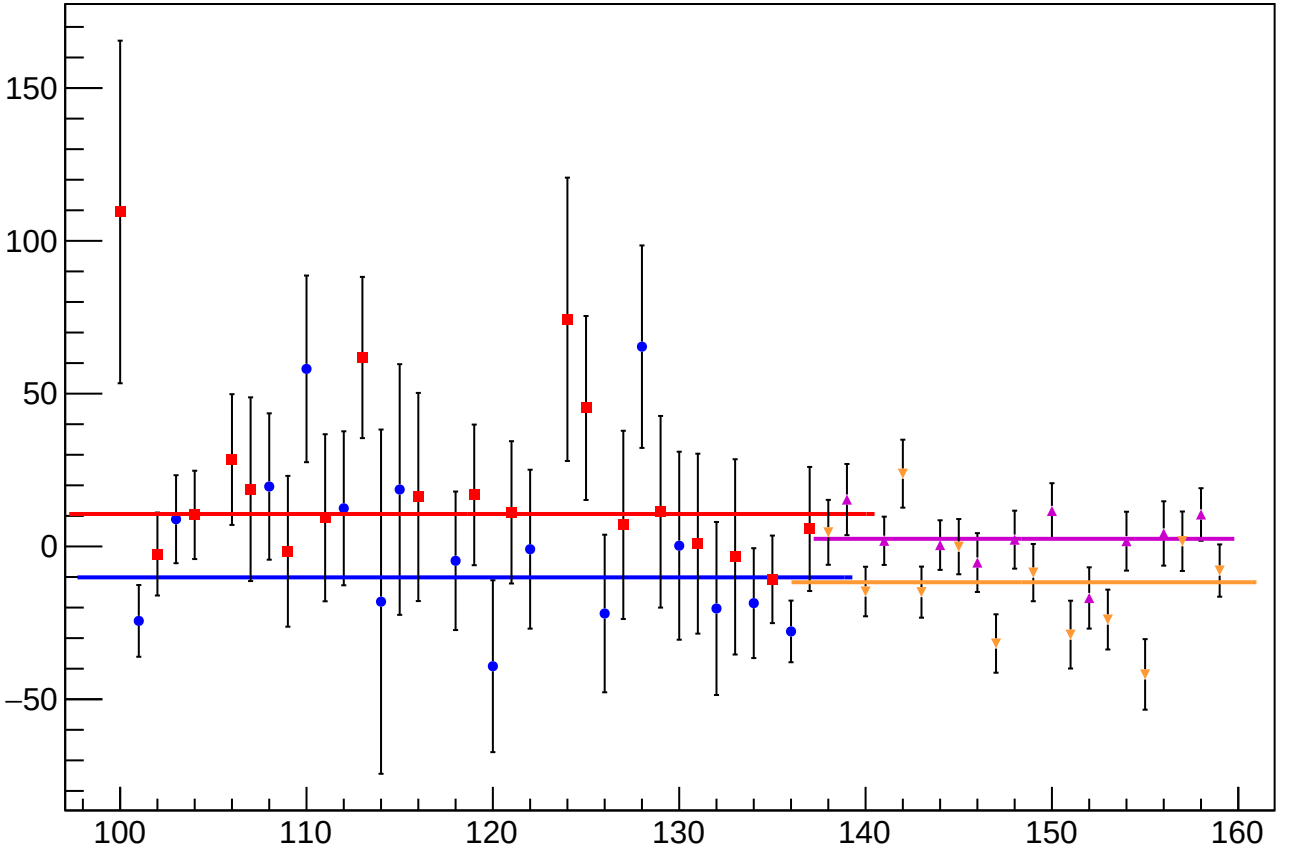
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6259.496+/-1.130 χ^2/NDF:1032060.6/25

Out: 6188.956+/-1.083 χ^2/NDF:1087529.2/30

All: 6222.713+/-0.782 χ^2/NDF: 2121620.4/56

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.713+/-2.759 χ^2/NDF:31.9/11

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 2.492+/-2.938 χ^2/NDF:7.6/9

Left: -5.054+/-2.011 χ^2/NDF: 51.9/21

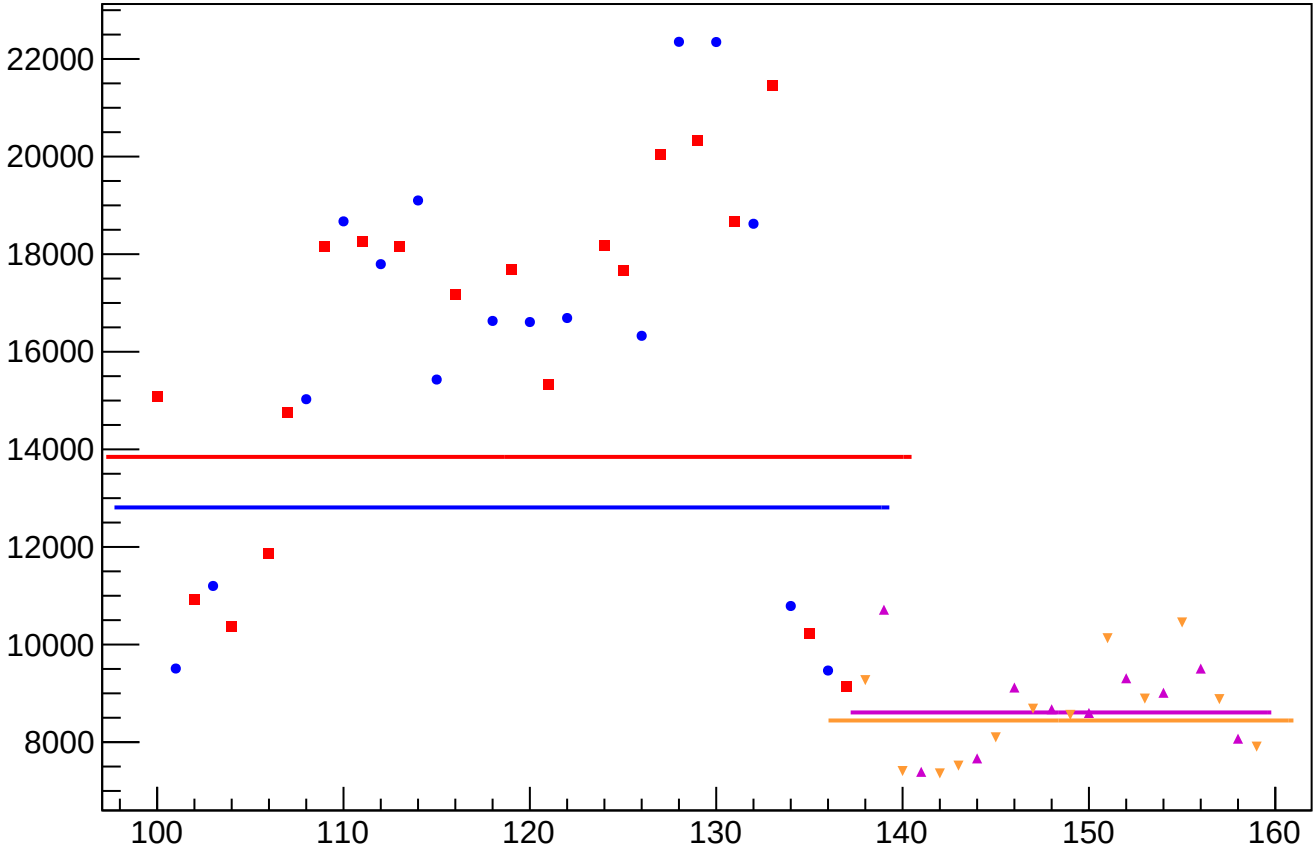
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.726+/-2.535 χ^2/NDF:33.5/25

Out: -6.917+/-2.445 χ^2/NDF:60.7/30

All: -3.933+/-1.760 χ^2/NDF: 97.3/56

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8443.831+/-1.951 χ^2/NDF:215613.0/11

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8608.635+/-2.077 χ^2/NDF:181152.6/9

Left: 8521.081+/-1.422 χ^2/NDF: 400109.8/21

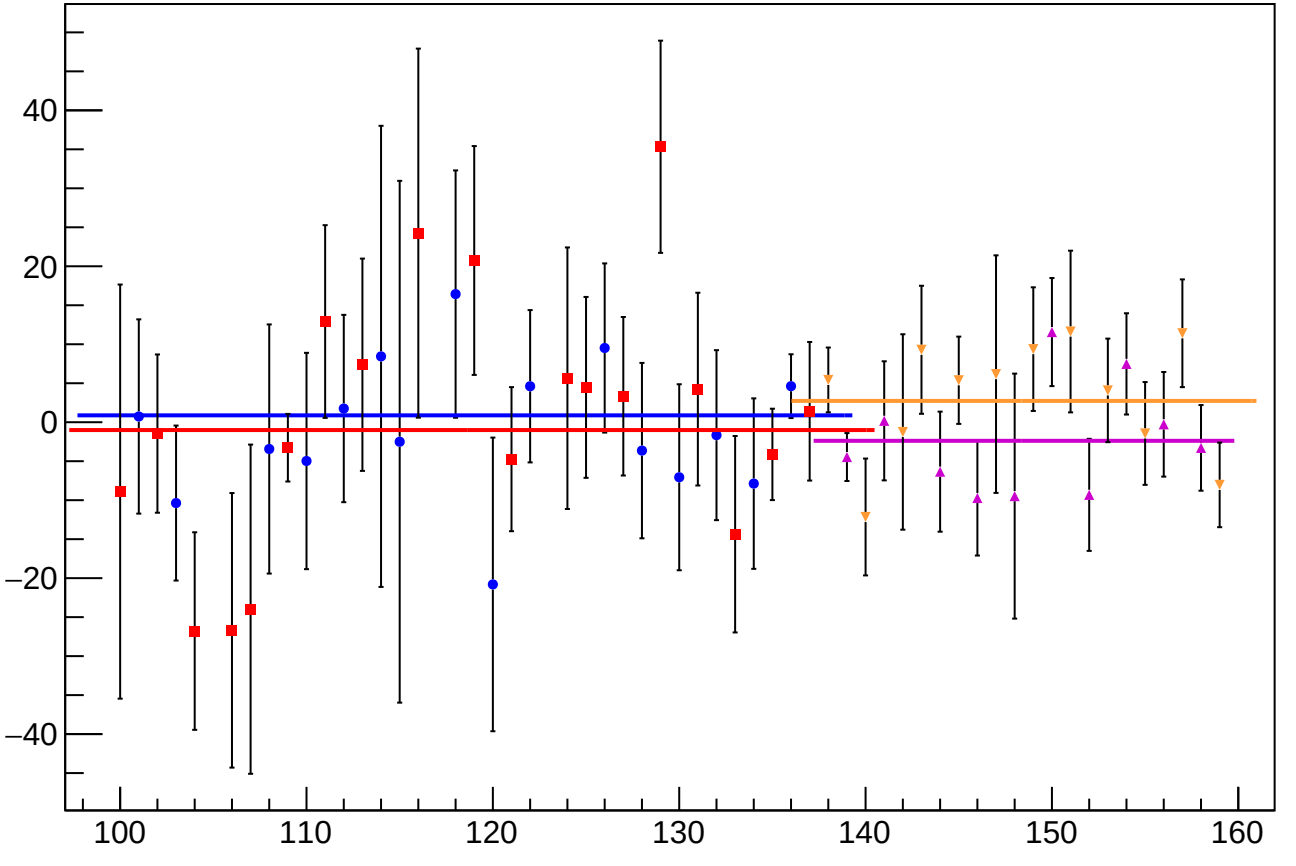
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9681.215+/-1.793 χ^2/NDF:2473787.8/25

Out: 9603.790+/-1.729 χ^2/NDF:2958056.6/30

All: 9641.106+/-1.244 χ^2/NDF: 5432810.9/56

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.734+/-1.965 χ^2/NDF:12.8/11

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -2.384+/-1.884 χ^2/NDF:9.4/9

Left: 0.068+/-1.360 χ^2/NDF: 25.8/21

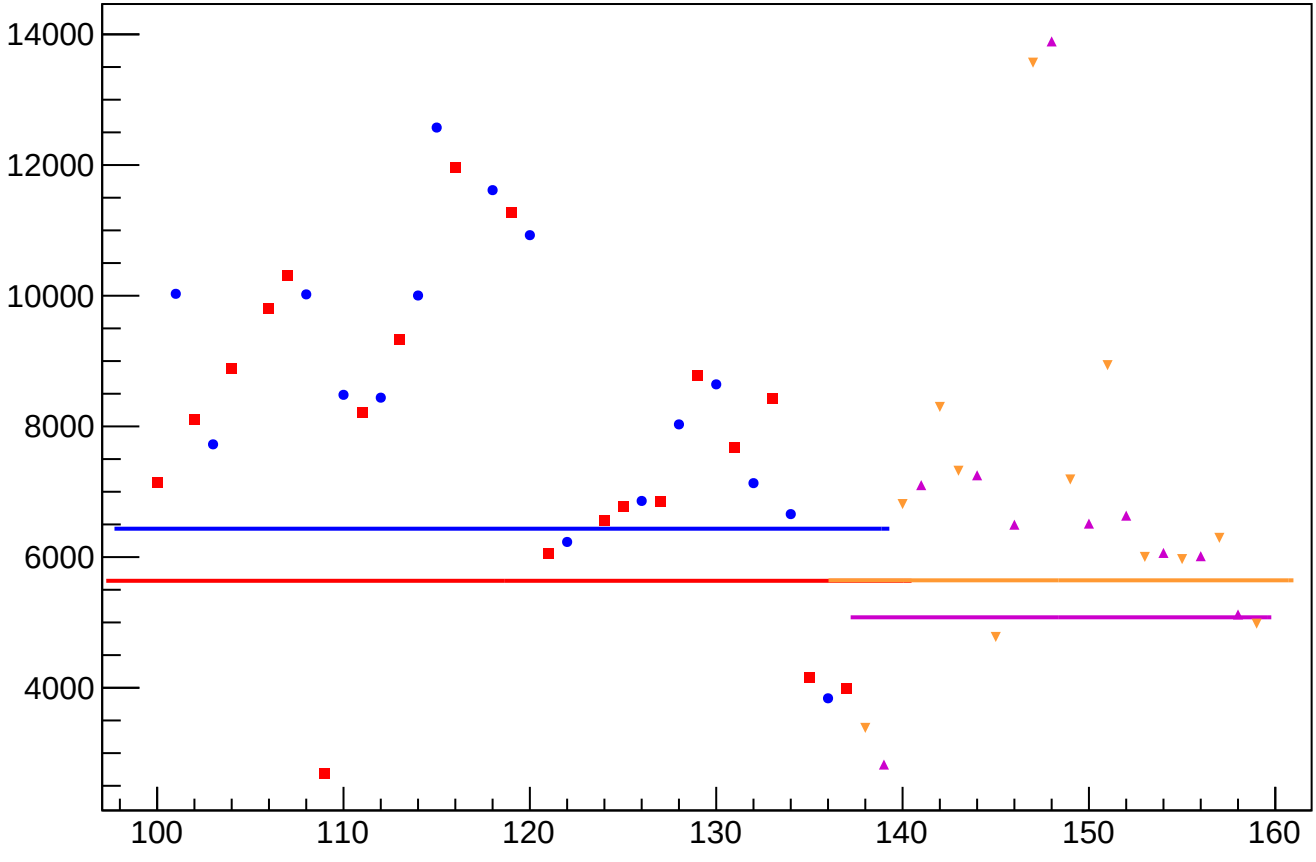
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.240+/-1.519 χ^2/NDF:17.3/25

Out: 1.167+/-1.498 χ^2/NDF:36.6/30

All: -0.020+/-1.066 χ^2/NDF: 55.2/56

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5644.501+/-1.389 χ^2/NDF:1736956.2/11

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5078.582+/-1.332 χ^2/NDF:2343070.4/9

Left: 5349.709+/-0.962 χ^2/NDF: 4166450.4/21

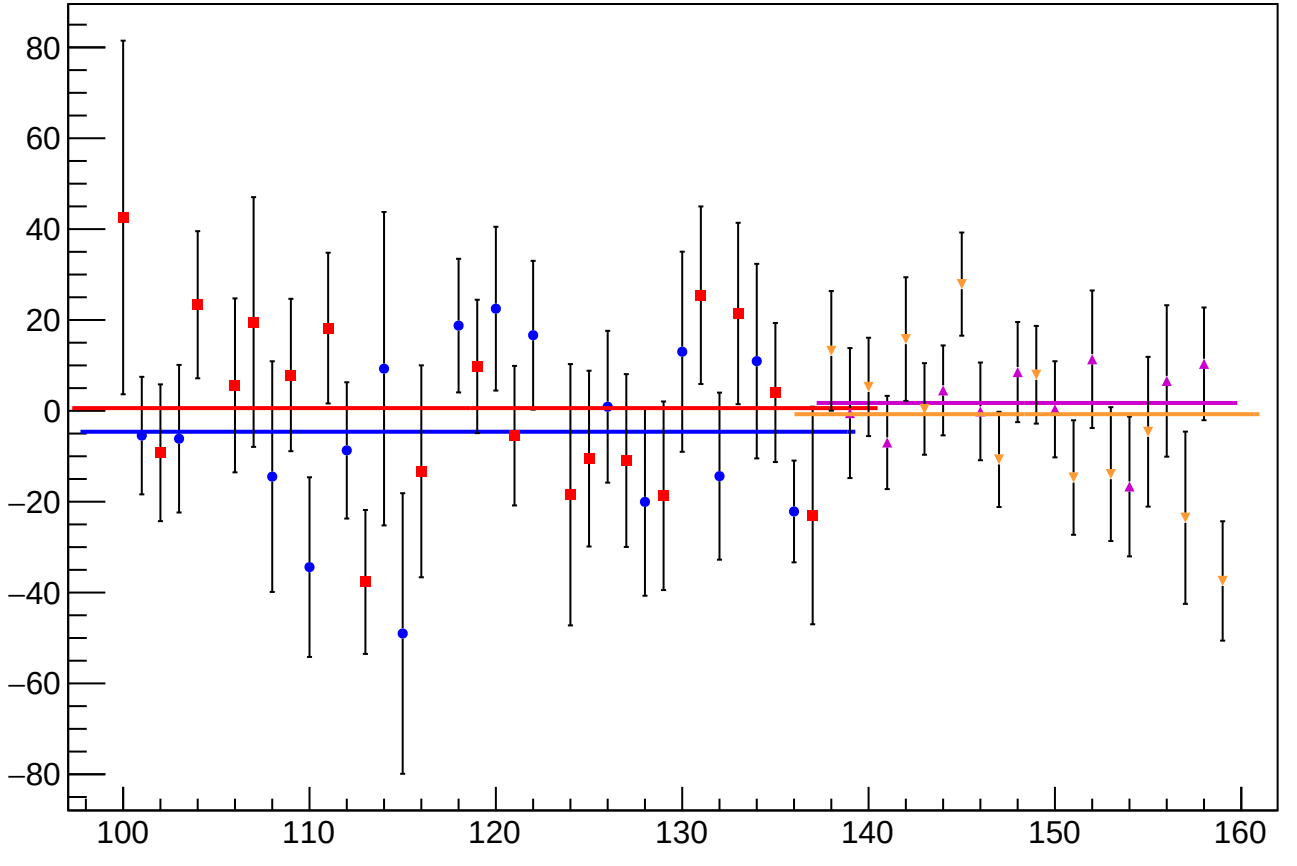
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5553.623+/-1.074 χ^2/NDF:4456497.9/25

Out: 5641.502+/-1.059 χ^2/NDF:4316981.0/30

All: 5598.177+/-0.754 χ^2/NDF: 8776873.4/56

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.737+/-3.575 χ^2/NDF:22.2/11

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.736+/-3.805 χ^2/NDF:3.6/9

Left: 0.423+/-2.605 χ^2/NDF: 26.0/21

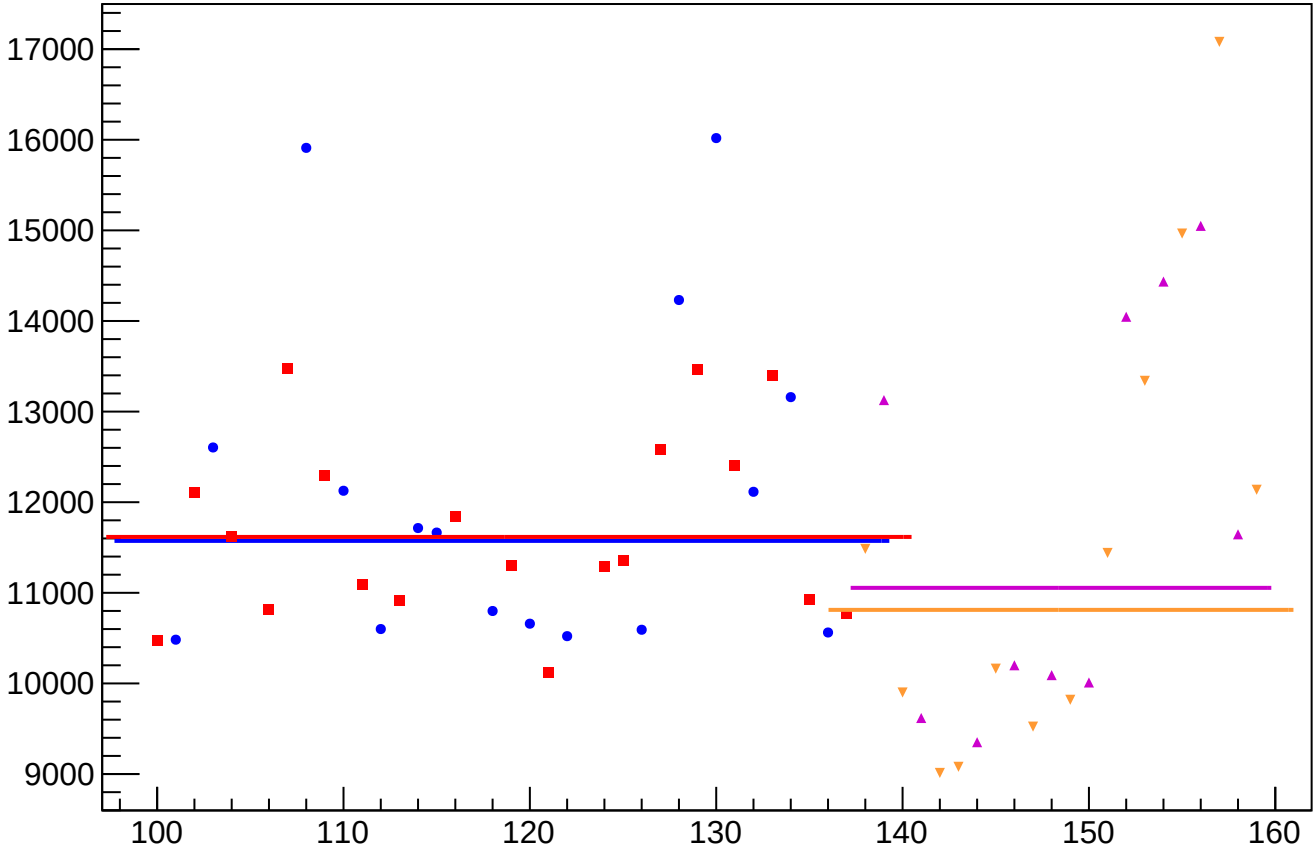
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.007+/-2.865 χ^2/NDF:20.6/25

Out: -0.186+/-2.740 χ^2/NDF:40.1/30

All: -0.578+/-1.980 χ^2/NDF: 60.8/56

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10811.803+/-2.528 χ^2/NDF:597071.0/11

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11054.836+/-2.690 χ^2/NDF:481742.0/9

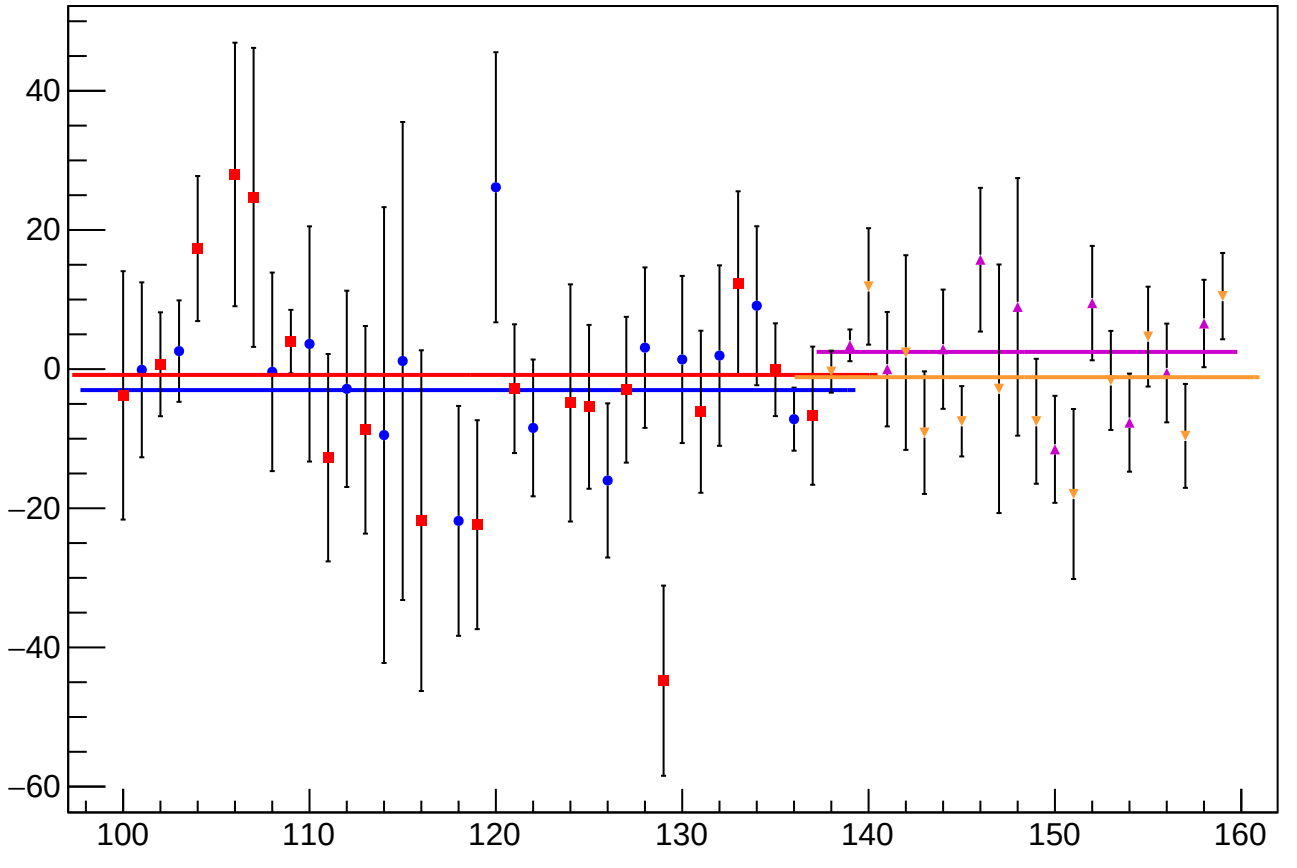
Left: 10925.776+/-1.842 χ^2/NDF: 1083146.6/21

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11279.178+/-2.026 χ^2/NDF:757872.2/25

Out: 11143.894+/-1.938 χ^2/NDF:732059.8/30

All: 11208.526+/-1.400 χ^2/NDF: 1492260.7/5



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.158+/-1.868 χ^2/NDF:12.8/11

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.475+/-1.741 χ^2/NDF:8.8/9

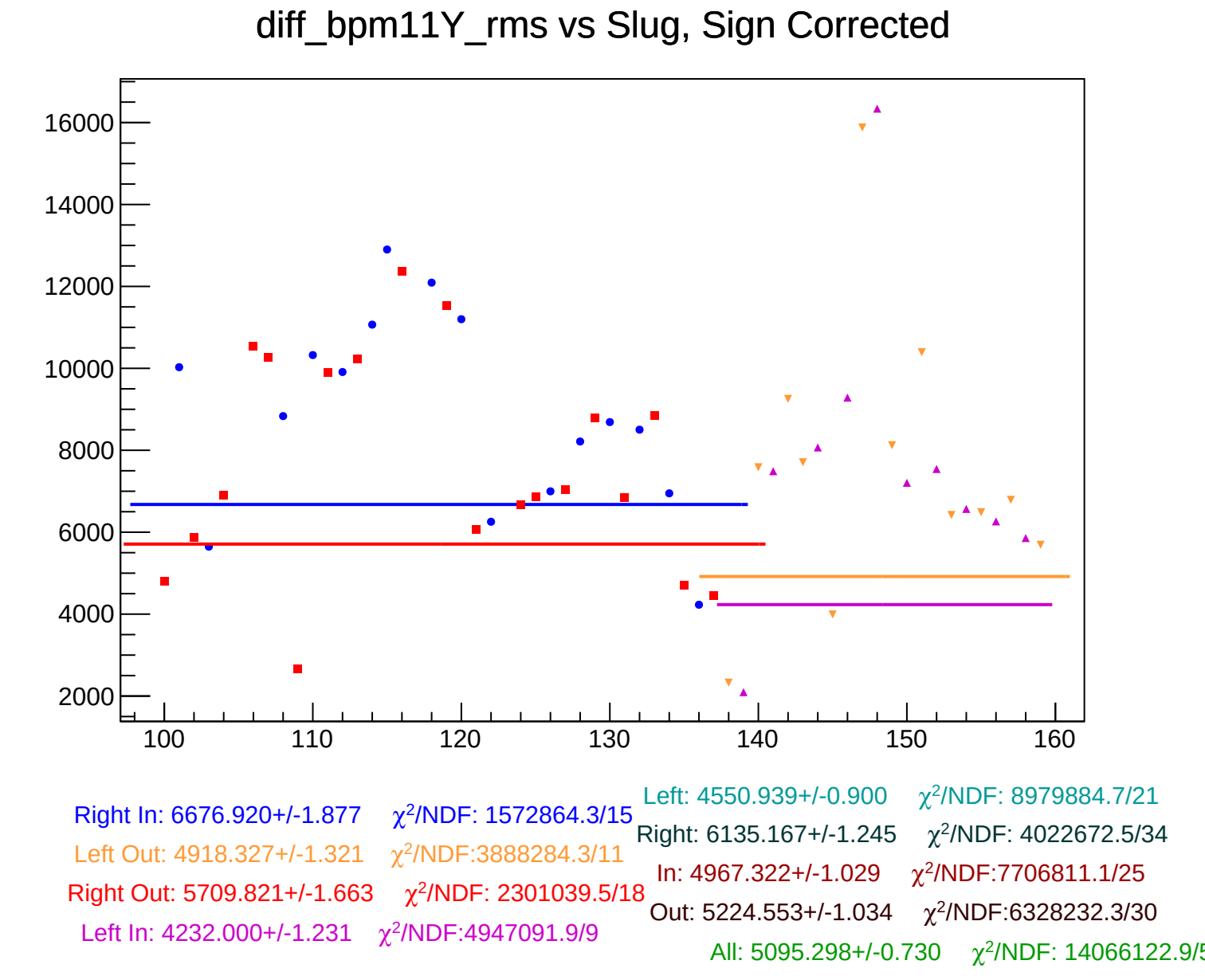
Left: 0.787+/-1.273 χ^2/NDF: 23.6/21

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

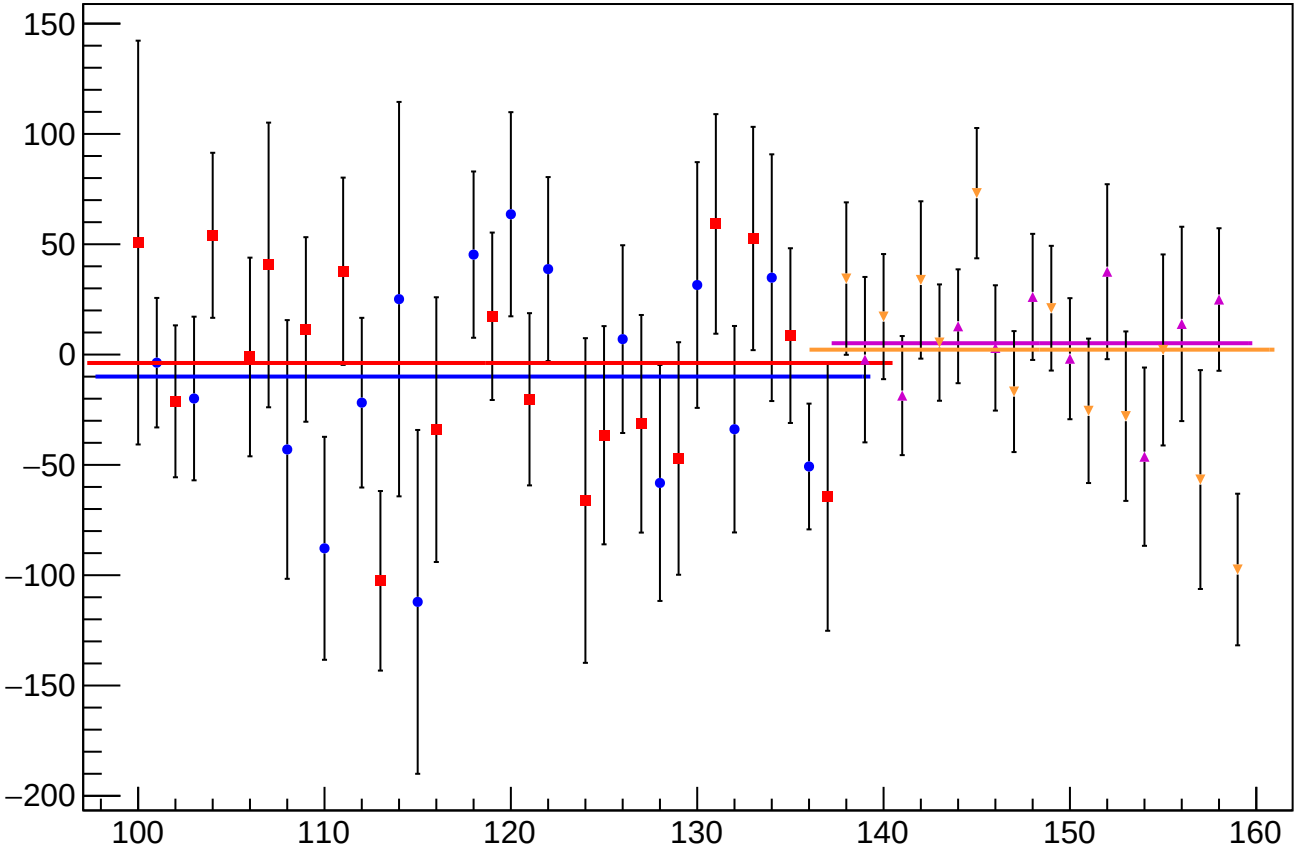
In: 0.824+/-1.455 χ^2/NDF:20.4/25

Out: -1.031+/-1.463 χ^2/NDF:36.7/30

All: -0.099+/-1.032 χ^2/NDF: 57.9/56


diff_bpm11Y_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
Right In: 6676.920+/-1.877 χ²/NDF: 1572864.3/15
Left Out: 4918.327+/-1.321 χ²/NDF:3888284.3/11
Right Out: 5709.821+/-1.663 χ²/NDF: 2301039.5/18
Left In: 4232.000+/-1.231 χ²/NDF:4947091.9/9
Left: 4550.939+/-0.900 χ²/NDF: 8979884.7/21
Right: 6135.167+/-1.245 χ²/NDF: 4022672.5/34
In: 4967.322+/-1.029 χ²/NDF:7706811.1/25
Out: 5224.553+/-1.034 χ²/NDF:6328232.3/30
All: 5095.298+/-0.730 χ²/NDF: 14066122.9/5

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.220+/-9.352 χ^2/NDF:19.8/11

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.145+/-9.950 χ^2/NDF:4.2/9

Left: 3.592+/-6.814 χ^2/NDF: 24.1/21

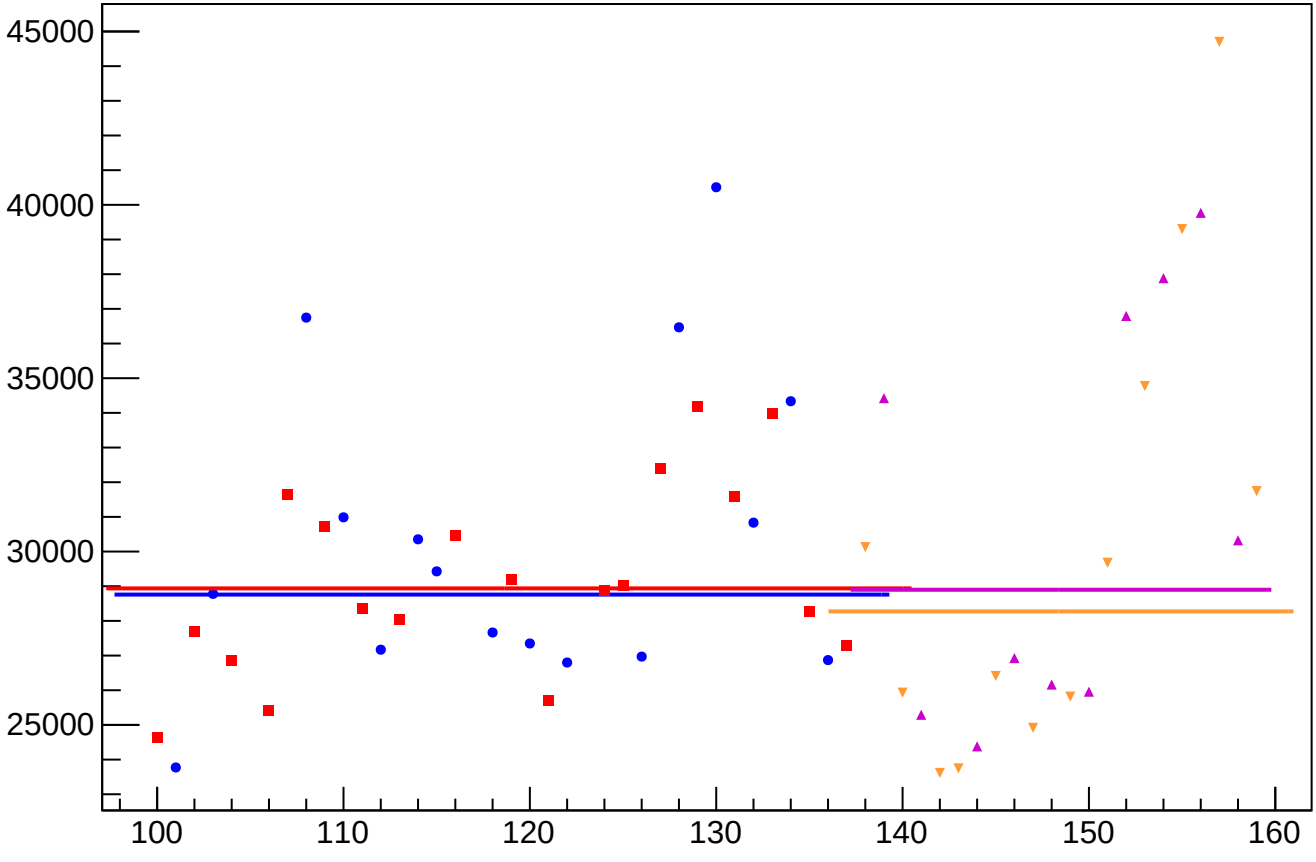
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.769+/-7.329 χ^2/NDF:20.6/25

Out: -0.410+/-7.023 χ^2/NDF:37.3/30

All: -1.061+/-5.071 χ^2/NDF: 57.9/56

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28273.727+/-6.613 χ^2/NDF:596066.5/11

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

Left: 28566.816+/-4.818 χ^2/NDF: 1095627.0/21

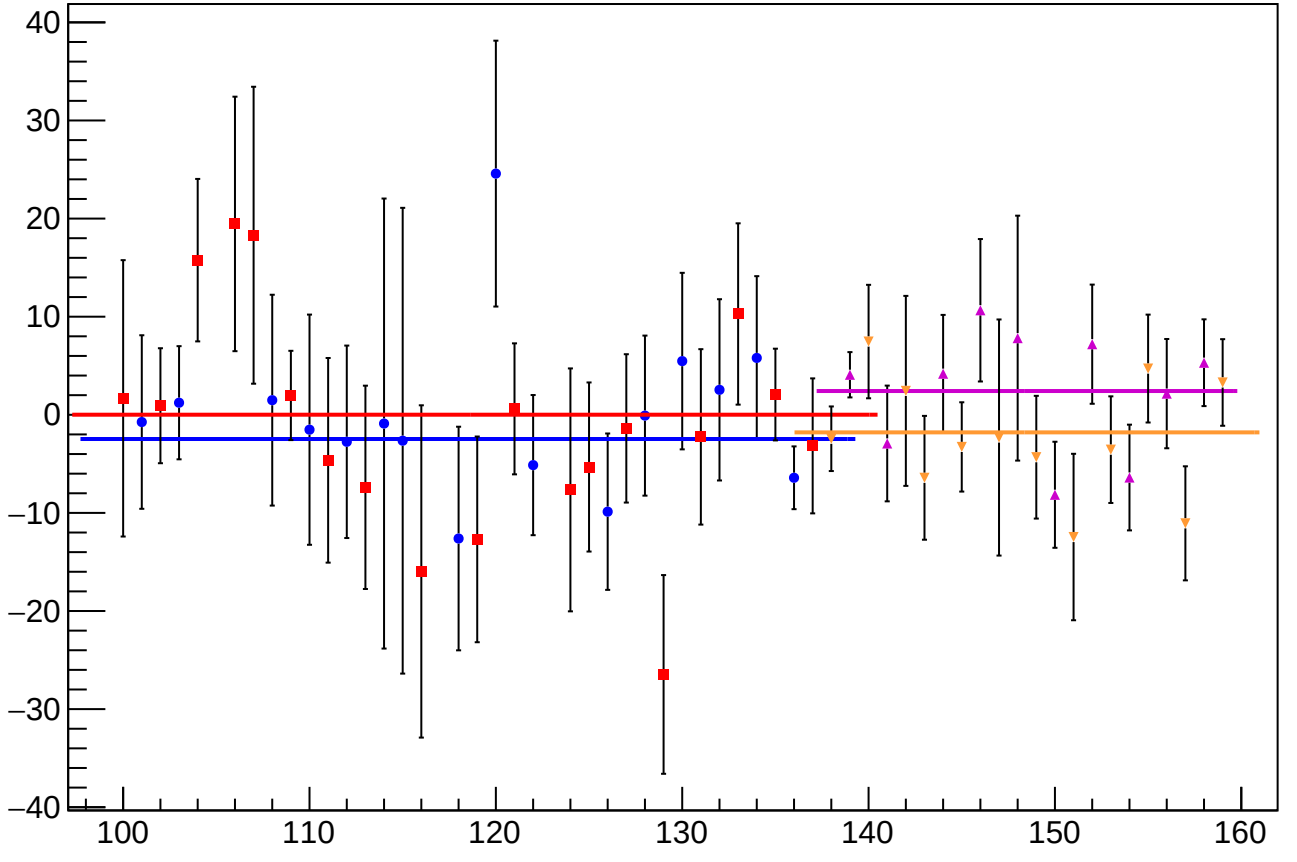
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28834.770+/-5.182 χ^2/NDF:773192.2/25

Out: 28563.195+/-4.966 χ^2/NDF:706727.3/30

All: 28693.200+/-3.586 χ^2/NDF: 1481351.0/5

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.792+/-1.580 χ^2/NDF:10.6/11

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.423+/-1.493 χ^2/NDF:10.4/9

Left: 0.435+/-1.085 χ^2/NDF: 24.8/21

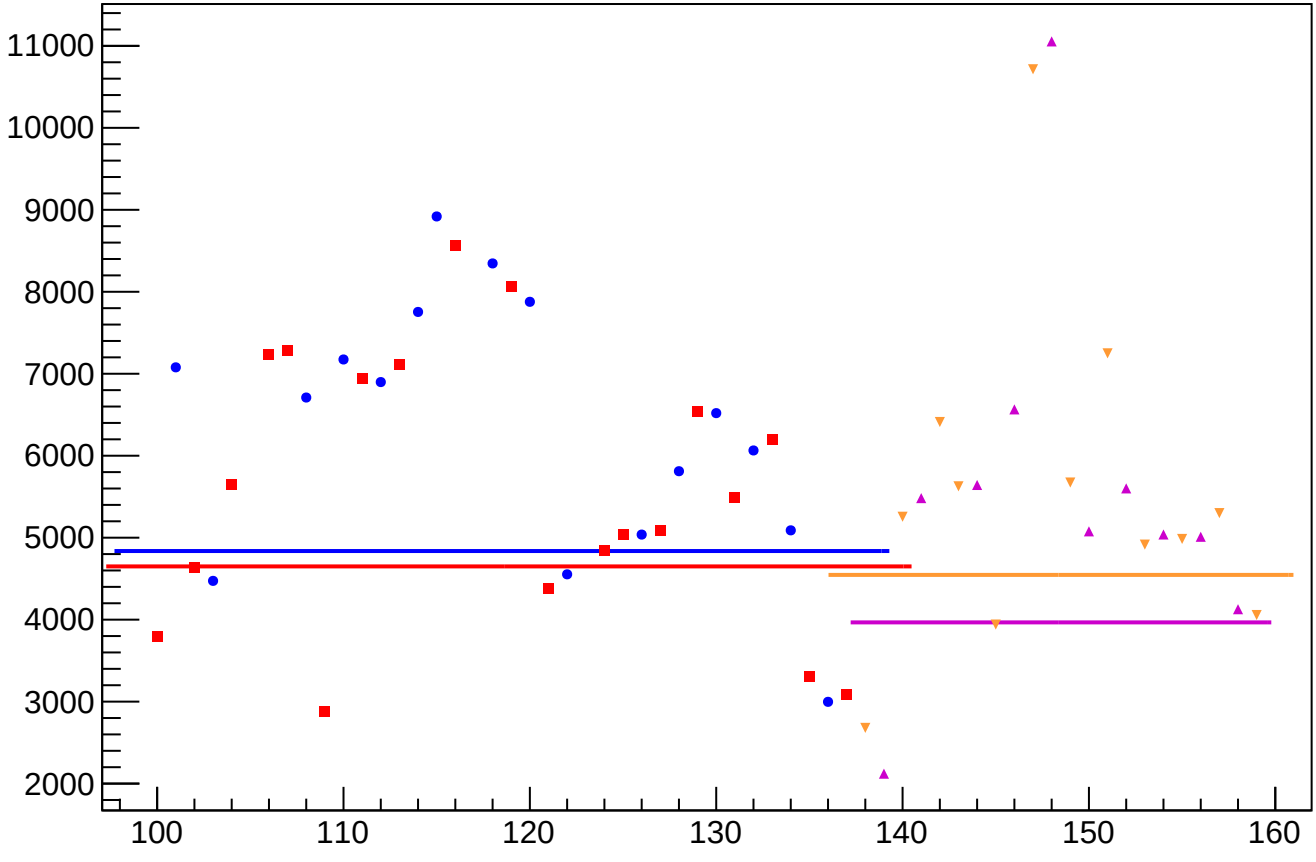
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.575+/-1.178 χ^2/NDF:24.5/25

Out: -1.022+/-1.196 χ^2/NDF:31.1/30

All: -0.211+/-0.839 χ^2/NDF: 56.5/56

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4546.027+/-1.117 χ^2/NDF:1714745.9/11

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 3966.653+/-1.056 χ^2/NDF:2849244.8/9

Left: 4239.874+/-0.767 χ^2/NDF: 4706054.0/21

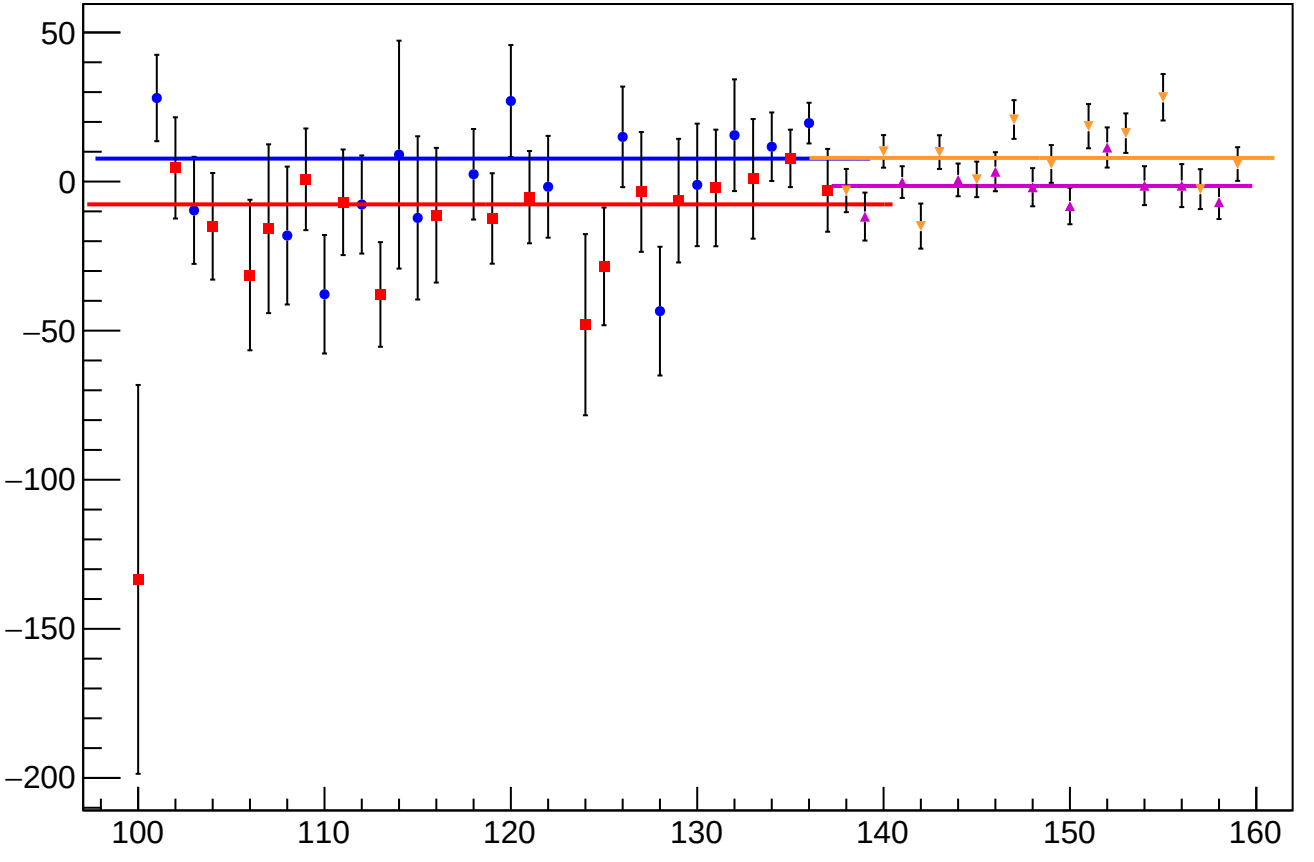
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4295.566+/-0.833 χ^2/NDF:4653974.5/25

Out: 4590.325+/-0.845 χ^2/NDF:3152969.8/30

All: 4440.709+/-0.593 χ^2/NDF: 7868656.4/56

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.925+/-1.859 χ^2/NDF:30.3/11

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -1.472+/-1.985 χ^2/NDF:8.1/9

Left: 3.534+/-1.357 χ^2/NDF: 50.3/21

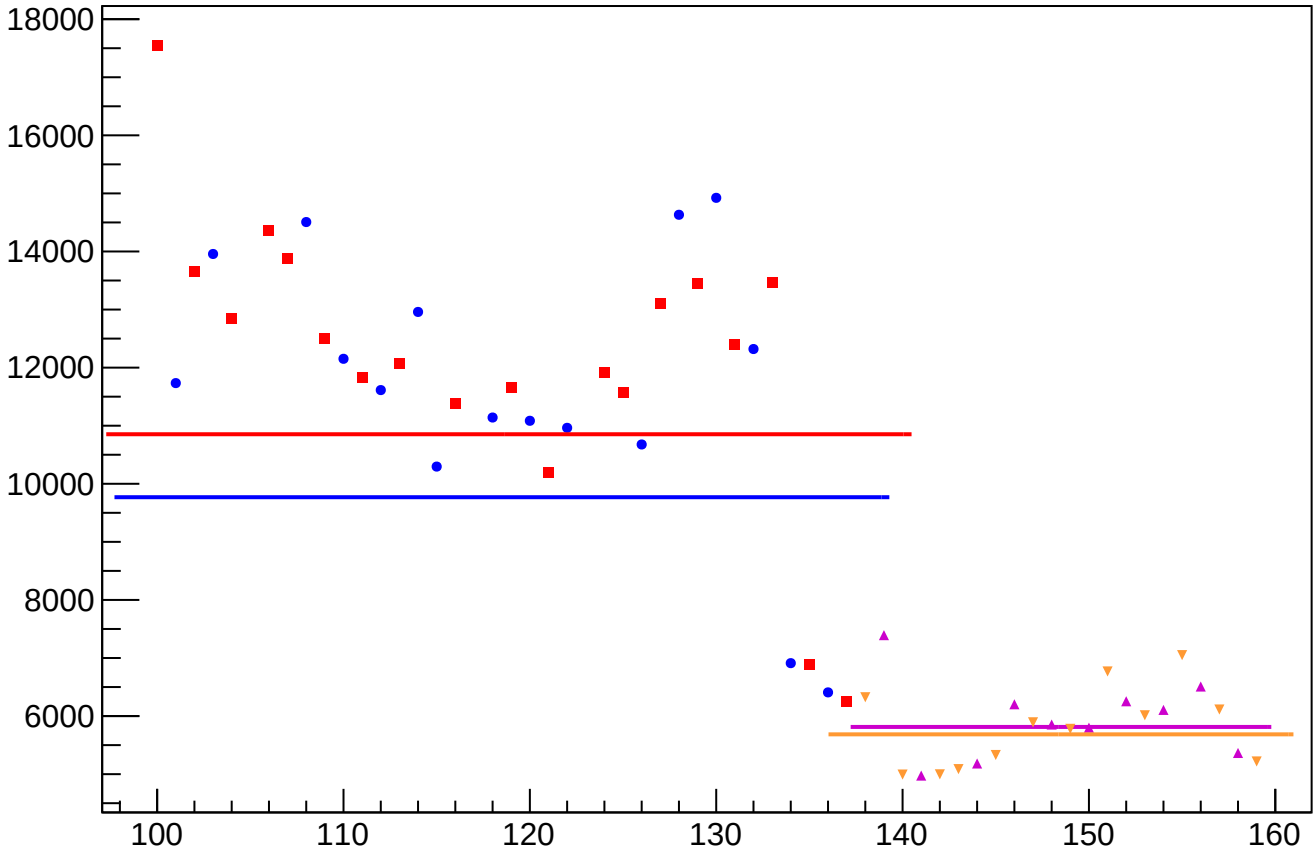
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.478+/-1.761 χ^2/NDF:34.3/25

Out: 5.268+/-1.693 χ^2/NDF:56.8/30

All: 2.967+/-1.221 χ^2/NDF: 94.9/56

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5685.464+/-1.315 χ^2/NDF:227050.7/11

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5813.152+/-1.403 χ^2/NDF:204123.2/9

Left: 5745.134+/-0.959 χ^2/NDF: 435583.2/21

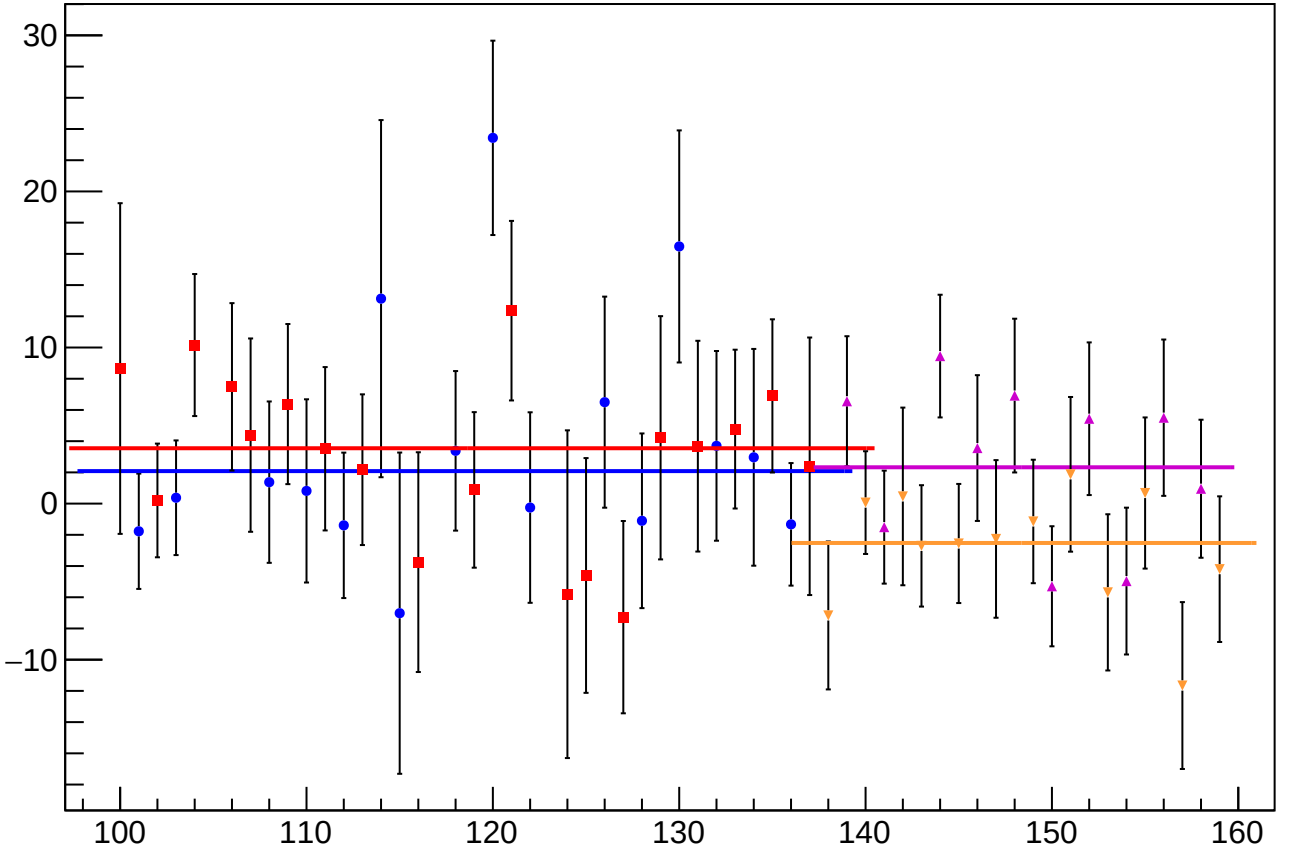
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6654.098+/-1.245 χ^2/NDF:3106635.4/25

Out: 6566.961+/-1.197 χ^2/NDF:3737668.6/30

All: 6608.810+/-0.863 χ^2/NDF: 6846848.5/56

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.522+/-1.280 χ^2/NDF:6.7/11

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.327+/-1.372 χ^2/NDF:13.6/9

Left: -0.264+/-0.936 χ^2/NDF: 26.9/21

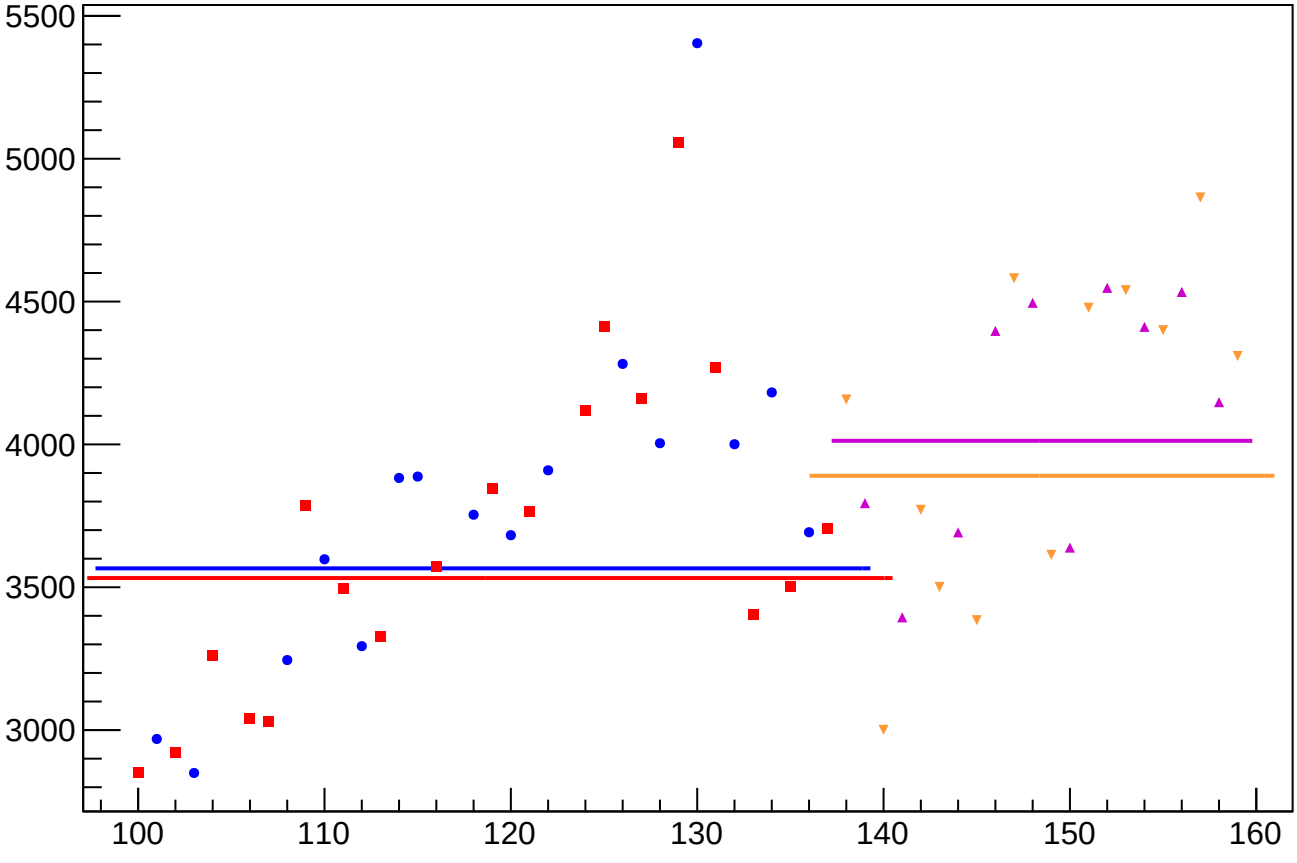
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.202+/-0.961 χ^2/NDF:34.6/25

Out: 0.457+/-0.914 χ^2/NDF:31.1/30

All: 1.286+/-0.662 χ^2/NDF: 67.4/56

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3890.227+/-0.905 χ^2/NDF:422291.6/11

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4012.520+/-0.970 χ^2/NDF:190670.2/9

Left: 3947.166+/-0.662 χ^2/NDF: 621455.8/21

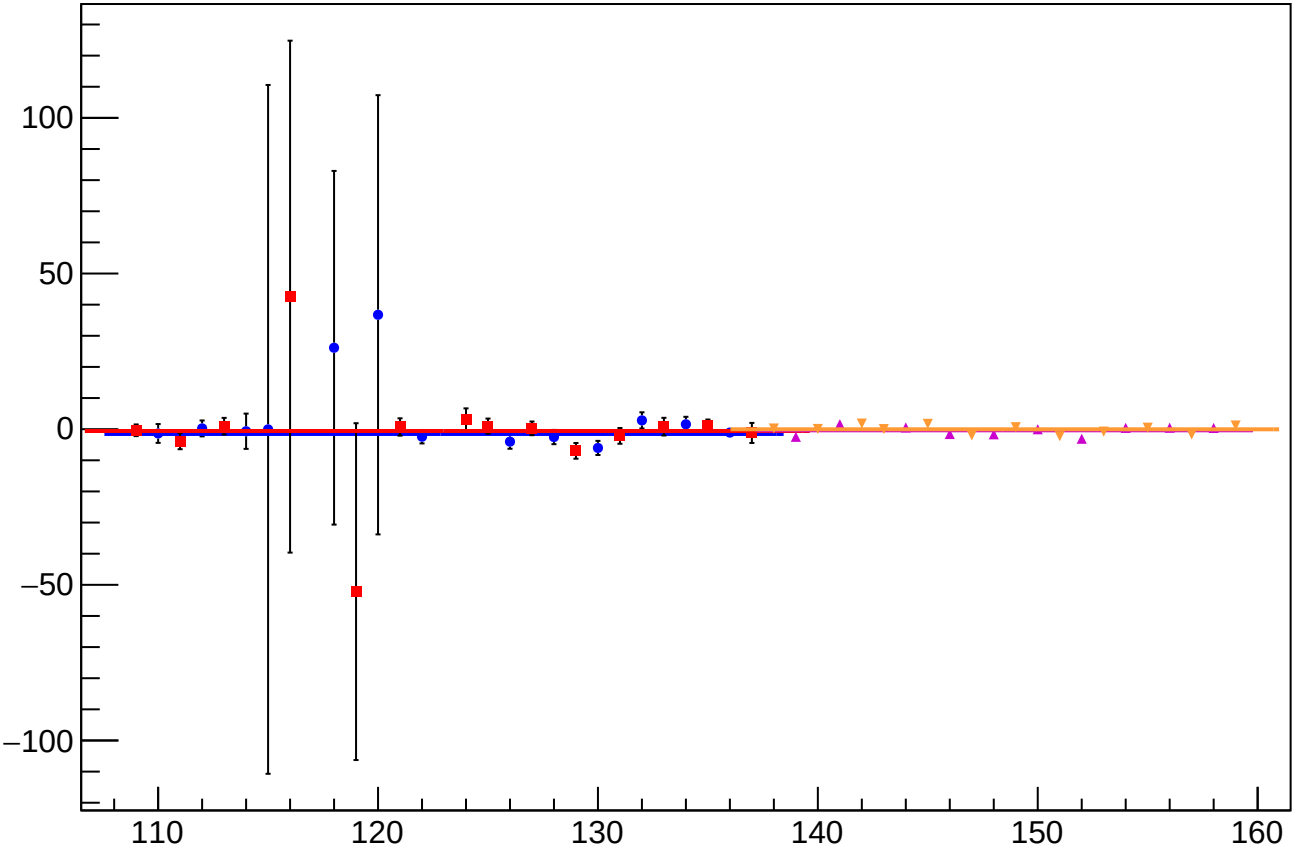
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3784.982+/-0.679 χ^2/NDF:639717.4/25

Out: 3714.493+/-0.646 χ^2/NDF:777735.2/30

All: 3747.978+/-0.468 χ^2/NDF: 1423107.1/56

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.042+/-0.329 χ^2/NDF:14.9/11

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.360+/-0.341 χ^2/NDF:18.0/9

Left: -0.195+/-0.237 χ^2/NDF: 33.4/21

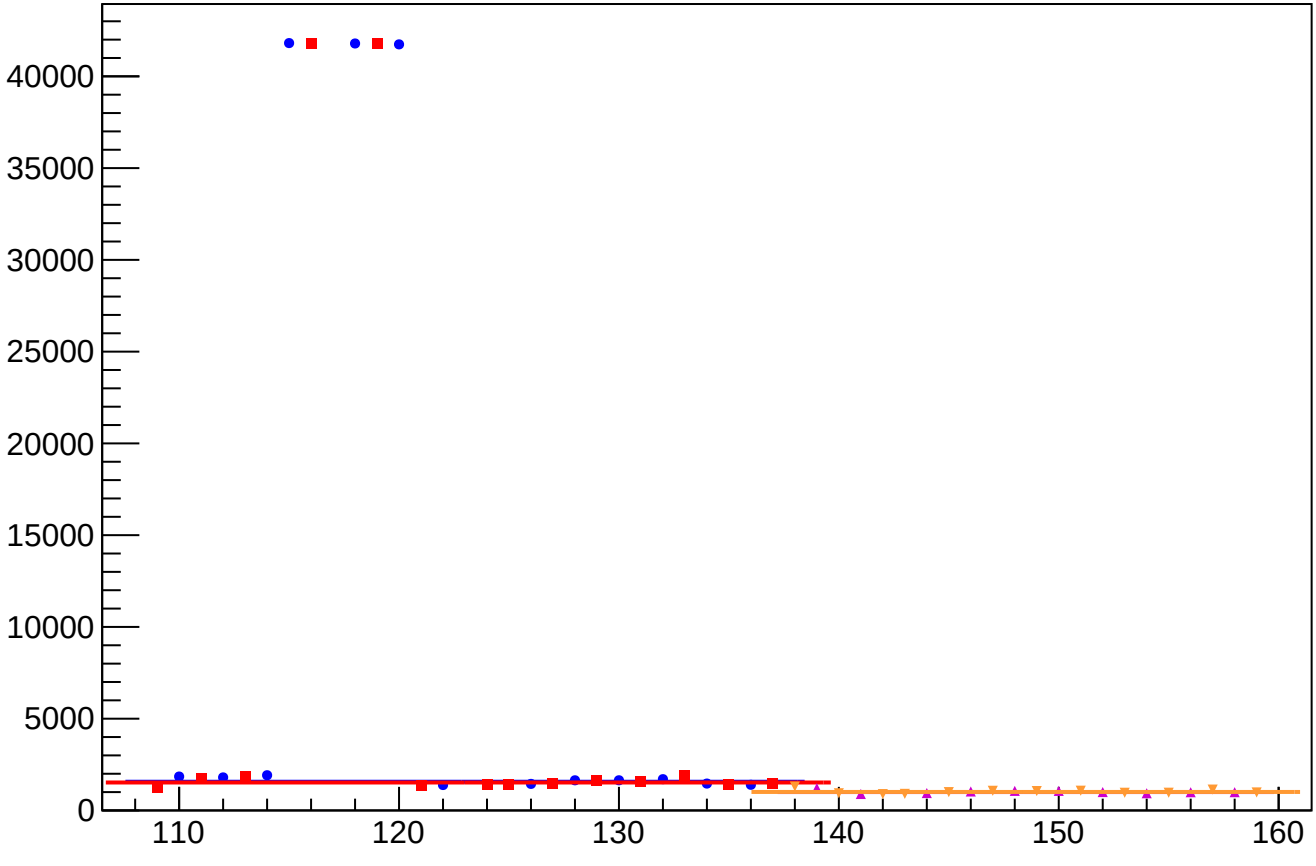
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.570+/-0.310 χ^2/NDF:31.2/22

Out: -0.137+/-0.299 χ^2/NDF:28.1/25

All: -0.346+/-0.215 χ^2/NDF: 60.3/48

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1008.143+/-0.232 χ^2/NDF:169879.2/11

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1002.864+/-0.241 χ^2/NDF:104225.7/9

Left: 1005.604+/-0.167 χ^2/NDF: 274352.9/21

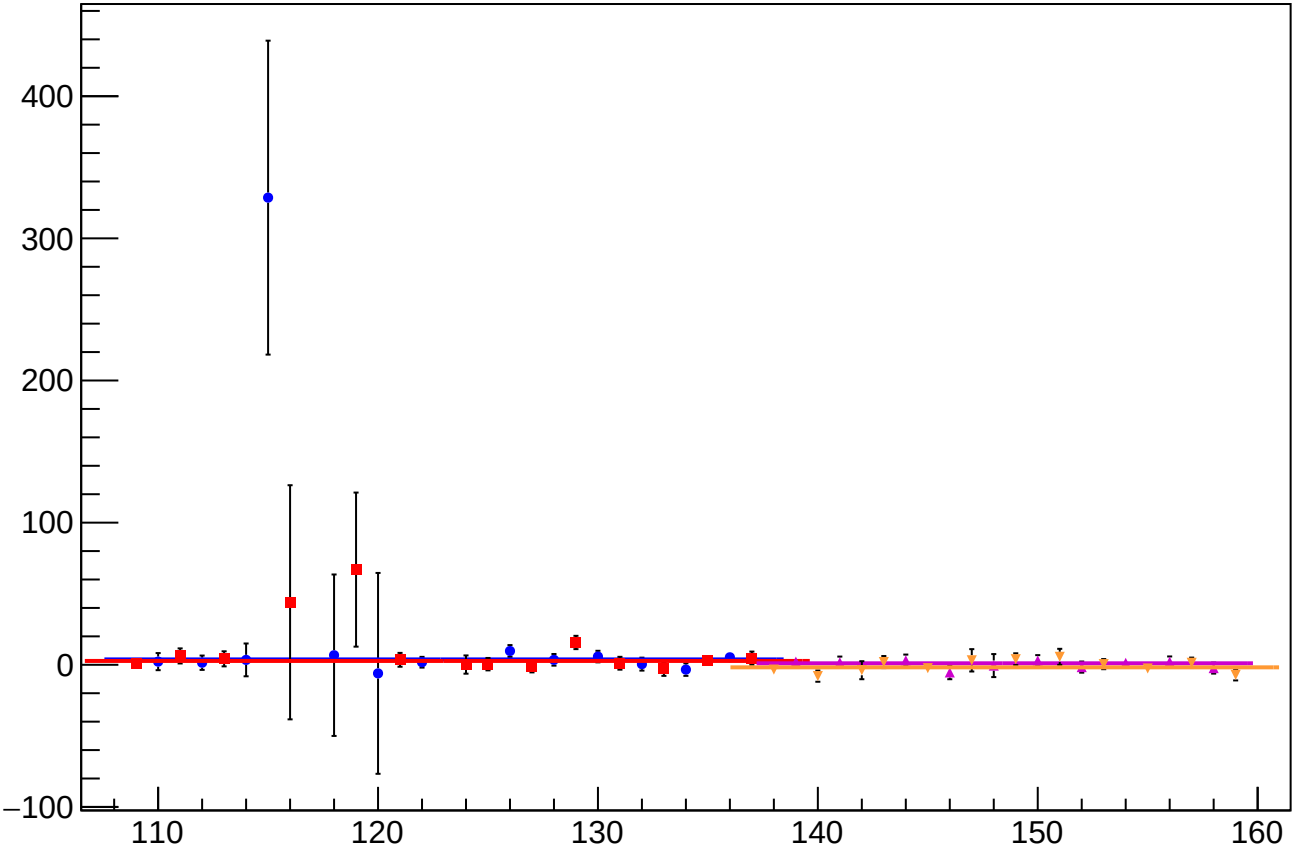
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1103.056+/-0.219 χ^2/NDF:3085943.4/22

Out: 1097.661+/-0.211 χ^2/NDF:2763739.4/25

All: 1100.264+/-0.152 χ^2/NDF: 5849997.4/48

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.799+/-1.078 χ^2/NDF:11.0/11

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.041+/-1.140 χ^2/NDF:4.1/9

Left: -0.459+/-0.783 χ^2/NDF: 18.3/21

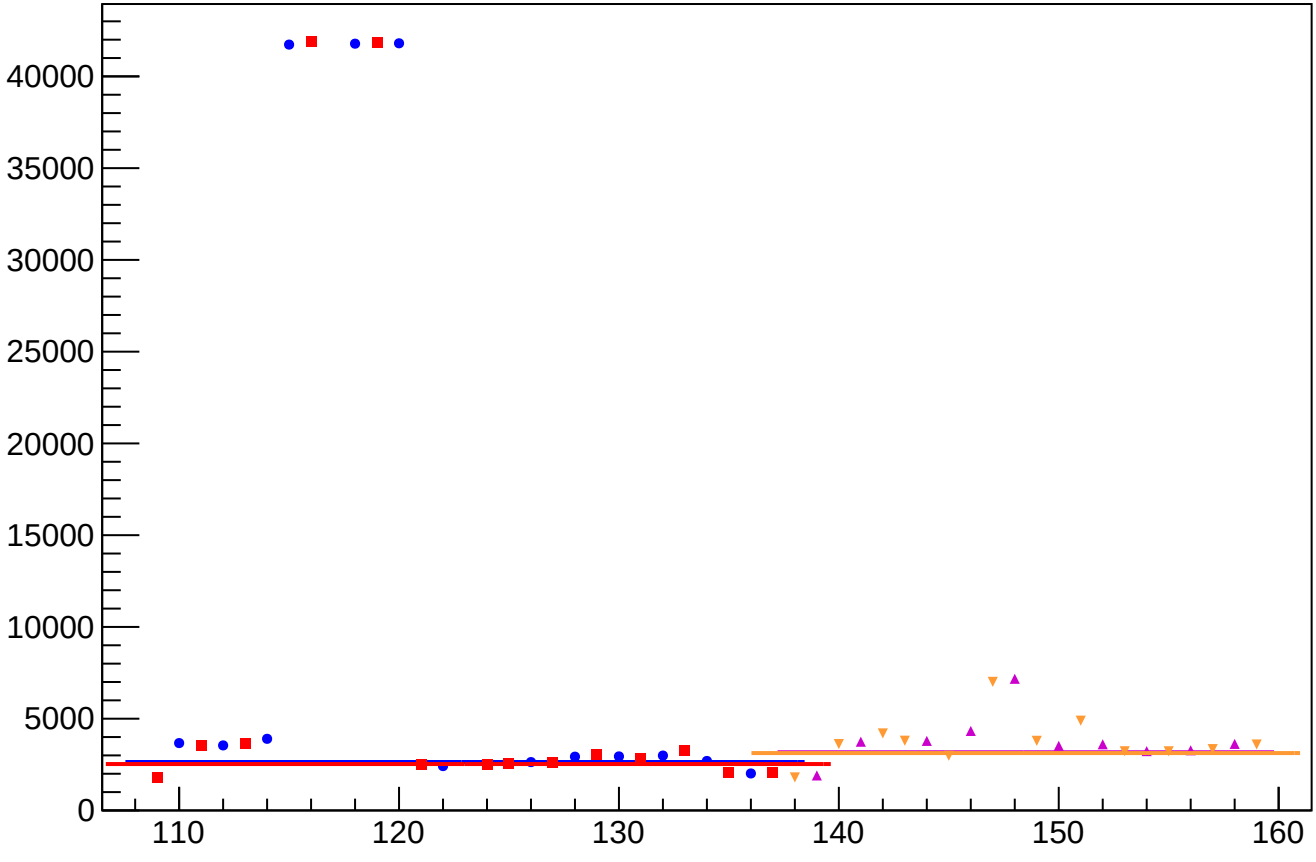
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.285+/-0.842 χ^2/NDF:21.9/22

Out: 0.194+/-0.805 χ^2/NDF:32.3/25

All: 1.193+/-0.582 χ^2/NDF: 57.4/48

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3127.167+/-0.762 χ^2/NDF:1716331.0/11

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3172.058+/-0.806 χ^2/NDF:1482207.0/9

Left: 3148.353+/-0.554 χ^2/NDF: 3200175.5/21

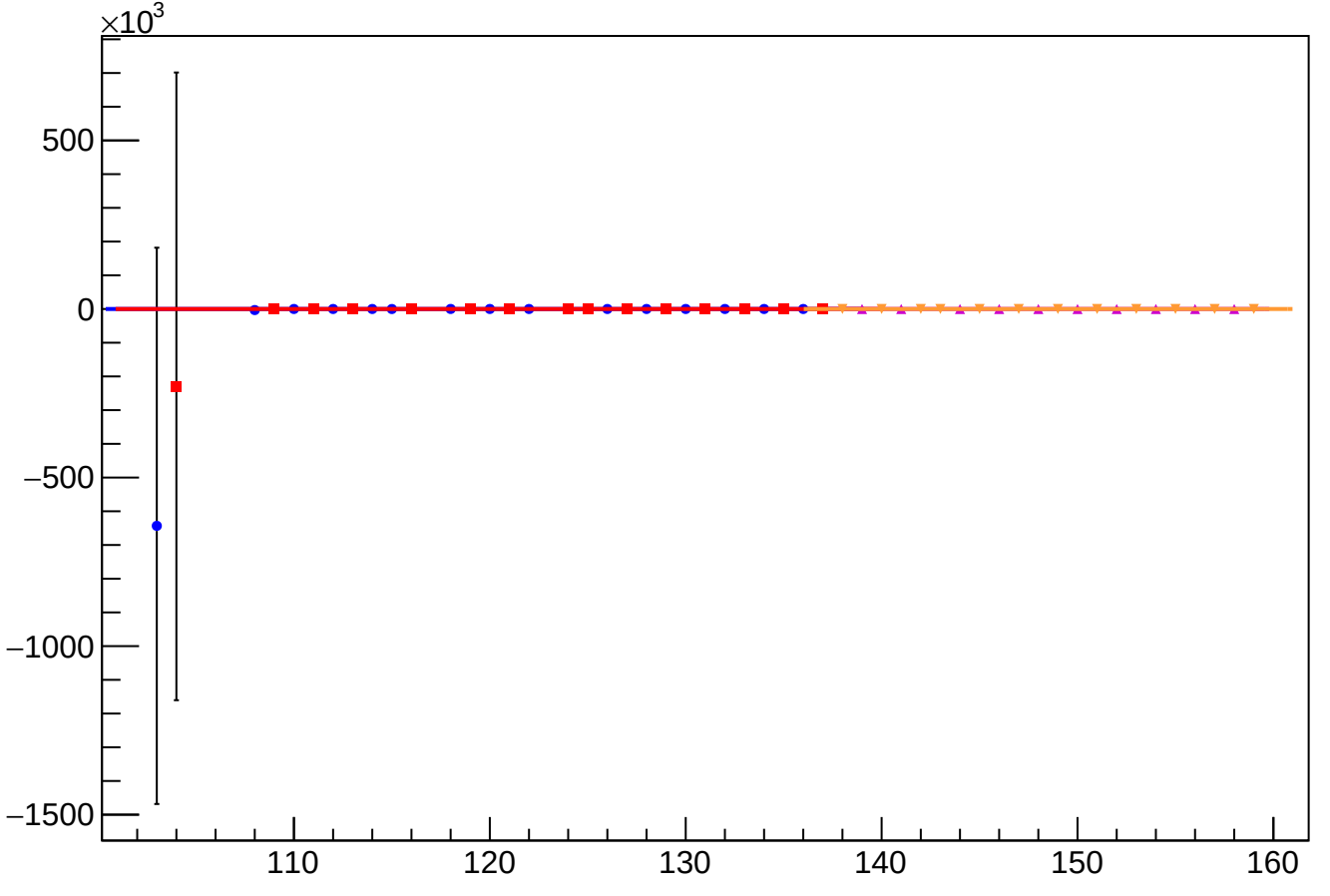
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2930.070+/-0.595 χ^2/NDF:3853738.7/22

Out: 2862.769+/-0.569 χ^2/NDF:3938545.6/25

All: 2894.919+/-0.411 χ^2/NDF: 7798960.9/48

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.834+/-0.513 χ^2/NDF:24.3/11

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.310+/-0.543 χ^2/NDF:11.4/9

Left: -0.824+/-0.373 χ^2/NDF: 43.9/21

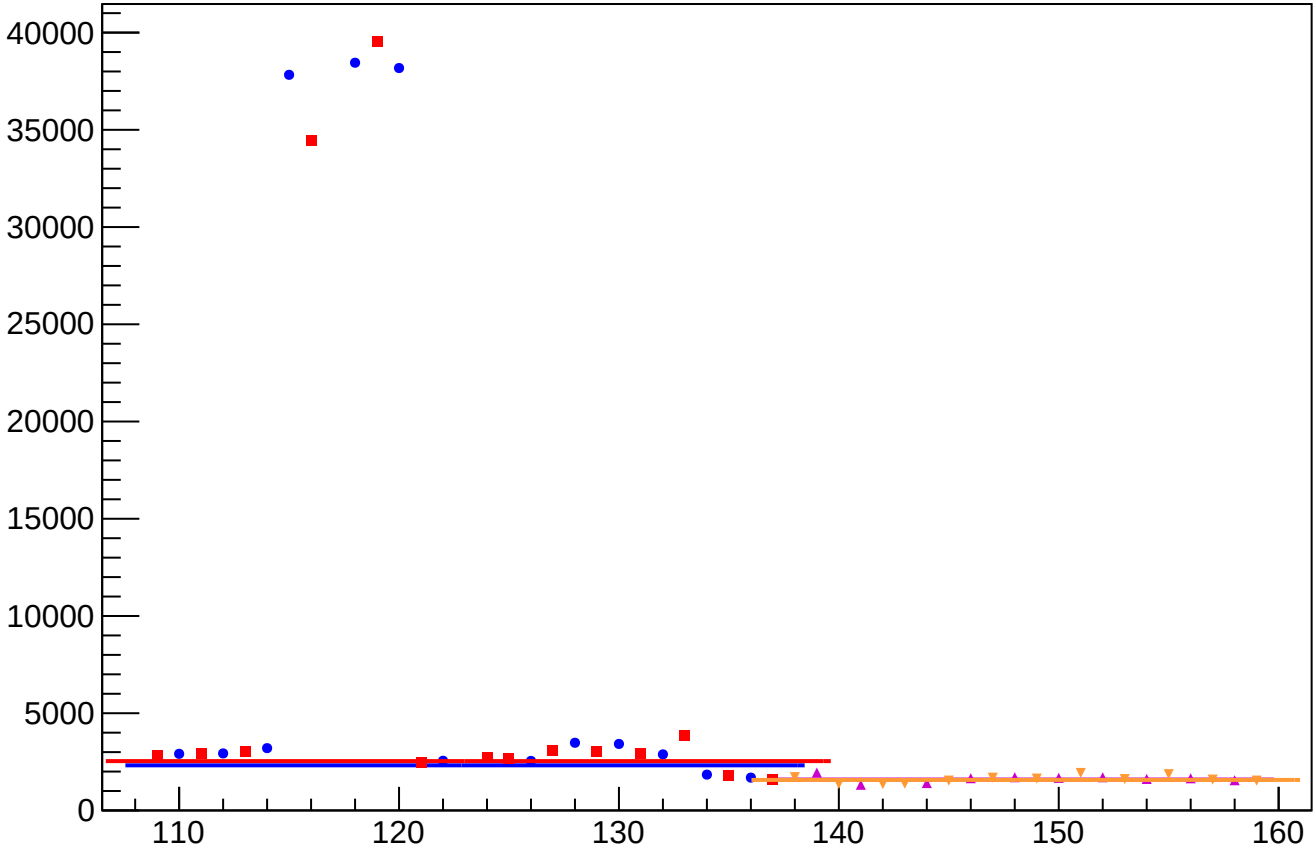
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.022+/-0.489 χ^2/NDF:31.7/24

Out: -1.150+/-0.472 χ^2/NDF:50.5/26

All: -0.584+/-0.340 χ^2/NDF: 85.1/51

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1570.189+/-0.363 χ^2/NDF:217444.6/11

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1590.515+/-0.384 χ^2/NDF:187351.4/9

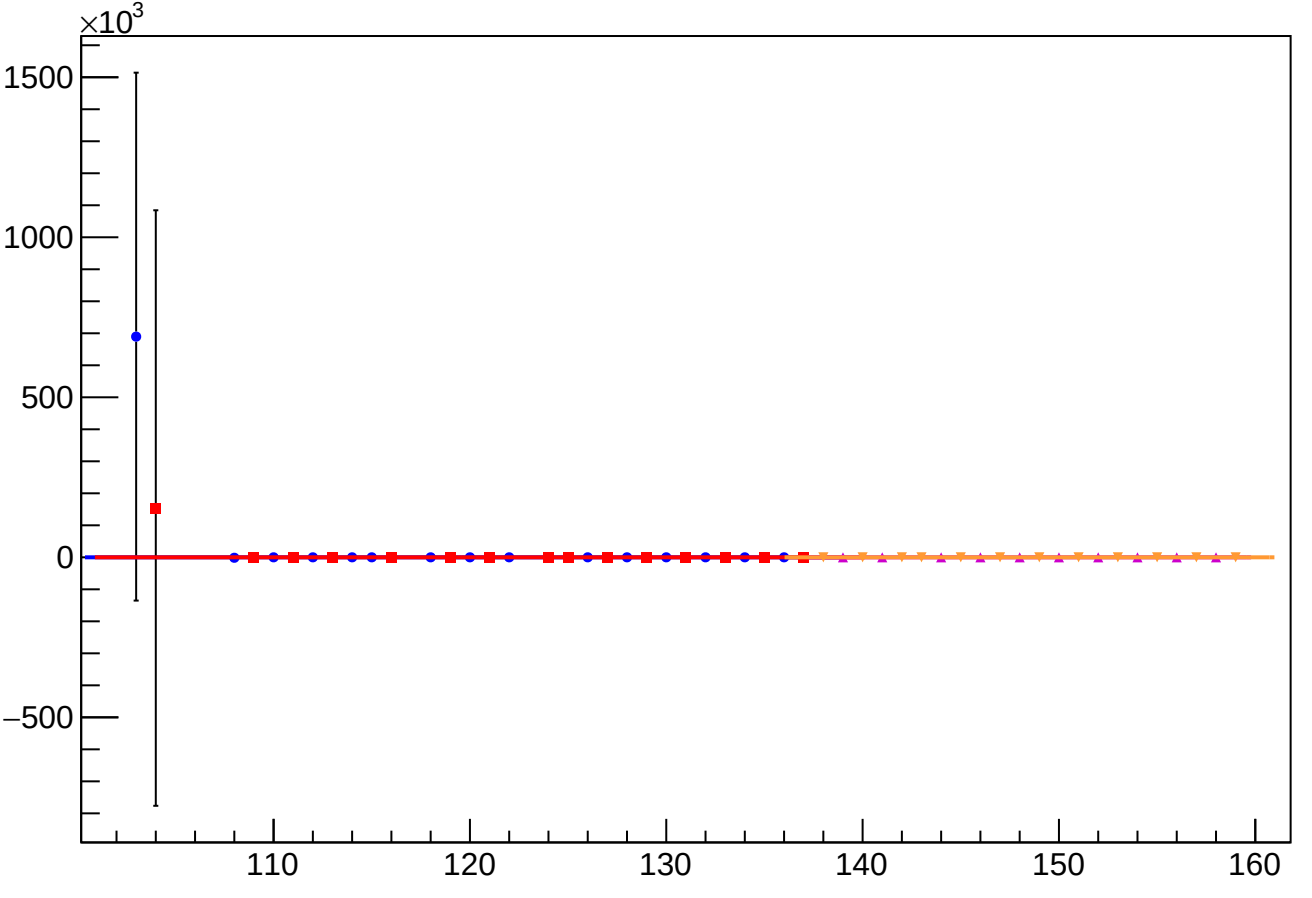
Left: 1579.769+/-0.264 χ^2/NDF: 406277.1/21

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1728.427+/-0.346 χ^2/NDF:3331341.2/22

Out: 1717.247+/-0.334 χ^2/NDF:3337715.7/25

All: 1722.640+/-0.240 χ^2/NDF: 6669597.8/48



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.778+/-0.695 χ^2/NDF:16.1/11

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.135+/-0.695 χ^2/NDF:3.9/9

Left: -0.456+/-0.492 χ^2/NDF: 20.4/21

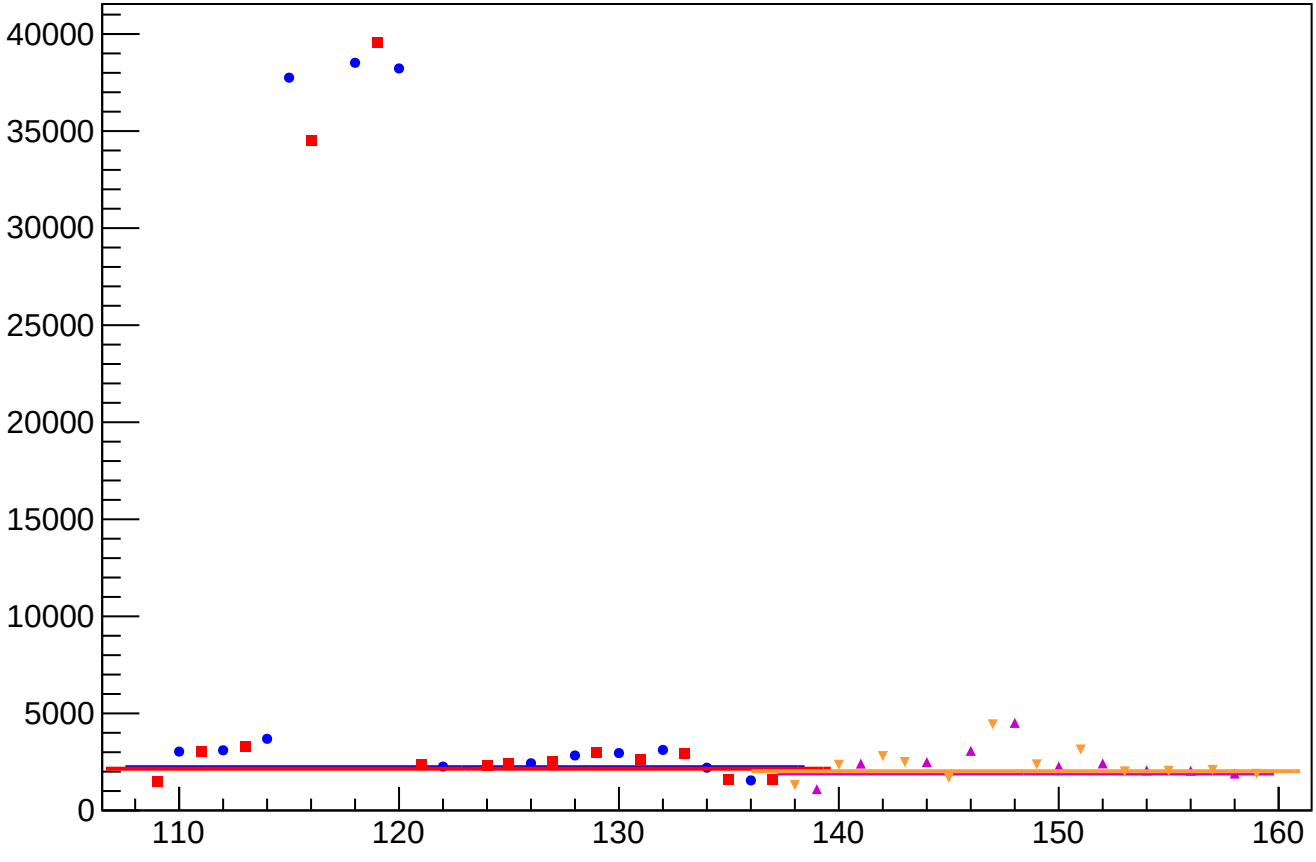
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.407+/-0.584 χ^2/NDF:11.0/24

Out: 0.034+/-0.580 χ^2/NDF:35.9/26

All: 0.220+/-0.412 χ^2/NDF: 47.1/51

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2021.576+/-0.492 χ^2/NDF:1319194.4/11

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1902.123+/-0.491 χ^2/NDF:1992145.7/9

Left: 1961.832+/-0.348 χ^2/NDF: 3340865.3/21

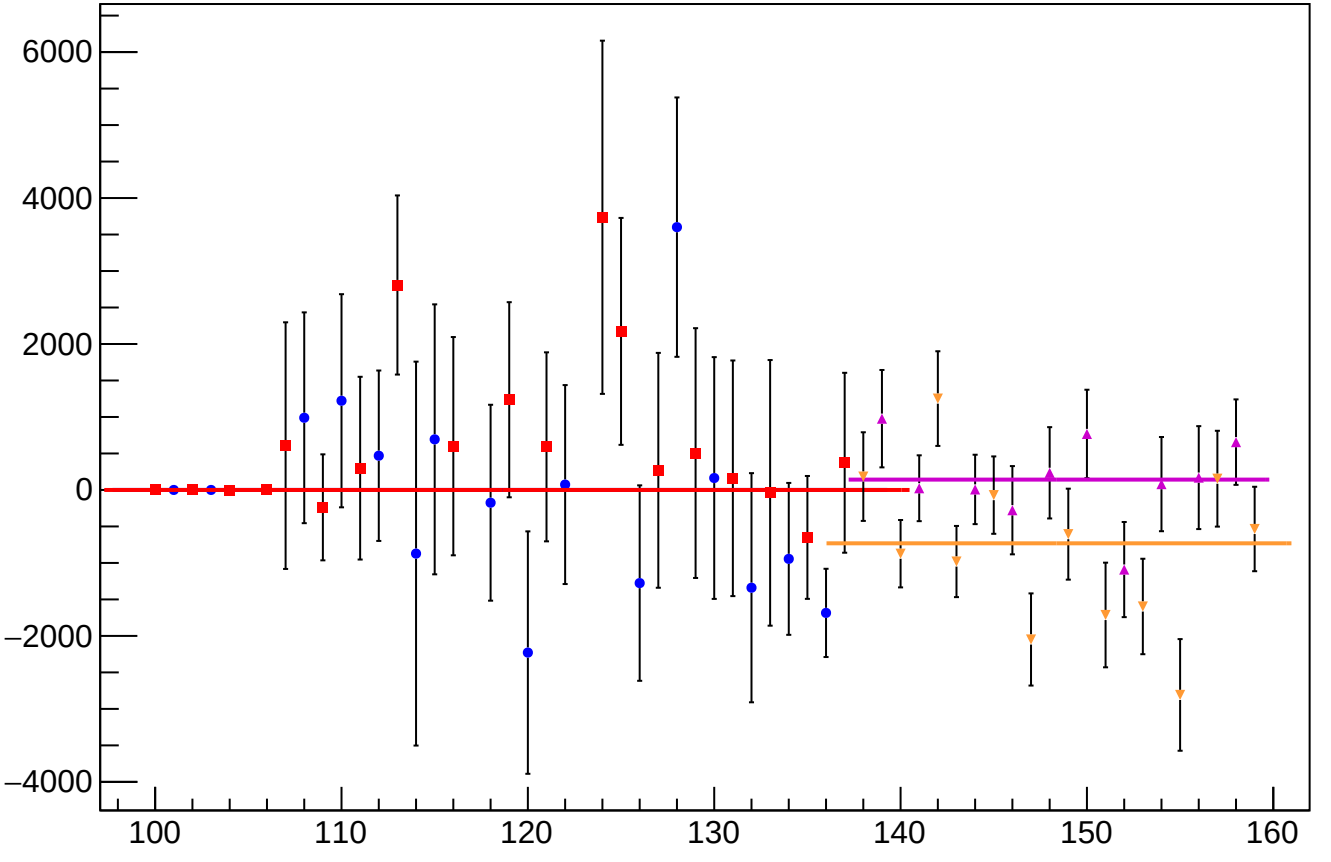
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1997.713+/-0.413 χ^2/NDF:4642964.9/22

Out: 2060.889+/-0.410 χ^2/NDF:3571540.4/25

All: 2029.513+/-0.291 χ^2/NDF: 8226289.8/48

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -731.146+/-171.694 χ^2/NDF:30.9/11

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 141.793+/-184.813 χ^2/NDF:7.6/9

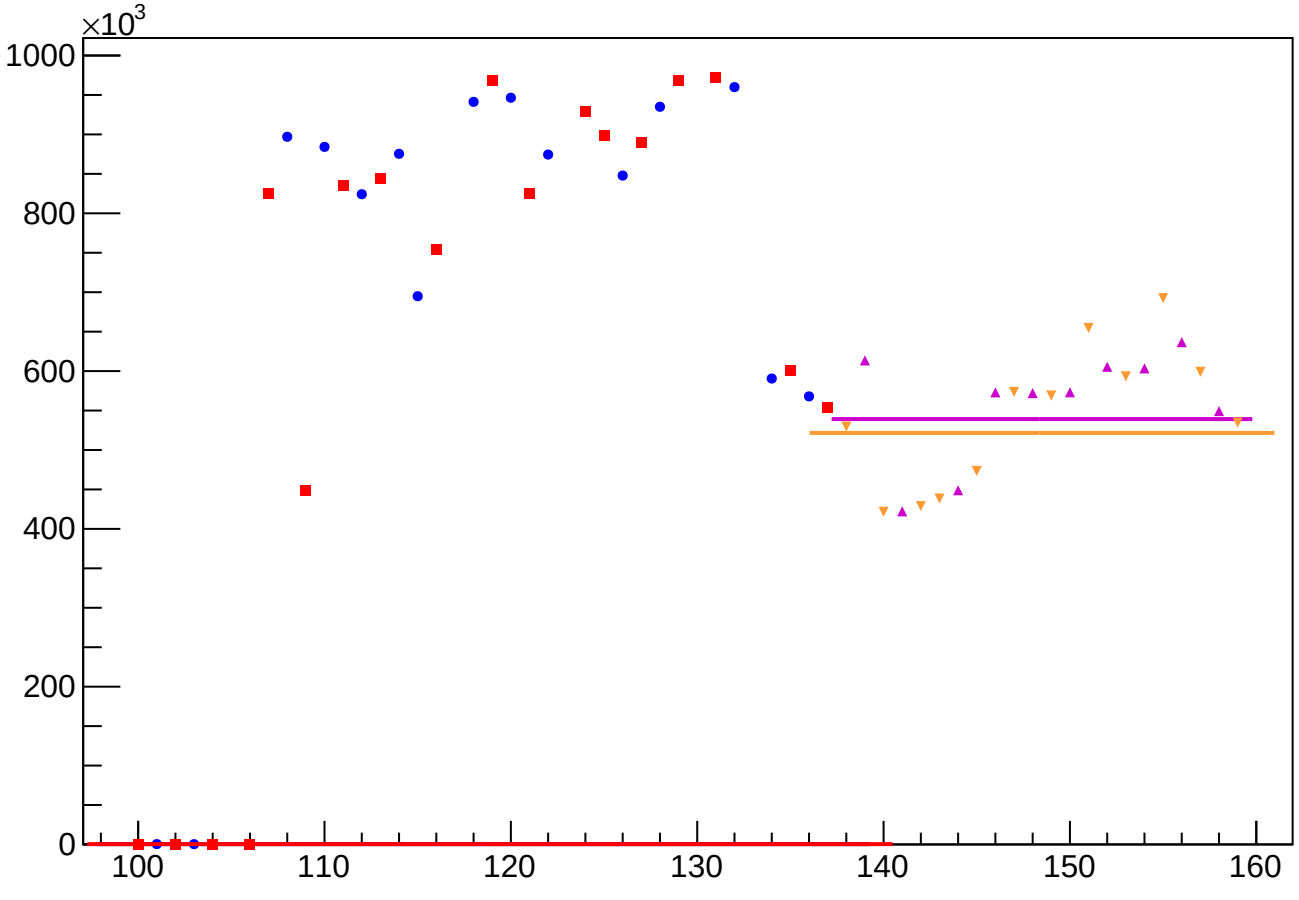
Left: -326.757+/-125.788 χ^2/NDF: 50.5/21

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:26.0/25

Out: -0.099+/-0.328 χ^2/NDF:64.4/30

All: 0.064+/-0.241 χ^2/NDF: 90.9/56



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 521648.745+/-121.406 χ^2/NDF:456251.1/11

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 539165.901+/-130.683 χ^2/NDF:328569.8/9

Left: 529763.574+/-88.946 χ^2/NDF: 794464.9/21

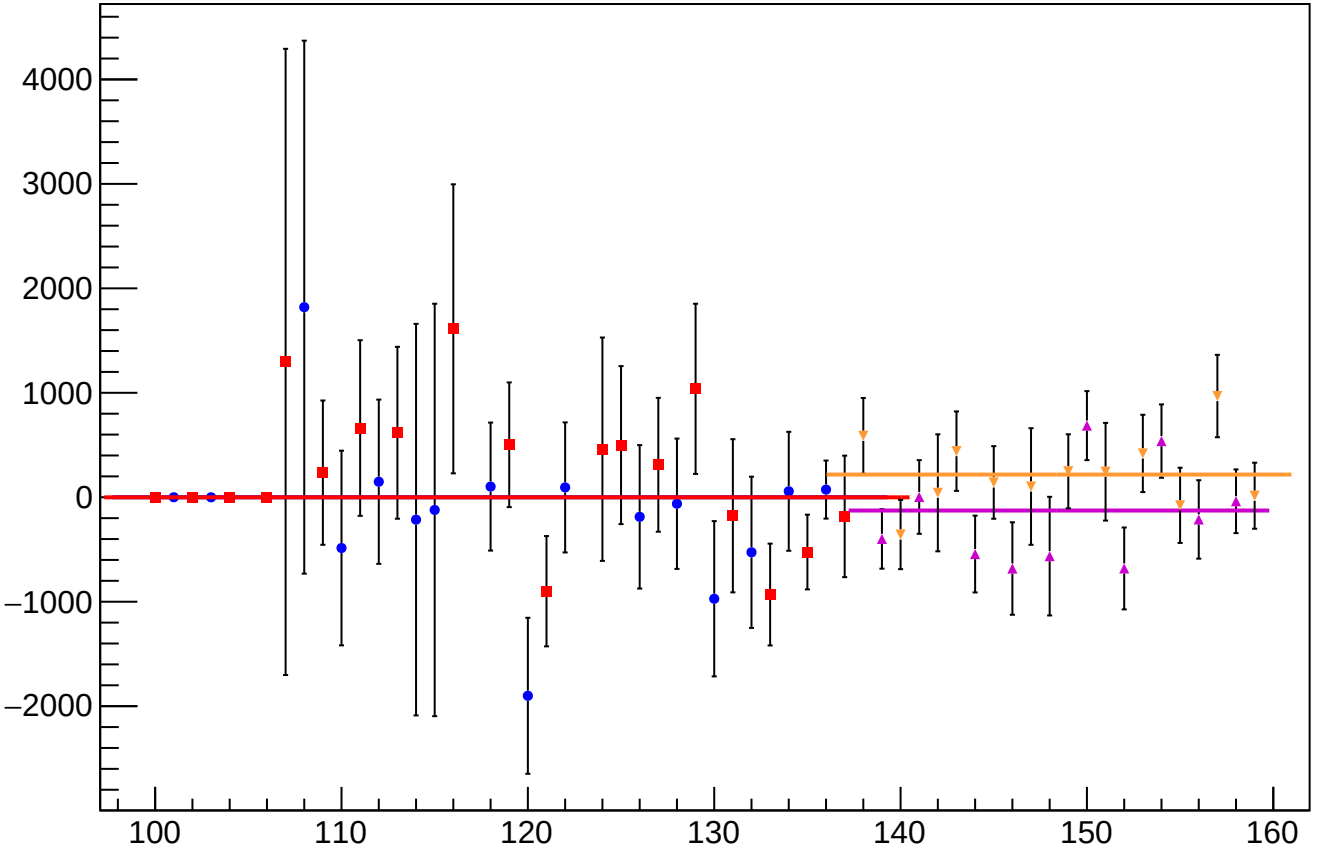
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.876+/-0.251 χ^2/NDF:25817092.7/24

Out: 395.140+/-0.232 χ^2/NDF:26538832.1/29

All: 397.774+/-0.170 χ^2/NDF: 52356206.1/54

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 217.188+/-110.230 χ^2/NDF:9.6/11

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -126.934+/-113.538 χ^2/NDF:16.3/9

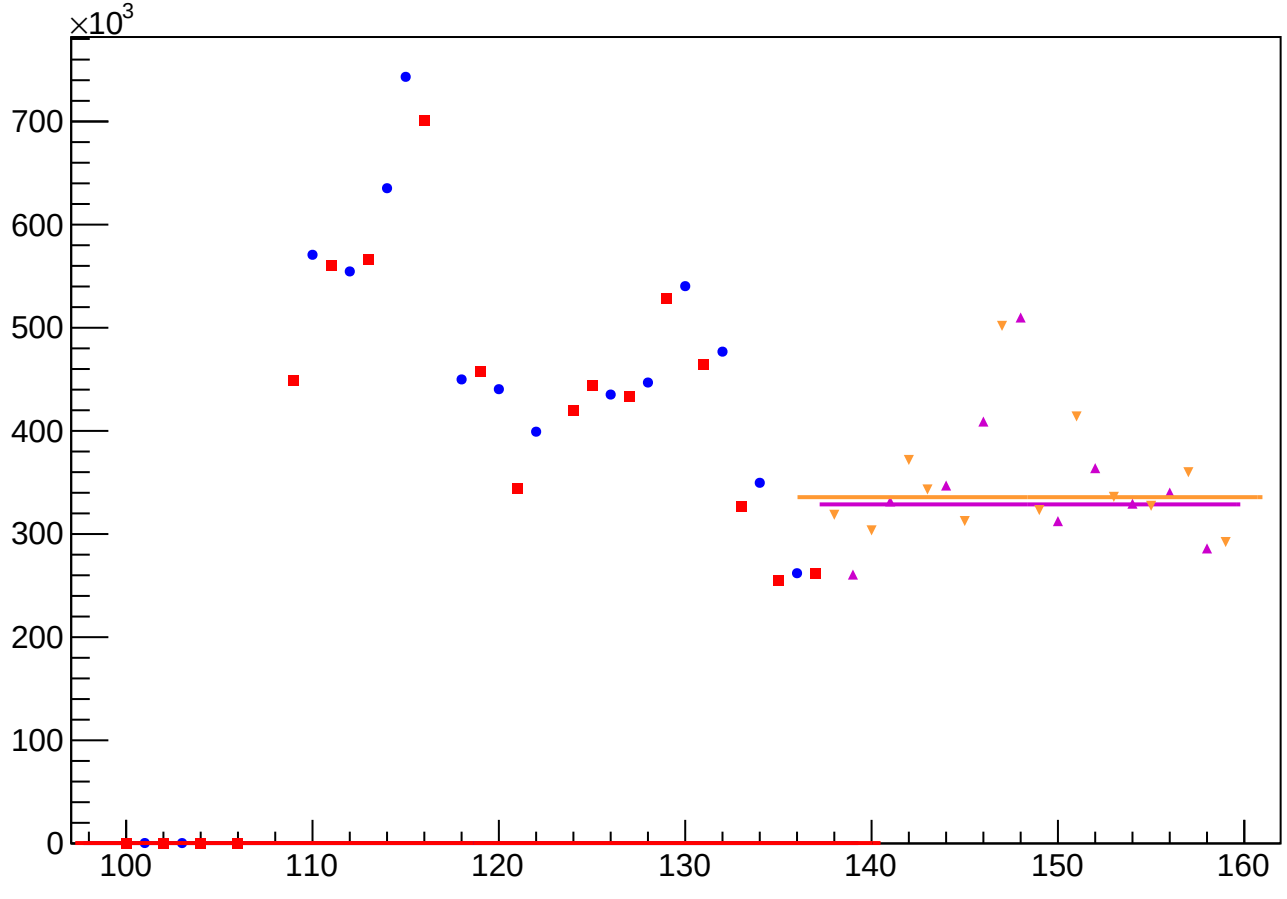
Left: 50.213+/-79.088 χ^2/NDF: 30.6/21

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:28.0/25

Out: -0.597+/-0.324 χ^2/NDF:28.5/30

All: -0.329+/-0.237 χ^2/NDF: 58.0/56



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 335747.603+/-77.944 χ^2/NDF:323297.4/11

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 328743.938+/-80.291 χ^2/NDF:450331.1/9

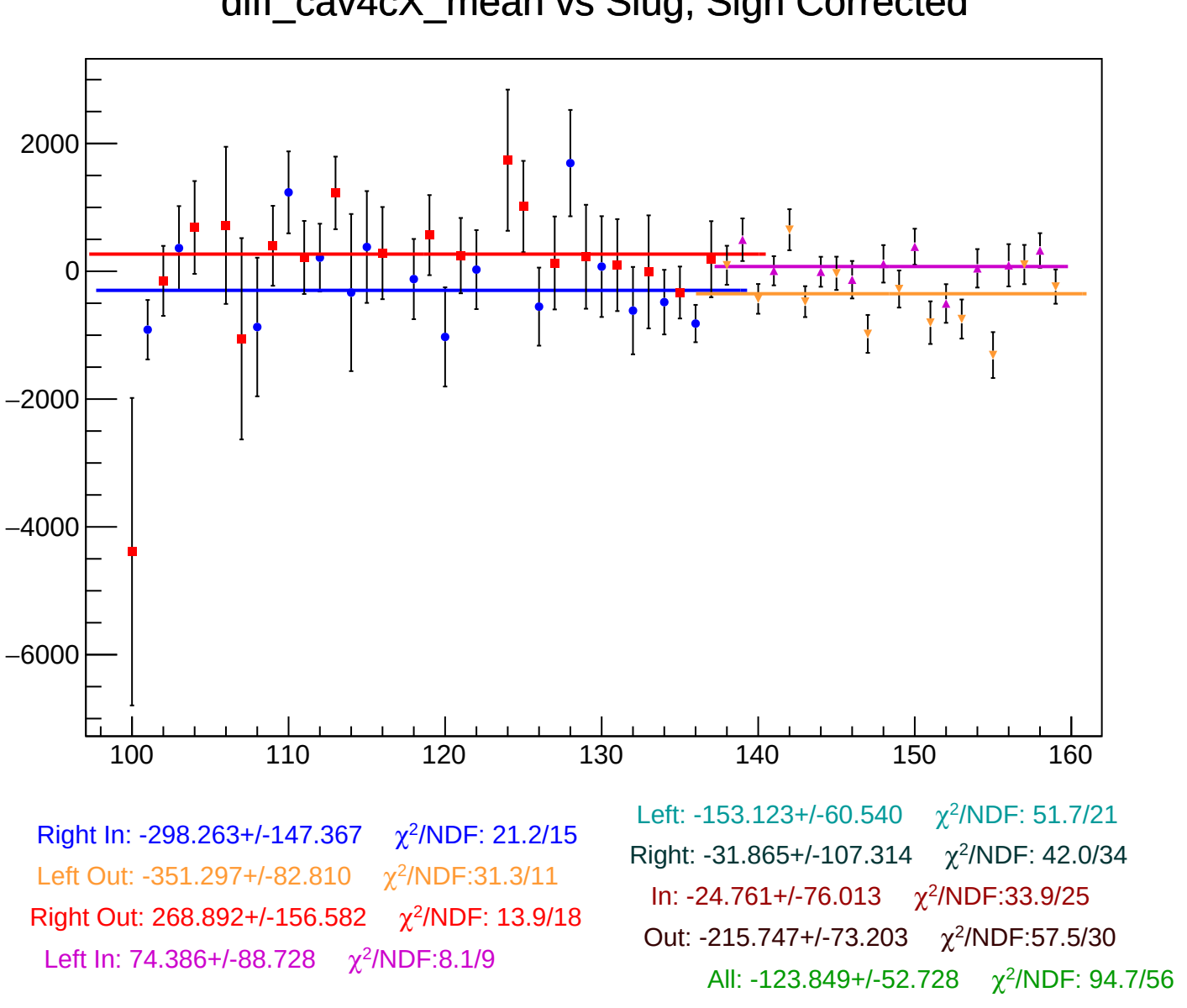
Left: 332349.639+/-55.926 χ^2/NDF: 777545.8/21

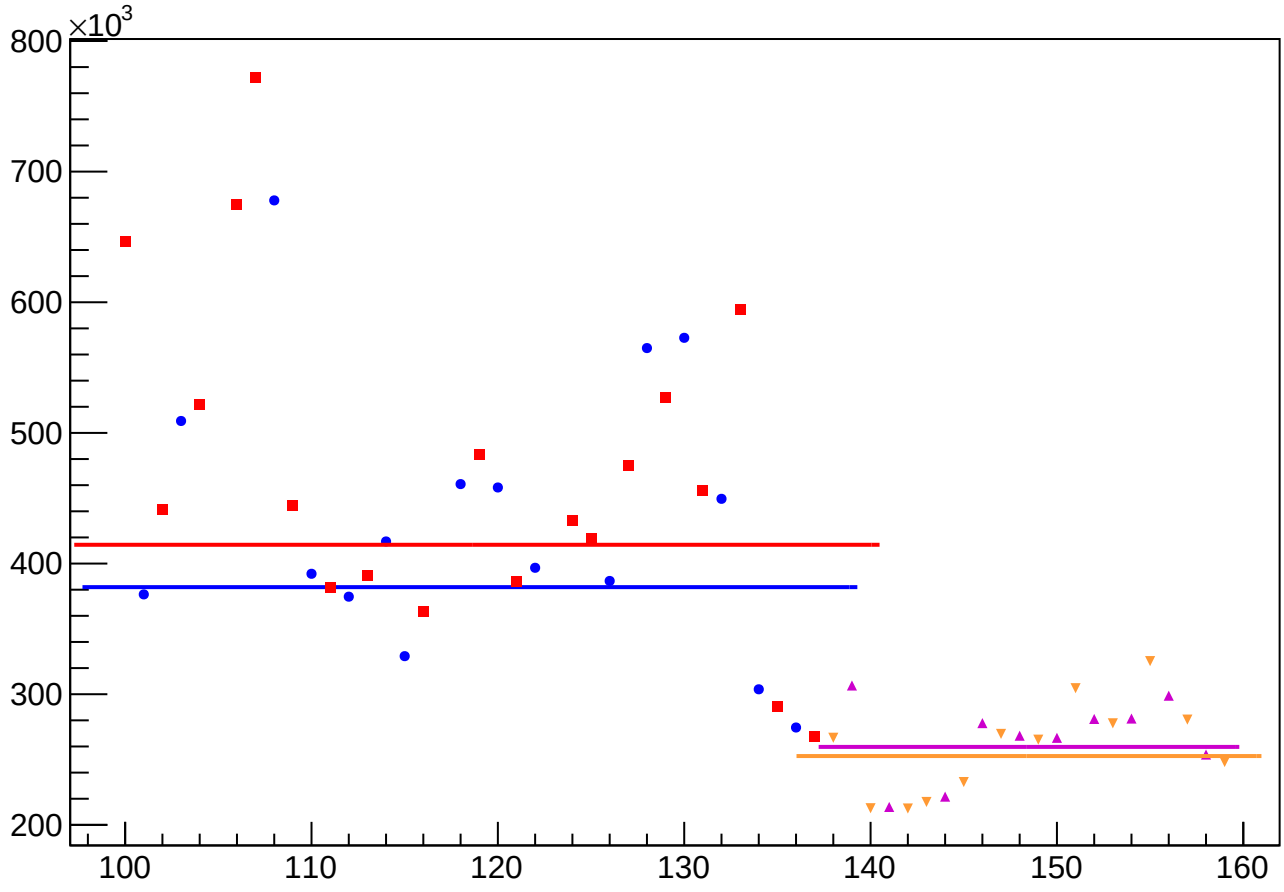
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 393.344+/-0.245 χ^2/NDF:28306674.0/24

Out: 390.878+/-0.229 χ^2/NDF:29909529.3/29

All: 392.025+/-0.167 χ^2/NDF: 58216257.3/54


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -351.297+/-82.810 χ²/NDF:31.3/11
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 74.386+/-88.728 χ²/NDF:8.1/9
Left: -153.123+/-60.540 χ²/NDF: 51.7/21
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -24.761+/-76.013 χ²/NDF:33.9/25
Out: -215.747+/-73.203 χ²/NDF:57.5/30
All: -123.849+/-52.728 χ²/NDF: 94.7/56



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 252670.552+/-58.556 χ^2/NDF:319108.0/11

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 259678.221+/-62.740 χ^2/NDF:233490.0/9

Left: 255932.925+/-42.808 χ^2/NDF: 559265.7/21

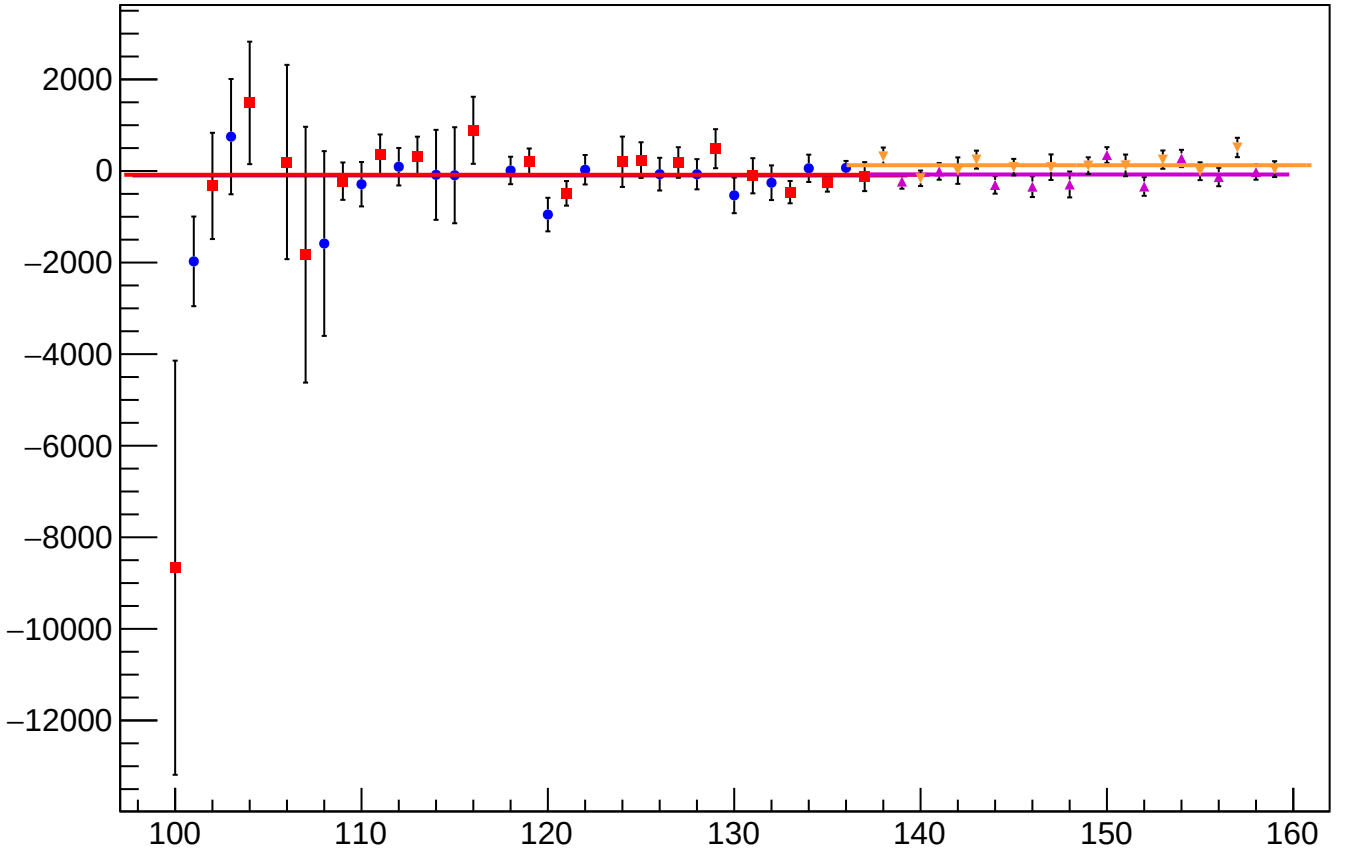
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 292203.934+/-53.752 χ^2/NDF:2080350.4/25

Out: 287999.800+/-51.765 χ^2/NDF:2745394.1/30

All: 290022.736+/-37.286 χ^2/NDF: 4828918.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 125.801+/-57.981 χ^2/NDF:8.8/11

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -76.640+/-60.005 χ^2/NDF:15.9/9

Left: 28.052+/-41.696 χ^2/NDF: 30.6/21

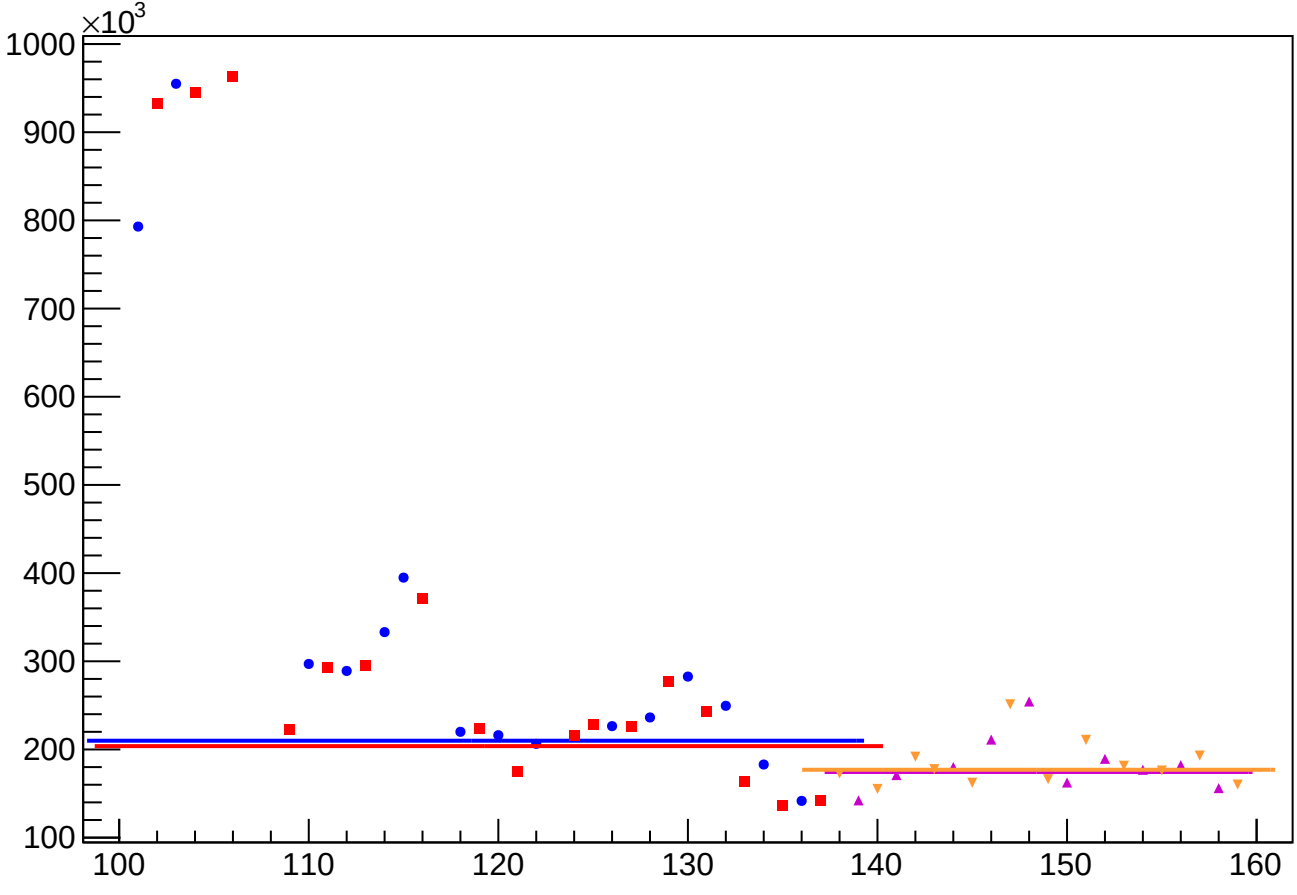
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -82.712+/-49.624 χ^2/NDF:29.6/25

Out: 61.981+/-48.302 χ^2/NDF:31.9/30

All: -8.412+/-34.613 χ^2/NDF: 65.9/56

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 176975.877+/-40.999 χ^2/NDF:273167.4/11

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 174458.157+/-42.430 χ^2/NDF:348208.8/9

Left: 175760.197+/-29.484 χ^2/NDF: 623197.1/21

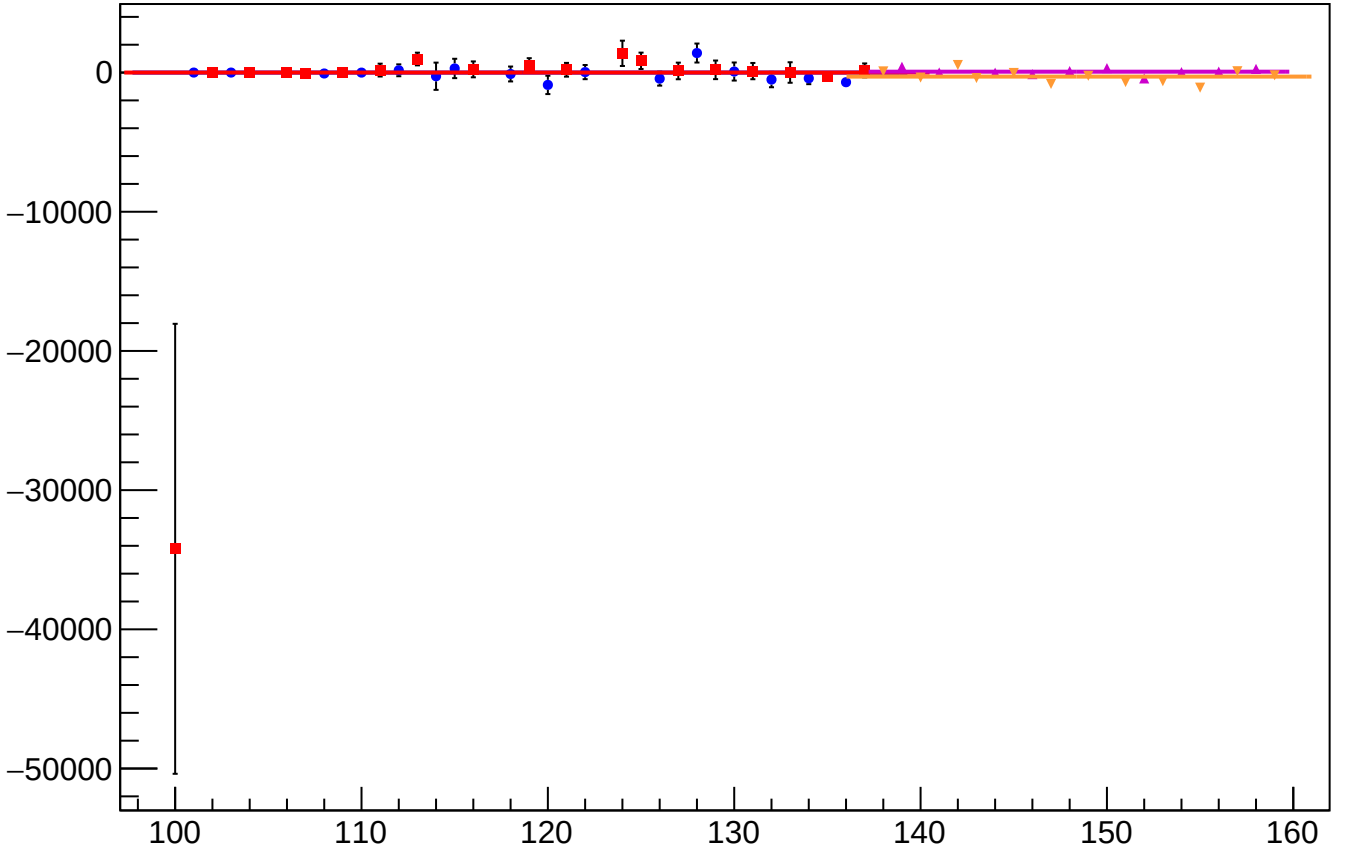
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185643.066+/-35.109 χ^2/NDF:2528477.9/24

Out: 185154.226+/-34.180 χ^2/NDF:2474123.8/28

All: 185392.096+/-24.491 χ^2/NDF: 5002701.3

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -290.396+/-69.214 χ^2/NDF:31.4/11

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 62.742+/-74.274 χ^2/NDF:8.0/9

Left: -126.264+/-50.636 χ^2/NDF: 51.4/21

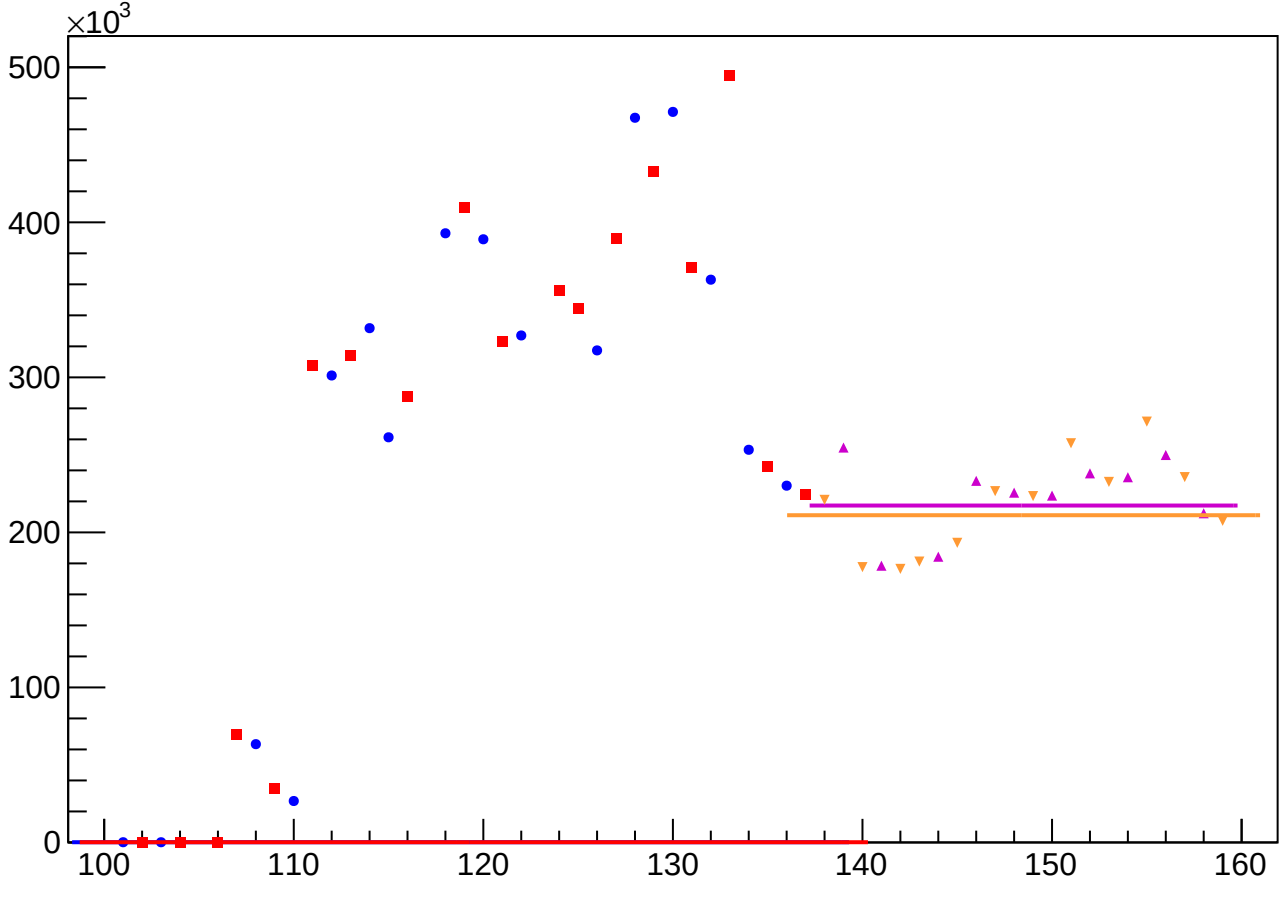
Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:26.8/25

Out: 0.354+/-0.160 χ^2/NDF:65.5/30

All: 0.174+/-0.117 χ^2/NDF: 95.0/56

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 211079.335+/-48.942 χ^2/NDF:334520.6/11

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 217325.570+/-52.520 χ^2/NDF:241133.6/9

Left: 213982.470+/-35.805 χ^2/NDF: 583224.7/21

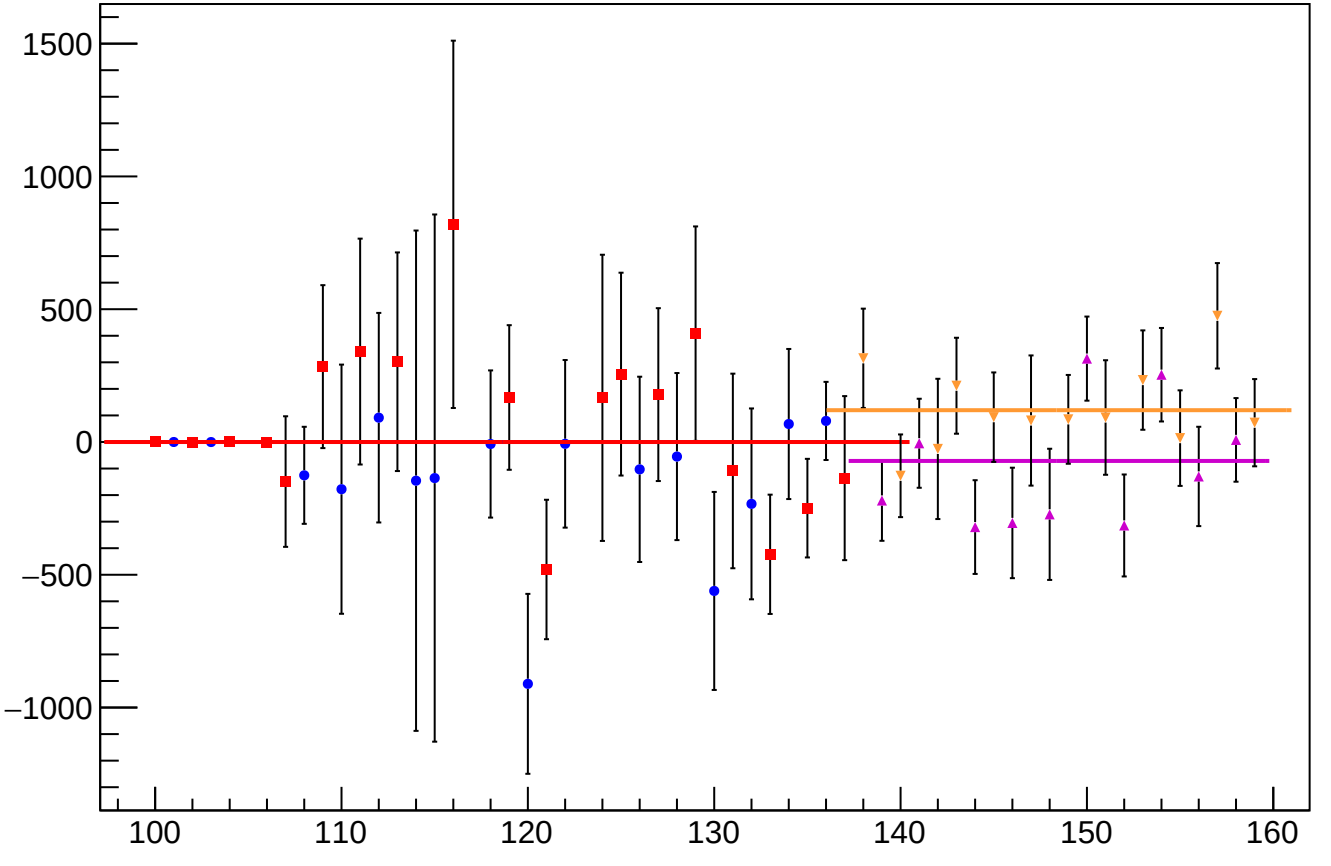
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.260+/-0.122 χ^2/NDF:28642420.6/25

Out: 150.508+/-0.113 χ^2/NDF:30197538.2/29

All: 150.393+/-0.083 χ^2/NDF: 58839961.0/55

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 119.710+/-53.771 χ^2/NDF:8.3/11

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -71.394+/-56.004 χ^2/NDF:16.3/9

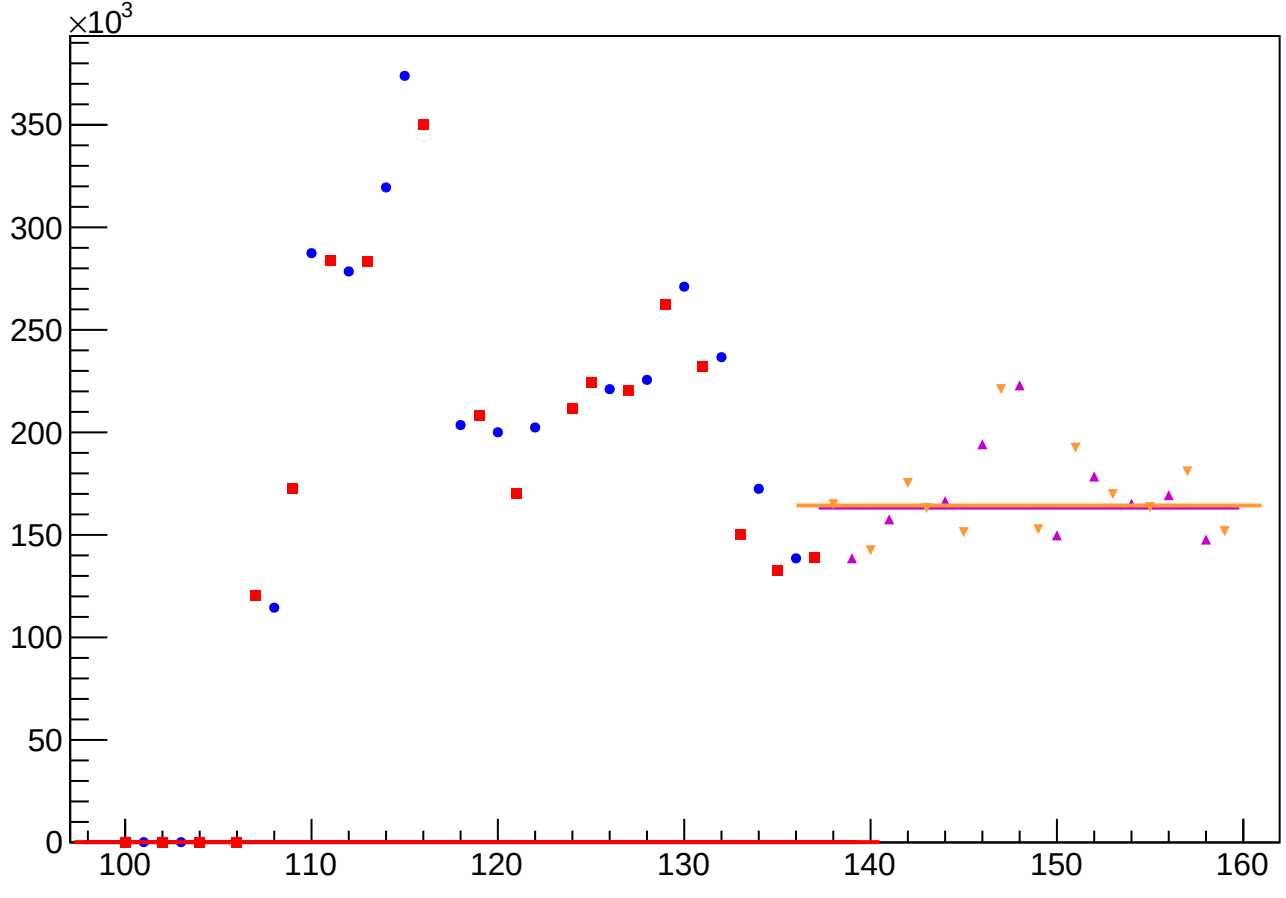
Left: 28.043+/-38.787 χ^2/NDF: 30.7/21

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:29.1/25

Out: -0.125+/-0.166 χ^2/NDF:28.5/30

All: -0.099+/-0.121 χ^2/NDF: 57.7/56



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164349.129+/-38.022 χ^2/NDF:233342.5/11

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 163304.608+/-39.601 χ^2/NDF:265832.1/9

Left: 163848.103+/-27.427 χ^2/NDF: 499536.6/21

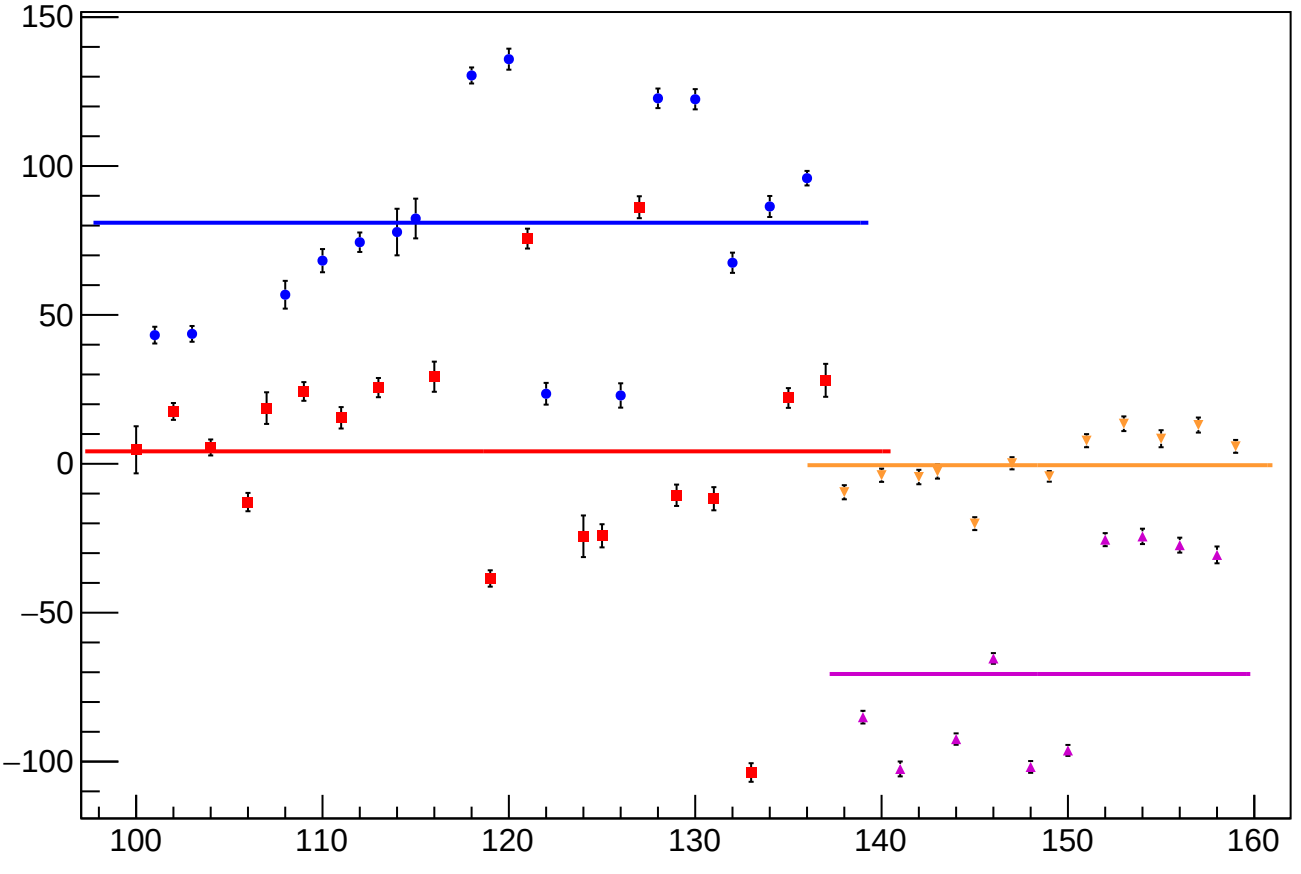
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.094+/-0.125 χ^2/NDF:29144219.9/25

Out: 157.732+/-0.118 χ^2/NDF:30212323.2/30

All: 156.495+/-0.086 χ^2/NDF: 59356778.3/56

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.469+/-0.652 χ^2/NDF:199.2/11

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -70.585+/-0.681 χ^2/NDF:2031.2/9

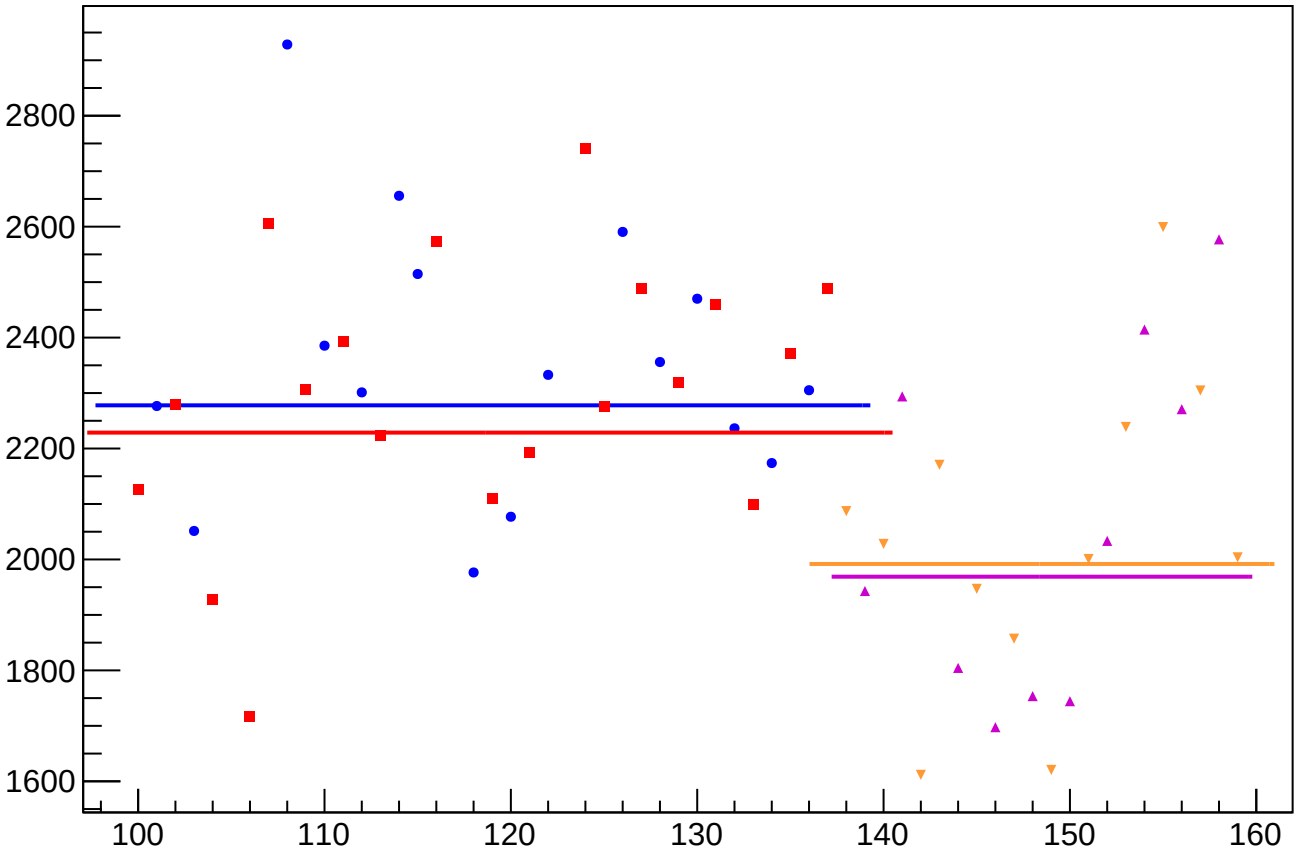
Left: -34.018+/-0.471 χ^2/NDF: 7760.2/21

Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.472+/-0.532 χ^2/NDF:23165.2/25

Out: 1.333+/-0.510 χ^2/NDF:2938.6/30

All: -4.808+/-0.368 χ^2/NDF: 26405.6/56



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1991.825+/-0.461 χ^2/NDF:301370.7/11

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1968.921+/-0.481 χ^2/NDF:330988.9/9

Left: 1980.866+/-0.333 χ^2/NDF: 633539.8/21

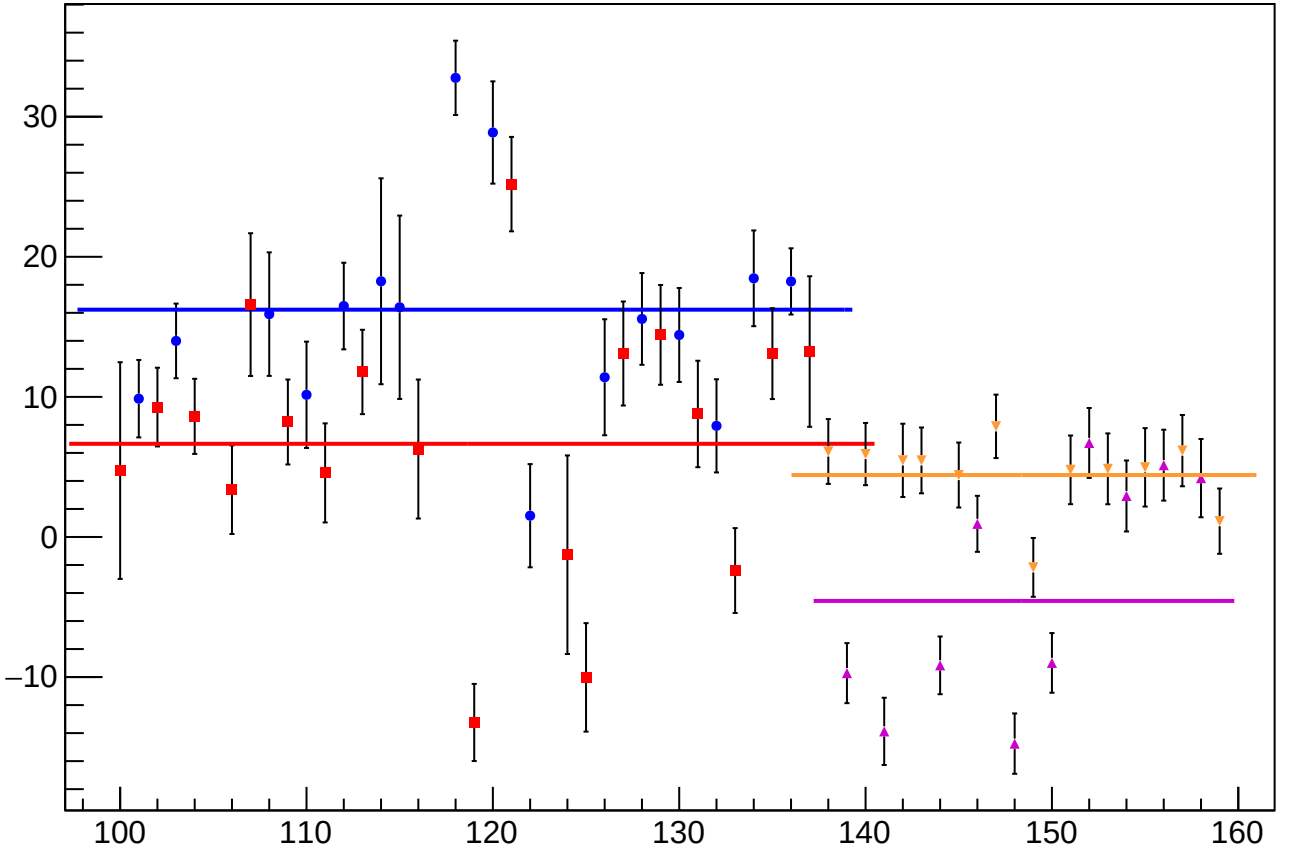
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2089.435+/-0.376 χ^2/NDF:607360.7/25

Out: 2083.594+/-0.361 χ^2/NDF:554704.9/30

All: 2086.395+/-0.260 χ^2/NDF: 1162191.2/56

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.425+/-0.688 χ^2/NDF:16.1/11

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -4.564+/-0.723 χ^2/NDF:113.7/9

Left: 0.154+/-0.498 χ^2/NDF: 211.0/21

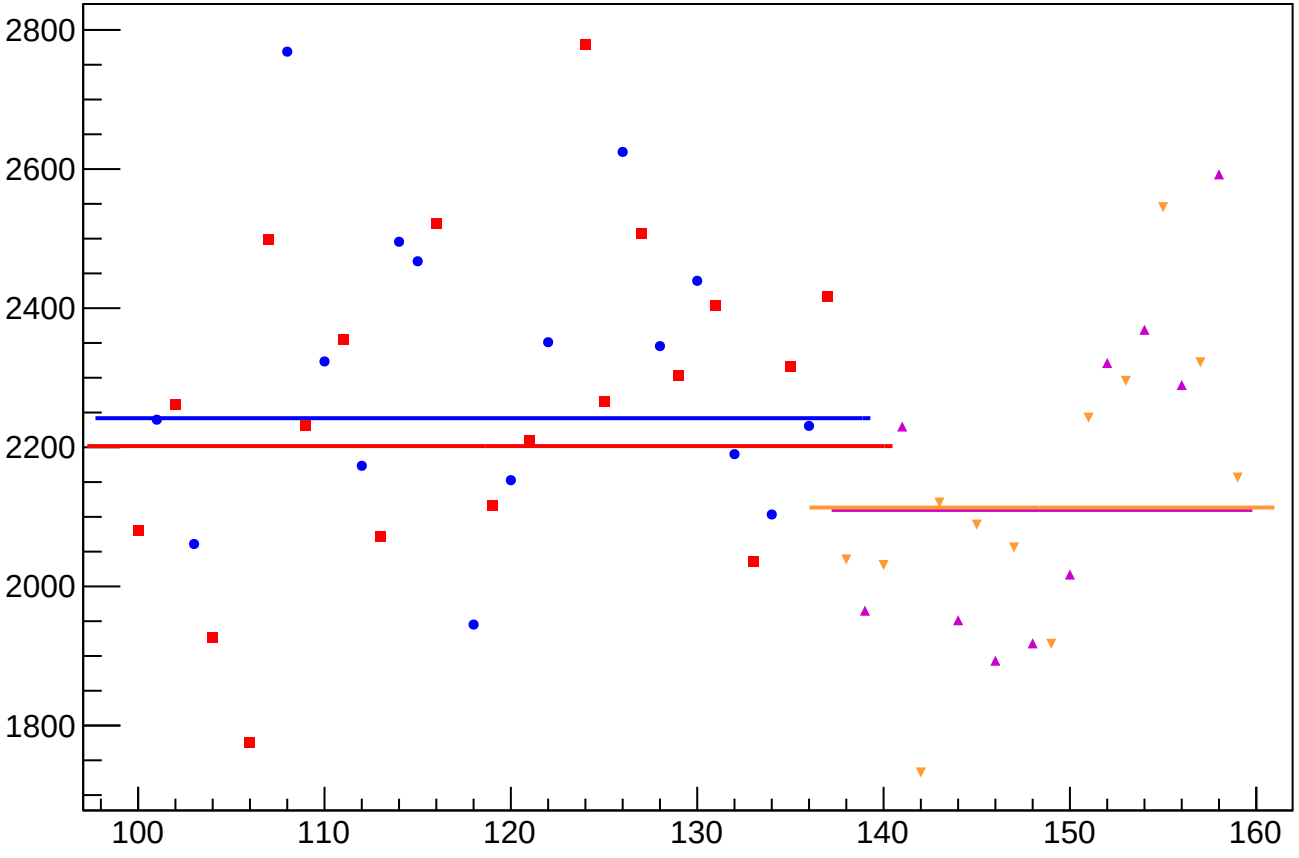
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.310+/-0.547 χ^2/NDF:551.4/25

Out: 5.359+/-0.524 χ^2/NDF:155.1/30

All: 4.857+/-0.379 χ^2/NDF: 708.4/56

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2113.394+/-0.486 χ^2/NDF:143866.3/11

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2109.980+/-0.511 χ^2/NDF:174092.1/9

Left: 2111.772+/-0.352 χ^2/NDF: 317981.8/21

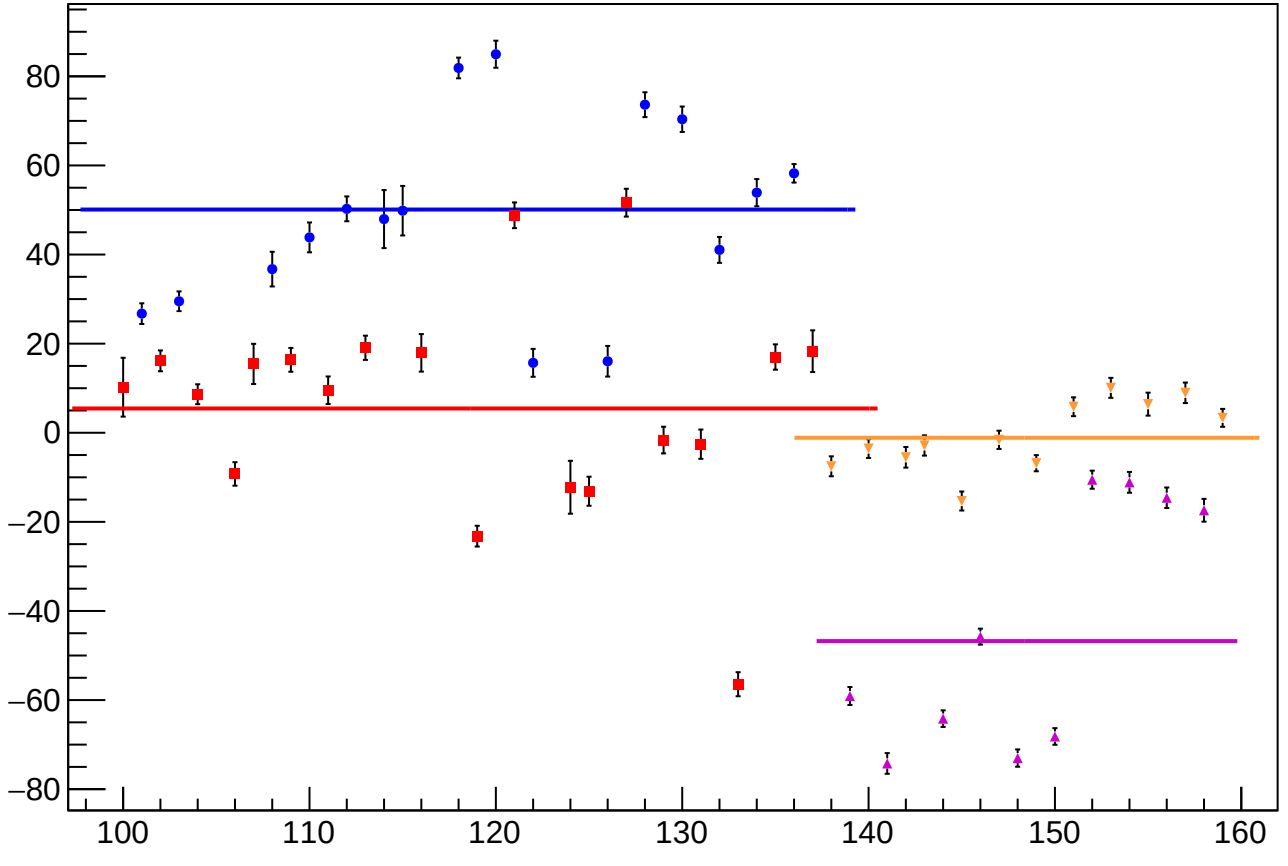
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2166.272+/-0.387 χ^2/NDF:304766.0/25

Out: 2150.443+/-0.371 χ^2/NDF:287587.0/30

All: 2158.015+/-0.268 χ^2/NDF: 593225.8/56

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.125+/-0.623 χ^2/NDF:136.5/11

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -46.761+/-0.652 χ^2/NDF:1457.0/9

Left: -22.903+/-0.451 χ^2/NDF: 4153.3/21

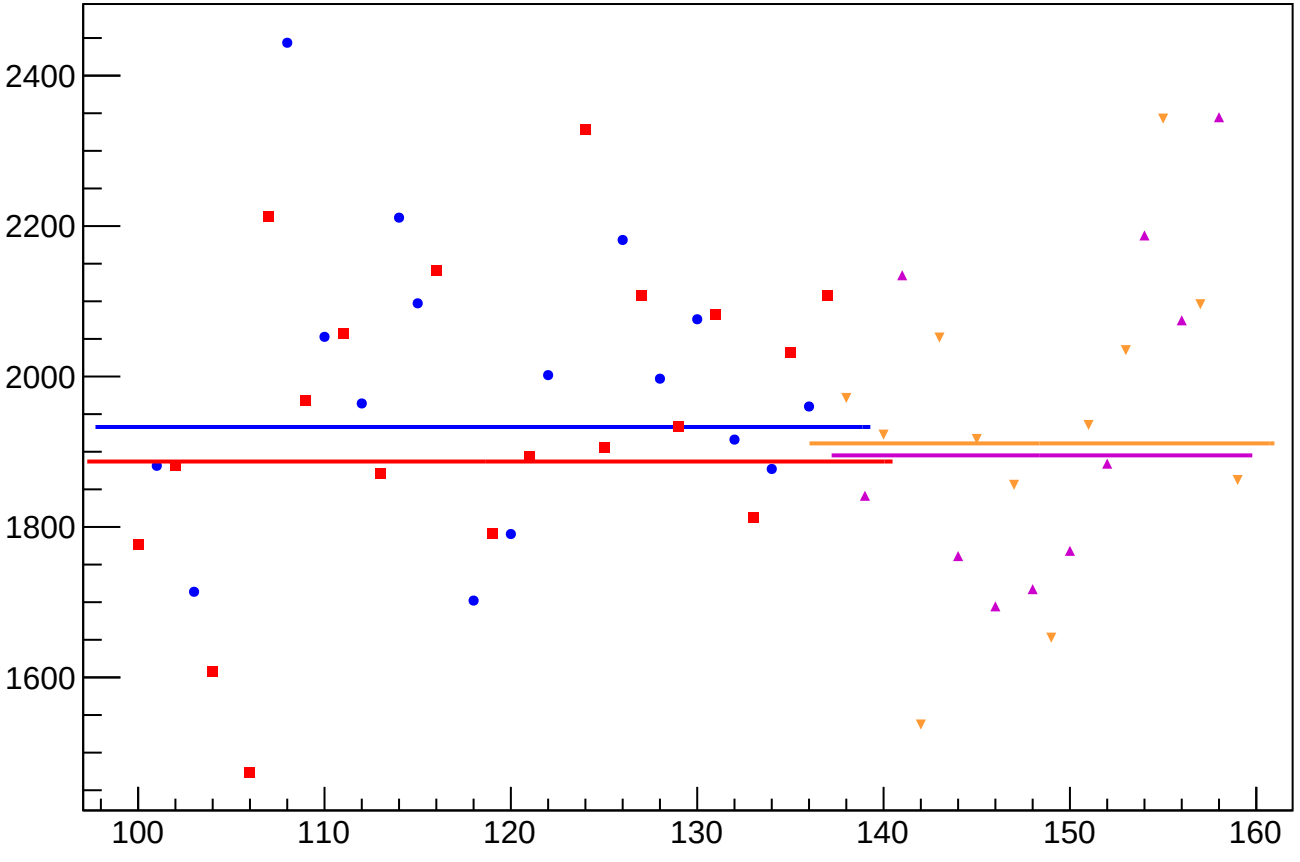
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.246+/-0.484 χ^2/NDF:12255.1/25

Out: 1.805+/-0.464 χ^2/NDF:1497.7/30

All: -0.612+/-0.335 χ^2/NDF: 13809.6/56

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1911.101+/-0.441 χ^2/NDF:179786.9/11

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1895.172+/-0.461 χ^2/NDF:189433.9/9

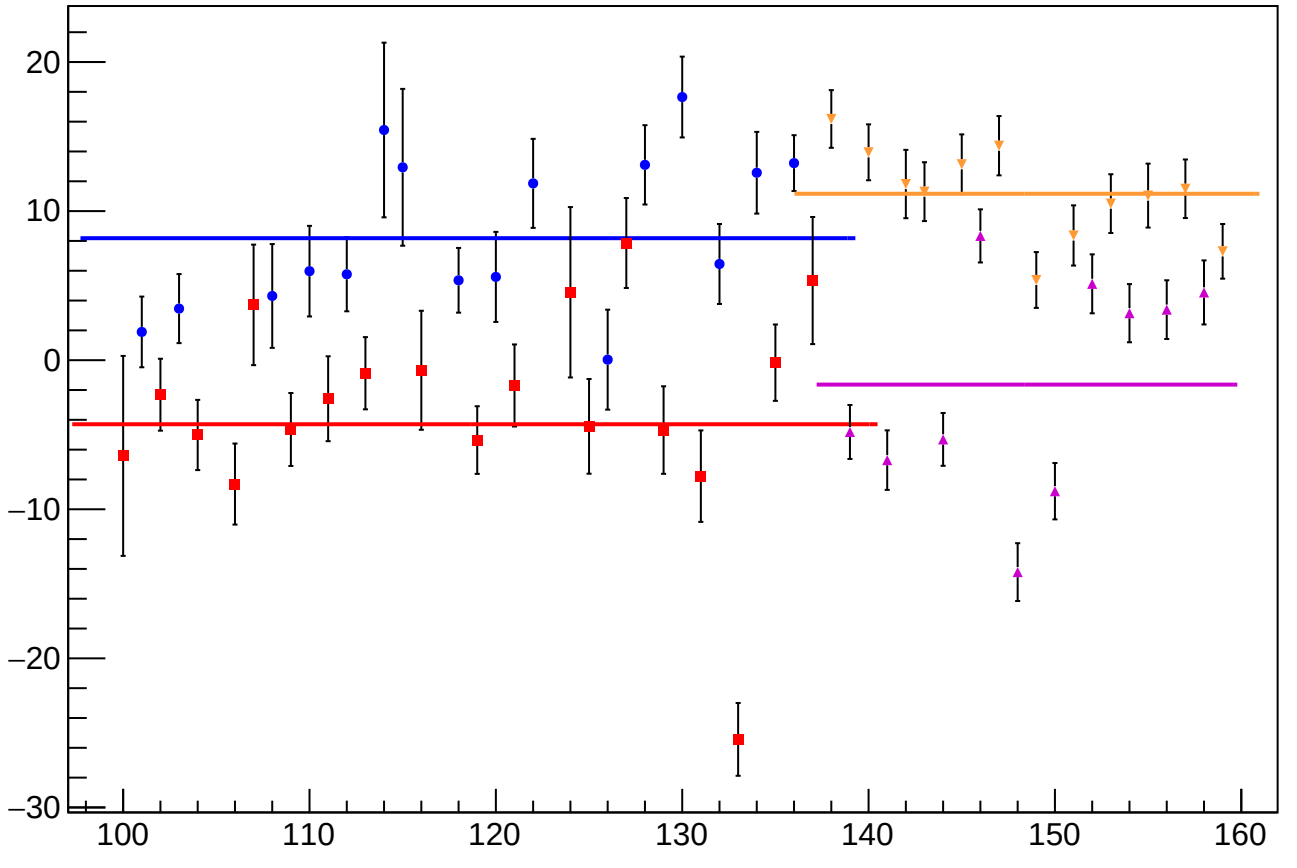
Left: 1903.500+/-0.319 χ^2/NDF: 369844.6/21

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1912.123+/-0.342 χ^2/NDF:298408.9/25

Out: 1900.351+/-0.328 χ^2/NDF:330867.8/30

All: 1905.985+/-0.237 χ^2/NDF: 629893.5/56



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.165+/-0.571 χ^2/NDF:28.7/11

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.637+/-0.605 χ^2/NDF:134.1/9

Left: 5.133+/-0.416 χ^2/NDF: 399.3/21

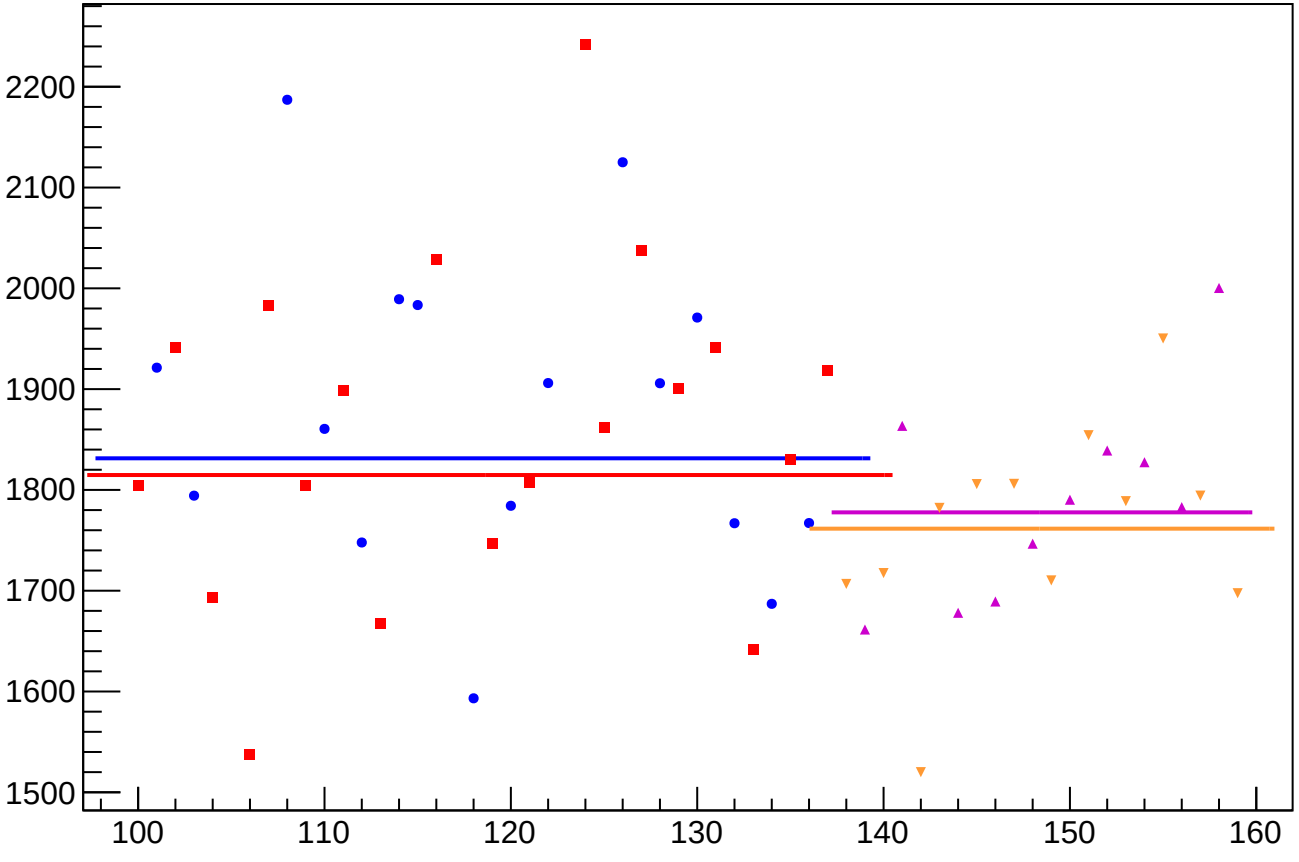
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.679+/-0.453 χ^2/NDF:301.7/25

Out: 4.603+/-0.434 χ^2/NDF:453.3/30

All: 3.684+/-0.313 χ^2/NDF: 764.5/56

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1761.558+/-0.404 χ^2/NDF:51715.5/11

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1777.730+/-0.428 χ^2/NDF:48519.8/9

Left: 1769.178+/-0.294 χ^2/NDF: 100990.2/21

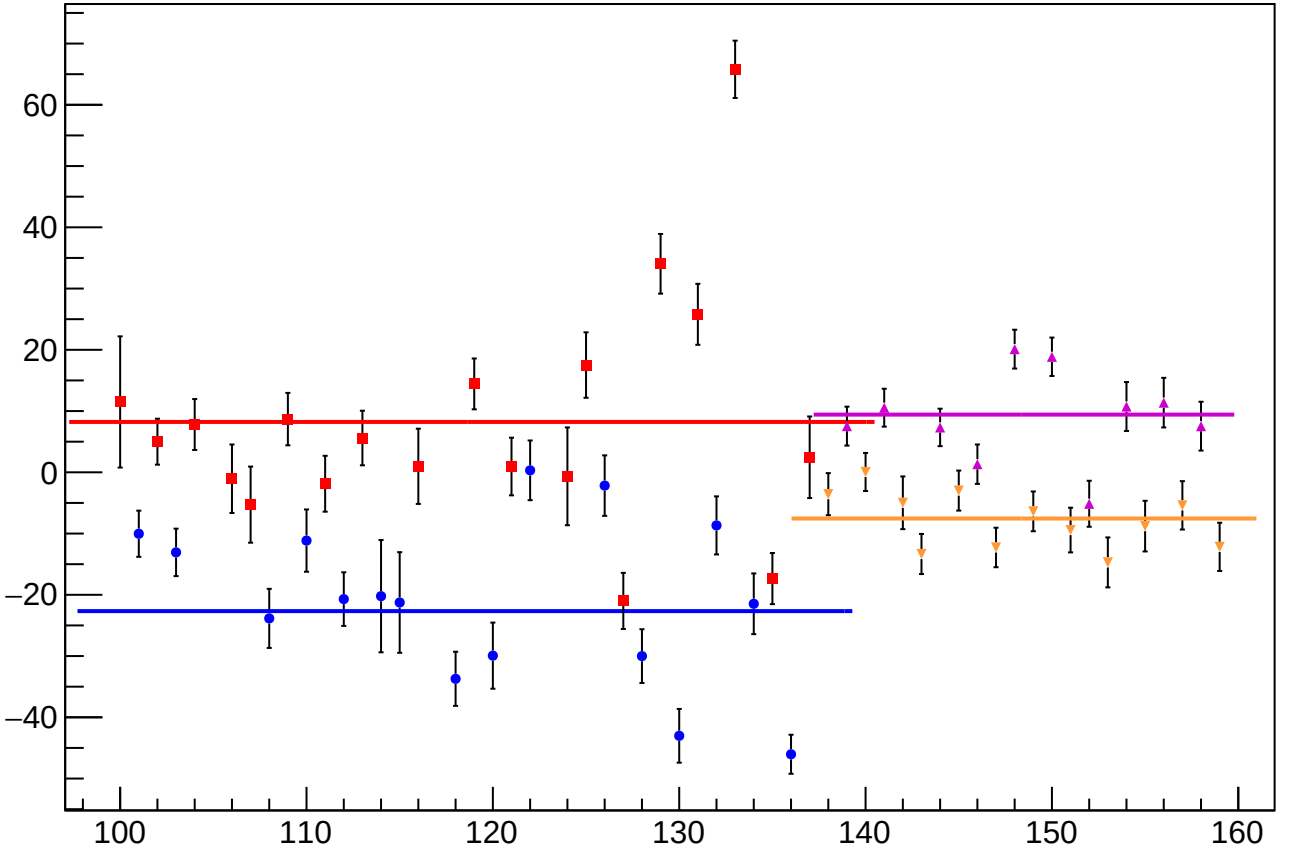
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1801.302+/-0.320 χ^2/NDF:142338.7/25

Out: 1784.143+/-0.307 χ^2/NDF:149816.1/30

All: 1792.342+/-0.222 χ^2/NDF: 293652.0/56

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.544+/-1.030 χ^2/NDF:20.2/11

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.421+/-1.075 χ^2/NDF:43.3/9

Left: 0.578+/-0.744 χ^2/NDF: 193.3/21

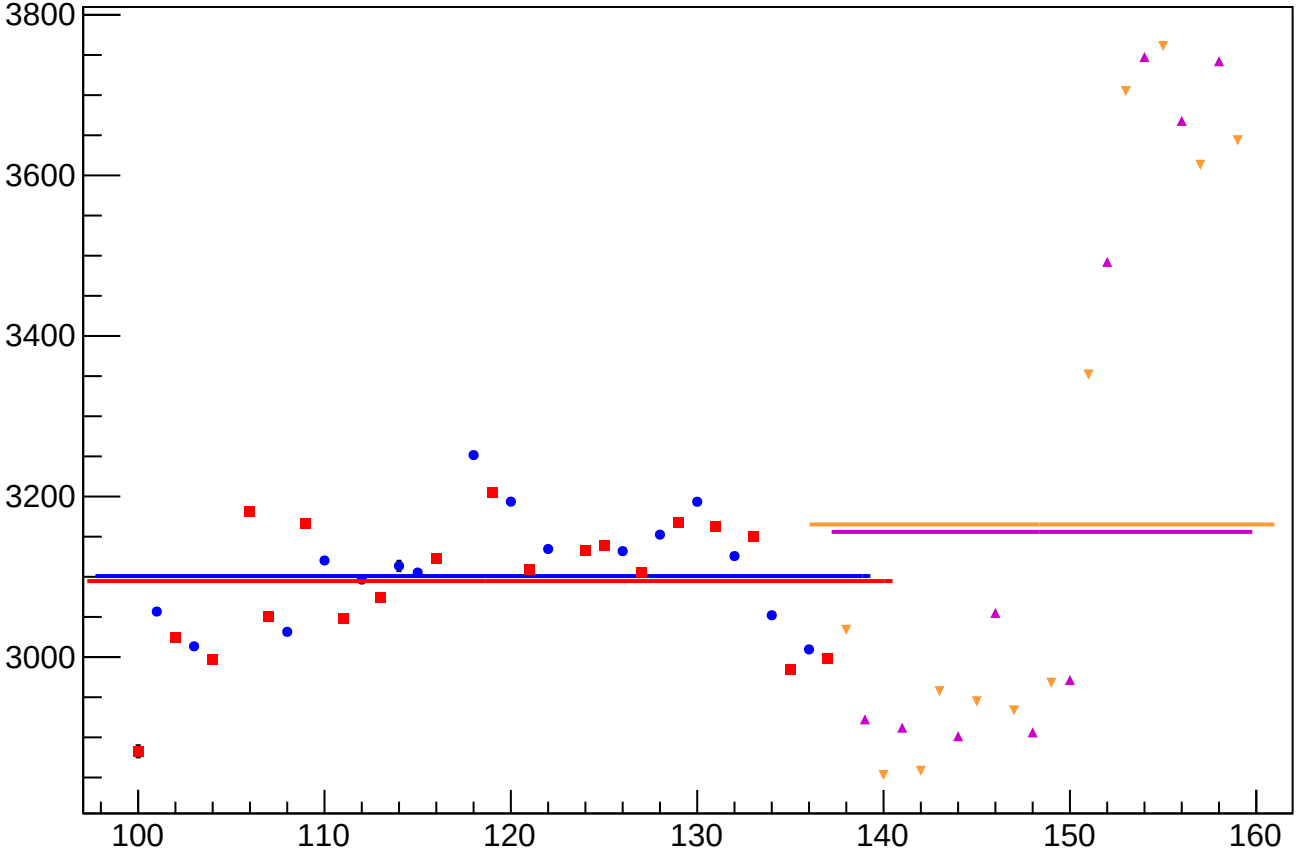
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -5.510+/-0.786 χ^2/NDF:615.2/25

Out: -0.381+/-0.761 χ^2/NDF:421.5/30

All: -2.862+/-0.547 χ^2/NDF: 1058.7/56

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3165.205+/-0.728 χ^2/NDF:205263.6/11

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3155.952+/-0.760 χ^2/NDF:193609.1/9

Left: 3160.775+/-0.526 χ^2/NDF: 398949.9/21

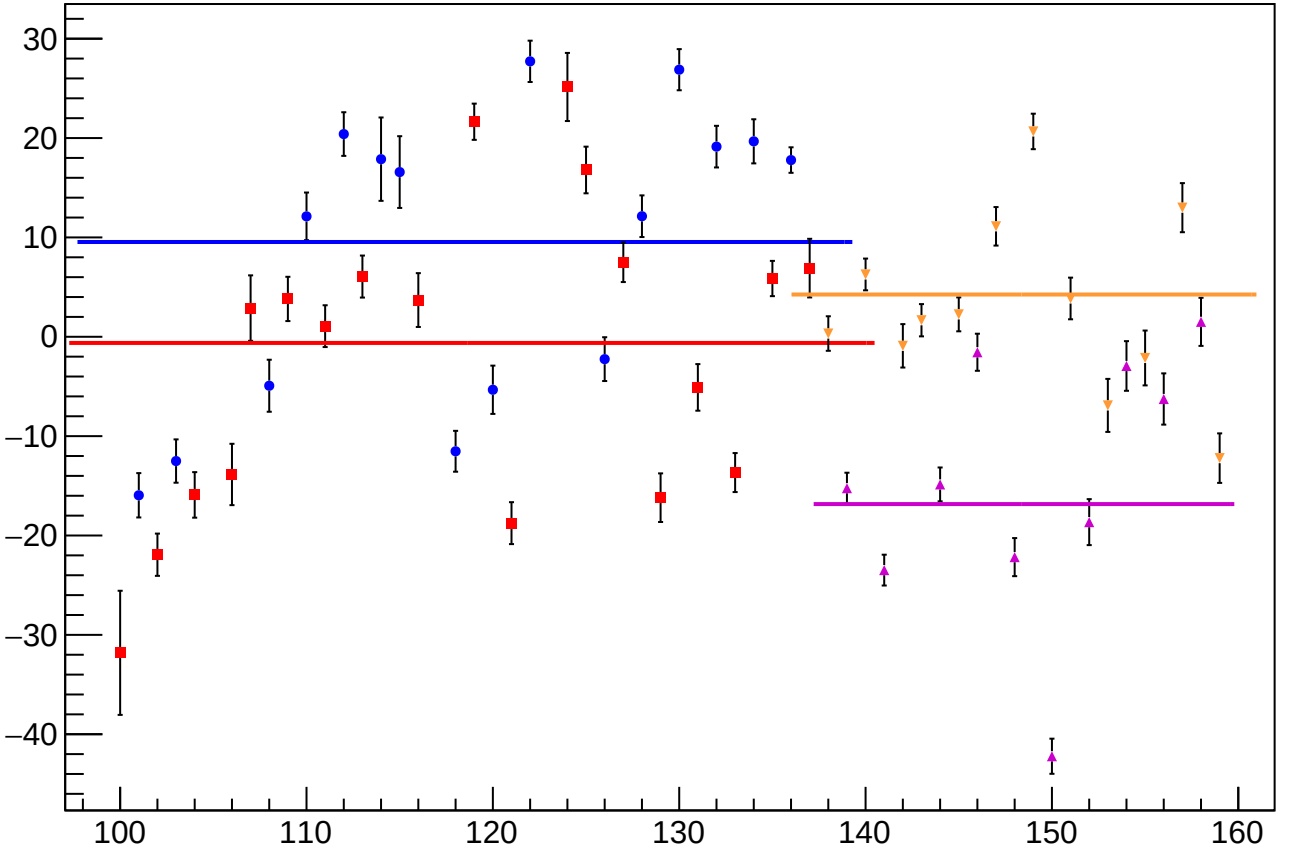
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3130.352+/-0.556 χ^2/NDF:203941.4/25

Out: 3133.169+/-0.538 χ^2/NDF:218107.3/30

All: 3131.806+/-0.387 χ^2/NDF: 422061.9/56

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 4.253+/-0.572 χ^2/NDF:192.3/11

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -16.837+/-0.606 χ^2/NDF:407.5/9

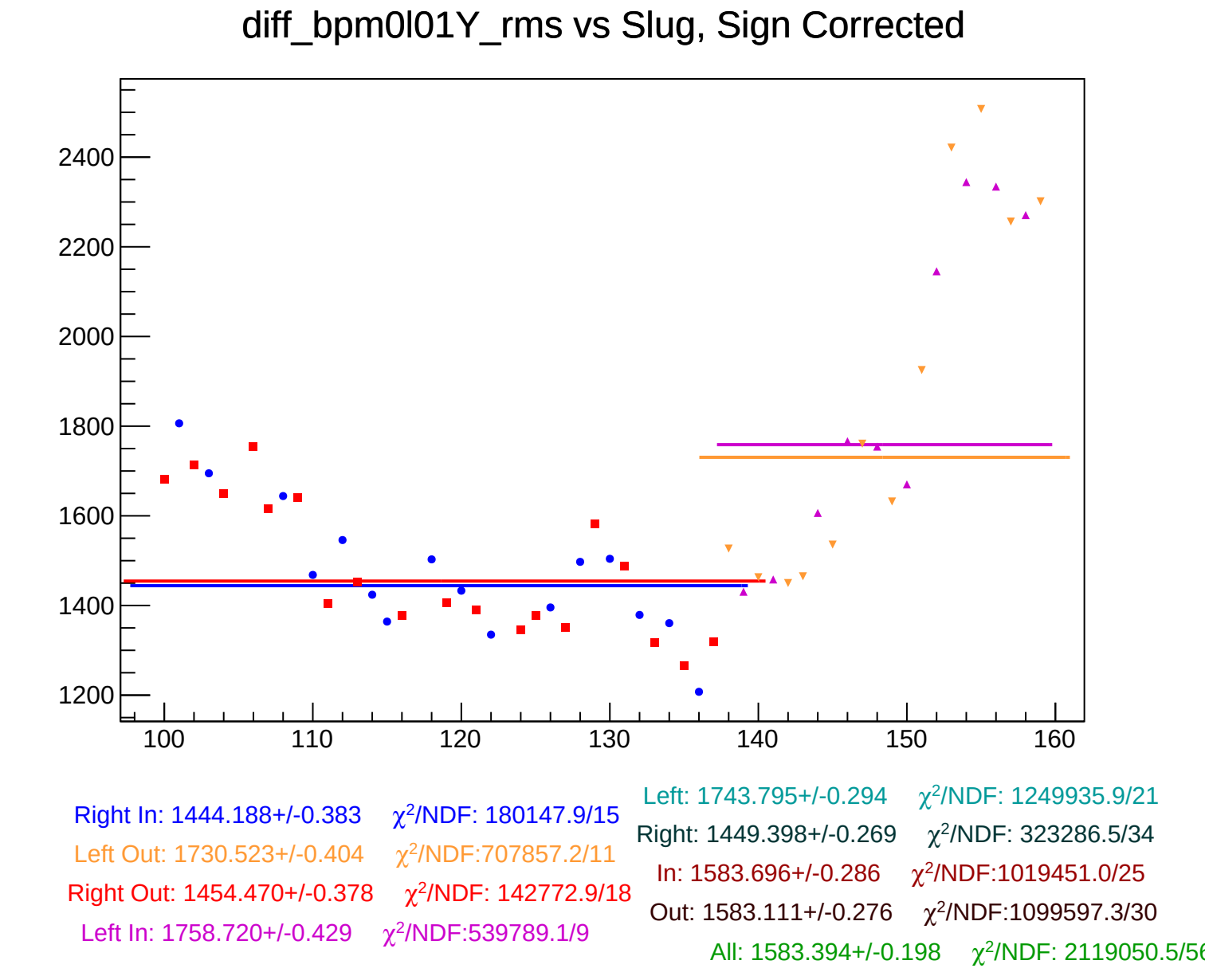
Left: -5.674+/-0.416 χ^2/NDF: 1240.2/21

Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

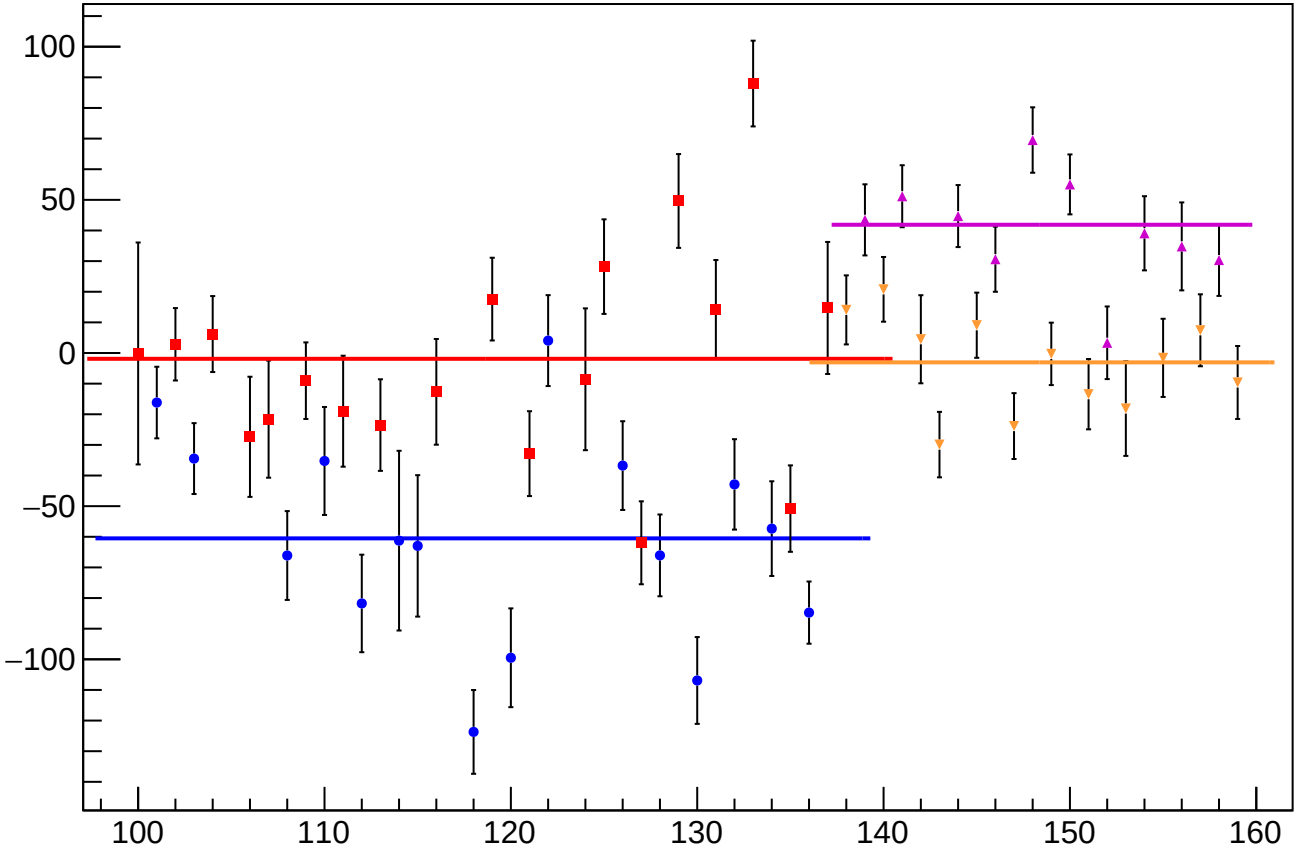
In: -2.159+/-0.404 χ^2/NDF:2159.5/25

Out: 1.651+/-0.390 χ^2/NDF:896.9/30

All: -0.189+/-0.281 χ^2/NDF: 3102.4/56


diff_bpm0l01Y_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1444.188+/-0.383 χ²/NDF: 180147.9/15
Left Out: 1730.523+/-0.404 χ²/NDF:707857.2/11
Right Out: 1454.470+/-0.378 χ²/NDF: 142772.9/18
Left In: 1758.720+/-0.429 χ²/NDF:539789.1/9
Left: 1743.795+/-0.294 χ²/NDF: 1249935.9/21
Right: 1449.398+/-0.269 χ²/NDF: 323286.5/34
In: 1583.696+/-0.286 χ²/NDF:1019451.0/25
Out: 1583.111+/-0.276 χ²/NDF:1099597.3/30
All: 1583.394+/-0.198 χ²/NDF: 2119050.5/56

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.052+/-3.338 χ^2/NDF:22.0/11

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 41.870+/-3.512 χ^2/NDF:22.4/9

Left: 18.268+/-2.420 χ^2/NDF: 130.3/21

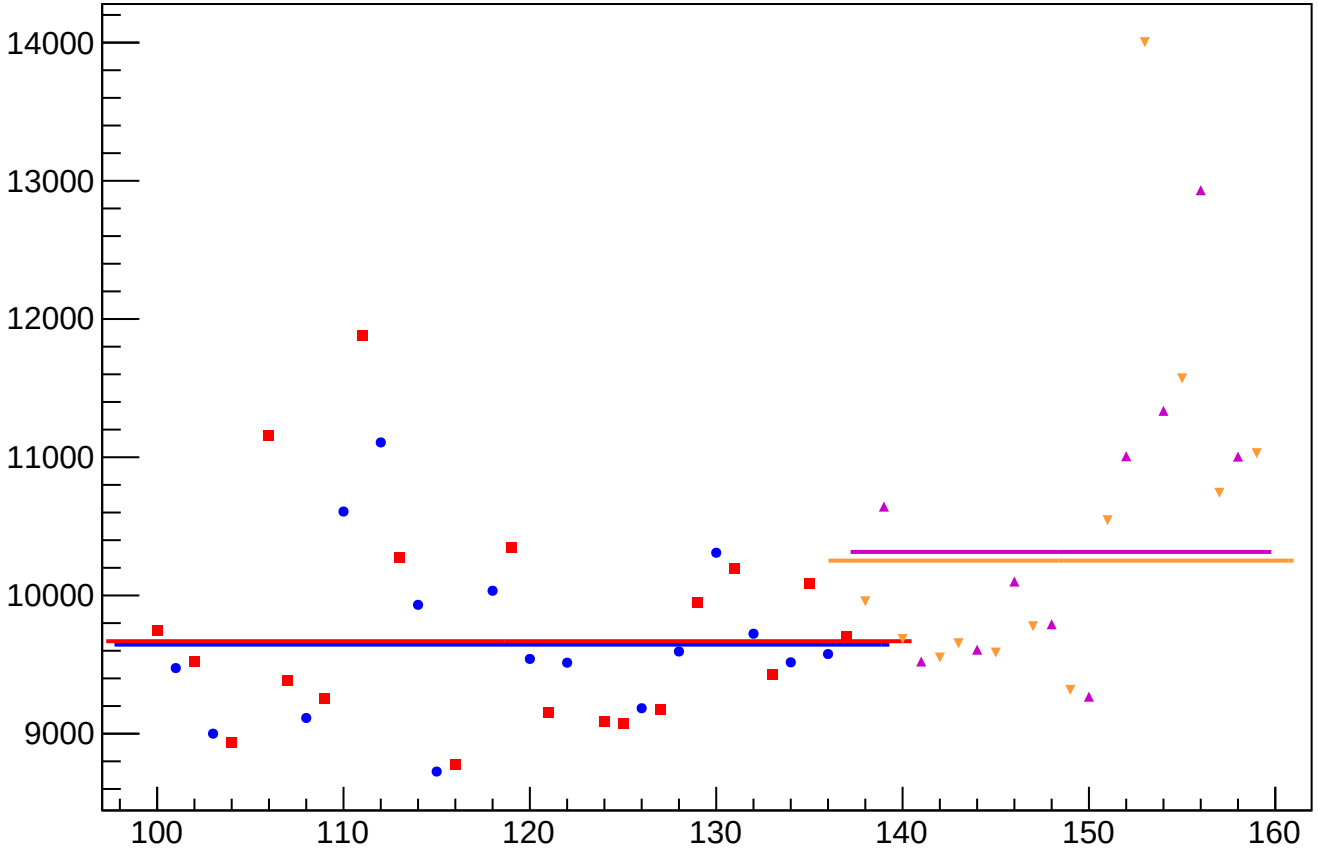
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -8.113+/-2.513 χ^2/NDF:527.6/25

Out: -2.507+/-2.430 χ^2/NDF:125.9/30

All: -5.216+/-1.747 χ^2/NDF: 656.1/56

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10252.149+/-2.360 χ^2/NDF:198994.0/11

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10314.886+/-2.484 χ^2/NDF:146534.8/9

Left: 10281.924+/-1.711 χ^2/NDF: 345864.1/21

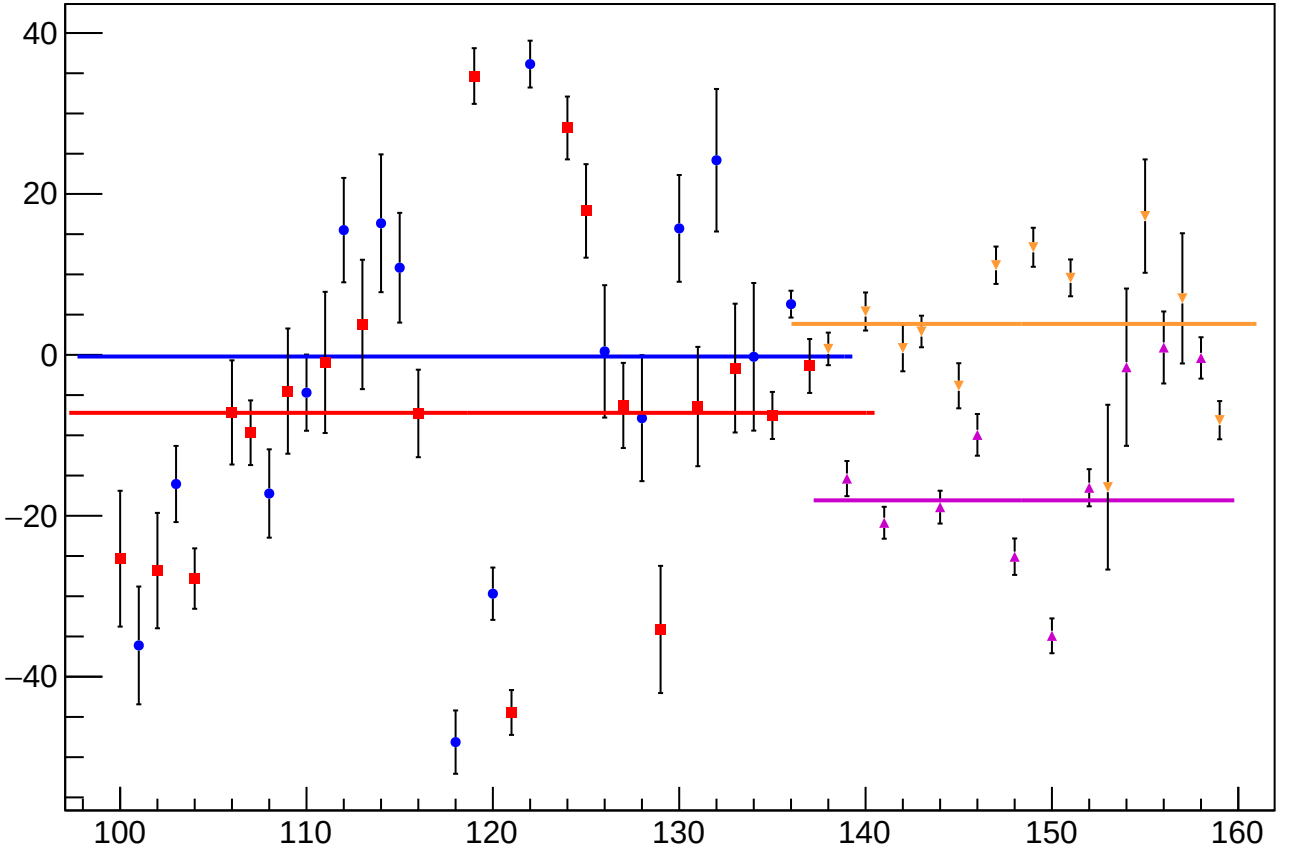
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9987.564+/-1.777 χ^2/NDF:226218.2/25

Out: 9977.973+/-1.718 χ^2/NDF:307562.5/30

All: 9982.607+/-1.235 χ^2/NDF: 533795.8/56

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 3.849+/-0.767 χ^2/NDF:76.2/11

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -18.081+/-0.776 χ^2/NDF:152.3/9

Left: -6.993+/-0.546 χ^2/NDF: 632.4/21

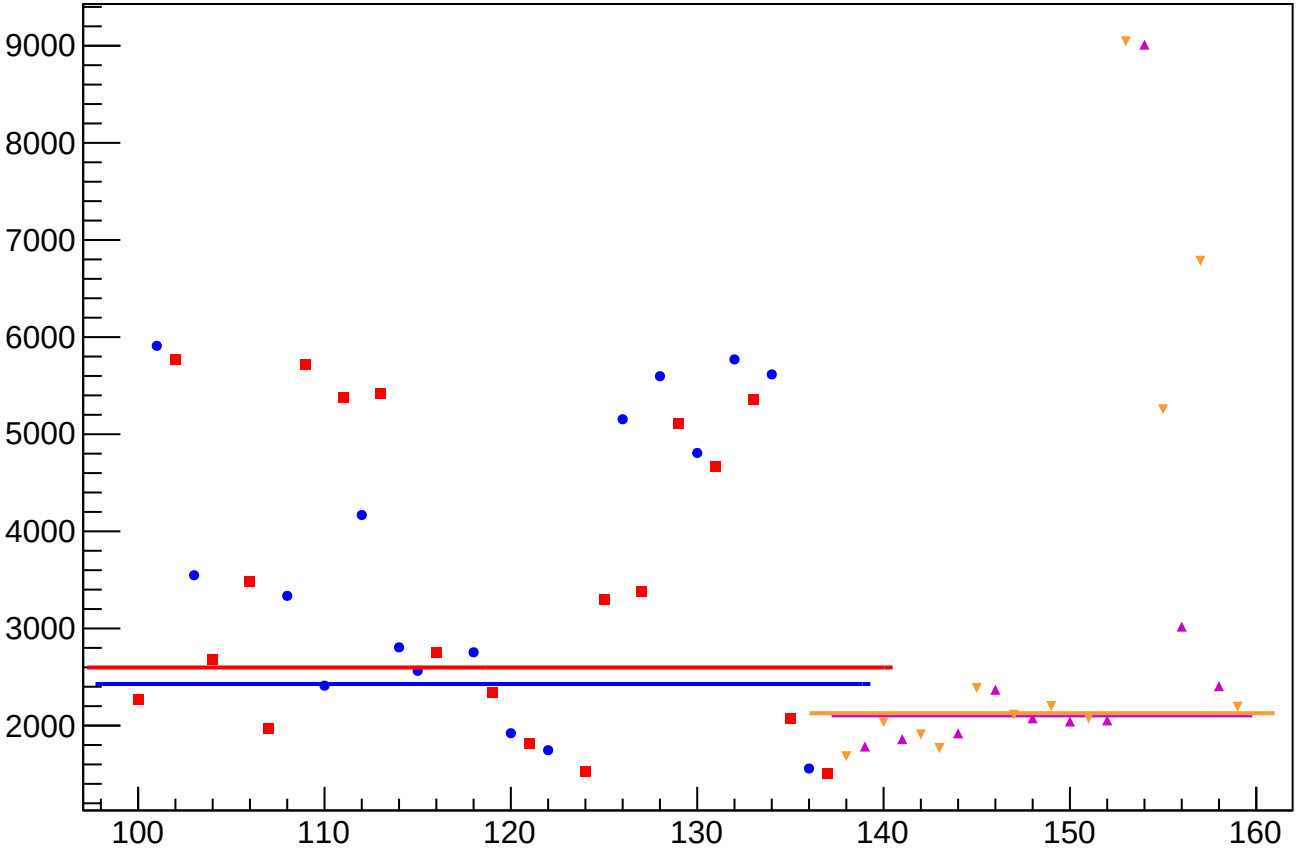
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.731+/-0.623 χ^2/NDF:814.5/25

Out: 0.111+/-0.624 χ^2/NDF:632.1/30

All: -5.821+/-0.441 χ^2/NDF: 1626.9/56

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2127.759+/-0.543 χ^2/NDF:2168865.6/11

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2105.106+/-0.549 χ^2/NDF:1222740.0/9

Left: 2116.559+/-0.386 χ^2/NDF: 3392467.4/21

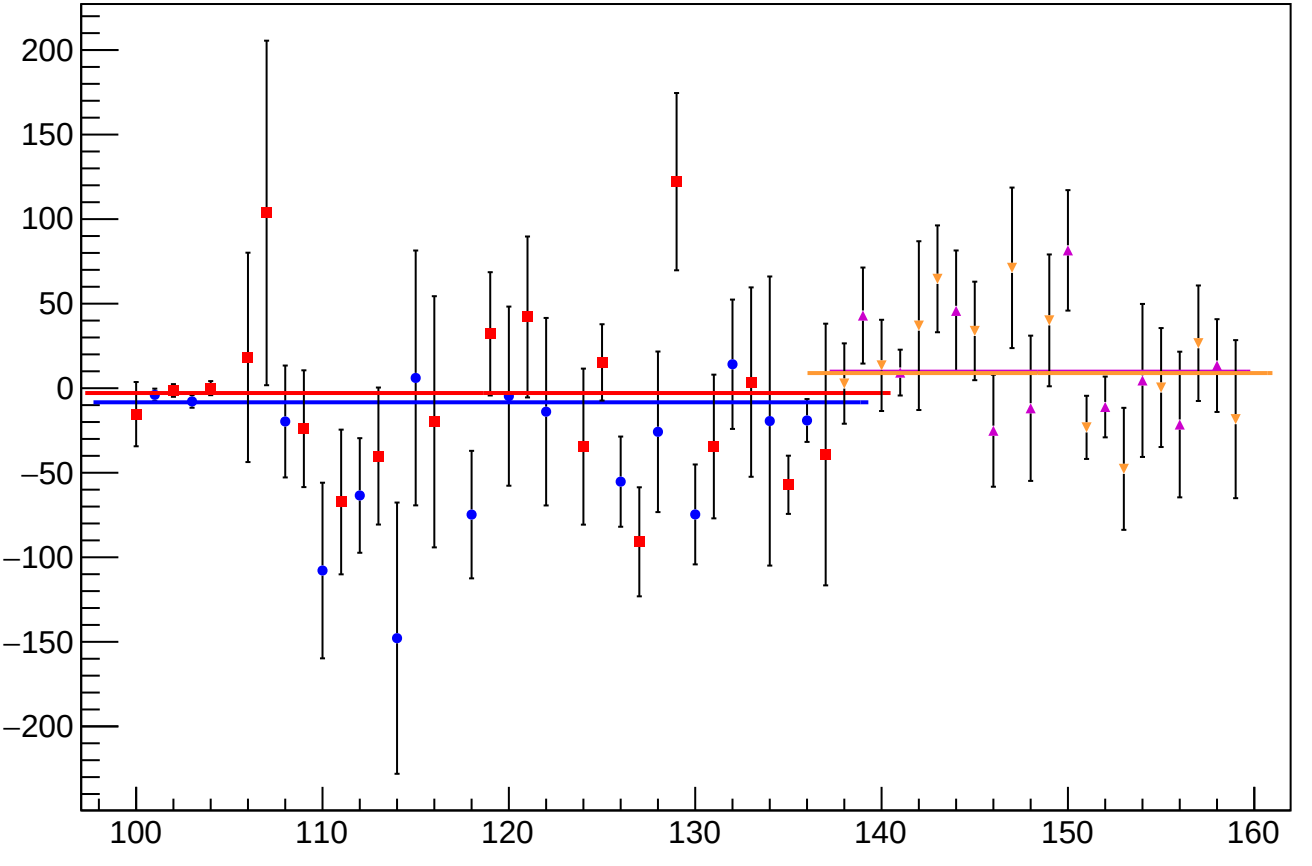
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2219.841+/-0.441 χ^2/NDF:4161168.2/25

Out: 2286.850+/-0.441 χ^2/NDF:4938105.6/30

All: 2253.281+/-0.312 χ^2/NDF: 9110818.2/56

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 8.951+/-8.913 χ^2/NDF:12.7/11

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.785+/-8.121 χ^2/NDF:9.7/9

Left: 9.407+/-6.003 χ^2/NDF: 22.4/21

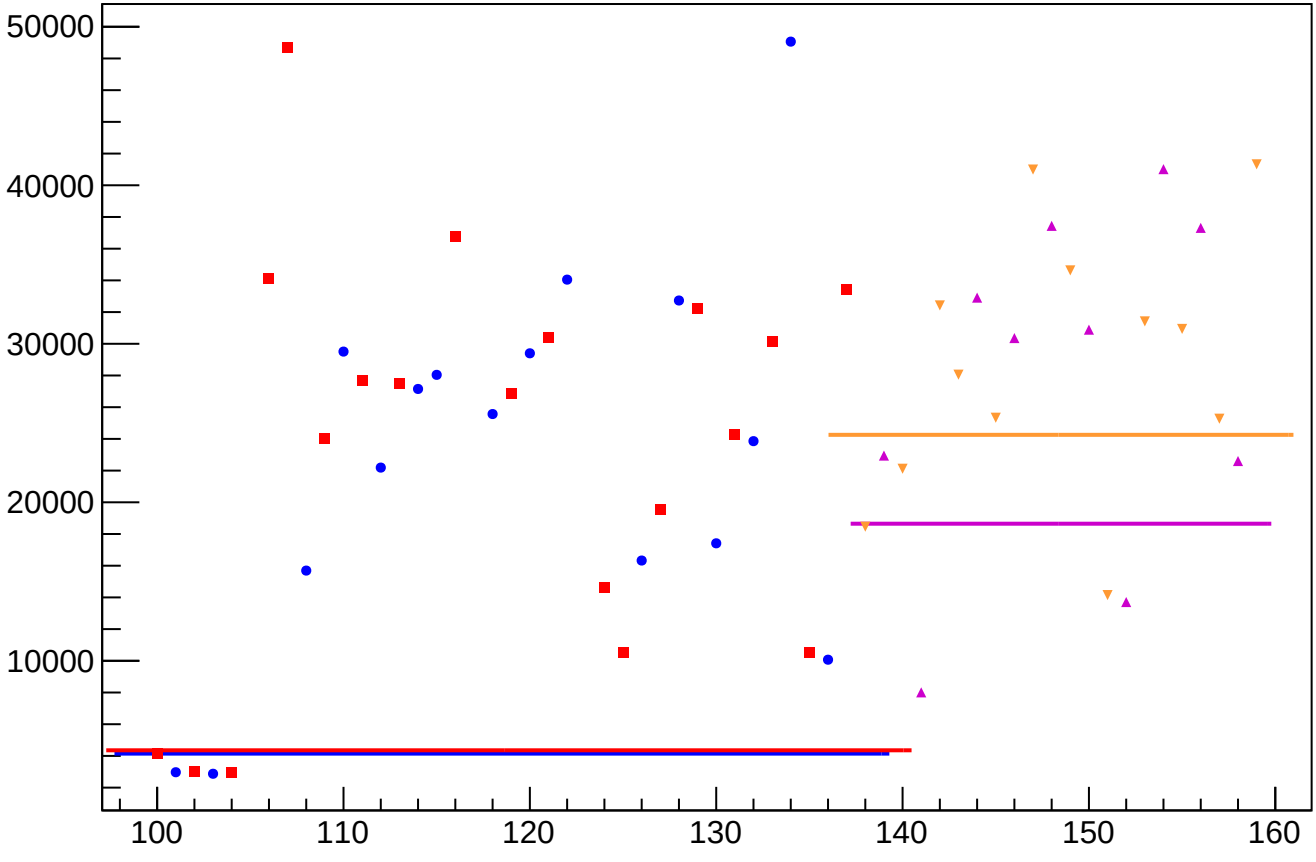
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.765+/-2.389 χ^2/NDF:37.7/25

Out: -1.897+/-2.531 χ^2/NDF:46.9/30

All: -4.471+/-1.737 χ^2/NDF: 86.6/56

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24256.127+/-6.303 χ^2/NDF:1612209.5/11

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 18649.426+/-5.742 χ^2/NDF:3523744.3/9

Left: 21192.455+/-4.245 χ^2/NDF: 5568368.2/21

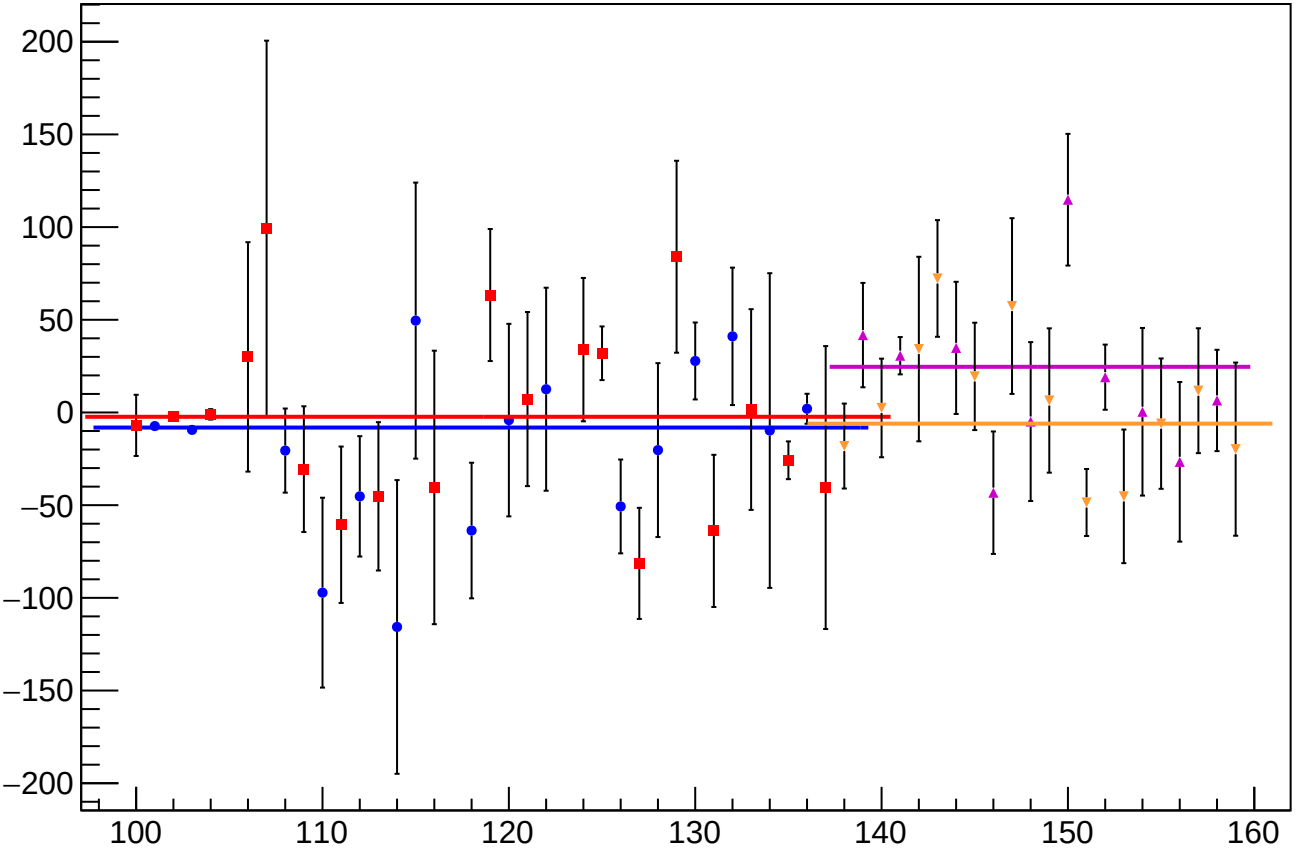
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5400.797+/-1.689 χ^2/NDF:16188288.0/25

Out: 5959.038+/-1.790 χ^2/NDF:18403875.6/30

All: 5663.804+/-1.228 χ^2/NDF: 34643622.7/5

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.024+/-8.768 χ^2/NDF:17.0/11

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 24.631+/-7.110 χ^2/NDF:14.2/9

Left: 12.469+/-5.523 χ^2/NDF: 38.6/21

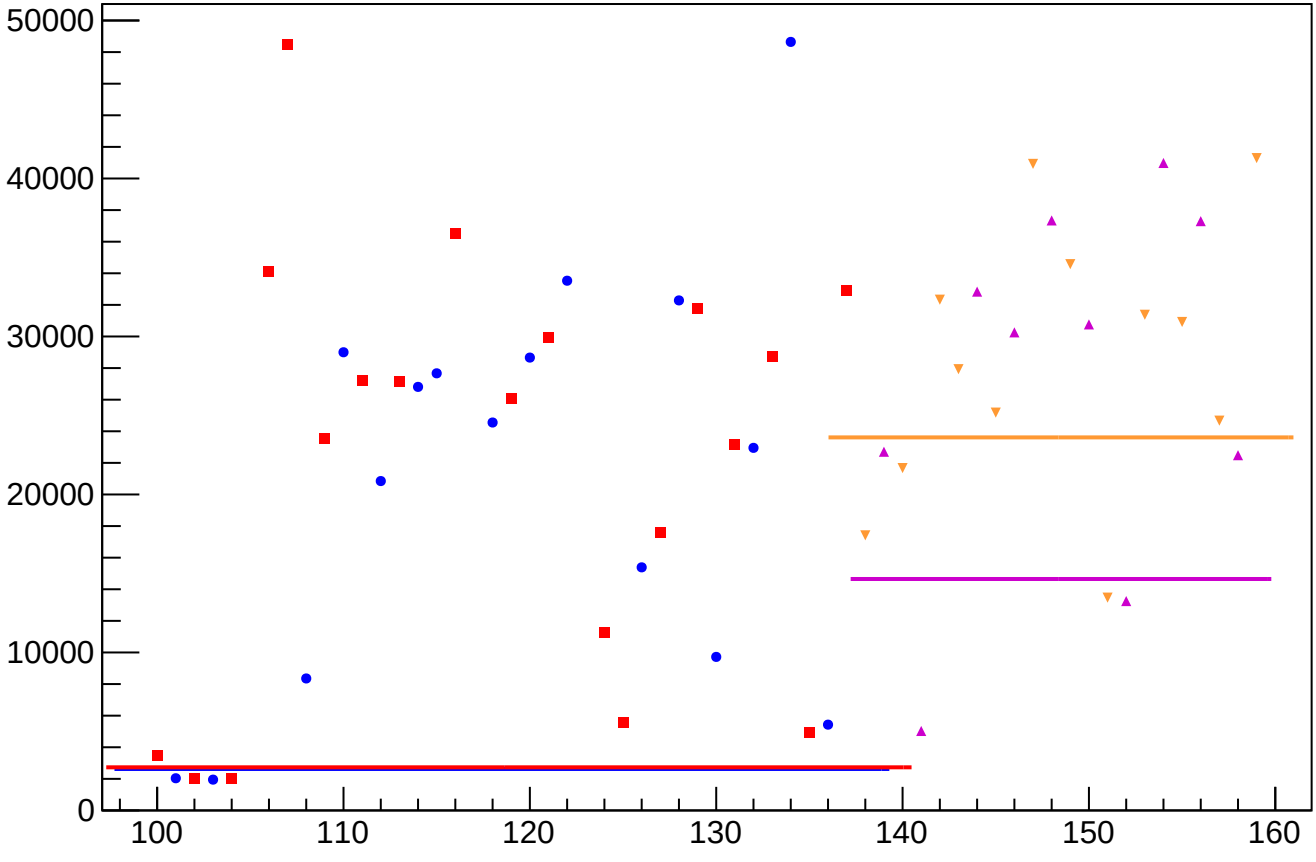
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.320+/-1.672 χ^2/NDF:53.4/25

Out: -2.478+/-1.784 χ^2/NDF:50.2/30

All: -4.523+/-1.220 χ^2/NDF: 106.0/56

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 23612.723+/-6.200 χ^2/NDF:1785107.6/11

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 14650.334+/-5.028 χ^2/NDF:5339261.9/9

Left: 18206.150+/-3.905 χ^2/NDF: 8385071.1/21

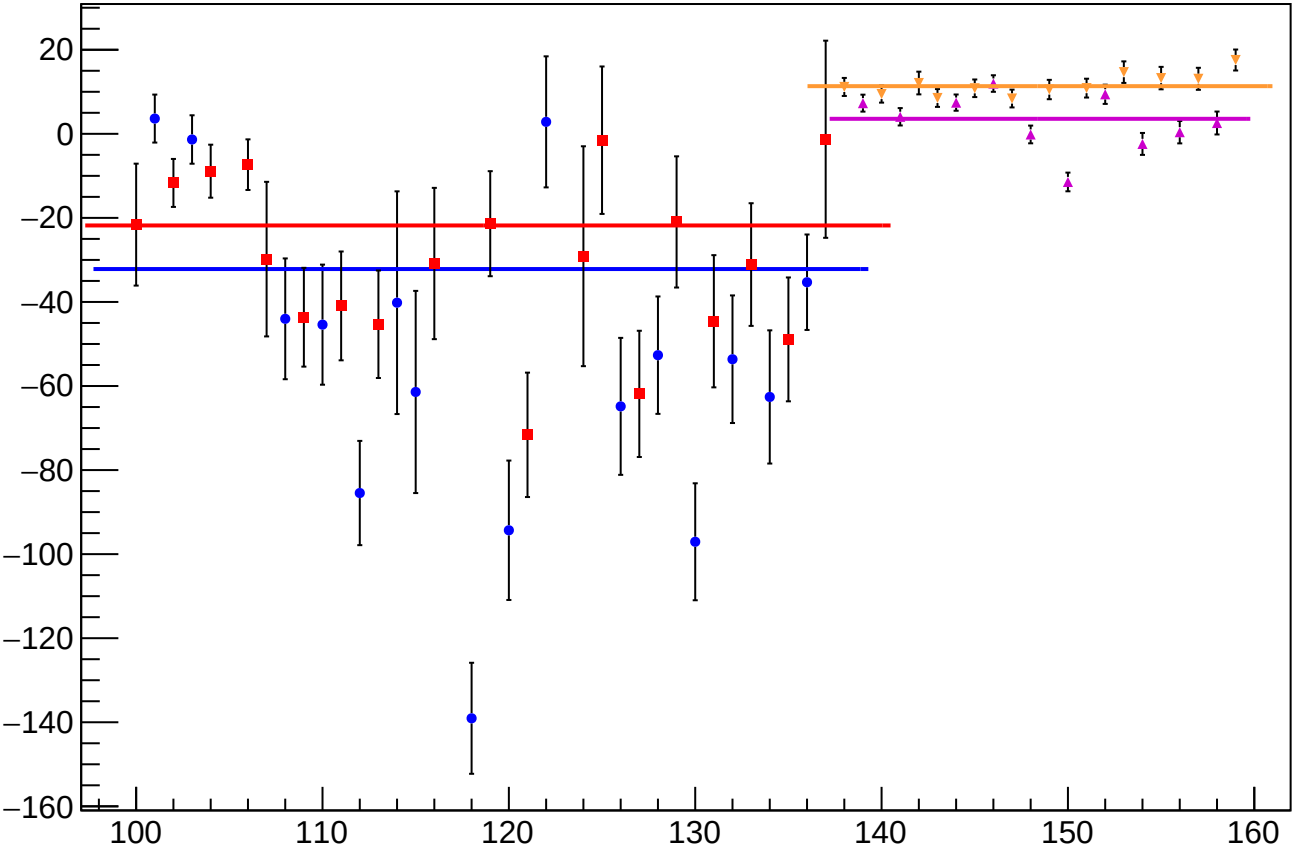
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3291.413+/-1.182 χ^2/NDF:17523107.1/25

Out: 3594.404+/-1.261 χ^2/NDF:20647270.5/30

All: 3433.149+/-0.863 χ^2/NDF: 38201095.6/5

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.340+/-0.666 χ^2/NDF:13.7/11

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.572+/-0.699 χ^2/NDF:87.7/9

Left: 7.645+/-0.482 χ^2/NDF: 166.2/21

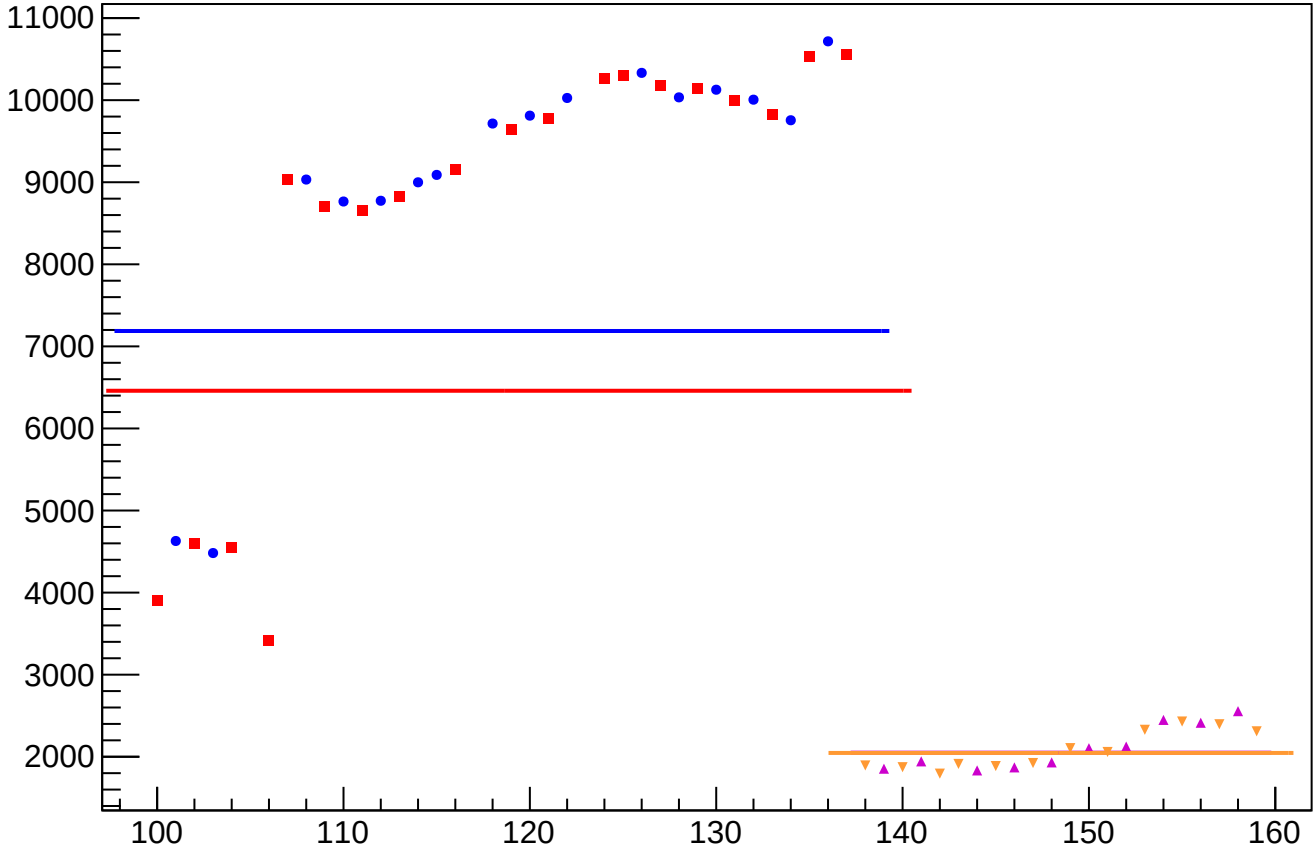
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.532+/-0.679 χ^2/NDF:444.7/25

Out: 9.235+/-0.644 χ^2/NDF:220.1/30

All: 5.584+/-0.467 χ^2/NDF: 732.5/56

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2046.413+/-0.471 χ^2/NDF:192982.9/11

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2049.610+/-0.494 χ^2/NDF:228195.7/9

Left: 2047.934+/-0.341 χ^2/NDF: 421200.5/21

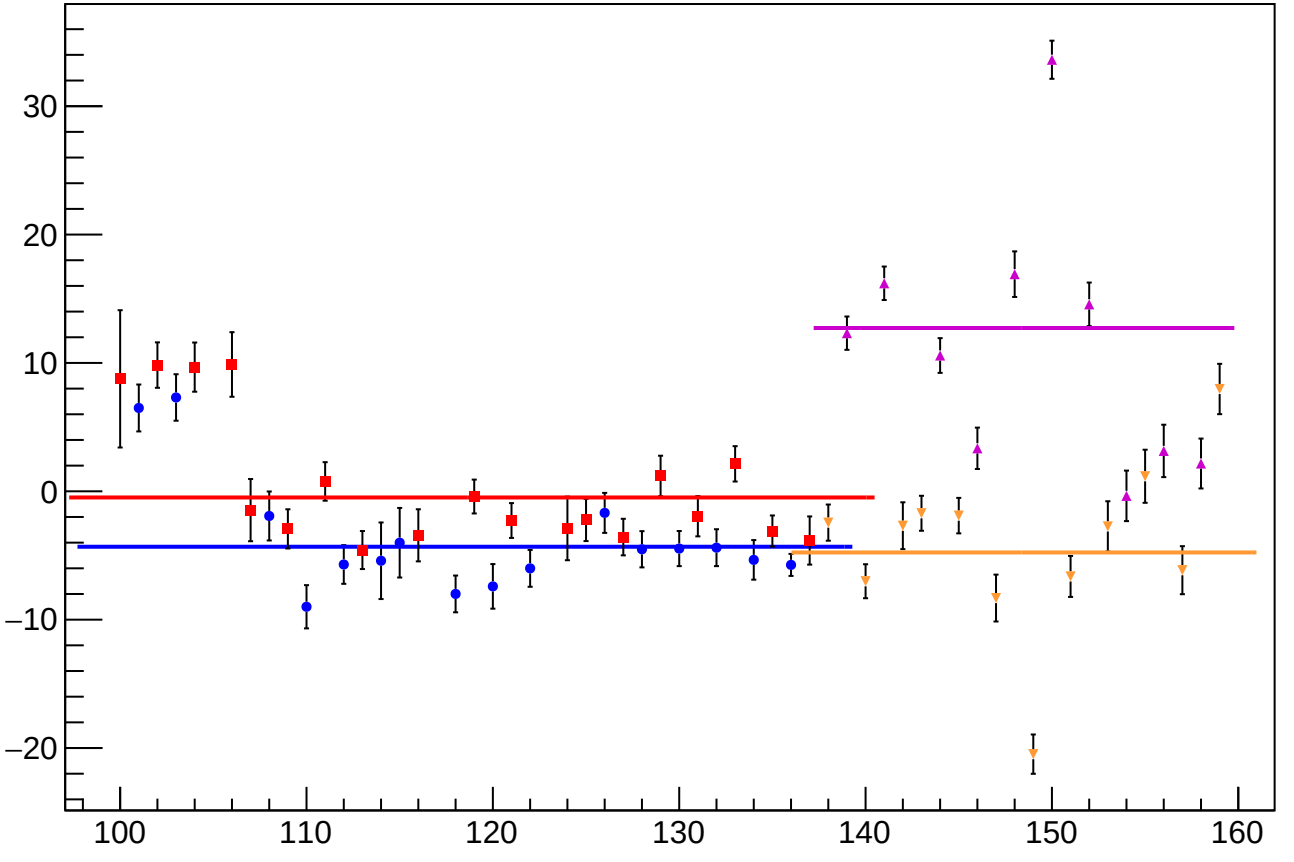
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2342.908+/-0.480 χ^2/NDF:8098422.4/25

Out: 2326.680+/-0.456 χ^2/NDF:8046444.3/30

All: 2334.371+/-0.331 χ^2/NDF: 16145467.8/5

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.765+/-0.467 χ^2/NDF:178.7/11

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 12.721+/-0.500 χ^2/NDF:343.9/9

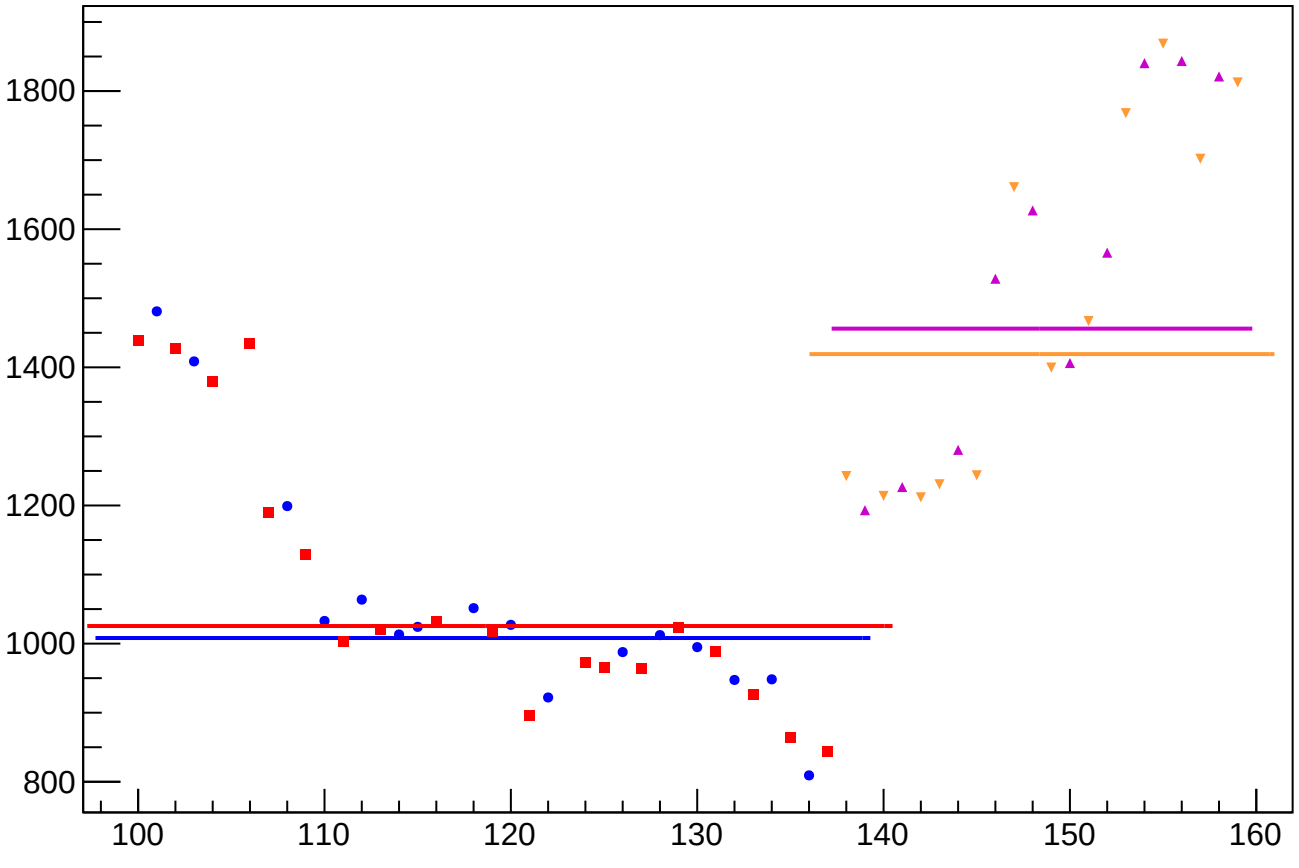
Left: 3.366+/-0.341 χ^2/NDF: 1175.9/21

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.908+/-0.303 χ^2/NDF:1183.4/25

Out: -2.182+/-0.294 χ^2/NDF:346.7/30

All: -0.195+/-0.211 χ^2/NDF: 1624.2/56



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1419.138+/-0.330 χ^2/NDF:496949.6/11

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1456.037+/-0.354 χ^2/NDF:429756.2/9

Left: 1436.296+/-0.241 χ^2/NDF: 932523.6/21

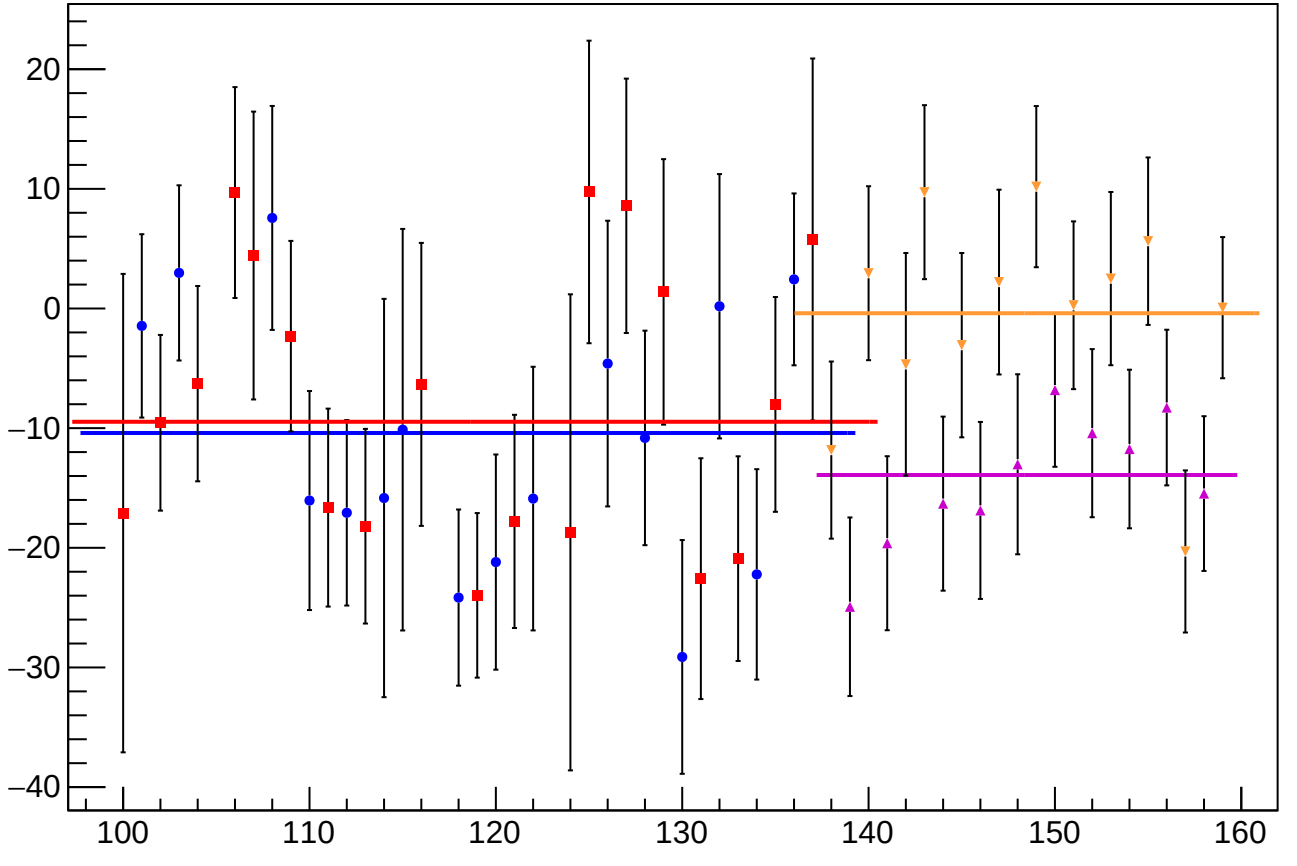
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1171.801+/-0.214 χ^2/NDF:1825451.6/25

Out: 1181.824+/-0.208 χ^2/NDF:1701393.2/30

All: 1176.955+/-0.149 χ^2/NDF: 3527974.0/56

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.396+/-2.069 χ^2/NDF:17.0/11

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -13.916+/-2.200 χ^2/NDF:5.5/9

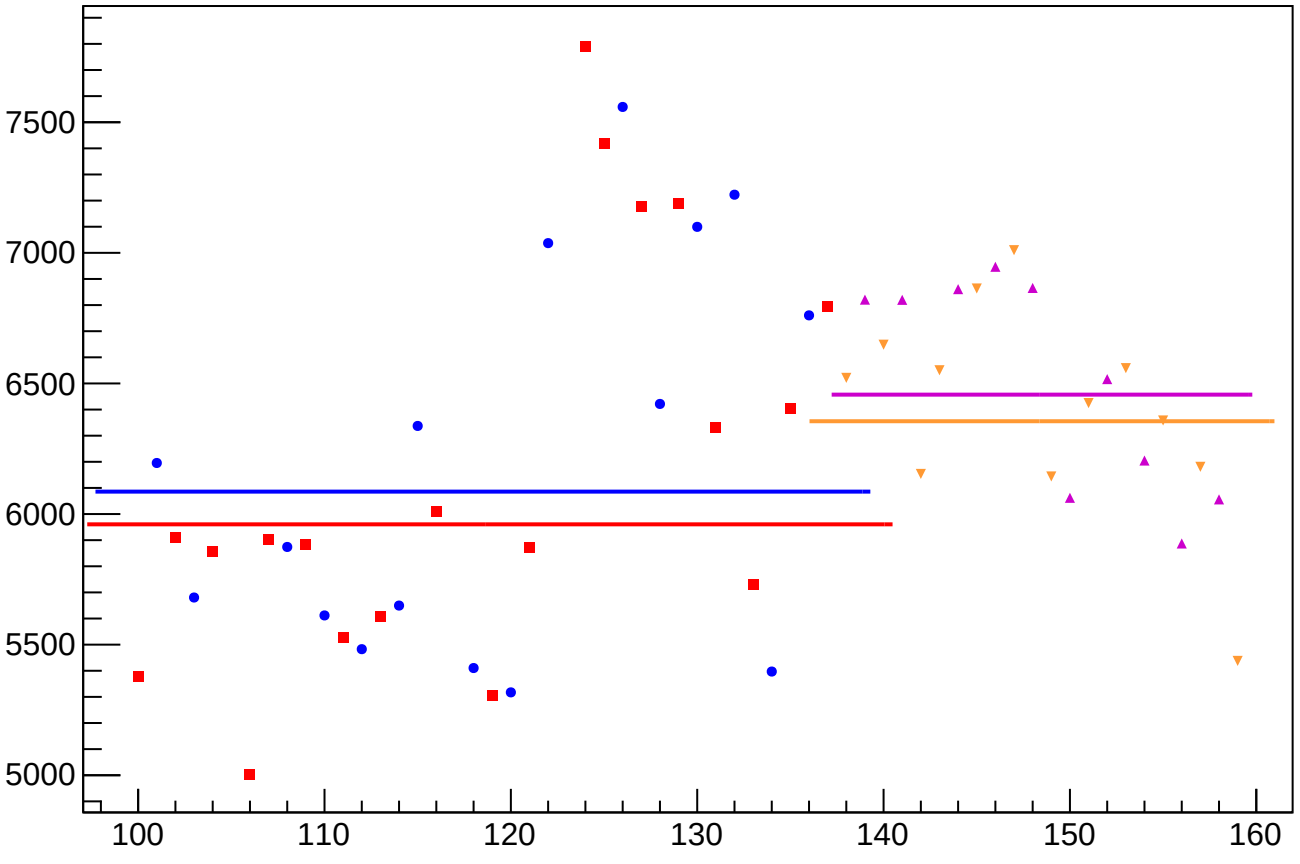
Left: -6.740+/-1.507 χ^2/NDF: 42.5/21

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.222+/-1.583 χ^2/NDF:31.3/25

Out: -4.671+/-1.504 χ^2/NDF:51.4/30

All: -8.254+/-1.090 χ^2/NDF: 94.7/56



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6355.325+/-1.463 χ^2/NDF:83195.3/11

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6457.150+/-1.556 χ^2/NDF:64227.7/9

Left: 6403.107+/-1.066 χ^2/NDF: 149696.9/21

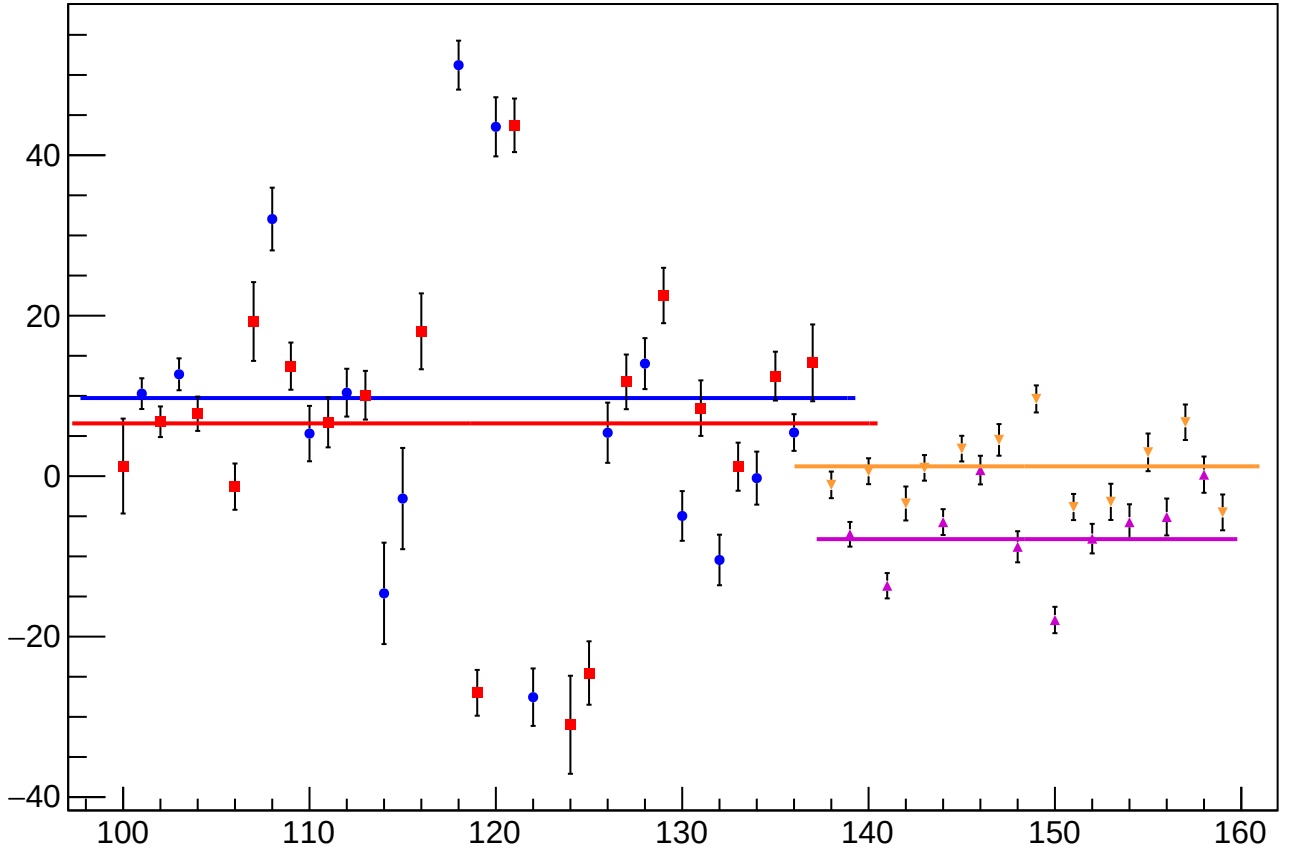
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6278.138+/-1.119 χ^2/NDF:270809.8/25

Out: 6169.286+/-1.064 χ^2/NDF:280286.6/30

All: 6220.927+/-0.771 χ^2/NDF: 556065.7/56

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.223+/-0.533 χ^2/NDF:63.3/11

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.848+/-0.573 χ^2/NDF:91.5/9

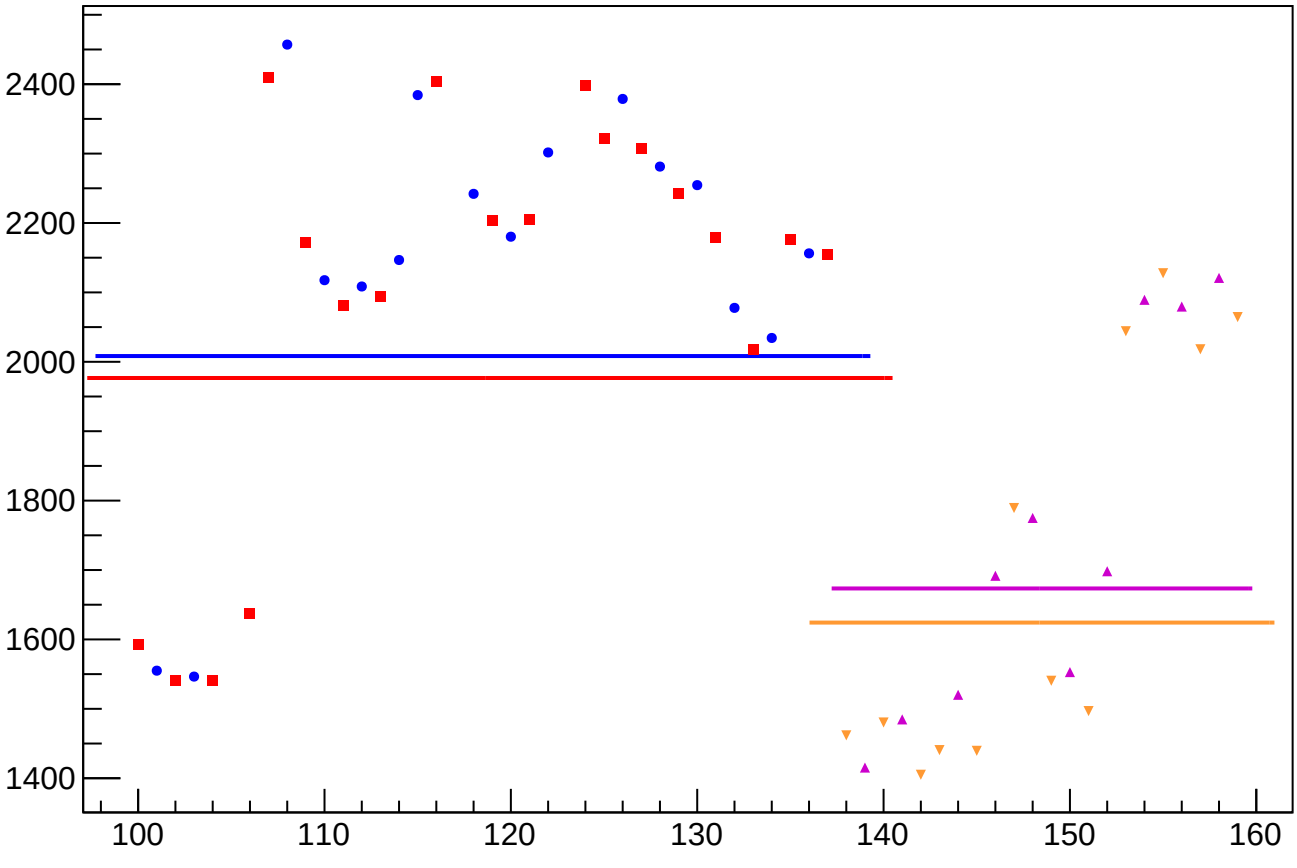
Left: -2.979+/-0.390 χ^2/NDF: 289.2/21

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.416+/-0.457 χ^2/NDF:947.8/25

Out: 3.082+/-0.430 χ^2/NDF:522.1/30

All: 0.966+/-0.313 χ^2/NDF: 1521.4/56



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1624.271+/-0.377 χ^2/NDF:443474.2/11

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1673.427+/-0.405 χ^2/NDF:330220.5/9

Left: 1647.042+/-0.276 χ^2/NDF: 781583.8/21

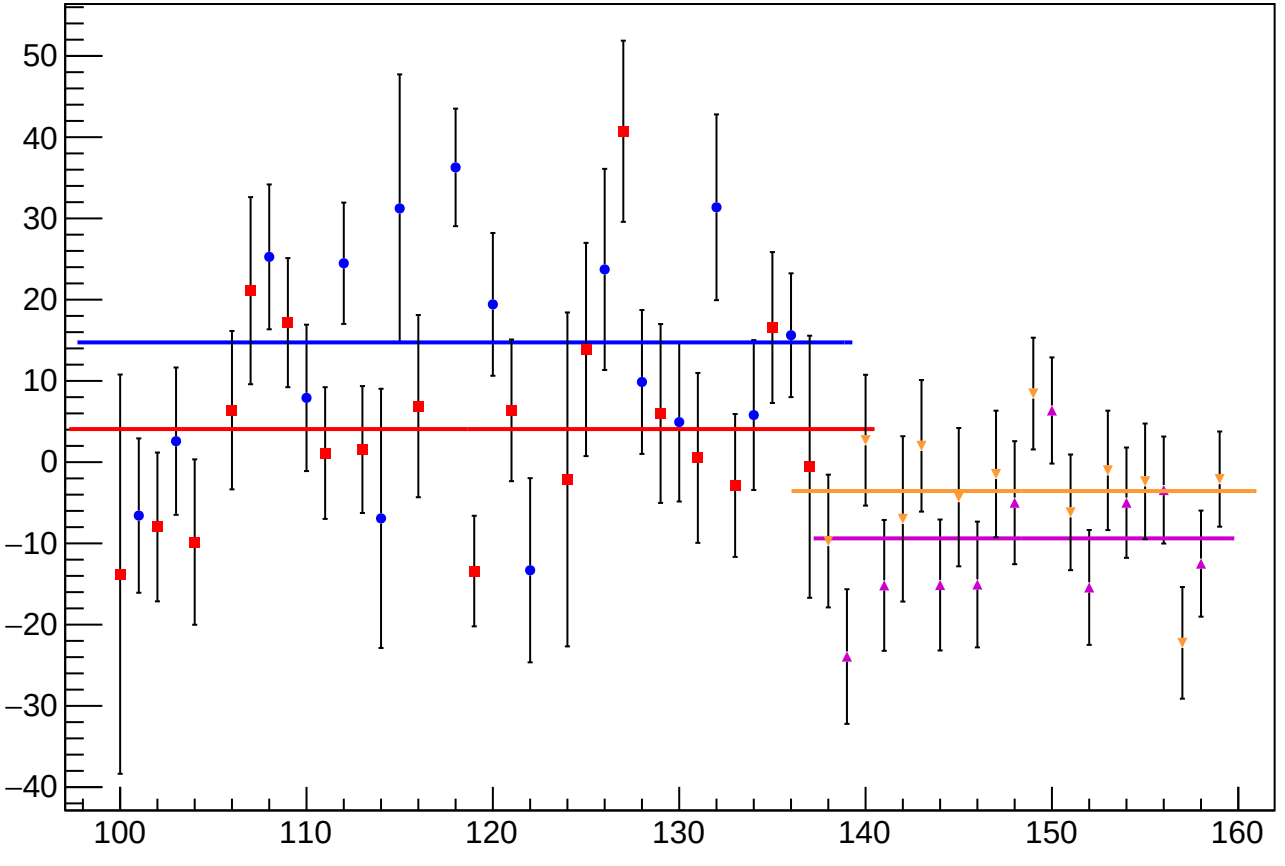
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1795.941+/-0.323 χ^2/NDF:924159.6/25

Out: 1746.647+/-0.304 χ^2/NDF:1112811.5/30

All: 1769.836+/-0.221 χ^2/NDF: 2049314.2/56

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.556+/-2.156 χ^2/NDF:12.6/11

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -9.383+/-2.287 χ^2/NDF:13.0/9

Left: -6.298+/-1.569 χ^2/NDF: 29.0/21

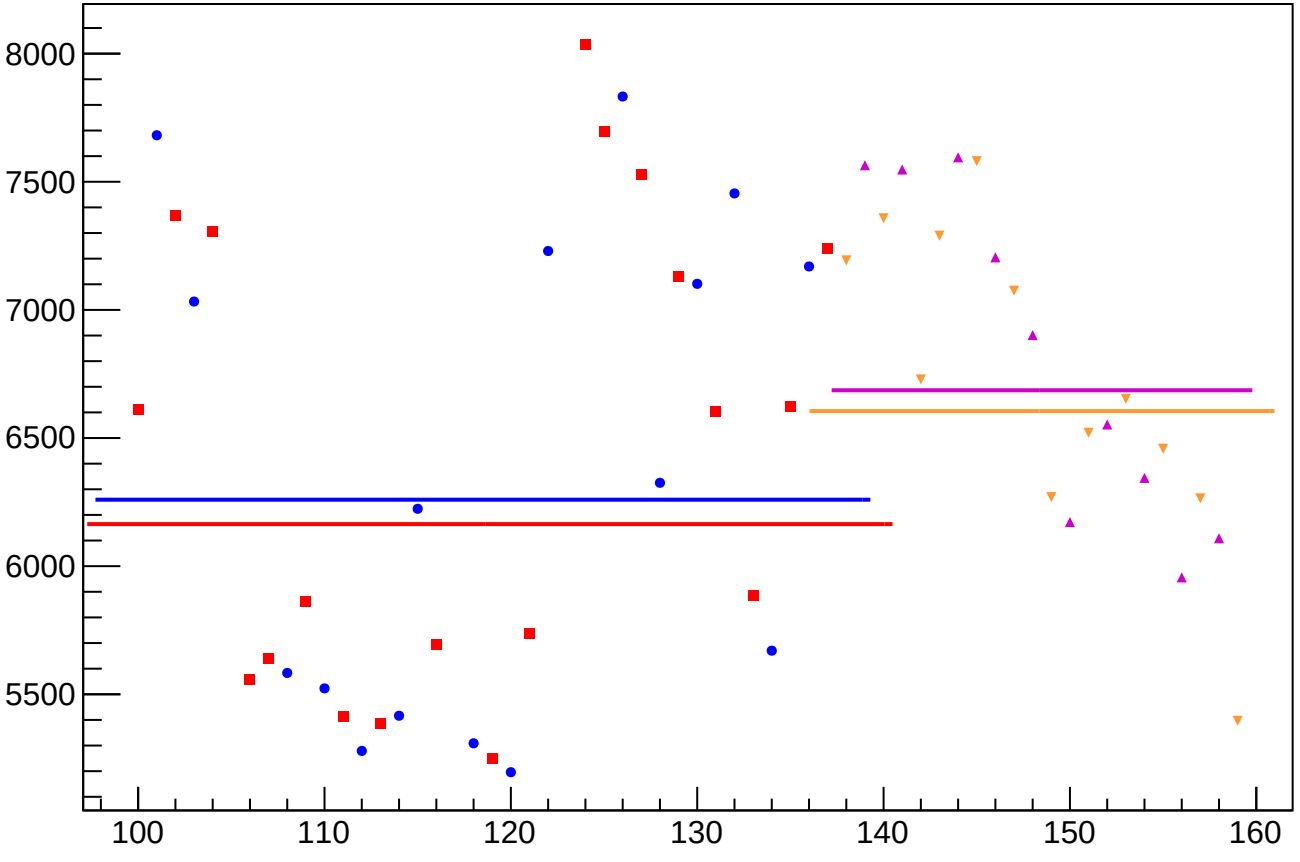
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 2.312+/-1.642 χ^2/NDF:100.4/25

Out: 0.056+/-1.565 χ^2/NDF:48.7/30

All: 1.130+/-1.133 χ^2/NDF: 150.1/56

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6605.185+/-1.525 χ^2/NDF:171958.3/11

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6686.406+/-1.617 χ^2/NDF:139809.5/9

Left: 6643.408+/-1.109 χ^2/NDF: 313103.0/21

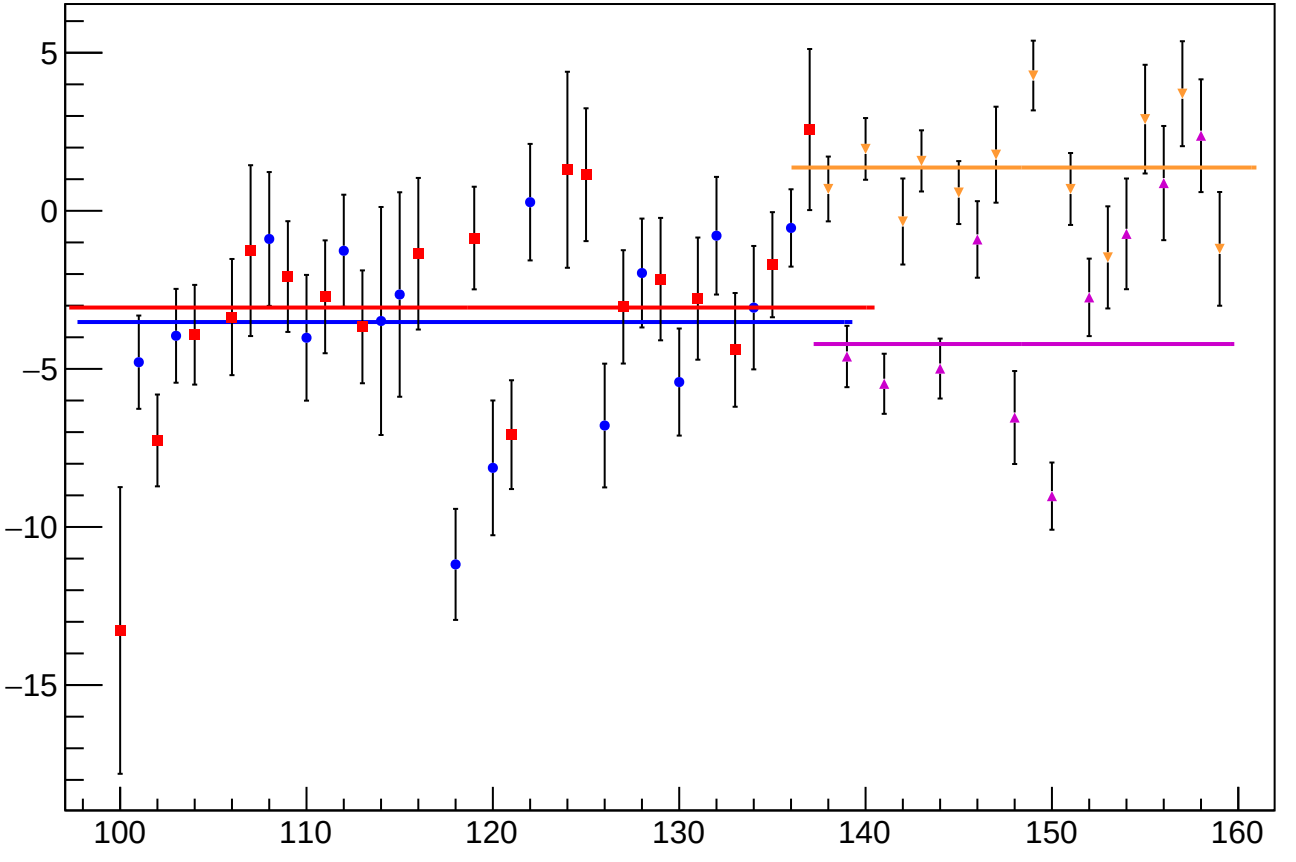
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6479.391+/-1.161 χ^2/NDF:482212.6/25

Out: 6396.339+/-1.106 χ^2/NDF:476634.3/30

All: 6435.872+/-0.801 χ^2/NDF: 961529.2/56

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.369+/-0.353 χ^2/NDF:18.4/11

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.213+/-0.380 χ^2/NDF:60.0/9

Left: -1.214+/-0.258 χ^2/NDF: 194.4/21

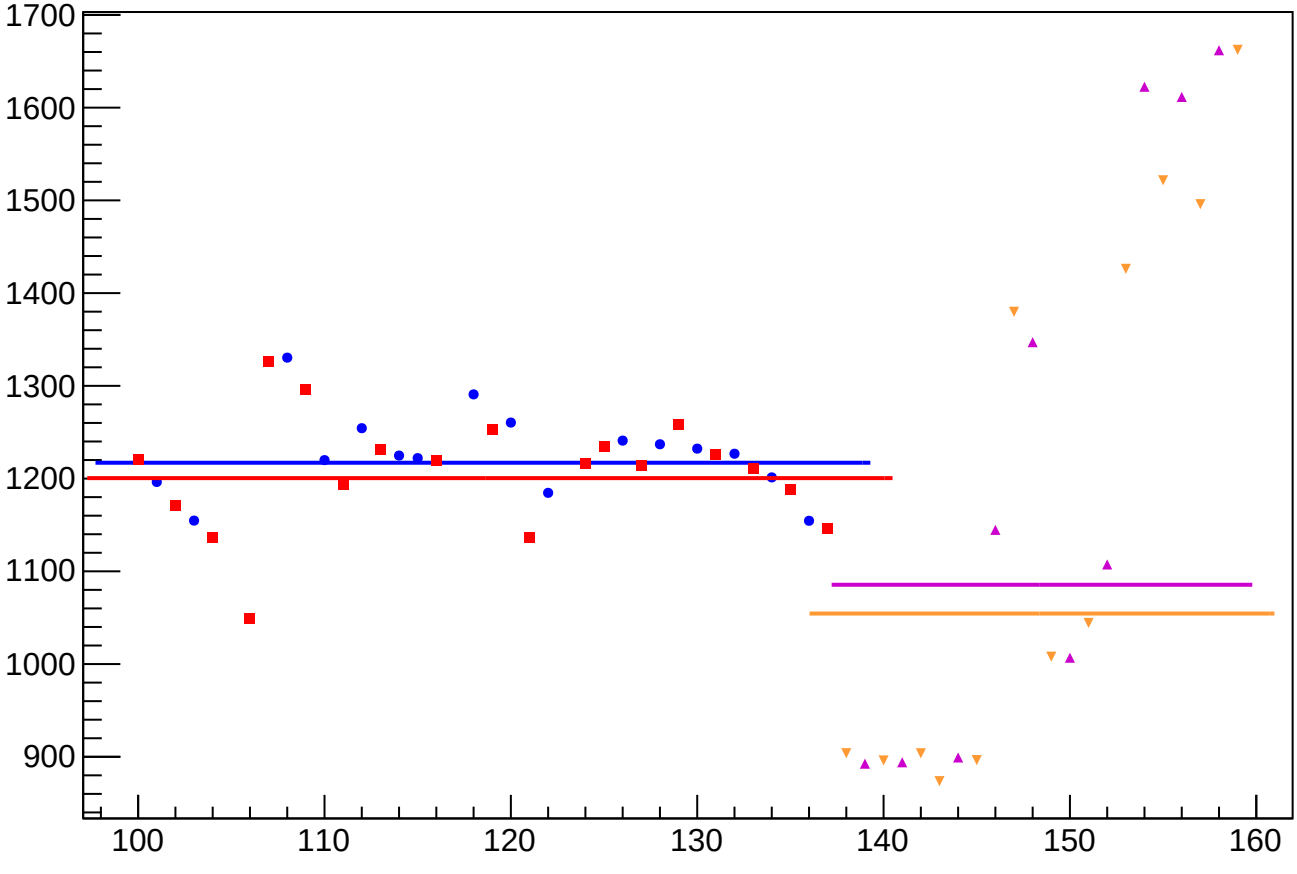
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.926+/-0.291 χ^2/NDF:106.5/25

Out: -0.371+/-0.275 χ^2/NDF:115.1/30

All: -2.046+/-0.200 χ^2/NDF: 300.6/56

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1054.478+/-0.249 χ^2/NDF:959702.5/11

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1085.503+/-0.269 χ^2/NDF:883795.5/9

Left: 1068.832+/-0.183 χ^2/NDF: 1850661.3/21

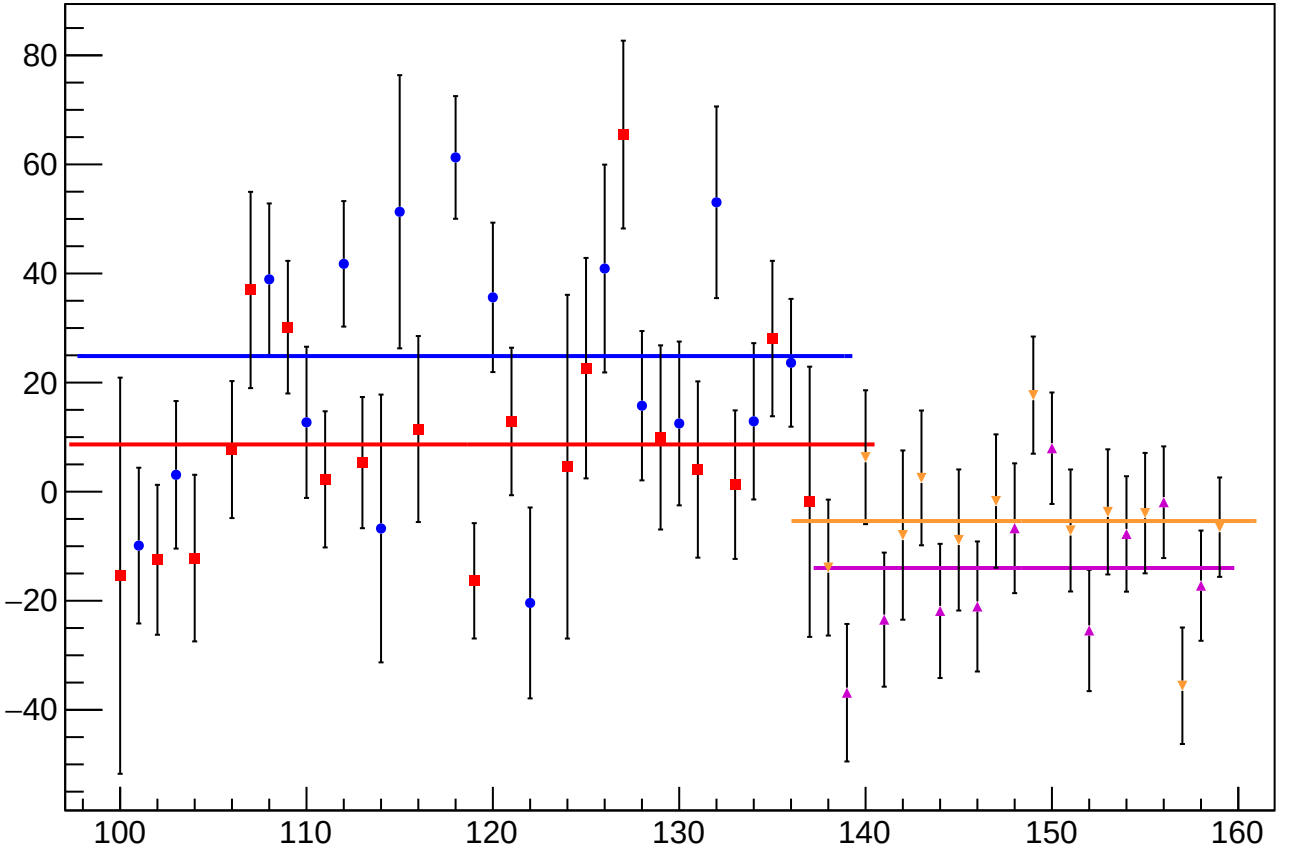
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1139.939+/-0.206 χ^2/NDF:1004693.2/25

Out: 1111.844+/-0.194 χ^2/NDF:1132099.8/30

All: 1125.086+/-0.141 χ^2/NDF: 2146650.0/56

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -5.383+/-3.338 χ^2/NDF:14.7/11

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -13.992+/-3.546 χ^2/NDF:12.5/9

Left: -9.428+/-2.431 χ^2/NDF: 30.3/21

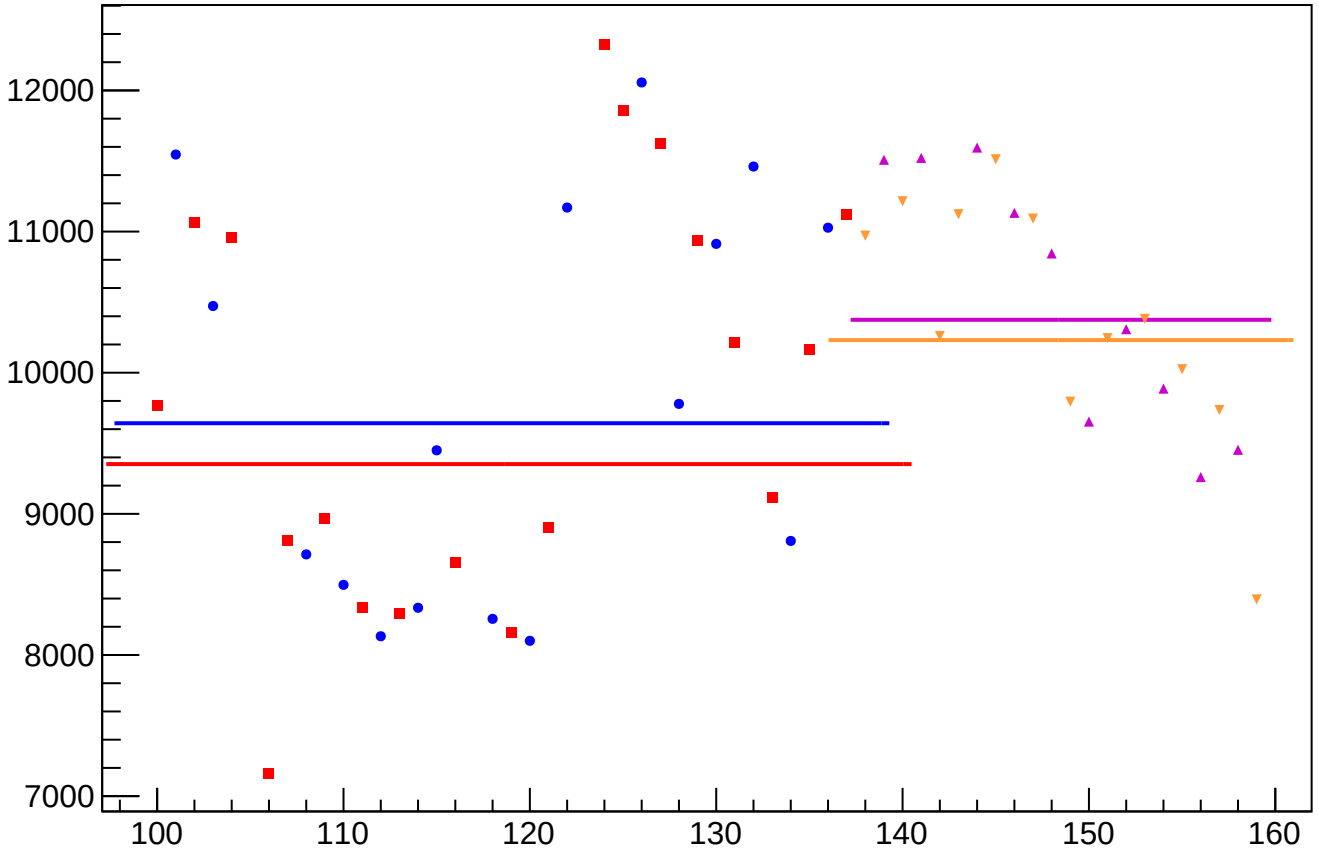
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 4.989+/-2.536 χ^2/NDF:109.3/25

Out: 1.399+/-2.400 χ^2/NDF:53.3/30

All: 3.095+/-1.743 χ^2/NDF: 163.7/56

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10231.074+/-2.360 χ^2/NDF:149827.5/11

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10374.942+/-2.507 χ^2/NDF:119052.5/9

Left: 10298.674+/-1.719 χ^2/NDF: 270625.5/21

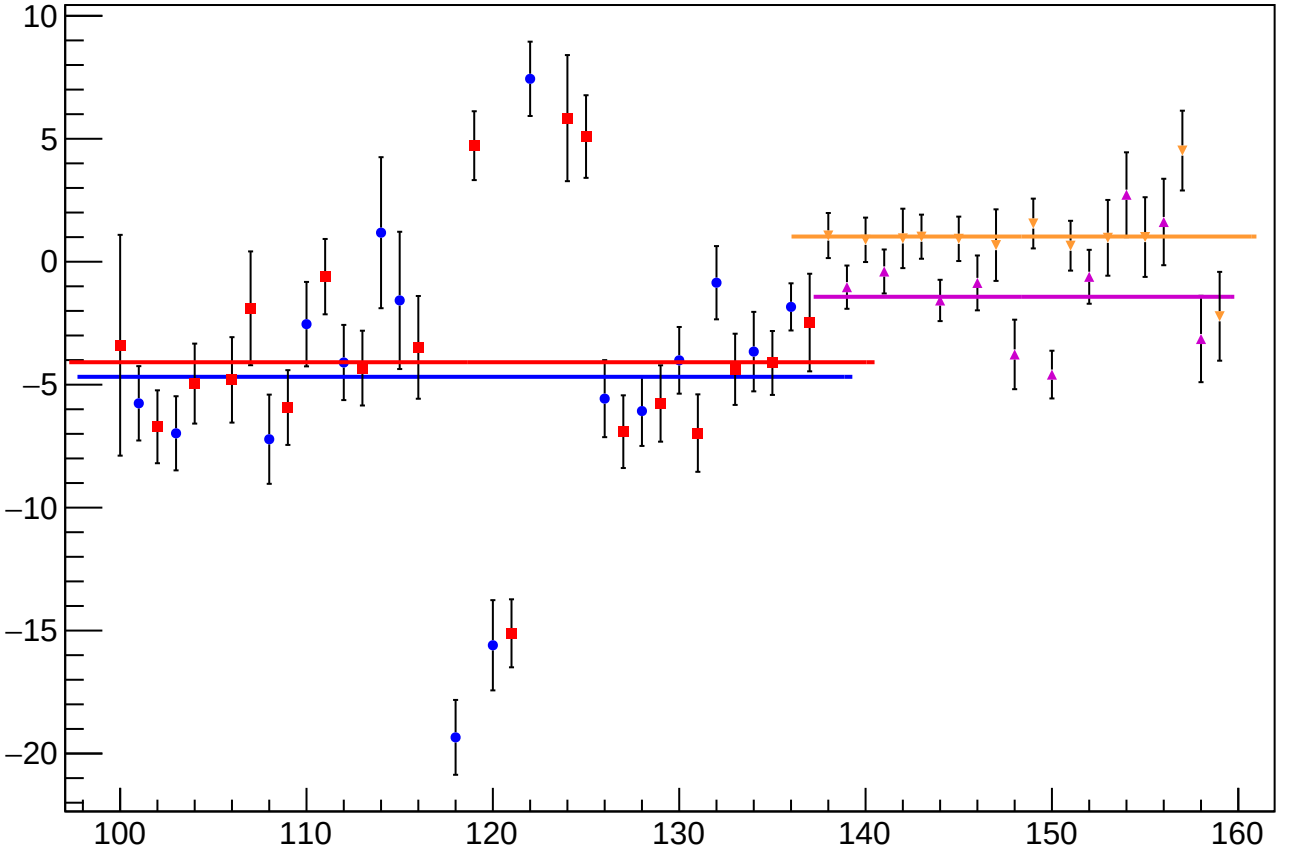
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10016.903+/-1.793 χ^2/NDF:440450.9/25

Out: 9806.727+/-1.697 χ^2/NDF:518519.4/30

All: 9906.047+/-1.233 χ^2/NDF: 966217.0/56

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.024+/-0.325 χ^2/NDF:8.4/11

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.426+/-0.350 χ^2/NDF:25.5/9

Left: -0.108+/-0.238 χ^2/NDF: 60.2/21

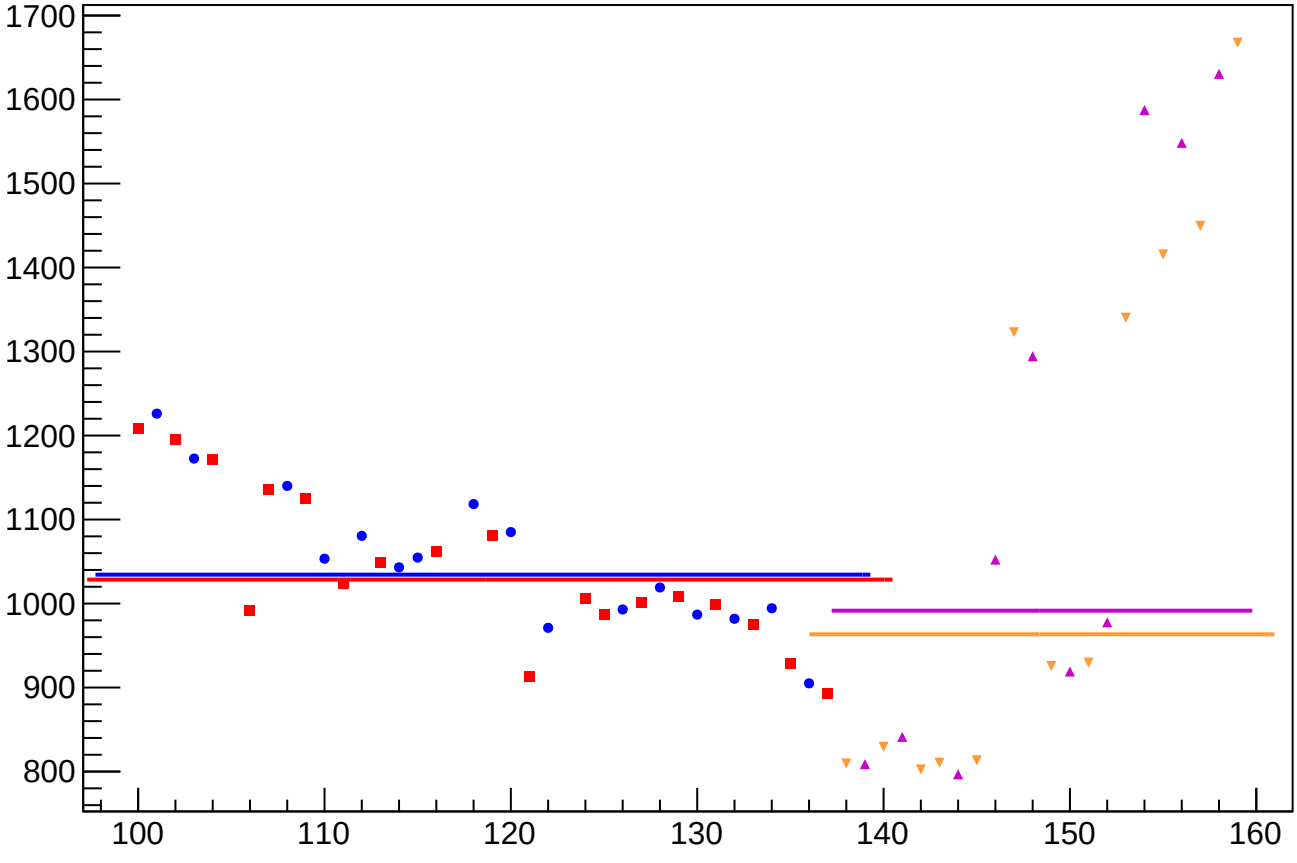
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.897+/-0.259 χ^2/NDF:285.7/25

Out: -1.157+/-0.246 χ^2/NDF:282.1/30

All: -1.981+/-0.178 χ^2/NDF: 591.5/56

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 963.403+/-0.230 χ^2/NDF:1135299.5/11

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 991.518+/-0.248 χ^2/NDF:1064406.6/9

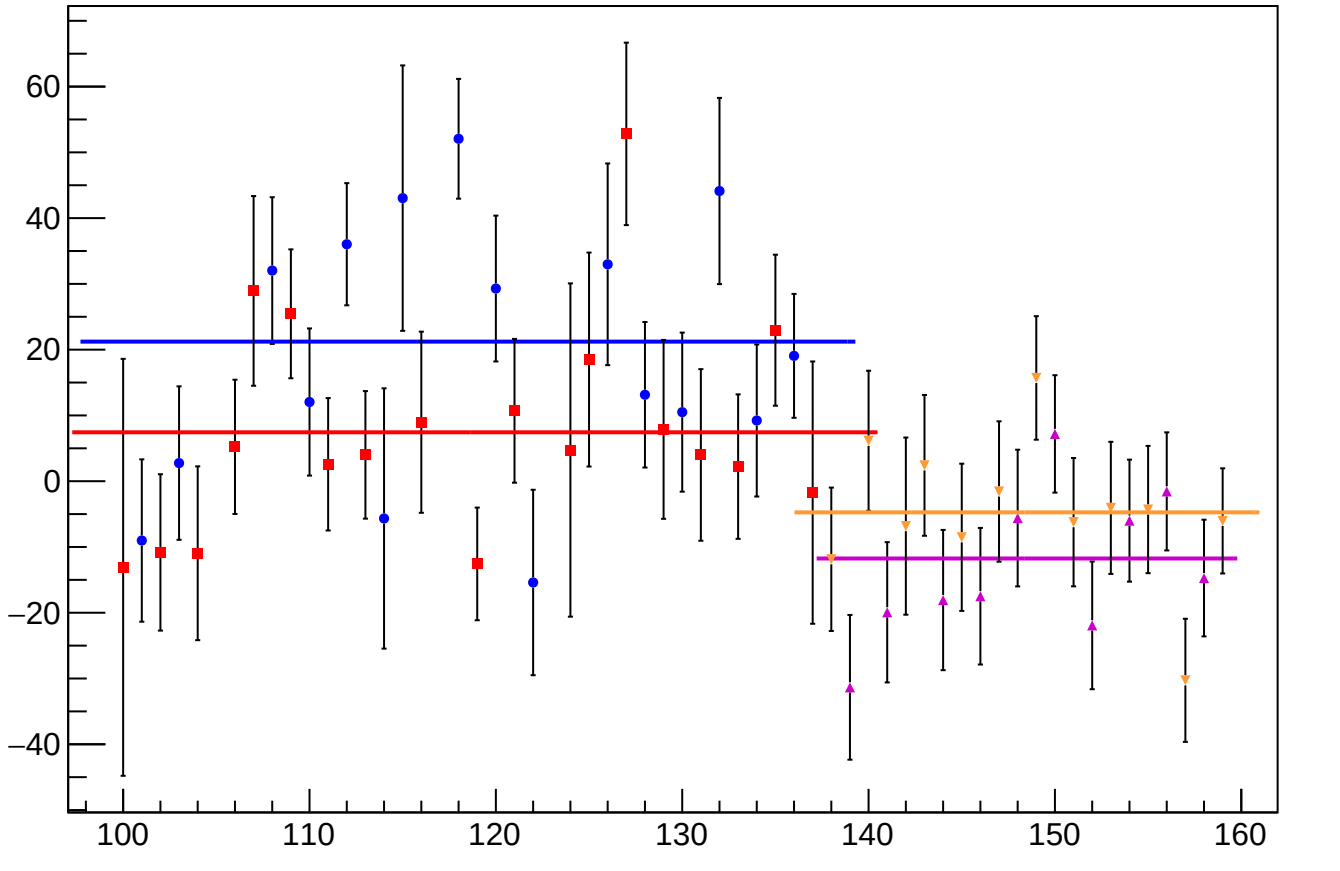
Left: 976.394+/-0.168 χ^2/NDF: 2206631.8/21

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1010.904+/-0.183 χ^2/NDF:1191227.3/25

Out: 991.186+/-0.174 χ^2/NDF:1271217.8/30

All: 1000.519+/-0.126 χ^2/NDF: 2468532.7/56



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -4.739+/-2.914 χ^2/NDF:14.4/11

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -11.751+/-3.096 χ^2/NDF:12.2/9

Left: -8.033+/-2.122 χ^2/NDF: 29.3/21

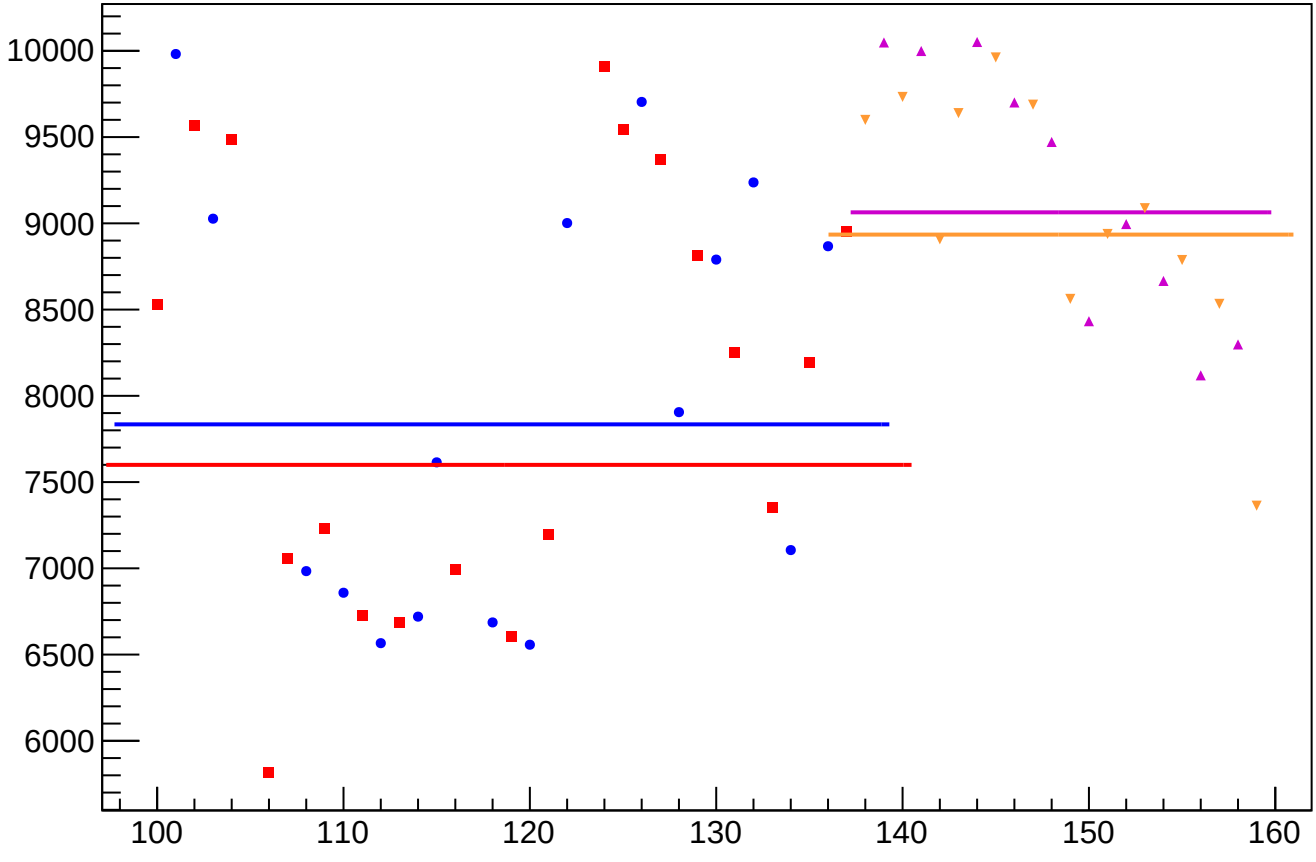
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 5.524+/-2.137 χ^2/NDF:111.6/25

Out: 1.569+/-2.023 χ^2/NDF:53.2/30

All: 3.439+/-1.469 χ^2/NDF: 166.7/56

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8934.776+/-2.061 χ^2/NDF:139228.9/11

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9063.778+/-2.190 χ^2/NDF:110026.8/9

Left: 8995.371+/-1.501 χ^2/NDF: 251096.5/21

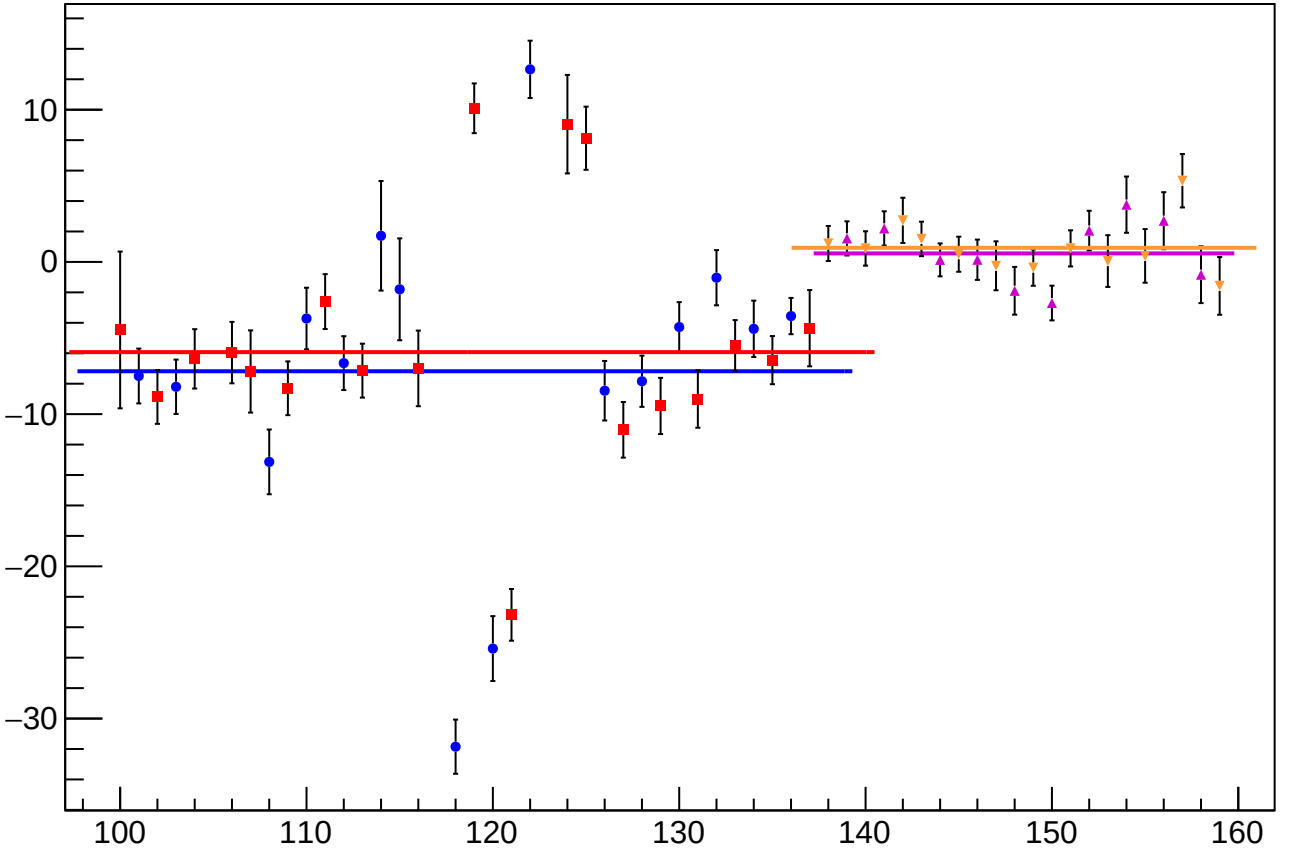
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8419.818+/-1.511 χ^2/NDF:593225.1/25

Out: 8243.020+/-1.430 χ^2/NDF:701000.2/30

All: 8326.594+/-1.039 χ^2/NDF: 1301446.4/56

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.928+/-0.390 χ^2/NDF:12.1/11

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.559+/-0.421 χ^2/NDF:20.0/9

Left: 0.758+/-0.286 χ^2/NDF: 32.4/21

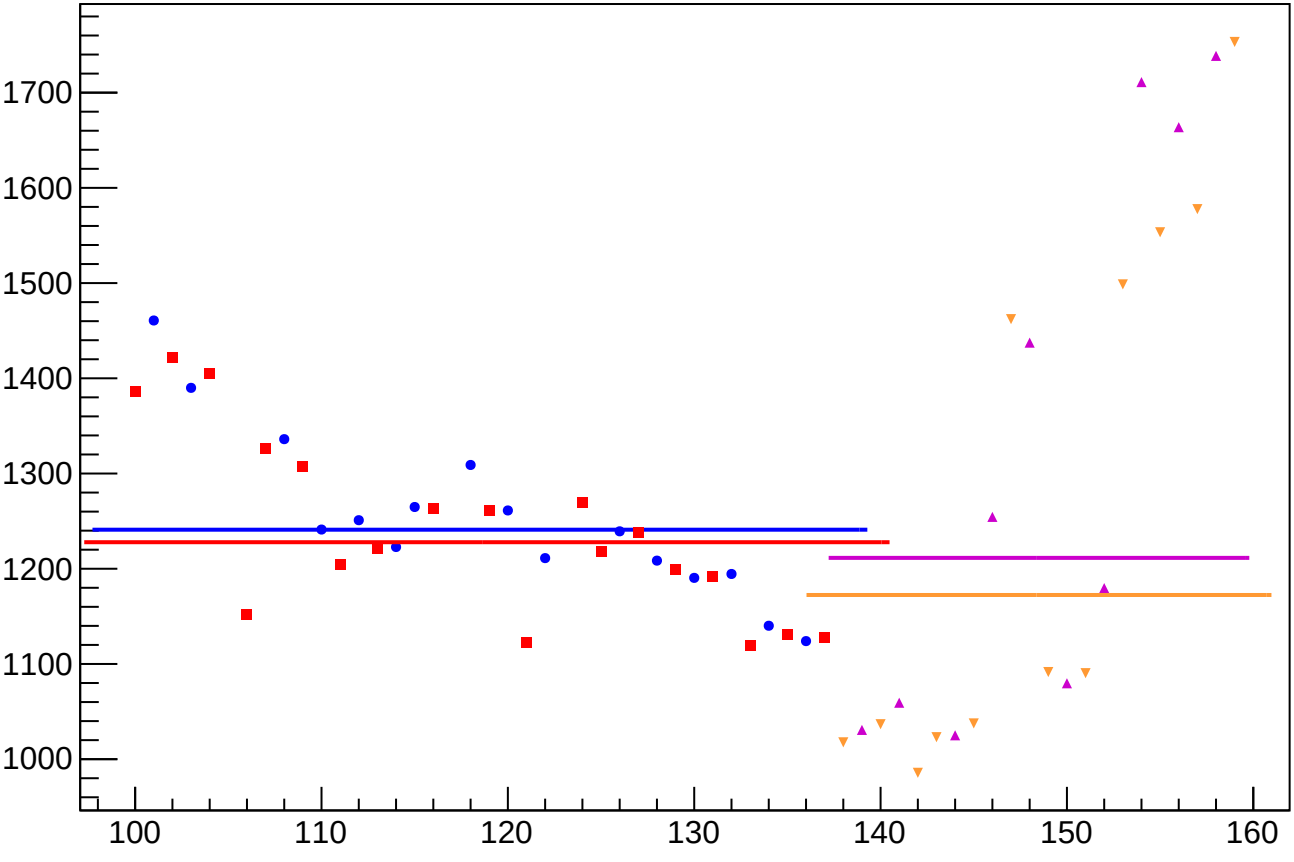
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.952+/-0.311 χ^2/NDF:595.4/25

Out: -2.015+/-0.294 χ^2/NDF:435.4/30

All: -2.457+/-0.214 χ^2/NDF: 1035.6/56

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1172.444+/-0.275 χ^2/NDF:703579.8/11

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1211.420+/-0.298 χ^2/NDF:641455.2/9

Left: 1190.412+/-0.202 χ^2/NDF: 1354265.0/21

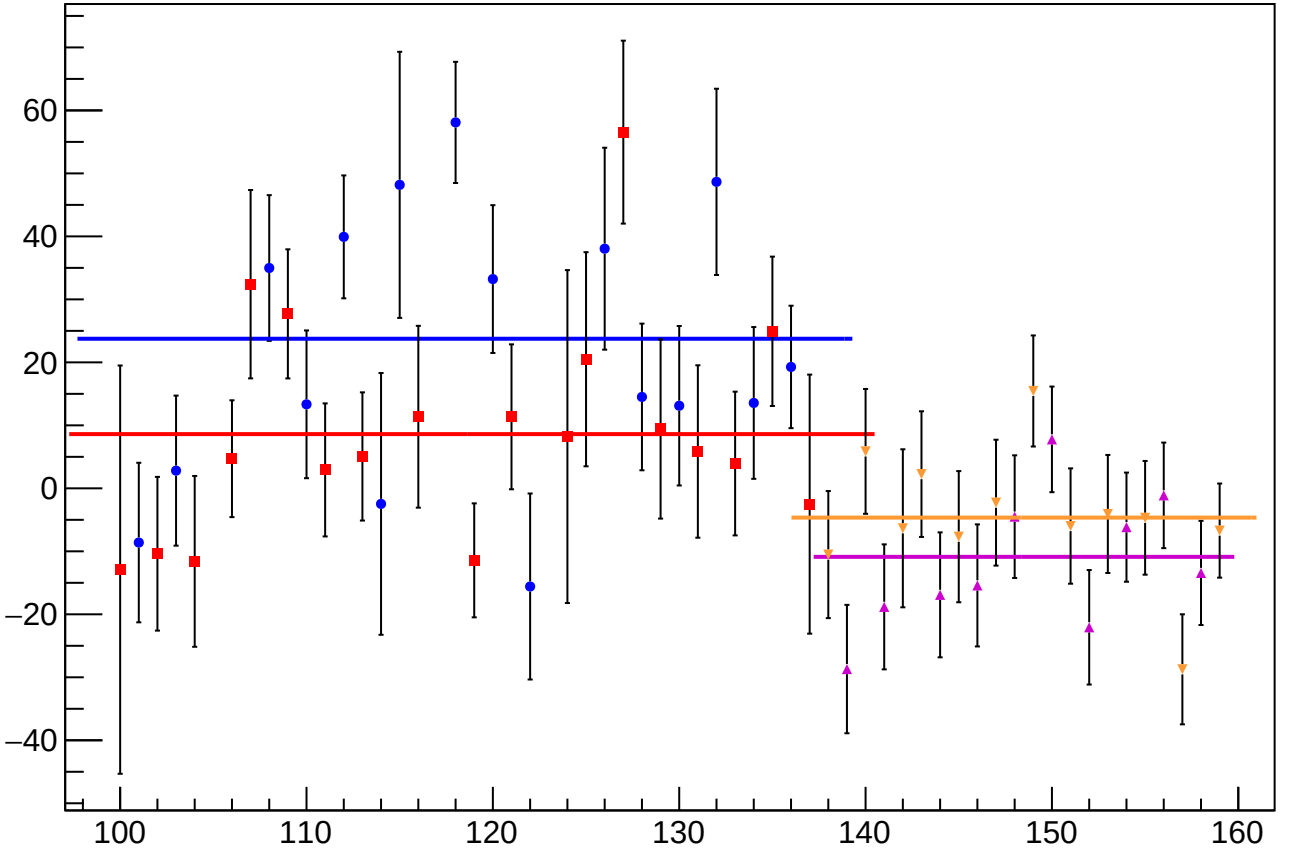
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1224.839+/-0.220 χ^2/NDF:726584.5/25

Out: 1196.235+/-0.208 χ^2/NDF:803296.2/30

All: 1209.731+/-0.151 χ^2/NDF: 1538796.2/56

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -4.646+/-2.720 χ^2/NDF:15.0/11

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.877+/-2.891 χ^2/NDF:12.9/9

Left: -7.572+/-1.981 χ^2/NDF: 30.4/21

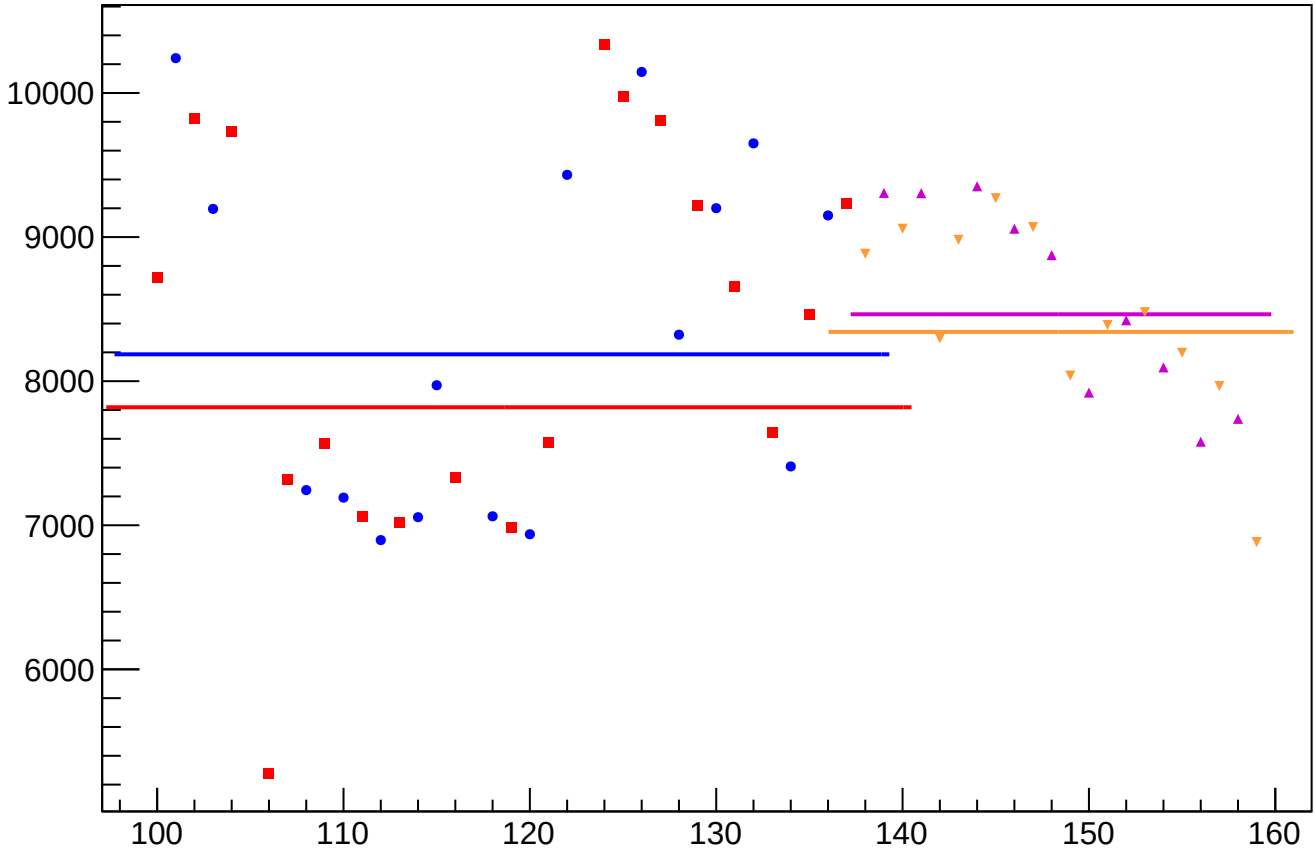
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 5.333+/-2.108 χ^2/NDF:123.5/25

Out: 1.560+/-1.984 χ^2/NDF:56.6/30

All: 3.332+/-1.445 χ^2/NDF: 181.8/56

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8341.785+/-1.924 χ^2/NDF:134253.1/11

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8464.157+/-2.044 χ^2/NDF:104861.5/9

Left: 8399.254+/-1.401 χ^2/NDF: 241015.2/21

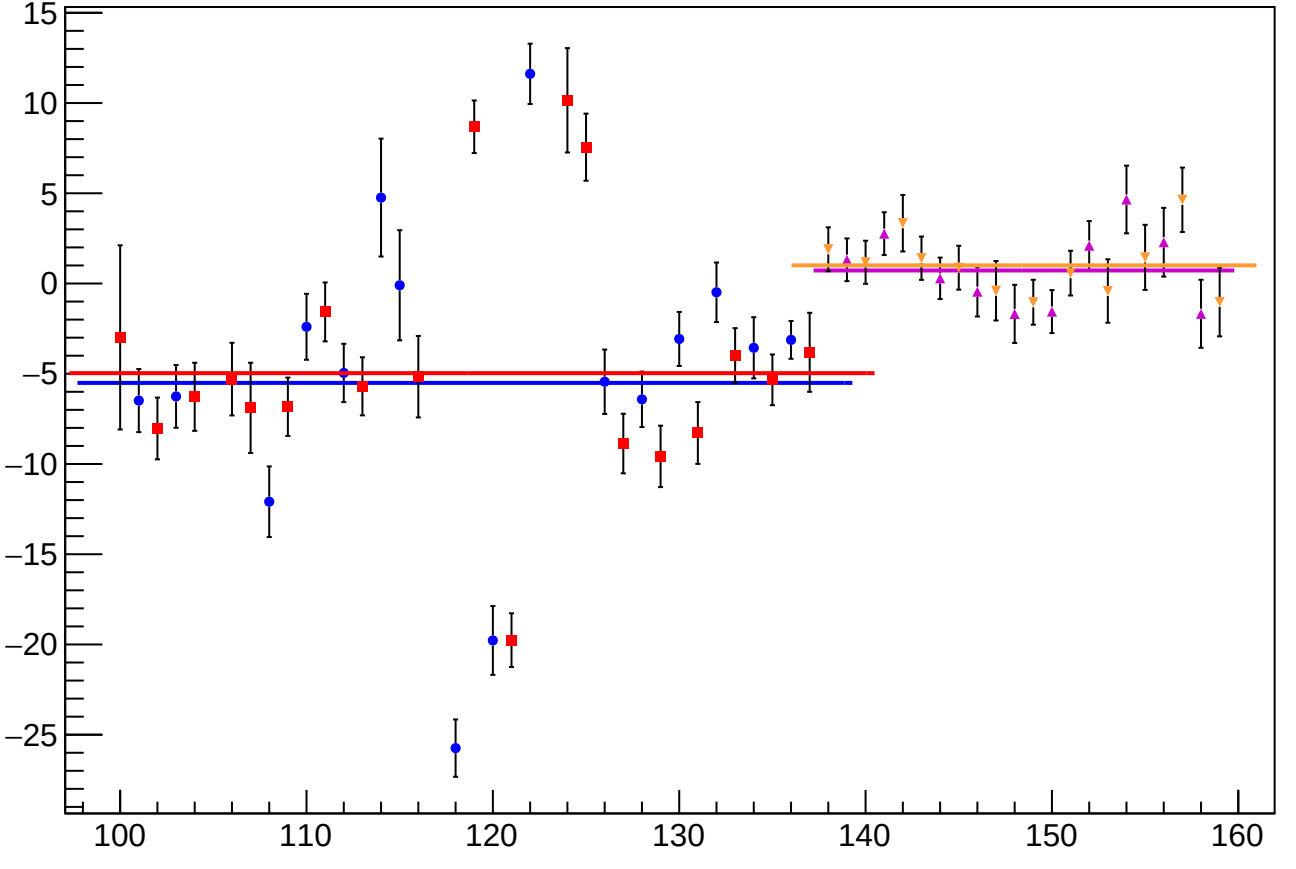
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8334.112+/-1.491 χ^2/NDF:404135.8/25

Out: 8096.985+/-1.403 χ^2/NDF:591841.9/30

All: 8208.336+/-1.022 χ^2/NDF: 1009397.5/56

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.007+/-0.407 χ^2/NDF:12.4/11

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.723+/-0.439 χ^2/NDF:17.7/9

Left: 0.876+/-0.298 χ^2/NDF: 30.3/21

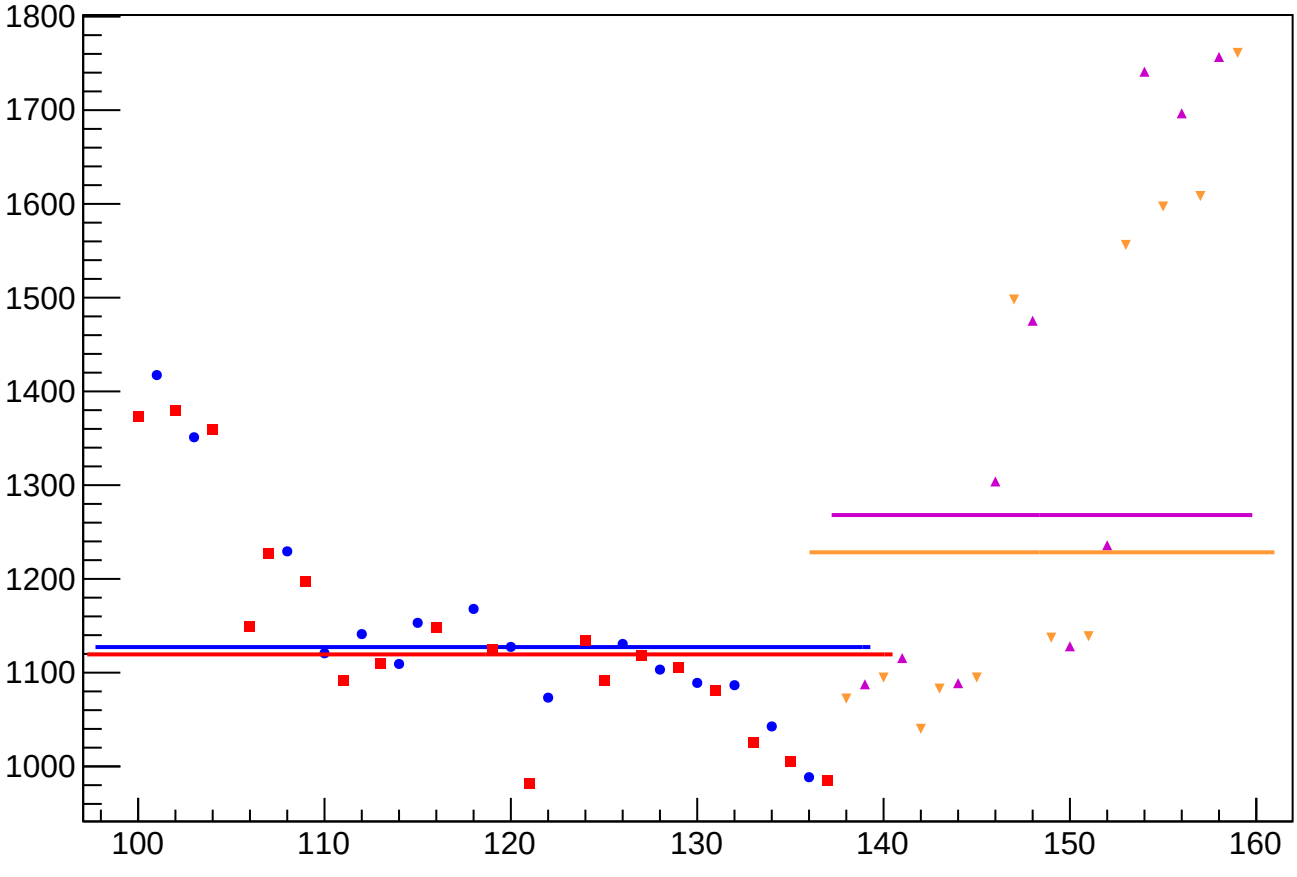
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.525+/-0.304 χ^2/NDF:492.3/25

Out: -1.954+/-0.289 χ^2/NDF:406.7/30

All: -2.225+/-0.209 χ^2/NDF: 900.8/56

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1228.374+/-0.288 χ^2/NDF:615536.7/11

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1268.116+/-0.311 χ^2/NDF:554494.2/9

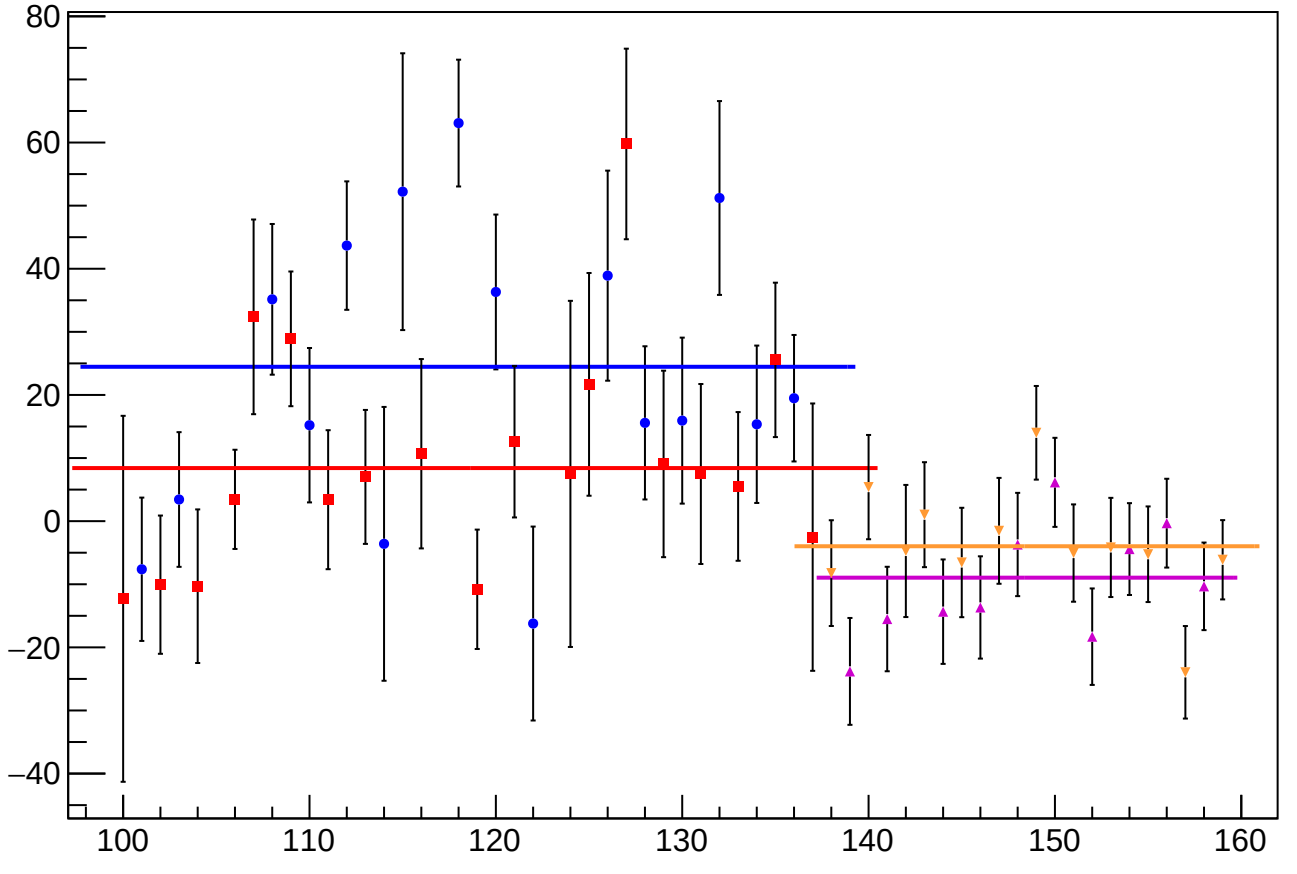
Left: 1246.717+/-0.211 χ^2/NDF: 1178845.3/21

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1194.691+/-0.215 χ^2/NDF:802280.7/25

Out: 1174.408+/-0.204 χ^2/NDF:827333.1/30

All: 1184.035+/-0.148 χ^2/NDF: 1634293.9/56



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -3.977+/-2.279 χ^2/NDF:15.5/11

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.956+/-2.423 χ^2/NDF:12.9/9

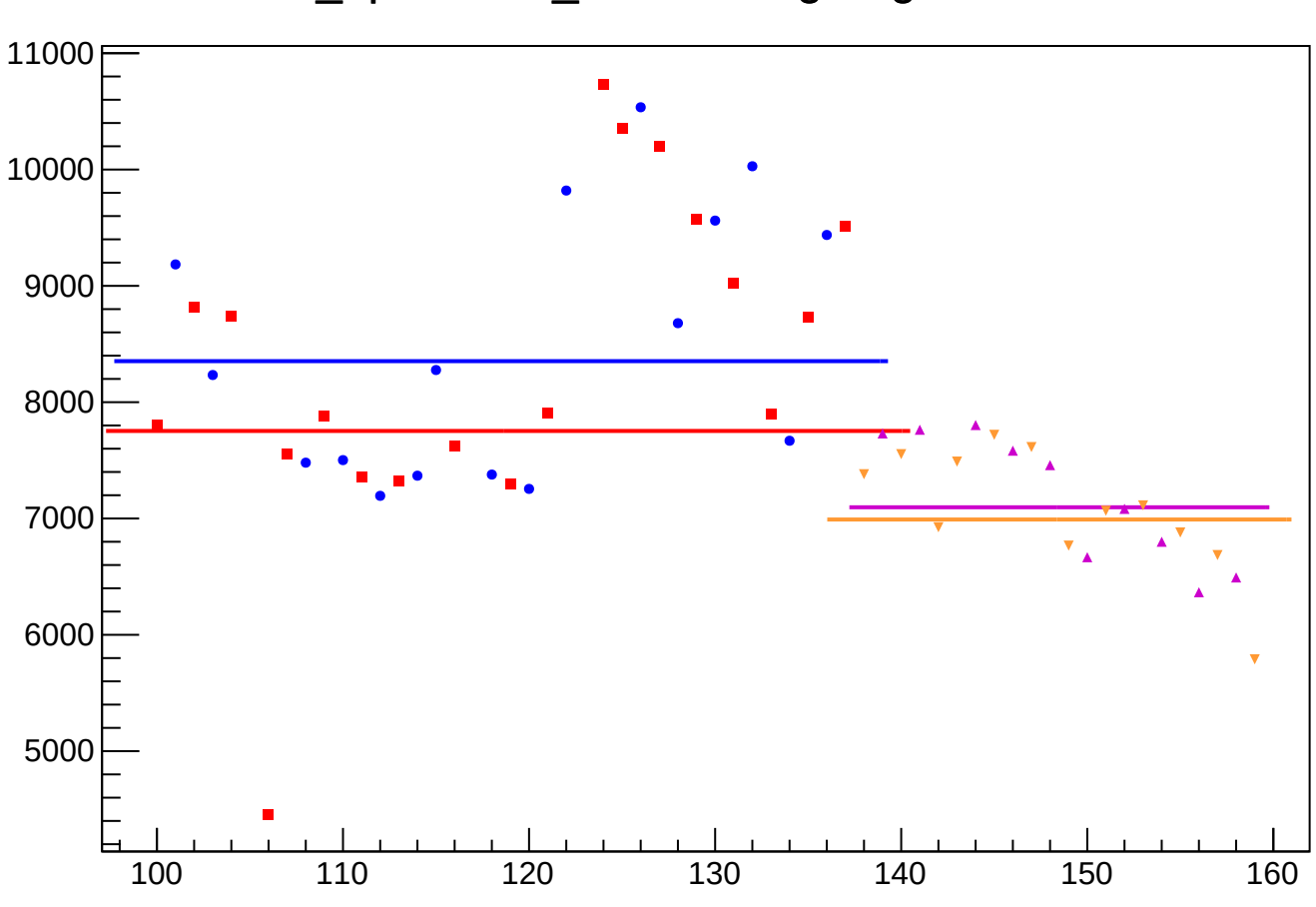
Left: -6.314+/-1.660 χ^2/NDF: 30.7/21

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 3.536+/-1.917 χ^2/NDF:132.3/25

Out: 0.772+/-1.790 χ^2/NDF:58.0/30

All: 2.059+/-1.308 χ^2/NDF: 191.4/56



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6991.235+/-1.612 χ^2/NDF:125559.8/11

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7096.495+/-1.713 χ^2/NDF:97322.9/9

Left: 7040.650+/-1.174 χ^2/NDF: 224885.2/21

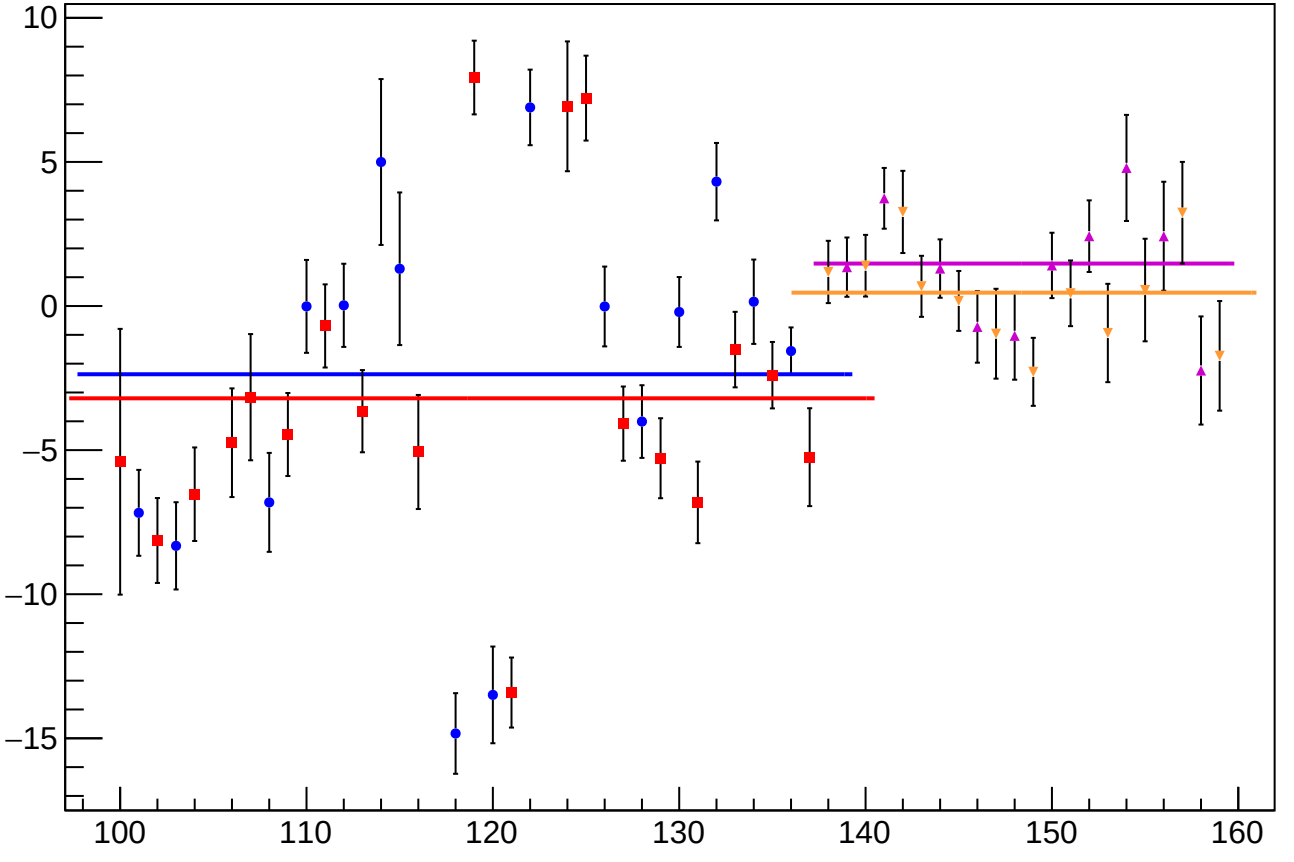
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7566.066+/-1.356 χ^2/NDF:518701.8/25

Out: 7283.103+/-1.266 χ^2/NDF:799194.9/30

All: 7414.862+/-0.925 χ^2/NDF: 1341172.8/56

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.463+/-0.373 χ^2/NDF:15.9/11

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.474+/-0.402 χ^2/NDF:18.5/9

Left: 0.930+/-0.273 χ^2/NDF: 37.8/21

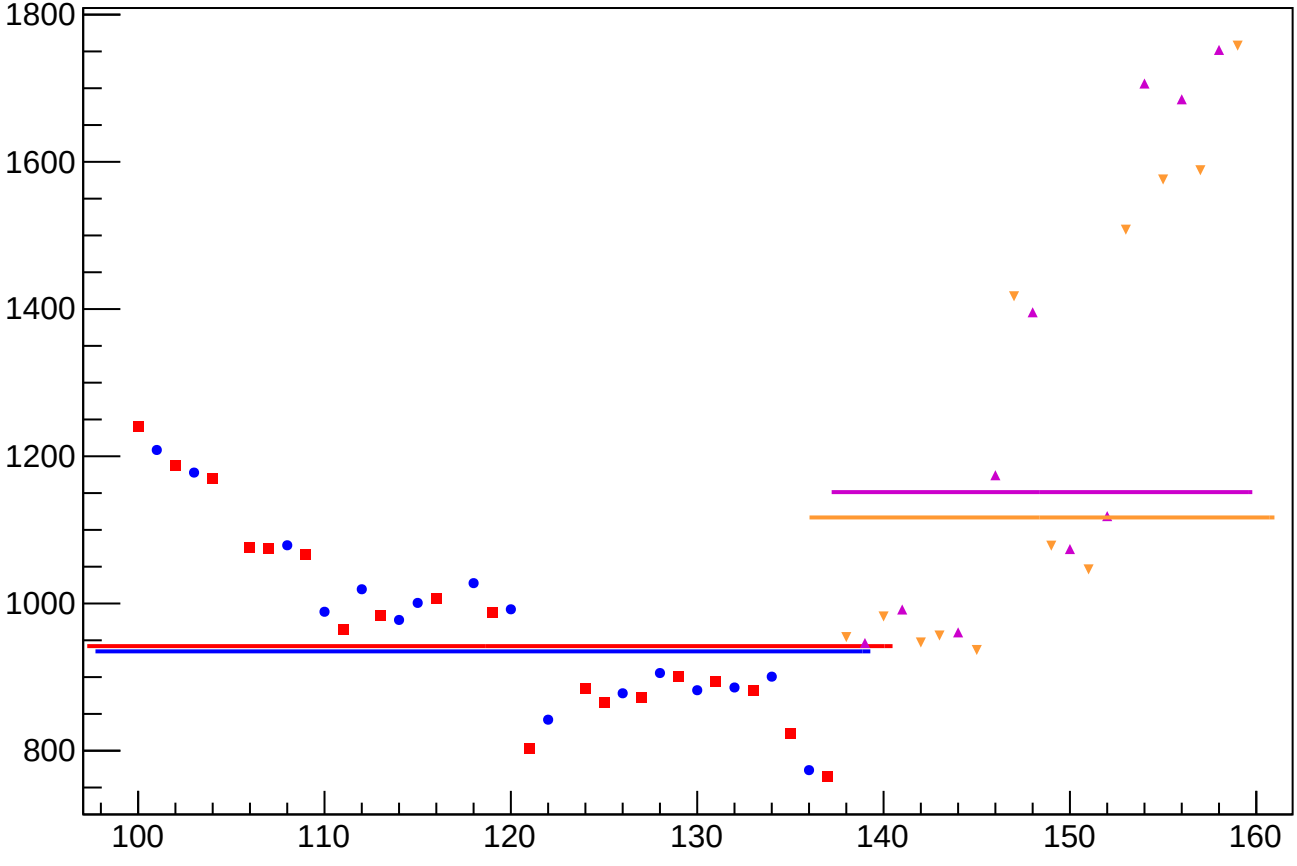
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.710+/-0.264 χ^2/NDF:325.9/25

Out: -1.504+/-0.254 χ^2/NDF:318.3/30

All: -1.123+/-0.183 χ^2/NDF: 649.0/56

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1116.896+/-0.264 χ^2/NDF:903562.2/11

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1151.312+/-0.284 χ^2/NDF:804824.5/9

Left: 1132.800+/-0.193 χ^2/NDF: 1716264.1/21

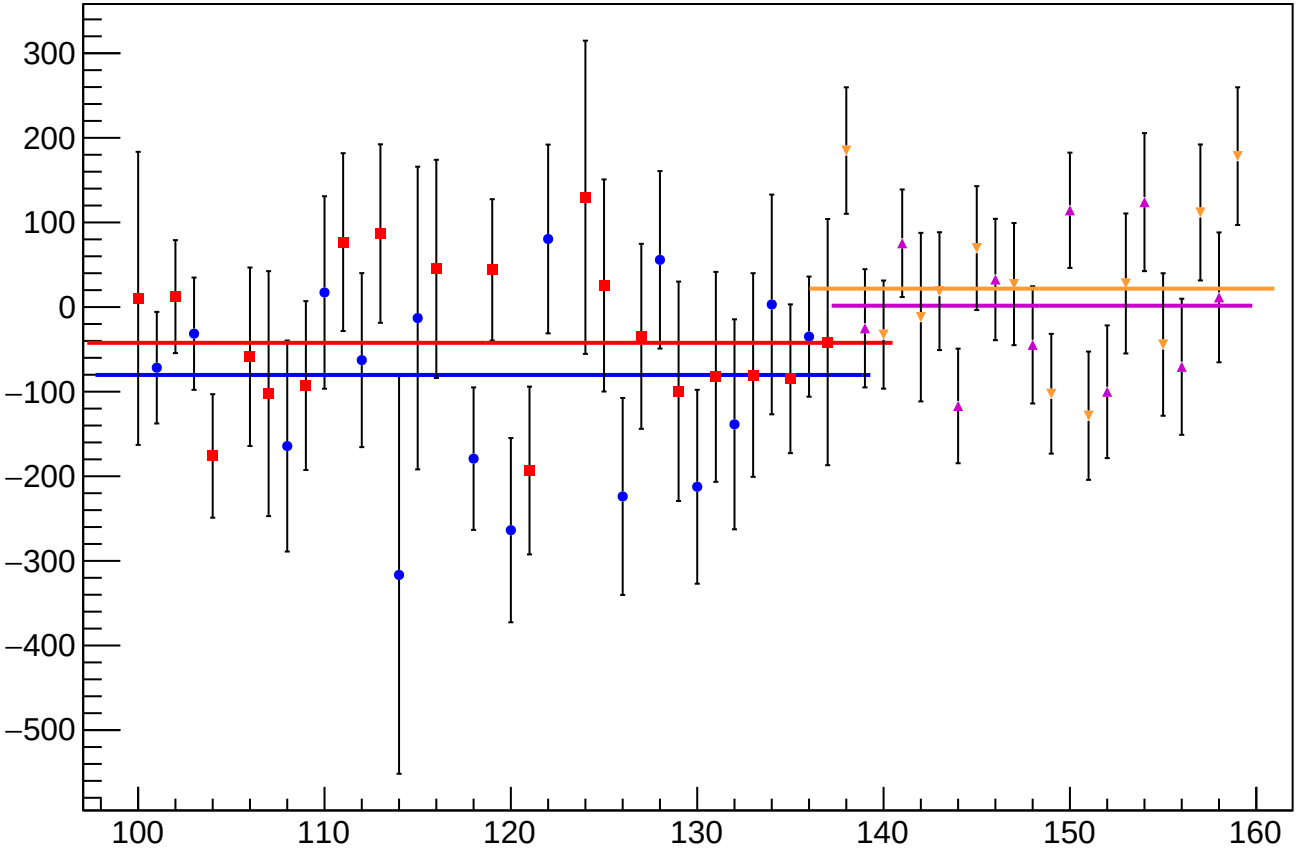
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1028.340+/-0.187 χ^2/NDF:1388108.5/25

Out: 1023.083+/-0.179 χ^2/NDF:1372017.6/30

All: 1025.605+/-0.129 χ^2/NDF: 2760537.8/56

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 21.808+/-21.950 χ^2/NDF:18.6/11

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 1.610+/-22.789 χ^2/NDF:12.7/9

Left: 12.087+/-15.809 χ^2/NDF: 31.7/21

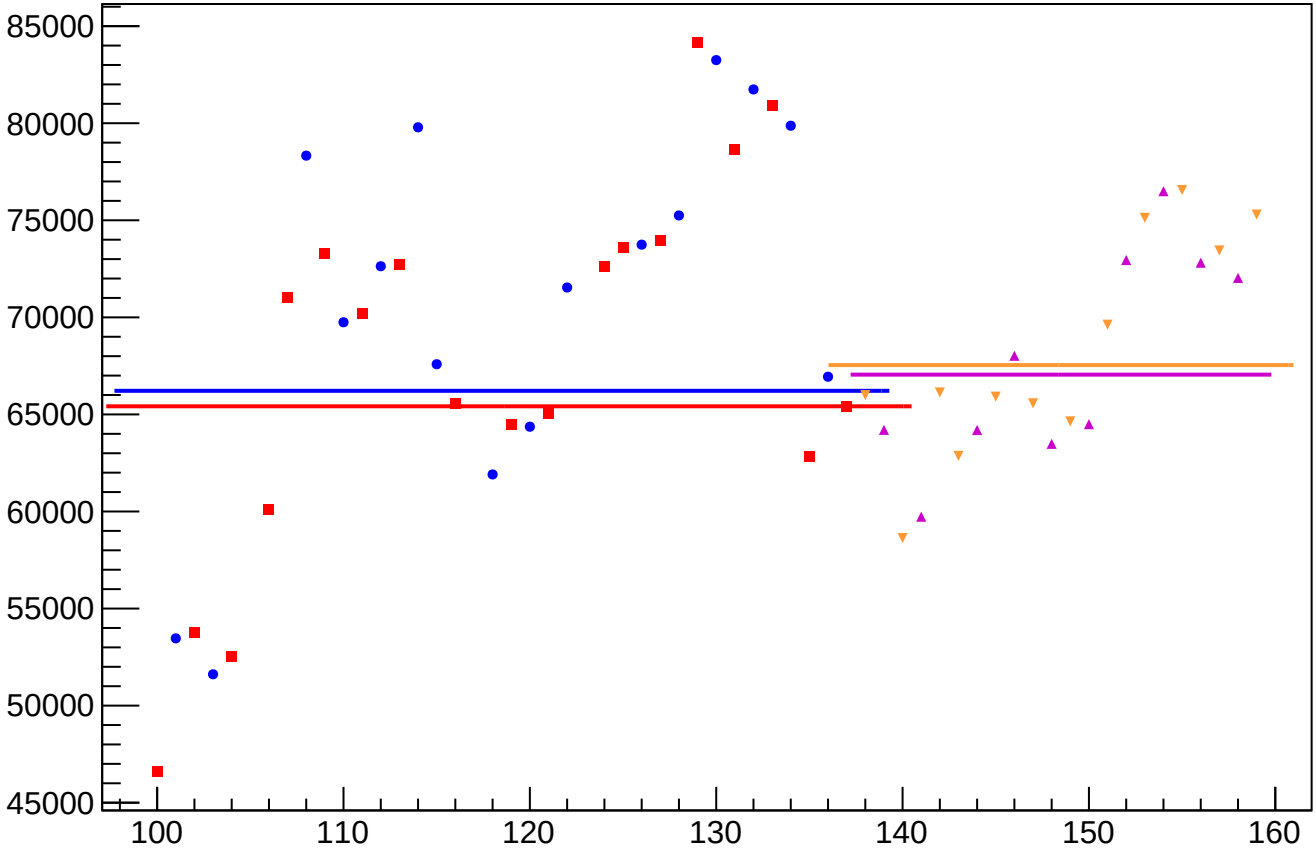
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -35.689+/-16.814 χ^2/NDF:33.4/25

Out: -7.185+/-16.242 χ^2/NDF:35.5/30

All: -20.943+/-11.682 χ^2/NDF: 70.3/56

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 67541.377+/-15.521 χ^2/NDF:125158.7/11

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 67049.422+/-16.114 χ^2/NDF:98679.0/9

Left: 67304.620+/-11.179 χ^2/NDF: 224321.2/21

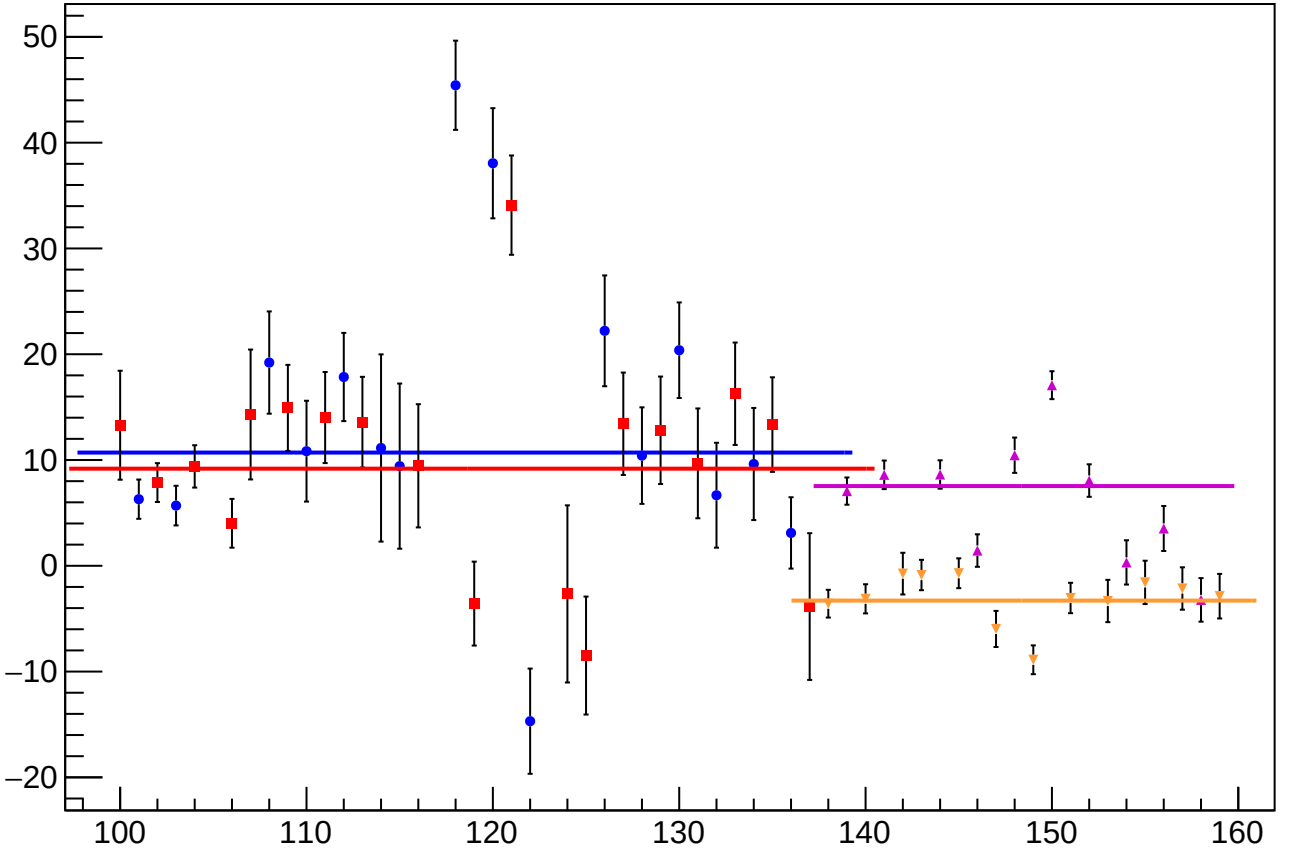
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 66669.734+/-11.889 χ^2/NDF:438275.1/25

Out: 66580.785+/-11.485 χ^2/NDF:438179.4/30

All: 66623.720+/-8.260 χ^2/NDF: 876483.4/56

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.289+/-0.462 χ^2/NDF:28.4/11

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 7.537+/-0.489 χ^2/NDF:115.4/9

Left: 1.813+/-0.336 χ^2/NDF: 402.4/21

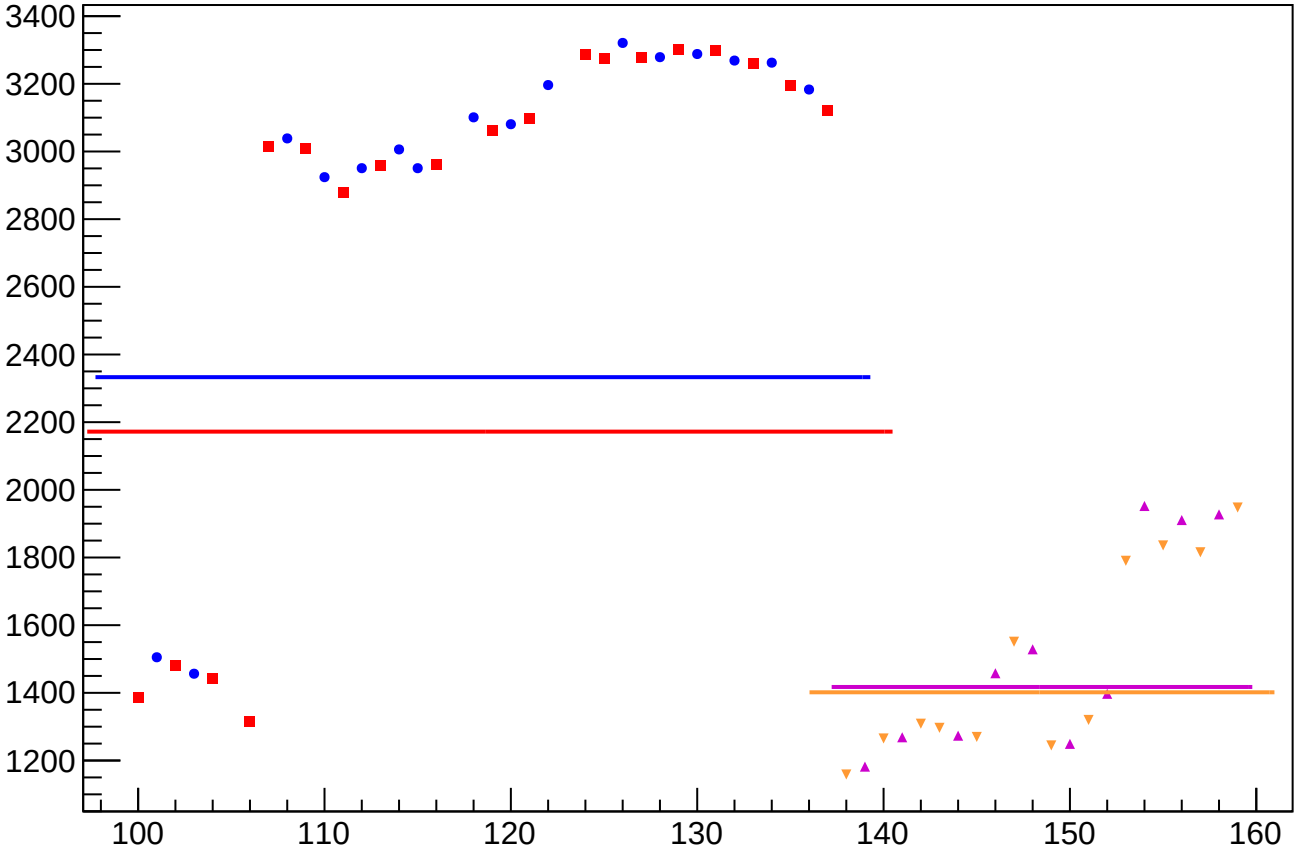
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.235+/-0.432 χ^2/NDF:280.1/25

Out: -0.444+/-0.406 χ^2/NDF:264.1/30

All: 3.625+/-0.296 χ^2/NDF: 758.4/56

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1401.627+/-0.327 χ^2/NDF:554404.9/11

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1417.354+/-0.346 χ^2/NDF:518295.7/9

Left: 1409.039+/-0.238 χ^2/NDF: 1073792.2/21

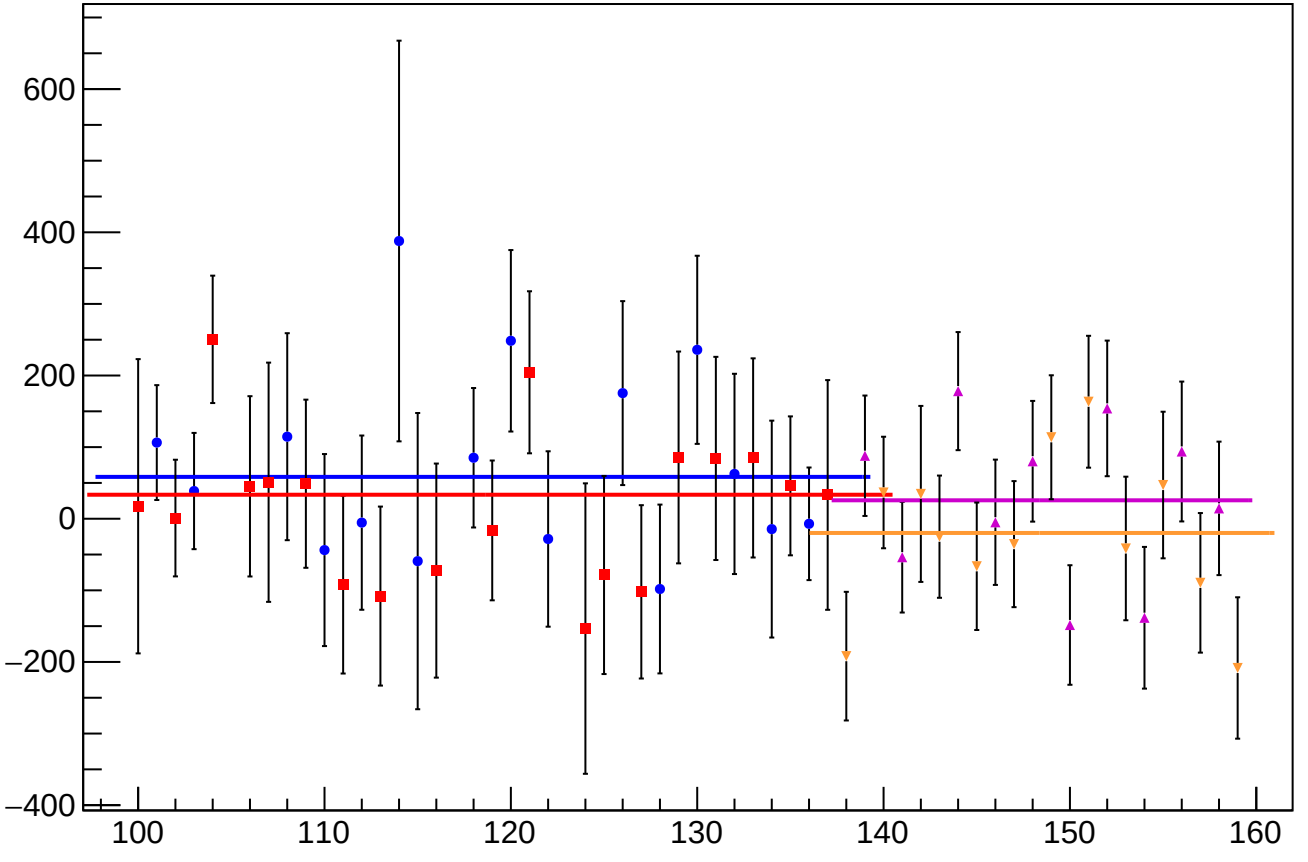
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1619.185+/-0.306 χ^2/NDF:3712367.5/25

Out: 1577.355+/-0.287 χ^2/NDF:3806450.5/30

All: 1596.965+/-0.209 χ^2/NDF: 7528770.1/56

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -19.866+/-26.708 χ^2/NDF:15.7/11

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 25.740+/-27.687 χ^2/NDF:15.0/9

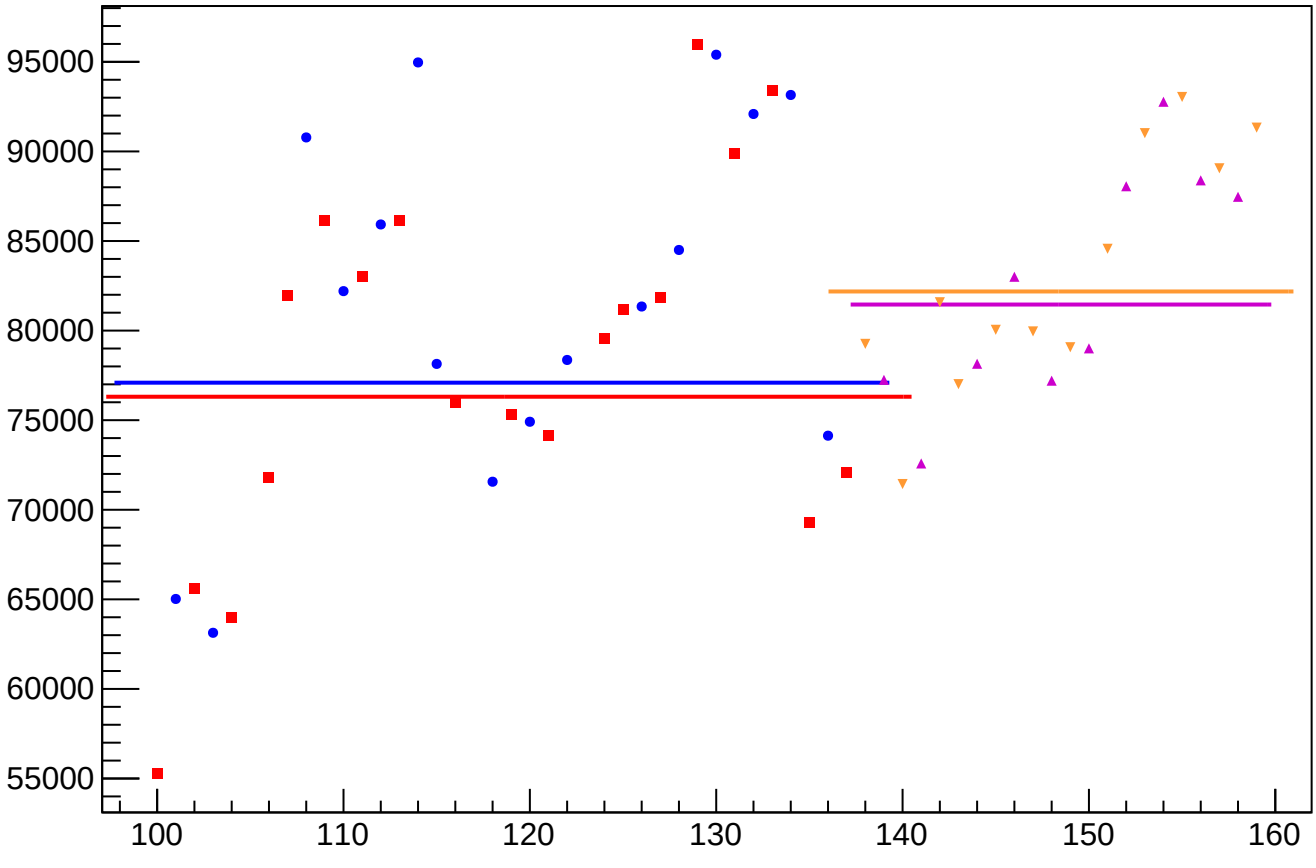
Left: 2.117+/-19.222 χ^2/NDF: 32.1/21

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

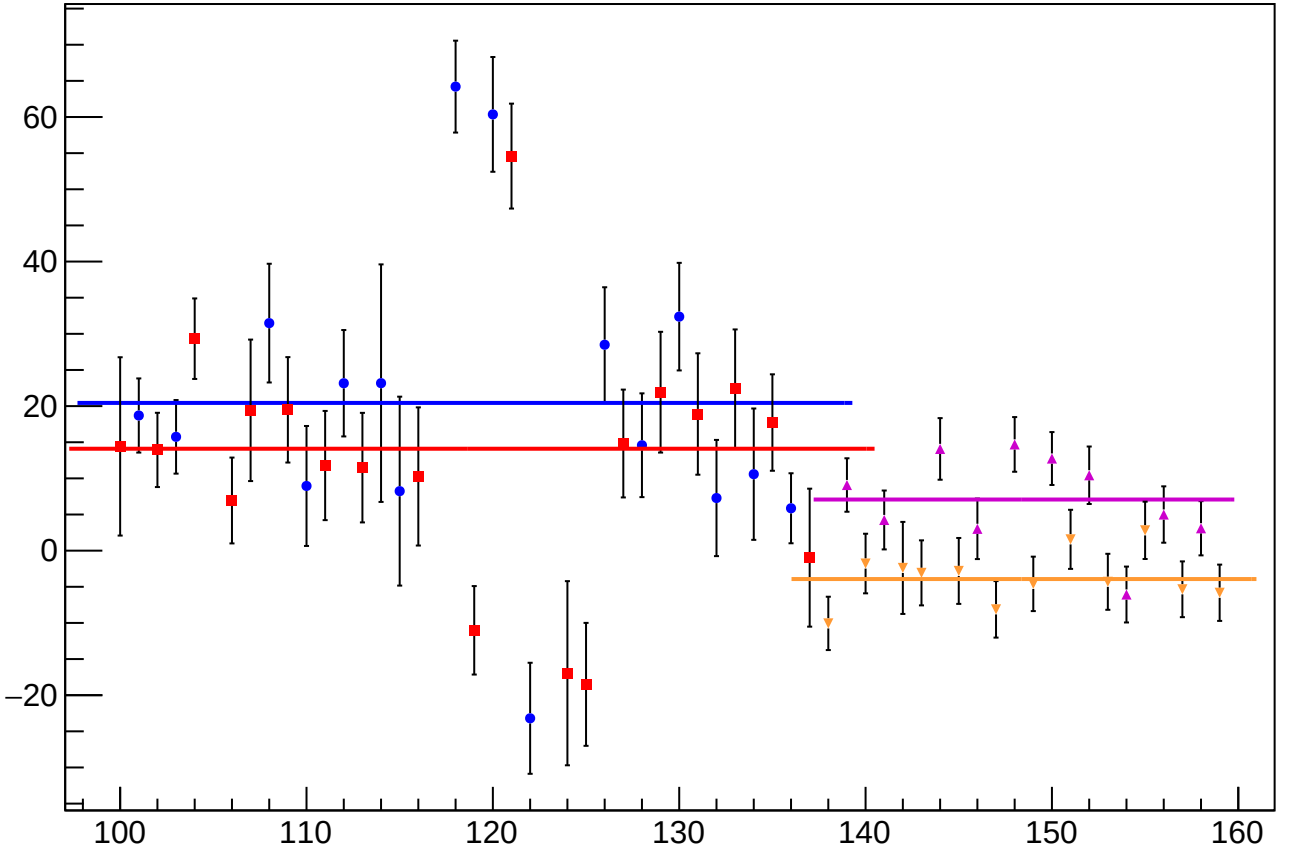
In: 41.382+/-19.998 χ^2/NDF:27.0/25

Out: 5.467+/-19.361 χ^2/NDF:32.2/30

All: 22.843+/-13.910 χ^2/NDF: 60.9/56


diff_bpm0r05X_rms vs Slug, Sign Corrected
95000
90000
85000
80000
75000
70000
65000
60000
55000
100
110
120
130
140
150
160
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 82183.927+/-18.886 χ²/NDF:119108.1/11
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 81454.334+/-19.577 χ²/NDF:96280.5/9
Left: 81832.250+/-13.592 χ²/NDF: 216108.0/21
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 79368.521+/-14.141 χ²/NDF:368557.2/25
Out: 79395.996+/-13.690 χ²/NDF:399466.0/30
All: 79382.703+/-9.836 χ²/NDF: 768025.1/56

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.928+/-1.184 χ^2/NDF:9.5/11

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 7.075+/-1.234 χ^2/NDF:24.6/9

Left: 1.346+/-0.854 χ^2/NDF: 75.4/21

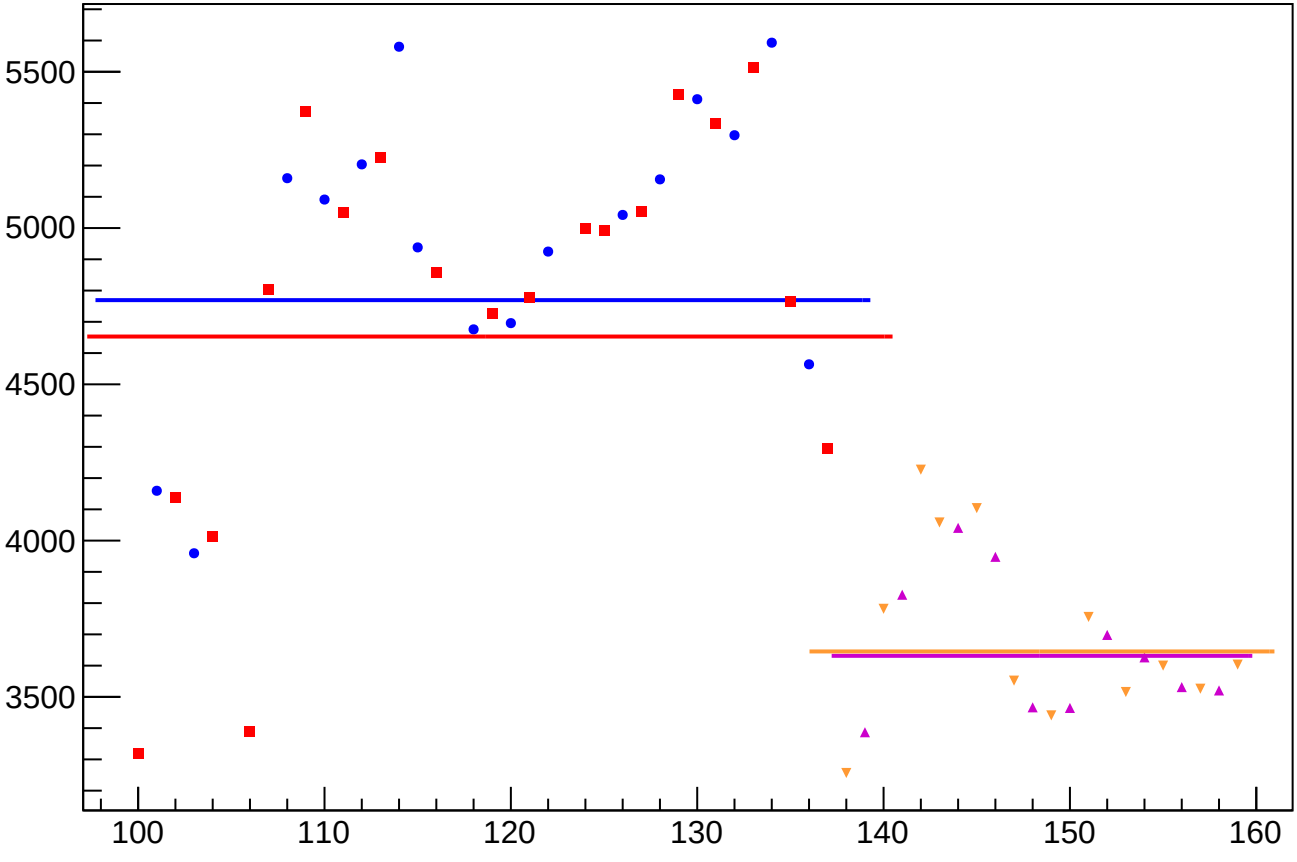
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 11.406+/-1.014 χ^2/NDF:190.4/25

Out: 1.897+/-0.974 χ^2/NDF:168.2/30

All: 6.458+/-0.703 χ^2/NDF: 404.3/56

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3645.385+/-0.837 χ^2/NDF:91274.6/11

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3631.405+/-0.872 χ^2/NDF:54823.4/9

Left: 3638.684+/-0.604 χ^2/NDF: 146231.7/21

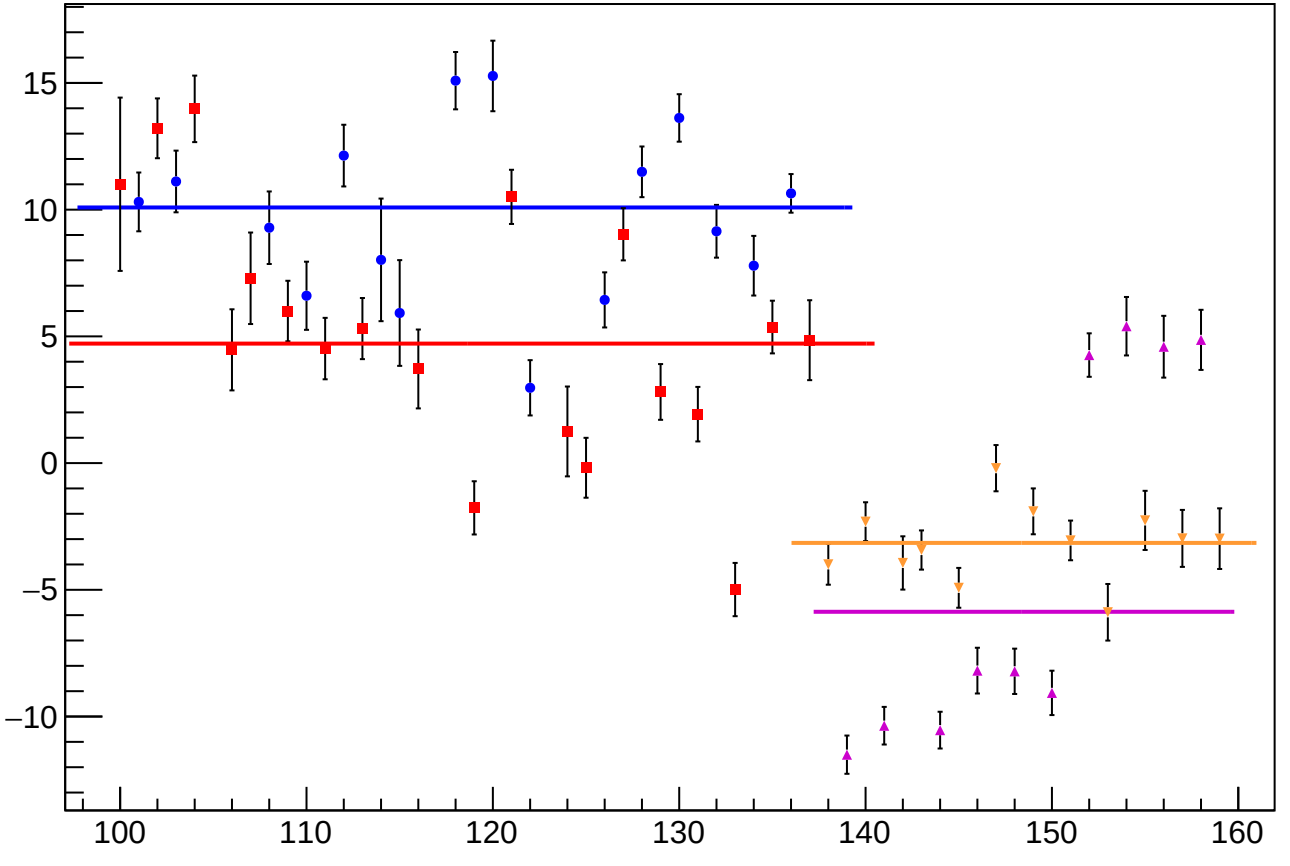
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4000.153+/-0.717 χ^2/NDF:757837.3/25

Out: 3970.893+/-0.689 χ^2/NDF:824437.0/30

All: 3984.929+/-0.497 χ^2/NDF: 1583140.1/56

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.149+/-0.262 χ^2/NDF:27.1/11

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -5.867+/-0.280 χ^2/NDF:551.1/9

Left: -4.420+/-0.191 χ^2/NDF: 628.4/21

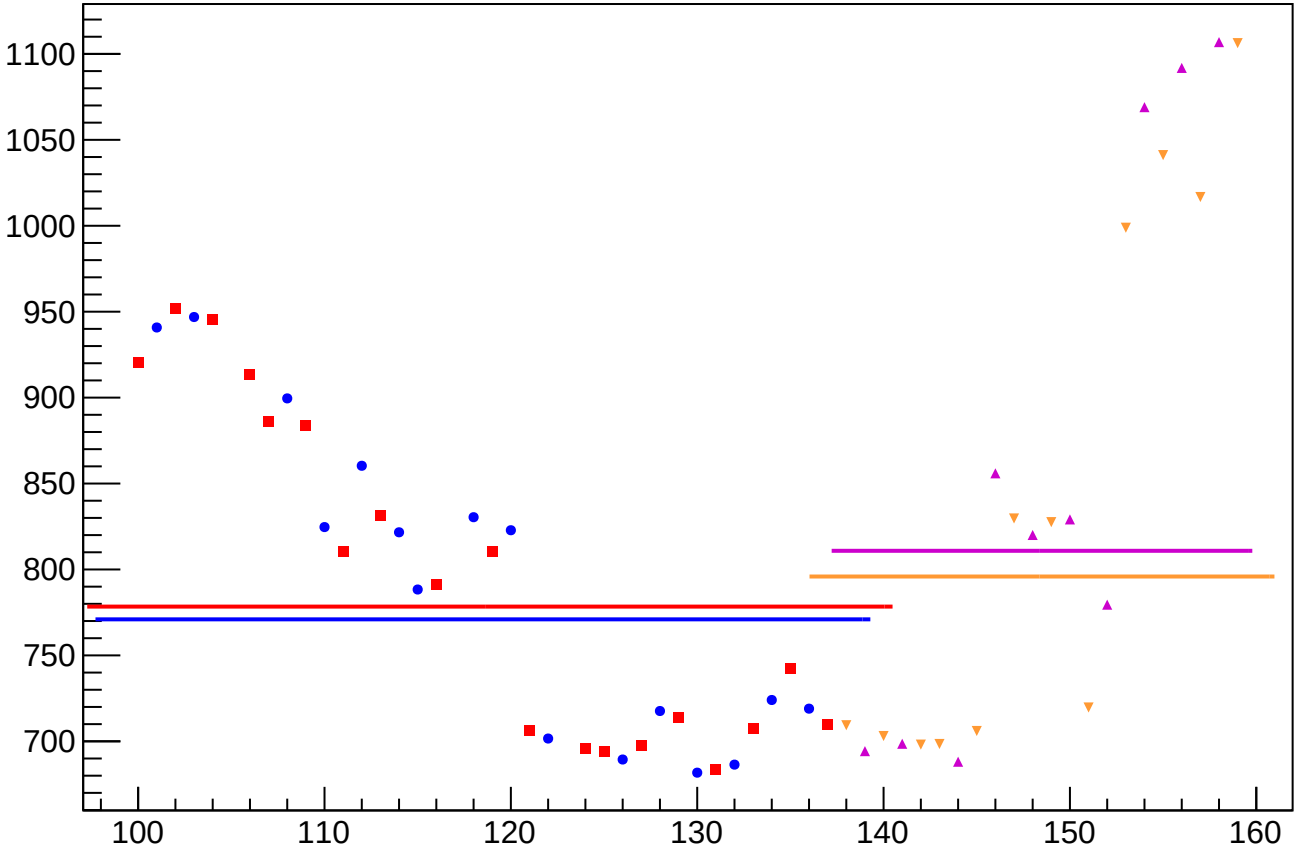
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.876+/-0.201 χ^2/NDF:2250.1/25

Out: 0.448+/-0.193 χ^2/NDF:748.3/30

All: 1.134+/-0.139 χ^2/NDF: 3024.6/56

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 795.899+/-0.186 χ^2/NDF:518062.3/11

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 810.859+/-0.198 χ^2/NDF:490517.1/9

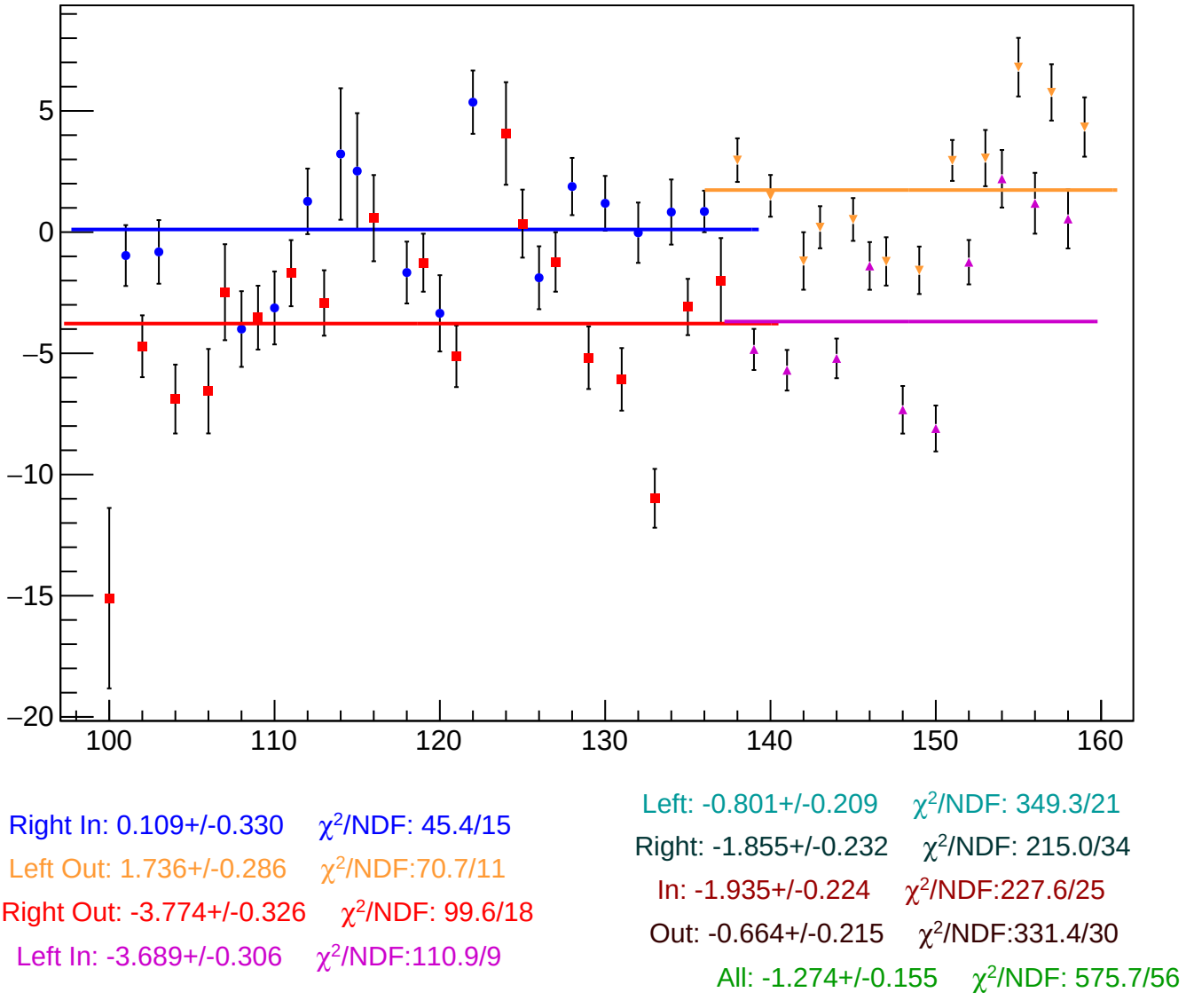
Left: 802.891+/-0.135 χ^2/NDF: 1011618.8/21

Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

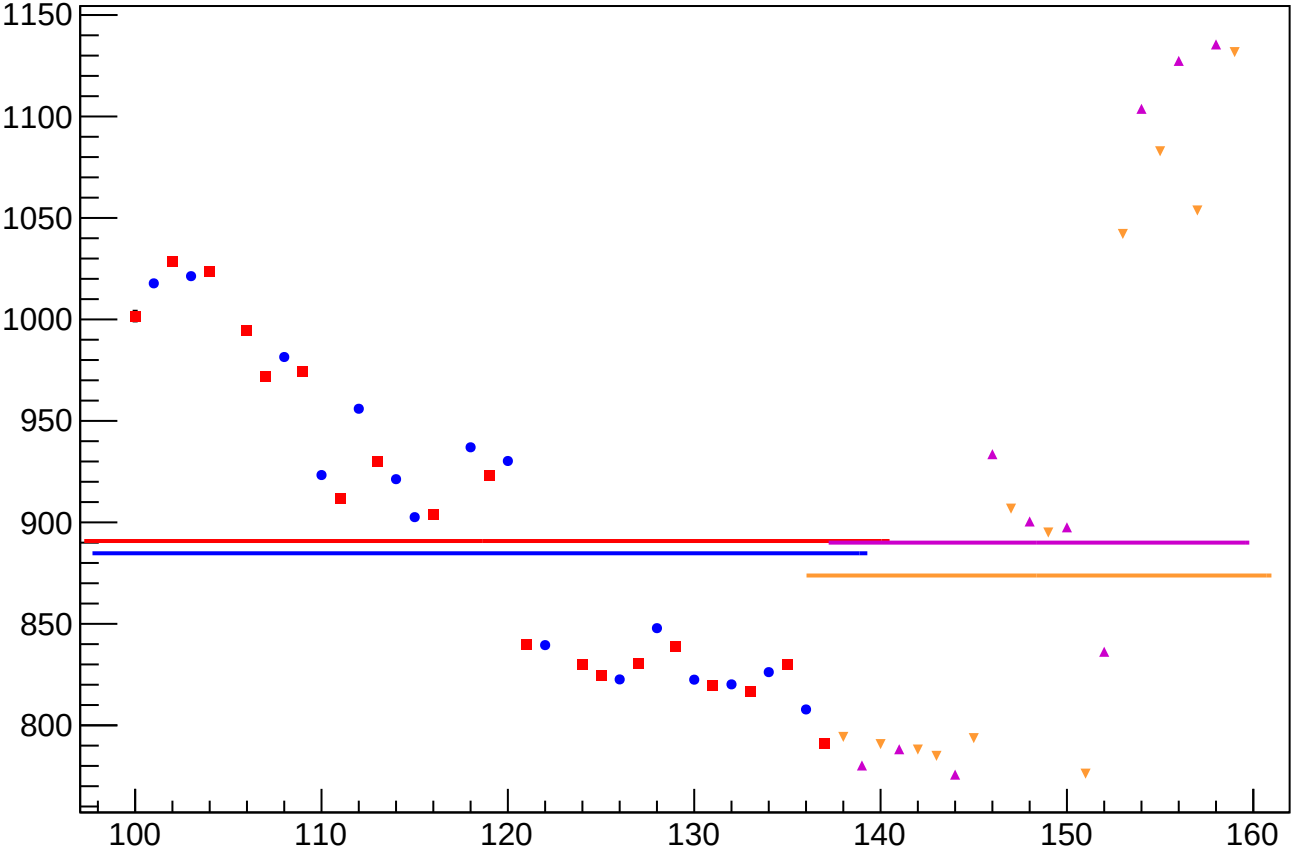
In: 791.499+/-0.142 χ^2/NDF:703118.6/25

Out: 787.893+/-0.137 χ^2/NDF:718679.0/30

All: 789.626+/-0.098 χ^2/NDF: 1422132.3/56


diff_bpm2i01Y_mean vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: 0.109+/-0.330 χ²/NDF: 45.4/15
Left Out: 1.736+/-0.286 χ²/NDF:70.7/11
Right Out: -3.774+/-0.326 χ²/NDF: 99.6/18
Left In: -3.689+/-0.306 χ²/NDF:110.9/9
Left: -0.801+/-0.209 χ²/NDF: 349.3/21
Right: -1.855+/-0.232 χ²/NDF: 215.0/34
In: -1.935+/-0.224 χ²/NDF:227.6/25
Out: -0.664+/-0.215 χ²/NDF:331.4/30
All: -1.274+/-0.155 χ²/NDF: 575.7/56

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 873.819+/-0.203 χ^2/NDF:350543.2/11

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 890.021+/-0.216 χ^2/NDF:331272.1/9

Left: 881.396+/-0.148 χ^2/NDF: 684807.9/21

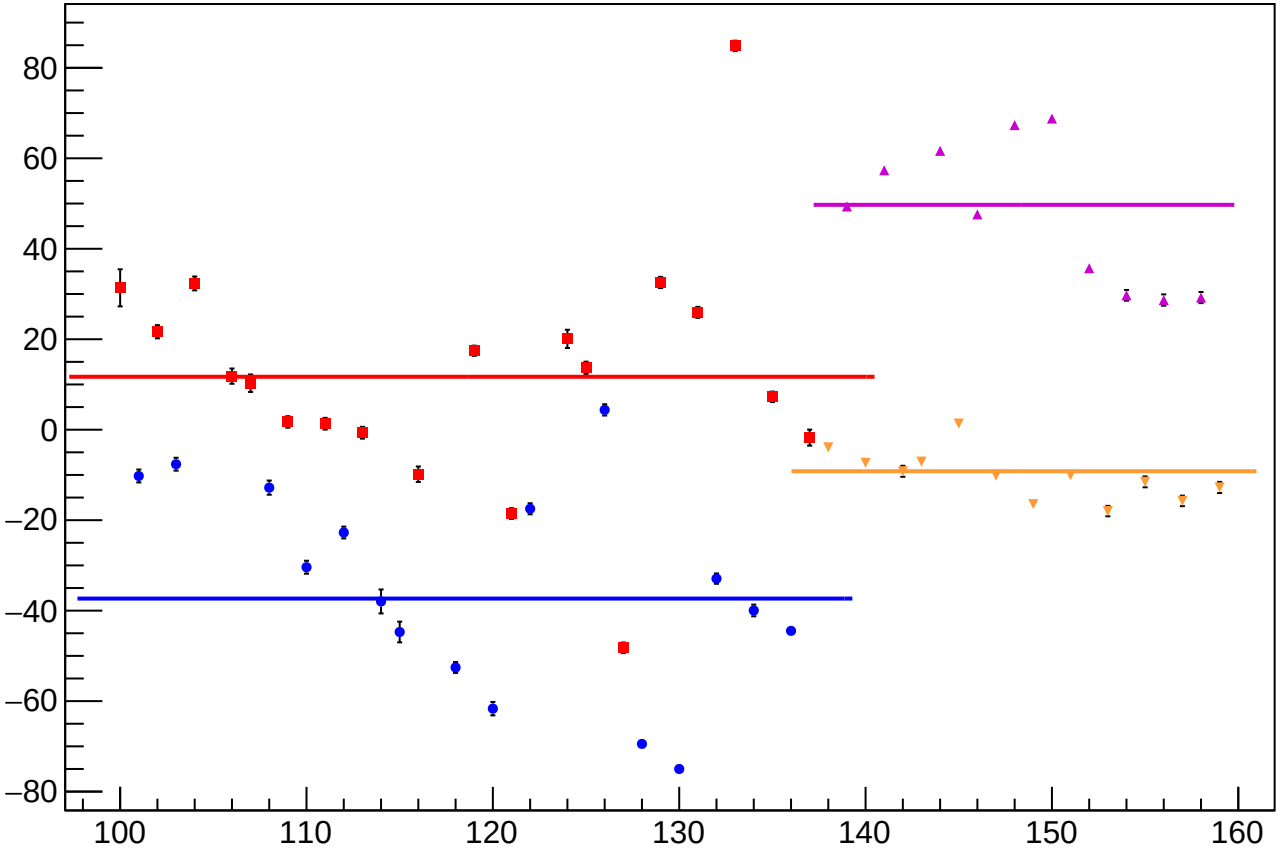
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 887.598+/-0.159 χ^2/NDF:436038.7/25

Out: 881.222+/-0.152 χ^2/NDF:461374.1/30

All: 884.279+/-0.110 χ^2/NDF: 898254.5/56

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -9.173+/-0.291 χ^2/NDF:332.0/11

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 49.714+/-0.313 χ^2/NDF:1995.8/9

Left: 18.146+/-0.213 χ^2/NDF: 21320.8/21

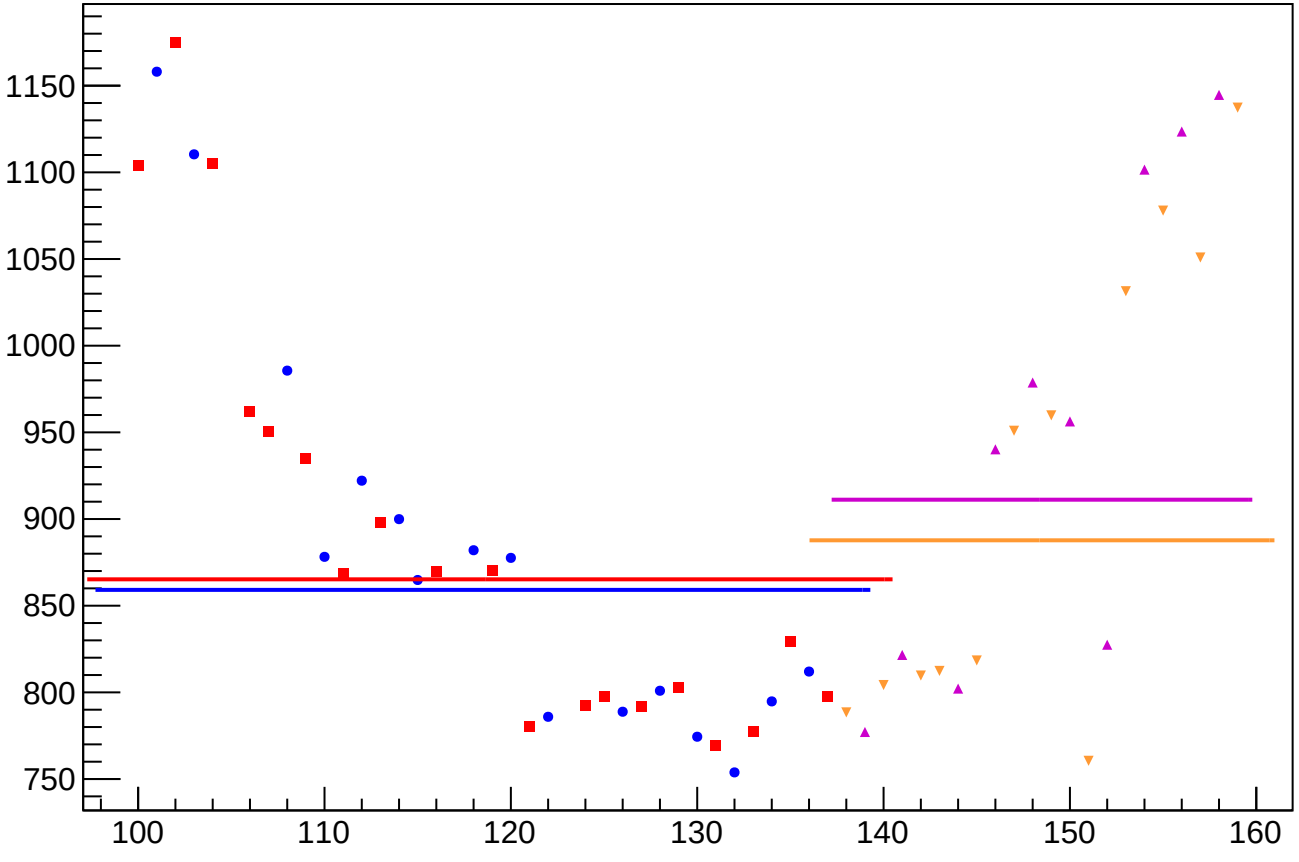
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 7.410+/-0.224 χ^2/NDF:44802.5/25

Out: 0.347+/-0.215 χ^2/NDF:11142.3/30

All: 3.724+/-0.155 χ^2/NDF: 56462.4/56

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 887.722+/-0.206 χ^2/NDF:343621.2/11

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 911.151+/-0.221 χ^2/NDF:316936.2/9

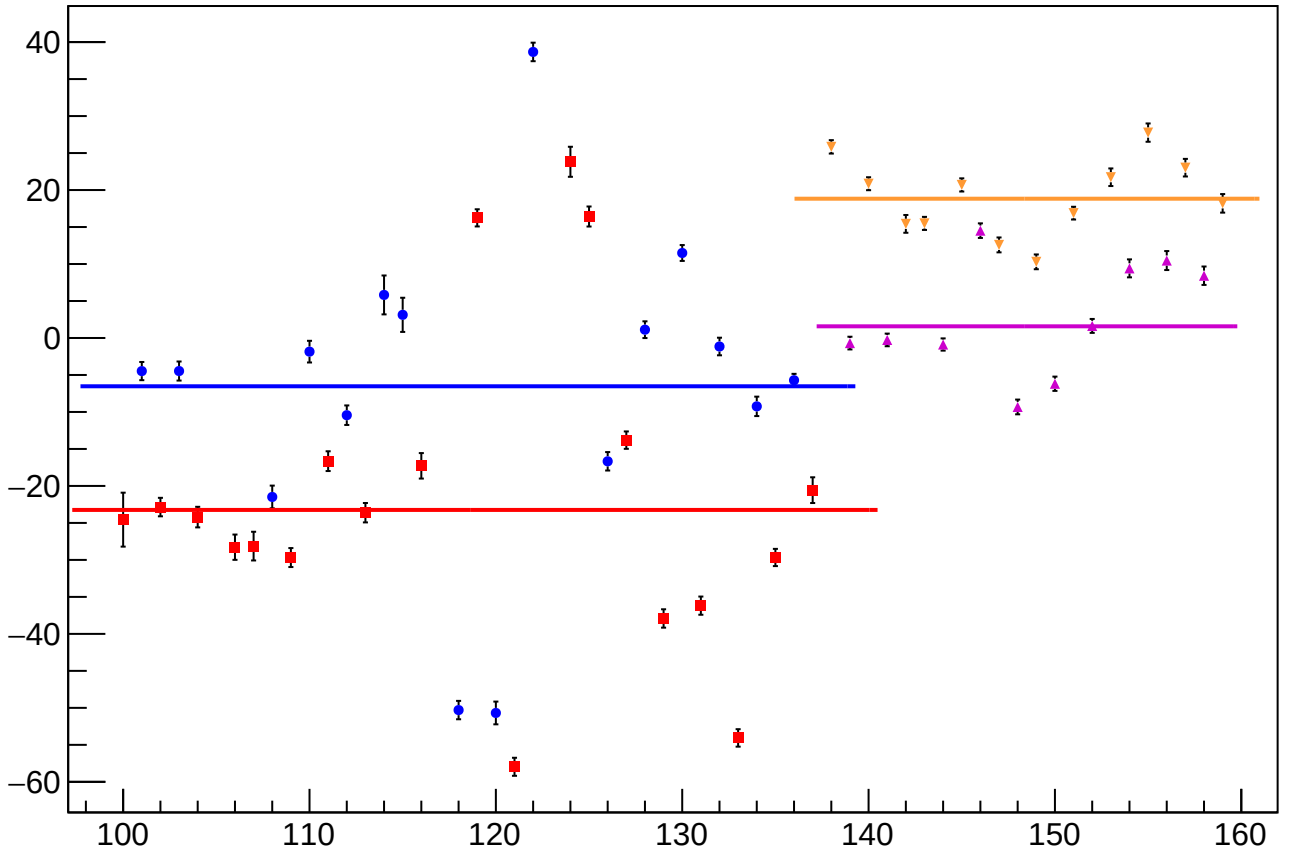
Left: 898.591+/-0.151 χ^2/NDF: 666570.9/21

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 885.867+/-0.159 χ^2/NDF:572526.1/25

Out: 877.459+/-0.152 χ^2/NDF:572744.8/30

All: 881.479+/-0.110 χ^2/NDF: 1146737.8/56



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.828+/-0.291 χ^2/NDF:279.2/11

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 1.578+/-0.311 χ^2/NDF:496.3/9

Left: 10.763+/-0.213 χ^2/NDF: 2416.0/21

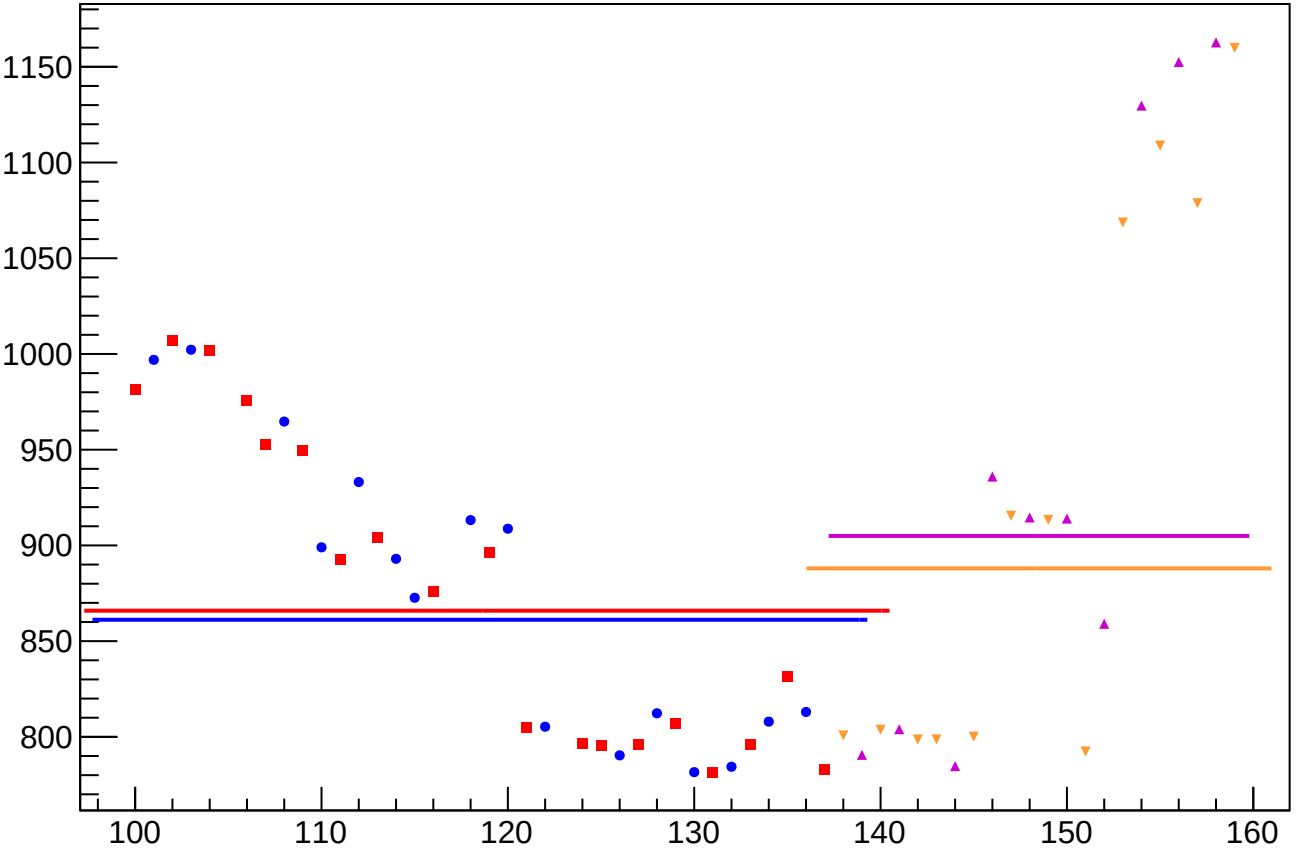
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -2.342+/-0.223 χ^2/NDF:4771.4/25

Out: -0.426+/-0.214 χ^2/NDF:14301.1/30

All: -1.345+/-0.155 χ^2/NDF: 19110.8/56

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 887.998+/-0.206 χ^2/NDF:370655.8/11

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 904.952+/-0.220 χ^2/NDF:341491.4/9

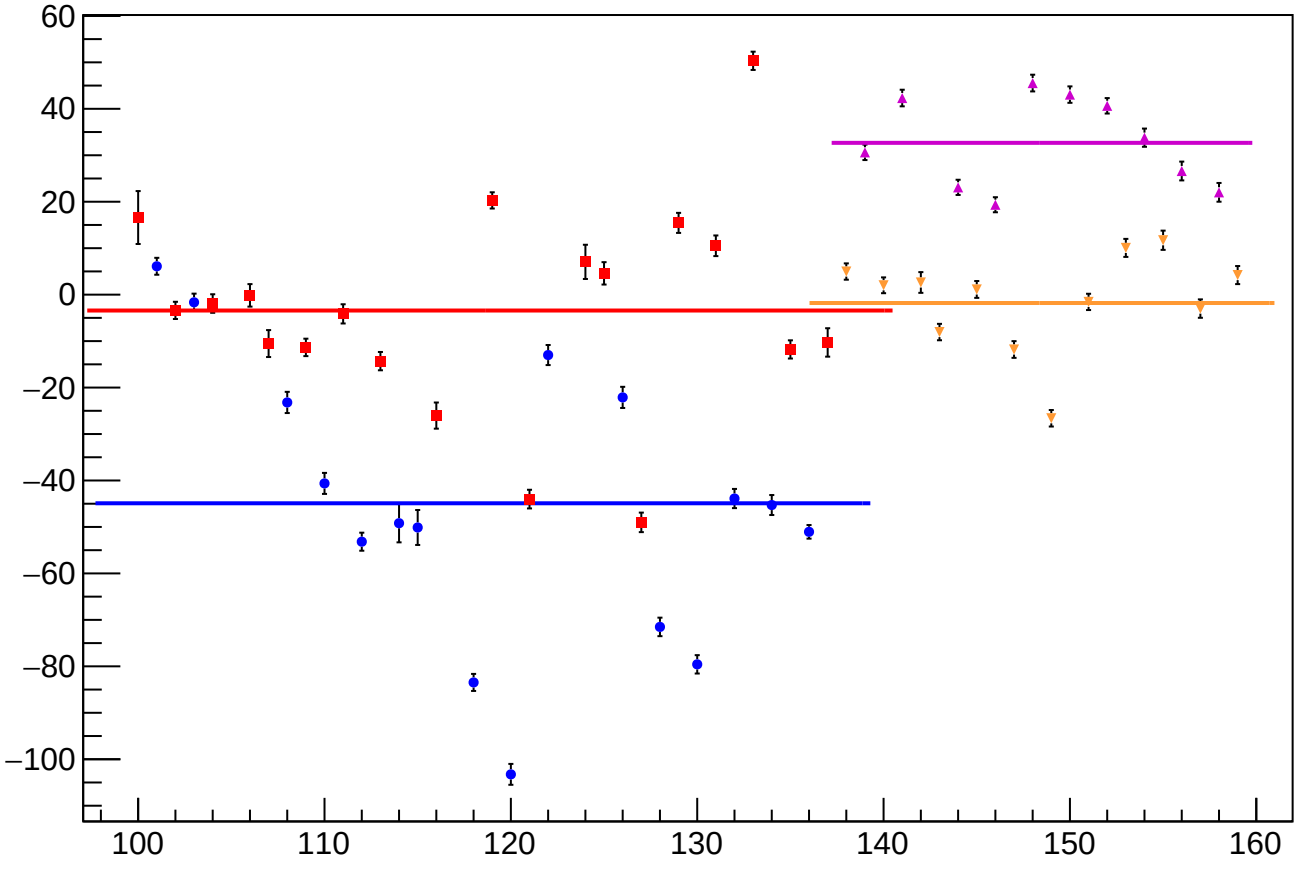
Left: 895.924+/-0.150 χ^2/NDF: 715316.2/21

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 883.781+/-0.158 χ^2/NDF:474213.4/25

Out: 877.888+/-0.152 χ^2/NDF:494340.9/30

All: 880.715+/-0.109 χ^2/NDF: 969278.6/56



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.799+/-0.537 χ^2/NDF:354.6/11

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 32.674+/-0.562 χ^2/NDF:278.3/9

Left: 14.673+/-0.388 χ^2/NDF: 2600.7/21

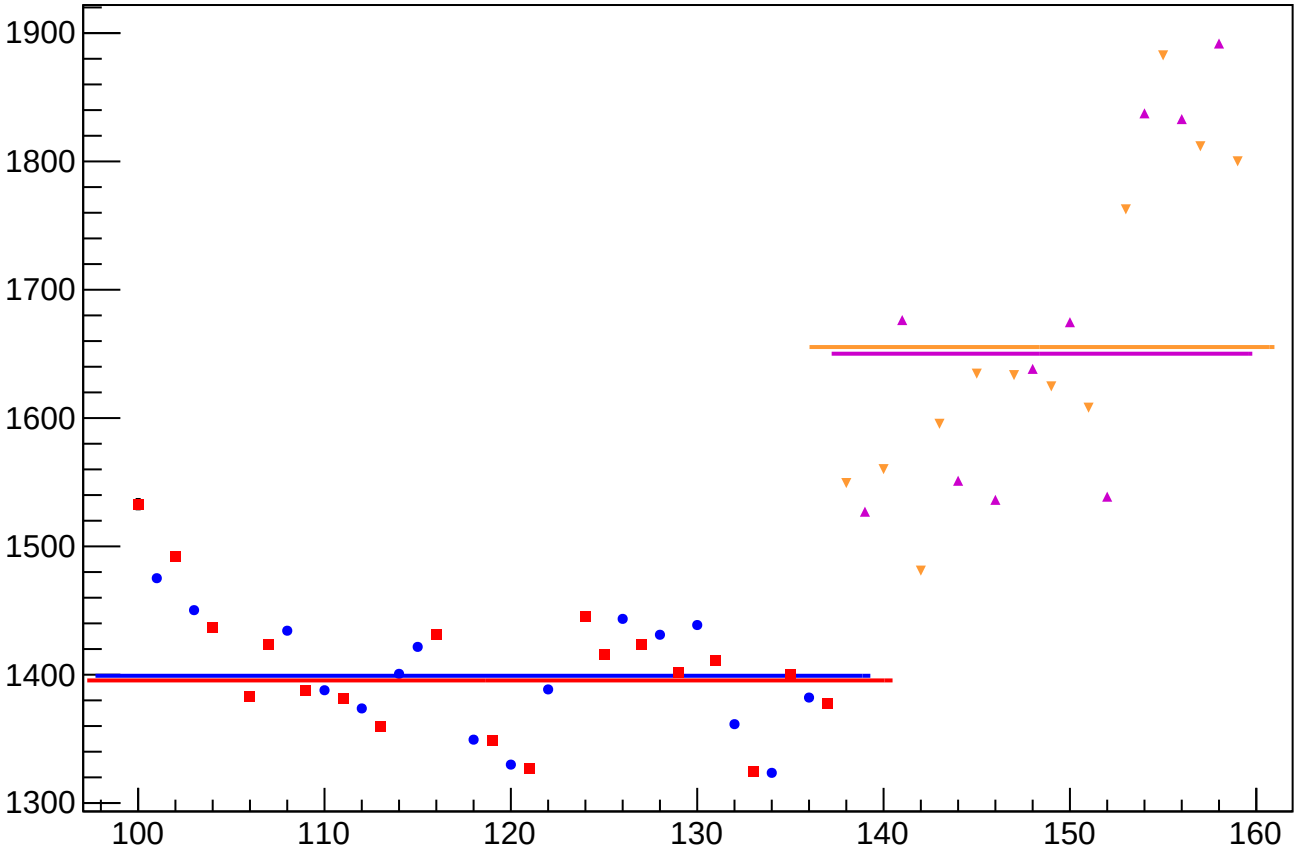
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -9.100+/-0.382 χ^2/NDF:13932.5/25

Out: -2.651+/-0.370 χ^2/NDF:2461.5/30

All: -5.773+/-0.265 χ^2/NDF: 16541.4/56

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1655.352+/-0.380 χ^2/NDF:84428.3/11

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1650.157+/-0.397 χ^2/NDF:101413.3/9

Left: 1652.870+/-0.274 χ^2/NDF: 185931.0/21

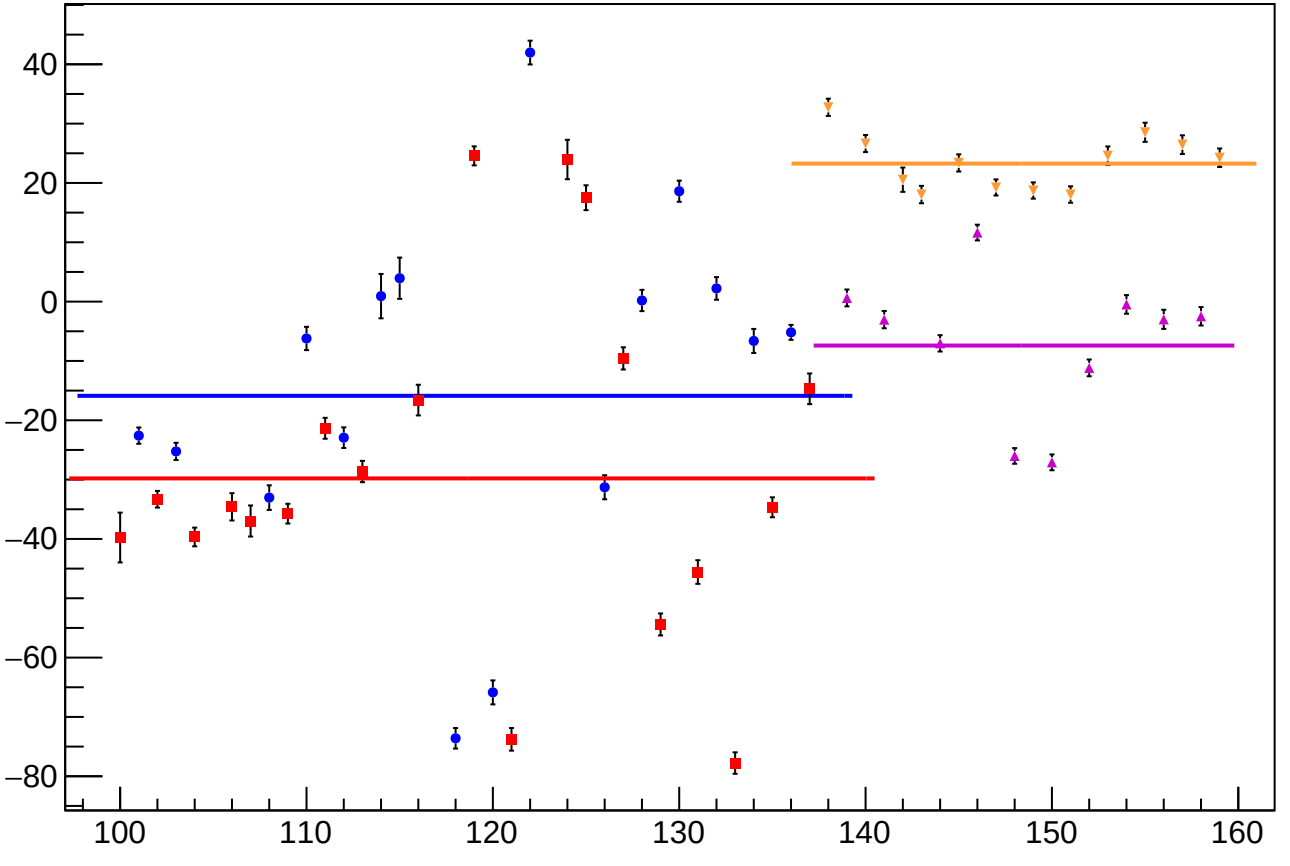
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1515.010+/-0.270 χ^2/NDF:331383.8/25

Out: 1518.495+/-0.261 χ^2/NDF:347104.3/30

All: 1516.808+/-0.188 χ^2/NDF: 678574.1/56

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.262+/-0.433 χ^2/NDF:112.3/11

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -7.406+/-0.452 χ^2/NDF:708.4/9

Left: 8.567+/-0.313 χ^2/NDF: 3223.6/21

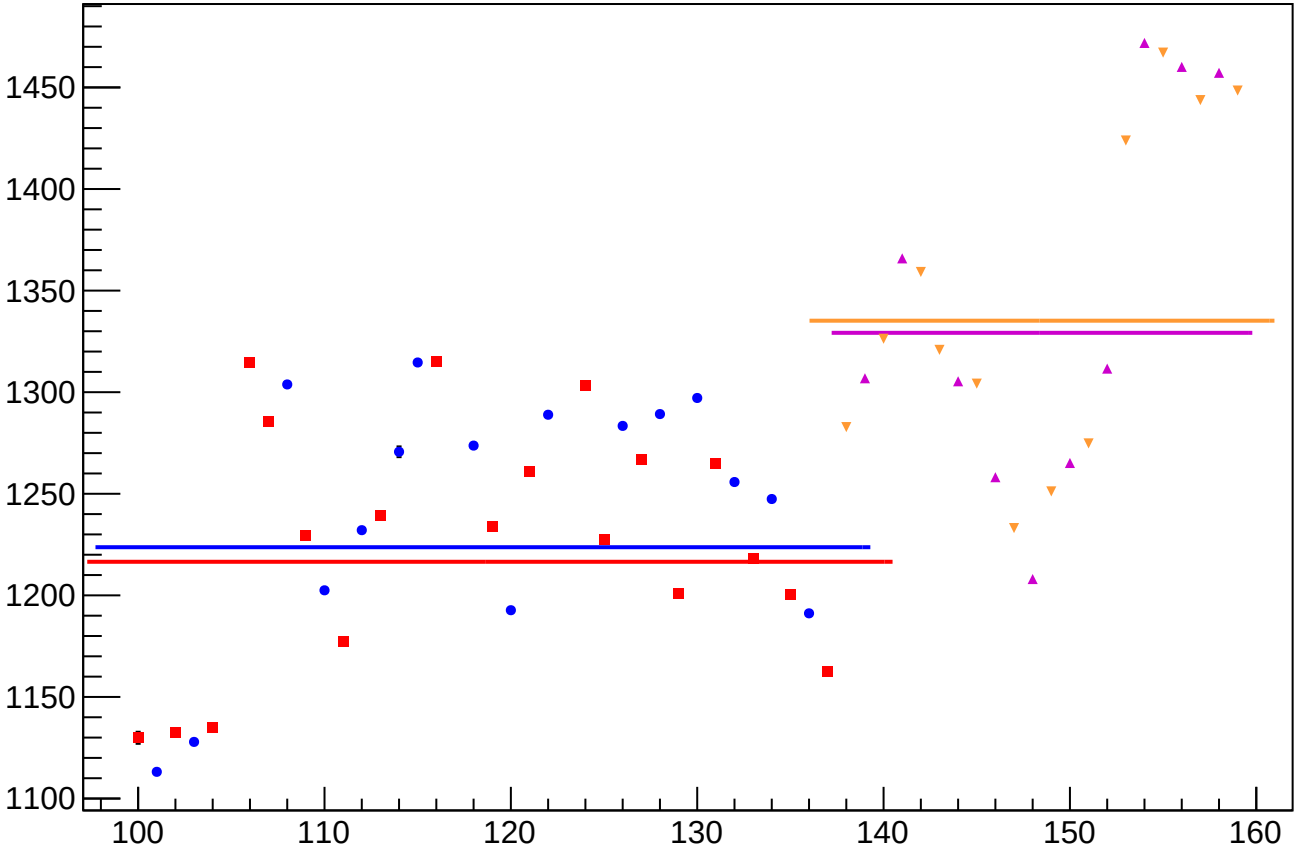
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.607+/-0.321 χ^2/NDF:4360.8/25

Out: -2.587+/-0.310 χ^2/NDF:11106.7/30

All: -6.948+/-0.223 χ^2/NDF: 15876.5/56

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1335.190+/-0.306 χ^2/NDF:66420.5/11

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1329.222+/-0.319 χ^2/NDF:73262.1/9

Left: 1332.330+/-0.221 χ^2/NDF: 139864.5/21

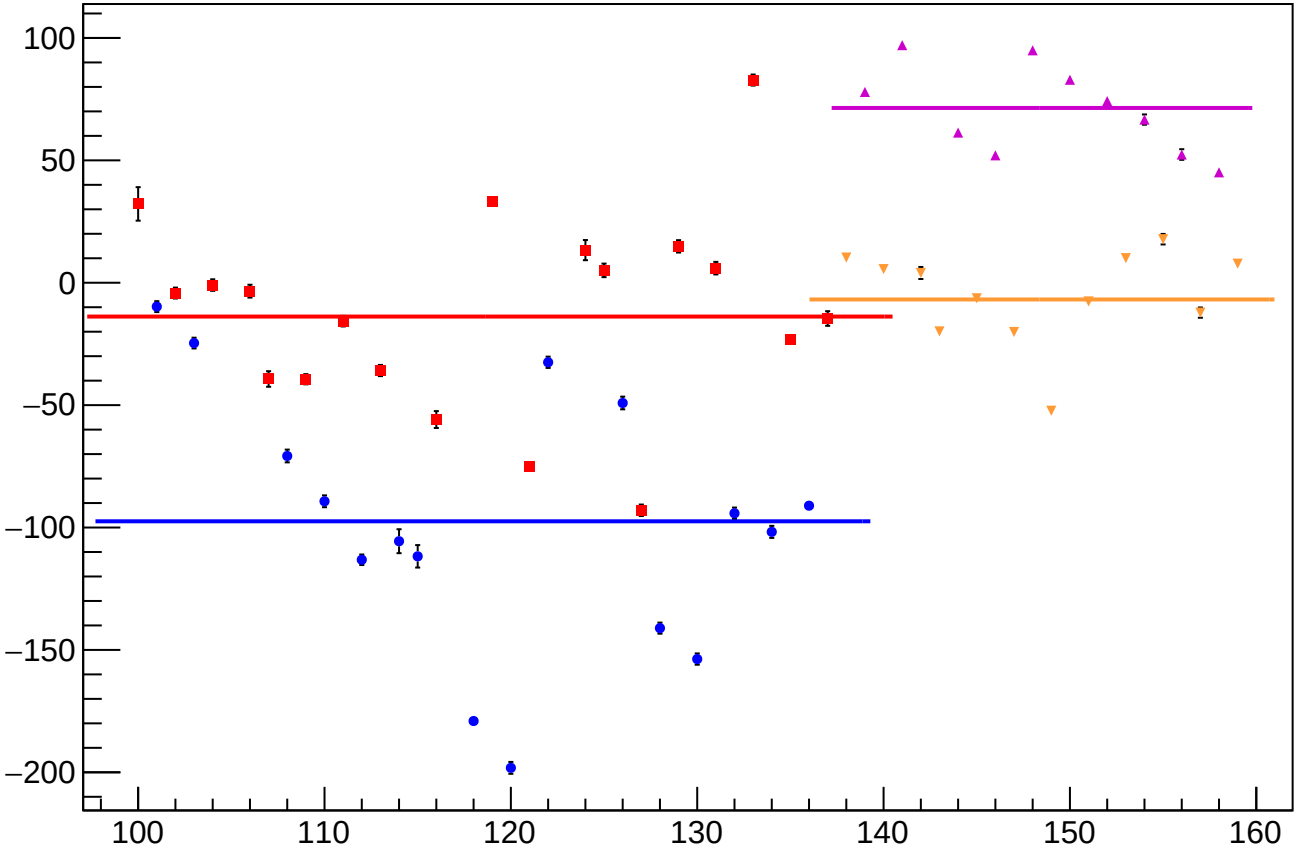
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1276.896+/-0.227 χ^2/NDF:168314.0/25

Out: 1277.388+/-0.219 χ^2/NDF:168940.8/30

All: 1277.150+/-0.158 χ^2/NDF: 337257.2/56

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -6.832+/-0.554 χ^2/NDF:1168.0/11

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 71.406+/-0.579 χ^2/NDF:858.8/9

Left: 30.512+/-0.400 χ^2/NDF: 11557.2/21

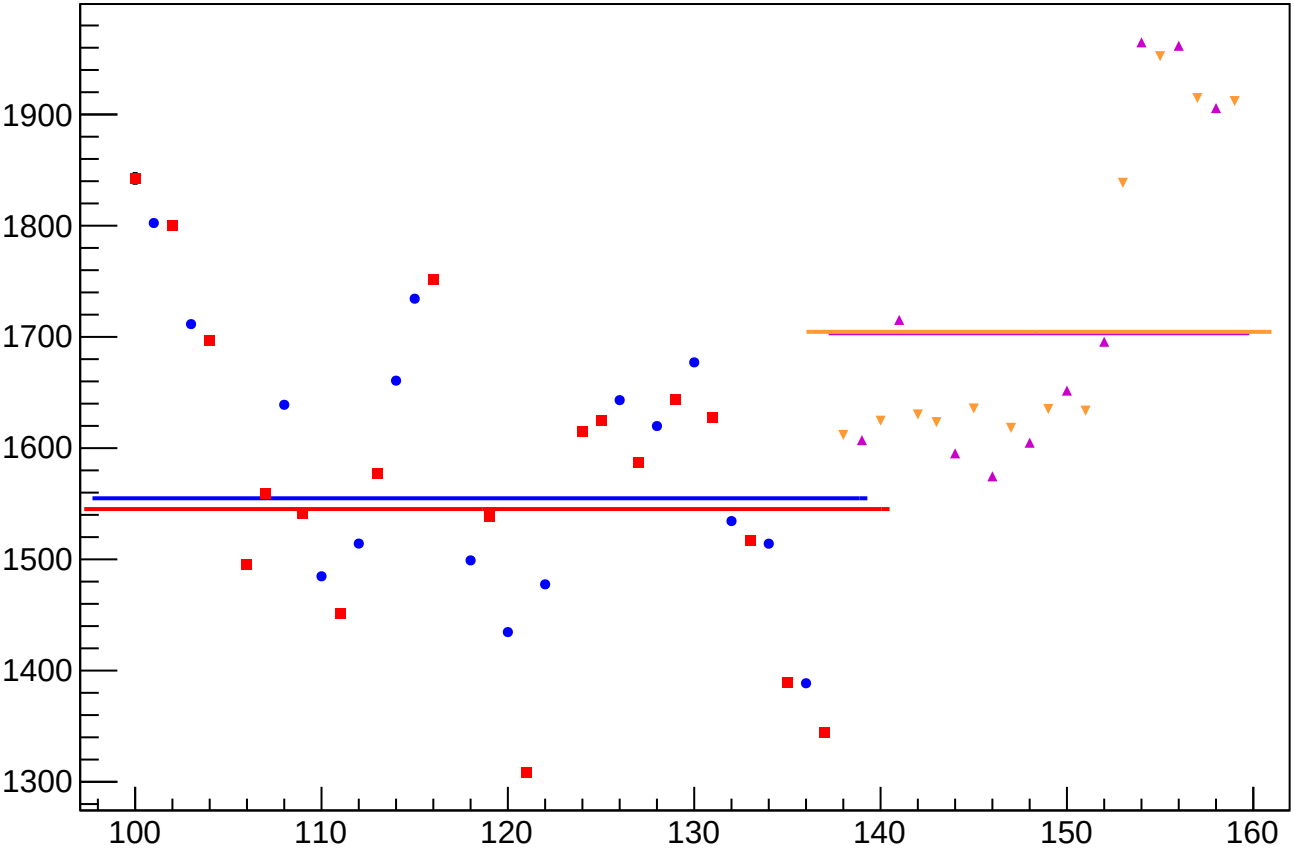
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -13.022+/-0.410 χ^2/NDF:51626.1/25

Out: -10.249+/-0.396 χ^2/NDF:6598.1/30

All: -11.588+/-0.285 χ^2/NDF: 58247.8/56

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1704.572+/-0.392 χ^2/NDF:104550.4/11

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1703.292+/-0.410 χ^2/NDF:114014.2/9

Left: 1703.961+/-0.283 χ^2/NDF: 218569.7/21

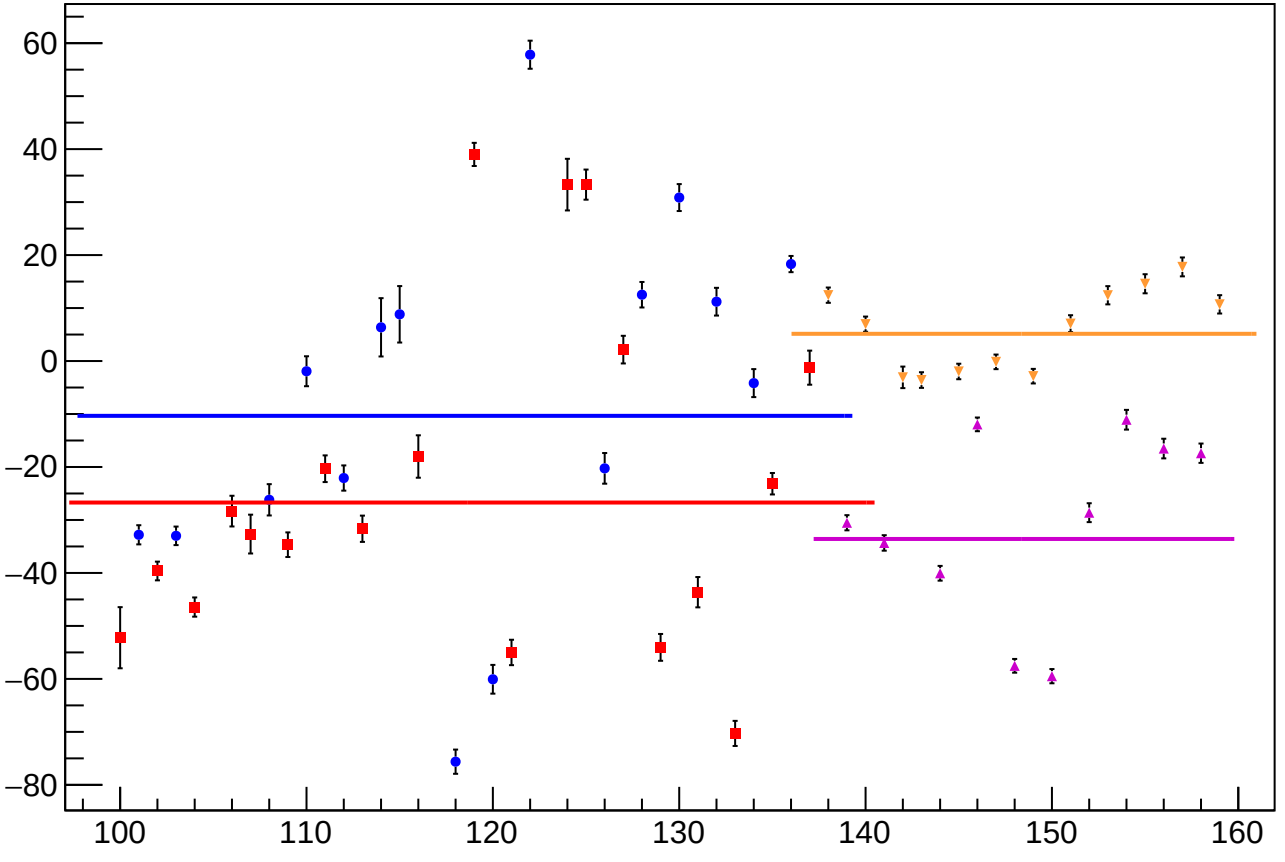
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1629.102+/-0.290 χ^2/NDF:267517.7/25

Out: 1626.611+/-0.280 χ^2/NDF:294377.4/30

All: 1627.813+/-0.201 χ^2/NDF: 561933.3/56

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.139+/-0.453 χ^2/NDF:257.9/11

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -33.586+/-0.476 χ^2/NDF:1336.2/9

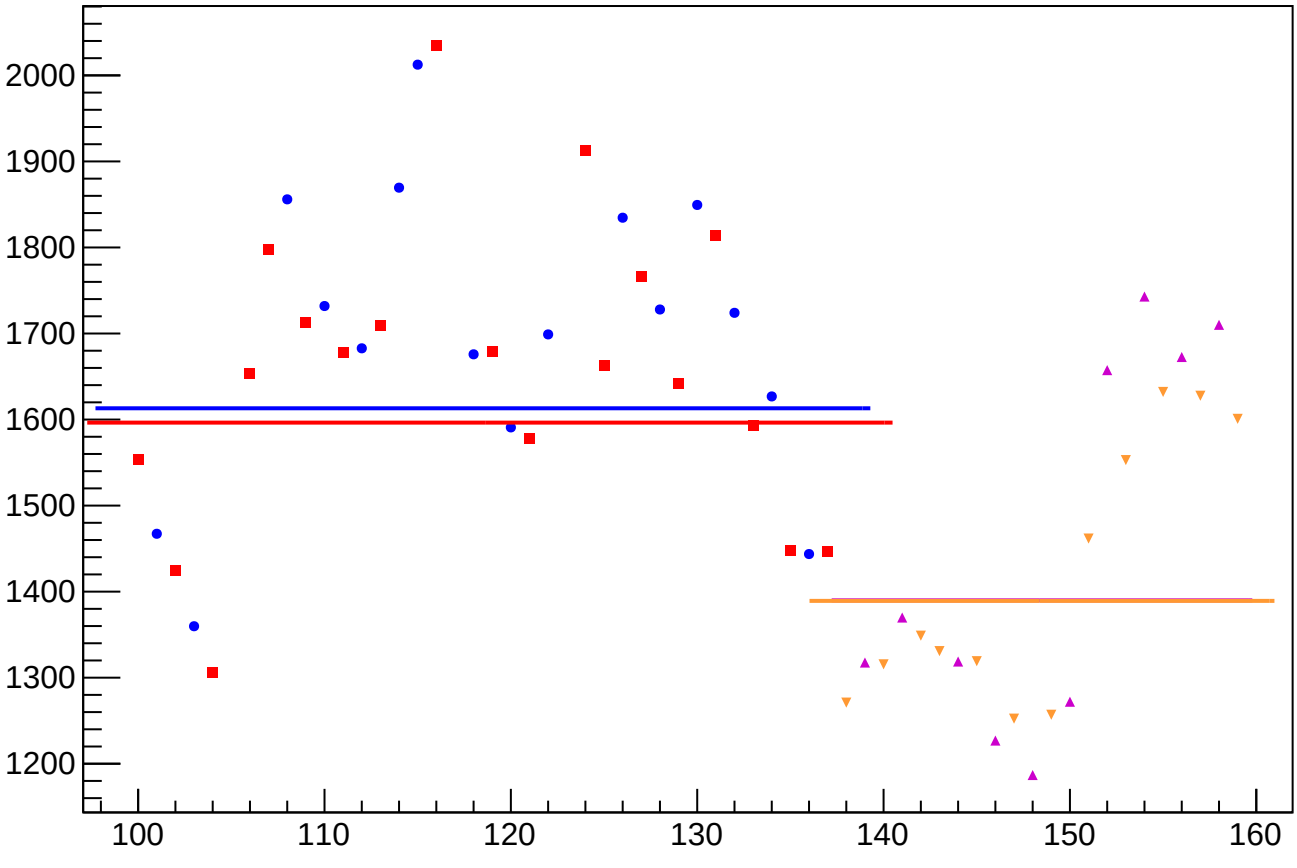
Left: -13.252+/-0.328 χ^2/NDF: 5068.7/21

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.665+/-0.374 χ^2/NDF:5258.1/25

Out: -6.756+/-0.358 χ^2/NDF:4646.9/30

All: -15.336+/-0.259 χ^2/NDF: 11101.5/56



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1389.256+/-0.320 χ^2/NDF:189673.1/11

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1389.894+/-0.337 χ^2/NDF:332036.0/9

Left: 1389.559+/-0.232 χ^2/NDF: 521710.9/21

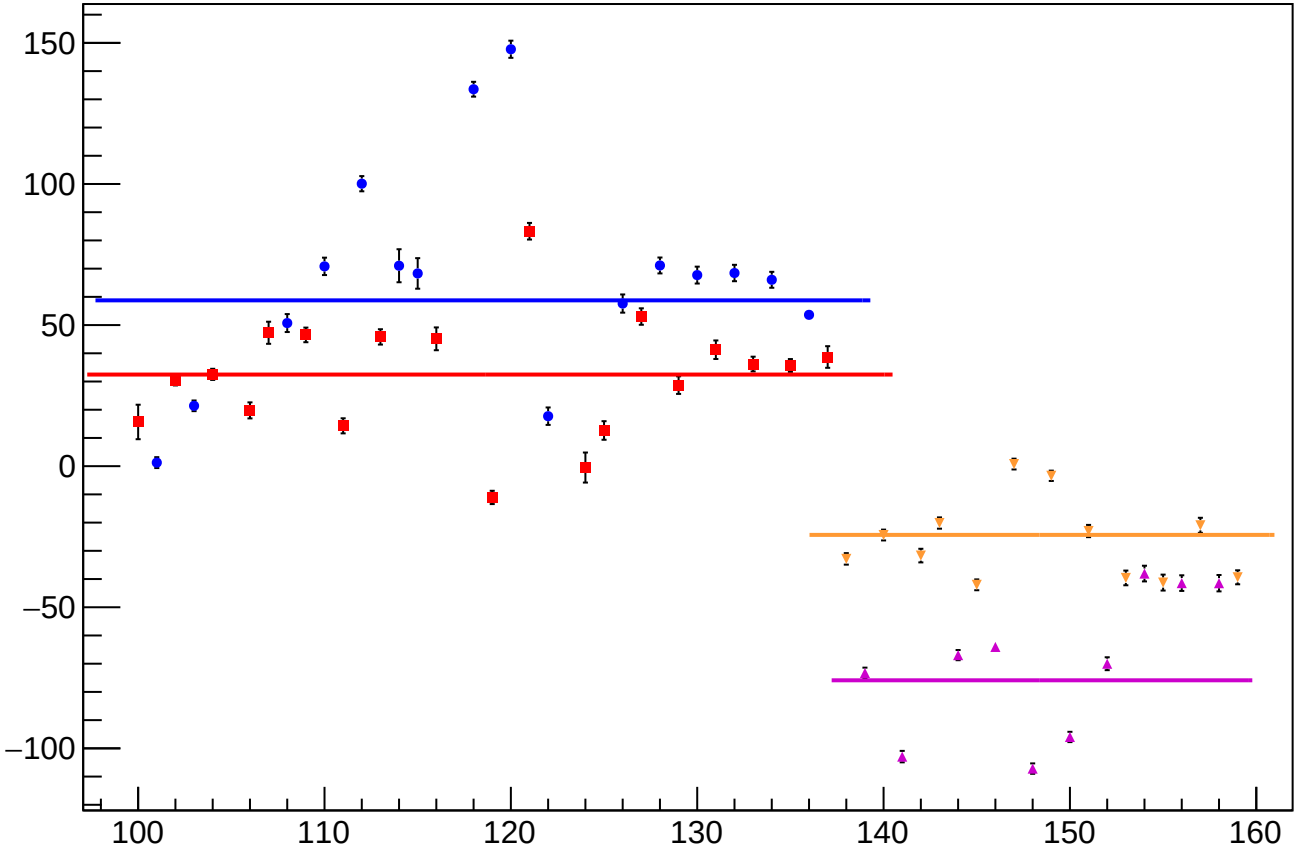
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1475.571+/-0.264 χ^2/NDF:655506.5/25

Out: 1466.639+/-0.253 χ^2/NDF:506827.6/30

All: 1470.918+/-0.183 χ^2/NDF: 1162929.3/56

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -24.354+/-0.624 χ^2/NDF:527.4/11

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -75.884+/-0.657 χ^2/NDF:1145.2/9

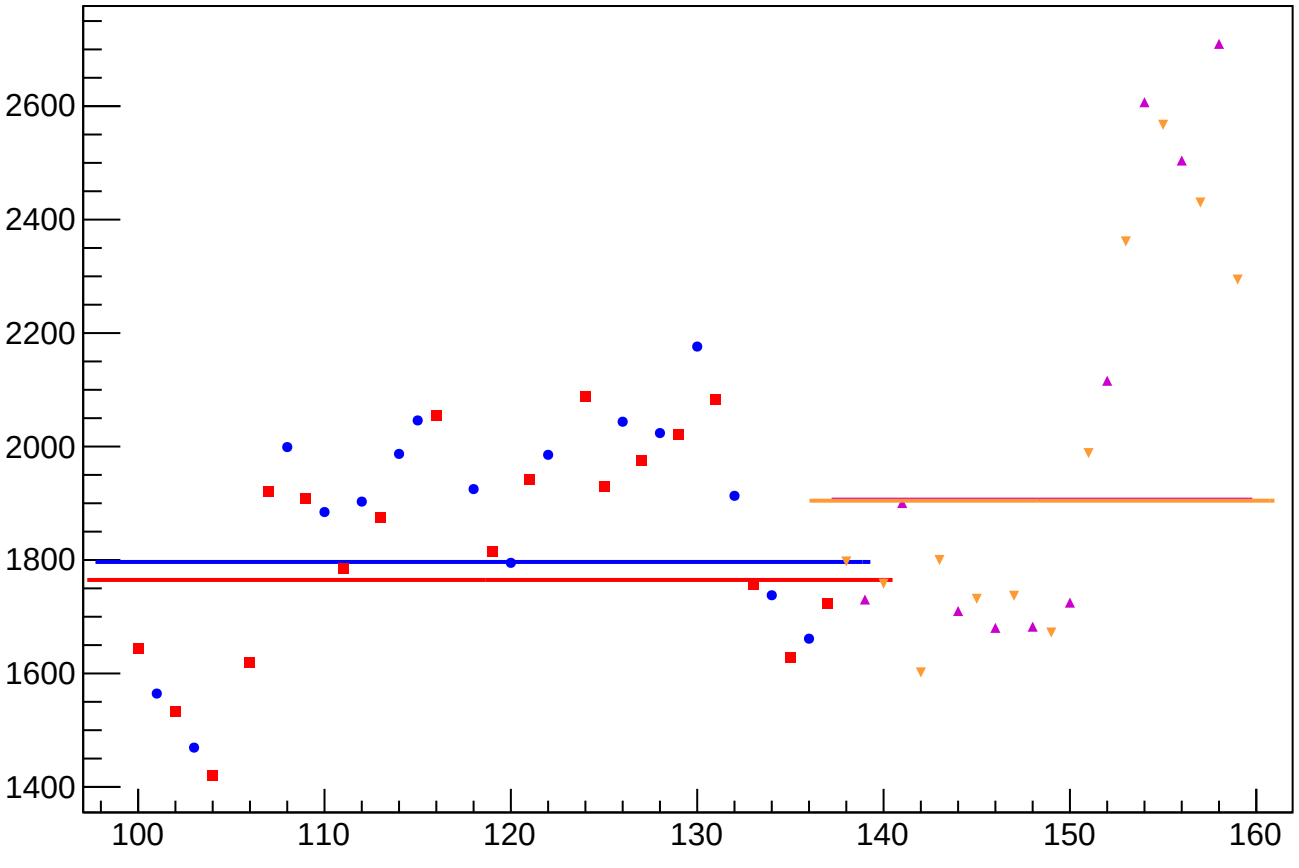
Left: -48.803+/-0.453 χ^2/NDF: 4904.1/21

Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -10.111+/-0.470 χ^2/NDF:25096.2/25

Out: 2.984+/-0.450 χ^2/NDF:5442.3/30

All: -3.276+/-0.325 χ^2/NDF: 30943.7/56



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1904.587+/-0.442 χ^2/NDF:419752.2/11

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1906.399+/-0.465 χ^2/NDF:513205.7/9

Left: 1905.446+/-0.320 χ^2/NDF: 932965.9/21

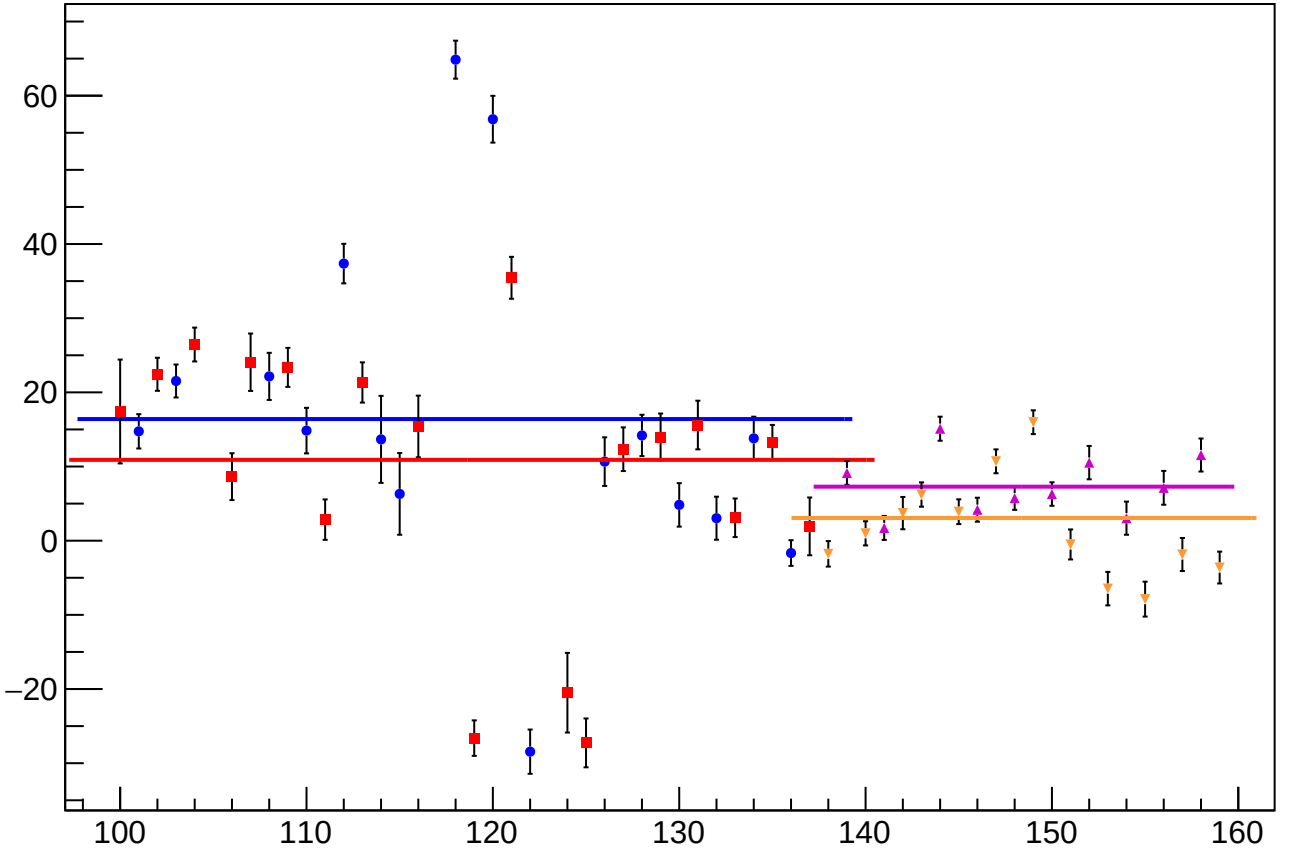
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1852.741+/-0.332 χ^2/NDF:733674.5/25

Out: 1837.360+/-0.318 χ^2/NDF:657924.8/30

All: 1844.713+/-0.230 χ^2/NDF: 1392717.4/56

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.062+/-0.537 χ^2/NDF:158.0/11

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.285+/-0.566 χ^2/NDF:50.8/9

Left: 5.063+/-0.389 χ^2/NDF: 238.1/21

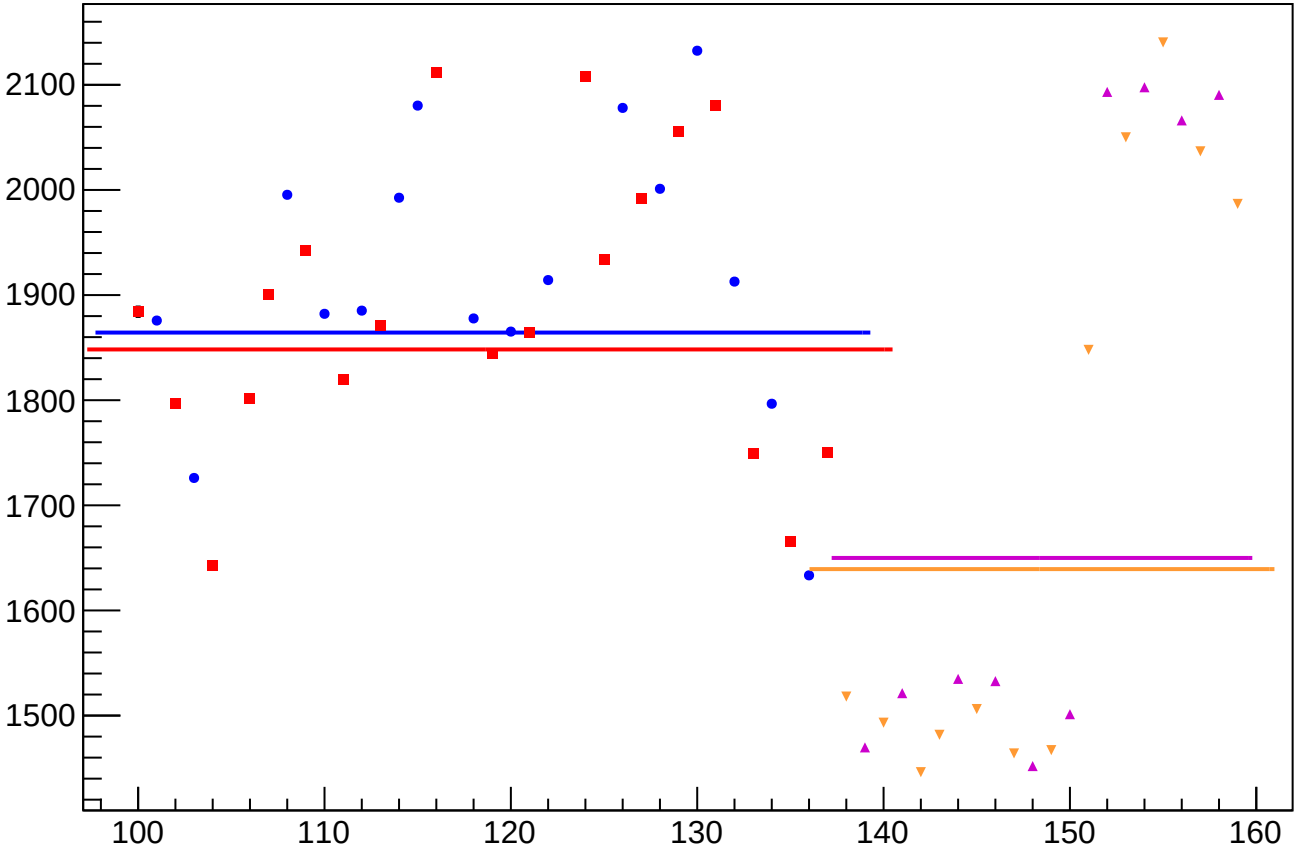
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.918+/-0.439 χ^2/NDF:1127.2/25

Out: 6.092+/-0.420 χ^2/NDF:882.0/30

All: 8.402+/-0.304 χ^2/NDF: 2072.3/56

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1639.330+/-0.380 χ^2/NDF:413852.5/11

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1649.943+/-0.400 χ^2/NDF:410250.7/9

Left: 1644.358+/-0.275 χ^2/NDF: 824473.5/21

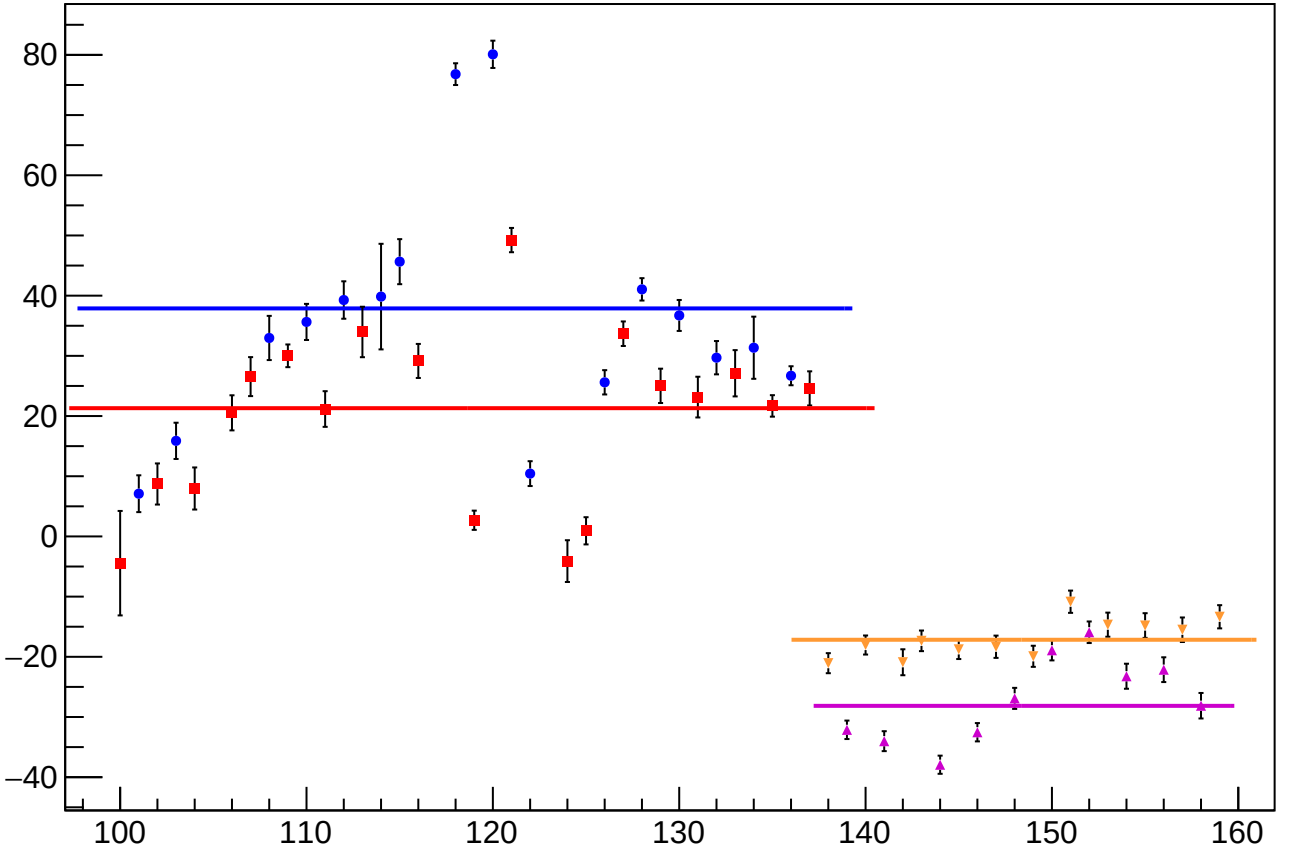
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1735.402+/-0.310 χ^2/NDF:608026.0/25

Out: 1720.113+/-0.297 χ^2/NDF:605934.4/30

All: 1727.432+/-0.215 χ^2/NDF: 1215226.3/56

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.168+/-0.526 χ^2/NDF:31.8/11

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -28.147+/-0.547 χ^2/NDF:160.9/9

Left: -22.447+/-0.379 χ^2/NDF: 401.8/21

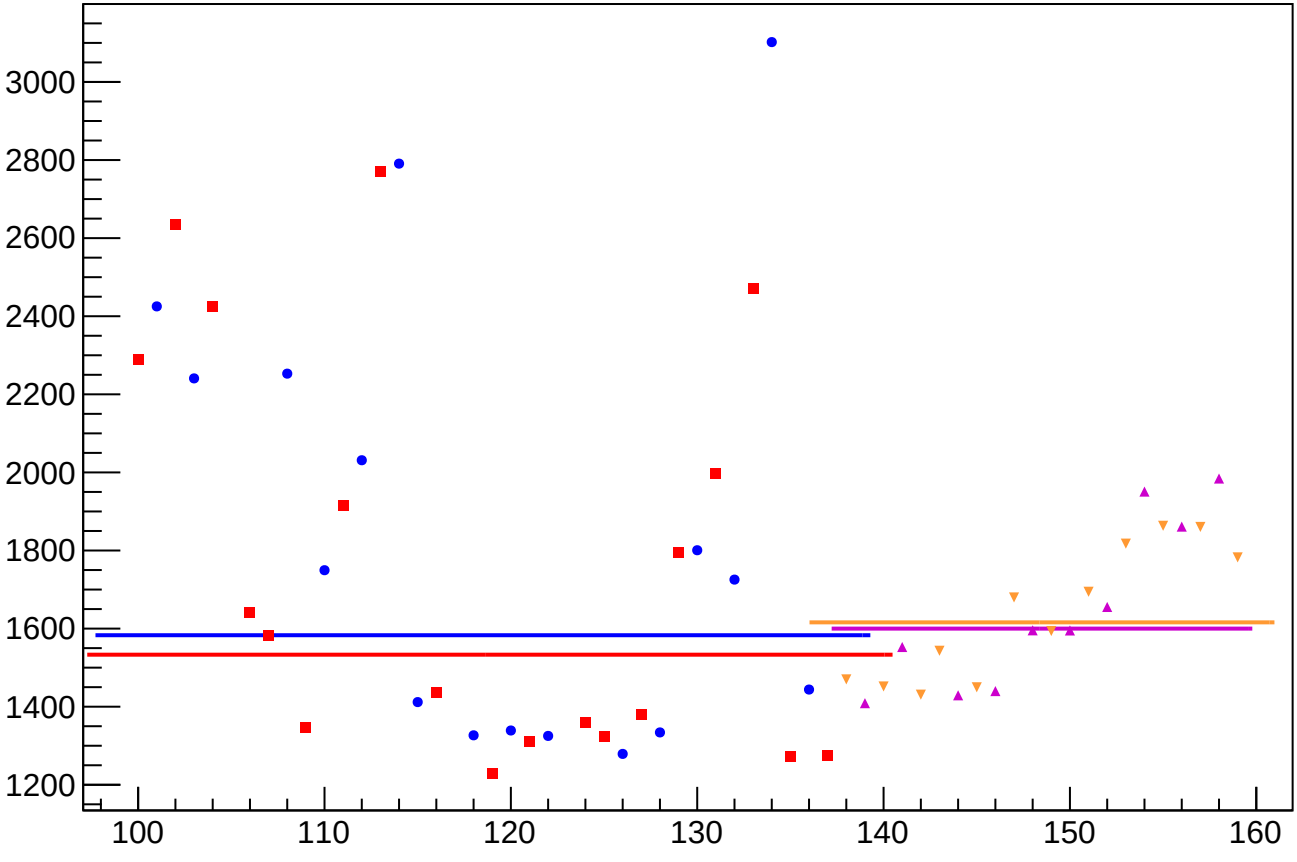
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 0.628+/-0.411 χ^2/NDF:7760.9/25

Out: -0.209+/-0.394 χ^2/NDF:2968.8/30

All: 0.192+/-0.284 χ^2/NDF: 10731.9/56

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1616.000+/-0.372 χ^2/NDF:175916.6/11

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1599.978+/-0.387 χ^2/NDF:237326.2/9

Left: 1608.296+/-0.268 χ^2/NDF: 414133.5/21

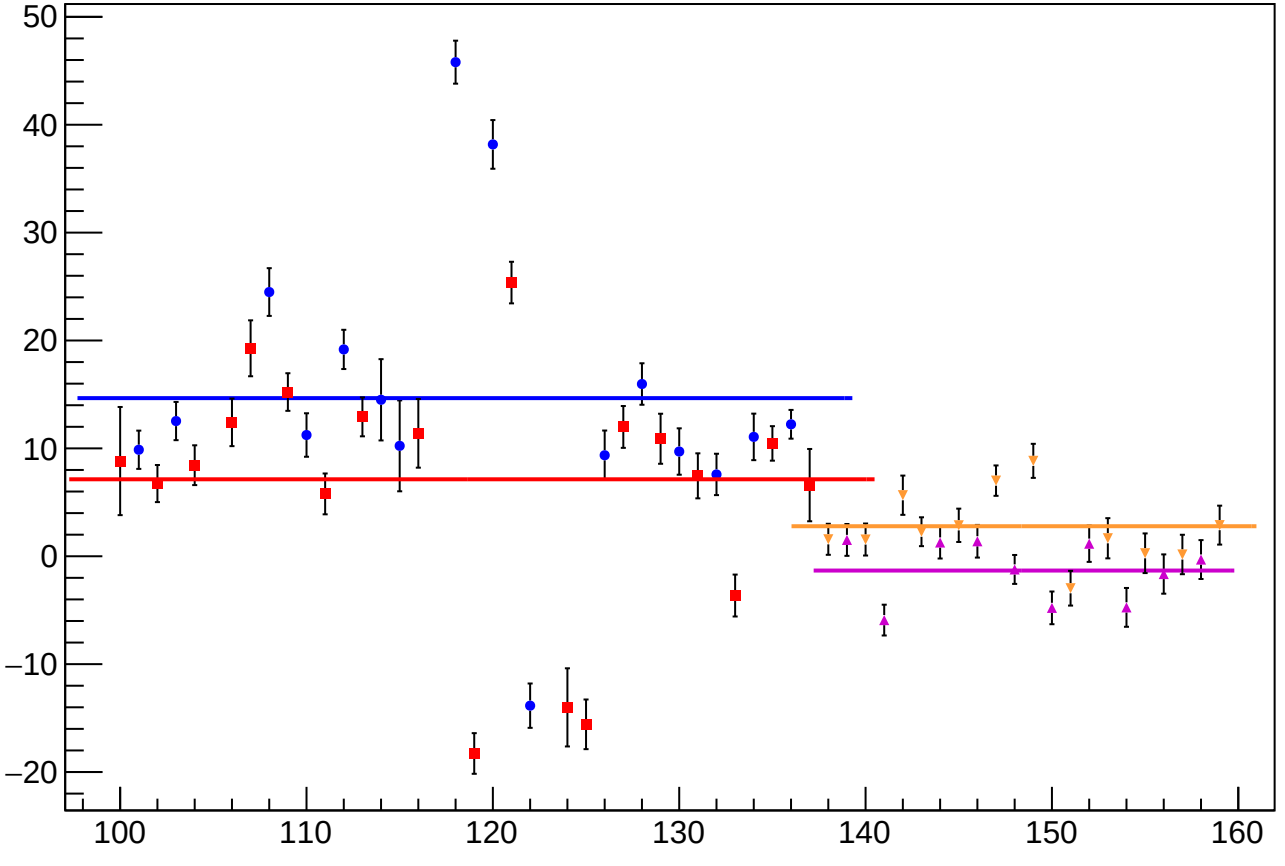
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1592.601+/-0.291 χ^2/NDF:1025833.4/25

Out: 1579.497+/-0.278 χ^2/NDF:1148508.8/30

All: 1585.769+/-0.201 χ^2/NDF: 2175402.8/56

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.784+/-0.461 χ^2/NDF:44.8/11

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.324+/-0.494 χ^2/NDF:31.7/9

Left: 0.870+/-0.337 χ^2/NDF: 113.5/21

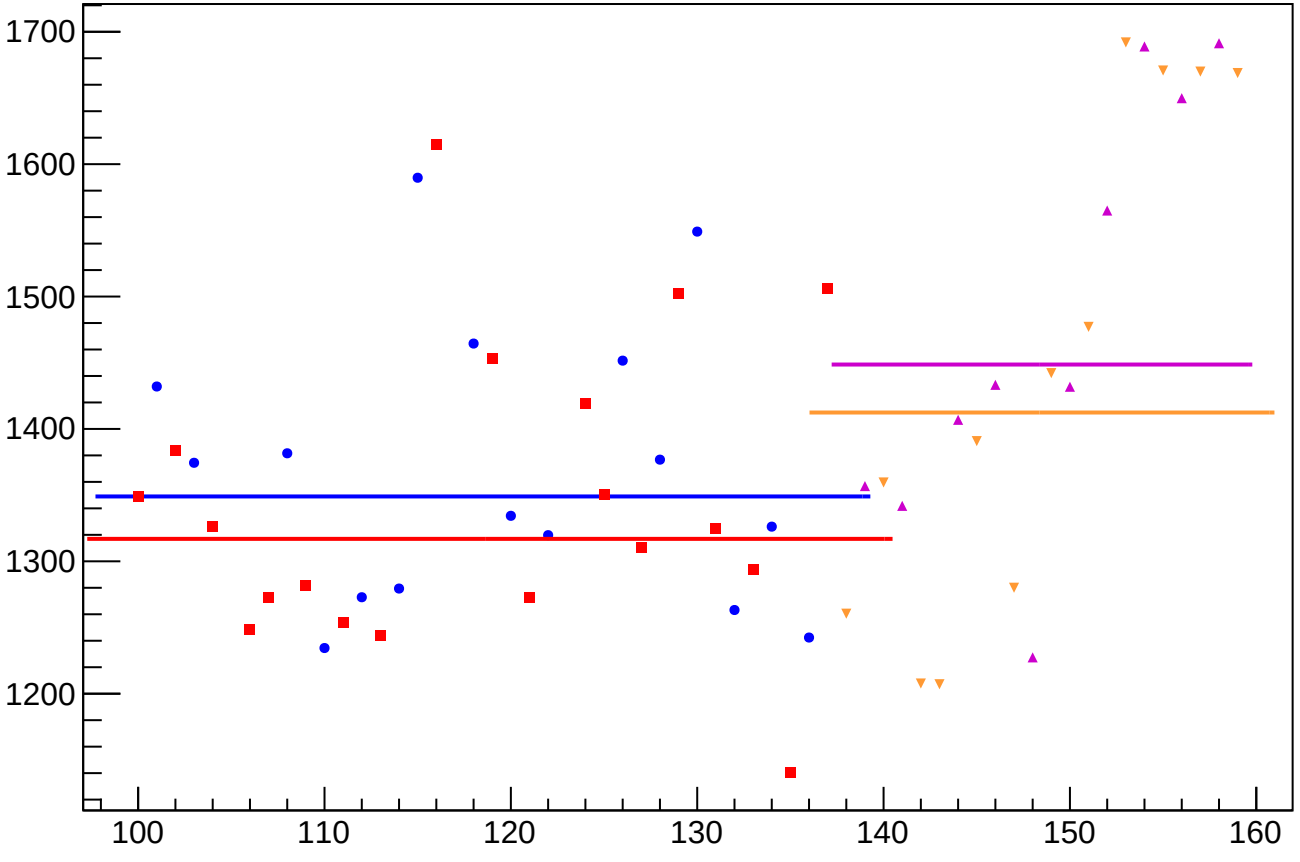
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 6.496+/-0.353 χ^2/NDF:1159.0/25

Out: 4.858+/-0.334 χ^2/NDF:596.7/30

All: 5.631+/-0.242 χ^2/NDF: 1767.0/56

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1412.403+/-0.326 χ^2/NDF:283906.8/11

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1448.644+/-0.349 χ^2/NDF:181232.6/9

Left: 1429.288+/-0.238 χ^2/NDF: 470891.9/21

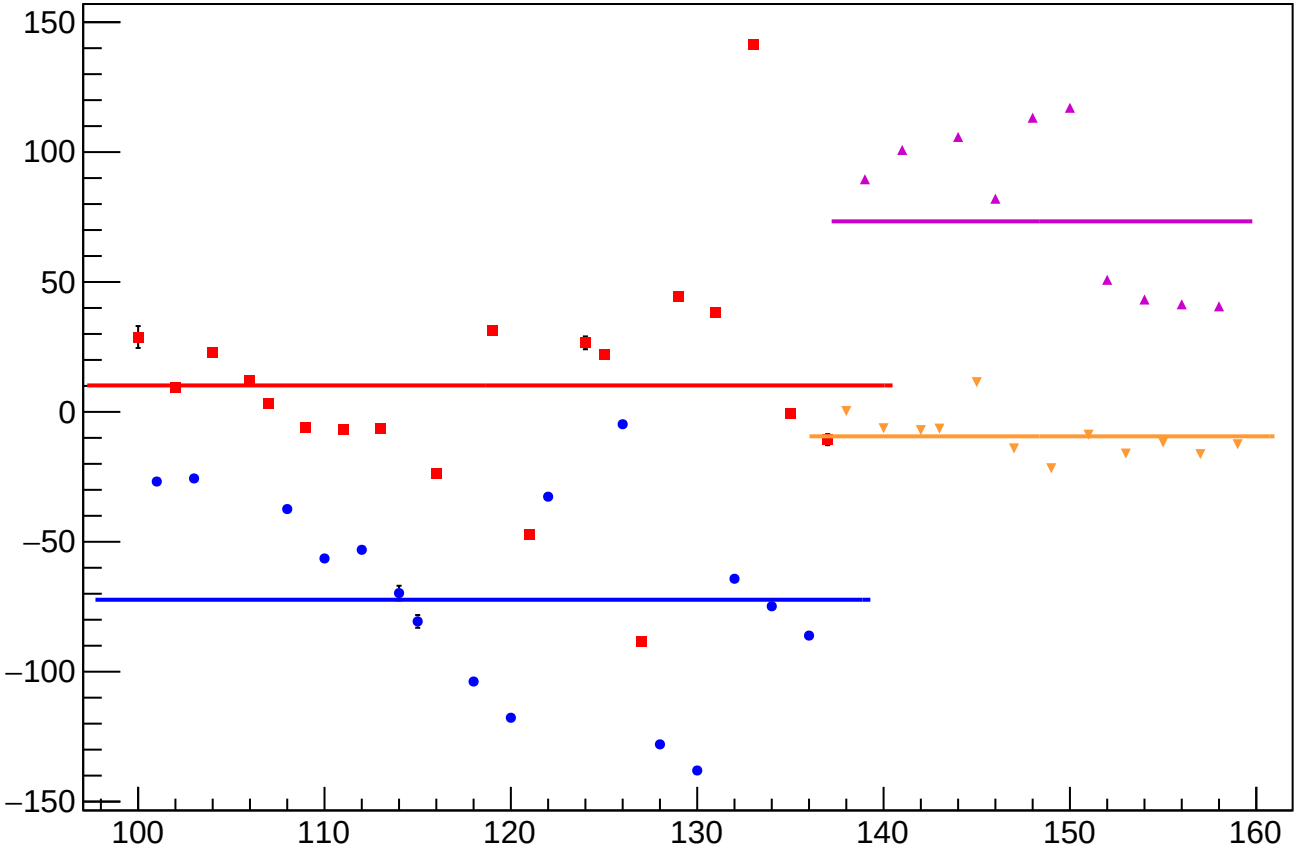
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1399.885+/-0.250 χ^2/NDF:289459.5/25

Out: 1366.896+/-0.236 χ^2/NDF:411609.2/30

All: 1382.466+/-0.171 χ^2/NDF: 710296.8/56

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.408+/-0.283 χ^2/NDF:780.7/11

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 73.337+/-0.305 χ^2/NDF:9279.9/9

Left: 28.931+/-0.207 χ^2/NDF: 49638.4/21

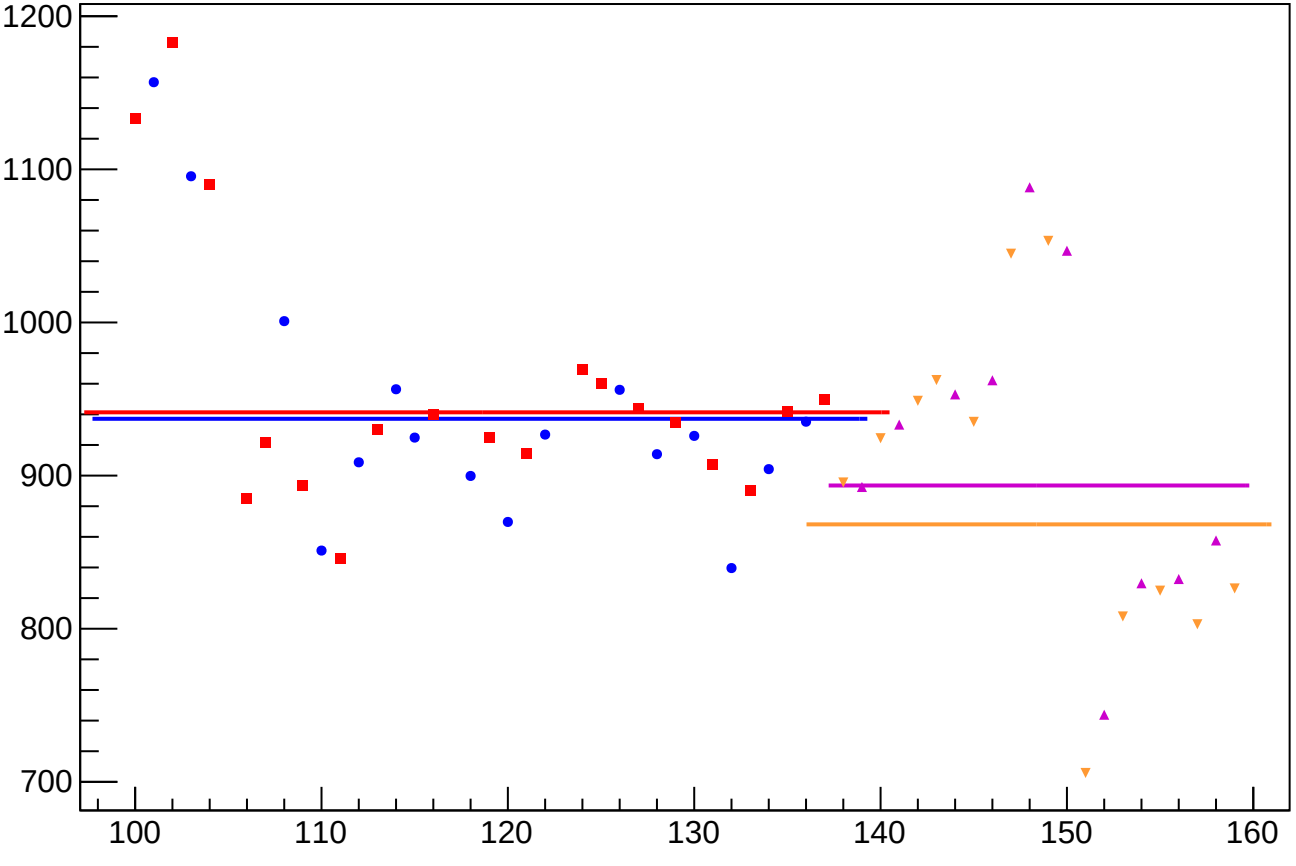
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 10.436+/-0.230 χ^2/NDF:120110.6/25

Out: -1.509+/-0.219 χ^2/NDF:21757.8/30

All: 4.173+/-0.158 χ^2/NDF: 143286.8/56

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 868.150+/-0.200 χ^2/NDF:255413.7/11

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 893.540+/-0.215 χ^2/NDF:203542.7/9

Left: 879.915+/-0.147 χ^2/NDF: 466409.1/21

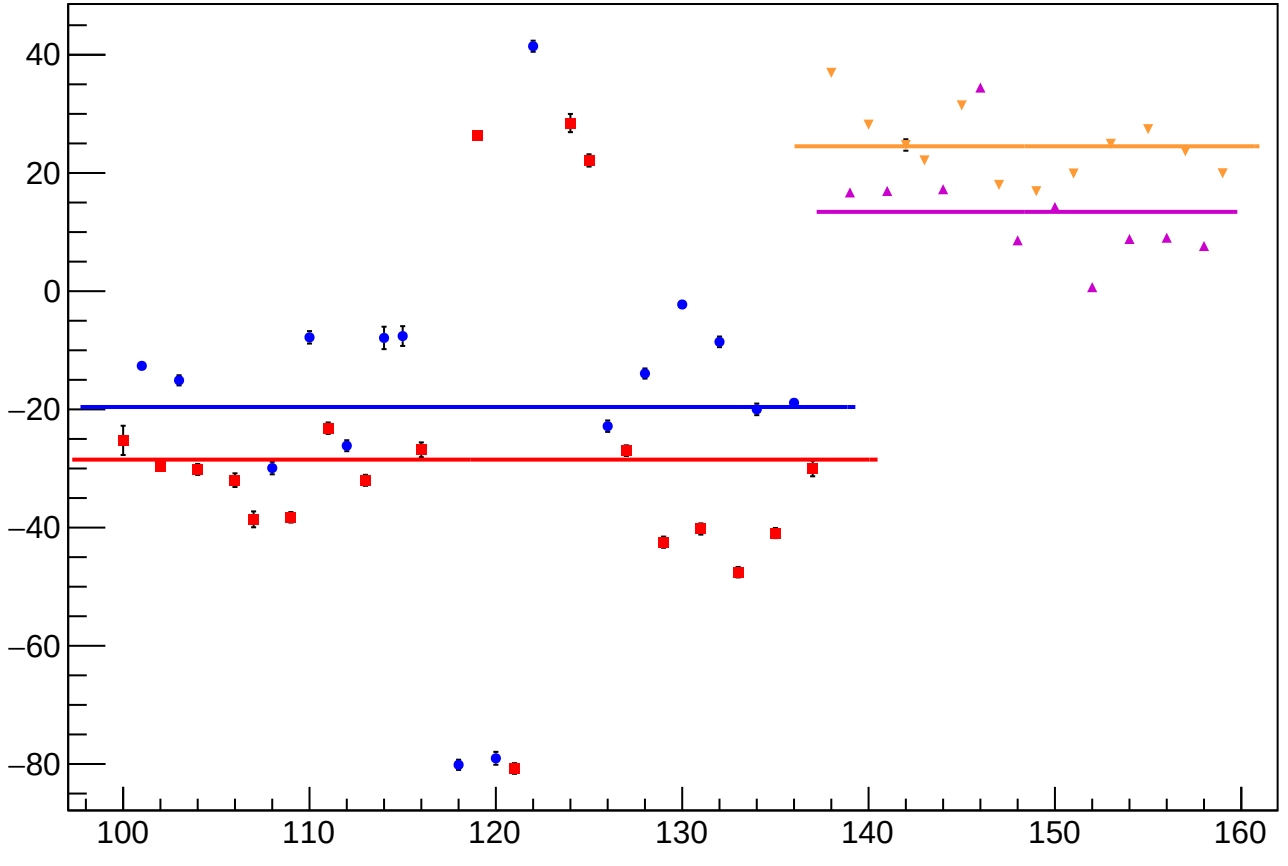
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 912.352+/-0.162 χ^2/NDF:325855.1/25

Out: 897.645+/-0.155 χ^2/NDF:410293.4/30

All: 904.641+/-0.112 χ^2/NDF: 740449.4/56

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.518+/-0.214 χ^2/NDF:710.6/11

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 13.421+/-0.229 χ^2/NDF:1486.1/9

Left: 19.352+/-0.156 χ^2/NDF: 3449.4/21

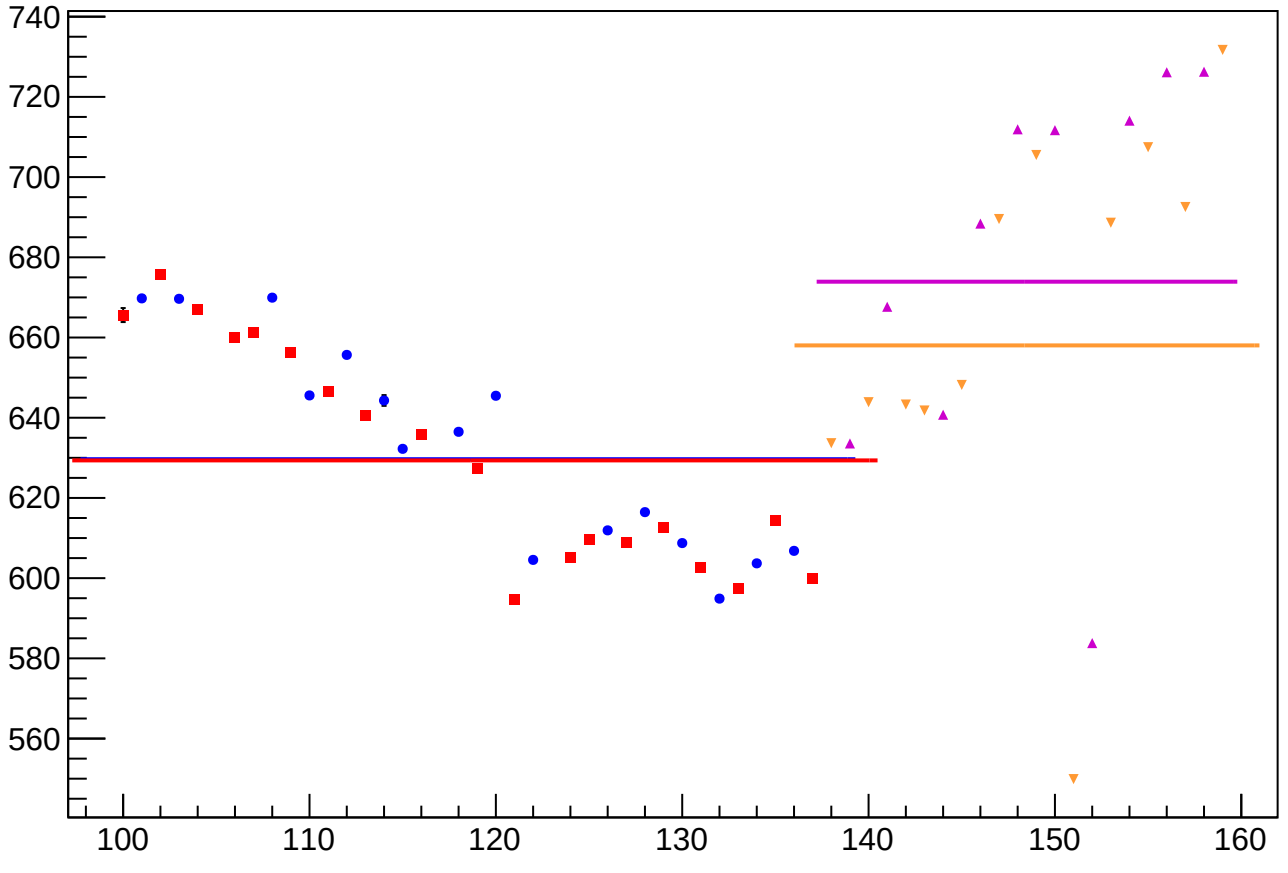
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -2.744+/-0.164 χ^2/NDF:24813.7/25

Out: -0.109+/-0.157 χ^2/NDF:42210.8/30

All: -1.367+/-0.113 χ^2/NDF: 67159.8/56

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 658.034+/-0.151 χ^2/NDF:114056.3/11

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 673.919+/-0.162 χ^2/NDF:85961.2/9

Left: 665.429+/-0.111 χ^2/NDF: 205151.0/21

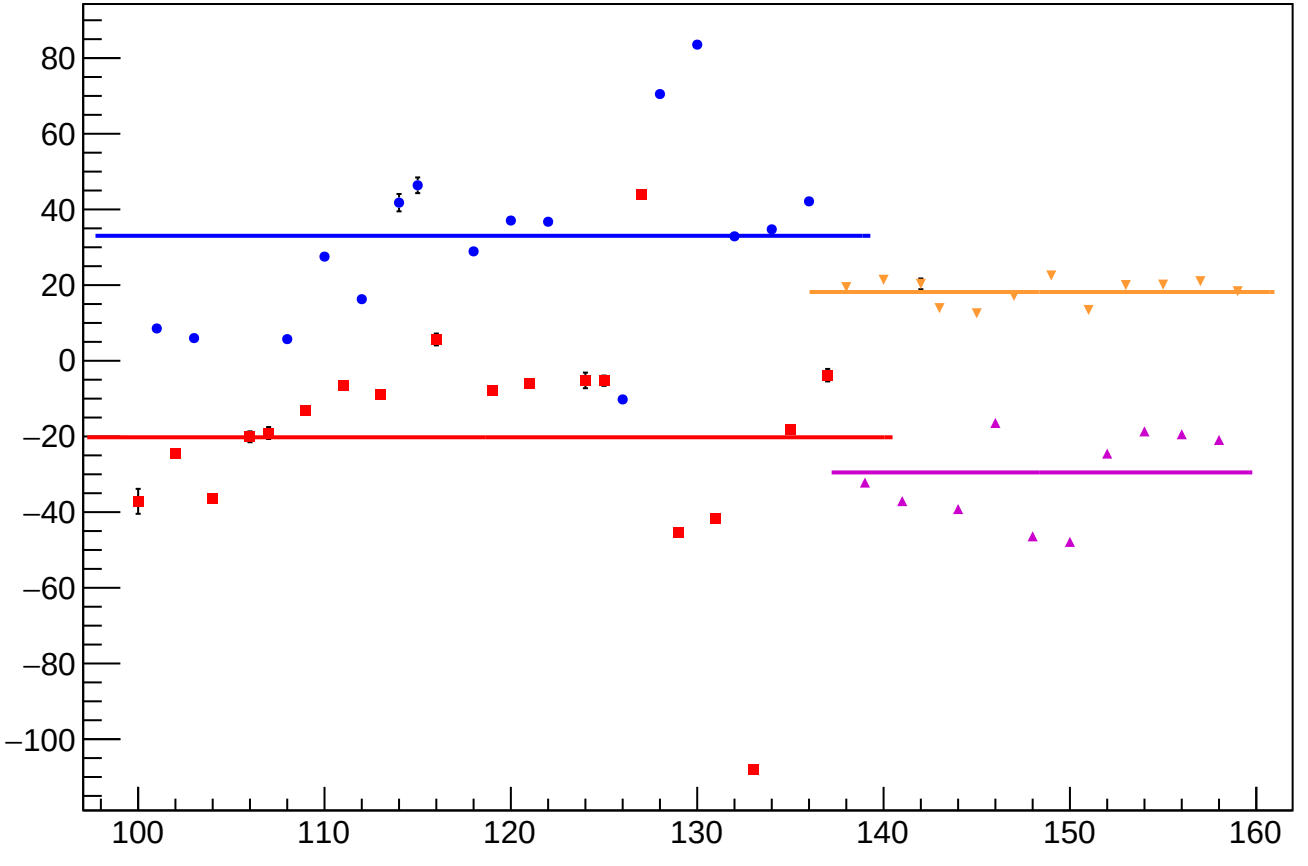
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 652.251+/-0.116 χ^2/NDF:147780.0/25

Out: 644.715+/-0.111 χ^2/NDF:157538.3/30

All: 648.313+/-0.080 χ^2/NDF: 307531.6/56

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.181+/-0.308 χ^2/NDF:112.8/11

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -29.506+/-0.326 χ^2/NDF:1106.0/9

Left: -4.269+/-0.224 χ^2/NDF: 12529.0/21

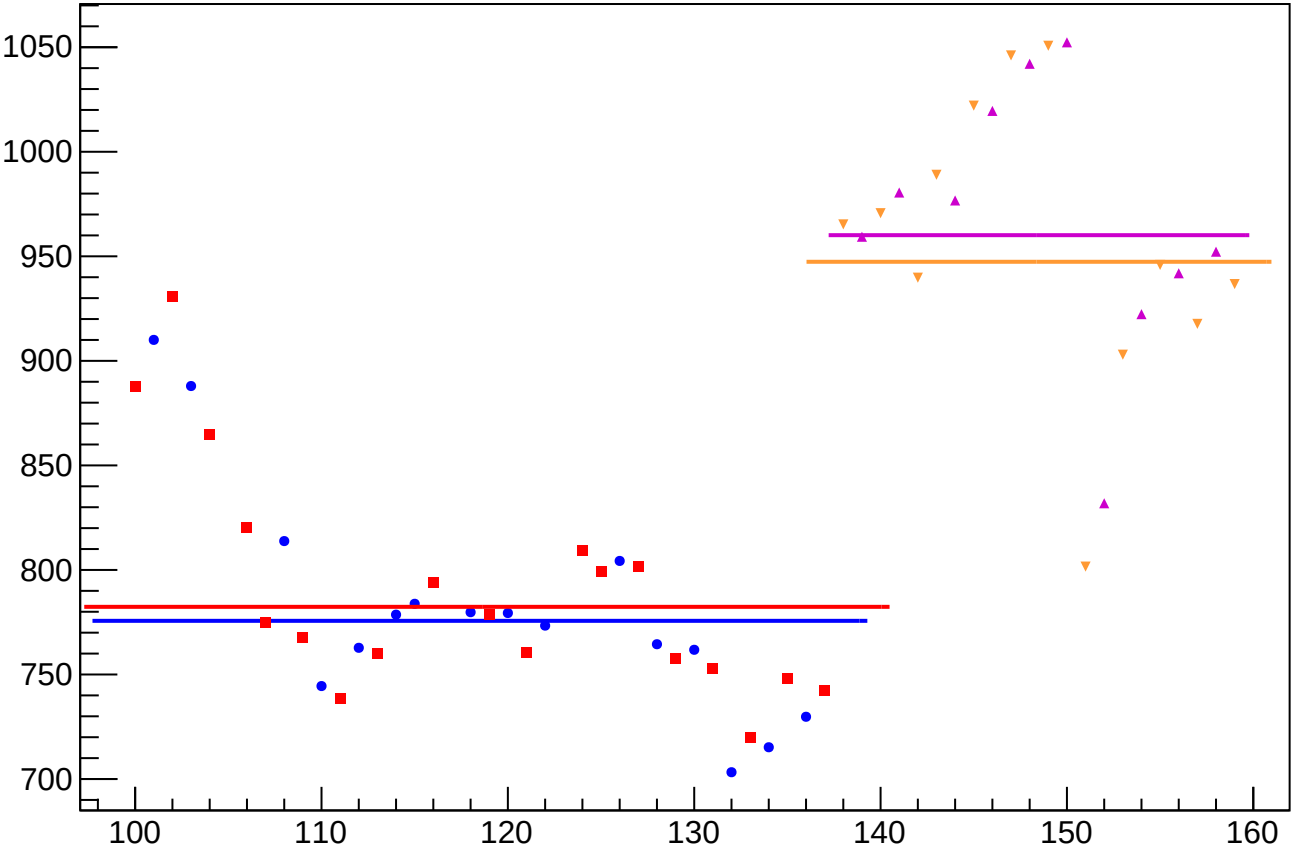
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 5.541+/-0.216 χ^2/NDF:28404.9/25

Out: -2.419+/-0.209 χ^2/NDF:20338.7/30

All: 1.434+/-0.150 χ^2/NDF: 49442.6/56

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 947.388+/-0.218 χ^2/NDF:105775.3/11

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 960.113+/-0.231 χ^2/NDF:76137.8/9

Left: 953.379+/-0.158 χ^2/NDF: 183523.6/21

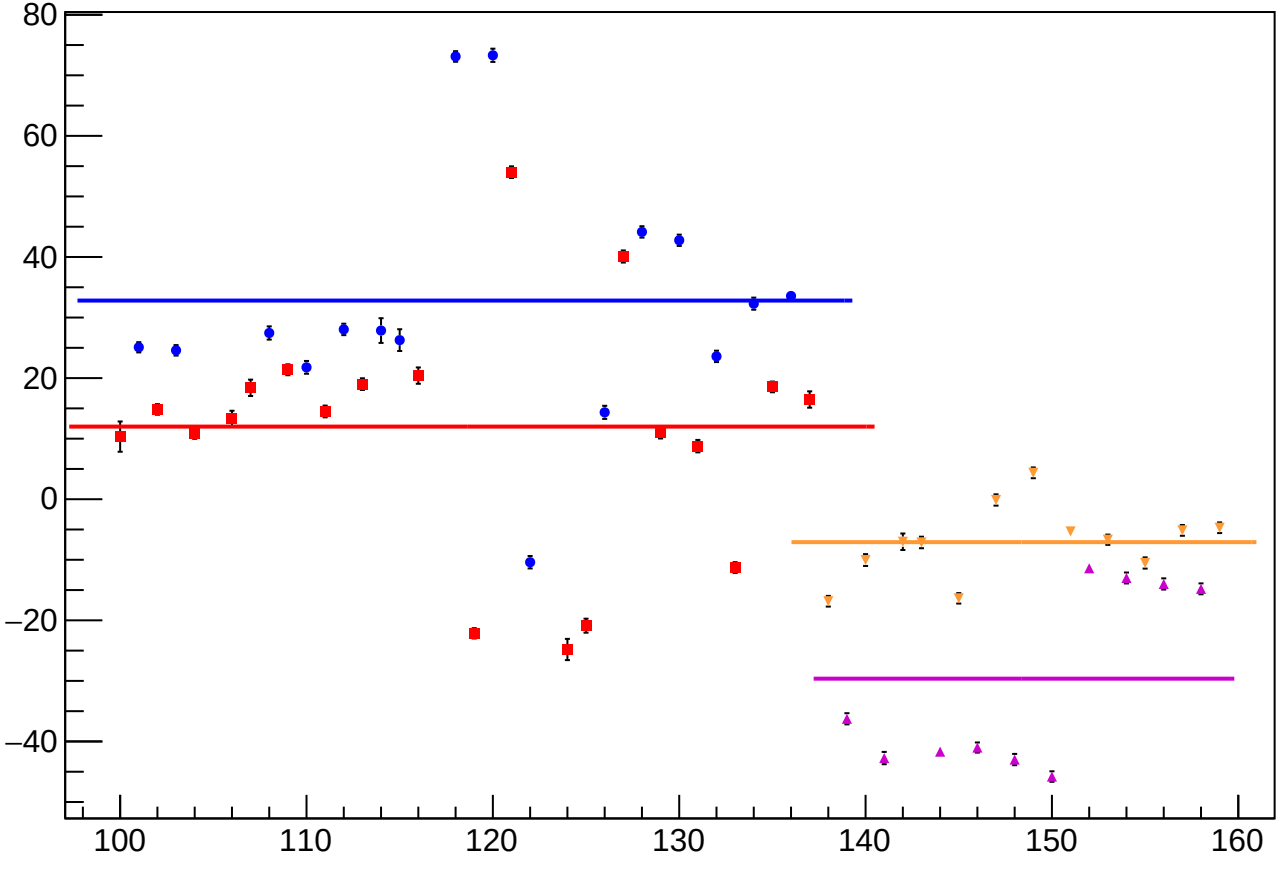
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 856.746+/-0.153 χ^2/NDF:509153.7/25

Out: 858.848+/-0.148 χ^2/NDF:479080.8/30

All: 857.831+/-0.106 χ^2/NDF: 988331.9/56

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.087+/-0.259 χ^2/NDF:499.6/11

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -29.632+/-0.276 χ^2/NDF:2711.8/9

Left: -17.651+/-0.189 χ^2/NDF: 6758.2/21

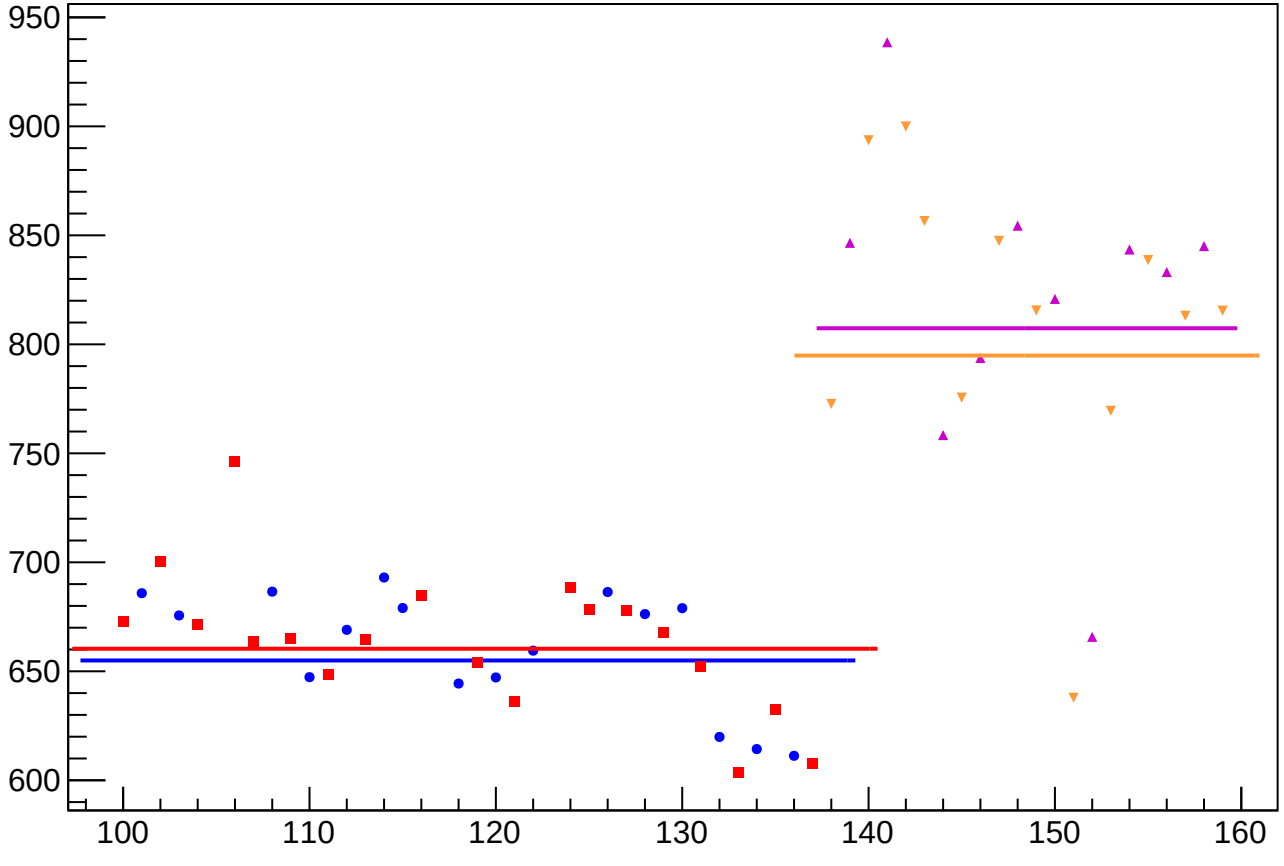
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 5.471+/-0.183 χ^2/NDF:37749.1/25

Out: 3.140+/-0.177 χ^2/NDF:9965.1/30

All: 4.266+/-0.127 χ^2/NDF: 47798.4/56

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 794.851+/-0.183 χ^2/NDF:160980.8/11

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 807.373+/-0.195 χ^2/NDF:135351.6/9

Left: 800.719+/-0.134 χ^2/NDF: 298520.5/21

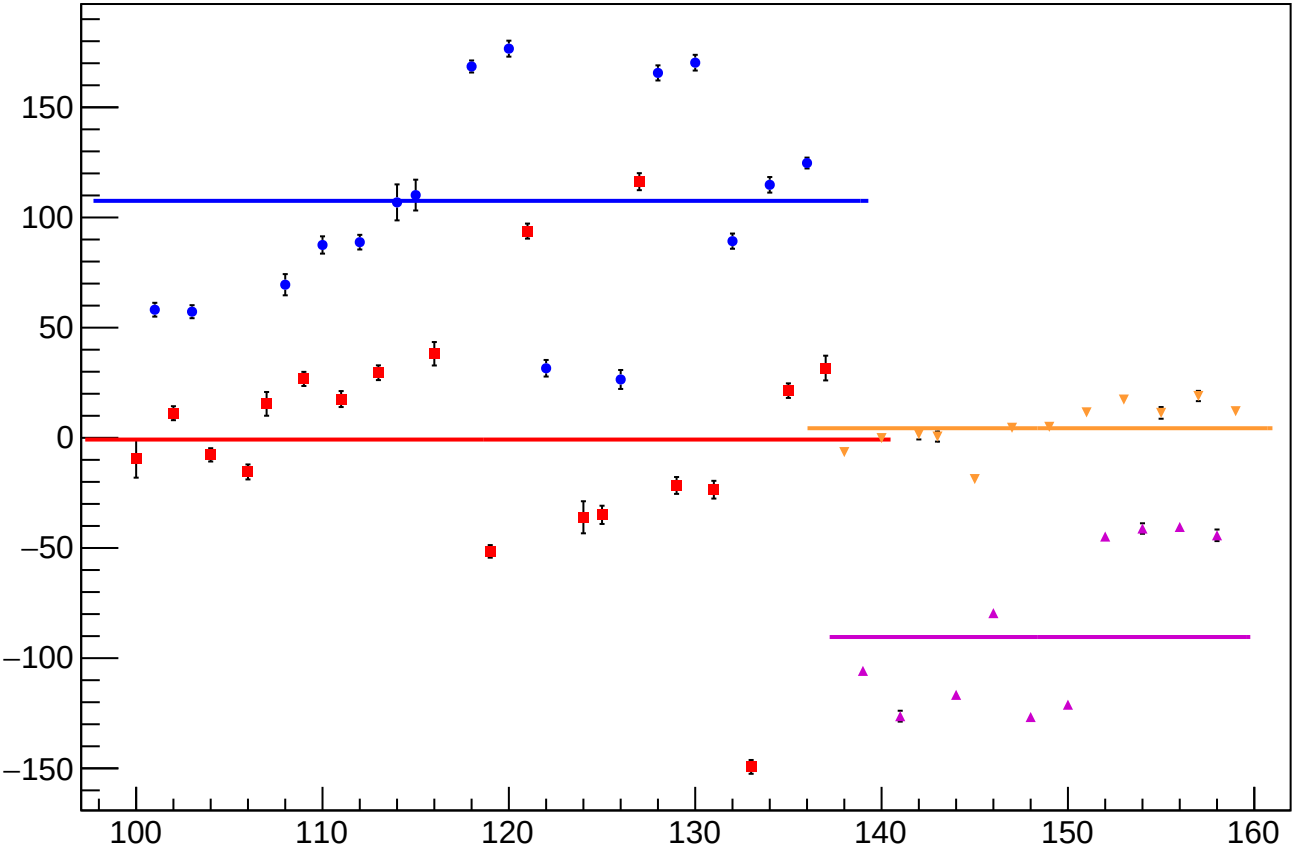
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 721.688+/-0.129 χ^2/NDF:505026.8/25

Out: 722.766+/-0.125 χ^2/NDF:480142.9/30

All: 722.245+/-0.090 χ^2/NDF: 985205.7/56

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.352+/-0.604 χ^2/NDF:276.6/11

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -90.402+/-0.632 χ^2/NDF:2961.6/9

Left: -40.837+/-0.437 χ^2/NDF: 14990.2/21

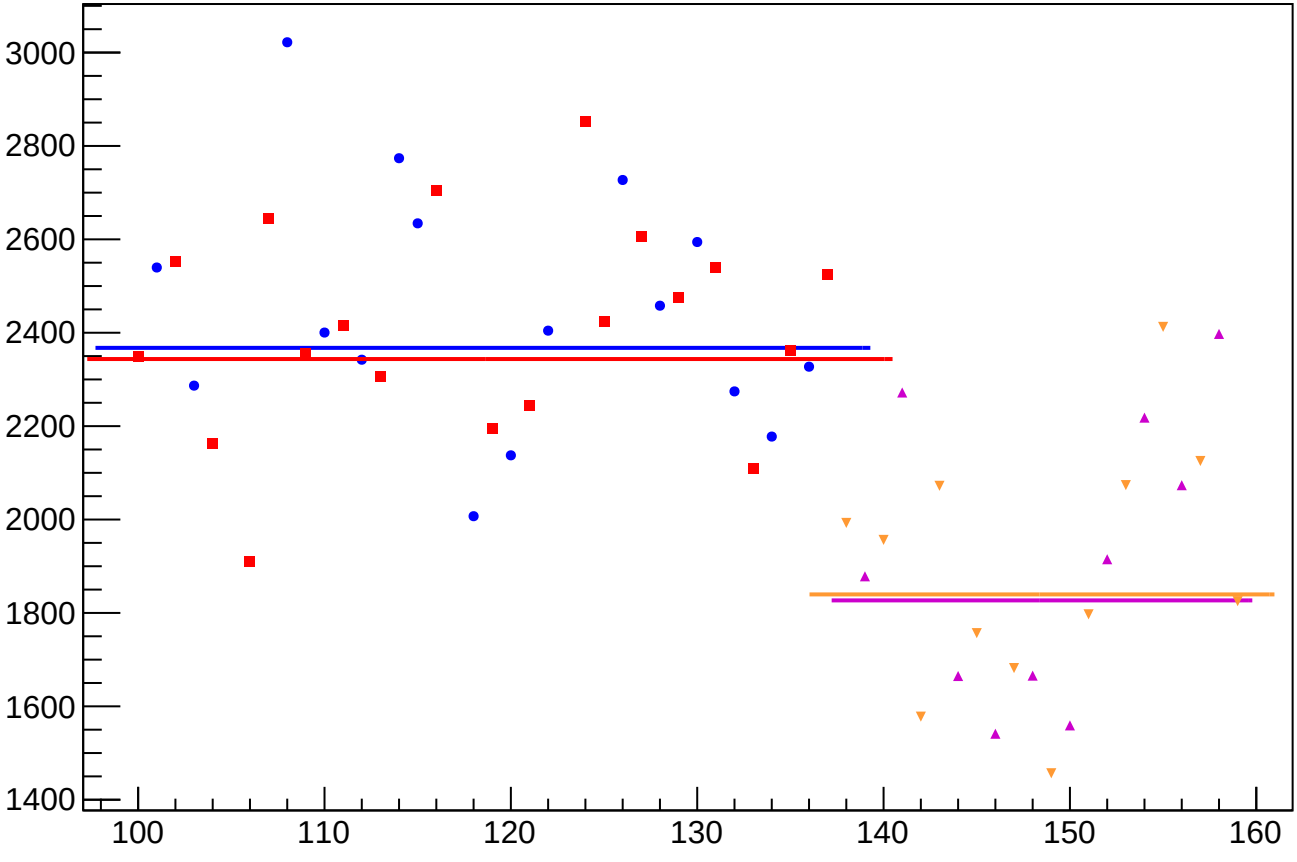
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.558+/-0.514 χ^2/NDF:39027.5/25

Out: 2.658+/-0.494 χ^2/NDF:5064.4/30

All: -9.924+/-0.356 χ^2/NDF: 45442.3/56

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1839.668+/-0.427 χ^2/NDF:337634.3/11

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1826.853+/-0.447 χ^2/NDF:387859.8/9

Left: 1833.557+/-0.309 χ^2/NDF: 725923.9/21

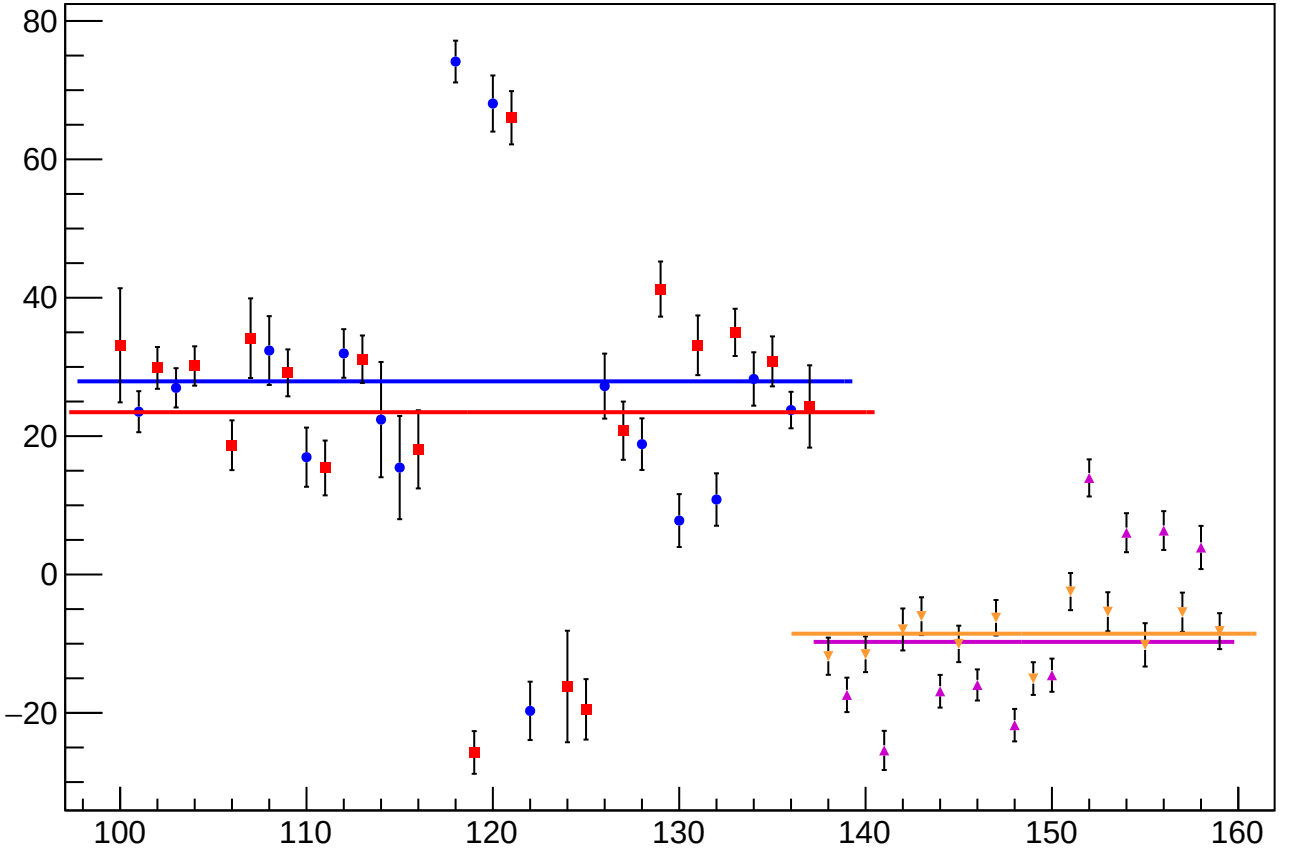
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2009.465+/-0.364 χ^2/NDF:1008842.2/25

Out: 2005.809+/-0.349 χ^2/NDF:909581.2/30

All: 2007.564+/-0.252 χ^2/NDF: 1918475.9/56

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.551+/-0.780 χ^2/NDF:20.2/11

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -9.740+/-0.813 χ^2/NDF:248.7/9

Left: -9.121+/-0.563 χ^2/NDF: 270.1/21

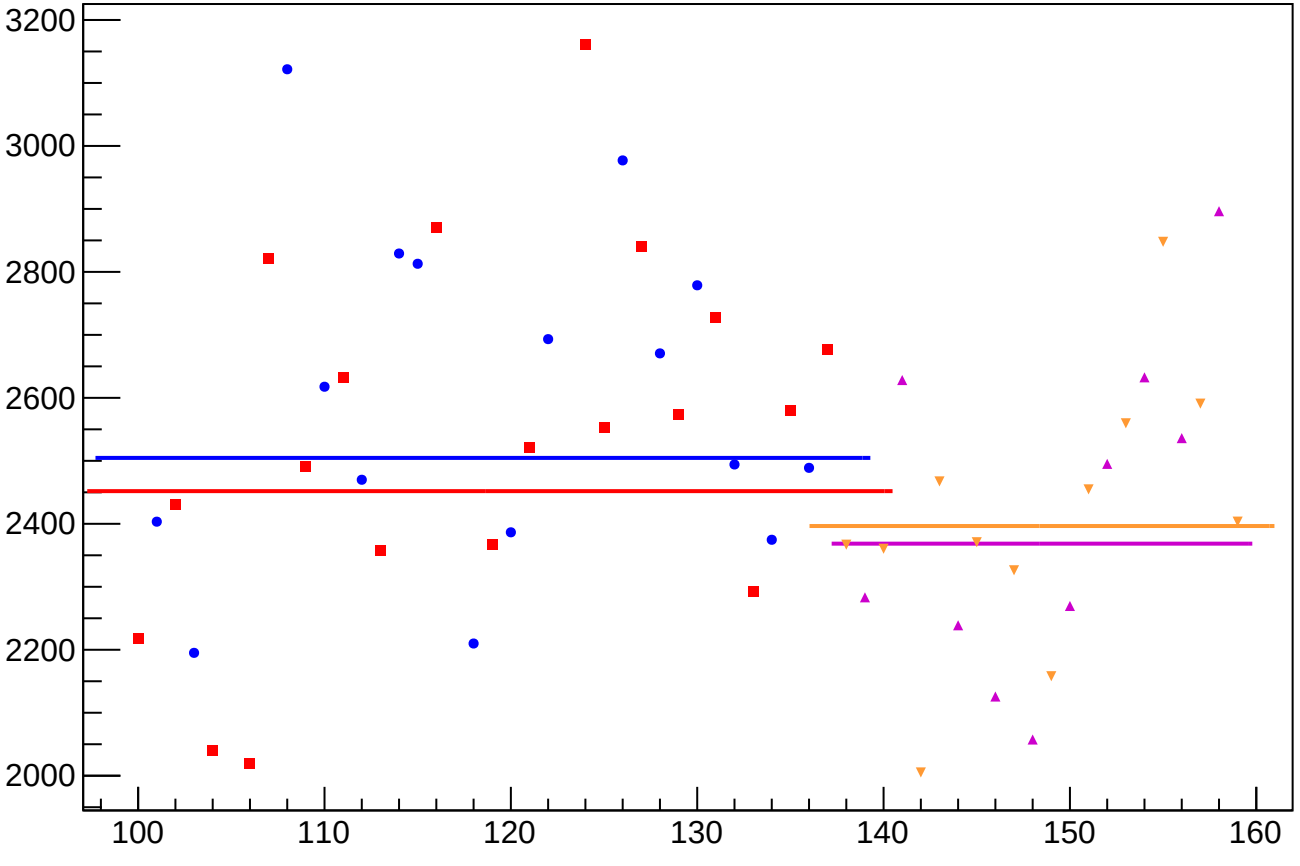
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.435+/-0.614 χ^2/NDF:1701.2/25

Out: 5.123+/-0.590 χ^2/NDF:1308.4/30

All: 5.753+/-0.425 χ^2/NDF: 3012.0/56

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2396.481+/-0.551 χ^2/NDF:115900.7/11

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2368.487+/-0.575 χ^2/NDF:173382.8/9

Left: 2383.070+/-0.398 χ^2/NDF: 290519.1/21

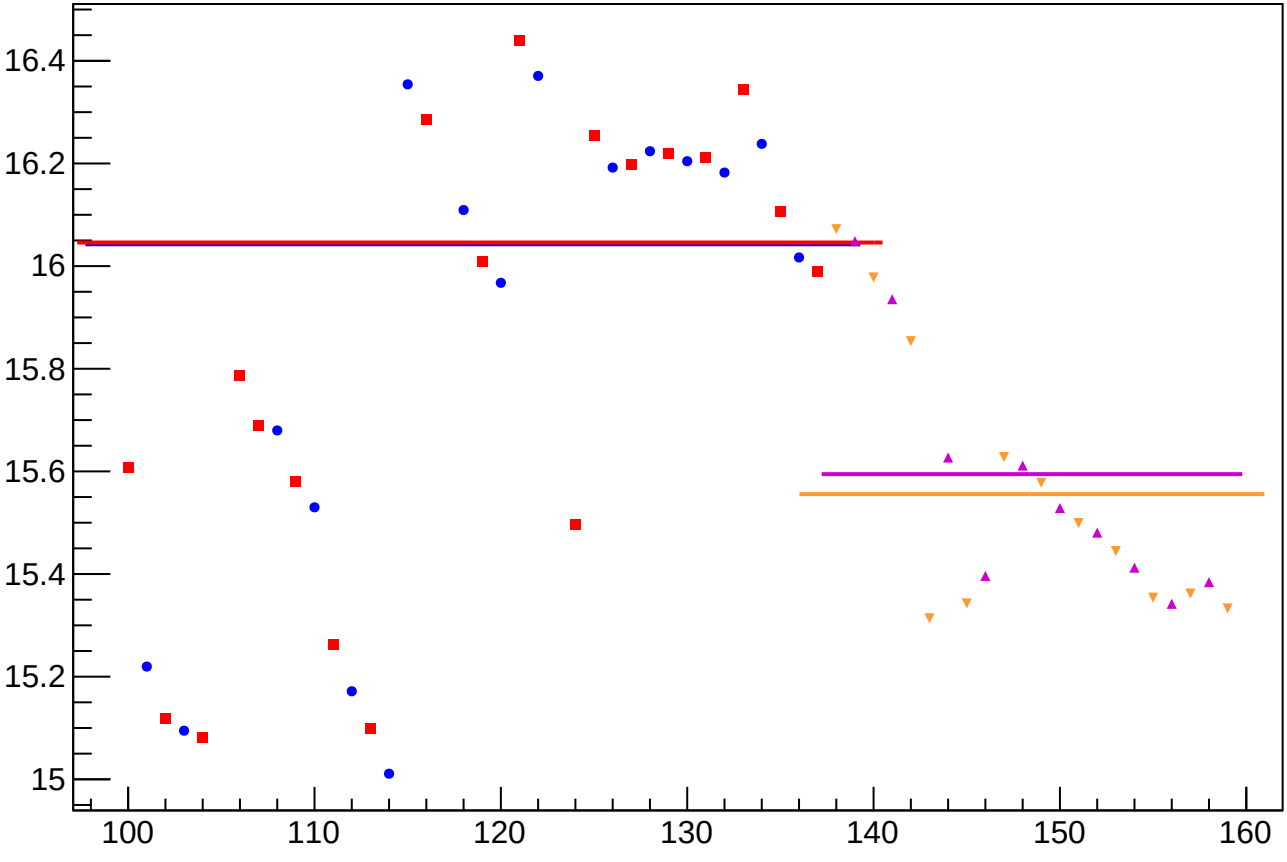
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2426.976+/-0.434 χ^2/NDF:324088.7/25

Out: 2420.149+/-0.417 χ^2/NDF:273453.0/30

All: 2423.427+/-0.301 χ^2/NDF: 597670.2/56

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.556+/-0.000 χ^2/NDF:5684566101.4/11

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.595+/-0.000 χ^2/NDF:3668860775.5/9

Left: 15.574+/-0.000 χ^2/NDF: 9406378248.8/21

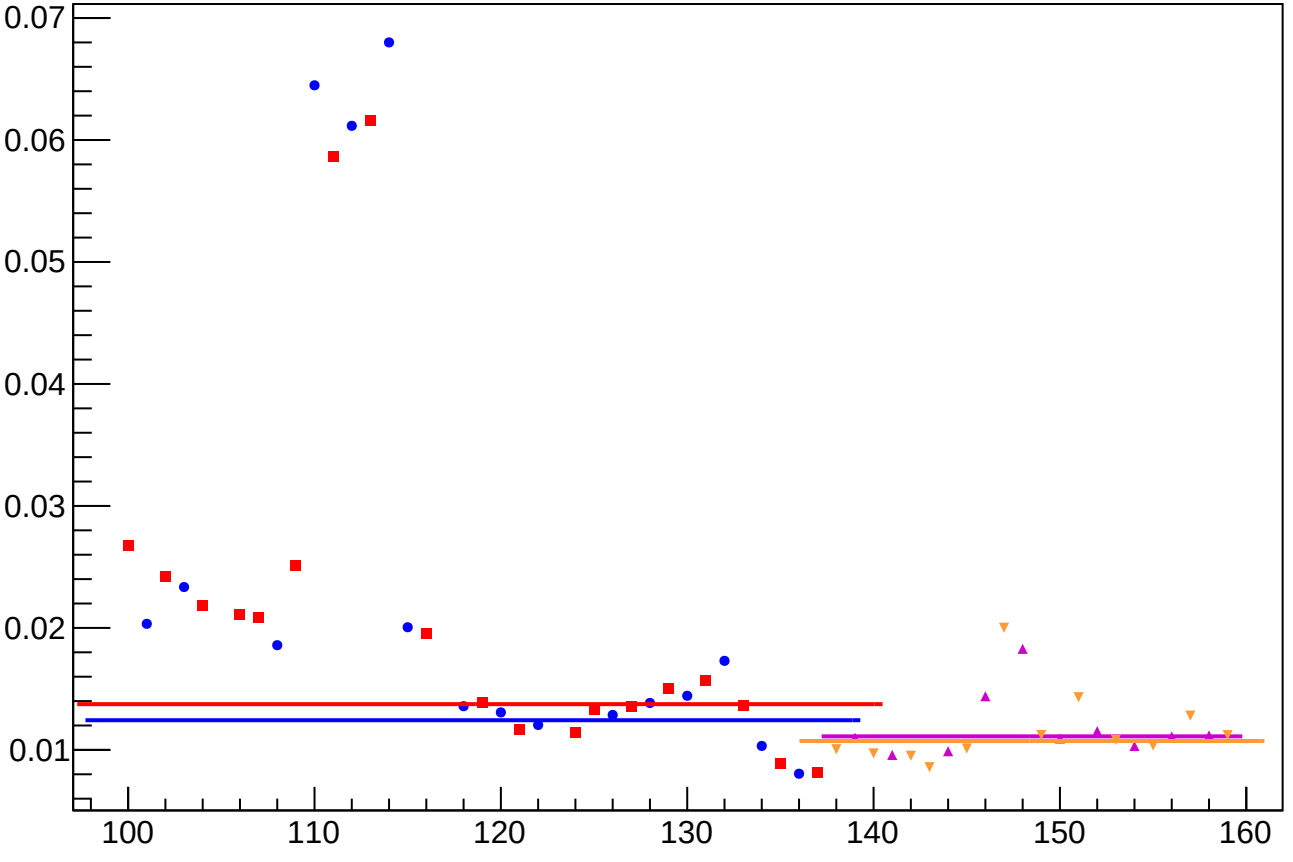
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.753+/-0.000 χ^2/NDF:11130370042.7/25

Out: 15.695+/-0.000 χ^2/NDF:14410218055.7/30

All: 15.723+/-0.000 χ^2/NDF: 25712719433.1

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:630131.4/11

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:408175.8/9

Left: 0.011+/-0.000 χ^2/NDF: 1048490.6/21

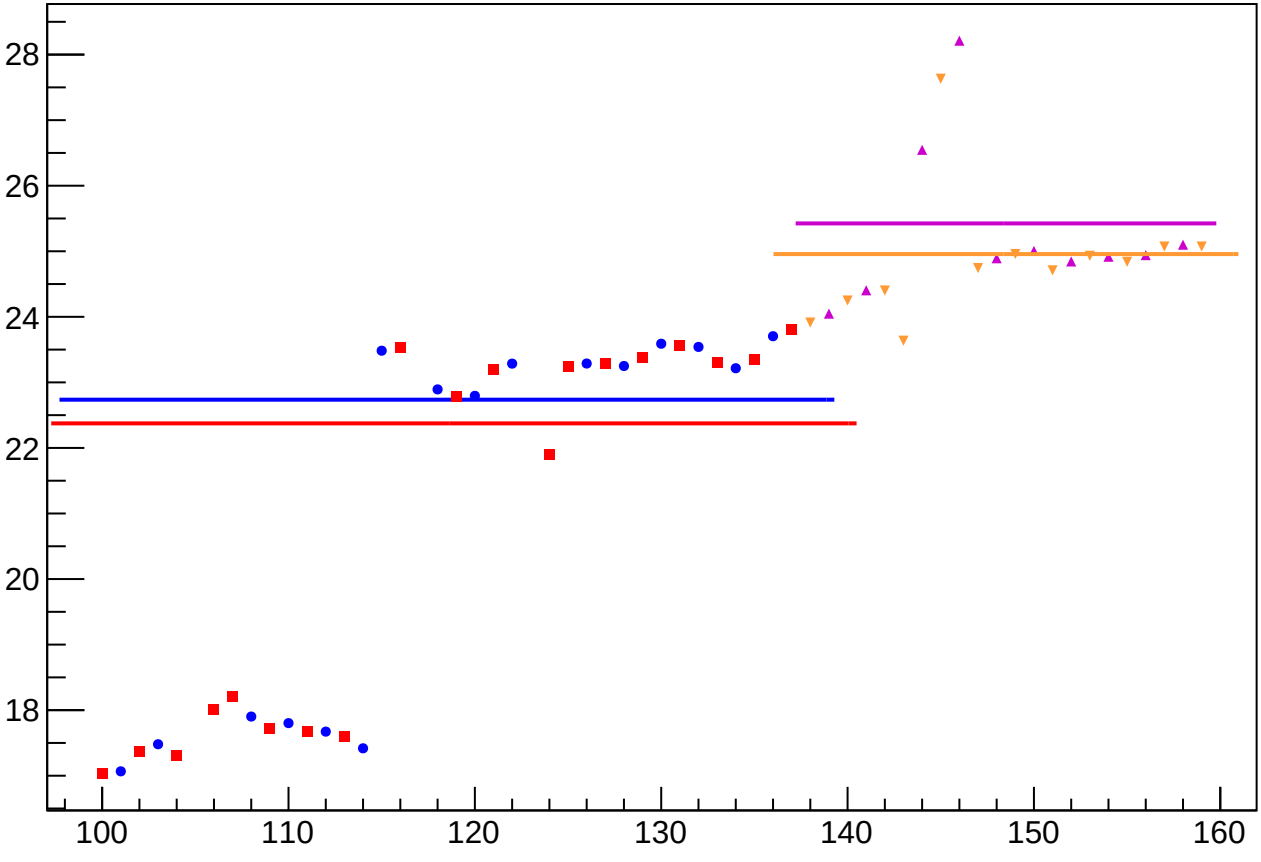
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2805565.2/25

Out: 0.012+/-0.000 χ^2/NDF:3253863.4/30

All: 0.012+/-0.000 χ^2/NDF: 6059440.5/56

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.957+/-0.000 χ^2/NDF:764440611.6/11

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.425+/-0.000 χ^2/NDF:679286627.4/9

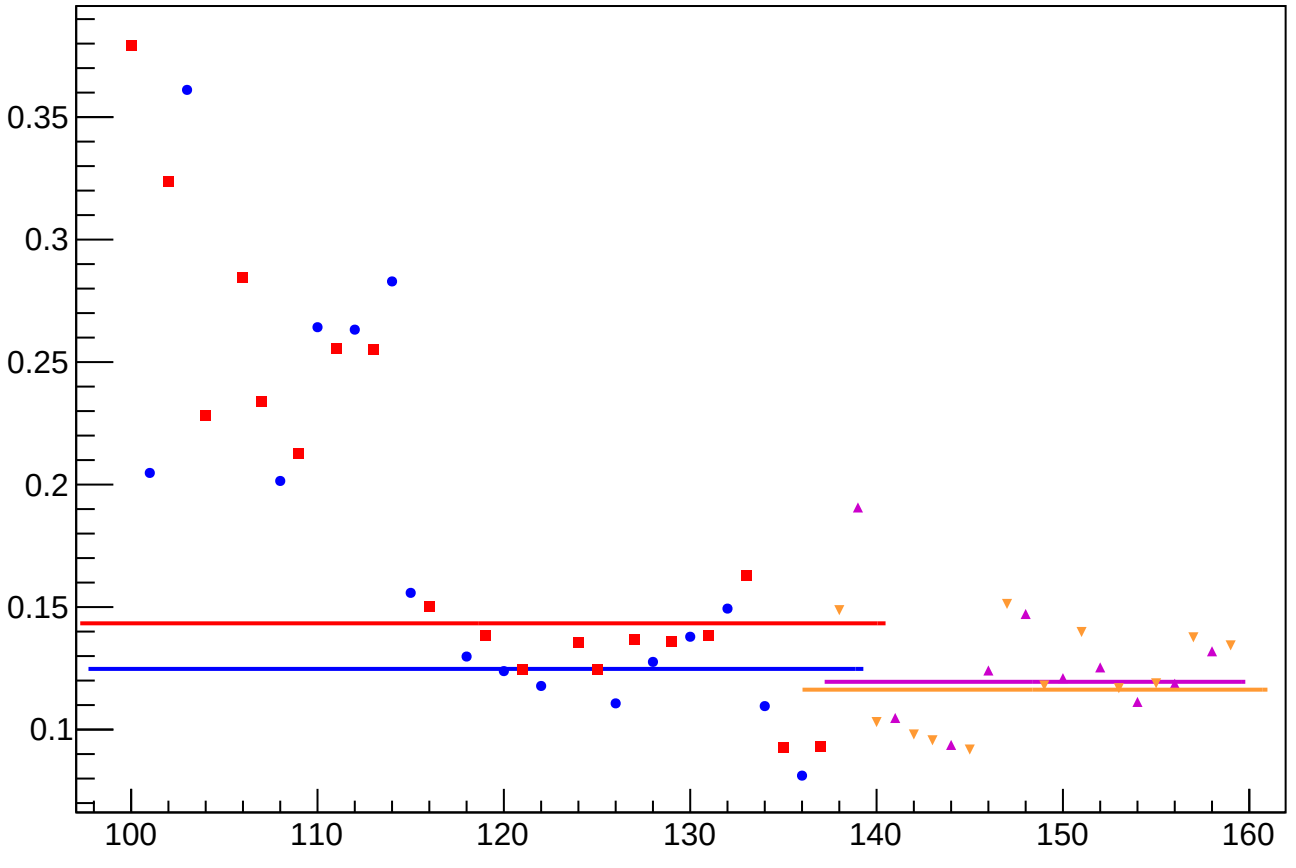
Left: 25.176+/-0.000 χ^2/NDF: 1503906577.0/21

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.352+/-0.000 χ^2/NDF:3392369480.6/25

Out: 24.125+/-0.000 χ^2/NDF:3243496603.2/30

All: 24.238+/-0.000 χ^2/NDF: 6658065553.3/5



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.116+/-0.000 χ^2/NDF:453447.7/11

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.119+/-0.000 χ^2/NDF:456638.5/9

Left: 0.118+/-0.000 χ^2/NDF: 915751.0/21

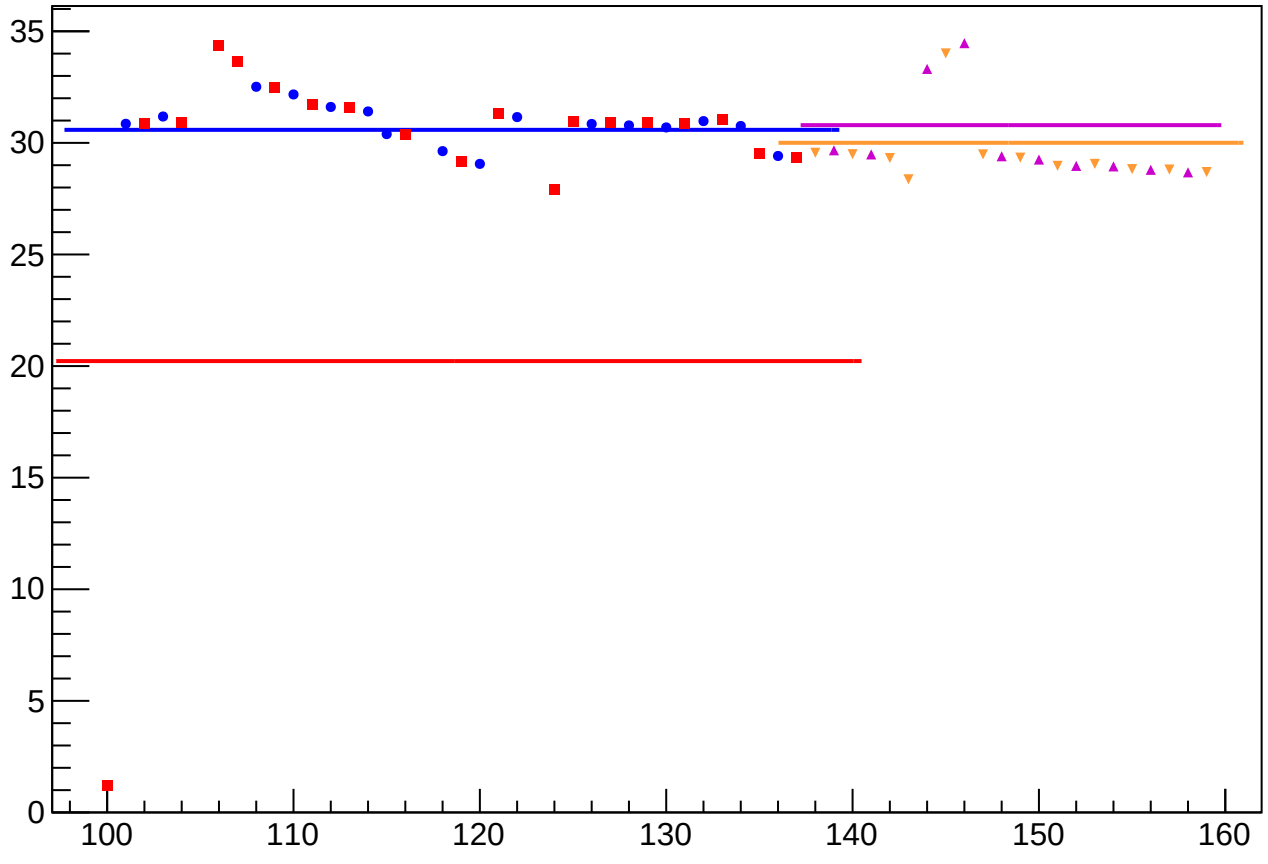
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2217909.4/25

Out: 0.125+/-0.000 χ^2/NDF:2301424.4/30

All: 0.123+/-0.000 χ^2/NDF: 4529417.4/56

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.004+/-0.000 χ^2/NDF:5724192947.7/11

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.795+/-0.000 χ^2/NDF:7815056384.5/9

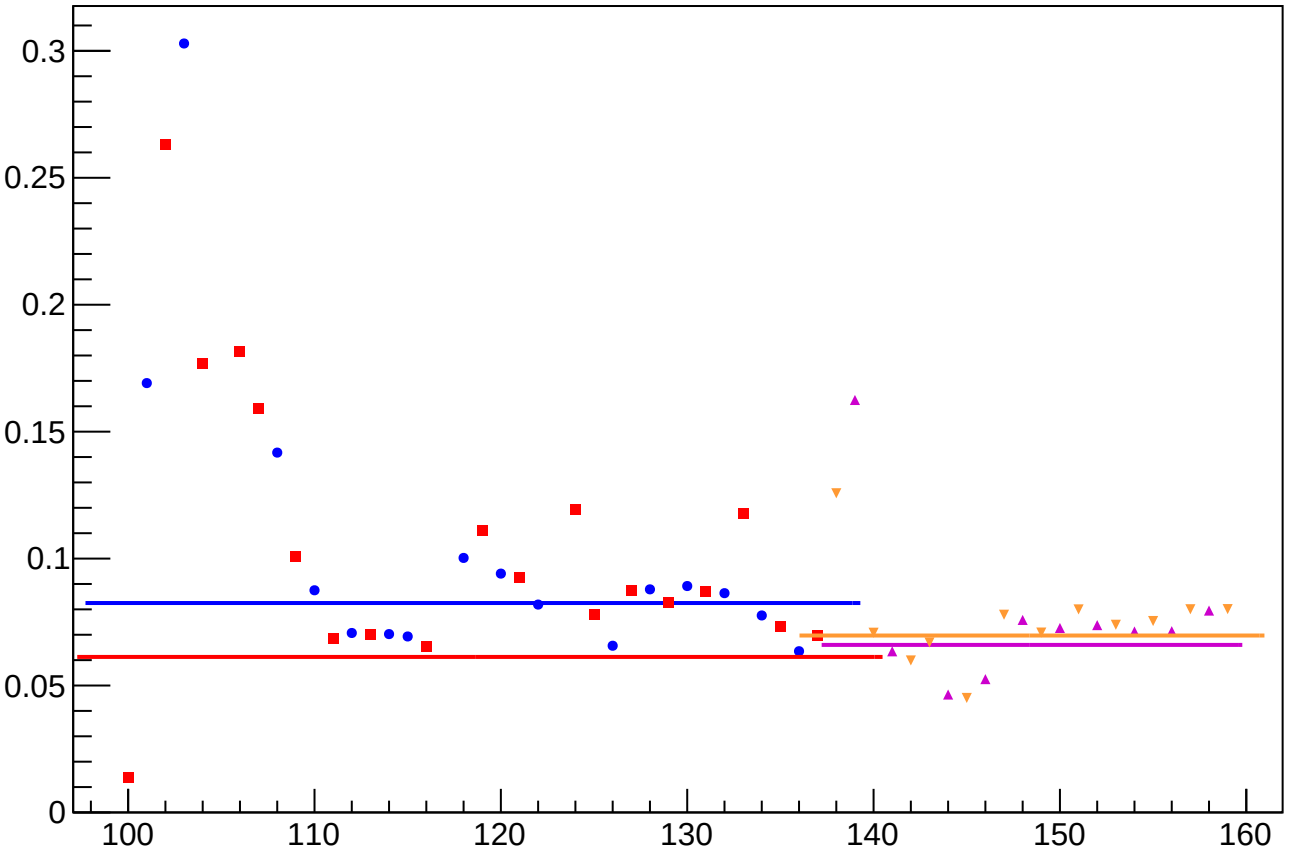
Left: 30.401+/-0.000 χ^2/NDF: 13994978847.9/21

Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.722+/-0.000 χ^2/NDF:8489698853.3/25

Out: 25.814+/-0.000 χ^2/NDF:286479197467.7/30

All: 28.112+/-0.000 χ^2/NDF: 323612267226.



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.070+/-0.000 χ^2/NDF:711740.9/11

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.066+/-0.000 χ^2/NDF:996288.0/9

Left: 0.068+/-0.000 χ^2/NDF: 1727963.1/21

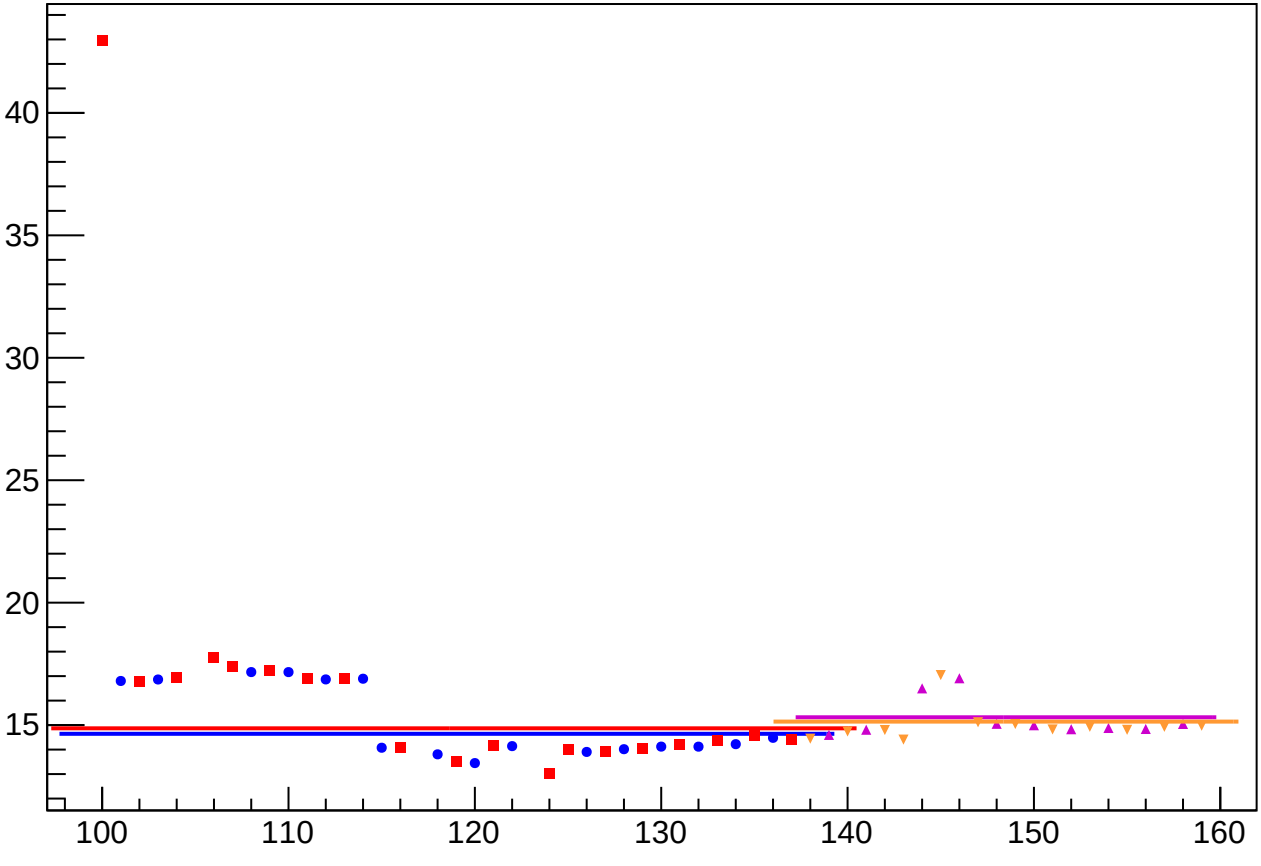
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.072+/-0.000 χ^2/NDF:2533313.6/25

Out: 0.066+/-0.000 χ^2/NDF:4814524.3/30

All: 0.069+/-0.000 χ^2/NDF: 7423066.5/56

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.143+/-0.000 χ^2/NDF:996198533.6/11

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.319+/-0.000 χ^2/NDF:871785673.7/9

Left: 15.227+/-0.000 χ^2/NDF: 1892207036.4/21

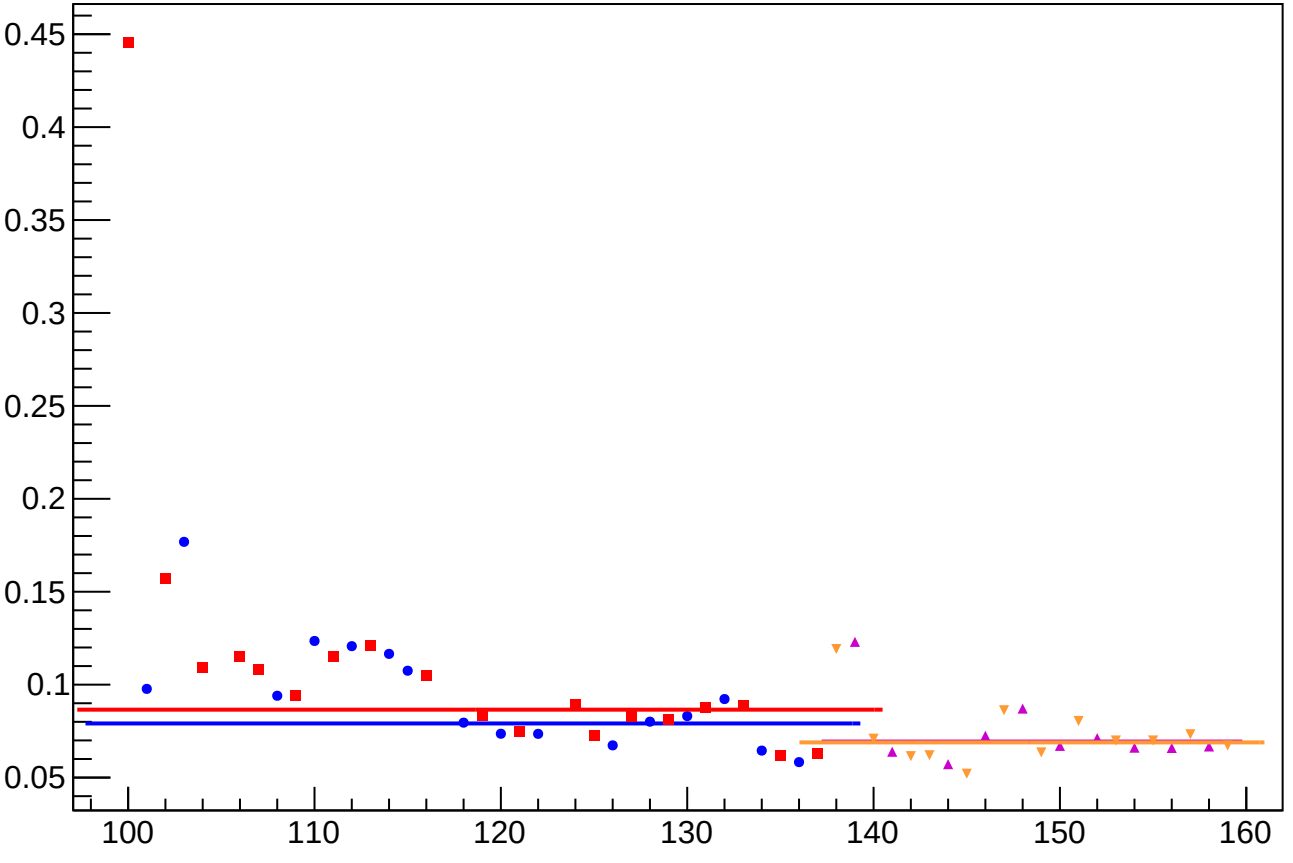
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.060+/-0.000 χ^2/NDF:2328609540.1/25

Out: 15.051+/-0.000 χ^2/NDF:2767512295.6/30

All: 15.055+/-0.000 χ^2/NDF: 5096210777.2/5

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:515943.4/11

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:461659.4/9

Left: 0.069+/-0.000 χ^2/NDF: 977924.6/21

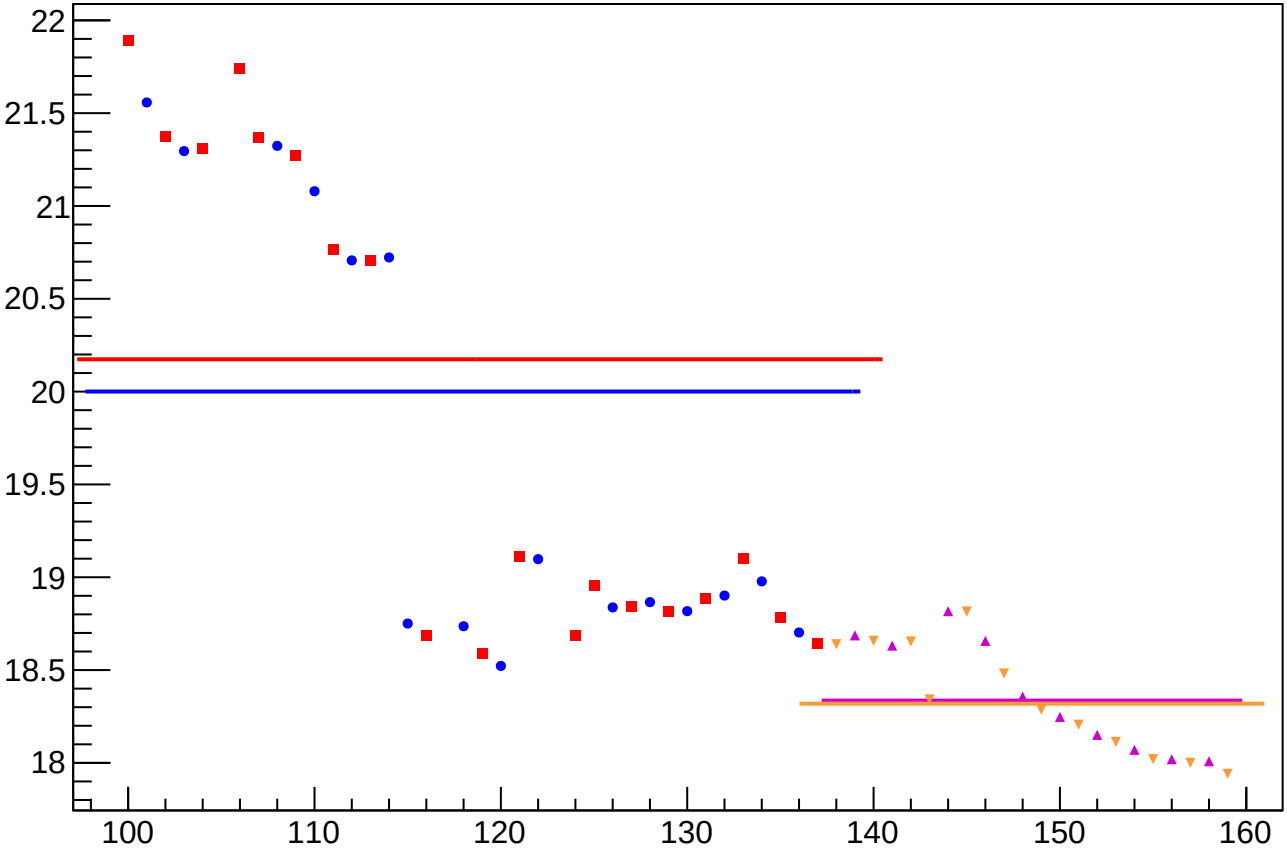
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.073+/-0.000 χ^2/NDF:1489620.0/25

Out: 0.075+/-0.000 χ^2/NDF:1648462.4/30

All: 0.074+/-0.000 χ^2/NDF: 3145070.1/56

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.319+/-0.000 χ^2/NDF:739680028.7/11

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.336+/-0.000 χ^2/NDF:702936820.9/9

Left: 18.327+/-0.000 χ^2/NDF: 1443758445.0/21

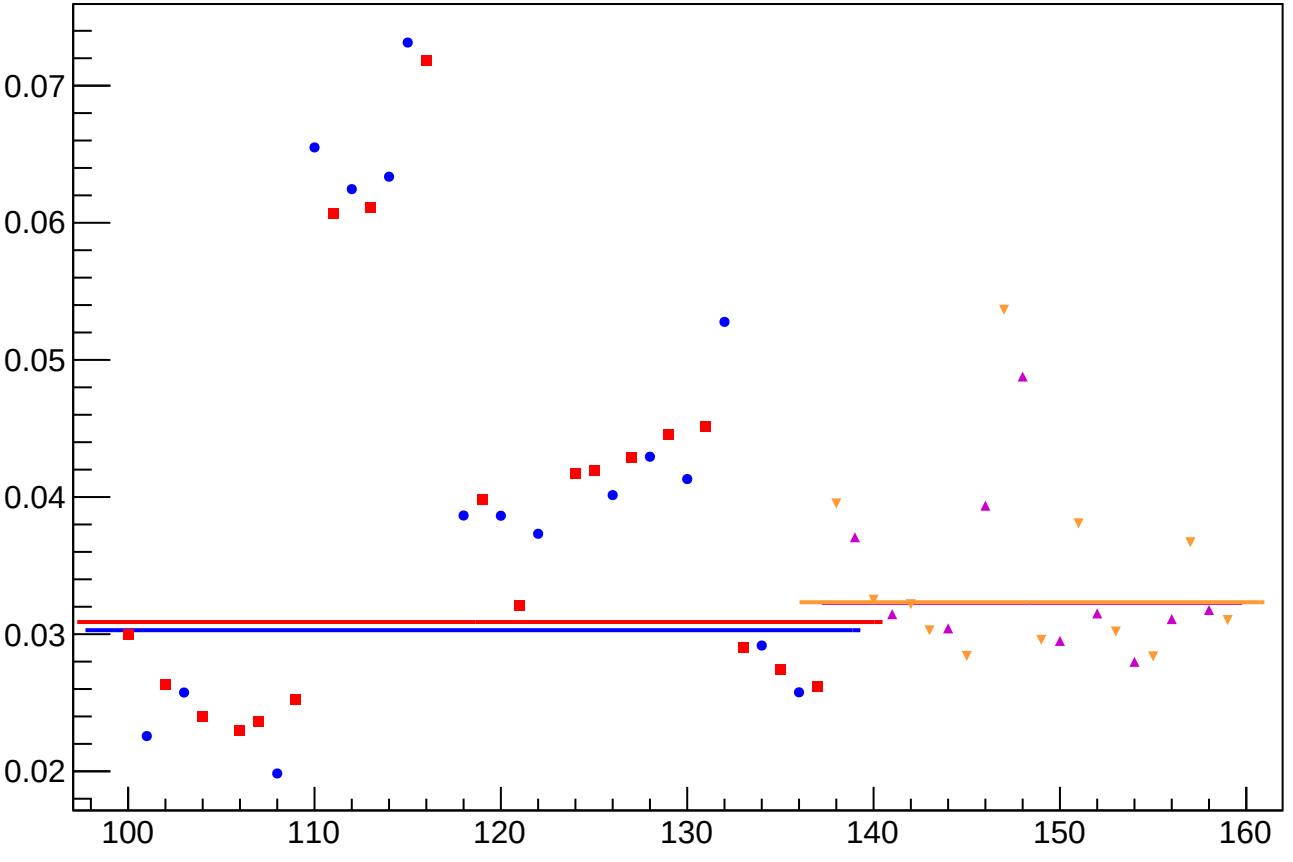
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.089+/-0.000 χ^2/NDF:21443495090.6/25

Out: 19.124+/-0.000 χ^2/NDF:23866024483.7/30

All: 19.107+/-0.000 χ^2/NDF: 45318529099.5

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:452250.8/11

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:328529.4/9

Left: 0.032+/-0.000 χ^2/NDF: 780804.1/21

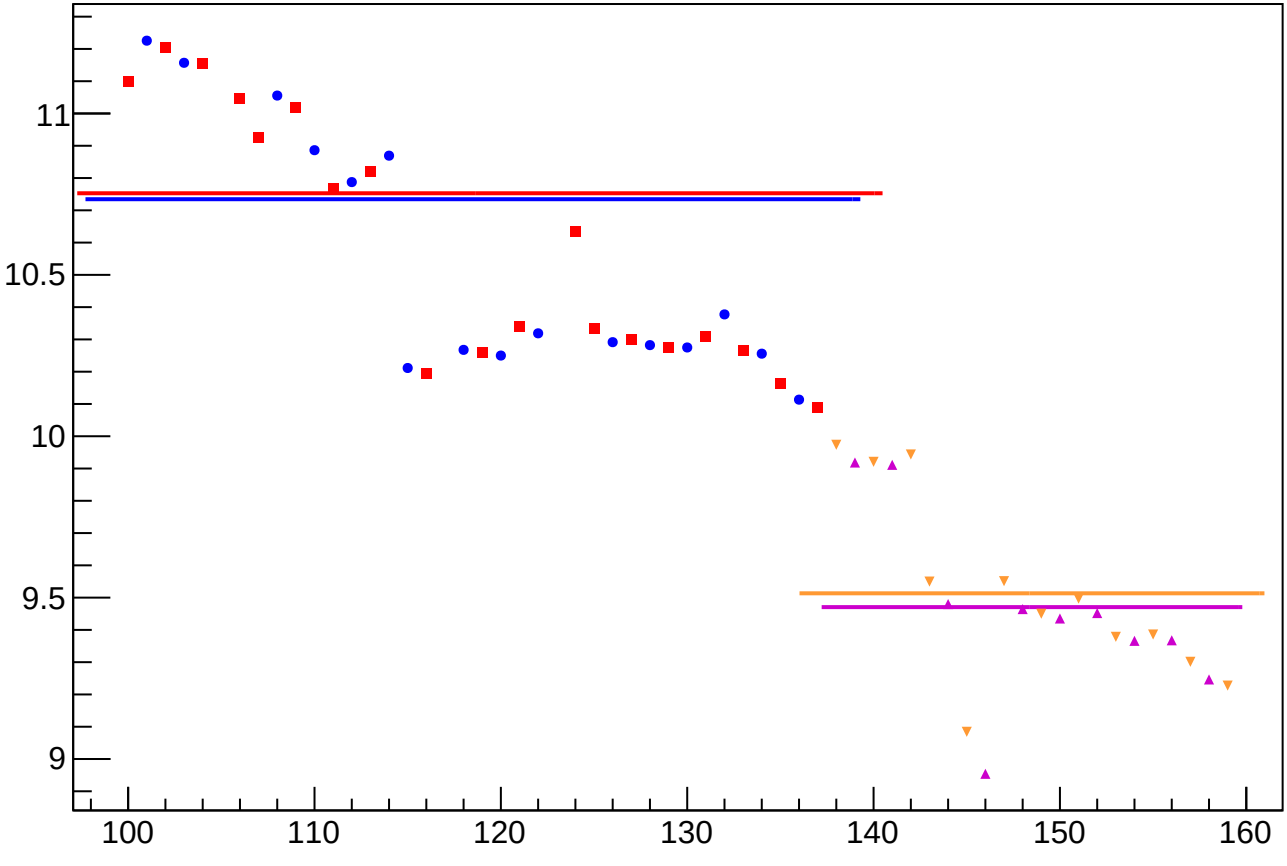
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1803952.1/25

Out: 0.032+/-0.000 χ^2/NDF:1672349.9/30

All: 0.032+/-0.000 χ^2/NDF: 3477865.7/56

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.513+/-0.000 χ^2/NDF:1570787972.1/11

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.471+/-0.000 χ^2/NDF:1168253881.9/9

Left: 9.493+/-0.000 χ^2/NDF: 2757362393.0/21

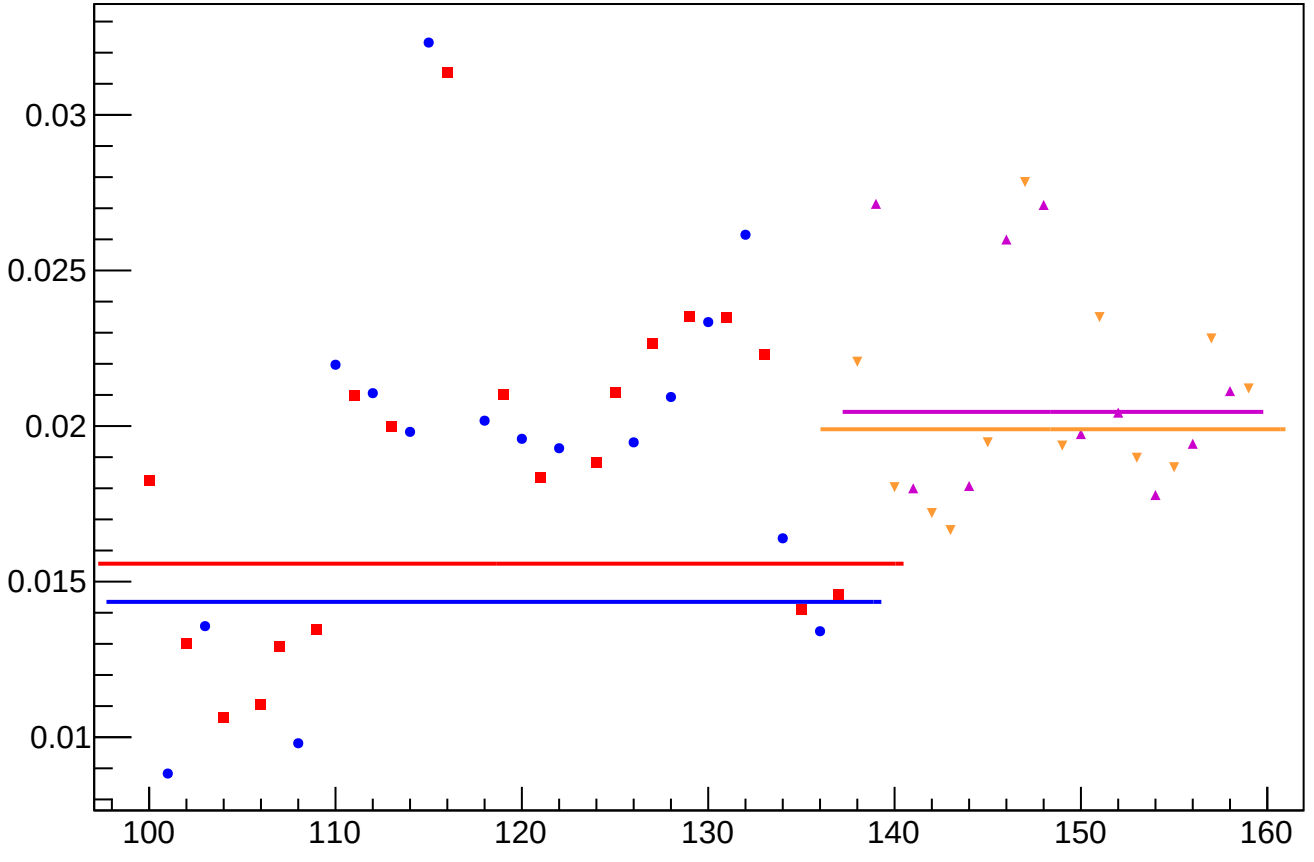
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.224+/-0.000 χ^2/NDF:24874015922.5/25

Out: 10.185+/-0.000 χ^2/NDF:23853584149.7/30

All: 10.204+/-0.000 χ^2/NDF: 48761544761.8

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:312416.0/11

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:371551.0/9

Left: 0.020+/-0.000 χ^2/NDF: 690204.1/21

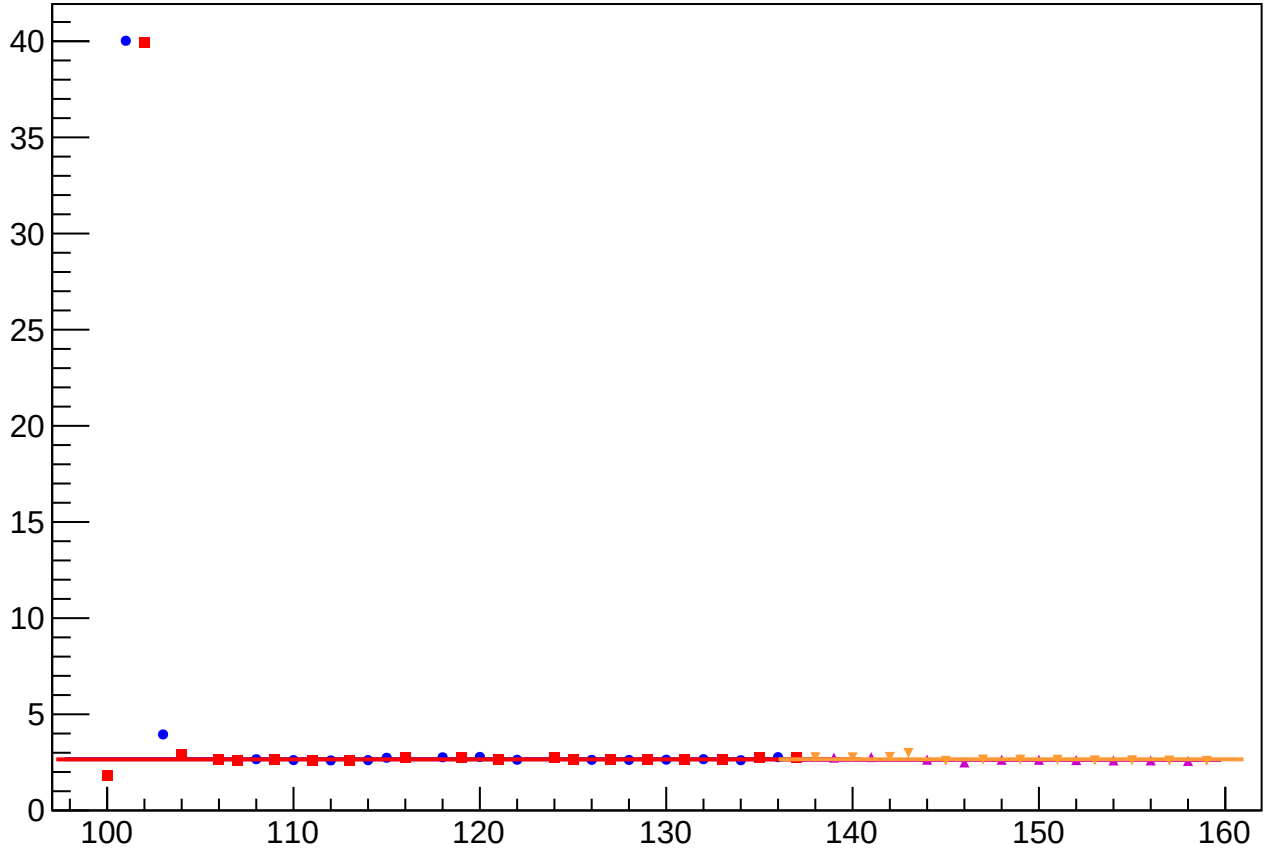
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2685487.2/25

Out: 0.018+/-0.000 χ^2/NDF:1820313.9/30

All: 0.017+/-0.000 χ^2/NDF: 4531174.5/56

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.660+/-0.000 χ^2/NDF:17877250856.5/11

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.623+/-0.000 χ^2/NDF:7914118182.0/9

Left: 2.642+/-0.000 χ^2/NDF: 26717510407.2/21

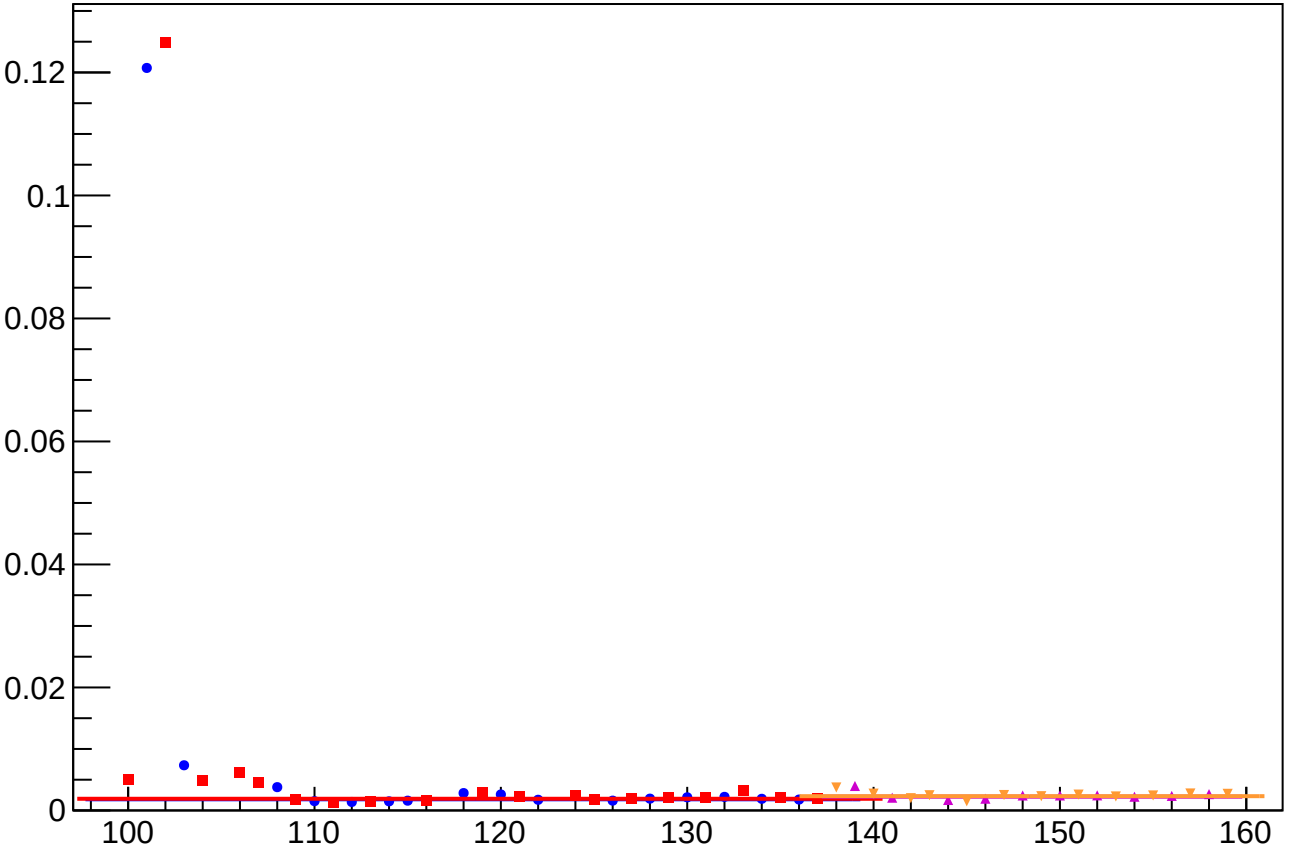
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.644+/-0.000 χ^2/NDF:76906145987.7/25

Out: 2.658+/-0.000 χ^2/NDF:82942173811.8/30

All: 2.651+/-0.000 χ^2/NDF: 160131937029.5

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:733516.4/11

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:566292.3/9

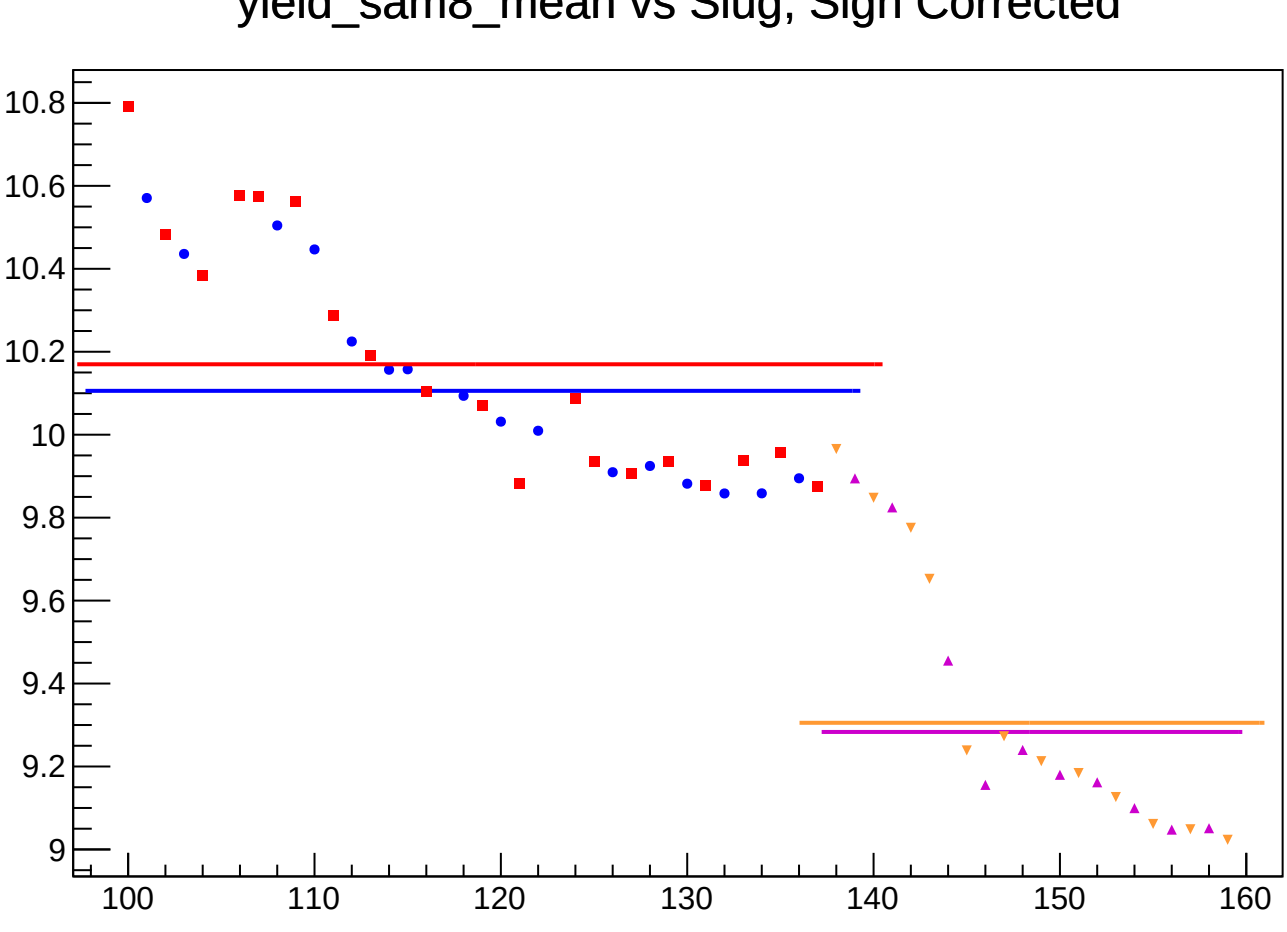
Left: 0.002+/-0.000 χ^2/NDF: 1308579.3/21

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2647788.6/25

Out: 0.002+/-0.000 χ^2/NDF:3508739.2/30

All: 0.002+/-0.000 χ^2/NDF: 6177360.2/56



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.305+/-0.000 χ^2/NDF:14169657322.4/11

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.283+/-0.000 χ^2/NDF:11754720972.2/9

Left: 9.295+/-0.000 χ^2/NDF: 25967209556.0/21

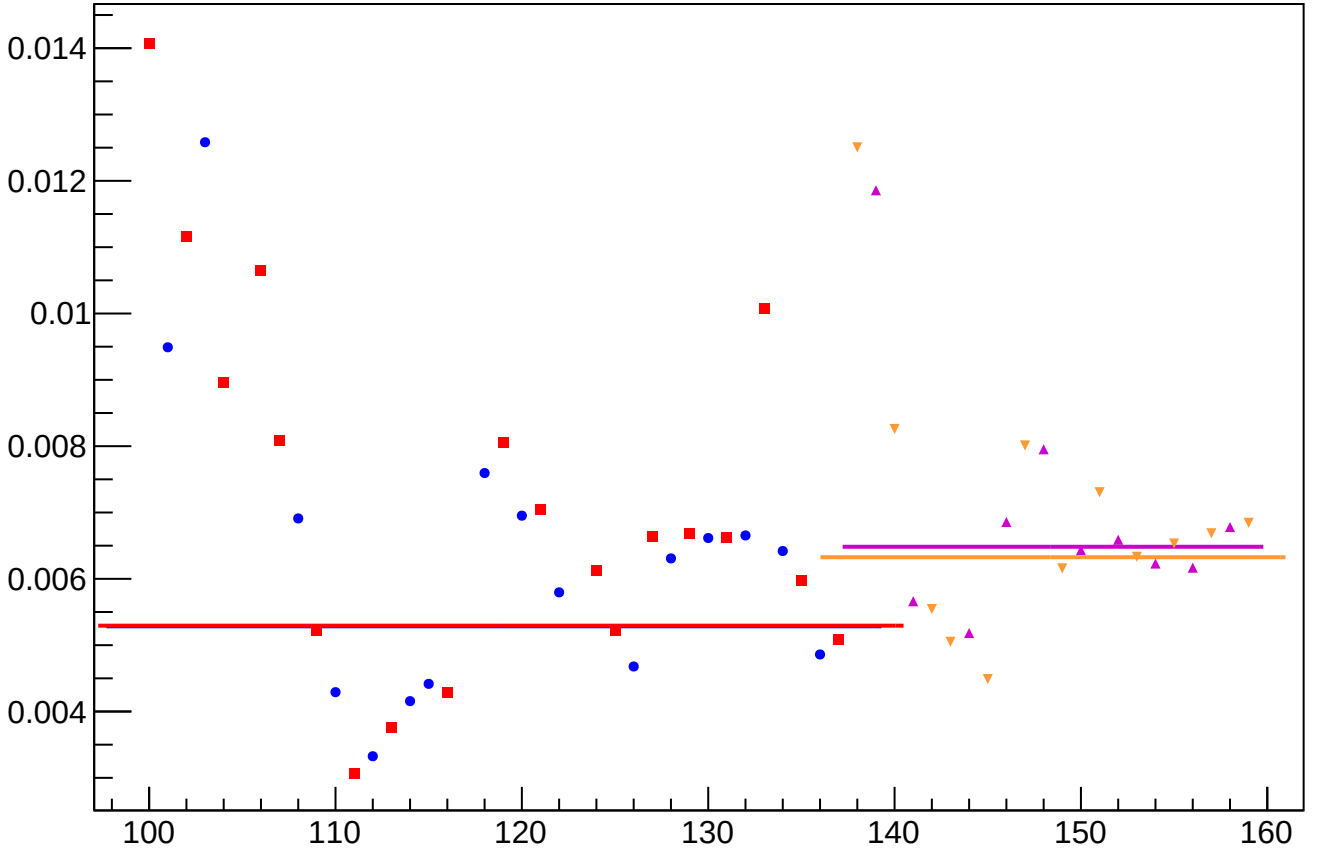
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.726+/-0.000 χ^2/NDF:81337747140.6/25

Out: 9.750+/-0.000 χ^2/NDF:94733709837.1/30

All: 9.738+/-0.000 χ^2/NDF: 176181111266.5

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:799112.1/11

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:495582.5/9

Left: 0.006+/-0.000 χ^2/NDF: 1299063.8/21

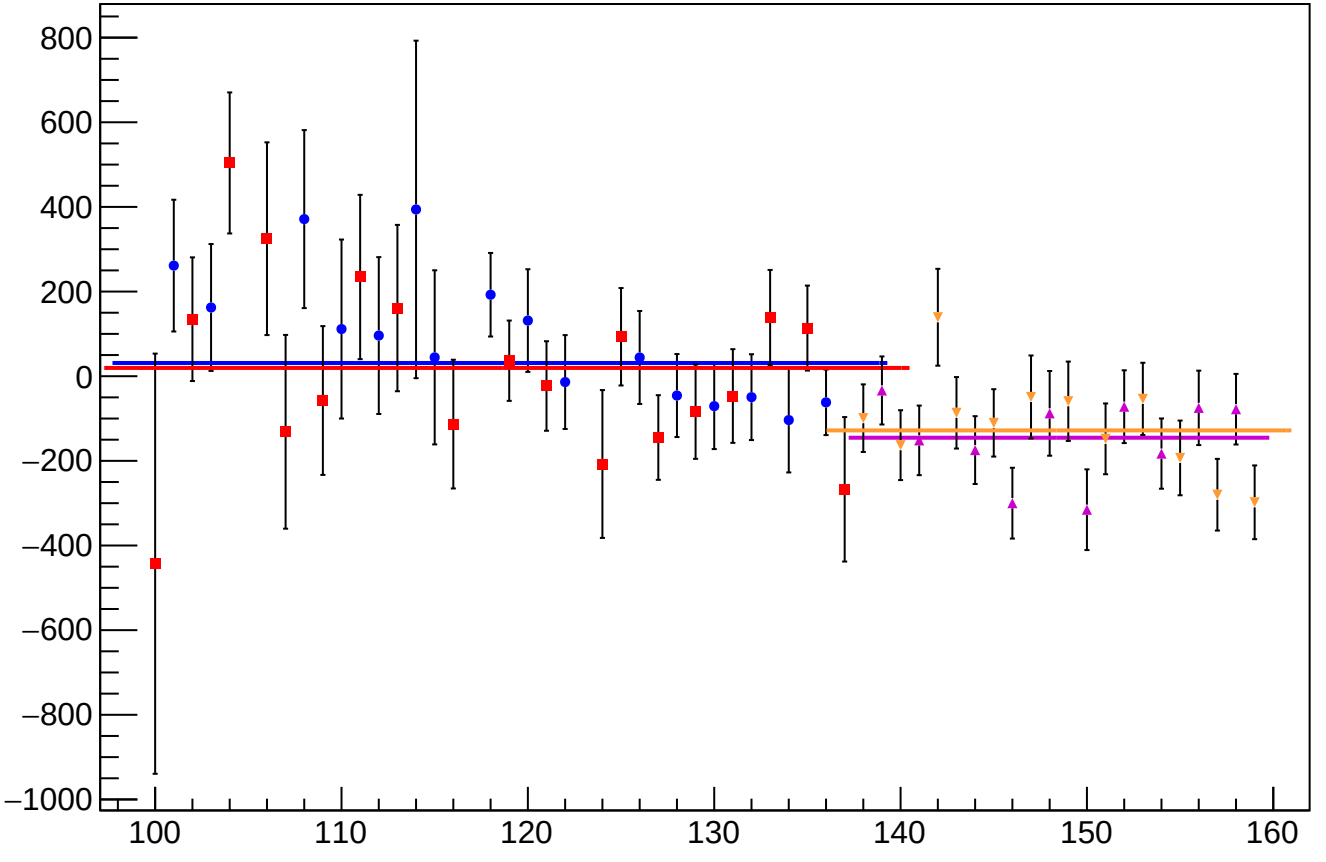
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2026653.1/25

Out: 0.006+/-0.000 χ^2/NDF:2794826.1/30

All: 0.006+/-0.000 χ^2/NDF: 4822181.5/56

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -128.043+/-25.191 χ^2/NDF:15.6/11

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -145.332+/-27.070 χ^2/NDF:11.2/9

Left: -136.067+/-18.441 χ^2/NDF: 27.1/21

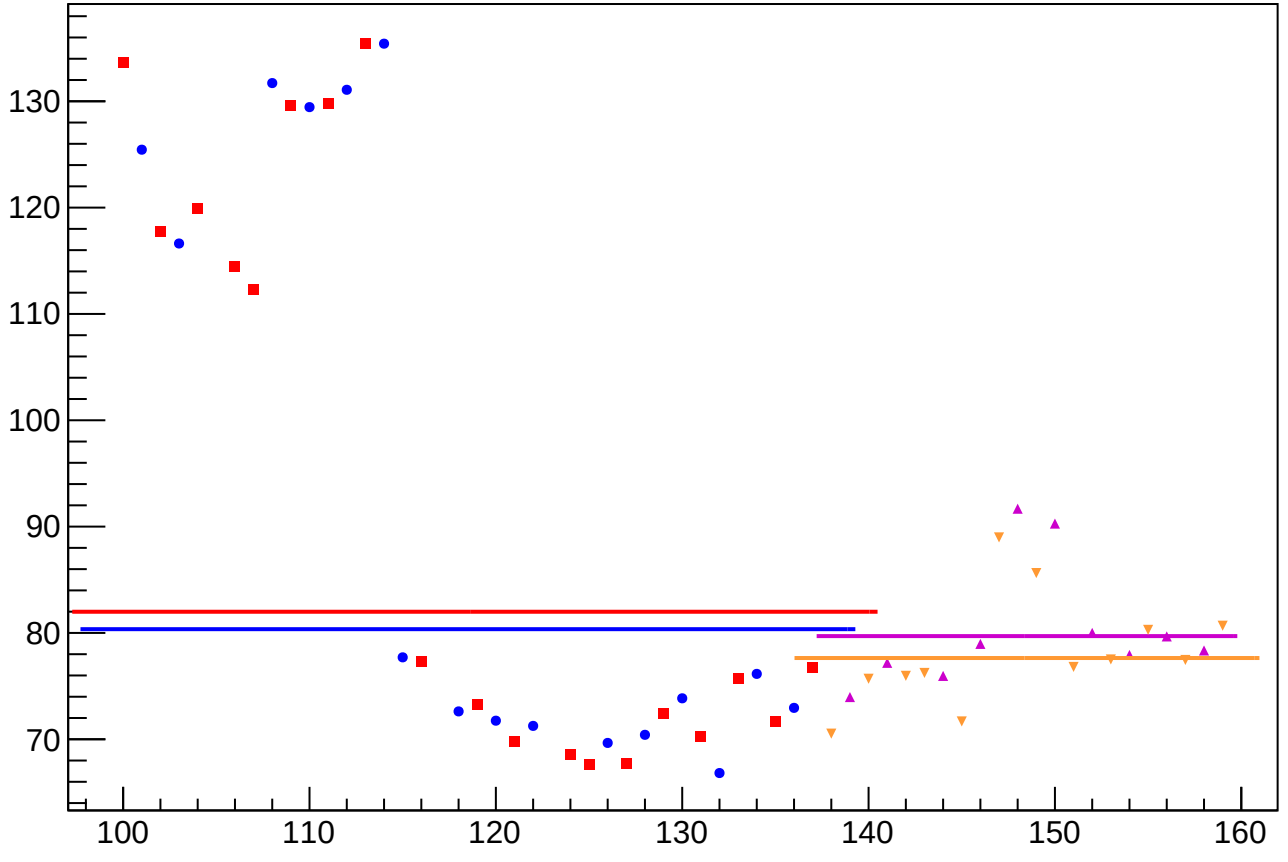
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -68.337+/-20.329 χ^2/NDF:44.9/25

Out: -69.467+/-19.565 χ^2/NDF:55.2/30

All: -68.923+/-14.097 χ^2/NDF: 100.0/56

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.641+/-0.018 χ^2/NDF:74947.9/11

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

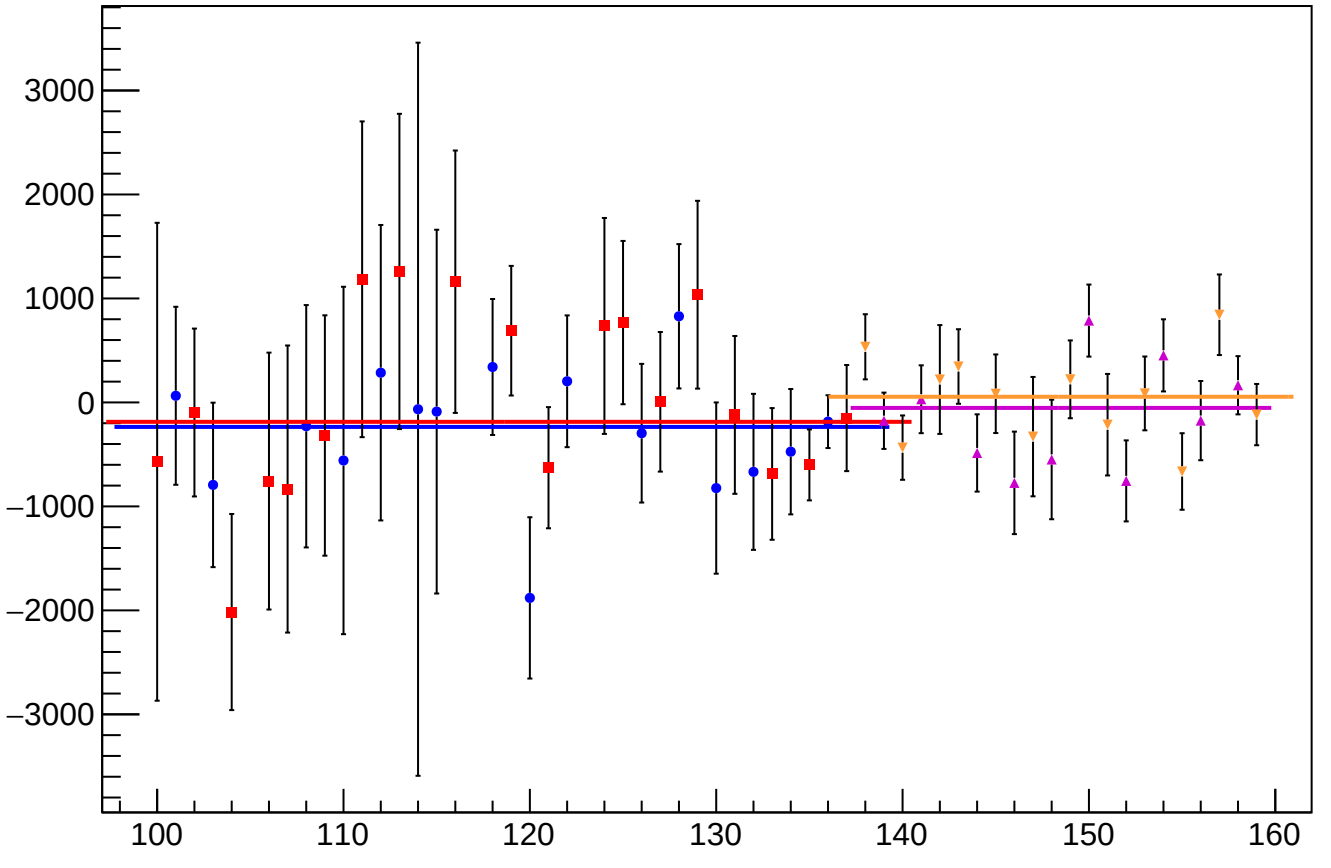
Left: 78.597+/-0.013 χ^2/NDF: 152472.9/21

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.986+/-0.014 χ^2/NDF:911853.4/25

Out: 79.368+/-0.014 χ^2/NDF:1030975.4/30

All: 79.665+/-0.010 χ^2/NDF: 1943790.6/56



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 54.397+/-107.261 χ^2/NDF:14.9/11

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -52.773+/-111.606 χ^2/NDF:16.5/9

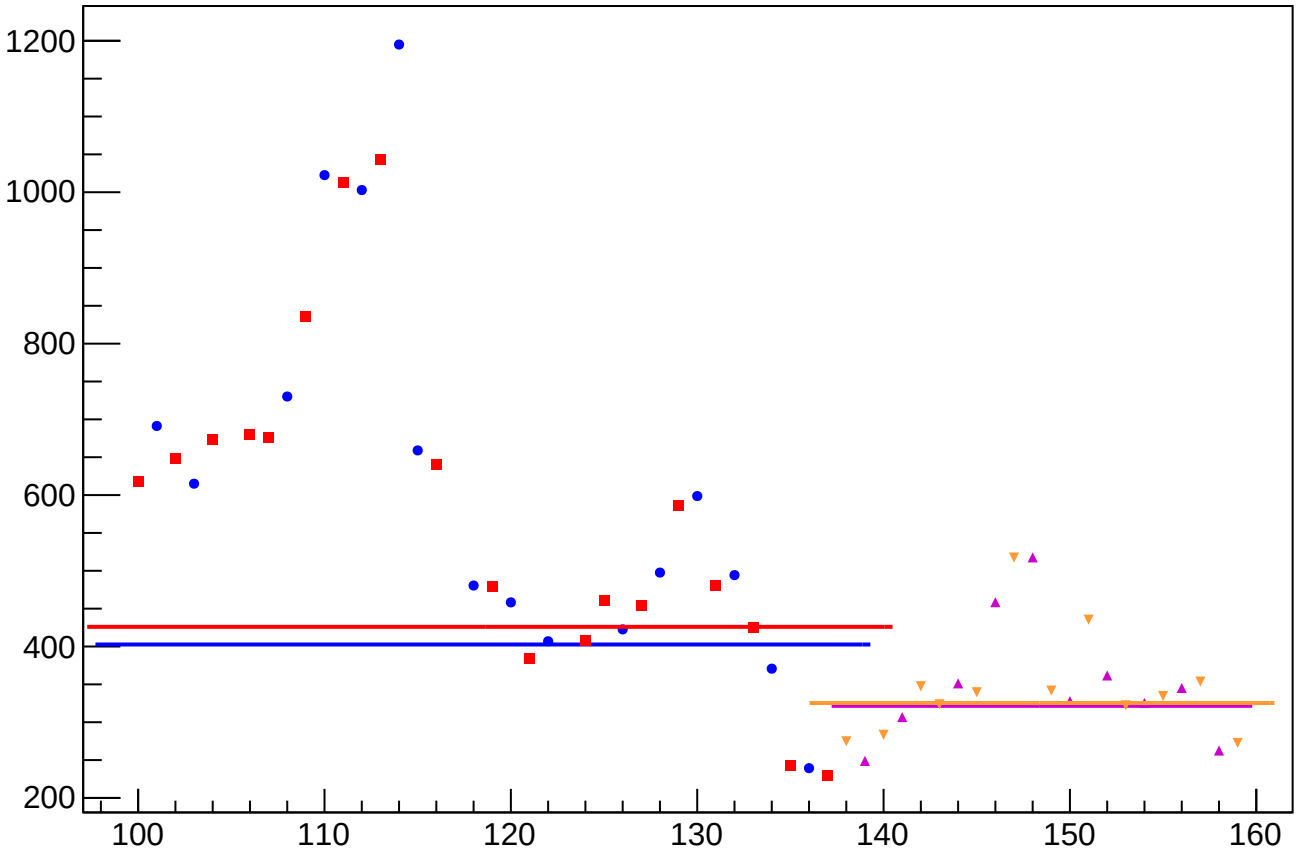
Left: 2.938+/-77.335 χ^2/NDF: 31.8/21

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -110.731+/-92.226 χ^2/NDF:27.3/25

Out: -14.003+/-90.774 χ^2/NDF:32.3/30

All: -61.600+/-64.694 χ^2/NDF: 60.1/56



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 325.384+/-0.076 χ^2/NDF:500754.0/11

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 321.618+/-0.079 χ^2/NDF:666783.2/9

Left: 323.576+/-0.055 χ^2/NDF: 1168720.7/21

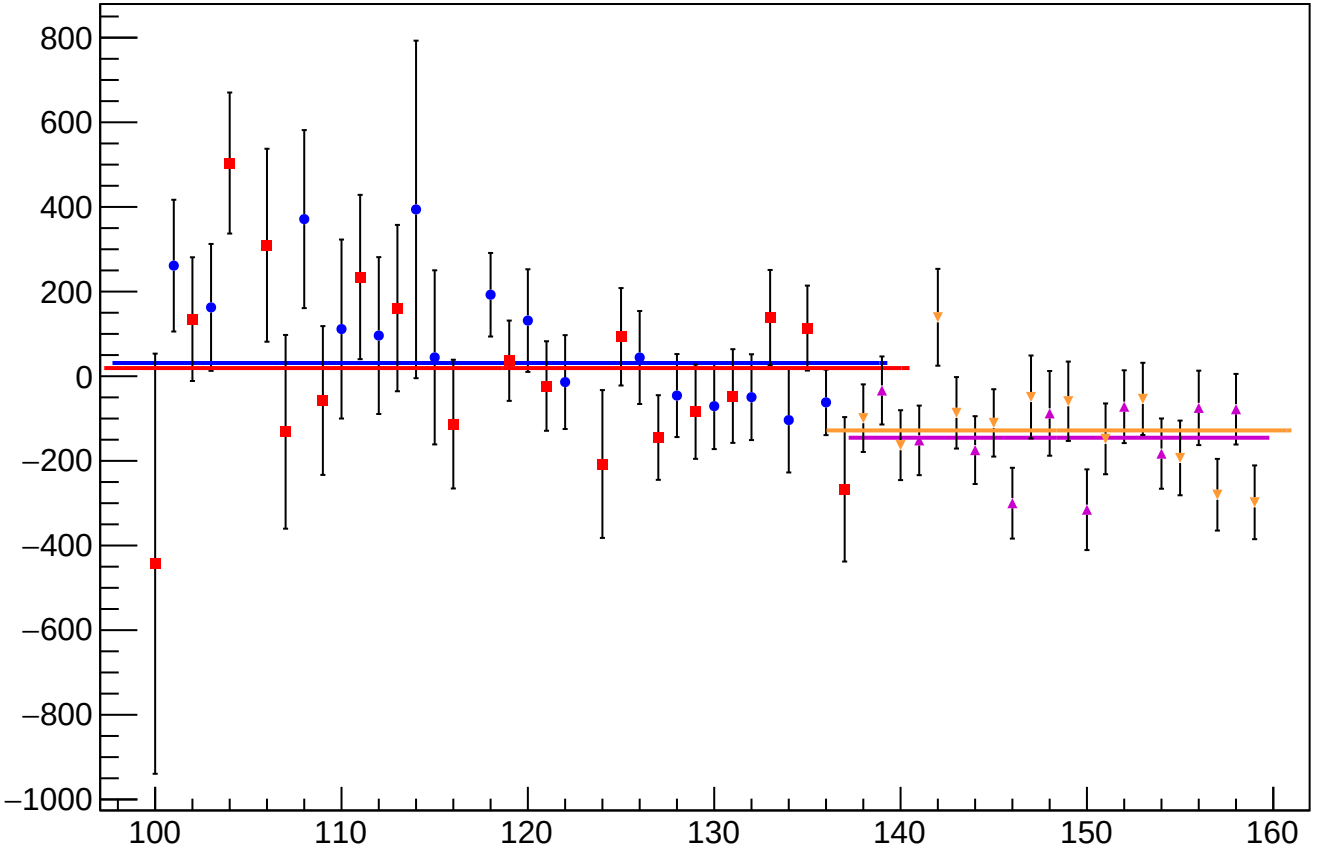
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 347.320+/-0.065 χ^2/NDF:3361305.6/25

Out: 353.933+/-0.064 χ^2/NDF:3368793.5/30

All: 350.679+/-0.046 χ^2/NDF: 6735322.2/56

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -128.040+/-25.191 χ^2/NDF:15.6/11

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -145.334+/-27.070 χ^2/NDF:11.2/9

Left: -136.066+/-18.441 χ^2/NDF: 27.1/21

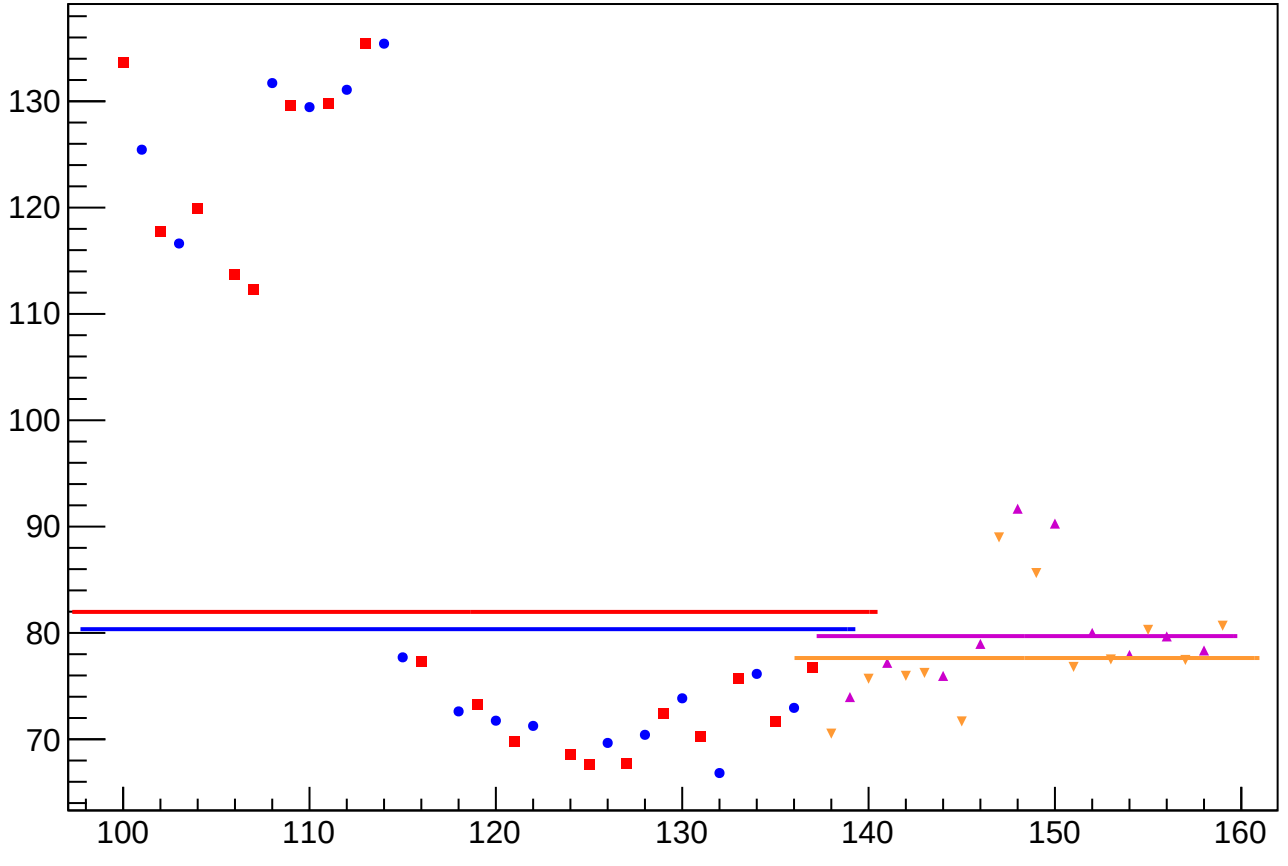
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -68.333+/-20.329 χ^2/NDF:44.9/25

Out: -69.582+/-19.565 χ^2/NDF:54.9/30

All: -68.982+/-14.097 χ^2/NDF: 99.8/56

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.641+/-0.018 χ^2/NDF:74947.9/11

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

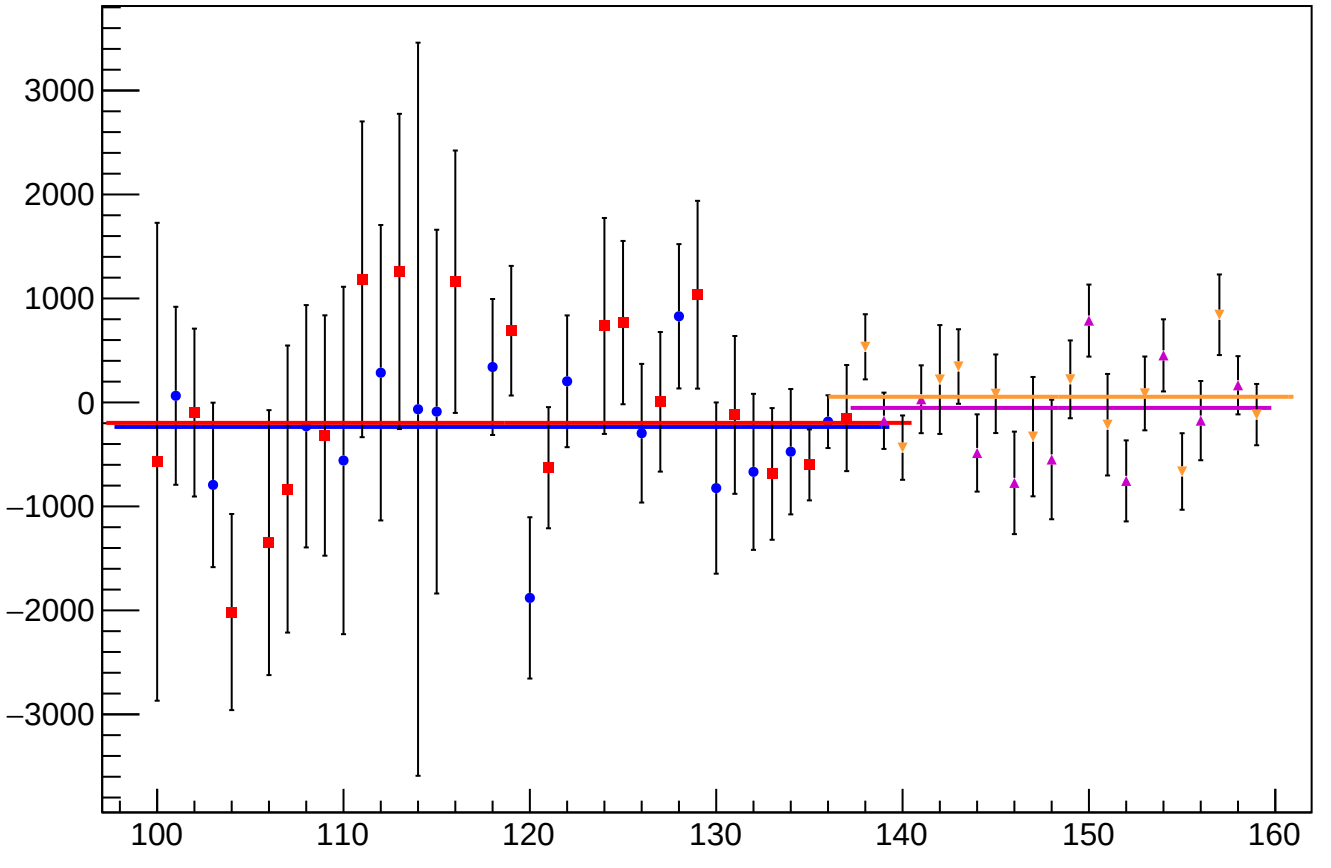
Left: 78.597+/-0.013 χ^2/NDF: 152472.9/21

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.986+/-0.014 χ^2/NDF:911853.6/25

Out: 79.362+/-0.014 χ^2/NDF:1028939.9/30

All: 79.662+/-0.010 χ^2/NDF: 1941774.1/56



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 54.397+/-107.261 χ^2/NDF:14.9/11

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -52.777+/-111.606 χ^2/NDF:16.5/9

Left: 2.937+/-77.336 χ^2/NDF: 31.8/21

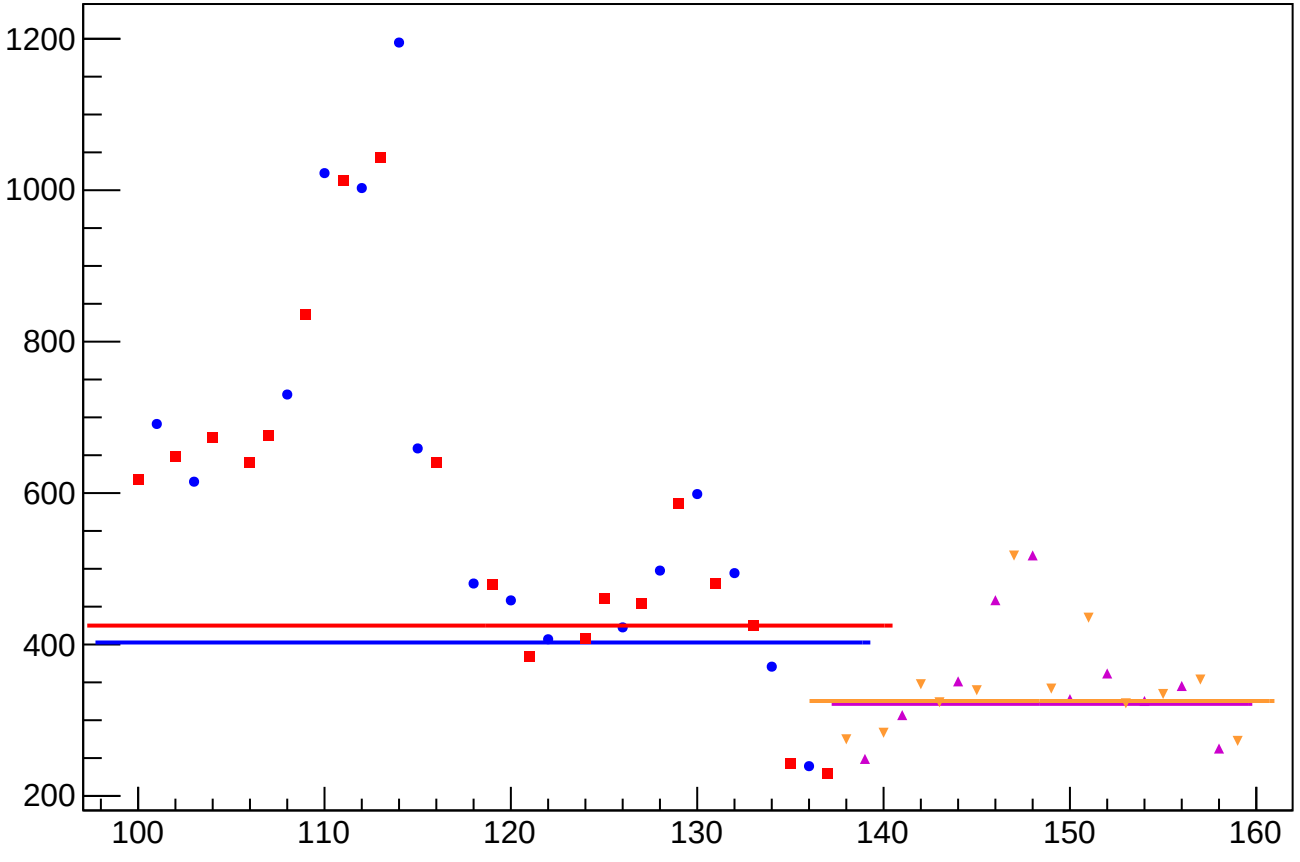
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -110.733+/-92.226 χ^2/NDF:27.3/25

Out: -16.771+/-90.788 χ^2/NDF:33.0/30

All: -63.014+/-64.699 χ^2/NDF: 60.8/56

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 325.384+/-0.076 χ^2/NDF:500761.4/11

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

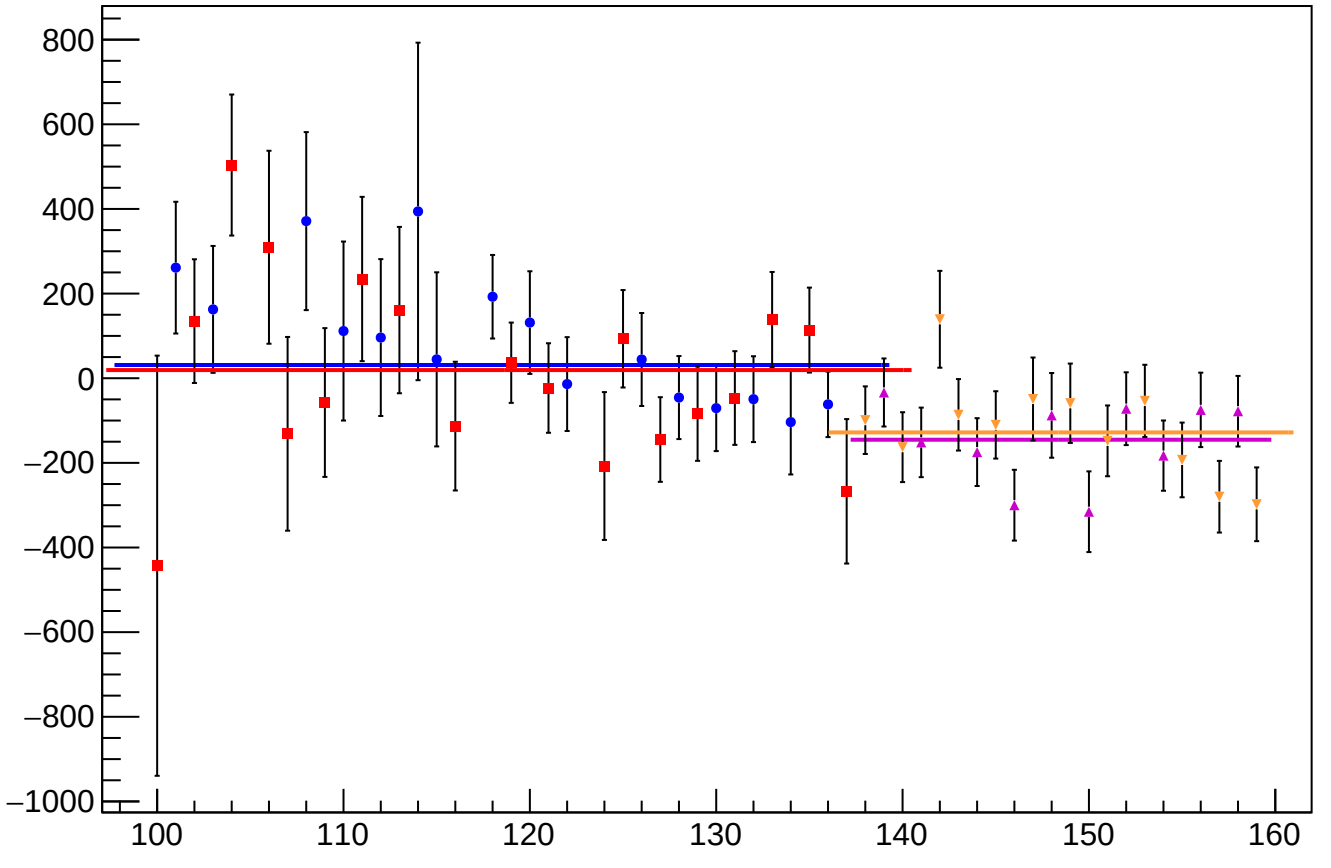
Left: 323.576+/-0.055 χ^2/NDF: 1168728.0/21

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 347.320+/-0.065 χ^2/NDF:3361300.6/25

Out: 353.628+/-0.064 χ^2/NDF:3330837.7/30

All: 350.524+/-0.046 χ^2/NDF: 6696889.7/56



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -128.040+/-25.191 χ^2/NDF:15.6/11

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -145.334+/-27.070 χ^2/NDF:11.2/9

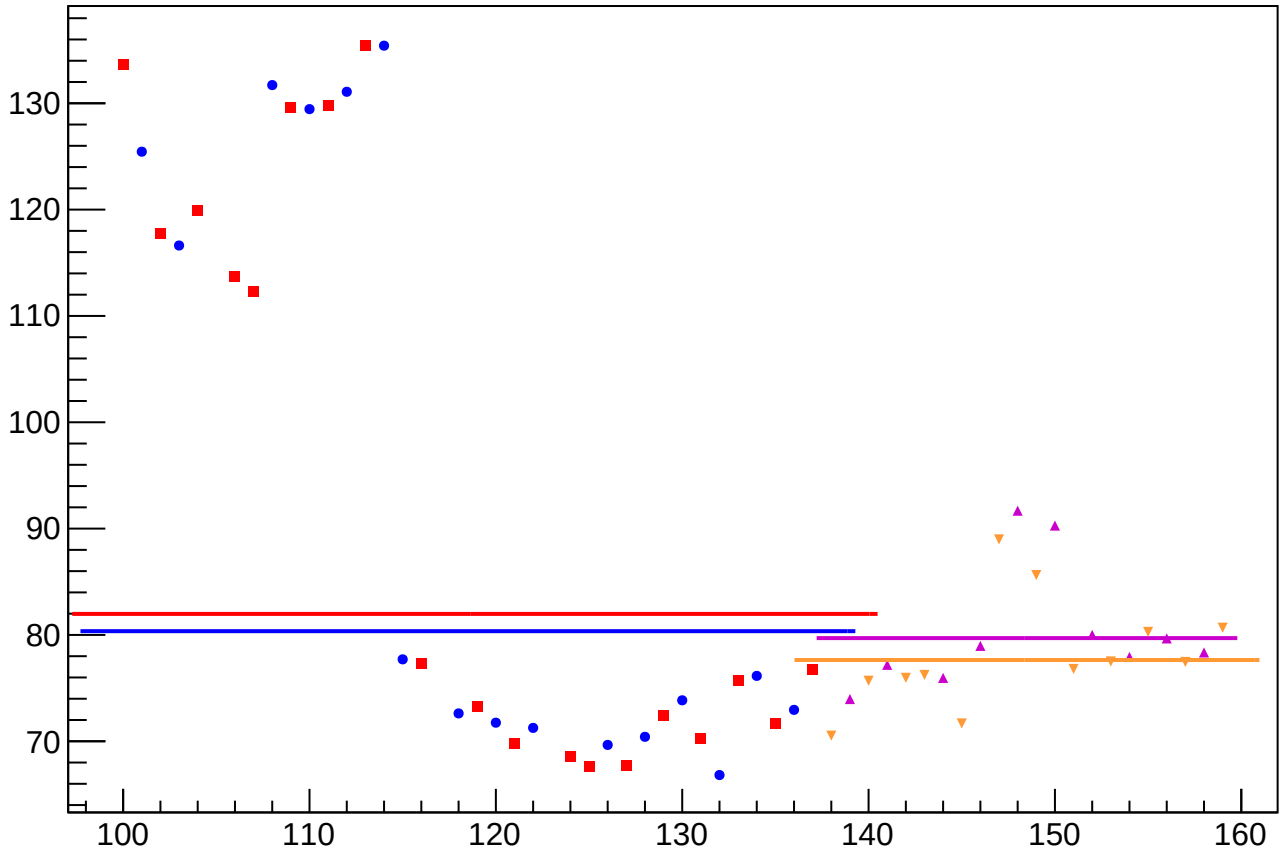
Left: -136.066+/-18.441 χ^2/NDF: 27.1/21

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -68.333+/-20.329 χ^2/NDF:44.9/25

Out: -69.582+/-19.565 χ^2/NDF:54.9/30

All: -68.982+/-14.097 χ^2/NDF: 99.8/56



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.641+/-0.018 χ^2/NDF:74947.9/11

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

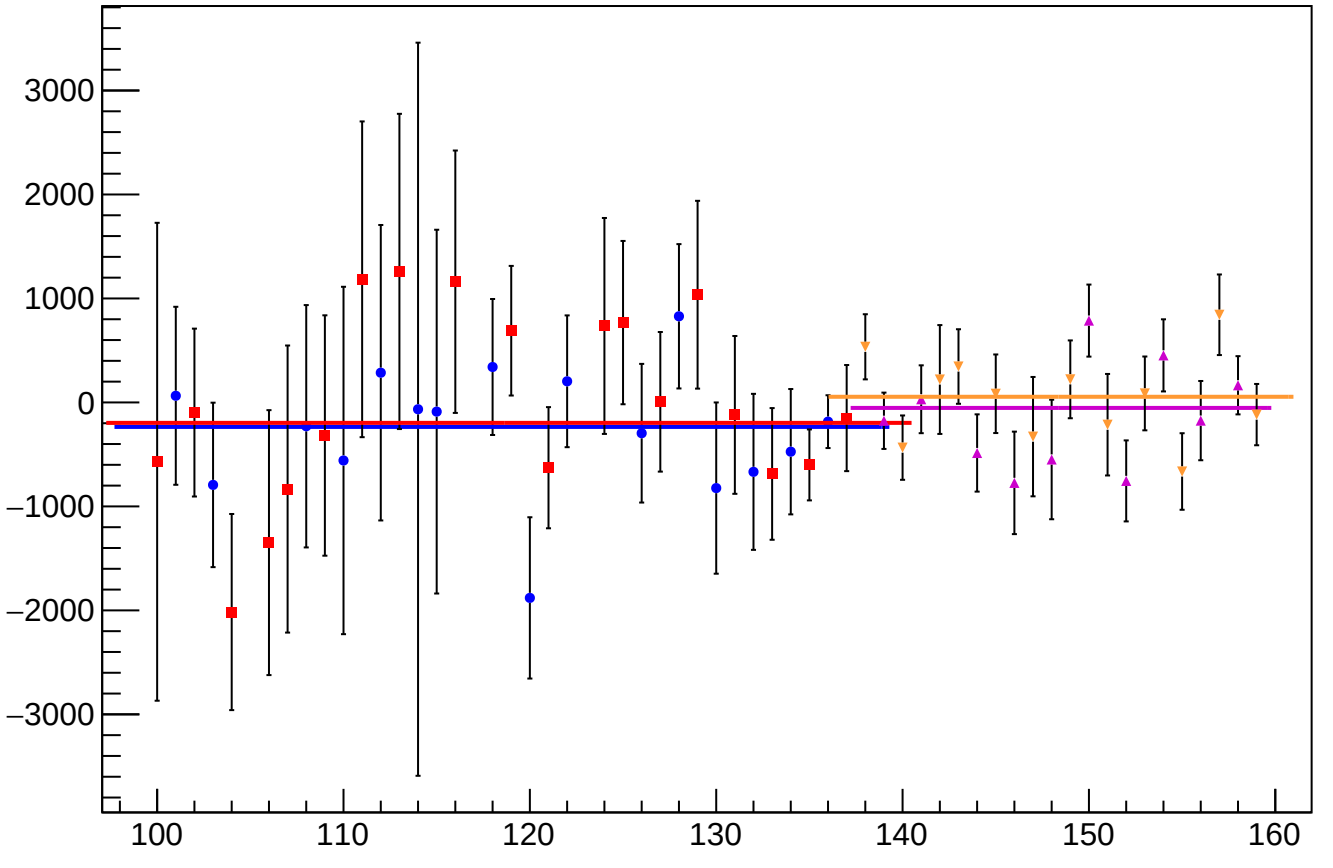
Left: 78.597+/-0.013 χ^2/NDF: 152472.9/21

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.986+/-0.014 χ^2/NDF:911853.6/25

Out: 79.362+/-0.014 χ^2/NDF:1028939.9/30

All: 79.662+/-0.010 χ^2/NDF: 1941774.1/56



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 54.397+/-107.261 χ^2/NDF:14.9/11

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -52.777+/-111.606 χ^2/NDF:16.5/9

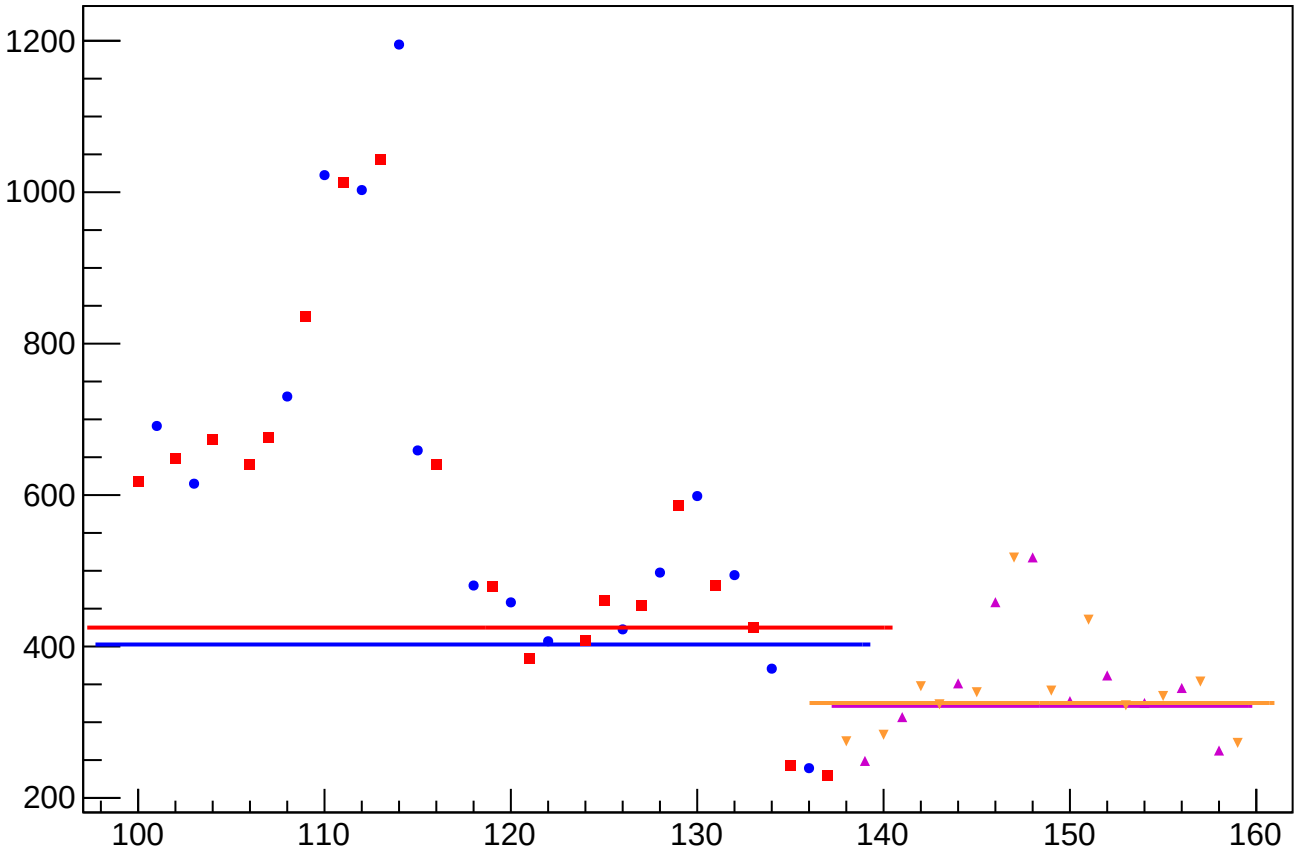
Left: 2.937+/-77.336 χ^2/NDF: 31.8/21

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -110.733+/-92.226 χ^2/NDF:27.3/25

Out: -16.771+/-90.788 χ^2/NDF:33.0/30

All: -63.014+/-64.699 χ^2/NDF: 60.8/56



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 325.384+/-0.076 χ^2/NDF:500761.4/11

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

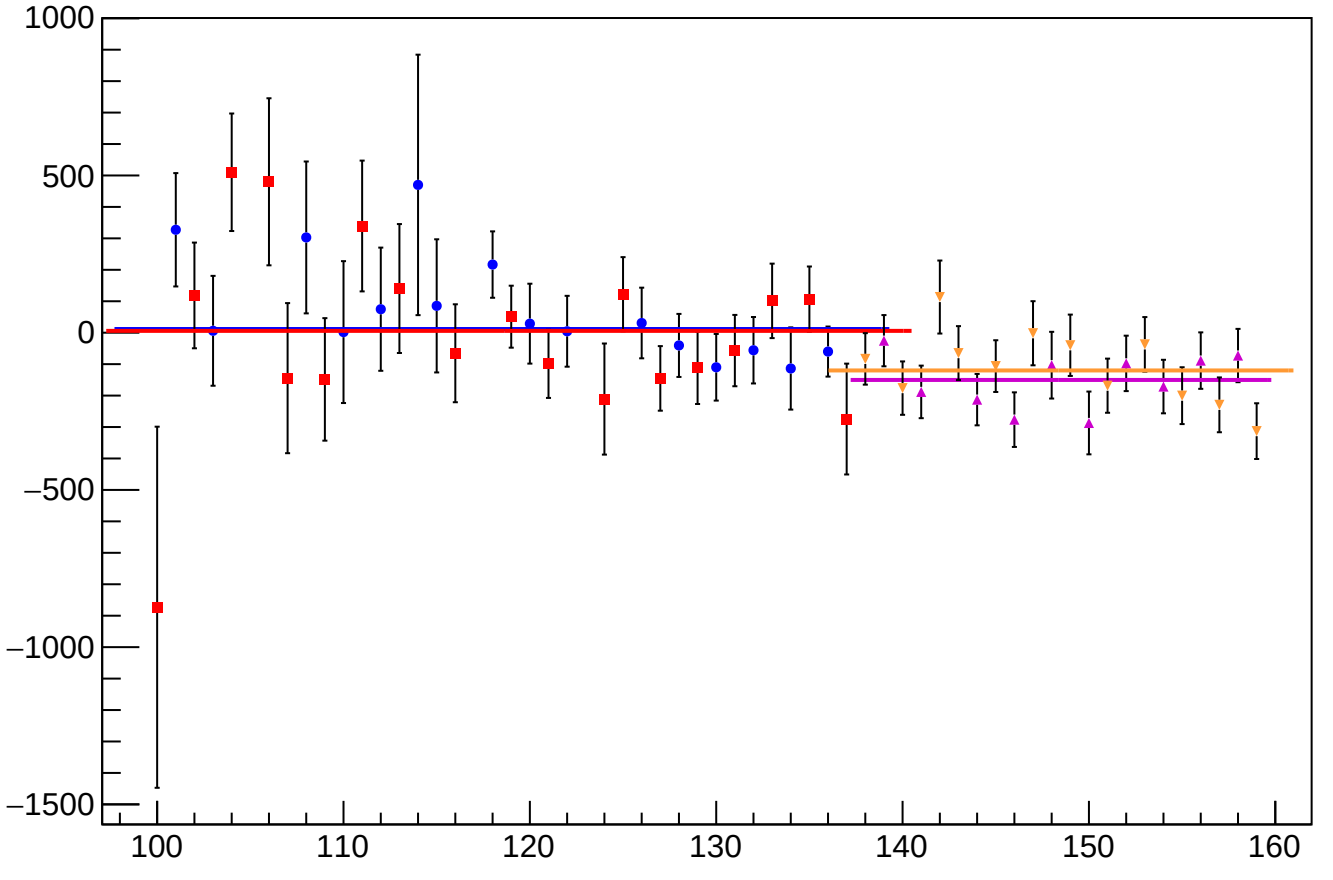
Left: 323.576+/-0.055 χ^2/NDF: 1168728.0/21

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 347.320+/-0.065 χ^2/NDF:3361300.6/25

Out: 353.628+/-0.064 χ^2/NDF:3330837.7/30

All: 350.524+/-0.046 χ^2/NDF: 6696889.7/56



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -120.054+/-25.856 χ^2/NDF:15.5/11

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -150.256+/-27.783 χ^2/NDF:9.1/9

Left: -134.071+/-18.927 χ^2/NDF: 25.2/21

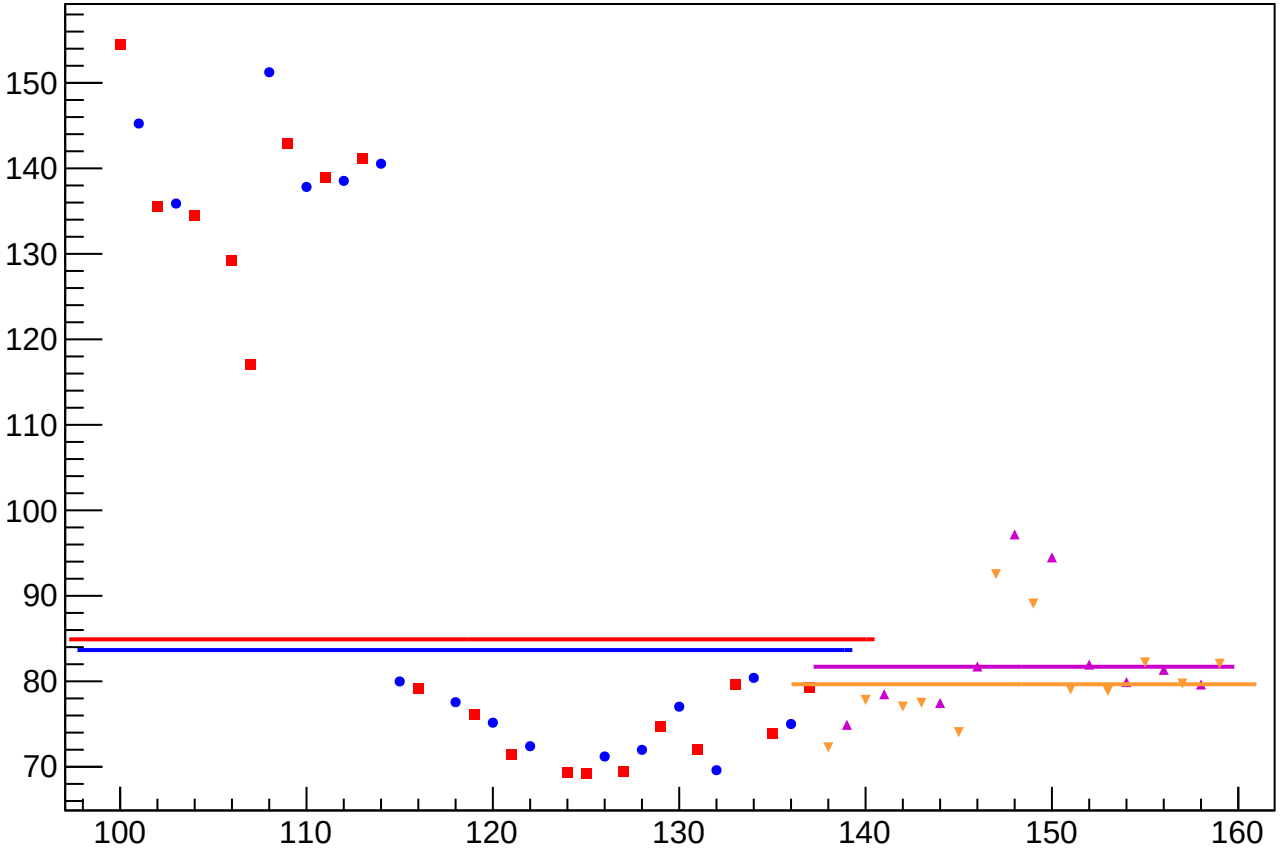
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.400+/-21.062 χ^2/NDF:37.0/25

Out: -71.163+/-20.220 χ^2/NDF:53.5/30

All: -76.073+/-14.586 χ^2/NDF: 90.6/56

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.659+/-0.018 χ^2/NDF:82691.6/11

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.704+/-0.020 χ^2/NDF:99813.4/9

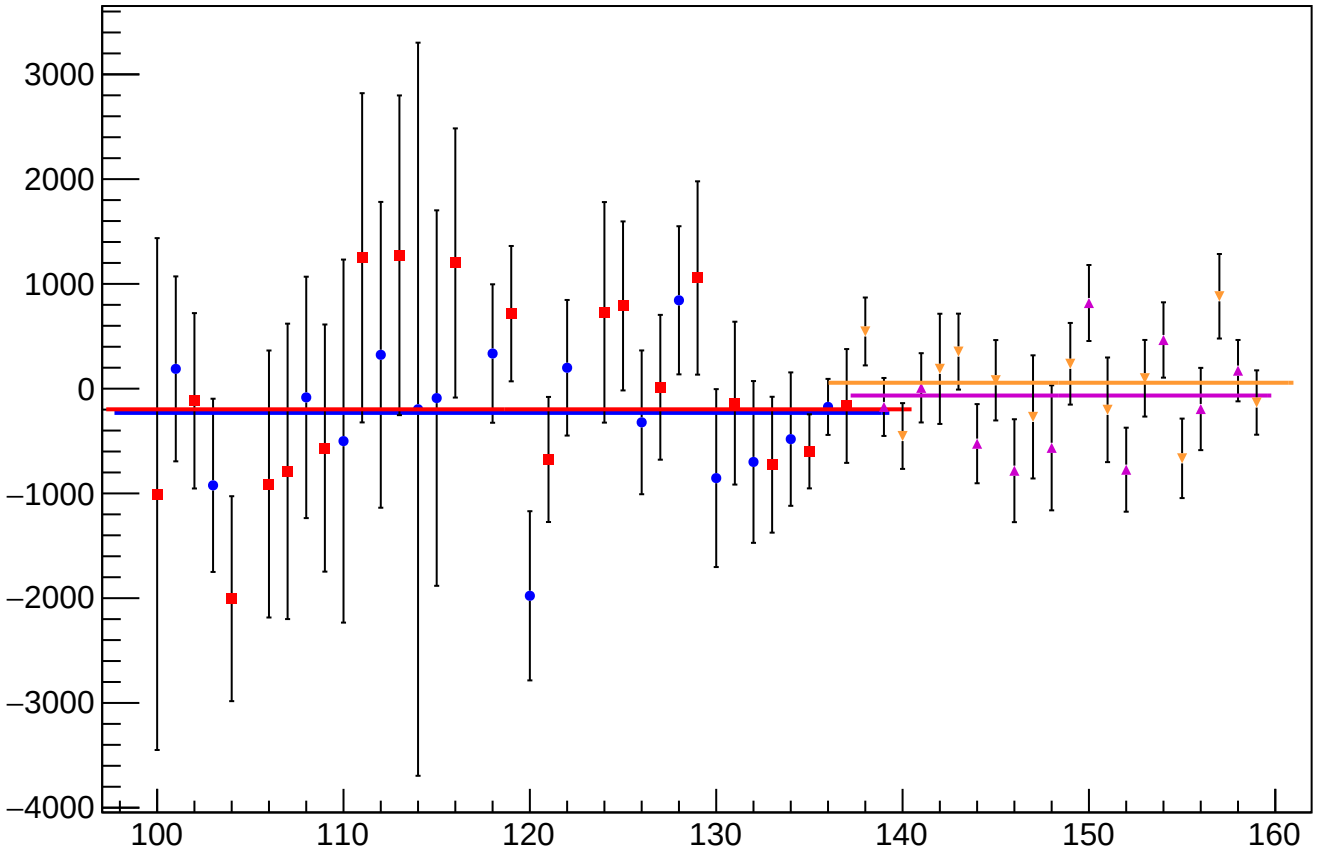
Left: 80.608+/-0.013 χ^2/NDF: 188310.8/21

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.535+/-0.015 χ^2/NDF:1138811.1/25

Out: 81.700+/-0.014 χ^2/NDF:1236435.9/30

All: 82.100+/-0.010 χ^2/NDF: 2376881.7/56



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 56.378+/-110.202 χ^2/NDF:14.6/11

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -65.630+/-114.803 χ^2/NDF:16.5/9

Left: -2.132+/-79.501 χ^2/NDF: 31.7/21

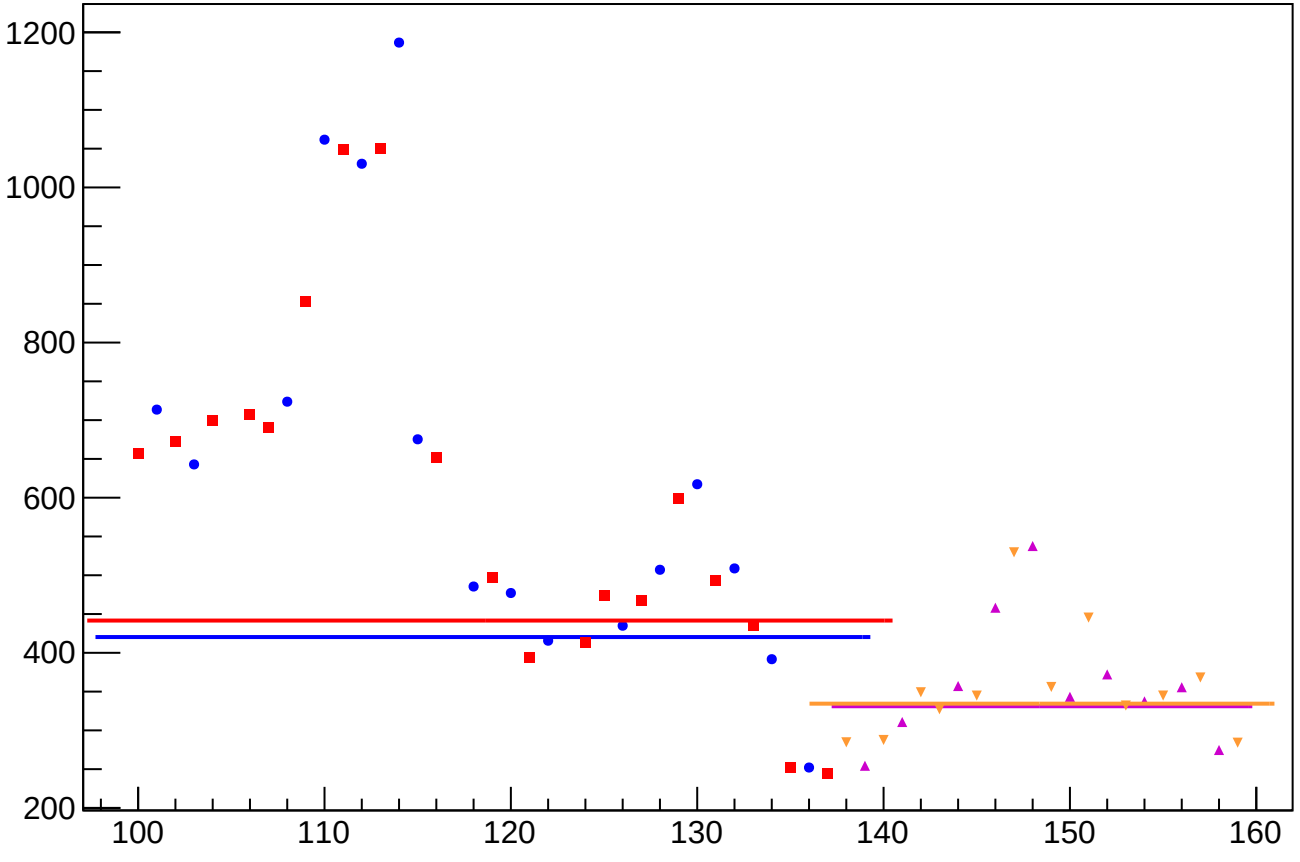
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -117.497+/-95.164 χ^2/NDF:27.6/25

Out: -14.989+/-93.417 χ^2/NDF:32.0/30

All: -65.293+/-66.665 χ^2/NDF: 60.2/56

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.439+/-0.078 χ^2/NDF:490126.4/11

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 331.114+/-0.081 χ^2/NDF:650193.6/9

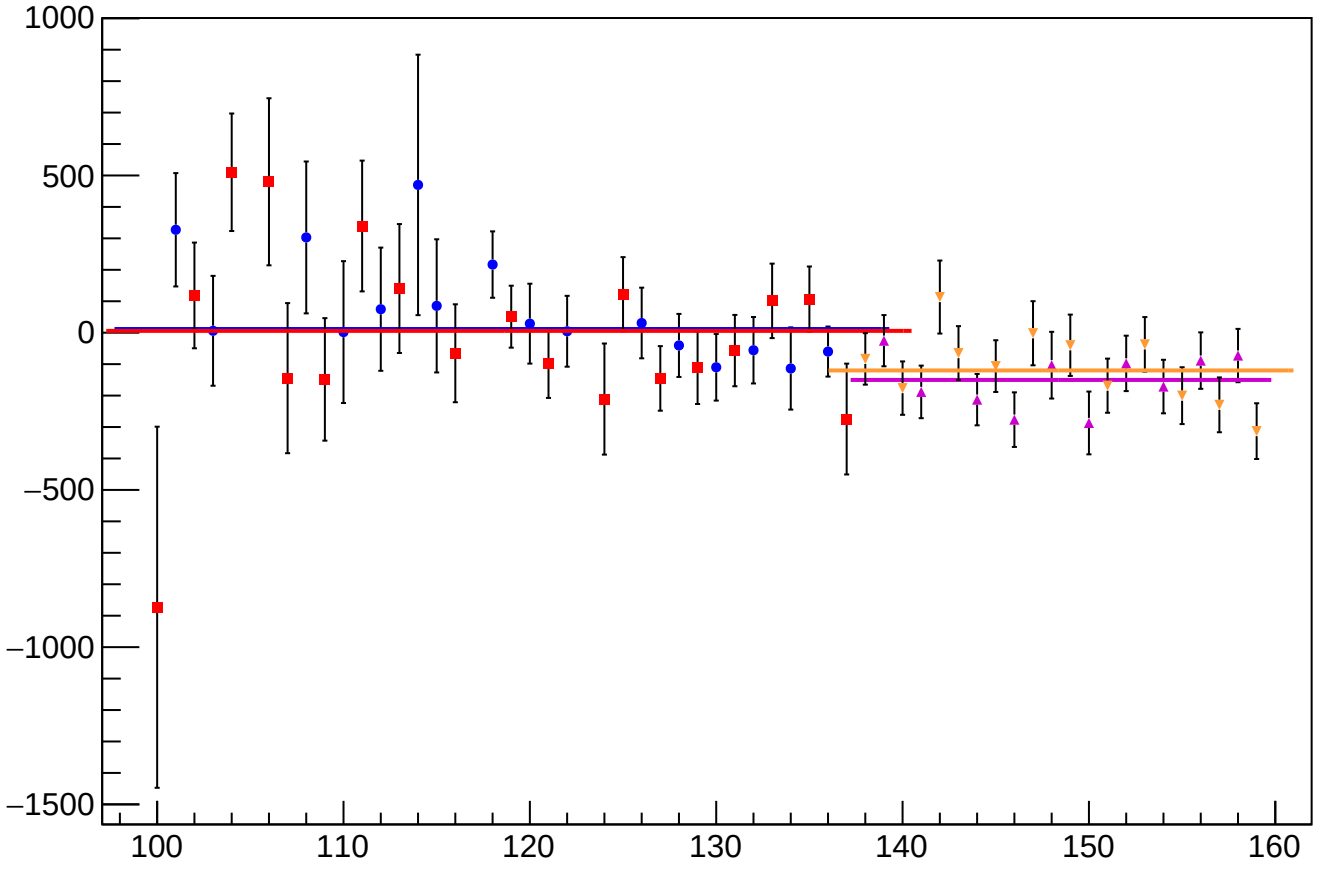
Left: 332.845+/-0.056 χ^2/NDF: 1141193.3/21

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 359.027+/-0.067 χ^2/NDF:3282698.4/25

Out: 364.597+/-0.066 χ^2/NDF:3329915.7/30

All: 361.864+/-0.047 χ^2/NDF: 6616103.6/56



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -120.053+/-25.856 χ^2/NDF:15.5/11

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -150.256+/-27.783 χ^2/NDF:9.1/9

Left: -134.071+/-18.927 χ^2/NDF: 25.2/21

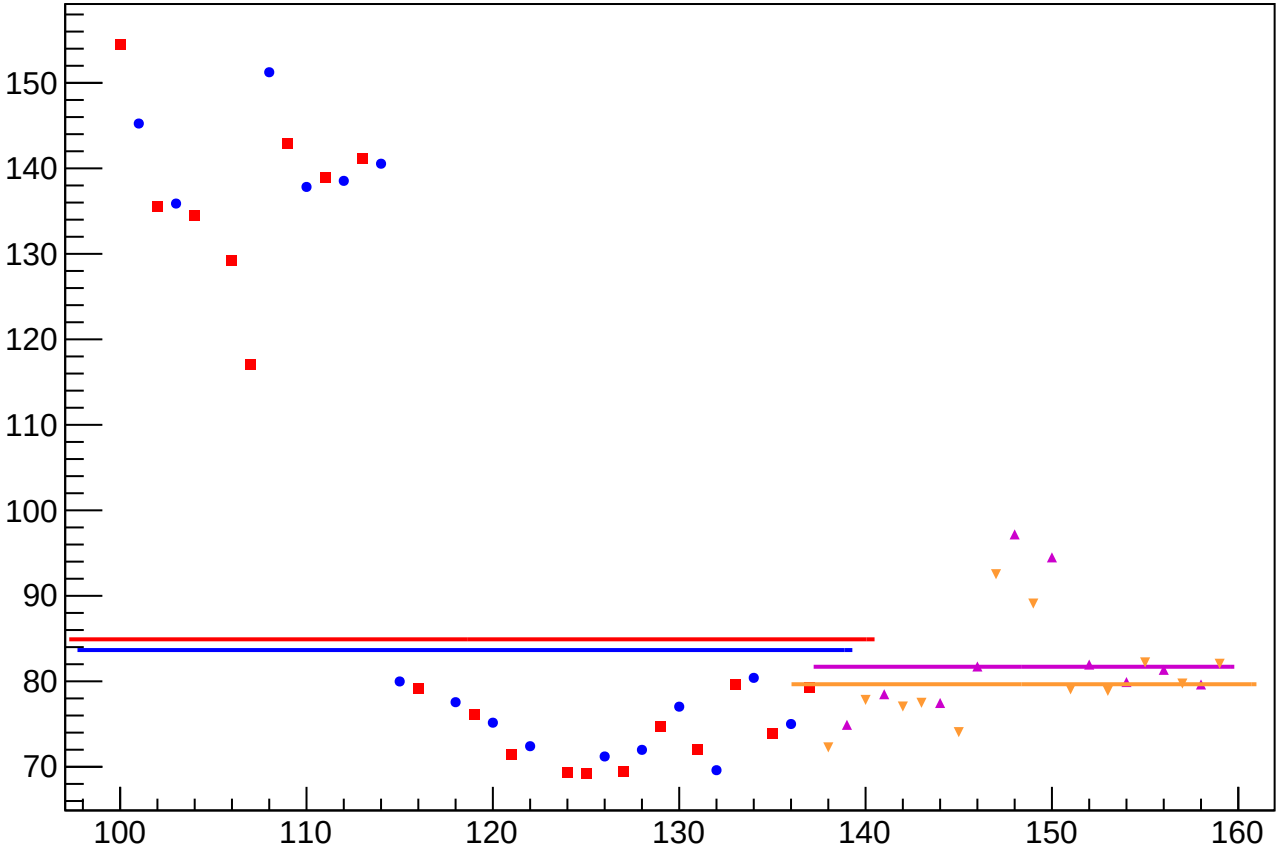
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.399+/-21.062 χ^2/NDF:37.0/25

Out: -71.163+/-20.220 χ^2/NDF:53.5/30

All: -76.072+/-14.586 χ^2/NDF: 90.6/56

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.659+/-0.018 χ^2/NDF:82691.2/11

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.704+/-0.020 χ^2/NDF:99812.7/9

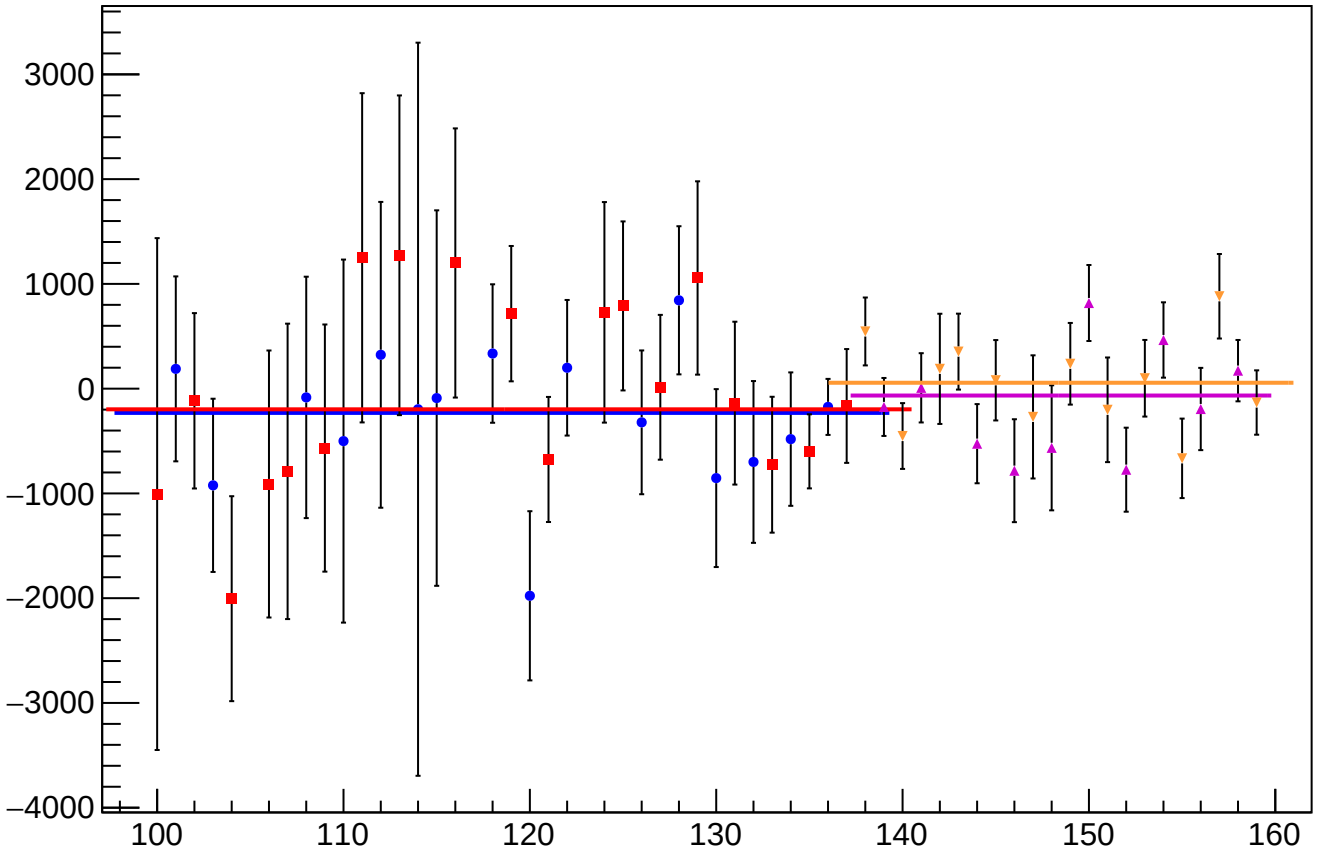
Left: 80.608+/-0.013 χ^2/NDF: 188309.5/21

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.535+/-0.015 χ^2/NDF:1138809.6/25

Out: 81.700+/-0.014 χ^2/NDF:1236433.5/30

All: 82.100+/-0.010 χ^2/NDF: 2376877.8/56



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 56.378+/-110.202 χ^2/NDF:14.6/11

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -65.630+/-114.803 χ^2/NDF:16.5/9

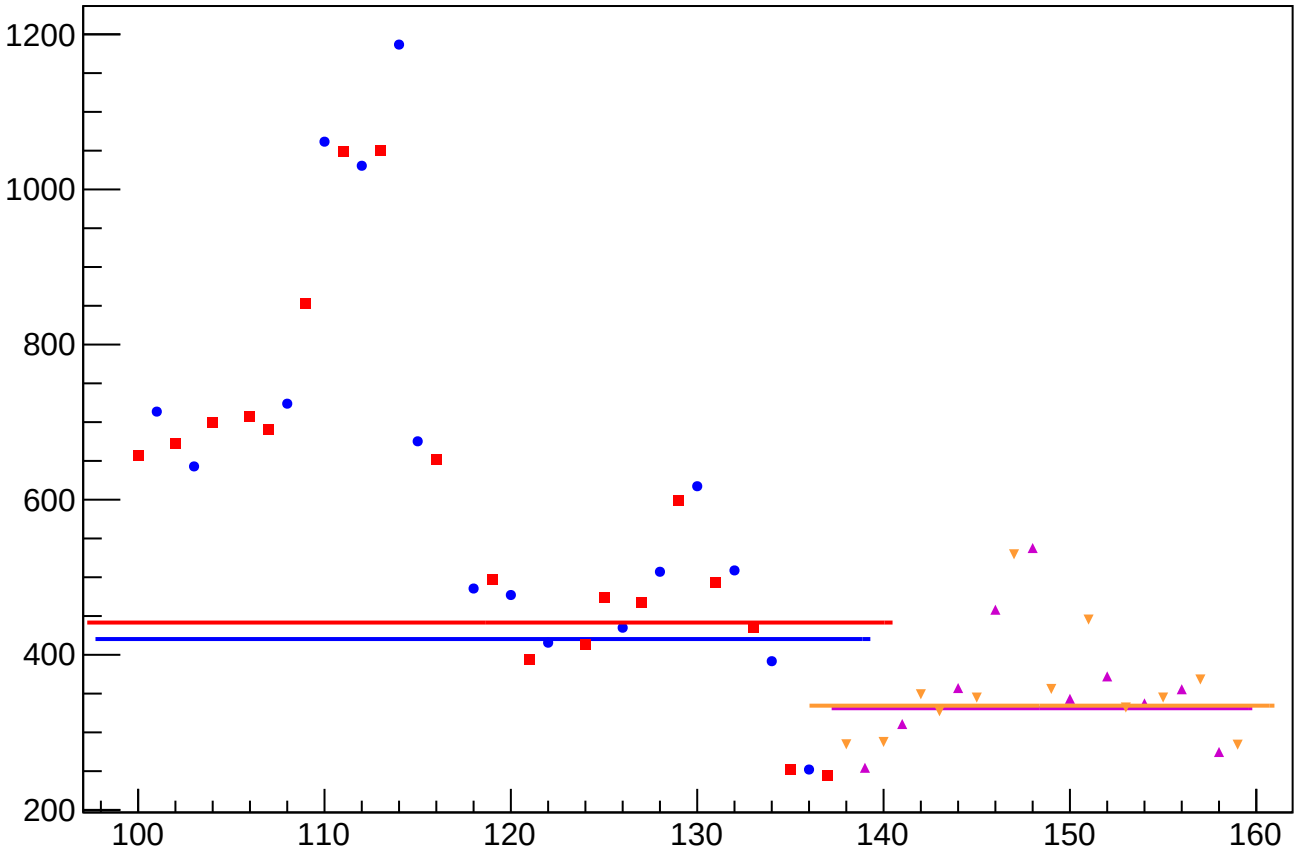
Left: -2.132+/-79.501 χ^2/NDF: 31.7/21

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -117.496+/-95.164 χ^2/NDF:27.6/25

Out: -14.989+/-93.417 χ^2/NDF:32.0/30

All: -65.293+/-66.665 χ^2/NDF: 60.2/56



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.439+/-0.078 χ^2/NDF:490126.8/11

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 331.114+/-0.081 χ^2/NDF:650195.3/9

Left: 332.844+/-0.056 χ^2/NDF: 1141195.5/21

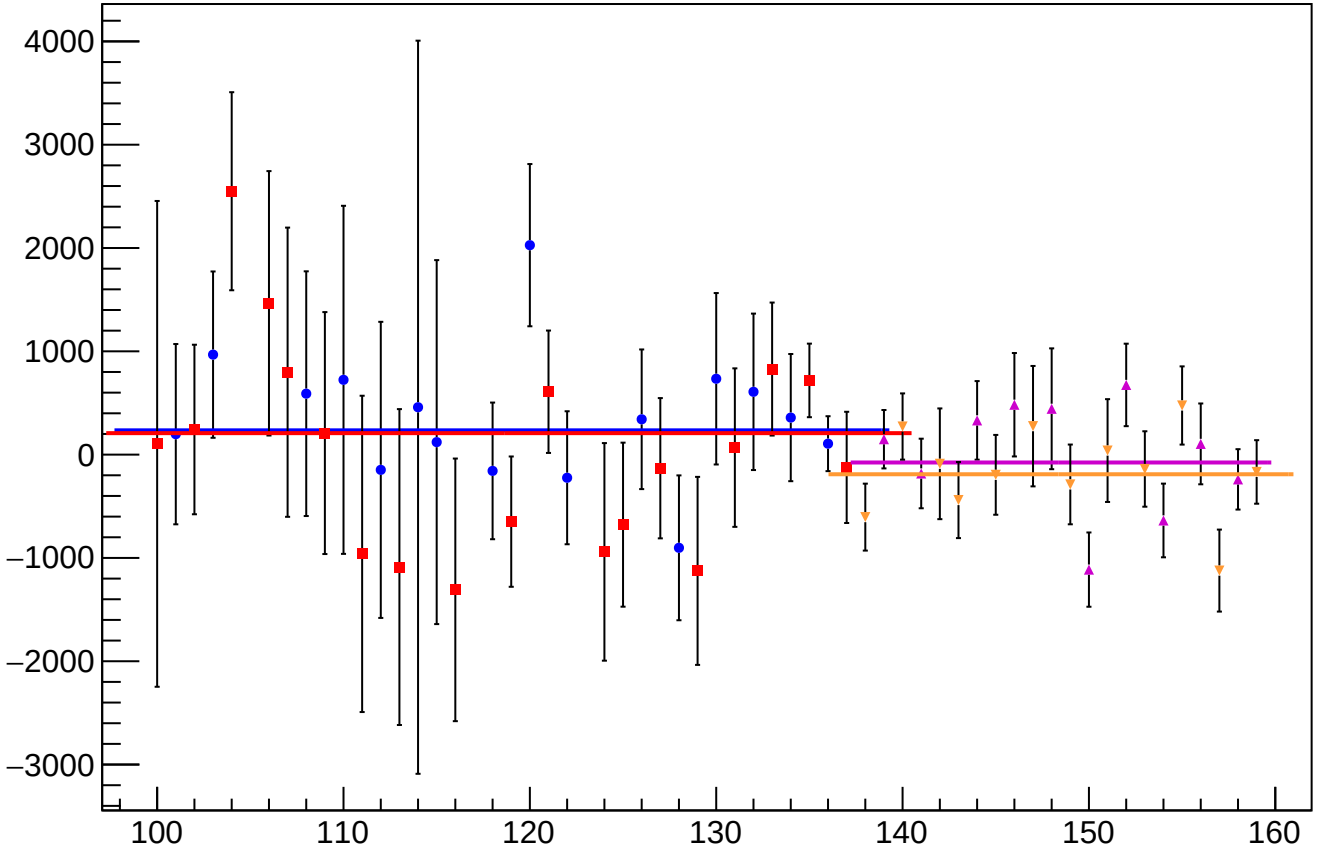
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 359.027+/-0.067 χ^2/NDF:3282701.9/25

Out: 364.597+/-0.066 χ^2/NDF:3329917.5/30

All: 361.863+/-0.047 χ^2/NDF: 6616108.8/56

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -190.007+/-110.495 χ^2/NDF:13.8/11

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -76.174+/-115.252 χ^2/NDF:18.8/9

Left: -135.488+/-79.760 χ^2/NDF: 33.1/21

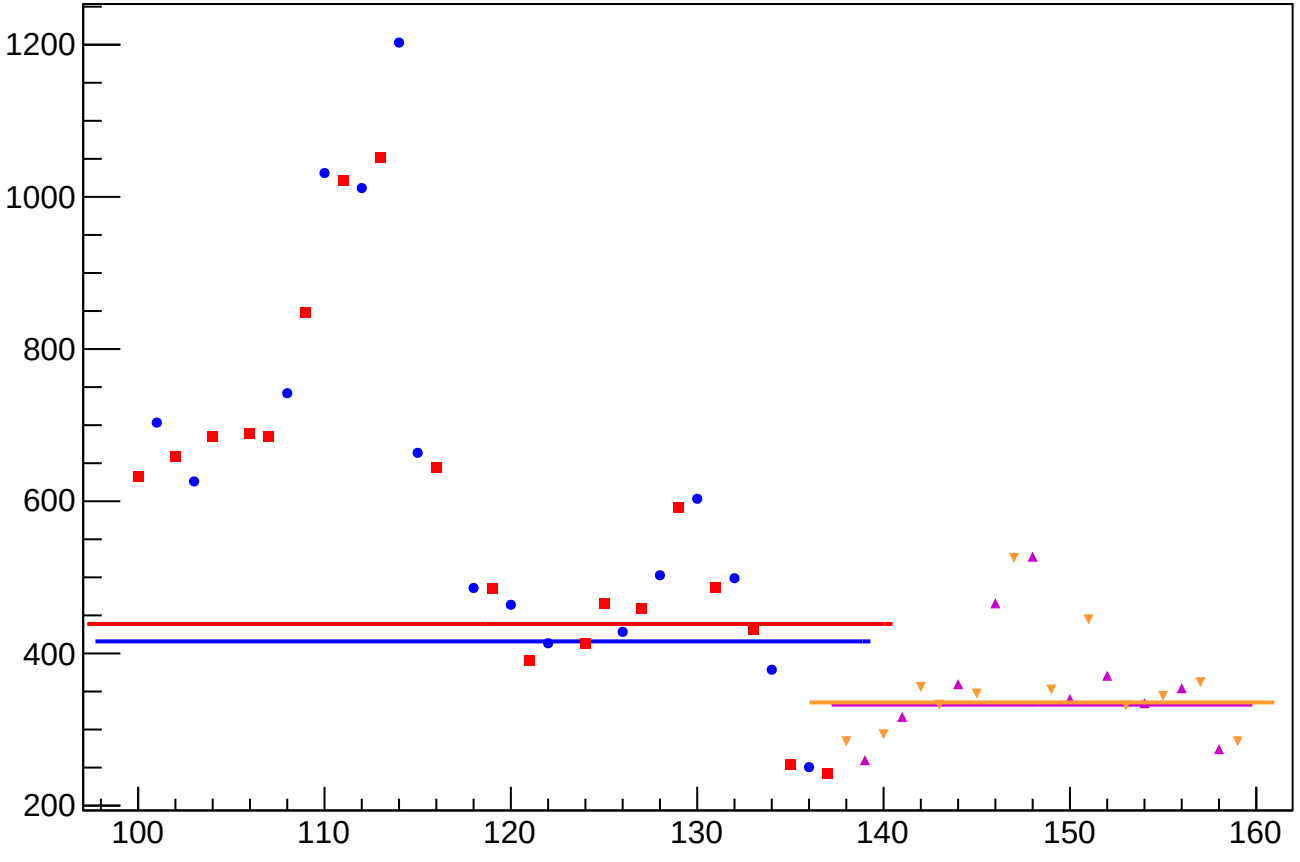
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 23.265+/-95.074 χ^2/NDF:31.8/25

Out: -76.317+/-93.386 χ^2/NDF:37.8/30

All: -27.418+/-66.623 χ^2/NDF: 70.2/56

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 335.637+/-0.078 χ^2/NDF:466927.0/11

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 332.729+/-0.081 χ^2/NDF:615743.3/9

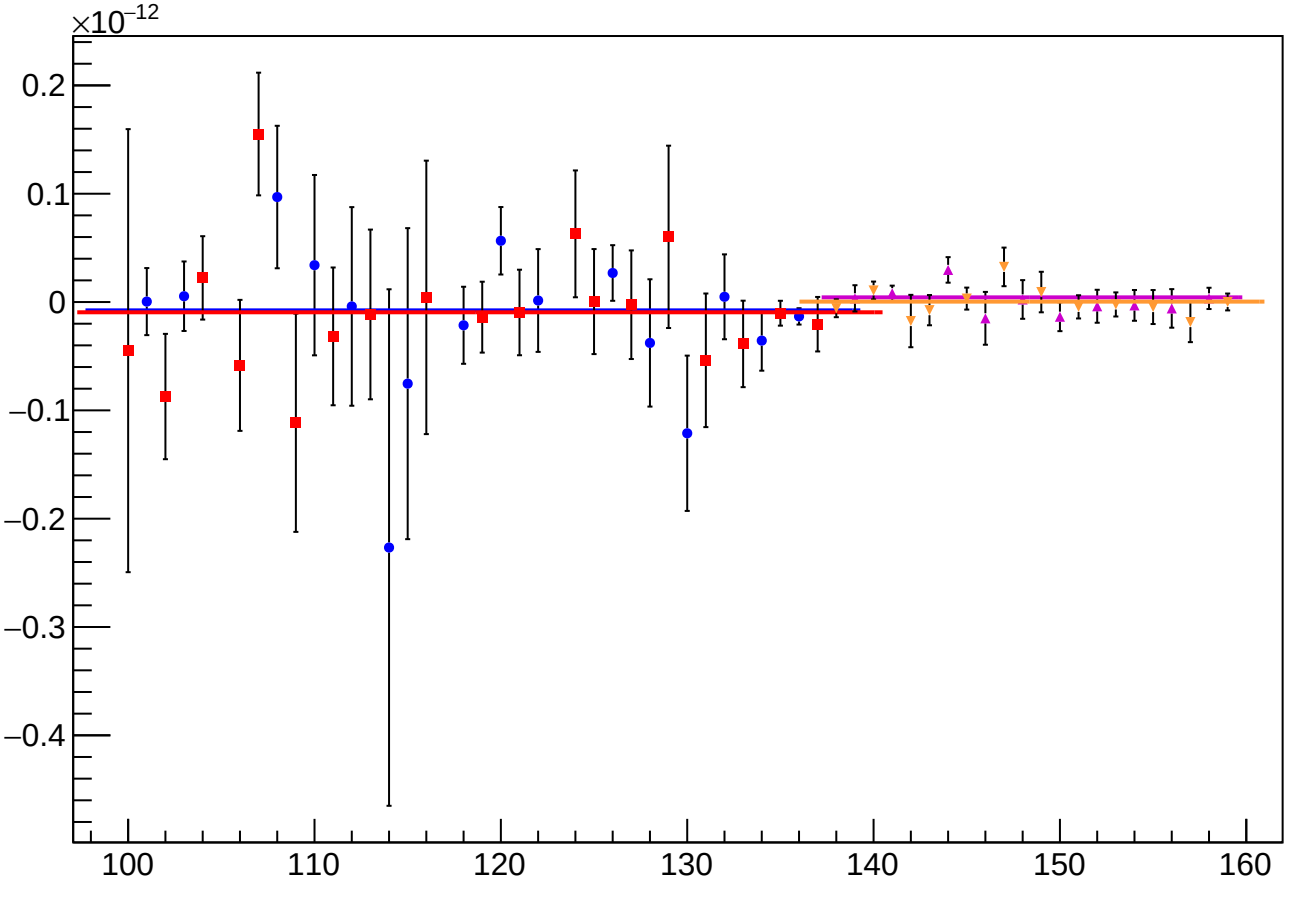
Left: 334.244+/-0.056 χ^2/NDF: 1083333.8/21

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 359.283+/-0.067 χ^2/NDF:3171988.8/25

Out: 365.102+/-0.066 χ^2/NDF:3199523.0/30

All: 362.245+/-0.047 χ^2/NDF: 6375325.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/9

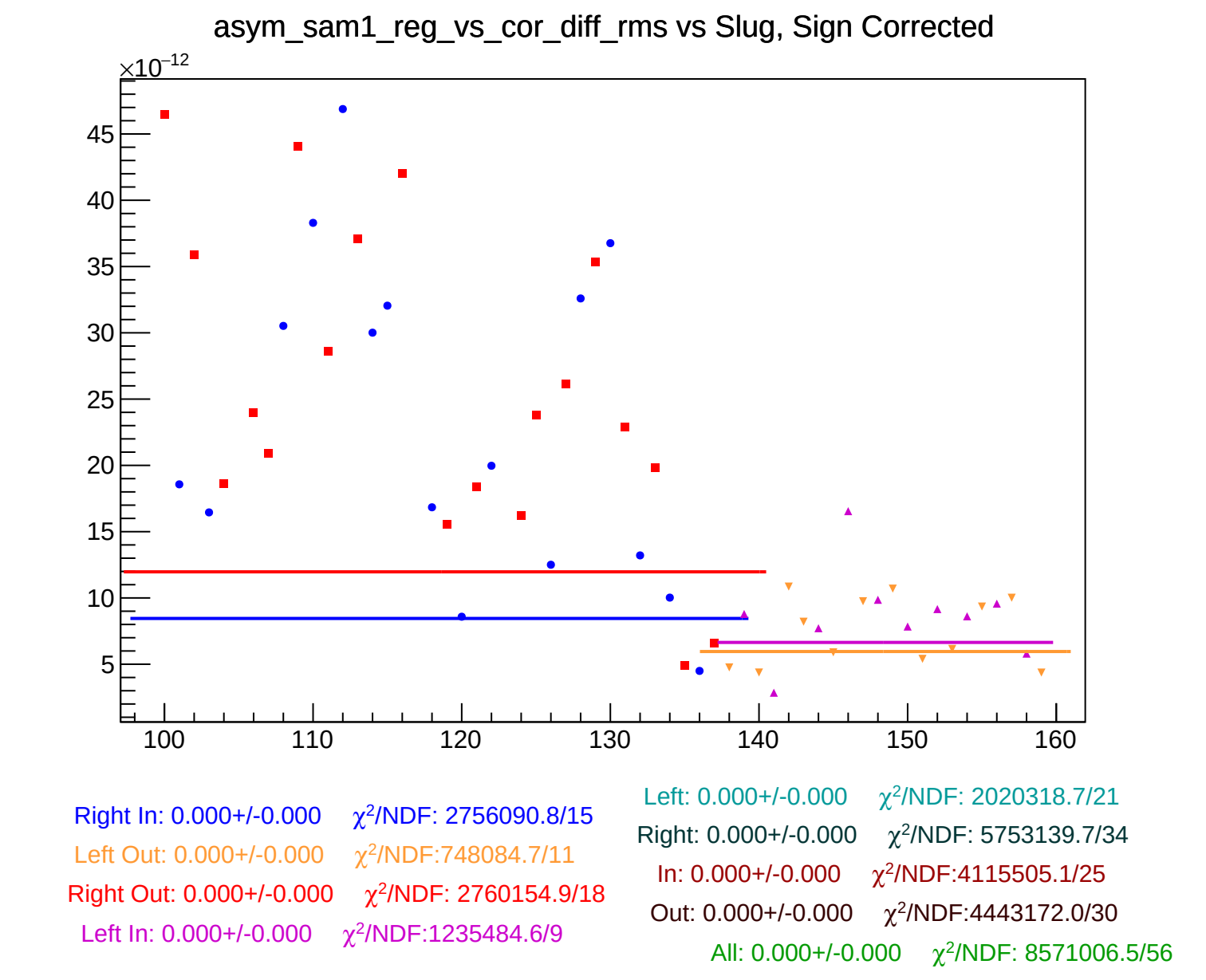
Left: 0.000+/-0.000 χ^2/NDF: 16.8/21

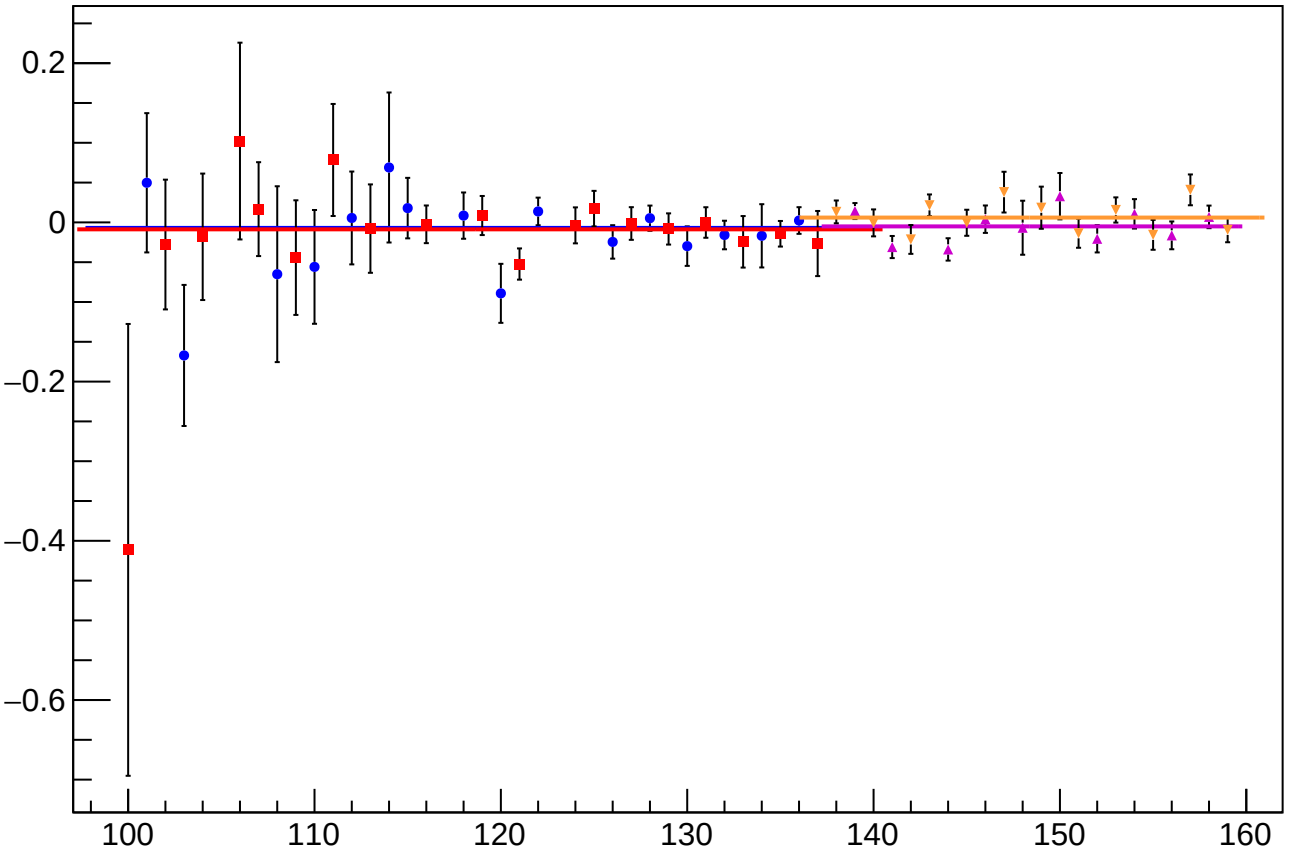
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.8/25

Out: -0.000+/-0.000 χ^2/NDF:25.5/30

All: -0.000+/-0.000 χ^2/NDF: 51.4/56


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:748084.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1235484.6/9
Left: 0.000+/-0.000 χ²/NDF: 2020318.7/21
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4115505.1/25
Out: 0.000+/-0.000 χ²/NDF:4443172.0/30
All: 0.000+/-0.000 χ²/NDF: 8571006.5/56



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:13.0/11

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

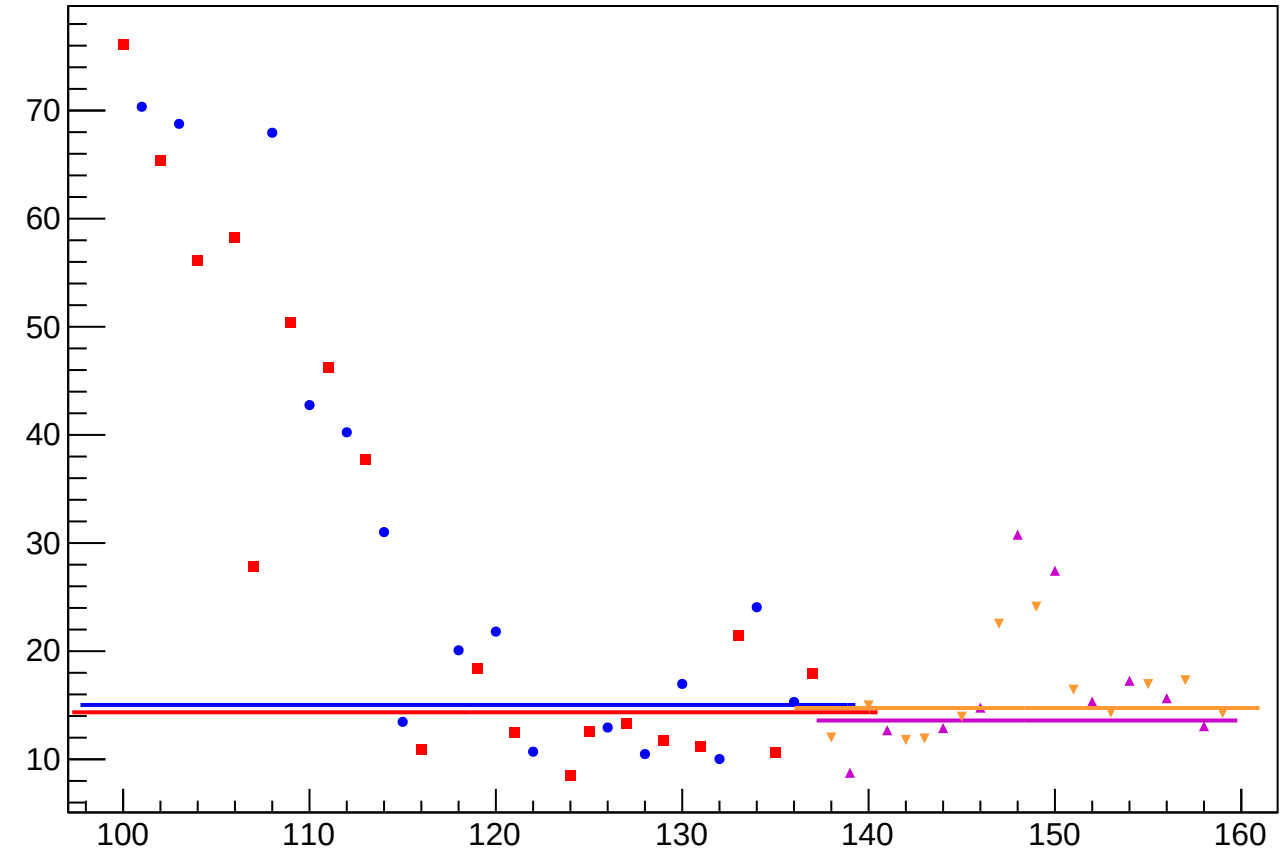
Left: 0.001+/-0.004 χ^2/NDF: 31.5/21

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.003+/-0.003 χ^2/NDF: 61.2/56



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.744+/-0.004 χ^2/NDF:736588.5/11

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

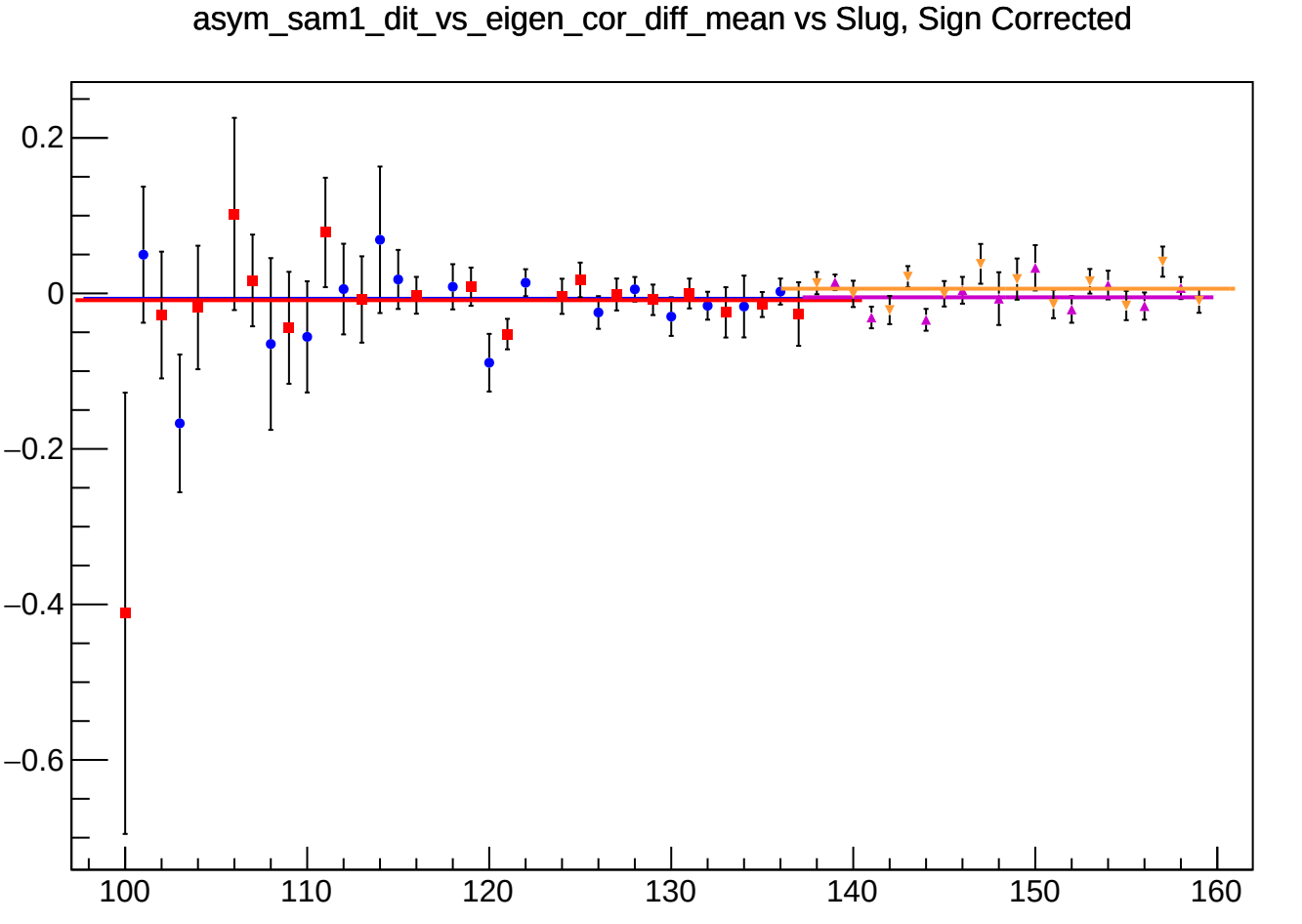
Left: 14.166+/-0.002 χ^2/NDF: 2371605.2/21

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.099+/-0.003 χ^2/NDF:5078554.7/25

Out: 14.594+/-0.003 χ^2/NDF:4370360.2/30

All: 14.351+/-0.002 χ^2/NDF: 9464434.3/56



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:13.0/11

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

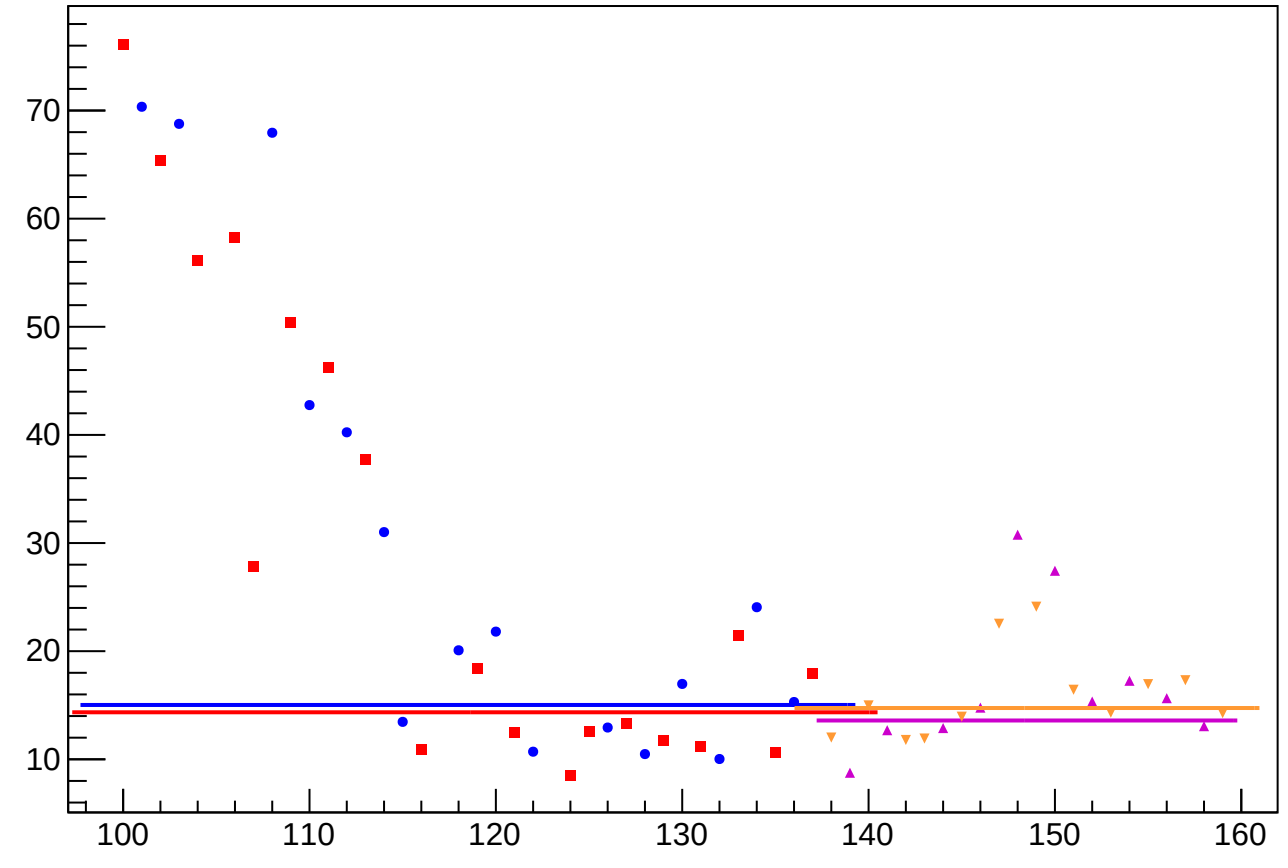
Left: 0.001+/-0.004 χ^2/NDF: 31.5/21

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.003+/-0.003 χ^2/NDF: 61.2/56



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.744+/-0.004 χ^2/NDF:736588.5/11

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

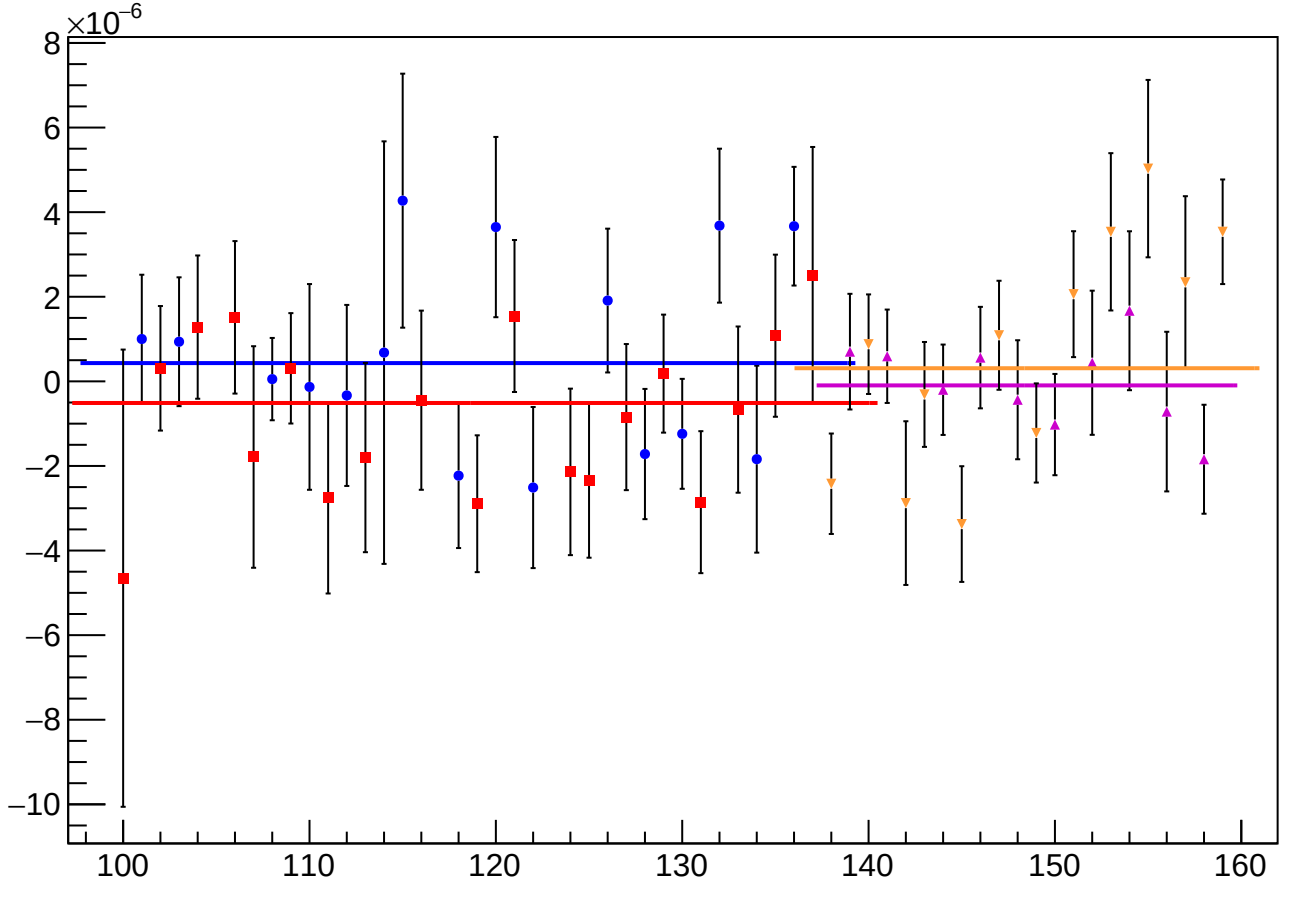
Left: 14.166+/-0.002 χ^2/NDF: 2371605.2/21

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.099+/-0.003 χ^2/NDF:5078554.7/25

Out: 14.594+/-0.003 χ^2/NDF:4370360.2/30

All: 14.351+/-0.002 χ^2/NDF: 9464434.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.1/11

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

Left In: -0.000+/-0.000 χ^2/NDF:4.6/9

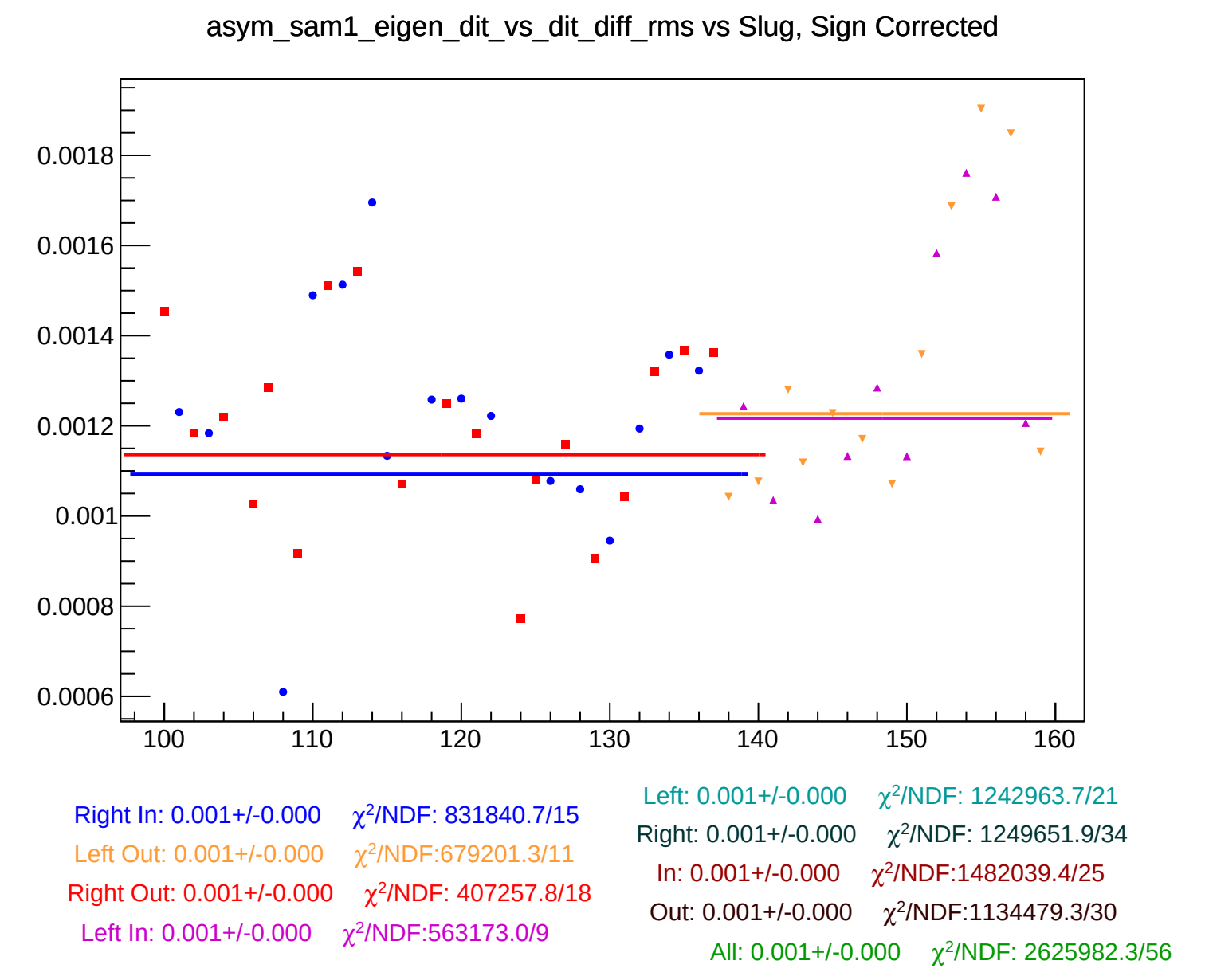
Left: 0.000+/-0.000 χ^2/NDF: 40.2/21

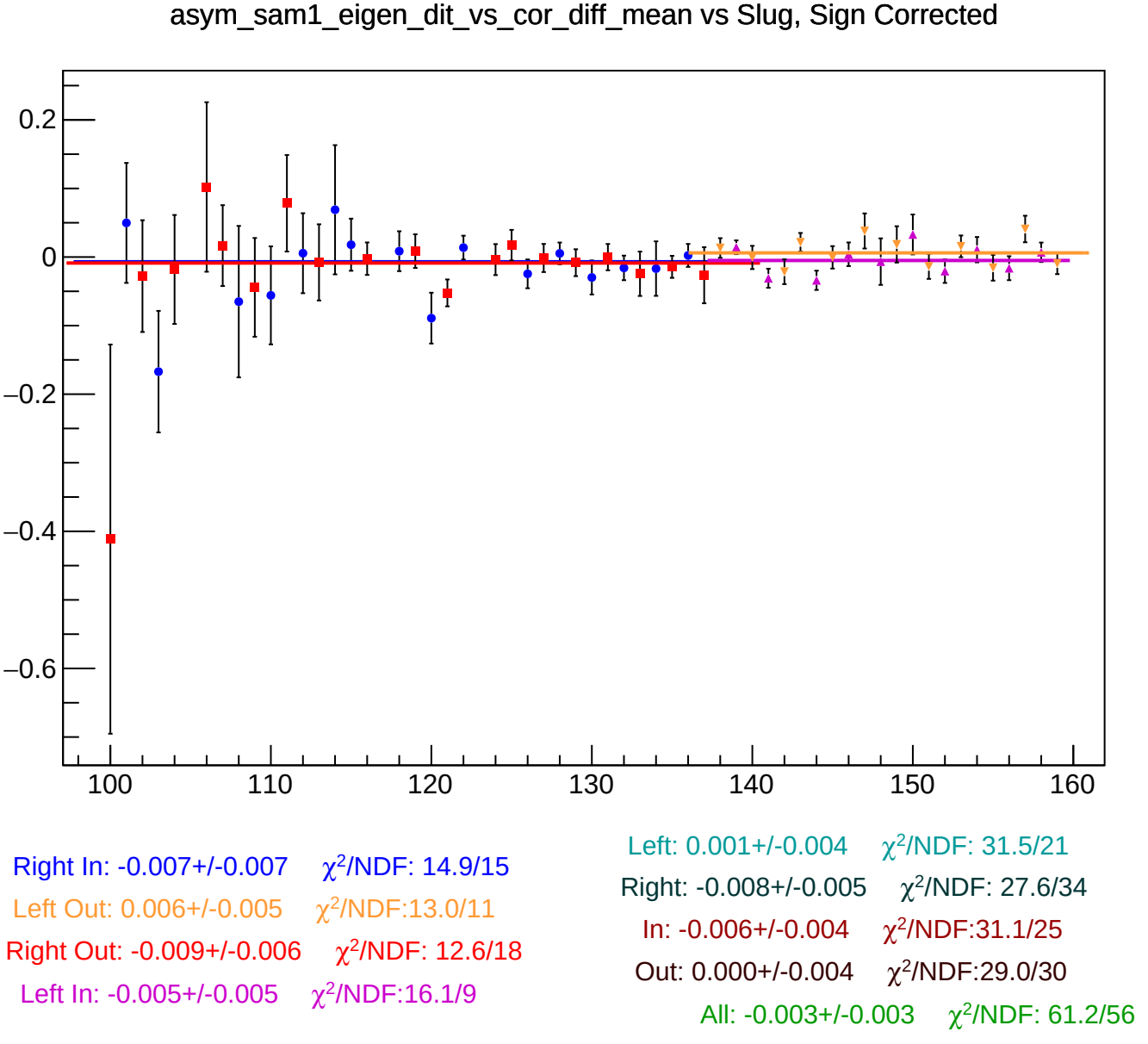
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

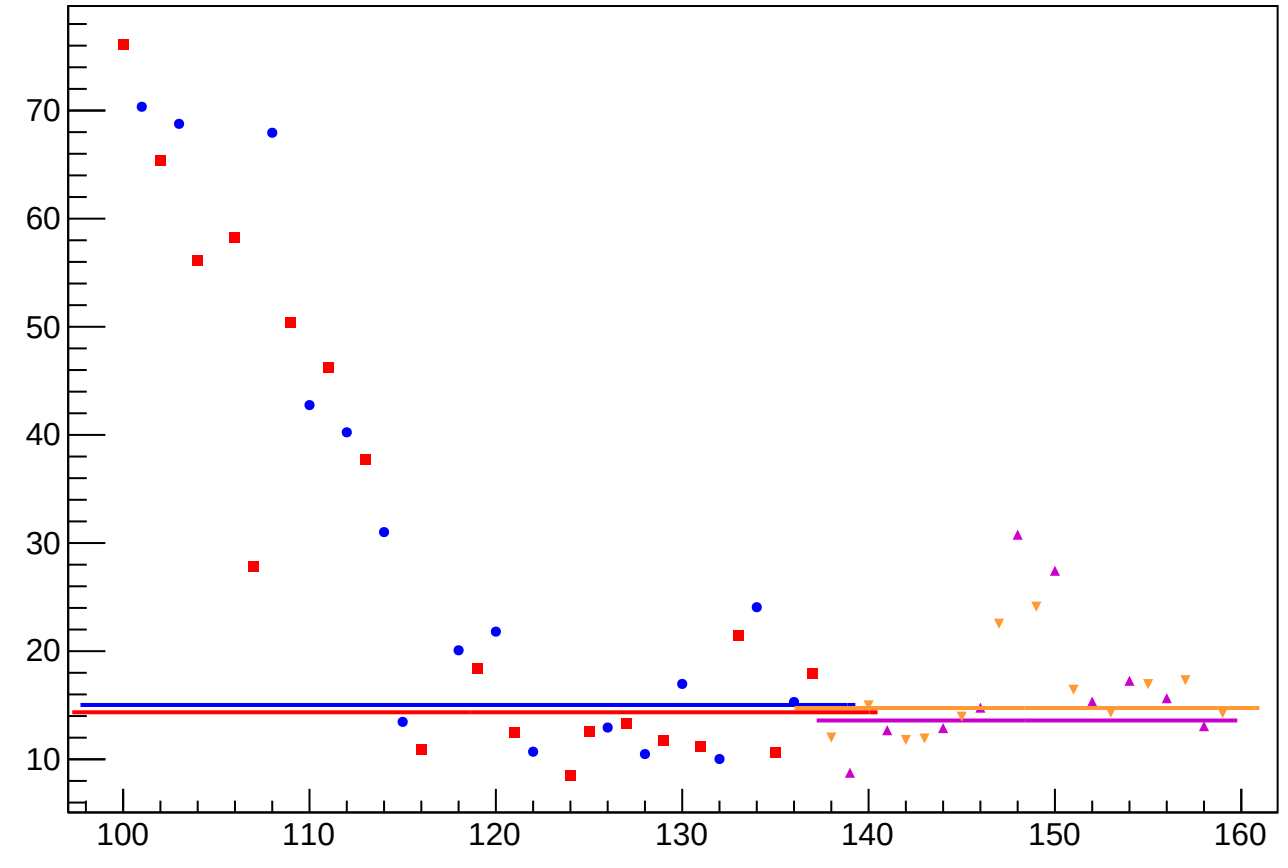
In: 0.000+/-0.000 χ^2/NDF:28.6/25

Out: -0.000+/-0.000 χ^2/NDF:51.3/30

All: 0.000+/-0.000 χ^2/NDF: 80.3/56


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
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:679201.3/11
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:563173.0/9
Left: 0.001+/-0.000 χ²/NDF: 1242963.7/21
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1482039.4/25
Out: 0.001+/-0.000 χ²/NDF:1134479.3/30
All: 0.001+/-0.000 χ²/NDF: 2625982.3/56


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.005 χ²/NDF:13.0/11
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.005+/-0.005 χ²/NDF:16.1/9
Left: 0.001+/-0.004 χ²/NDF: 31.5/21
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.004 χ²/NDF:31.1/25
Out: 0.000+/-0.004 χ²/NDF:29.0/30
All: -0.003+/-0.003 χ²/NDF: 61.2/56



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.743+/-0.004 χ^2/NDF:736595.0/11

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

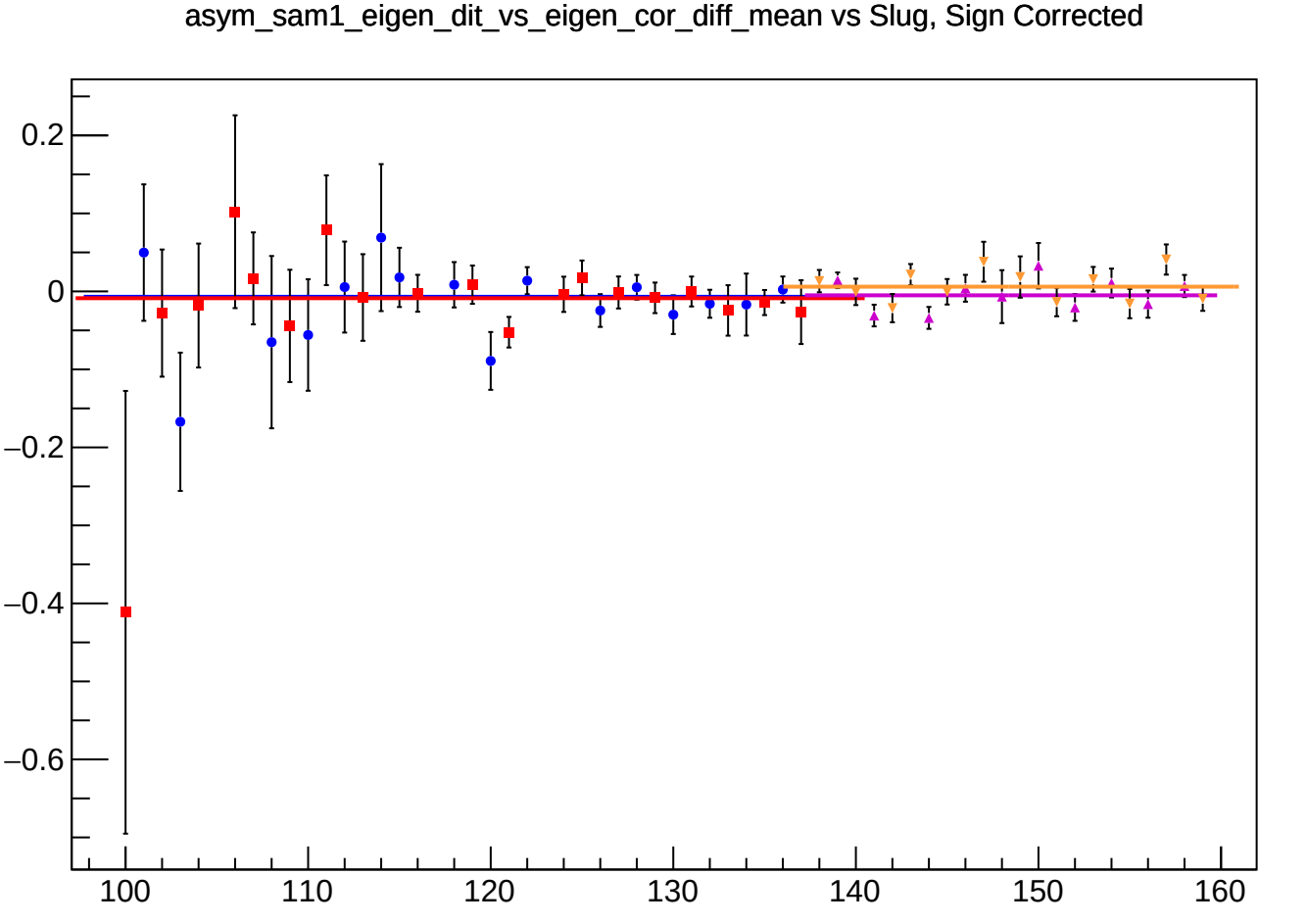
Left: 14.166+/-0.002 χ^2/NDF: 2371661.1/21

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5078603.7/25

Out: 14.593+/-0.003 χ^2/NDF:4370360.1/30

All: 14.351+/-0.002 χ^2/NDF: 9464488.2/56



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:13.0/11

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

Left: 0.001+/-0.004 χ^2/NDF: 31.5/21

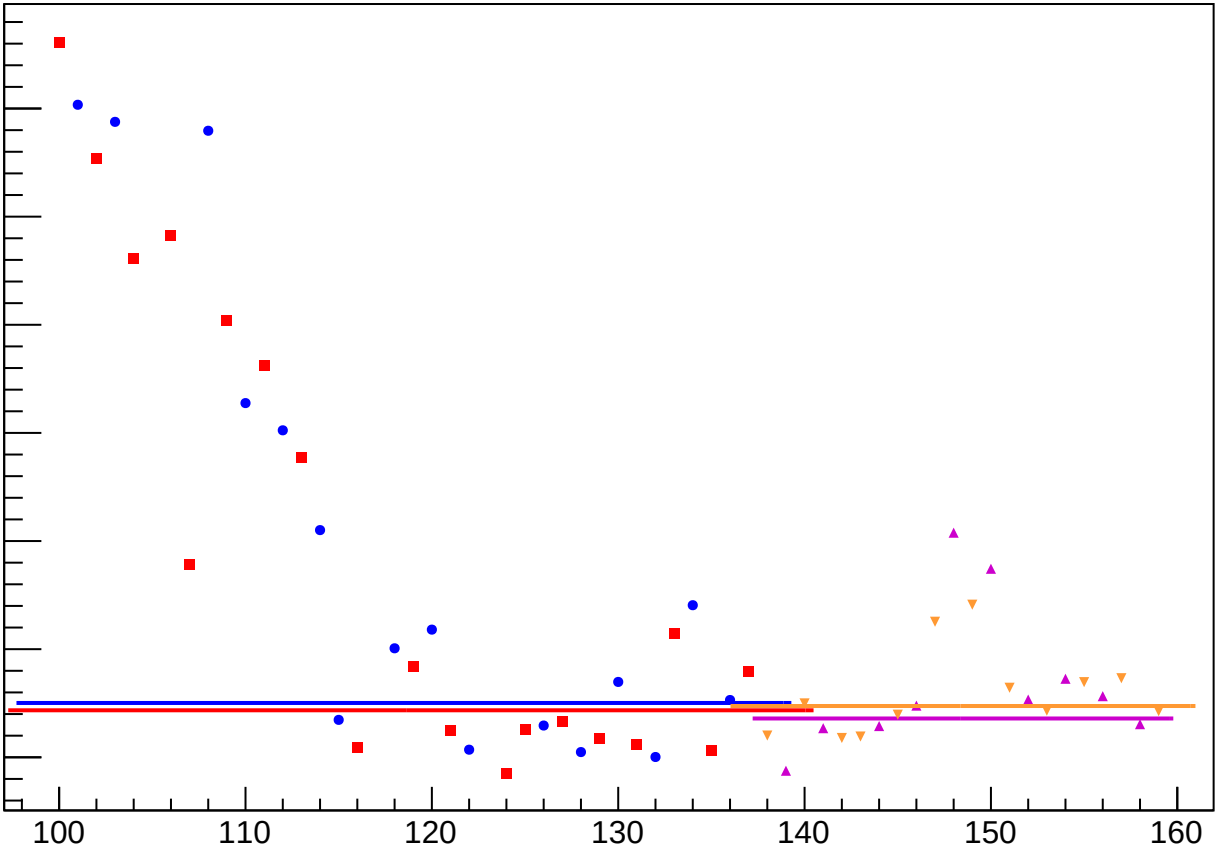
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.003+/-0.003 χ^2/NDF: 61.2/56

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: 14.743+/-0.004 χ^2/NDF:736595.0/11

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

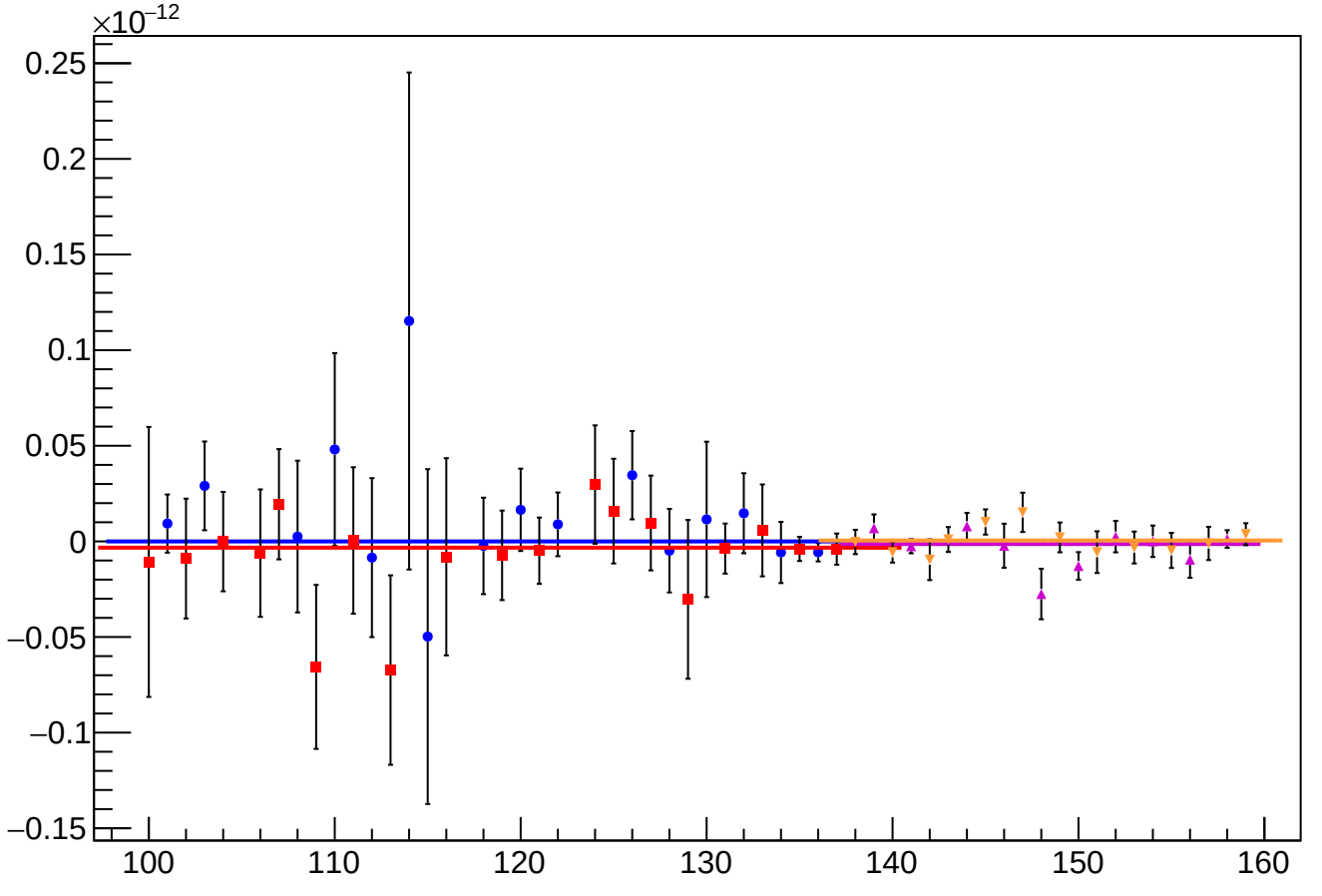
Left: 14.166+/-0.002 χ^2/NDF: 2371661.1/21

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5078603.7/25

Out: 14.593+/-0.003 χ^2/NDF:4370360.1/30

All: 14.351+/-0.002 χ^2/NDF: 9464488.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/9

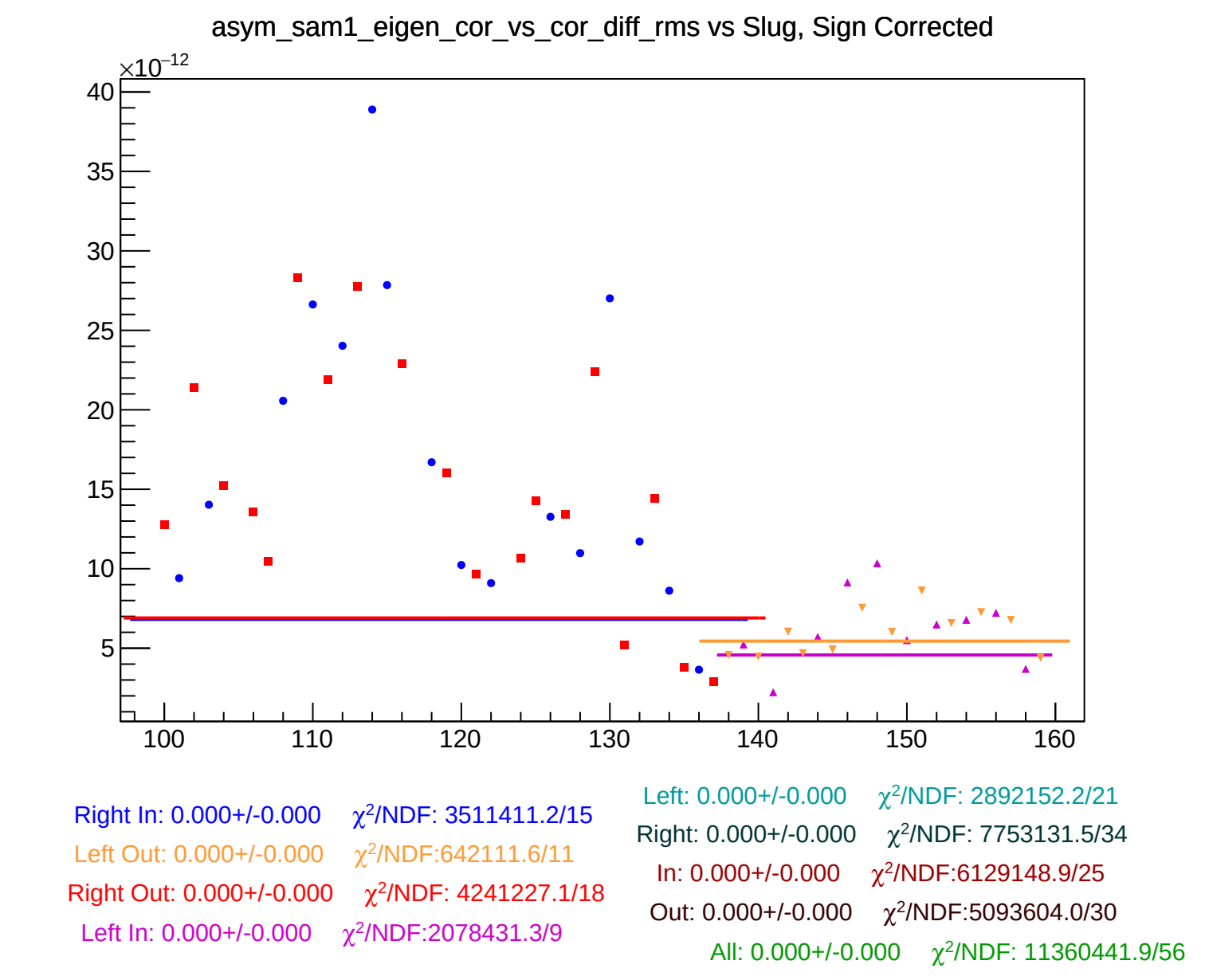
Left: -0.000+/-0.000 χ^2/NDF: 18.9/21

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

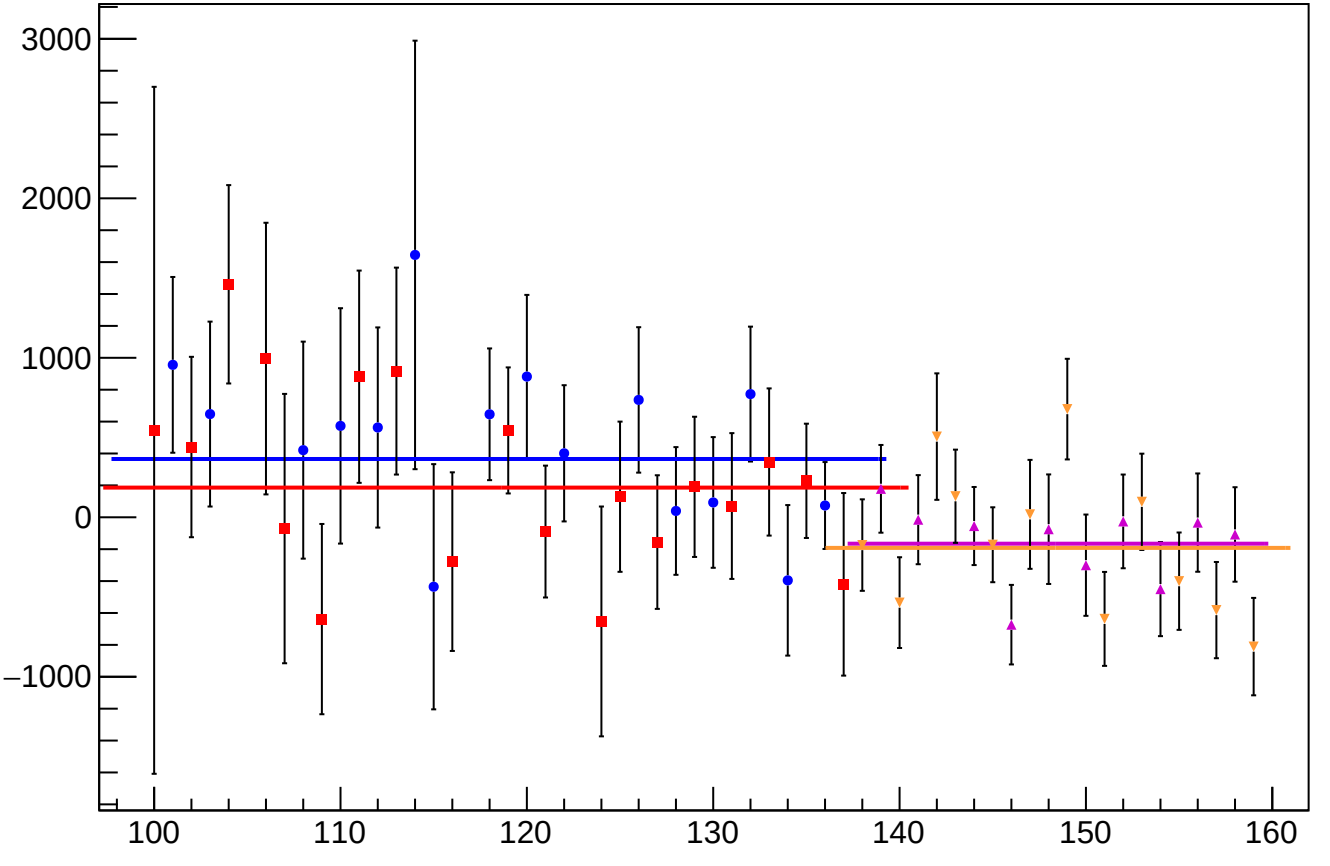
In: -0.000+/-0.000 χ^2/NDF:20.3/25

Out: -0.000+/-0.000 χ^2/NDF:15.3/30

All: -0.000+/-0.000 χ^2/NDF: 35.7/56


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
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:642111.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2078431.3/9
Left: 0.000+/-0.000 χ²/NDF: 2892152.2/21
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6129148.9/25
Out: 0.000+/-0.000 χ²/NDF:5093604.0/30
All: 0.000+/-0.000 χ²/NDF: 11360441.9/56

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -191.941+/-86.305 χ^2/NDF:23.2/11

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -165.564+/-90.465 χ^2/NDF:7.8/9

Left: -179.373+/-62.446 χ^2/NDF: 31.1/21

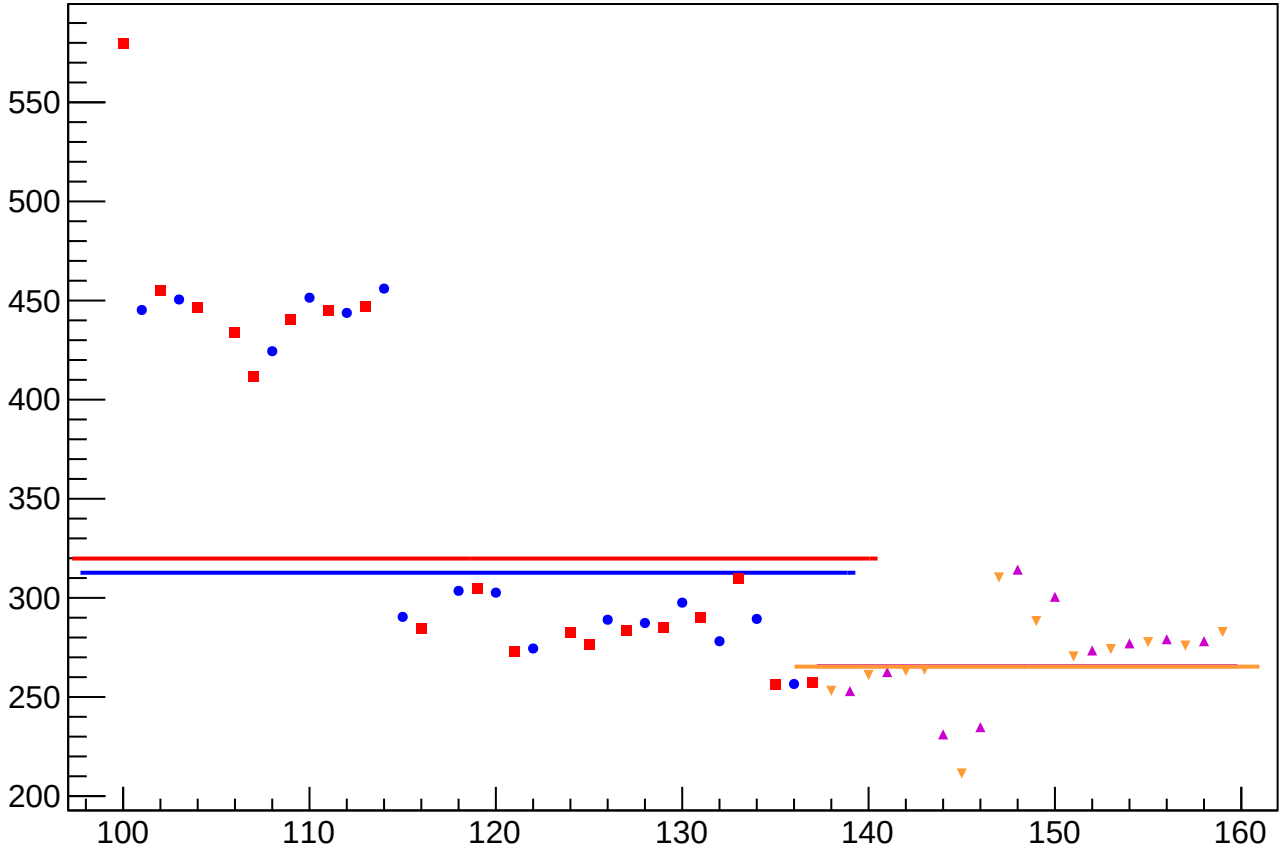
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 29.220+/-71.990 χ^2/NDF:32.0/25

Out: -63.311+/-70.103 χ^2/NDF:44.8/30

All: -18.274+/-50.224 χ^2/NDF: 77.6/56

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 265.305+/-0.061 χ^2/NDF:169401.8/11

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

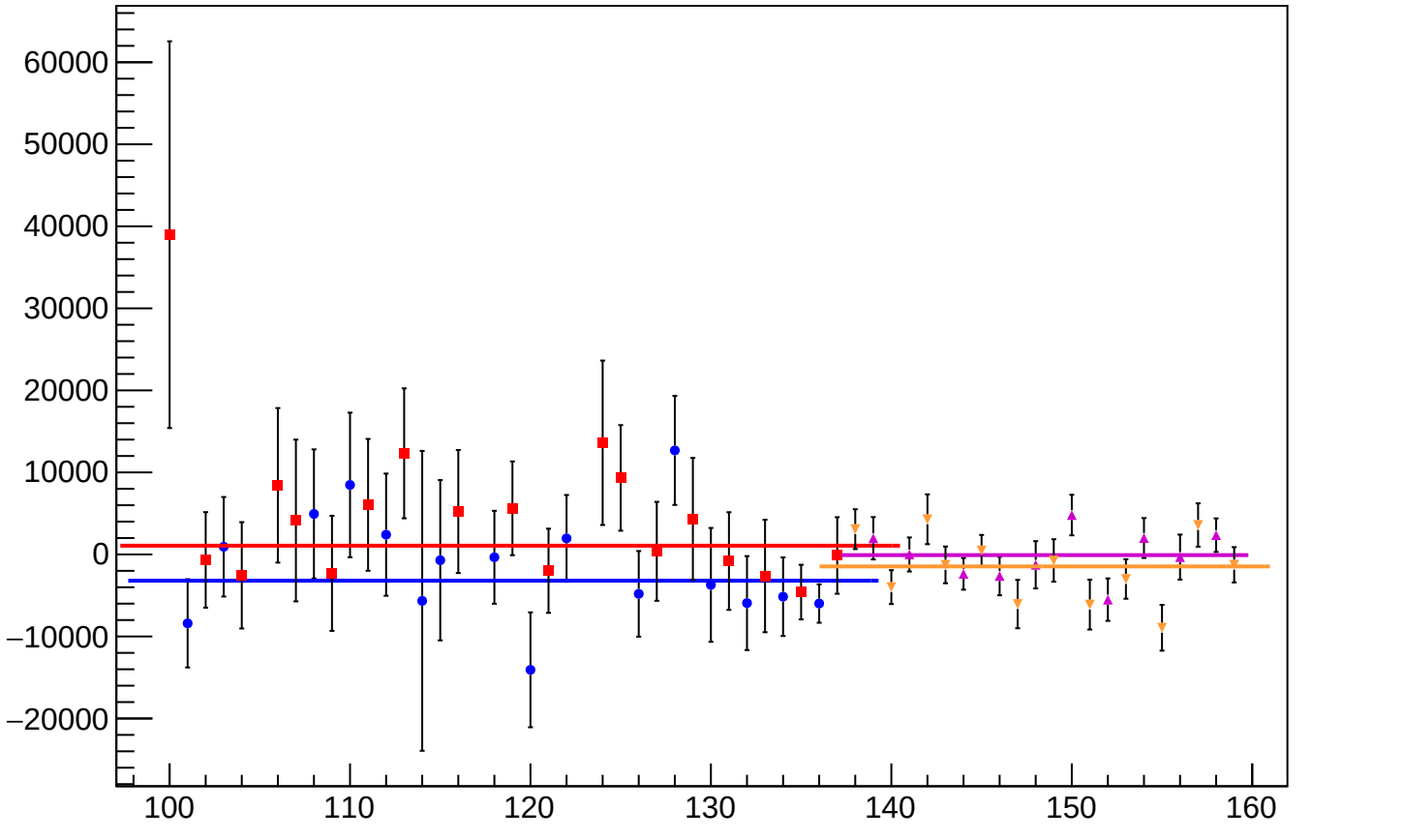
Left: 265.414+/-0.044 χ^2/NDF: 320258.2/21

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.826+/-0.051 χ^2/NDF:952295.9/25

Out: 283.859+/-0.050 χ^2/NDF:1138965.7/30

All: 283.356+/-0.036 χ^2/NDF: 2091473.0/56



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1459.982+/-703.126 χ^2/NDF:25.7/11

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -82.998+/-744.151 χ^2/NDF:13.8/9

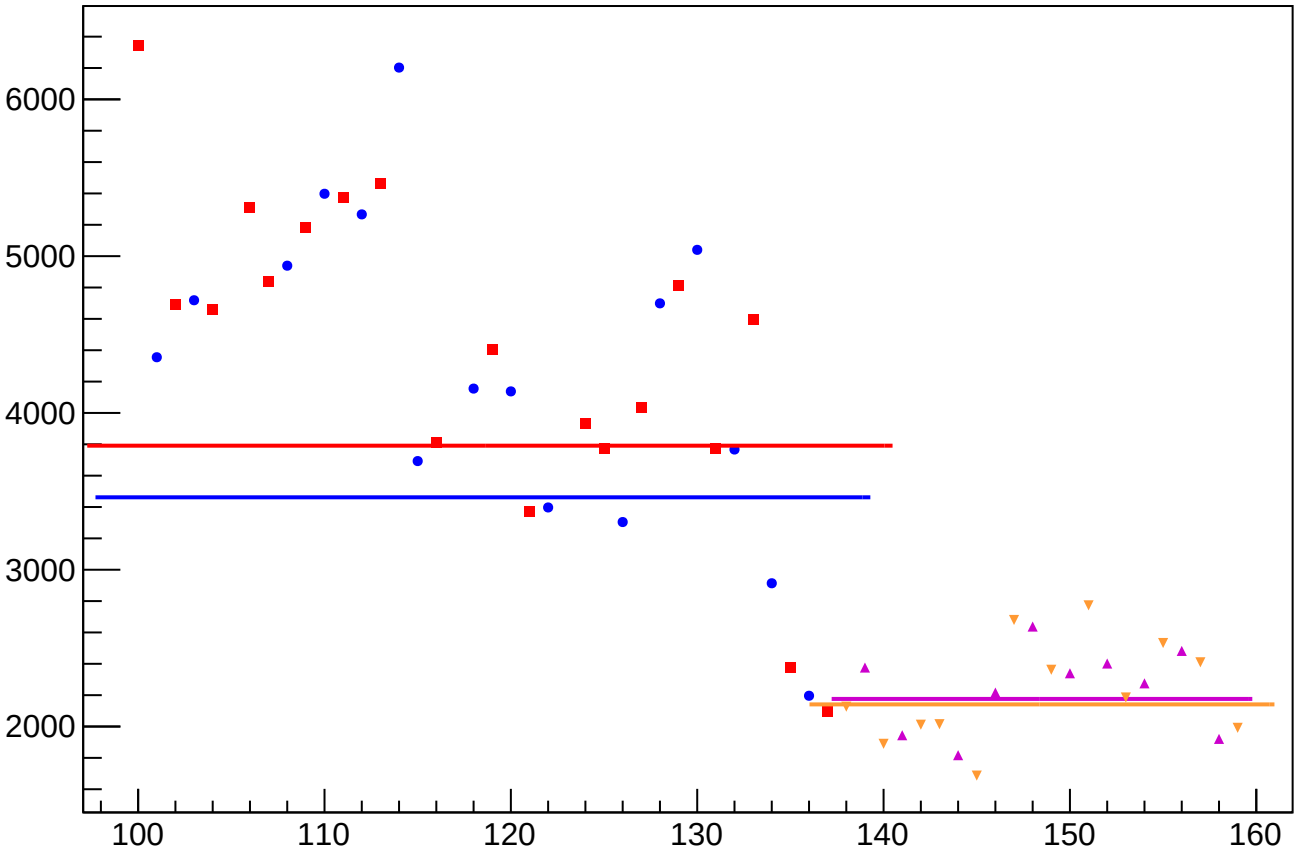
Left: -810.491+/-511.073 χ^2/NDF: 41.3/21

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -805.950+/-652.128 χ^2/NDF:34.0/25

Out: -975.503+/-632.109 χ^2/NDF:42.6/30

All: -893.369+/-453.881 χ^2/NDF: 76.6/56



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2141.134+/-0.497 χ^2/NDF:392491.2/11

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2176.030+/-0.526 χ^2/NDF:241108.6/9

Left: 2157.594+/-0.361 χ^2/NDF: 635923.5/21

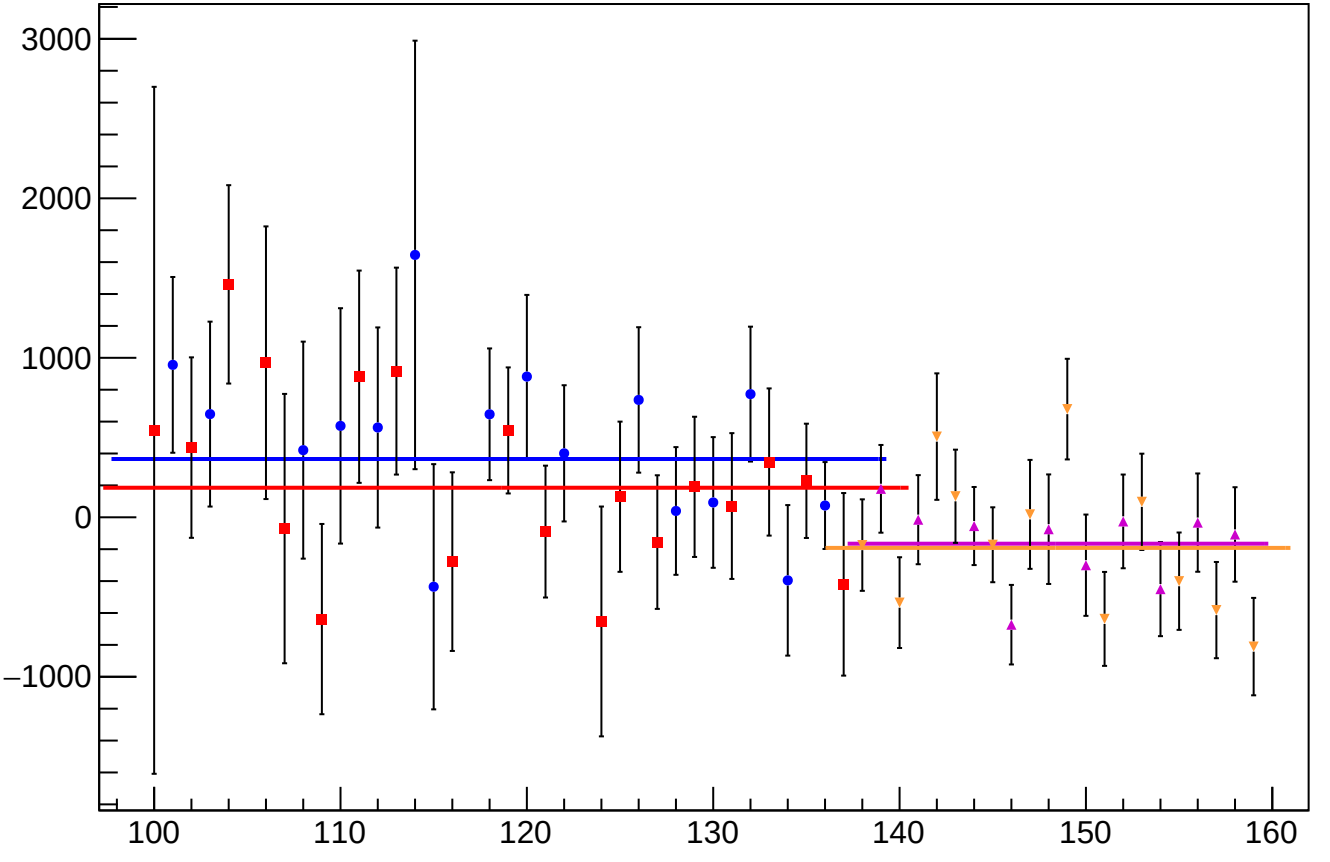
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2474.400+/-0.461 χ^2/NDF:2936383.7/25

Out: 2457.622+/-0.447 χ^2/NDF:3660885.7/30

All: 2465.749+/-0.321 χ^2/NDF: 6597951.9/56

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -191.924+/-86.305 χ^2/NDF:23.2/11

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -165.558+/-90.465 χ^2/NDF:7.8/9

Left: -179.361+/-62.446 χ^2/NDF: 31.1/21

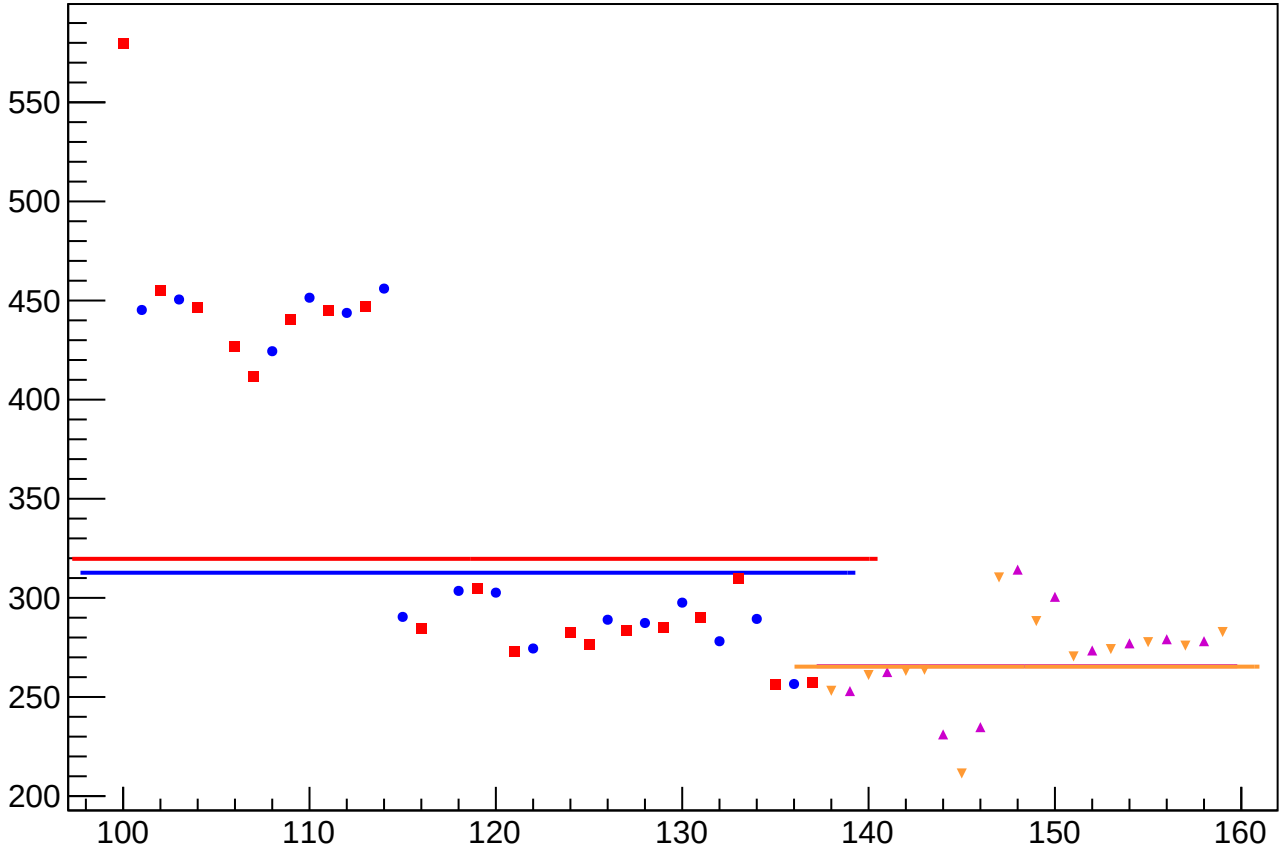
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 29.217+/-71.990 χ^2/NDF:32.0/25

Out: -63.591+/-70.105 χ^2/NDF:44.7/30

All: -18.417+/-50.225 χ^2/NDF: 77.5/56

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 265.305+/-0.061 χ^2/NDF:169401.8/11

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

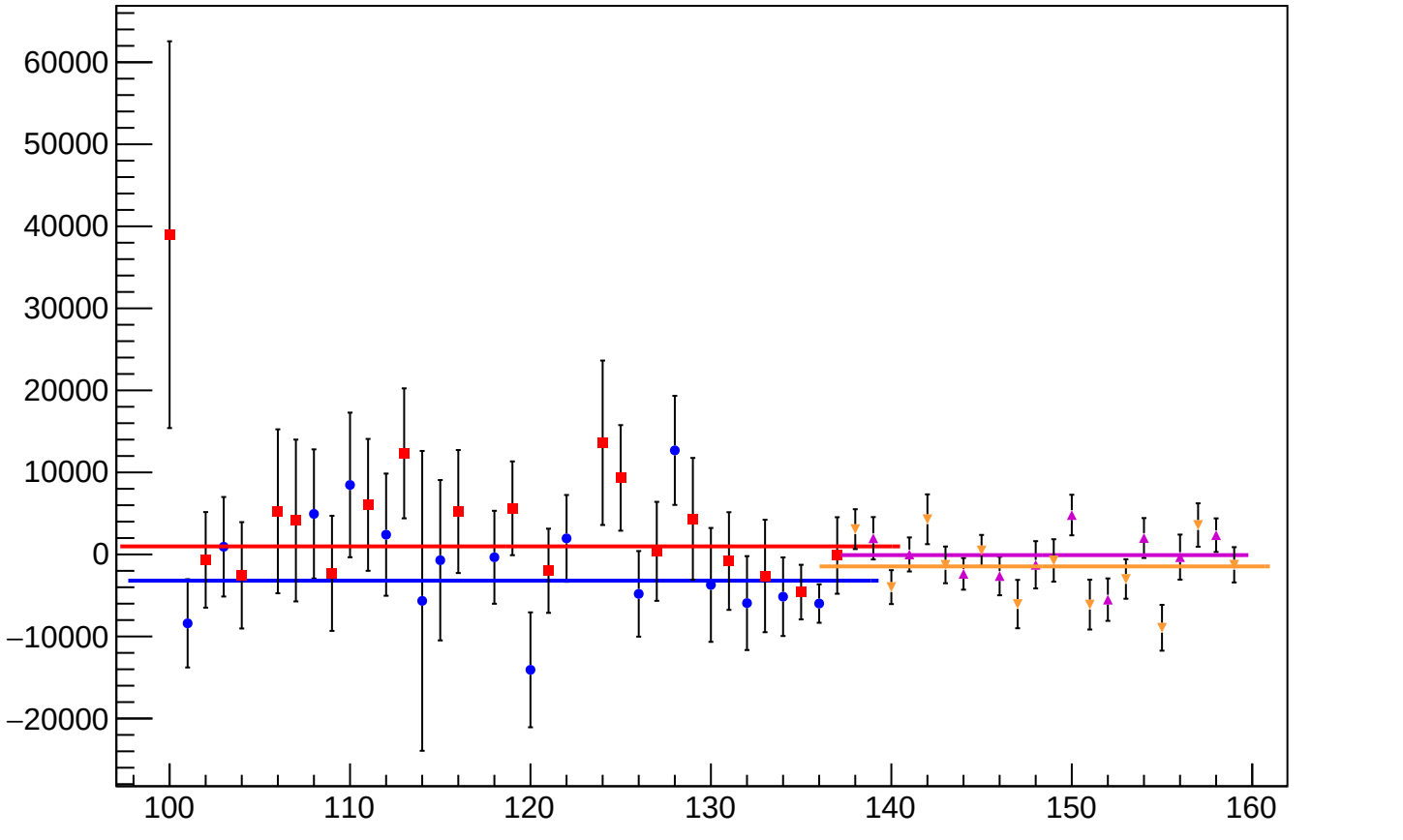
Left: 265.414+/-0.044 χ^2/NDF: 320258.2/21

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.826+/-0.051 χ^2/NDF:952297.5/25

Out: 283.806+/-0.050 χ^2/NDF:1133294.7/30

All: 283.329+/-0.036 χ^2/NDF: 2085782.6/56


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
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30000
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110
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130
140
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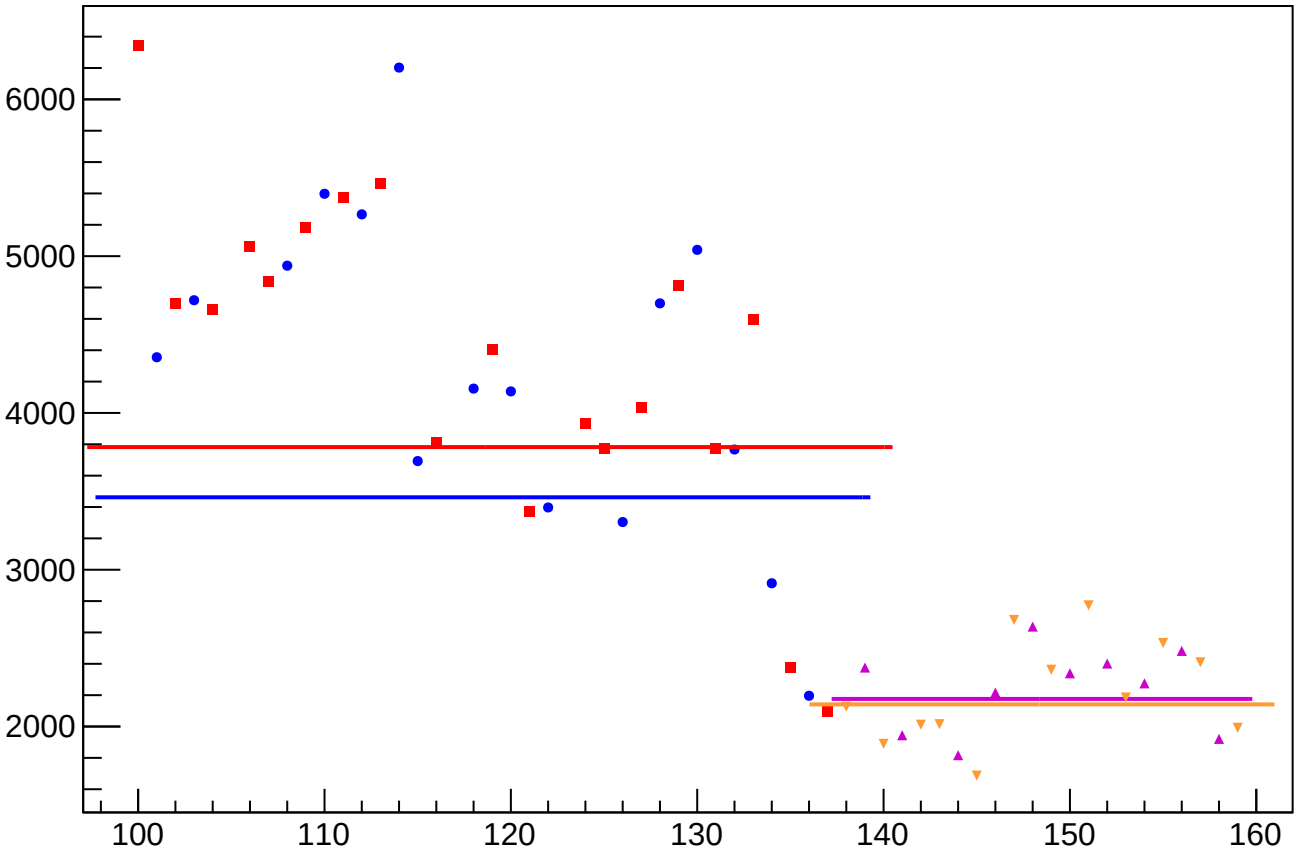
160
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1459.967+/-703.126 χ²/NDF:25.7/11
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -82.989+/-744.151 χ²/NDF:13.8/9
Left: -810.480+/-511.073 χ²/NDF: 41.3/21
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -805.926+/-652.128 χ²/NDF:34.0/25
Out: -992.810+/-632.271 χ²/NDF:42.0/30
All: -902.256+/-453.941 χ²/NDF: 76.0/56



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2141.134+/-0.497 χ^2/NDF:392492.2/11

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

Left: 2157.594+/-0.361 χ^2/NDF: 635924.7/21

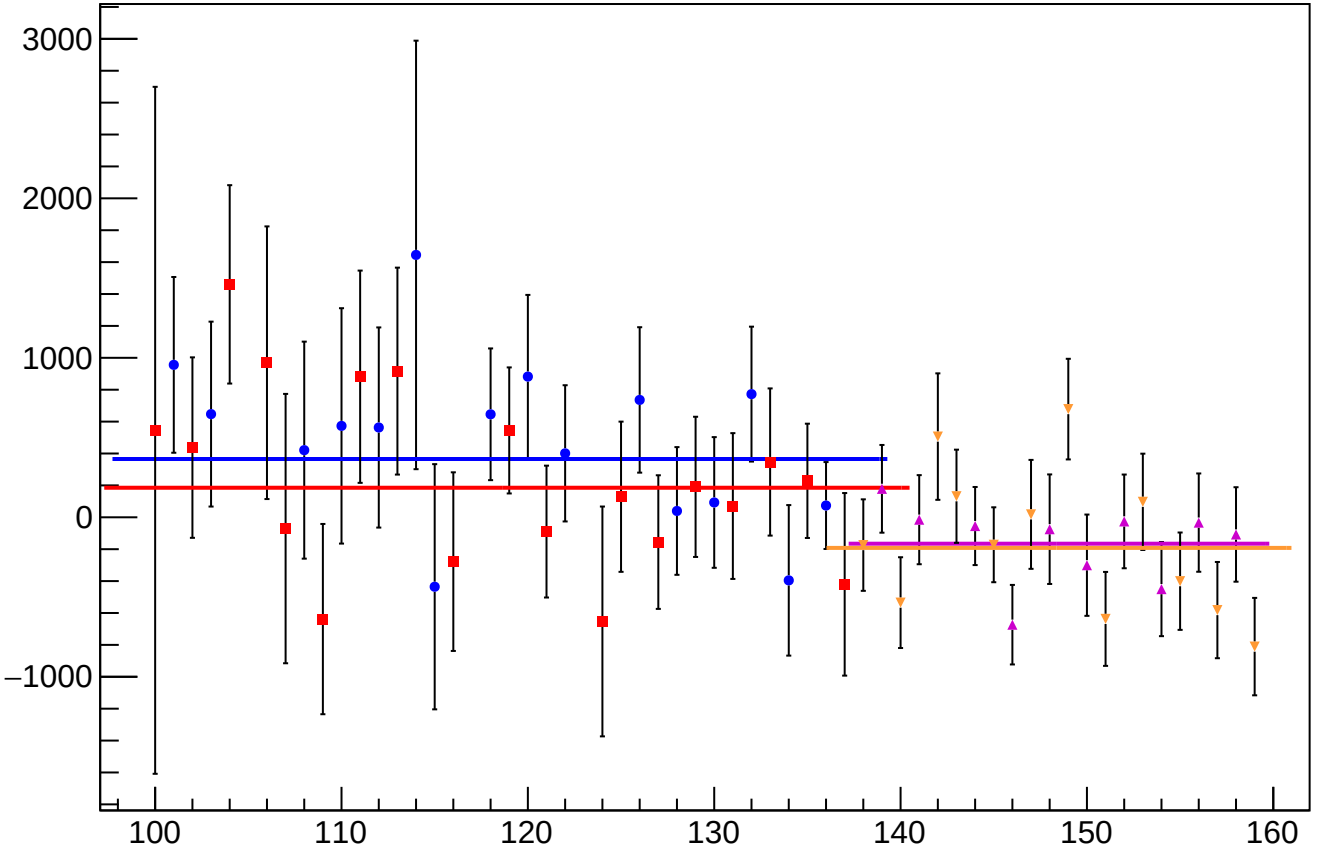
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2474.400+/-0.461 χ^2/NDF:2936404.1/25

Out: 2455.208+/-0.447 χ^2/NDF:3613881.1/30

All: 2464.507+/-0.321 χ^2/NDF: 6551178.2/56

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -191.924+/-86.305 χ^2/NDF:23.2/11

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -165.558+/-90.465 χ^2/NDF:7.8/9

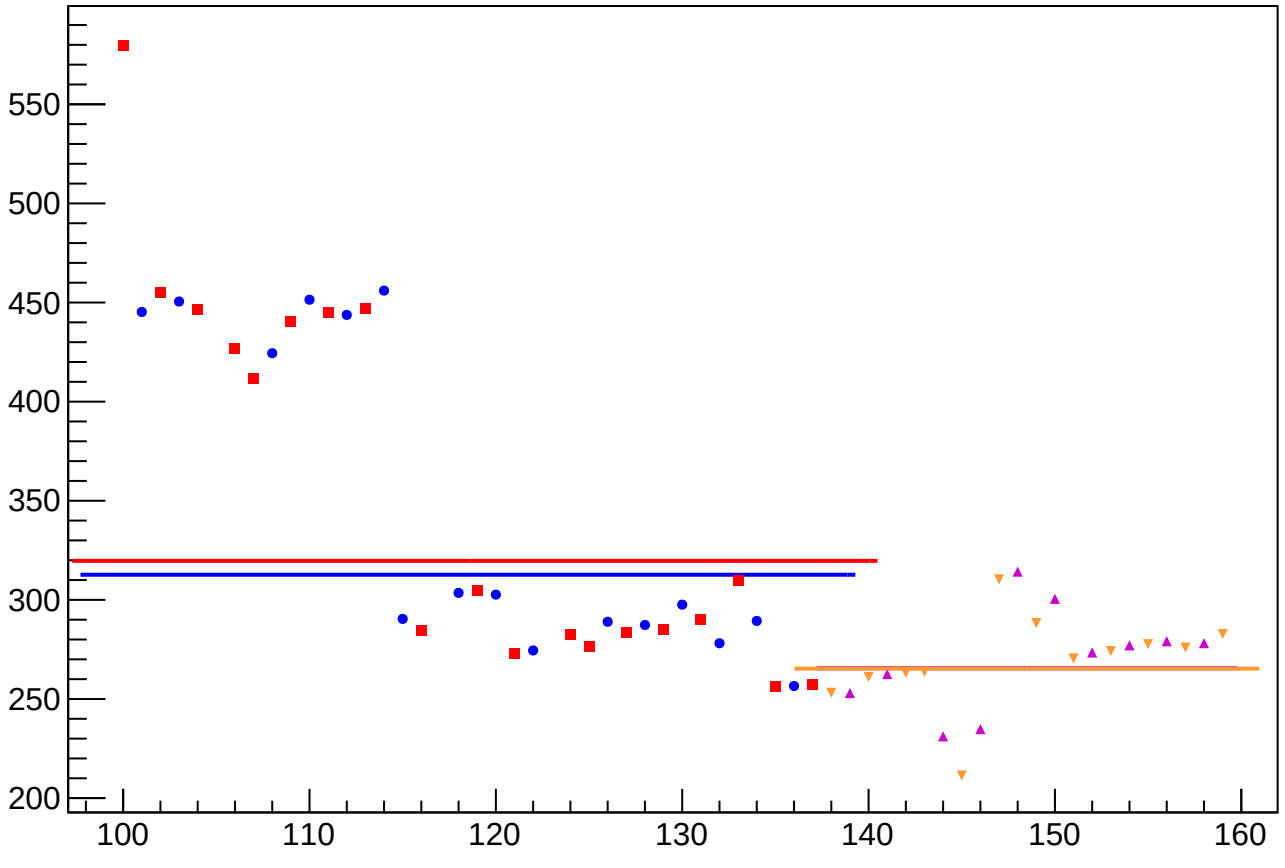
Left: -179.361+/-62.446 χ^2/NDF: 31.1/21

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 29.217+/-71.990 χ^2/NDF:32.0/25

Out: -63.591+/-70.105 χ^2/NDF:44.7/30

All: -18.417+/-50.225 χ^2/NDF: 77.5/56



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 265.305+/-0.061 χ^2/NDF:169401.8/11

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

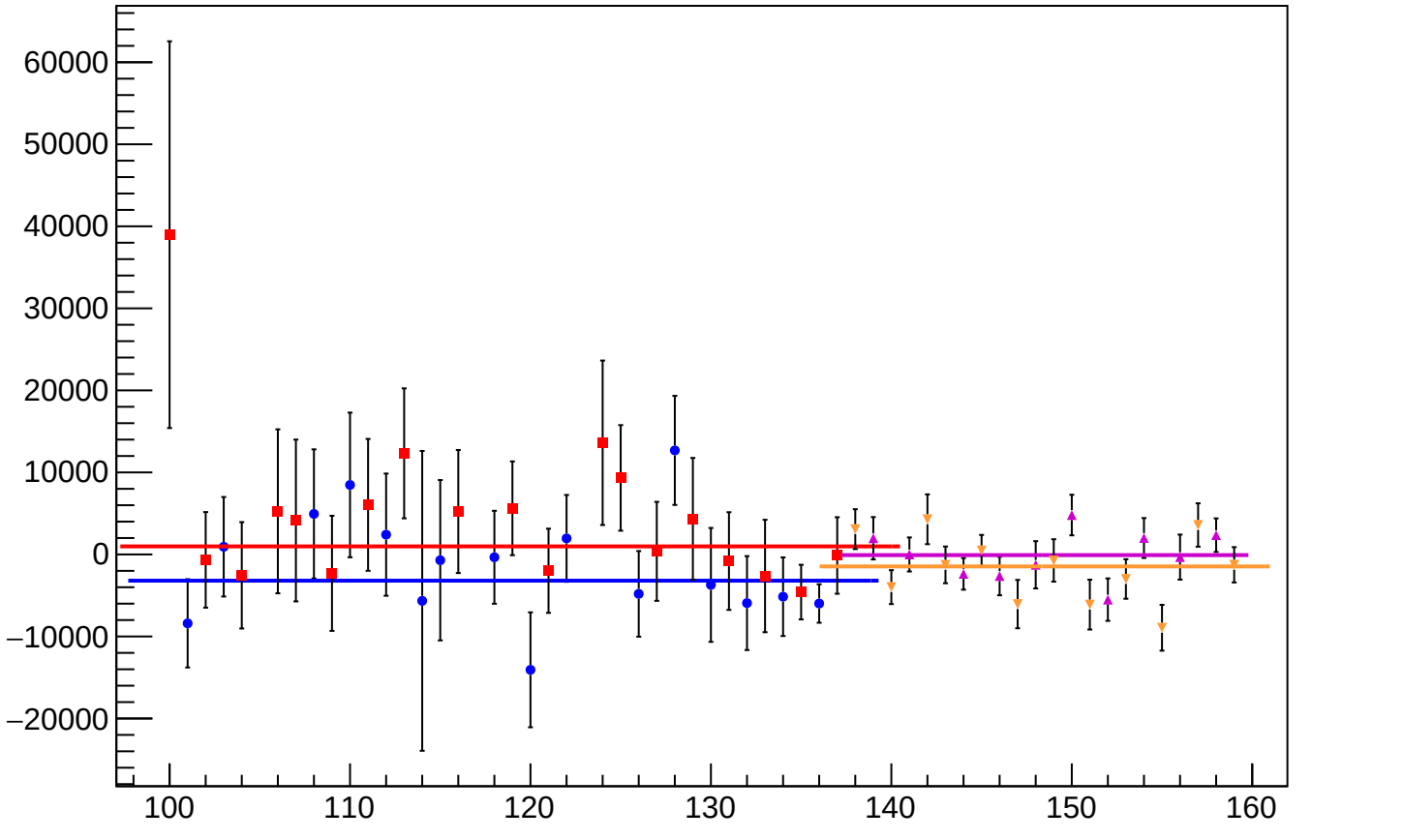
Left: 265.414+/-0.044 χ^2/NDF: 320258.2/21

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.826+/-0.051 χ^2/NDF:952297.5/25

Out: 283.806+/-0.050 χ^2/NDF:1133294.7/30

All: 283.329+/-0.036 χ^2/NDF: 2085782.6/56


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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−10000
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110
120
130
140
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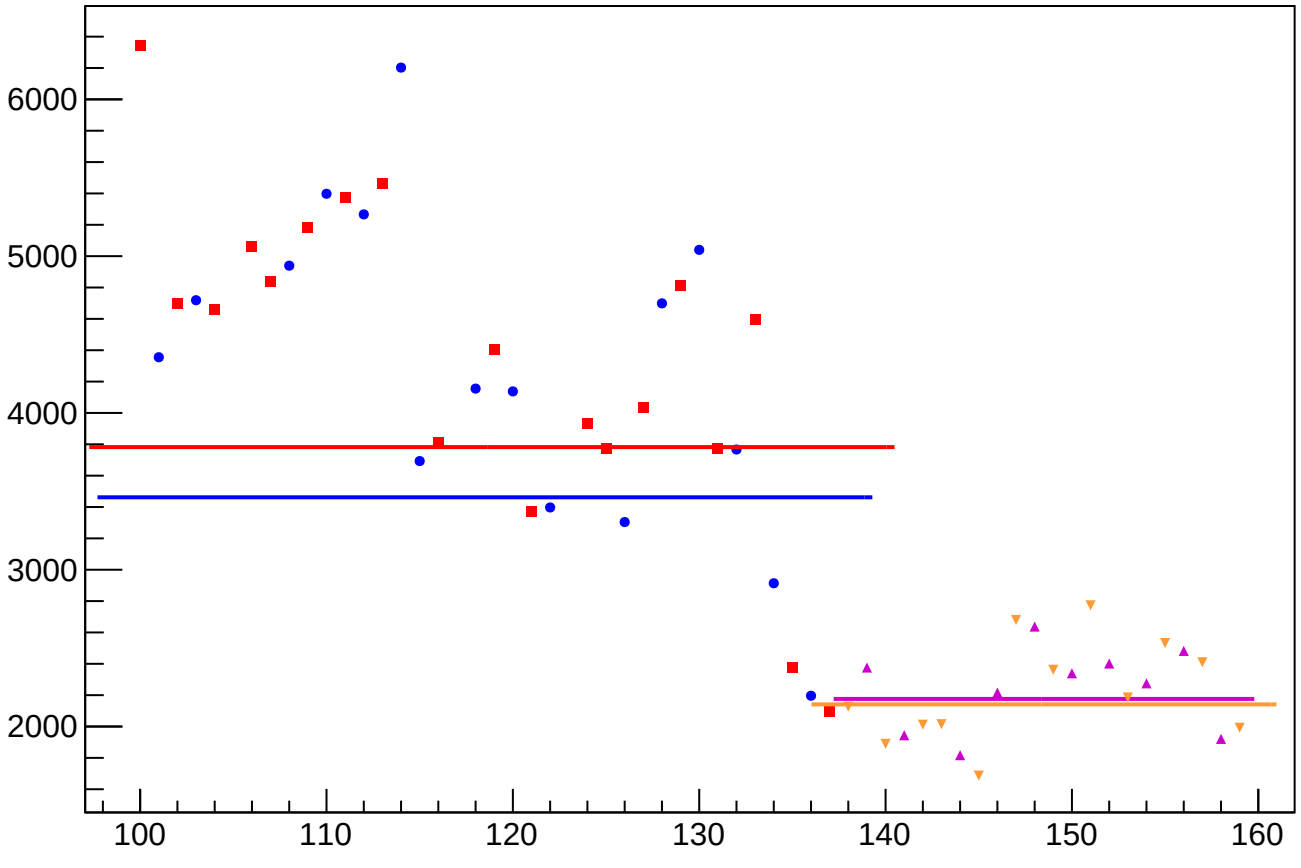
160
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1459.967+/-703.126 χ²/NDF:25.7/11
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -82.989+/-744.151 χ²/NDF:13.8/9
Left: -810.480+/-511.073 χ²/NDF: 41.3/21
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -805.926+/-652.128 χ²/NDF:34.0/25
Out: -992.810+/-632.271 χ²/NDF:42.0/30
All: -902.256+/-453.941 χ²/NDF: 76.0/56



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2141.134+/-0.497 χ^2/NDF:392492.2/11

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

Left: 2157.594+/-0.361 χ^2/NDF: 635924.7/21

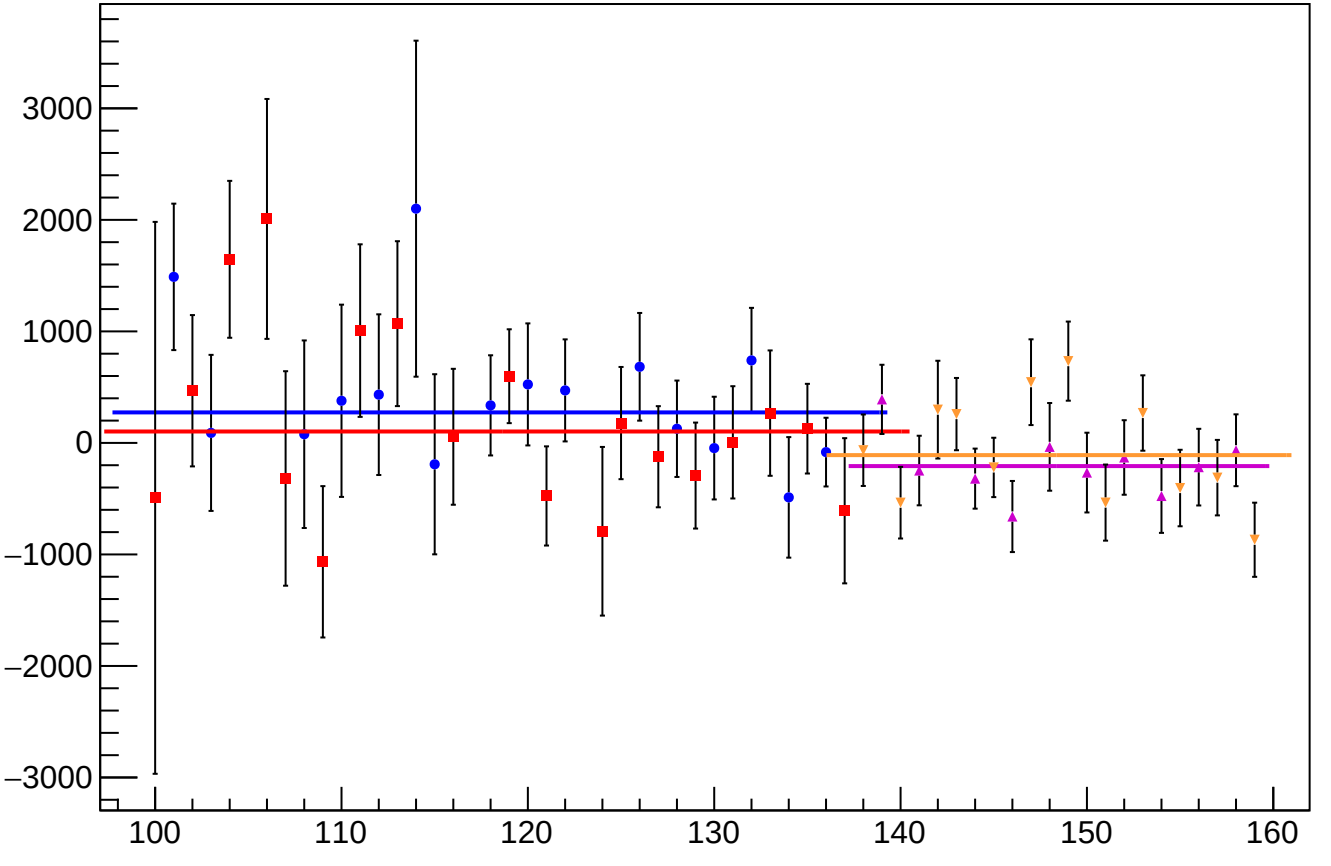
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2474.400+/-0.461 χ^2/NDF:2936404.1/25

Out: 2455.208+/-0.447 χ^2/NDF:3613881.1/30

All: 2464.507+/-0.321 χ^2/NDF: 6551178.2/56

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -109.511+/-96.851 χ^2/NDF:21.8/11

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -207.813+/-102.722 χ^2/NDF:7.0/9

Left: -155.774+/-70.468 χ^2/NDF: 29.3/21

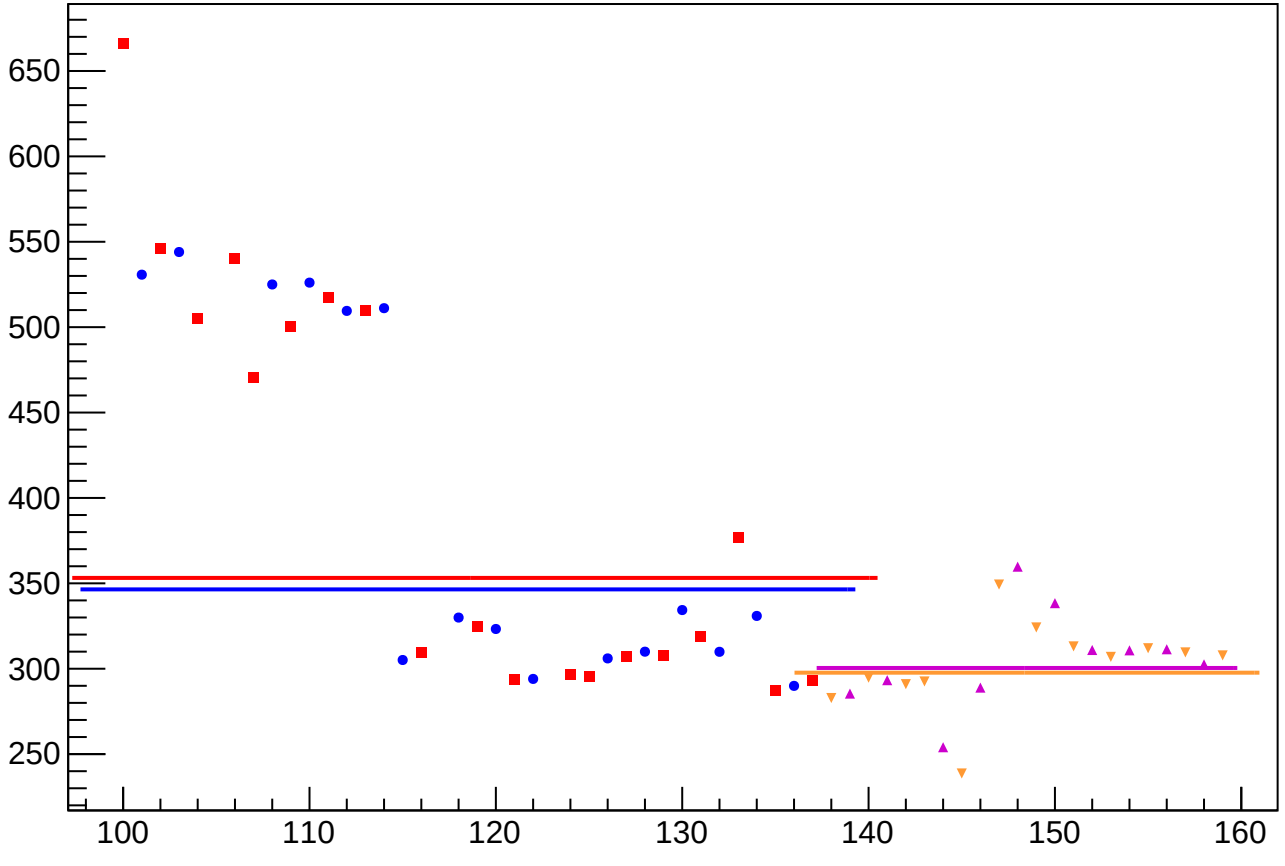
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -27.163+/-81.191 χ^2/NDF:26.7/25

Out: -36.525+/-78.416 χ^2/NDF:44.7/30

All: -32.007+/-56.404 χ^2/NDF: 71.4/56

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 297.685+/-0.068 χ^2/NDF:164337.7/11

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 300.445+/-0.073 χ^2/NDF:141859.4/9

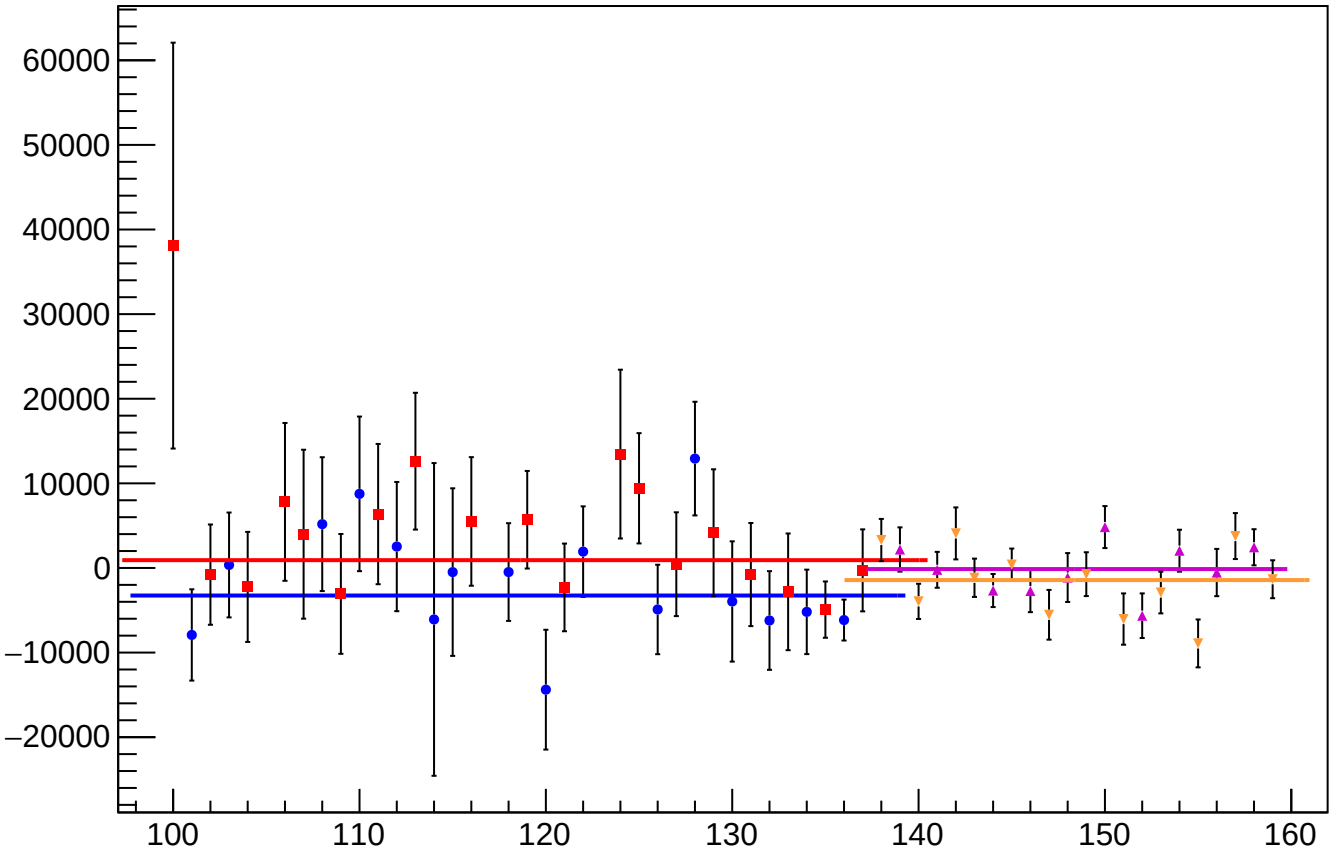
Left: 298.984+/-0.050 χ^2/NDF: 306961.7/21

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.711+/-0.057 χ^2/NDF:1061195.6/25

Out: 316.800+/-0.055 χ^2/NDF:1256879.0/30

All: 317.240+/-0.040 χ^2/NDF: 2318204.8/56



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1432.384+/-712.791 χ^2/NDF:24.6/11

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -131.155+/-760.982 χ^2/NDF:14.3/9

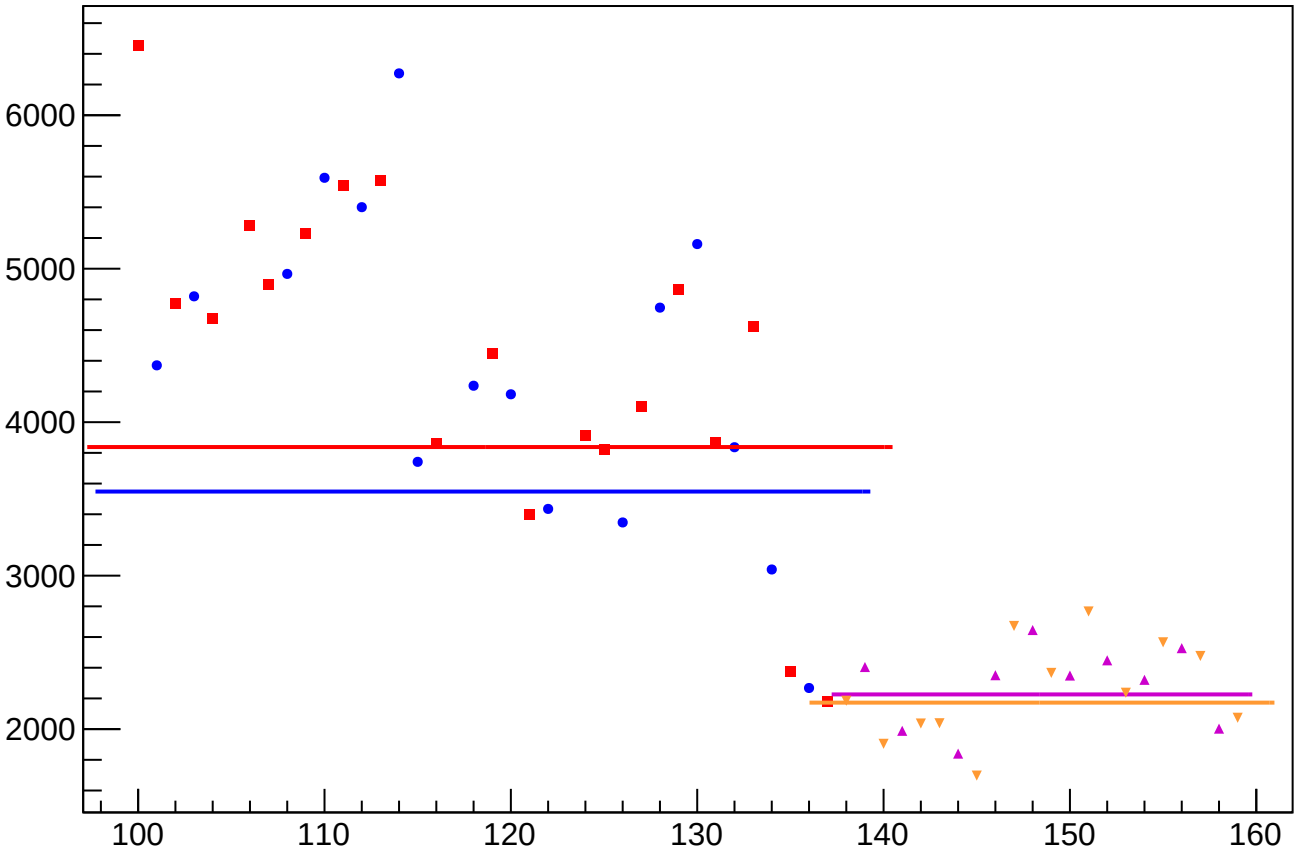
Left: -824.274+/-520.222 χ^2/NDF: 40.4/21

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -857.114+/-666.845 χ^2/NDF:34.2/25

Out: -979.743+/-640.592 χ^2/NDF:41.3/30

All: -920.890+/-461.969 χ^2/NDF: 75.6/56



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2172.648+/-0.504 χ^2/NDF:384170.8/11

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2226.144+/-0.538 χ^2/NDF:226439.3/9

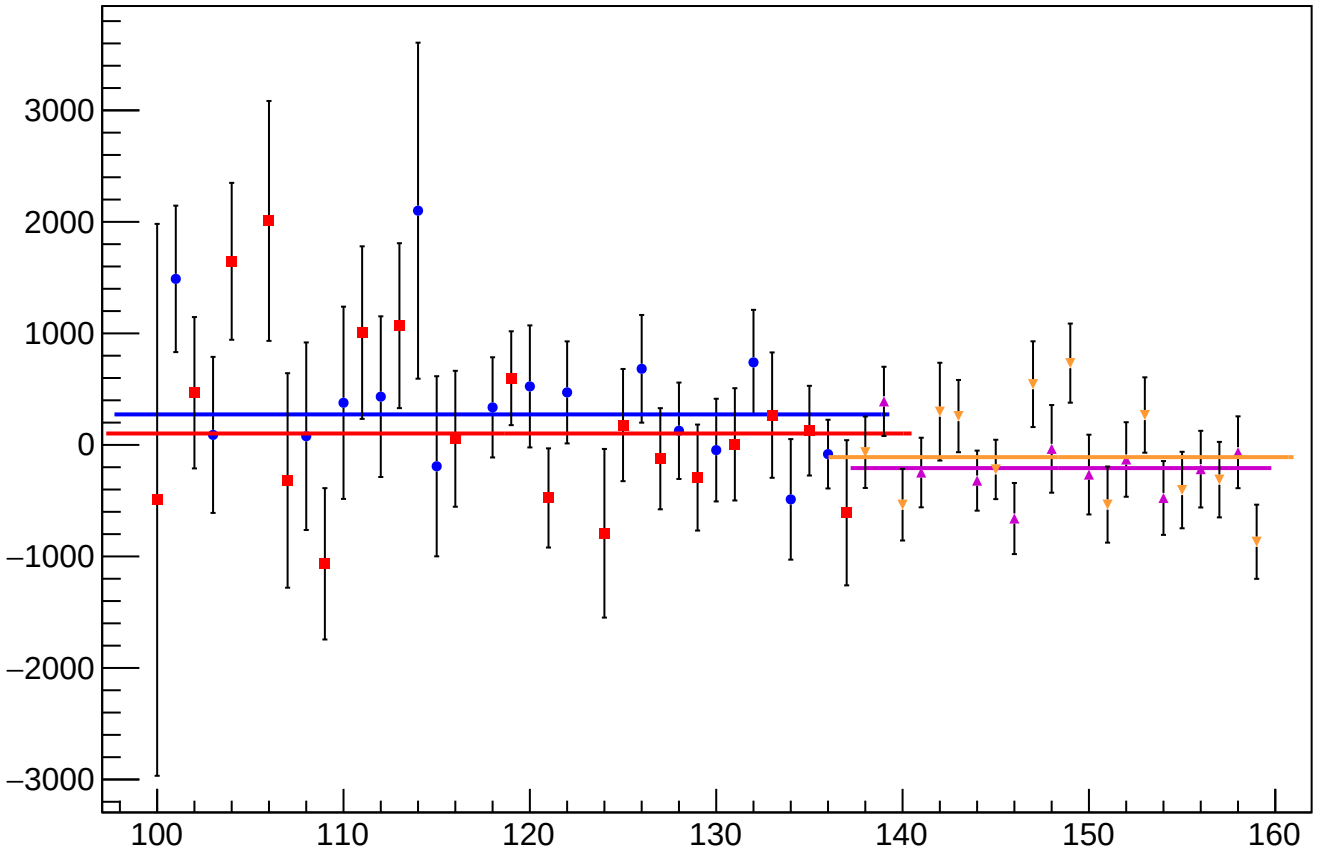
Left: 2197.649+/-0.368 χ^2/NDF: 615875.0/21

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2532.950+/-0.472 χ^2/NDF:2885540.6/25

Out: 2492.923+/-0.453 χ^2/NDF:3639557.9/30

All: 2512.133+/-0.327 χ^2/NDF: 6528846.1/56



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -109.512+/-96.851 χ^2/NDF:21.8/11

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -207.816+/-102.722 χ^2/NDF:7.0/9

Left: -155.775+/-70.468 χ^2/NDF: 29.3/21

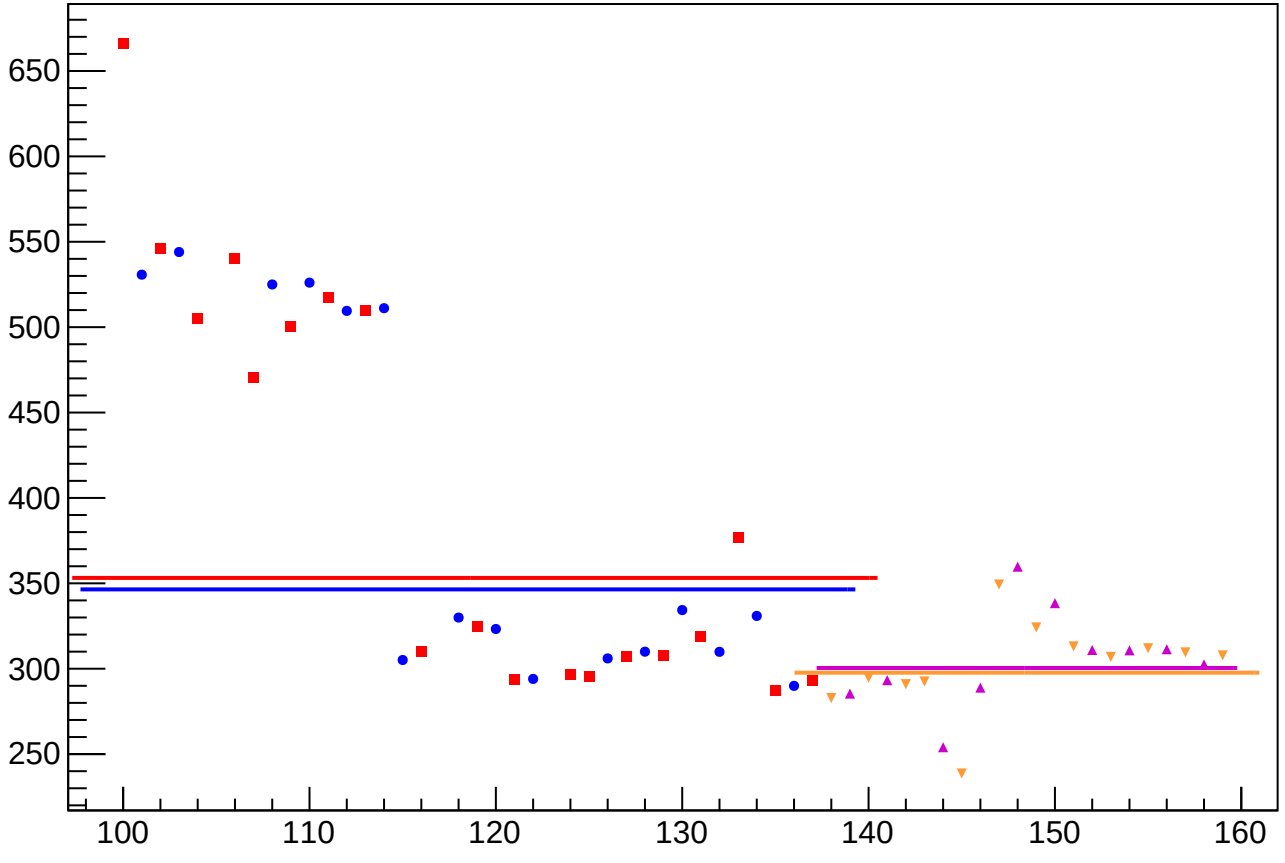
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -27.161+/-81.191 χ^2/NDF:26.7/25

Out: -36.526+/-78.415 χ^2/NDF:44.7/30

All: -32.006+/-56.404 χ^2/NDF: 71.4/56

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 297.685+/-0.068 χ^2/NDF:164340.8/11

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 300.445+/-0.073 χ^2/NDF:141861.0/9

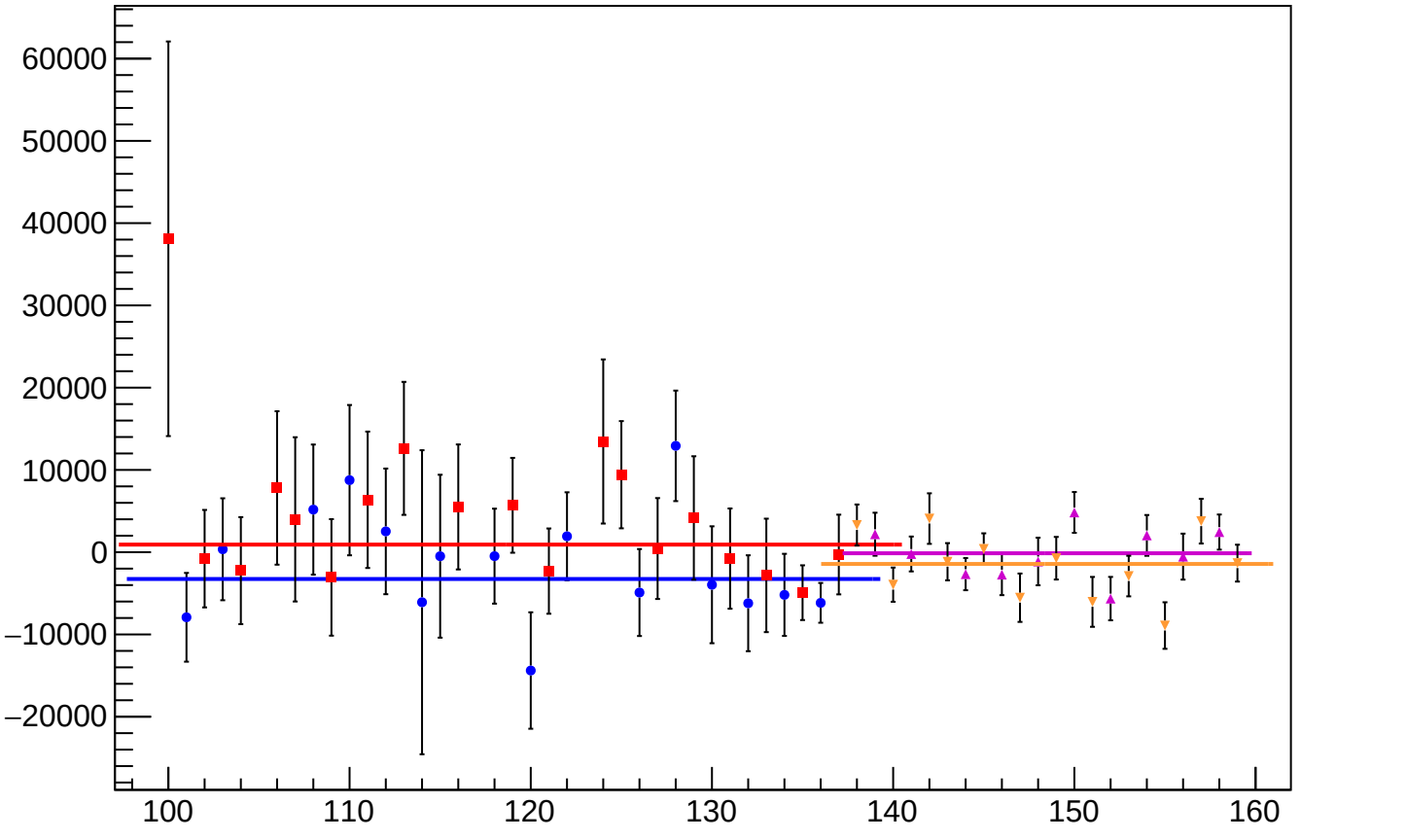
Left: 298.984+/-0.050 χ^2/NDF: 306966.5/21

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.711+/-0.057 χ^2/NDF:1061176.7/25

Out: 316.800+/-0.055 χ^2/NDF:1256861.2/30

All: 317.239+/-0.040 χ^2/NDF: 2318168.0/56


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
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100
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140
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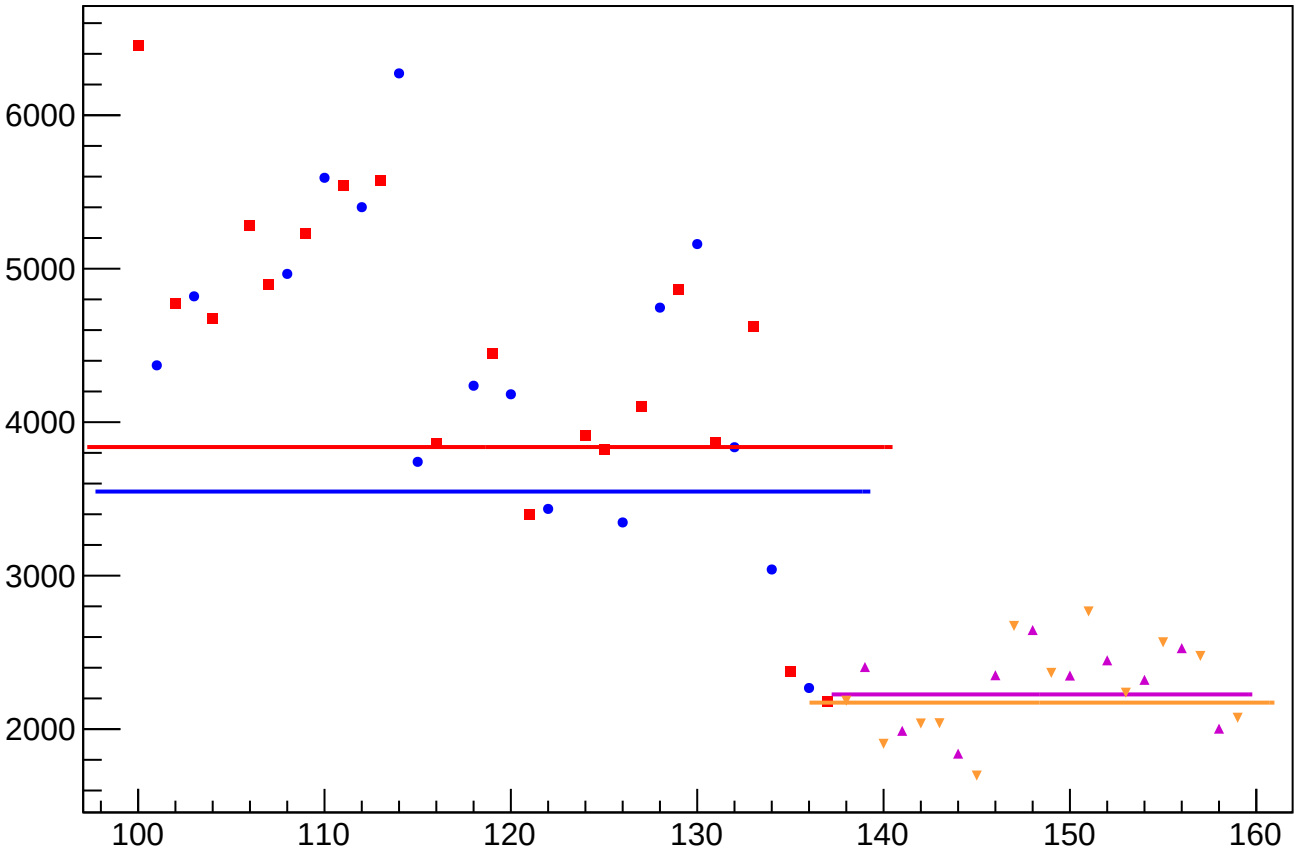
160
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -1432.381+/-712.790 χ²/NDF:24.6/11
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -131.154+/-760.982 χ²/NDF:14.3/9
Left: -824.272+/-520.222 χ²/NDF: 40.4/21
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -857.113+/-666.844 χ²/NDF:34.2/25
Out: -979.739+/-640.592 χ²/NDF:41.3/30
All: -920.887+/-461.969 χ²/NDF: 75.6/56



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2172.646+/-0.504 χ^2/NDF:384177.5/11

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2226.144+/-0.538 χ^2/NDF:226440.8/9

Left: 2197.648+/-0.368 χ^2/NDF: 615883.3/21

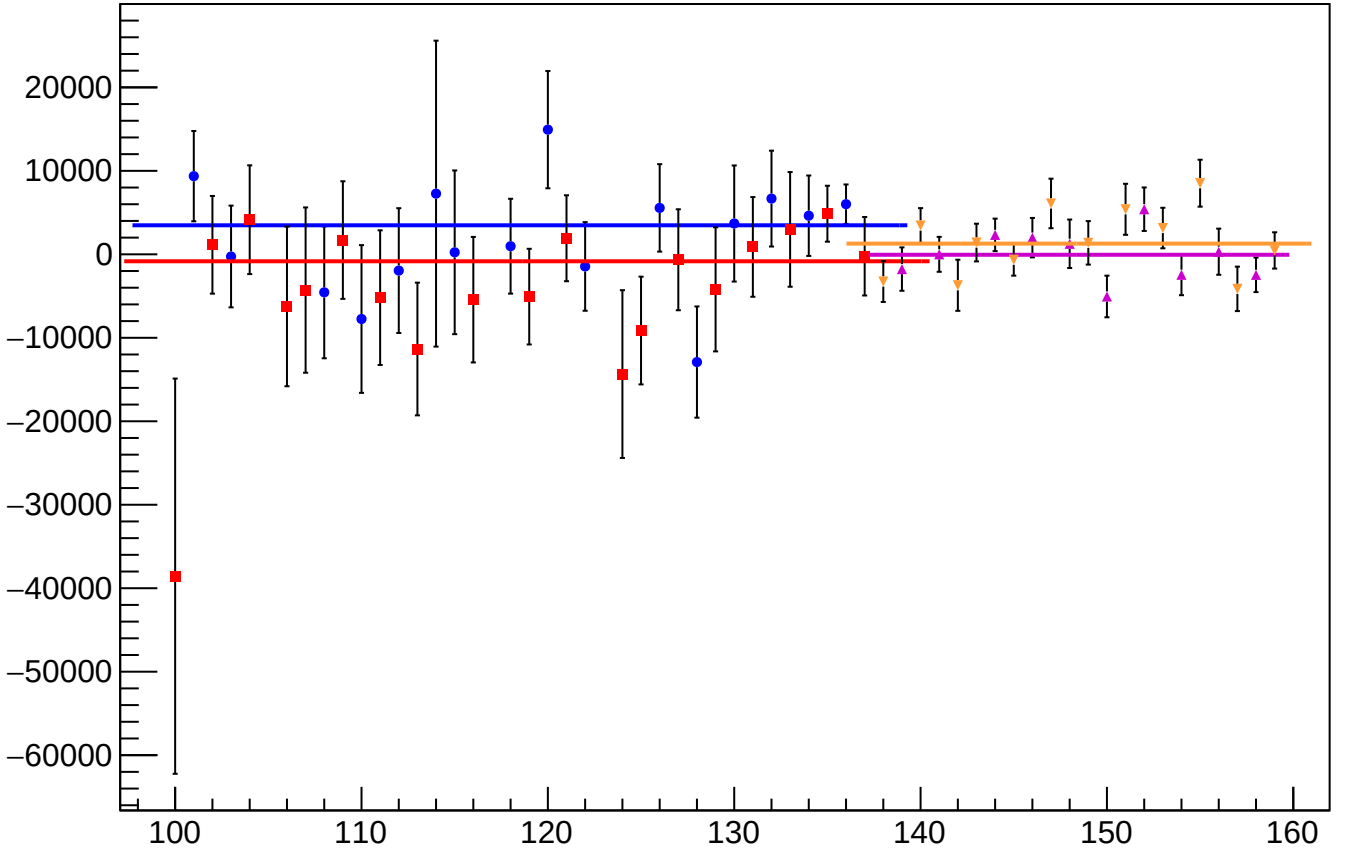
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2532.949+/-0.472 χ^2/NDF:2885525.8/25

Out: 2492.921+/-0.453 χ^2/NDF:3639551.9/30

All: 2512.132+/-0.327 χ^2/NDF: 6528825.4/56

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1281.868+/-708.710 χ^2/NDF:24.1/11

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -54.529+/-749.942 χ^2/NDF:13.6/9

Left: 651.416+/-515.094 χ^2/NDF: 39.5/21

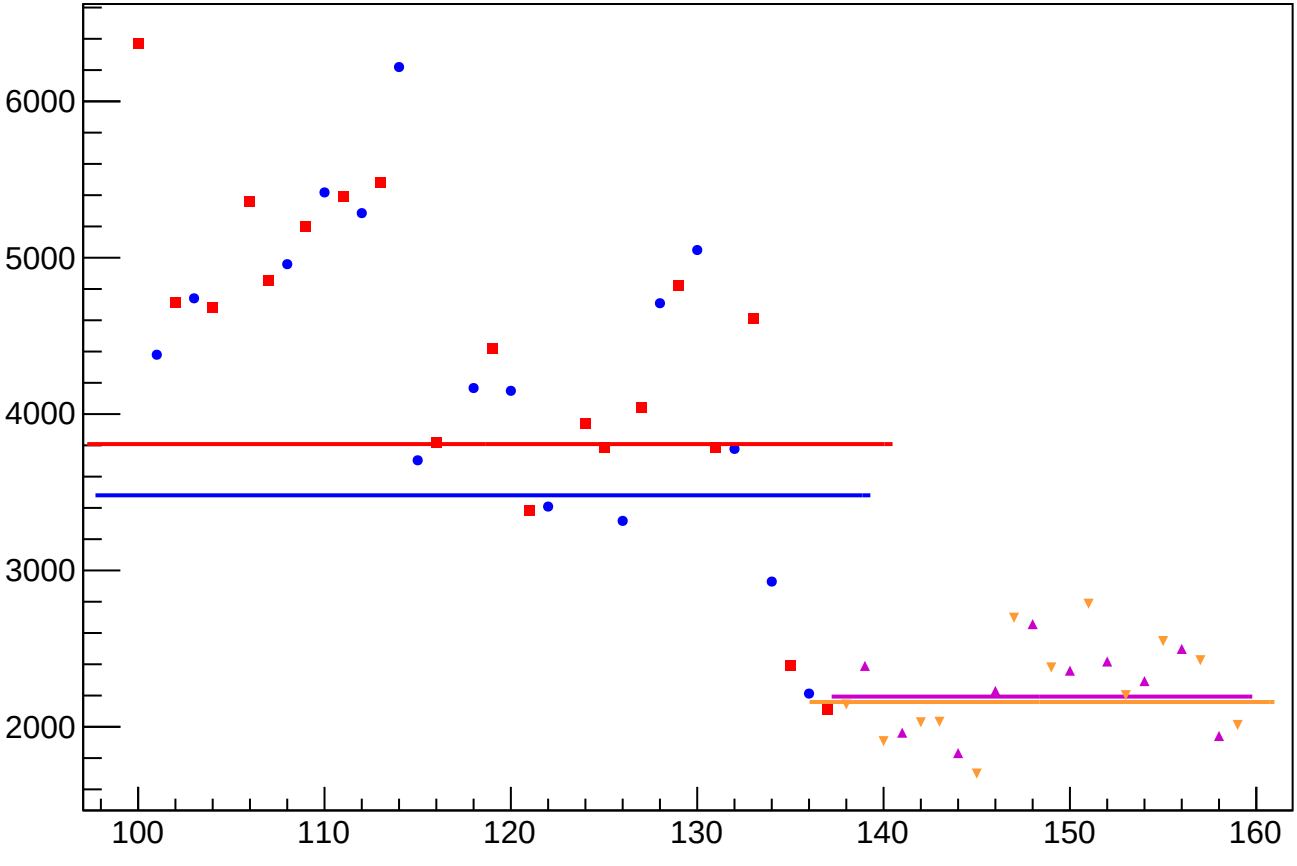
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 768.913+/-656.755 χ^2/NDF:35.1/25

Out: 873.985+/-636.695 χ^2/NDF:39.9/30

All: 823.078+/-457.139 χ^2/NDF: 75.0/56

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2158.642+/-0.501 χ^2/NDF:387144.0/11

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2193.326+/-0.530 χ^2/NDF:237071.1/9

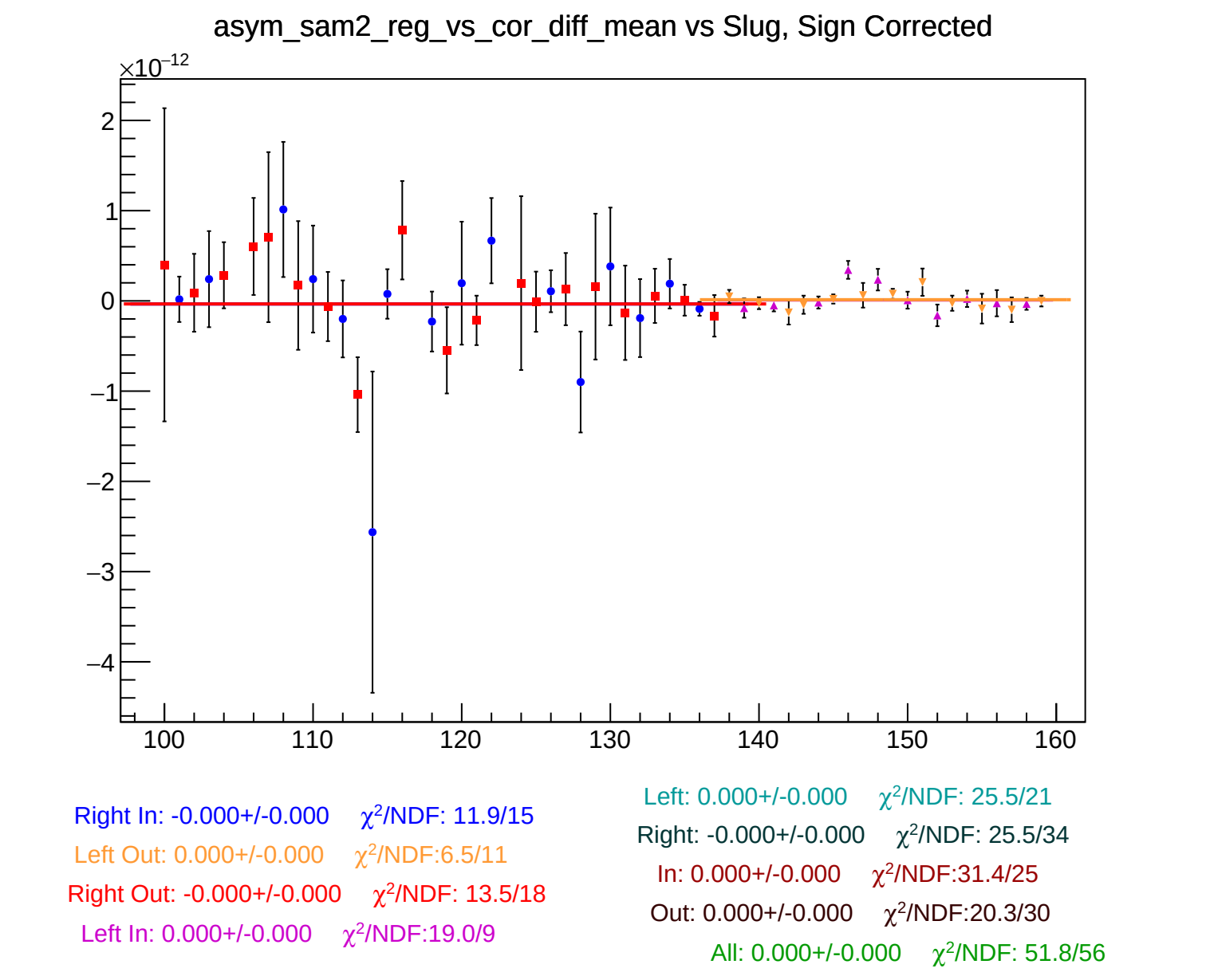
Left: 2175.005+/-0.364 χ^2/NDF: 626474.9/21

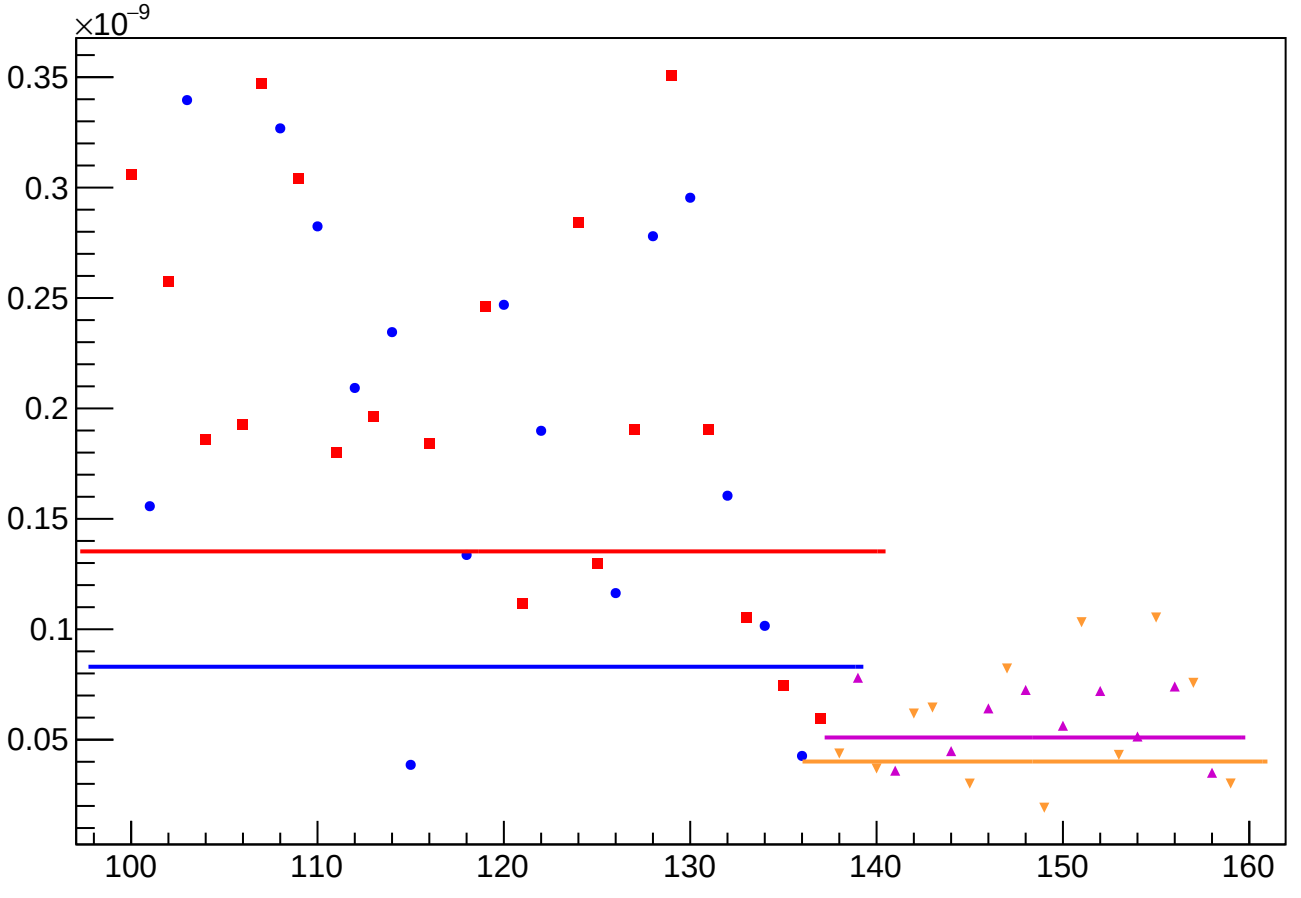
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2493.352+/-0.464 χ^2/NDF:2907091.7/25

Out: 2476.837+/-0.450 χ^2/NDF:3624677.2/30

All: 2484.838+/-0.323 χ^2/NDF: 6532420.8/56


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
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:19.0/9
Left: 0.000+/-0.000 χ²/NDF: 25.5/21
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:31.4/25
Out: 0.000+/-0.000 χ²/NDF:20.3/30
All: 0.000+/-0.000 χ²/NDF: 51.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582295.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:581616.7/9

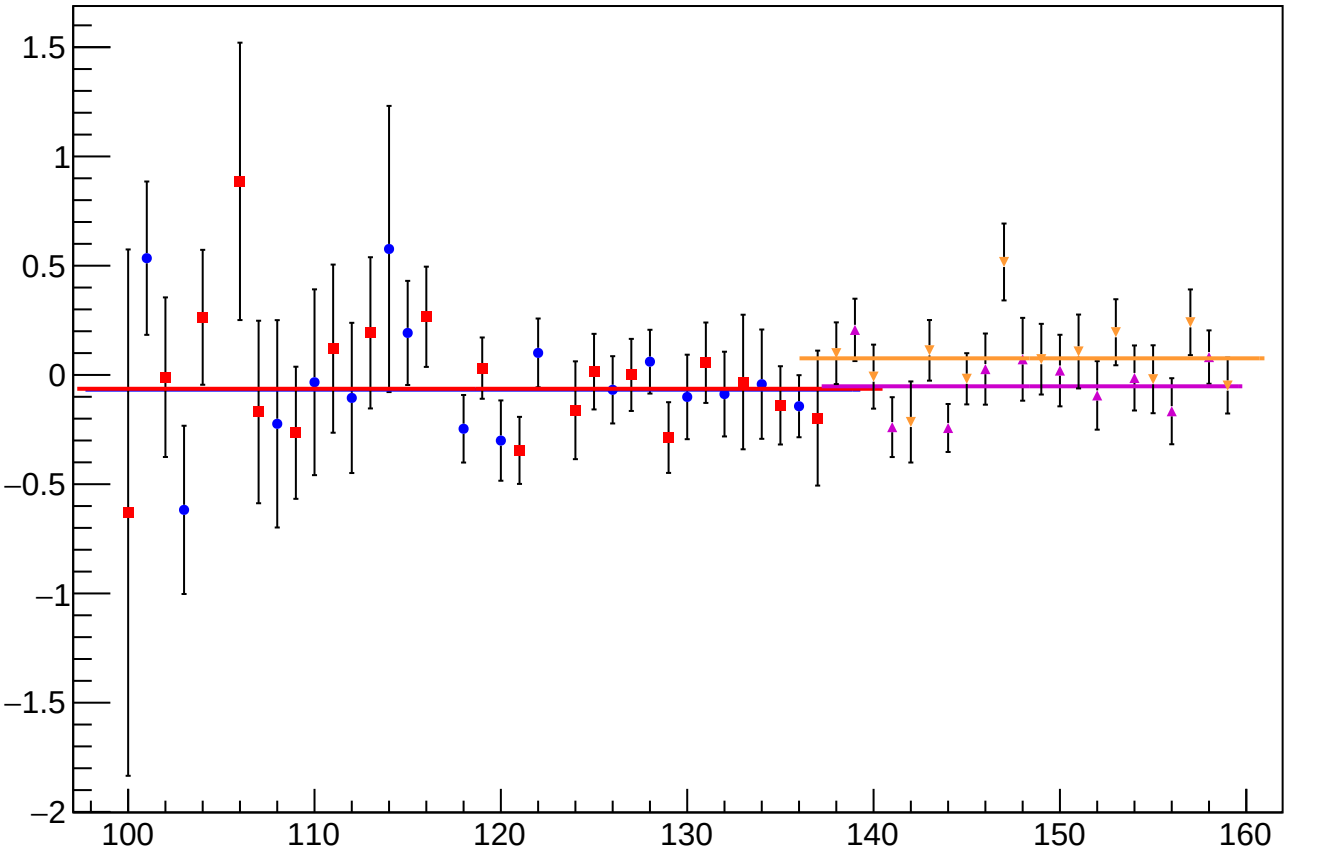
Left: 0.000+/-0.000 χ^2/NDF: 2344975.4/21

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3745106.9/25

Out: 0.000+/-0.000 χ^2/NDF:5326302.7/30

All: 0.000+/-0.000 χ^2/NDF: 9245015.3/56



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

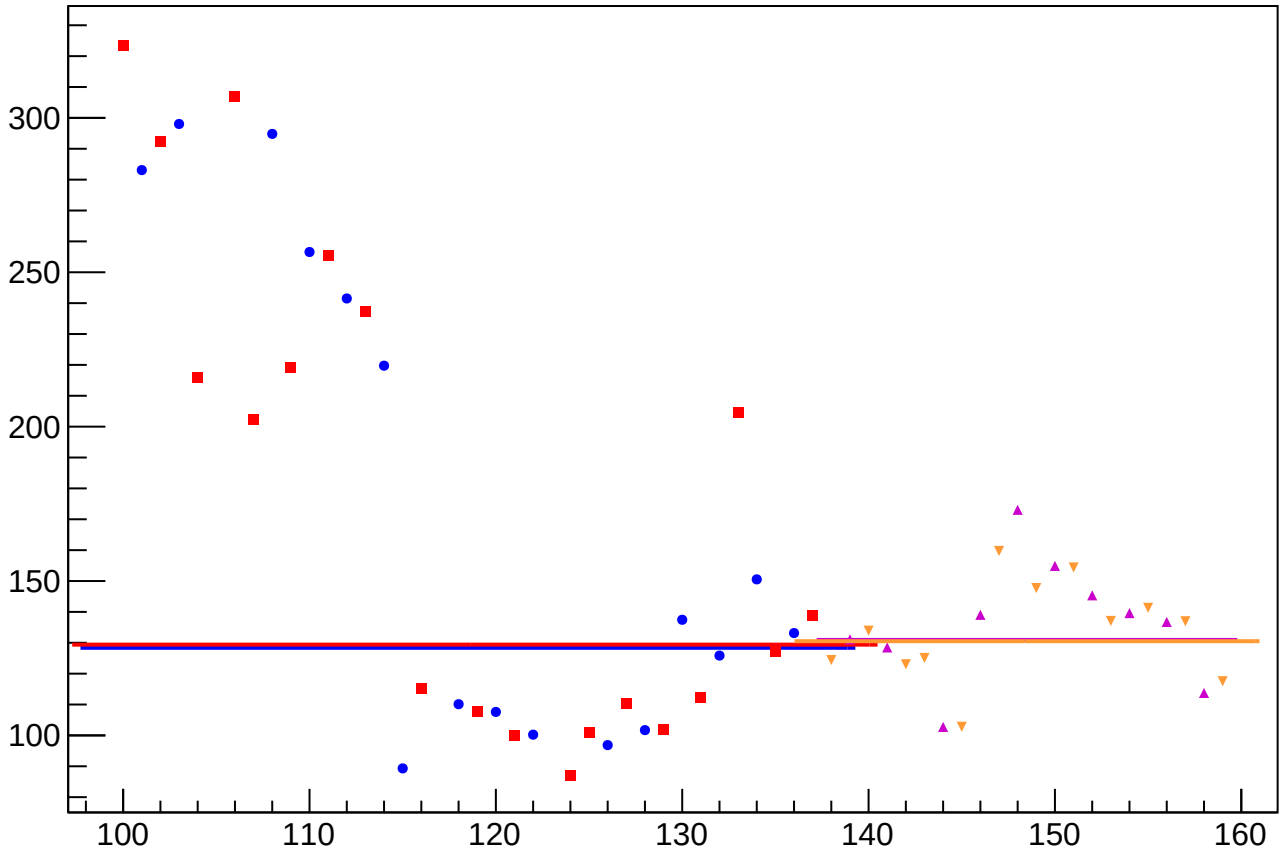
Left: 0.016+/-0.031 χ^2/NDF: 28.1/21

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.018+/-0.024 χ^2/NDF: 57.5/56



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.510+/-0.030 χ^2/NDF:278451.0/11

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

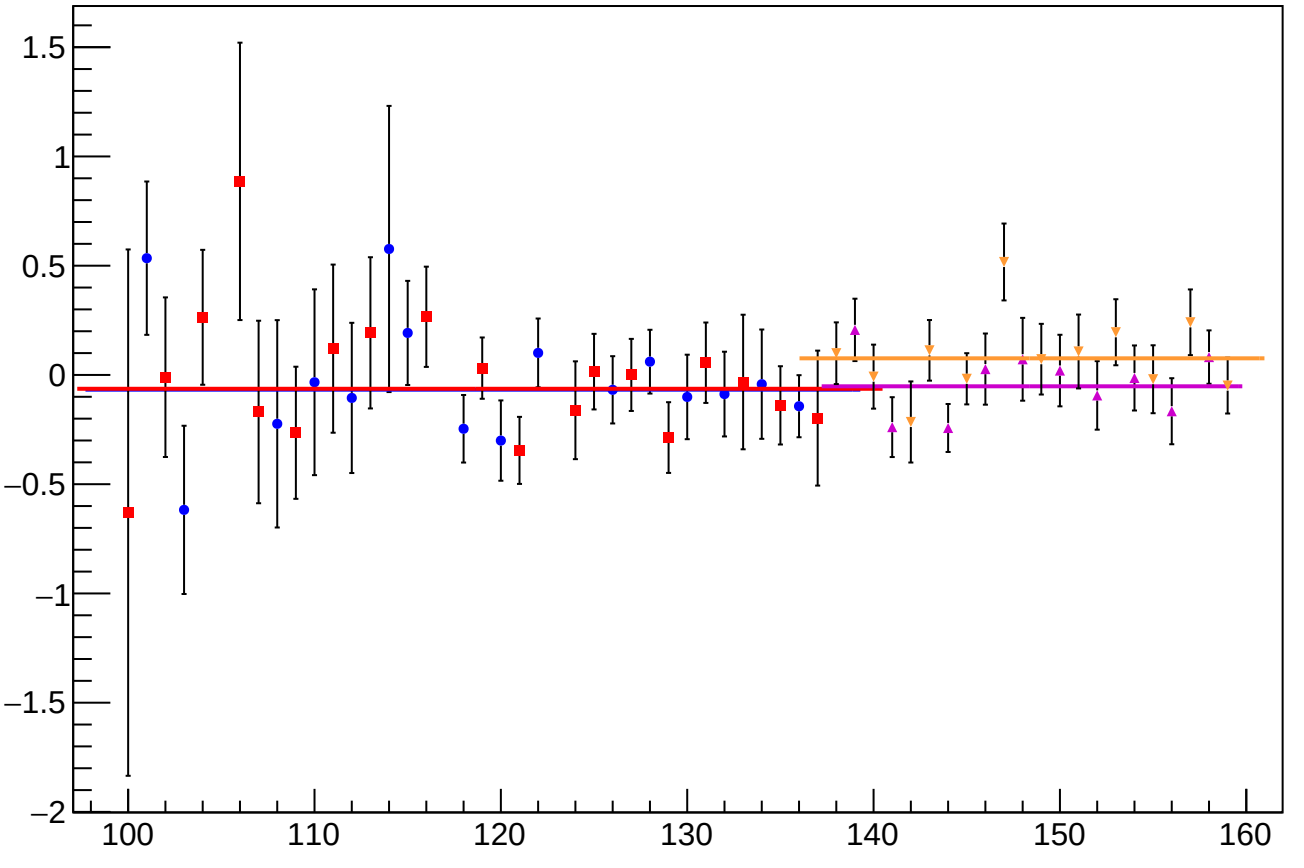
Left: 130.704+/-0.022 χ^2/NDF: 623852.9/21

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.817+/-0.024 χ^2/NDF:2153119.4/25

Out: 130.058+/-0.023 χ^2/NDF:2167272.3/30

All: 129.942+/-0.017 χ^2/NDF: 4320443.5/56



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

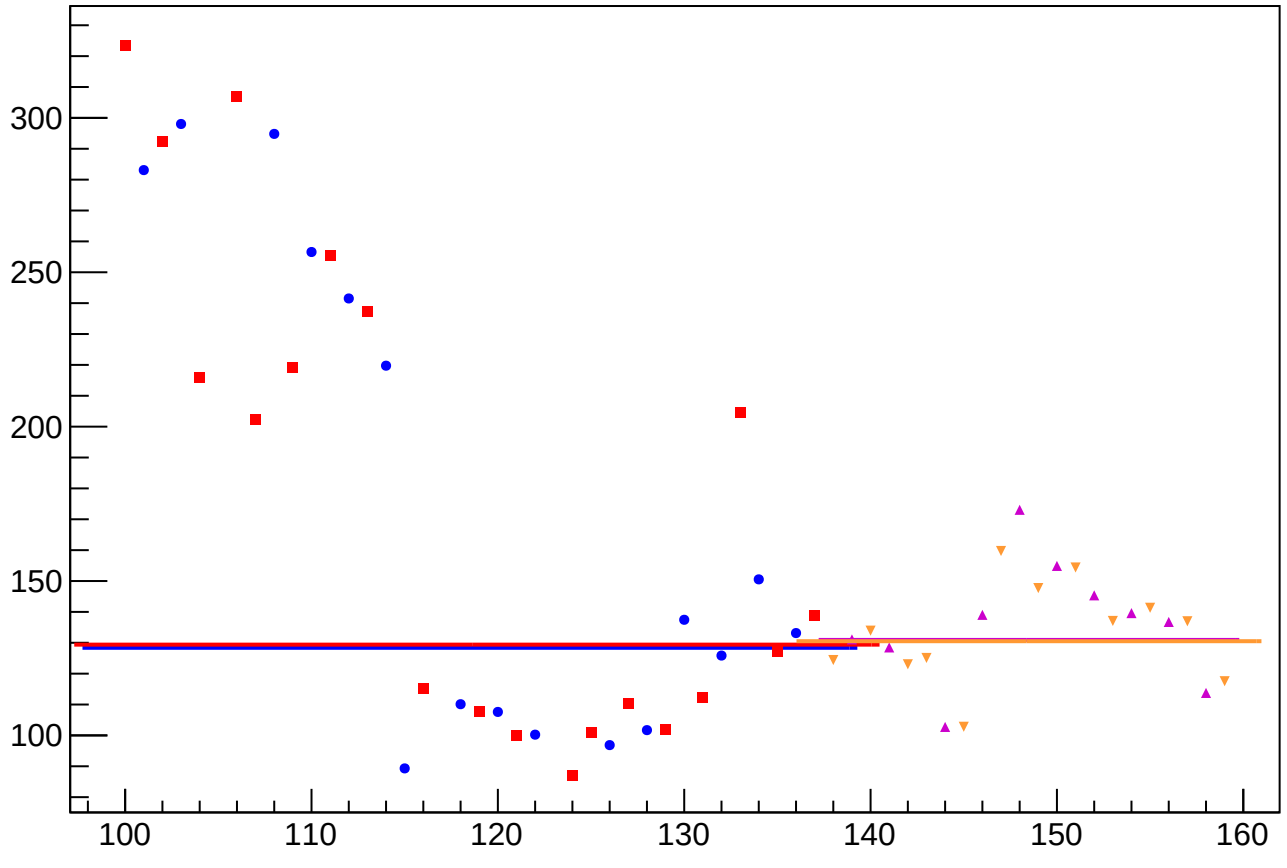
Left: 0.016+/-0.031 χ^2/NDF: 28.1/21

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.018+/-0.024 χ^2/NDF: 57.5/56



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.510+/-0.030 χ^2/NDF:278451.0/11

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

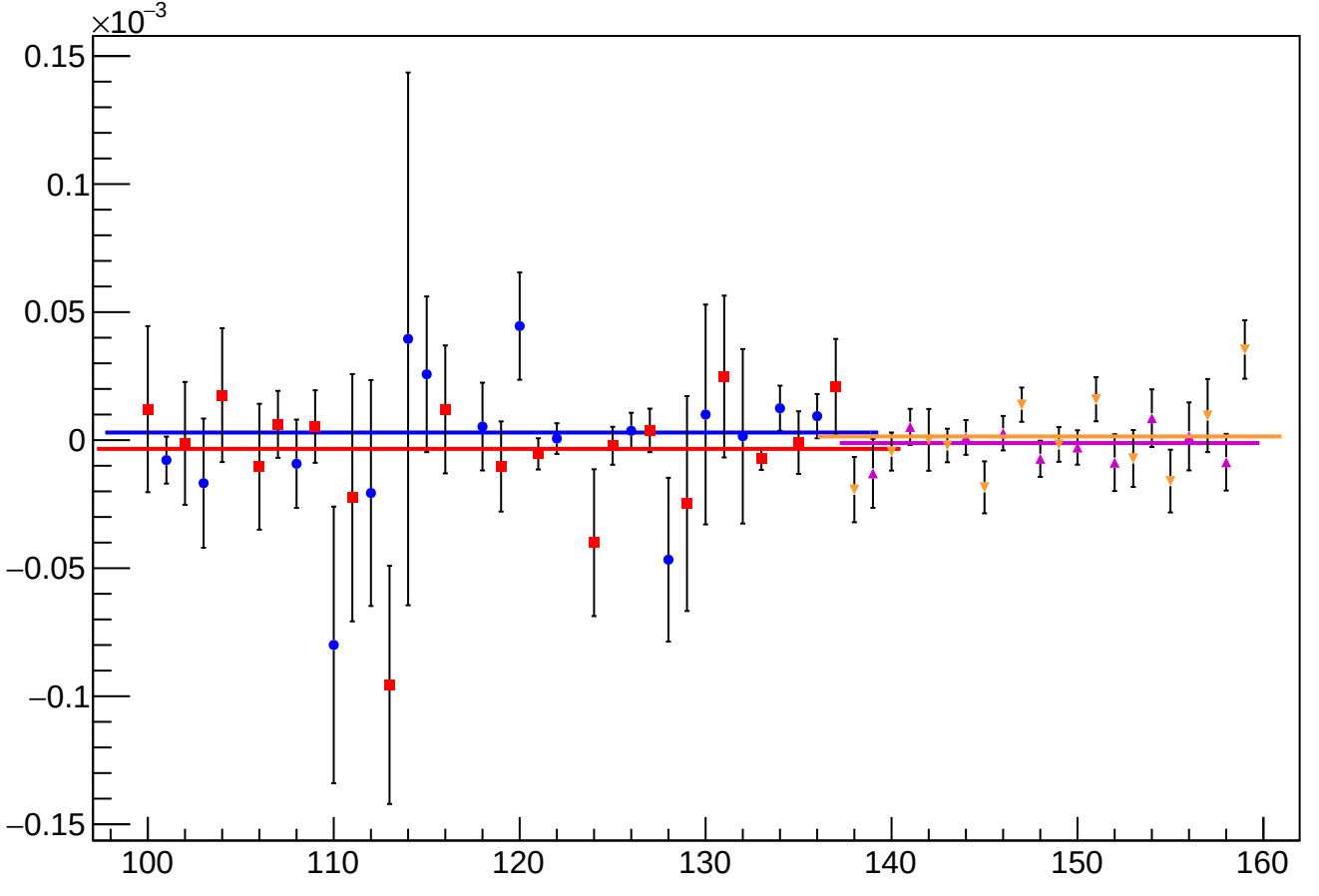
Left: 130.704+/-0.022 χ^2/NDF: 623852.9/21

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.817+/-0.024 χ^2/NDF:2153119.4/25

Out: 130.058+/-0.023 χ^2/NDF:2167272.3/30

All: 129.942+/-0.017 χ^2/NDF: 4320443.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/9

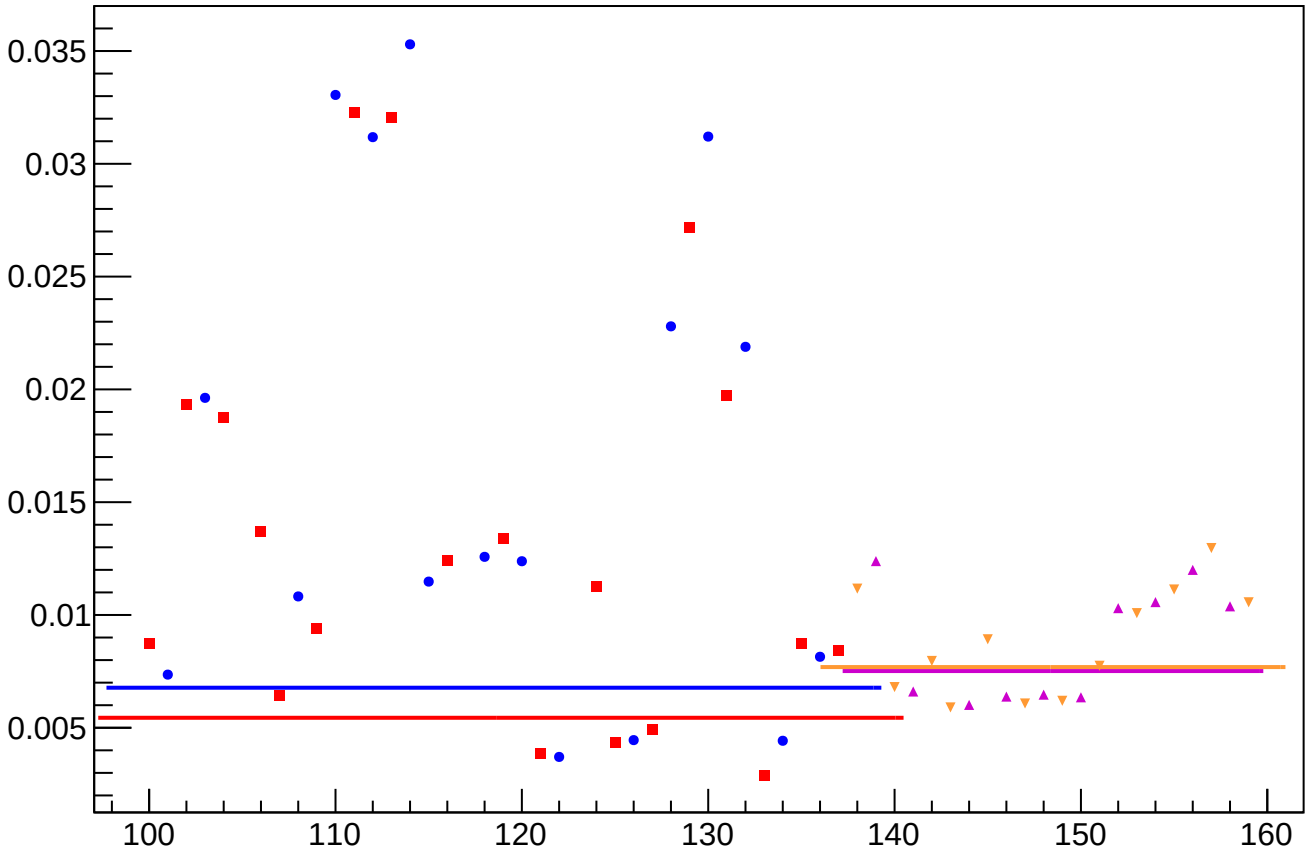
Left: 0.000+/-0.000 χ^2/NDF: 30.7/21

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:19.6/25

Out: -0.000+/-0.000 χ^2/NDF:40.1/30

All: -0.000+/-0.000 χ^2/NDF: 60.0/56



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1221916.5/11

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1189567.0/9

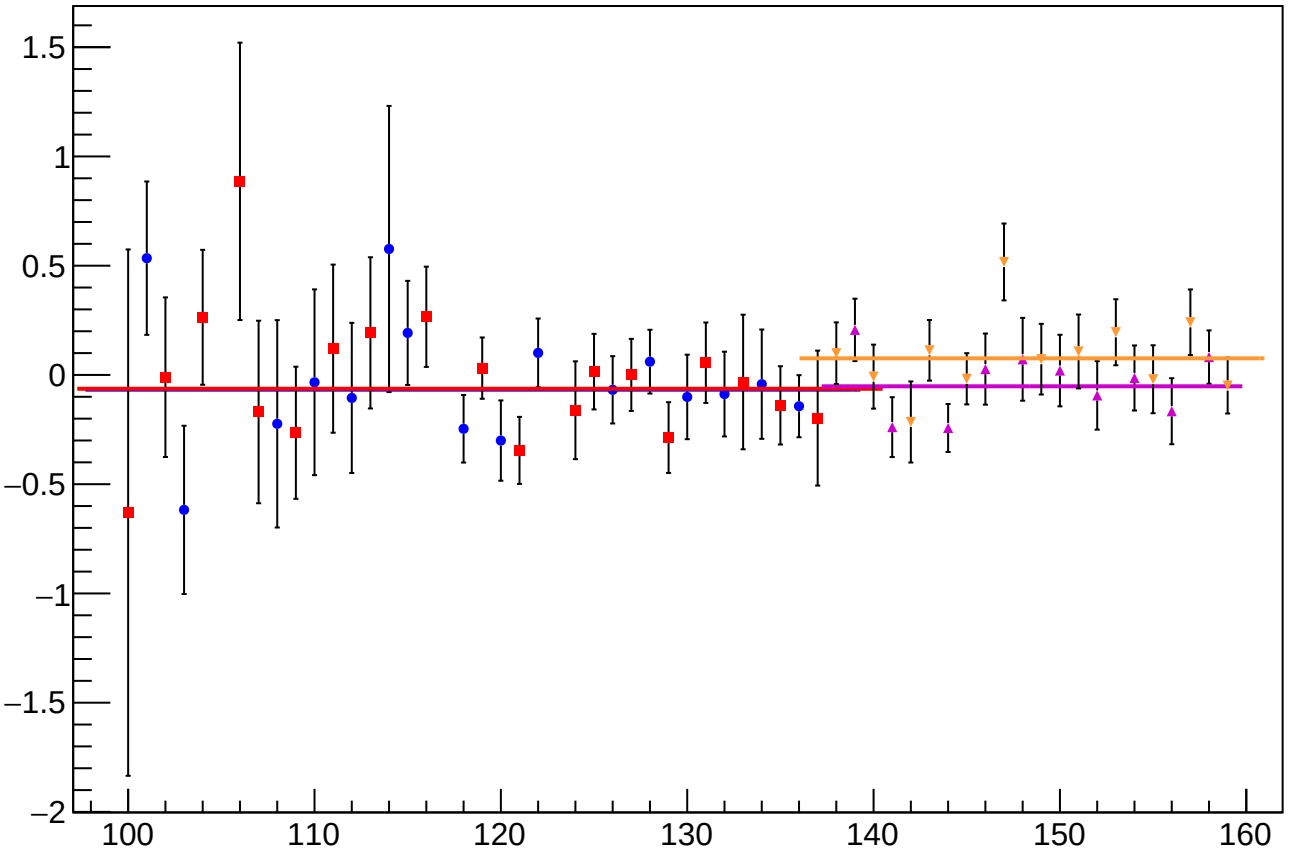
Left: 0.008+/-0.000 χ^2/NDF: 2416015.1/21

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6026235.1/25

Out: 0.007+/-0.000 χ^2/NDF:7546080.2/30

All: 0.007+/-0.000 χ^2/NDF: 13680770.3/56



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

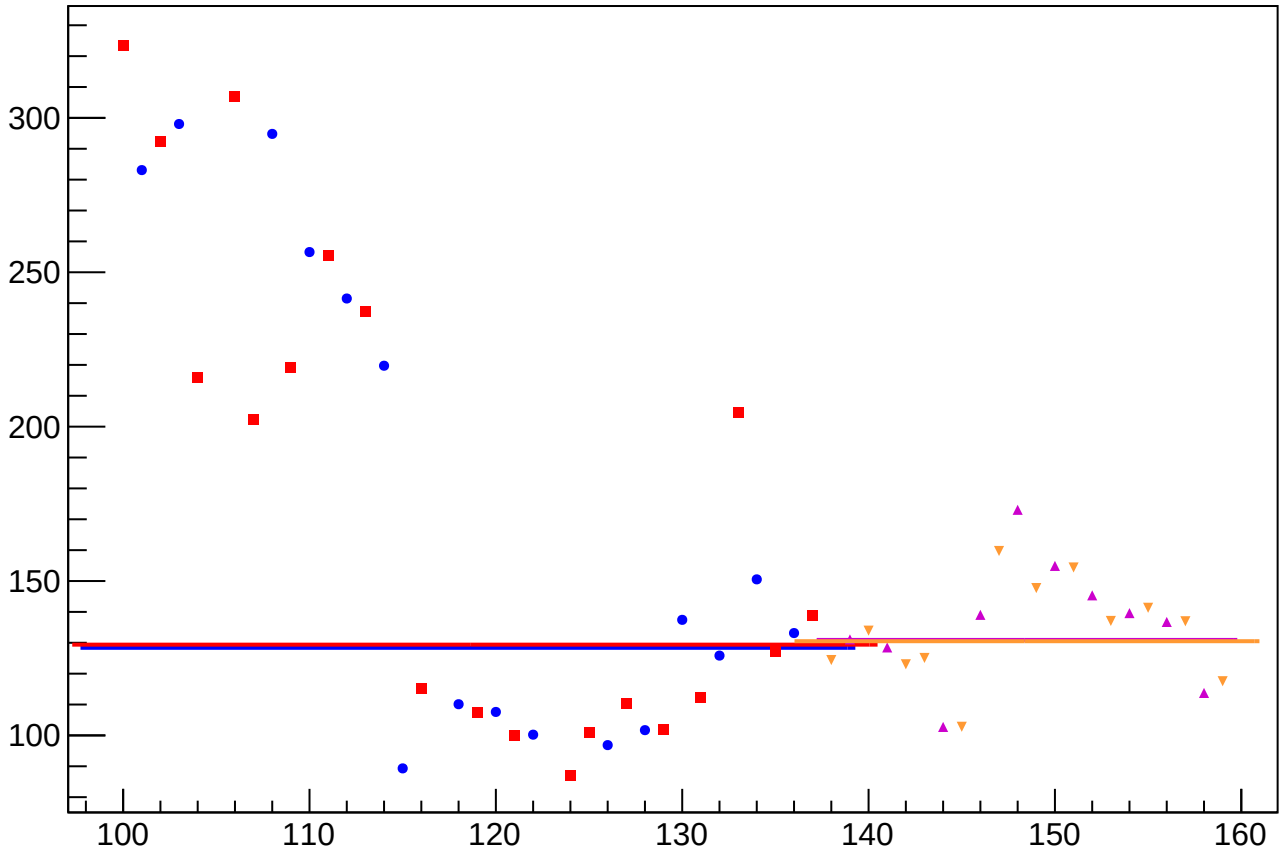
Left: 0.016+/-0.031 χ^2/NDF: 28.1/21

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.018+/-0.024 χ^2/NDF: 57.5/56



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.510+/-0.030 χ^2/NDF:278479.0/11

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

Left: 130.704+/-0.022 χ^2/NDF: 623896.0/21

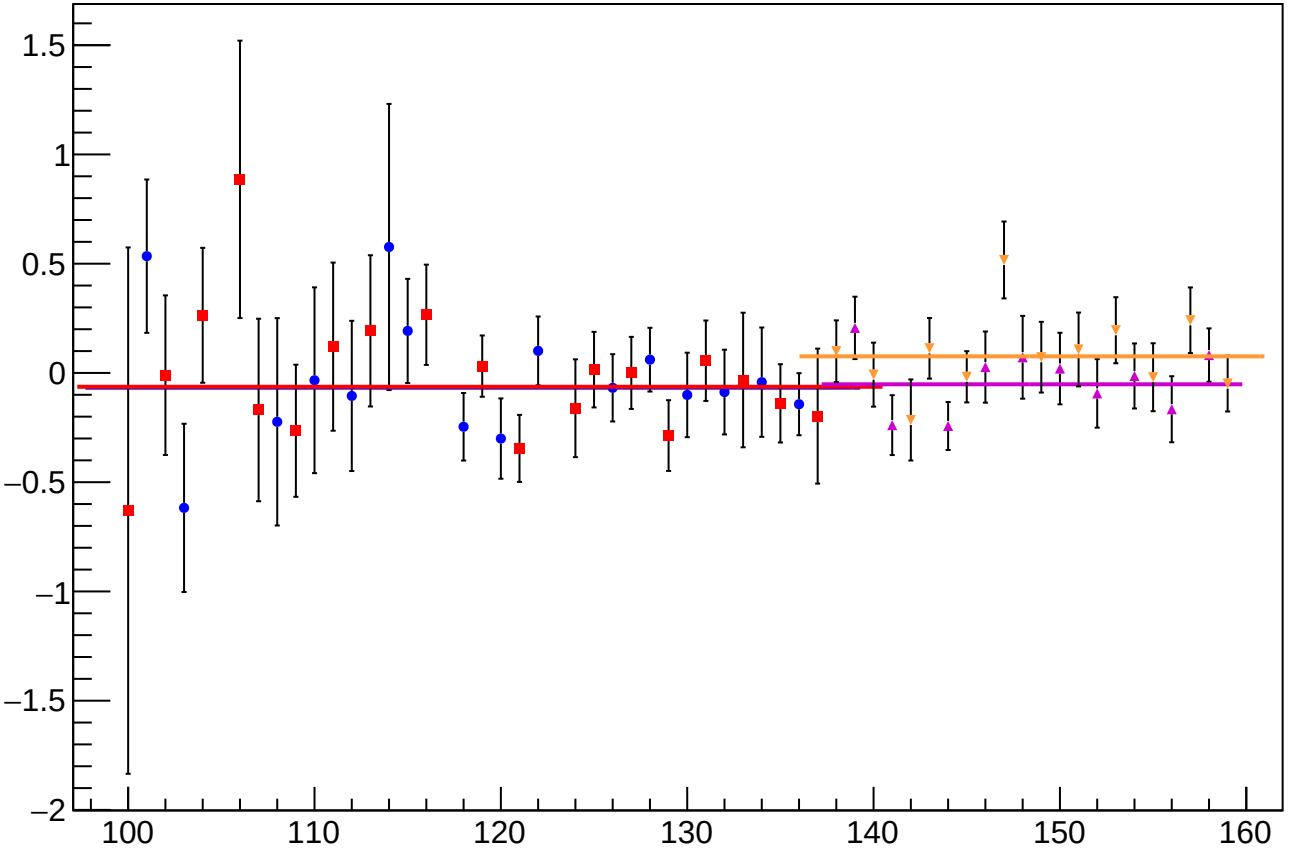
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.815+/-0.024 χ^2/NDF:2153088.6/25

Out: 130.057+/-0.023 χ^2/NDF:2167304.7/30

All: 129.940+/-0.017 χ^2/NDF: 4320445.1/56

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: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

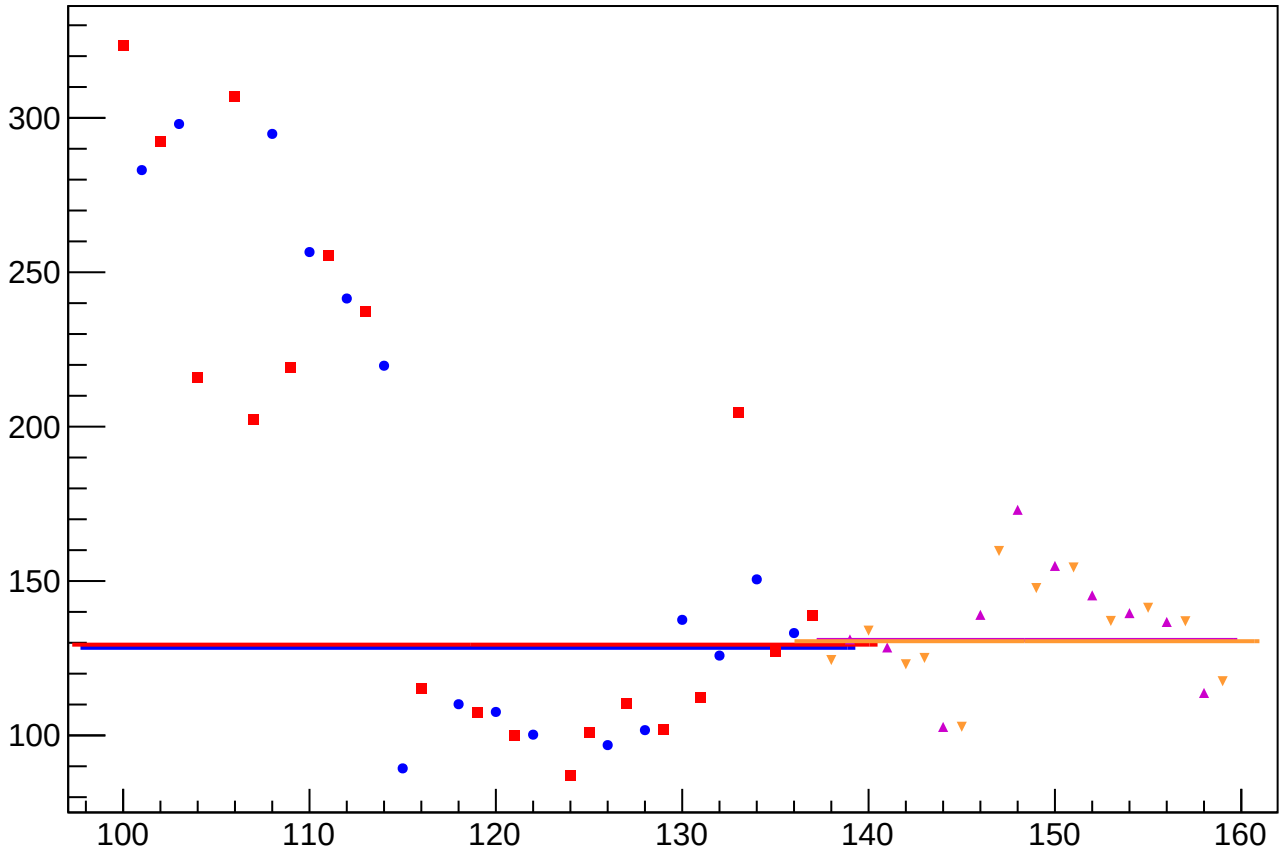
Left: 0.016+/-0.031 χ^2/NDF: 28.1/21

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.018+/-0.024 χ^2/NDF: 57.5/56



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.510+/-0.030 χ^2/NDF:278479.0/11

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

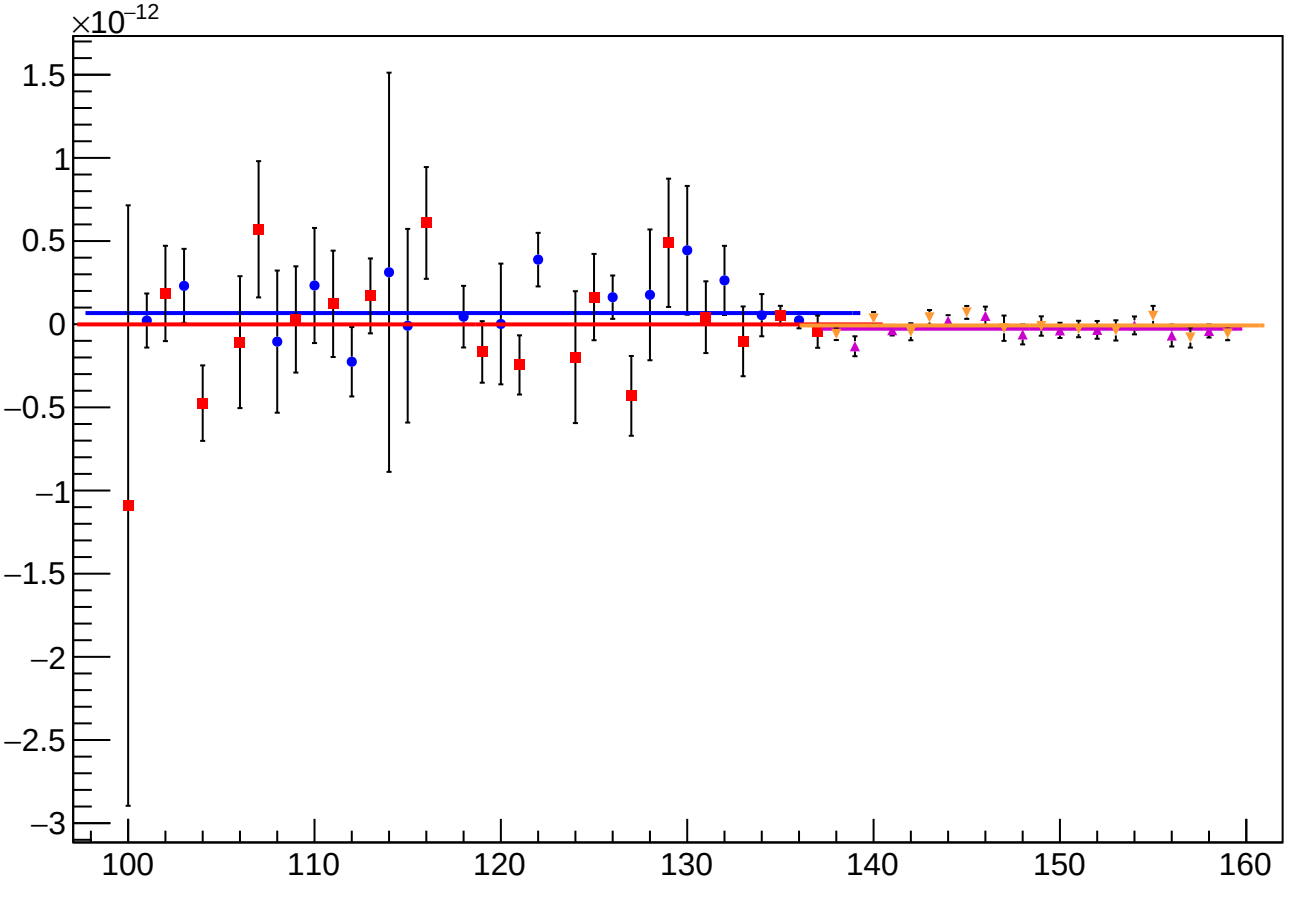
Left: 130.704+/-0.022 χ^2/NDF: 623896.0/21

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.815+/-0.024 χ^2/NDF:2153088.6/25

Out: 130.057+/-0.023 χ^2/NDF:2167304.7/30

All: 129.940+/-0.017 χ^2/NDF: 4320445.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/9

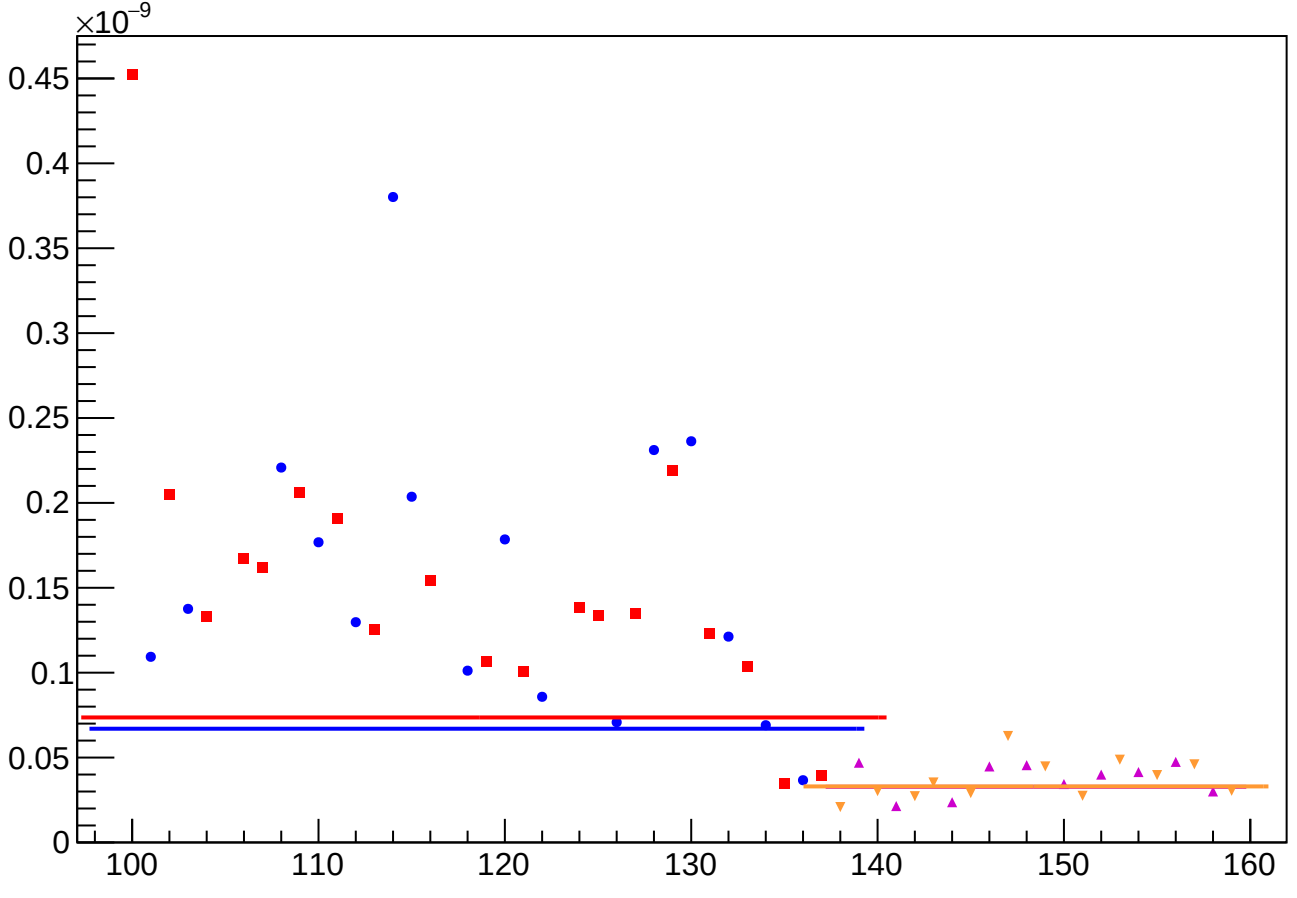
Left: -0.000+/-0.000 χ^2/NDF: 22.3/21

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:24.3/25

Out: -0.000+/-0.000 χ^2/NDF:33.9/30

All: -0.000+/-0.000 χ^2/NDF: 58.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:949371.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:898099.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1847752.2/21

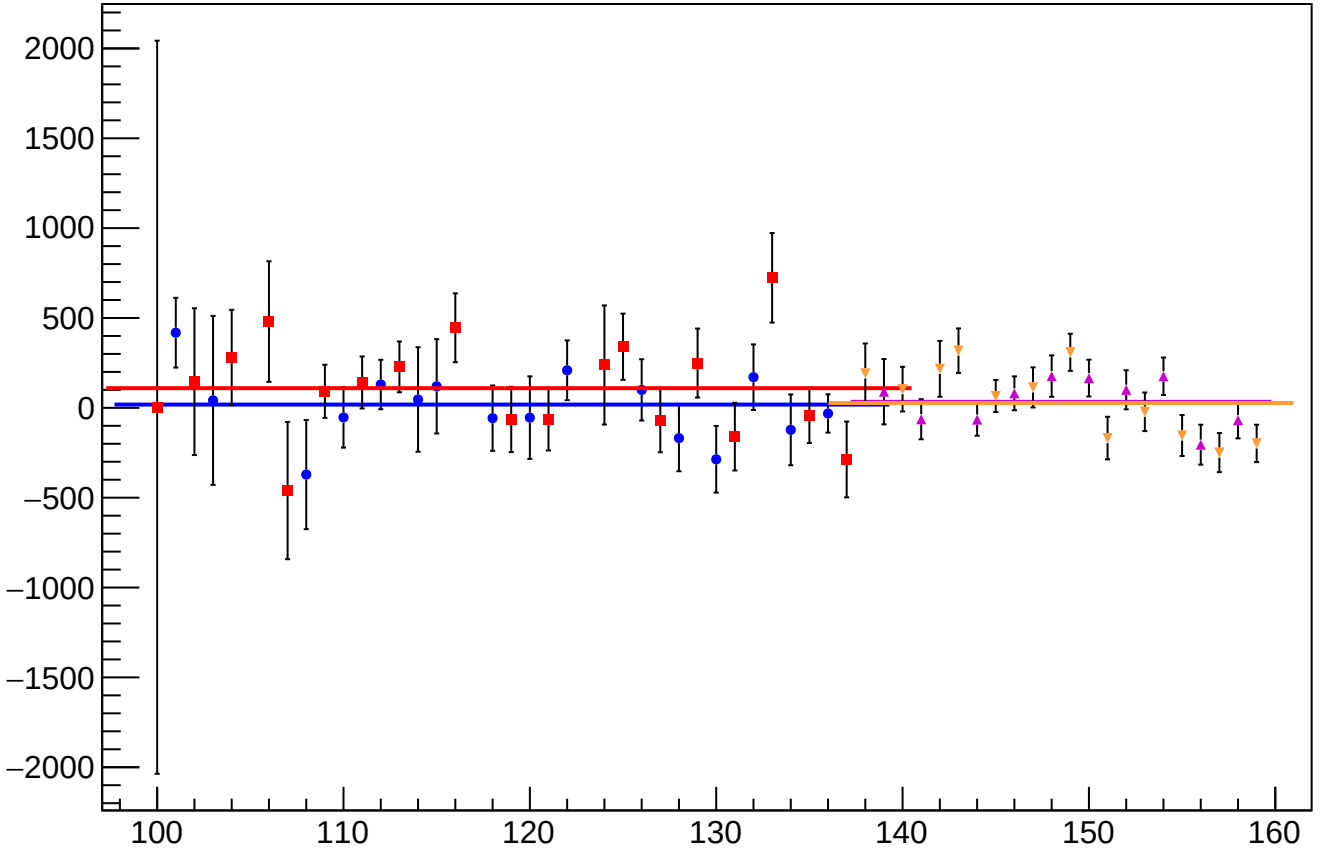
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5627830.3/25

Out: 0.000+/-0.000 χ^2/NDF:6499412.6/30

All: 0.000+/-0.000 χ^2/NDF: 12127255.6/56

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 27.085+/-32.964 χ^2/NDF:33.2/11

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 33.424+/-33.850 χ^2/NDF:13.4/9

Left: 30.170+/-23.616 χ^2/NDF: 46.6/21

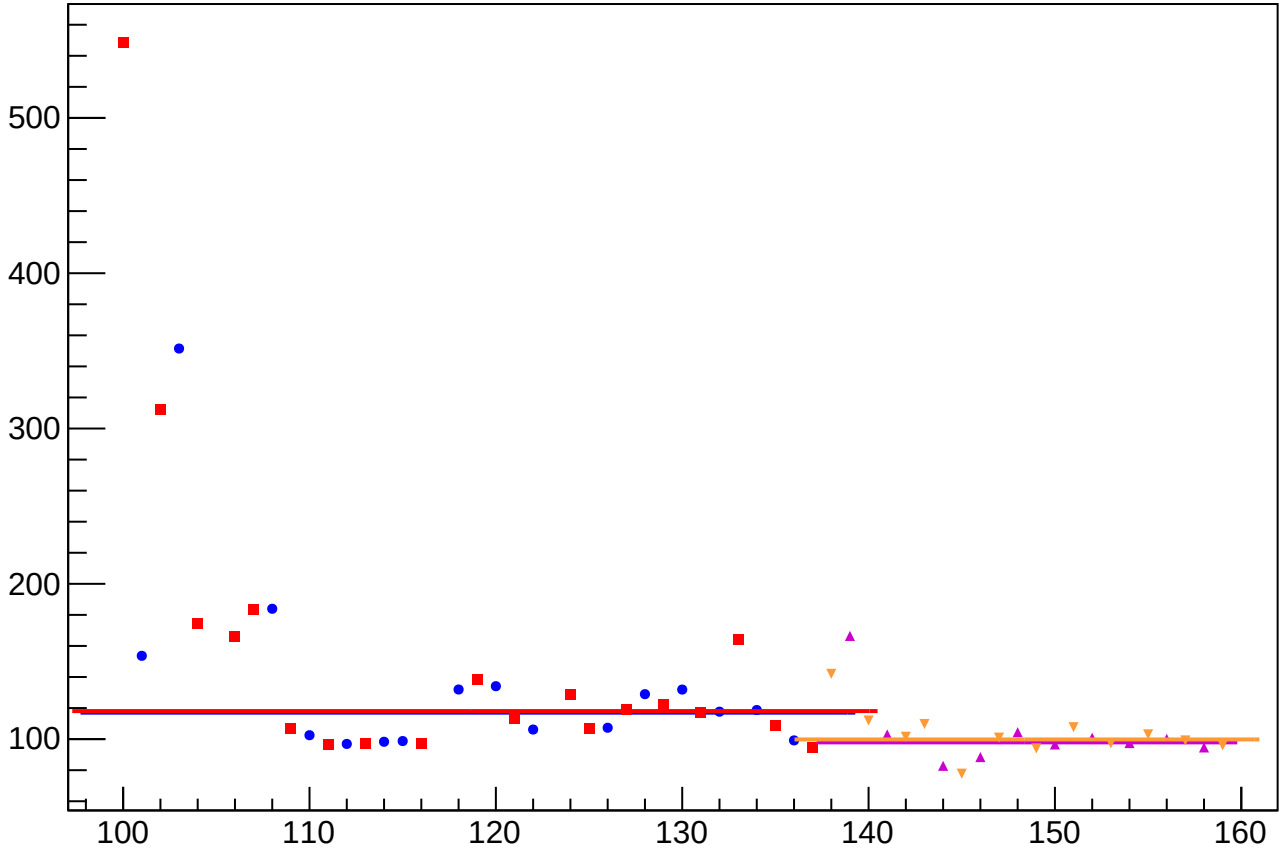
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 28.033+/-27.202 χ^2/NDF:27.3/25

Out: 55.166+/-26.760 χ^2/NDF:60.8/30

All: 41.821+/-19.076 χ^2/NDF: 88.6/56

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.789+/-0.023 χ^2/NDF:305395.3/11

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

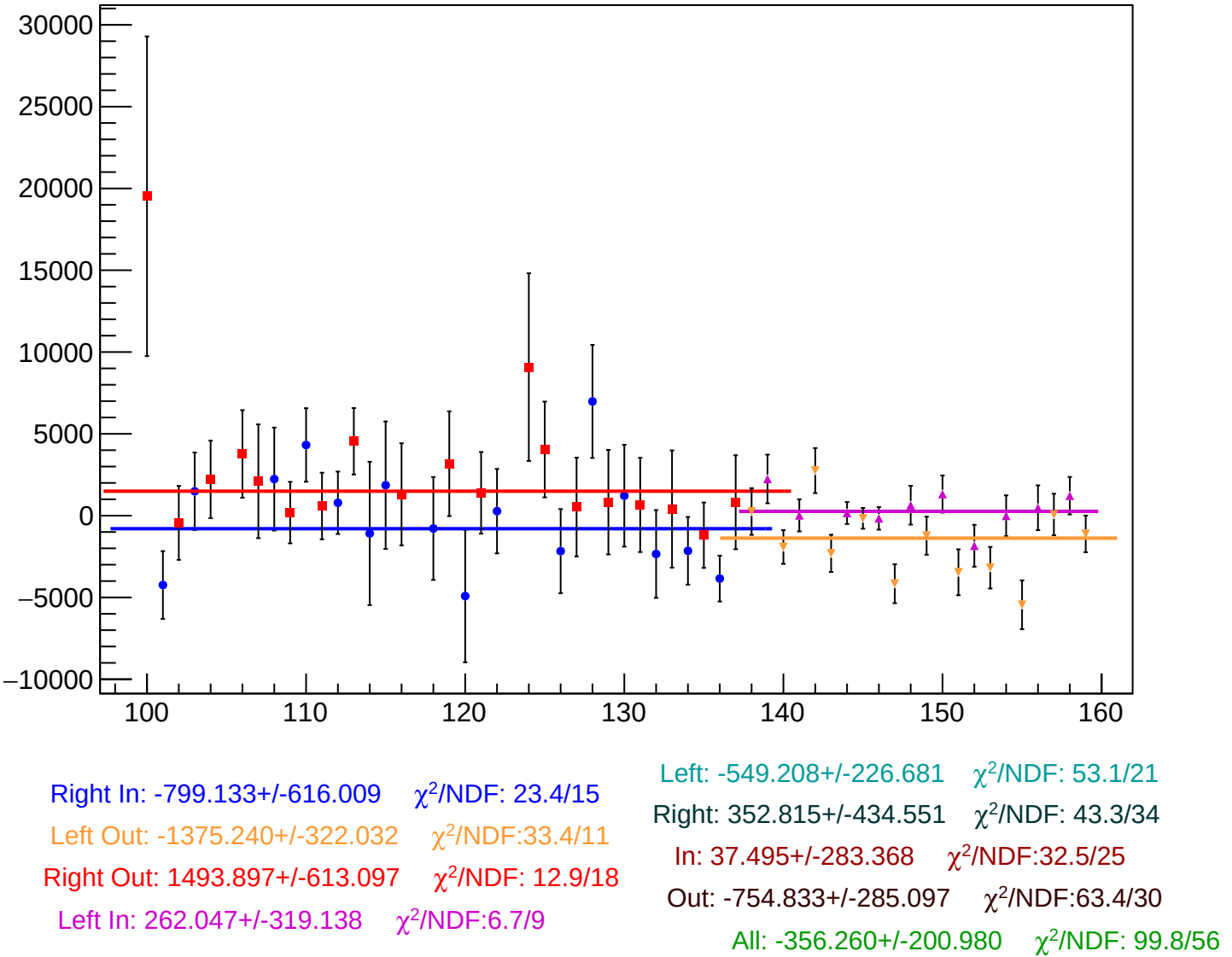
Left: 98.874+/-0.017 χ^2/NDF: 684873.6/21

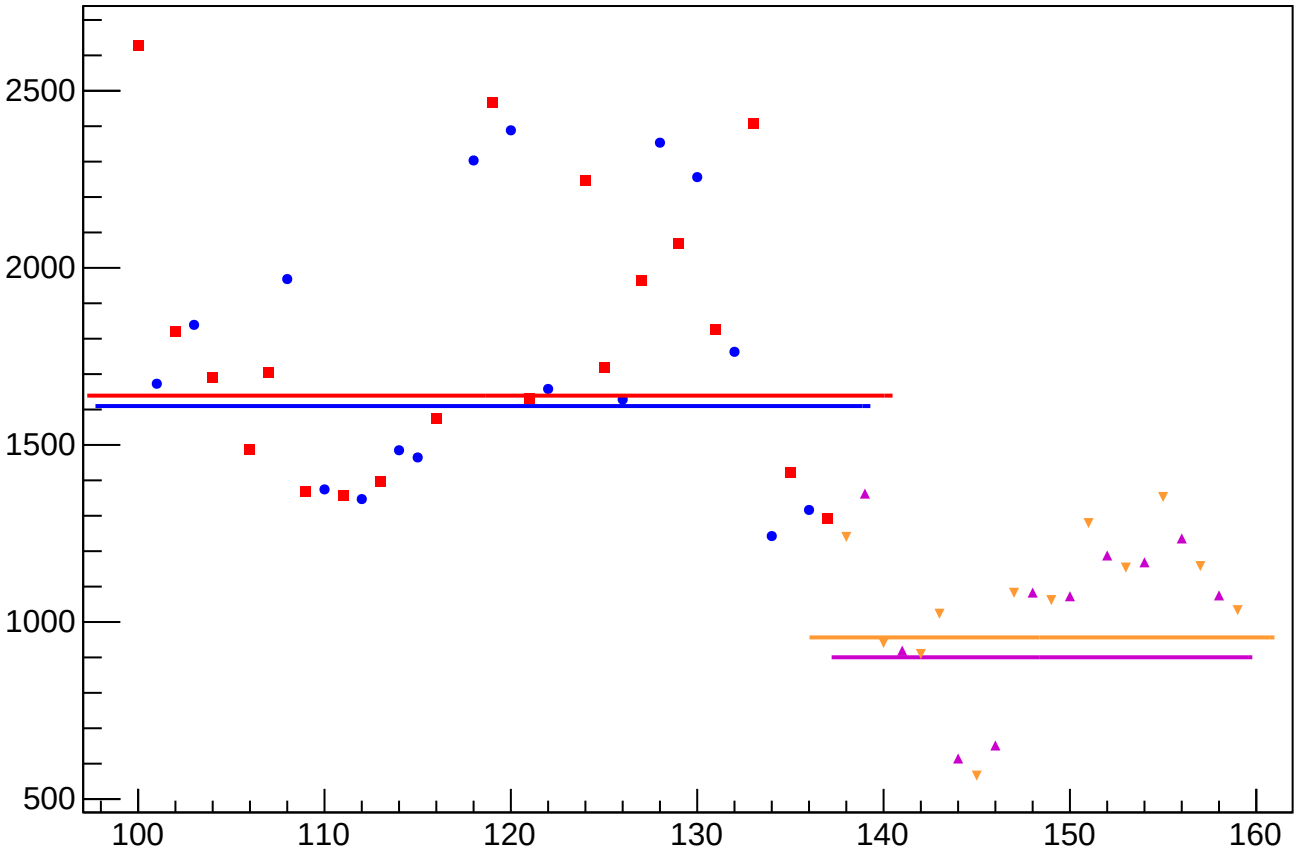
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 104.694+/-0.019 χ^2/NDF:1461529.5/25

Out: 106.019+/-0.019 χ^2/NDF:1505615.8/30

All: 105.367+/-0.013 χ^2/NDF: 2969555.1/56


asym_sam3_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -799.133+/-616.009 χ²/NDF: 23.4/15
Left Out: -1375.240+/-322.032 χ²/NDF:33.4/11
Right Out: 1493.897+/-613.097 χ²/NDF: 12.9/18
Left In: 262.047+/-319.138 χ²/NDF:6.7/9
Left: -549.208+/-226.681 χ²/NDF: 53.1/21
Right: 352.815+/-434.551 χ²/NDF: 43.3/34
In: 37.495+/-283.368 χ²/NDF:32.5/25
Out: -754.833+/-285.097 χ²/NDF:63.4/30
All: -356.260+/-200.980 χ²/NDF: 99.8/56



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 956.497+/-0.228 χ^2/NDF:1236928.6/11

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 900.400+/-0.226 χ^2/NDF:1267639.5/9

Left: 928.195+/-0.160 χ^2/NDF: 2535186.1/21

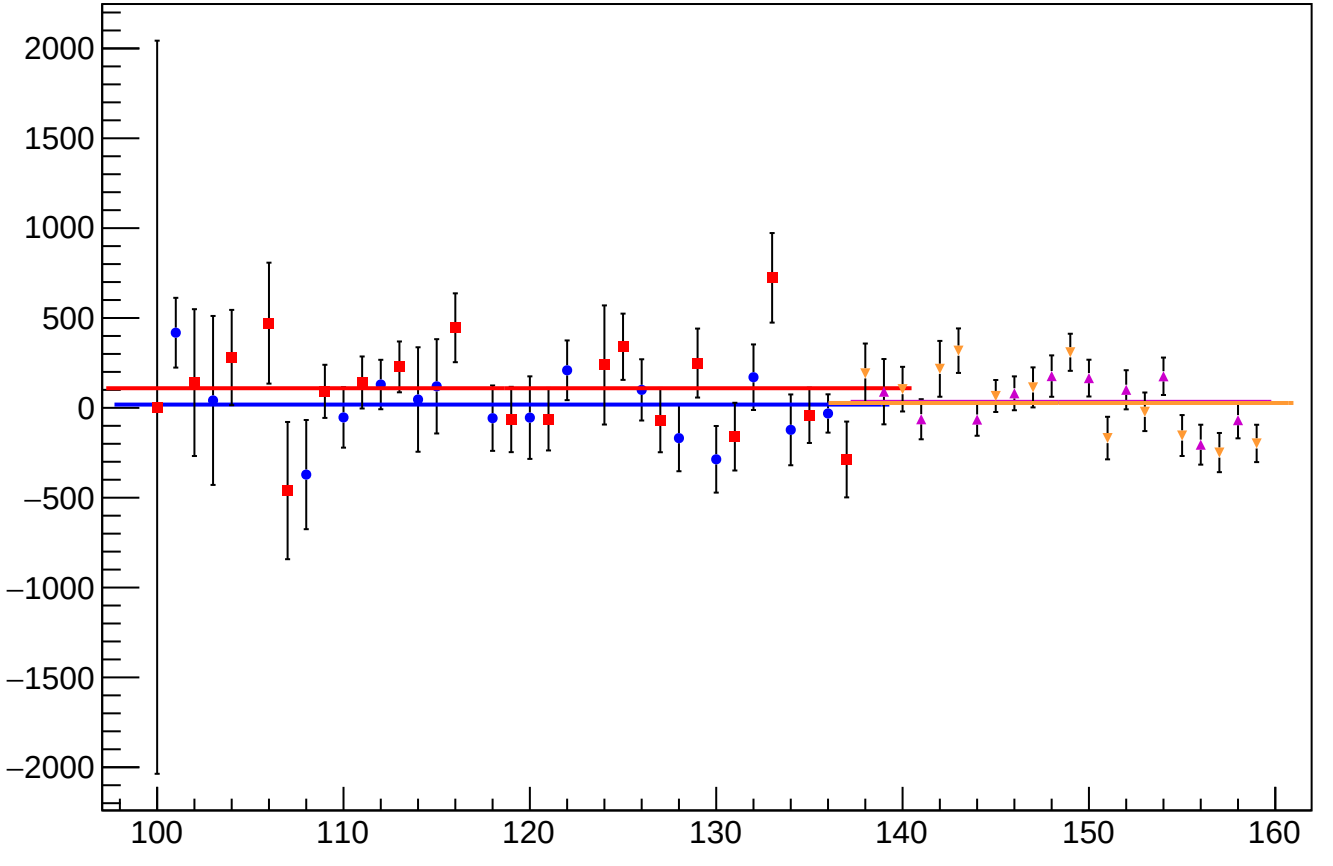
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1050.509+/-0.200 χ^2/NDF:3977790.5/25

Out: 1104.130+/-0.202 χ^2/NDF:3701008.6/30

All: 1077.157+/-0.142 χ^2/NDF: 7714387.7/56

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 27.089+/-32.964 χ^2/NDF:33.2/11

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 33.430+/-33.850 χ^2/NDF:13.4/9

Left: 30.175+/-23.616 χ^2/NDF: 46.6/21

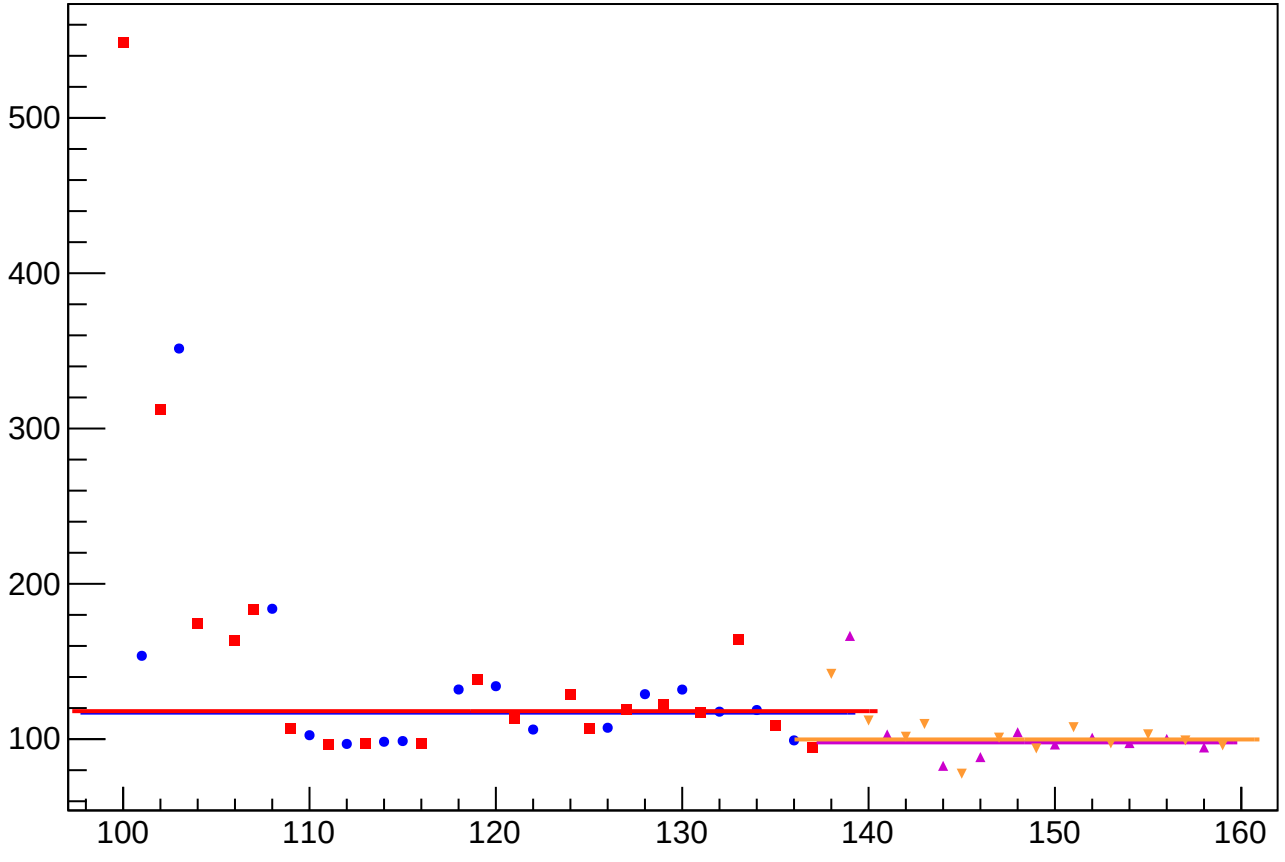
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.032+/-27.202 χ^2/NDF:27.3/25

Out: 55.070+/-26.760 χ^2/NDF:60.7/30

All: 41.772+/-19.077 χ^2/NDF: 88.5/56

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.789+/-0.023 χ^2/NDF:305395.3/11

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

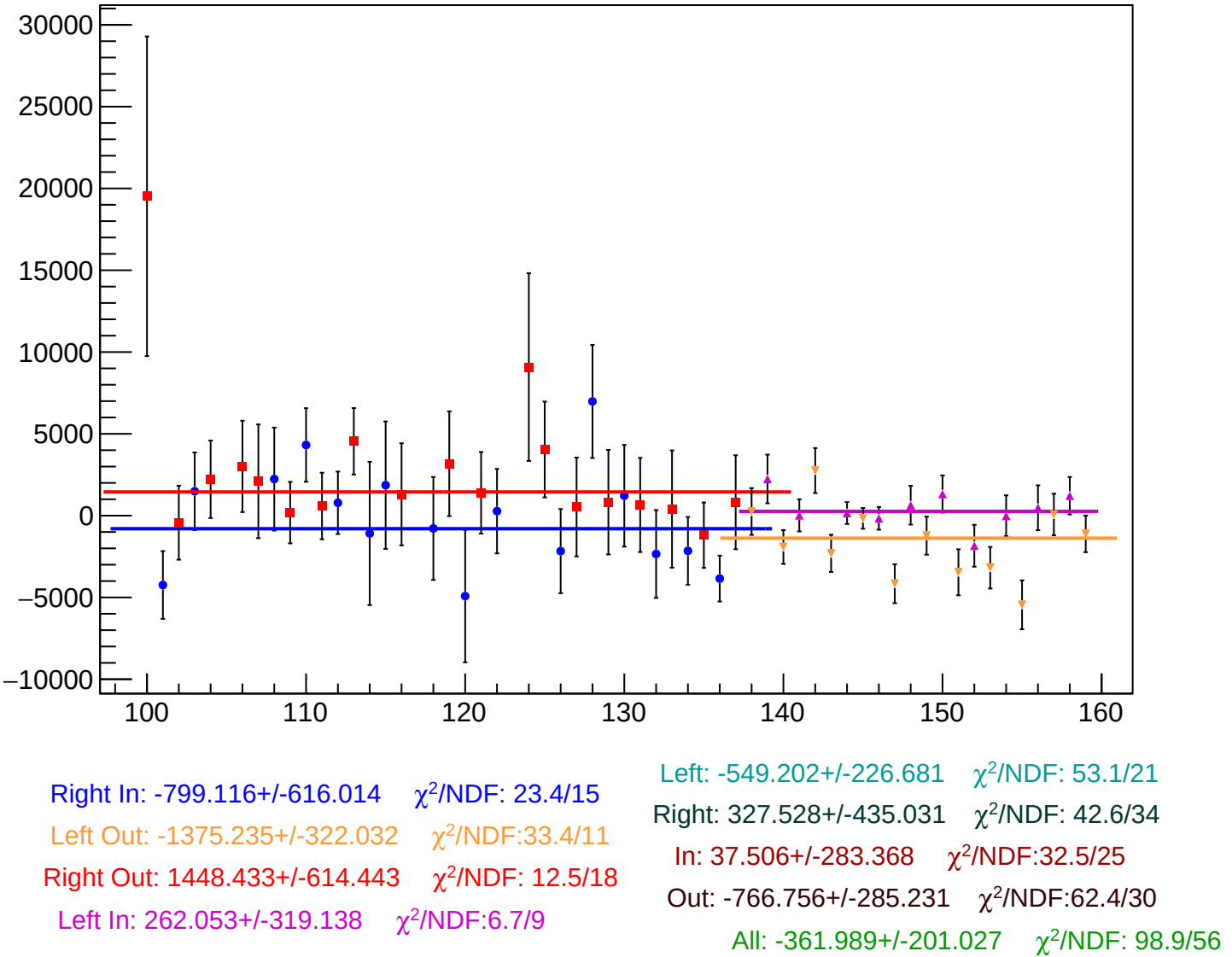
Left: 98.874+/-0.017 χ^2/NDF: 684873.6/21

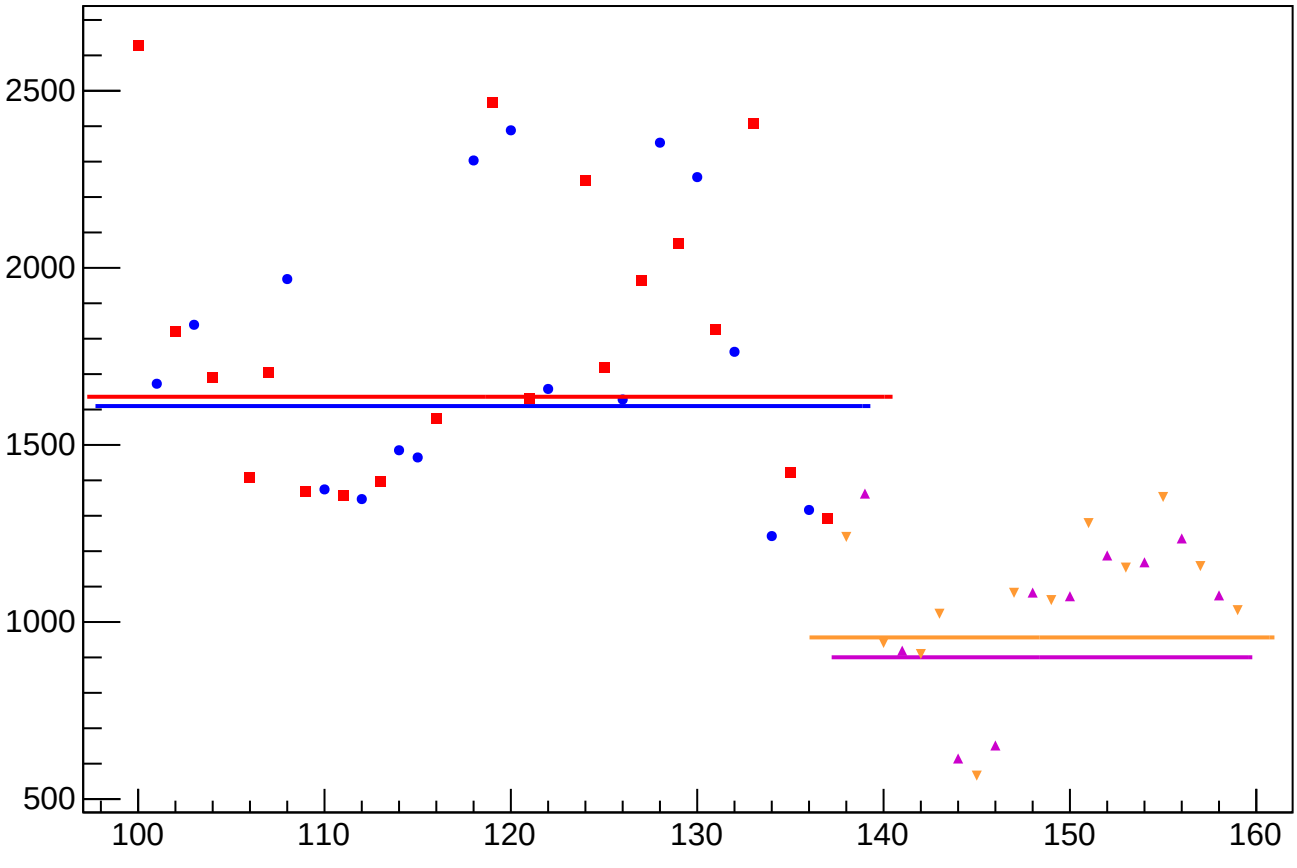
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 104.694+/-0.019 χ^2/NDF:1461531.4/25

Out: 106.000+/-0.019 χ^2/NDF:1500217.7/30

All: 105.358+/-0.013 χ^2/NDF: 2964093.0/56


asym_sam3_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -799.116+/-616.014 χ²/NDF: 23.4/15
Left Out: -1375.235+/-322.032 χ²/NDF:33.4/11
Right Out: 1448.433+/-614.443 χ²/NDF: 12.5/18
Left In: 262.053+/-319.138 χ²/NDF:6.7/9
Left: -549.202+/-226.681 χ²/NDF: 53.1/21
Right: 327.528+/-435.031 χ²/NDF: 42.6/34
In: 37.506+/-283.368 χ²/NDF:32.5/25
Out: -766.756+/-285.231 χ²/NDF:62.4/30
All: -361.989+/-201.027 χ²/NDF: 98.9/56



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 956.497+/-0.228 χ^2/NDF:1236929.9/11

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

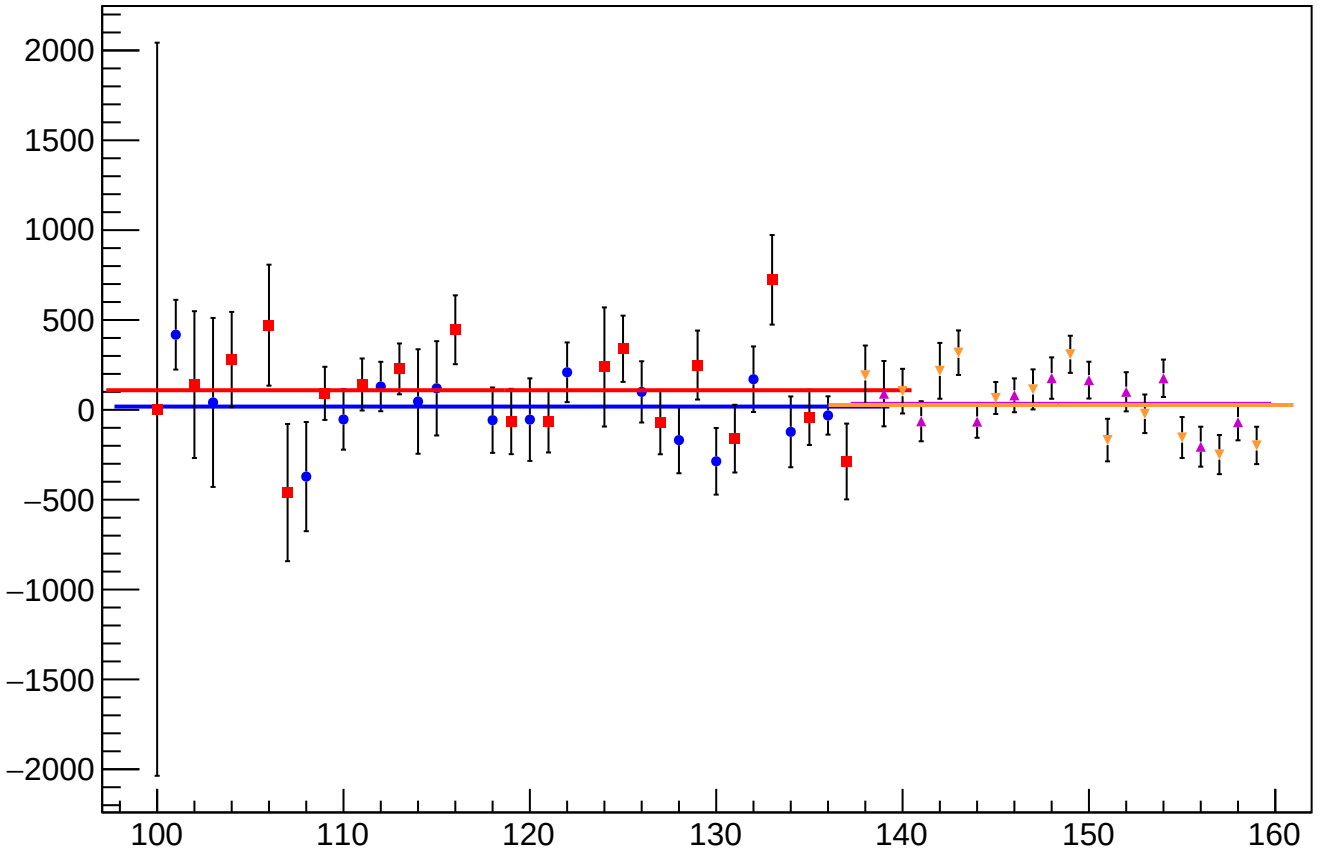
Left: 928.195+/-0.160 χ^2/NDF: 2535189.8/21

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1050.509+/-0.200 χ^2/NDF:3977854.5/25

Out: 1102.934+/-0.202 χ^2/NDF:3683876.0/30

All: 1076.550+/-0.142 χ^2/NDF: 7695733.4/56



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 27.089+/-32.964 χ^2/NDF:33.2/11

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 33.430+/-33.850 χ^2/NDF:13.4/9

Left: 30.175+/-23.616 χ^2/NDF: 46.6/21

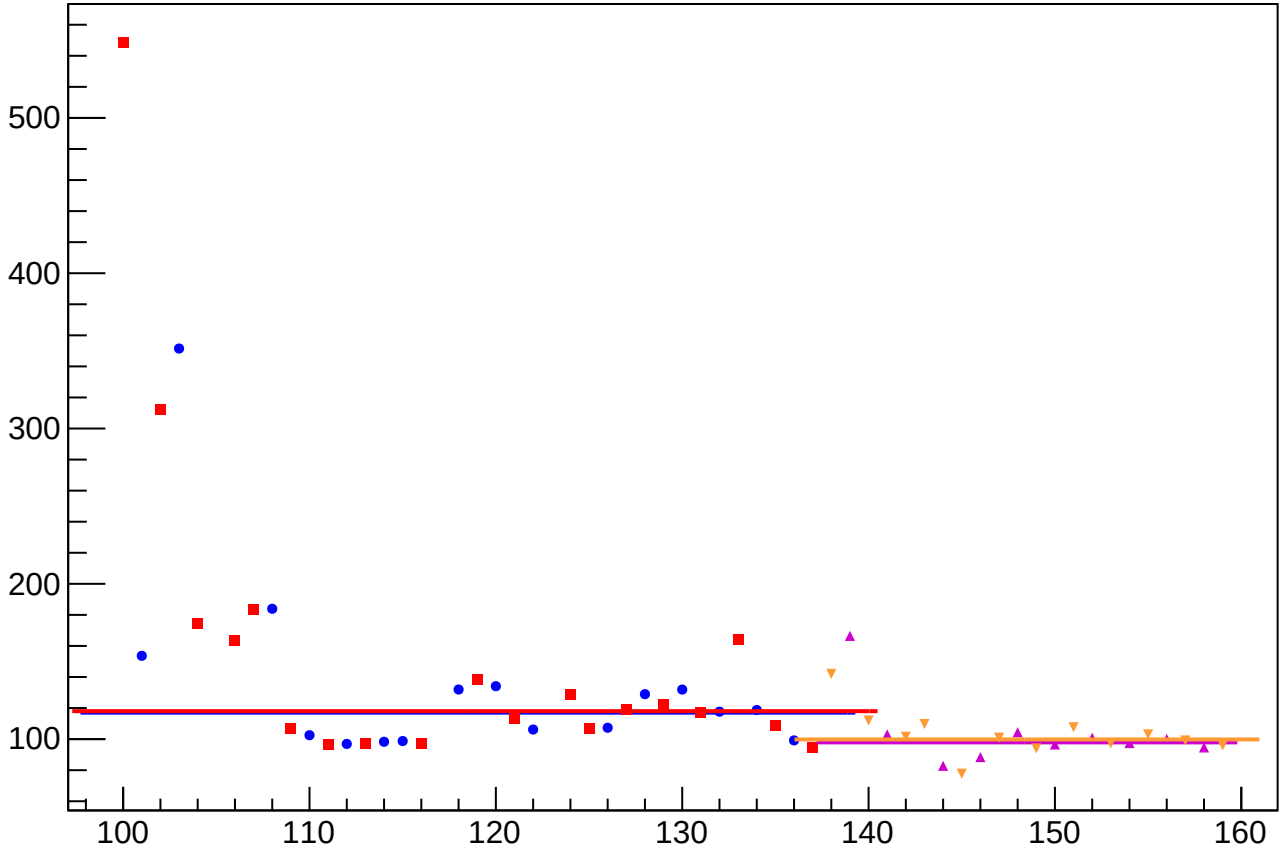
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.032+/-27.202 χ^2/NDF:27.3/25

Out: 55.070+/-26.760 χ^2/NDF:60.7/30

All: 41.772+/-19.077 χ^2/NDF: 88.5/56

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.789+/-0.023 χ^2/NDF:305395.3/11

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

Left: 98.874+/-0.017 χ^2/NDF: 684873.6/21

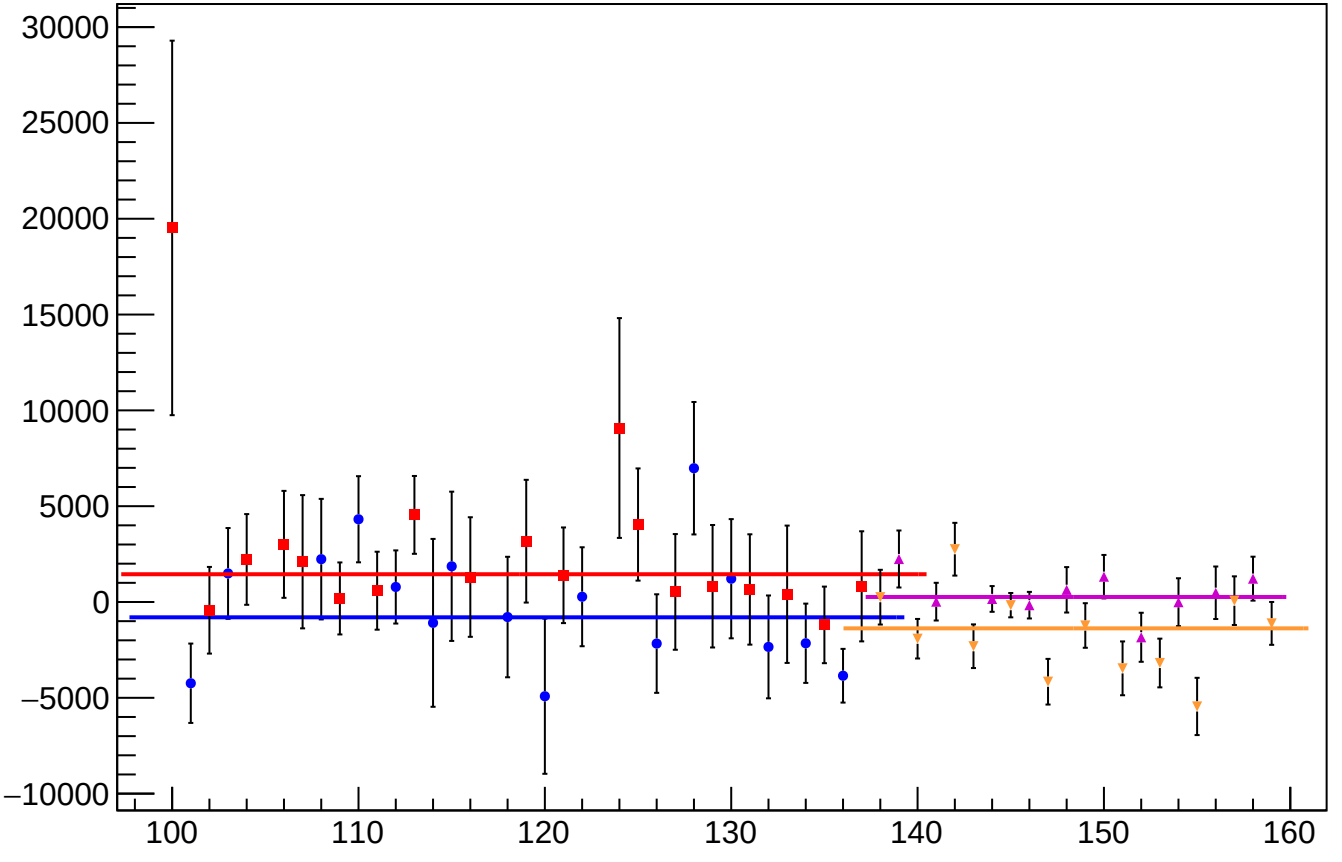
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 104.694+/-0.019 χ^2/NDF:1461531.4/25

Out: 106.000+/-0.019 χ^2/NDF:1500217.7/30

All: 105.358+/-0.013 χ^2/NDF: 2964093.0/56

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1375.235+/-322.032 χ^2/NDF:33.4/11

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 262.053+/-319.138 χ^2/NDF:6.7/9

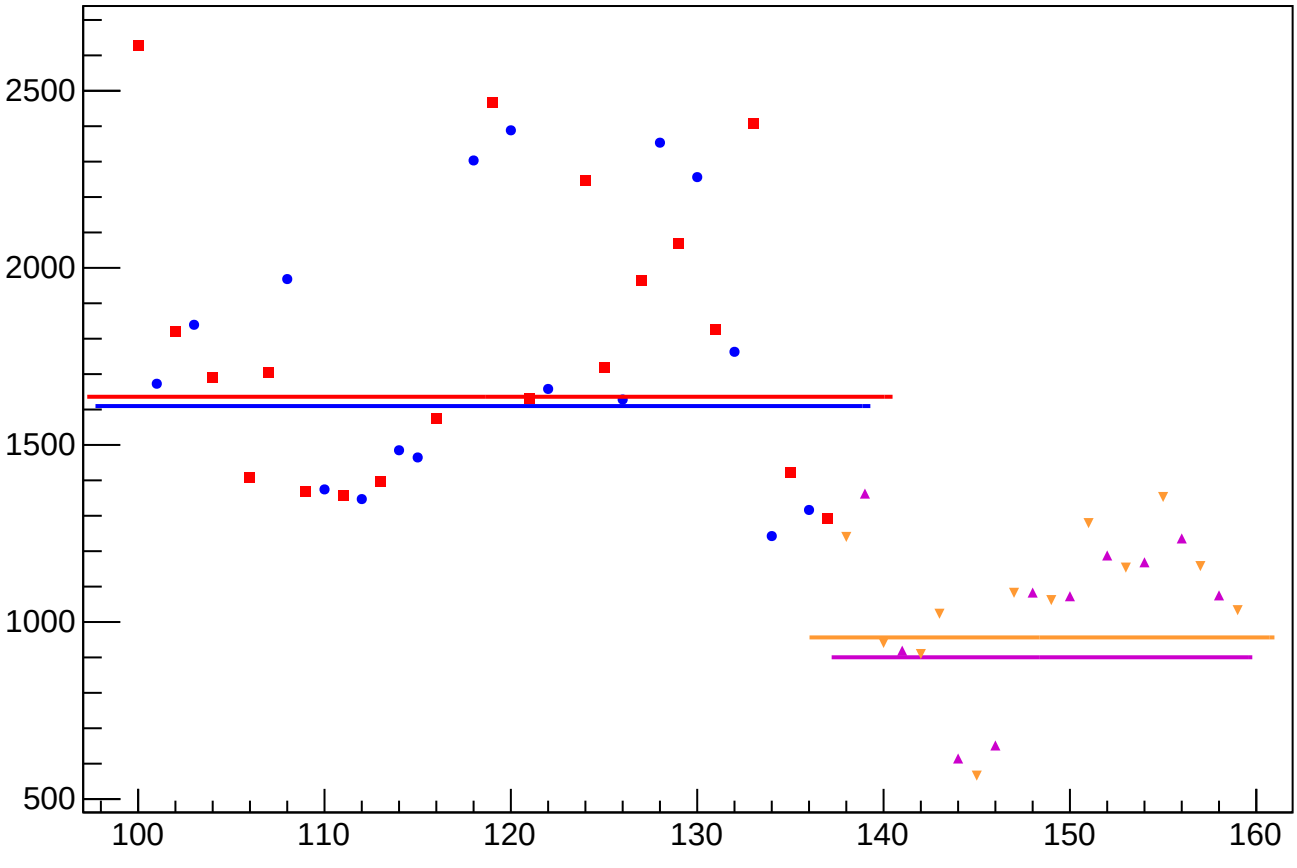
Left: -549.202+/-226.681 χ^2/NDF: 53.1/21

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 37.506+/-283.368 χ^2/NDF:32.5/25

Out: -766.756+/-285.231 χ^2/NDF:62.4/30

All: -361.989+/-201.027 χ^2/NDF: 98.9/56



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 956.497+/-0.228 χ^2/NDF:1236929.9/11

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

Left: 928.195+/-0.160 χ^2/NDF: 2535189.8/21

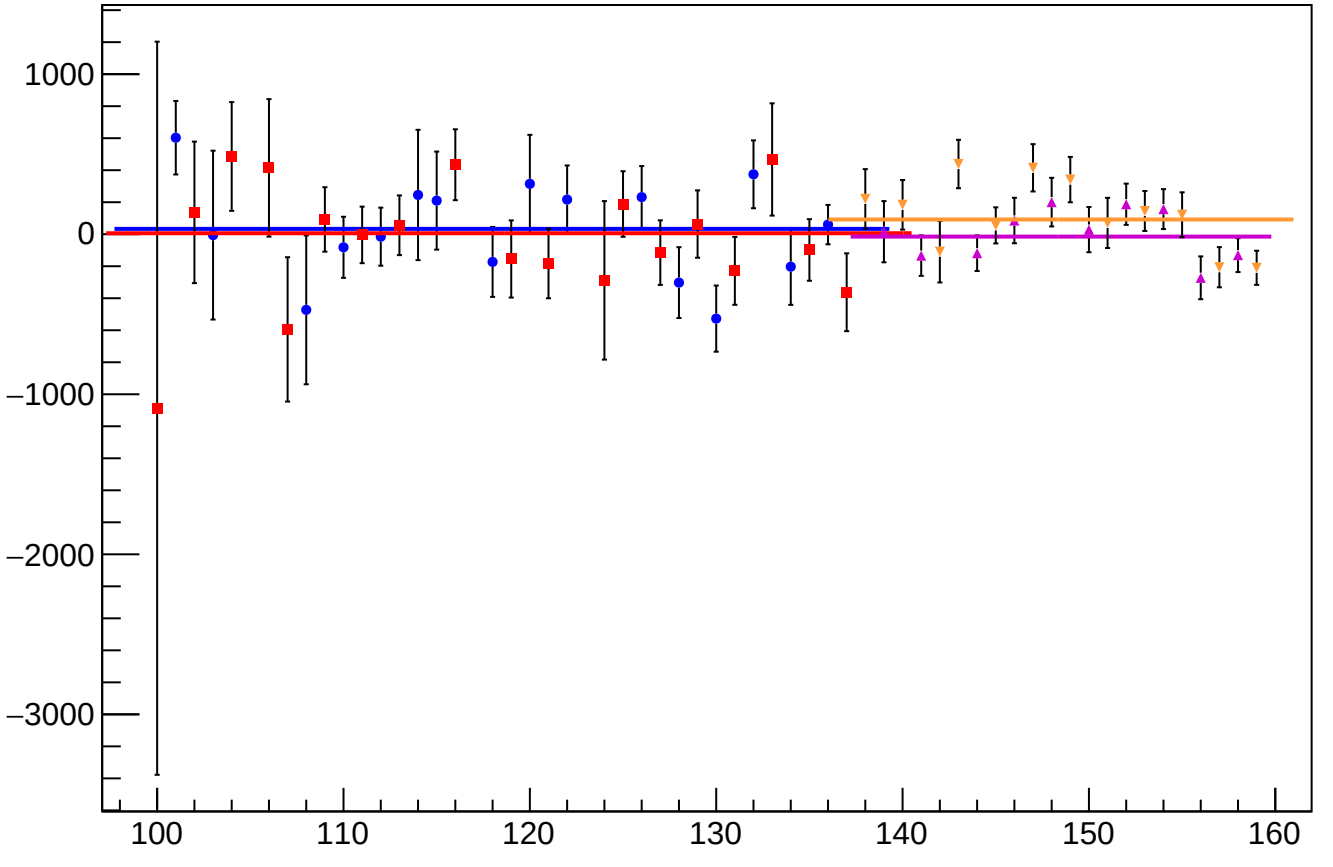
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1050.509+/-0.200 χ^2/NDF:3977854.5/25

Out: 1102.934+/-0.202 χ^2/NDF:3683876.0/30

All: 1076.550+/-0.142 χ^2/NDF: 7695733.4/56

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 92.085+/-40.066 χ^2/NDF:29.1/11

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -14.883+/-41.384 χ^2/NDF:13.7/9

Left: 40.331+/-28.786 χ^2/NDF: 46.2/21

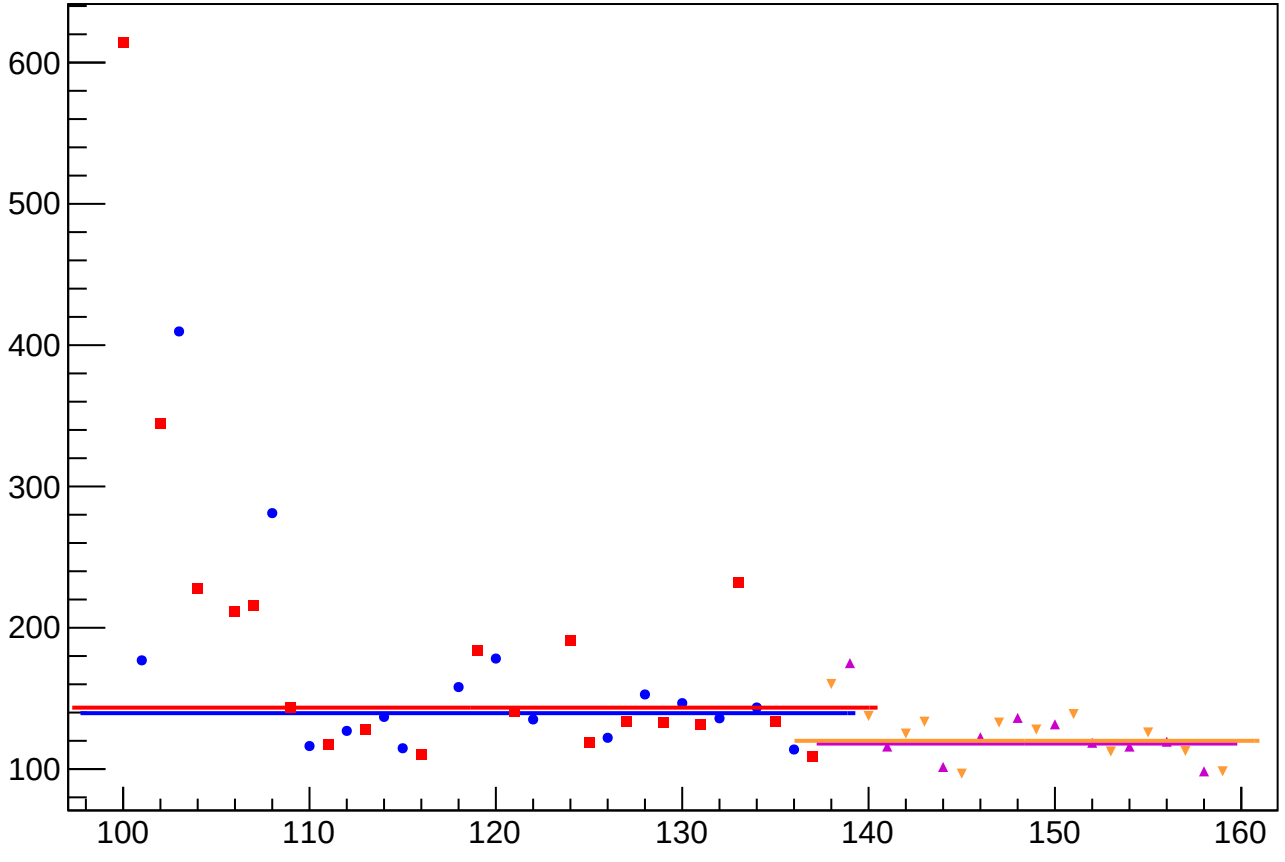
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 2.634+/-33.048 χ^2/NDF:39.3/25

Out: 63.036+/-32.603 χ^2/NDF:47.9/30

All: 33.245+/-23.210 χ^2/NDF: 89.0/56

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 120.015+/-0.028 χ^2/NDF:371749.4/11

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 118.058+/-0.029 χ^2/NDF:341534.2/9

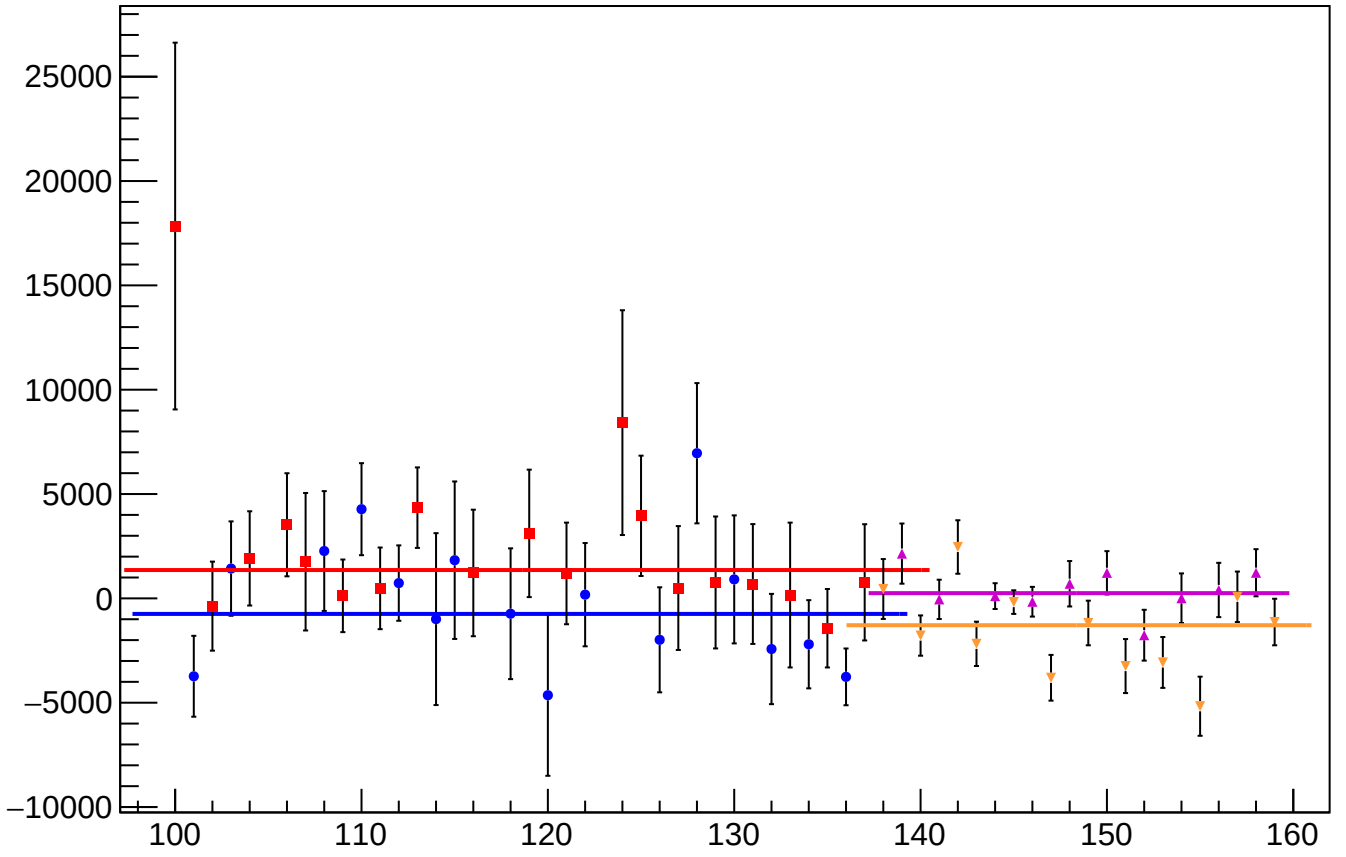
Left: 119.068+/-0.020 χ^2/NDF: 715592.7/21

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 125.850+/-0.023 χ^2/NDF:1513987.6/25

Out: 127.943+/-0.023 χ^2/NDF:1720175.3/30

All: 126.910+/-0.016 χ^2/NDF: 3238227.7/56



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1286.351+/-299.646 χ^2/NDF:33.3/11

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 250.828+/-305.294 χ^2/NDF:6.8/9

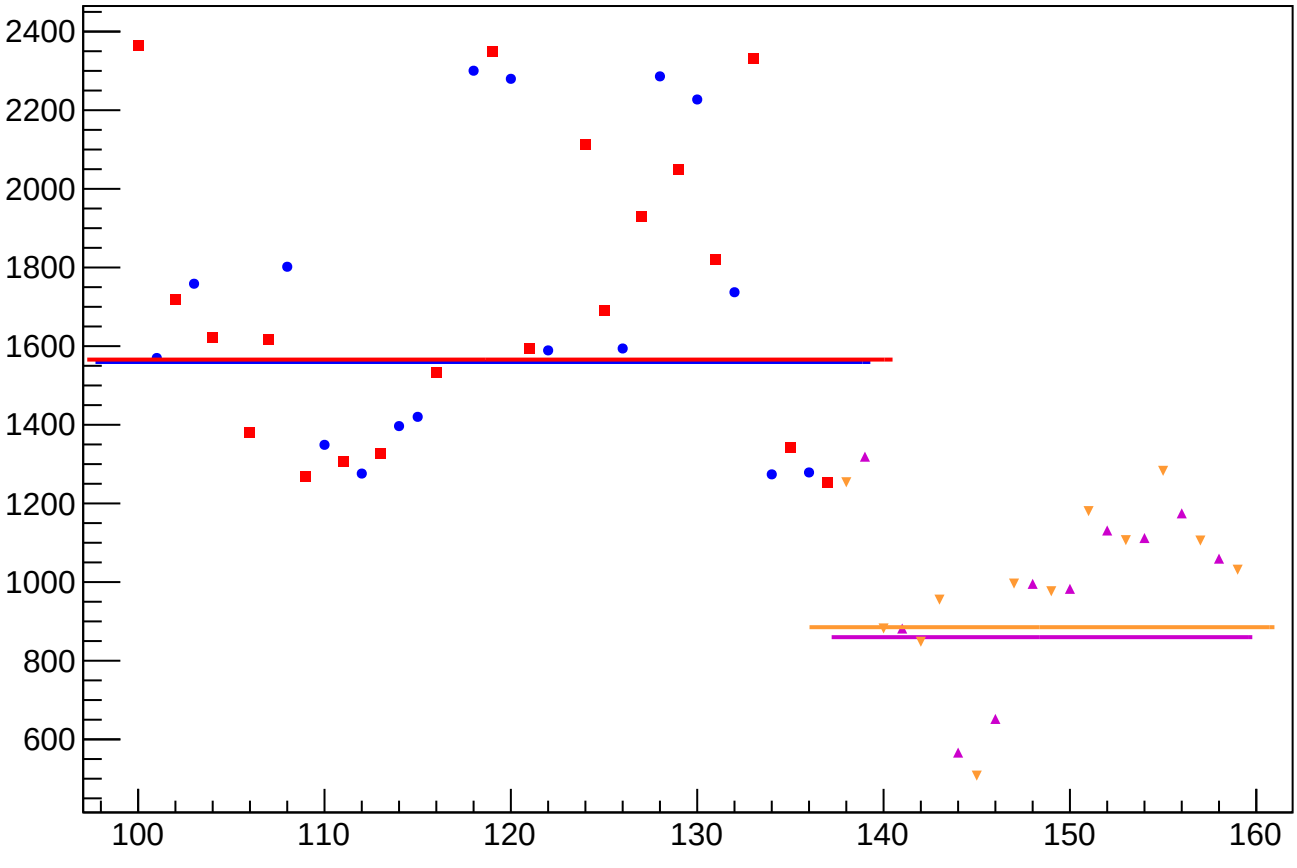
Left: -532.110+/-213.851 χ^2/NDF: 53.1/21

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 43.806+/-271.702 χ^2/NDF:32.5/25

Out: -737.987+/-266.772 χ^2/NDF:63.0/30

All: -354.246+/-190.355 χ^2/NDF: 99.7/56



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 885.288+/-0.212 χ^2/NDF:1495005.2/11

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 859.924+/-0.216 χ^2/NDF:1253628.8/9

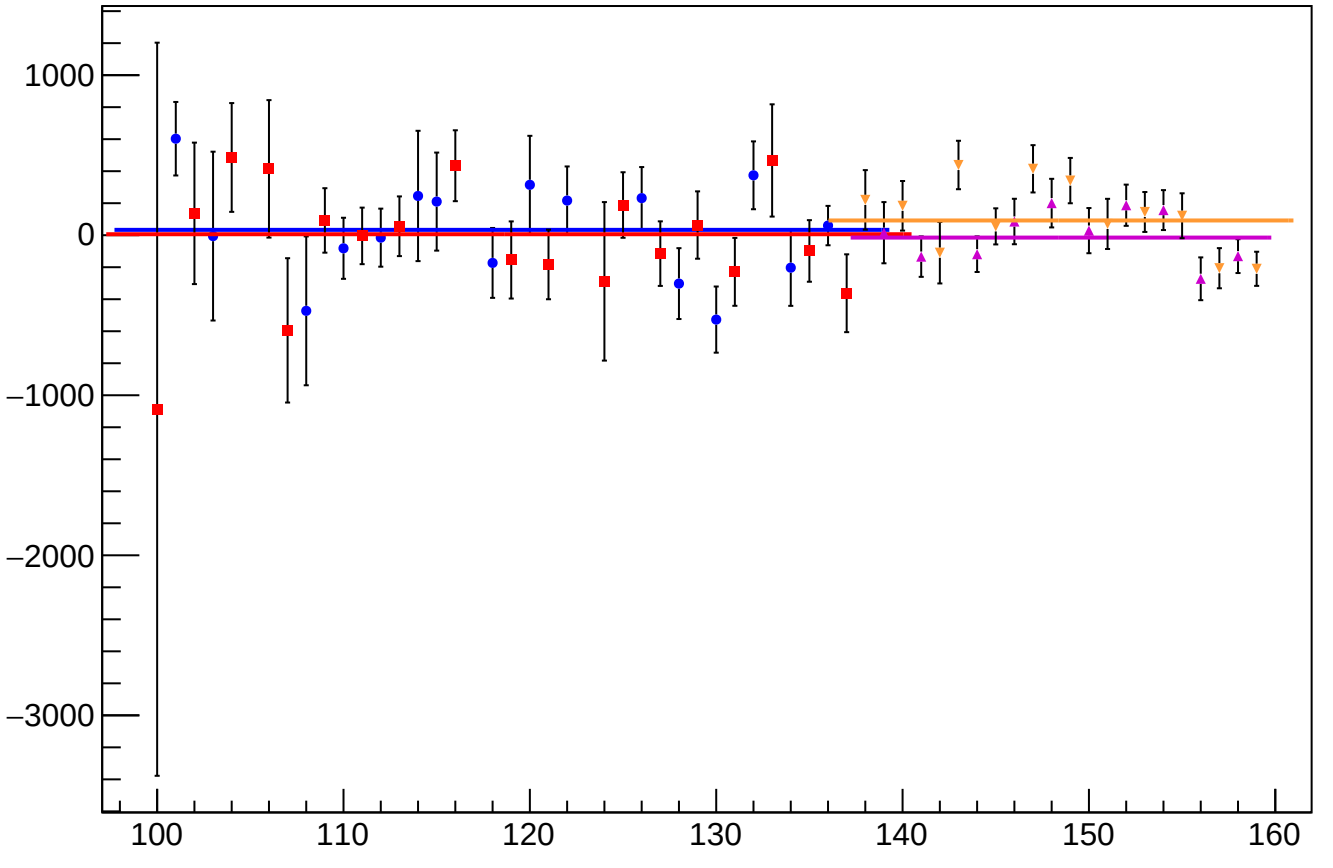
Left: 872.842+/-0.151 χ^2/NDF: 2755665.2/21

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1005.453+/-0.192 χ^2/NDF:4043217.5/25

Out: 1026.415+/-0.189 χ^2/NDF:4198122.6/30

All: 1016.126+/-0.135 χ^2/NDF: 8247401.4/56



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 92.088+/-40.067 χ^2/NDF:29.1/11

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -14.884+/-41.384 χ^2/NDF:13.7/9

Left: 40.332+/-28.786 χ^2/NDF: 46.2/21

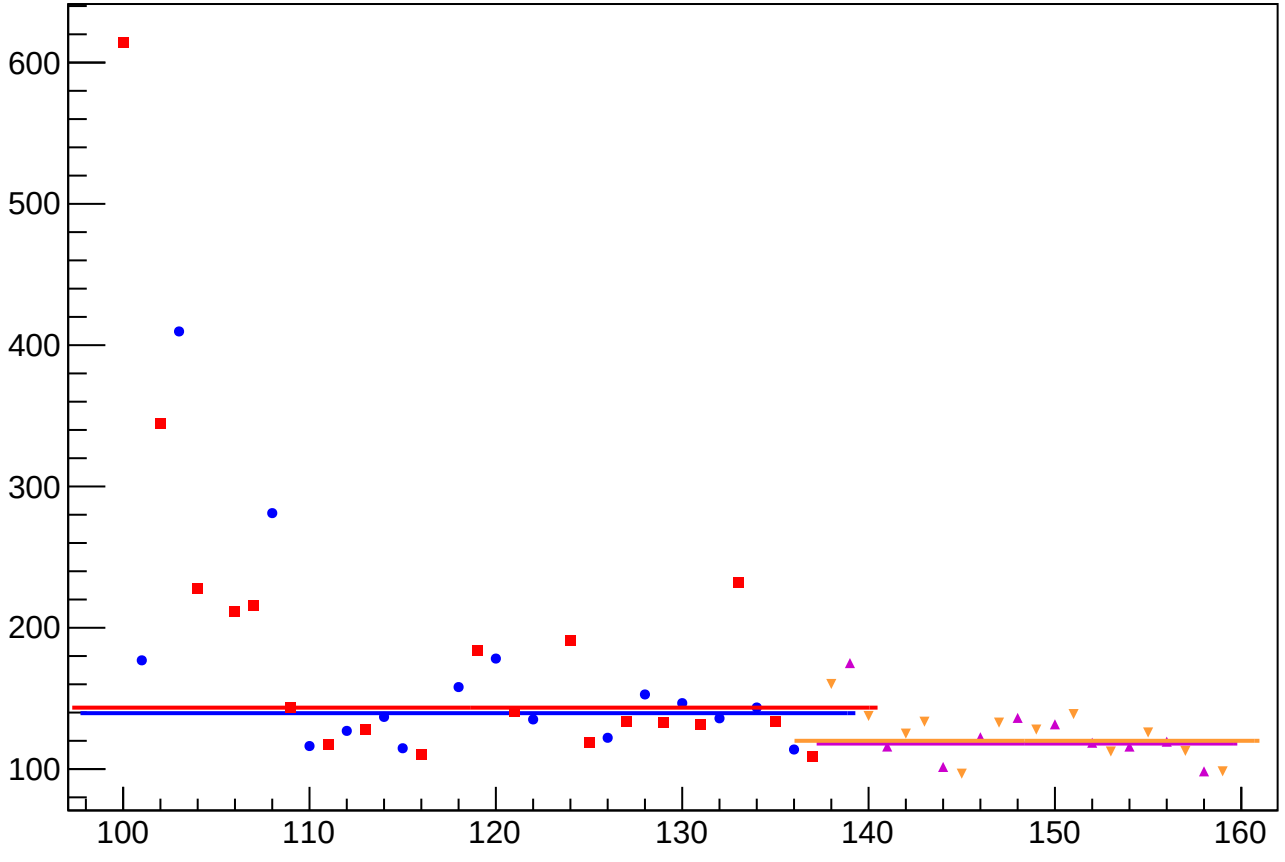
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 2.633+/-33.049 χ^2/NDF:39.3/25

Out: 63.037+/-32.603 χ^2/NDF:47.9/30

All: 33.245+/-23.210 χ^2/NDF: 89.0/56

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 120.016+/-0.028 χ^2/NDF:371761.5/11

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 118.058+/-0.029 χ^2/NDF:341536.7/9

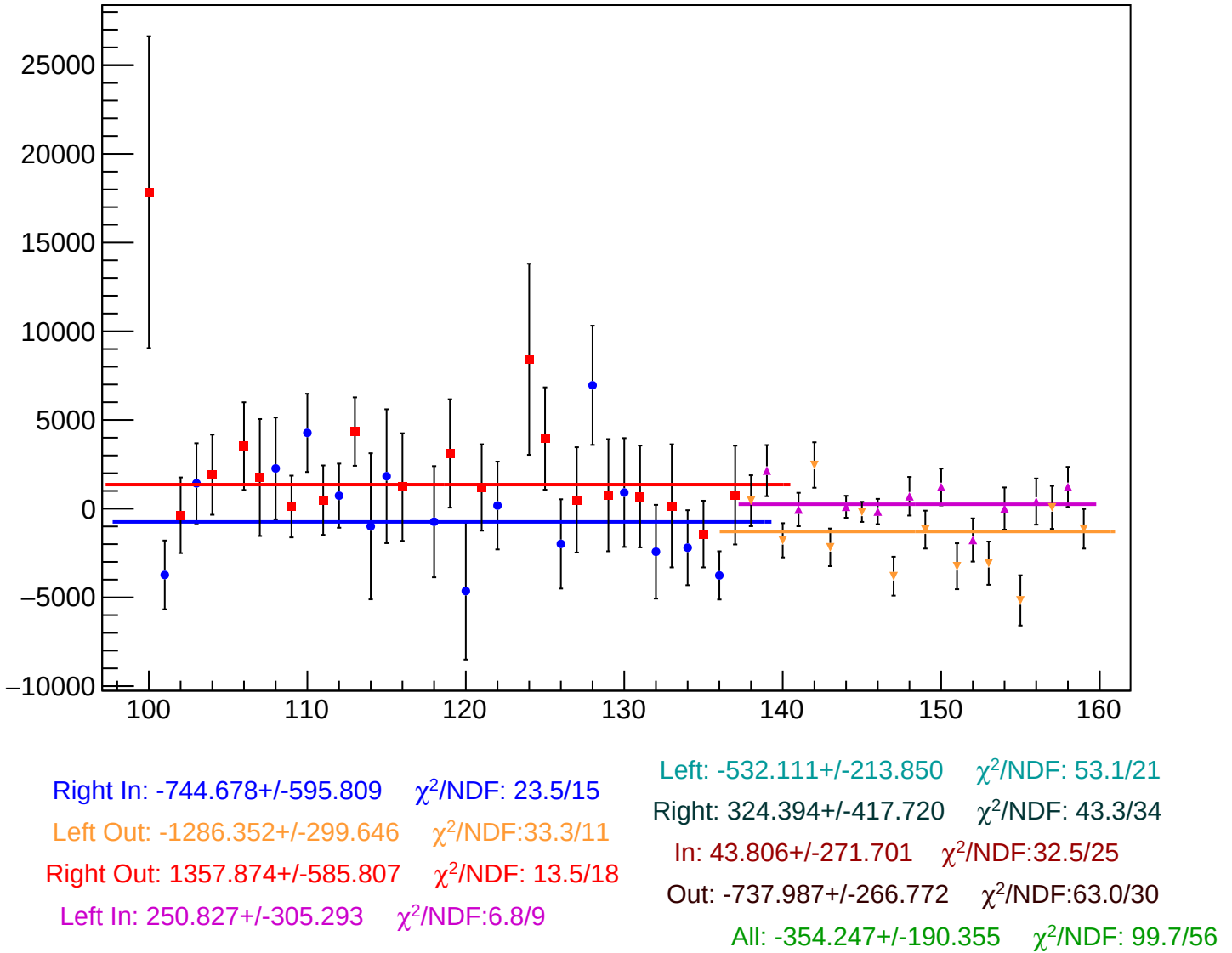
Left: 119.069+/-0.020 χ^2/NDF: 715607.5/21

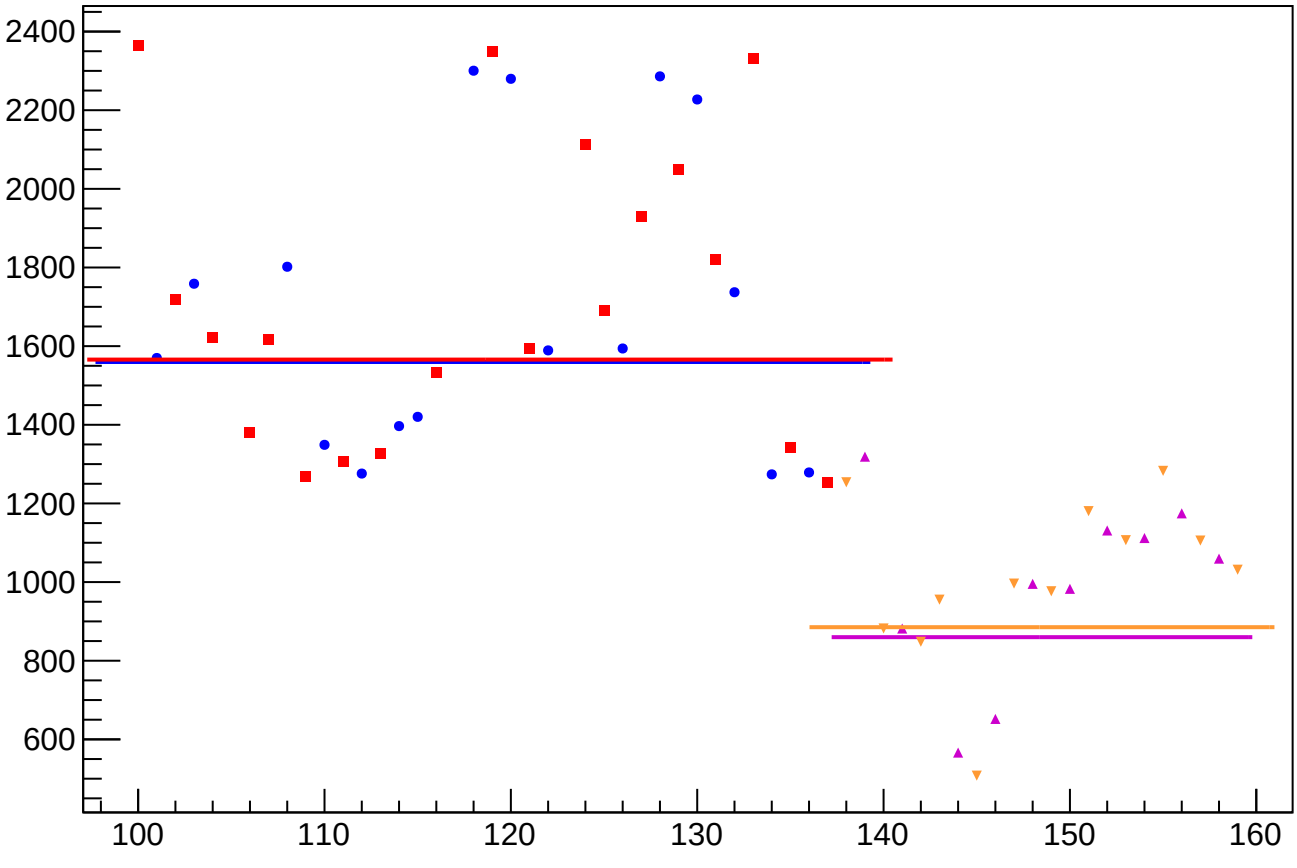
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 125.850+/-0.023 χ^2/NDF:1513985.5/25

Out: 127.943+/-0.023 χ^2/NDF:1720188.2/30

All: 126.911+/-0.016 χ^2/NDF: 3238239.0/56


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -744.678+/-595.809 χ²/NDF: 23.5/15
Left Out: -1286.352+/-299.646 χ²/NDF:33.3/11
Right Out: 1357.874+/-585.807 χ²/NDF: 13.5/18
Left In: 250.827+/-305.293 χ²/NDF:6.8/9
Left: -532.111+/-213.850 χ²/NDF: 53.1/21
Right: 324.394+/-417.720 χ²/NDF: 43.3/34
In: 43.806+/-271.701 χ²/NDF:32.5/25
Out: -737.987+/-266.772 χ²/NDF:63.0/30
All: -354.247+/-190.355 χ²/NDF: 99.7/56



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 885.287+/-0.212 χ^2/NDF:1495001.9/11

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 859.923+/-0.216 χ^2/NDF:1253626.0/9

Left: 872.841+/-0.151 χ^2/NDF: 2755659.1/21

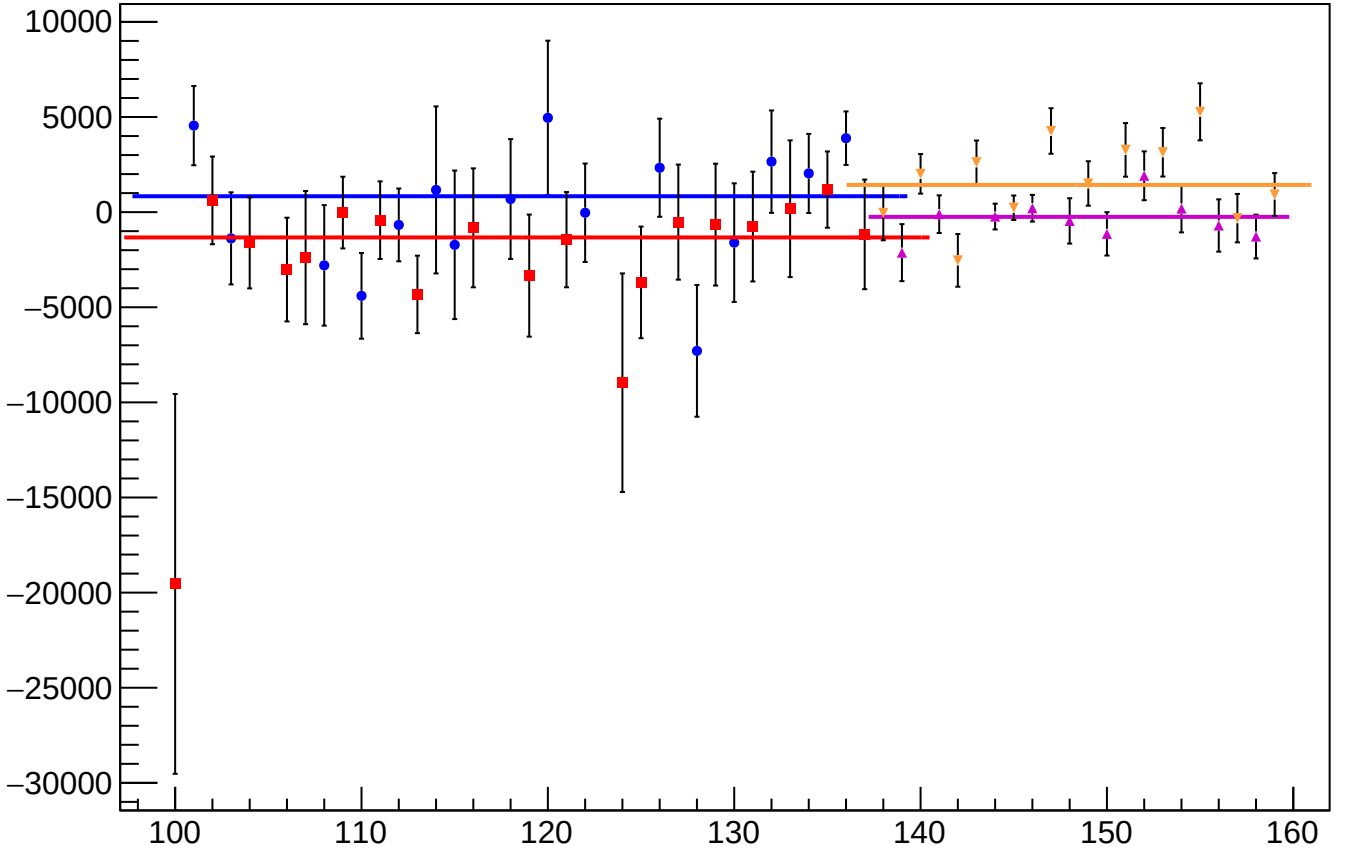
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1005.452+/-0.192 χ^2/NDF:4043216.0/25

Out: 1026.414+/-0.189 χ^2/NDF:4198116.4/30

All: 1016.125+/-0.135 χ^2/NDF: 8247393.6/56

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1431.766+/-324.102 χ^2/NDF:31.9/11

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -248.805+/-321.368 χ^2/NDF:6.5/9

Left: 584.364+/-228.202 χ^2/NDF: 52.0/21

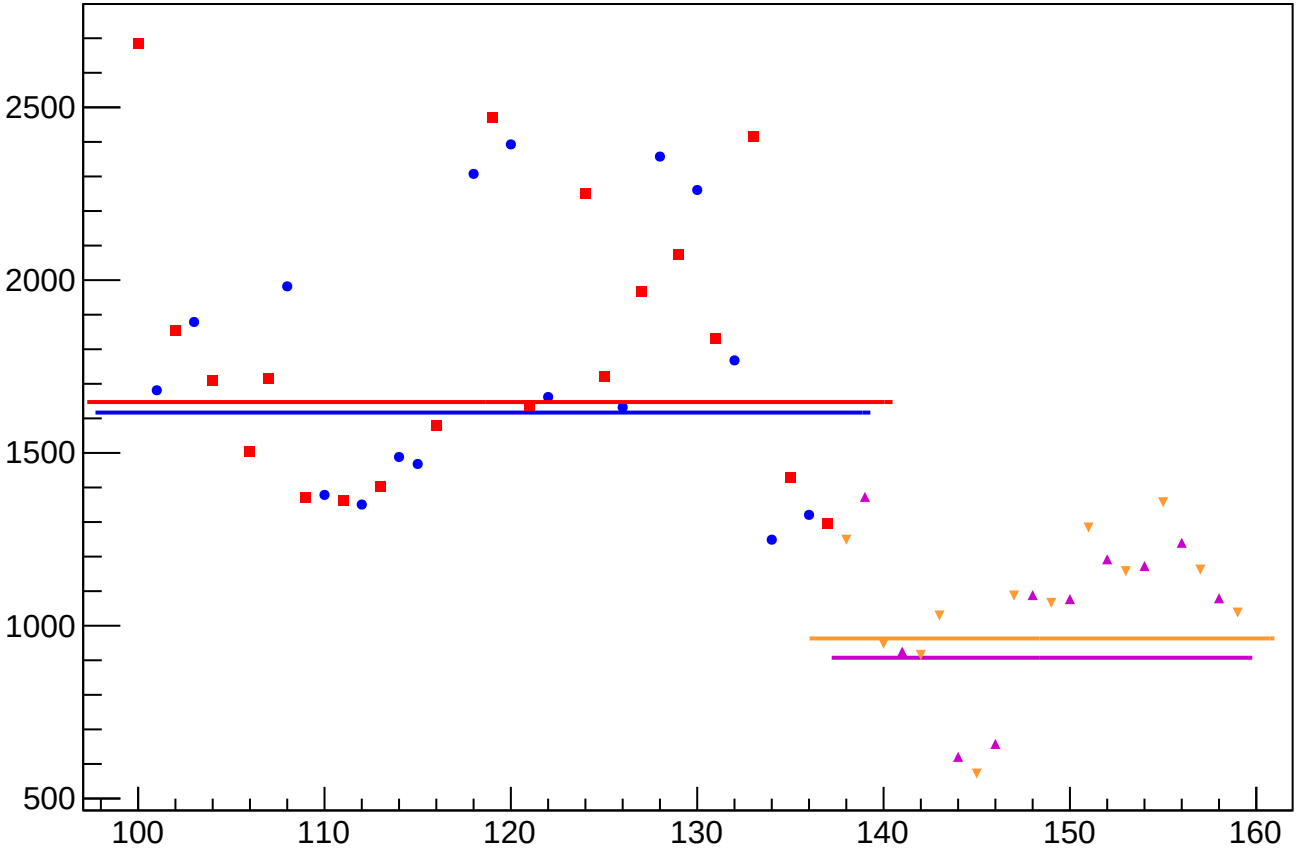
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -18.464+/-285.198 χ^2/NDF:33.8/25

Out: 833.750+/-286.868 χ^2/NDF:59.8/30

All: 405.156+/-202.253 χ^2/NDF: 98.0/56

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 963.197+/-0.229 χ^2/NDF:1214341.0/11

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 907.324+/-0.227 χ^2/NDF:1245836.2/9

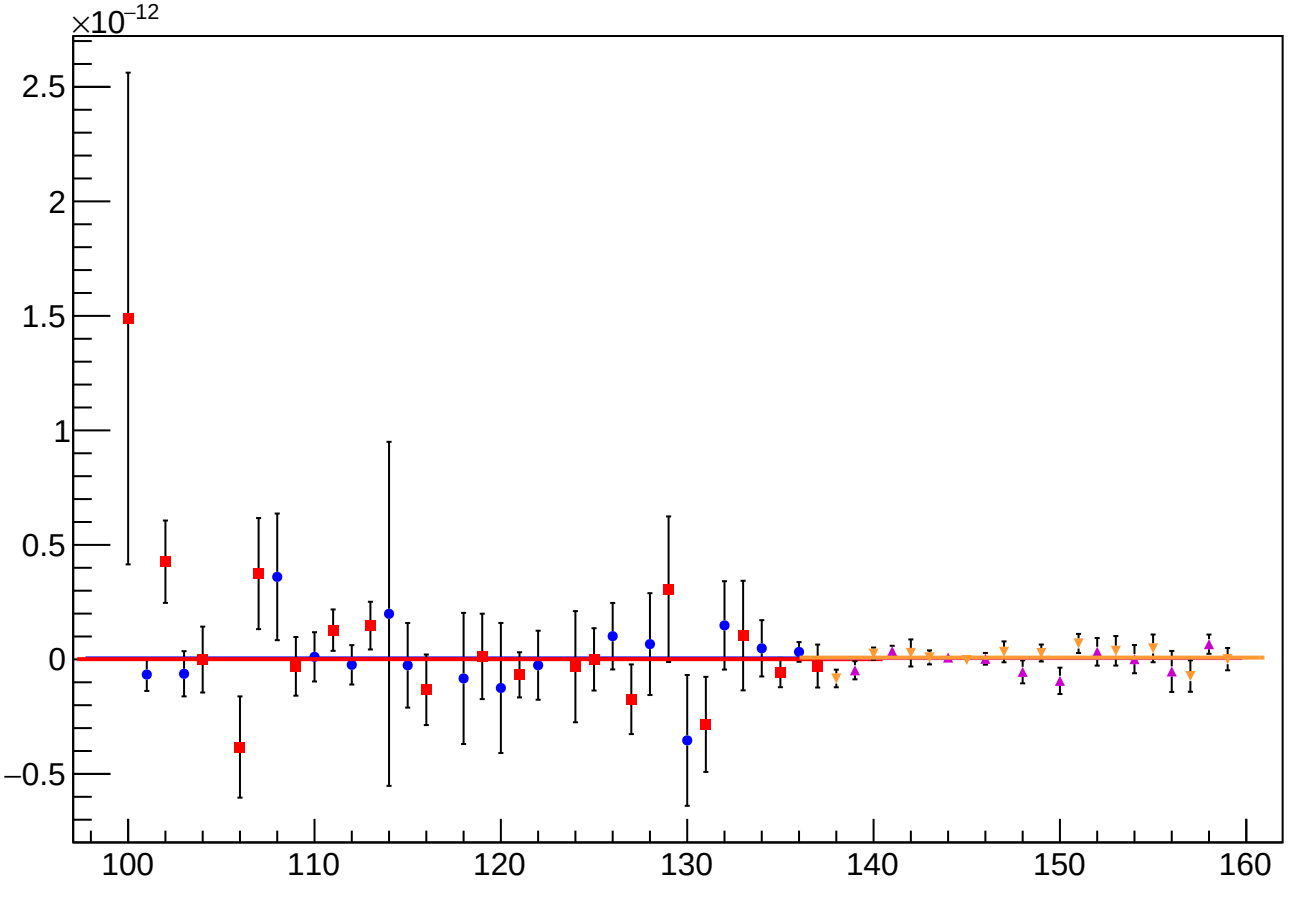
Left: 935.024+/-0.161 χ^2/NDF: 2490148.3/21

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1058.041+/-0.202 χ^2/NDF:3938844.3/25

Out: 1111.338+/-0.203 χ^2/NDF:3667574.2/30

All: 1084.534+/-0.143 χ^2/NDF: 7641137.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/9

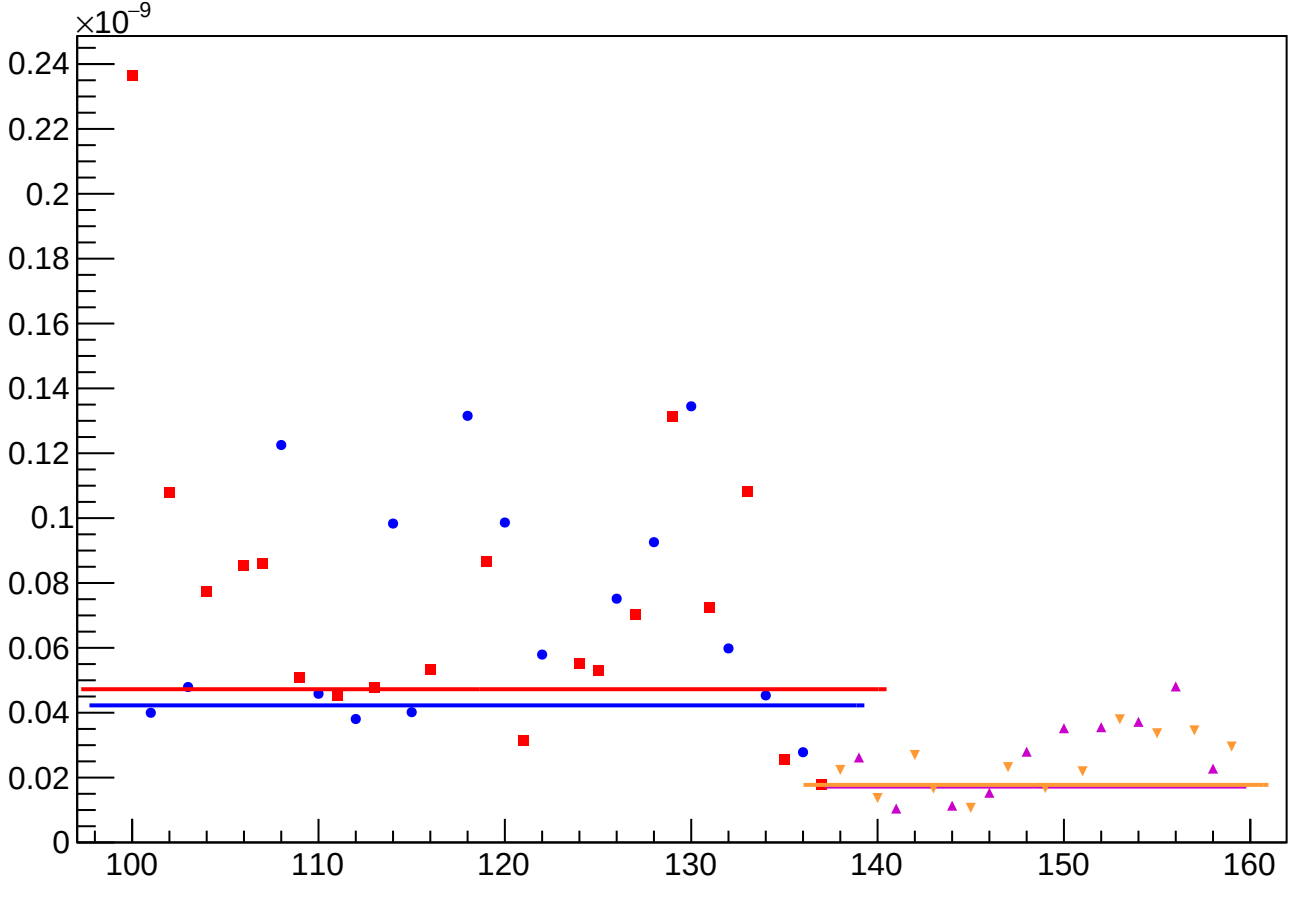
Left: 0.000+/-0.000 χ^2/NDF: 21.9/21

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:17.4/25

Out: 0.000+/-0.000 χ^2/NDF:34.8/30

All: 0.000+/-0.000 χ^2/NDF: 52.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1042835.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1443910.1/9

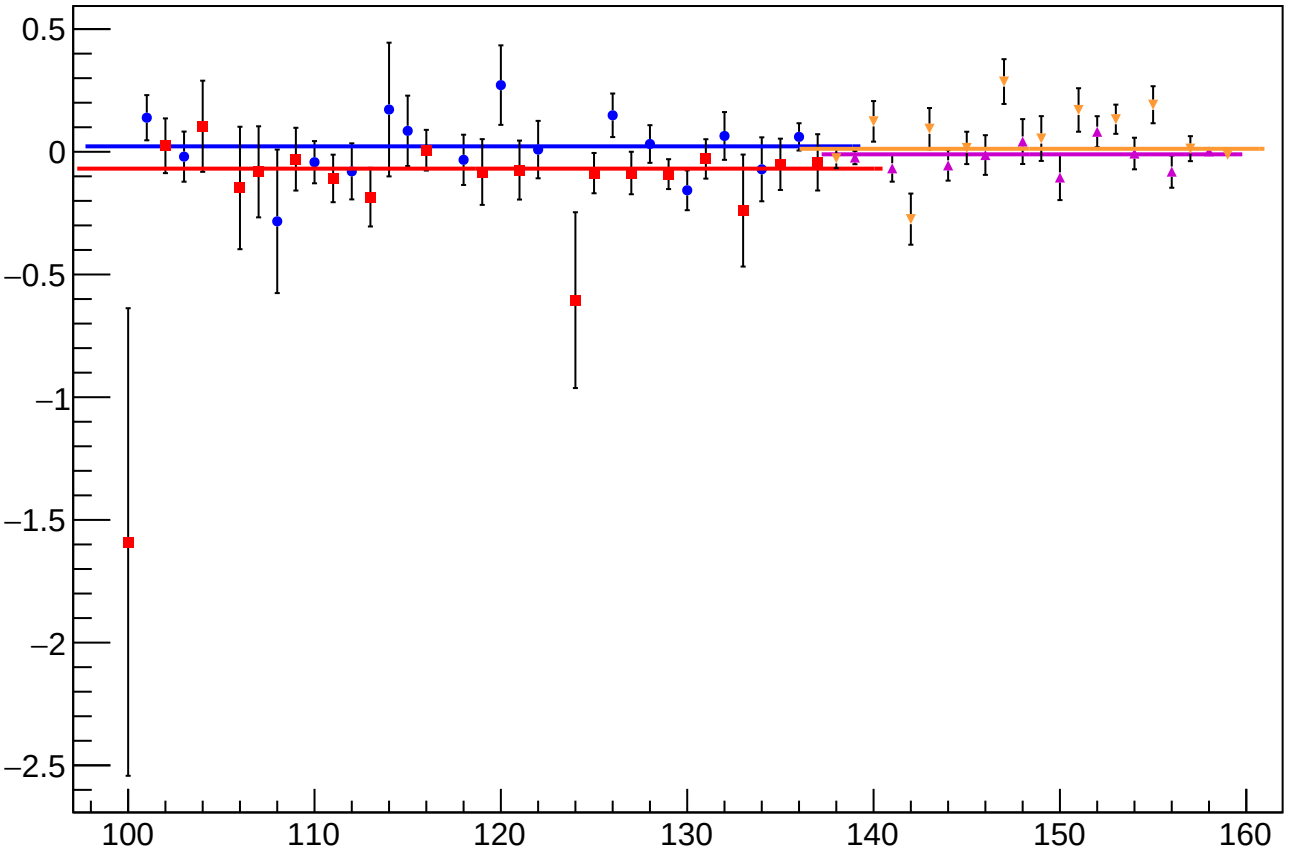
Left: 0.000+/-0.000 χ^2/NDF: 2489324.9/21

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4060201.4/25

Out: 0.000+/-0.000 χ^2/NDF:4150234.0/30

All: 0.000+/-0.000 χ^2/NDF: 8211575.2/56



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

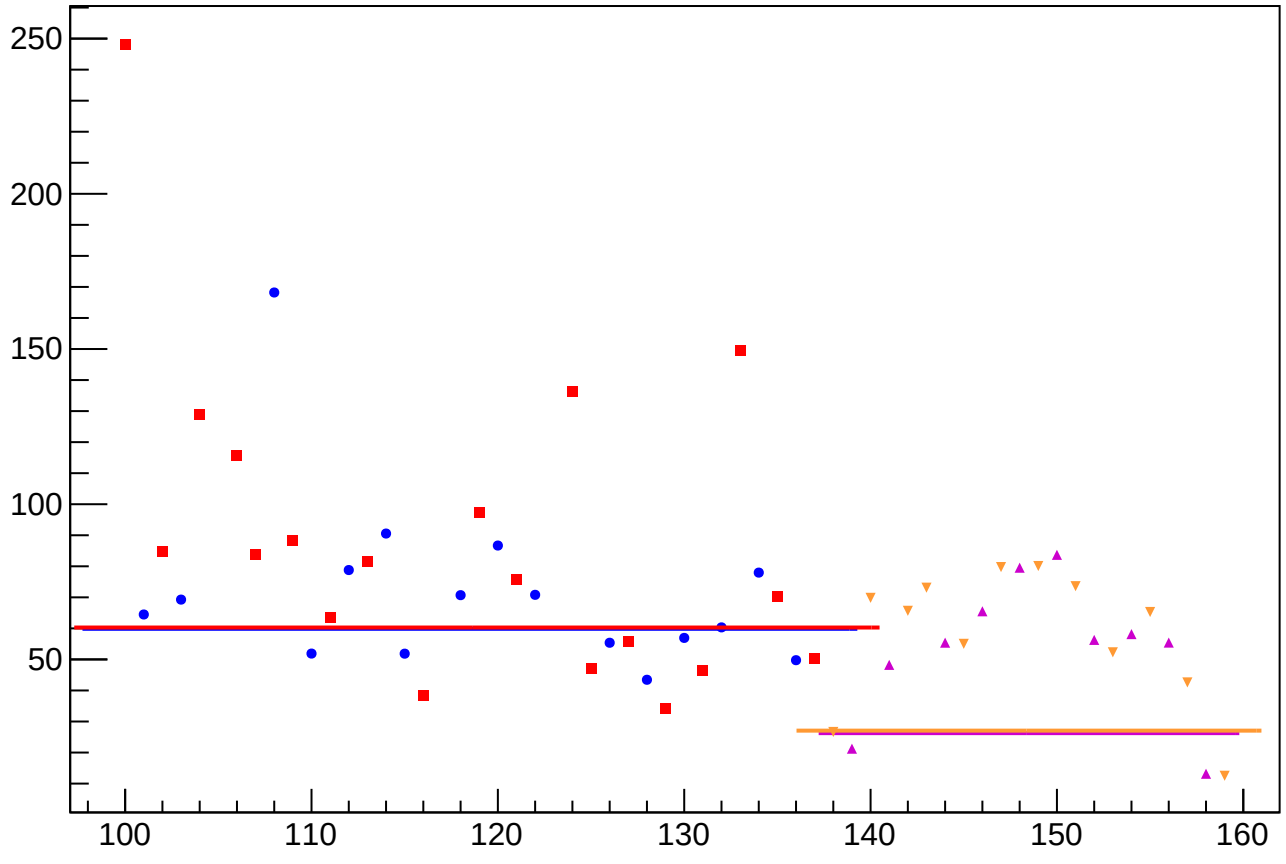
Left: 0.001+/-0.009 χ^2/NDF: 44.7/21

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.004+/-0.008 χ^2/NDF: 77.8/56



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.060+/-0.009 χ^2/NDF:6491547.5/11

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

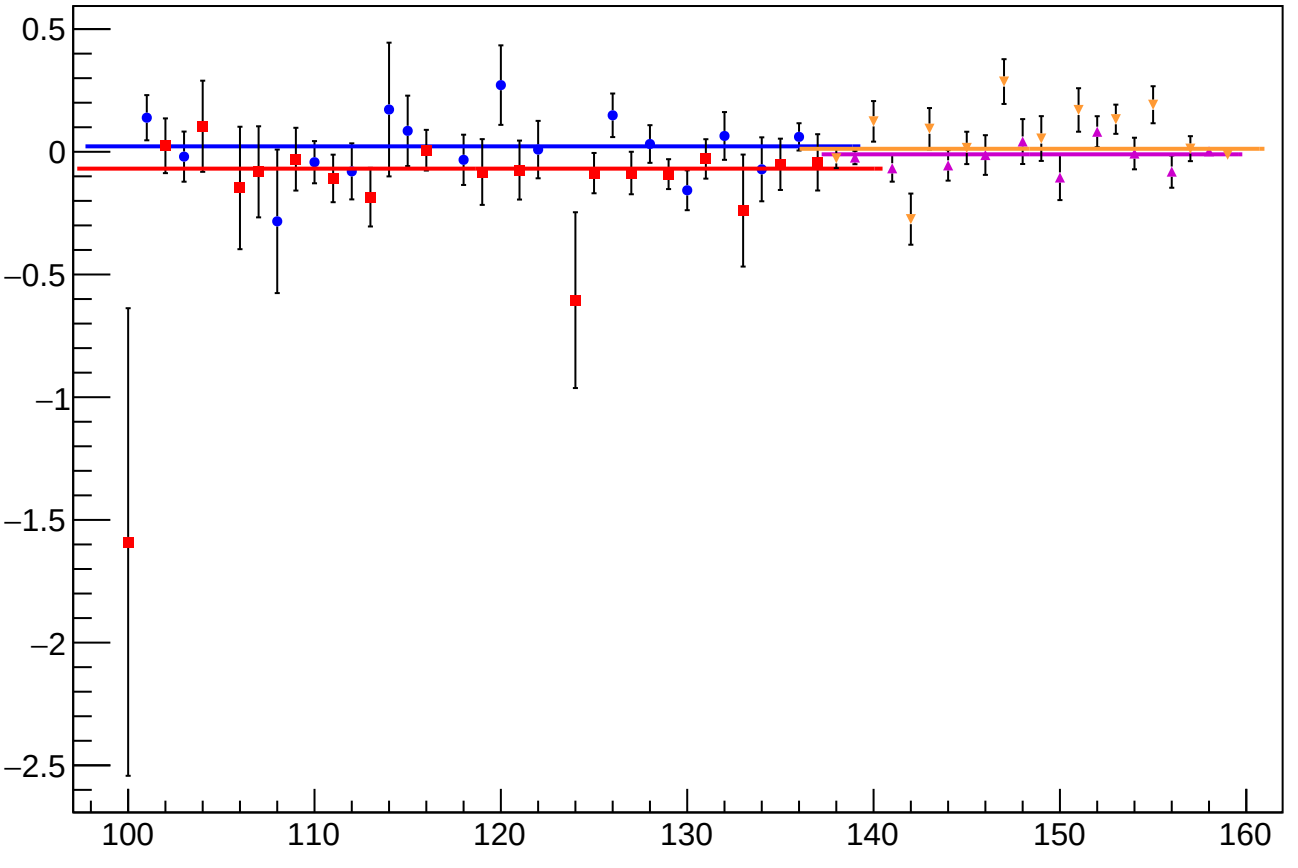
Left: 26.652+/-0.006 χ^2/NDF: 11883470.2/21

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 32.770+/-0.008 χ^2/NDF:9078435.4/25

Out: 33.394+/-0.008 χ^2/NDF:11263989.9/30

All: 33.077+/-0.005 χ^2/NDF: 20345671.3/56



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

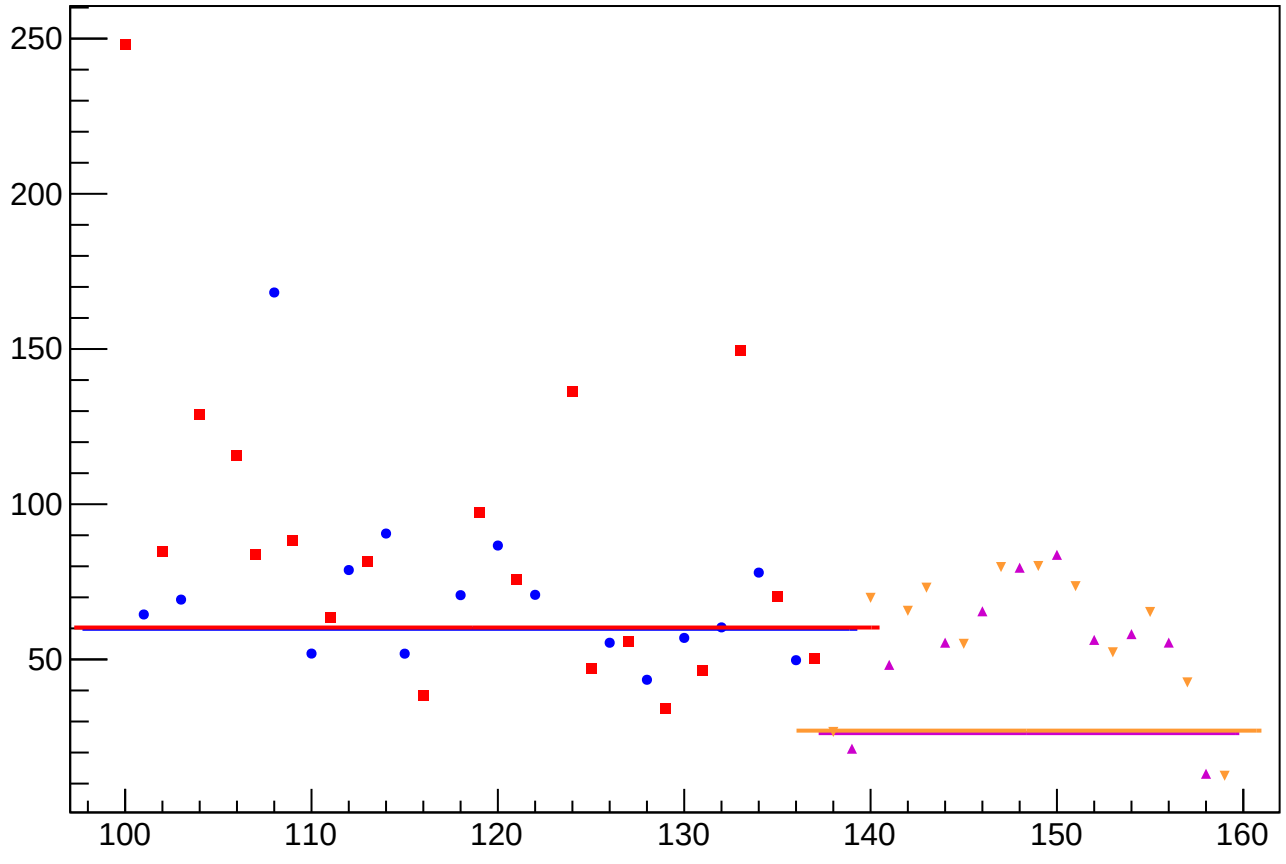
Left: 0.001+/-0.009 χ^2/NDF: 44.7/21

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.004+/-0.008 χ^2/NDF: 77.8/56



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.060+/-0.009 χ^2/NDF:6491547.5/11

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

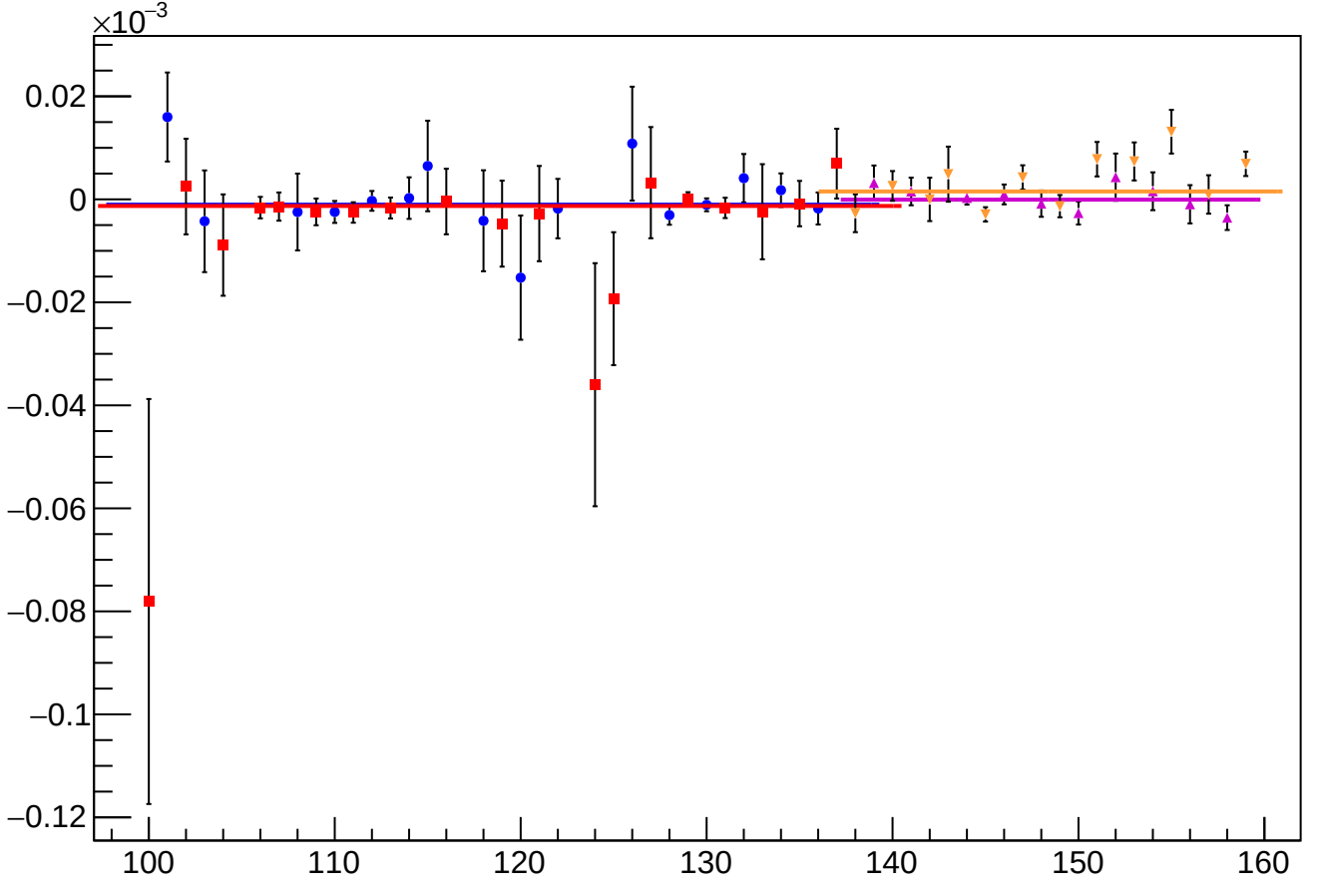
Left: 26.652+/-0.006 χ^2/NDF: 11883470.2/21

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 32.770+/-0.008 χ^2/NDF:9078435.4/25

Out: 33.394+/-0.008 χ^2/NDF:11263989.9/30

All: 33.077+/-0.005 χ^2/NDF: 20345671.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

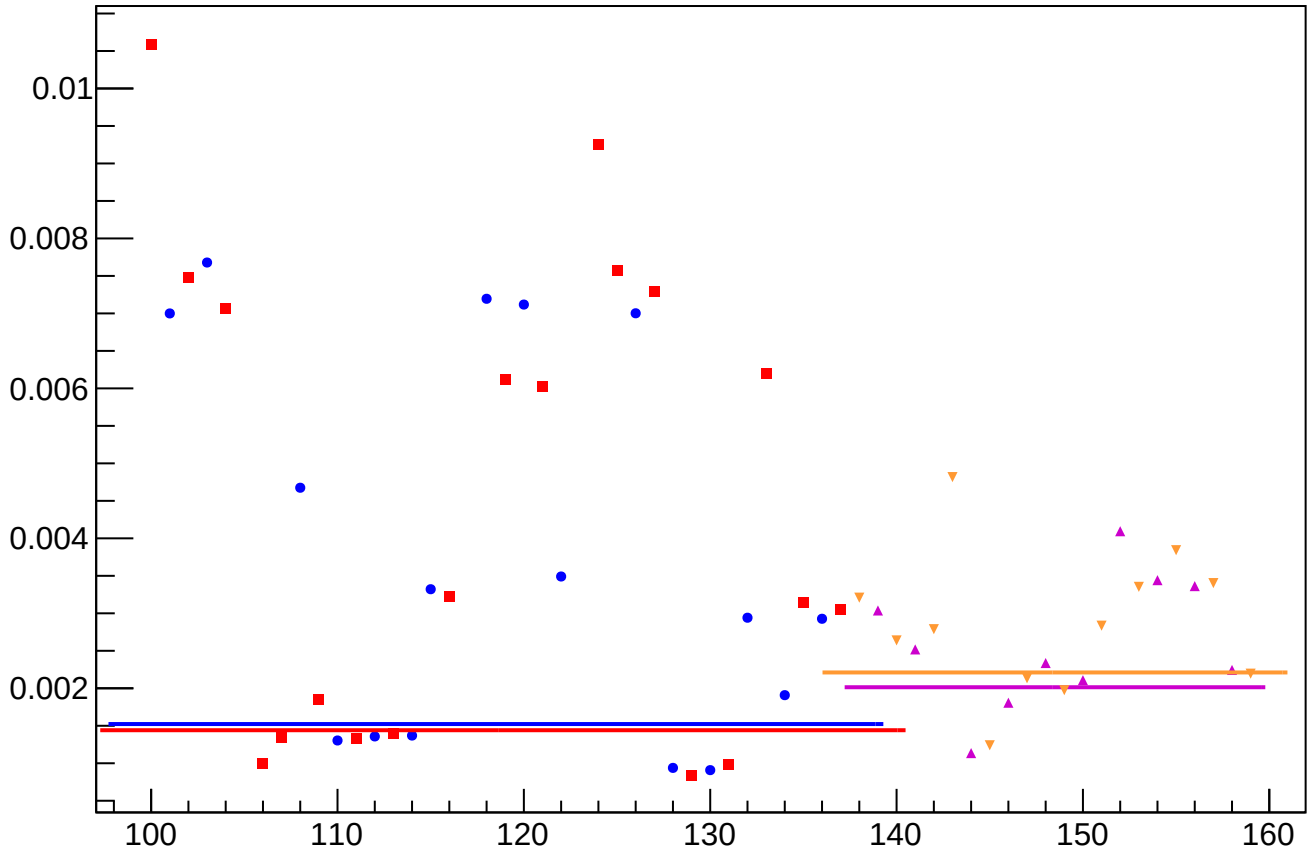
Left: 0.000+/-0.000 χ^2/NDF: 42.4/21

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.5/25

Out: -0.000+/-0.000 χ^2/NDF:53.6/30

All: -0.000+/-0.000 χ^2/NDF: 72.6/56



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2456584.3/11

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2212405.4/9

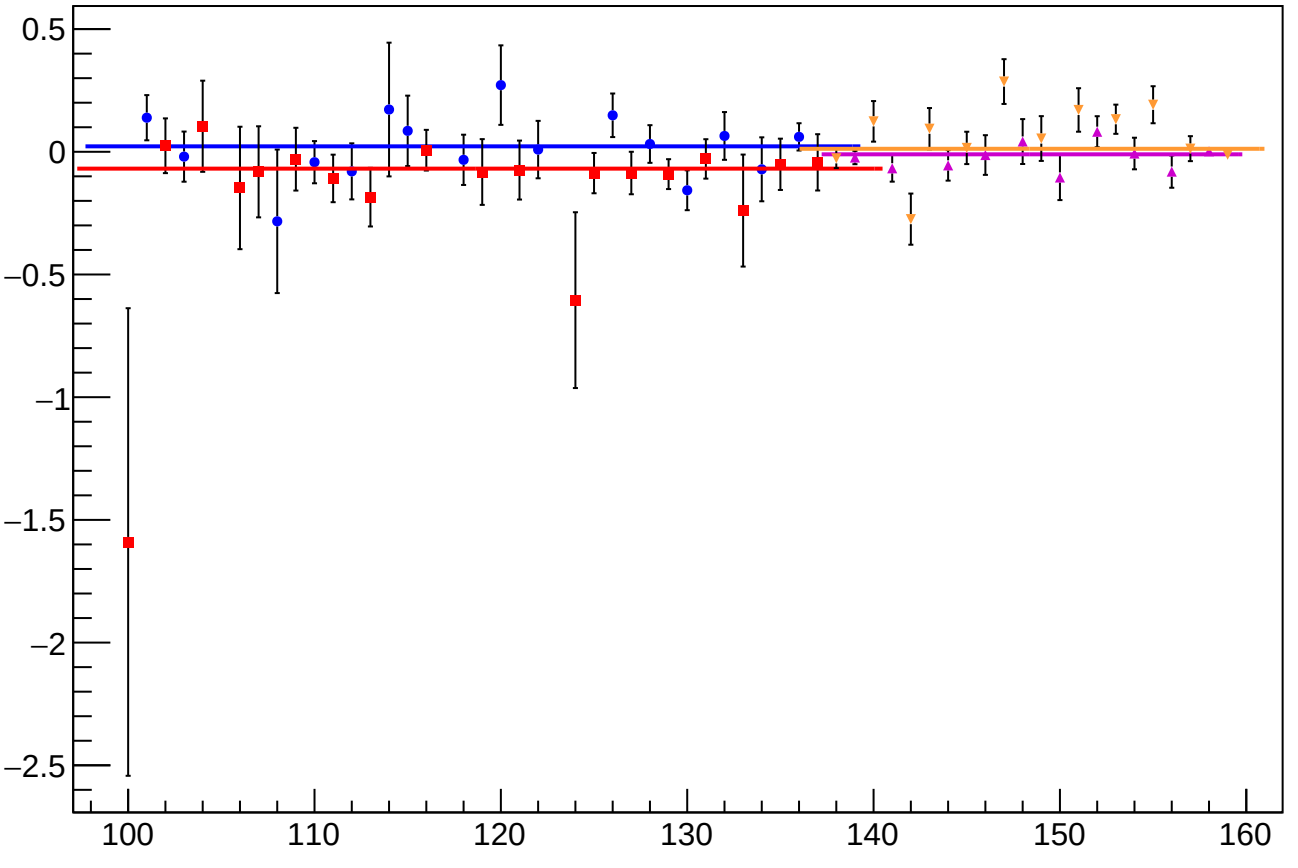
Left: 0.002+/-0.000 χ^2/NDF: 4736216.2/21

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:7833411.6/25

Out: 0.002+/-0.000 χ^2/NDF:9334477.1/30

All: 0.002+/-0.000 χ^2/NDF: 17169272.9/56



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

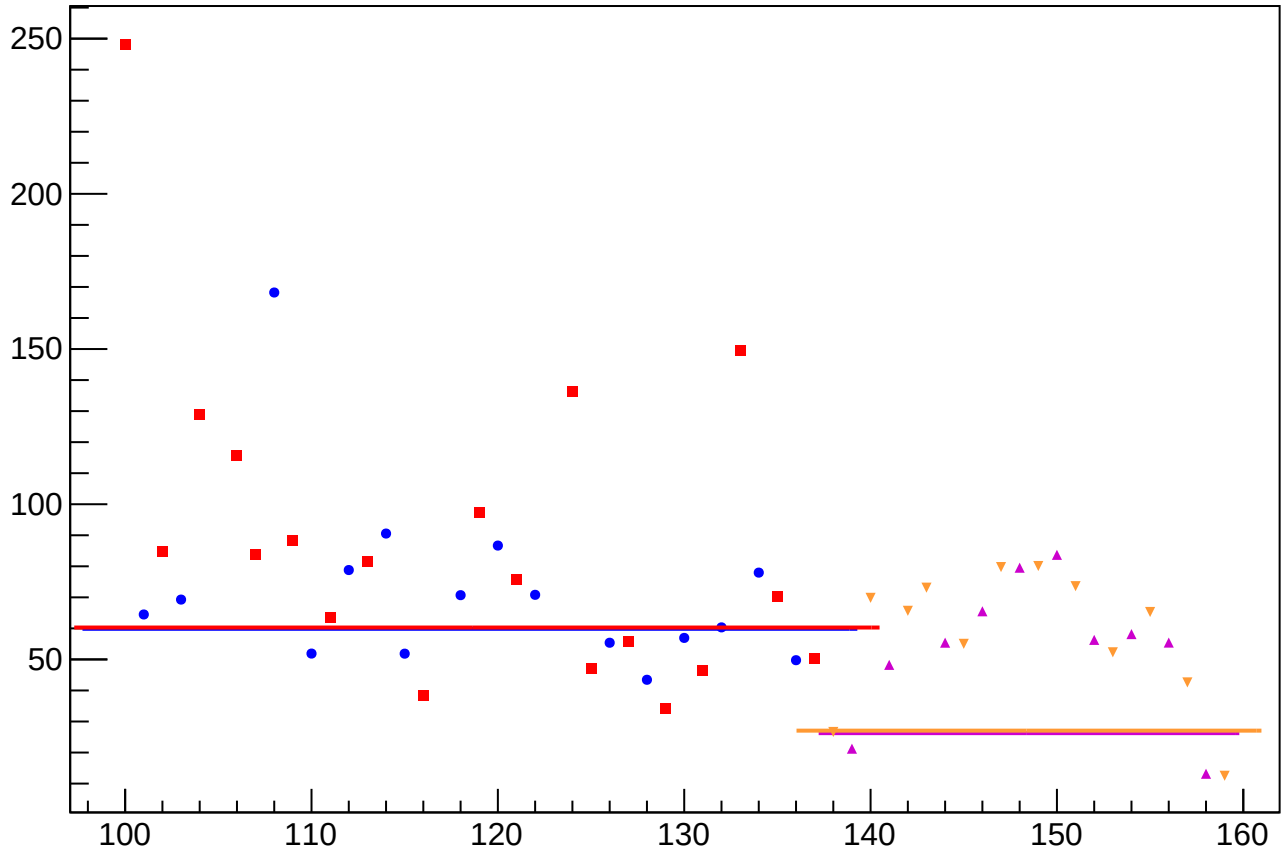
Left: 0.001+/-0.009 χ^2/NDF: 44.7/21

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.004+/-0.008 χ^2/NDF: 77.8/56



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.057+/-0.009 χ^2/NDF:6492488.9/11

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

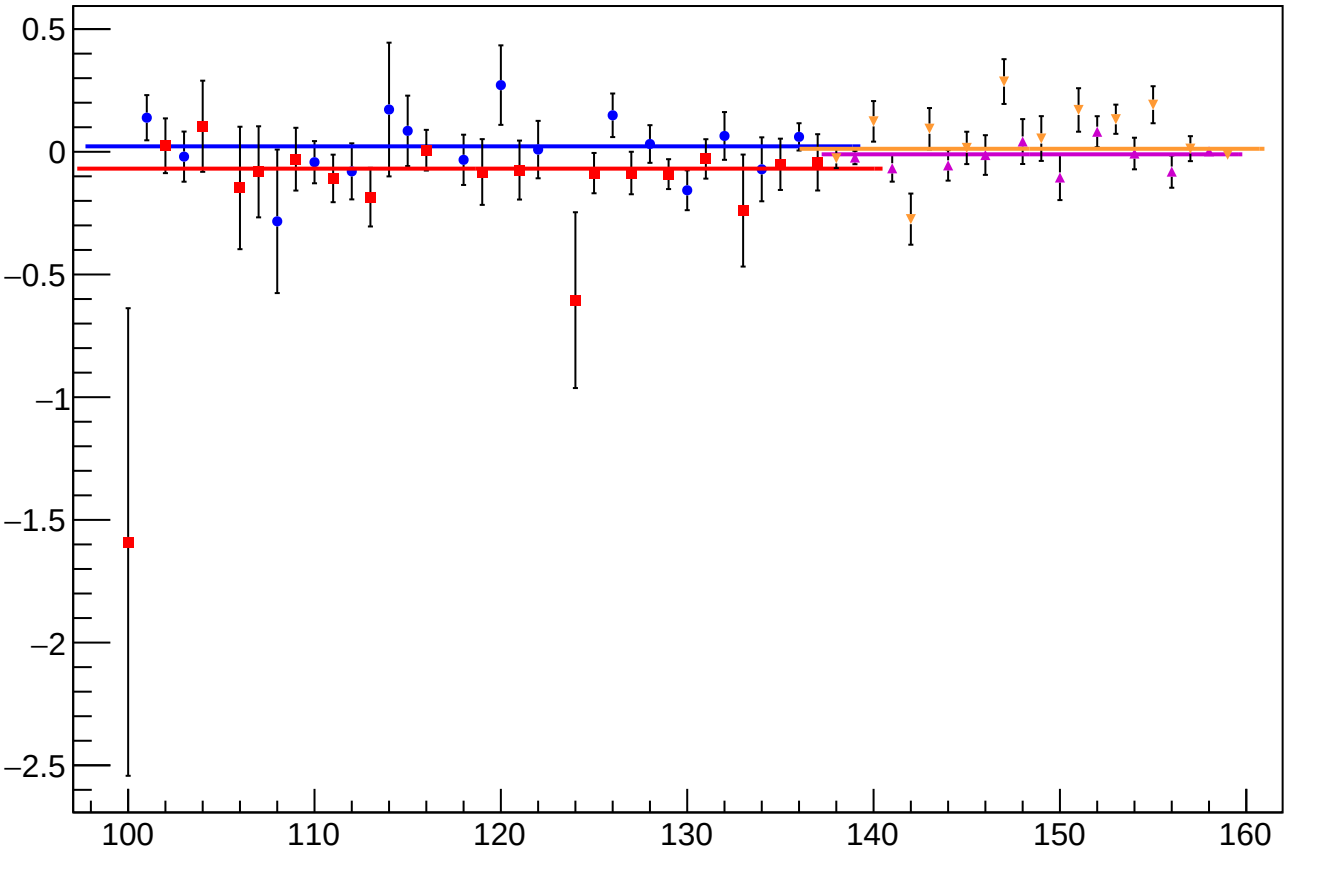
Left: 26.649+/-0.006 χ^2/NDF: 11885310.7/21

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 32.767+/-0.008 χ^2/NDF:9080061.5/25

Out: 33.392+/-0.008 χ^2/NDF:11265554.5/30

All: 33.074+/-0.005 χ^2/NDF: 20348865.7/56



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

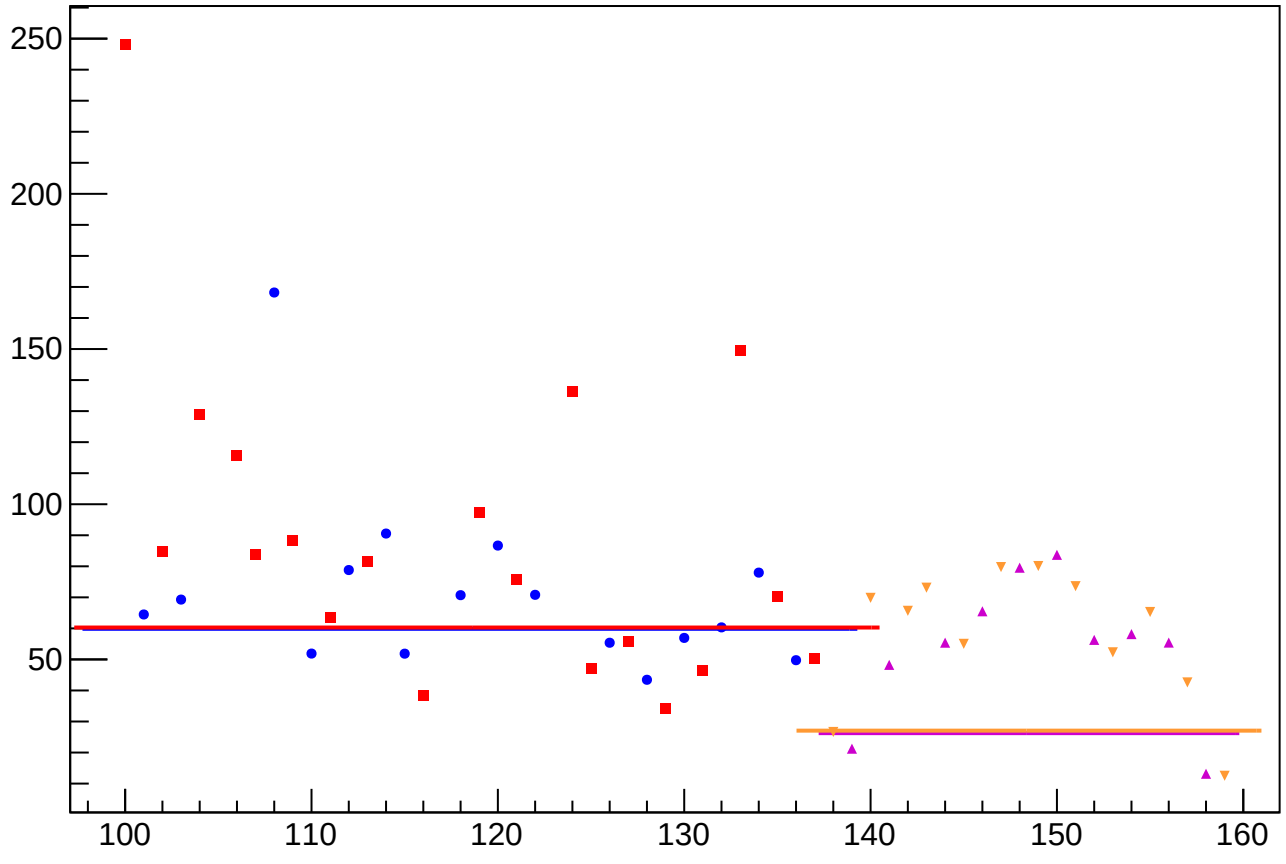
Left: 0.001+/-0.009 χ^2/NDF: 44.7/21

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.004+/-0.008 χ^2/NDF: 77.8/56



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.057+/-0.009 χ^2/NDF:6492488.9/11

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

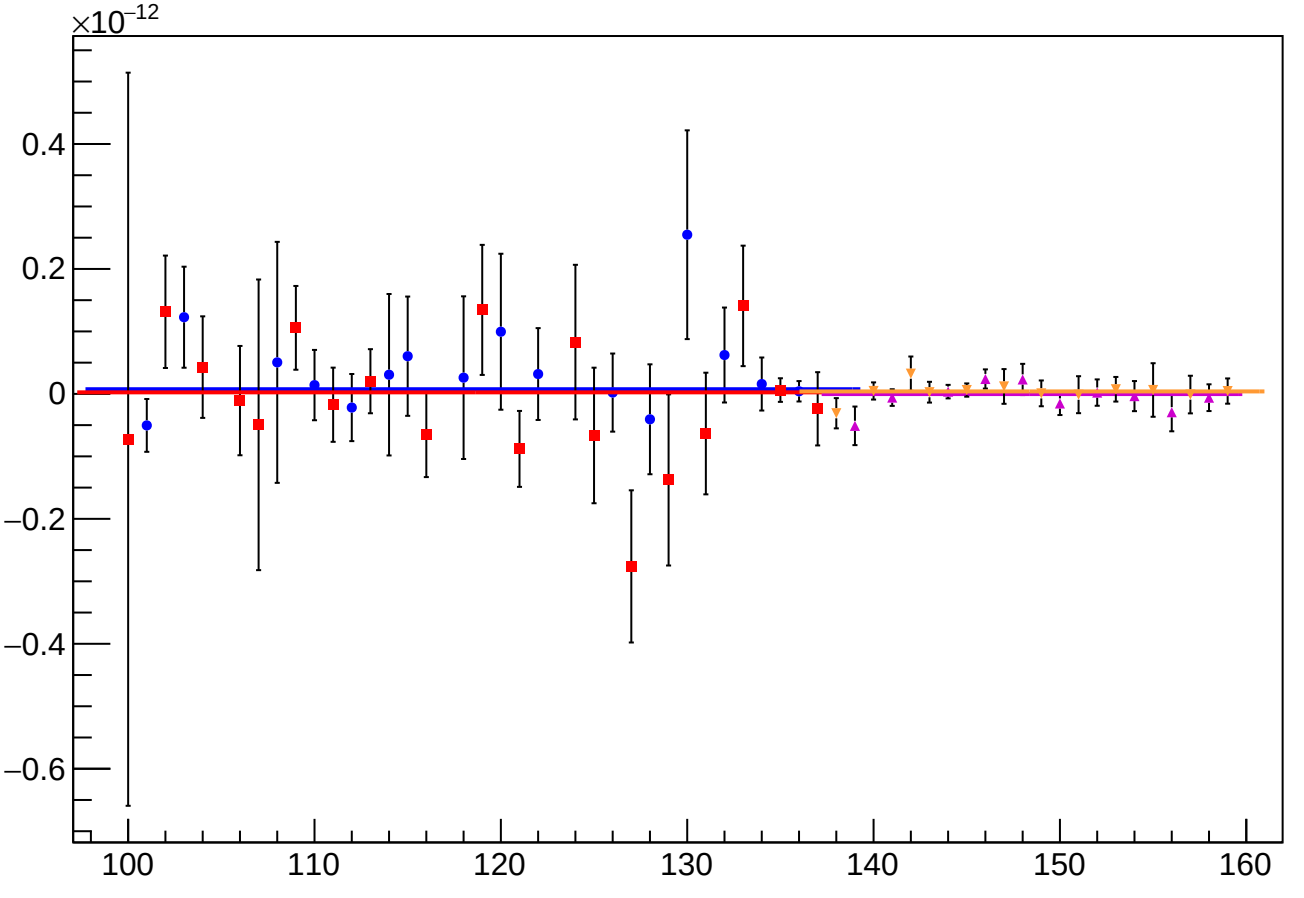
Left: 26.649+/-0.006 χ^2/NDF: 11885310.7/21

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 32.767+/-0.008 χ^2/NDF:9080061.5/25

Out: 33.392+/-0.008 χ^2/NDF:11265554.5/30

All: 33.074+/-0.005 χ^2/NDF: 20348865.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

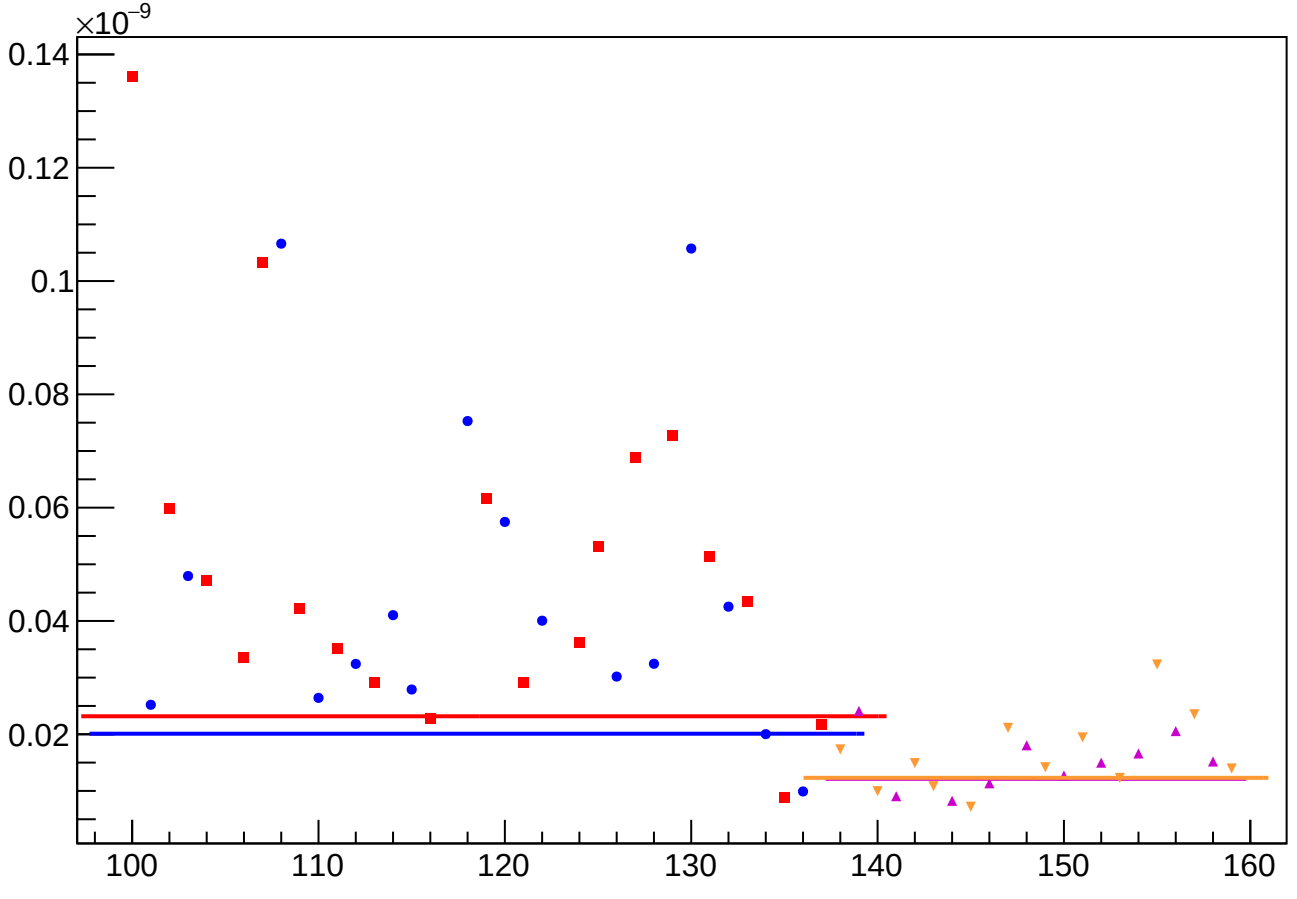
Left: 0.000+/-0.000 χ^2/NDF: 11.7/21

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:16.8/25

Out: 0.000+/-0.000 χ^2/NDF:23.1/30

All: 0.000+/-0.000 χ^2/NDF: 40.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1701883.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1081720.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2784611.6/21

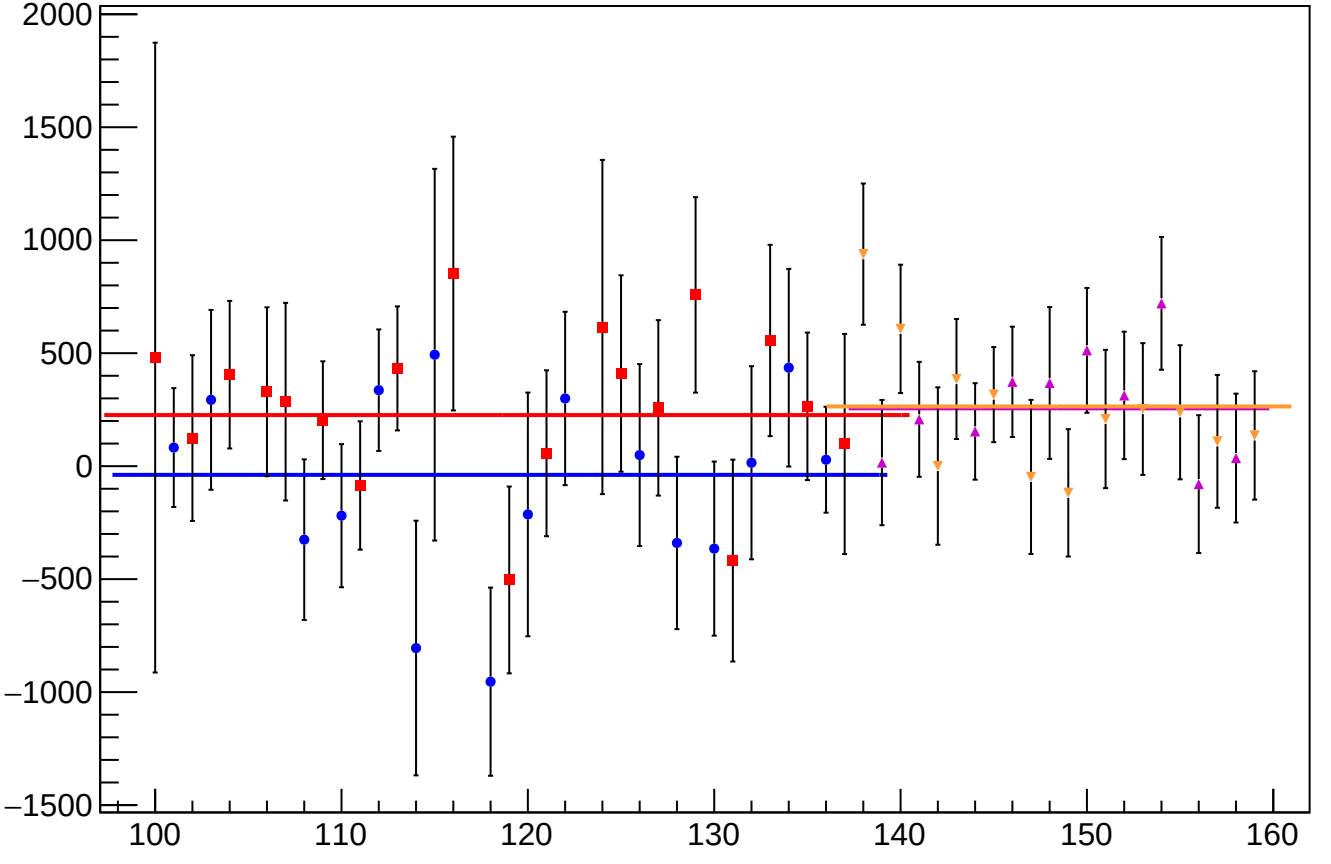
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4909813.3/25

Out: 0.000+/-0.000 χ^2/NDF:6336780.1/30

All: 0.000+/-0.000 χ^2/NDF: 11250731.6/56

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.218+/-82.594 χ^2/NDF:10.2/11

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 255.880+/-85.636 χ^2/NDF:6.6/9

Left: 260.200+/-59.449 χ^2/NDF: 16.7/21

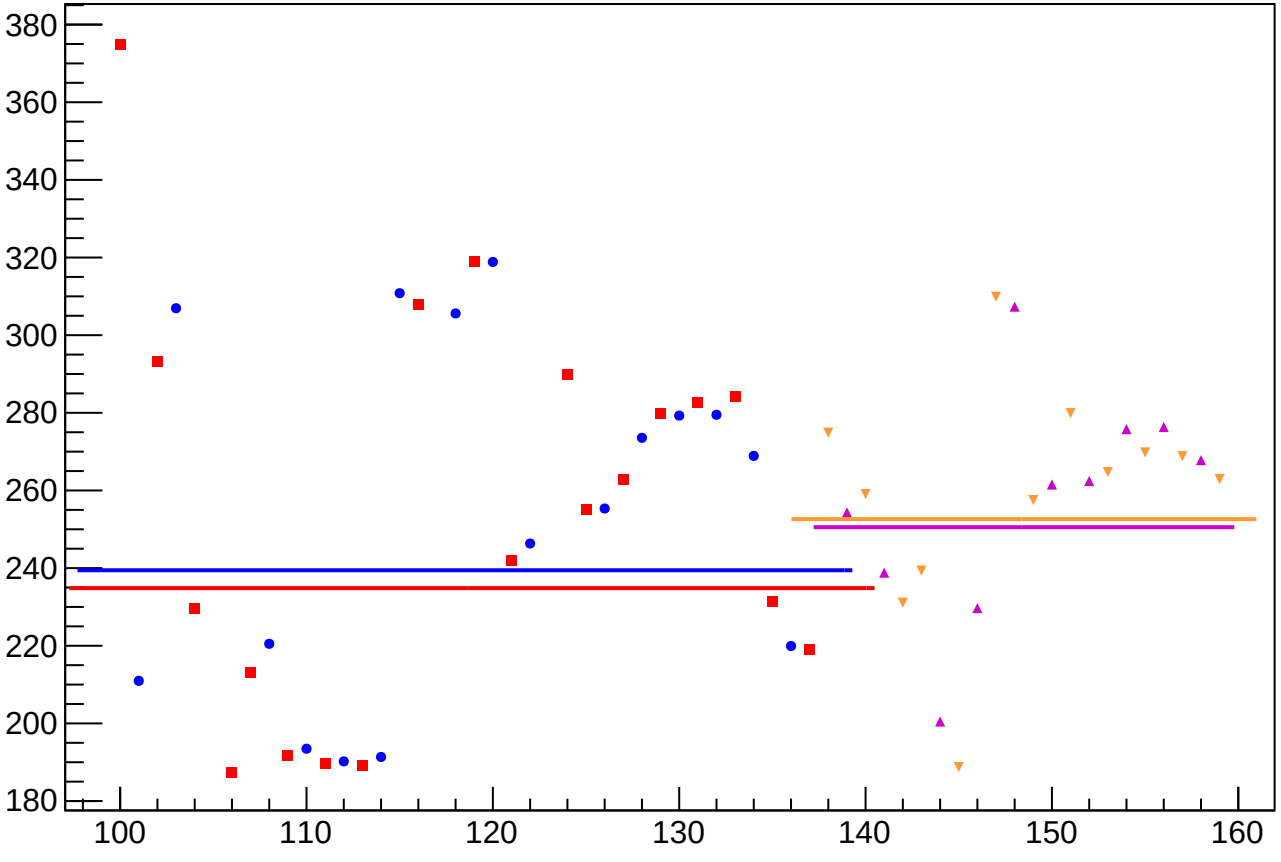
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 117.007+/-62.241 χ^2/NDF:26.6/25

Out: 246.378+/-60.194 χ^2/NDF:21.7/30

All: 183.854+/-43.269 χ^2/NDF: 50.5/56

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 252.616+/-0.058 χ^2/NDF:299841.1/11

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.5/9

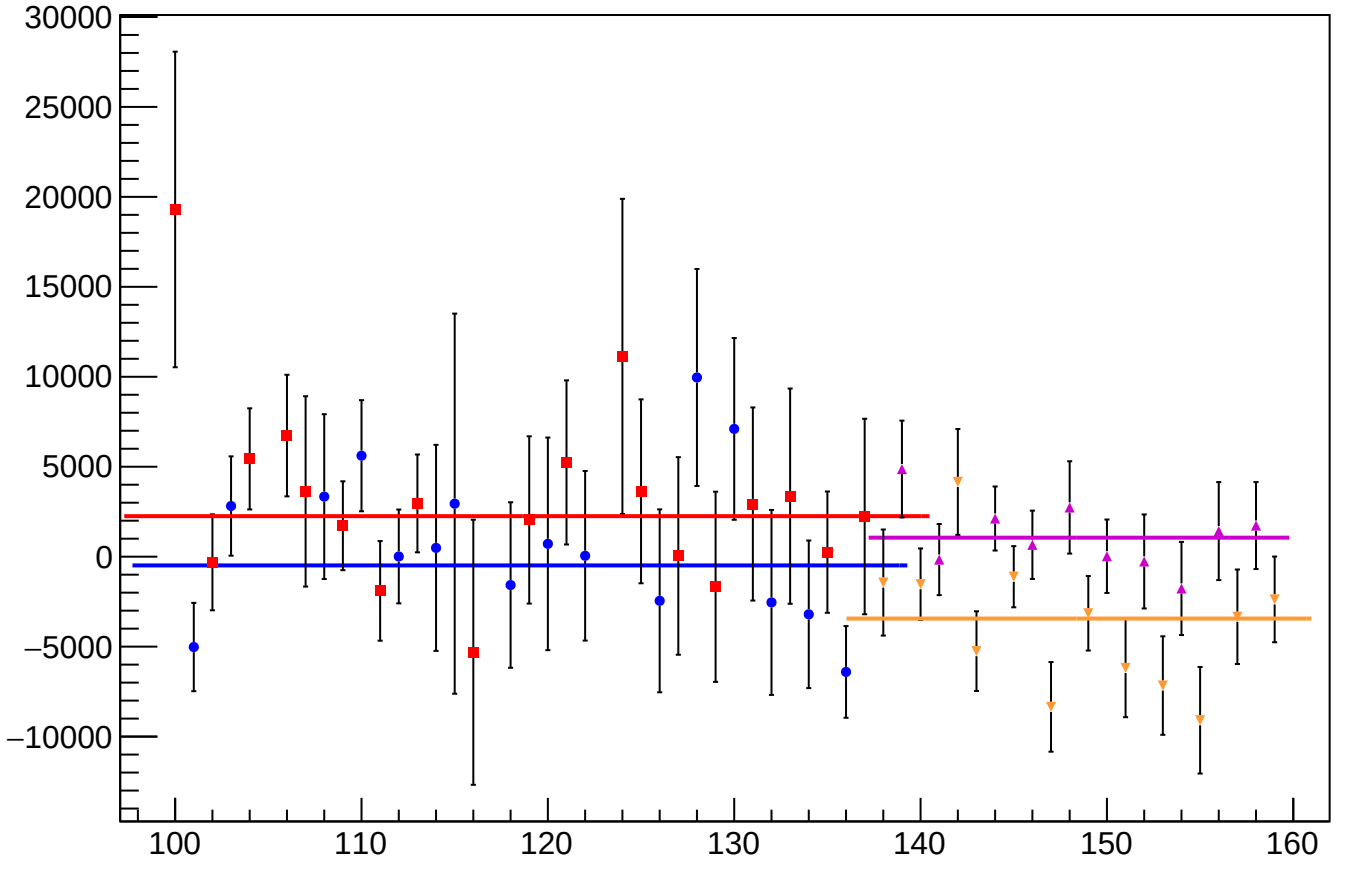
Left: 251.618+/-0.042 χ^2/NDF: 529928.3/21

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 245.310+/-0.044 χ^2/NDF:646274.4/25

Out: 244.288+/-0.043 χ^2/NDF:824922.9/30

All: 244.782+/-0.031 χ^2/NDF: 1471475.7/56



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3438.616+/-685.089 χ^2/NDF:21.2/11

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1056.096+/-710.586 χ^2/NDF:5.0/9

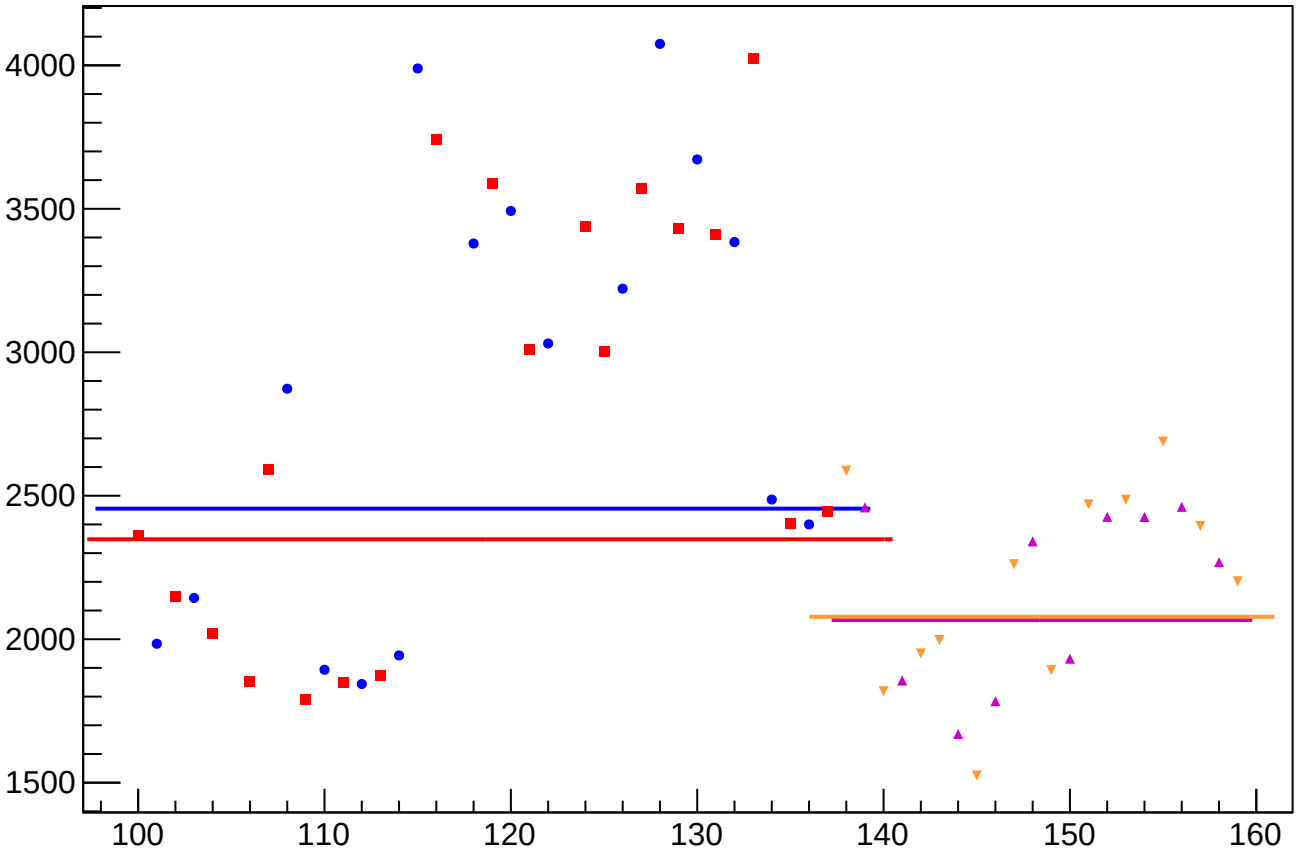
Left: -1273.346+/-493.199 χ^2/NDF: 46.9/21

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 500.973+/-568.471 χ^2/NDF:27.8/25

Out: -1333.763+/-543.821 χ^2/NDF:60.6/30

All: -457.036+/-392.965 χ^2/NDF: 93.9/56



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2078.233+/-0.484 χ^2/NDF:543691.0/11

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2066.802+/-0.502 χ^2/NDF:372976.2/9

Left: 2072.726+/-0.349 χ^2/NDF: 916935.4/21

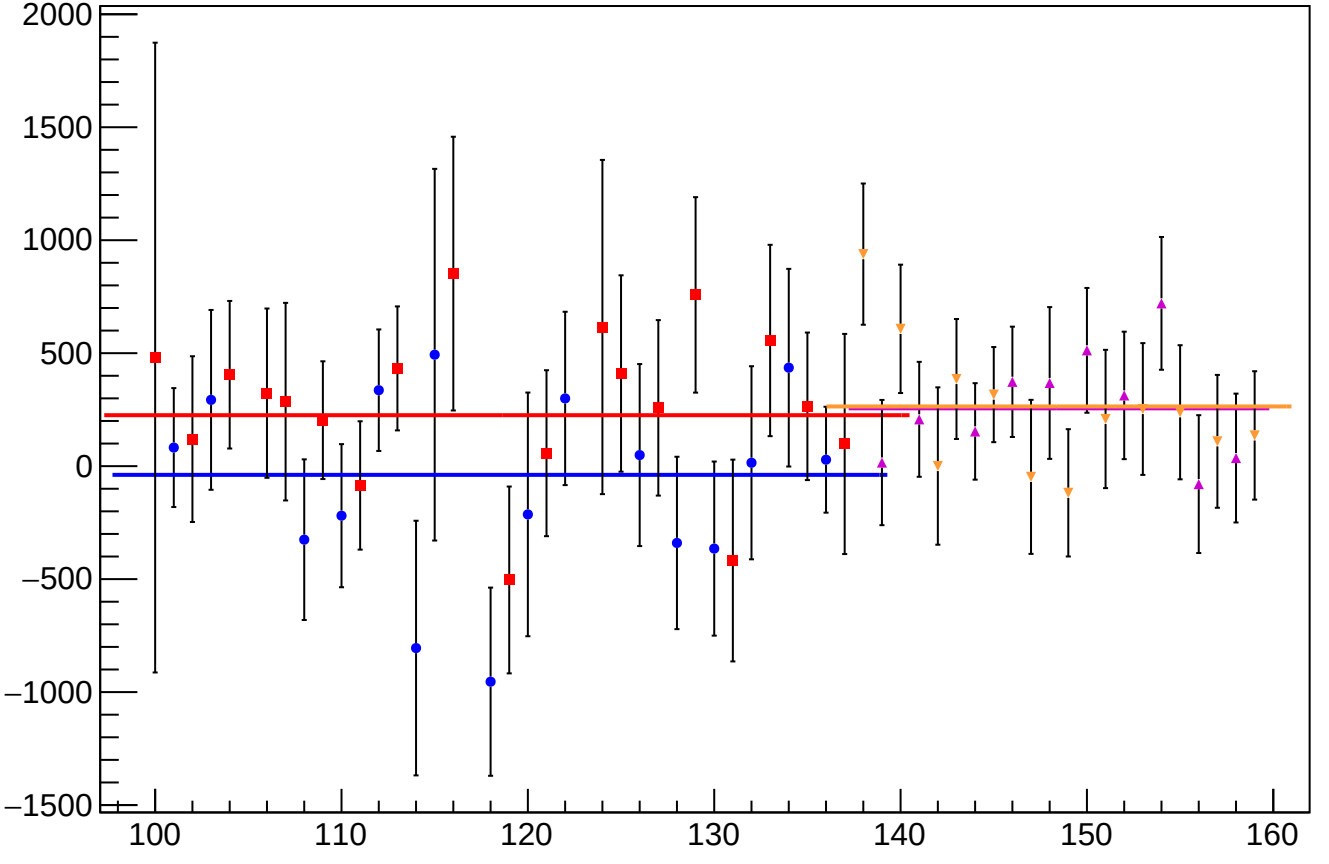
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2206.588+/-0.402 χ^2/NDF:1482361.4/25

Out: 2178.182+/-0.385 χ^2/NDF:1711197.7/30

All: 2191.756+/-0.278 χ^2/NDF: 3196166.7/56

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.222+/-82.594 χ^2/NDF:10.2/11

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 255.886+/-85.636 χ^2/NDF:6.6/9

Left: 260.204+/-59.449 χ^2/NDF: 16.7/21

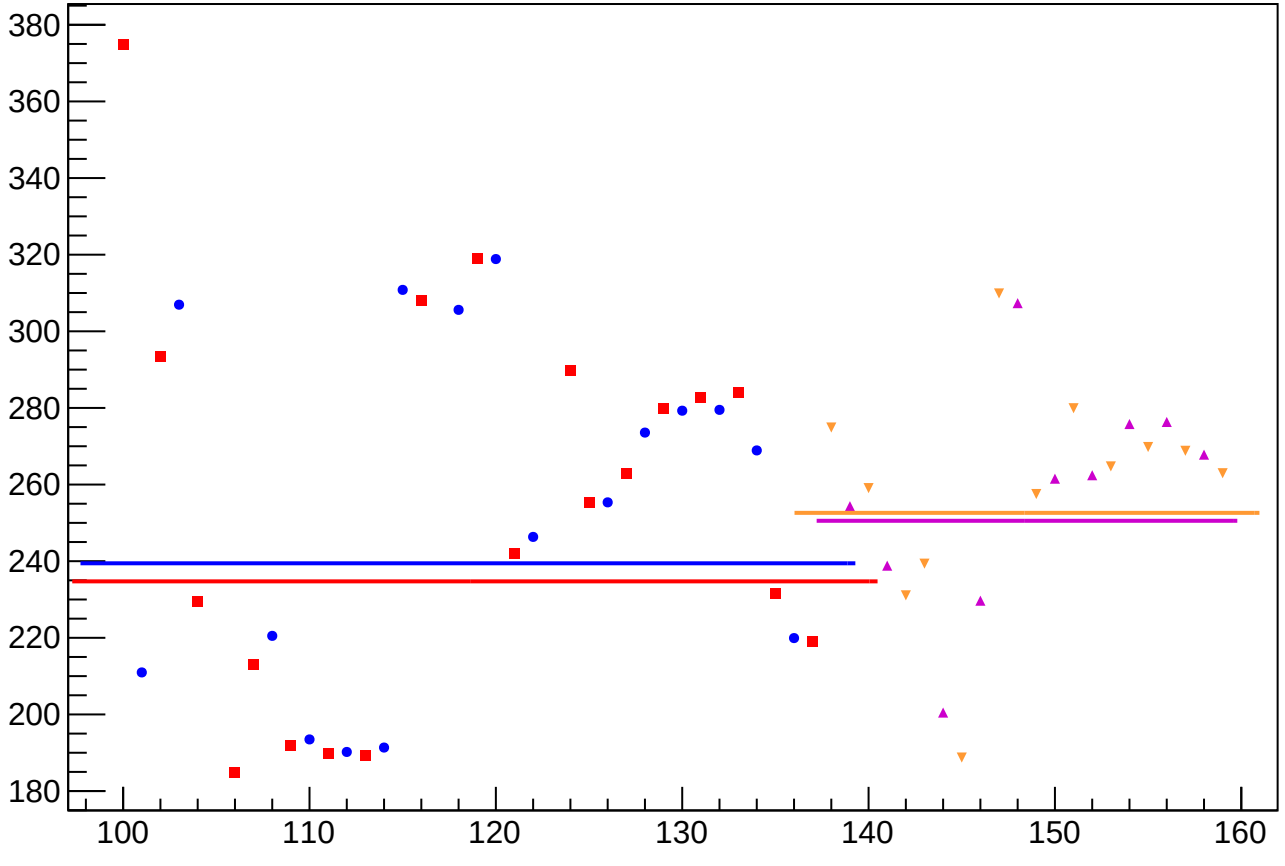
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 117.000+/-62.241 χ^2/NDF:26.6/25

Out: 246.076+/-60.198 χ^2/NDF:21.7/30

All: 183.691+/-43.271 χ^2/NDF: 50.5/56

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 252.616+/-0.058 χ^2/NDF:299841.1/11

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

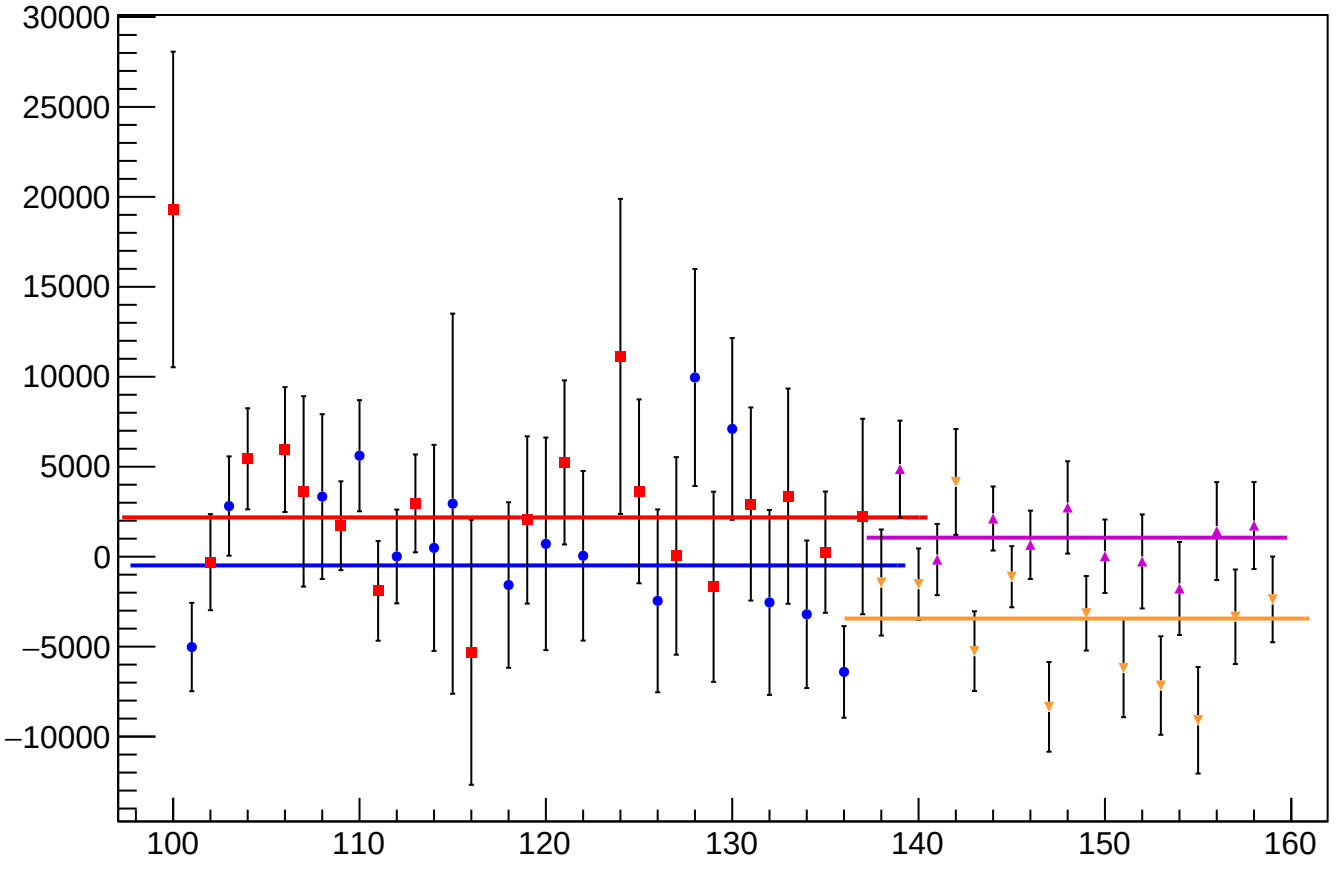
Left: 251.618+/-0.042 χ^2/NDF: 529928.3/21

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 245.310+/-0.044 χ^2/NDF:646276.7/25

Out: 244.233+/-0.043 χ^2/NDF:829035.1/30

All: 244.753+/-0.031 χ^2/NDF: 1475621.3/56



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3438.612+/-685.089 χ^2/NDF:21.2/11

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1056.112+/-710.586 χ^2/NDF:5.0/9

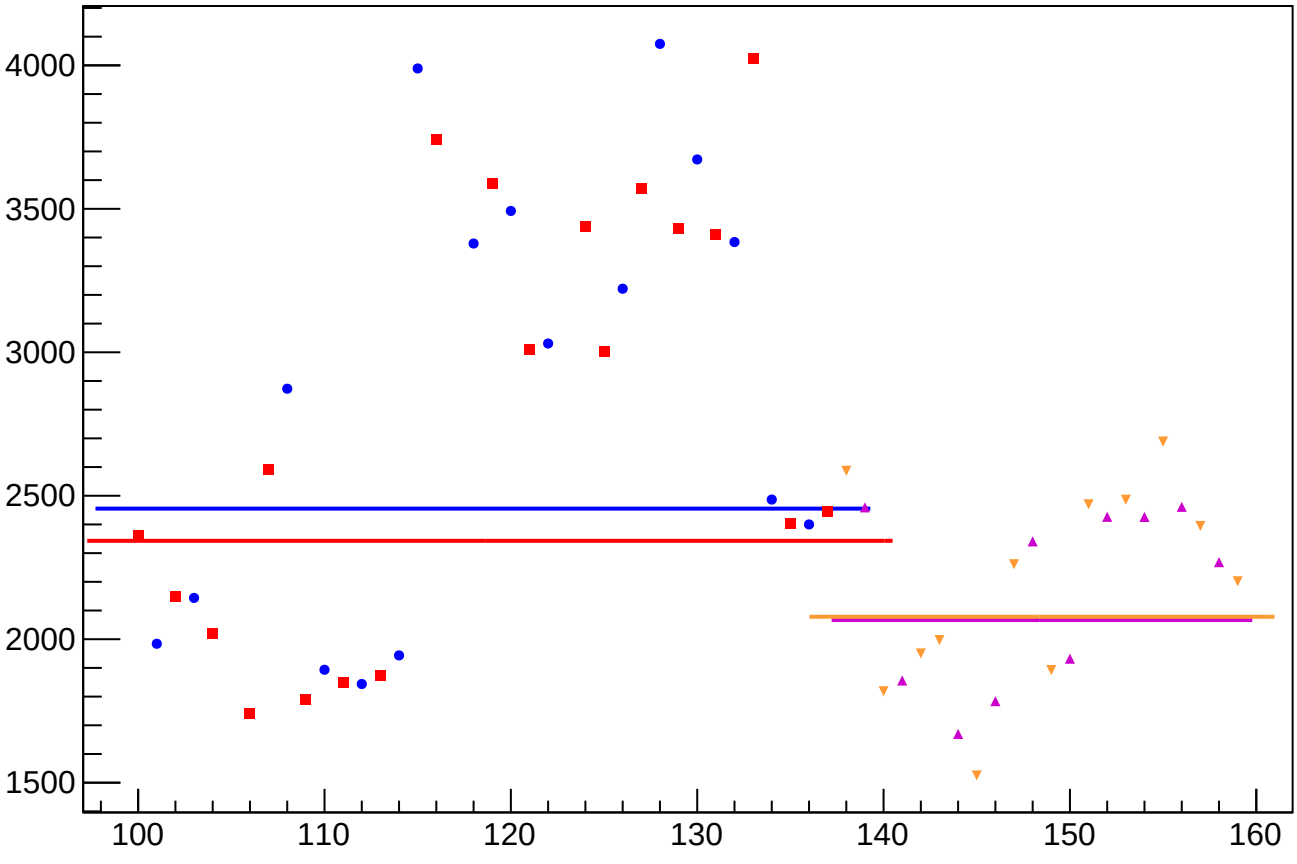
Left: -1273.337+/-493.199 χ^2/NDF: 46.9/21

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 500.929+/-568.473 χ^2/NDF:27.8/25

Out: -1363.518+/-544.201 χ^2/NDF:59.3/30

All: -471.948+/-393.109 χ^2/NDF: 92.8/56



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2078.233+/-0.484 χ^2/NDF:543693.5/11

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

Left: 2072.727+/-0.349 χ^2/NDF: 916935.5/21

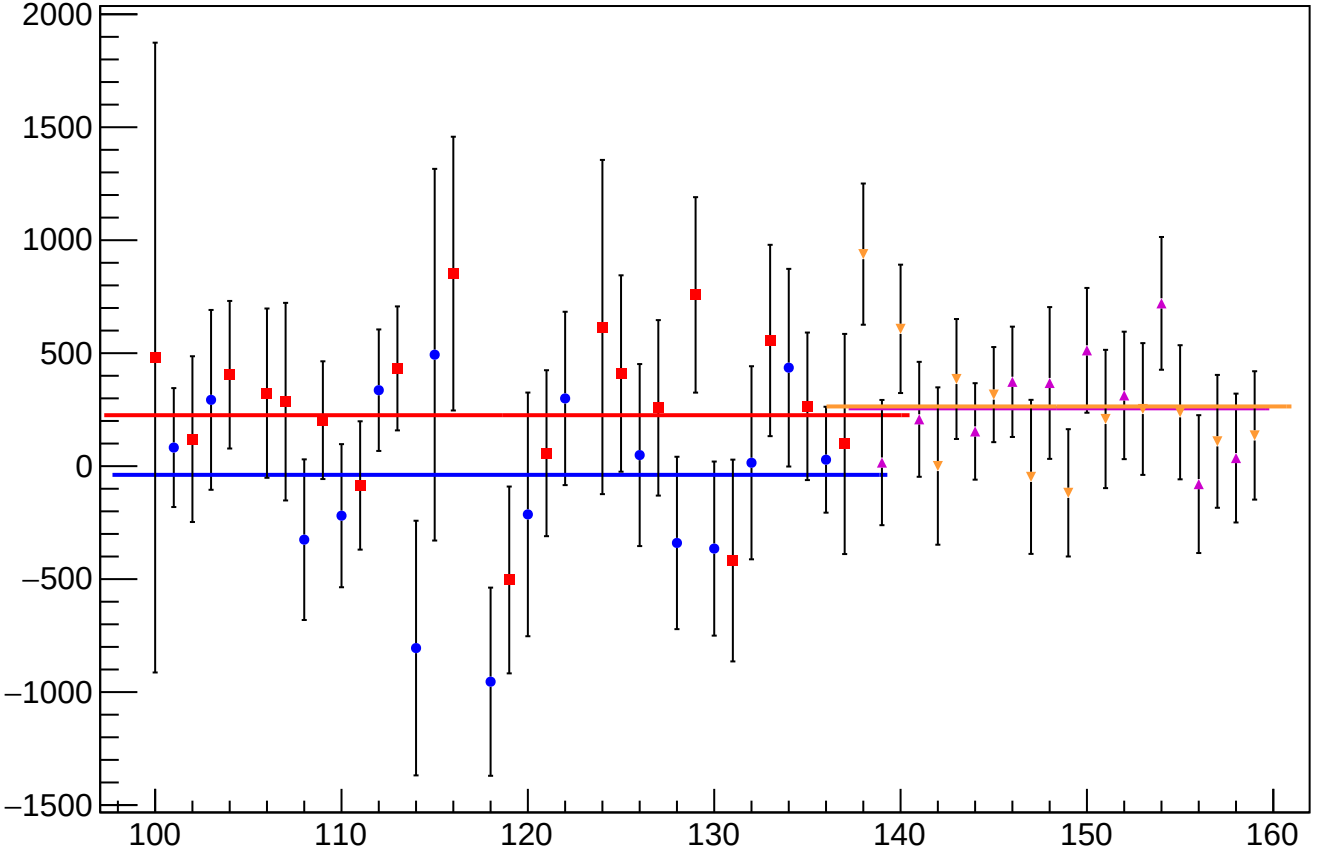
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2206.596+/-0.402 χ^2/NDF:1482351.3/25

Out: 2175.917+/-0.385 χ^2/NDF:1724274.1/30

All: 2190.588+/-0.278 χ^2/NDF: 3209664.9/56

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.222+/-82.594 χ^2/NDF:10.2/11

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 255.886+/-85.636 χ^2/NDF:6.6/9

Left: 260.204+/-59.449 χ^2/NDF: 16.7/21

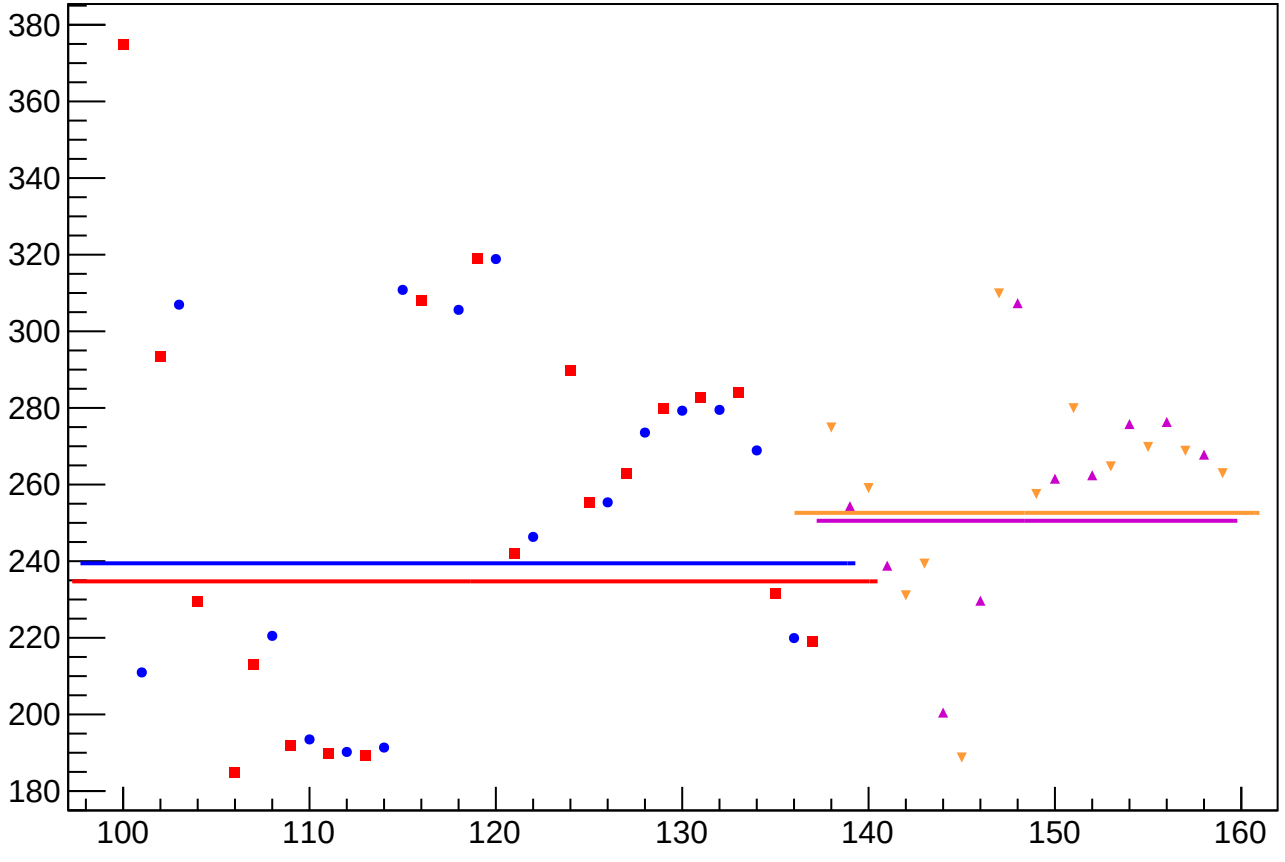
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 117.000+/-62.241 χ^2/NDF:26.6/25

Out: 246.076+/-60.198 χ^2/NDF:21.7/30

All: 183.691+/-43.271 χ^2/NDF: 50.5/56

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 252.616+/-0.058 χ^2/NDF:299841.1/11

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

Left: 251.618+/-0.042 χ^2/NDF: 529928.3/21

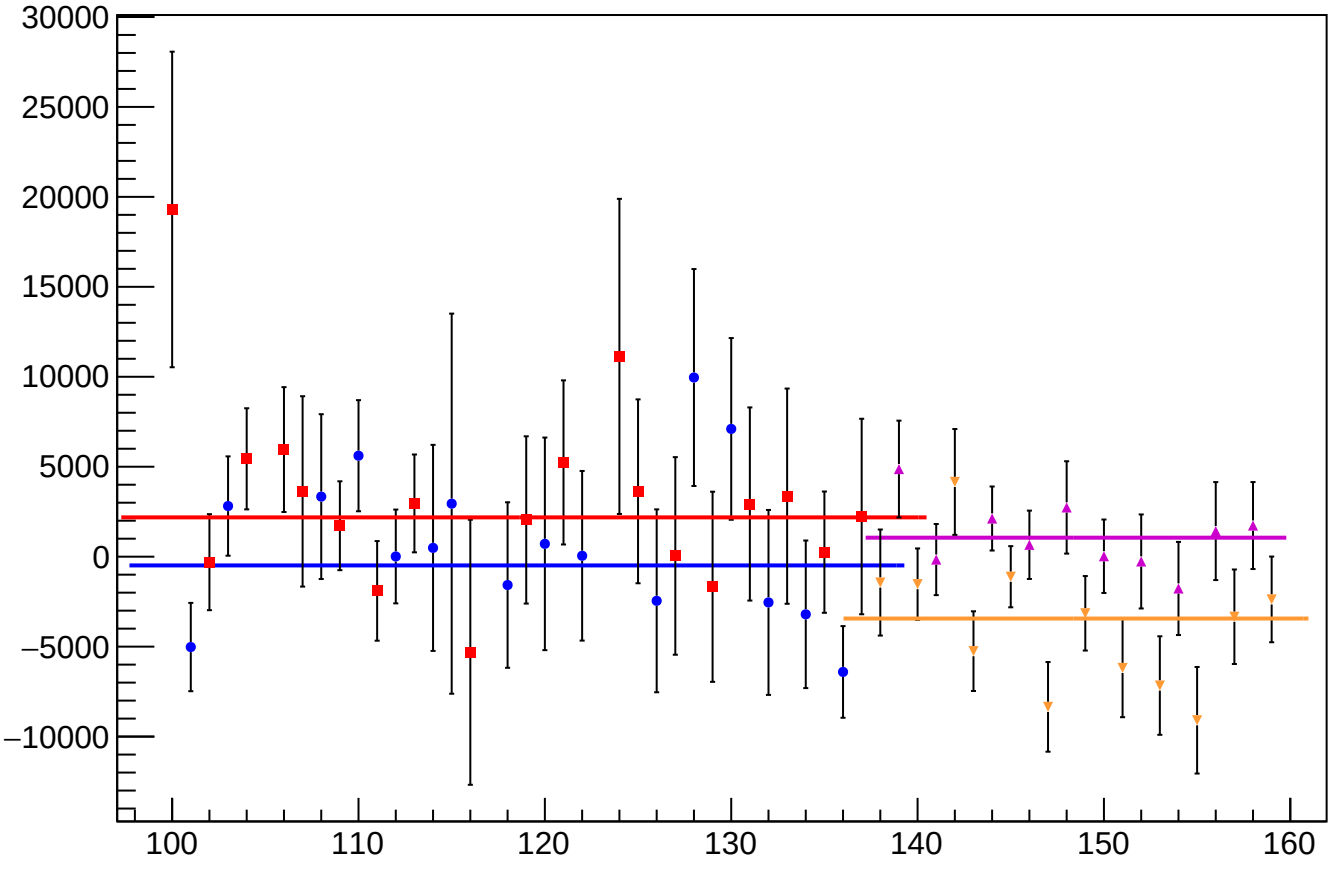
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 245.310+/-0.044 χ^2/NDF:646276.7/25

Out: 244.233+/-0.043 χ^2/NDF:829035.1/30

All: 244.753+/-0.031 χ^2/NDF: 1475621.3/56

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3438.612+/-685.089 χ^2/NDF:21.2/11

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1056.112+/-710.586 χ^2/NDF:5.0/9

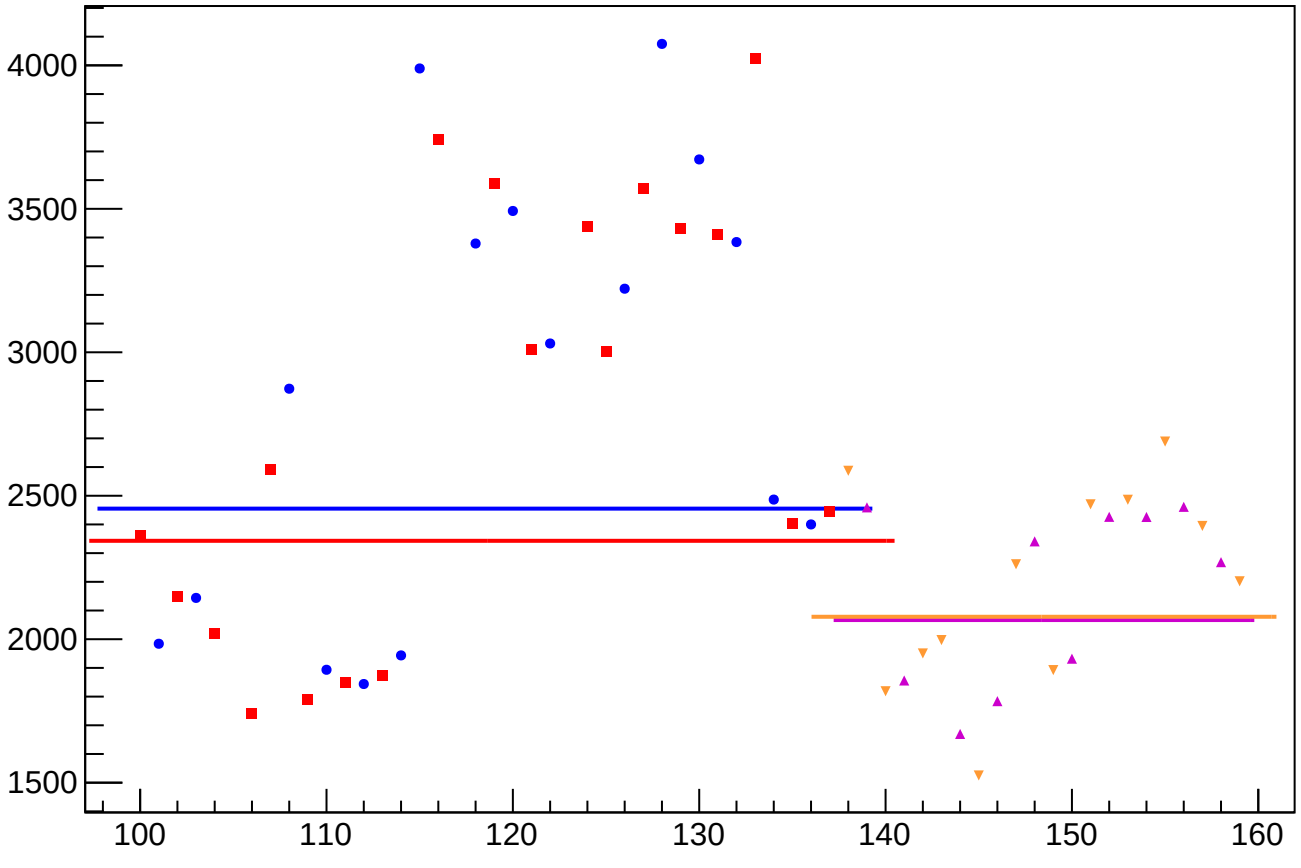
Left: -1273.337+/-493.199 χ^2/NDF: 46.9/21

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 500.929+/-568.473 χ^2/NDF:27.8/25

Out: -1363.518+/-544.201 χ^2/NDF:59.3/30

All: -471.948+/-393.109 χ^2/NDF: 92.8/56



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2078.233+/-0.484 χ^2/NDF:543693.5/11

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

Left: 2072.727+/-0.349 χ^2/NDF: 916935.5/21

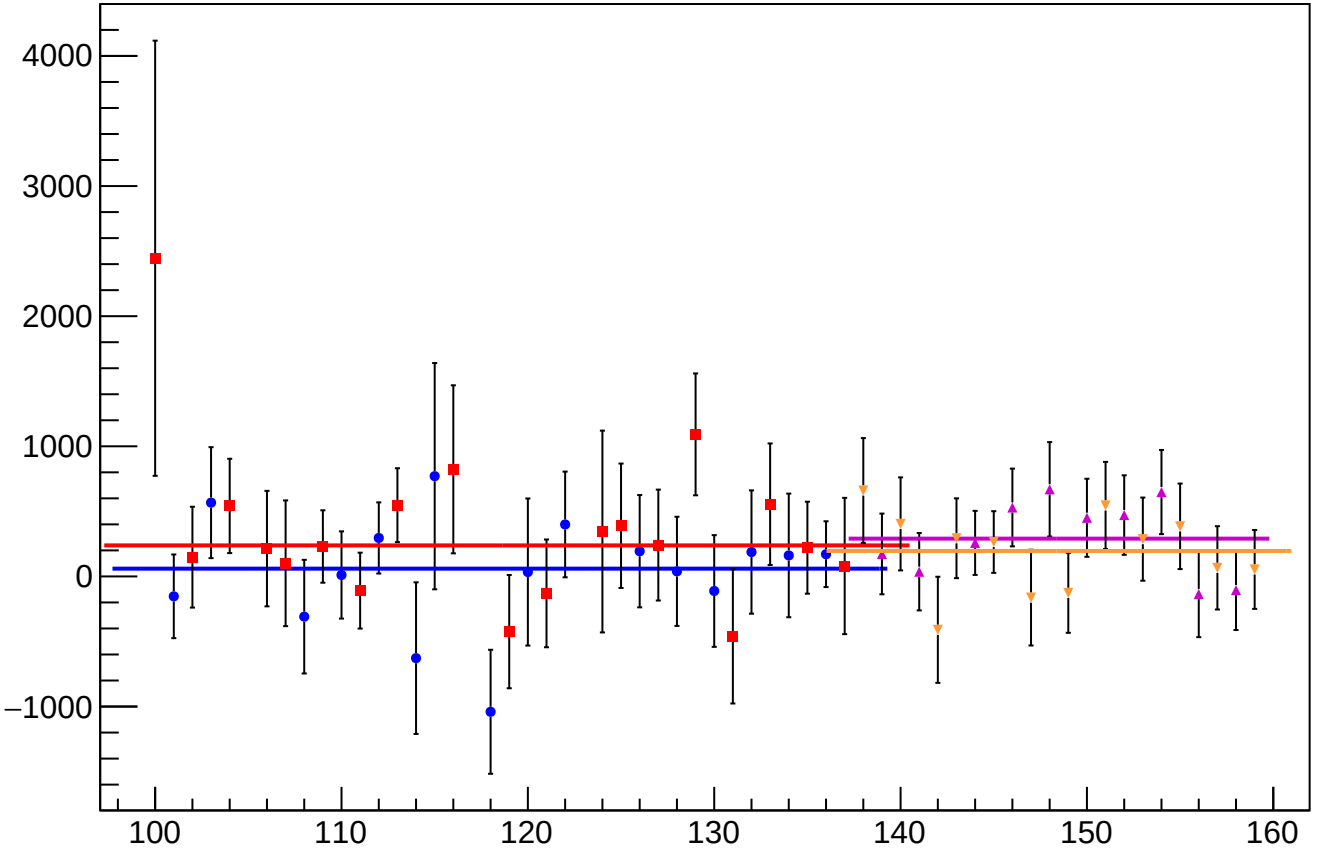
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2206.596+/-0.402 χ^2/NDF:1482351.3/25

Out: 2175.917+/-0.385 χ^2/NDF:1724274.1/30

All: 2190.588+/-0.278 χ^2/NDF: 3209664.9/56

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 195.690+/-93.209 χ^2/NDF:8.0/11

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 290.426+/-96.180 χ^2/NDF:7.8/9

Left: 241.572+/-66.935 χ^2/NDF: 16.3/21

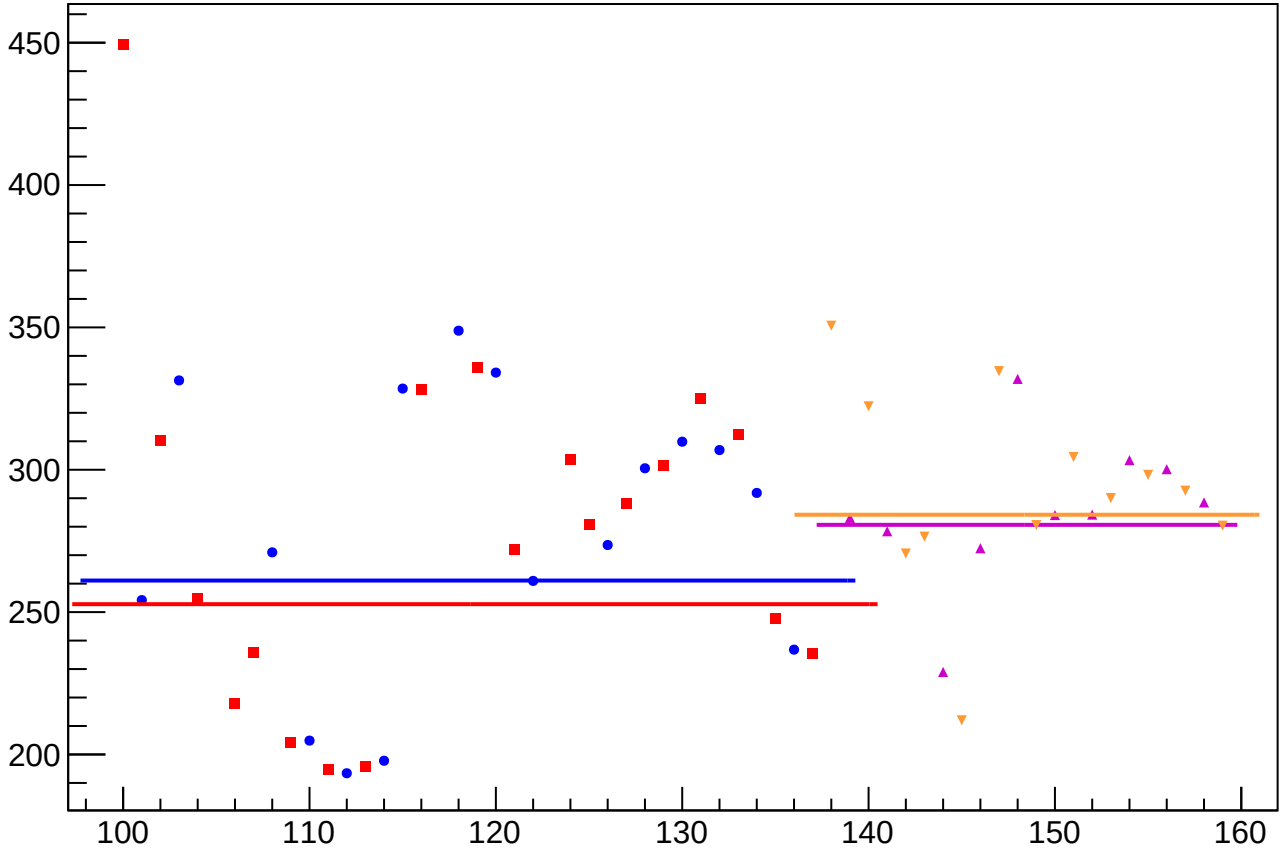
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 178.676+/-69.063 χ^2/NDF:22.6/25

Out: 216.682+/-66.554 χ^2/NDF:23.1/30

All: 198.381+/-47.923 χ^2/NDF: 45.8/56

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 284.204+/-0.066 χ^2/NDF:317379.5/11

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 280.649+/-0.068 χ^2/NDF:148487.0/9

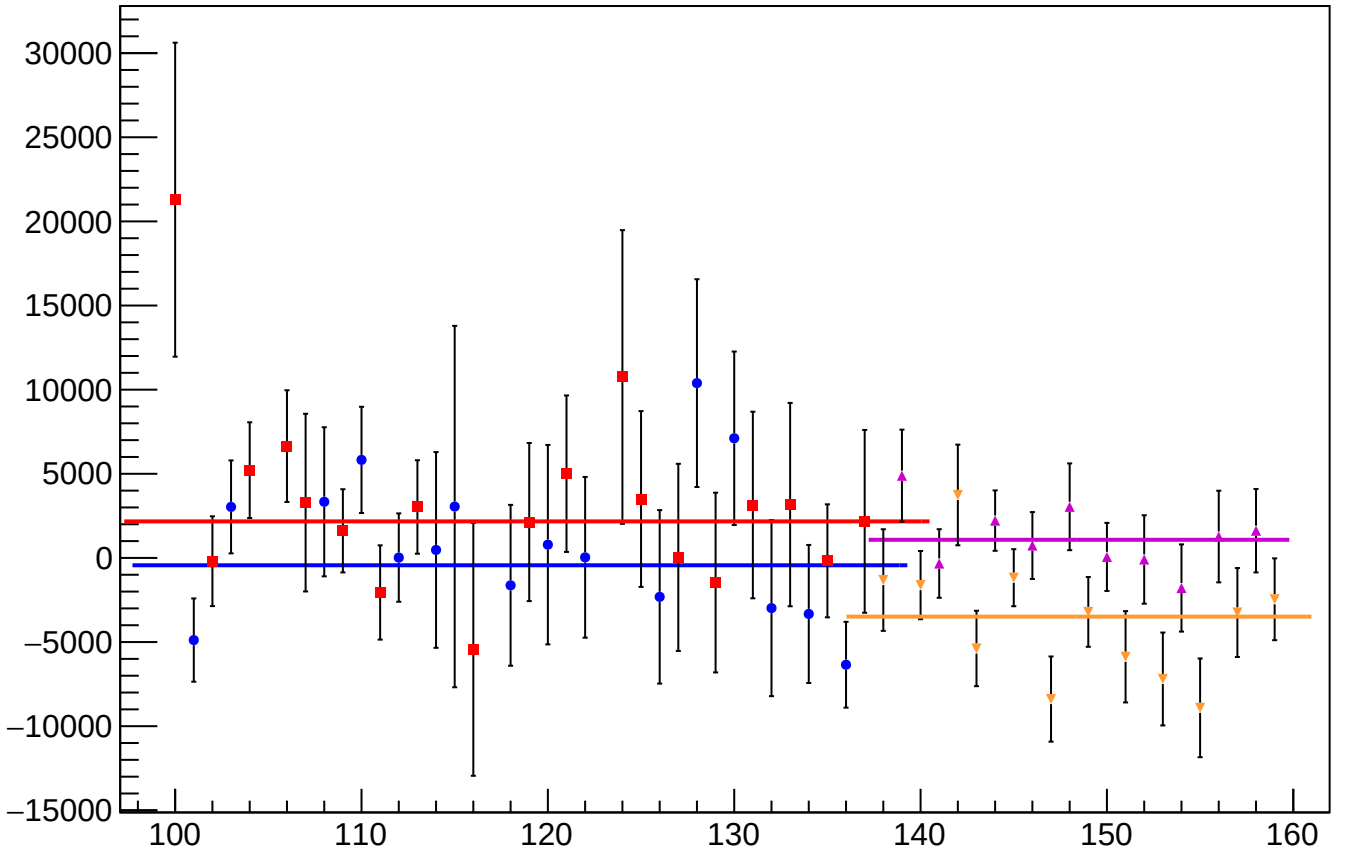
Left: 282.483+/-0.047 χ^2/NDF: 467275.7/21

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 271.174+/-0.049 χ^2/NDF:651219.1/25

Out: 268.805+/-0.047 χ^2/NDF:966045.7/30

All: 269.946+/-0.034 χ^2/NDF: 1618485.2/56



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3488.495+/-690.693 χ^2/NDF:19.7/11

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1078.401+/-720.965 χ^2/NDF:5.2/9

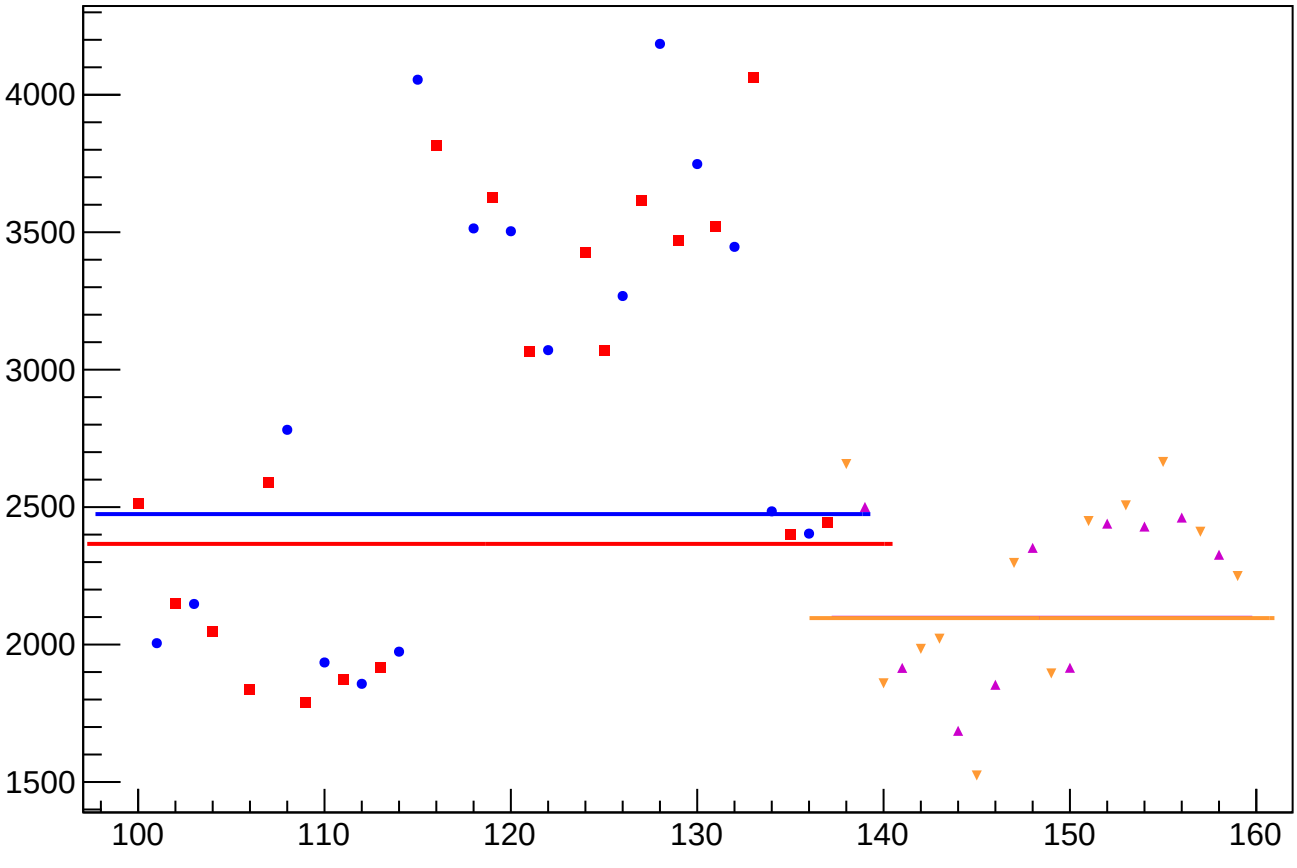
Left: -1302.934+/-498.752 χ^2/NDF: 45.8/21

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 528.463+/-575.435 χ^2/NDF:28.0/25

Out: -1393.589+/-548.183 χ^2/NDF:58.6/30

All: -479.152+/-396.908 χ^2/NDF: 92.4/56



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2096.290+/-0.488 χ^2/NDF:549987.9/11

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2097.473+/-0.510 χ^2/NDF:349860.4/9

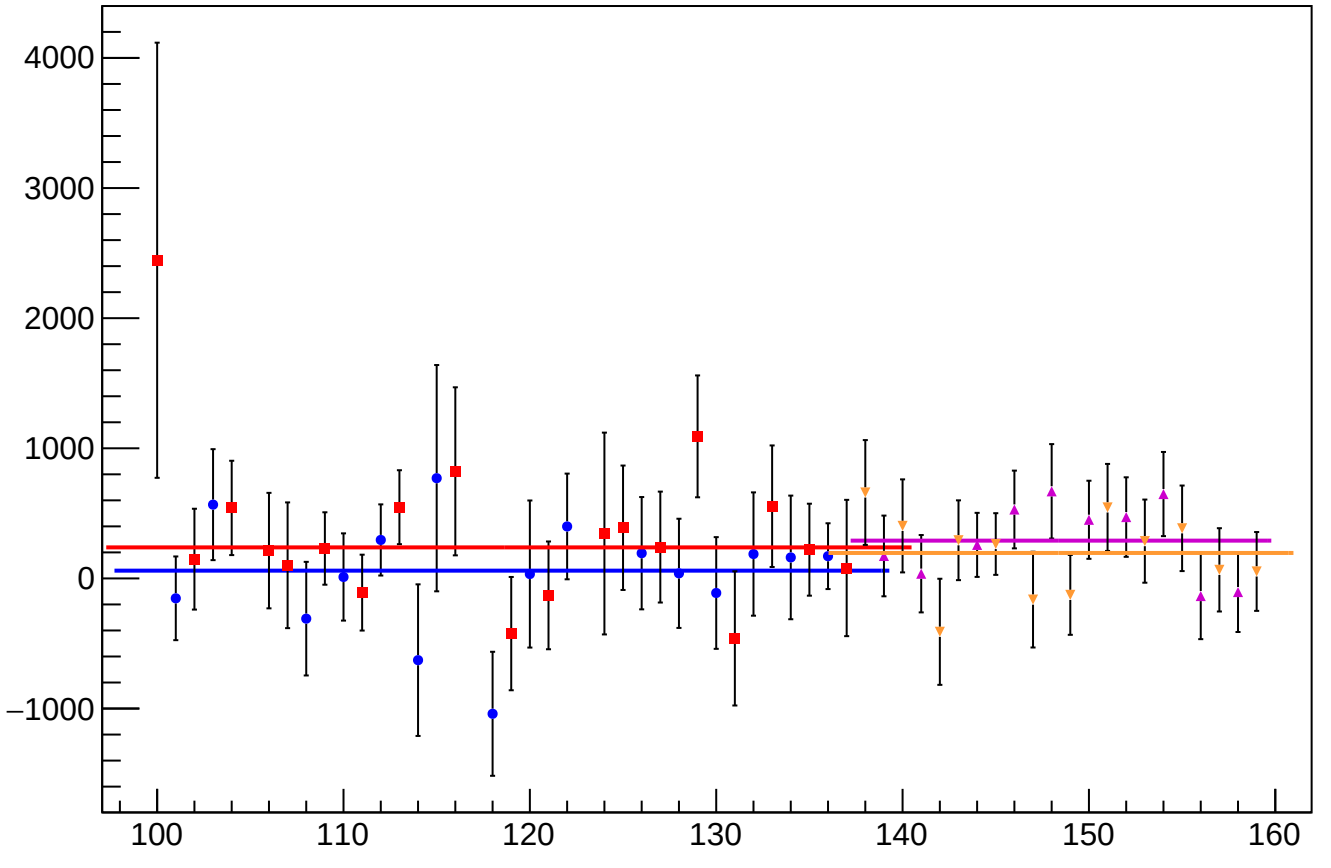
Left: 2096.856+/-0.353 χ^2/NDF: 899851.2/21

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2234.364+/-0.407 χ^2/NDF:1464762.4/25

Out: 2196.188+/-0.388 χ^2/NDF:1740213.3/30

All: 2214.351+/-0.281 χ^2/NDF: 3209590.7/56



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 195.694+/-93.209 χ^2/NDF:8.0/11

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 290.427+/-96.181 χ^2/NDF:7.8/9

Left: 241.574+/-66.935 χ^2/NDF: 16.3/21

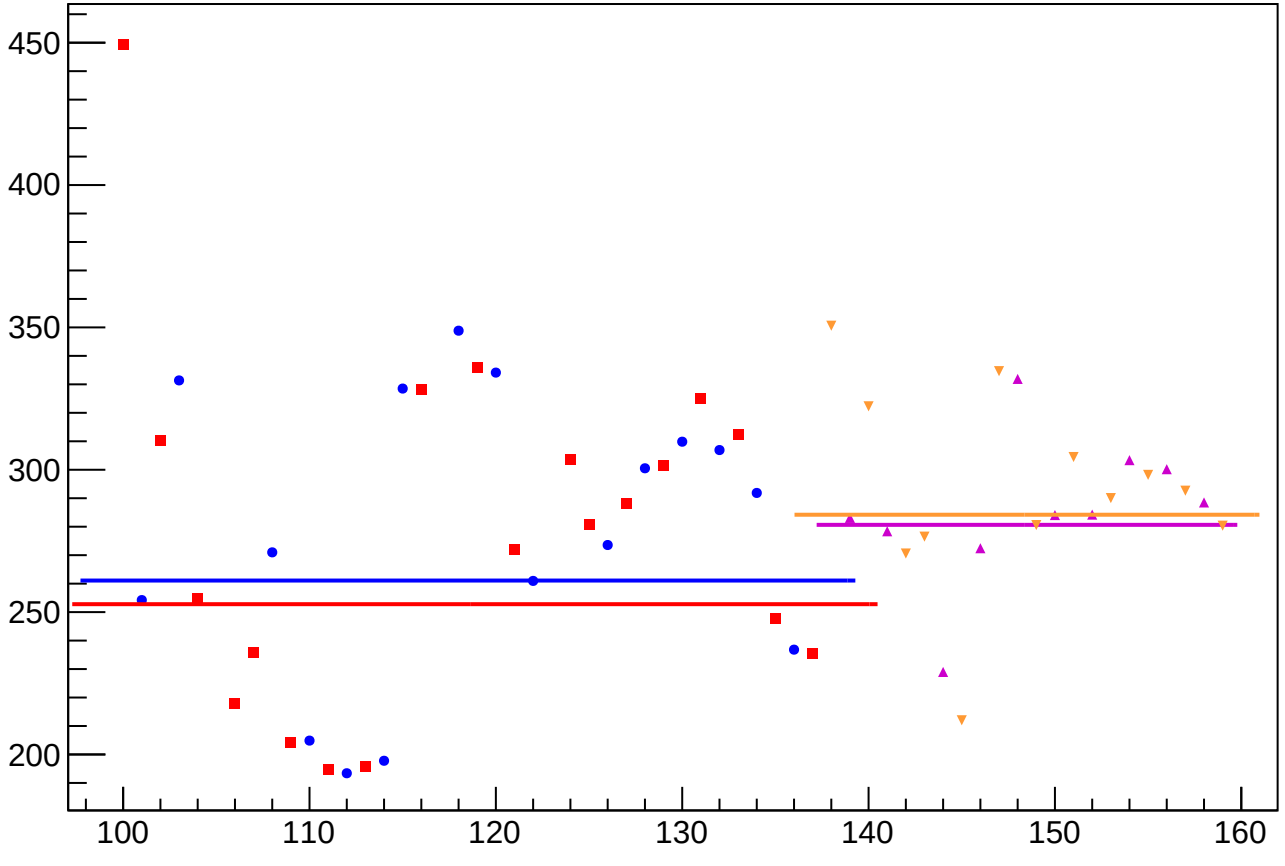
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 178.679+/-69.063 χ^2/NDF:22.6/25

Out: 216.683+/-66.554 χ^2/NDF:23.1/30

All: 198.384+/-47.923 χ^2/NDF: 45.8/56

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 284.205+/-0.066 χ^2/NDF:317374.9/11

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.650+/-0.068 χ^2/NDF:148485.3/9

Left: 282.483+/-0.047 χ^2/NDF: 467269.4/21

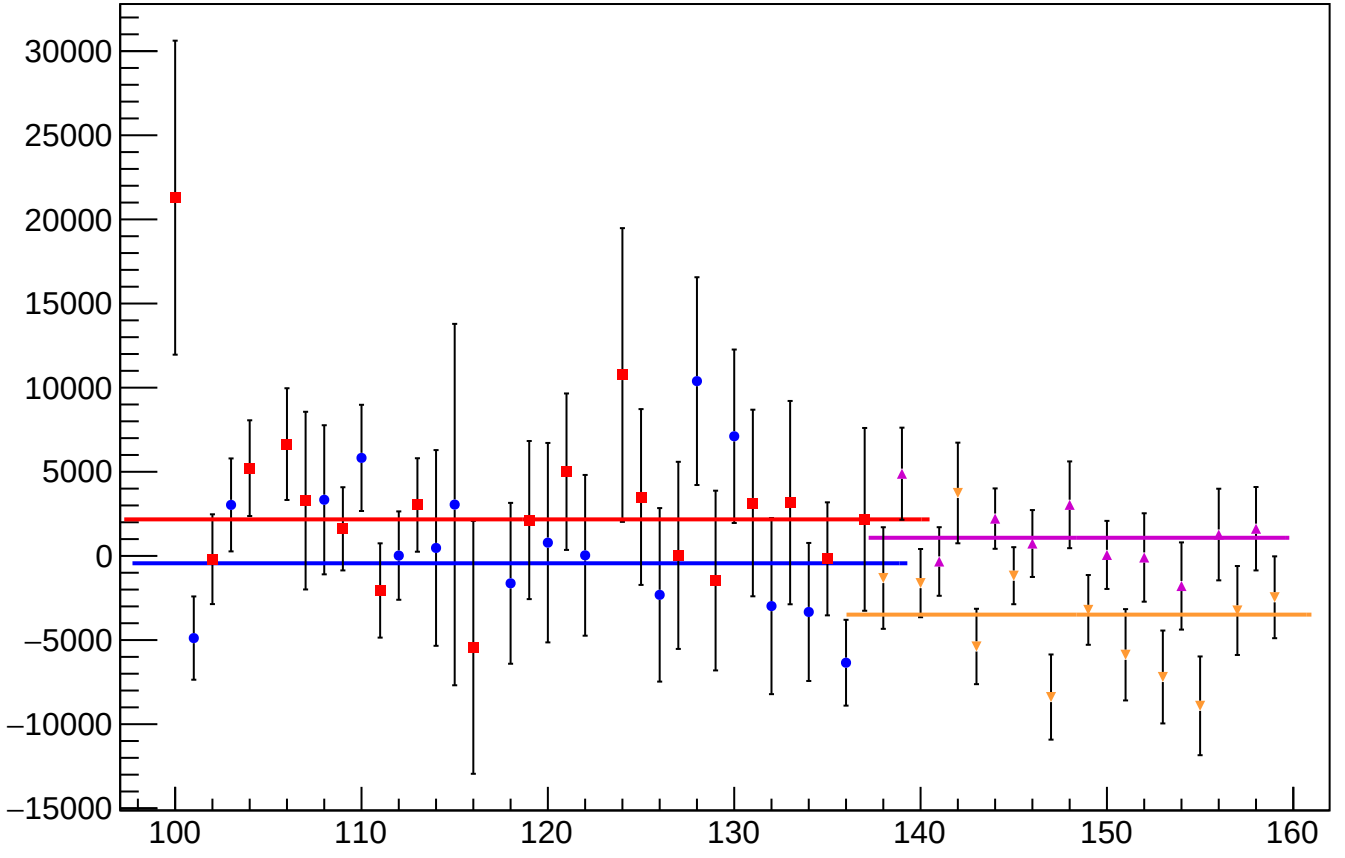
Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 271.174+/-0.049 χ^2/NDF:651222.1/25

Out: 268.805+/-0.047 χ^2/NDF:966047.9/30

All: 269.946+/-0.034 χ^2/NDF: 1618490.4/56

asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3488.489+/-690.692 χ^2/NDF:19.7/11

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1078.400+/-720.964 χ^2/NDF:5.2/9

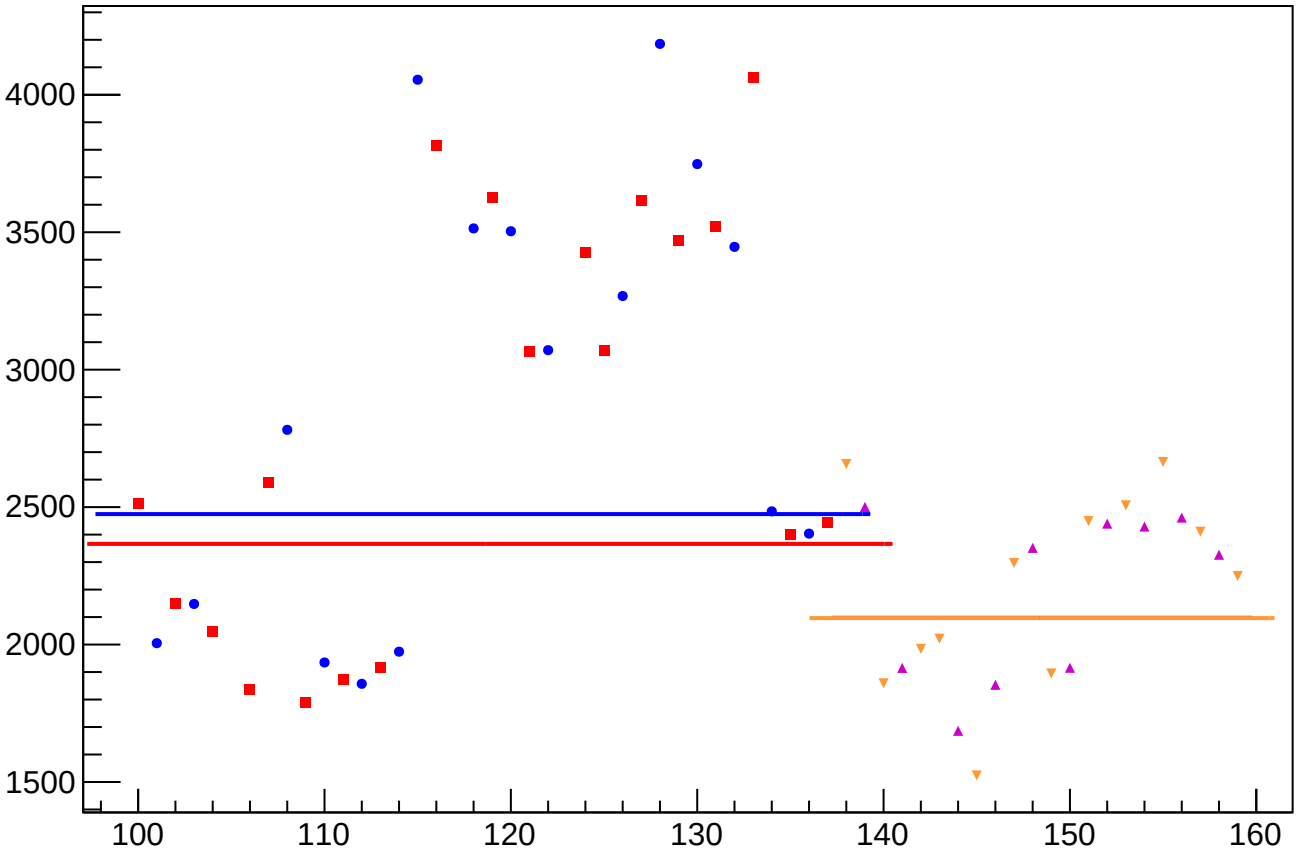
Left: -1302.933+/-498.752 χ^2/NDF: 45.8/21

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 528.462+/-575.434 χ^2/NDF:28.0/25

Out: -1393.587+/-548.182 χ^2/NDF:58.6/30

All: -479.152+/-396.908 χ^2/NDF: 92.4/56



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2096.287+/-0.488 χ^2/NDF:549990.9/11

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2097.472+/-0.510 χ^2/NDF:349858.6/9

Left: 2096.854+/-0.353 χ^2/NDF: 899852.3/21

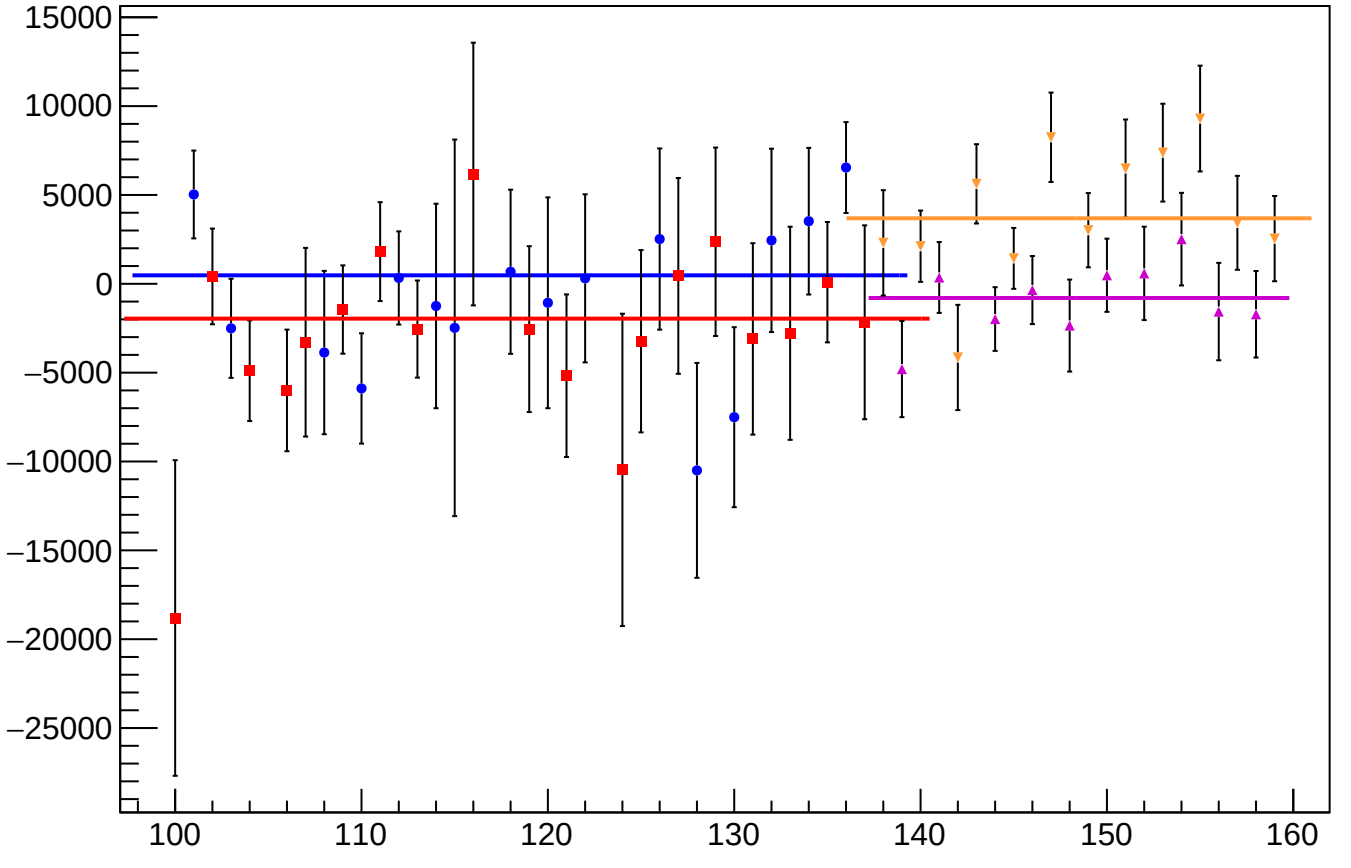
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2234.363+/-0.407 χ^2/NDF:1464763.5/25

Out: 2196.185+/-0.388 χ^2/NDF:1740219.3/30

All: 2214.349+/-0.281 χ^2/NDF: 3209598.1/56

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3687.748+/-690.364 χ^2/NDF:20.3/11

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -798.888+/-715.971 χ^2/NDF:5.9/9

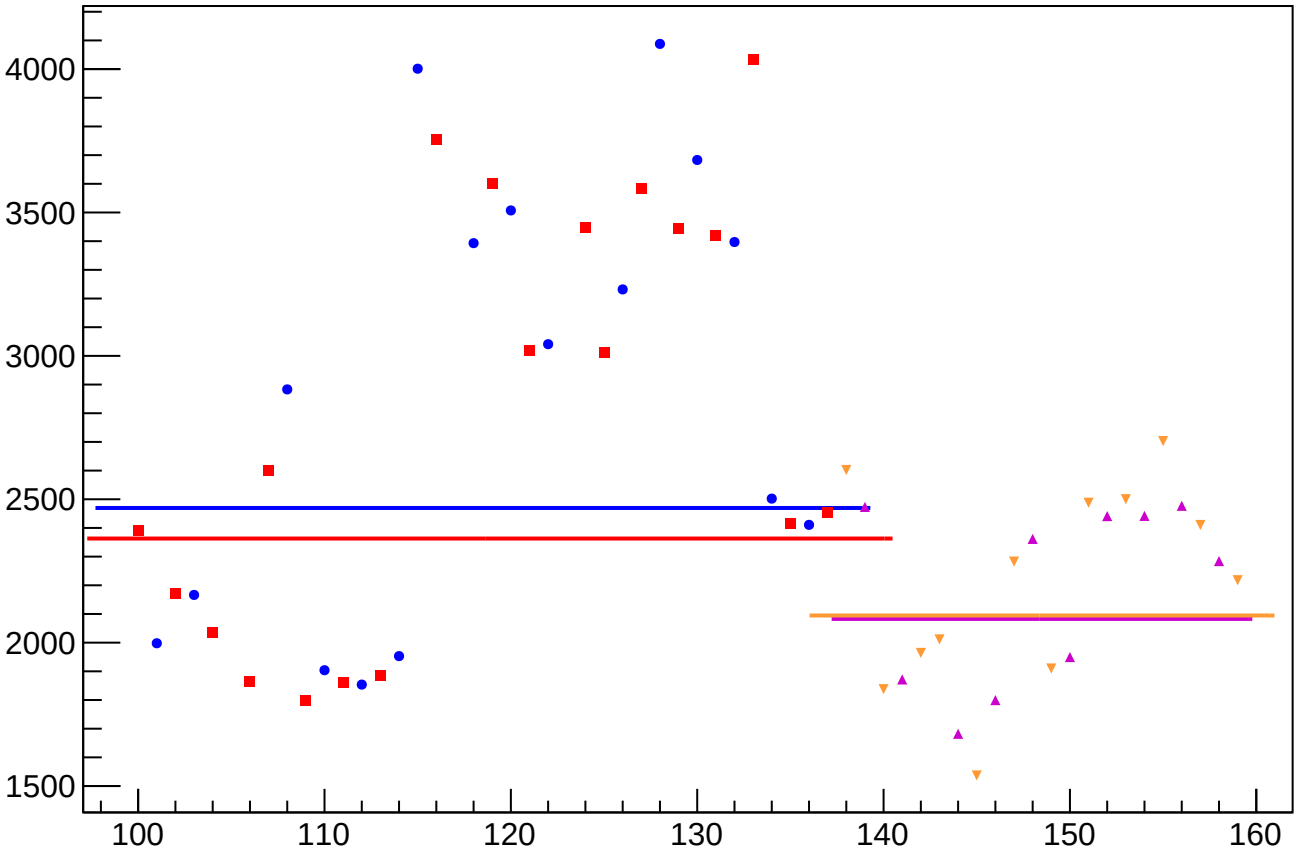
Left: 1526.095+/-496.967 χ^2/NDF: 46.5/21

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -338.309+/-572.371 χ^2/NDF:29.1/25

Out: 1594.939+/-547.703 χ^2/NDF:58.0/30

All: 670.871+/-395.718 χ^2/NDF: 93.0/56



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2094.671+/-0.488 χ^2/NDF:538279.0/11

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2082.786+/-0.506 χ^2/NDF:369628.7/9

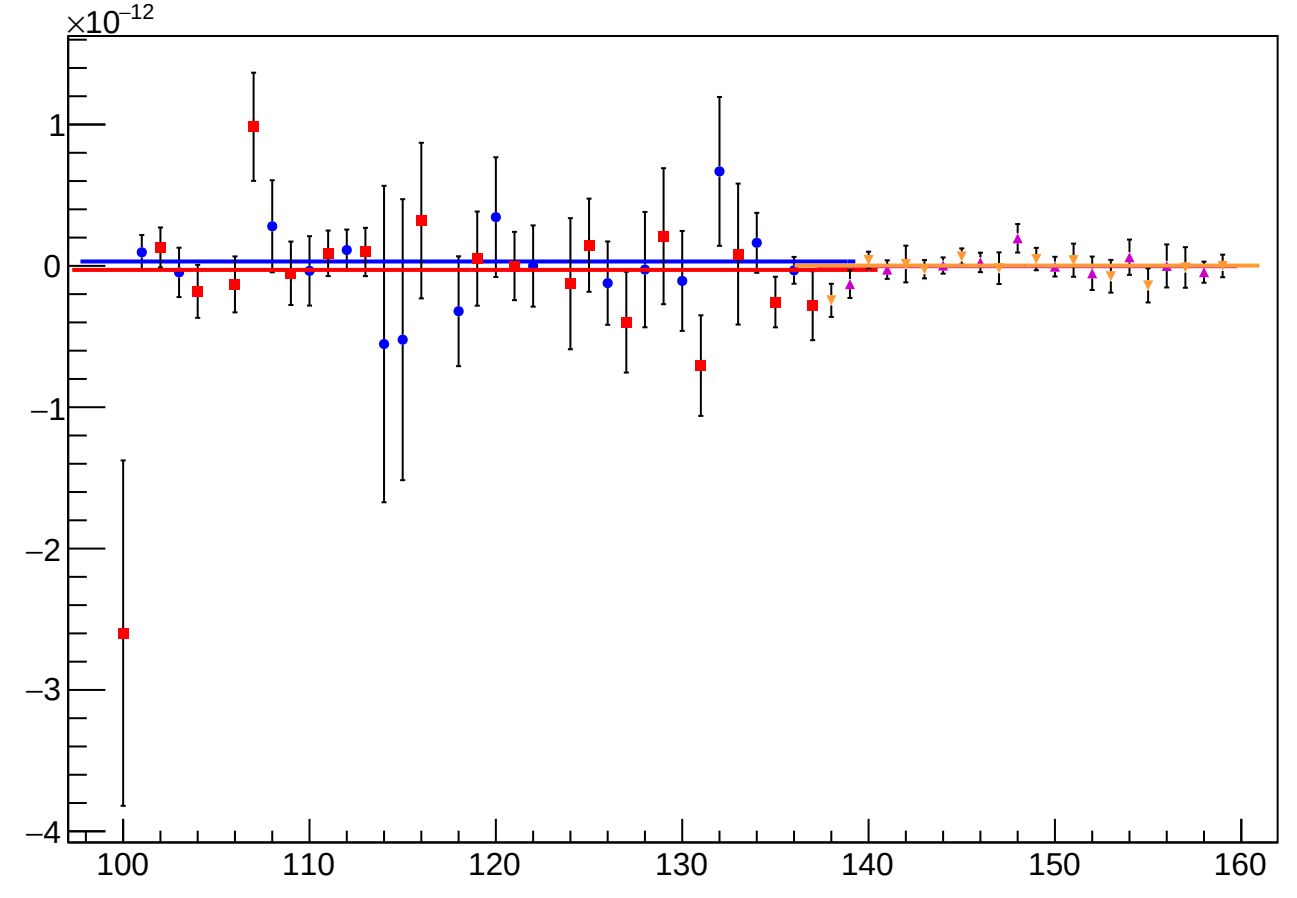
Left: 2088.945+/-0.351 χ^2/NDF: 908193.3/21

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2222.404+/-0.405 χ^2/NDF:1466537.8/25

Out: 2194.130+/-0.387 χ^2/NDF:1693637.2/30

All: 2207.645+/-0.280 χ^2/NDF: 3162722.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

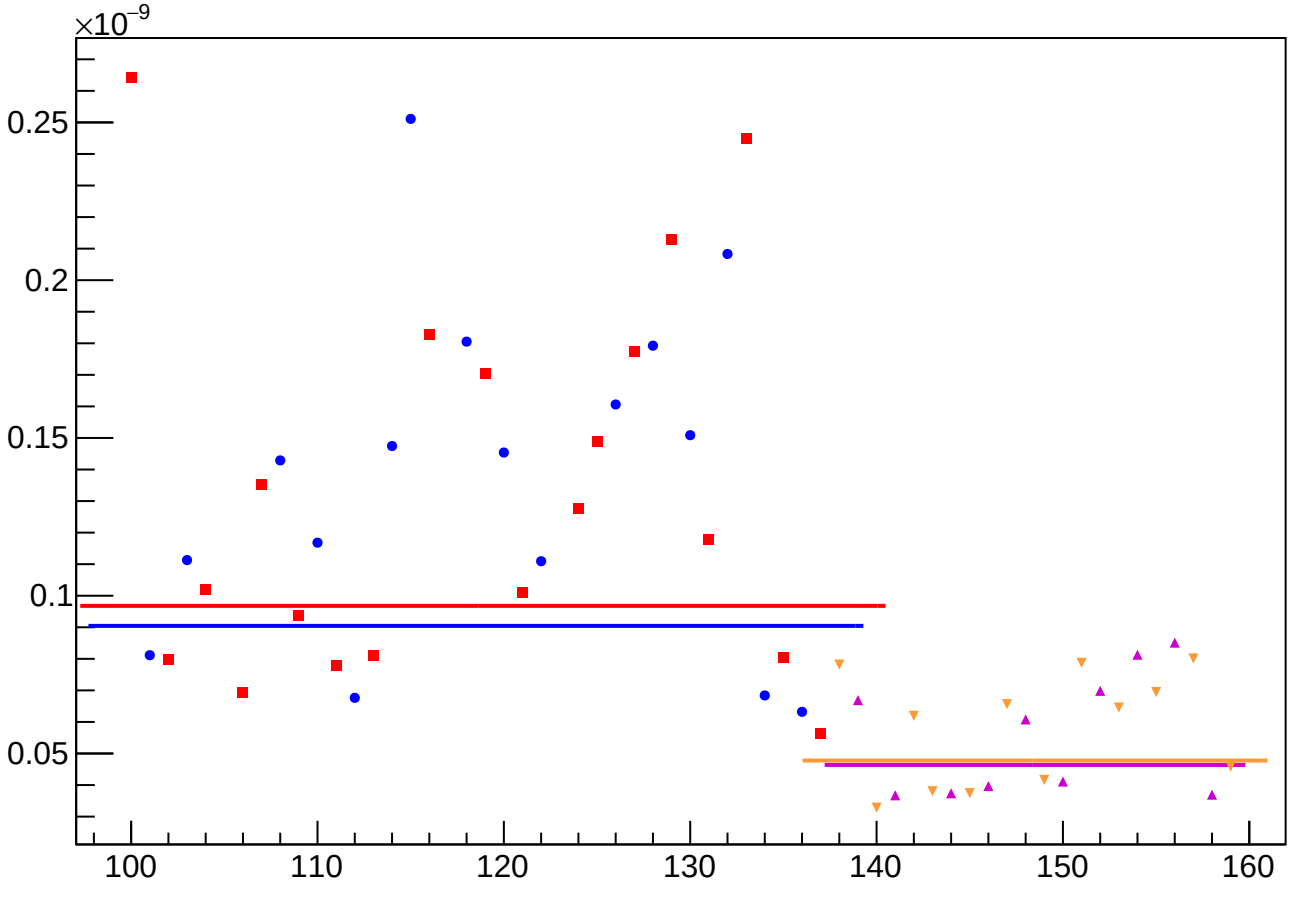
Left: -0.000+/-0.000 χ^2/NDF: 15.1/21

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:13.0/25

Out: -0.000+/-0.000 χ^2/NDF:32.0/30

All: 0.000+/-0.000 χ^2/NDF: 45.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:808742.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:647777.5/9

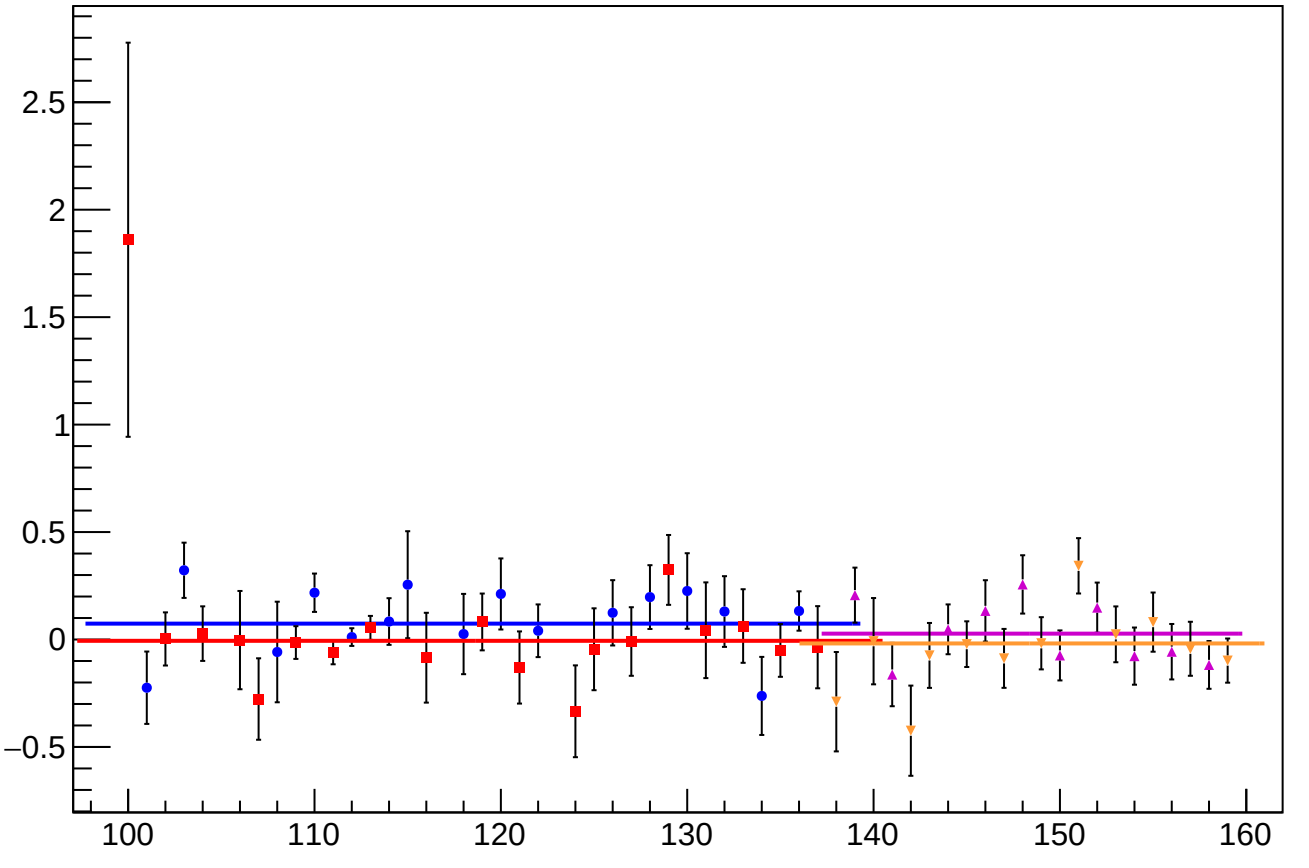
Left: 0.000+/-0.000 χ^2/NDF: 1459519.8/21

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2708401.0/25

Out: 0.000+/-0.000 χ^2/NDF:2944016.3/30

All: 0.000+/-0.000 χ^2/NDF: 5654129.0/56



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.6/9

Left: 0.004+/-0.028 χ^2/NDF: 27.0/21

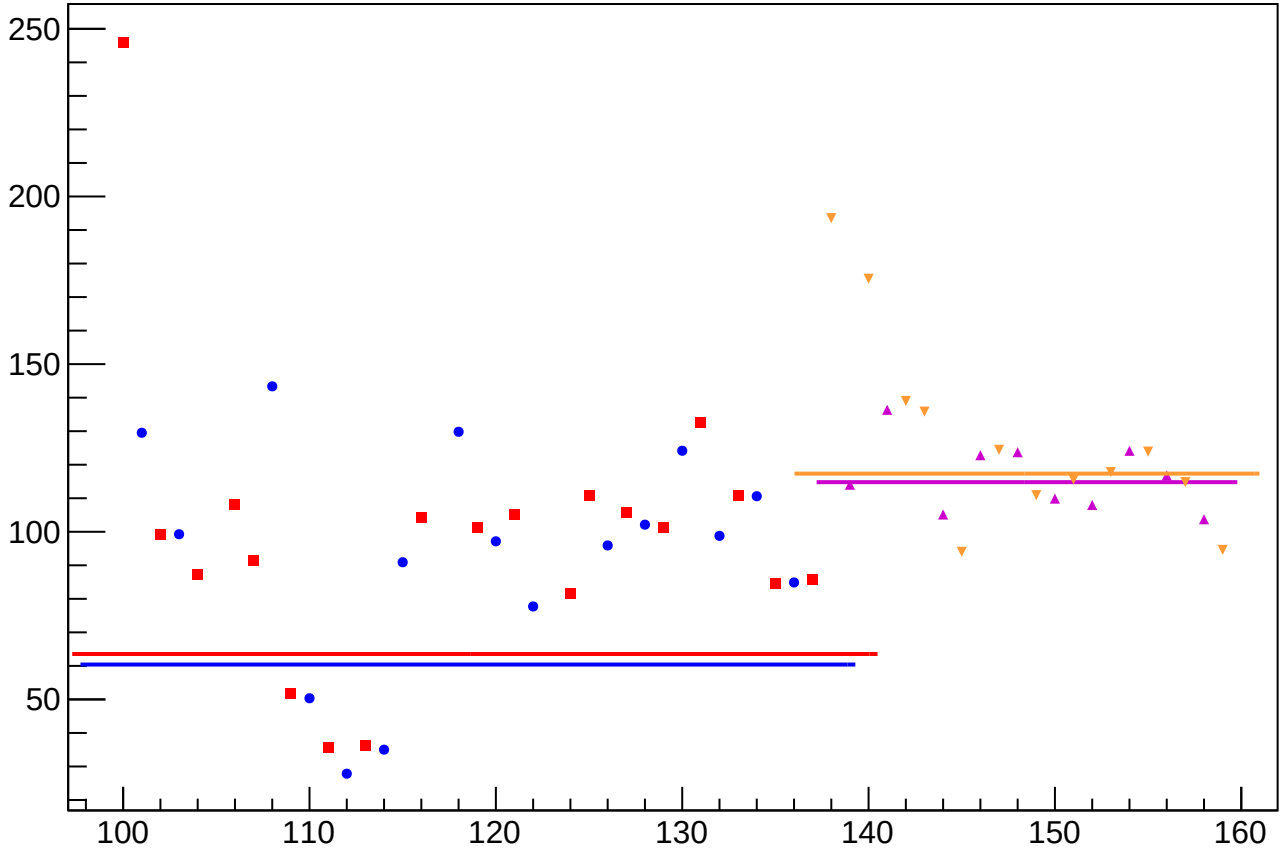
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.024+/-0.016 χ^2/NDF: 67.5/56

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.346+/-0.028 χ^2/NDF:646943.7/11

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

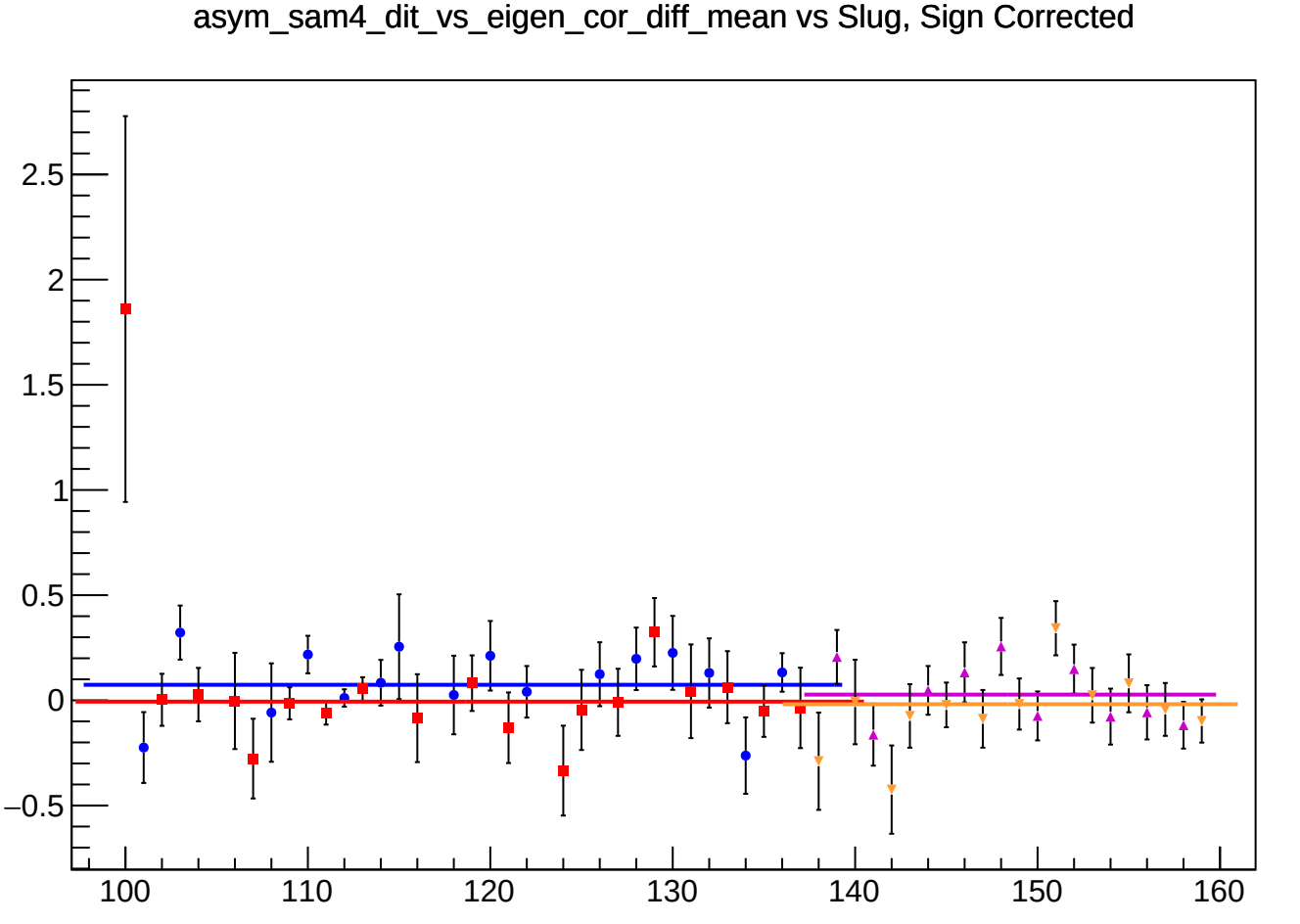
Left: 116.091+/-0.020 χ^2/NDF: 763469.0/21

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 77.528+/-0.016 χ^2/NDF:6204098.3/25

Out: 80.697+/-0.016 χ^2/NDF:5863624.0/30

All: 79.127+/-0.011 χ^2/NDF: 12088001.1/56



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.6/9

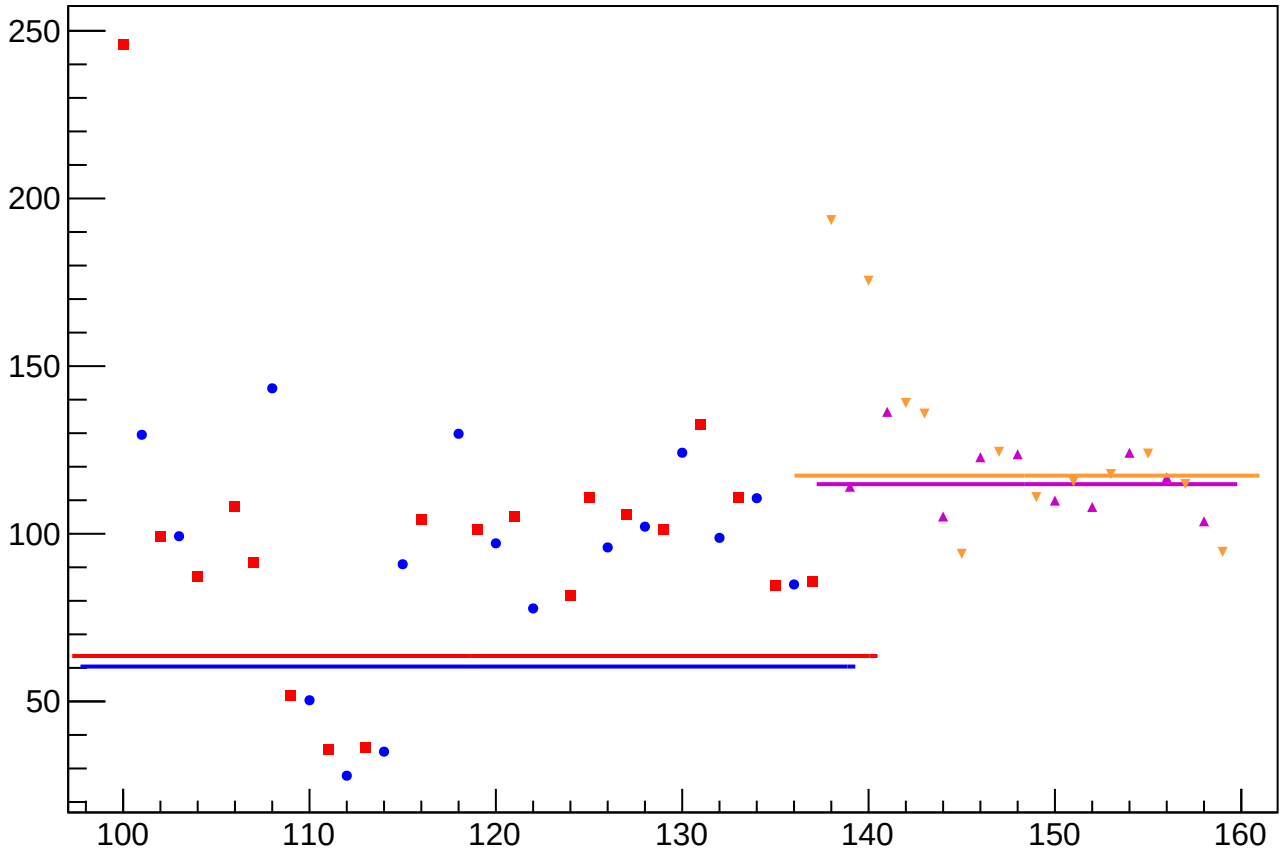
Left: 0.004+/-0.028 χ^2/NDF: 27.0/21

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.024+/-0.016 χ^2/NDF: 67.5/56



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.346+/-0.028 χ^2/NDF:646943.7/11

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

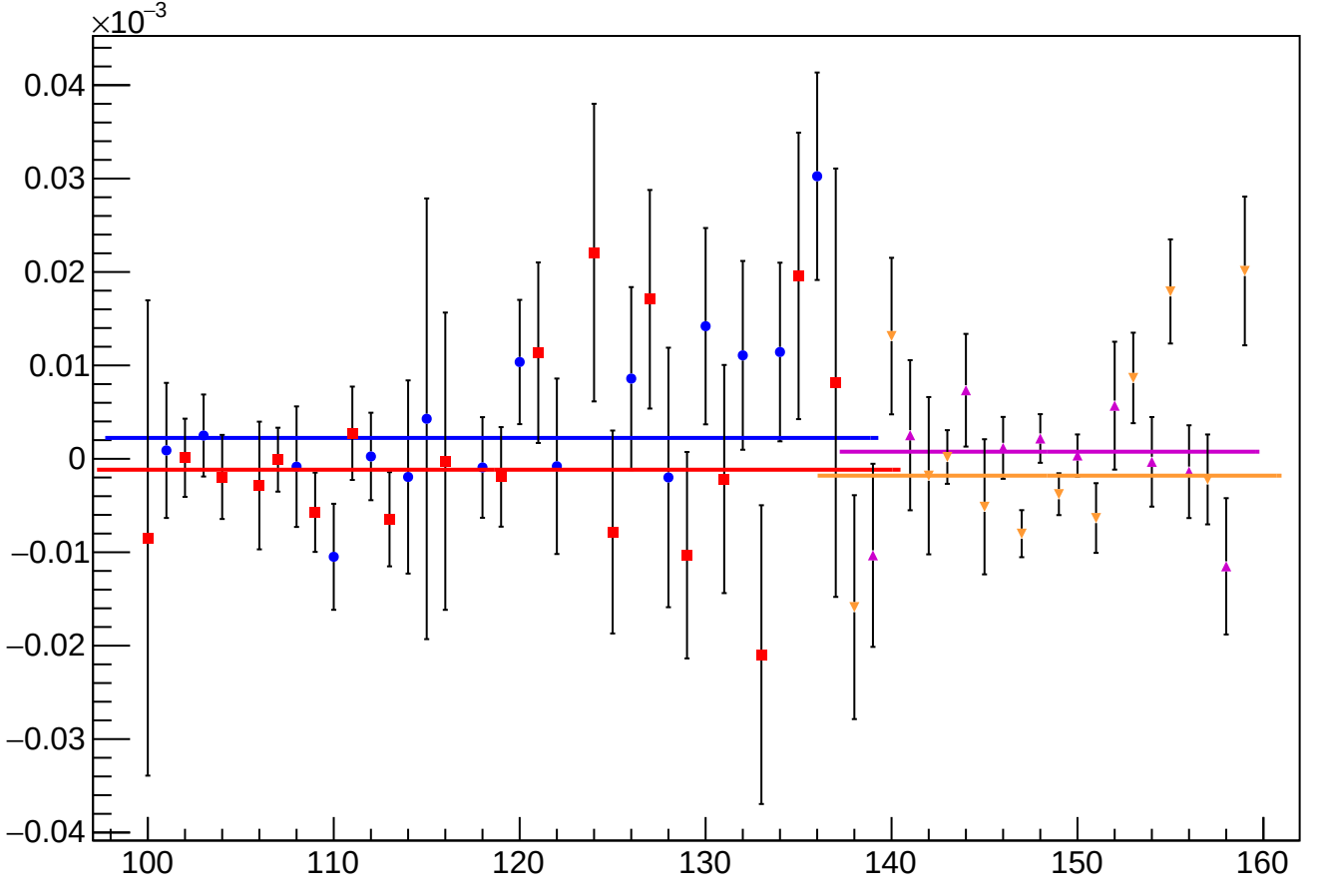
Left: 116.091+/-0.020 χ^2/NDF: 763469.0/21

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 77.528+/-0.016 χ^2/NDF:6204098.3/25

Out: 80.697+/-0.016 χ^2/NDF:5863624.0/30

All: 79.127+/-0.011 χ^2/NDF: 12088001.1/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:38.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

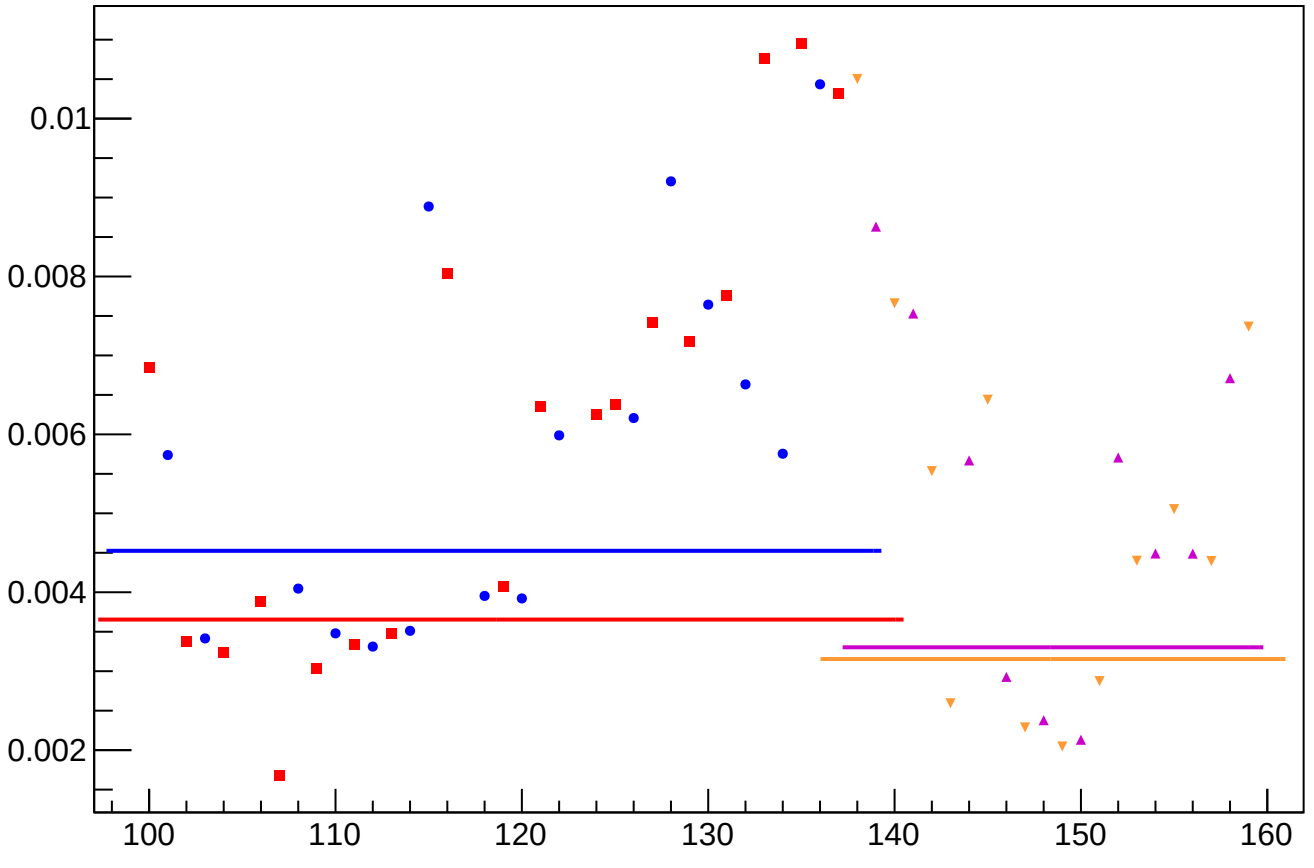
Left: -0.000+/-0.000 χ^2/NDF: 47.0/21

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:24.3/25

Out: -0.000+/-0.000 χ^2/NDF:52.6/30

All: -0.000+/-0.000 χ^2/NDF: 81.0/56



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:3773998.0/11

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:3191707.8/9

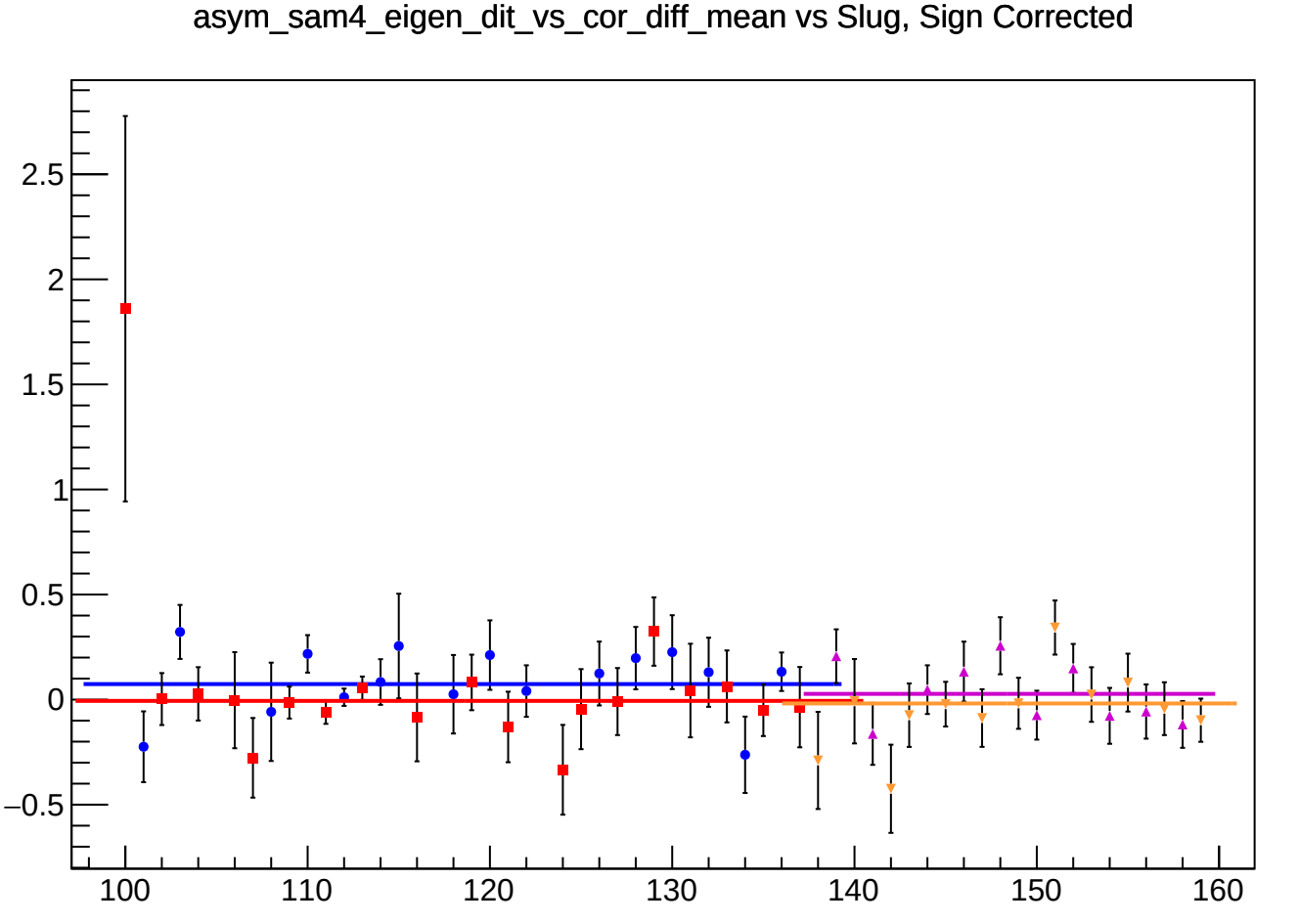
Left: 0.003+/-0.000 χ^2/NDF: 6980492.4/21

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5521363.0/25

Out: 0.003+/-0.000 χ^2/NDF:6845888.4/30

All: 0.004+/-0.000 χ^2/NDF: 12506112.9/56



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.7/9

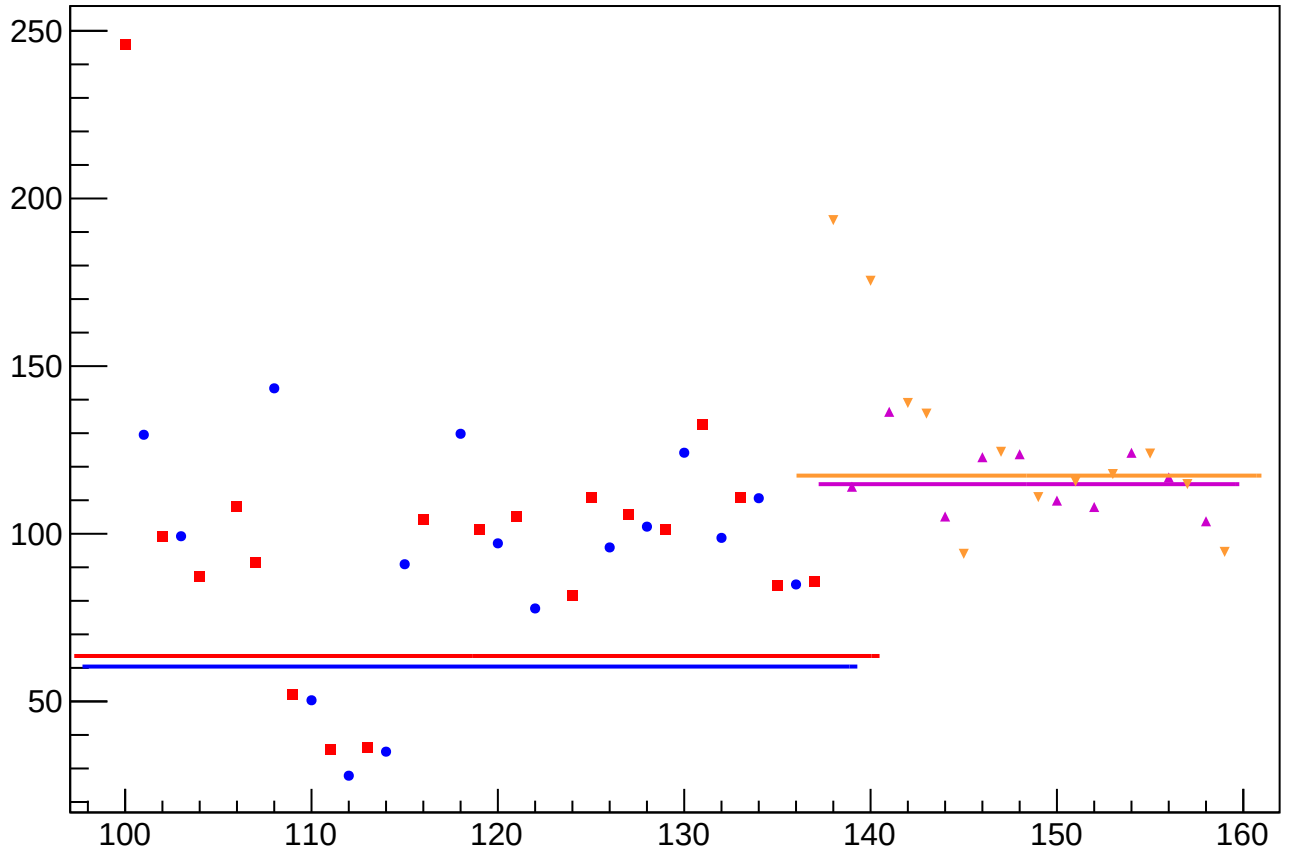
Left: 0.004+/-0.028 χ^2/NDF: 27.0/21

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.024+/-0.016 χ^2/NDF: 67.5/56



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.348+/-0.028 χ^2/NDF:646912.7/11

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

Left: 116.093+/-0.020 χ^2/NDF: 763437.2/21

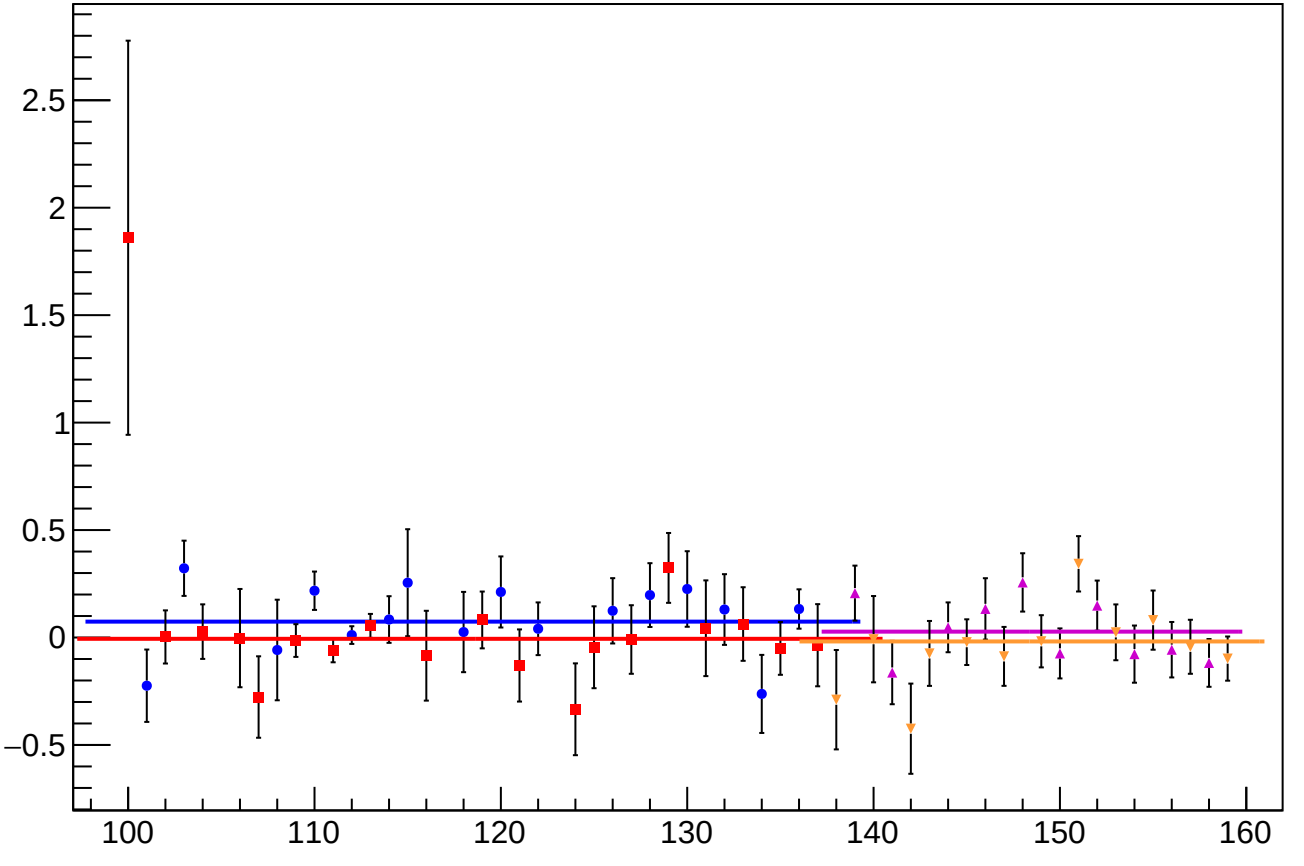
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 77.526+/-0.016 χ^2/NDF:6204667.4/25

Out: 80.695+/-0.016 χ^2/NDF:5864161.8/30

All: 79.126+/-0.011 χ^2/NDF: 12089113.1/56

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: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.7/9

Left: 0.004+/-0.028 χ^2/NDF: 27.0/21

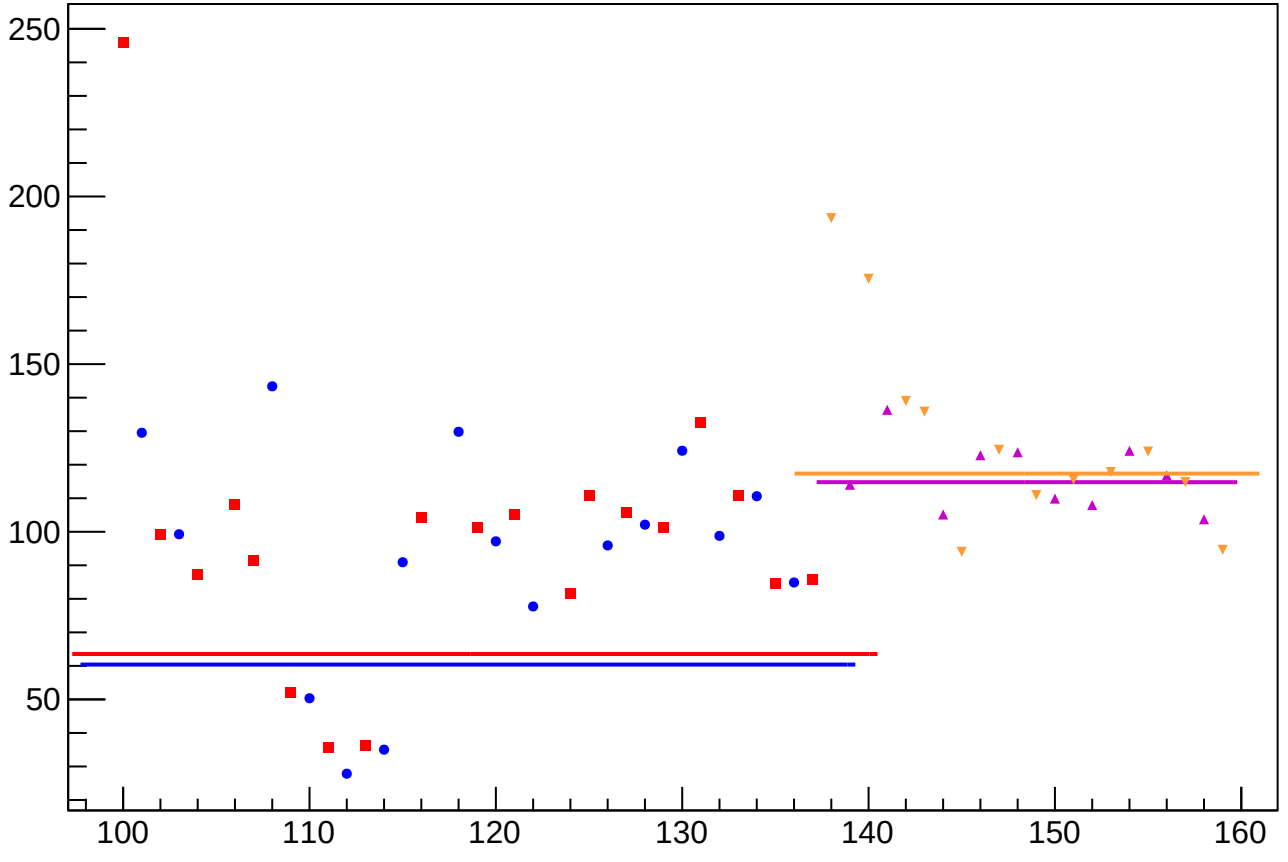
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.024+/-0.016 χ^2/NDF: 67.5/56

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: 117.348+/-0.028 χ^2/NDF:646912.7/11

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

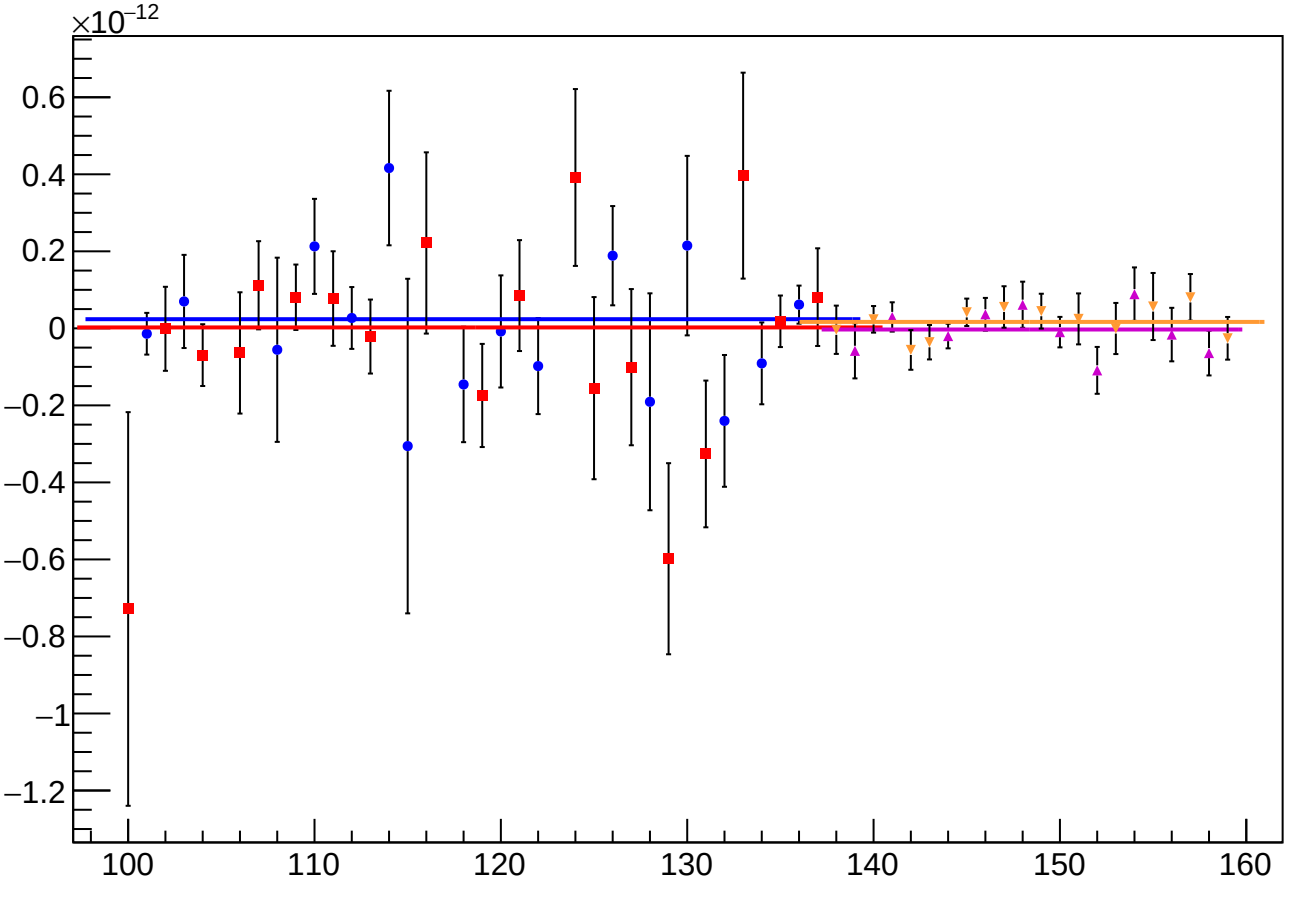
Left: 116.093+/-0.020 χ^2/NDF: 763437.2/21

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 77.526+/-0.016 χ^2/NDF:6204667.4/25

Out: 80.695+/-0.016 χ^2/NDF:5864161.8/30

All: 79.126+/-0.011 χ^2/NDF: 12089113.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/9

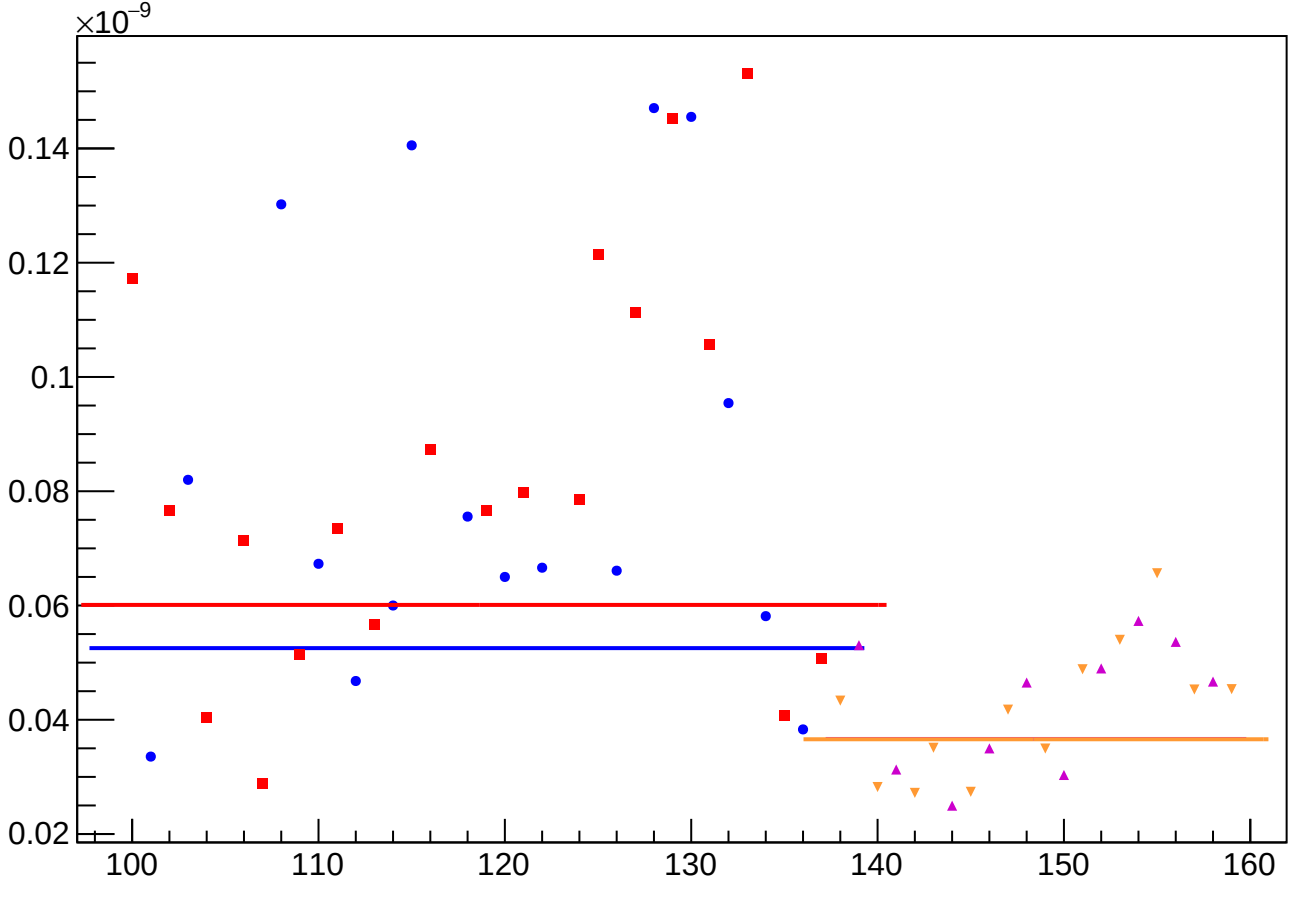
Left: 0.000+/-0.000 χ^2/NDF: 17.4/21

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:27.2/25

Out: 0.000+/-0.000 χ^2/NDF:30.3/30

All: 0.000+/-0.000 χ^2/NDF: 57.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:883577.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:959393.3/9

Left: 0.000+/-0.000 χ^2/NDF: 1842983.1/21

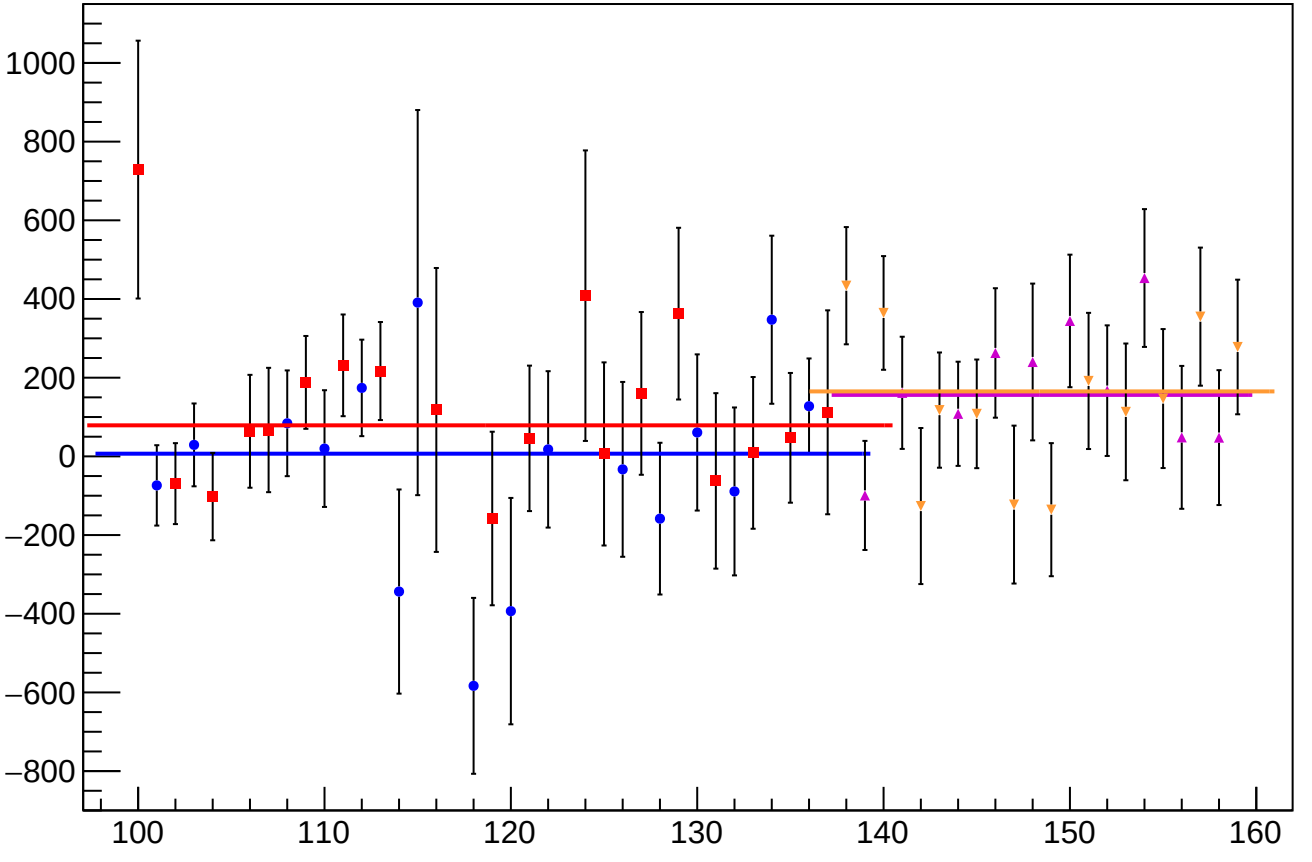
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3159656.9/25

Out: 0.000+/-0.000 χ^2/NDF:3483375.0/30

All: 0.000+/-0.000 χ^2/NDF: 6645565.4/56

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 165.131+/-47.543 χ^2/NDF:14.5/11

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 156.265+/-50.711 χ^2/NDF:9.0/9

Left: 160.983+/-34.684 χ^2/NDF: 23.6/21

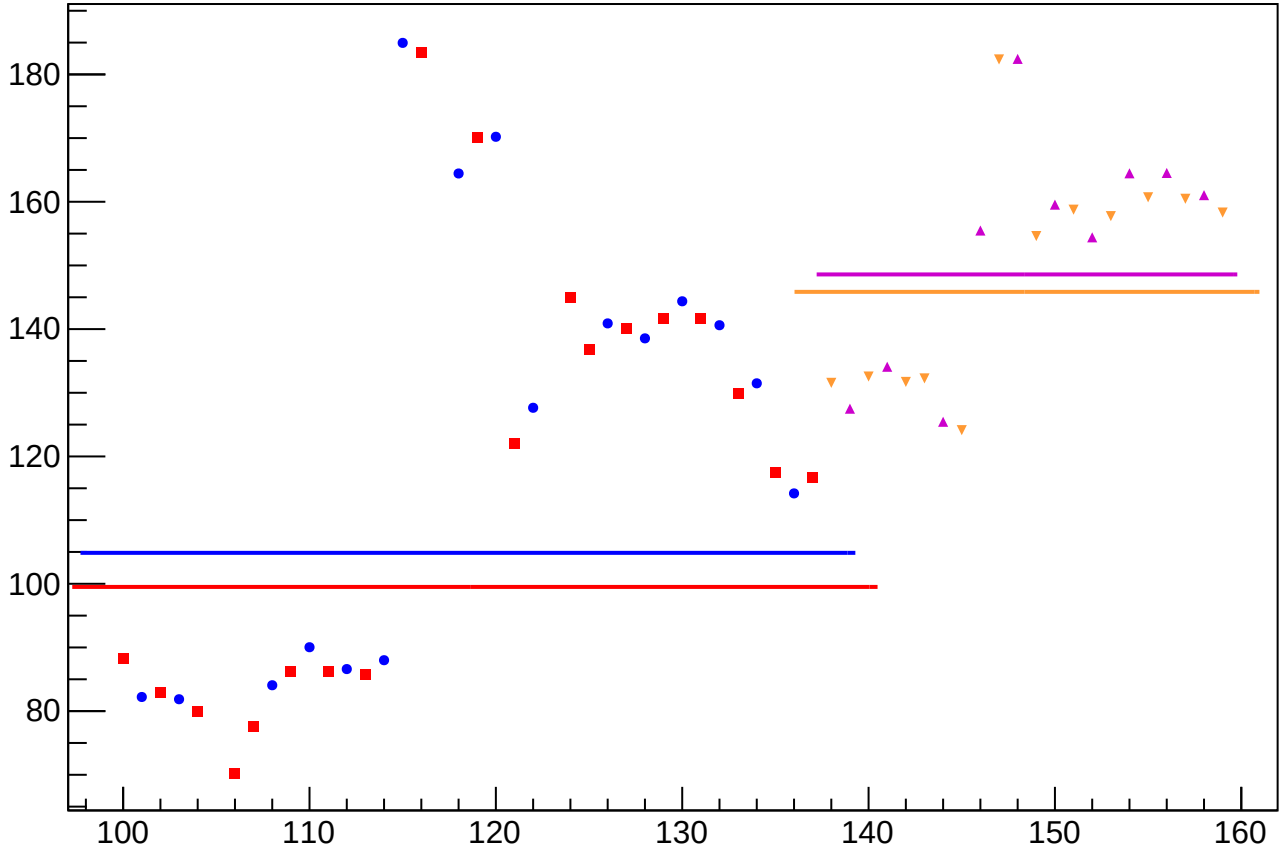
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 64.755+/-31.576 χ^2/NDF:33.1/25

Out: 112.402+/-29.639 χ^2/NDF:33.2/30

All: 90.085+/-21.610 χ^2/NDF: 67.6/56

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 145.851+/-0.034 χ^2/NDF:242889.5/11

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

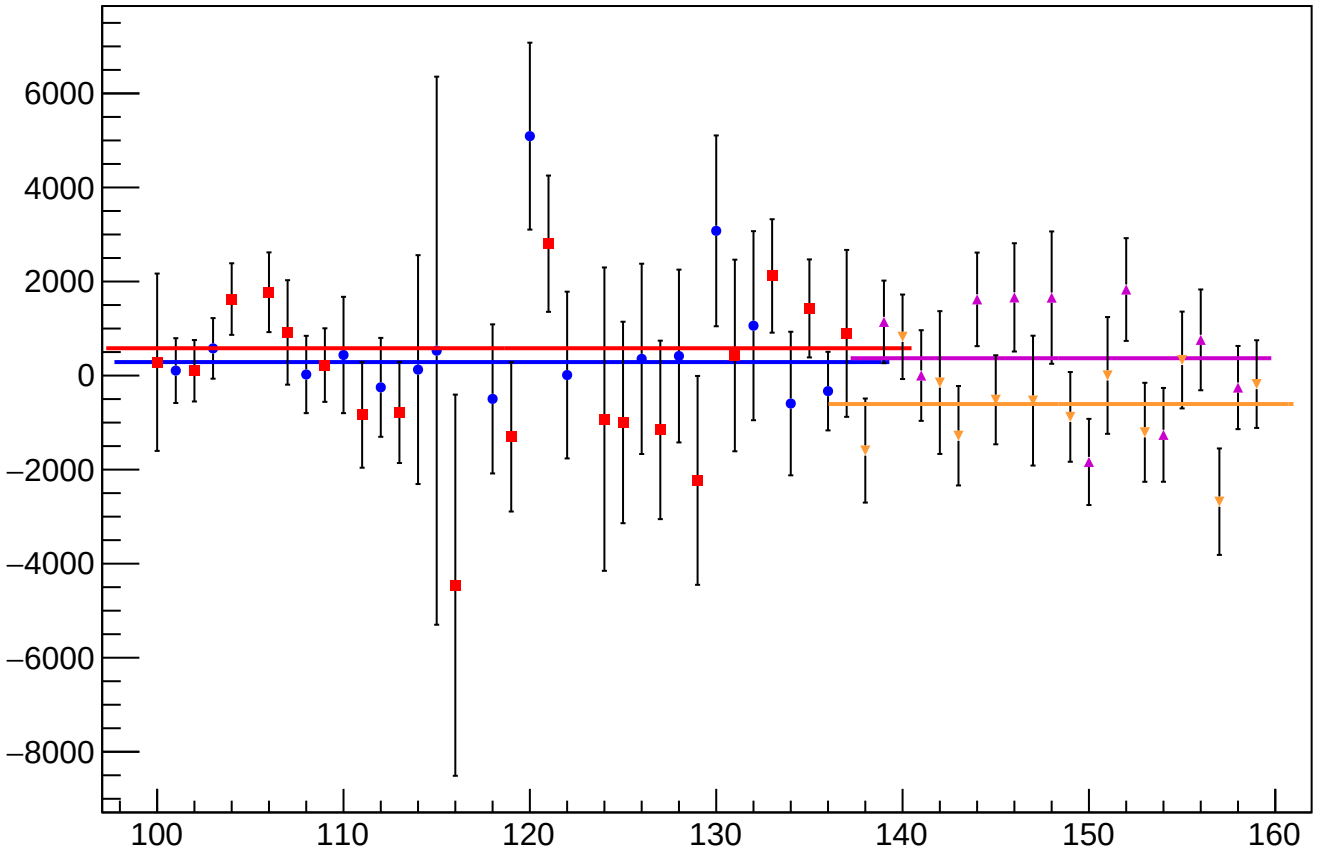
Left: 147.131+/-0.025 χ^2/NDF: 488620.7/21

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 121.813+/-0.022 χ^2/NDF:2084406.2/25

Out: 117.518+/-0.021 χ^2/NDF:2443705.9/30

All: 119.530+/-0.015 χ^2/NDF: 4547787.6/56



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -605.293+/-307.894 χ^2/NDF:8.9/11

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 368.970+/-318.996 χ^2/NDF:15.5/9

Left: -135.409+/-221.535 χ^2/NDF: 29.2/21

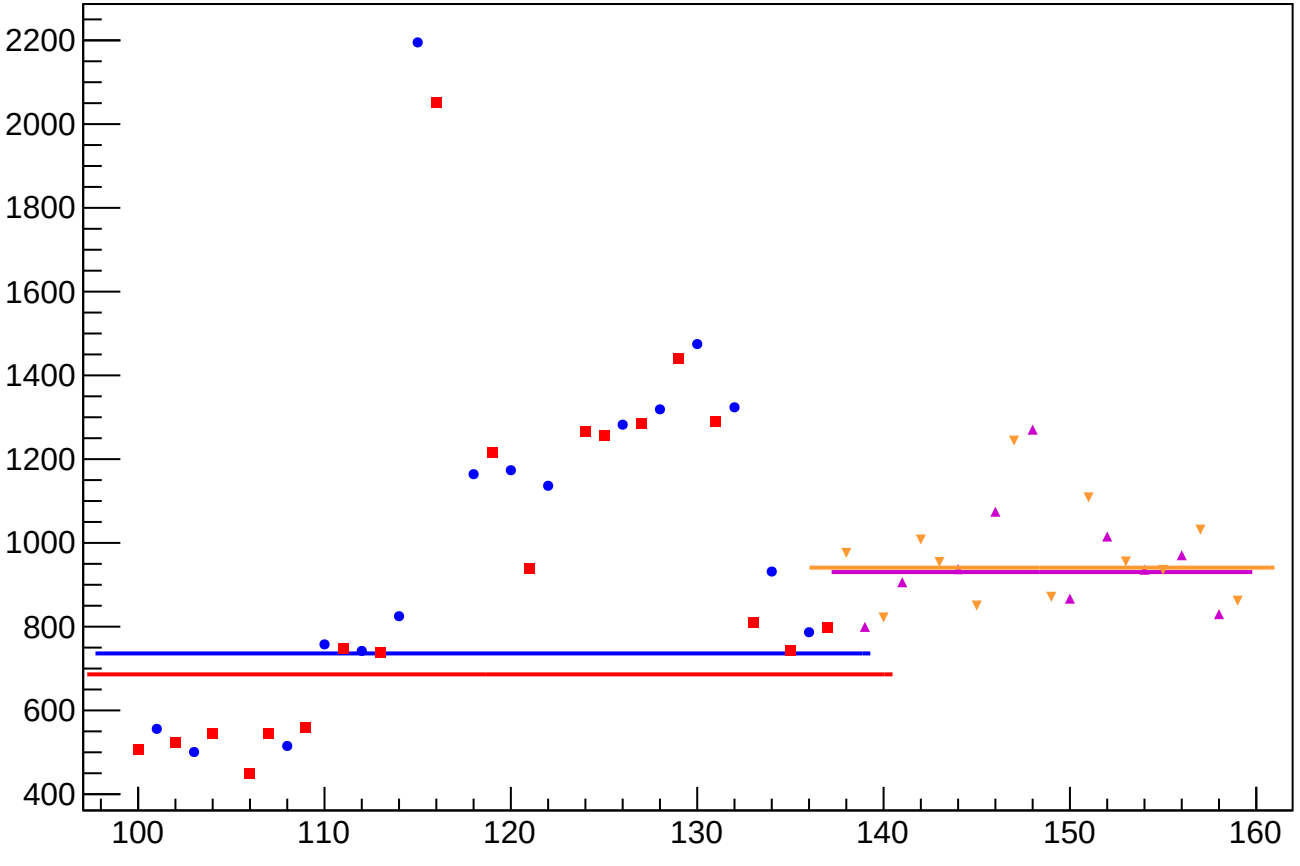
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 324.529+/-215.977 χ^2/NDF:25.2/25

Out: 65.918+/-202.906 χ^2/NDF:36.0/30

All: 187.162+/-147.882 χ^2/NDF: 62.0/56

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 940.986+/-0.218 χ^2/NDF:230935.2/11

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 930.337+/-0.226 χ^2/NDF:244312.0/9

Left: 935.850+/-0.157 χ^2/NDF: 476400.9/21

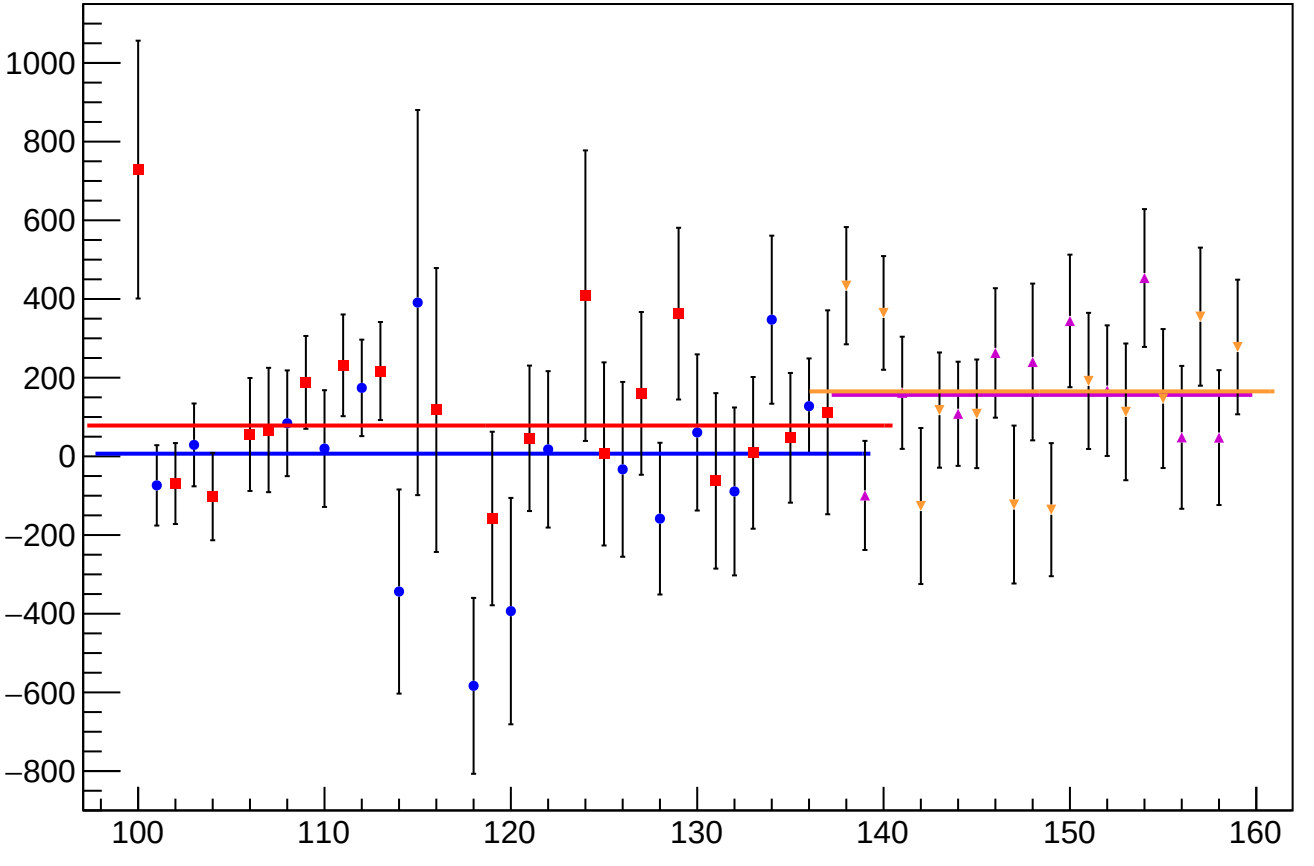
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 825.130+/-0.153 χ^2/NDF:2490483.8/25

Out: 796.801+/-0.143 χ^2/NDF:2825426.1/30

All: 810.082+/-0.105 χ^2/NDF: 5334187.2/56

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 165.124+/-47.543 χ^2/NDF:14.5/11

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 156.266+/-50.711 χ^2/NDF:9.0/9

Left: 160.981+/-34.684 χ^2/NDF: 23.6/21

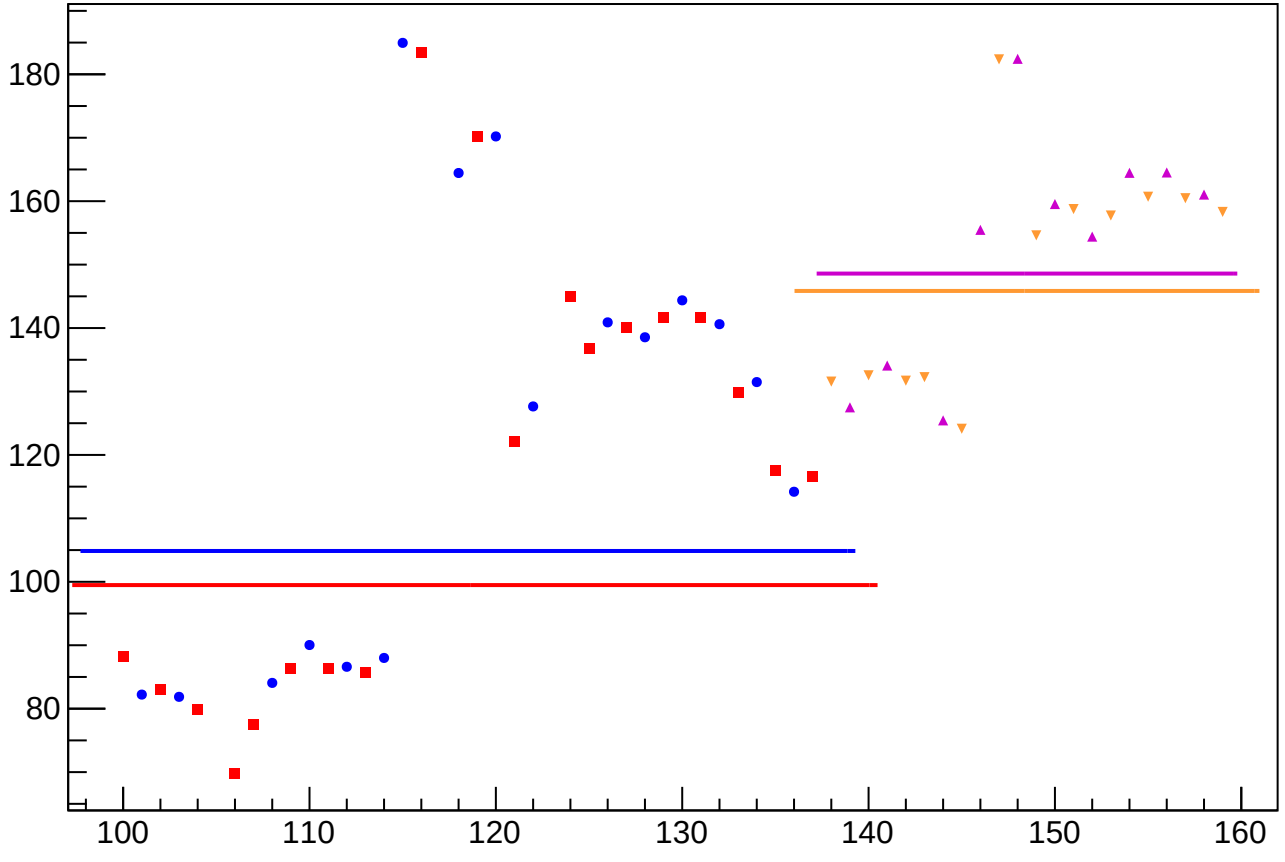
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 64.749+/-31.576 χ^2/NDF:33.1/25

Out: 112.075+/-29.640 χ^2/NDF:33.3/30

All: 89.907+/-21.611 χ^2/NDF: 67.6/56

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 145.851+/-0.034 χ^2/NDF:242889.5/11

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

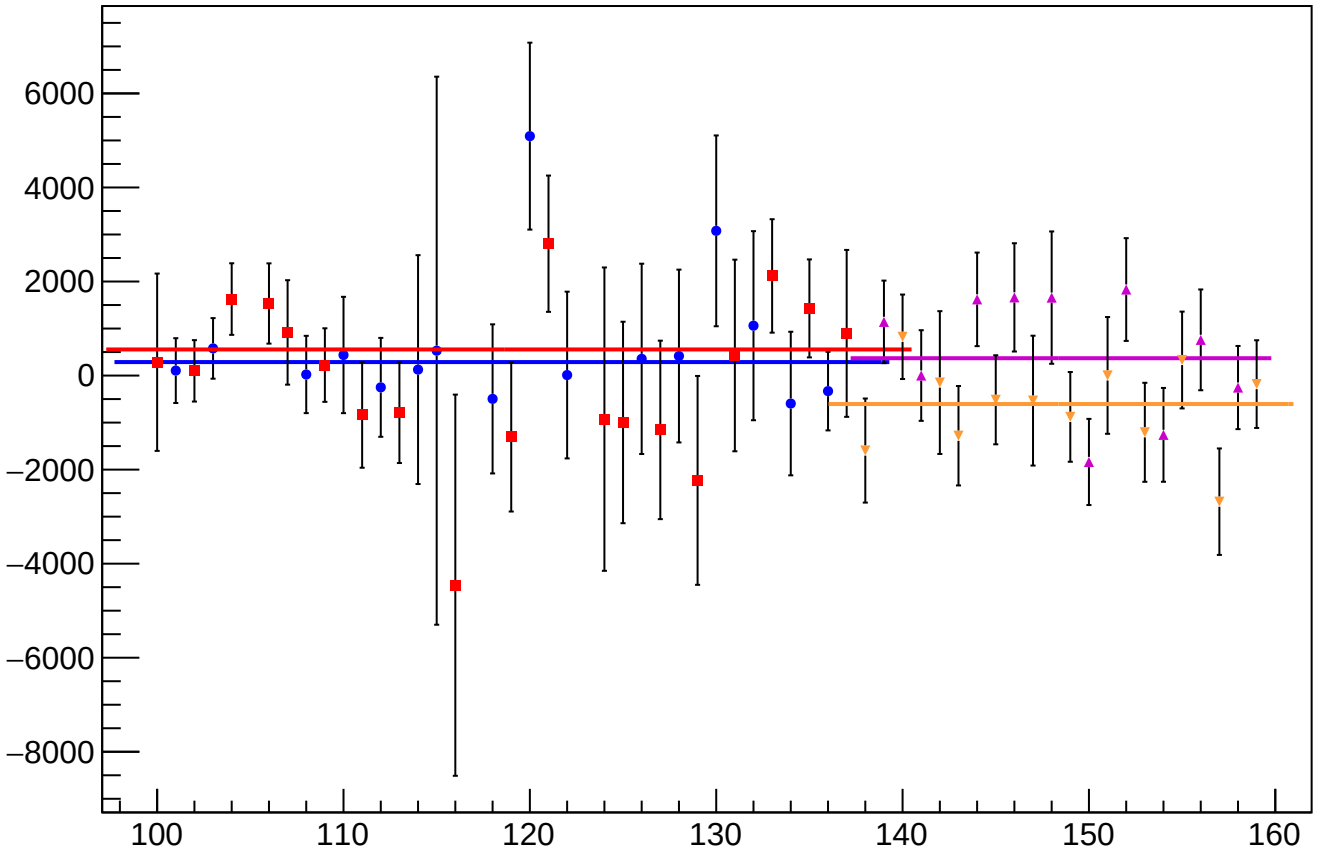
Left: 147.131+/-0.025 χ^2/NDF: 488620.7/21

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 121.813+/-0.022 χ^2/NDF:2084404.8/25

Out: 117.505+/-0.021 χ^2/NDF:2447026.7/30

All: 119.523+/-0.015 χ^2/NDF: 4551226.1/56



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -605.295+/-307.895 χ^2/NDF:8.9/11

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 368.967+/-318.996 χ^2/NDF:15.5/9

Left: -135.411+/-221.535 χ^2/NDF: 29.2/21

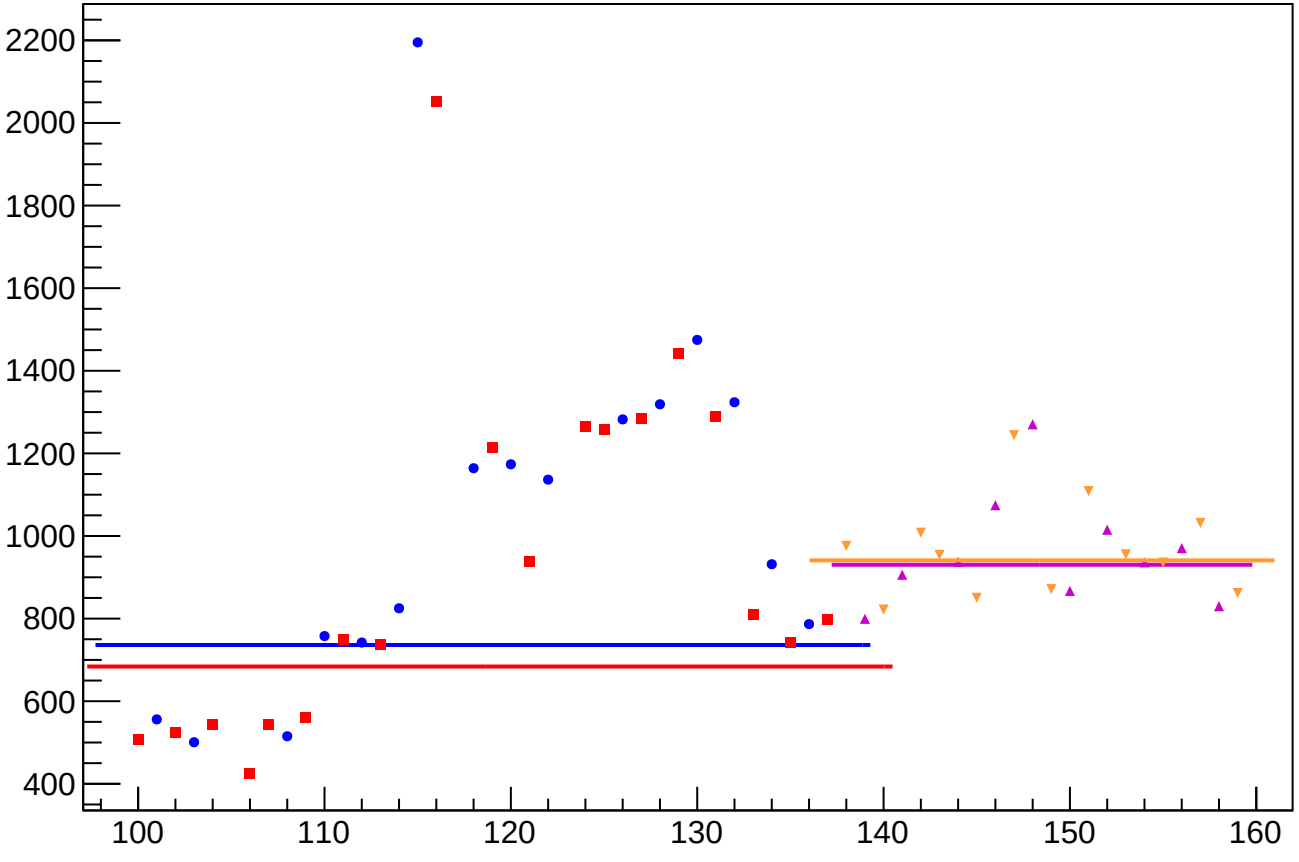
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 324.529+/-215.977 χ^2/NDF:25.2/25

Out: 50.957+/-202.982 χ^2/NDF:35.0/30

All: 179.266+/-147.911 χ^2/NDF: 61.0/56

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 940.986+/-0.218 χ^2/NDF:230935.1/11

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

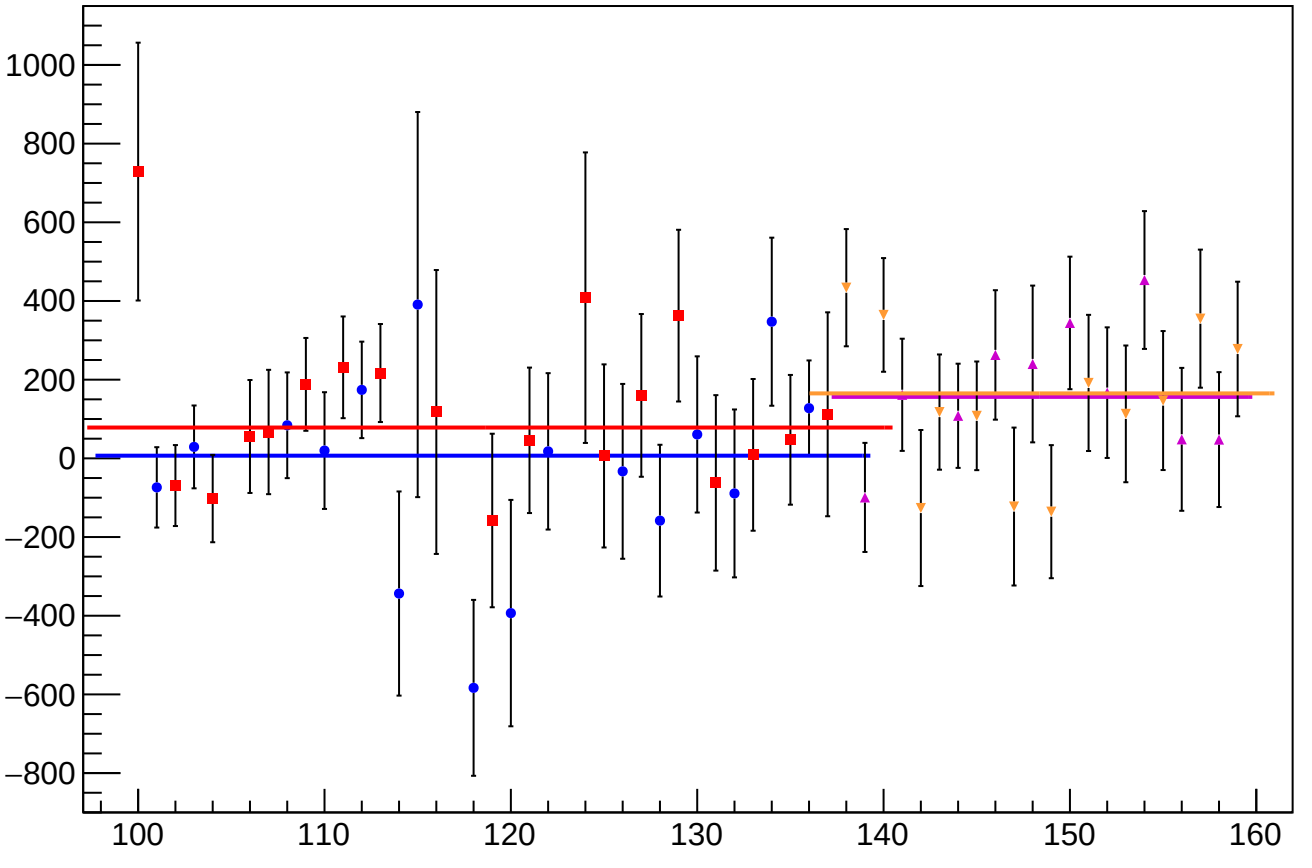
Left: 935.850+/-0.157 χ^2/NDF: 476400.4/21

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 825.130+/-0.153 χ^2/NDF:2490488.2/25

Out: 795.681+/-0.144 χ^2/NDF:2869199.6/30

All: 809.493+/-0.105 χ^2/NDF: 5379431.5/56



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 165.124+/-47.543 χ^2/NDF:14.5/11

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 156.266+/-50.711 χ^2/NDF:9.0/9

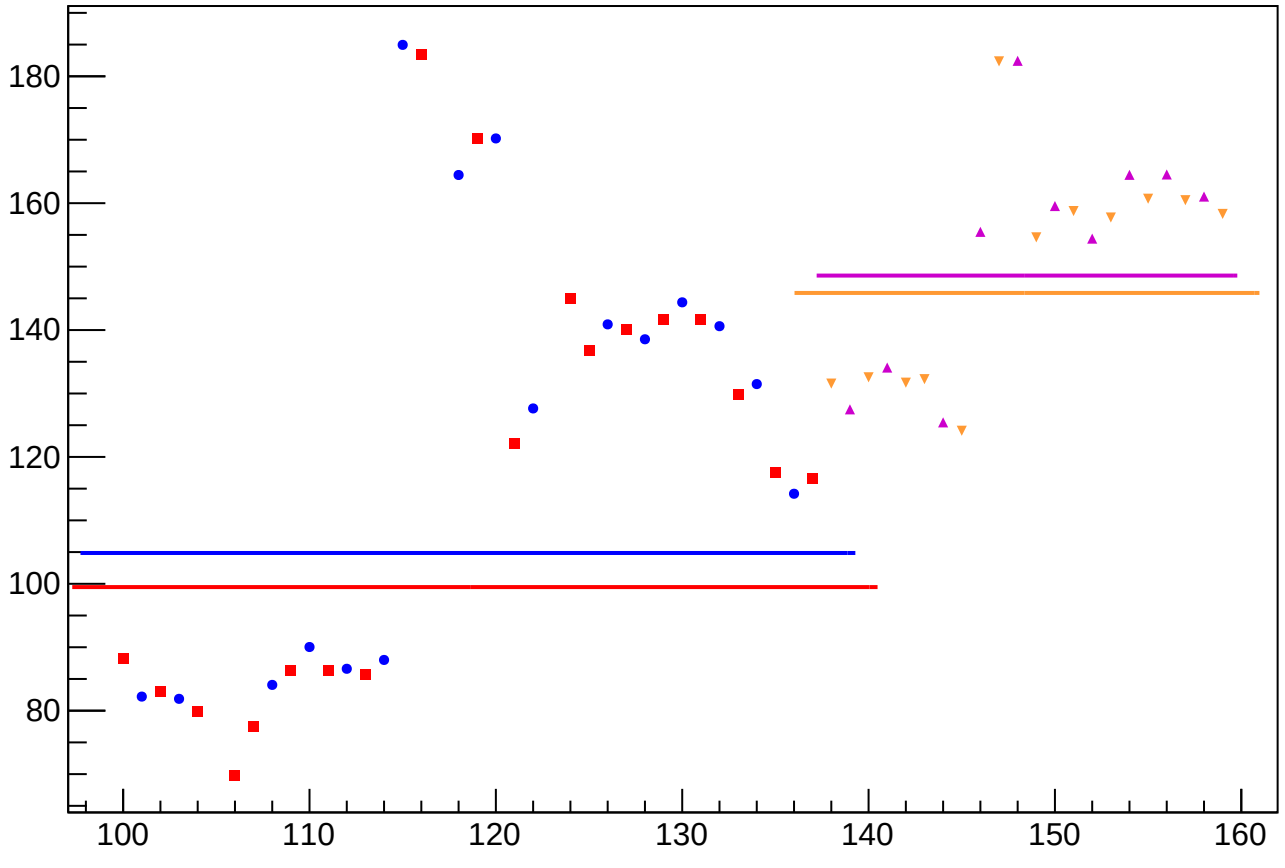
Left: 160.981+/-34.684 χ^2/NDF: 23.6/21

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 64.749+/-31.576 χ^2/NDF:33.1/25

Out: 112.075+/-29.640 χ^2/NDF:33.3/30

All: 89.907+/-21.611 χ^2/NDF: 67.6/56



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 145.851+/-0.034 χ^2/NDF:242889.5/11

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

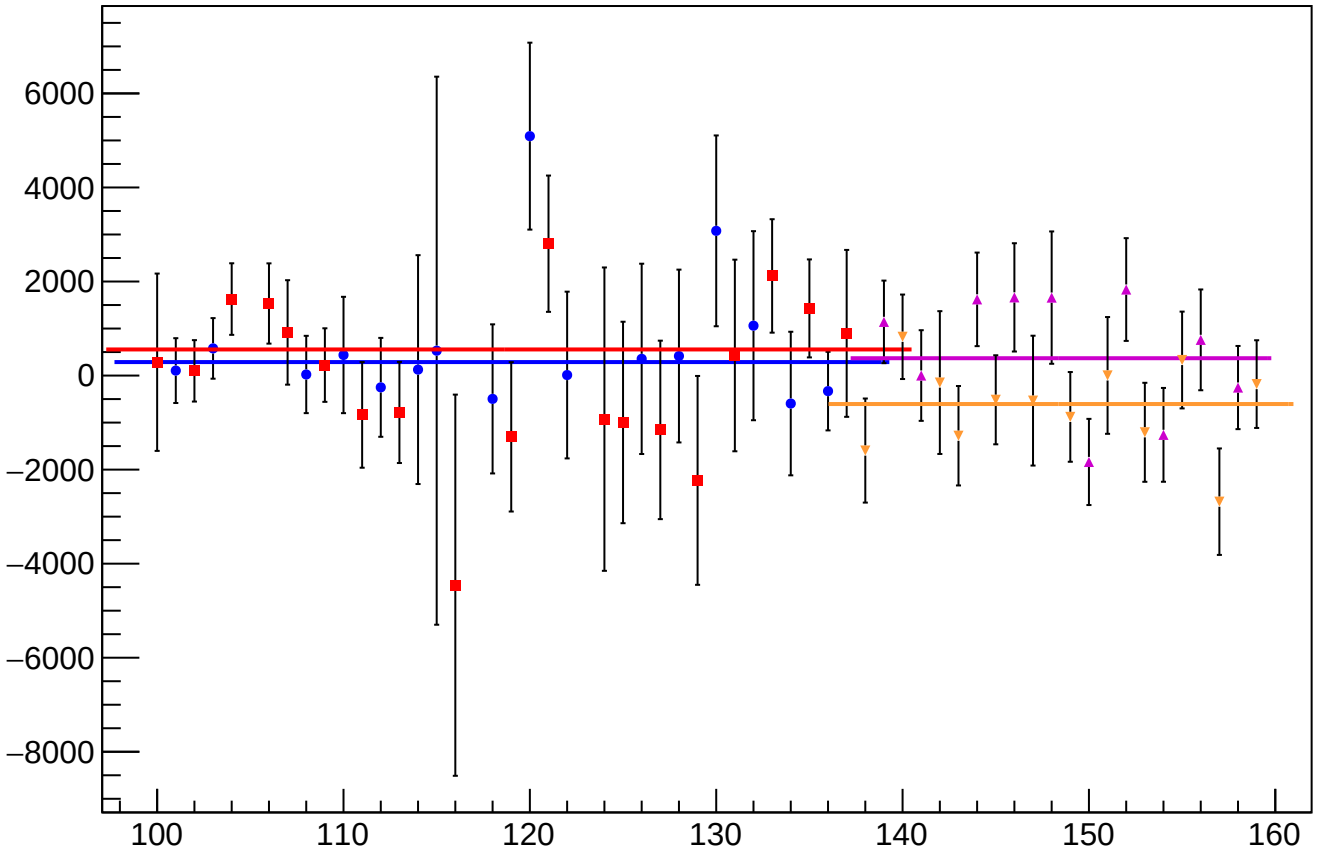
Left: 147.131+/-0.025 χ^2/NDF: 488620.7/21

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 121.813+/-0.022 χ^2/NDF:2084404.8/25

Out: 117.505+/-0.021 χ^2/NDF:2447026.7/30

All: 119.523+/-0.015 χ^2/NDF: 4551226.1/56



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -605.295+/-307.895 χ^2/NDF:8.9/11

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 368.967+/-318.996 χ^2/NDF:15.5/9

Left: -135.411+/-221.535 χ^2/NDF: 29.2/21

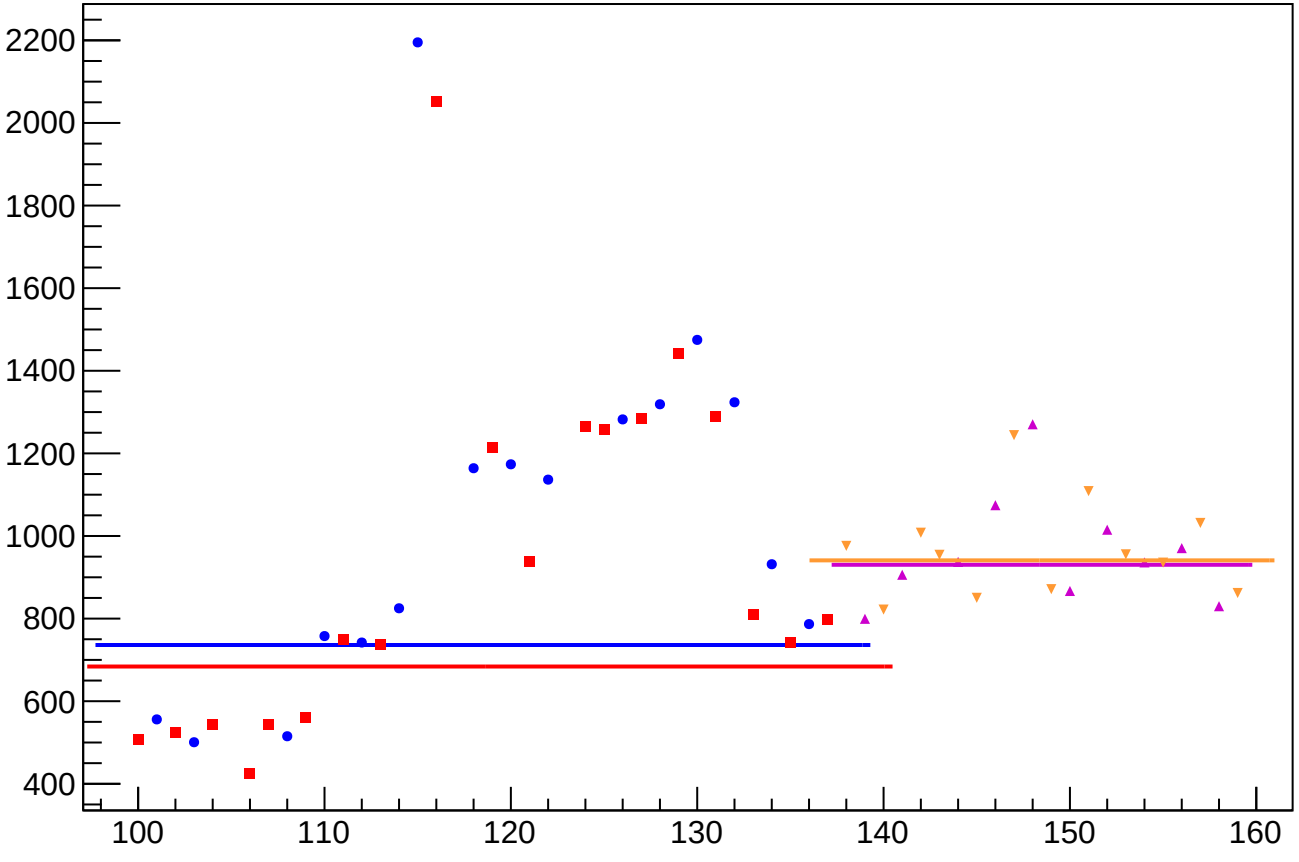
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 324.529+/-215.977 χ^2/NDF:25.2/25

Out: 50.957+/-202.982 χ^2/NDF:35.0/30

All: 179.266+/-147.911 χ^2/NDF: 61.0/56

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 940.986+/-0.218 χ^2/NDF:230935.1/11

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

Left: 935.850+/-0.157 χ^2/NDF: 476400.4/21

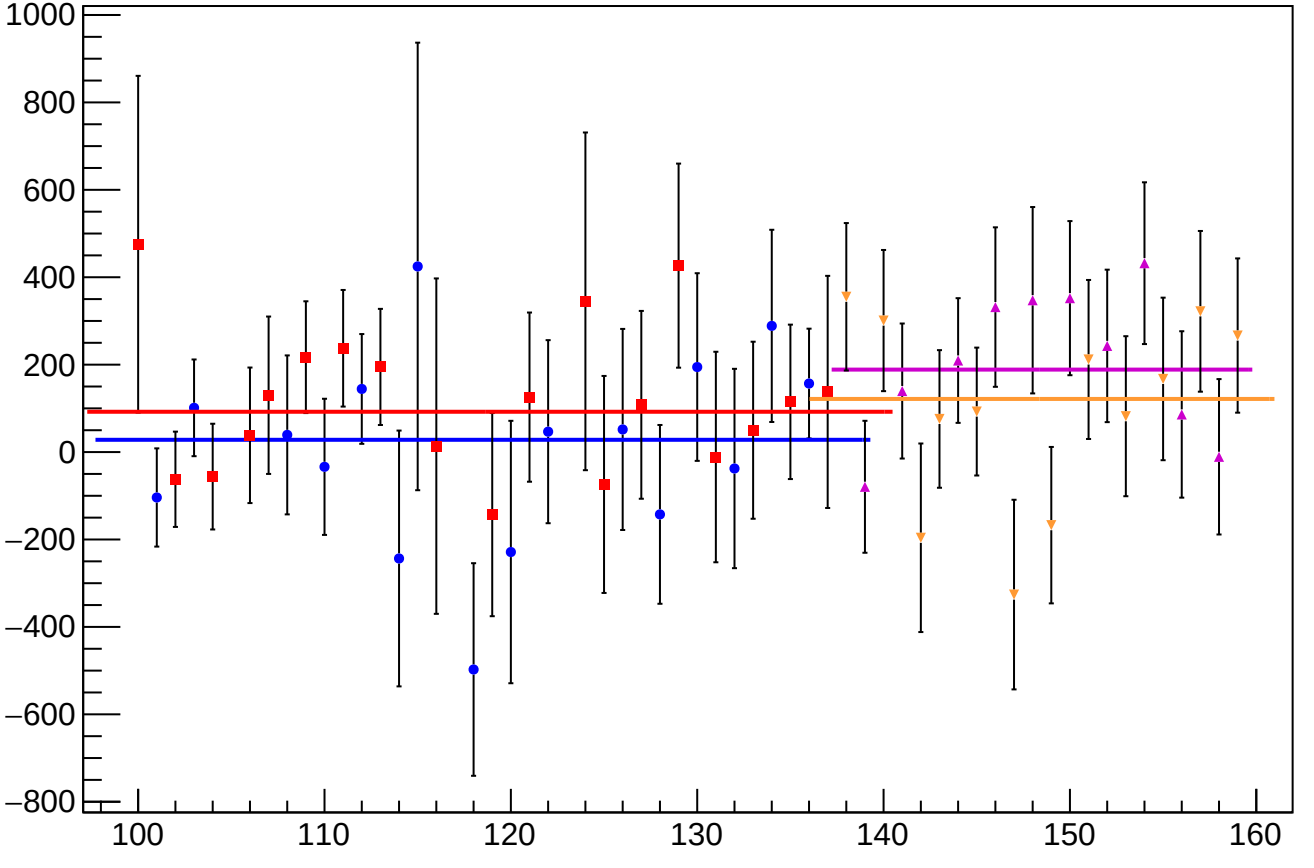
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 825.130+/-0.153 χ^2/NDF:2490488.2/25

Out: 795.681+/-0.144 χ^2/NDF:2869199.6/30

All: 809.493+/-0.105 χ^2/NDF: 5379431.5/56

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 121.572+/-50.950 χ^2/NDF:14.5/11

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 188.684+/-54.194 χ^2/NDF:8.7/9

Left: 153.059+/-37.121 χ^2/NDF: 24.0/21

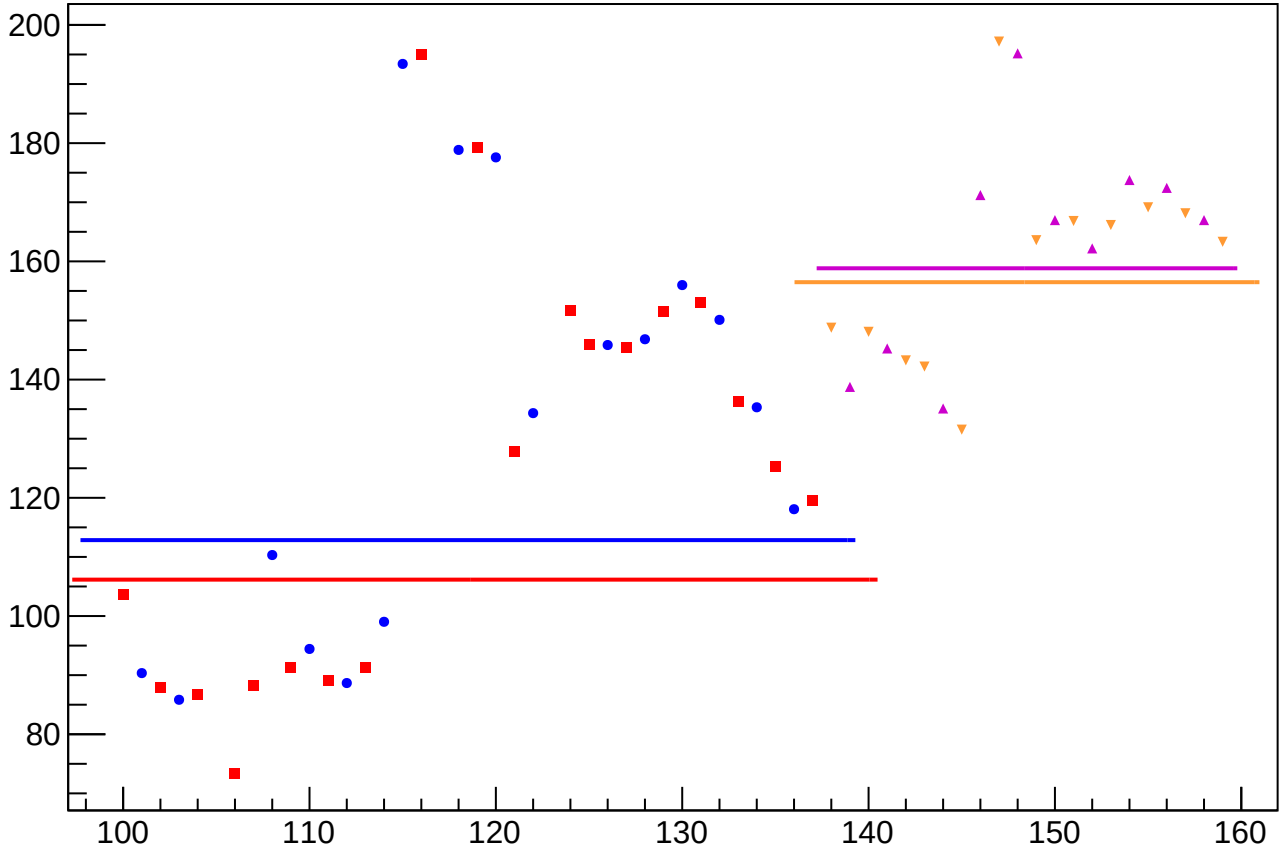
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 90.911+/-33.894 χ^2/NDF:27.6/25

Out: 103.615+/-31.723 χ^2/NDF:26.4/30

All: 97.683+/-23.161 χ^2/NDF: 54.1/56

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 156.479+/-0.036 χ^2/NDF:197651.0/11

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 158.830+/-0.038 χ^2/NDF:205924.8/9

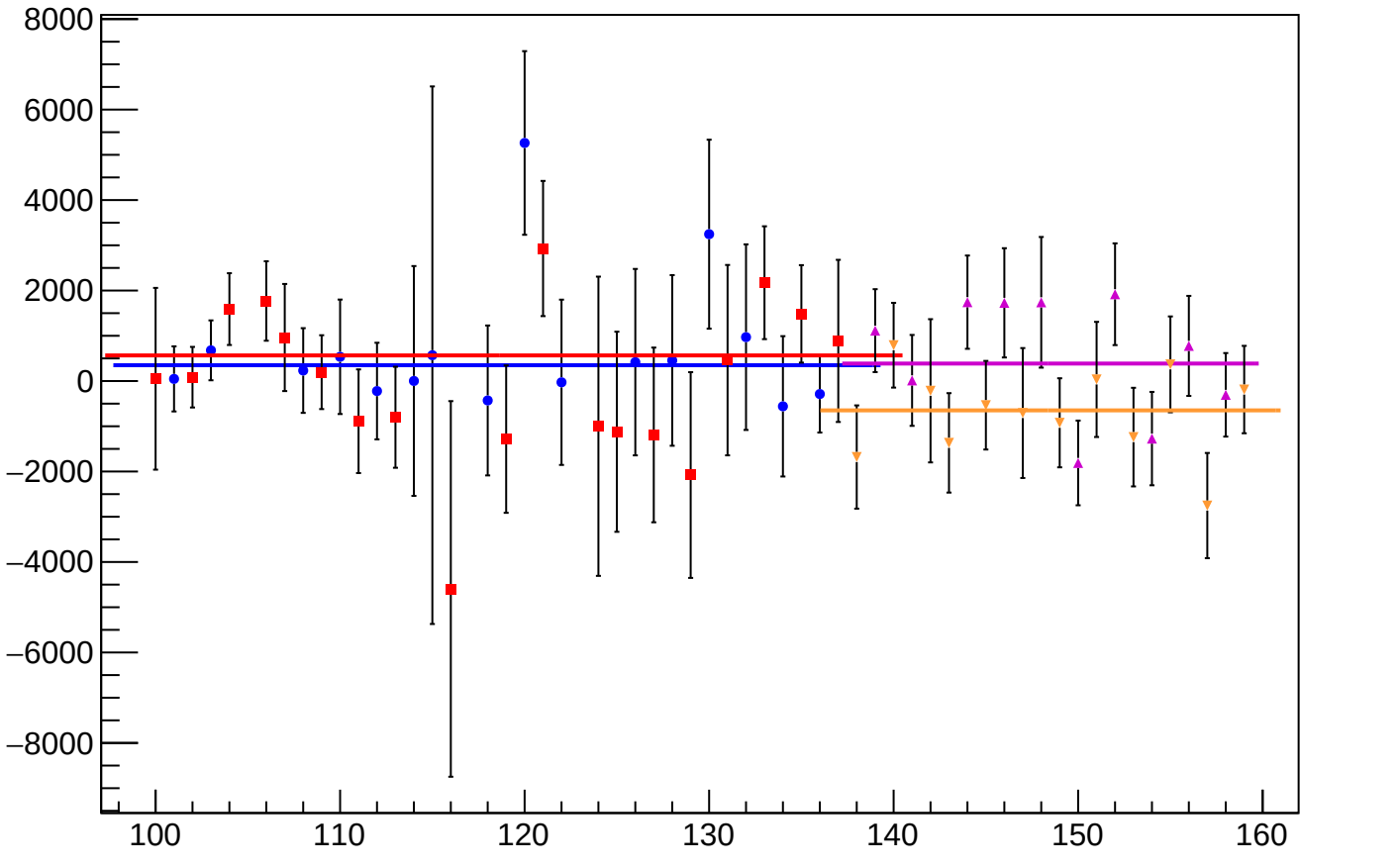
Left: 157.582+/-0.026 χ^2/NDF: 405573.0/21

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 130.831+/-0.024 χ^2/NDF:1954961.6/25

Out: 125.666+/-0.022 χ^2/NDF:2394413.1/30

All: 128.078+/-0.016 χ^2/NDF: 4374134.7/56



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -648.513+/-318.542 χ^2/NDF:8.8/11

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 386.205+/-330.576 χ^2/NDF:15.2/9

Left: -150.331+/-229.380 χ^2/NDF: 29.1/21

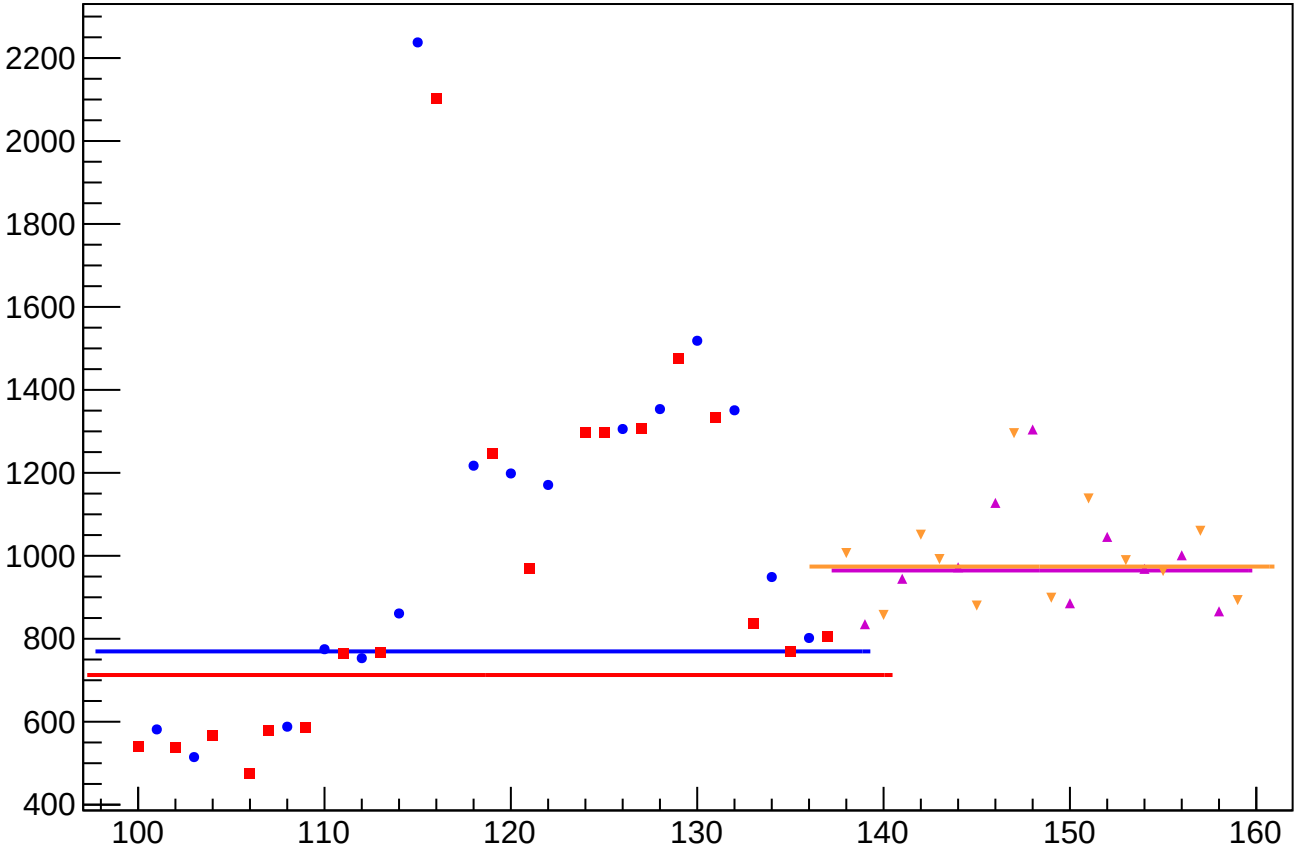
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 366.188+/-224.295 χ^2/NDF:25.1/25

Out: 38.310+/-209.972 χ^2/NDF:35.3/30

All: 191.447+/-153.286 χ^2/NDF: 61.5/56

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 974.071+/-0.225 χ^2/NDF:227170.7/11

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 964.662+/-0.234 χ^2/NDF:237664.4/9

Left: 969.541+/-0.162 χ^2/NDF: 465675.2/21

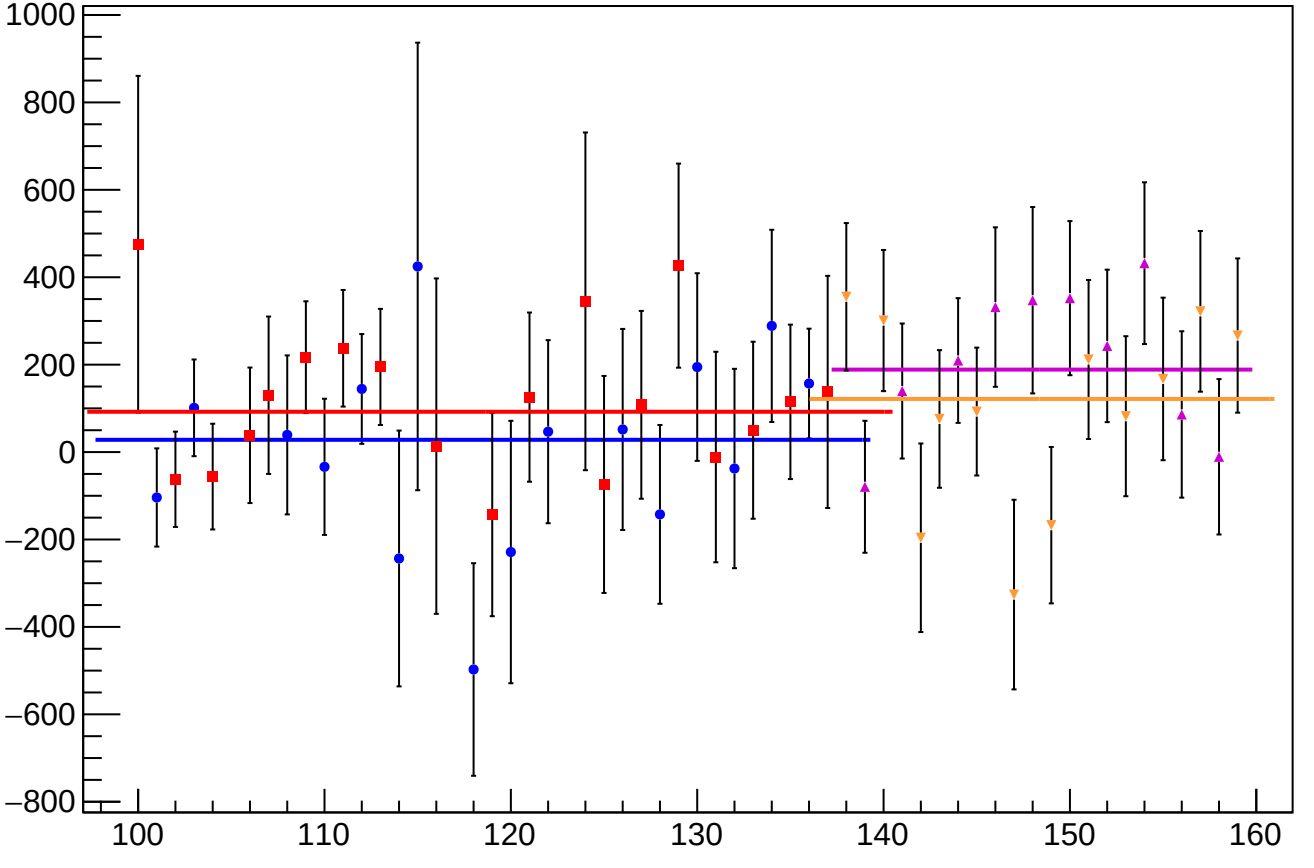
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 859.375+/-0.159 χ^2/NDF:2353550.6/25

Out: 826.225+/-0.148 χ^2/NDF:2756272.2/30

All: 841.708+/-0.108 χ^2/NDF: 5133106.5/56

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 121.571+/-50.950 χ^2/NDF:14.5/11

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 188.685+/-54.194 χ^2/NDF:8.7/9

Left: 153.060+/-37.121 χ^2/NDF: 24.0/21

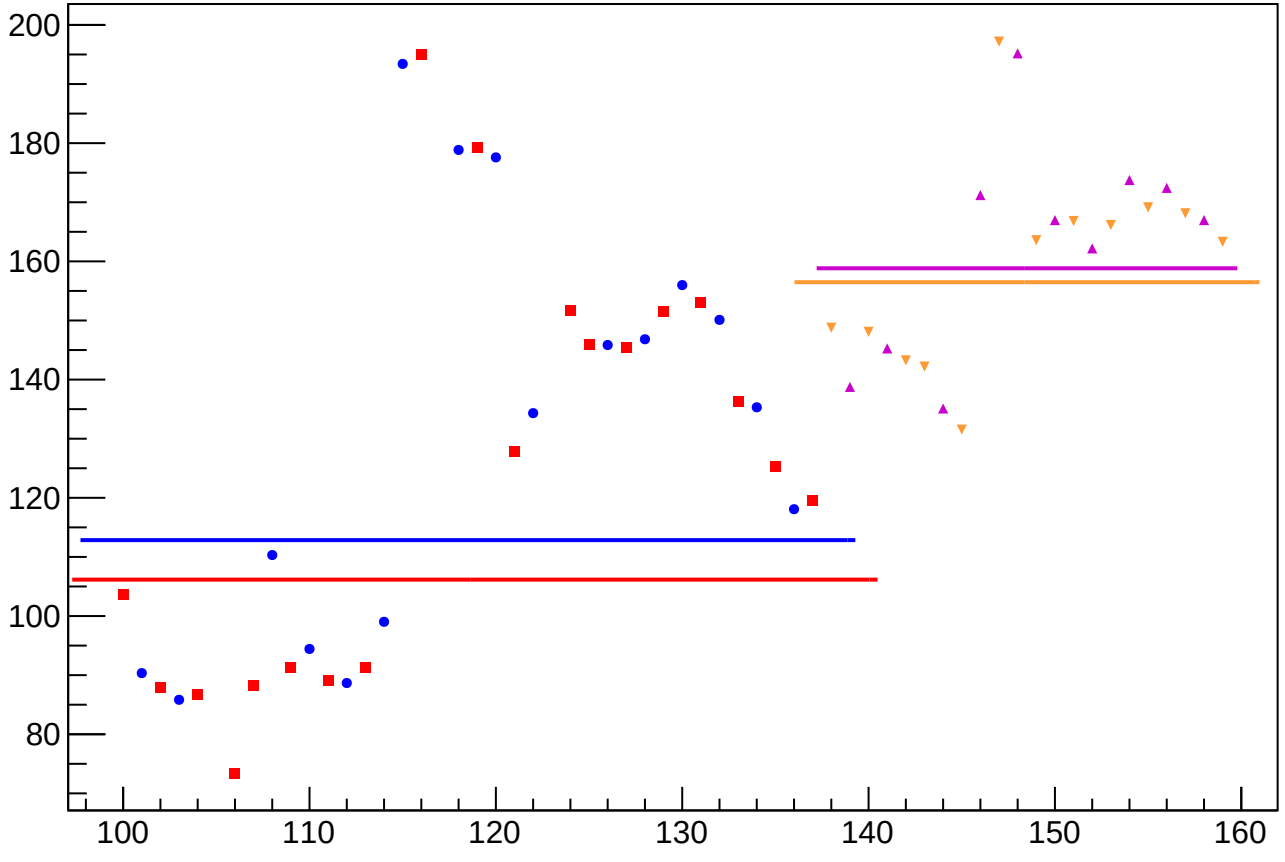
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 90.910+/-33.894 χ^2/NDF:27.6/25

Out: 103.615+/-31.723 χ^2/NDF:26.4/30

All: 97.683+/-23.161 χ^2/NDF: 54.1/56

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 156.479+/-0.036 χ^2/NDF:197652.9/11

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 158.830+/-0.038 χ^2/NDF:205922.7/9

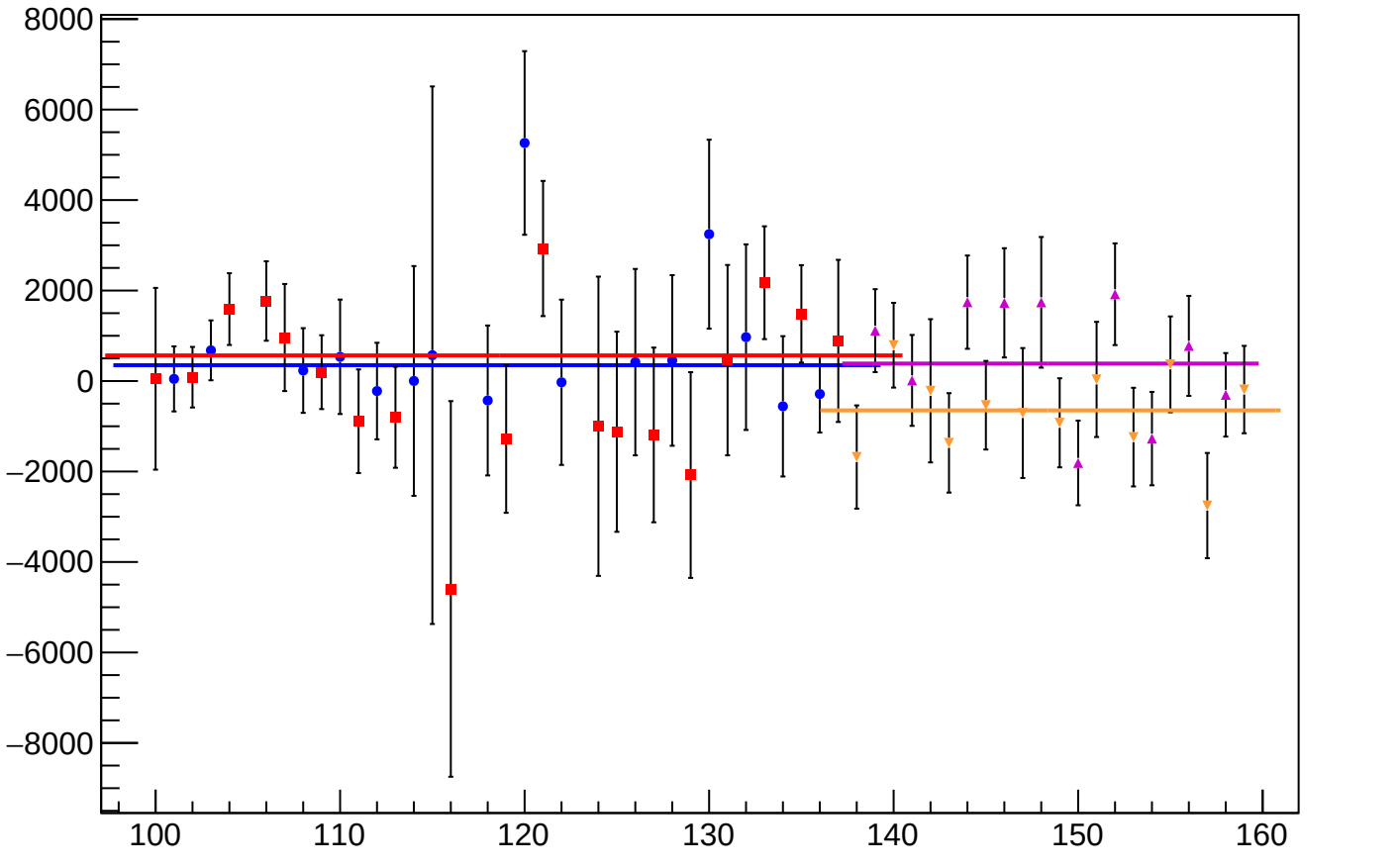
Left: 157.582+/-0.026 χ^2/NDF: 405573.1/21

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 130.831+/-0.024 χ^2/NDF:1954979.4/25

Out: 125.666+/-0.022 χ^2/NDF:2394425.4/30

All: 128.078+/-0.016 χ^2/NDF: 4374164.8/56



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -648.513+/-318.542 χ^2/NDF:8.8/11

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 386.207+/-330.577 χ^2/NDF:15.2/9

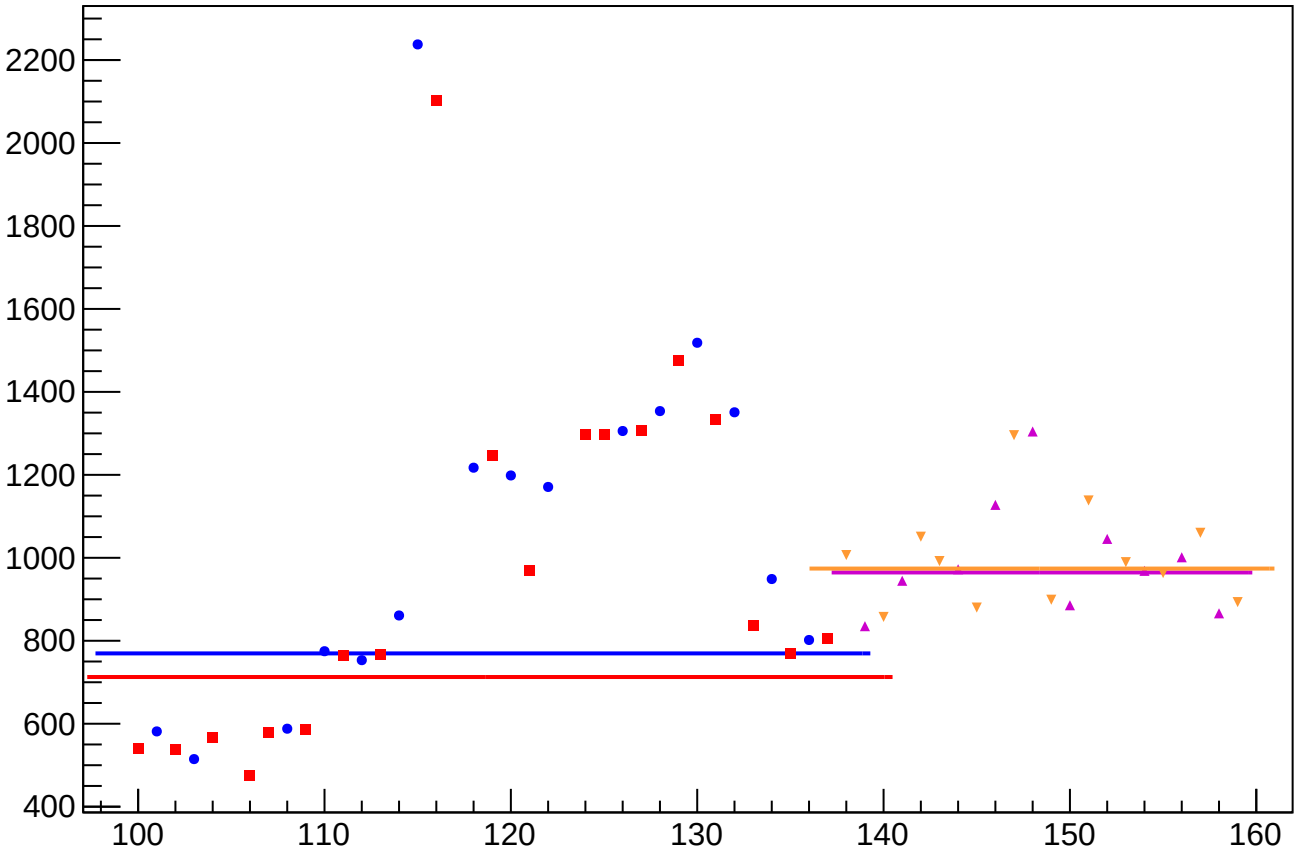
Left: -150.330+/-229.380 χ^2/NDF: 29.1/21

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 366.188+/-224.295 χ^2/NDF:25.1/25

Out: 38.312+/-209.972 χ^2/NDF:35.3/30

All: 191.448+/-153.286 χ^2/NDF: 61.5/56



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 974.073+/-0.225 χ^2/NDF:227171.9/11

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 964.664+/-0.234 χ^2/NDF:237665.8/9

Left: 969.543+/-0.162 χ^2/NDF: 465677.8/21

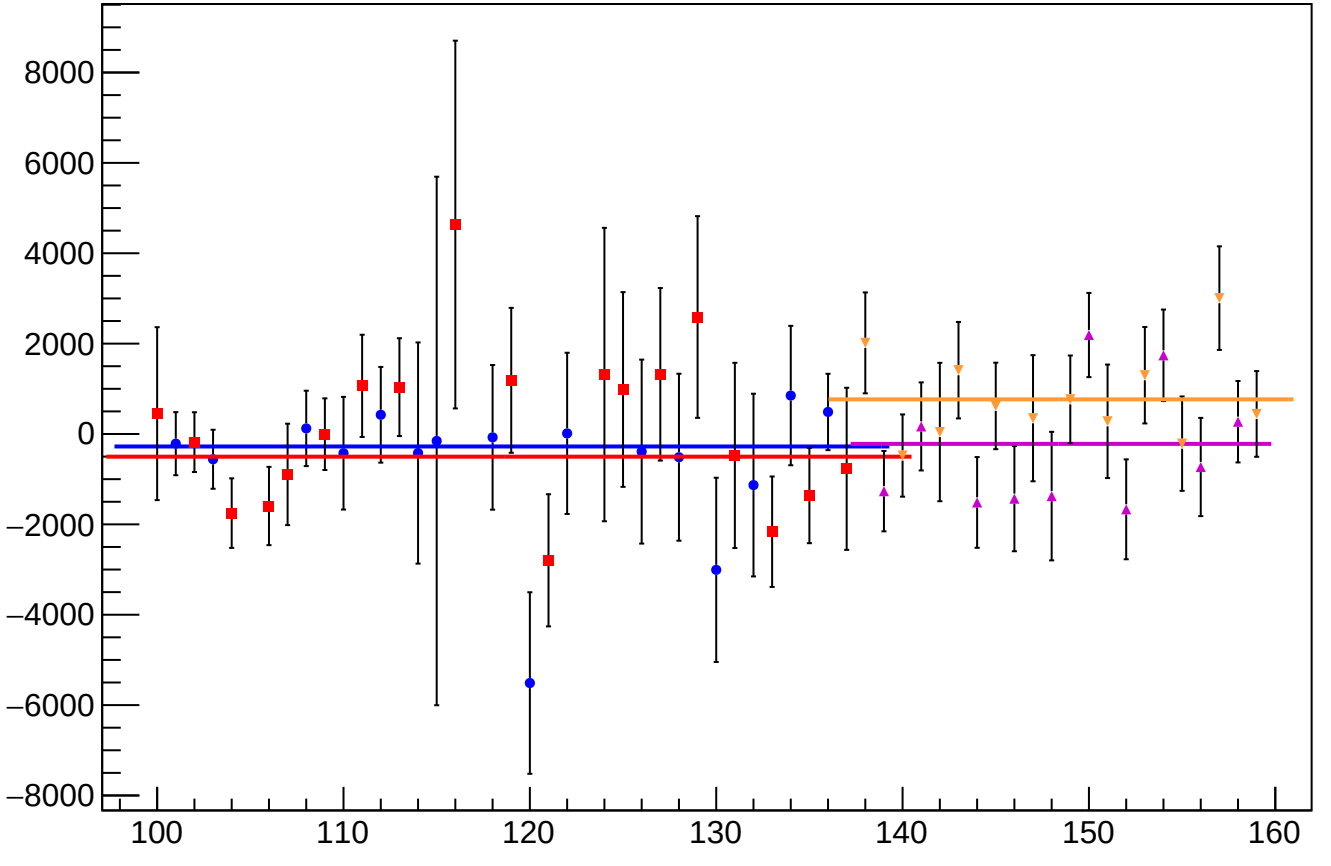
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 859.375+/-0.159 χ^2/NDF:2353560.1/25

Out: 826.225+/-0.148 χ^2/NDF:2756282.9/30

All: 841.708+/-0.108 χ^2/NDF: 5133126.8/56

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 766.197+/-311.792 χ^2/NDF:9.0/11

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -218.694+/-323.333 χ^2/NDF:17.6/9

Left: 291.642+/-224.439 χ^2/NDF: 31.5/21

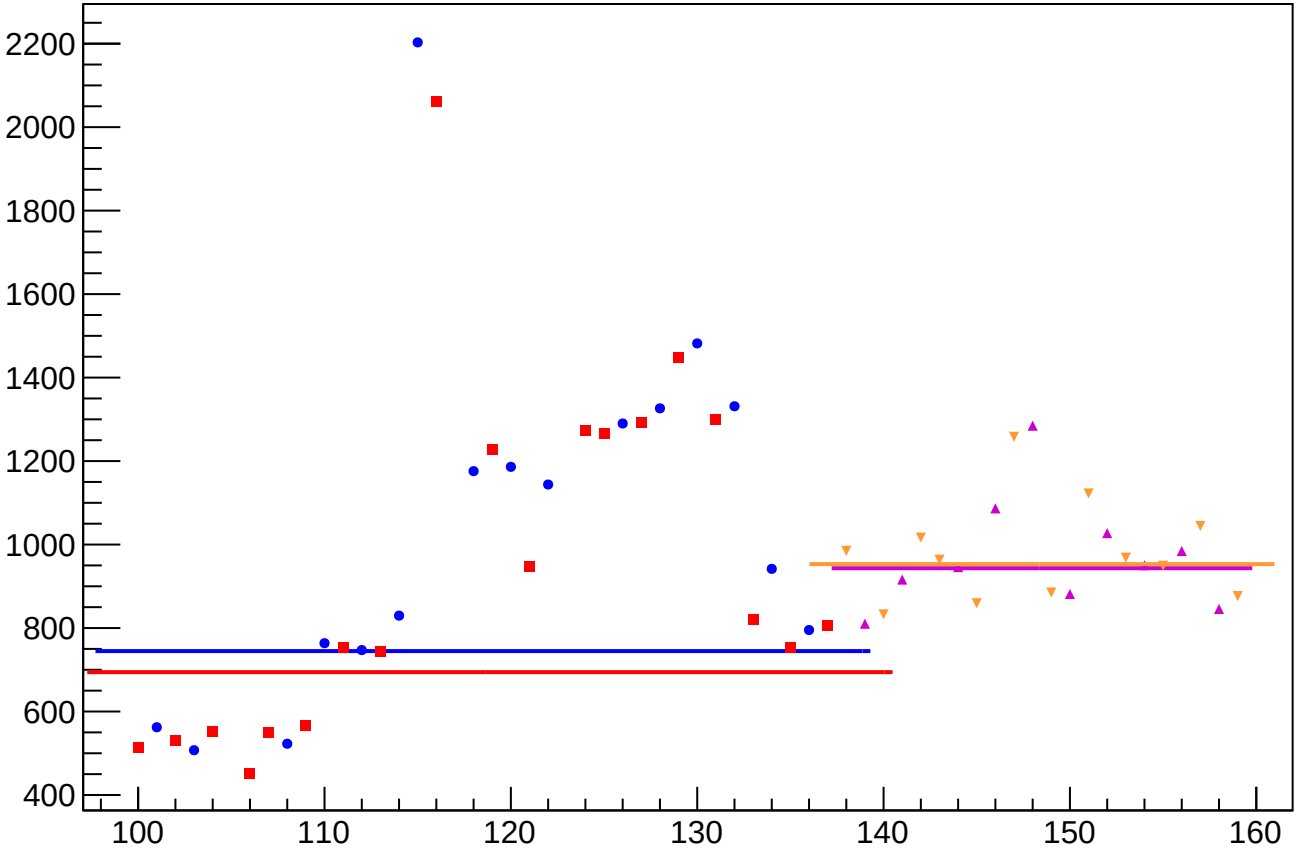
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -249.911+/-218.612 χ^2/NDF:28.7/25

Out: 48.329+/-205.390 χ^2/NDF:38.9/30

All: -91.500+/-149.689 χ^2/NDF: 68.6/56

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 953.151+/-0.220 χ^2/NDF:227423.5/11

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 943.309+/-0.229 χ^2/NDF:238667.1/9

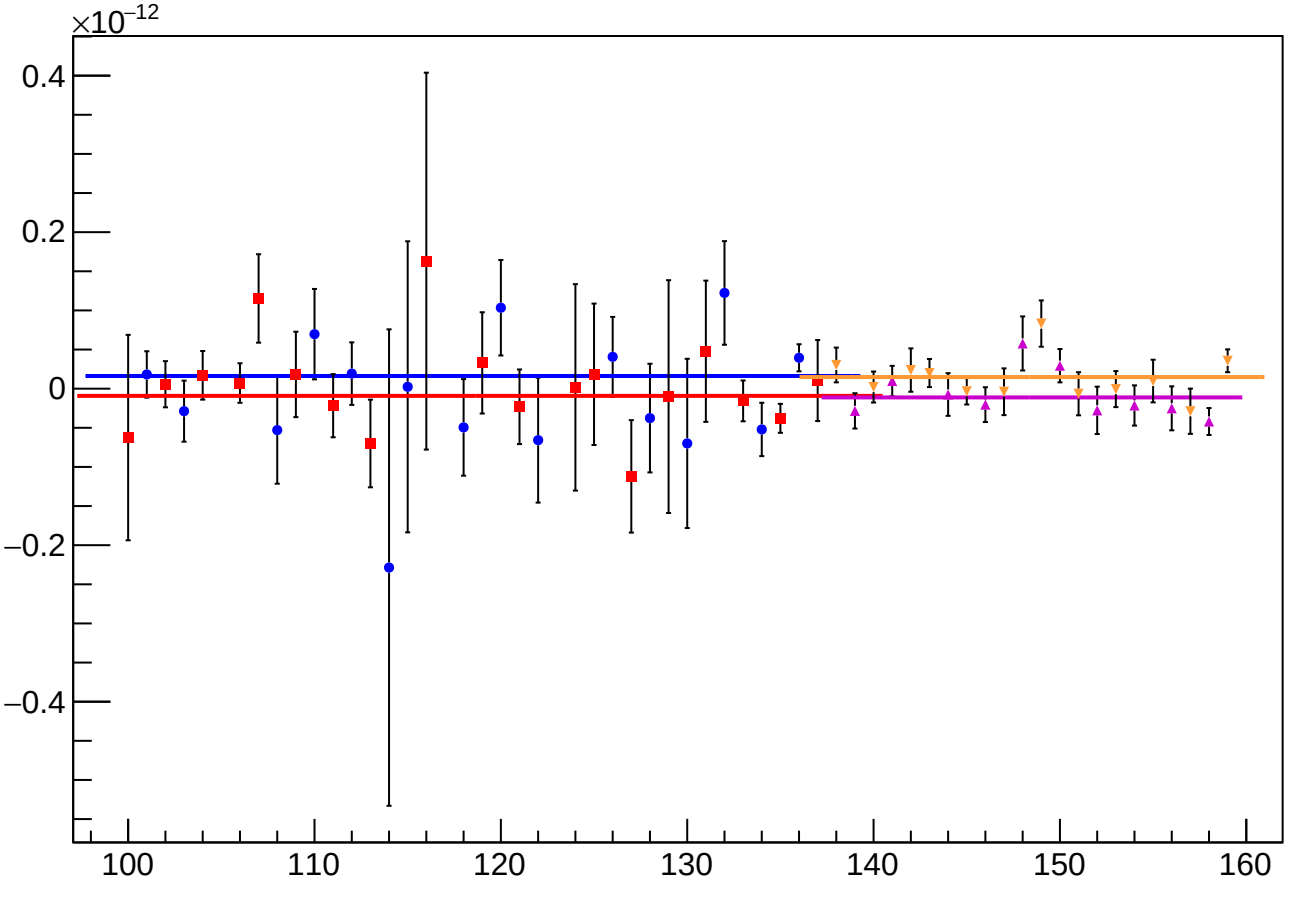
Left: 948.409+/-0.159 χ^2/NDF: 467050.8/21

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 835.537+/-0.155 χ^2/NDF:2470534.1/25

Out: 806.653+/-0.145 χ^2/NDF:2811177.5/30

All: 820.195+/-0.106 χ^2/NDF: 5300256.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/9

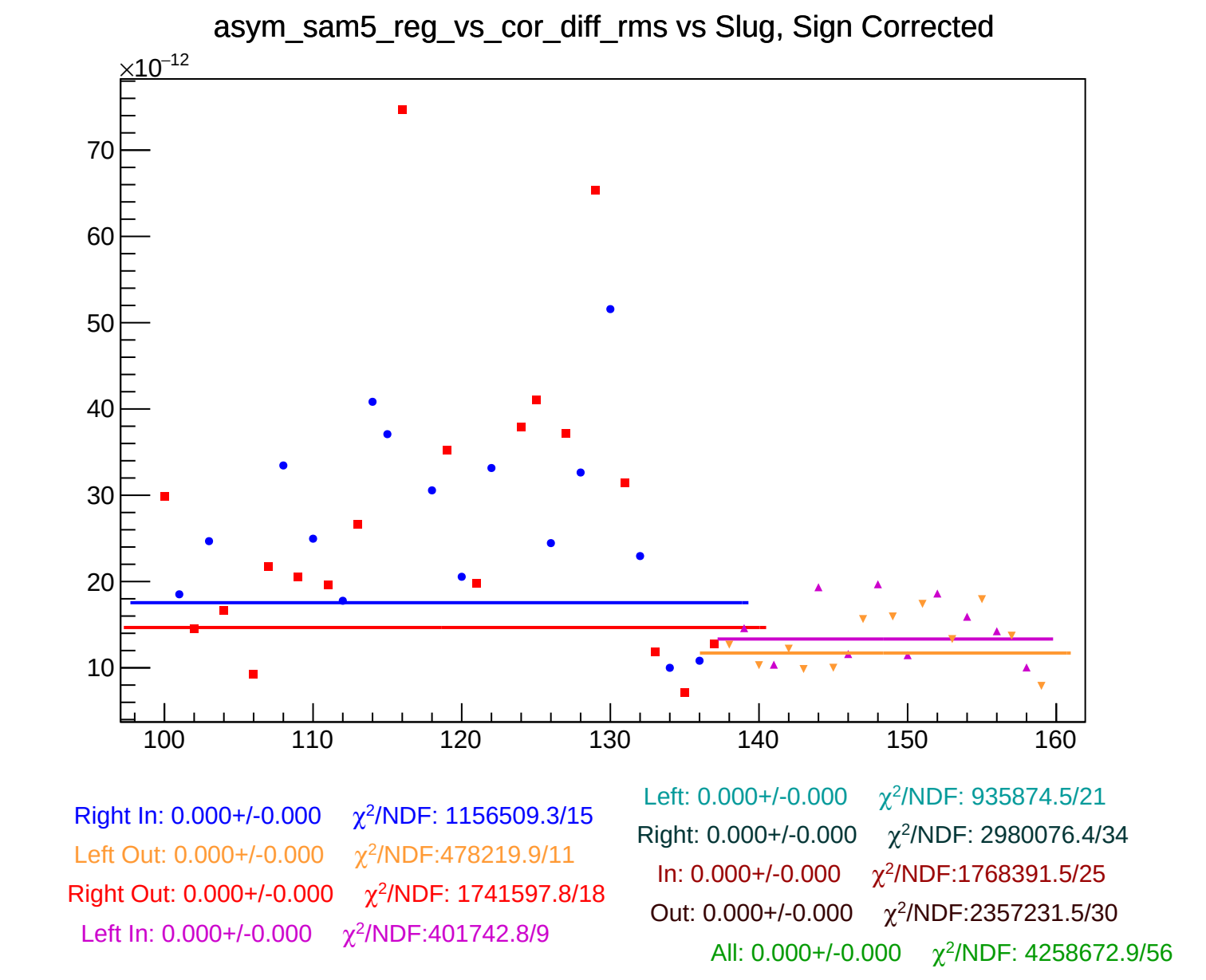
Left: 0.000+/-0.000 χ^2/NDF: 34.0/21

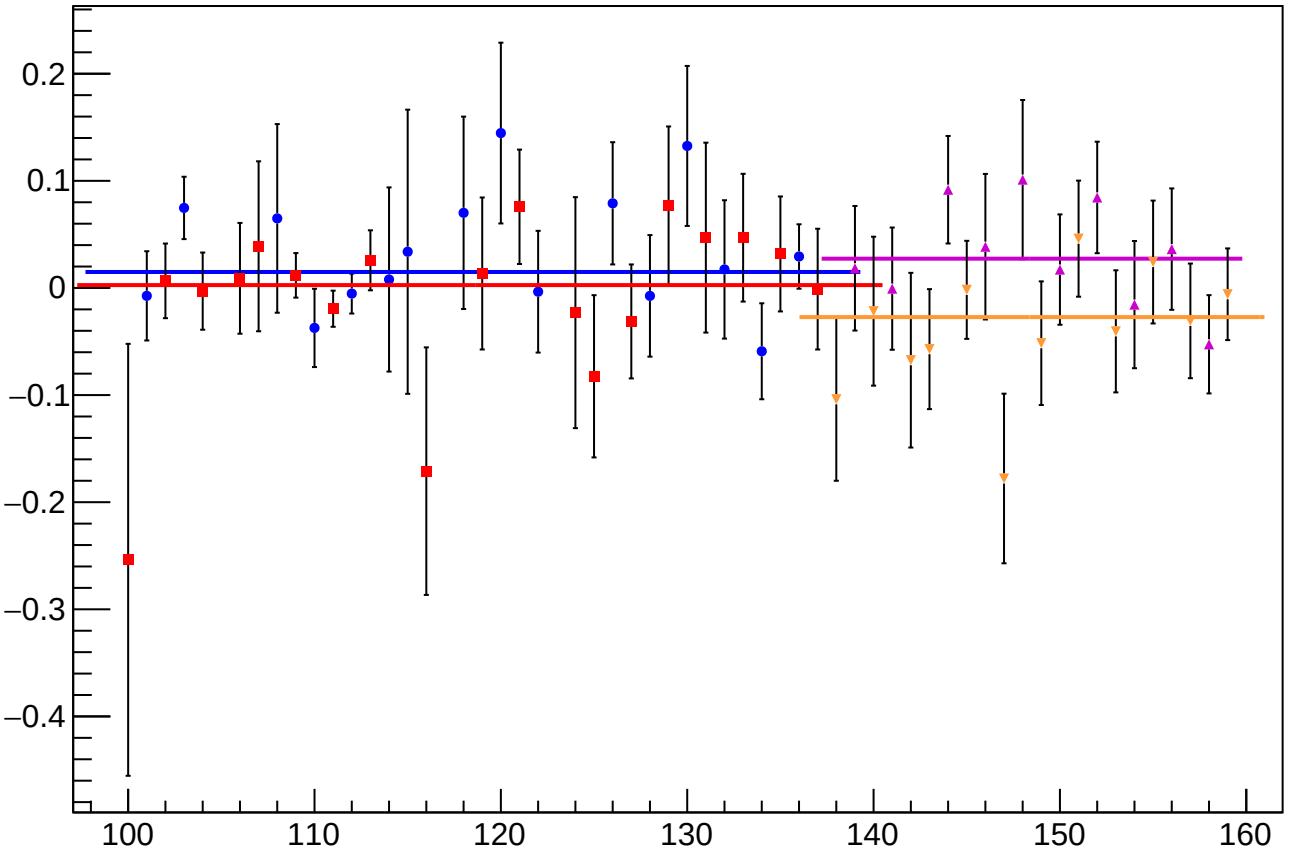
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:35.8/25

Out: 0.000+/-0.000 χ^2/NDF:32.0/30

All: 0.000+/-0.000 χ^2/NDF: 69.3/56


asym_sam5_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
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:478219.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:401742.8/9
Left: 0.000+/-0.000 χ²/NDF: 935874.5/21
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1768391.5/25
Out: 0.000+/-0.000 χ²/NDF:2357231.5/30
All: 0.000+/-0.000 χ²/NDF: 4258672.9/56



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.027+/-0.017 χ^2/NDF:8.6/11

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

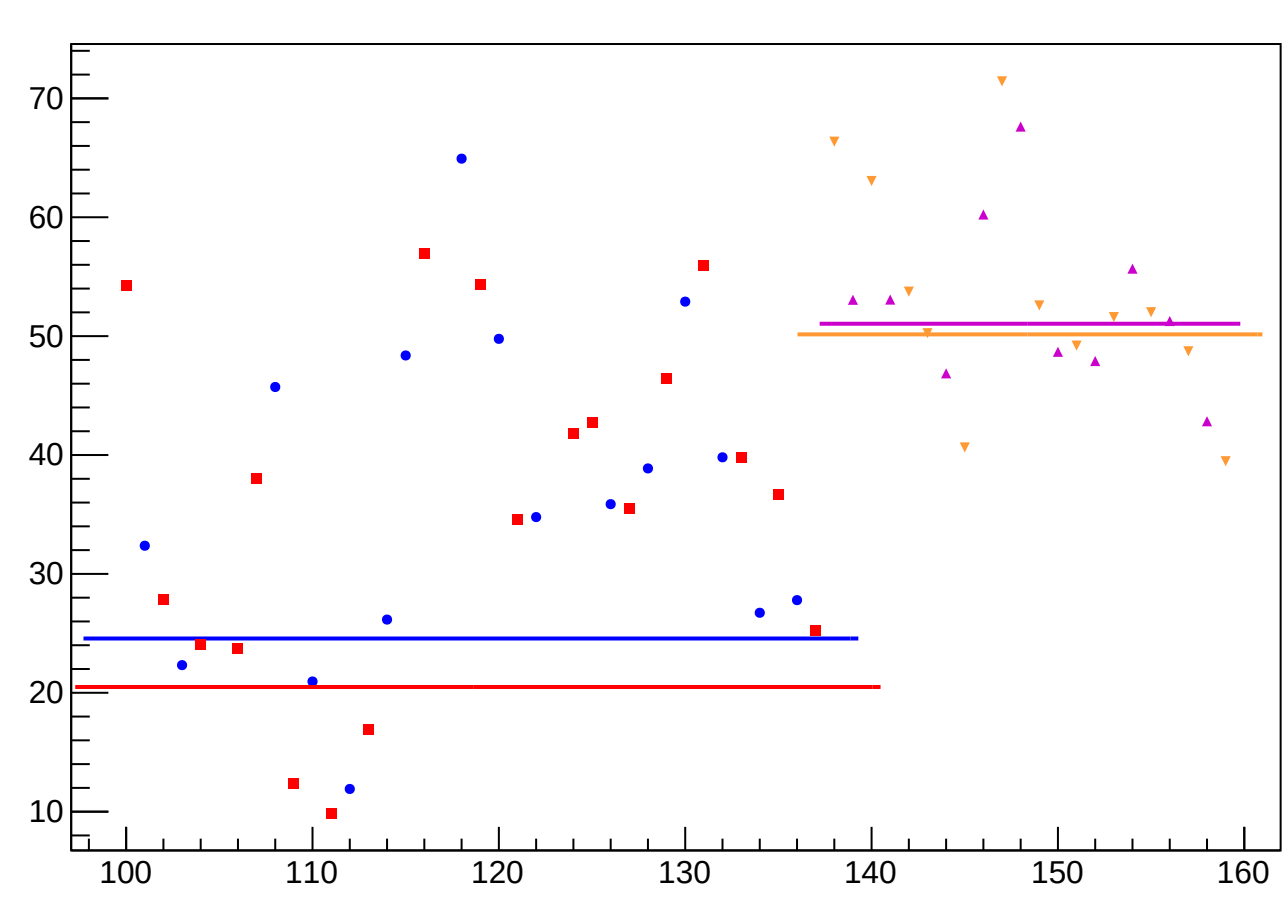
Left: -0.002+/-0.012 χ^2/NDF: 21.4/21

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.006+/-0.006 χ^2/NDF: 52.9/56



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.148+/-0.012 χ^2/NDF:527724.7/11

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

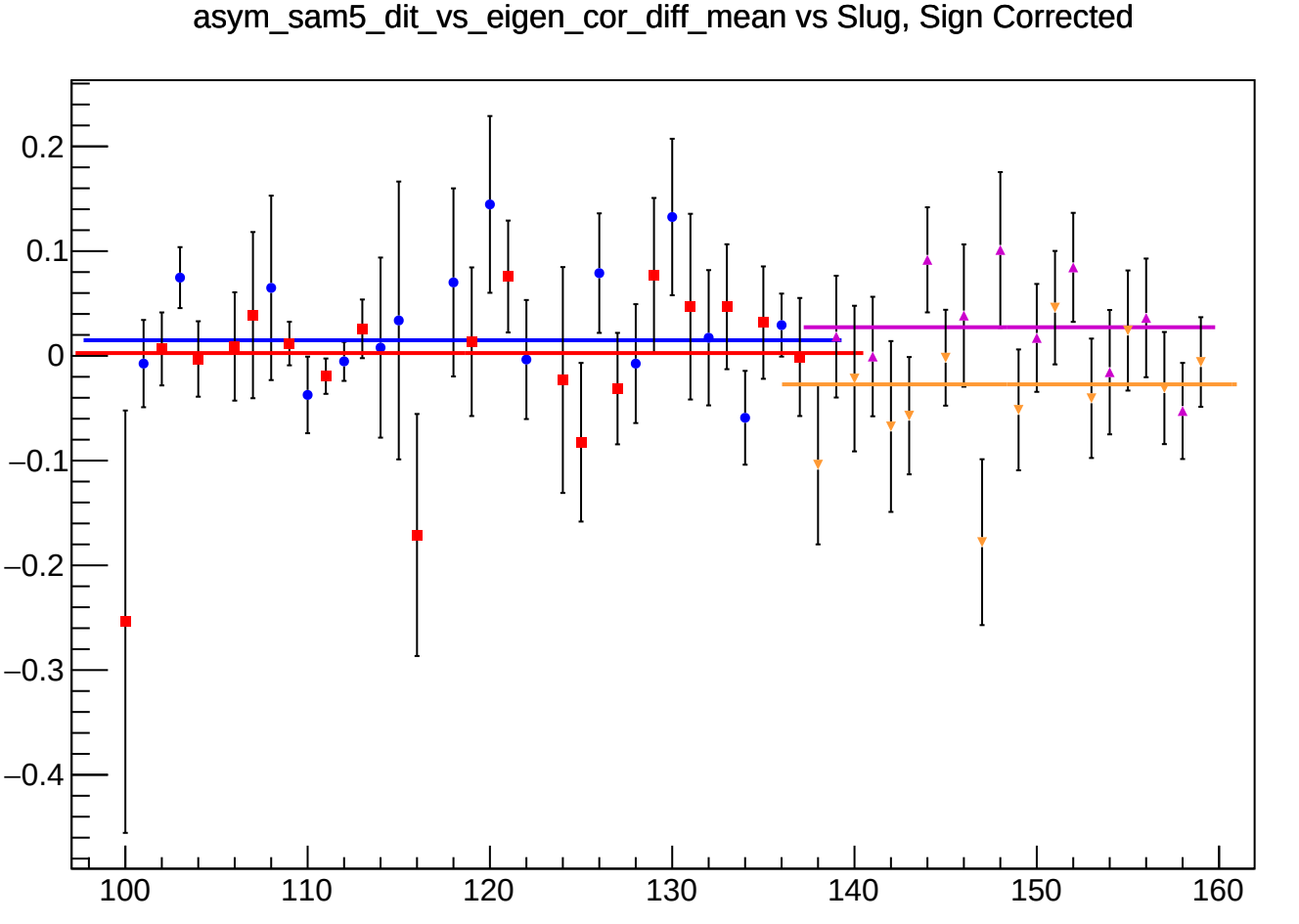
Left: 50.568+/-0.009 χ^2/NDF: 772981.3/21

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.578+/-0.006 χ^2/NDF:6039568.7/25

Out: 27.494+/-0.006 χ^2/NDF:8994190.0/30

All: 29.295+/-0.004 χ^2/NDF: 15260034.0/56



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.027+/-0.017 χ^2/NDF:8.6/11

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

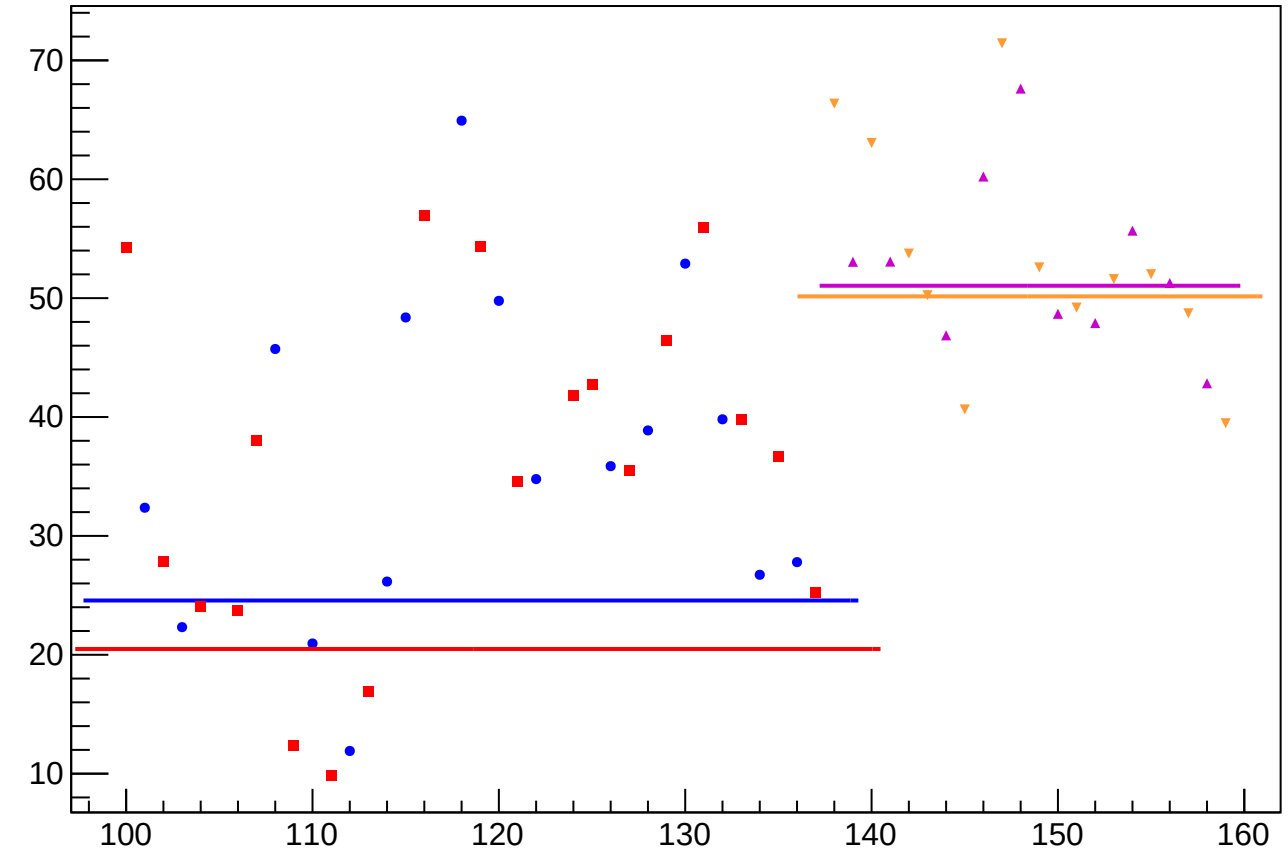
Left: -0.002+/-0.012 χ^2/NDF: 21.4/21

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.006+/-0.006 χ^2/NDF: 52.9/56



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.148+/-0.012 χ^2/NDF:527724.7/11

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

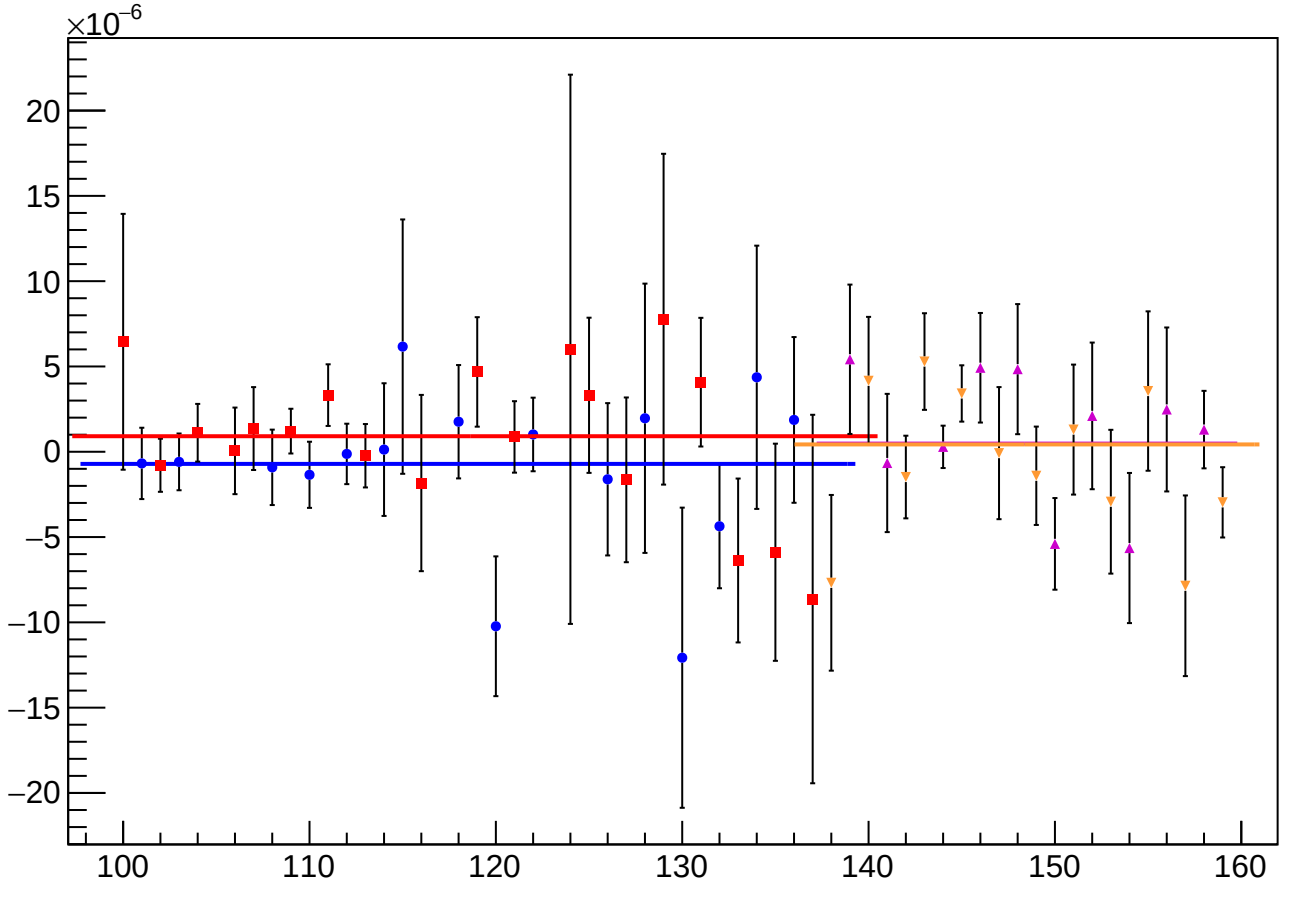
Left: 50.568+/-0.009 χ^2/NDF: 772981.3/21

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.578+/-0.006 χ^2/NDF:6039568.7/25

Out: 27.494+/-0.006 χ^2/NDF:8994190.0/30

All: 29.295+/-0.004 χ^2/NDF: 15260034.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

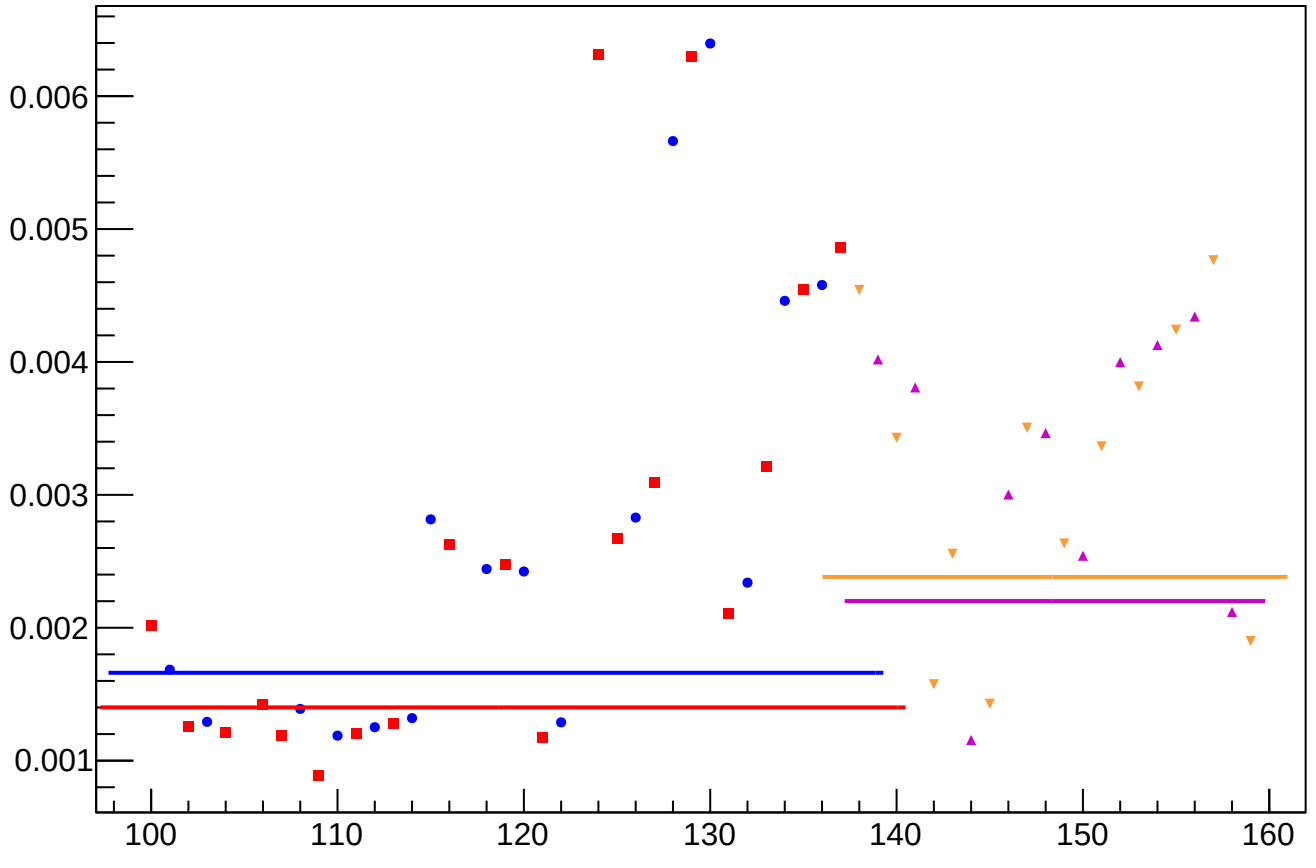
Left: 0.000+/-0.000 χ^2/NDF: 28.8/21

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:24.2/25

Out: 0.000+/-0.000 χ^2/NDF:29.1/30

All: 0.000+/-0.000 χ^2/NDF: 55.2/56



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2785585.7/11

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:3586137.0/9

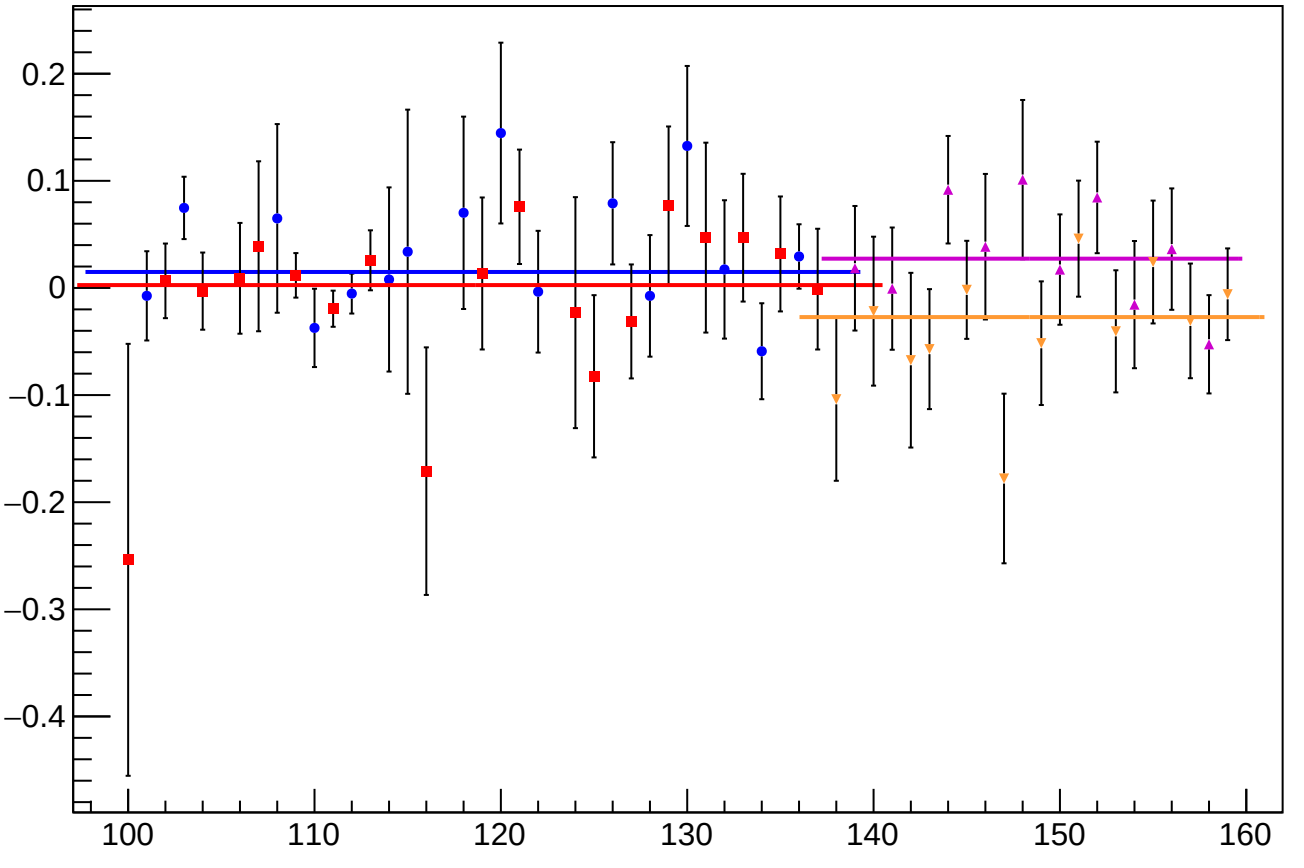
Left: 0.002+/-0.000 χ^2/NDF: 6417935.8/21

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7014163.7/25

Out: 0.002+/-0.000 χ^2/NDF:7521222.4/30

All: 0.002+/-0.000 χ^2/NDF: 14634630.4/56



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.027+/-0.017 χ^2/NDF:8.6/11

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

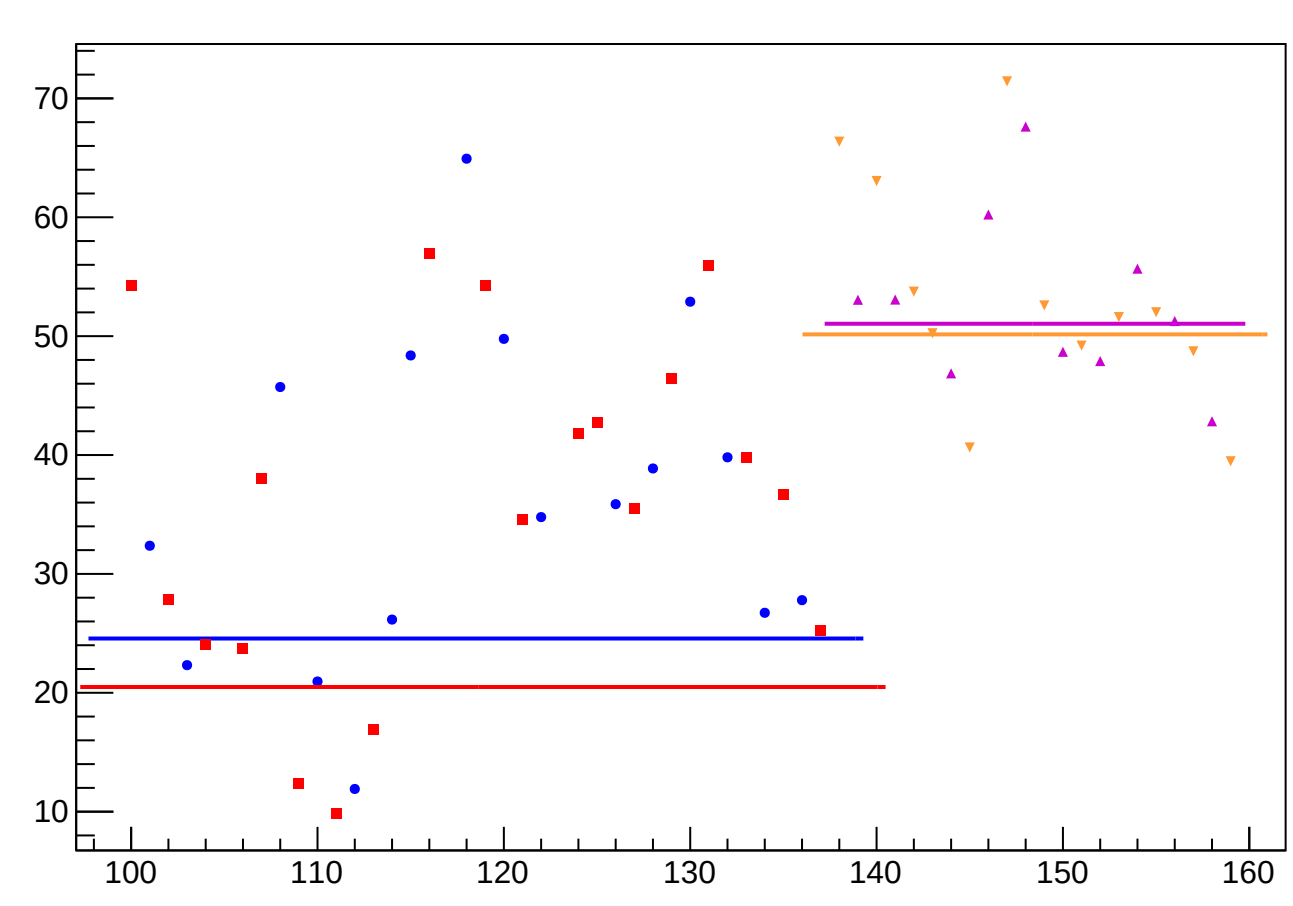
Left: -0.002+/-0.012 χ^2/NDF: 21.4/21

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.006+/-0.006 χ^2/NDF: 52.9/56



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.148+/-0.012 χ^2/NDF:527827.5/11

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

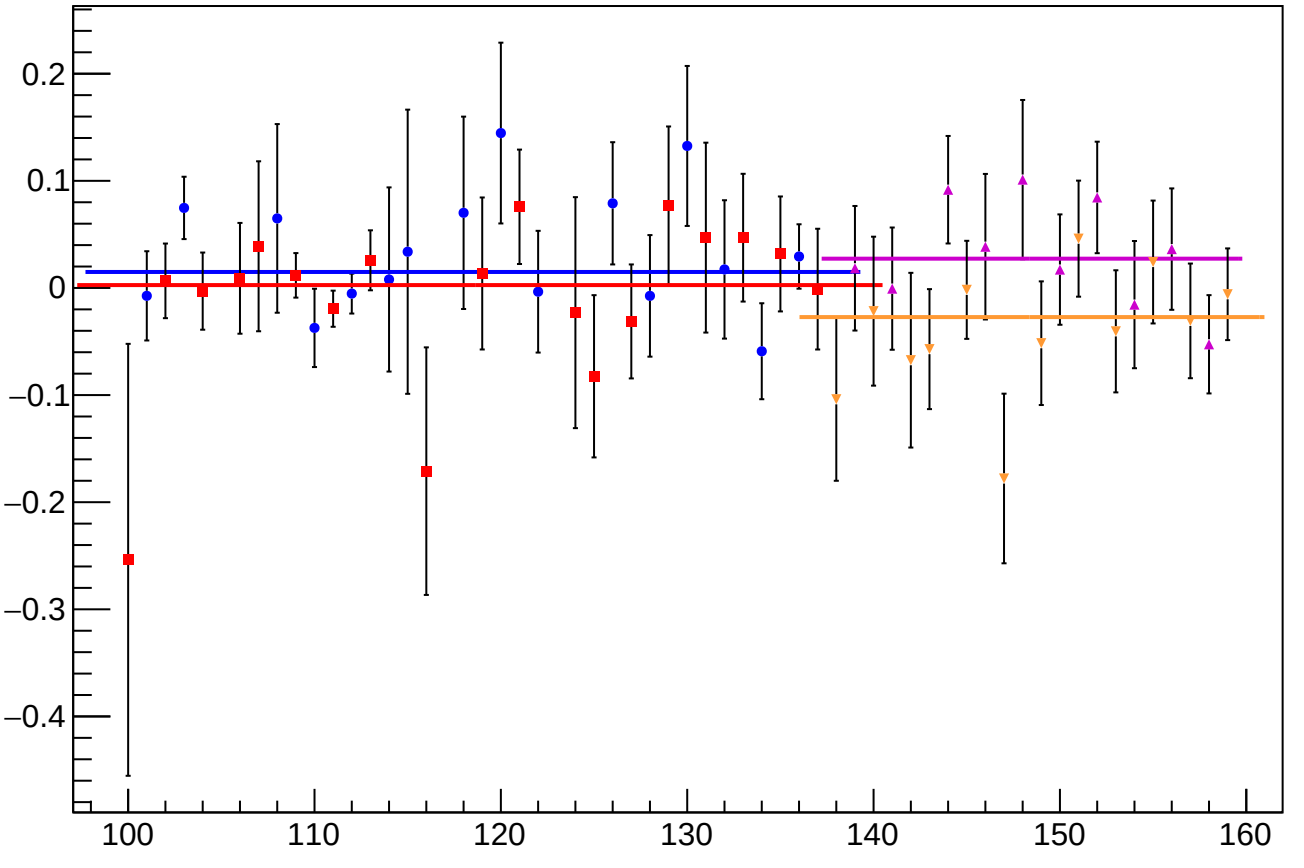
Left: 50.568+/-0.009 χ^2/NDF: 773153.5/21

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.577+/-0.006 χ^2/NDF:6039779.0/25

Out: 27.493+/-0.006 χ^2/NDF:8994480.0/30

All: 29.294+/-0.004 χ^2/NDF: 15260550.7/56



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.027+/-0.017 χ^2/NDF:8.6/11

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

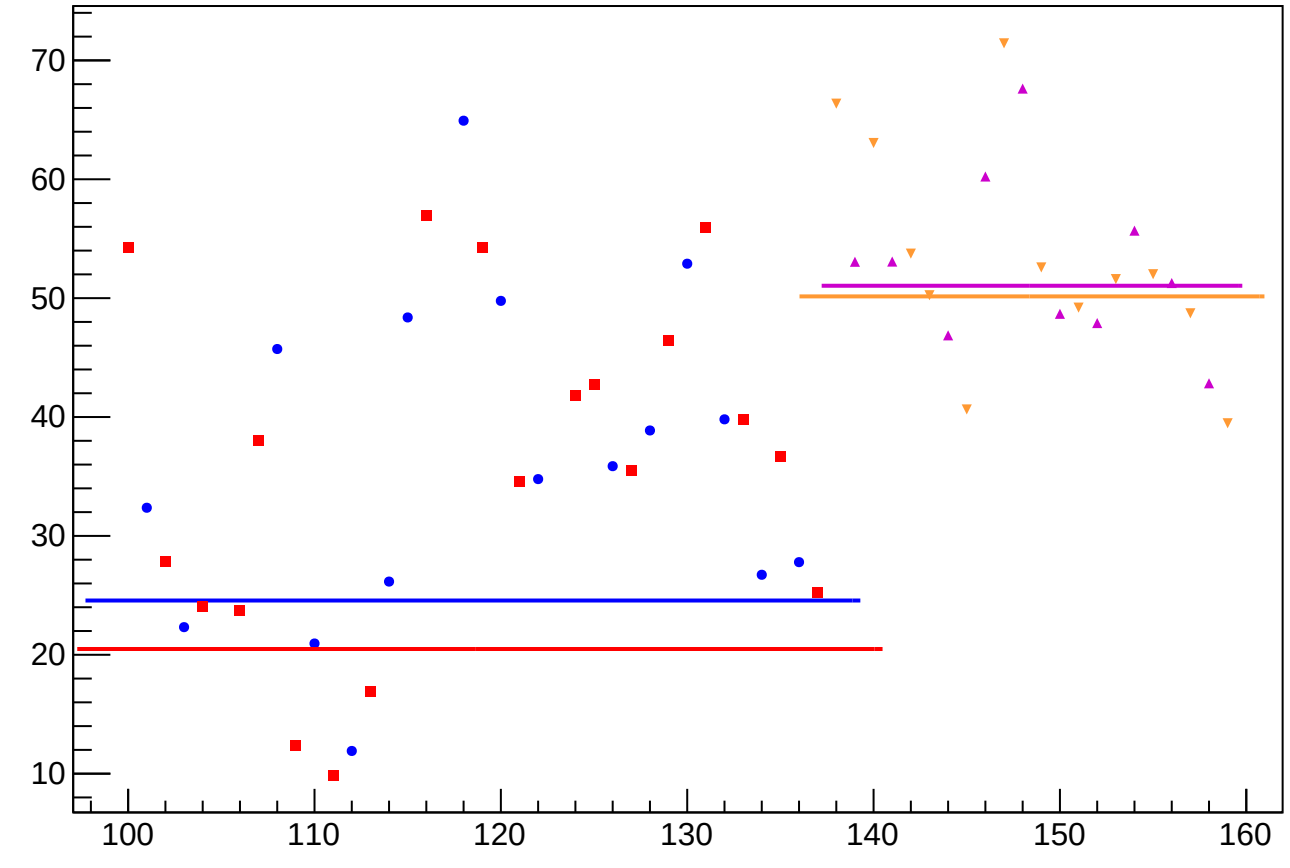
Left: -0.002+/-0.012 χ^2/NDF: 21.4/21

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.006+/-0.006 χ^2/NDF: 52.9/56



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.148+/-0.012 χ^2/NDF:527827.5/11

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

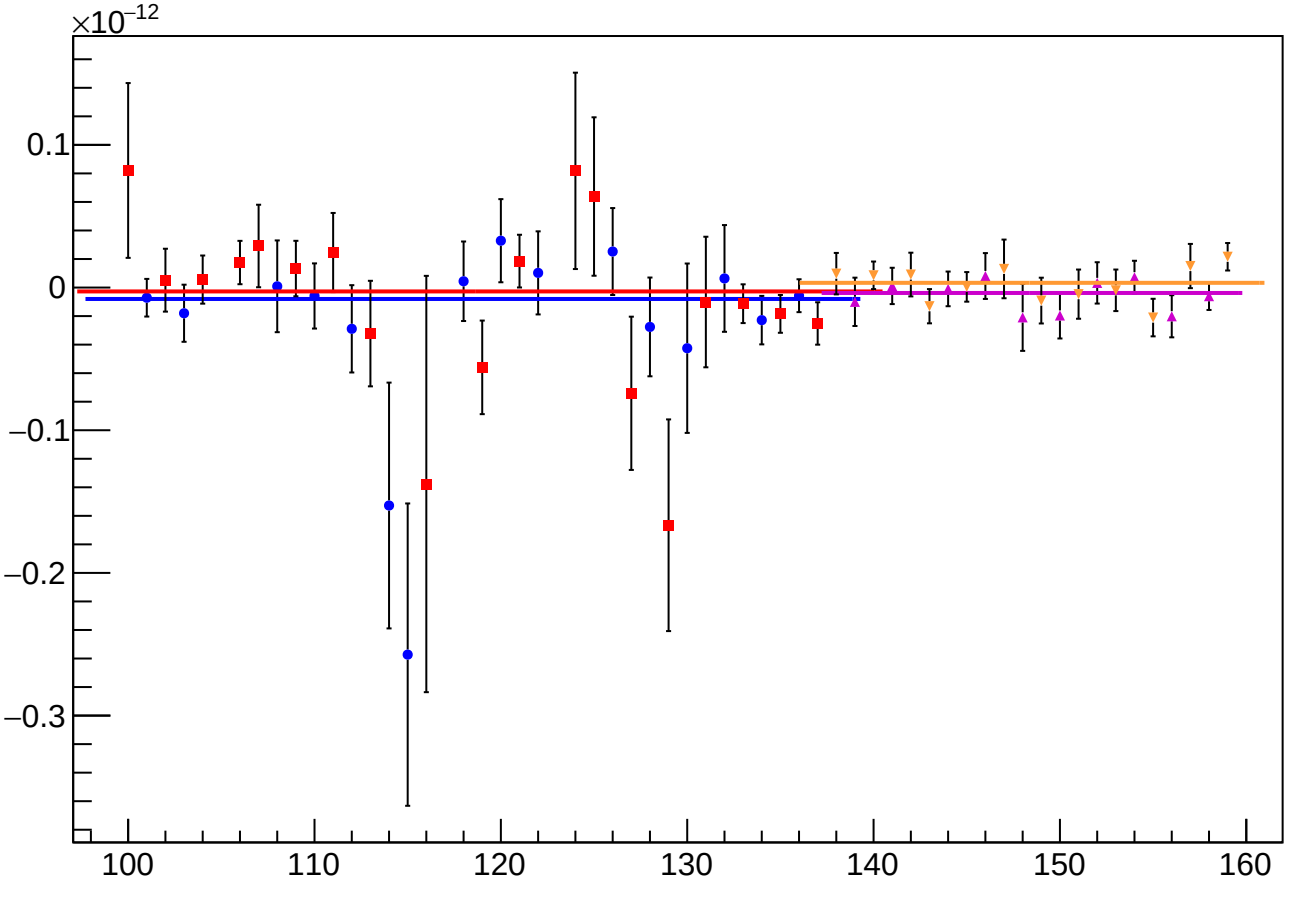
Left: 50.568+/-0.009 χ^2/NDF: 773153.5/21

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.577+/-0.006 χ^2/NDF:6039779.0/25

Out: 27.493+/-0.006 χ^2/NDF:8994480.0/30

All: 29.294+/-0.004 χ^2/NDF: 15260550.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/9

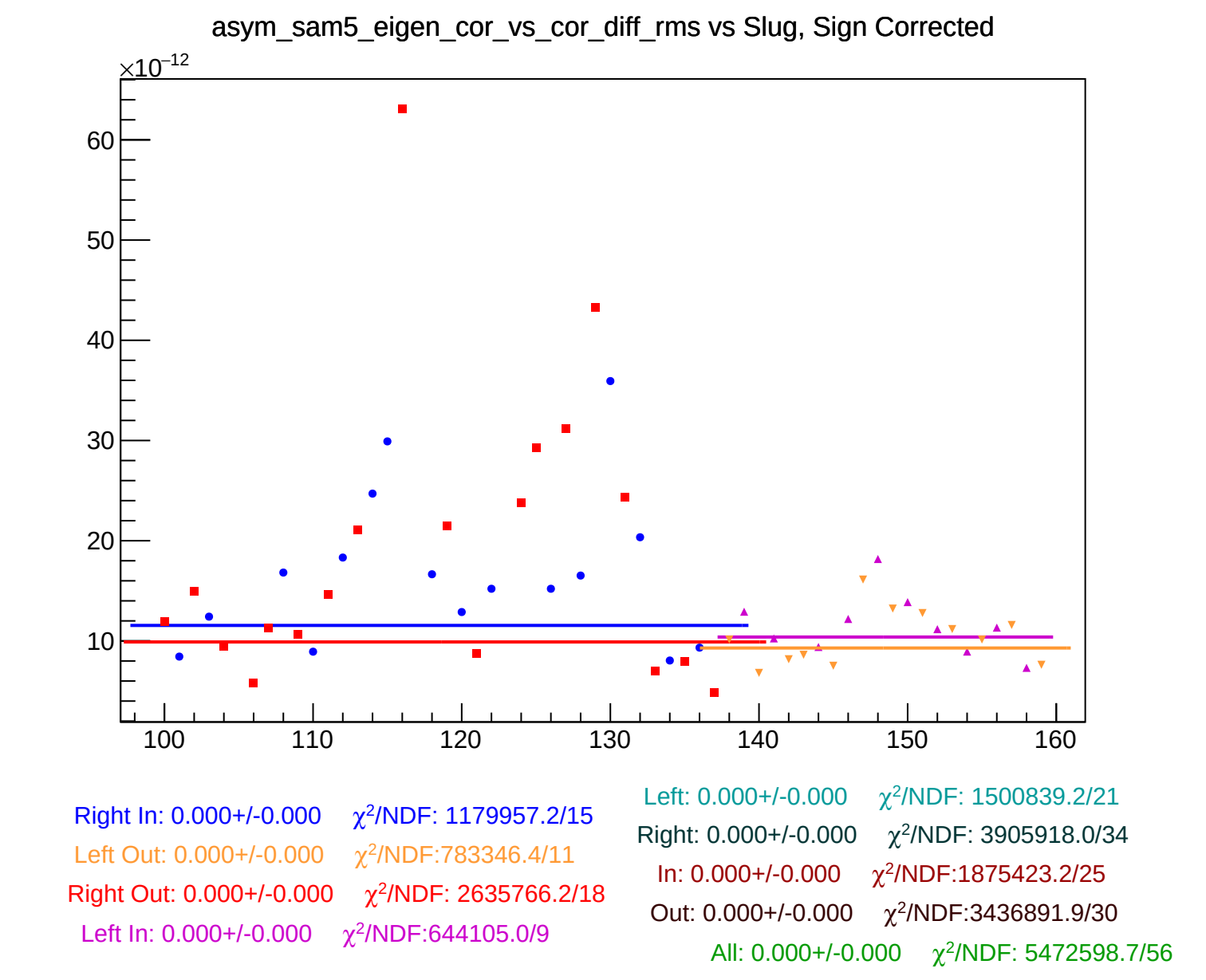
Left: 0.000+/-0.000 χ^2/NDF: 17.7/21

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

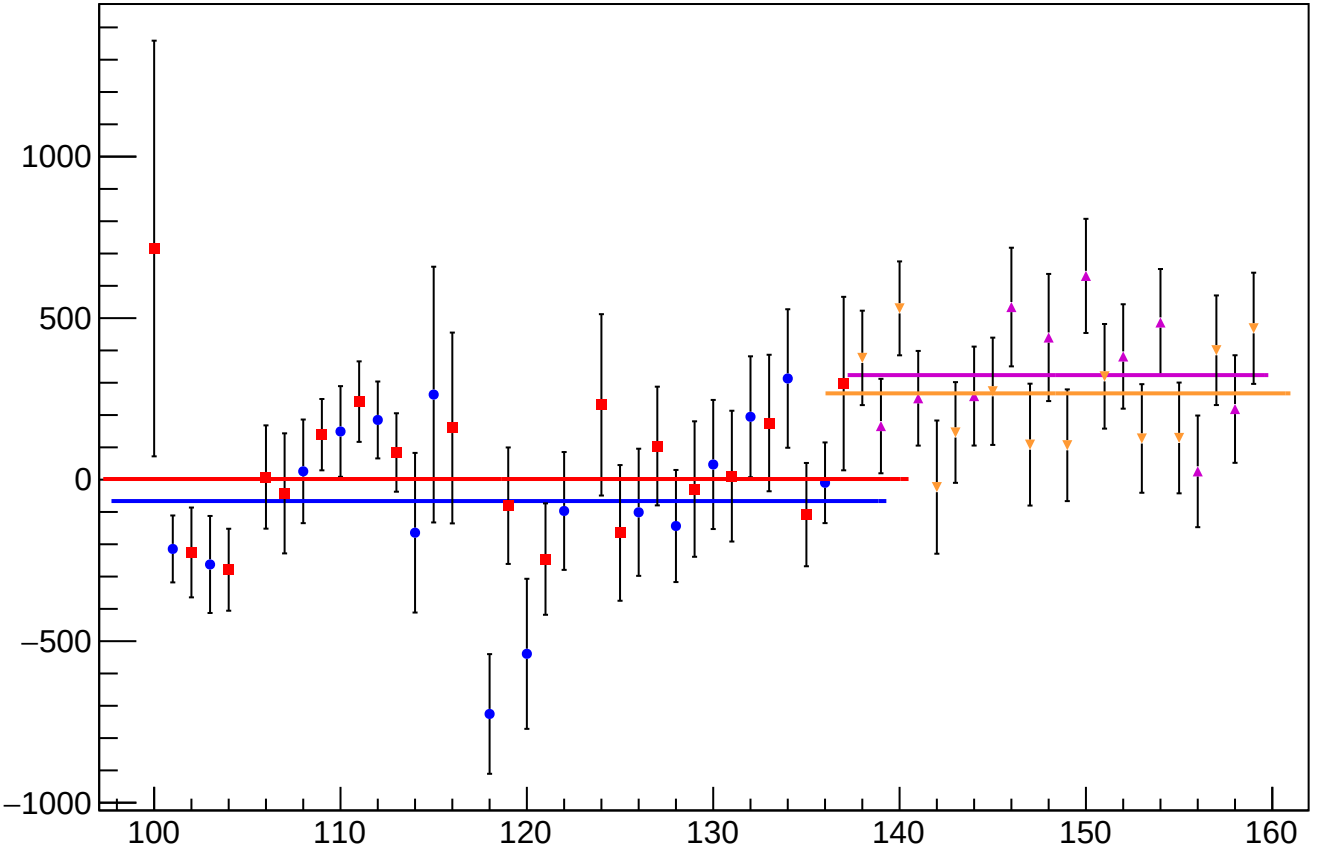
In: -0.000+/-0.000 χ^2/NDF:19.7/25

Out: 0.000+/-0.000 χ^2/NDF:38.3/30

All: -0.000+/-0.000 χ^2/NDF: 60.0/56


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
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:783346.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:644105.0/9
Left: 0.000+/-0.000 χ²/NDF: 1500839.2/21
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1875423.2/25
Out: 0.000+/-0.000 χ²/NDF:3436891.9/30
All: 0.000+/-0.000 χ²/NDF: 5472598.7/56

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 267.145+/-48.075 χ^2/NDF:11.4/11

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 323.642+/-52.140 χ^2/NDF:10.7/9

Left: 293.106+/-35.344 χ^2/NDF: 22.8/21

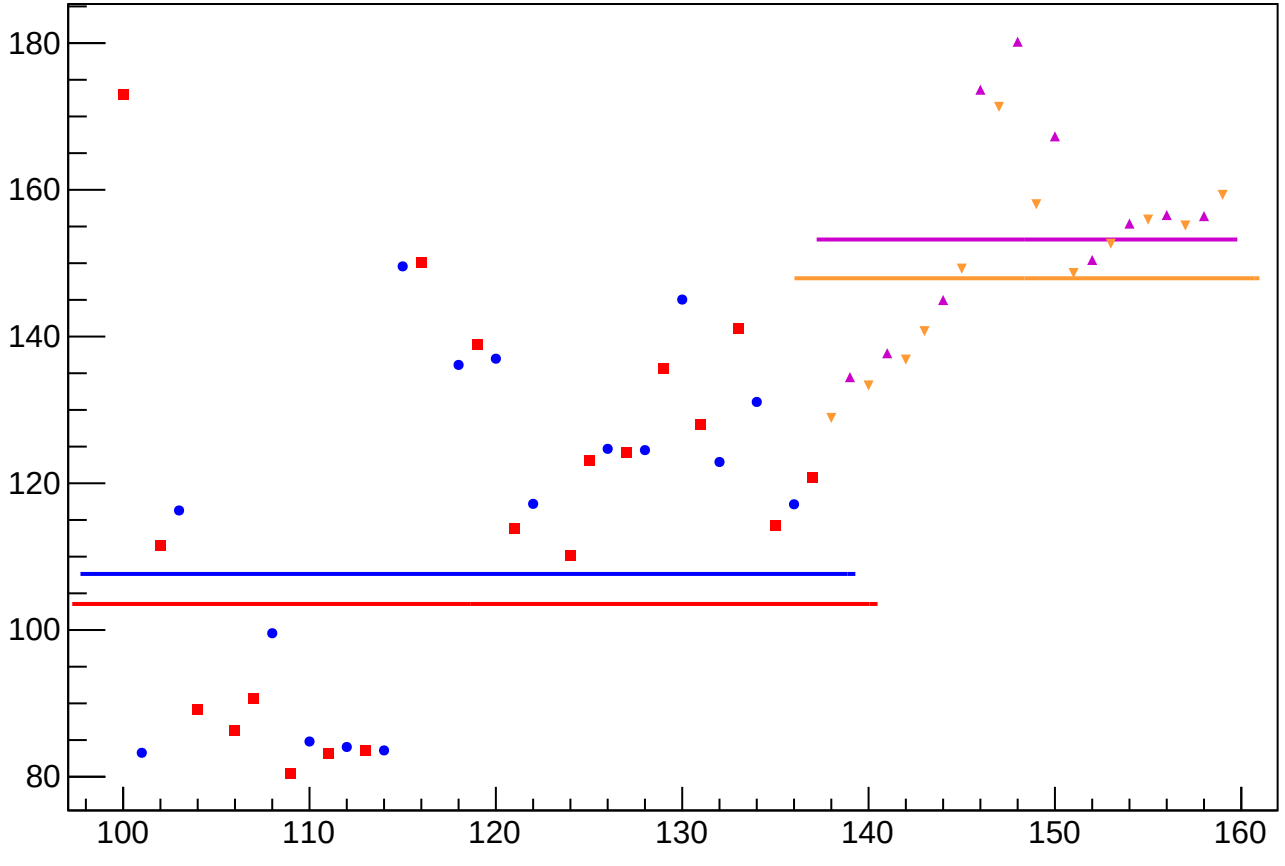
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 82.451+/-32.199 χ^2/NDF:79.7/25

Out: 106.811+/-30.225 χ^2/NDF:50.9/30

All: 95.401+/-22.037 χ^2/NDF: 131.0/56

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 147.945+/-0.034 χ^2/NDF:120097.9/11

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

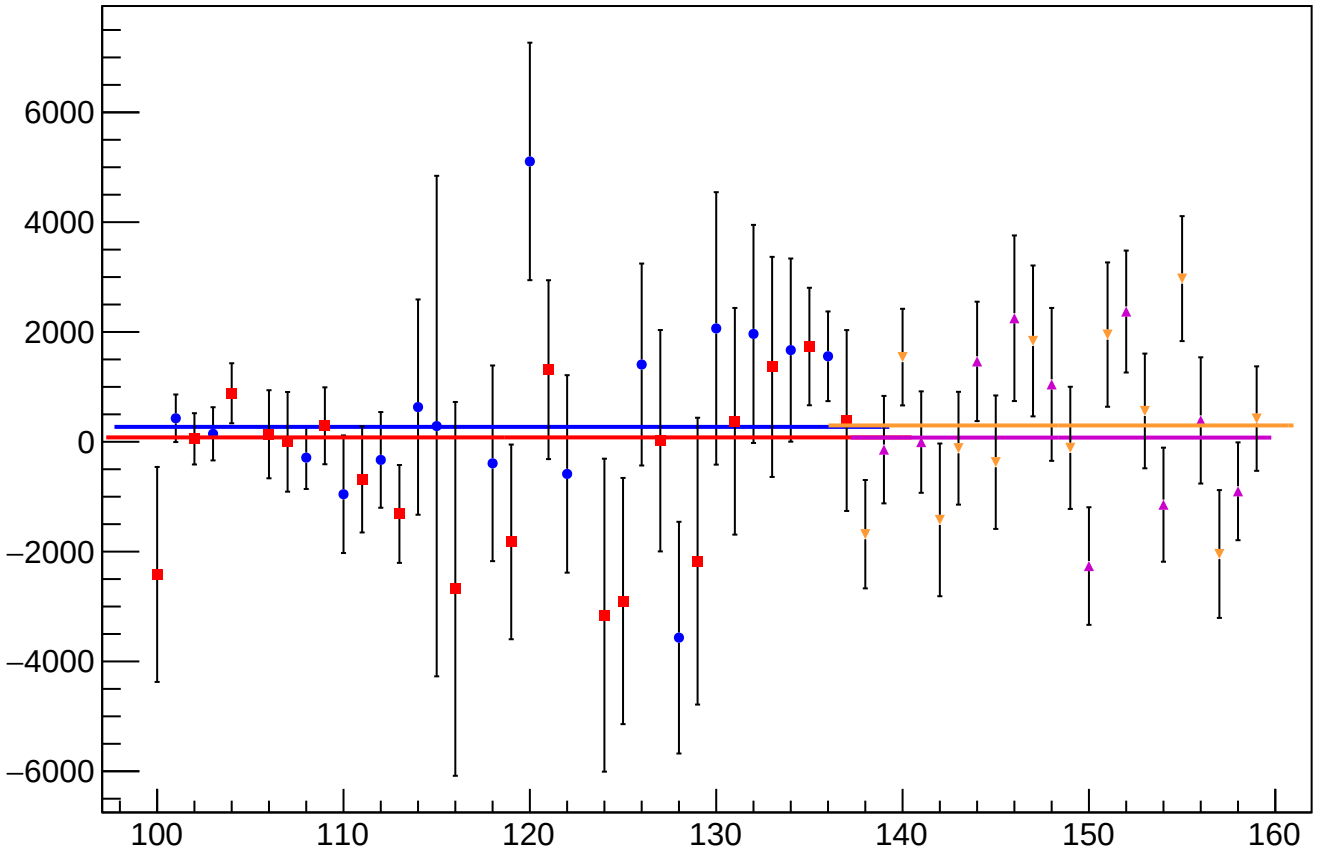
Left: 150.373+/-0.025 χ^2/NDF: 269670.6/21

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 125.028+/-0.023 χ^2/NDF:1617038.3/25

Out: 121.097+/-0.021 χ^2/NDF:1768868.8/30

All: 122.939+/-0.016 χ^2/NDF: 3401754.0/56



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 297.726+/-317.694 χ^2/NDF:20.6/11

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 76.386+/-340.122 χ^2/NDF:16.0/9

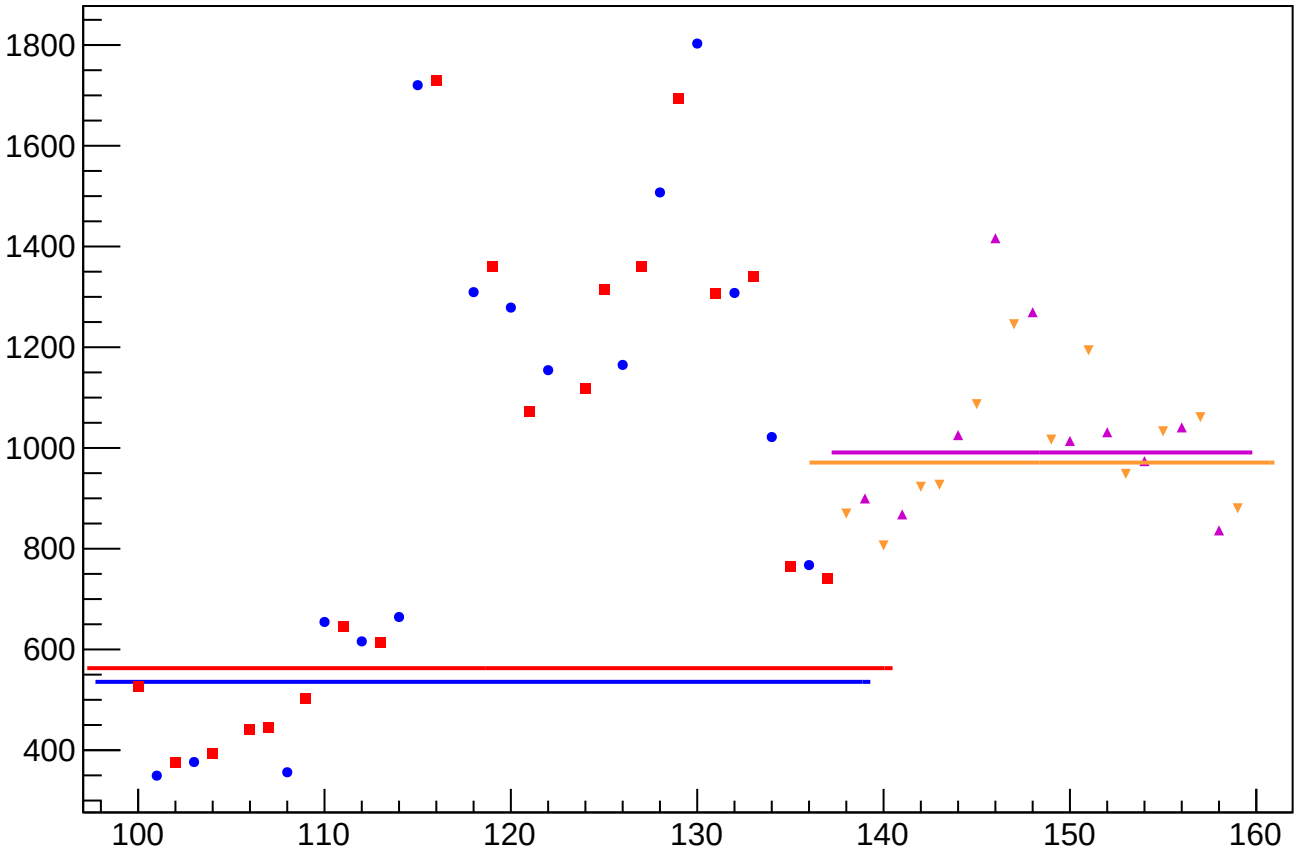
Left: 194.594+/-232.168 χ^2/NDF: 36.8/21

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 210.036+/-190.903 χ^2/NDF:32.7/25

Out: 155.853+/-187.441 χ^2/NDF:37.0/30

All: 182.449+/-133.748 χ^2/NDF: 69.7/56



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 971.024+/-0.225 χ^2/NDF:293022.5/11

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 991.074+/-0.241 χ^2/NDF:362122.1/9

Left: 980.366+/-0.164 χ^2/NDF: 658856.4/21

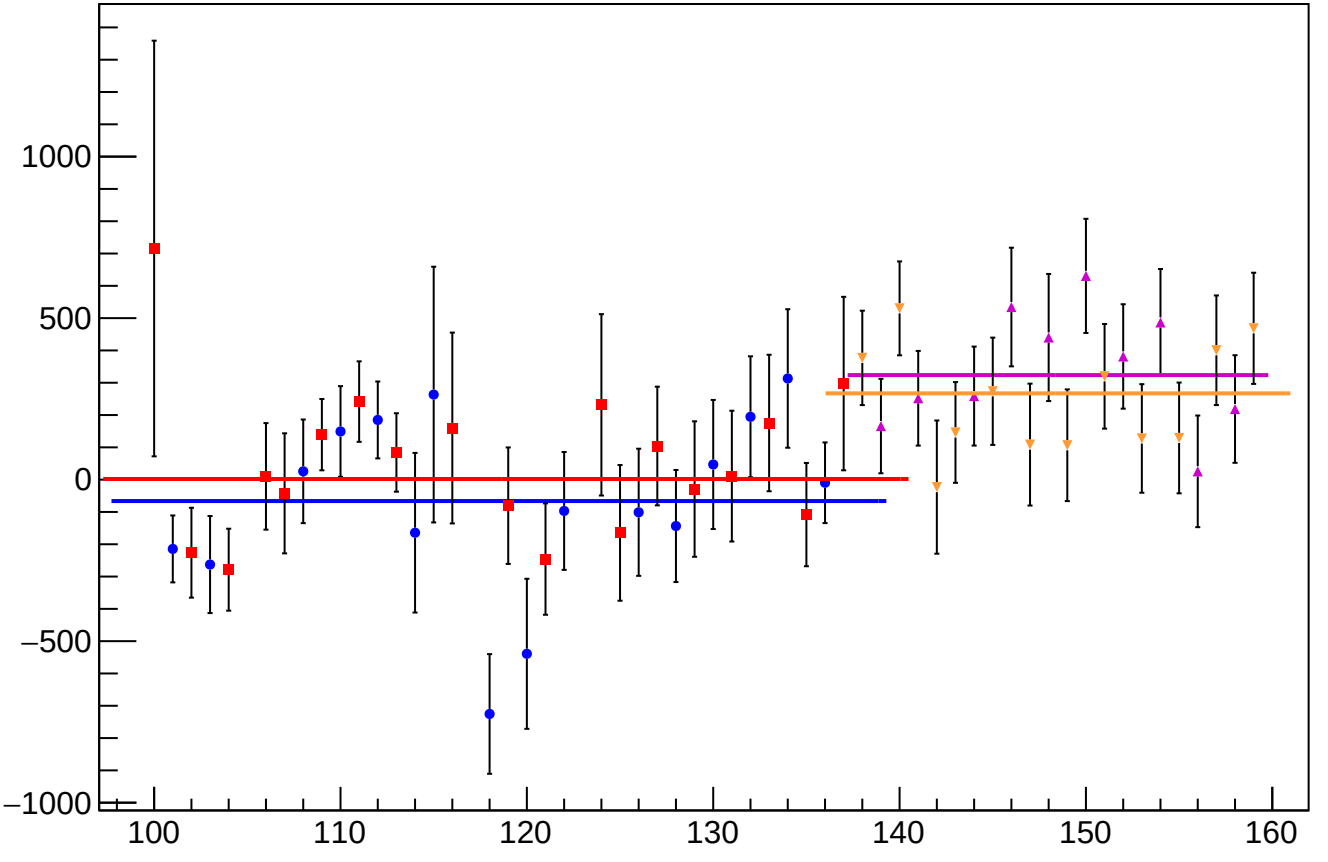
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 679.146+/-0.135 χ^2/NDF:6450350.5/25

Out: 704.935+/-0.133 χ^2/NDF:5556290.5/30

All: 692.276+/-0.095 χ^2/NDF: 12025223.5/56

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 267.137+/-48.075 χ^2/NDF:11.4/11

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 323.643+/-52.140 χ^2/NDF:10.7/9

Left: 293.102+/-35.344 χ^2/NDF: 22.8/21

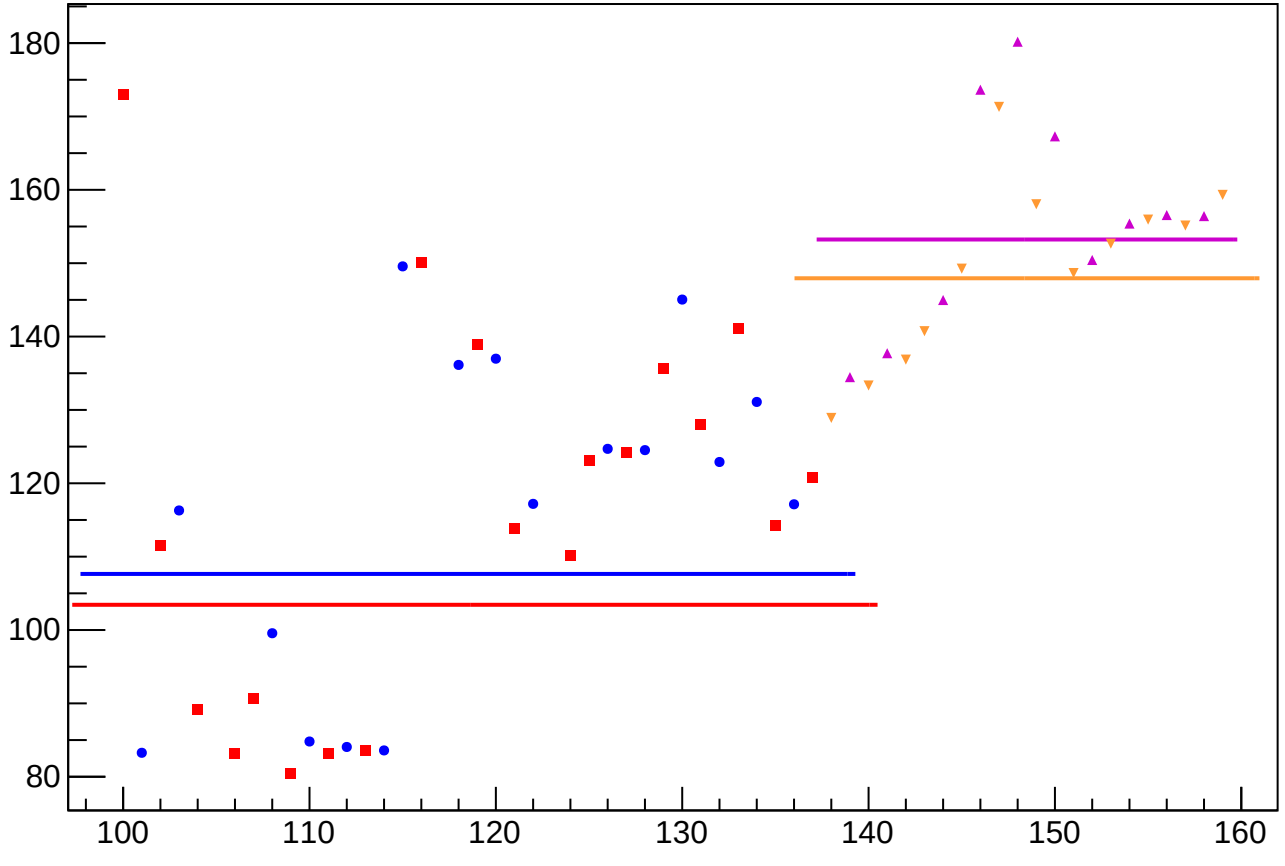
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 82.436+/-32.199 χ^2/NDF:79.7/25

Out: 107.064+/-30.257 χ^2/NDF:50.9/30

All: 95.514+/-22.050 χ^2/NDF: 131.0/56

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 147.945+/-0.034 χ^2/NDF:120097.9/11

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

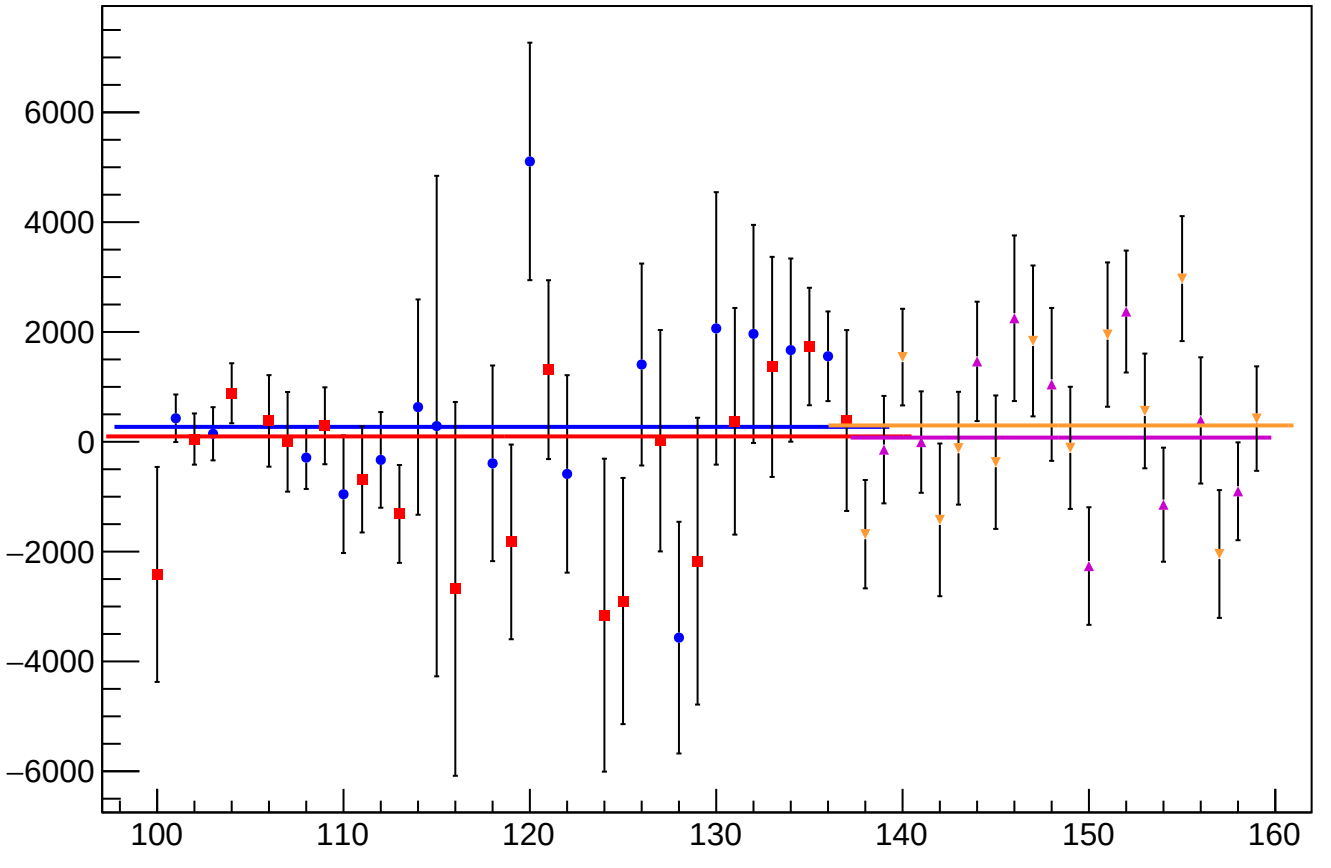
Left: 150.373+/-0.025 χ^2/NDF: 269670.6/21

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 125.028+/-0.023 χ^2/NDF:1617037.1/25

Out: 121.068+/-0.021 χ^2/NDF:1780008.9/30

All: 122.925+/-0.016 χ^2/NDF: 3413114.5/56



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 297.729+/-317.694 χ^2/NDF:20.6/11

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 76.381+/-340.122 χ^2/NDF:16.0/9

Left: 194.593+/-232.168 χ^2/NDF: 36.8/21

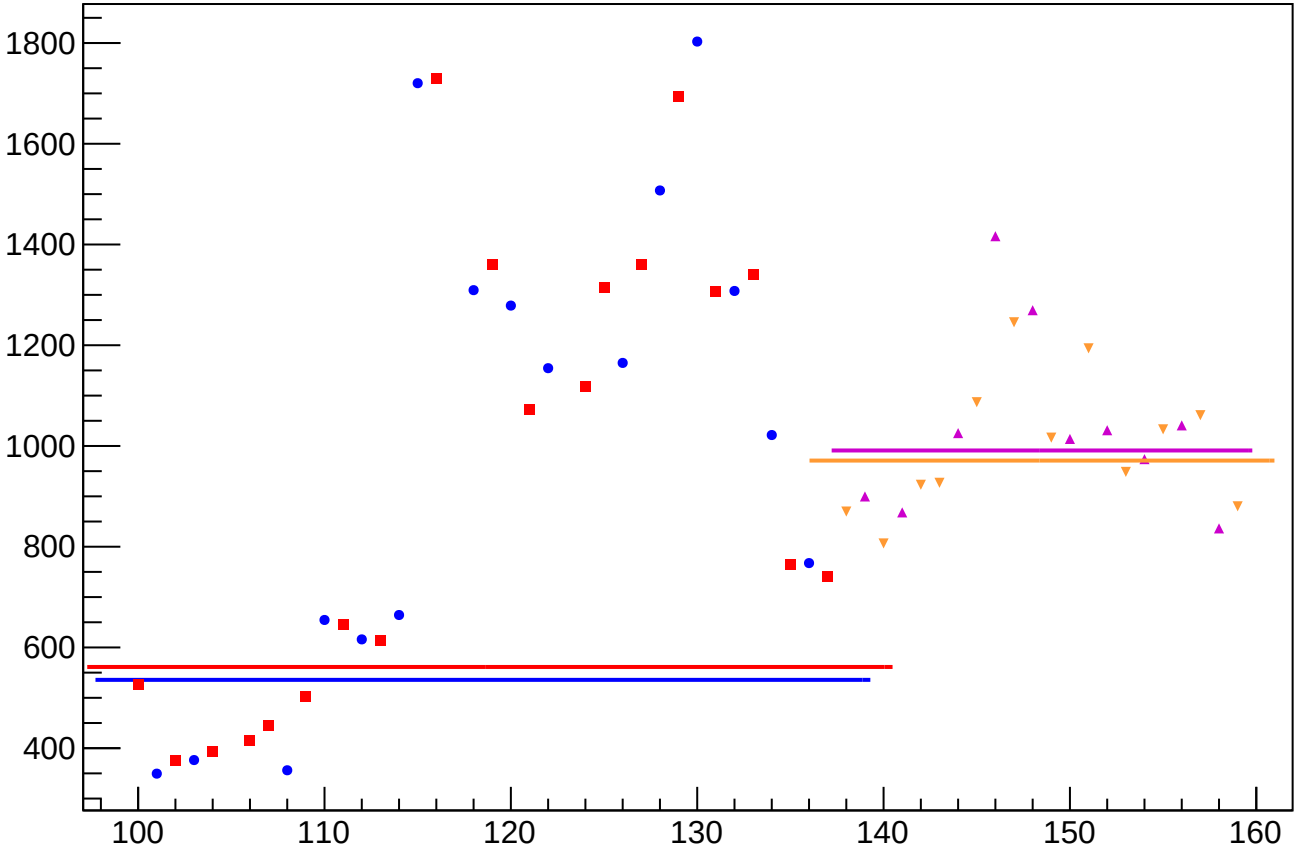
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 210.133+/-190.899 χ^2/NDF:32.7/25

Out: 167.672+/-187.771 χ^2/NDF:37.0/30

All: 188.552+/-133.866 χ^2/NDF: 69.7/56

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 971.024+/-0.225 χ^2/NDF:293022.9/11

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

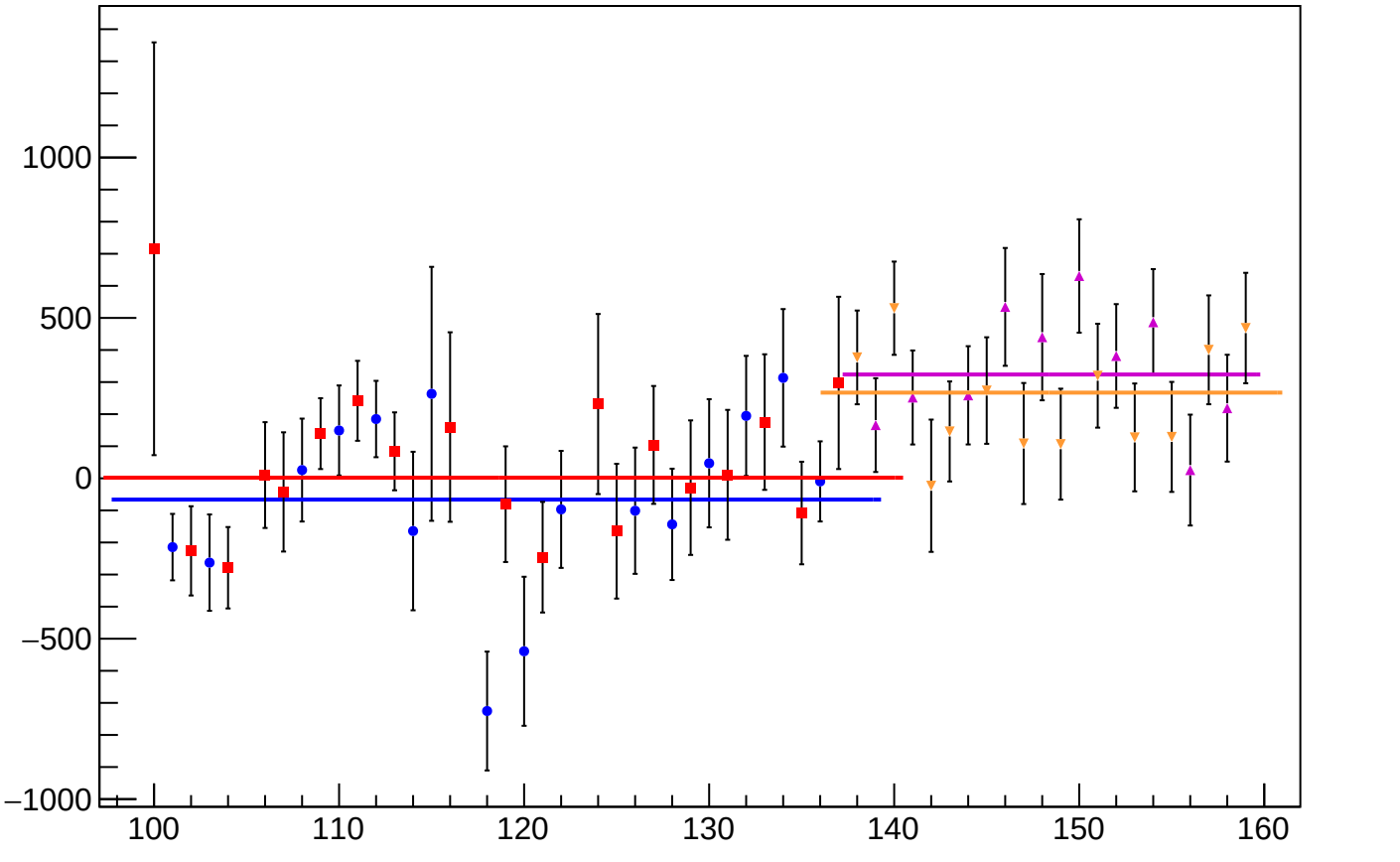
Left: 980.366+/-0.164 χ^2/NDF: 658856.2/21

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 679.125+/-0.135 χ^2/NDF:6450833.9/25

Out: 704.410+/-0.133 χ^2/NDF:5588592.4/30

All: 691.976+/-0.095 χ^2/NDF: 12057258.9/56



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 267.137+/-48.075 χ^2/NDF:11.4/11

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 323.643+/-52.140 χ^2/NDF:10.7/9

Left: 293.102+/-35.344 χ^2/NDF: 22.8/21

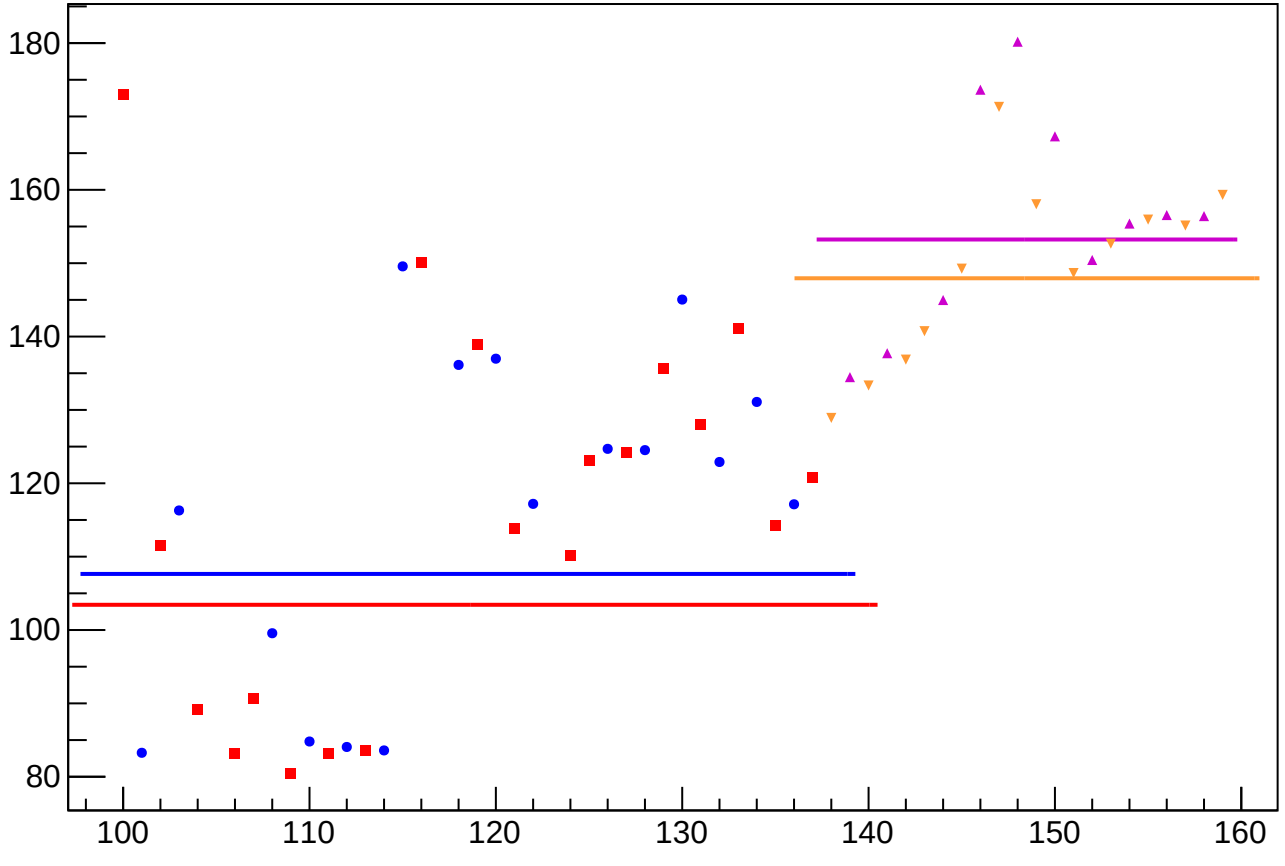
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 82.436+/-32.199 χ^2/NDF:79.7/25

Out: 107.064+/-30.257 χ^2/NDF:50.9/30

All: 95.514+/-22.050 χ^2/NDF: 131.0/56

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 147.945+/-0.034 χ^2/NDF:120097.9/11

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

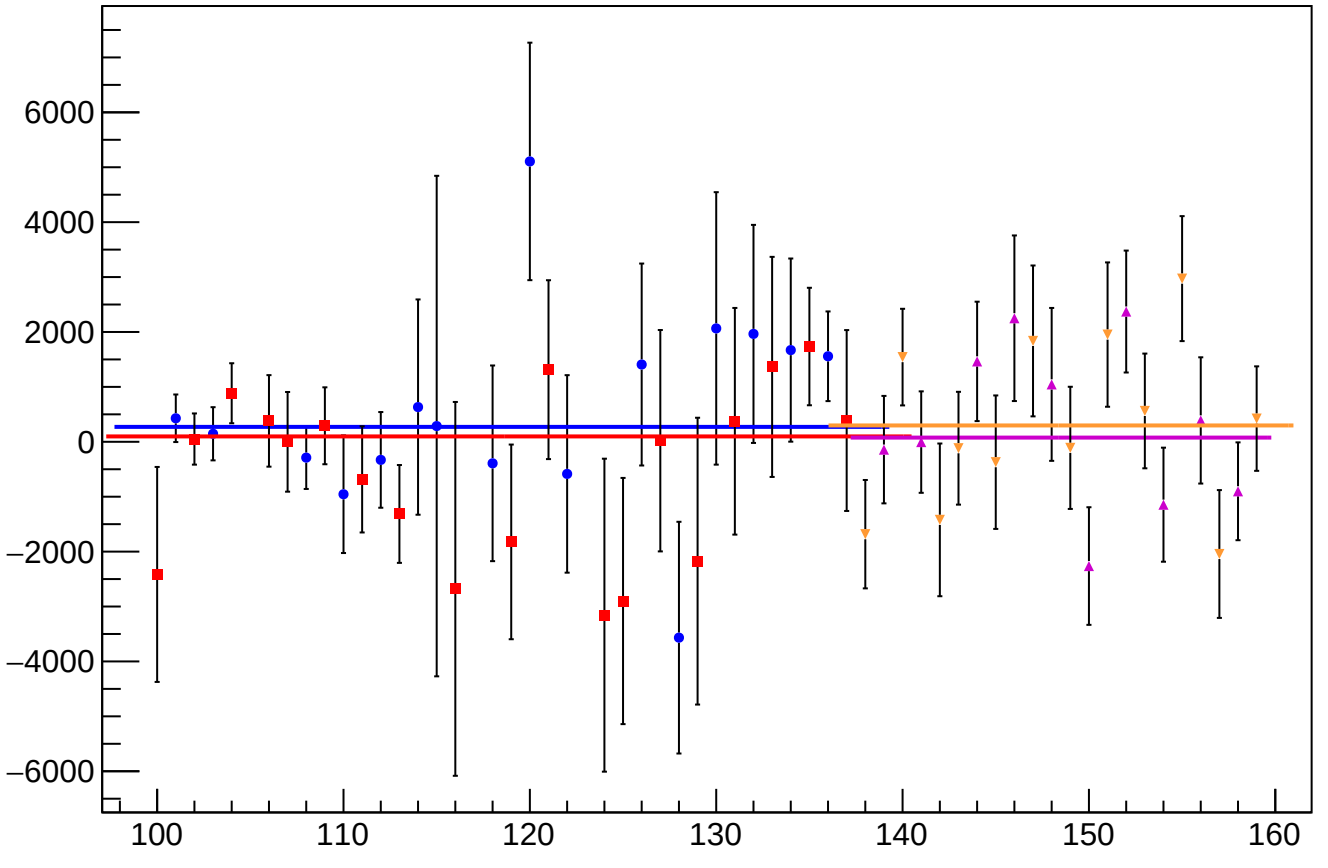
Left: 150.373+/-0.025 χ^2/NDF: 269670.6/21

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 125.028+/-0.023 χ^2/NDF:1617037.1/25

Out: 121.068+/-0.021 χ^2/NDF:1780008.9/30

All: 122.925+/-0.016 χ^2/NDF: 3413114.5/56



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 297.729+/-317.694 χ^2/NDF:20.6/11

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 76.381+/-340.122 χ^2/NDF:16.0/9

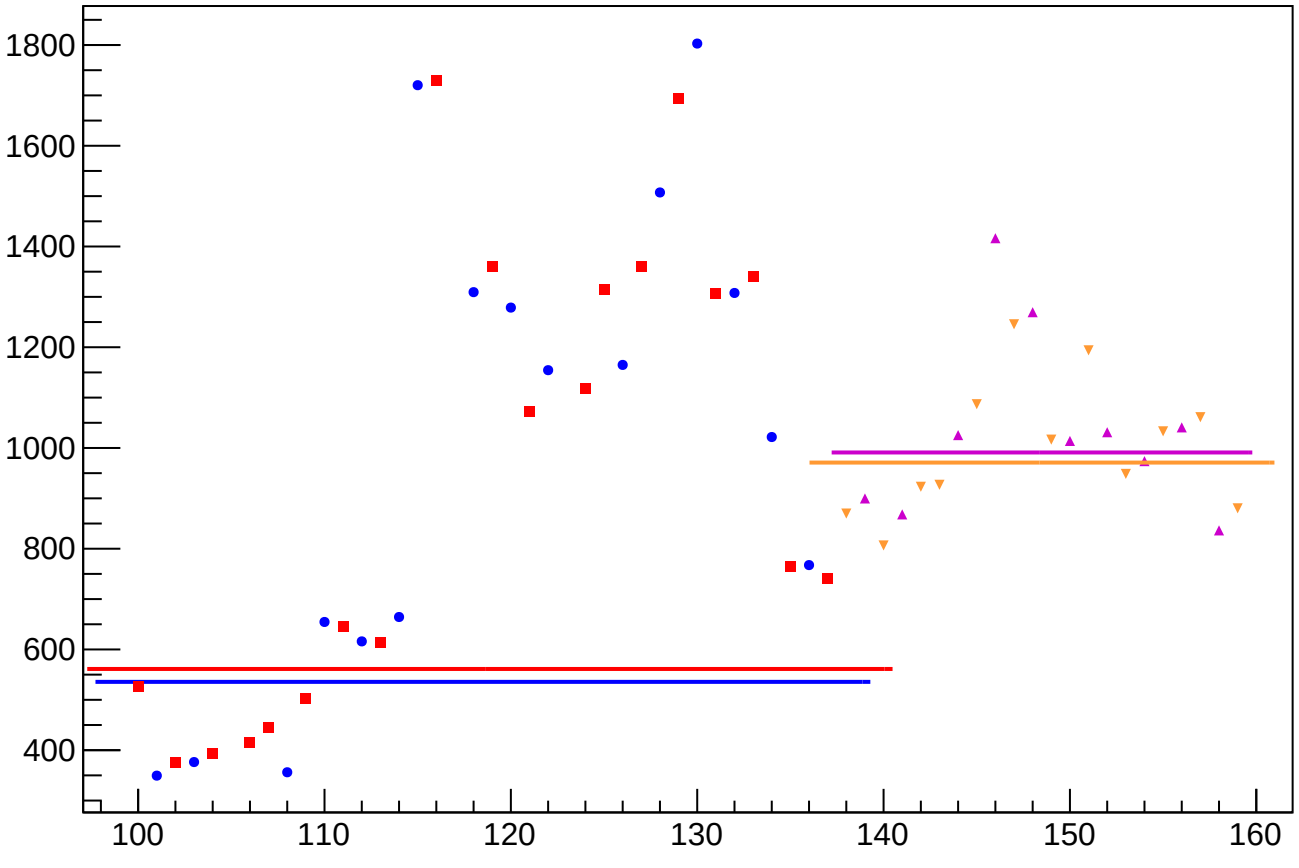
Left: 194.593+/-232.168 χ^2/NDF: 36.8/21

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 210.133+/-190.899 χ^2/NDF:32.7/25

Out: 167.672+/-187.771 χ^2/NDF:37.0/30

All: 188.552+/-133.866 χ^2/NDF: 69.7/56



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 971.024+/-0.225 χ^2/NDF:293022.9/11

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

Left: 980.366+/-0.164 χ^2/NDF: 658856.2/21

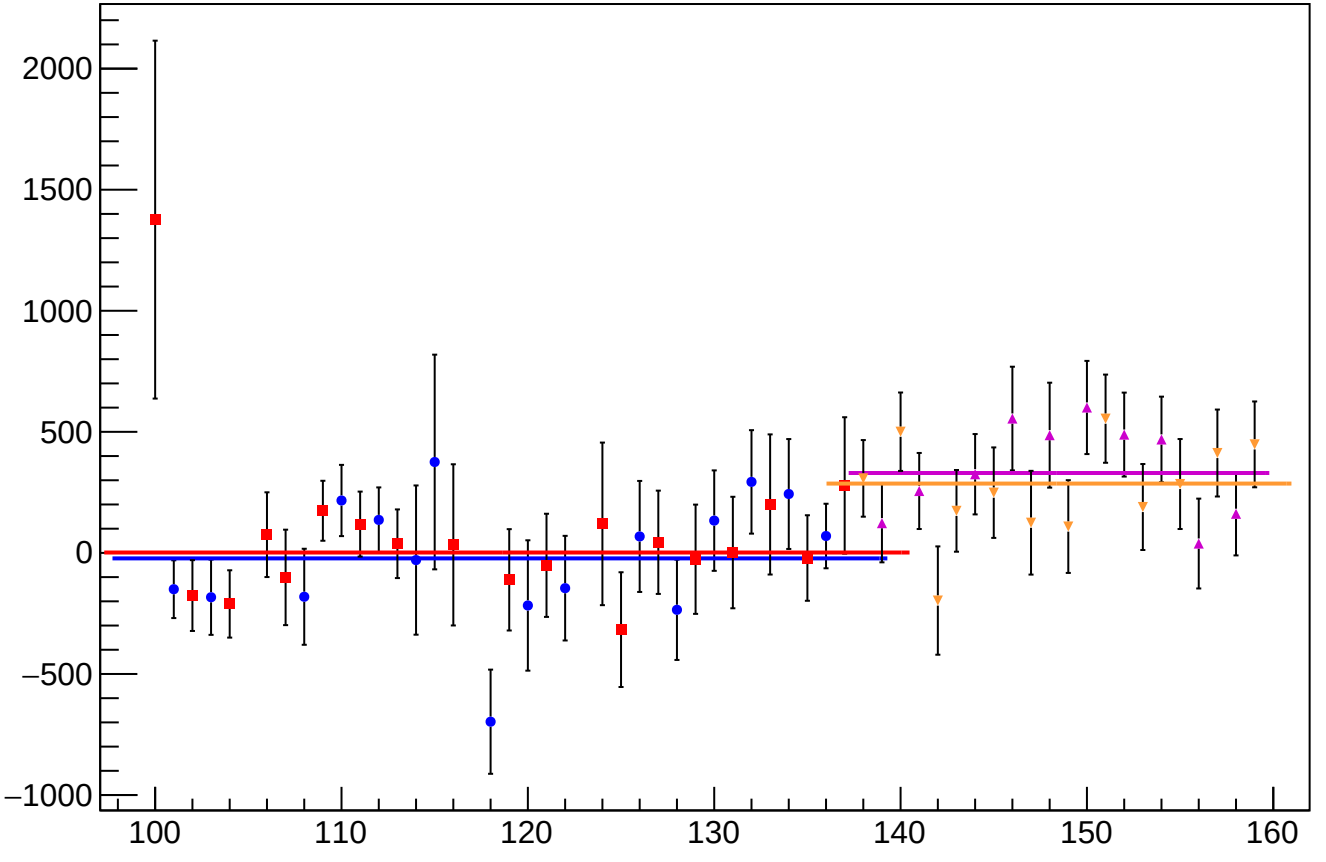
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 679.125+/-0.135 χ^2/NDF:6450833.9/25

Out: 704.410+/-0.133 χ^2/NDF:5588592.4/30

All: 691.976+/-0.095 χ^2/NDF: 12057258.9/56

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 286.328+/-52.372 χ^2/NDF:12.1/11

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 330.012+/-56.498 χ^2/NDF:10.3/9

Left: 306.517+/-38.409 χ^2/NDF: 22.8/21

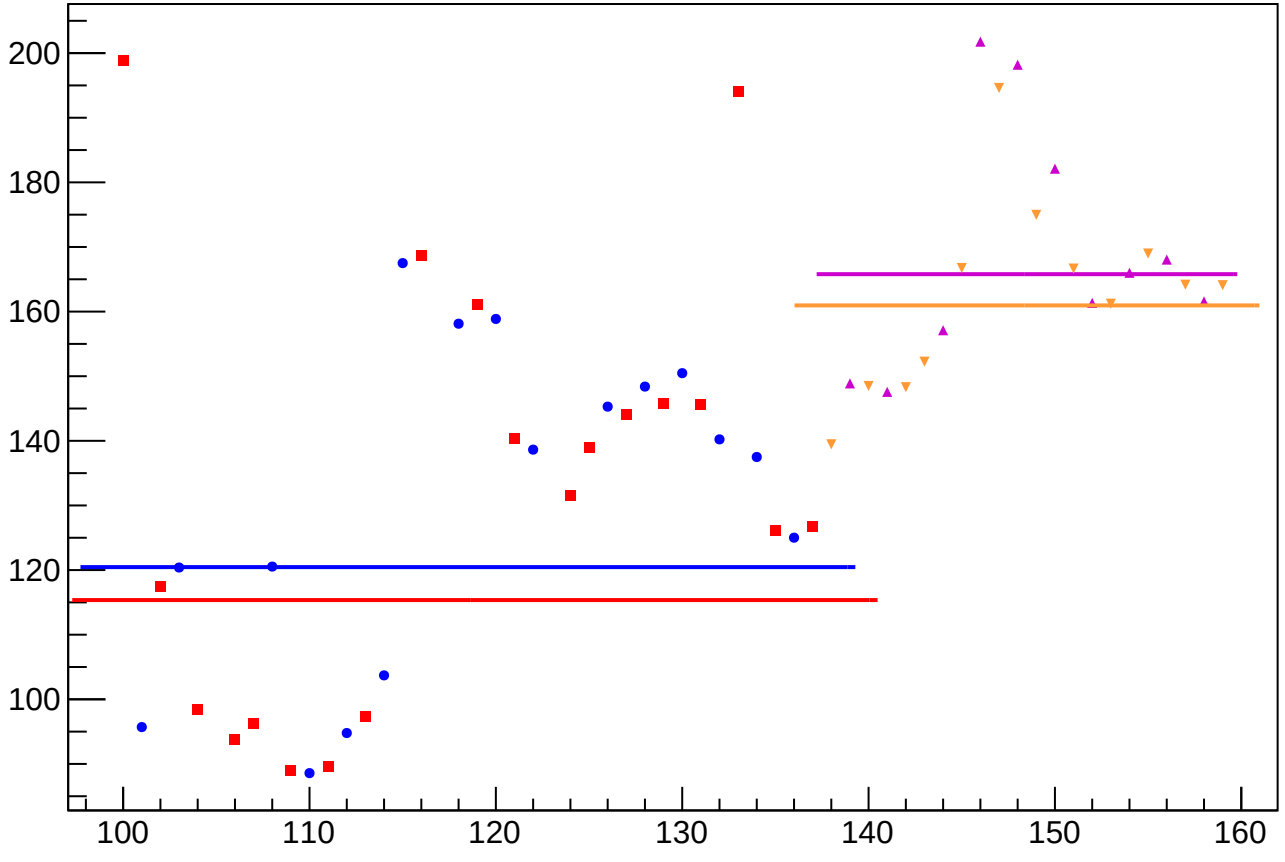
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 117.581+/-35.629 χ^2/NDF:58.0/25

Out: 118.038+/-33.491 χ^2/NDF:43.9/30

All: 117.823+/-24.403 χ^2/NDF: 101.9/56

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 160.957+/-0.037 χ^2/NDF:129440.4/11

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 165.792+/-0.040 χ^2/NDF:172673.0/9

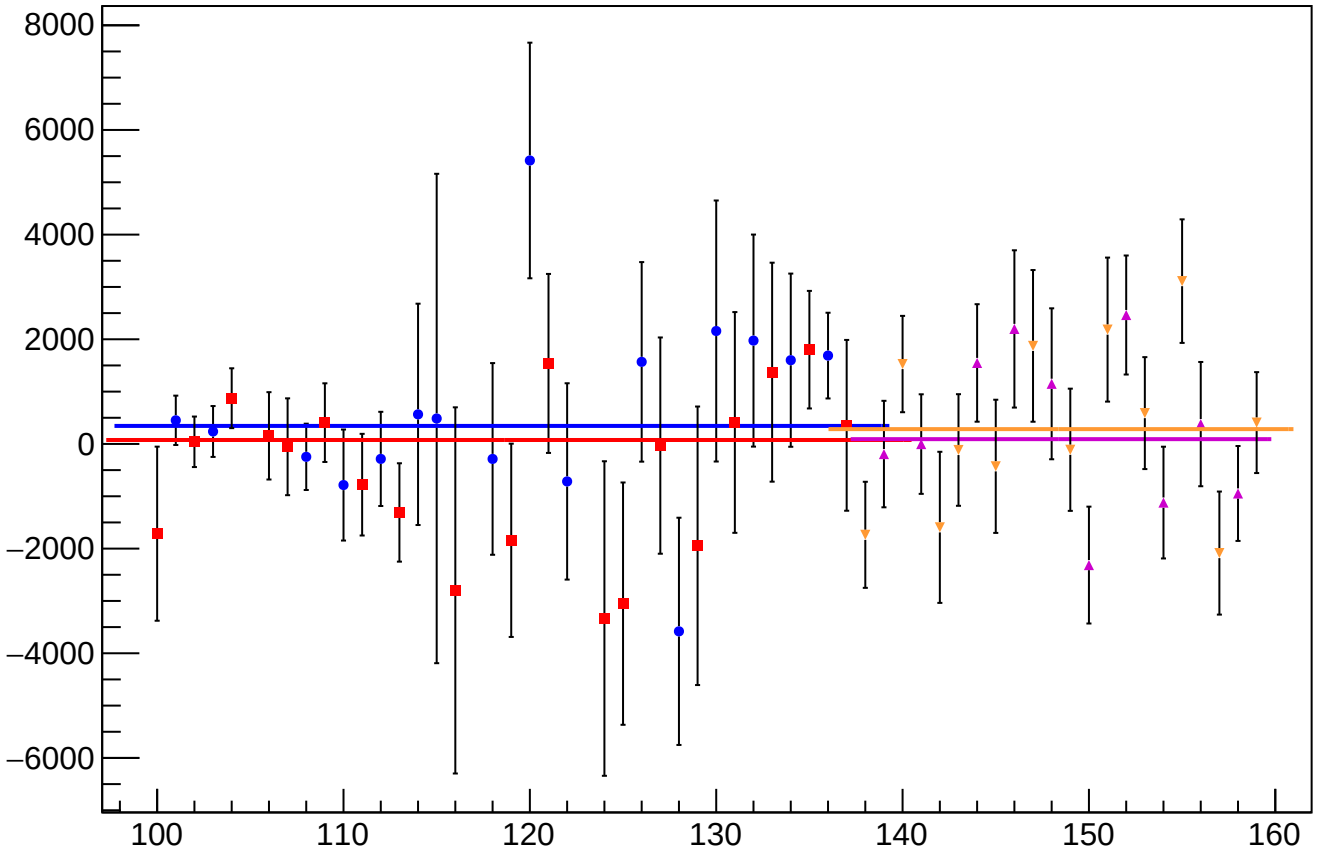
Left: 163.192+/-0.027 χ^2/NDF: 309991.1/21

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 138.487+/-0.025 χ^2/NDF:1478585.6/25

Out: 134.005+/-0.024 χ^2/NDF:1792843.3/30

All: 136.107+/-0.017 χ^2/NDF: 3288230.7/56



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 283.236+/-328.649 χ^2/NDF:21.1/11

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 91.506+/-349.939 χ^2/NDF:15.9/9

Left: 193.380+/-239.563 χ^2/NDF: 37.1/21

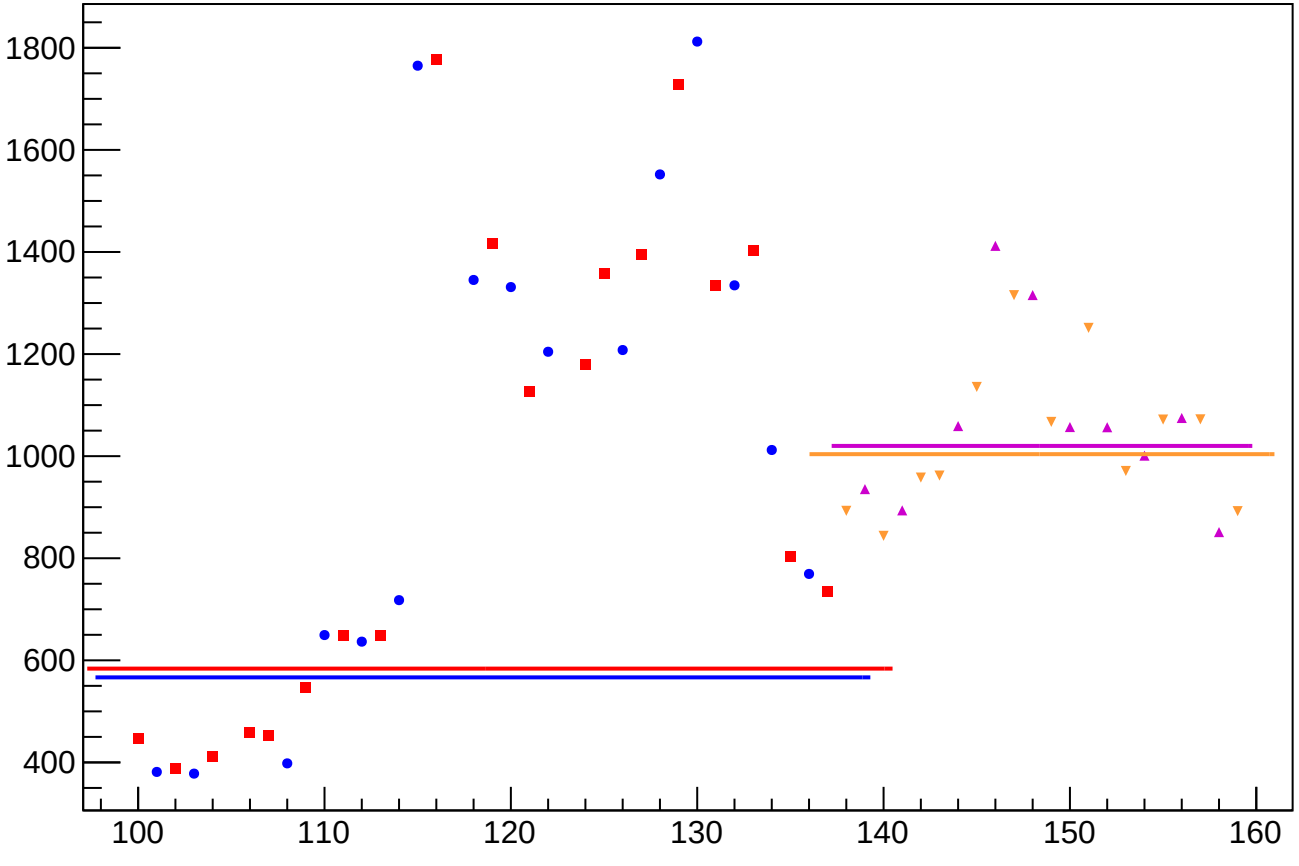
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 262.823+/-198.780 χ^2/NDF:32.5/25

Out: 147.897+/-194.073 χ^2/NDF:36.6/30

All: 203.983+/-138.865 χ^2/NDF: 69.3/56

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1003.911+/-0.232 χ^2/NDF:315895.9/11

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1020.073+/-0.247 χ^2/NDF:350024.2/9

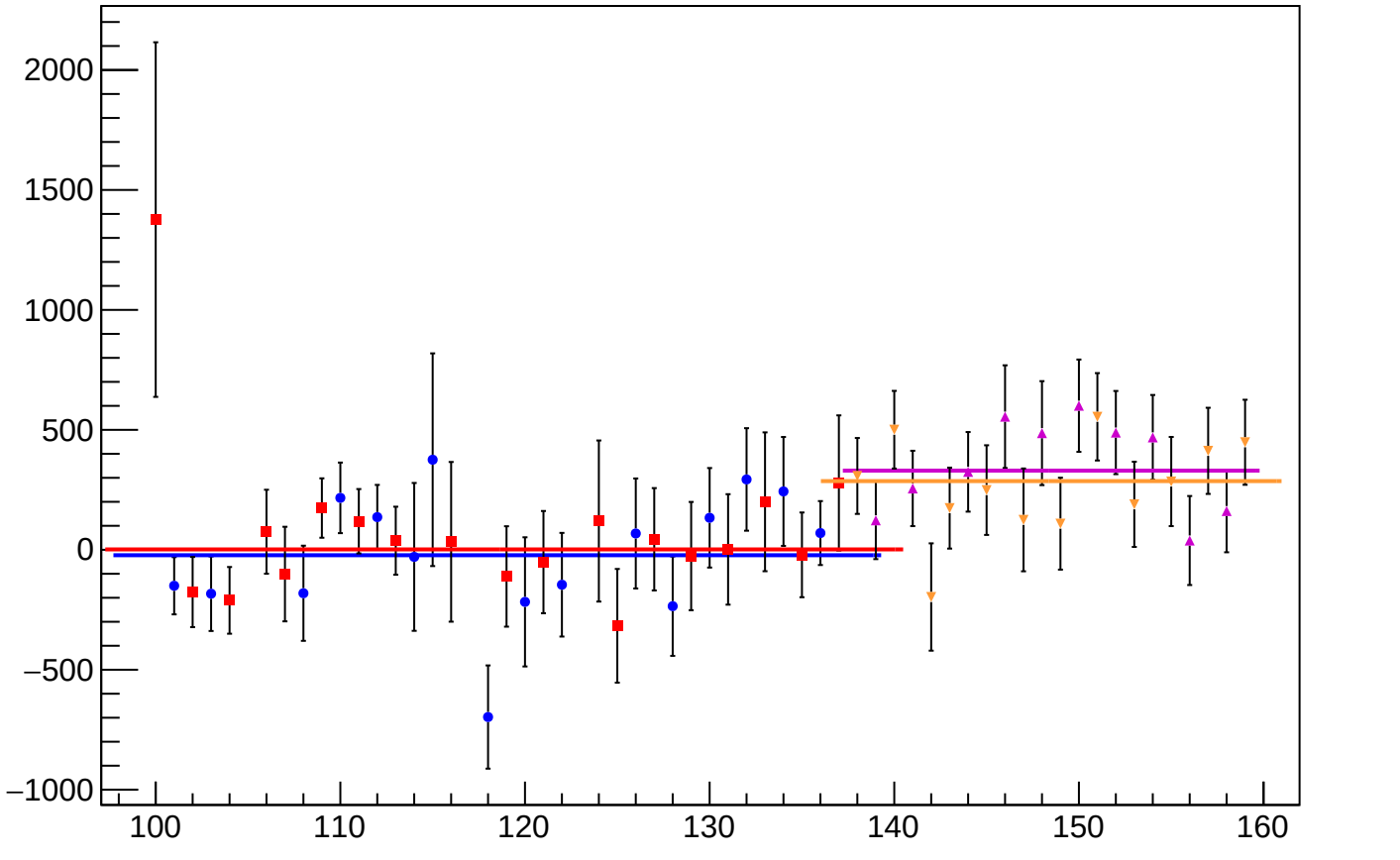
Left: 1011.486+/-0.169 χ^2/NDF: 668186.9/21

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 712.926+/-0.141 χ^2/NDF:6057252.9/25

Out: 730.293+/-0.137 χ^2/NDF:5551944.4/30

All: 721.818+/-0.098 χ^2/NDF: 11617013.7/56



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 286.329+/-52.372 χ^2/NDF:12.1/11

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 330.012+/-56.498 χ^2/NDF:10.3/9

Left: 306.517+/-38.409 χ^2/NDF: 22.8/21

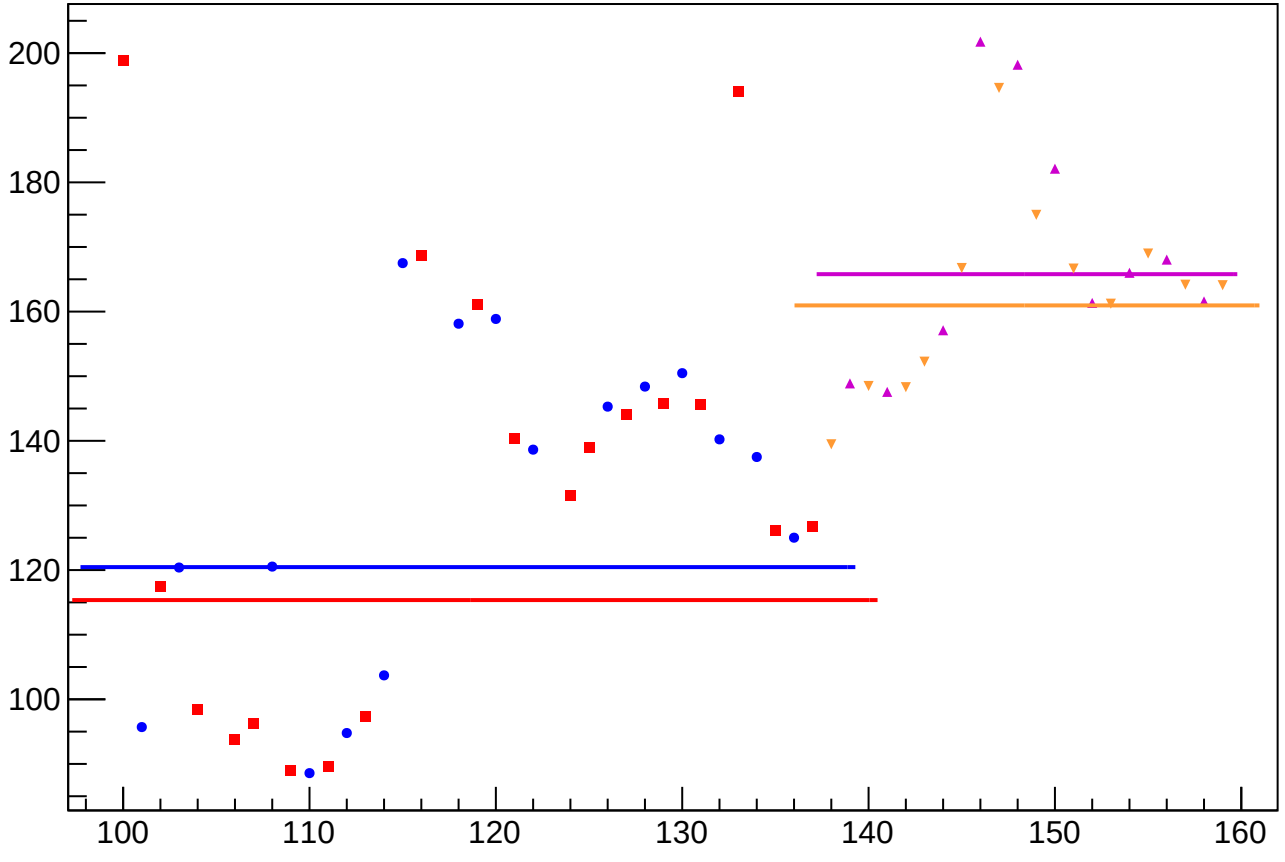
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 117.579+/-35.629 χ^2/NDF:58.0/25

Out: 118.039+/-33.491 χ^2/NDF:43.9/30

All: 117.823+/-24.403 χ^2/NDF: 101.9/56

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 160.957+/-0.037 χ^2/NDF:129439.5/11

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 165.792+/-0.040 χ^2/NDF:172673.4/9

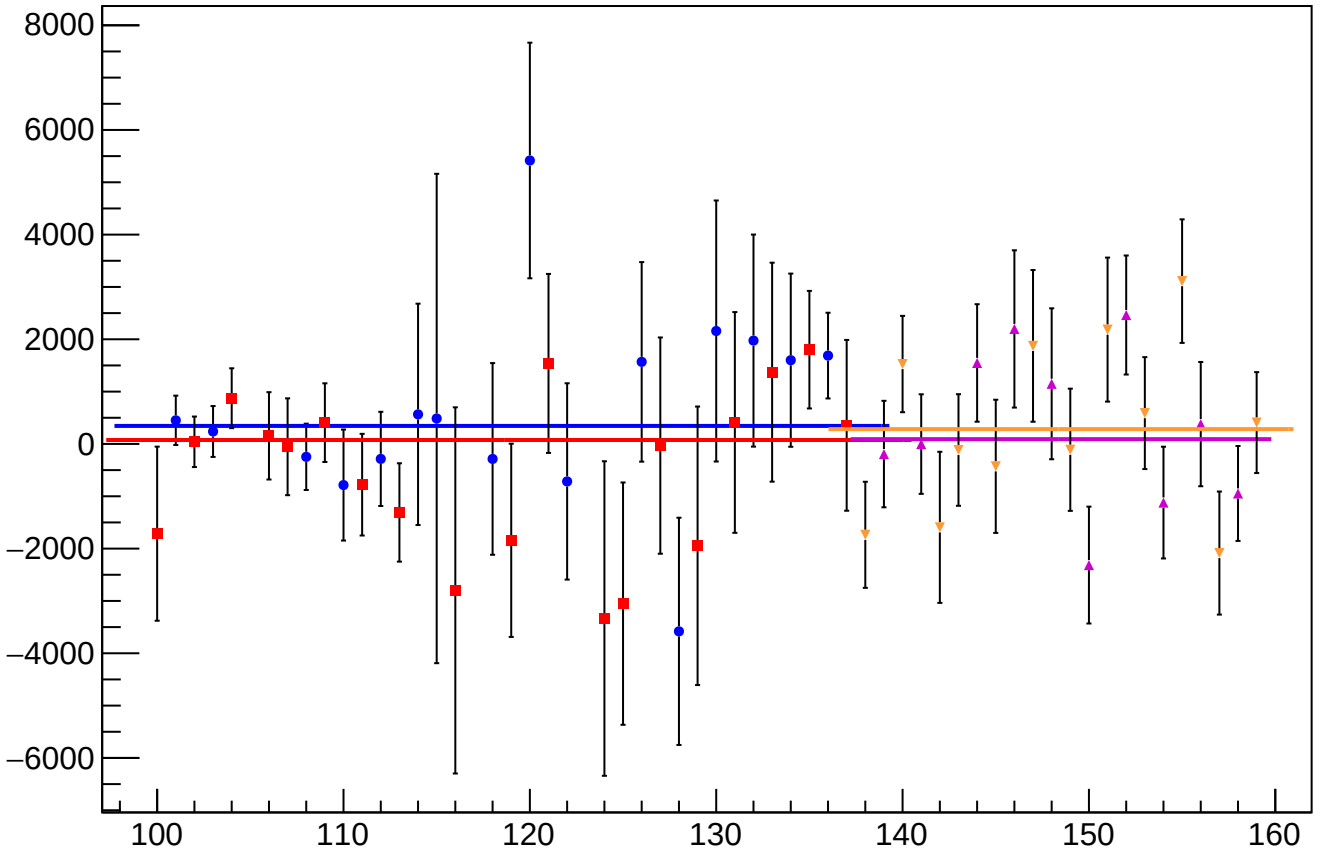
Left: 163.191+/-0.027 χ^2/NDF: 309990.9/21

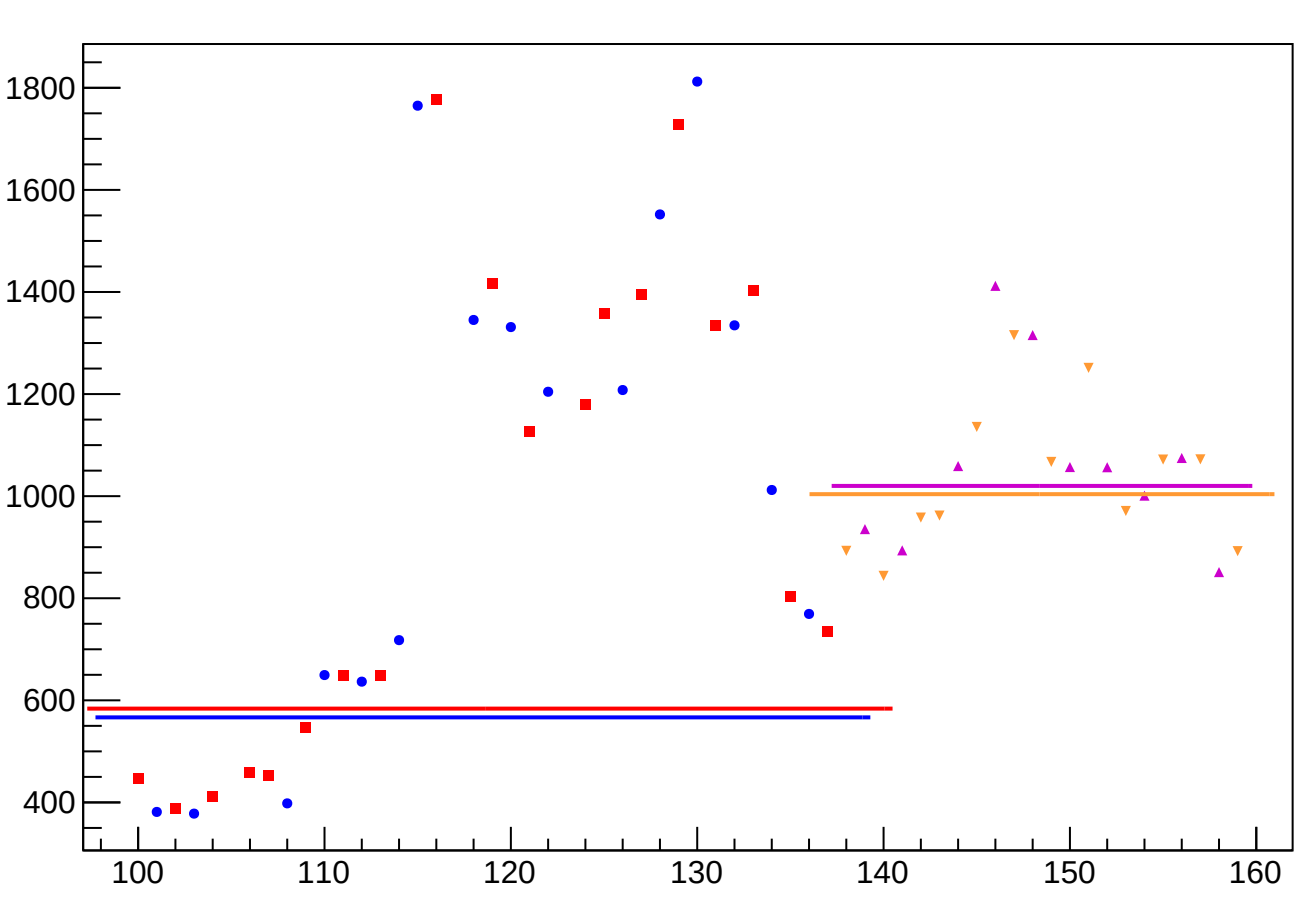
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 138.486+/-0.025 χ^2/NDF:1478595.2/25

Out: 134.005+/-0.024 χ^2/NDF:1792842.7/30

All: 136.107+/-0.017 χ^2/NDF: 3288239.6/56


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 344.436+/-241.531 χ²/NDF: 16.2/15
Left Out: 283.237+/-328.649 χ²/NDF:21.1/11
Right Out: 75.435+/-240.479 χ²/NDF: 15.3/18
Left In: 91.505+/-349.939 χ²/NDF:15.9/9
Left: 193.380+/-239.563 χ²/NDF: 37.1/21
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 262.822+/-198.780 χ²/NDF:32.5/25
Out: 147.898+/-194.073 χ²/NDF:36.6/30
All: 203.983+/-138.865 χ²/NDF: 69.3/56



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1003.911+/-0.232 χ^2/NDF:315898.3/11

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1020.073+/-0.247 χ^2/NDF:350026.9/9

Left: 1011.485+/-0.169 χ^2/NDF: 668192.0/21

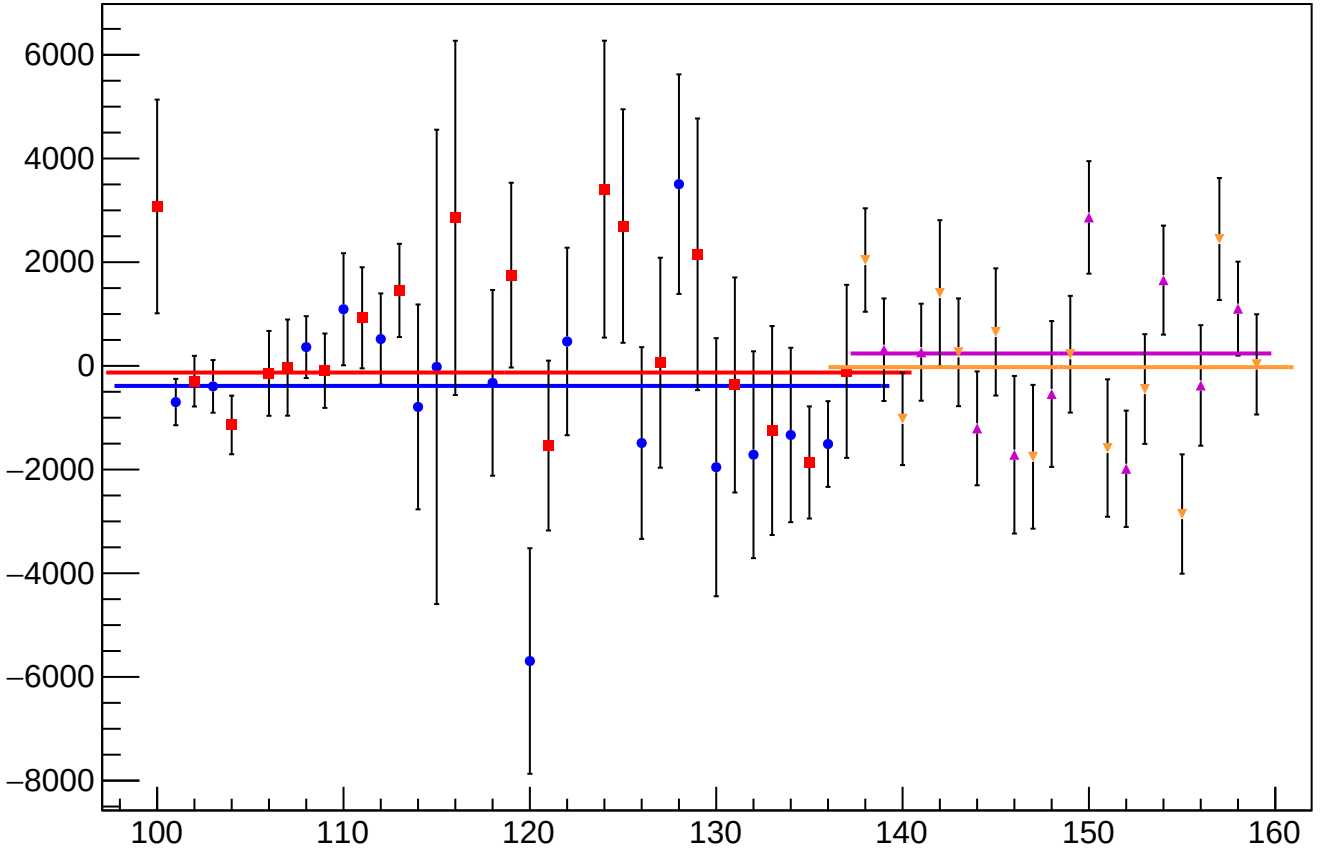
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 712.925+/-0.141 χ^2/NDF:6057266.7/25

Out: 730.293+/-0.137 χ^2/NDF:5551949.8/30

All: 721.817+/-0.098 χ^2/NDF: 11617033.1/56

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -24.892+/-321.489 χ^2/NDF:20.6/11

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 239.281+/-344.317 χ^2/NDF:16.5/9

Left: 98.147+/-234.983 χ^2/NDF: 37.4/21

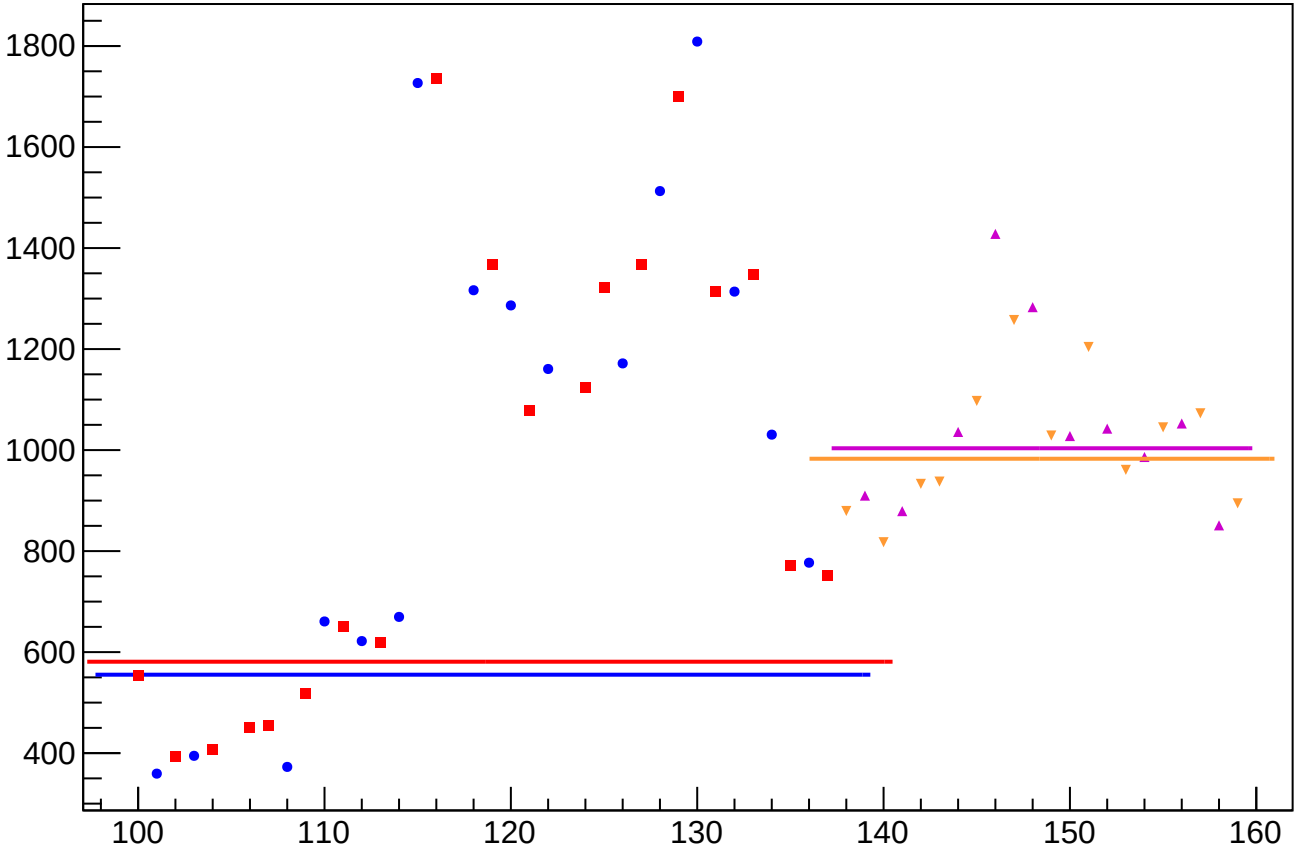
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -184.739+/-195.516 χ^2/NDF:36.7/25

Out: -91.826+/-191.411 χ^2/NDF:40.0/30

All: -137.297+/-136.776 χ^2/NDF: 76.8/56

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 982.884+/-0.227 χ^2/NDF:286520.2/11

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1003.623+/-0.243 χ^2/NDF:354128.5/9

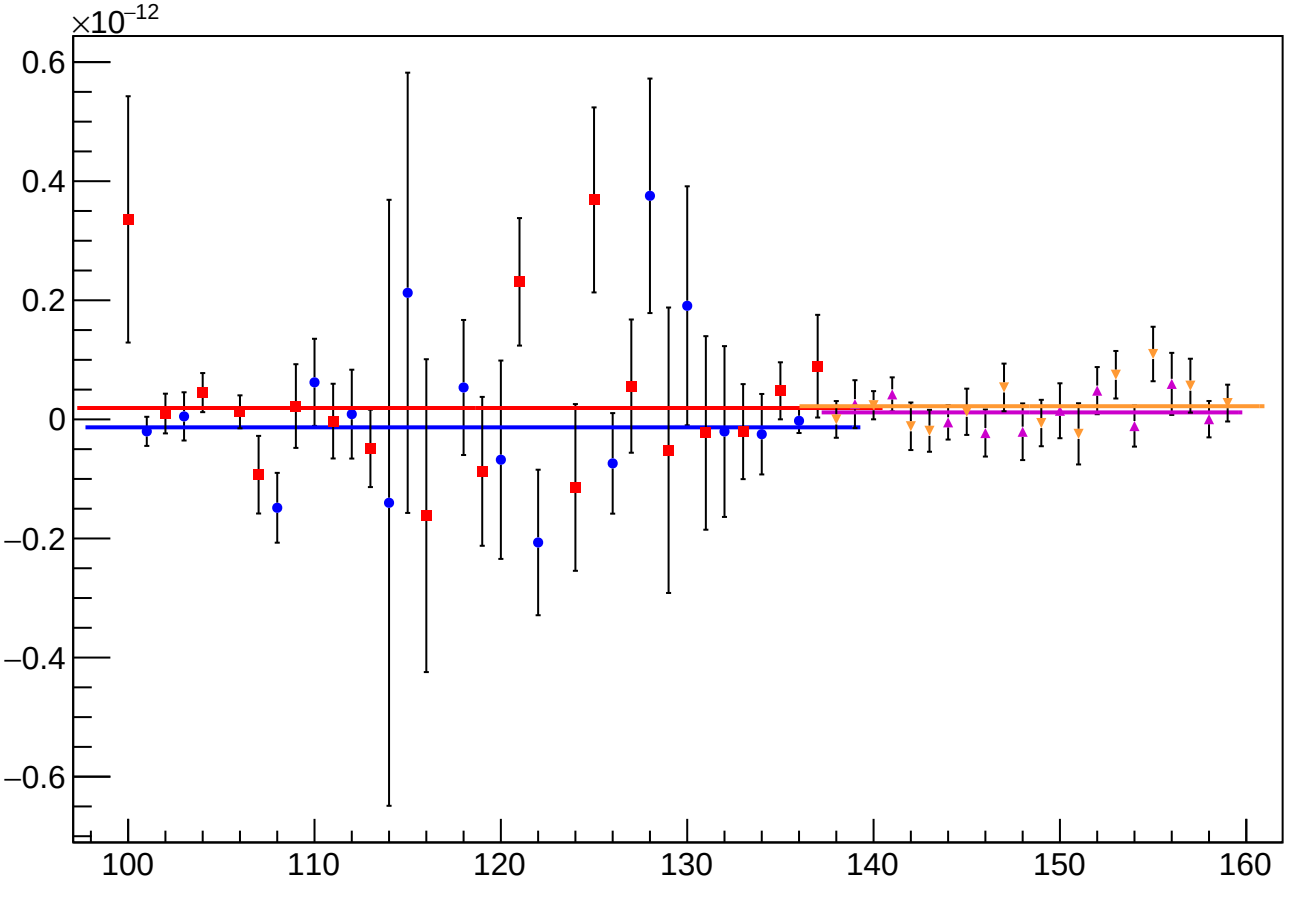
Left: 992.543+/-0.166 χ^2/NDF: 644524.8/21

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 699.851+/-0.138 χ^2/NDF:6134167.7/25

Out: 723.461+/-0.135 χ^2/NDF:5287573.2/30

All: 711.907+/-0.097 χ^2/NDF: 11436631.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

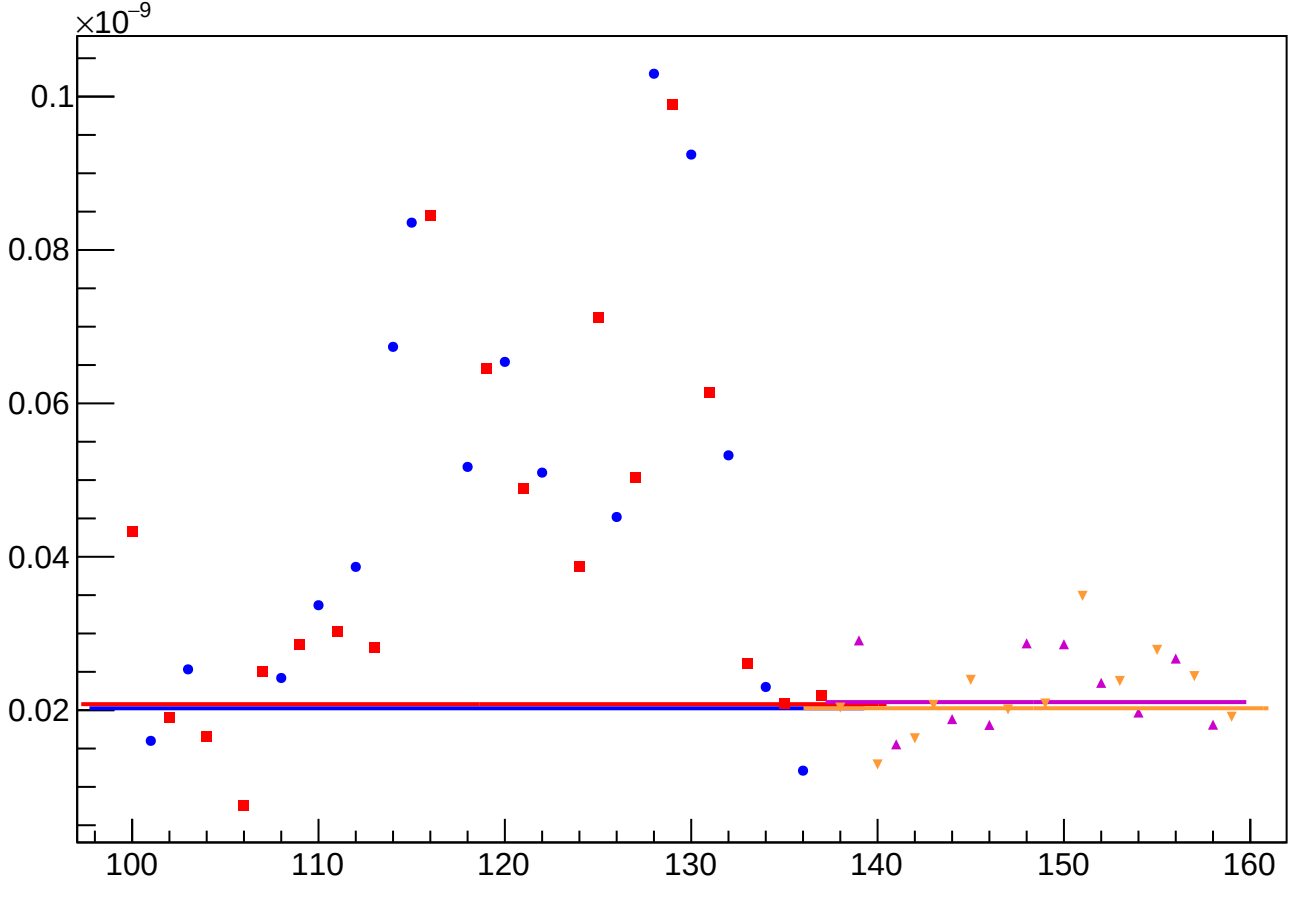
Left: 0.000+/-0.000 χ^2/NDF: 16.2/21

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:23.1/25

Out: 0.000+/-0.000 χ^2/NDF:30.6/30

All: 0.000+/-0.000 χ^2/NDF: 56.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:483174.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:336090.1/9

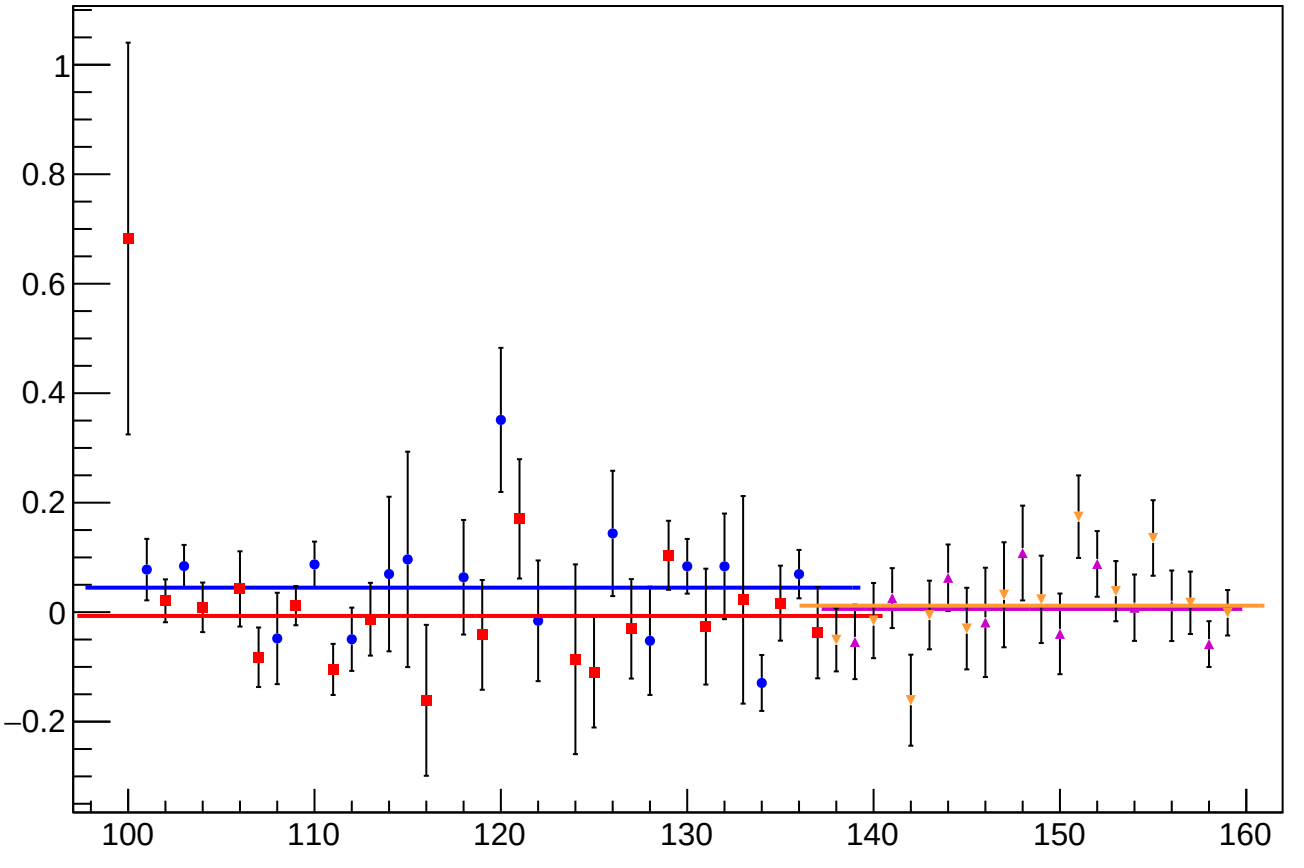
Left: 0.000+/-0.000 χ^2/NDF: 824640.2/21

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2345150.3/25

Out: 0.000+/-0.000 χ^2/NDF:2340963.4/30

All: 0.000+/-0.000 χ^2/NDF: 4687008.4/56



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

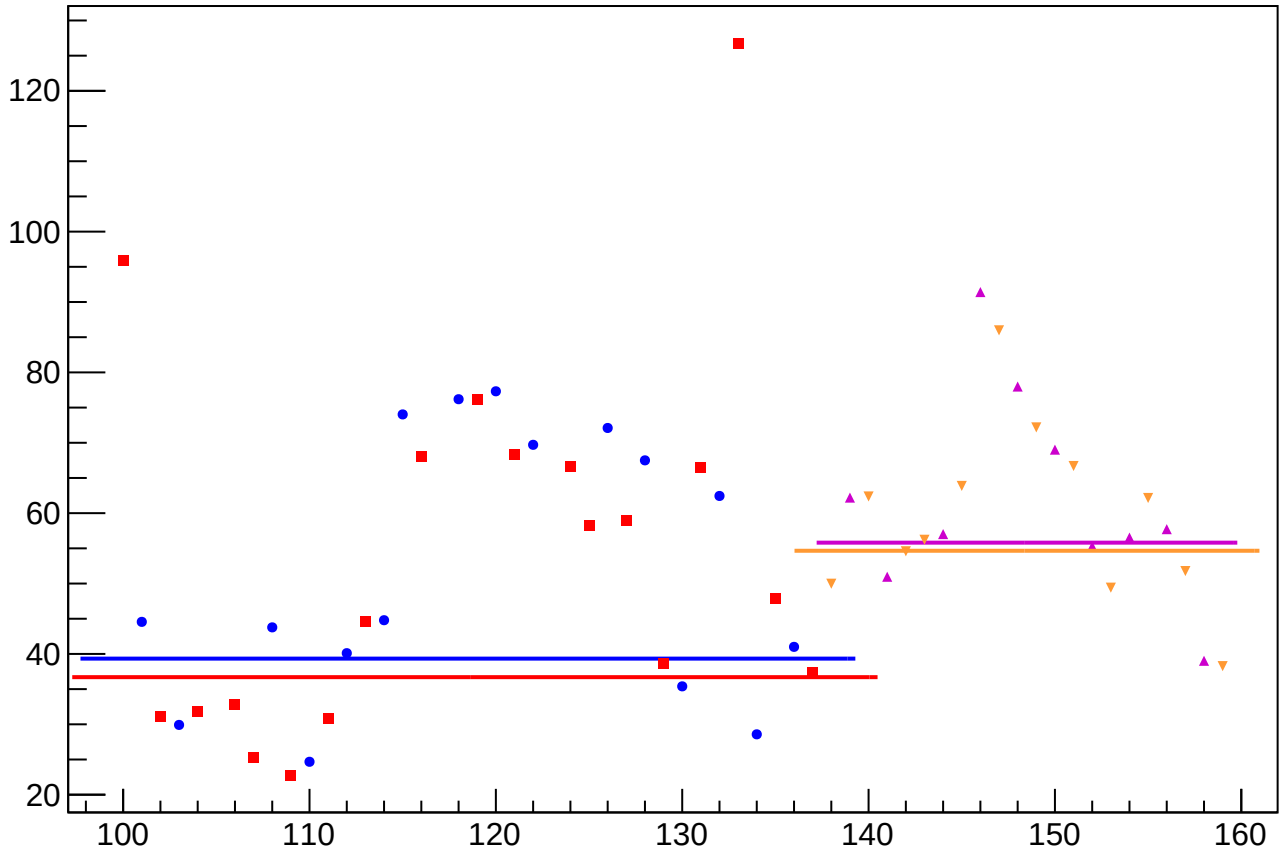
Left: 0.009+/-0.013 χ^2/NDF: 22.2/21

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.014+/-0.009 χ^2/NDF: 74.7/56



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.658+/-0.013 χ^2/NDF:789468.3/11

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

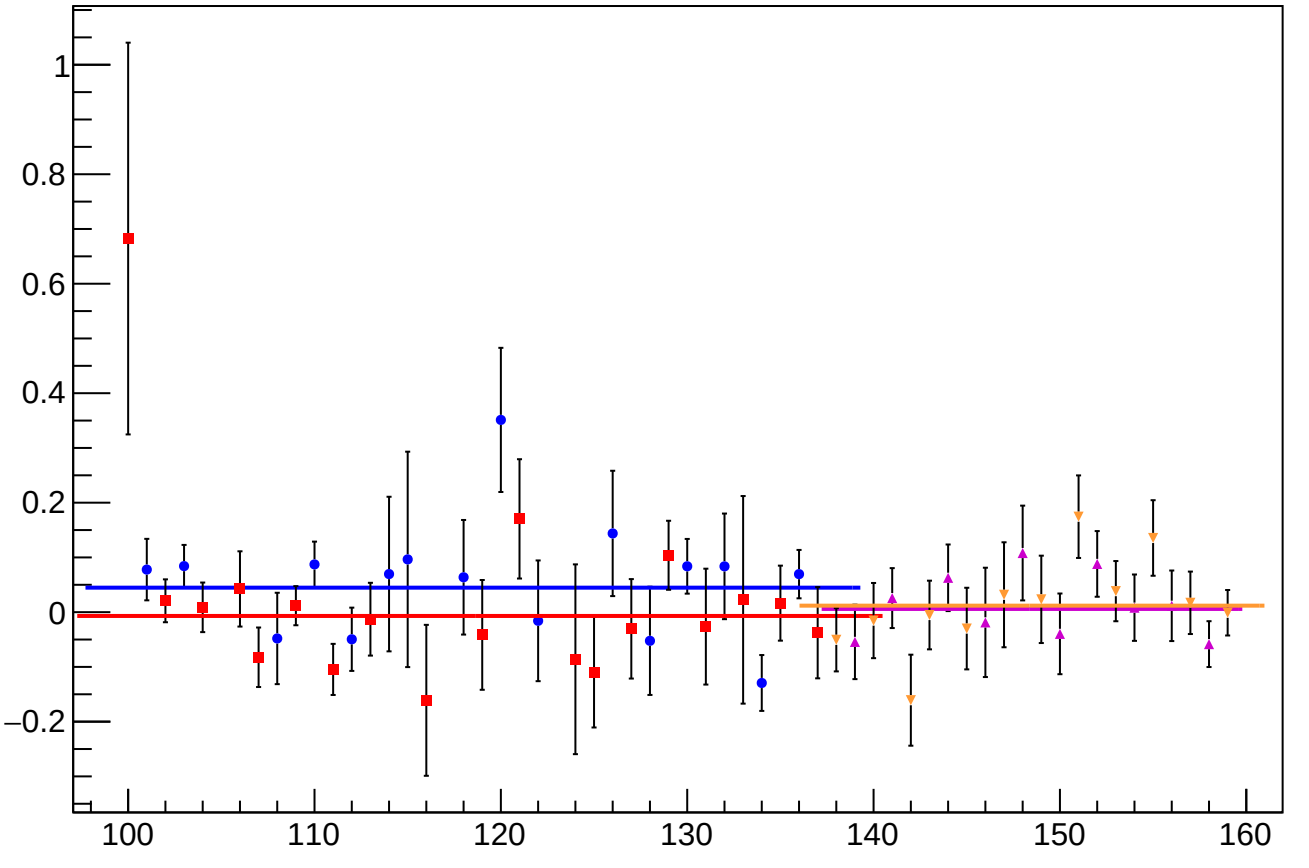
Left: 55.197+/-0.009 χ^2/NDF: 1600800.5/21

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.928+/-0.009 χ^2/NDF:3220589.4/25

Out: 43.943+/-0.008 χ^2/NDF:4025572.0/30

All: 44.875+/-0.006 χ^2/NDF: 7273325.1/56



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

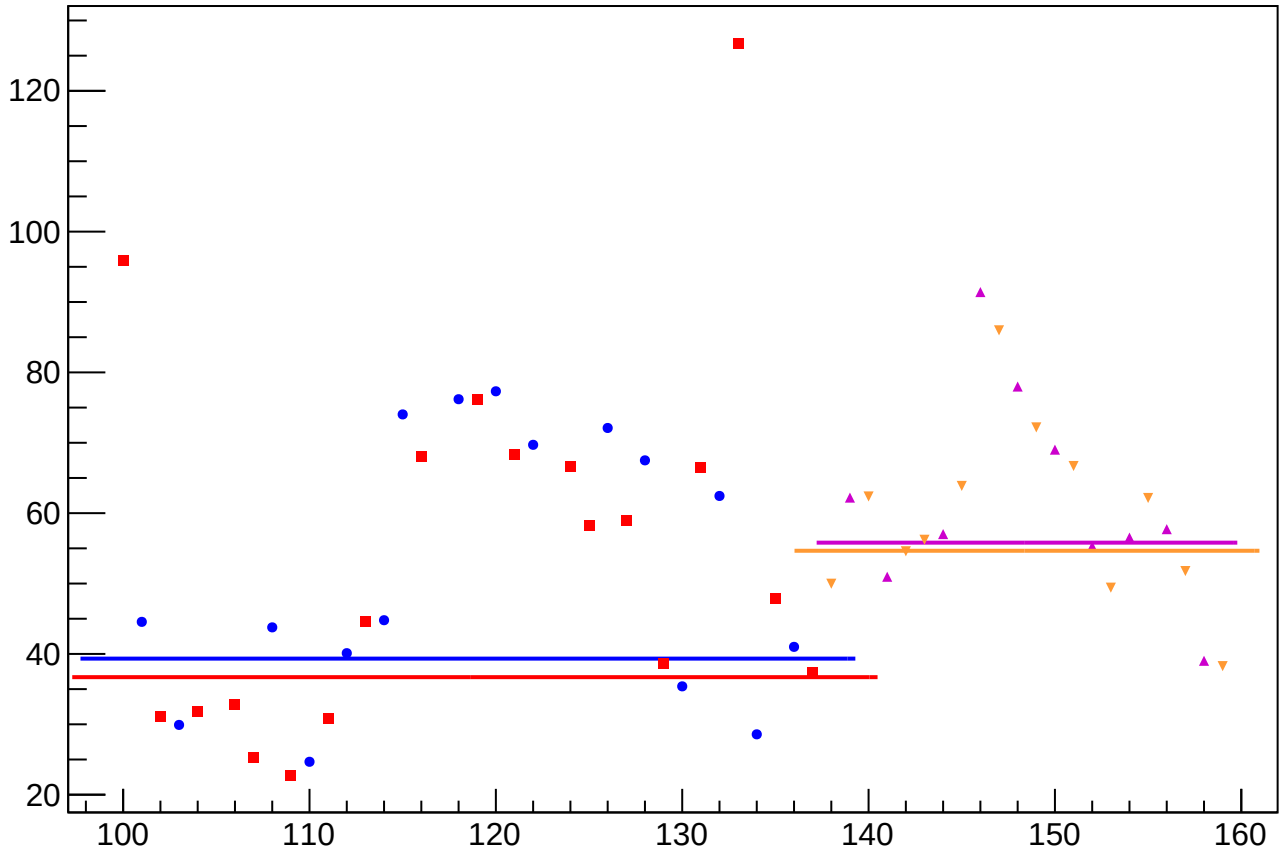
Left: 0.009+/-0.013 χ^2/NDF: 22.2/21

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.014+/-0.009 χ^2/NDF: 74.7/56



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.658+/-0.013 χ^2/NDF:789468.3/11

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

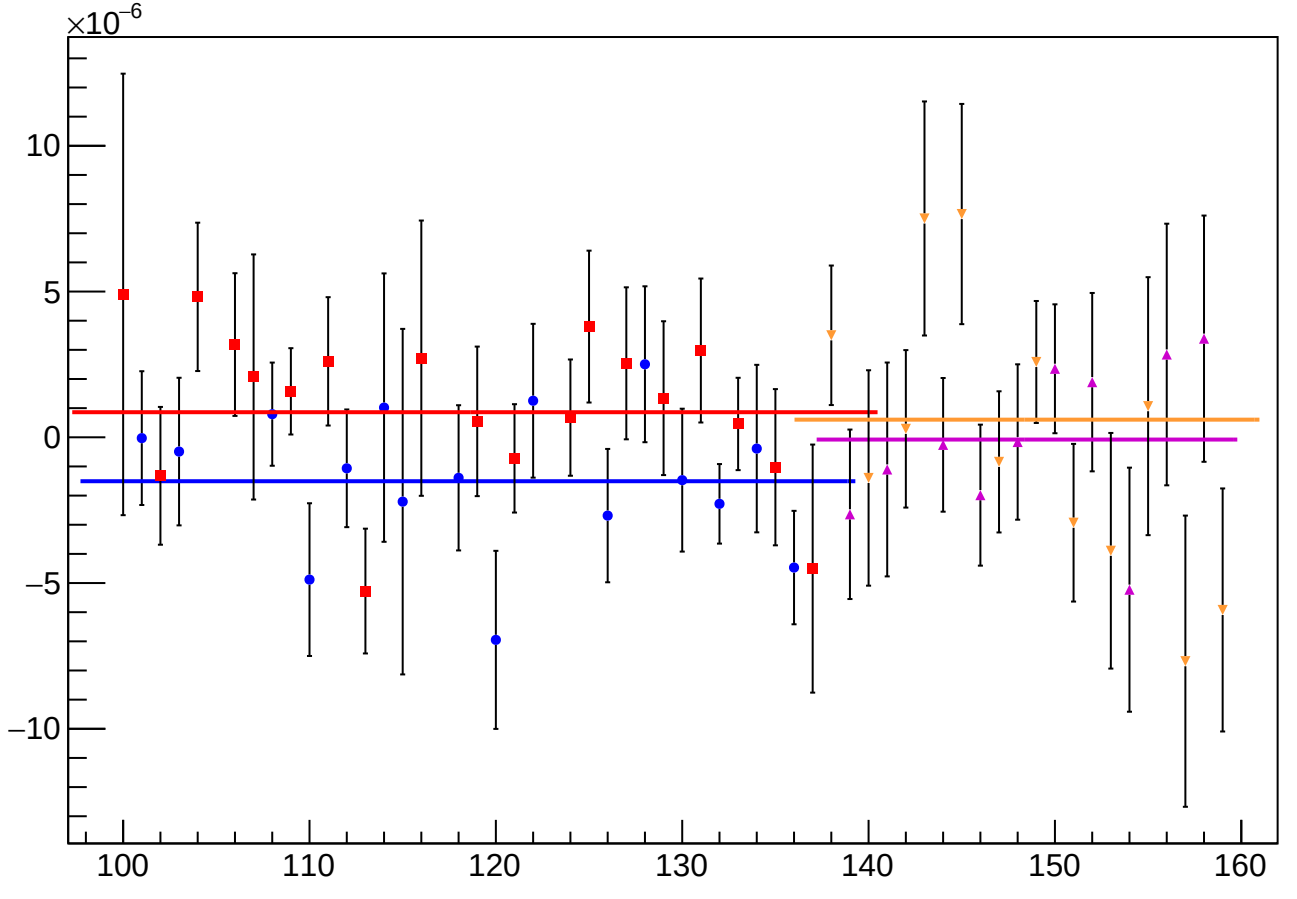
Left: 55.197+/-0.009 χ^2/NDF: 1600800.5/21

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.928+/-0.009 χ^2/NDF:3220589.4/25

Out: 43.943+/-0.008 χ^2/NDF:4025572.0/30

All: 44.875+/-0.006 χ^2/NDF: 7273325.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/9

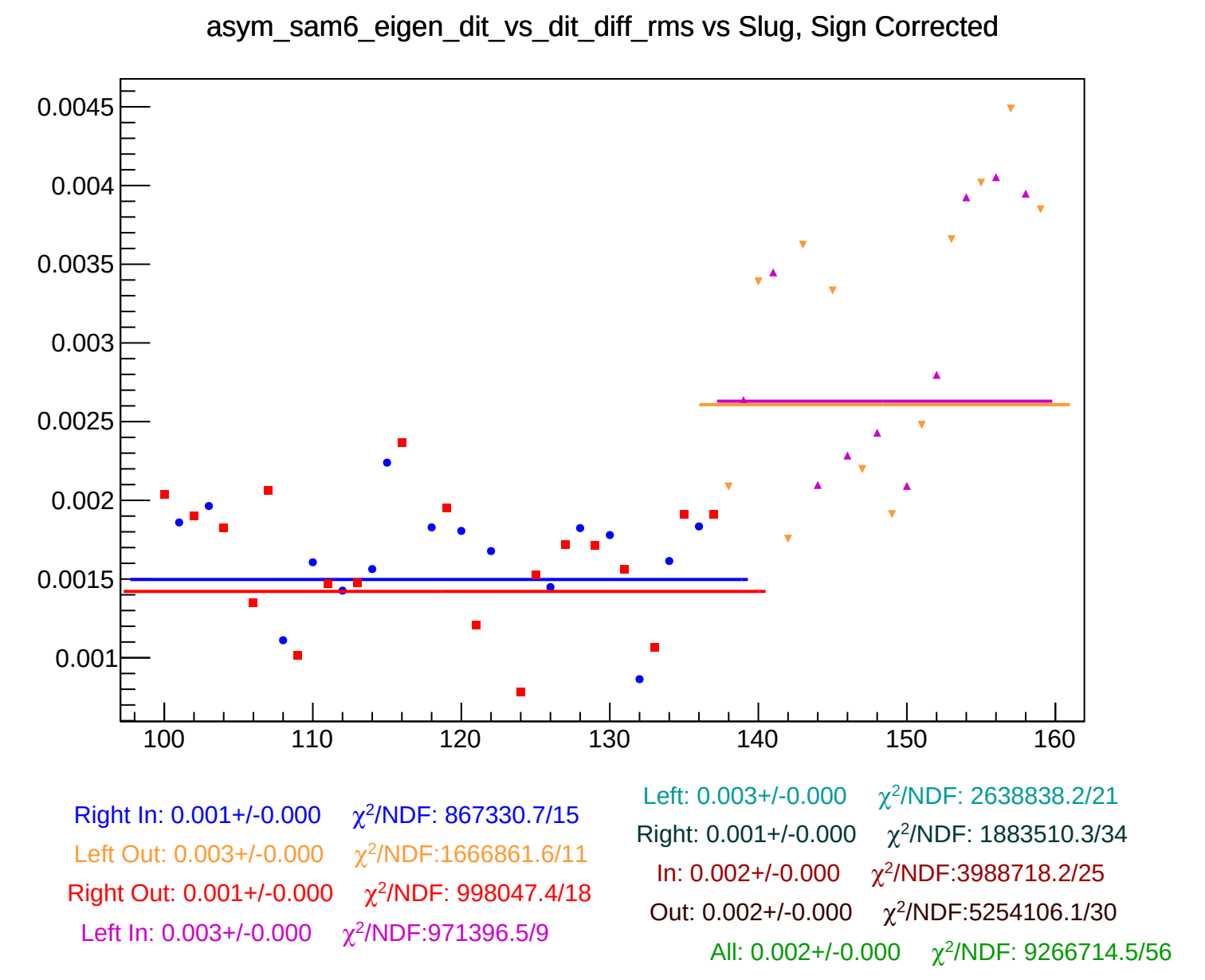
Left: 0.000+/-0.000 χ^2/NDF: 23.6/21

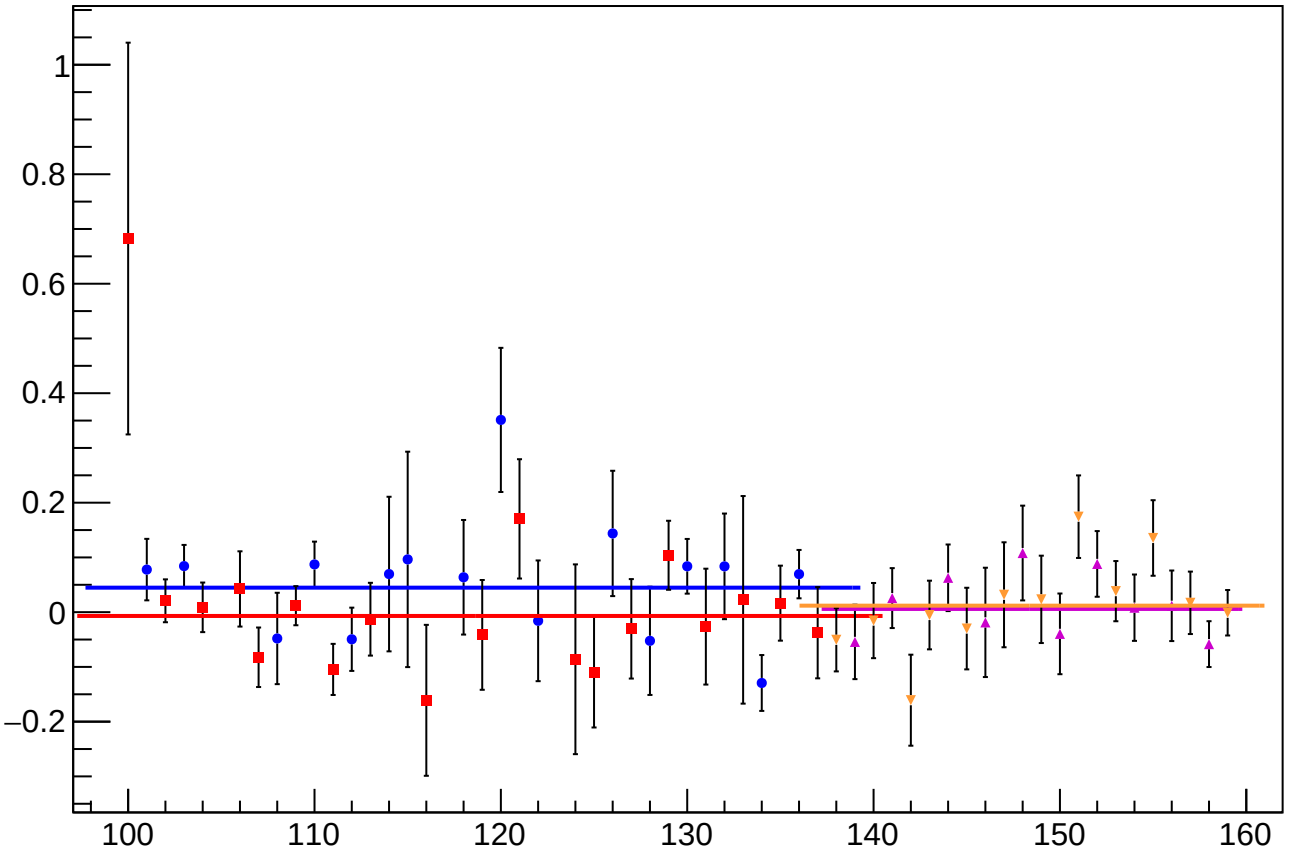
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:21.3/25

Out: 0.000+/-0.000 χ^2/NDF:36.8/30

All: -0.000+/-0.000 χ^2/NDF: 66.0/56


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
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1666861.6/11
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:971396.5/9
Left: 0.003+/-0.000 χ²/NDF: 2638838.2/21
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:3988718.2/25
Out: 0.002+/-0.000 χ²/NDF:5254106.1/30
All: 0.002+/-0.000 χ²/NDF: 9266714.5/56



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

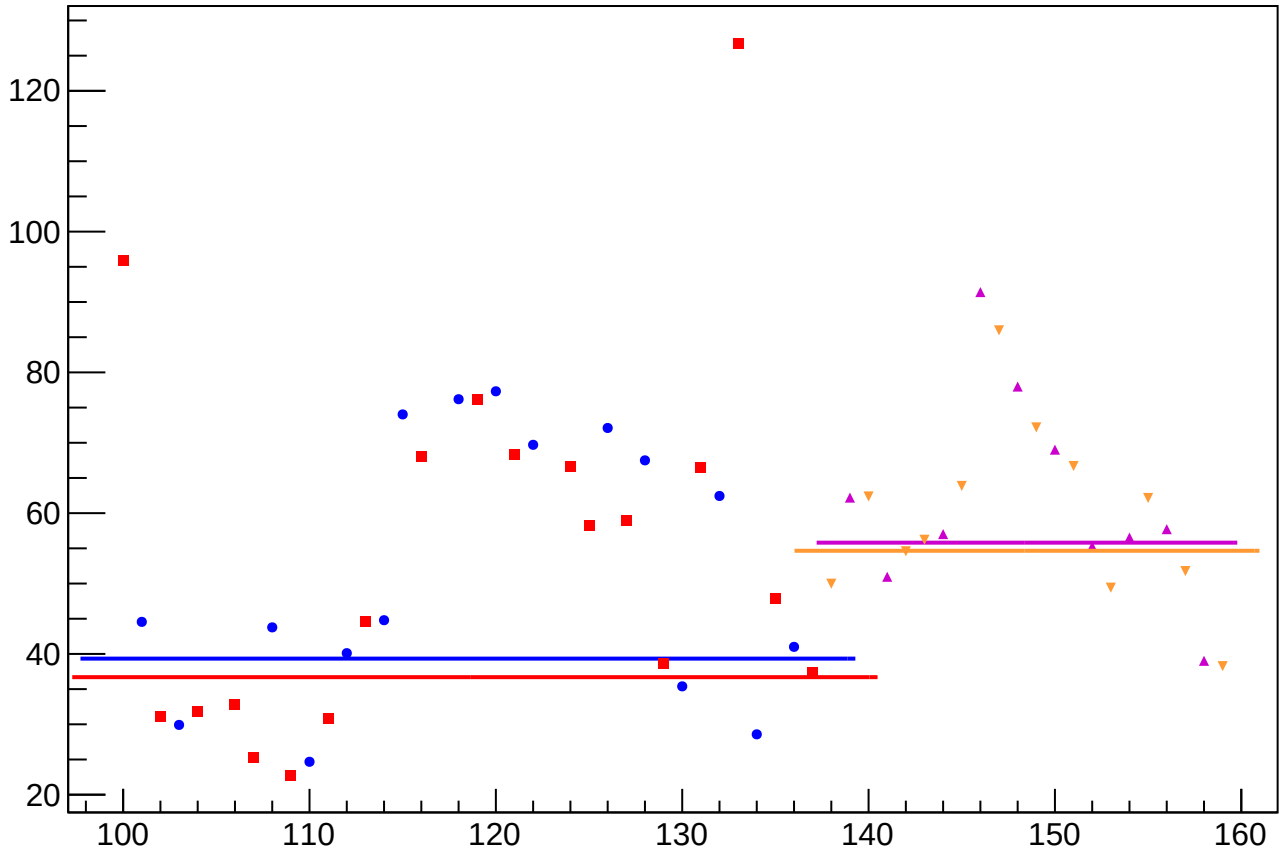
Left: 0.009+/-0.013 χ^2/NDF: 22.2/21

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.014+/-0.009 χ^2/NDF: 74.7/56



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.657+/-0.013 χ^2/NDF:789552.2/11

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

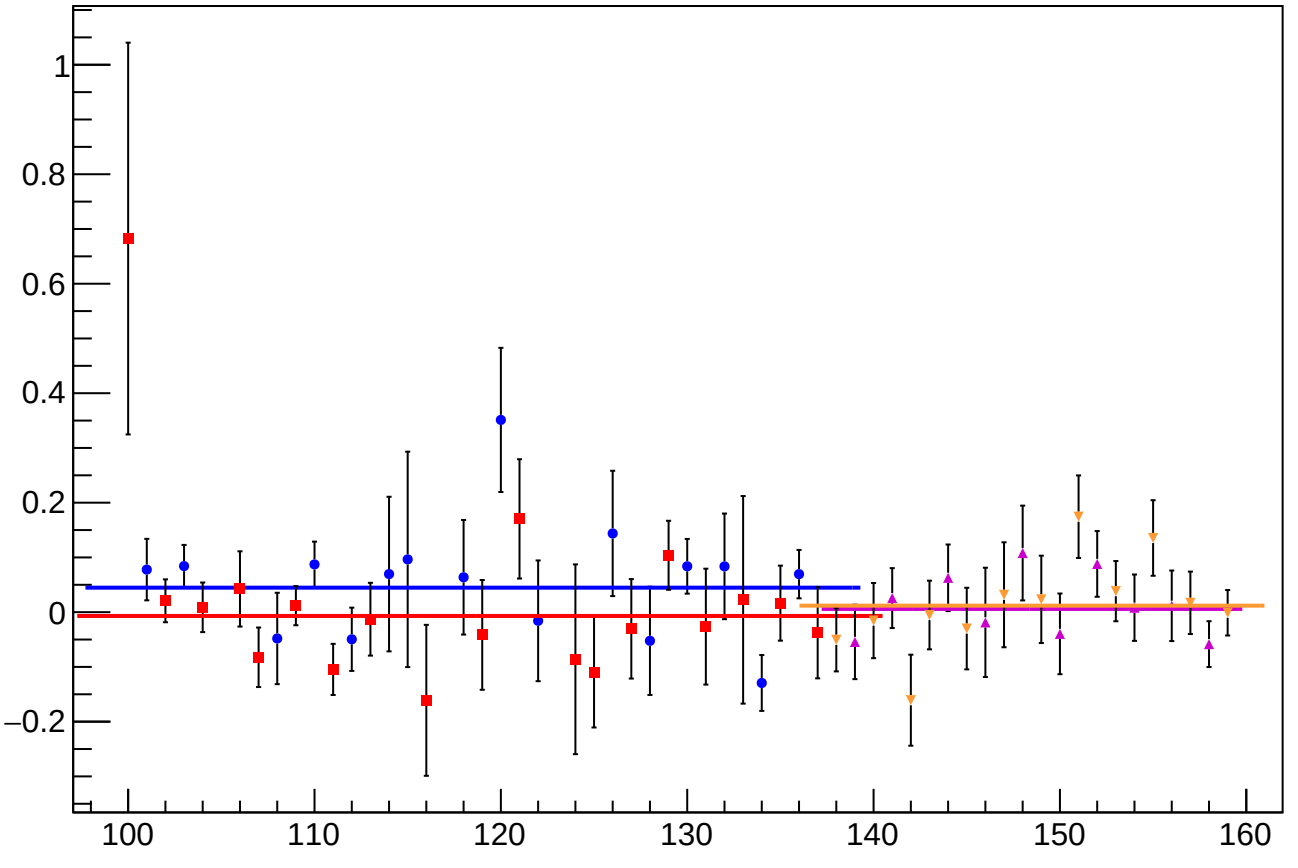
Left: 55.196+/-0.009 χ^2/NDF: 1600998.1/21

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.927+/-0.009 χ^2/NDF:3220680.7/25

Out: 43.942+/-0.008 χ^2/NDF:4025565.3/30

All: 44.874+/-0.006 χ^2/NDF: 7273404.1/56



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

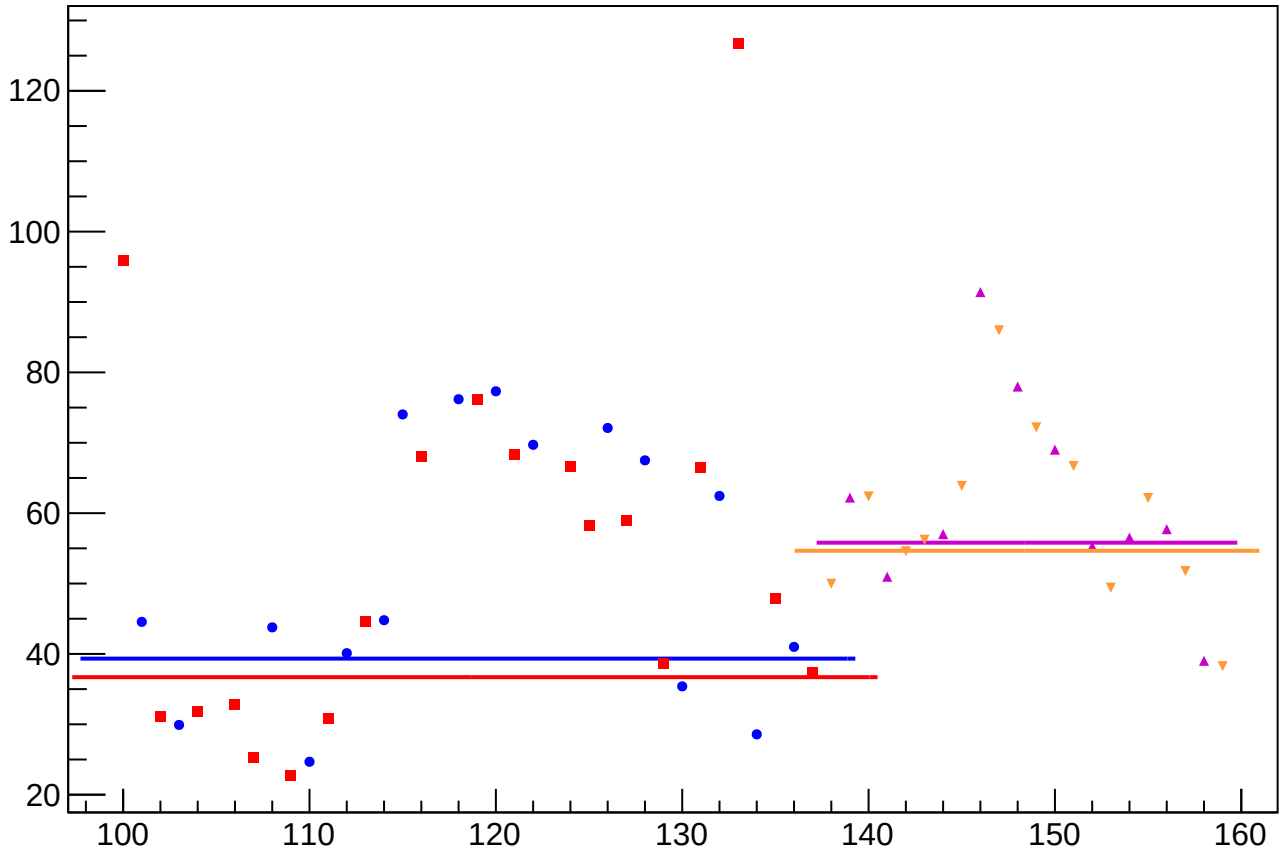
Left: 0.009+/-0.013 χ^2/NDF: 22.2/21

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.014+/-0.009 χ^2/NDF: 74.7/56



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.657+/-0.013 χ^2/NDF:789552.2/11

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

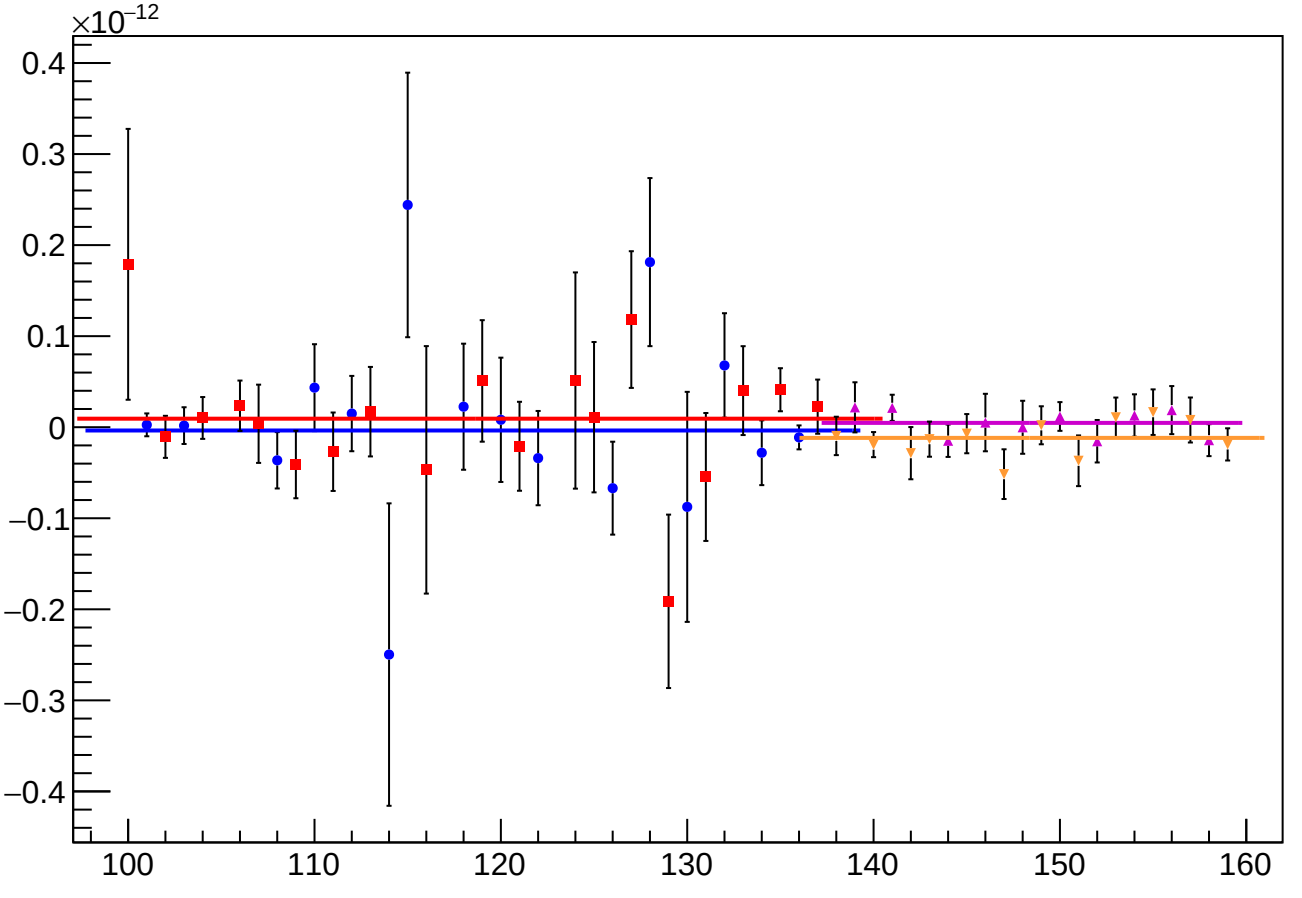
Left: 55.196+/-0.009 χ^2/NDF: 1600998.1/21

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.927+/-0.009 χ^2/NDF:3220680.7/25

Out: 43.942+/-0.008 χ^2/NDF:4025565.3/30

All: 44.874+/-0.006 χ^2/NDF: 7273404.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/9

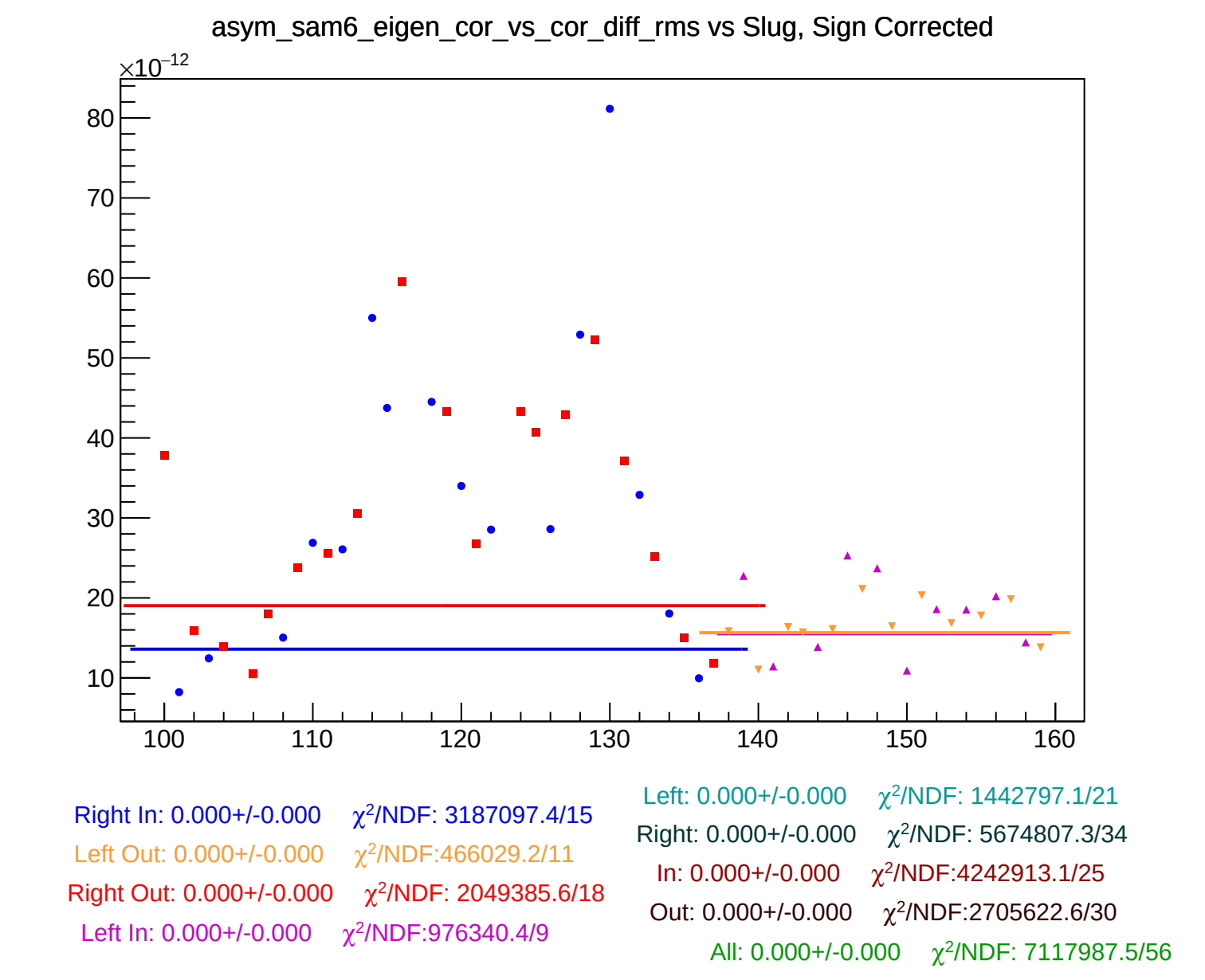
Left: -0.000+/-0.000 χ^2/NDF: 16.1/21

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

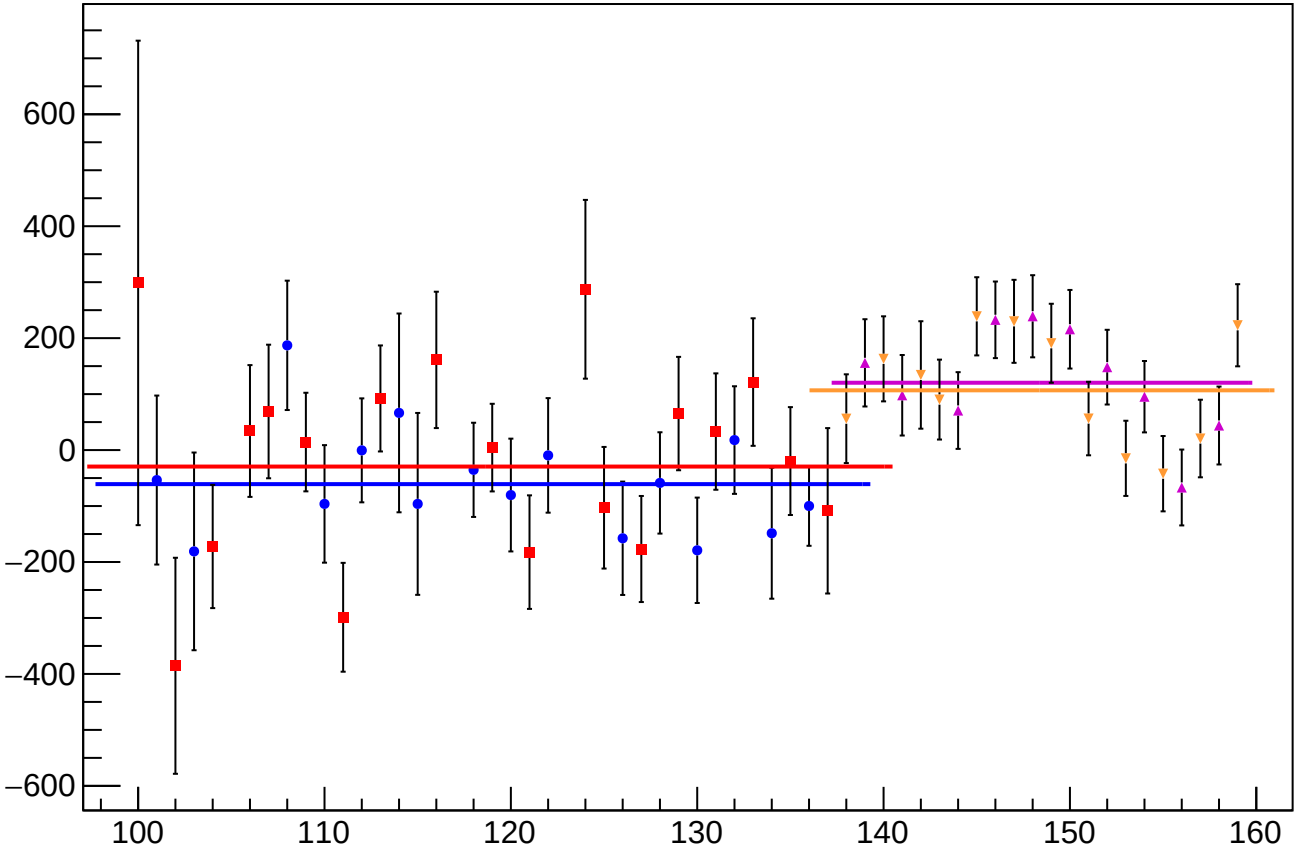
In: 0.000+/-0.000 χ^2/NDF:22.8/25

Out: -0.000+/-0.000 χ^2/NDF:26.7/30

All: -0.000+/-0.000 χ^2/NDF: 50.3/56


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
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:466029.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:976340.4/9
Left: 0.000+/-0.000 χ²/NDF: 1442797.1/21
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4242913.1/25
Out: 0.000+/-0.000 χ²/NDF:2705622.6/30
All: 0.000+/-0.000 χ²/NDF: 7117987.5/56

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.748+/-20.885 χ^2/NDF:21.7/11

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 120.310+/-21.996 χ^2/NDF:17.2/9

Left: 113.178+/-15.145 χ^2/NDF: 39.0/21

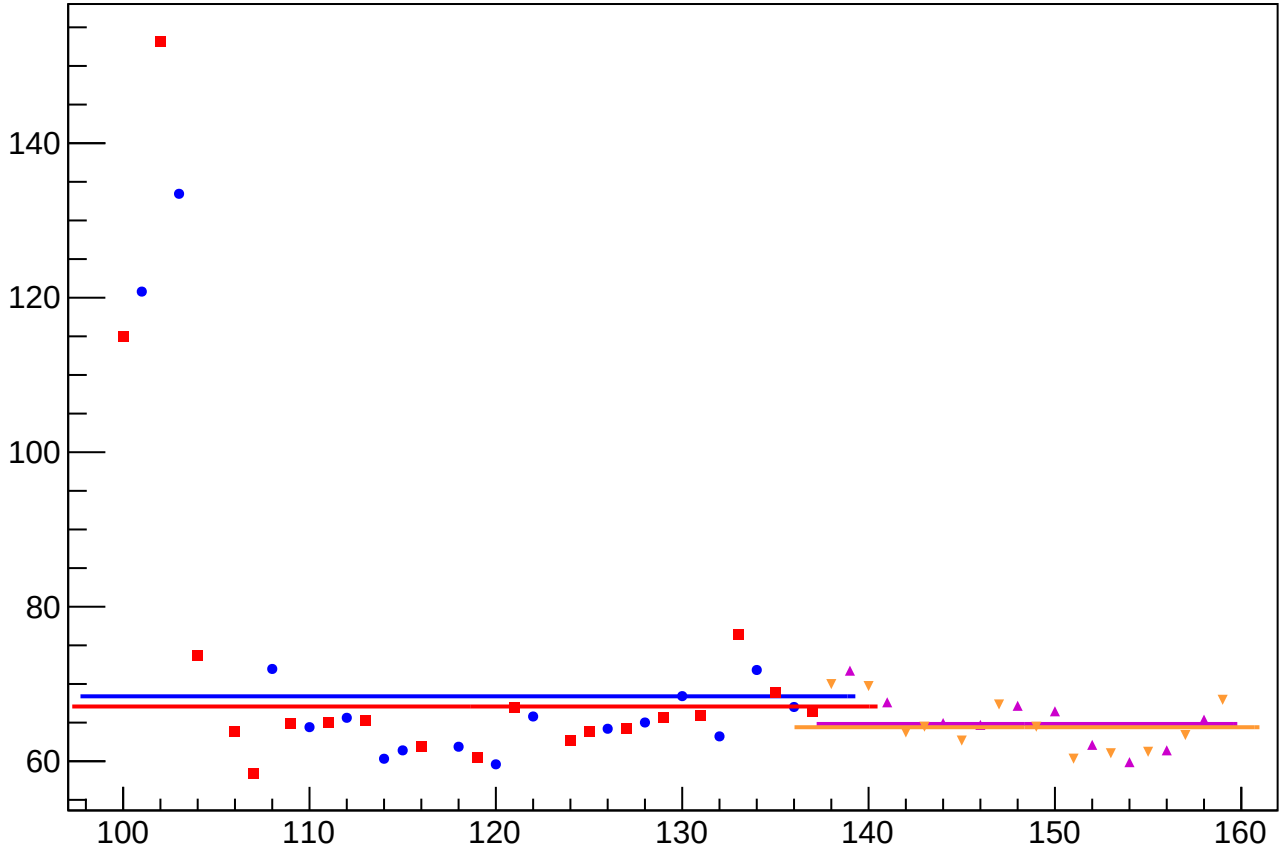
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 44.922+/-16.807 χ^2/NDF:56.0/25

Out: 51.043+/-16.056 χ^2/NDF:70.3/30

All: 48.122+/-11.610 χ^2/NDF: 126.3/56

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.402+/-0.015 χ^2/NDF:46511.5/11

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

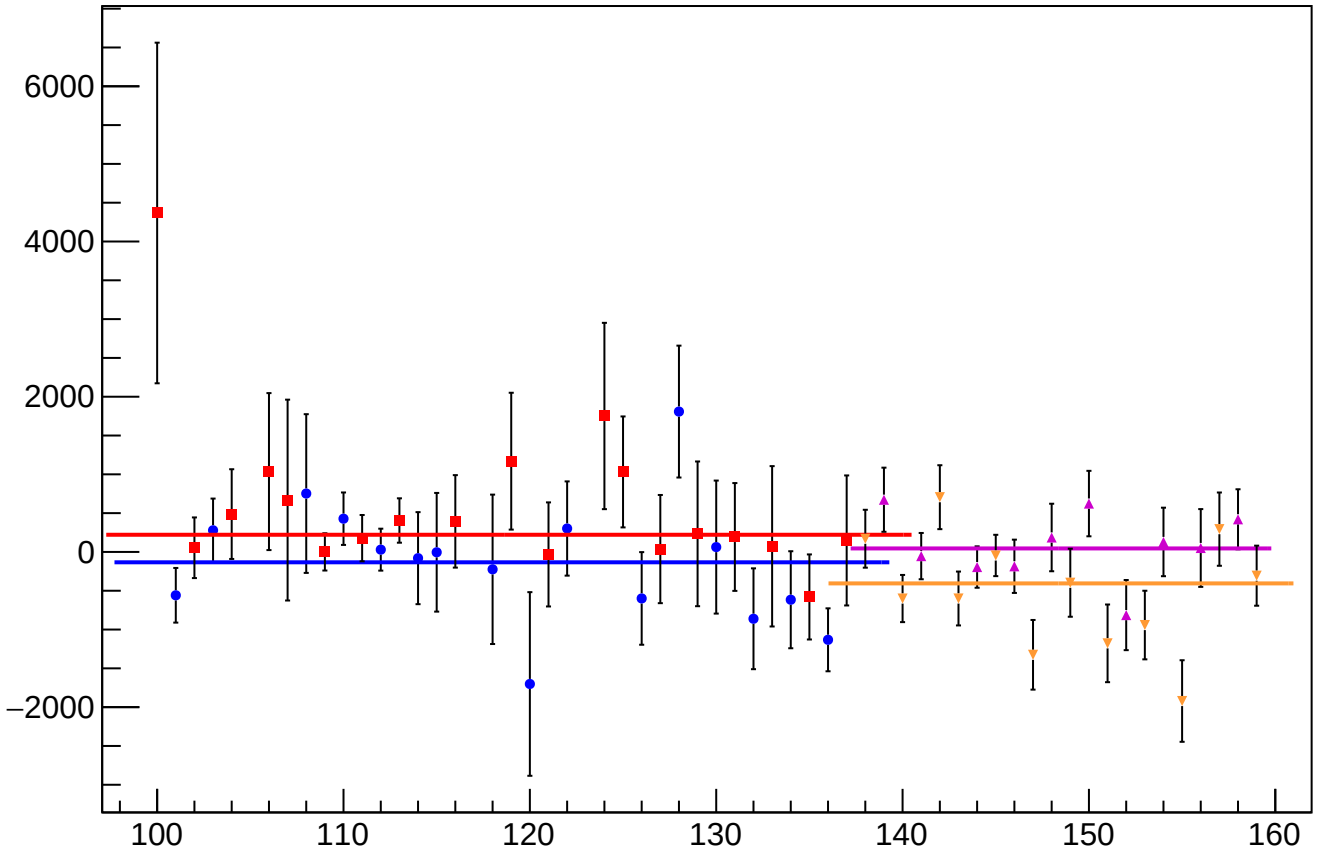
Left: 64.602+/-0.011 χ^2/NDF: 89247.7/21

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.314+/-0.012 χ^2/NDF:633940.1/25

Out: 65.500+/-0.011 χ^2/NDF:541829.9/30

All: 65.888+/-0.008 χ^2/NDF: 1178222.3/56



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -405.417+/-111.539 χ^2/NDF:30.8/11

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 45.088+/-118.464 χ^2/NDF:10.2/9

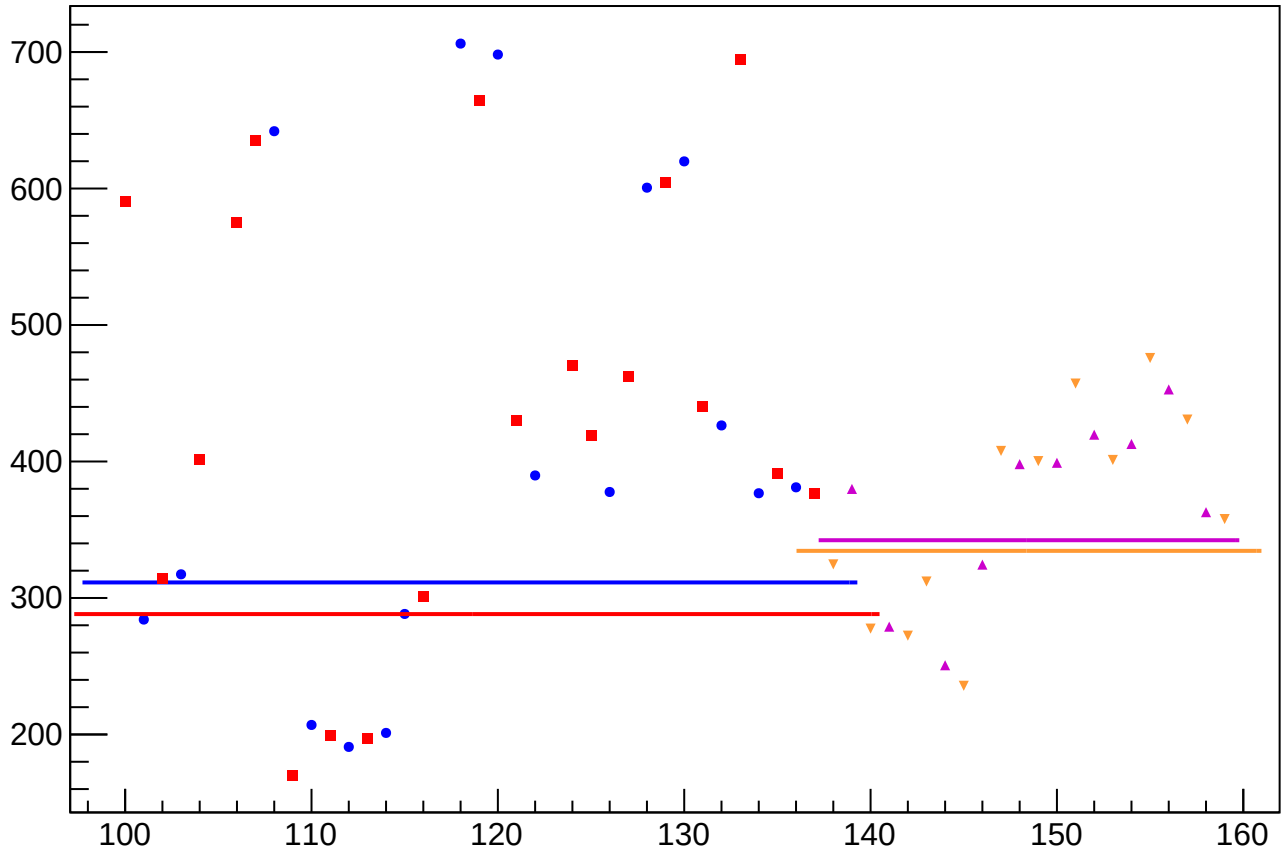
Left: -193.717+/-81.208 χ^2/NDF: 48.8/21

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -38.816+/-86.277 χ^2/NDF:33.8/25

Out: -109.099+/-80.987 χ^2/NDF:58.3/30

All: -76.178+/-59.048 χ^2/NDF: 92.5/56



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 334.530+/-0.079 χ^2/NDF:899847.4/11

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 342.320+/-0.084 χ^2/NDF:629732.4/9

Left: 338.190+/-0.057 χ^2/NDF: 1534163.9/21

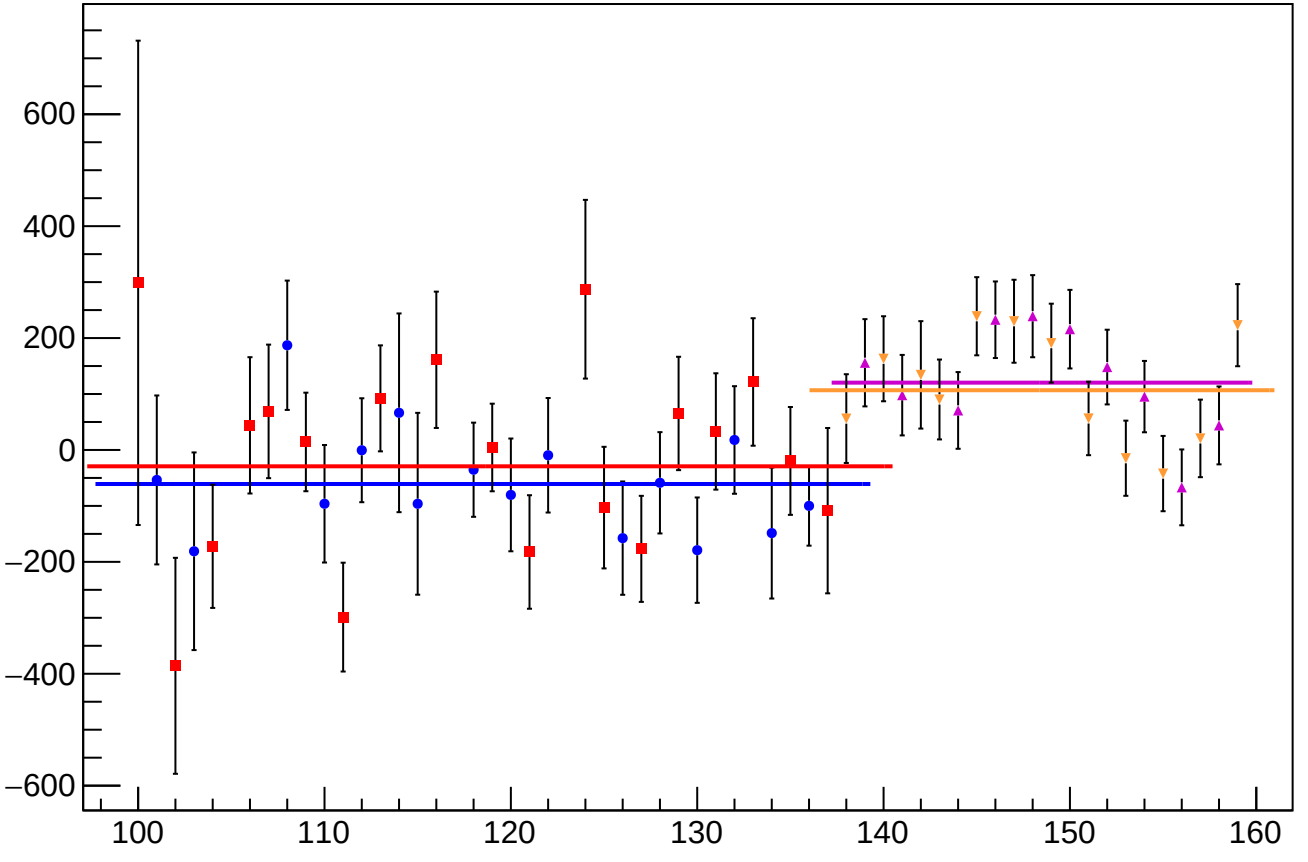
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 327.794+/-0.061 χ^2/NDF:2817566.9/25

Out: 312.628+/-0.057 χ^2/NDF:3778338.1/30

All: 319.732+/-0.042 χ^2/NDF: 6628757.5/56

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.750+/-20.885 χ^2/NDF:21.7/11

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 120.311+/-21.996 χ^2/NDF:17.2/9

Left: 113.179+/-15.145 χ^2/NDF: 39.0/21

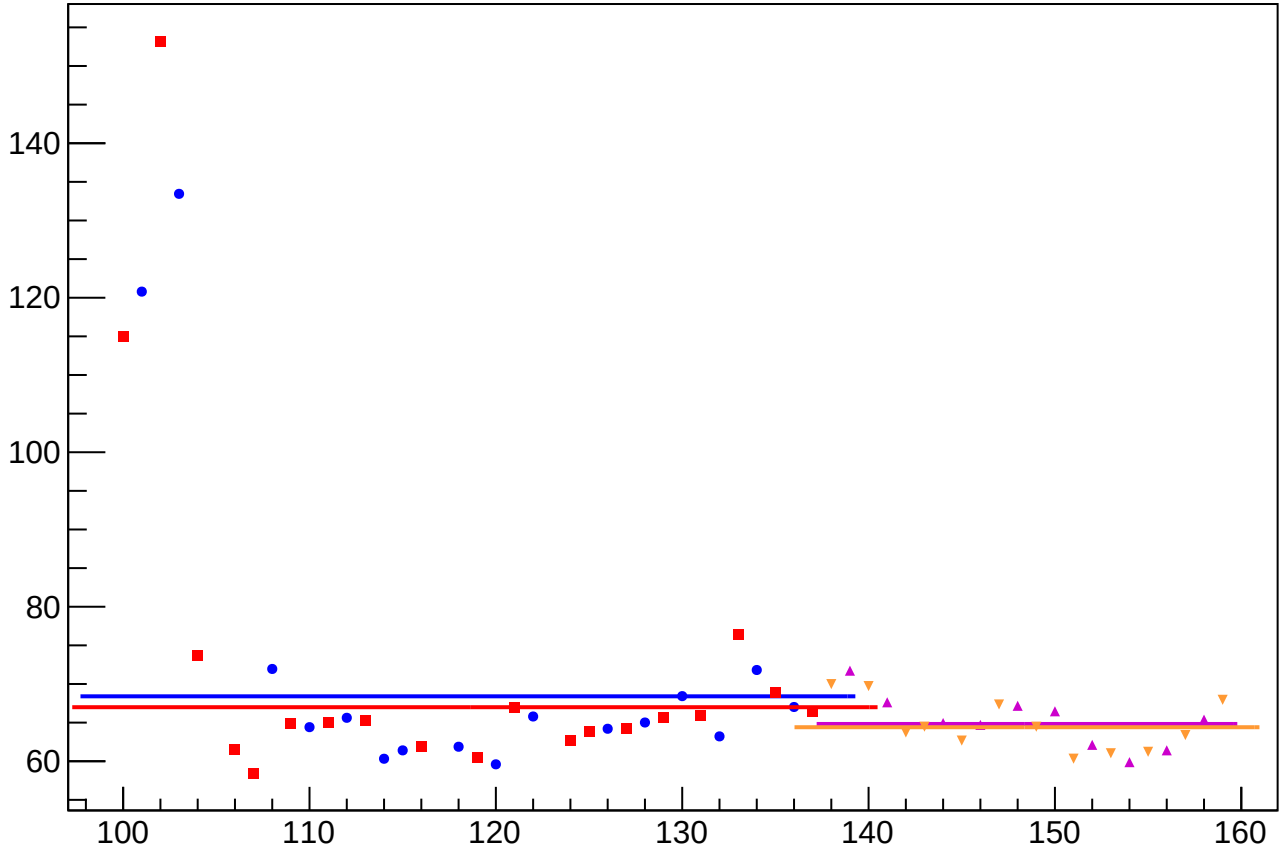
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 44.921+/-16.807 χ^2/NDF:56.0/25

Out: 51.238+/-16.065 χ^2/NDF:70.3/30

All: 48.222+/-11.613 χ^2/NDF: 126.3/56

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.402+/-0.015 χ^2/NDF:46511.5/11

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

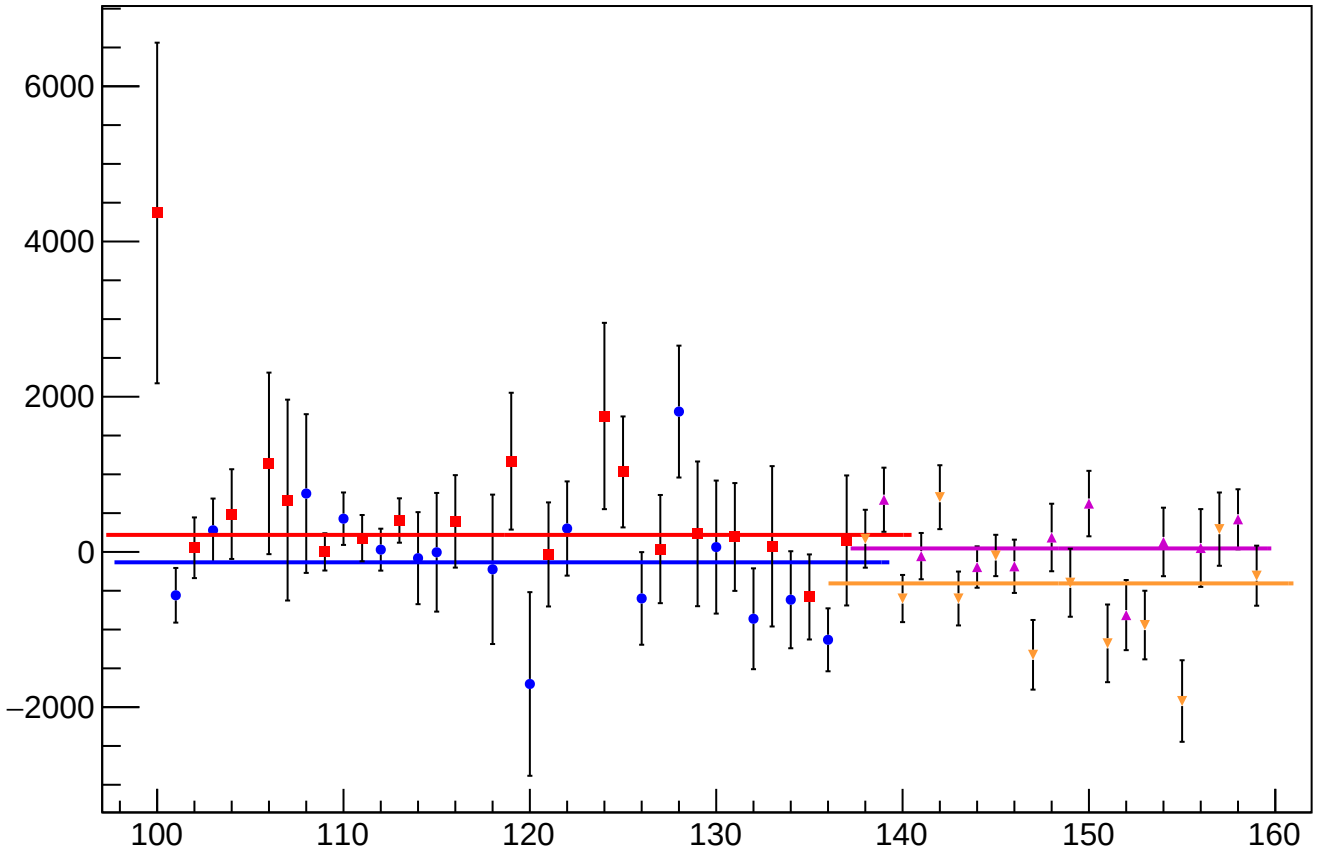
Left: 64.602+/-0.011 χ^2/NDF: 89247.7/21

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.314+/-0.012 χ^2/NDF:633940.4/25

Out: 65.461+/-0.011 χ^2/NDF:543578.8/30

All: 65.868+/-0.008 χ^2/NDF: 1180211.4/56



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -405.416+/-111.539 χ^2/NDF:30.8/11

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 45.085+/-118.464 χ^2/NDF:10.2/9

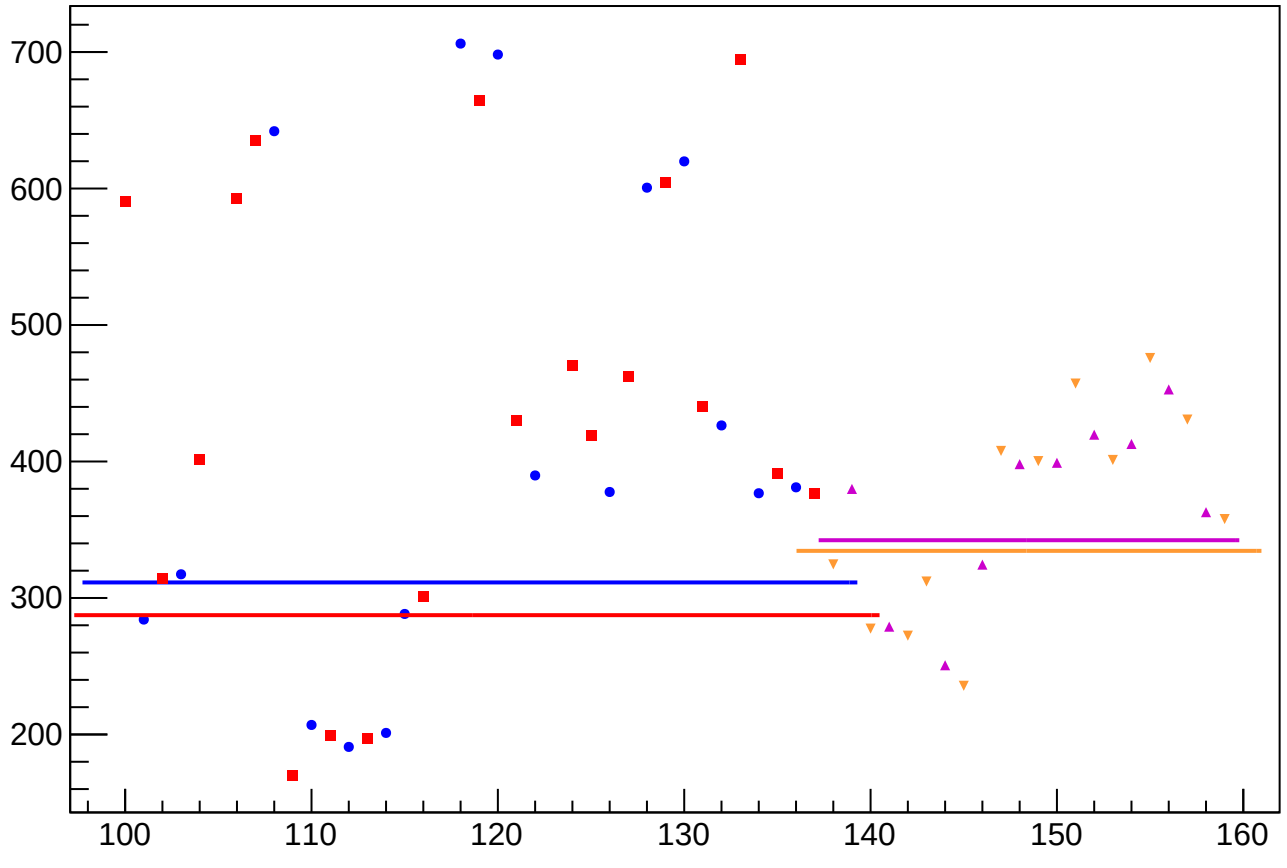
Left: -193.718+/-81.208 χ^2/NDF: 48.8/21

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -38.816+/-86.277 χ^2/NDF:33.8/25

Out: -110.453+/-81.054 χ^2/NDF:58.2/30

All: -76.868+/-59.074 χ^2/NDF: 92.3/56



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.530+/-0.079 χ^2/NDF:899852.7/11

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

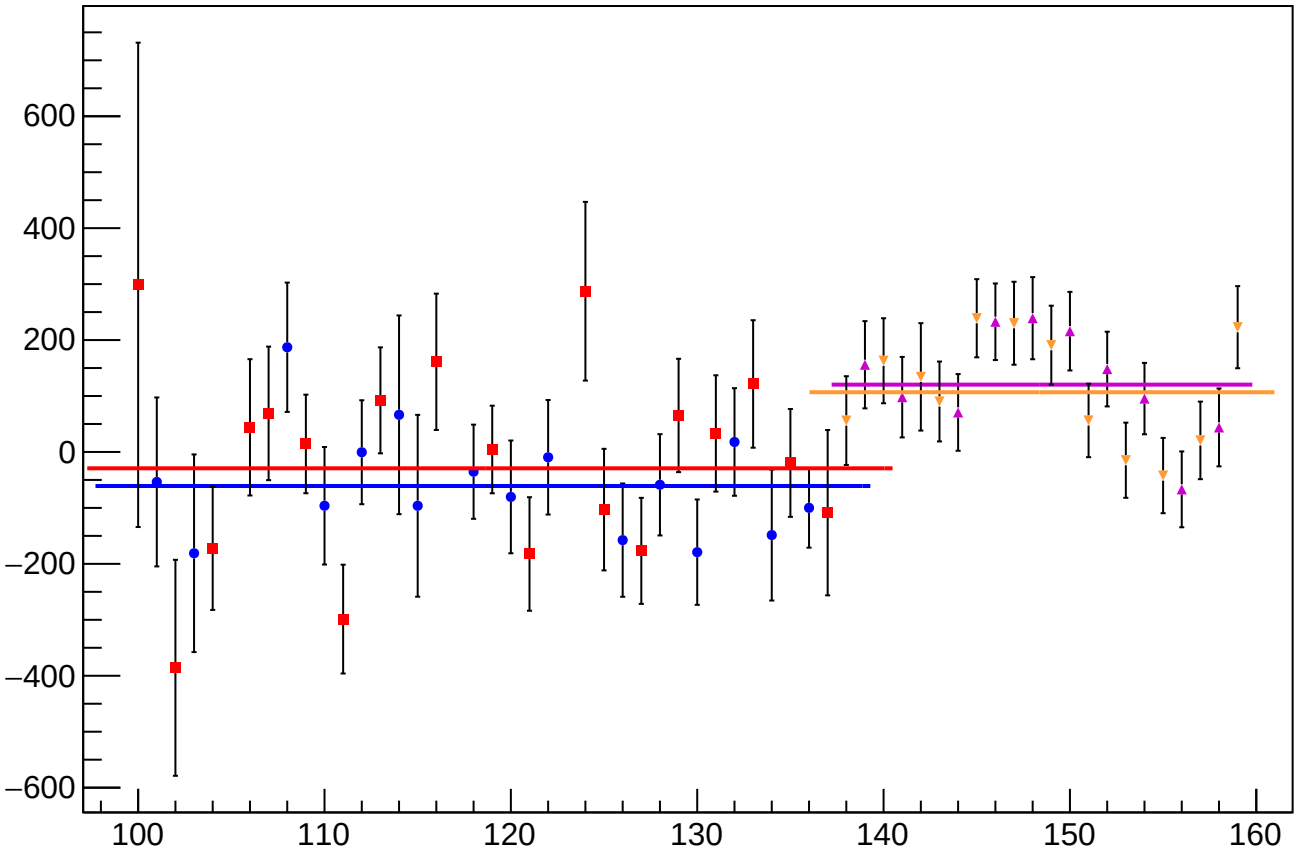
Left: 338.190+/-0.057 χ^2/NDF: 1534167.0/21

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 327.795+/-0.061 χ^2/NDF:2817558.3/25

Out: 312.295+/-0.057 χ^2/NDF:3758530.5/30

All: 319.561+/-0.042 χ^2/NDF: 6610378.9/56



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.750+/-20.885 χ^2/NDF:21.7/11

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 120.311+/-21.996 χ^2/NDF:17.2/9

Left: 113.179+/-15.145 χ^2/NDF: 39.0/21

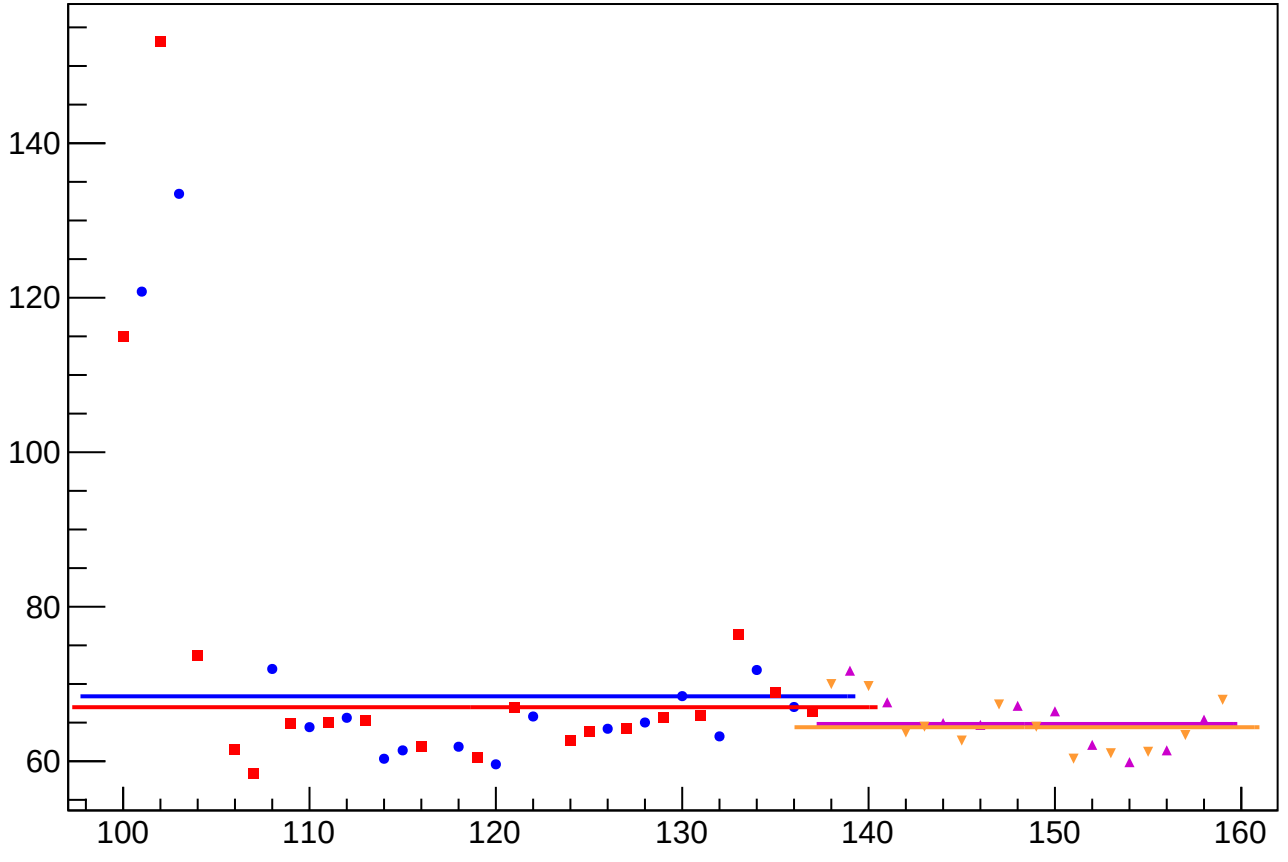
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 44.921+/-16.807 χ^2/NDF:56.0/25

Out: 51.238+/-16.065 χ^2/NDF:70.3/30

All: 48.222+/-11.613 χ^2/NDF: 126.3/56

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.402+/-0.015 χ^2/NDF:46511.5/11

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

Left: 64.602+/-0.011 χ^2/NDF: 89247.7/21

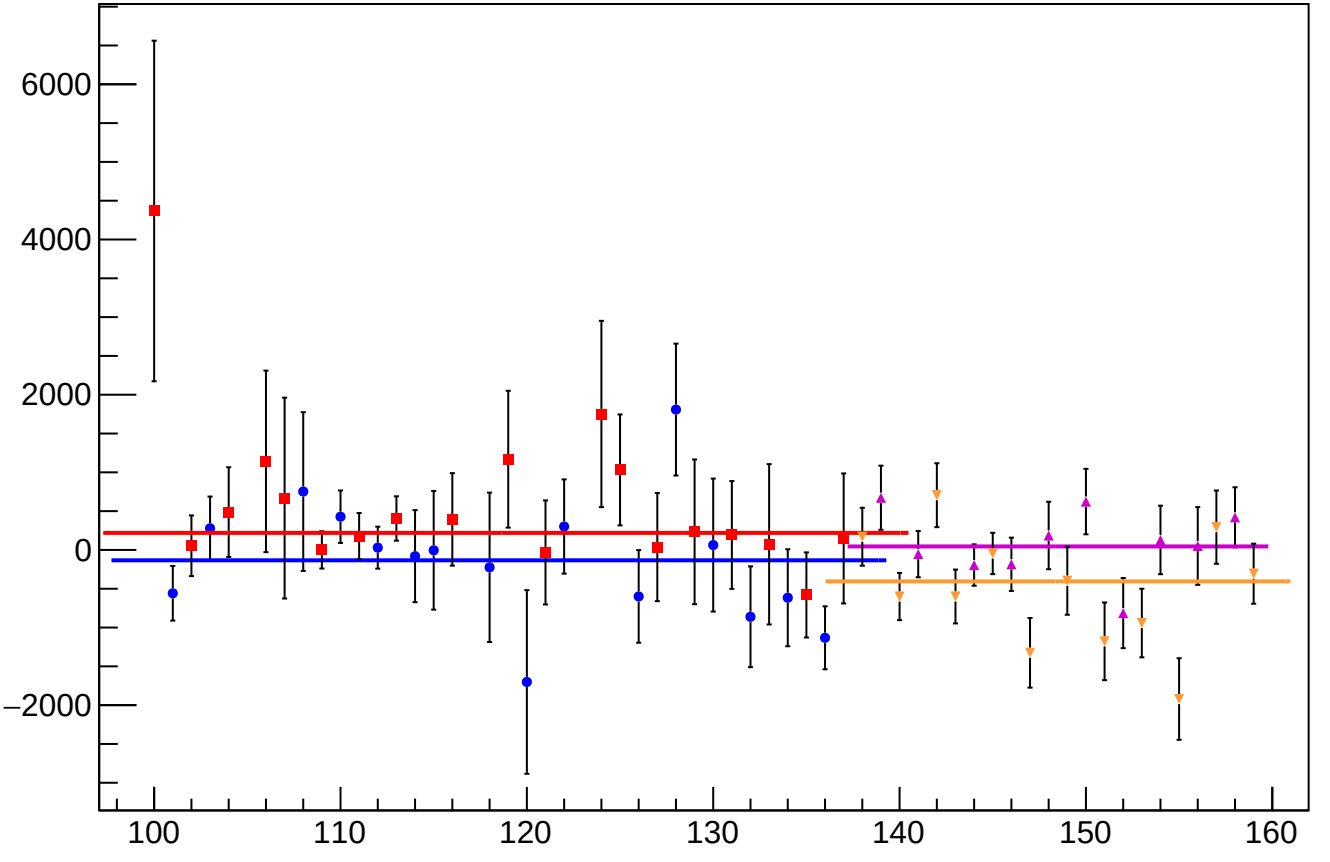
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.314+/-0.012 χ^2/NDF:633940.4/25

Out: 65.461+/-0.011 χ^2/NDF:543578.8/30

All: 65.868+/-0.008 χ^2/NDF: 1180211.4/56

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -405.416+/-111.539 χ^2/NDF:30.8/11

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 45.085+/-118.464 χ^2/NDF:10.2/9

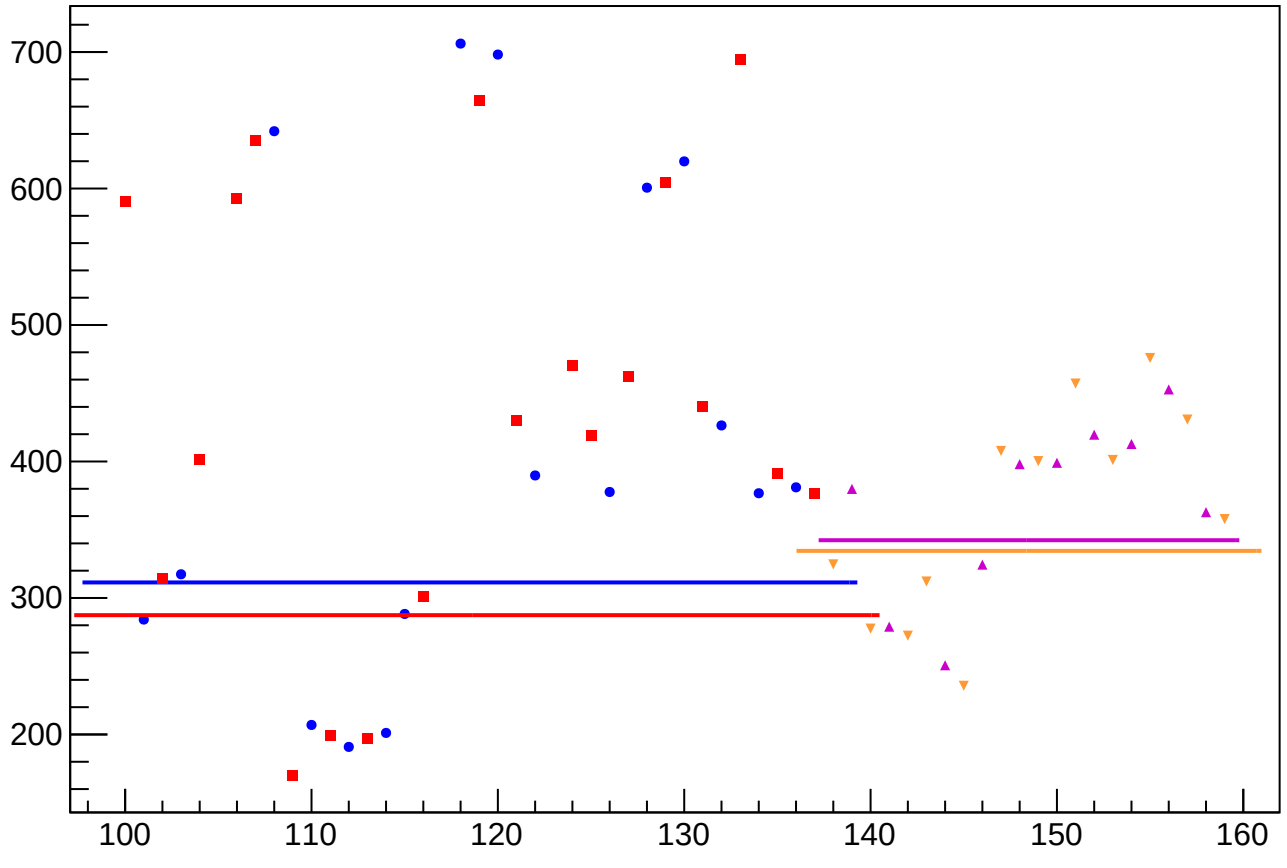
Left: -193.718+/-81.208 χ^2/NDF: 48.8/21

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -38.816+/-86.277 χ^2/NDF:33.8/25

Out: -110.453+/-81.054 χ^2/NDF:58.2/30

All: -76.868+/-59.074 χ^2/NDF: 92.3/56



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.530+/-0.079 χ^2/NDF:899852.7/11

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

Left: 338.190+/-0.057 χ^2/NDF: 1534167.0/21

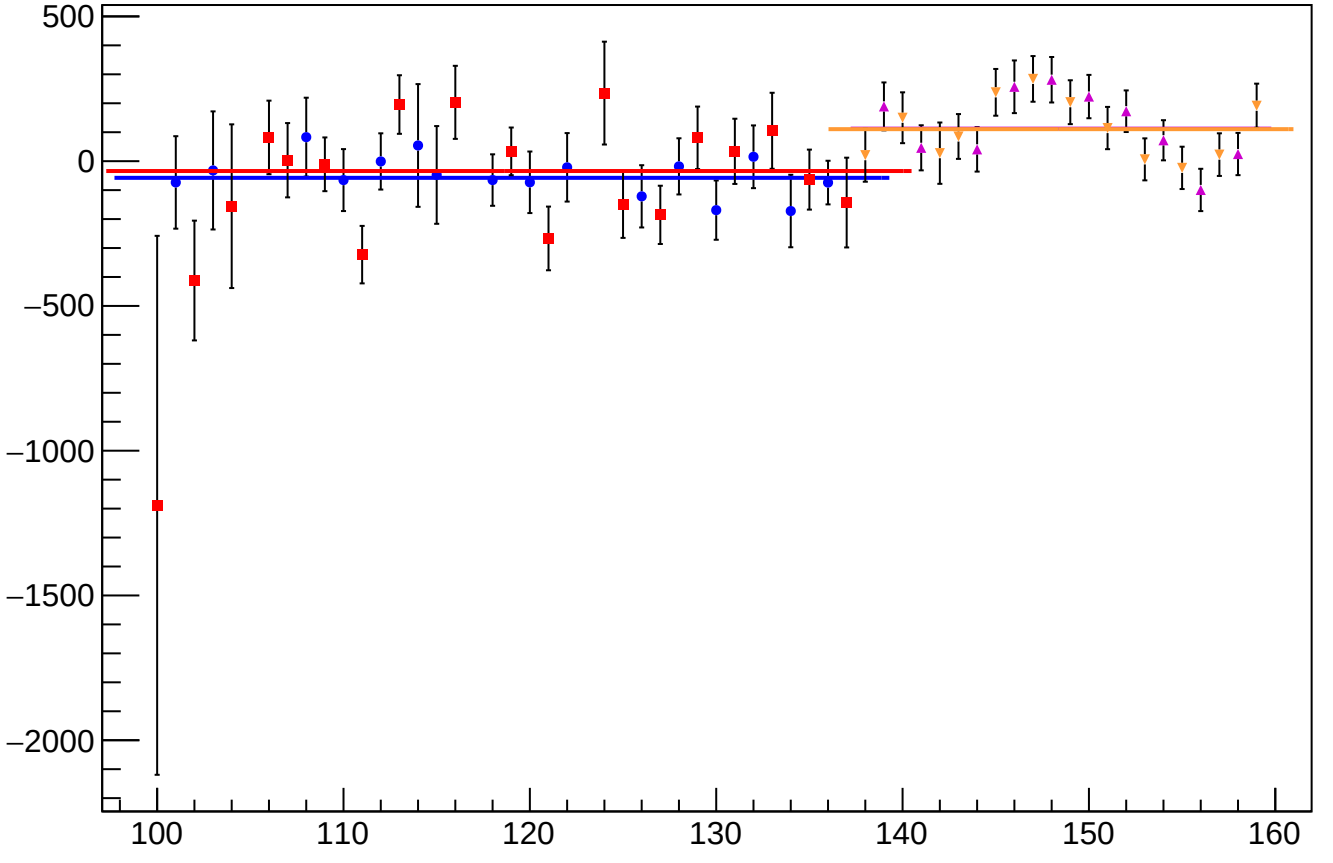
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 327.795+/-0.061 χ^2/NDF:2817558.3/25

Out: 312.295+/-0.057 χ^2/NDF:3758530.5/30

All: 319.561+/-0.042 χ^2/NDF: 6610378.9/56

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.575+/-22.858 χ^2/NDF:18.7/11

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 112.339+/-24.122 χ^2/NDF:22.7/9

Left: 111.410+/-16.592 χ^2/NDF: 41.4/21

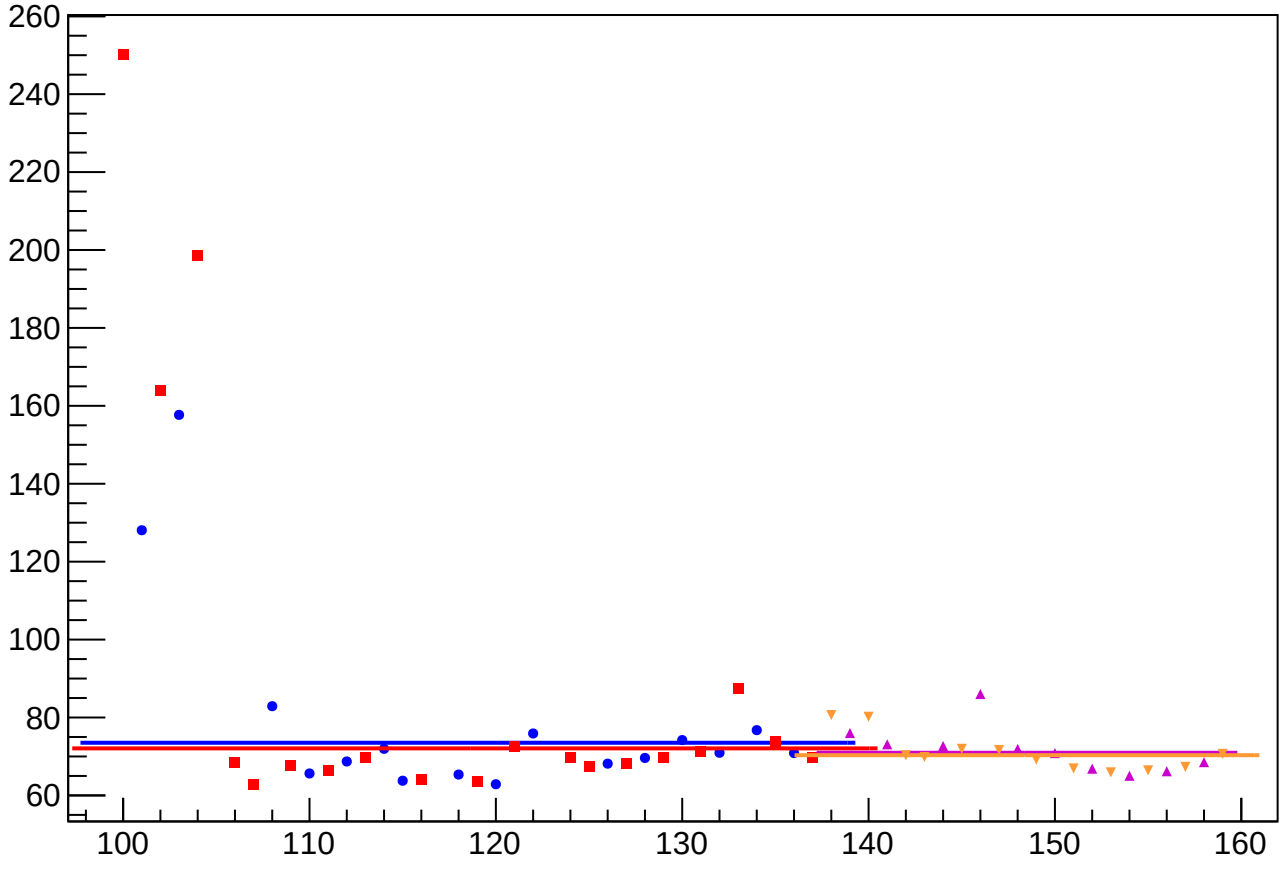
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 40.230+/-18.299 χ^2/NDF:48.6/25

Out: 51.231+/-17.551 χ^2/NDF:72.3/30

All: 45.960+/-12.667 χ^2/NDF: 121.0/56

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.326+/-0.016 χ^2/NDF:73057.3/11

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.950+/-0.017 χ^2/NDF:96928.4/9

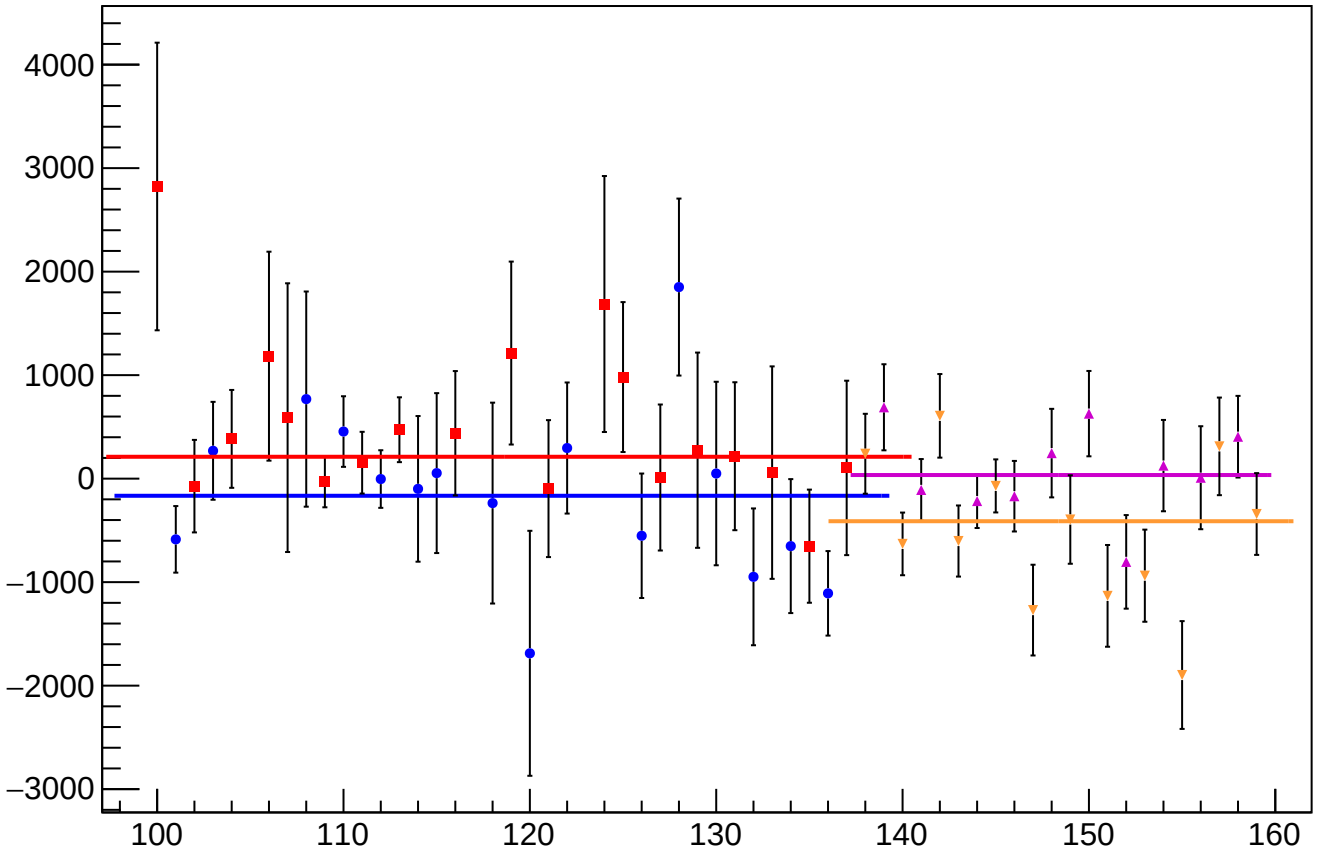
Left: 70.621+/-0.012 χ^2/NDF: 170692.0/21

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.041+/-0.013 χ^2/NDF:763405.7/25

Out: 71.043+/-0.012 χ^2/NDF:1036354.6/30

All: 71.521+/-0.009 χ^2/NDF: 1802855.3/56



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -411.425+/-110.494 χ^2/NDF:29.7/11

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 34.895+/-117.697 χ^2/NDF:10.7/9

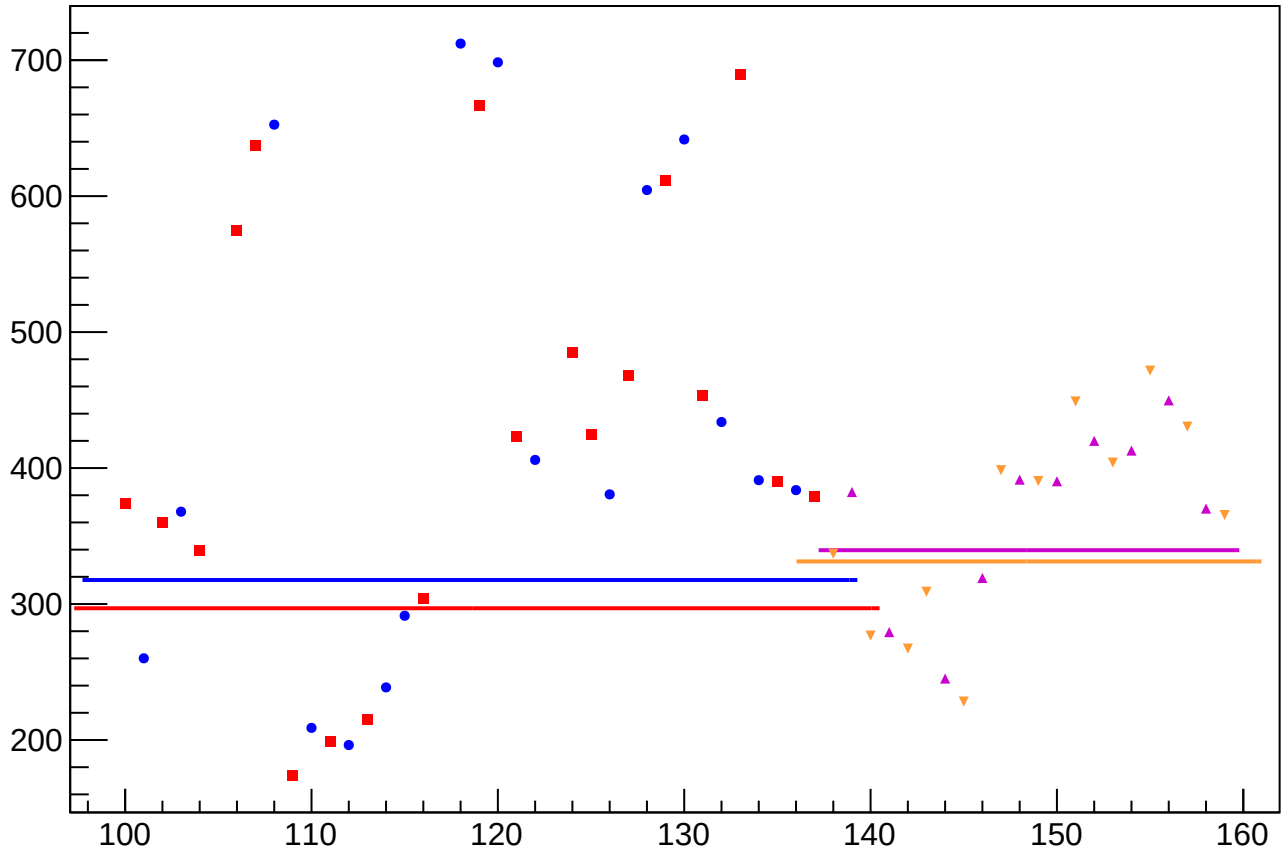
Left: -202.340+/-80.557 χ^2/NDF: 48.1/21

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -56.575+/-86.774 χ^2/NDF:34.6/25

Out: -125.993+/-81.322 χ^2/NDF:57.9/30

All: -93.533+/-59.337 χ^2/NDF: 92.9/56



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 331.333+/-0.078 χ^2/NDF:949136.3/11

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 339.587+/-0.083 χ^2/NDF:660376.9/9

Left: 335.200+/-0.057 χ^2/NDF: 1614742.2/21

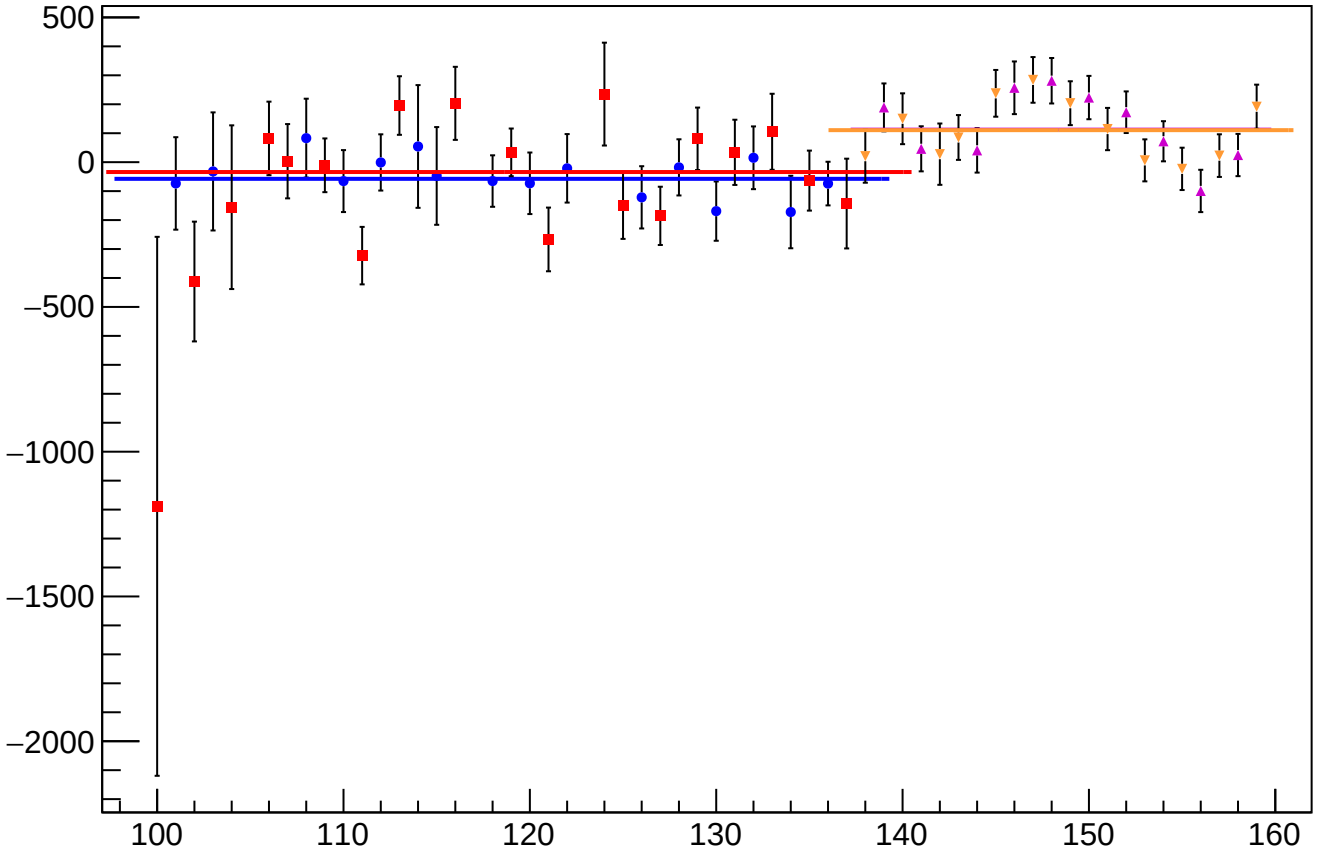
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 329.580+/-0.061 χ^2/NDF:2828244.2/25

Out: 315.546+/-0.058 χ^2/NDF:3579255.3/30

All: 322.109+/-0.042 χ^2/NDF: 6435353.4/56

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.576+/-22.858 χ^2/NDF:18.7/11

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 112.339+/-24.122 χ^2/NDF:22.7/9

Left: 111.410+/-16.592 χ^2/NDF: 41.4/21

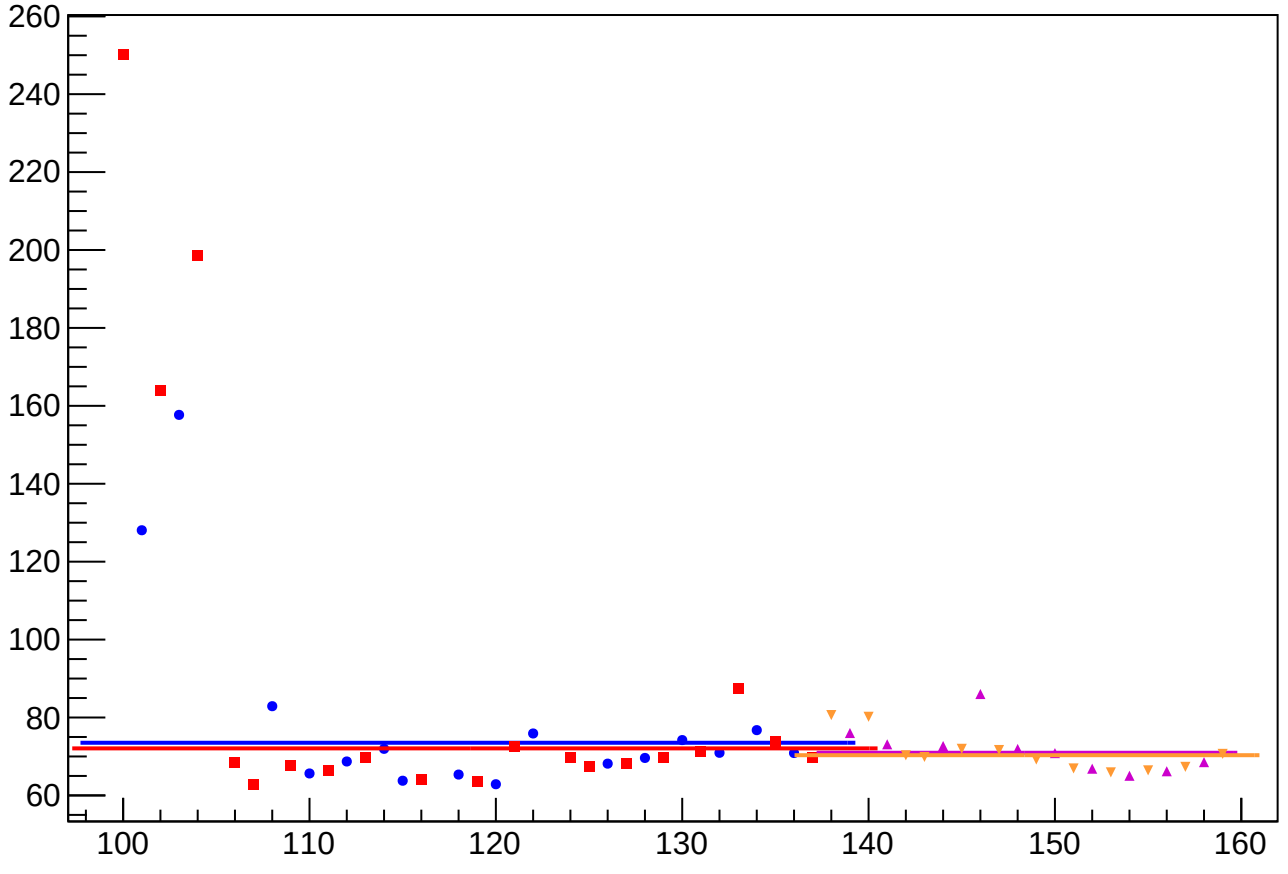
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 40.230+/-18.299 χ^2/NDF:48.6/25

Out: 51.230+/-17.551 χ^2/NDF:72.3/30

All: 45.960+/-12.667 χ^2/NDF: 121.0/56

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.326+/-0.016 χ^2/NDF:73056.9/11

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.950+/-0.017 χ^2/NDF:96928.9/9

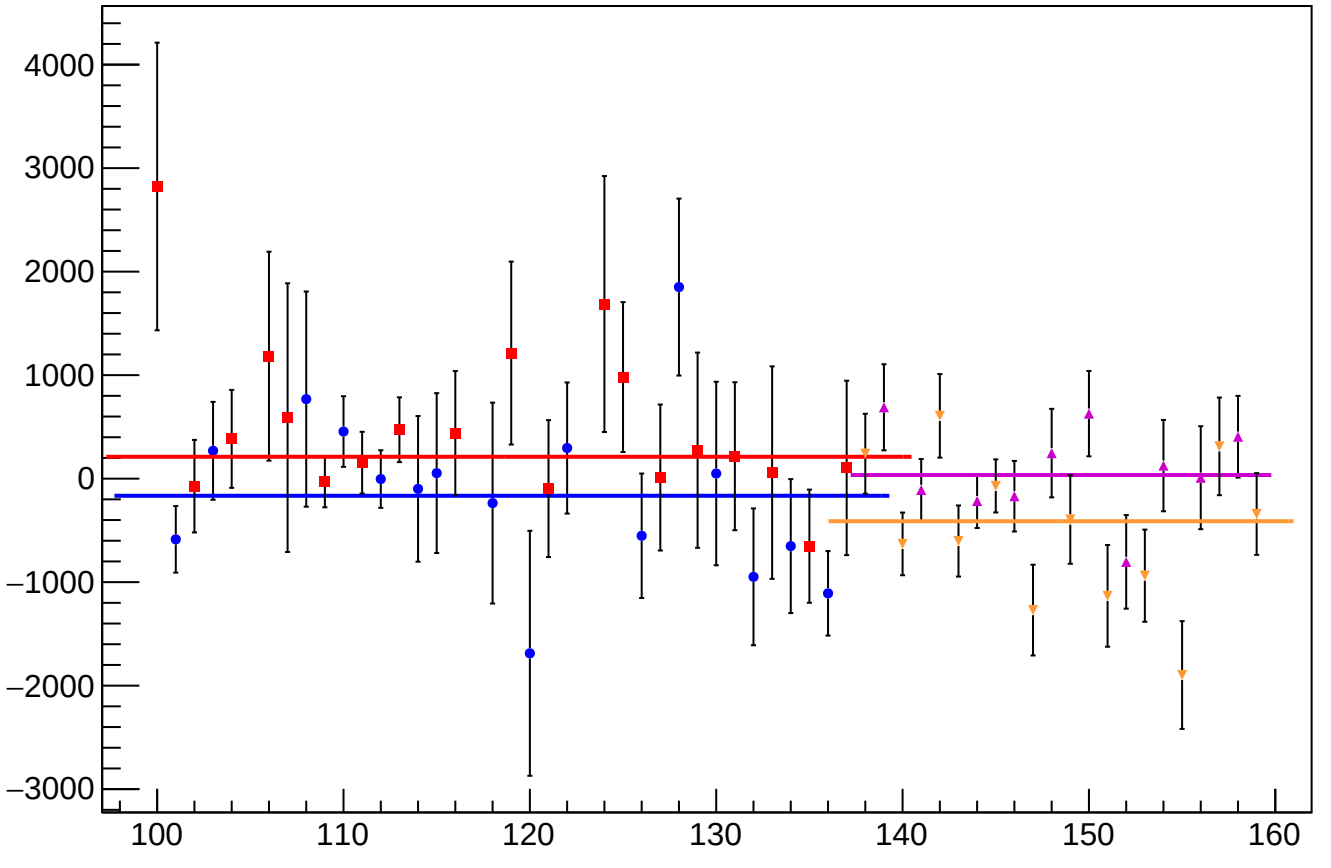
Left: 70.621+/-0.012 χ^2/NDF: 170692.0/21

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.040+/-0.013 χ^2/NDF:763406.8/25

Out: 71.043+/-0.012 χ^2/NDF:1036354.9/30

All: 71.521+/-0.009 χ^2/NDF: 1802856.5/56



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -411.425+/-110.494 χ^2/NDF:29.7/11

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 34.895+/-117.697 χ^2/NDF:10.7/9

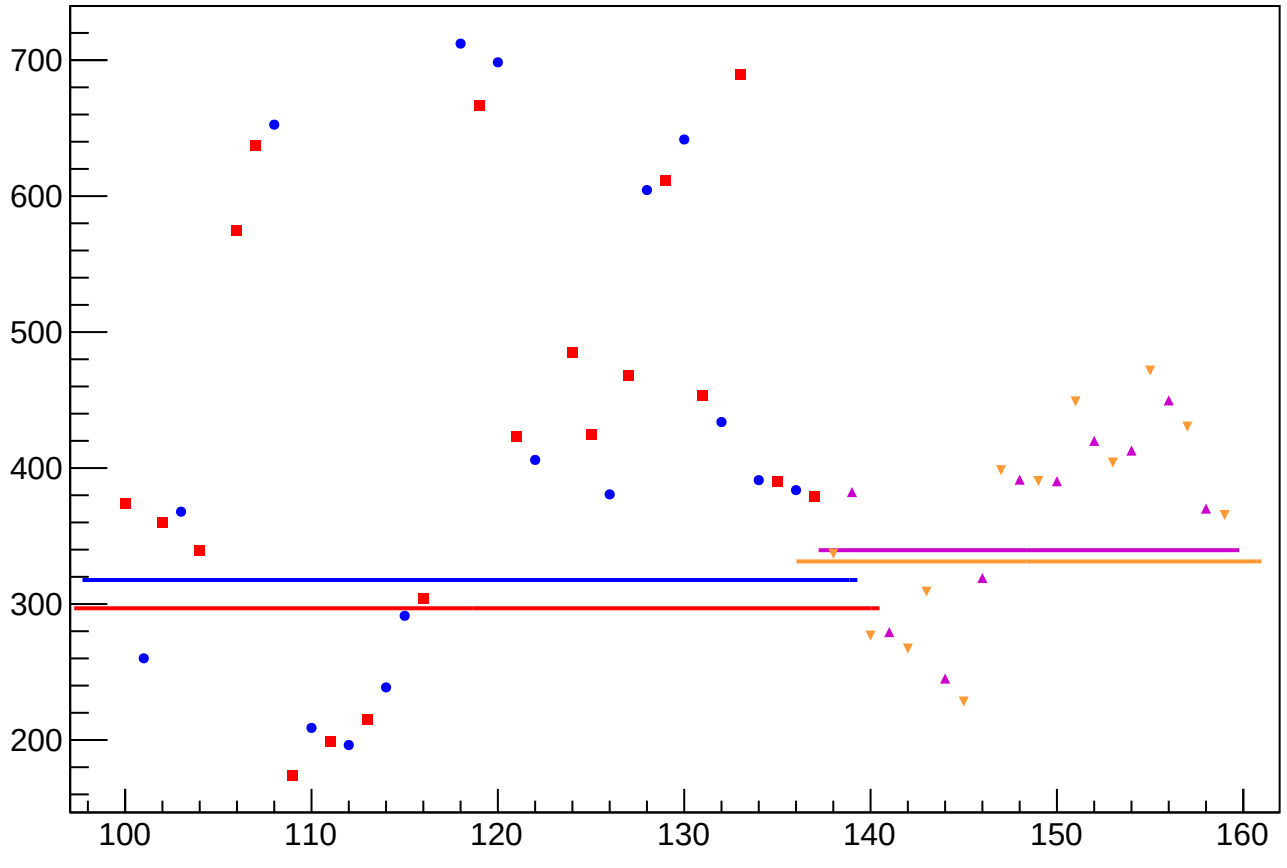
Left: -202.340+/-80.557 χ^2/NDF: 48.1/21

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -56.575+/-86.773 χ^2/NDF:34.6/25

Out: -125.992+/-81.322 χ^2/NDF:57.9/30

All: -93.532+/-59.337 χ^2/NDF: 92.9/56



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 331.332+/-0.078 χ^2/NDF:949147.6/11

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 339.587+/-0.083 χ^2/NDF:660383.1/9

Left: 335.200+/-0.057 χ^2/NDF: 1614759.9/21

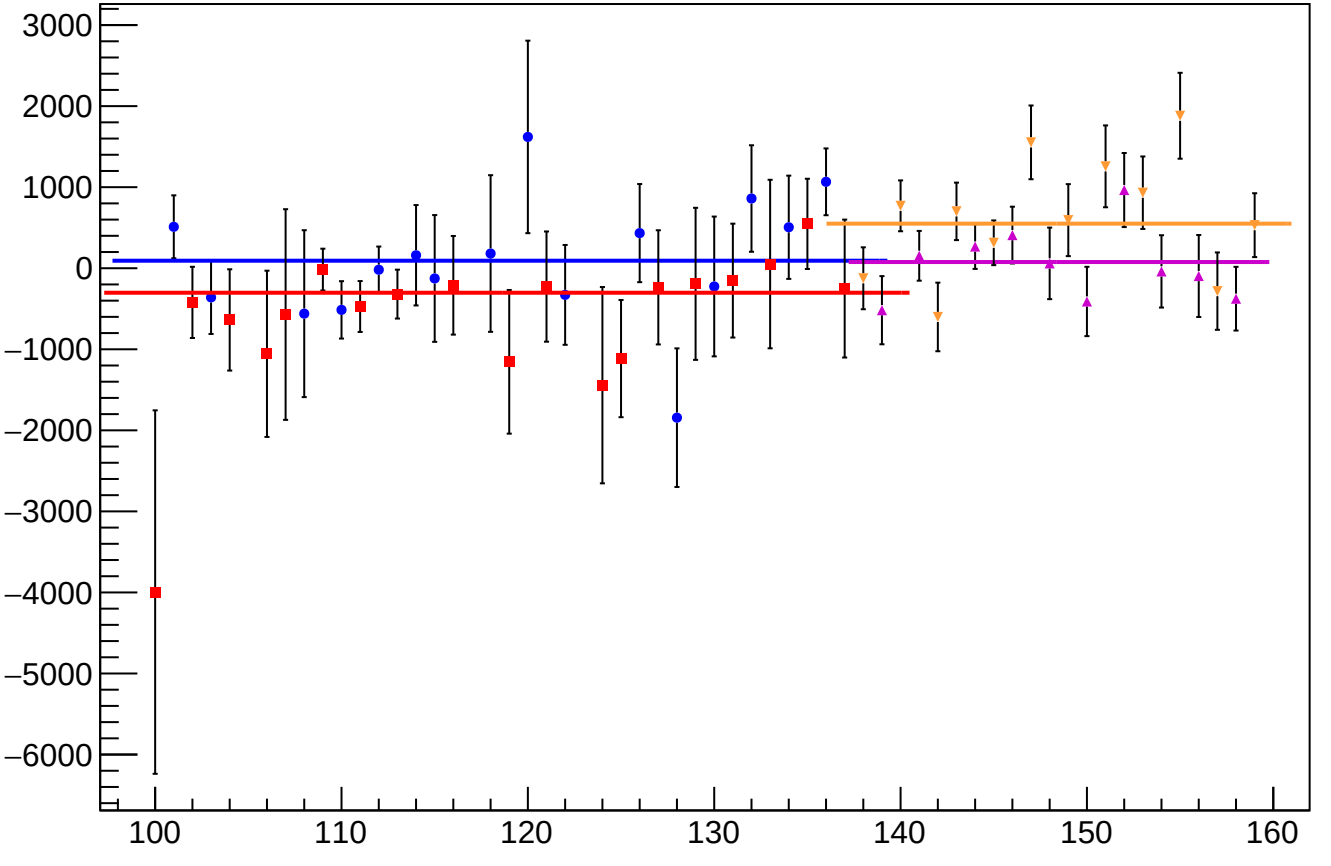
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 329.579+/-0.061 χ^2/NDF:2828288.7/25

Out: 315.545+/-0.058 χ^2/NDF:3579283.5/30

All: 322.107+/-0.042 χ^2/NDF: 6435425.1/56

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 550.052+/-114.017 χ^2/NDF:28.8/11

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 76.521+/-120.950 χ^2/NDF:10.0/9

Left: 327.247+/-82.965 χ^2/NDF: 47.0/21

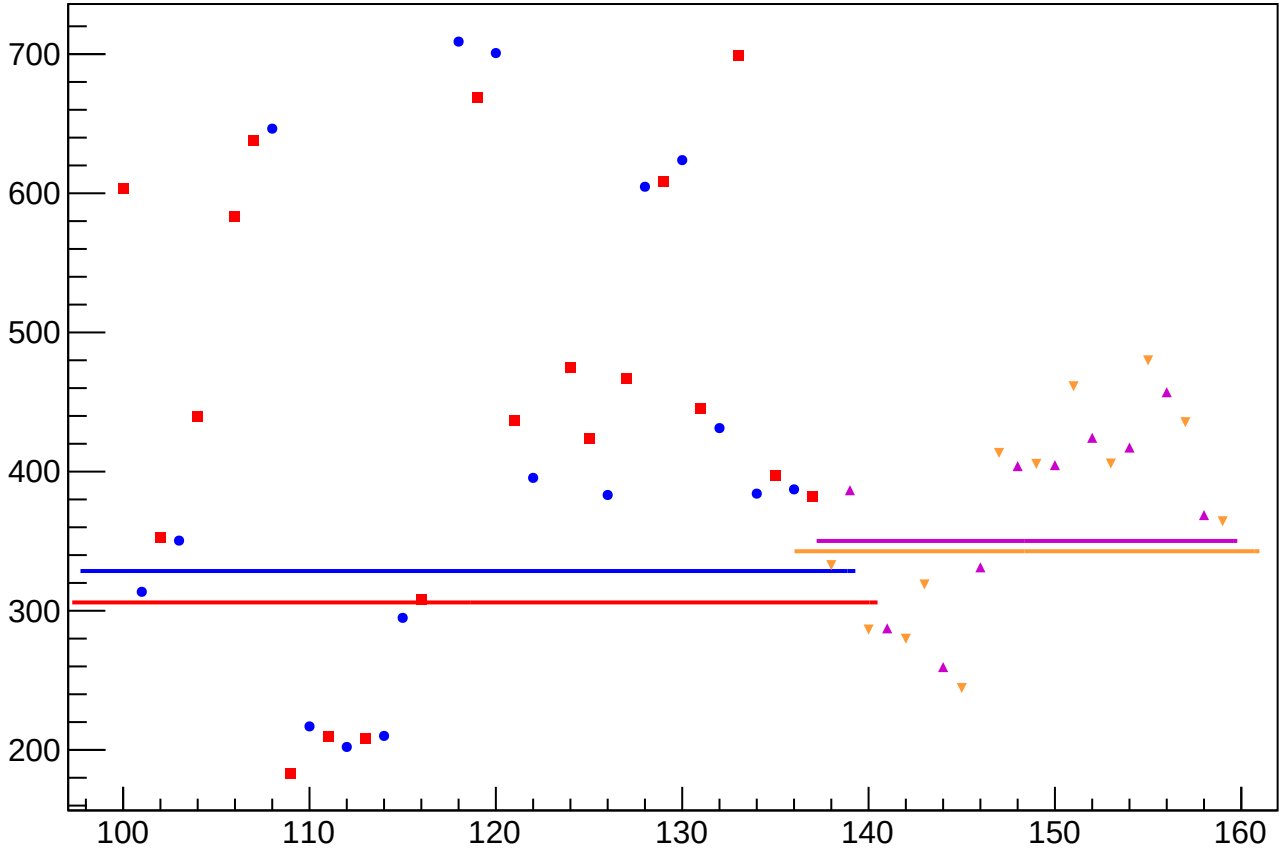
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 83.957+/-89.153 χ^2/NDF:30.9/25

Out: 159.291+/-83.904 χ^2/NDF:65.3/30

All: 123.907+/-61.101 χ^2/NDF: 96.5/56

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 342.781+/-0.081 χ^2/NDF:826354.9/11

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.160+/-0.086 χ^2/NDF:574407.1/9

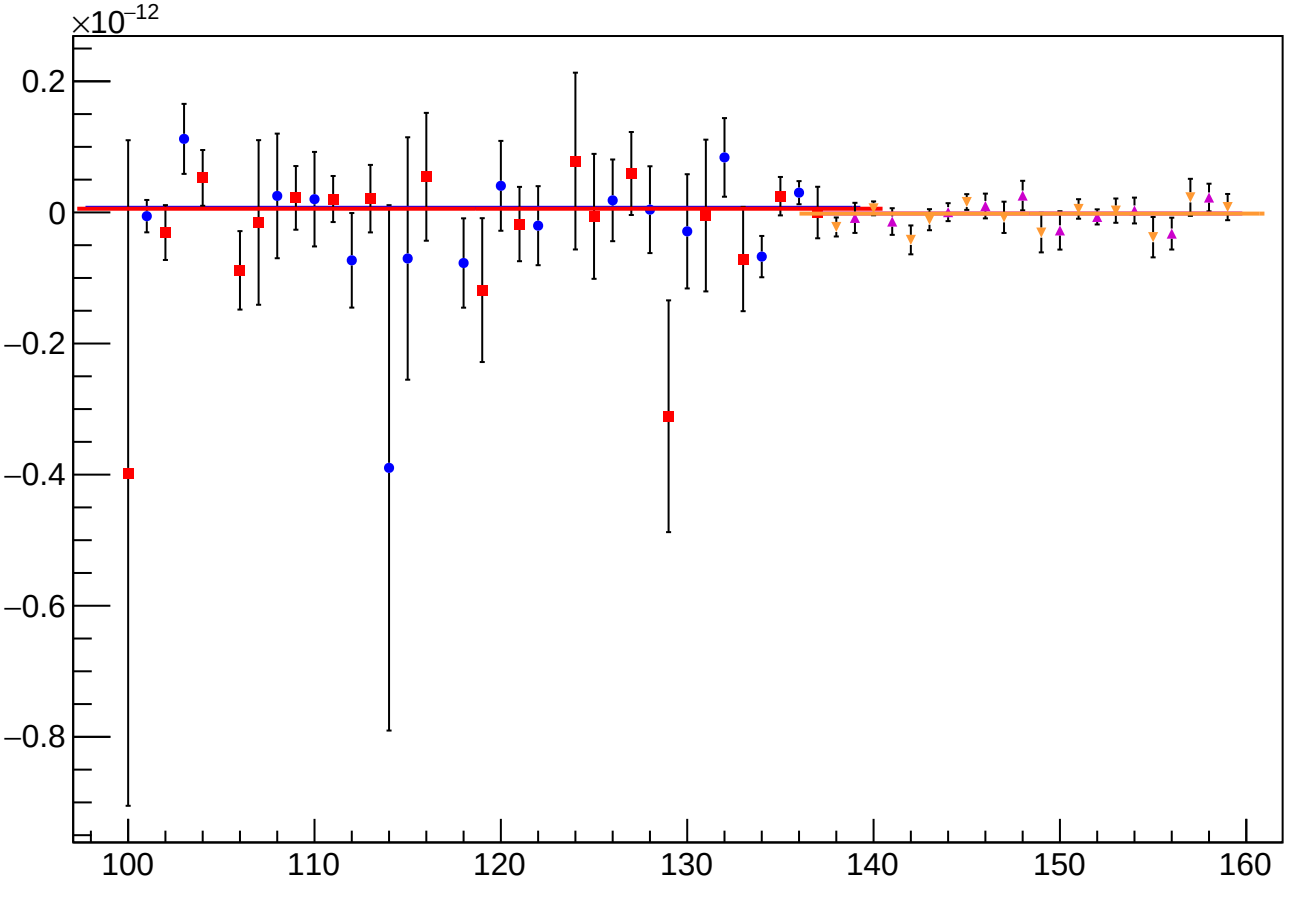
Left: 346.253+/-0.059 χ^2/NDF: 1404703.7/21

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 340.299+/-0.063 χ^2/NDF:2562393.1/25

Out: 325.913+/-0.059 χ^2/NDF:3449302.1/30

All: 332.670+/-0.043 χ^2/NDF: 6039311.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

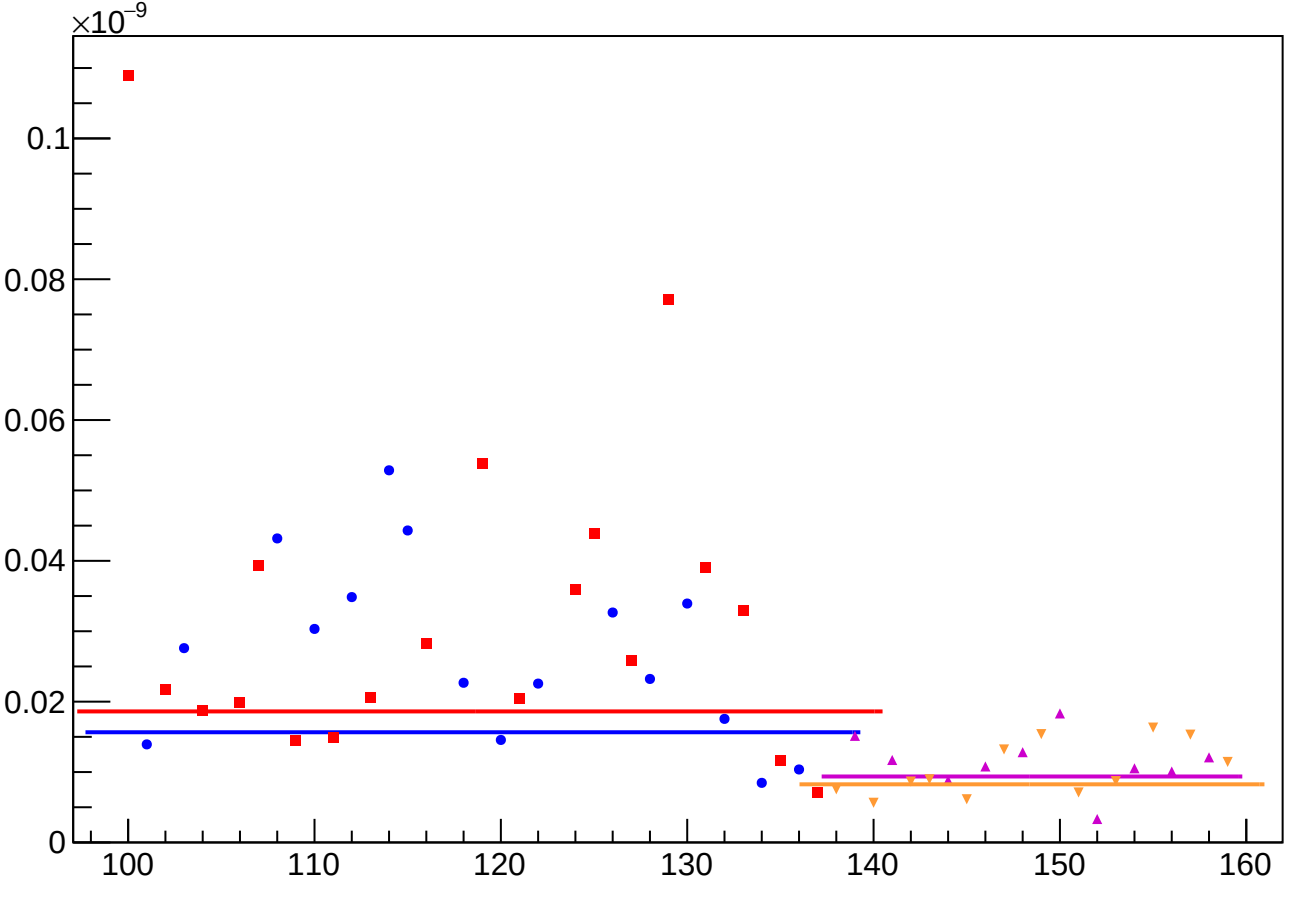
Left: -0.000+/-0.000 χ^2/NDF: 18.3/21

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.5/25

Out: -0.000+/-0.000 χ^2/NDF:25.1/30

All: -0.000+/-0.000 χ^2/NDF: 49.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:718115.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:990927.2/9

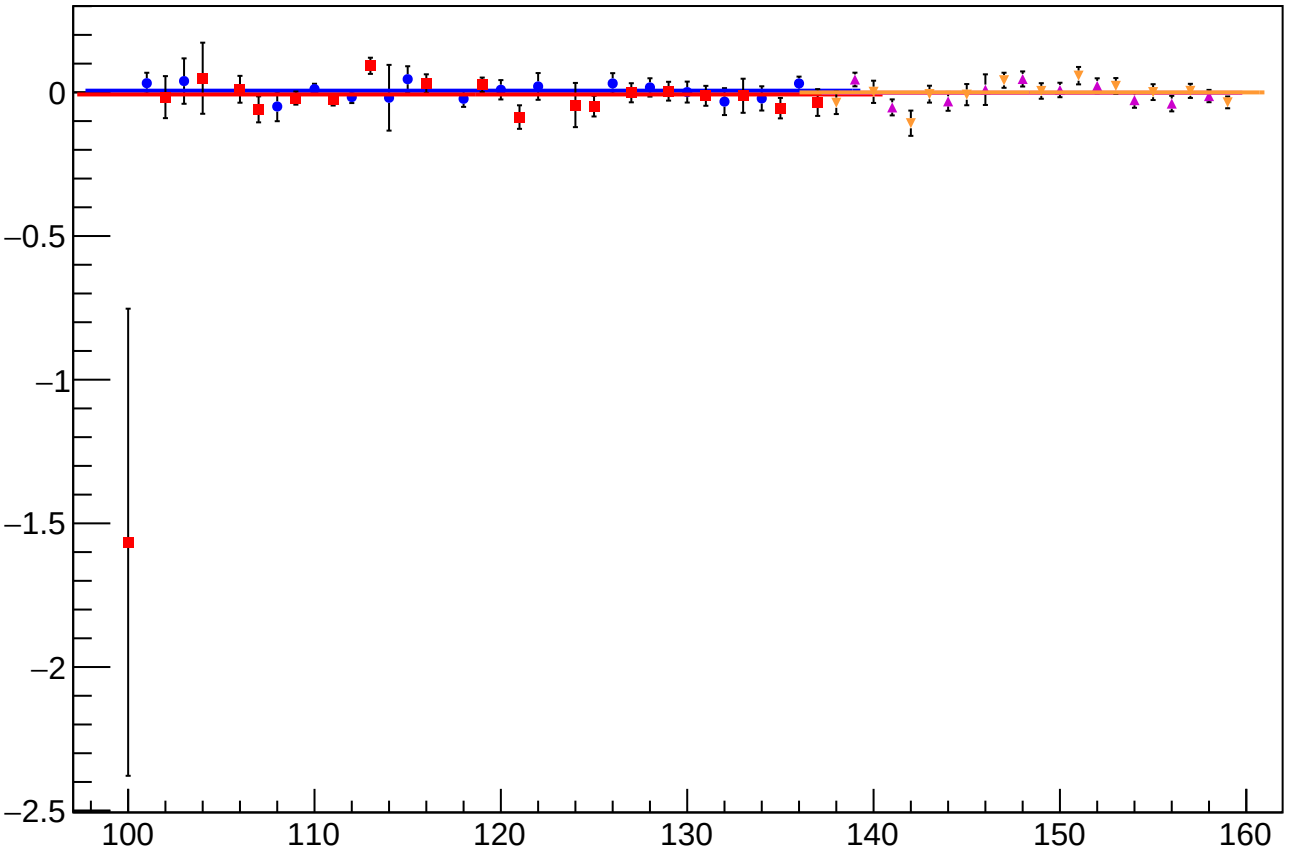
Left: 0.000+/-0.000 χ^2/NDF: 1751815.0/21

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2669236.4/25

Out: 0.000+/-0.000 χ^2/NDF:3082901.7/30

All: 0.000+/-0.000 χ^2/NDF: 5810449.6/56



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

Left: -0.001+/-0.006 χ^2/NDF: 32.2/21

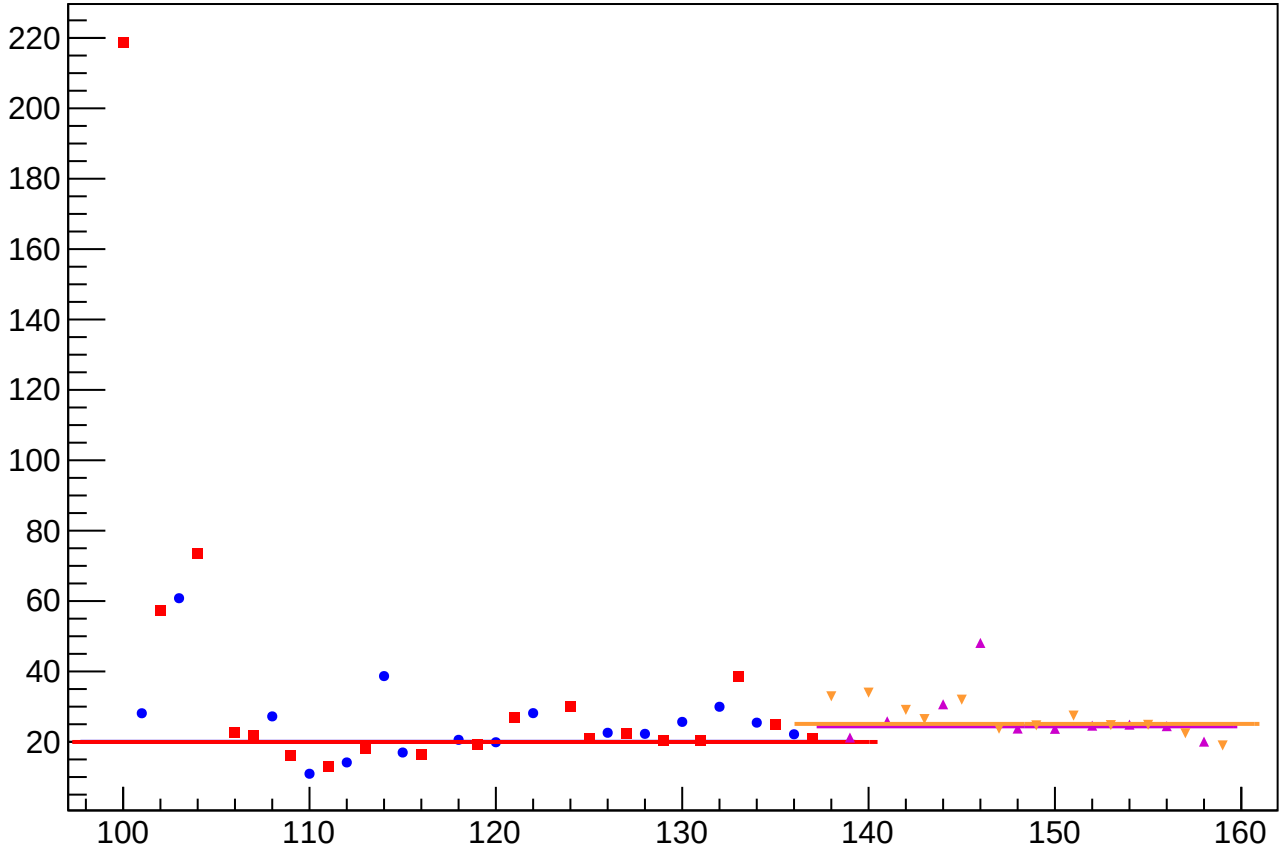
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.2/56

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.095+/-0.006 χ^2/NDF:493320.1/11

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

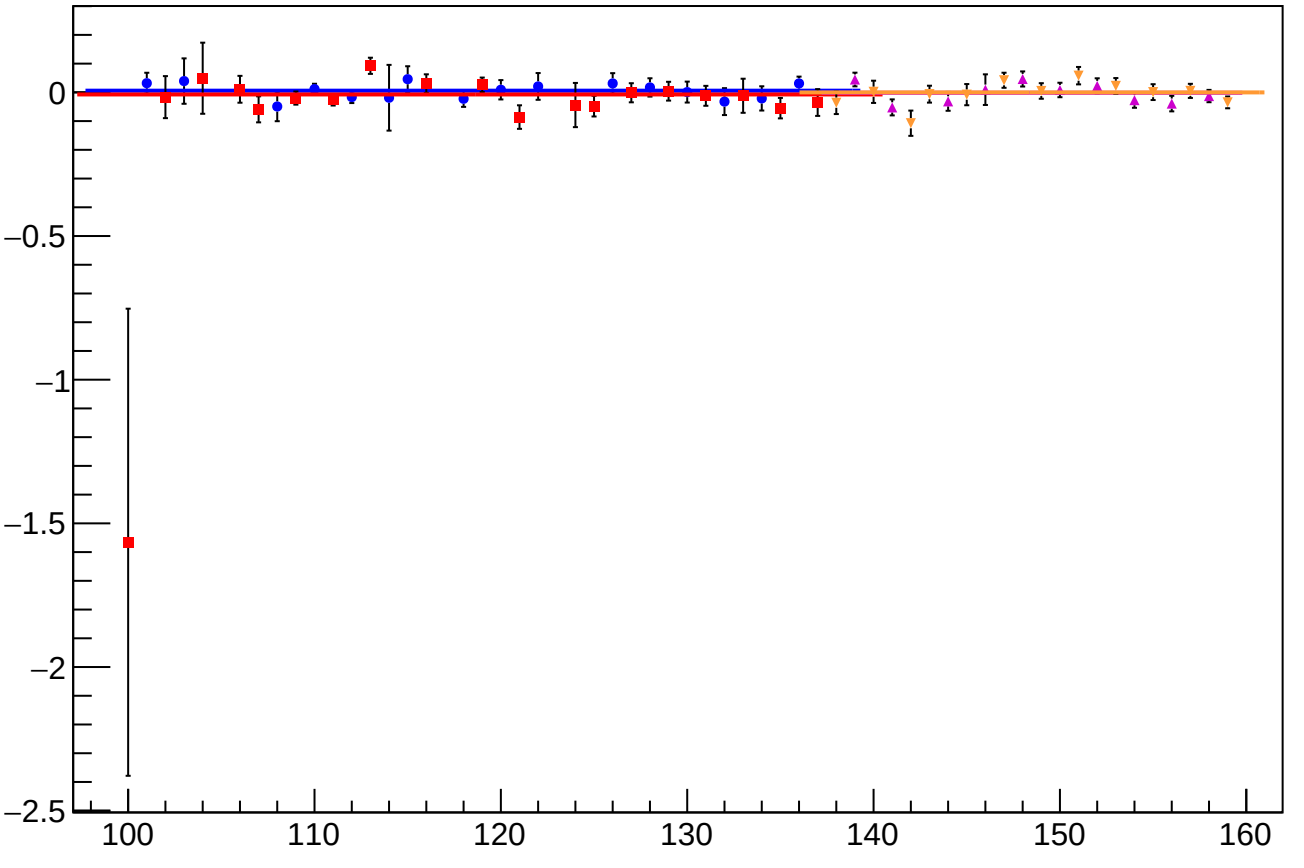
Left: 24.756+/-0.004 χ^2/NDF: 1094604.4/21

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.106+/-0.004 χ^2/NDF:2513934.0/25

Out: 22.446+/-0.004 χ^2/NDF:2599150.0/30

All: 22.278+/-0.003 χ^2/NDF: 5116453.1/56



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

Left: -0.001+/-0.006 χ^2/NDF: 32.2/21

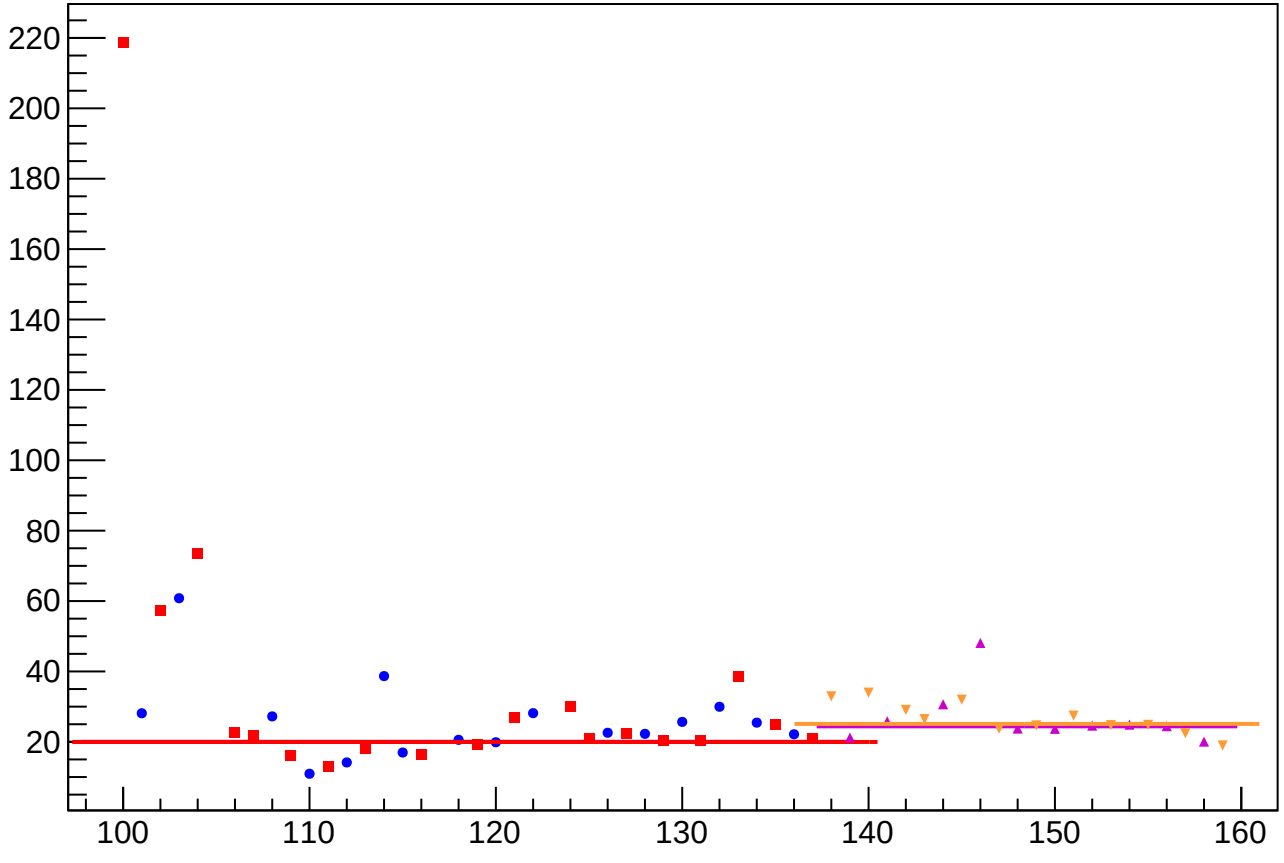
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.2/56

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: 25.095+/-0.006 χ^2/NDF:493320.1/11

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

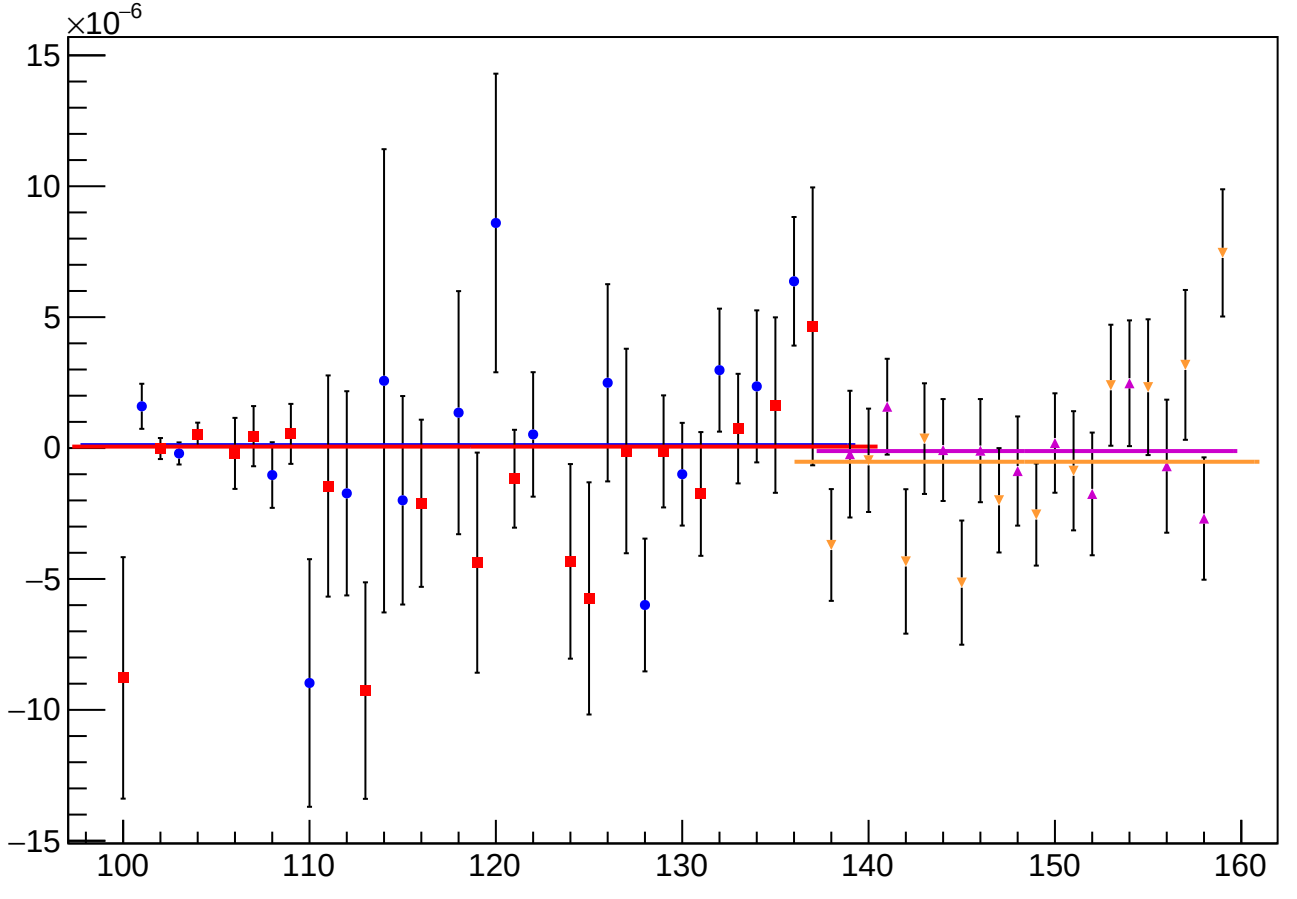
Left: 24.756+/-0.004 χ^2/NDF: 1094604.4/21

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.106+/-0.004 χ^2/NDF:2513934.0/25

Out: 22.446+/-0.004 χ^2/NDF:2599150.0/30

All: 22.278+/-0.003 χ^2/NDF: 5116453.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/9

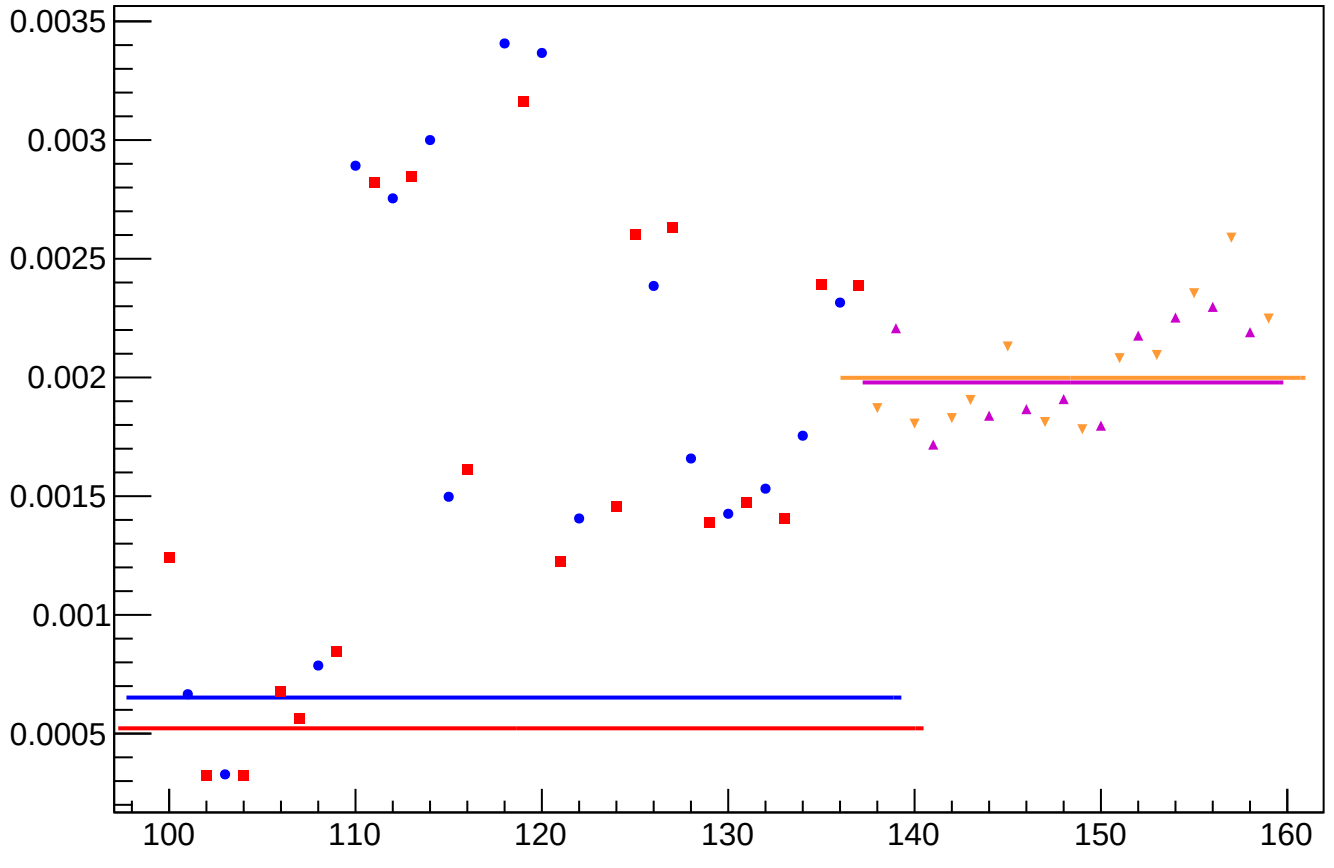
Left: -0.000+/-0.000 χ^2/NDF: 29.1/21

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:30.1/25

Out: -0.000+/-0.000 χ^2/NDF:42.8/30

All: 0.000+/-0.000 χ^2/NDF: 72.9/56



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:236133.4/11

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:184081.1/9

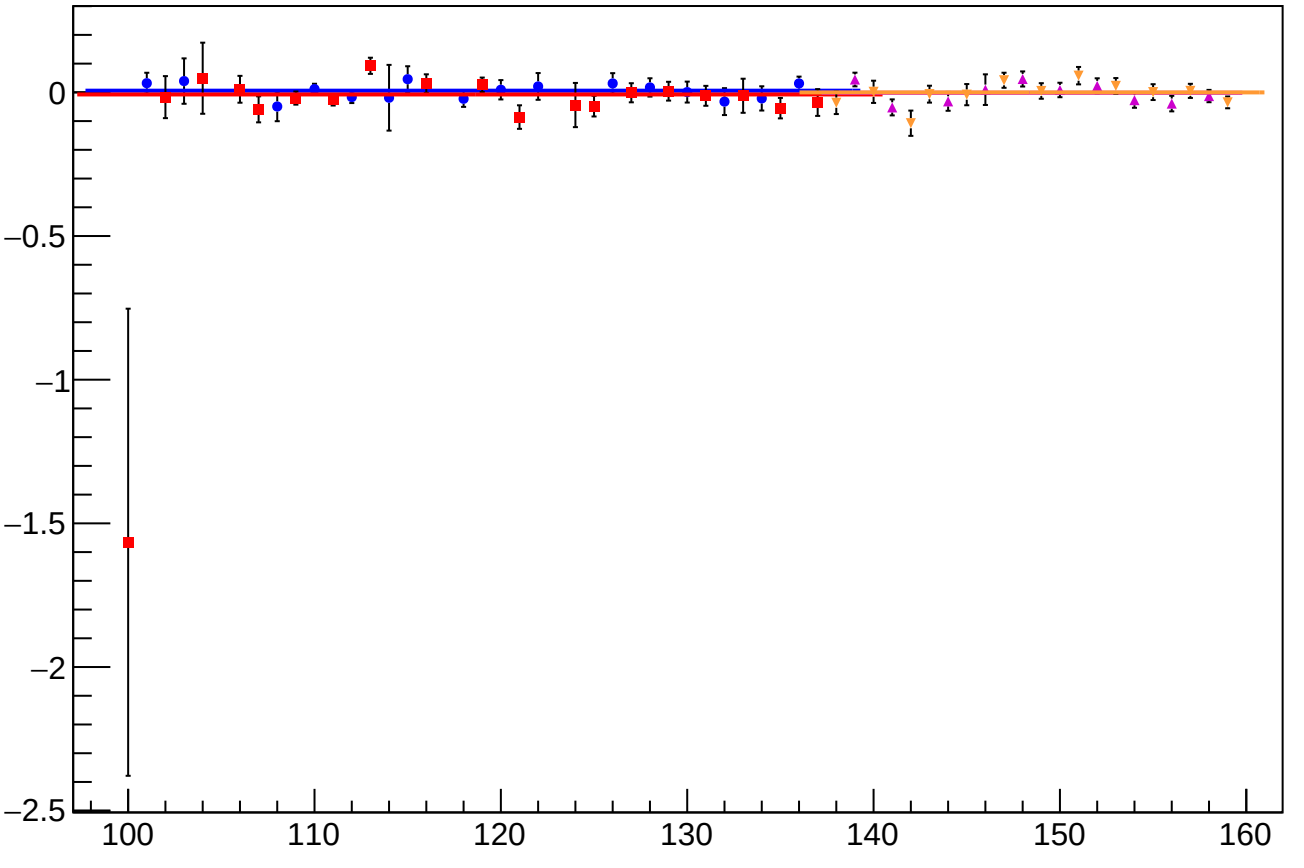
Left: 0.002+/-0.000 χ^2/NDF: 421087.0/21

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:12748936.1/25

Out: 0.001+/-0.000 χ^2/NDF:15730346.1/30

All: 0.001+/-0.000 χ^2/NDF: 28953355.8/56



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

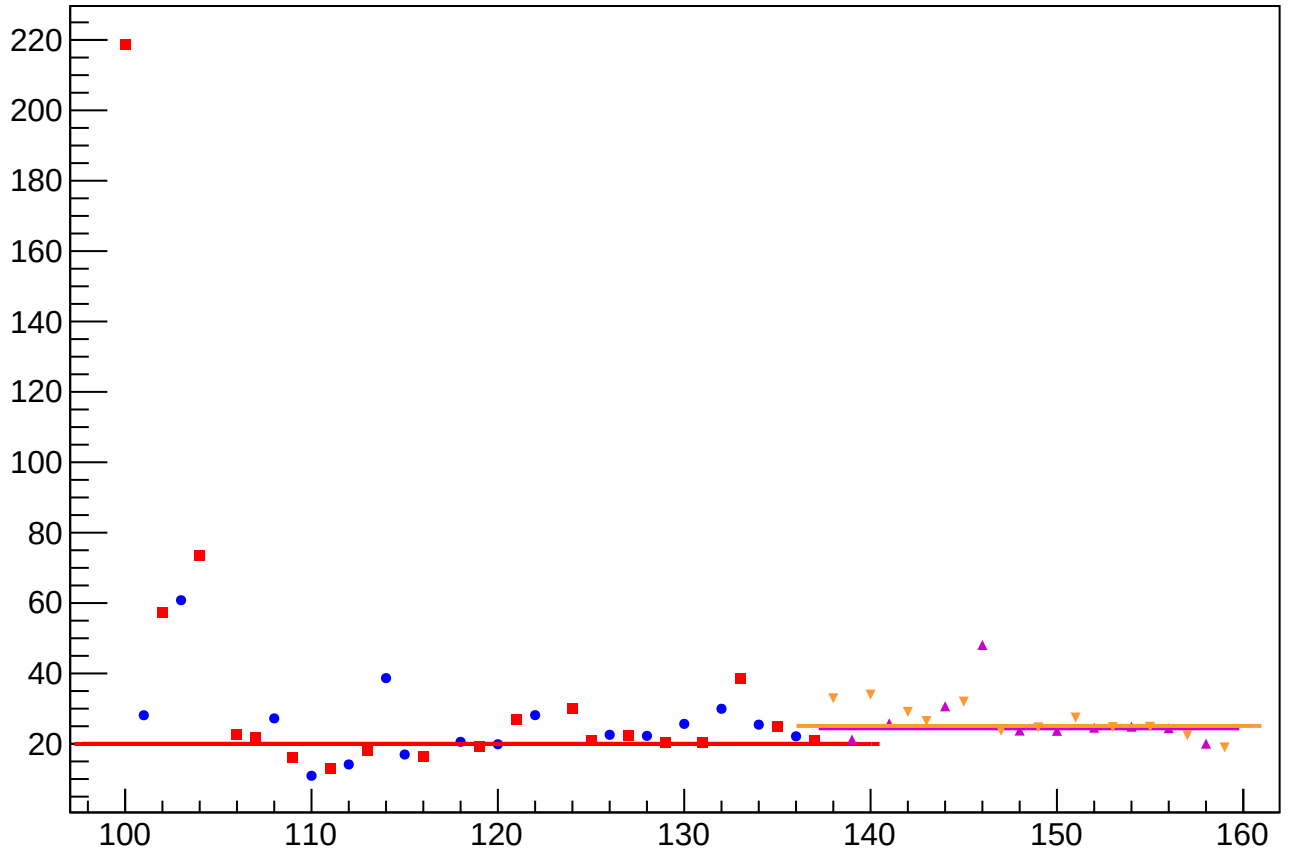
Left: -0.001+/-0.006 χ^2/NDF: 32.2/21

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.2/56



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.095+/-0.006 χ^2/NDF:493356.9/11

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

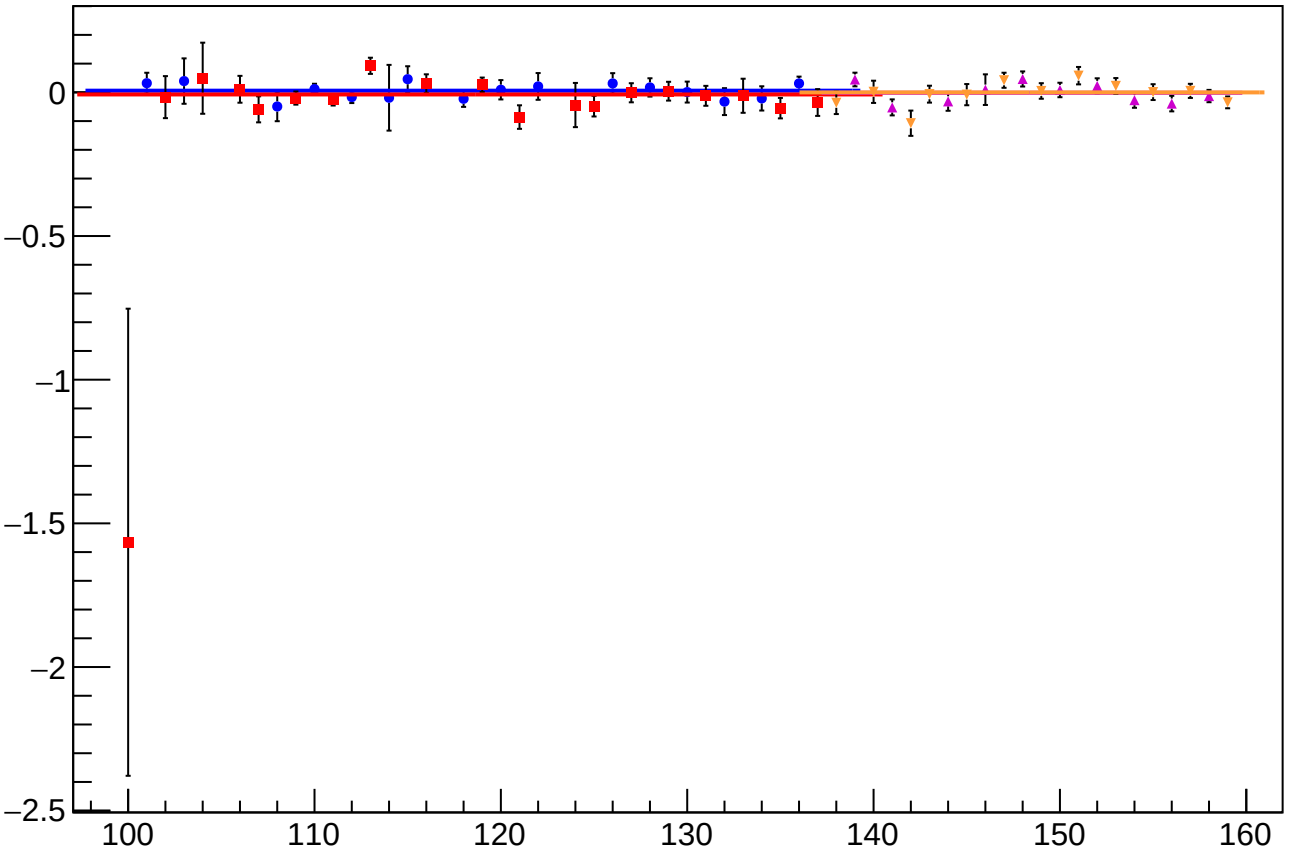
Left: 24.756+/-0.004 χ^2/NDF: 1094660.7/21

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.106+/-0.004 χ^2/NDF:2513710.7/25

Out: 22.446+/-0.004 χ^2/NDF:2599099.5/30

All: 22.278+/-0.003 χ^2/NDF: 5116175.5/56



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

Left: -0.001+/-0.006 χ^2/NDF: 32.2/21

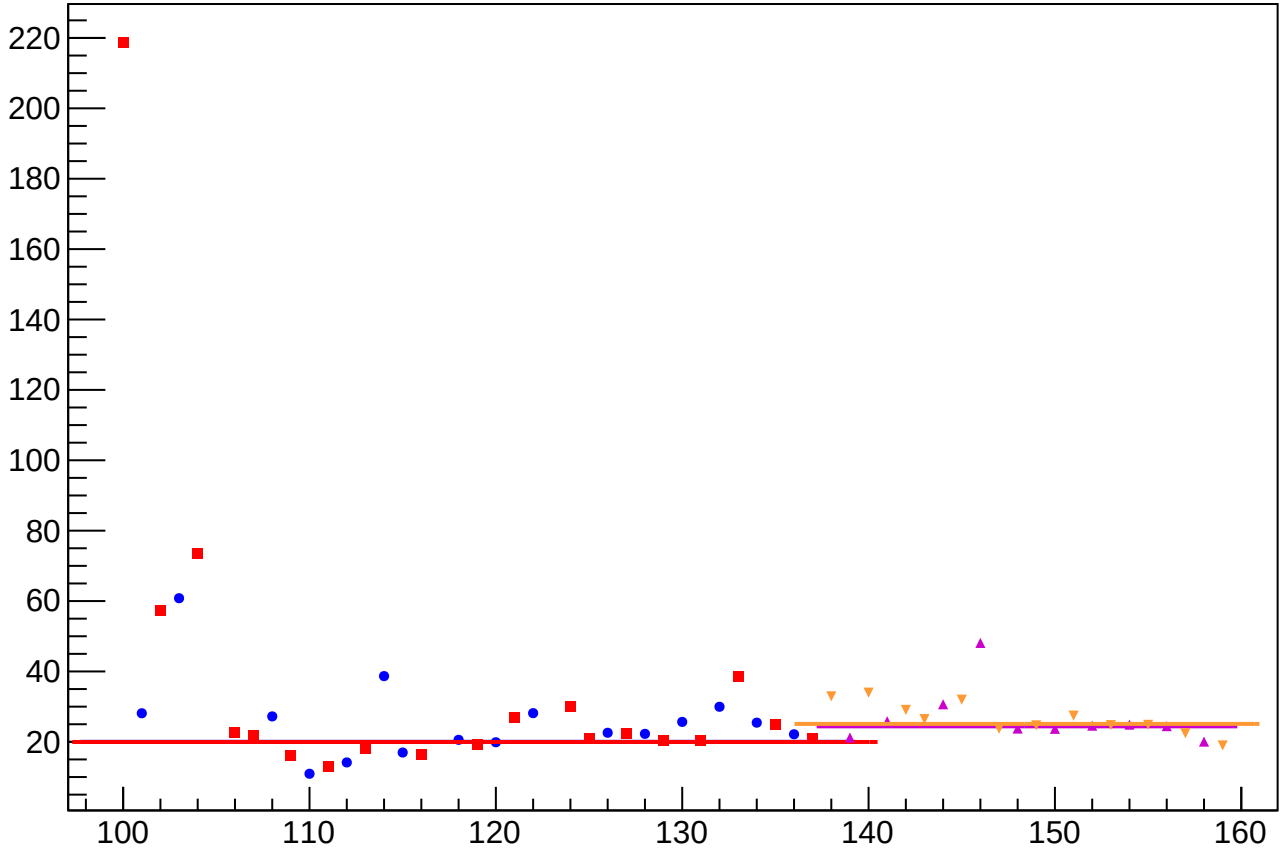
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.2/56

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: 25.095+/-0.006 χ^2/NDF:493356.9/11

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

Left: 24.756+/-0.004 χ^2/NDF: 1094660.7/21

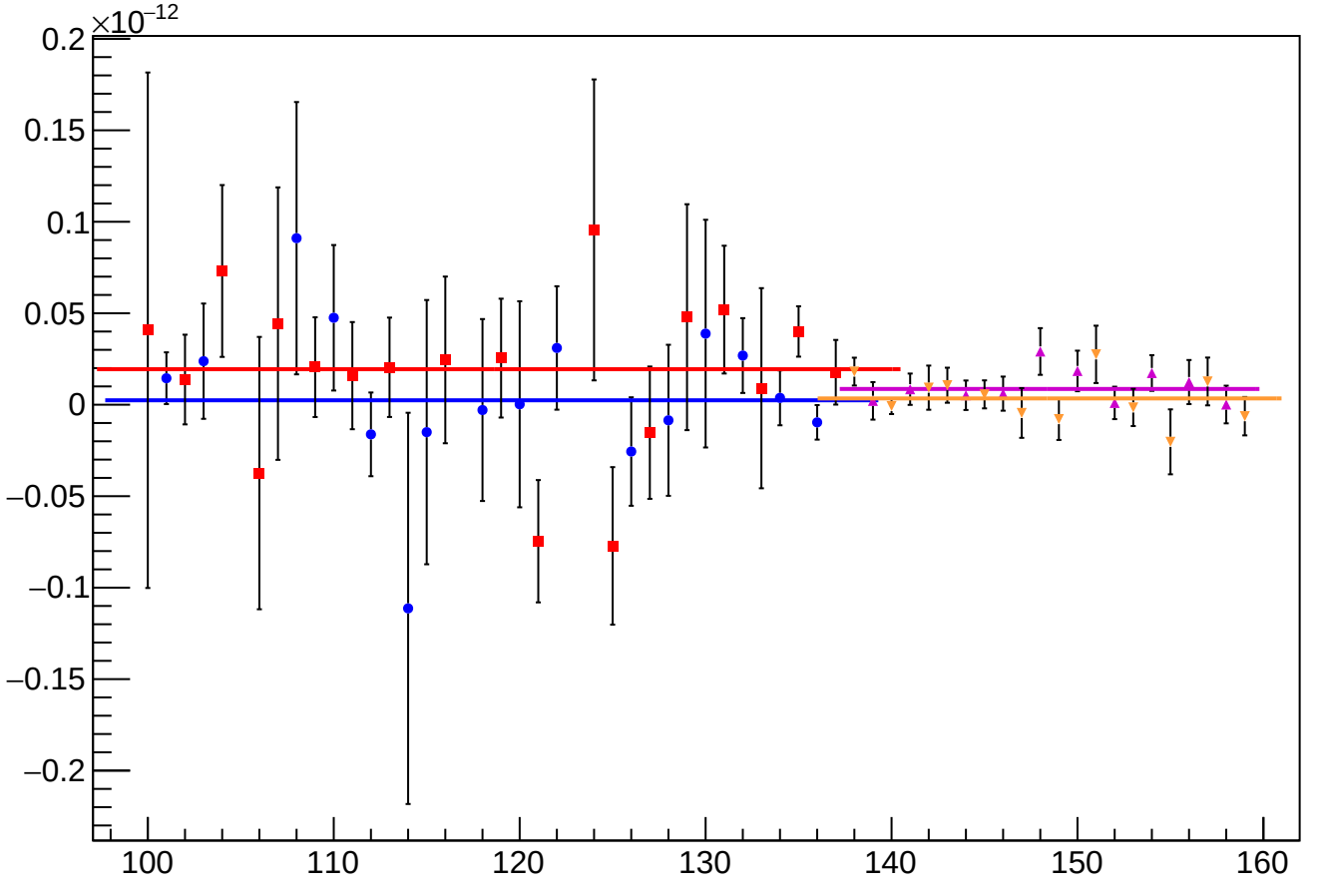
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.106+/-0.004 χ^2/NDF:2513710.7/25

Out: 22.446+/-0.004 χ^2/NDF:2599099.5/30

All: 22.278+/-0.003 χ^2/NDF: 5116175.5/56

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:12.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

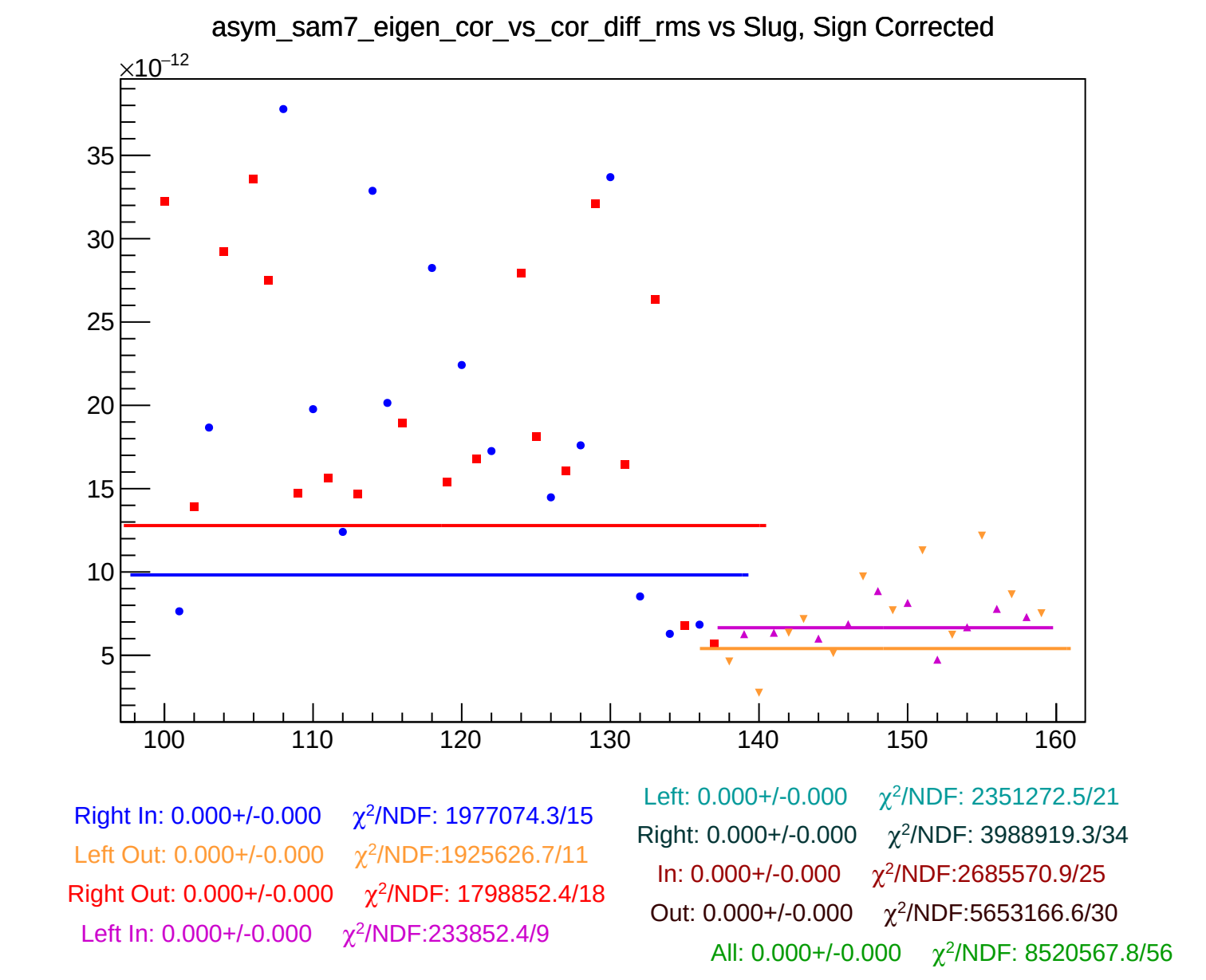
Left: 0.000+/-0.000 χ^2/NDF: 20.6/21

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

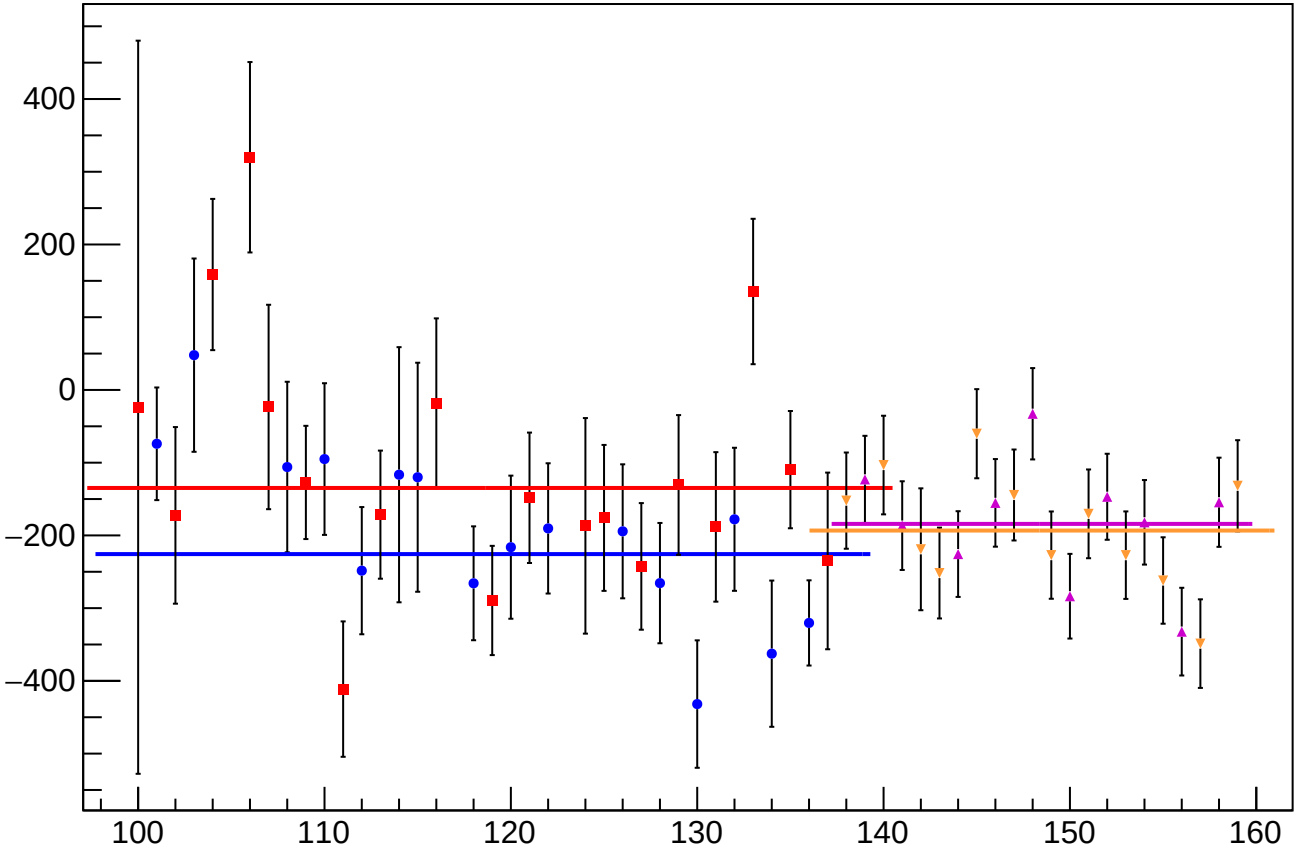
In: 0.000+/-0.000 χ^2/NDF:18.1/25

Out: 0.000+/-0.000 χ^2/NDF:37.4/30

All: 0.000+/-0.000 χ^2/NDF: 55.7/56


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
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1925626.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:233852.4/9
Left: 0.000+/-0.000 χ²/NDF: 2351272.5/21
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2685570.9/25
Out: 0.000+/-0.000 χ²/NDF:5653166.6/30
All: 0.000+/-0.000 χ²/NDF: 8520567.8/56

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -193.306+/-18.265 χ^2/NDF:18.0/11

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -184.174+/-18.954 χ^2/NDF:17.2/9

Left: -188.909+/-13.152 χ^2/NDF: 35.3/21

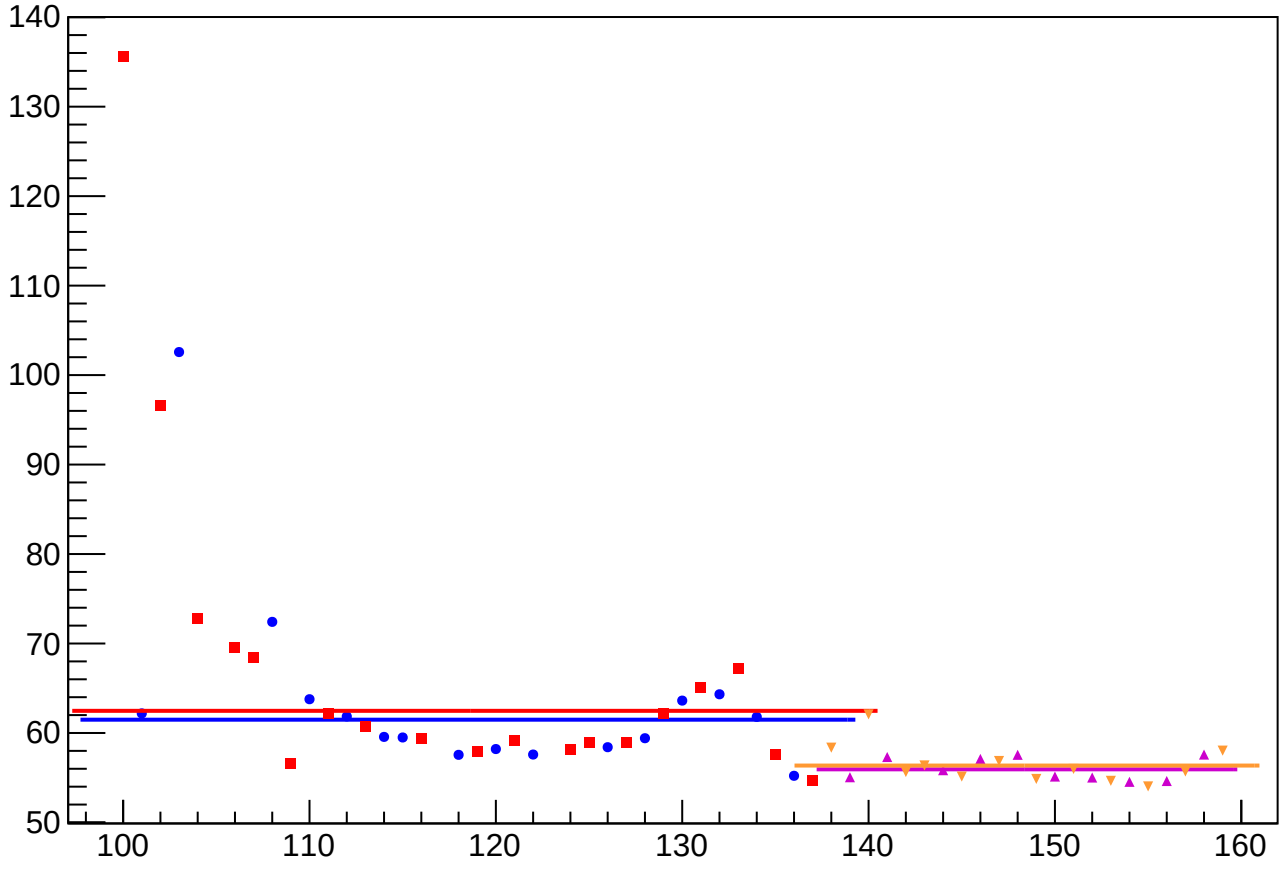
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.864+/-14.658 χ^2/NDF:41.7/25

Out: -170.894+/-14.349 χ^2/NDF:67.2/30

All: -185.560+/-10.254 χ^2/NDF: 111.1/56

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.360+/-0.013 χ^2/NDF:24837.0/11

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

Left: 56.156+/-0.009 χ^2/NDF: 33302.6/21

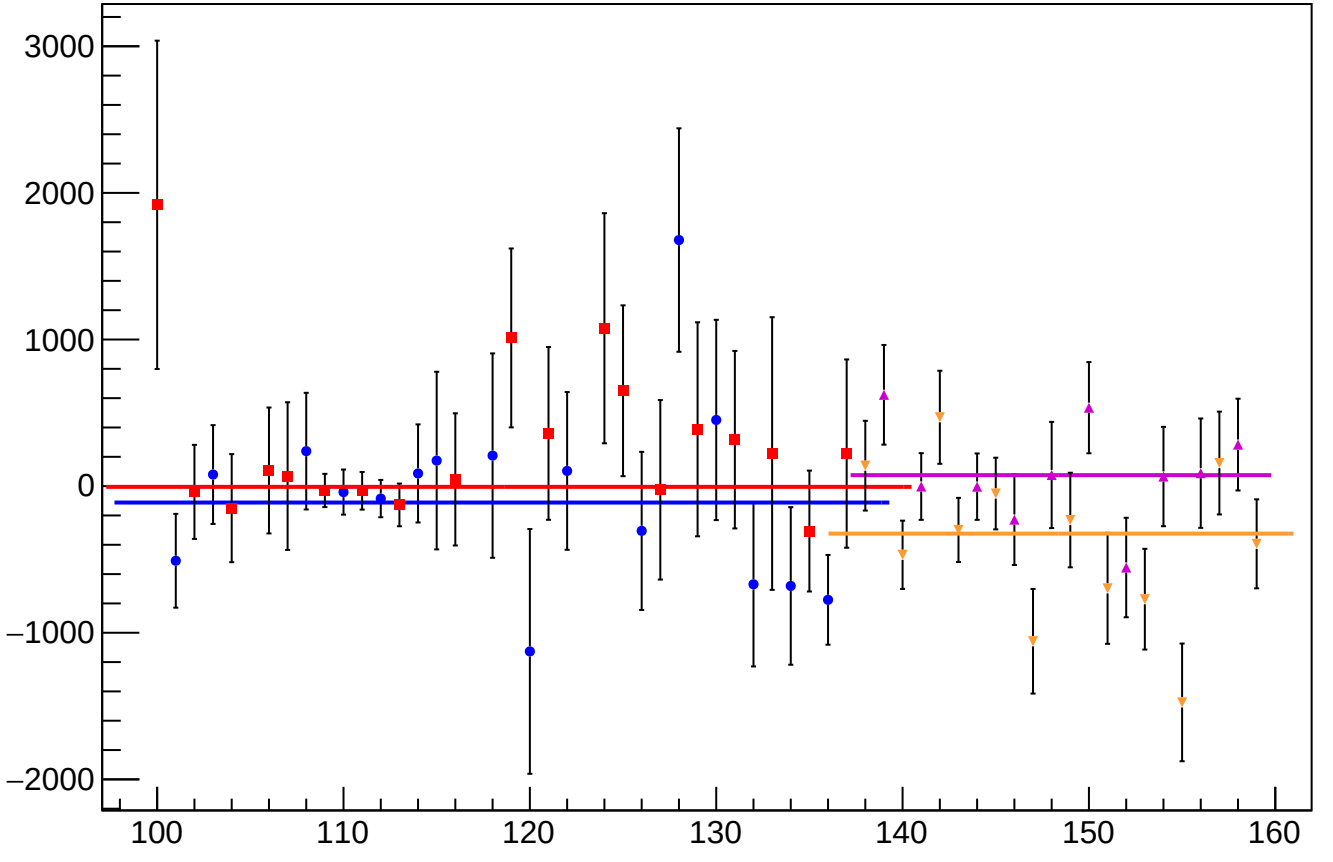
Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.168+/-0.010 χ^2/NDF:327516.8/25

Out: 58.701+/-0.010 χ^2/NDF:391817.8/30

All: 58.440+/-0.007 χ^2/NDF: 720688.6/56

asym_sam8_reg_correction_mean vs Slug, Sign Corrected



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -323.864+/-86.129 χ^2/NDF:27.3/11

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 74.931+/-95.053 χ^2/NDF:9.9/9

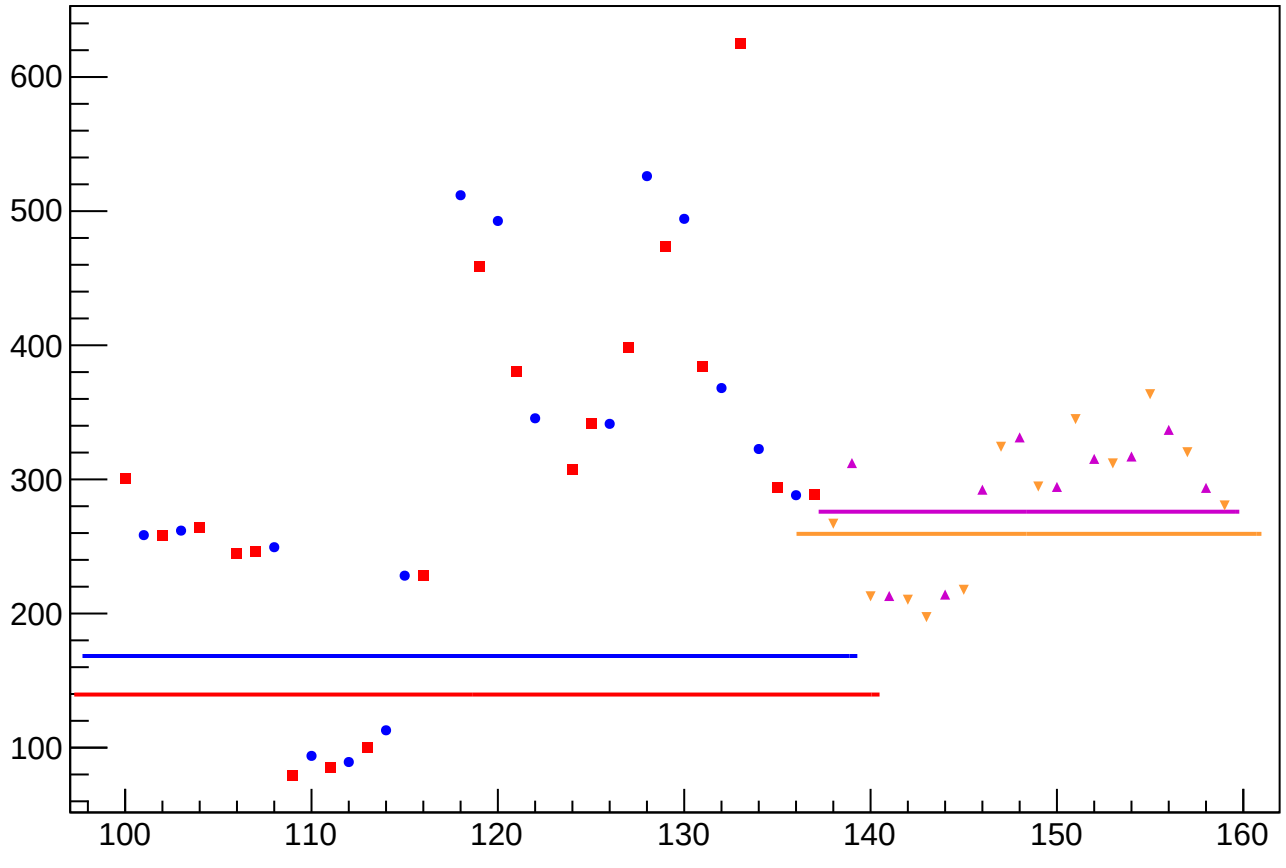
Left: -144.061+/-63.825 χ^2/NDF: 46.9/21

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -38.782+/-59.460 χ^2/NDF:30.7/25

Out: -118.208+/-51.335 χ^2/NDF:47.8/30

All: -84.288+/-38.857 χ^2/NDF: 79.5/56



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.402+/-0.061 χ^2/NDF:792082.3/11

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500332.0/9

Left: 266.846+/-0.045 χ^2/NDF: 1325548.1/21

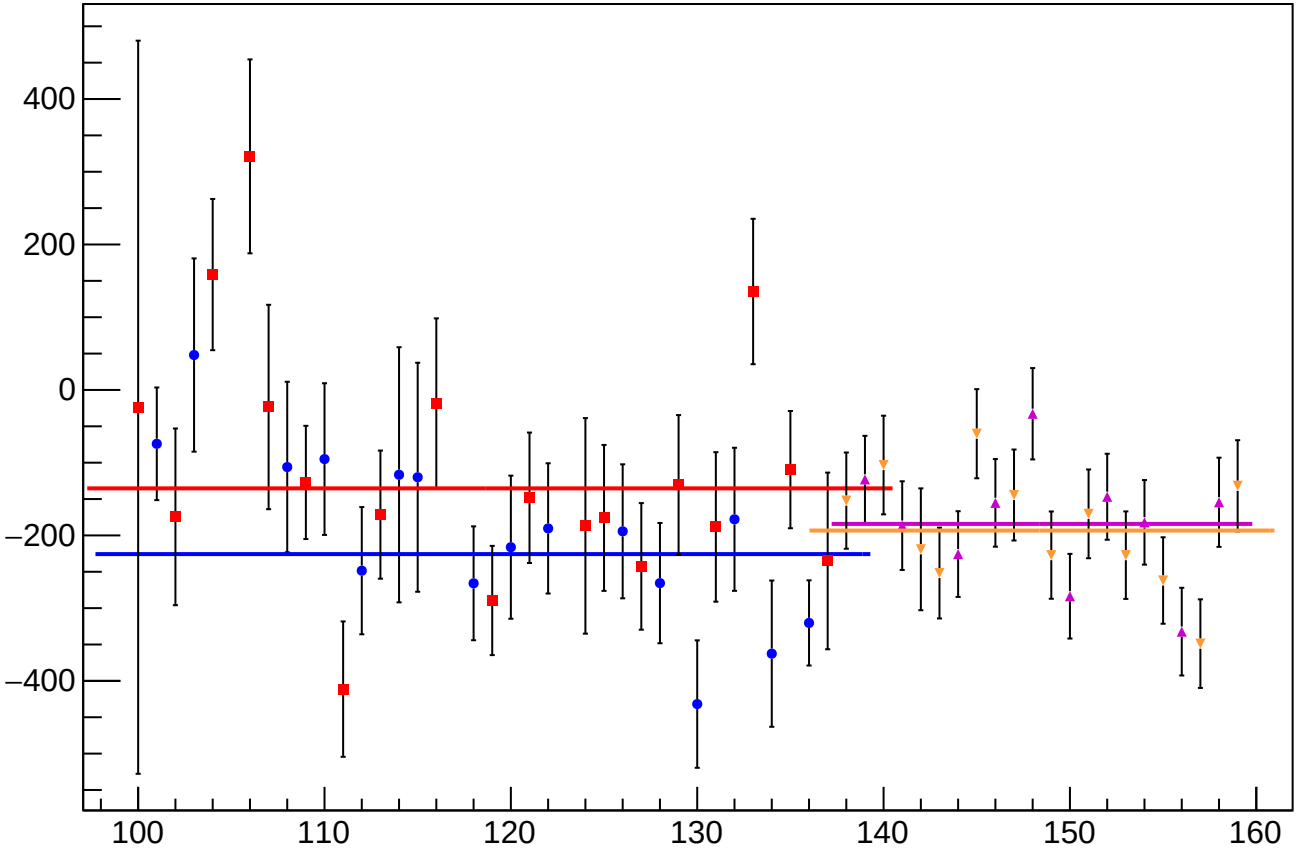
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 210.428+/-0.042 χ^2/NDF:6603870.7/25

Out: 182.156+/-0.036 χ^2/NDF:8441402.4/30

All: 194.230+/-0.027 χ^2/NDF: 15304329.5/56

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -193.306+/-18.265 χ^2/NDF:18.1/11

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -184.174+/-18.954 χ^2/NDF:17.2/9

Left: -188.909+/-13.152 χ^2/NDF: 35.3/21

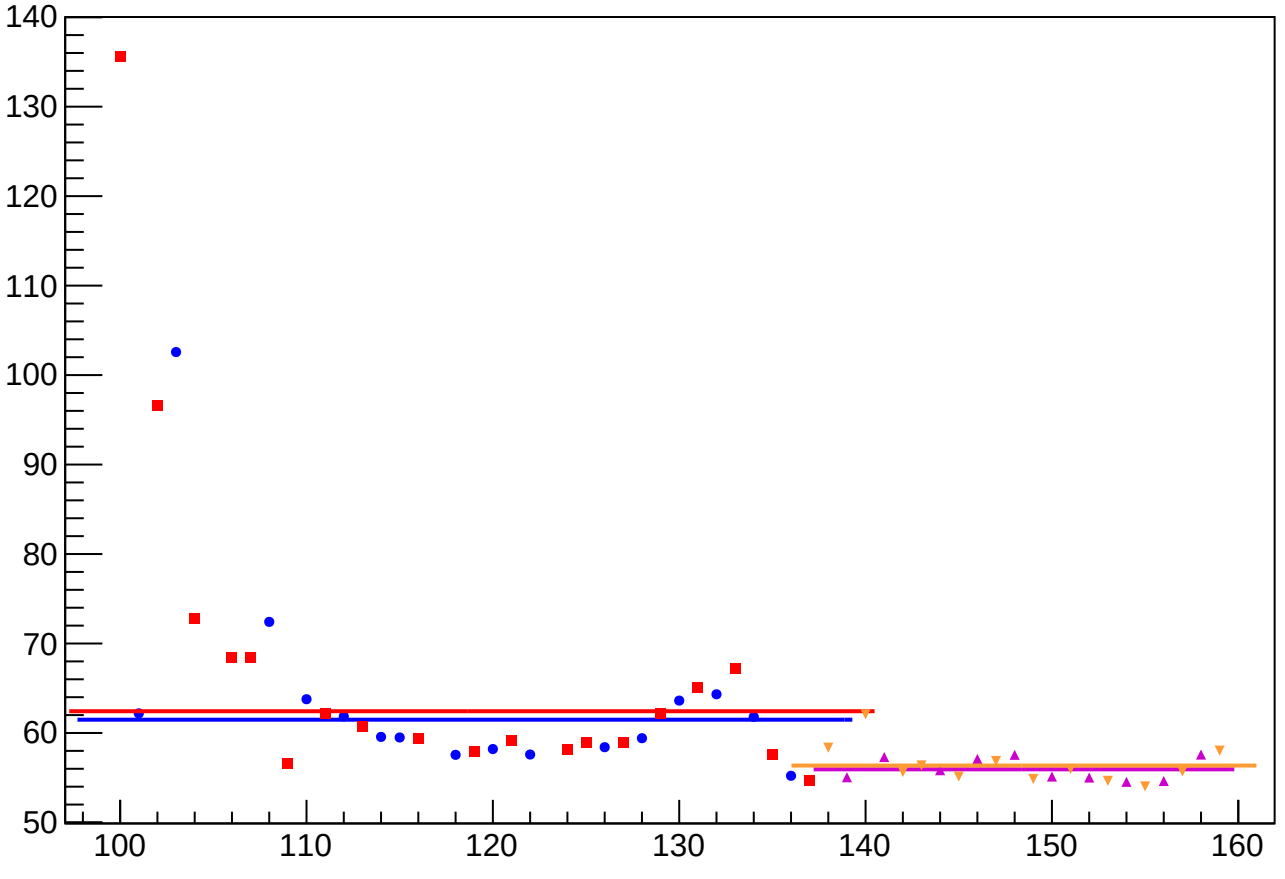
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.864+/-14.658 χ^2/NDF:41.7/25

Out: -171.120+/-14.353 χ^2/NDF:66.8/30

All: -185.679+/-10.255 χ^2/NDF: 110.6/56

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.360+/-0.013 χ^2/NDF:24837.0/11

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

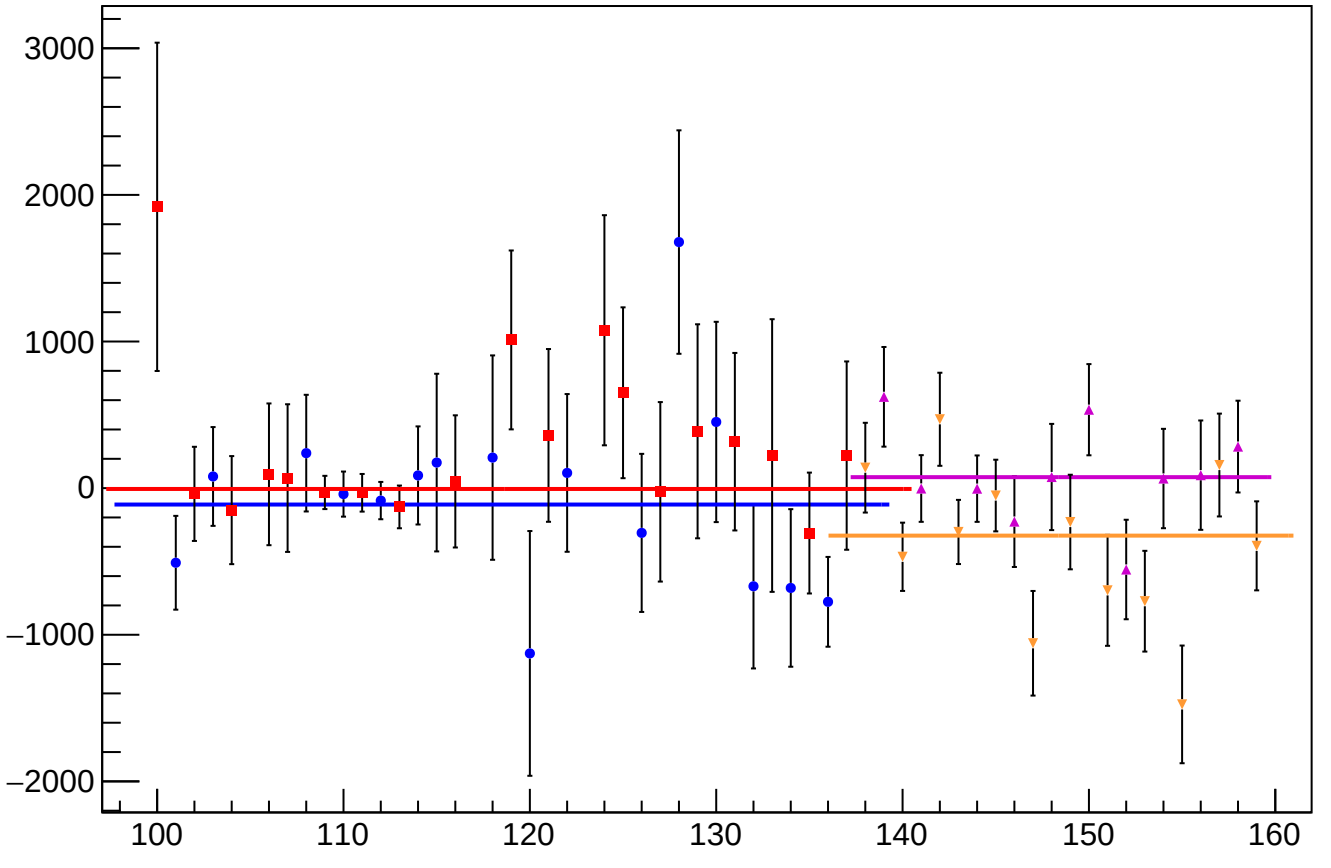
Left: 56.156+/-0.009 χ^2/NDF: 33302.6/21

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.168+/-0.010 χ^2/NDF:327519.5/25

Out: 58.683+/-0.010 χ^2/NDF:388813.0/30

All: 58.431+/-0.007 χ^2/NDF: 717595.5/56



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -323.863+/-86.129 χ^2/NDF:27.3/11

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 74.928+/-95.053 χ^2/NDF:9.9/9

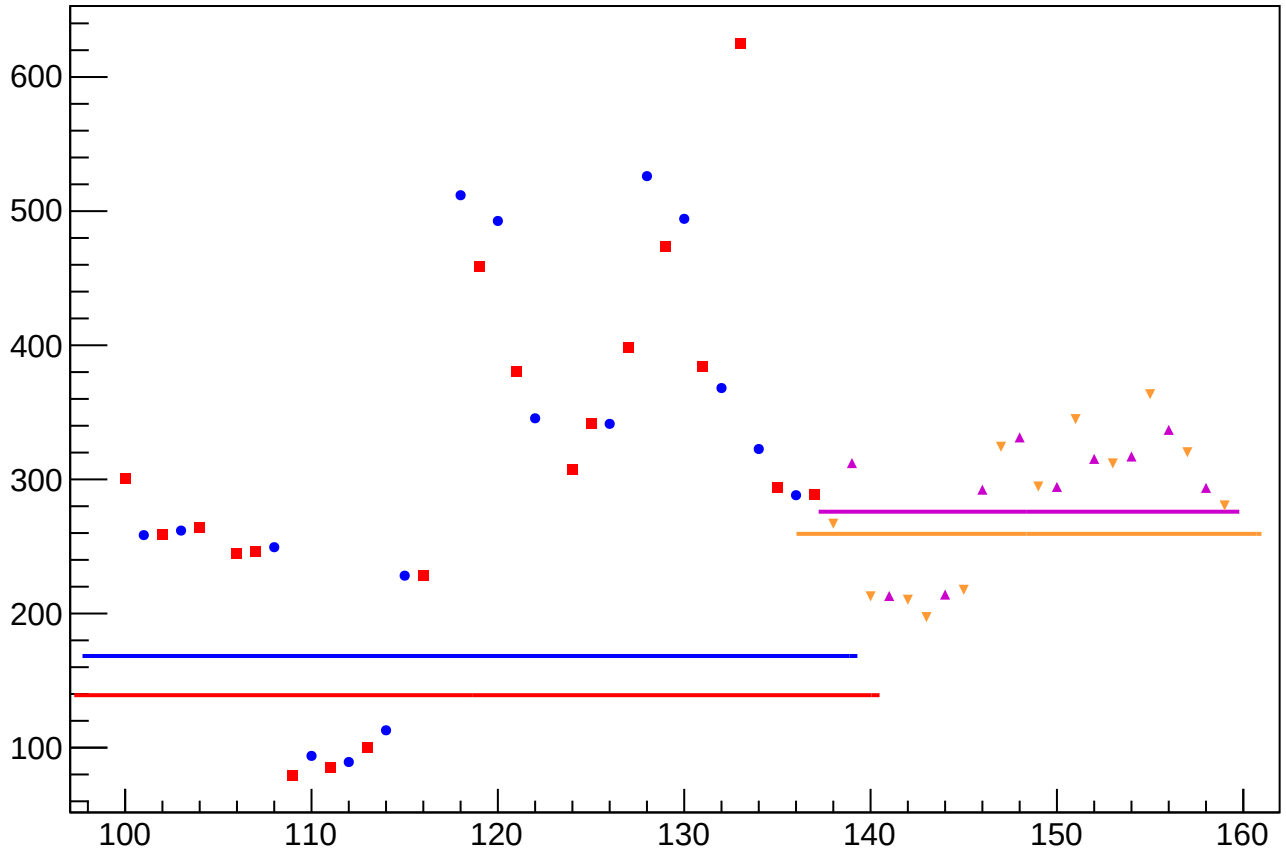
Left: -144.062+/-63.825 χ^2/NDF: 46.9/21

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -38.771+/-59.460 χ^2/NDF:30.7/25

Out: -119.021+/-51.414 χ^2/NDF:47.7/30

All: -84.689+/-38.891 χ^2/NDF: 79.5/56



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.402+/-0.061 χ^2/NDF:792087.3/11

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

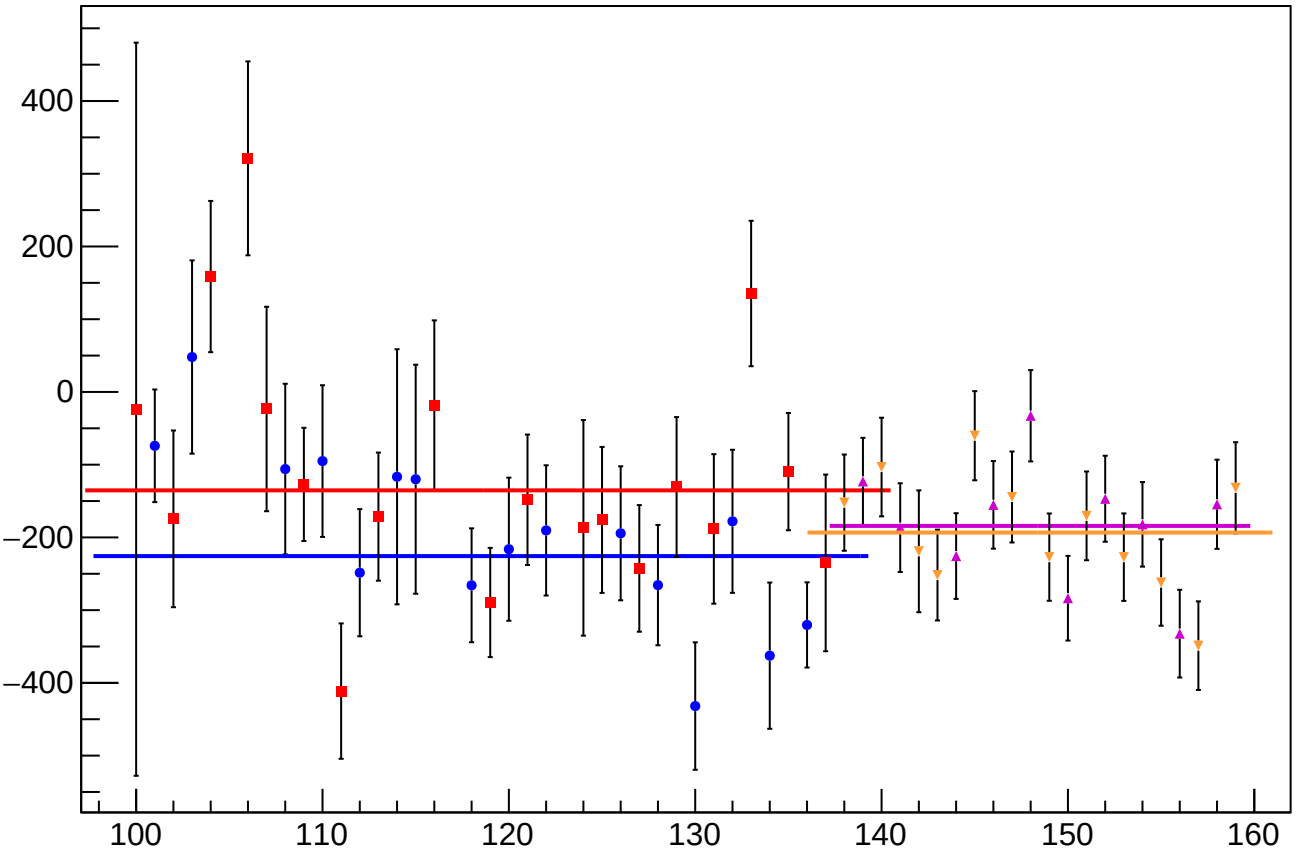
Left: 266.846+/-0.045 χ^2/NDF: 1325553.4/21

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 210.428+/-0.042 χ^2/NDF:6603911.0/25

Out: 181.972+/-0.036 χ^2/NDF:8433409.4/30

All: 194.146+/-0.028 χ^2/NDF: 15299425.6/56



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -193.306+/-18.265 χ^2/NDF:18.1/11

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -184.174+/-18.954 χ^2/NDF:17.2/9

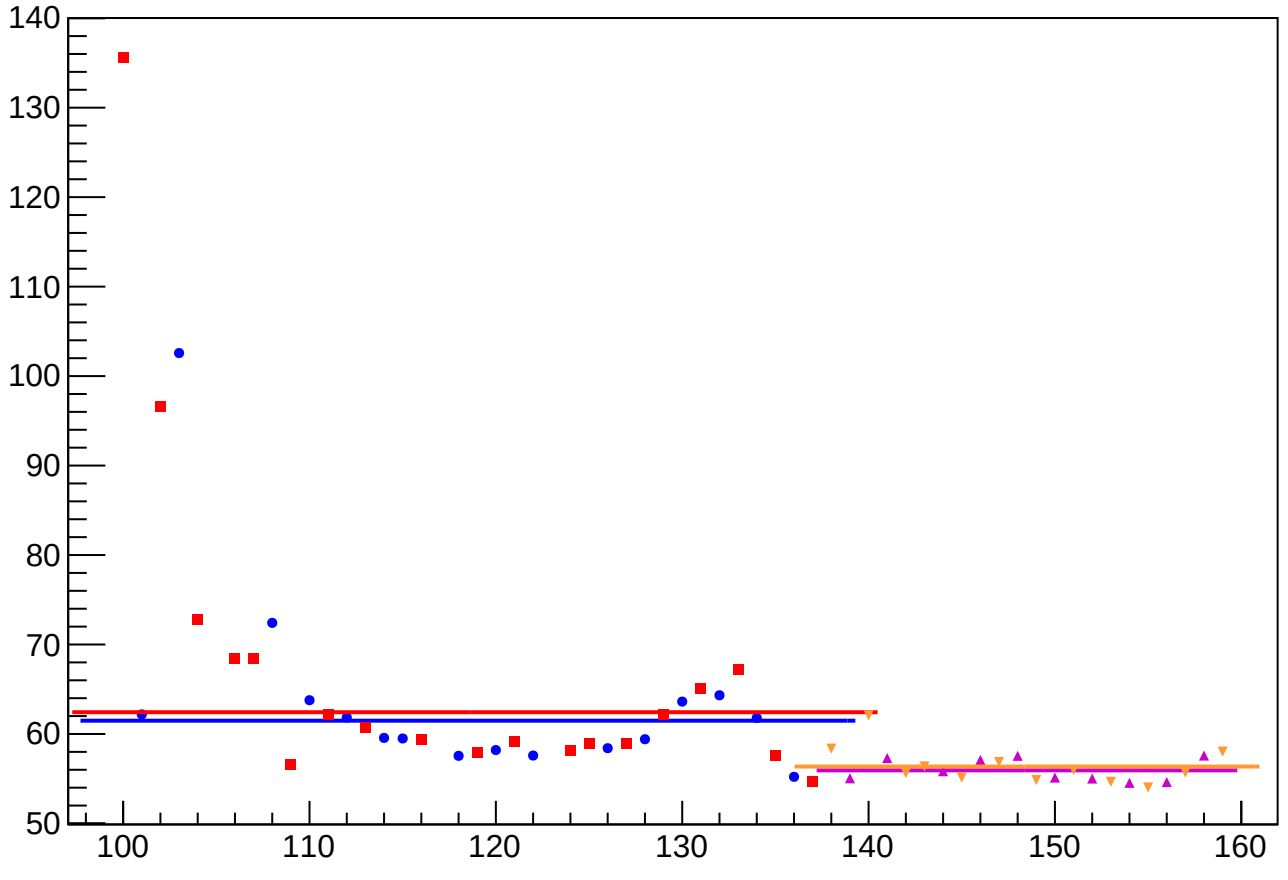
Left: -188.909+/-13.152 χ^2/NDF: 35.3/21

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.864+/-14.658 χ^2/NDF:41.7/25

Out: -171.120+/-14.353 χ^2/NDF:66.8/30

All: -185.679+/-10.255 χ^2/NDF: 110.6/56



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.360+/-0.013 χ^2/NDF:24837.0/11

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

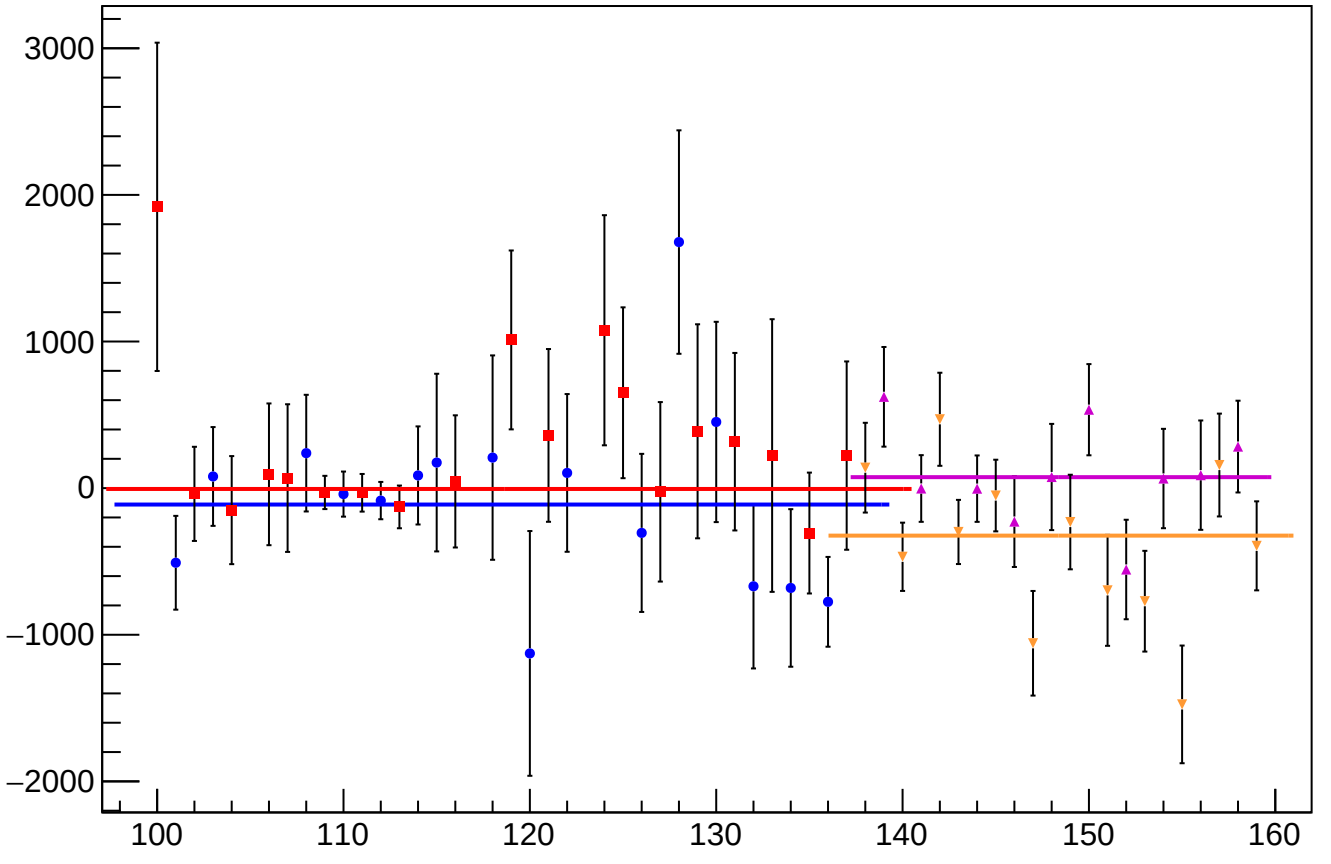
Left: 56.156+/-0.009 χ^2/NDF: 33302.6/21

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.168+/-0.010 χ^2/NDF:327519.5/25

Out: 58.683+/-0.010 χ^2/NDF:388813.0/30

All: 58.431+/-0.007 χ^2/NDF: 717595.5/56



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -323.863+/-86.129 χ^2/NDF:27.3/11

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 74.928+/-95.053 χ^2/NDF:9.9/9

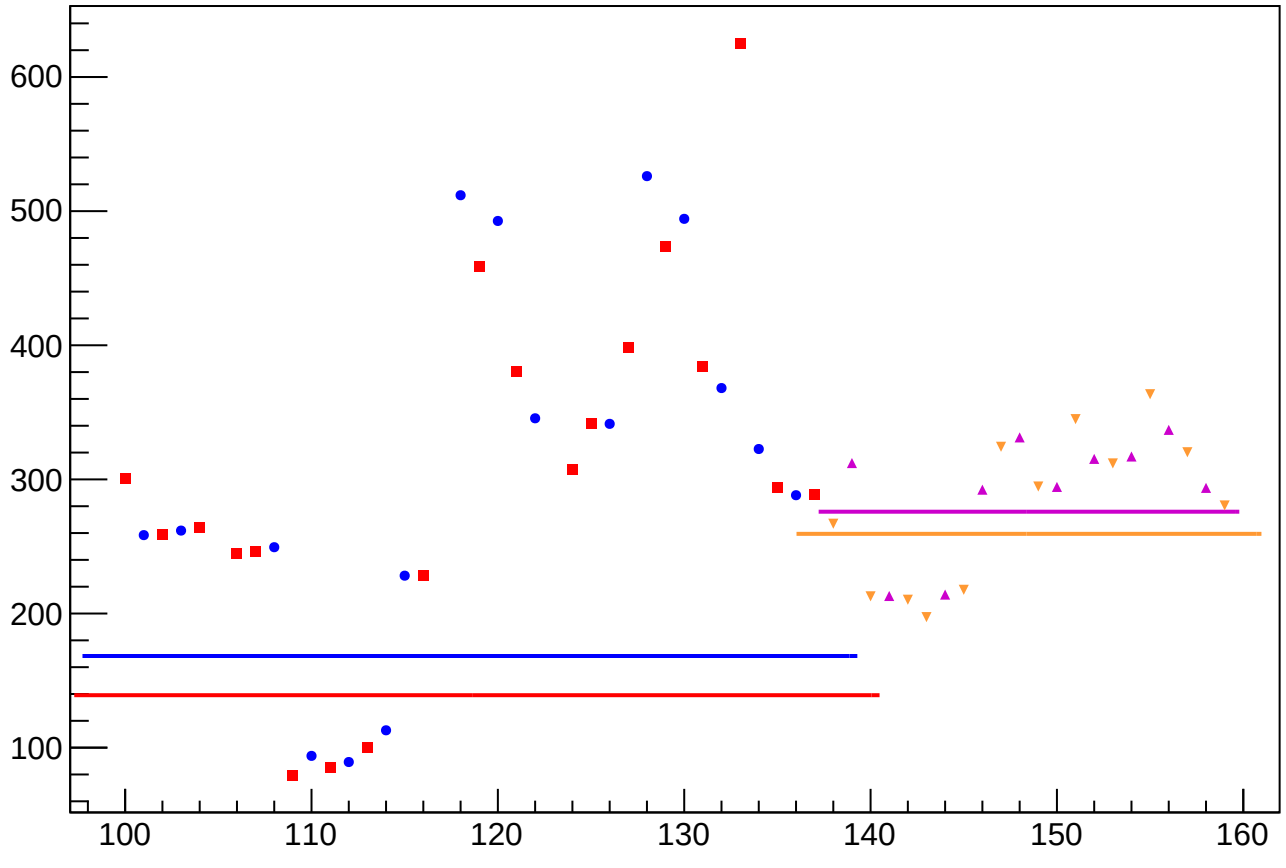
Left: -144.062+/-63.825 χ^2/NDF: 46.9/21

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -38.771+/-59.460 χ^2/NDF:30.7/25

Out: -119.021+/-51.414 χ^2/NDF:47.7/30

All: -84.689+/-38.891 χ^2/NDF: 79.5/56



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.402+/-0.061 χ^2/NDF:792087.3/11

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

Left: 266.846+/-0.045 χ^2/NDF: 1325553.4/21

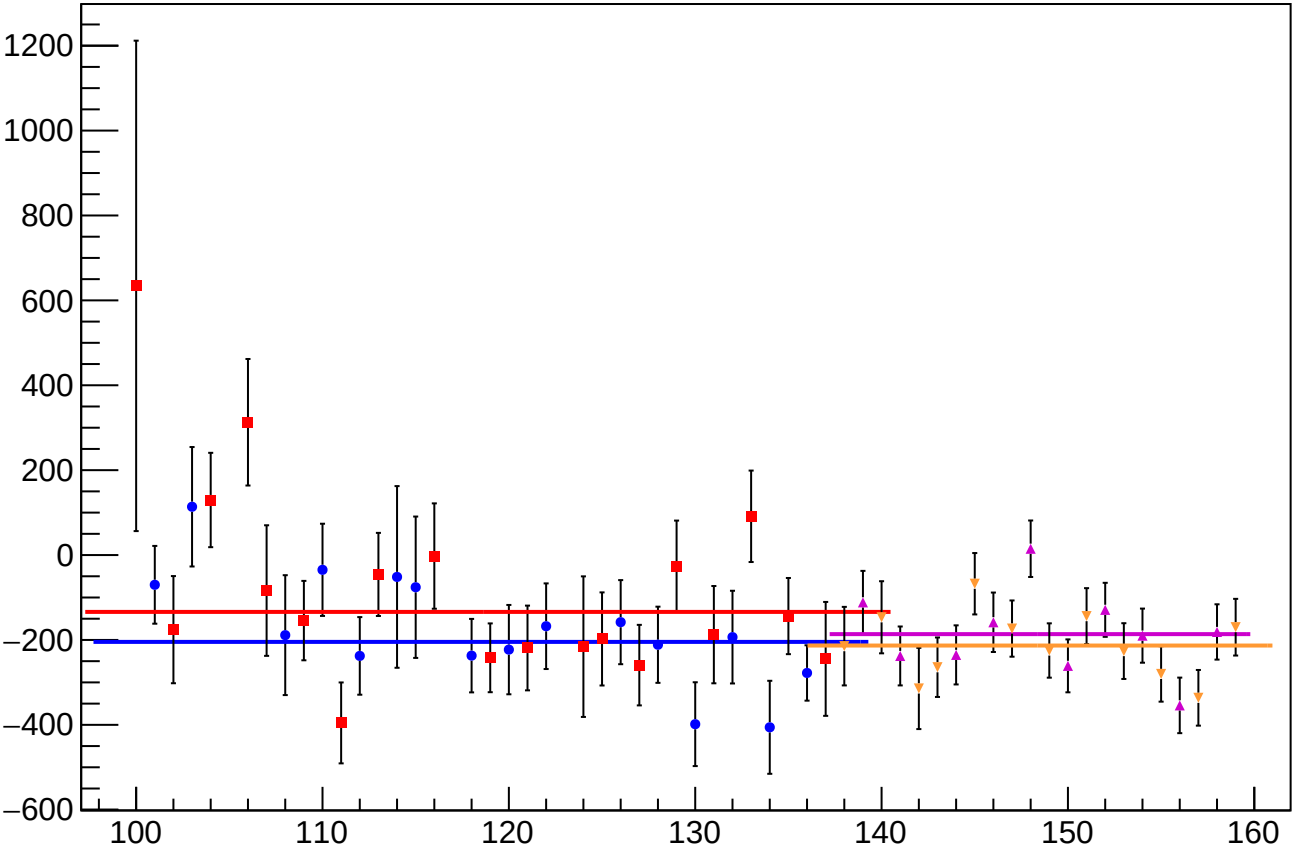
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 210.428+/-0.042 χ^2/NDF:6603911.0/25

Out: 181.972+/-0.036 χ^2/NDF:8433409.4/30

All: 194.146+/-0.028 χ^2/NDF: 15299425.6/56

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.164+/-20.476 χ^2/NDF:12.9/11

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -186.279+/-21.104 χ^2/NDF:20.2/9

Left: -200.128+/-14.696 χ^2/NDF: 33.9/21

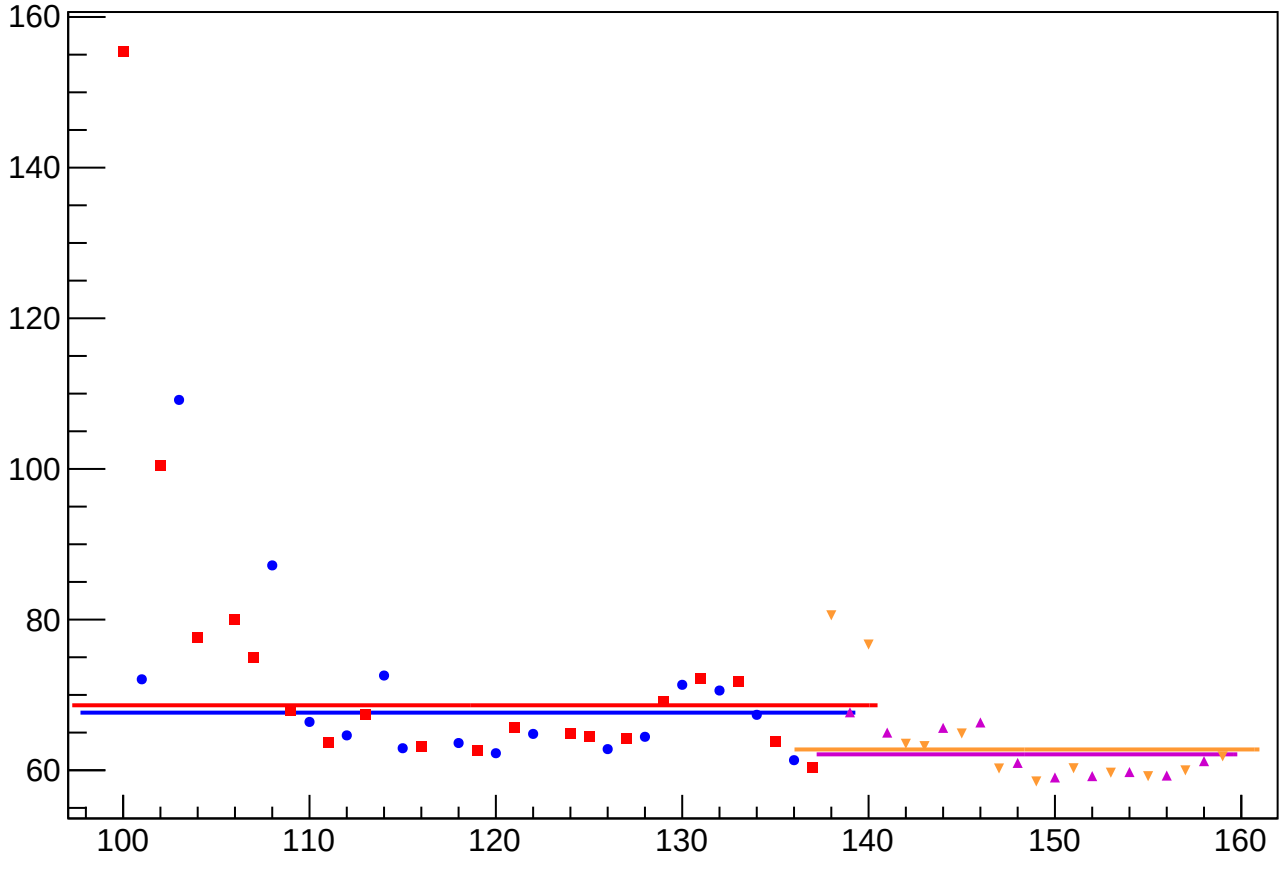
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -193.709+/-16.264 χ^2/NDF:40.5/25

Out: -182.077+/-15.962 χ^2/NDF:56.0/30

All: -187.784+/-11.392 χ^2/NDF: 96.7/56

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.760+/-0.014 χ^2/NDF:158702.5/11

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.110+/-0.015 χ^2/NDF:43567.9/9

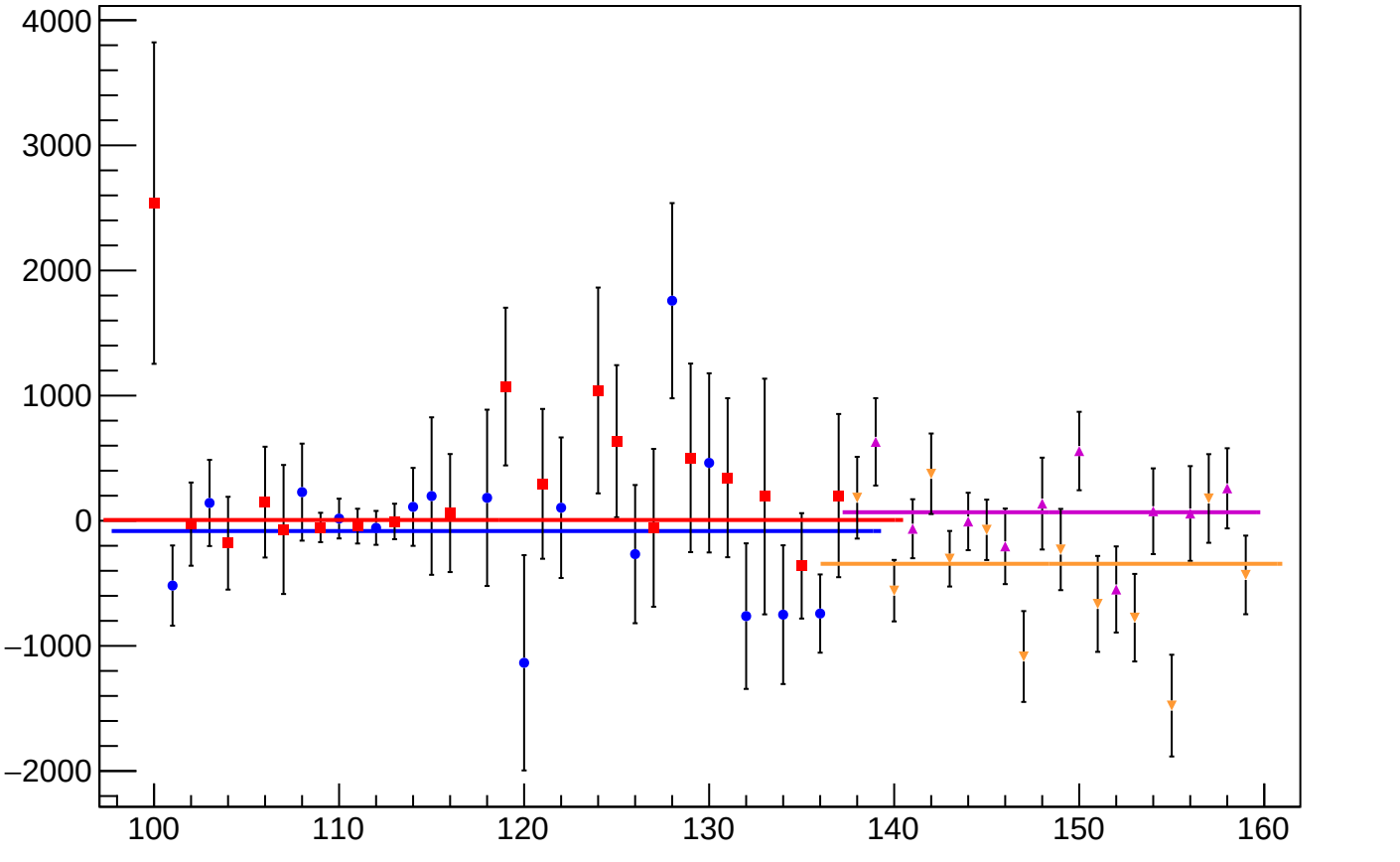
Left: 62.445+/-0.010 χ^2/NDF: 203248.1/21

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.359+/-0.012 χ^2/NDF:363151.7/25

Out: 65.061+/-0.011 χ^2/NDF:471218.5/30

All: 64.716+/-0.008 χ^2/NDF: 836268.3/56



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -344.095+/-87.955 χ^2/NDF:26.2/11

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 67.953+/-96.467 χ^2/NDF:9.9/9

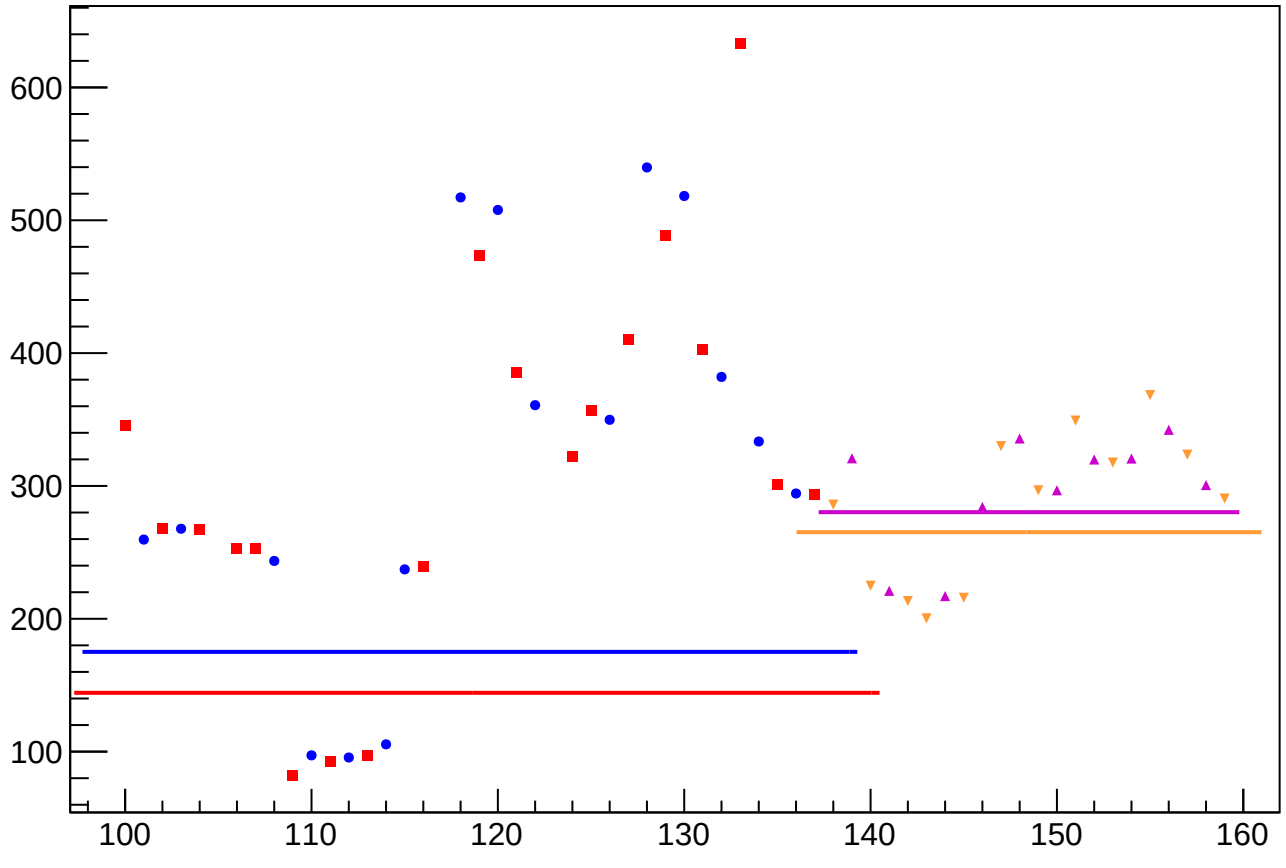
Left: -157.048+/-64.995 χ^2/NDF: 46.0/21

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -22.237+/-60.970 χ^2/NDF:30.5/25

Out: -119.857+/-52.744 χ^2/NDF:48.4/30

All: -78.071+/-39.889 χ^2/NDF: 80.4/56



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.193+/-0.062 χ^2/NDF:787726.4/11

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 280.265+/-0.068 χ^2/NDF:472333.3/9

Left: 272.035+/-0.046 χ^2/NDF: 1286720.0/21

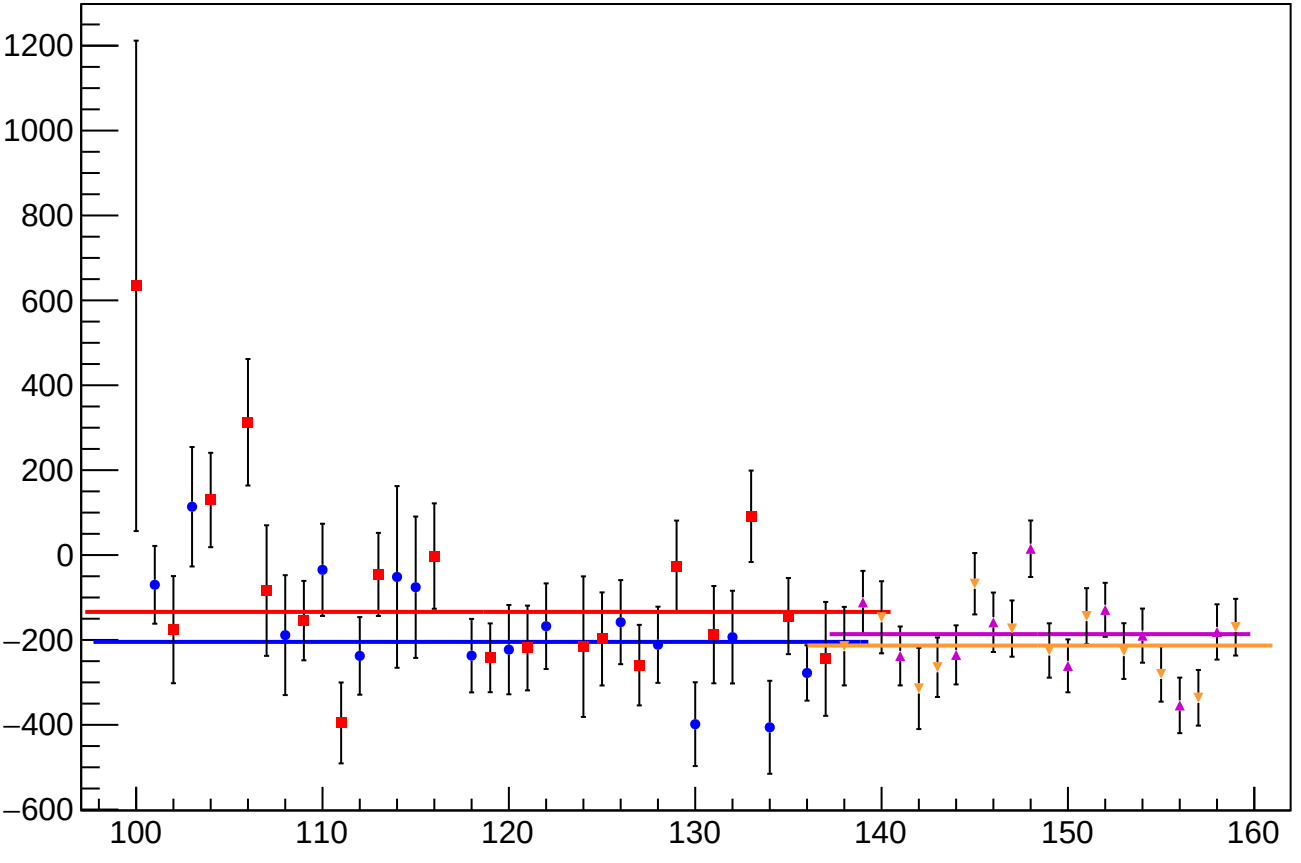
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 217.109+/-0.043 χ^2/NDF:6328875.7/25

Out: 187.759+/-0.037 χ^2/NDF:8340784.6/30

All: 200.322+/-0.028 χ^2/NDF: 14934739.1/56

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.163+/-20.476 χ^2/NDF:12.9/11

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -186.279+/-21.104 χ^2/NDF:20.2/9

Left: -200.127+/-14.696 χ^2/NDF: 33.9/21

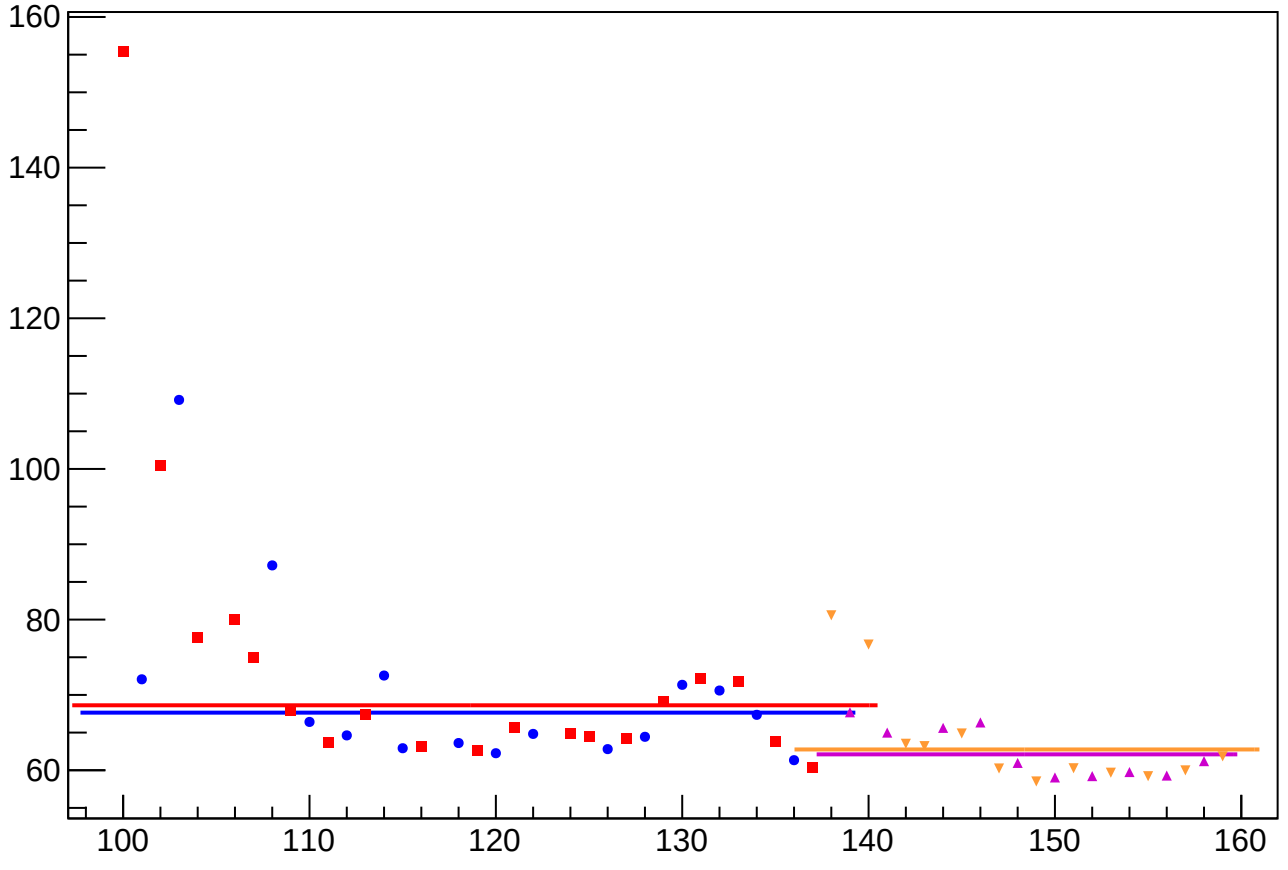
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -193.709+/-16.264 χ^2/NDF:40.5/25

Out: -182.077+/-15.962 χ^2/NDF:56.0/30

All: -187.784+/-11.392 χ^2/NDF: 96.7/56

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.760+/-0.014 χ^2/NDF:158701.5/11

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.110+/-0.015 χ^2/NDF:43568.6/9

Left: 62.445+/-0.010 χ^2/NDF: 203247.9/21

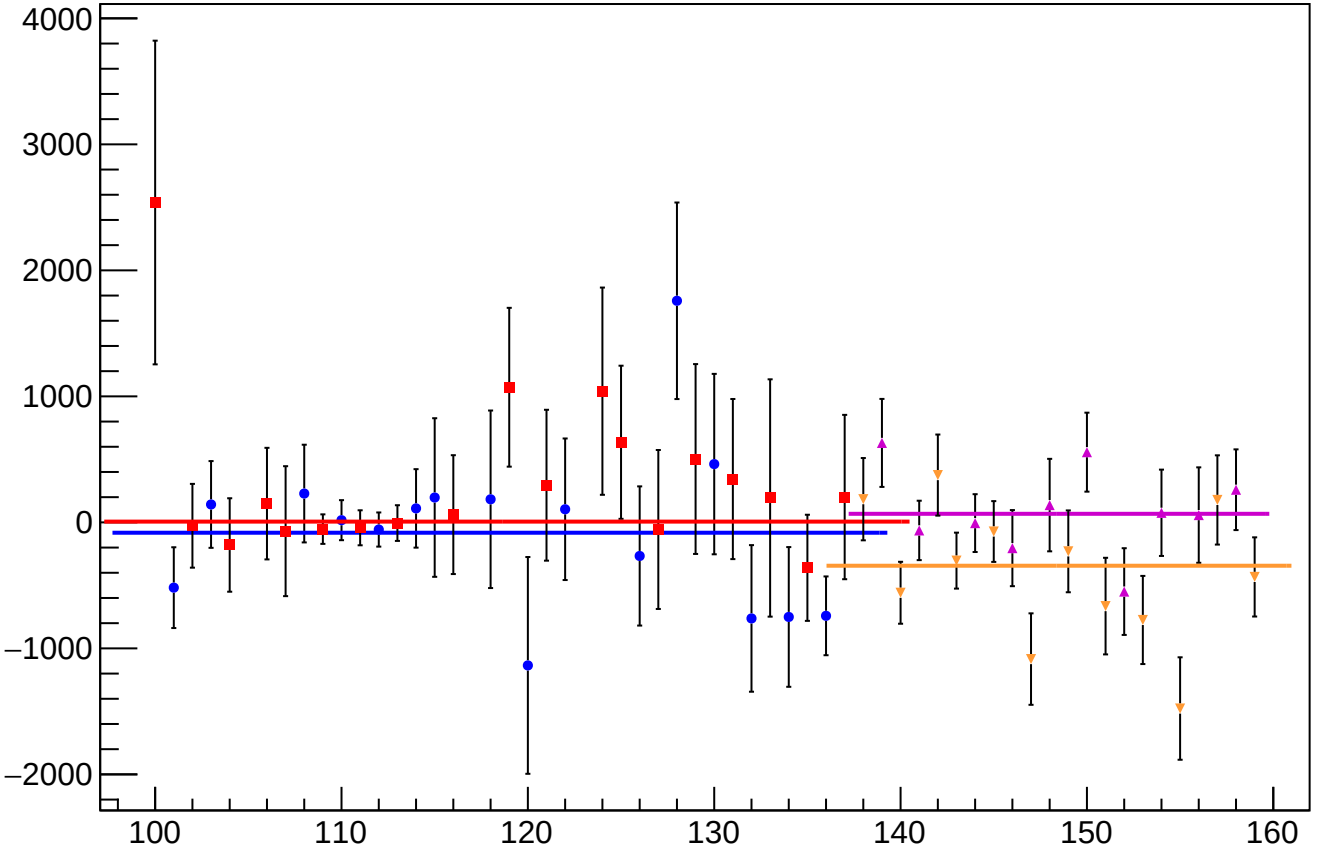
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.358+/-0.012 χ^2/NDF:363146.8/25

Out: 65.061+/-0.011 χ^2/NDF:471213.3/30

All: 64.716+/-0.008 χ^2/NDF: 836258.2/56

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -344.094+/-87.955 χ^2/NDF:26.2/11

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 67.953+/-96.467 χ^2/NDF:9.9/9

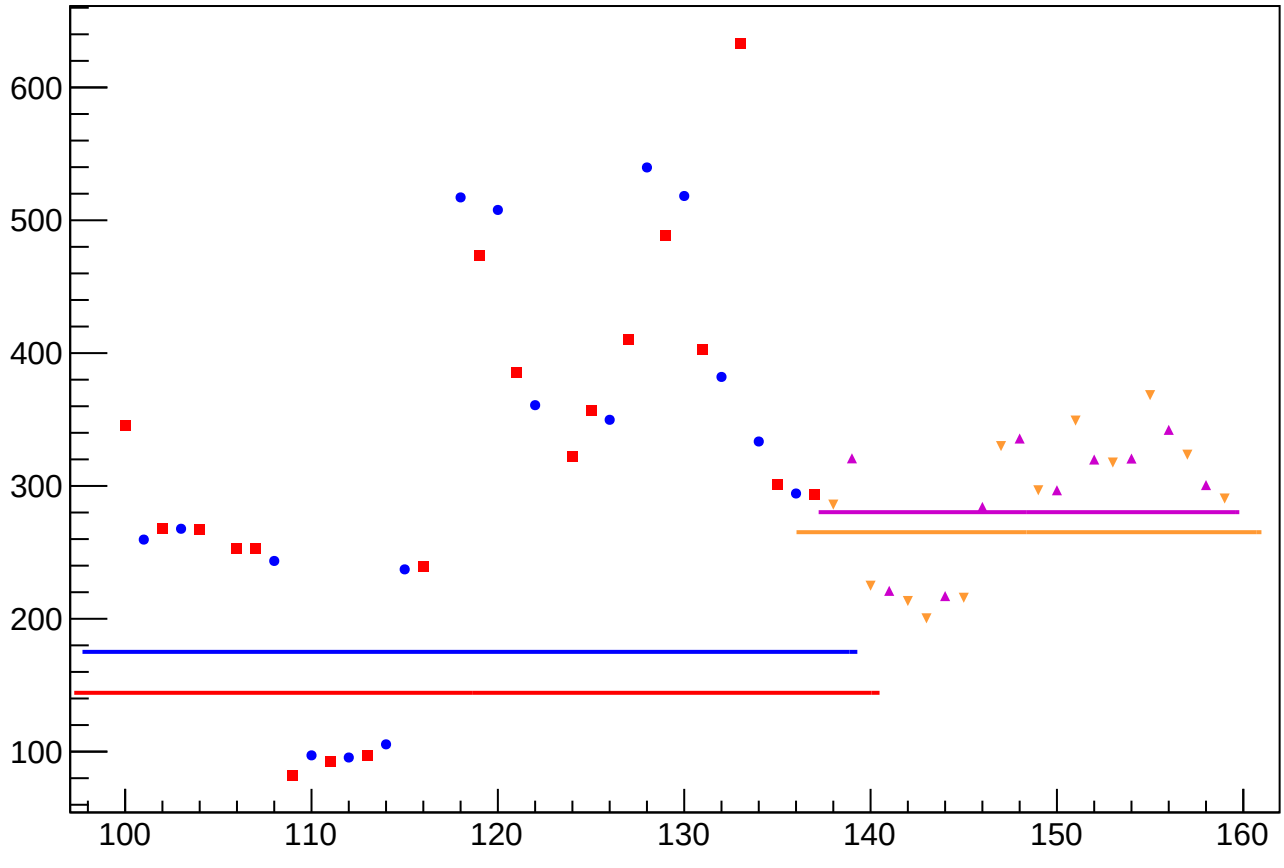
Left: -157.048+/-64.995 χ^2/NDF: 46.0/21

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -22.236+/-60.969 χ^2/NDF:30.5/25

Out: -119.857+/-52.744 χ^2/NDF:48.4/30

All: -78.071+/-39.889 χ^2/NDF: 80.4/56



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.192+/-0.062 χ^2/NDF:787734.4/11

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 280.264+/-0.068 χ^2/NDF:472334.3/9

Left: 272.034+/-0.046 χ^2/NDF: 1286729.9/21

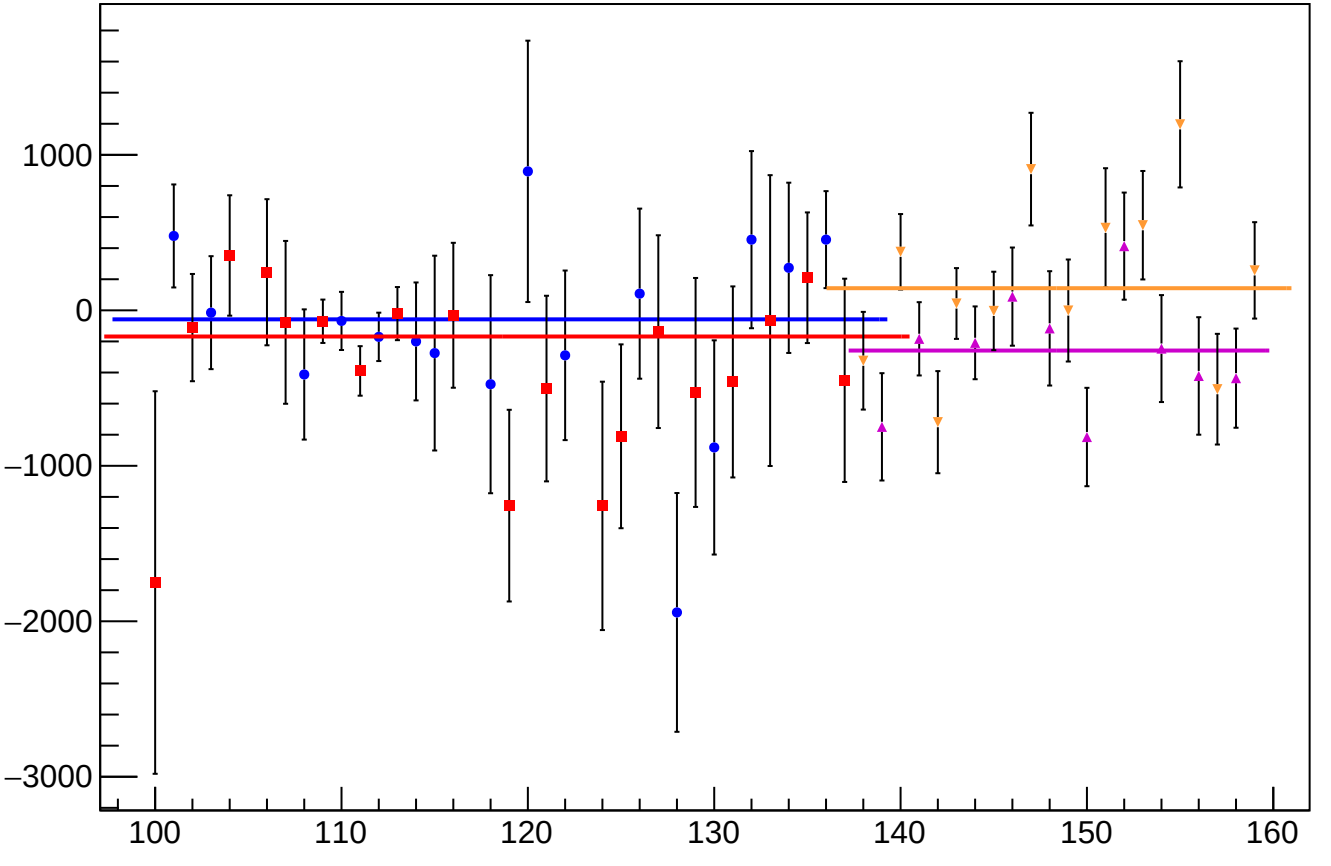
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 217.107+/-0.043 χ^2/NDF:6328924.0/25

Out: 187.758+/-0.037 χ^2/NDF:8340757.9/30

All: 200.321+/-0.028 χ^2/NDF: 14934747.9/56

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 142.341+/-88.501 χ^2/NDF:27.8/11

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -258.644+/-97.235 χ^2/NDF:10.9/9

Left: -39.337+/-65.450 χ^2/NDF: 48.0/21

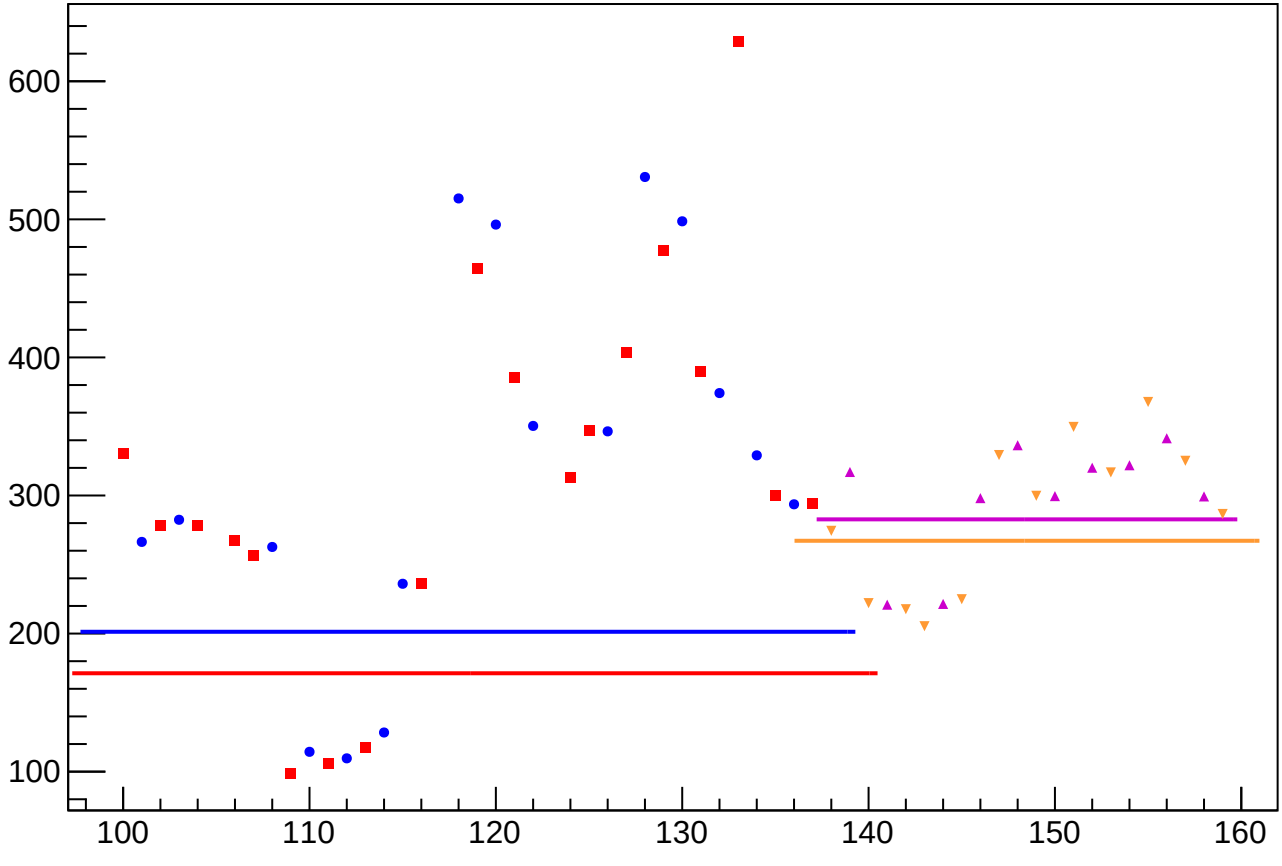
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -147.068+/-64.791 χ^2/NDF:30.7/25

Out: -39.282+/-57.038 χ^2/NDF:50.5/30

All: -86.344+/-42.812 χ^2/NDF: 82.7/56

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 267.207+/-0.063 χ^2/NDF:714661.4/11

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 282.716+/-0.069 χ^2/NDF:450386.0/9

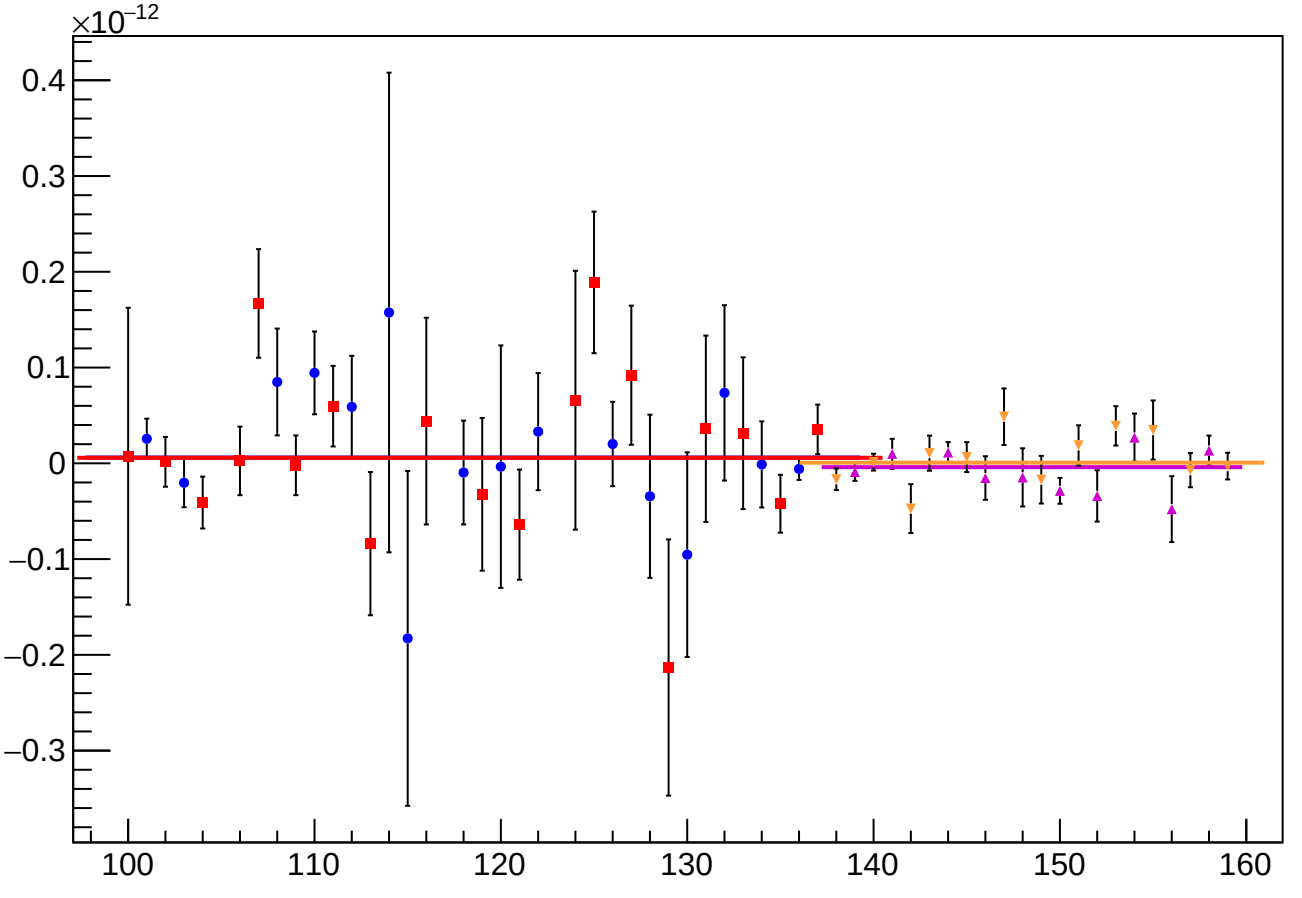
Left: 274.234+/-0.046 χ^2/NDF: 1192873.3/21

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 237.449+/-0.046 χ^2/NDF:4802177.9/25

Out: 211.109+/-0.040 χ^2/NDF:6281747.1/30

All: 222.609+/-0.030 χ^2/NDF: 11270151.9/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/9

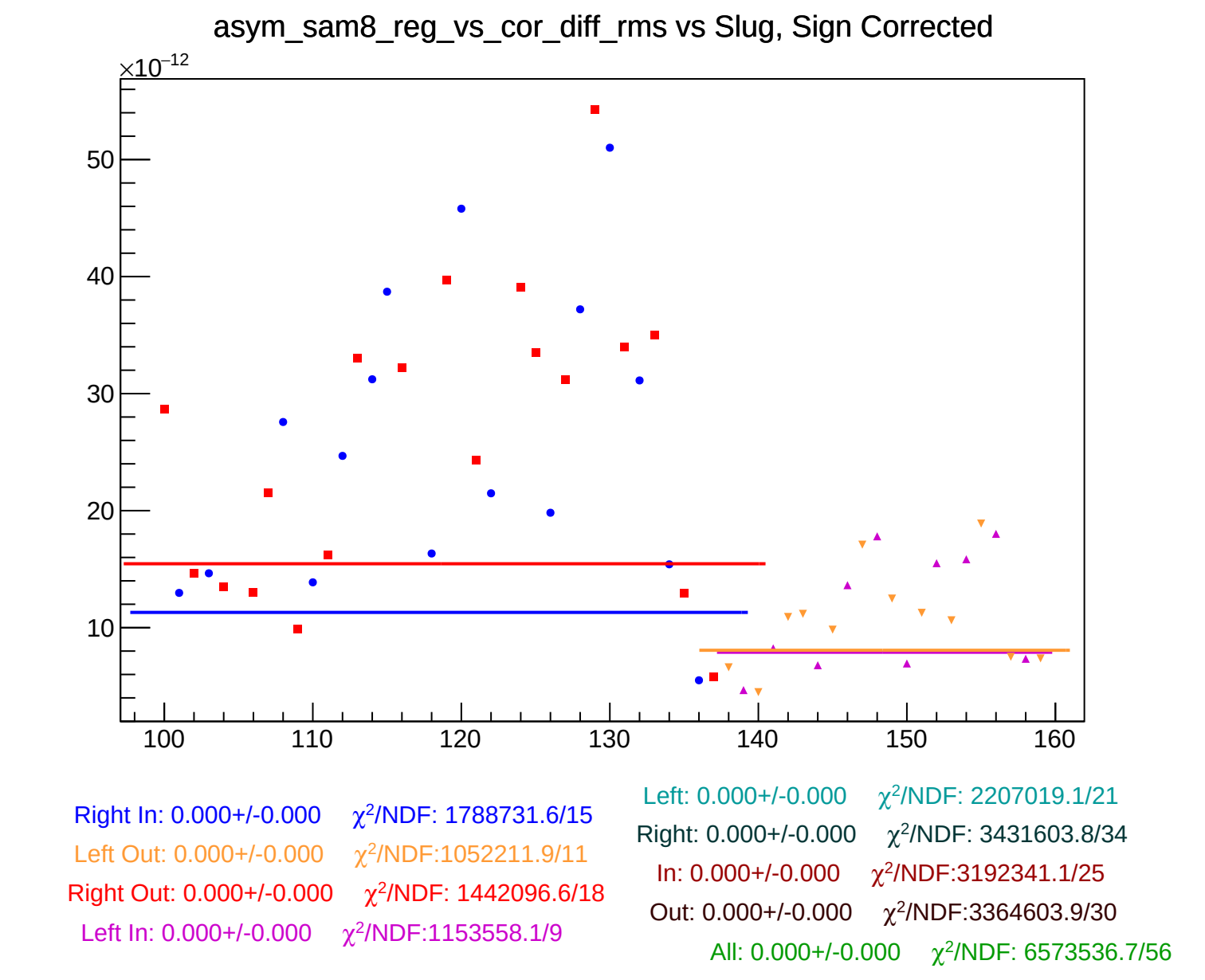
Left: -0.000+/-0.000 χ^2/NDF: 28.1/21

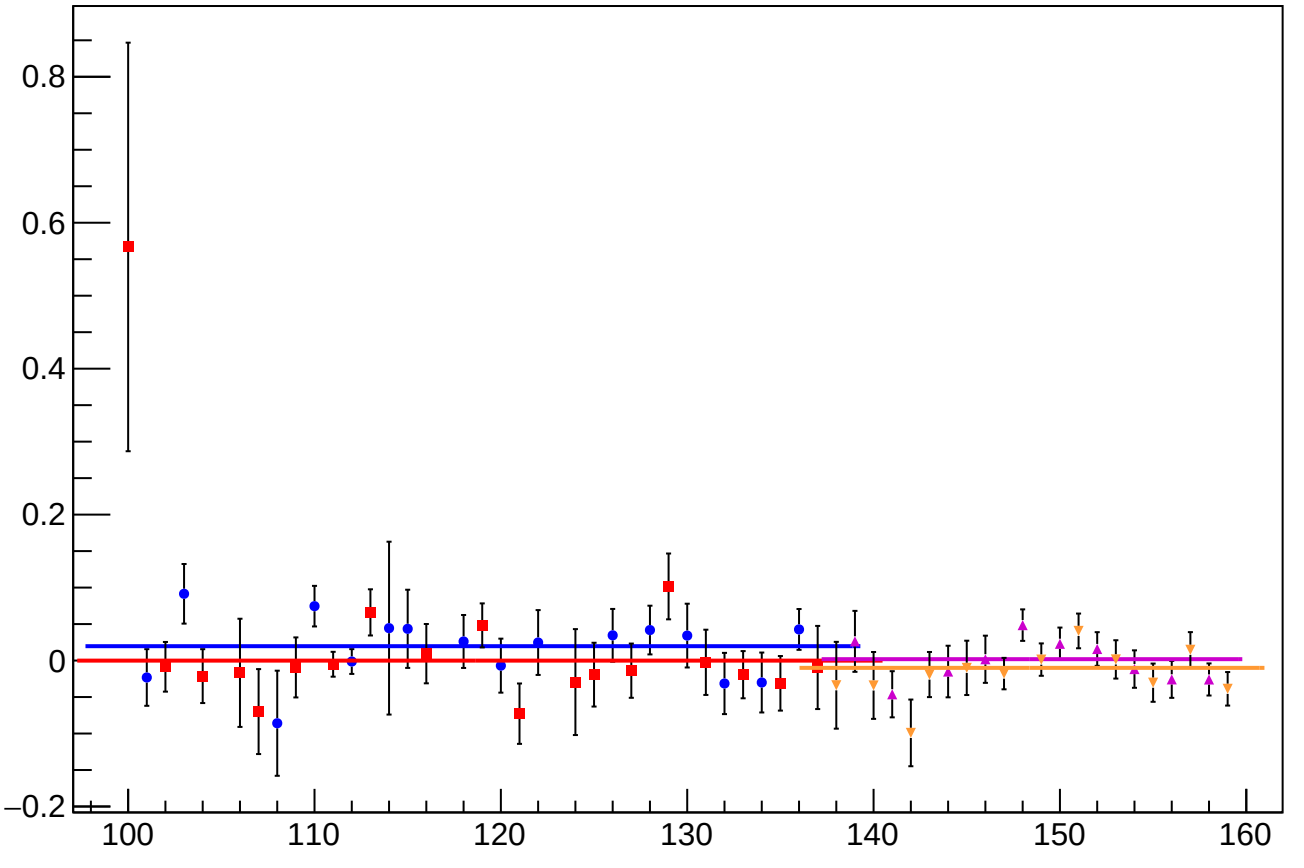
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: 0.000+/-0.000 χ^2/NDF:45.9/30

All: 0.000+/-0.000 χ^2/NDF: 73.5/56


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1052211.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1153558.1/9
Left: 0.000+/-0.000 χ²/NDF: 2207019.1/21
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3192341.1/25
Out: 0.000+/-0.000 χ²/NDF:3364603.9/30
All: 0.000+/-0.000 χ²/NDF: 6573536.7/56



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

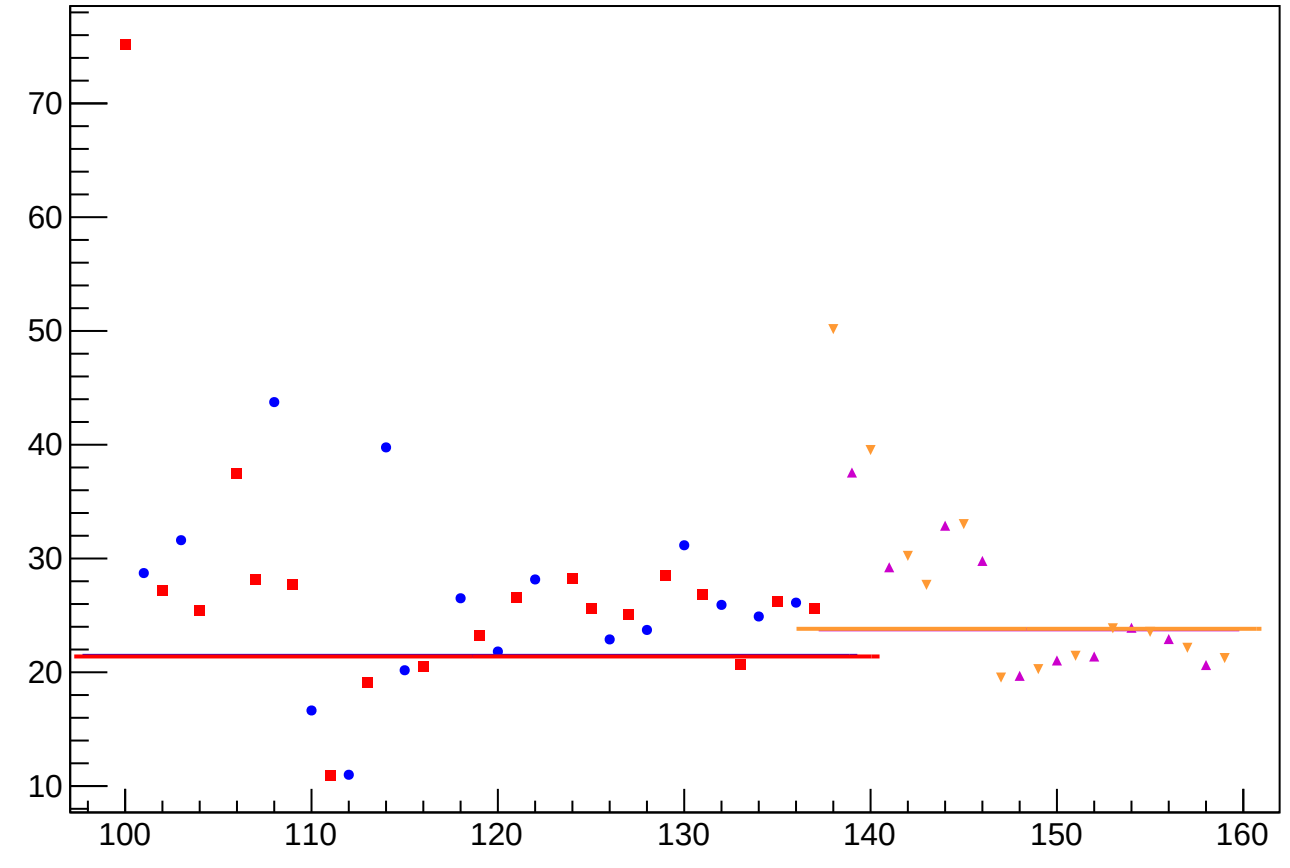
Left: -0.004+/-0.006 χ^2/NDF: 25.6/21

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 70.9/56



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.821+/-0.006 χ^2/NDF:1005014.0/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

Left: 23.799+/-0.004 χ^2/NDF: 1650808.0/21

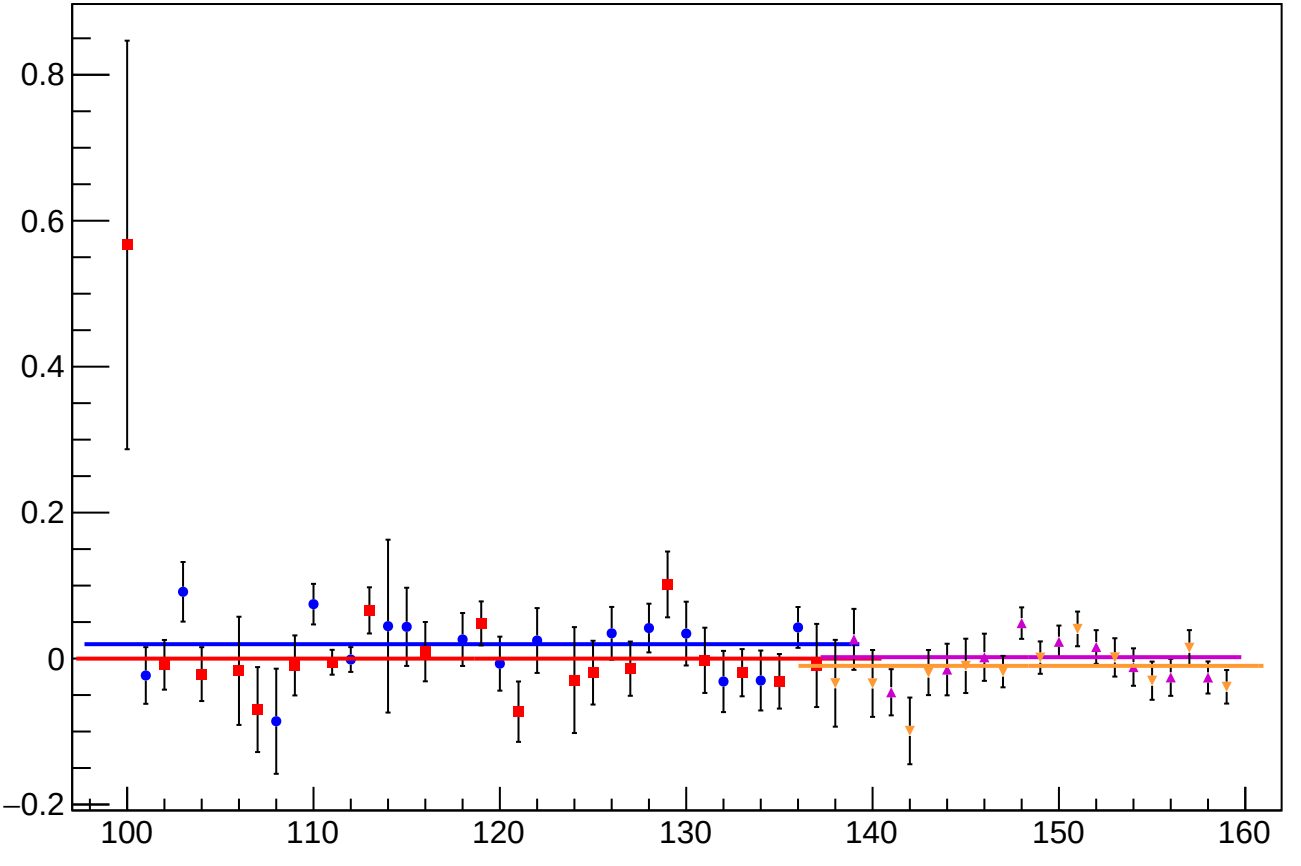
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.662+/-0.004 χ^2/NDF:2261797.8/25

Out: 22.674+/-0.004 χ^2/NDF:2403261.8/30

All: 22.668+/-0.003 χ^2/NDF: 4665063.1/56

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

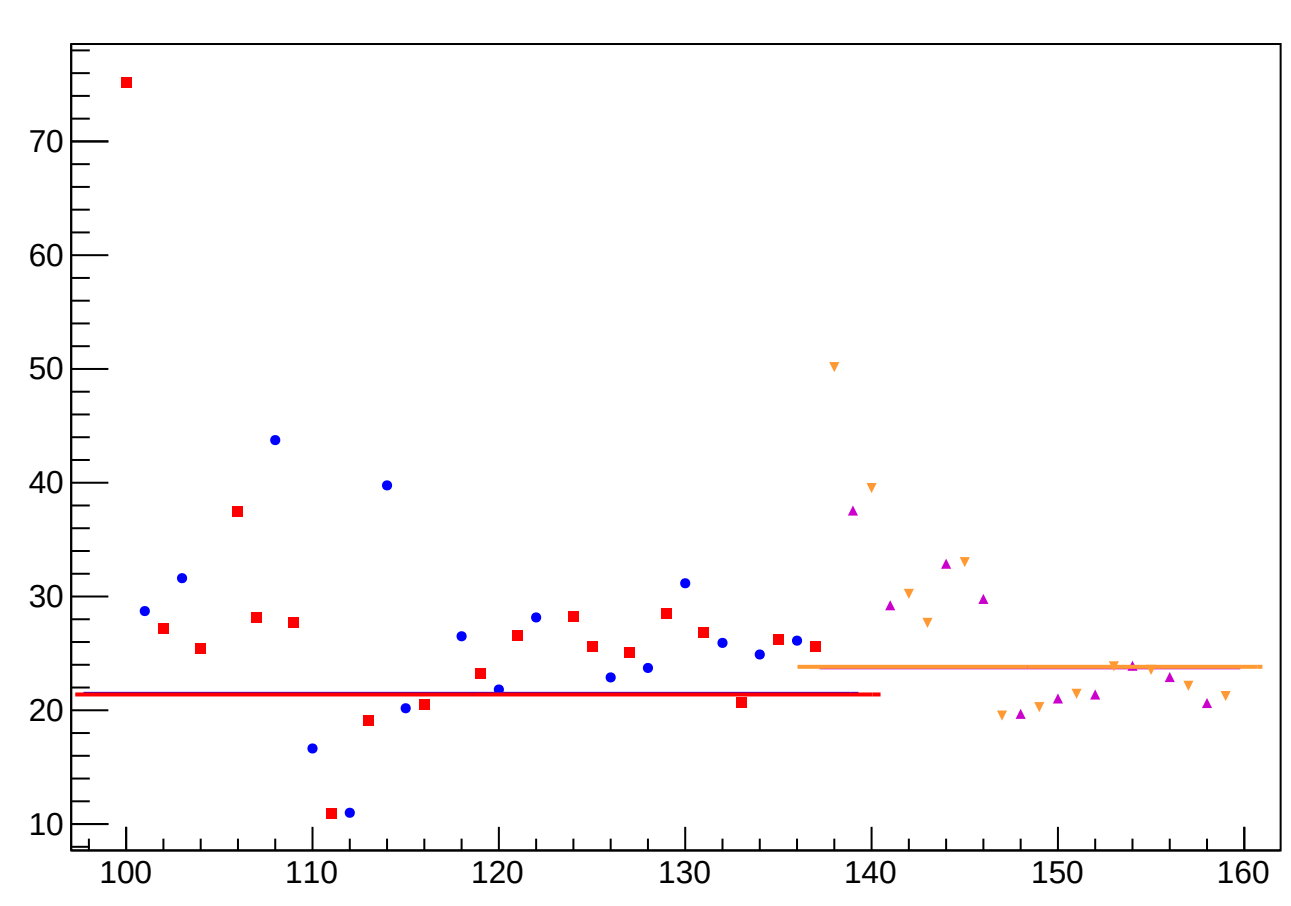
Left: -0.004+/-0.006 χ^2/NDF: 25.6/21

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 70.9/56



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.821+/-0.006 χ^2/NDF:1005014.0/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

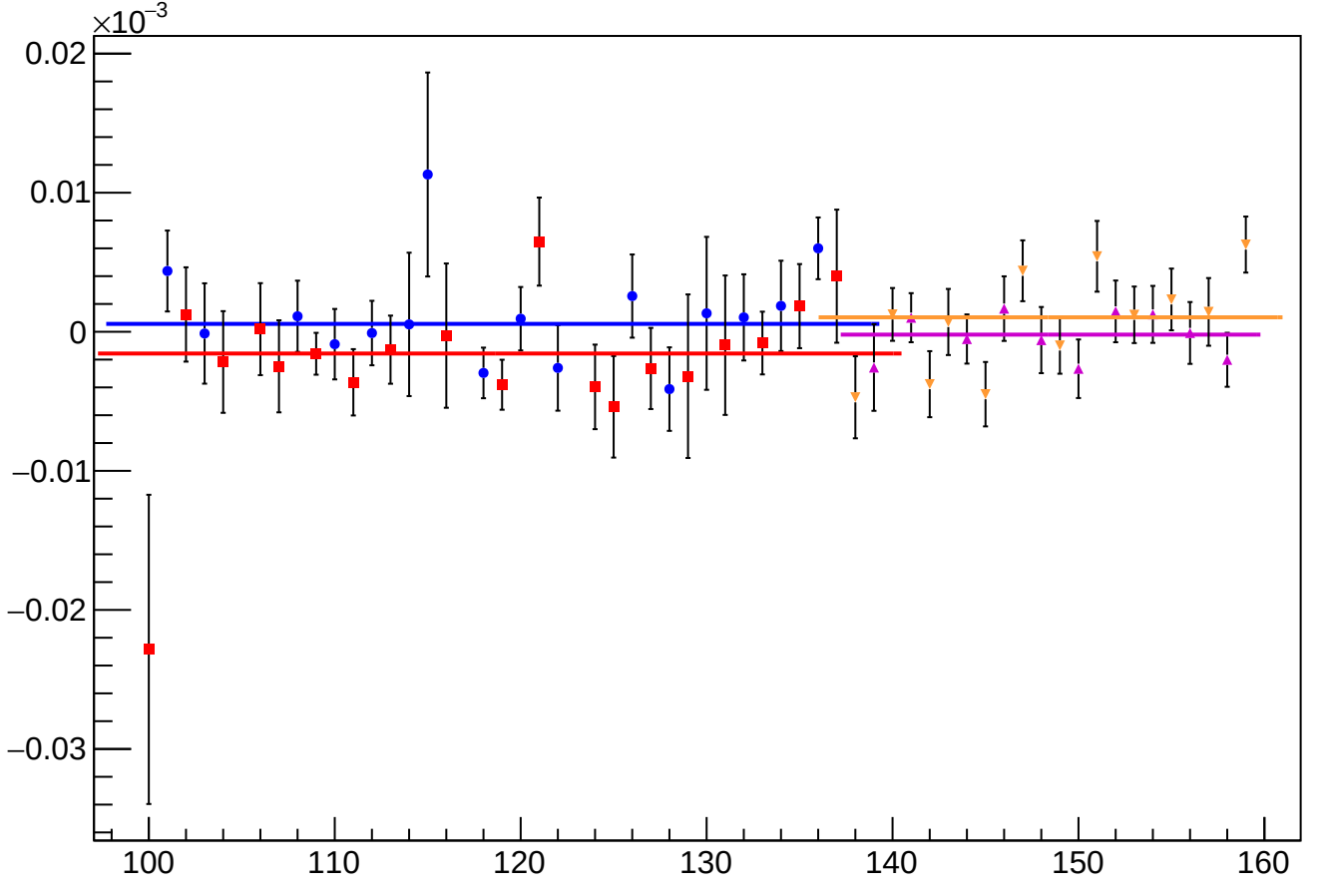
Left: 23.799+/-0.004 χ^2/NDF: 1650808.0/21

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.662+/-0.004 χ^2/NDF:2261797.8/25

Out: 22.674+/-0.004 χ^2/NDF:2403261.8/30

All: 22.668+/-0.003 χ^2/NDF: 4665063.1/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/9

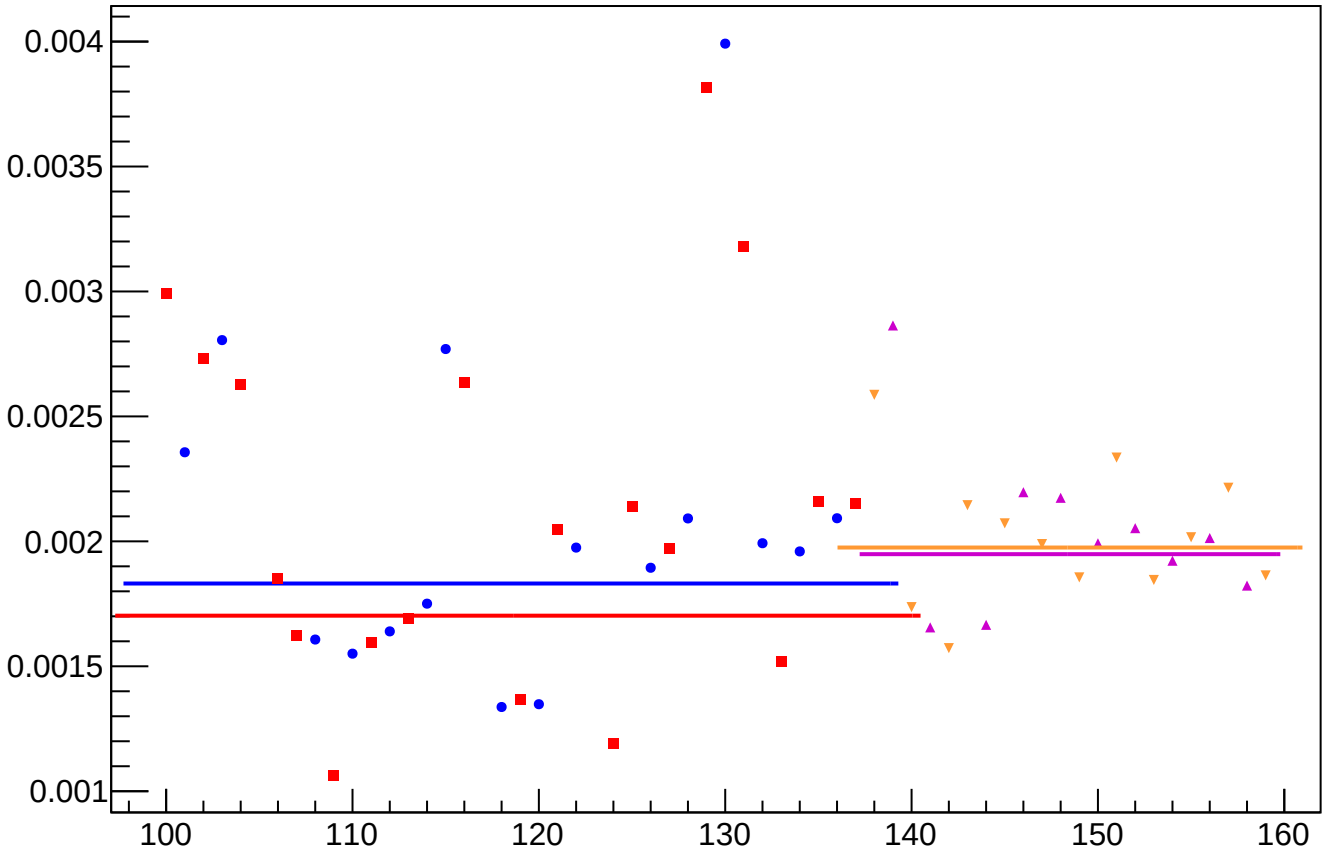
Left: 0.000+/-0.000 χ^2/NDF: 33.9/21

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:24.0/25

Out: -0.000+/-0.000 χ^2/NDF:53.3/30

All: -0.000+/-0.000 χ^2/NDF: 77.6/56



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:269908.3/11

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:335527.0/9

Left: 0.002+/-0.000 χ^2/NDF: 607069.6/21

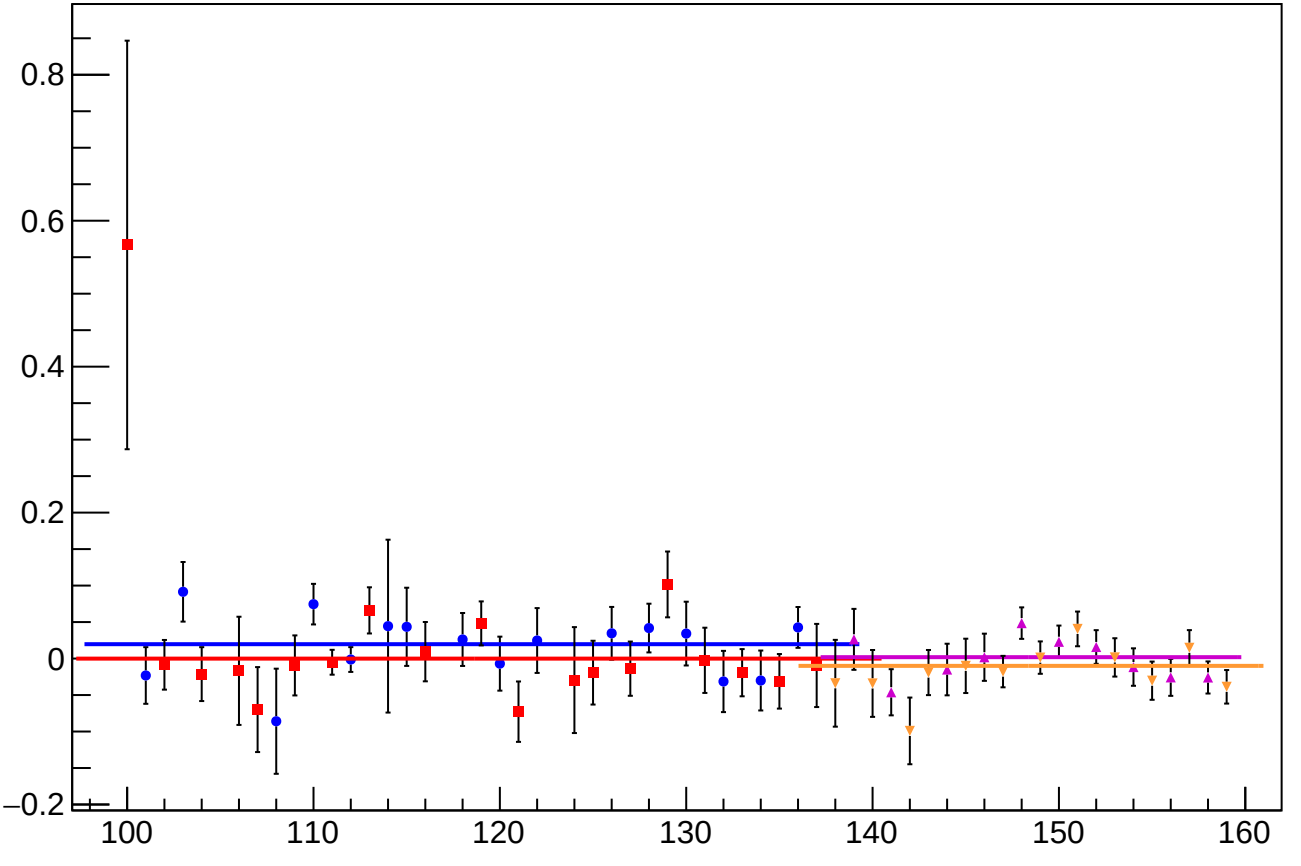
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1265119.7/25

Out: 0.002+/-0.000 χ^2/NDF:1922753.7/30

All: 0.002+/-0.000 χ^2/NDF: 3199732.3/56

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

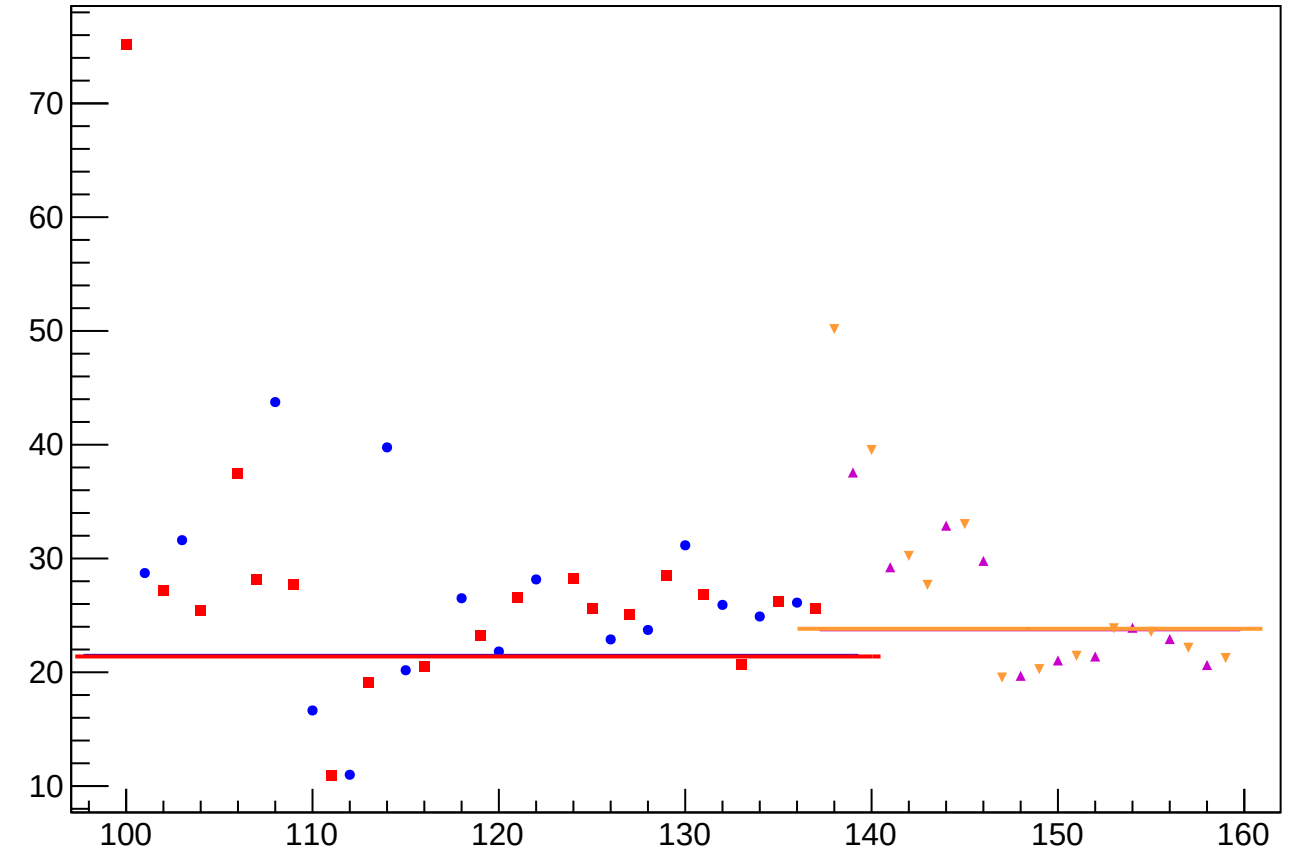
Left: -0.004+/-0.006 χ^2/NDF: 25.6/21

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 70.9/56



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.822+/-0.006 χ^2/NDF:1005015.2/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

Left: 23.799+/-0.004 χ^2/NDF: 1650811.6/21

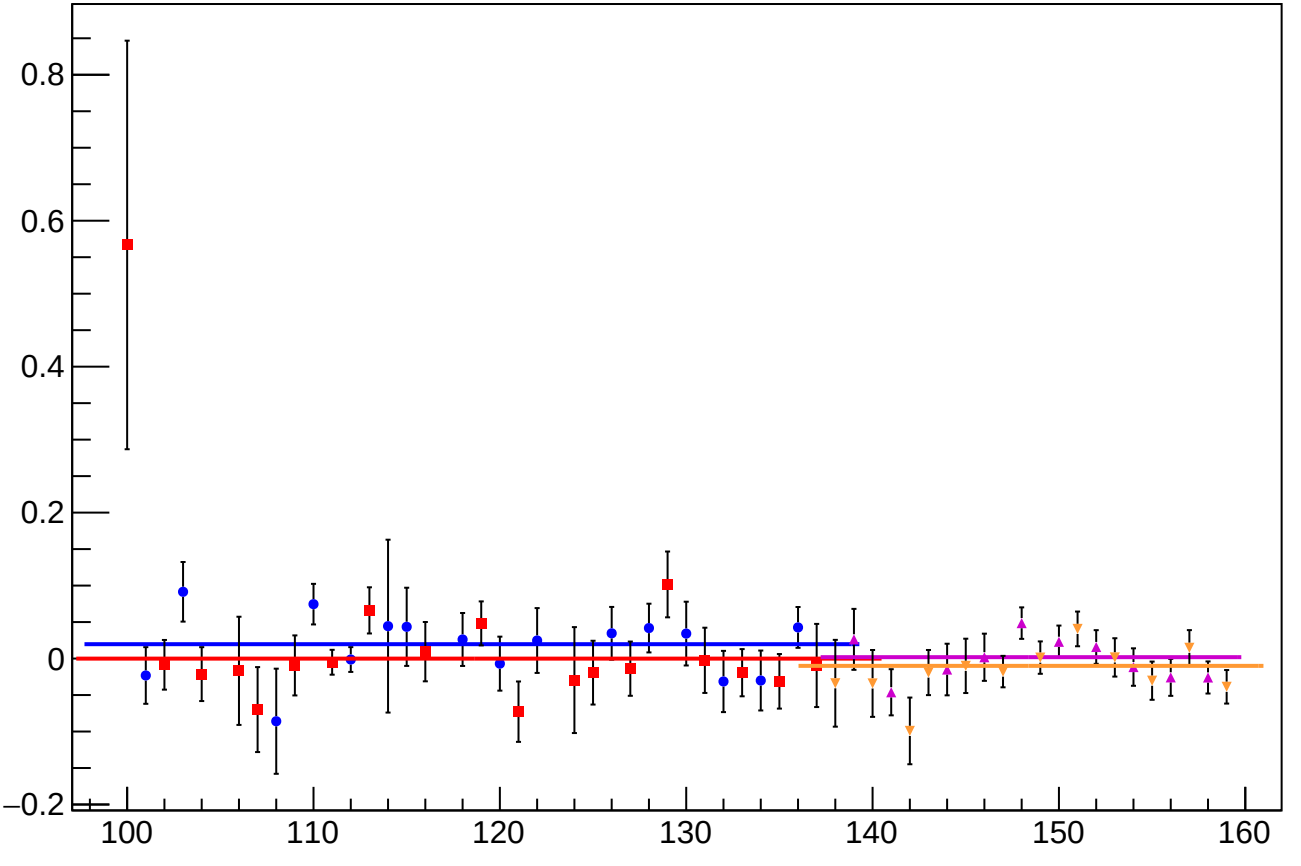
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.662+/-0.004 χ^2/NDF:2262001.8/25

Out: 22.673+/-0.004 χ^2/NDF:2403444.1/30

All: 22.668+/-0.003 χ^2/NDF: 4665449.5/56

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: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

Left: -0.004+/-0.006 χ^2/NDF: 25.6/21

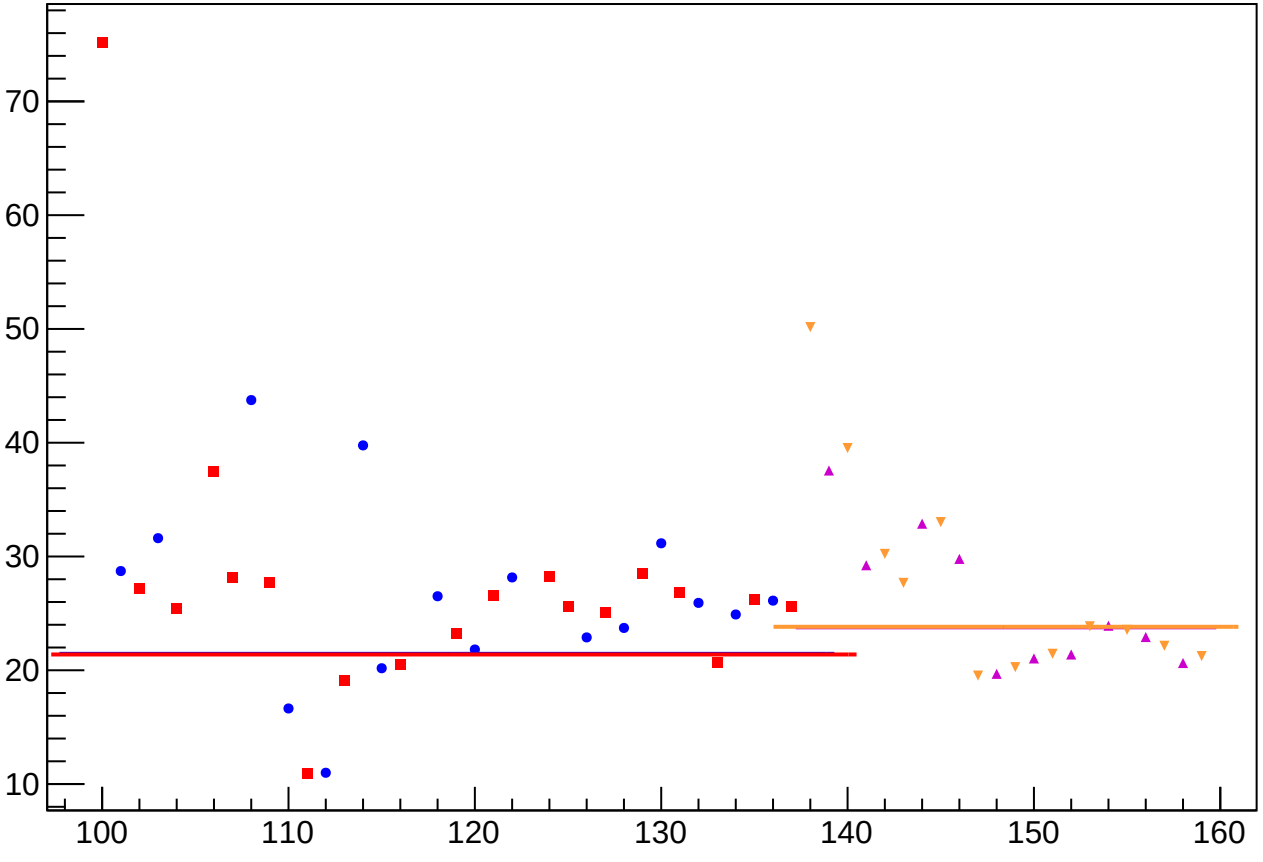
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 70.9/56

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.822+/-0.006 χ^2/NDF:1005015.2/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

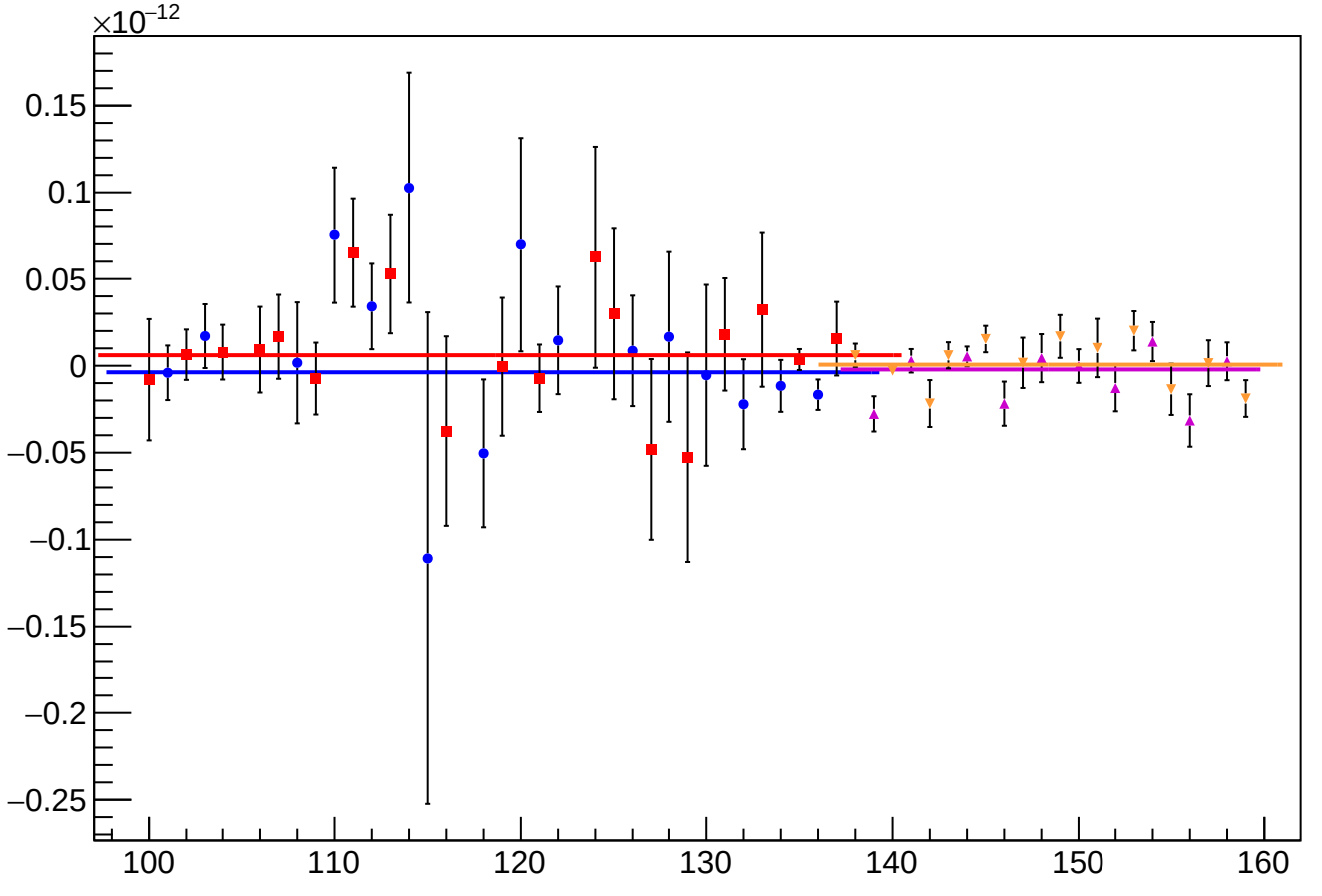
Left: 23.799+/-0.004 χ^2/NDF: 1650811.6/21

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.662+/-0.004 χ^2/NDF:2262001.8/25

Out: 22.673+/-0.004 χ^2/NDF:2403444.1/30

All: 22.668+/-0.003 χ^2/NDF: 4665449.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/9

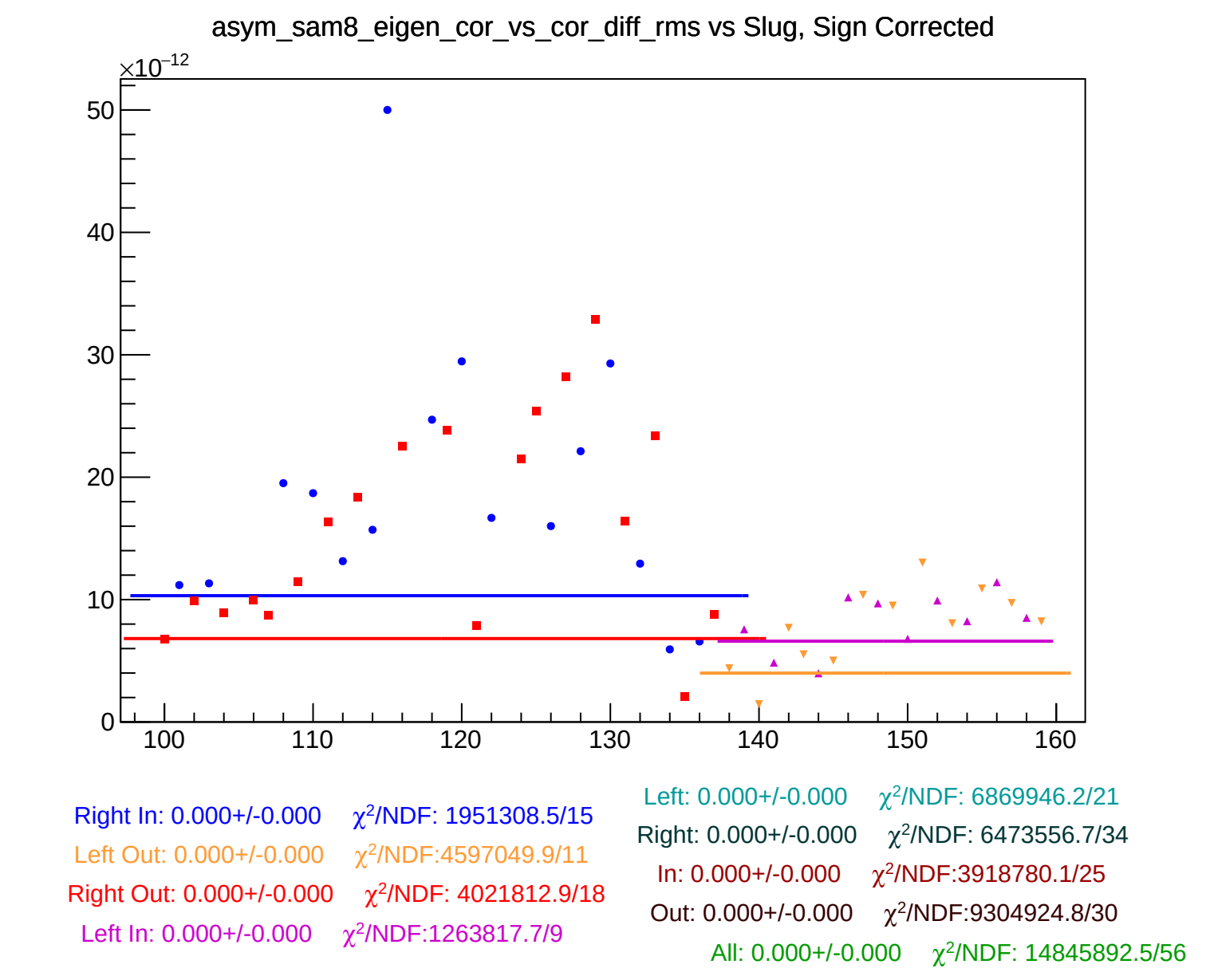
Left: -0.000+/-0.000 χ^2/NDF: 36.9/21

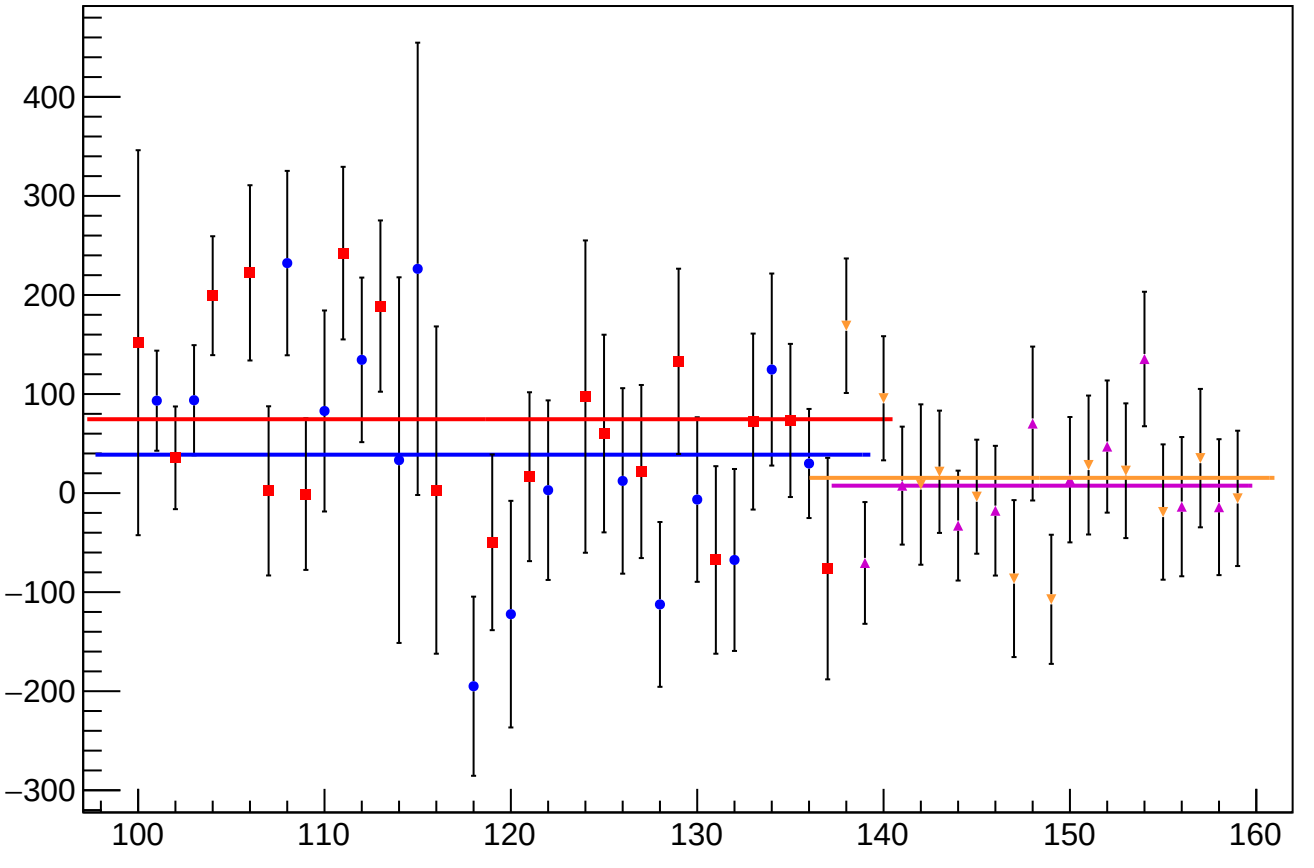
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:35.2/25

Out: 0.000+/-0.000 χ^2/NDF:31.0/30

All: 0.000+/-0.000 χ^2/NDF: 67.8/56


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
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4597049.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1263817.7/9
Left: 0.000+/-0.000 χ²/NDF: 6869946.2/21
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3918780.1/25
Out: 0.000+/-0.000 χ²/NDF:9304924.8/30
All: 0.000+/-0.000 χ²/NDF: 14845892.5/56



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.382+/-19.478 χ^2/NDF:12.5/11

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 7.493+/-20.513 χ^2/NDF:7.0/9

Left: 11.641+/-14.125 χ^2/NDF: 19.7/21

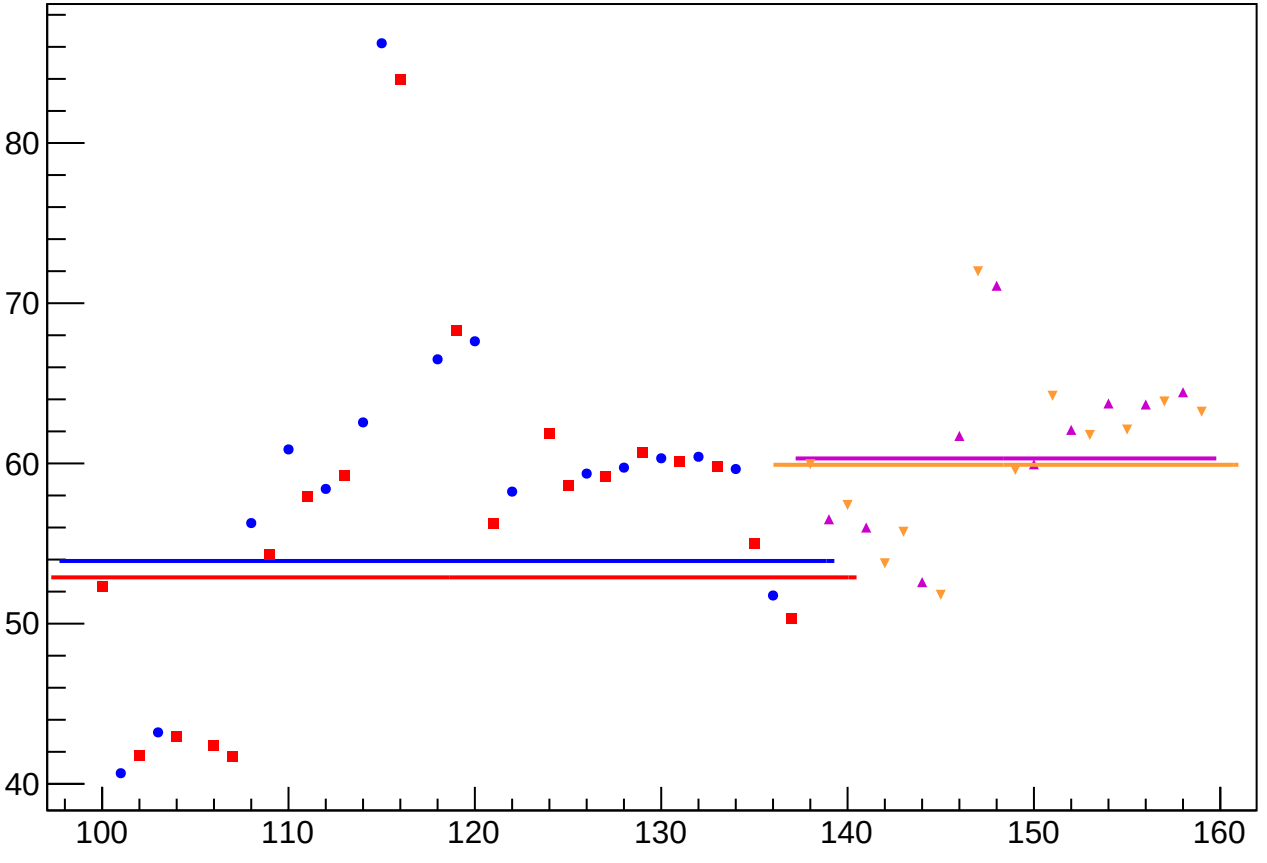
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 23.214+/-14.469 χ^2/NDF:31.5/25

Out: 44.492+/-13.886 χ^2/NDF:39.5/30

All: 34.291+/-10.019 χ^2/NDF: 72.2/56

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.915+/-0.014 χ^2/NDF:132394.0/11

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

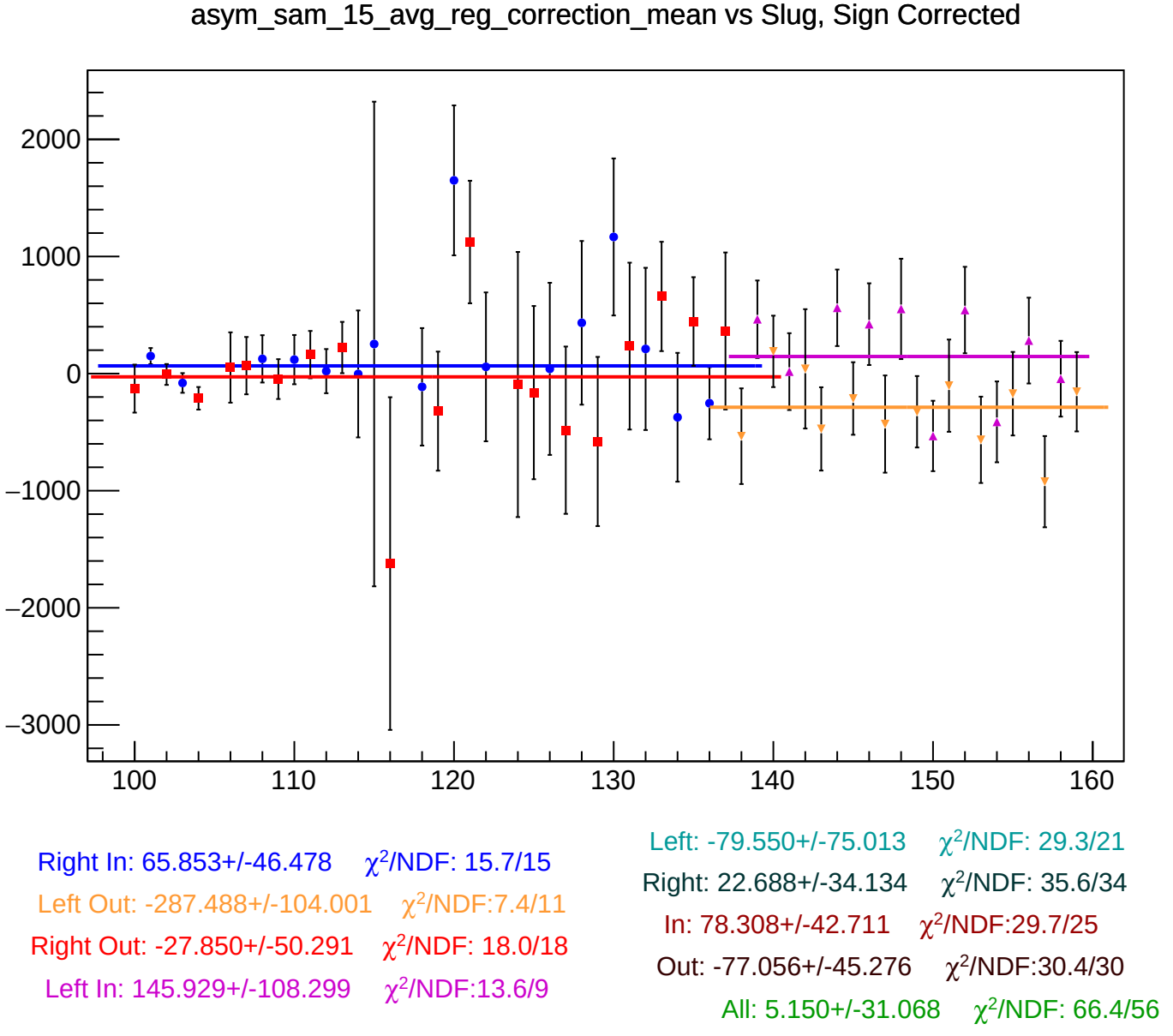
Left: 60.103+/-0.010 χ^2/NDF: 247479.1/21

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

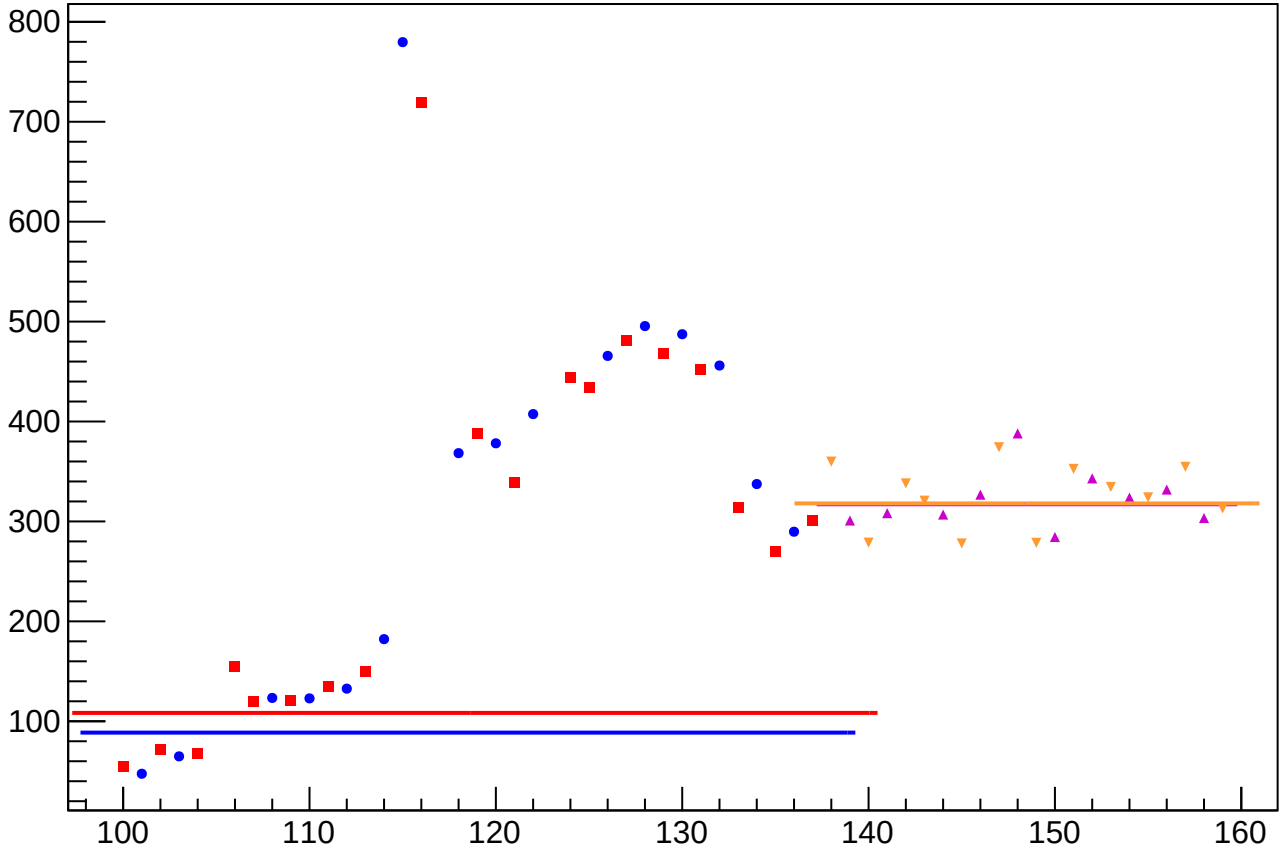
In: 57.096+/-0.010 χ^2/NDF:605744.9/25

Out: 56.460+/-0.010 χ^2/NDF:685600.7/30

All: 56.765+/-0.007 χ^2/NDF: 1293358.4/56


asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: 65.853+/-46.478 χ²/NDF: 15.7/15
Left Out: -287.488+/-104.001 χ²/NDF:7.4/11
Right Out: -27.850+/-50.291 χ²/NDF: 18.0/18
Left In: 145.929+/-108.299 χ²/NDF:13.6/9
Left: -79.550+/-75.013 χ²/NDF: 29.3/21
Right: 22.688+/-34.134 χ²/NDF: 35.6/34
In: 78.308+/-42.711 χ²/NDF:29.7/25
Out: -77.056+/-45.276 χ²/NDF:30.4/30
All: 5.150+/-31.068 χ²/NDF: 66.4/56

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: 318.050+/-0.074 χ^2/NDF:198910.5/11

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 317.171+/-0.077 χ^2/NDF:105727.1/9

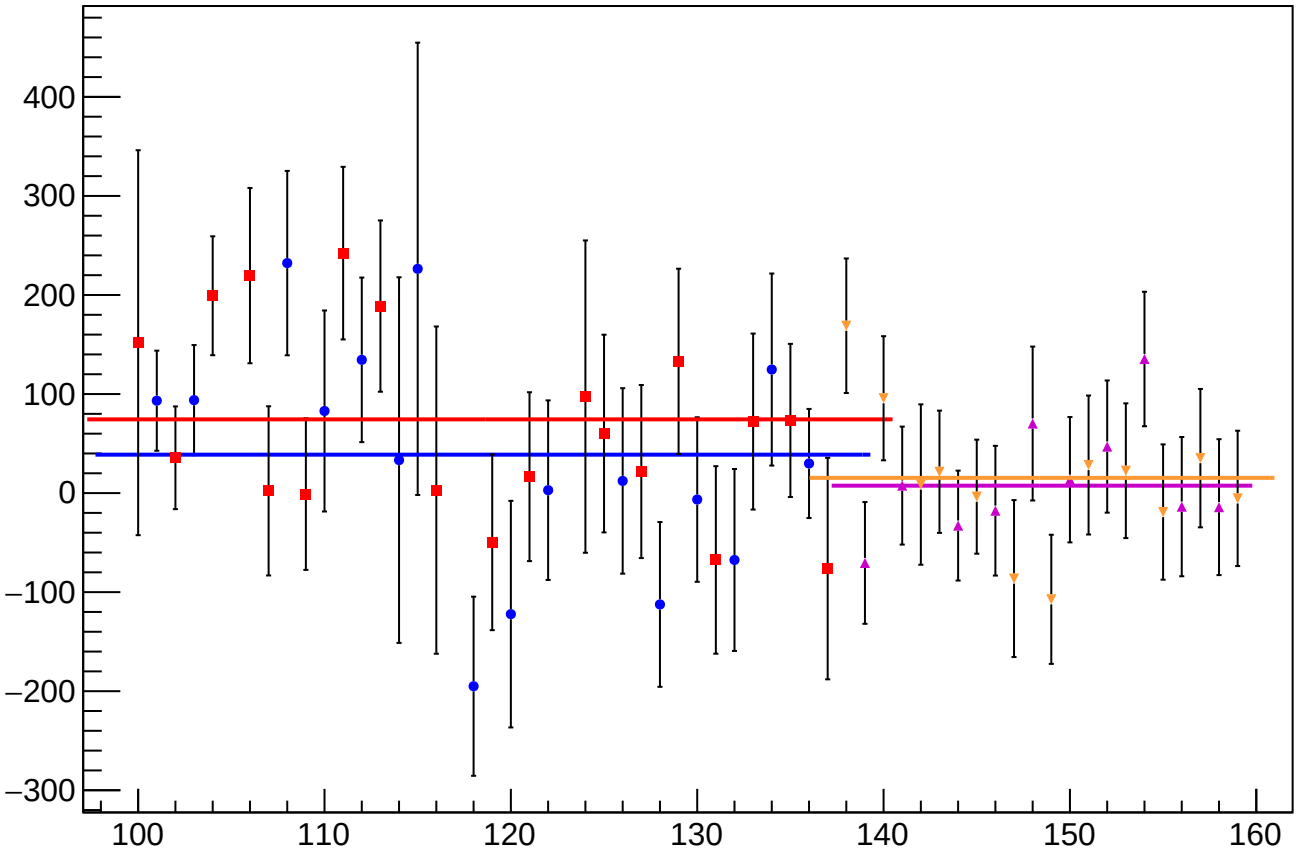
Left: 317.628+/-0.053 χ^2/NDF: 304706.3/21

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 124.200+/-0.030 χ^2/NDF:14273230.0/25

Out: 148.121+/-0.032 χ^2/NDF:12149717.6/30

All: 135.464+/-0.022 χ^2/NDF: 26718339.2/56



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.381+/-19.478 χ^2/NDF:12.5/11

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 7.493+/-20.513 χ^2/NDF:7.0/9

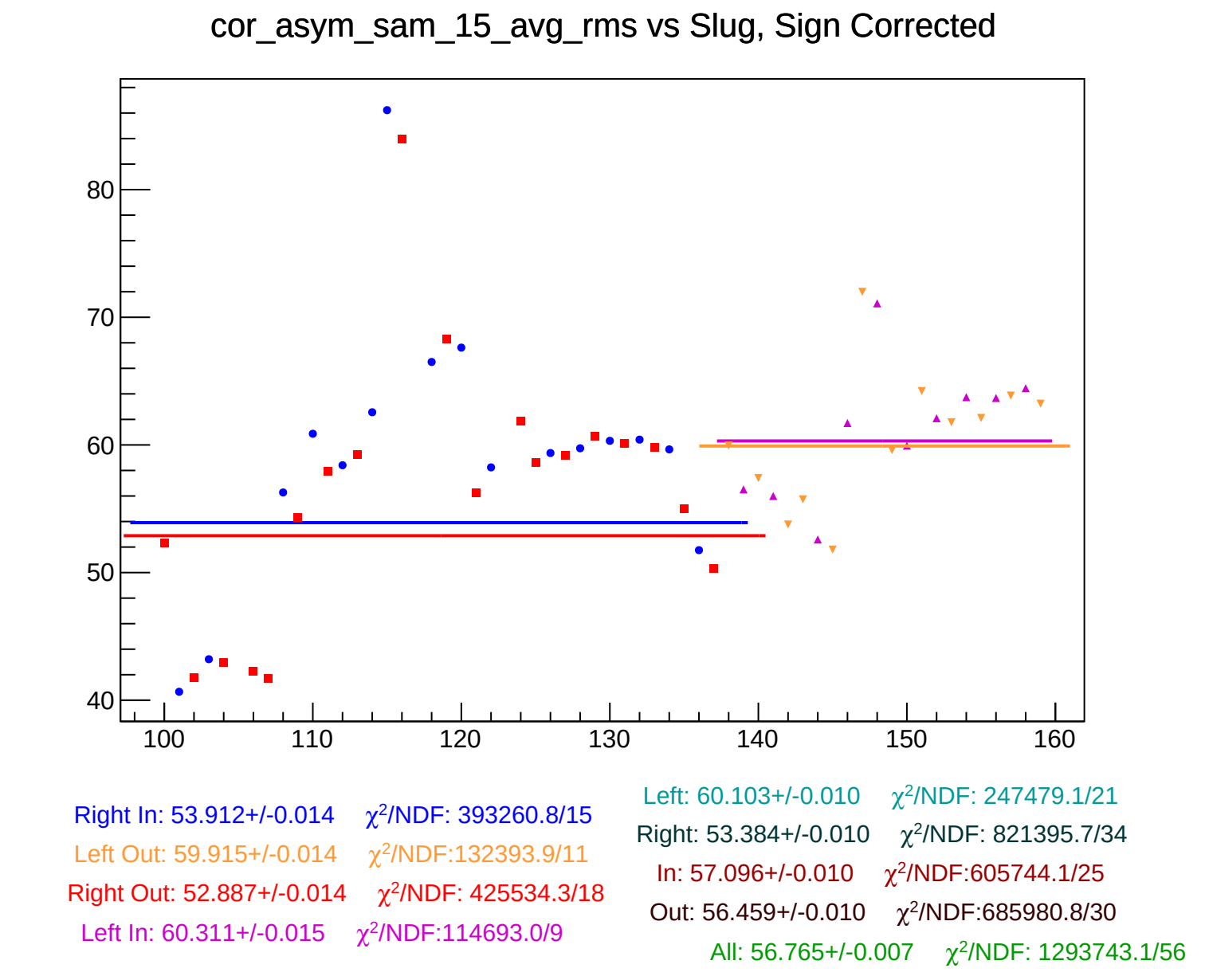
Left: 11.641+/-14.125 χ^2/NDF: 19.7/21

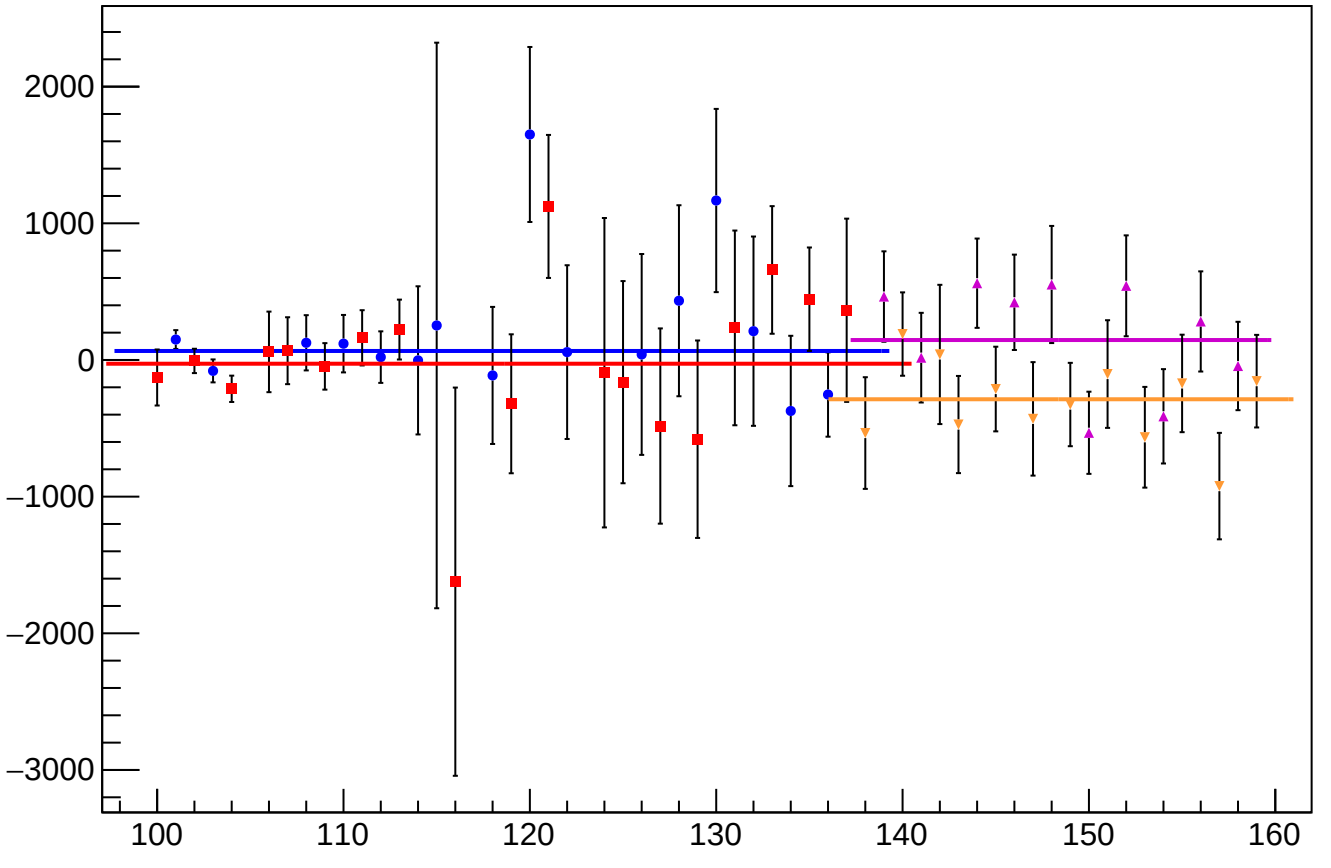
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 23.219+/-14.469 χ^2/NDF:31.5/25

Out: 44.423+/-13.887 χ^2/NDF:39.4/30

All: 34.257+/-10.019 χ^2/NDF: 72.0/56


cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 59.915+/-0.014 χ²/NDF:132393.9/11
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 60.311+/-0.015 χ²/NDF:114693.0/9
Left: 60.103+/-0.010 χ²/NDF: 247479.1/21
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 57.096+/-0.010 χ²/NDF:605744.1/25
Out: 56.459+/-0.010 χ²/NDF:685980.8/30
All: 56.765+/-0.007 χ²/NDF: 1293743.1/56



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -287.489+/-104.001 χ^2/NDF:7.4/11

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 145.927+/-108.298 χ^2/NDF:13.6/9

Left: -79.551+/-75.013 χ^2/NDF: 29.3/21

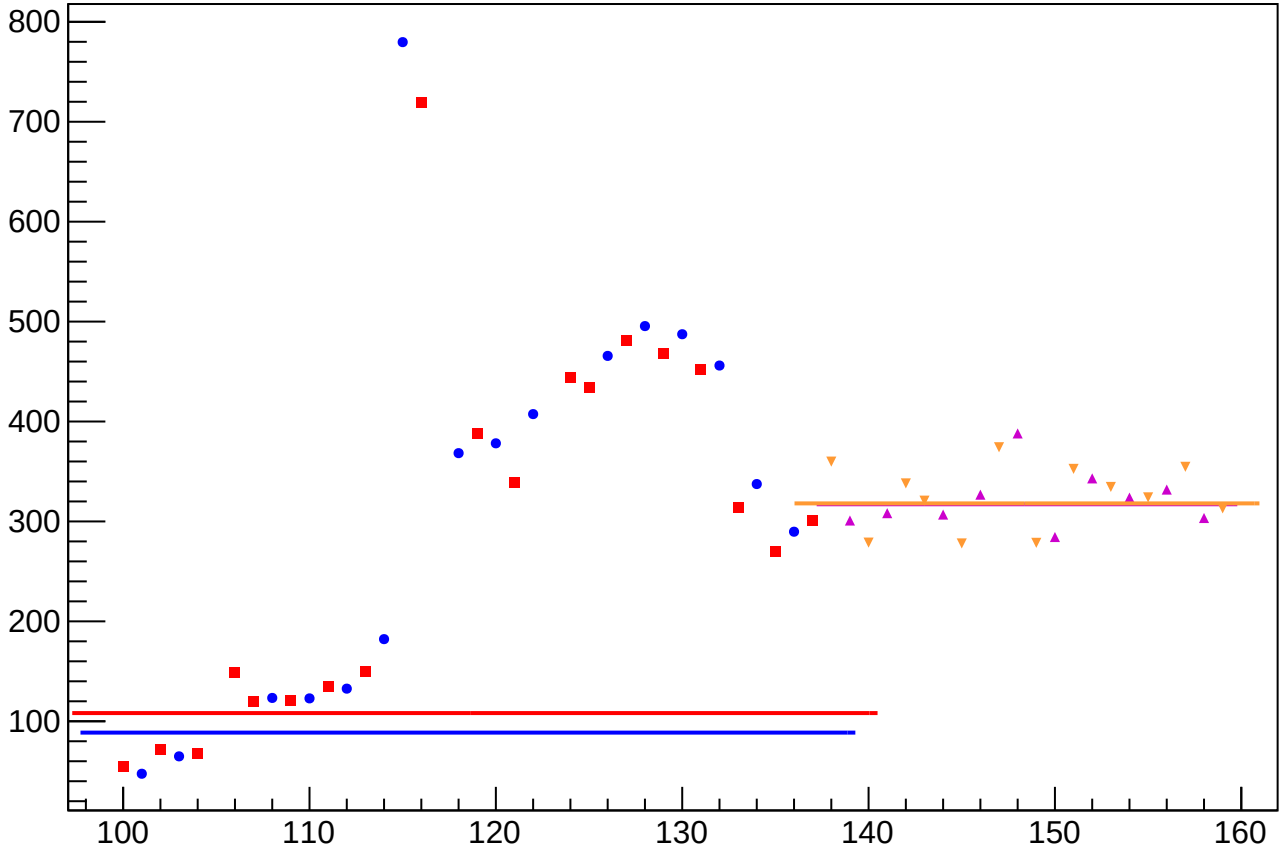
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.310+/-42.710 χ^2/NDF:29.7/25

Out: -76.629+/-45.244 χ^2/NDF:30.5/30

All: 5.301+/-31.058 χ^2/NDF: 66.4/56

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.051+/-0.074 χ^2/NDF:198910.6/11

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

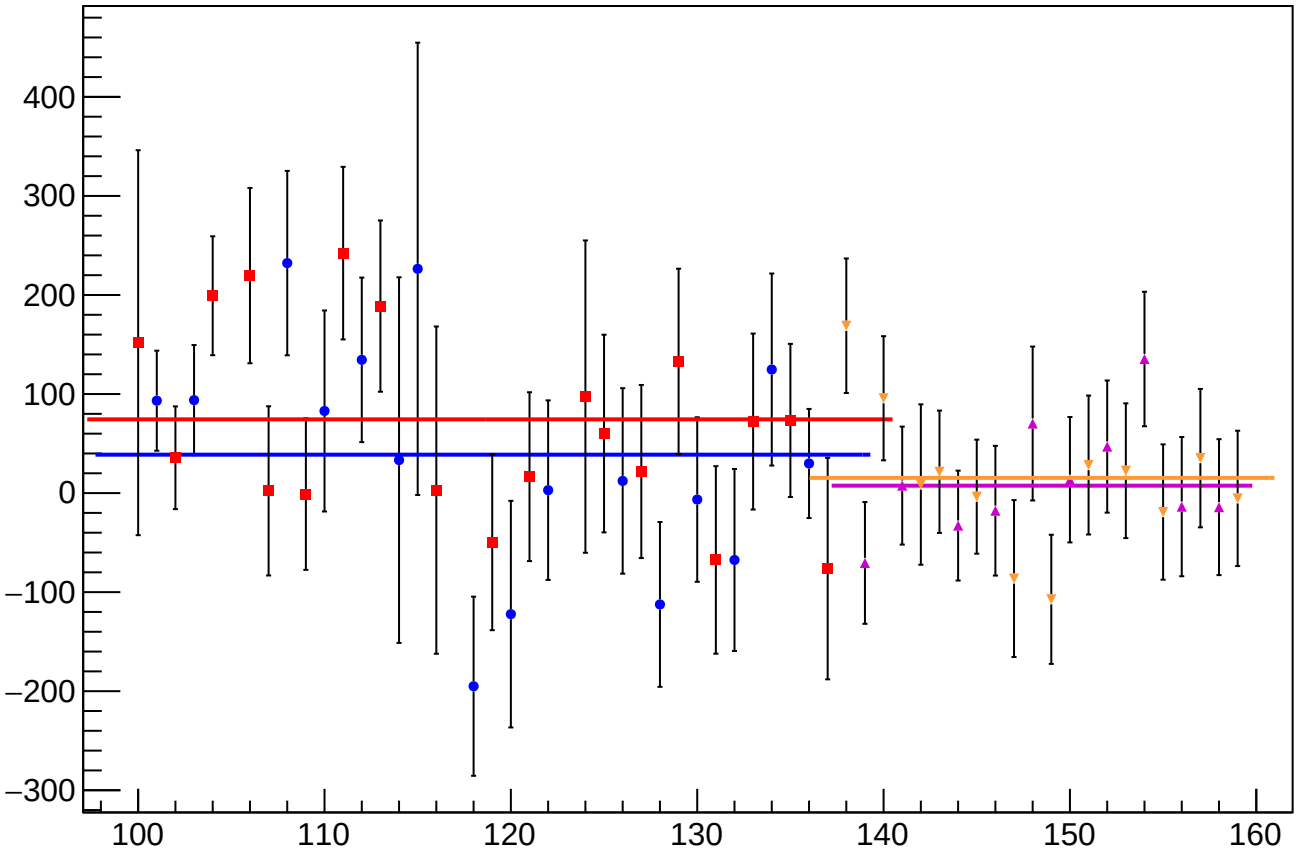
Left: 317.628+/-0.053 χ^2/NDF: 304707.4/21

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 124.197+/-0.030 χ^2/NDF:14273520.5/25

Out: 147.921+/-0.032 χ^2/NDF:12155098.0/30

All: 135.376+/-0.022 χ^2/NDF: 26719404.2/56



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.381+/-19.478 χ^2/NDF:12.5/11

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 7.493+/-20.513 χ^2/NDF:7.0/9

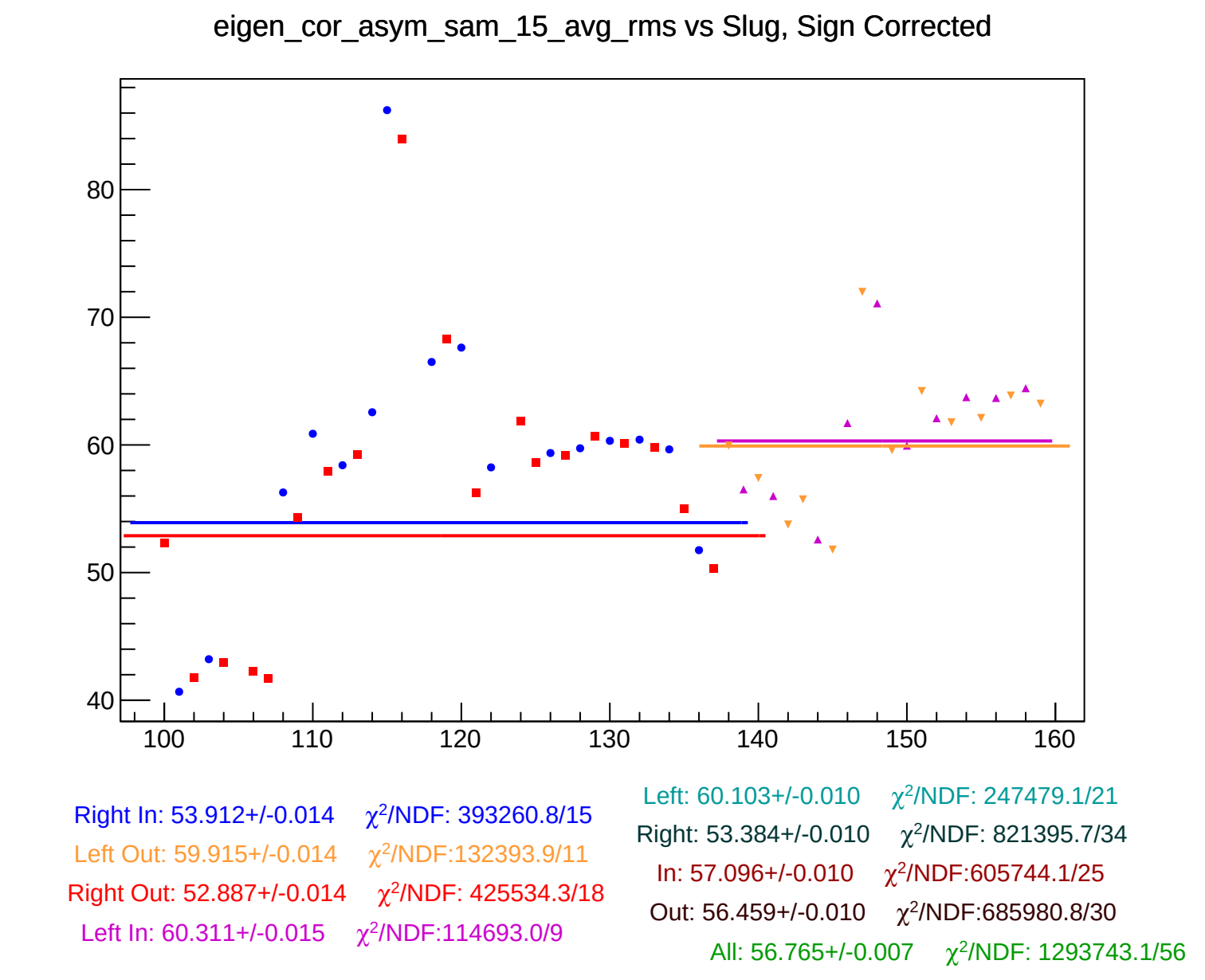
Left: 11.641+/-14.125 χ^2/NDF: 19.7/21

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

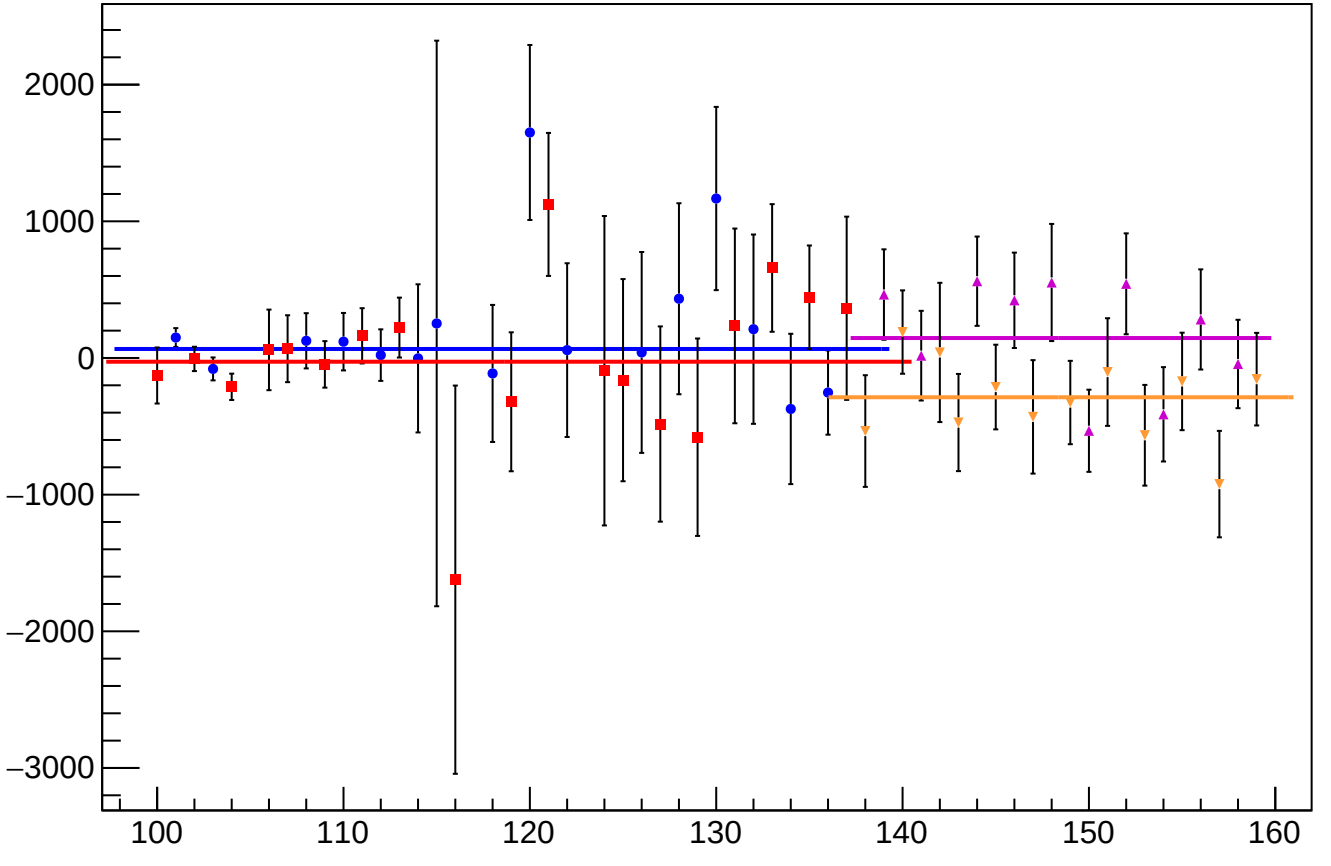
In: 23.219+/-14.469 χ^2/NDF:31.5/25

Out: 44.423+/-13.887 χ^2/NDF:39.4/30

All: 34.257+/-10.019 χ^2/NDF: 72.0/56


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 59.915+/-0.014 χ²/NDF:132393.9/11
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 60.311+/-0.015 χ²/NDF:114693.0/9
Left: 60.103+/-0.010 χ²/NDF: 247479.1/21
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 57.096+/-0.010 χ²/NDF:605744.1/25
Out: 56.459+/-0.010 χ²/NDF:685980.8/30
All: 56.765+/-0.007 χ²/NDF: 1293743.1/56

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -287.489+/-104.001 χ^2/NDF:7.4/11

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 145.927+/-108.298 χ^2/NDF:13.6/9

Left: -79.551+/-75.013 χ^2/NDF: 29.3/21

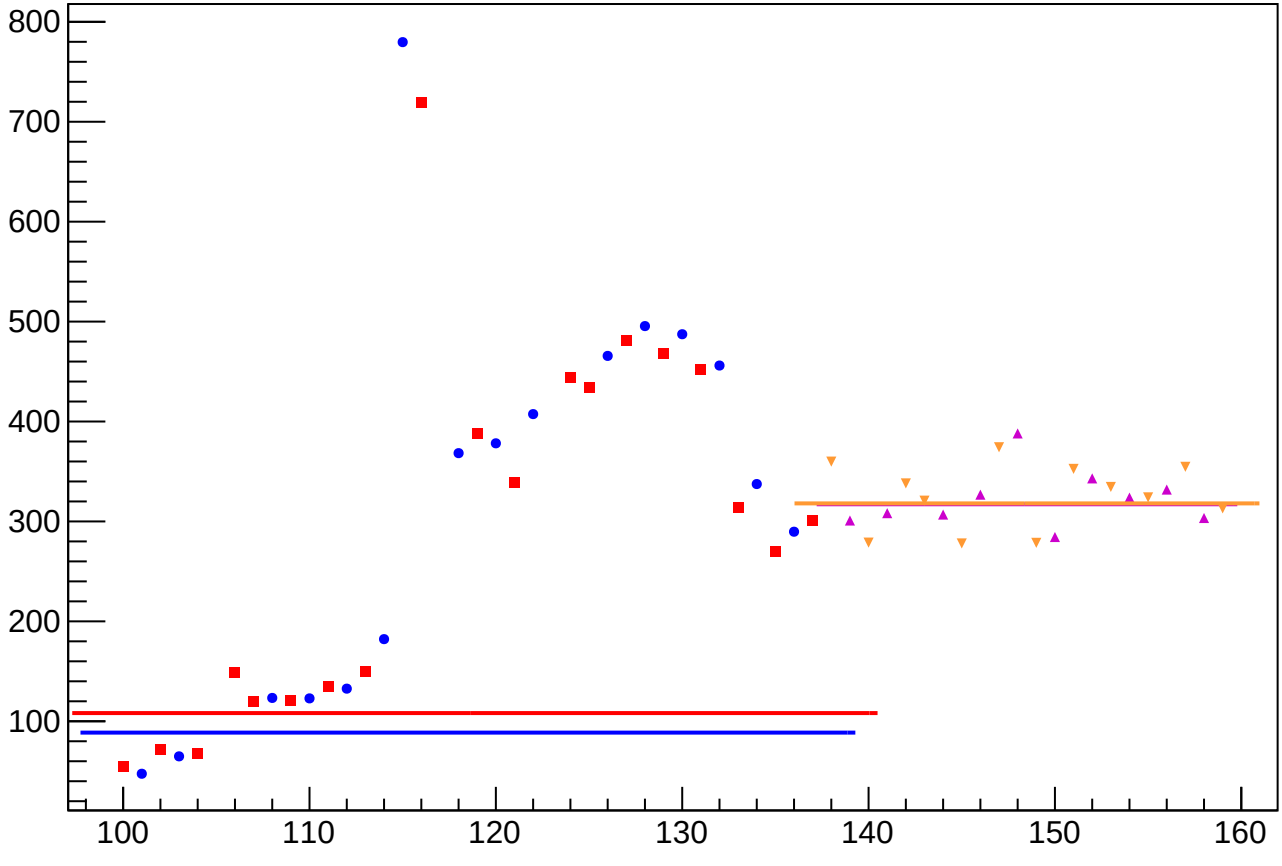
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.310+/-42.710 χ^2/NDF:29.7/25

Out: -76.629+/-45.244 χ^2/NDF:30.5/30

All: 5.301+/-31.058 χ^2/NDF: 66.4/56

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: 318.051+/-0.074 χ^2/NDF:198910.6/11

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

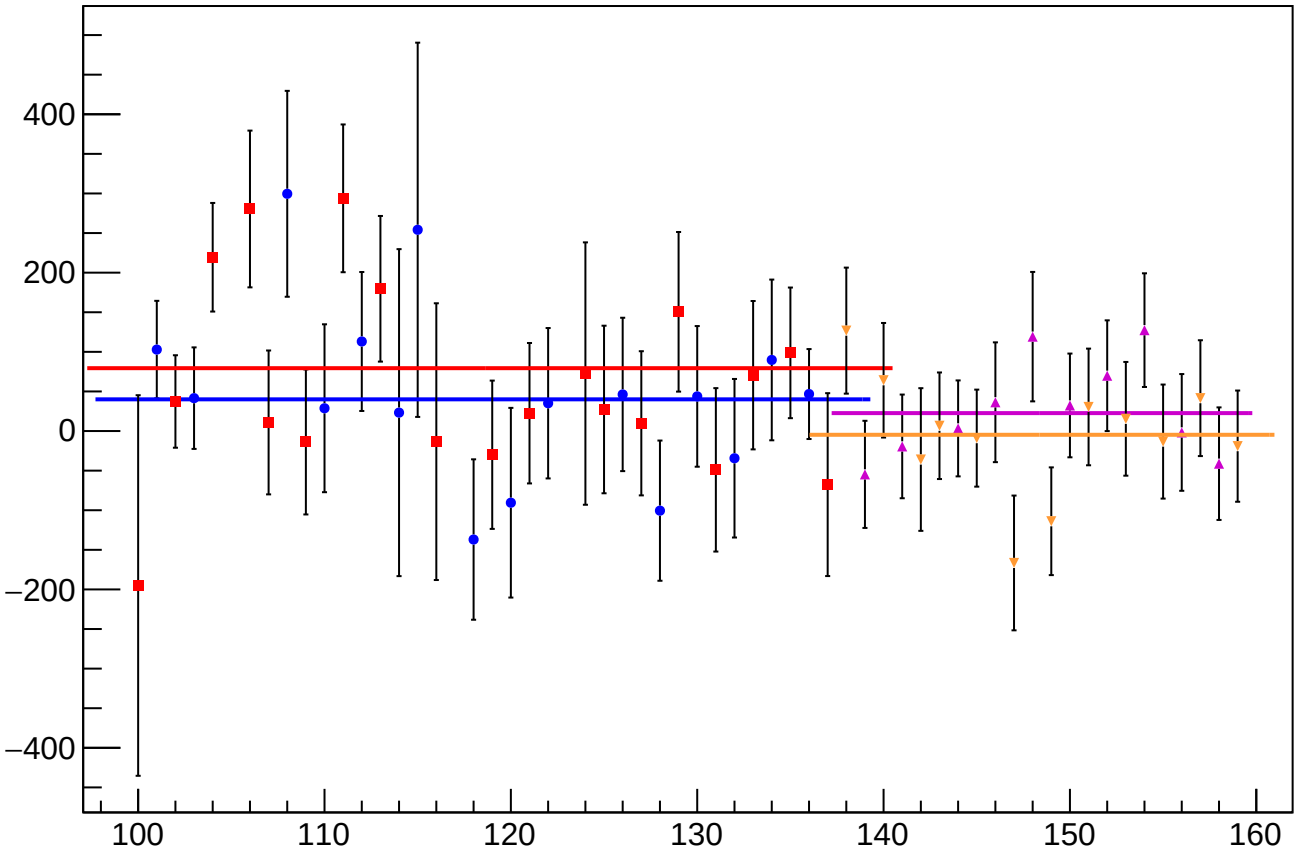
Left: 317.628+/-0.053 χ^2/NDF: 304707.4/21

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 124.197+/-0.030 χ^2/NDF:14273520.5/25

Out: 147.921+/-0.032 χ^2/NDF:12155098.0/30

All: 135.376+/-0.022 χ^2/NDF: 26719404.2/56



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -4.729+/-20.966 χ^2/NDF:10.7/11

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 22.637+/-22.018 χ^2/NDF:6.8/9

Left: 8.285+/-15.184 χ^2/NDF: 18.3/21

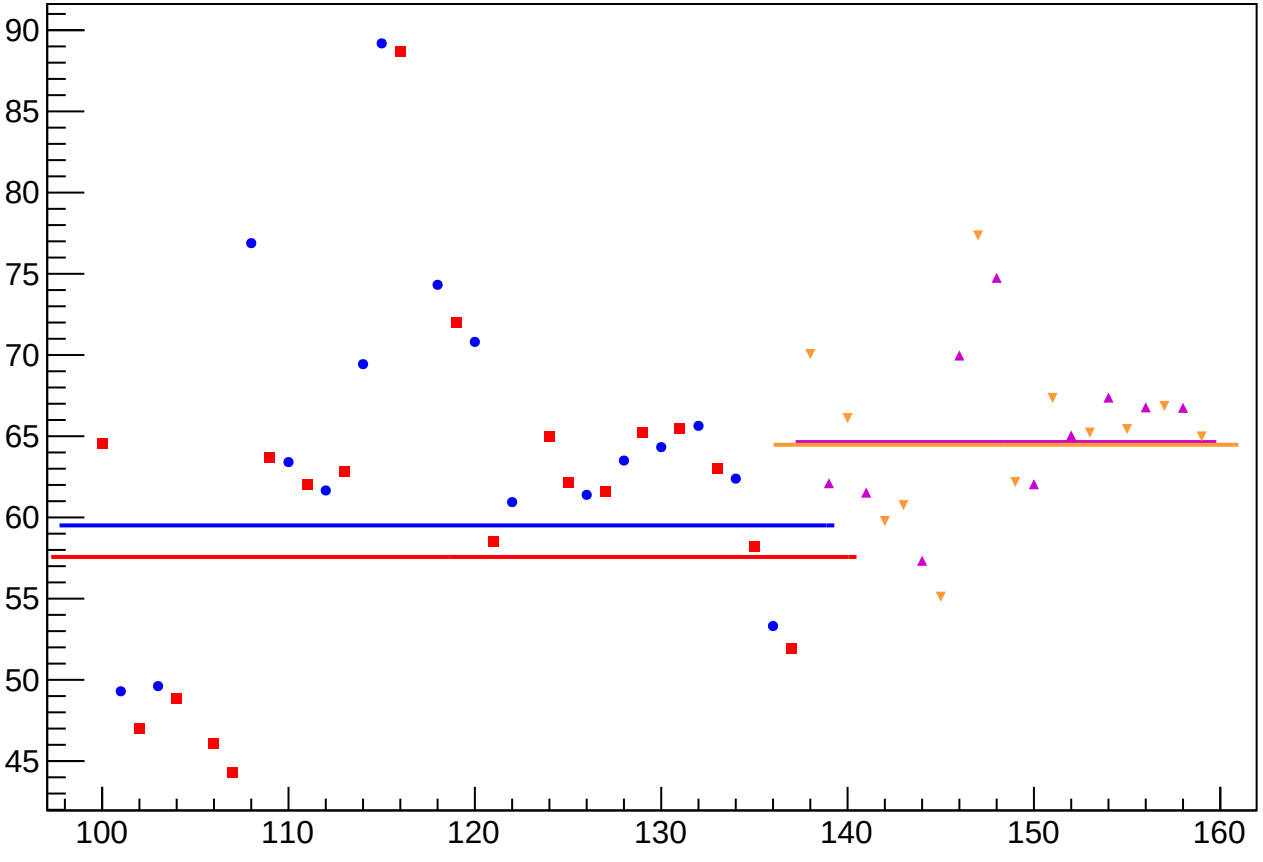
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 31.140+/-15.742 χ^2/NDF:21.2/25

Out: 36.118+/-15.037 χ^2/NDF:43.4/30

All: 33.743+/-10.873 χ^2/NDF: 64.7/56

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.473+/-0.015 χ^2/NDF:123108.5/11

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.640+/-0.016 χ^2/NDF:86549.8/9

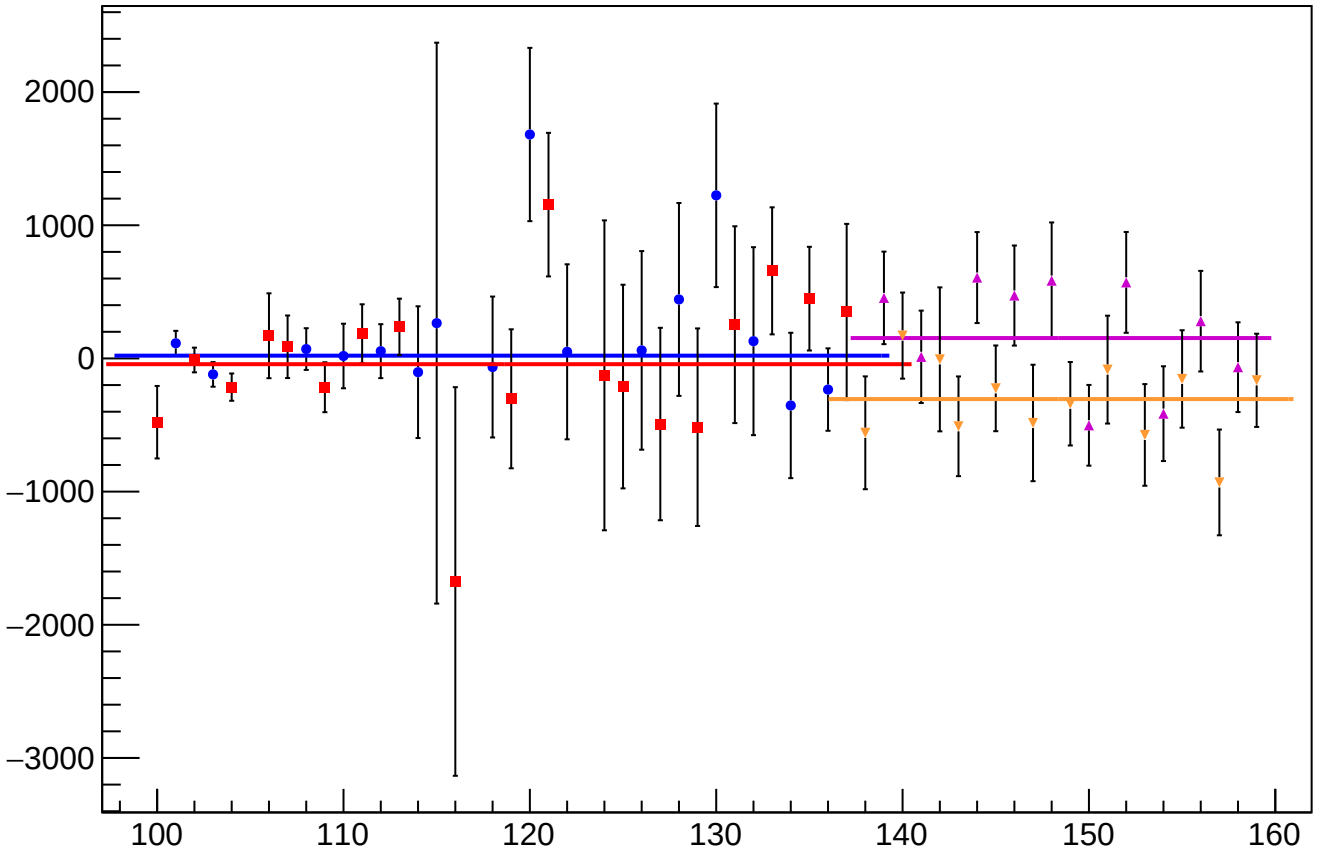
Left: 64.553+/-0.011 χ^2/NDF: 209718.1/21

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.131+/-0.011 χ^2/NDF:422836.6/25

Out: 61.119+/-0.011 χ^2/NDF:575886.3/30

All: 61.602+/-0.008 χ^2/NDF: 1003046.6/56



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -305.165+/-108.016 χ^2/NDF:7.0/11

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 153.021+/-112.474 χ^2/NDF:13.4/9

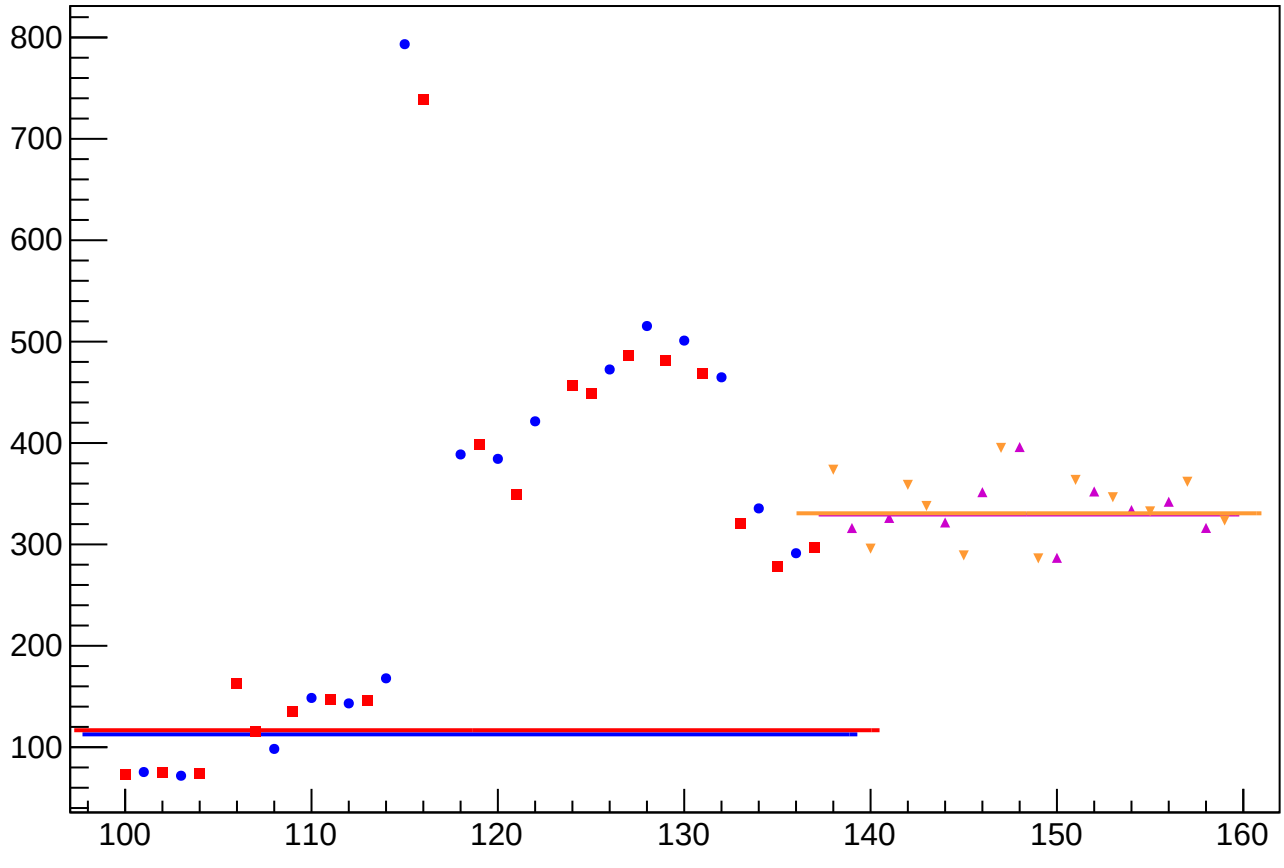
Left: -85.330+/-77.907 χ^2/NDF: 29.0/21

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 45.292+/-48.376 χ^2/NDF:29.1/25

Out: -94.406+/-47.733 χ^2/NDF:33.2/30

All: -25.491+/-33.977 χ^2/NDF: 66.6/56



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 330.678+/-0.076 χ^2/NDF:196906.4/11

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 329.496+/-0.080 χ^2/NDF:109966.3/9

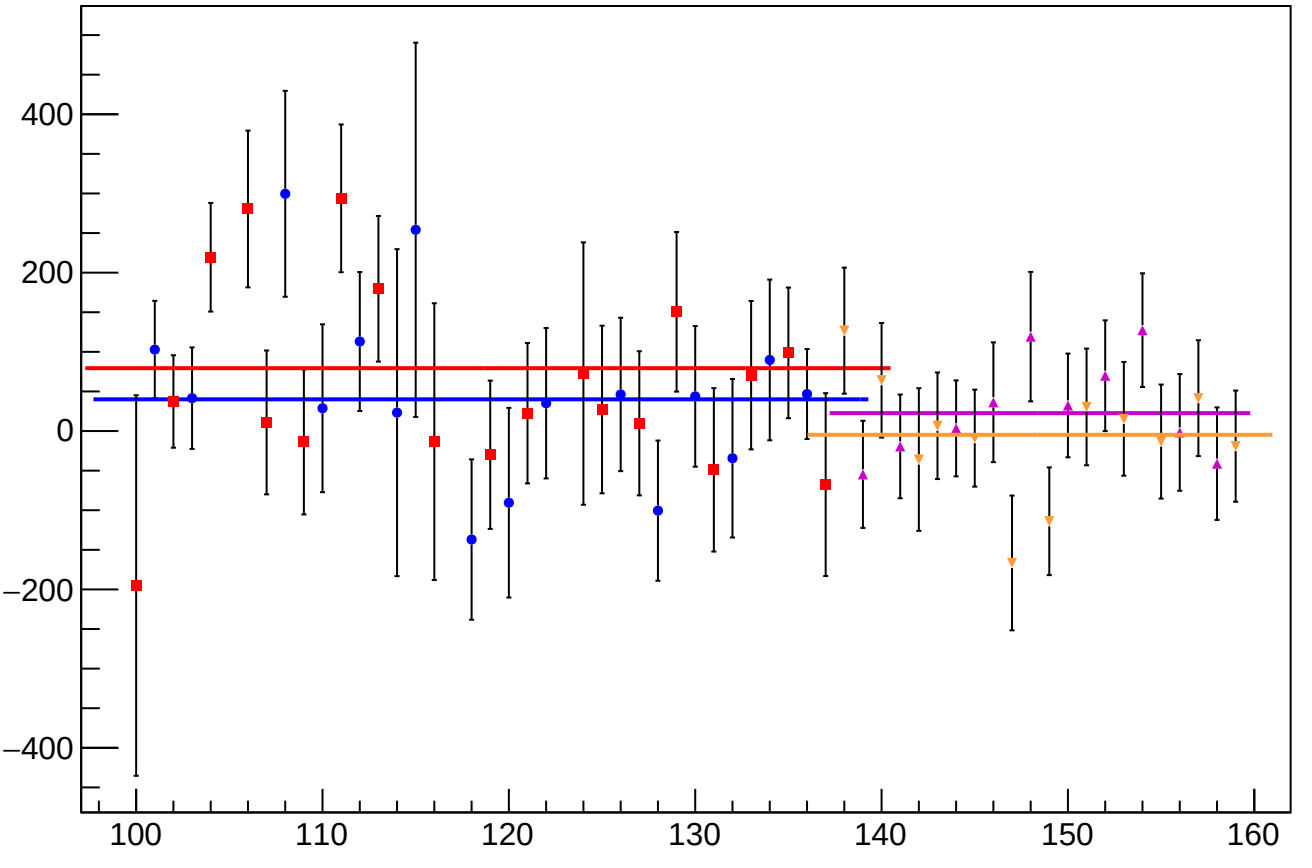
Left: 330.111+/-0.055 χ^2/NDF: 306987.6/21

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 152.779+/-0.034 χ^2/NDF:11767539.3/25

Out: 158.512+/-0.034 χ^2/NDF:11652272.9/30

All: 155.684+/-0.024 χ^2/NDF: 23434042.1/56



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -4.729+/-20.966 χ^2/NDF:10.7/11

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 22.638+/-22.018 χ^2/NDF:6.8/9

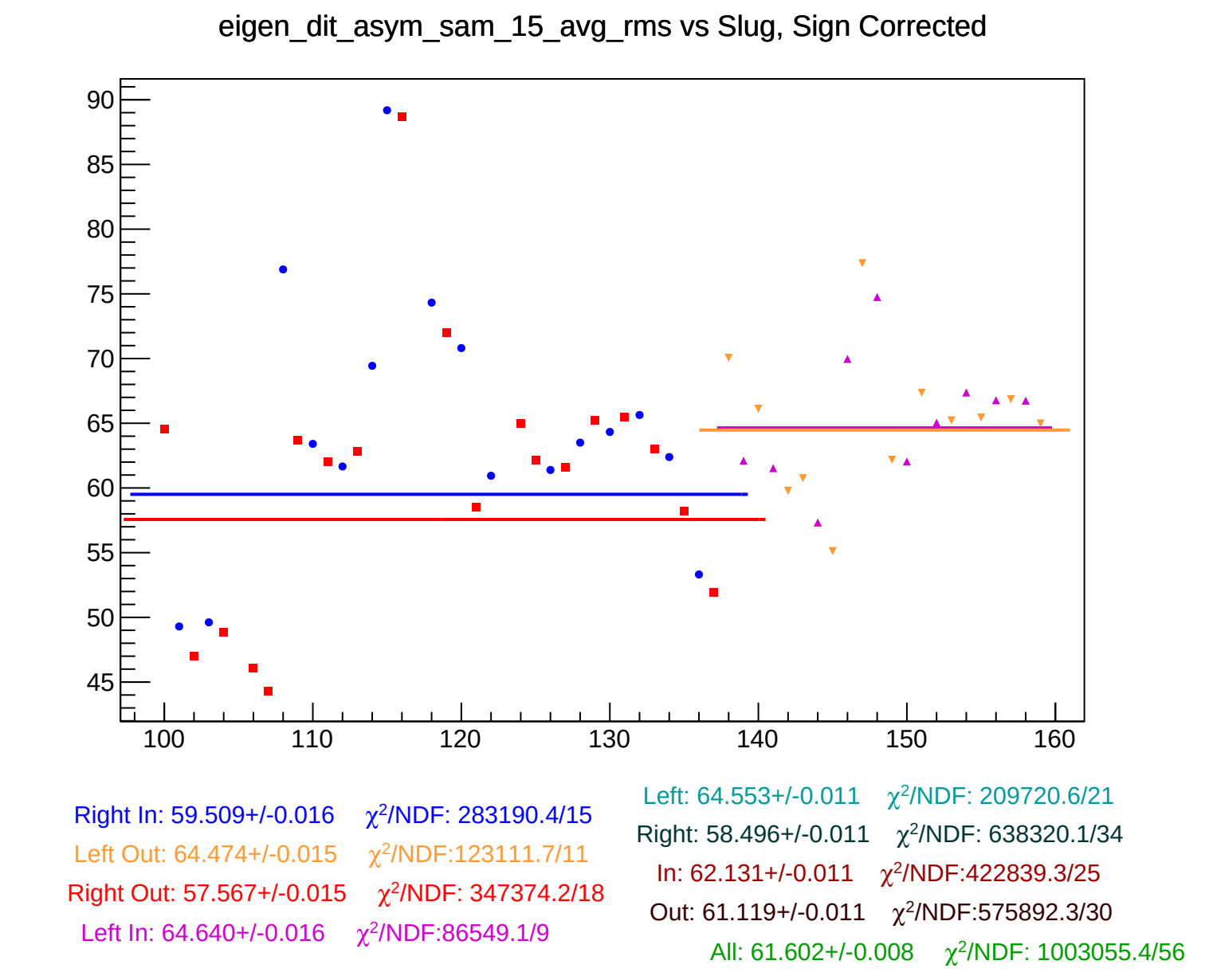
Left: 8.286+/-15.184 χ^2/NDF: 18.3/21

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 31.140+/-15.742 χ^2/NDF:21.2/25

Out: 36.118+/-15.037 χ^2/NDF:43.4/30

All: 33.743+/-10.873 χ^2/NDF: 64.7/56


eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected
90
85
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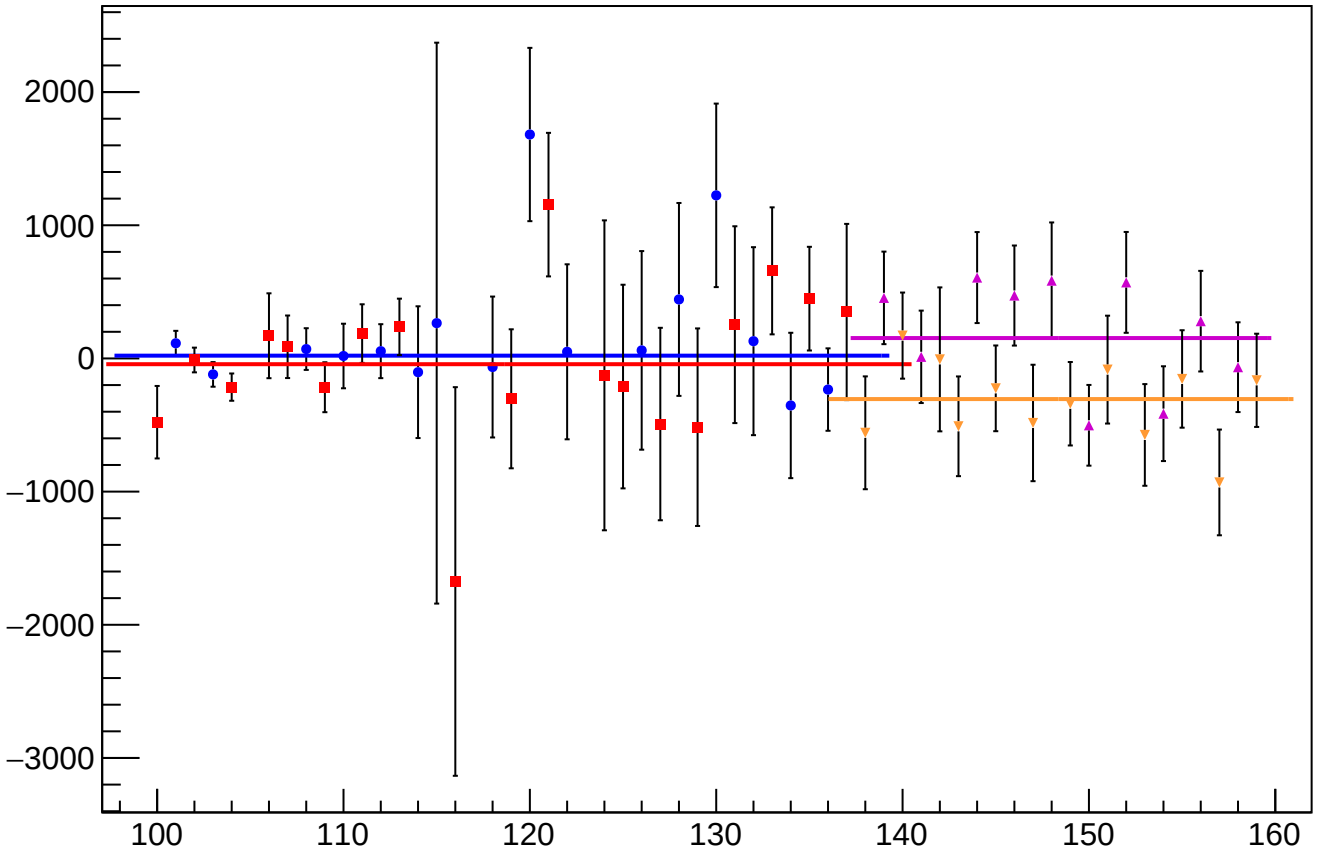
110
120
130
140
150
160
Right In: 59.509+/-0.016 χ²/NDF: 283190.4/15
Left Out: 64.474+/-0.015 χ²/NDF:123111.7/11
Right Out: 57.567+/-0.015 χ²/NDF: 347374.2/18
Left In: 64.640+/-0.016 χ²/NDF:86549.1/9
Left: 64.553+/-0.011 χ²/NDF: 209720.6/21
Right: 58.496+/-0.011 χ²/NDF: 638320.1/34
In: 62.131+/-0.011 χ²/NDF:422839.3/25
Out: 61.119+/-0.011 χ²/NDF:575892.3/30
All: 61.602+/-0.008 χ²/NDF: 1003055.4/56



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -305.164+/-108.017 χ^2/NDF:7.0/11

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 153.021+/-112.474 χ^2/NDF:13.4/9

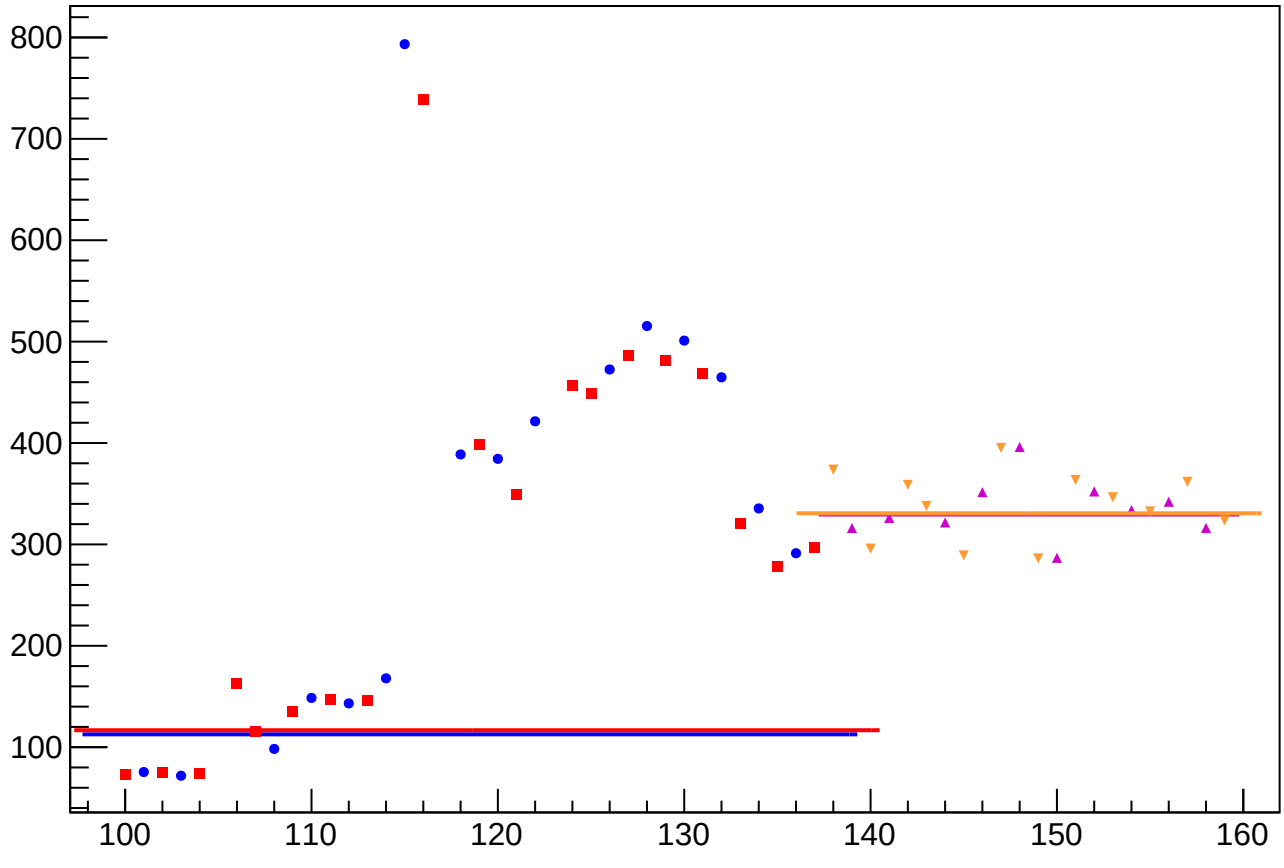
Left: -85.330+/-77.907 χ^2/NDF: 29.0/21

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 45.292+/-48.375 χ^2/NDF:29.1/25

Out: -94.405+/-47.733 χ^2/NDF:33.2/30

All: -25.491+/-33.977 χ^2/NDF: 66.6/56



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 330.679+/-0.076 χ^2/NDF:196907.4/11

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 329.497+/-0.080 χ^2/NDF:109966.5/9

Left: 330.112+/-0.055 χ^2/NDF: 306988.9/21

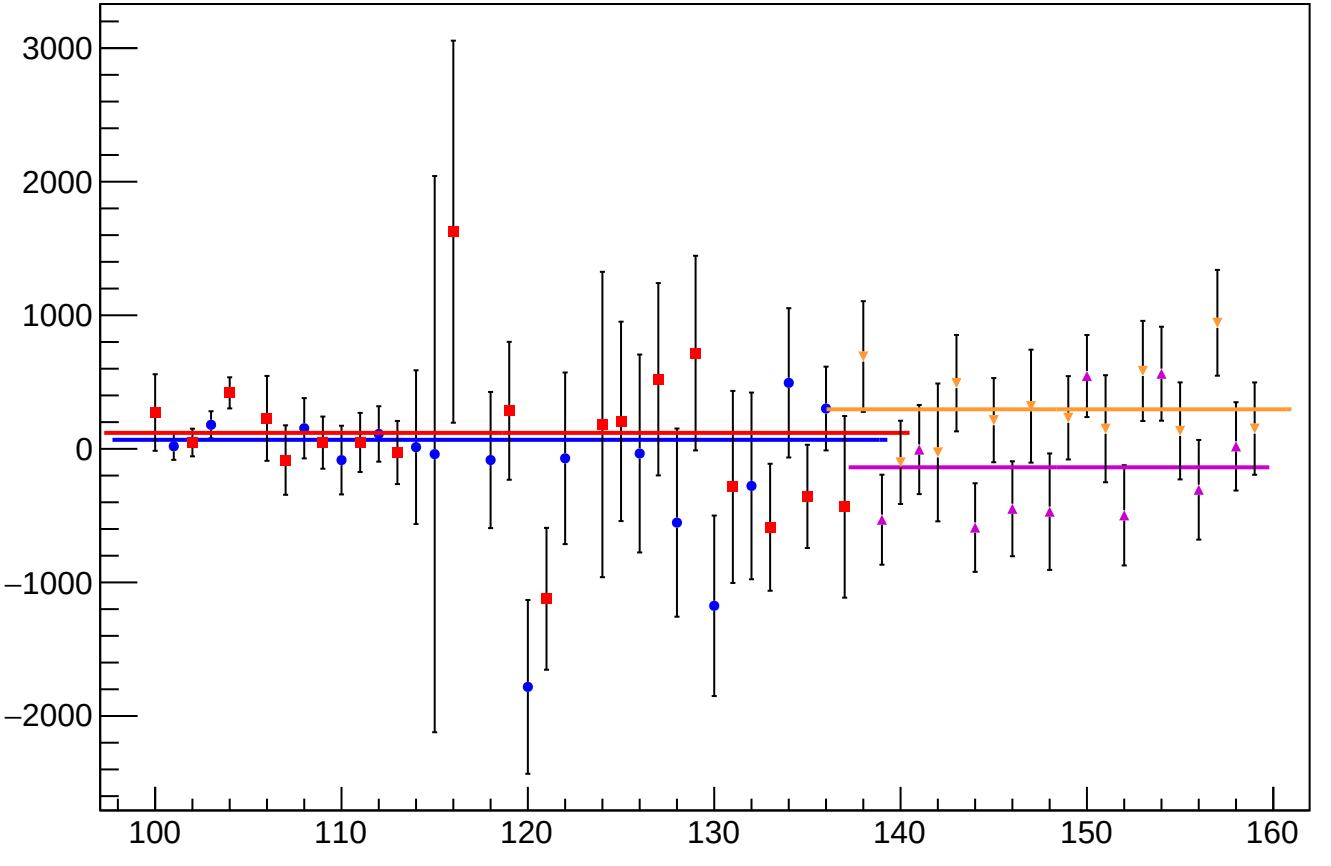
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 152.779+/-0.034 χ^2/NDF:11767577.0/25

Out: 158.511+/-0.034 χ^2/NDF:11652327.2/30

All: 155.684+/-0.024 χ^2/NDF: 23434133.4/56

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 296.049+/-105.899 χ^2/NDF:7.1/11

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -138.164+/-110.314 χ^2/NDF:15.0/9

Left: 87.805+/-76.395 χ^2/NDF: 30.1/21

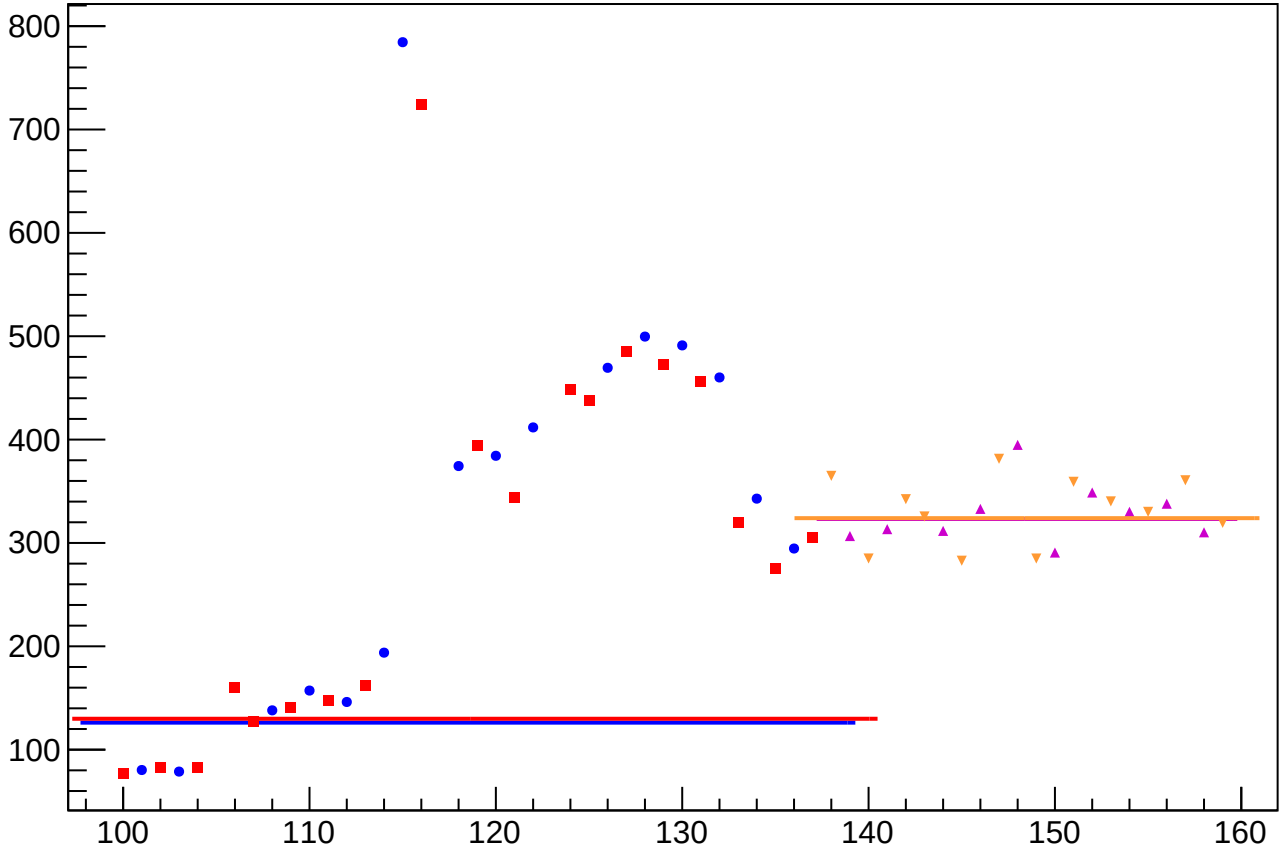
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 21.645+/-52.142 χ^2/NDF:33.4/25

Out: 160.279+/-50.830 χ^2/NDF:30.4/30

All: 92.728+/-36.397 χ^2/NDF: 67.4/56

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 323.986+/-0.075 χ^2/NDF:193039.2/11

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 323.180+/-0.078 χ^2/NDF:103196.4/9

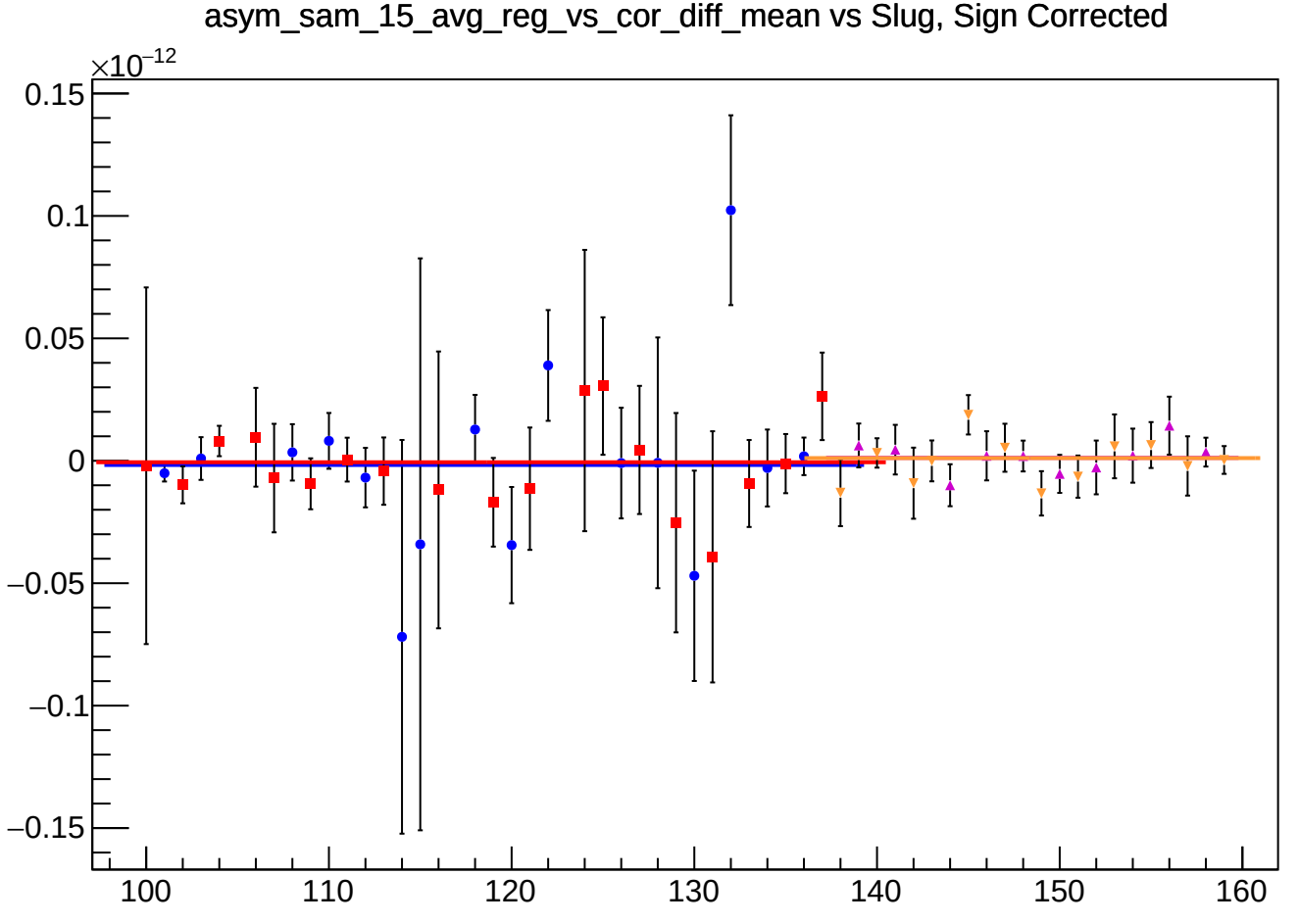
Left: 323.599+/-0.054 χ^2/NDF: 296291.2/21

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 170.173+/-0.037 χ^2/NDF:10277892.6/25

Out: 174.627+/-0.036 χ^2/NDF:10010133.2/30

All: 172.457+/-0.026 χ^2/NDF: 20295507.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/9

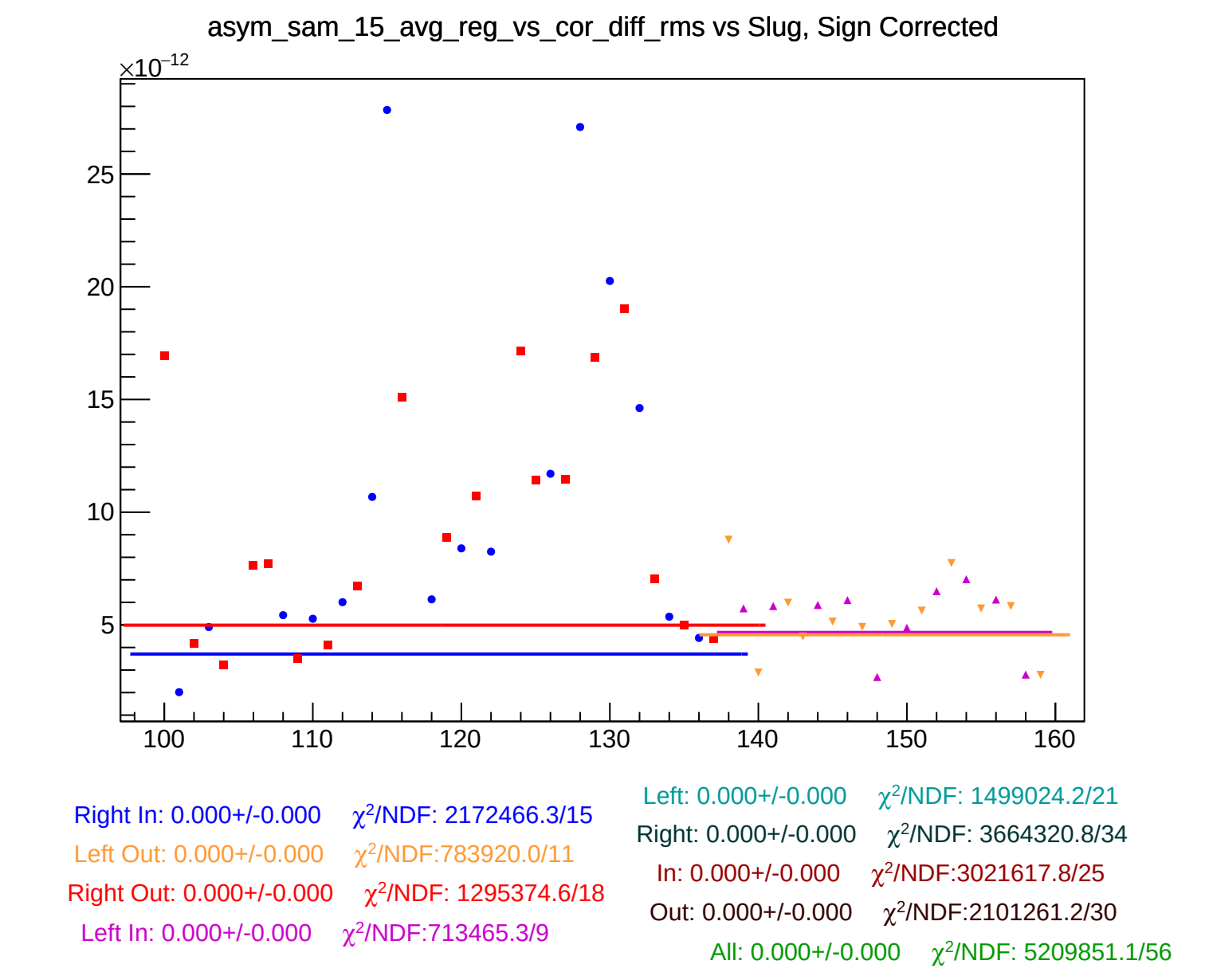
Left: 0.000+/-0.000 χ^2/NDF: 15.0/21

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:22.8/25

Out: 0.000+/-0.000 χ^2/NDF:21.3/30

All: 0.000+/-0.000 χ^2/NDF: 44.1/56


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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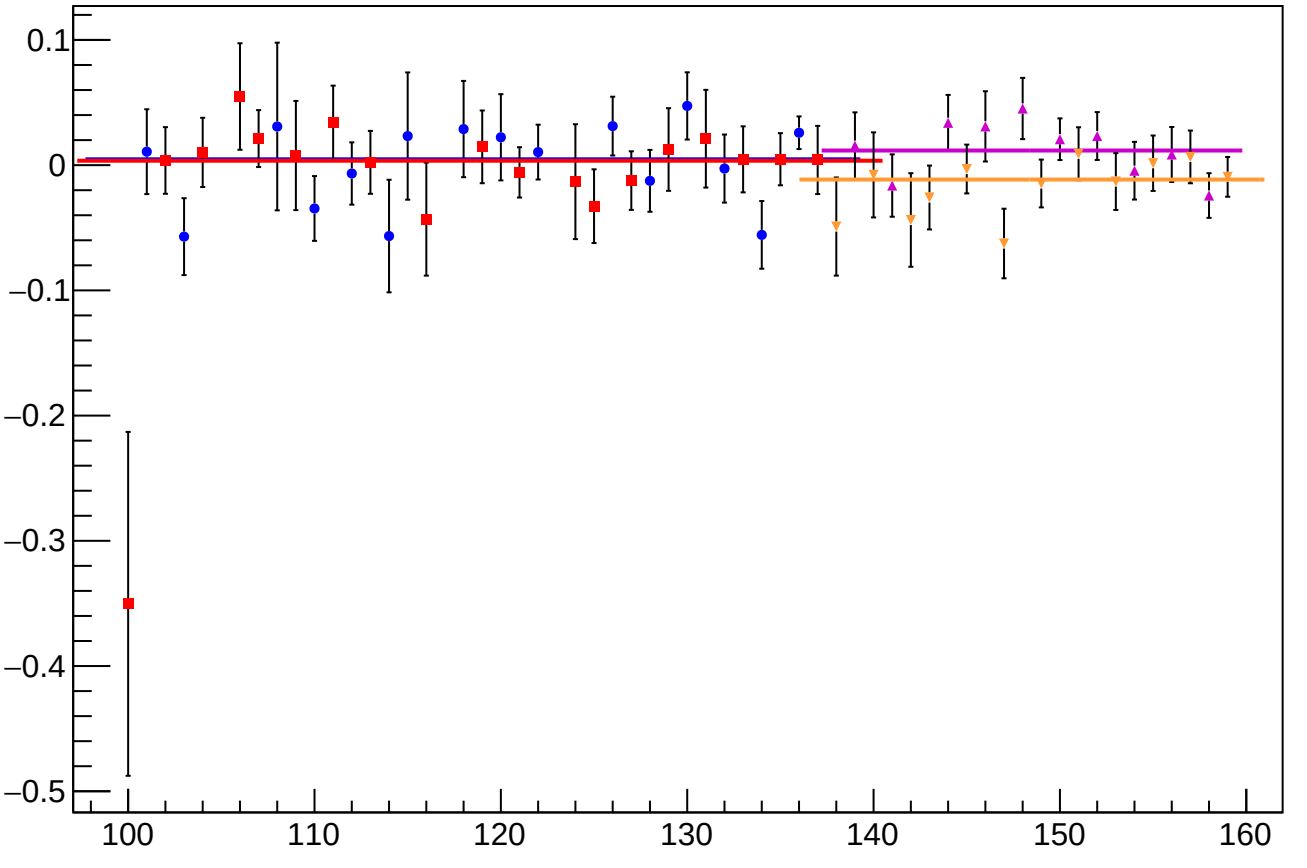
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:783920.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:713465.3/9
Left: 0.000+/-0.000 χ²/NDF: 1499024.2/21
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3021617.8/25
Out: 0.000+/-0.000 χ²/NDF:2101261.2/30
All: 0.000+/-0.000 χ²/NDF: 5209851.1/56



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

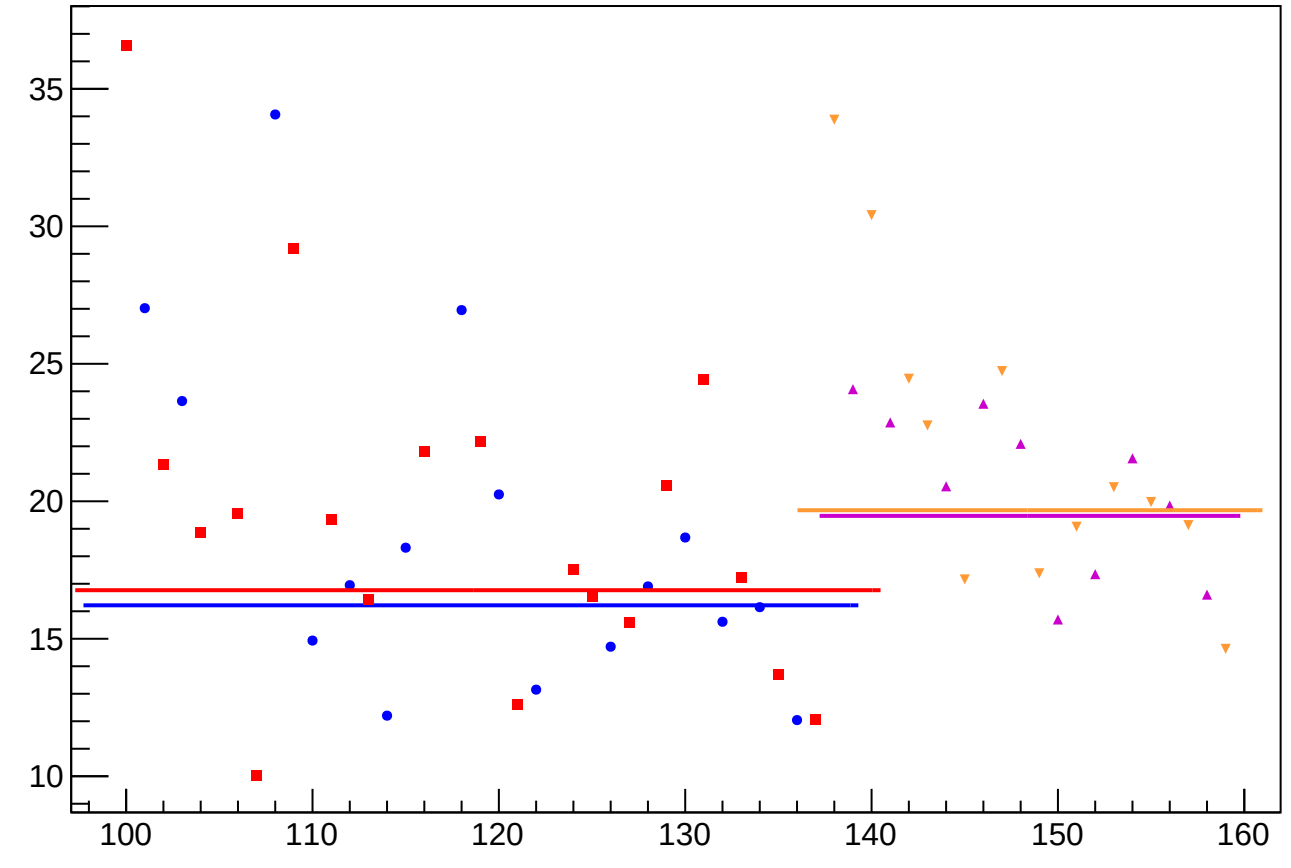
Left: -0.000+/-0.005 χ^2/NDF: 23.5/21

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.002+/-0.003 χ^2/NDF: 59.0/56



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.675+/-0.005 χ^2/NDF:860158.6/11

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

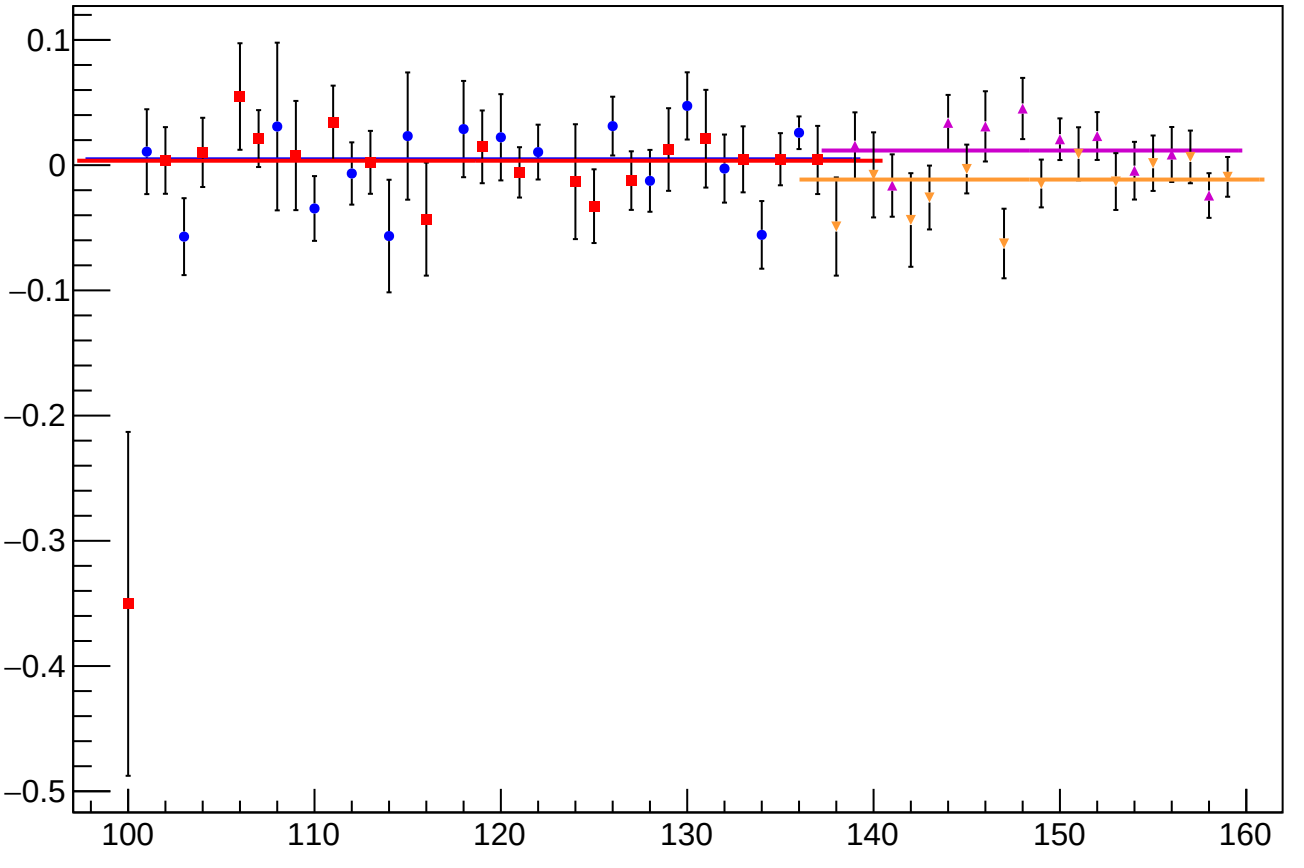
Left: 19.575+/-0.003 χ^2/NDF: 1223895.1/21

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.779+/-0.003 χ^2/NDF:1542491.9/25

Out: 18.224+/-0.003 χ^2/NDF:1920013.7/30

All: 18.004+/-0.002 χ^2/NDF: 3471461.2/56



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

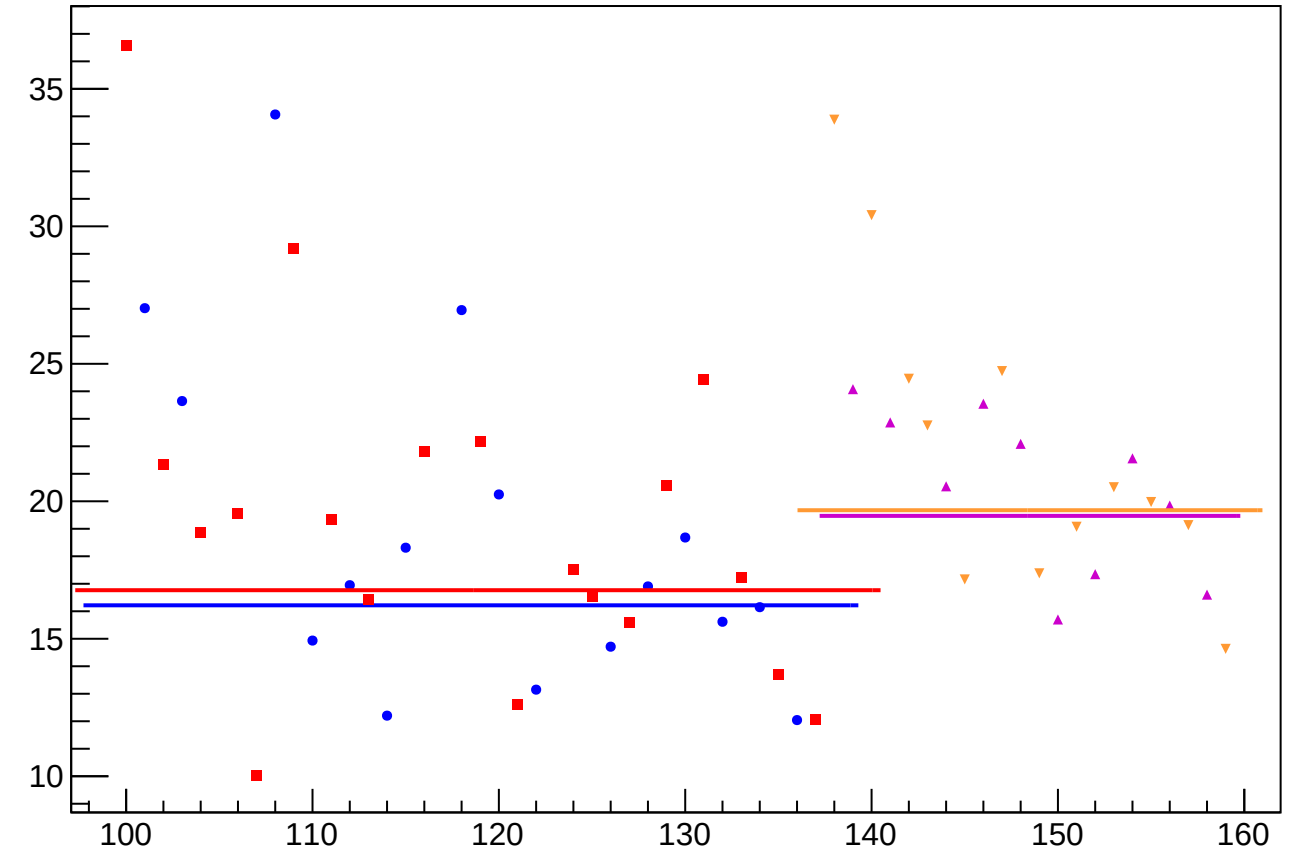
Left: -0.000+/-0.005 χ^2/NDF: 23.5/21

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.002+/-0.003 χ^2/NDF: 59.0/56



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.675+/-0.005 χ^2/NDF:860158.6/11

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

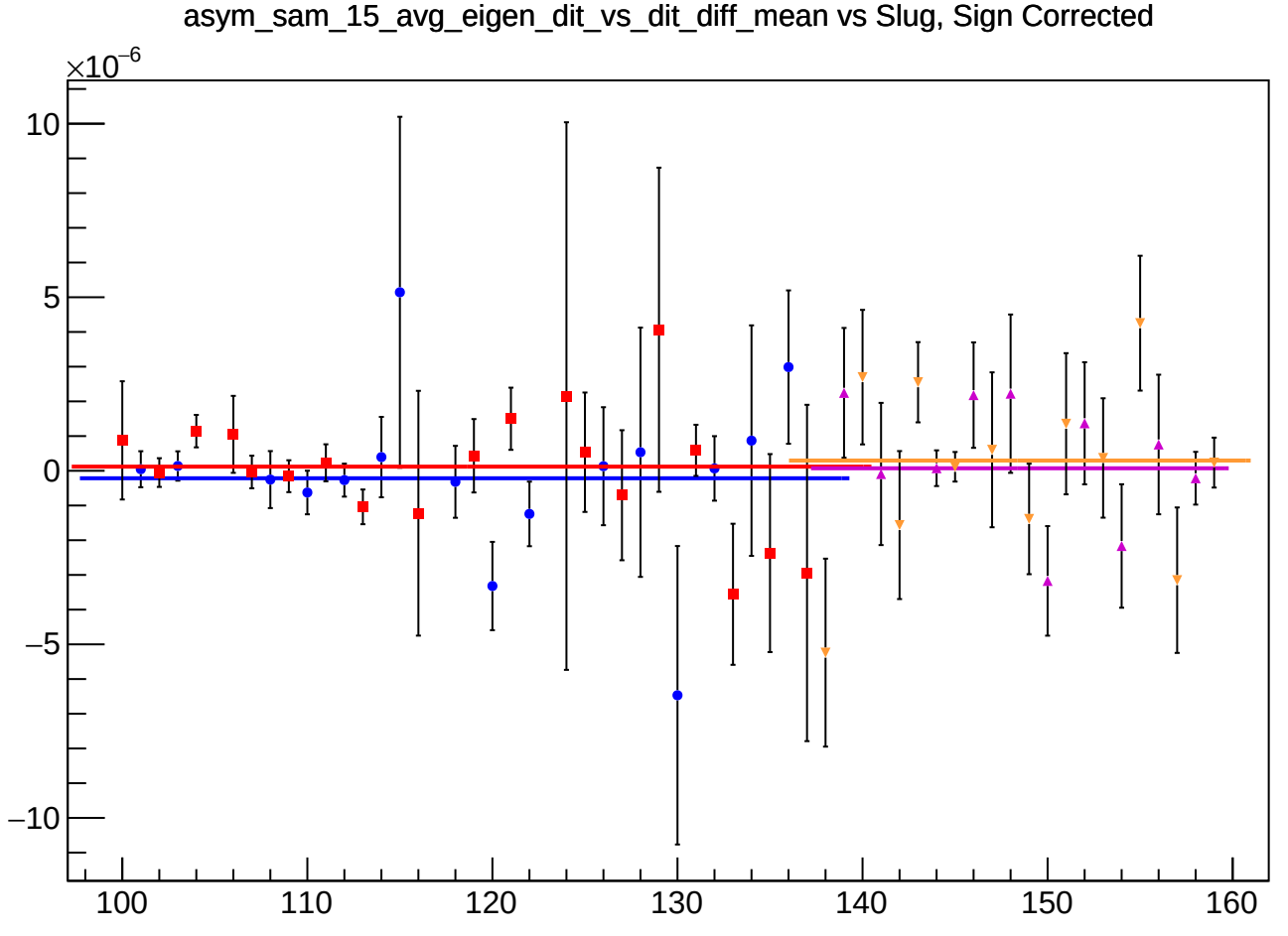
Left: 19.575+/-0.003 χ^2/NDF: 1223895.1/21

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.779+/-0.003 χ^2/NDF:1542491.9/25

Out: 18.224+/-0.003 χ^2/NDF:1920013.7/30

All: 18.004+/-0.002 χ^2/NDF: 3471461.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

Left: 0.000+/-0.000 χ^2/NDF: 29.7/21

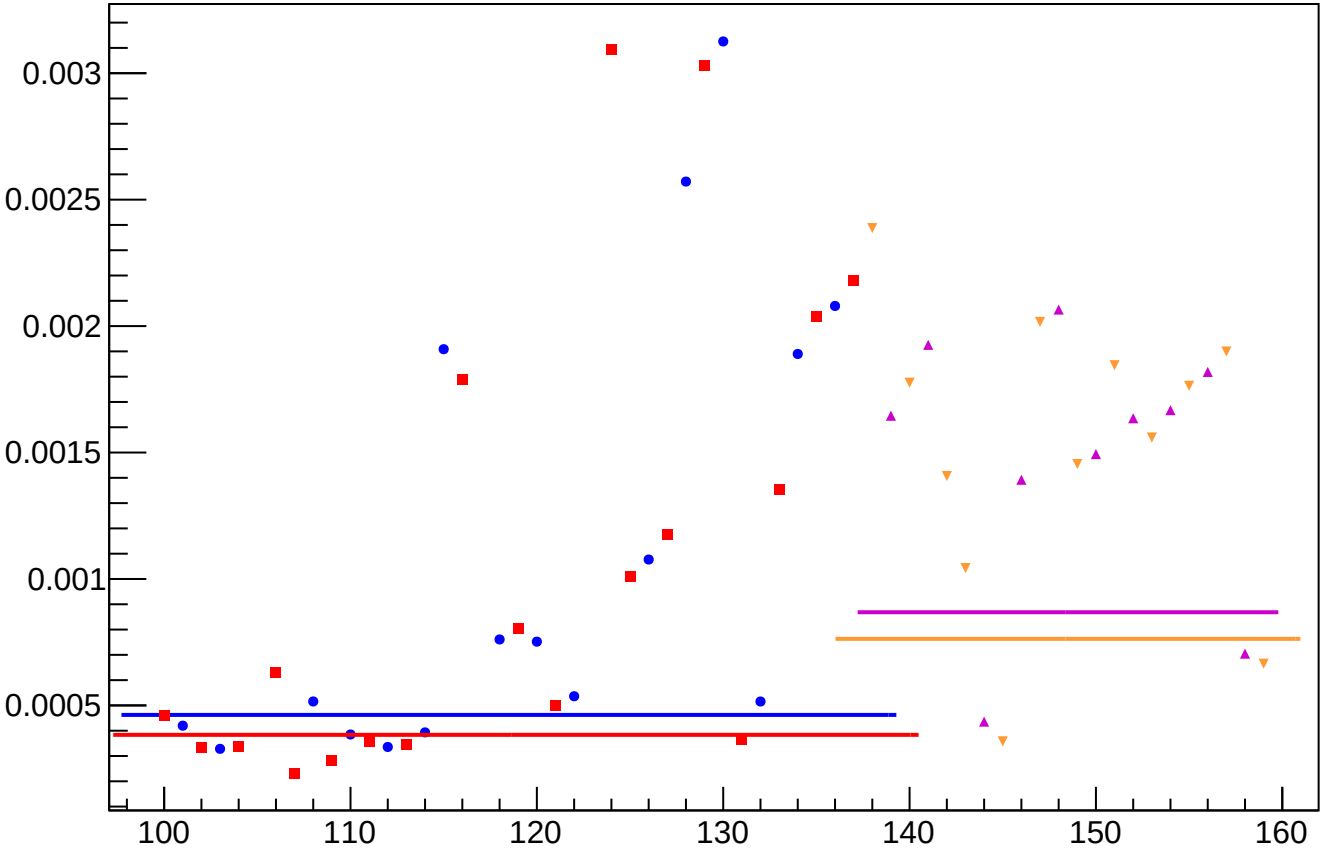
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:25.8/25

Out: 0.000+/-0.000 χ^2/NDF:39.2/30

All: 0.000+/-0.000 χ^2/NDF: 66.6/56

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6532971.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4719108.0/9

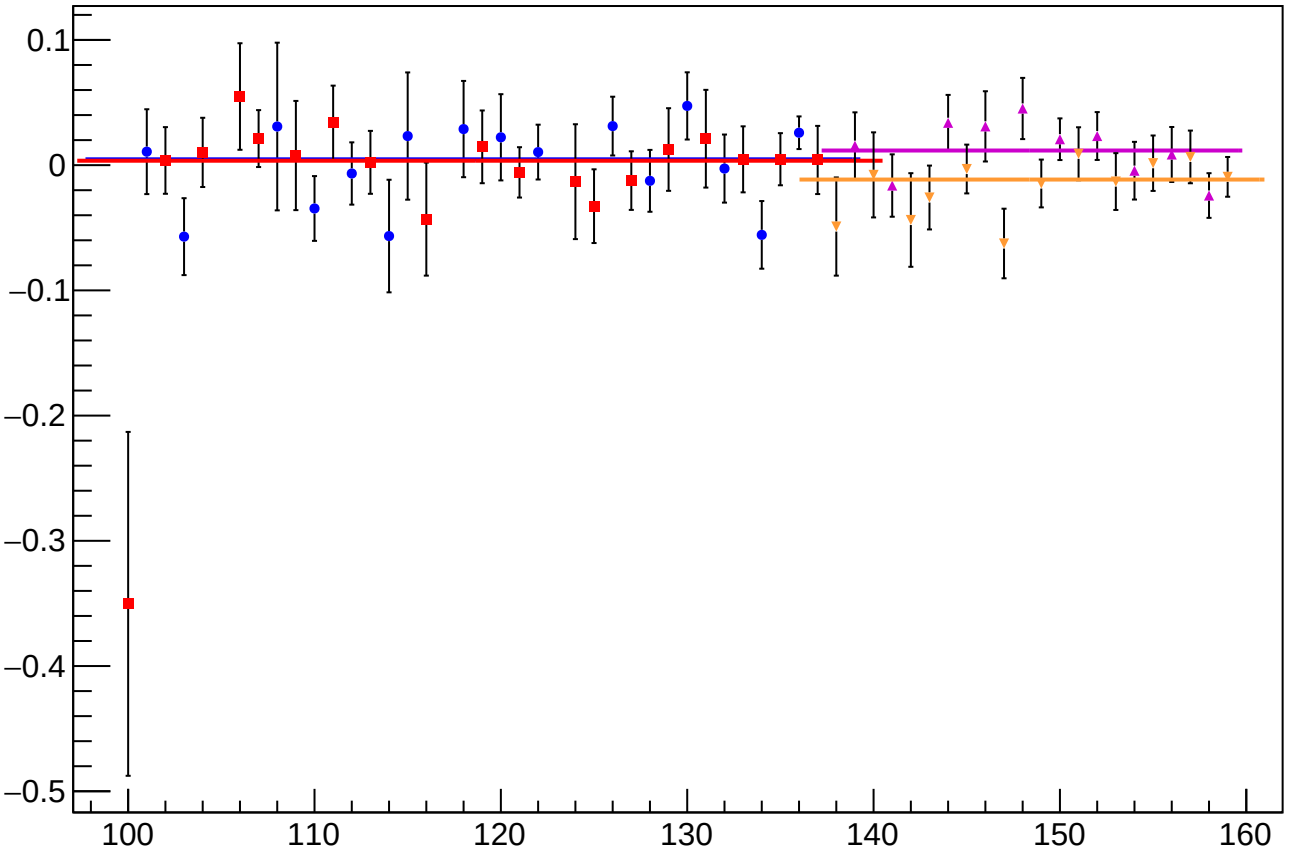
Left: 0.001+/-0.000 χ^2/NDF: 11351975.0/21

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:10686313.6/25

Out: 0.000+/-0.000 χ^2/NDF:12892839.5/30

All: 0.001+/-0.000 χ^2/NDF: 23888751.6/56



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

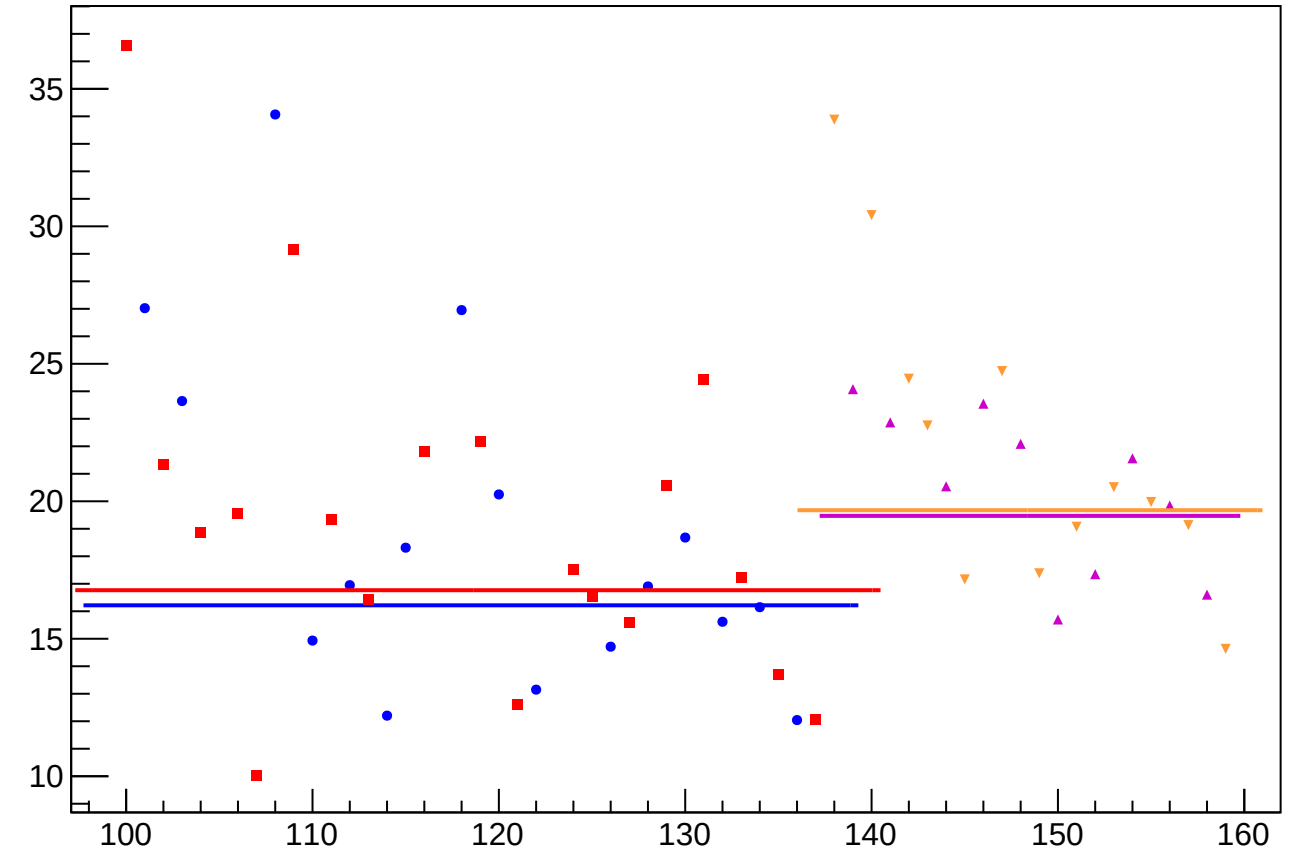
Left: -0.000+/-0.005 χ^2/NDF: 23.5/21

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.002+/-0.003 χ^2/NDF: 59.0/56



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.675+/-0.005 χ^2/NDF:860259.1/11

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

Left: 19.576+/-0.003 χ^2/NDF: 1224098.7/21

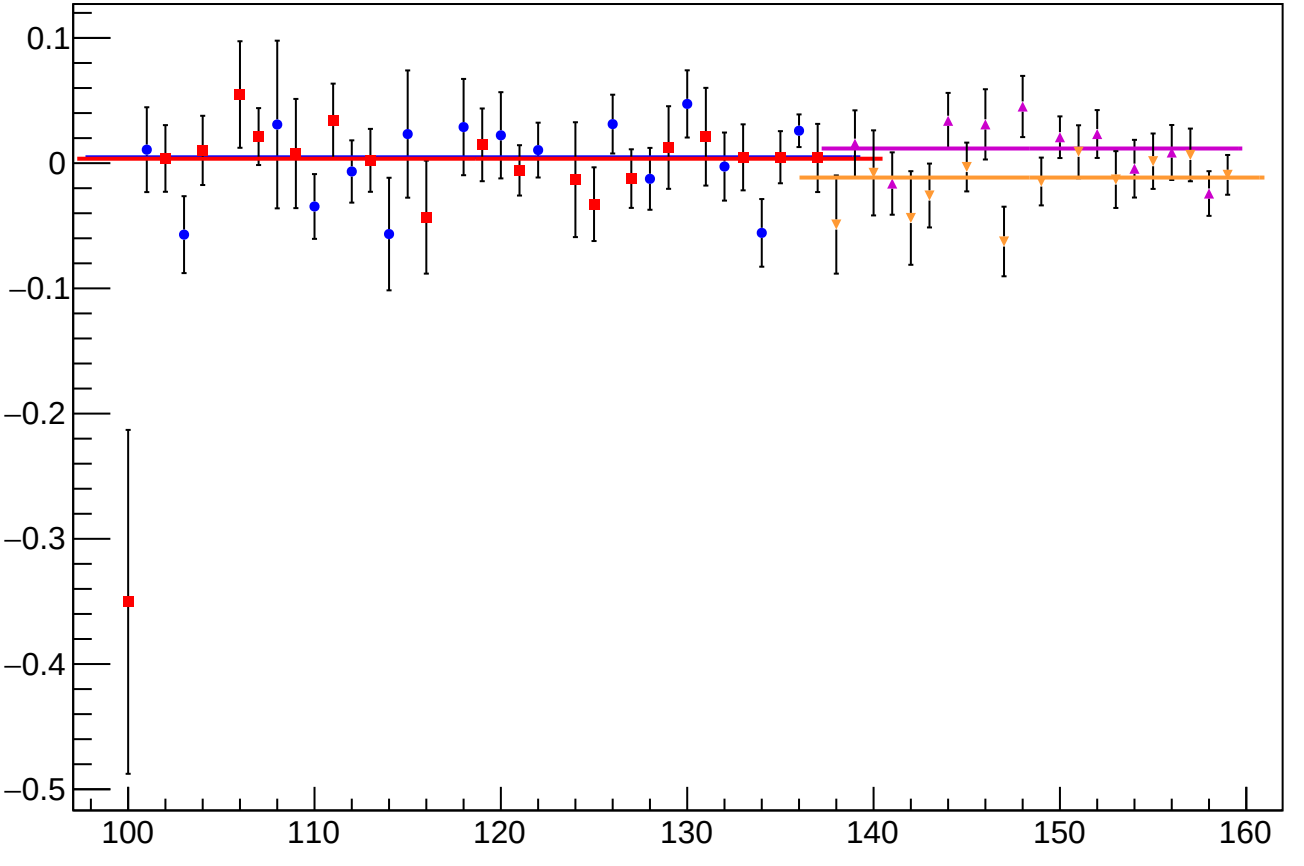
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.779+/-0.003 χ^2/NDF:1542595.2/25

Out: 18.224+/-0.003 χ^2/NDF:1920137.4/30

All: 18.004+/-0.002 χ^2/NDF: 3471687.5/56

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

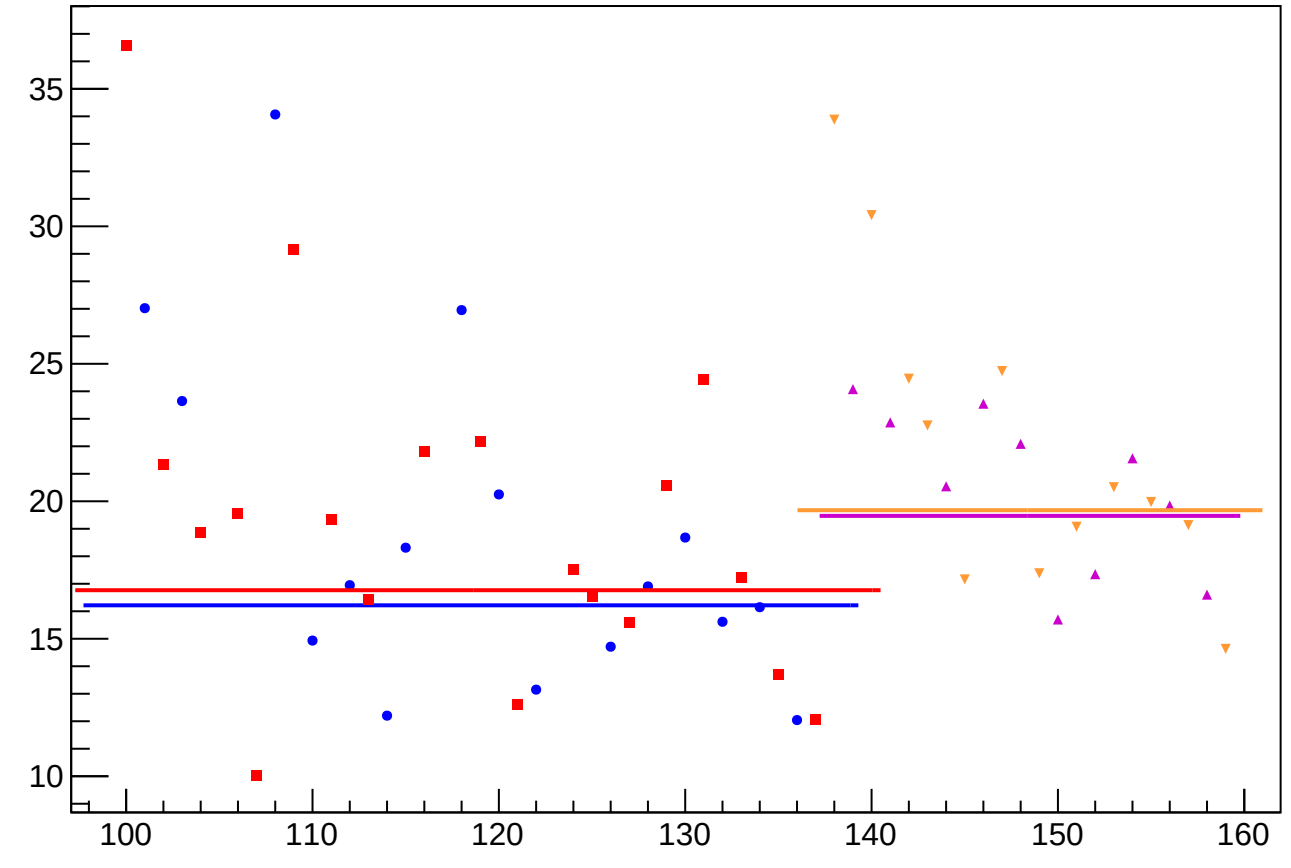
Left: -0.000+/-0.005 χ^2/NDF: 23.5/21

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.002+/-0.003 χ^2/NDF: 59.0/56



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.675+/-0.005 χ^2/NDF:860259.1/11

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

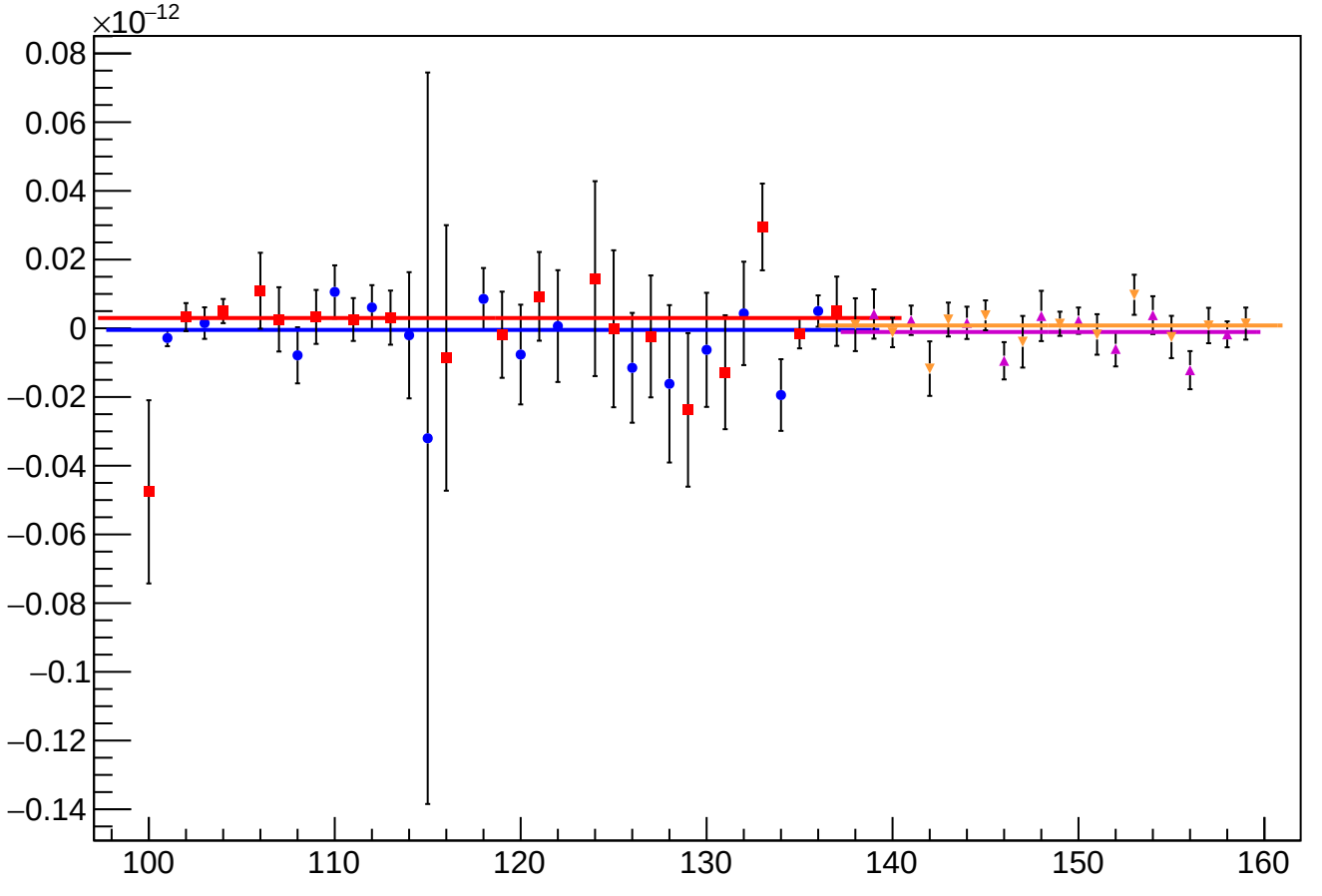
Left: 19.576+/-0.003 χ^2/NDF: 1224098.7/21

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.779+/-0.003 χ^2/NDF:1542595.2/25

Out: 18.224+/-0.003 χ^2/NDF:1920137.4/30

All: 18.004+/-0.002 χ^2/NDF: 3471687.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

Left: -0.000+/-0.000 χ^2/NDF: 18.1/21

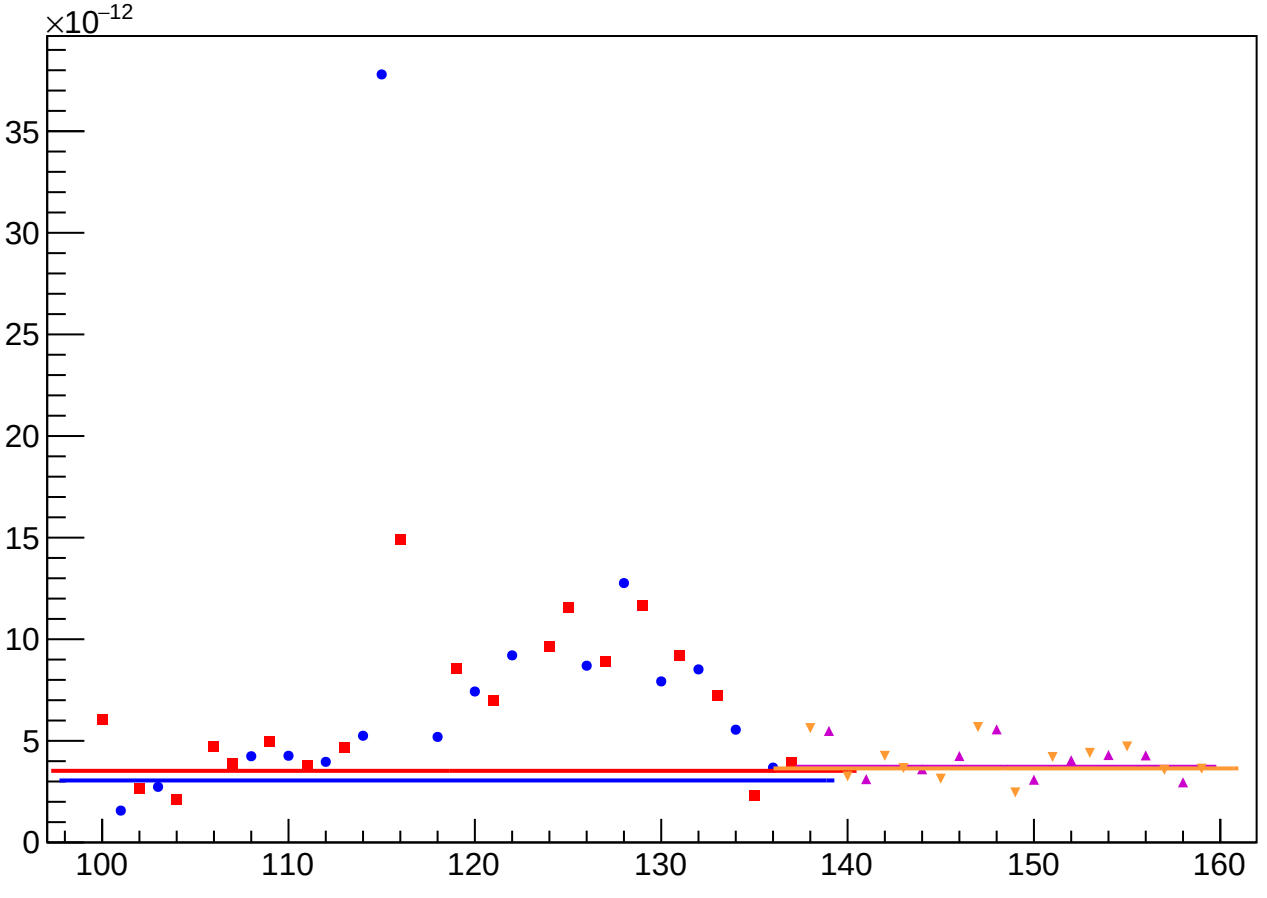
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:23.2/25

Out: 0.000+/-0.000 χ^2/NDF:20.5/30

All: 0.000+/-0.000 χ^2/NDF: 46.0/56

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:675904.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:495836.7/9

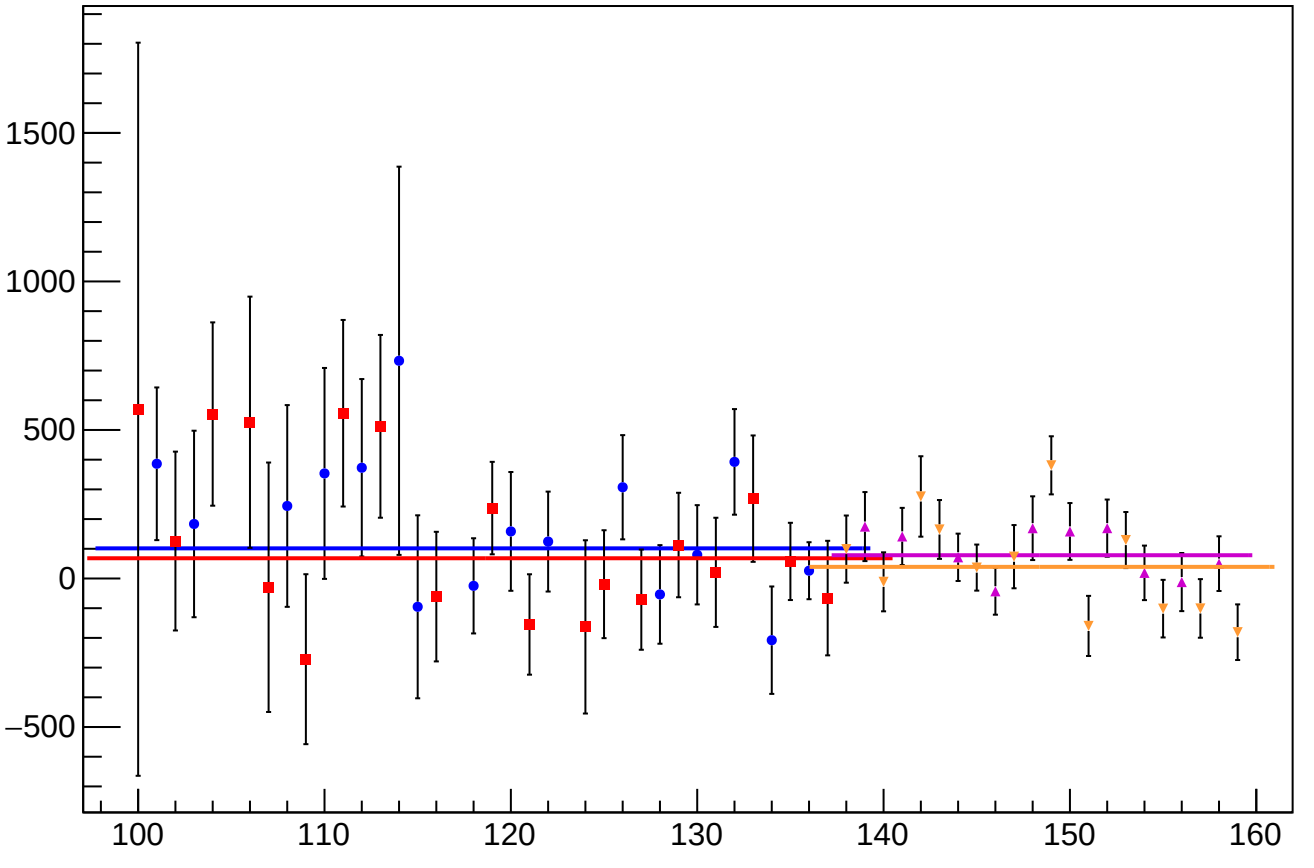
Left: 0.000+/-0.000 χ^2/NDF: 1174635.1/21

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3612030.6/25

Out: 0.000+/-0.000 χ^2/NDF:3240231.8/30

All: 0.000+/-0.000 χ^2/NDF: 6879915.2/56



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 39.139+/-28.532 χ^2/NDF:31.9/11

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 78.321+/-29.538 χ^2/NDF:7.2/9

Left: 58.052+/-20.522 χ^2/NDF: 40.0/21

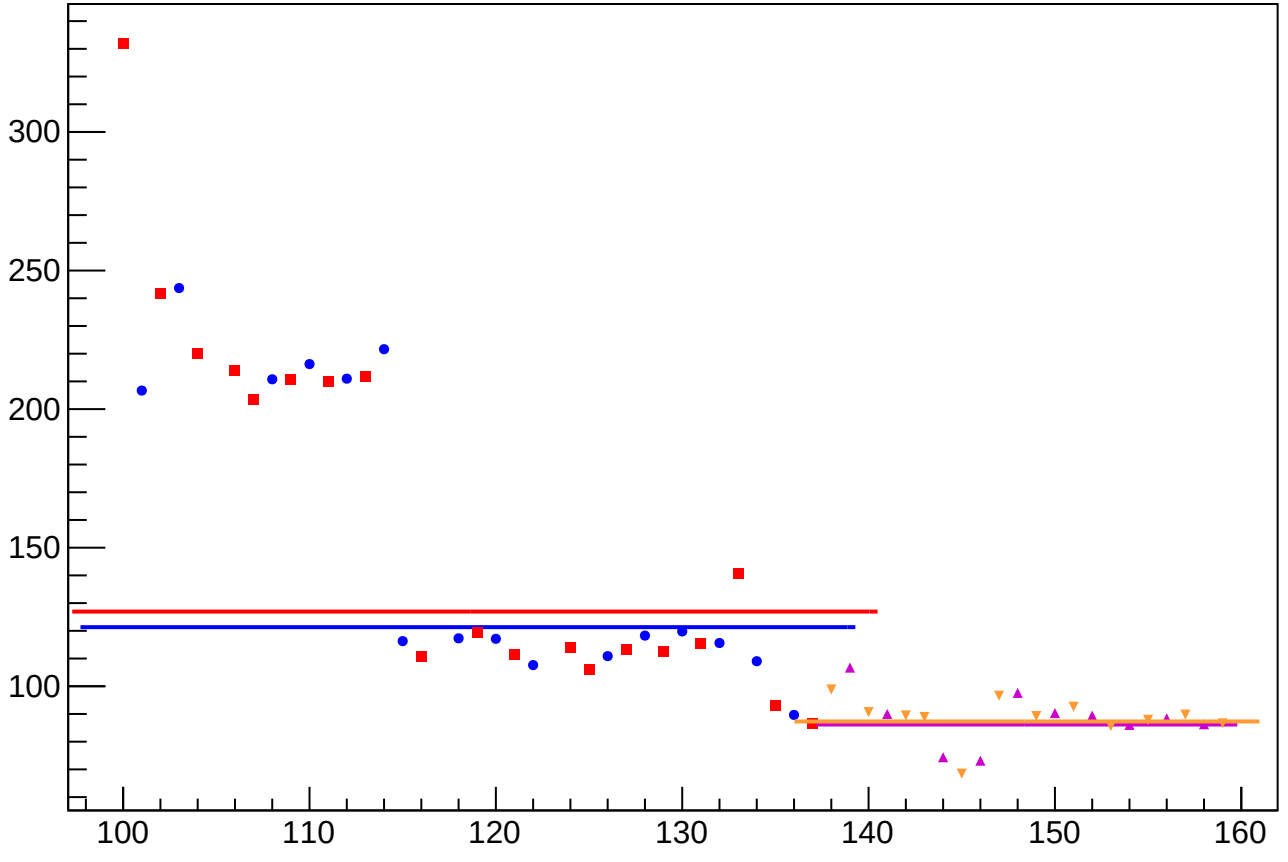
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 84.748+/-25.103 χ^2/NDF:20.7/25

Out: 46.402+/-24.698 χ^2/NDF:48.3/30

All: 65.263+/-17.606 χ^2/NDF: 70.2/56

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.288+/-0.020 χ^2/NDF:165768.1/11

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

Left: 86.759+/-0.015 χ^2/NDF: 361224.0/21

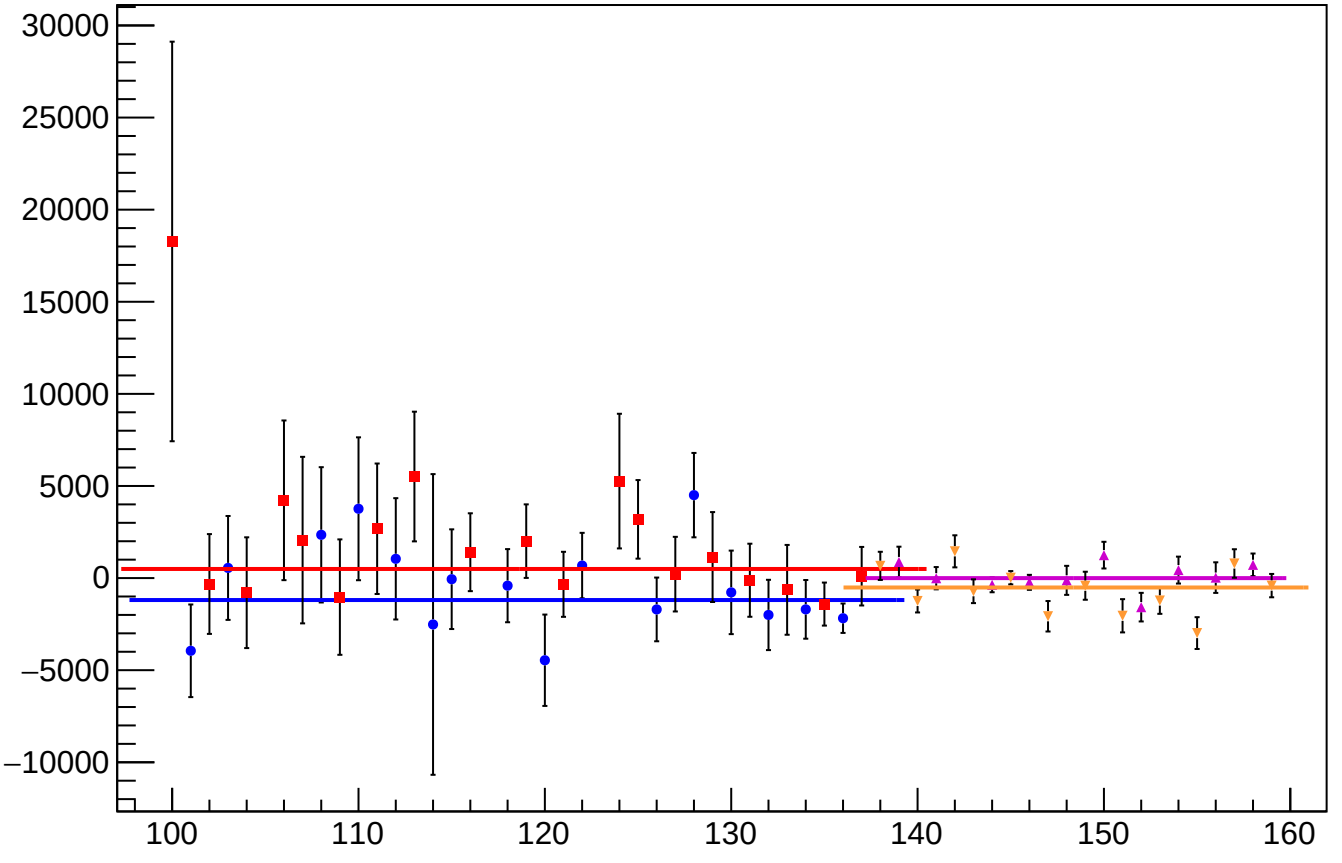
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 95.951+/-0.018 χ^2/NDF:2266582.8/25

Out: 97.230+/-0.017 χ^2/NDF:2605941.1/30

All: 96.601+/-0.012 χ^2/NDF: 4875163.2/56

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: -510.993+/-190.794 χ^2/NDF:29.6/11

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -2.310+/-190.764 χ^2/NDF:11.1/9

Left: -256.612+/-134.901 χ^2/NDF: 44.2/21

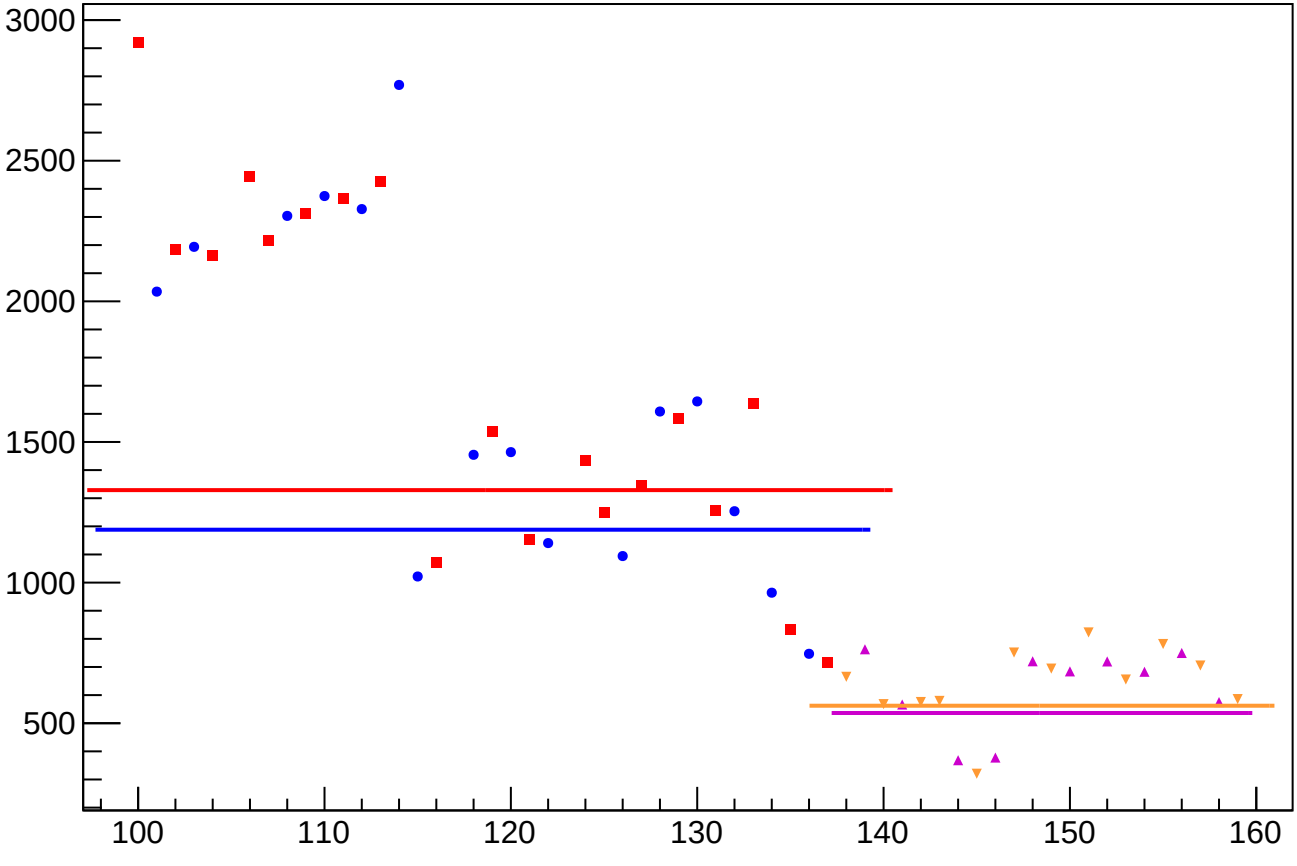
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -165.250+/-177.222 χ^2/NDF:32.3/25

Out: -392.382+/-179.189 χ^2/NDF:46.7/30

All: -277.562+/-126.005 χ^2/NDF: 79.9/56

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 562.269+/-0.135 χ^2/NDF:1494494.7/11

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 536.407+/-0.135 χ^2/NDF:1326004.7/9

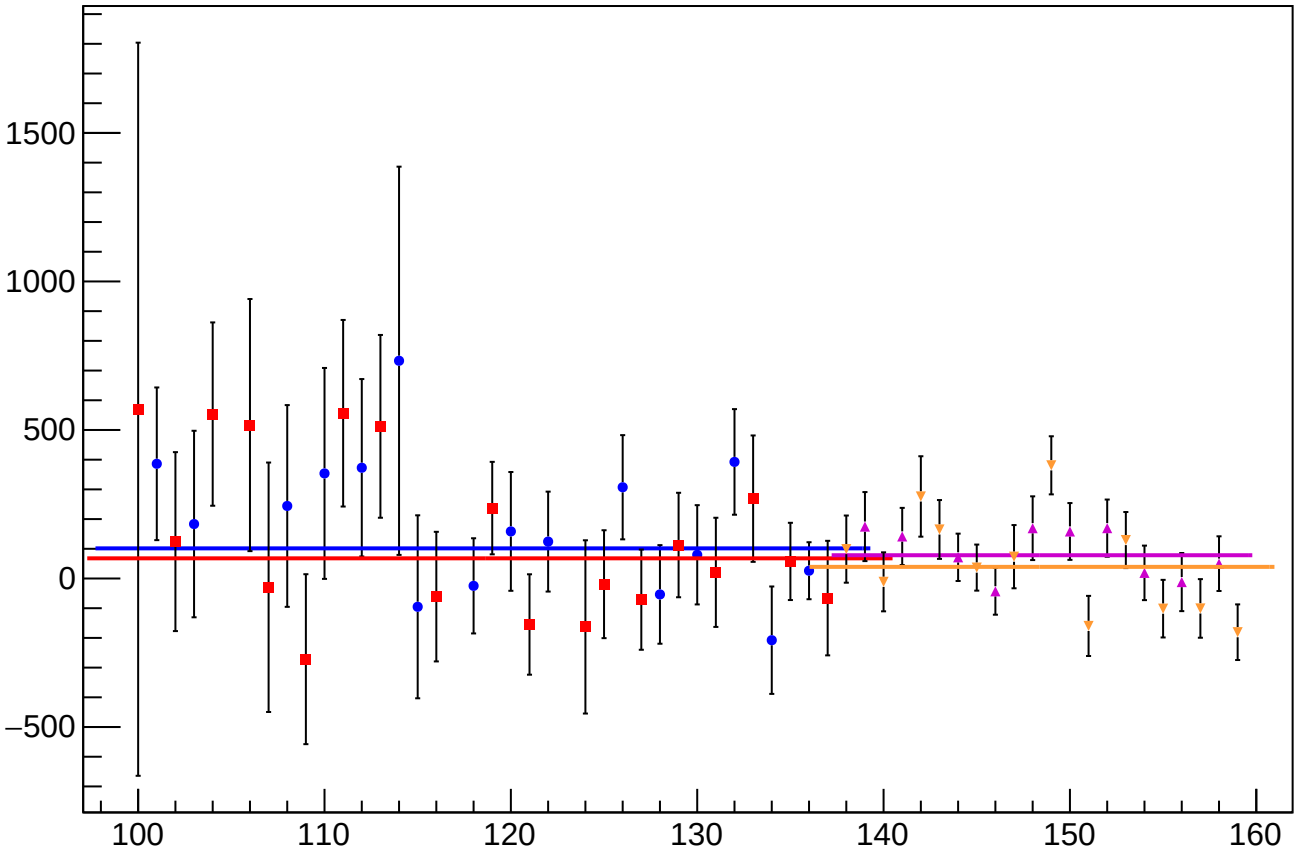
Left: 549.336+/-0.095 χ^2/NDF: 2838875.1/21

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 625.646+/-0.125 χ^2/NDF:6566676.5/25

Out: 652.681+/-0.127 χ^2/NDF:7260000.9/30

All: 639.015+/-0.089 χ^2/NDF: 13849692.1/56



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 39.145+/-28.532 χ^2/NDF:31.9/11

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 78.323+/-29.538 χ^2/NDF:7.2/9

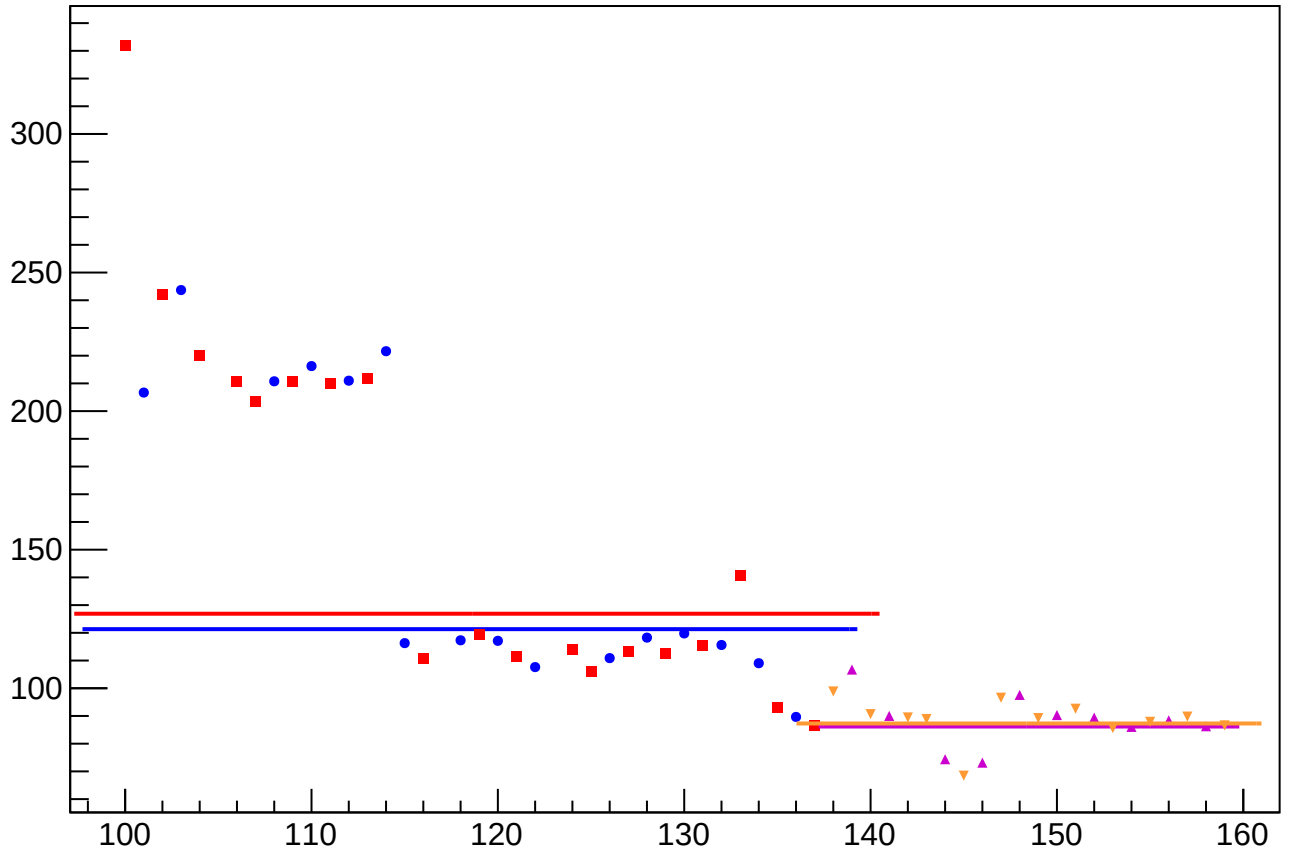
Left: 58.056+/-20.522 χ^2/NDF: 40.0/21

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 84.746+/-25.103 χ^2/NDF:20.7/25

Out: 46.349+/-24.699 χ^2/NDF:48.3/30

All: 65.236+/-17.606 χ^2/NDF: 70.2/56



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.288+/-0.020 χ^2/NDF:165768.1/11

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

Left: 86.759+/-0.015 χ^2/NDF: 361224.0/21

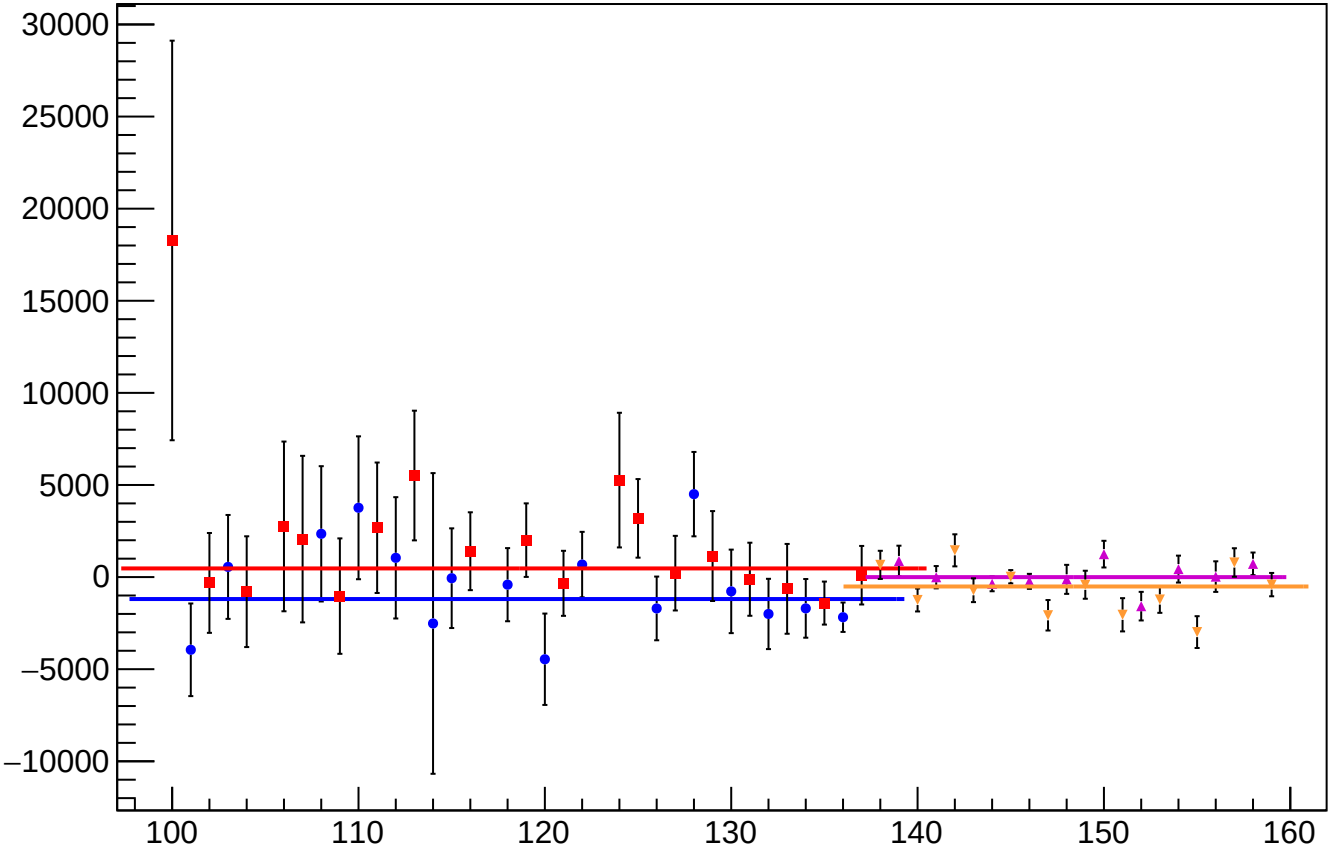
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.951+/-0.018 χ^2/NDF:2266585.1/25

Out: 97.217+/-0.017 χ^2/NDF:2597295.6/30

All: 96.594+/-0.012 χ^2/NDF: 4866464.7/56

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -510.984+/-190.794 χ^2/NDF:29.6/11

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -2.307+/-190.764 χ^2/NDF:11.1/9

Left: -256.606+/-134.901 χ^2/NDF: 44.2/21

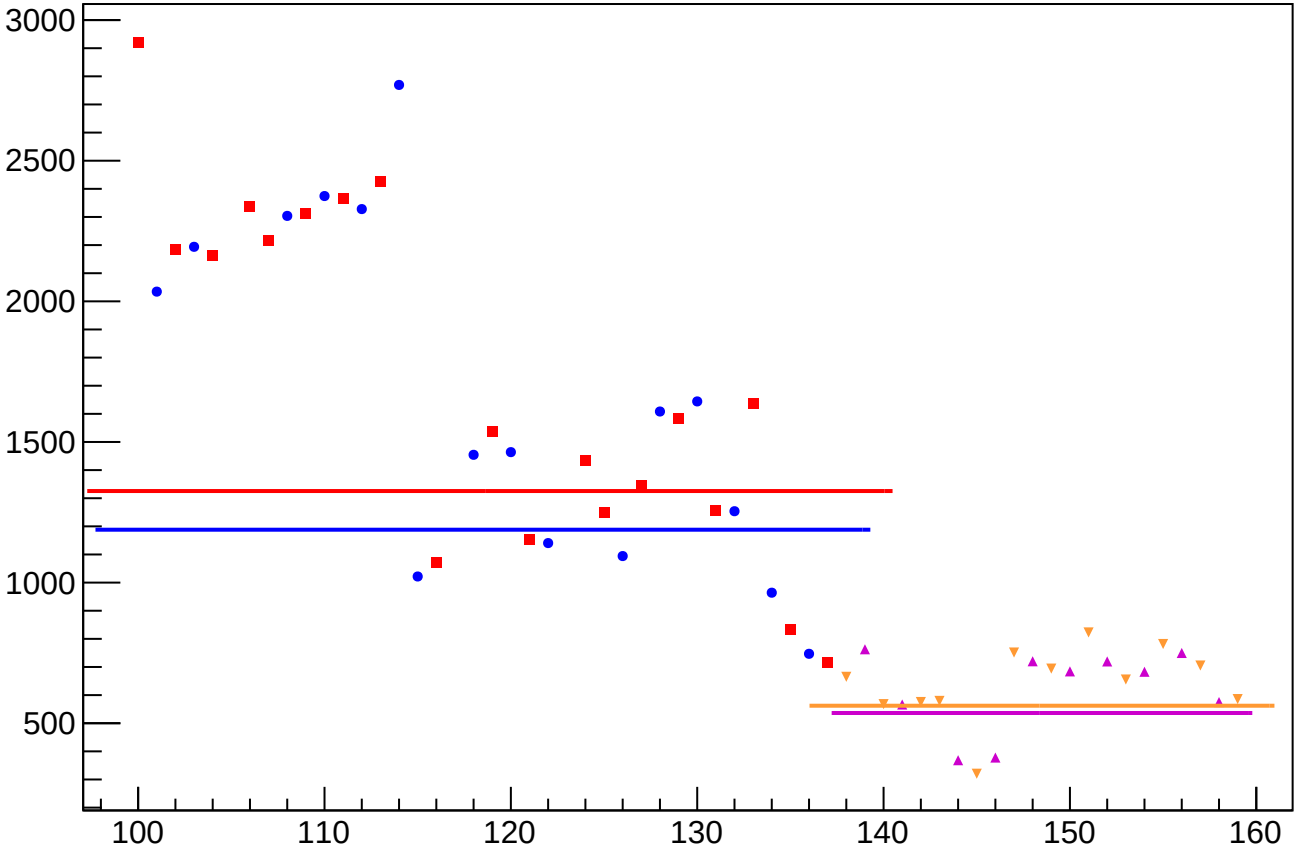
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -165.244+/-177.222 χ^2/NDF:32.3/25

Out: -395.485+/-179.207 χ^2/NDF:46.1/30

All: -279.082+/-126.011 χ^2/NDF: 79.2/56

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: 562.268+/-0.135 χ^2/NDF:1494504.2/11

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

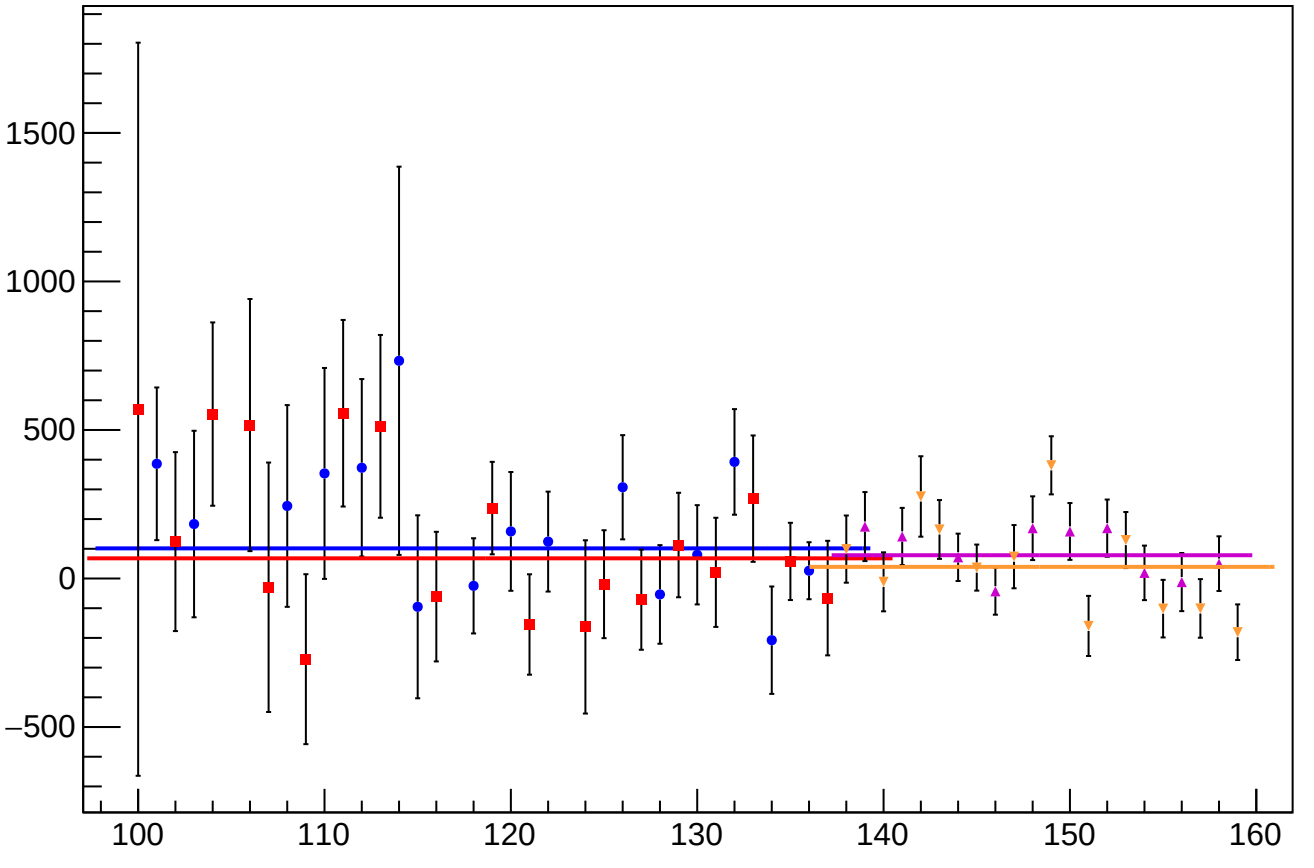
Left: 549.336+/-0.095 χ^2/NDF: 2838885.1/21

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 625.646+/-0.125 χ^2/NDF:6566699.8/25

Out: 652.161+/-0.127 χ^2/NDF:7185295.8/30

All: 638.756+/-0.089 χ^2/NDF: 13774131.5/56



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 39.145+/-28.532 χ^2/NDF:31.9/11

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 78.323+/-29.538 χ^2/NDF:7.2/9

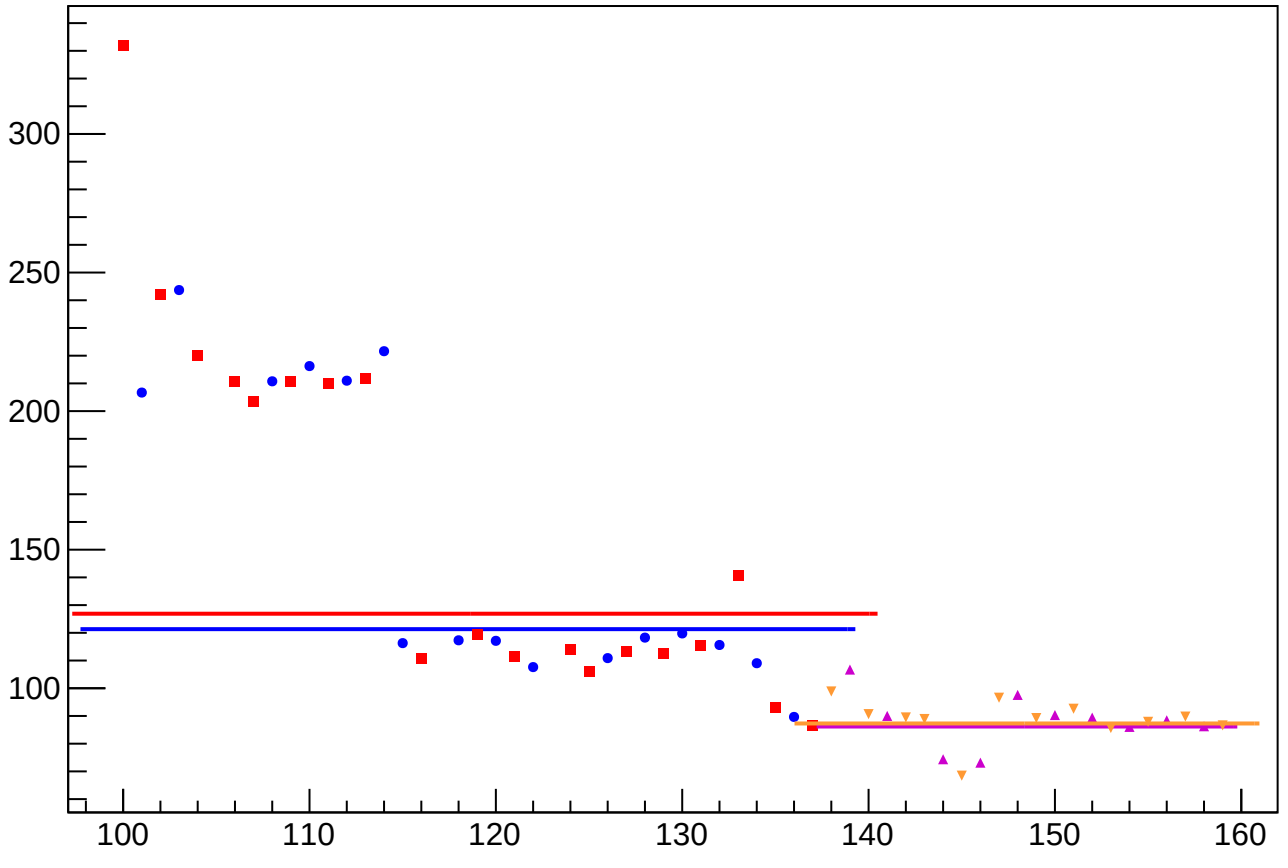
Left: 58.056+/-20.522 χ^2/NDF: 40.0/21

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 84.746+/-25.103 χ^2/NDF:20.7/25

Out: 46.349+/-24.699 χ^2/NDF:48.3/30

All: 65.236+/-17.606 χ^2/NDF: 70.2/56



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.288+/-0.020 χ^2/NDF:165768.1/11

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

Left: 86.759+/-0.015 χ^2/NDF: 361224.0/21

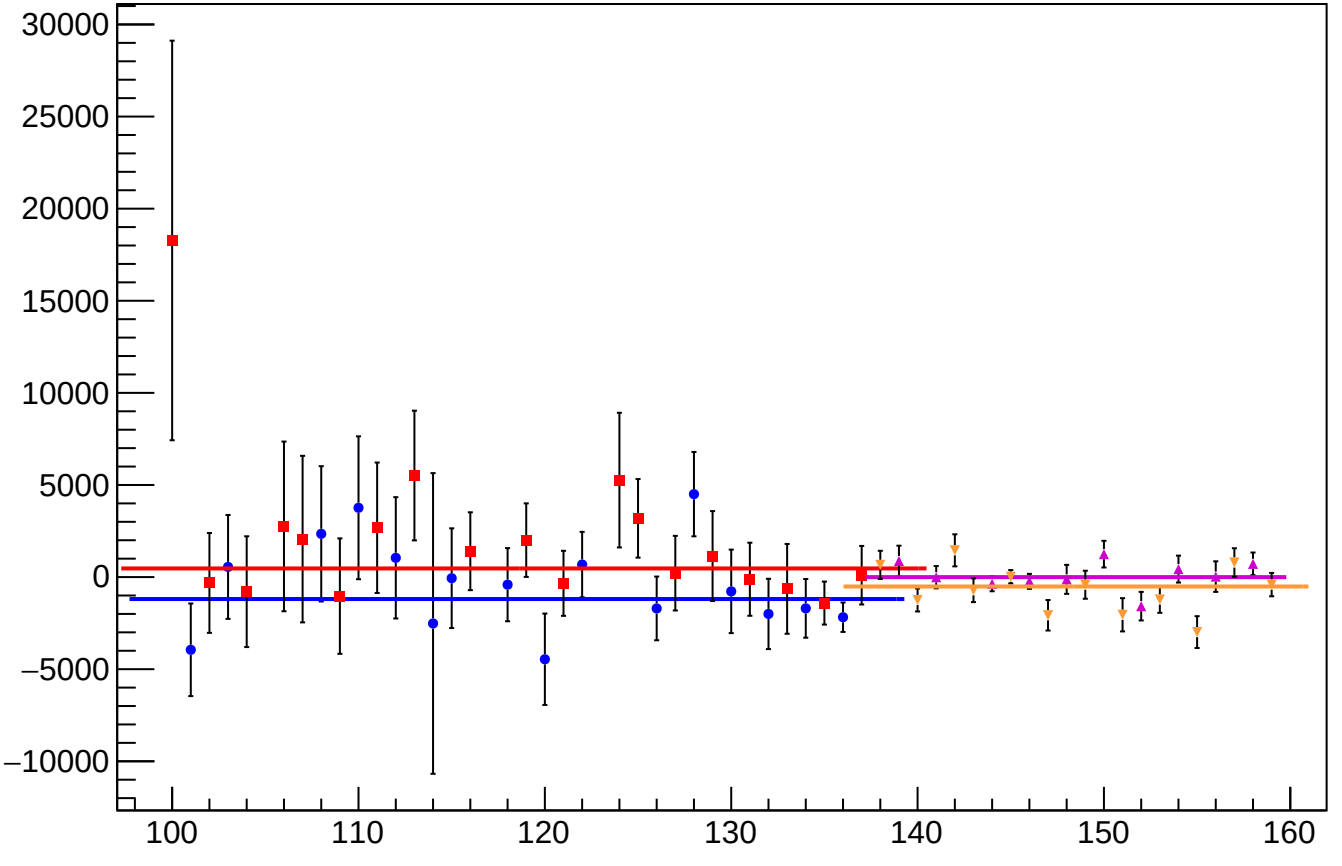
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.951+/-0.018 χ^2/NDF:2266585.1/25

Out: 97.217+/-0.017 χ^2/NDF:2597295.6/30

All: 96.594+/-0.012 χ^2/NDF: 4866464.7/56

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: -510.984+/-190.794 χ^2/NDF:29.6/11

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -2.307+/-190.764 χ^2/NDF:11.1/9

Left: -256.606+/-134.901 χ^2/NDF: 44.2/21

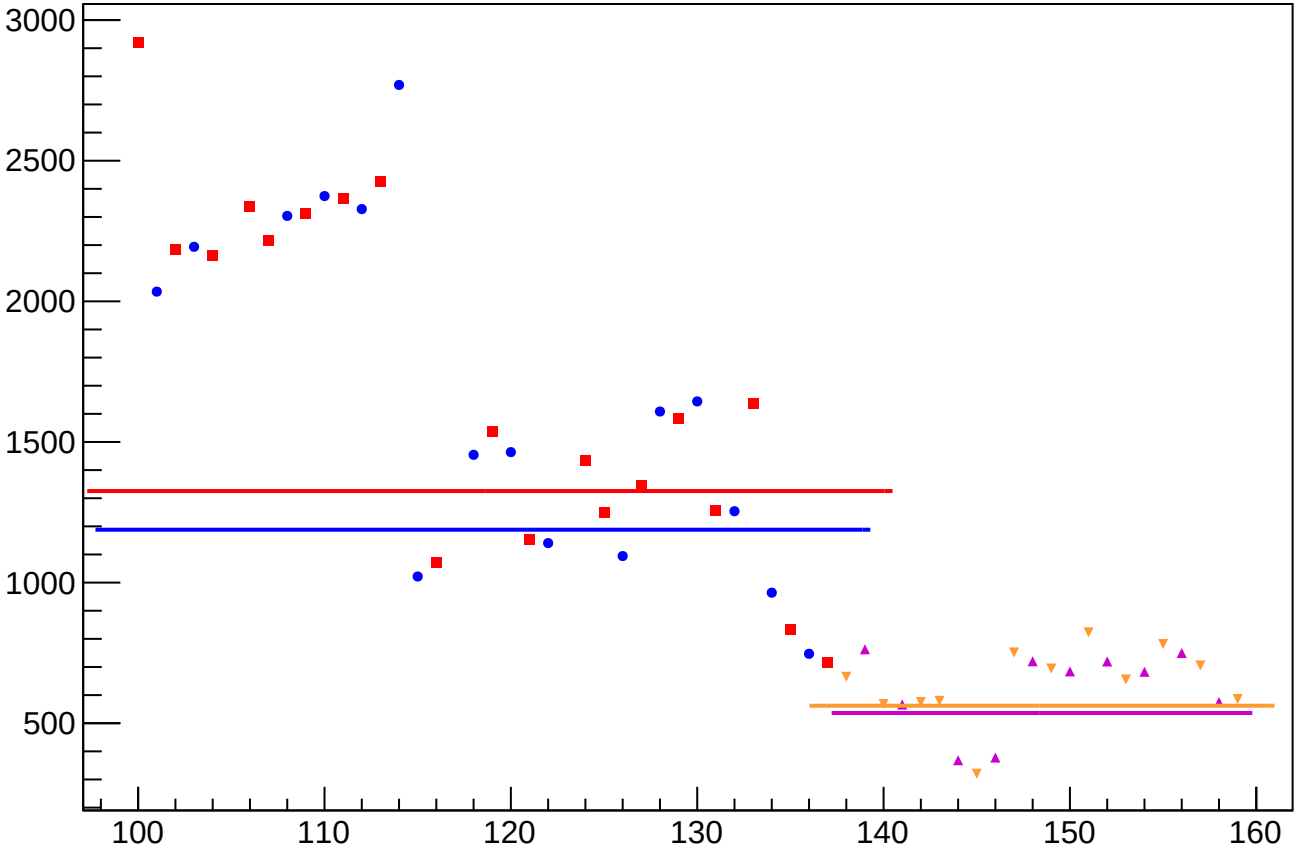
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -165.244+/-177.222 χ^2/NDF:32.3/25

Out: -395.485+/-179.207 χ^2/NDF:46.1/30

All: -279.082+/-126.011 χ^2/NDF: 79.2/56

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: 562.268+/-0.135 χ^2/NDF:1494504.2/11

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

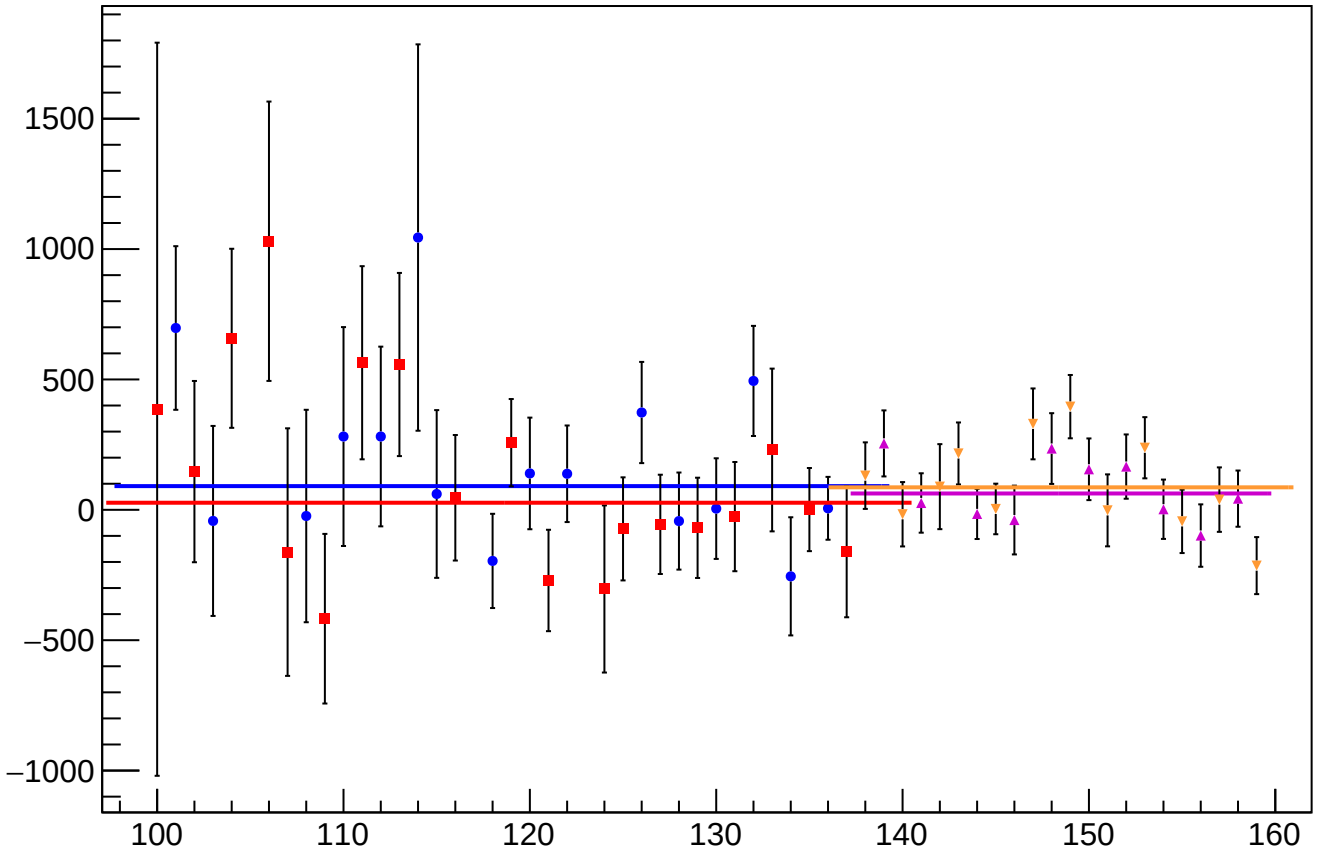
Left: 549.336+/-0.095 χ^2/NDF: 2838885.1/21

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 625.646+/-0.125 χ^2/NDF:6566699.8/25

Out: 652.161+/-0.127 χ^2/NDF:7185295.8/30

All: 638.756+/-0.089 χ^2/NDF: 13774131.5/56



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 86.218+/-35.229 χ^2/NDF:23.4/11

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 62.661+/-37.019 χ^2/NDF:8.7/9

Left: 75.023+/-25.520 χ^2/NDF: 32.3/21

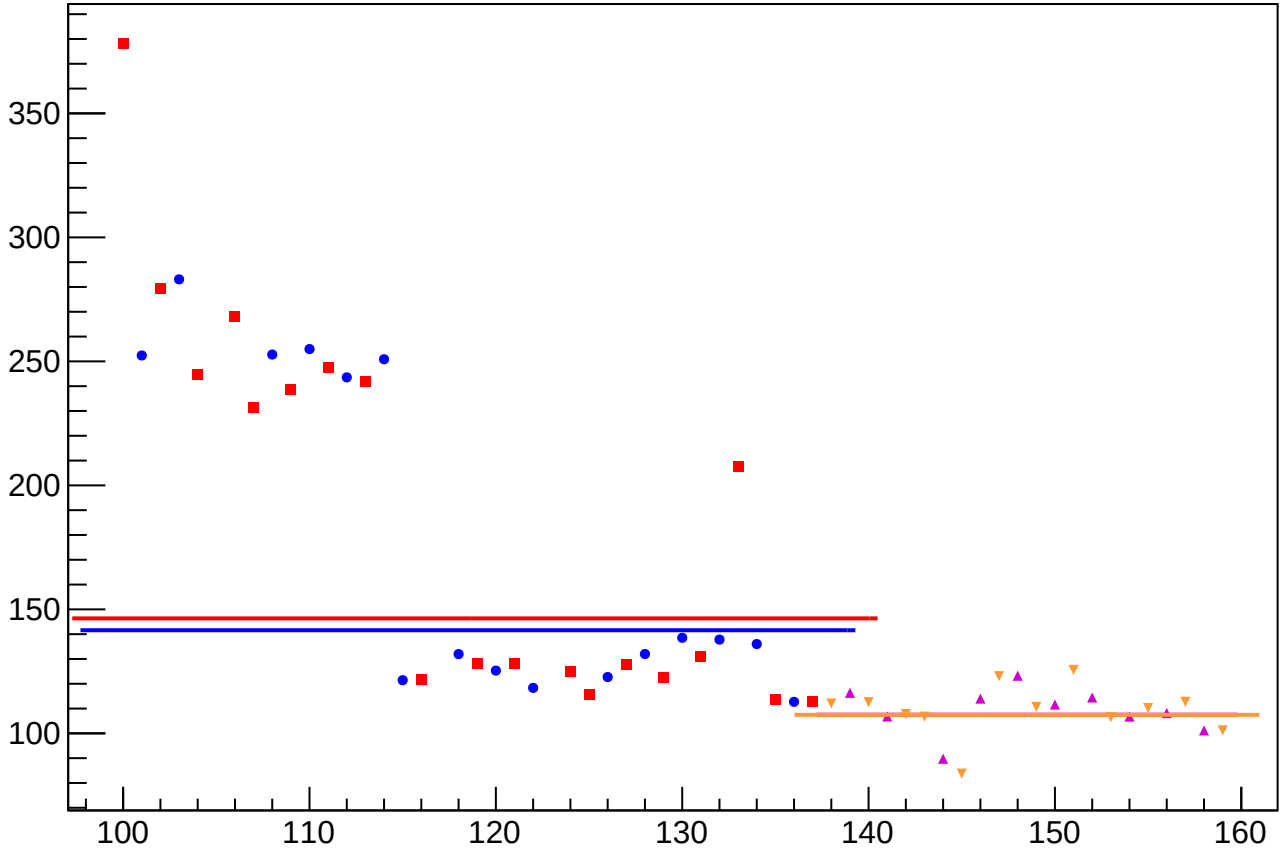
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 71.345+/-30.808 χ^2/NDF:27.0/25

Out: 69.903+/-29.970 χ^2/NDF:44.7/30

All: 70.604+/-21.482 χ^2/NDF: 71.7/56

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.484+/-0.025 χ^2/NDF:198977.6/11

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.525+/-0.026 χ^2/NDF:125380.0/9

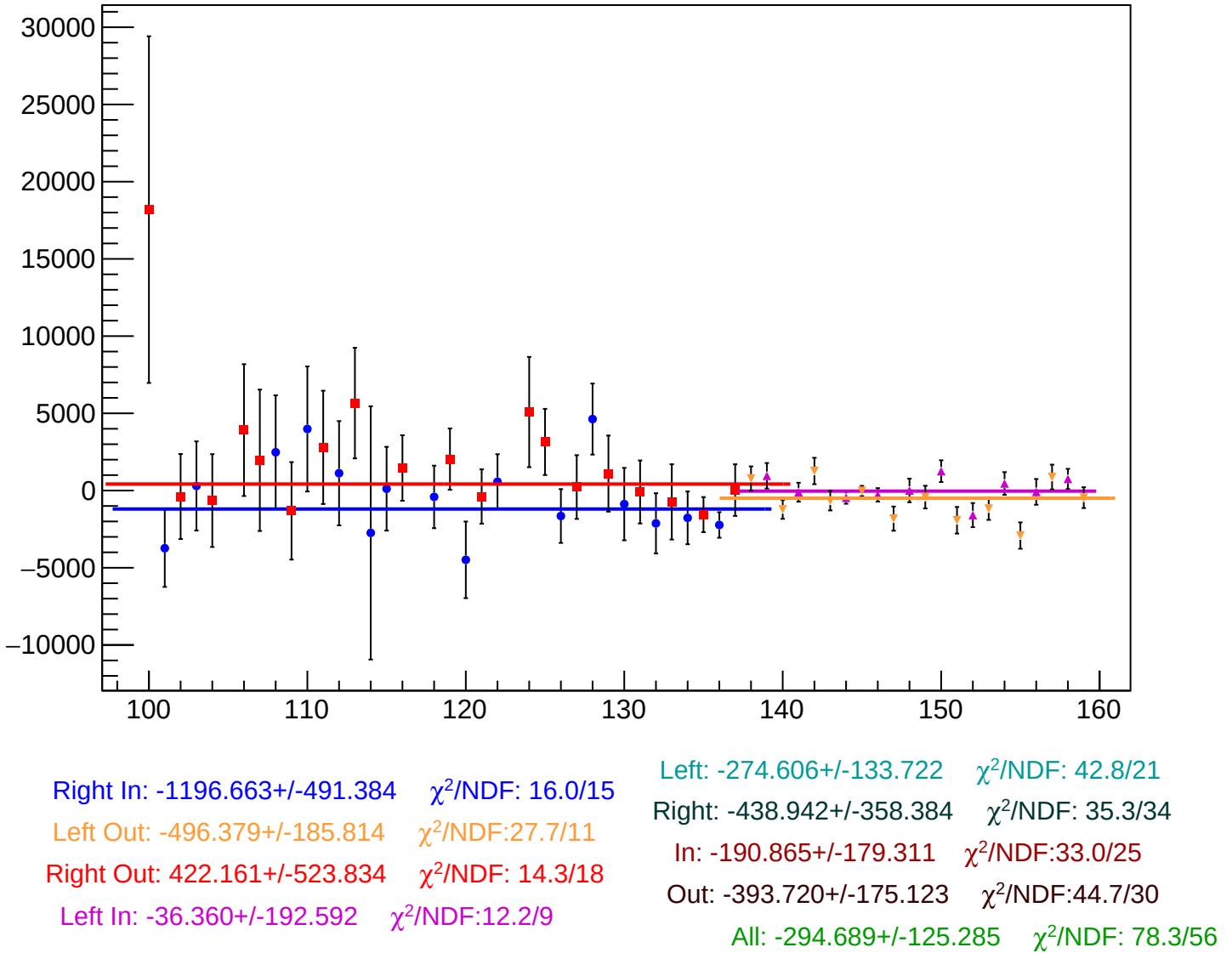
Left: 107.504+/-0.018 χ^2/NDF: 324359.0/21

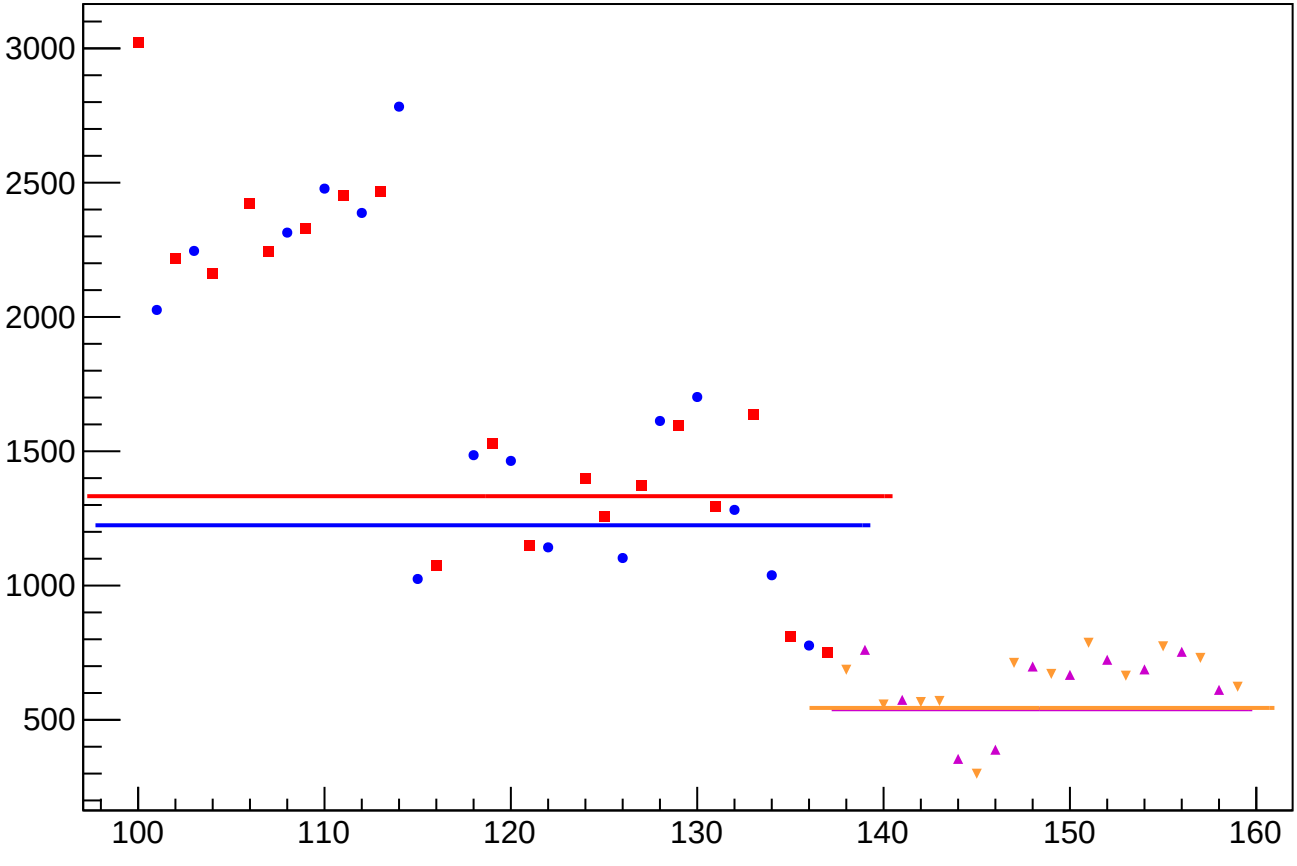
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 117.996+/-0.022 χ^2/NDF:1908251.8/25

Out: 118.228+/-0.021 χ^2/NDF:2385854.9/30

All: 118.115+/-0.015 χ^2/NDF: 4294165.0/56


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -496.379+/-185.814 χ²/NDF:27.7/11
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -36.360+/-192.592 χ²/NDF:12.2/9
Left: -274.606+/-133.722 χ²/NDF: 42.8/21
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -190.865+/-179.311 χ²/NDF:33.0/25
Out: -393.720+/-175.123 χ²/NDF:44.7/30
All: -294.689+/-125.285 χ²/NDF: 78.3/56



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 544.415+/-0.131 χ^2/NDF:1789879.3/11

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 539.533+/-0.136 χ^2/NDF:1337780.6/9

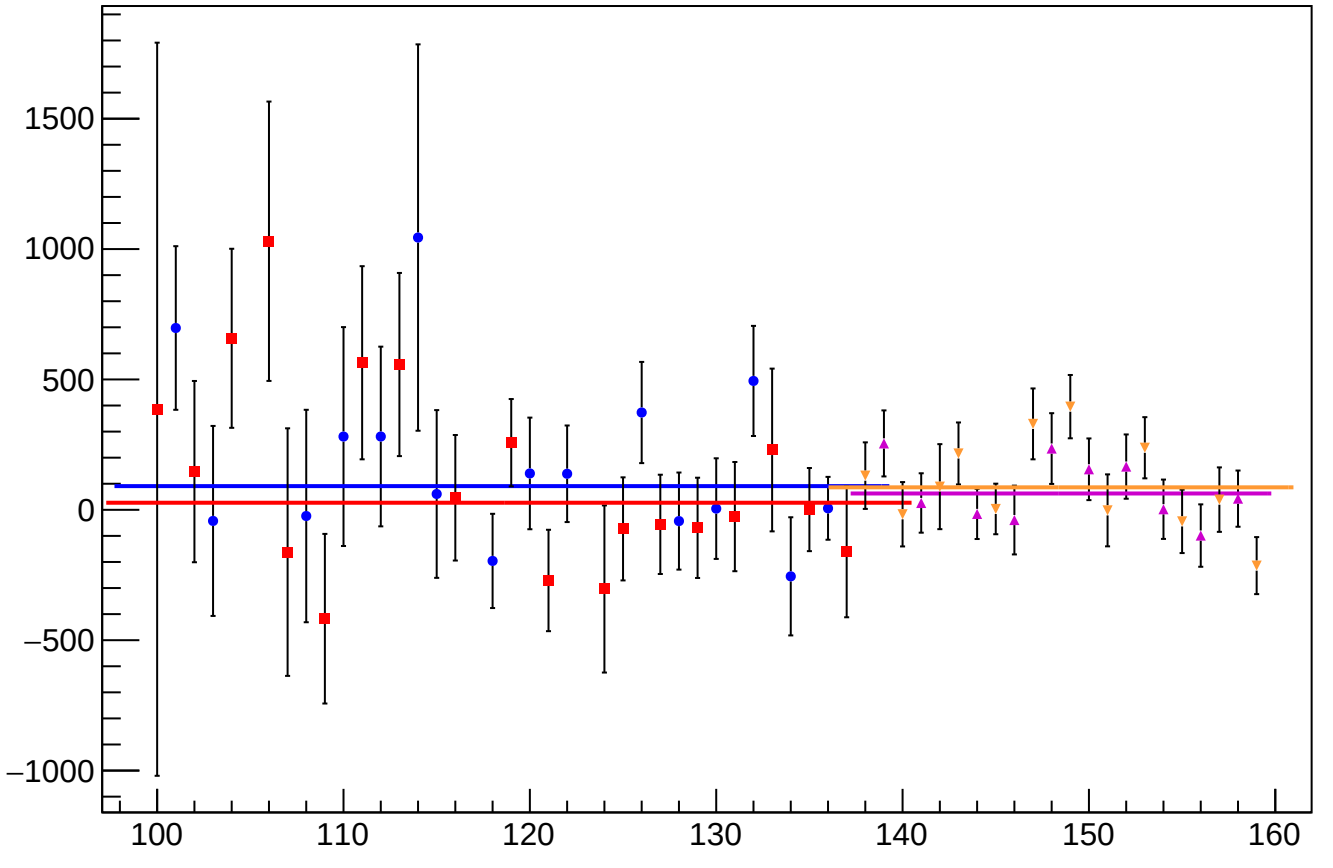
Left: 542.061+/-0.095 χ^2/NDF: 3128325.3/21

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 630.739+/-0.127 χ^2/NDF:6665577.0/25

Out: 632.526+/-0.124 χ^2/NDF:7808445.3/30

All: 631.654+/-0.089 χ^2/NDF: 14474124.0/56



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 86.218+/-35.230 χ^2/NDF:23.4/11

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 62.660+/-37.019 χ^2/NDF:8.7/9

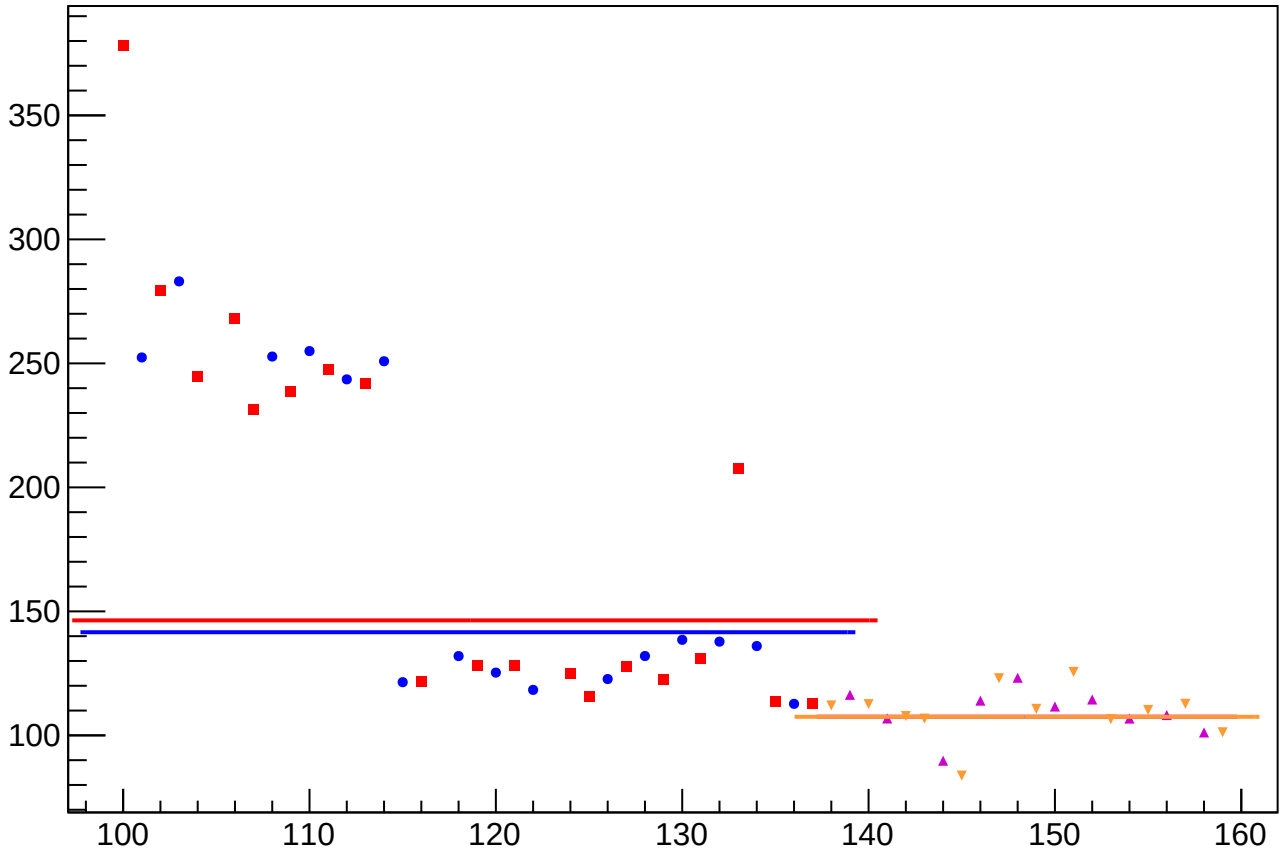
Left: 75.022+/-25.520 χ^2/NDF: 32.3/21

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 71.345+/-30.808 χ^2/NDF:27.0/25

Out: 69.903+/-29.970 χ^2/NDF:44.7/30

All: 70.604+/-21.482 χ^2/NDF: 71.7/56



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.484+/-0.025 χ^2/NDF:198970.4/11

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.525+/-0.026 χ^2/NDF:125378.7/9

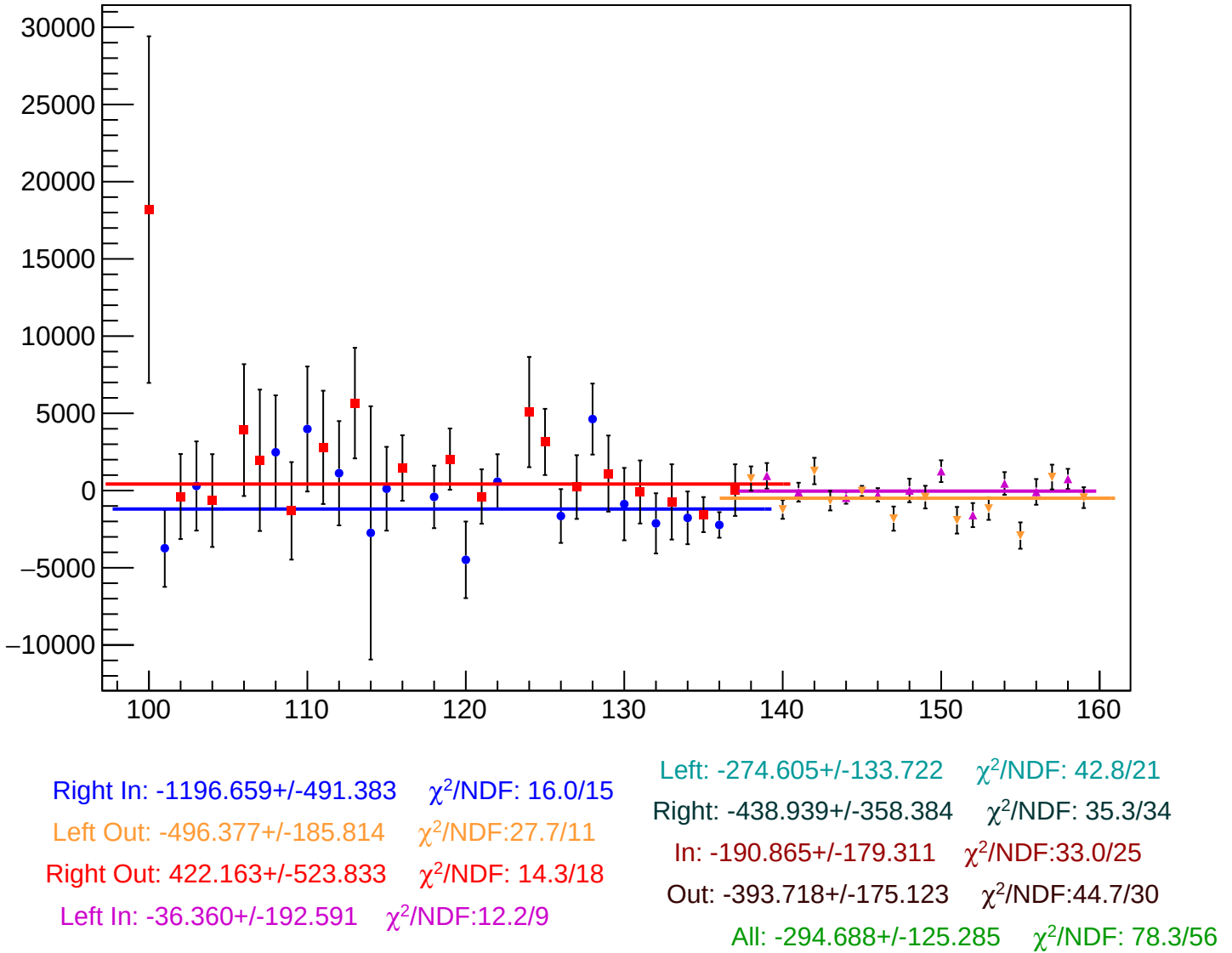
Left: 107.504+/-0.018 χ^2/NDF: 324350.4/21

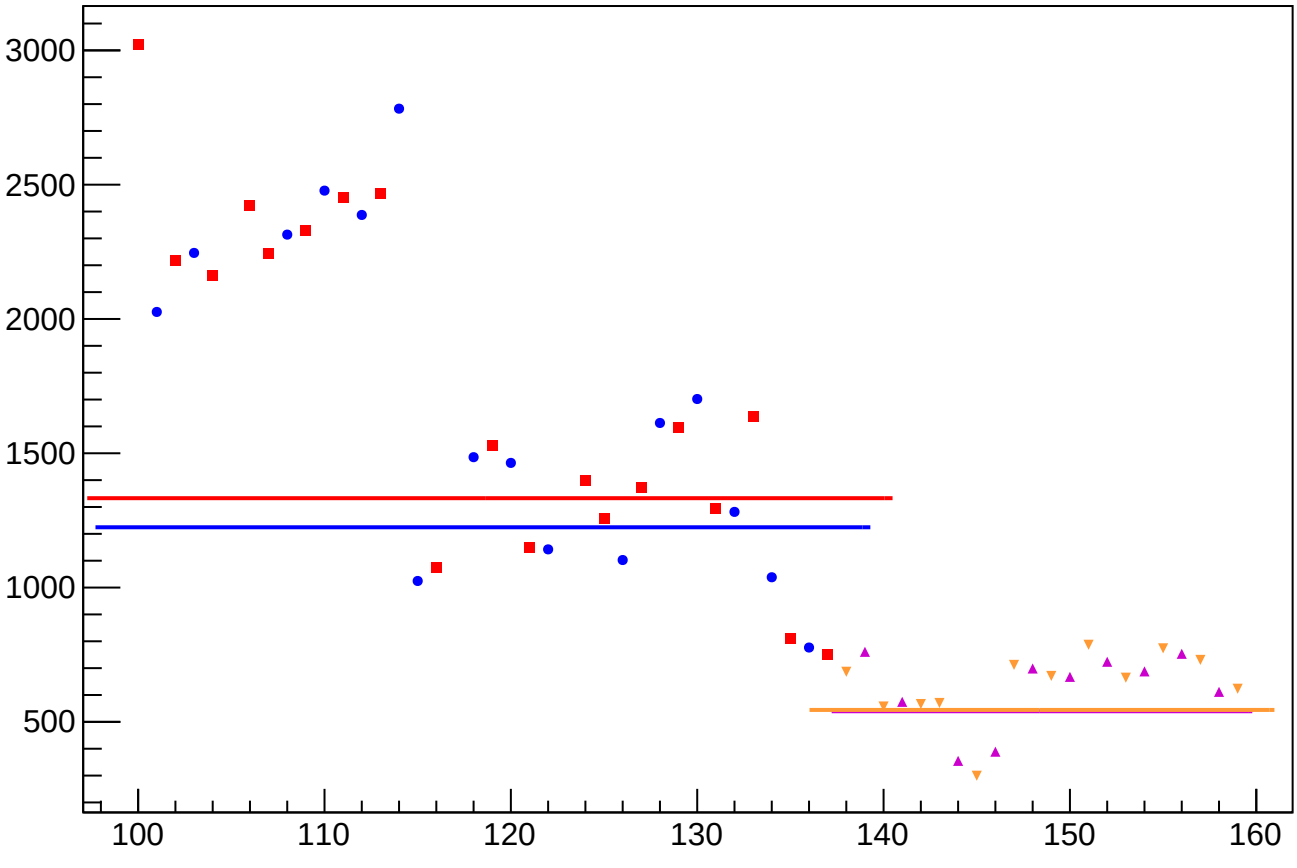
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

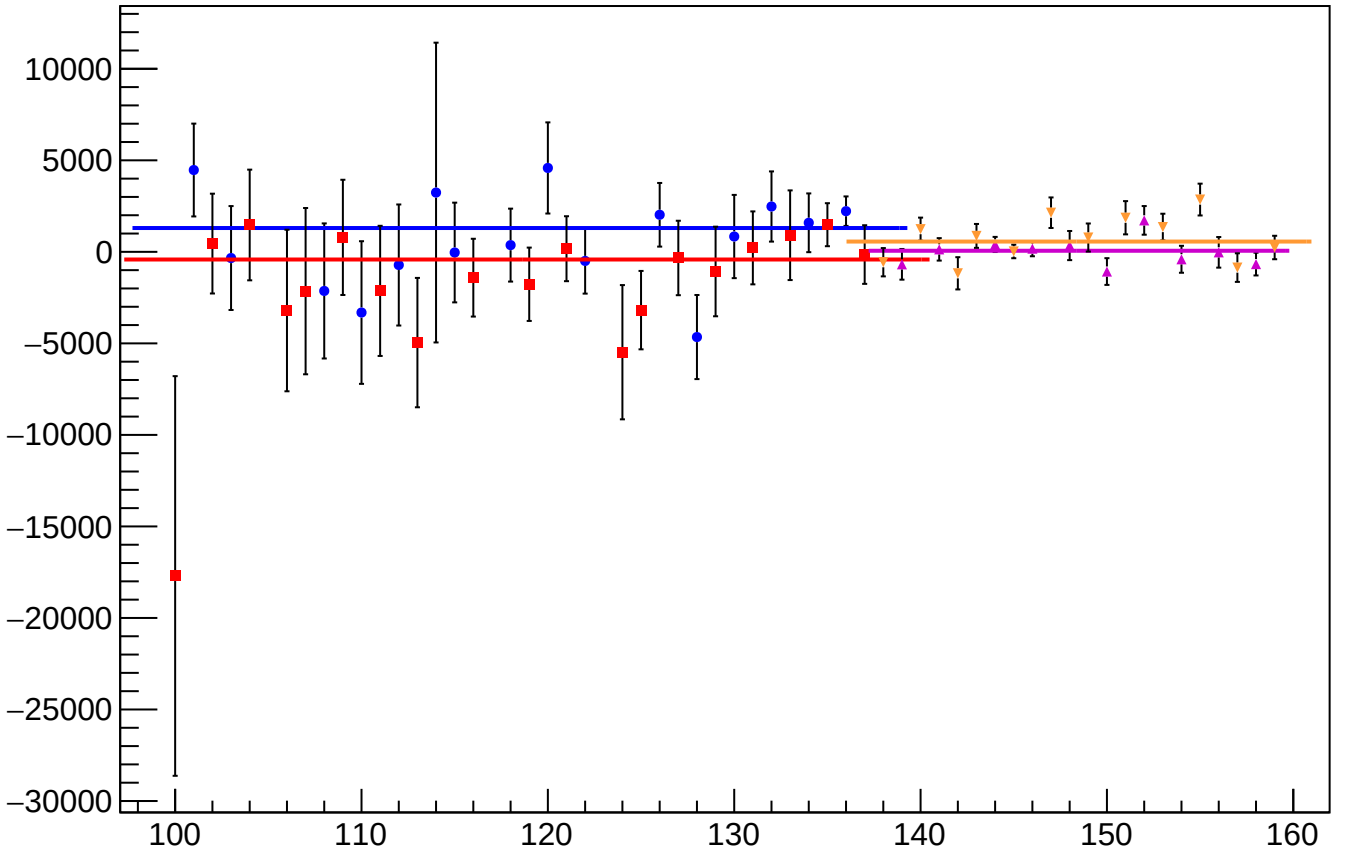
In: 117.996+/-0.022 χ^2/NDF:1908207.0/25

Out: 118.228+/-0.021 χ^2/NDF:2385809.5/30

All: 118.115+/-0.015 χ^2/NDF: 4294074.8/56


asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1196.659+/-491.383 χ²/NDF: 16.0/15
Left Out: -496.377+/-185.814 χ²/NDF:27.7/11
Right Out: 422.163+/-523.833 χ²/NDF: 14.3/18
Left In: -36.360+/-192.591 χ²/NDF:12.2/9
Left: -274.605+/-133.722 χ²/NDF: 42.8/21
Right: -438.939+/-358.384 χ²/NDF: 35.3/34
In: -190.865+/-179.311 χ²/NDF:33.0/25
Out: -393.718+/-175.123 χ²/NDF:44.7/30
All: -294.688+/-125.285 χ²/NDF: 78.3/56


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 544.413+/-0.131 χ²/NDF:1789925.5/11
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 539.532+/-0.136 χ²/NDF:1337797.5/9
Left: 542.060+/-0.095 χ²/NDF: 3128388.1/21
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 630.738+/-0.127 χ²/NDF:6665587.3/25
Out: 632.524+/-0.124 χ²/NDF:7808499.4/30
All: 631.652+/-0.089 χ²/NDF: 14474188.2/56



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 562.506+/-193.446 χ^2/NDF:26.9/11

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 59.271+/-193.626 χ^2/NDF:10.4/9

Left: 311.123+/-136.851 χ^2/NDF: 40.7/21

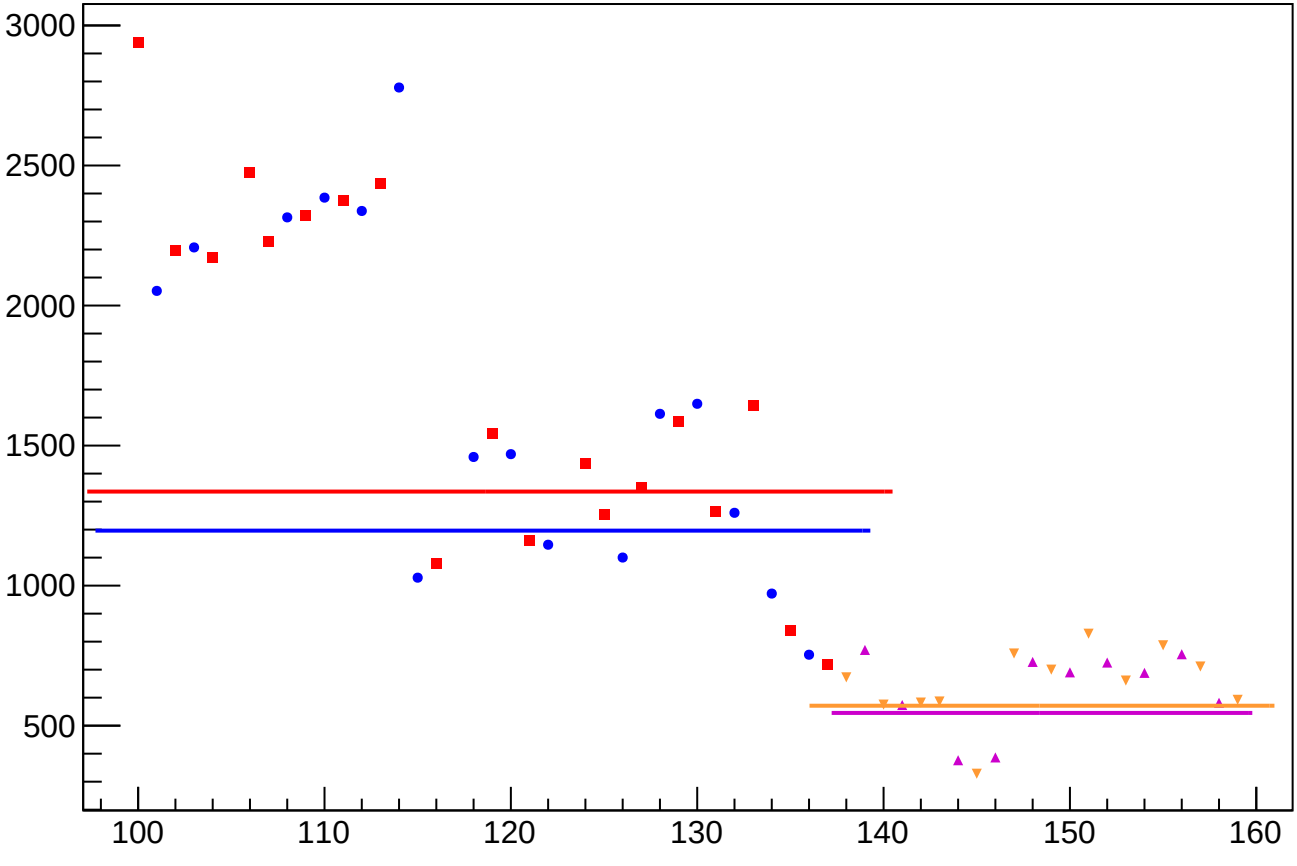
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 231.923+/-179.669 χ^2/NDF:32.6/25

Out: 445.072+/-181.496 χ^2/NDF:43.0/30

All: 337.419+/-127.686 χ^2/NDF: 76.3/56

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 571.197+/-0.137 χ^2/NDF:1429048.1/11

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 545.477+/-0.137 χ^2/NDF:1271063.6/9

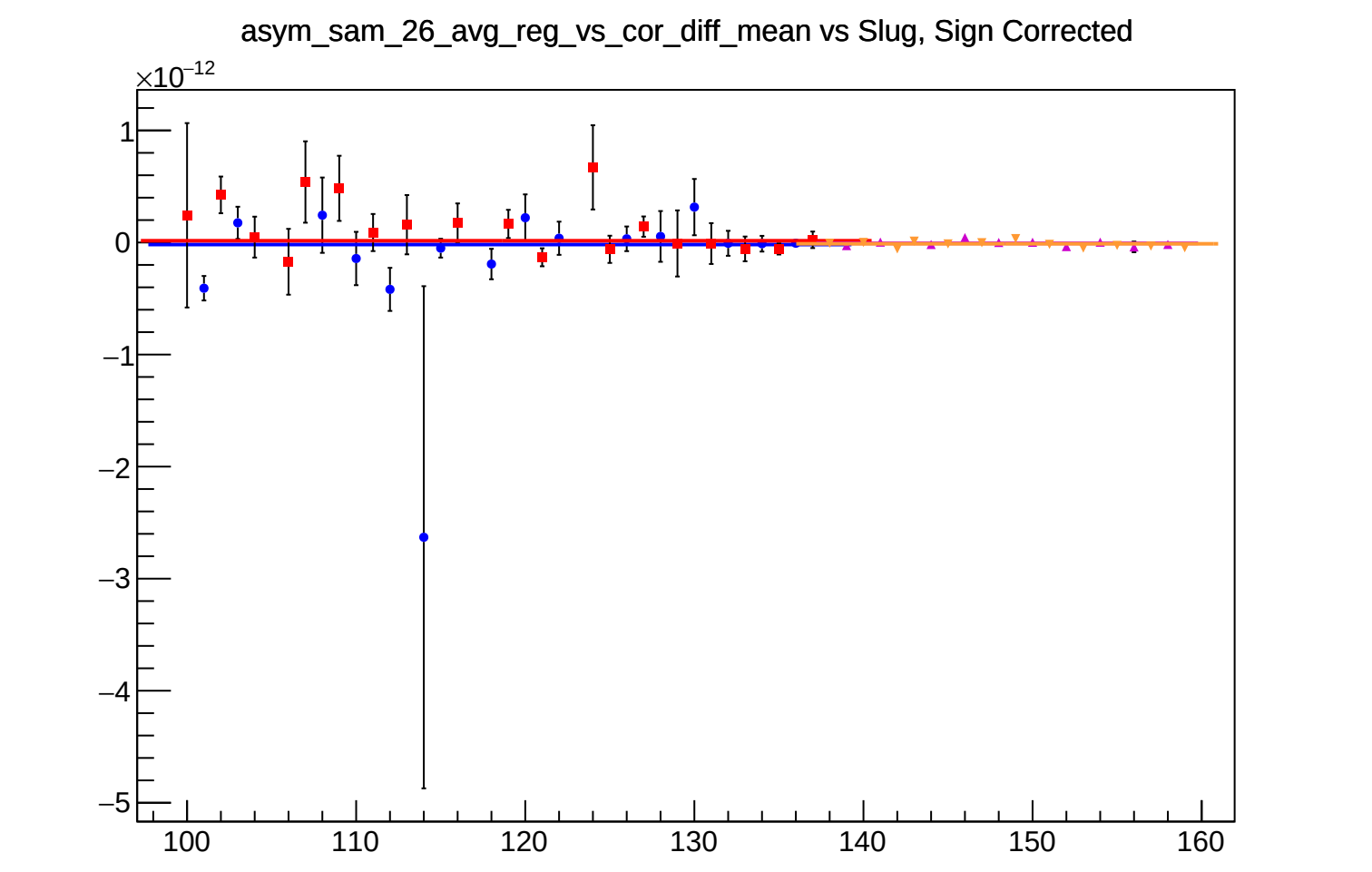
Left: 558.349+/-0.097 χ^2/NDF: 2717773.1/21

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 635.931+/-0.127 χ^2/NDF:6443454.2/25

Out: 662.748+/-0.128 χ^2/NDF:7121706.0/30

All: 649.203+/-0.090 χ^2/NDF: 13587212.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/9

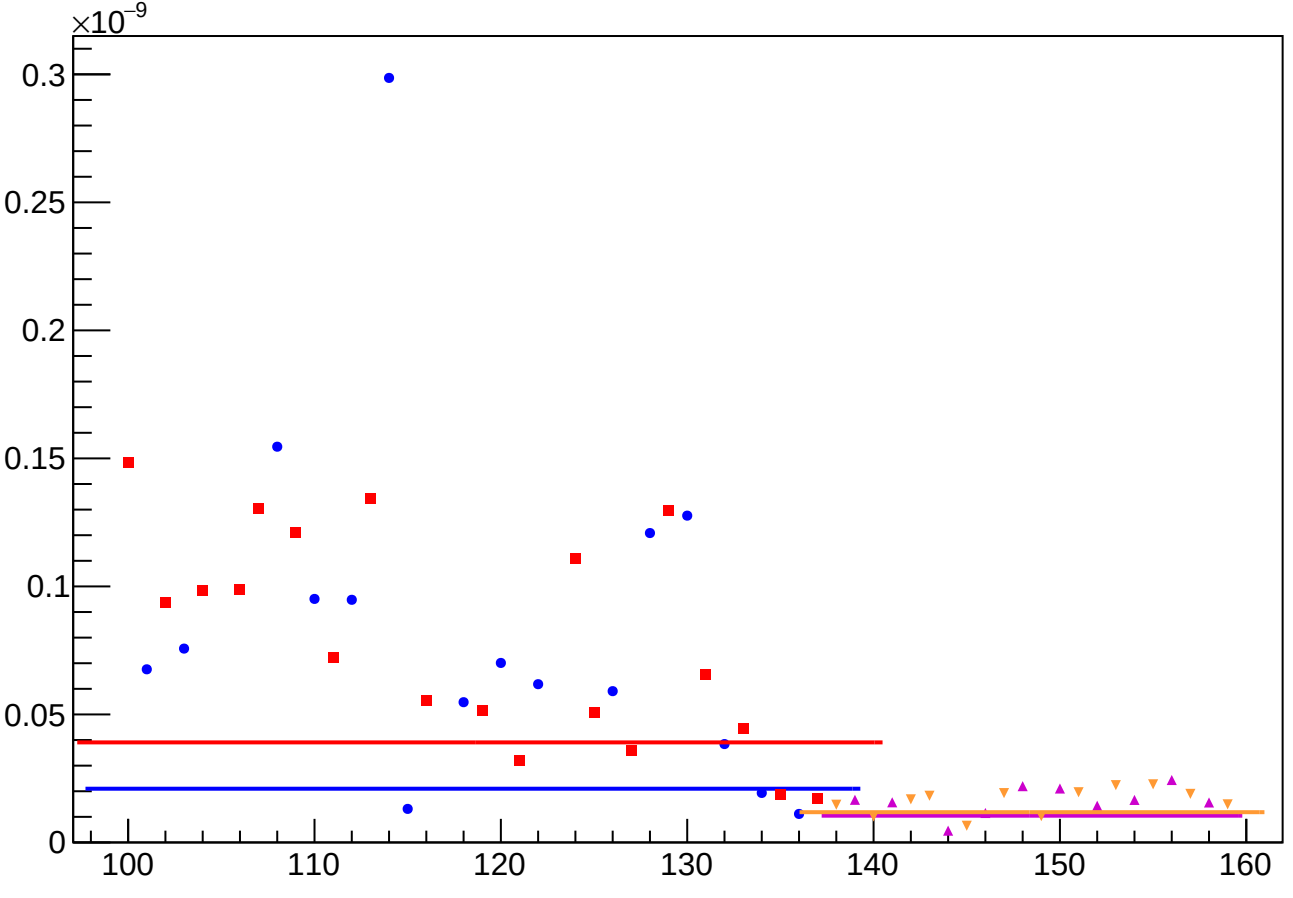
Left: -0.000+/-0.000 χ^2/NDF: 22.1/21

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:38.6/25

Out: -0.000+/-0.000 χ^2/NDF:36.9/30

All: -0.000+/-0.000 χ^2/NDF: 75.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336813.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1732431.6/9

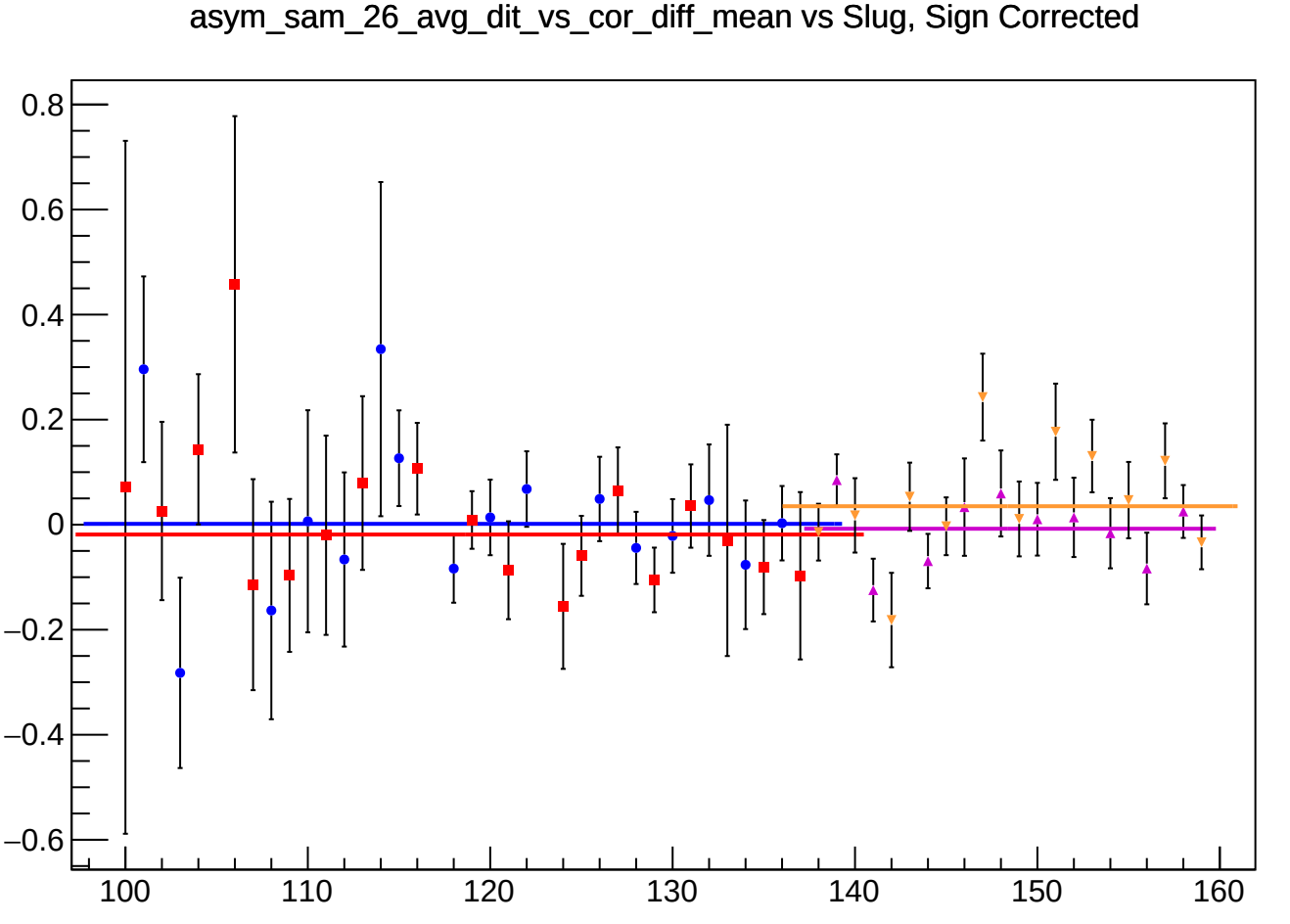
Left: 0.000+/-0.000 χ^2/NDF: 3111763.8/21

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

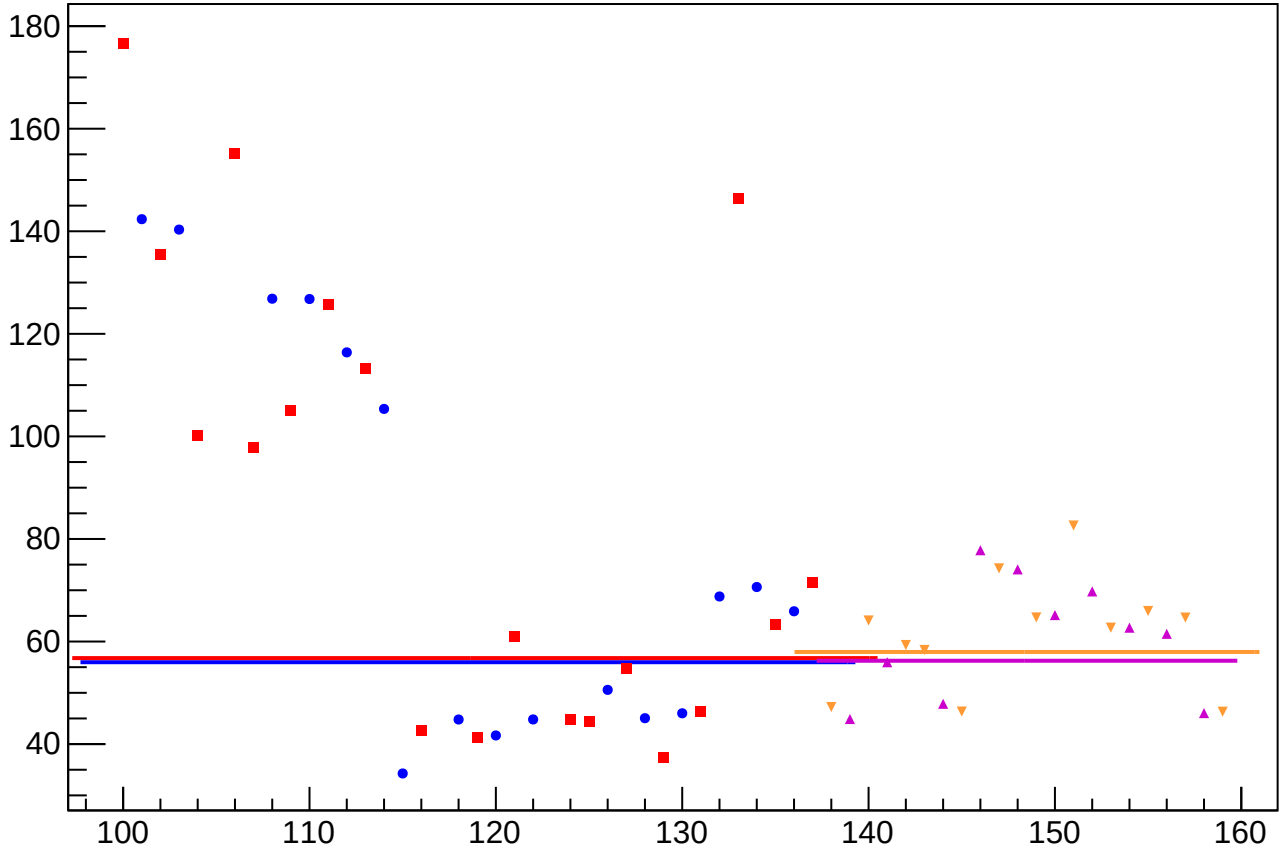
In: 0.000+/-0.000 χ^2/NDF:5727860.9/25

Out: 0.000+/-0.000 χ^2/NDF:5258146.1/30

All: 0.000+/-0.000 χ^2/NDF: 11047727.9/56


asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.035+/-0.019 χ²/NDF:21.3/11
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.008+/-0.020 χ²/NDF:11.5/9
Left: 0.014+/-0.014 χ²/NDF: 35.2/21
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.004+/-0.015 χ²/NDF:24.7/25
Out: 0.013+/-0.015 χ²/NDF:37.5/30
All: 0.005+/-0.011 χ²/NDF: 62.9/56

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.966+/-0.014 χ^2/NDF:579038.4/11

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

Left: 57.129+/-0.010 χ^2/NDF: 1159391.3/21

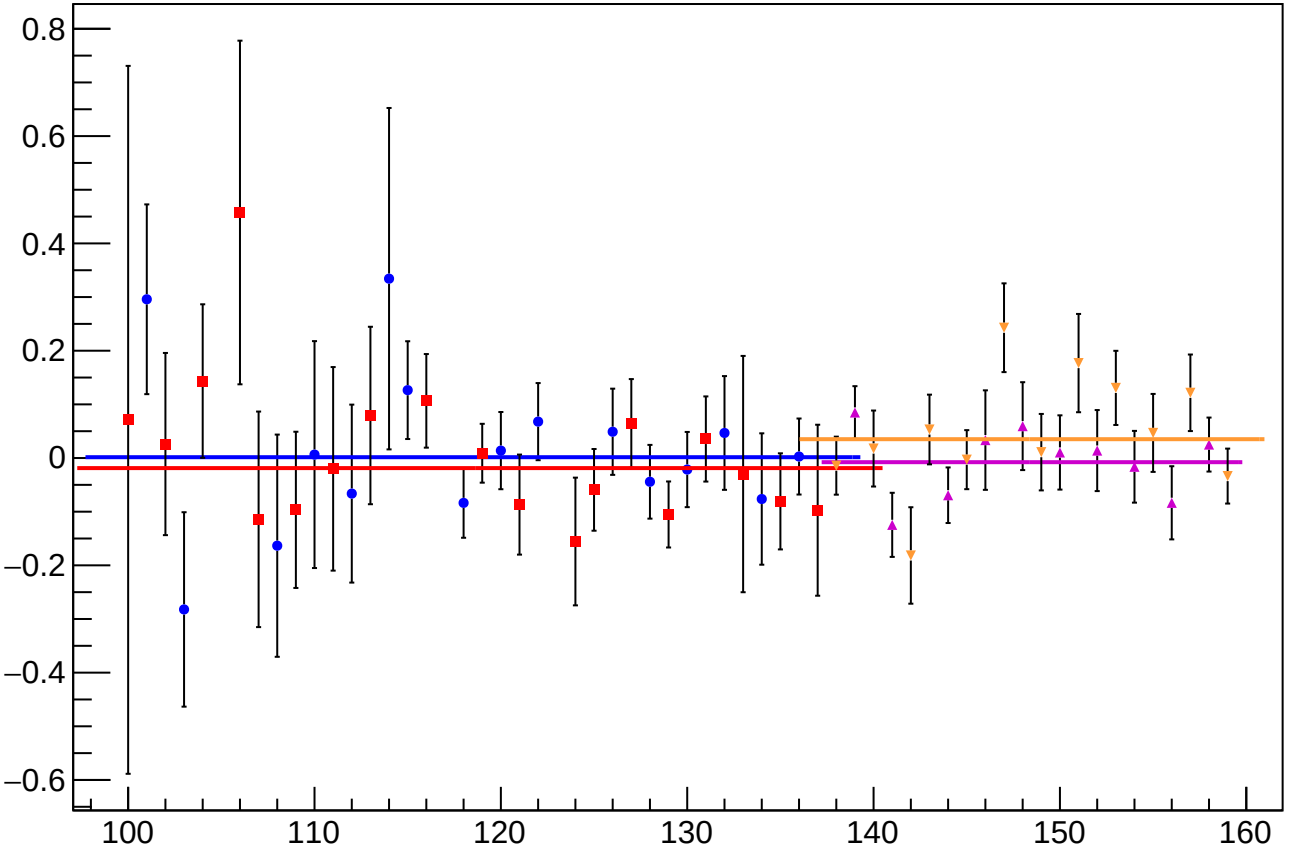
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.134+/-0.011 χ^2/NDF:2752694.3/25

Out: 57.484+/-0.011 χ^2/NDF:3135346.5/30

All: 56.817+/-0.008 χ^2/NDF: 5896098.2/56

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: 0.035+/-0.019 χ^2/NDF:21.3/11

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.008+/-0.020 χ^2/NDF:11.5/9

Left: 0.014+/-0.014 χ^2/NDF: 35.2/21

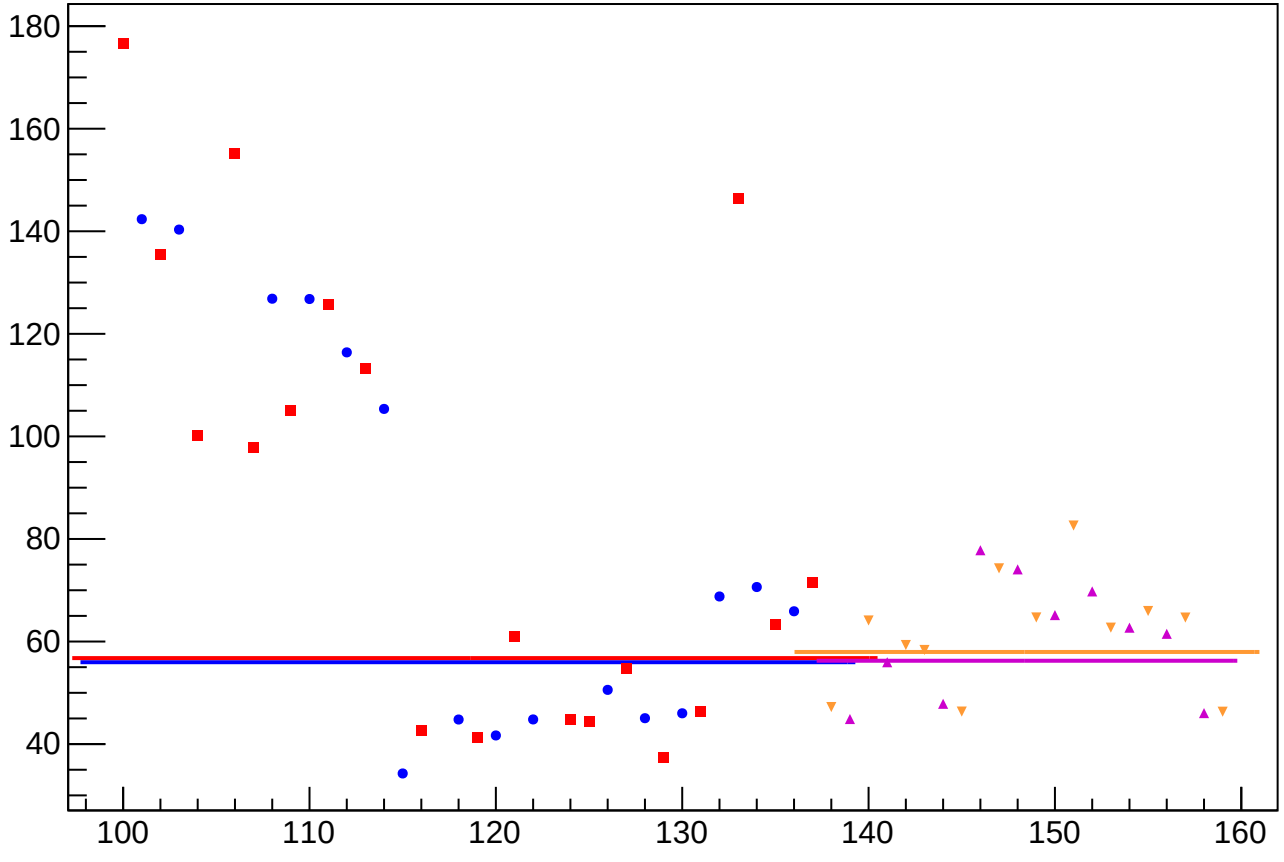
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.015 χ^2/NDF:24.7/25

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.005+/-0.011 χ^2/NDF: 62.9/56

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: 57.966+/-0.014 χ^2/NDF:579038.4/11

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

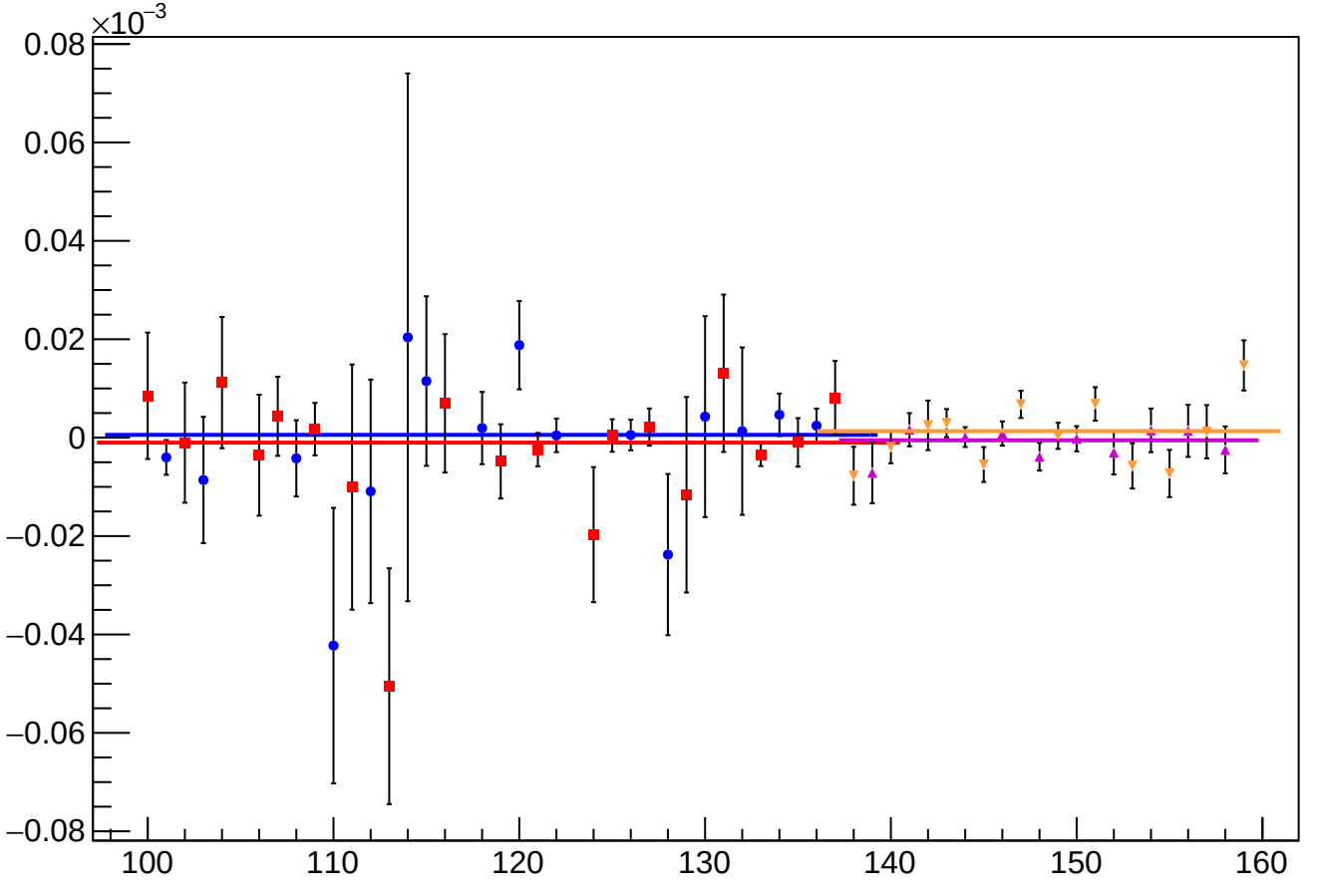
Left: 57.129+/-0.010 χ^2/NDF: 1159391.3/21

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.134+/-0.011 χ^2/NDF:2752694.3/25

Out: 57.484+/-0.011 χ^2/NDF:3135346.5/30

All: 56.817+/-0.008 χ^2/NDF: 5896098.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/9

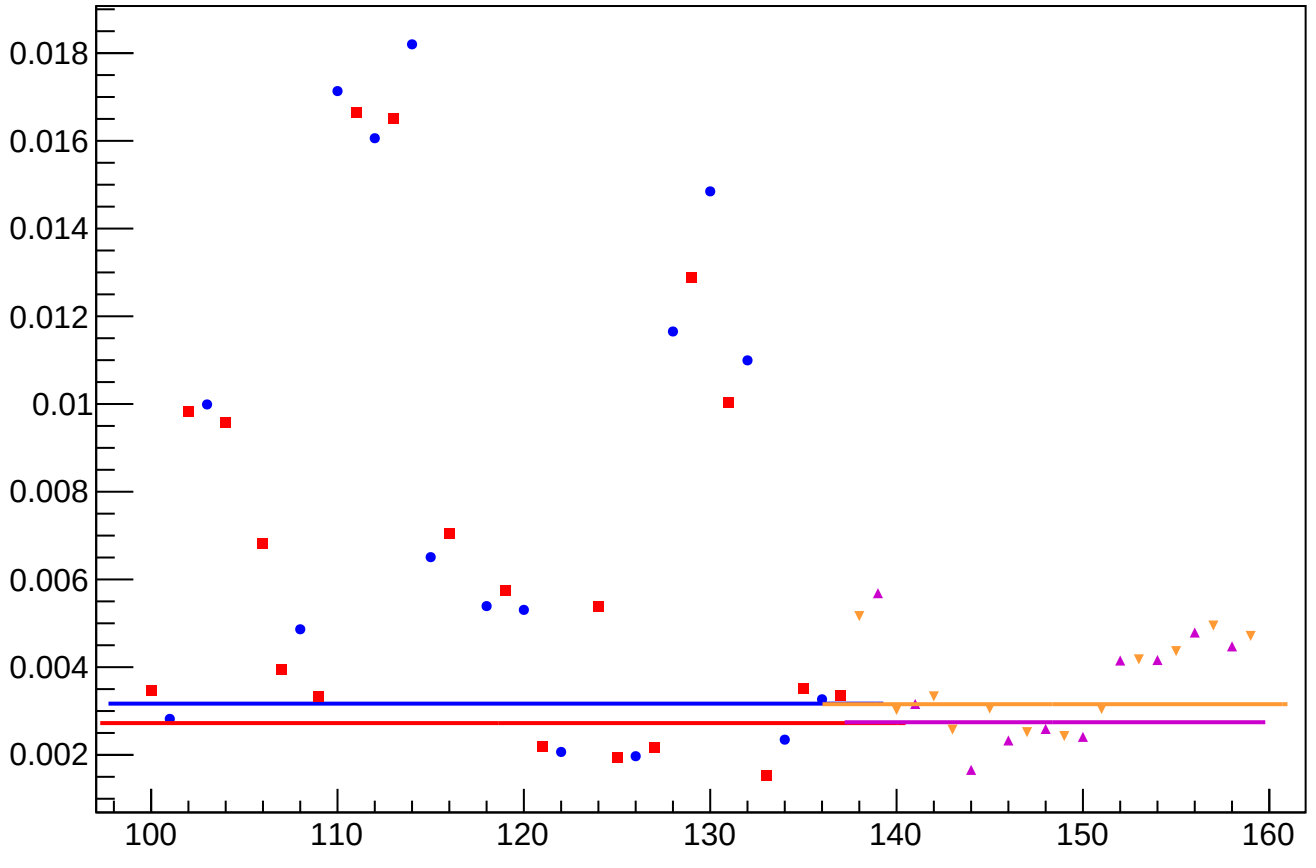
Left: 0.000+/-0.000 χ^2/NDF: 32.2/21

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.9/25

Out: 0.000+/-0.000 χ^2/NDF:42.2/30

All: 0.000+/-0.000 χ^2/NDF: 60.3/56



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1210242.1/11

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2125027.1/9

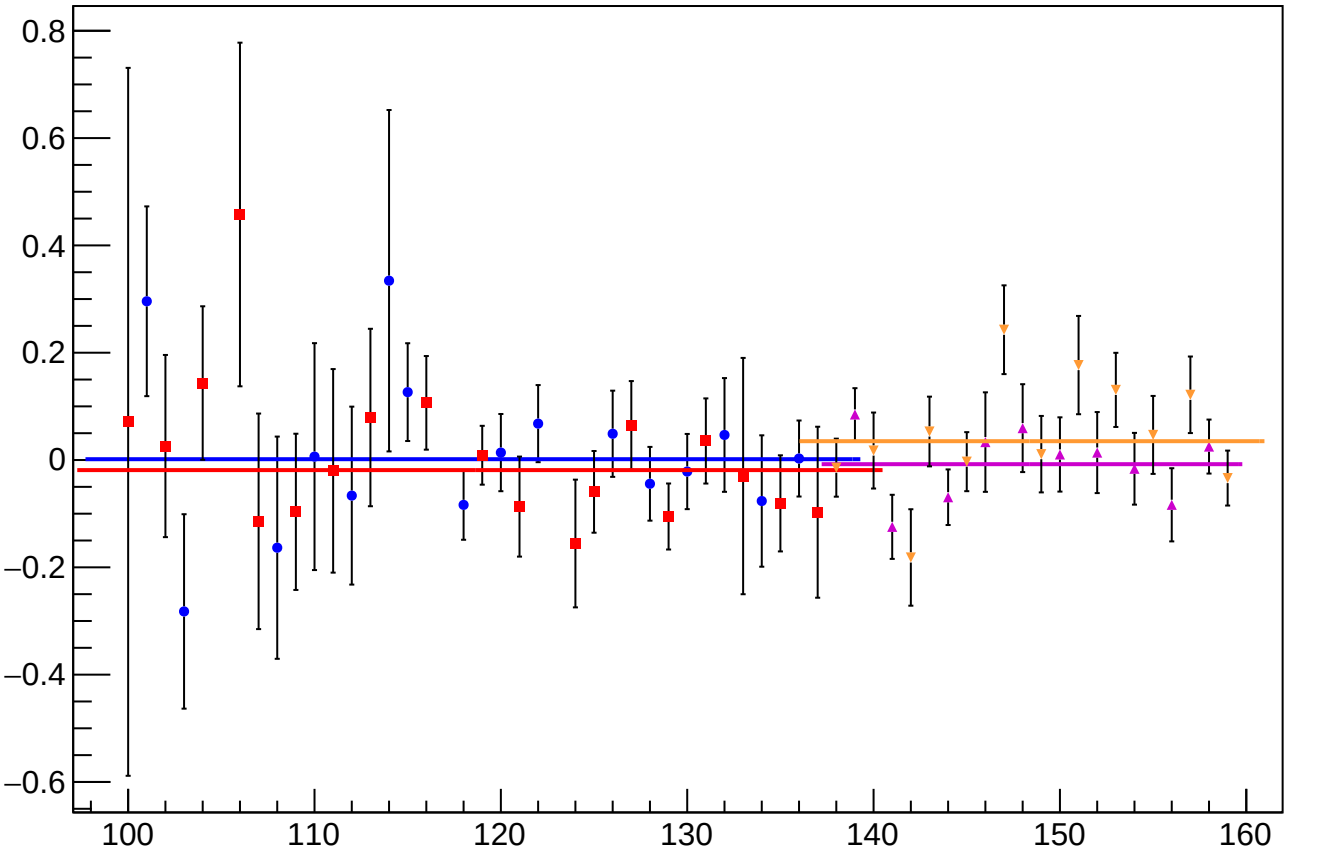
Left: 0.003+/-0.000 χ^2/NDF: 3492602.6/21

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:6786224.6/25

Out: 0.003+/-0.000 χ^2/NDF:6498214.4/30

All: 0.003+/-0.000 χ^2/NDF: 13297941.9/56



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.035+/-0.019 χ^2/NDF:21.3/11

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.008+/-0.020 χ^2/NDF:11.5/9

Left: 0.014+/-0.014 χ^2/NDF: 35.2/21

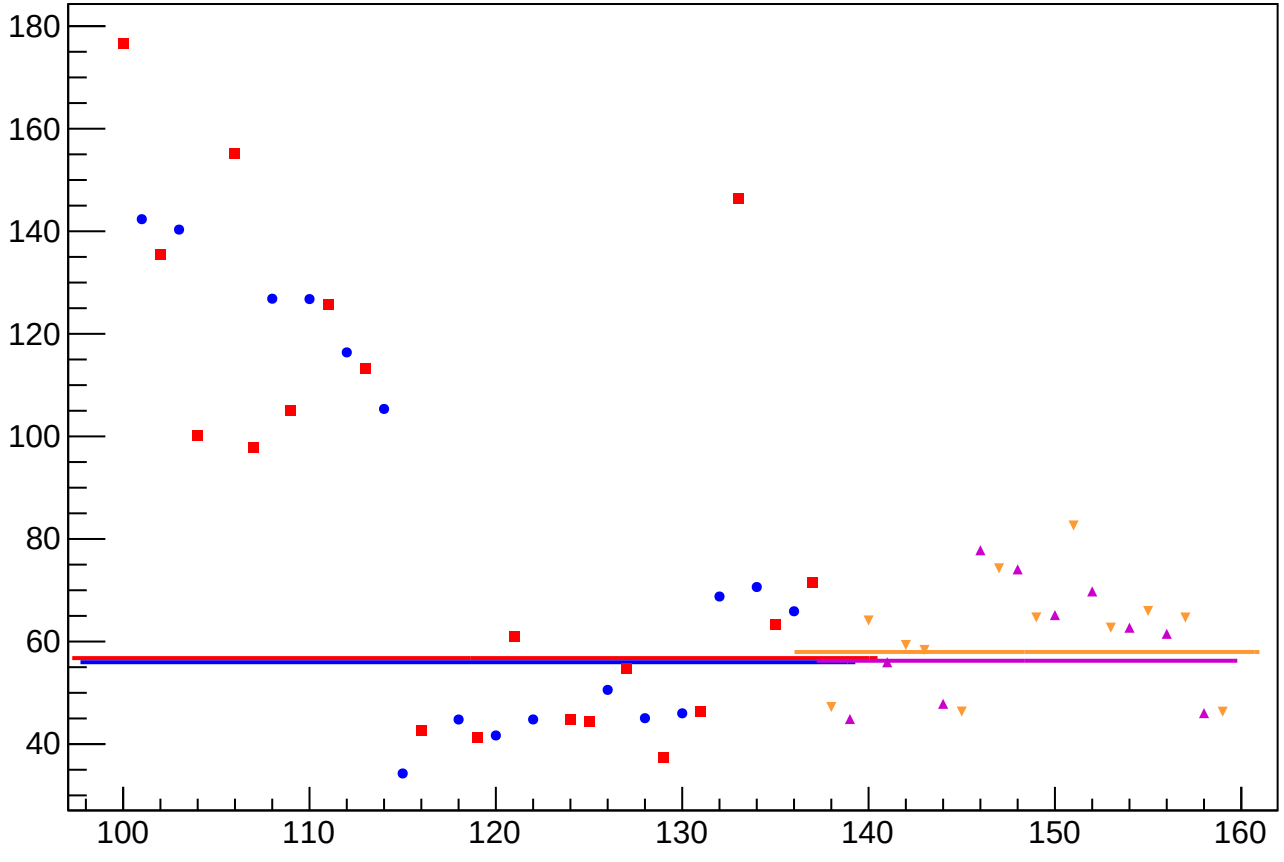
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.015 χ^2/NDF:24.7/25

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.005+/-0.011 χ^2/NDF: 62.9/56

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: 57.967+/-0.014 χ^2/NDF:579034.0/11

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

Left: 57.130+/-0.010 χ^2/NDF: 1159386.9/21

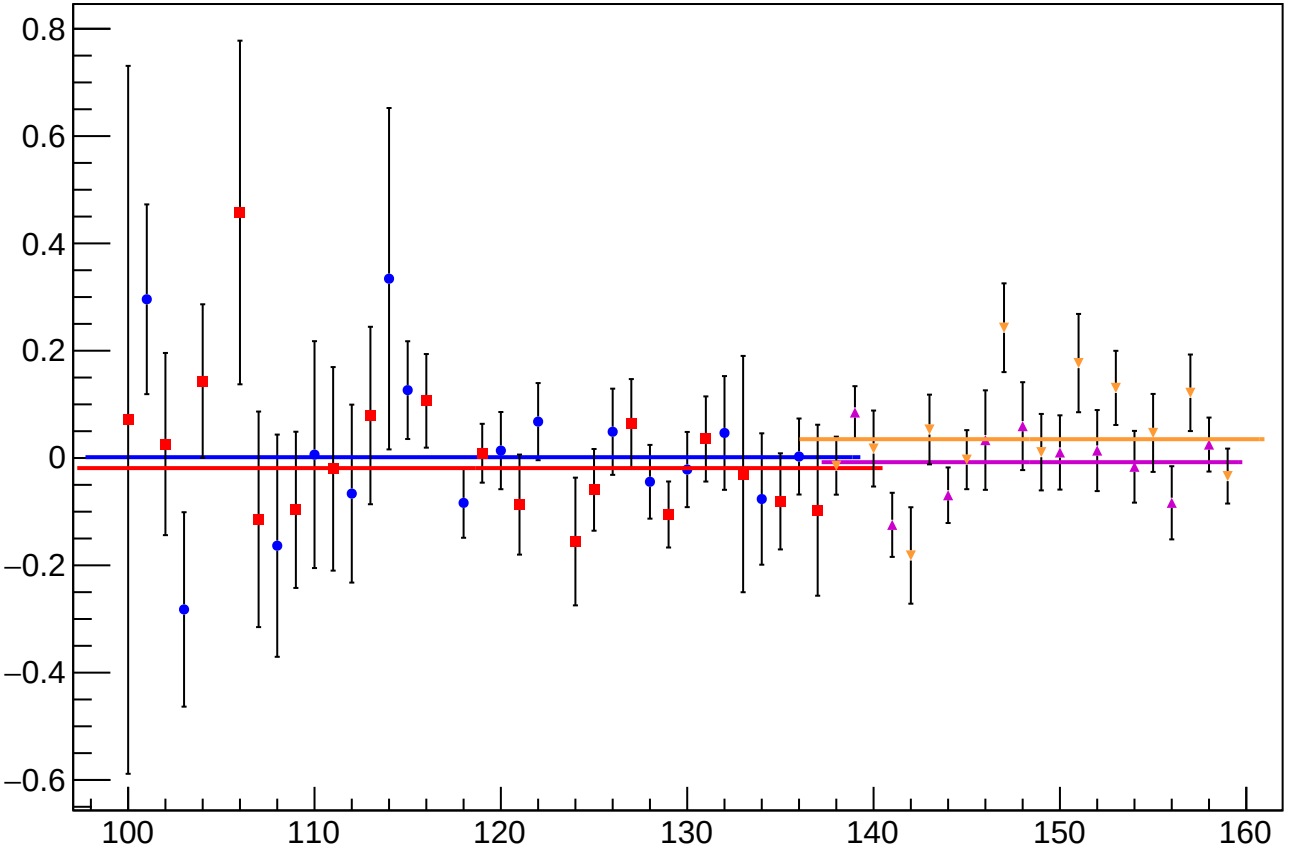
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.135+/-0.011 χ^2/NDF:2752622.9/25

Out: 57.484+/-0.011 χ^2/NDF:3135292.3/30

All: 56.817+/-0.008 χ^2/NDF: 5895972.2/56

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: 0.035+/-0.019 χ^2/NDF:21.3/11

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.008+/-0.020 χ^2/NDF:11.5/9

Left: 0.014+/-0.014 χ^2/NDF: 35.2/21

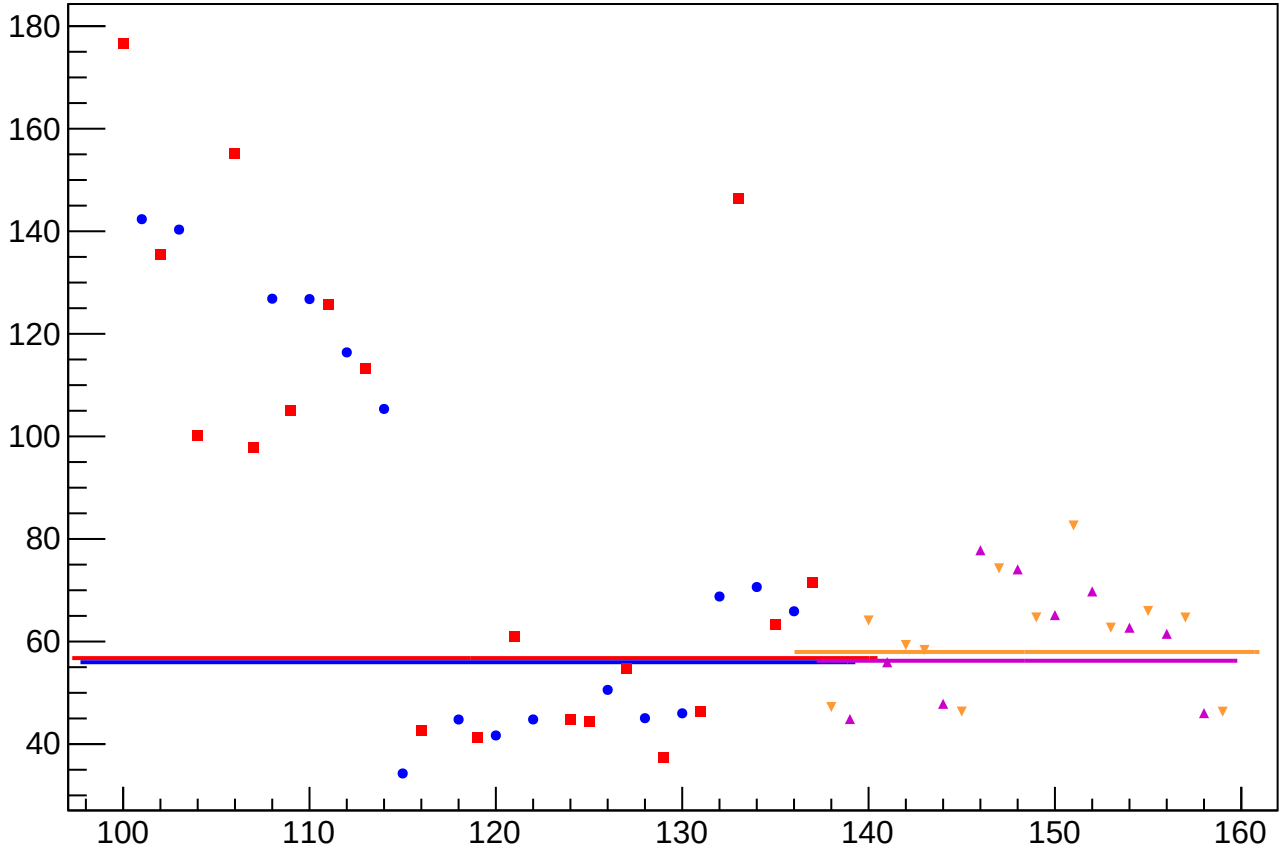
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.015 χ^2/NDF:24.7/25

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.005+/-0.011 χ^2/NDF: 62.9/56

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.967+/-0.014 χ^2/NDF:579034.0/11

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

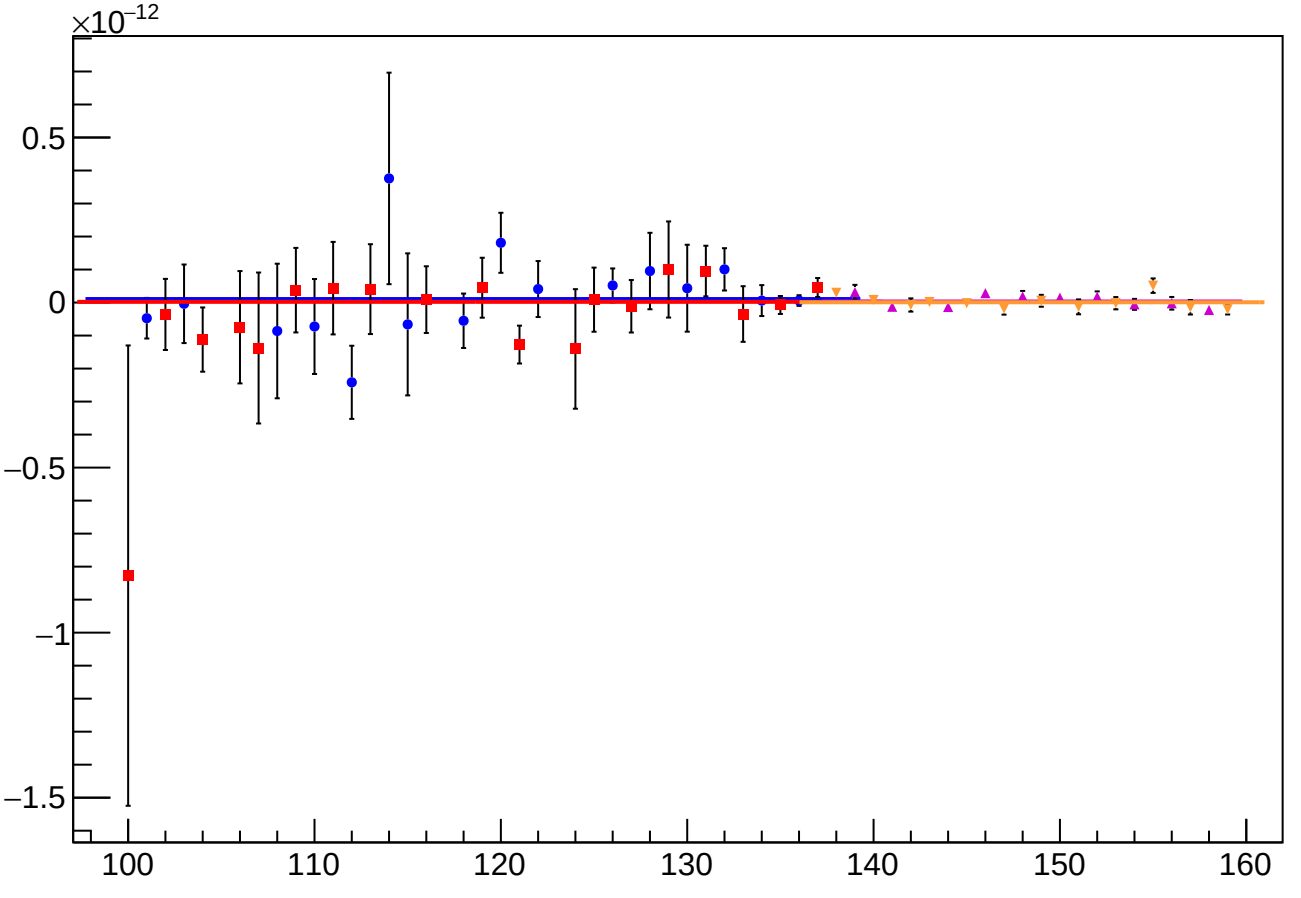
Left: 57.130+/-0.010 χ^2/NDF: 1159386.9/21

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.135+/-0.011 χ^2/NDF:2752622.9/25

Out: 57.484+/-0.011 χ^2/NDF:3135292.3/30

All: 56.817+/-0.008 χ^2/NDF: 5895972.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/11

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

Left In: 0.000+/-0.000 χ^2/NDF:24.6/9

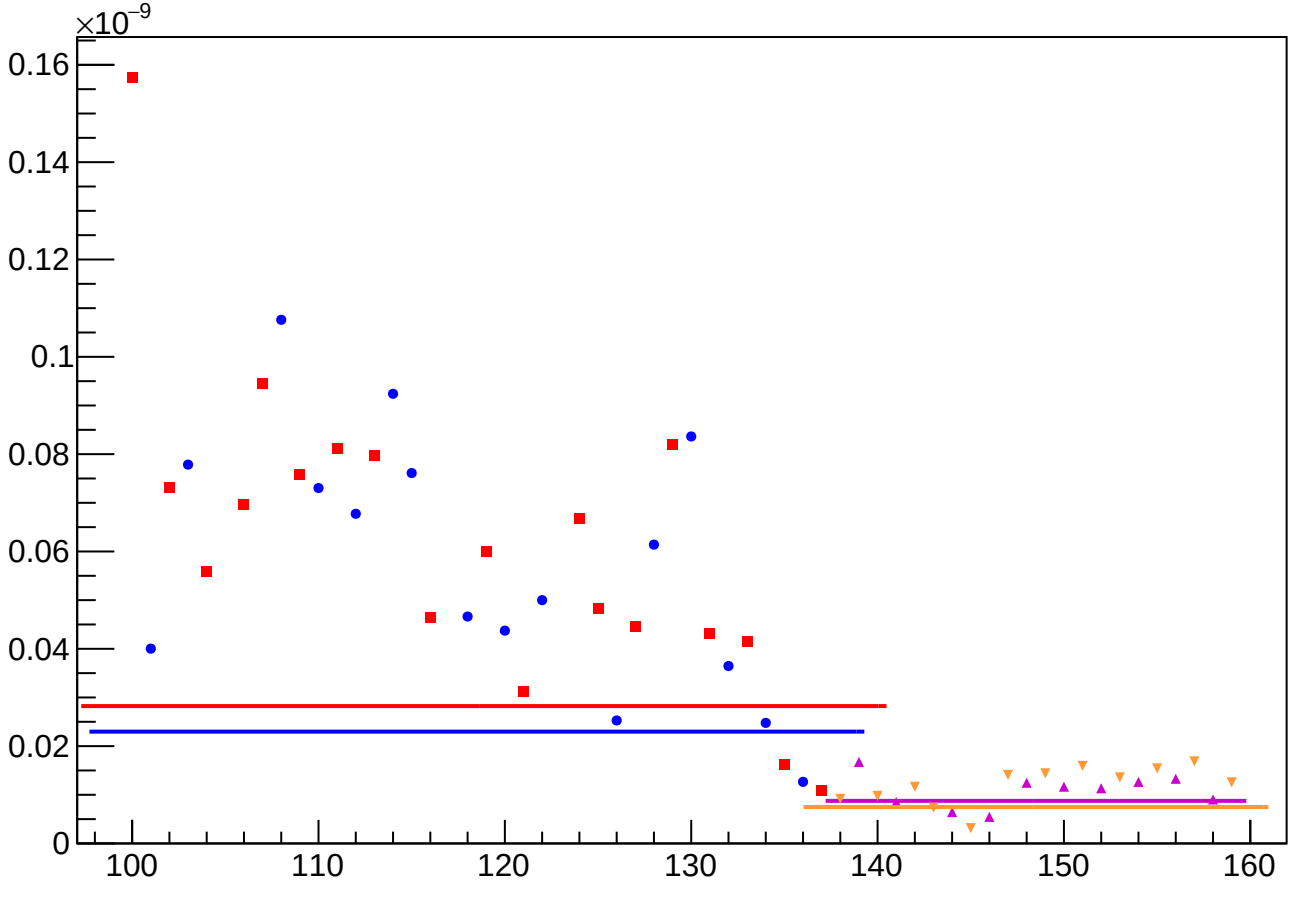
Left: 0.000+/-0.000 χ^2/NDF: 39.5/21

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:40.6/25

Out: 0.000+/-0.000 χ^2/NDF:29.0/30

All: 0.000+/-0.000 χ^2/NDF: 69.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3528611.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1185818.3/9

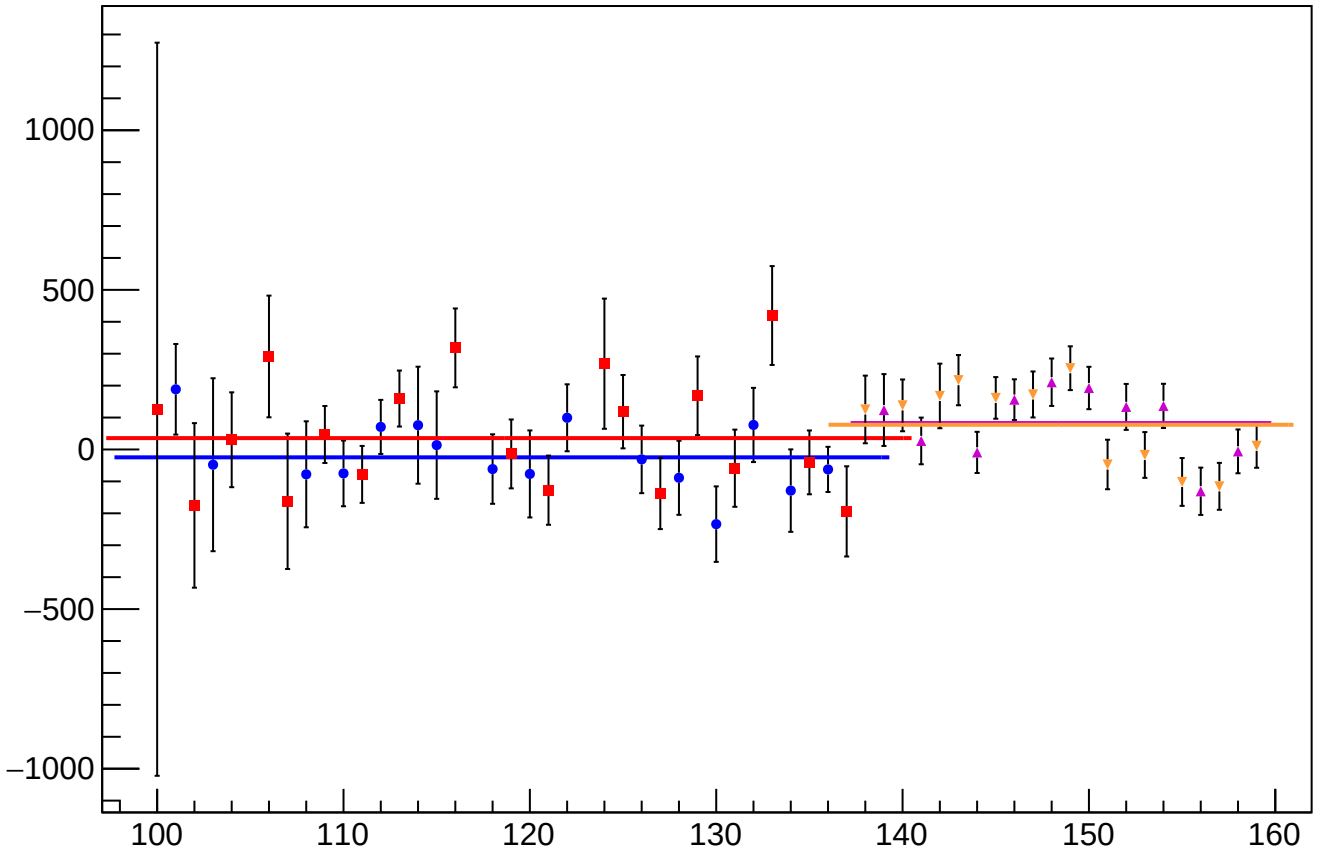
Left: 0.000+/-0.000 χ^2/NDF: 4831462.1/21

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7122907.9/25

Out: 0.000+/-0.000 χ^2/NDF:10757773.8/30

All: 0.000+/-0.000 χ^2/NDF: 18048941.2/56



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.393+/-21.945 χ^2/NDF:32.6/11

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 82.763+/-22.603 χ^2/NDF:20.9/9

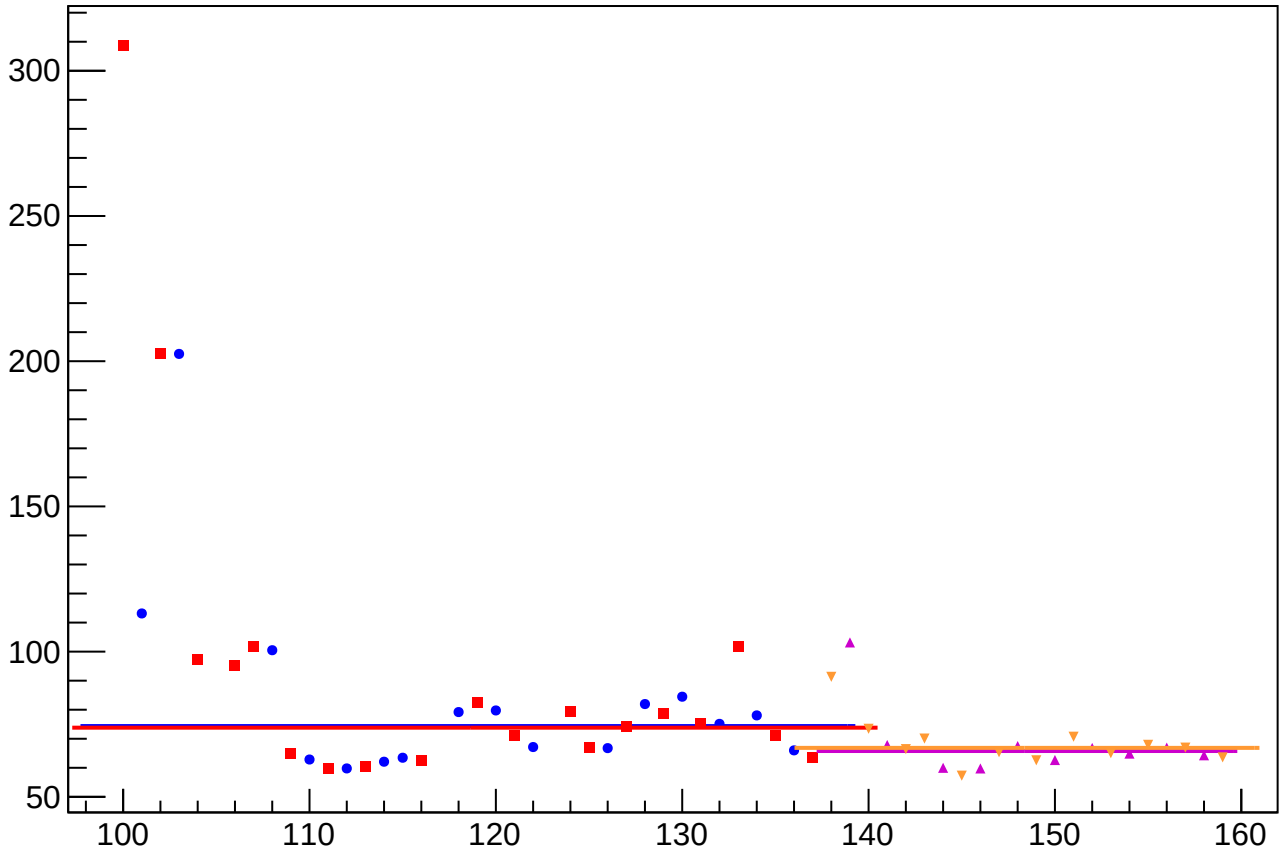
Left: 79.998+/-15.745 χ^2/NDF: 53.5/21

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 42.025+/-17.807 χ^2/NDF:40.4/25

Out: 61.798+/-17.377 χ^2/NDF:64.1/30

All: 52.153+/-12.437 χ^2/NDF: 105.2/56



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.859+/-0.016 χ^2/NDF:185958.0/11

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.6/9

Left: 66.335+/-0.011 χ^2/NDF: 452175.3/21

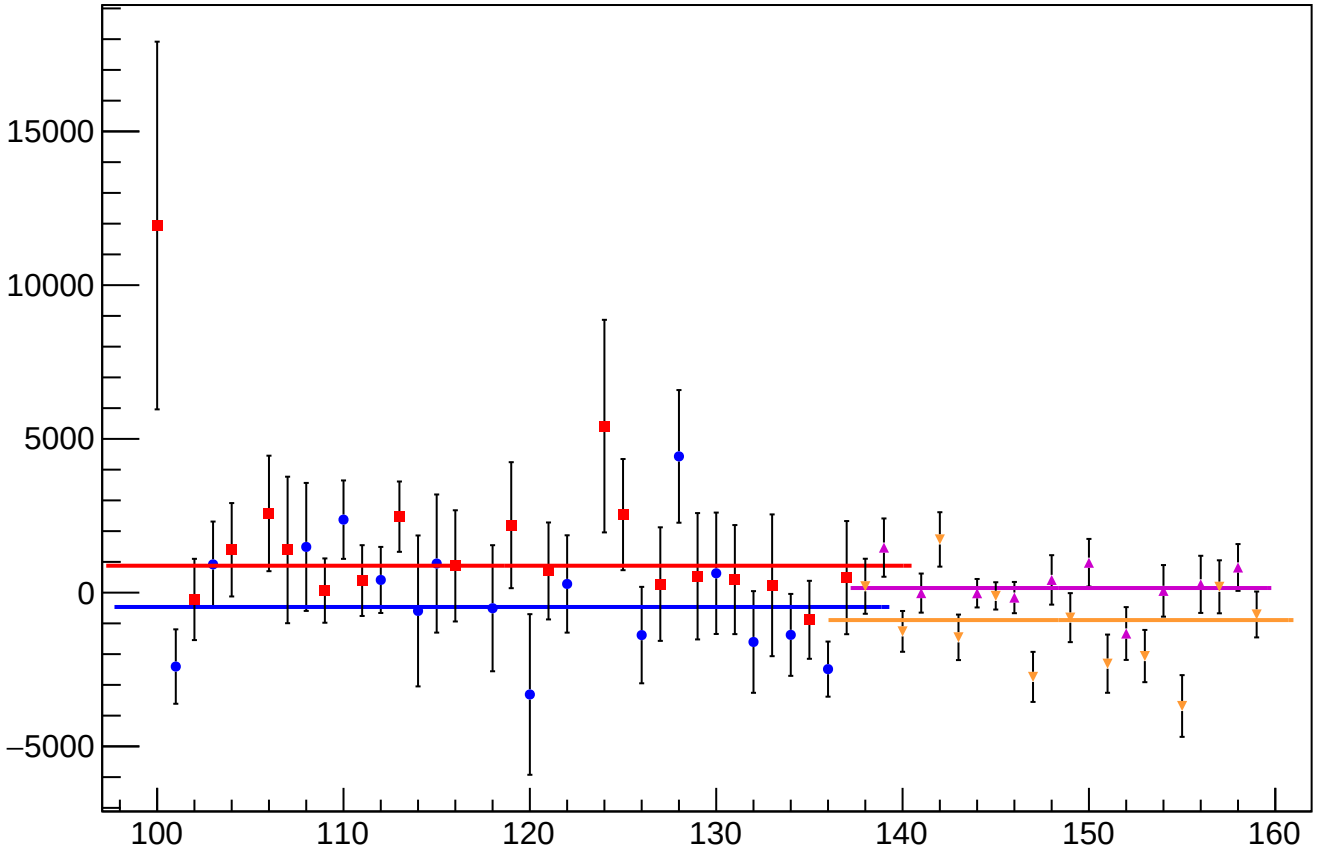
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 69.037+/-0.013 χ^2/NDF:1201032.1/25

Out: 69.453+/-0.012 χ^2/NDF:1192856.3/30

All: 69.250+/-0.009 χ^2/NDF: 2394447.5/56

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -892.553+/-216.081 χ^2/NDF:33.0/11

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 150.107+/-218.210 χ^2/NDF:7.5/9

Left: -376.335+/-153.540 χ^2/NDF: 52.0/21

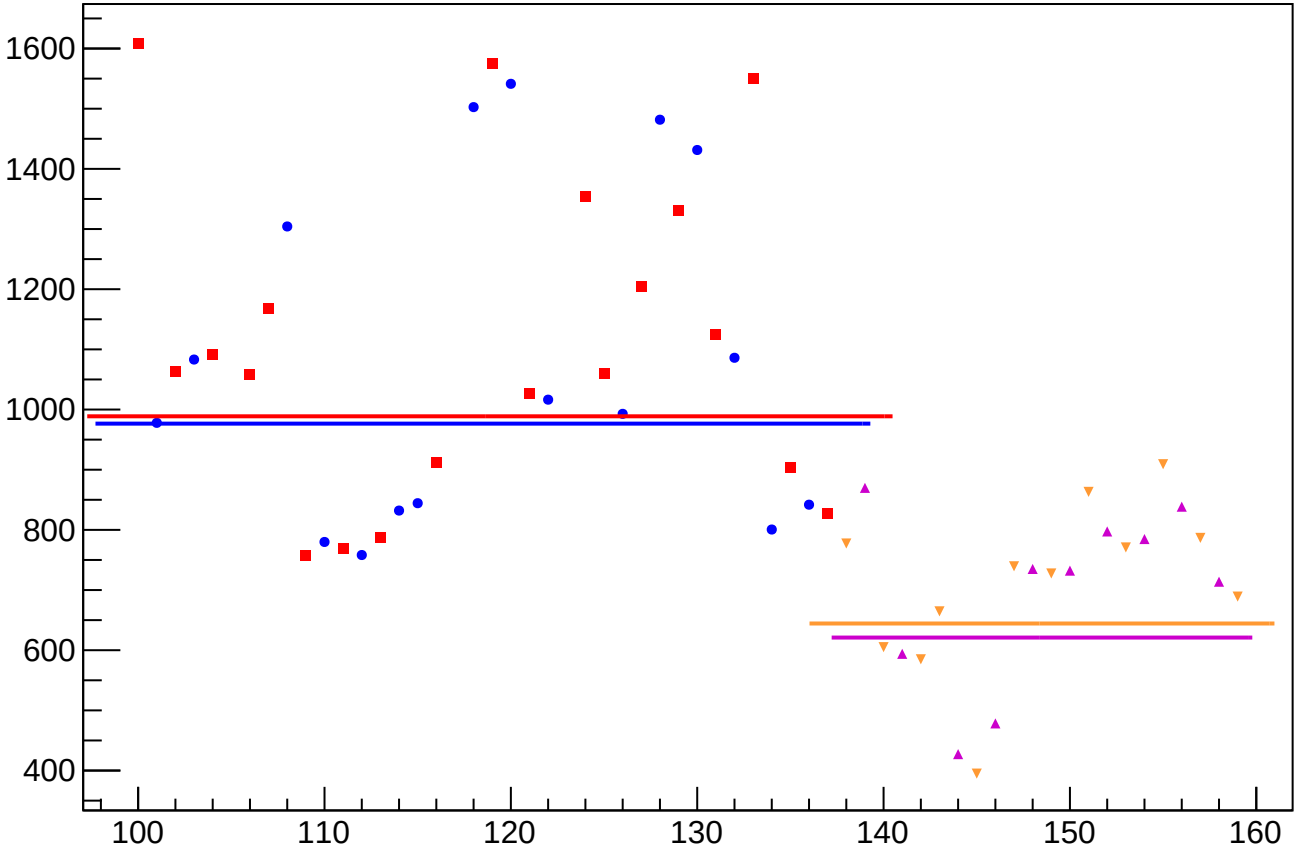
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -5.852+/-188.607 χ^2/NDF:33.2/25

Out: -446.971+/-186.877 χ^2/NDF:62.9/30

All: -228.444+/-132.750 χ^2/NDF: 98.9/56

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 644.395+/-0.153 χ^2/NDF:1094243.7/11

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 621.022+/-0.154 χ^2/NDF:1030677.9/9

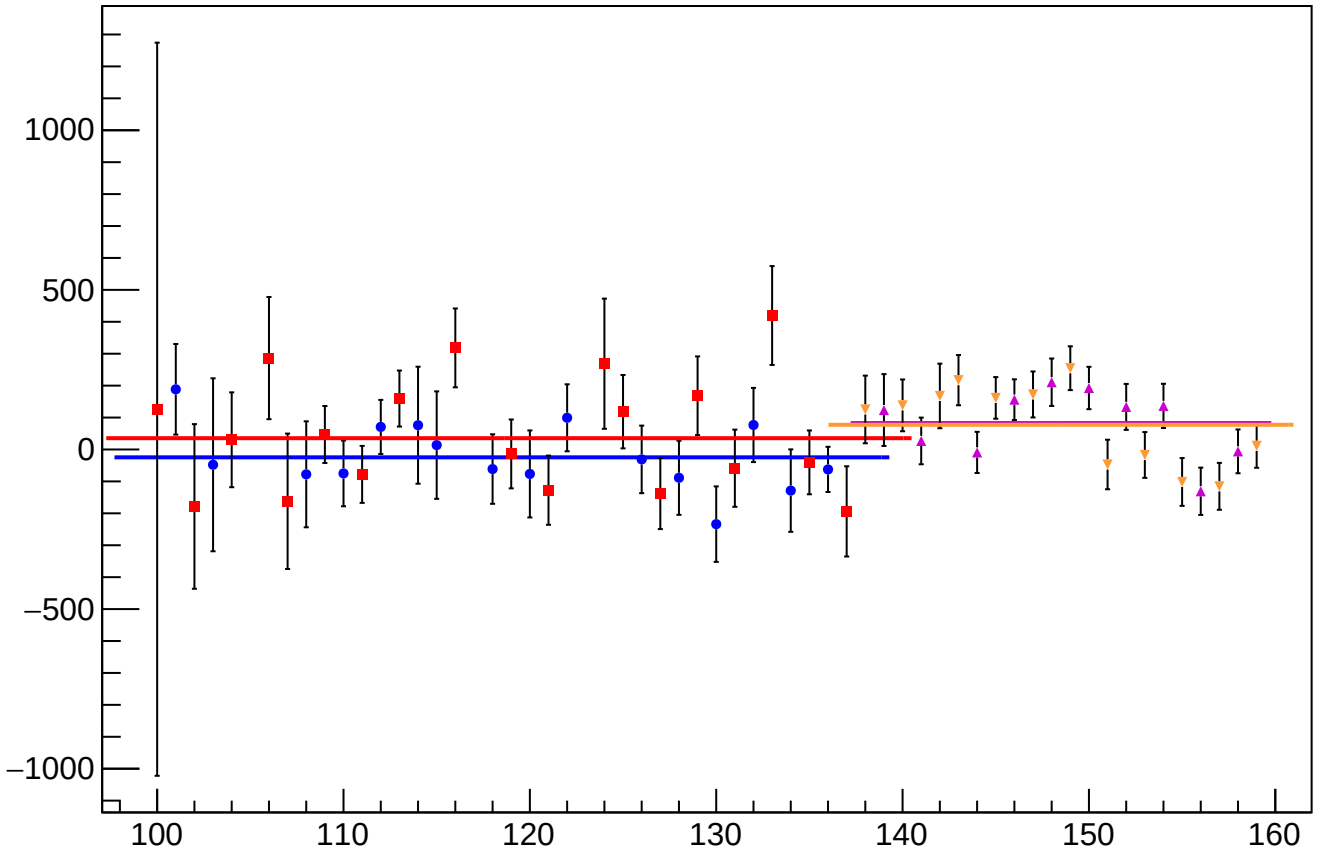
Left: 632.823+/-0.109 χ^2/NDF: 2136507.7/21

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 710.951+/-0.133 χ^2/NDF:3110332.0/25

Out: 731.190+/-0.132 χ^2/NDF:3090242.2/30

All: 721.163+/-0.094 χ^2/NDF: 6212195.5/56



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.396+/-21.945 χ^2/NDF:32.6/11

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 82.766+/-22.603 χ^2/NDF:20.9/9

Left: 80.002+/-15.745 χ^2/NDF: 53.5/21

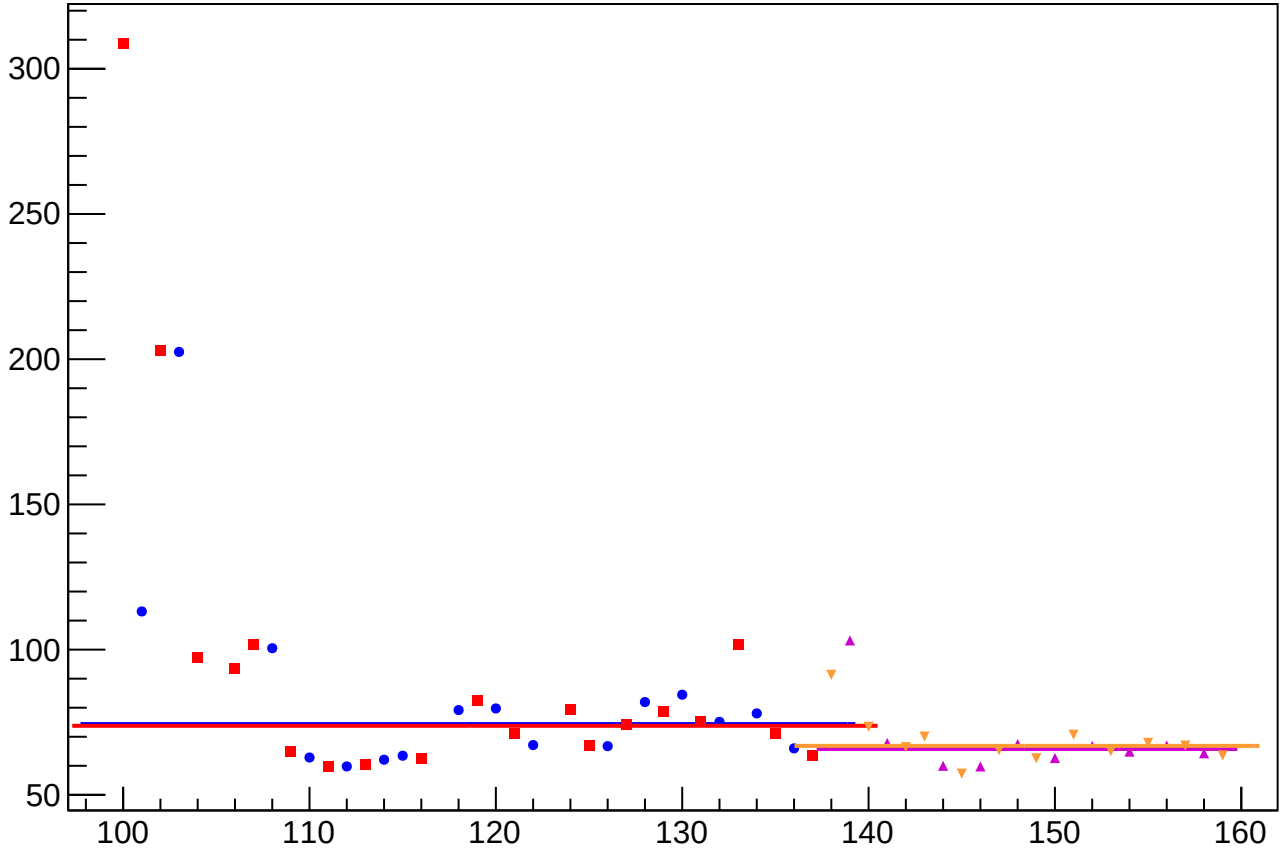
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.024+/-17.807 χ^2/NDF:40.4/25

Out: 61.728+/-17.378 χ^2/NDF:64.0/30

All: 52.116+/-12.437 χ^2/NDF: 105.1/56

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.859+/-0.016 χ^2/NDF:185958.0/11

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

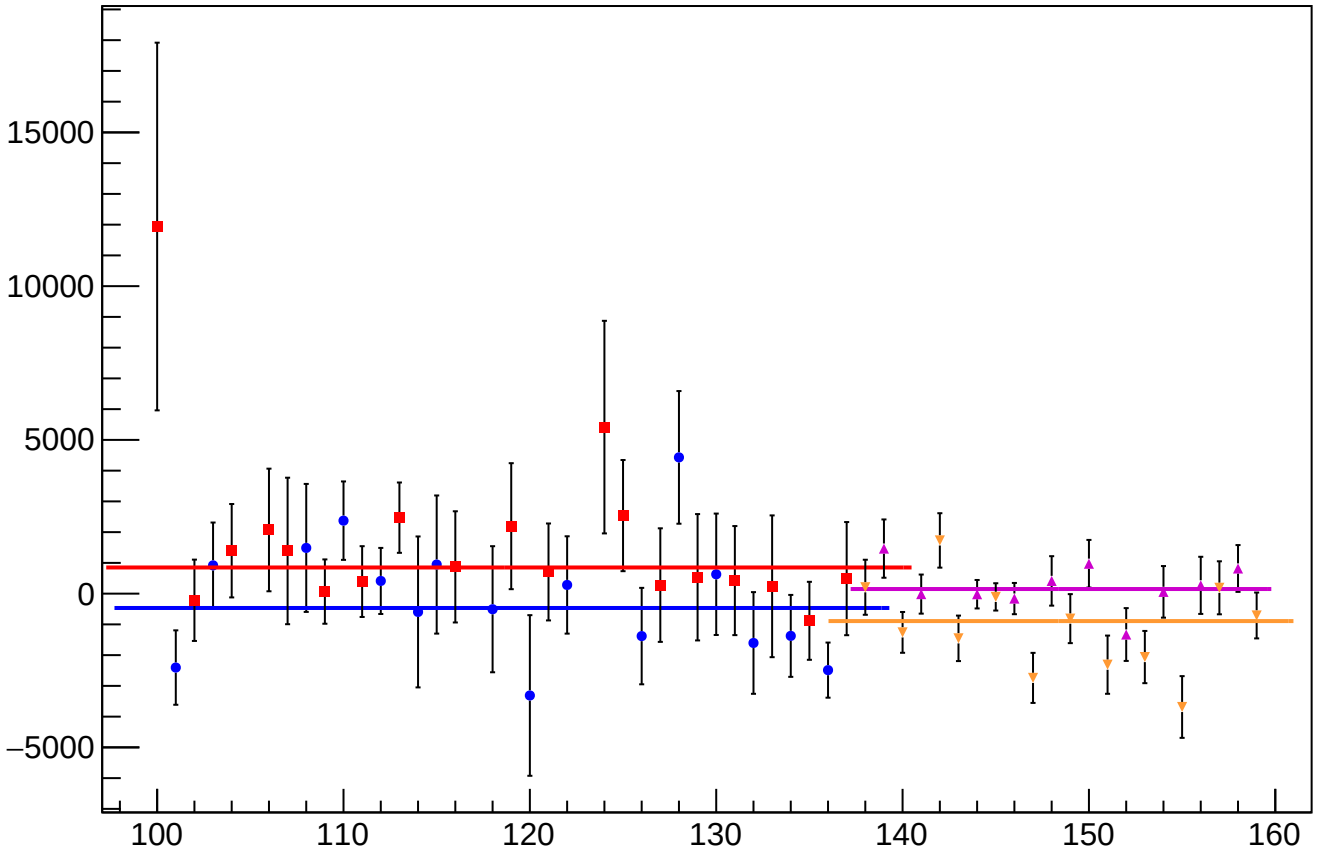
Left: 66.335+/-0.011 χ^2/NDF: 452175.3/21

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.037+/-0.013 χ^2/NDF:1201034.1/25

Out: 69.437+/-0.012 χ^2/NDF:1188162.3/30

All: 69.242+/-0.009 χ^2/NDF: 2389713.5/56



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -892.549+/-216.081 χ^2/NDF:33.0/11

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 150.109+/-218.210 χ^2/NDF:7.5/9

Left: -376.332+/-153.540 χ^2/NDF: 52.0/21

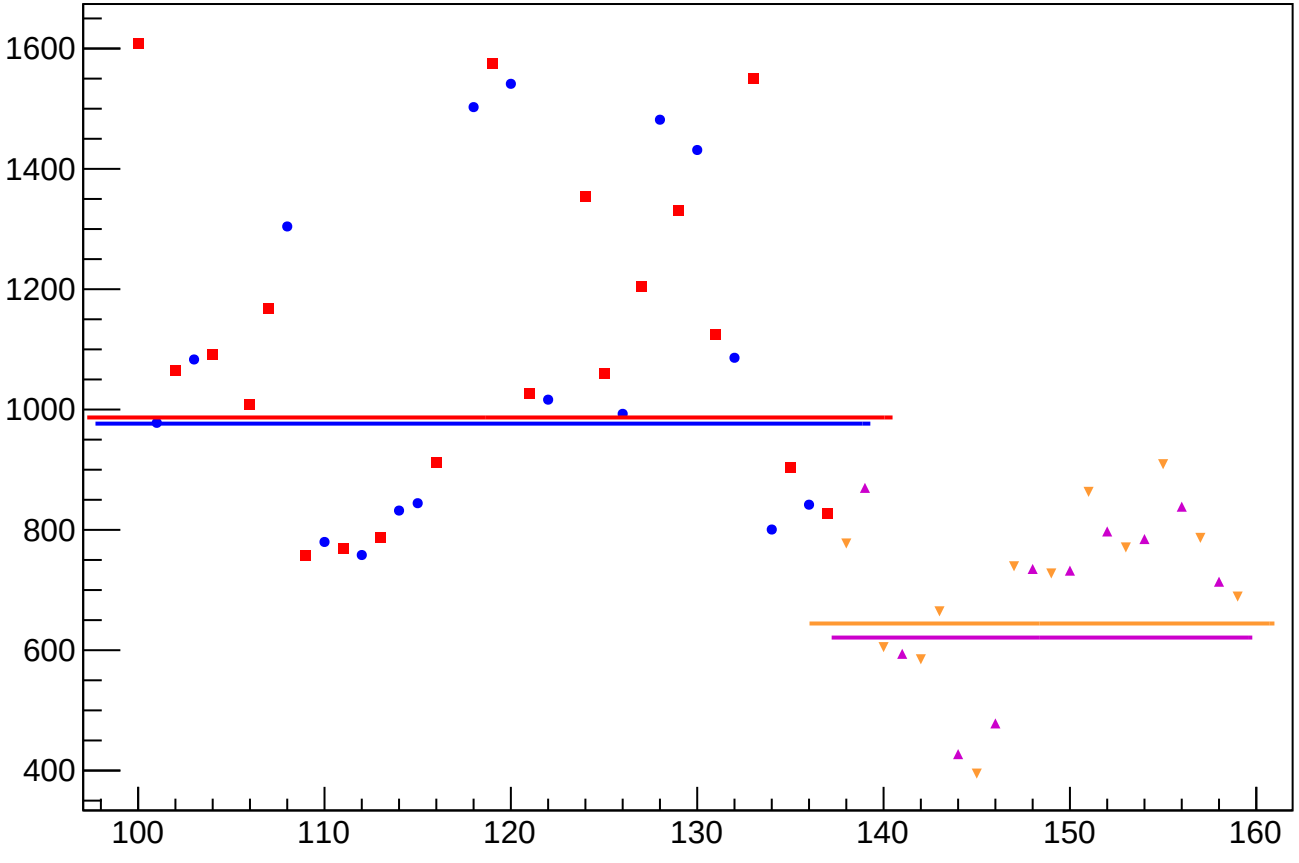
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -5.845+/-188.608 χ^2/NDF:33.2/25

Out: -454.670+/-186.985 χ^2/NDF:61.9/30

All: -232.197+/-132.788 χ^2/NDF: 98.0/56

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 644.395+/-0.153 χ^2/NDF:1094244.2/11

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

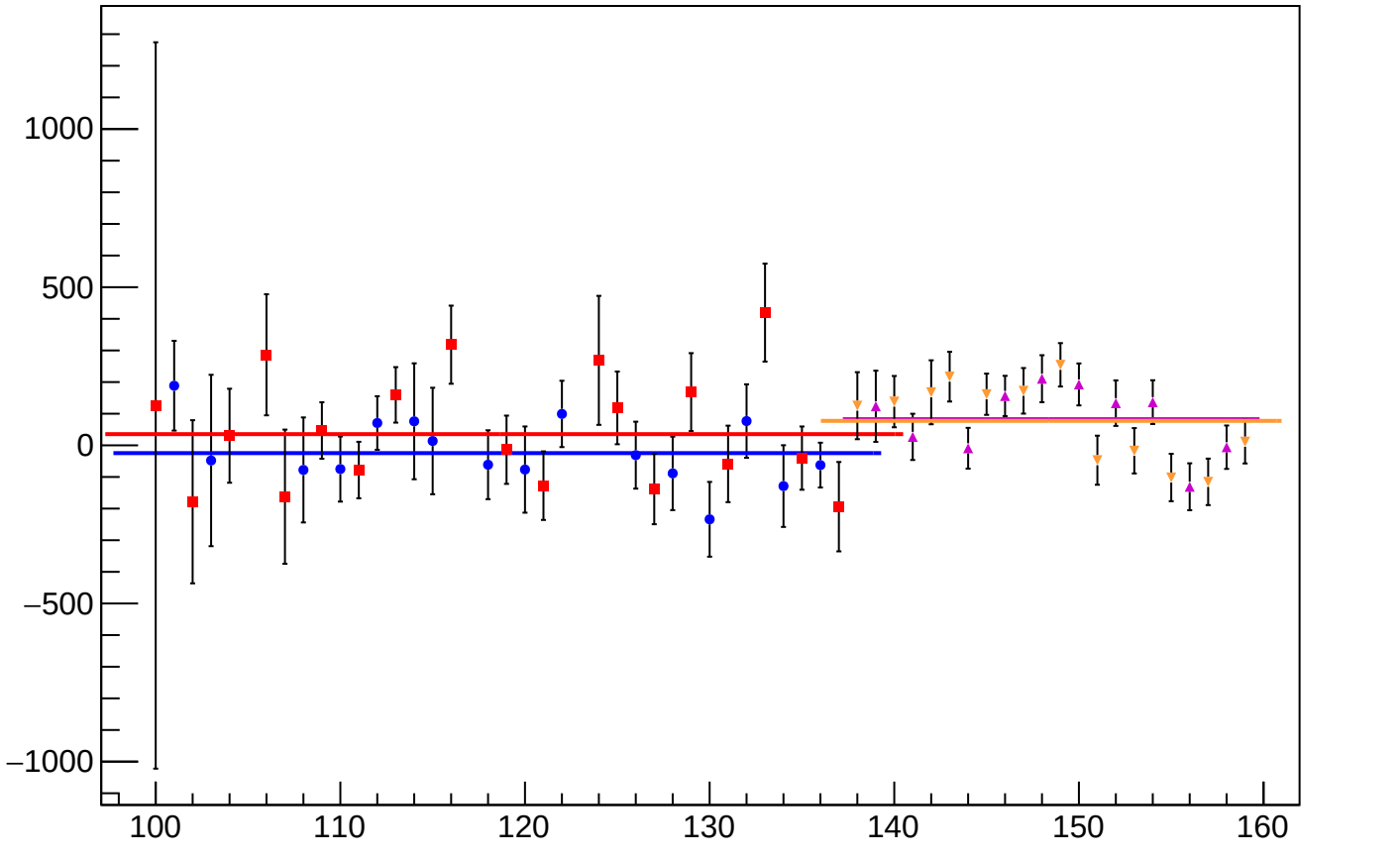
Left: 632.823+/-0.109 χ^2/NDF: 2136509.1/21

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 710.951+/-0.133 χ^2/NDF:3110387.1/25

Out: 730.406+/-0.132 χ^2/NDF:3069141.9/30

All: 720.762+/-0.094 χ^2/NDF: 6190260.3/56



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.396+/-21.945 χ^2/NDF:32.6/11

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 82.766+/-22.603 χ^2/NDF:20.9/9

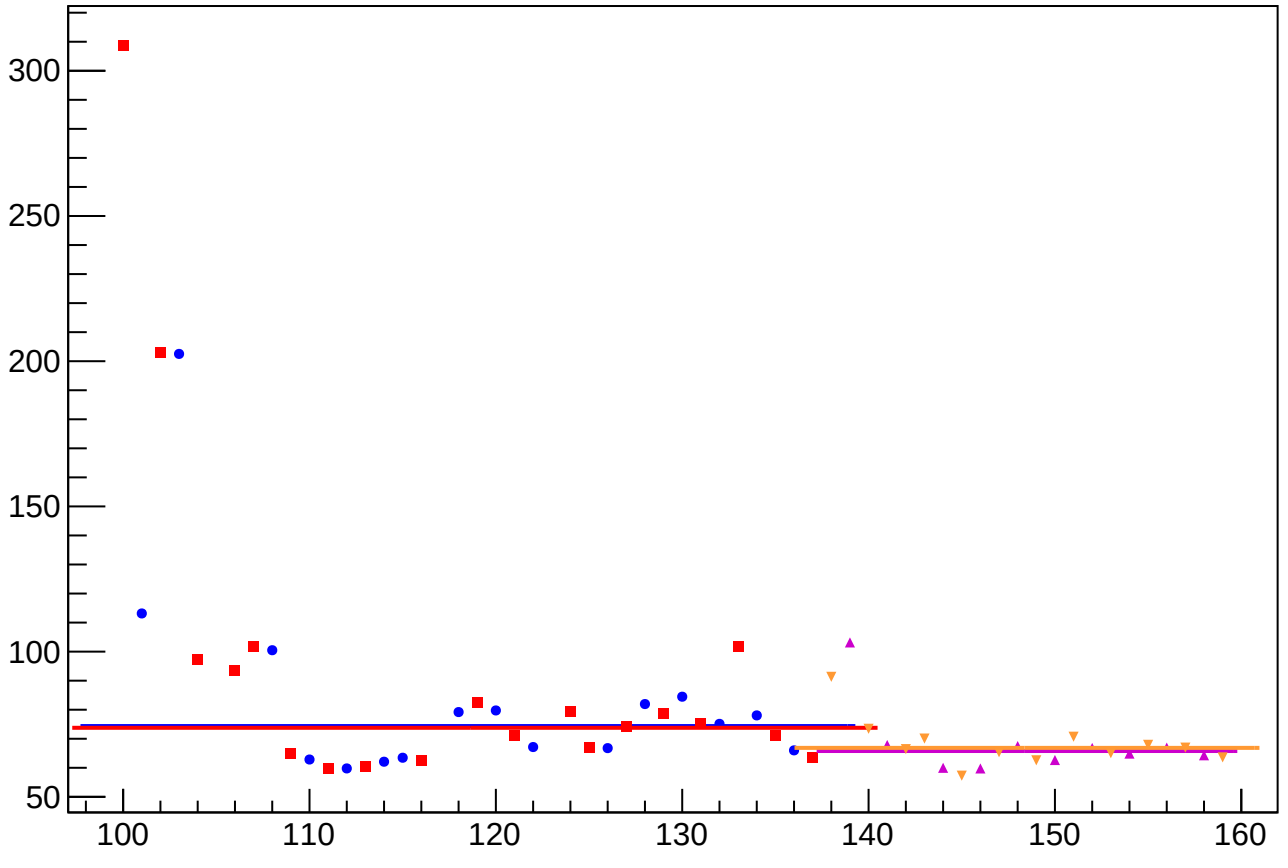
Left: 80.002+/-15.745 χ^2/NDF: 53.5/21

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.024+/-17.807 χ^2/NDF:40.4/25

Out: 61.728+/-17.378 χ^2/NDF:64.0/30

All: 52.116+/-12.437 χ^2/NDF: 105.1/56



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.859+/-0.016 χ^2/NDF:185958.0/11

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

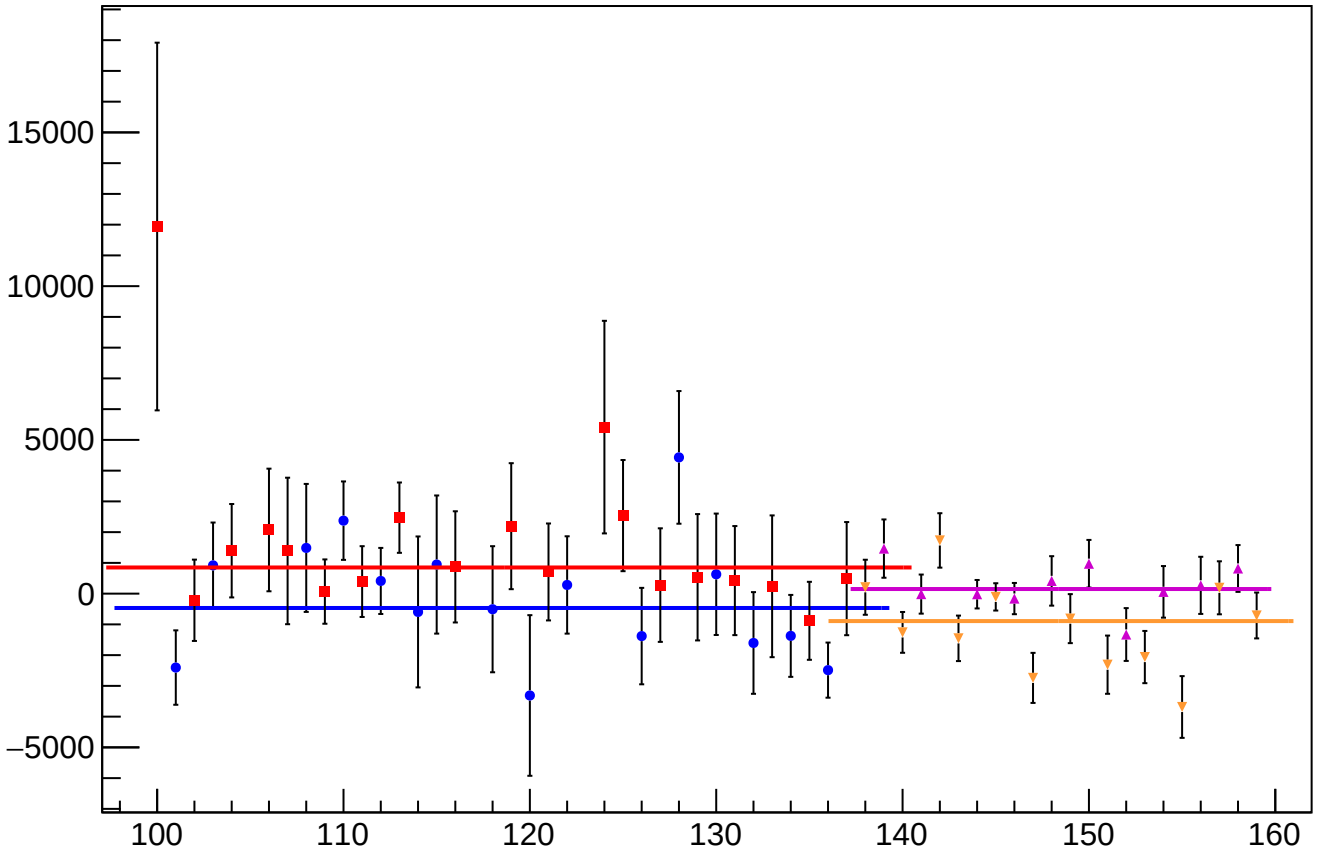
Left: 66.335+/-0.011 χ^2/NDF: 452175.3/21

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.037+/-0.013 χ^2/NDF:1201034.1/25

Out: 69.437+/-0.012 χ^2/NDF:1188162.3/30

All: 69.242+/-0.009 χ^2/NDF: 2389713.5/56



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -892.549+/-216.081 χ^2/NDF:33.0/11

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 150.109+/-218.210 χ^2/NDF:7.5/9

Left: -376.332+/-153.540 χ^2/NDF: 52.0/21

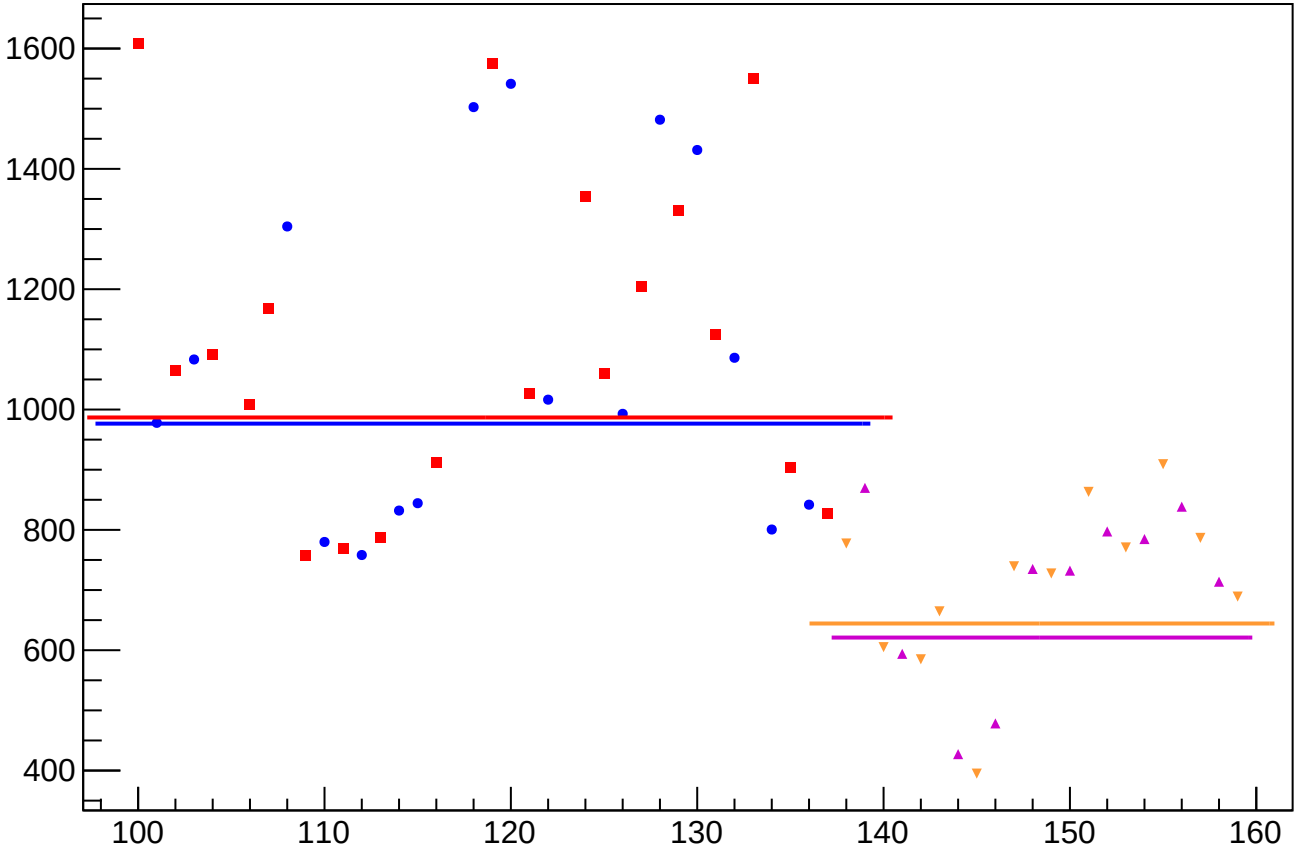
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -5.845+/-188.608 χ^2/NDF:33.2/25

Out: -454.670+/-186.985 χ^2/NDF:61.9/30

All: -232.197+/-132.788 χ^2/NDF: 98.0/56

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: 644.395+/-0.153 χ^2/NDF:1094244.2/11

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

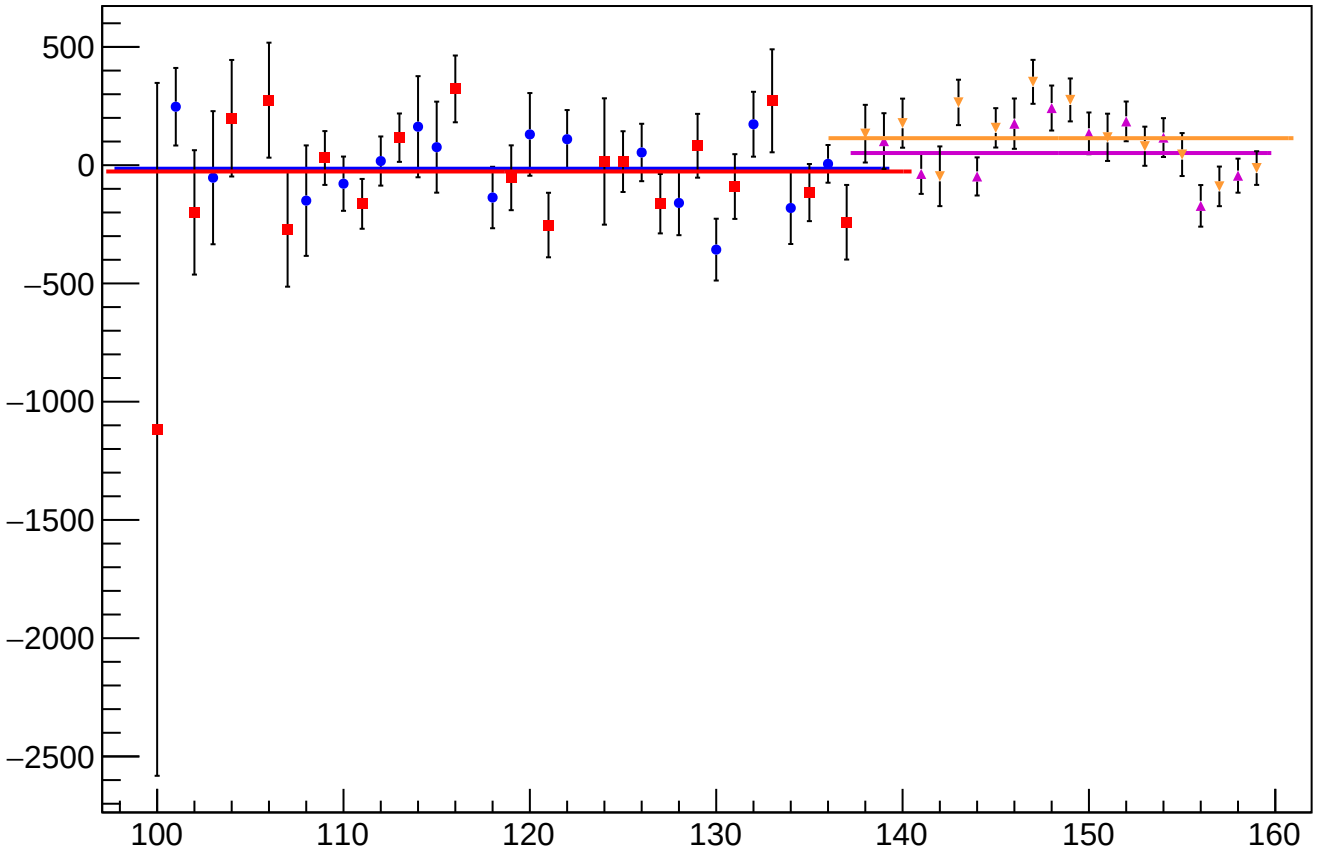
Left: 632.823+/-0.109 χ^2/NDF: 2136509.1/21

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 710.951+/-0.133 χ^2/NDF:3110387.1/25

Out: 730.406+/-0.132 χ^2/NDF:3069141.9/30

All: 720.762+/-0.094 χ^2/NDF: 6190260.3/56



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 114.178+/-26.532 χ^2/NDF:24.4/11

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 51.388+/-27.678 χ^2/NDF:20.4/9

Left: 84.110+/-19.154 χ^2/NDF: 47.5/21

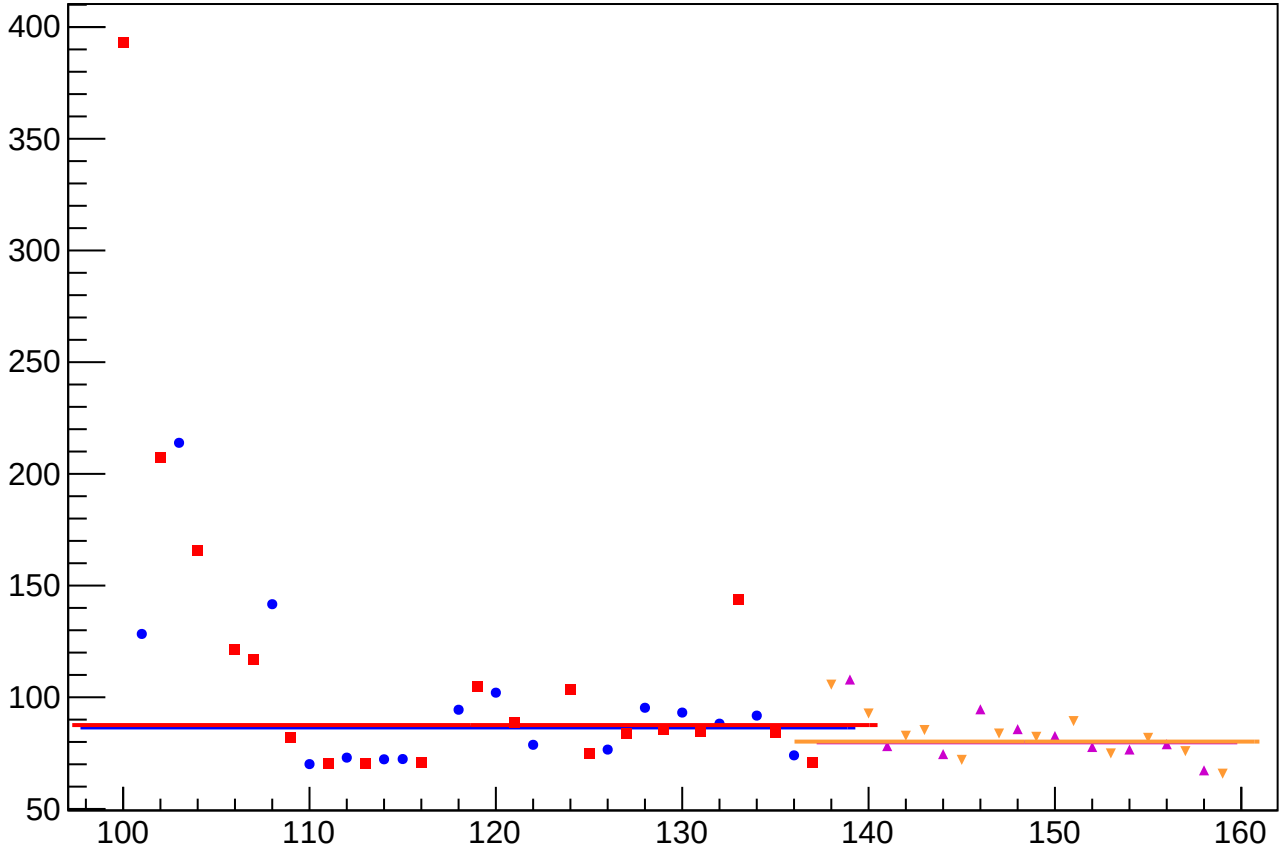
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 24.722+/-21.404 χ^2/NDF:41.0/25

Out: 61.017+/-20.934 χ^2/NDF:58.6/30

All: 43.273+/-14.966 χ^2/NDF: 101.1/56

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 80.160+/-0.019 χ^2/NDF:259334.2/11

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 79.833+/-0.020 χ^2/NDF:236560.8/9

Left: 80.003+/-0.014 χ^2/NDF: 496040.1/21

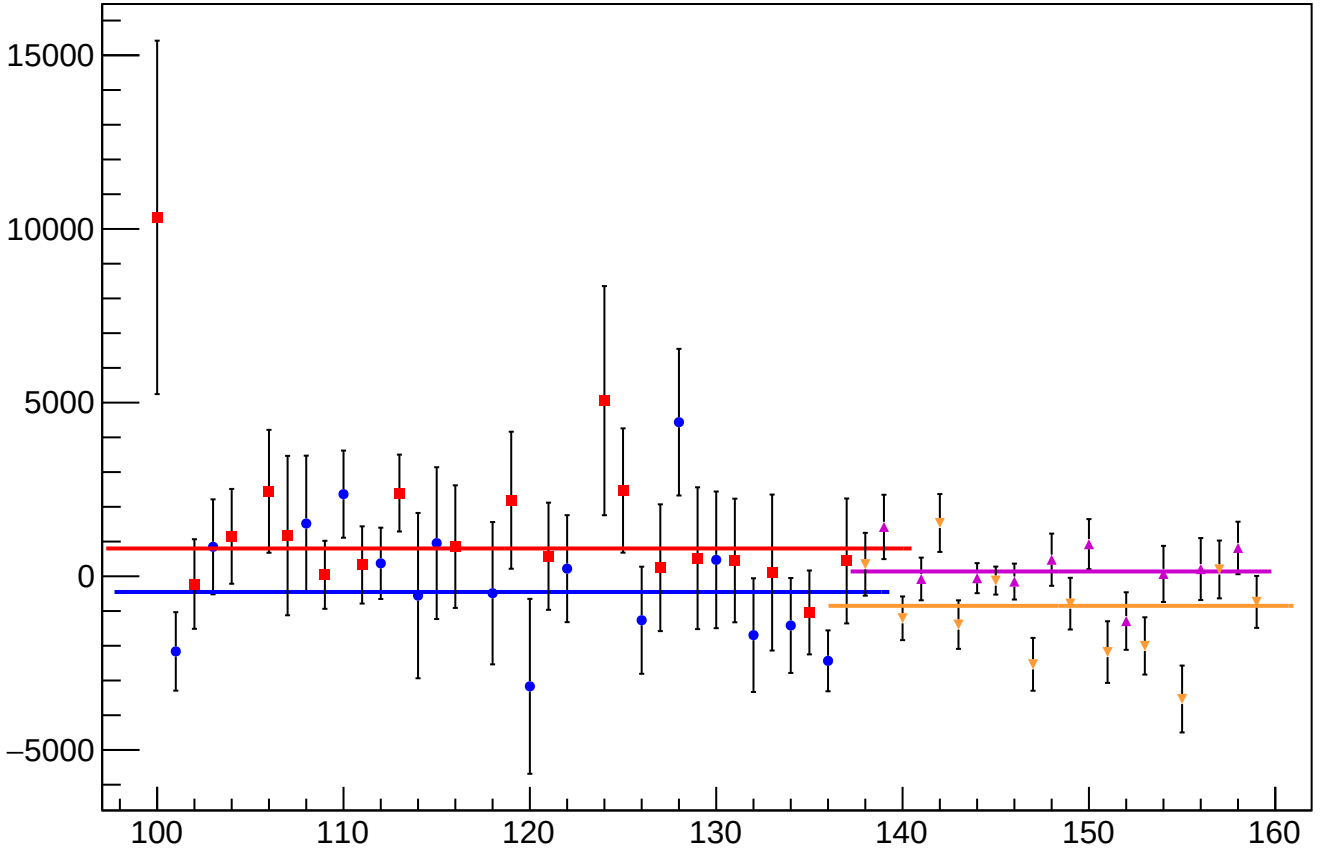
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 82.509+/-0.015 χ^2/NDF:1139305.7/25

Out: 82.951+/-0.015 χ^2/NDF:1447770.5/30

All: 82.735+/-0.011 χ^2/NDF: 2587513.3/56

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: -850.561+/-204.208 χ^2/NDF:32.6/11

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 139.025+/-210.396 χ^2/NDF:7.7/9

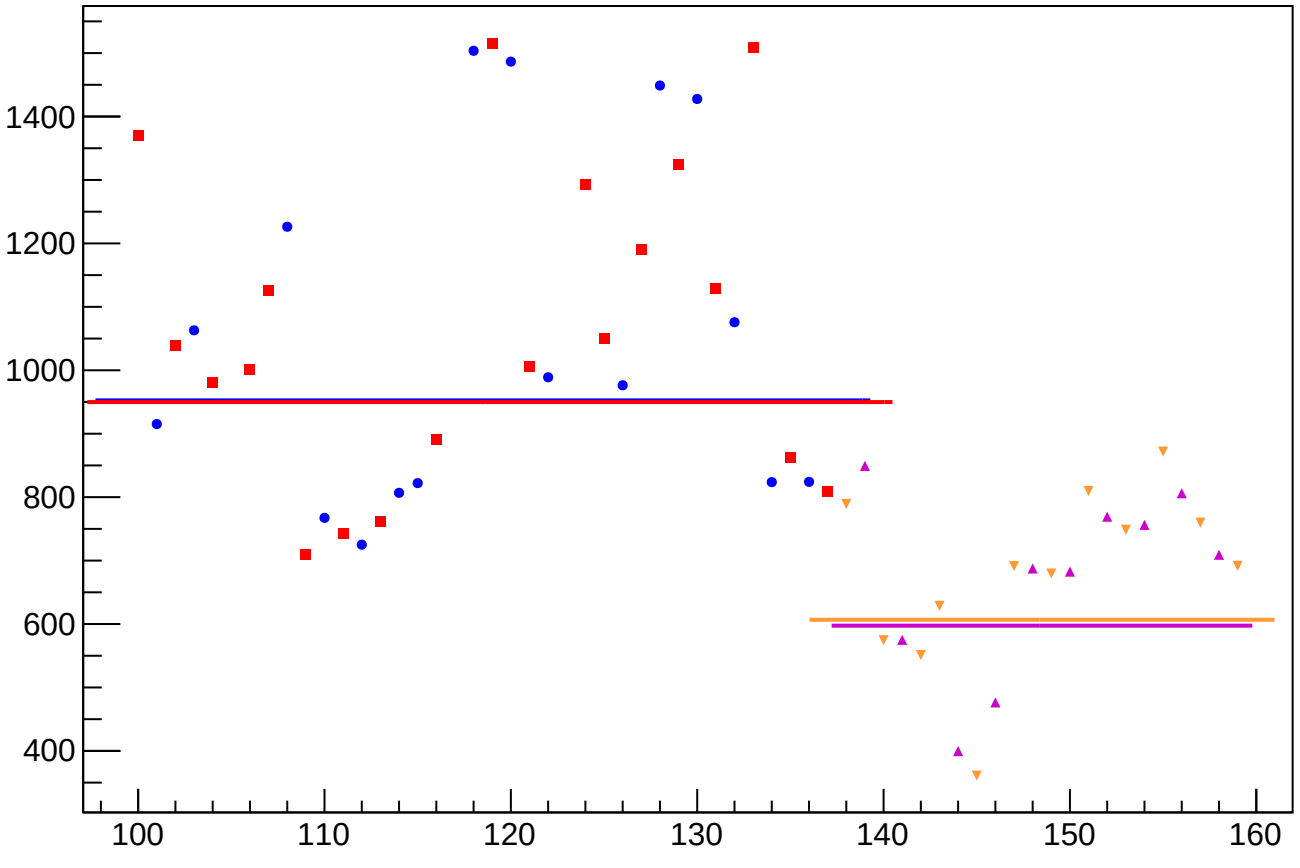
Left: -370.535+/-146.536 χ^2/NDF: 51.7/21

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -7.857+/-182.356 χ^2/NDF:33.4/25

Out: -444.833+/-177.363 χ^2/NDF:62.3/30

All: -232.409+/-127.143 χ^2/NDF: 98.7/56



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 606.697+/-0.144 χ^2/NDF:1293316.0/11

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 597.443+/-0.149 χ^2/NDF:1050878.2/9

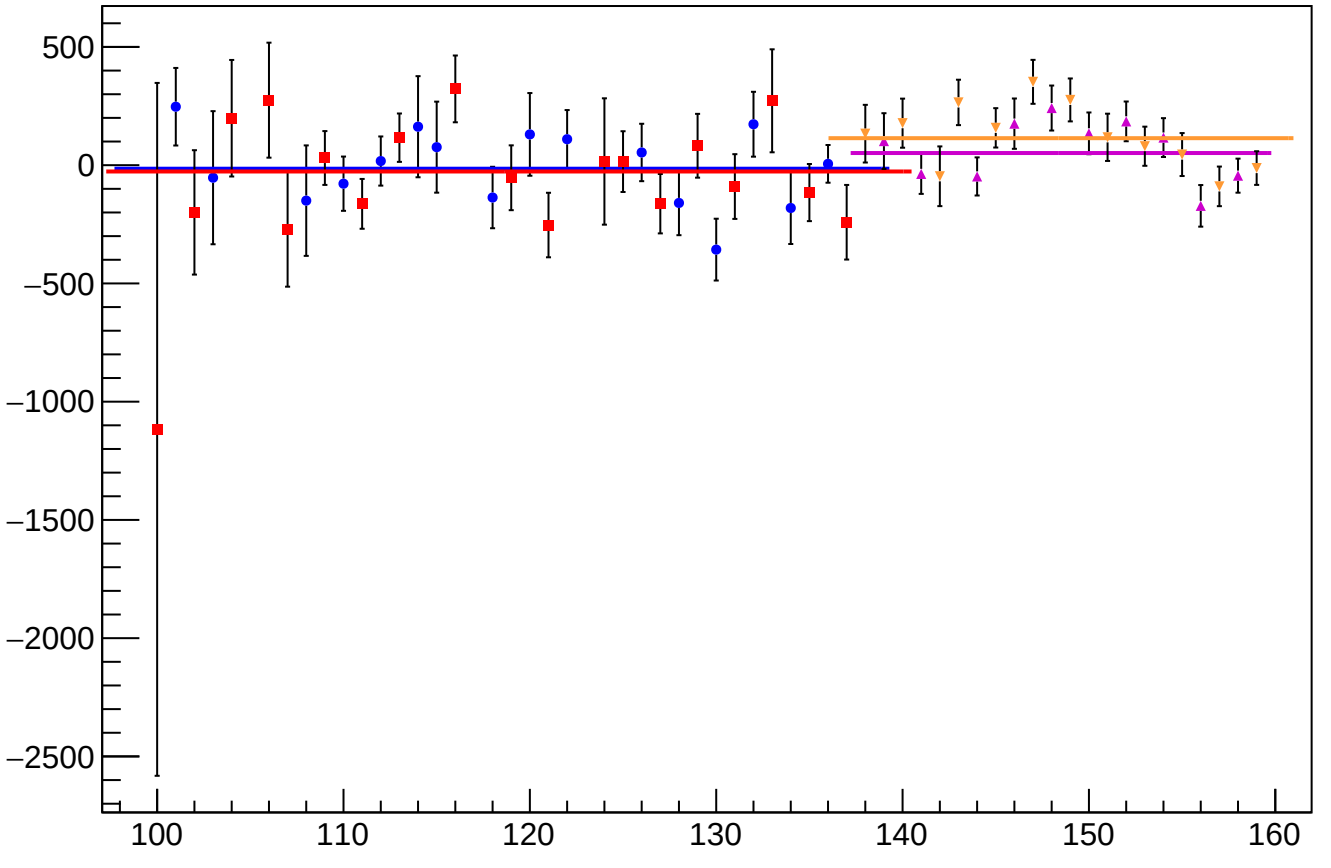
Left: 602.208+/-0.104 χ^2/NDF: 2346186.3/21

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 685.787+/-0.129 χ^2/NDF:3214622.8/25

Out: 690.997+/-0.125 χ^2/NDF:3432556.0/30

All: 688.464+/-0.090 χ^2/NDF: 6648017.5/56



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 114.180+/-26.532 χ^2/NDF:24.4/11

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 51.388+/-27.678 χ^2/NDF:20.4/9

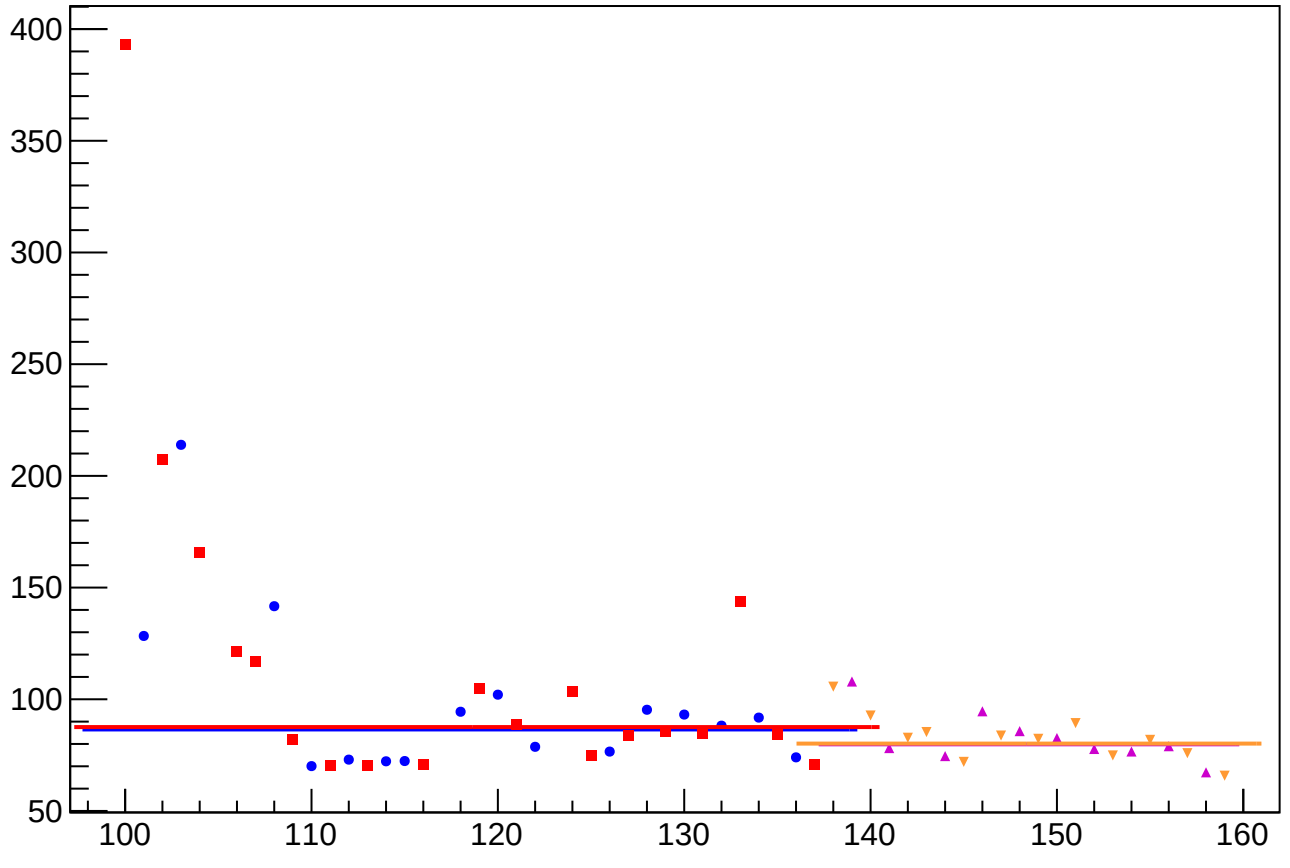
Left: 84.111+/-19.154 χ^2/NDF: 47.5/21

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 24.721+/-21.405 χ^2/NDF:41.0/25

Out: 61.017+/-20.934 χ^2/NDF:58.6/30

All: 43.272+/-14.966 χ^2/NDF: 101.1/56



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 80.160+/-0.019 χ^2/NDF:259338.7/11

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 79.834+/-0.020 χ^2/NDF:236560.0/9

Left: 80.004+/-0.014 χ^2/NDF: 496043.9/21

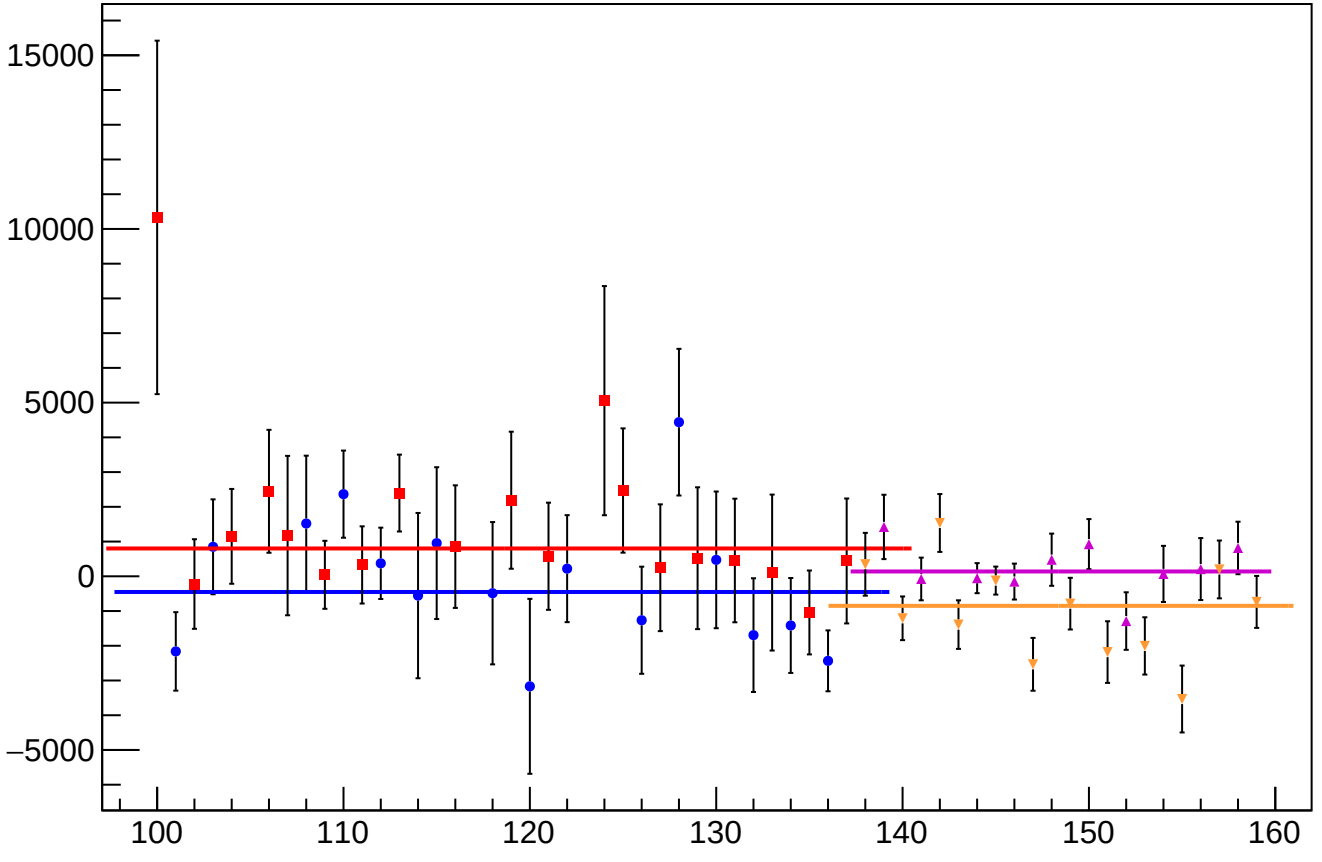
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 82.509+/-0.015 χ^2/NDF:1139296.6/25

Out: 82.952+/-0.015 χ^2/NDF:1447773.2/30

All: 82.735+/-0.011 χ^2/NDF: 2587507.1/56

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: -850.561+/-204.207 χ^2/NDF:32.6/11

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 139.024+/-210.396 χ^2/NDF:7.7/9

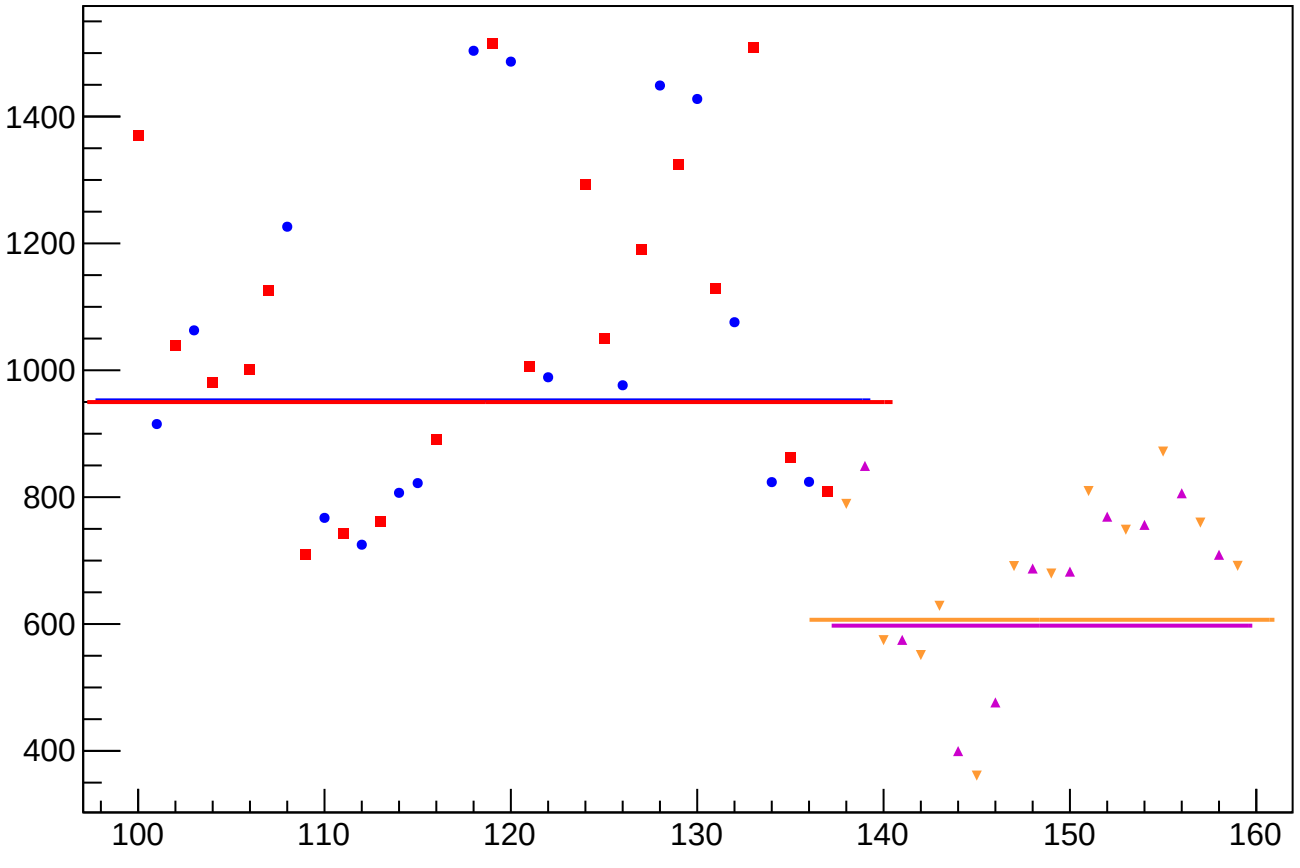
Left: -370.536+/-146.535 χ^2/NDF: 51.7/21

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -7.857+/-182.356 χ^2/NDF:33.4/25

Out: -444.833+/-177.363 χ^2/NDF:62.3/30

All: -232.409+/-127.143 χ^2/NDF: 98.7/56



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 606.696+/-0.144 χ^2/NDF:1293317.0/11

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 597.443+/-0.149 χ^2/NDF:1050877.7/9

Left: 602.207+/-0.104 χ^2/NDF: 2346186.8/21

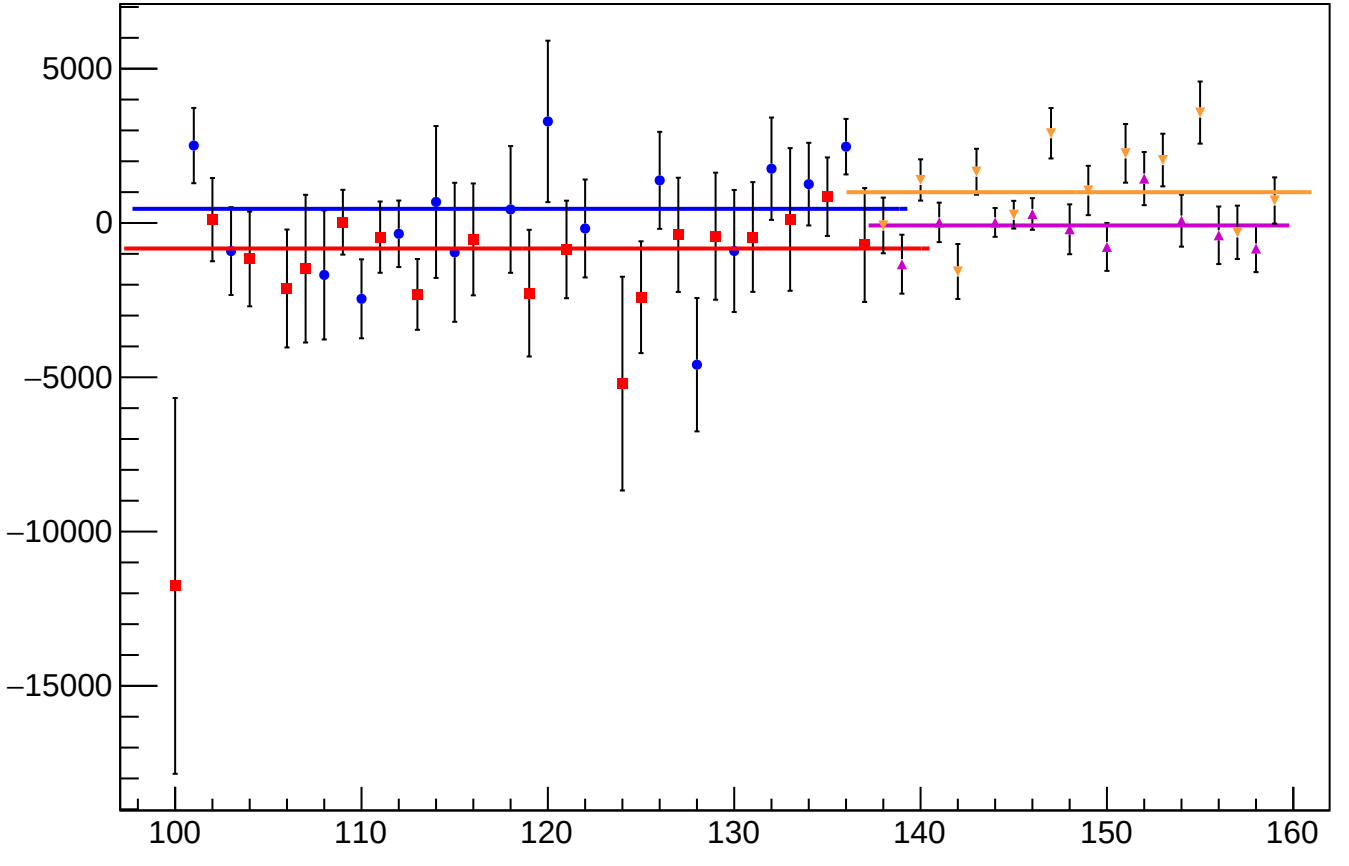
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 685.786+/-0.129 χ^2/NDF:3214619.9/25

Out: 690.996+/-0.125 χ^2/NDF:3432552.8/30

All: 688.463+/-0.090 χ^2/NDF: 6648011.4/56

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 998.194+/-217.479 χ^2/NDF:31.2/11

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -79.452+/-219.670 χ^2/NDF:7.4/9

Left: 464.772+/-154.550 χ^2/NDF: 50.7/21

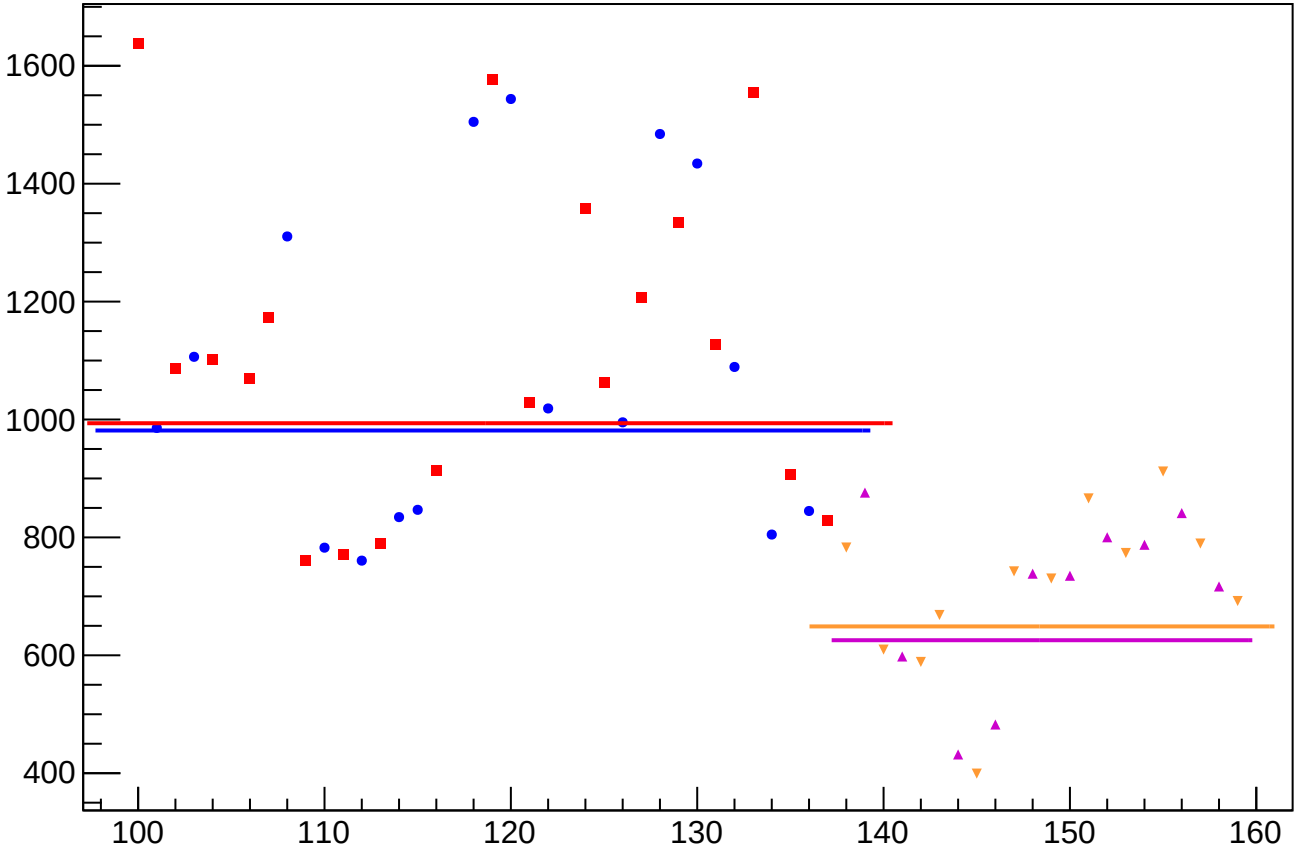
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 57.128+/-189.784 χ^2/NDF:33.4/25

Out: 537.550+/-188.035 χ^2/NDF:60.6/30

All: 299.563+/-133.575 χ^2/NDF: 97.3/56

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 648.989+/-0.154 χ^2/NDF:1069790.6/11

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 625.585+/-0.155 χ^2/NDF:1010459.0/9

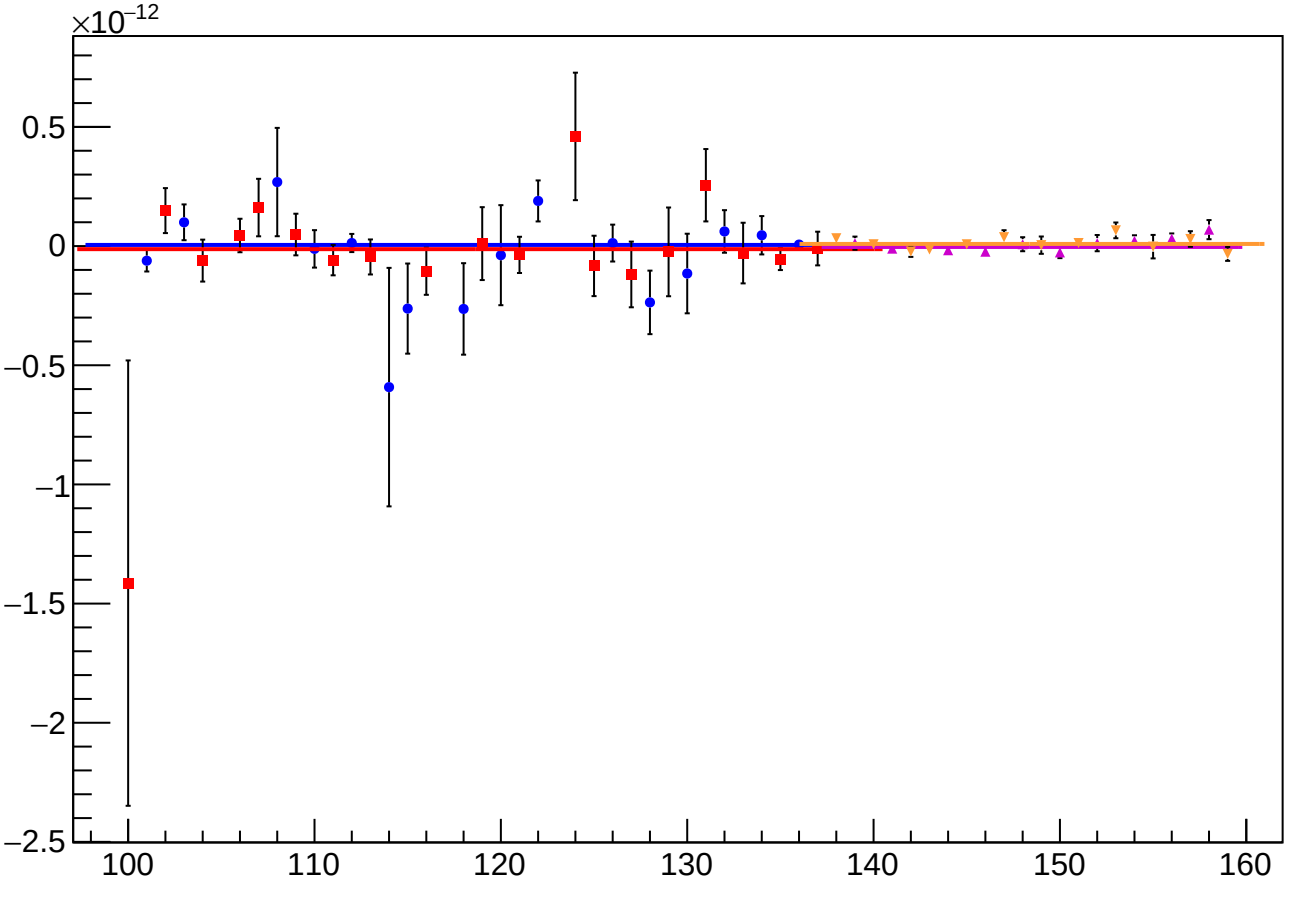
Left: 637.405+/-0.109 χ^2/NDF: 2091714.6/21

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 715.803+/-0.134 χ^2/NDF:3078360.7/25

Out: 736.006+/-0.133 χ^2/NDF:3057922.1/30

All: 725.998+/-0.094 χ^2/NDF: 6147720.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/9

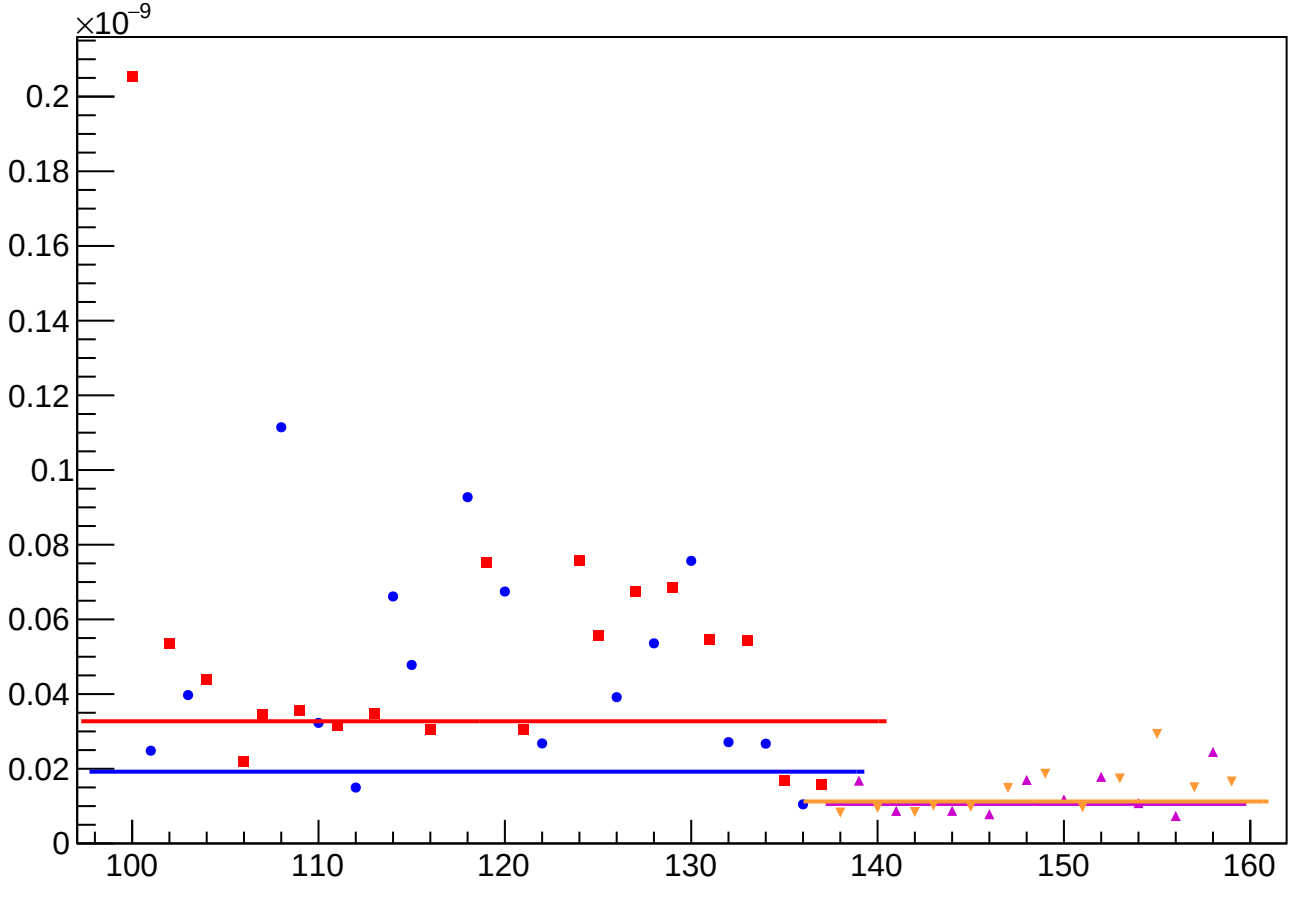
Left: 0.000+/-0.000 χ^2/NDF: 24.7/21

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:31.1/25

Out: 0.000+/-0.000 χ^2/NDF:31.2/30

All: 0.000+/-0.000 χ^2/NDF: 63.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:687377.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:695879.5/9

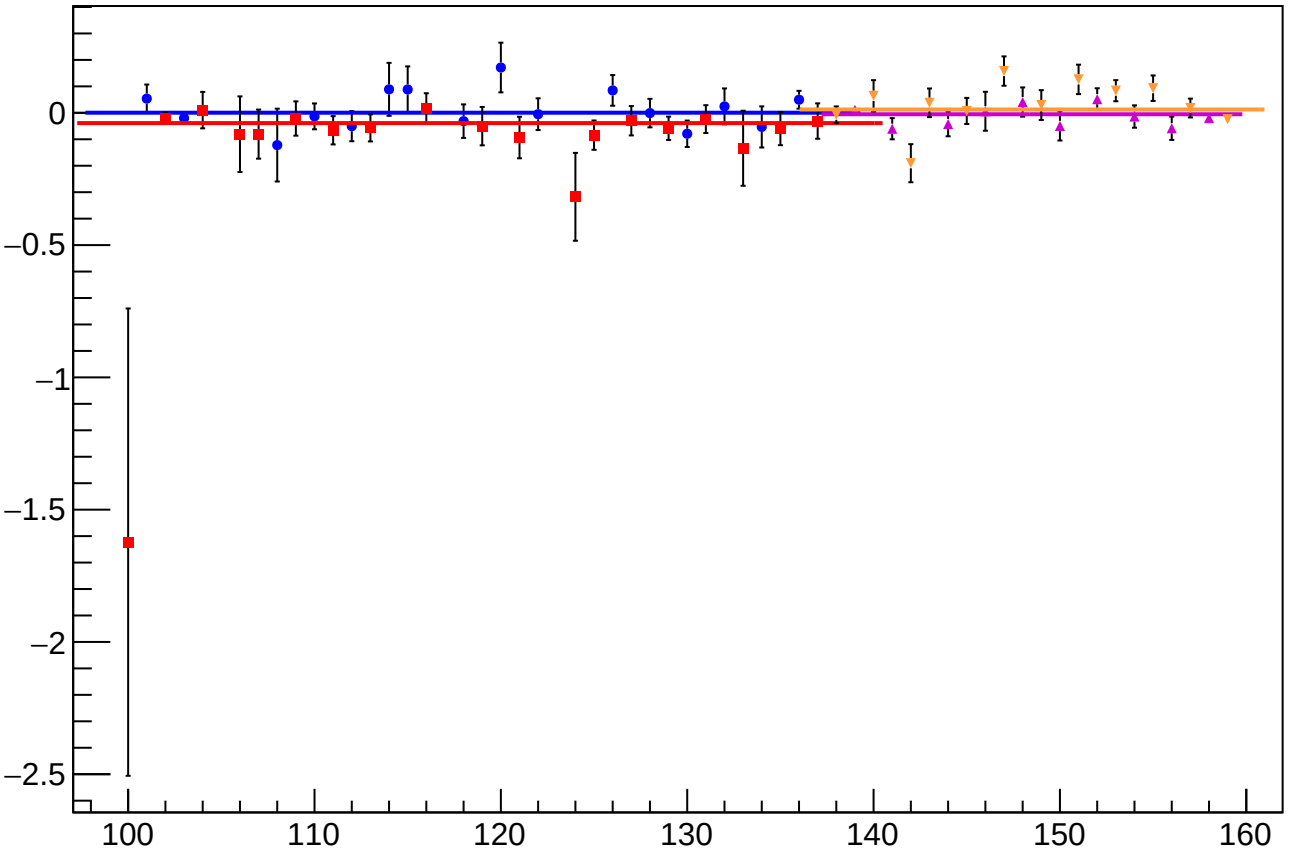
Left: 0.000+/-0.000 χ^2/NDF: 1392747.1/21

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3259726.0/25

Out: 0.000+/-0.000 χ^2/NDF:3812932.1/30

All: 0.000+/-0.000 χ^2/NDF: 7103995.2/56



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.002+/-0.007 χ^2/NDF: 42.5/21

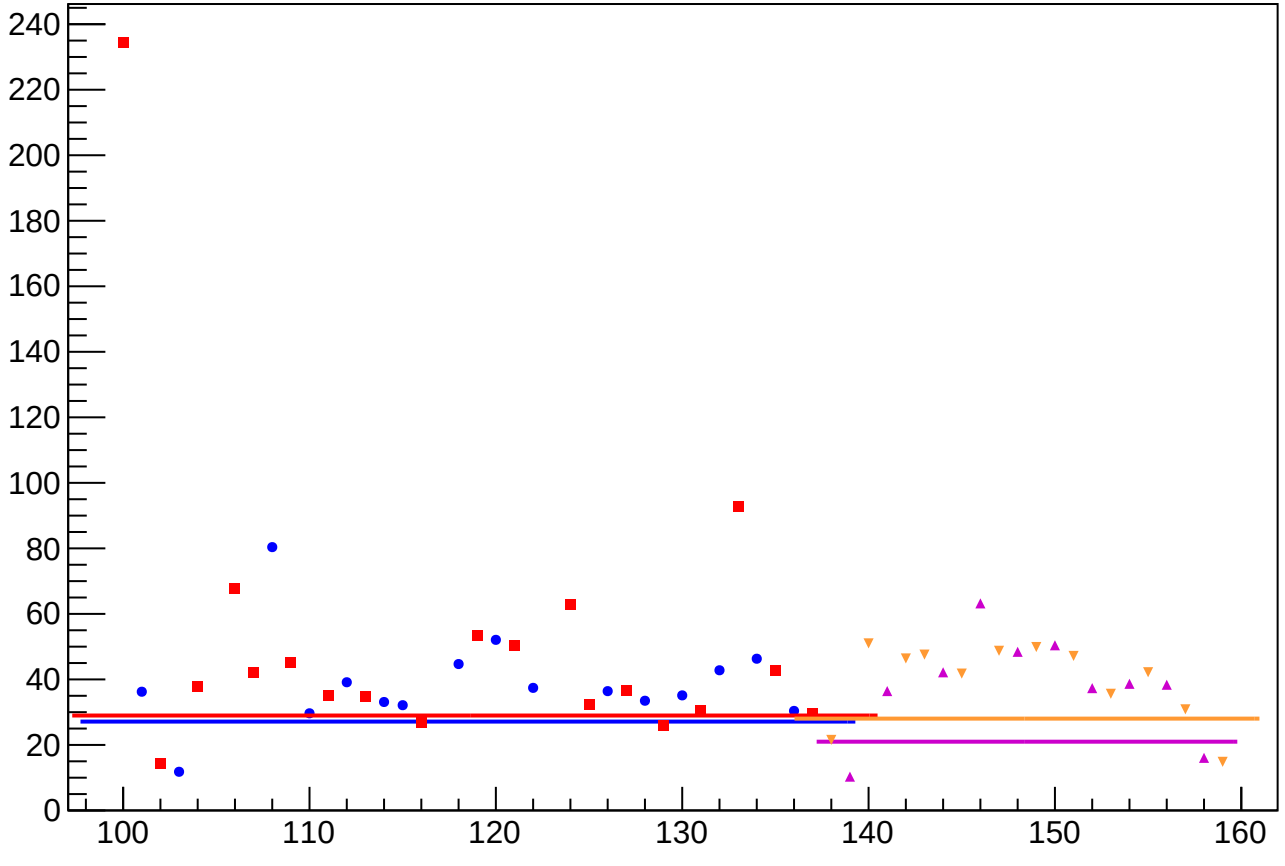
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.5/56

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: 28.034+/-0.008 χ^2/NDF:3295600.2/11

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

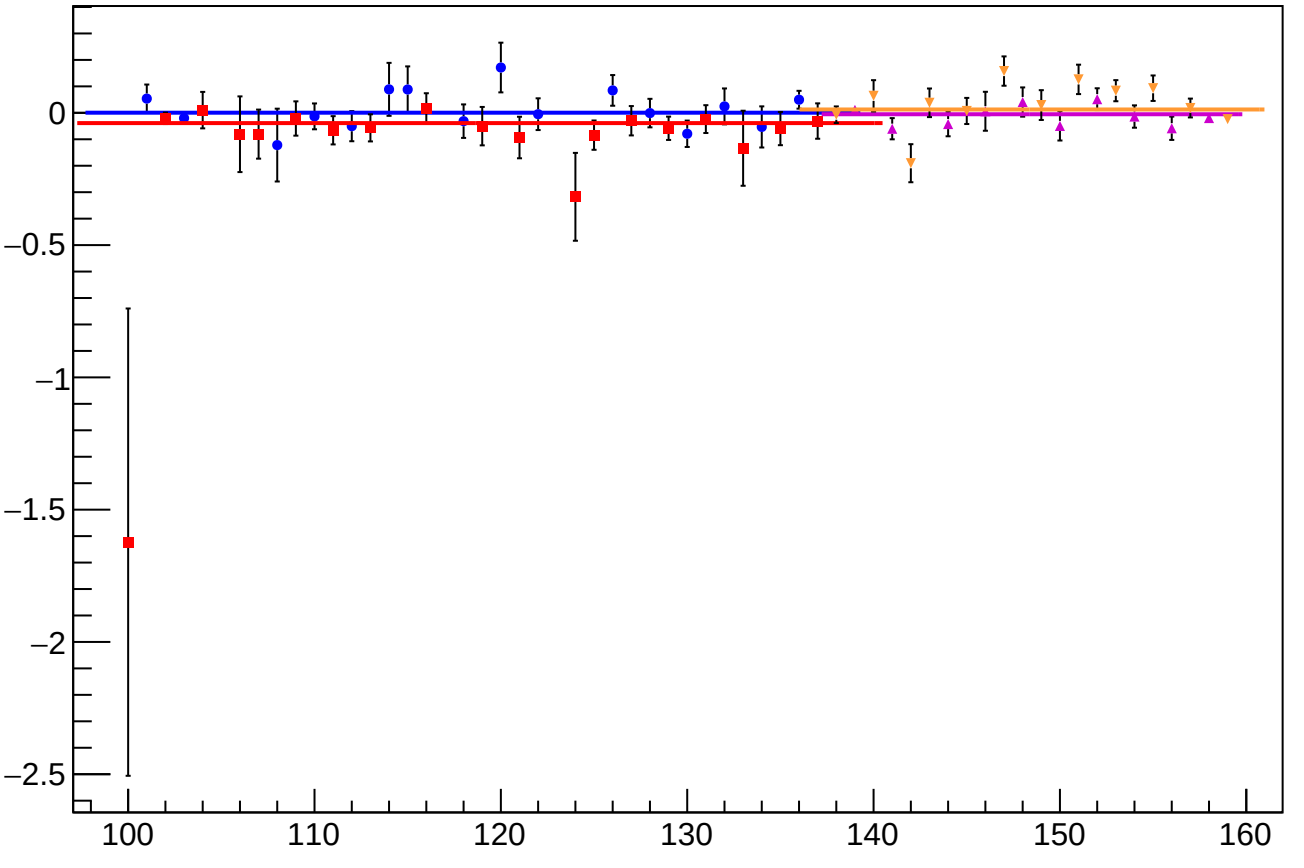
Left: 23.927+/-0.005 χ^2/NDF: 8628465.4/21

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.203+/-0.005 χ^2/NDF:7574229.8/25

Out: 28.428+/-0.006 χ^2/NDF:5758379.0/30

All: 25.499+/-0.004 χ^2/NDF: 13792248.2/56



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.002+/-0.007 χ^2/NDF: 42.5/21

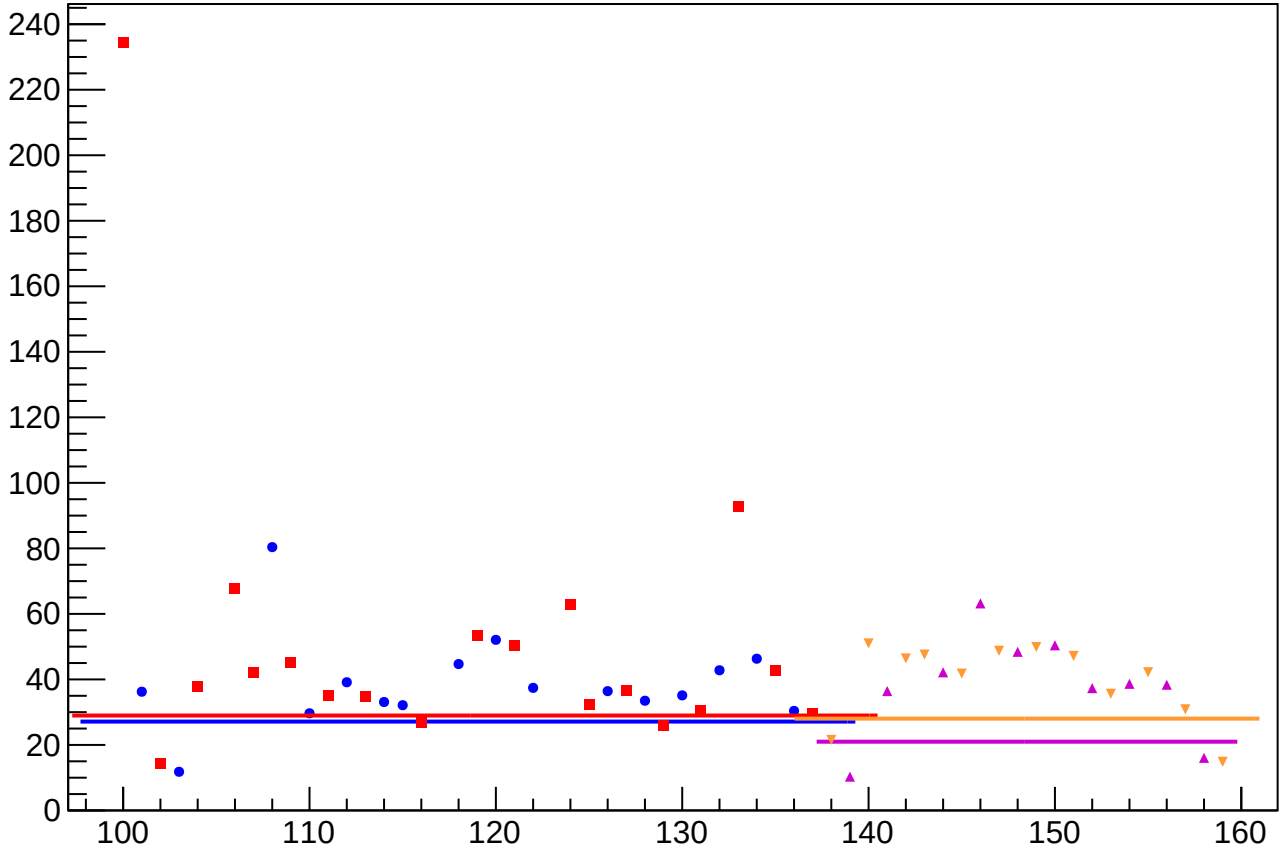
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.5/56

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: 28.034+/-0.008 χ^2/NDF:3295600.2/11

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

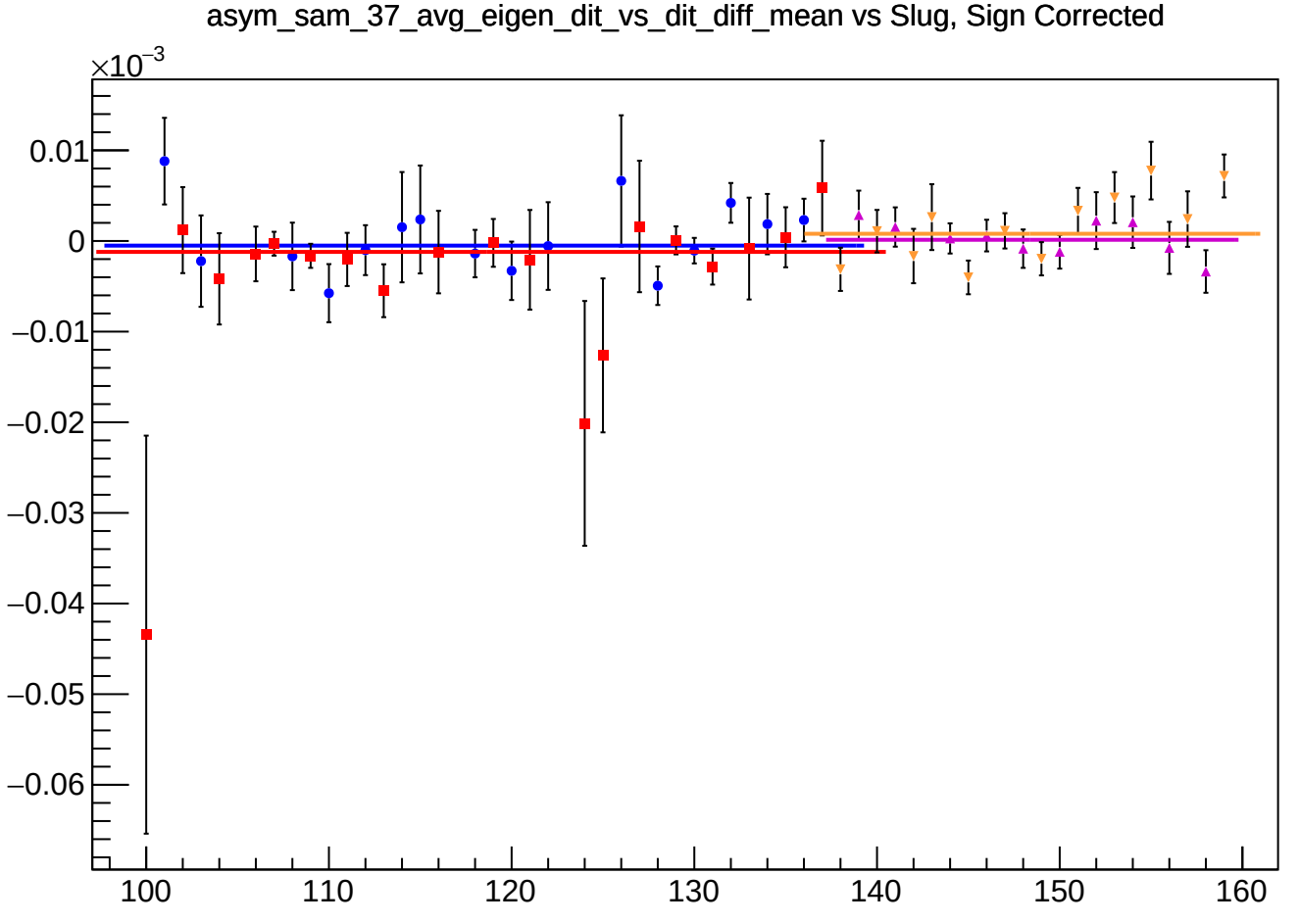
Left: 23.927+/-0.005 χ^2/NDF: 8628465.4/21

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.203+/-0.005 χ^2/NDF:7574229.8/25

Out: 28.428+/-0.006 χ^2/NDF:5758379.0/30

All: 25.499+/-0.004 χ^2/NDF: 13792248.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/9

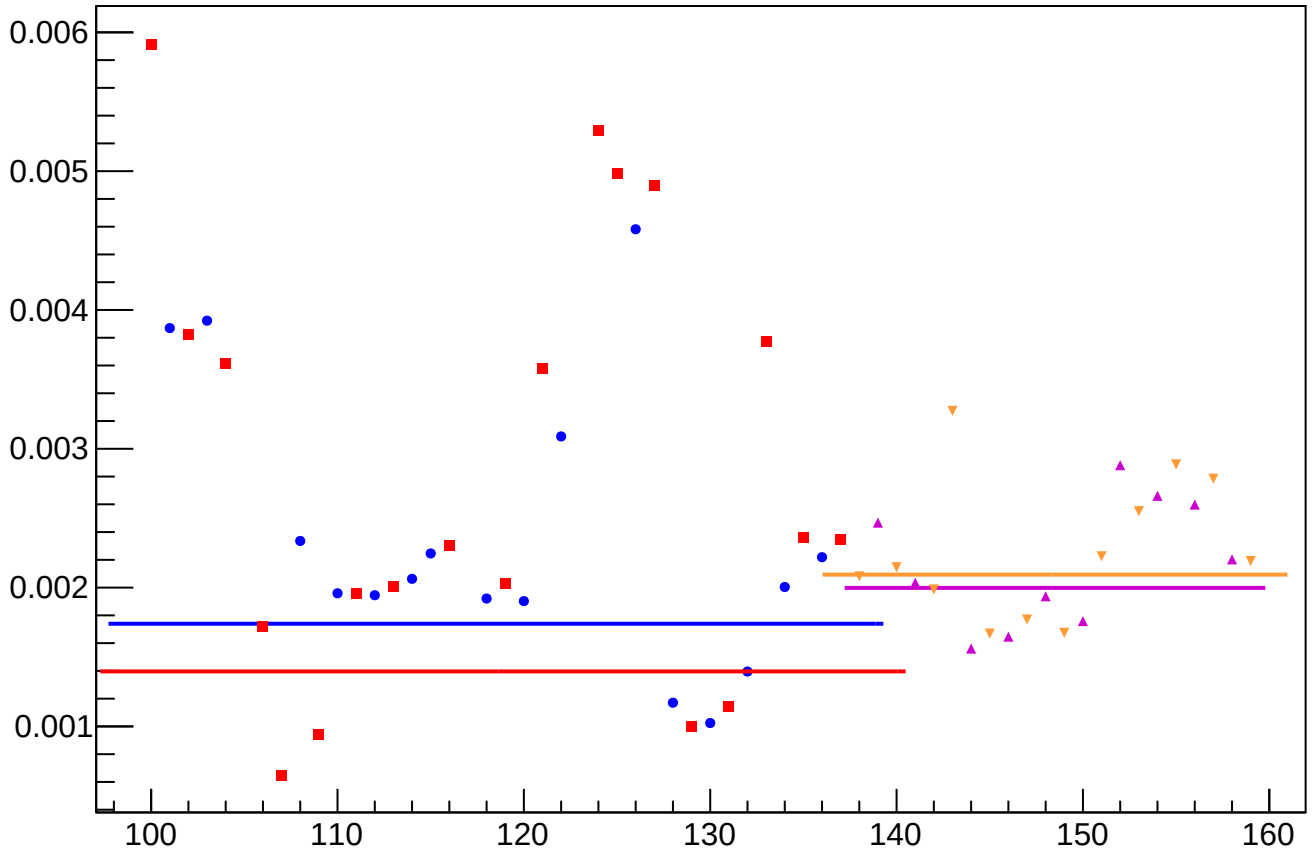
Left: 0.000+/-0.000 χ^2/NDF: 34.0/21

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:25.9/25

Out: -0.000+/-0.000 χ^2/NDF:47.3/30

All: -0.000+/-0.000 χ^2/NDF: 73.2/56



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:767053.4/11

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:686212.4/9

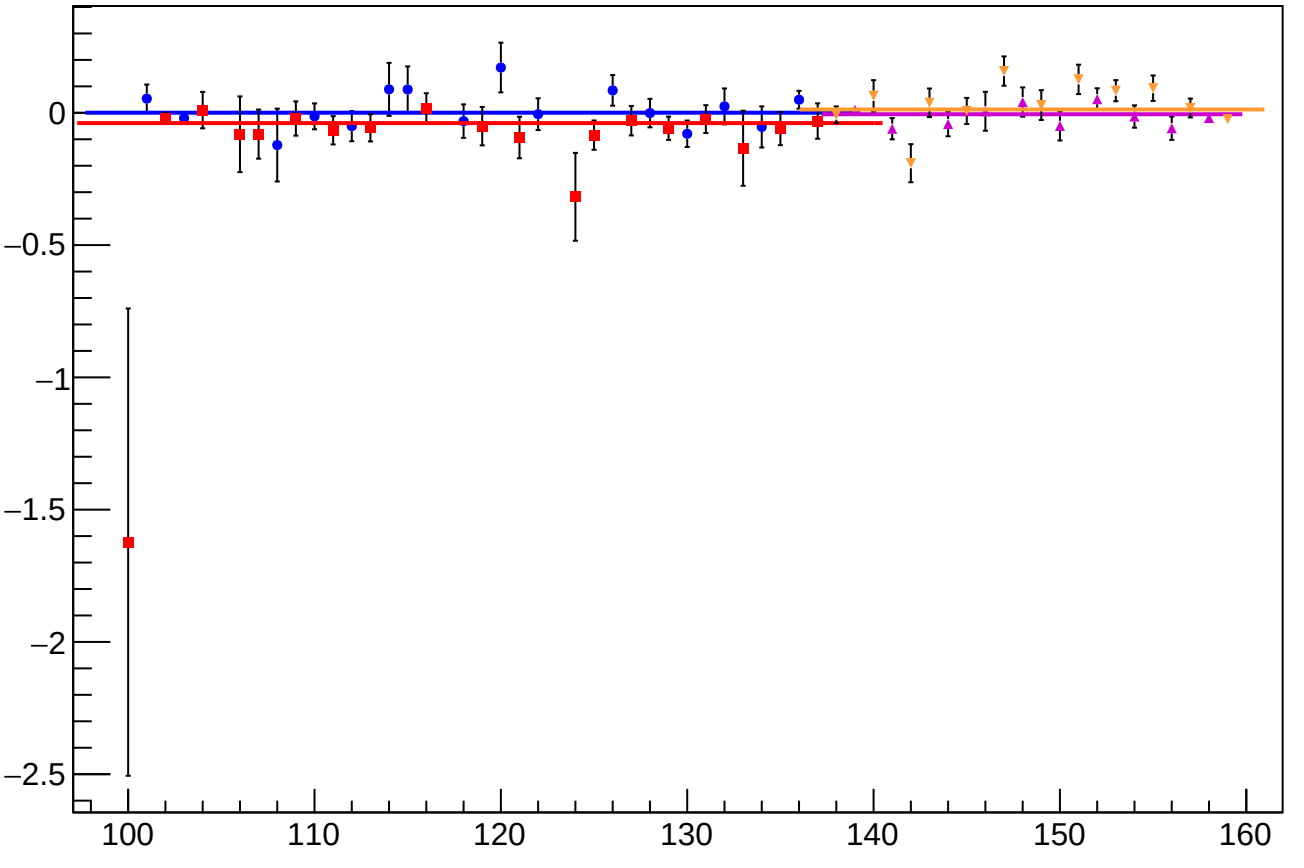
Left: 0.002+/-0.000 χ^2/NDF: 1472174.7/21

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2967256.0/25

Out: 0.002+/-0.000 χ^2/NDF:6222251.5/30

All: 0.002+/-0.000 χ^2/NDF: 9319806.1/56



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.002+/-0.007 χ^2/NDF: 42.5/21

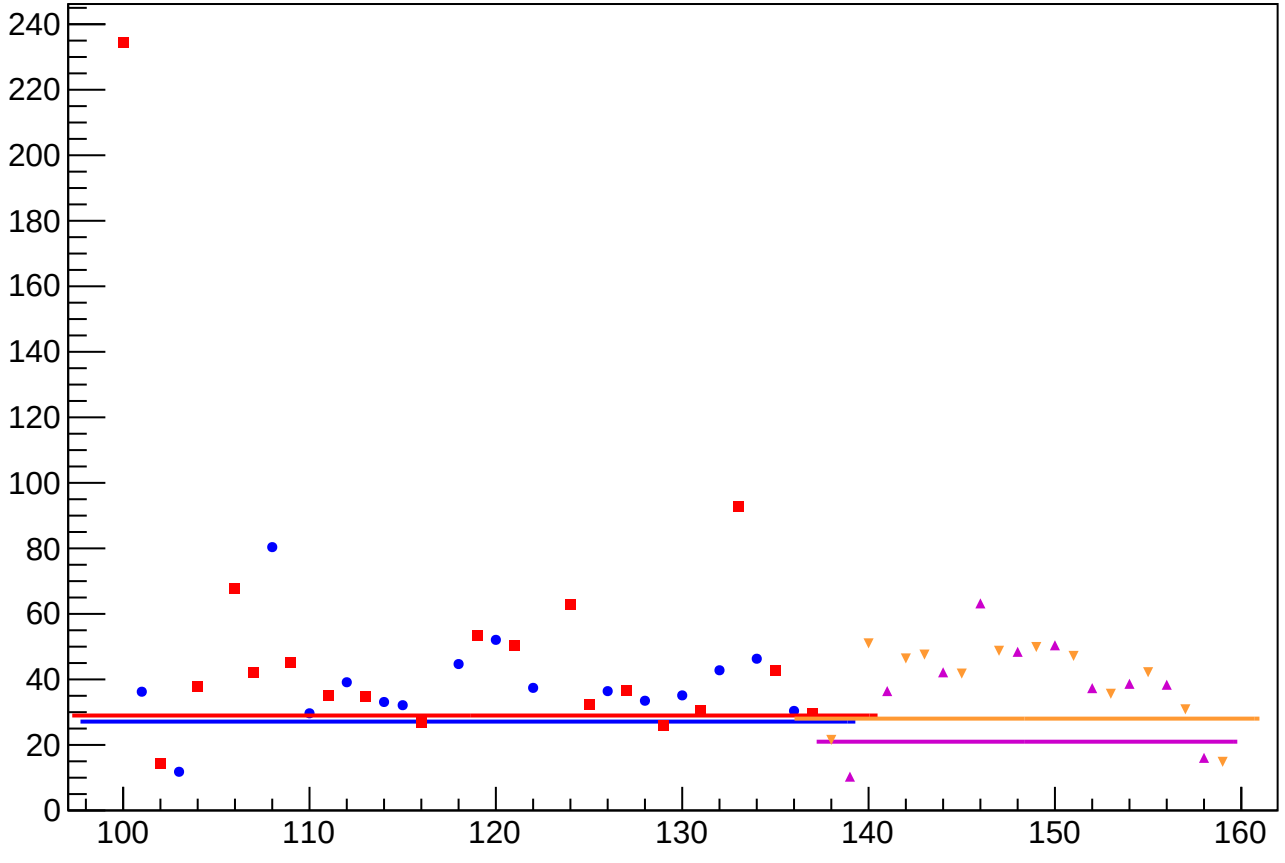
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.5/56

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: 28.033+/-0.008 χ^2/NDF:3296017.1/11

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

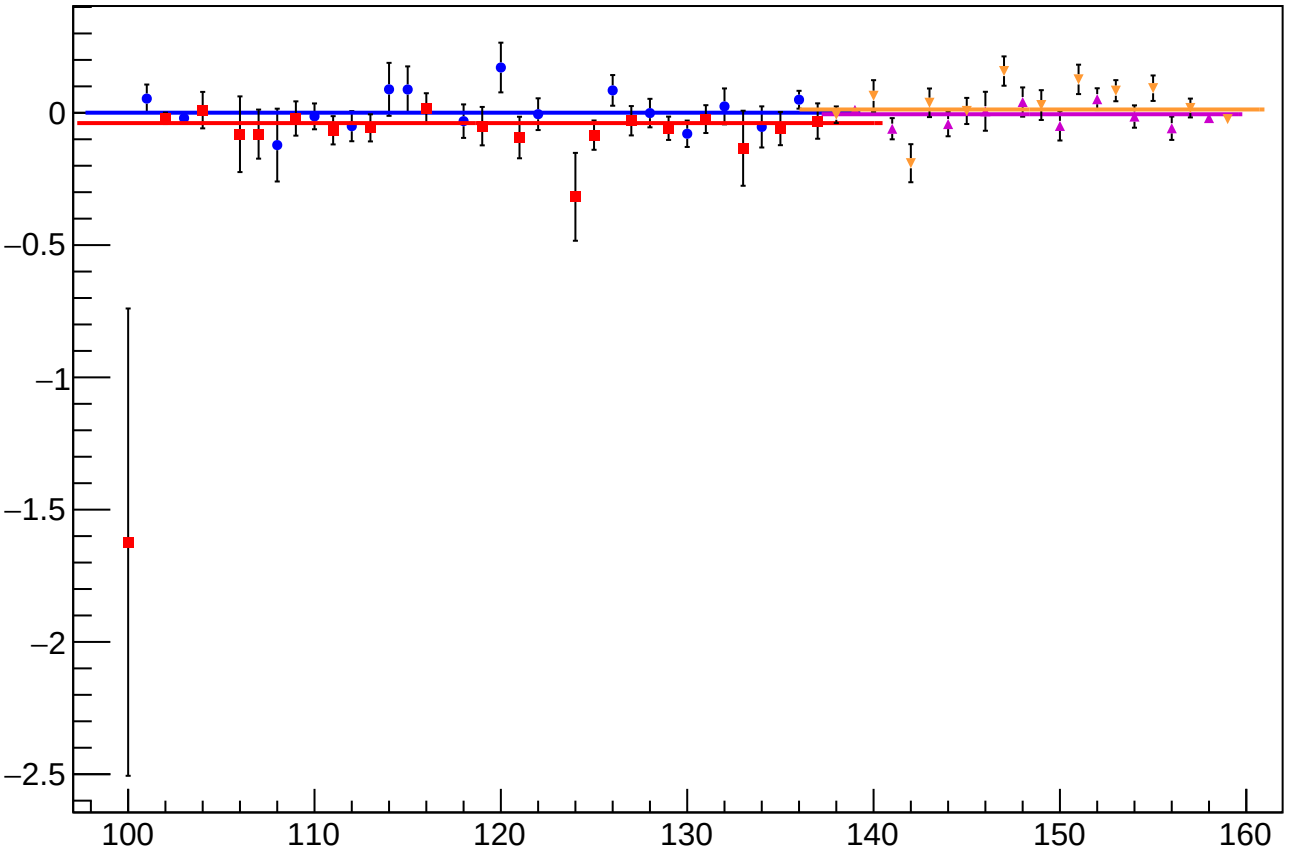
Left: 23.925+/-0.005 χ^2/NDF: 8629754.9/21

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.202+/-0.005 χ^2/NDF:7575402.6/25

Out: 28.428+/-0.006 χ^2/NDF:5758249.8/30

All: 25.499+/-0.004 χ^2/NDF: 13793668.7/56



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.002+/-0.007 χ^2/NDF: 42.5/21

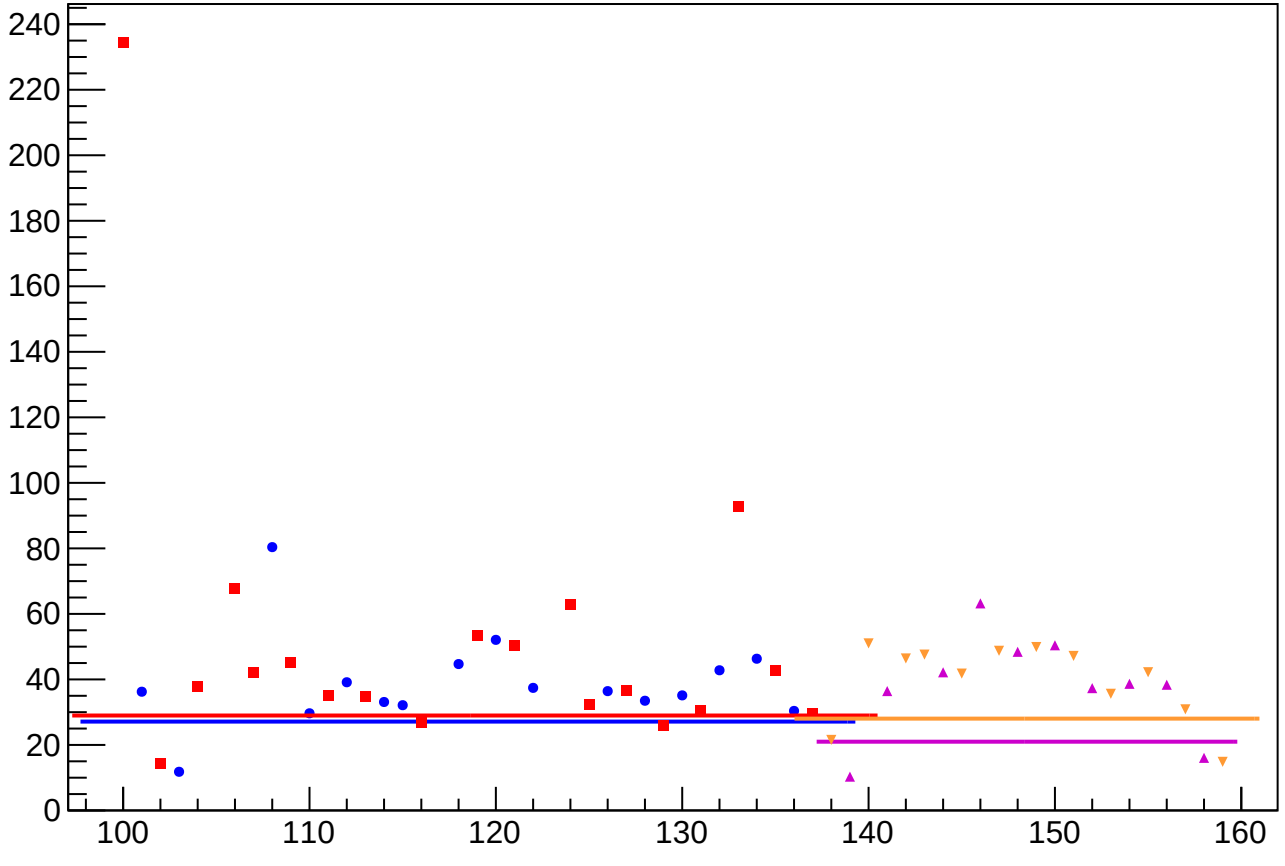
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.5/56

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: 28.033+/-0.008 χ^2/NDF:3296017.1/11

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

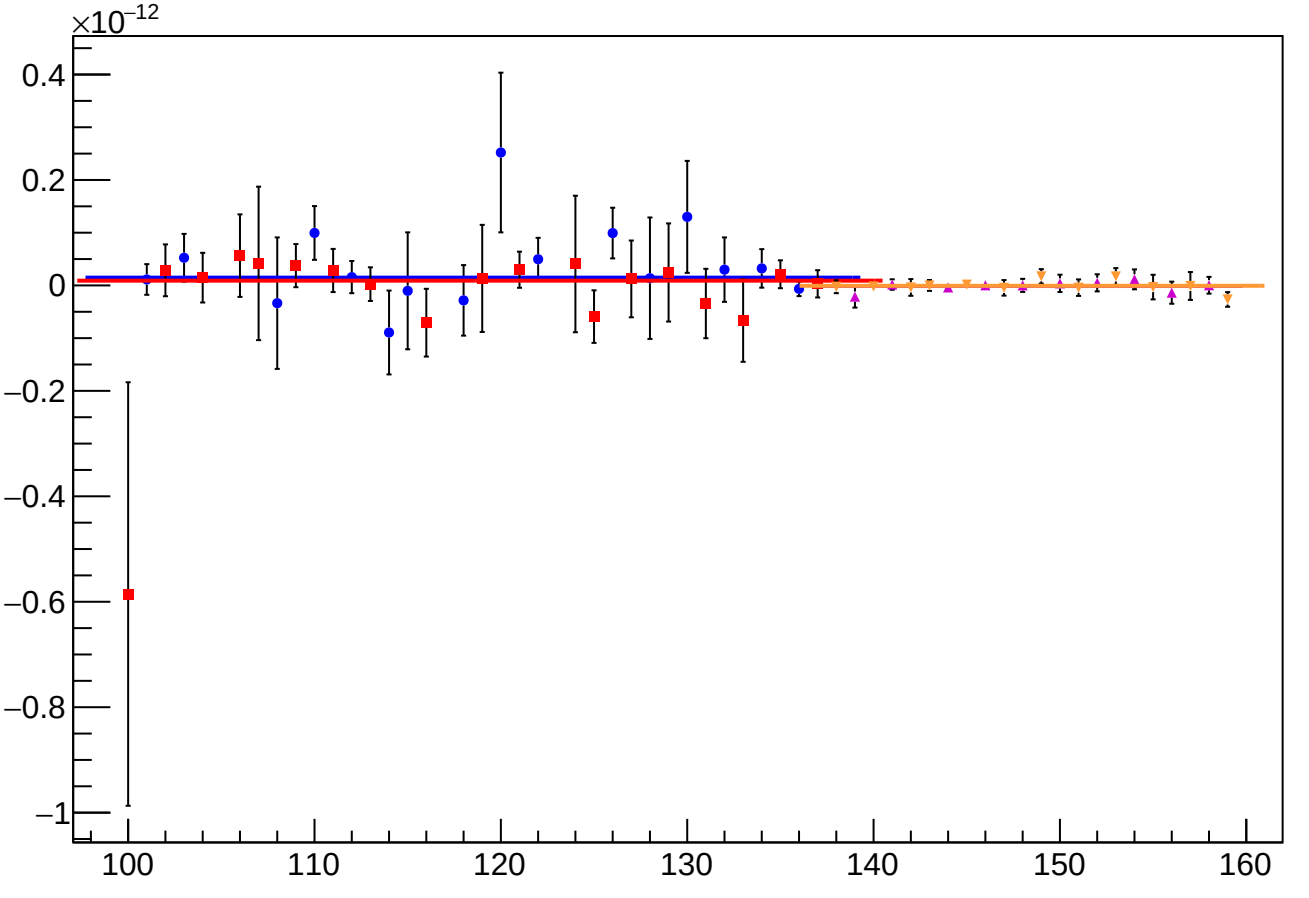
Left: 23.925+/-0.005 χ^2/NDF: 8629754.9/21

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.202+/-0.005 χ^2/NDF:7575402.6/25

Out: 28.428+/-0.006 χ^2/NDF:5758249.8/30

All: 25.499+/-0.004 χ^2/NDF: 13793668.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/9

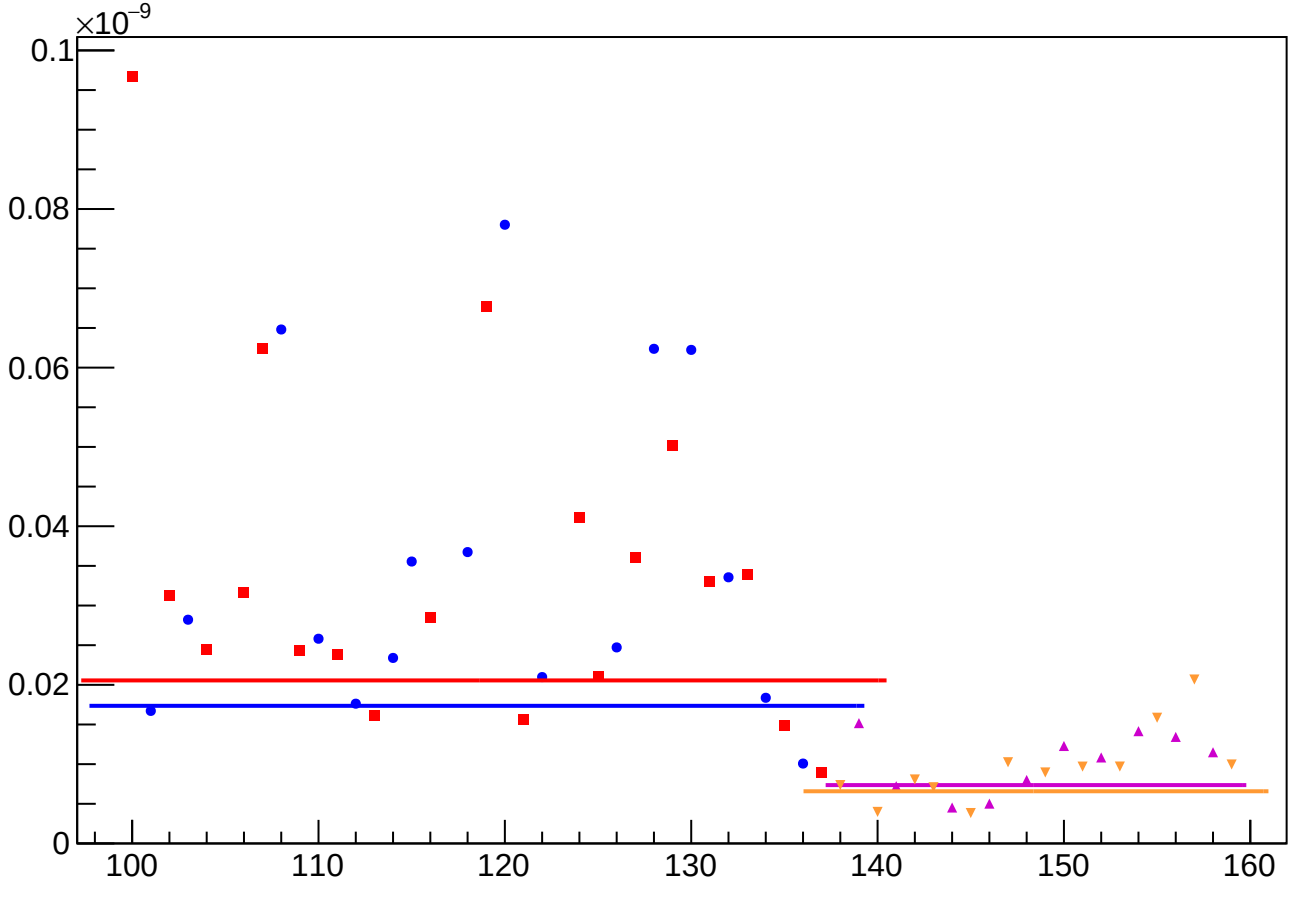
Left: -0.000+/-0.000 χ^2/NDF: 9.0/21

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:20.7/25

Out: 0.000+/-0.000 χ^2/NDF:16.5/30

All: 0.000+/-0.000 χ^2/NDF: 37.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2042747.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1663273.6/9

Left: 0.000+/-0.000 χ^2/NDF: 3756231.6/21

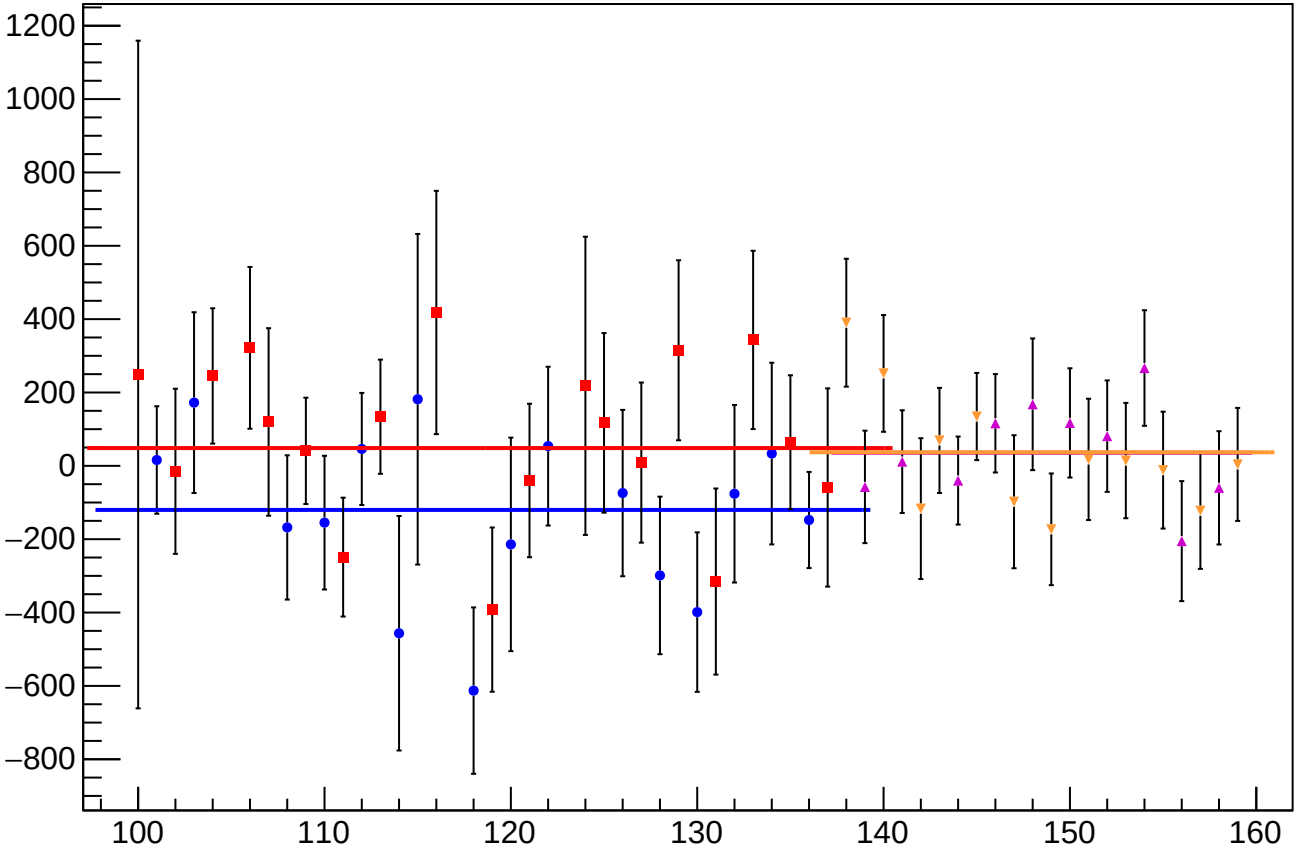
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6048346.3/25

Out: 0.000+/-0.000 χ^2/NDF:7023252.1/30

All: 0.000+/-0.000 χ^2/NDF: 13150714.8/56

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 36.966+/-45.139 χ^2/NDF:10.9/11

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 35.737+/-46.754 χ^2/NDF:6.8/9

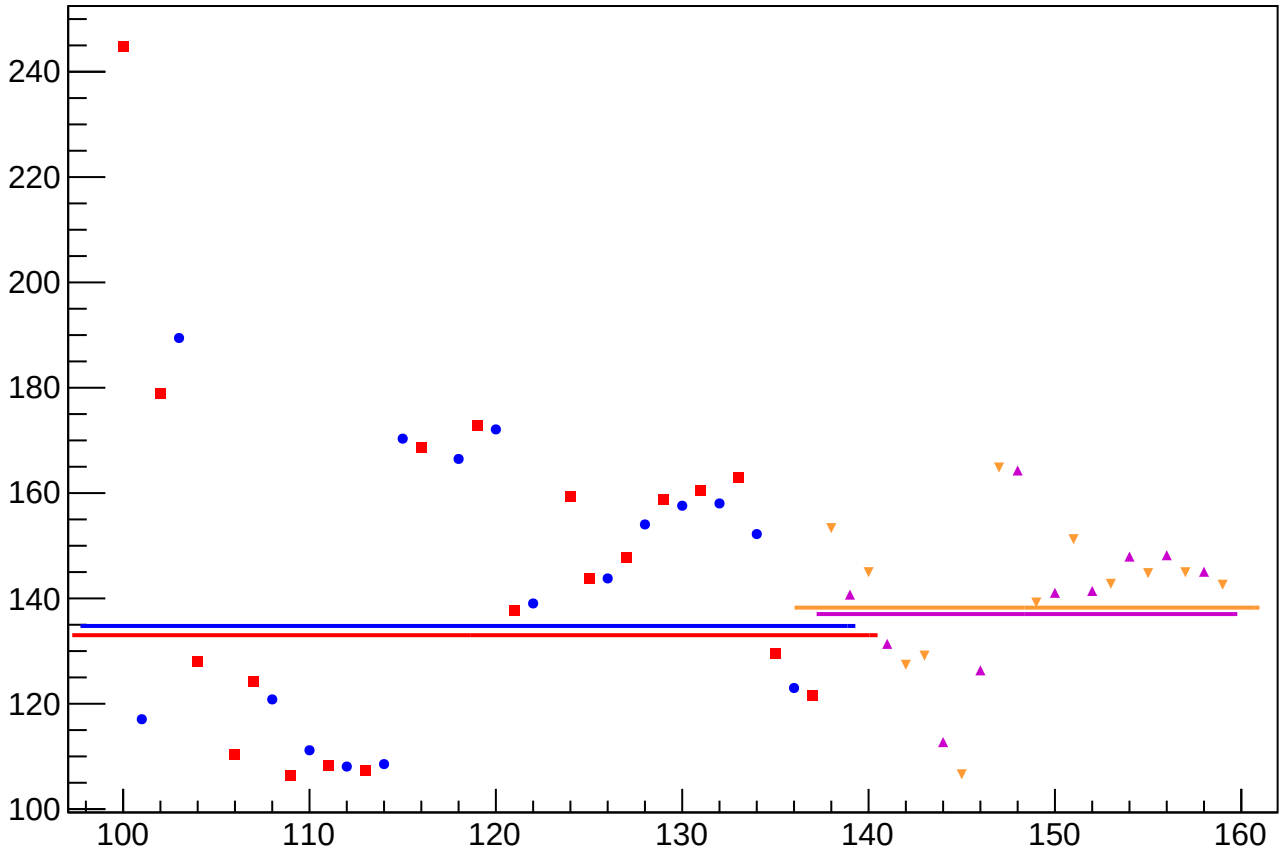
Left: 36.373+/-32.474 χ^2/NDF: 17.7/21

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -35.296+/-34.495 χ^2/NDF:25.3/25

Out: 42.132+/-33.478 χ^2/NDF:28.0/30

All: 4.577+/-24.024 χ^2/NDF: 55.8/56



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.251+/-0.032 χ^2/NDF:240471.9/11

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

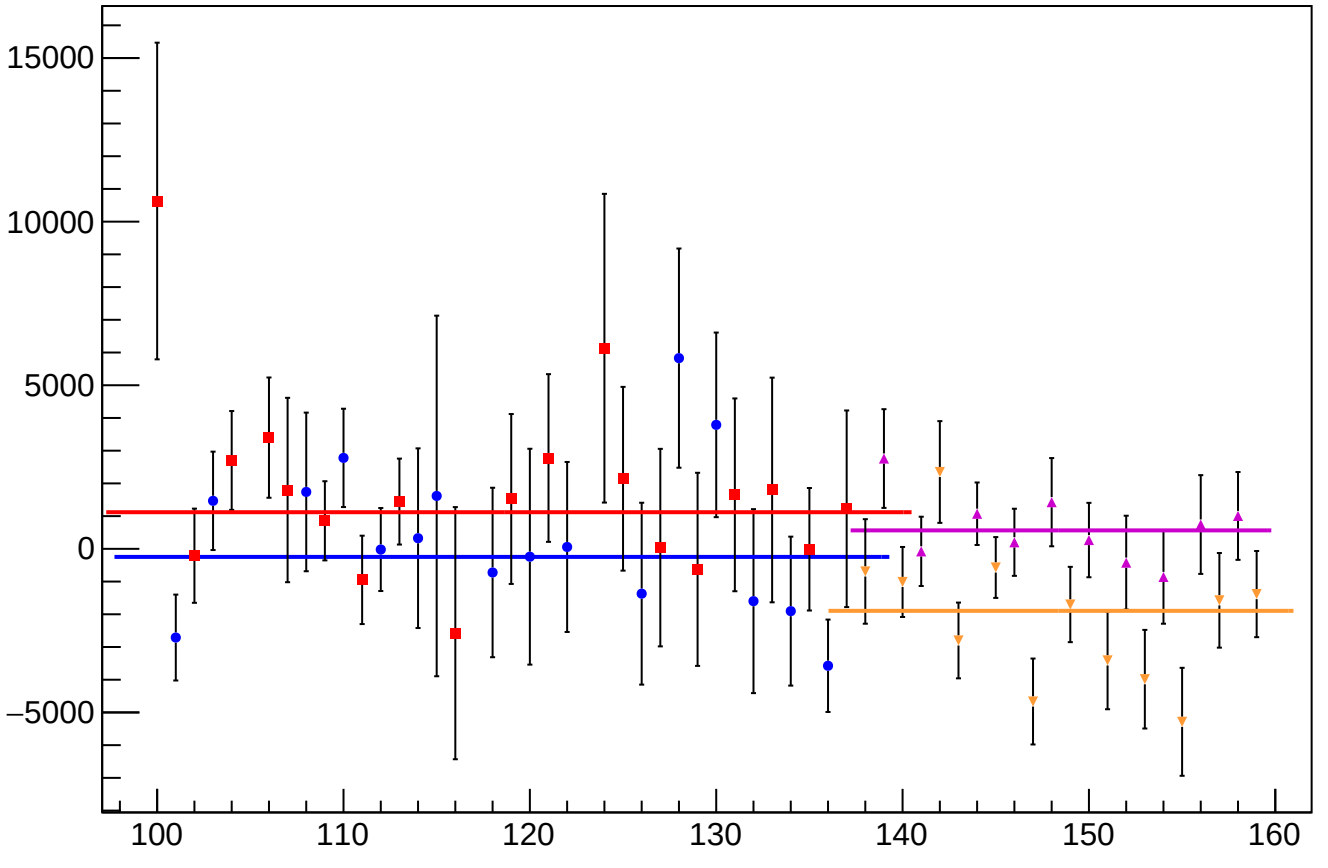
Left: 137.660+/-0.023 χ^2/NDF: 413930.9/21

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 135.999+/-0.024 χ^2/NDF:591647.8/25

Out: 135.897+/-0.024 χ^2/NDF:748278.7/30

All: 135.947+/-0.017 χ^2/NDF: 1339935.4/56



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1894.965+/-371.938 χ^2/NDF:23.2/11

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 563.805+/-387.166 χ^2/NDF:5.0/9

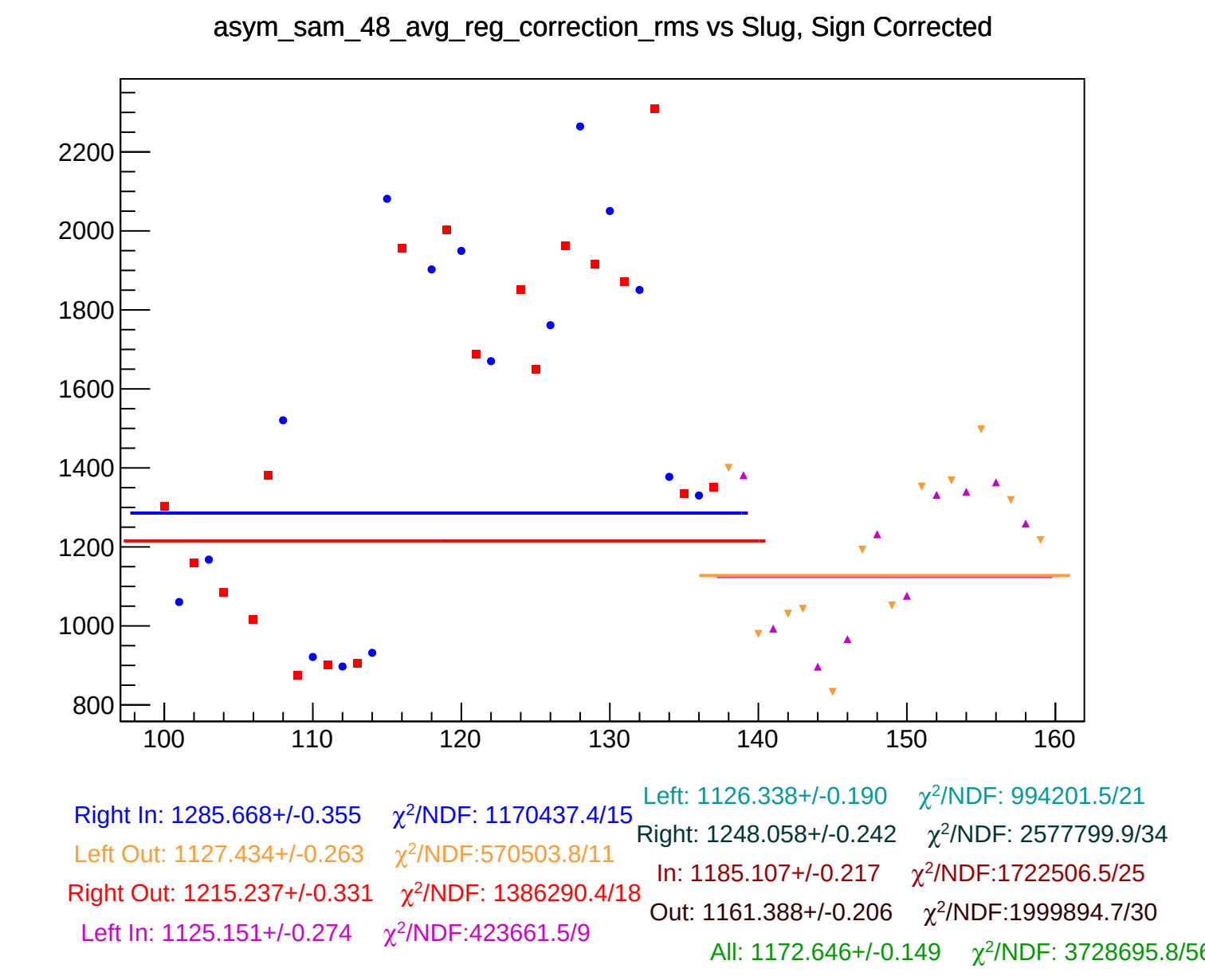
Left: -714.885+/-268.222 χ^2/NDF: 49.1/21

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

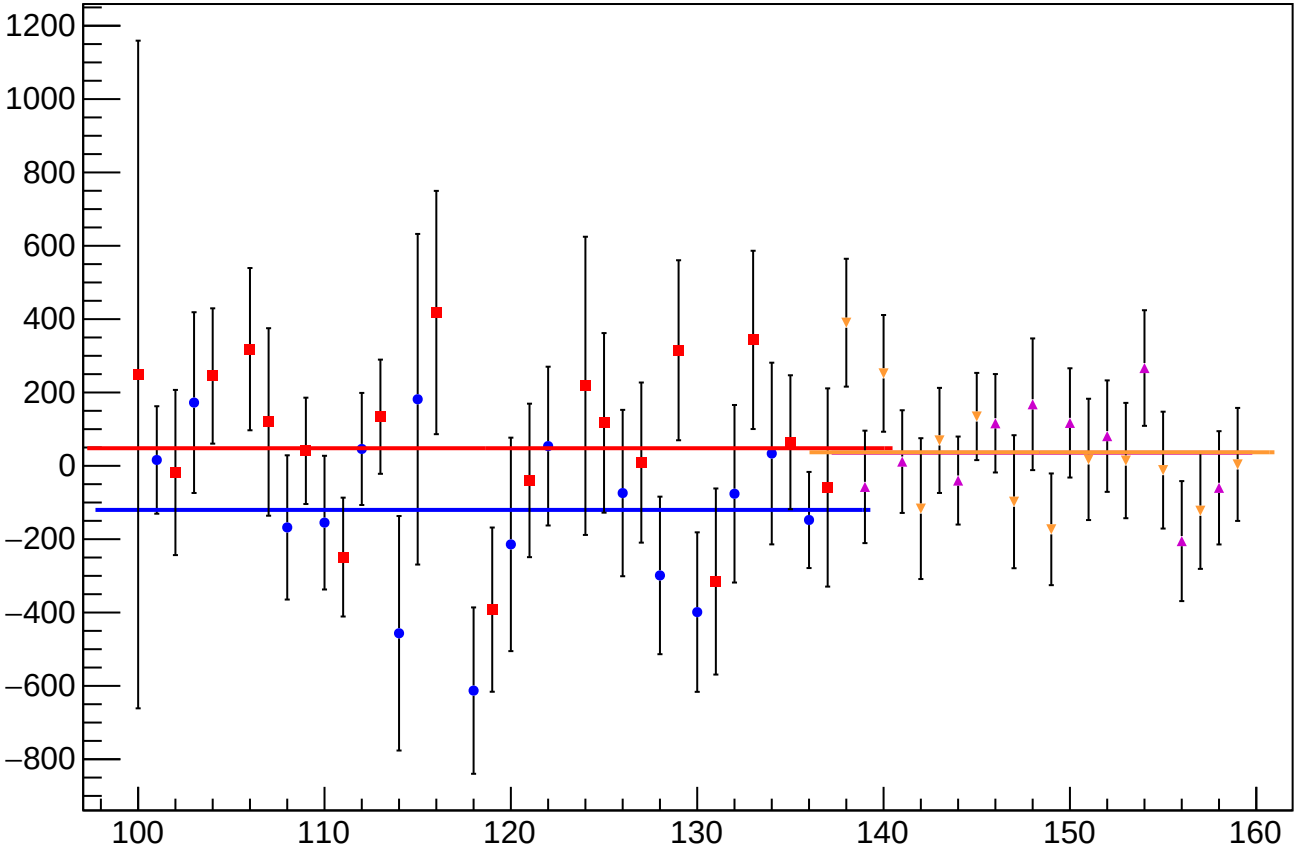
In: 261.195+/-306.444 χ^2/NDF:28.2/25

Out: -729.292+/-291.277 χ^2/NDF:62.0/30

All: -259.167+/-211.122 χ^2/NDF: 95.7/56


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1127.434+/-0.263 χ²/NDF:570503.8/11
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1125.151+/-0.274 χ²/NDF:423661.5/9
Left: 1126.338+/-0.190 χ²/NDF: 994201.5/21
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1185.107+/-0.217 χ²/NDF:1722506.5/25
Out: 1161.388+/-0.206 χ²/NDF:1999894.7/30
All: 1172.646+/-0.149 χ²/NDF: 3728695.8/56

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 36.968+/-45.139 χ^2/NDF:10.9/11

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 35.740+/-46.754 χ^2/NDF:6.8/9

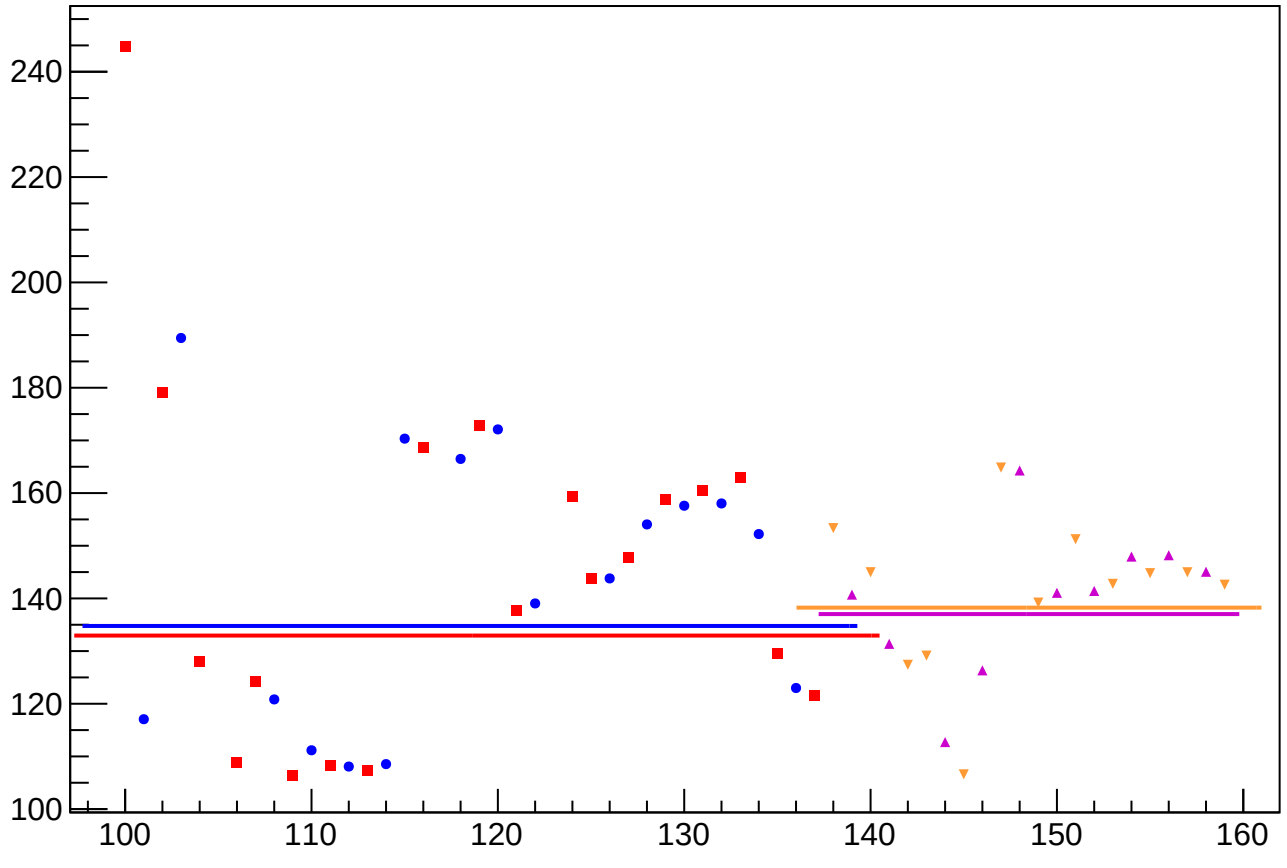
Left: 36.375+/-32.474 χ^2/NDF: 17.7/21

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -35.299+/-34.495 χ^2/NDF:25.3/25

Out: 41.936+/-33.481 χ^2/NDF:27.9/30

All: 4.471+/-24.025 χ^2/NDF: 55.8/56



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.251+/-0.032 χ^2/NDF:240471.9/11

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

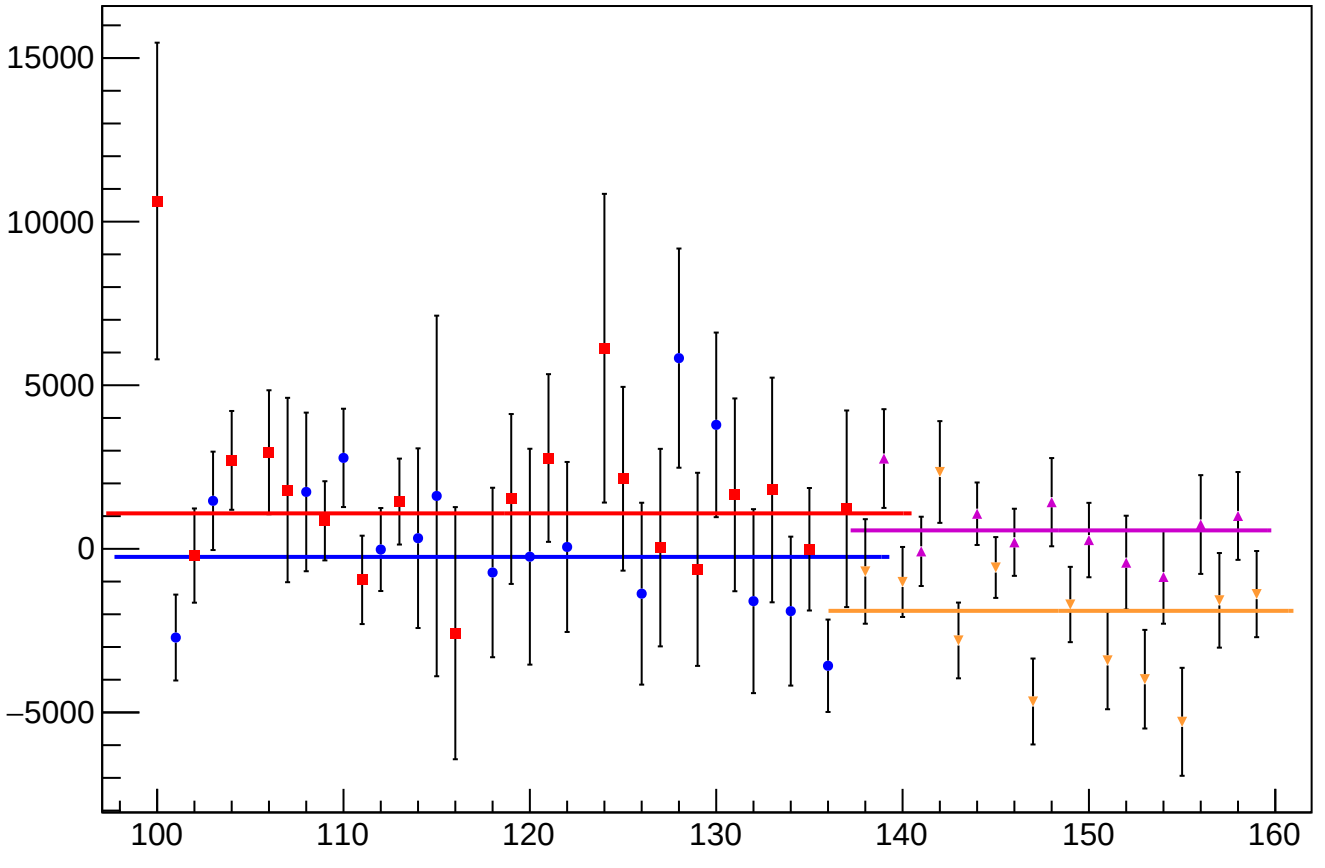
Left: 137.660+/-0.023 χ^2/NDF: 413930.9/21

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 135.999+/-0.024 χ^2/NDF:591650.8/25

Out: 135.865+/-0.024 χ^2/NDF:751746.6/30

All: 135.930+/-0.017 χ^2/NDF: 1343412.8/56



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1894.962+/-371.938 χ^2/NDF:23.2/11

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 563.814+/-387.166 χ^2/NDF:5.0/9

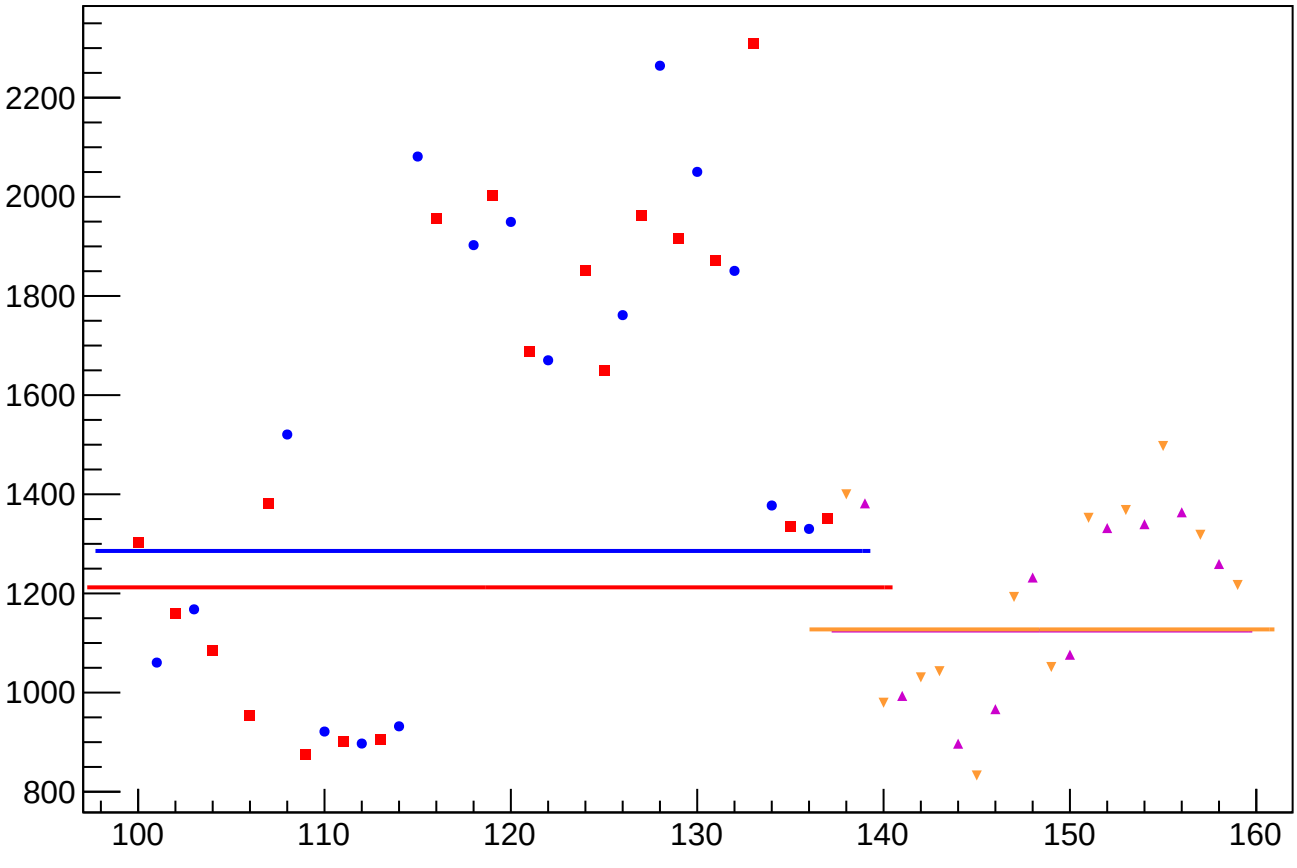
Left: -714.879+/-268.222 χ^2/NDF: 49.1/21

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 261.178+/-306.445 χ^2/NDF:28.2/25

Out: -745.734+/-291.498 χ^2/NDF:60.7/30

All: -267.433+/-211.207 χ^2/NDF: 94.6/56



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1127.434+/-0.263 χ^2/NDF:570506.3/11

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

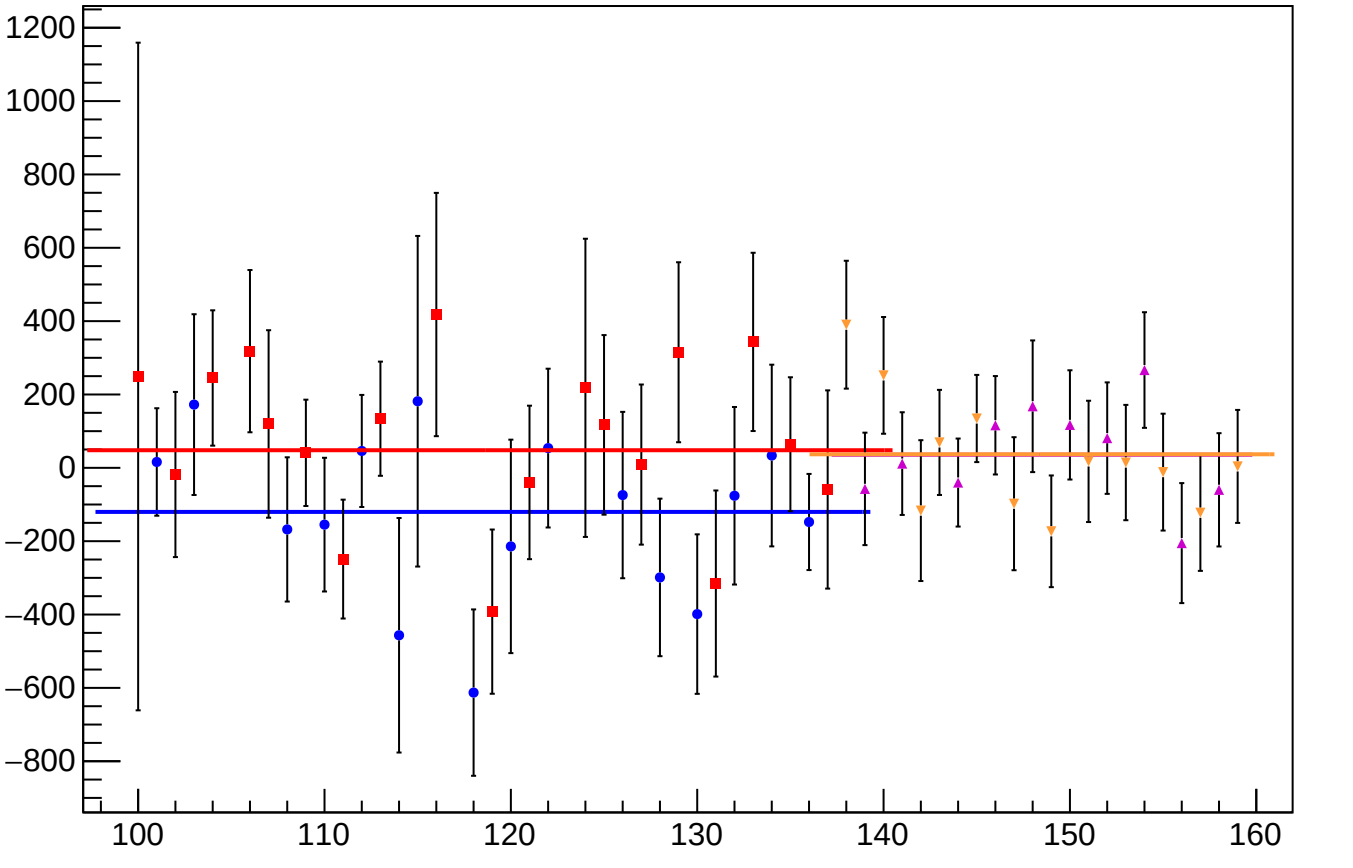
Left: 1126.339+/-0.190 χ^2/NDF: 994201.7/21

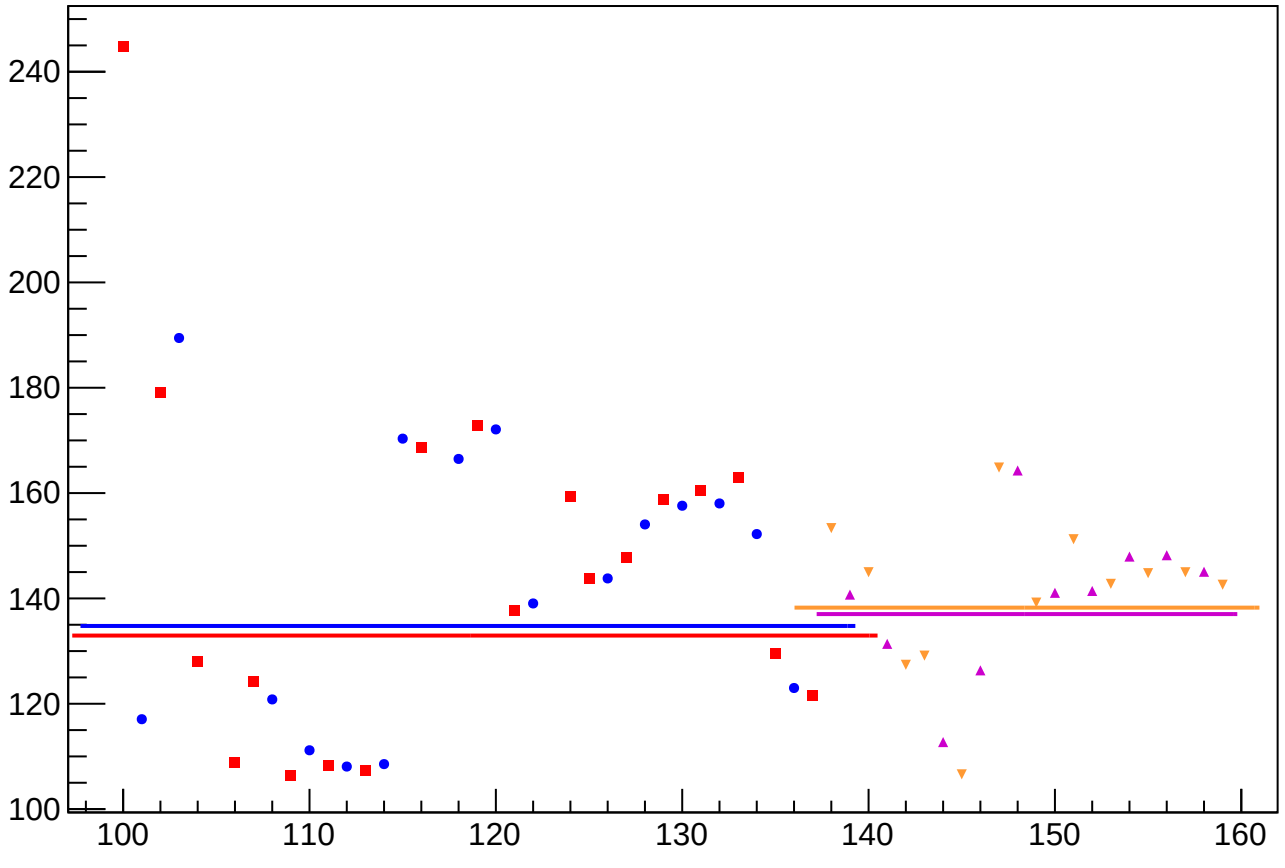
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1185.111+/-0.217 χ^2/NDF:1722498.8/25

Out: 1160.163+/-0.206 χ^2/NDF:2011286.9/30

All: 1172.014+/-0.149 χ^2/NDF: 3740744.6/56


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
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 36.968+/-45.139 χ²/NDF:10.9/11
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 35.740+/-46.754 χ²/NDF:6.8/9
Left: 36.375+/-32.474 χ²/NDF: 17.7/21
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -35.299+/-34.495 χ²/NDF:25.3/25
Out: 41.936+/-33.481 χ²/NDF:27.9/30
All: 4.471+/-24.025 χ²/NDF: 55.8/56



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.251+/-0.032 χ^2/NDF:240471.9/11

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

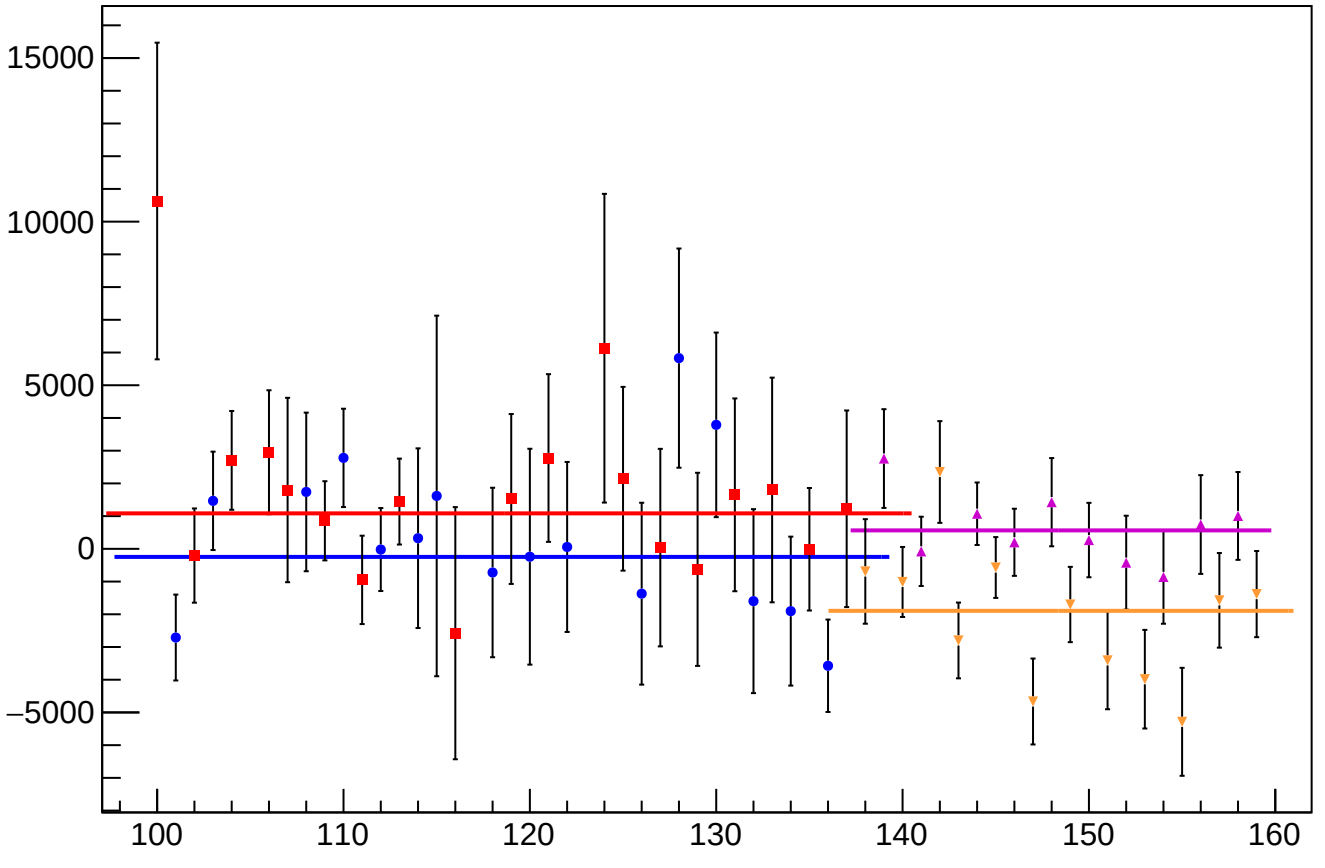
Left: 137.660+/-0.023 χ^2/NDF: 413930.9/21

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 135.999+/-0.024 χ^2/NDF:591650.8/25

Out: 135.865+/-0.024 χ^2/NDF:751746.6/30

All: 135.930+/-0.017 χ^2/NDF: 1343412.8/56



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1894.962+/-371.938 χ^2/NDF:23.2/11

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 563.814+/-387.166 χ^2/NDF:5.0/9

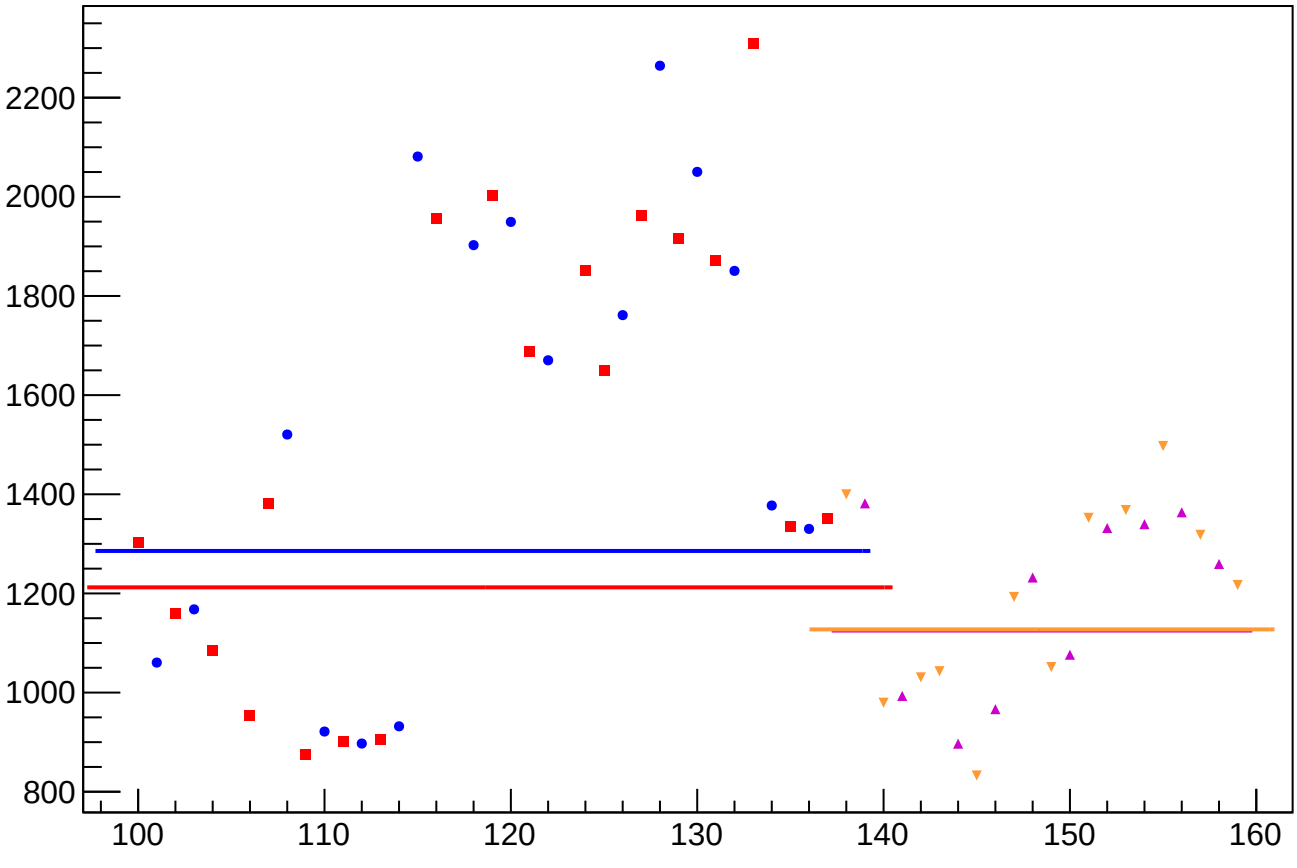
Left: -714.879+/-268.222 χ^2/NDF: 49.1/21

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 261.178+/-306.445 χ^2/NDF:28.2/25

Out: -745.734+/-291.498 χ^2/NDF:60.7/30

All: -267.433+/-211.207 χ^2/NDF: 94.6/56



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1127.434+/-0.263 χ^2/NDF:570506.3/11

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

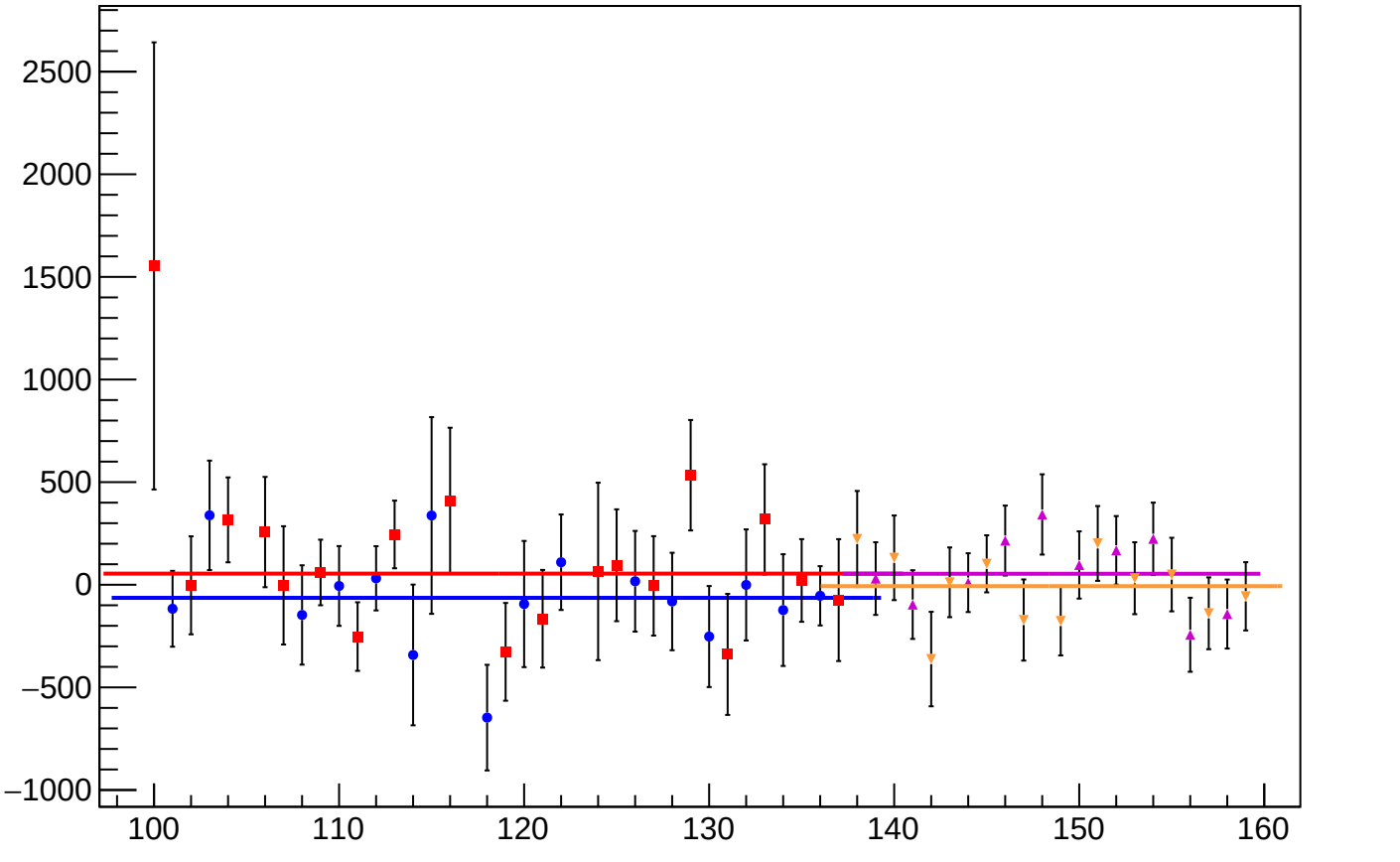
Left: 1126.339+/-0.190 χ^2/NDF: 994201.7/21

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1185.111+/-0.217 χ^2/NDF:1722498.8/25

Out: 1160.163+/-0.206 χ^2/NDF:2011286.9/30

All: 1172.014+/-0.149 χ^2/NDF: 3740744.6/56



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -6.925+/-51.936 χ^2/NDF:8.3/11

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 53.544+/-53.579 χ^2/NDF:9.5/9

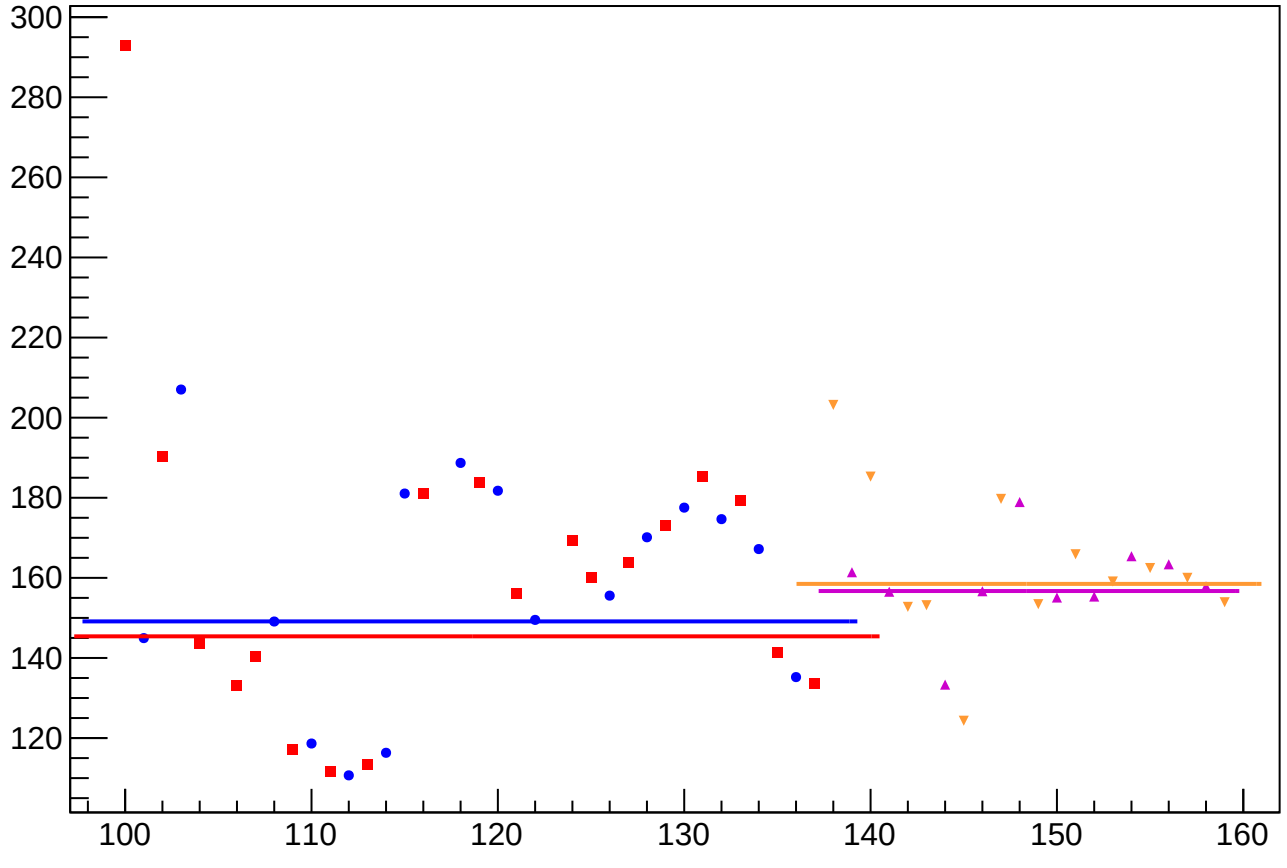
Left: 22.368+/-37.292 χ^2/NDF: 18.5/21

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -1.767+/-38.954 χ^2/NDF:22.6/25

Out: 22.080+/-37.677 χ^2/NDF:28.4/30

All: 10.554+/-27.082 χ^2/NDF: 51.2/56



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.494+/-0.037 χ^2/NDF:261471.1/11

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 156.713+/-0.038 χ^2/NDF:88466.1/9

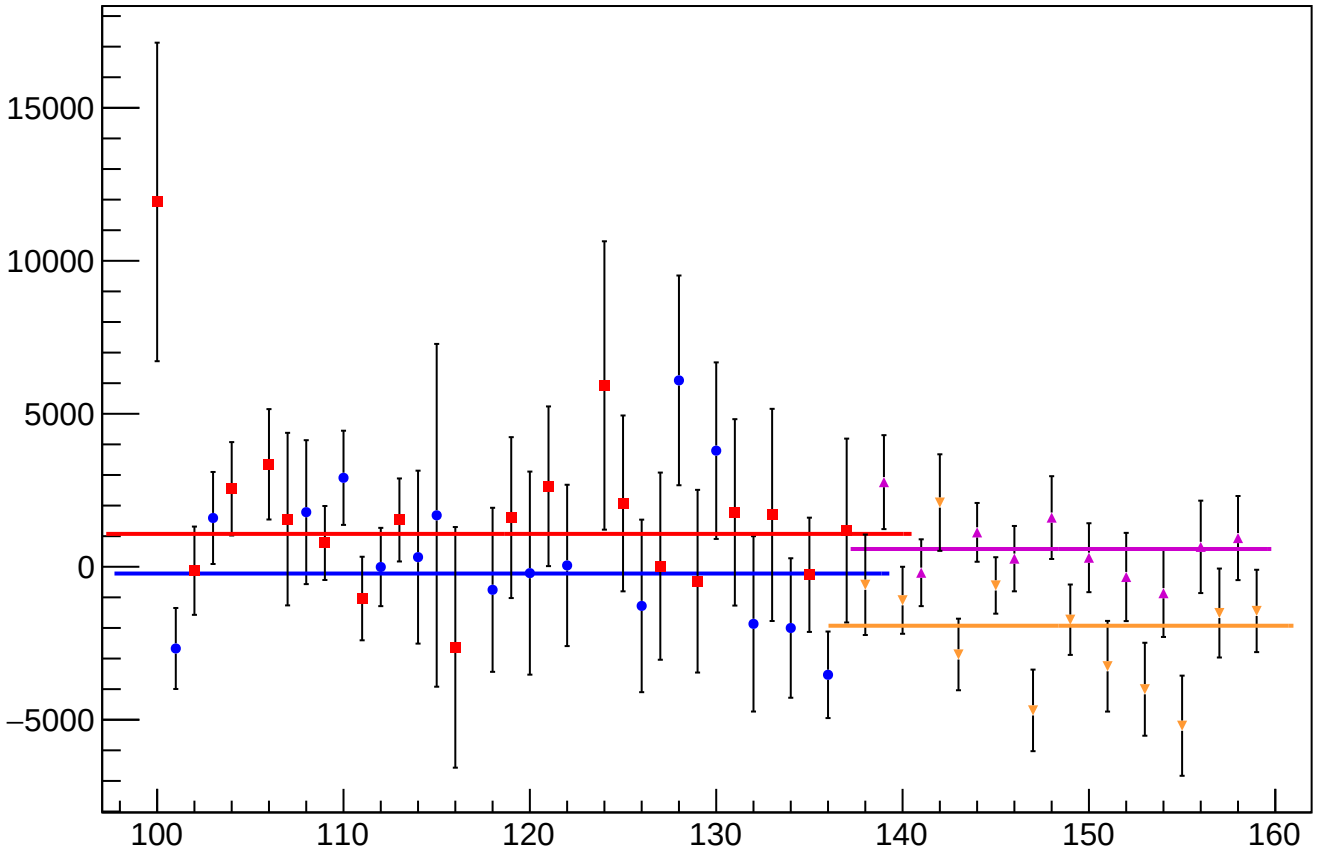
Left: 157.631+/-0.026 χ^2/NDF: 351076.0/21

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 153.138+/-0.028 χ^2/NDF:558355.3/25

Out: 152.291+/-0.027 χ^2/NDF:847518.8/30

All: 152.701+/-0.019 χ^2/NDF: 1406363.4/56



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1927.438+/-374.842 χ^2/NDF:21.6/11

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 580.819+/-392.431 χ^2/NDF:5.1/9

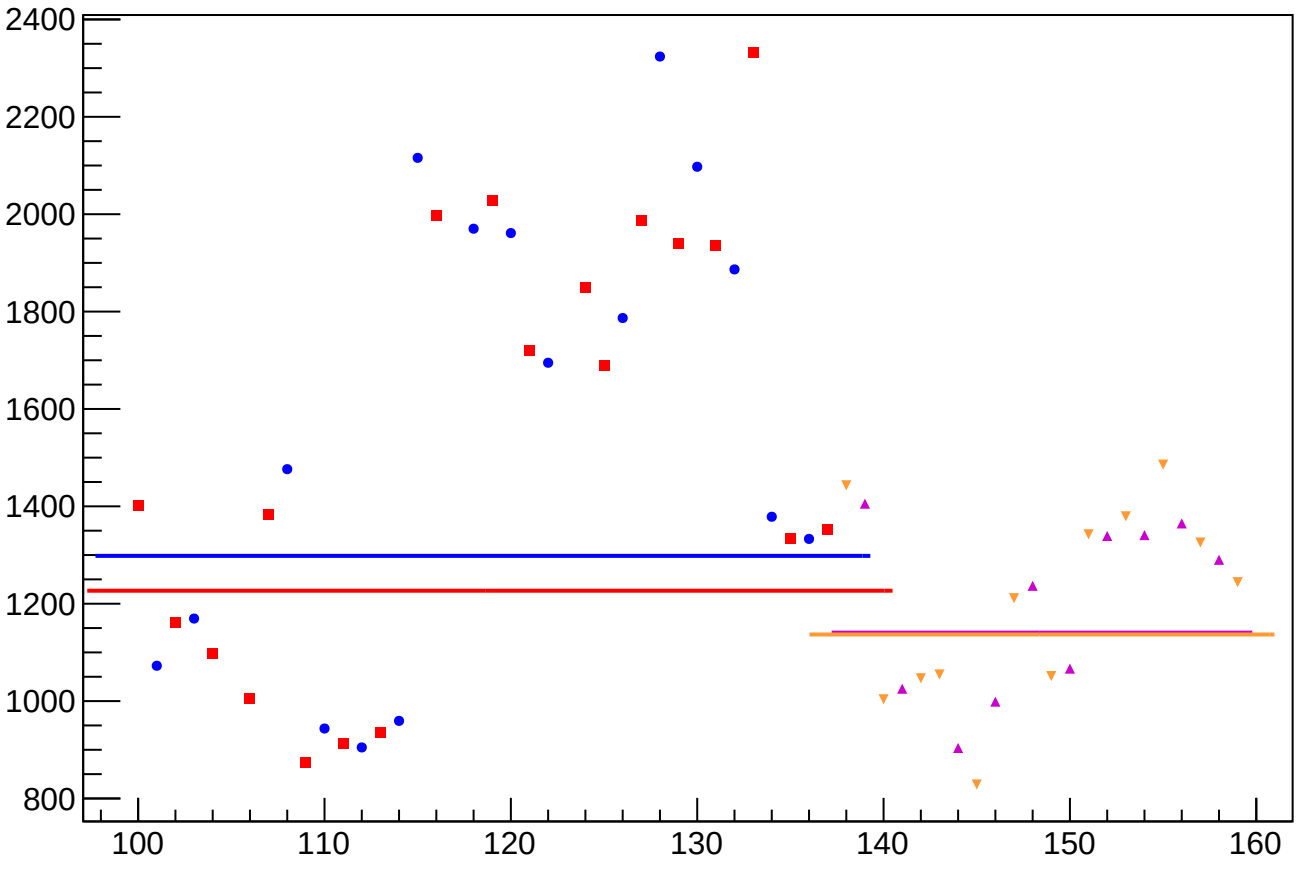
Left: -730.777+/-271.058 χ^2/NDF: 48.1/21

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 279.732+/-310.146 χ^2/NDF:28.5/25

Out: -768.891+/-293.733 χ^2/NDF:60.0/30

All: -273.059+/-213.267 χ^2/NDF: 94.5/56



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1136.788+/-0.265 χ^2/NDF:582635.4/11

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1140.670+/-0.277 χ^2/NDF:402203.0/9

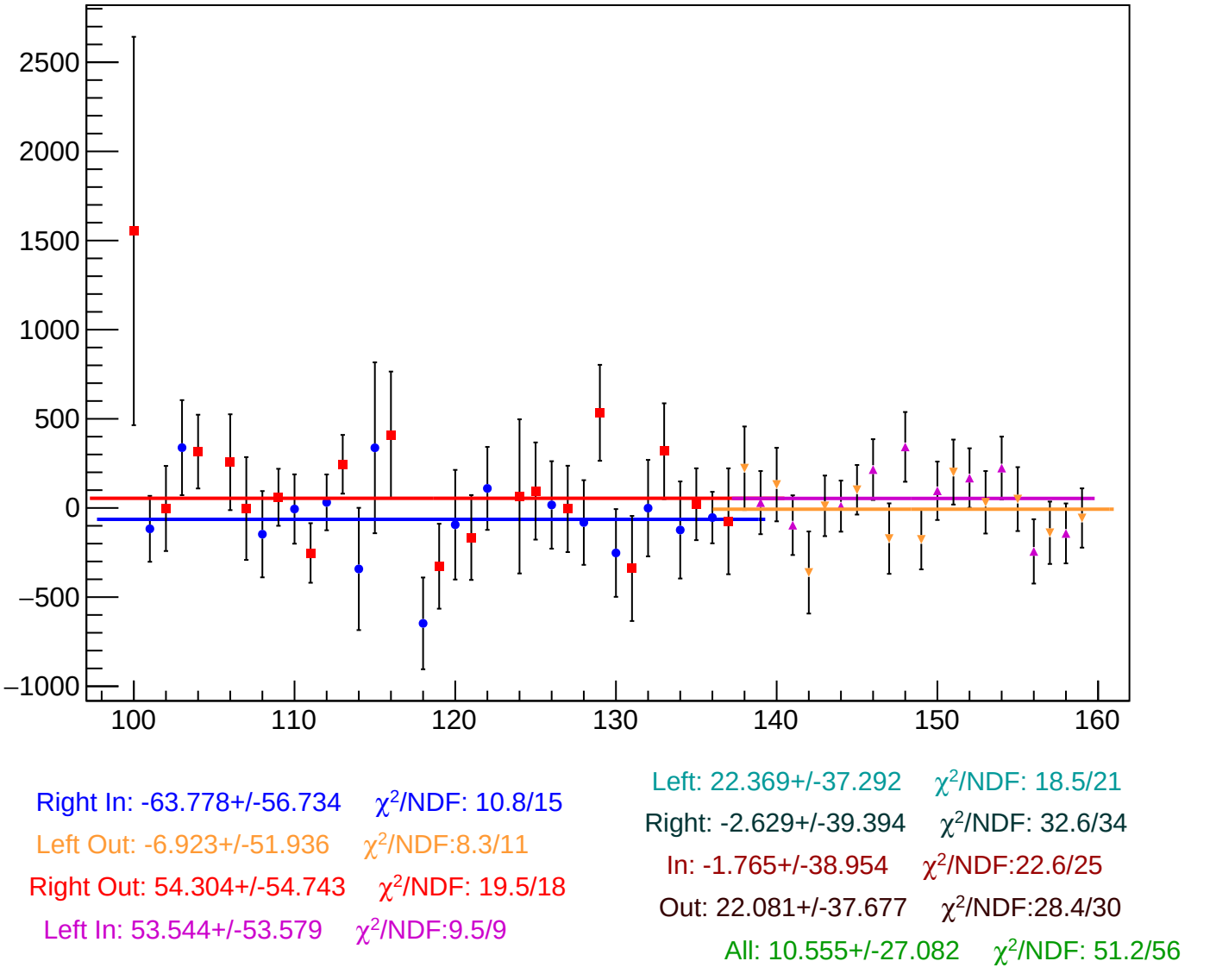
Left: 1138.640+/-0.192 χ^2/NDF: 984940.7/21

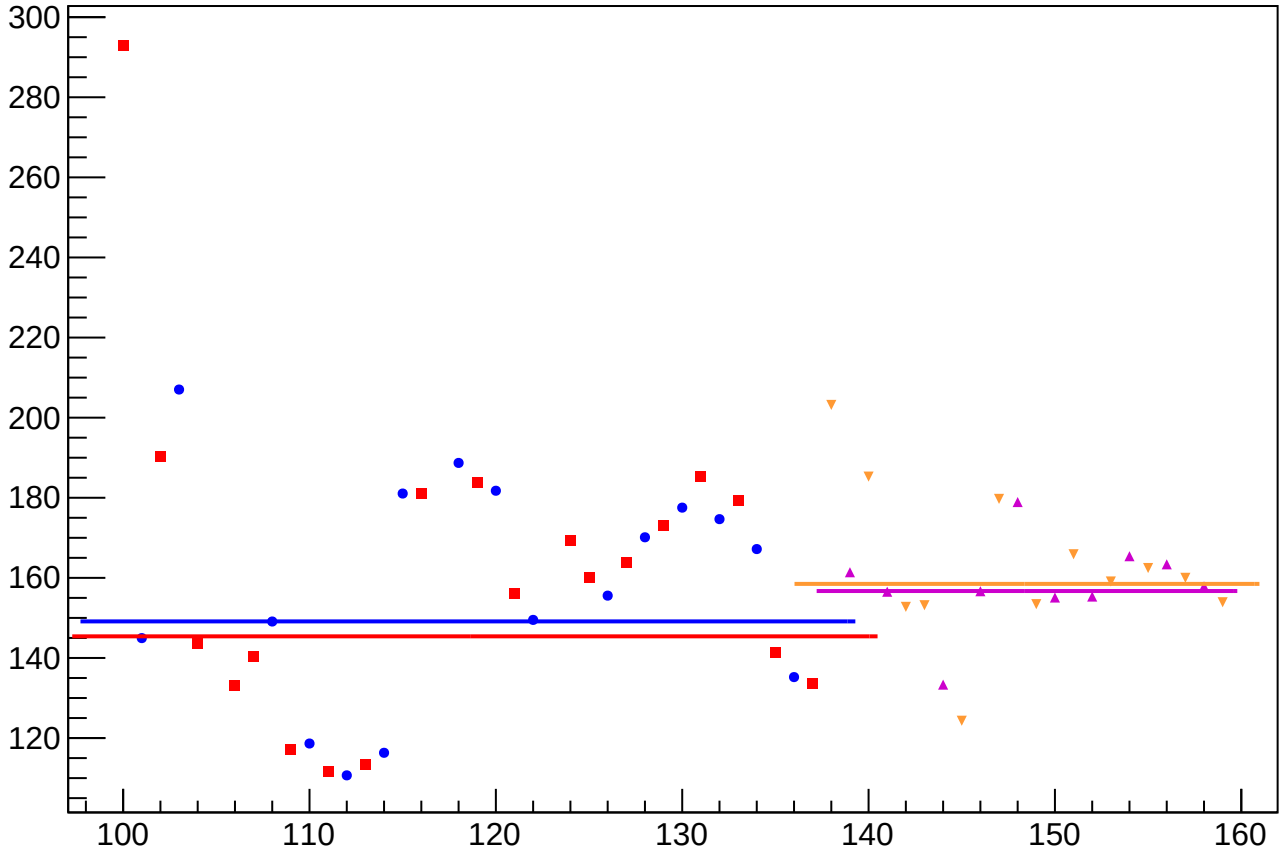
Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1199.840+/-0.219 χ^2/NDF:1705450.2/25

Out: 1171.500+/-0.208 χ^2/NDF:2031596.1/30

All: 1184.900+/-0.151 χ^2/NDF: 3745849.9/56


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -63.778+/-56.734 χ²/NDF: 10.8/15
Left Out: -6.923+/-51.936 χ²/NDF:8.3/11
Right Out: 54.304+/-54.743 χ²/NDF: 19.5/18
Left In: 53.544+/-53.579 χ²/NDF:9.5/9
Left: 22.369+/-37.292 χ²/NDF: 18.5/21
Right: -2.629+/-39.394 χ²/NDF: 32.6/34
In: -1.765+/-38.954 χ²/NDF:22.6/25
Out: 22.081+/-37.677 χ²/NDF:28.4/30
All: 10.555+/-27.082 χ²/NDF: 51.2/56



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.494+/-0.037 χ^2/NDF:261465.3/11

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 156.714+/-0.038 χ^2/NDF:88464.6/9

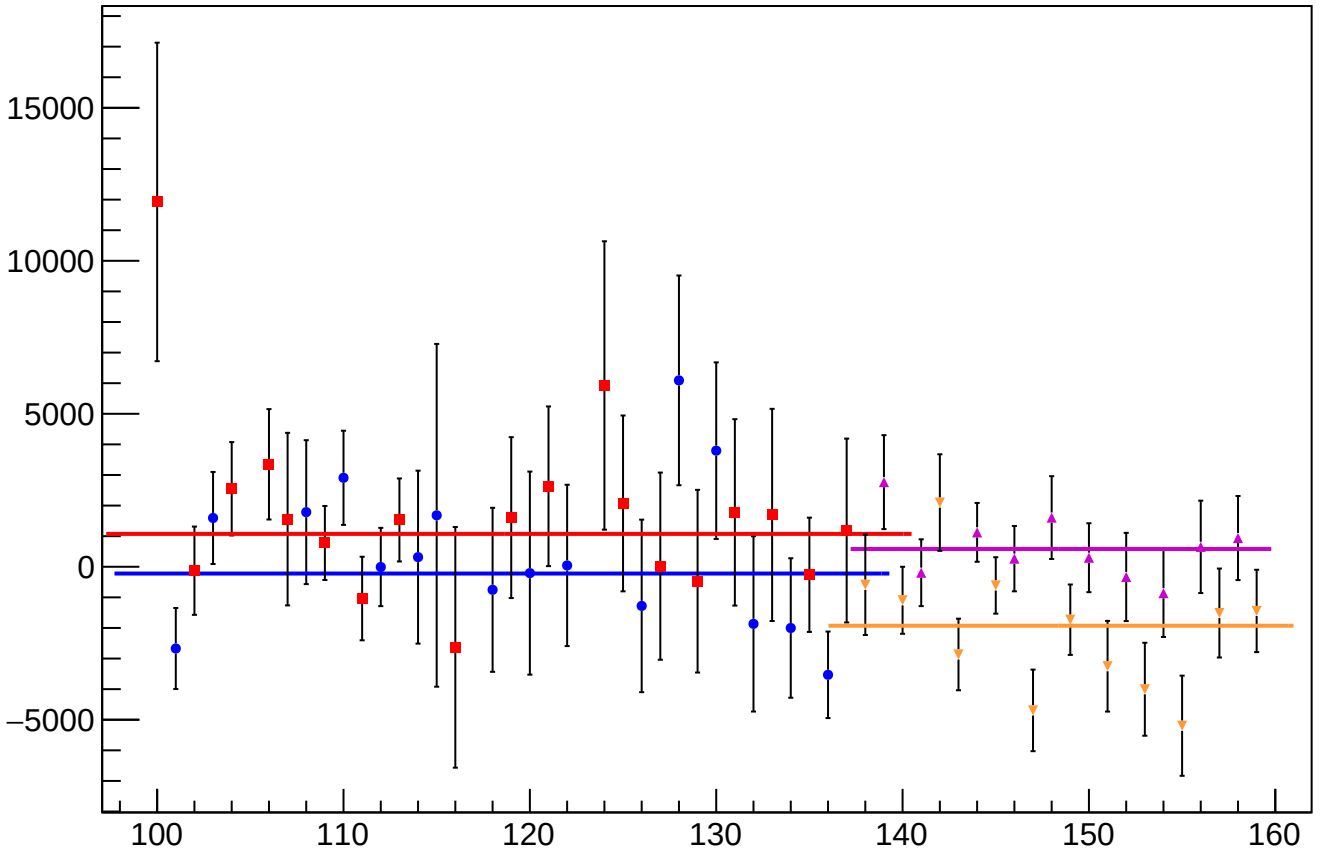
Left: 157.632+/-0.026 χ^2/NDF: 351068.7/21

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 153.139+/-0.028 χ^2/NDF:558357.2/25

Out: 152.291+/-0.027 χ^2/NDF:847519.3/30

All: 152.701+/-0.019 χ^2/NDF: 1406365.8/56



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1927.434+/-374.842 χ^2/NDF:21.6/11

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 580.818+/-392.430 χ^2/NDF:5.1/9

Left: -730.777+/-271.058 χ^2/NDF: 48.1/21

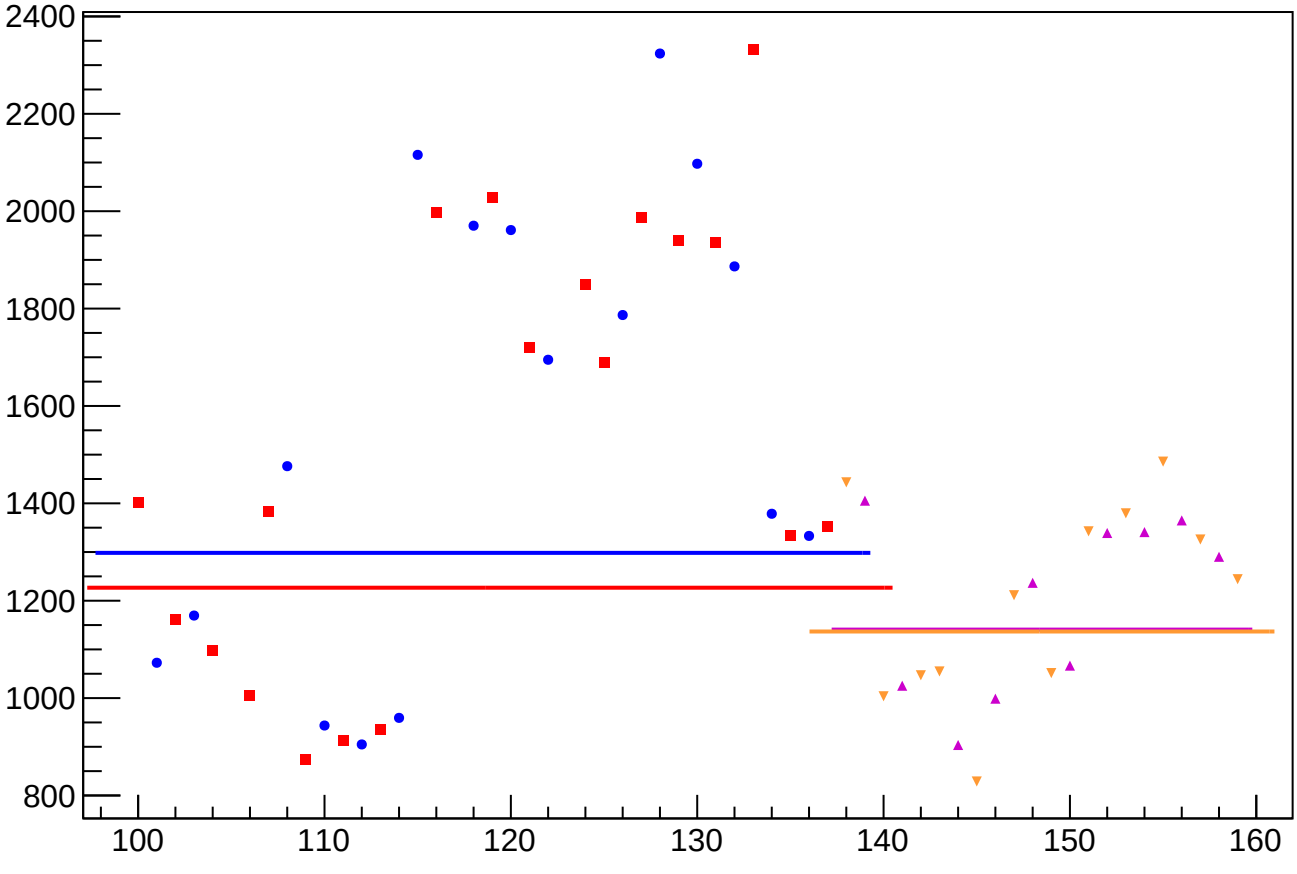
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 279.731+/-310.146 χ^2/NDF:28.5/25

Out: -768.890+/-293.733 χ^2/NDF:60.0/30

All: -273.059+/-213.267 χ^2/NDF: 94.5/56

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1136.787+/-0.265 χ^2/NDF:582638.0/11

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1140.669+/-0.277 χ^2/NDF:402201.7/9

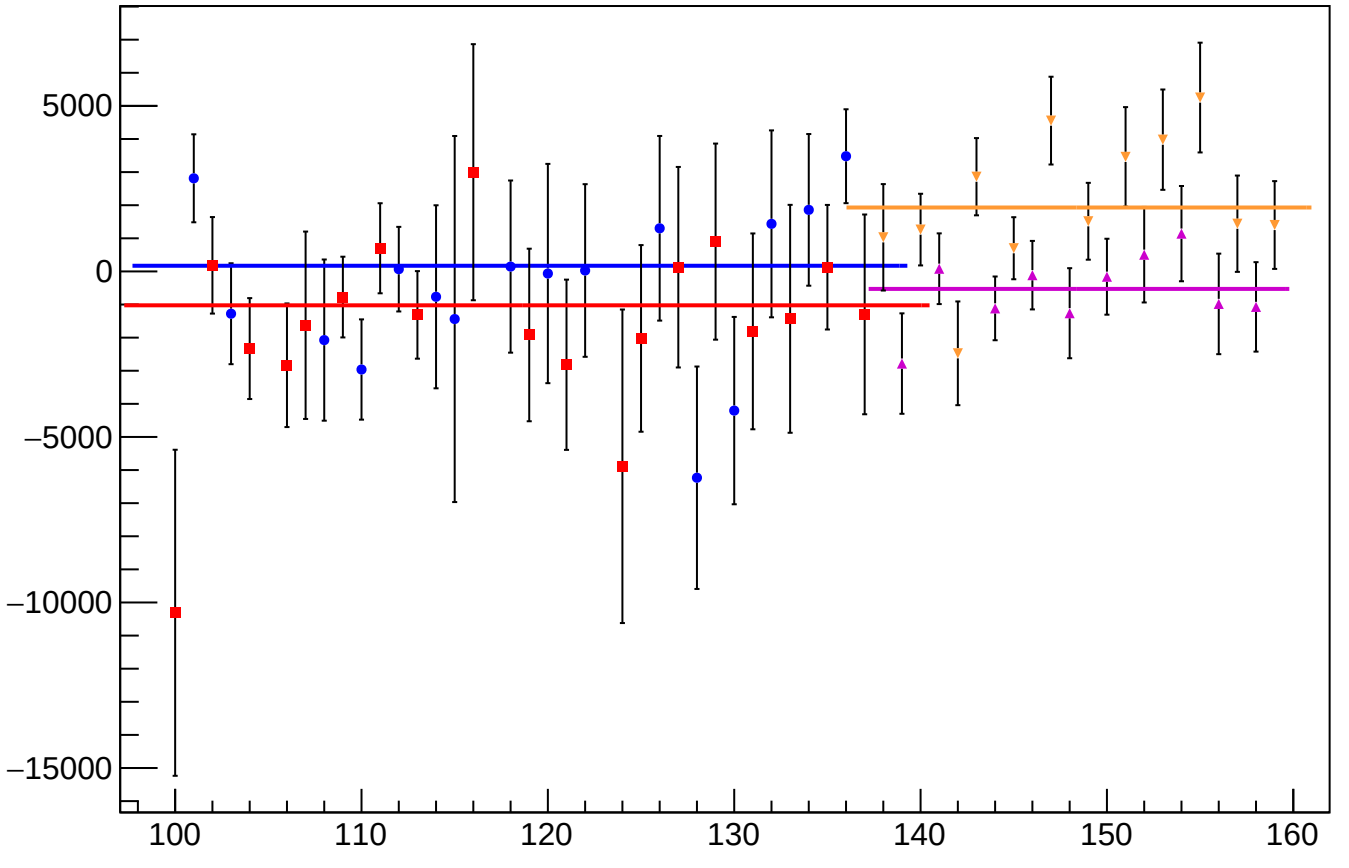
Left: 1138.639+/-0.192 χ^2/NDF: 984942.1/21

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1199.839+/-0.219 χ^2/NDF:1705452.6/25

Out: 1171.498+/-0.208 χ^2/NDF:2031602.0/30

All: 1184.899+/-0.151 χ^2/NDF: 3745858.4/56



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1930.739+/-374.872 χ^2/NDF:22.2/11

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -528.120+/-390.132 χ^2/NDF:5.6/9

Left: 750.338+/-270.309 χ^2/NDF: 48.4/21

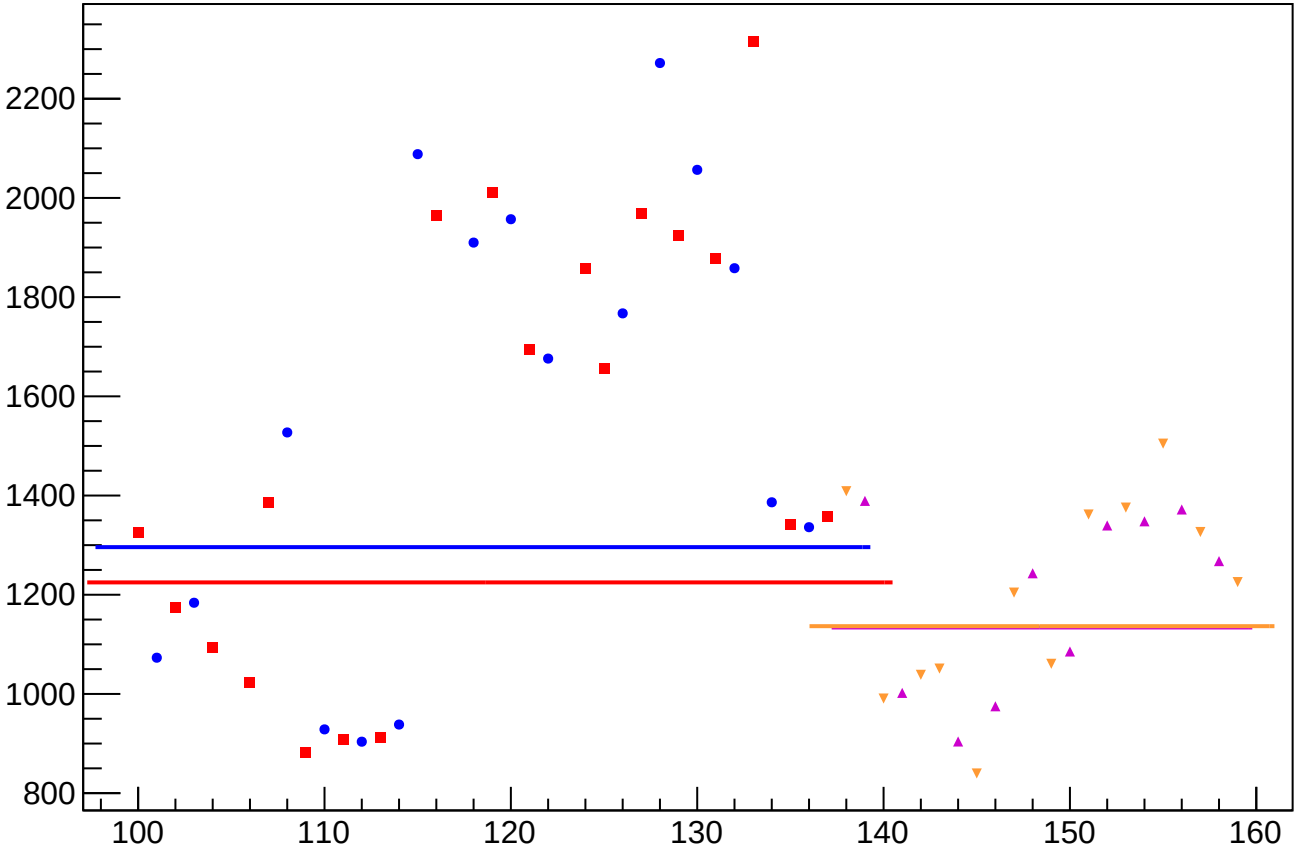
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -266.888+/-308.765 χ^2/NDF:29.4/25

Out: 787.990+/-293.554 χ^2/NDF:57.7/30

All: 287.174+/-212.748 χ^2/NDF: 93.2/56

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1136.625+/-0.265 χ^2/NDF:563030.4/11

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1134.002+/-0.276 χ^2/NDF:418344.5/9

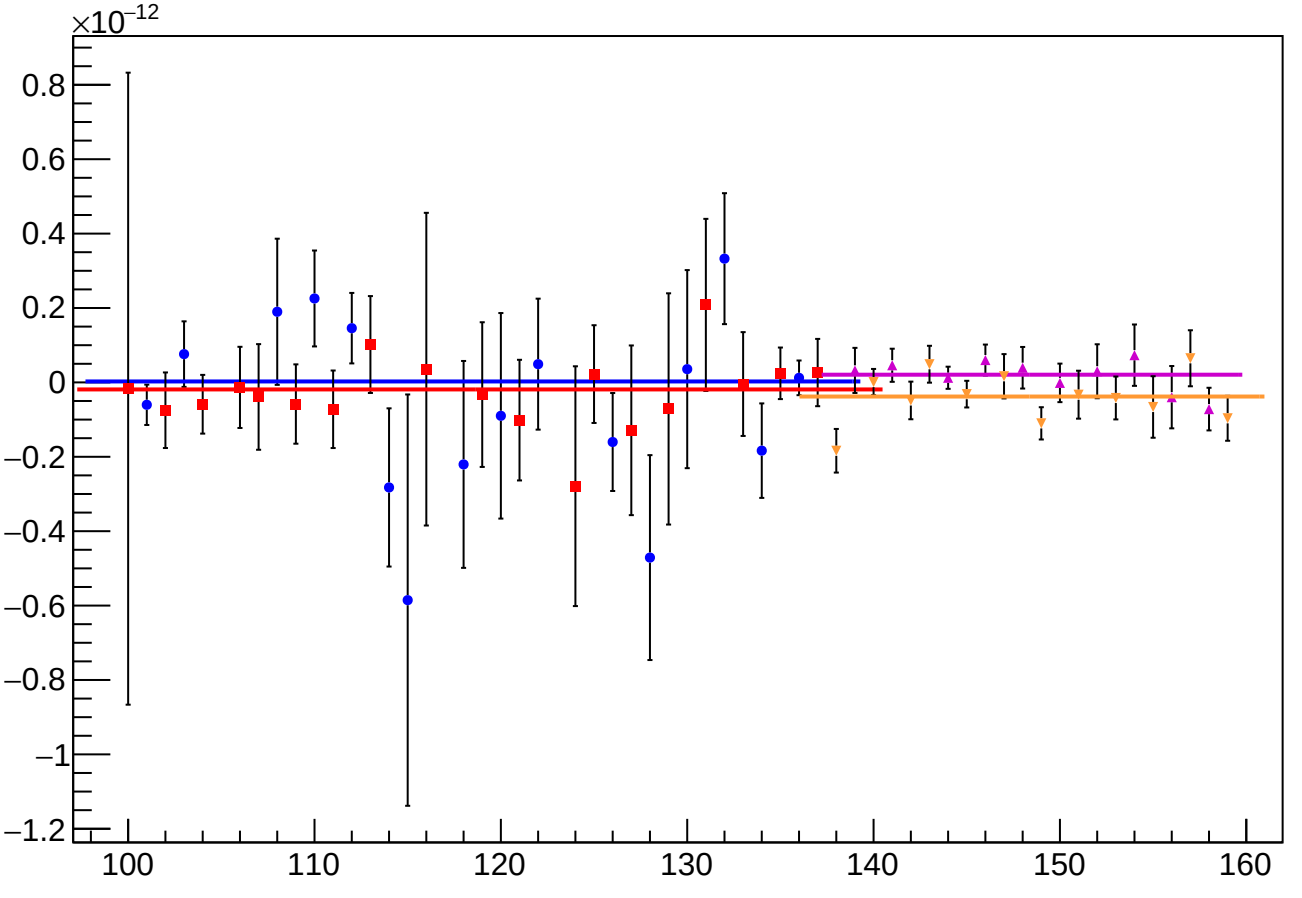
Left: 1135.366+/-0.191 χ^2/NDF: 981421.9/21

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1194.524+/-0.218 χ^2/NDF:1701353.6/25

Out: 1170.758+/-0.208 χ^2/NDF:1977183.9/30

All: 1182.041+/-0.150 χ^2/NDF: 3684761.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

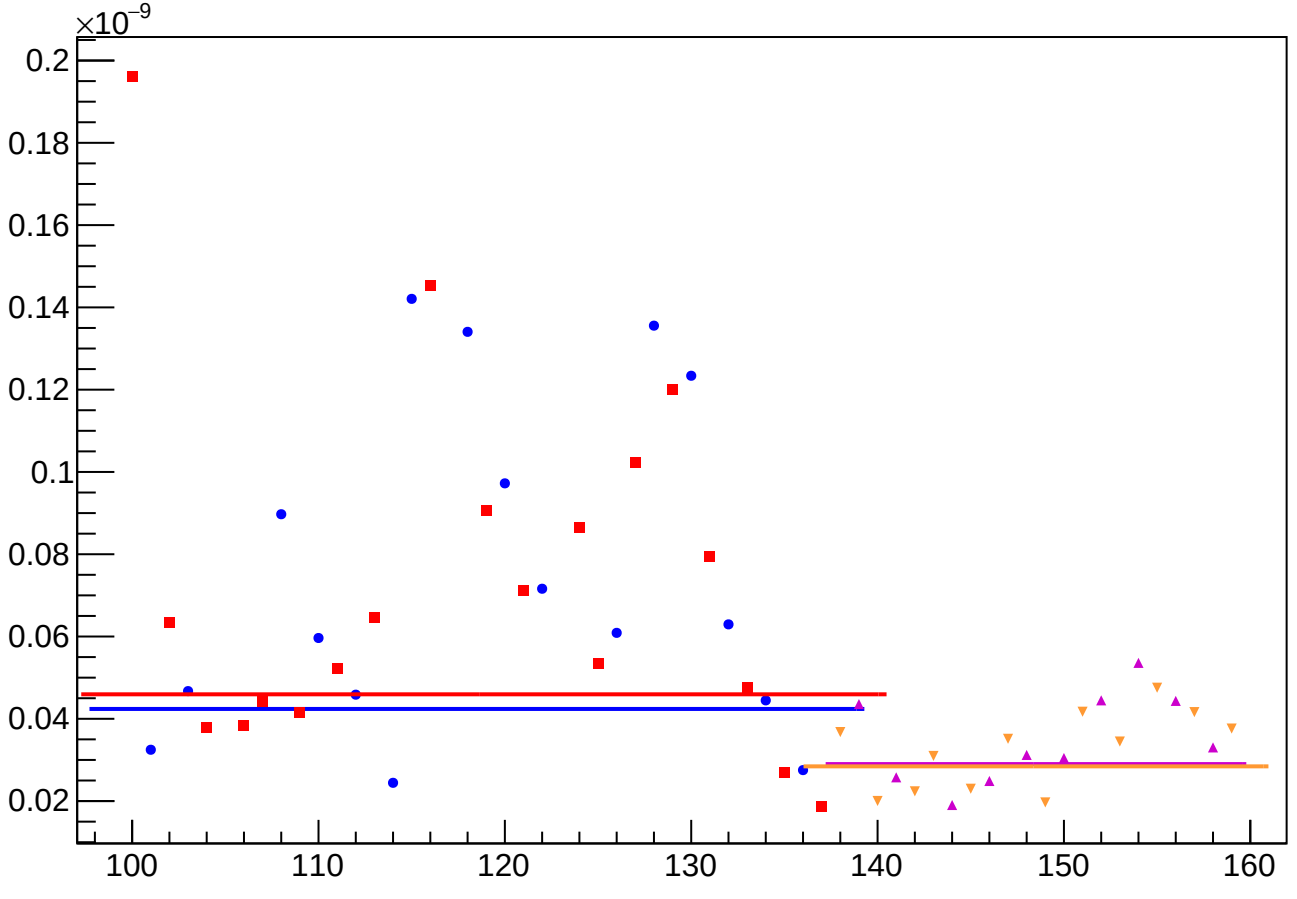
Left: -0.000+/-0.000 χ^2/NDF: 29.6/21

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:27.7/25

Out: -0.000+/-0.000 χ^2/NDF:22.2/30

All: -0.000+/-0.000 χ^2/NDF: 56.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:662036.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:720150.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1383481.4/21

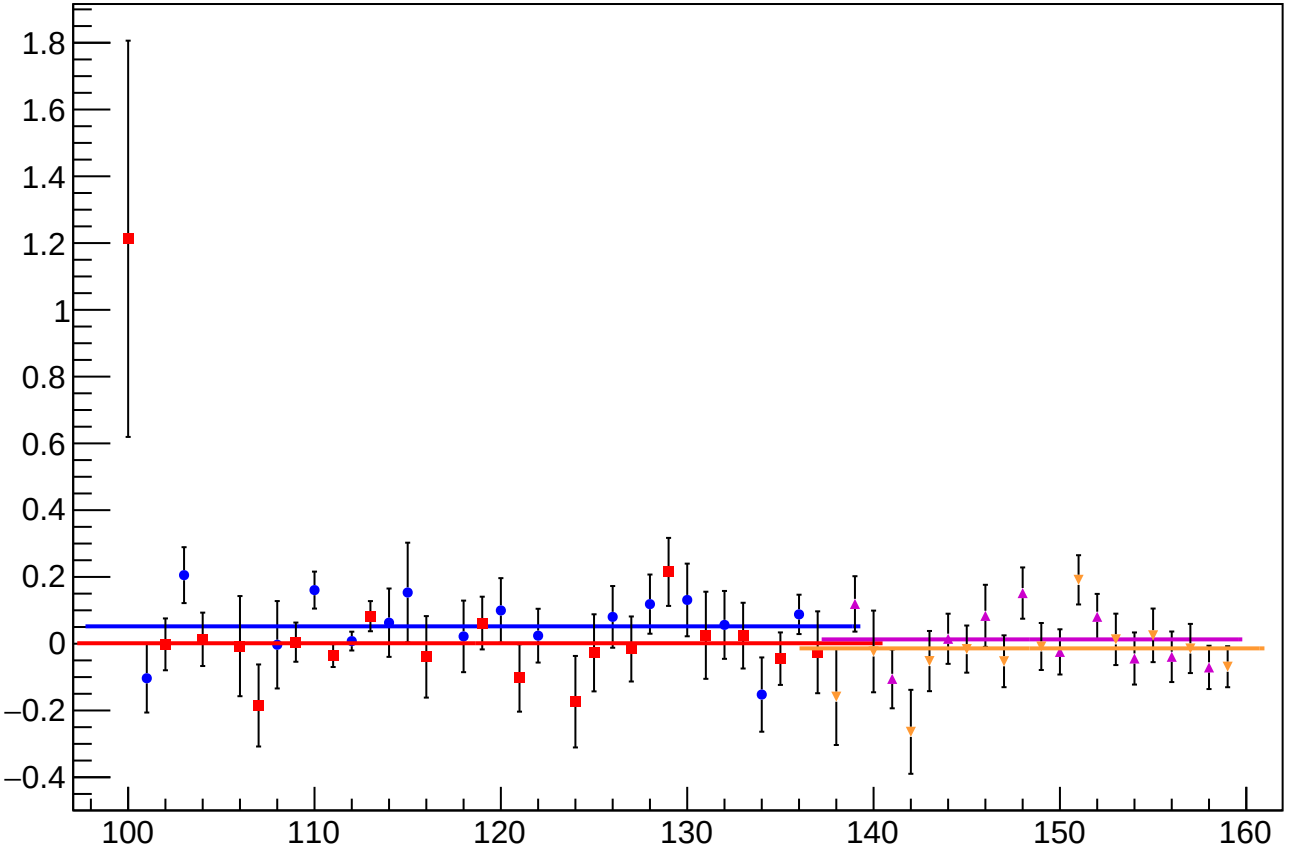
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2431017.9/25

Out: 0.000+/-0.000 χ^2/NDF:2364410.0/30

All: 0.000+/-0.000 χ^2/NDF: 4796426.8/56

asym_sam_48_avg_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+/-0.023 χ^2/NDF:14.3/11

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

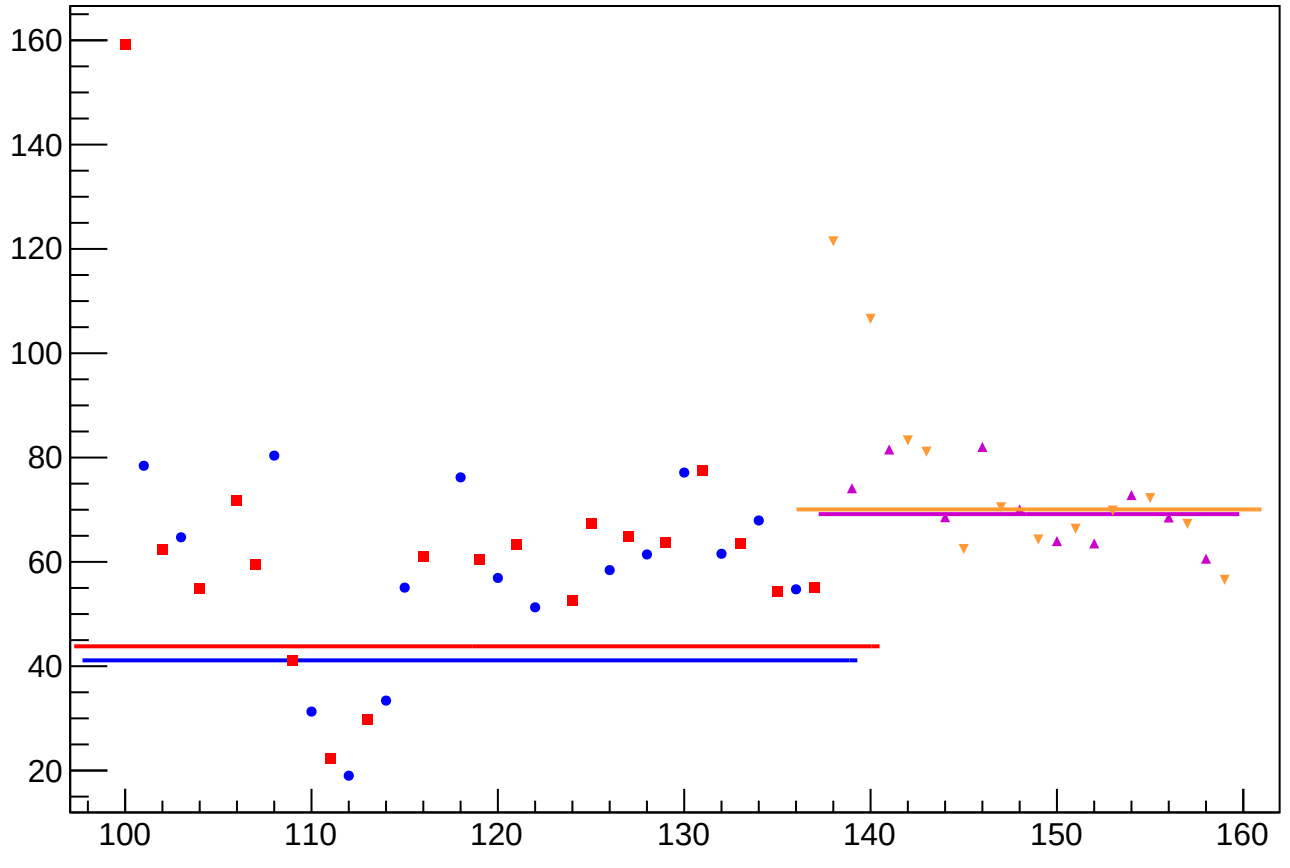
Left: -0.001+/-0.017 χ^2/NDF: 26.2/21

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.017+/-0.010 χ^2/NDF: 69.2/56



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.061+/-0.017 χ^2/NDF:625548.4/11

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

Left: 69.619+/-0.012 χ^2/NDF: 776680.7/21

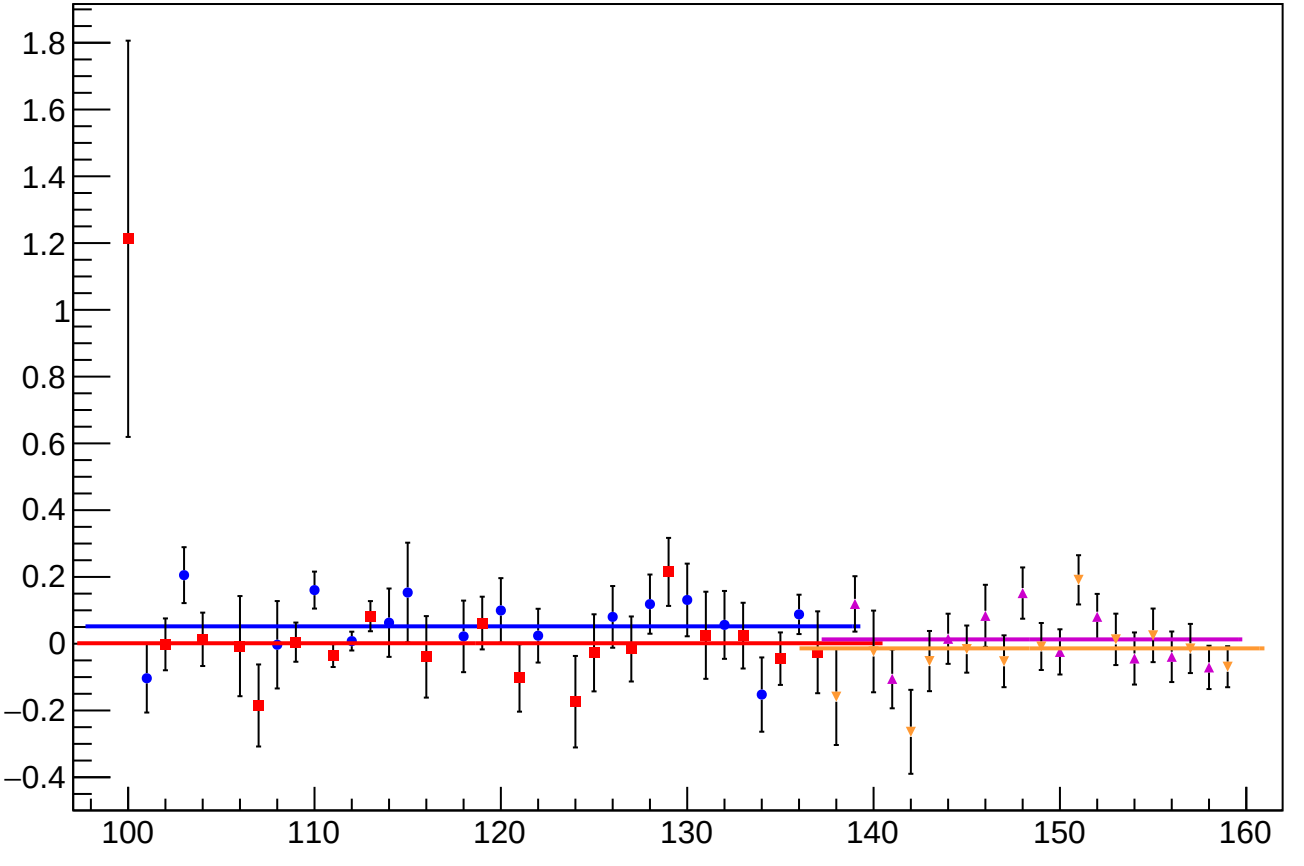
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.076+/-0.010 χ^2/NDF:4842339.0/25

Out: 53.523+/-0.010 χ^2/NDF:4259870.9/30

All: 52.303+/-0.007 χ^2/NDF: 9131689.7/56

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+/-0.023 χ^2/NDF:14.3/11

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

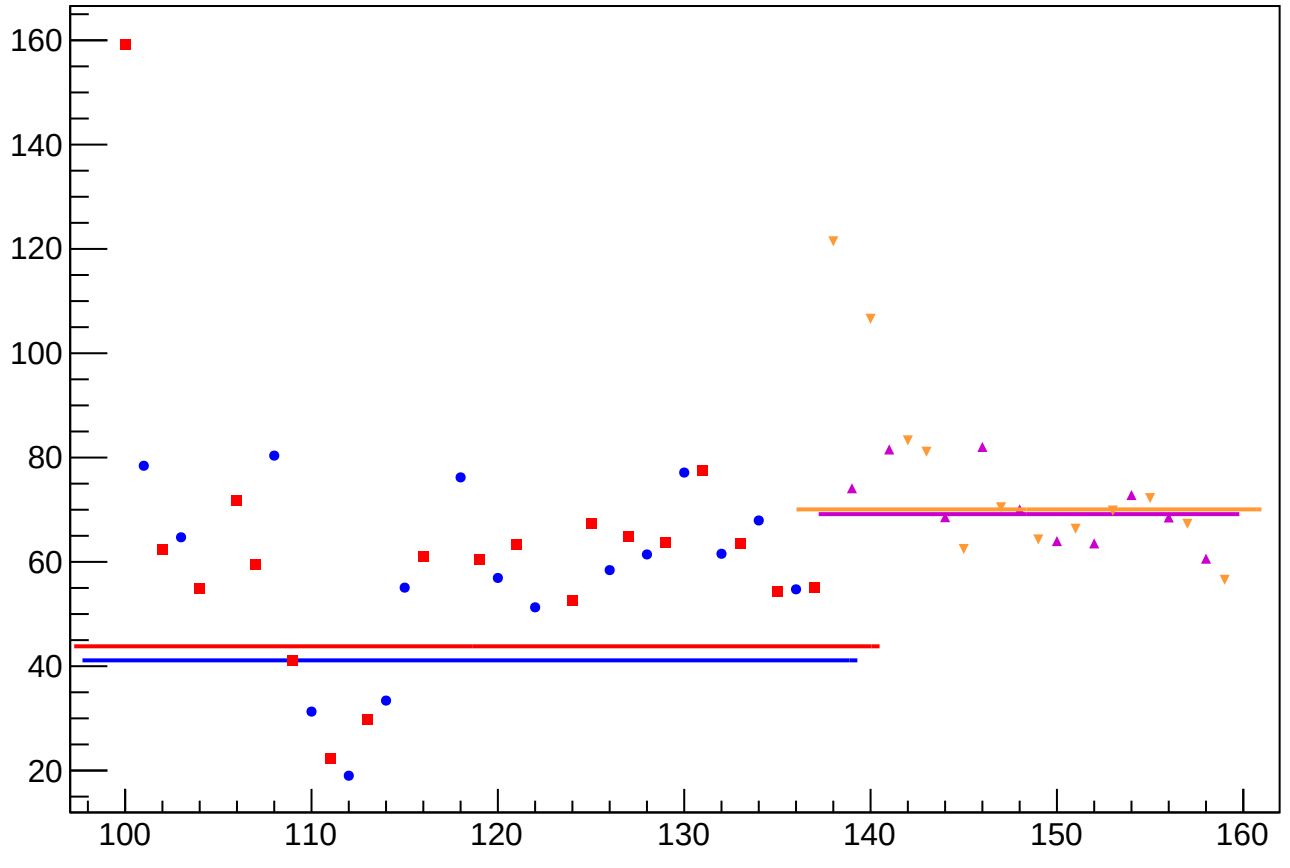
Left: -0.001+/-0.017 χ^2/NDF: 26.2/21

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.017+/-0.010 χ^2/NDF: 69.2/56



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.061+/-0.017 χ^2/NDF:625548.4/11

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

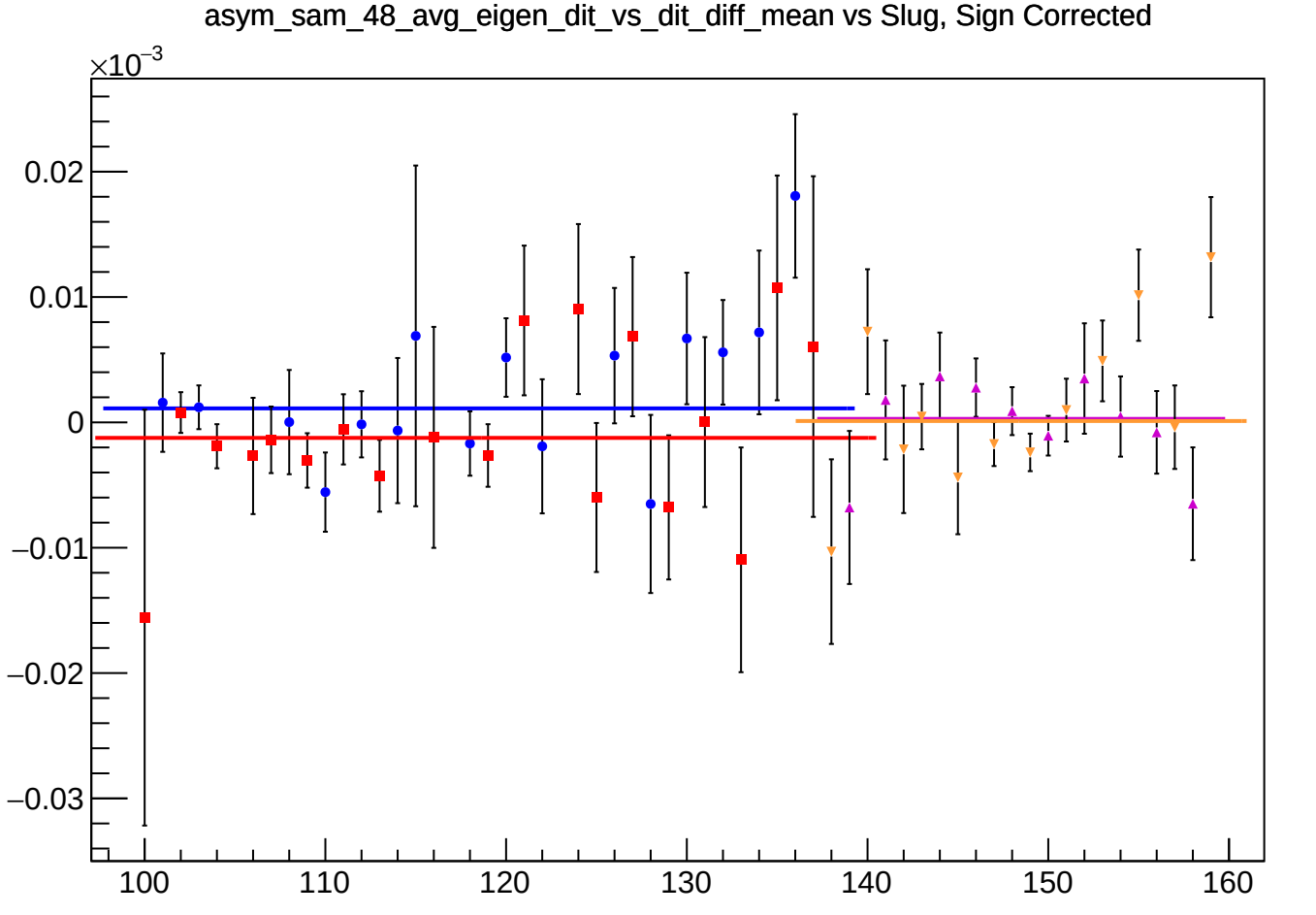
Left: 69.619+/-0.012 χ^2/NDF: 776680.7/21

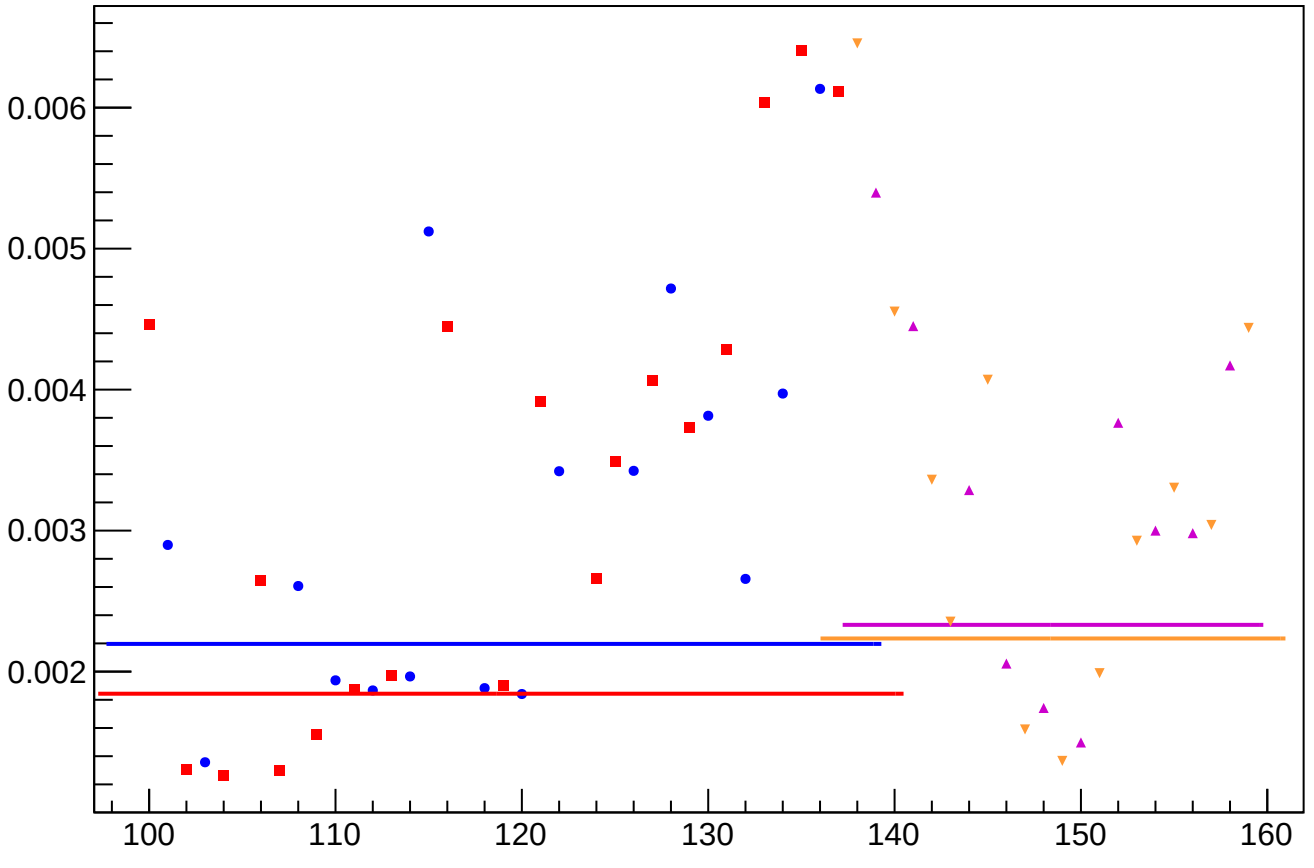
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.076+/-0.010 χ^2/NDF:4842339.0/25

Out: 53.523+/-0.010 χ^2/NDF:4259870.9/30

All: 52.303+/-0.007 χ^2/NDF: 9131689.7/56


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
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:26.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.3/9
Left: 0.000+/-0.000 χ²/NDF: 33.8/21
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:27.6/25
Out: -0.000+/-0.000 χ²/NDF:43.9/30
All: -0.000+/-0.000 χ²/NDF: 73.9/56



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3289086.5/11

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2537469.5/9

Left: 0.002+/-0.000 χ^2/NDF: 5839674.8/21

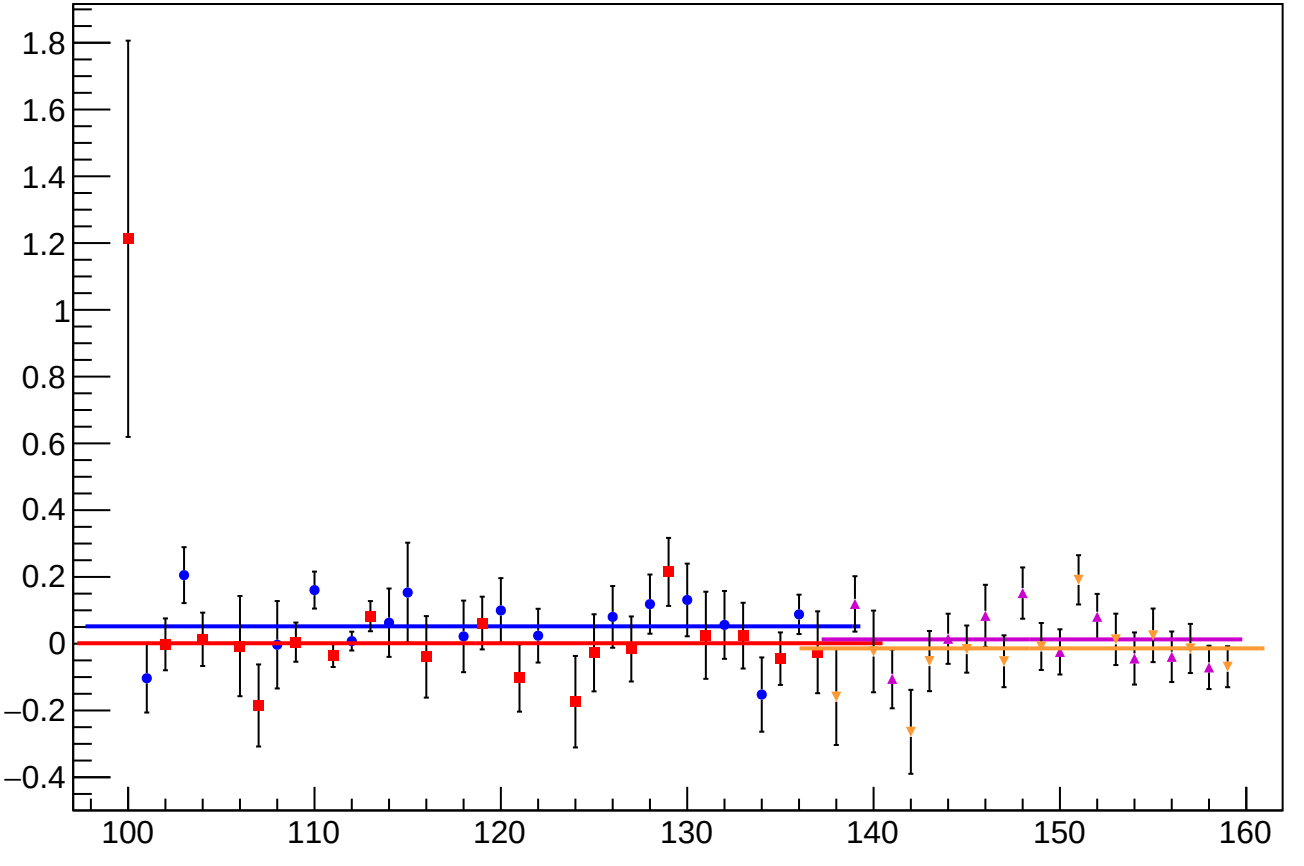
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:4853301.9/25

Out: 0.002+/-0.000 χ^2/NDF:6674891.6/30

All: 0.002+/-0.000 χ^2/NDF: 11689075.5/56

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+/-0.023 χ^2/NDF:14.3/11

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

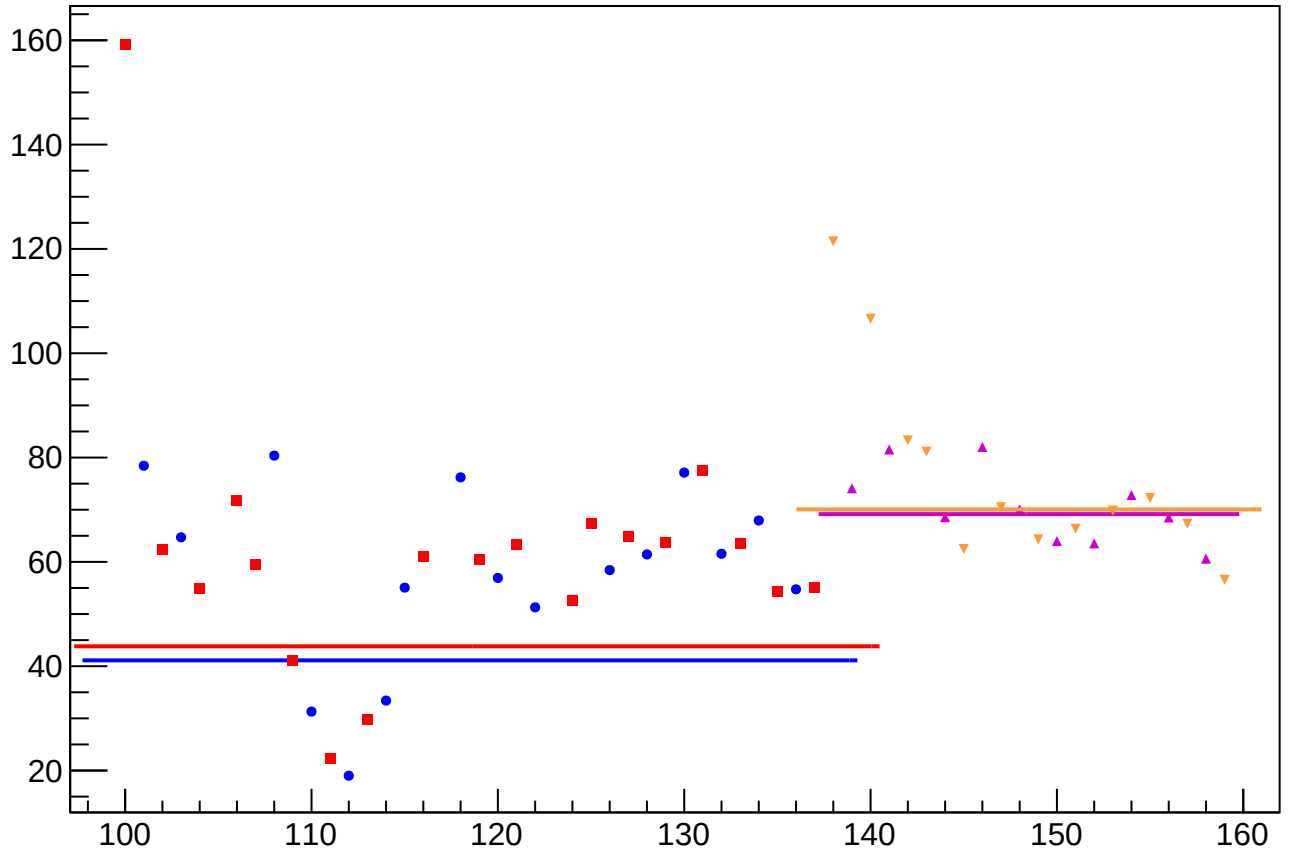
Left: -0.001+/-0.017 χ^2/NDF: 26.2/21

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.017+/-0.010 χ^2/NDF: 69.2/56



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.062+/-0.017 χ^2/NDF:625527.2/11

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

Left: 69.620+/-0.012 χ^2/NDF: 776658.8/21

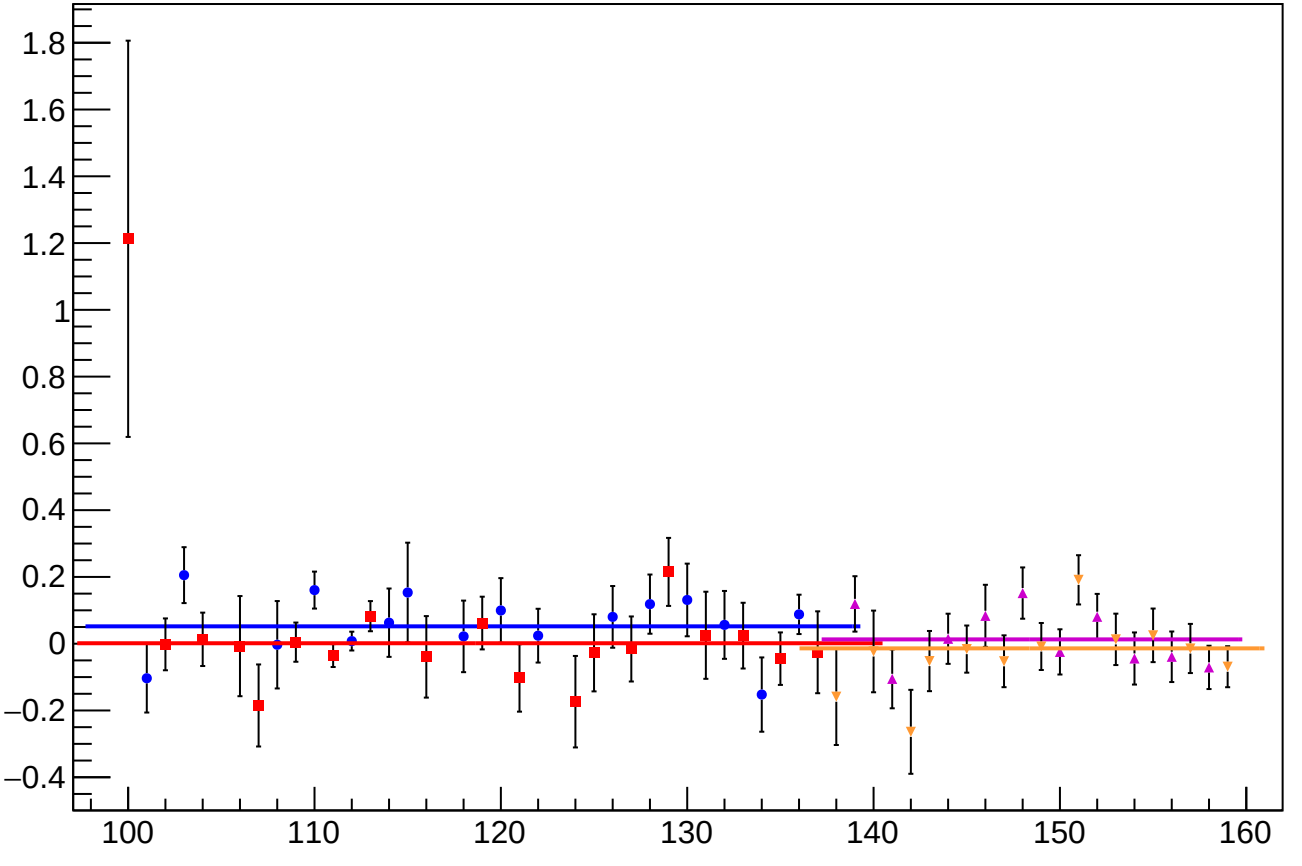
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.075+/-0.010 χ^2/NDF:4842706.7/25

Out: 53.522+/-0.010 χ^2/NDF:4260228.5/30

All: 52.302+/-0.007 χ^2/NDF: 9132417.5/56

asym_sam_48_avg_eigen_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+/-0.023 χ^2/NDF:14.3/11

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

Left: -0.001+/-0.017 χ^2/NDF: 26.2/21

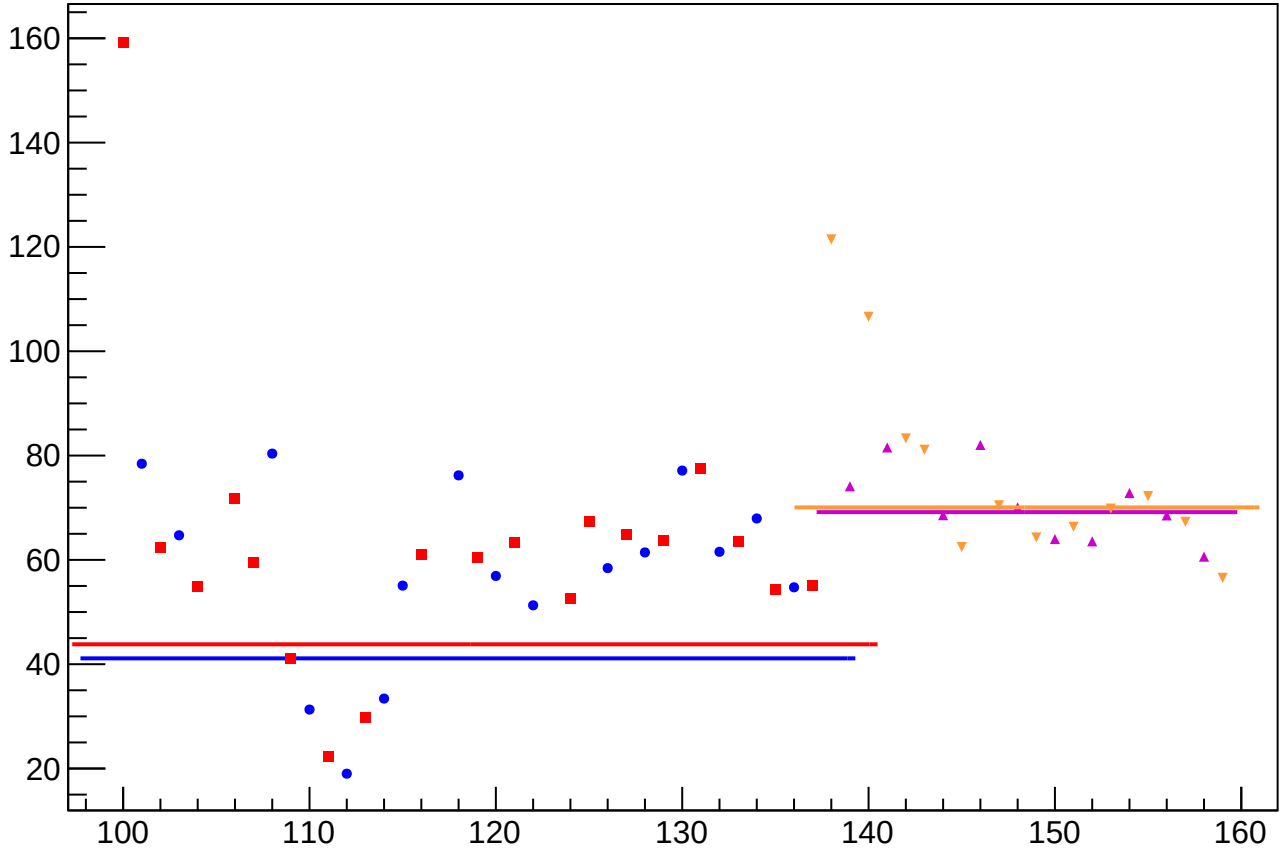
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.017+/-0.010 χ^2/NDF: 69.2/56

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: 70.062+/-0.017 χ^2/NDF:625527.2/11

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

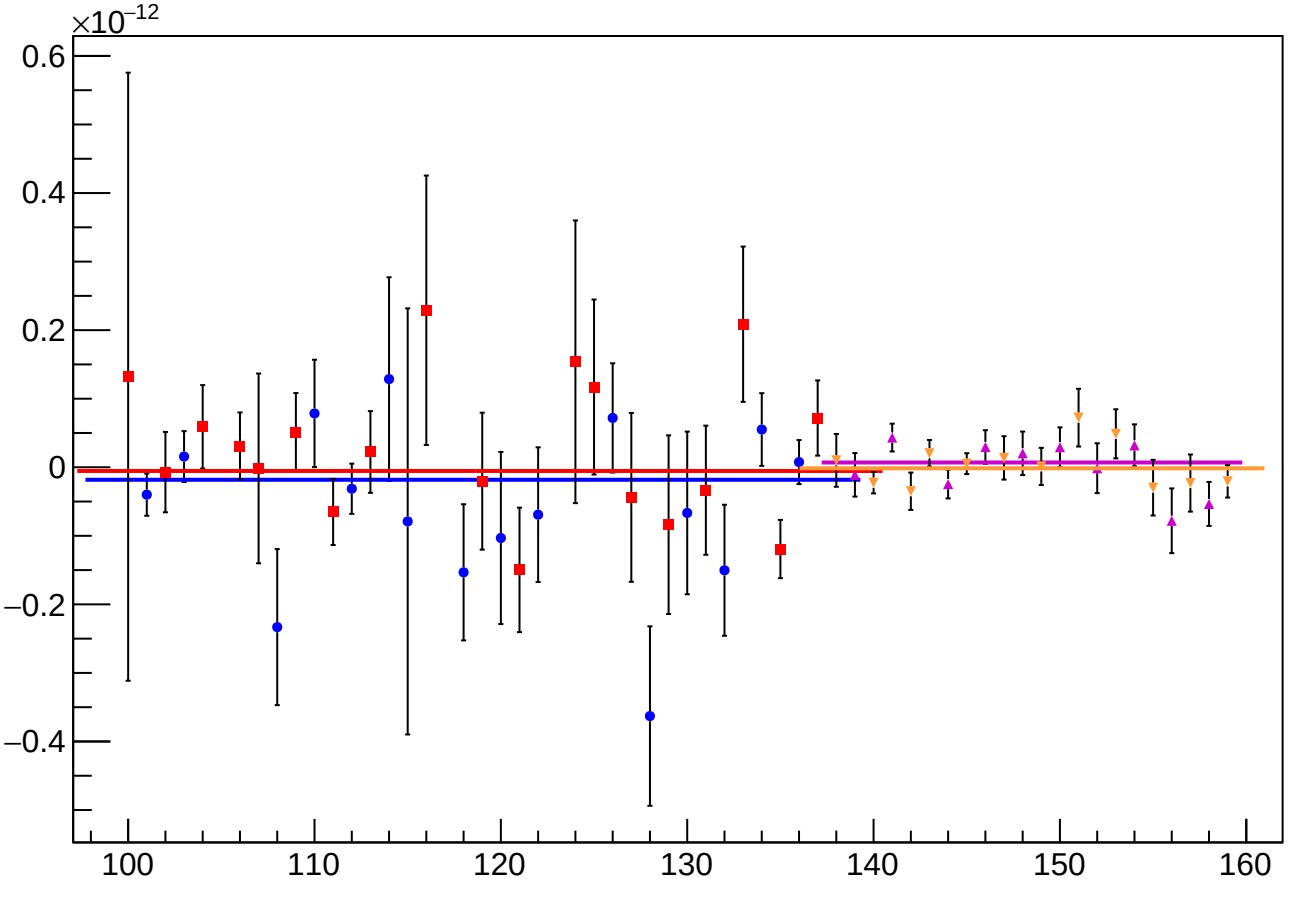
Left: 69.620+/-0.012 χ^2/NDF: 776658.8/21

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.075+/-0.010 χ^2/NDF:4842706.7/25

Out: 53.522+/-0.010 χ^2/NDF:4260228.5/30

All: 52.302+/-0.007 χ^2/NDF: 9132417.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/9

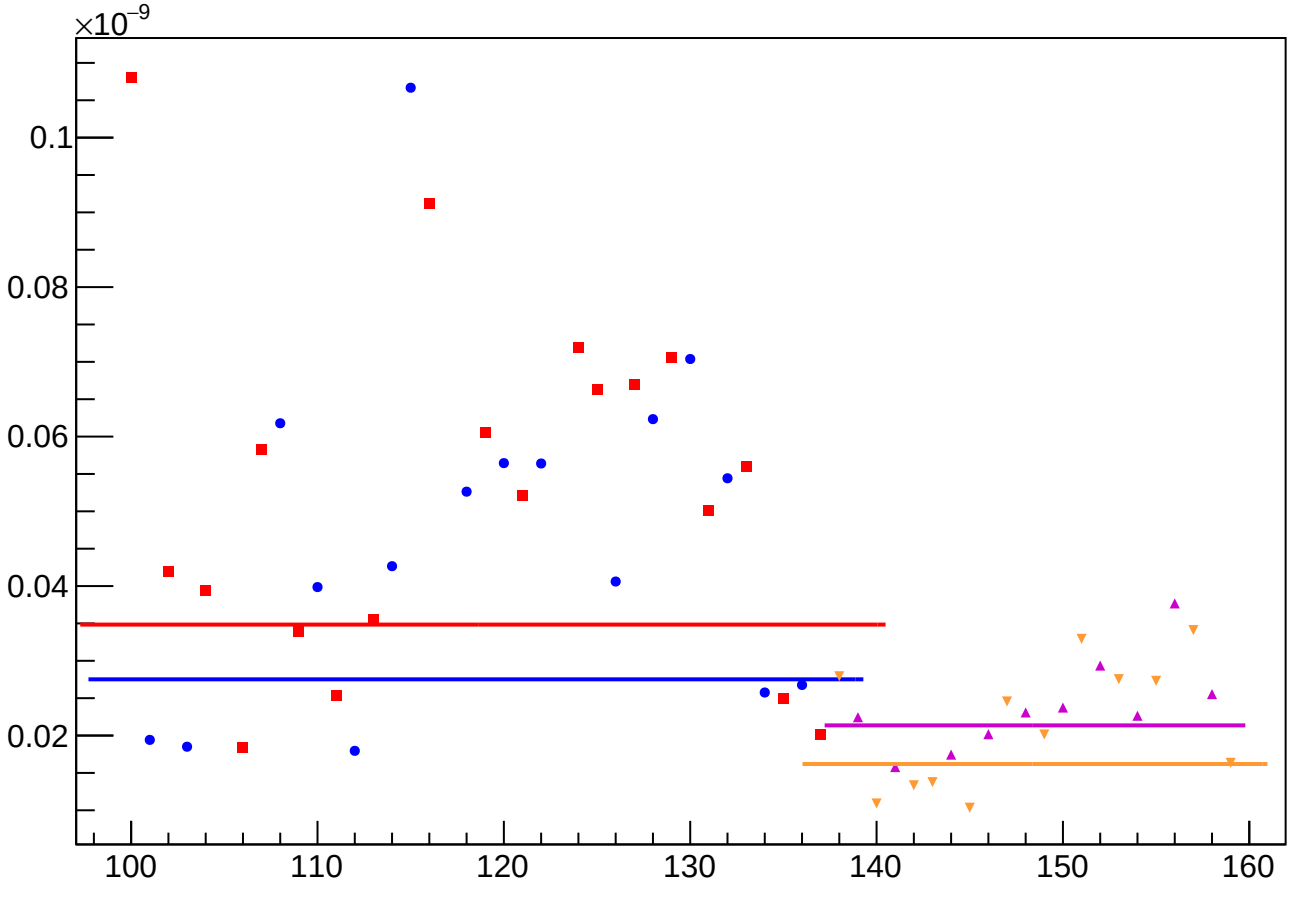
Left: 0.000+/-0.000 χ^2/NDF: 27.1/21

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:40.1/25

Out: -0.000+/-0.000 χ^2/NDF:34.9/30

All: -0.000+/-0.000 χ^2/NDF: 75.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1983399.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:621696.2/9

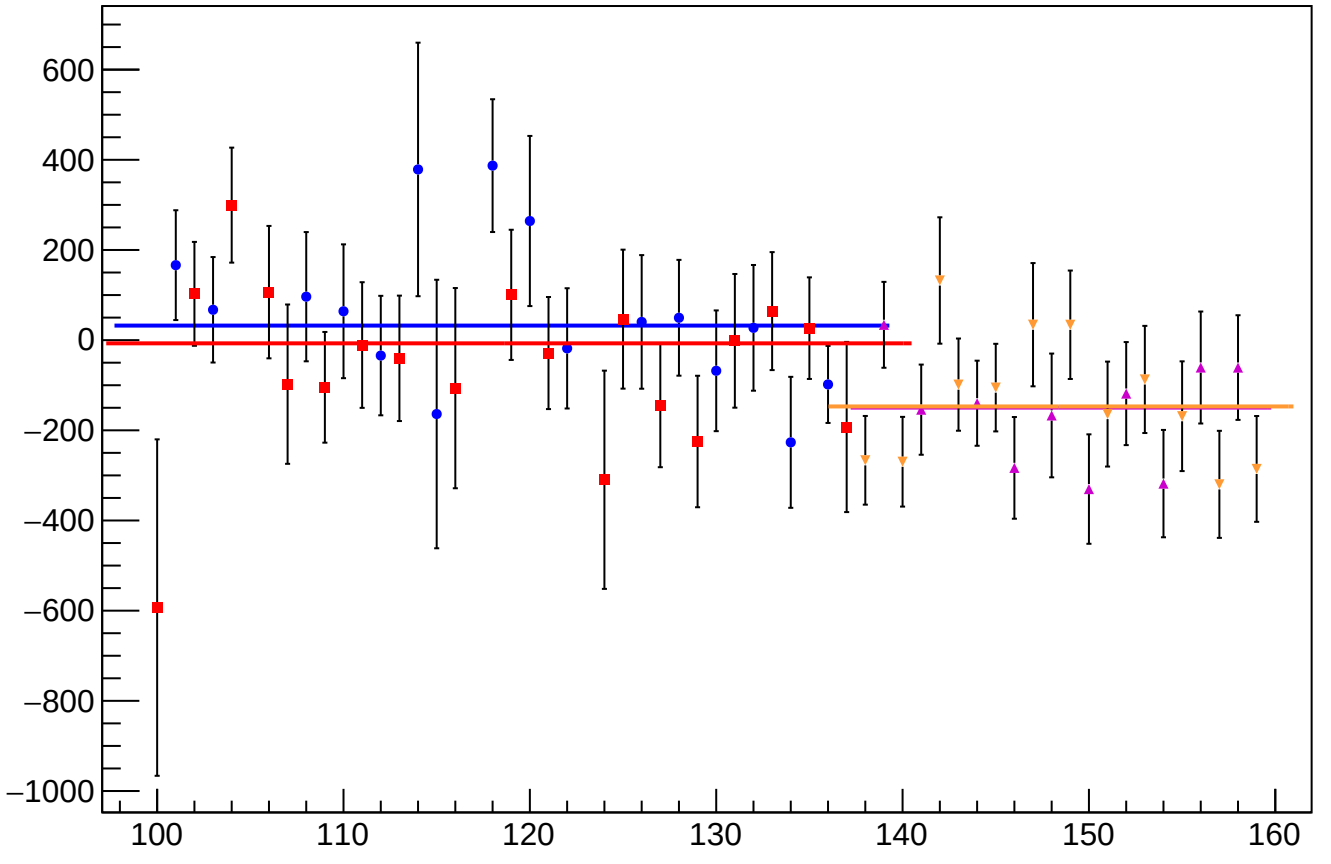
Left: 0.000+/-0.000 χ^2/NDF: 3020333.0/21

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2687177.9/25

Out: 0.000+/-0.000 χ^2/NDF:5774588.8/30

All: 0.000+/-0.000 χ^2/NDF: 8781007.8/56



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -147.056+/-32.699 χ^2/NDF:15.2/11

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -149.586+/-35.173 χ^2/NDF:10.5/9

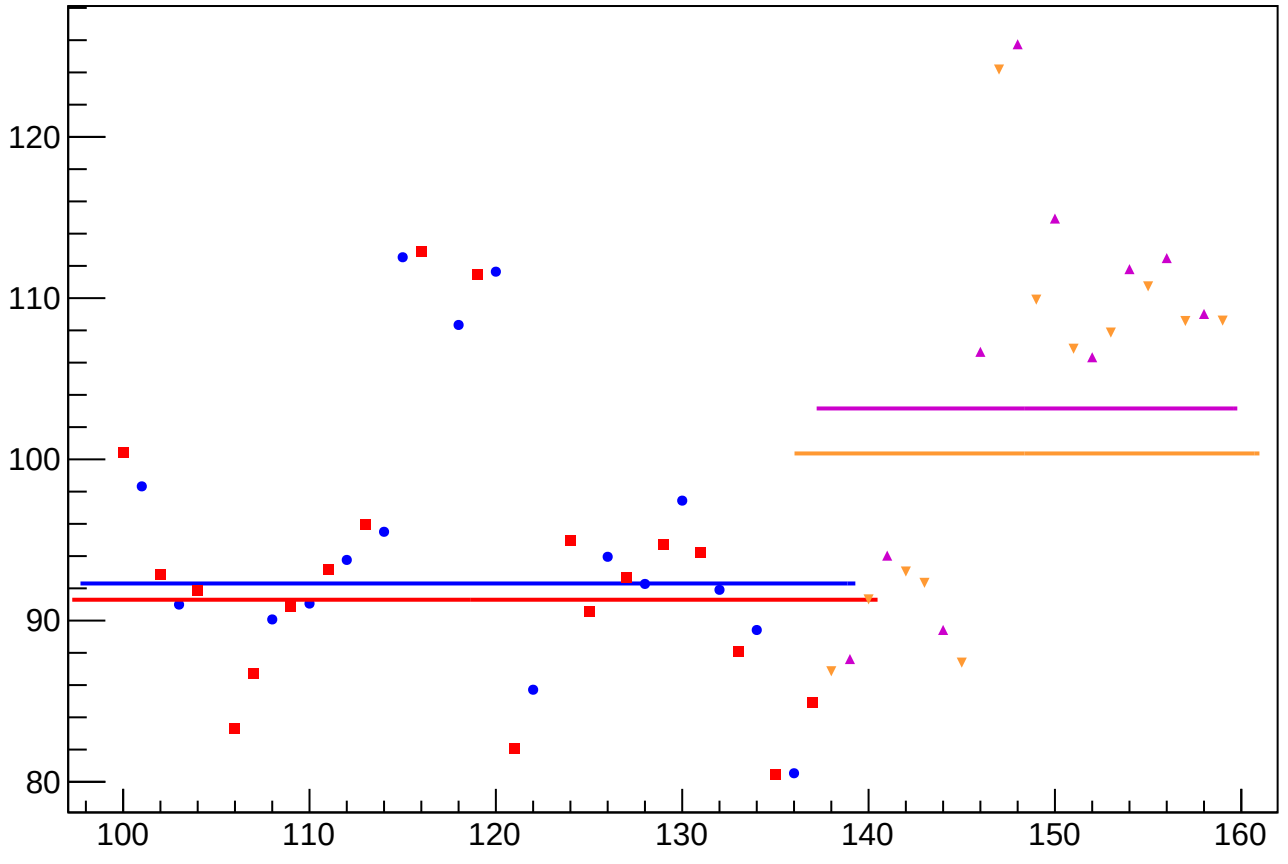
Left: -148.229+/-23.949 χ^2/NDF: 25.8/21

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -56.699+/-24.604 χ^2/NDF:41.5/25

Out: -78.589+/-23.372 χ^2/NDF:42.0/30

All: -68.206+/-16.945 χ^2/NDF: 83.9/56



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.367+/-0.023 χ^2/NDF:229150.2/11

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

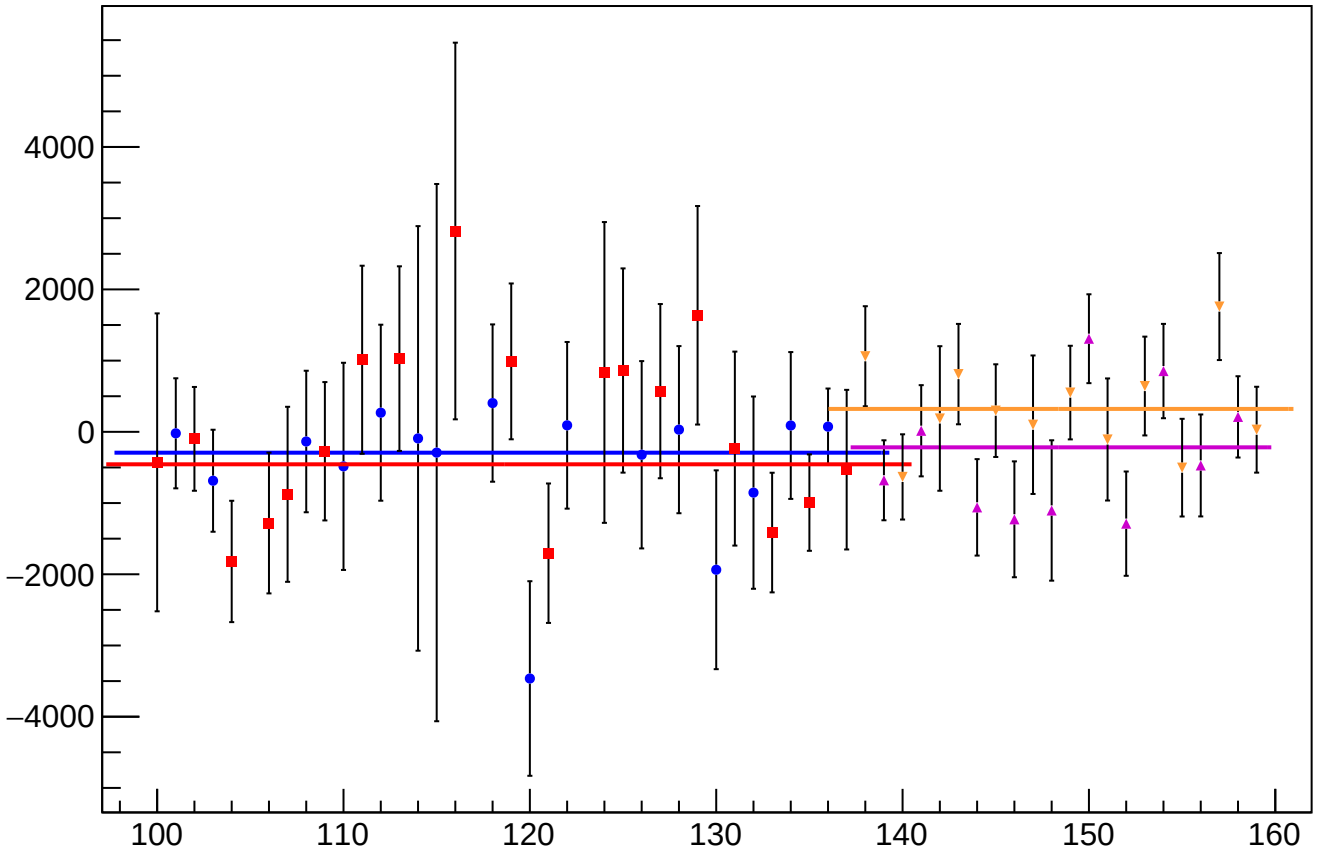
Left: 101.660+/-0.017 χ^2/NDF: 451624.5/21

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 97.614+/-0.017 χ^2/NDF:420065.0/25

Out: 95.929+/-0.017 χ^2/NDF:409558.6/30

All: 96.728+/-0.012 χ^2/NDF: 834552.3/56



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 321.884+/-205.738 χ^2/NDF:10.1/11

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -217.569+/-212.890 χ^2/NDF:16.1/9

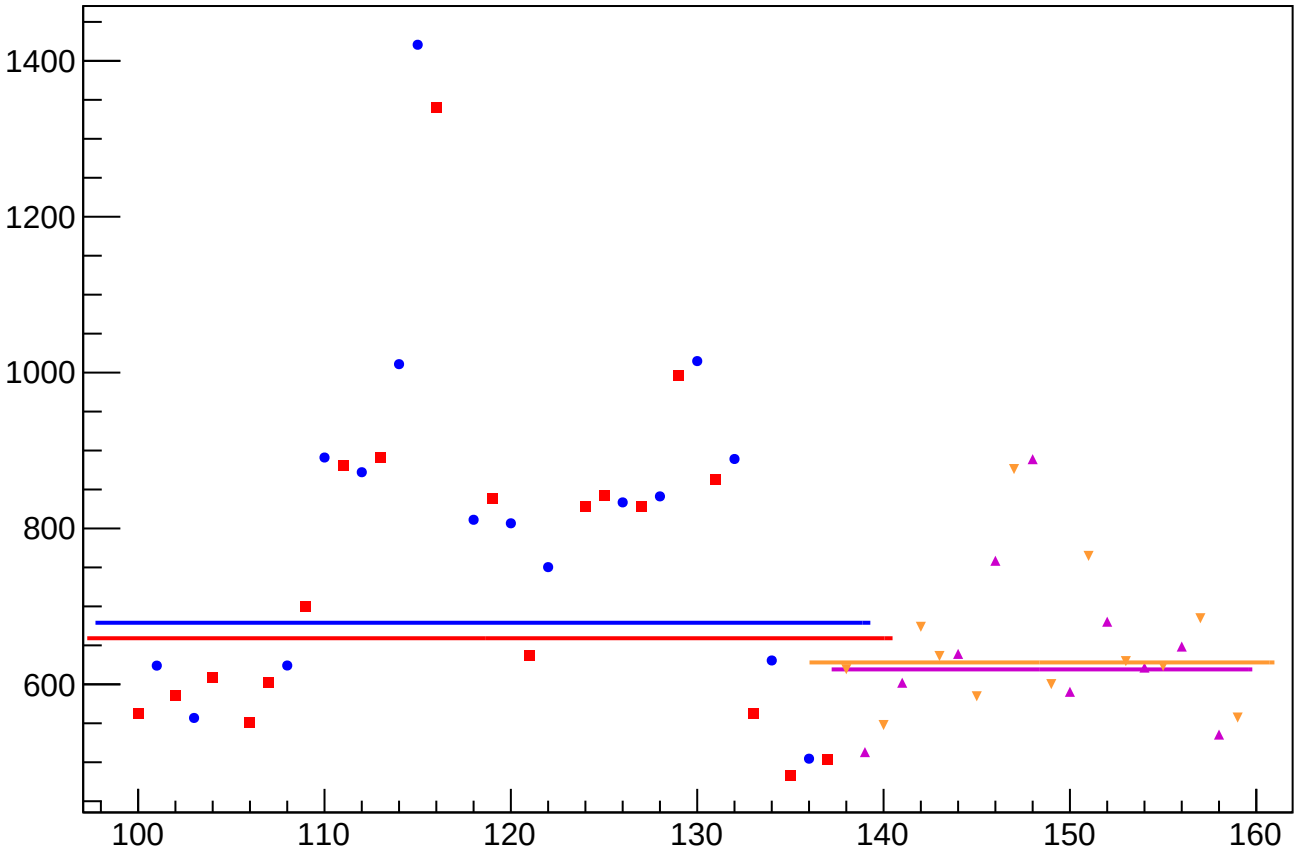
Left: 61.371+/-147.942 χ^2/NDF: 29.6/21

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -247.789+/-164.639 χ^2/NDF:25.0/25

Out: 5.926+/-158.529 χ^2/NDF:32.8/30

All: -116.137+/-114.196 χ^2/NDF: 59.0/56



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 628.086+/-0.145 χ^2/NDF:273291.4/11

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 619.138+/-0.151 χ^2/NDF:347671.3/9

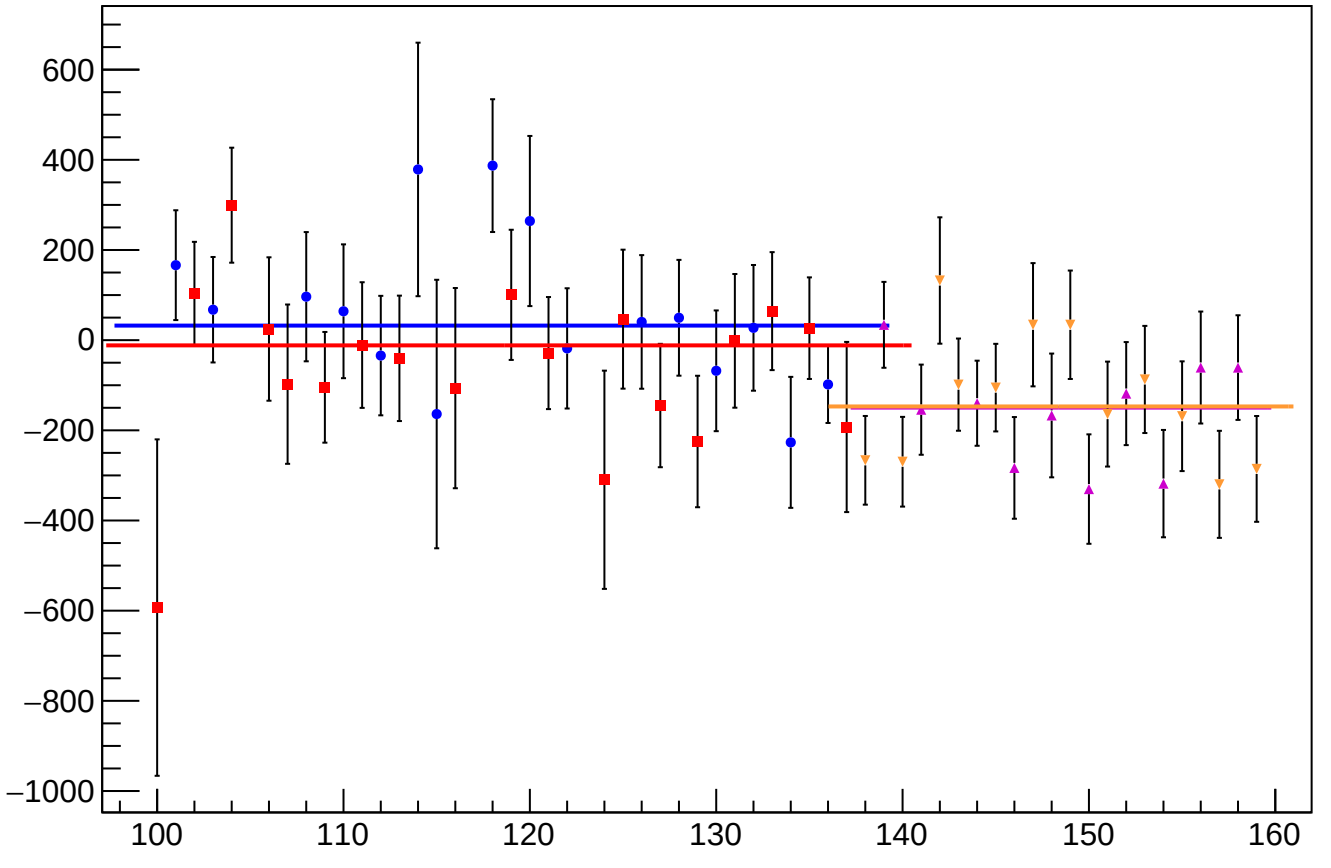
Left: 623.765+/-0.105 χ^2/NDF: 622789.3/21

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 643.200+/-0.116 χ^2/NDF:1179218.0/25

Out: 640.699+/-0.112 χ^2/NDF:1087673.3/30

All: 641.902+/-0.081 χ^2/NDF: 2267130.7/56



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -147.051+/-32.699 χ^2/NDF:15.2/11

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -149.588+/-35.173 χ^2/NDF:10.5/9

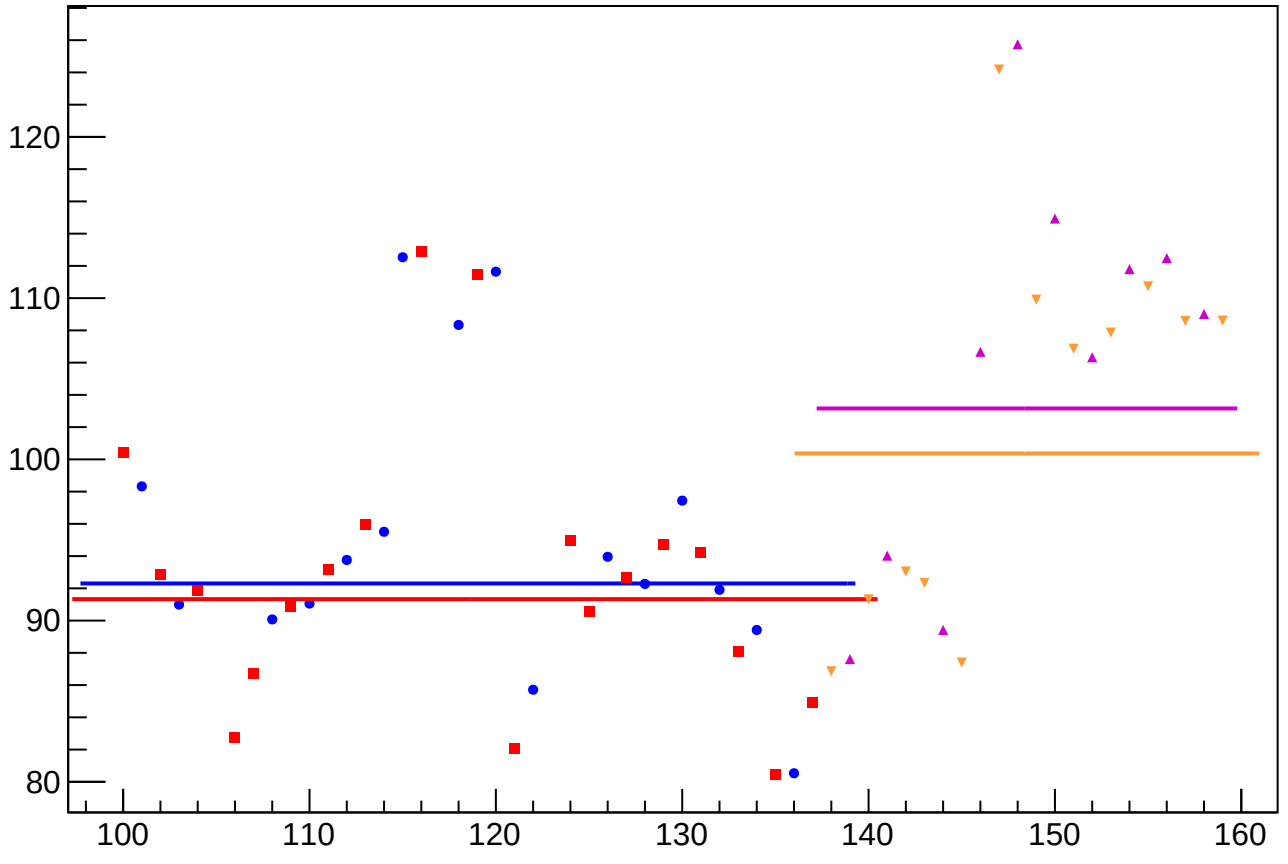
Left: -148.227+/-23.949 χ^2/NDF: 25.8/21

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.692+/-24.604 χ^2/NDF:41.5/25

Out: -81.050+/-23.416 χ^2/NDF:40.8/30

All: -69.473+/-16.962 χ^2/NDF: 82.8/56



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.367+/-0.023 χ^2/NDF:229150.2/11

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

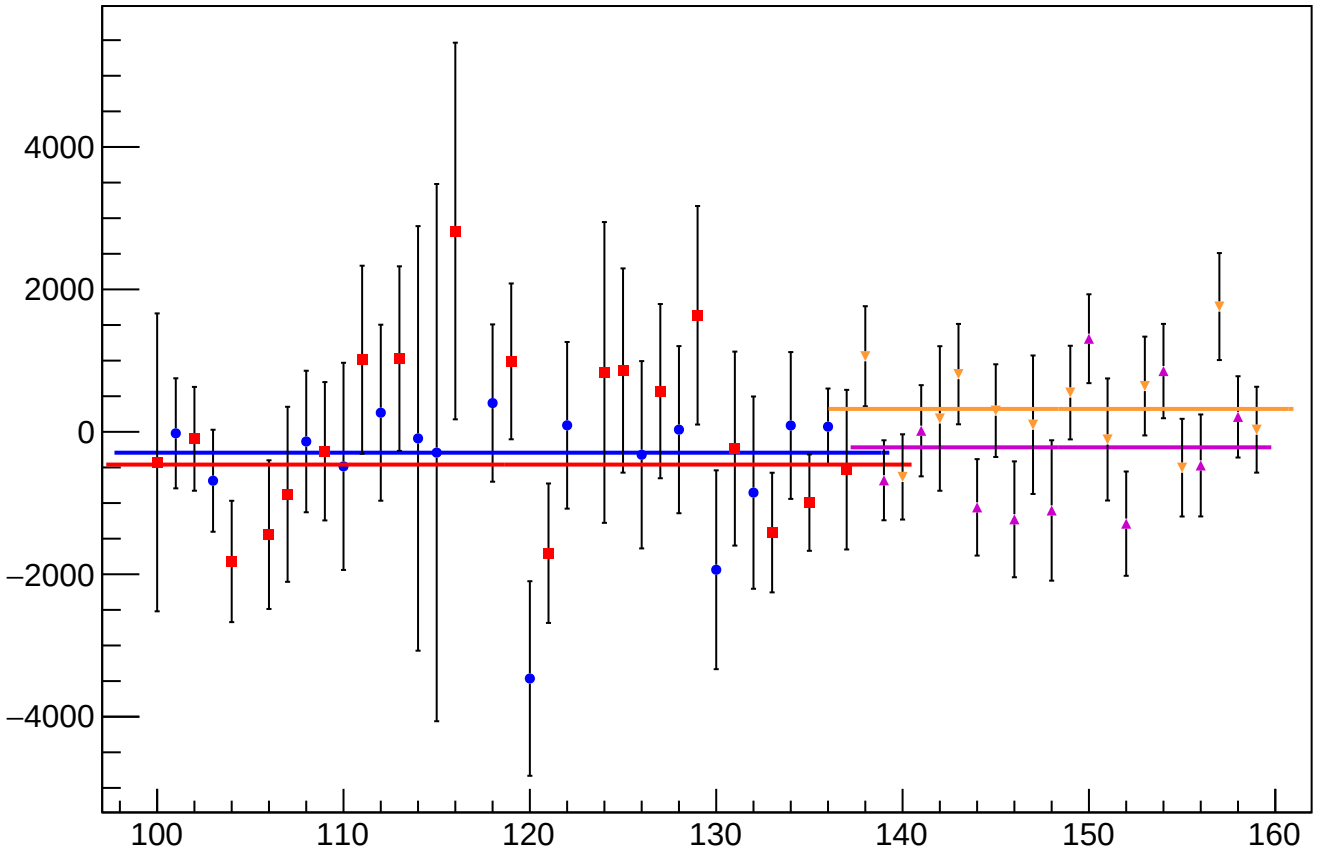
Left: 101.660+/-0.017 χ^2/NDF: 451624.5/21

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 97.614+/-0.017 χ^2/NDF:420065.0/25

Out: 95.965+/-0.017 χ^2/NDF:408452.3/30

All: 96.749+/-0.012 χ^2/NDF: 833228.6/56



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 321.885+/-205.738 χ^2/NDF:10.1/11

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -217.569+/-212.890 χ^2/NDF:16.1/9

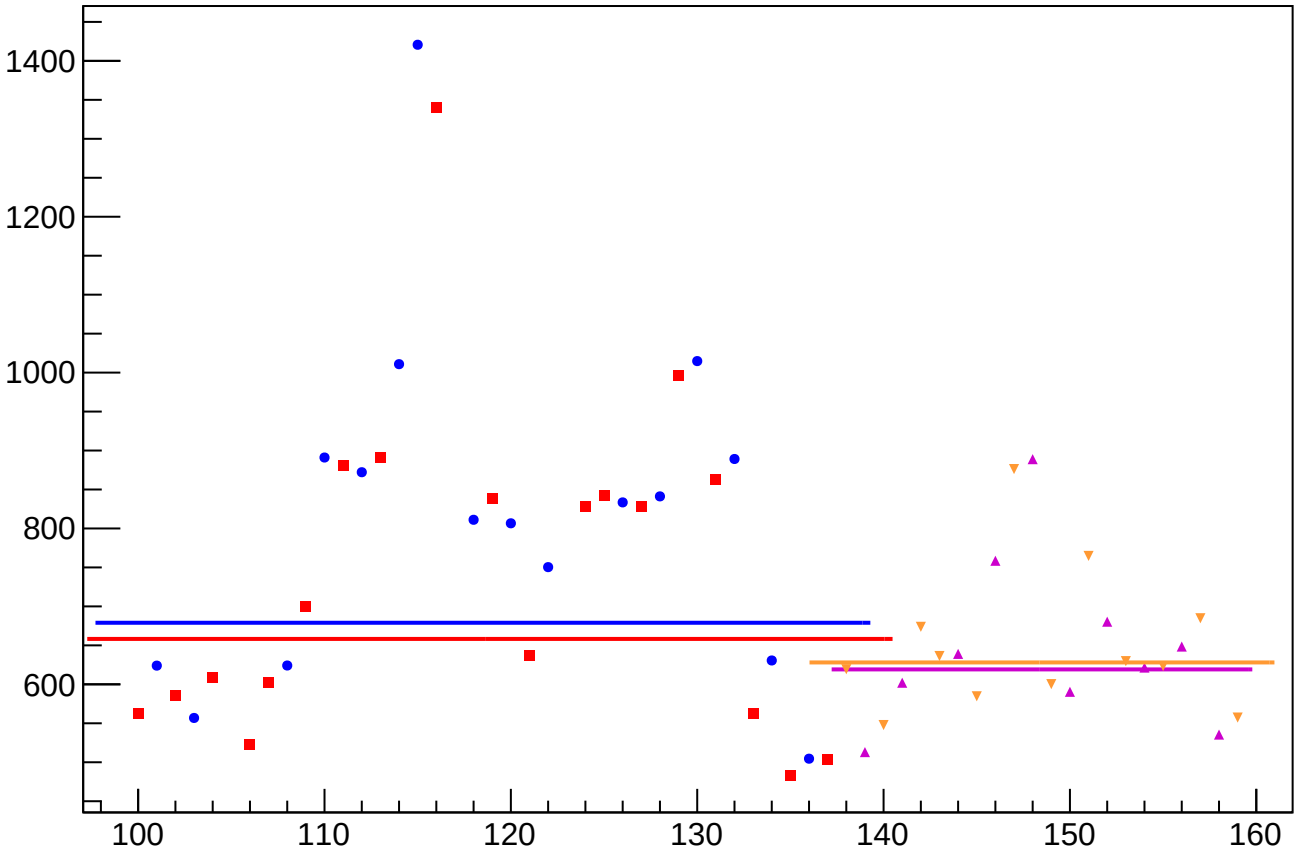
Left: 61.372+/-147.942 χ^2/NDF: 29.6/21

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -247.788+/-164.639 χ^2/NDF:25.0/25

Out: 5.646+/-158.743 χ^2/NDF:33.0/30

All: -116.451+/-114.276 χ^2/NDF: 59.2/56



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 628.086+/-0.145 χ^2/NDF:273292.5/11

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

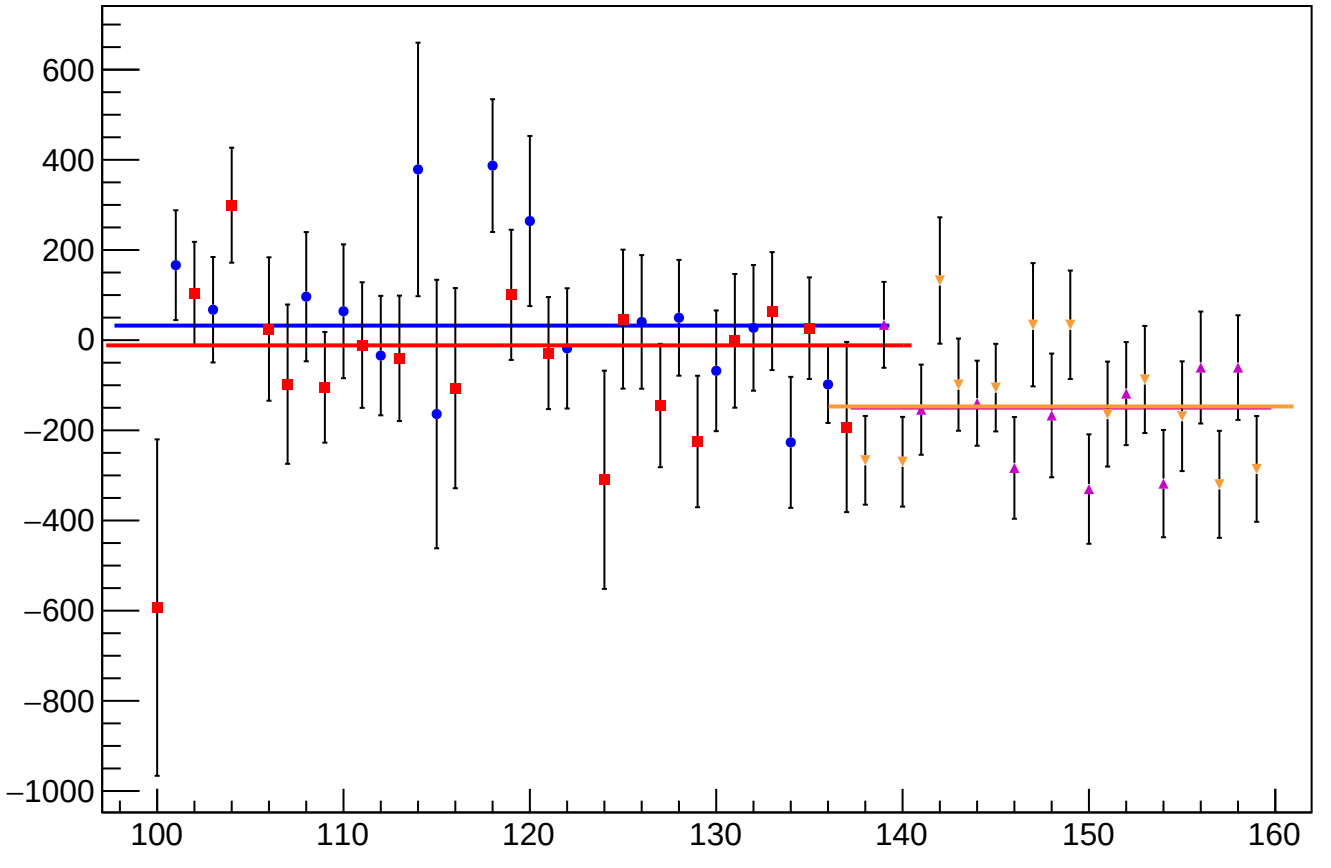
Left: 623.765+/-0.105 χ^2/NDF: 622789.4/21

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.200+/-0.116 χ^2/NDF:1179217.8/25

Out: 640.297+/-0.112 χ^2/NDF:1096601.6/30

All: 641.695+/-0.081 χ^2/NDF: 2276141.6/56



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -147.051+/-32.699 χ^2/NDF:15.2/11

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -149.588+/-35.173 χ^2/NDF:10.5/9

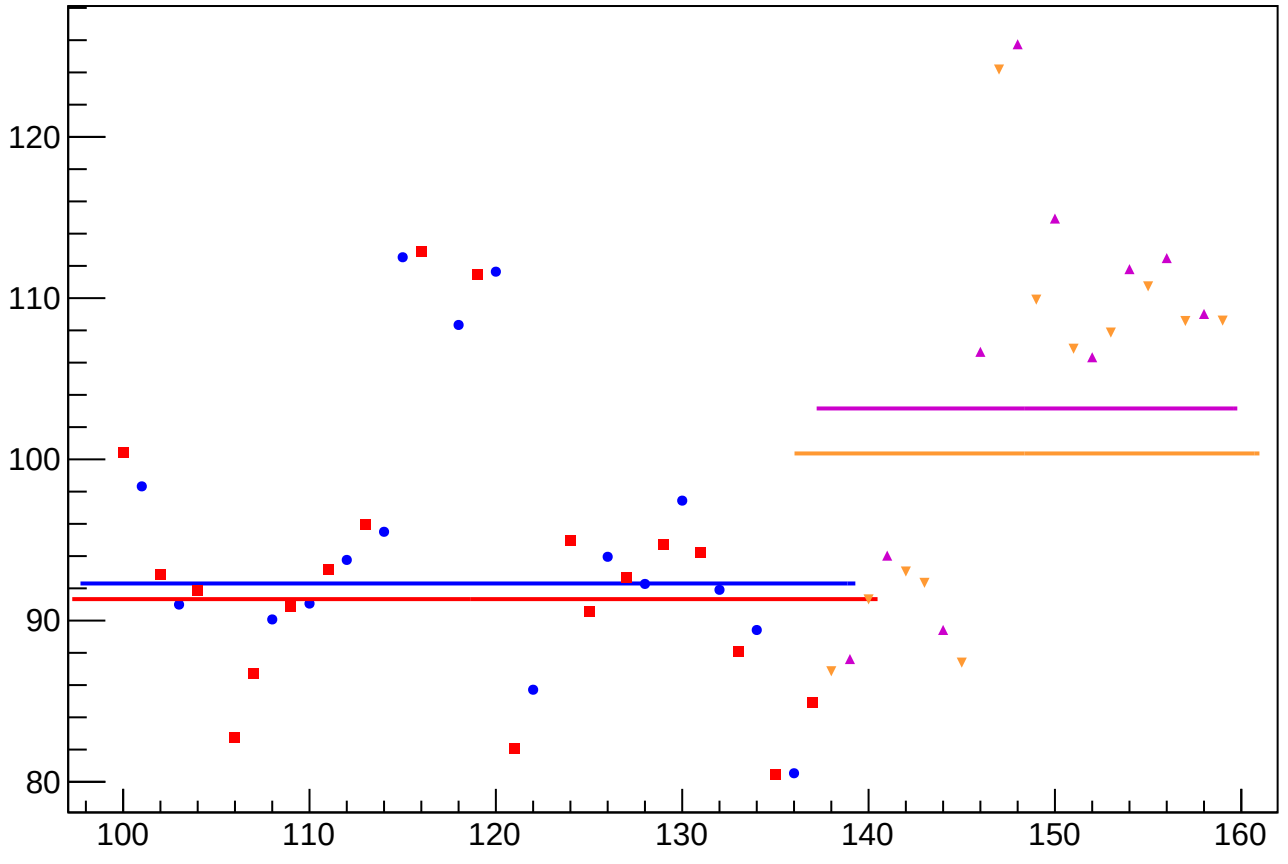
Left: -148.227+/-23.949 χ^2/NDF: 25.8/21

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.692+/-24.604 χ^2/NDF:41.5/25

Out: -81.050+/-23.416 χ^2/NDF:40.8/30

All: -69.473+/-16.962 χ^2/NDF: 82.8/56



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.367+/-0.023 χ^2/NDF:229150.2/11

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

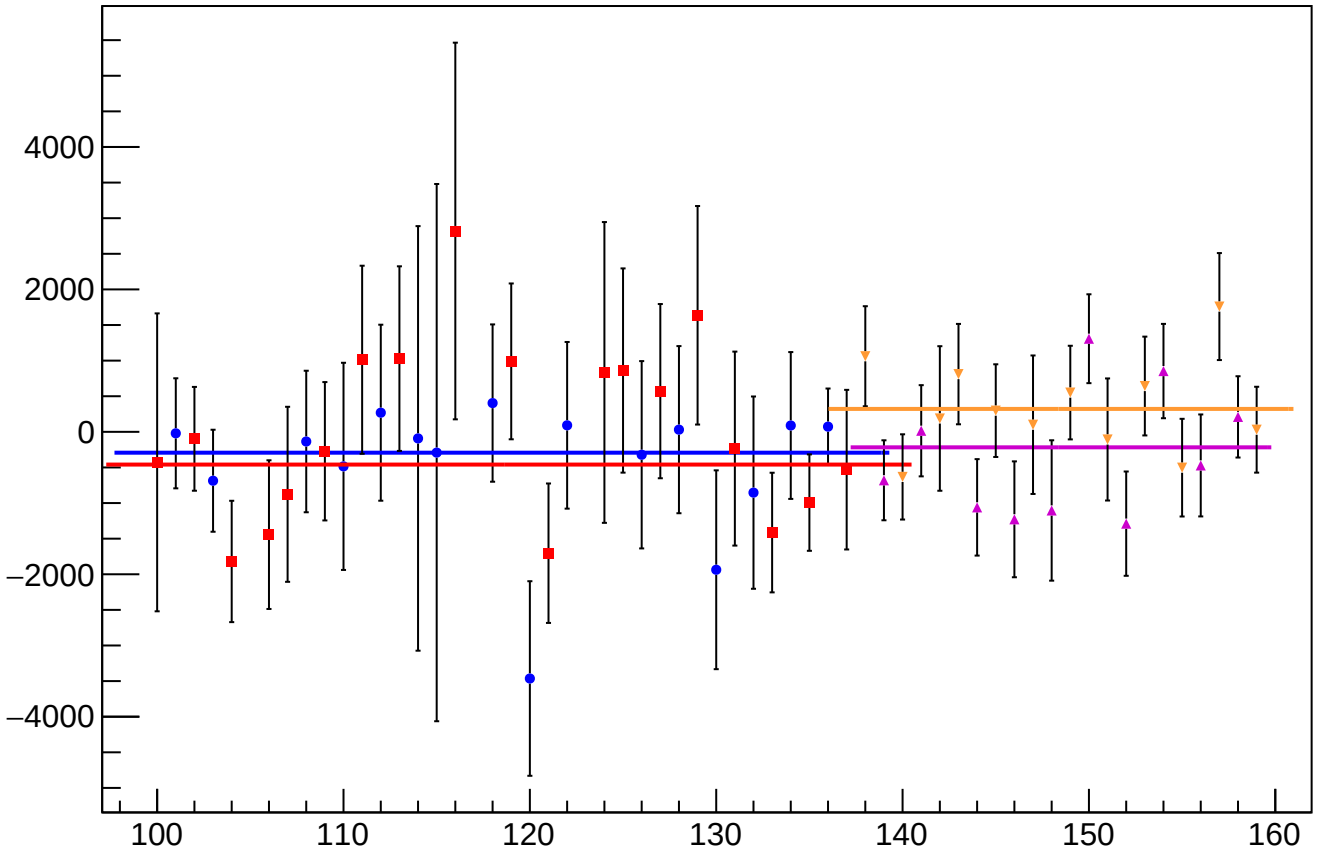
Left: 101.660+/-0.017 χ^2/NDF: 451624.5/21

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 97.614+/-0.017 χ^2/NDF:420065.0/25

Out: 95.965+/-0.017 χ^2/NDF:408452.3/30

All: 96.749+/-0.012 χ^2/NDF: 833228.6/56



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 321.885+/-205.738 χ^2/NDF:10.1/11

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -217.569+/-212.890 χ^2/NDF:16.1/9

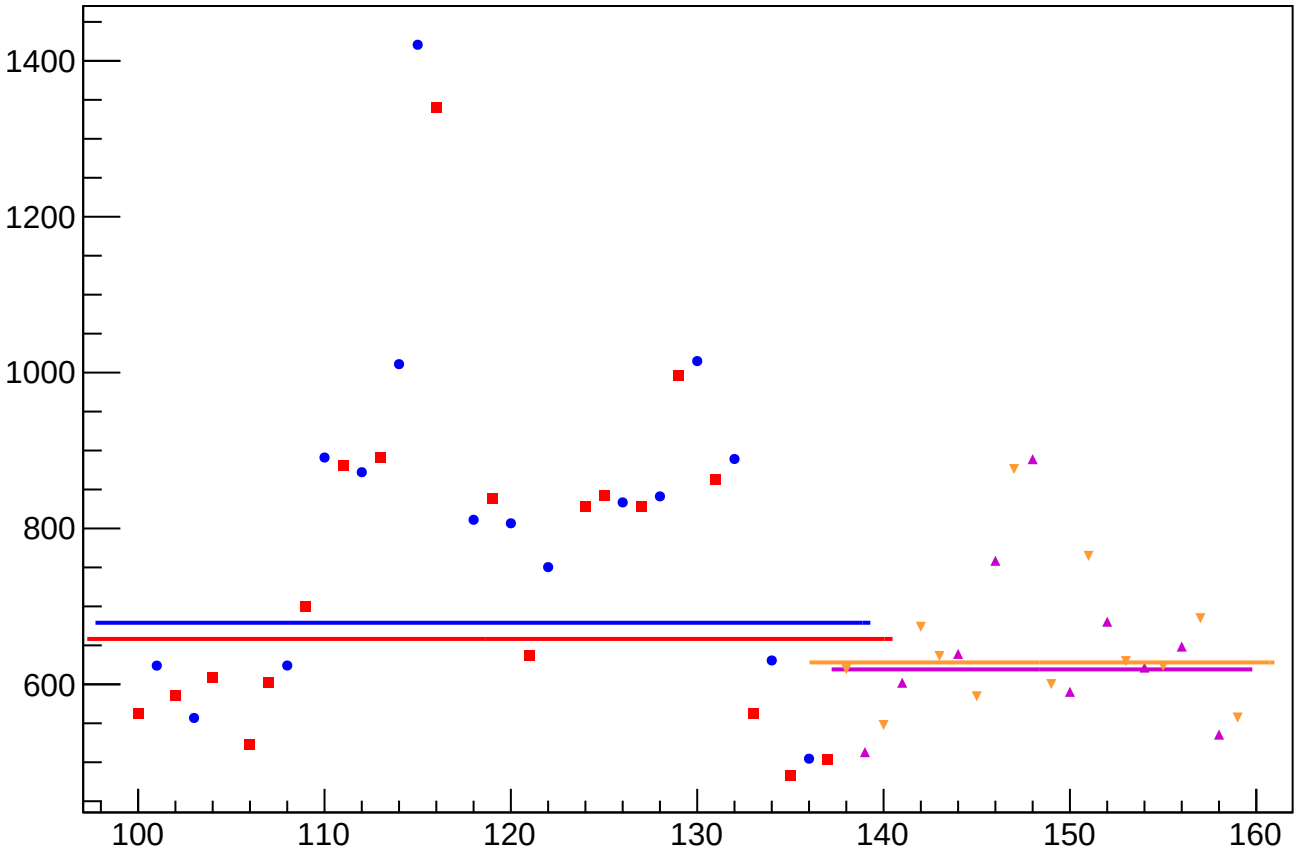
Left: 61.372+/-147.942 χ^2/NDF: 29.6/21

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -247.788+/-164.639 χ^2/NDF:25.0/25

Out: 5.646+/-158.743 χ^2/NDF:33.0/30

All: -116.451+/-114.276 χ^2/NDF: 59.2/56



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 628.086+/-0.145 χ^2/NDF:273292.5/11

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

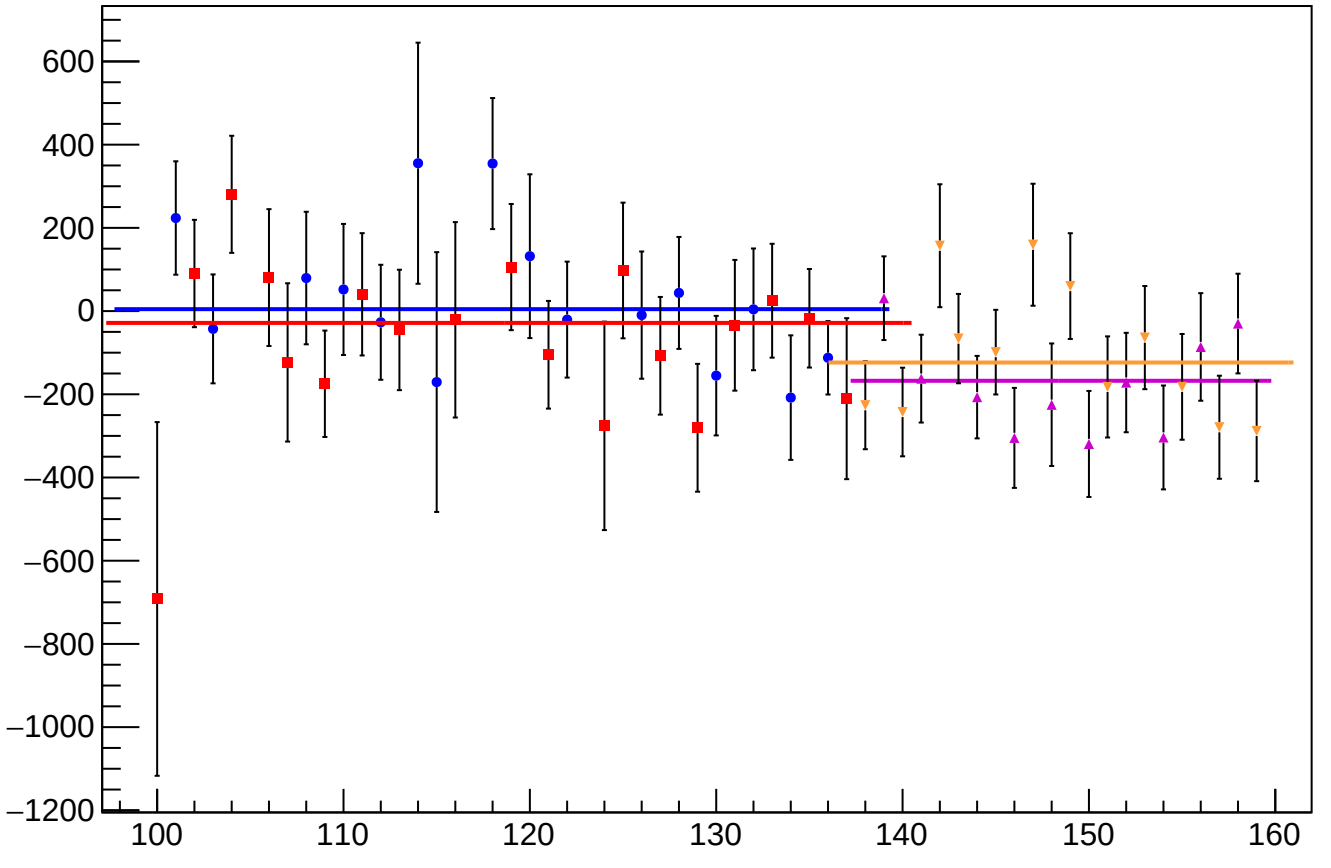
Left: 623.765+/-0.105 χ^2/NDF: 622789.4/21

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.200+/-0.116 χ^2/NDF:1179217.8/25

Out: 640.297+/-0.112 χ^2/NDF:1096601.6/30

All: 641.695+/-0.081 χ^2/NDF: 2276141.6/56



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -123.586+/-34.428 χ^2/NDF:16.1/11

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -167.539+/-36.985 χ^2/NDF:9.8/9

Left: -143.991+/-25.200 χ^2/NDF: 26.7/21

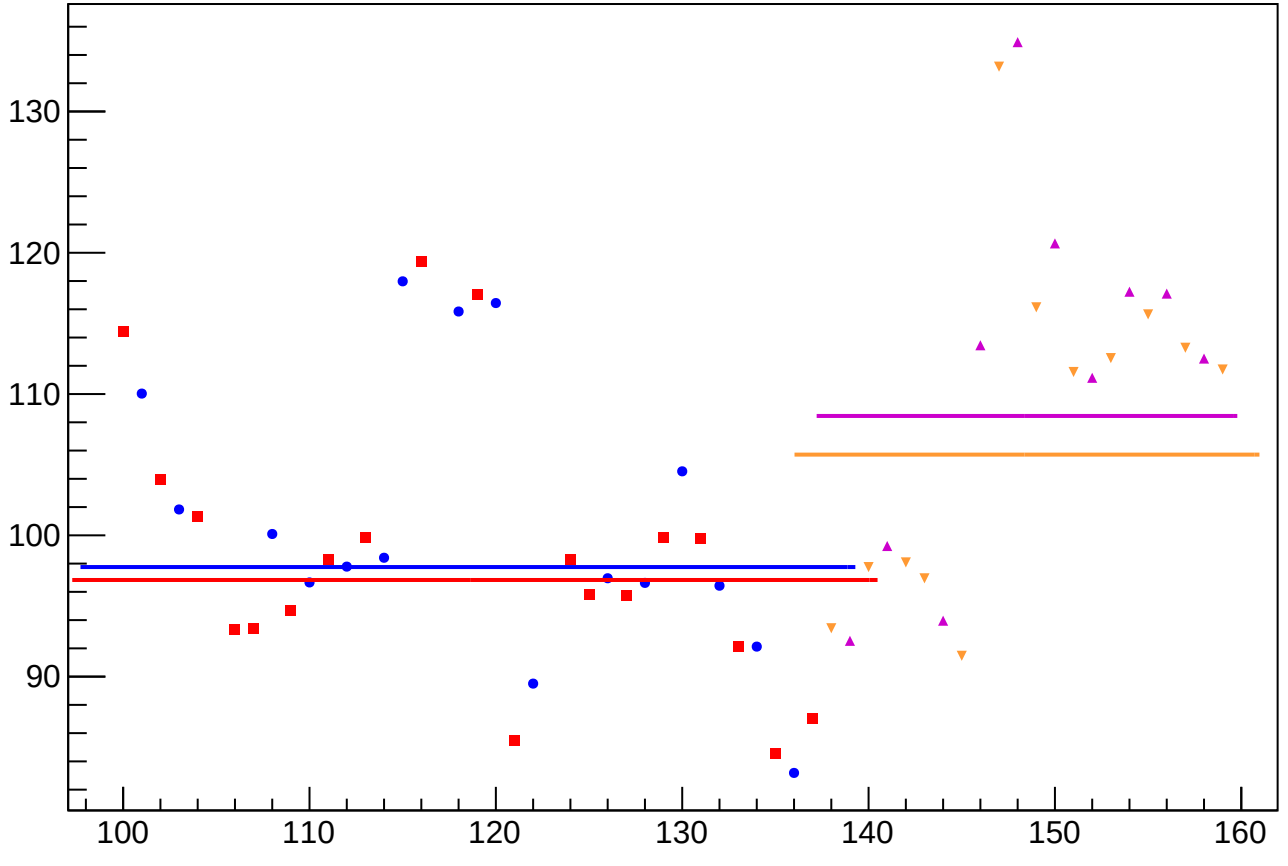
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -80.344+/-25.983 χ^2/NDF:36.2/25

Out: -77.408+/-24.703 χ^2/NDF:36.9/30

All: -78.802+/-17.903 χ^2/NDF: 73.0/56

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 105.714+/-0.024 χ^2/NDF:214989.0/11

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 108.450+/-0.026 χ^2/NDF:216613.2/9

Left: 106.984+/-0.018 χ^2/NDF: 437467.4/21

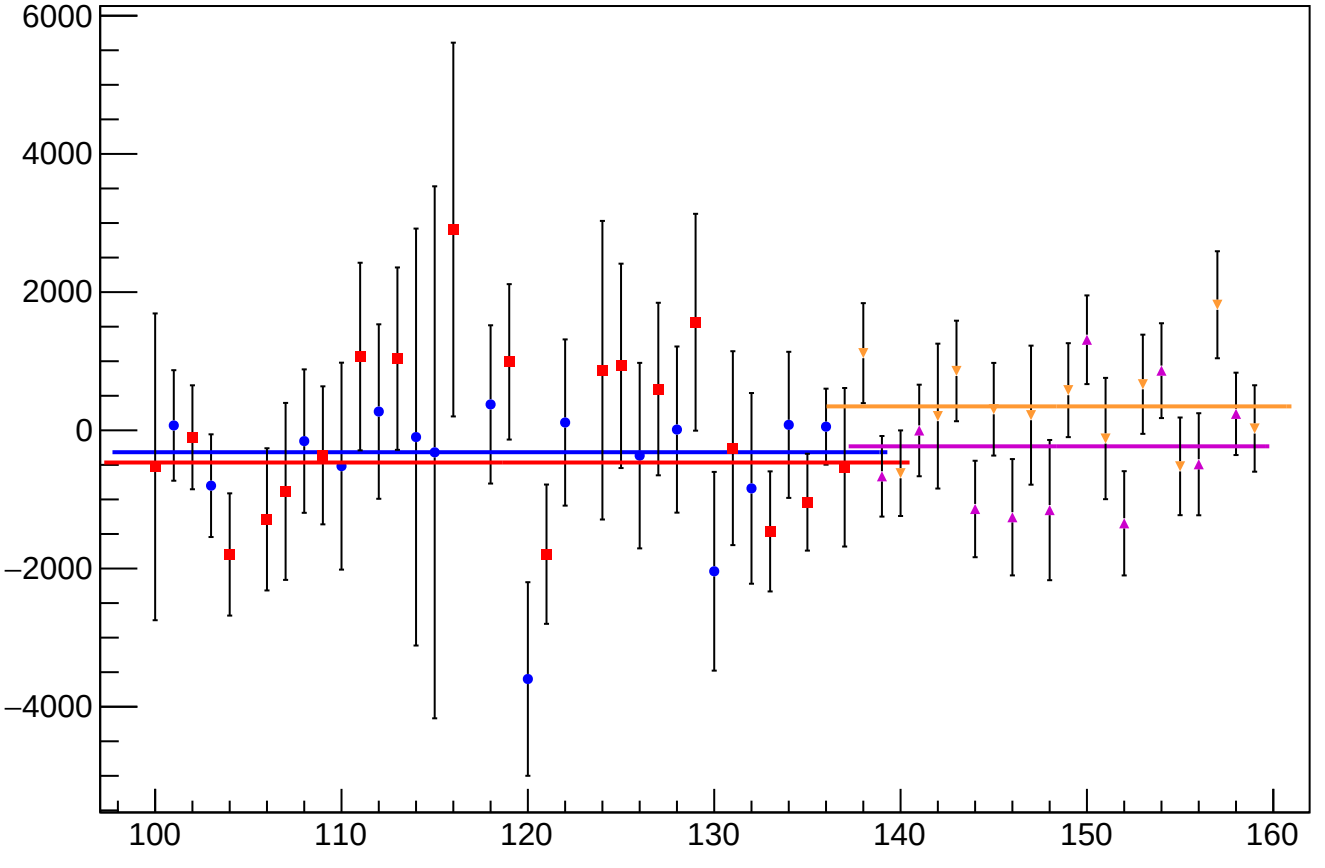
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 103.034+/-0.018 χ^2/NDF:441952.5/25

Out: 101.408+/-0.017 χ^2/NDF:394623.4/30

All: 102.180+/-0.013 χ^2/NDF: 840687.0/56

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 346.437+/-212.443 χ^2/NDF:10.1/11

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -231.428+/-220.268 χ^2/NDF:15.9/9

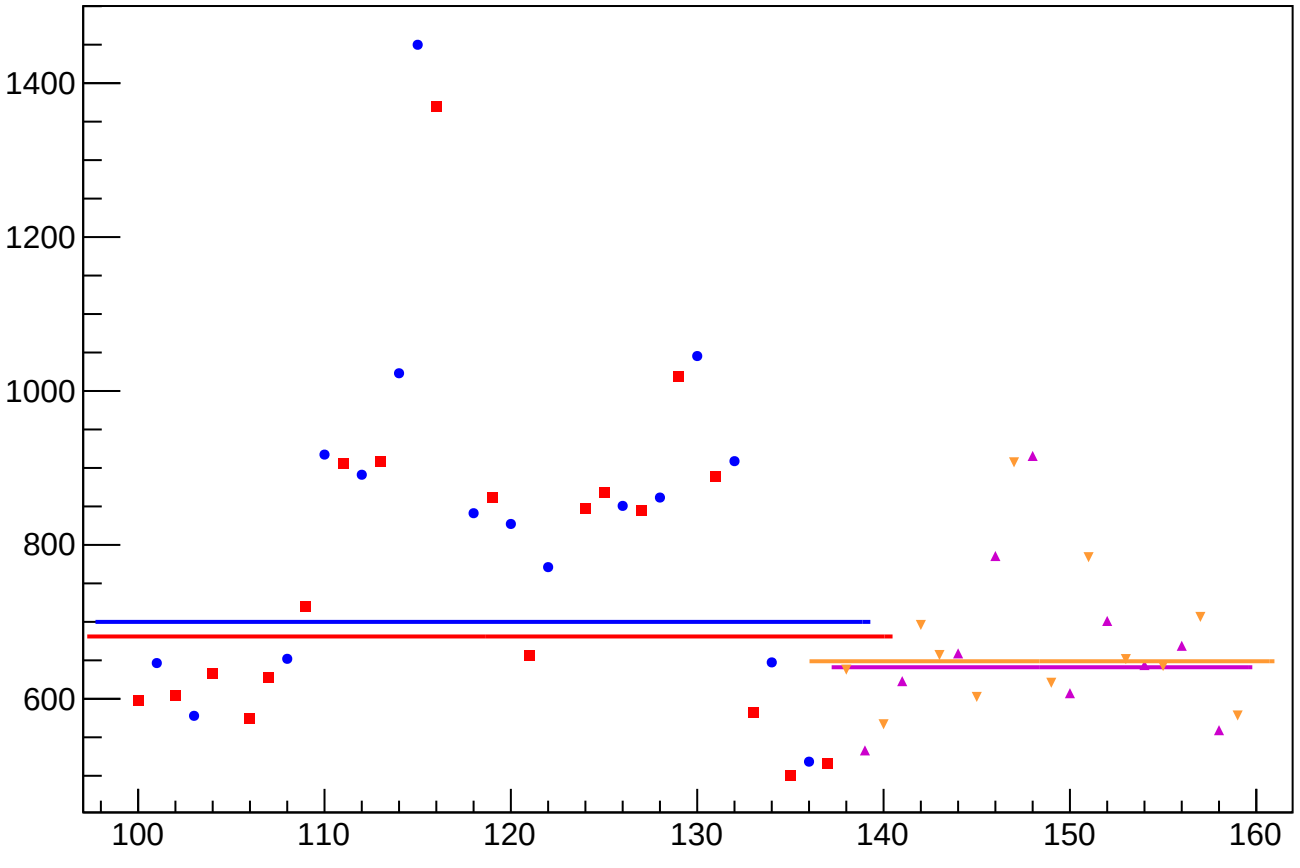
Left: 67.950+/-152.911 χ^2/NDF: 29.6/21

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -265.830+/-170.043 χ^2/NDF:25.1/25

Out: 16.274+/-163.650 χ^2/NDF:32.5/30

All: -119.375+/-117.914 χ^2/NDF: 59.1/56



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 648.814+/-0.150 χ^2/NDF:268736.8/11

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 641.035+/-0.156 χ^2/NDF:335655.0/9

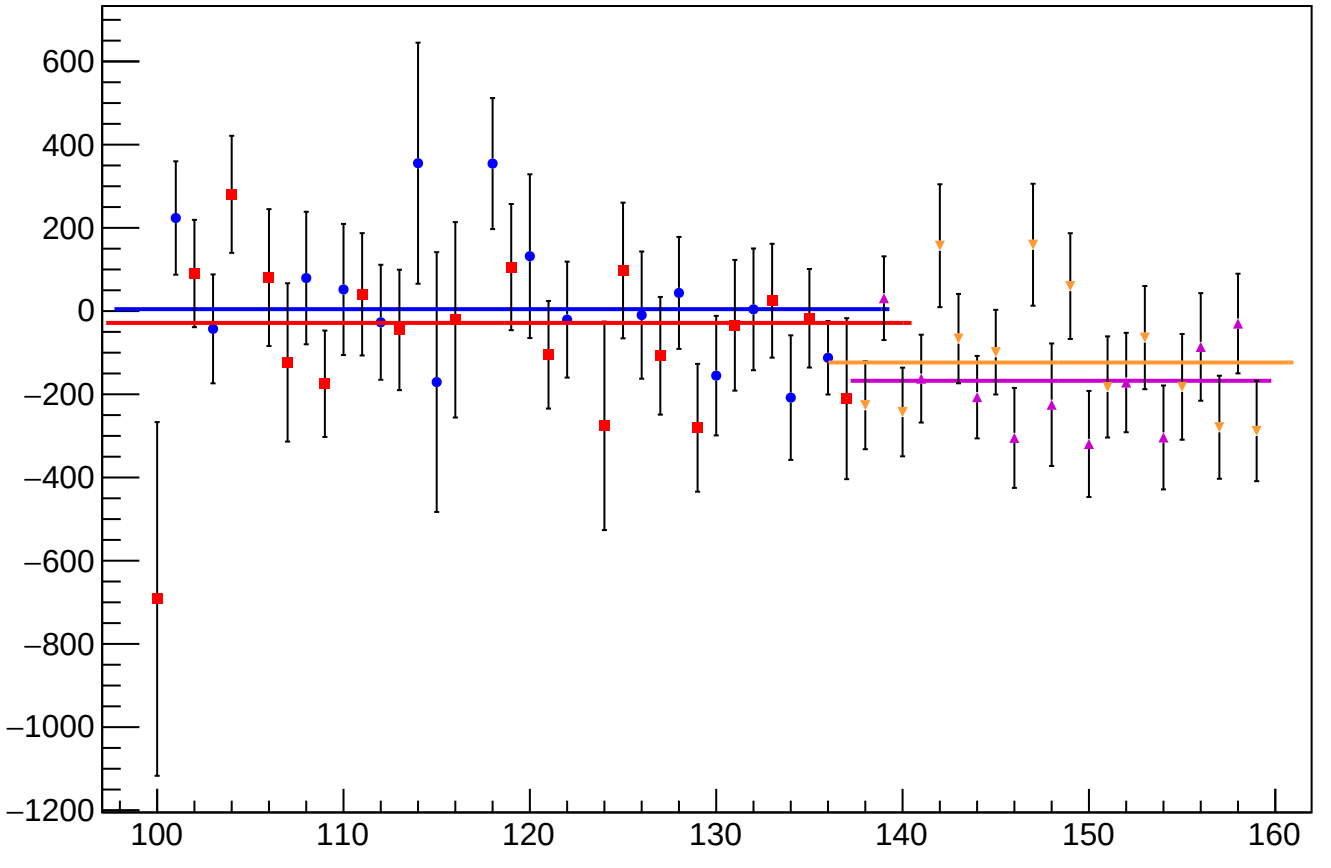
Left: 645.065+/-0.108 χ^2/NDF: 605684.3/21

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 664.848+/-0.120 χ^2/NDF:1147175.7/25

Out: 661.908+/-0.116 χ^2/NDF:1056818.7/30

All: 663.321+/-0.083 χ^2/NDF: 2204304.9/56



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -123.586+/-34.429 χ^2/NDF:16.1/11

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -167.539+/-36.985 χ^2/NDF:9.8/9

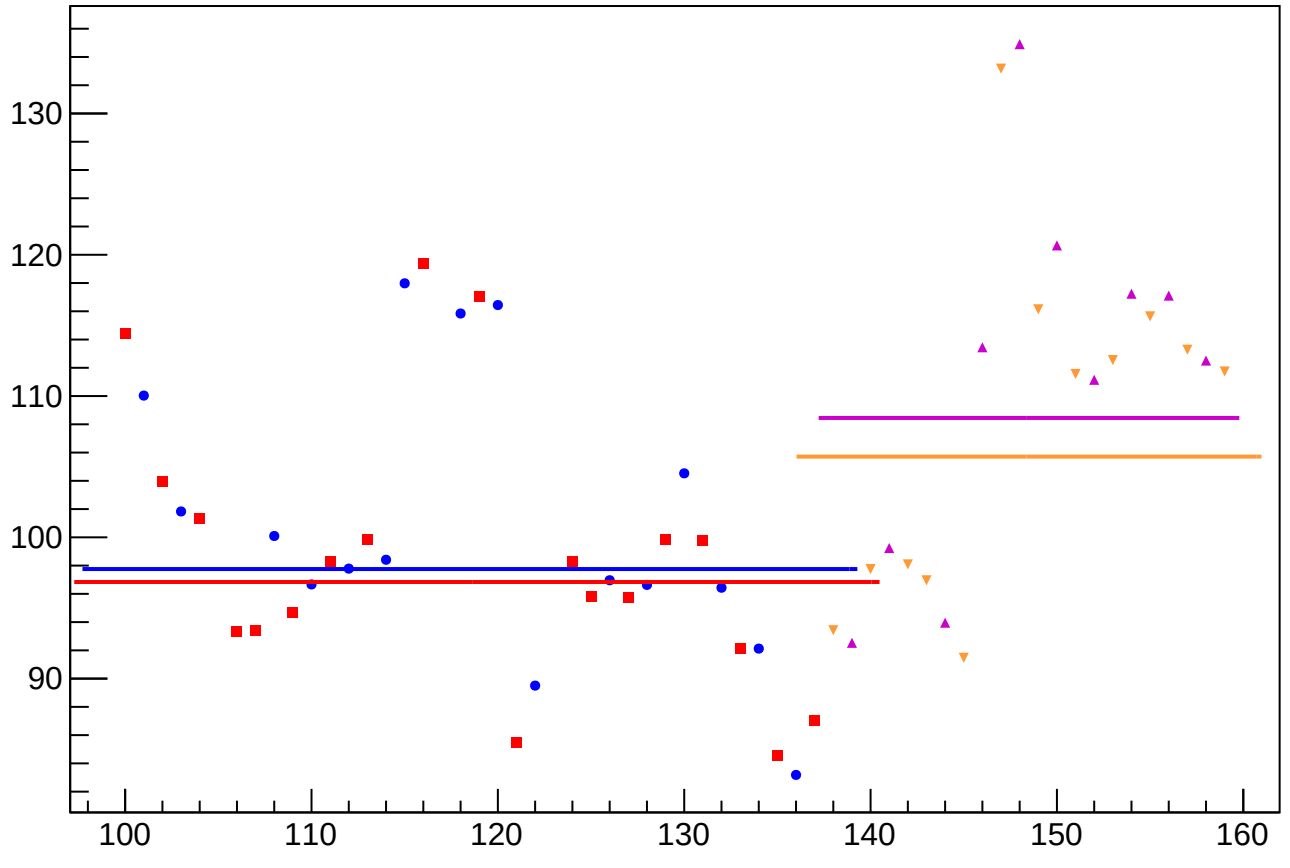
Left: -143.991+/-25.200 χ^2/NDF: 26.7/21

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -80.343+/-25.983 χ^2/NDF:36.2/25

Out: -77.407+/-24.703 χ^2/NDF:36.9/30

All: -78.801+/-17.903 χ^2/NDF: 73.0/56



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 105.714+/-0.024 χ^2/NDF:214989.6/11

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.450+/-0.026 χ^2/NDF:216612.6/9

Left: 106.984+/-0.018 χ^2/NDF: 437467.5/21

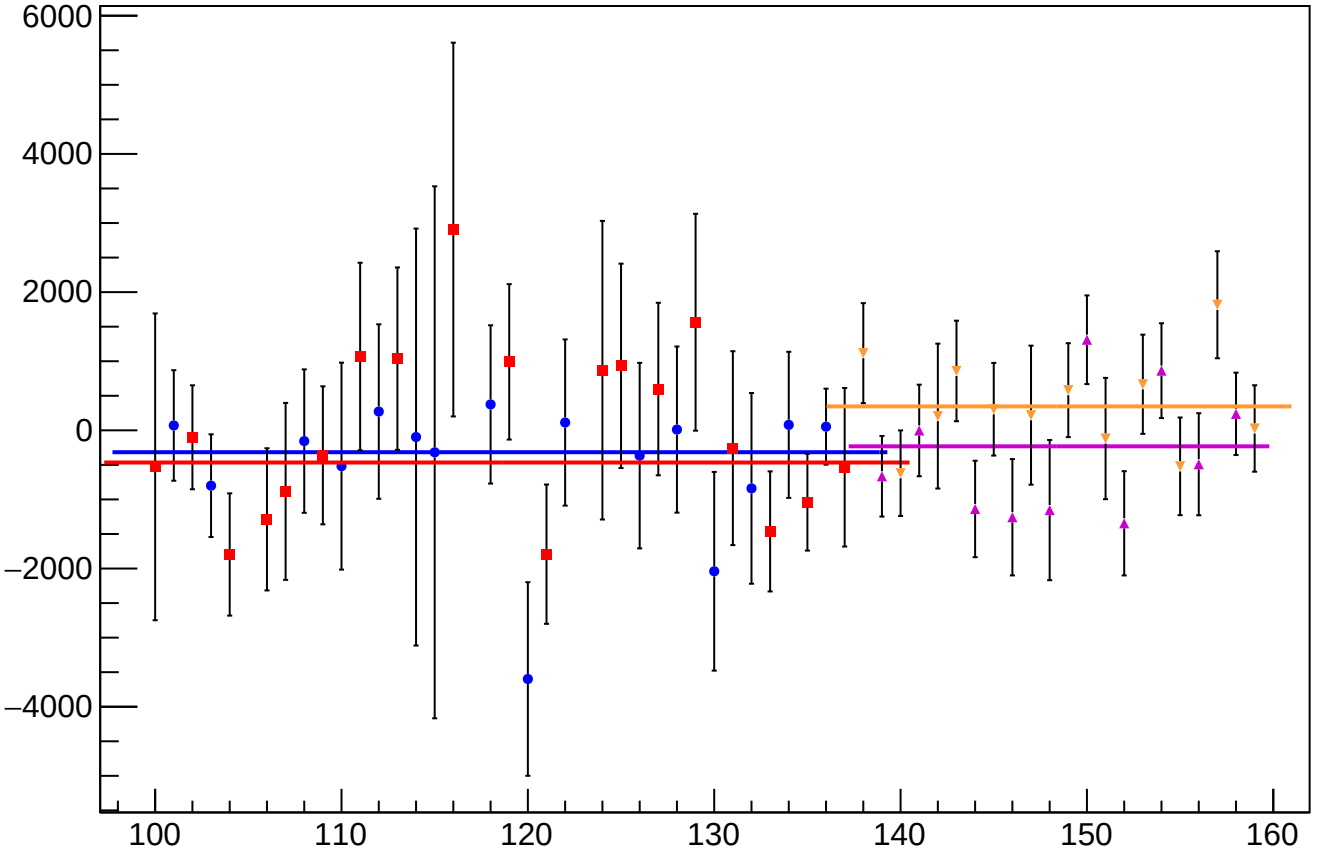
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 103.033+/-0.018 χ^2/NDF:441959.5/25

Out: 101.408+/-0.017 χ^2/NDF:394632.6/30

All: 102.180+/-0.013 χ^2/NDF: 840703.3/56

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 346.437+/-212.443 χ^2/NDF:10.1/11

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -231.429+/-220.268 χ^2/NDF:15.9/9

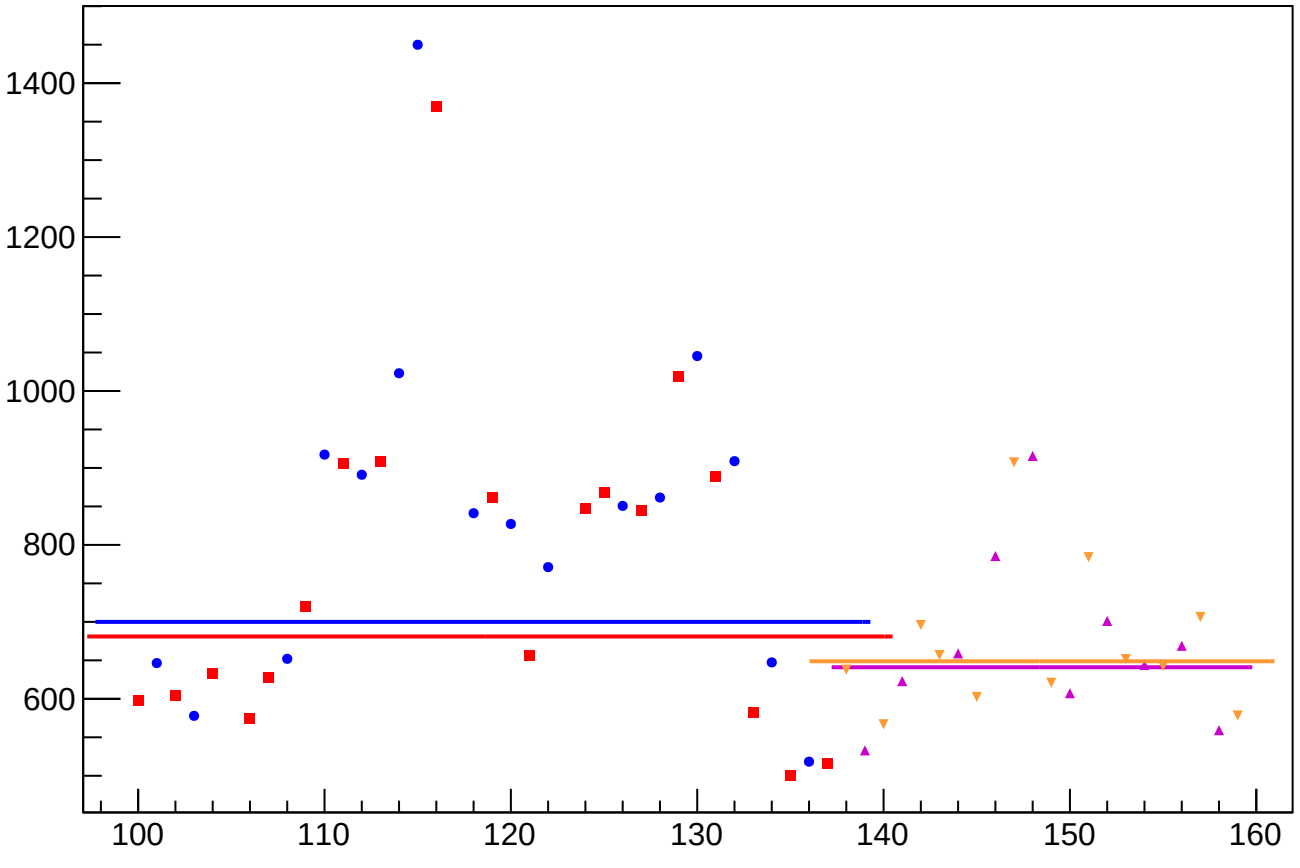
Left: 67.950+/-152.911 χ^2/NDF: 29.6/21

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -265.830+/-170.043 χ^2/NDF:25.1/25

Out: 16.273+/-163.650 χ^2/NDF:32.5/30

All: -119.376+/-117.914 χ^2/NDF: 59.1/56



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 648.815+/-0.150 χ^2/NDF:268737.7/11

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 641.036+/-0.156 χ^2/NDF:335656.6/9

Left: 645.066+/-0.108 χ^2/NDF: 605686.7/21

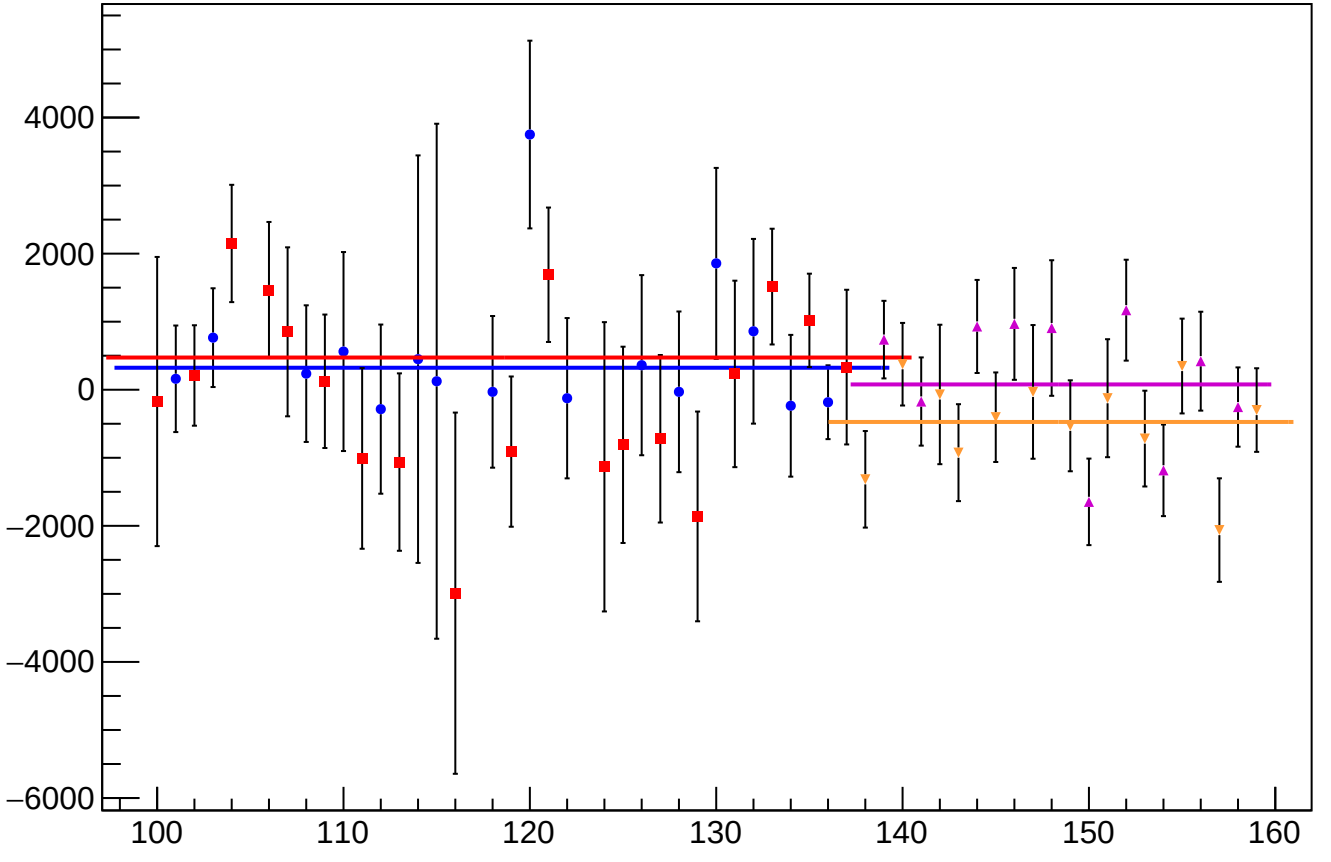
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 664.848+/-0.120 χ^2/NDF:1147175.6/25

Out: 661.907+/-0.116 χ^2/NDF:1056819.9/30

All: 663.321+/-0.083 χ^2/NDF: 2204306.0/56

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -473.484+/-208.522 χ^2/NDF:10.3/11

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 77.947+/-216.038 χ^2/NDF:18.5/9

Left: -207.526+/-150.034 χ^2/NDF: 32.1/21

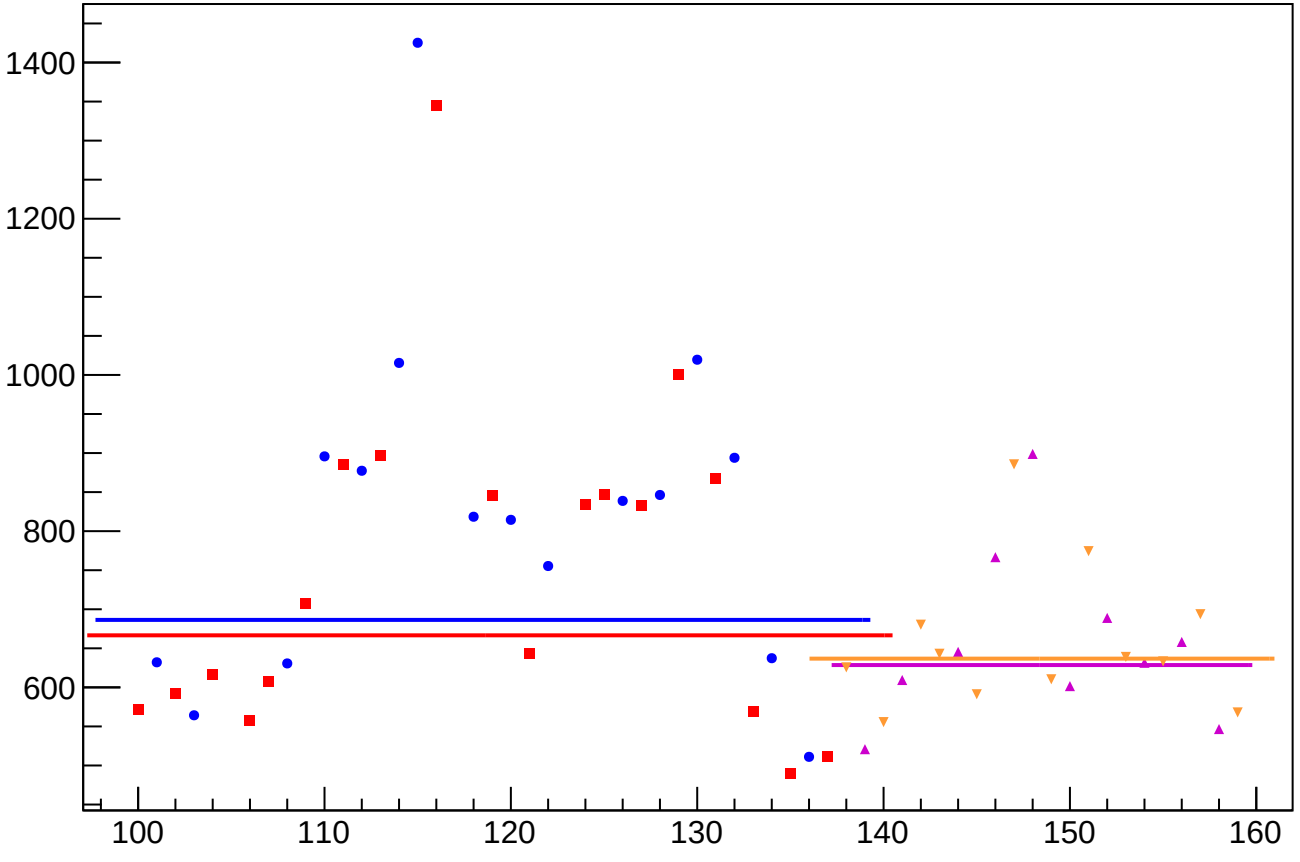
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 177.058+/-166.766 χ^2/NDF:28.7/25

Out: -87.498+/-160.480 χ^2/NDF:38.1/30

All: 39.700+/-115.635 χ^2/NDF: 68.1/56

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 636.799+/-0.147 χ^2/NDF:267855.4/11

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 628.588+/-0.153 χ^2/NDF:337908.4/9

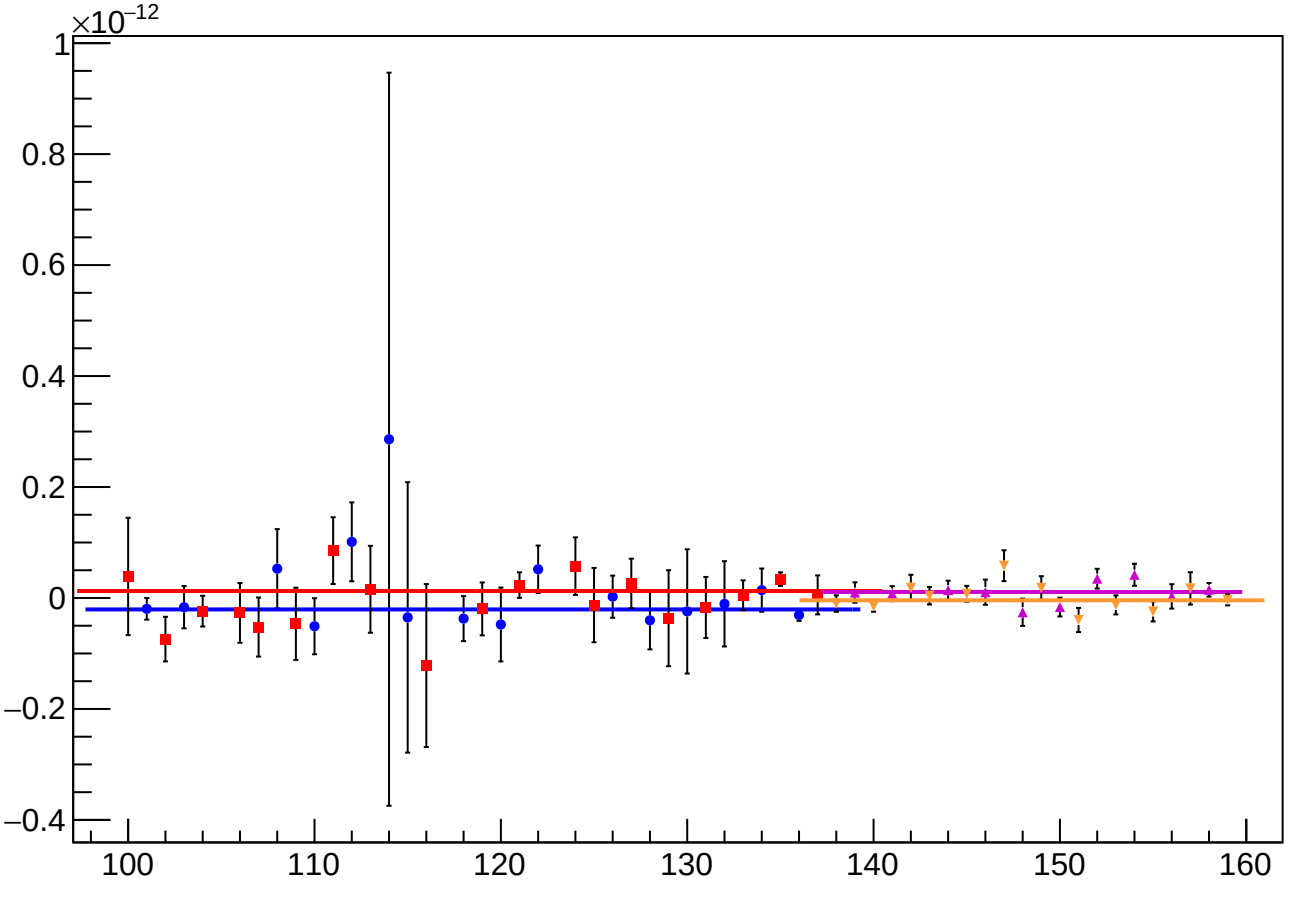
Left: 632.839+/-0.106 χ^2/NDF: 607259.7/21

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.949+/-0.118 χ^2/NDF:1145230.8/25

Out: 648.963+/-0.113 χ^2/NDF:1061581.9/30

All: 650.399+/-0.082 χ^2/NDF: 2207145.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/9

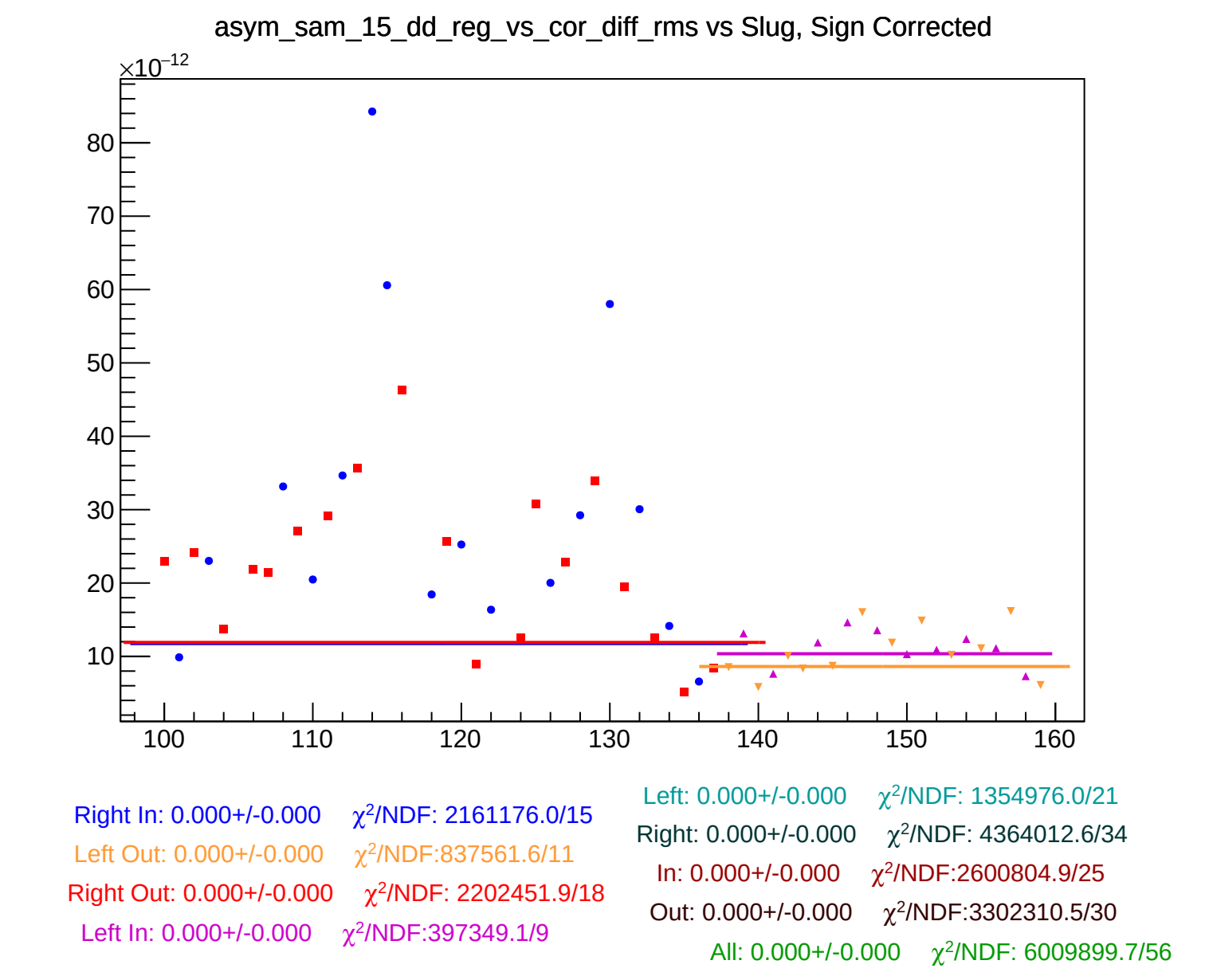
Left: 0.000+/-0.000 χ^2/NDF: 27.9/21

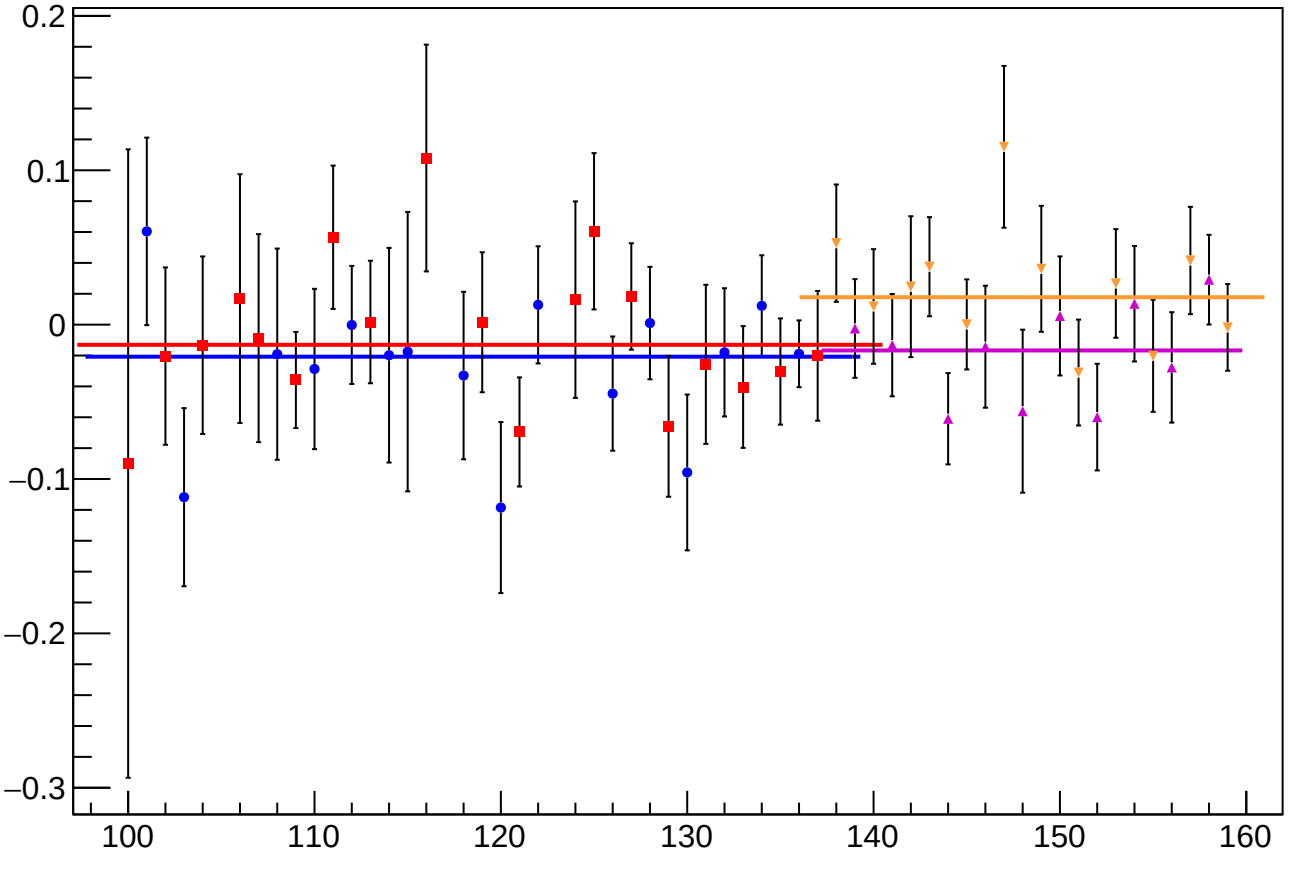
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:30.2/25

Out: -0.000+/-0.000 χ^2/NDF:34.5/30

All: 0.000+/-0.000 χ^2/NDF: 64.7/56


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
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:837561.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:397349.1/9
Left: 0.000+/-0.000 χ²/NDF: 1354976.0/21
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2600804.9/25
Out: 0.000+/-0.000 χ²/NDF:3302310.5/30
All: 0.000+/-0.000 χ²/NDF: 6009899.7/56



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.017+/-0.011 χ^2/NDF:8.1/9

Left: 0.002+/-0.008 χ^2/NDF: 22.8/21

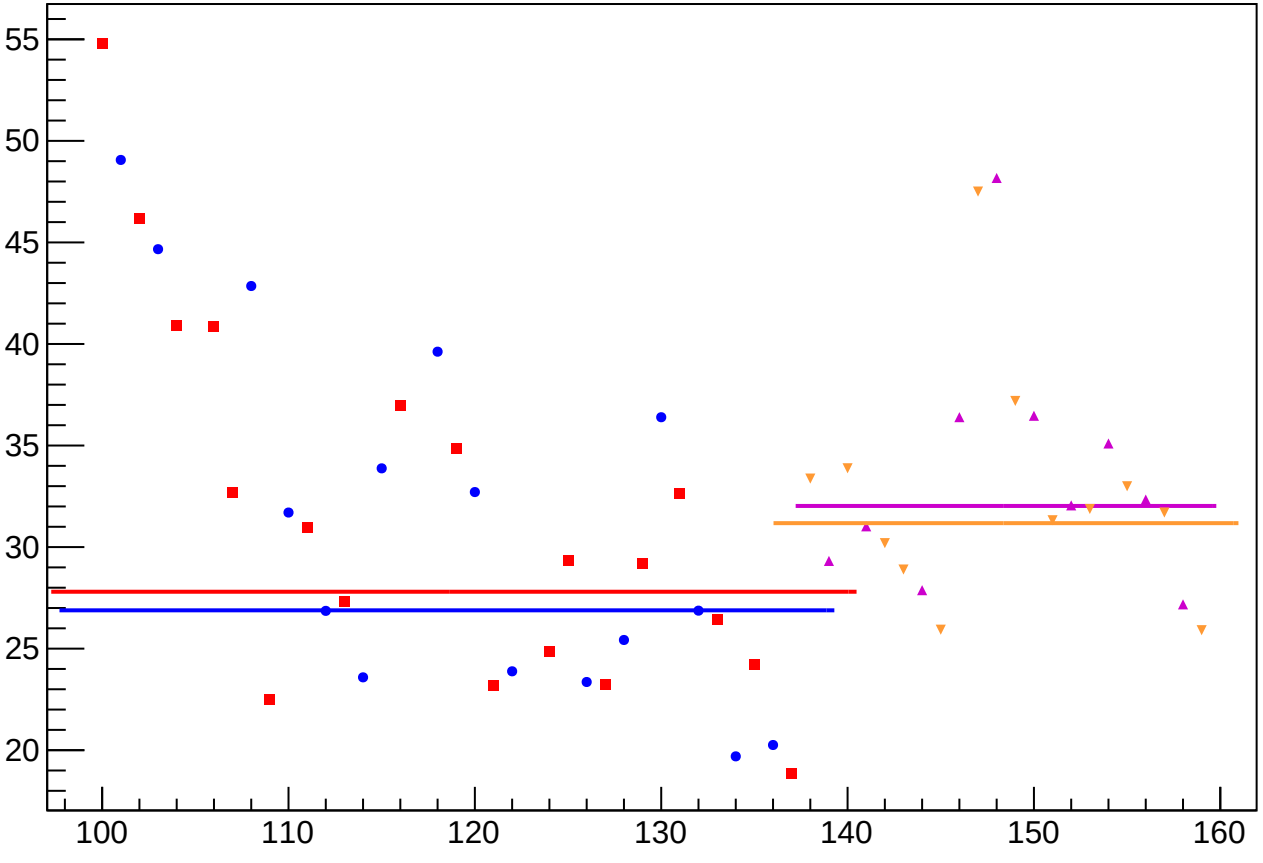
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.008 χ^2/NDF:20.8/25

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.008+/-0.005 χ^2/NDF: 52.7/56

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: 31.178+/-0.007 χ^2/NDF:407256.9/11

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

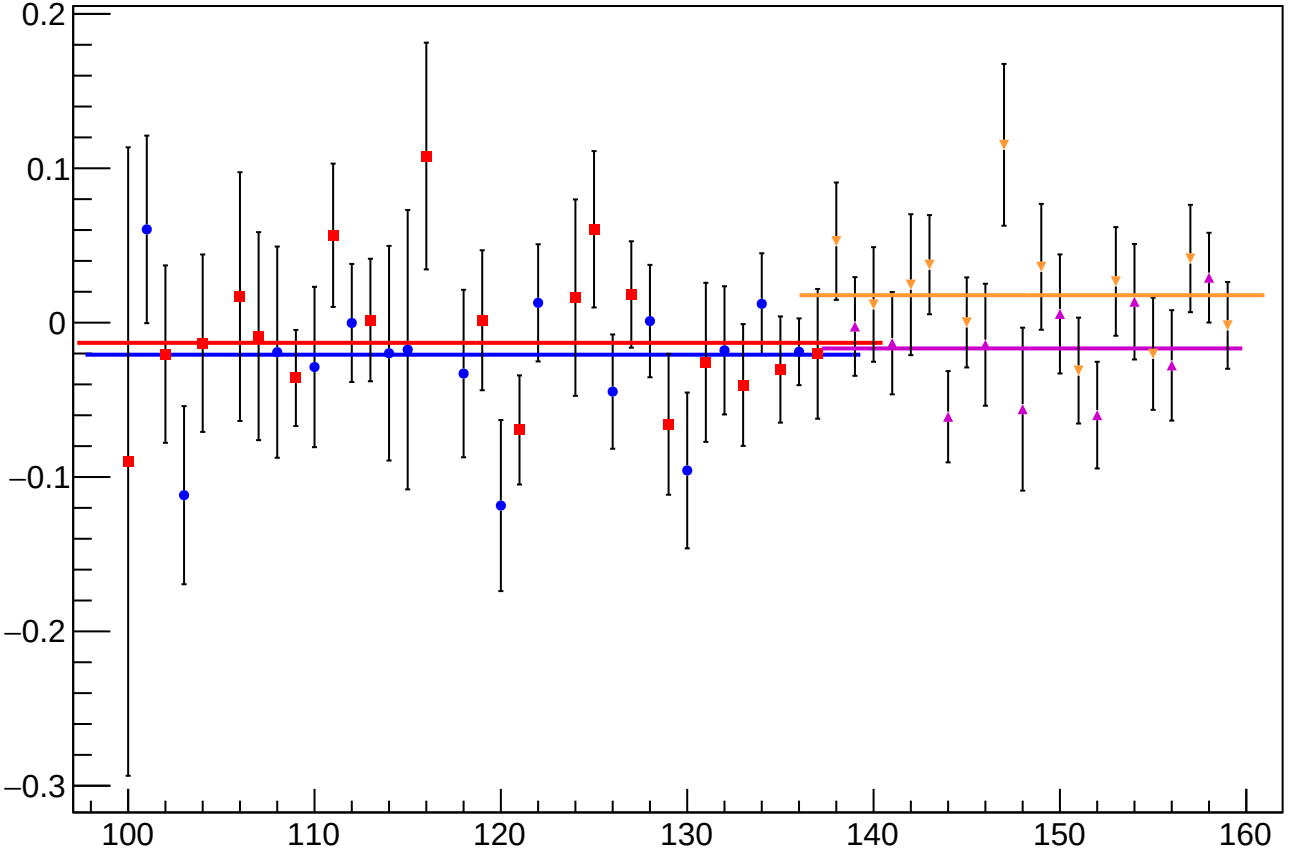
Left: 31.571+/-0.005 χ^2/NDF: 776493.9/21

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.332+/-0.005 χ^2/NDF:1711128.8/25

Out: 29.538+/-0.005 χ^2/NDF:1275839.8/30

All: 29.438+/-0.004 χ^2/NDF: 2987722.7/56



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.017+/-0.011 χ^2/NDF:8.1/9

Left: 0.002+/-0.008 χ^2/NDF: 22.8/21

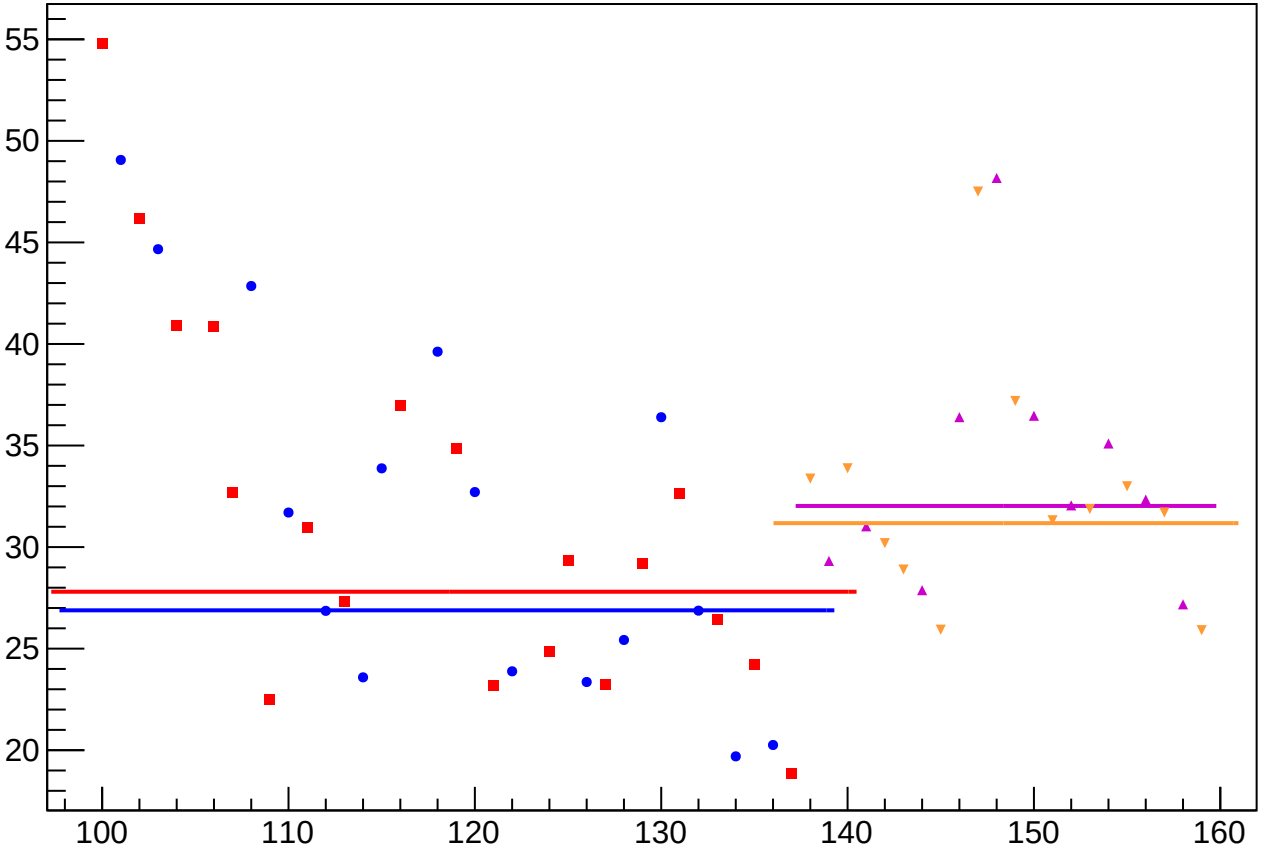
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.008 χ^2/NDF:20.8/25

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.008+/-0.005 χ^2/NDF: 52.7/56

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.178+/-0.007 χ^2/NDF:407256.9/11

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

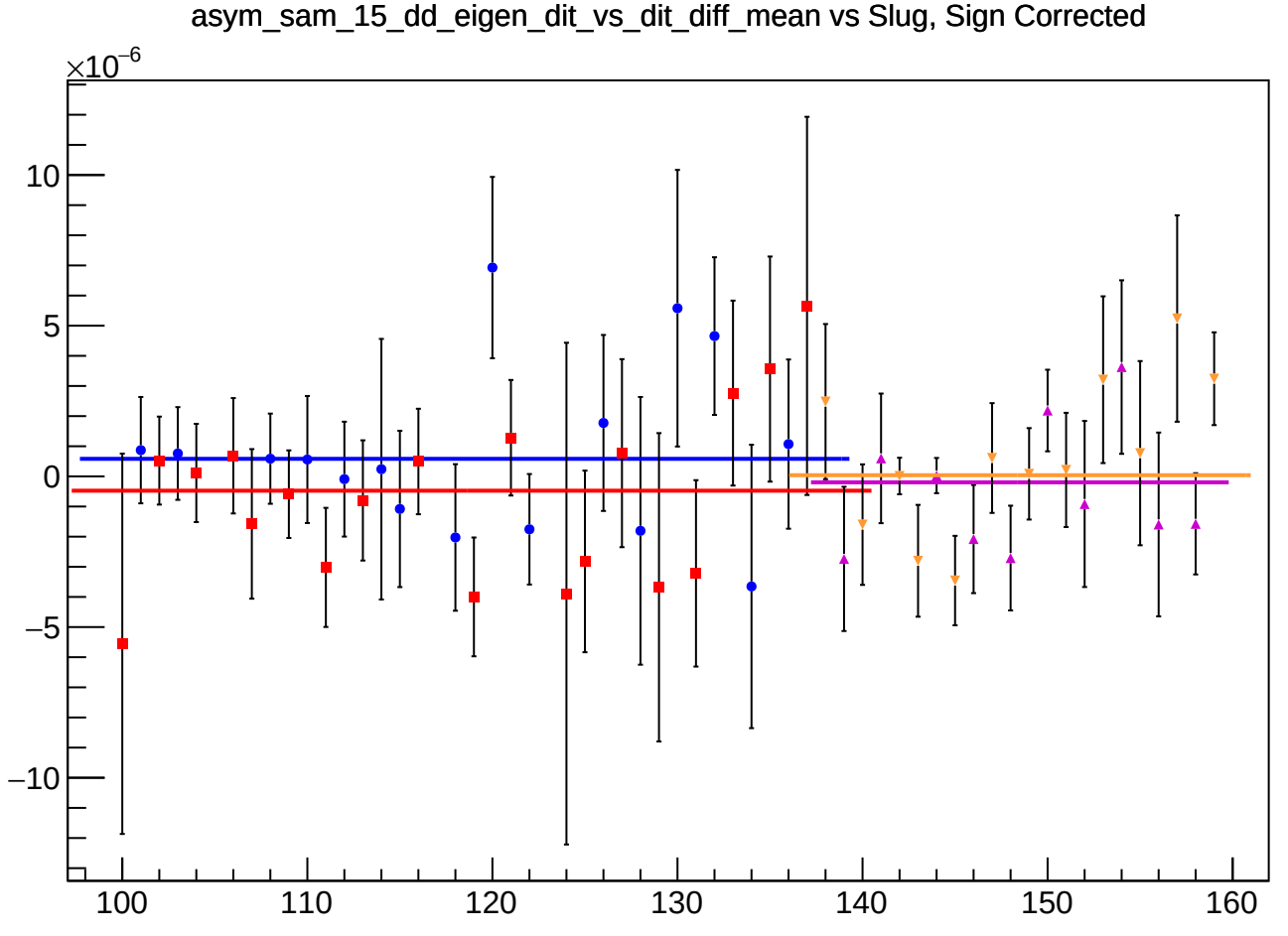
Left: 31.571+/-0.005 χ^2/NDF: 776493.9/21

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.332+/-0.005 χ^2/NDF:1711128.8/25

Out: 29.538+/-0.005 χ^2/NDF:1275839.8/30

All: 29.438+/-0.004 χ^2/NDF: 2987722.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/9

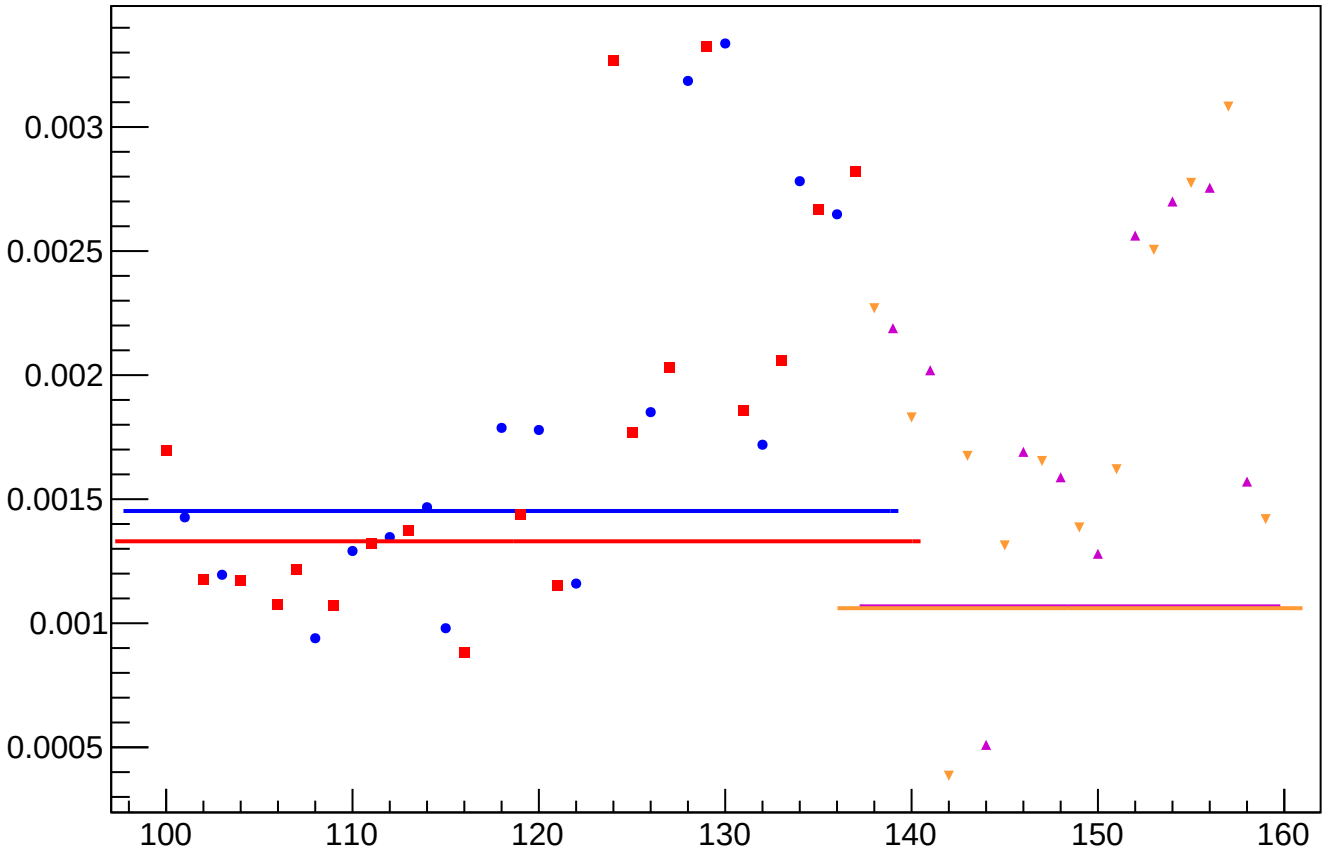
Left: -0.000+/-0.000 χ^2/NDF: 28.1/21

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:24.3/25

Out: -0.000+/-0.000 χ^2/NDF:31.4/30

All: -0.000+/-0.000 χ^2/NDF: 55.9/56



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5957020.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5147884.4/9

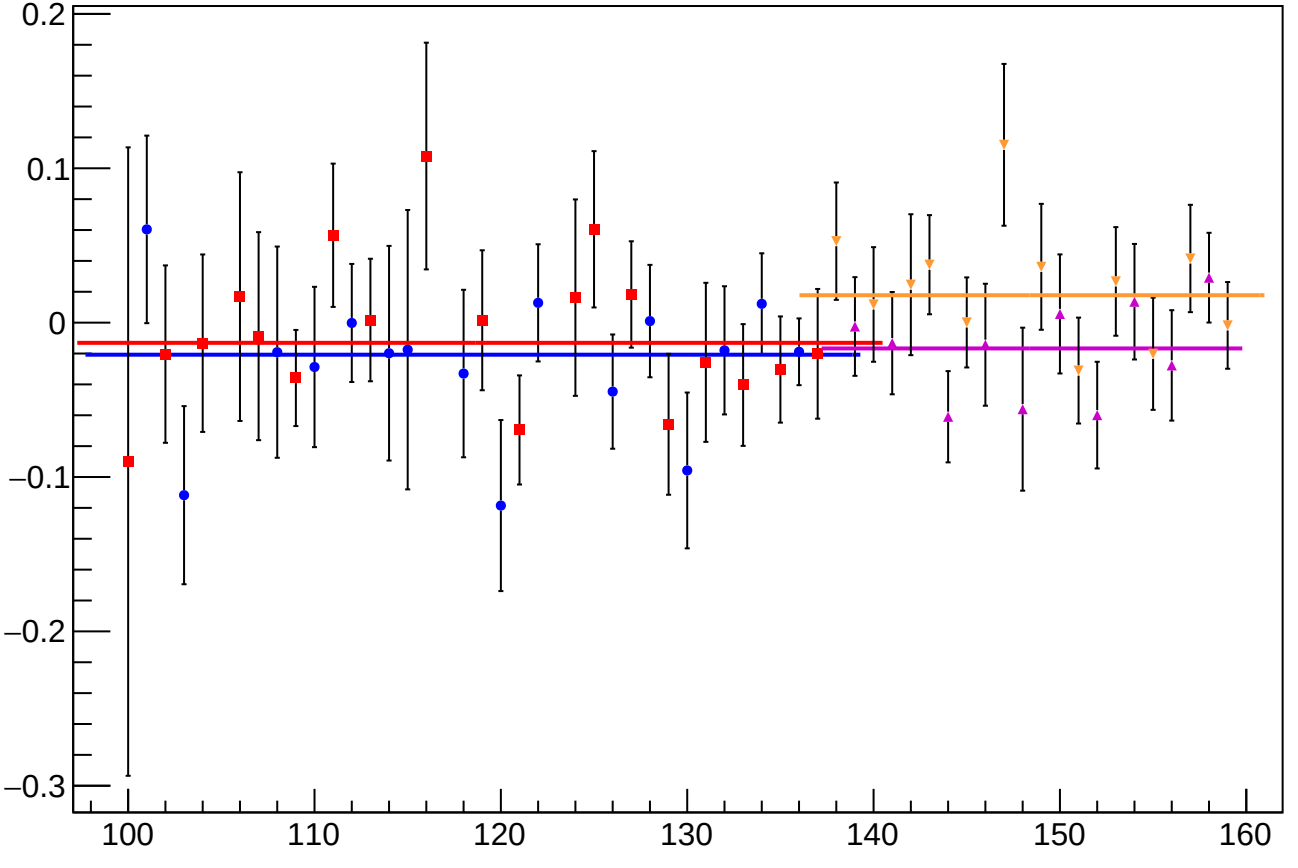
Left: 0.001+/-0.000 χ^2/NDF: 11105204.7/21

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:7421871.8/25

Out: 0.001+/-0.000 χ^2/NDF:7685475.7/30

All: 0.001+/-0.000 χ^2/NDF: 15121764.6/56



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.017+/-0.011 χ^2/NDF:8.1/9

Left: 0.002+/-0.008 χ^2/NDF: 22.8/21

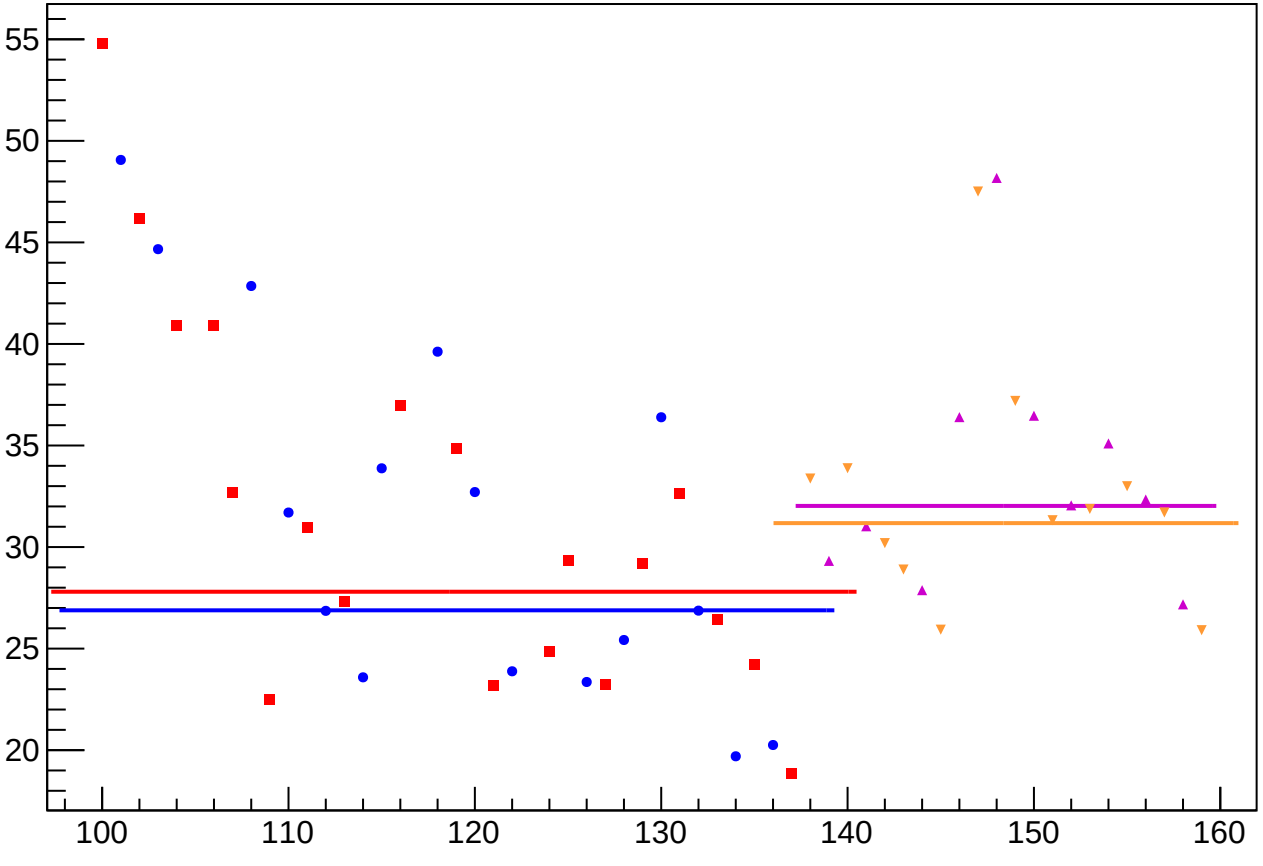
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.008 χ^2/NDF:20.8/25

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.008+/-0.005 χ^2/NDF: 52.7/56

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.178+/-0.007 χ^2/NDF:407343.9/11

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.026+/-0.008 χ^2/NDF:362950.2/9

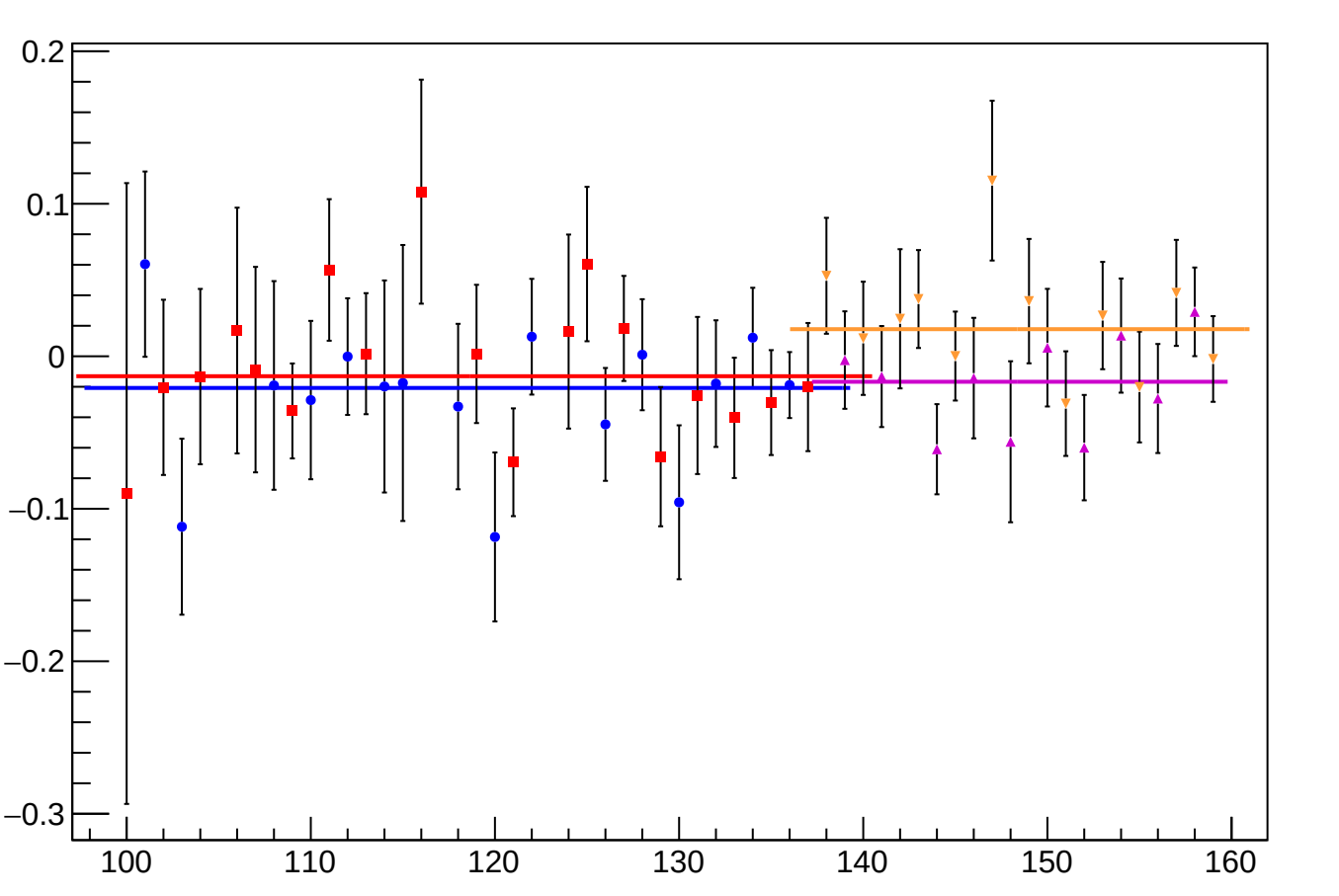
Left: 31.571+/-0.005 χ^2/NDF: 776628.5/21

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.332+/-0.005 χ^2/NDF:1711292.1/25

Out: 29.537+/-0.005 χ^2/NDF:1276127.2/30

All: 29.438+/-0.004 χ^2/NDF: 2988171.4/56



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.017+/-0.011 χ^2/NDF:8.1/9

Left: 0.002+/-0.008 χ^2/NDF: 22.8/21

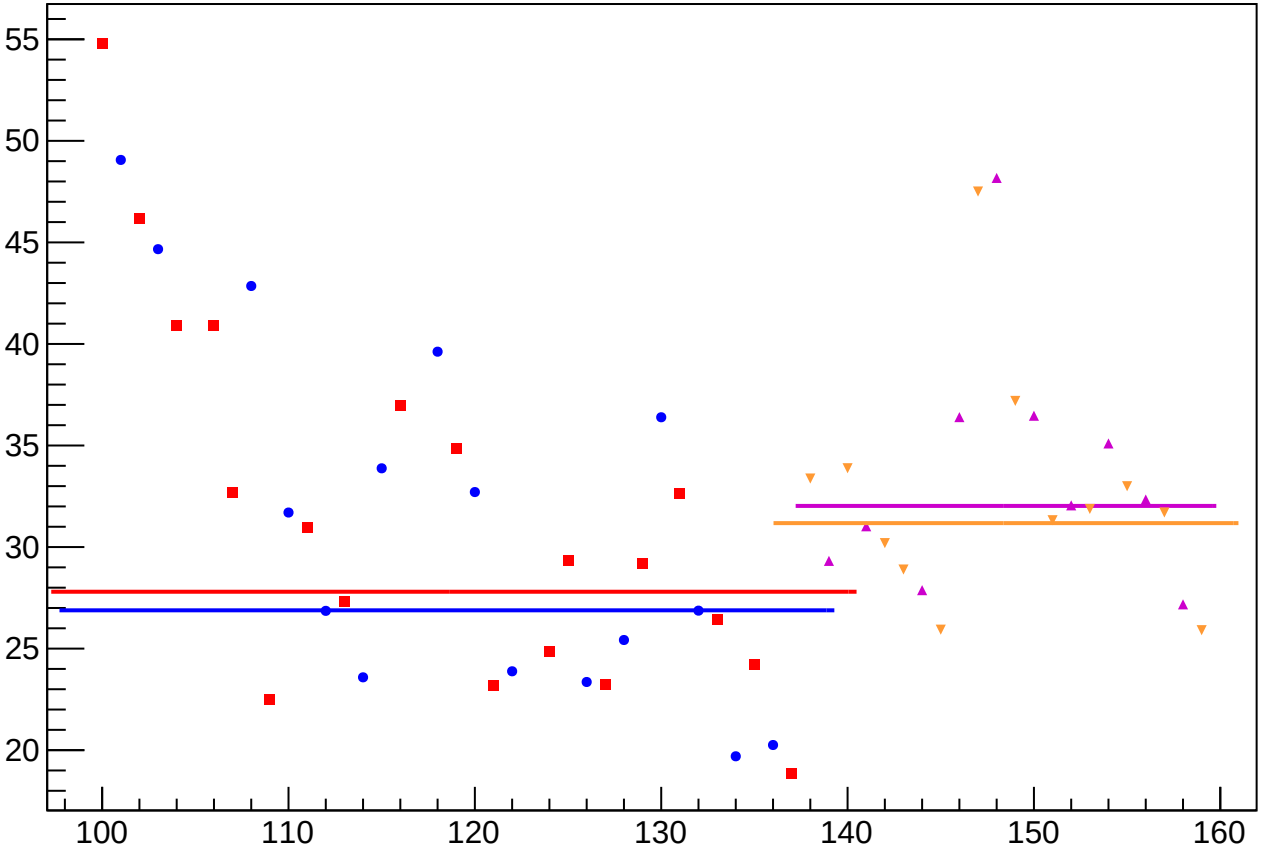
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.008 χ^2/NDF:20.8/25

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.008+/-0.005 χ^2/NDF: 52.7/56

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: 31.178+/-0.007 χ^2/NDF:407343.9/11

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.026+/-0.008 χ^2/NDF:362950.2/9

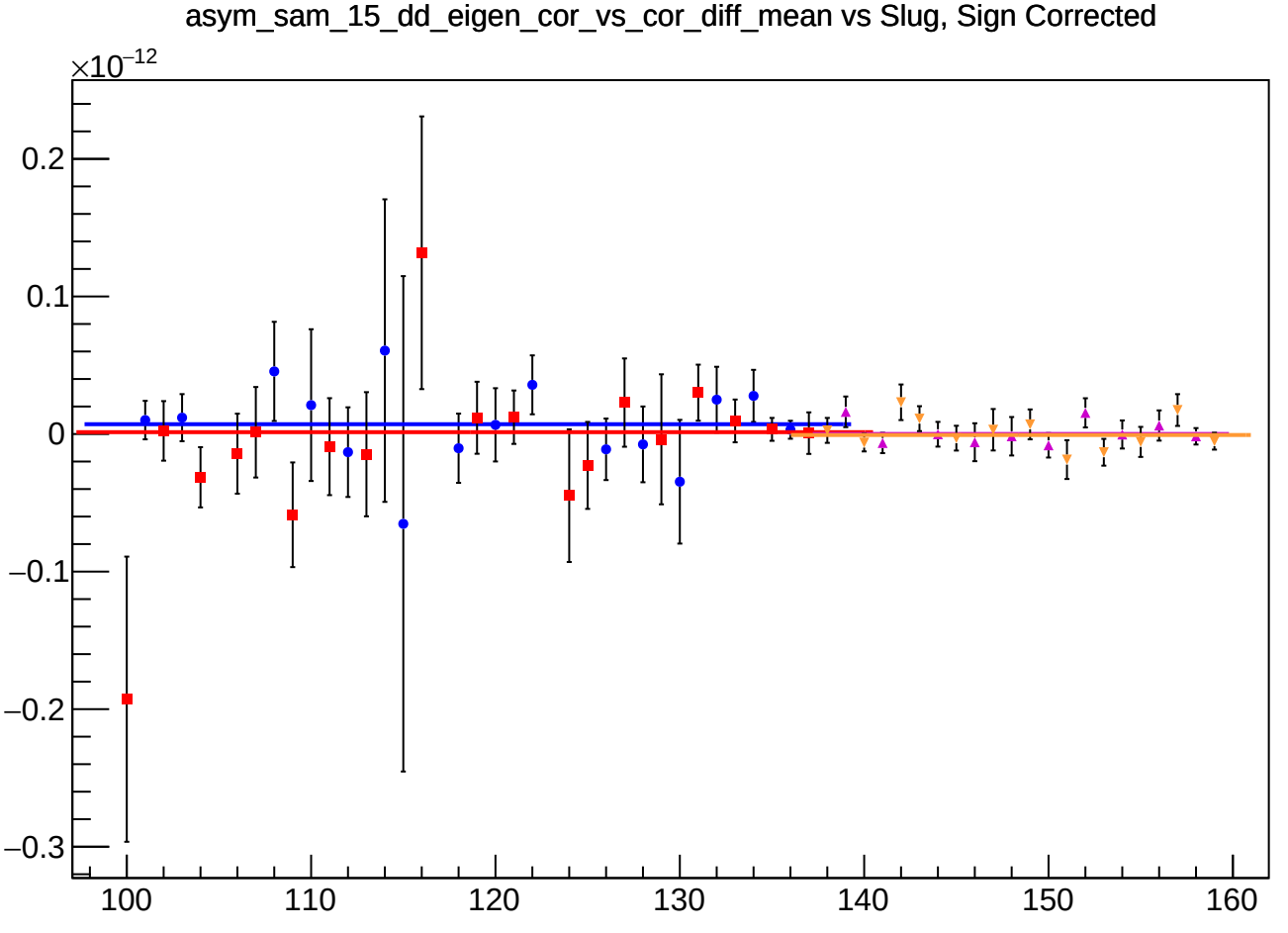
Left: 31.571+/-0.005 χ^2/NDF: 776628.5/21

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.332+/-0.005 χ^2/NDF:1711292.1/25

Out: 29.537+/-0.005 χ^2/NDF:1276127.2/30

All: 29.438+/-0.004 χ^2/NDF: 2988171.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

Left: -0.000+/-0.000 χ^2/NDF: 19.6/21

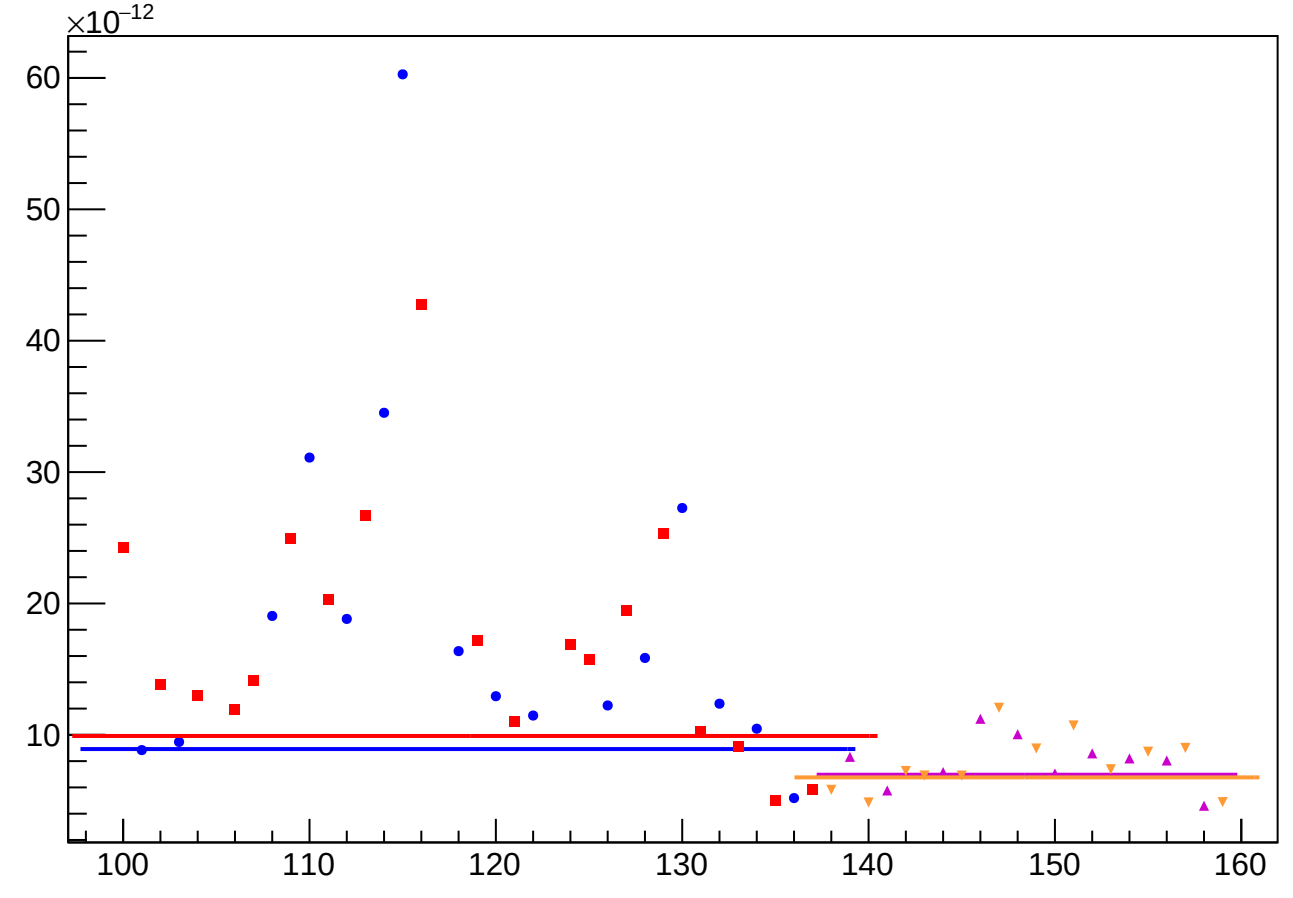
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:16.5/25

Out: -0.000+/-0.000 χ^2/NDF:28.5/30

All: 0.000+/-0.000 χ^2/NDF: 45.4/56

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:1025312.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:781299.8/9

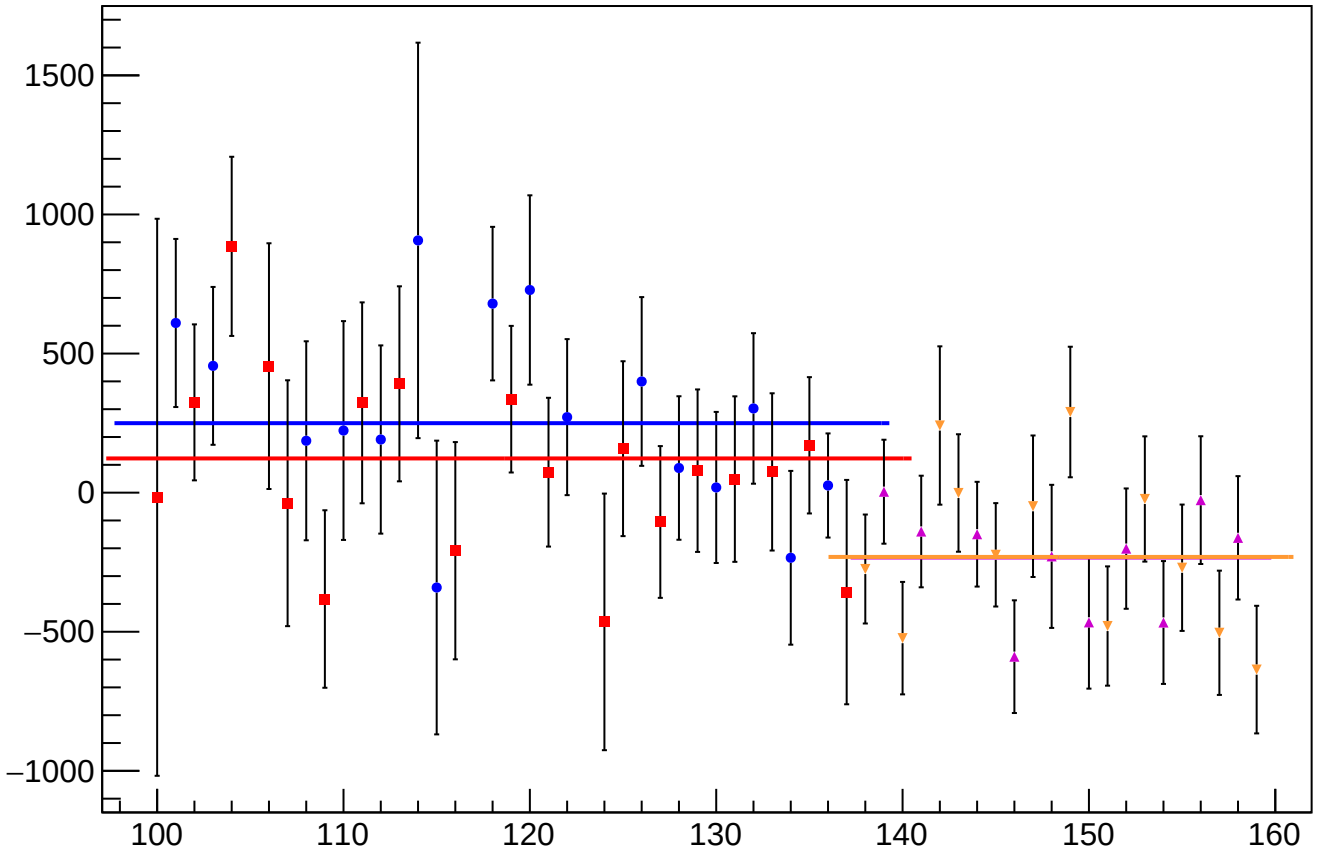
Left: 0.000+/-0.000 χ^2/NDF: 1811783.9/21

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3442668.5/25

Out: 0.000+/-0.000 χ^2/NDF:4321487.4/30

All: 0.000+/-0.000 χ^2/NDF: 7764560.8/56



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -231.057+/-63.521 χ^2/NDF:18.4/11

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -233.248+/-67.419 χ^2/NDF:8.1/9

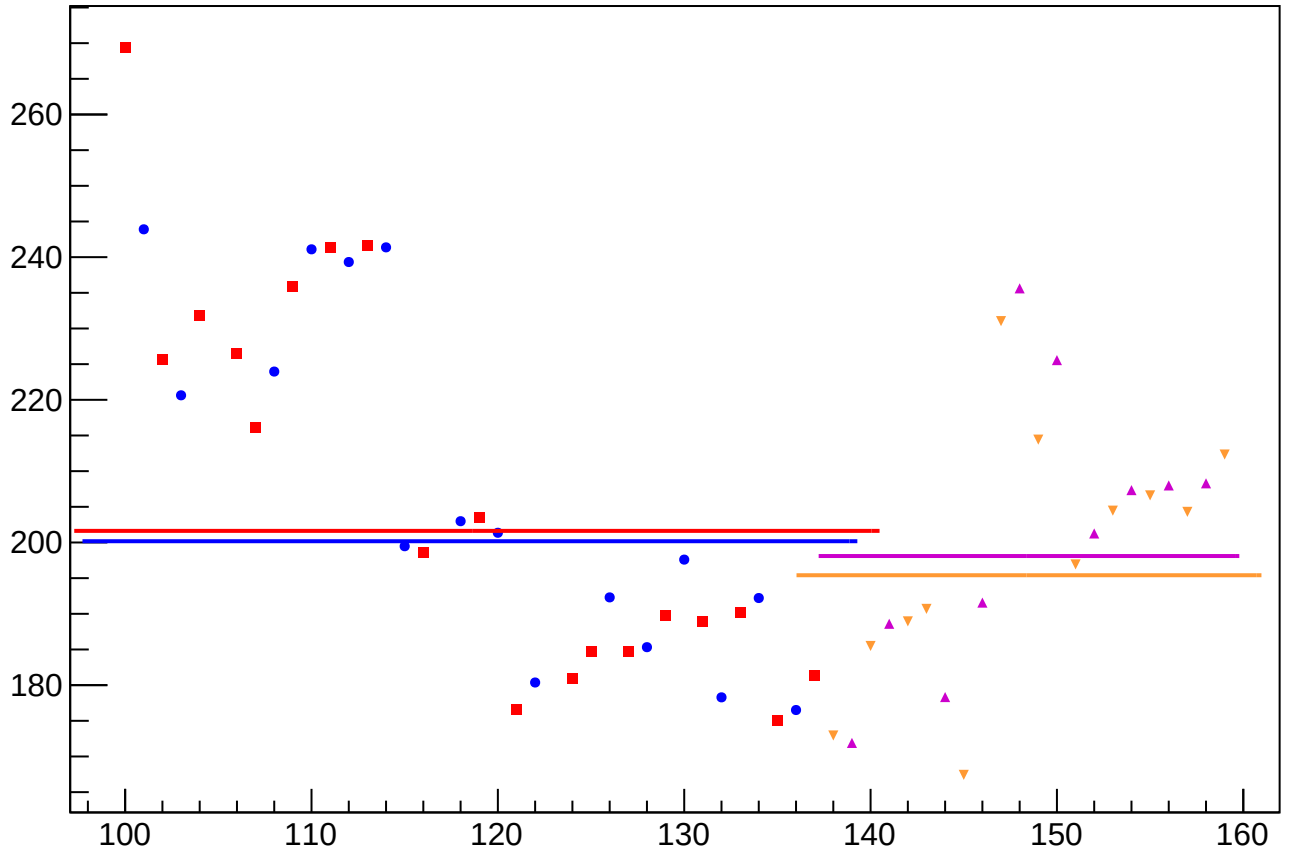
Left: -232.087+/-46.233 χ^2/NDF: 26.5/21

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -16.989+/-50.102 χ^2/NDF:44.9/25

Out: -81.715+/-48.301 χ^2/NDF:47.0/30

All: -50.537+/-34.773 χ^2/NDF: 92.7/56



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 195.408+/-0.045 χ^2/NDF:153130.1/11

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

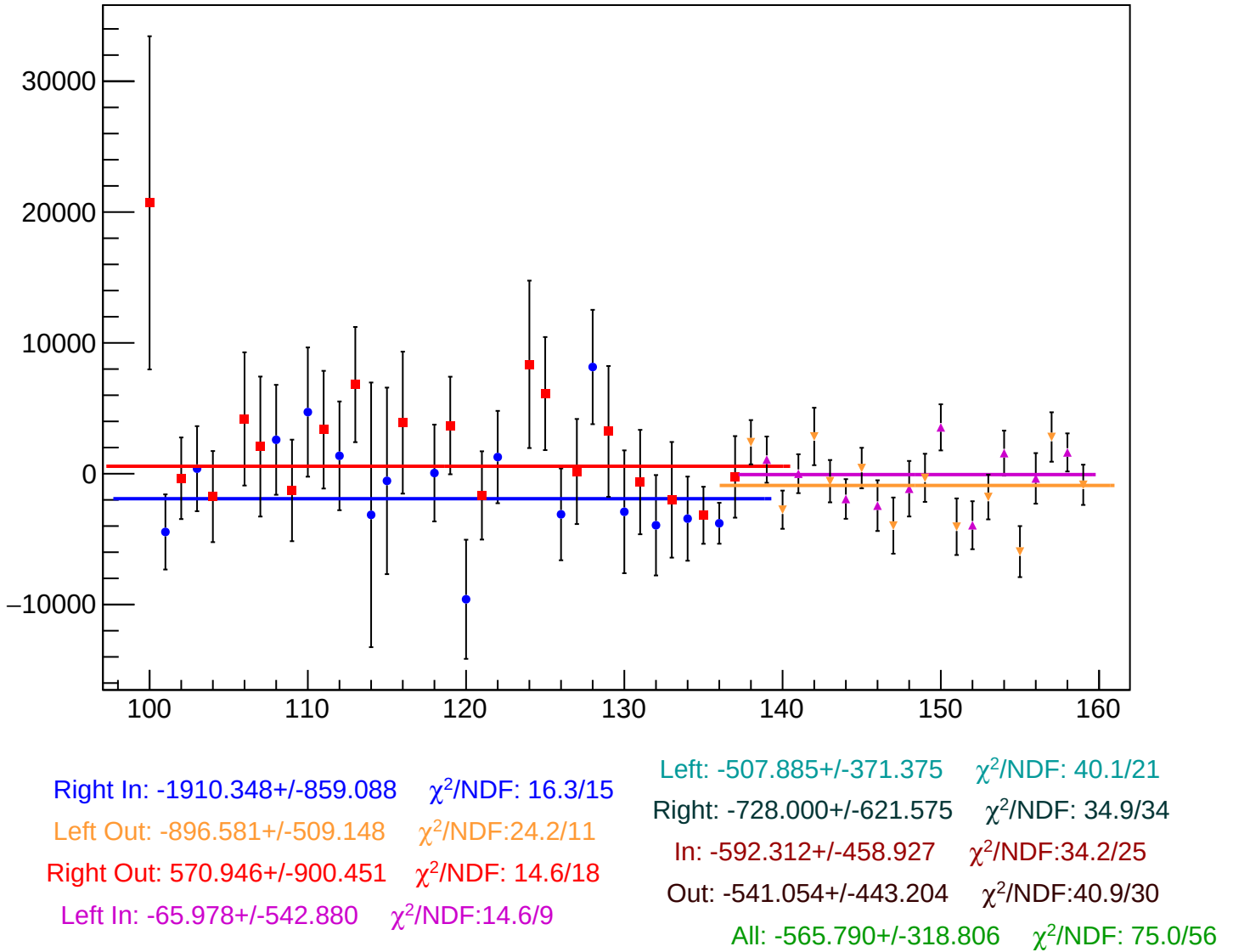
Left: 196.675+/-0.033 χ^2/NDF: 303783.9/21

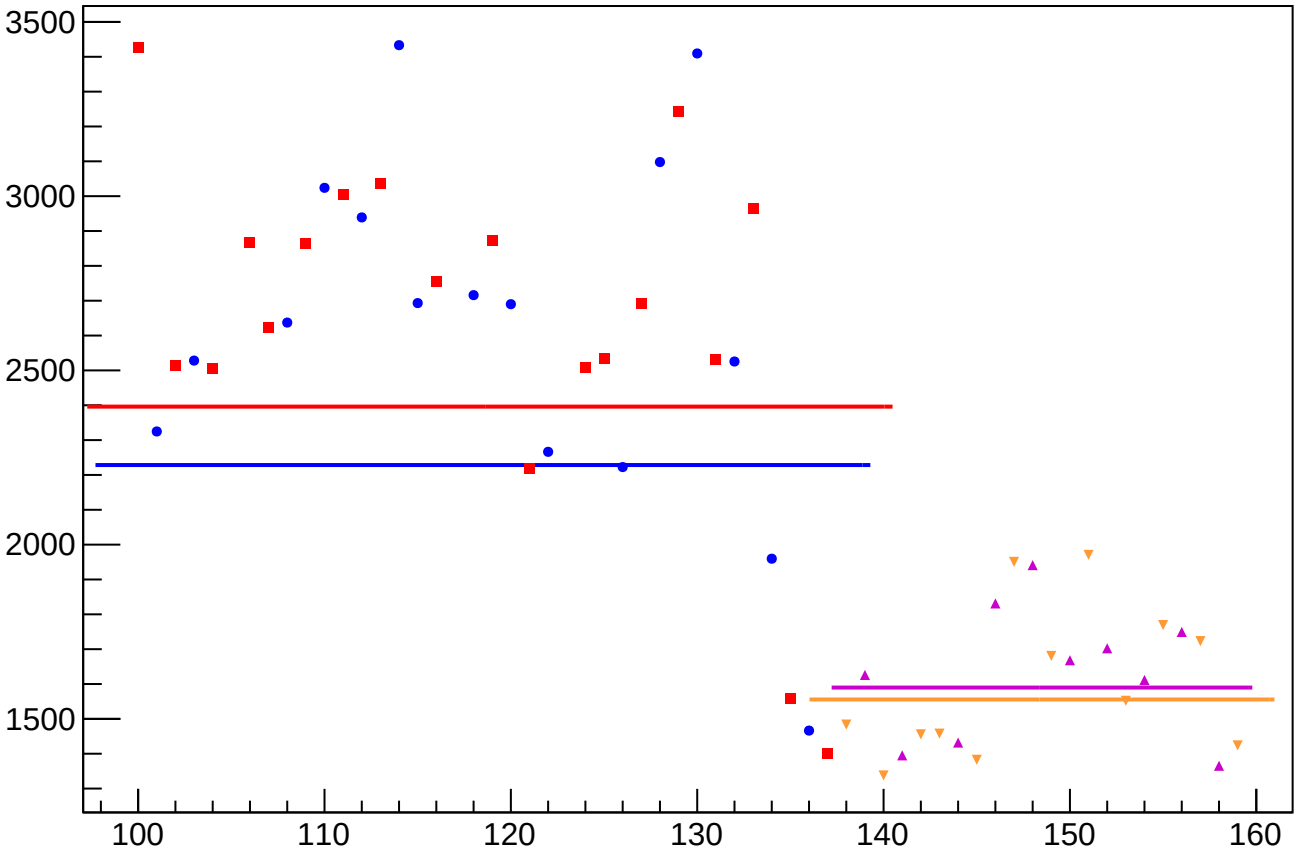
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.031+/-0.035 χ^2/NDF:330813.2/25

Out: 198.032+/-0.034 χ^2/NDF:358461.1/30

All: 198.513+/-0.025 χ^2/NDF: 689686.5/56


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -896.581+/-509.148 χ²/NDF:24.2/11
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: -65.978+/-542.880 χ²/NDF:14.6/9
Left: -507.885+/-371.375 χ²/NDF: 40.1/21
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -592.312+/-458.927 χ²/NDF:34.2/25
Out: -541.054+/-443.204 χ²/NDF:40.9/30
All: -565.790+/-318.806 χ²/NDF: 75.0/56



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1555.618+/-0.360 χ^2/NDF:289471.0/11

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1589.825+/-0.384 χ^2/NDF:215633.1/9

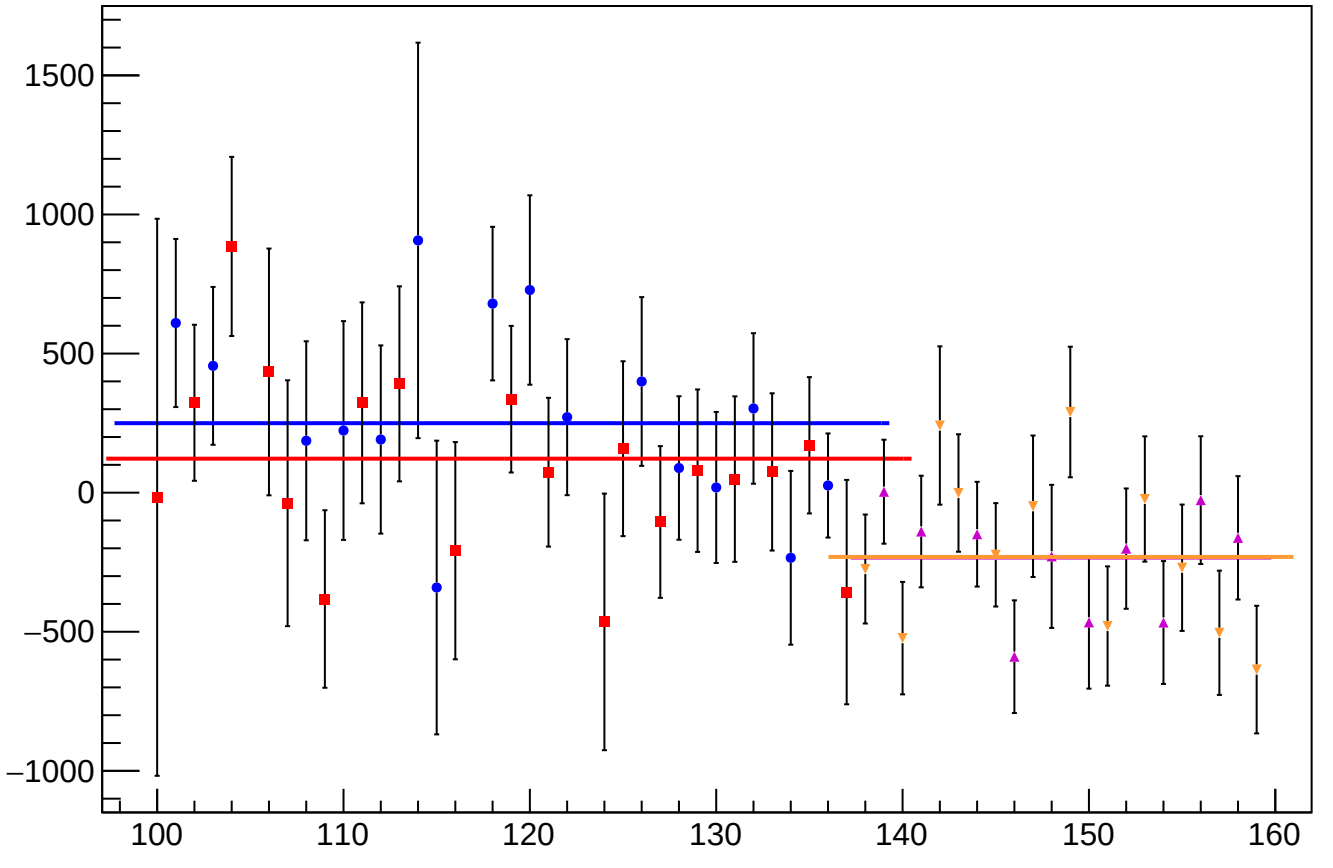
Left: 1571.625+/-0.263 χ^2/NDF: 509328.7/21

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1772.066+/-0.325 χ^2/NDF:1953059.4/25

Out: 1759.230+/-0.313 χ^2/NDF:2409188.8/30

All: 1765.424+/-0.225 χ^2/NDF: 4363057.7/56



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -231.044+/-63.521 χ^2/NDF:18.4/11

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -233.246+/-67.419 χ^2/NDF:8.1/9

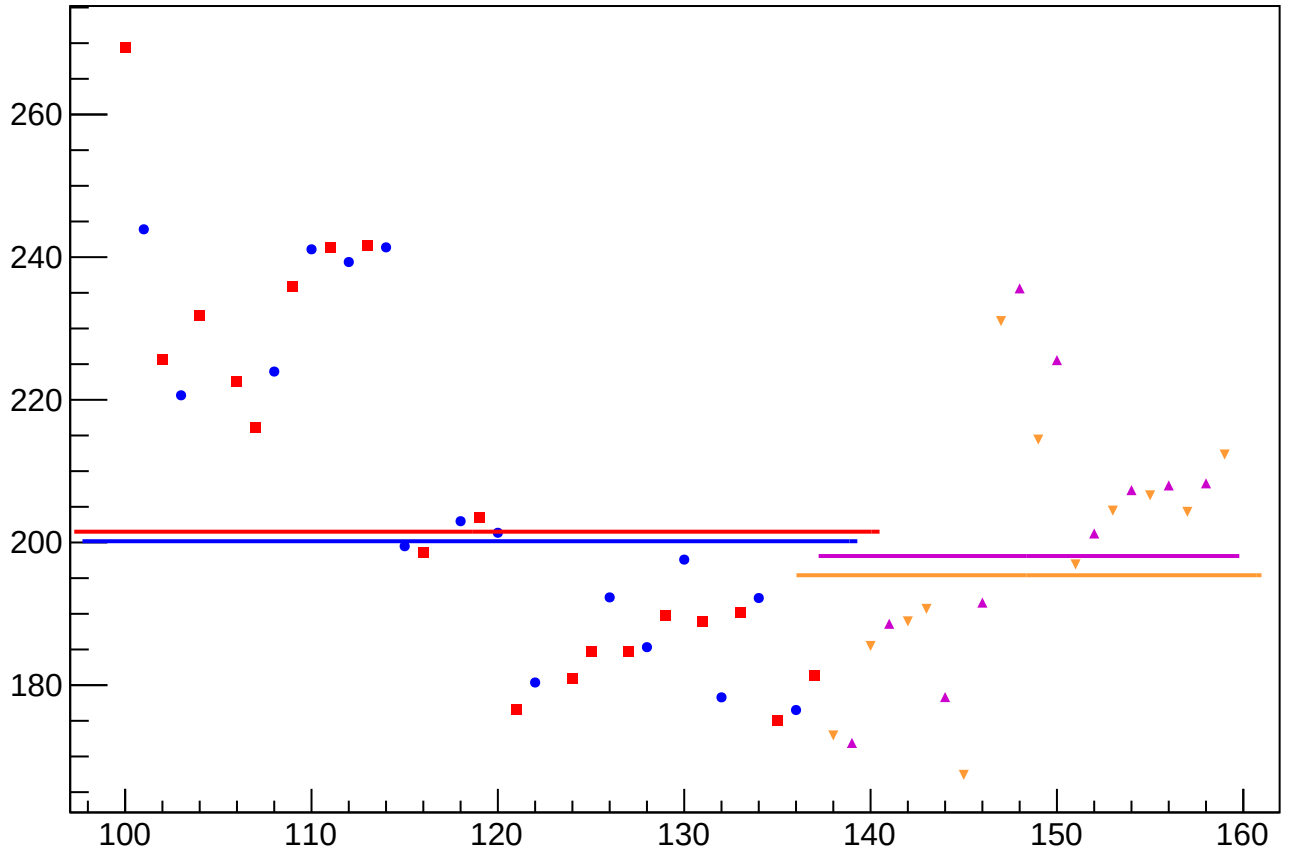
Left: -232.080+/-46.233 χ^2/NDF: 26.5/21

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -16.987+/-50.102 χ^2/NDF:44.9/25

Out: -82.062+/-48.304 χ^2/NDF:46.9/30

All: -50.713+/-34.774 χ^2/NDF: 92.6/56



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 195.408+/-0.045 χ^2/NDF:153130.1/11

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

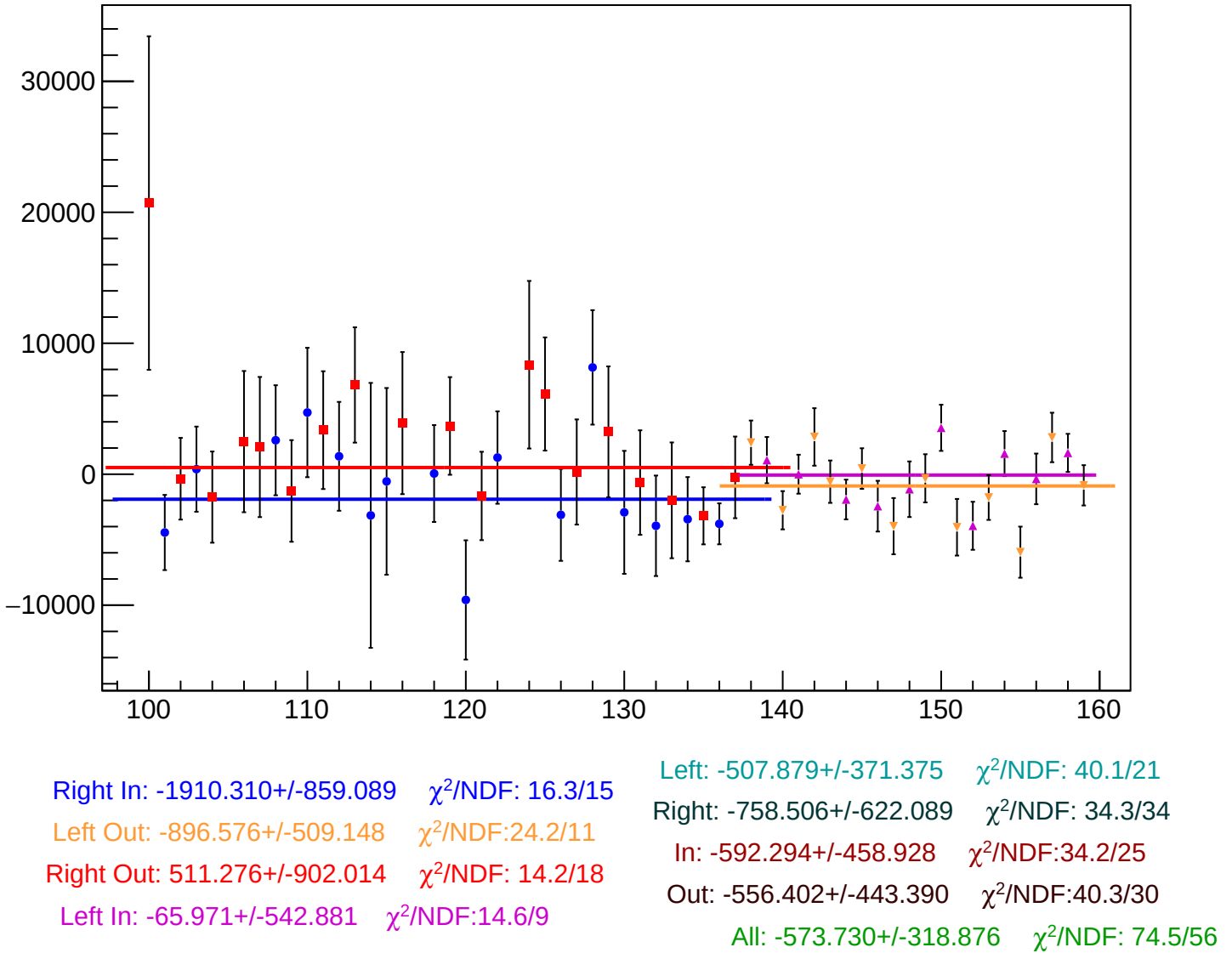
Left: 196.675+/-0.033 χ^2/NDF: 303783.9/21

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.031+/-0.035 χ^2/NDF:330813.5/25

Out: 197.984+/-0.034 χ^2/NDF:356354.7/30

All: 198.488+/-0.025 χ^2/NDF: 687621.0/56


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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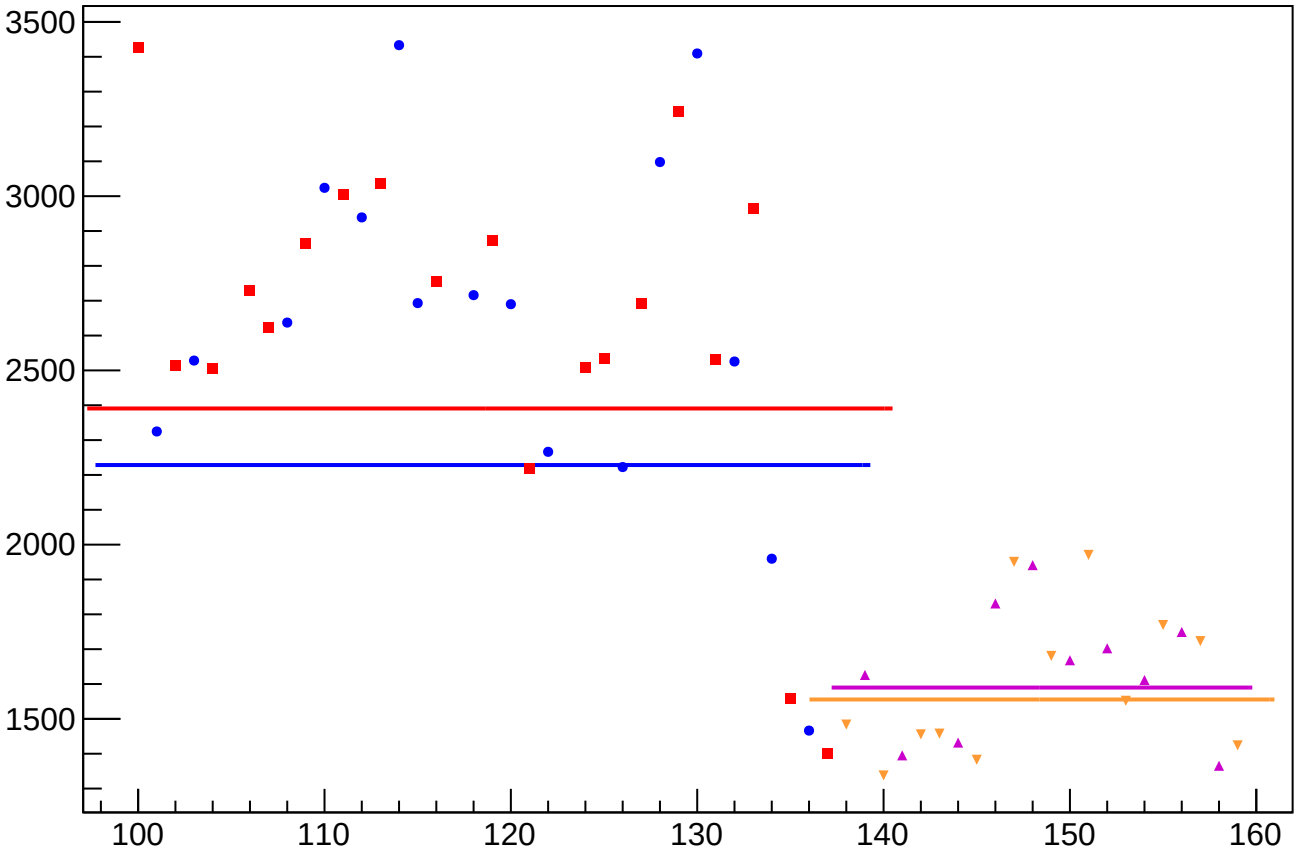
−10000
100
110
120
130
140
150
160
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -896.576+/-509.148 χ²/NDF:24.2/11
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -65.971+/-542.881 χ²/NDF:14.6/9
Left: -507.879+/-371.375 χ²/NDF: 40.1/21
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -592.294+/-458.928 χ²/NDF:34.2/25
Out: -556.402+/-443.390 χ²/NDF:40.3/30
All: -573.730+/-318.876 χ²/NDF: 74.5/56



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1555.618+/-0.360 χ^2/NDF:289471.4/11

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

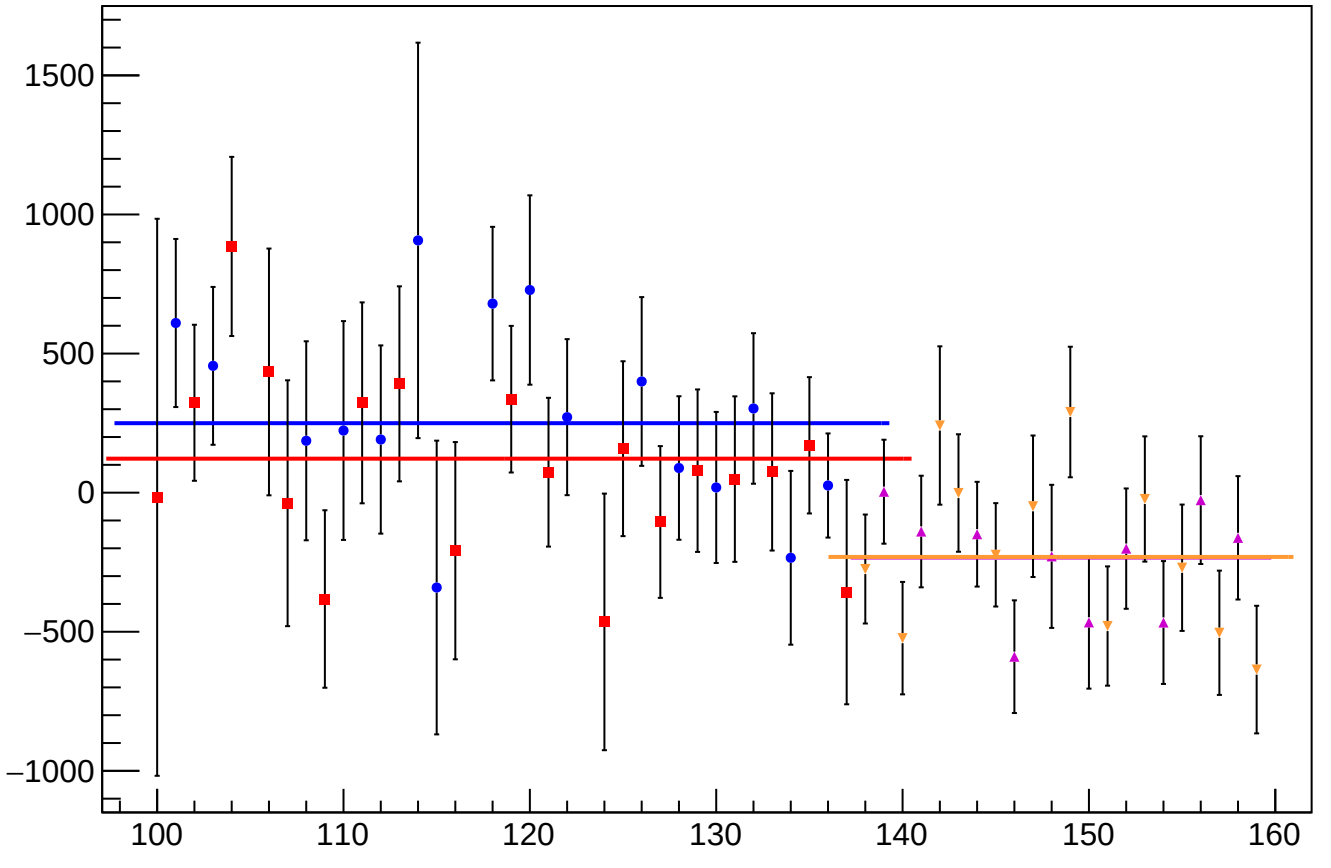
Left: 1571.626+/-0.263 χ^2/NDF: 509329.4/21

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1772.067+/-0.325 χ^2/NDF:1953070.3/25

Out: 1757.403+/-0.314 χ^2/NDF:2379576.3/30

All: 1764.483+/-0.225 χ^2/NDF: 4333702.6/56



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -231.044+/-63.521 χ^2/NDF:18.4/11

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -233.246+/-67.419 χ^2/NDF:8.1/9

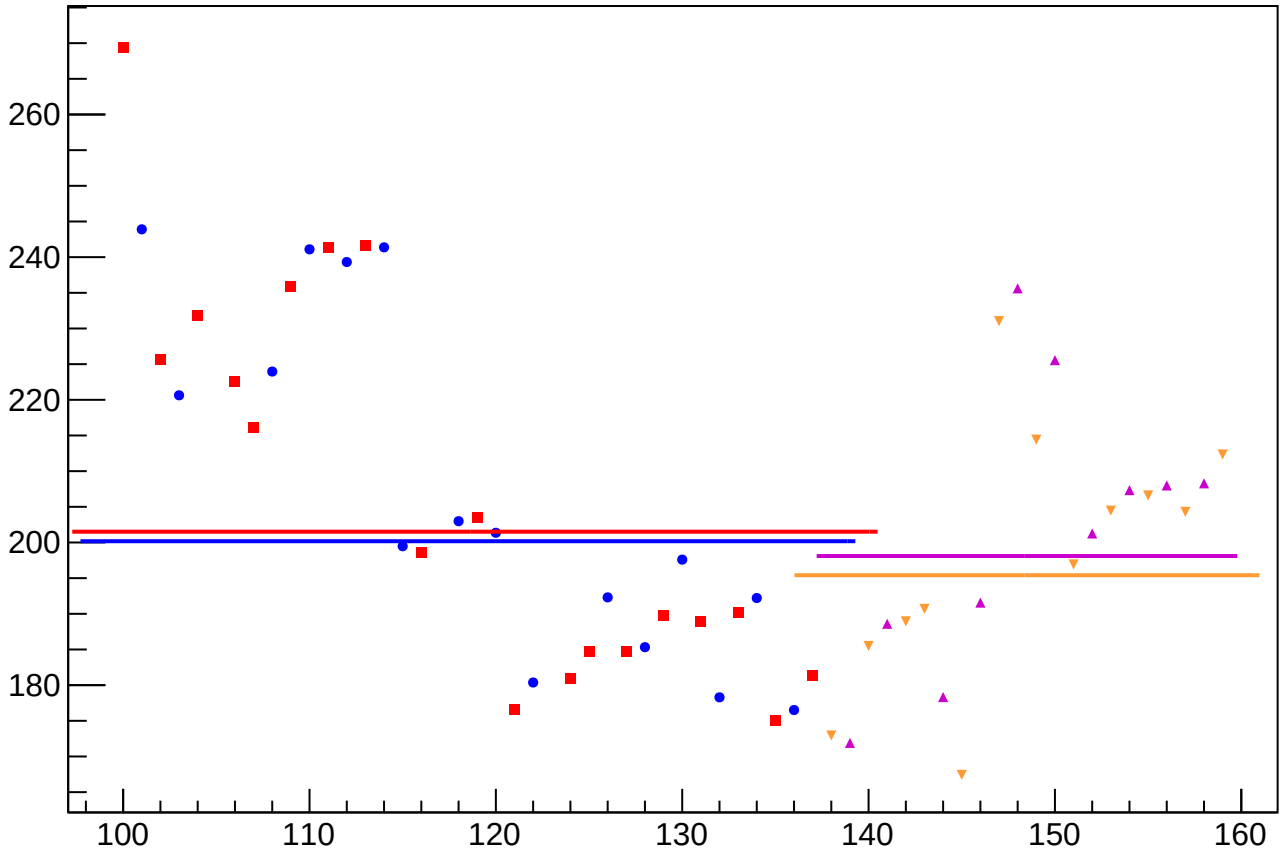
Left: -232.080+/-46.233 χ^2/NDF: 26.5/21

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -16.987+/-50.102 χ^2/NDF:44.9/25

Out: -82.062+/-48.304 χ^2/NDF:46.9/30

All: -50.713+/-34.774 χ^2/NDF: 92.6/56



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 195.408+/-0.045 χ^2/NDF:153130.1/11

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

Left: 196.675+/-0.033 χ^2/NDF: 303783.9/21

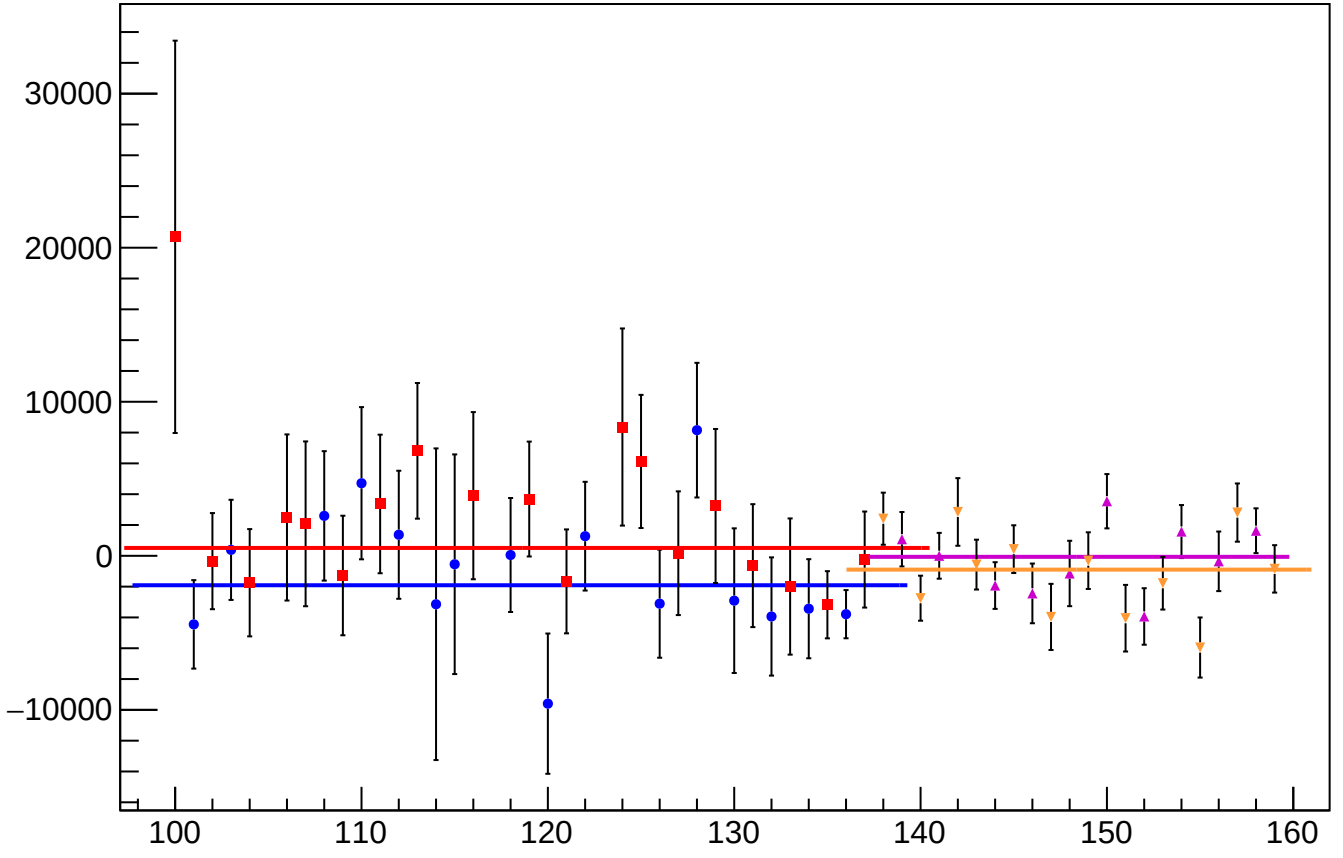
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.031+/-0.035 χ^2/NDF:330813.5/25

Out: 197.984+/-0.034 χ^2/NDF:356354.7/30

All: 198.488+/-0.025 χ^2/NDF: 687621.0/56

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: -896.576+/-509.148 χ^2/NDF:24.2/11

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -65.971+/-542.881 χ^2/NDF:14.6/9

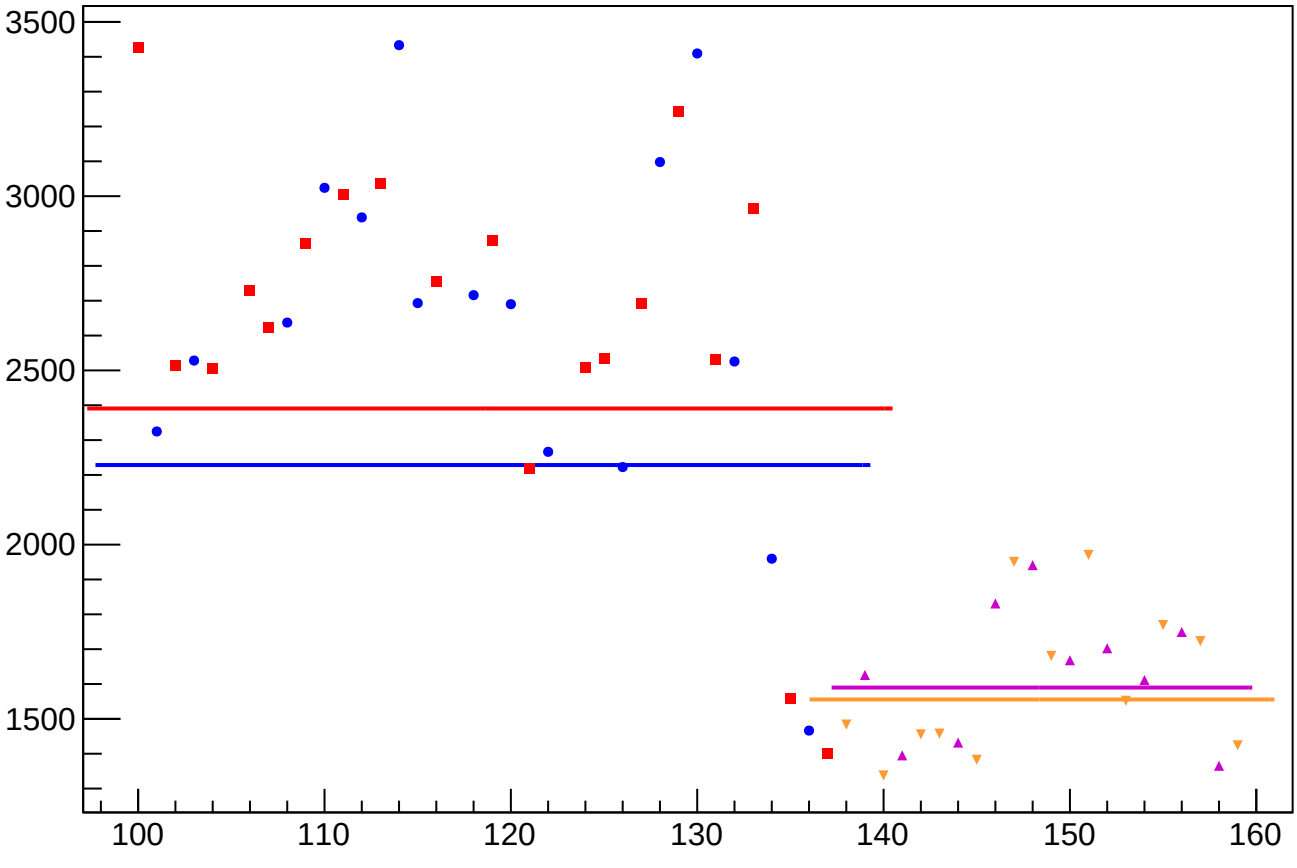
Left: -507.879+/-371.375 χ^2/NDF: 40.1/21

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -592.294+/-458.928 χ^2/NDF:34.2/25

Out: -556.402+/-443.390 χ^2/NDF:40.3/30

All: -573.730+/-318.876 χ^2/NDF: 74.5/56



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1555.618+/-0.360 χ^2/NDF:289471.4/11

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

Left: 1571.626+/-0.263 χ^2/NDF: 509329.4/21

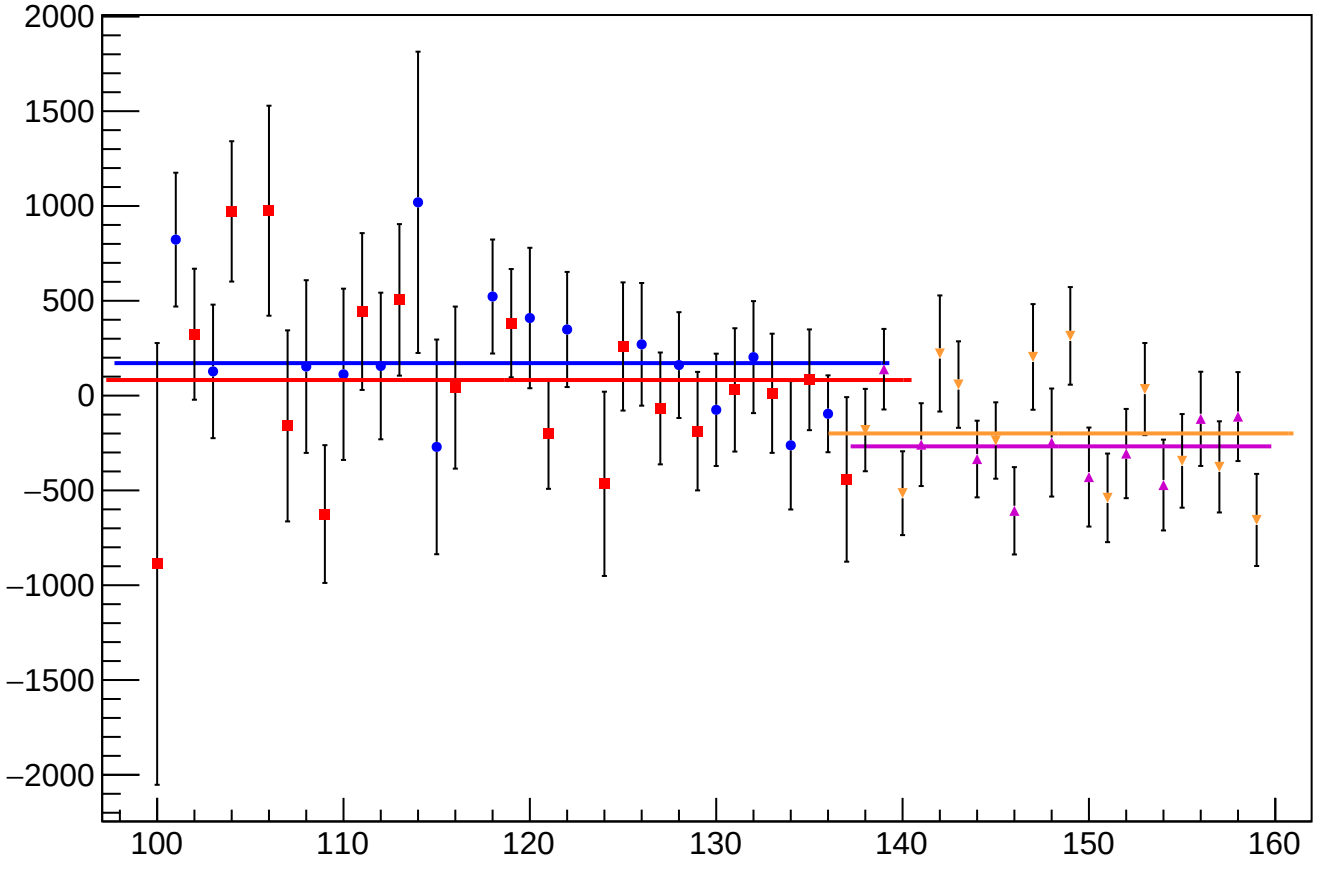
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1772.067+/-0.325 χ^2/NDF:1953070.3/25

Out: 1757.403+/-0.314 χ^2/NDF:2379576.3/30

All: 1764.483+/-0.225 χ^2/NDF: 4333702.6/56

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -199.533+/-68.995 χ^2/NDF:18.8/11

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -267.681+/-73.868 χ^2/NDF:7.9/9

Left: -231.285+/-50.422 χ^2/NDF: 27.1/21

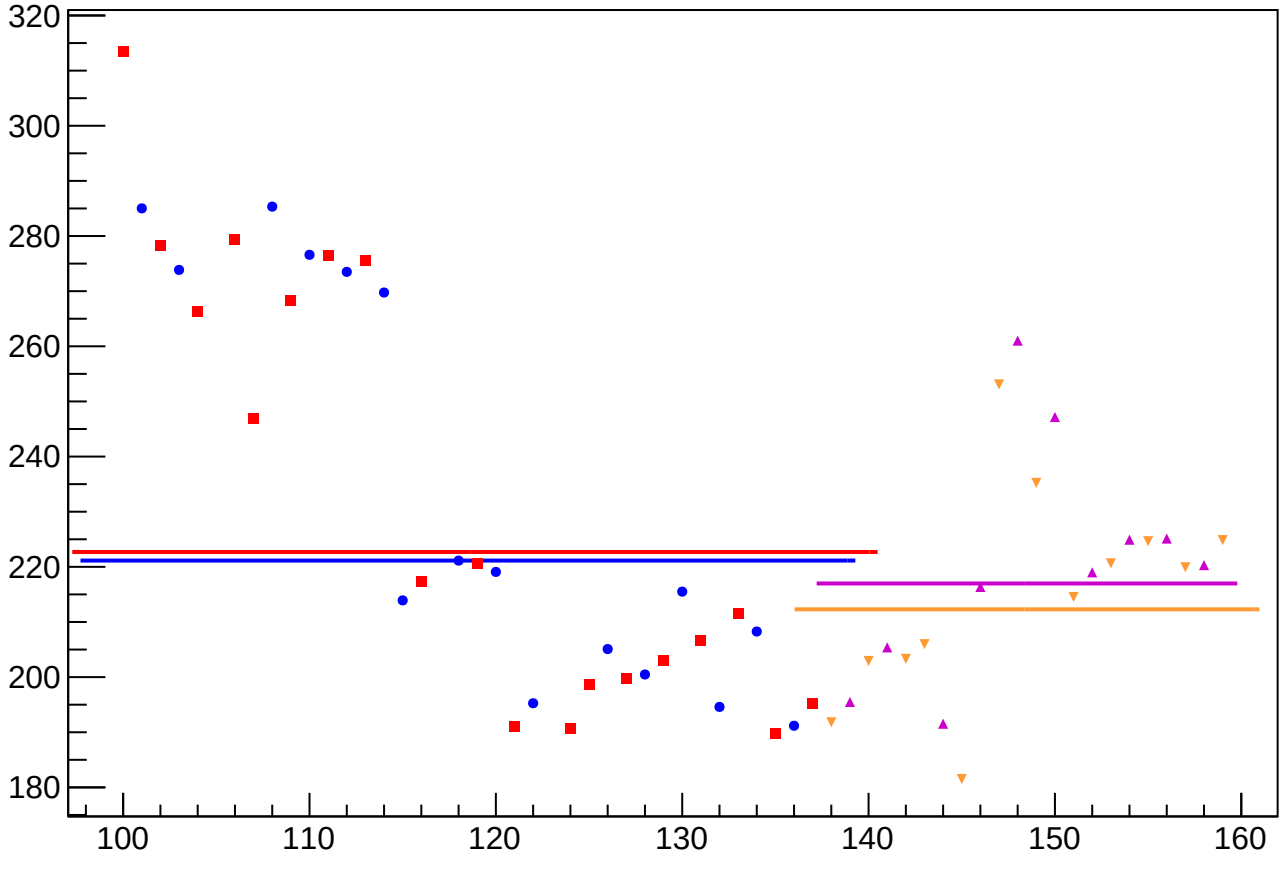
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -73.978+/-55.214 χ^2/NDF:35.0/25

Out: -83.677+/-52.938 χ^2/NDF:47.3/30

All: -79.032+/-38.212 χ^2/NDF: 82.2/56

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 212.294+/-0.049 χ^2/NDF:144930.3/11

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.982+/-0.052 χ^2/NDF:137207.0/9

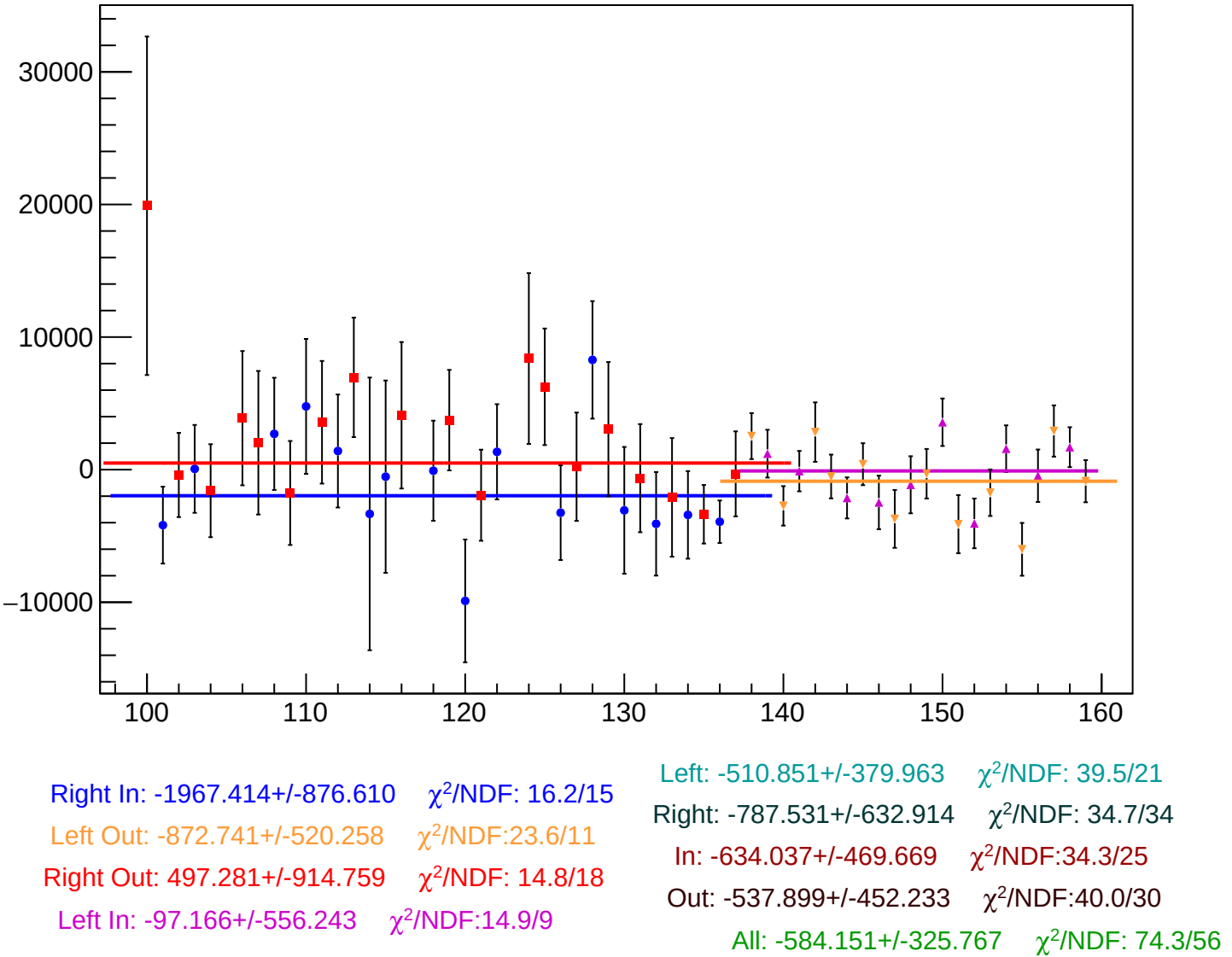
Left: 214.478+/-0.036 χ^2/NDF: 286440.7/21

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.817+/-0.039 χ^2/NDF:458703.9/25

Out: 216.573+/-0.037 χ^2/NDF:490666.2/30

All: 217.647+/-0.027 χ^2/NDF: 951091.5/56


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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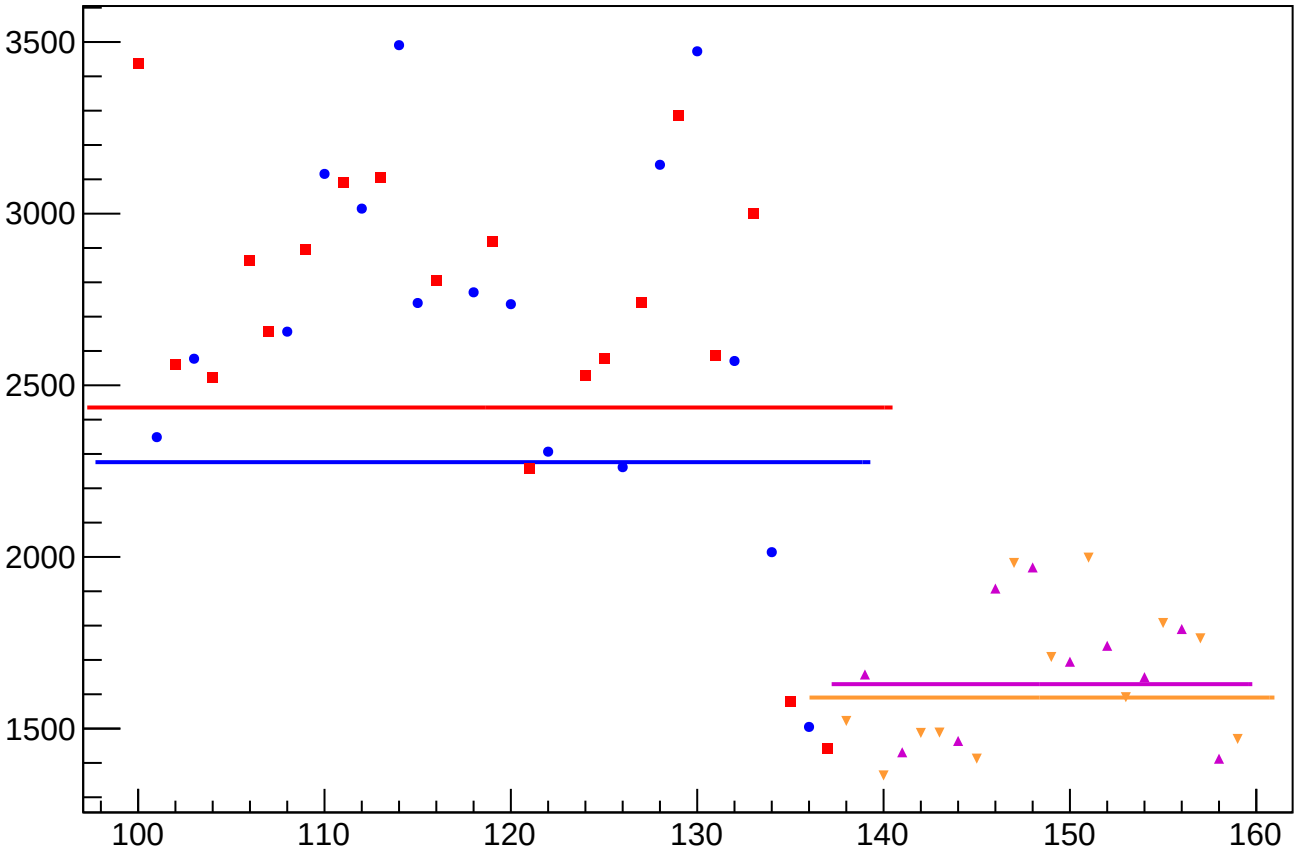
0
−10000
100
110
120
130
140
150
160
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -872.741+/-520.258 χ²/NDF:23.6/11
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -97.166+/-556.243 χ²/NDF:14.9/9
Left: -510.851+/-379.963 χ²/NDF: 39.5/21
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -634.037+/-469.669 χ²/NDF:34.3/25
Out: -537.899+/-452.233 χ²/NDF:40.0/30
All: -584.151+/-325.767 χ²/NDF: 74.3/56



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1590.457+/-0.368 χ^2/NDF:279648.4/11

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1629.450+/-0.393 χ^2/NDF:209974.1/9

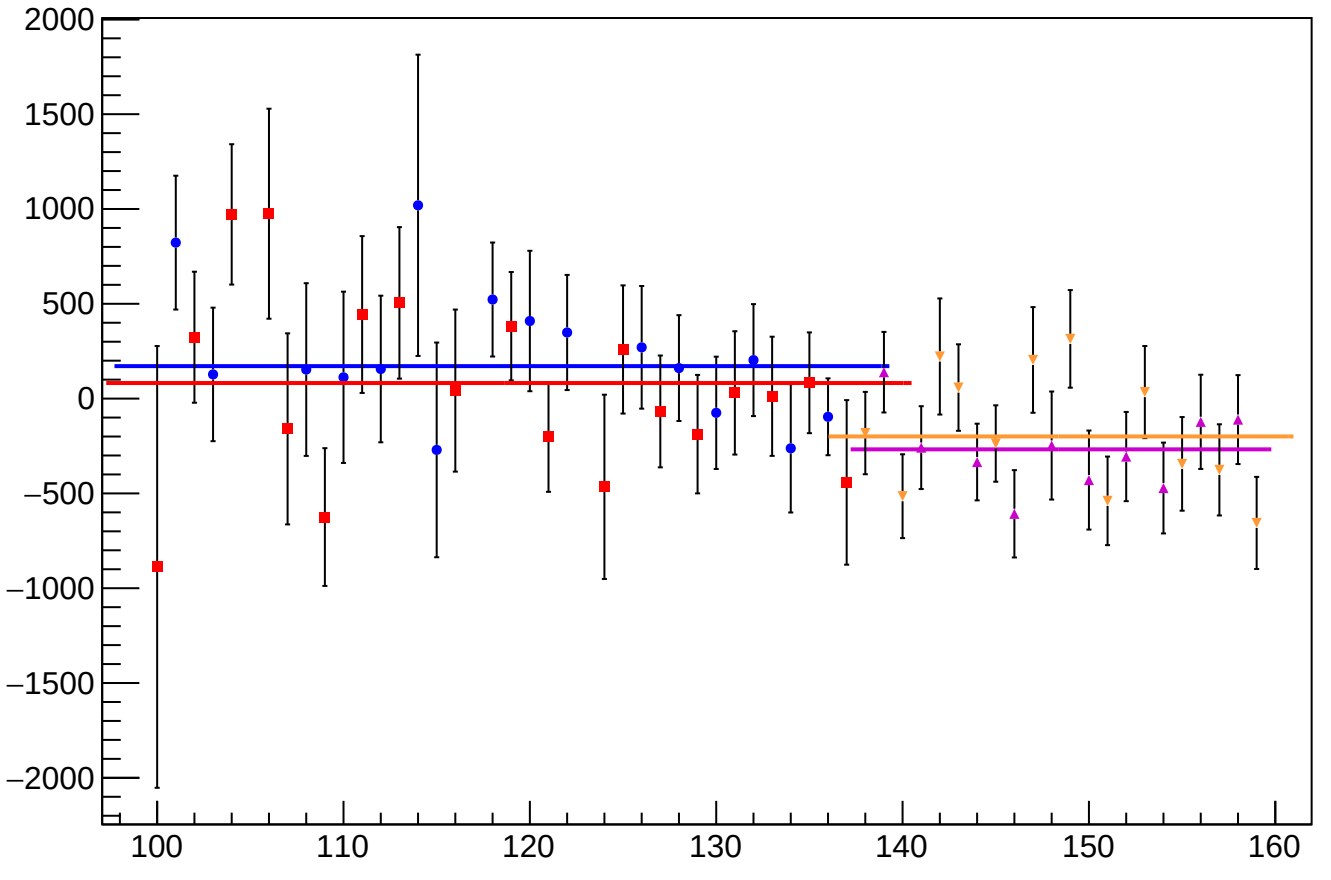
Left: 1608.652+/-0.269 χ^2/NDF: 494864.8/21

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1815.087+/-0.332 χ^2/NDF:1912945.7/25

Out: 1796.955+/-0.320 χ^2/NDF:2360342.1/30

All: 1805.678+/-0.230 χ^2/NDF: 4274834.5/56



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -199.533+/-68.995 χ^2/NDF:18.8/11

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -267.682+/-73.868 χ^2/NDF:7.9/9

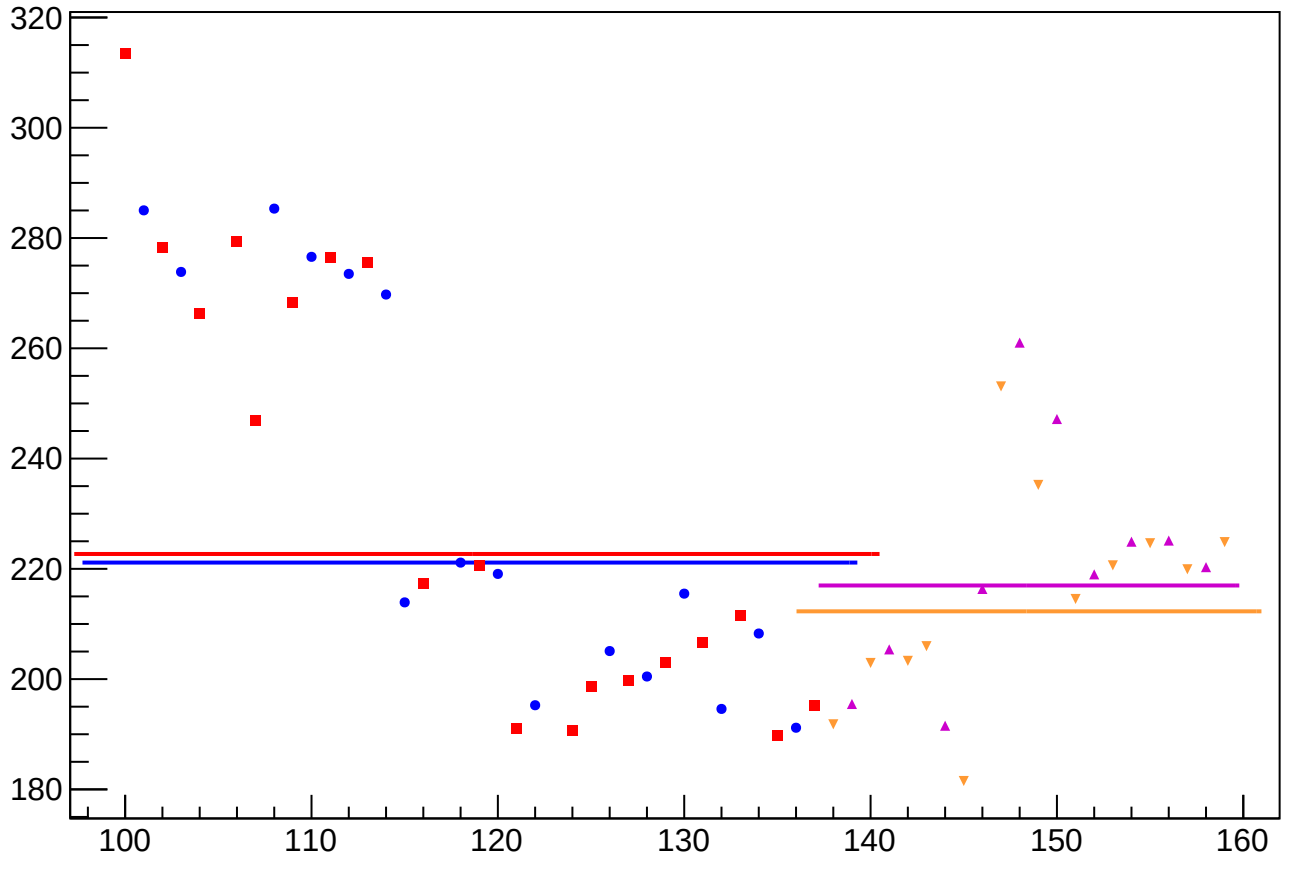
Left: -231.286+/-50.422 χ^2/NDF: 27.1/21

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -73.977+/-55.214 χ^2/NDF:35.0/25

Out: -83.678+/-52.938 χ^2/NDF:47.3/30

All: -79.031+/-38.212 χ^2/NDF: 82.2/56


eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected
320
300
280
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240
220
200
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120
130
140
150
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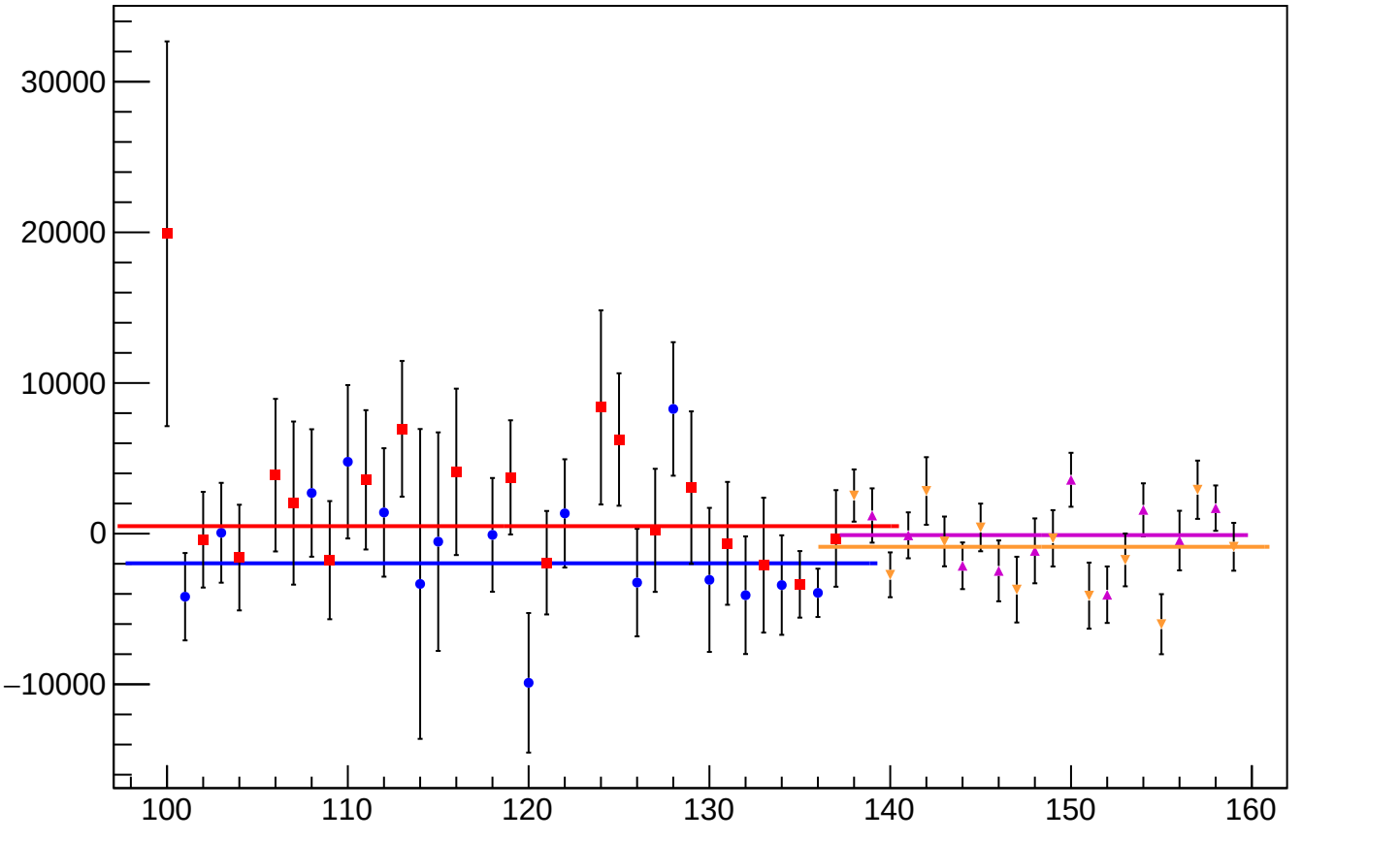
Right In: 221.138+/-0.059 χ²/NDF: 318696.9/15
Left Out: 212.293+/-0.049 χ²/NDF:144934.1/11
Right Out: 222.696+/-0.058 χ²/NDF: 327025.2/18
Left In: 216.982+/-0.052 χ²/NDF:137209.0/9
Left: 214.478+/-0.036 χ²/NDF: 286446.4/21
Right: 221.923+/-0.041 χ²/NDF: 646076.2/34
In: 218.816+/-0.039 χ²/NDF:458699.5/25
Out: 216.572+/-0.037 χ²/NDF:490660.2/30
All: 217.647+/-0.027 χ²/NDF: 951080.7/56



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -872.740+/-520.257 χ^2/NDF:23.6/11

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -97.165+/-556.243 χ^2/NDF:14.9/9

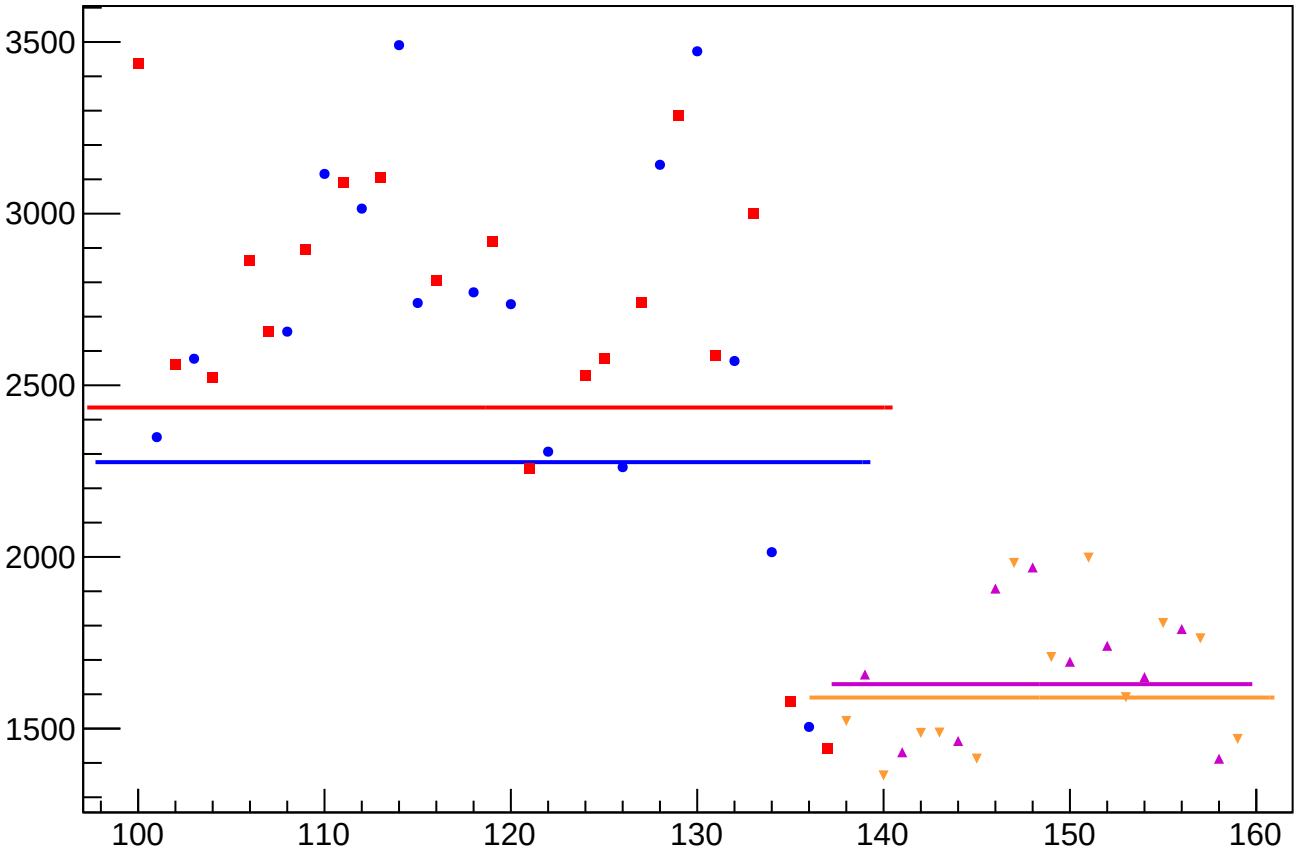
Left: -510.850+/-379.963 χ^2/NDF: 39.5/21

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -634.036+/-469.669 χ^2/NDF:34.3/25

Out: -537.897+/-452.233 χ^2/NDF:40.0/30

All: -584.149+/-325.767 χ^2/NDF: 74.3/56



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1590.456+/-0.368 χ^2/NDF:279651.9/11

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1629.450+/-0.393 χ^2/NDF:209975.6/9

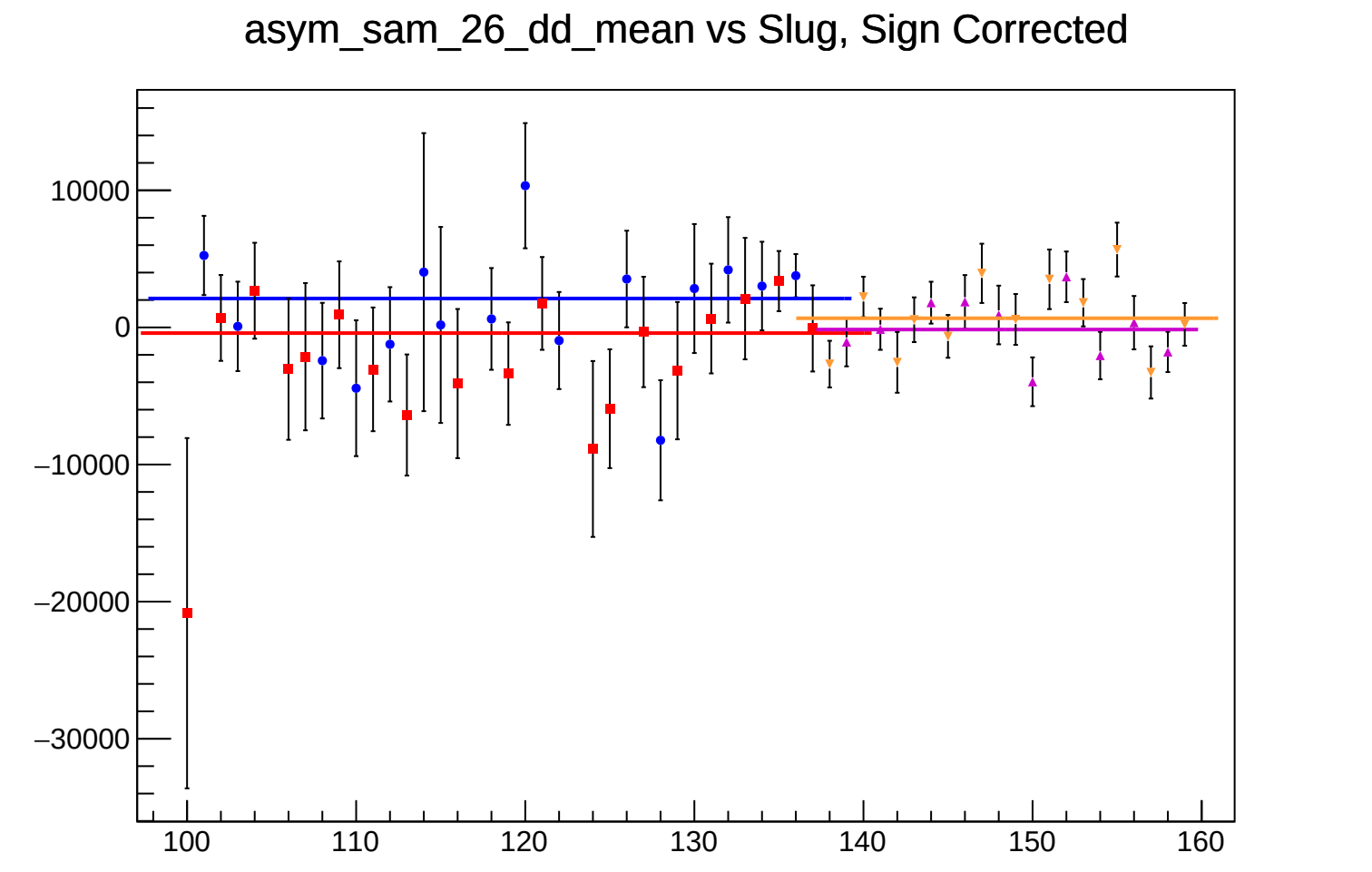
Left: 1608.651+/-0.269 χ^2/NDF: 494869.8/21

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1815.086+/-0.332 χ^2/NDF:1912933.7/25

Out: 1796.954+/-0.320 χ^2/NDF:2360333.9/30

All: 1805.677+/-0.230 χ^2/NDF: 4274814.3/56



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 669.011+/-513.346 χ^2/NDF:23.1/11

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -154.719+/-547.339 χ^2/NDF:14.6/9

Left: 283.518+/-374.431 χ^2/NDF: 39.0/21

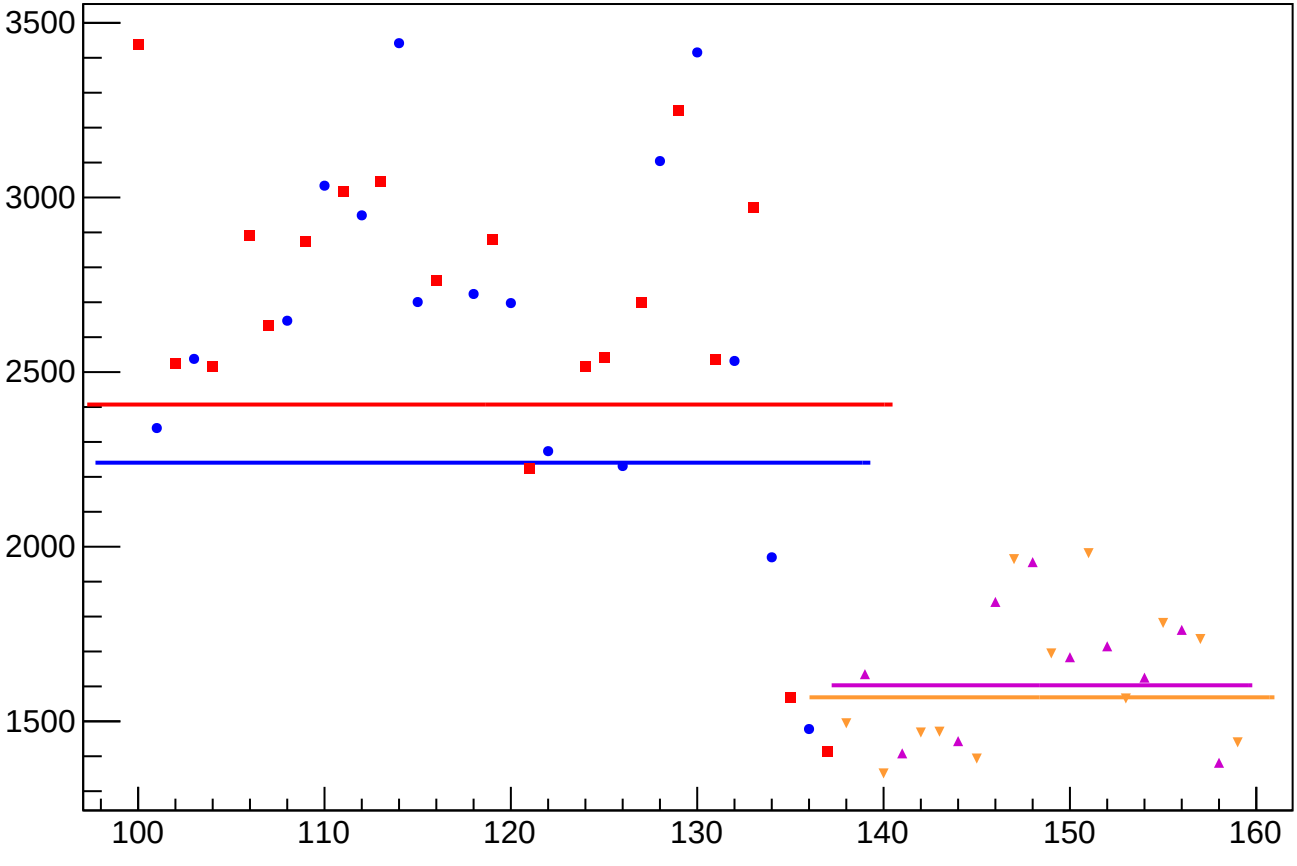
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 494.489+/-462.260 χ^2/NDF:36.2/25

Out: 405.093+/-446.443 χ^2/NDF:38.9/30

All: 448.235+/-321.129 χ^2/NDF: 75.1/56

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1568.776+/-0.363 χ^2/NDF:284980.0/11

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1603.185+/-0.387 χ^2/NDF:211111.9/9

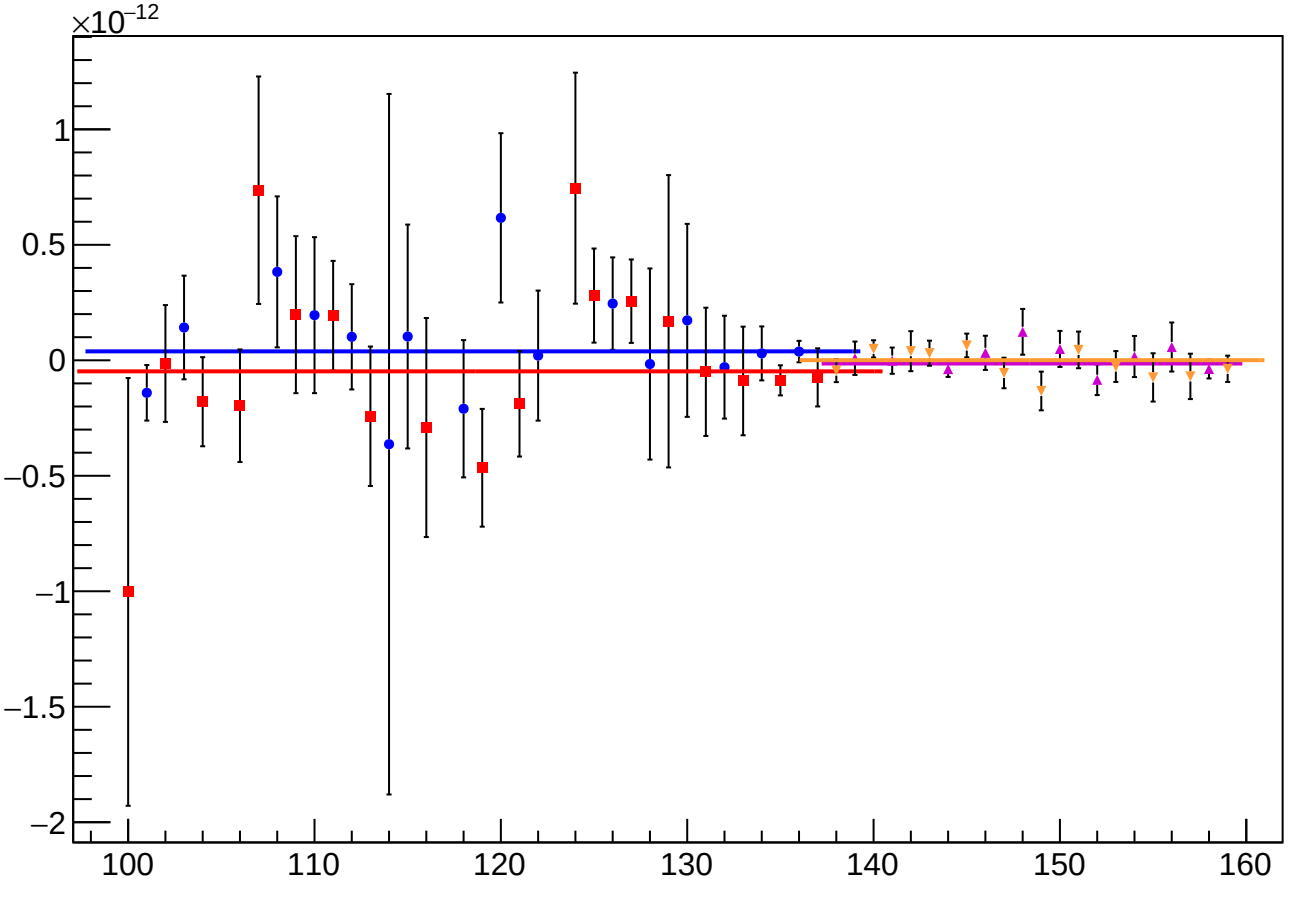
Left: 1584.879+/-0.265 χ^2/NDF: 500297.3/21

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1785.953+/-0.327 χ^2/NDF:1922479.6/25

Out: 1773.054+/-0.316 χ^2/NDF:2373698.9/30

All: 1779.279+/-0.227 χ^2/NDF: 4296984.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

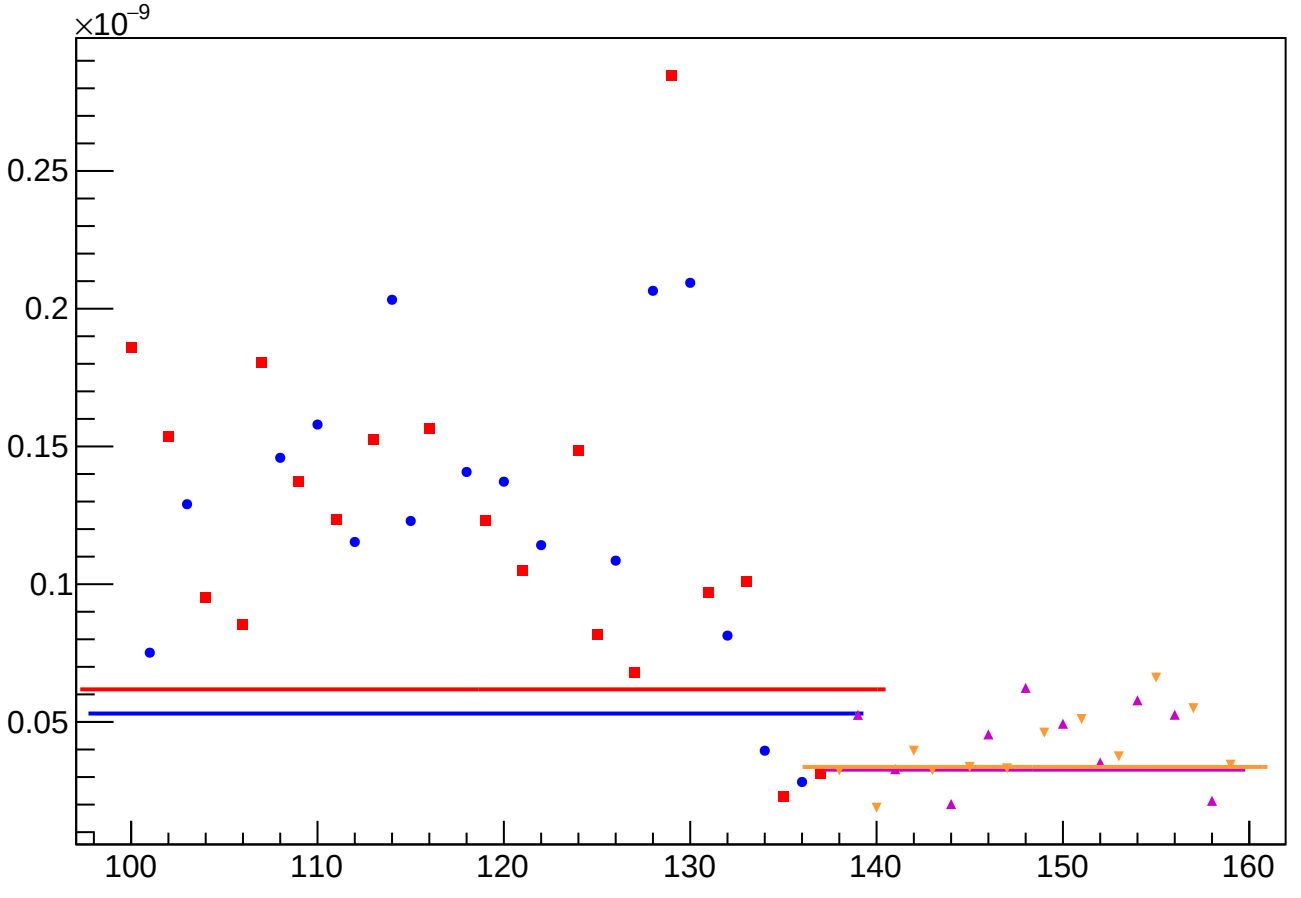
Left: -0.000+/-0.000 χ^2/NDF: 15.7/21

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:15.7/25

Out: -0.000+/-0.000 χ^2/NDF:29.0/30

All: -0.000+/-0.000 χ^2/NDF: 44.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:756801.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1136397.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1896162.7/21

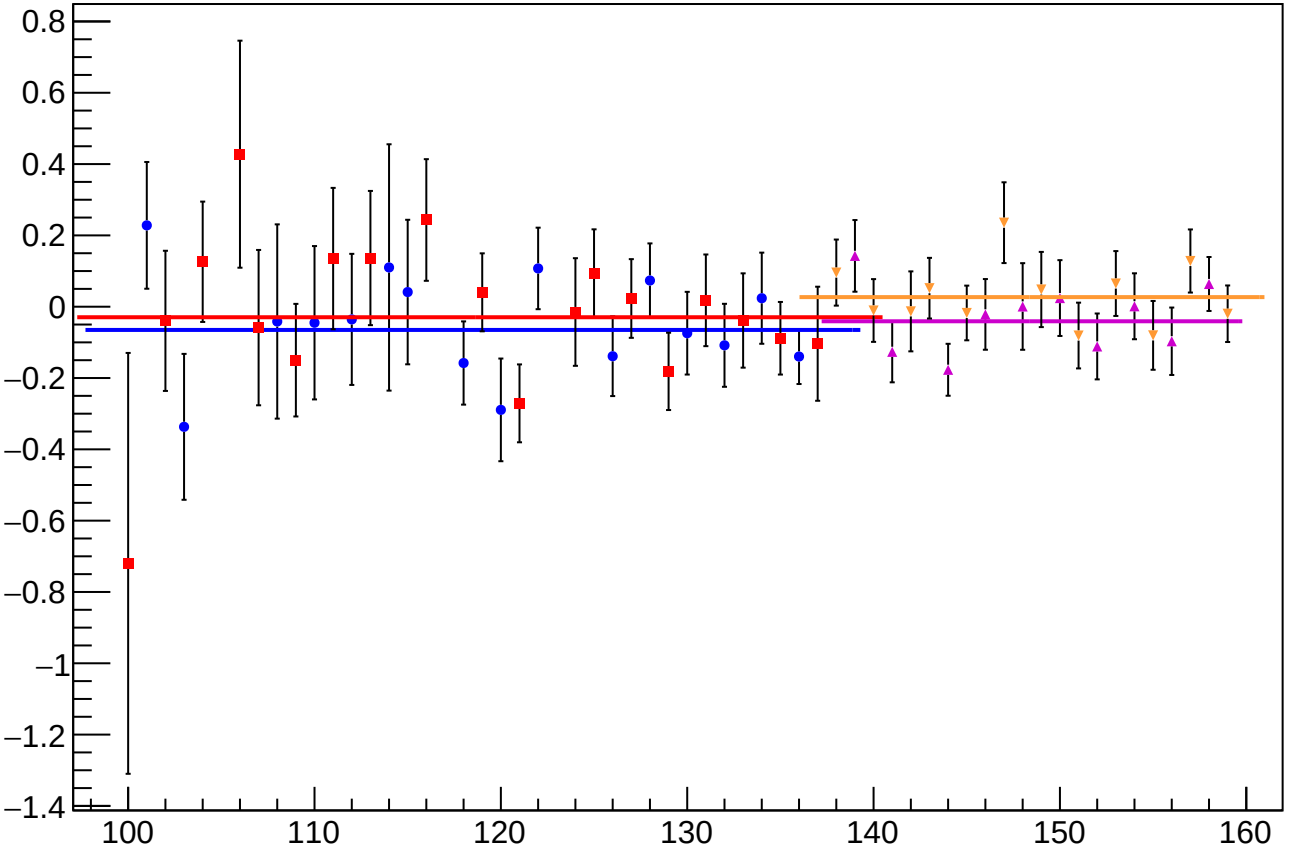
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4209537.0/25

Out: 0.000+/-0.000 χ^2/NDF:3897198.0/30

All: 0.000+/-0.000 χ^2/NDF: 8108576.1/56

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: 0.027+/-0.026 χ^2/NDF:9.2/11

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

Left: -0.004+/-0.019 χ^2/NDF: 23.6/21

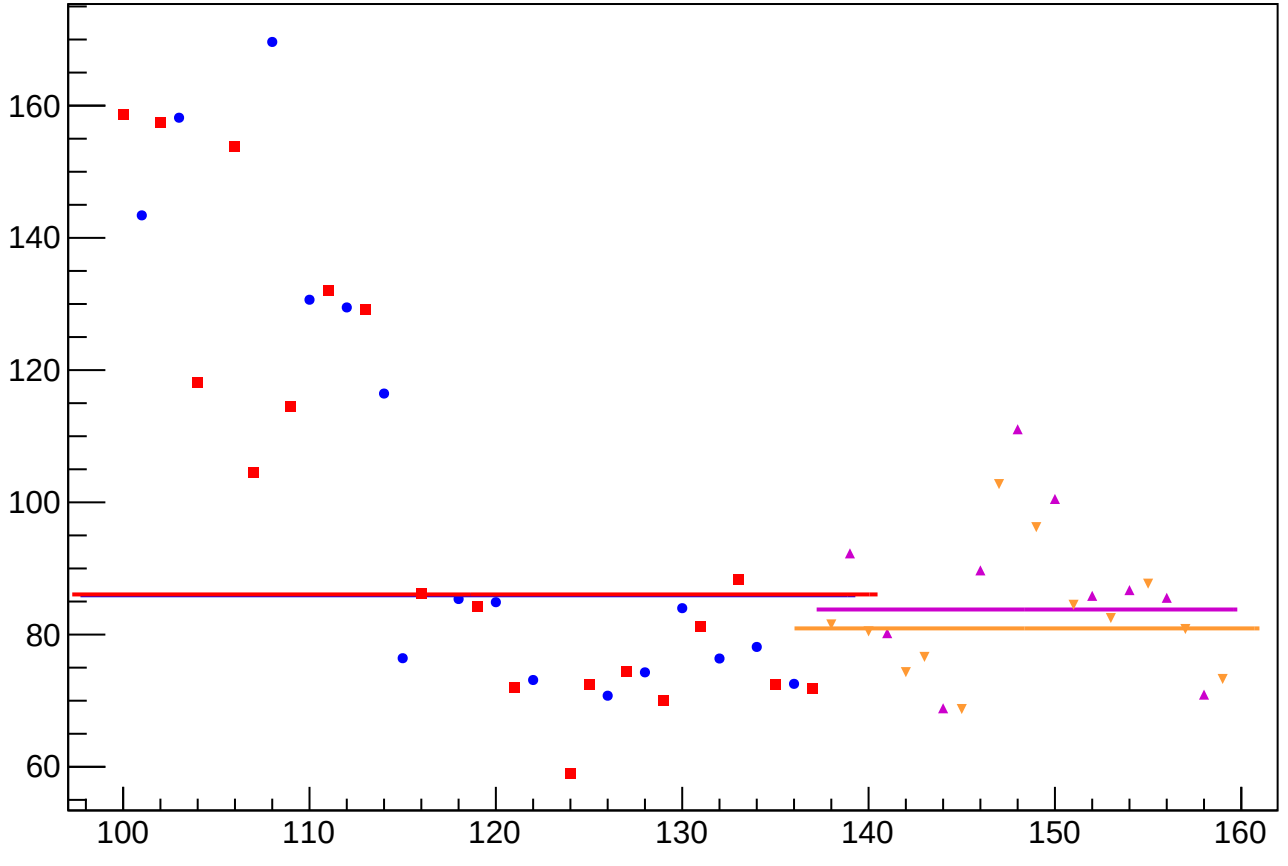
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.022+/-0.015 χ^2/NDF: 58.4/56

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.935+/-0.019 χ^2/NDF:211305.8/11

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

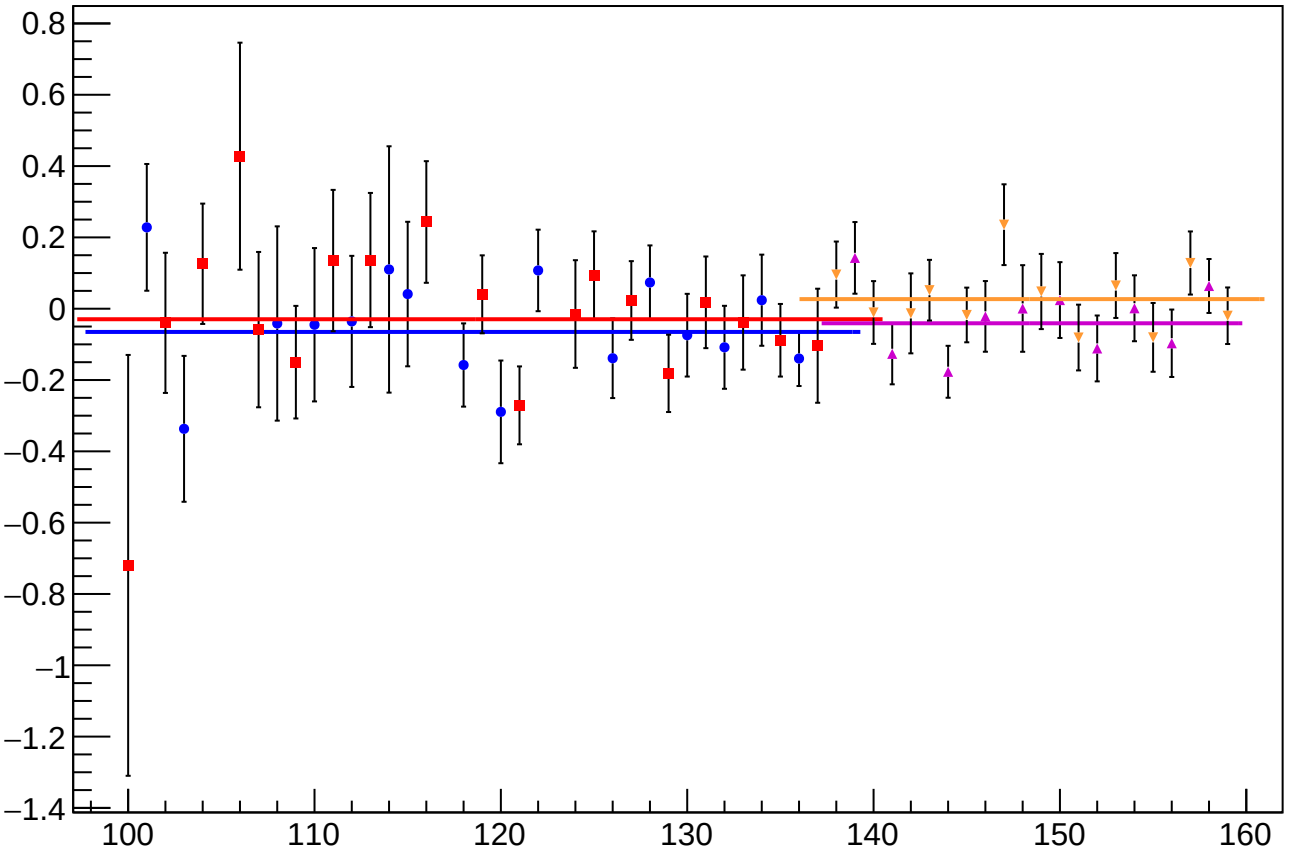
Left: 82.240+/-0.014 χ^2/NDF: 542919.3/21

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.716+/-0.015 χ^2/NDF:1360695.2/25

Out: 82.944+/-0.015 χ^2/NDF:1232265.4/30

All: 83.780+/-0.011 χ^2/NDF: 2599938.1/56



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.027+/-0.026 χ^2/NDF:9.2/11

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

Left: -0.004+/-0.019 χ^2/NDF: 23.6/21

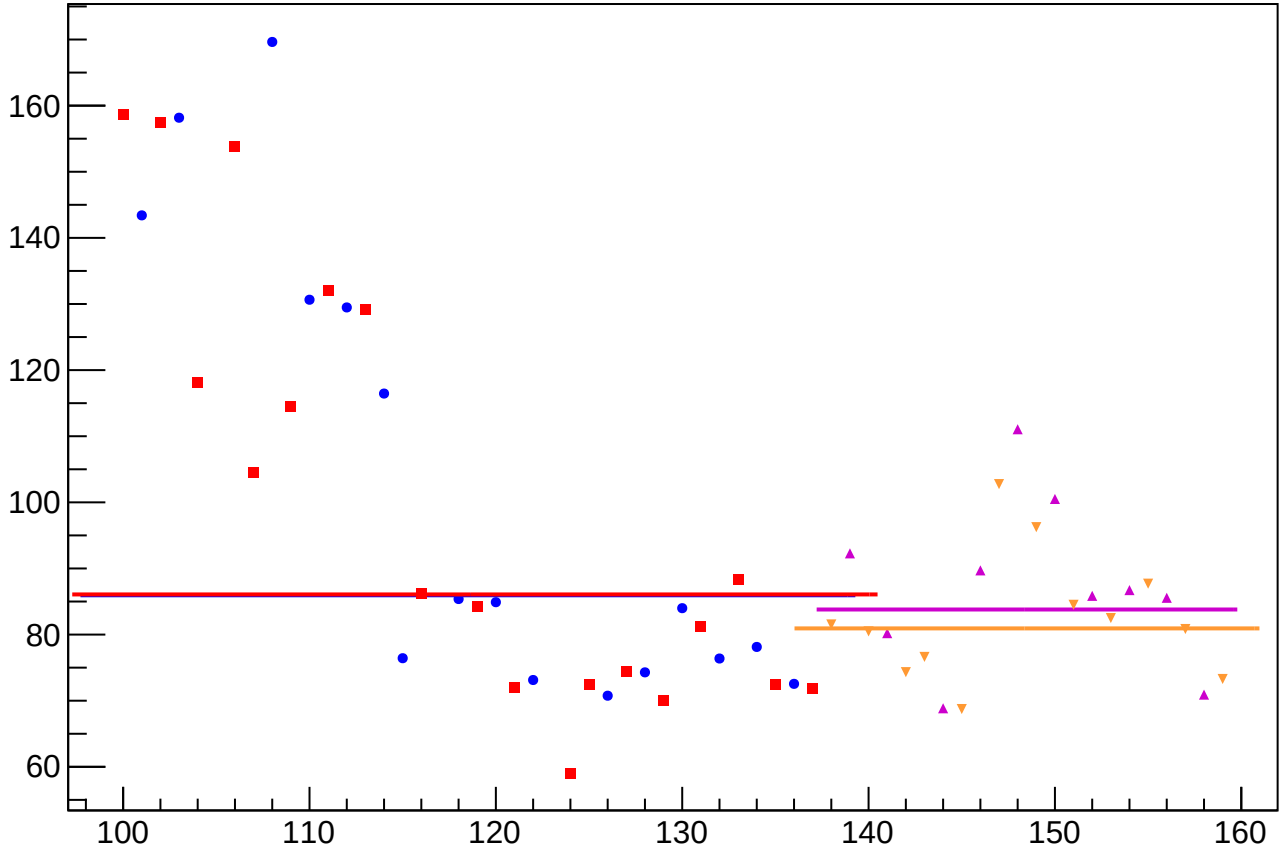
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.022+/-0.015 χ^2/NDF: 58.4/56

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.935+/-0.019 χ^2/NDF:211305.8/11

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

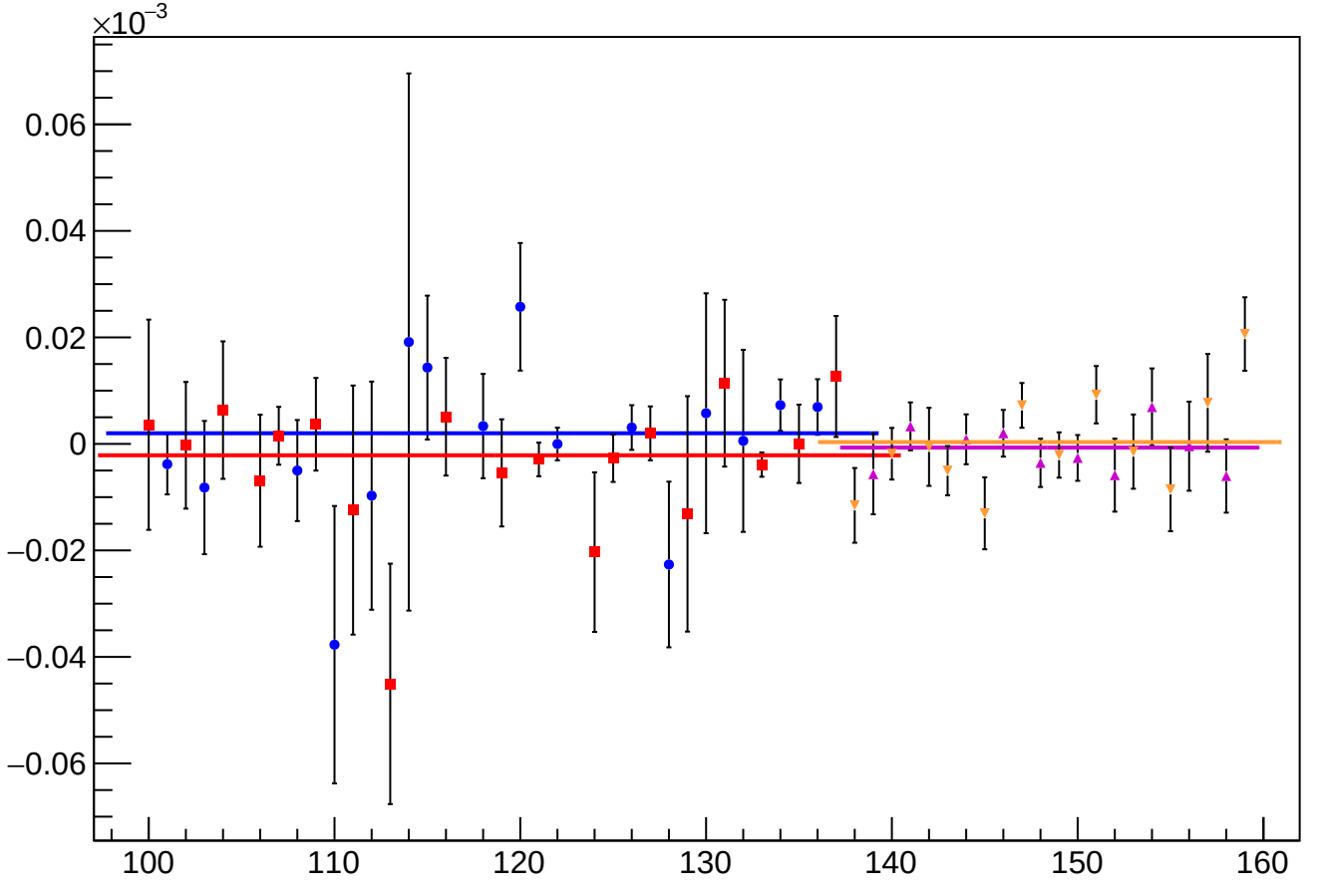
Left: 82.240+/-0.014 χ^2/NDF: 542919.3/21

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.716+/-0.015 χ^2/NDF:1360695.2/25

Out: 82.944+/-0.015 χ^2/NDF:1232265.4/30

All: 83.780+/-0.011 χ^2/NDF: 2599938.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/9

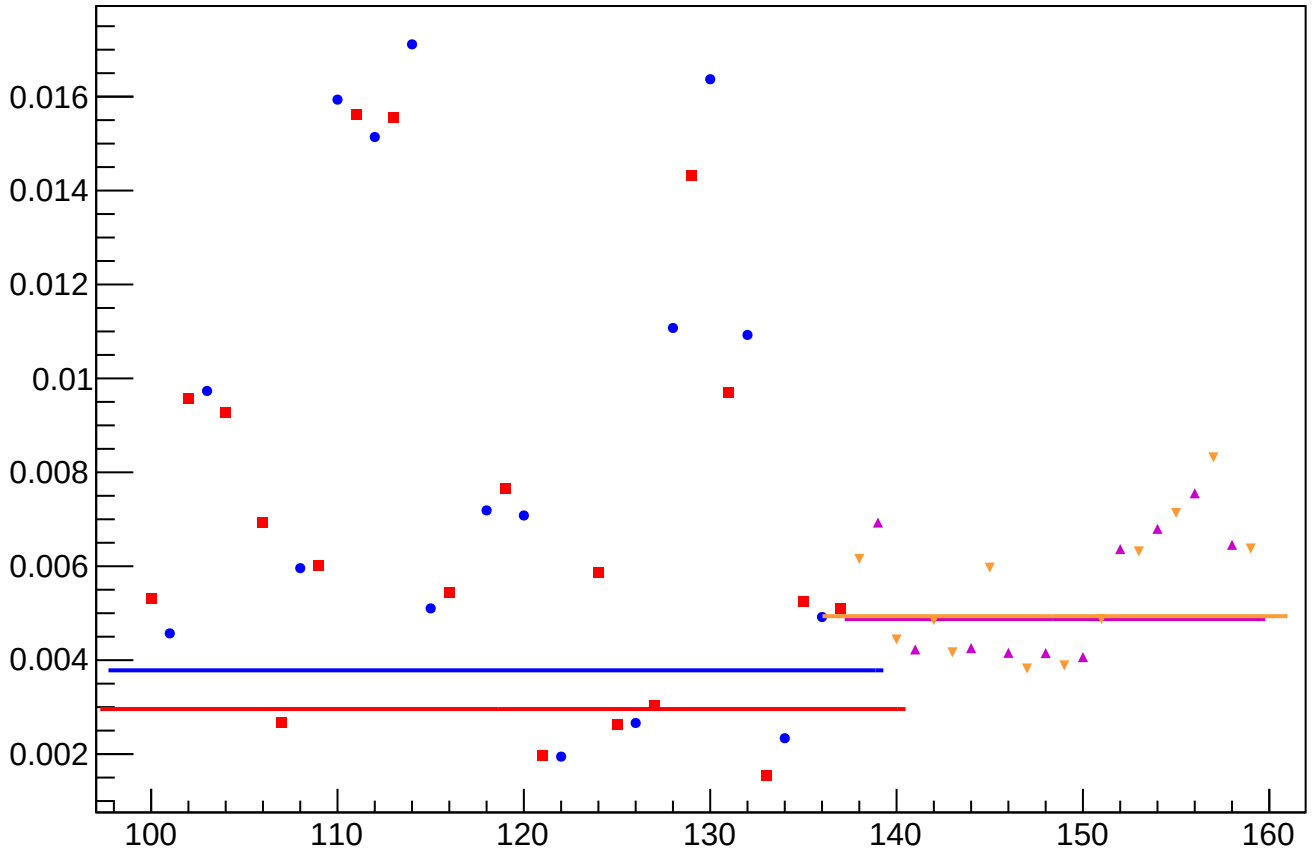
Left: -0.000+/-0.000 χ^2/NDF: 29.5/21

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:20.7/25

Out: -0.000+/-0.000 χ^2/NDF:37.6/30

All: -0.000+/-0.000 χ^2/NDF: 59.4/56



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1039286.6/11

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:946228.2/9

Left: 0.005+/-0.000 χ^2/NDF: 1986889.4/21

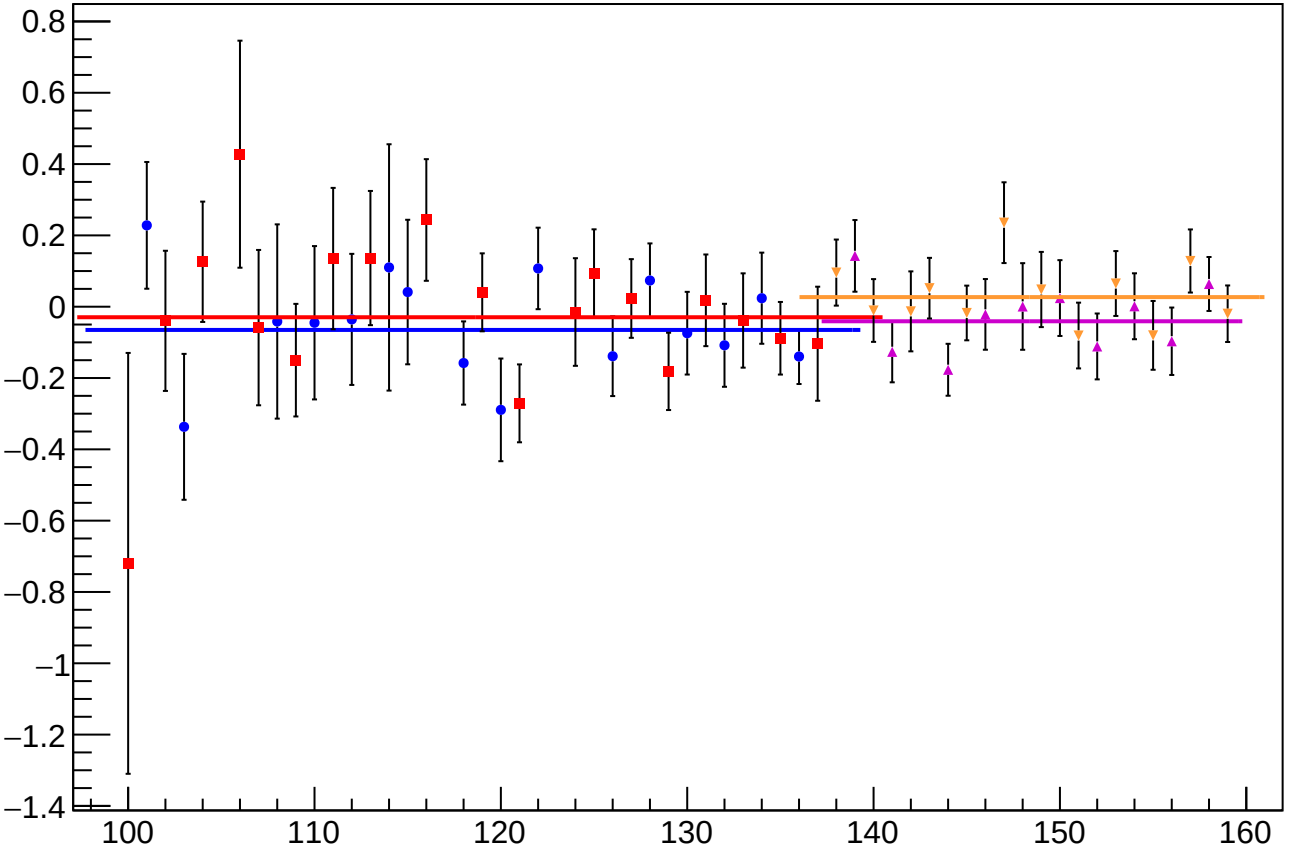
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:6039419.5/25

Out: 0.004+/-0.000 χ^2/NDF:8251995.3/30

All: 0.004+/-0.000 χ^2/NDF: 14524801.7/56

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: 0.027+/-0.026 χ^2/NDF:9.2/11

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

Left: -0.004+/-0.019 χ^2/NDF: 23.6/21

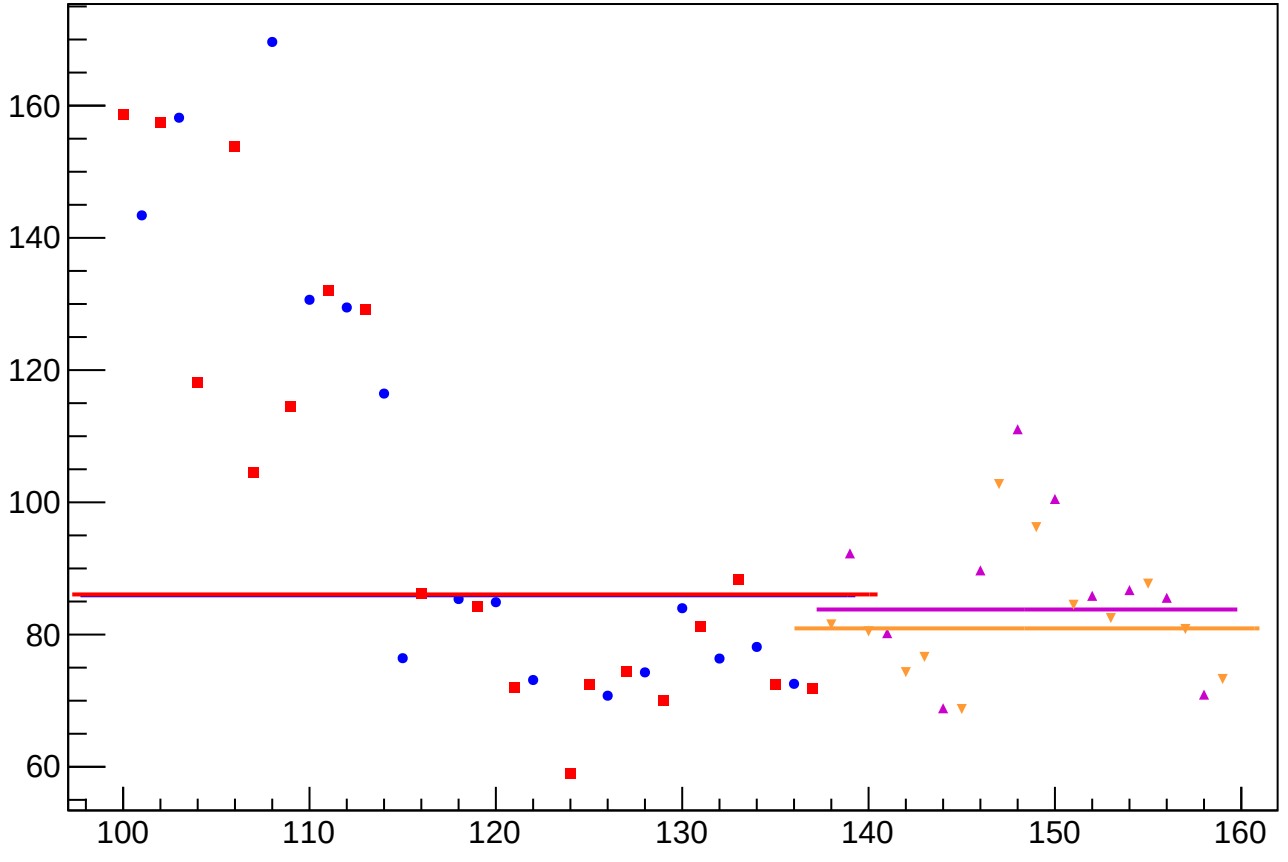
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.022+/-0.015 χ^2/NDF: 58.4/56

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.935+/-0.019 χ^2/NDF:211341.5/11

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

Left: 82.239+/-0.014 χ^2/NDF: 542978.6/21

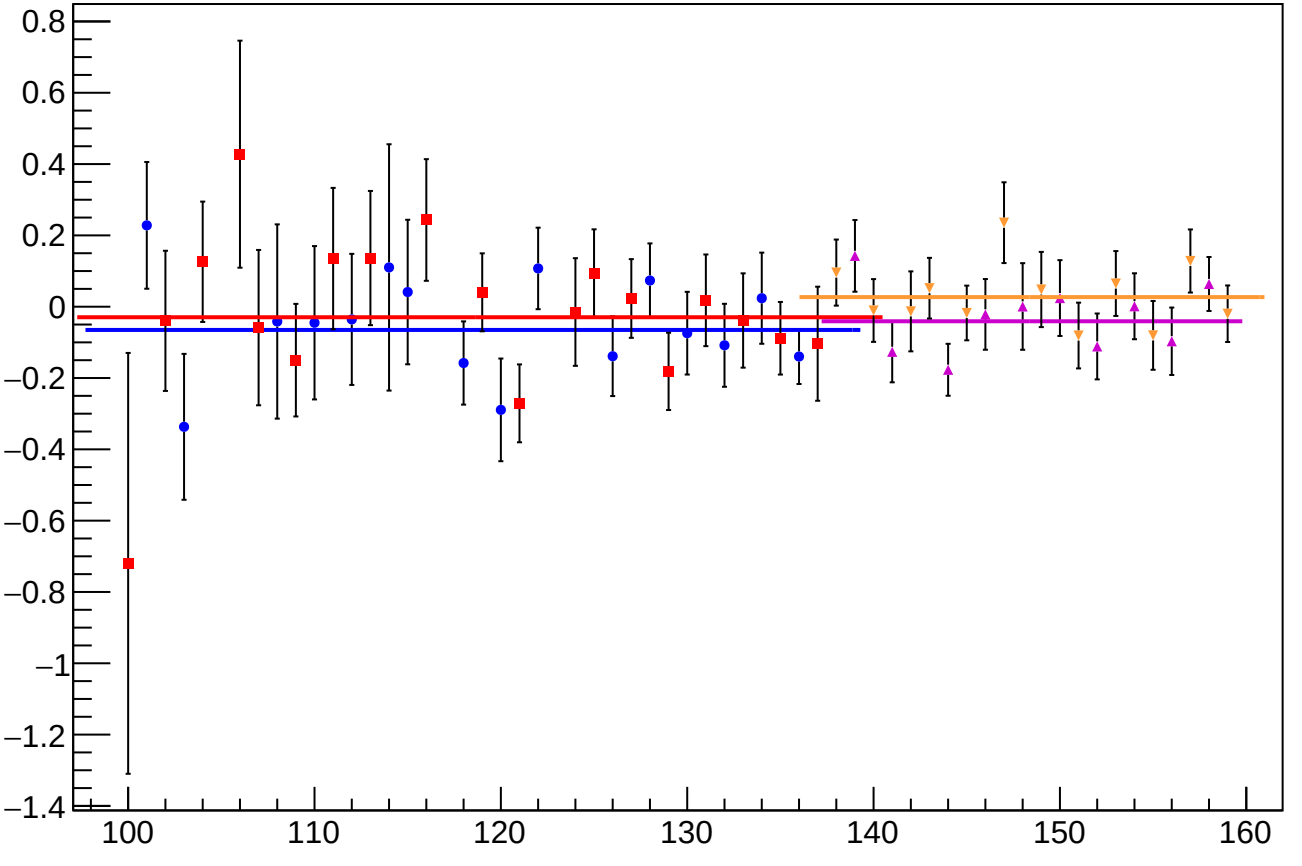
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.714+/-0.015 χ^2/NDF:1360693.1/25

Out: 82.943+/-0.015 χ^2/NDF:1232276.8/30

All: 83.779+/-0.011 χ^2/NDF: 2599945.4/56

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: 0.027+/-0.026 χ^2/NDF:9.2/11

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

Left: -0.004+/-0.019 χ^2/NDF: 23.6/21

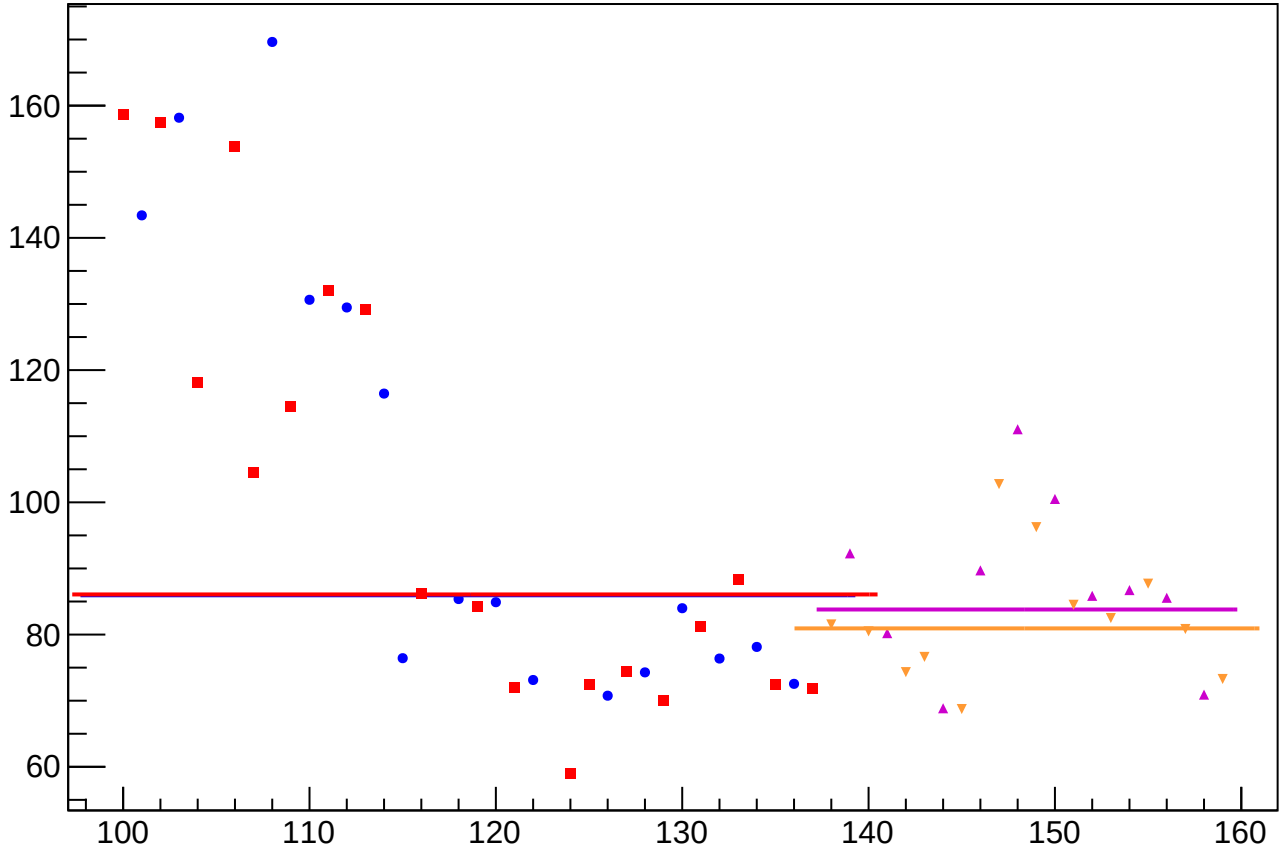
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.022+/-0.015 χ^2/NDF: 58.4/56

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.935+/-0.019 χ^2/NDF:211341.5/11

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

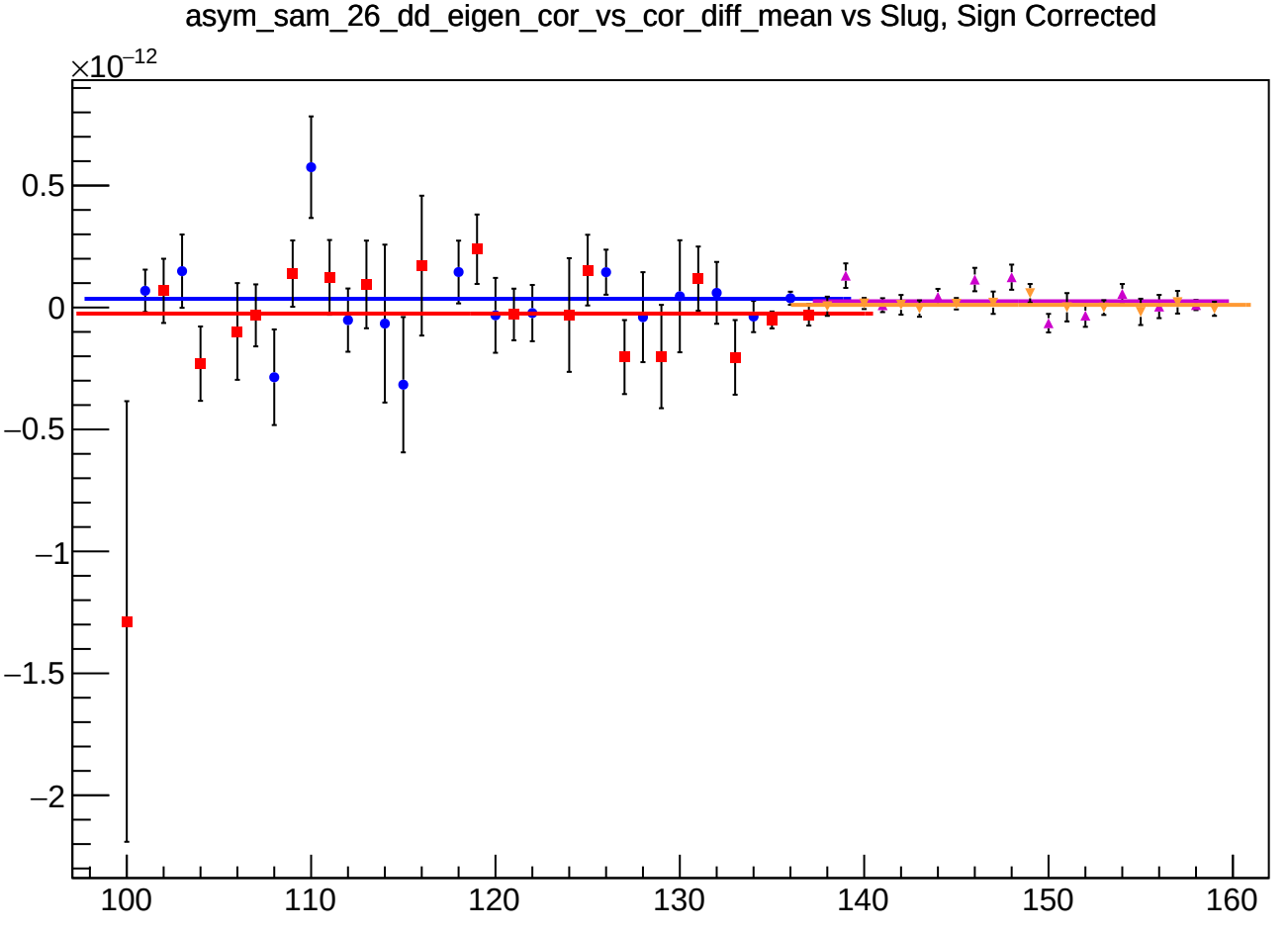
Left: 82.239+/-0.014 χ^2/NDF: 542978.6/21

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.714+/-0.015 χ^2/NDF:1360693.1/25

Out: 82.943+/-0.015 χ^2/NDF:1232276.8/30

All: 83.779+/-0.011 χ^2/NDF: 2599945.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:20.7/9

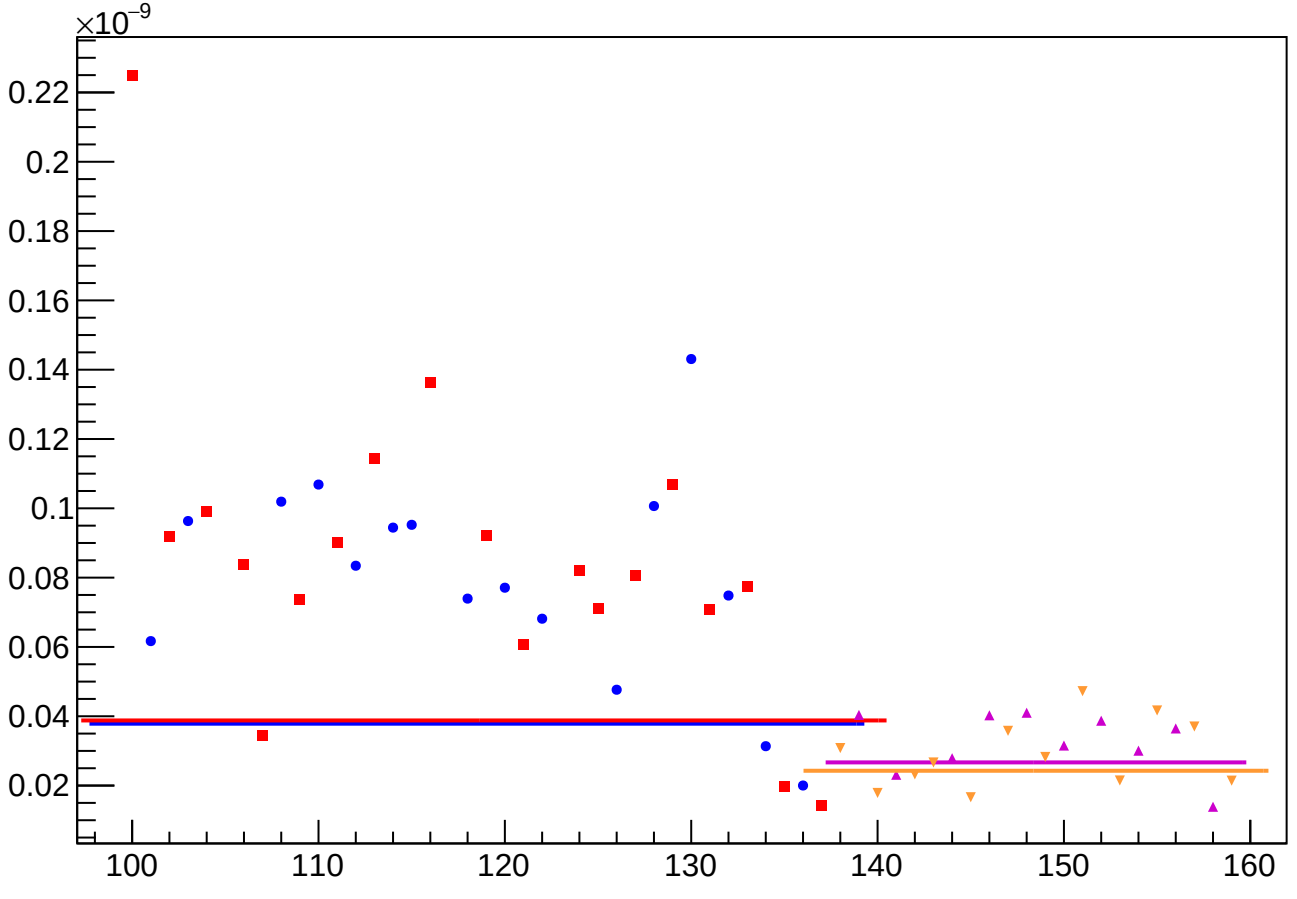
Left: 0.000+/-0.000 χ^2/NDF: 24.4/21

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:37.2/25

Out: 0.000+/-0.000 χ^2/NDF:22.8/30

All: 0.000+/-0.000 χ^2/NDF: 62.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1293177.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1507947.9/9

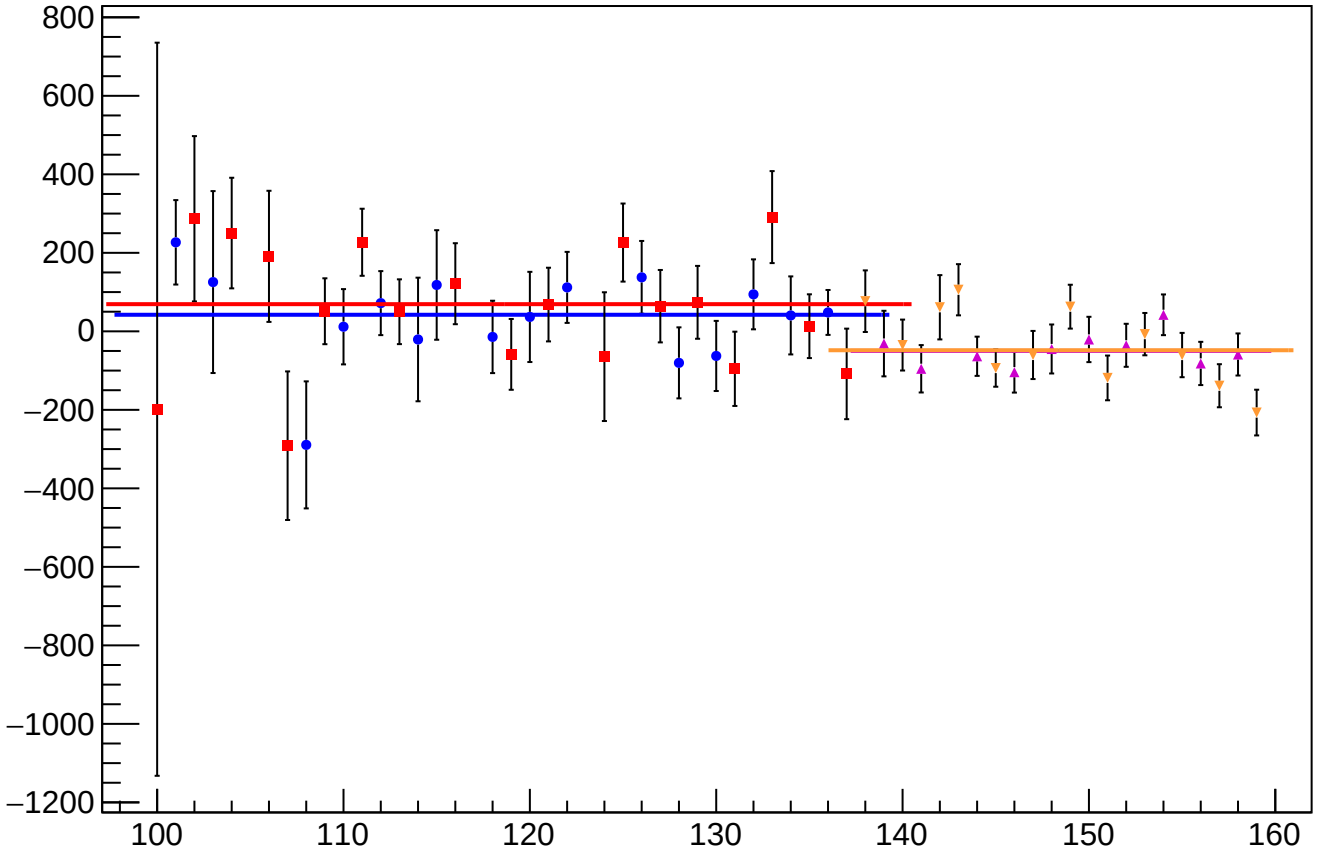
Left: 0.000+/-0.000 χ^2/NDF: 2853386.3/21

Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:5416483.7/25

Out: 0.000+/-0.000 χ^2/NDF:6131969.5/30

All: 0.000+/-0.000 χ^2/NDF: 11625380.7/56



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -48.156+/-17.137 χ^2/NDF:27.2/11

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -49.843+/-17.883 χ^2/NDF:5.6/9

Left: -48.964+/-12.373 χ^2/NDF: 32.8/21

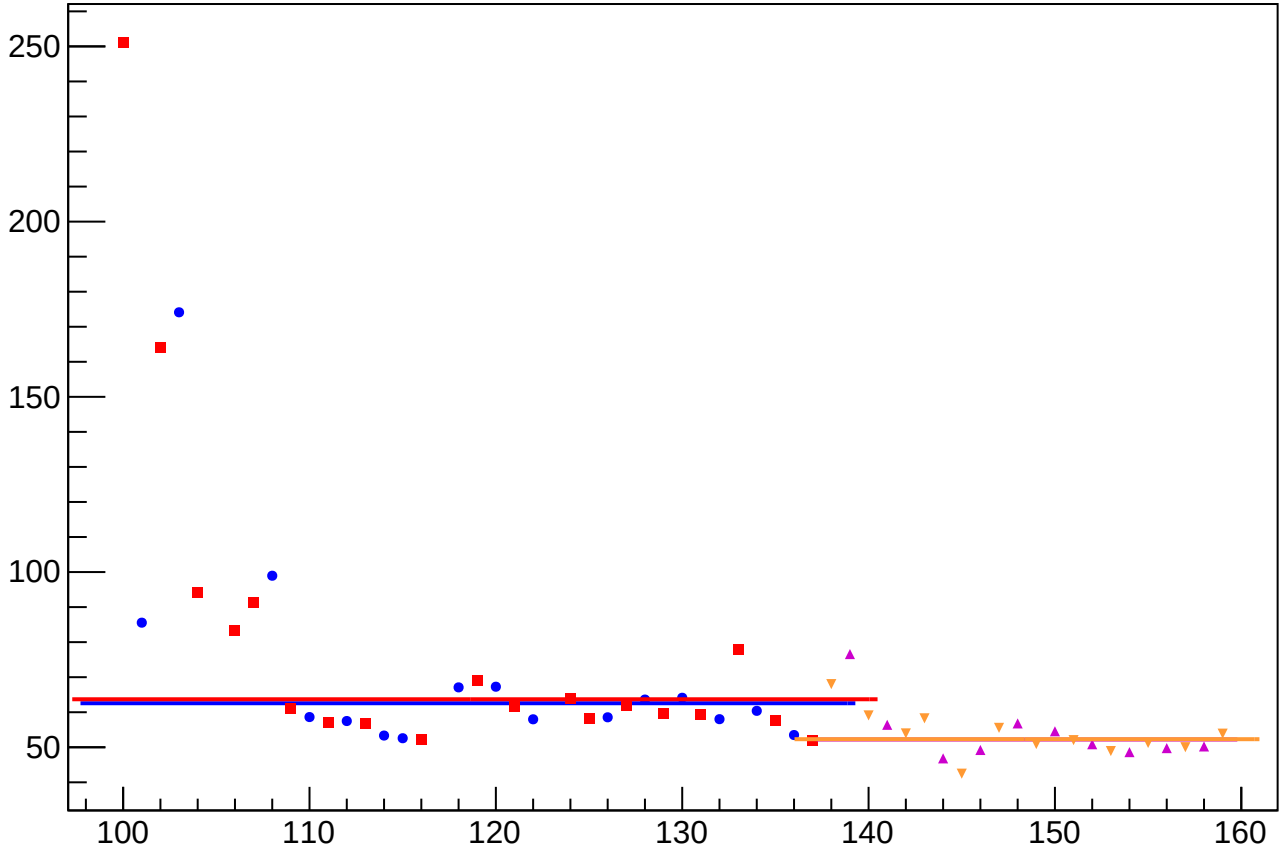
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -17.339+/-14.384 χ^2/NDF:28.5/25

Out: -9.413+/-14.027 χ^2/NDF:68.0/30

All: -13.277+/-10.042 χ^2/NDF: 96.7/56

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.306+/-0.012 χ^2/NDF:225546.0/11

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

Left: 52.261+/-0.009 χ^2/NDF: 467263.1/21

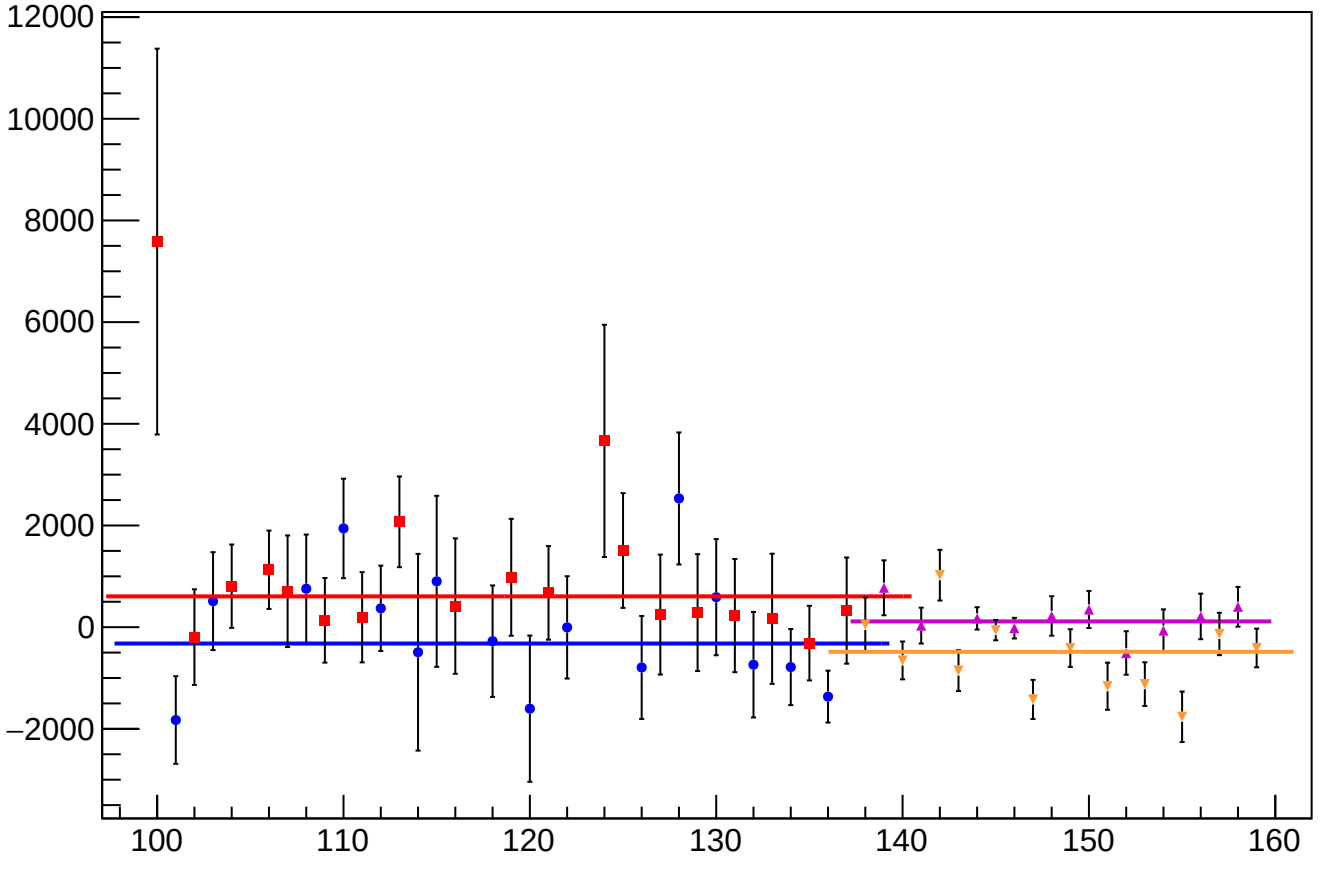
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 55.868+/-0.010 χ^2/NDF:1236956.8/25

Out: 56.066+/-0.010 χ^2/NDF:1351466.4/30

All: 55.969+/-0.007 χ^2/NDF: 2588616.7/56

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -484.810+/-107.418 χ^2/NDF:33.4/11

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 113.406+/-103.435 χ^2/NDF:5.4/9

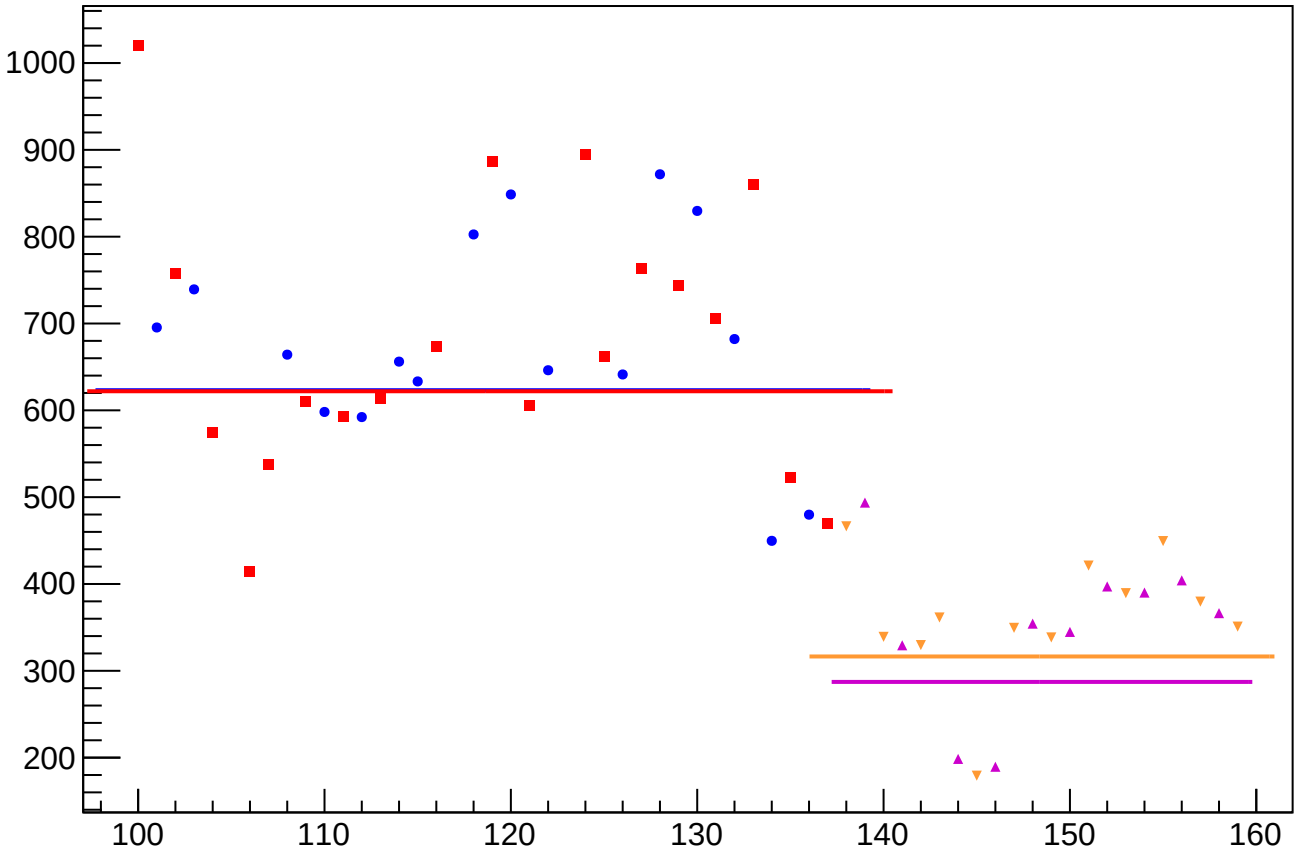
Left: -174.406+/-74.508 χ^2/NDF: 54.9/21

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 44.521+/-94.894 χ^2/NDF:30.9/25

Out: -294.500+/-97.597 χ^2/NDF:63.9/30

All: -120.228+/-68.036 χ^2/NDF: 101.0/56



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 316.515+/-0.076 χ^2/NDF:1516285.6/11

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 287.218+/-0.073 χ^2/NDF:1693529.3/9

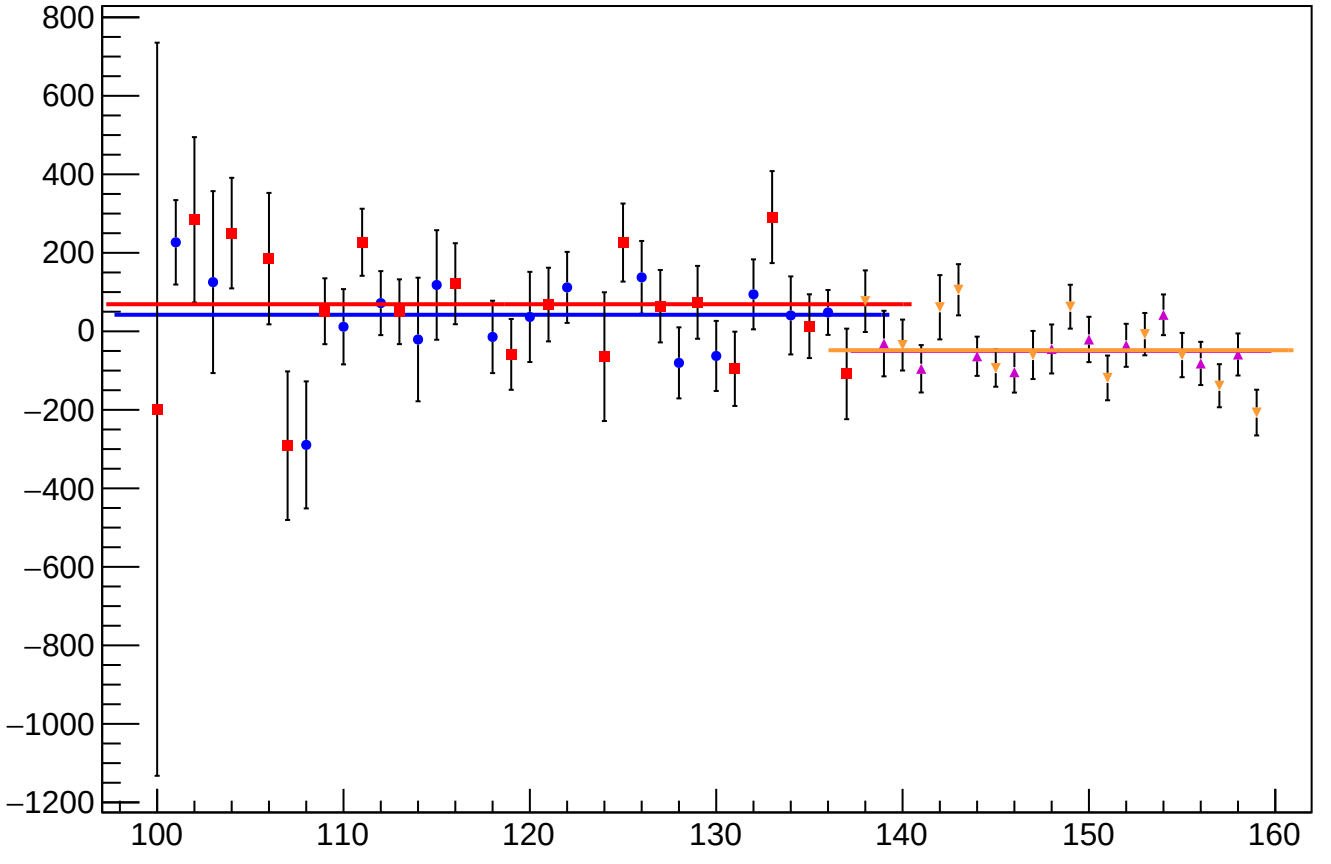
Left: 301.313+/-0.053 χ^2/NDF: 3287013.6/21

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 340.411+/-0.067 χ^2/NDF:5599801.5/25

Out: 369.815+/-0.069 χ^2/NDF:4920860.0/30

All: 354.700+/-0.048 χ^2/NDF: 10613980.2/56



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -48.155+/-17.137 χ^2/NDF:27.2/11

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -49.841+/-17.883 χ^2/NDF:5.6/9

Left: -48.962+/-12.373 χ^2/NDF: 32.8/21

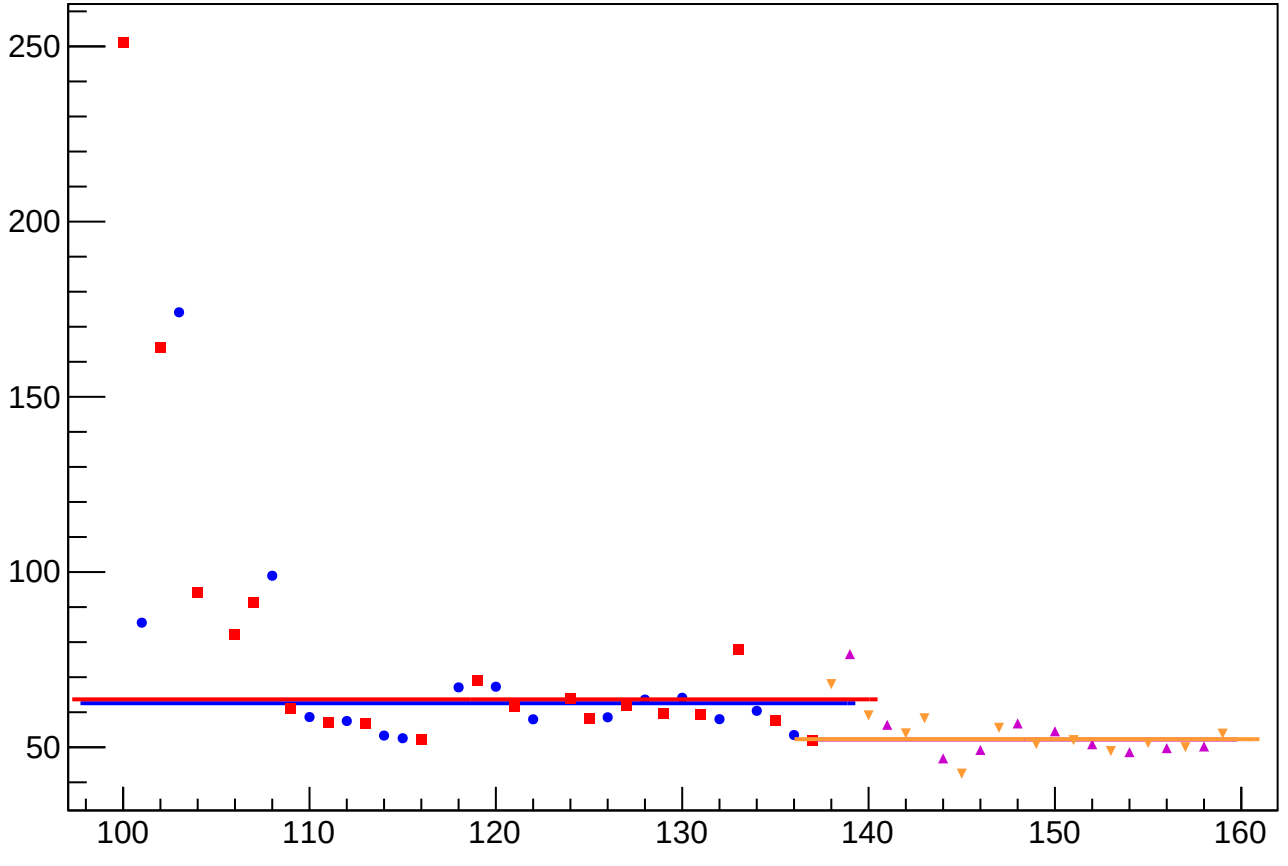
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -17.340+/-14.384 χ^2/NDF:28.5/25

Out: -9.475+/-14.027 χ^2/NDF:67.9/30

All: -13.309+/-10.042 χ^2/NDF: 96.6/56

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.306+/-0.012 χ^2/NDF:225546.0/11

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

Left: 52.261+/-0.009 χ^2/NDF: 467263.1/21

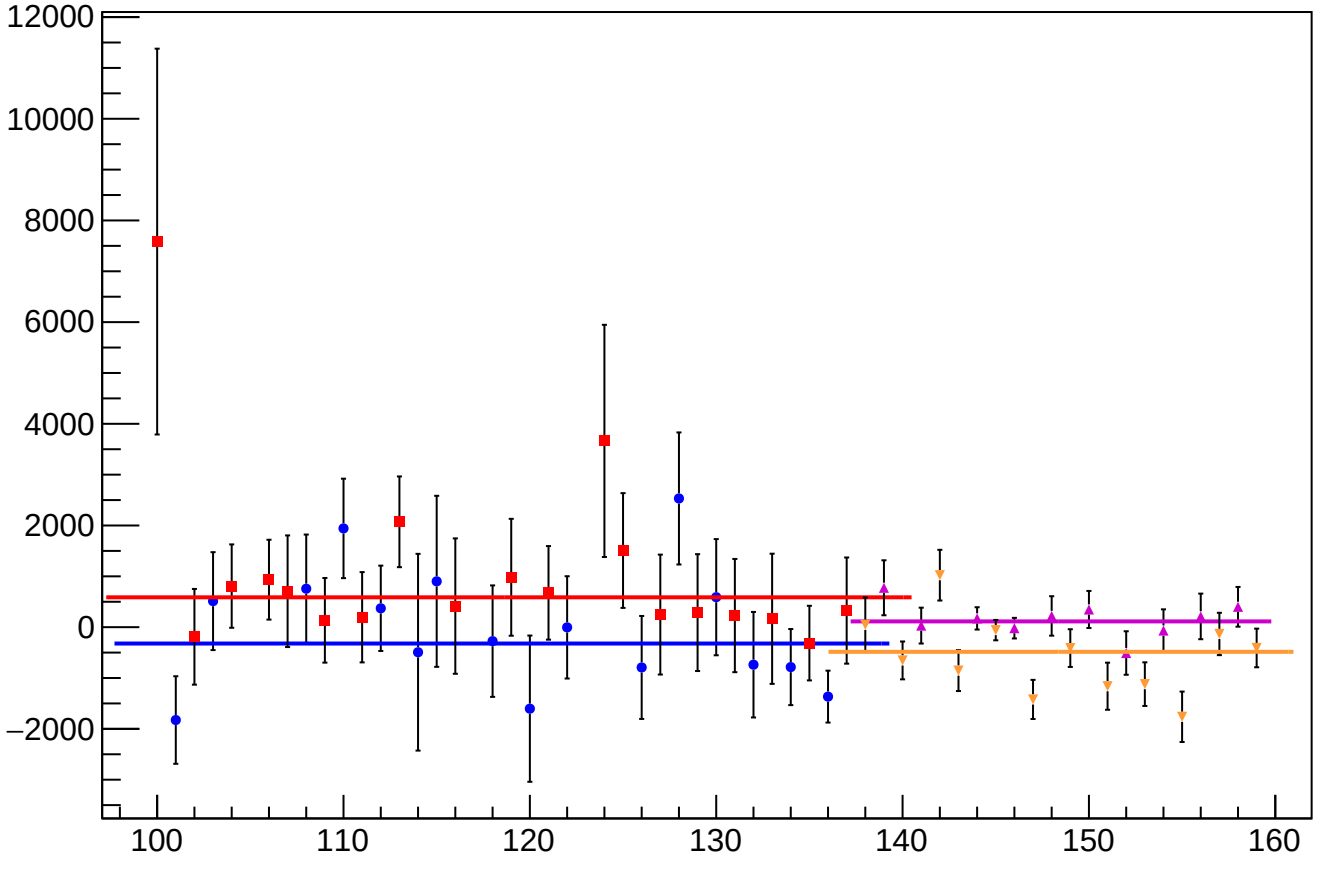
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.868+/-0.010 χ^2/NDF:1236958.7/25

Out: 56.057+/-0.010 χ^2/NDF:1347460.2/30

All: 55.965+/-0.007 χ^2/NDF: 2584596.6/56

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -484.807+/-107.418 χ^2/NDF:33.4/11

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 113.409+/-103.435 χ^2/NDF:5.4/9

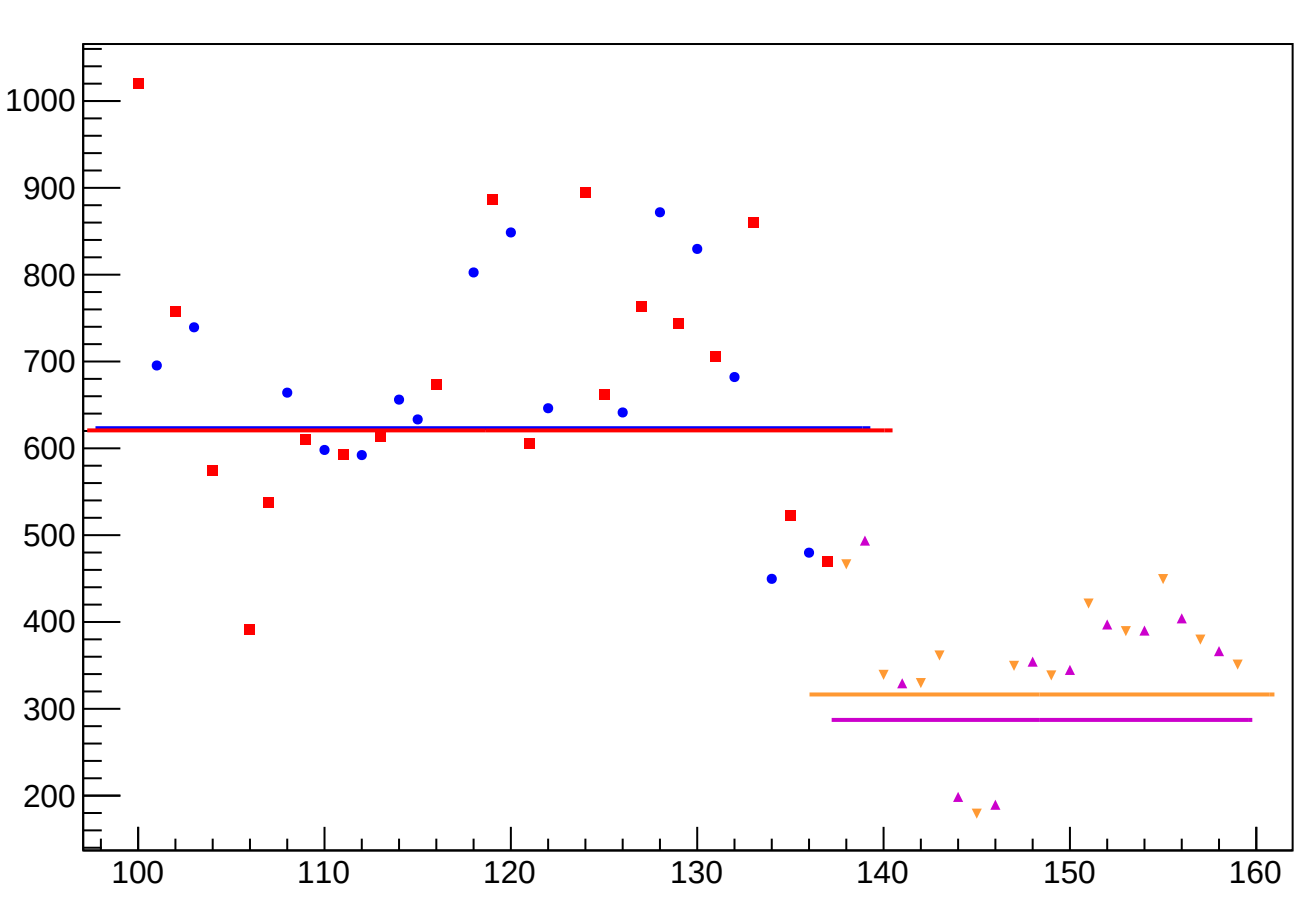
Left: -174.402+/-74.508 χ^2/NDF: 54.9/21

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 44.526+/-94.894 χ^2/NDF:30.9/25

Out: -298.326+/-97.629 χ^2/NDF:62.9/30

All: -122.030+/-68.046 χ^2/NDF: 100.2/56



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 316.515+/-0.076 χ^2/NDF:1516292.7/11

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

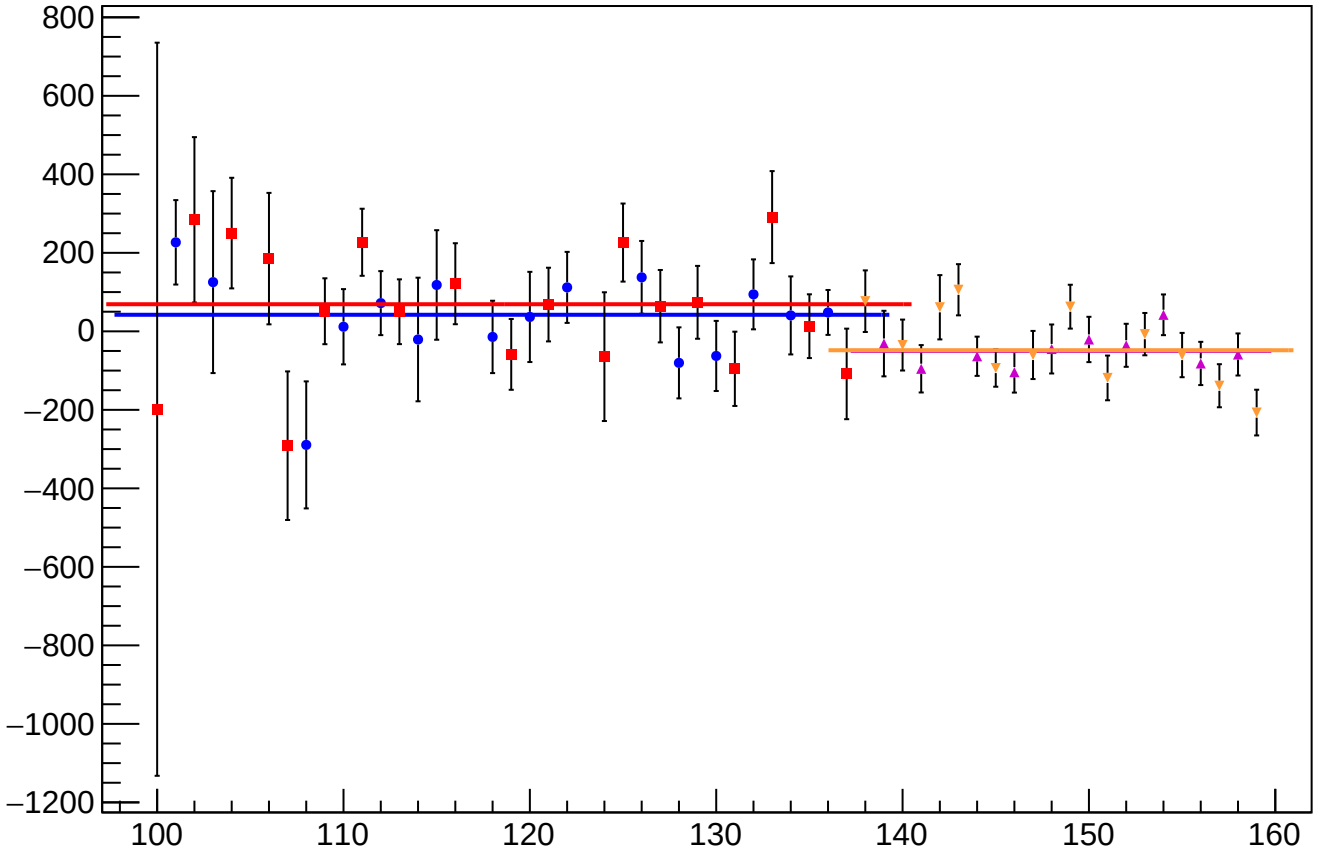
Left: 301.313+/-0.053 χ^2/NDF: 3287026.8/21

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 340.410+/-0.067 χ^2/NDF:5599868.9/25

Out: 369.424+/-0.069 χ^2/NDF:4916183.7/30

All: 354.505+/-0.048 χ^2/NDF: 10606878.7/56



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -48.155+/-17.137 χ^2/NDF:27.2/11

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -49.841+/-17.883 χ^2/NDF:5.6/9

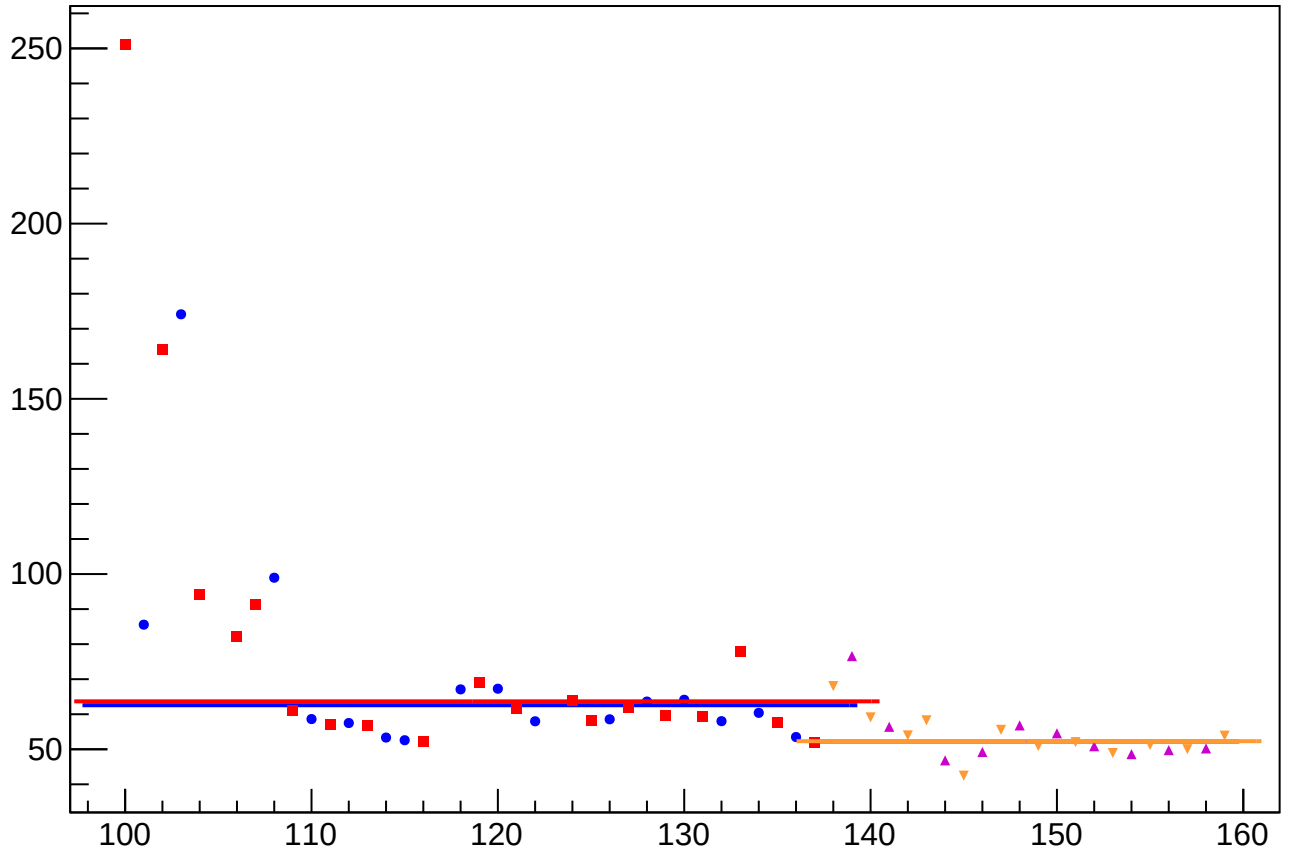
Left: -48.962+/-12.373 χ^2/NDF: 32.8/21

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -17.340+/-14.384 χ^2/NDF:28.5/25

Out: -9.475+/-14.027 χ^2/NDF:67.9/30

All: -13.309+/-10.042 χ^2/NDF: 96.6/56



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.306+/-0.012 χ^2/NDF:225546.0/11

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

Left: 52.261+/-0.009 χ^2/NDF: 467263.1/21

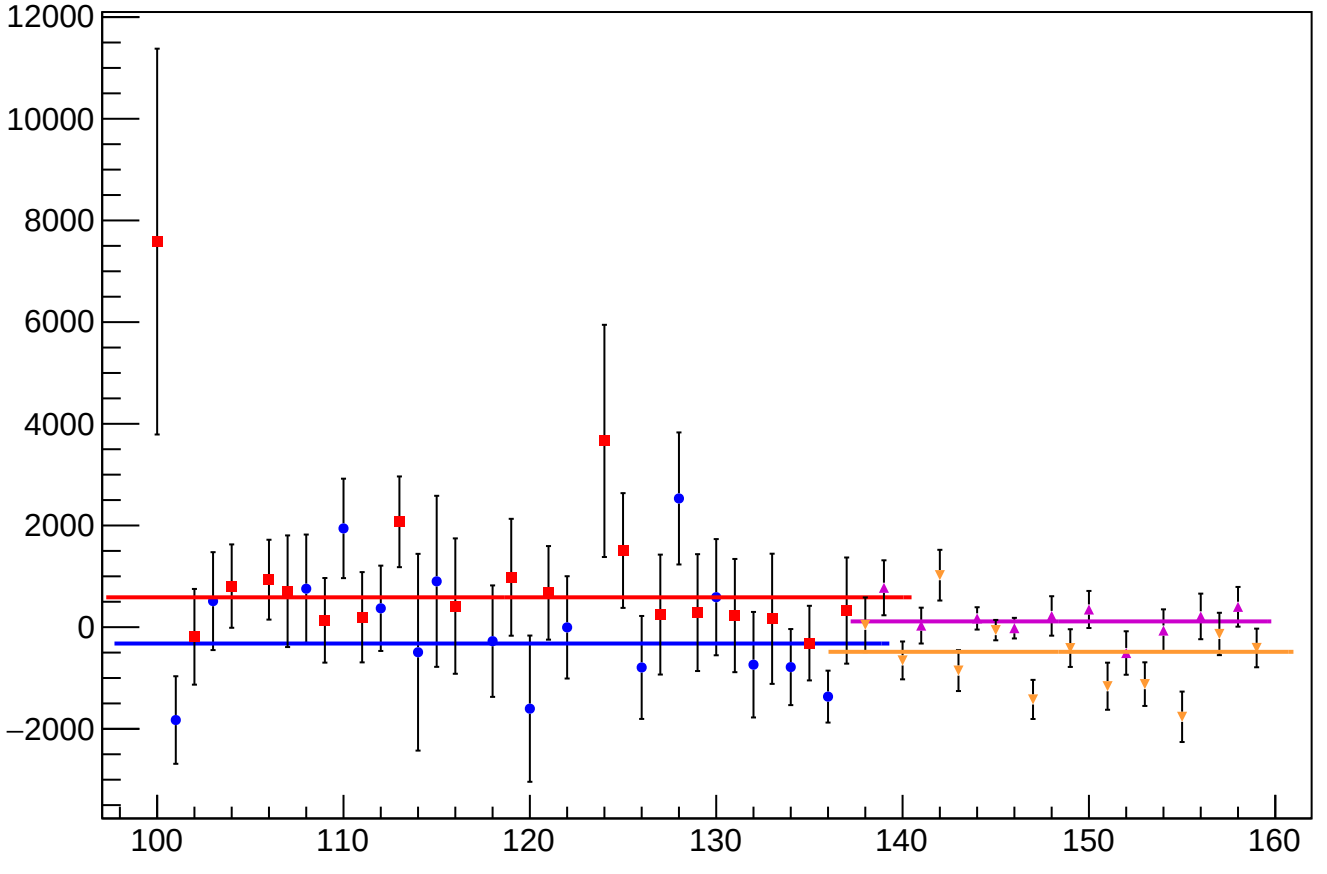
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.868+/-0.010 χ^2/NDF:1236958.7/25

Out: 56.057+/-0.010 χ^2/NDF:1347460.2/30

All: 55.965+/-0.007 χ^2/NDF: 2584596.6/56

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: -484.807+/-107.418 χ^2/NDF:33.4/11

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 113.409+/-103.435 χ^2/NDF:5.4/9

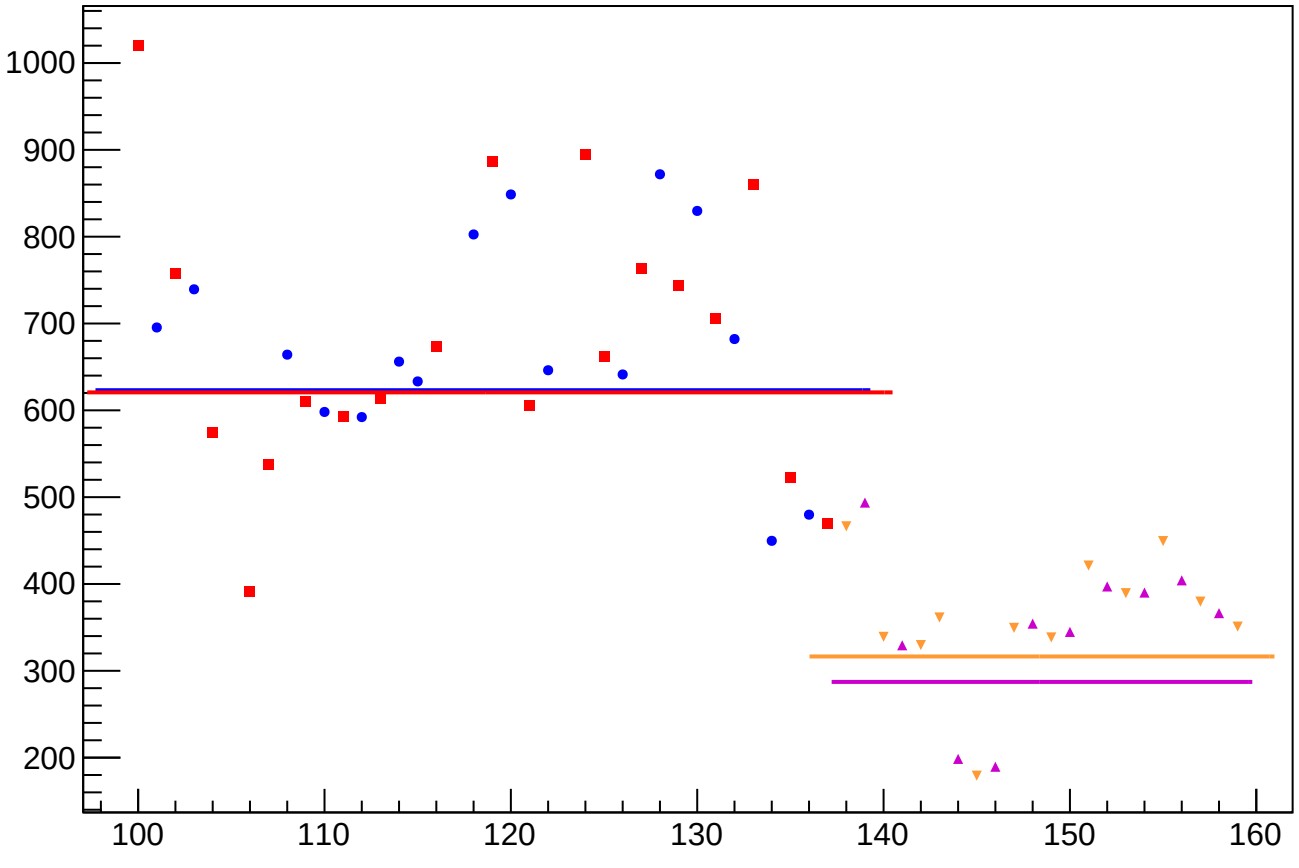
Left: -174.402+/-74.508 χ^2/NDF: 54.9/21

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 44.526+/-94.894 χ^2/NDF:30.9/25

Out: -298.326+/-97.629 χ^2/NDF:62.9/30

All: -122.030+/-68.046 χ^2/NDF: 100.2/56



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 316.515+/-0.076 χ^2/NDF:1516292.7/11

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

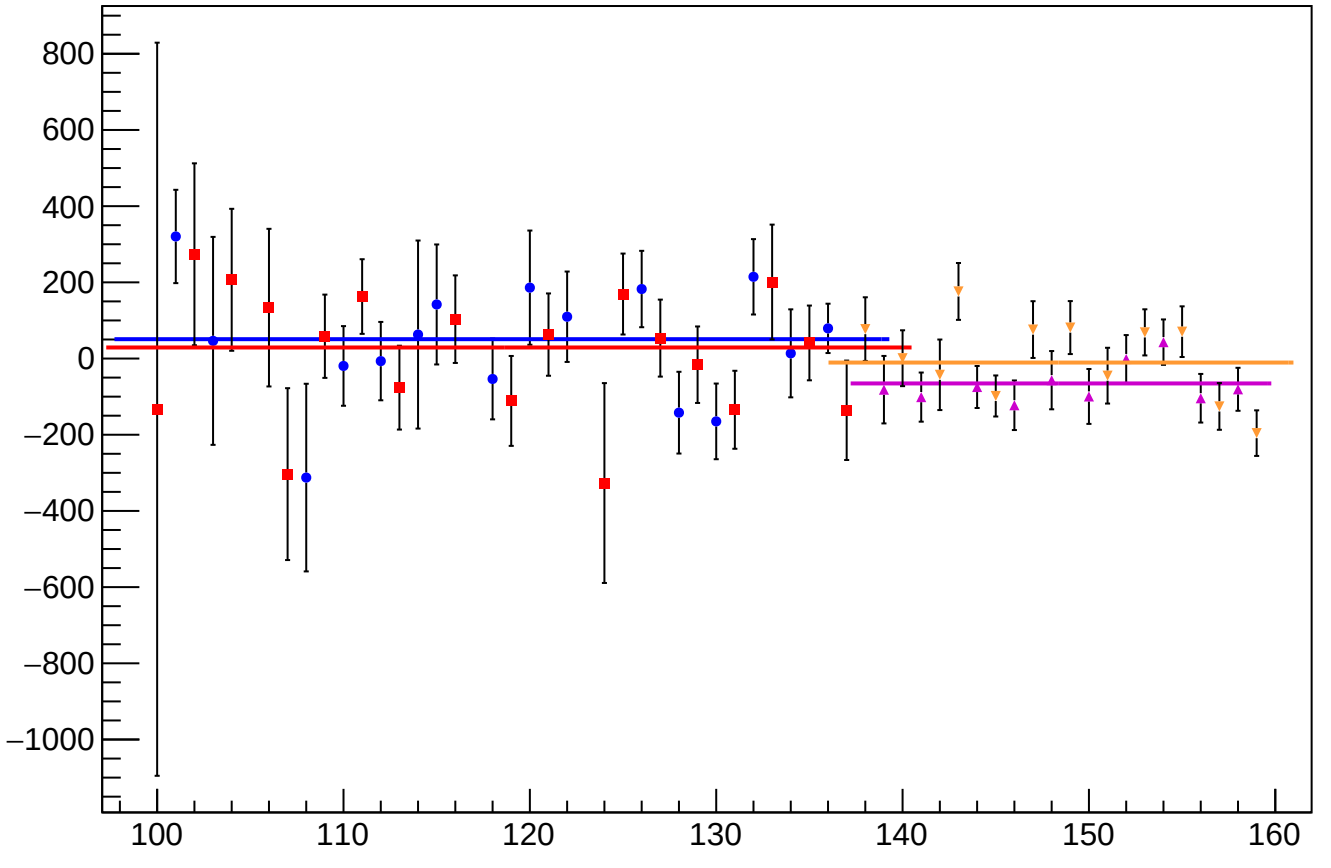
Left: 301.313+/-0.053 χ^2/NDF: 3287026.8/21

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 340.410+/-0.067 χ^2/NDF:5599868.9/25

Out: 369.424+/-0.069 χ^2/NDF:4916183.7/30

All: 354.505+/-0.048 χ^2/NDF: 10606878.7/56



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.525+/-19.659 χ^2/NDF:29.8/11

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -65.343+/-20.448 χ^2/NDF:6.2/9

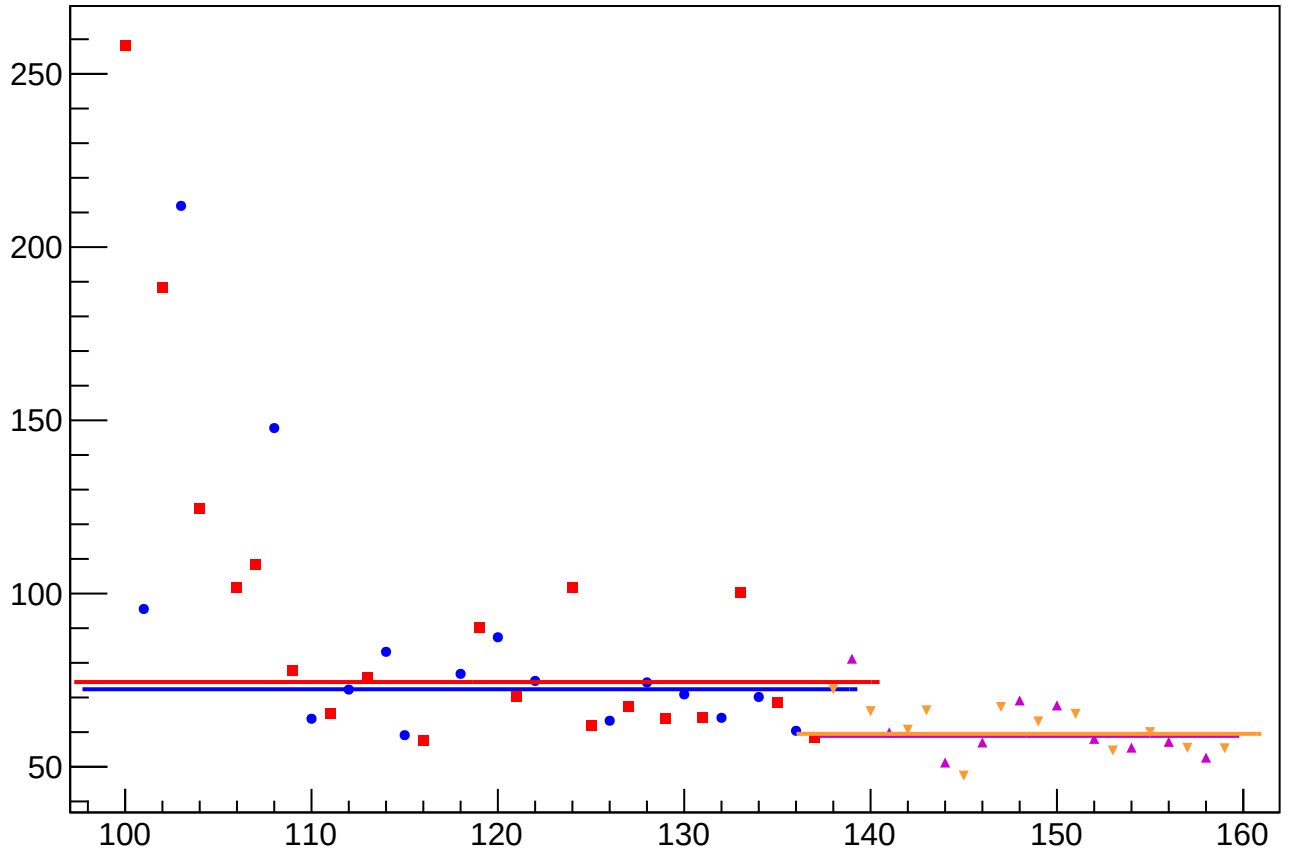
Left: -36.854+/-14.172 χ^2/NDF: 39.7/21

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -25.521+/-16.578 χ^2/NDF:40.1/25

Out: 1.985+/-16.256 χ^2/NDF:49.6/30

All: -11.498+/-11.607 χ^2/NDF: 91.1/56



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 59.510+/-0.014 χ^2/NDF:250931.9/11

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.921+/-0.014 χ^2/NDF:266193.3/9

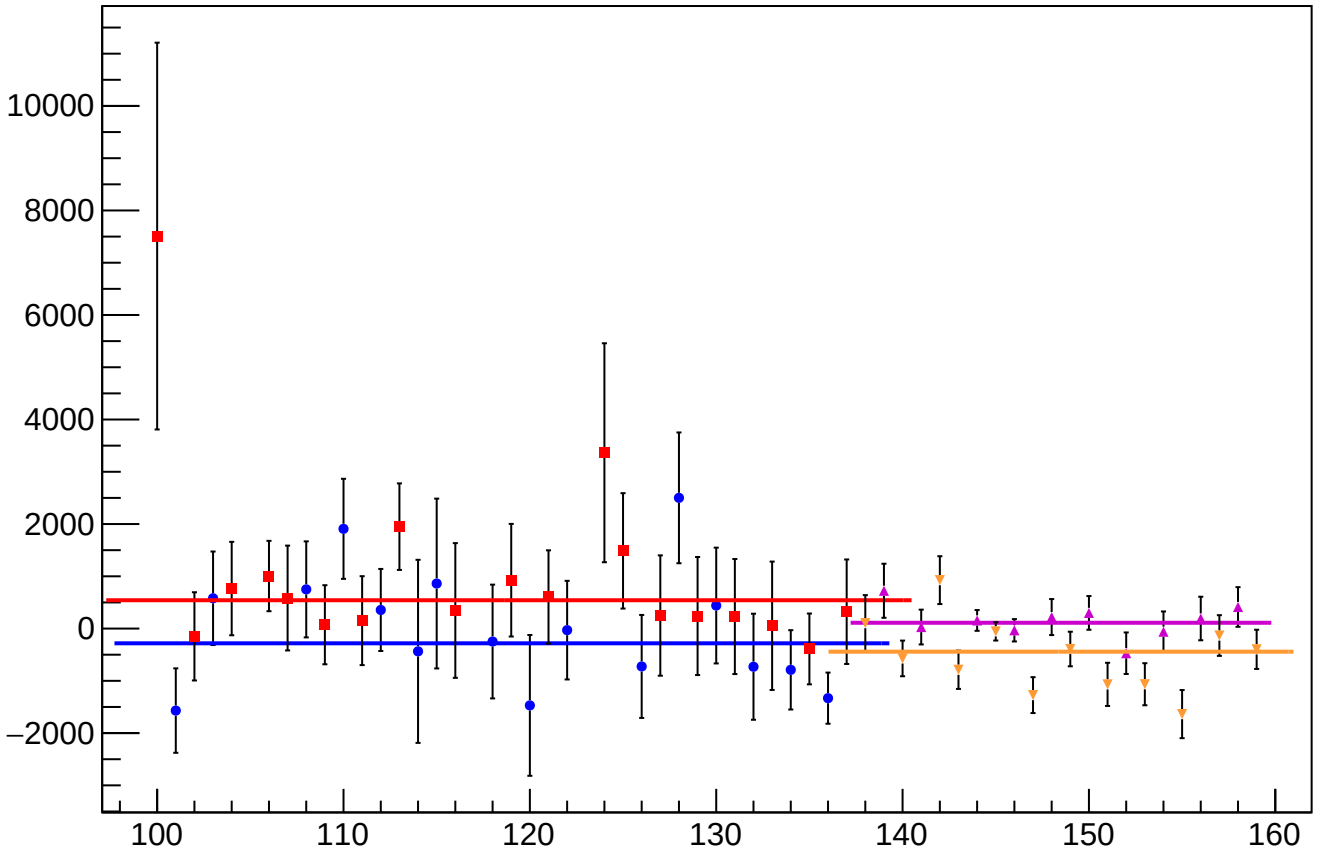
Left: 59.227+/-0.010 χ^2/NDF: 517989.8/21

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 63.533+/-0.012 χ^2/NDF:1501259.6/25

Out: 64.238+/-0.011 χ^2/NDF:1669107.8/30

All: 63.893+/-0.008 χ^2/NDF: 3172213.0/56



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -442.124+/-97.657 χ^2/NDF:33.9/11

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 111.099+/-98.203 χ^2/NDF:5.4/9

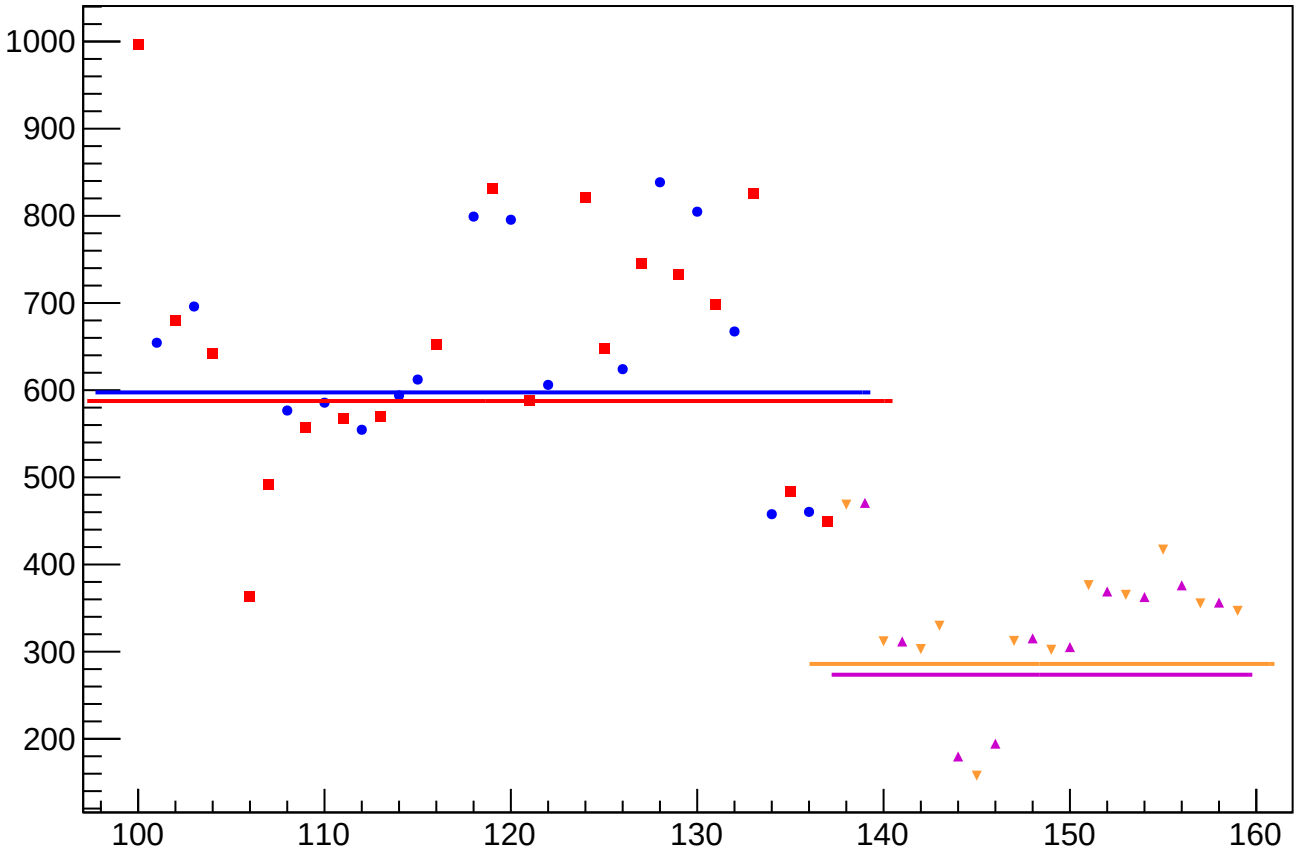
Left: -167.054+/-69.246 χ^2/NDF: 55.3/21

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 49.483+/-90.180 χ^2/NDF:30.7/25

Out: -281.230+/-89.319 χ^2/NDF:63.7/30

All: -117.460+/-63.460 χ^2/NDF: 101.3/56



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 285.942+/-0.069 χ^2/NDF:1811990.5/11

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 273.551+/-0.069 χ^2/NDF:1522280.8/9

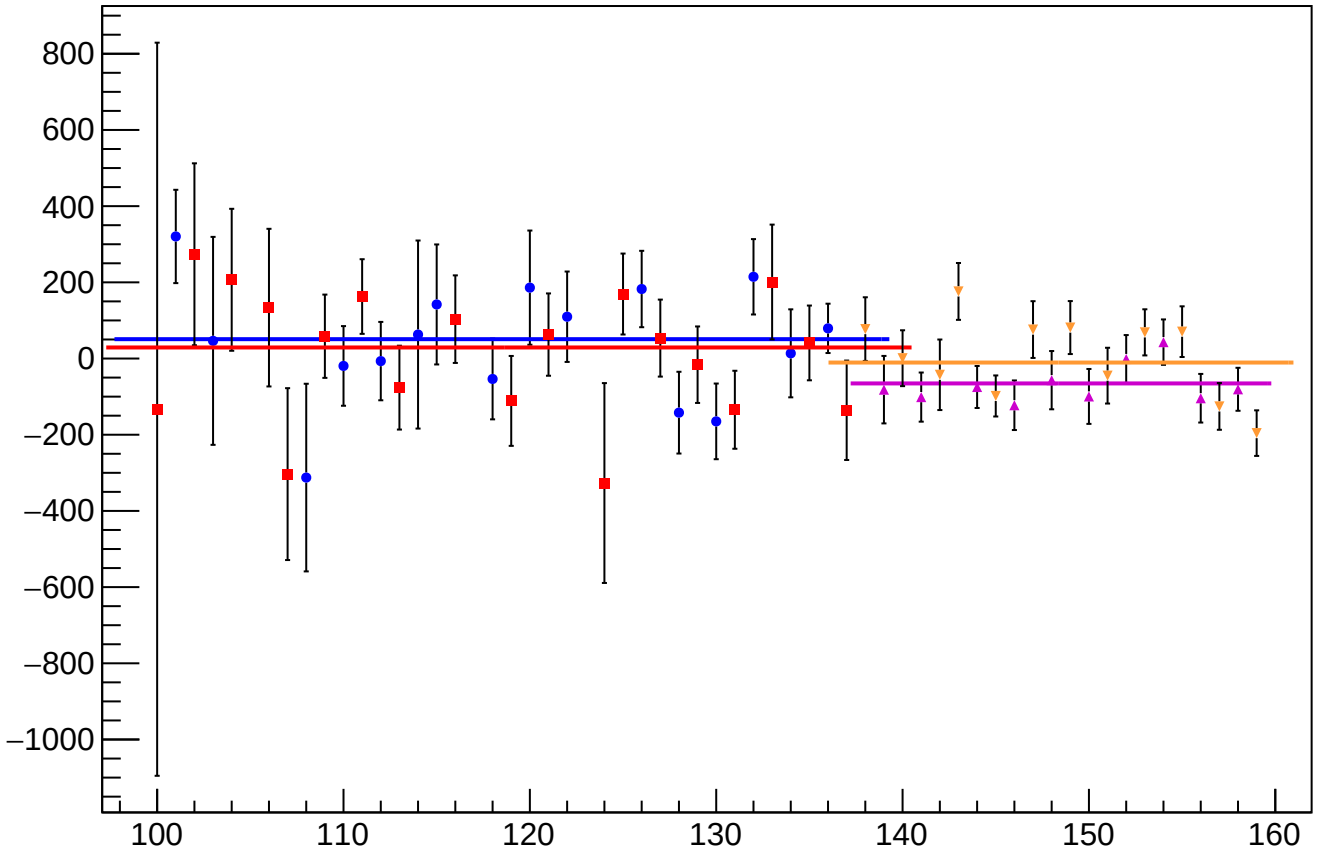
Left: 279.781+/-0.049 χ^2/NDF: 3350281.0/21

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 324.314+/-0.064 χ^2/NDF:5465777.4/25

Out: 335.253+/-0.063 χ^2/NDF:5620089.9/30

All: 329.836+/-0.045 χ^2/NDF: 11100723.0/56



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.524+/-19.659 χ^2/NDF:29.8/11

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -65.343+/-20.449 χ^2/NDF:6.2/9

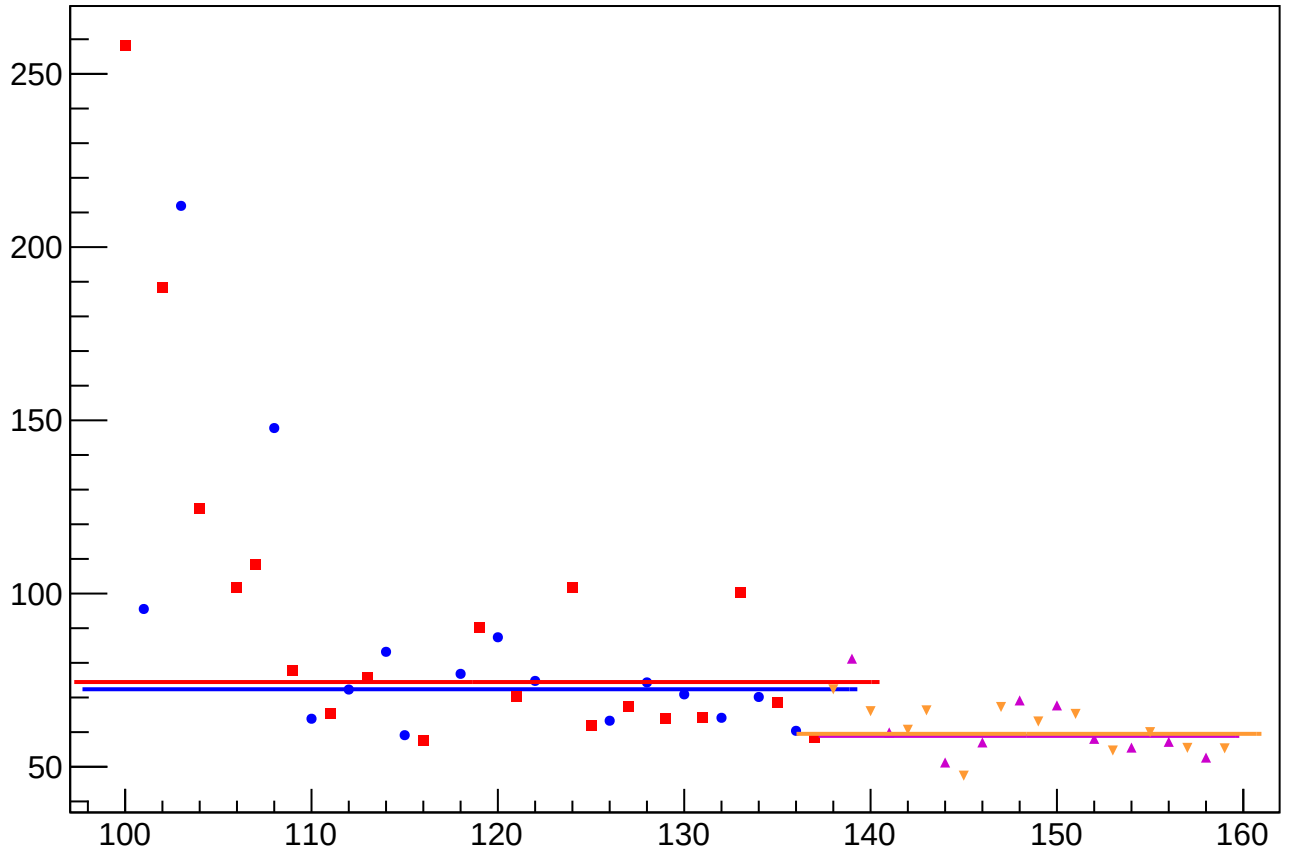
Left: -36.854+/-14.172 χ^2/NDF: 39.7/21

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -25.521+/-16.578 χ^2/NDF:40.1/25

Out: 1.986+/-16.256 χ^2/NDF:49.6/30

All: -11.498+/-11.607 χ^2/NDF: 91.1/56



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 59.511+/-0.014 χ^2/NDF:250942.6/11

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.921+/-0.014 χ^2/NDF:266195.4/9

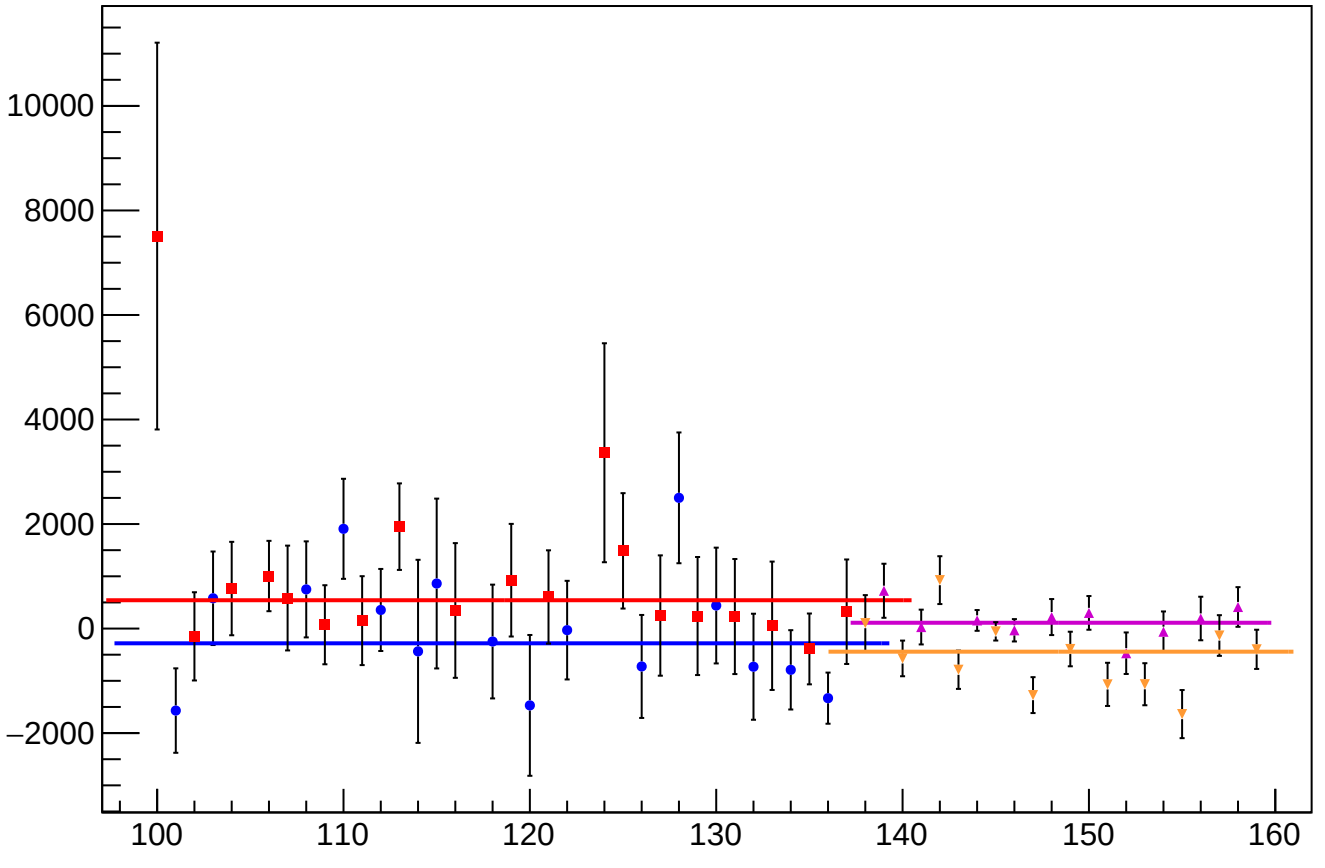
Left: 59.227+/-0.010 χ^2/NDF: 518002.7/21

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 63.533+/-0.012 χ^2/NDF:1501251.4/25

Out: 64.239+/-0.011 χ^2/NDF:1669096.4/30

All: 63.893+/-0.008 χ^2/NDF: 3172193.8/56



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -442.124+/-97.657 χ^2/NDF:33.9/11

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 111.099+/-98.203 χ^2/NDF:5.4/9

Left: -167.054+/-69.246 χ^2/NDF: 55.3/21

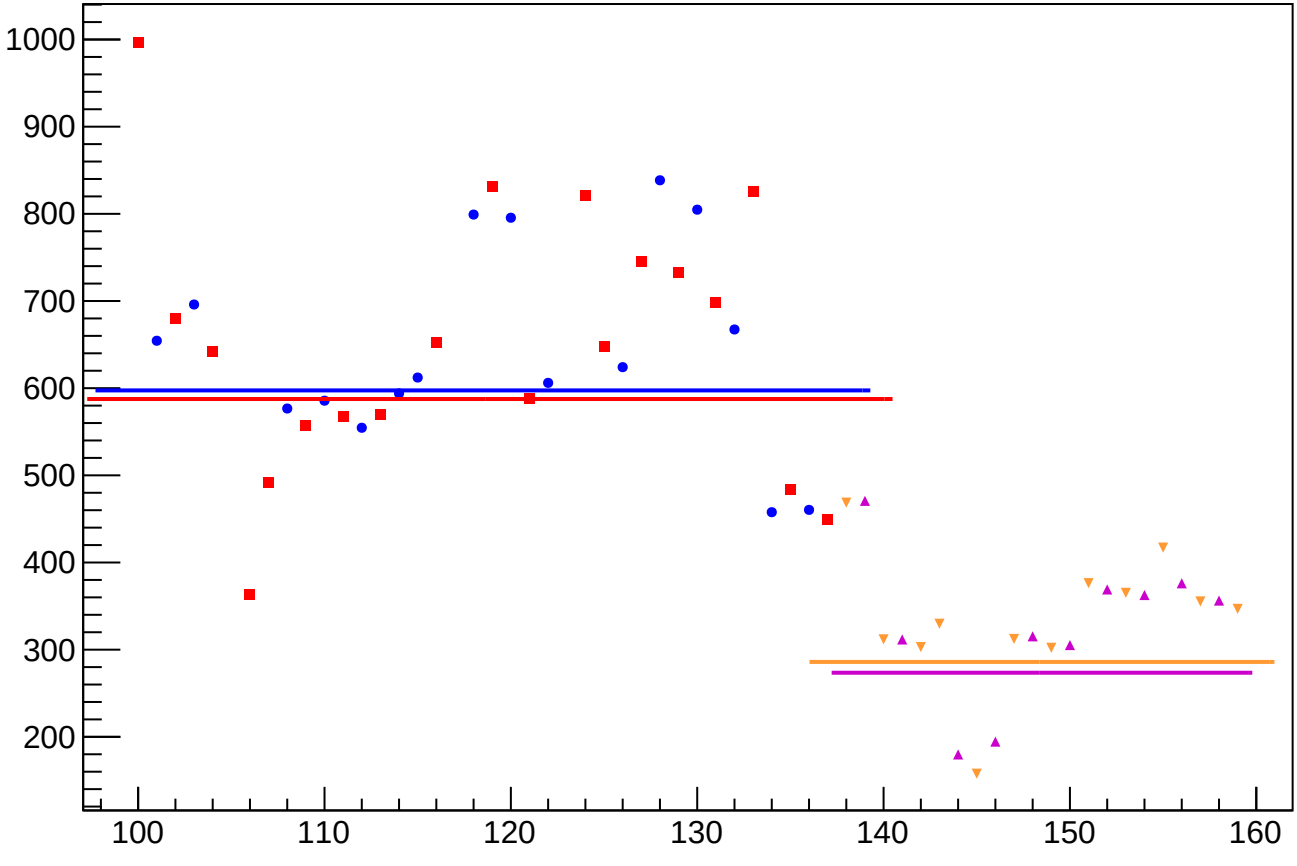
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 49.483+/-90.180 χ^2/NDF:30.7/25

Out: -281.231+/-89.319 χ^2/NDF:63.7/30

All: -117.460+/-63.460 χ^2/NDF: 101.3/56

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: 285.942+/-0.069 χ^2/NDF:1811979.3/11

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 273.551+/-0.069 χ^2/NDF:1522273.4/9

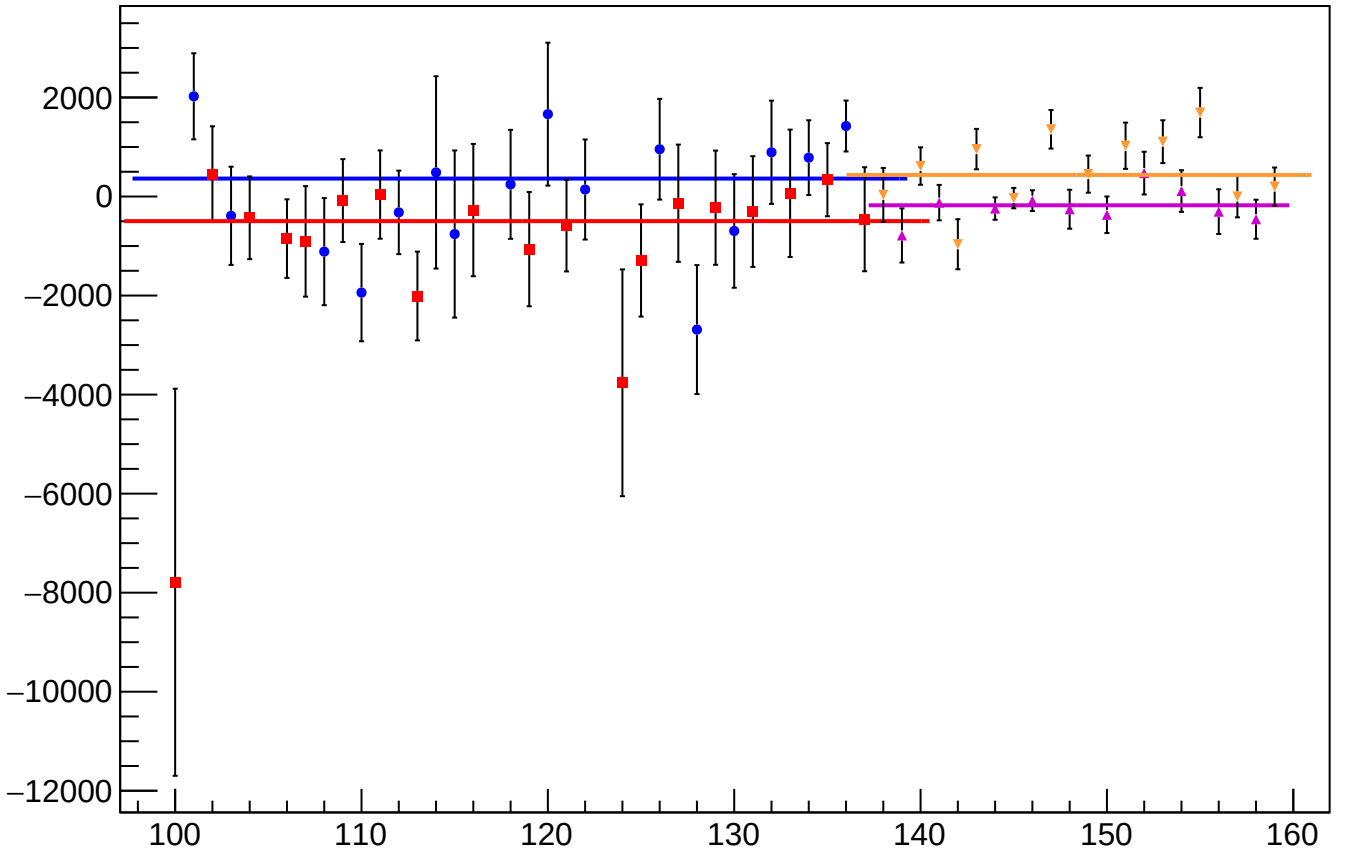
Left: 279.781+/-0.049 χ^2/NDF: 3350262.7/21

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 324.314+/-0.064 χ^2/NDF:5465779.8/25

Out: 335.253+/-0.063 χ^2/NDF:5620079.0/30

All: 329.836+/-0.045 χ^2/NDF: 11100714.7/56



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 435.812+/-109.145 χ^2/NDF:32.6/11

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -177.279+/-105.572 χ^2/NDF:5.2/9

Left: 119.068+/-75.882 χ^2/NDF: 54.1/21

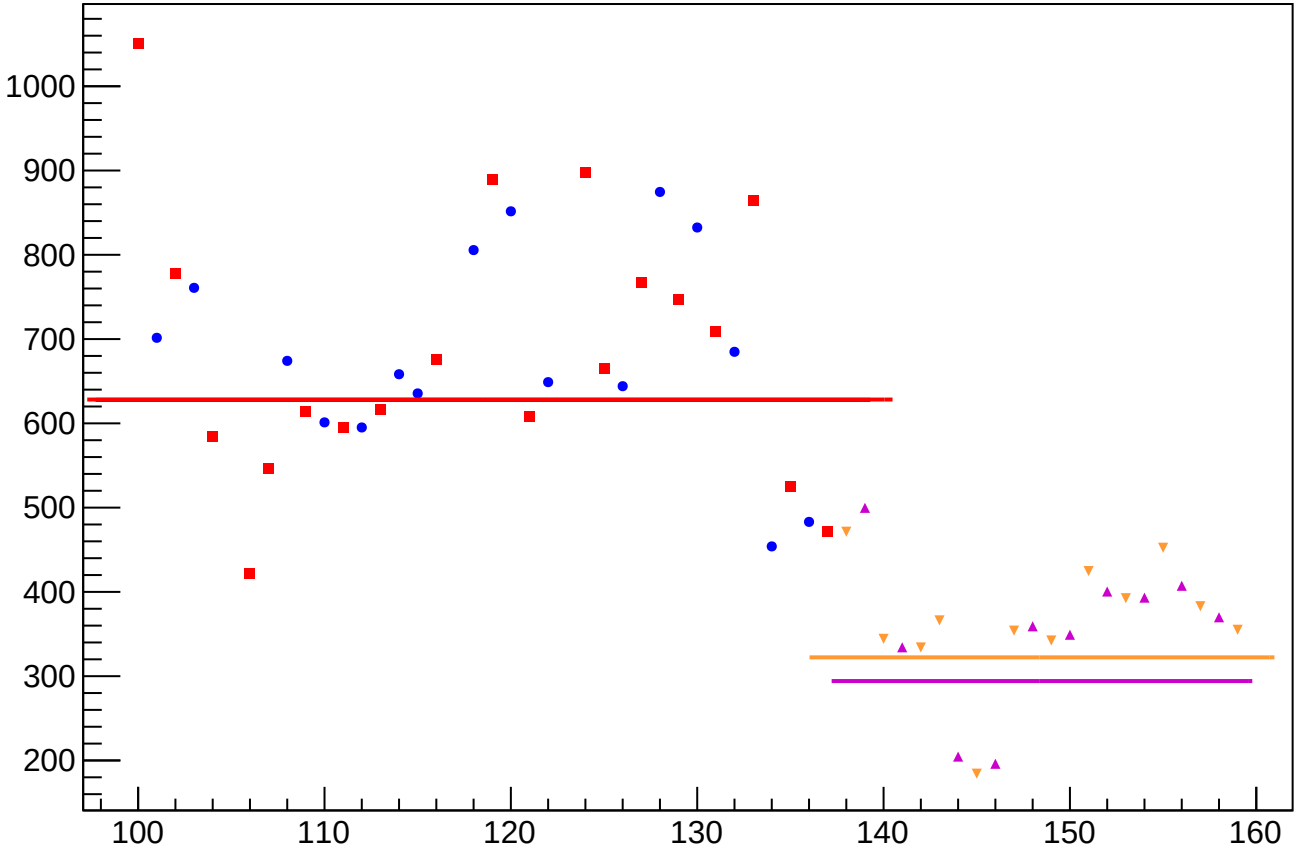
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -89.970+/-96.656 χ^2/NDF:34.5/25

Out: 271.547+/-99.066 χ^2/NDF:58.2/30

All: 86.337+/-69.182 χ^2/NDF: 99.5/56

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 322.327+/-0.077 χ^2/NDF:1439138.8/11

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 294.219+/-0.075 χ^2/NDF:1591448.7/9

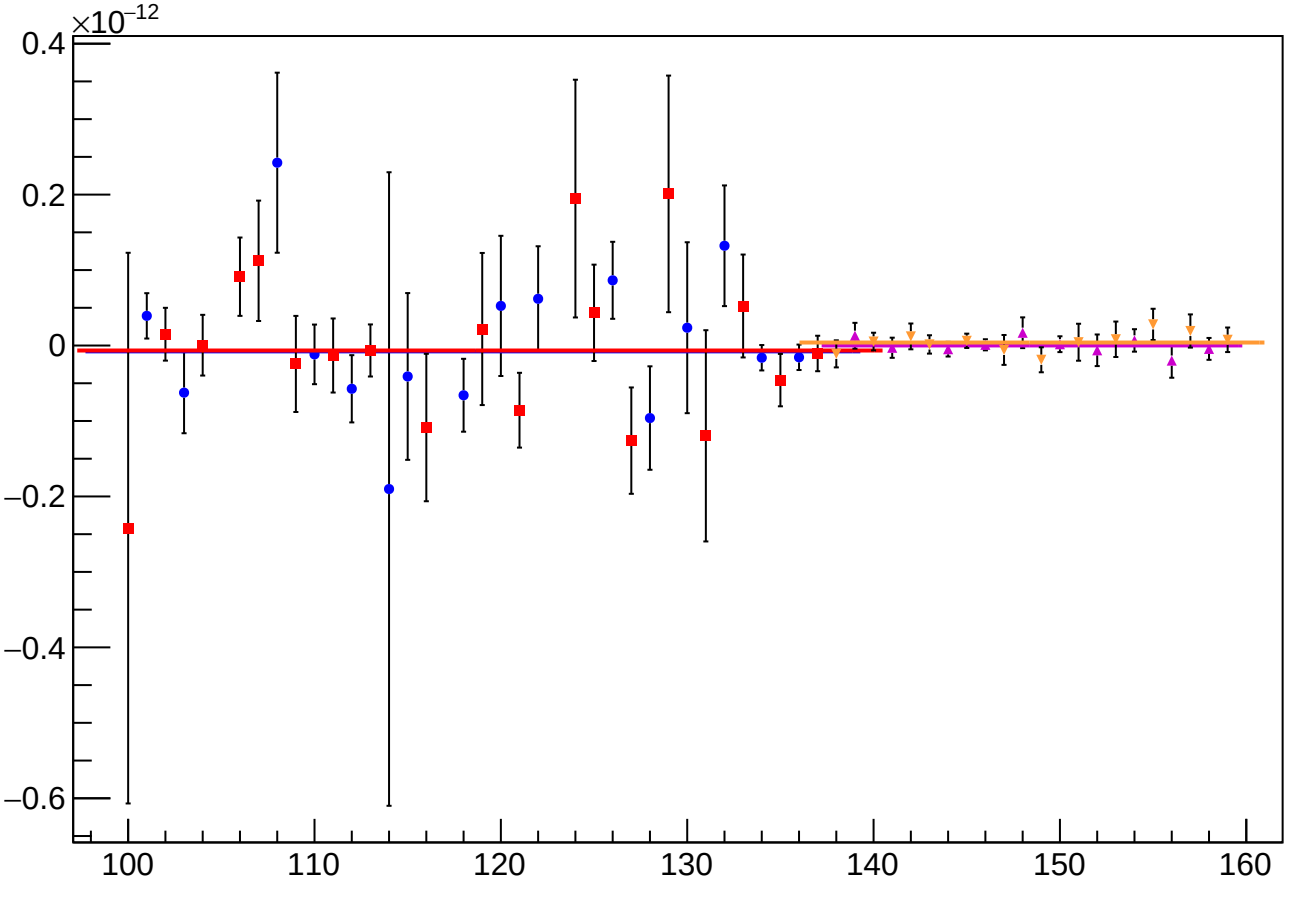
Left: 307.806+/-0.054 χ^2/NDF: 3099114.5/21

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 348.203+/-0.068 χ^2/NDF:5390597.5/25

Out: 376.220+/-0.070 χ^2/NDF:4778105.2/30

All: 361.866+/-0.049 χ^2/NDF: 10250654.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/9

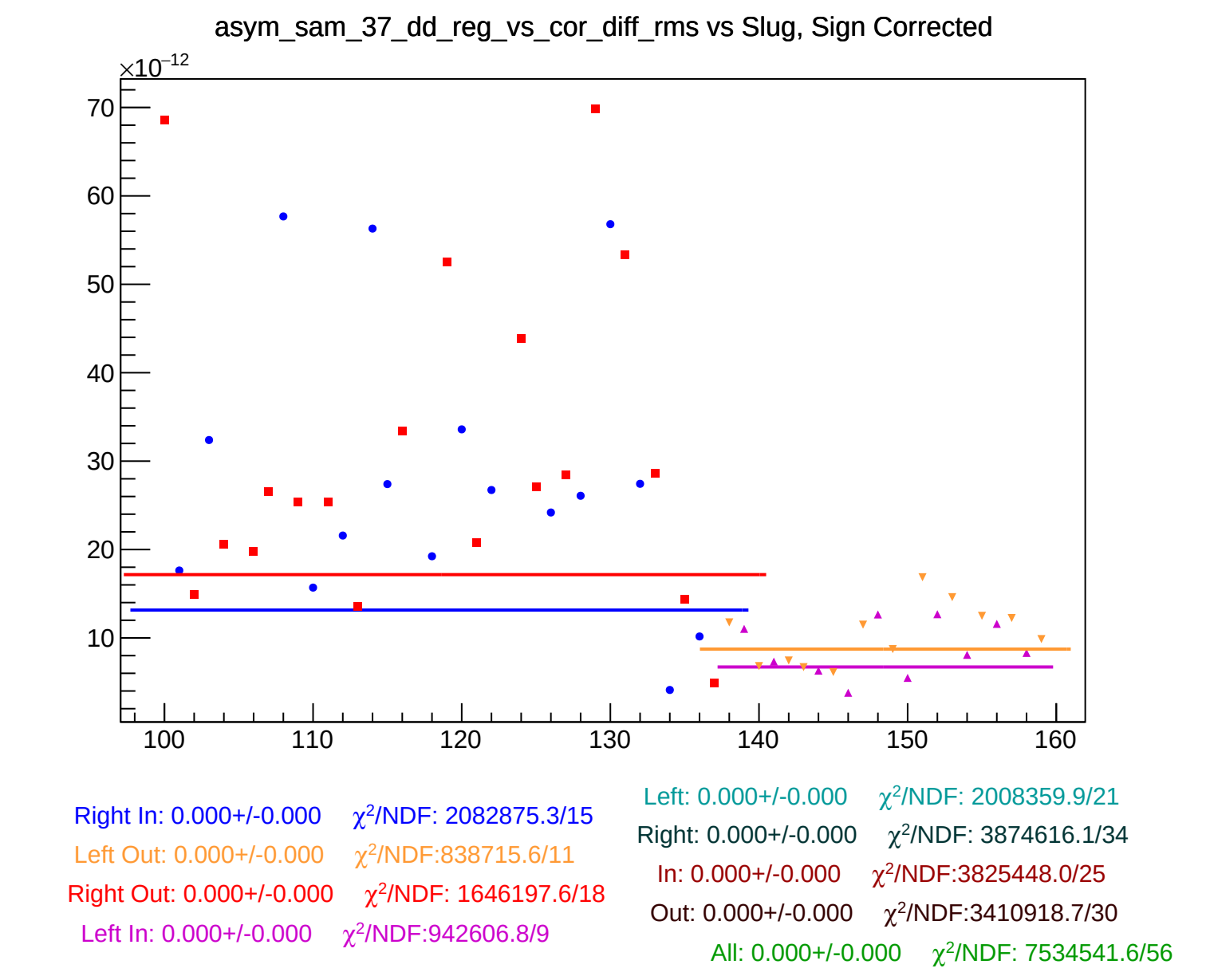
Left: 0.000+/-0.000 χ^2/NDF: 8.3/21

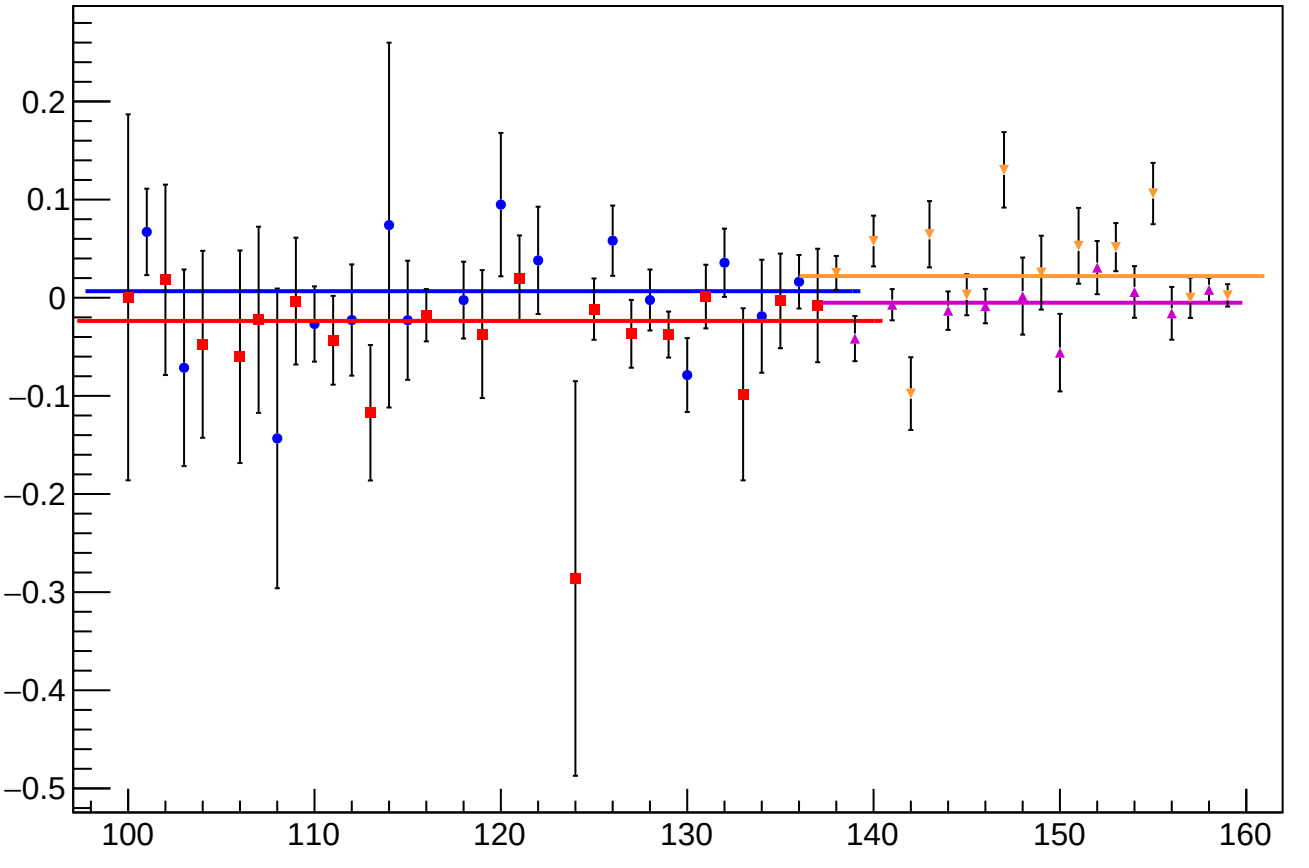
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:24.3/25

Out: 0.000+/-0.000 χ^2/NDF:25.8/30

All: 0.000+/-0.000 χ^2/NDF: 50.6/56


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
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:838715.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:942606.8/9
Left: 0.000+/-0.000 χ²/NDF: 2008359.9/21
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3825448.0/25
Out: 0.000+/-0.000 χ²/NDF:3410918.7/30
All: 0.000+/-0.000 χ²/NDF: 7534541.6/56



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

Left: 0.008+/-0.005 χ^2/NDF: 52.6/21

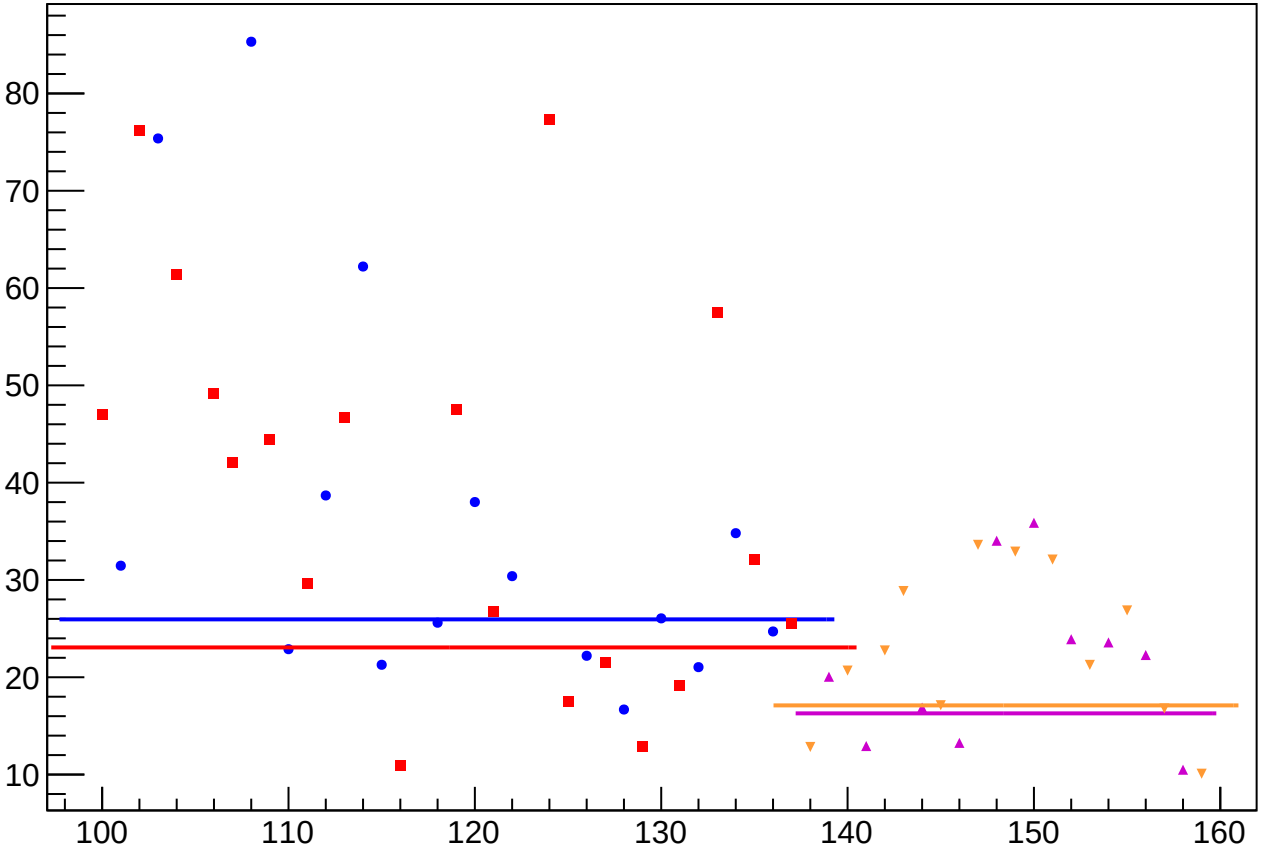
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.004+/-0.004 χ^2/NDF: 83.0/56

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: 17.108+/-0.005 χ^2/NDF:2483212.6/11

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

Left: 16.695+/-0.003 χ^2/NDF: 4464338.8/21

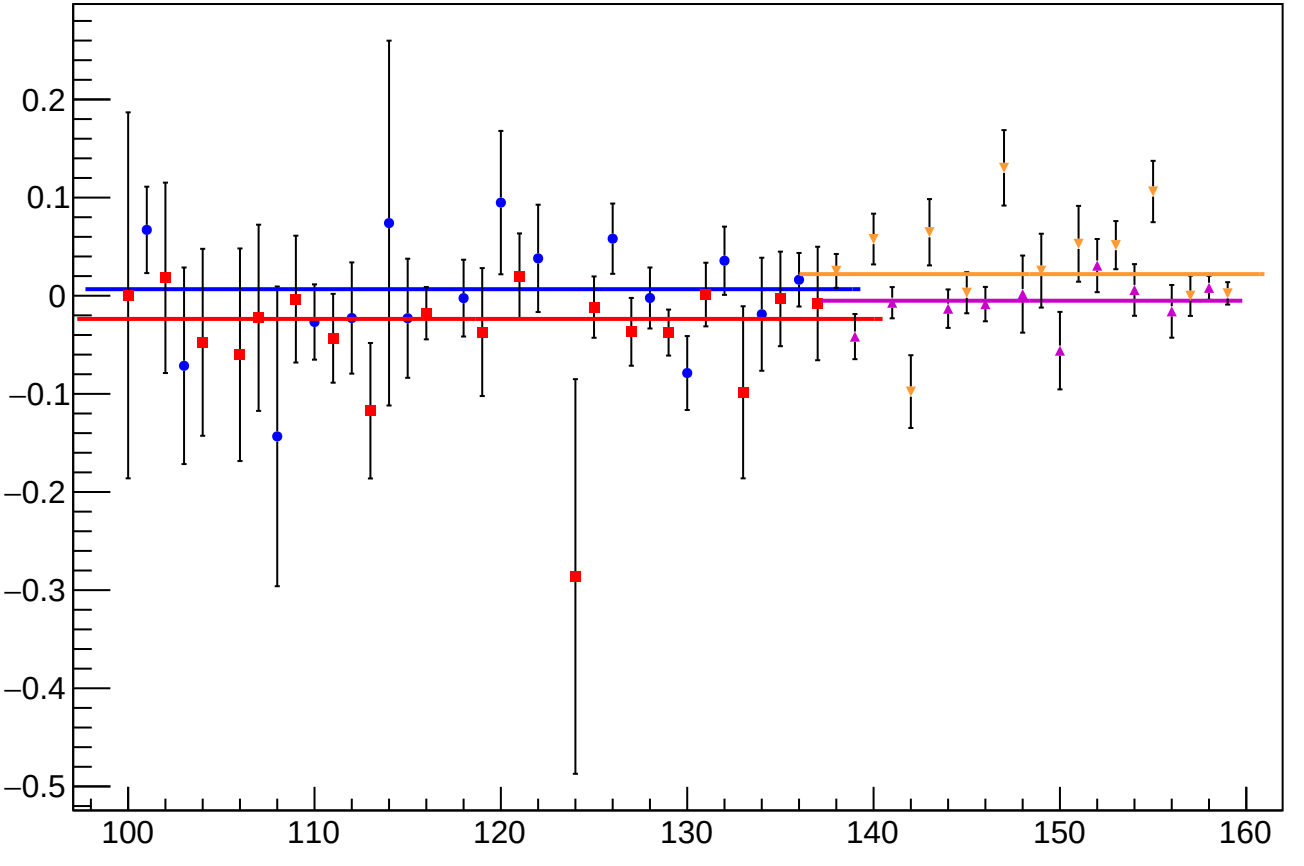
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 18.739+/-0.004 χ^2/NDF:4477650.7/25

Out: 18.765+/-0.004 χ^2/NDF:6308629.6/30

All: 18.752+/-0.003 χ^2/NDF: 10786302.3/56

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: 0.022+/-0.007 χ^2/NDF:36.2/11

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

Left: 0.008+/-0.005 χ^2/NDF: 52.6/21

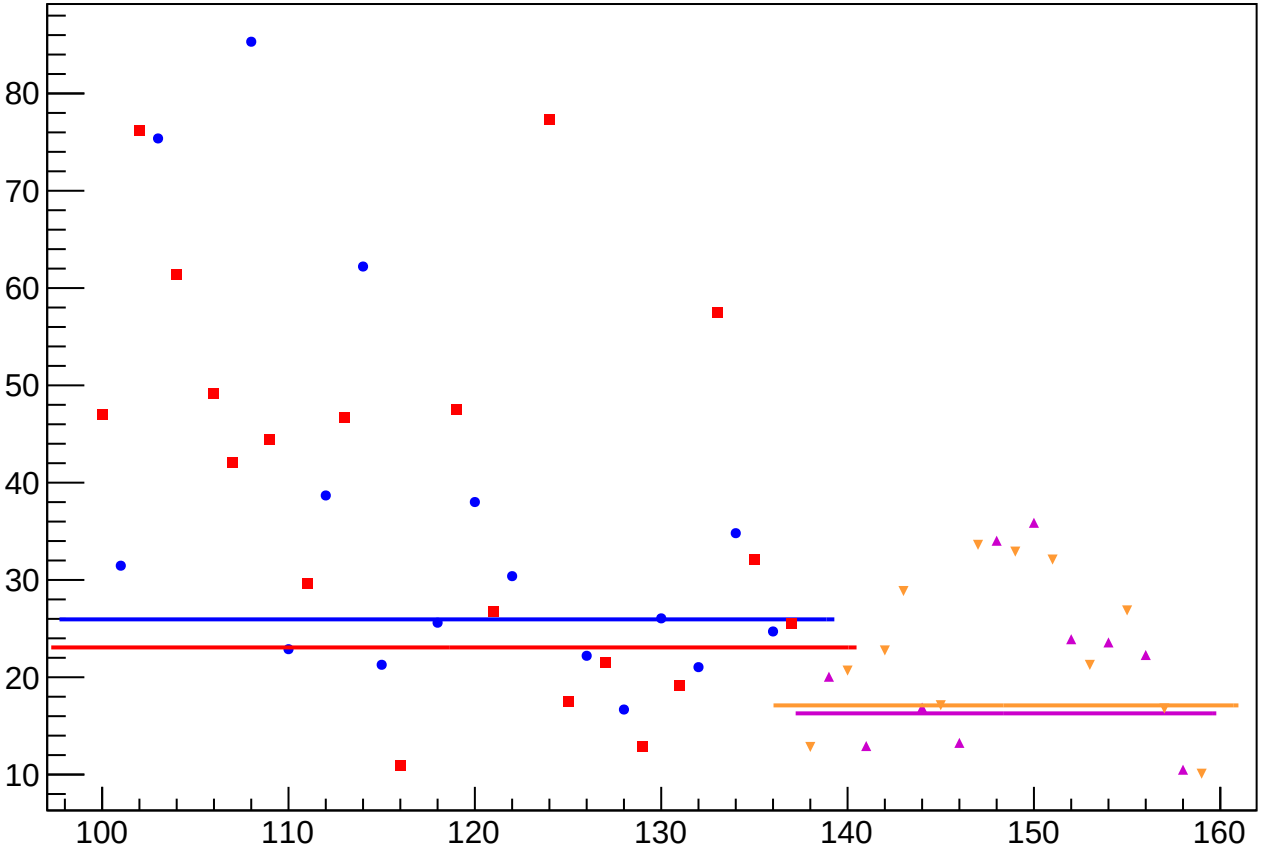
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.004+/-0.004 χ^2/NDF: 83.0/56

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.108+/-0.005 χ^2/NDF:2483212.6/11

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

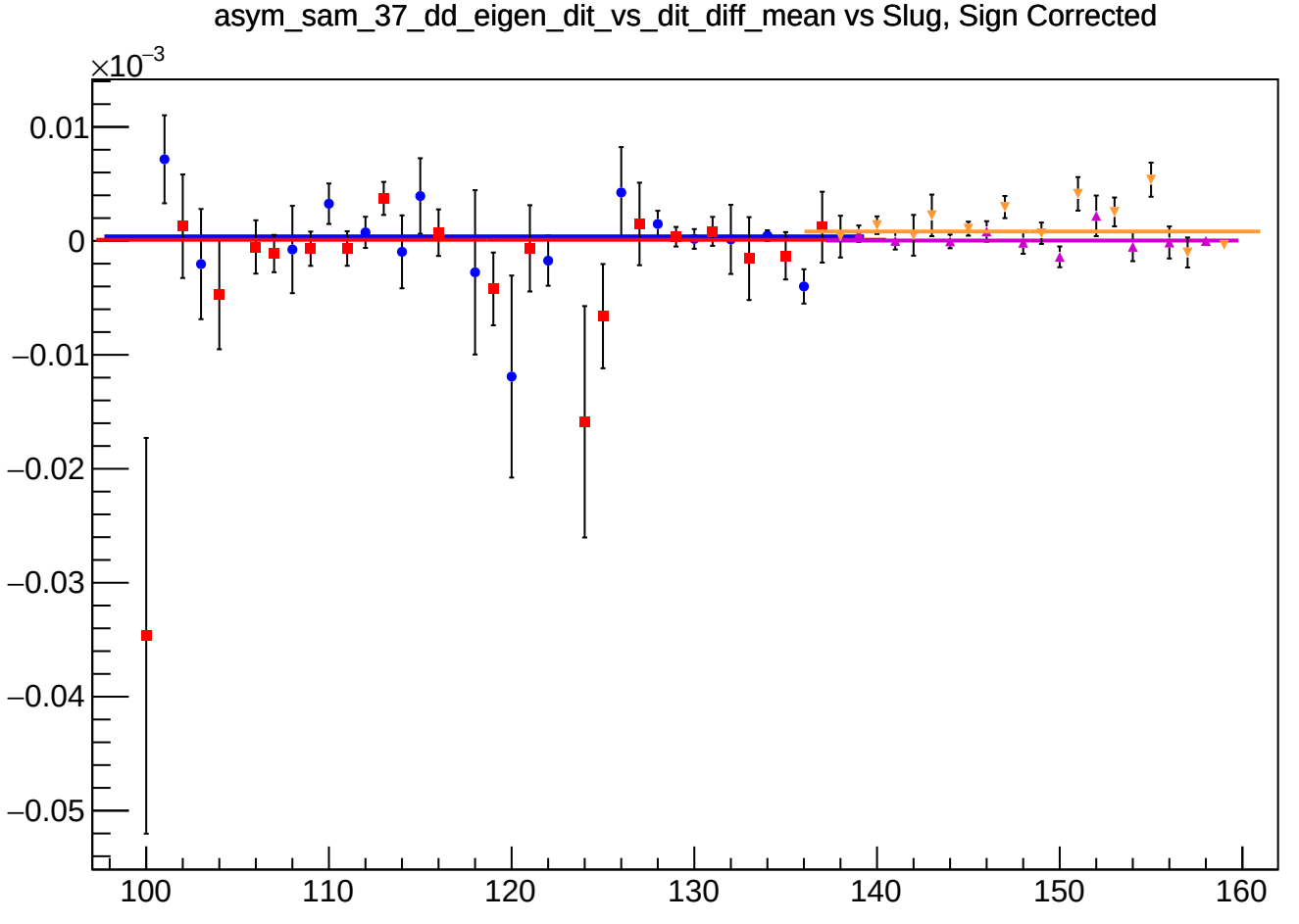
Left: 16.695+/-0.003 χ^2/NDF: 4464338.8/21

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 18.739+/-0.004 χ^2/NDF:4477650.7/25

Out: 18.765+/-0.004 χ^2/NDF:6308629.6/30

All: 18.752+/-0.003 χ^2/NDF: 10786302.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/9

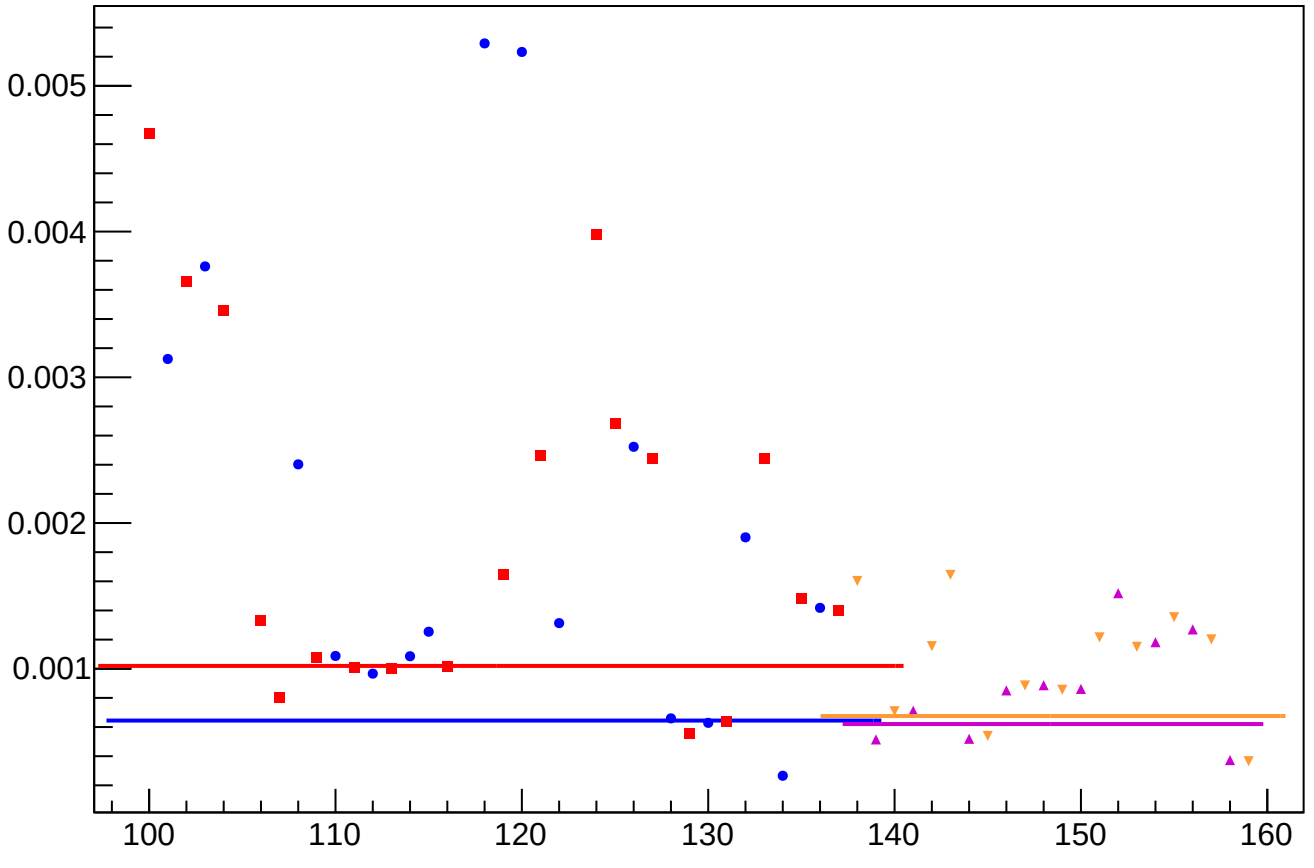
Left: 0.000+/-0.000 χ^2/NDF: 43.9/21

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:27.3/25

Out: 0.000+/-0.000 χ^2/NDF:55.4/30

All: 0.000+/-0.000 χ^2/NDF: 85.6/56



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:3999880.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2623330.2/9

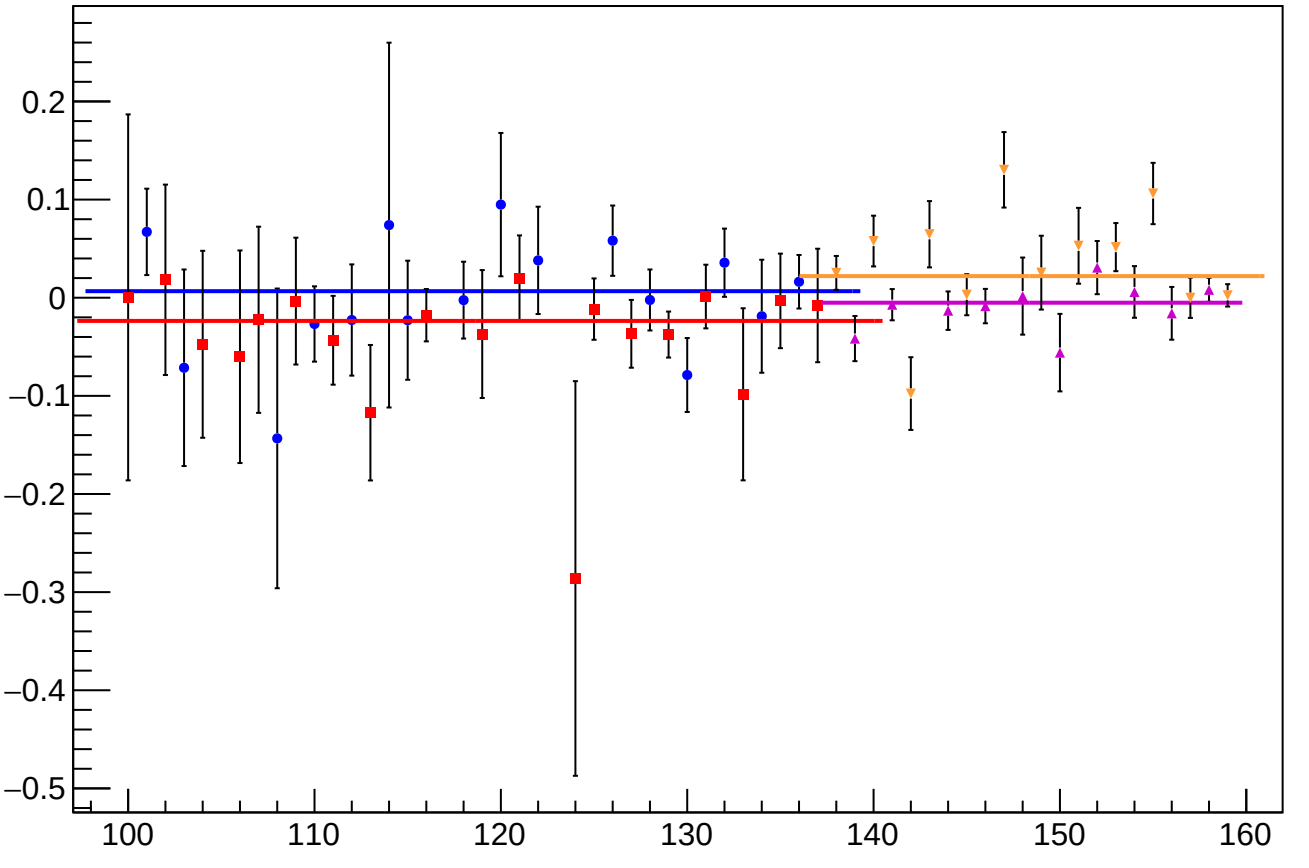
Left: 0.001+/-0.000 χ^2/NDF: 6673460.2/21

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:9205595.9/25

Out: 0.001+/-0.000 χ^2/NDF:8554355.9/30

All: 0.001+/-0.000 χ^2/NDF: 18141472.4/56



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

Left: 0.008+/-0.005 χ^2/NDF: 52.6/21

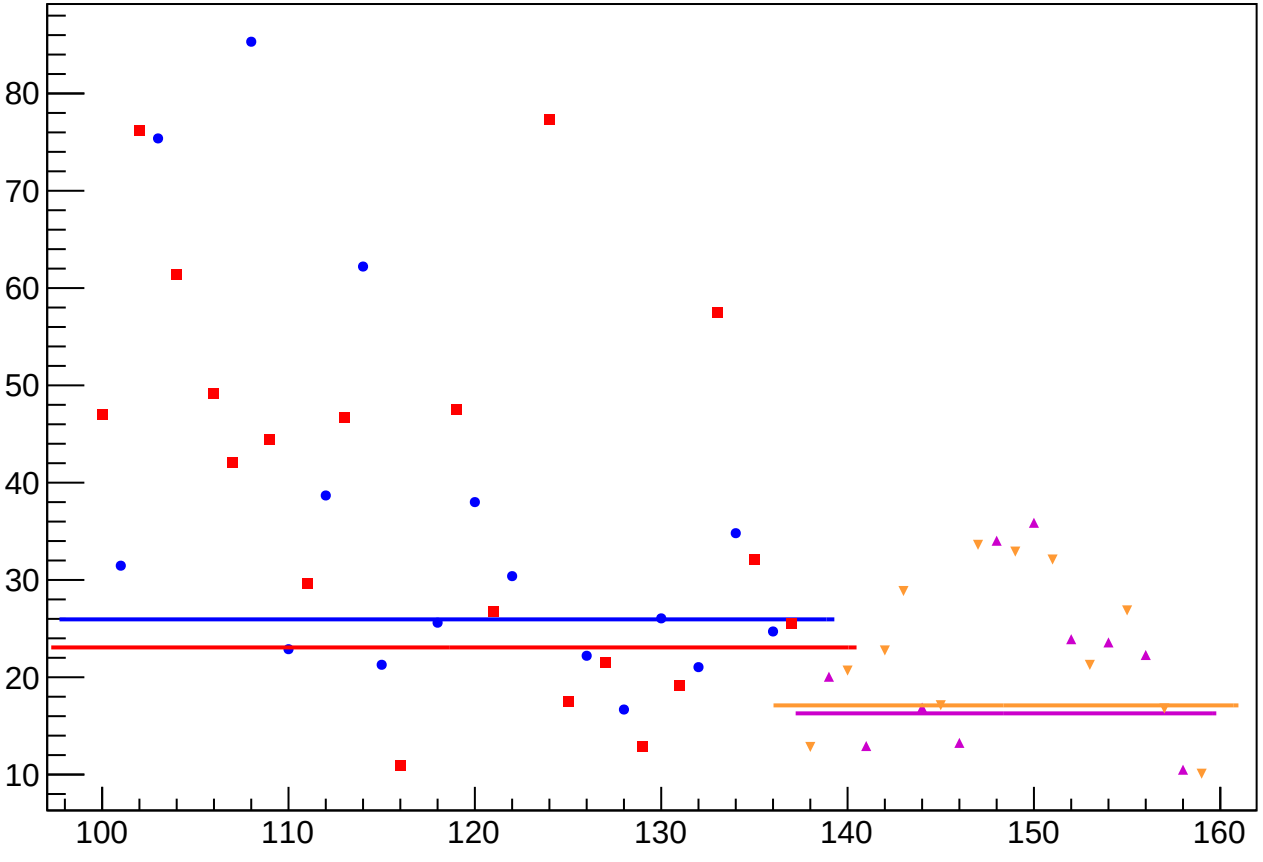
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.004+/-0.004 χ^2/NDF: 83.0/56

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: 17.109+/-0.005 χ^2/NDF:2483363.0/11

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

Left: 16.696+/-0.003 χ^2/NDF: 4464582.7/21

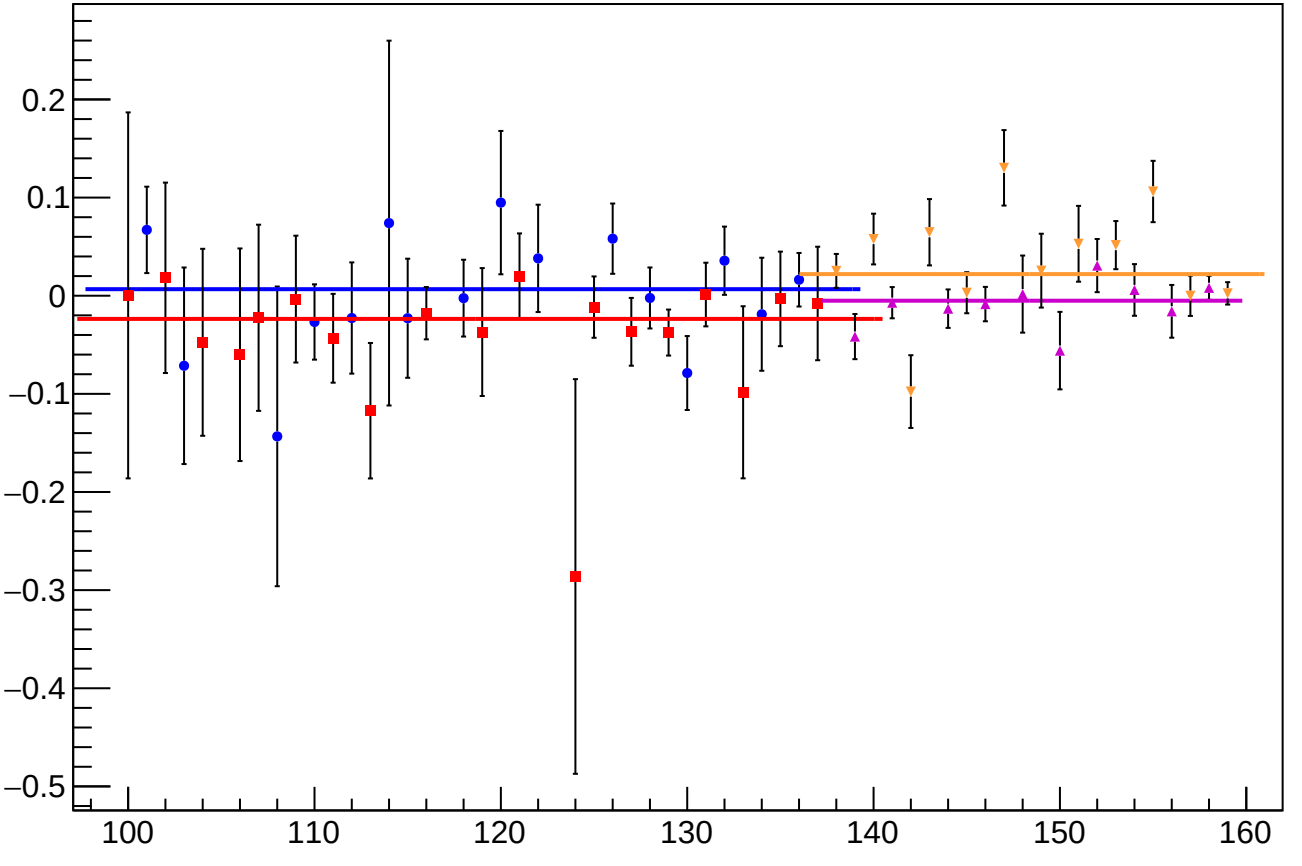
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 18.739+/-0.004 χ^2/NDF:4477699.8/25

Out: 18.765+/-0.004 χ^2/NDF:6308622.3/30

All: 18.752+/-0.003 χ^2/NDF: 10786344.2/56

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

Left: 0.008+/-0.005 χ^2/NDF: 52.6/21

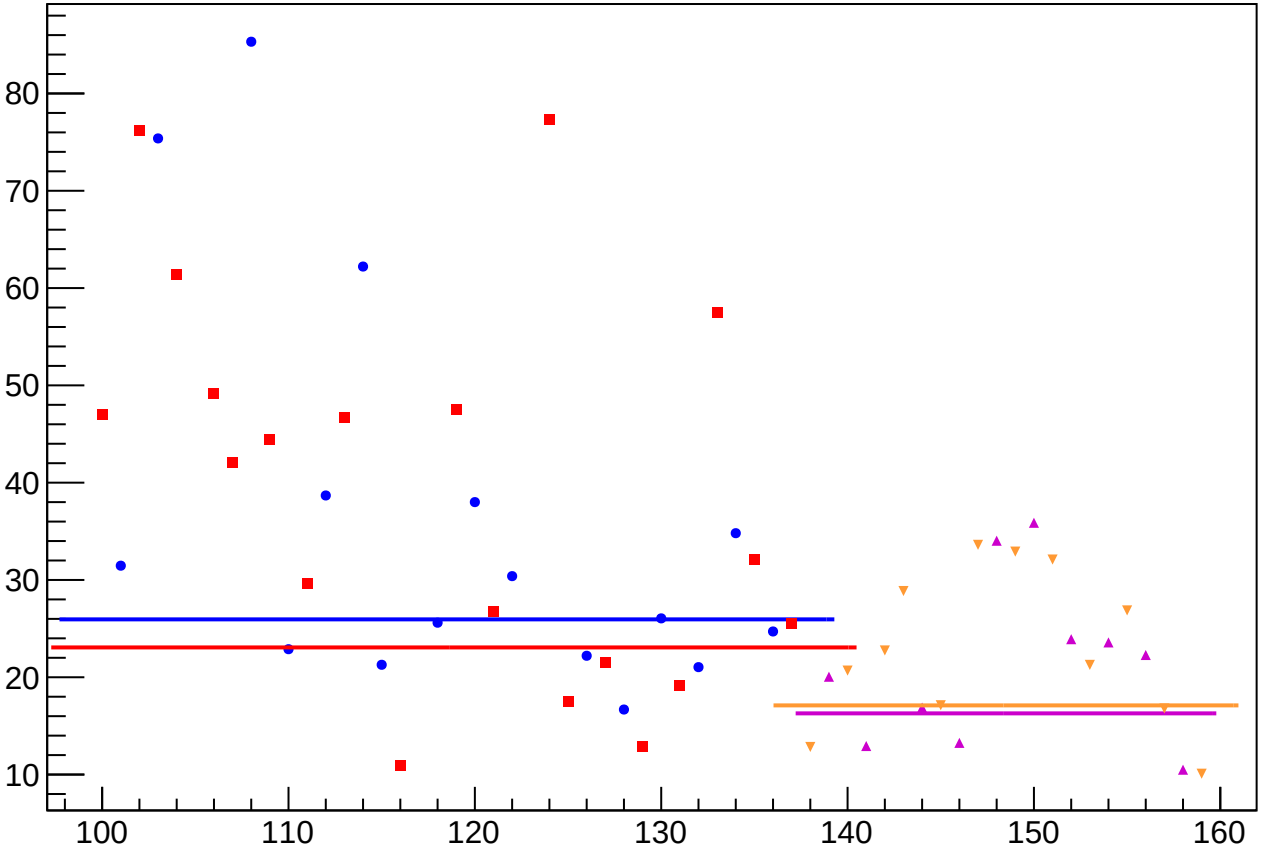
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.004+/-0.004 χ^2/NDF: 83.0/56

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: 17.109+/-0.005 χ^2/NDF:2483363.0/11

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

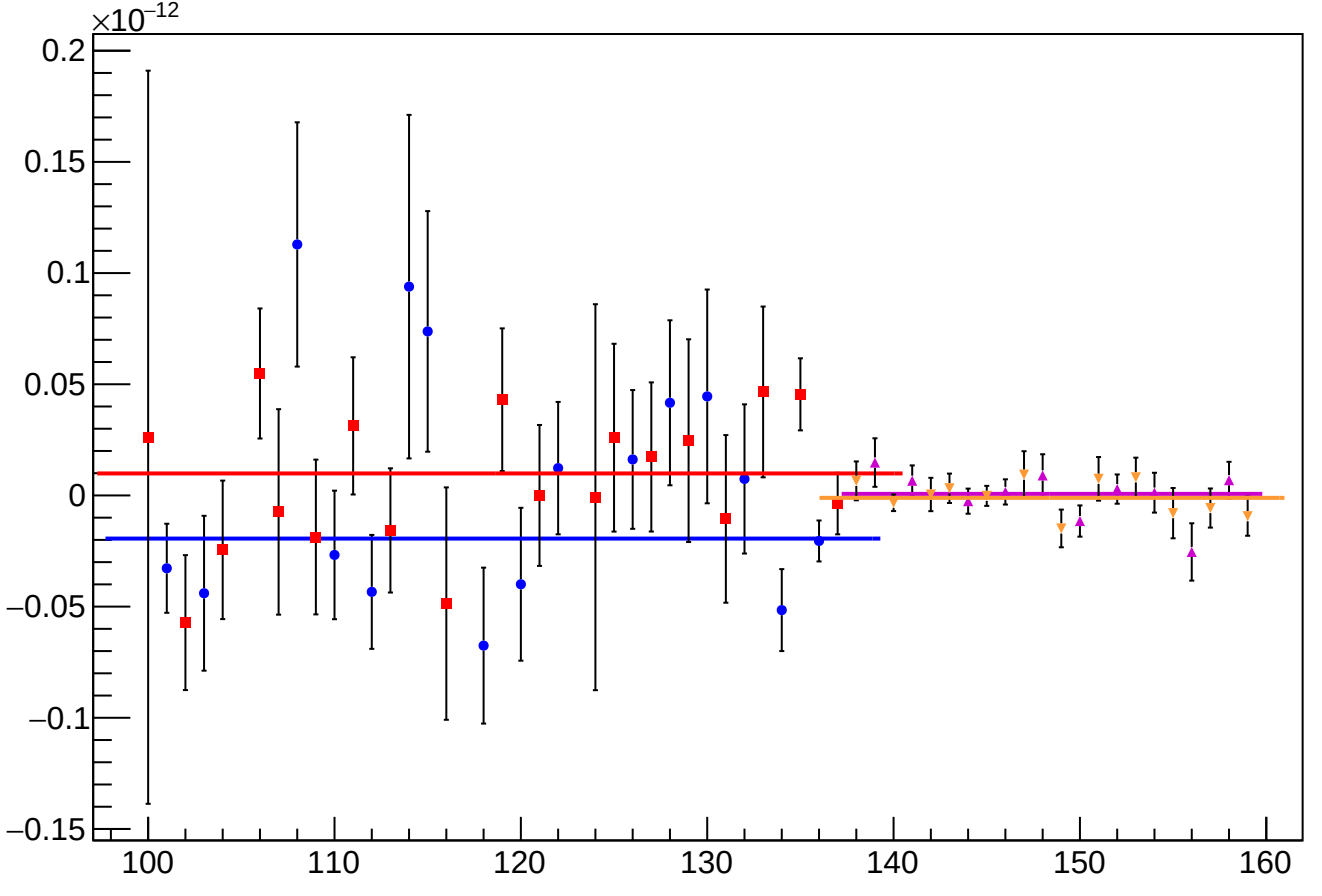
Left: 16.696+/-0.003 χ^2/NDF: 4464582.7/21

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 18.739+/-0.004 χ^2/NDF:4477699.8/25

Out: 18.765+/-0.004 χ^2/NDF:6308622.3/30

All: 18.752+/-0.003 χ^2/NDF: 10786344.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/9

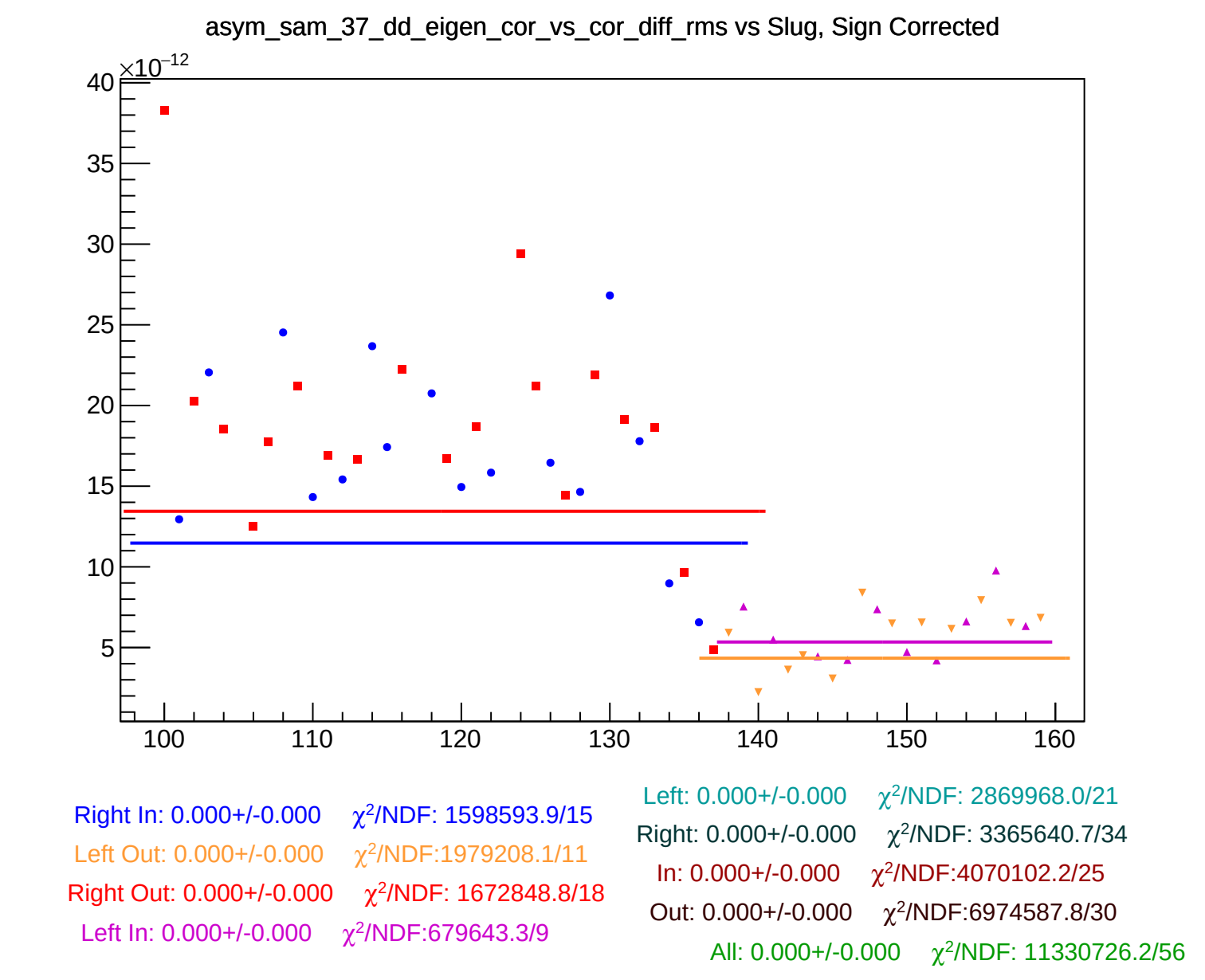
Left: -0.000+/-0.000 χ^2/NDF: 20.3/21

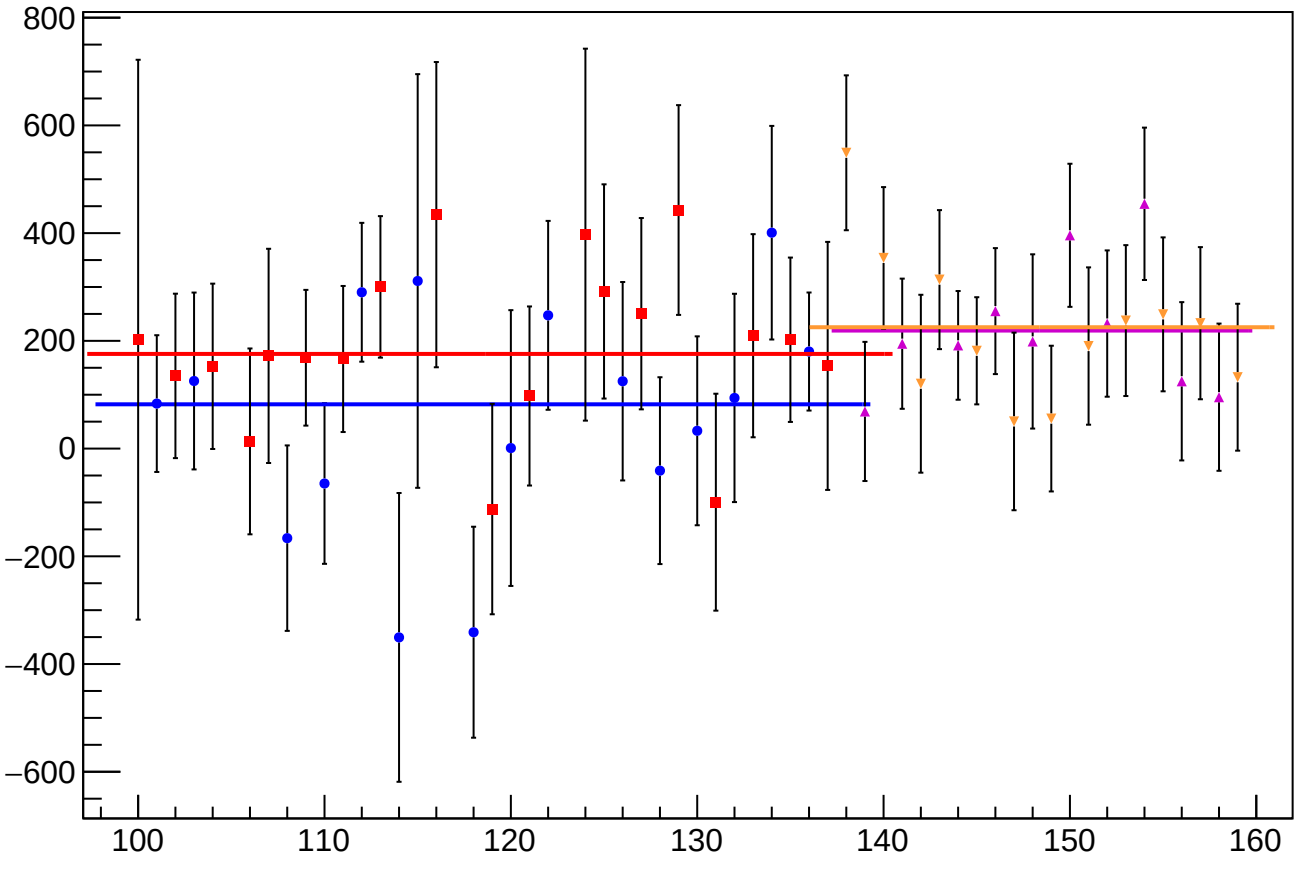
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:46.6/25

Out: -0.000+/-0.000 χ^2/NDF:31.4/30

All: -0.000+/-0.000 χ^2/NDF: 78.3/56


asym_sam_37_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1979208.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:679643.3/9
Left: 0.000+/-0.000 χ²/NDF: 2869968.0/21
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:4070102.2/25
Out: 0.000+/-0.000 χ²/NDF:6974587.8/30
All: 0.000+/-0.000 χ²/NDF: 11330726.2/56



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 225.280+/-39.339 χ^2/NDF:10.4/11

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 219.117+/-40.871 χ^2/NDF:7.4/9

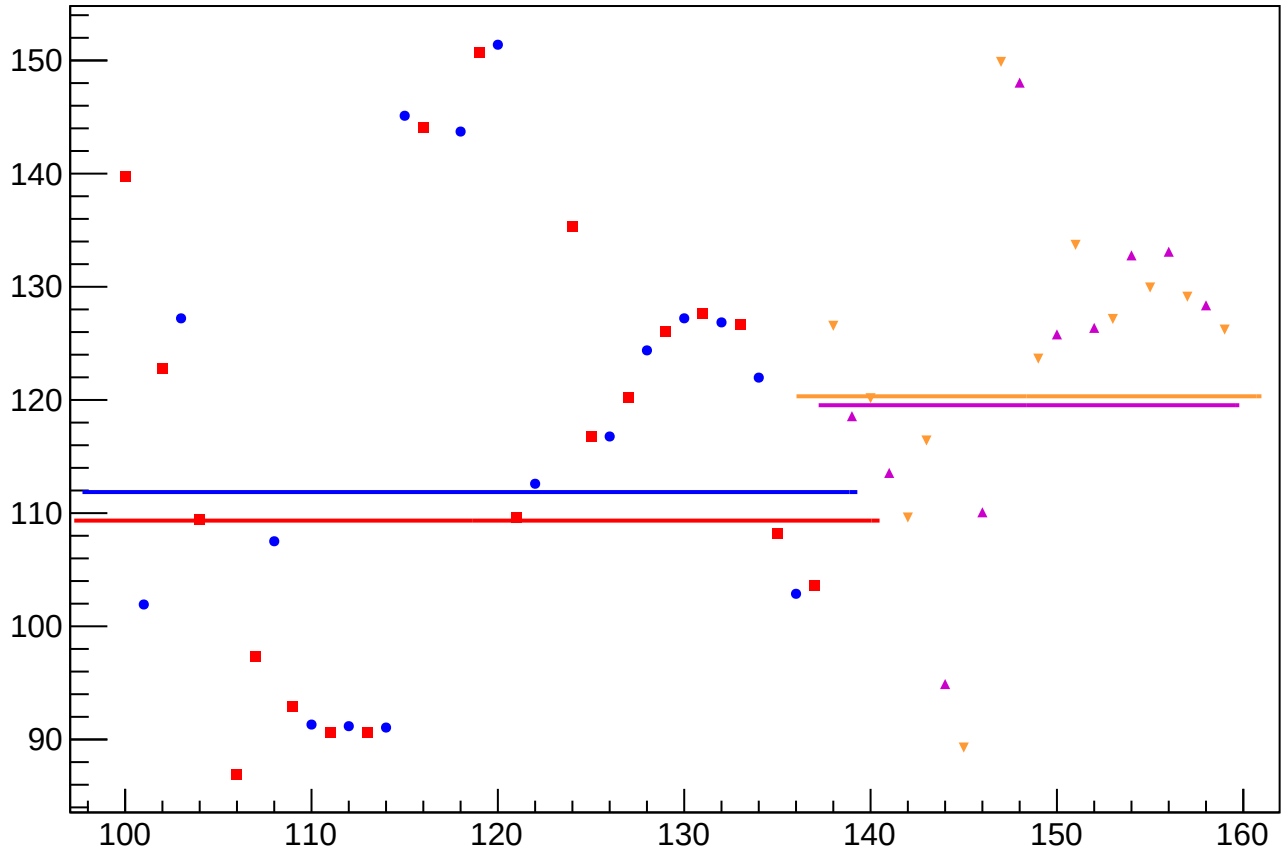
Left: 222.316+/-28.343 χ^2/NDF: 17.7/21

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 152.739+/-29.336 χ^2/NDF:31.2/25

Out: 201.332+/-28.277 χ^2/NDF:21.0/30

All: 177.928+/-20.359 χ^2/NDF: 53.6/56



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 120.324+/-0.028 χ^2/NDF:316322.0/11

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

Left: 119.945+/-0.020 χ^2/NDF: 568528.1/21

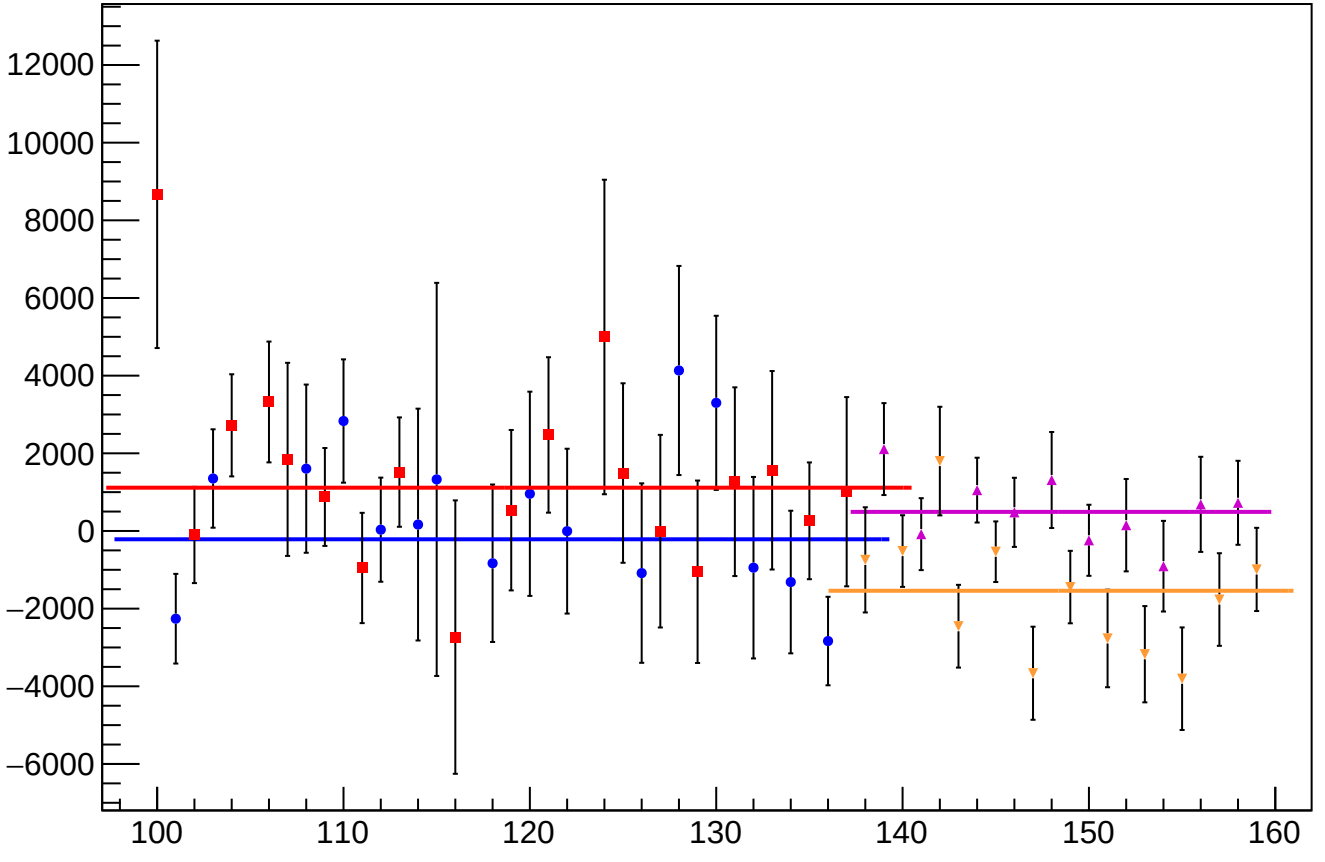
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 115.815+/-0.021 χ^2/NDF:592019.4/25

Out: 115.015+/-0.020 χ^2/NDF:758898.8/30

All: 115.401+/-0.014 χ^2/NDF: 1351689.7/56

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1539.739+/-315.766 χ^2/NDF:18.8/11

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 491.663+/-326.388 χ^2/NDF:5.4/9

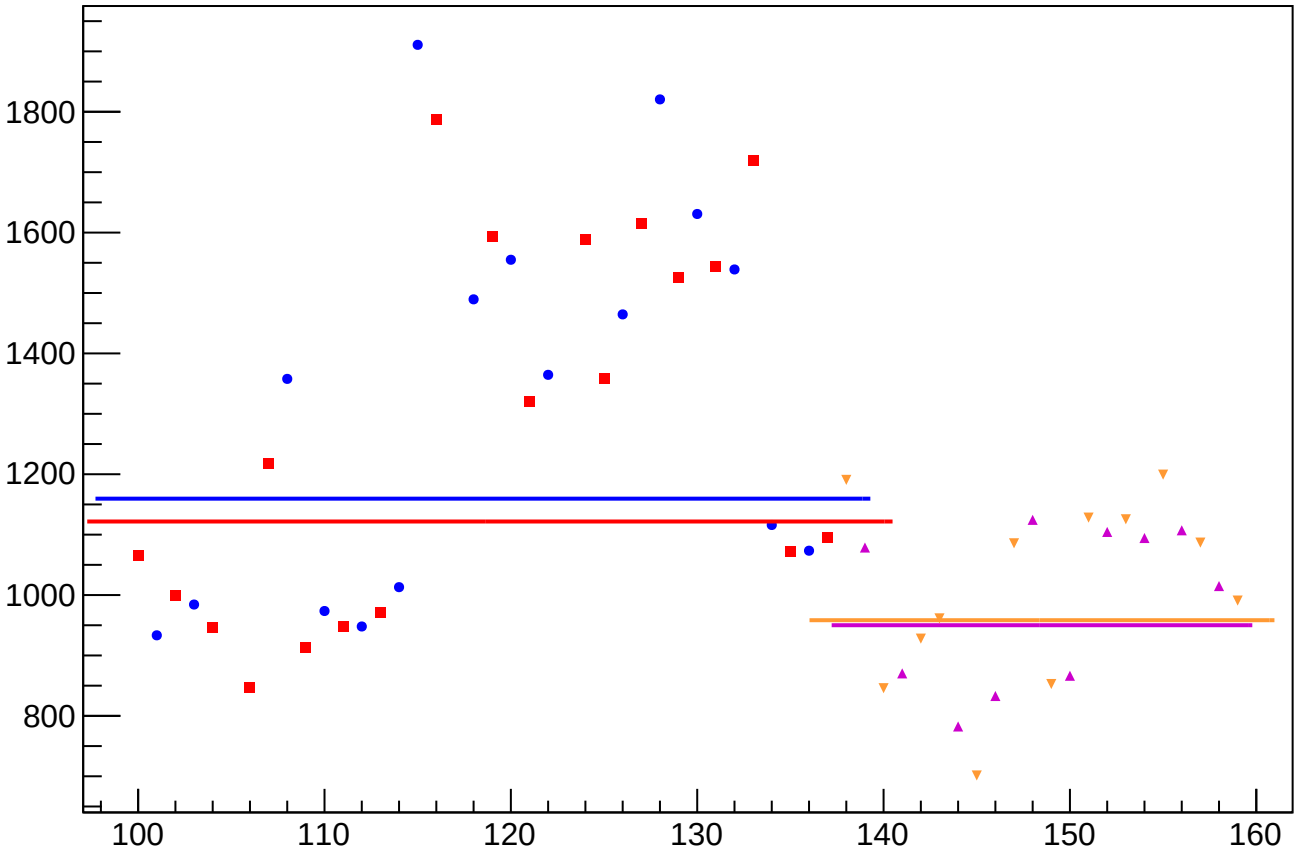
Left: -557.632+/-226.943 χ^2/NDF: 44.1/21

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 244.015+/-262.970 χ^2/NDF:27.5/25

Out: -589.982+/-253.046 χ^2/NDF:58.6/30

All: -189.017+/-182.338 χ^2/NDF: 91.2/56



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 958.353+/-0.223 χ^2/NDF:519144.7/11

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 950.064+/-0.231 χ^2/NDF:314655.7/9

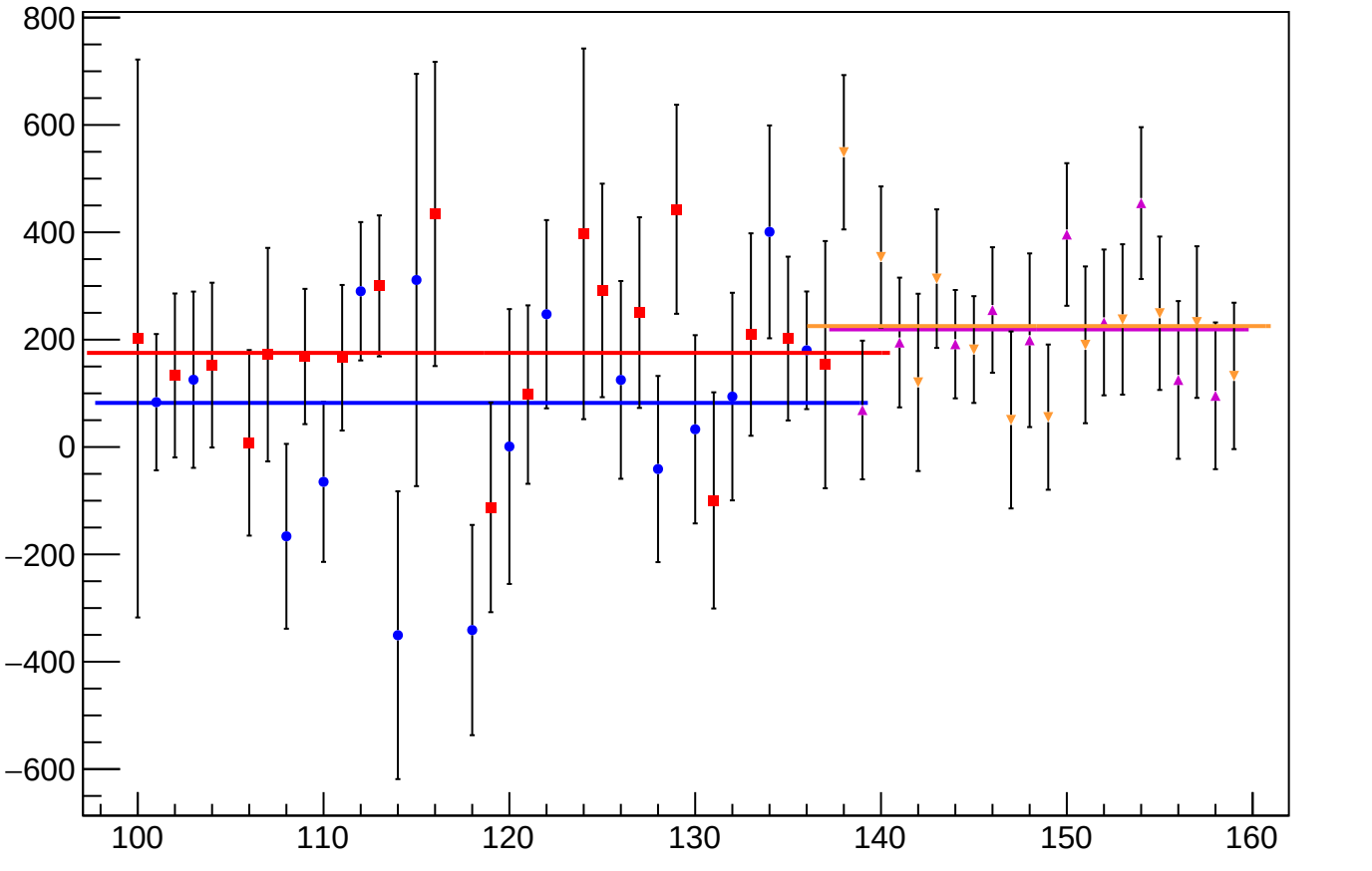
Left: 954.345+/-0.160 χ^2/NDF: 834466.6/21

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1023.568+/-0.186 χ^2/NDF:1287458.6/25

Out: 1016.817+/-0.179 χ^2/NDF:1493036.9/30

All: 1020.063+/-0.129 χ^2/NDF: 2781179.9/56



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 225.281+/-39.339 χ^2/NDF:10.4/11

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 219.120+/-40.871 χ^2/NDF:7.4/9

Left: 222.318+/-28.343 χ^2/NDF: 17.7/21

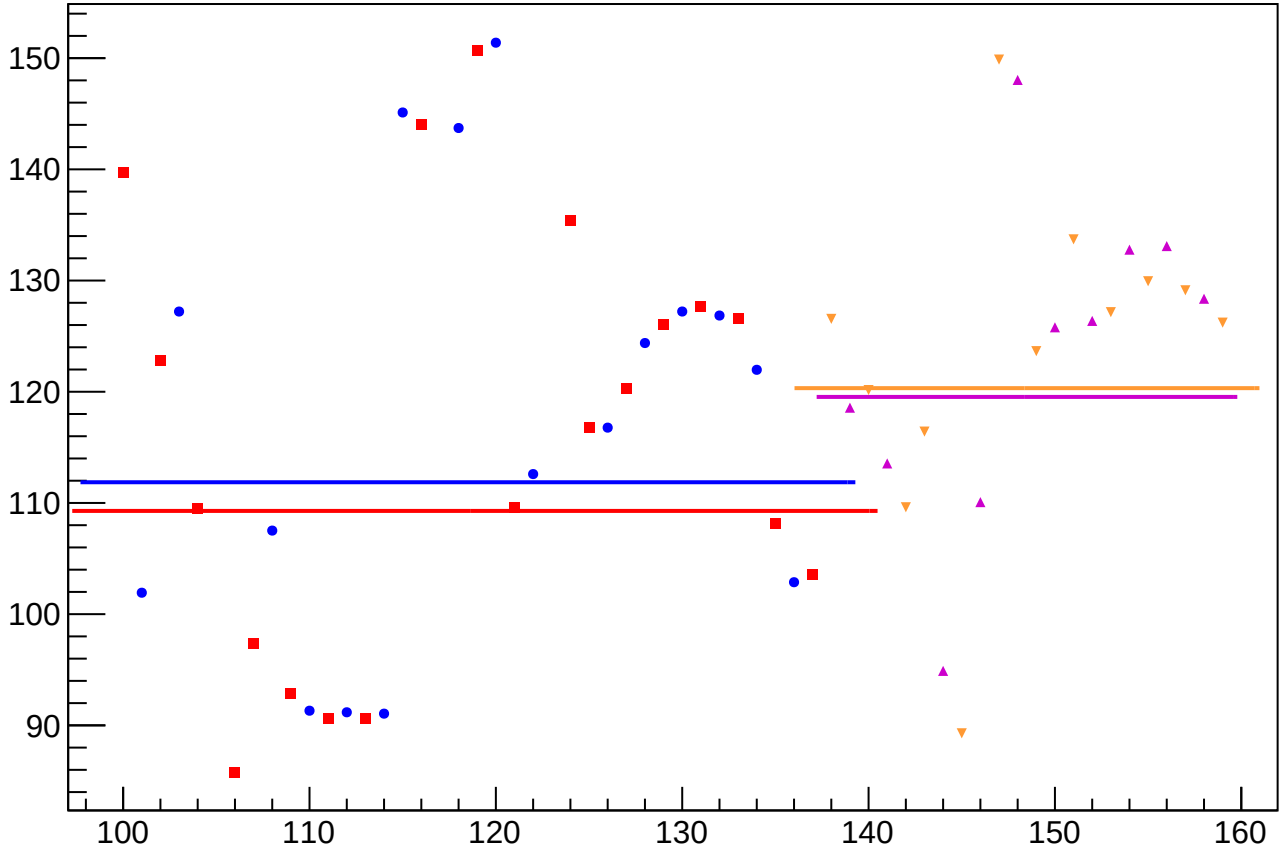
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 152.735+/-29.336 χ^2/NDF:31.2/25

Out: 201.145+/-28.278 χ^2/NDF:21.1/30

All: 177.828+/-20.360 χ^2/NDF: 53.6/56

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.324+/-0.028 χ^2/NDF:316322.0/11

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

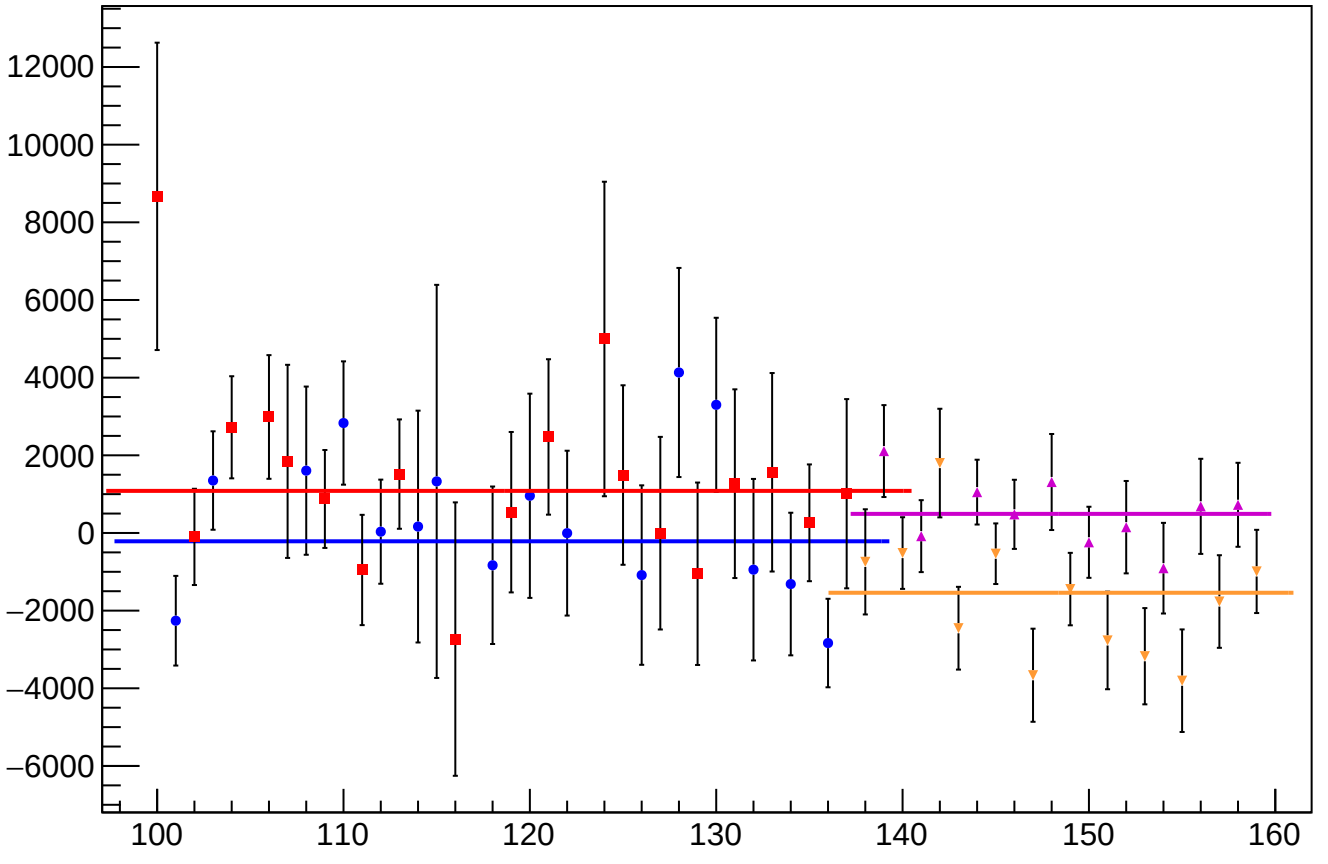
Left: 119.945+/-0.020 χ^2/NDF: 568528.1/21

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 115.815+/-0.021 χ^2/NDF:592020.3/25

Out: 114.989+/-0.020 χ^2/NDF:763151.9/30

All: 115.387+/-0.014 χ^2/NDF: 1355995.3/56



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1539.738+/-315.766 χ^2/NDF:18.8/11

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 491.670+/-326.388 χ^2/NDF:5.4/9

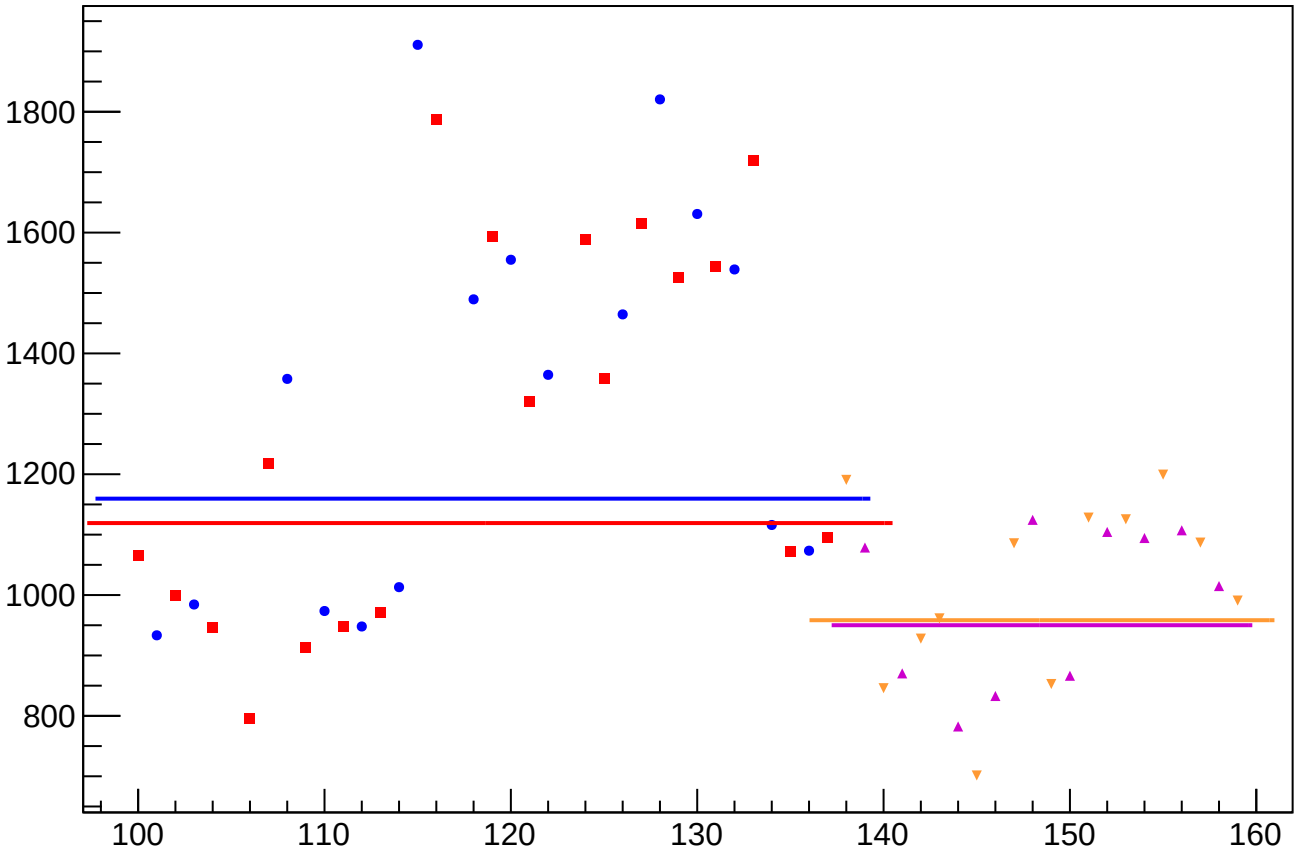
Left: -557.629+/-226.943 χ^2/NDF: 44.1/21

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 243.990+/-262.971 χ^2/NDF:27.5/25

Out: -603.080+/-253.204 χ^2/NDF:57.3/30

All: -195.568+/-182.397 χ^2/NDF: 90.1/56



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 958.353+/-0.223 χ^2/NDF:519146.7/11

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

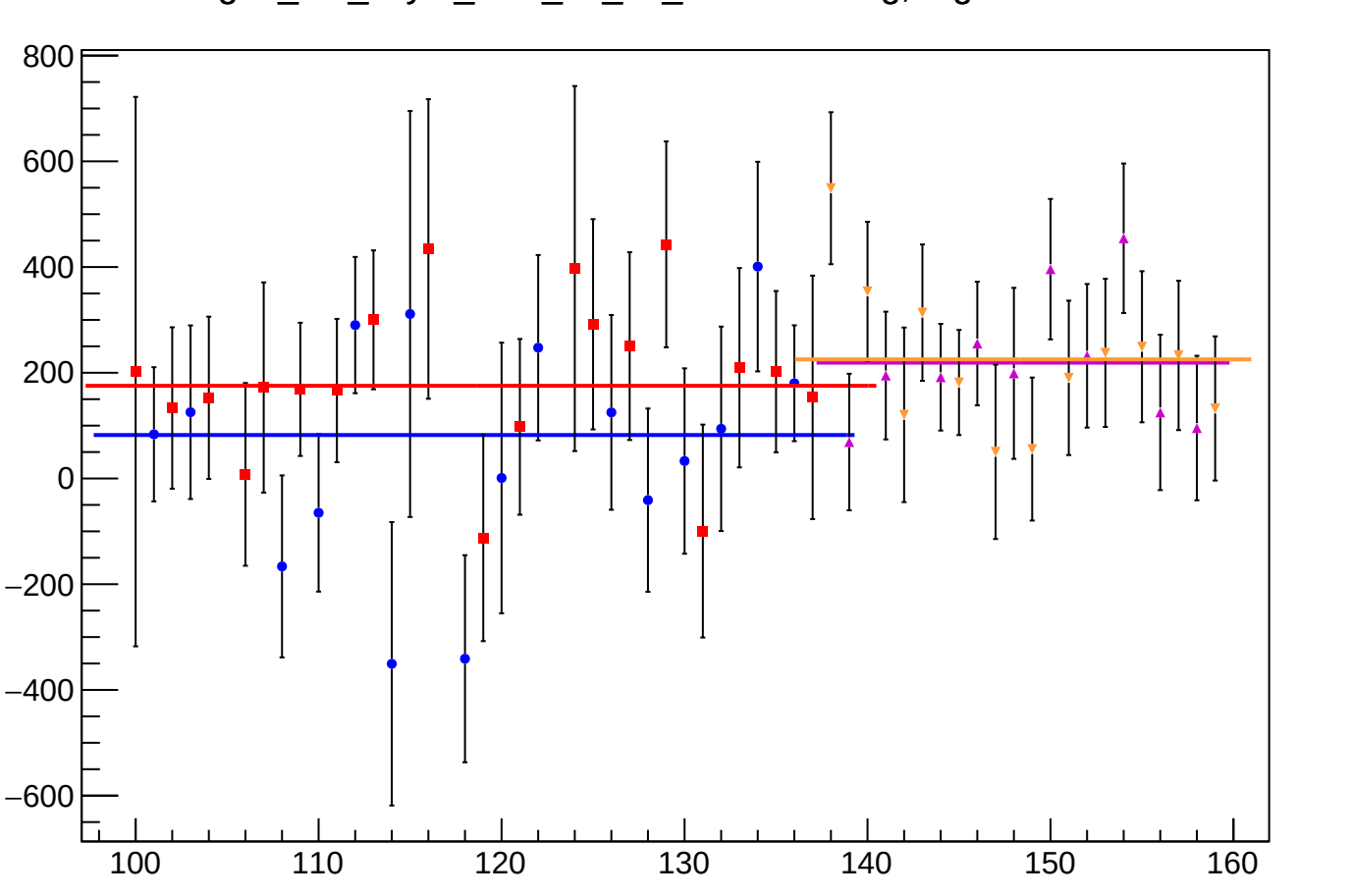
Left: 954.346+/-0.160 χ^2/NDF: 834466.1/21

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1023.571+/-0.186 χ^2/NDF:1287447.8/25

Out: 1015.760+/-0.179 χ^2/NDF:1507466.3/30

All: 1019.518+/-0.129 χ^2/NDF: 2795829.9/56



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 225.281+/-39.339 χ^2/NDF:10.4/11

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 219.120+/-40.871 χ^2/NDF:7.4/9

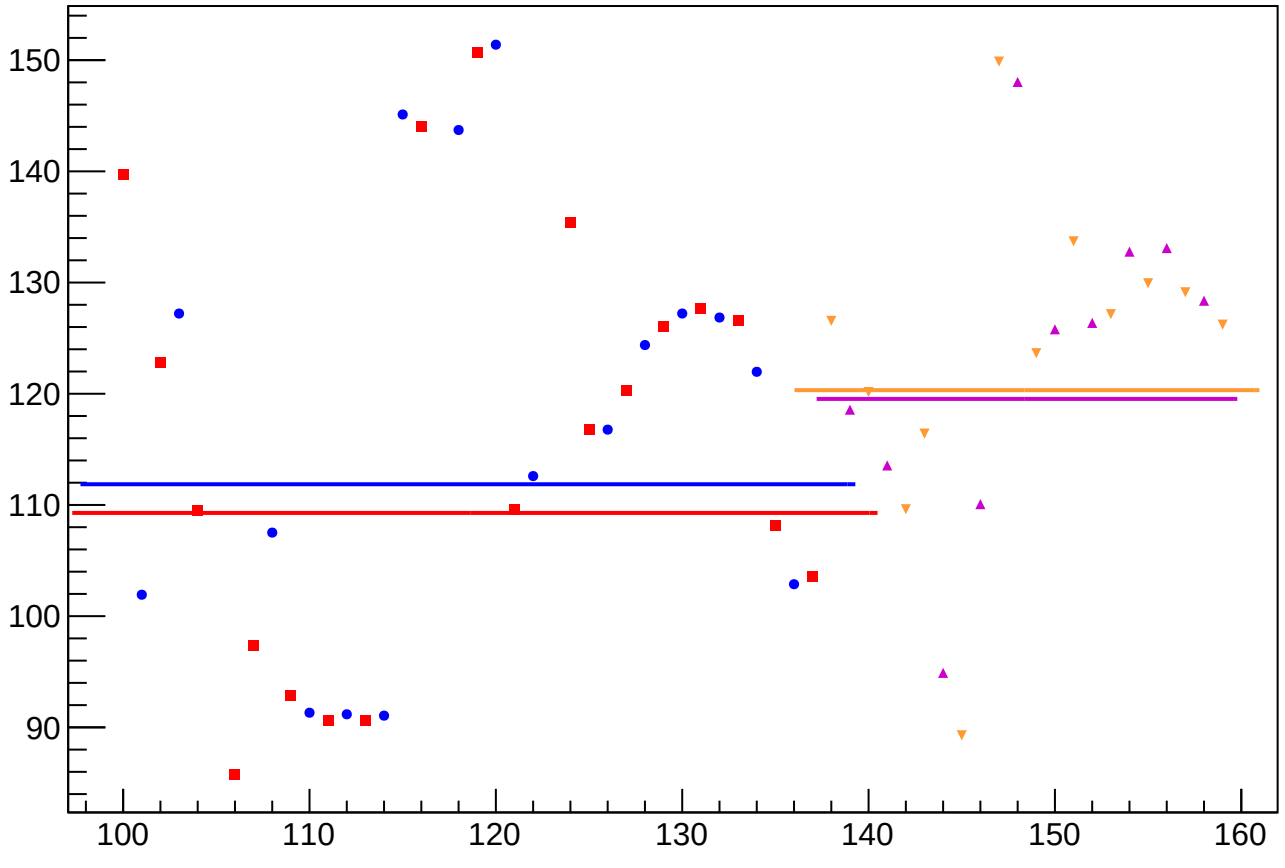
Left: 222.318+/-28.343 χ^2/NDF: 17.7/21

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 152.735+/-29.336 χ^2/NDF:31.2/25

Out: 201.145+/-28.278 χ^2/NDF:21.1/30

All: 177.828+/-20.360 χ^2/NDF: 53.6/56



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.324+/-0.028 χ^2/NDF:316322.0/11

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

Left: 119.945+/-0.020 χ^2/NDF: 568528.1/21

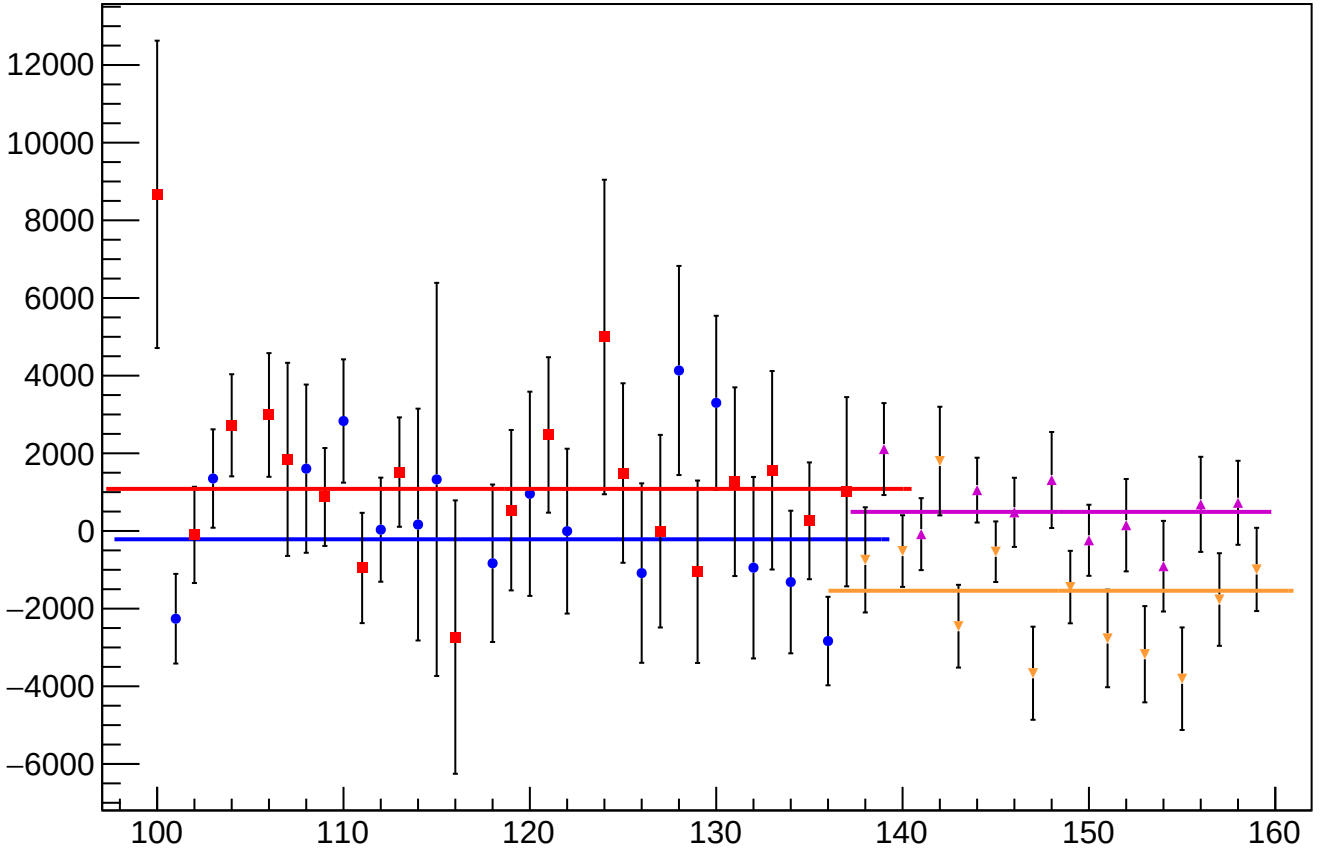
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 115.815+/-0.021 χ^2/NDF:592020.3/25

Out: 114.989+/-0.020 χ^2/NDF:763151.9/30

All: 115.387+/-0.014 χ^2/NDF: 1355995.3/56

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: -1539.738+/-315.766 χ^2/NDF:18.8/11

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 491.670+/-326.388 χ^2/NDF:5.4/9

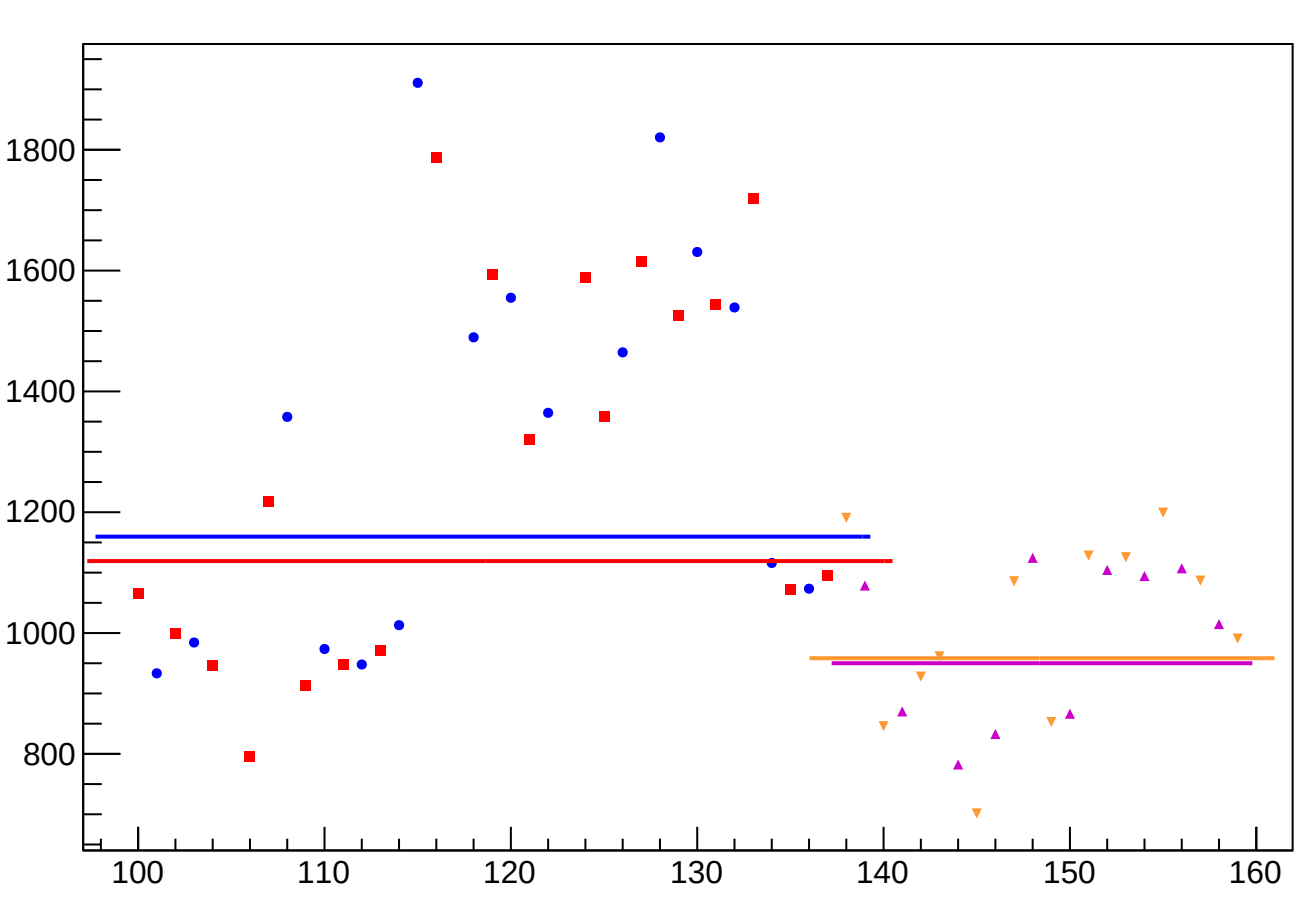
Left: -557.629+/-226.943 χ^2/NDF: 44.1/21

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

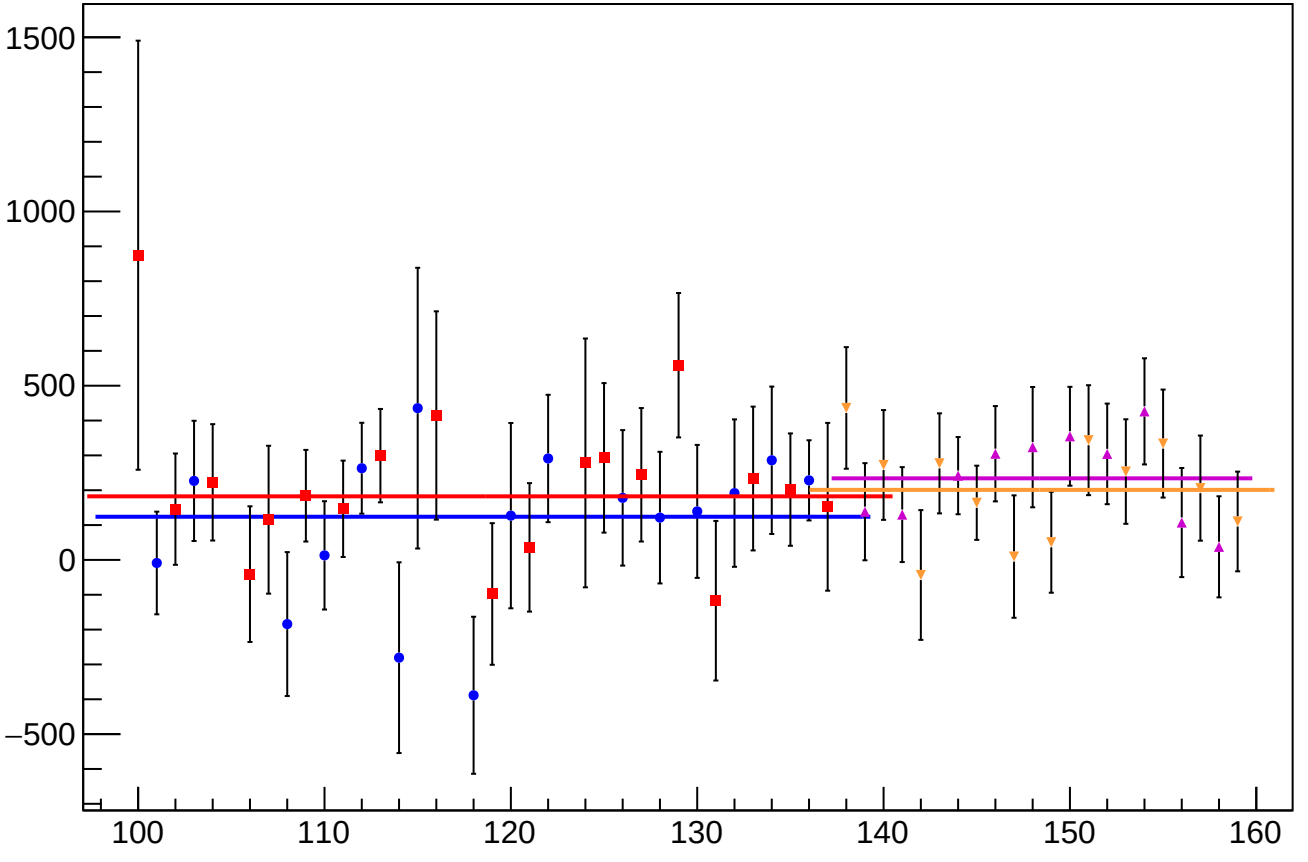
In: 243.990+/-262.971 χ^2/NDF:27.5/25

Out: -603.080+/-253.204 χ^2/NDF:57.3/30

All: -195.568+/-182.397 χ^2/NDF: 90.1/56


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1159.576+/-0.314 χ²/NDF: 683662.2/15
Left Out: 958.353+/-0.223 χ²/NDF:519146.7/11
Right Out: 1119.156+/-0.300 χ²/NDF: 803154.6/18
Left In: 950.064+/-0.231 χ²/NDF:314653.3/9
Left: 954.346+/-0.160 χ²/NDF: 834466.1/21
Right: 1138.426+/-0.217 χ²/NDF: 1495491.5/34
In: 1023.571+/-0.186 χ²/NDF:1287447.8/25
Out: 1015.760+/-0.179 χ²/NDF:1507466.3/30
All: 1019.518+/-0.129 χ²/NDF: 2795829.9/56

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 201.023+/-43.122 χ^2/NDF:8.5/11

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 234.131+/-44.595 χ^2/NDF:6.6/9

Left: 217.021+/-31.000 χ^2/NDF: 15.4/21

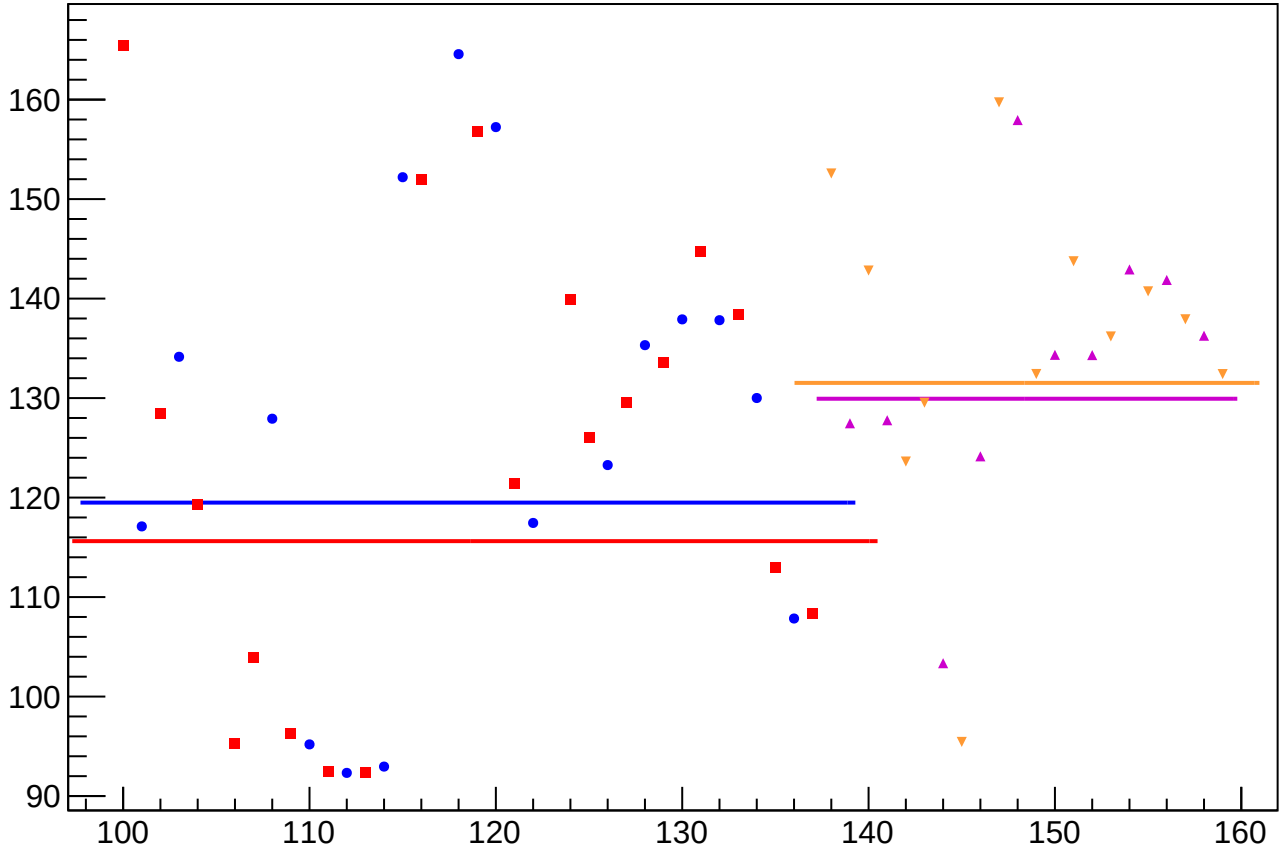
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 179.800+/-31.758 χ^2/NDF:25.1/25

Out: 191.767+/-30.528 χ^2/NDF:20.9/30

All: 186.020+/-22.009 χ^2/NDF: 46.0/56

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.527+/-0.030 χ^2/NDF:349368.4/11

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 129.934+/-0.032 χ^2/NDF:206236.7/9

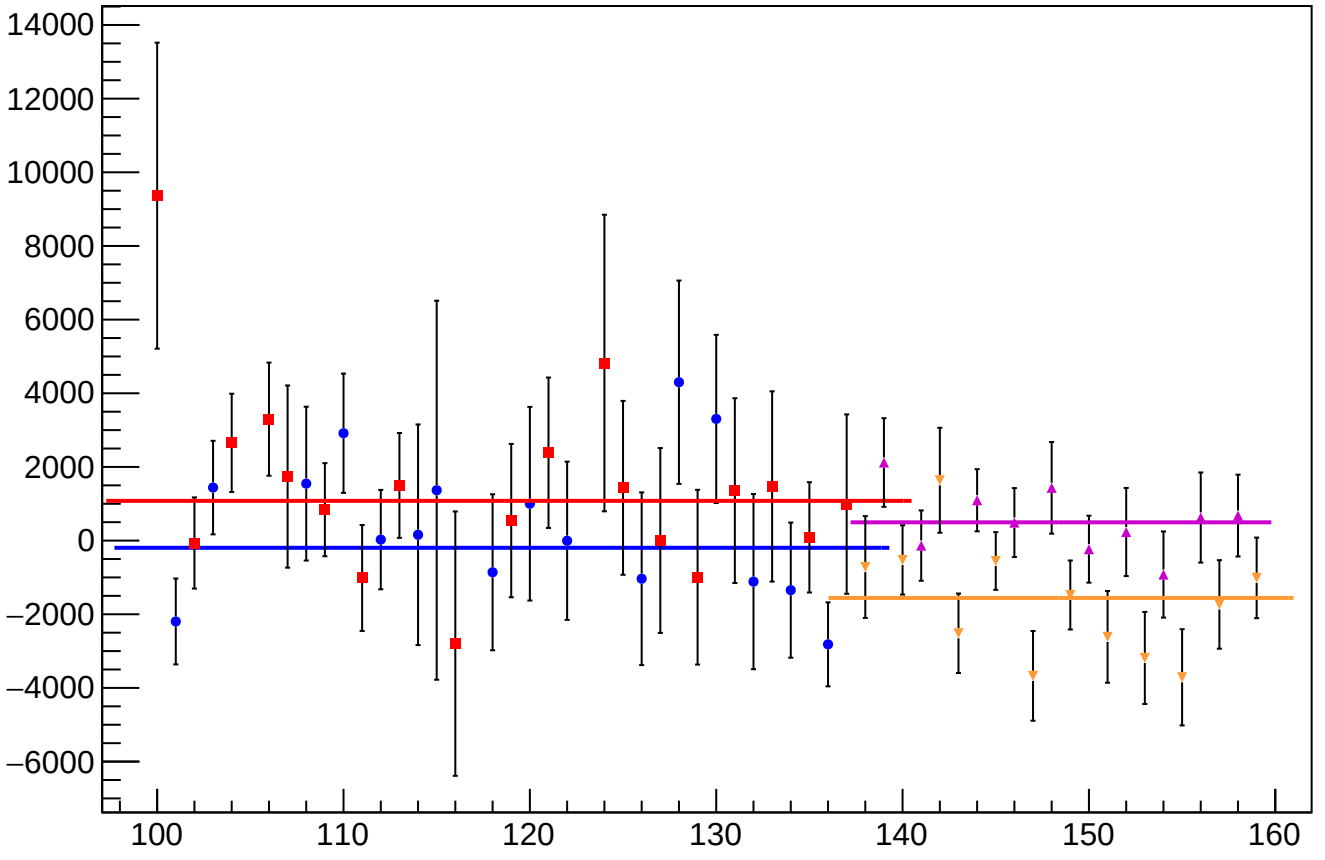
Left: 130.757+/-0.022 χ^2/NDF: 556923.3/21

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 124.789+/-0.022 χ^2/NDF:640506.4/25

Out: 123.593+/-0.022 χ^2/NDF:912052.1/30

All: 124.168+/-0.016 χ^2/NDF: 1554032.8/56



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1556.576+/-318.673 χ^2/NDF:17.5/11

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 496.205+/-331.590 χ^2/NDF:5.5/9

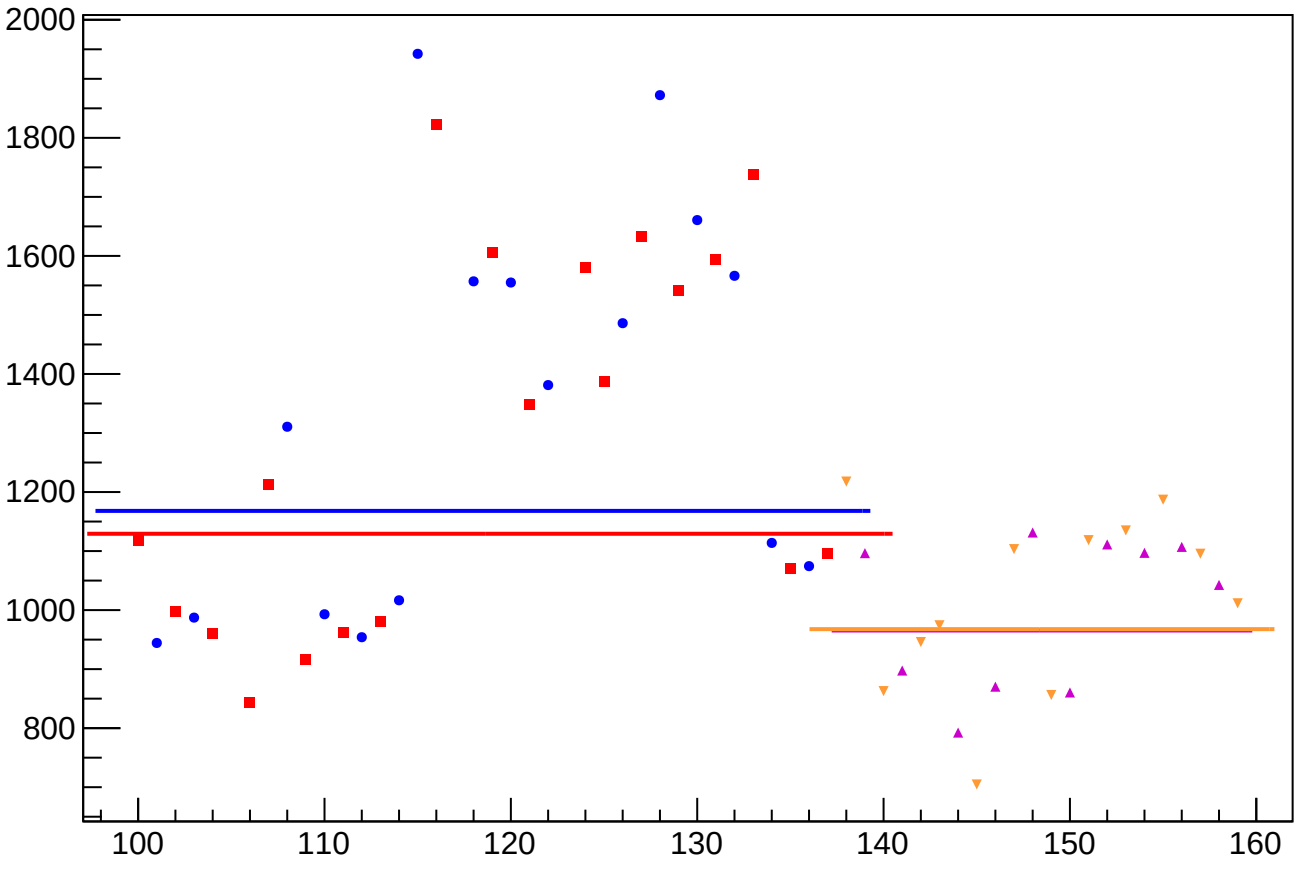
Left: -570.947+/-229.767 χ^2/NDF: 42.9/21

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 251.062+/-266.386 χ^2/NDF:27.5/25

Out: -610.630+/-255.165 χ^2/NDF:56.6/30

All: -198.313+/-184.268 χ^2/NDF: 89.5/56



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 967.735+/-0.225 χ^2/NDF:517023.4/11

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 965.454+/-0.234 χ^2/NDF:292126.3/9

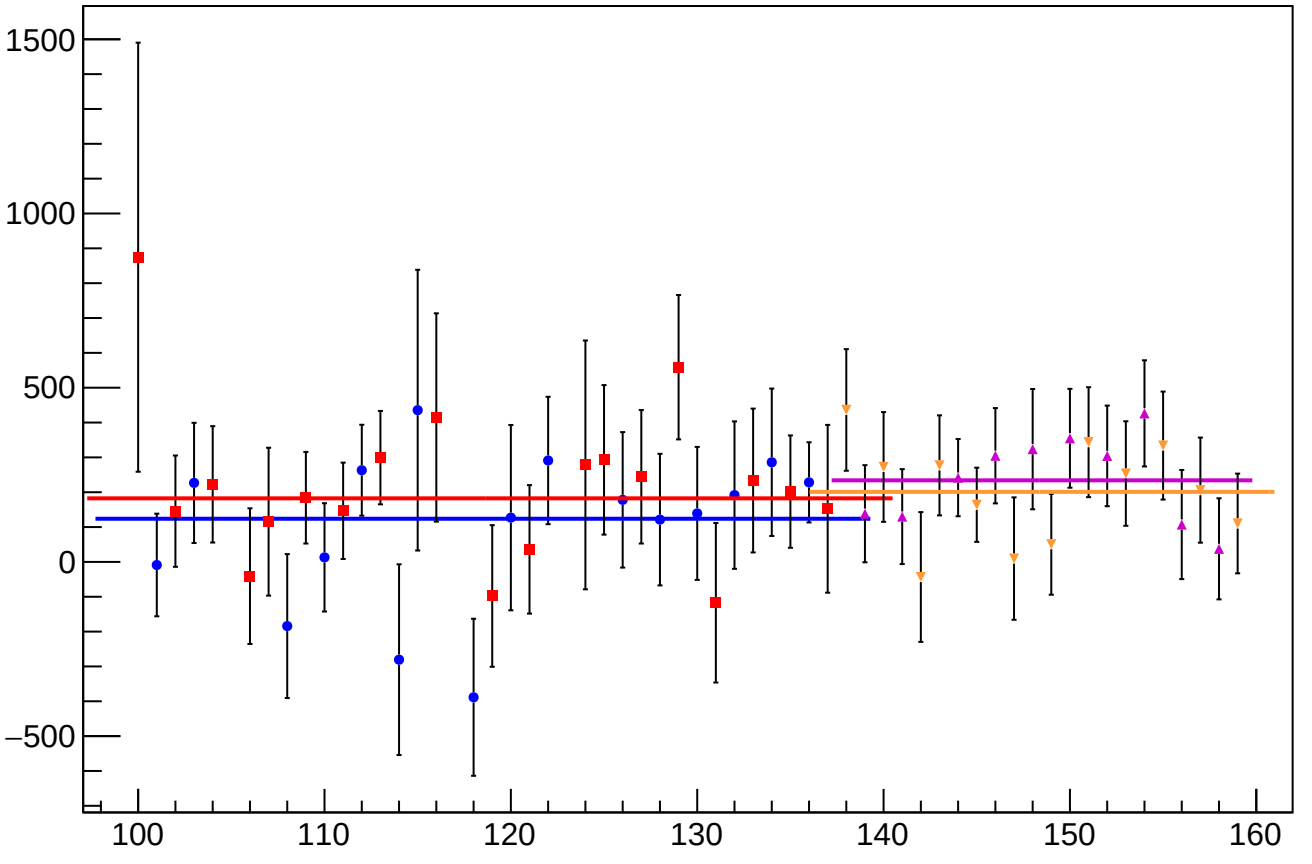
Left: 966.640+/-0.162 χ^2/NDF: 809198.9/21

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1037.302+/-0.188 χ^2/NDF:1266279.7/25

Out: 1025.720+/-0.180 χ^2/NDF:1508768.2/30

All: 1031.262+/-0.130 χ^2/NDF: 2777019.7/56



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 201.024+/-43.122 χ^2/NDF:8.5/11

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 234.132+/-44.595 χ^2/NDF:6.6/9

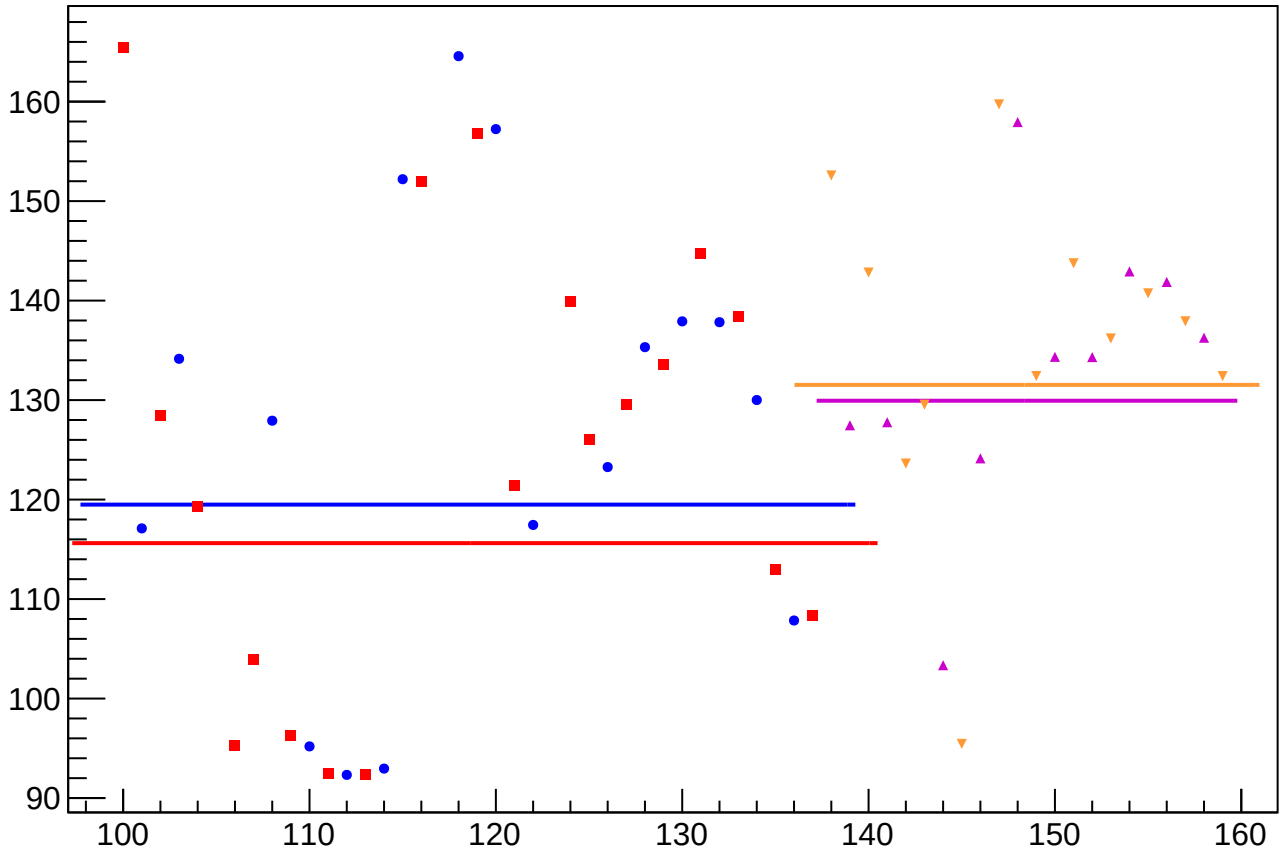
Left: 217.022+/-31.000 χ^2/NDF: 15.4/21

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 179.802+/-31.758 χ^2/NDF:25.1/25

Out: 191.768+/-30.528 χ^2/NDF:20.9/30

All: 186.021+/-22.009 χ^2/NDF: 46.0/56



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 131.527+/-0.030 χ^2/NDF:349366.7/11

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 129.934+/-0.032 χ^2/NDF:206235.3/9

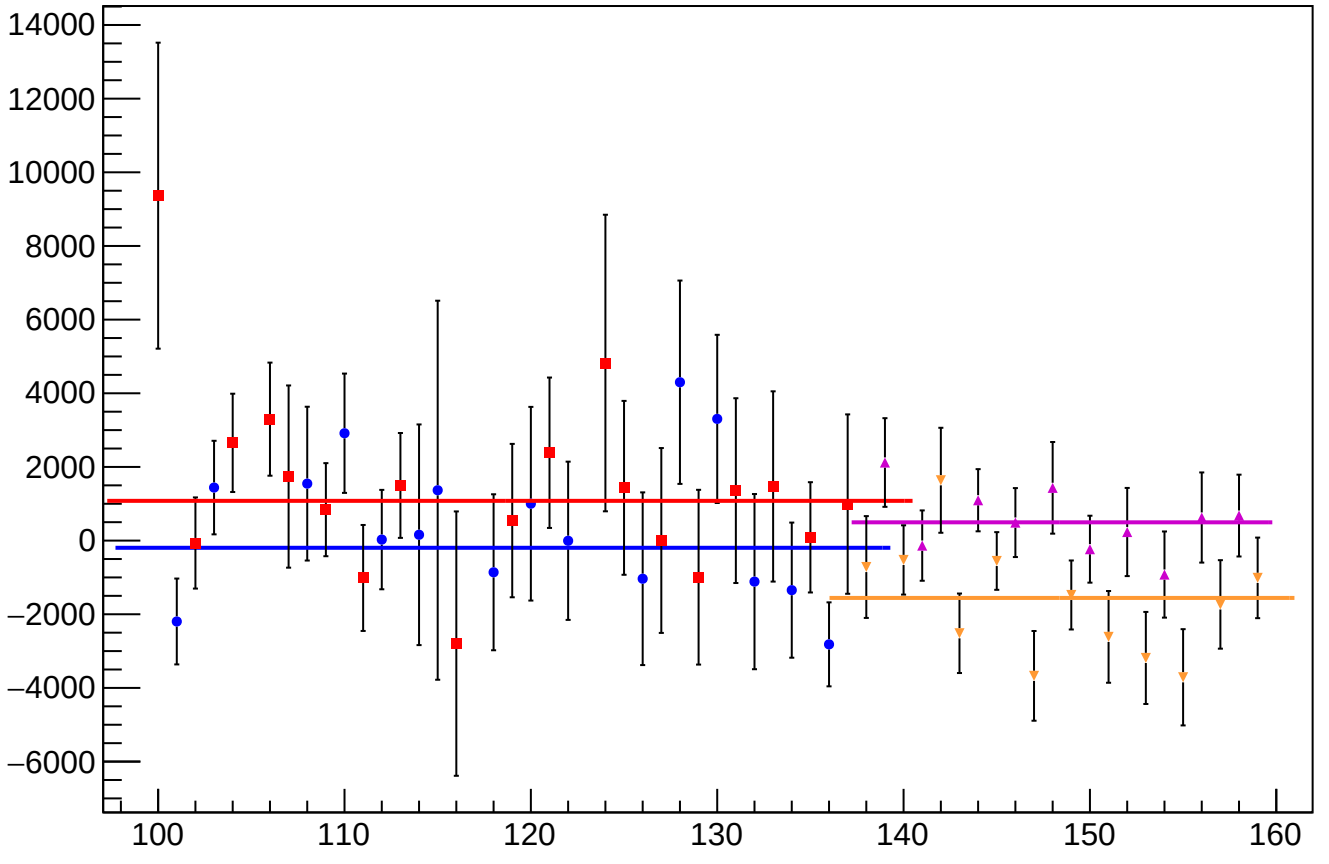
Left: 130.758+/-0.022 χ^2/NDF: 556920.2/21

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 124.789+/-0.022 χ^2/NDF:640509.0/25

Out: 123.593+/-0.022 χ^2/NDF:912056.9/30

All: 124.168+/-0.016 χ^2/NDF: 1554040.3/56



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1556.573+/-318.673 χ^2/NDF:17.5/11

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 496.205+/-331.590 χ^2/NDF:5.5/9

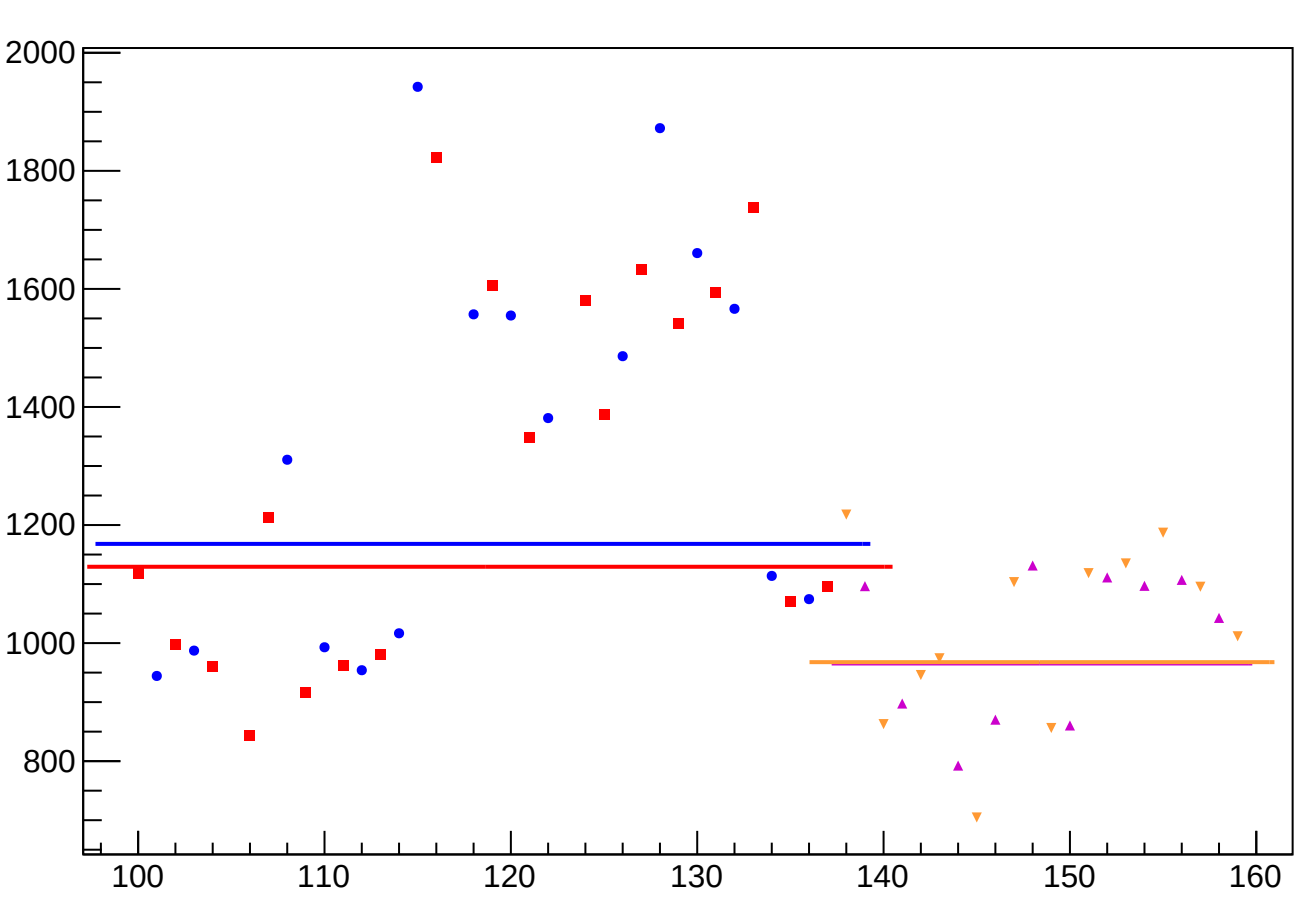
Left: -570.946+/-229.767 χ^2/NDF: 42.9/21

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 251.062+/-266.386 χ^2/NDF:27.5/25

Out: -610.629+/-255.165 χ^2/NDF:56.6/30

All: -198.313+/-184.268 χ^2/NDF: 89.5/56



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 967.734+/-0.225 χ^2/NDF:517026.6/11

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 965.454+/-0.234 χ^2/NDF:292124.3/9

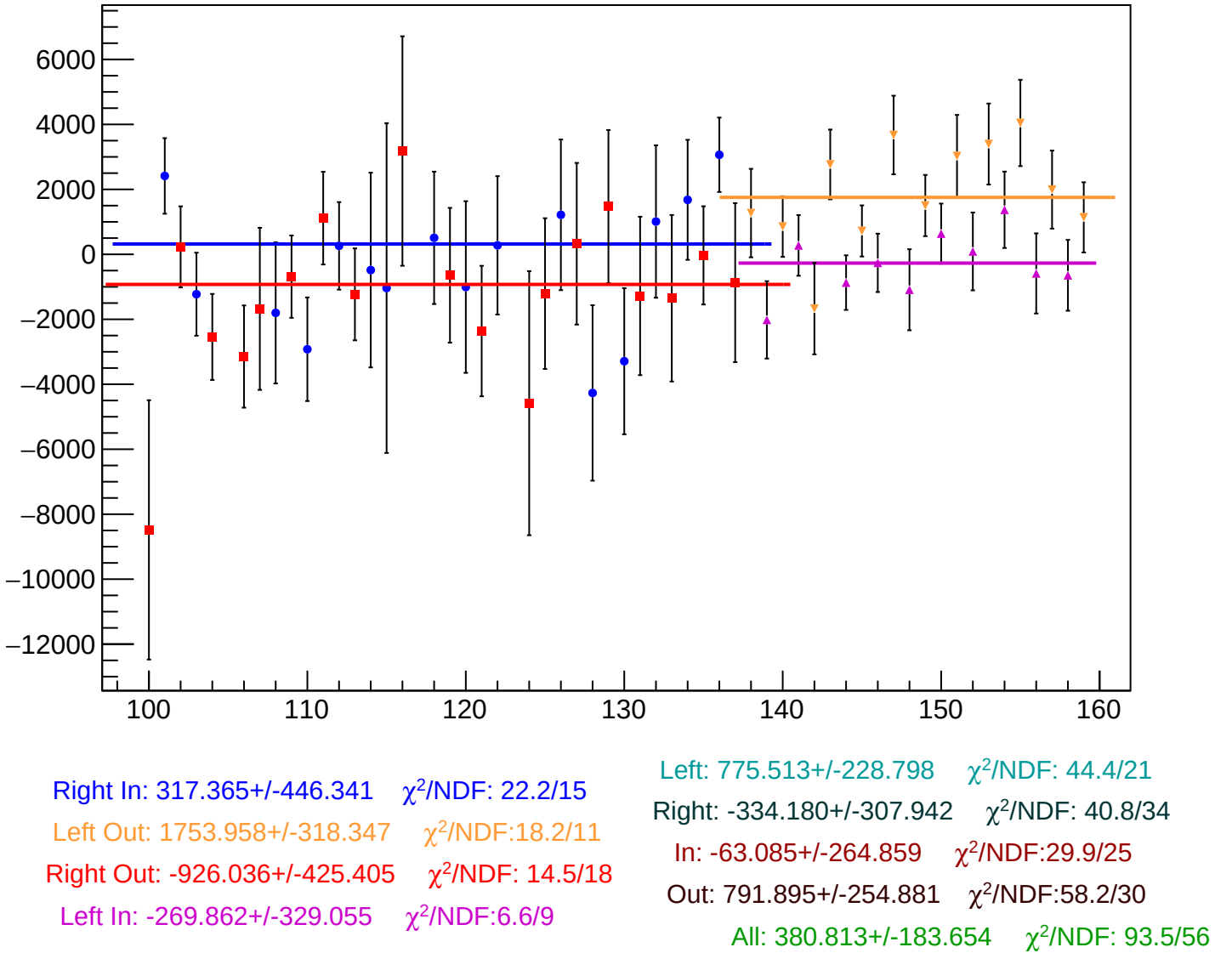
Left: 966.639+/-0.162 χ^2/NDF: 809200.1/21

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

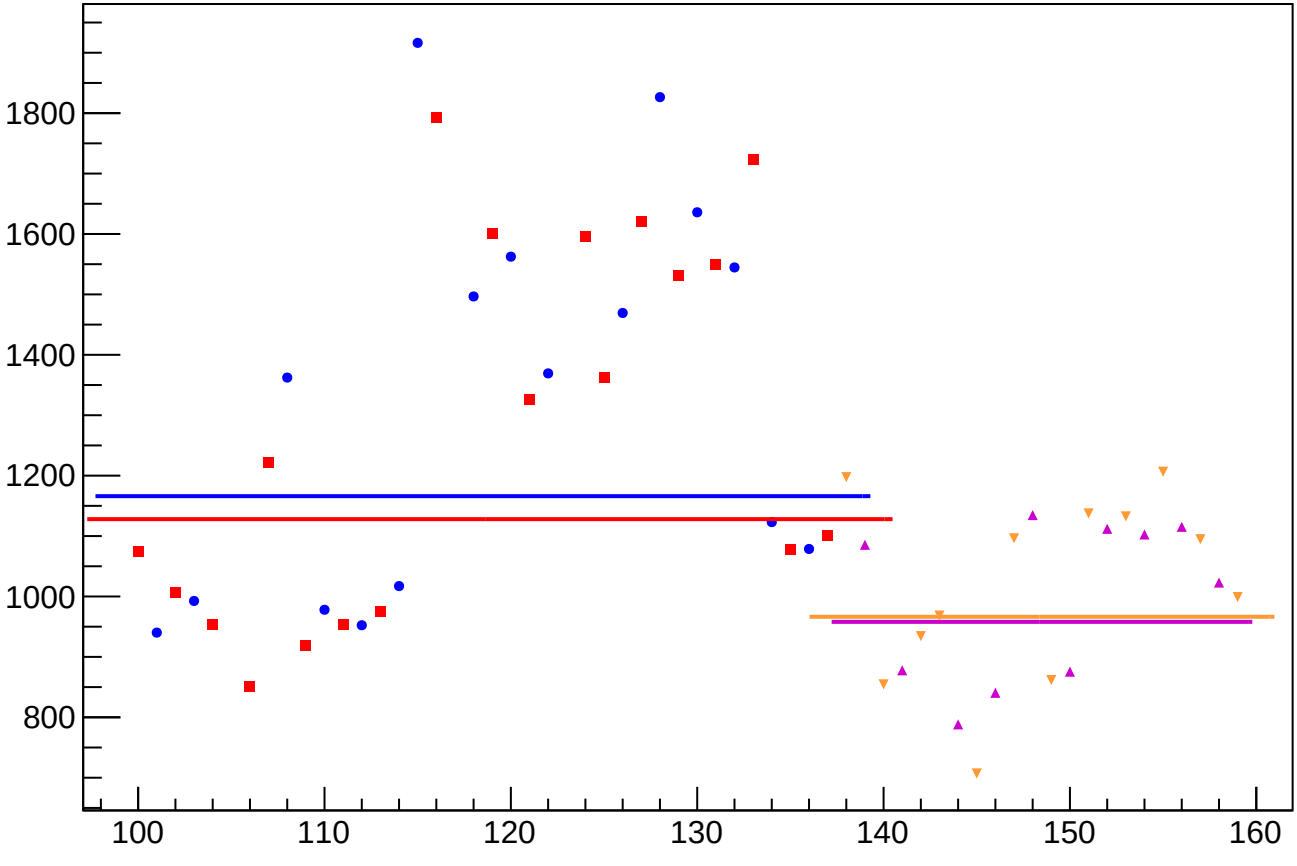
In: 1037.302+/-0.188 χ^2/NDF:1266279.8/25

Out: 1025.720+/-0.180 χ^2/NDF:1508774.2/30

All: 1031.262+/-0.130 χ^2/NDF: 2777025.9/56


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
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1753.958+/-318.347 χ²/NDF:18.2/11
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: -269.862+/-329.055 χ²/NDF:6.6/9
Left: 775.513+/-228.798 χ²/NDF: 44.4/21
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: -63.085+/-264.859 χ²/NDF:29.9/25
Out: 791.895+/-254.881 χ²/NDF:58.2/30
All: 380.813+/-183.654 χ²/NDF: 93.5/56

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 966.389+/-0.225 χ^2/NDF:514425.9/11

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 957.972+/-0.233 χ^2/NDF:312320.7/9

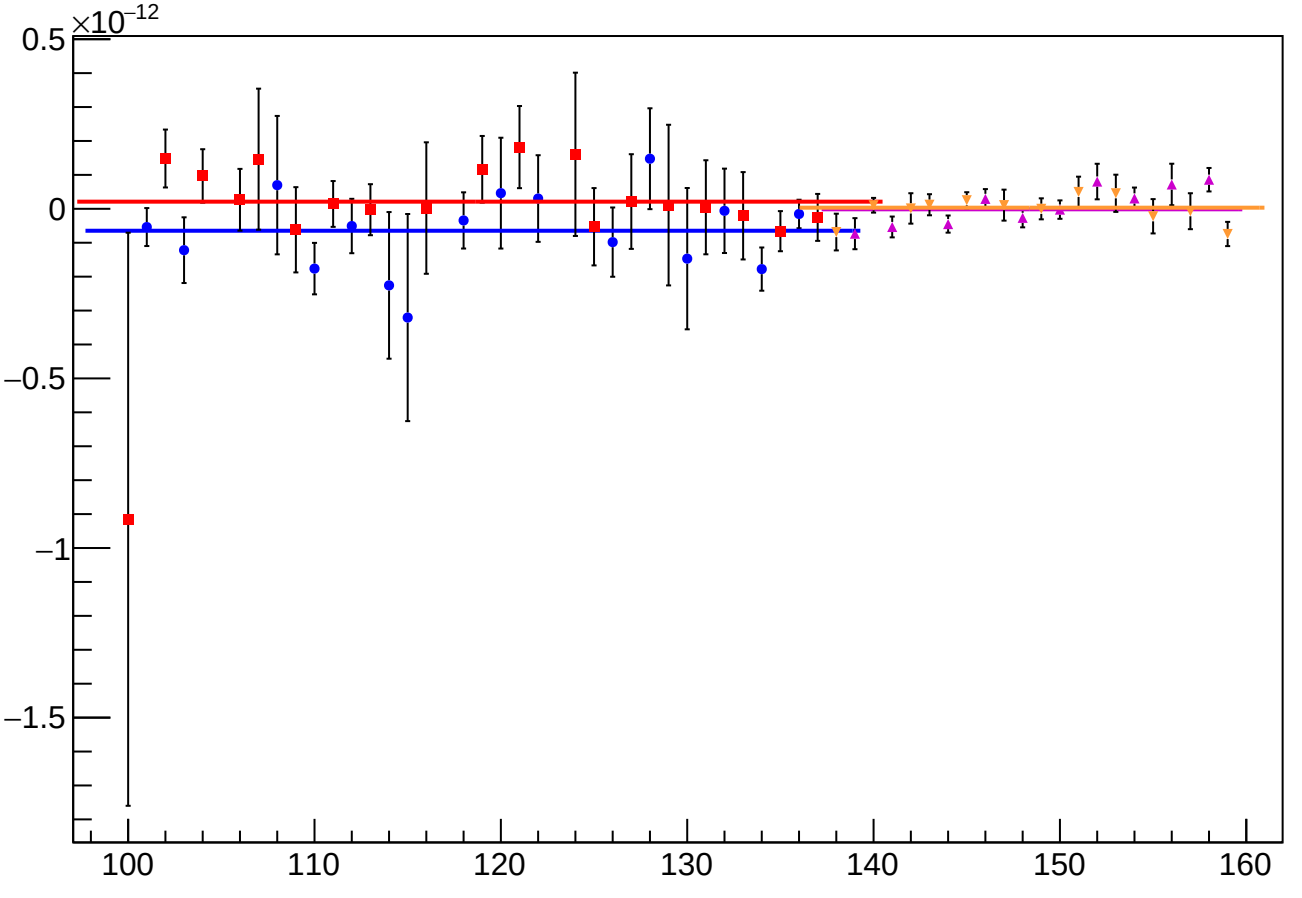
Left: 962.320+/-0.162 χ^2/NDF: 827422.5/21

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1031.244+/-0.187 χ^2/NDF:1271006.5/25

Out: 1024.406+/-0.180 χ^2/NDF:1475235.8/30

All: 1027.694+/-0.130 χ^2/NDF: 2746934.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/9

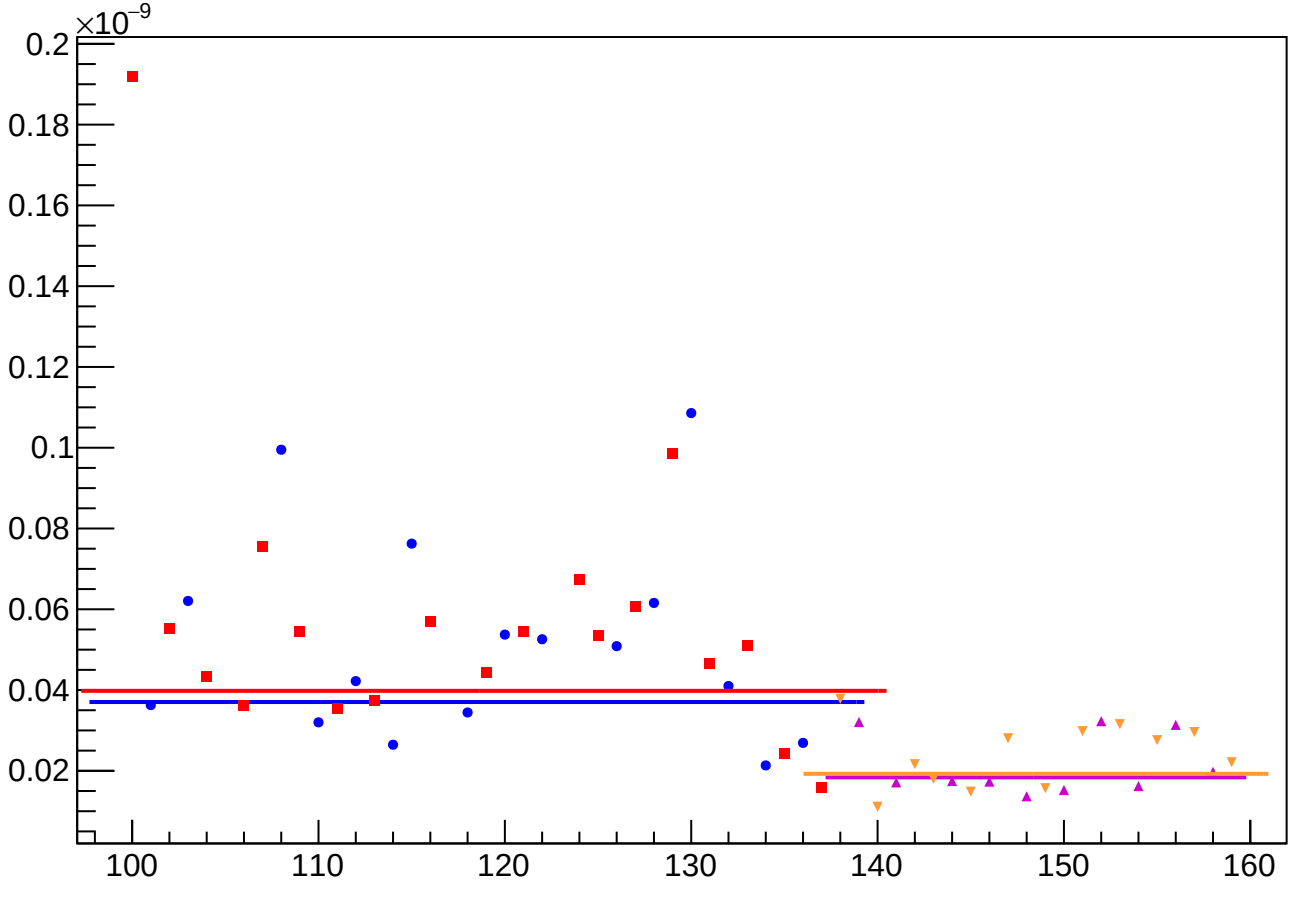
Left: 0.000+/-0.000 χ^2/NDF: 31.1/21

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:40.8/25

Out: 0.000+/-0.000 χ^2/NDF:21.5/30

All: -0.000+/-0.000 χ^2/NDF: 64.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1049376.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:513149.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1569997.4/21

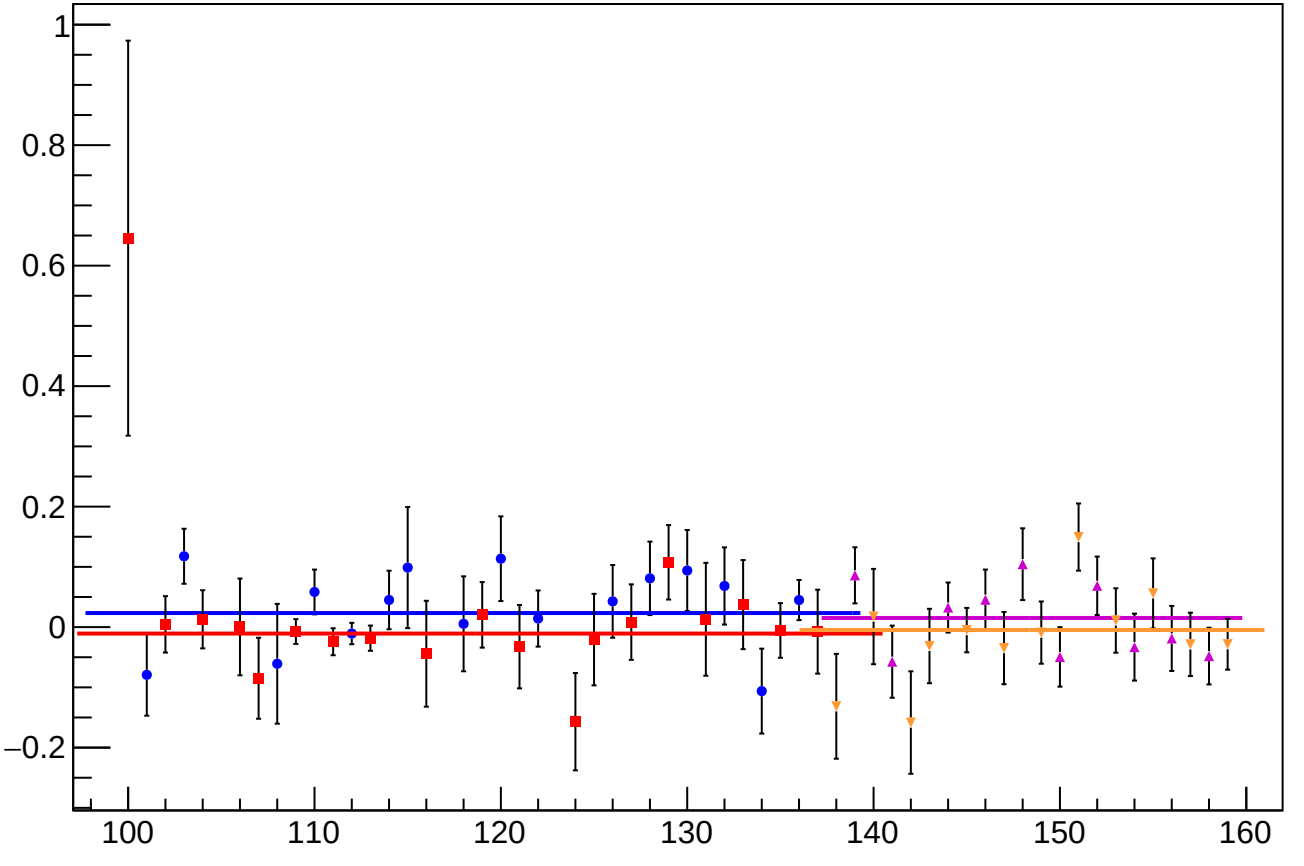
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2702263.8/25

Out: 0.000+/-0.000 χ^2/NDF:3277274.4/30

All: 0.000+/-0.000 χ^2/NDF: 5987089.0/56

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

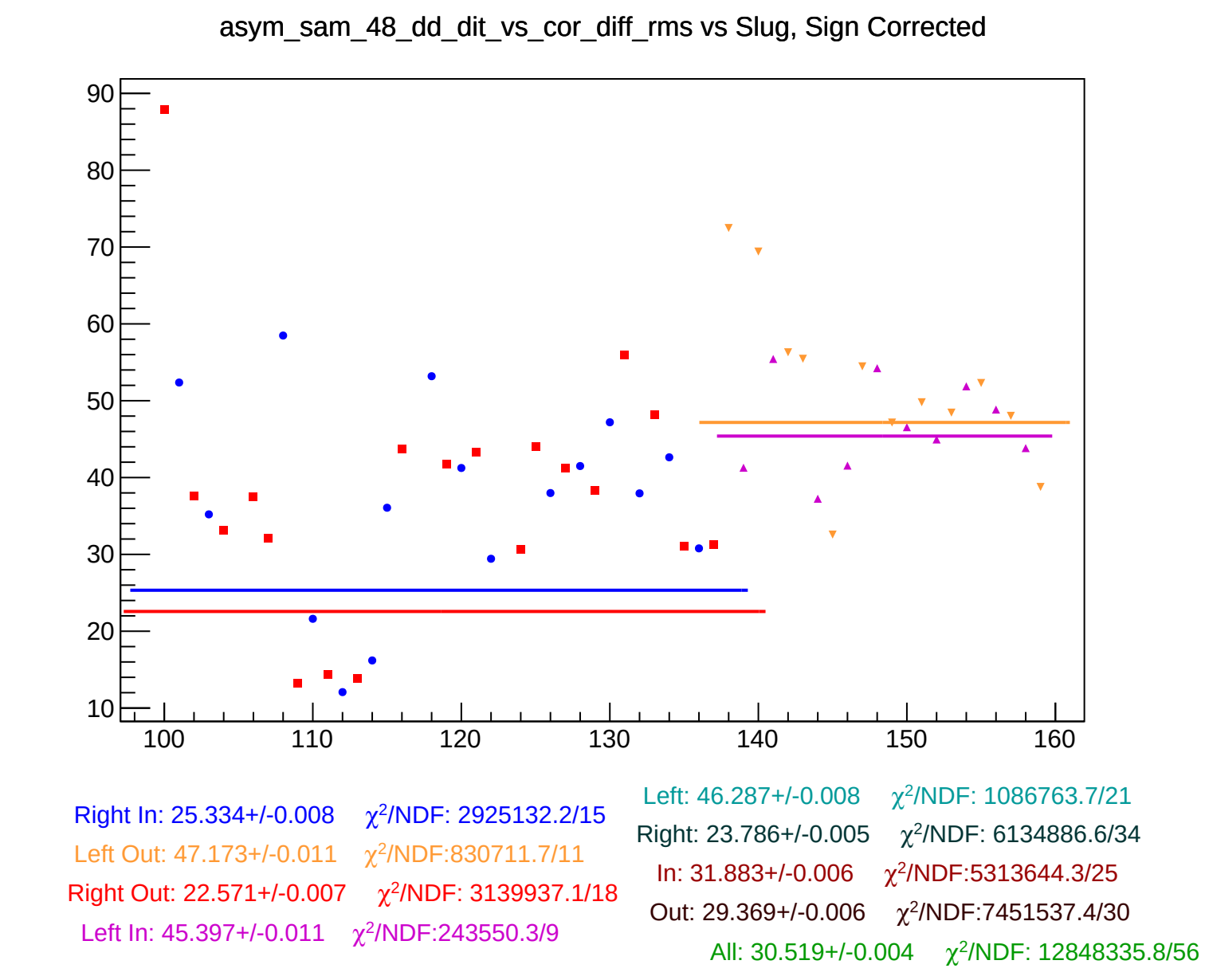
Left: 0.005+/-0.011 χ^2/NDF: 28.5/21

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

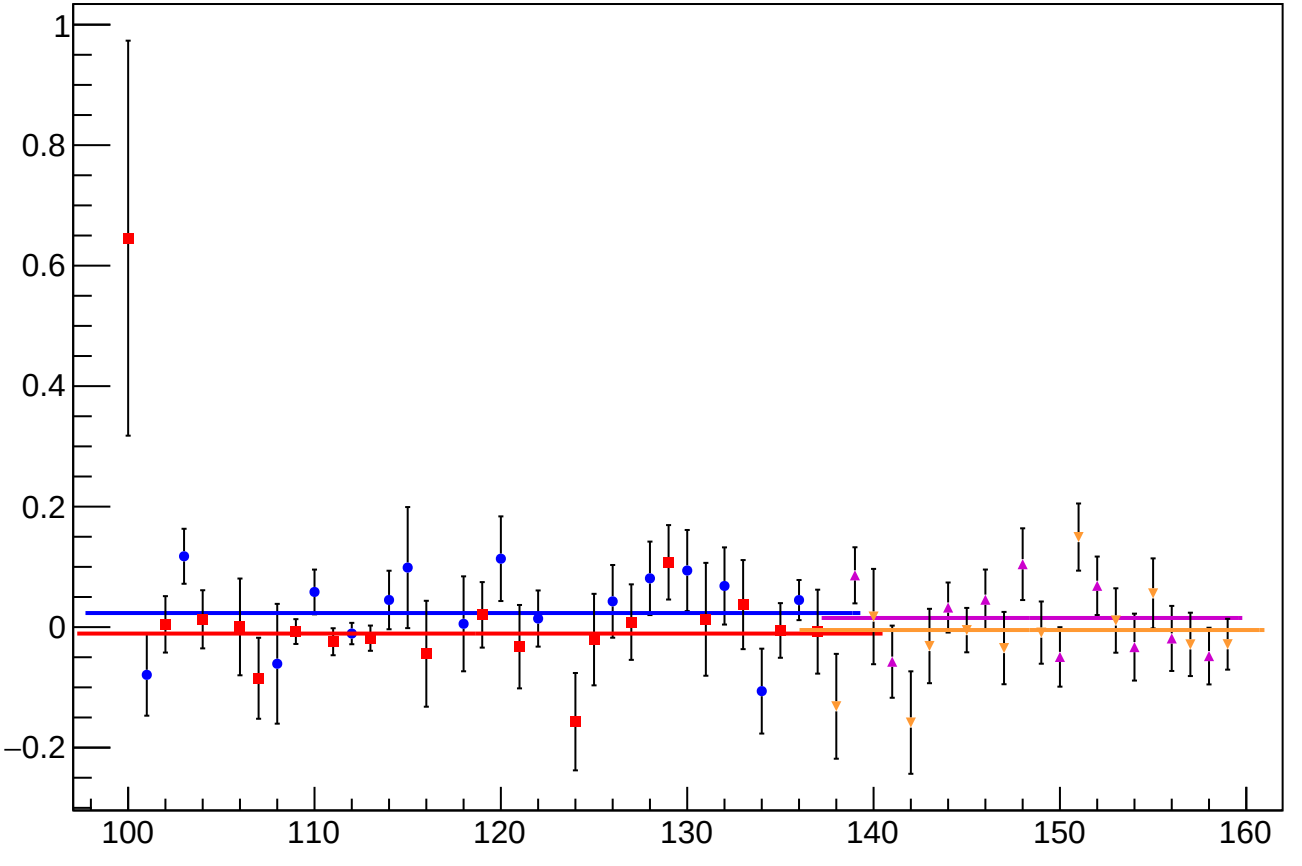
In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.005+/-0.006 χ^2/NDF: 68.8/56


asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 25.334+/-0.008 χ²/NDF: 2925132.2/15
Left Out: 47.173+/-0.011 χ²/NDF:830711.7/11
Right Out: 22.571+/-0.007 χ²/NDF: 3139937.1/18
Left In: 45.397+/-0.011 χ²/NDF:243550.3/9
Left: 46.287+/-0.008 χ²/NDF: 1086763.7/21
Right: 23.786+/-0.005 χ²/NDF: 6134886.6/34
In: 31.883+/-0.006 χ²/NDF:5313644.3/25
Out: 29.369+/-0.006 χ²/NDF:7451537.4/30
All: 30.519+/-0.004 χ²/NDF: 12848335.8/56

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: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

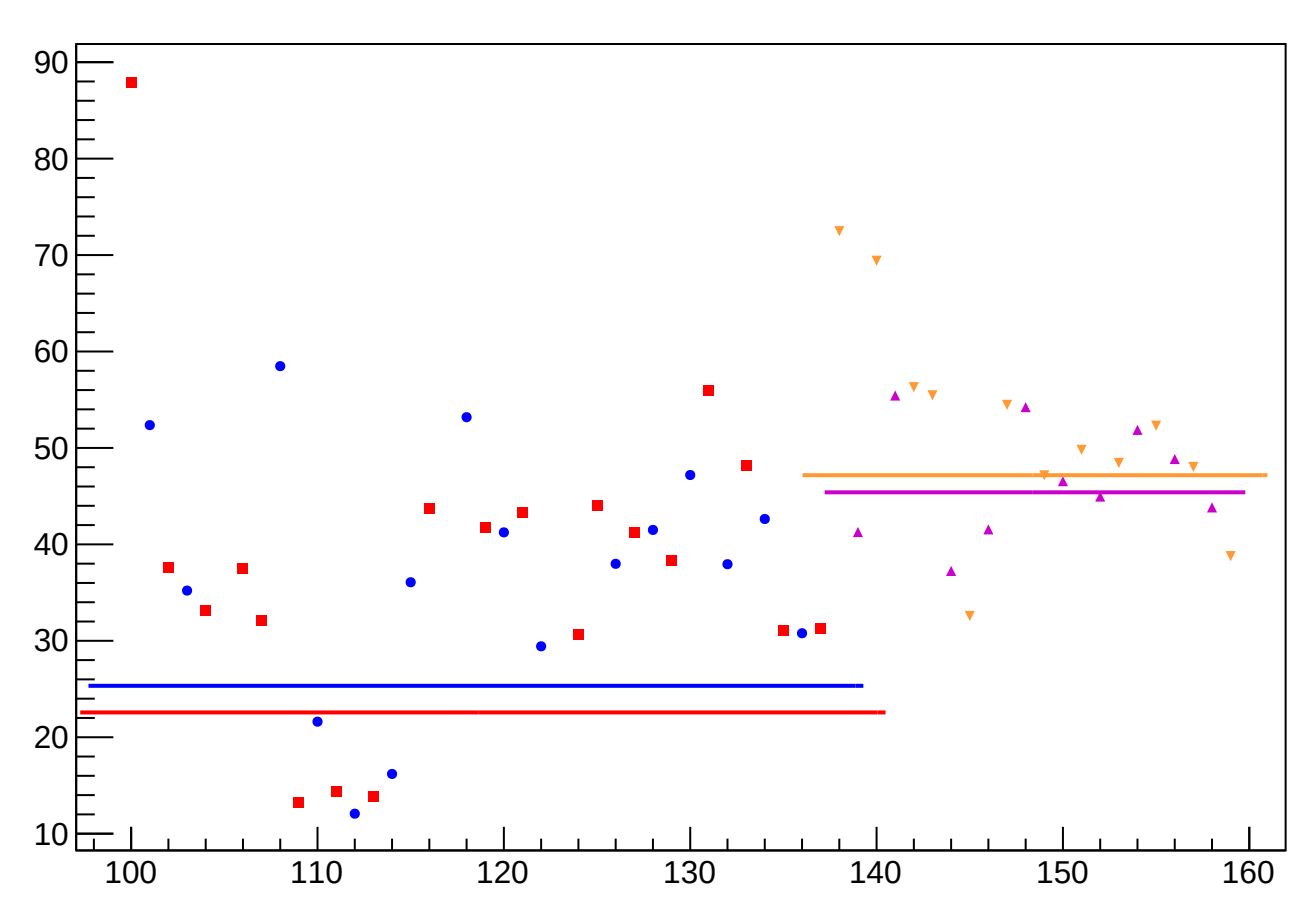
Left: 0.005+/-0.011 χ^2/NDF: 28.5/21

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.005+/-0.006 χ^2/NDF: 68.8/56



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.173+/-0.011 χ^2/NDF:830711.7/11

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

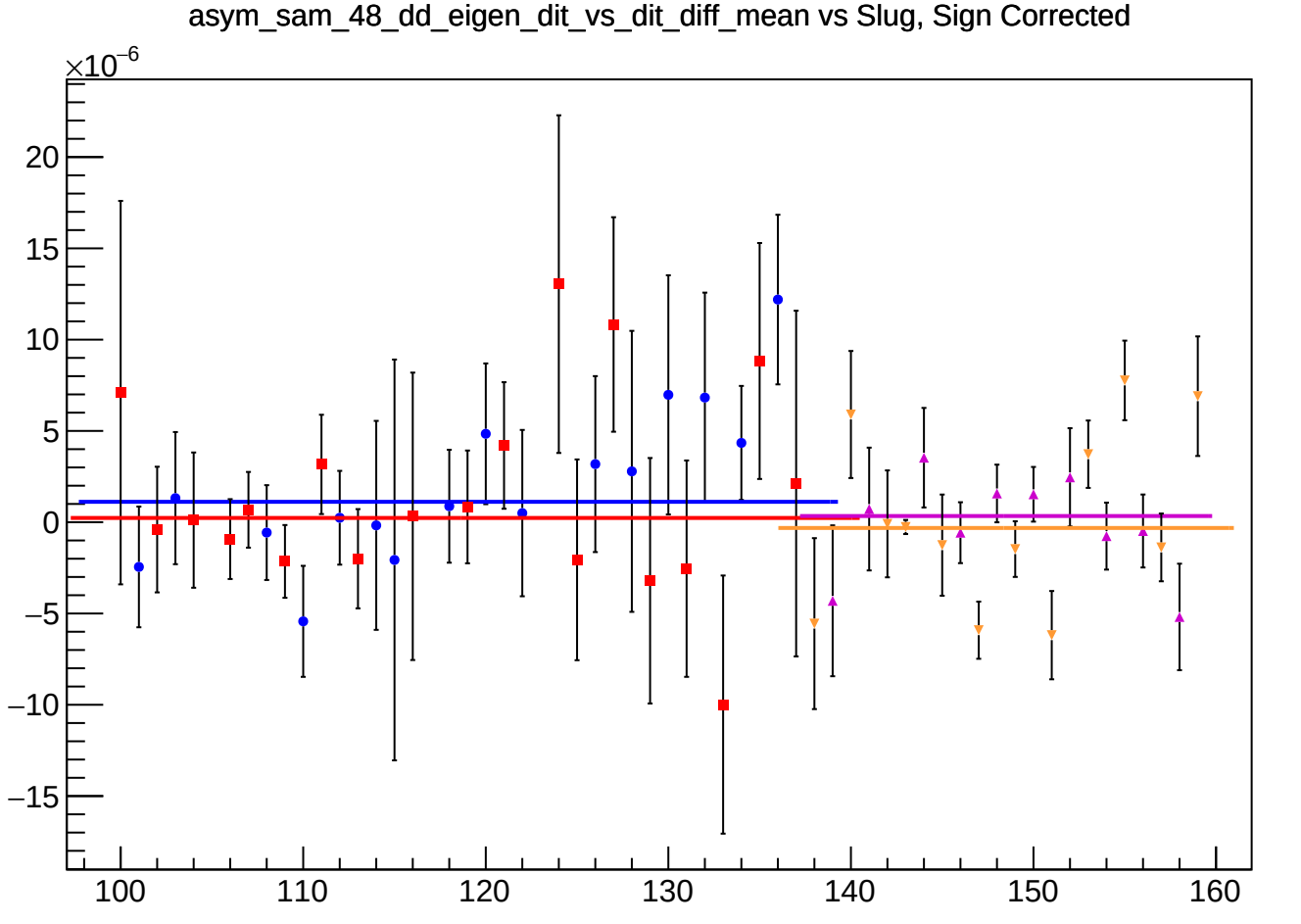
Left: 46.287+/-0.008 χ^2/NDF: 1086763.7/21

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 31.883+/-0.006 χ^2/NDF:5313644.3/25

Out: 29.369+/-0.006 χ^2/NDF:7451537.4/30

All: 30.519+/-0.004 χ^2/NDF: 12848335.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

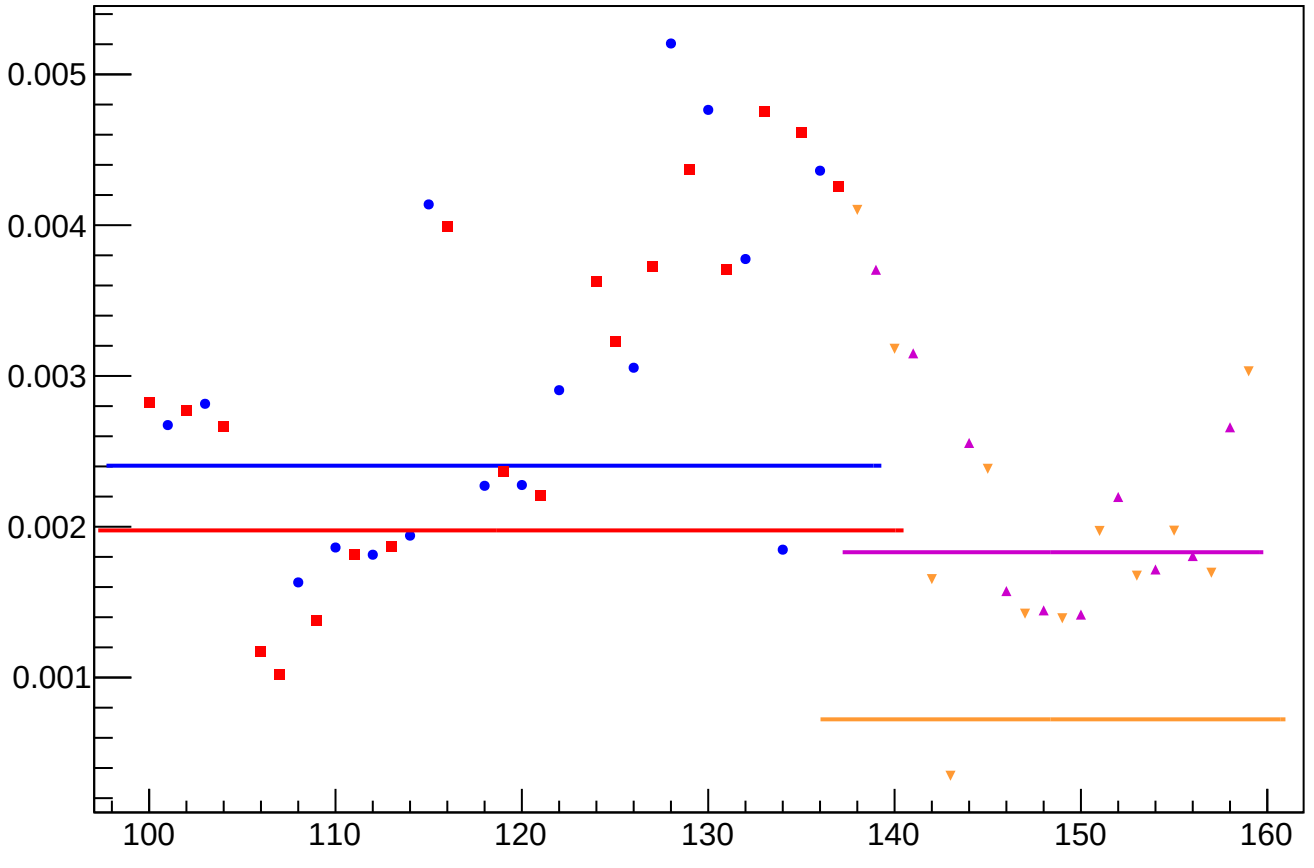
Left: -0.000+/-0.000 χ^2/NDF: 57.3/21

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:25.6/25

Out: -0.000+/-0.000 χ^2/NDF:63.1/30

All: -0.000+/-0.000 χ^2/NDF: 90.4/56



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8893309.6/11

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1386407.2/9

Left: 0.001+/-0.000 χ^2/NDF: 14764387.5/21

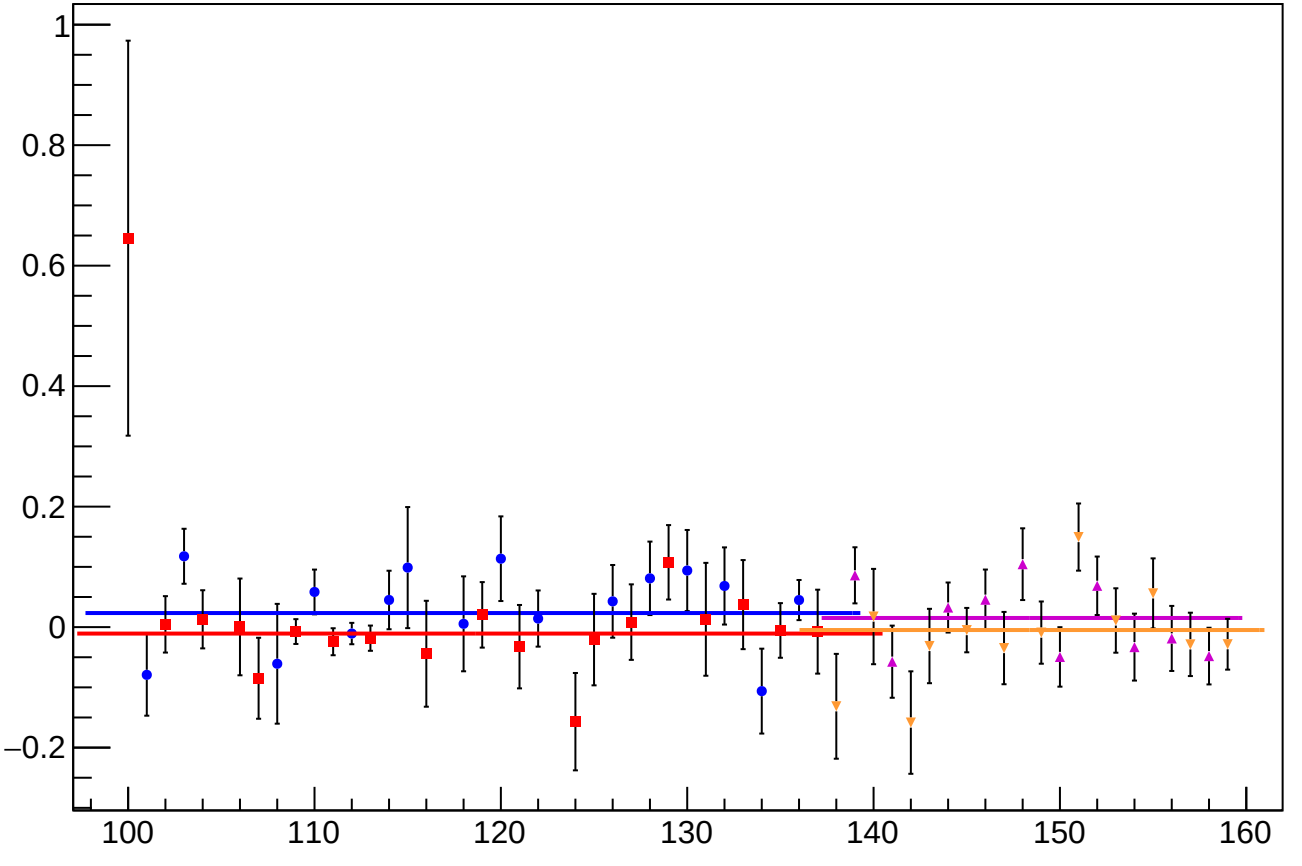
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3447110.2/25

Out: 0.001+/-0.000 χ^2/NDF:15737719.7/30

All: 0.001+/-0.000 χ^2/NDF: 25534873.8/56

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: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

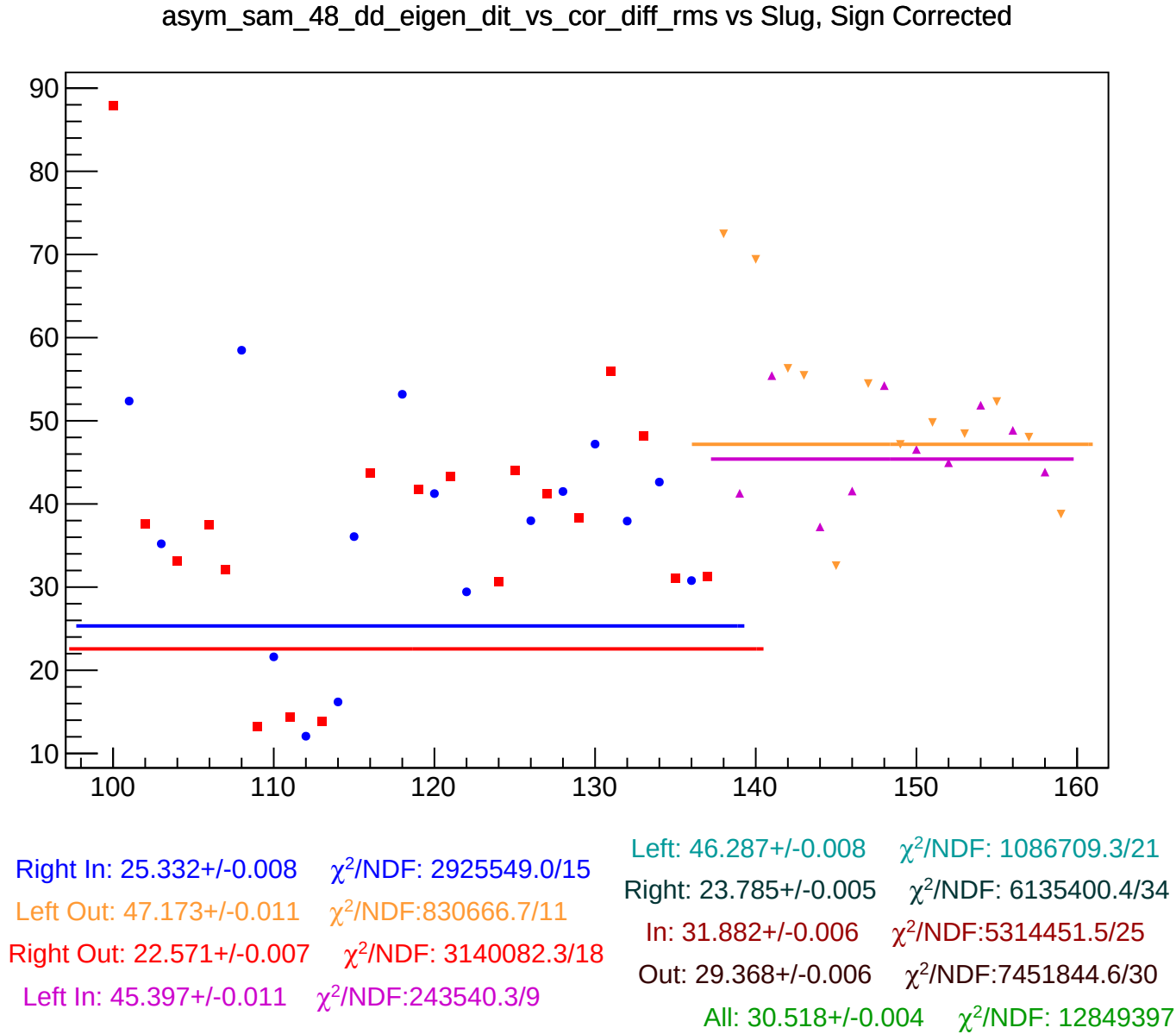
Left: 0.005+/-0.011 χ^2/NDF: 28.5/21

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.005+/-0.006 χ^2/NDF: 68.8/56


asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
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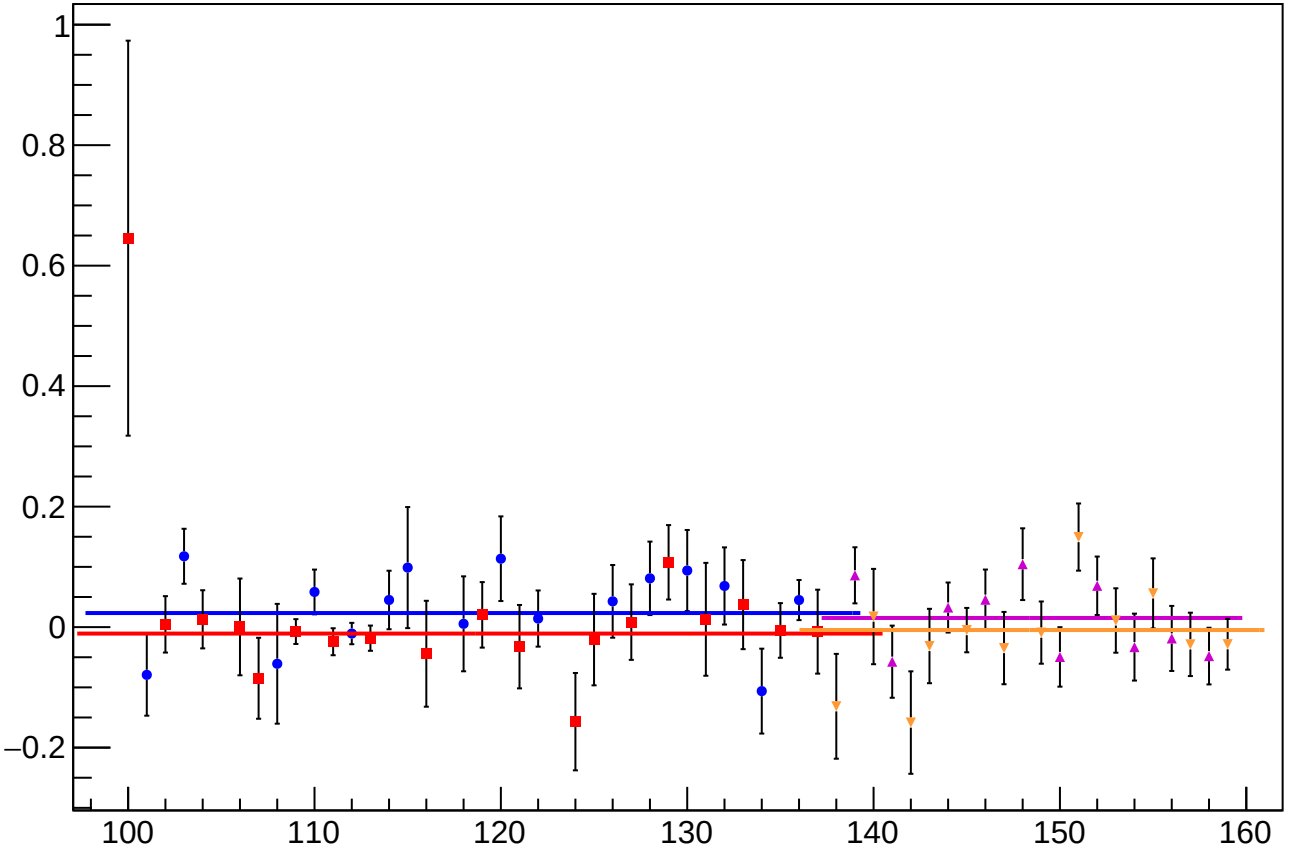
140
150
160
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 47.173+/-0.011 χ²/NDF:830666.7/11
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 45.397+/-0.011 χ²/NDF:243540.3/9
Left: 46.287+/-0.008 χ²/NDF: 1086709.3/21
Right: 23.785+/-0.005 χ²/NDF: 6135400.4/34
In: 31.882+/-0.006 χ²/NDF:5314451.5/25
Out: 29.368+/-0.006 χ²/NDF:7451844.6/30
All: 30.518+/-0.004 χ²/NDF: 12849397.0/56

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: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

Left: 0.005+/-0.011 χ^2/NDF: 28.5/21

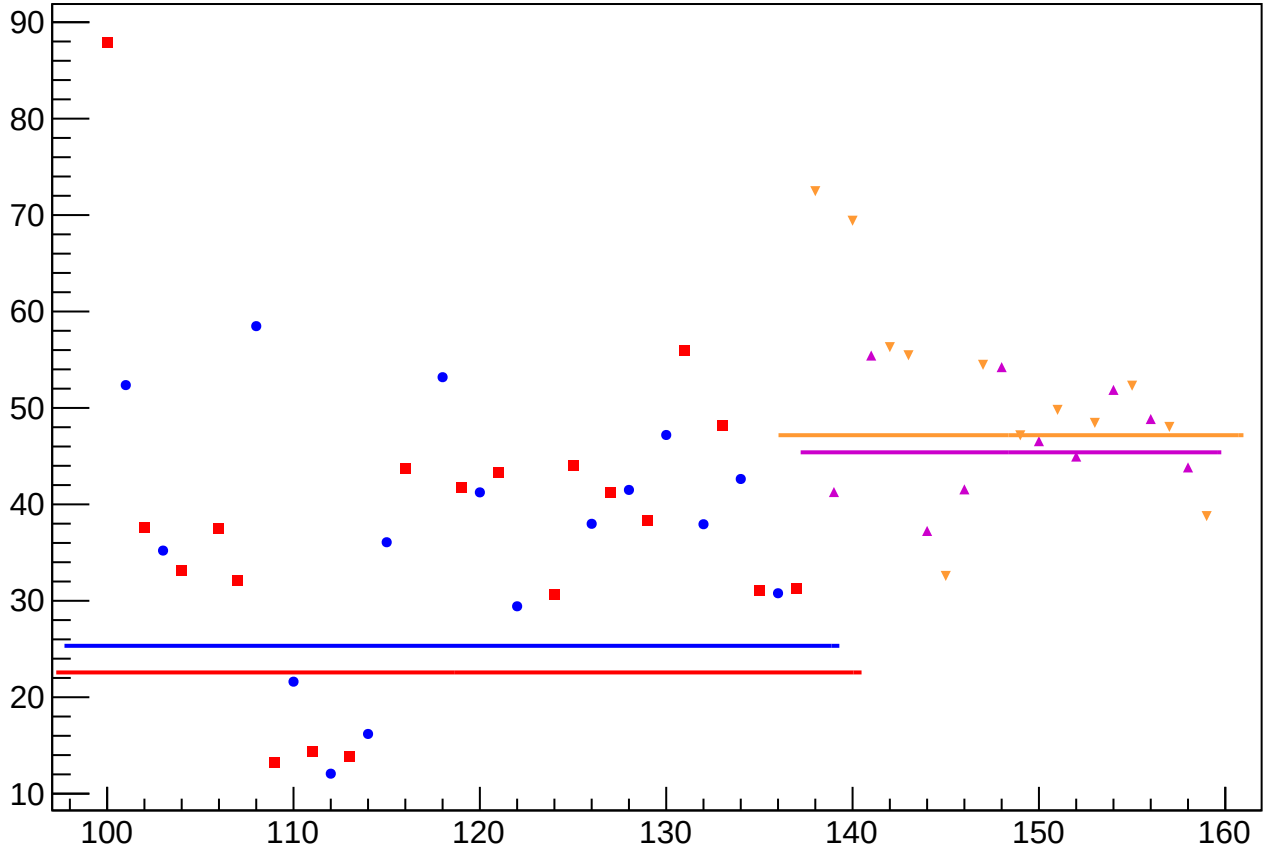
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.005+/-0.006 χ^2/NDF: 68.8/56

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: 47.173+/-0.011 χ^2/NDF:830666.7/11

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.397+/-0.011 χ^2/NDF:243540.3/9

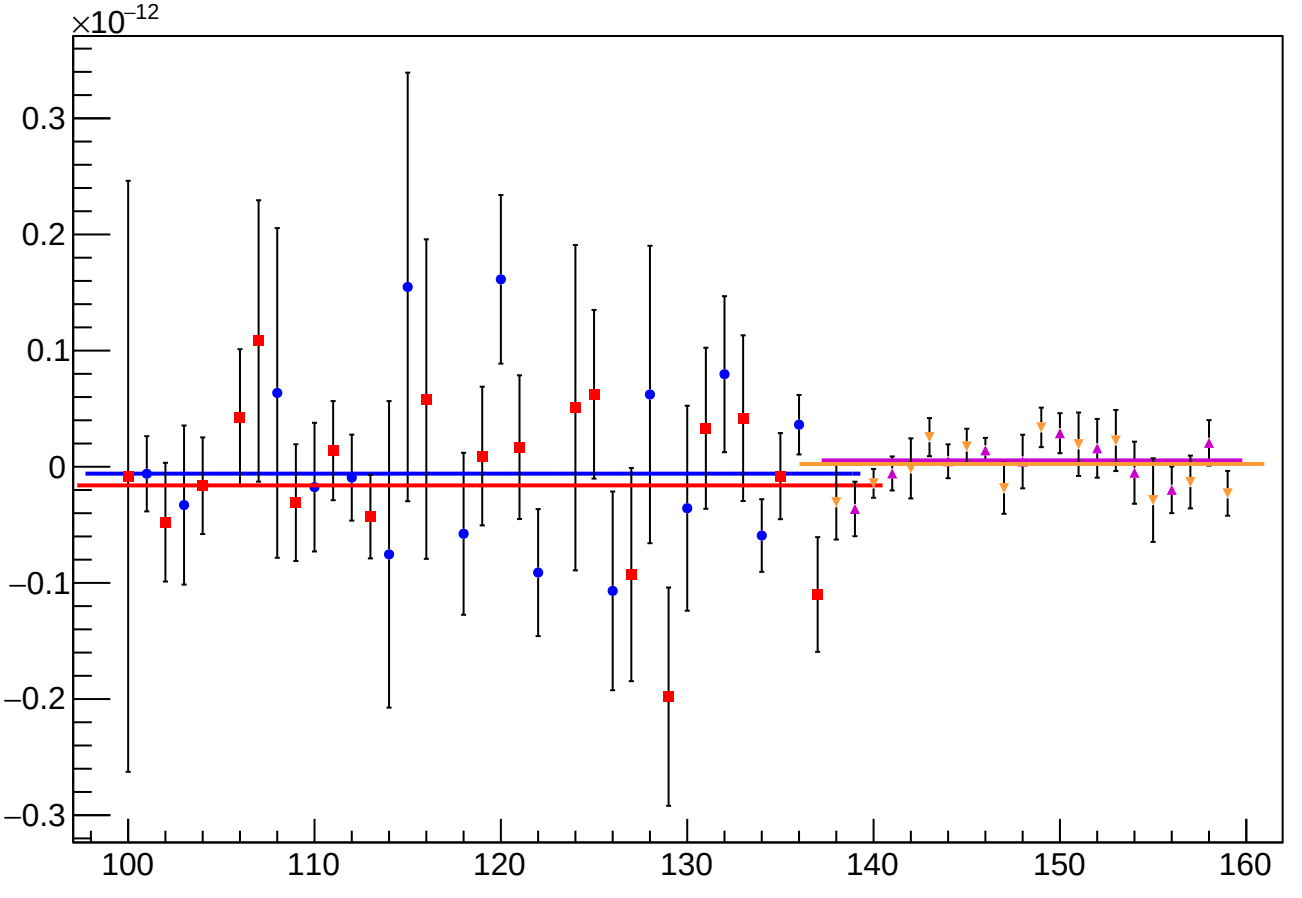
Left: 46.287+/-0.008 χ^2/NDF: 1086709.3/21

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 31.882+/-0.006 χ^2/NDF:5314451.5/25

Out: 29.368+/-0.006 χ^2/NDF:7451844.6/30

All: 30.518+/-0.004 χ^2/NDF: 12849397.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/9

Left: 0.000+/-0.000 χ^2/NDF: 23.0/21

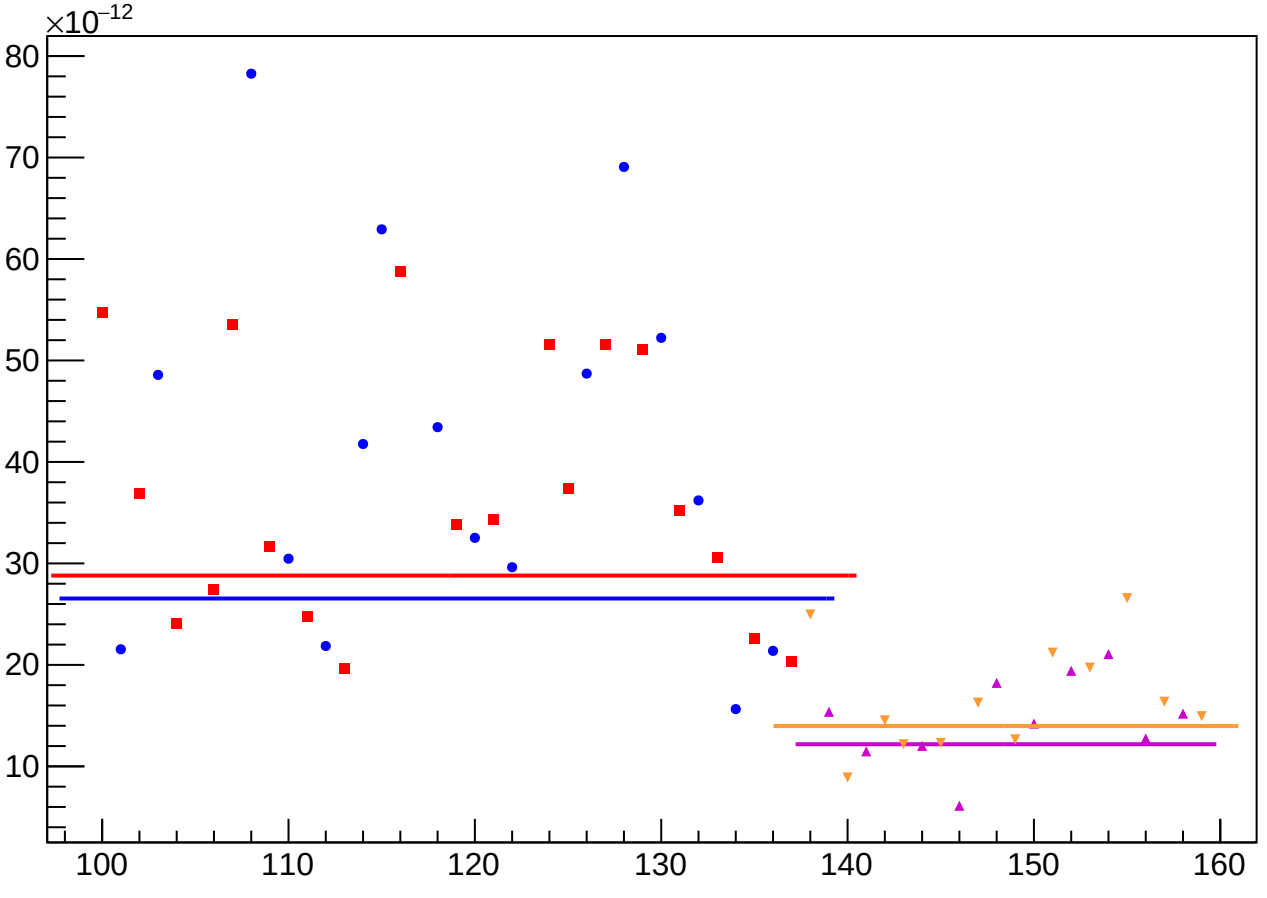
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/25

Out: -0.000+/-0.000 χ^2/NDF:30.7/30

All: 0.000+/-0.000 χ^2/NDF: 59.3/56

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1160064.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1283632.1/9

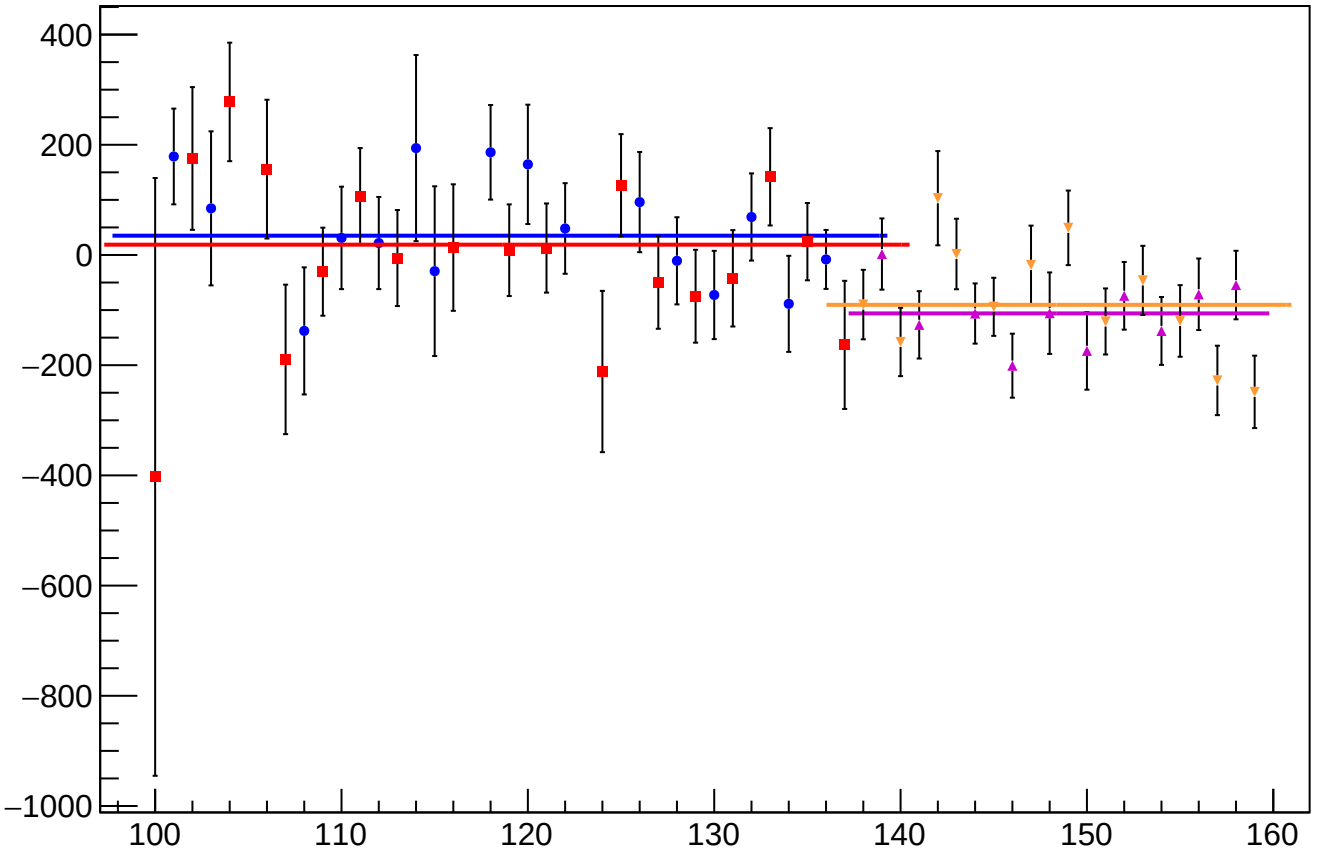
Left: 0.000+/-0.000 χ^2/NDF: 2545704.1/21

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:5126825.4/25

Out: 0.000+/-0.000 χ^2/NDF:4172072.5/30

All: 0.000+/-0.000 χ^2/NDF: 9427567.9/56



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -90.472+/-18.505 χ^2/NDF:25.2/11

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -106.018+/-19.809 χ^2/NDF:8.0/9

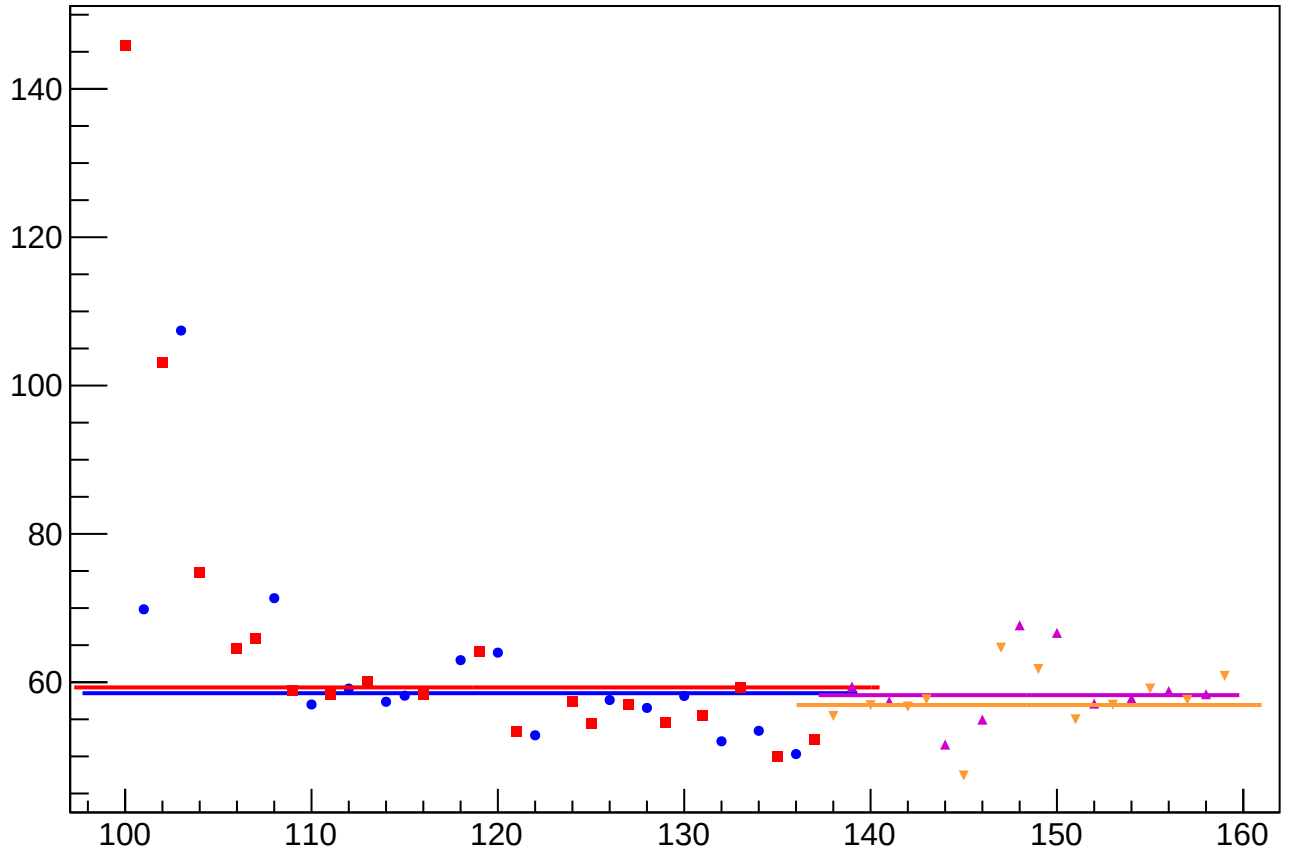
Left: -97.716+/-13.523 χ^2/NDF: 33.5/21

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -43.294+/-14.761 χ^2/NDF:46.7/25

Out: -45.569+/-14.198 χ^2/NDF:63.0/30

All: -44.476+/-10.233 χ^2/NDF: 109.7/56



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.934+/-0.013 χ^2/NDF:112024.3/11

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

Left: 57.552+/-0.010 χ^2/NDF: 215871.4/21

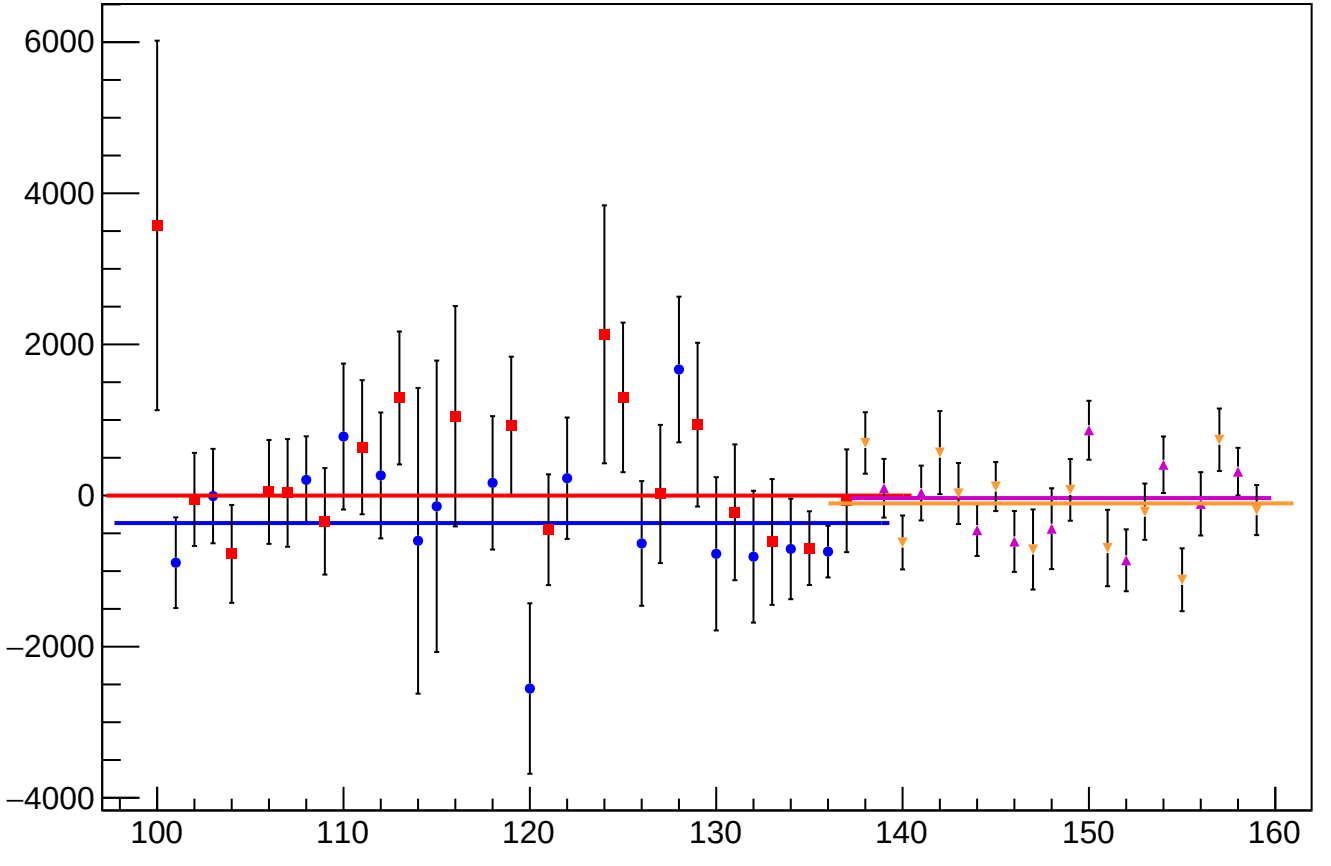
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.377+/-0.010 χ^2/NDF:491952.0/25

Out: 57.908+/-0.010 χ^2/NDF:532099.5/30

All: 58.133+/-0.007 χ^2/NDF: 1025100.8/56

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -103.810+/-116.054 χ^2/NDF:21.1/11

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -33.270+/-121.347 χ^2/NDF:16.3/9

Left: -70.112+/-83.872 χ^2/NDF: 37.6/21

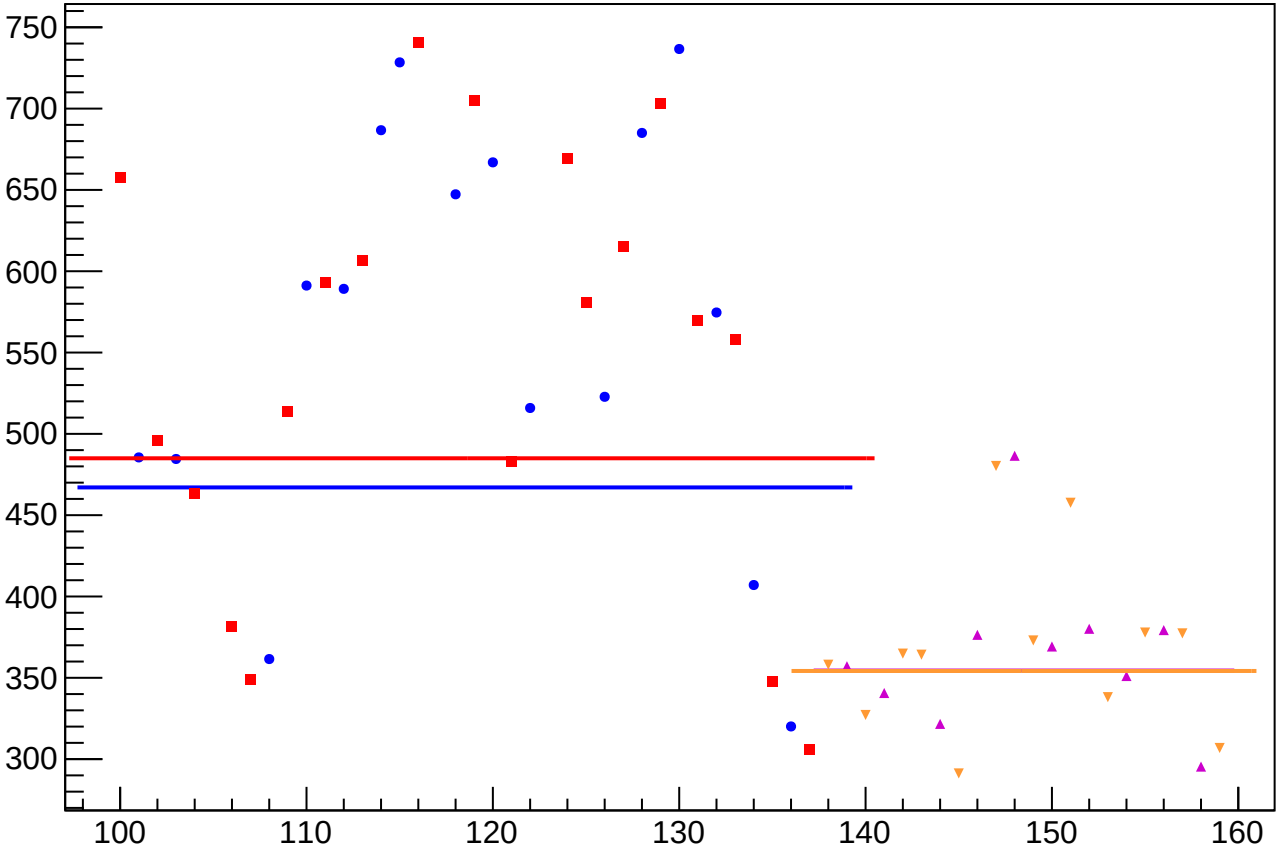
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -136.163+/-100.722 χ^2/NDF:33.8/25

Out: -74.218+/-98.021 χ^2/NDF:36.4/30

All: -104.349+/-70.247 χ^2/NDF: 70.4/56

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: 354.205+/-0.082 χ^2/NDF:347383.0/11

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 354.471+/-0.086 χ^2/NDF:237590.8/9

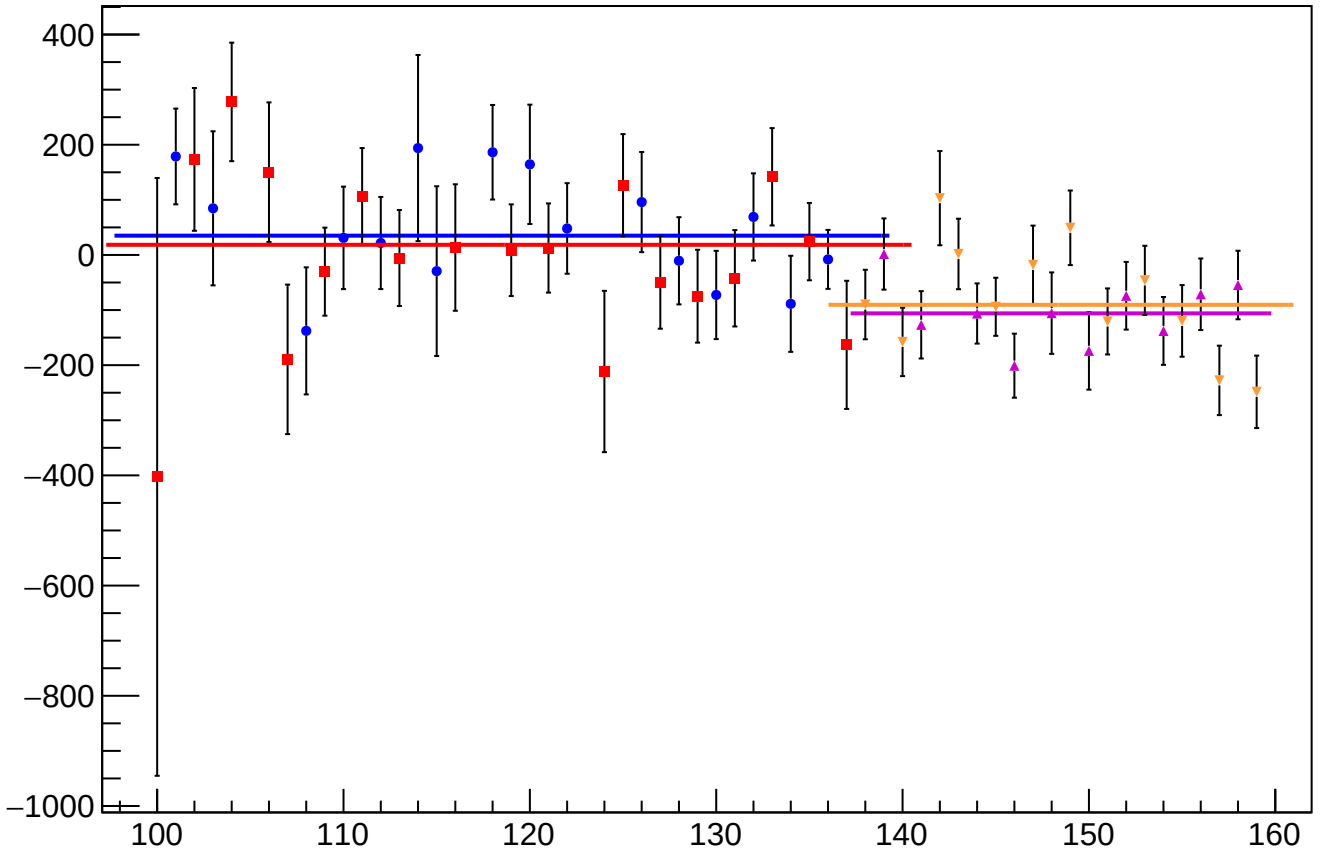
Left: 354.332+/-0.059 χ^2/NDF: 584978.8/21

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 389.493+/-0.071 χ^2/NDF:1803470.9/25

Out: 391.690+/-0.069 χ^2/NDF:1949426.0/30

All: 390.621+/-0.050 χ^2/NDF: 3753385.7/56



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -90.468+/-18.505 χ^2/NDF:25.2/11

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -106.018+/-19.809 χ^2/NDF:8.0/9

Left: -97.715+/-13.523 χ^2/NDF: 33.5/21

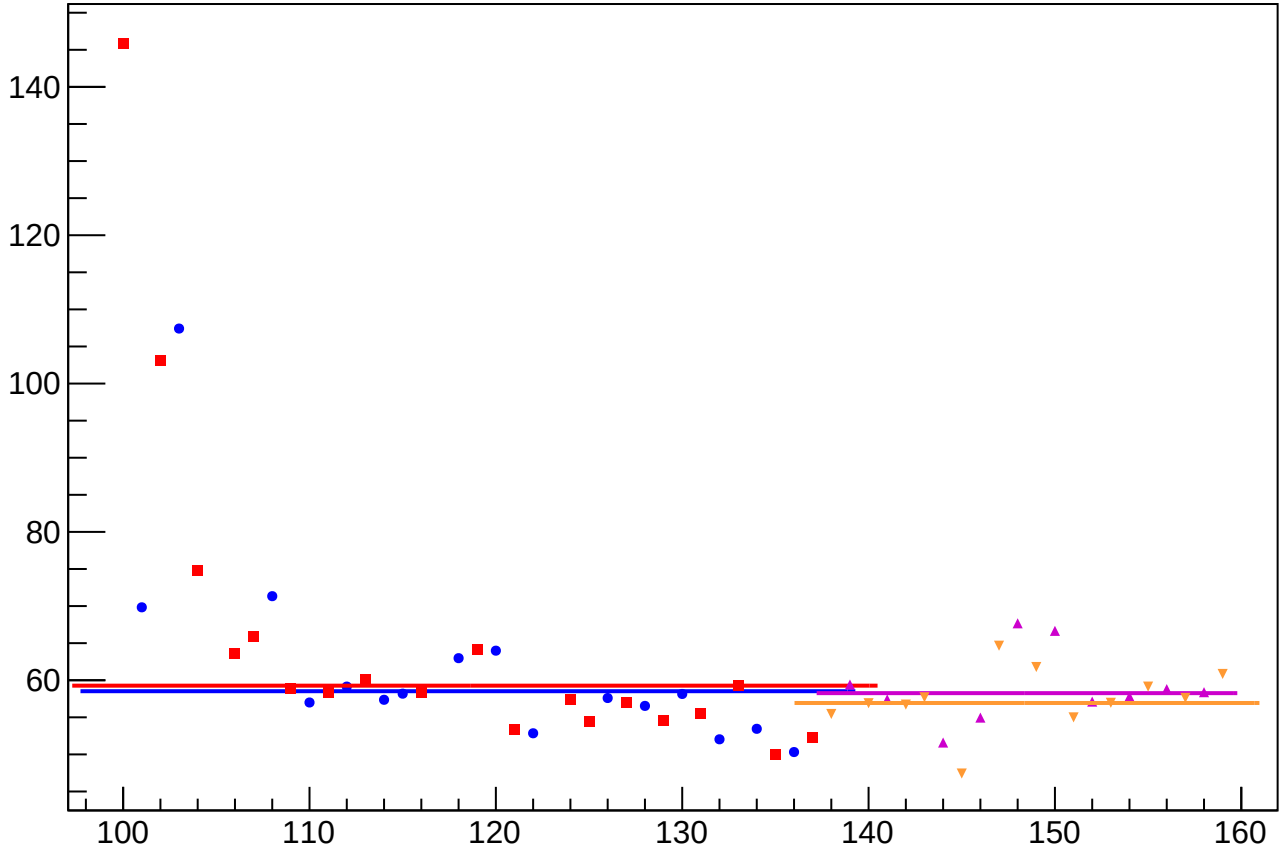
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -43.295+/-14.761 χ^2/NDF:46.7/25

Out: -45.689+/-14.199 χ^2/NDF:62.8/30

All: -44.539+/-10.233 χ^2/NDF: 109.5/56

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.934+/-0.013 χ^2/NDF:112024.3/11

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

Left: 57.552+/-0.010 χ^2/NDF: 215871.4/21

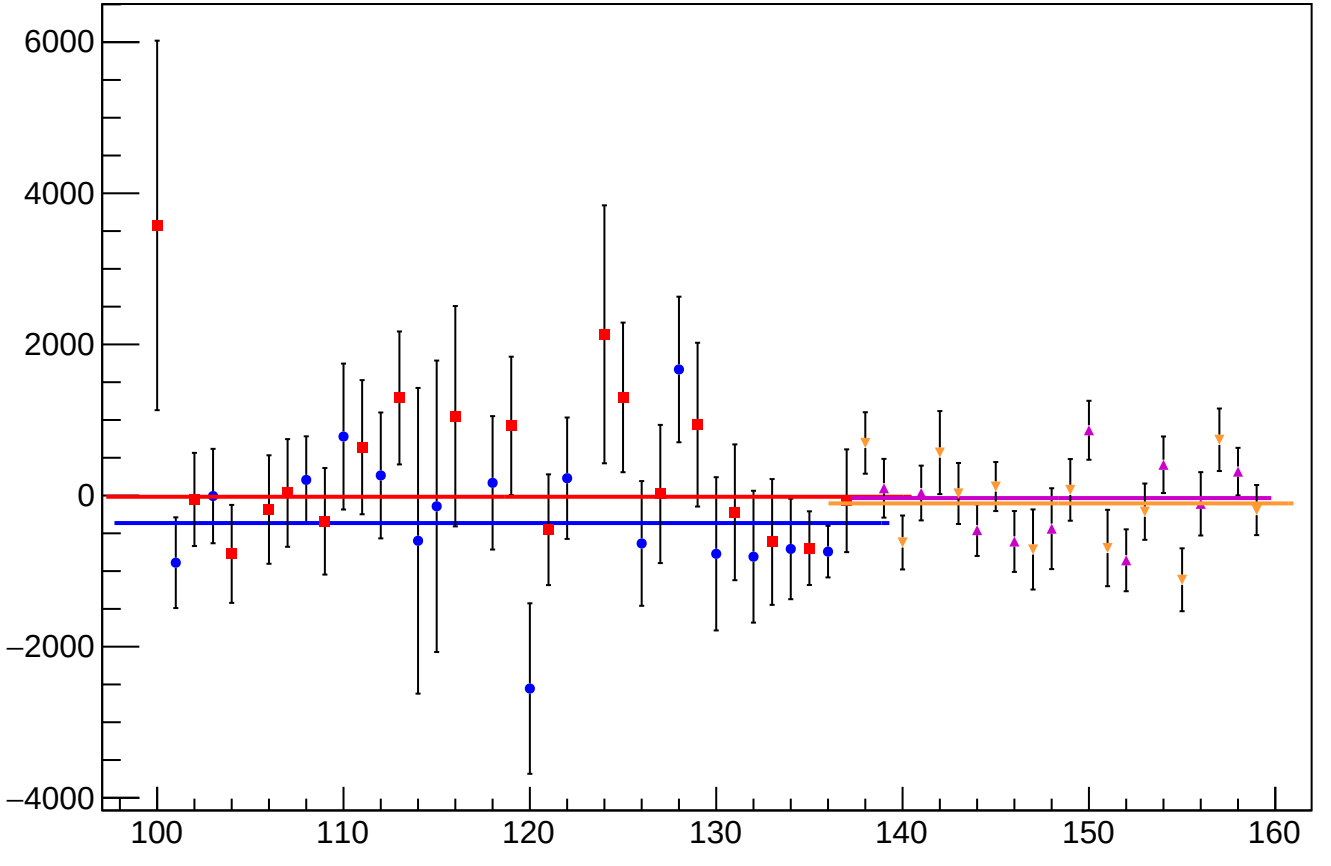
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.377+/-0.010 χ^2/NDF:491954.1/25

Out: 57.894+/-0.010 χ^2/NDF:530741.9/30

All: 58.126+/-0.007 χ^2/NDF: 1023805.5/56

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -103.809+/-116.054 χ^2/NDF:21.1/11

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -33.270+/-121.347 χ^2/NDF:16.3/9

Left: -70.112+/-83.872 χ^2/NDF: 37.6/21

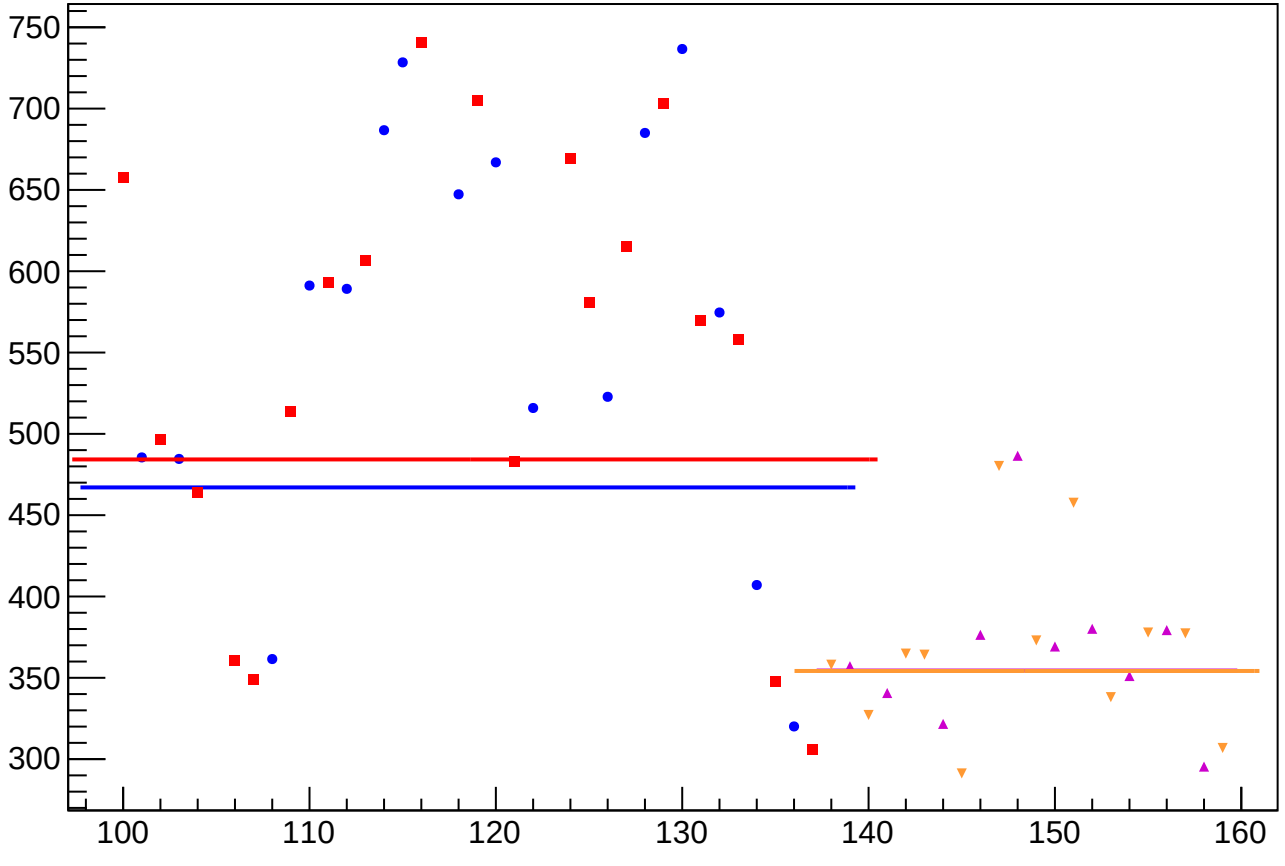
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -136.151+/-100.723 χ^2/NDF:33.8/25

Out: -78.776+/-98.107 χ^2/NDF:36.4/30

All: -106.709+/-70.279 χ^2/NDF: 70.4/56

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 354.205+/-0.082 χ^2/NDF:347384.0/11

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

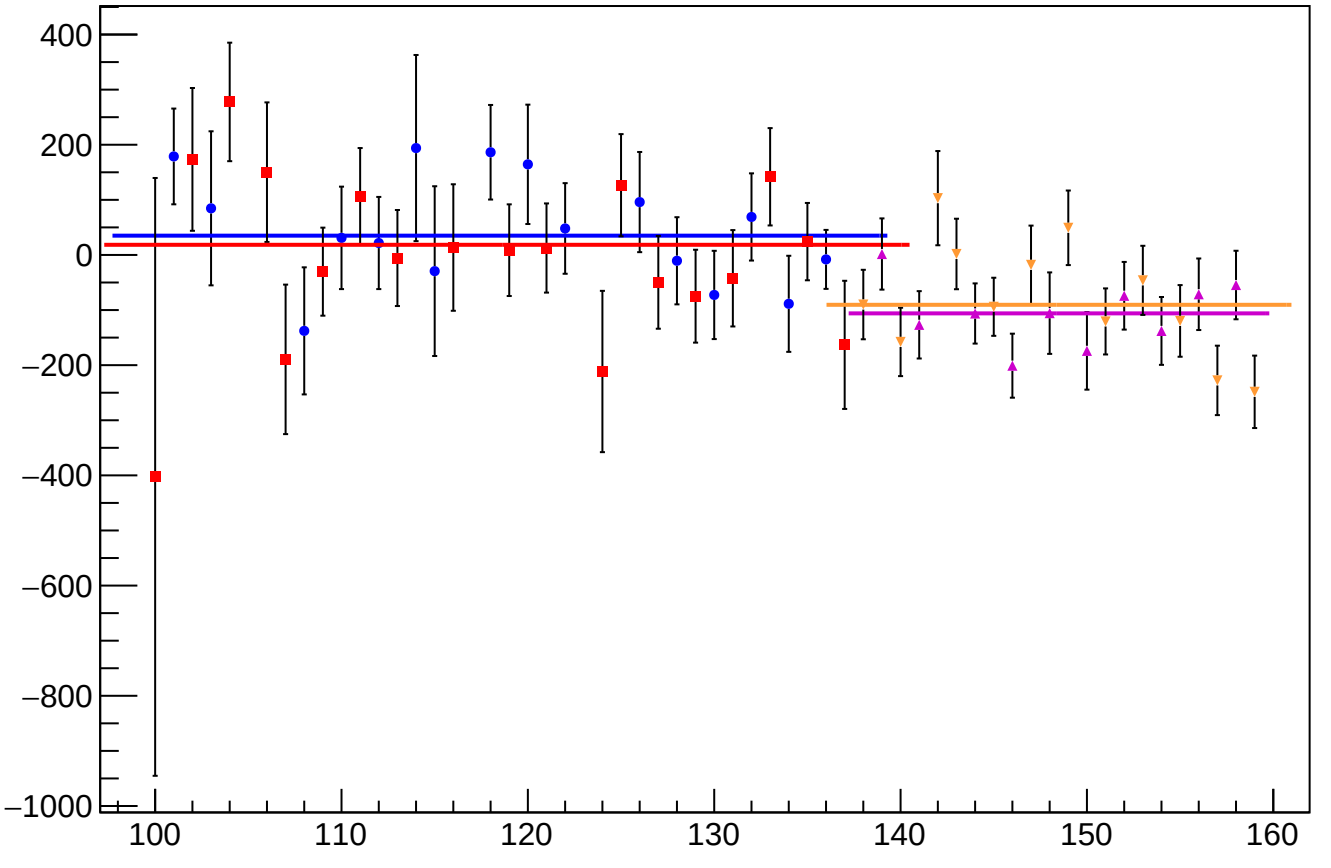
Left: 354.332+/-0.059 χ^2/NDF: 584980.3/21

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 389.493+/-0.071 χ^2/NDF:1803493.6/25

Out: 391.323+/-0.069 χ^2/NDF:1953099.3/30

All: 390.432+/-0.050 χ^2/NDF: 3756931.7/56



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -90.468+/-18.505 χ^2/NDF:25.2/11

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -106.018+/-19.809 χ^2/NDF:8.0/9

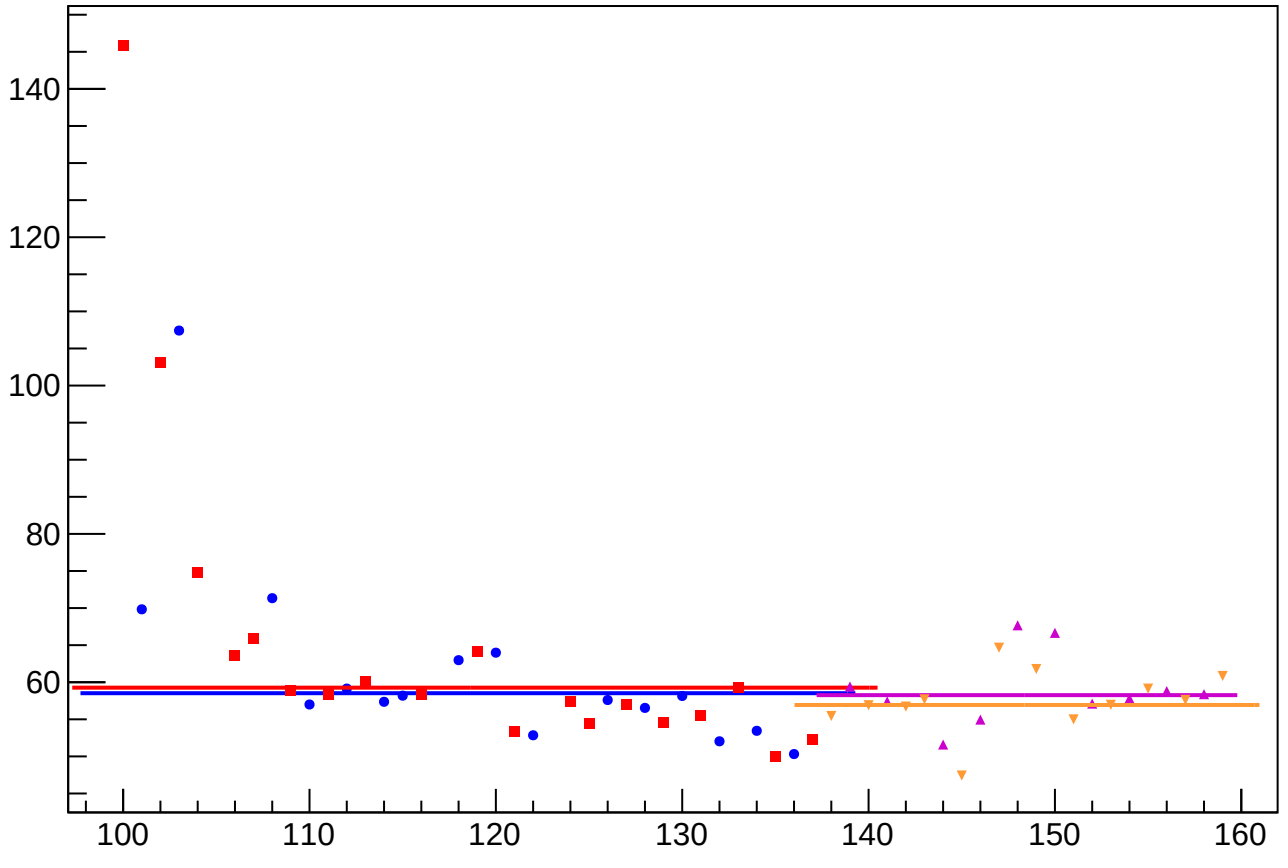
Left: -97.715+/-13.523 χ^2/NDF: 33.5/21

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -43.295+/-14.761 χ^2/NDF:46.7/25

Out: -45.689+/-14.199 χ^2/NDF:62.8/30

All: -44.539+/-10.233 χ^2/NDF: 109.5/56



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.934+/-0.013 χ^2/NDF:112024.3/11

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

Left: 57.552+/-0.010 χ^2/NDF: 215871.4/21

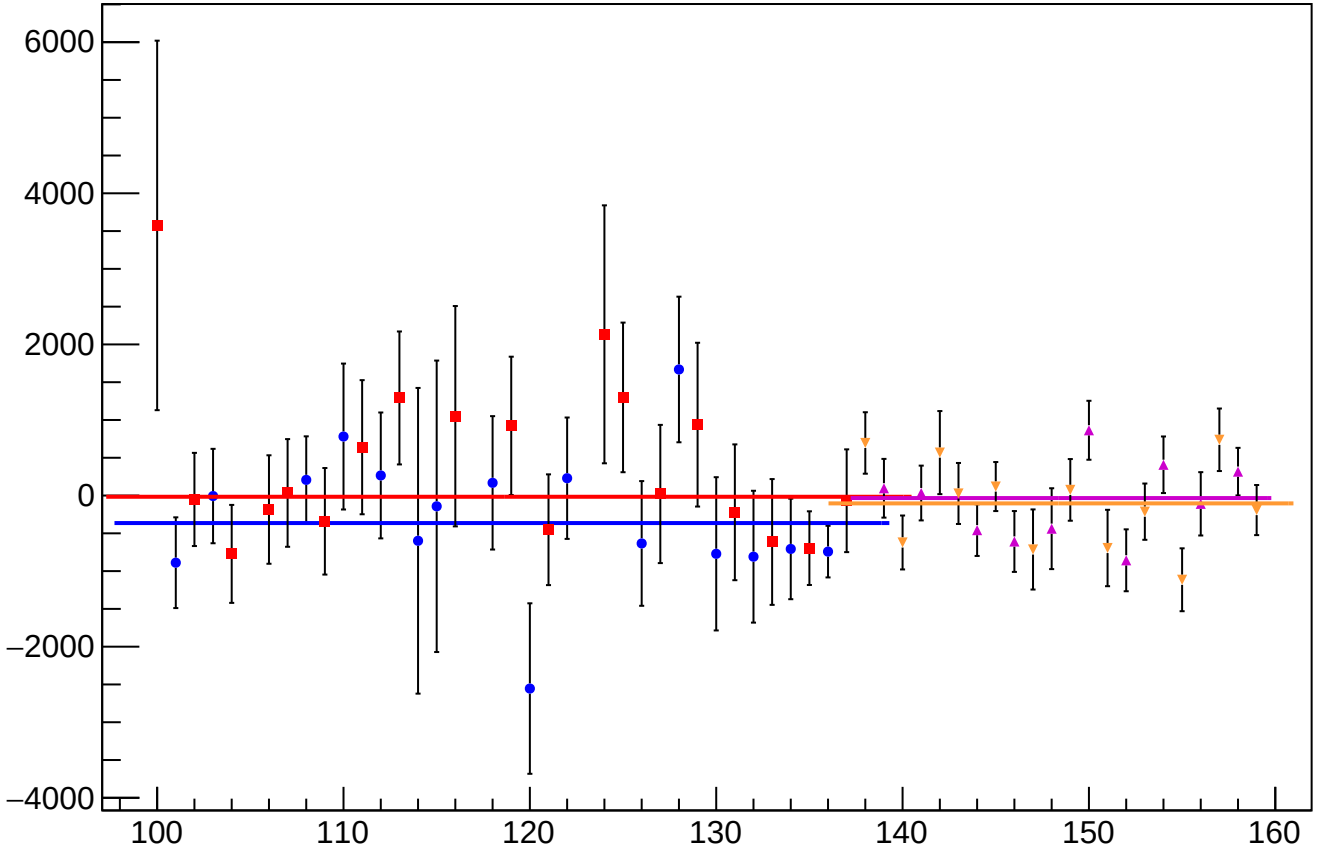
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.377+/-0.010 χ^2/NDF:491954.1/25

Out: 57.894+/-0.010 χ^2/NDF:530741.9/30

All: 58.126+/-0.007 χ^2/NDF: 1023805.5/56

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -103.809+/-116.054 χ^2/NDF:21.1/11

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -33.270+/-121.347 χ^2/NDF:16.3/9

Left: -70.112+/-83.872 χ^2/NDF: 37.6/21

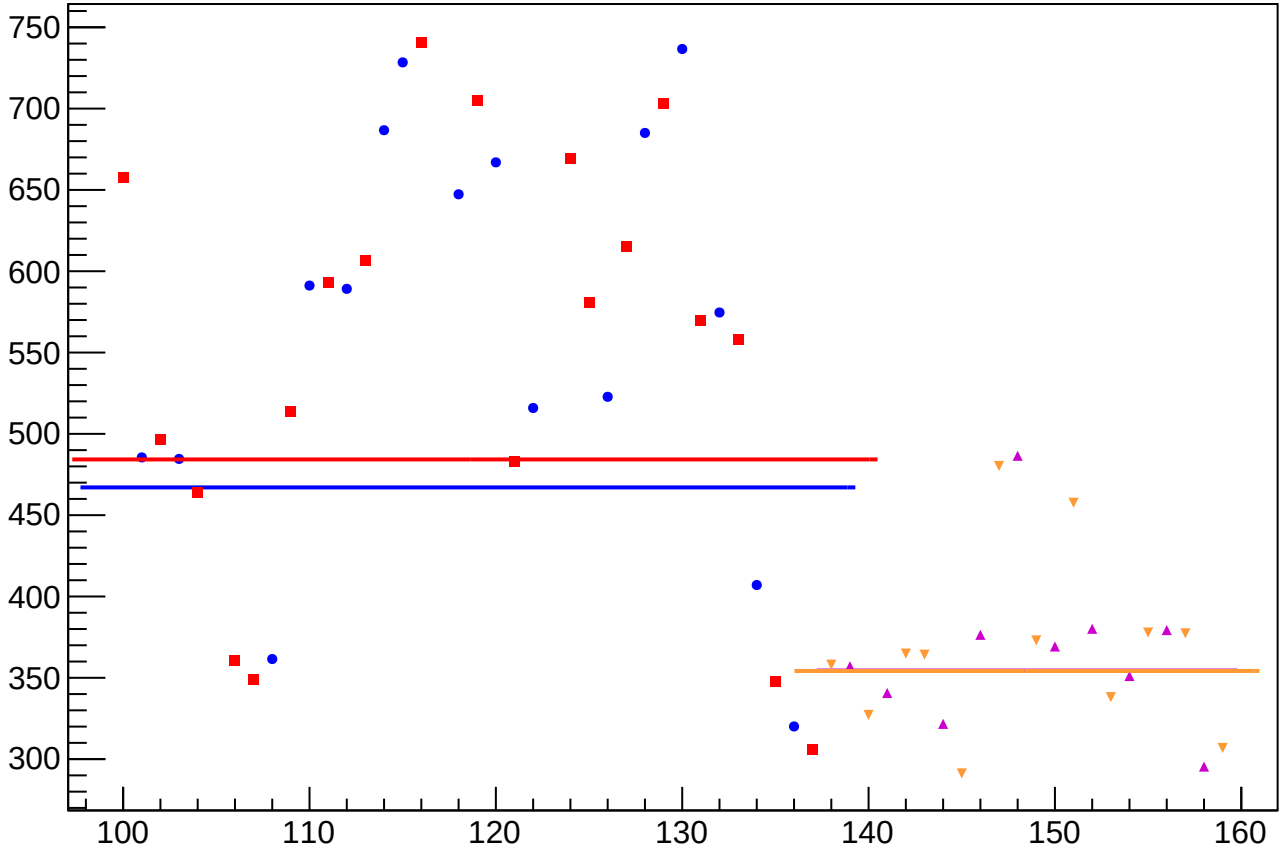
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -136.151+/-100.723 χ^2/NDF:33.8/25

Out: -78.776+/-98.107 χ^2/NDF:36.4/30

All: -106.709+/-70.279 χ^2/NDF: 70.4/56

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: 354.205+/-0.082 χ^2/NDF:347384.0/11

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

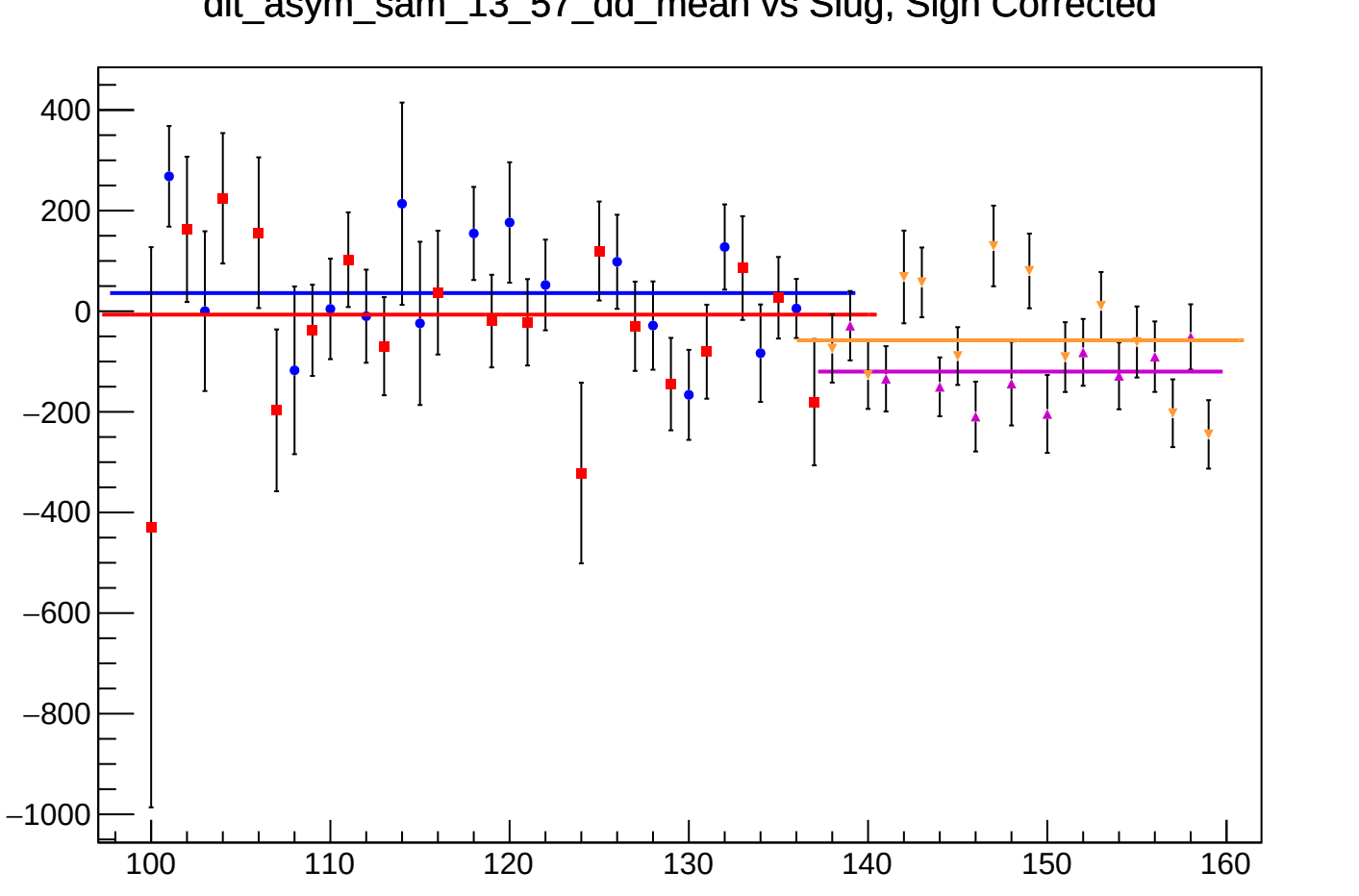
Left: 354.332+/-0.059 χ^2/NDF: 584980.3/21

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 389.493+/-0.071 χ^2/NDF:1803493.6/25

Out: 391.323+/-0.069 χ^2/NDF:1953099.3/30

All: 390.432+/-0.050 χ^2/NDF: 3756931.7/56



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -57.798+/-20.122 χ^2/NDF:28.4/11

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -119.948+/-21.551 χ^2/NDF:6.7/9

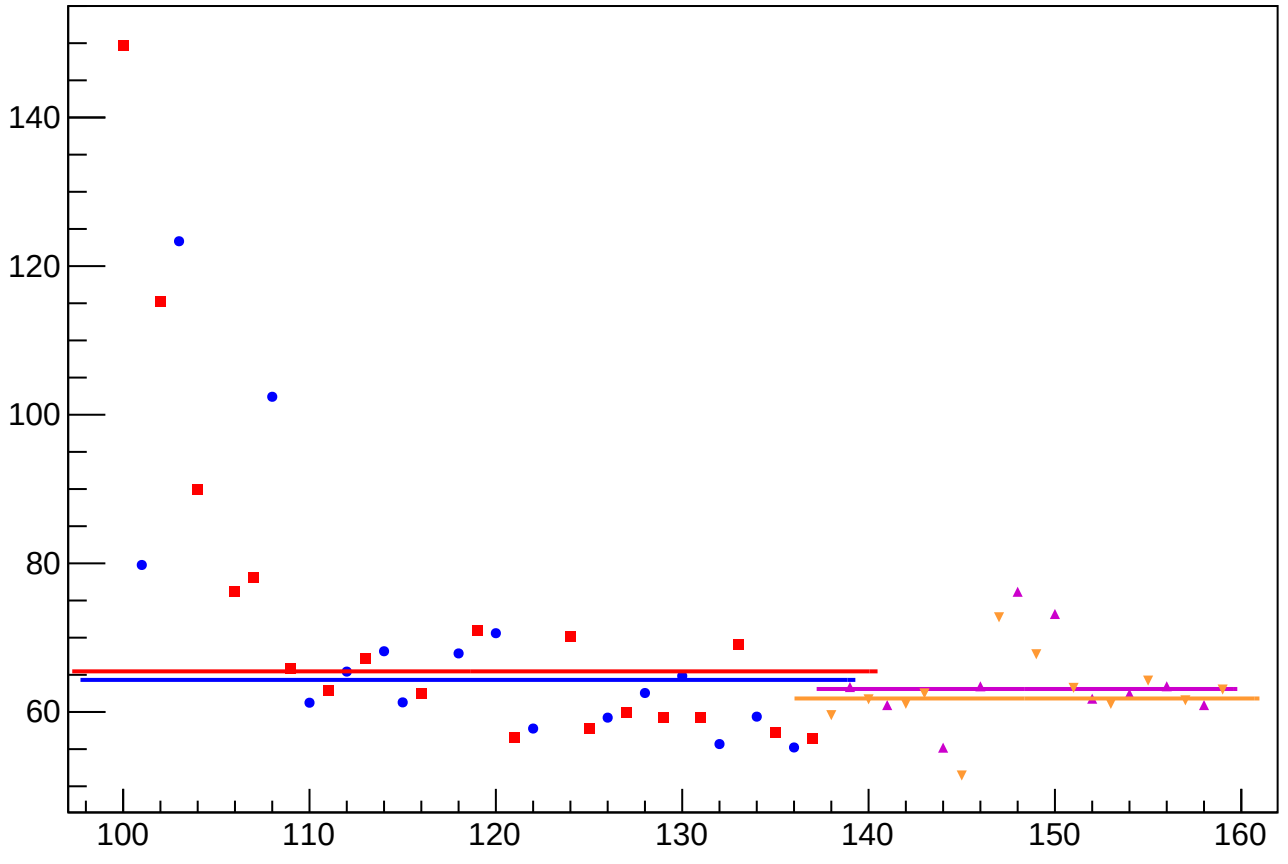
Left: -86.745+/-14.708 χ^2/NDF: 39.5/21

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -51.762+/-16.173 χ^2/NDF:49.2/25

Out: -37.294+/-15.566 χ^2/NDF:51.3/30

All: -44.251+/-11.215 χ^2/NDF: 101.0/56



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.817+/-0.014 χ^2/NDF:121673.1/11

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.094+/-0.015 χ^2/NDF:125412.3/9

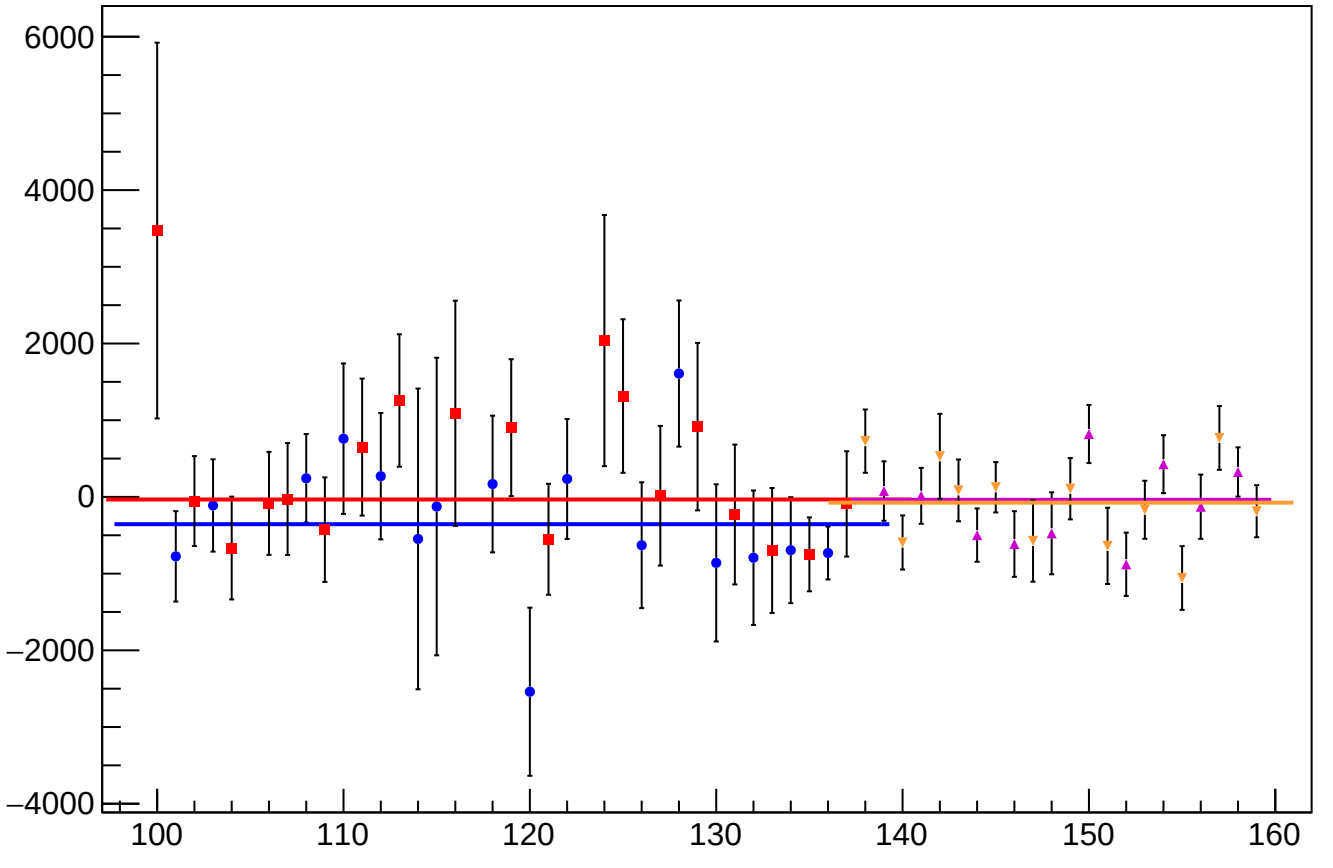
Left: 62.412+/-0.010 χ^2/NDF: 250838.6/21

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.628+/-0.011 χ^2/NDF:660286.8/25

Out: 63.282+/-0.011 χ^2/NDF:630447.2/30

All: 63.449+/-0.008 χ^2/NDF: 1291208.5/56



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -74.462+/-116.472 χ^2/NDF:19.9/11

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -38.224+/-122.511 χ^2/NDF:16.5/9

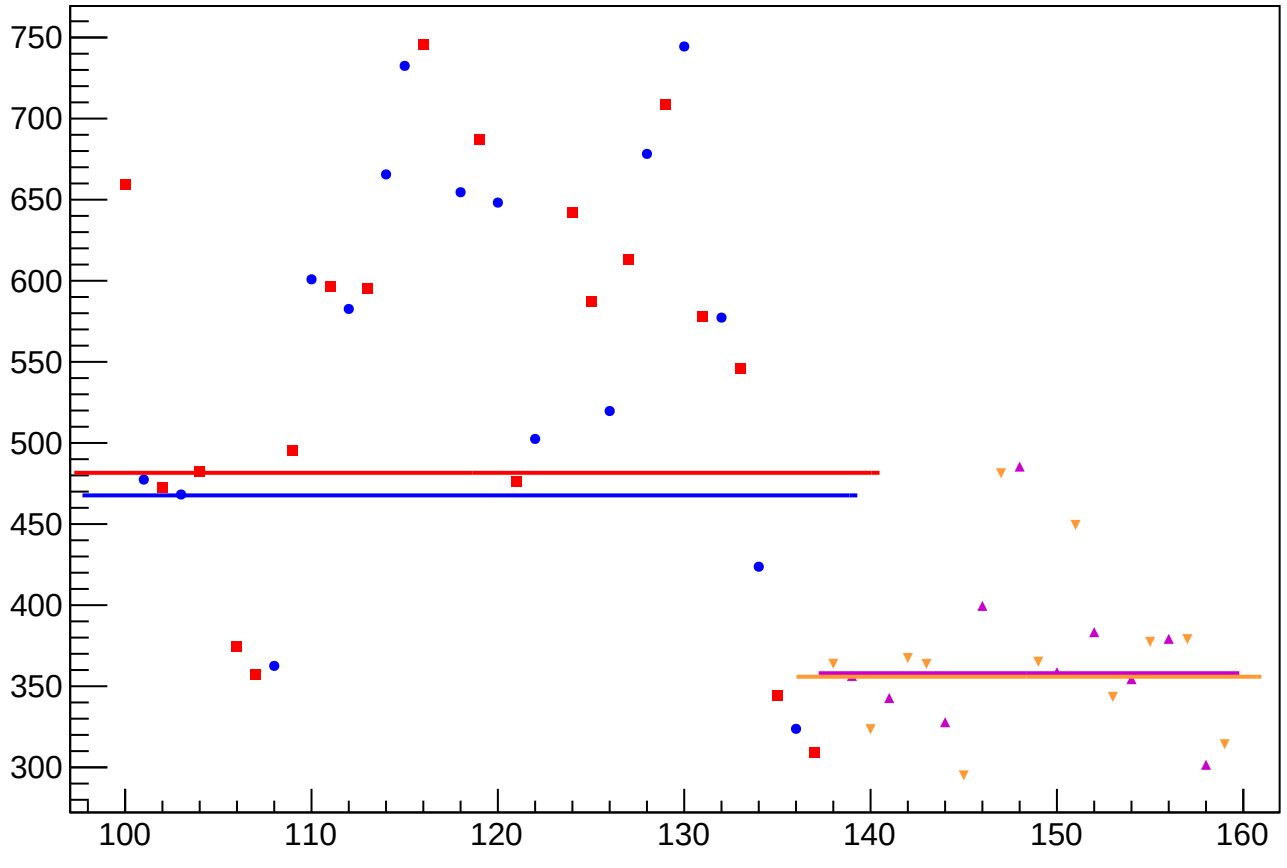
Left: -57.258+/-84.412 χ^2/NDF: 36.4/21

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -138.423+/-101.338 χ^2/NDF:33.4/25

Out: -62.603+/-98.034 χ^2/NDF:35.4/30

All: -99.257+/-70.460 χ^2/NDF: 69.0/56



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 355.867+/-0.082 χ^2/NDF:315099.3/11

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 358.032+/-0.087 χ^2/NDF:225848.2/9

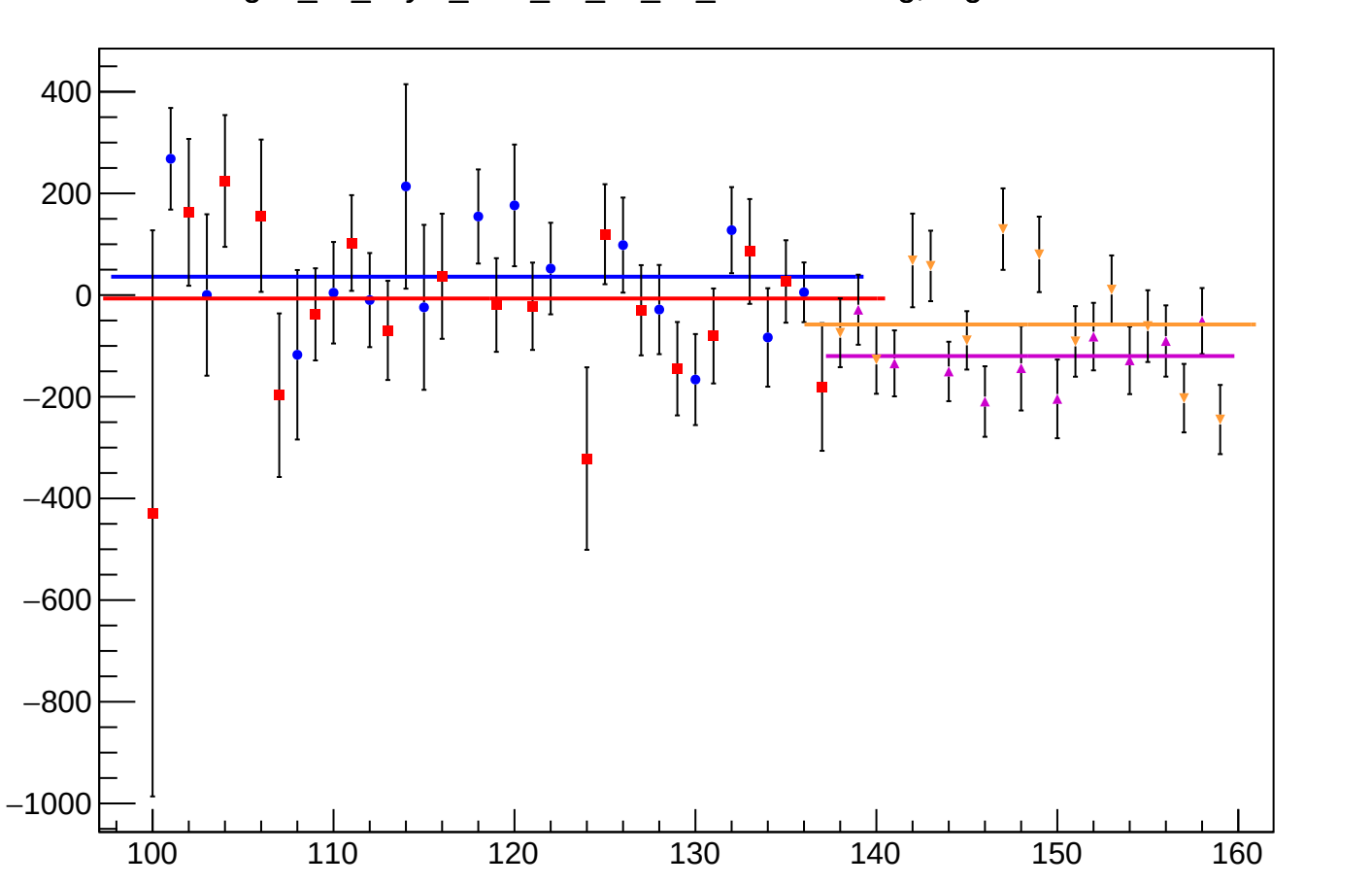
Left: 356.895+/-0.060 χ^2/NDF: 541275.8/21

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 392.655+/-0.072 χ^2/NDF:1717639.3/25

Out: 392.524+/-0.069 χ^2/NDF:1848888.3/30

All: 392.587+/-0.050 χ^2/NDF: 3566529.4/56



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -57.797+/-20.122 χ^2/NDF:28.4/11

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -119.948+/-21.551 χ^2/NDF:6.7/9

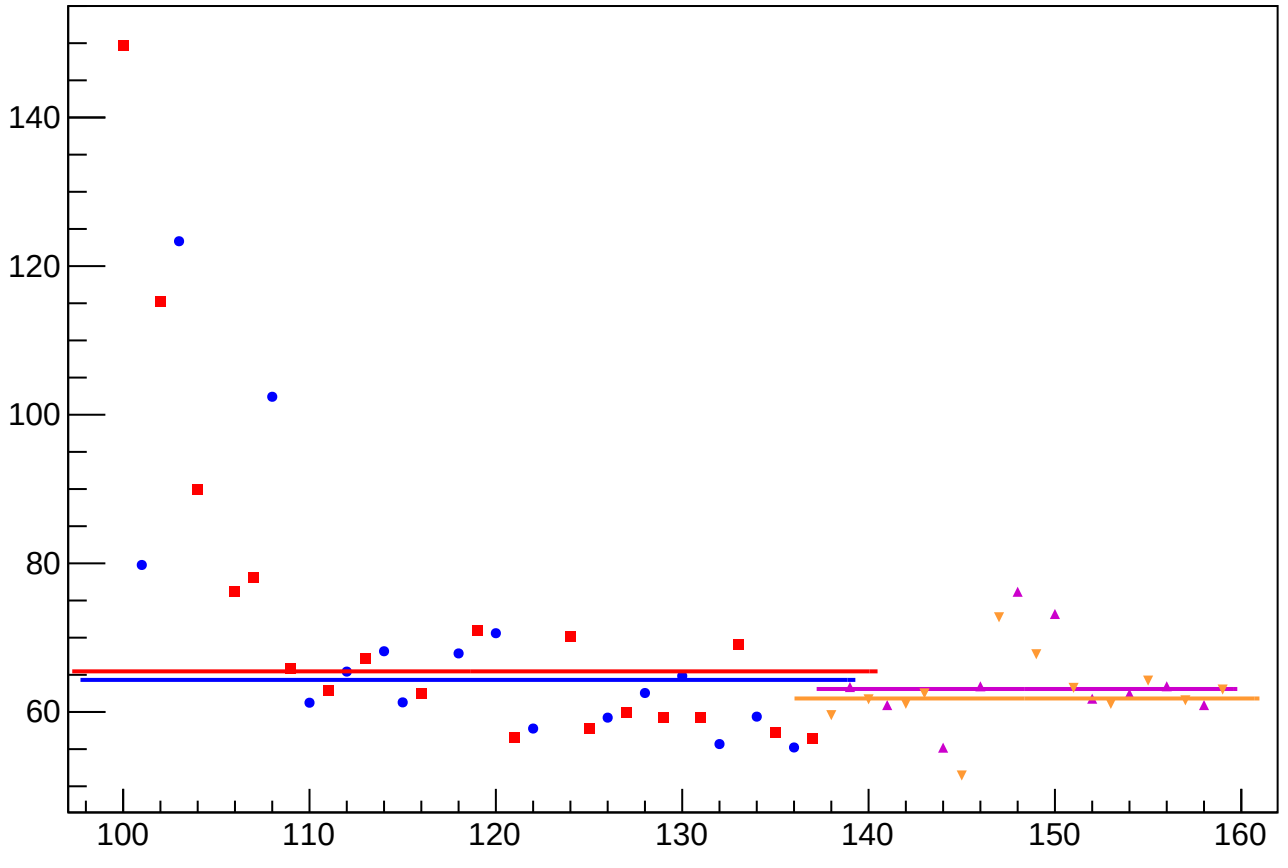
Left: -86.744+/-14.708 χ^2/NDF: 39.5/21

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -51.762+/-16.173 χ^2/NDF:49.2/25

Out: -37.293+/-15.566 χ^2/NDF:51.3/30

All: -44.251+/-11.215 χ^2/NDF: 101.0/56



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.817+/-0.014 χ^2/NDF:121676.1/11

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.094+/-0.015 χ^2/NDF:125414.7/9

Left: 62.412+/-0.010 χ^2/NDF: 250844.0/21

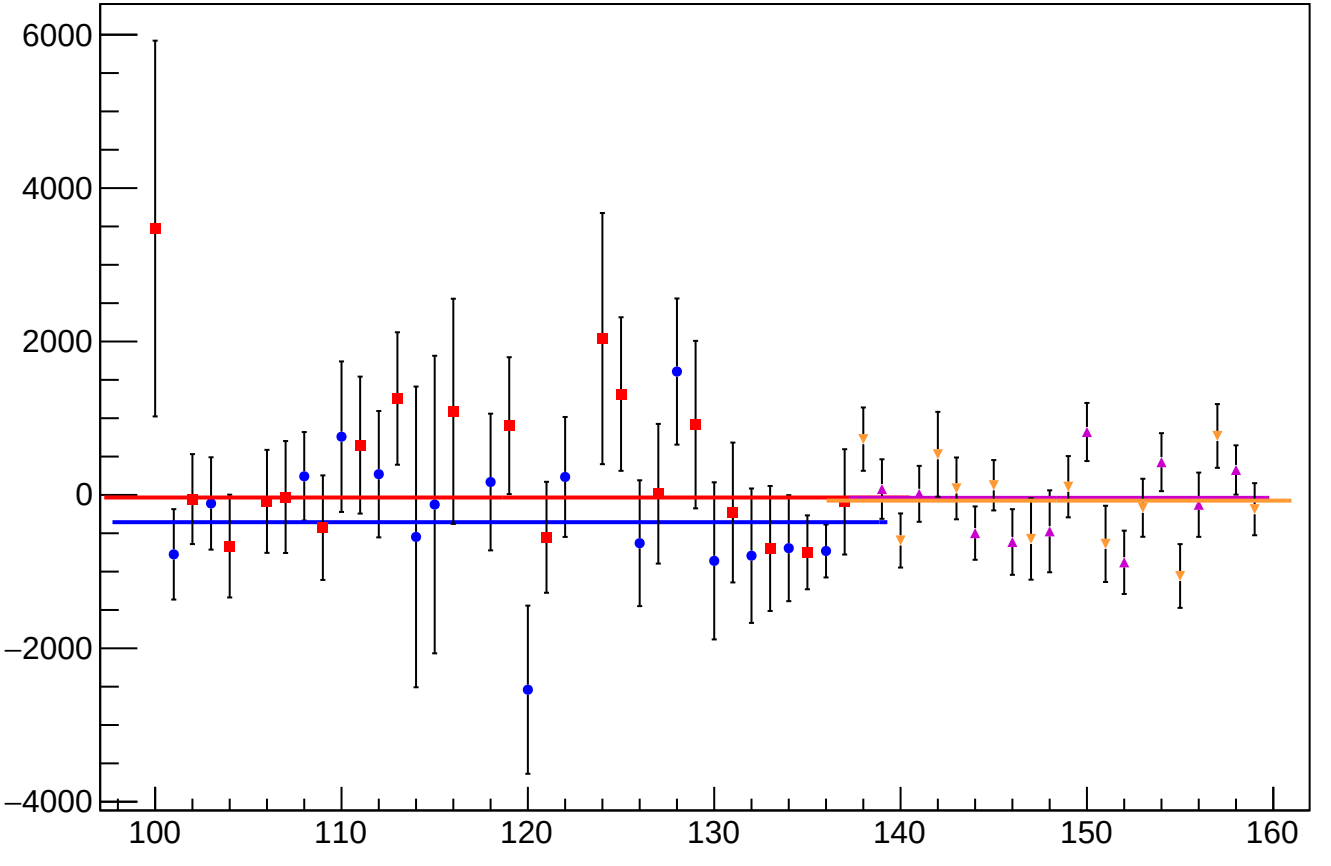
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.628+/-0.011 χ^2/NDF:660296.7/25

Out: 63.282+/-0.011 χ^2/NDF:630453.3/30

All: 63.449+/-0.008 χ^2/NDF: 1291224.5/56

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: -74.461+/-116.472 χ^2/NDF:19.9/11

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -38.224+/-122.511 χ^2/NDF:16.5/9

Left: -57.258+/-84.412 χ^2/NDF: 36.4/21

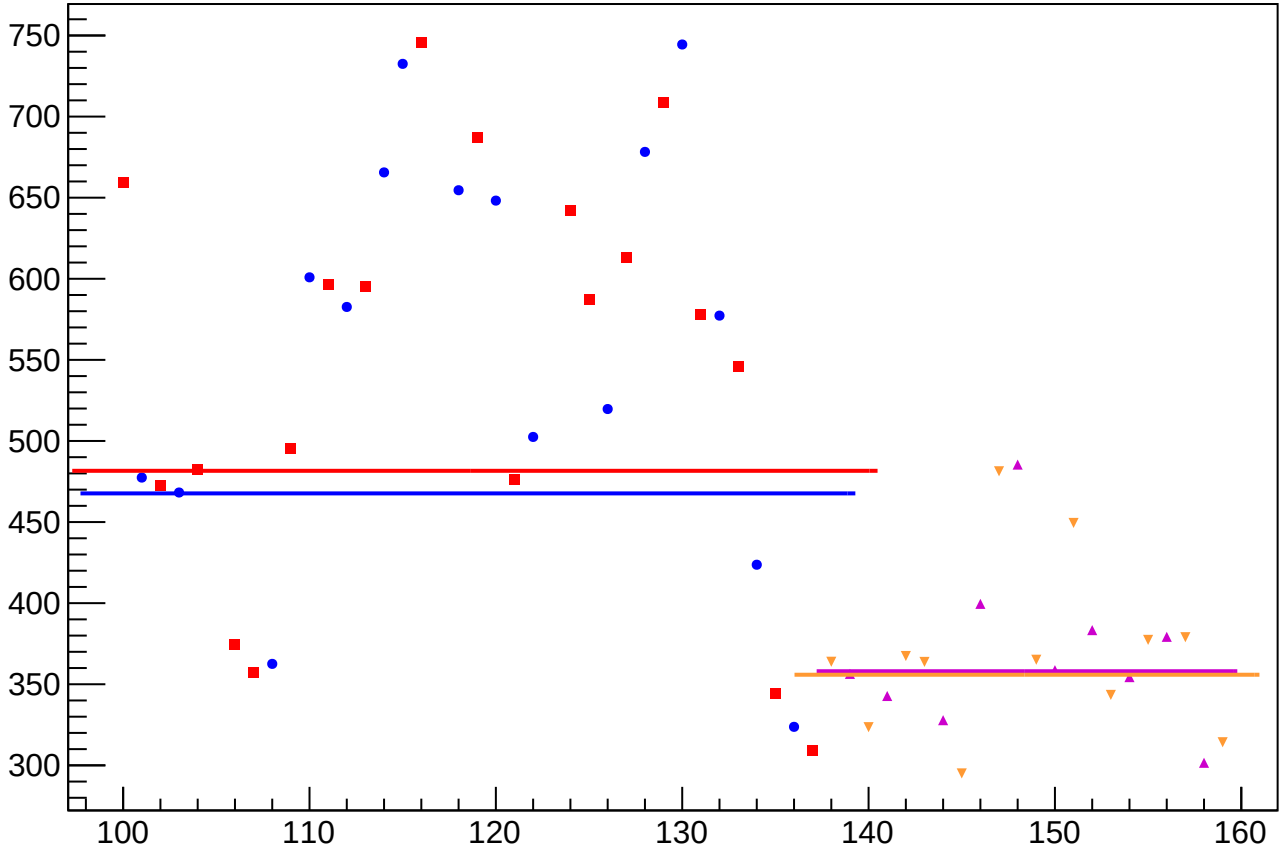
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -138.424+/-101.338 χ^2/NDF:33.4/25

Out: -62.603+/-98.034 χ^2/NDF:35.4/30

All: -99.257+/-70.460 χ^2/NDF: 69.0/56

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: 355.867+/-0.082 χ^2/NDF:315099.6/11

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 358.033+/-0.087 χ^2/NDF:225849.2/9

Left: 356.895+/-0.060 χ^2/NDF: 541277.1/21

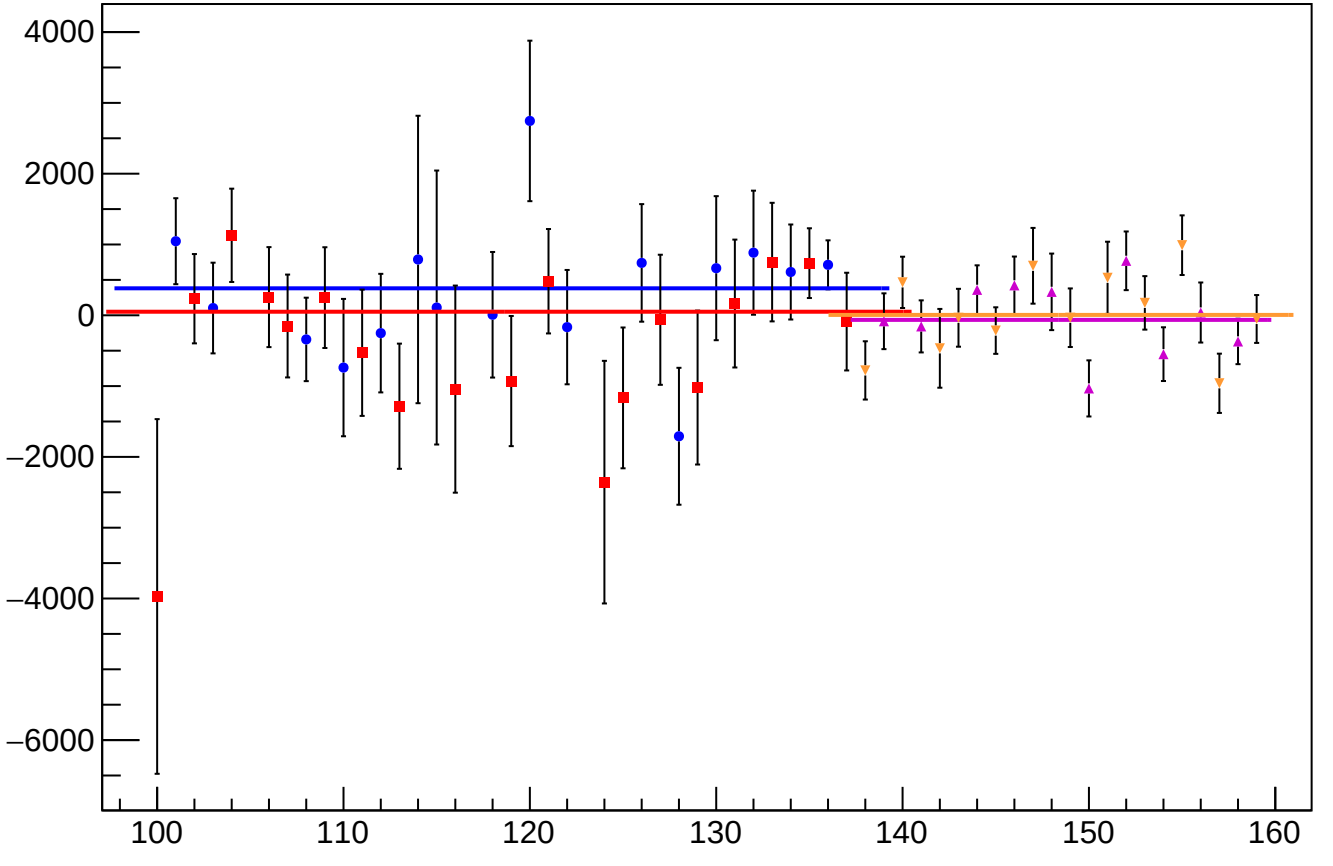
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 392.655+/-0.072 χ^2/NDF:1717635.5/25

Out: 392.524+/-0.069 χ^2/NDF:1848879.8/30

All: 392.587+/-0.050 χ^2/NDF: 3566517.1/56

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 5.368+/-117.622 χ^2/NDF:20.2/11

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -64.867+/-123.043 χ^2/NDF:16.1/9

Left: -28.168+/-85.023 χ^2/NDF: 36.5/21

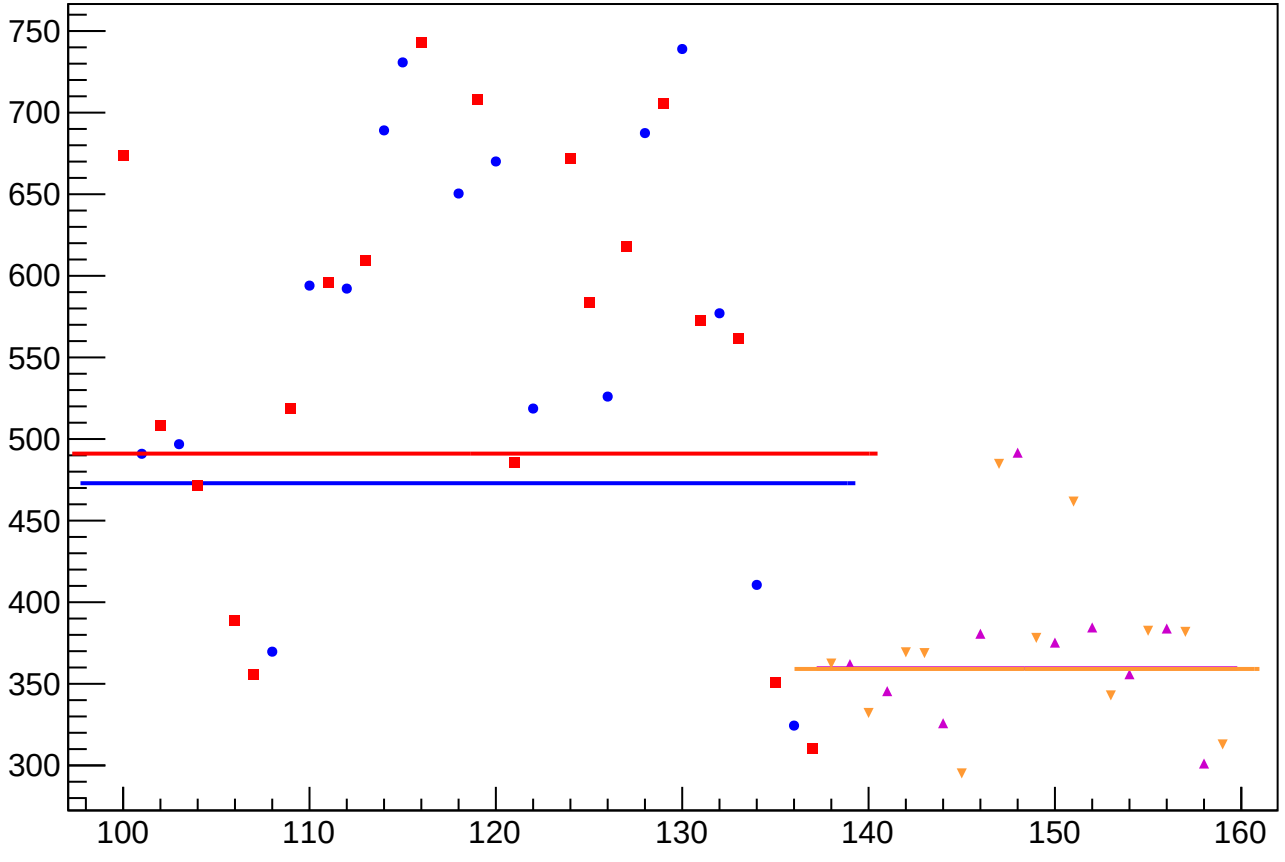
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 74.333+/-102.049 χ^2/NDF:36.4/25

Out: 18.303+/-99.299 χ^2/NDF:37.7/30

All: 45.553+/-71.167 χ^2/NDF: 74.3/56

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 359.119+/-0.083 χ^2/NDF:337552.6/11

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 359.543+/-0.087 χ^2/NDF:230200.9/9

Left: 359.321+/-0.060 χ^2/NDF: 567766.0/21

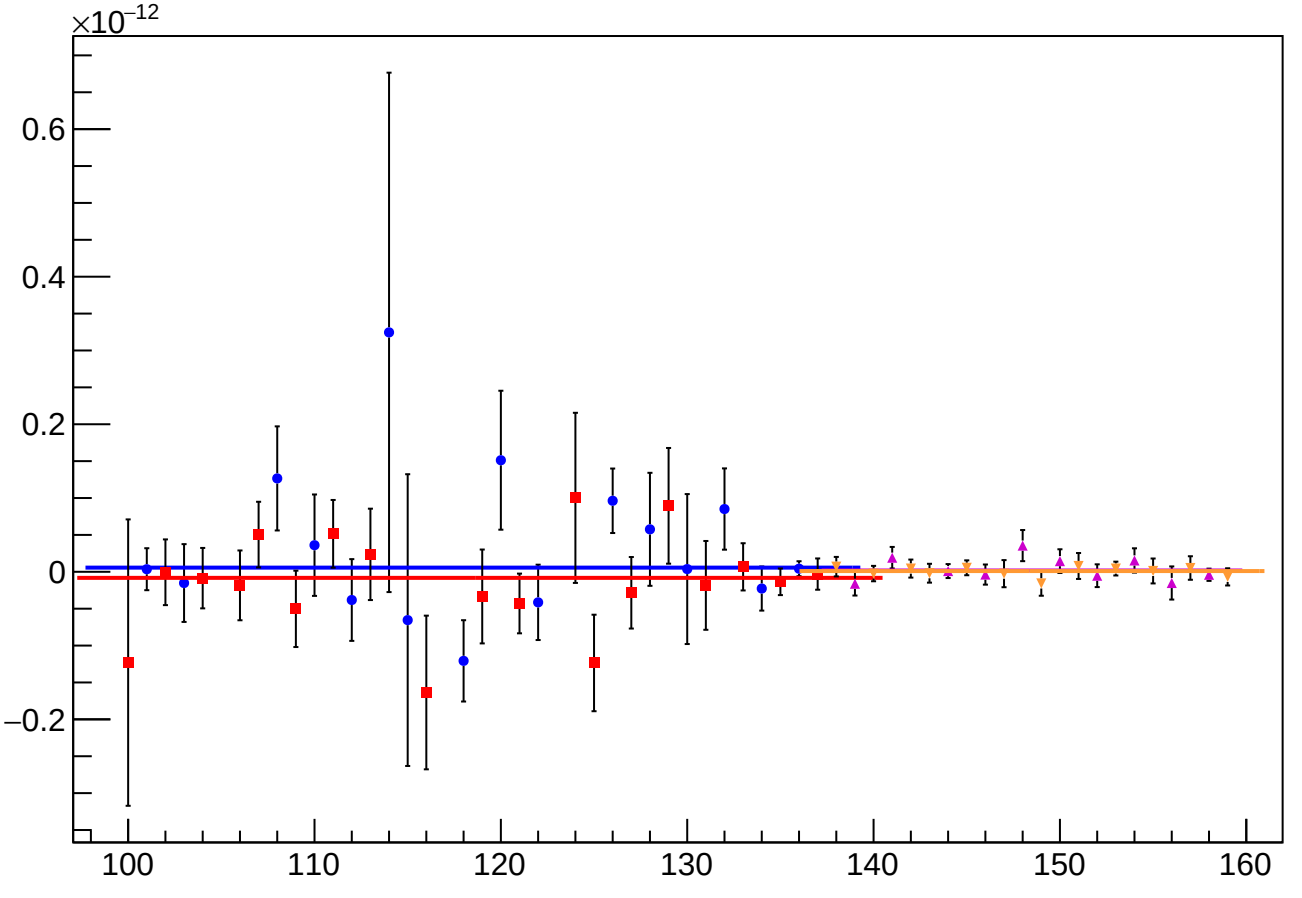
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 394.934+/-0.072 χ^2/NDF:1760566.5/25

Out: 397.025+/-0.070 χ^2/NDF:1908068.4/30

All: 396.008+/-0.050 χ^2/NDF: 3669066.2/56

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

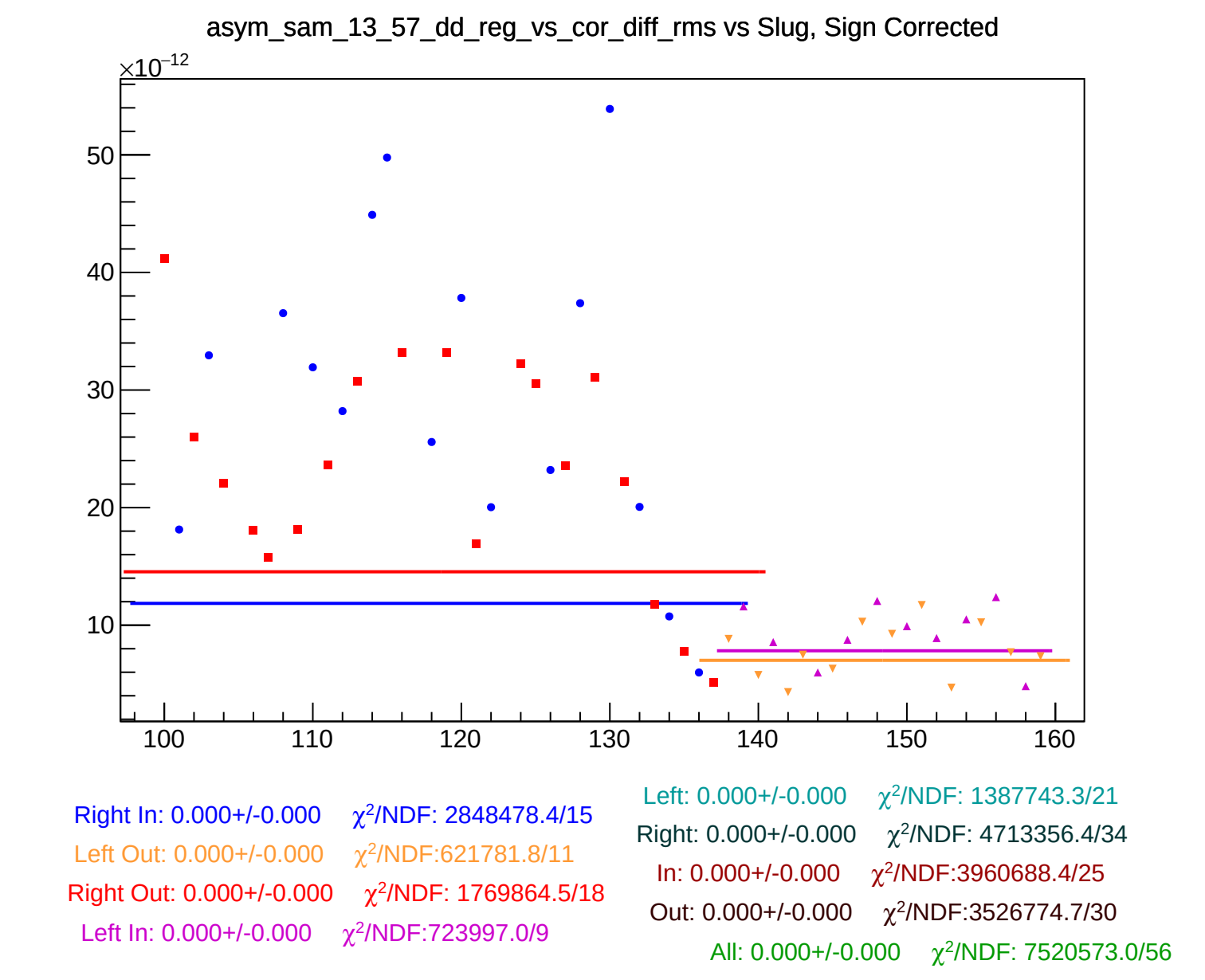
Left: 0.000+/-0.000 χ^2/NDF: 10.5/21

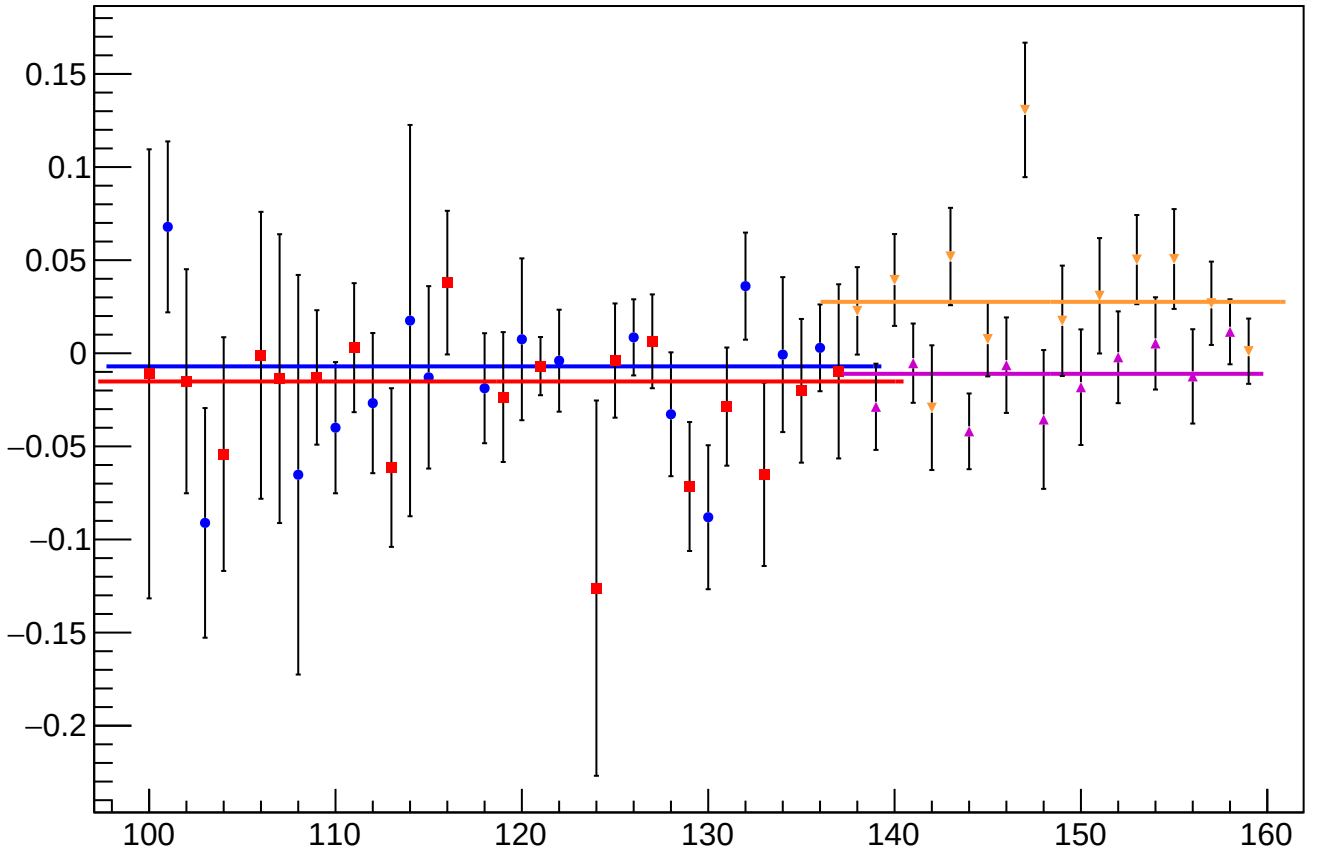
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:29.3/25

Out: -0.000+/-0.000 χ^2/NDF:17.3/30

All: 0.000+/-0.000 χ^2/NDF: 46.9/56


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
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:621781.8/11
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:723997.0/9
Left: 0.000+/-0.000 χ²/NDF: 1387743.3/21
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:3960688.4/25
Out: 0.000+/-0.000 χ²/NDF:3526774.7/30
All: 0.000+/-0.000 χ²/NDF: 7520573.0/56



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

Left: 0.009+/-0.005 χ^2/NDF: 36.9/21

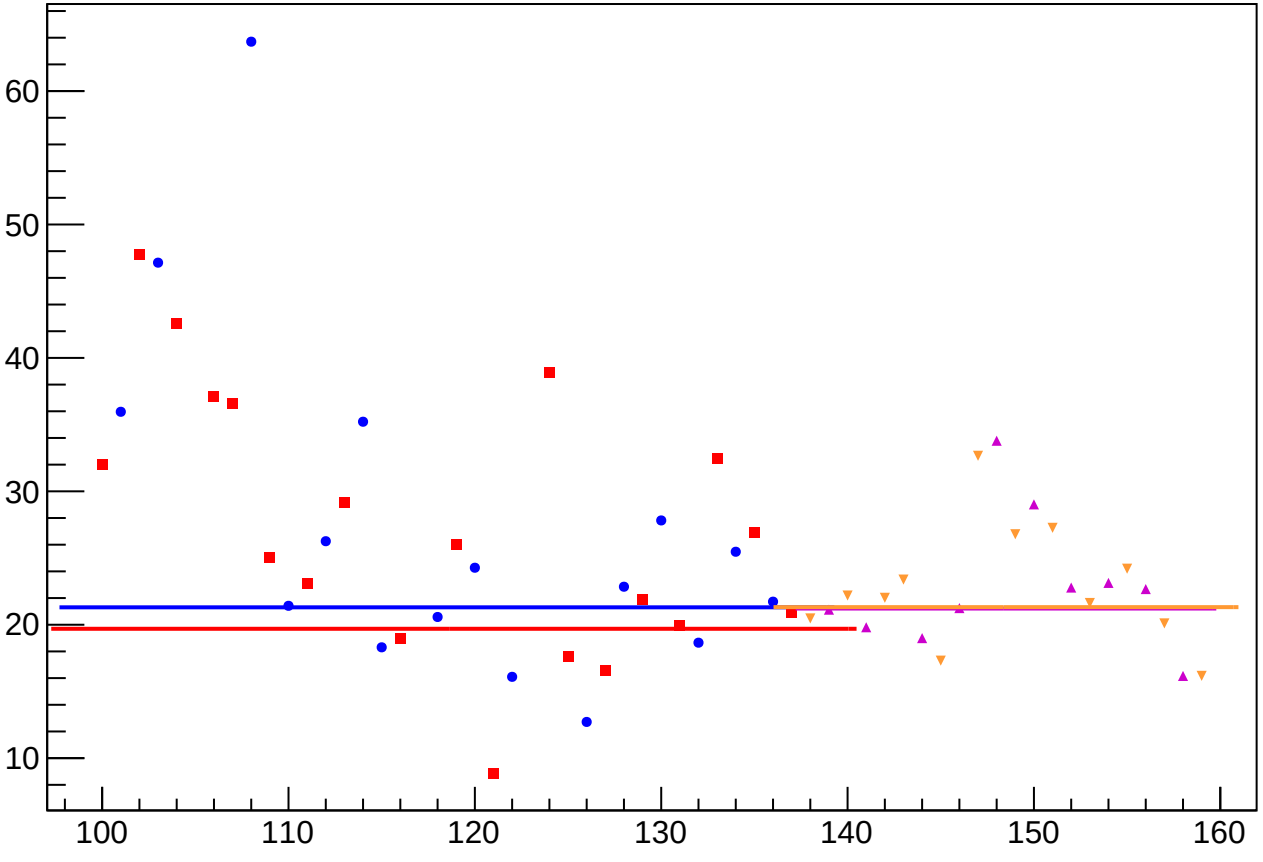
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.000+/-0.004 χ^2/NDF: 68.6/56

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.319+/-0.005 χ^2/NDF:640104.1/11

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

Left: 21.269+/-0.004 χ^2/NDF: 1221397.7/21

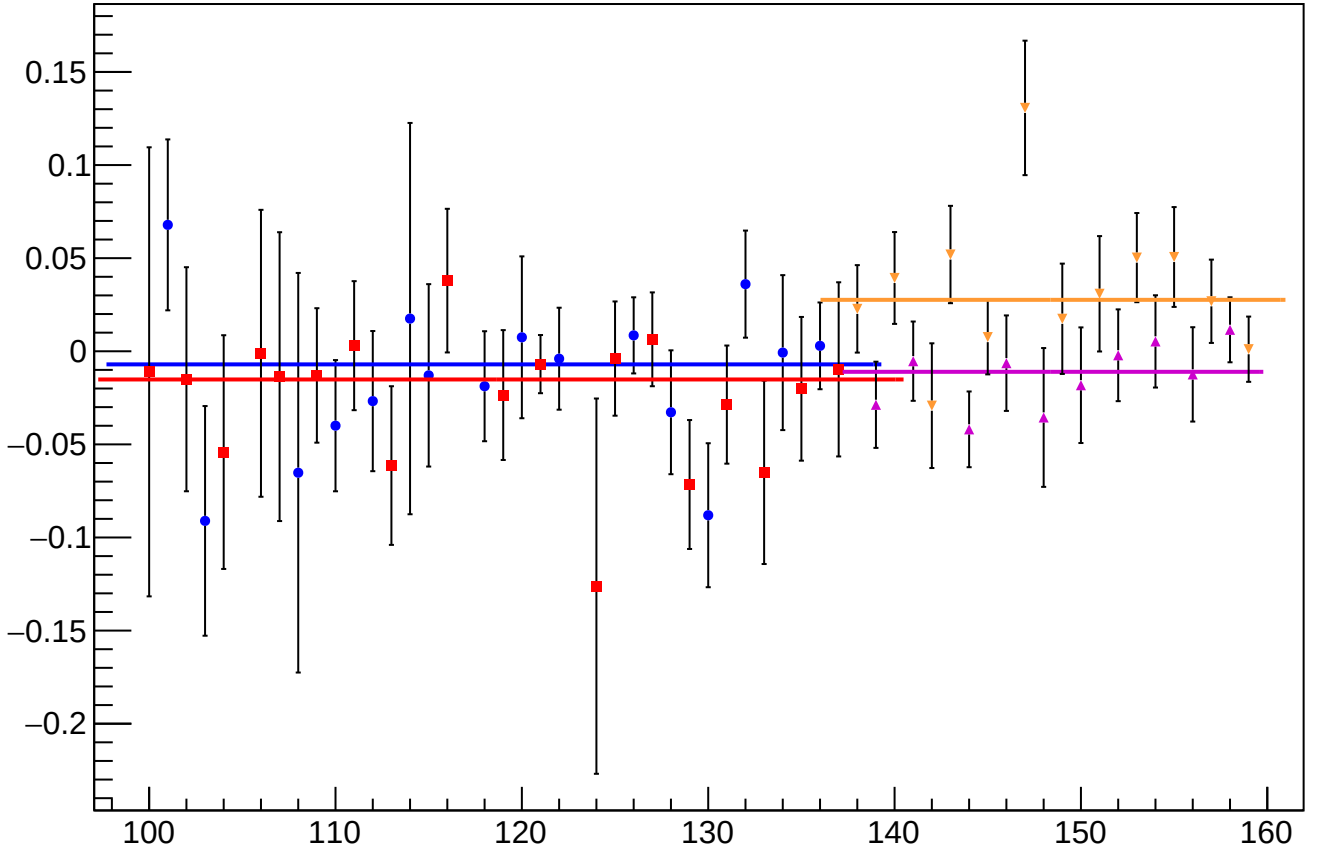
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.253+/-0.004 χ^2/NDF:2060614.9/25

Out: 20.622+/-0.004 χ^2/NDF:3123464.2/30

All: 20.923+/-0.003 χ^2/NDF: 5197145.0/56

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

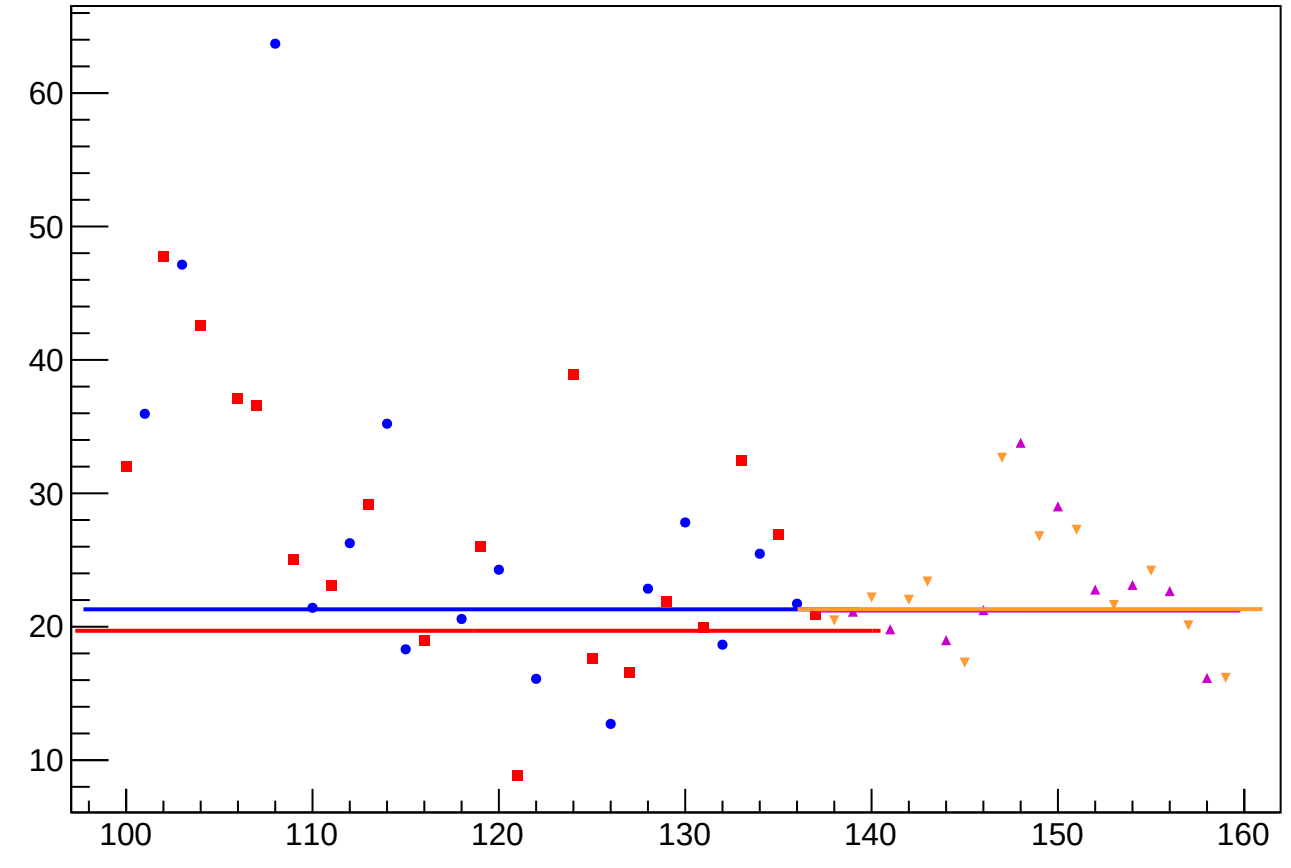
Left: 0.009+/-0.005 χ^2/NDF: 36.9/21

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.000+/-0.004 χ^2/NDF: 68.6/56



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.319+/-0.005 χ^2/NDF:640104.1/11

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

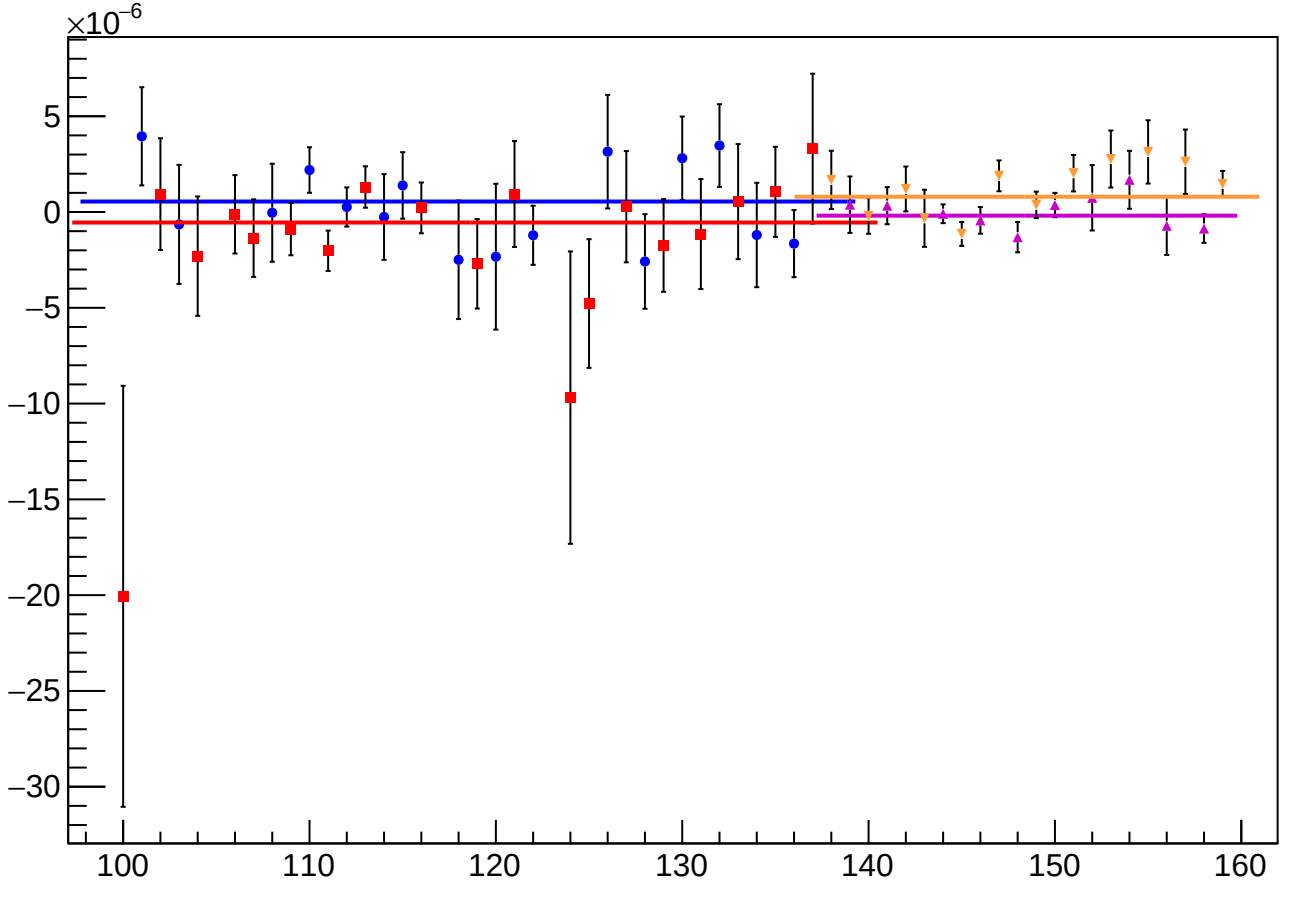
Left: 21.269+/-0.004 χ^2/NDF: 1221397.7/21

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.253+/-0.004 χ^2/NDF:2060614.9/25

Out: 20.622+/-0.004 χ^2/NDF:3123464.2/30

All: 20.923+/-0.003 χ^2/NDF: 5197145.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/9

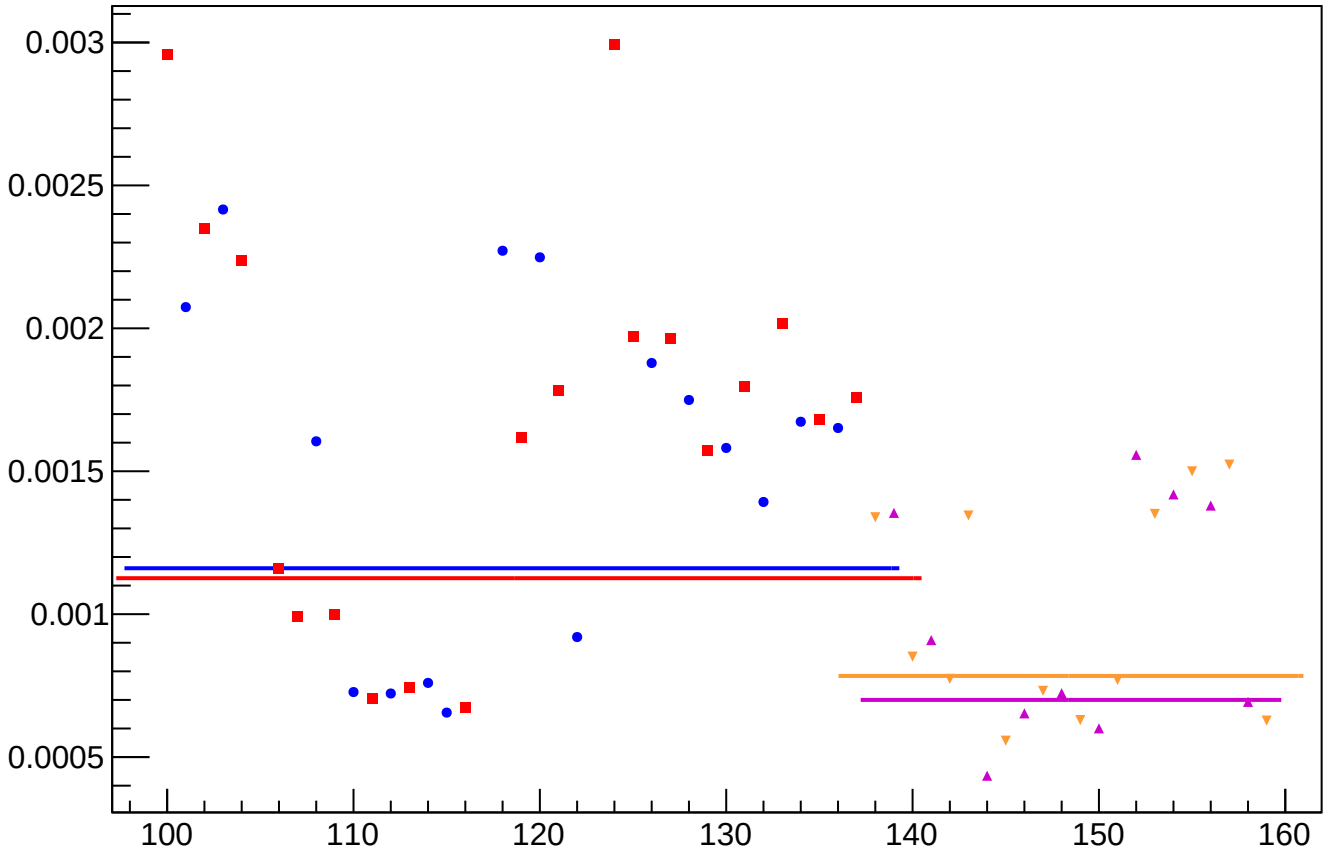
Left: 0.000+/-0.000 χ^2/NDF: 34.7/21

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:22.4/25

Out: 0.000+/-0.000 χ^2/NDF:43.3/30

All: 0.000+/-0.000 χ^2/NDF: 67.8/56



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2090844.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2488577.5/9

Left: 0.001+/-0.000 χ^2/NDF: 4678605.1/21

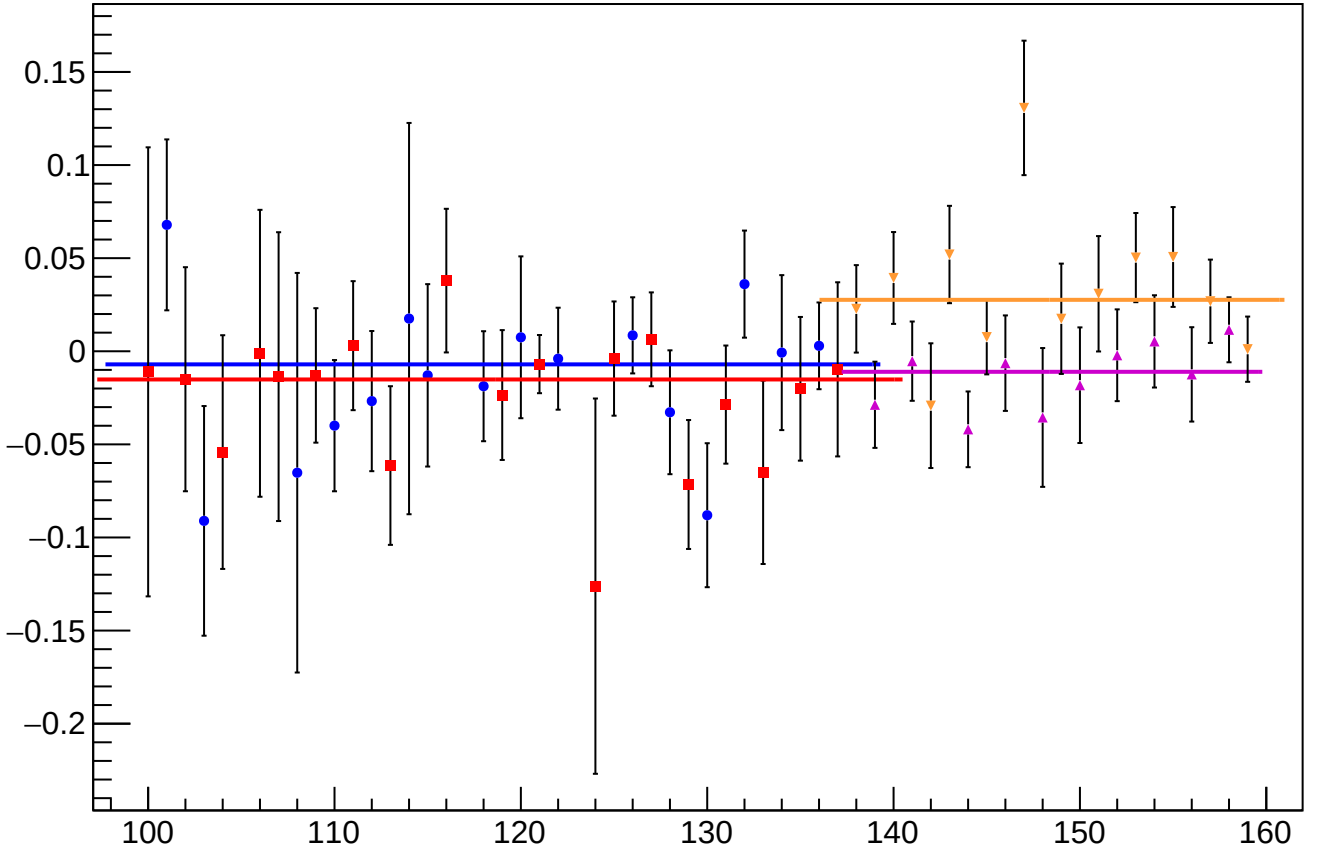
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:6454226.7/25

Out: 0.001+/-0.000 χ^2/NDF:5535777.7/30

All: 0.001+/-0.000 χ^2/NDF: 12078374.0/56

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: 0.028+/-0.007 χ^2/NDF:17.2/11

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

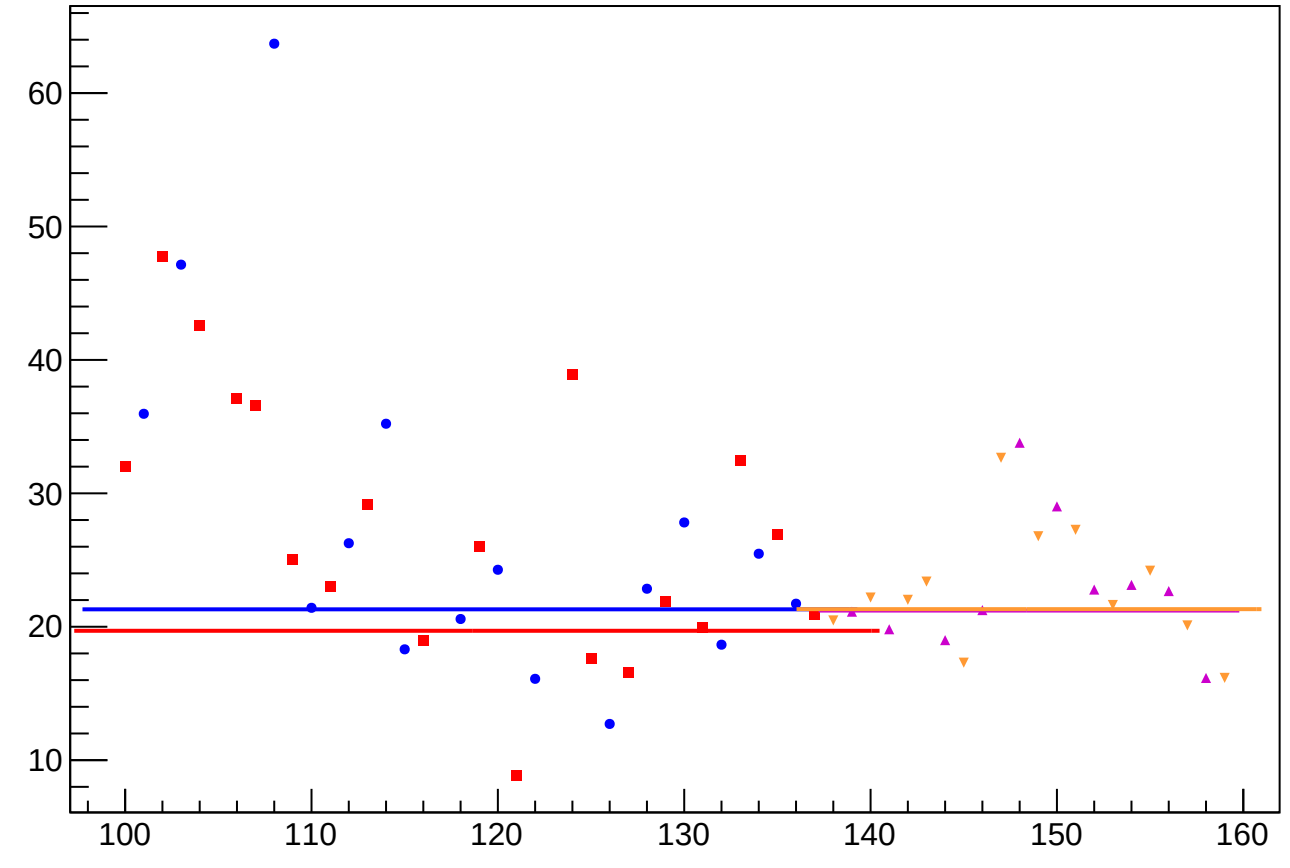
Left: 0.009+/-0.005 χ^2/NDF: 36.9/21

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.000+/-0.004 χ^2/NDF: 68.6/56



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.319+/-0.005 χ^2/NDF:640185.3/11

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

Left: 21.269+/-0.004 χ^2/NDF: 1221555.6/21

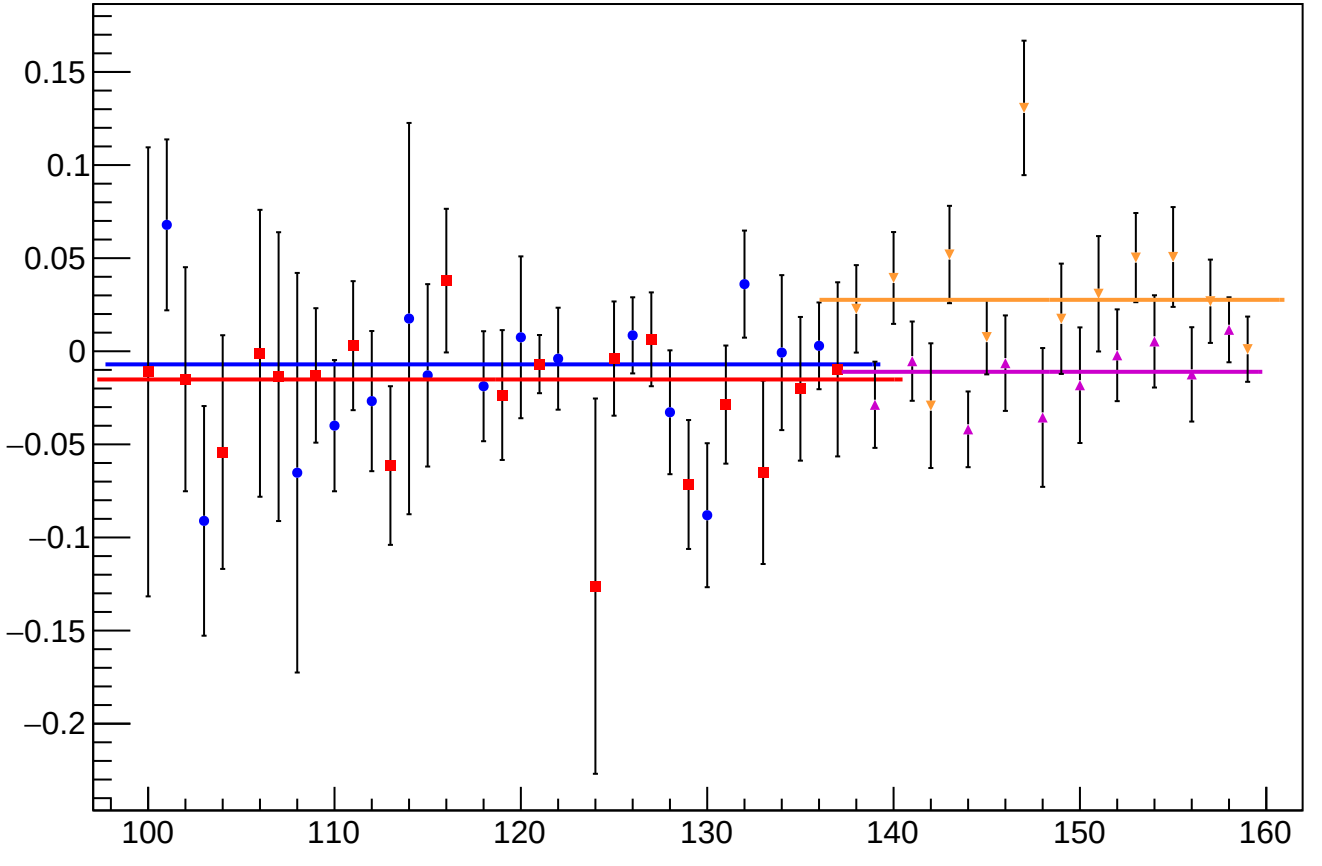
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.254+/-0.004 χ^2/NDF:2060525.2/25

Out: 20.623+/-0.004 χ^2/NDF:3123149.4/30

All: 20.923+/-0.003 χ^2/NDF: 5196733.6/56

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

Left: 0.009+/-0.005 χ^2/NDF: 36.9/21

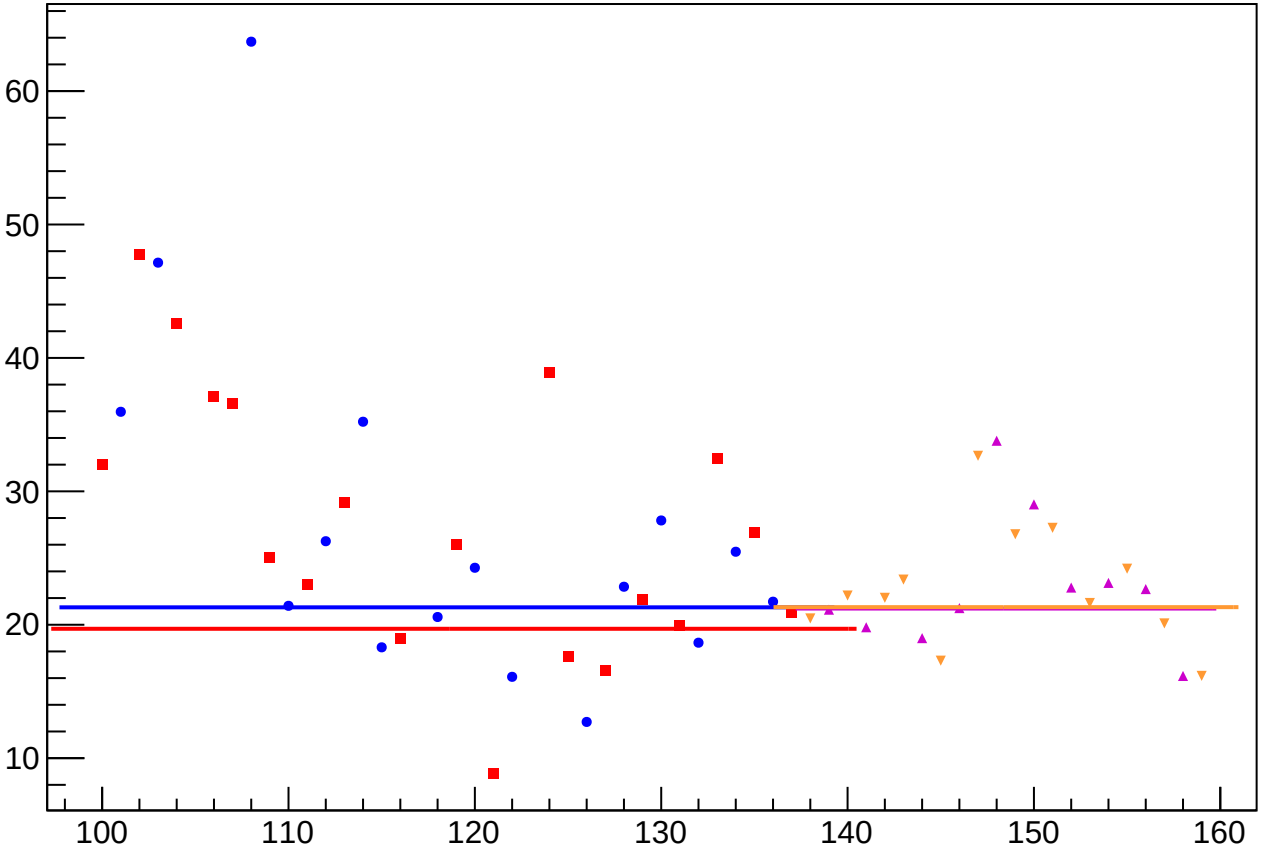
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.000+/-0.004 χ^2/NDF: 68.6/56

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.319+/-0.005 χ^2/NDF:640185.3/11

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

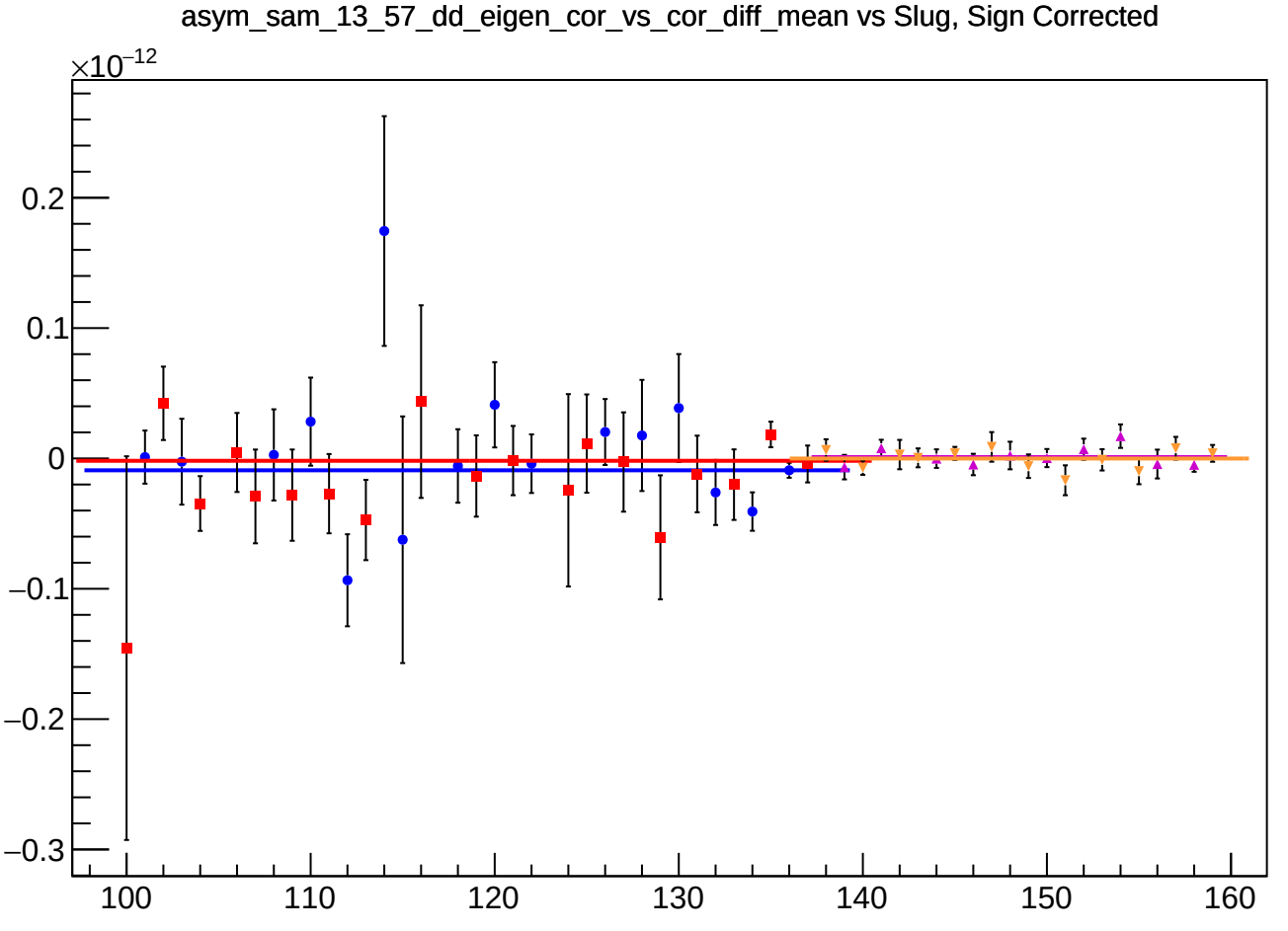
Left: 21.269+/-0.004 χ^2/NDF: 1221555.6/21

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.254+/-0.004 χ^2/NDF:2060525.2/25

Out: 20.623+/-0.004 χ^2/NDF:3123149.4/30

All: 20.923+/-0.003 χ^2/NDF: 5196733.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/9

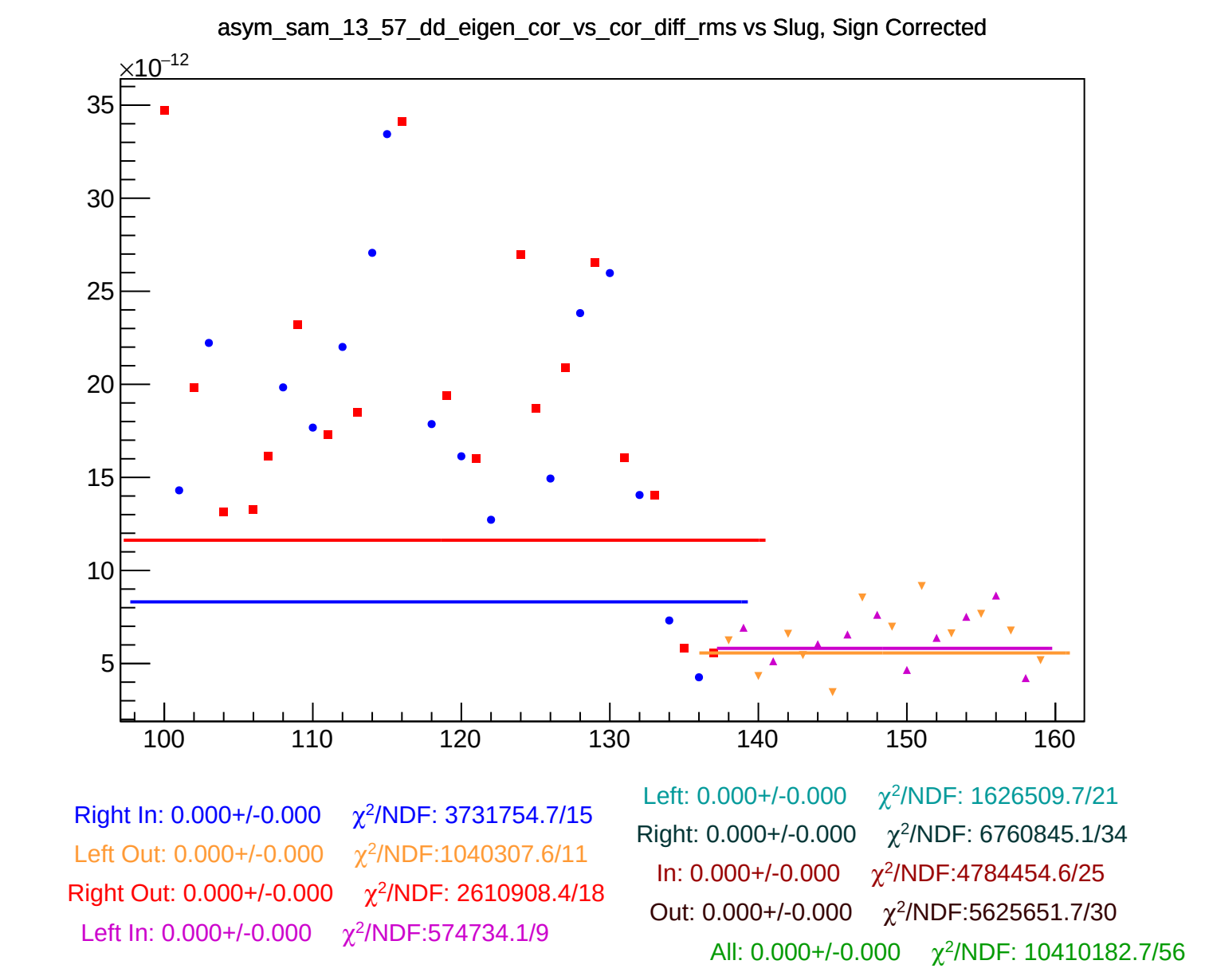
Left: 0.000+/-0.000 χ^2/NDF: 16.0/21

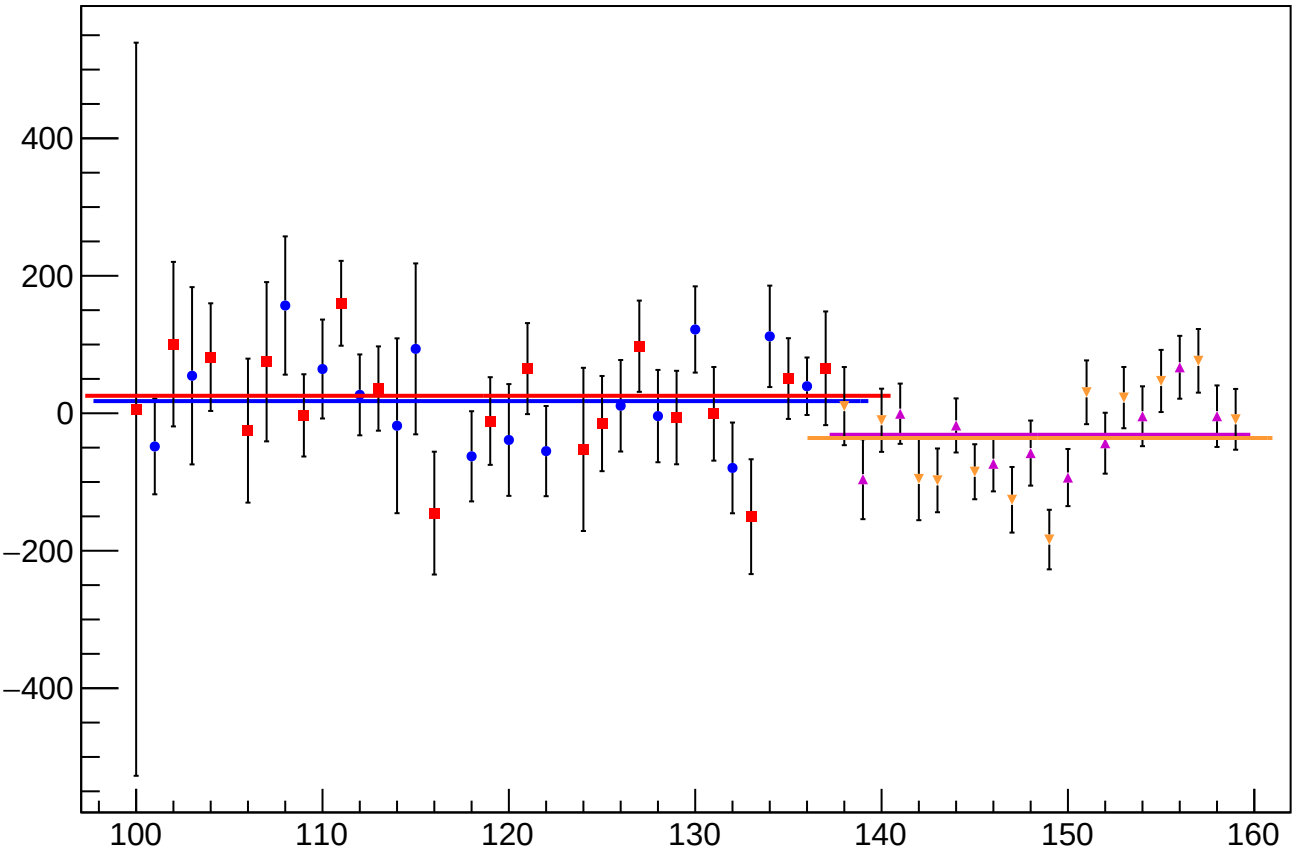
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:34.0/25

Out: -0.000+/-0.000 χ^2/NDF:25.5/30

All: -0.000+/-0.000 χ^2/NDF: 59.6/56


asym_sam_13_57_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1040307.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:574734.1/9
Left: 0.000+/-0.000 χ²/NDF: 1626509.7/21
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4784454.6/25
Out: 0.000+/-0.000 χ²/NDF:5625651.7/30
All: 0.000+/-0.000 χ²/NDF: 10410182.7/56



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -35.985+/-13.415 χ^2/NDF:33.8/11

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -31.293+/-13.974 χ^2/NDF:10.9/9

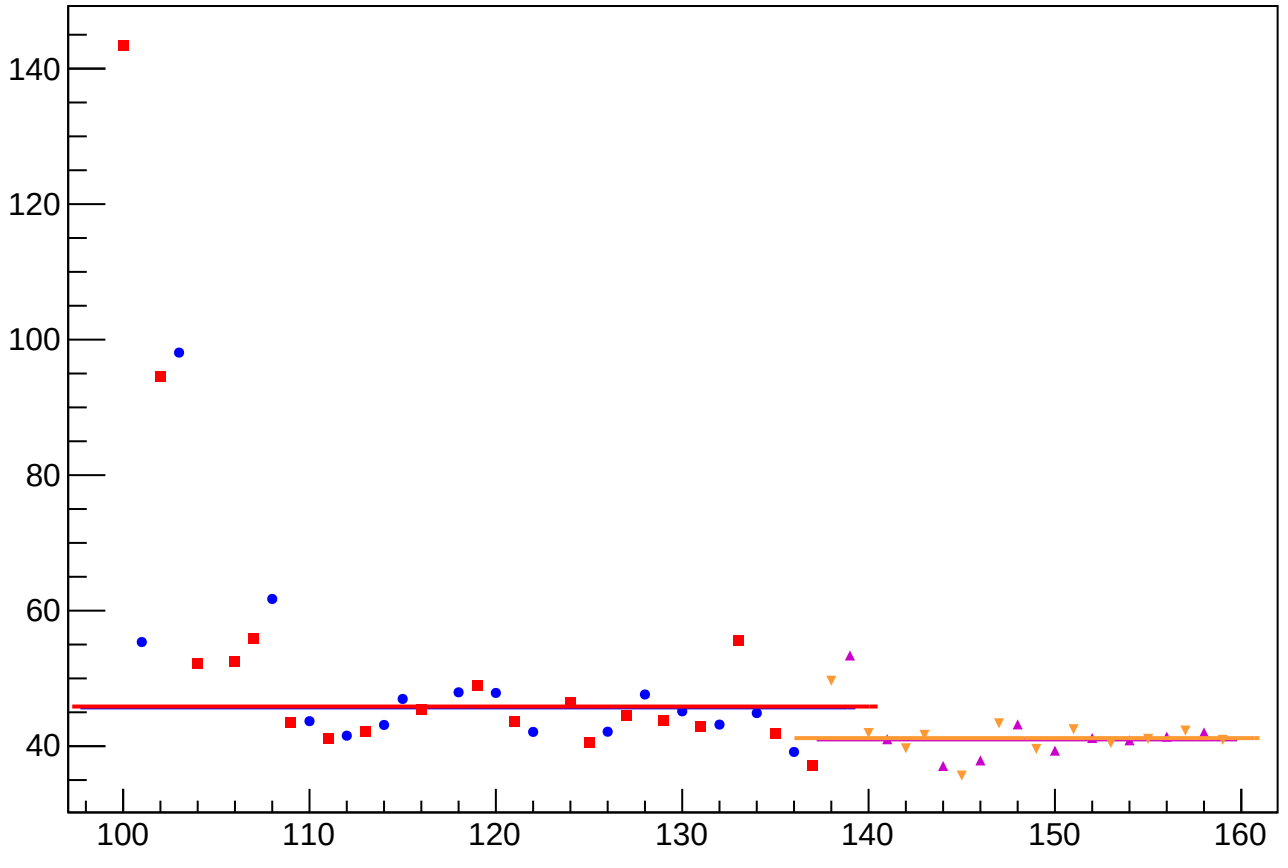
Left: -33.735+/-9.678 χ^2/NDF: 44.8/21

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -12.176+/-10.913 χ^2/NDF:29.7/25

Out: -12.981+/-10.610 χ^2/NDF:59.5/30

All: -12.590+/-7.607 χ^2/NDF: 89.2/56



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.189+/-0.009 χ^2/NDF:94793.4/11

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

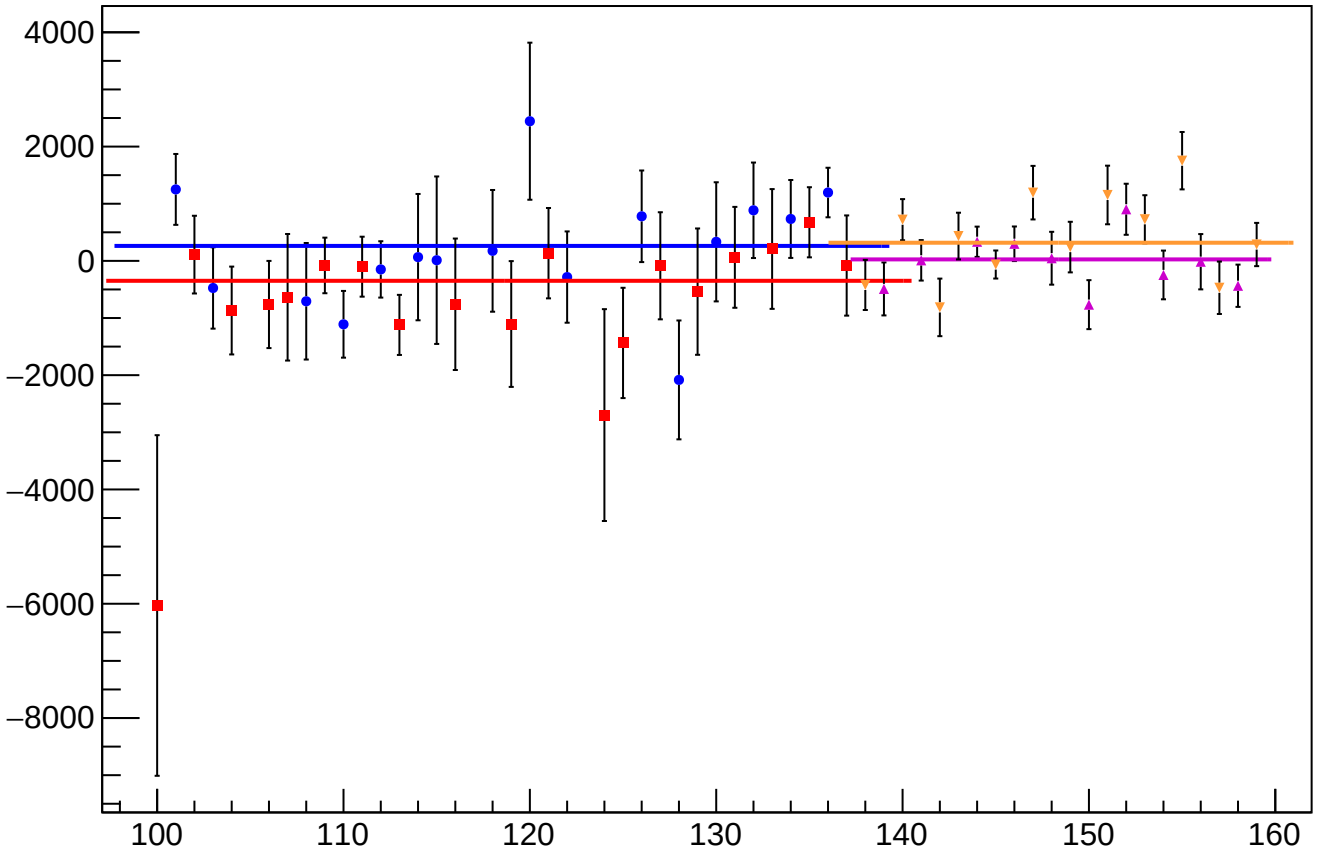
Left: 41.098+/-0.007 χ^2/NDF: 226416.4/21

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.844+/-0.008 χ^2/NDF:722169.3/25

Out: 42.934+/-0.008 χ^2/NDF:725354.8/30

All: 42.890+/-0.005 χ^2/NDF: 1447593.6/56



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 317.602+/-116.058 χ^2/NDF:29.9/11

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 25.839+/-119.499 χ^2/NDF:12.7/9

Left: 175.982+/-83.255 χ^2/NDF: 45.6/21

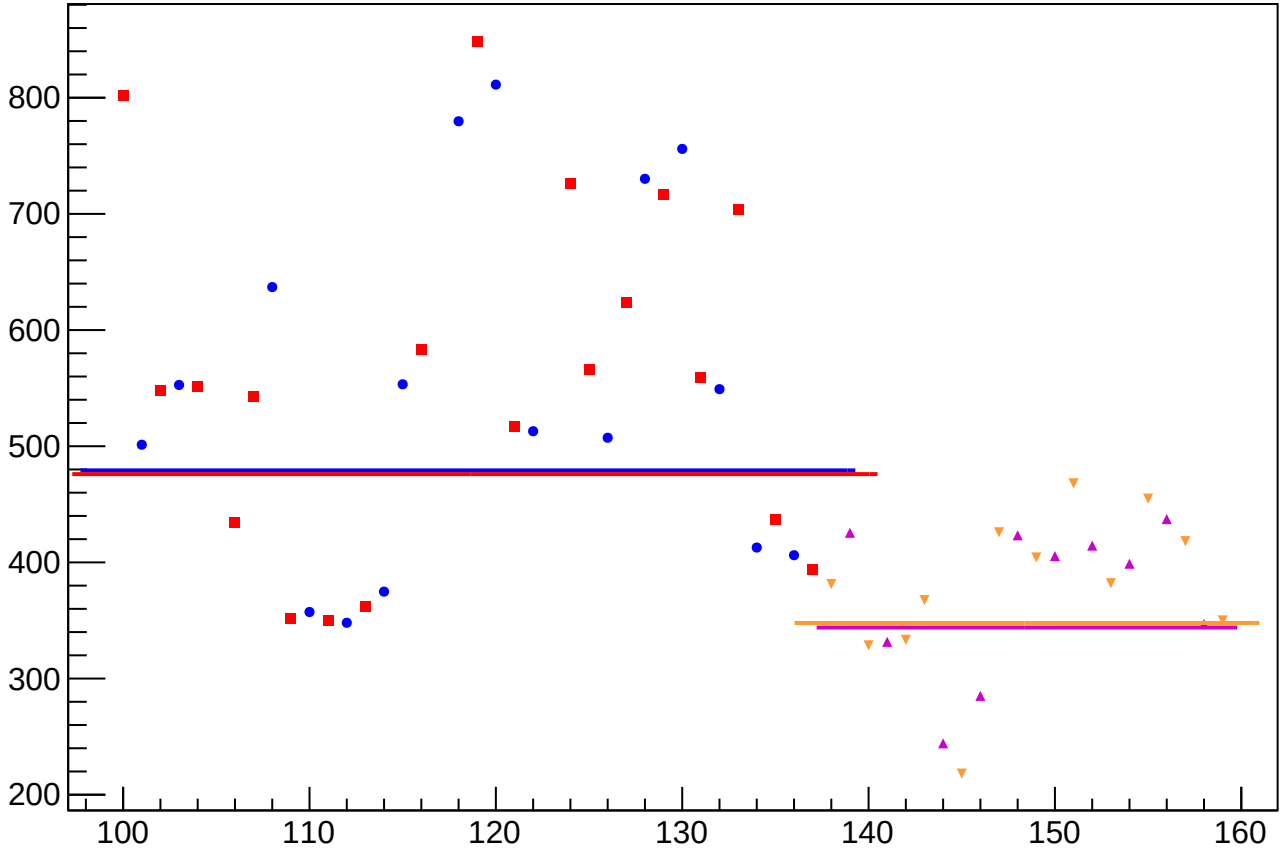
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 95.237+/-100.412 χ^2/NDF:38.8/25

Out: 122.993+/-97.648 χ^2/NDF:54.4/30

All: 109.502+/-70.005 χ^2/NDF: 93.3/56

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 347.867+/-0.082 χ^2/NDF:931022.5/11

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 343.921+/-0.084 χ^2/NDF:681418.8/9

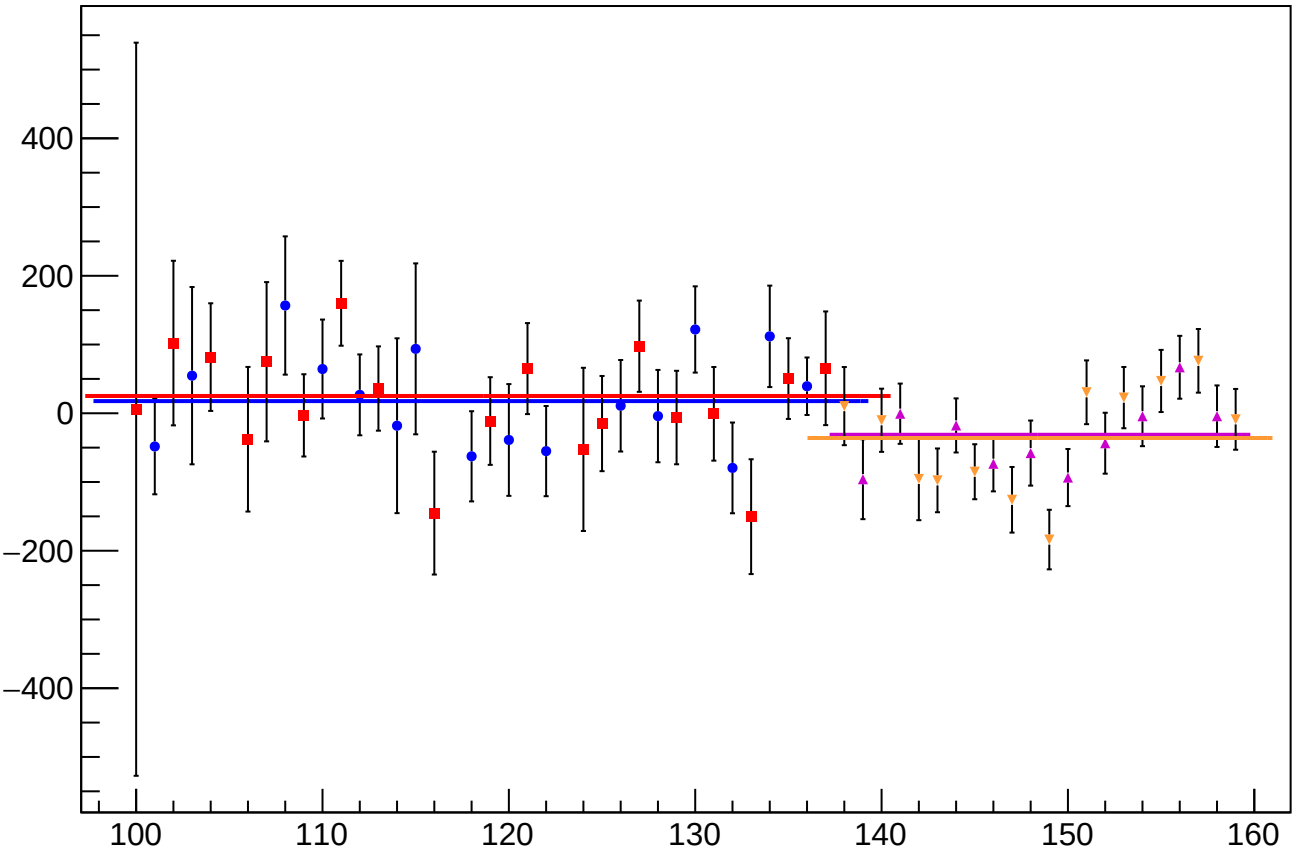
Left: 345.952+/-0.059 χ^2/NDF: 1613563.2/21

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 383.677+/-0.071 χ^2/NDF:2387228.0/25

Out: 385.289+/-0.069 χ^2/NDF:2649465.7/30

All: 384.506+/-0.050 χ^2/NDF: 5036958.9/56



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -35.988+/-13.415 χ^2/NDF:33.8/11

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -31.294+/-13.974 χ^2/NDF:10.9/9

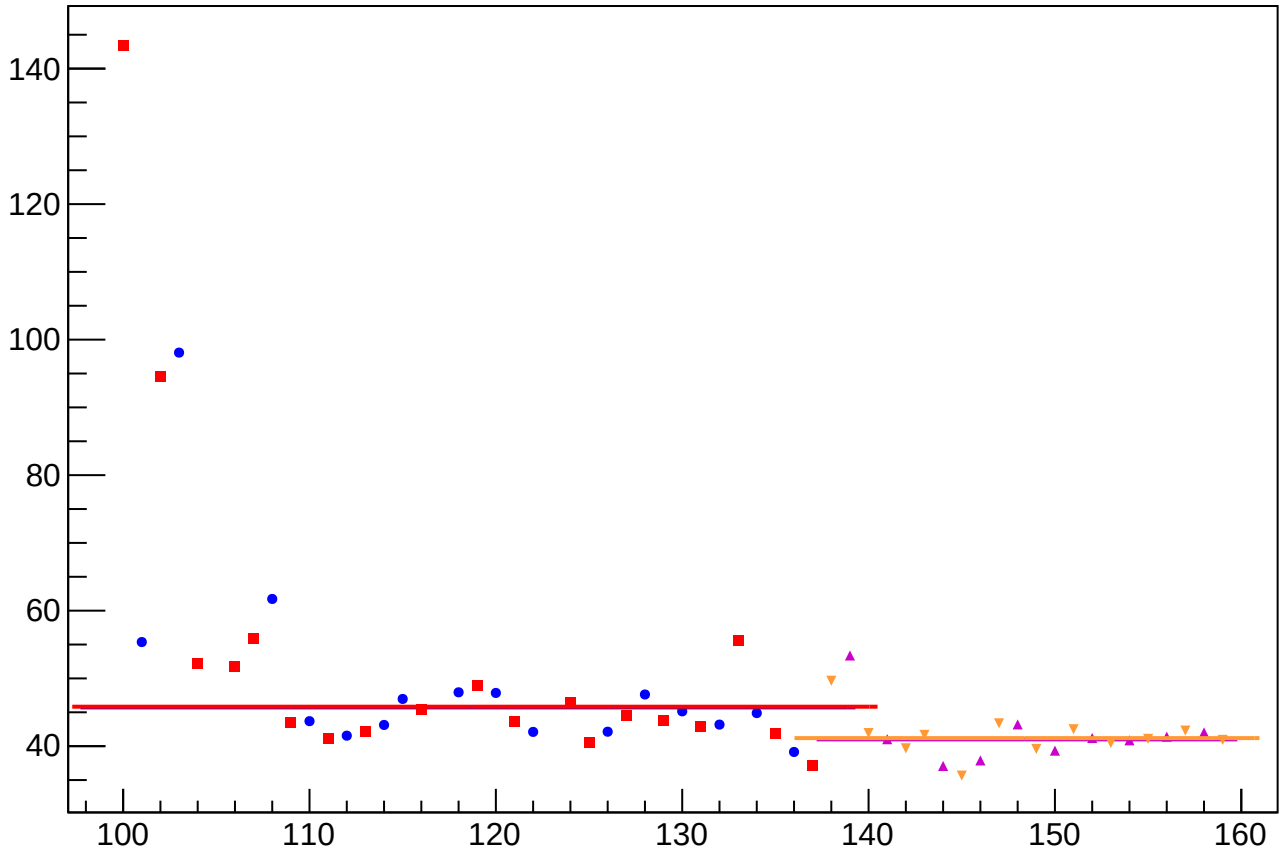
Left: -33.737+/-9.678 χ^2/NDF: 44.8/21

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.175+/-10.913 χ^2/NDF:29.7/25

Out: -13.097+/-10.610 χ^2/NDF:59.6/30

All: -12.649+/-7.607 χ^2/NDF: 89.3/56



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.189+/-0.009 χ^2/NDF:94793.5/11

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

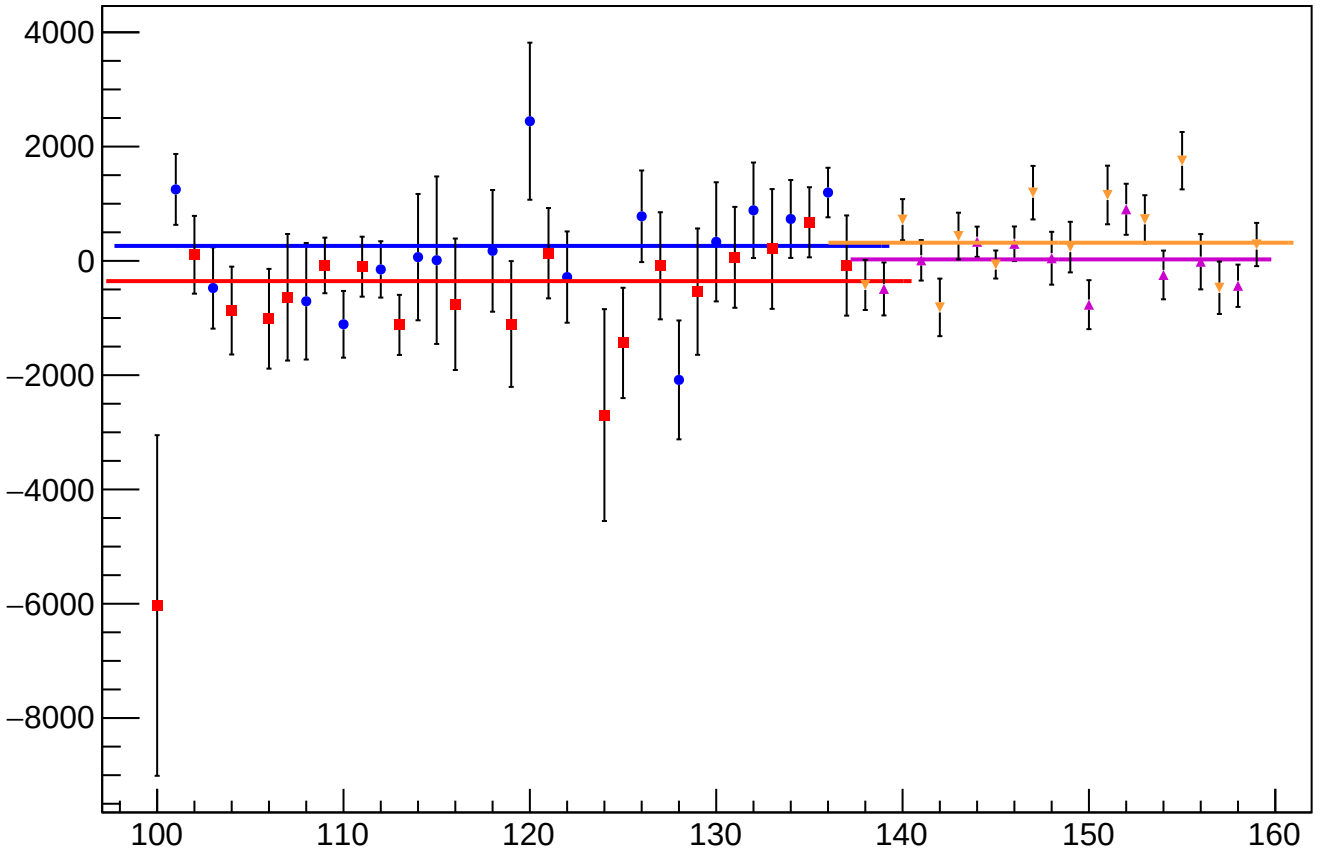
Left: 41.098+/-0.007 χ^2/NDF: 226416.4/21

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.844+/-0.008 χ^2/NDF:722172.3/25

Out: 42.925+/-0.008 χ^2/NDF:722730.6/30

All: 42.886+/-0.005 χ^2/NDF: 1444958.8/56



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 317.599+/-116.058 χ^2/NDF:29.9/11

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 25.839+/-119.499 χ^2/NDF:12.7/9

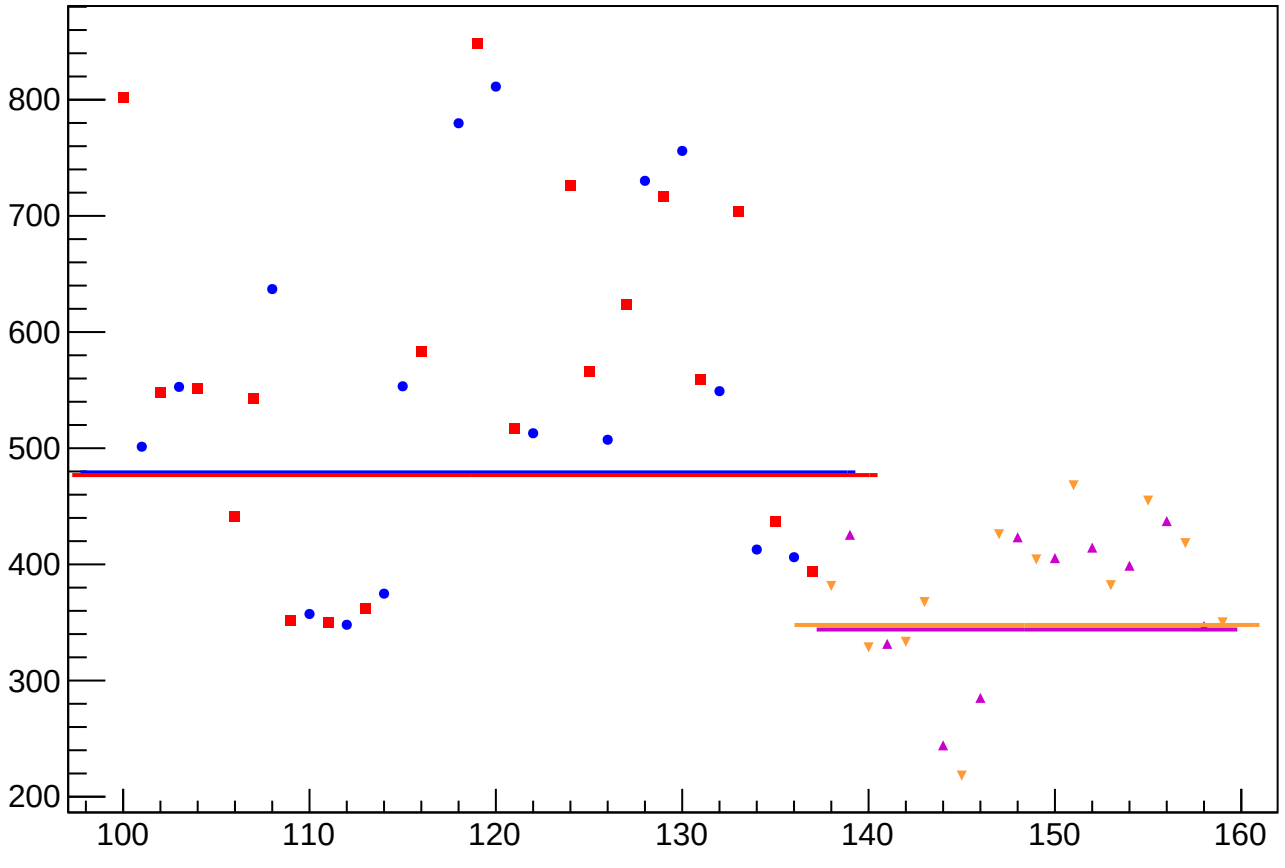
Left: 175.981+/-83.255 χ^2/NDF: 45.6/21

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 95.238+/-100.413 χ^2/NDF:38.8/25

Out: 123.244+/-97.840 χ^2/NDF:54.8/30

All: 109.604+/-70.075 χ^2/NDF: 93.6/56



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.867+/-0.082 χ^2/NDF:931023.6/11

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

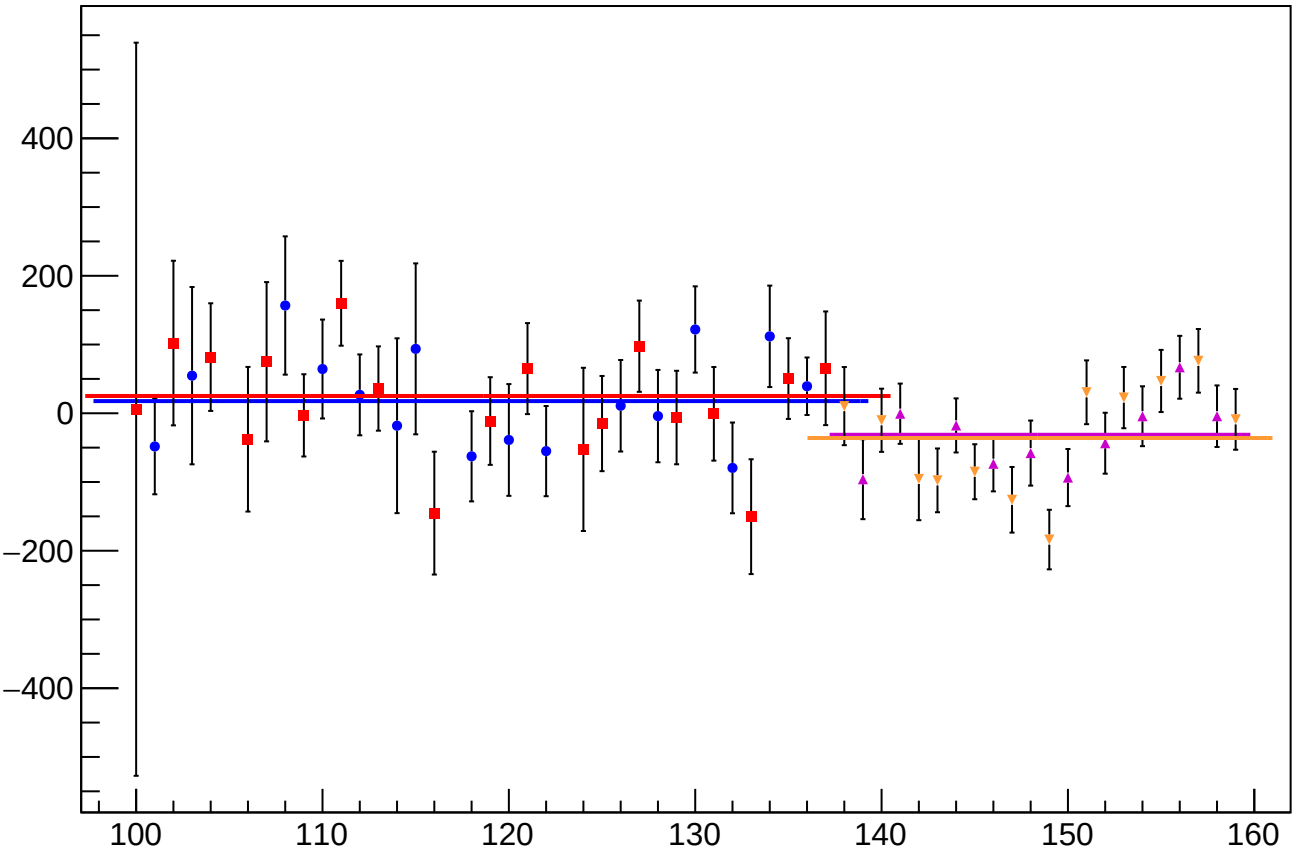
Left: 345.952+/-0.059 χ^2/NDF: 1613564.6/21

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.677+/-0.071 χ^2/NDF:2387274.2/25

Out: 385.194+/-0.069 χ^2/NDF:2649931.6/30

All: 384.456+/-0.050 χ^2/NDF: 5037440.0/56



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -35.988+/-13.415 χ^2/NDF:33.8/11

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -31.294+/-13.974 χ^2/NDF:10.9/9

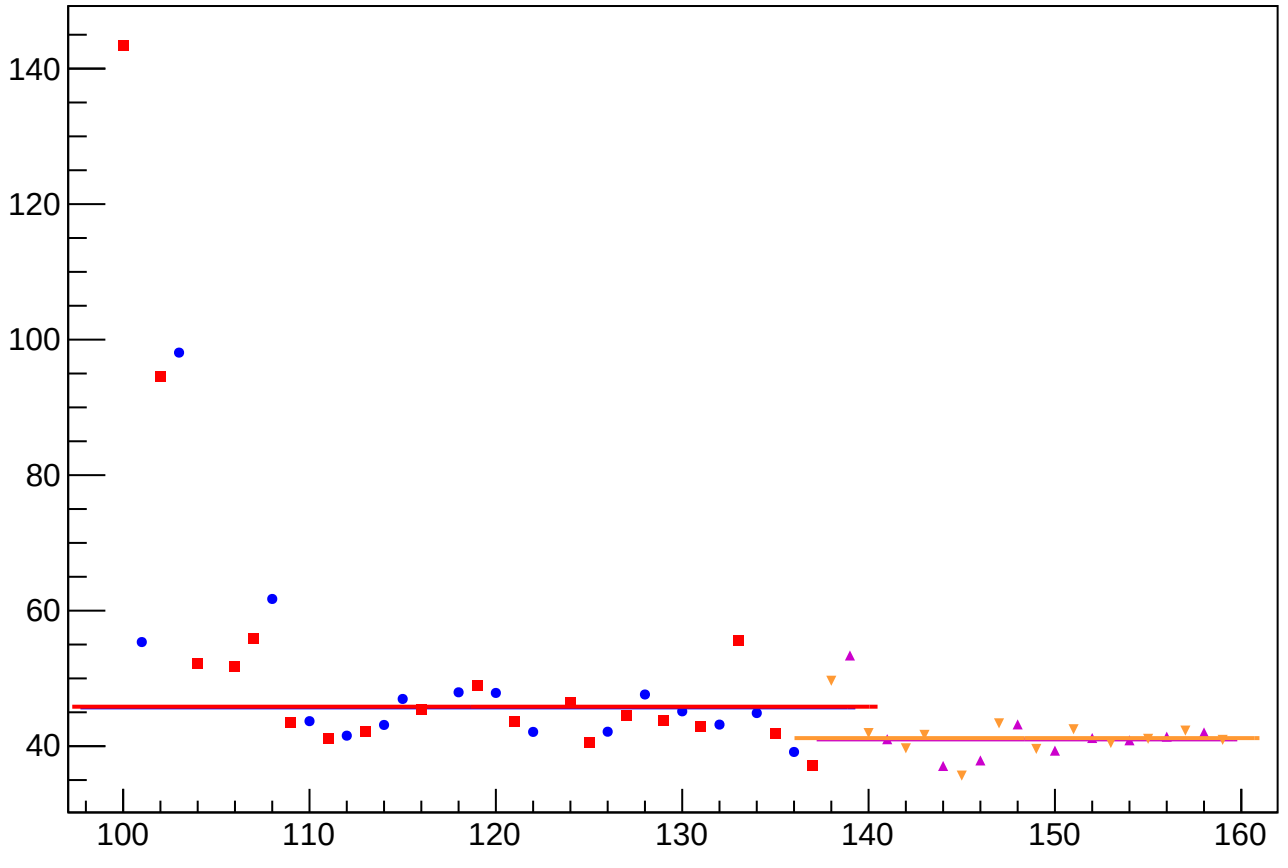
Left: -33.737+/-9.678 χ^2/NDF: 44.8/21

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.175+/-10.913 χ^2/NDF:29.7/25

Out: -13.097+/-10.610 χ^2/NDF:59.6/30

All: -12.649+/-7.607 χ^2/NDF: 89.3/56



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.189+/-0.009 χ^2/NDF:94793.5/11

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

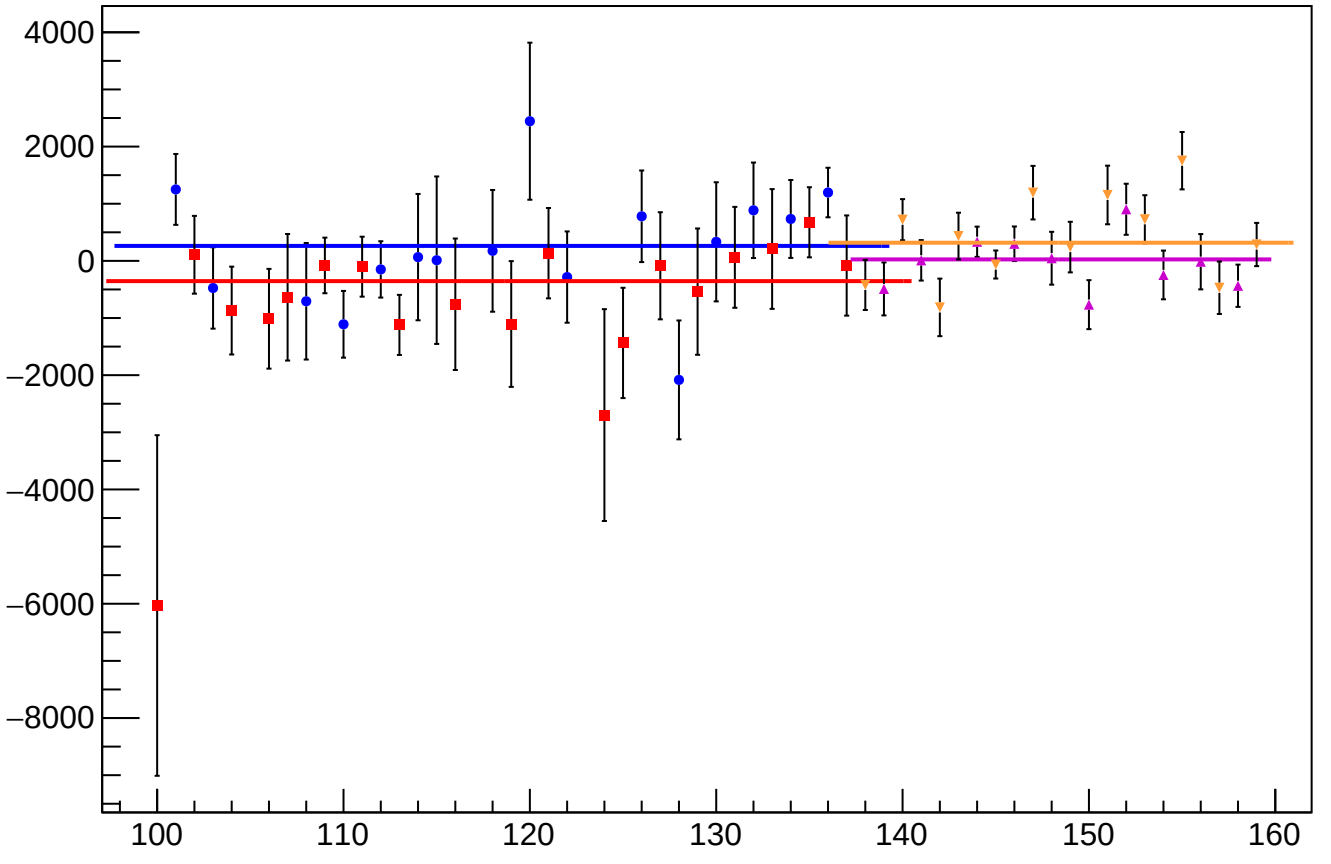
Left: 41.098+/-0.007 χ^2/NDF: 226416.4/21

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.844+/-0.008 χ^2/NDF:722172.3/25

Out: 42.925+/-0.008 χ^2/NDF:722730.6/30

All: 42.886+/-0.005 χ^2/NDF: 1444958.8/56



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 317.599+/-116.058 χ^2/NDF:29.9/11

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 25.839+/-119.499 χ^2/NDF:12.7/9

Left: 175.981+/-83.255 χ^2/NDF: 45.6/21

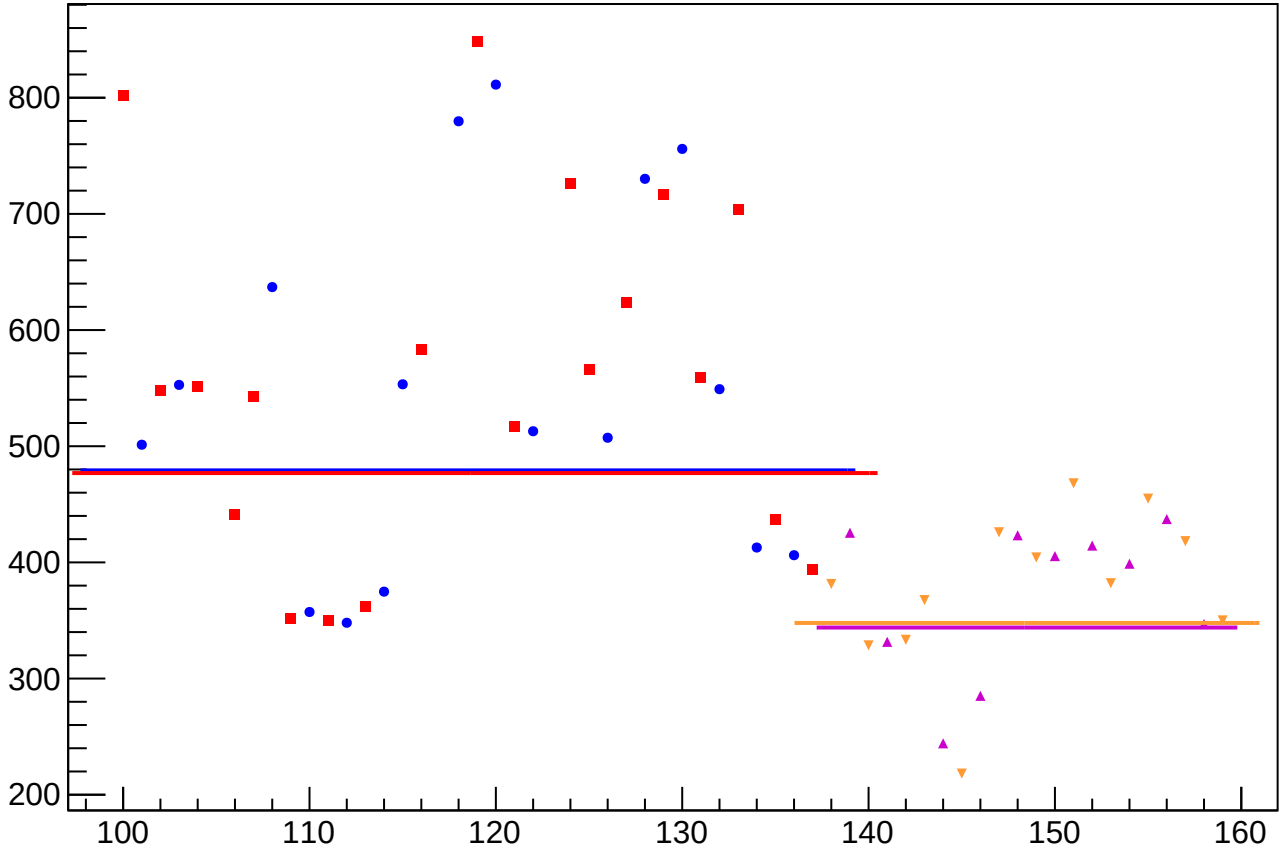
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 95.238+/-100.413 χ^2/NDF:38.8/25

Out: 123.244+/-97.840 χ^2/NDF:54.8/30

All: 109.604+/-70.075 χ^2/NDF: 93.6/56

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: 347.867+/-0.082 χ^2/NDF:931023.6/11

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

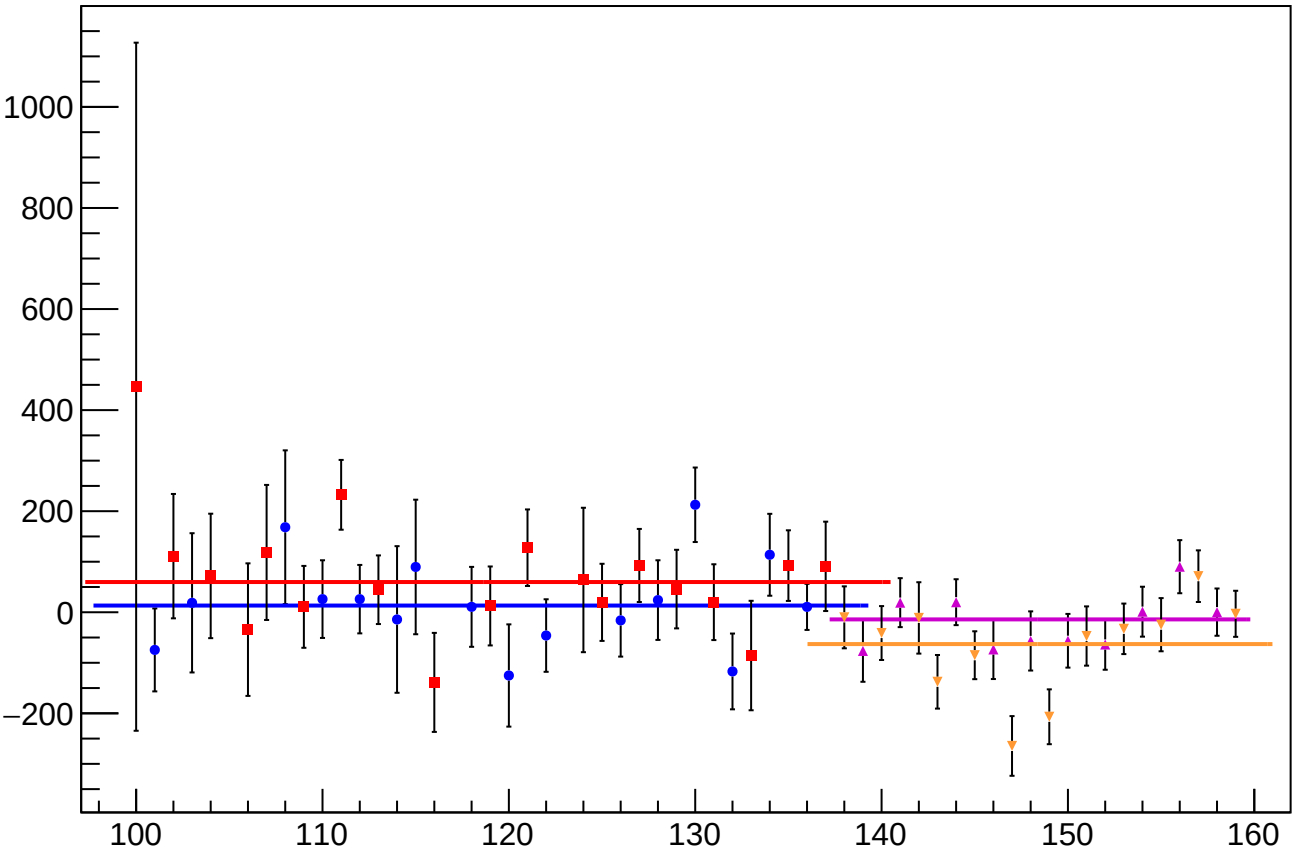
Left: 345.952+/-0.059 χ^2/NDF: 1613564.6/21

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.677+/-0.071 χ^2/NDF:2387274.2/25

Out: 385.194+/-0.069 χ^2/NDF:2649931.6/30

All: 384.456+/-0.050 χ^2/NDF: 5037440.0/56



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -62.963+/-15.501 χ^2/NDF:31.9/11

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -14.136+/-16.340 χ^2/NDF:9.4/9

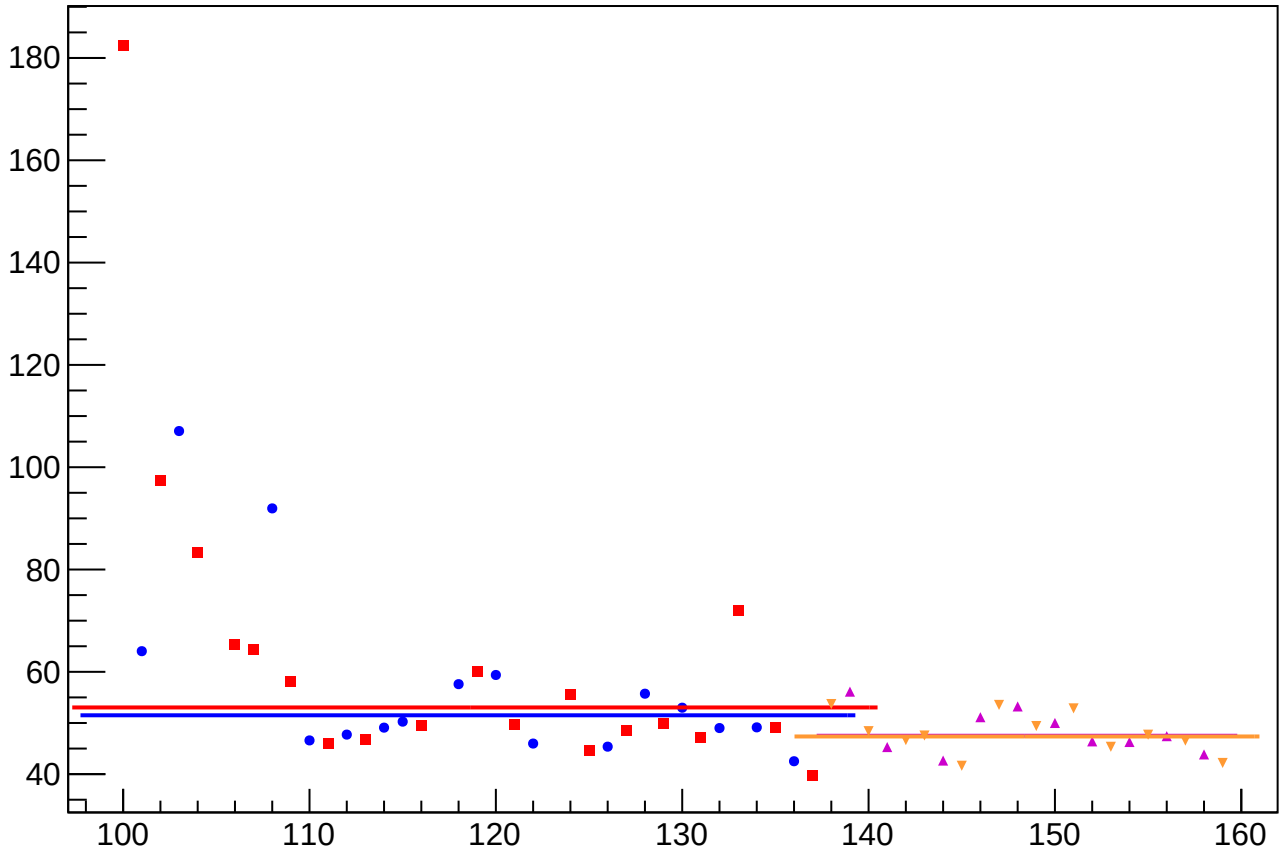
Left: -39.835+/-11.246 χ^2/NDF: 46.0/21

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -3.067+/-12.615 χ^2/NDF:27.8/25

Out: -17.556+/-12.305 χ^2/NDF:71.2/30

All: -10.492+/-8.809 χ^2/NDF: 99.7/56



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.363+/-0.011 χ^2/NDF:123416.6/11

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 47.503+/-0.012 χ^2/NDF:112373.9/9

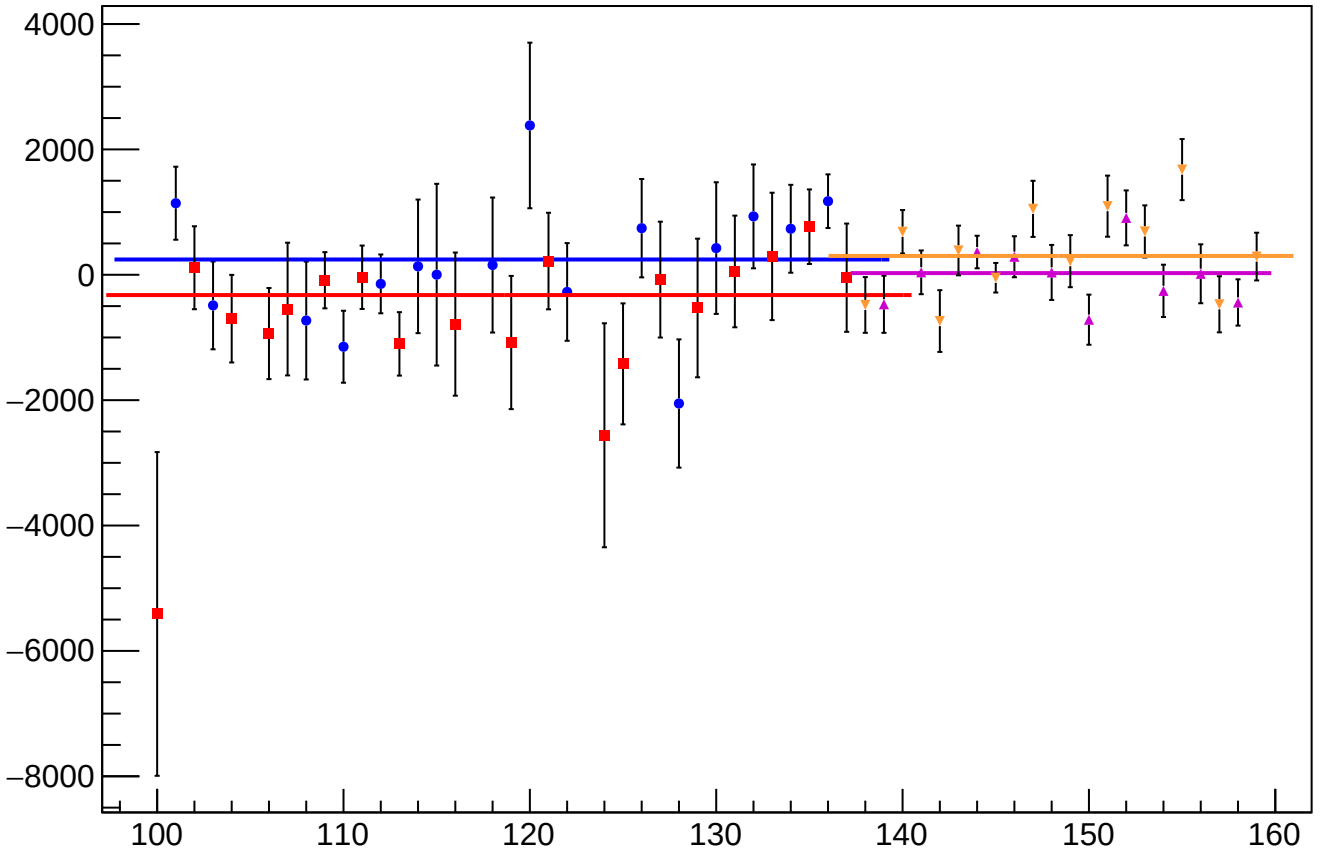
Left: 47.429+/-0.008 χ^2/NDF: 235867.8/21

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.120+/-0.009 χ^2/NDF:827903.3/25

Out: 49.462+/-0.009 χ^2/NDF:935438.2/30

All: 49.295+/-0.006 χ^2/NDF: 1764094.1/56



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 300.657+/-112.702 χ^2/NDF:28.4/11

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 26.707+/-118.308 χ^2/NDF:13.1/9

Left: 170.326+/-81.602 χ^2/NDF: 44.2/21

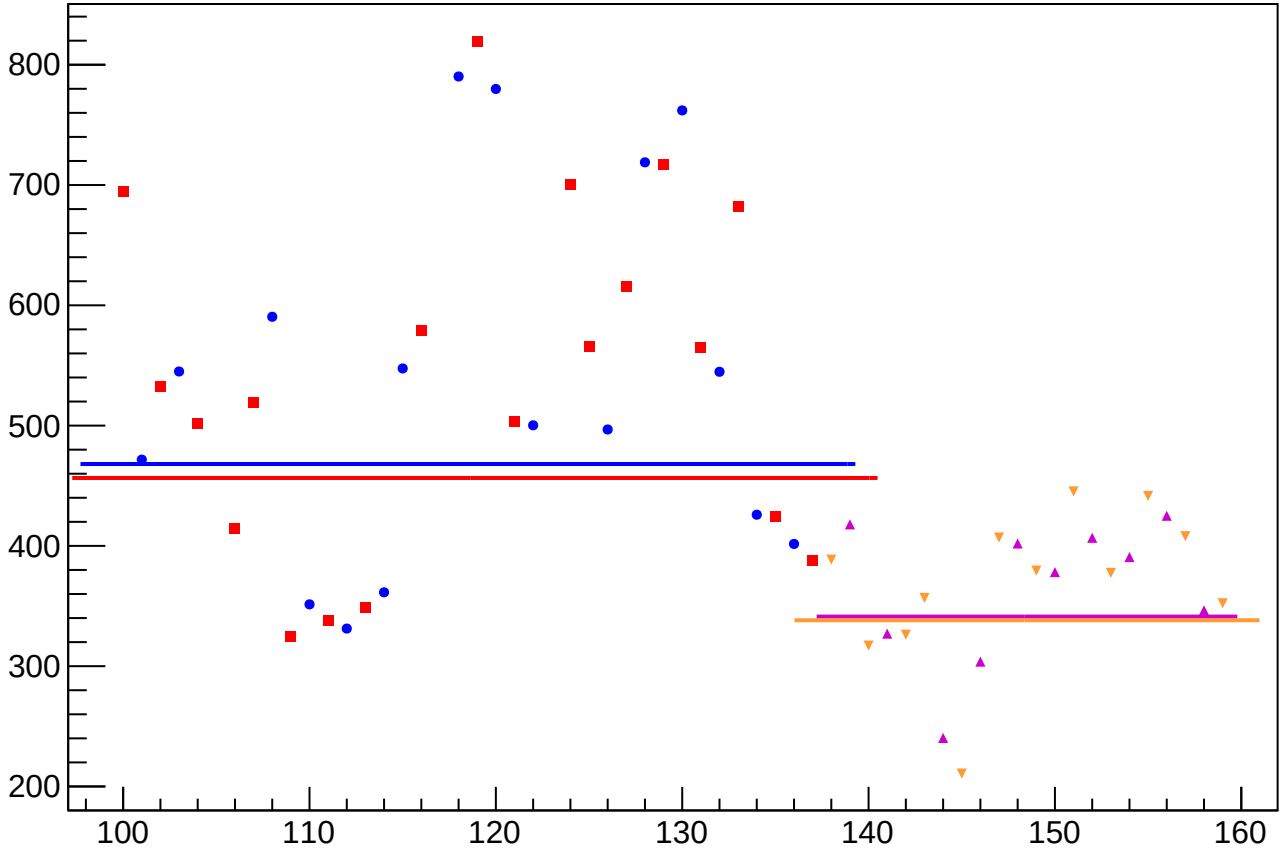
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 91.765+/-99.009 χ^2/NDF:39.7/25

Out: 115.604+/-94.533 χ^2/NDF:53.9/30

All: 104.236+/-68.373 χ^2/NDF: 93.6/56

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: 338.164+/-0.080 χ^2/NDF:945850.0/11

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 341.226+/-0.084 χ^2/NDF:579907.3/9

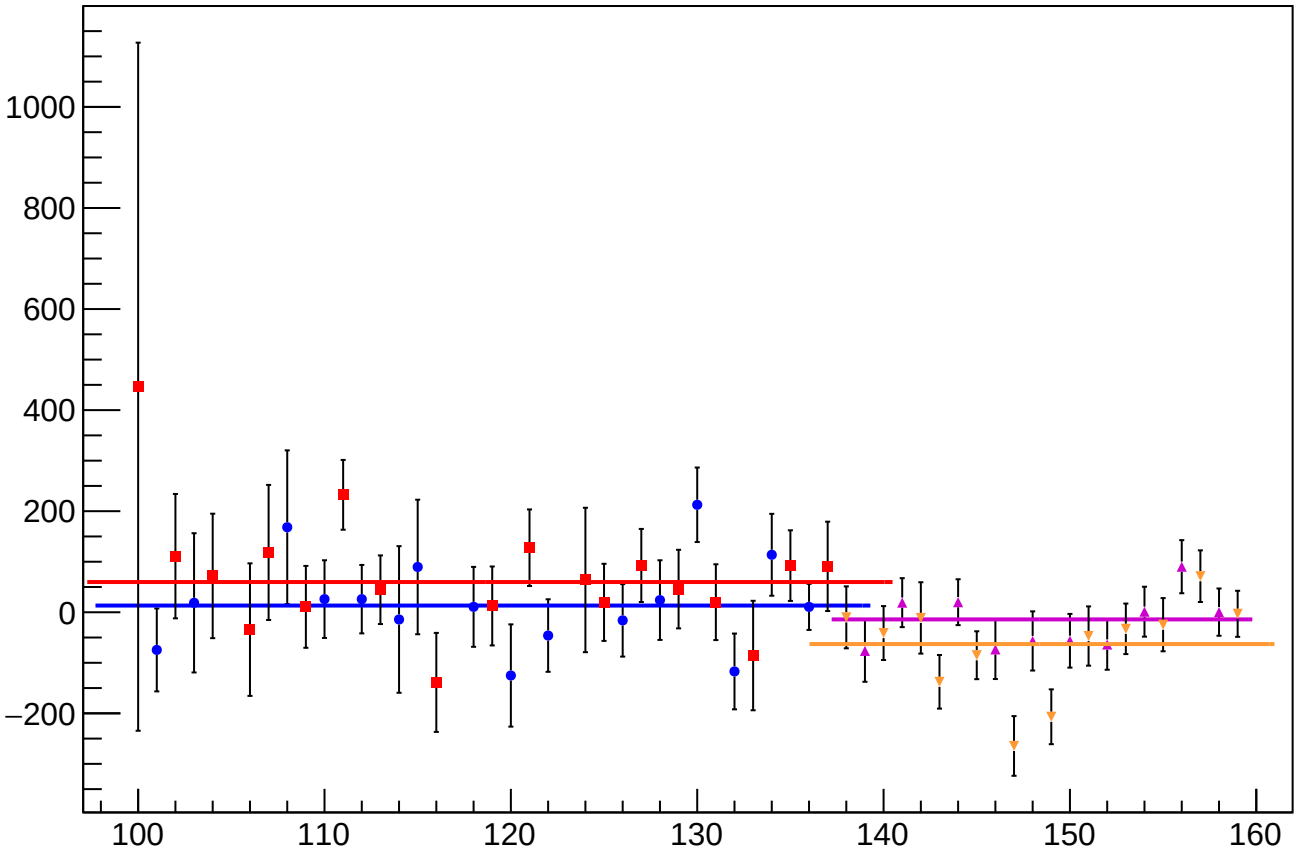
Left: 339.621+/-0.058 χ^2/NDF: 1526459.5/21

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 379.232+/-0.070 χ^2/NDF:2251662.7/25

Out: 373.232+/-0.067 χ^2/NDF:2681668.3/30

All: 376.094+/-0.048 χ^2/NDF: 4937173.4/56



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -62.964+/-15.501 χ^2/NDF:31.9/11

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -14.136+/-16.340 χ^2/NDF:9.4/9

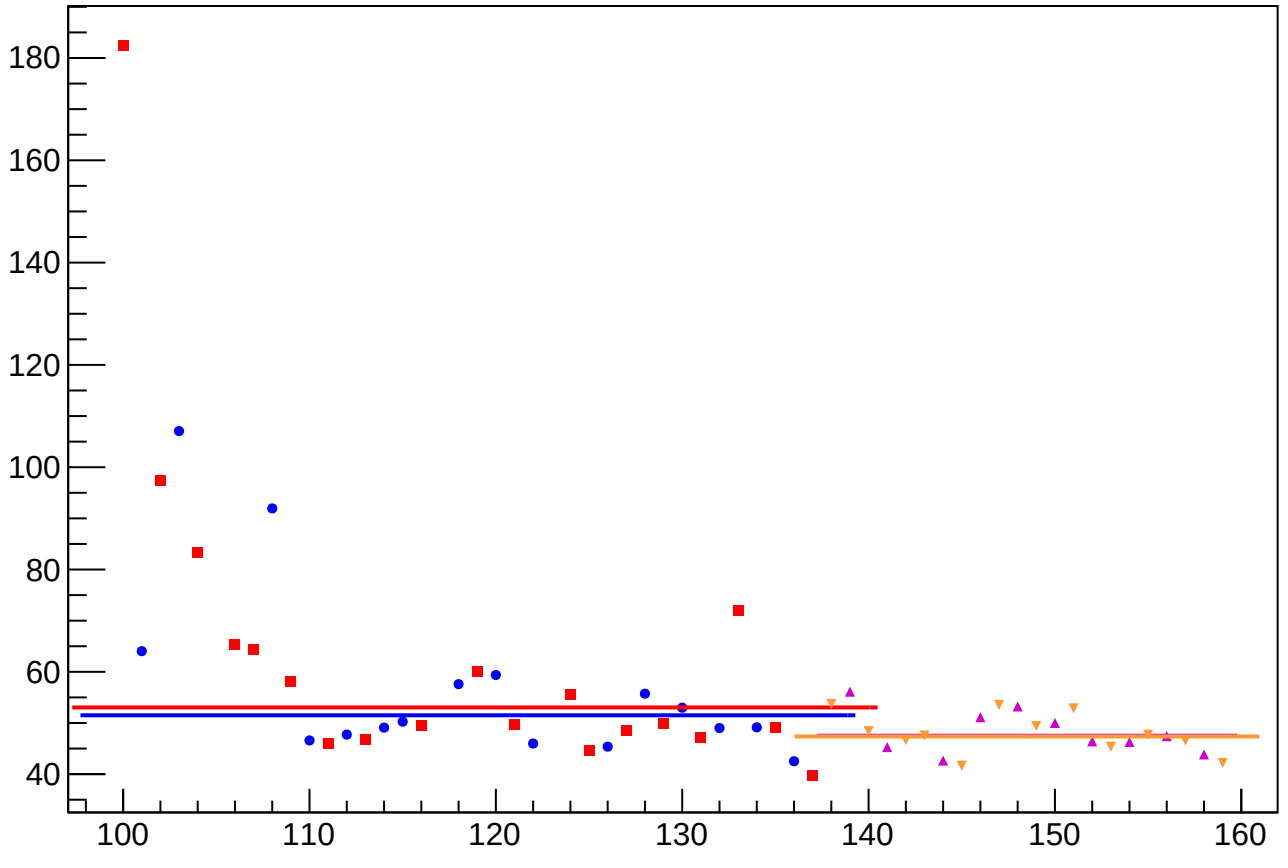
Left: -39.836+/-11.246 χ^2/NDF: 46.0/21

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -3.067+/-12.615 χ^2/NDF:27.8/25

Out: -17.556+/-12.305 χ^2/NDF:71.2/30

All: -10.492+/-8.809 χ^2/NDF: 99.7/56



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.363+/-0.011 χ^2/NDF:123417.1/11

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.503+/-0.012 χ^2/NDF:112372.8/9

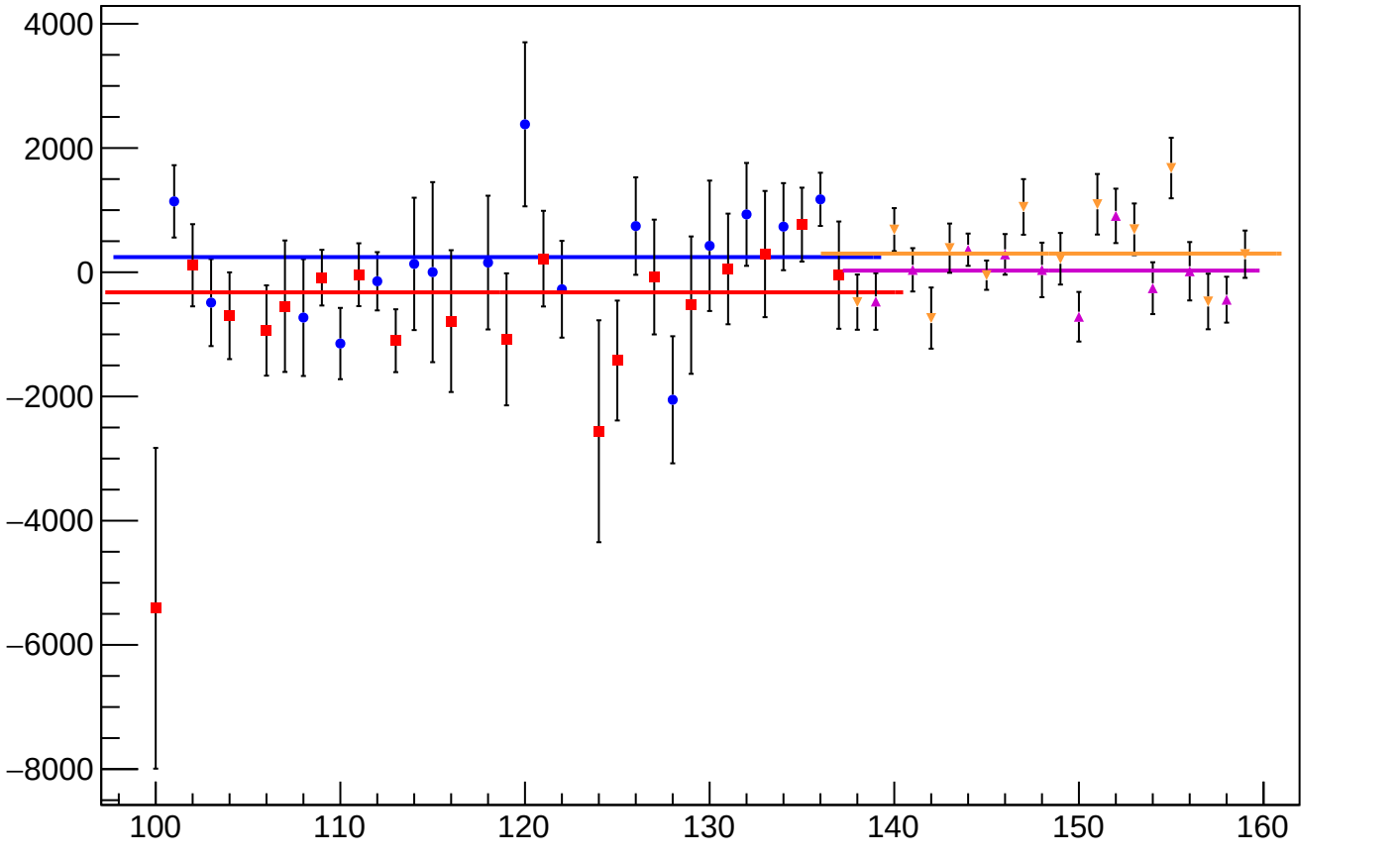
Left: 47.430+/-0.008 χ^2/NDF: 235867.1/21

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

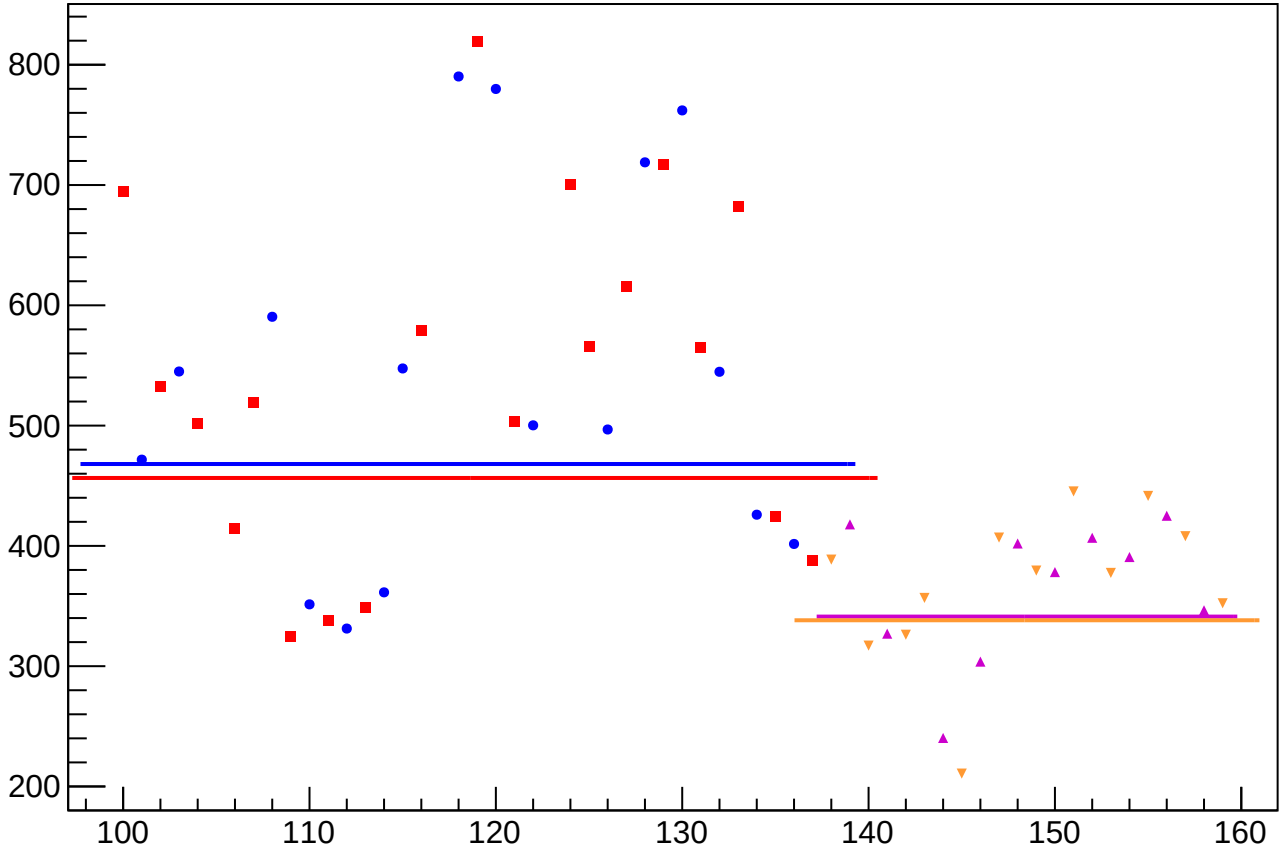
In: 49.120+/-0.009 χ^2/NDF:827906.2/25

Out: 49.462+/-0.009 χ^2/NDF:935446.9/30

All: 49.295+/-0.006 χ^2/NDF: 1764105.8/56


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 300.657+/-112.702 χ²/NDF:28.4/11
Right Out: -323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 26.707+/-118.308 χ²/NDF:13.1/9
Left: 170.326+/-81.602 χ²/NDF: 44.2/21
Right: -51.485+/-125.257 χ²/NDF: 47.2/34
In: 91.766+/-99.009 χ²/NDF:39.7/25
Out: 115.604+/-94.533 χ²/NDF:53.9/30
All: 104.235+/-68.373 χ²/NDF: 93.6/56

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: 338.164+/-0.080 χ^2/NDF:945854.7/11

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 341.226+/-0.084 χ^2/NDF:579909.0/9

Left: 339.621+/-0.058 χ^2/NDF: 1526465.8/21

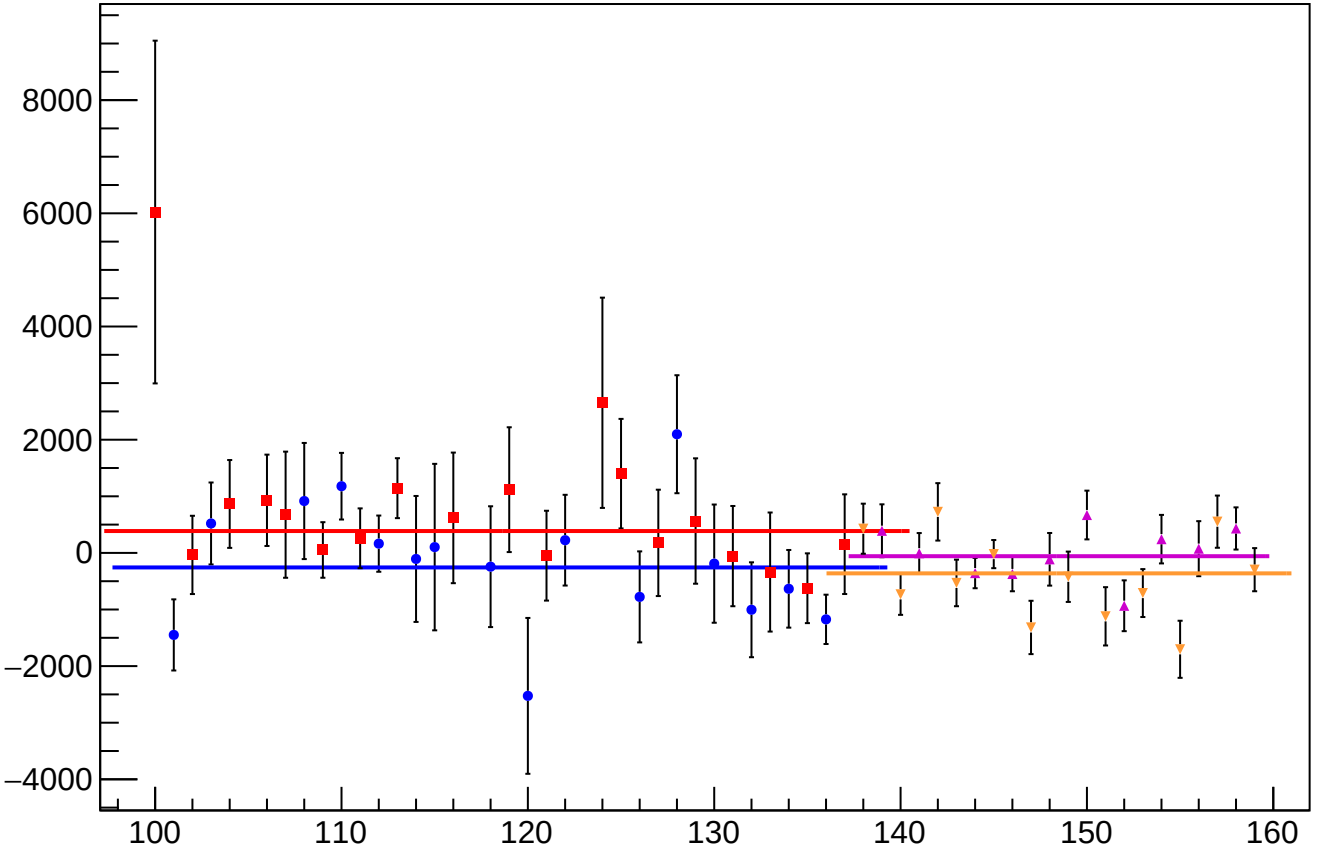
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 379.232+/-0.070 χ^2/NDF:2251656.0/25

Out: 373.232+/-0.067 χ^2/NDF:2681663.2/30

All: 376.094+/-0.048 χ^2/NDF: 4937161.7/56

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -361.361+/-116.967 χ^2/NDF:28.9/11

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -58.084+/-120.434 χ^2/NDF:12.2/9

Left: -214.151+/-83.907 χ^2/NDF: 44.3/21

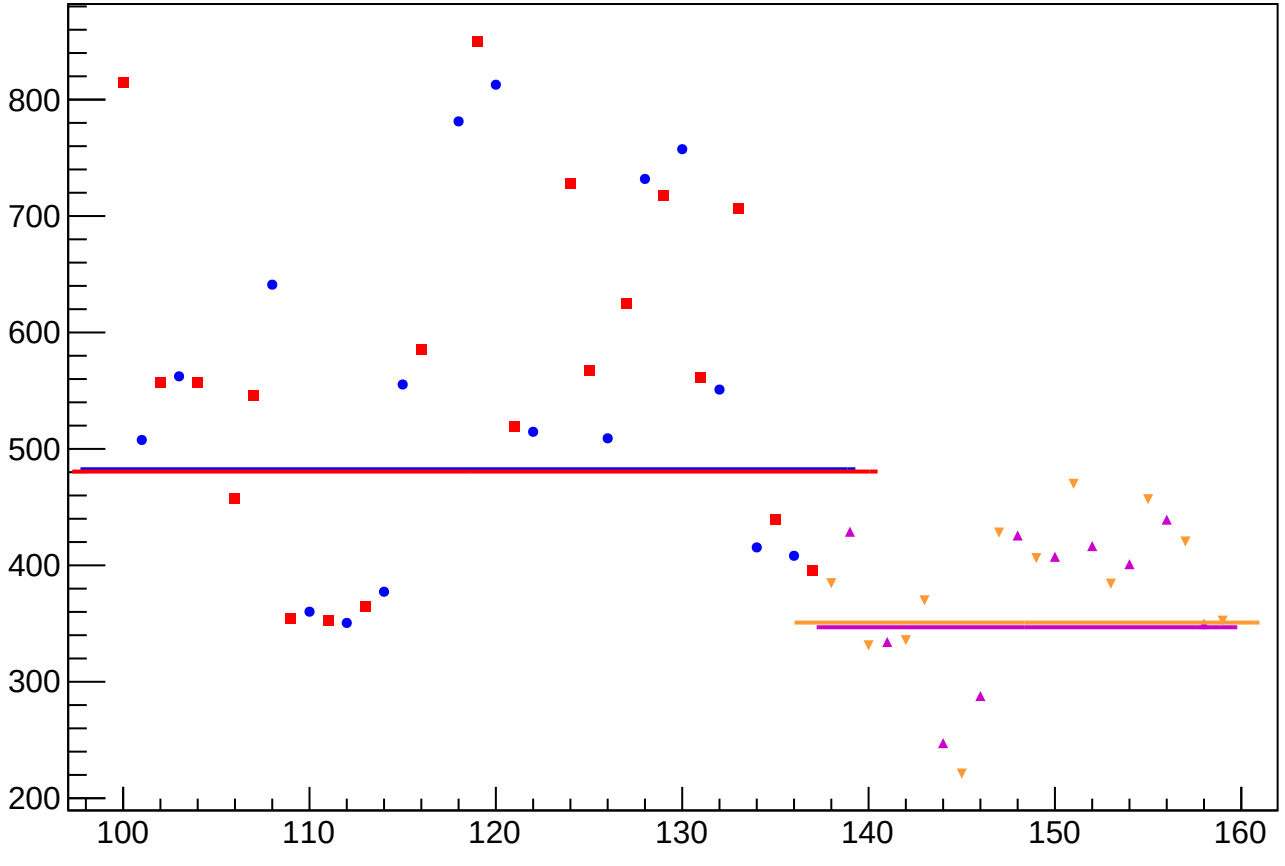
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -116.565+/-101.167 χ^2/NDF:39.9/25

Out: -143.391+/-98.455 χ^2/NDF:55.0/30

All: -130.342+/-70.558 χ^2/NDF: 95.0/56

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 350.854+/-0.083 χ^2/NDF:905547.7/11

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 346.824+/-0.085 χ^2/NDF:664463.1/9

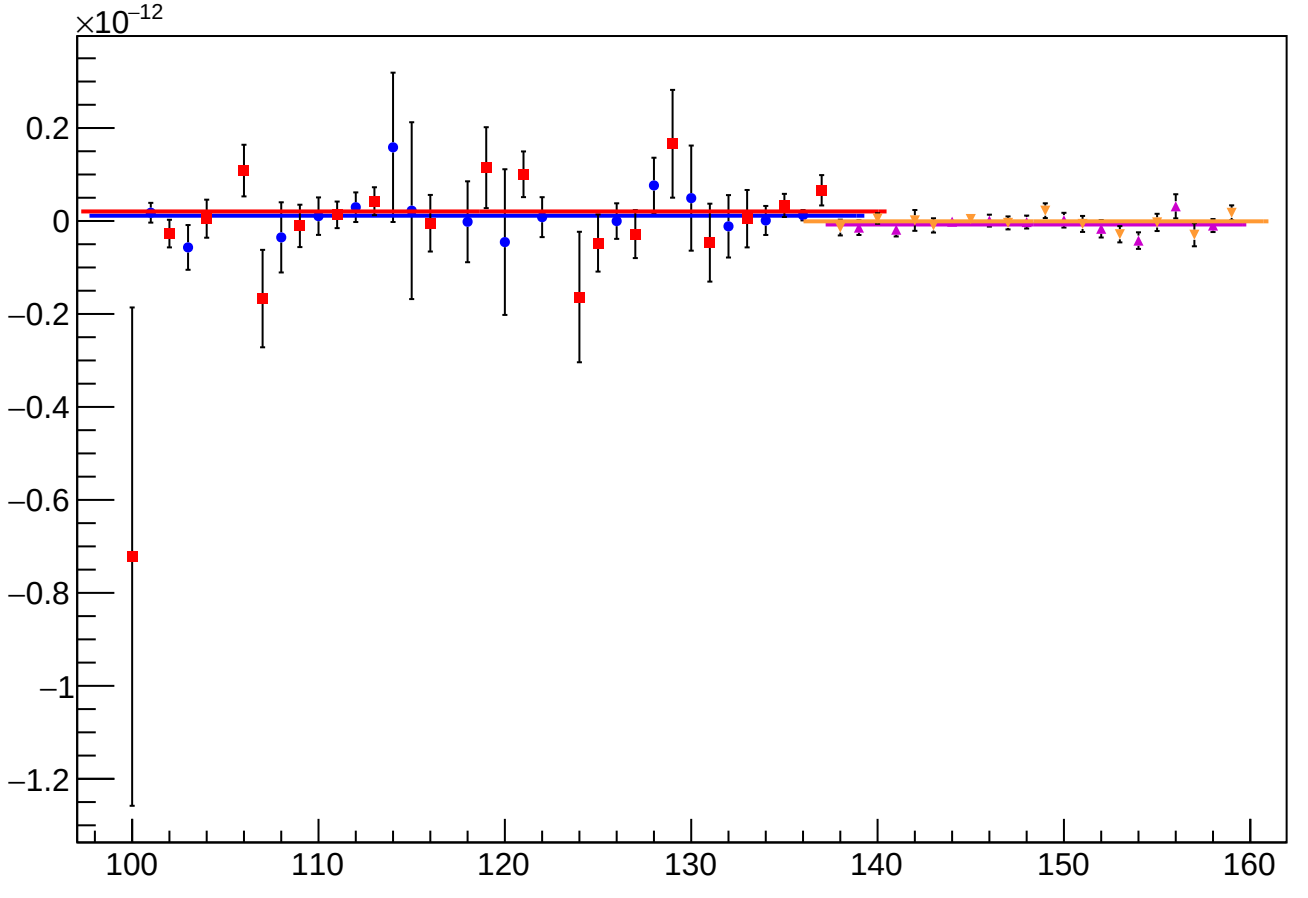
Left: 348.898+/-0.059 χ^2/NDF: 1571163.2/21

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 386.767+/-0.072 χ^2/NDF:2358314.4/25

Out: 388.660+/-0.070 χ^2/NDF:2616185.0/30

All: 387.739+/-0.050 χ^2/NDF: 4974859.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/9

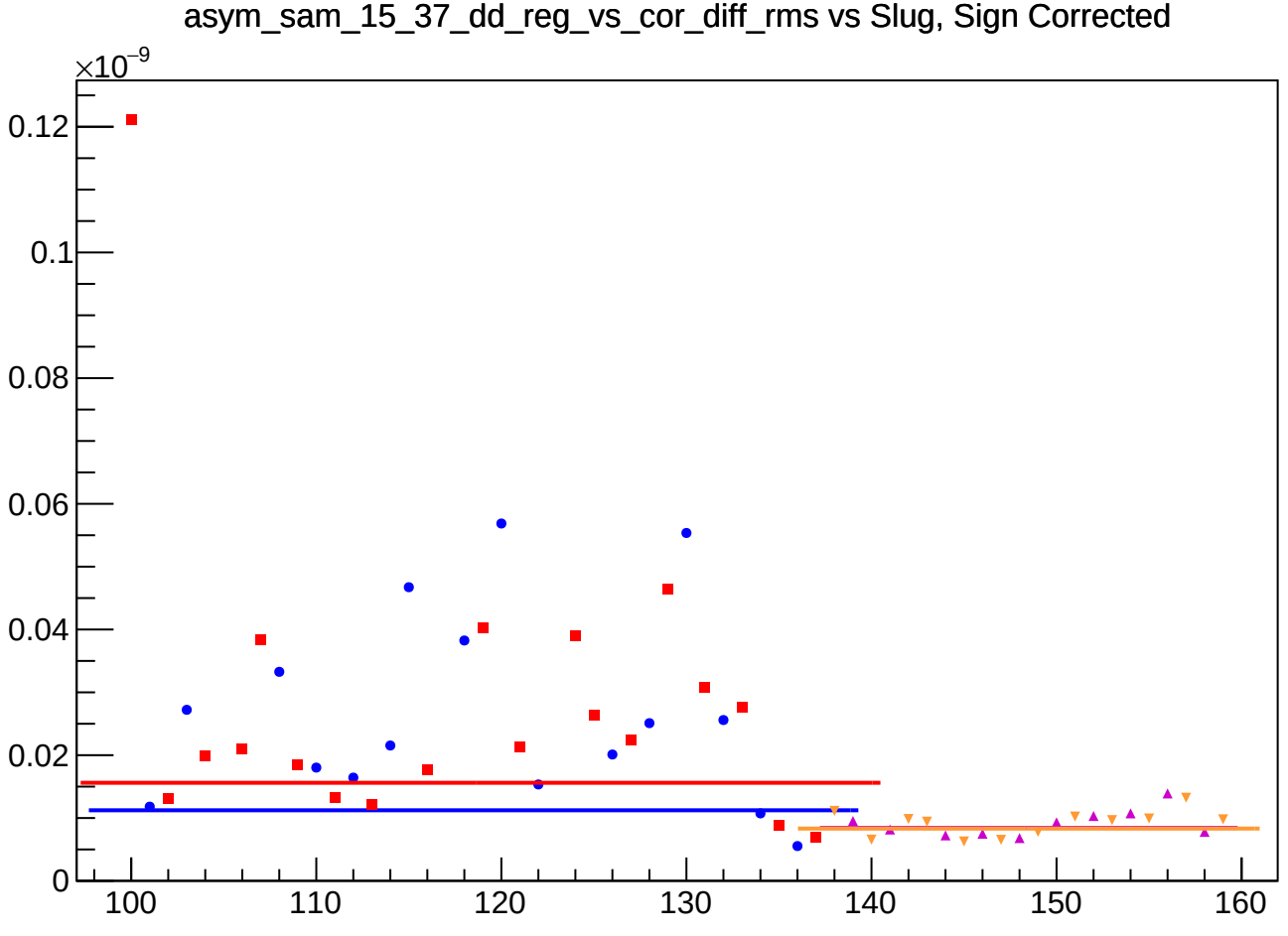
Left: -0.000+/-0.000 χ^2/NDF: 18.4/21

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:17.9/25

Out: 0.000+/-0.000 χ^2/NDF:36.3/30

All: -0.000+/-0.000 χ^2/NDF: 55.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:393392.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:226616.1/9

Left: 0.000+/-0.000 χ^2/NDF: 620525.6/21

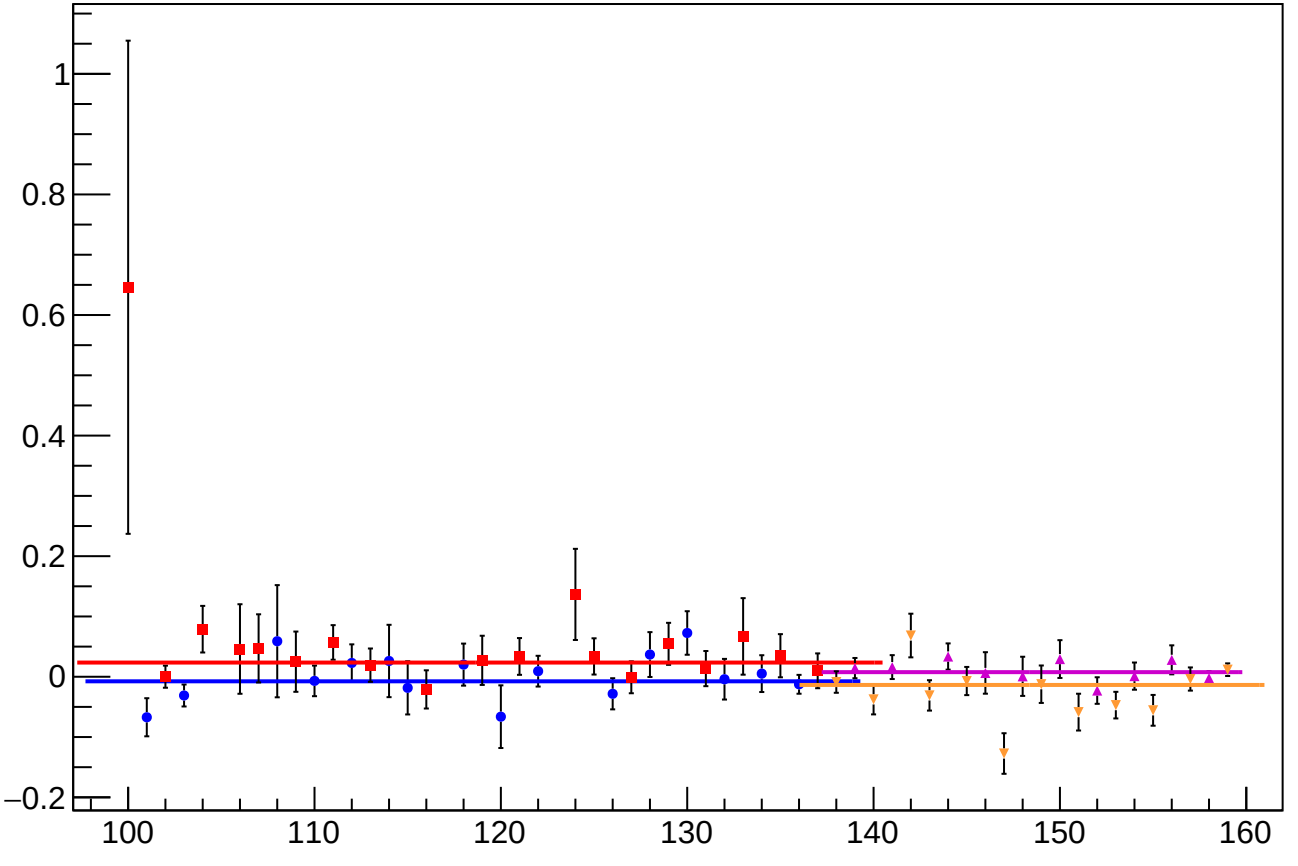
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2513015.5/25

Out: 0.000+/-0.000 χ^2/NDF:2432116.7/30

All: 0.000+/-0.000 χ^2/NDF: 4950599.4/56

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

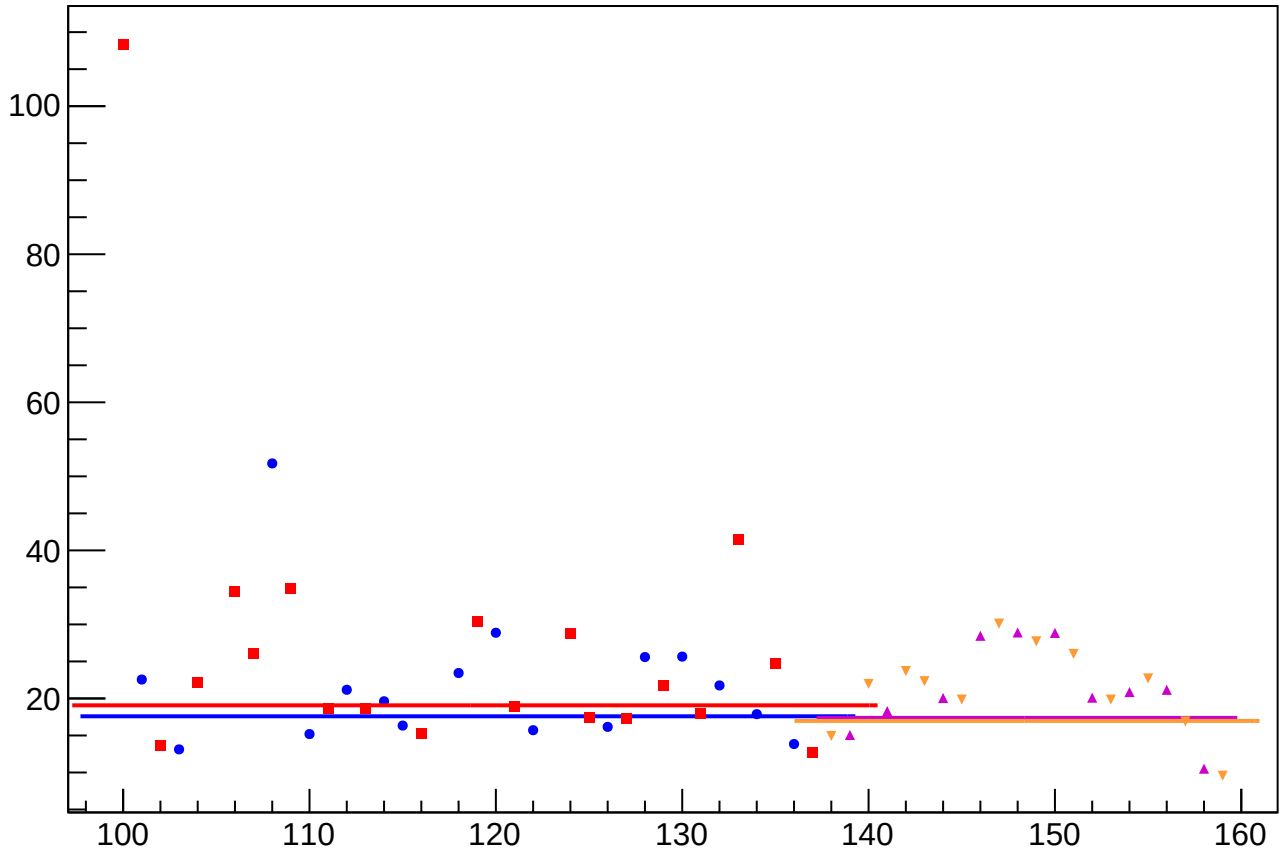
Left: -0.004+/-0.004 χ^2/NDF: 42.9/21

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.001+/-0.003 χ^2/NDF: 85.3/56



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.970+/-0.004 χ^2/NDF:2150900.9/11

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

Left: 17.160+/-0.003 χ^2/NDF: 3782610.4/21

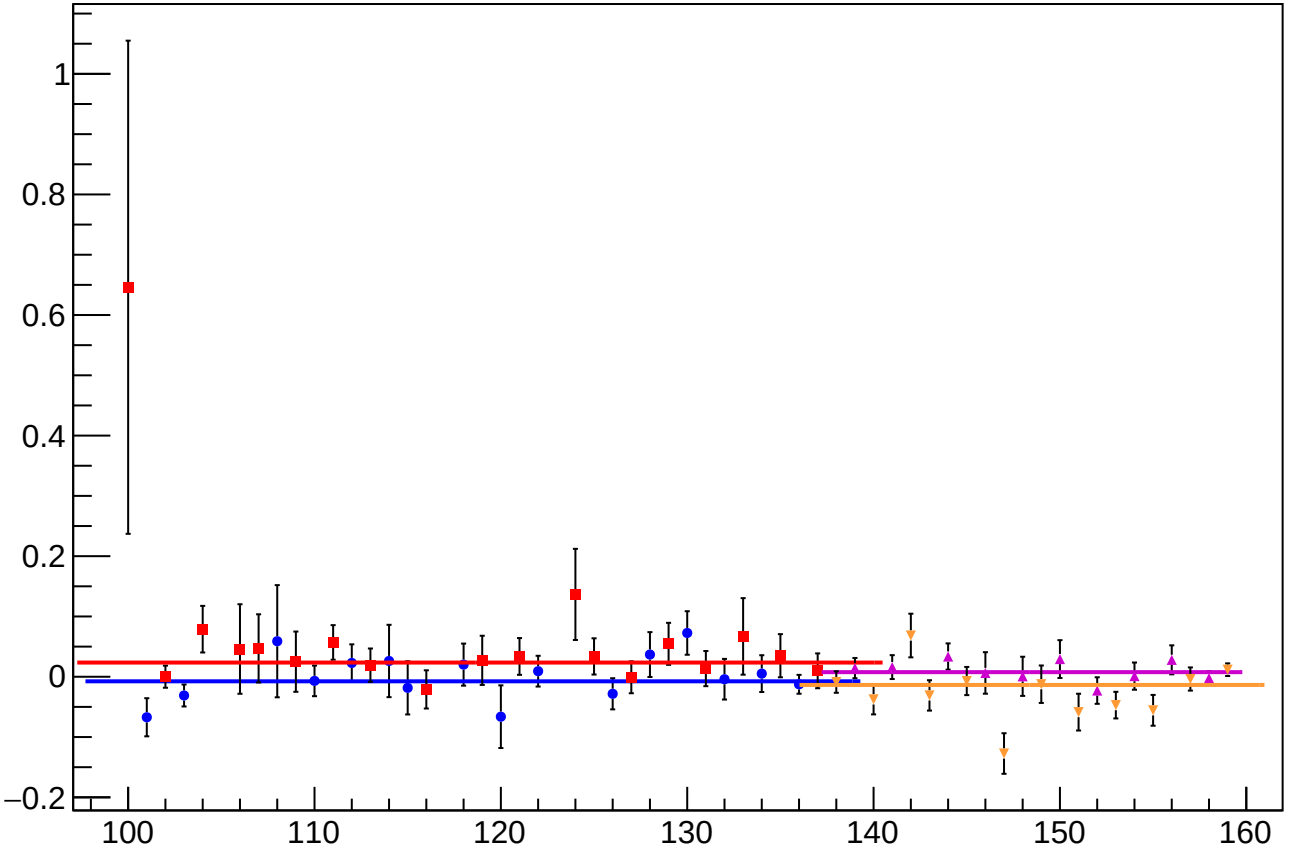
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.471+/-0.003 χ^2/NDF:2621763.3/25

Out: 17.766+/-0.003 χ^2/NDF:3490440.0/30

All: 17.619+/-0.002 χ^2/NDF: 6116032.5/56

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

Left: -0.004+/-0.004 χ^2/NDF: 42.9/21

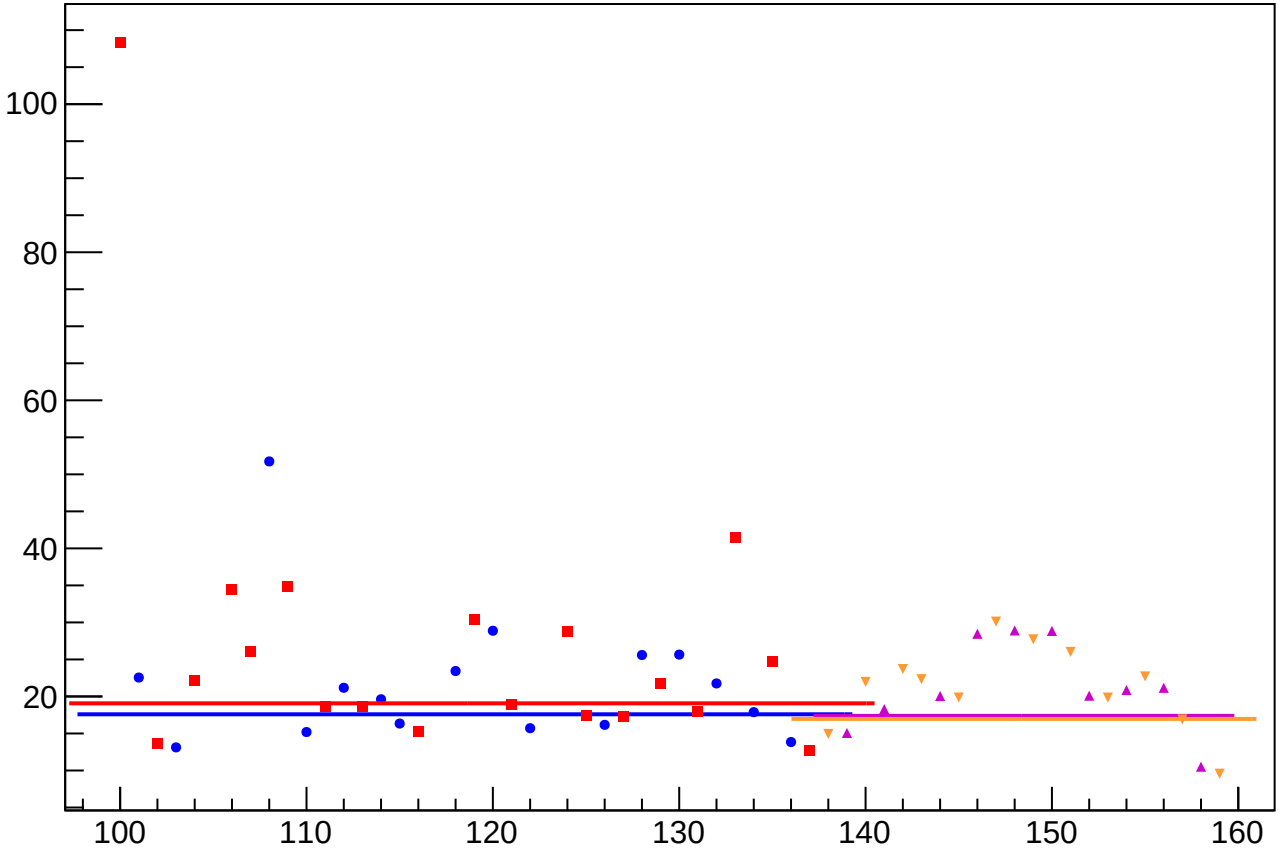
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.001+/-0.003 χ^2/NDF: 85.3/56

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: 16.970+/-0.004 χ^2/NDF:2150900.9/11

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

Left: 17.160+/-0.003 χ^2/NDF: 3782610.4/21

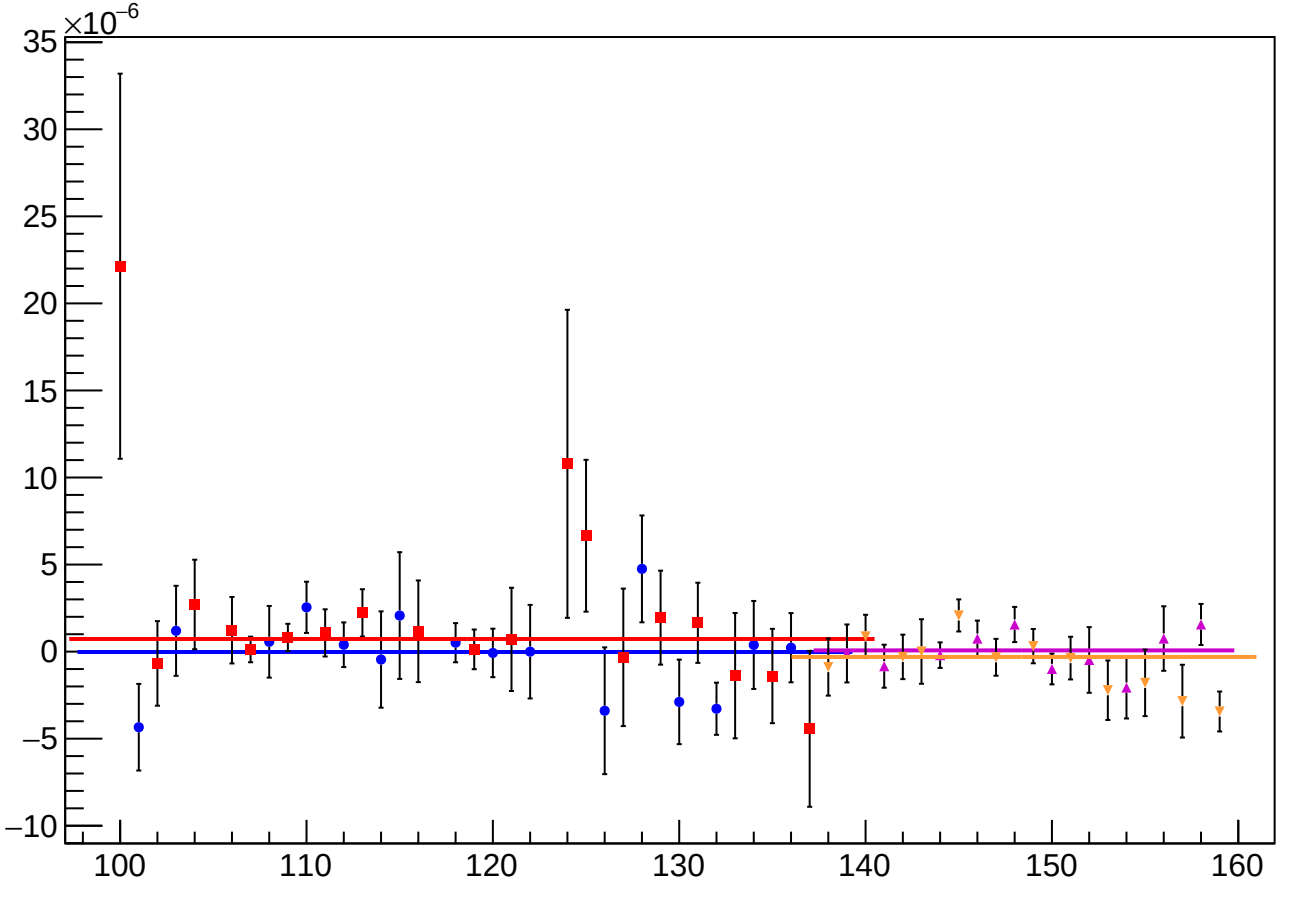
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.471+/-0.003 χ^2/NDF:2621763.3/25

Out: 17.766+/-0.003 χ^2/NDF:3490440.0/30

All: 17.619+/-0.002 χ^2/NDF: 6116032.5/56

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

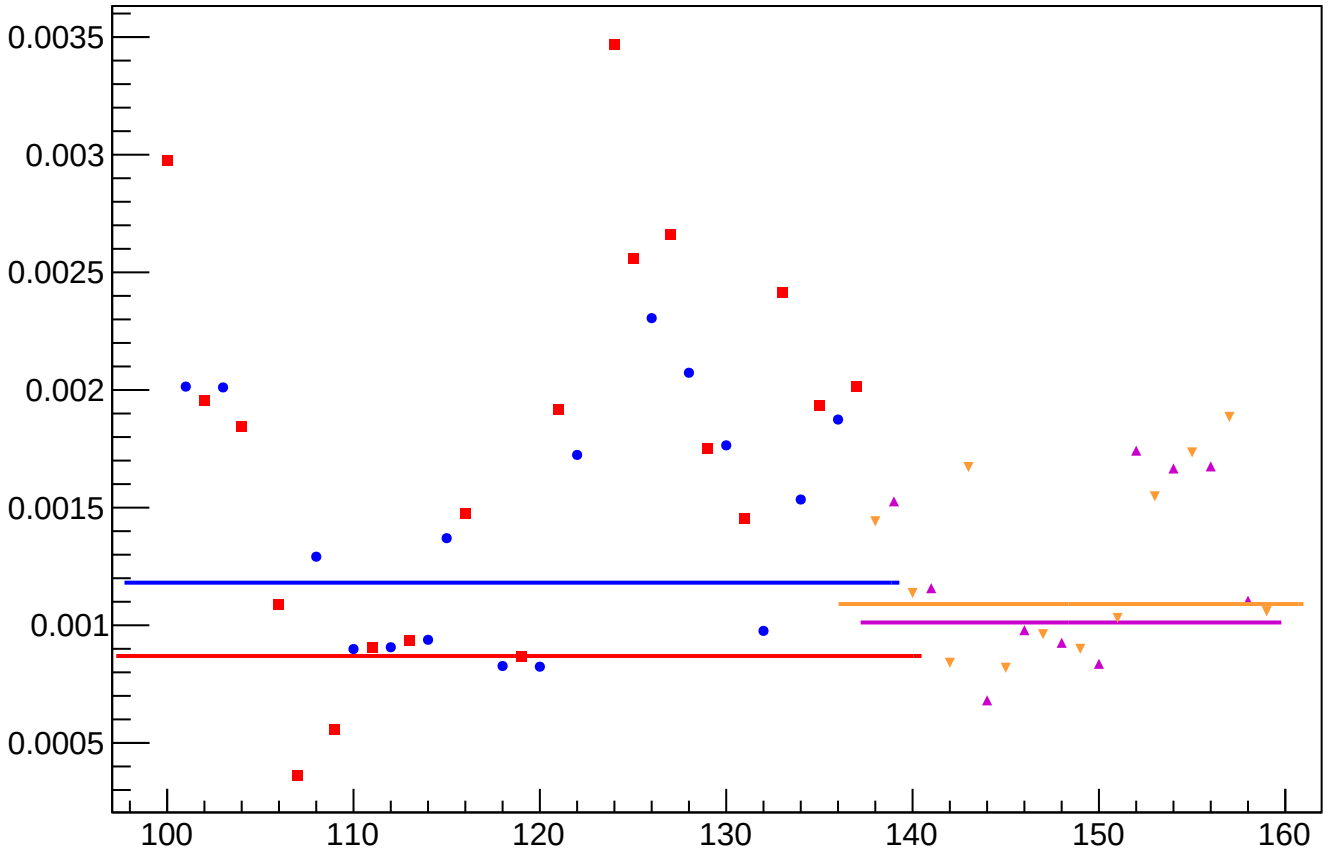
Left: -0.000+/-0.000 χ^2/NDF: 27.5/21

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:24.5/25

Out: 0.000+/-0.000 χ^2/NDF:35.6/30

All: 0.000+/-0.000 χ^2/NDF: 60.3/56



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1312007.5/11

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1560767.5/9

Left: 0.001+/-0.000 χ^2/NDF: 2918762.3/21

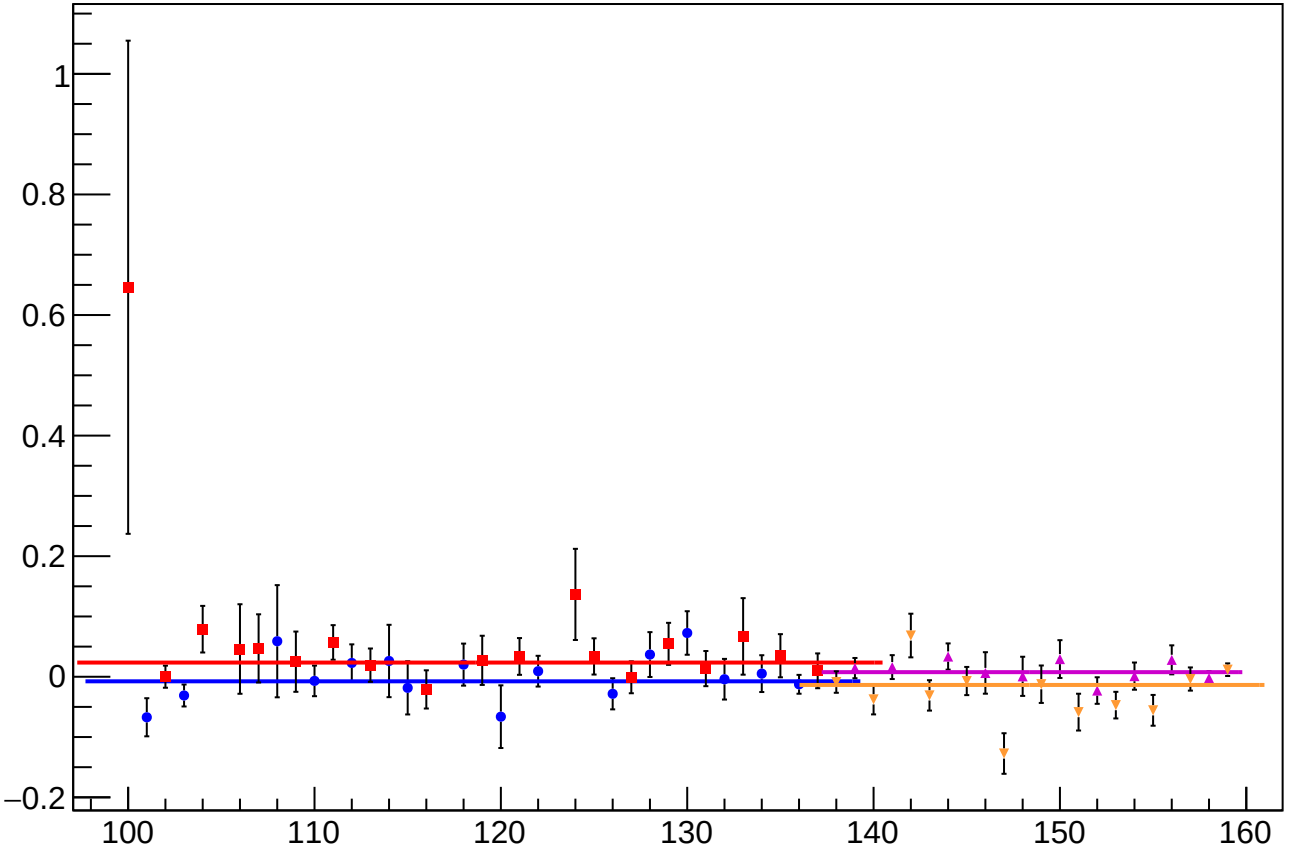
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3550877.1/25

Out: 0.001+/-0.000 χ^2/NDF:6092983.2/30

All: 0.001+/-0.000 χ^2/NDF: 9752491.1/56

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

Left: -0.004+/-0.004 χ^2/NDF: 42.9/21

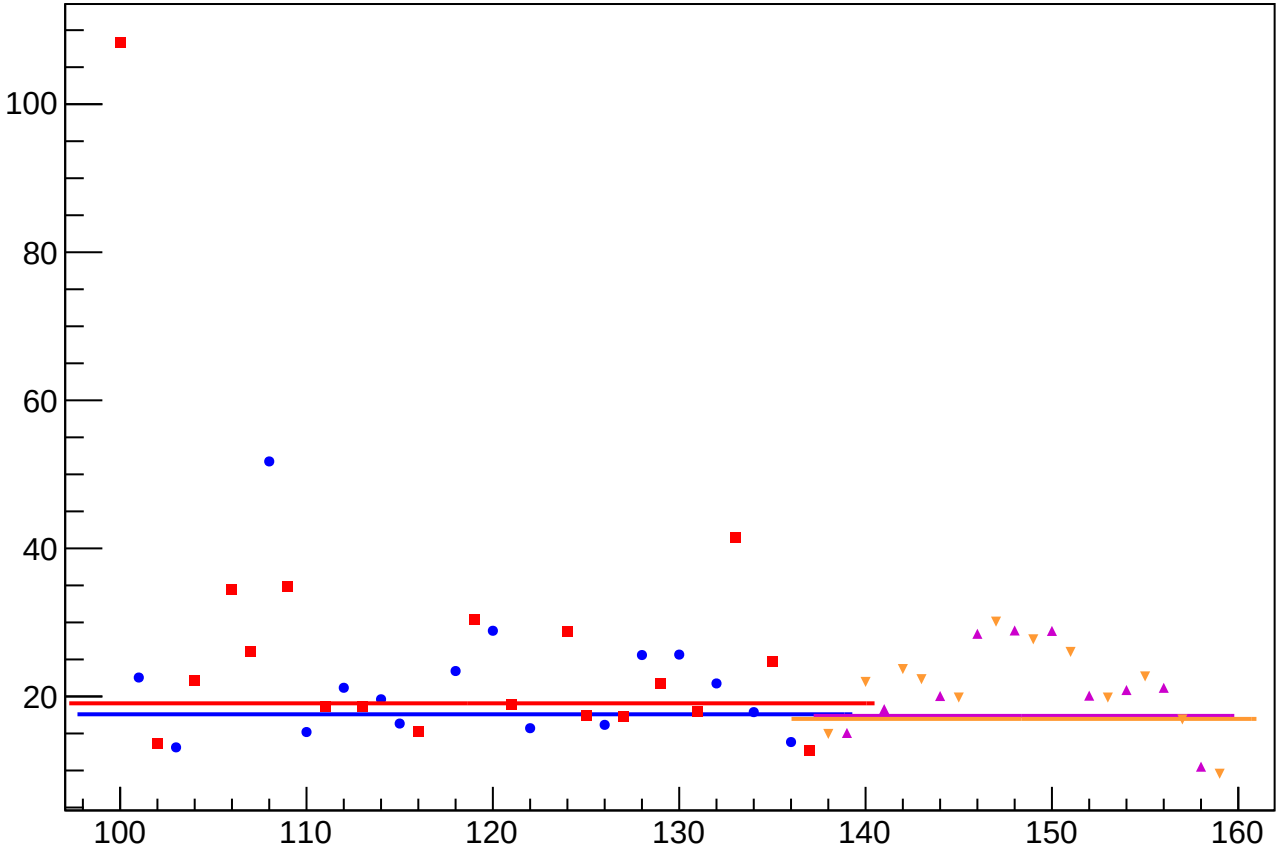
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.001+/-0.003 χ^2/NDF: 85.3/56

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: 16.969+/-0.004 χ^2/NDF:2151171.3/11

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

Left: 17.159+/-0.003 χ^2/NDF: 3783085.4/21

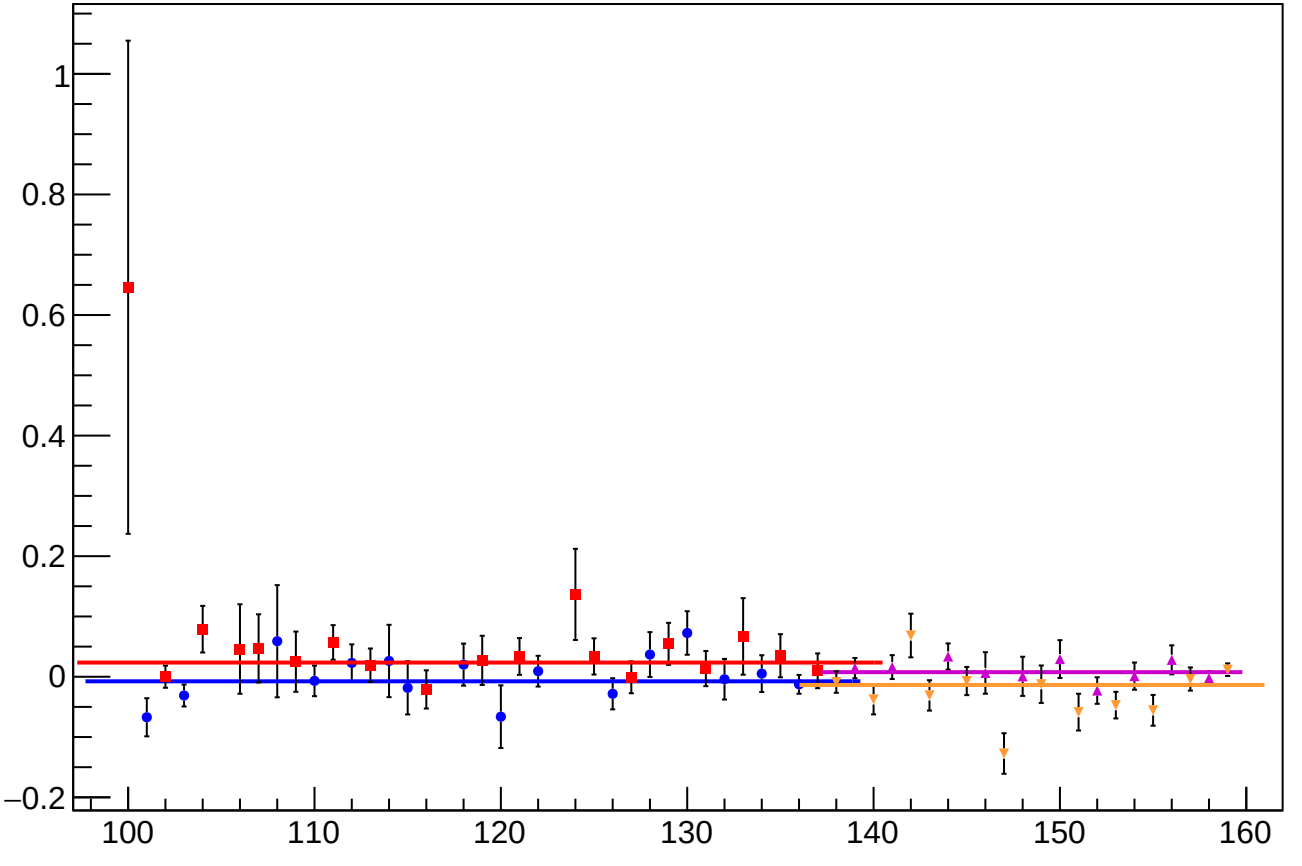
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.471+/-0.003 χ^2/NDF:2622008.1/25

Out: 17.766+/-0.003 χ^2/NDF:3490687.8/30

All: 17.619+/-0.002 χ^2/NDF: 6116525.6/56

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: -0.014+/-0.006 χ^2/NDF:31.4/11

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

Left: -0.004+/-0.004 χ^2/NDF: 42.9/21

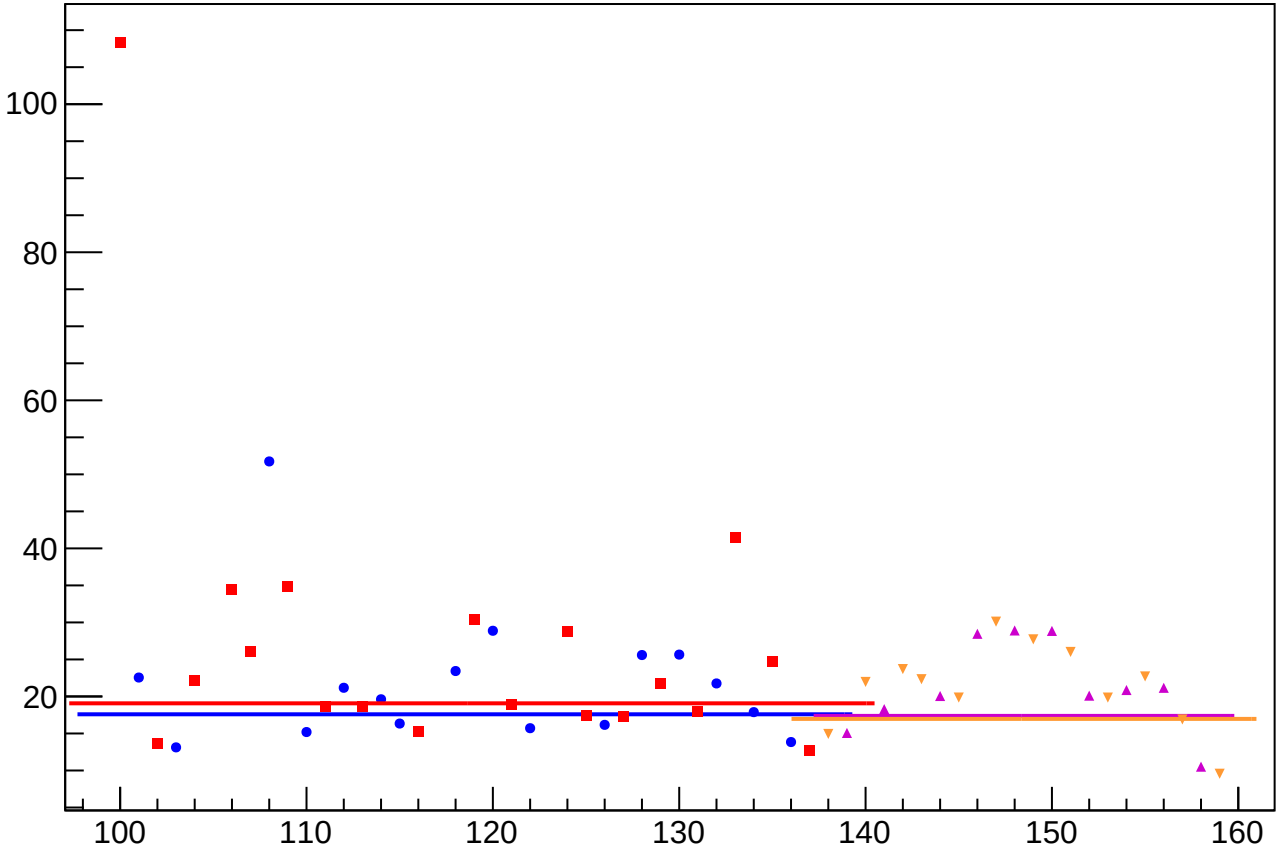
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.001+/-0.003 χ^2/NDF: 85.3/56

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: 16.969+/-0.004 χ^2/NDF:2151171.3/11

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

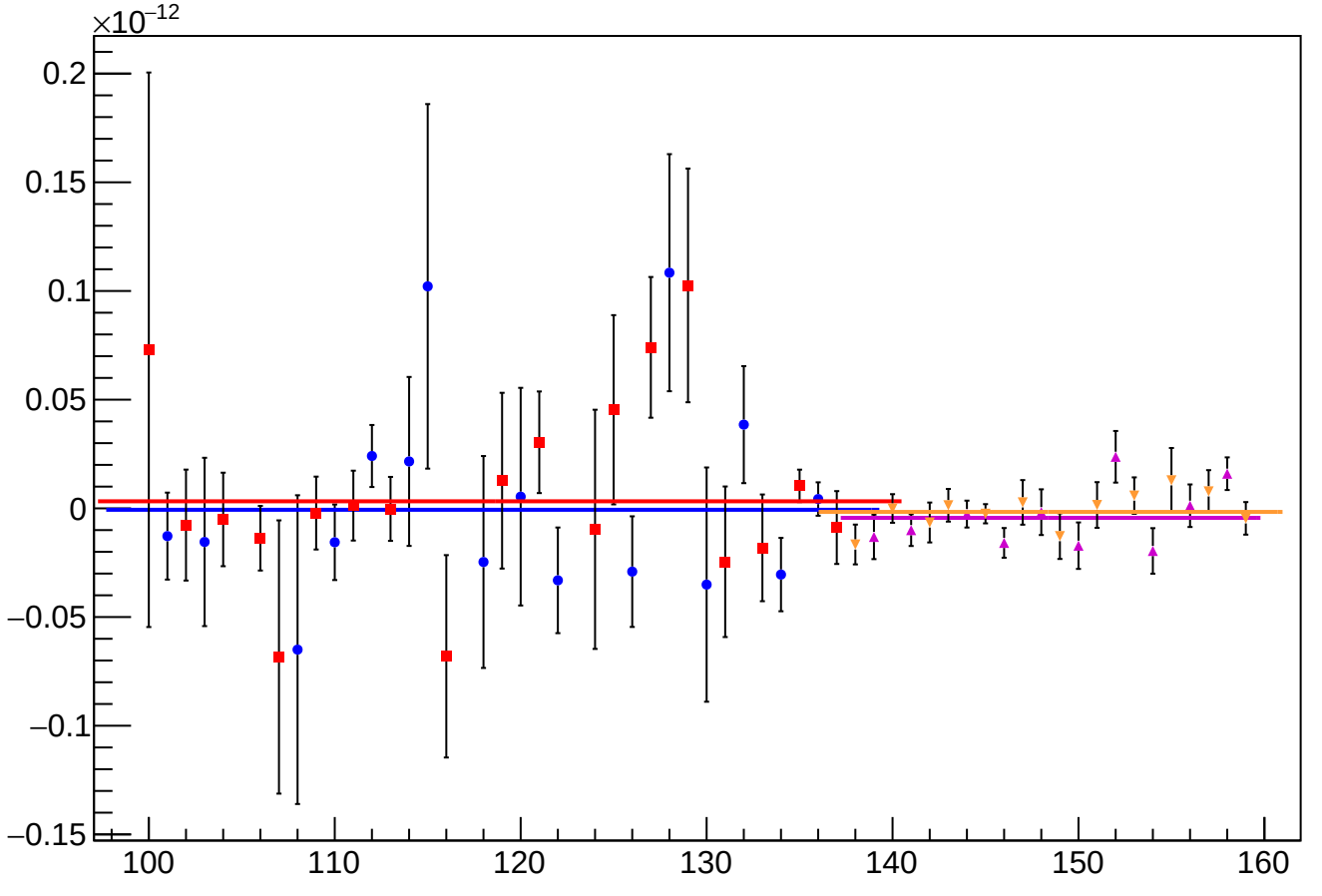
Left: 17.159+/-0.003 χ^2/NDF: 3783085.4/21

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.471+/-0.003 χ^2/NDF:2622008.1/25

Out: 17.766+/-0.003 χ^2/NDF:3490687.8/30

All: 17.619+/-0.002 χ^2/NDF: 6116525.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/9

Left: -0.000+/-0.000 χ^2/NDF: 29.2/21

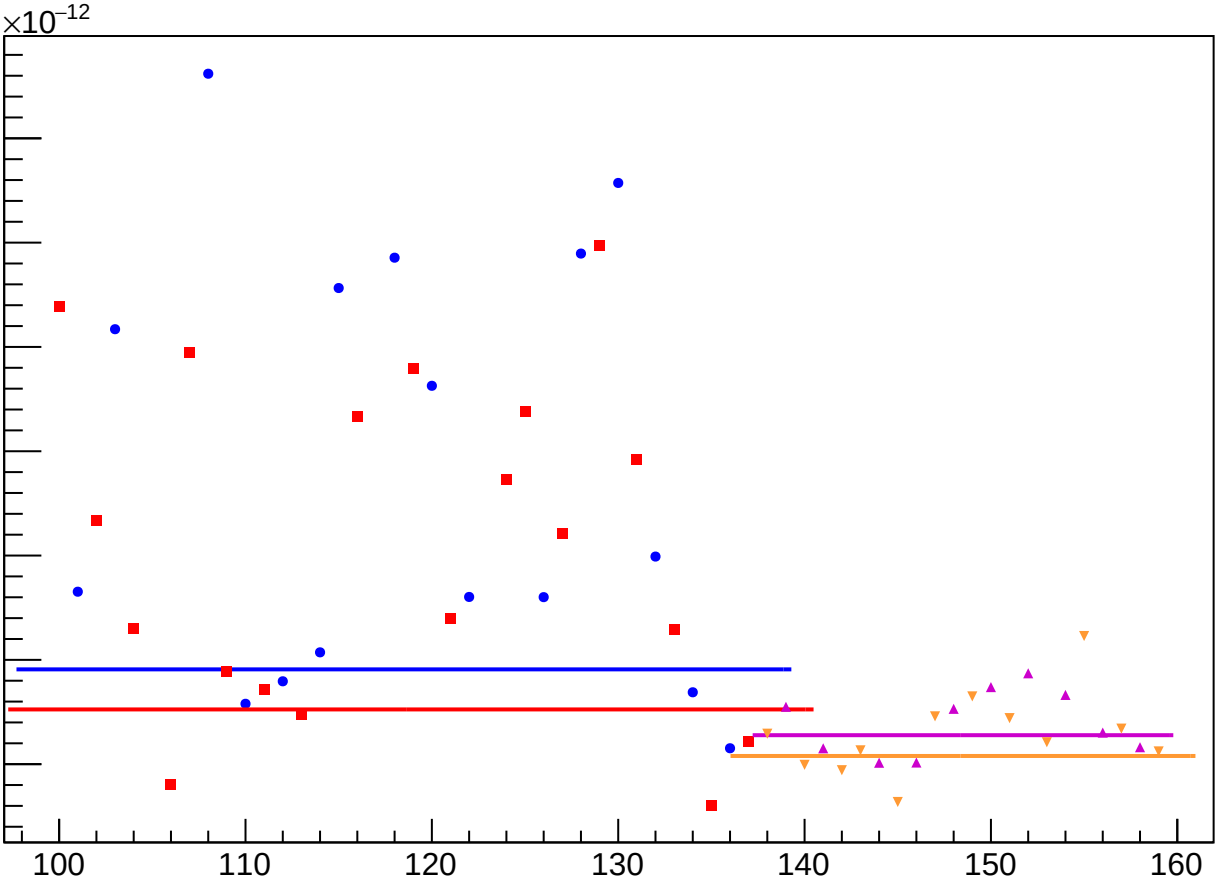
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:41.8/25

Out: -0.000+/-0.000 χ^2/NDF:27.6/30

All: -0.000+/-0.000 χ^2/NDF: 70.2/56

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:1172026.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:541975.3/9

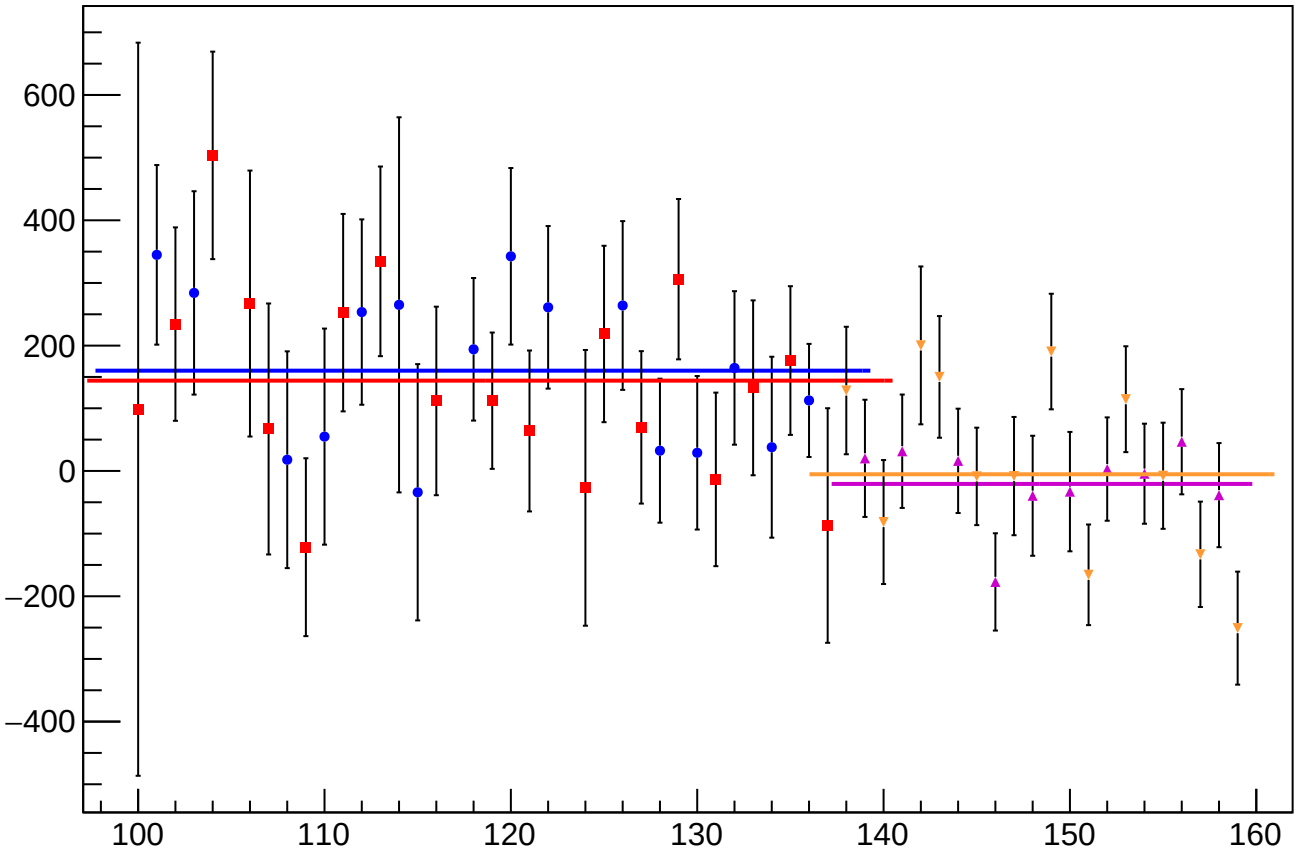
Left: 0.000+/-0.000 χ^2/NDF: 1872868.7/21

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3779412.7/25

Out: 0.000+/-0.000 χ^2/NDF:4650438.5/30

All: 0.000+/-0.000 χ^2/NDF: 8737530.5/56



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -5.287+/-26.153 χ^2/NDF:27.8/11

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -20.720+/-27.151 χ^2/NDF:5.6/9

Left: -12.715+/-18.836 χ^2/NDF: 33.6/21

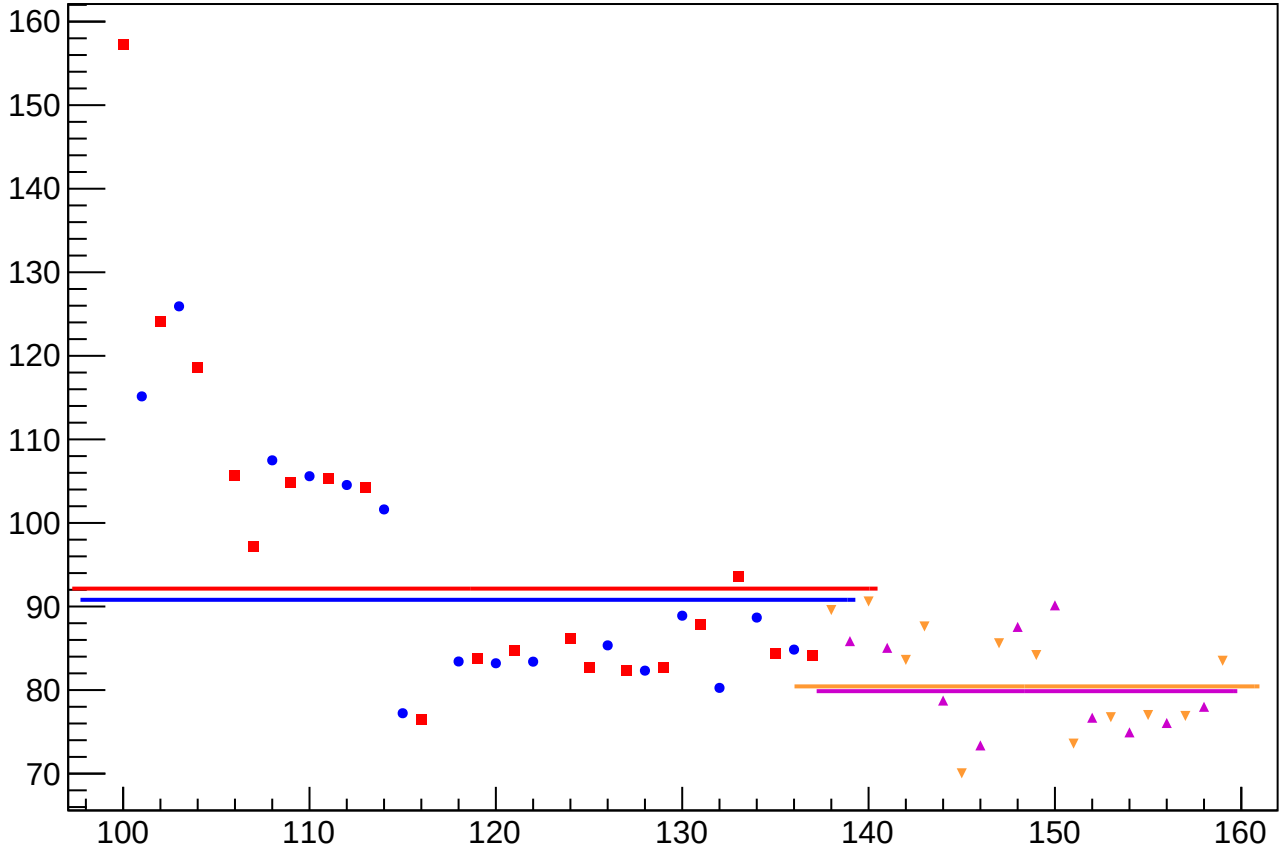
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 49.230+/-21.257 χ^2/NDF:33.9/25

Out: 49.816+/-20.778 χ^2/NDF:57.2/30

All: 49.530+/-14.859 χ^2/NDF: 91.1/56

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.440+/-0.018 χ^2/NDF:121996.4/11

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

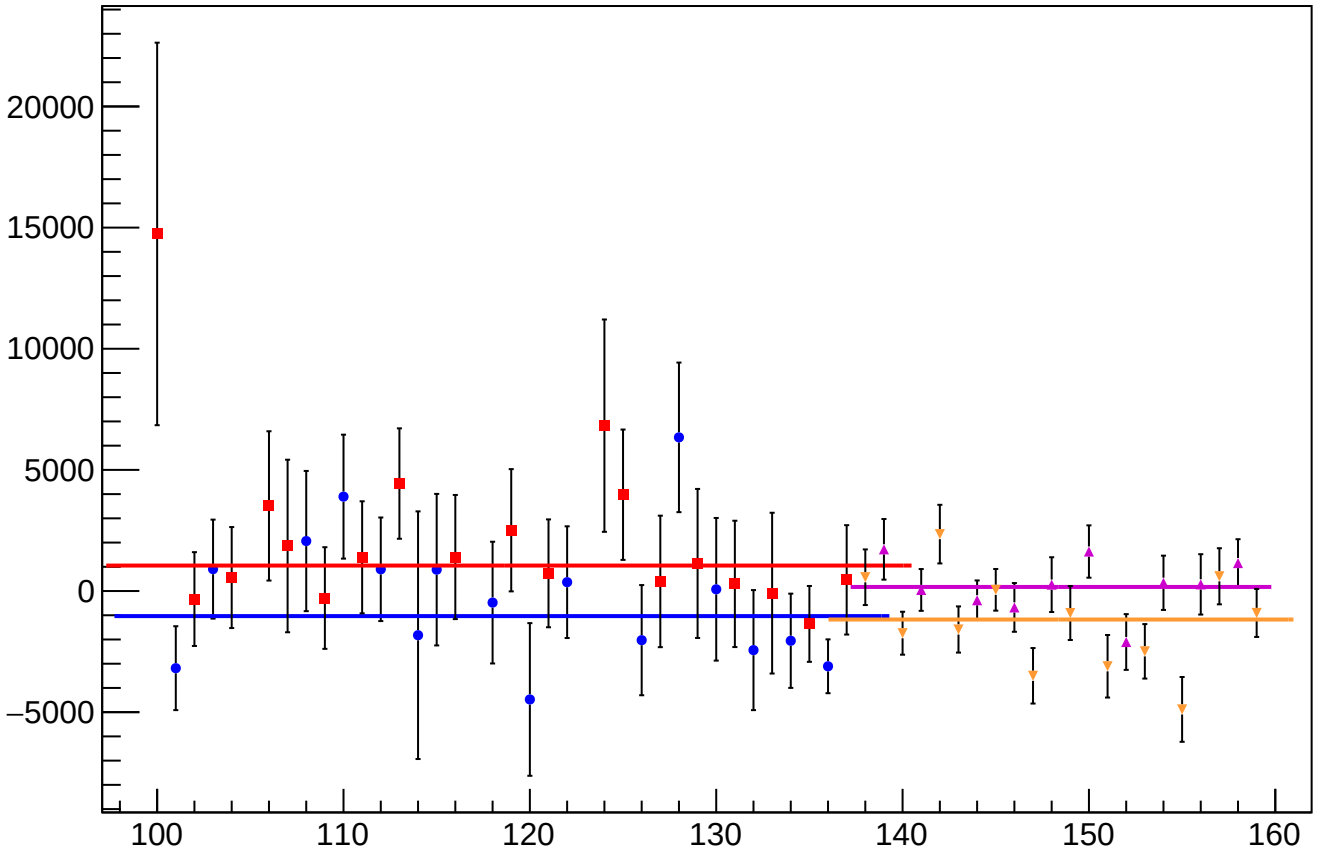
Left: 80.165+/-0.013 χ^2/NDF: 203458.9/21

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 84.100+/-0.015 χ^2/NDF:479274.4/25

Out: 84.755+/-0.015 χ^2/NDF:571692.8/30

All: 84.435+/-0.011 χ^2/NDF: 1051940.0/56



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1175.742+/-309.249 χ^2/NDF:31.3/11

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 168.699+/-327.199 χ^2/NDF:9.5/9

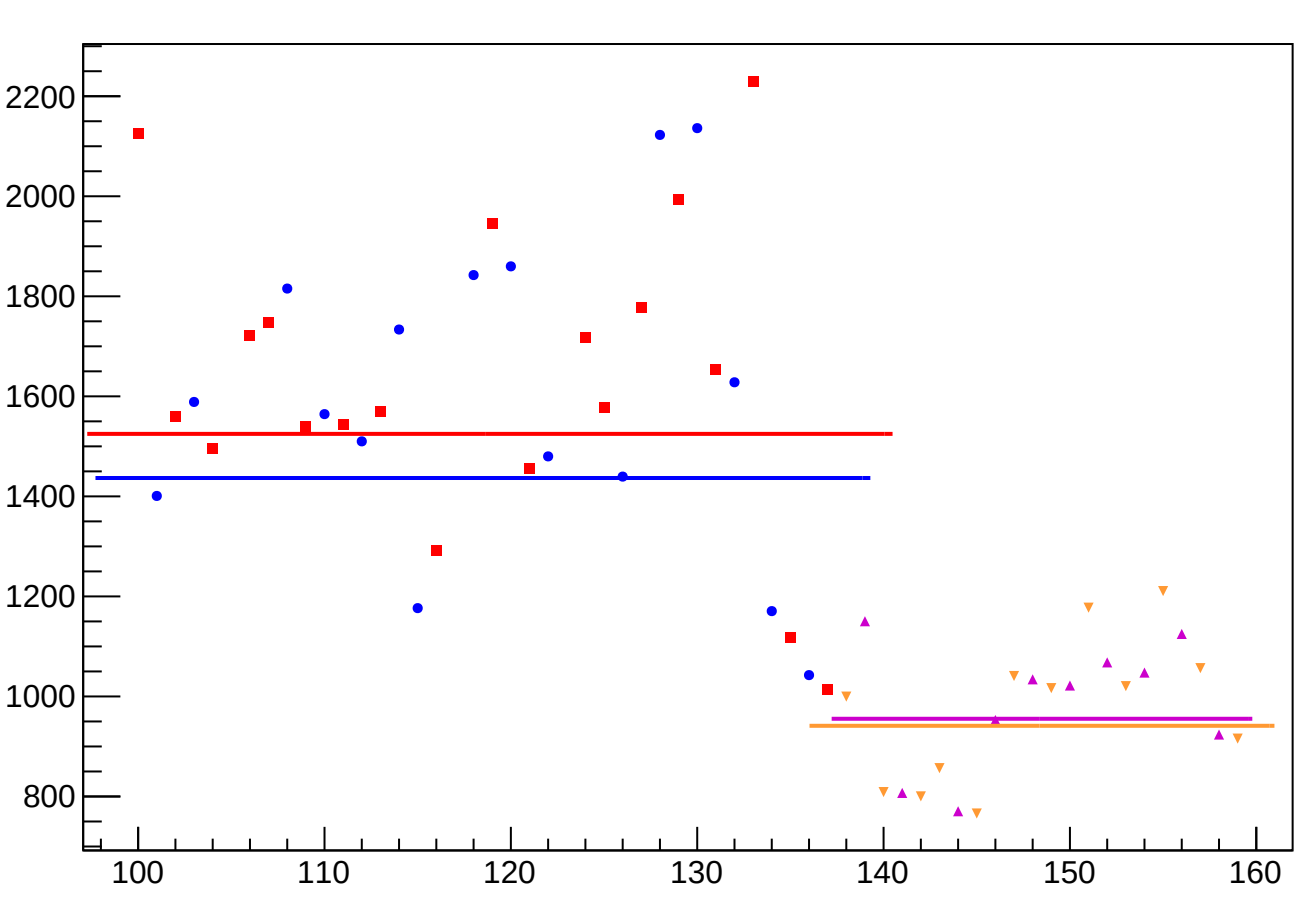
Left: -541.409+/-224.750 χ^2/NDF: 49.8/21

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -145.782+/-281.228 χ^2/NDF:33.3/25

Out: -667.770+/-271.704 χ^2/NDF:56.1/30

All: -415.764+/-195.404 χ^2/NDF: 91.1/56



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 941.332+/-0.219 χ^2/NDF:379620.7/11

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

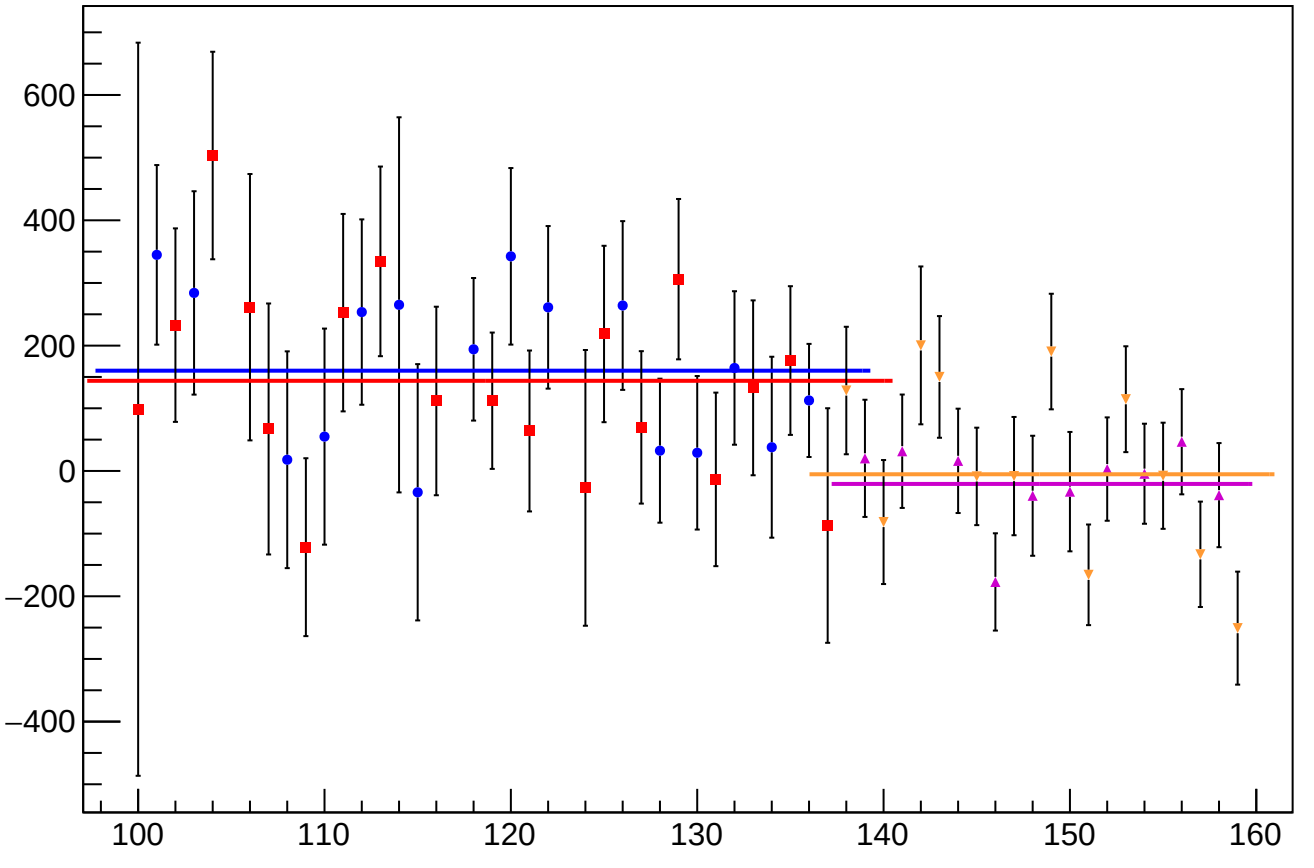
Left: 947.958+/-0.159 χ^2/NDF: 681028.8/21

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1081.133+/-0.199 χ^2/NDF:2105998.1/25

Out: 1074.439+/-0.192 χ^2/NDF:2508792.1/30

All: 1077.671+/-0.138 χ^2/NDF: 4615376.3/56



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -5.281+/-26.153 χ^2/NDF:27.8/11

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.718+/-27.151 χ^2/NDF:5.6/9

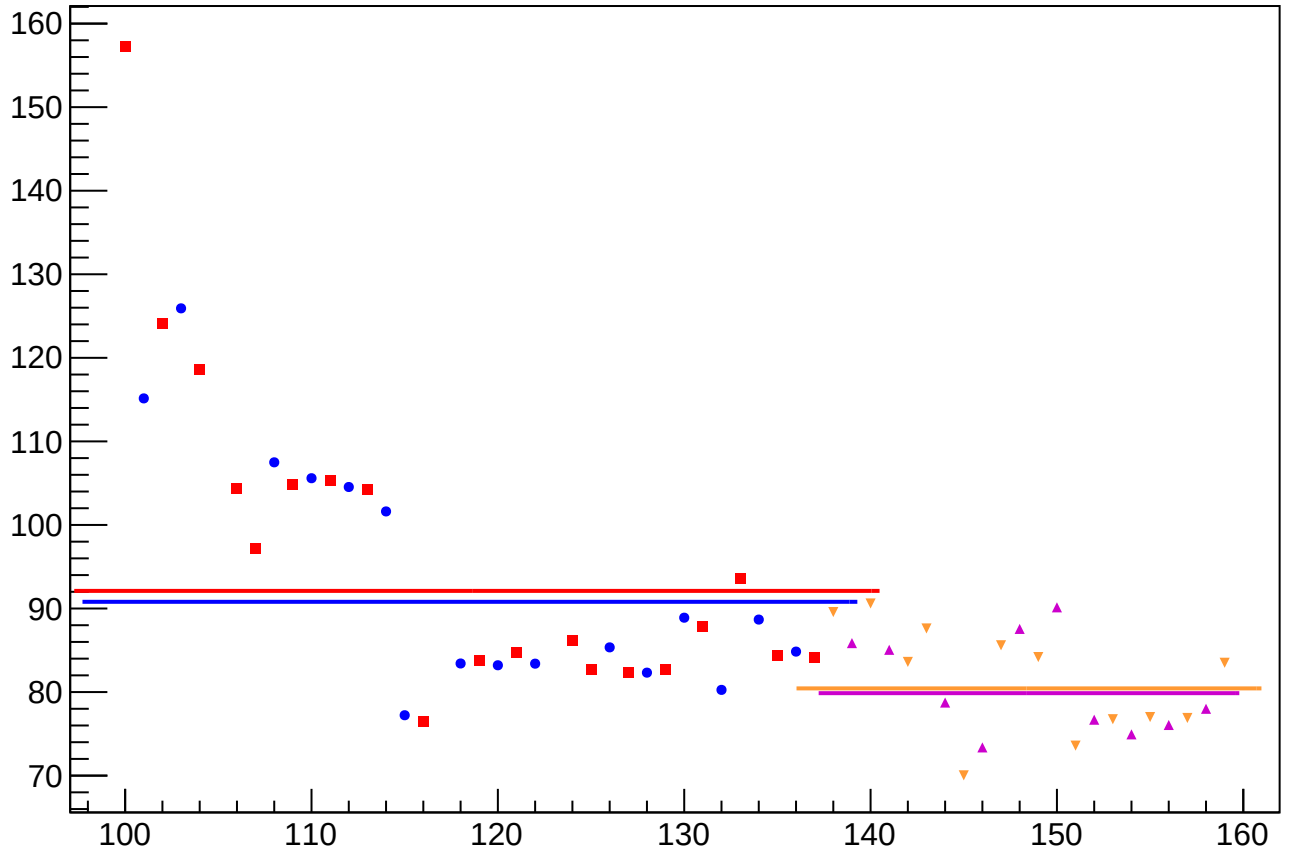
Left: -12.711+/-18.836 χ^2/NDF: 33.6/21

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 49.230+/-21.257 χ^2/NDF:33.9/25

Out: 49.721+/-20.778 χ^2/NDF:57.1/30

All: 49.481+/-14.859 χ^2/NDF: 91.0/56



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.440+/-0.018 χ^2/NDF:121996.4/11

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

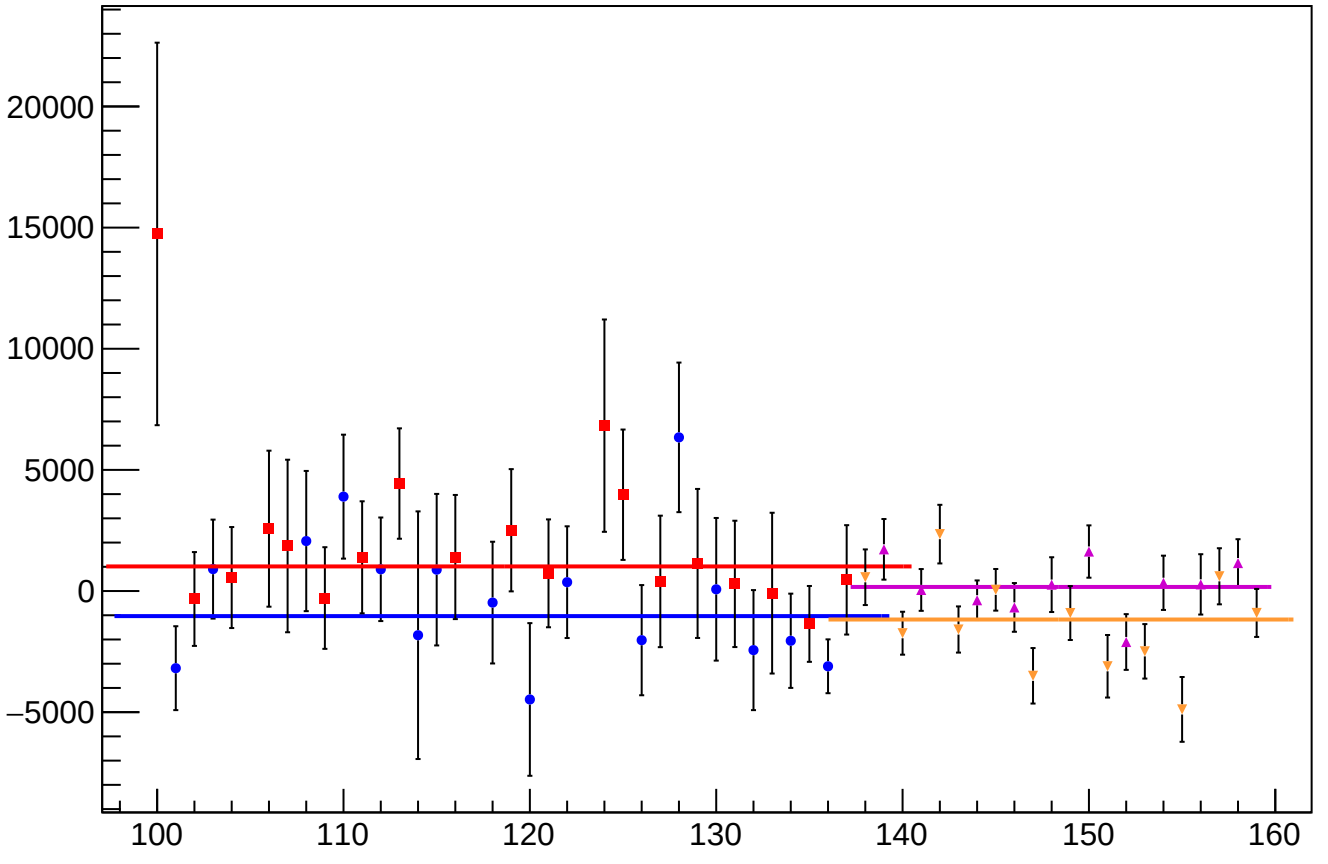
Left: 80.165+/-0.013 χ^2/NDF: 203458.9/21

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.100+/-0.015 χ^2/NDF:479276.3/25

Out: 84.743+/-0.015 χ^2/NDF:569583.1/30

All: 84.429+/-0.011 χ^2/NDF: 1049795.3/56



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1175.735+/-309.249 χ^2/NDF:31.3/11

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 168.701+/-327.199 χ^2/NDF:9.5/9

Left: -541.404+/-224.750 χ^2/NDF: 49.8/21

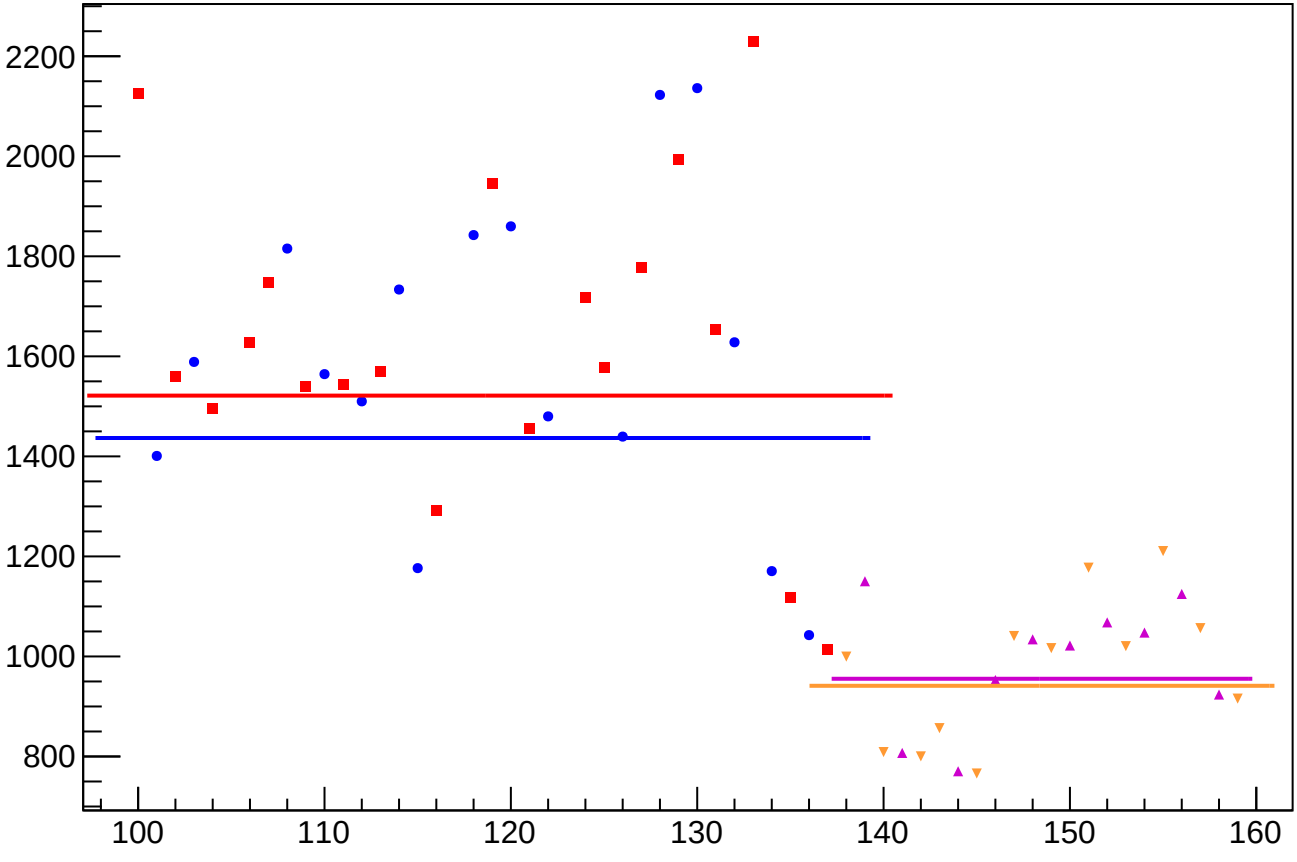
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -145.773+/-281.228 χ^2/NDF:33.3/25

Out: -677.140+/-271.796 χ^2/NDF:55.2/30

All: -420.517+/-195.438 χ^2/NDF: 90.4/56

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: 941.332+/-0.219 χ^2/NDF:379621.7/11

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

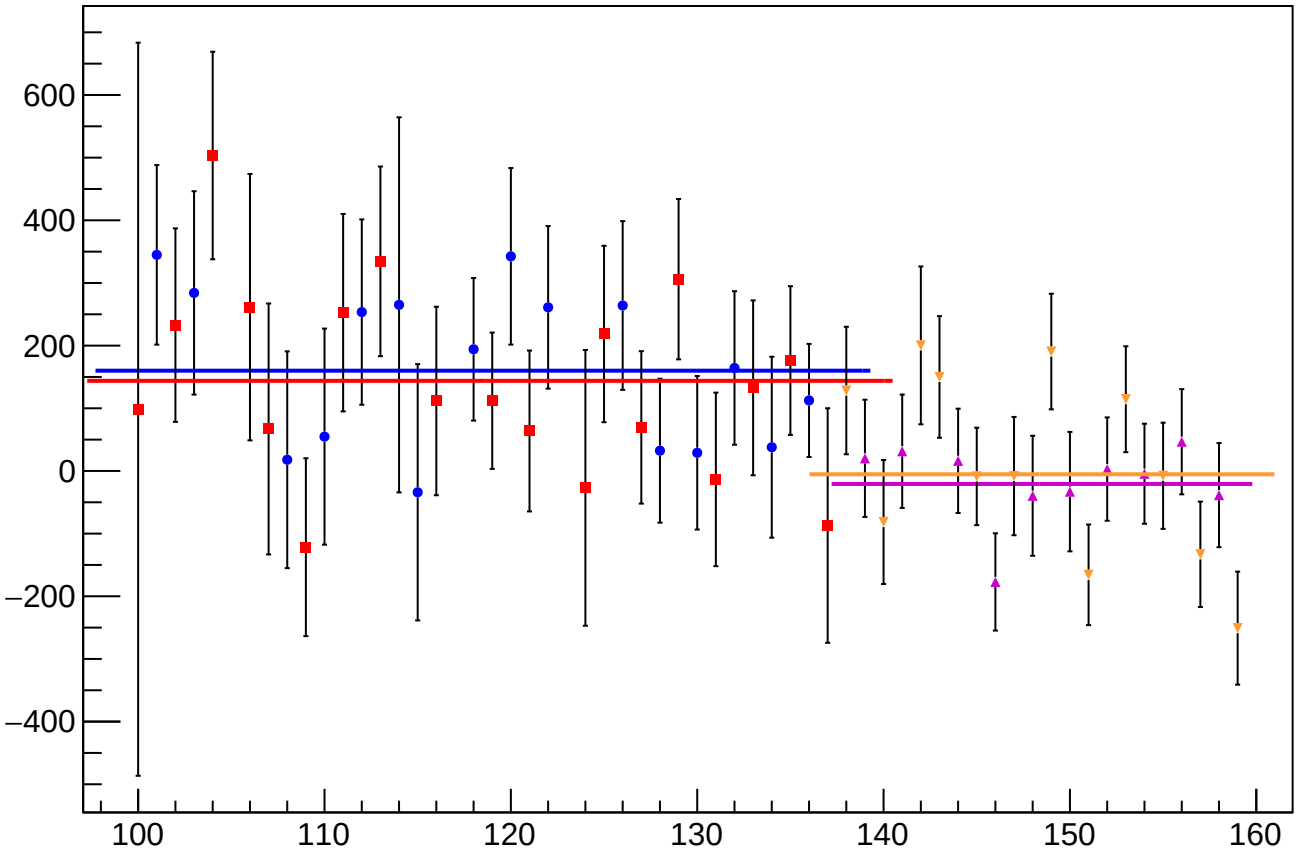
Left: 947.958+/-0.159 χ^2/NDF: 681029.9/21

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1081.133+/-0.199 χ^2/NDF:2106017.7/25

Out: 1073.349+/-0.192 χ^2/NDF:2479747.6/30

All: 1077.109+/-0.138 χ^2/NDF: 4586557.5/56



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -5.281+/-26.153 χ^2/NDF:27.8/11

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.718+/-27.151 χ^2/NDF:5.6/9

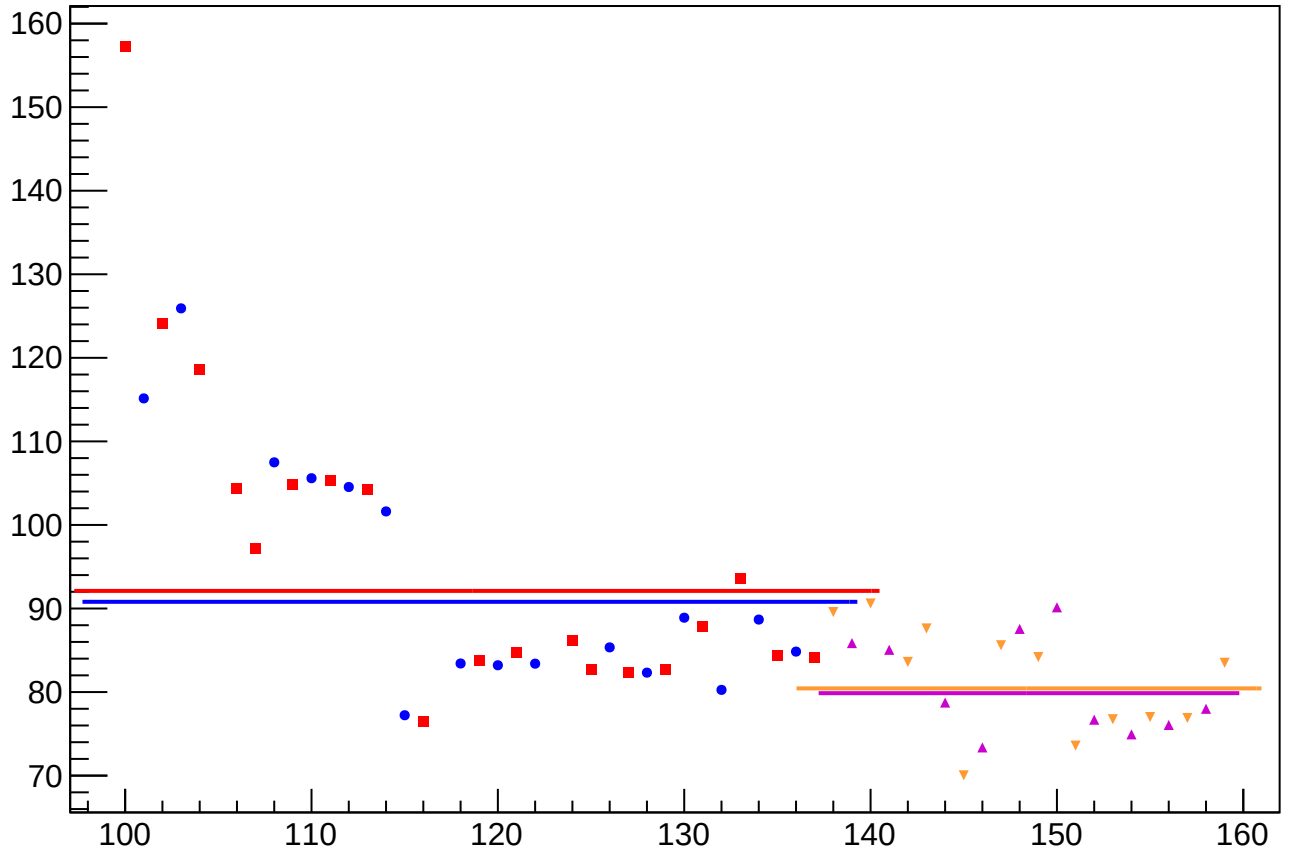
Left: -12.711+/-18.836 χ^2/NDF: 33.6/21

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 49.230+/-21.257 χ^2/NDF:33.9/25

Out: 49.721+/-20.778 χ^2/NDF:57.1/30

All: 49.481+/-14.859 χ^2/NDF: 91.0/56



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.440+/-0.018 χ^2/NDF:121996.4/11

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

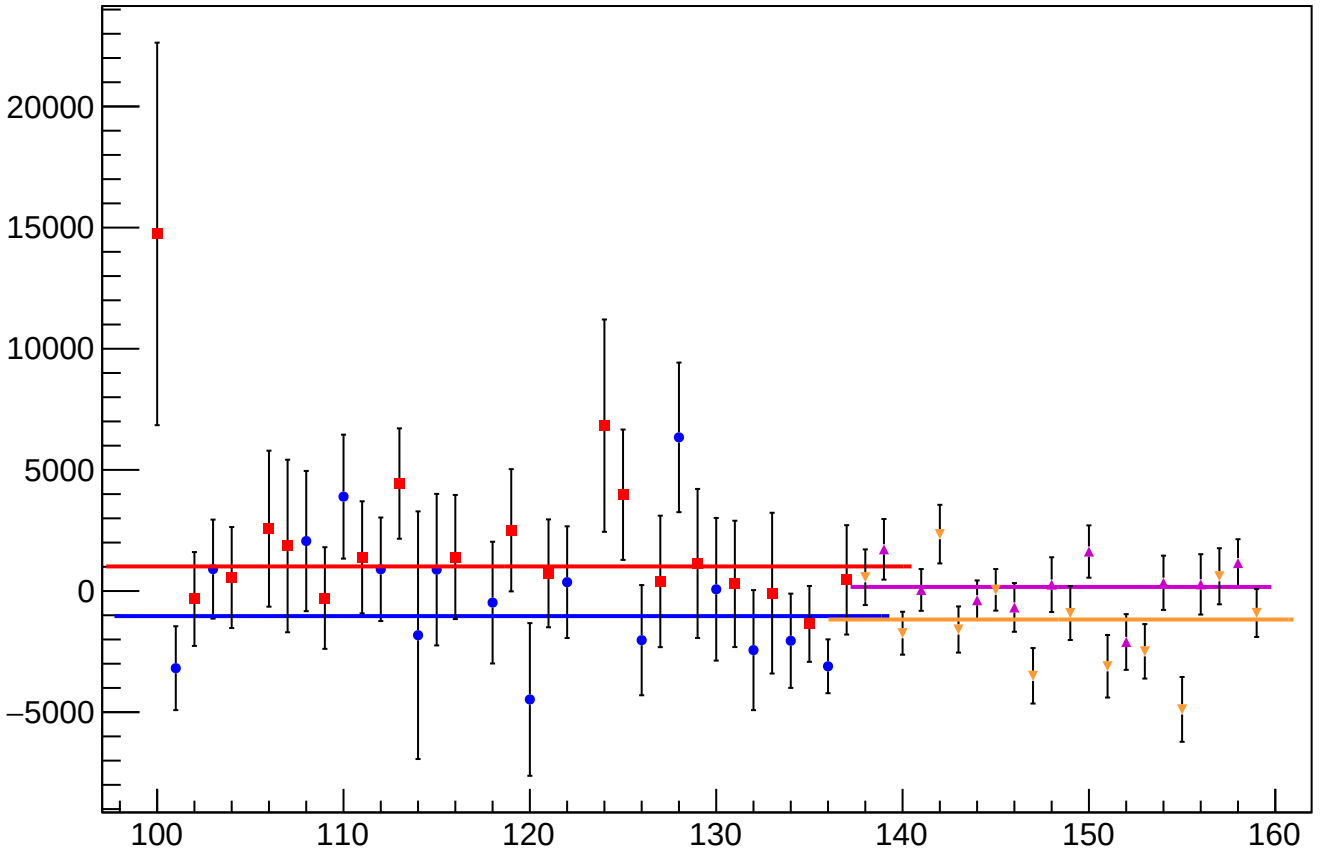
Left: 80.165+/-0.013 χ^2/NDF: 203458.9/21

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.100+/-0.015 χ^2/NDF:479276.3/25

Out: 84.743+/-0.015 χ^2/NDF:569583.1/30

All: 84.429+/-0.011 χ^2/NDF: 1049795.3/56



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1175.735+/-309.249 χ^2/NDF:31.3/11

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 168.701+/-327.199 χ^2/NDF:9.5/9

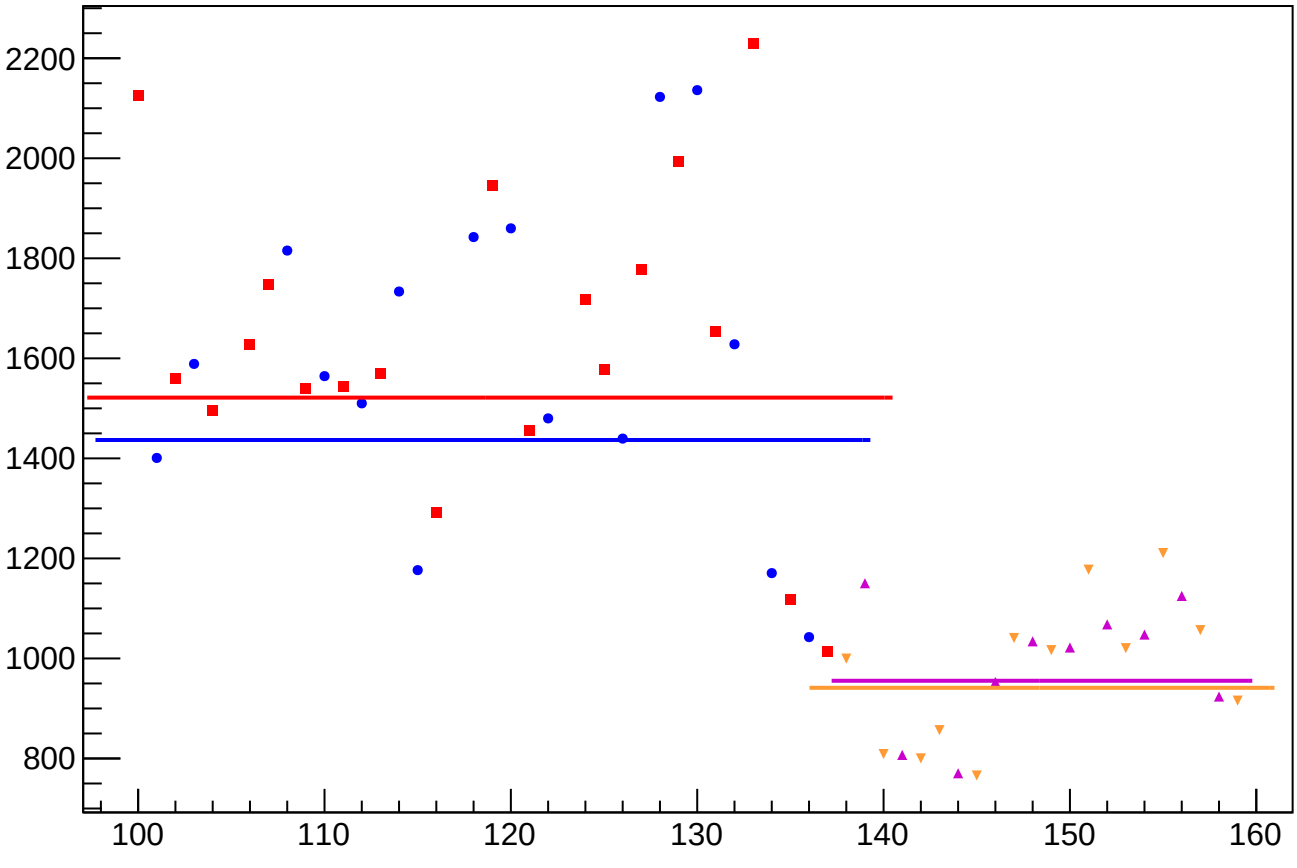
Left: -541.404+/-224.750 χ^2/NDF: 49.8/21

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -145.773+/-281.228 χ^2/NDF:33.3/25

Out: -677.140+/-271.796 χ^2/NDF:55.2/30

All: -420.517+/-195.438 χ^2/NDF: 90.4/56



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 941.332+/-0.219 χ^2/NDF:379621.7/11

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

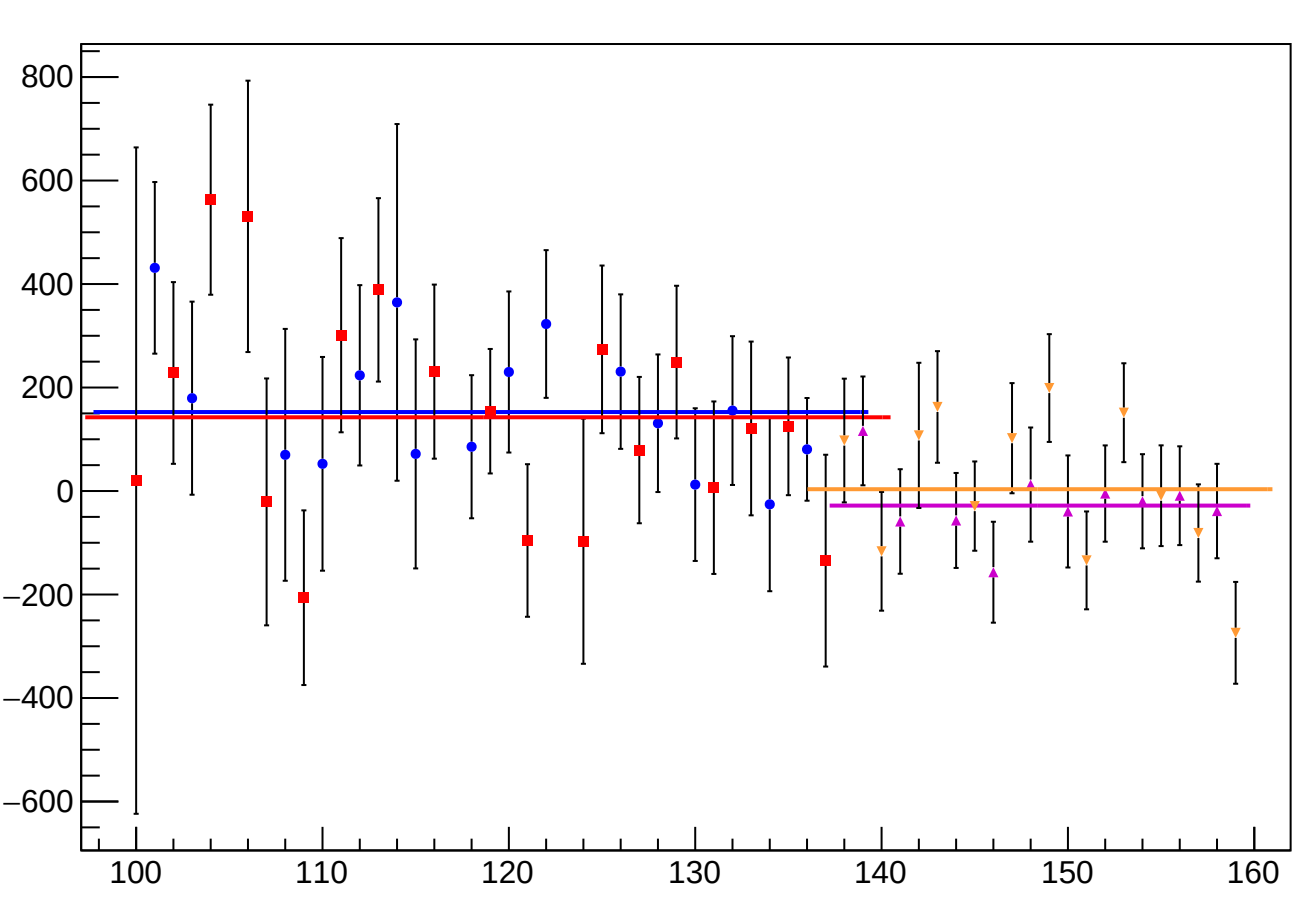
Left: 947.958+/-0.159 χ^2/NDF: 681029.9/21

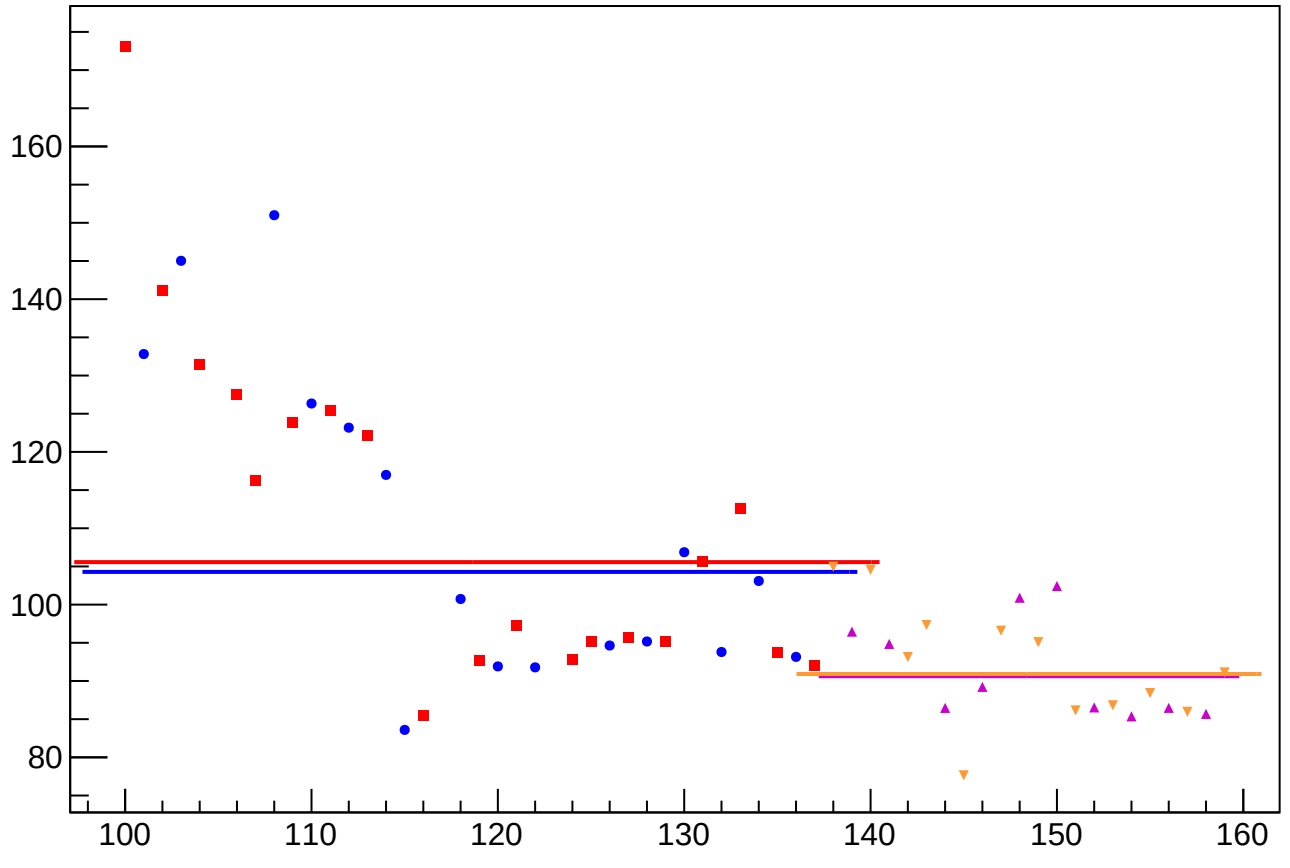
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1081.133+/-0.199 χ^2/NDF:2106017.7/25

Out: 1073.349+/-0.192 χ^2/NDF:2479747.6/30

All: 1077.109+/-0.138 χ^2/NDF: 4586557.5/56


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
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: 3.505+/-29.605 χ²/NDF:22.3/11
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -28.157+/-30.920 χ²/NDF:4.1/9
Left: -11.638+/-21.384 χ²/NDF: 26.9/21
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 40.646+/-24.335 χ²/NDF:25.7/25
Out: 53.759+/-23.655 χ²/NDF:53.1/30
All: 47.388+/-16.962 χ²/NDF: 79.0/56



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.916+/-0.021 χ^2/NDF:135381.4/11

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.627+/-0.022 χ^2/NDF:75487.0/9

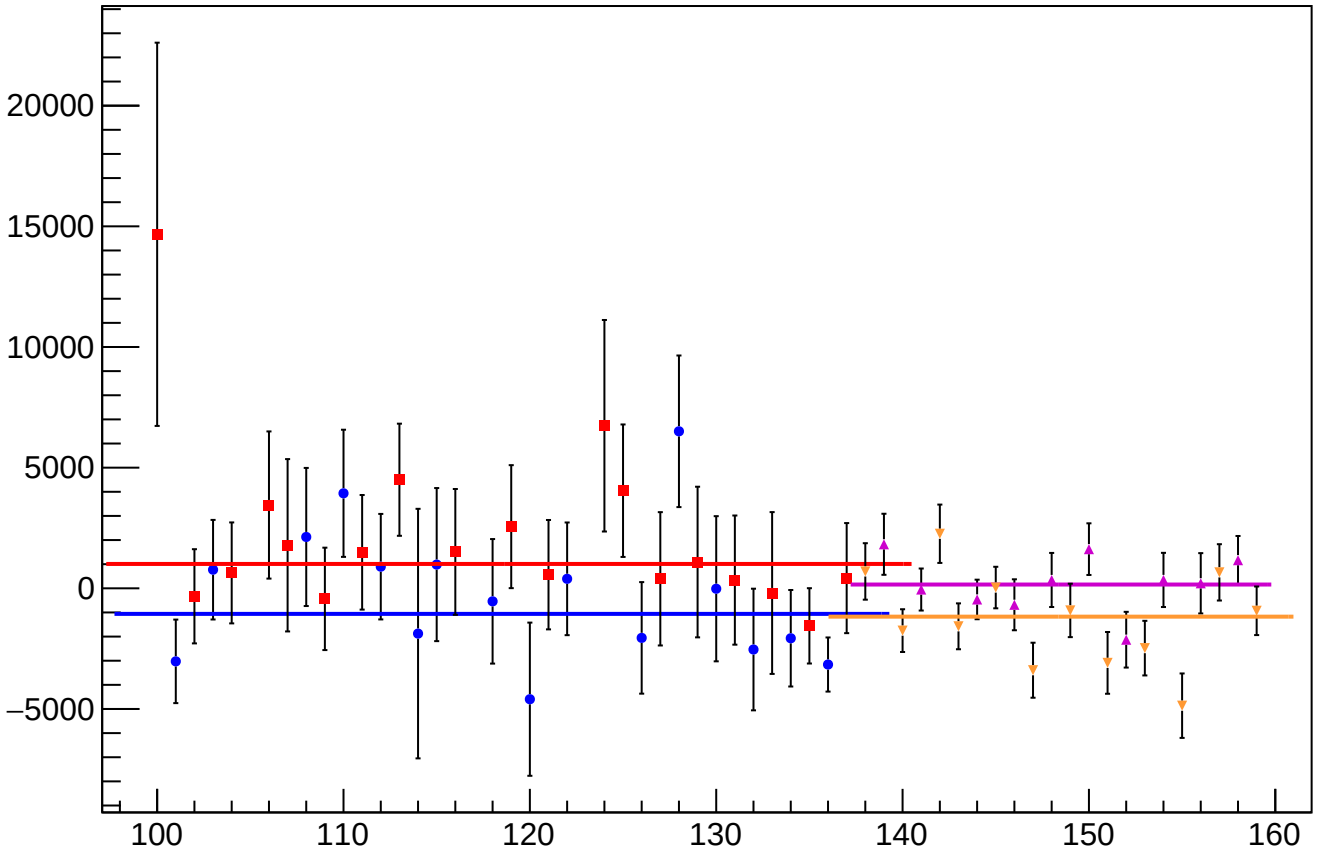
Left: 90.778+/-0.015 χ^2/NDF: 210959.8/21

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.825+/-0.017 χ^2/NDF:602349.1/25

Out: 96.214+/-0.017 χ^2/NDF:657109.9/30

All: 96.025+/-0.012 χ^2/NDF: 1259721.1/56



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1174.120+/-310.013 χ^2/NDF:30.8/11

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 156.992+/-330.106 χ^2/NDF:9.9/9

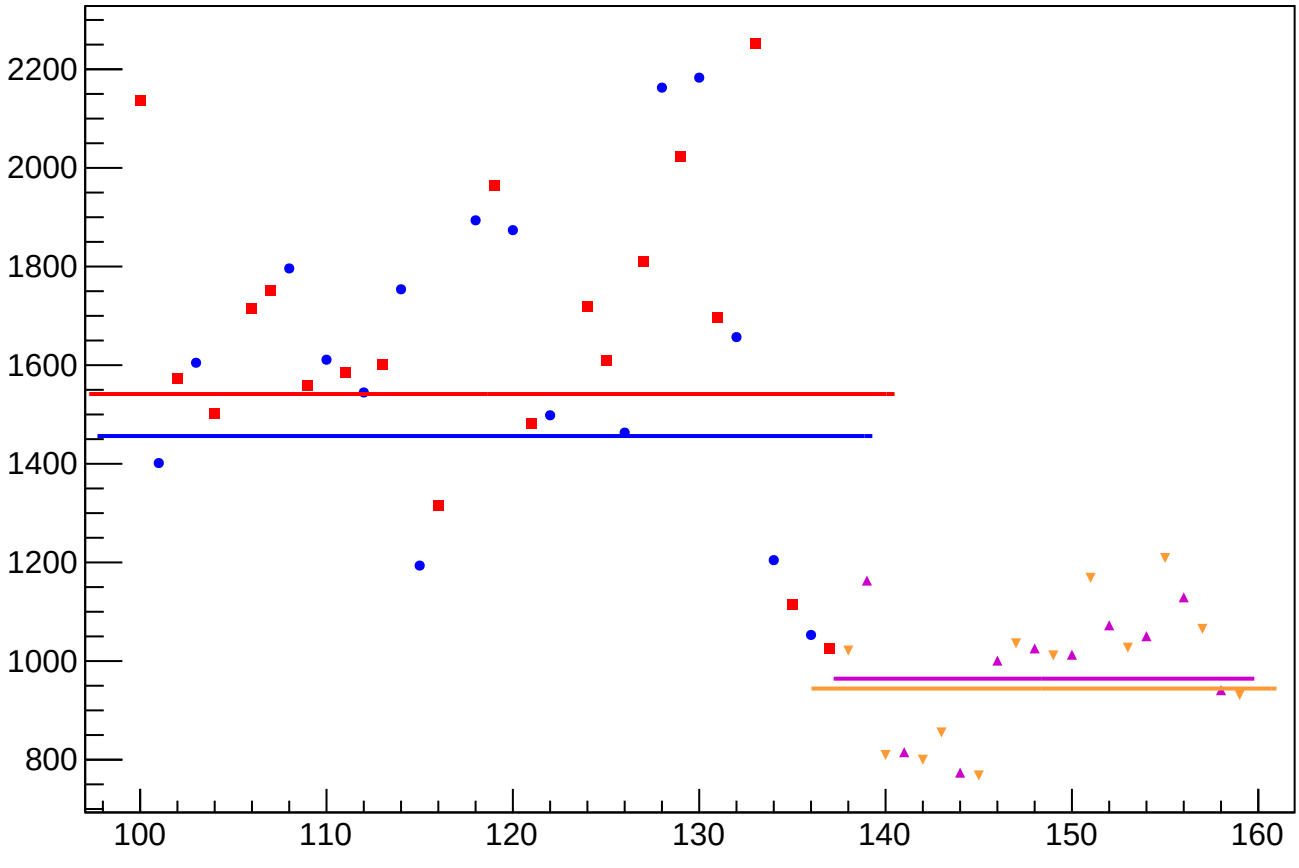
Left: -550.307+/-225.982 χ^2/NDF: 49.3/21

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -158.640+/-284.066 χ^2/NDF:33.4/25

Out: -682.370+/-272.889 χ^2/NDF:55.3/30

All: -431.011+/-196.794 χ^2/NDF: 90.5/56



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 944.307+/-0.219 χ^2/NDF:377840.8/11

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 964.345+/-0.233 χ^2/NDF:293990.5/9

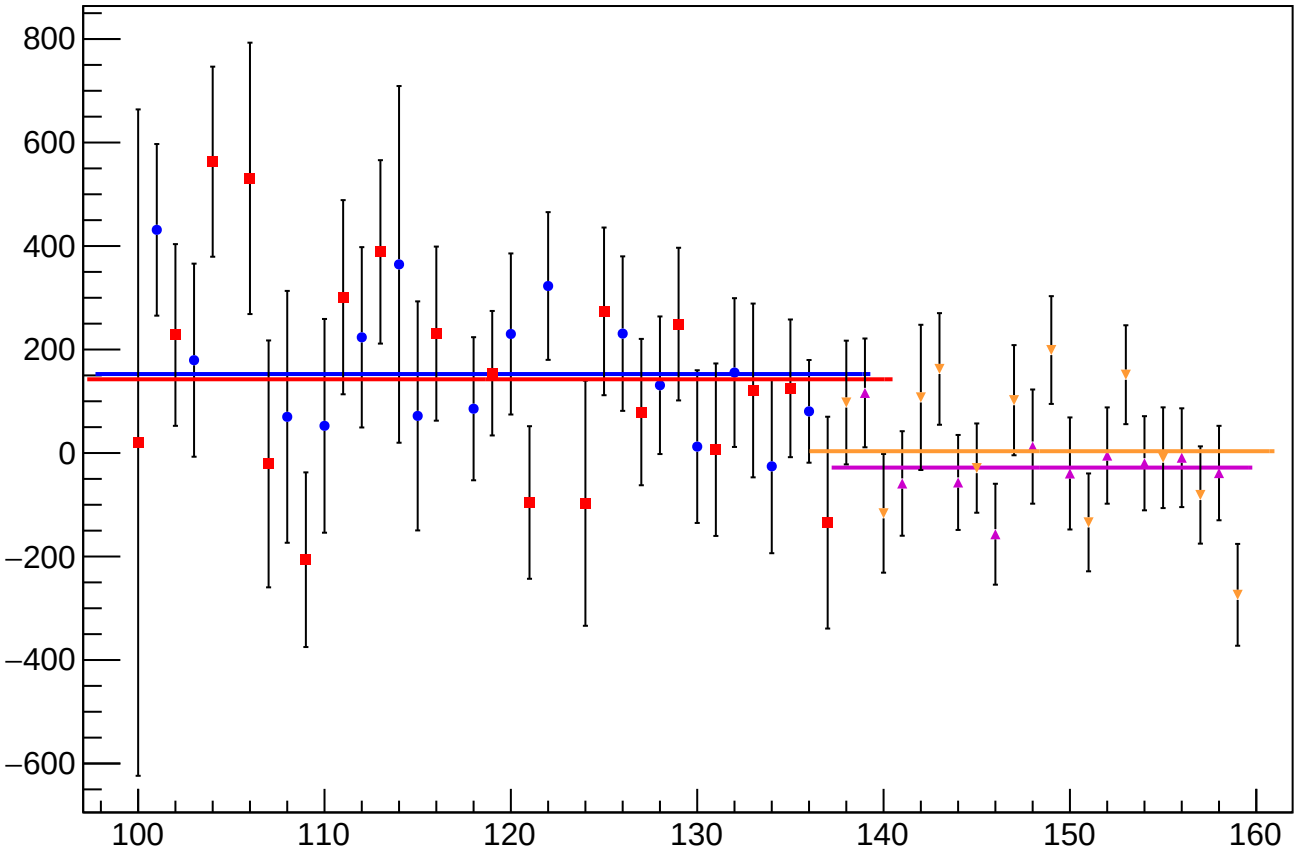
Left: 953.697+/-0.160 χ^2/NDF: 675747.1/21

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1092.004+/-0.201 χ^2/NDF:2131457.9/25

Out: 1078.774+/-0.193 χ^2/NDF:2568341.7/30

All: 1085.124+/-0.139 χ^2/NDF: 4702055.5/56



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 3.506+/-29.605 χ^2/NDF:22.3/11

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -28.157+/-30.920 χ^2/NDF:4.1/9

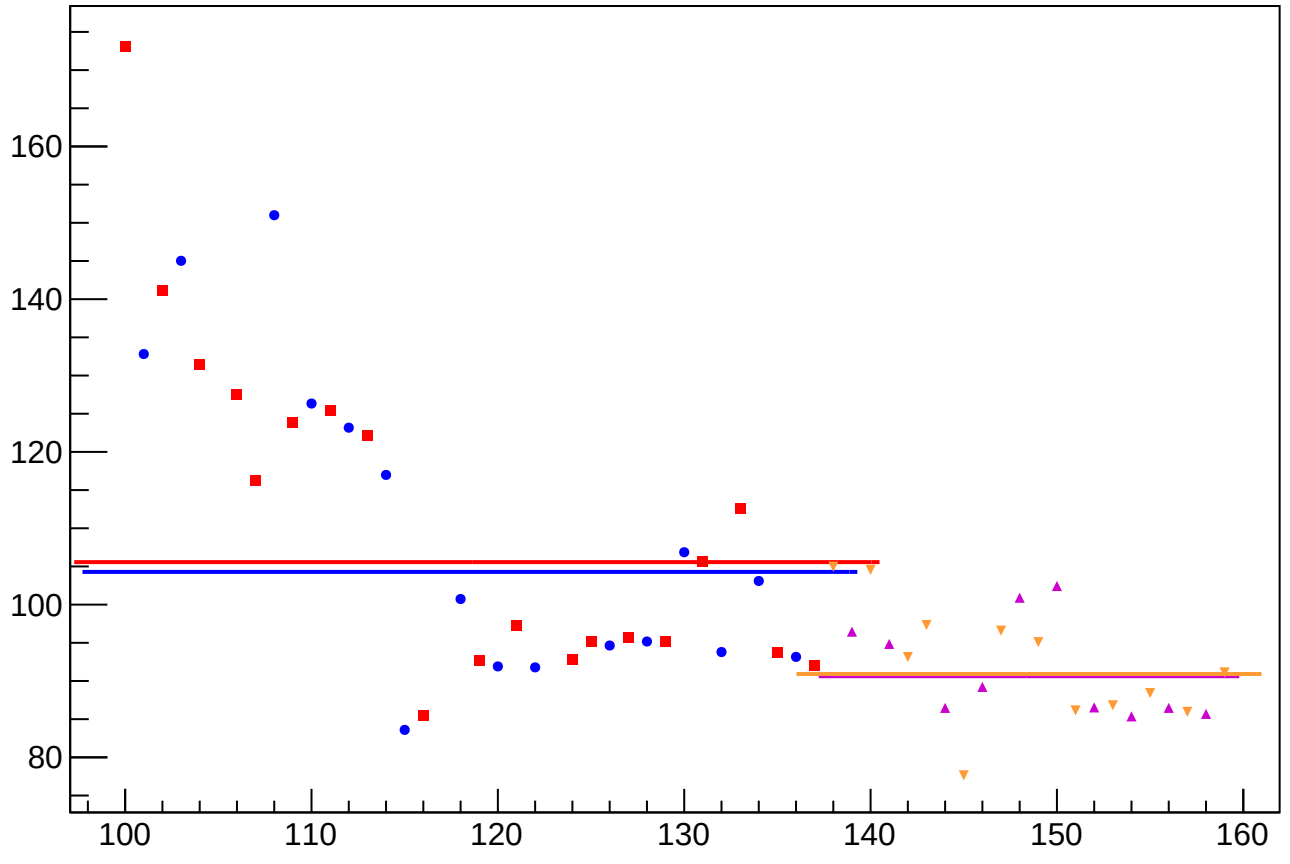
Left: -11.638+/-21.384 χ^2/NDF: 26.9/21

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 40.647+/-24.335 χ^2/NDF:25.7/25

Out: 53.759+/-23.655 χ^2/NDF:53.1/30

All: 47.389+/-16.962 χ^2/NDF: 79.0/56



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.916+/-0.021 χ^2/NDF:135377.2/11

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.627+/-0.022 χ^2/NDF:75485.1/9

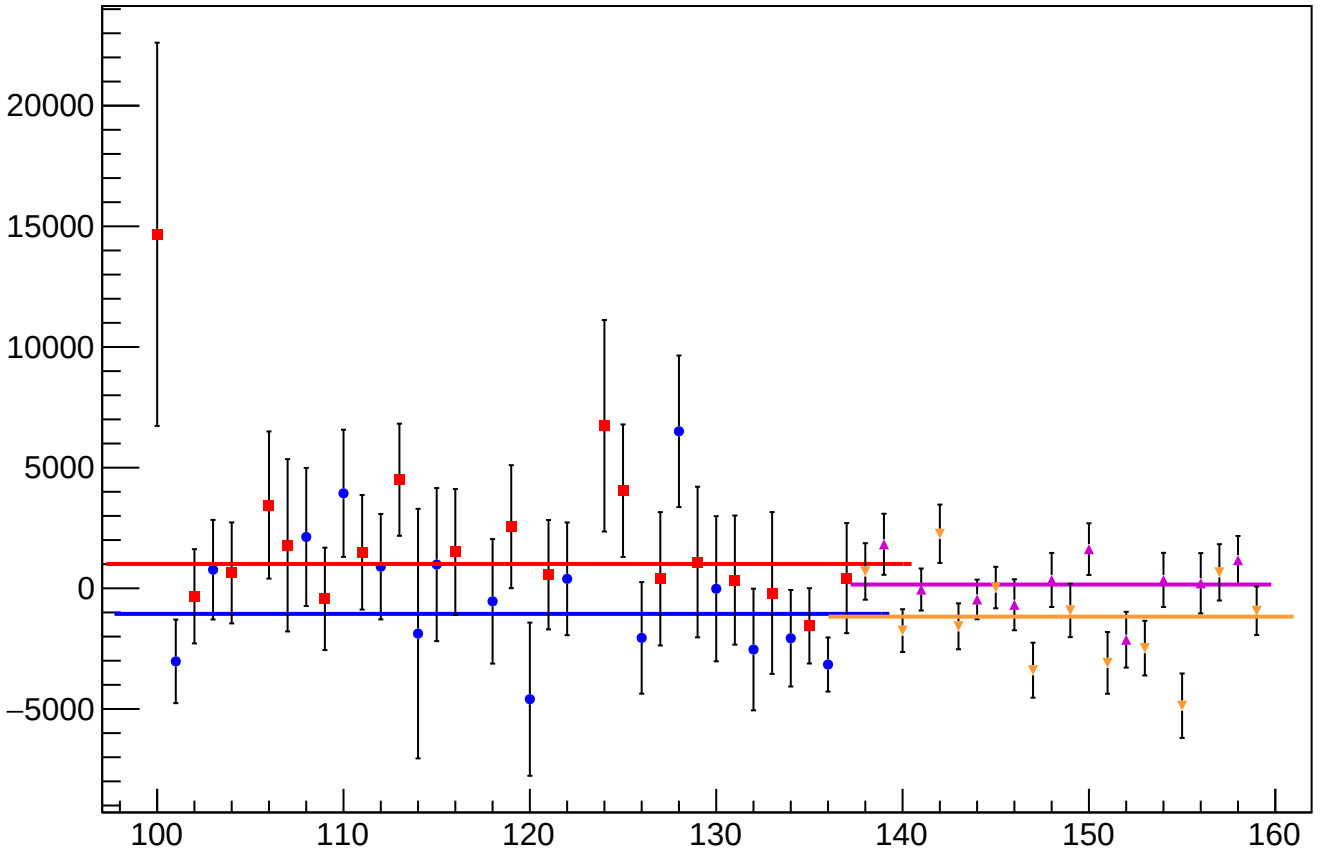
Left: 90.778+/-0.015 χ^2/NDF: 210953.8/21

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.825+/-0.017 χ^2/NDF:602328.3/25

Out: 96.214+/-0.017 χ^2/NDF:657085.2/30

All: 96.025+/-0.012 χ^2/NDF: 1259675.9/56



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1174.119+/-310.013 χ^2/NDF:30.8/11

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 156.992+/-330.106 χ^2/NDF:9.9/9

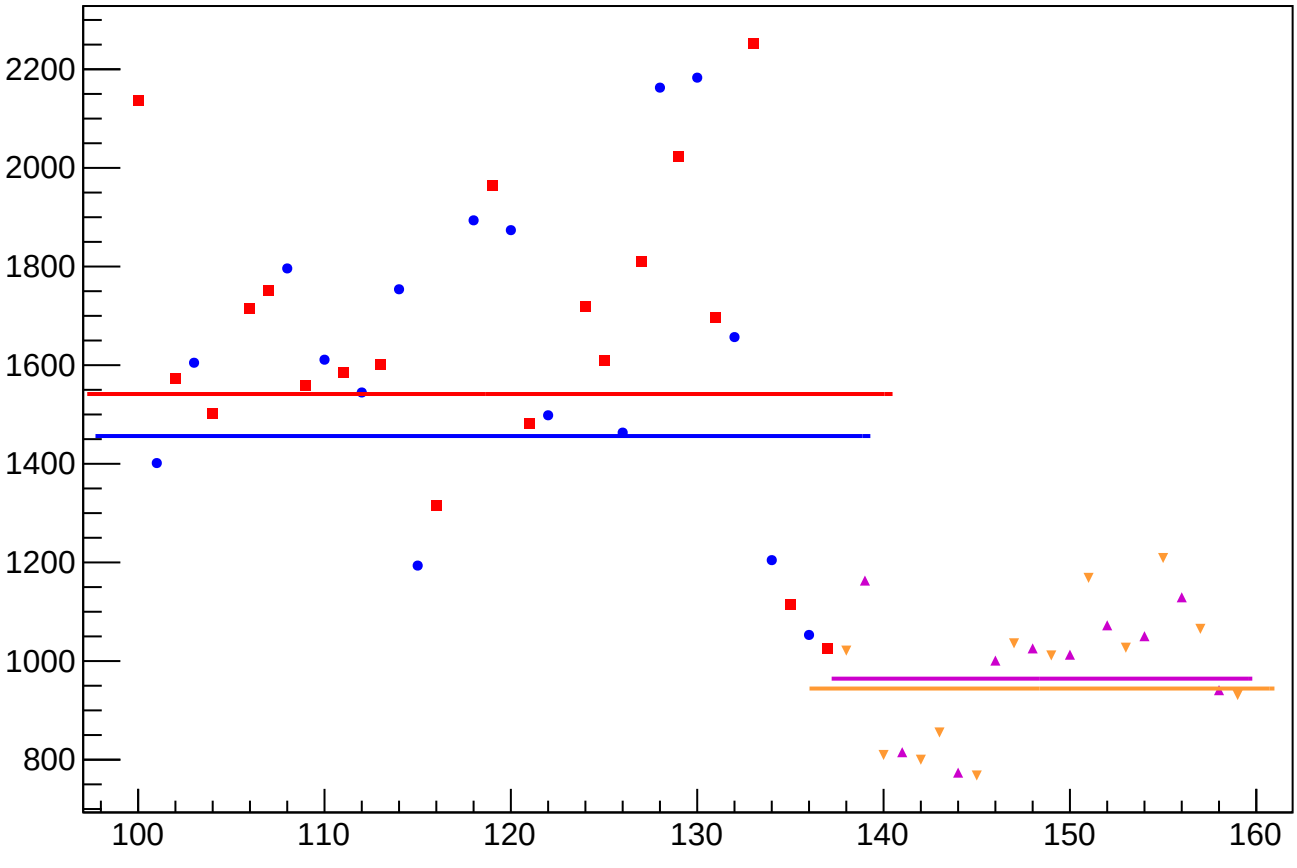
Left: -550.306+/-225.982 χ^2/NDF: 49.3/21

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -158.640+/-284.066 χ^2/NDF:33.4/25

Out: -682.369+/-272.889 χ^2/NDF:55.3/30

All: -431.010+/-196.794 χ^2/NDF: 90.5/56



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 944.306+/-0.219 χ^2/NDF:377843.9/11

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 964.344+/-0.233 χ^2/NDF:293991.5/9

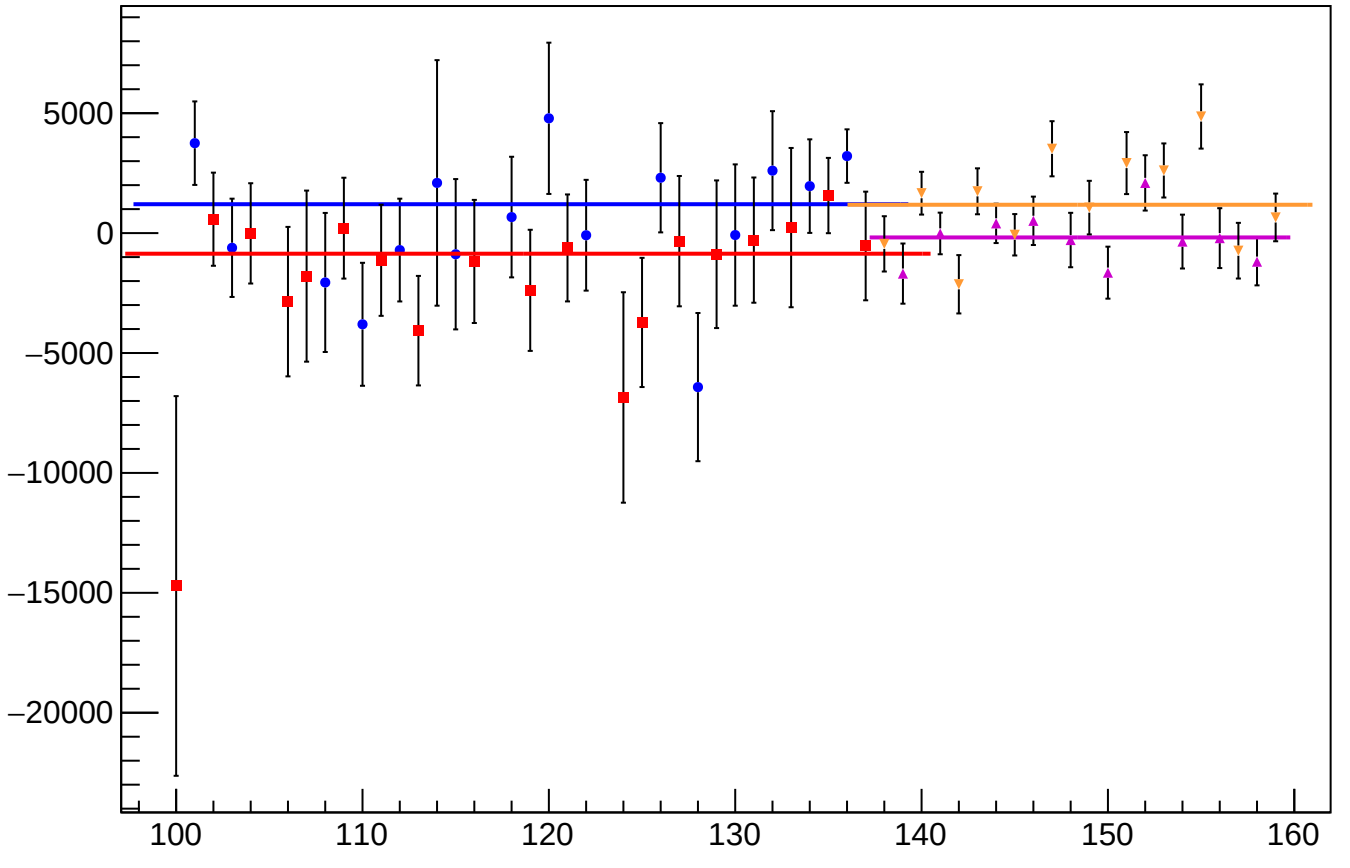
Left: 953.696+/-0.160 χ^2/NDF: 675751.3/21

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1092.003+/-0.201 χ^2/NDF:2131451.3/25

Out: 1078.773+/-0.193 χ^2/NDF:2568339.7/30

All: 1085.123+/-0.139 χ^2/NDF: 4702047.0/56



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1181.815+/-310.534 χ^2/NDF:30.3/11

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -180.857+/-328.465 χ^2/NDF:9.3/9

Left: 538.686+/-225.654 χ^2/NDF: 48.6/21

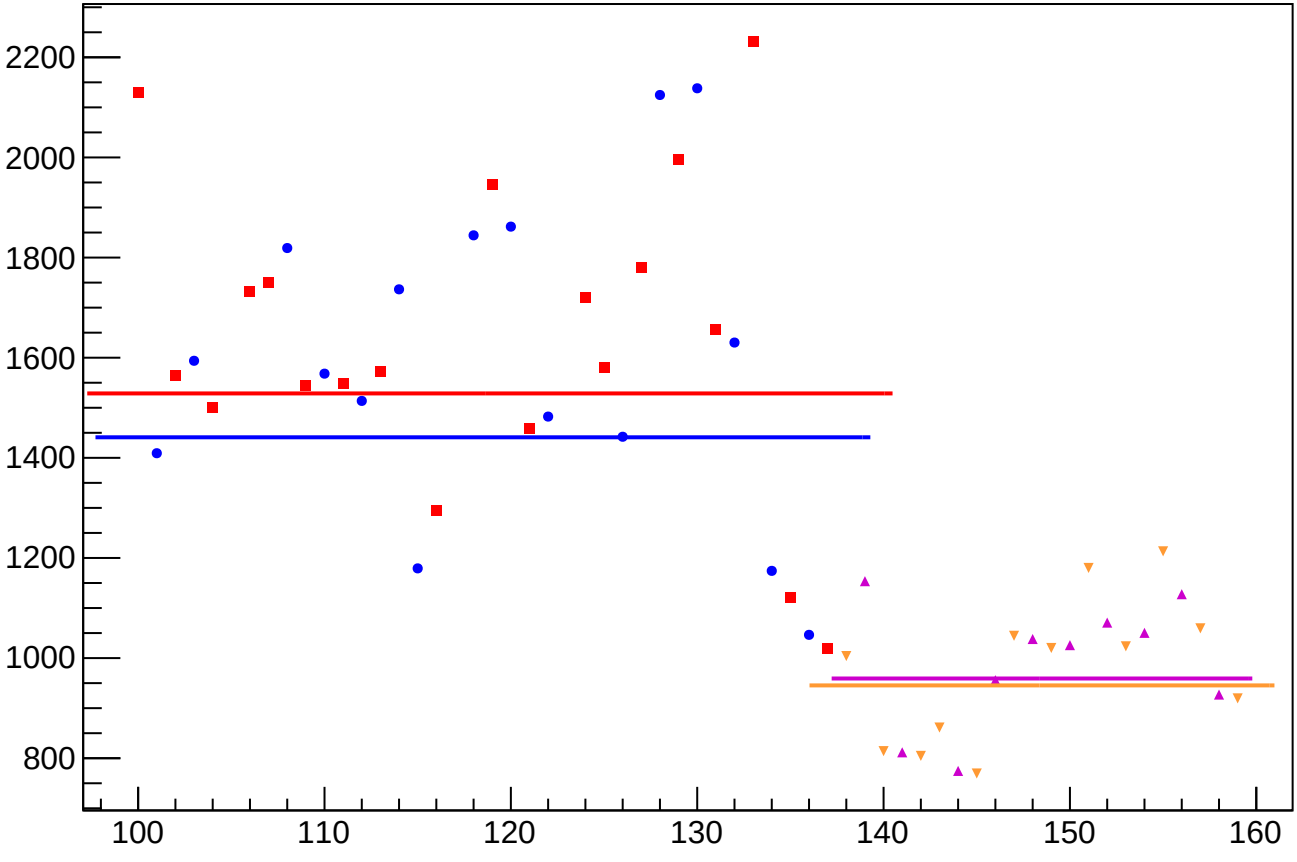
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 181.714+/-282.235 χ^2/NDF:35.1/25

Out: 715.155+/-272.735 χ^2/NDF:52.6/30

All: 457.564+/-196.125 χ^2/NDF: 89.6/56

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 945.458+/-0.220 χ^2/NDF:373555.0/11

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 959.242+/-0.232 χ^2/NDF:294570.2/9

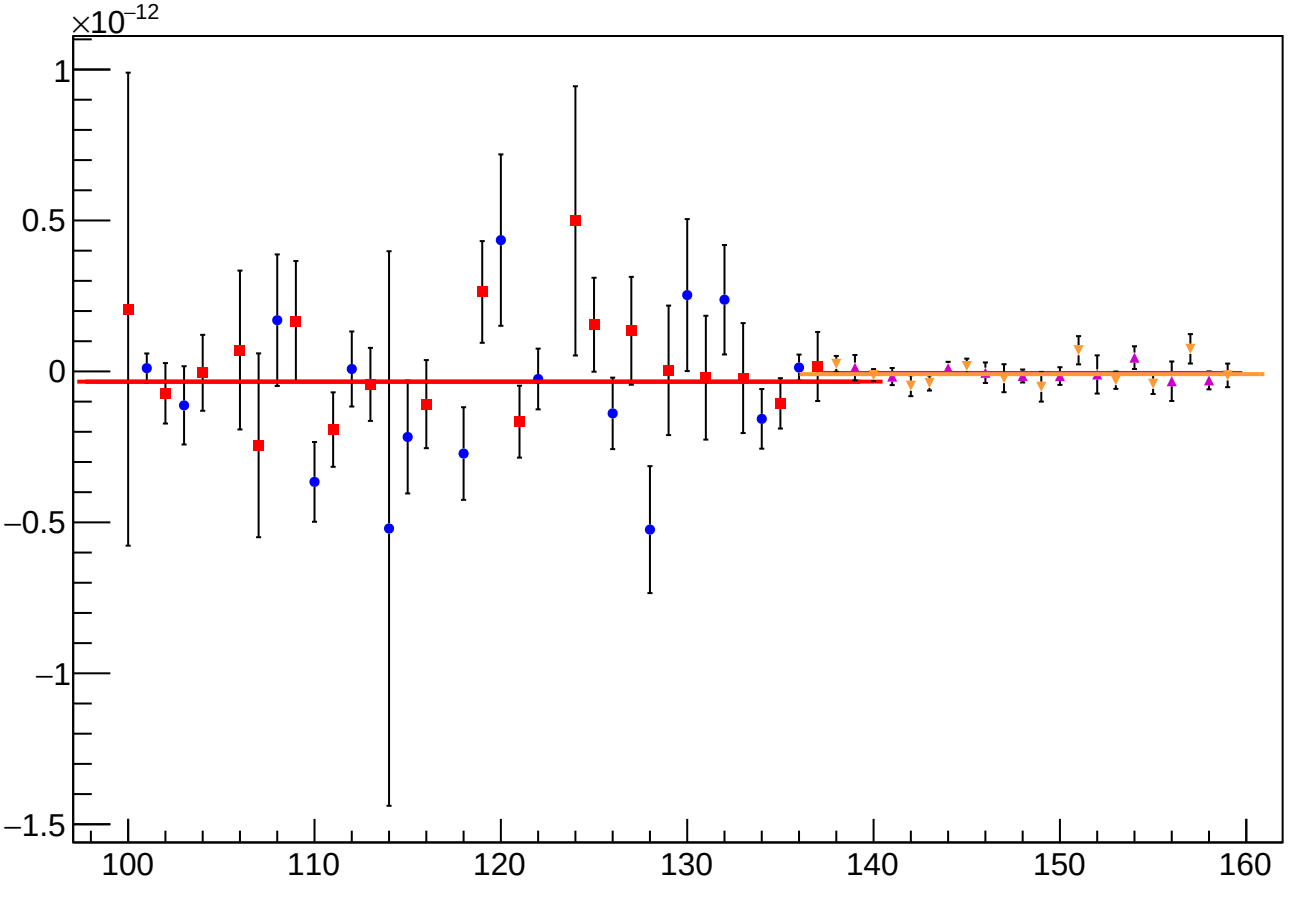
Left: 951.964+/-0.160 χ^2/NDF: 669985.1/21

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1085.315+/-0.200 χ^2/NDF:2091210.5/25

Out: 1078.794+/-0.193 χ^2/NDF:2488040.7/30

All: 1081.943+/-0.139 χ^2/NDF: 4579803.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/9

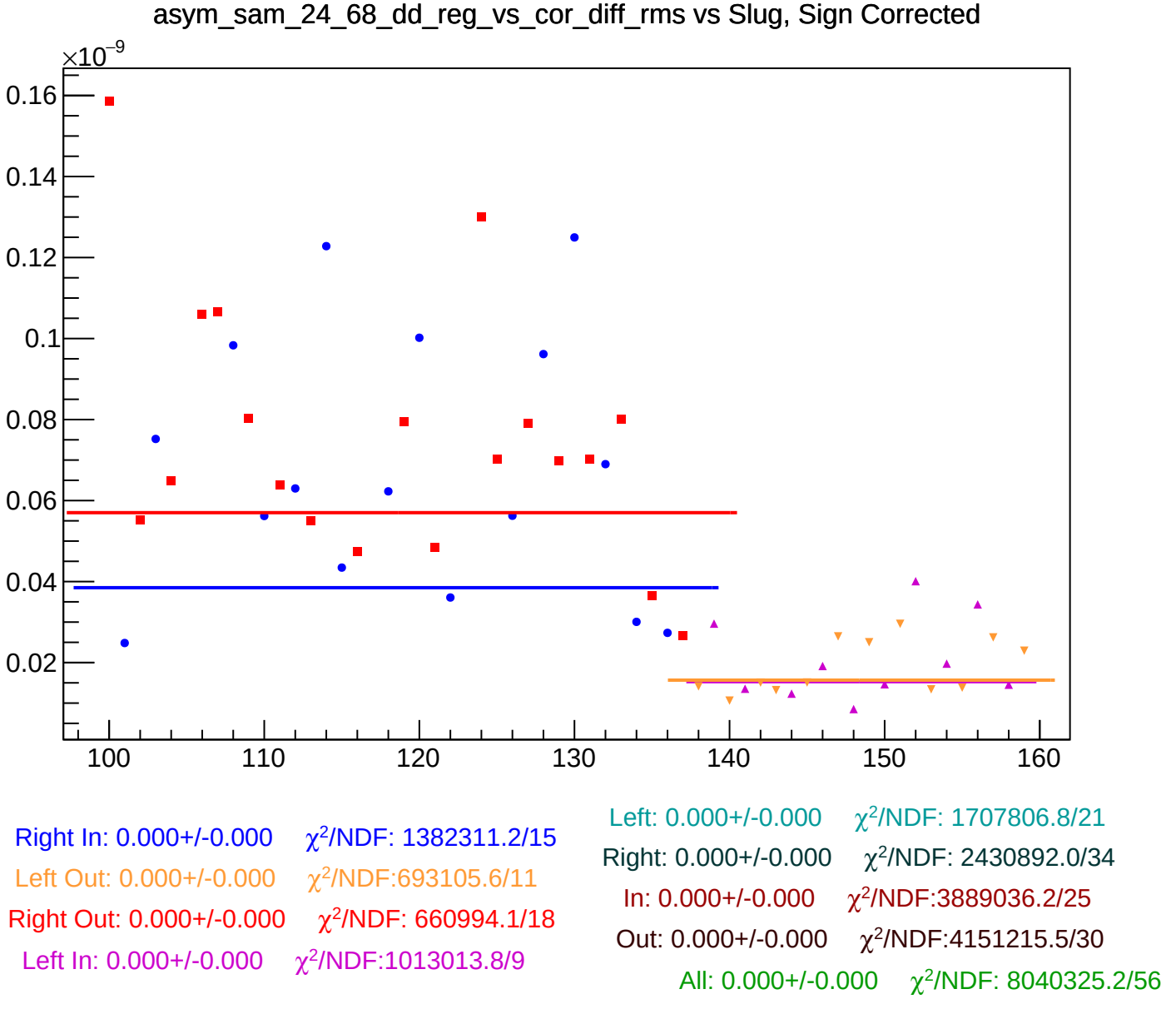
Left: -0.000+/-0.000 χ^2/NDF: 17.6/21

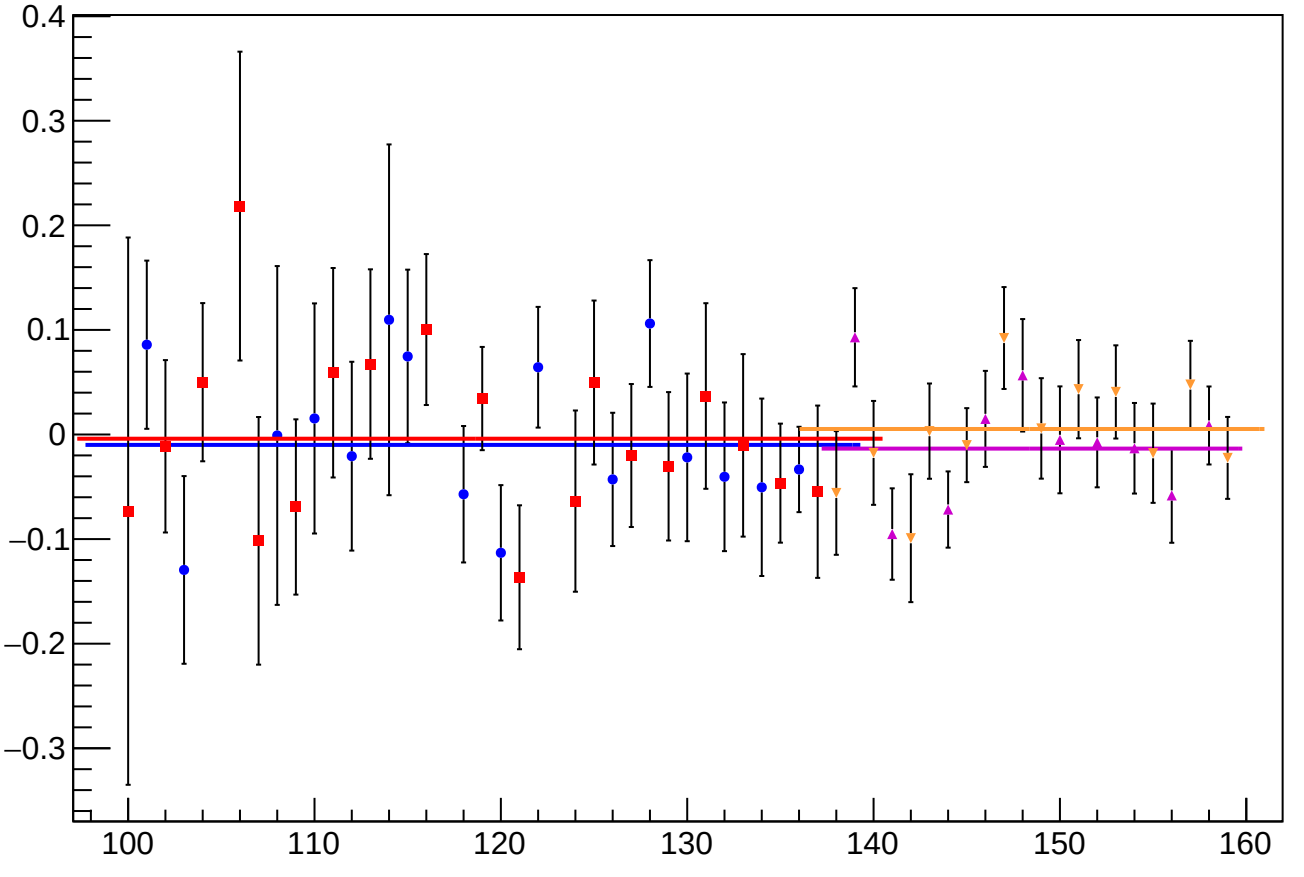
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:32.5/25

Out: -0.000+/-0.000 χ^2/NDF:27.0/30

All: -0.000+/-0.000 χ^2/NDF: 59.6/56


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
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:693105.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1013013.8/9
Left: 0.000+/-0.000 χ²/NDF: 1707806.8/21
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:3889036.2/25
Out: 0.000+/-0.000 χ²/NDF:4151215.5/30
All: 0.000+/-0.000 χ²/NDF: 8040325.2/56



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

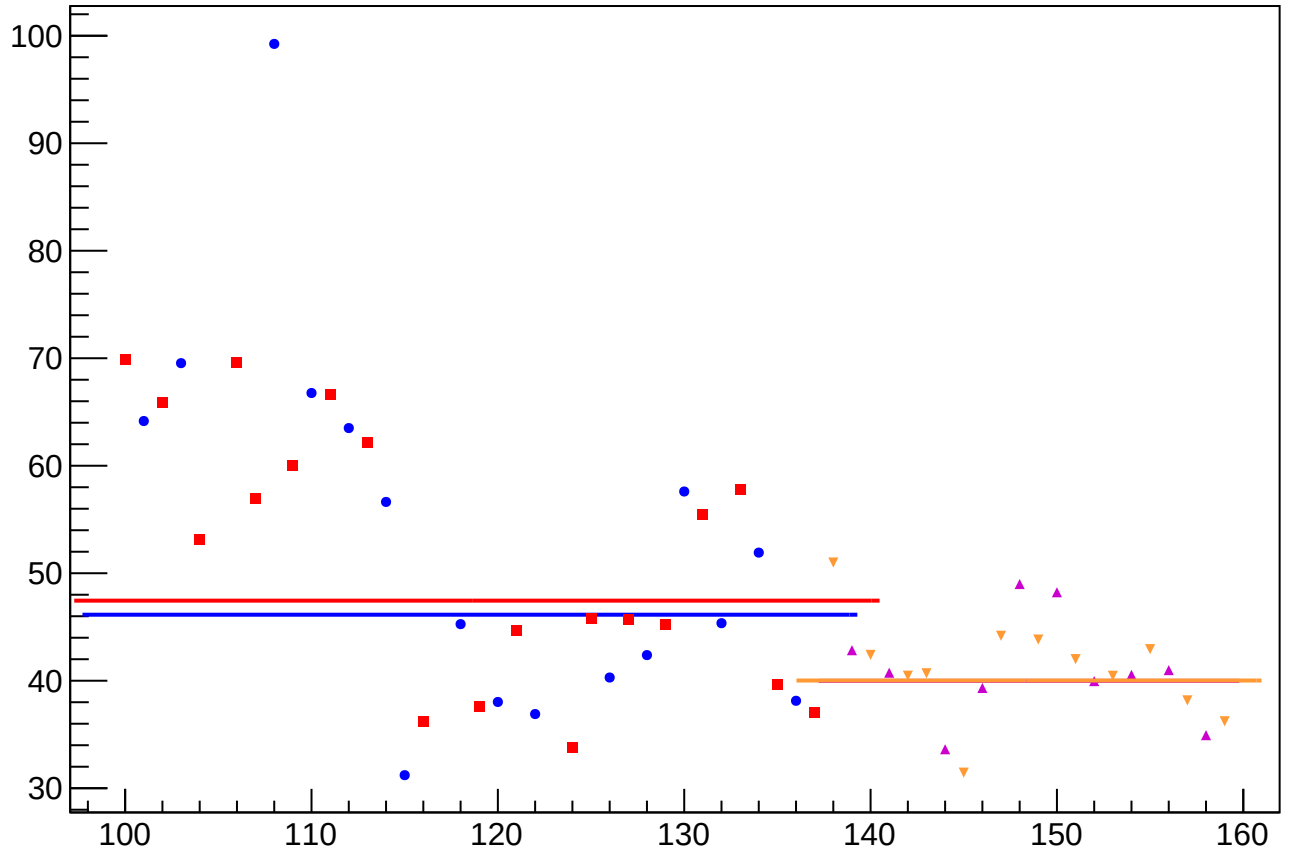
Left: -0.004+/-0.010 χ^2/NDF: 26.2/21

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.005+/-0.008 χ^2/NDF: 54.4/56



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.020+/-0.009 χ^2/NDF:252635.1/11

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

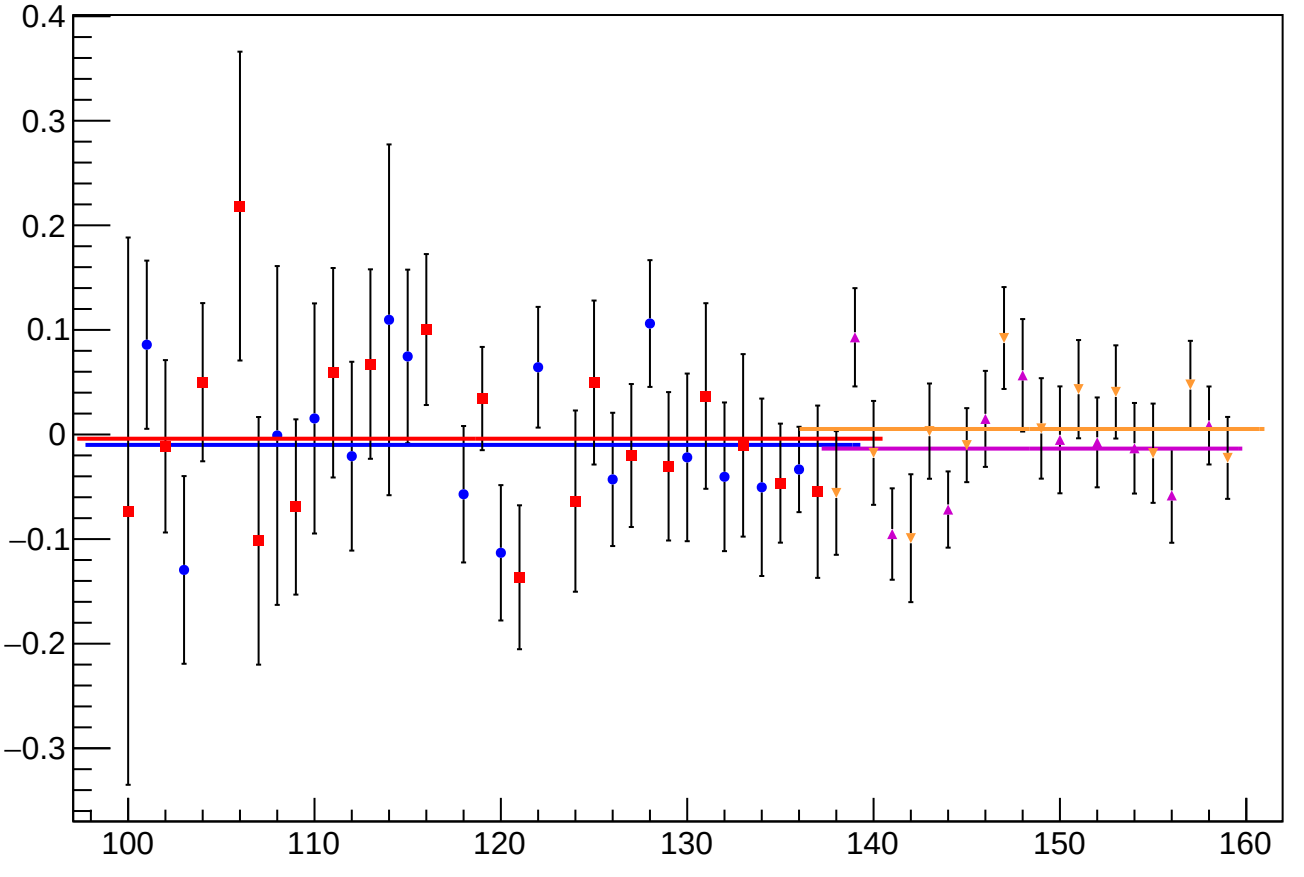
Left: 40.004+/-0.007 χ^2/NDF: 468136.5/21

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.277+/-0.008 χ^2/NDF:1265693.7/25

Out: 42.606+/-0.008 χ^2/NDF:1127202.5/30

All: 42.446+/-0.005 χ^2/NDF: 2393821.8/56



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

Left: -0.004+/-0.010 χ^2/NDF: 26.2/21

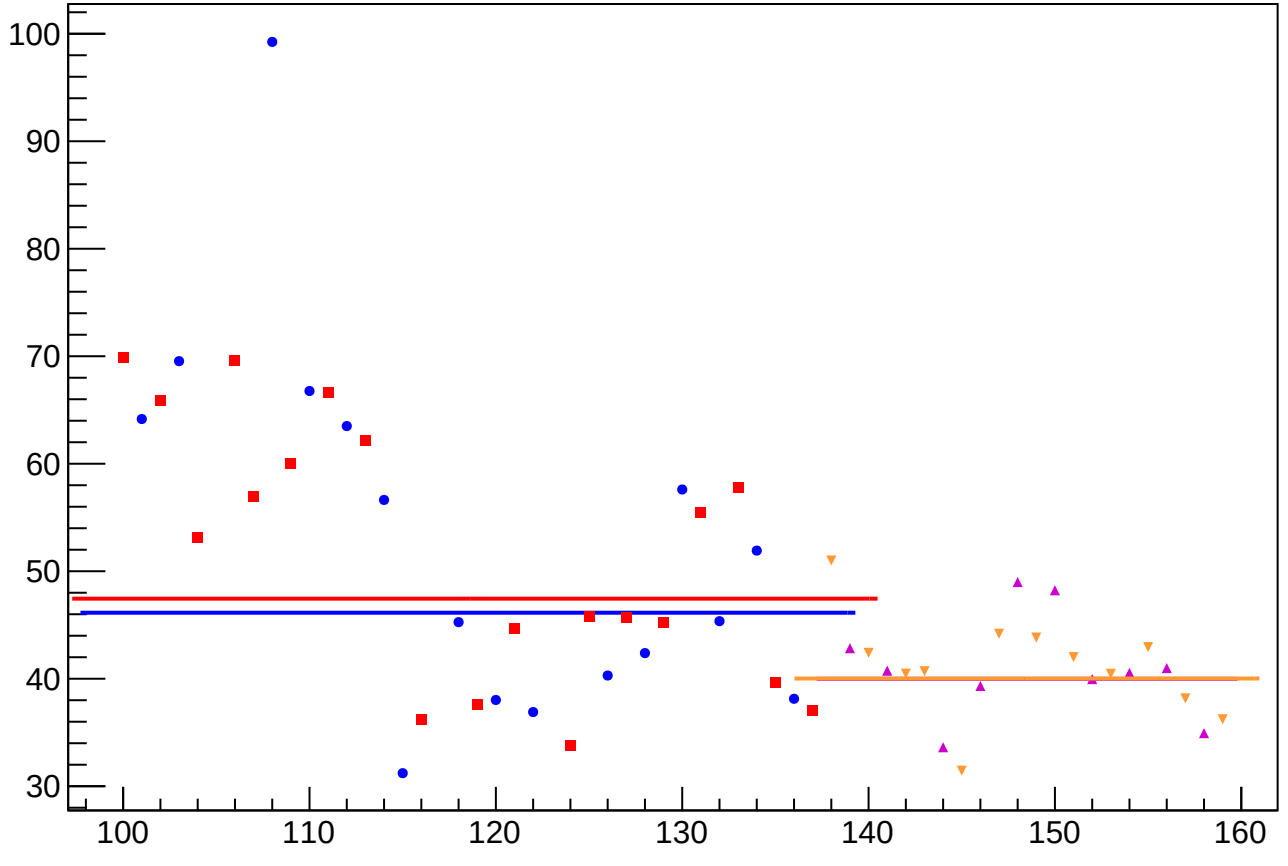
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.005+/-0.008 χ^2/NDF: 54.4/56

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.020+/-0.009 χ^2/NDF:252635.1/11

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

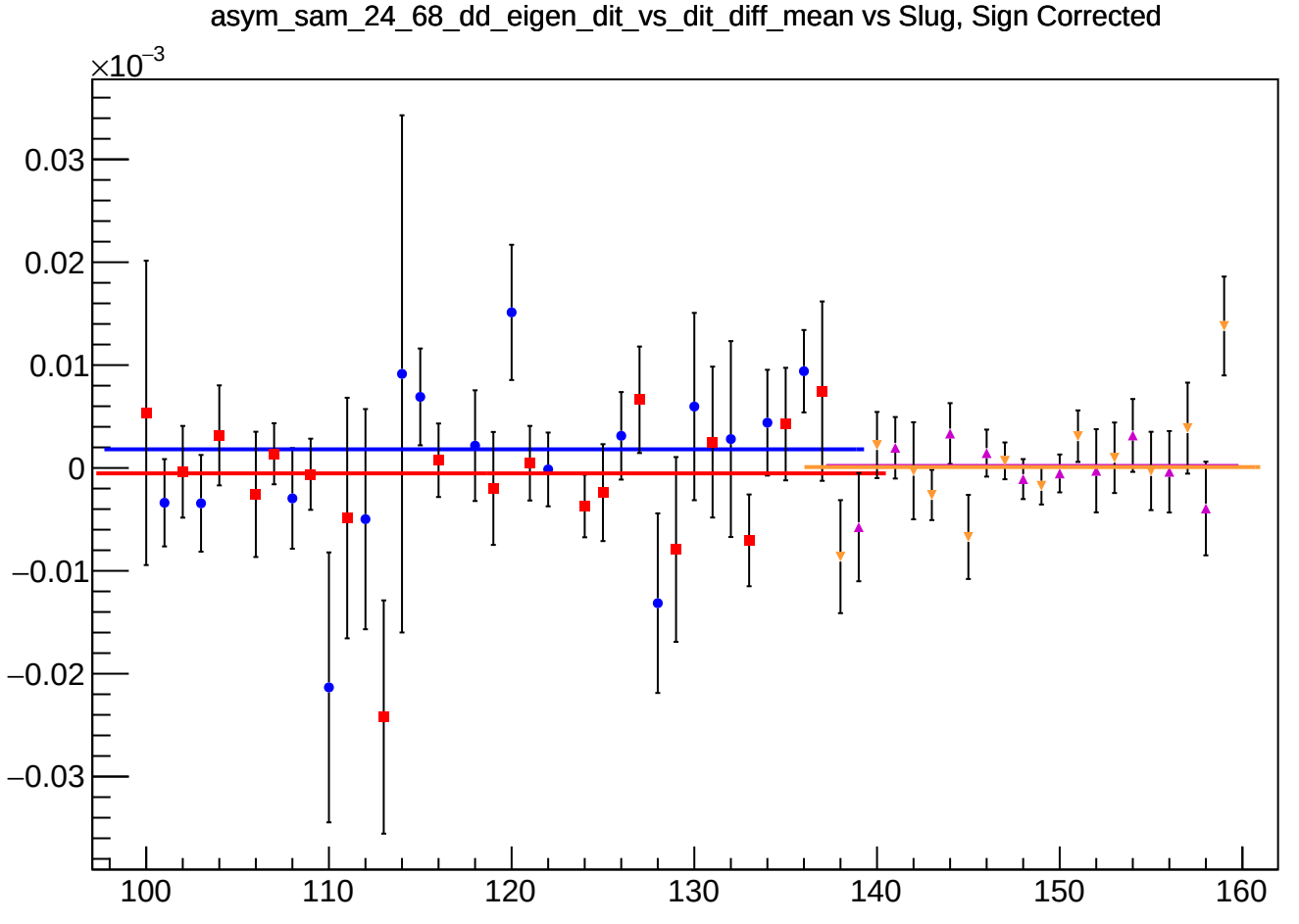
Left: 40.004+/-0.007 χ^2/NDF: 468136.5/21

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.277+/-0.008 χ^2/NDF:1265693.7/25

Out: 42.606+/-0.008 χ^2/NDF:1127202.5/30

All: 42.446+/-0.005 χ^2/NDF: 2393821.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

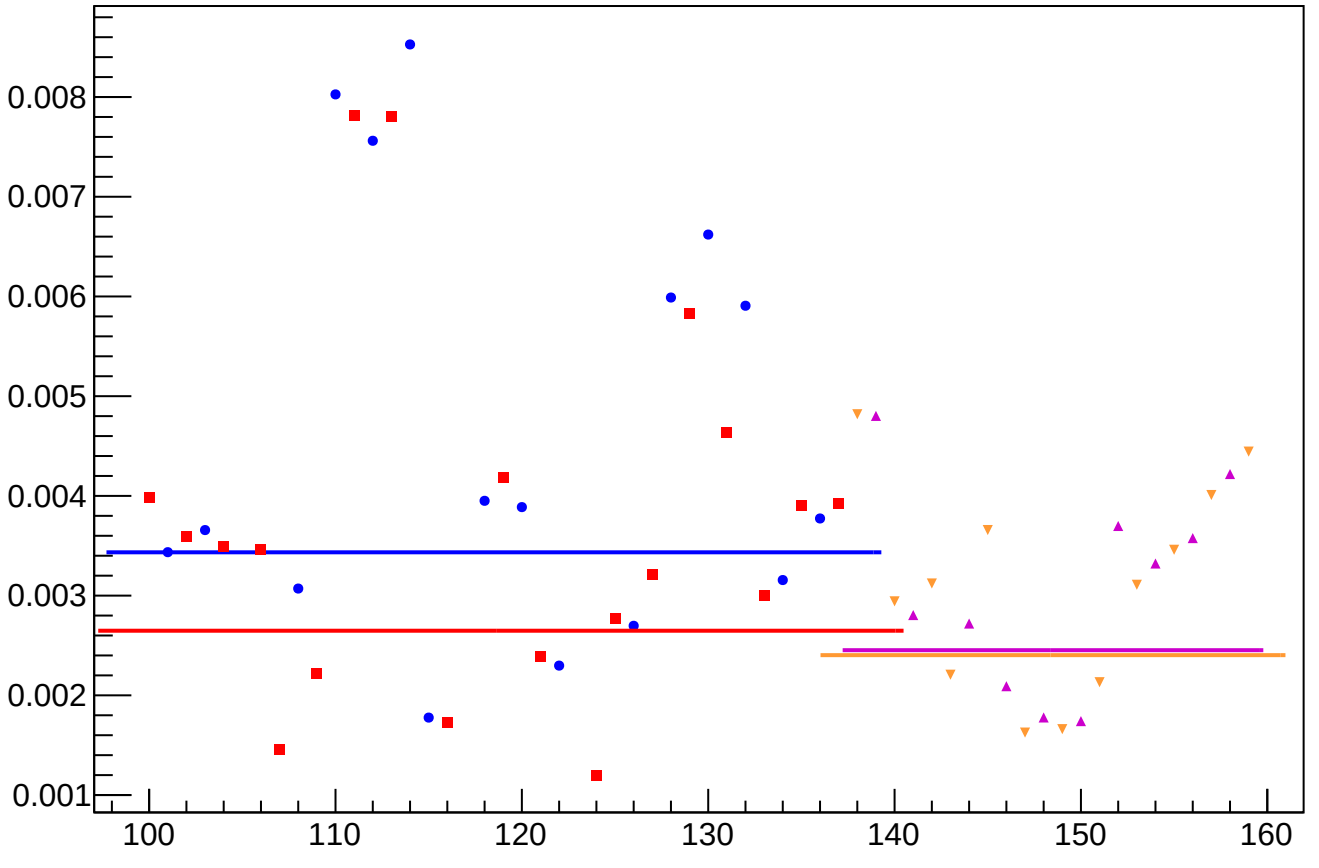
Left: 0.000+/-0.000 χ^2/NDF: 23.7/21

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:26.2/25

Out: -0.000+/-0.000 χ^2/NDF:32.4/30

All: 0.000+/-0.000 χ^2/NDF: 59.3/56



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2287913.4/11

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1805714.0/9

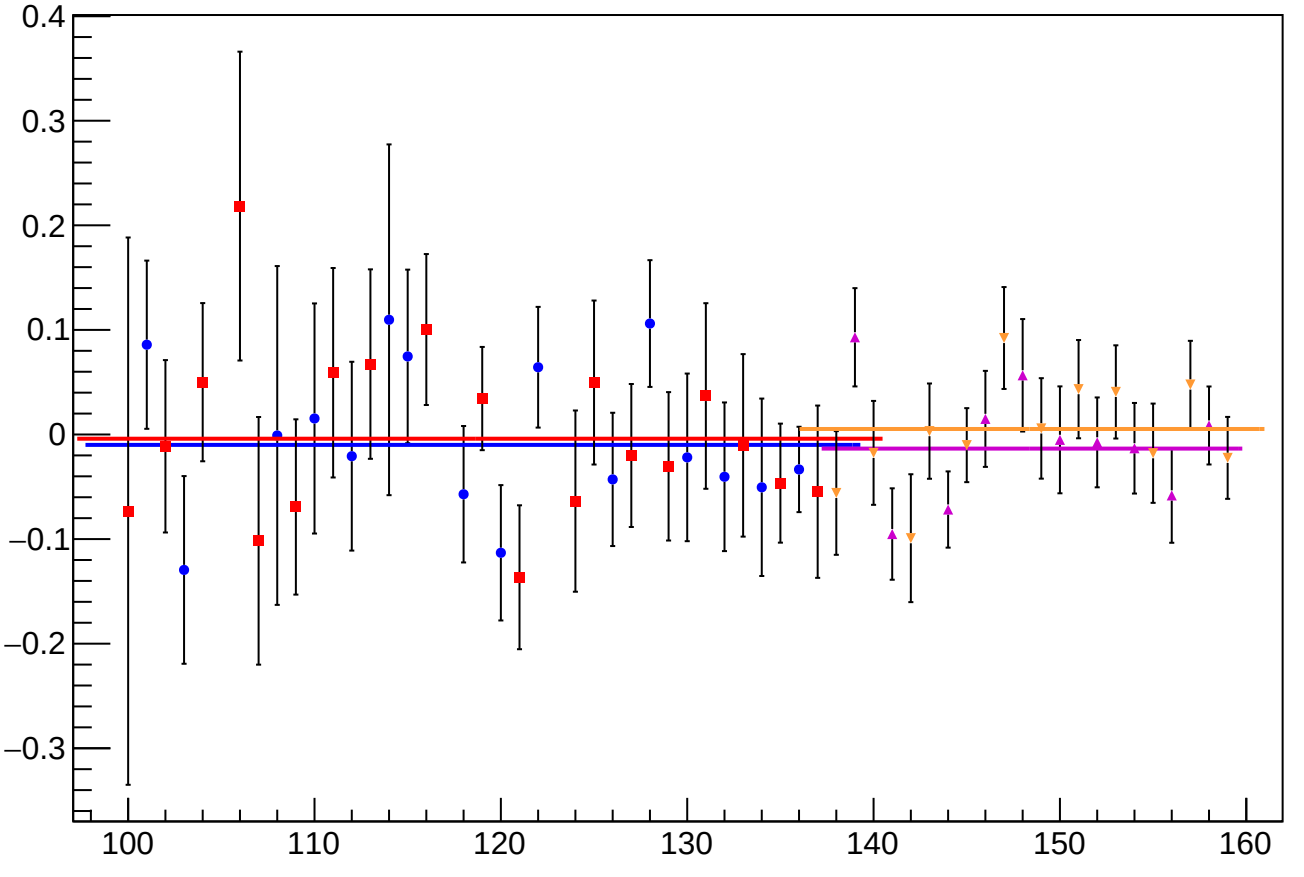
Left: 0.002+/-0.000 χ^2/NDF: 4096943.2/21

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4275290.9/25

Out: 0.002+/-0.000 χ^2/NDF:5048309.5/30

All: 0.003+/-0.000 χ^2/NDF: 9447547.4/56



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

Left: -0.004+/-0.010 χ^2/NDF: 26.2/21

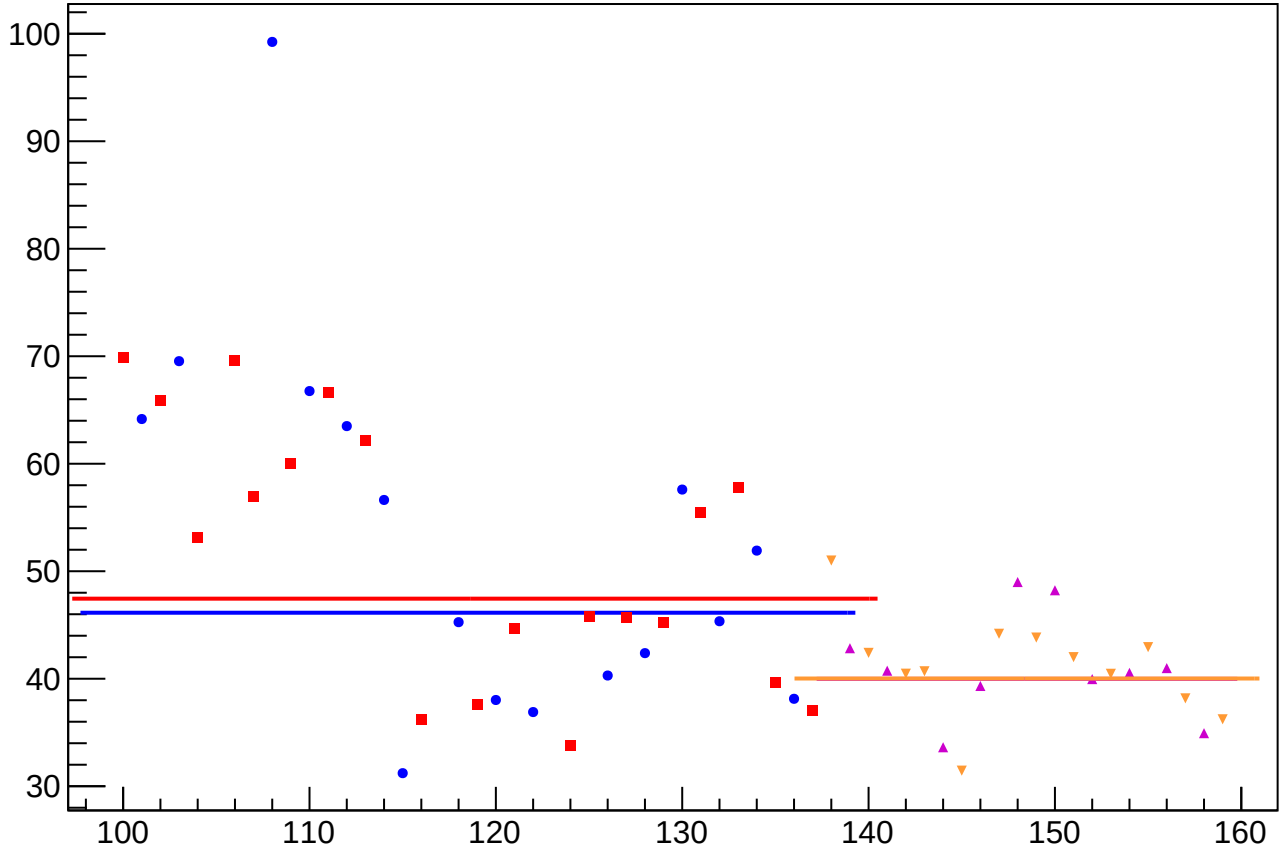
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.005+/-0.008 χ^2/NDF: 54.4/56

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.020+/-0.009 χ^2/NDF:252646.2/11

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

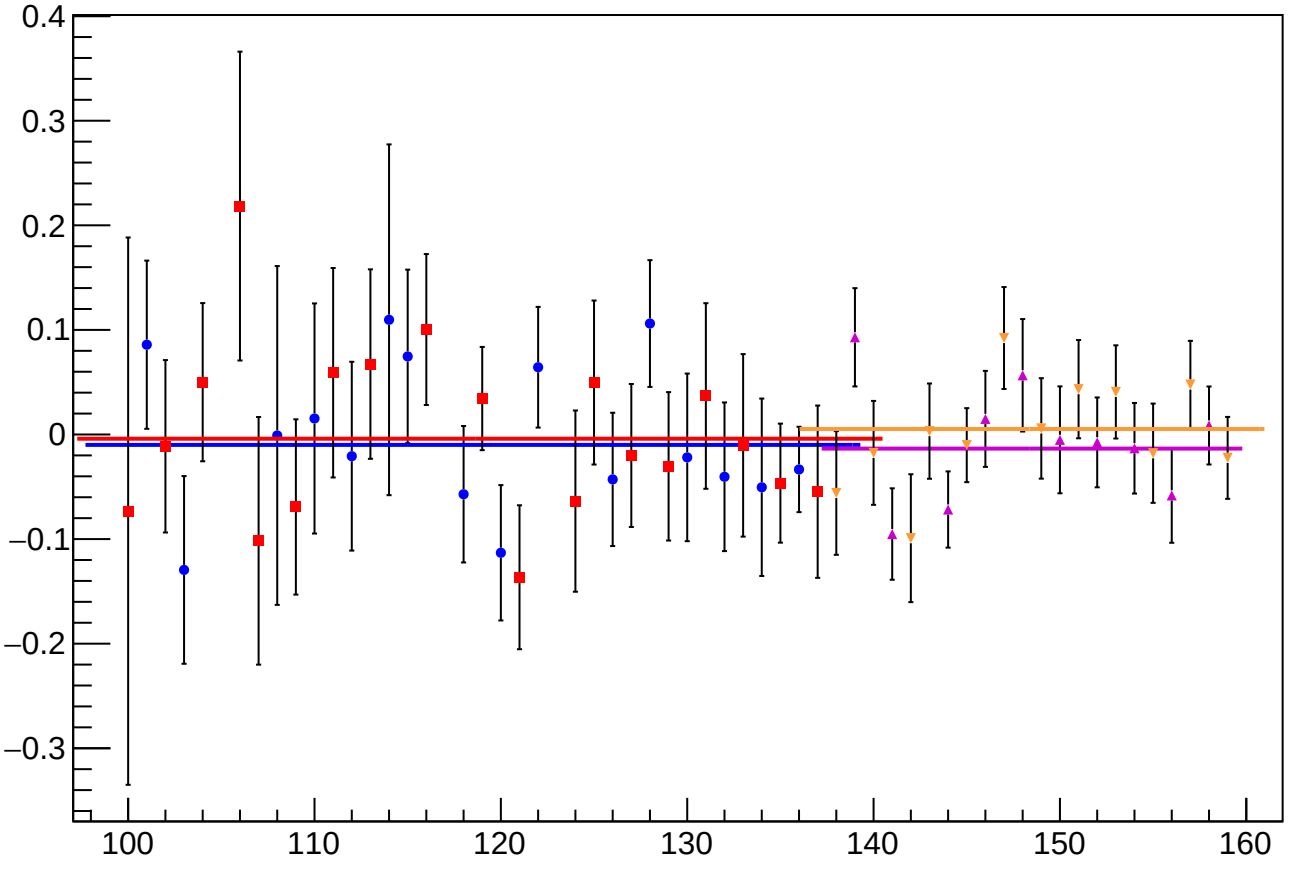
Left: 40.004+/-0.007 χ^2/NDF: 468170.5/21

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.276+/-0.008 χ^2/NDF:1265621.0/25

Out: 42.606+/-0.008 χ^2/NDF:1127129.3/30

All: 42.446+/-0.005 χ^2/NDF: 2393677.8/56



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

Left: -0.004+/-0.010 χ^2/NDF: 26.2/21

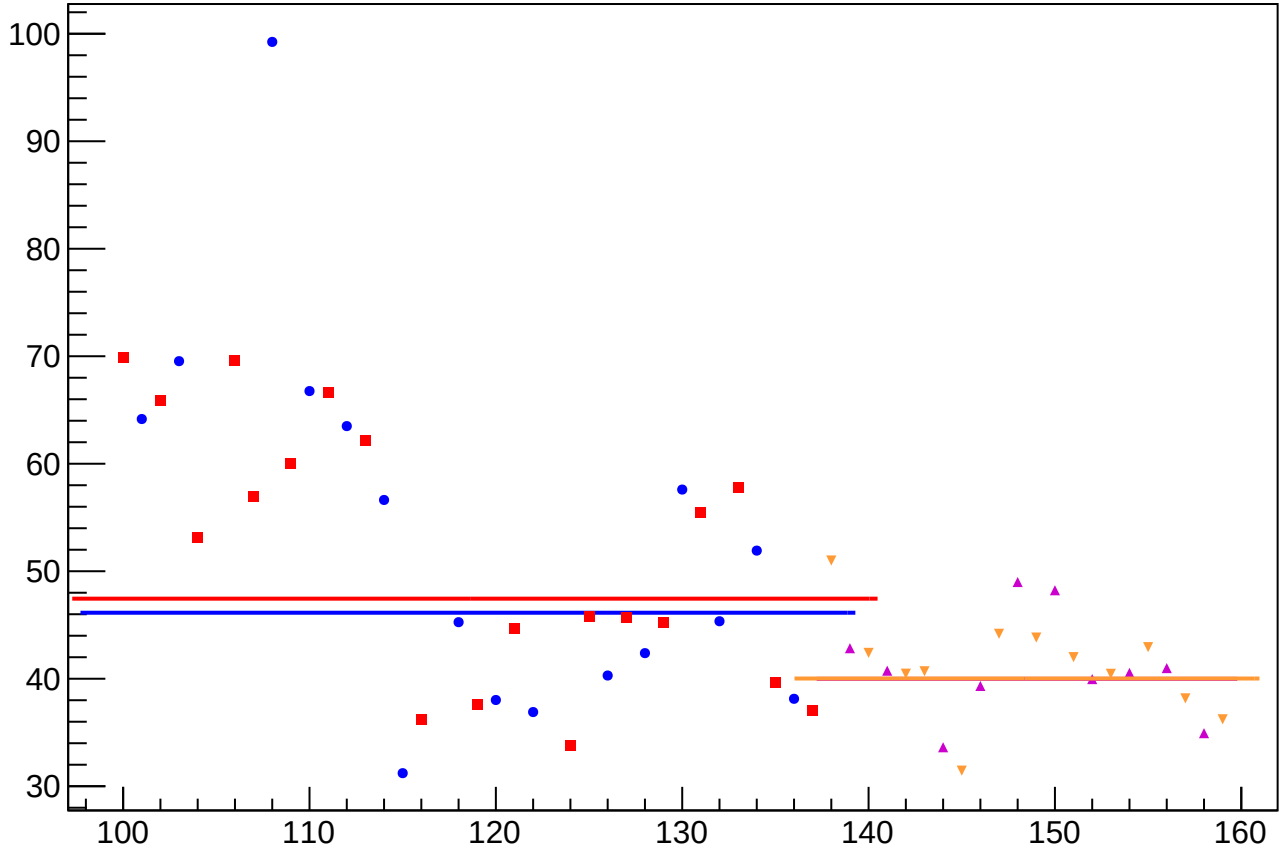
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.005+/-0.008 χ^2/NDF: 54.4/56

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.020+/-0.009 χ^2/NDF:252646.2/11

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

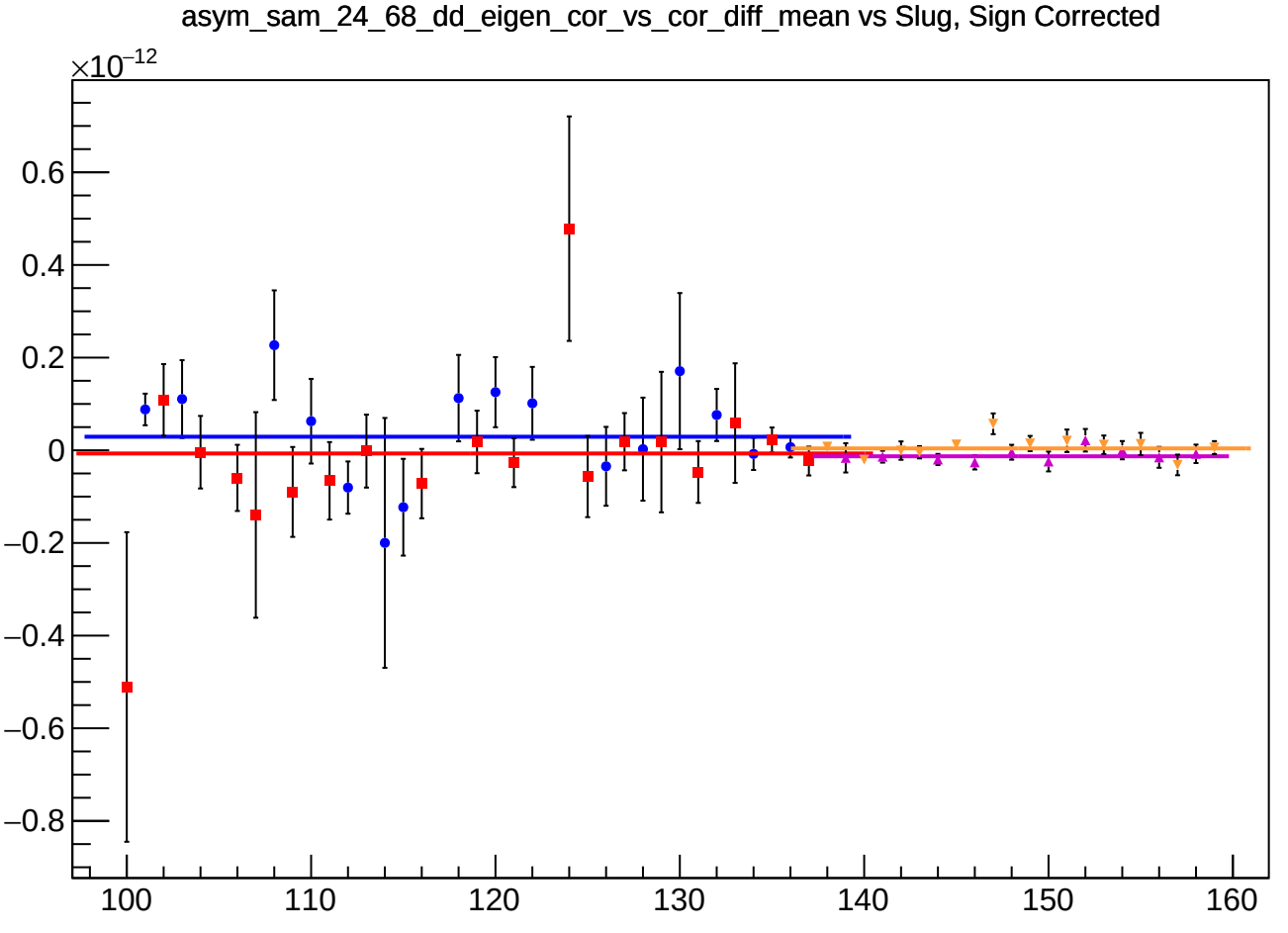
Left: 40.004+/-0.007 χ^2/NDF: 468170.5/21

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.276+/-0.008 χ^2/NDF:1265621.0/25

Out: 42.606+/-0.008 χ^2/NDF:1127129.3/30

All: 42.446+/-0.005 χ^2/NDF: 2393677.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/11

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

Left In: -0.000+/-0.000 χ^2/NDF:4.2/9

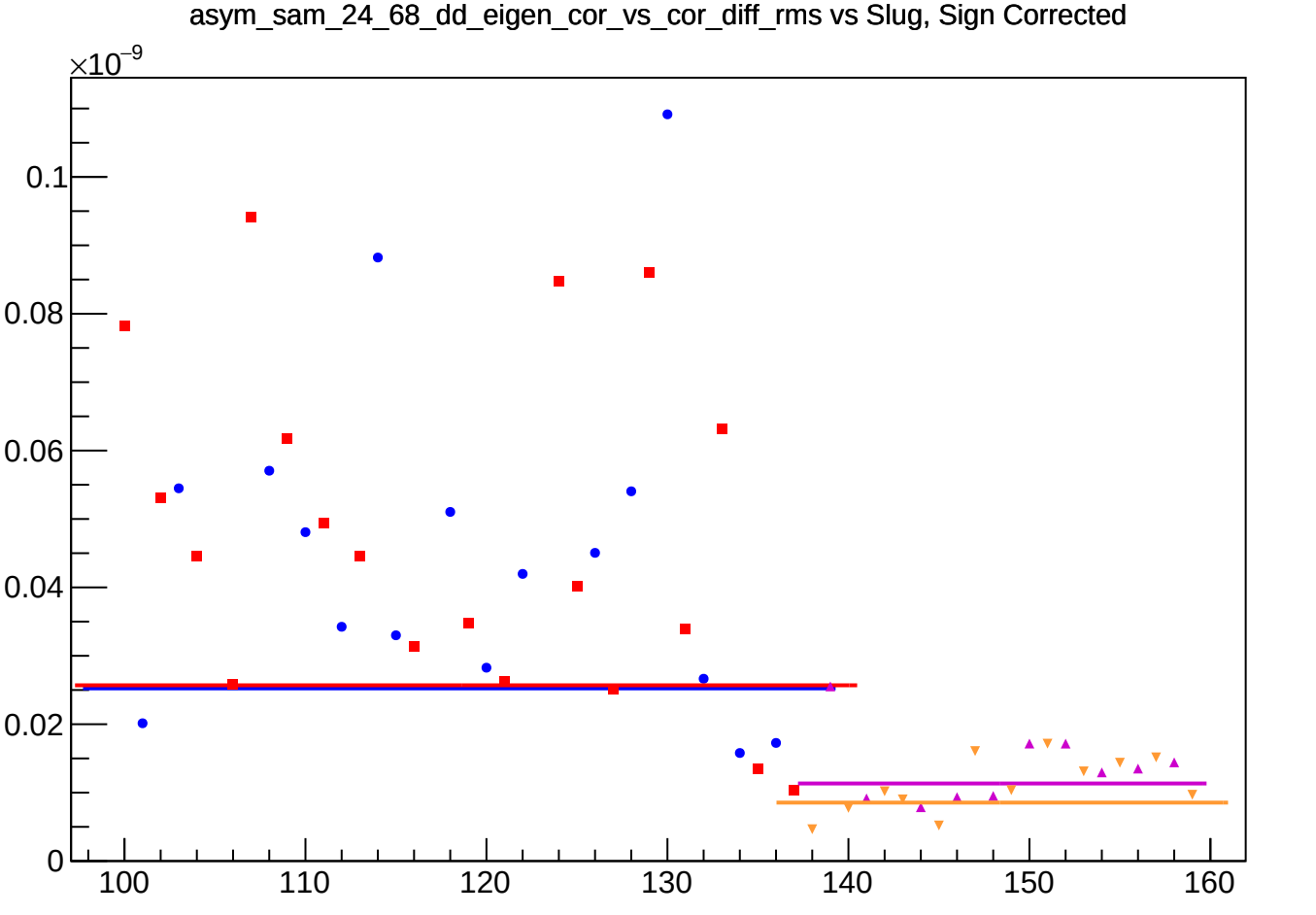
Left: -0.000+/-0.000 χ^2/NDF: 26.4/21

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:33.5/25

Out: 0.000+/-0.000 χ^2/NDF:30.9/30

All: -0.000+/-0.000 χ^2/NDF: 66.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1502818.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1034321.3/9

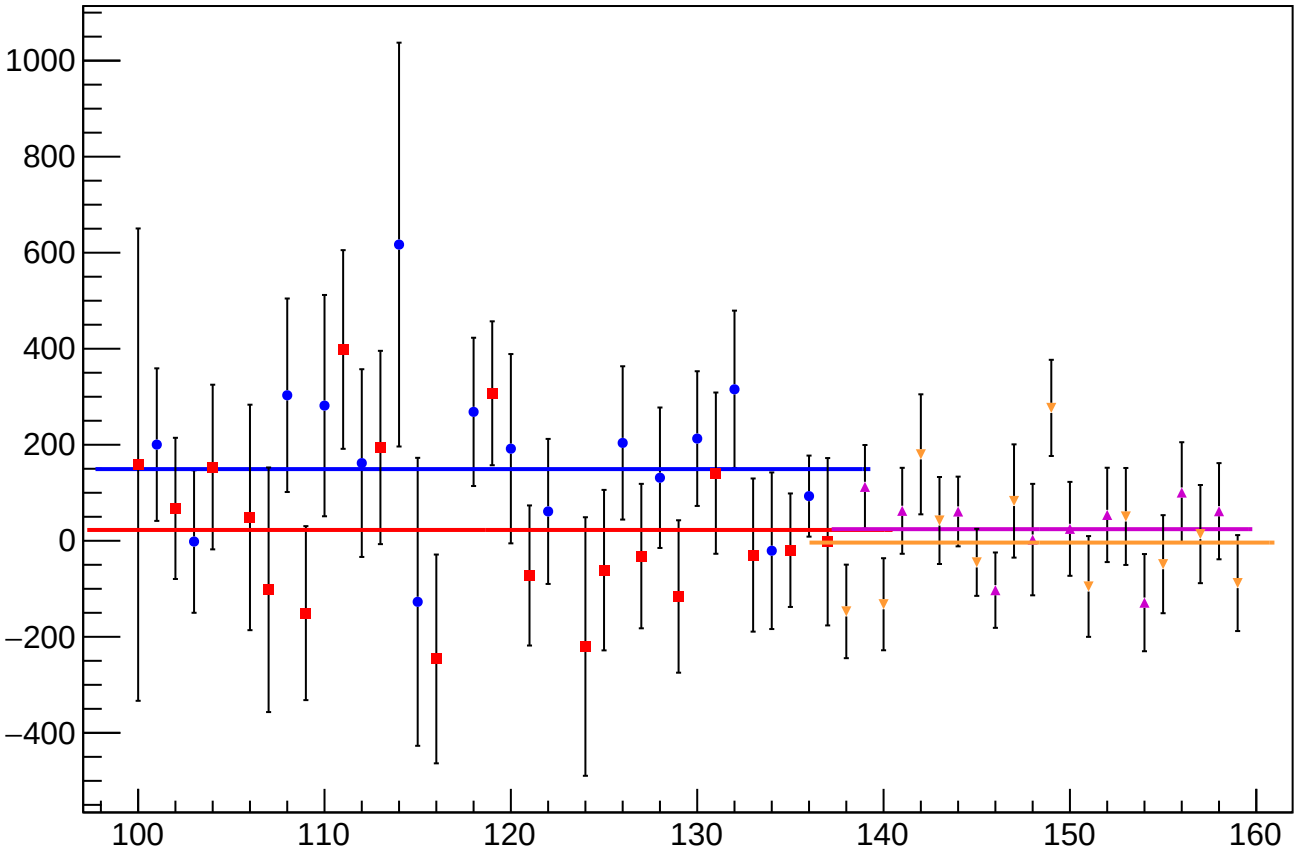
Left: 0.000+/-0.000 χ^2/NDF: 2865151.9/21

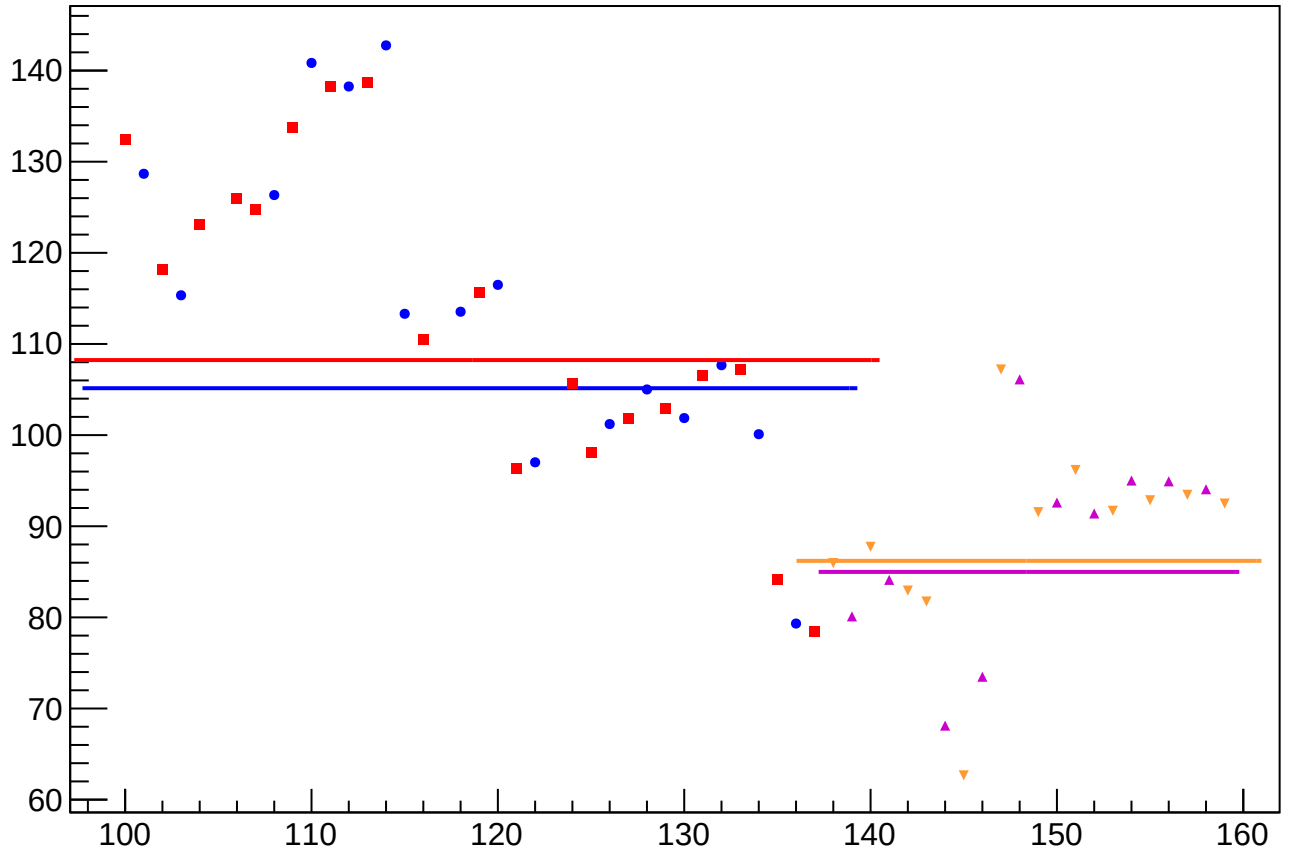
Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4967922.2/25

Out: 0.000+/-0.000 χ^2/NDF:6928270.3/30

All: 0.000+/-0.000 χ^2/NDF: 12454670.1/56


reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: 149.303+/-39.687 χ²/NDF: 8.0/15
Left Out: -3.755+/-28.198 χ²/NDF:17.1/11
Right Out: 22.549+/-40.100 χ²/NDF: 14.2/18
Left In: 24.205+/-29.120 χ²/NDF:7.2/9
Left: 9.775+/-20.257 χ²/NDF: 24.7/21
Right: 86.583+/-28.208 χ²/NDF: 27.3/34
In: 67.985+/-23.478 χ²/NDF:21.6/25
Out: 4.948+/-23.066 χ²/NDF:31.6/30
All: 35.909+/-16.454 χ²/NDF: 56.9/56



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.202+/-0.020 χ^2/NDF:353894.6/11

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.7/9

Left: 85.615+/-0.014 χ^2/NDF: 653935.0/21

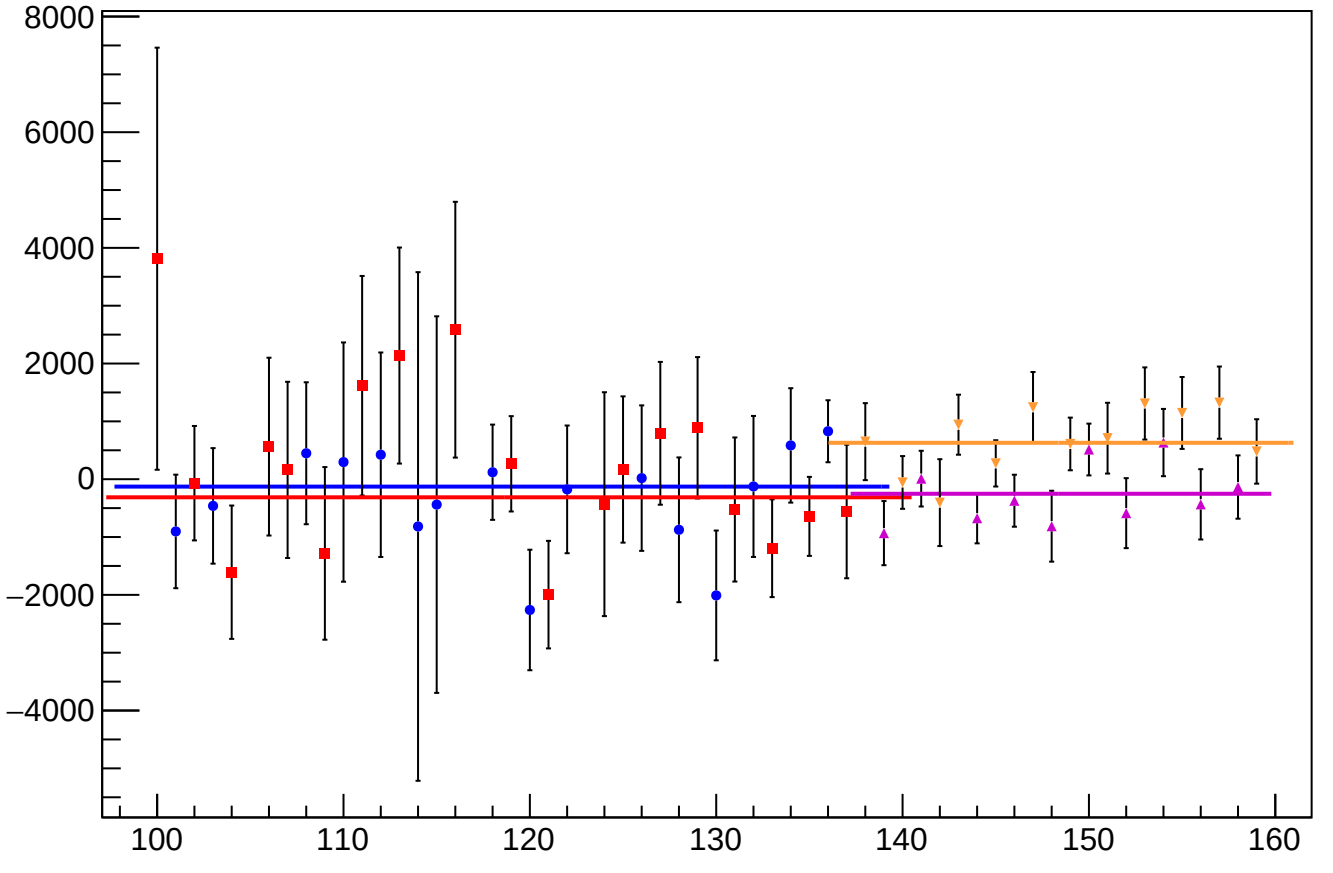
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.043+/-0.017 χ^2/NDF:1042033.3/25

Out: 93.492+/-0.016 χ^2/NDF:1107745.0/30

All: 92.780+/-0.012 χ^2/NDF: 2153650.7/56

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.452+/-158.276 χ^2/NDF:9.5/11

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -251.727+/-163.980 χ^2/NDF:9.3/9

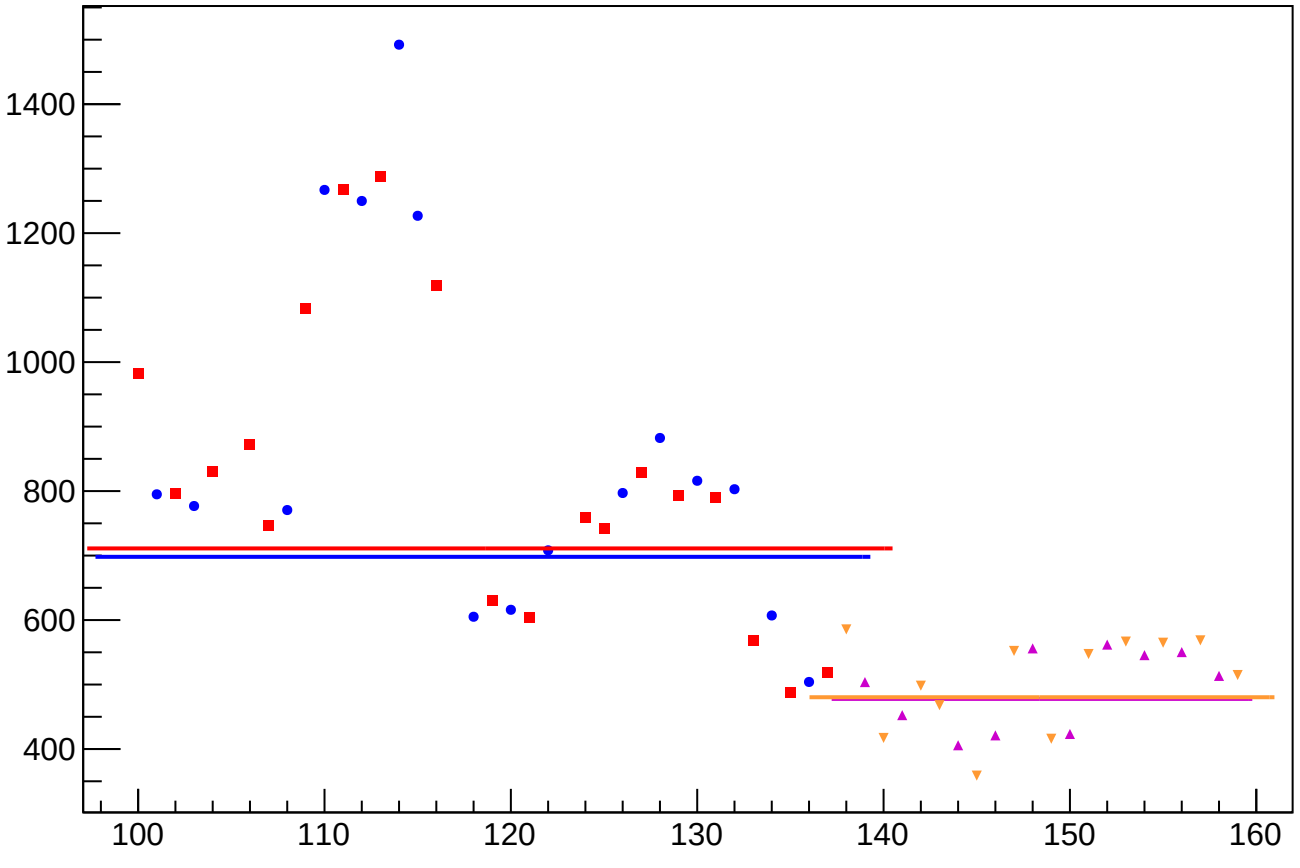
Left: 204.457+/-113.881 χ^2/NDF: 33.8/21

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -218.151+/-139.961 χ^2/NDF:21.8/25

Out: 388.584+/-136.561 χ^2/NDF:33.6/30

All: 92.676+/-97.743 χ^2/NDF: 65.0/56



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 480.312+/-0.112 χ^2/NDF:489443.3/11

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 477.741+/-0.116 χ^2/NDF:261355.2/9

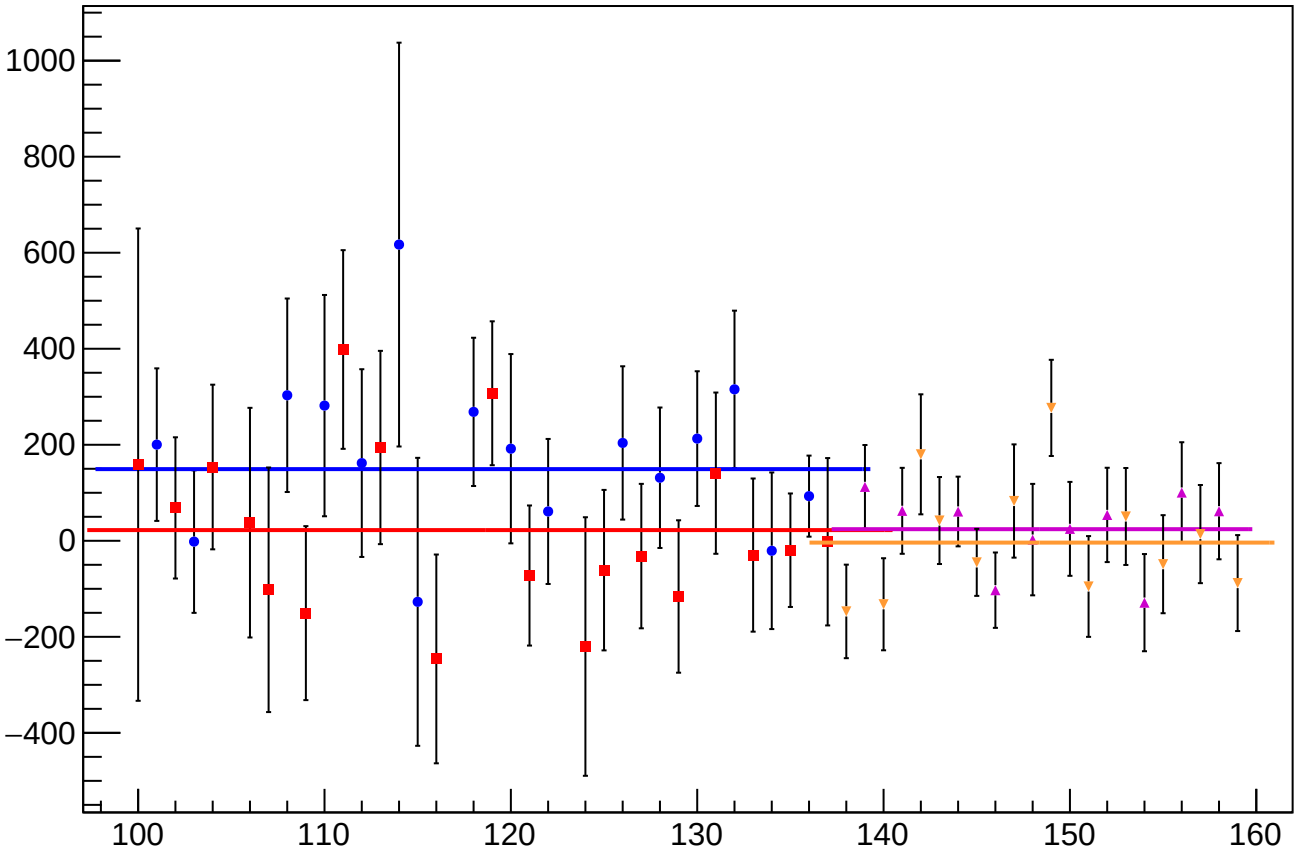
Left: 479.072+/-0.081 χ^2/NDF: 751053.0/21

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 537.555+/-0.099 χ^2/NDF:2154366.7/25

Out: 539.290+/-0.097 χ^2/NDF:2611209.4/30

All: 538.444+/-0.069 χ^2/NDF: 4765733.5/56



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.753+/-28.198 χ^2/NDF:17.1/11

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 24.205+/-29.120 χ^2/NDF:7.2/9

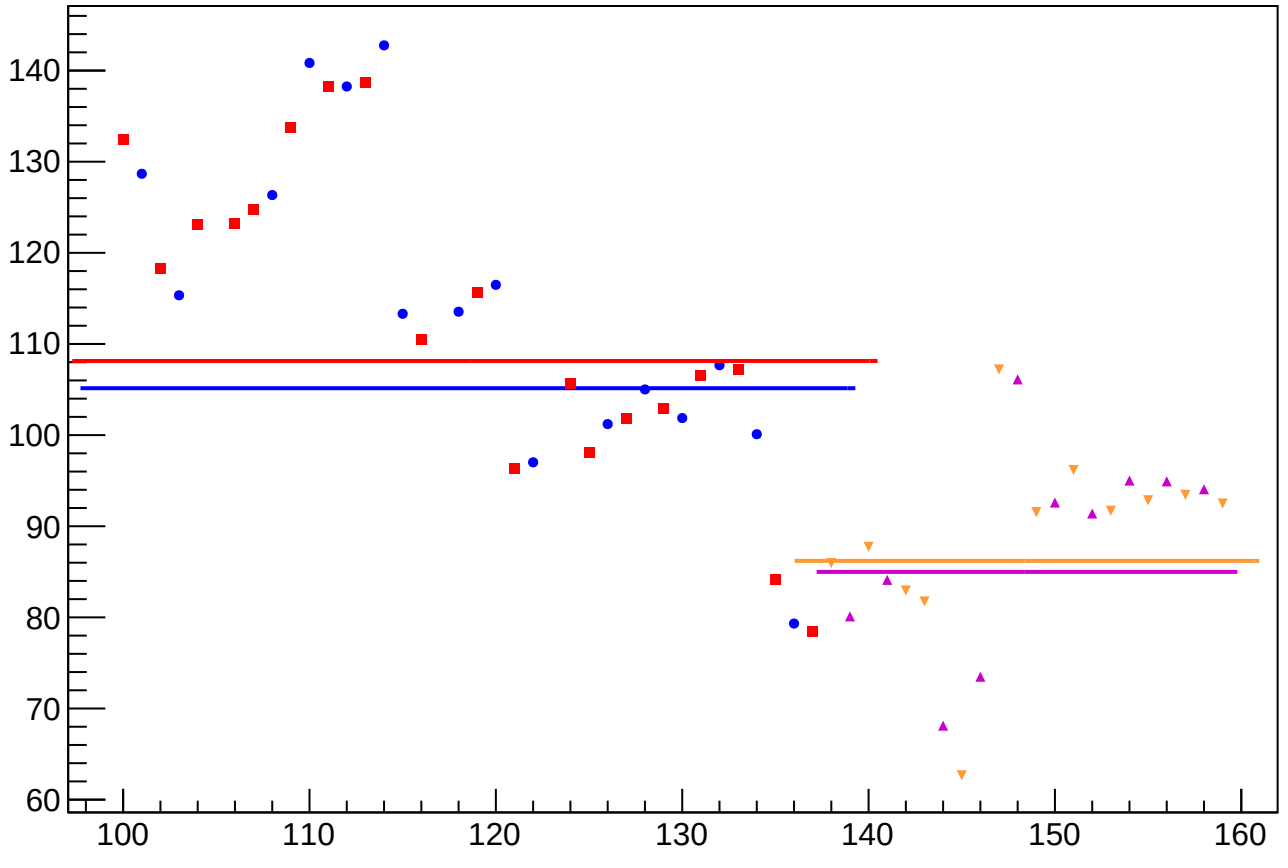
Left: 9.776+/-20.257 χ^2/NDF: 24.7/21

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 67.982+/-23.478 χ^2/NDF:21.6/25

Out: 4.859+/-23.070 χ^2/NDF:31.6/30

All: 35.868+/-16.455 χ^2/NDF: 56.9/56



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.202+/-0.020 χ^2/NDF:353894.6/11

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

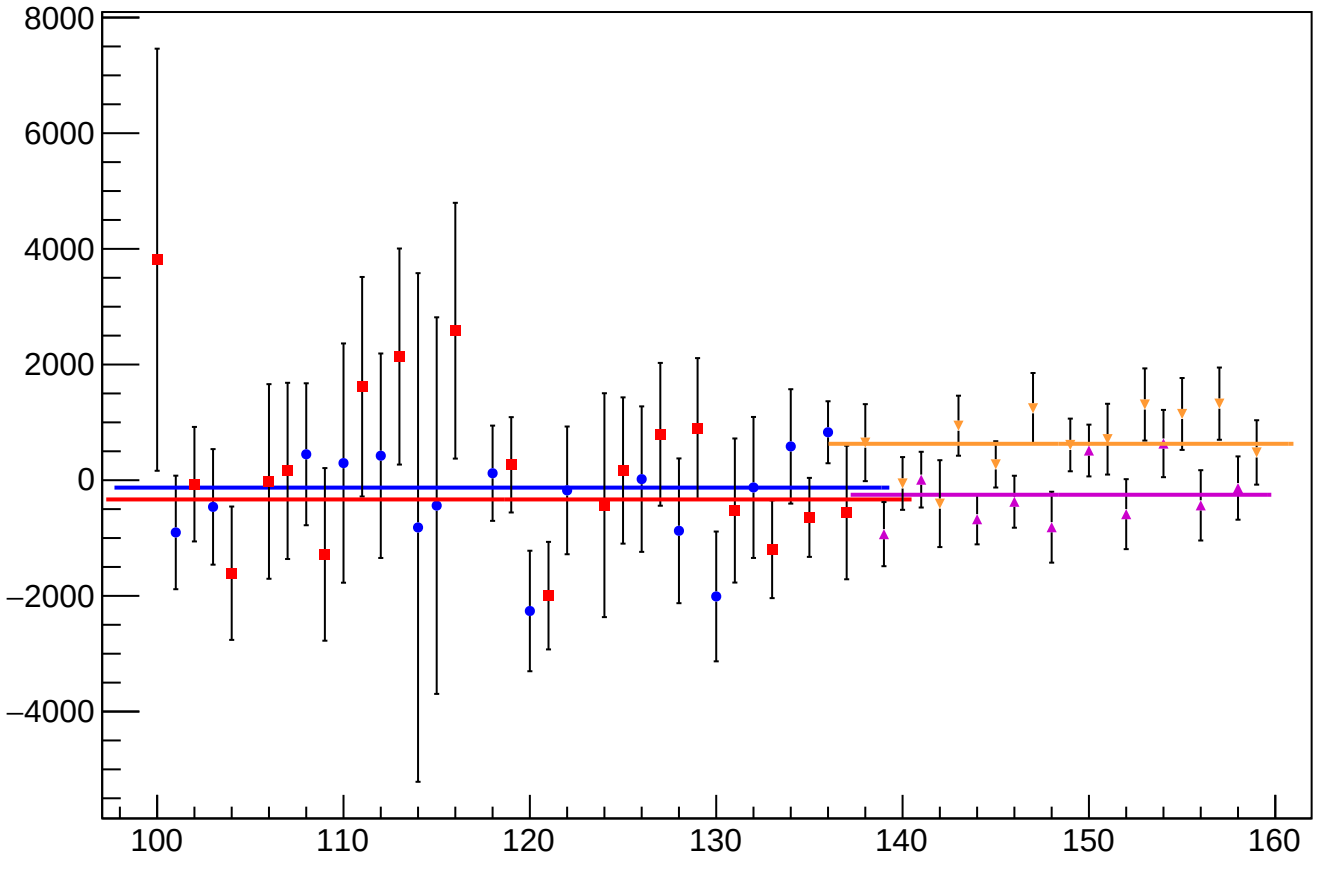
Left: 85.615+/-0.014 χ^2/NDF: 653935.0/21

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.043+/-0.017 χ^2/NDF:1042033.6/25

Out: 93.454+/-0.016 χ^2/NDF:1100309.0/30

All: 92.761+/-0.012 χ^2/NDF: 2146017.8/56



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.455+/-158.276 χ^2/NDF:9.5/11

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -251.725+/-163.980 χ^2/NDF:9.3/9

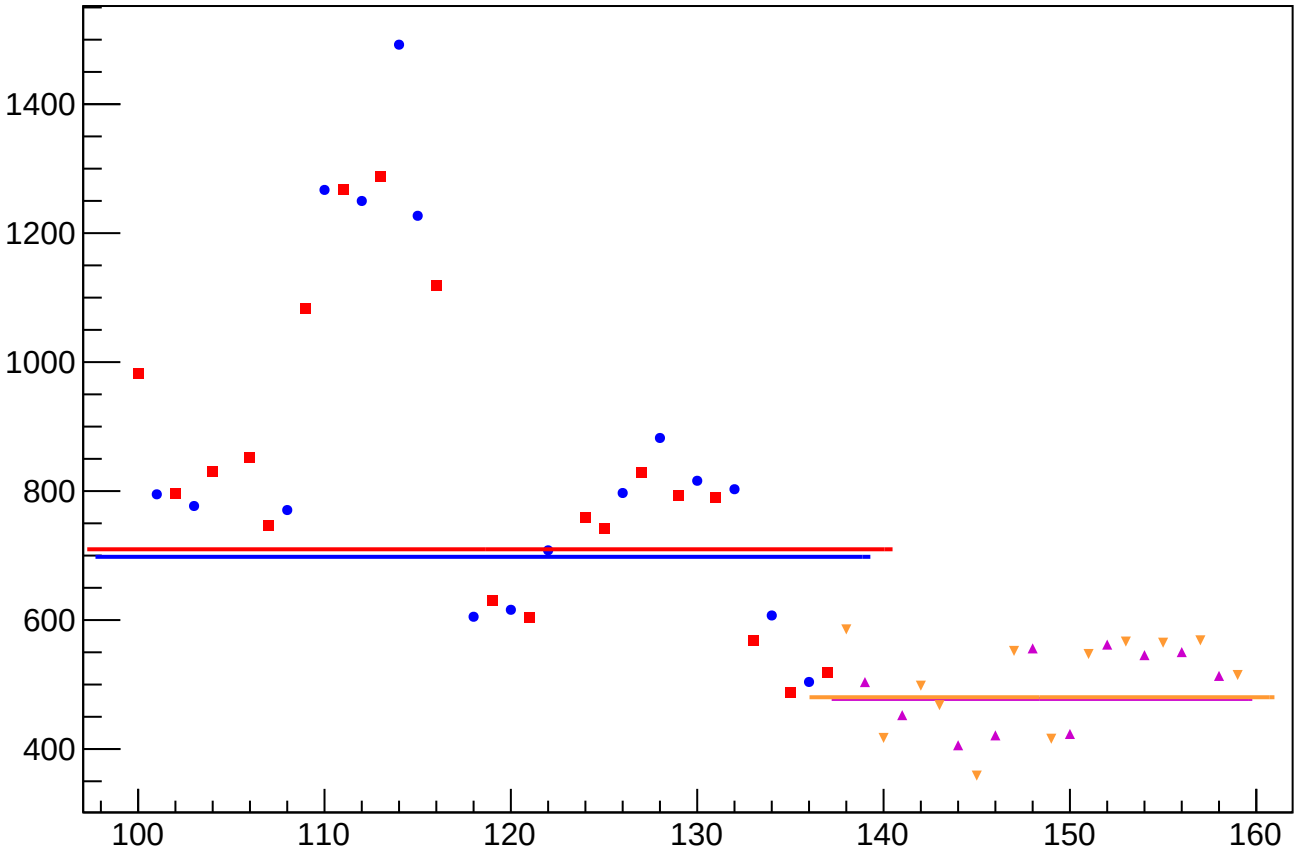
Left: 204.459+/-113.881 χ^2/NDF: 33.8/21

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -218.147+/-139.961 χ^2/NDF:21.8/25

Out: 384.521+/-136.652 χ^2/NDF:33.6/30

All: 90.396+/-97.776 χ^2/NDF: 64.9/56



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.312+/-0.112 χ^2/NDF:489444.7/11

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

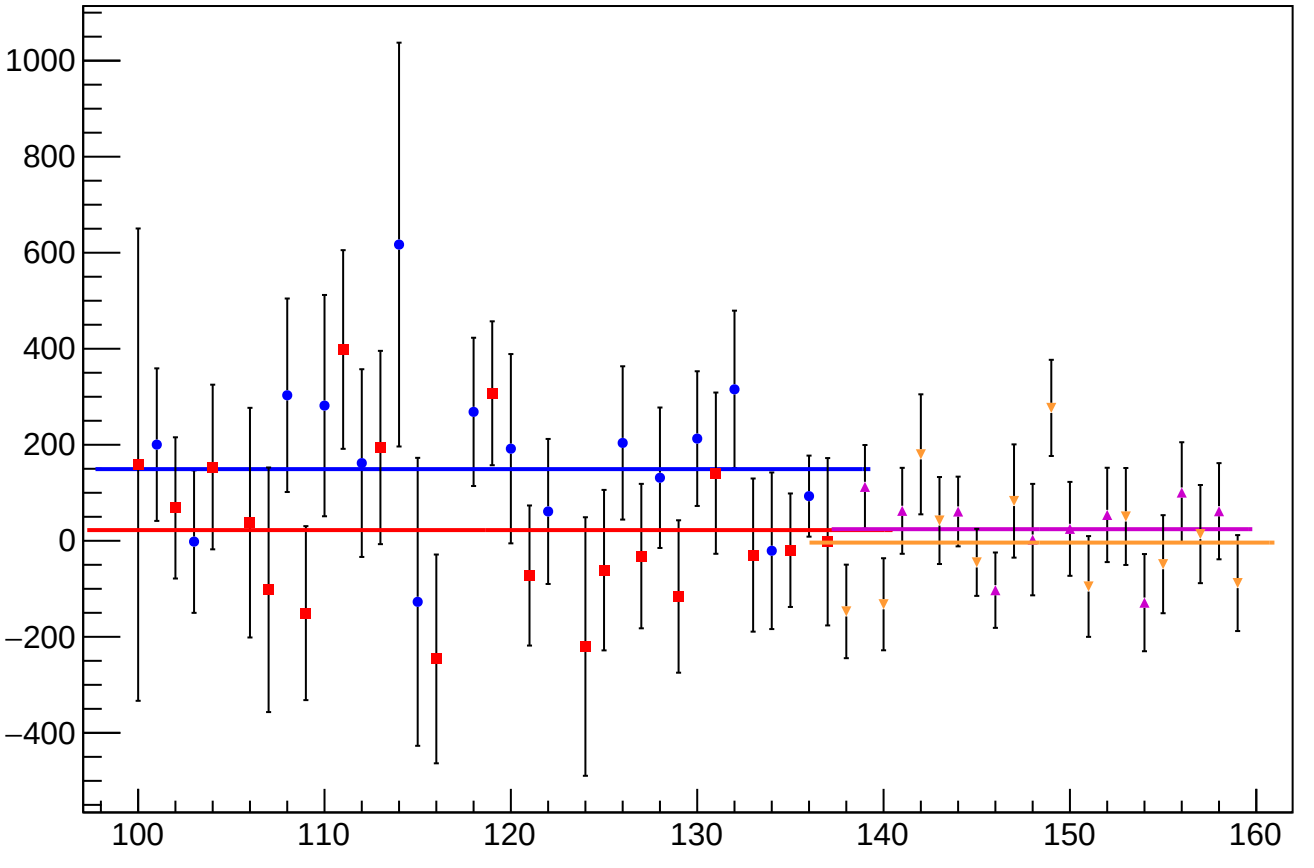
Left: 479.072+/-0.081 χ^2/NDF: 751052.4/21

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.555+/-0.099 χ^2/NDF:2154376.9/25

Out: 538.721+/-0.097 χ^2/NDF:2586469.8/30

All: 538.152+/-0.069 χ^2/NDF: 4740917.8/56


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
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−200
−400
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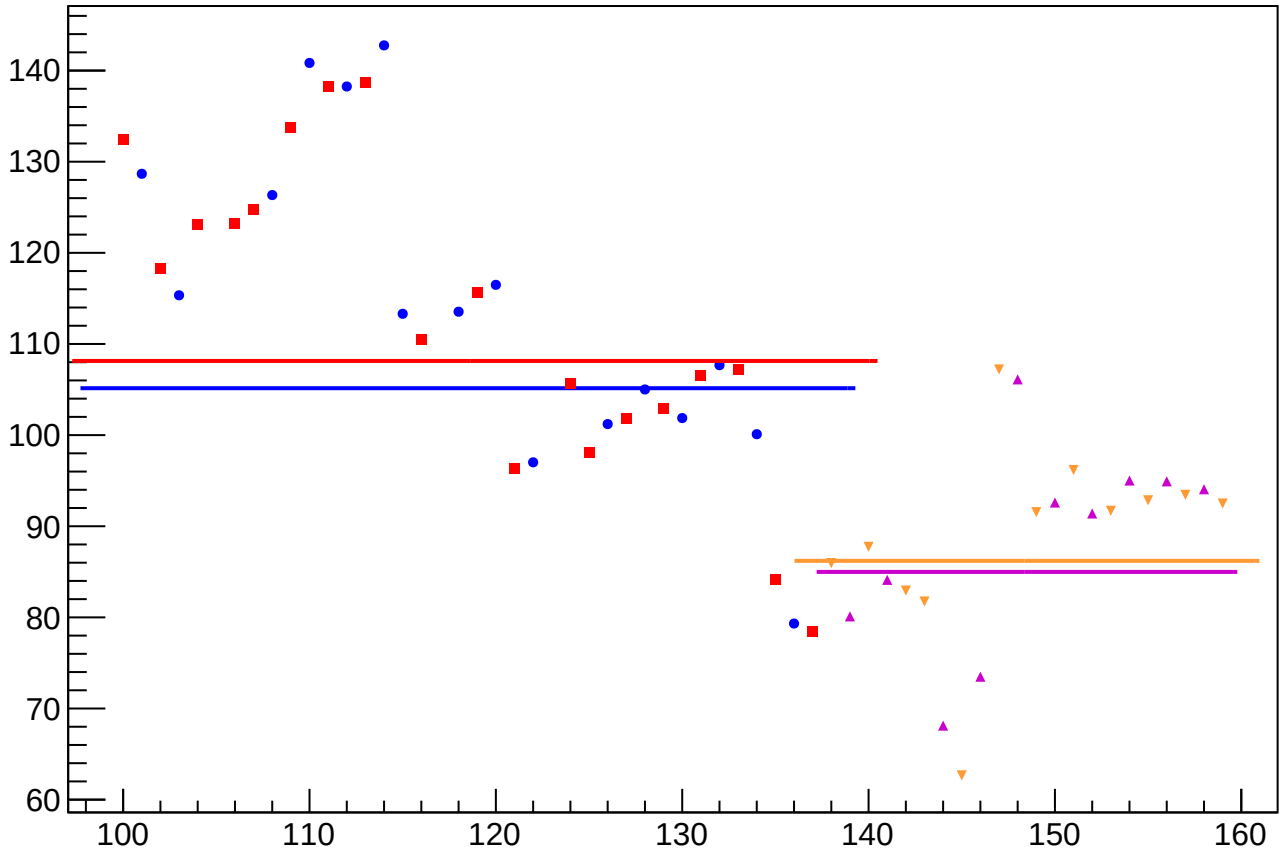
110
120
130
140
150
160
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -3.753+/-28.198 χ²/NDF:17.1/11
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 24.205+/-29.120 χ²/NDF:7.2/9
Left: 9.776+/-20.257 χ²/NDF: 24.7/21
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 67.982+/-23.478 χ²/NDF:21.6/25
Out: 4.859+/-23.070 χ²/NDF:31.6/30
All: 35.868+/-16.455 χ²/NDF: 56.9/56



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.202+/-0.020 χ^2/NDF:353894.6/11

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

Left: 85.615+/-0.014 χ^2/NDF: 653935.0/21

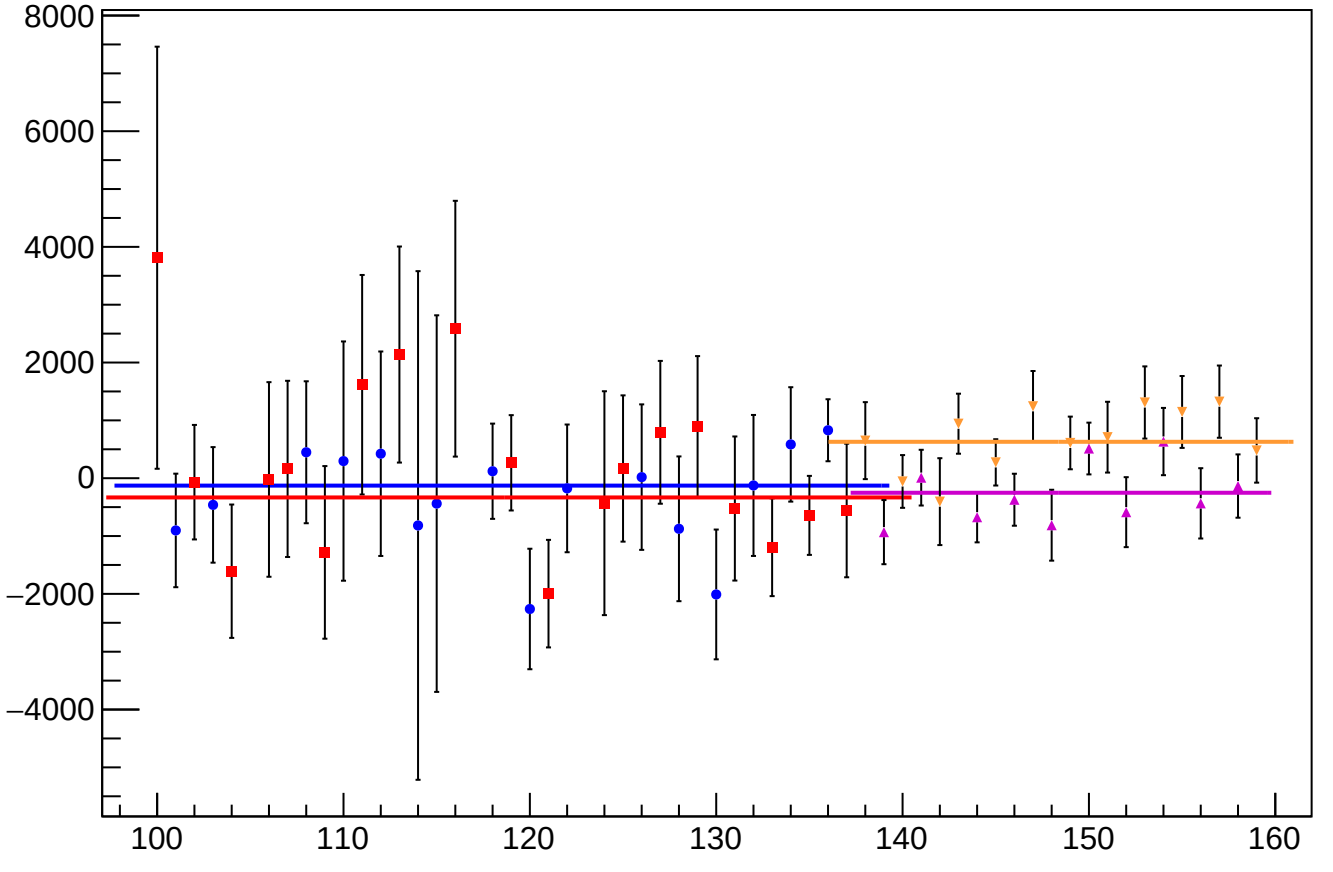
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.043+/-0.017 χ^2/NDF:1042033.6/25

Out: 93.454+/-0.016 χ^2/NDF:1100309.0/30

All: 92.761+/-0.012 χ^2/NDF: 2146017.8/56

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.455+/-158.276 χ^2/NDF:9.5/11

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -251.725+/-163.980 χ^2/NDF:9.3/9

Left: 204.459+/-113.881 χ^2/NDF: 33.8/21

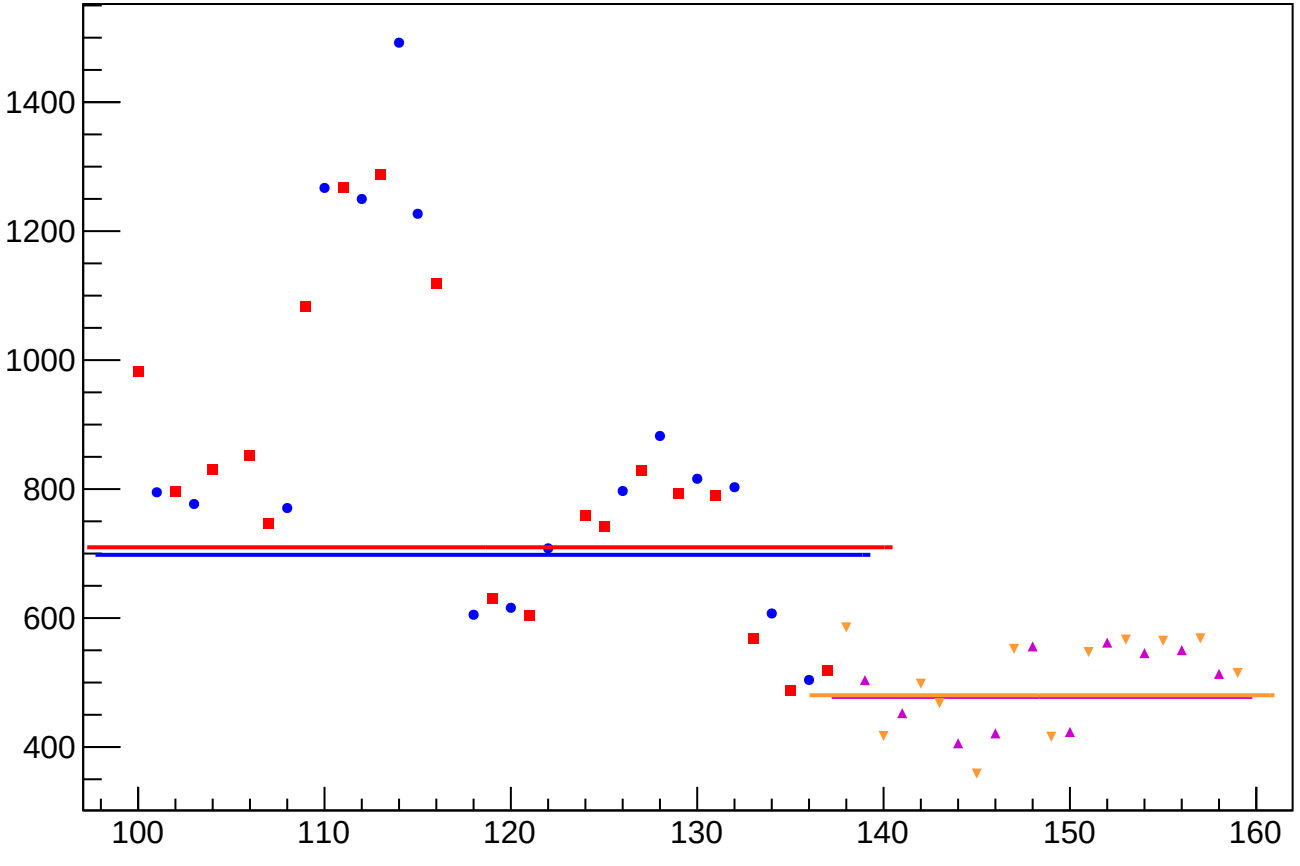
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -218.147+/-139.961 χ^2/NDF:21.8/25

Out: 384.521+/-136.652 χ^2/NDF:33.6/30

All: 90.396+/-97.776 χ^2/NDF: 64.9/56

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.312+/-0.112 χ^2/NDF:489444.7/11

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

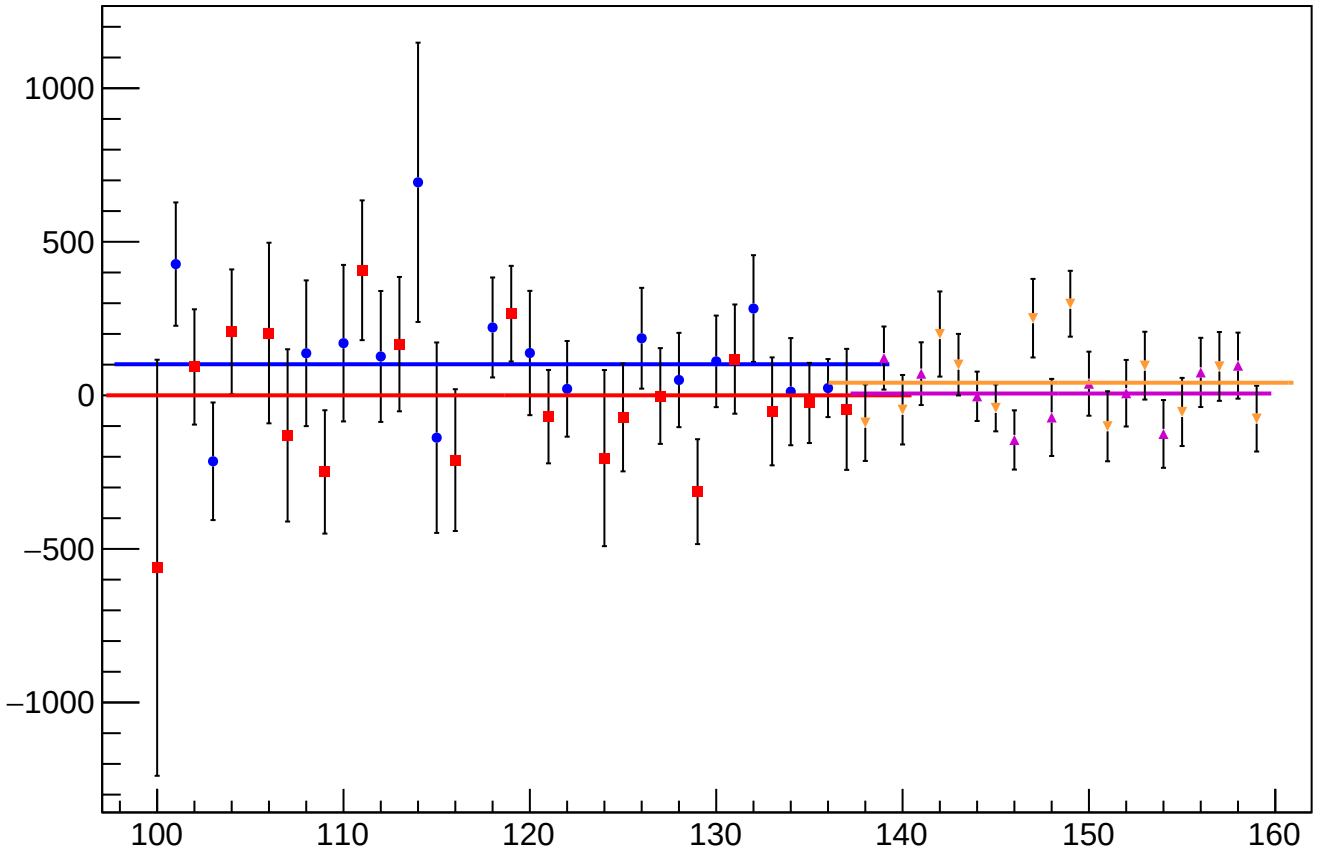
Left: 479.072+/-0.081 χ^2/NDF: 751052.4/21

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.555+/-0.099 χ^2/NDF:2154376.9/25

Out: 538.721+/-0.097 χ^2/NDF:2586469.8/30

All: 538.152+/-0.069 χ^2/NDF: 4740917.8/56



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 41.146+/-31.302 χ^2/NDF:16.9/11

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 5.998+/-32.599 χ^2/NDF:7.1/9

Left: 24.284+/-22.579 χ^2/NDF: 24.6/21

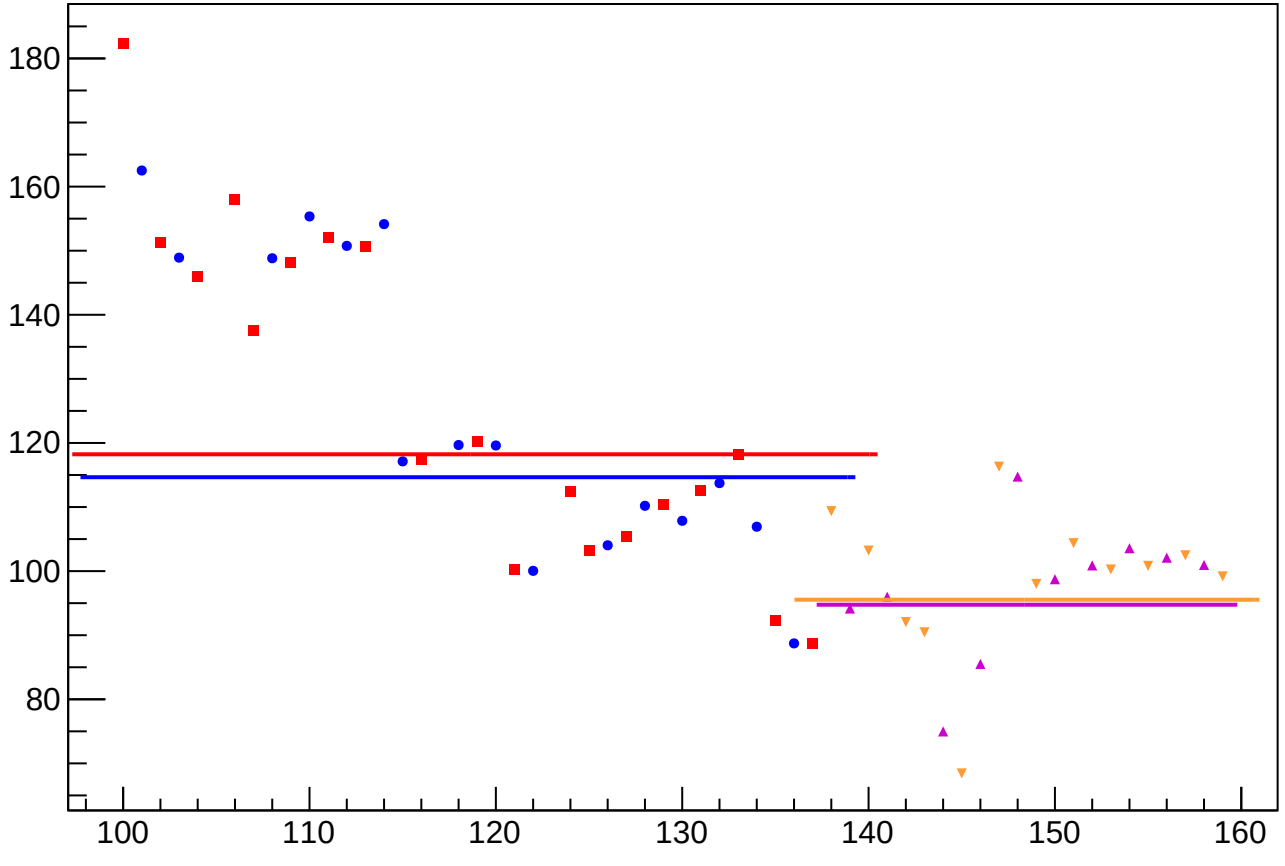
Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 40.255+/-26.089 χ^2/NDF:21.2/25

Out: 27.375+/-25.513 χ^2/NDF:34.1/30

All: 33.671+/-18.241 χ^2/NDF: 55.4/56

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.538+/-0.022 χ^2/NDF:375943.1/11

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.1/9

Left: 95.165+/-0.016 χ^2/NDF: 604409.8/21

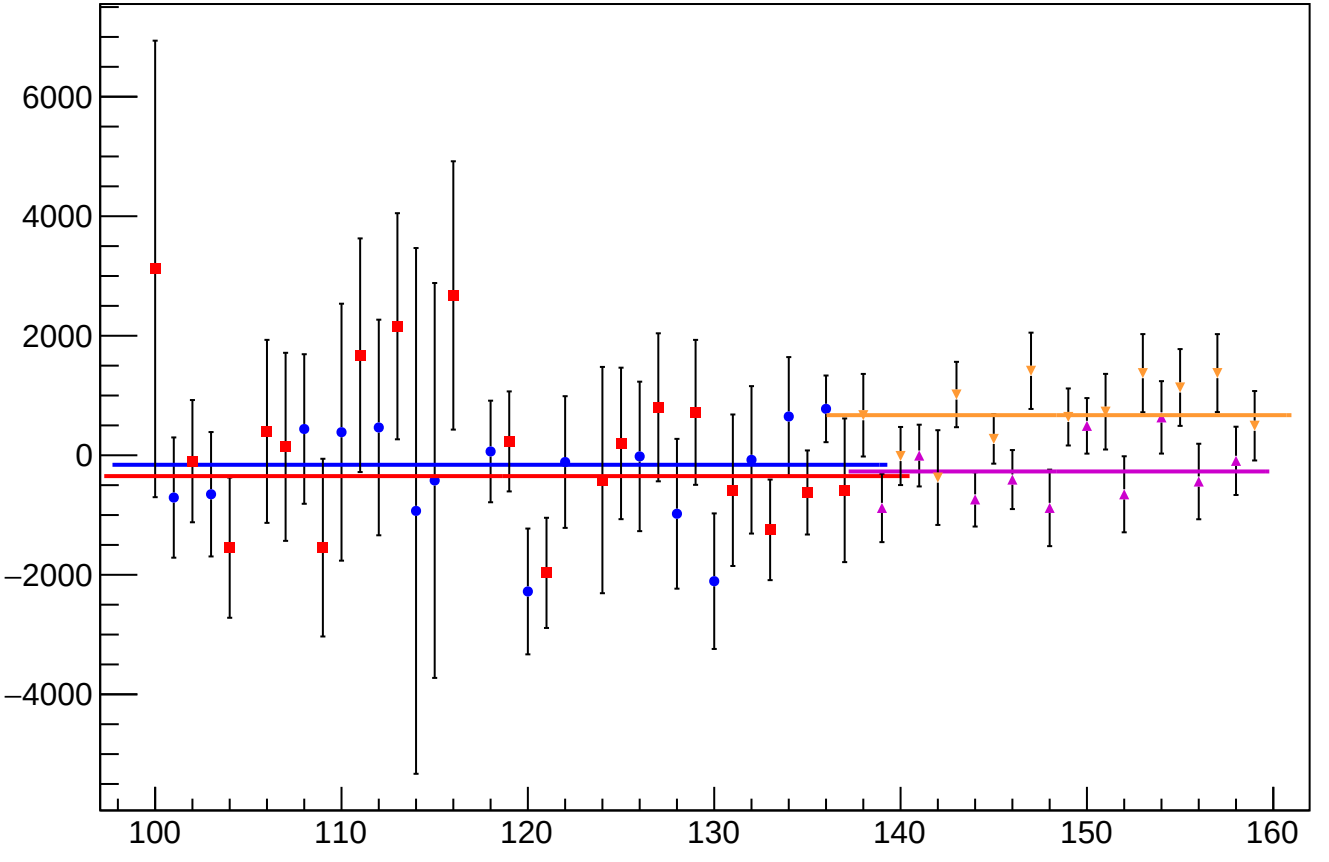
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.912+/-0.018 χ^2/NDF:1027669.6/25

Out: 103.156+/-0.018 χ^2/NDF:1212179.8/30

All: 102.548+/-0.013 χ^2/NDF: 2242171.2/56

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 671.312+/-165.480 χ^2/NDF:9.3/11

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -270.739+/-172.554 χ^2/NDF:8.9/9

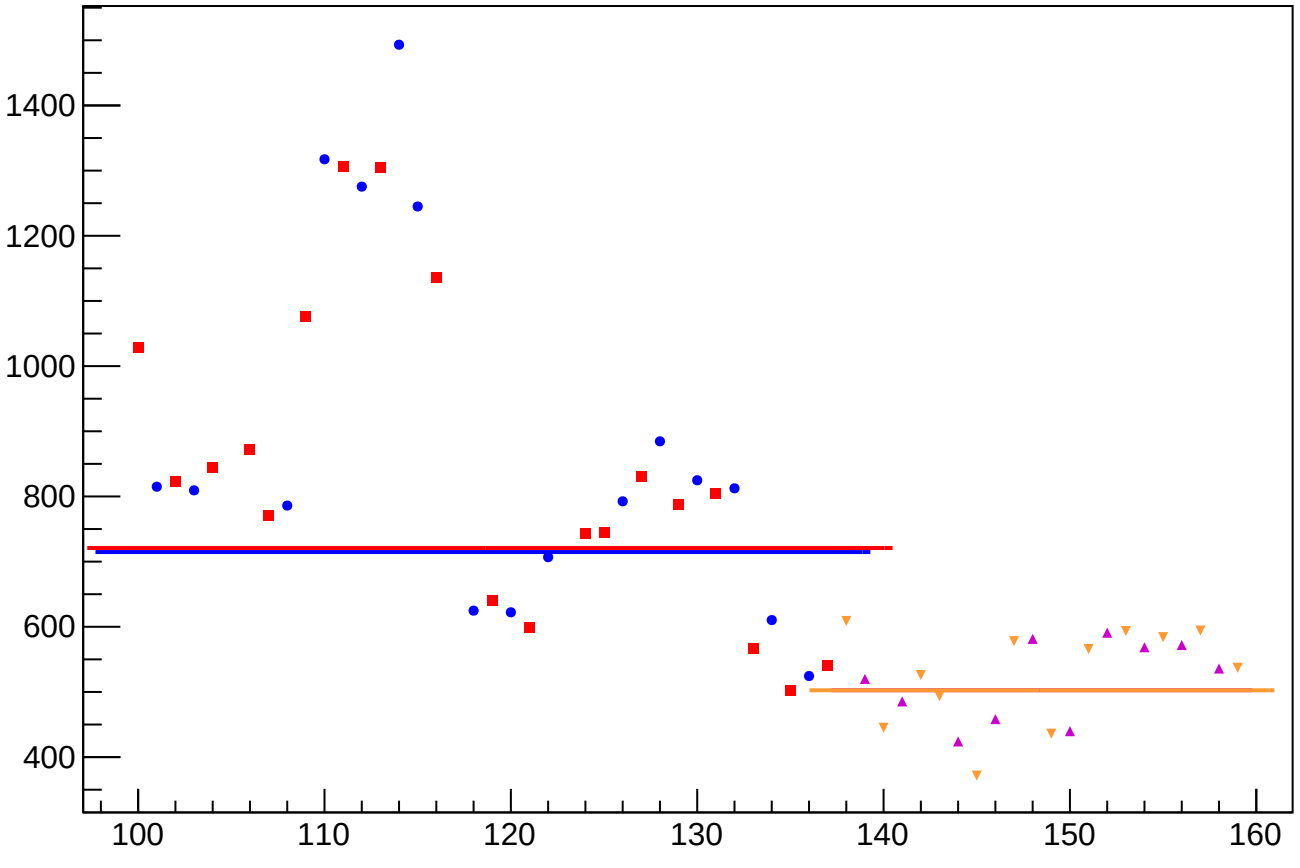
Left: 219.992+/-119.435 χ^2/NDF: 33.8/21

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -239.132+/-146.097 χ^2/NDF:21.0/25

Out: 398.156+/-141.595 χ^2/NDF:33.8/30

All: 89.482+/-101.677 χ^2/NDF: 64.6/56



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.556+/-0.117 χ^2/NDF:482080.5/11

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 502.699+/-0.122 χ^2/NDF:239993.7/9

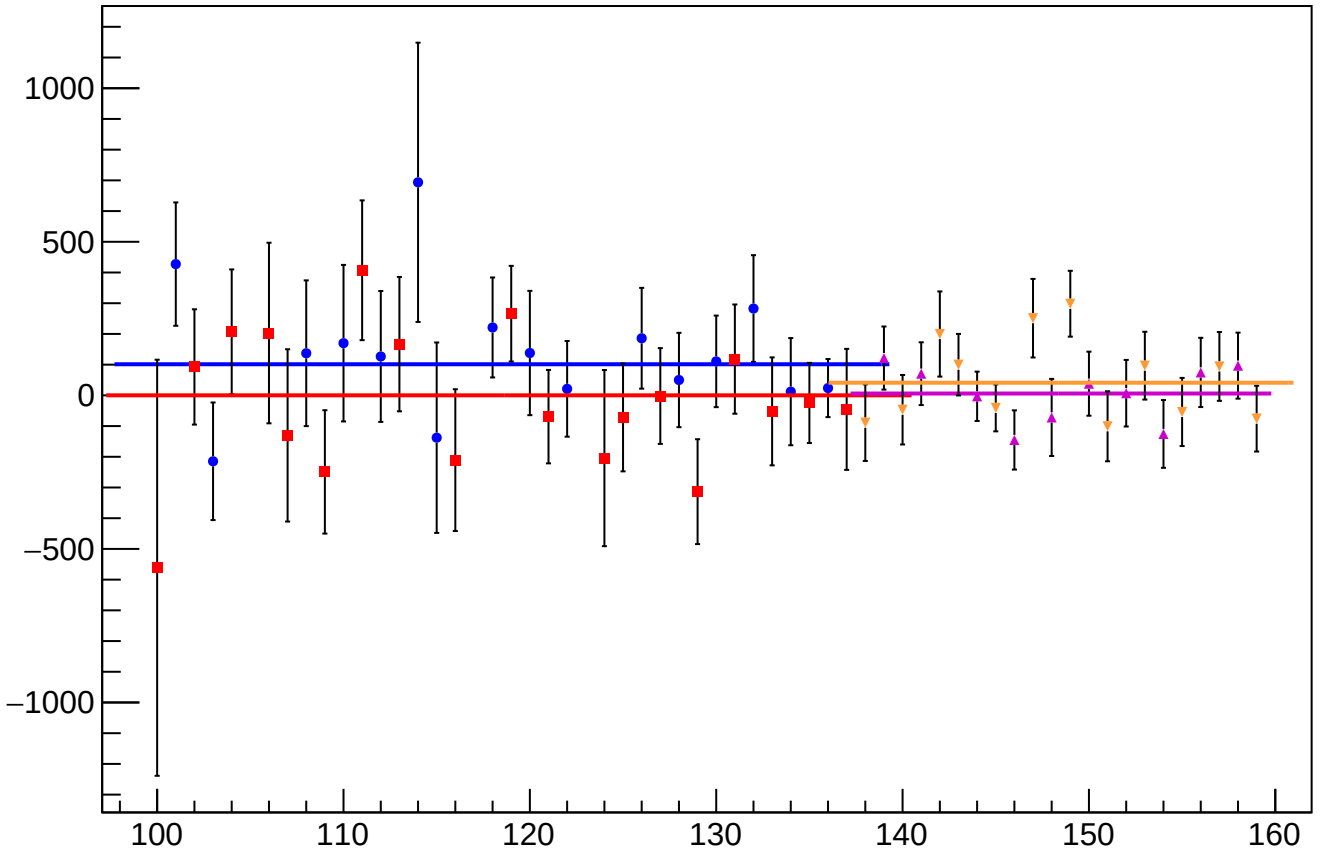
Left: 502.624+/-0.084 χ^2/NDF: 722075.0/21

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 562.717+/-0.103 χ^2/NDF:1970746.7/25

Out: 561.033+/-0.100 χ^2/NDF:2432996.5/30

All: 561.849+/-0.072 χ^2/NDF: 4403880.2/56



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 41.145+/-31.302 χ^2/NDF:16.9/11

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 5.997+/-32.599 χ^2/NDF:7.1/9

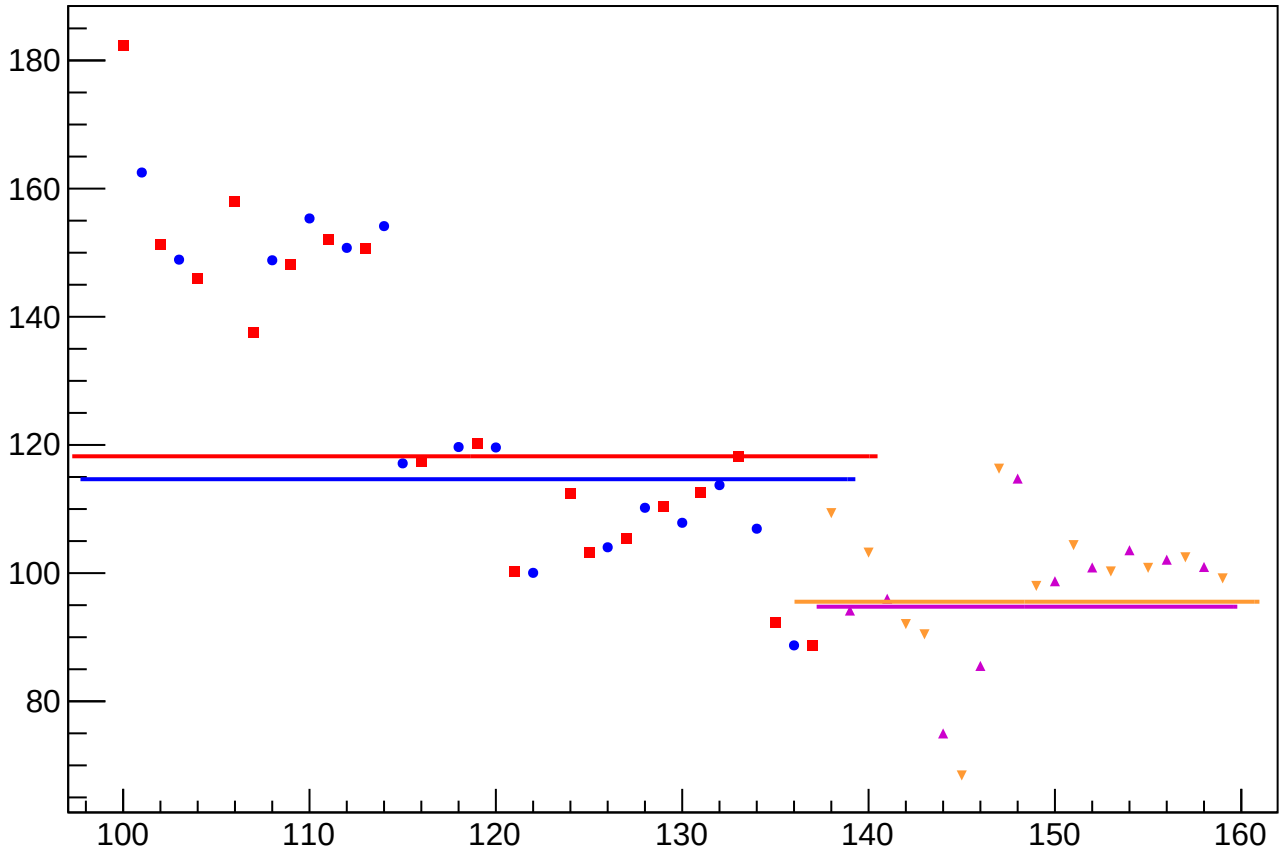
Left: 24.283+/-22.579 χ^2/NDF: 24.6/21

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 40.253+/-26.089 χ^2/NDF:21.2/25

Out: 27.375+/-25.513 χ^2/NDF:34.1/30

All: 33.670+/-18.241 χ^2/NDF: 55.4/56



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.538+/-0.022 χ^2/NDF:375948.7/11

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.2/9

Left: 95.165+/-0.016 χ^2/NDF: 604415.4/21

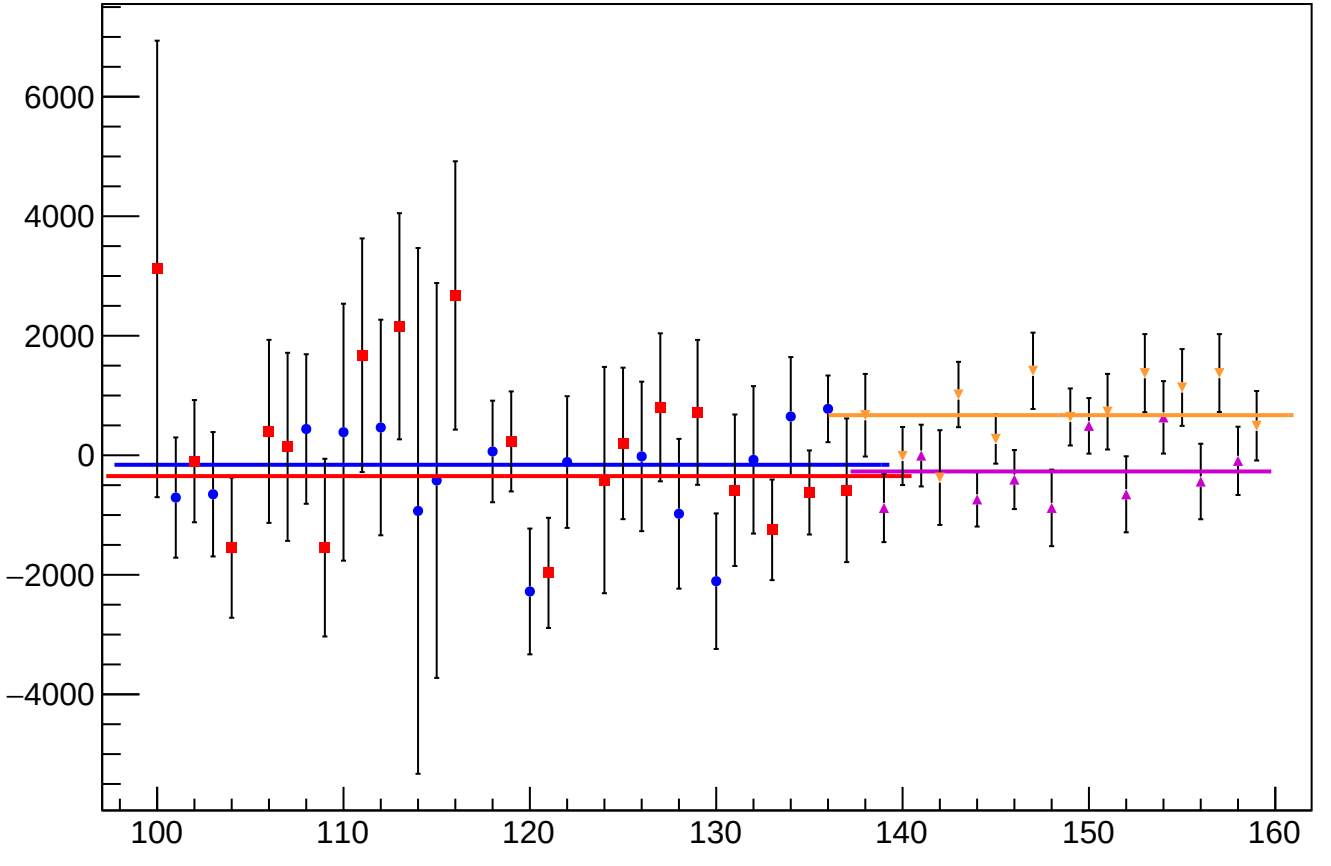
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.913+/-0.018 χ^2/NDF:1027658.7/25

Out: 103.156+/-0.018 χ^2/NDF:1212177.9/30

All: 102.548+/-0.013 χ^2/NDF: 2242158.1/56

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: 671.311+/-165.480 χ^2/NDF:9.3/11

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -270.740+/-172.554 χ^2/NDF:8.9/9

Left: 219.992+/-119.435 χ^2/NDF: 33.8/21

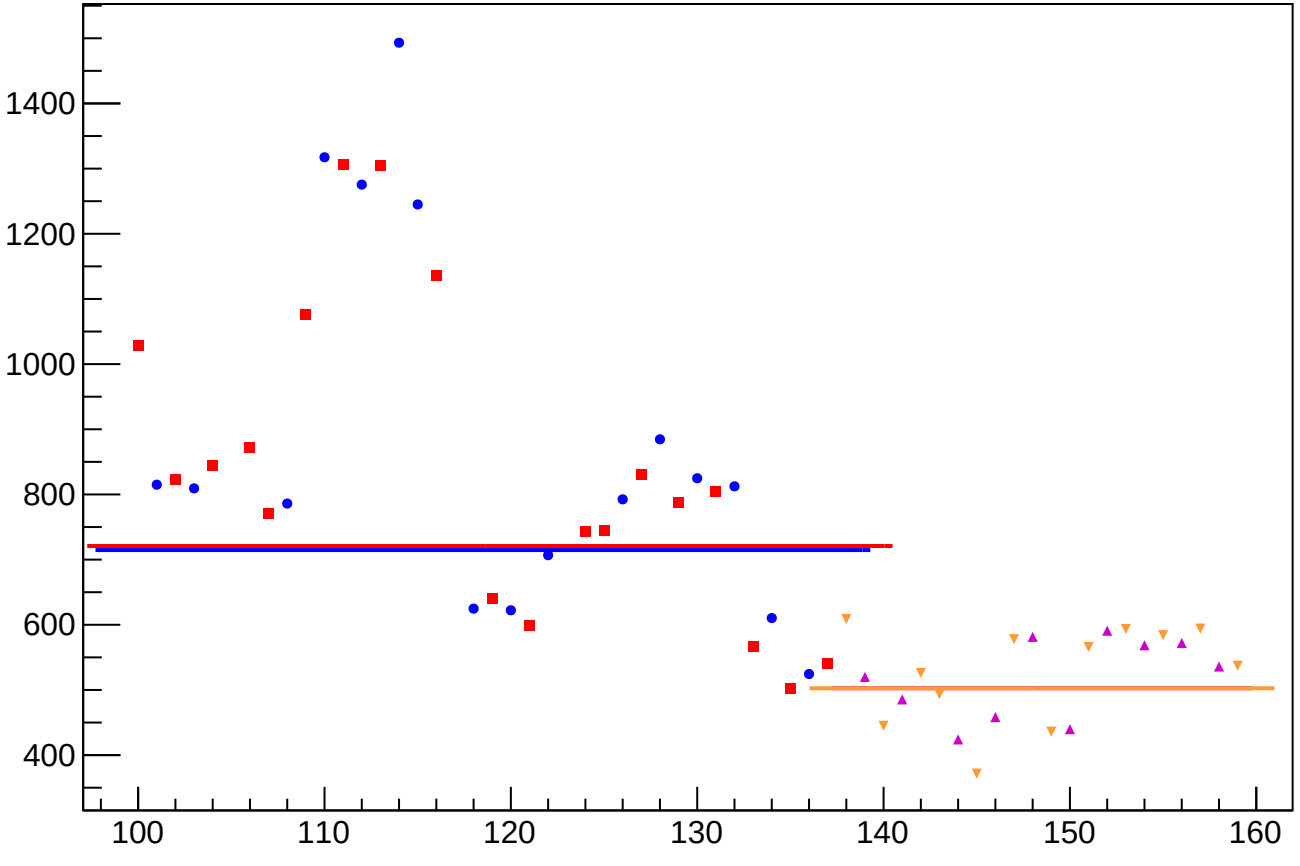
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -239.133+/-146.097 χ^2/NDF:21.0/25

Out: 398.155+/-141.595 χ^2/NDF:33.8/30

All: 89.481+/-101.677 χ^2/NDF: 64.6/56

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: 502.556+/-0.117 χ^2/NDF:482082.3/11

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 502.699+/-0.122 χ^2/NDF:239991.6/9

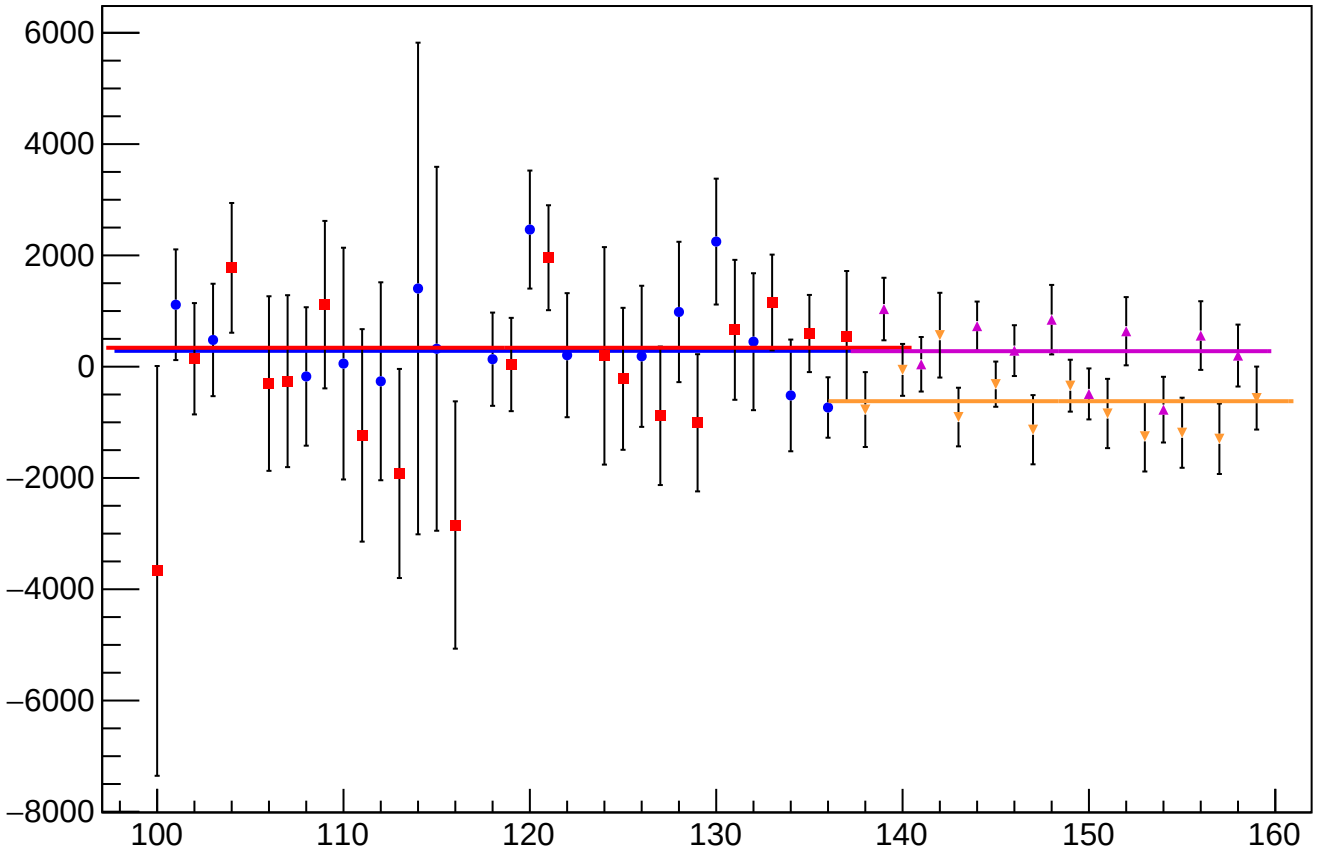
Left: 502.625+/-0.084 χ^2/NDF: 722074.6/21

Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 562.717+/-0.103 χ^2/NDF:1970736.8/25

Out: 561.034+/-0.100 χ^2/NDF:2432989.3/30

All: 561.849+/-0.072 χ^2/NDF: 4403863.1/56



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -620.301+/-160.966 χ^2/NDF:8.9/11

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 278.604+/-166.709 χ^2/NDF:10.5/9

Left: -186.600+/-115.797 χ^2/NDF: 34.4/21

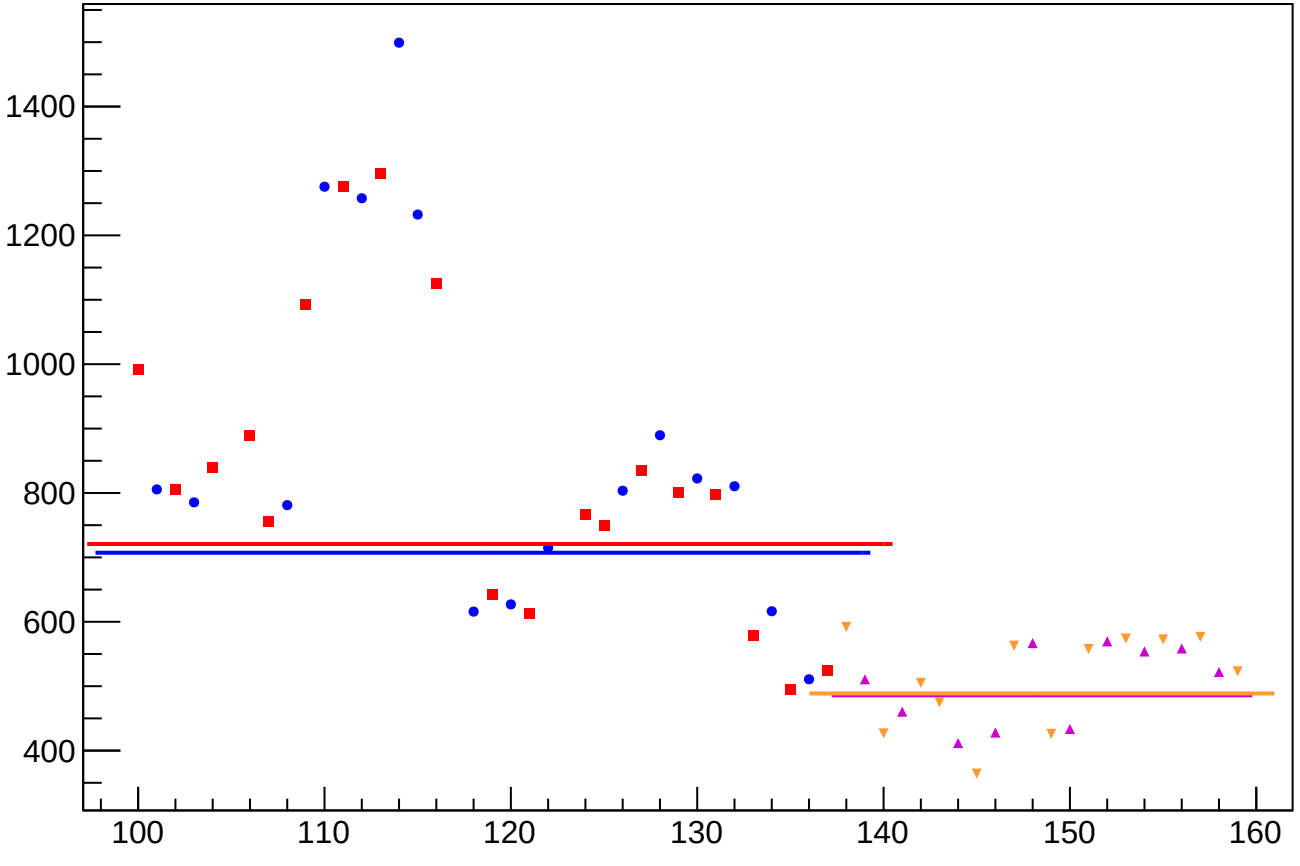
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 280.291+/-142.129 χ^2/NDF:23.3/25

Out: -373.378+/-138.737 χ^2/NDF:32.1/30

All: -54.437+/-99.279 χ^2/NDF: 66.2/56

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.729+/-0.114 χ^2/NDF:479306.3/11

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 485.829+/-0.118 χ^2/NDF:257782.7/9

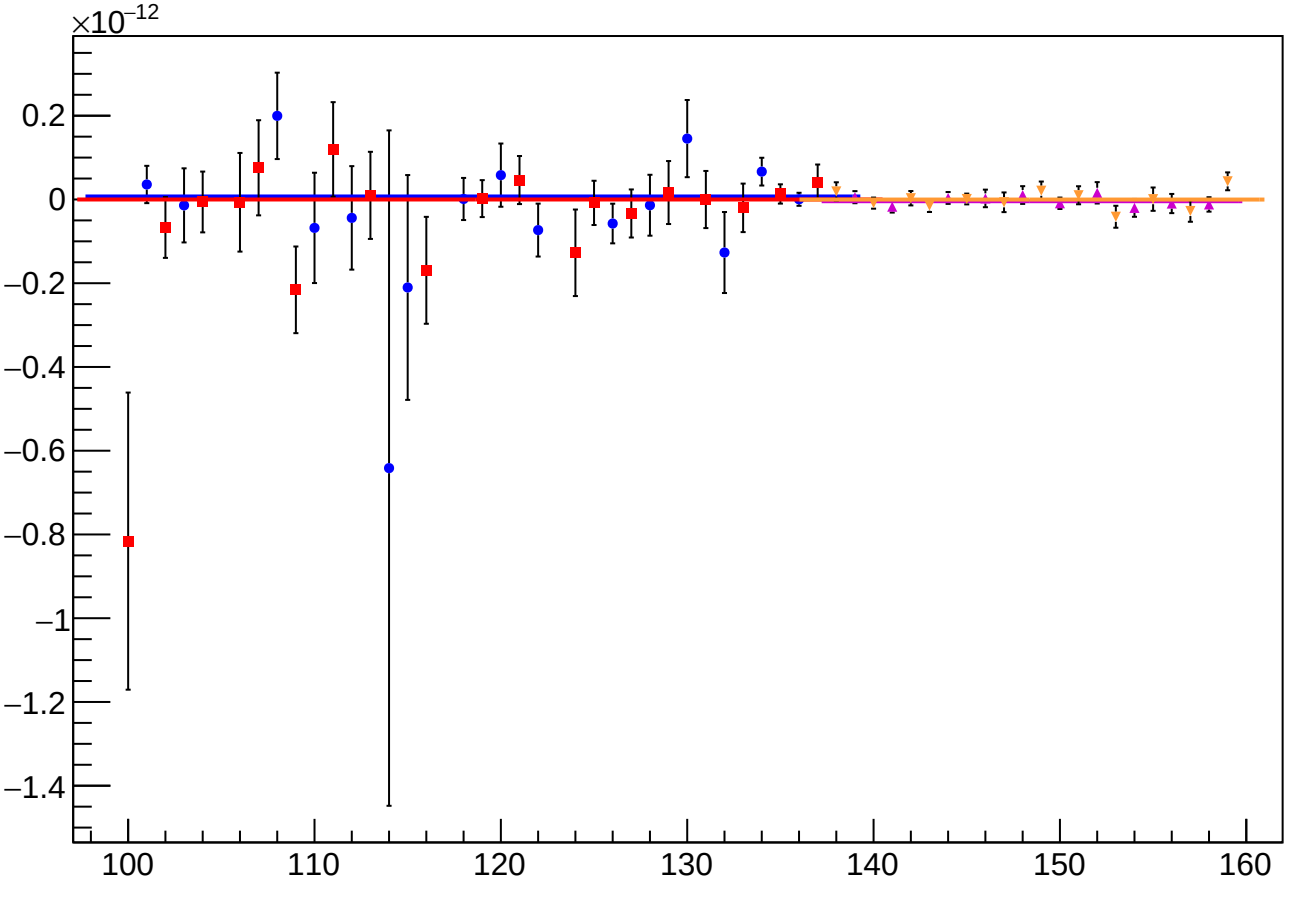
Left: 487.330+/-0.082 χ^2/NDF: 737402.2/21

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.300+/-0.101 χ^2/NDF:2117841.4/25

Out: 548.395+/-0.098 χ^2/NDF:2563310.1/30

All: 547.373+/-0.070 χ^2/NDF: 4681374.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/9

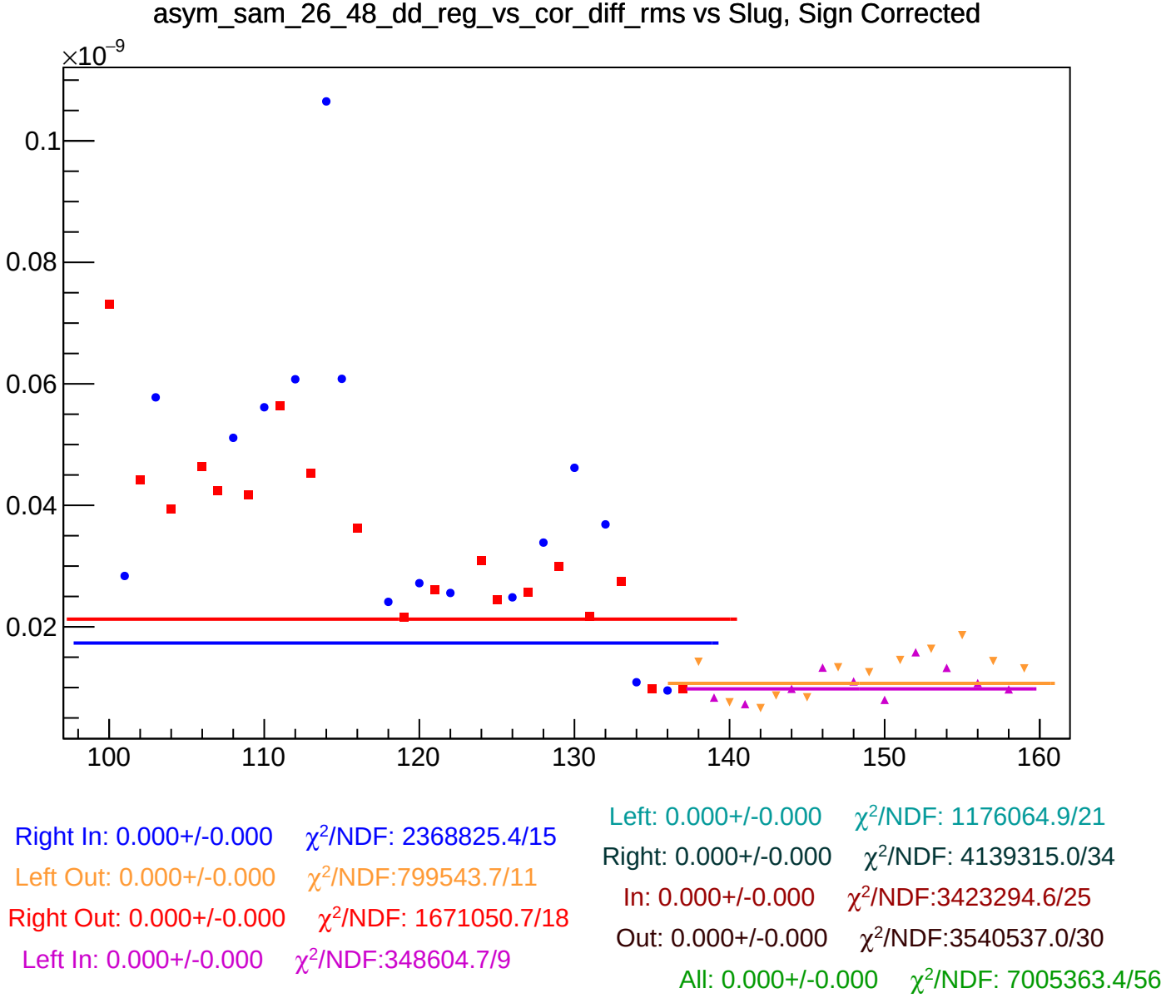
Left: -0.000+/-0.000 χ^2/NDF: 15.1/21

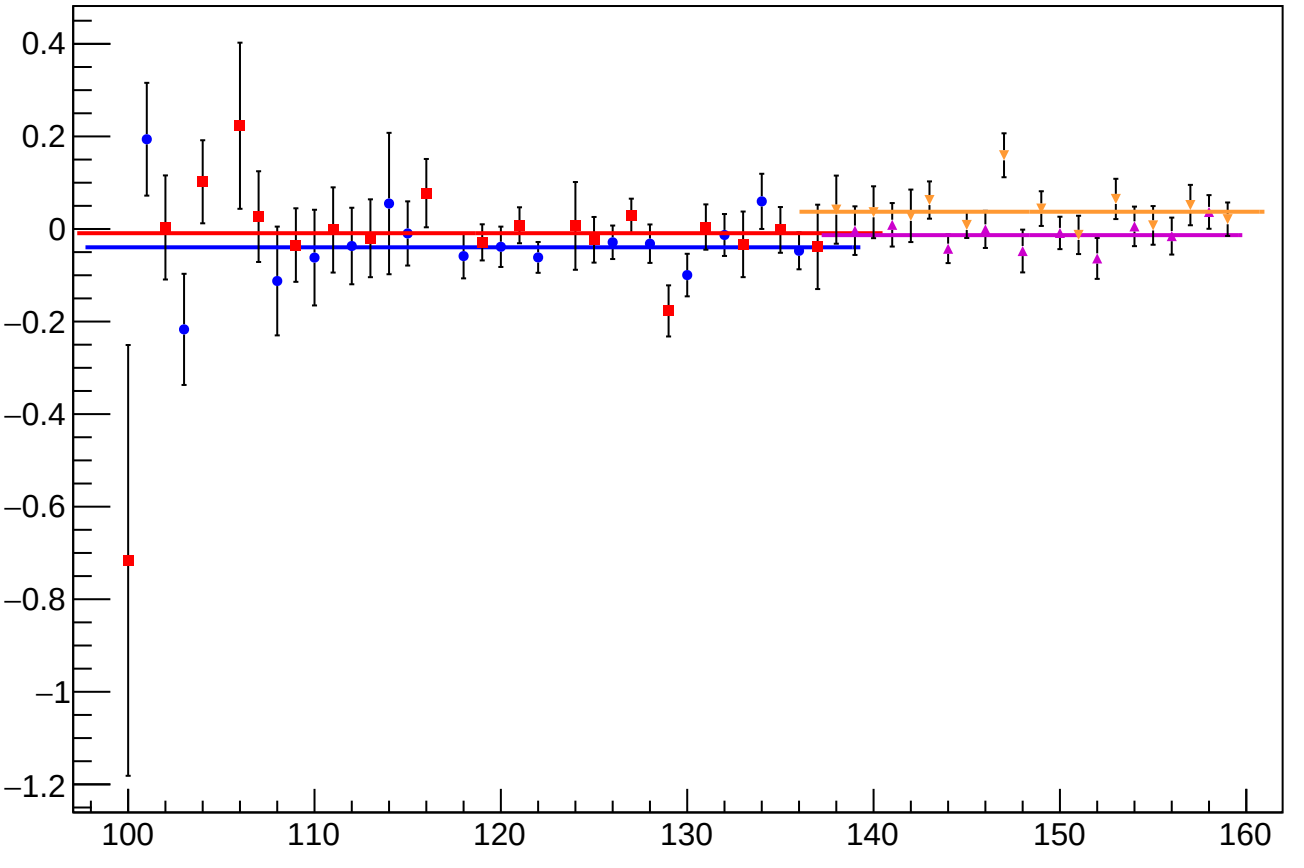
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:21.9/25

Out: -0.000+/-0.000 χ^2/NDF:28.9/30

All: -0.000+/-0.000 χ^2/NDF: 50.9/56


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:799543.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:348604.7/9
Left: 0.000+/-0.000 χ²/NDF: 1176064.9/21
Right: 0.000+/-0.000 χ²/NDF: 4139315.0/34
In: 0.000+/-0.000 χ²/NDF:3423294.6/25
Out: 0.000+/-0.000 χ²/NDF:3540537.0/30
All: 0.000+/-0.000 χ²/NDF: 7005363.4/56



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.3/21

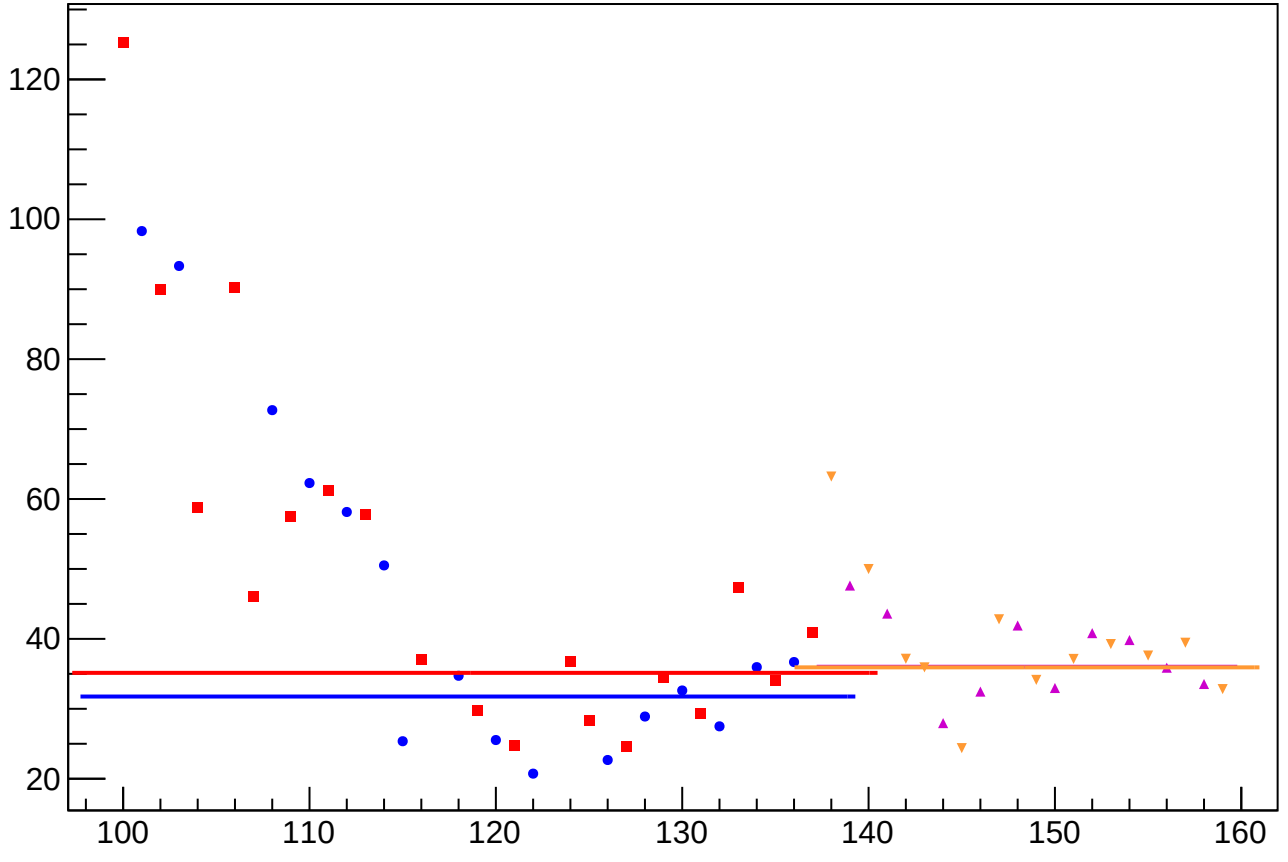
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.018+/-0.009 χ^2/NDF:35.3/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/56

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.926+/-0.009 χ^2/NDF:829388.1/11

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

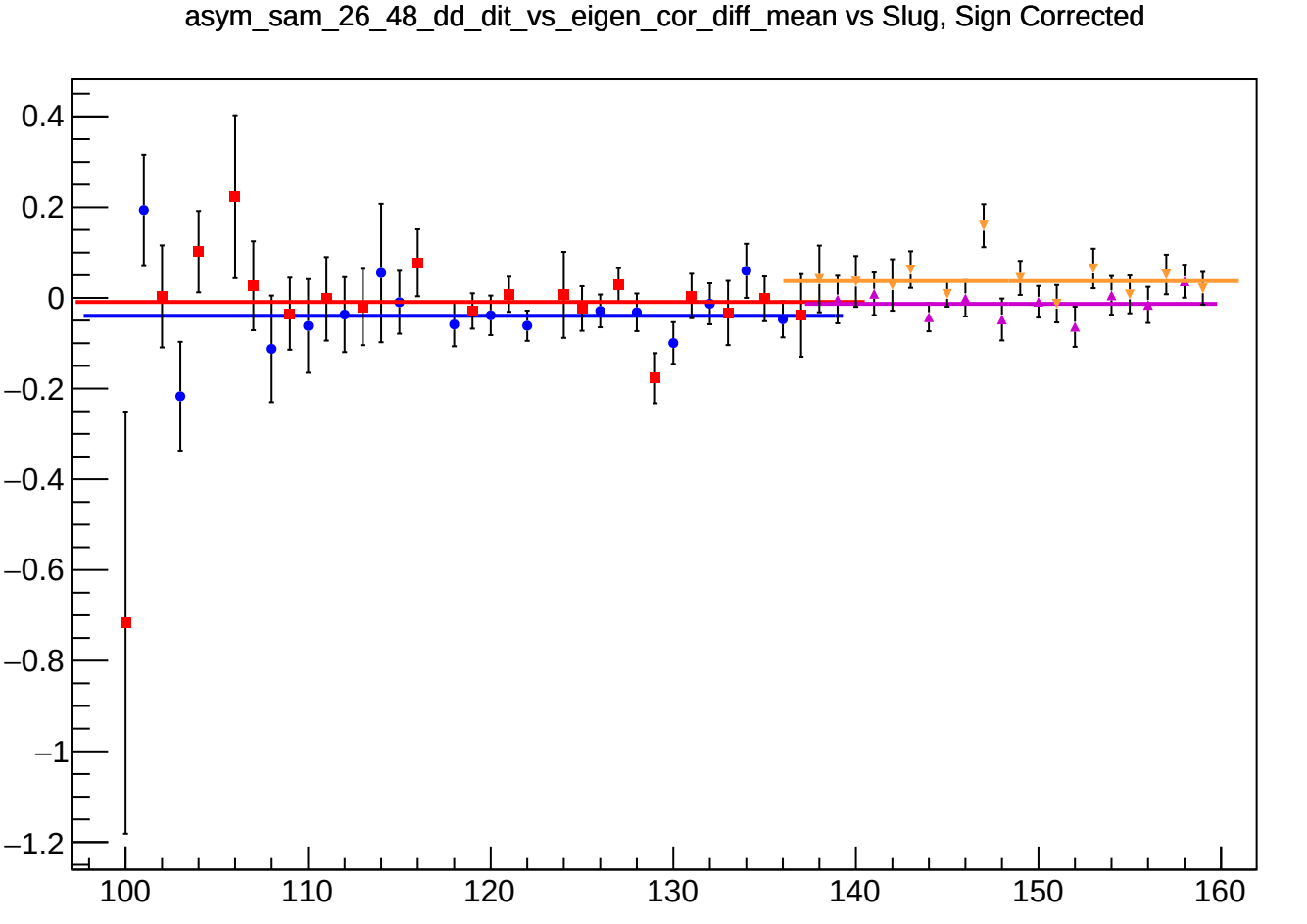
Left: 35.966+/-0.006 χ^2/NDF: 1226208.2/21

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.959+/-0.006 χ^2/NDF:2757434.9/25

Out: 35.594+/-0.007 χ^2/NDF:2677625.7/30

All: 34.771+/-0.005 χ^2/NDF: 5466837.5/56



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.3/21

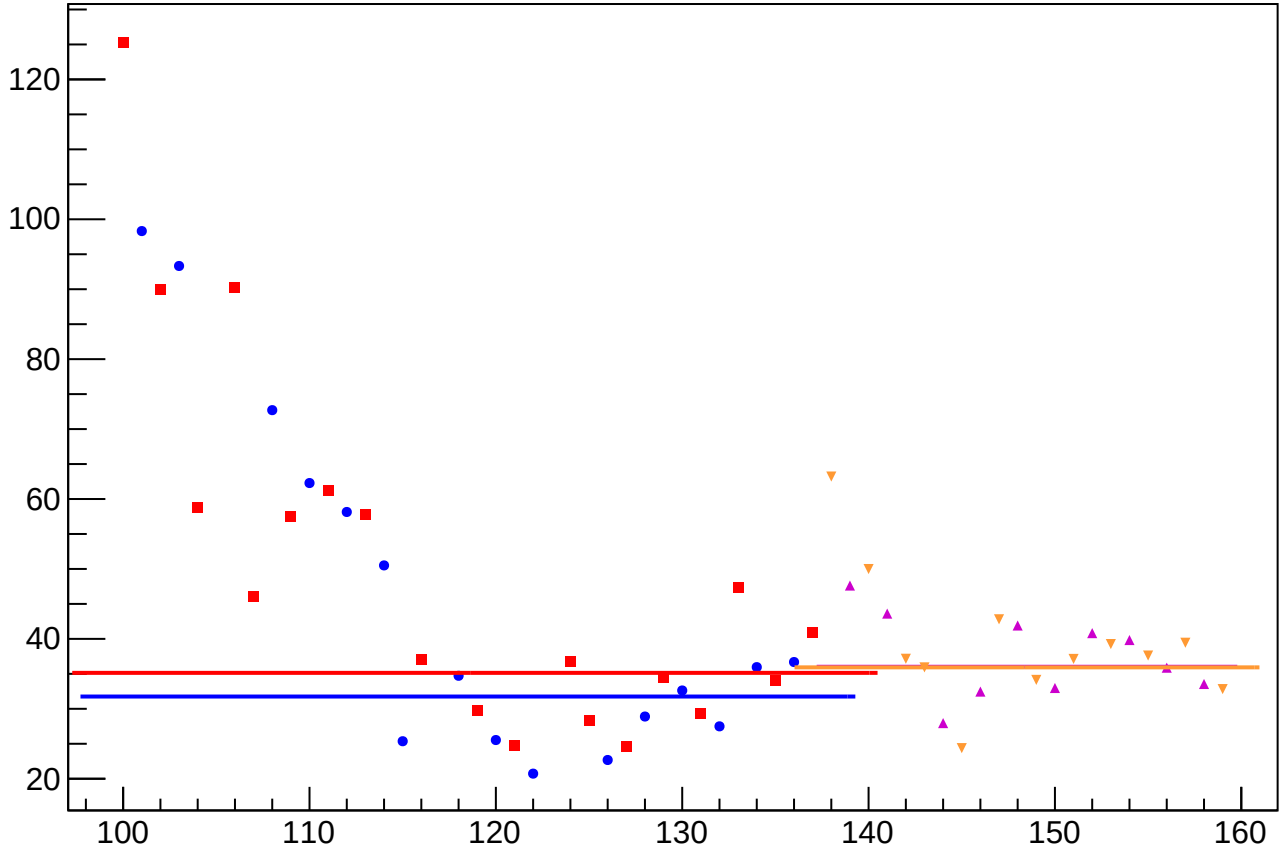
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.018+/-0.009 χ^2/NDF:35.3/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/56

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: 35.926+/-0.009 χ^2/NDF:829388.1/11

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

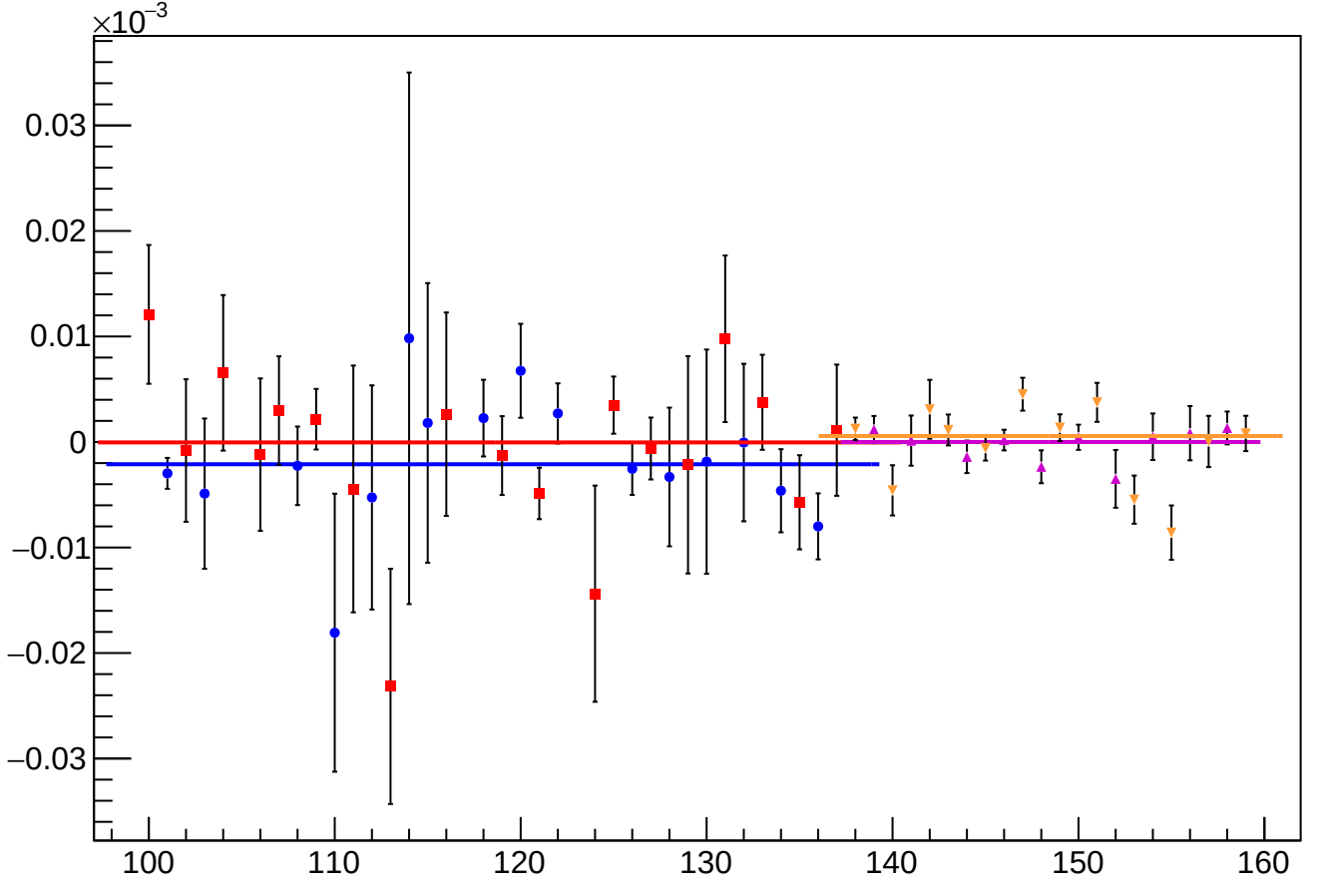
Left: 35.966+/-0.006 χ^2/NDF: 1226208.2/21

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.959+/-0.006 χ^2/NDF:2757434.9/25

Out: 35.594+/-0.007 χ^2/NDF:2677625.7/30

All: 34.771+/-0.005 χ^2/NDF: 5466837.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

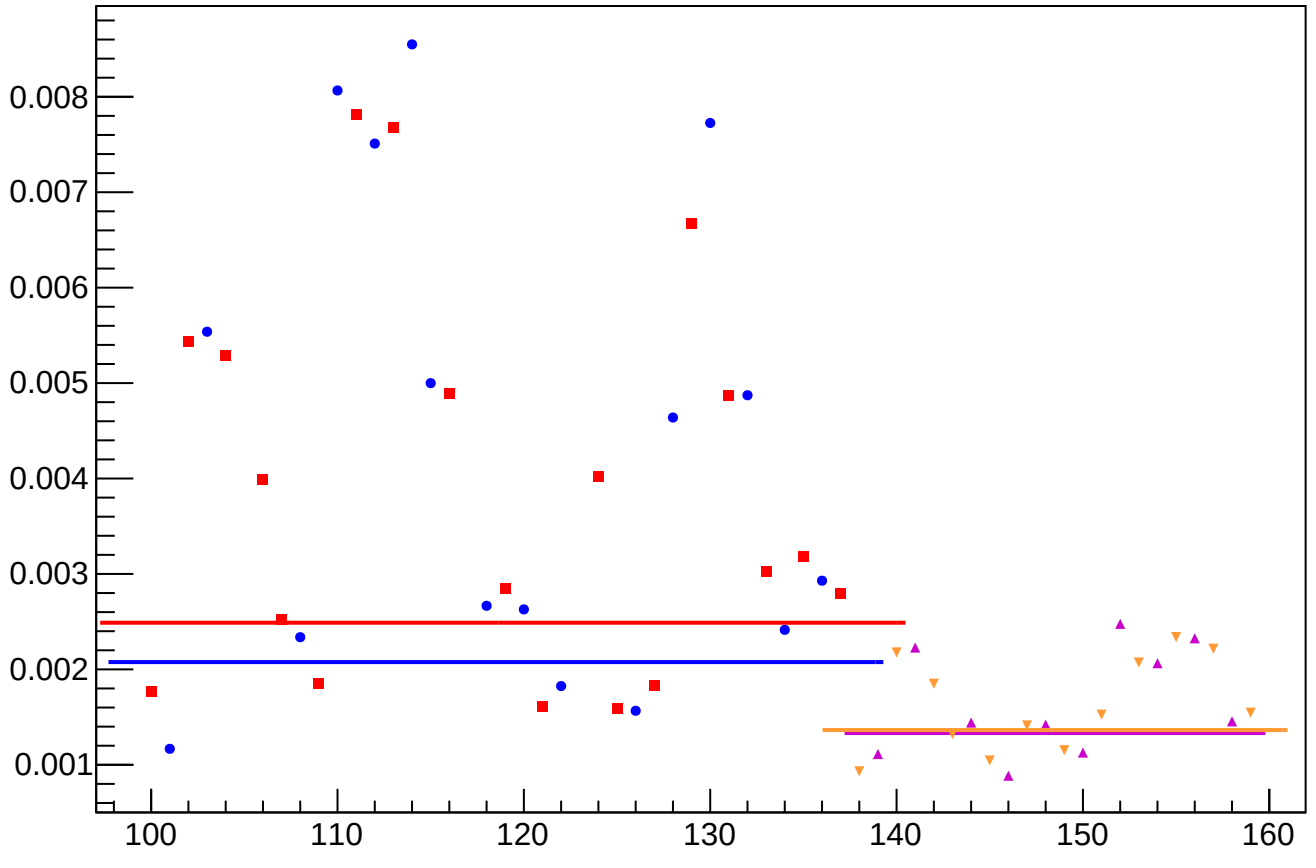
Left: 0.000+/-0.000 χ^2/NDF: 43.9/21

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:25.5/25

Out: 0.000+/-0.000 χ^2/NDF:58.2/30

All: -0.000+/-0.000 χ^2/NDF: 86.1/56



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1594492.5/11

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1717658.3/9

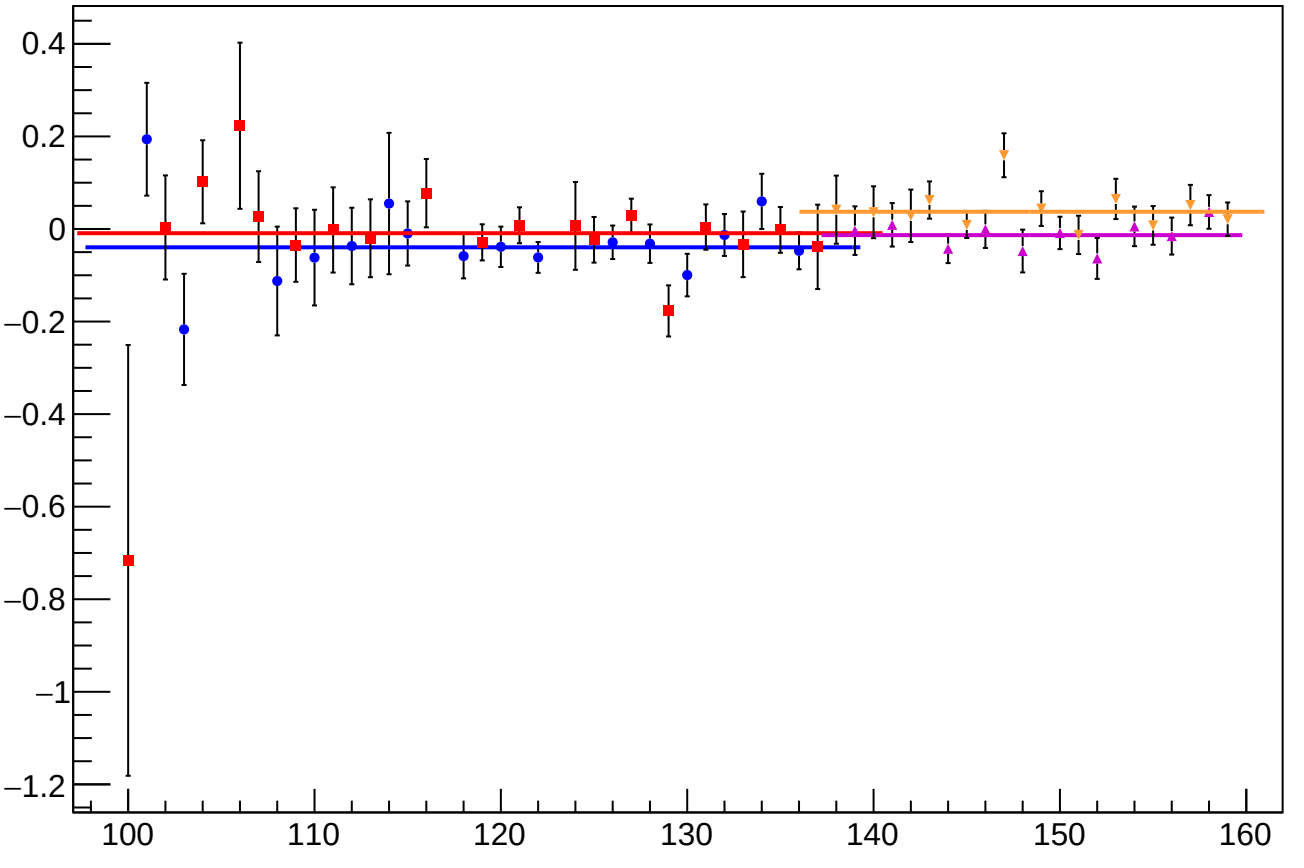
Left: 0.001+/-0.000 χ^2/NDF: 3316531.7/21

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6676237.4/25

Out: 0.002+/-0.000 χ^2/NDF:6625742.8/30

All: 0.002+/-0.000 χ^2/NDF: 13318926.3/56



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.3/21

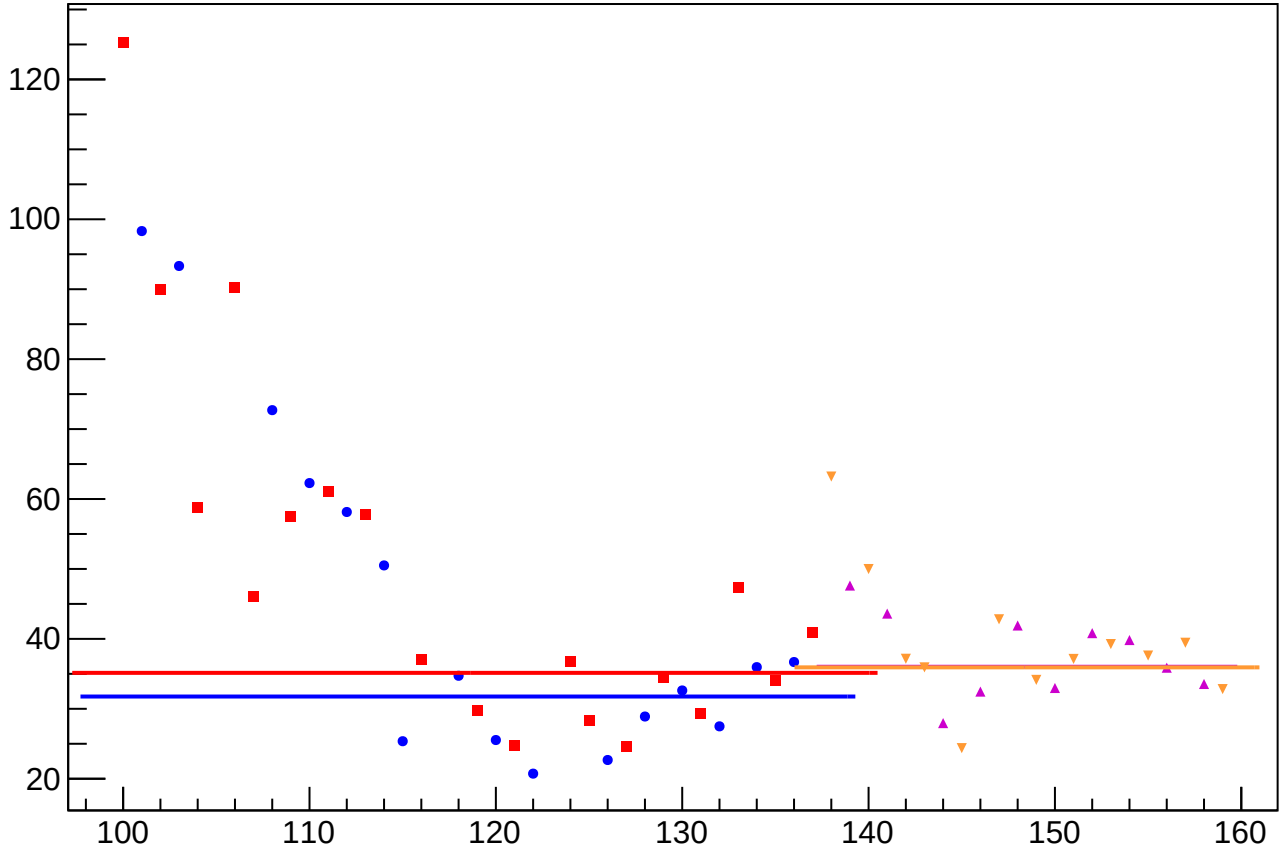
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.018+/-0.009 χ^2/NDF:35.2/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/56

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.926+/-0.009 χ^2/NDF:829416.5/11

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

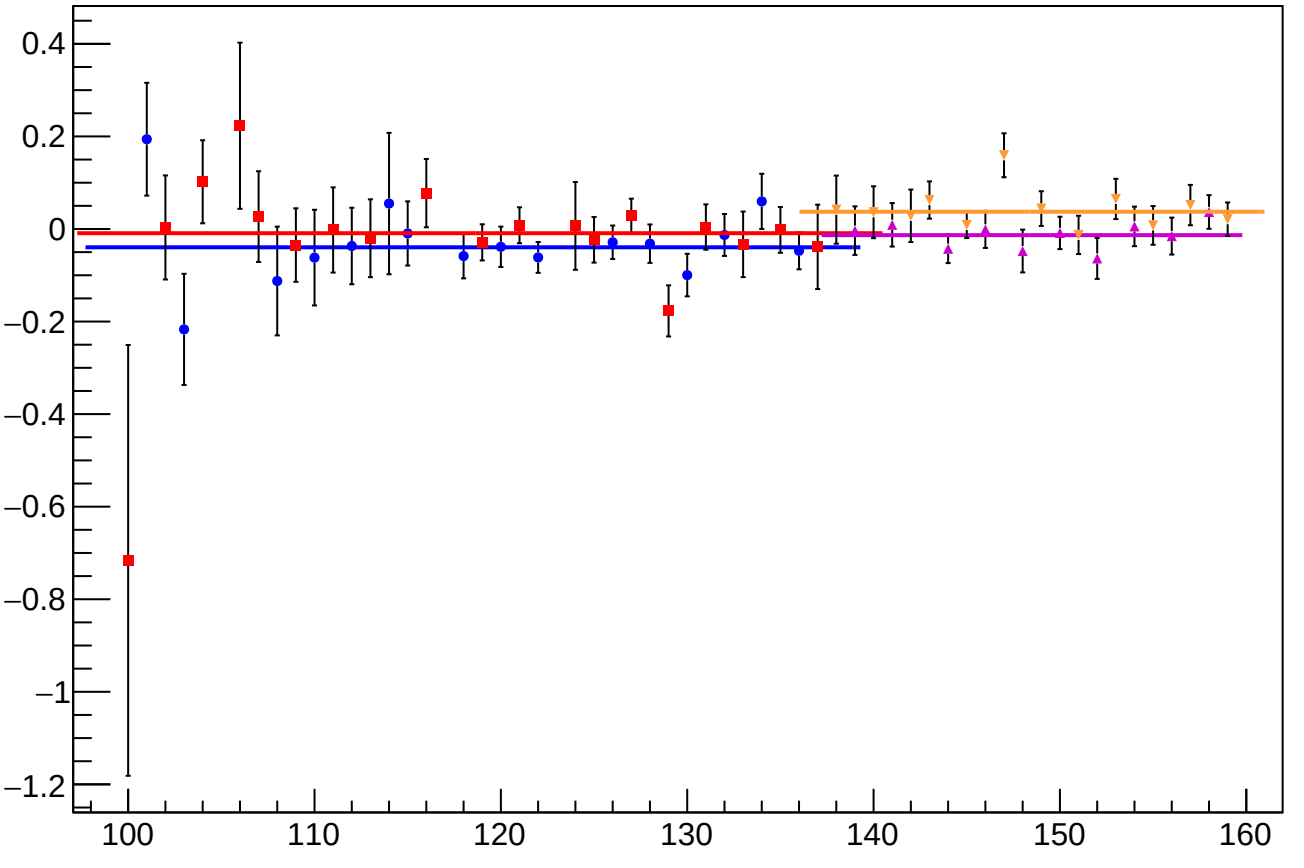
Left: 35.967+/-0.006 χ^2/NDF: 1226230.8/21

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.959+/-0.006 χ^2/NDF:2757390.0/25

Out: 35.594+/-0.007 χ^2/NDF:2677546.7/30

All: 34.771+/-0.005 χ^2/NDF: 5466713.4/56



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.3/21

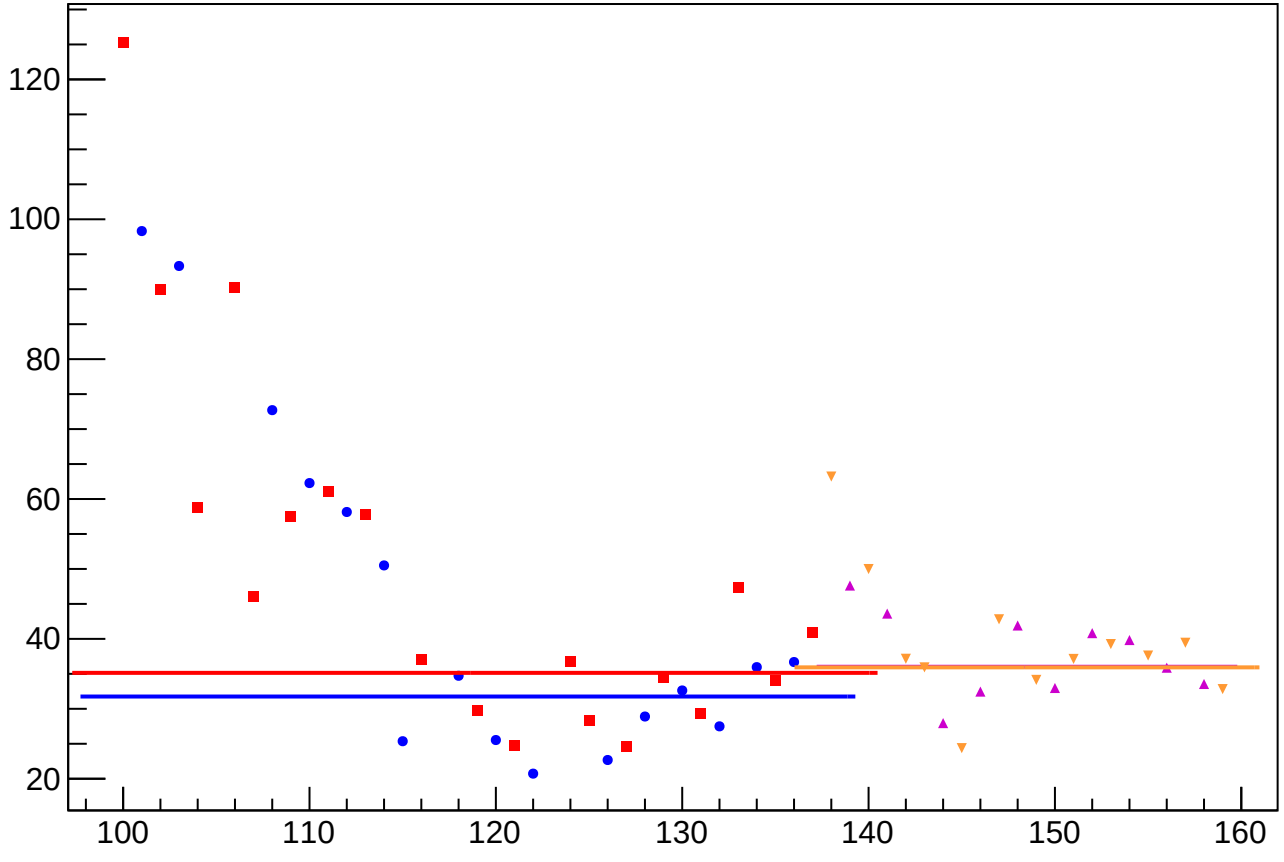
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.018+/-0.009 χ^2/NDF:35.2/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/56

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: 35.926+/-0.009 χ^2/NDF:829416.5/11

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

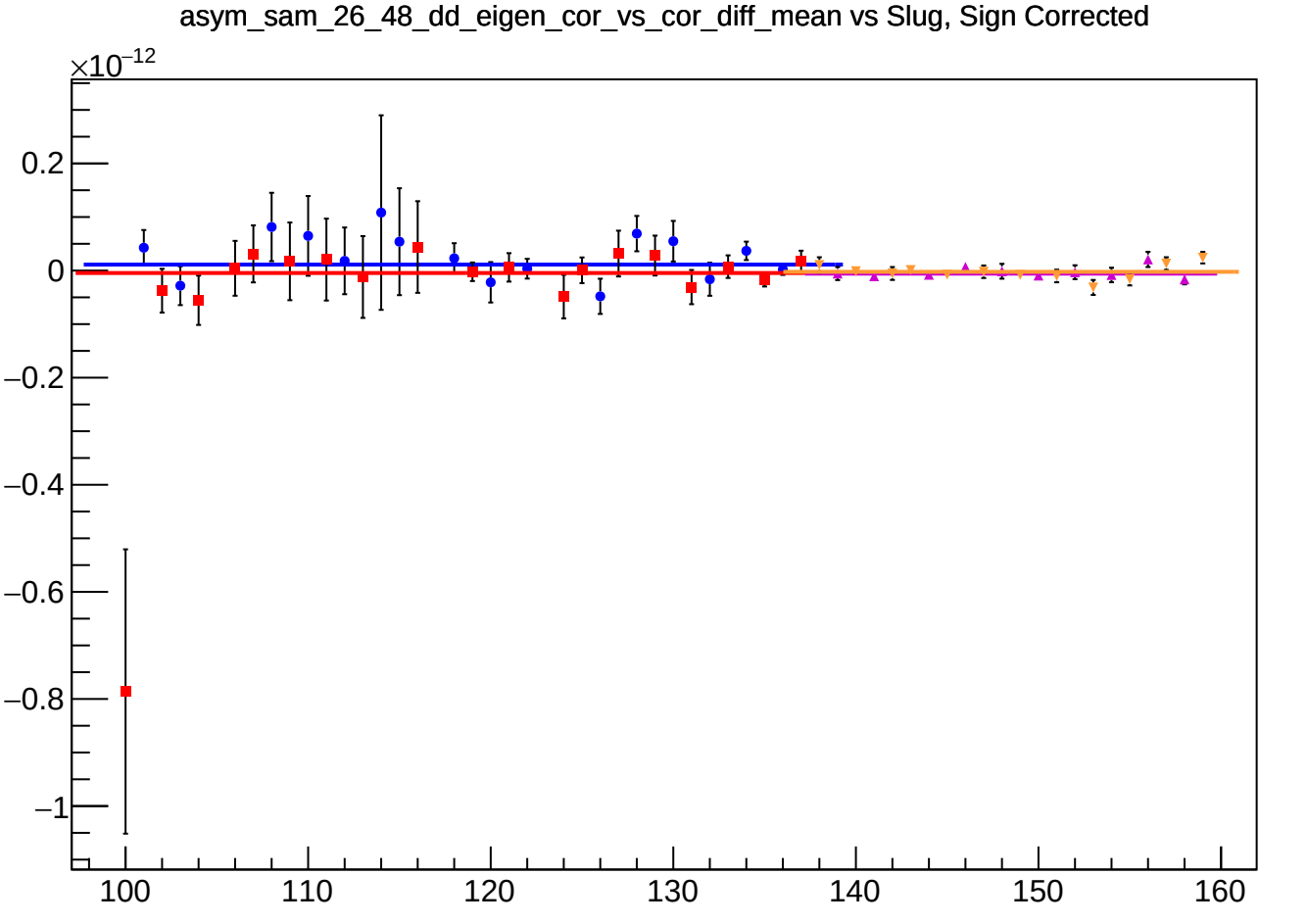
Left: 35.967+/-0.006 χ^2/NDF: 1226230.8/21

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.959+/-0.006 χ^2/NDF:2757390.0/25

Out: 35.594+/-0.007 χ^2/NDF:2677546.7/30

All: 34.771+/-0.005 χ^2/NDF: 5466713.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/9

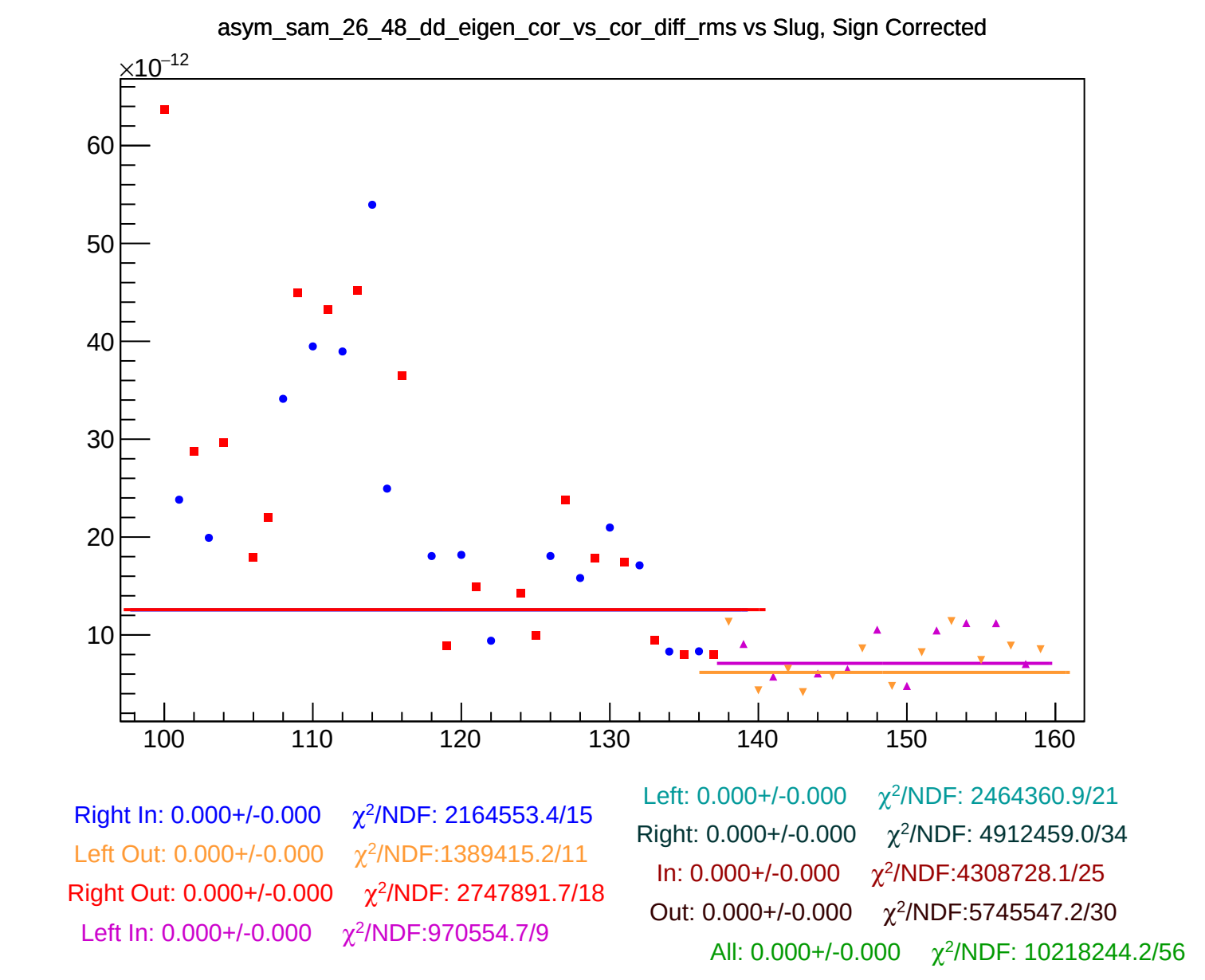
Left: -0.000+/-0.000 χ^2/NDF: 24.5/21

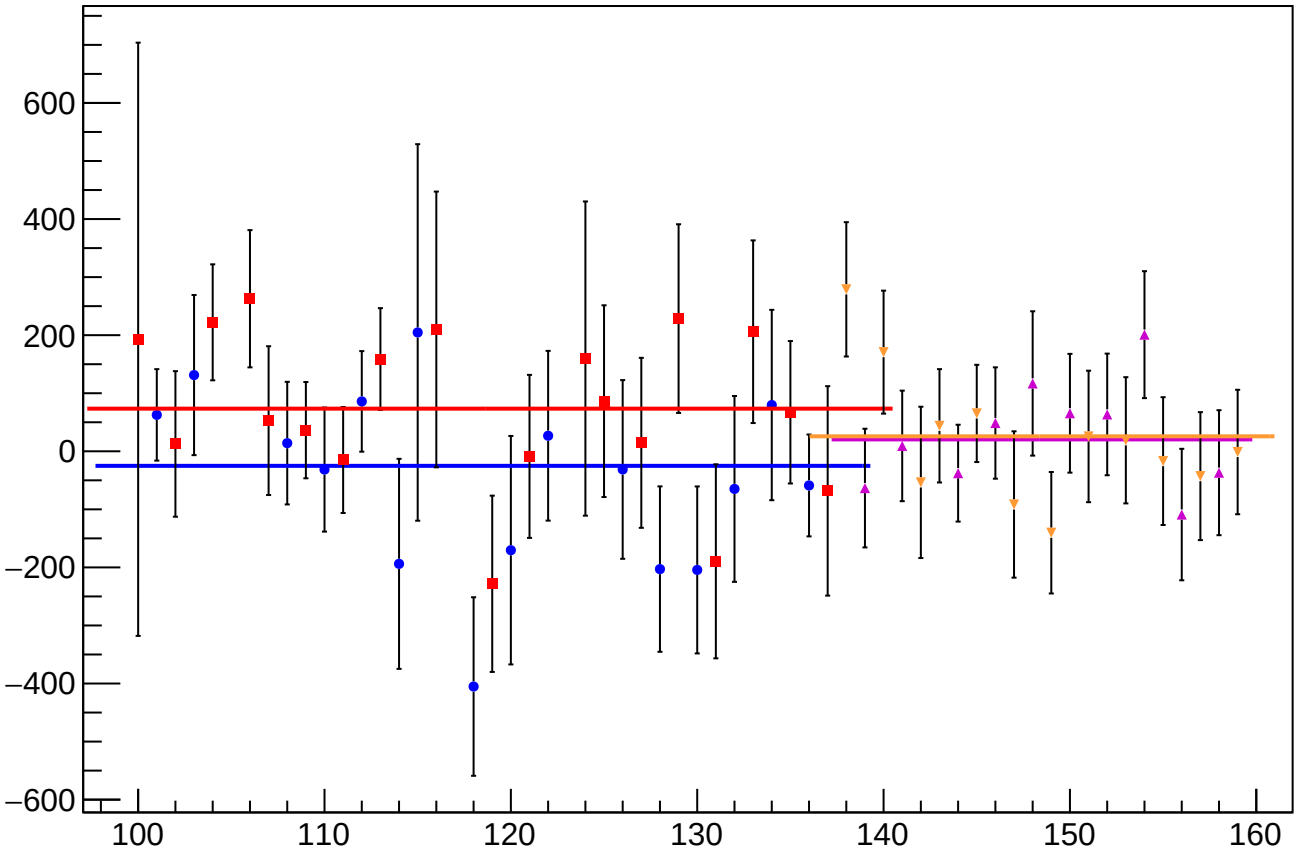
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:30.3/25

Out: -0.000+/-0.000 χ^2/NDF:33.6/30

All: -0.000+/-0.000 χ^2/NDF: 63.9/56


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
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1389415.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:970554.7/9
Left: 0.000+/-0.000 χ²/NDF: 2464360.9/21
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4308728.1/25
Out: 0.000+/-0.000 χ²/NDF:5745547.2/30
All: 0.000+/-0.000 χ²/NDF: 10218244.2/56



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 25.794+/-31.020 χ^2/NDF:11.3/11

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 20.439+/-32.309 χ^2/NDF:6.5/9

Left: 23.225+/-22.376 χ^2/NDF: 17.8/21

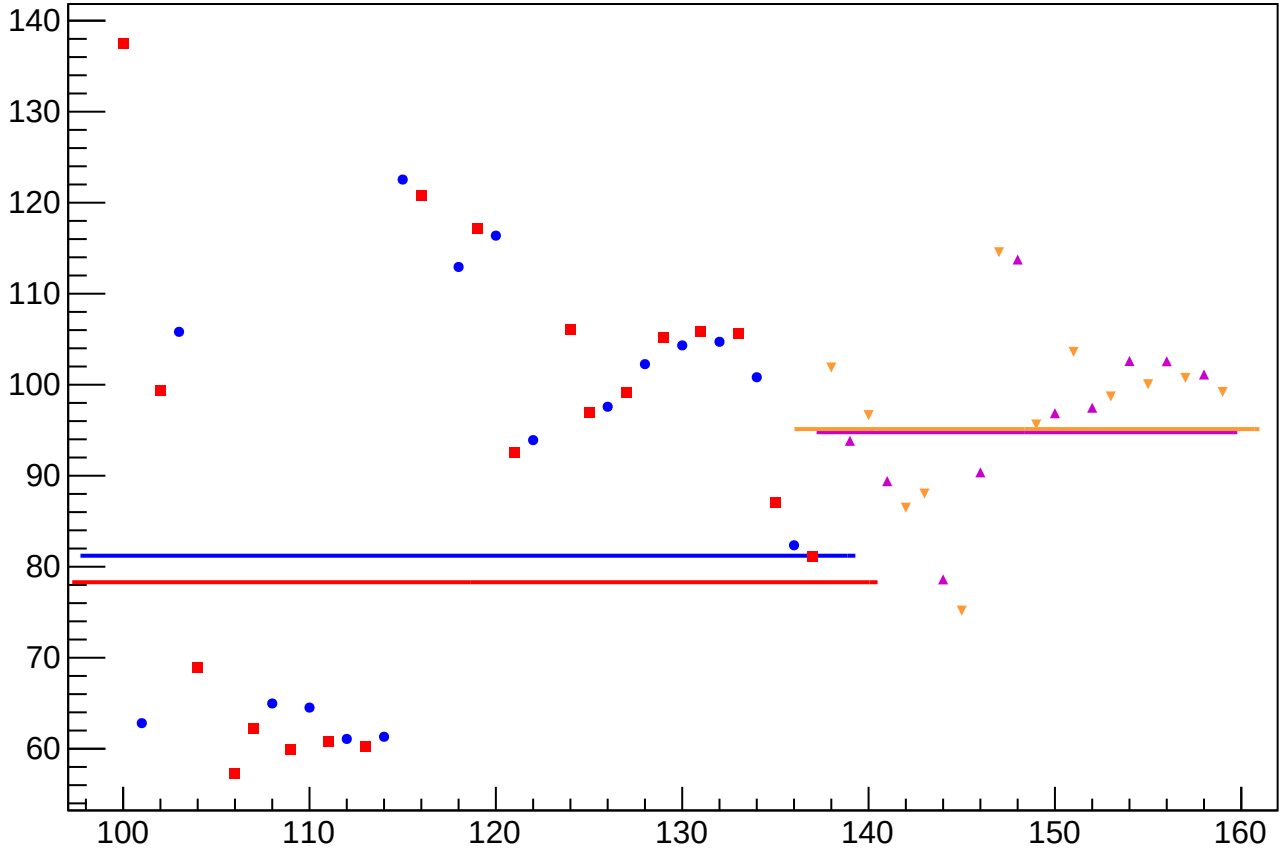
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -3.090+/-22.455 χ^2/NDF:23.8/25

Out: 50.474+/-21.541 χ^2/NDF:29.3/30

All: 24.805+/-15.545 χ^2/NDF: 56.0/56

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 95.127+/-0.022 χ^2/NDF:213213.4/11

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

Left: 94.960+/-0.016 χ^2/NDF: 374721.8/21

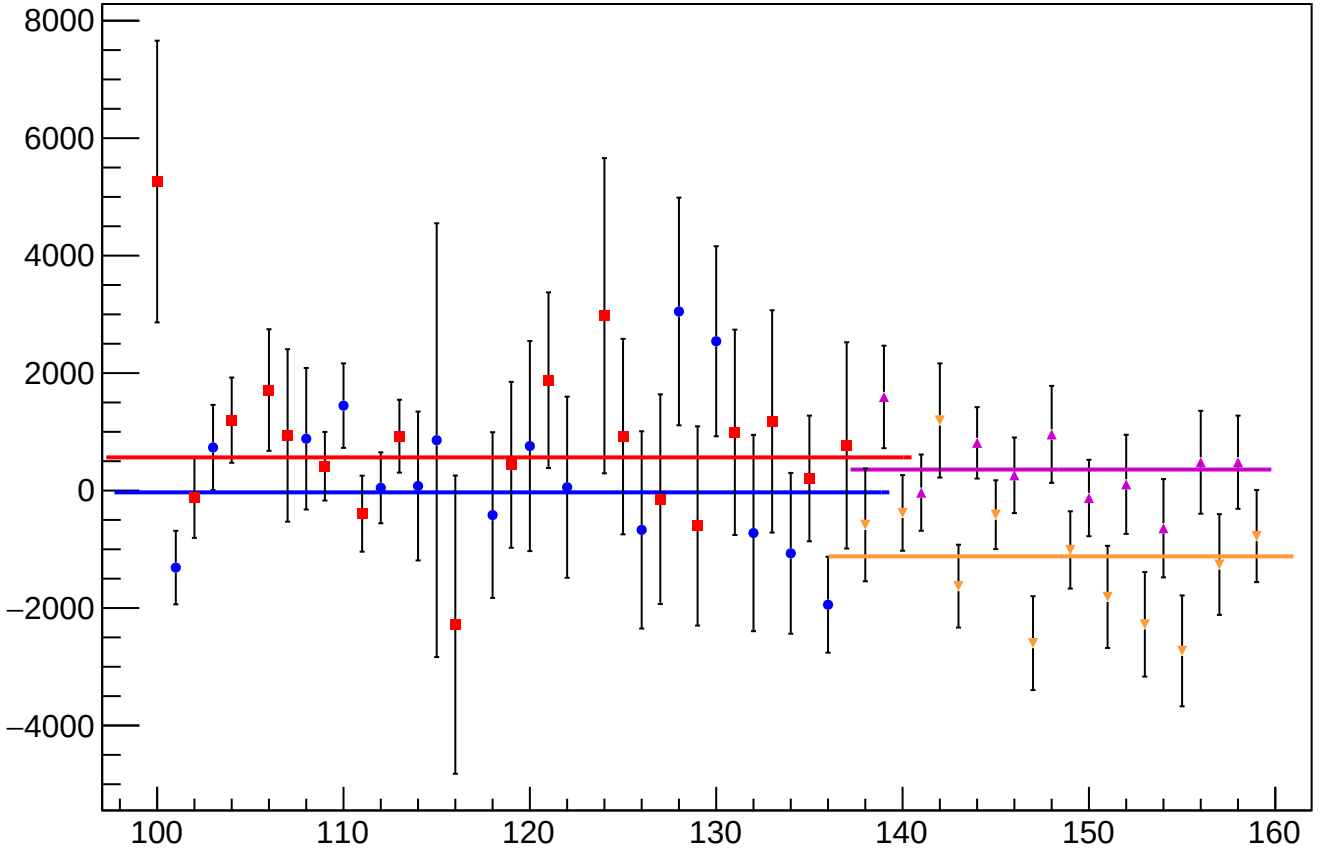
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 87.764+/-0.016 χ^2/NDF:1131462.5/25

Out: 86.413+/-0.015 χ^2/NDF:1452684.9/30

All: 87.060+/-0.011 χ^2/NDF: 2587919.7/56

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: -1120.422+/-223.317 χ^2/NDF:18.2/11

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 357.805+/-233.360 χ^2/NDF:5.6/9

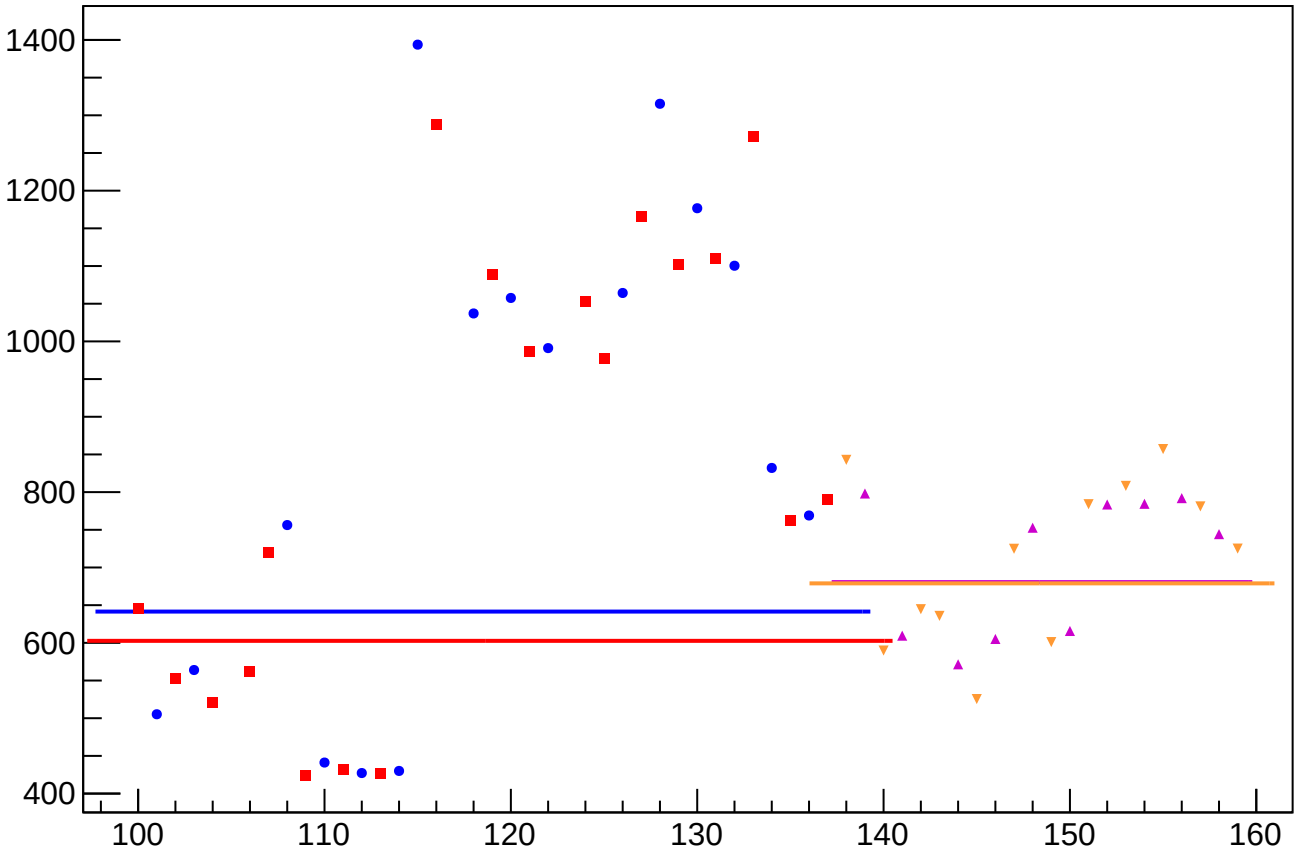
Left: -413.801+/-161.343 χ^2/NDF: 44.7/21

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 182.371+/-172.765 χ^2/NDF:28.7/25

Out: -333.086+/-163.010 χ^2/NDF:58.1/30

All: -90.320+/-118.564 χ^2/NDF: 91.5/56



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 678.922+/-0.158 χ^2/NDF:456699.4/11

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 680.630+/-0.165 χ^2/NDF:293164.8/9

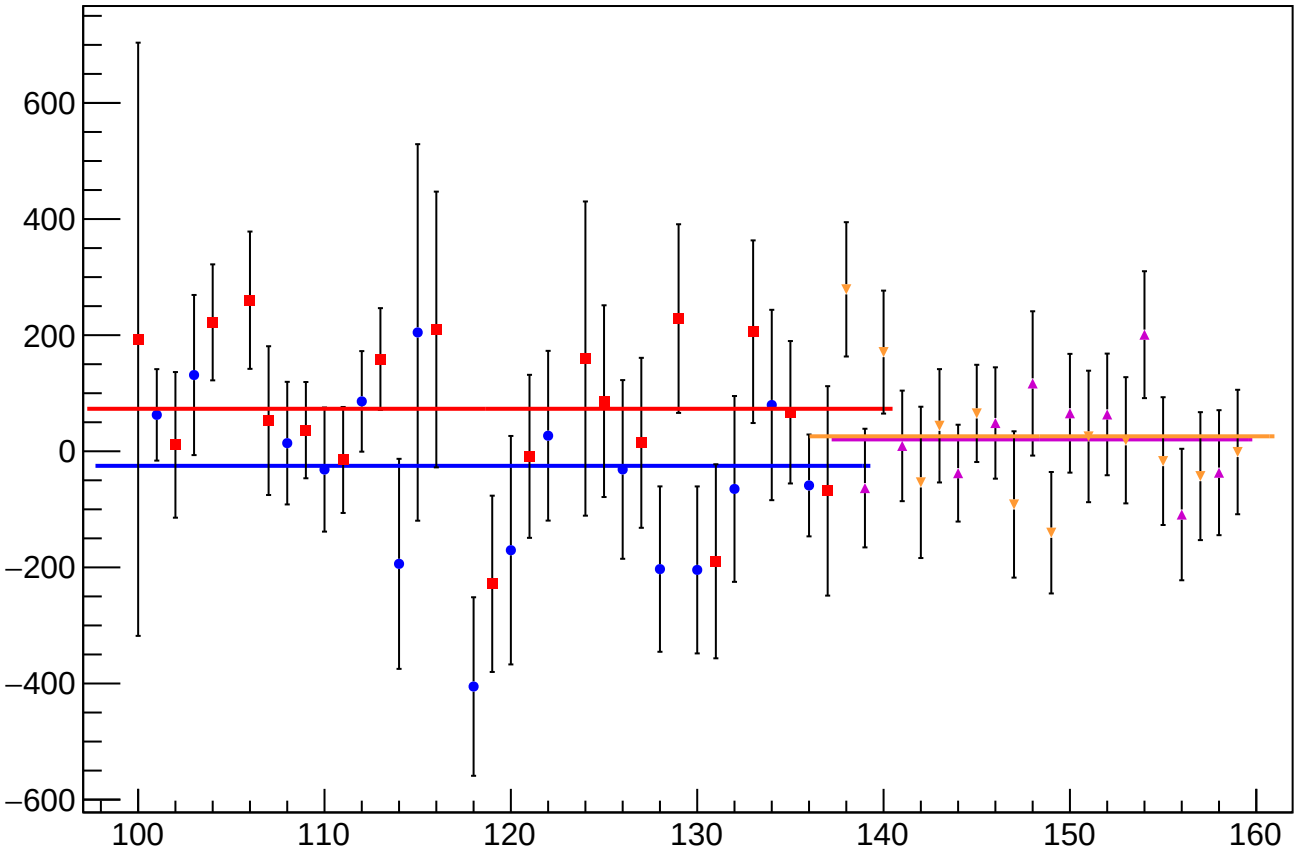
Left: 679.738+/-0.114 χ^2/NDF: 749920.2/21

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 662.946+/-0.122 χ^2/NDF:2193570.1/25

Out: 643.291+/-0.115 χ^2/NDF:2635988.2/30

All: 652.548+/-0.084 χ^2/NDF: 4843253.1/56



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 25.794+/-31.020 χ^2/NDF:11.3/11

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 20.440+/-32.309 χ^2/NDF:6.5/9

Left: 23.226+/-22.376 χ^2/NDF: 17.8/21

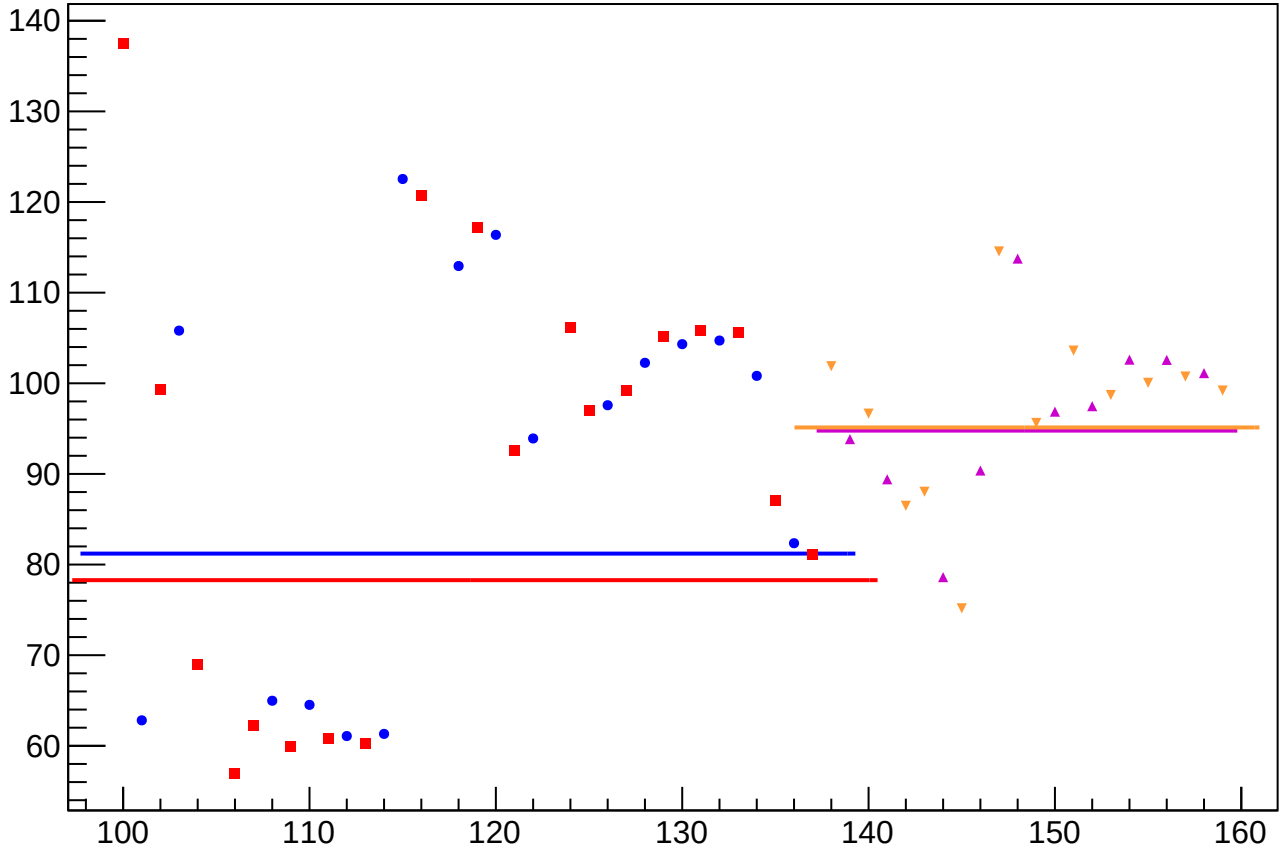
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -3.091+/-22.455 χ^2/NDF:23.8/25

Out: 50.336+/-21.541 χ^2/NDF:29.2/30

All: 24.731+/-15.545 χ^2/NDF: 55.9/56

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 95.127+/-0.022 χ^2/NDF:213213.4/11

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

Left: 94.960+/-0.016 χ^2/NDF: 374721.8/21

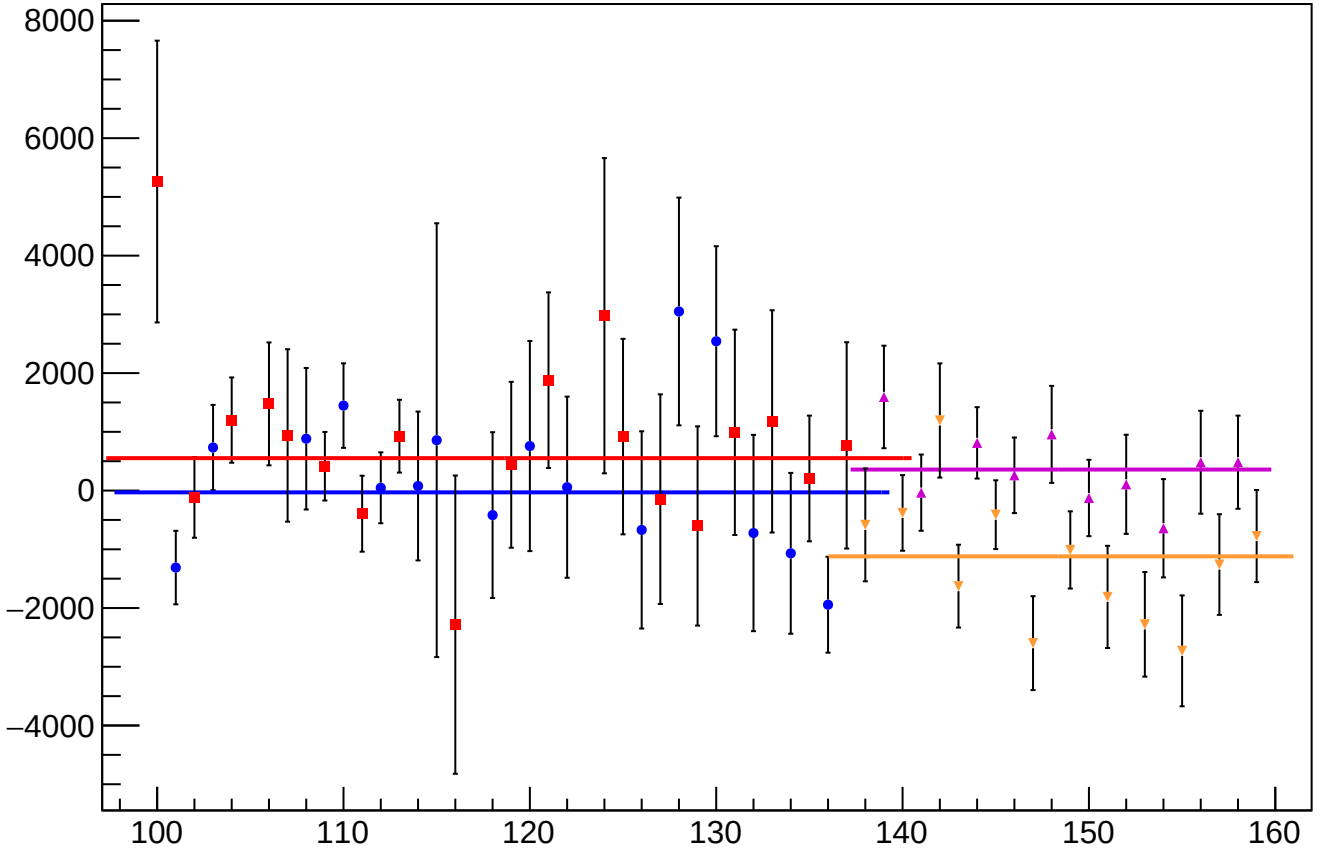
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 87.764+/-0.016 χ^2/NDF:1131464.4/25

Out: 86.404+/-0.015 χ^2/NDF:1455480.9/30

All: 87.056+/-0.011 χ^2/NDF: 2590768.7/56

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1120.420+/-223.317 χ^2/NDF:18.2/11

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 357.810+/-233.360 χ^2/NDF:5.6/9

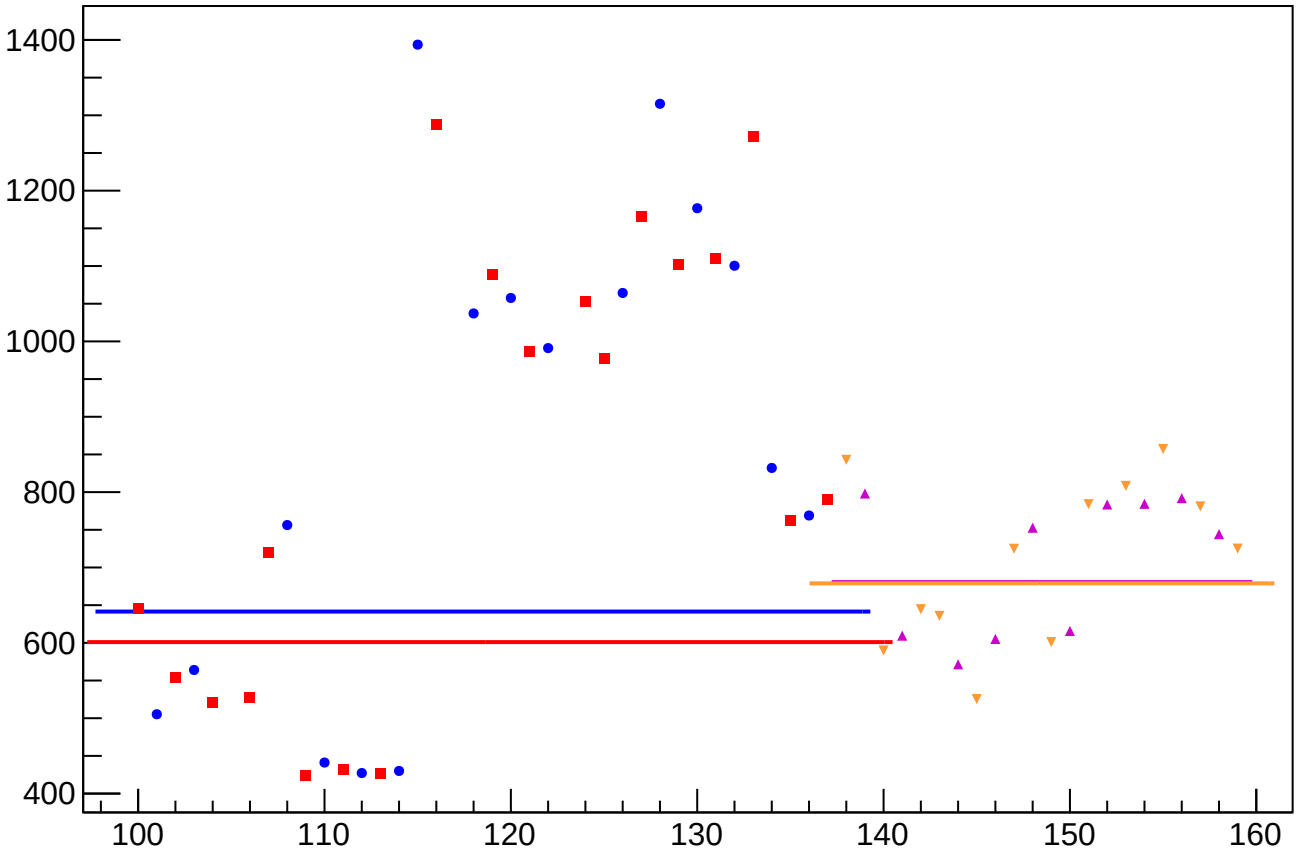
Left: -413.798+/-161.343 χ^2/NDF: 44.7/21

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.364+/-172.766 χ^2/NDF:28.7/25

Out: -339.648+/-163.057 χ^2/NDF:57.2/30

All: -93.721+/-118.582 χ^2/NDF: 90.7/56



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 678.922+/-0.158 χ^2/NDF:456701.3/11

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

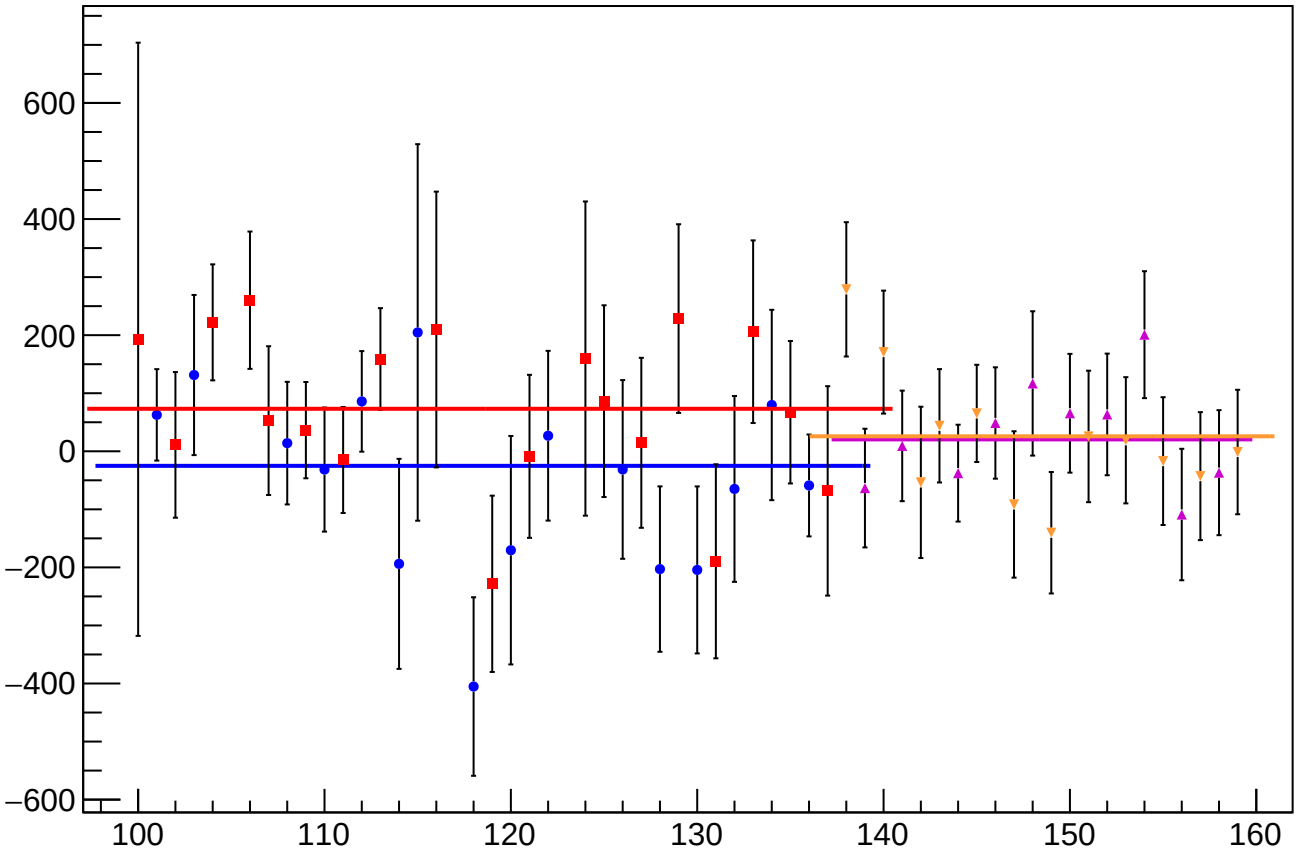
Left: 679.738+/-0.114 χ^2/NDF: 749919.9/21

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 662.951+/-0.122 χ^2/NDF:2193515.4/25

Out: 642.531+/-0.115 χ^2/NDF:2647688.4/30

All: 652.151+/-0.084 χ^2/NDF: 4855980.4/56



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 25.794+/-31.020 χ^2/NDF:11.3/11

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 20.440+/-32.309 χ^2/NDF:6.5/9

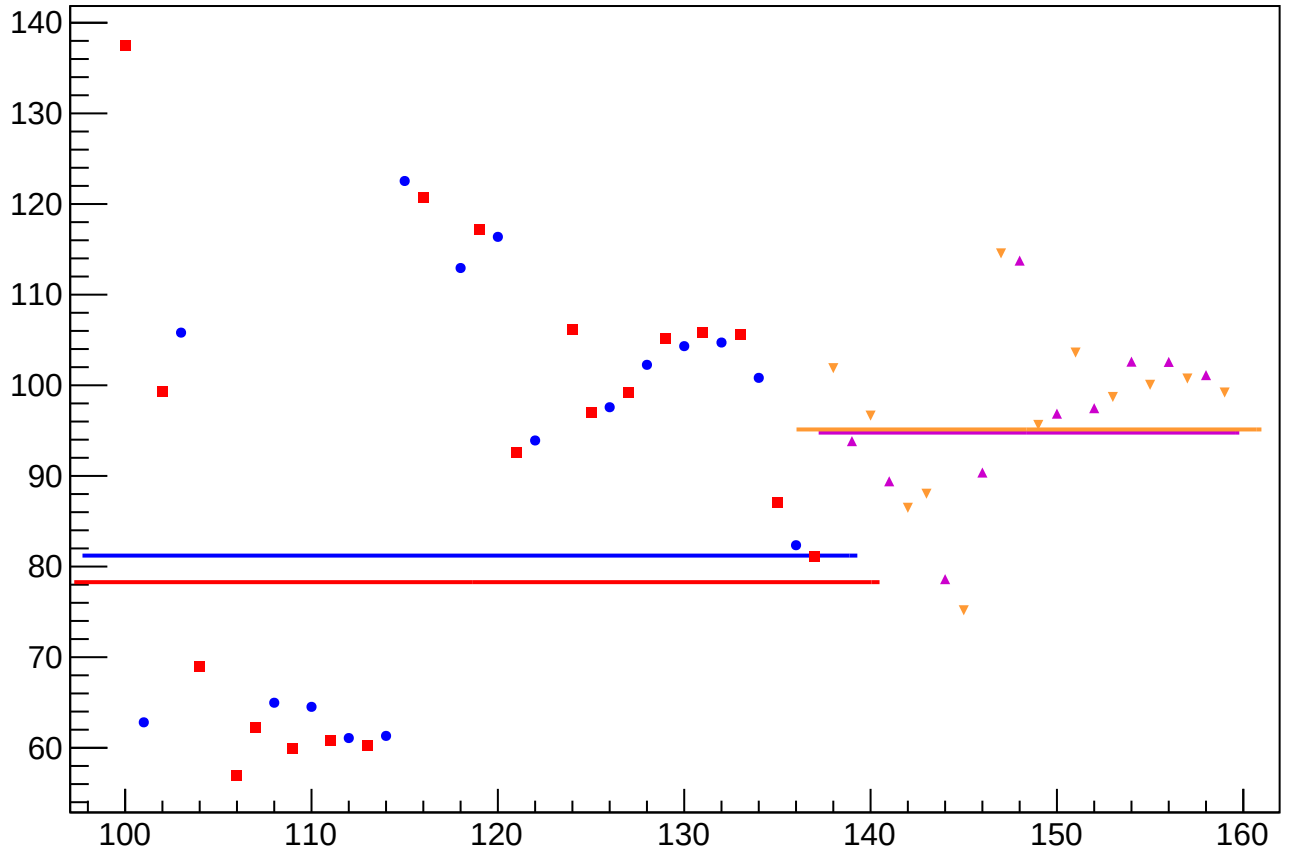
Left: 23.226+/-22.376 χ^2/NDF: 17.8/21

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -3.091+/-22.455 χ^2/NDF:23.8/25

Out: 50.336+/-21.541 χ^2/NDF:29.2/30

All: 24.731+/-15.545 χ^2/NDF: 55.9/56



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 95.127+/-0.022 χ^2/NDF:213213.4/11

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

Left: 94.960+/-0.016 χ^2/NDF: 374721.8/21

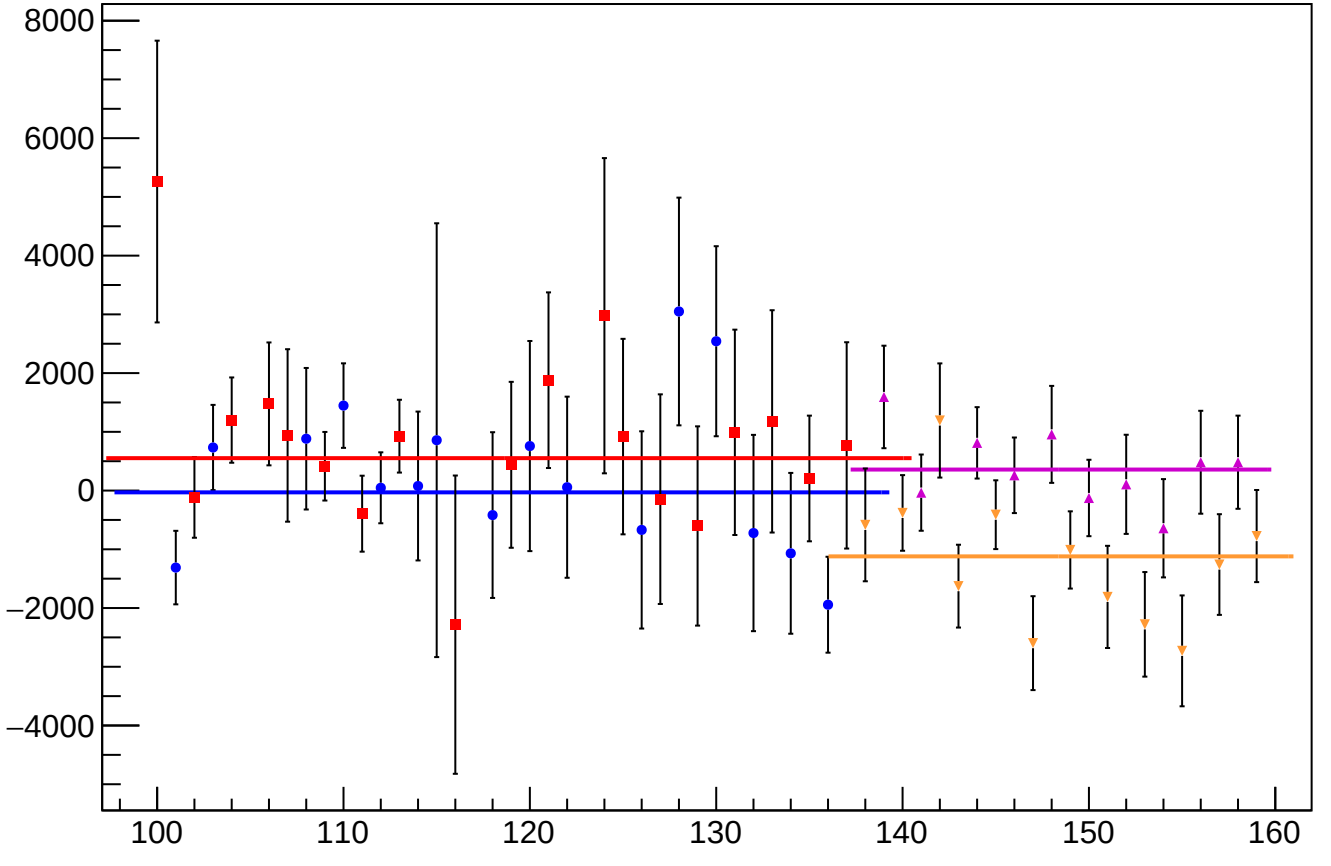
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 87.764+/-0.016 χ^2/NDF:1131464.4/25

Out: 86.404+/-0.015 χ^2/NDF:1455480.9/30

All: 87.056+/-0.011 χ^2/NDF: 2590768.7/56

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: -1120.420+/-223.317 χ^2/NDF:18.2/11

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 357.810+/-233.360 χ^2/NDF:5.6/9

Left: -413.798+/-161.343 χ^2/NDF: 44.7/21

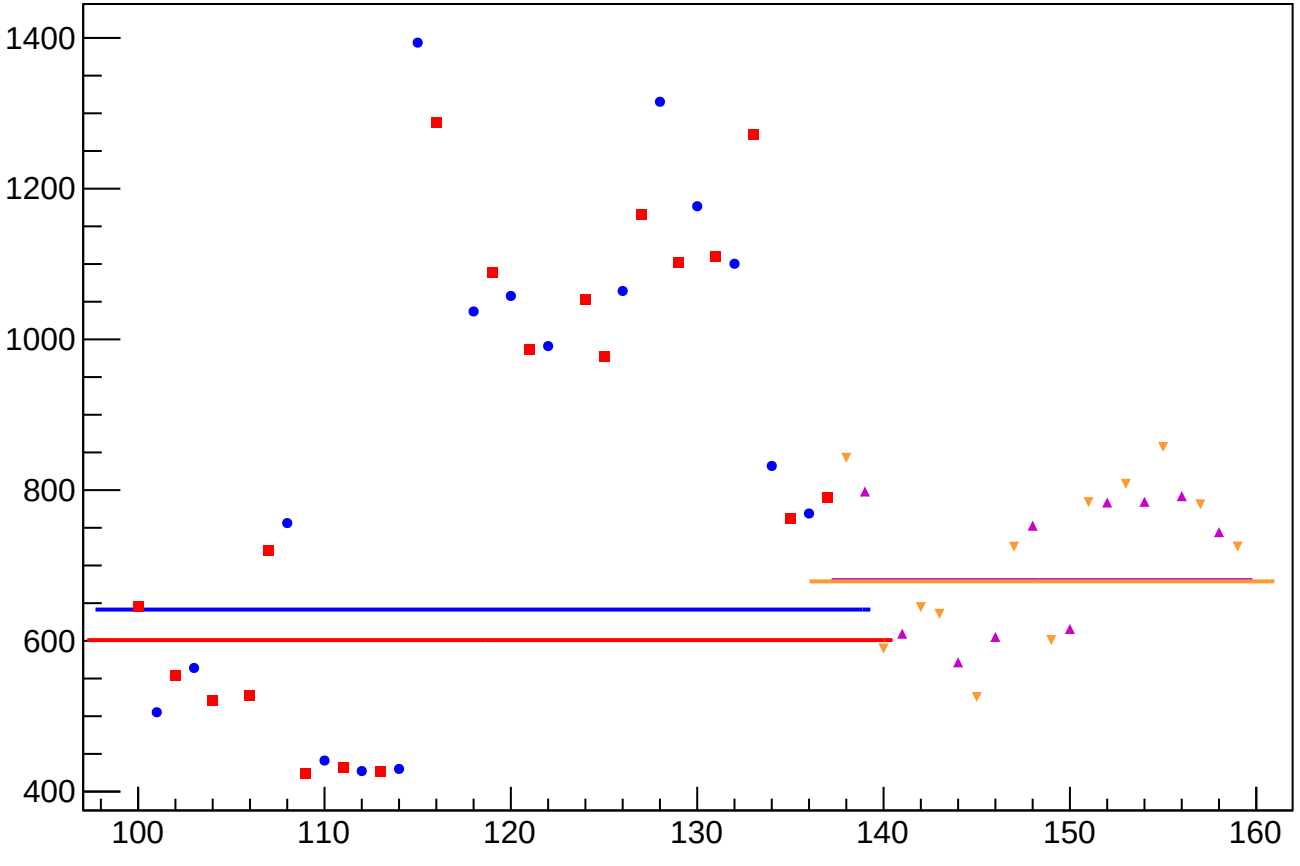
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.364+/-172.766 χ^2/NDF:28.7/25

Out: -339.648+/-163.057 χ^2/NDF:57.2/30

All: -93.721+/-118.582 χ^2/NDF: 90.7/56

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 678.922+/-0.158 χ^2/NDF:456701.3/11

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

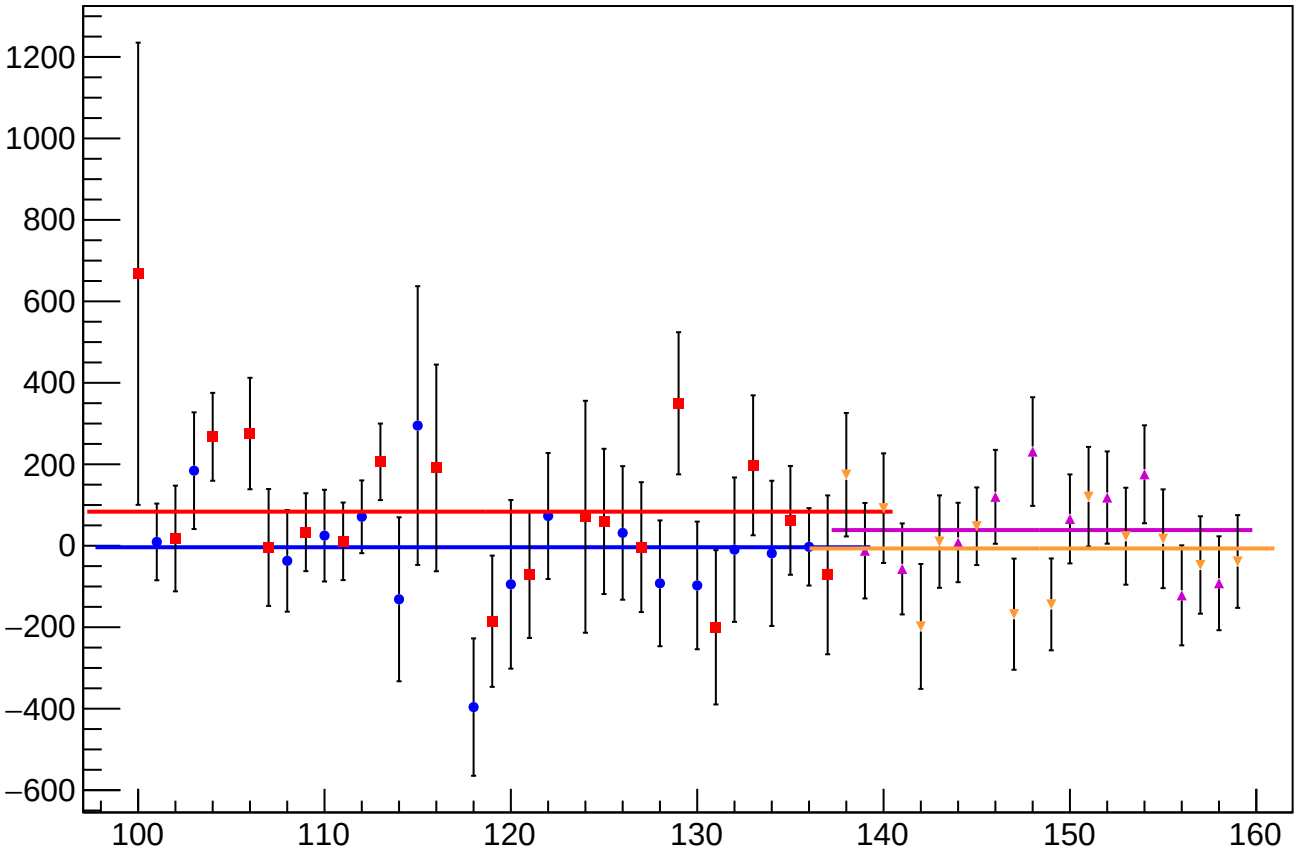
Left: 679.738+/-0.114 χ^2/NDF: 749919.9/21

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 662.951+/-0.122 χ^2/NDF:2193515.4/25

Out: 642.531+/-0.115 χ^2/NDF:2647688.4/30

All: 652.151+/-0.084 χ^2/NDF: 4855980.4/56



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -6.628+/-35.051 χ^2/NDF:8.1/11

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 38.484+/-36.223 χ^2/NDF:8.4/9

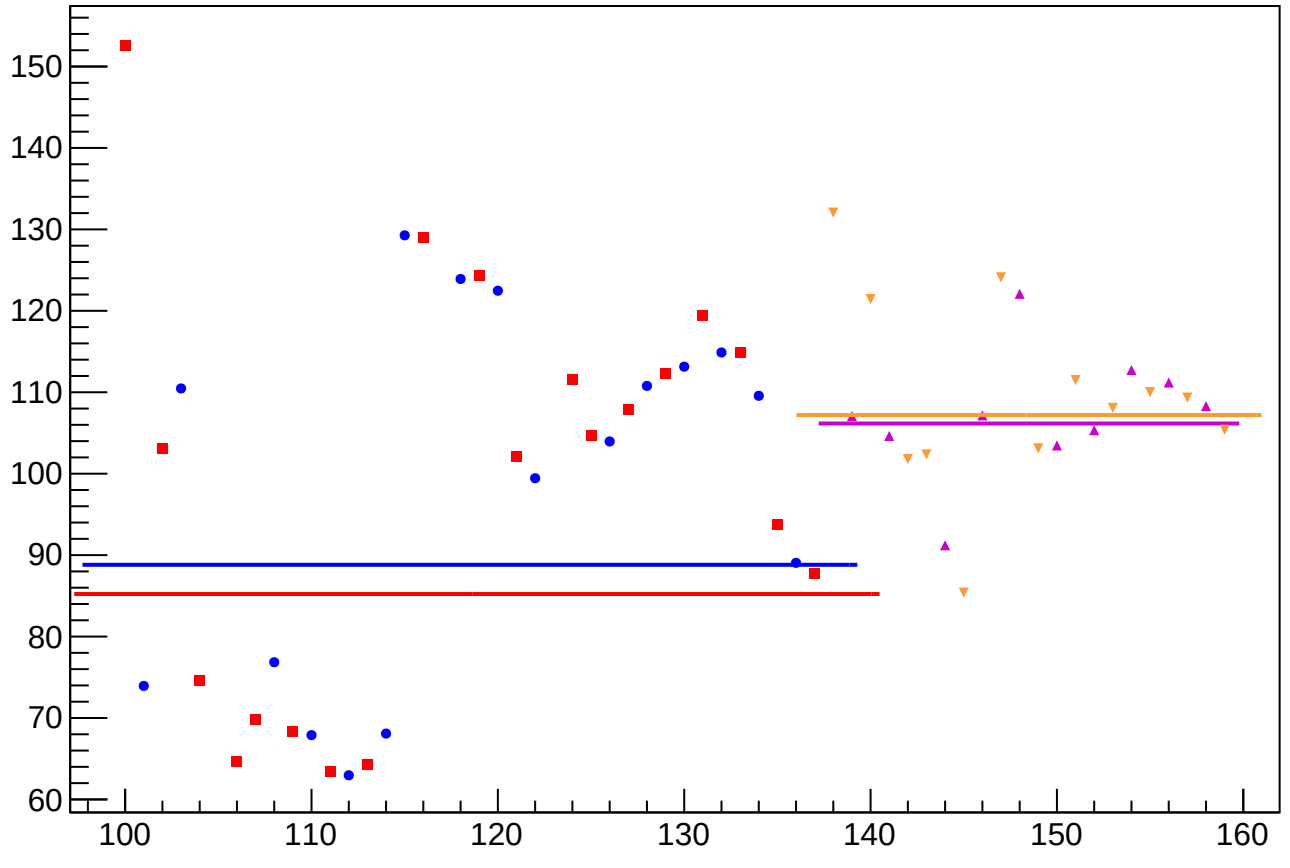
Left: 15.187+/-25.189 χ^2/NDF: 17.4/21

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.187+/-24.849 χ^2/NDF:19.5/25

Out: 41.747+/-23.884 χ^2/NDF:30.8/30

All: 29.473+/-17.220 χ^2/NDF: 50.8/56



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.200+/-0.025 χ^2/NDF:225206.0/11

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.8/9

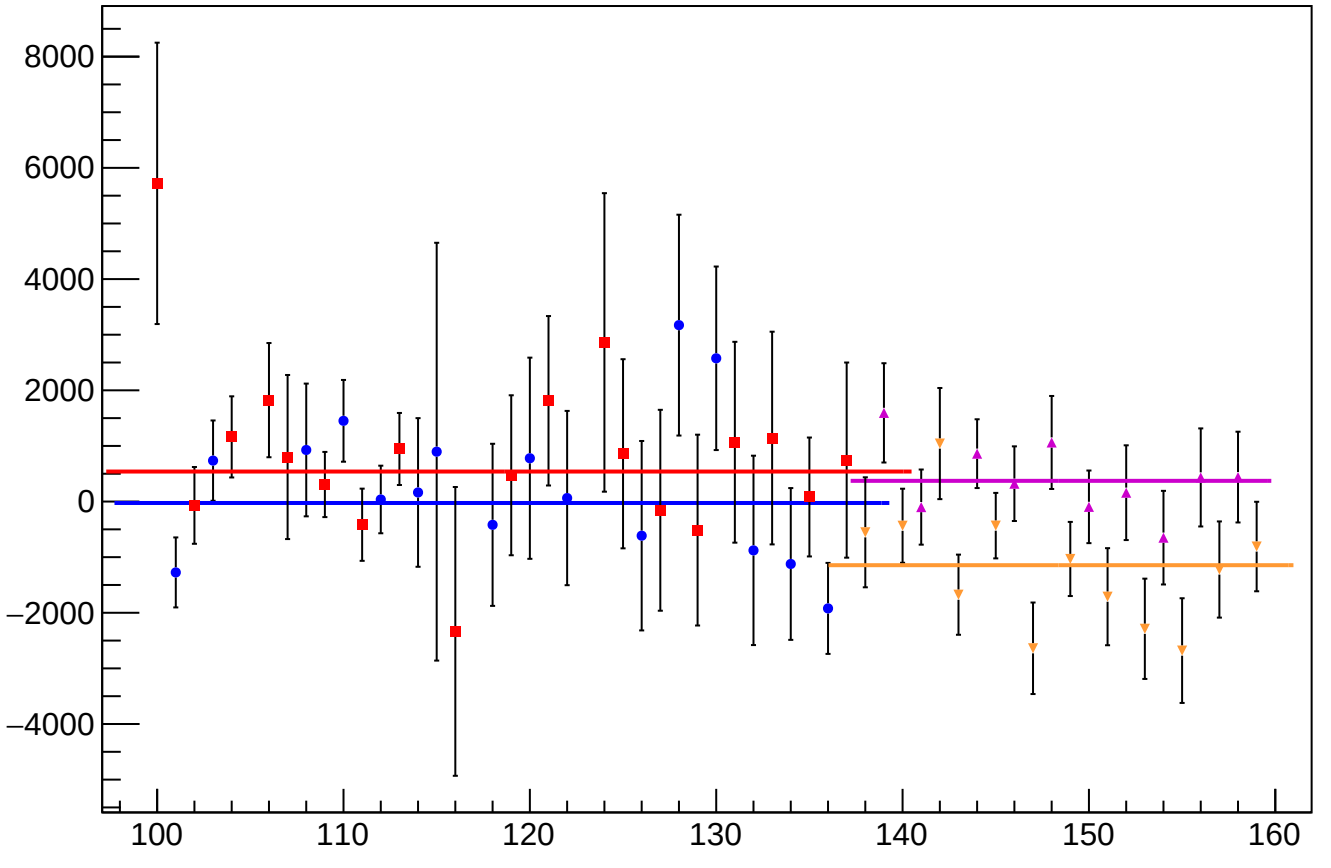
Left: 106.698+/-0.018 χ^2/NDF: 313605.0/21

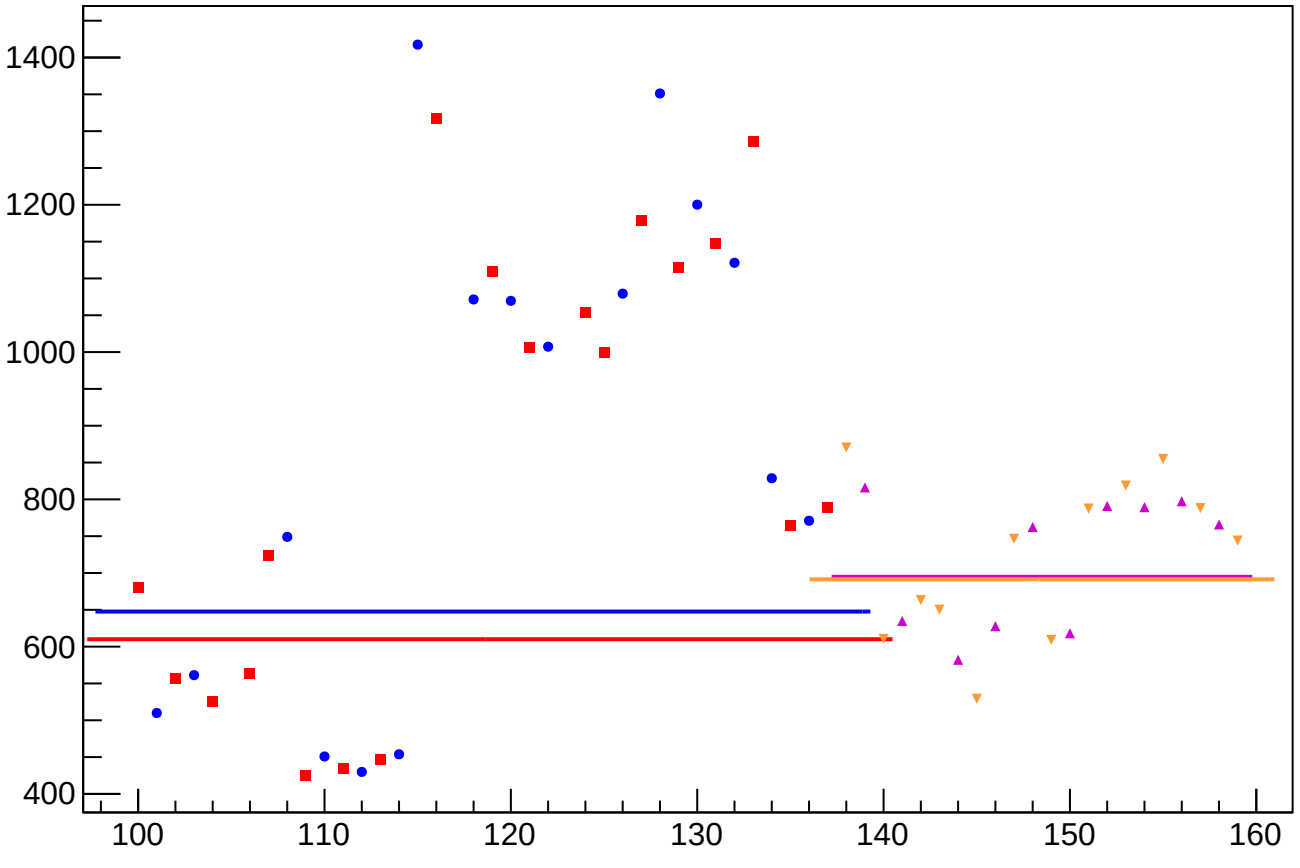
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 96.978+/-0.018 χ^2/NDF:1055056.8/25

Out: 95.428+/-0.017 χ^2/NDF:1530385.8/30

All: 96.172+/-0.012 χ^2/NDF: 2589488.4/56


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -1144.434+/-227.208 χ²/NDF:16.5/11
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 372.308+/-238.136 χ²/NDF:5.7/9
Left: -421.663+/-164.388 χ²/NDF: 43.5/21
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 190.252+/-175.424 χ²/NDF:28.6/25
Out: -352.795+/-165.398 χ²/NDF:55.9/30
All: -97.233+/-120.343 χ²/NDF: 89.6/56



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 691.370+/-0.161 χ^2/NDF:452350.7/11

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 694.795+/-0.168 χ^2/NDF:272769.1/9

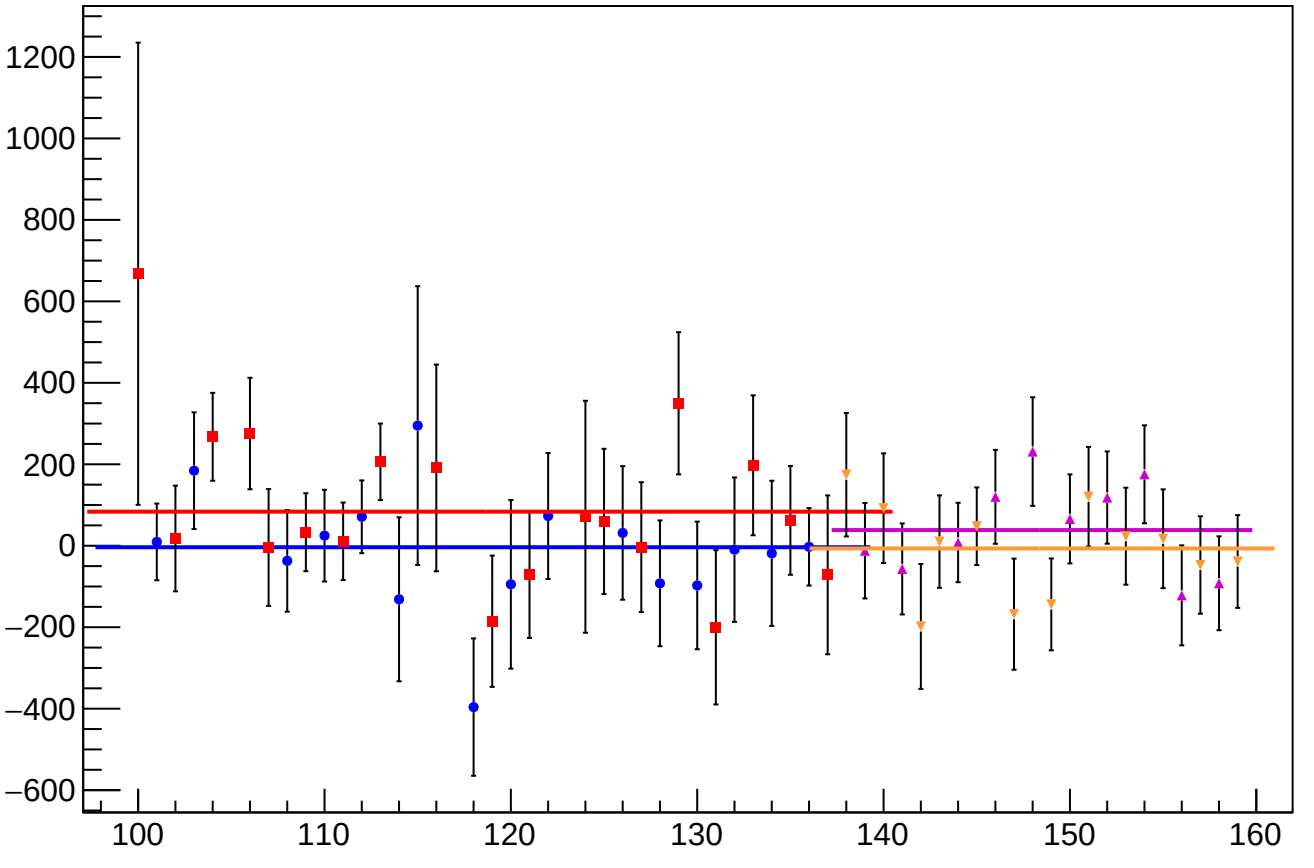
Left: 693.002+/-0.116 χ^2/NDF: 725336.4/21

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 673.230+/-0.124 χ^2/NDF:2196449.6/25

Out: 653.148+/-0.117 χ^2/NDF:2646999.9/30

All: 662.599+/-0.085 χ^2/NDF: 4857324.1/56



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -6.626+/-35.051 χ^2/NDF:8.1/11

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 38.485+/-36.223 χ^2/NDF:8.4/9

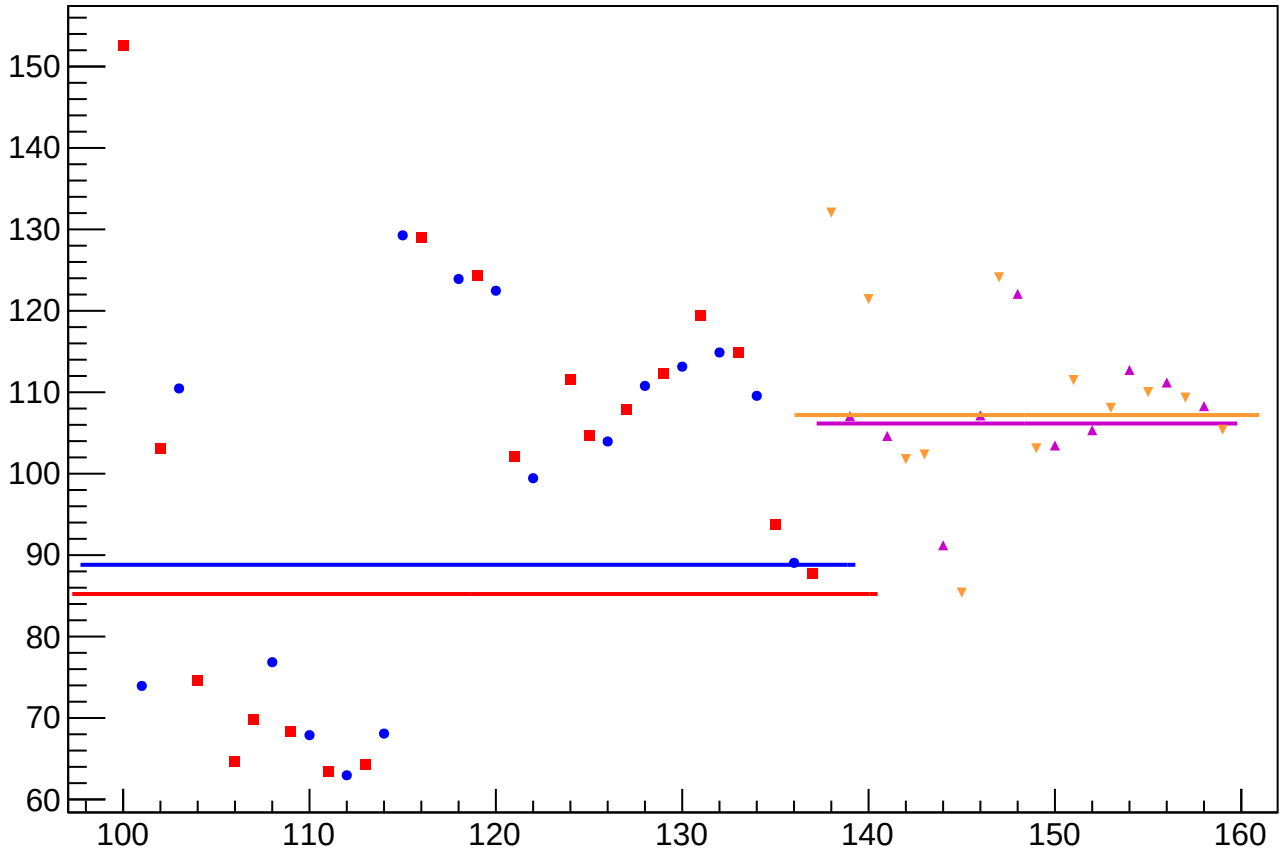
Left: 15.188+/-25.189 χ^2/NDF: 17.4/21

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.188+/-24.849 χ^2/NDF:19.5/25

Out: 41.748+/-23.884 χ^2/NDF:30.8/30

All: 29.474+/-17.220 χ^2/NDF: 50.8/56



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.200+/-0.025 χ^2/NDF:225204.5/11

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.3/9

Left: 106.699+/-0.018 χ^2/NDF: 313603.0/21

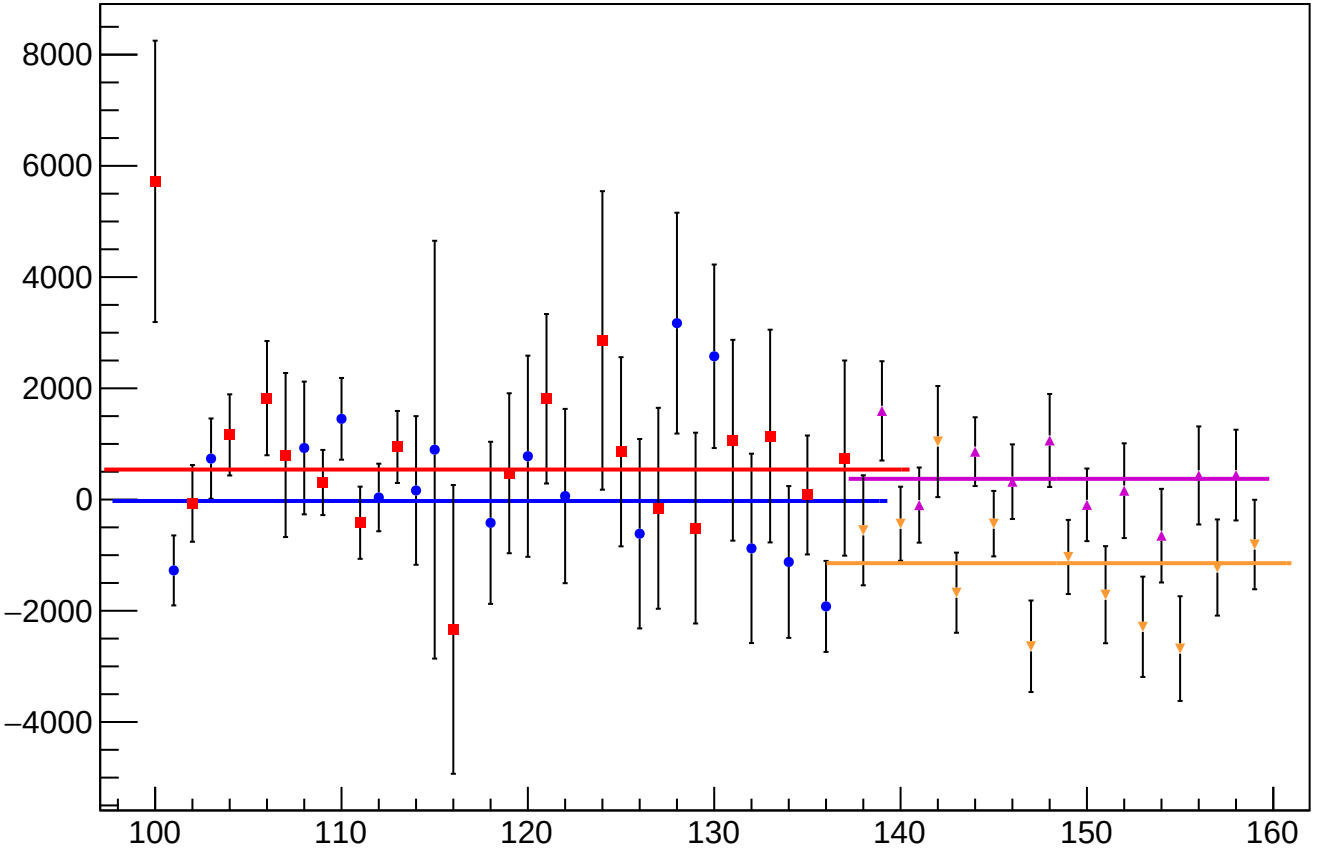
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 96.978+/-0.018 χ^2/NDF:1055062.9/25

Out: 95.428+/-0.017 χ^2/NDF:1530395.1/30

All: 96.172+/-0.012 χ^2/NDF: 2589503.9/56

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: -1144.432+/-227.207 χ^2/NDF:16.5/11

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 372.307+/-238.136 χ^2/NDF:5.7/9

Left: -421.662+/-164.388 χ^2/NDF: 43.5/21

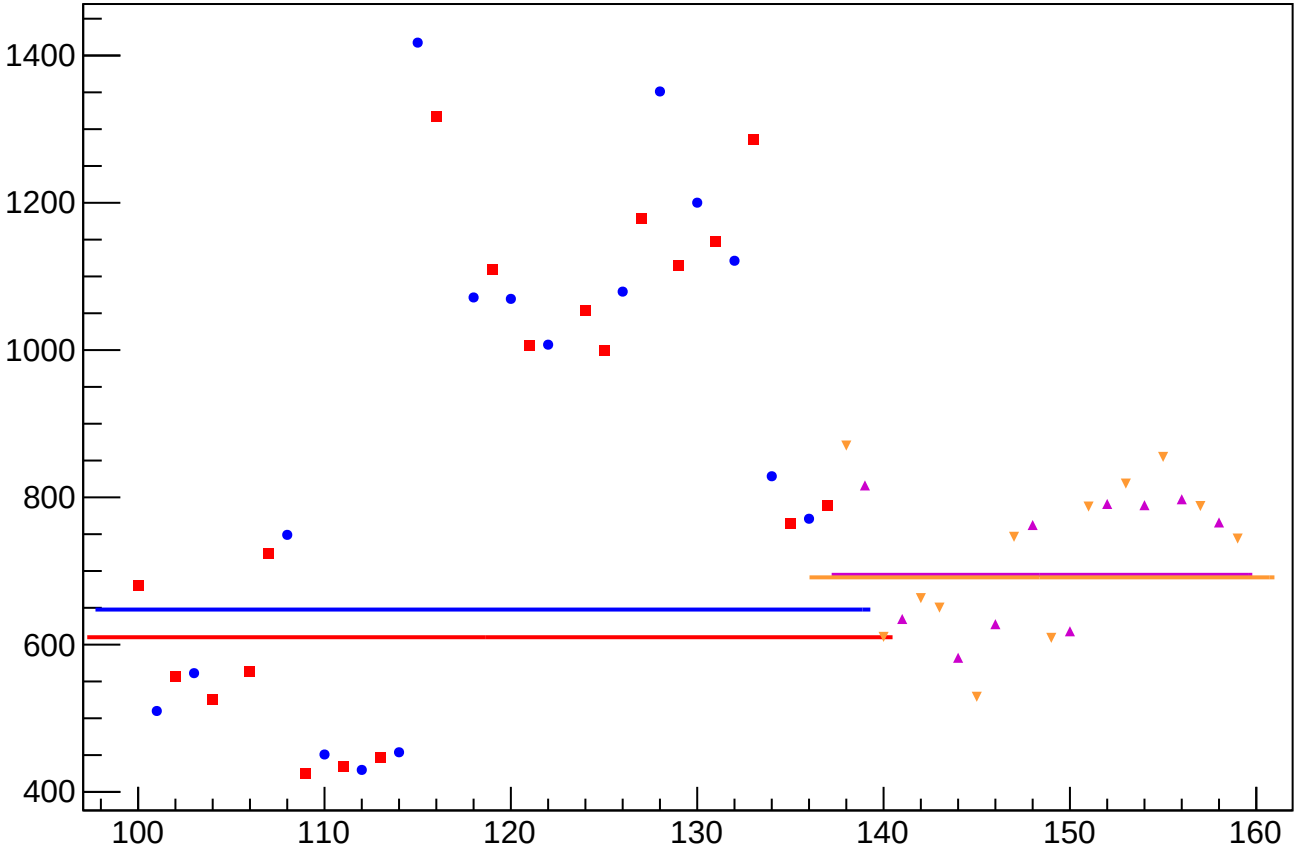
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 190.252+/-175.424 χ^2/NDF:28.6/25

Out: -352.794+/-165.398 χ^2/NDF:55.9/30

All: -97.233+/-120.342 χ^2/NDF: 89.6/56

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: 691.369+/-0.161 χ^2/NDF:452351.8/11

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 694.795+/-0.168 χ^2/NDF:272767.2/9

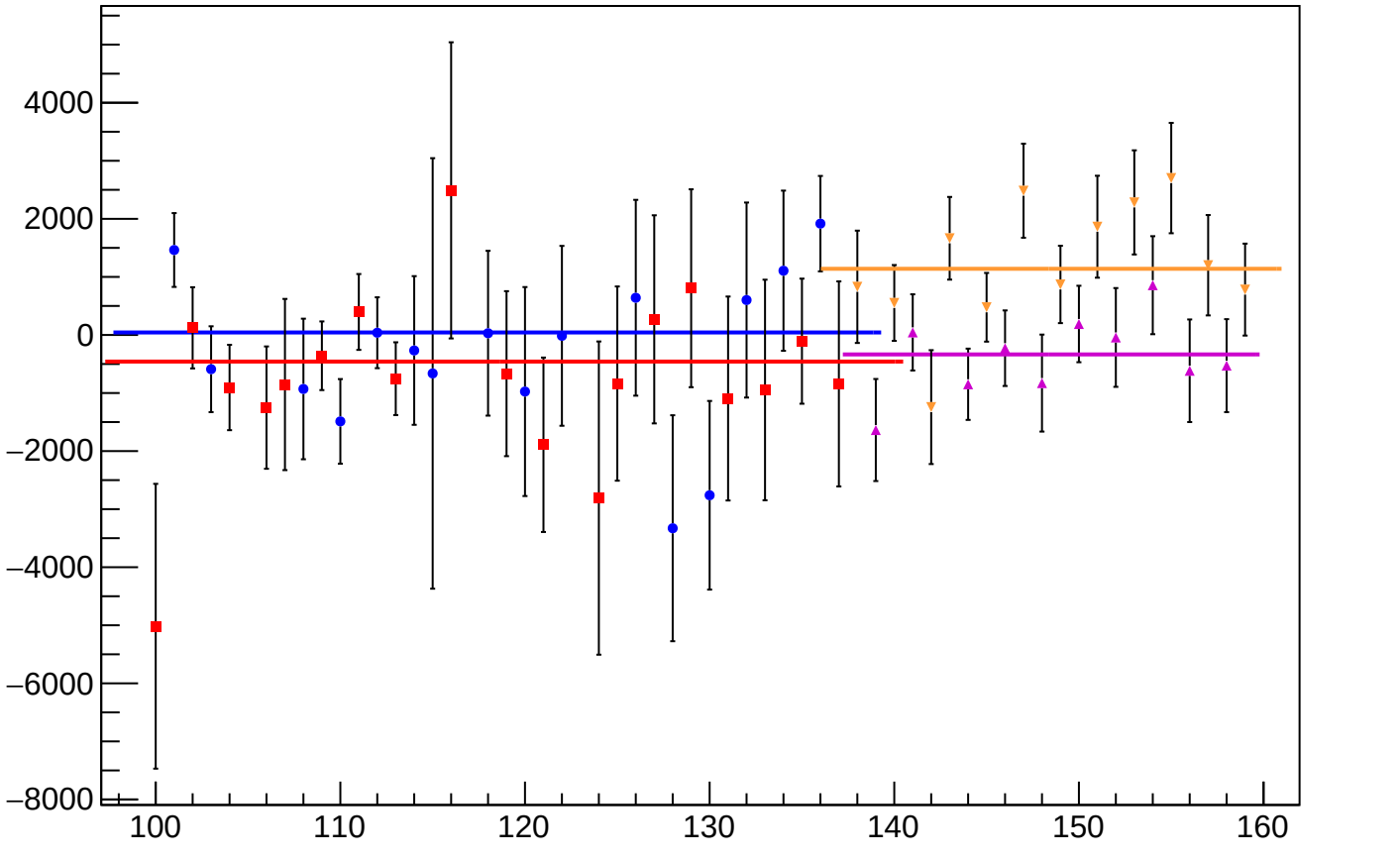
Left: 693.002+/-0.116 χ^2/NDF: 725335.7/21

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 673.229+/-0.124 χ^2/NDF:2196453.6/25

Out: 653.148+/-0.117 χ^2/NDF:2647004.9/30

All: 662.598+/-0.085 χ^2/NDF: 4857333.2/56



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1139.762+/-225.603 χ^2/NDF:16.8/11

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -335.078+/-235.695 χ^2/NDF:6.5/9

Left: 434.593+/-162.976 χ^2/NDF: 43.7/21

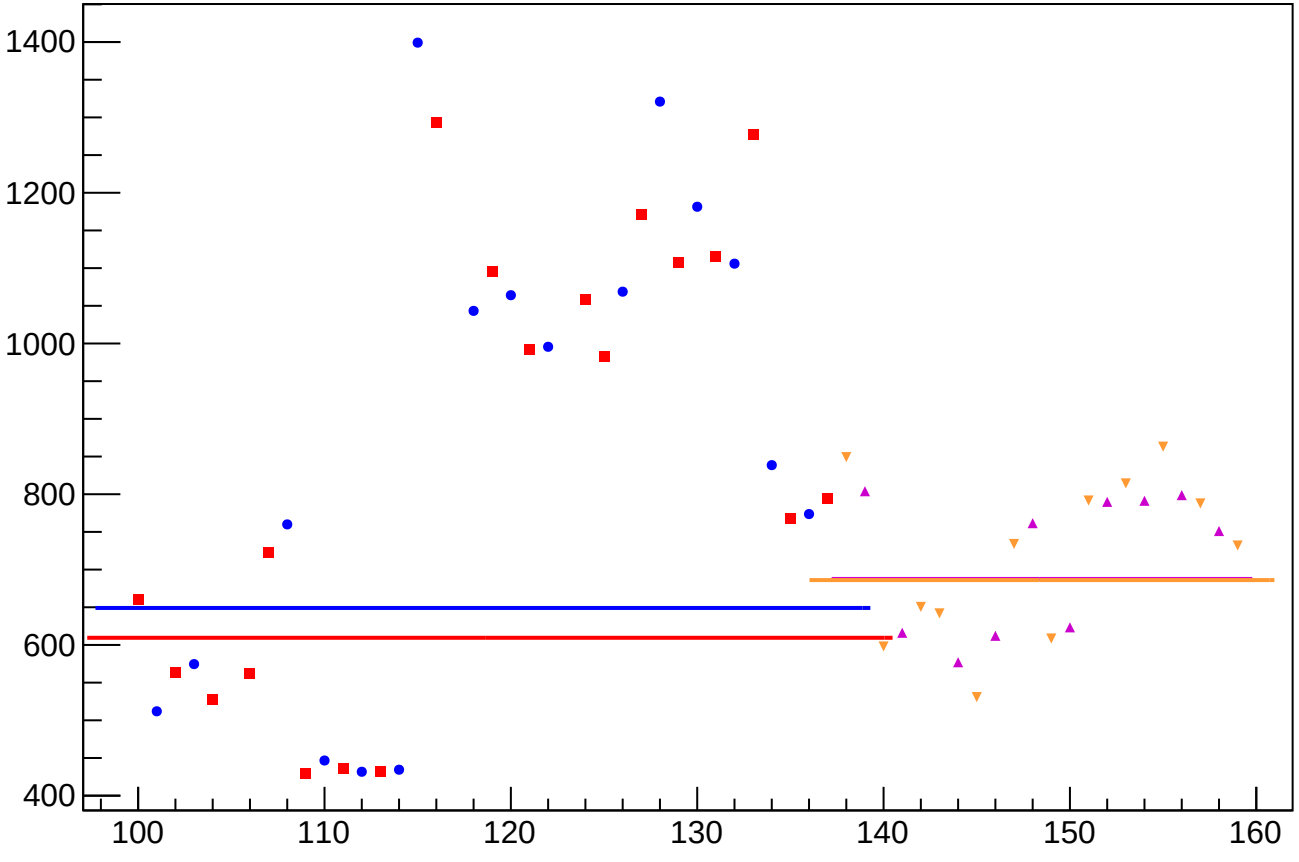
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -164.317+/-174.562 χ^2/NDF:30.9/25

Out: 393.884+/-164.737 χ^2/NDF:51.4/30

All: 130.933+/-119.809 χ^2/NDF: 87.7/56

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 686.073+/-0.160 χ^2/NDF:449121.1/11

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 687.585+/-0.167 χ^2/NDF:288685.5/9

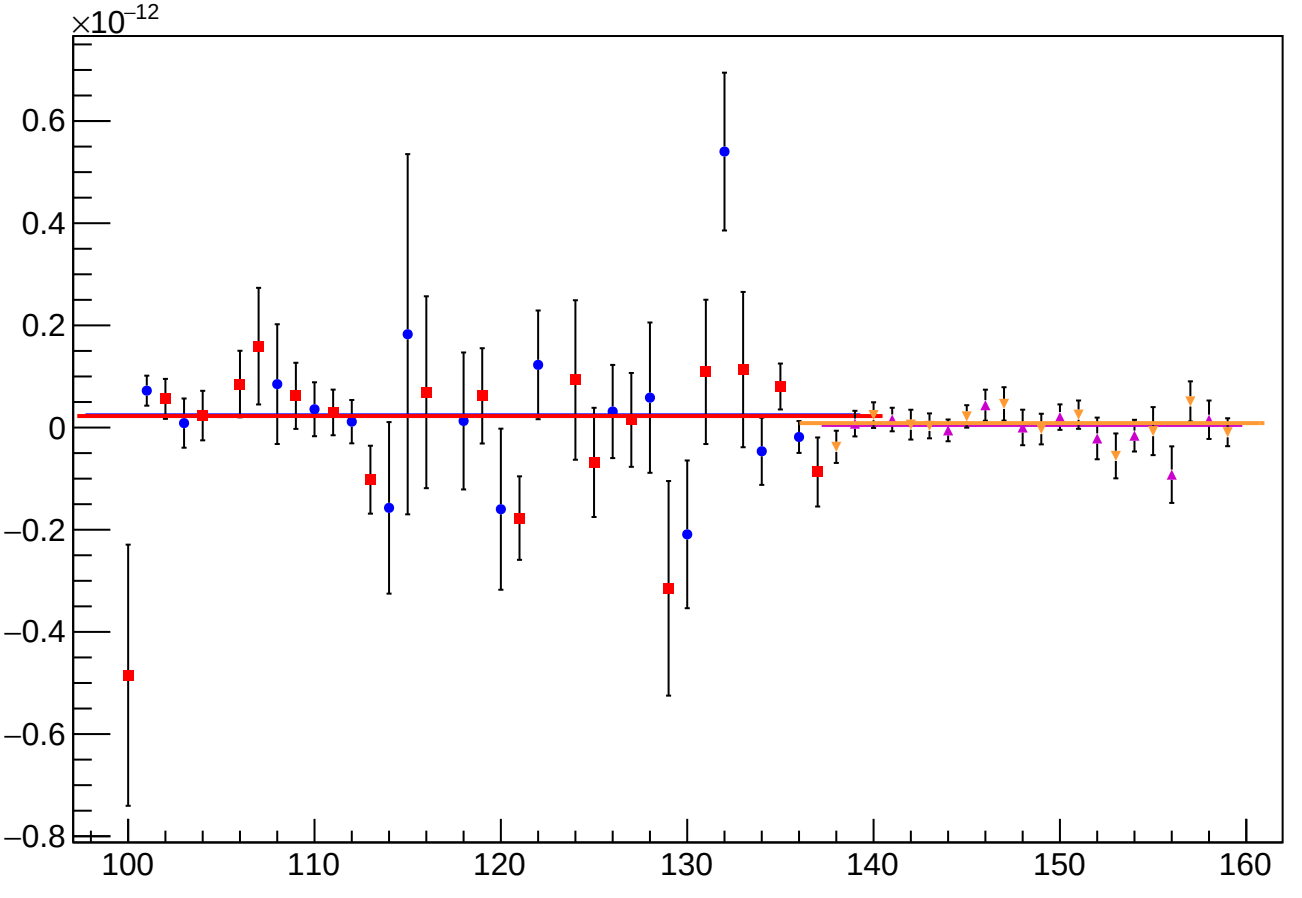
Left: 686.796+/-0.115 χ^2/NDF: 737849.5/21

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 670.206+/-0.123 χ^2/NDF:2158586.8/25

Out: 650.337+/-0.116 χ^2/NDF:2600219.7/30

All: 659.697+/-0.085 χ^2/NDF: 4772511.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

Left: 0.000+/-0.000 χ^2/NDF: 15.2/21

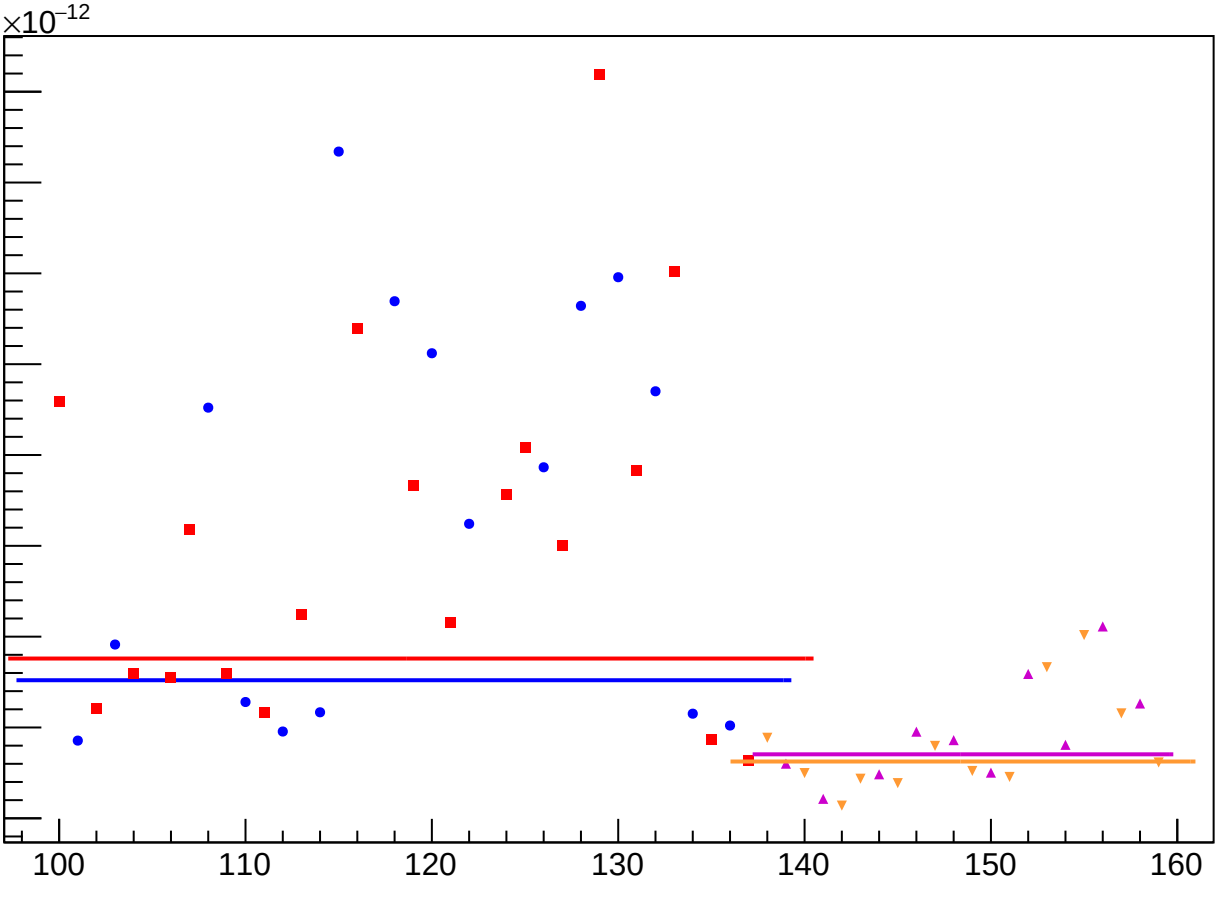
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:31.3/25

Out: 0.000+/-0.000 χ^2/NDF:34.9/30

All: 0.000+/-0.000 χ^2/NDF: 66.2/56

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:448791.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:415849.2/9

Left: 0.000+/-0.000 χ^2/NDF: 872647.8/21

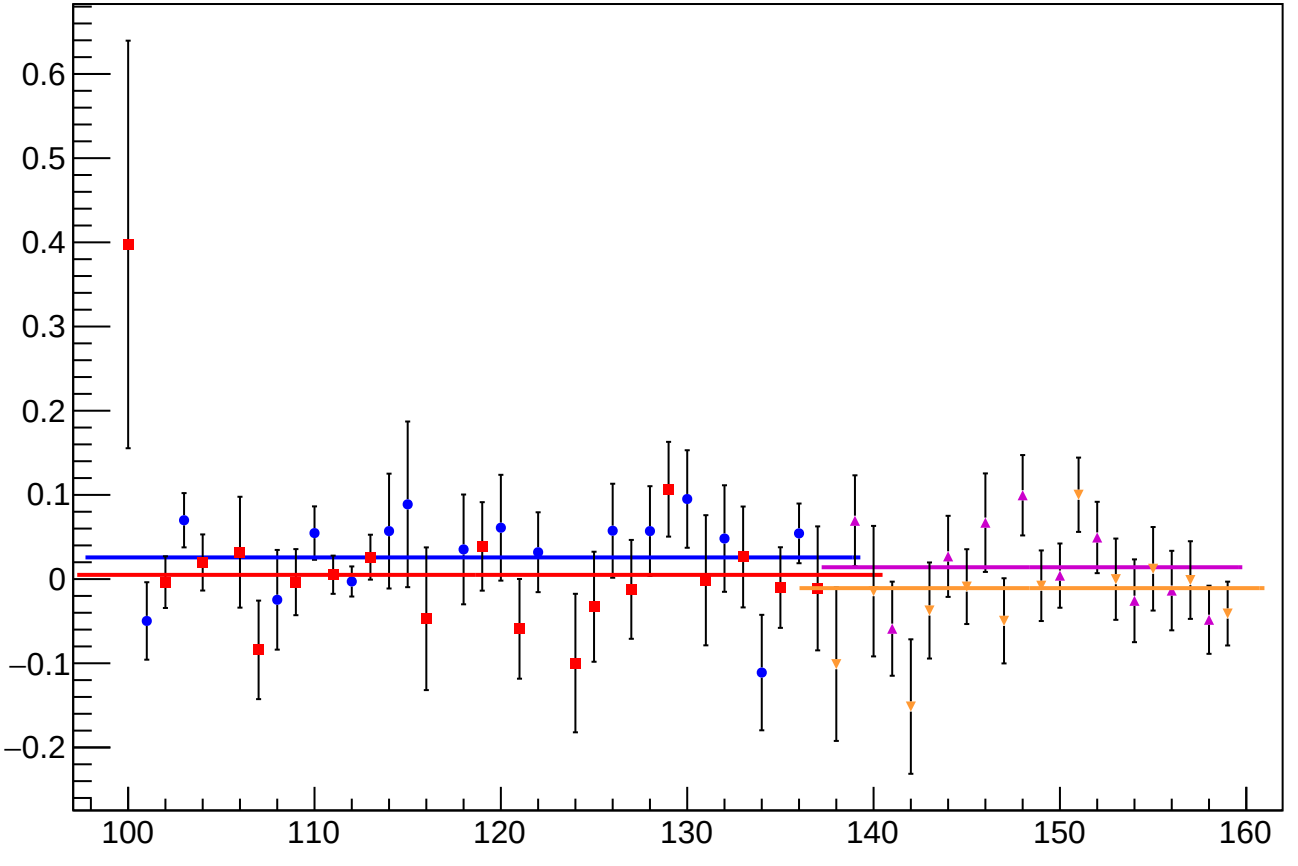
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2149790.8/25

Out: 0.000+/-0.000 χ^2/NDF:2194702.8/30

All: 0.000+/-0.000 χ^2/NDF: 4349666.3/56

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: -0.011+/-0.015 χ^2/NDF:12.2/11

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

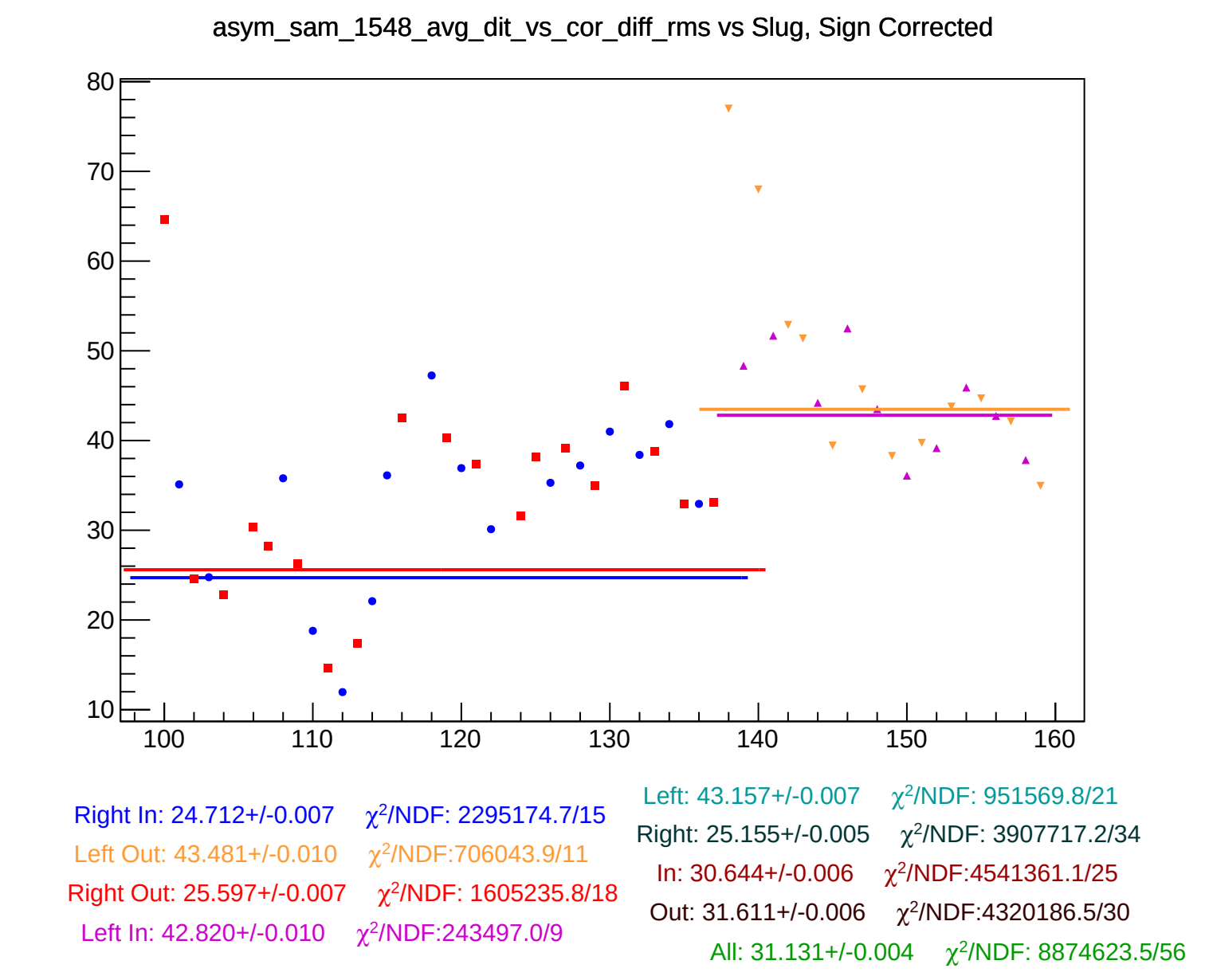
Left: 0.001+/-0.010 χ^2/NDF: 24.6/21

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

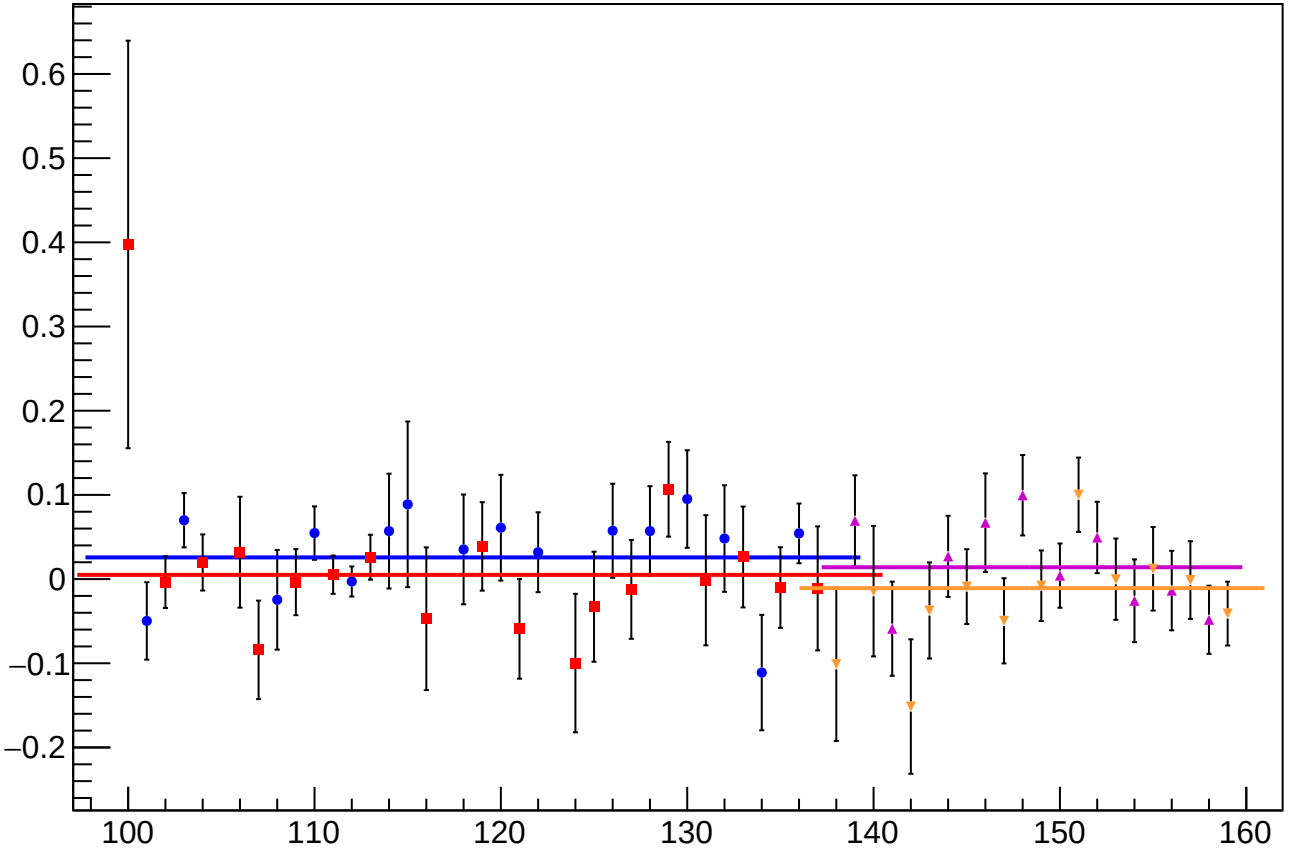
In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.011+/-0.006 χ^2/NDF: 57.9/56


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.481+/-0.010 χ²/NDF:706043.9/11
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.820+/-0.010 χ²/NDF:243497.0/9
Left: 43.157+/-0.007 χ²/NDF: 951569.8/21
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 30.644+/-0.006 χ²/NDF:4541361.1/25
Out: 31.611+/-0.006 χ²/NDF:4320186.5/30
All: 31.131+/-0.004 χ²/NDF: 8874623.5/56

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: -0.011+/-0.015 χ^2/NDF:12.2/11

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

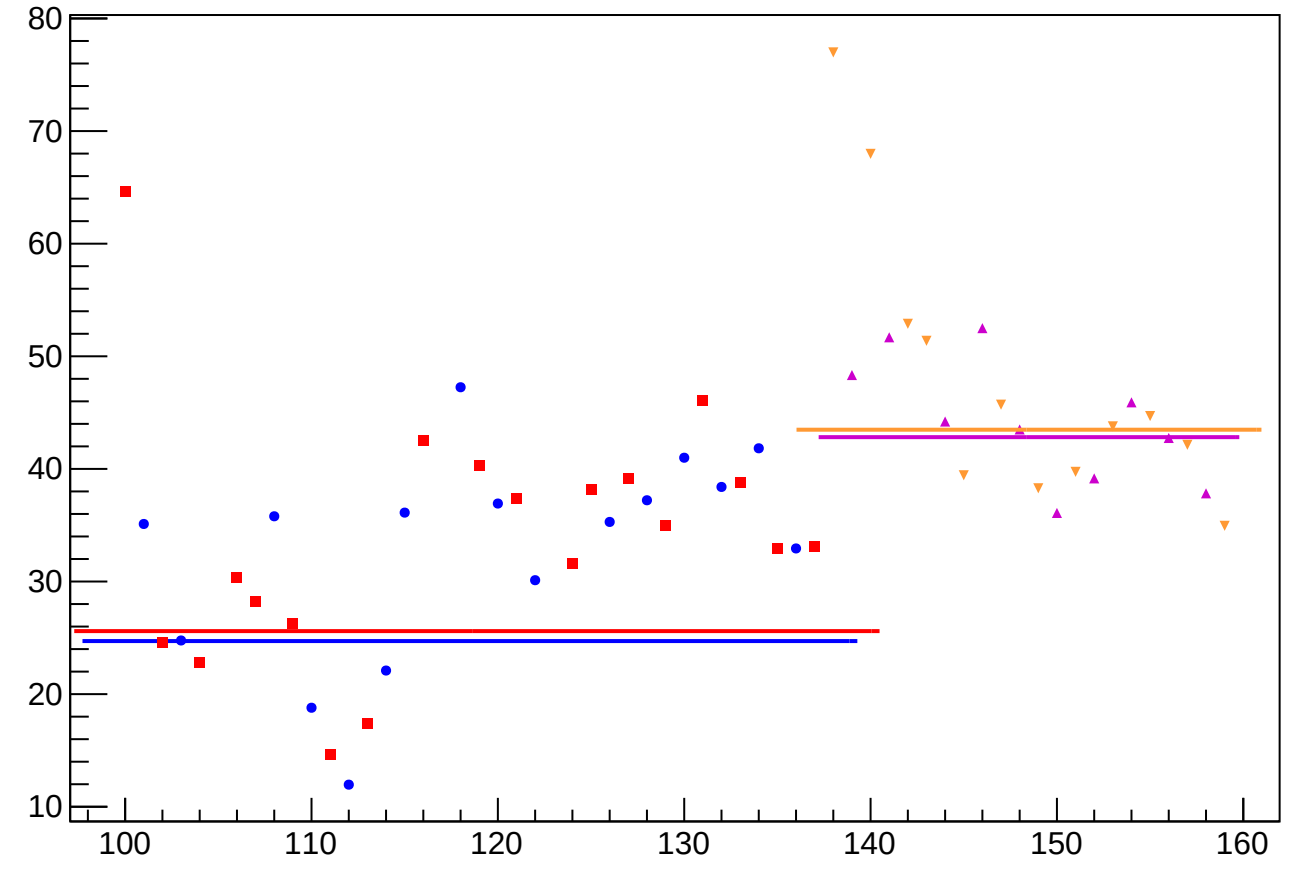
Left: 0.001+/-0.010 χ^2/NDF: 24.6/21

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.011+/-0.006 χ^2/NDF: 57.9/56



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.481+/-0.010 χ^2/NDF:706043.9/11

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.820+/-0.010 χ^2/NDF:243497.0/9

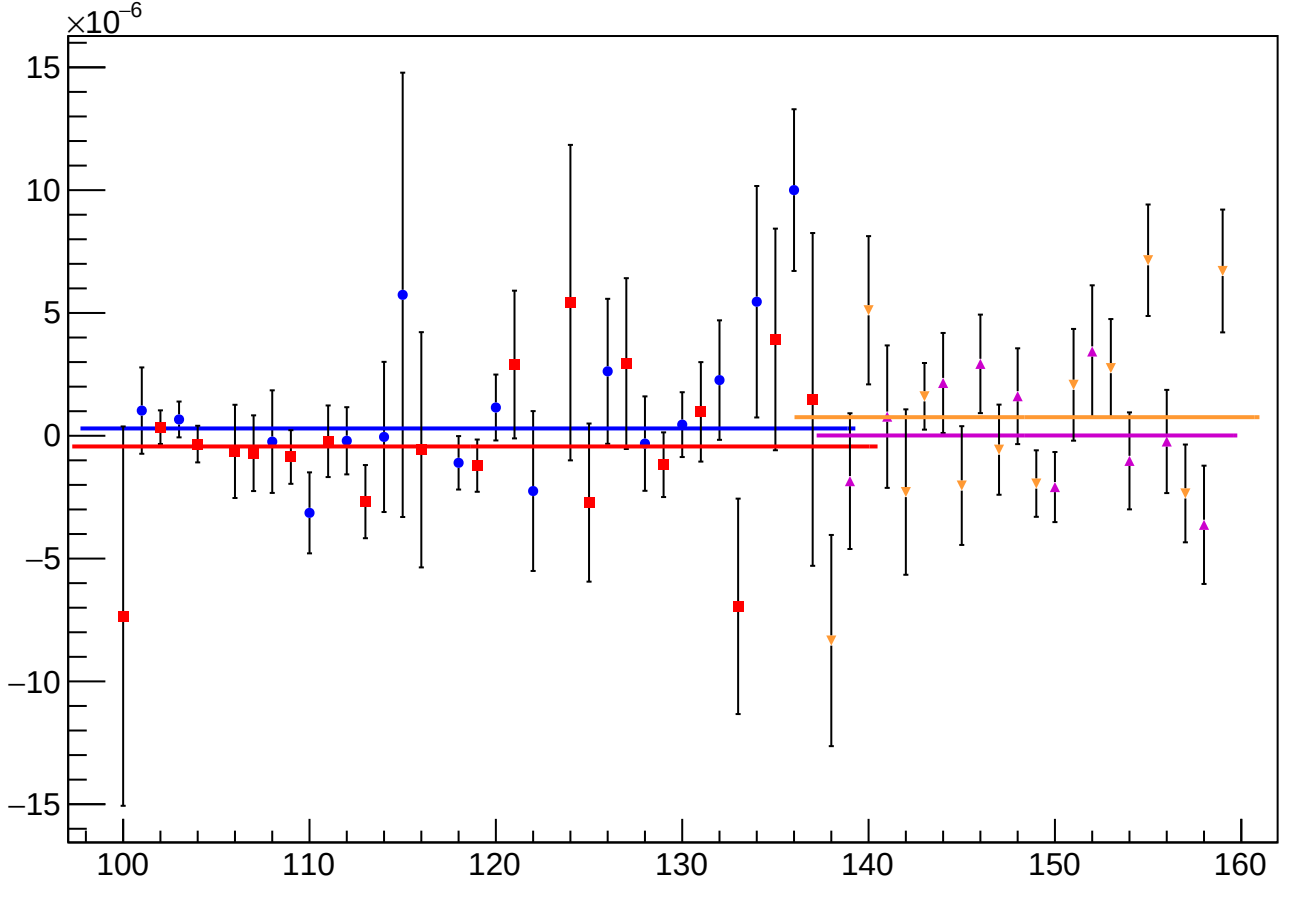
Left: 43.157+/-0.007 χ^2/NDF: 951569.8/21

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 30.644+/-0.006 χ^2/NDF:4541361.1/25

Out: 31.611+/-0.006 χ^2/NDF:4320186.5/30

All: 31.131+/-0.004 χ^2/NDF: 8874623.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

Left: 0.000+/-0.000 χ^2/NDF: 42.4/21

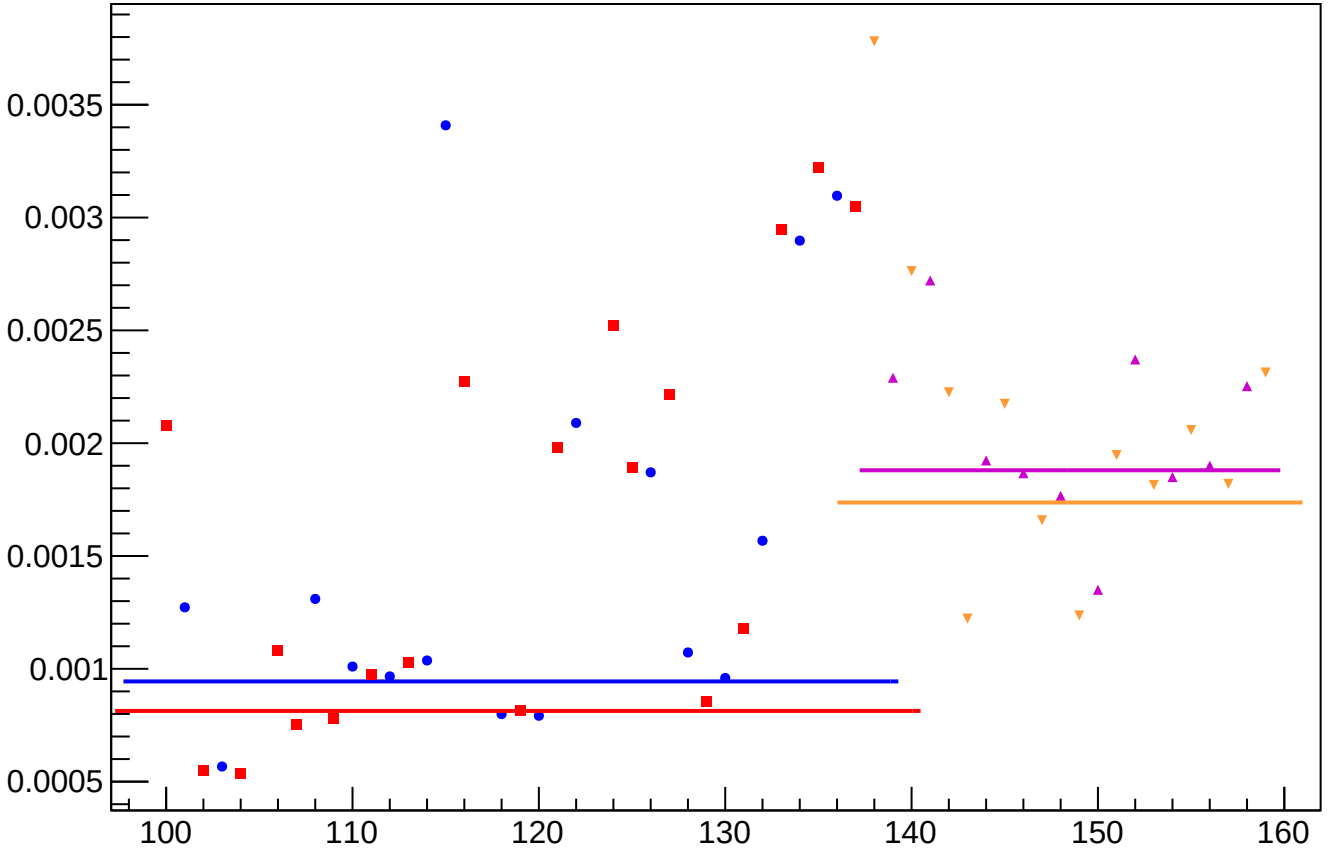
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:30.2/25

Out: -0.000+/-0.000 χ^2/NDF:46.7/30

All: 0.000+/-0.000 χ^2/NDF: 77.5/56

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:1525009.9/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:610904.0/9

Left: 0.002+/-0.000 χ^2/NDF: 2187683.0/21

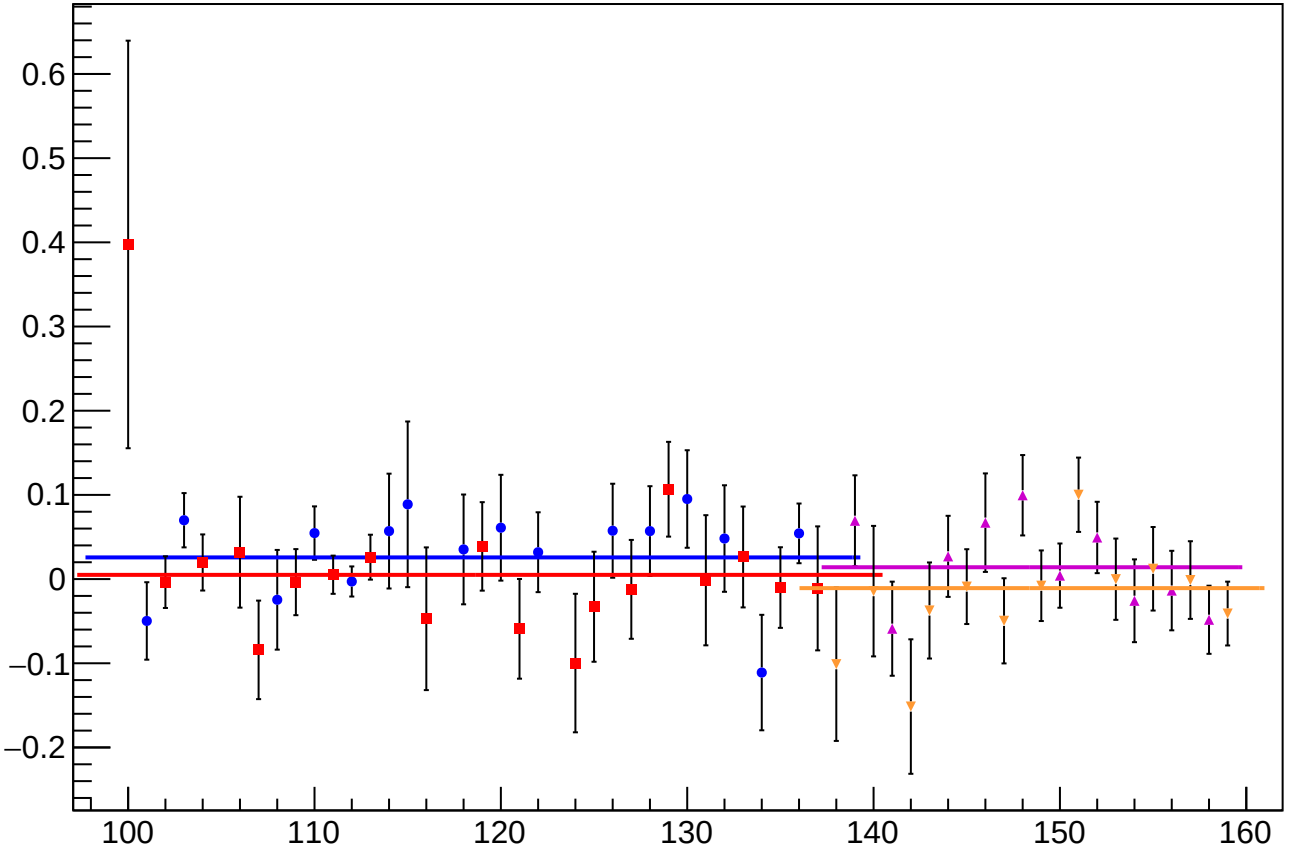
Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:6205460.2/25

Out: 0.001+/-0.000 χ^2/NDF:8431811.2/30

All: 0.001+/-0.000 χ^2/NDF: 14862497.6/56

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: -0.011+/-0.015 χ^2/NDF:12.2/11

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

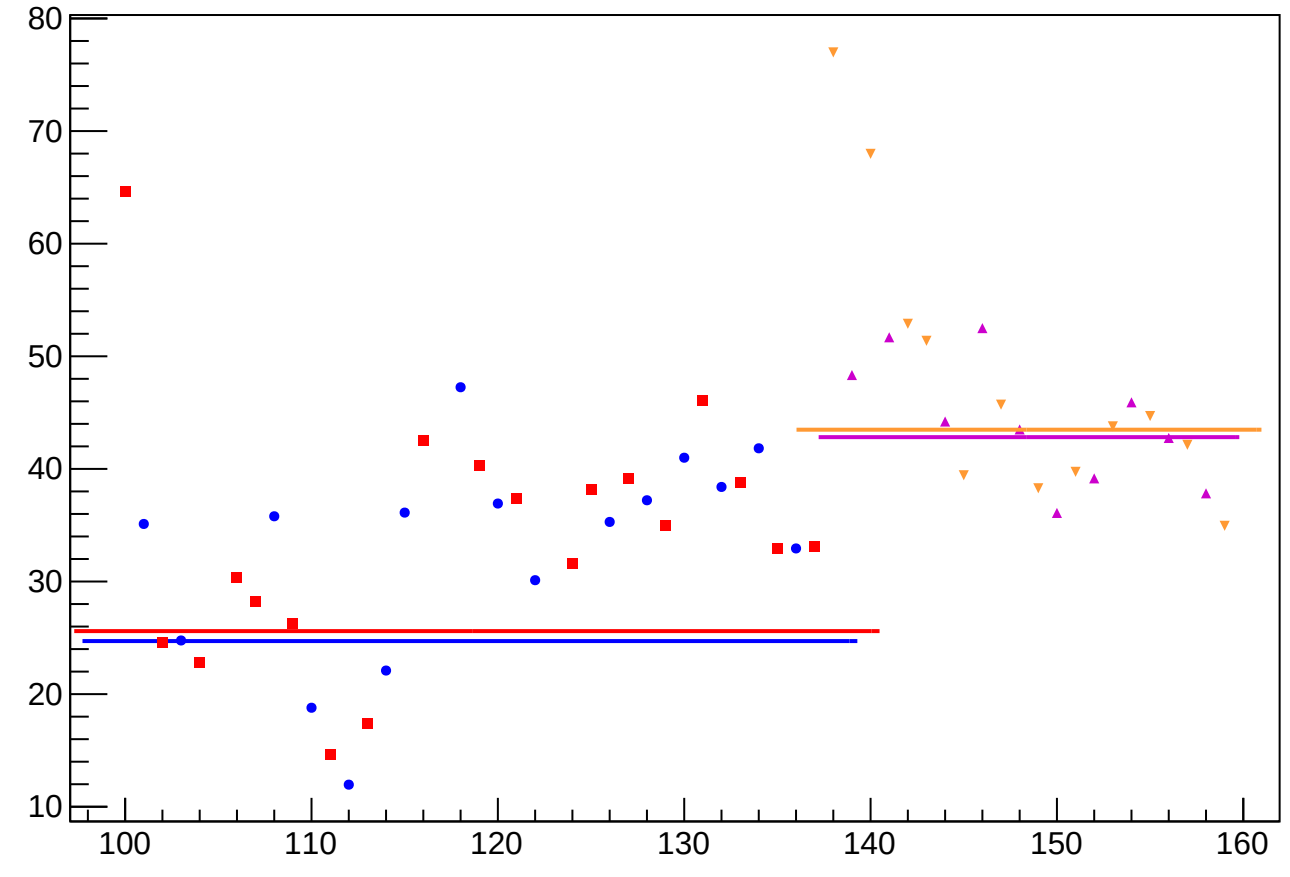
Left: 0.001+/-0.010 χ^2/NDF: 24.6/21

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.011+/-0.006 χ^2/NDF: 57.9/56



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.482+/-0.010 χ^2/NDF:706039.4/11

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.820+/-0.010 χ^2/NDF:243505.0/9

Left: 43.158+/-0.007 χ^2/NDF: 951573.2/21

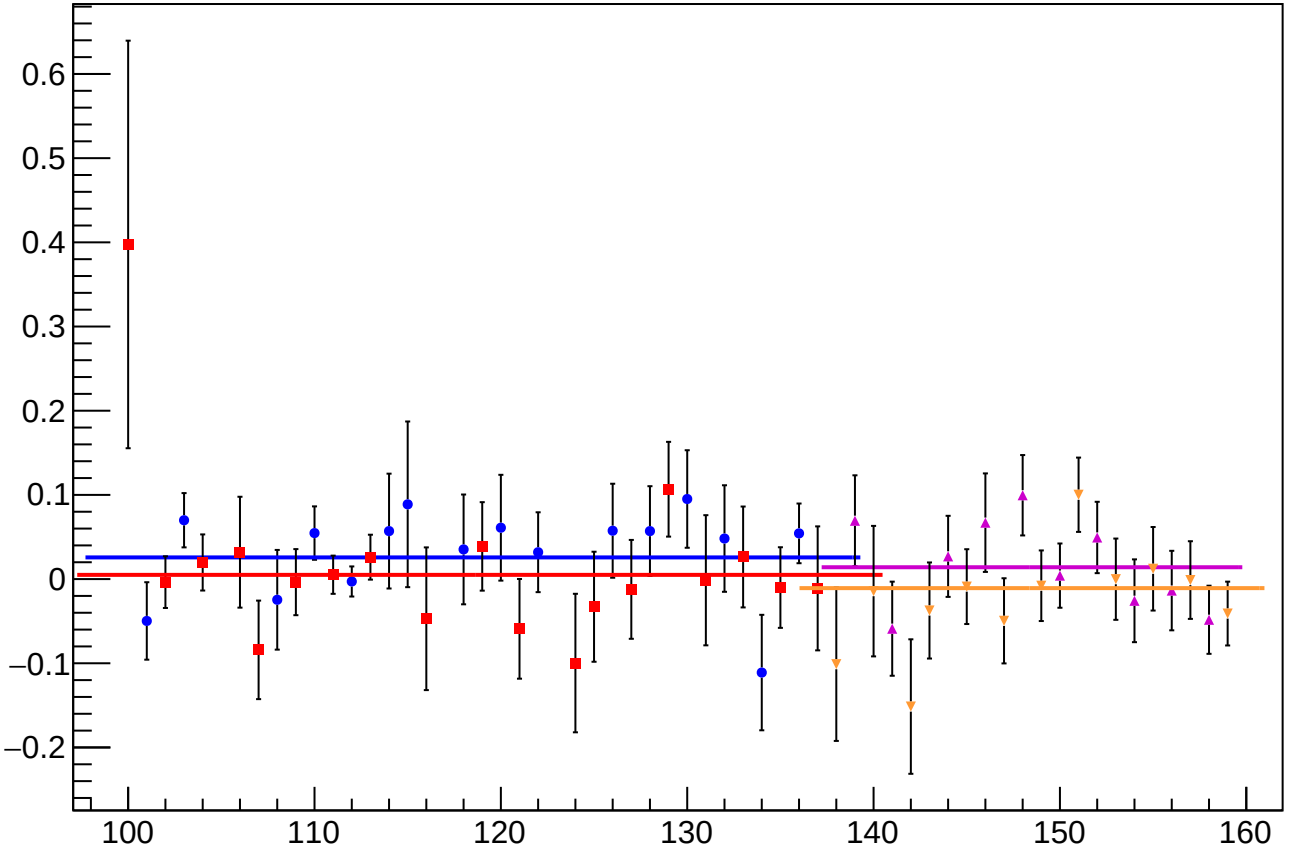
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 30.643+/-0.006 χ^2/NDF:4541771.9/25

Out: 31.611+/-0.006 χ^2/NDF:4320522.9/30

All: 31.131+/-0.004 χ^2/NDF: 8875374.7/56

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: -0.011+/-0.015 χ^2/NDF:12.2/11

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

Left: 0.001+/-0.010 χ^2/NDF: 24.6/21

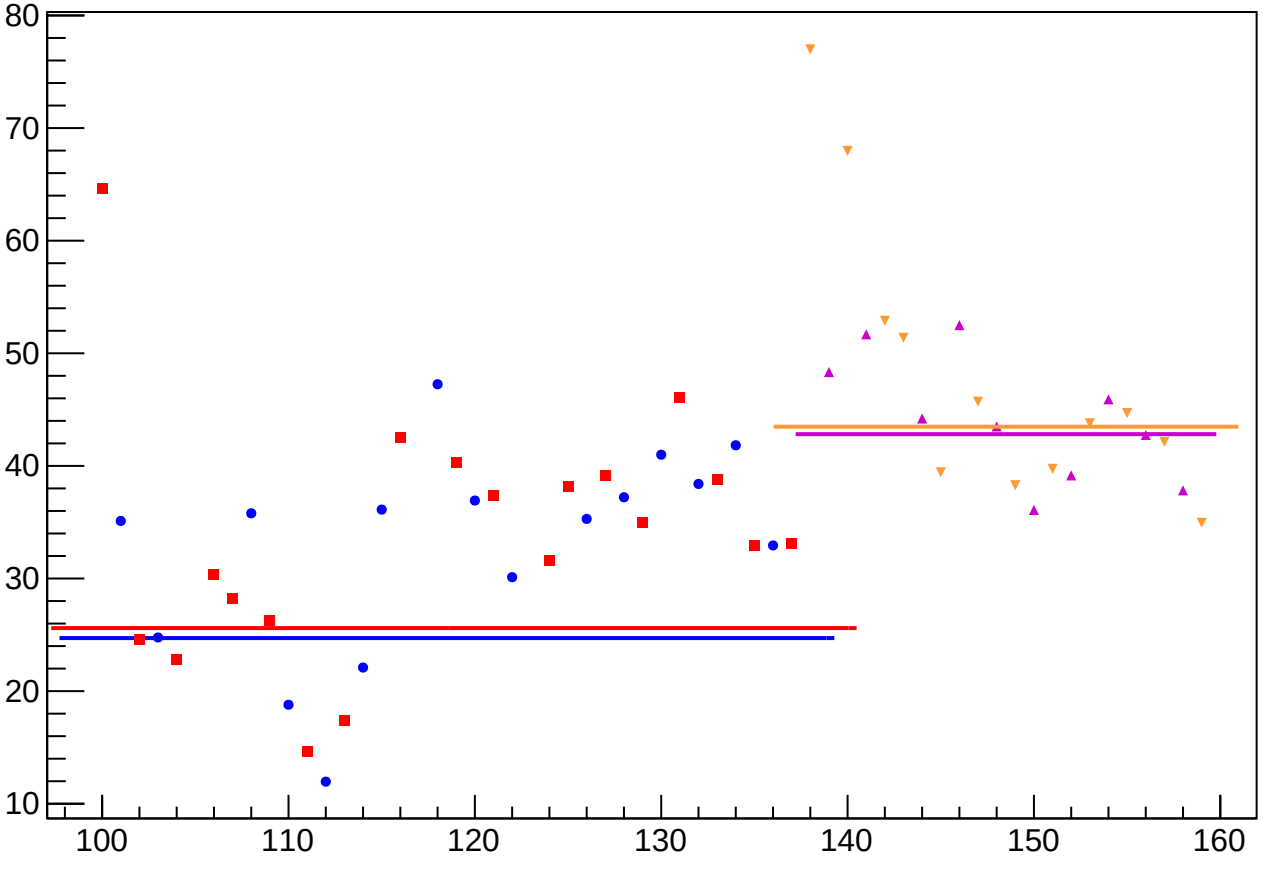
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.011+/-0.006 χ^2/NDF: 57.9/56

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.482+/-0.010 χ^2/NDF:706039.4/11

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.820+/-0.010 χ^2/NDF:243505.0/9

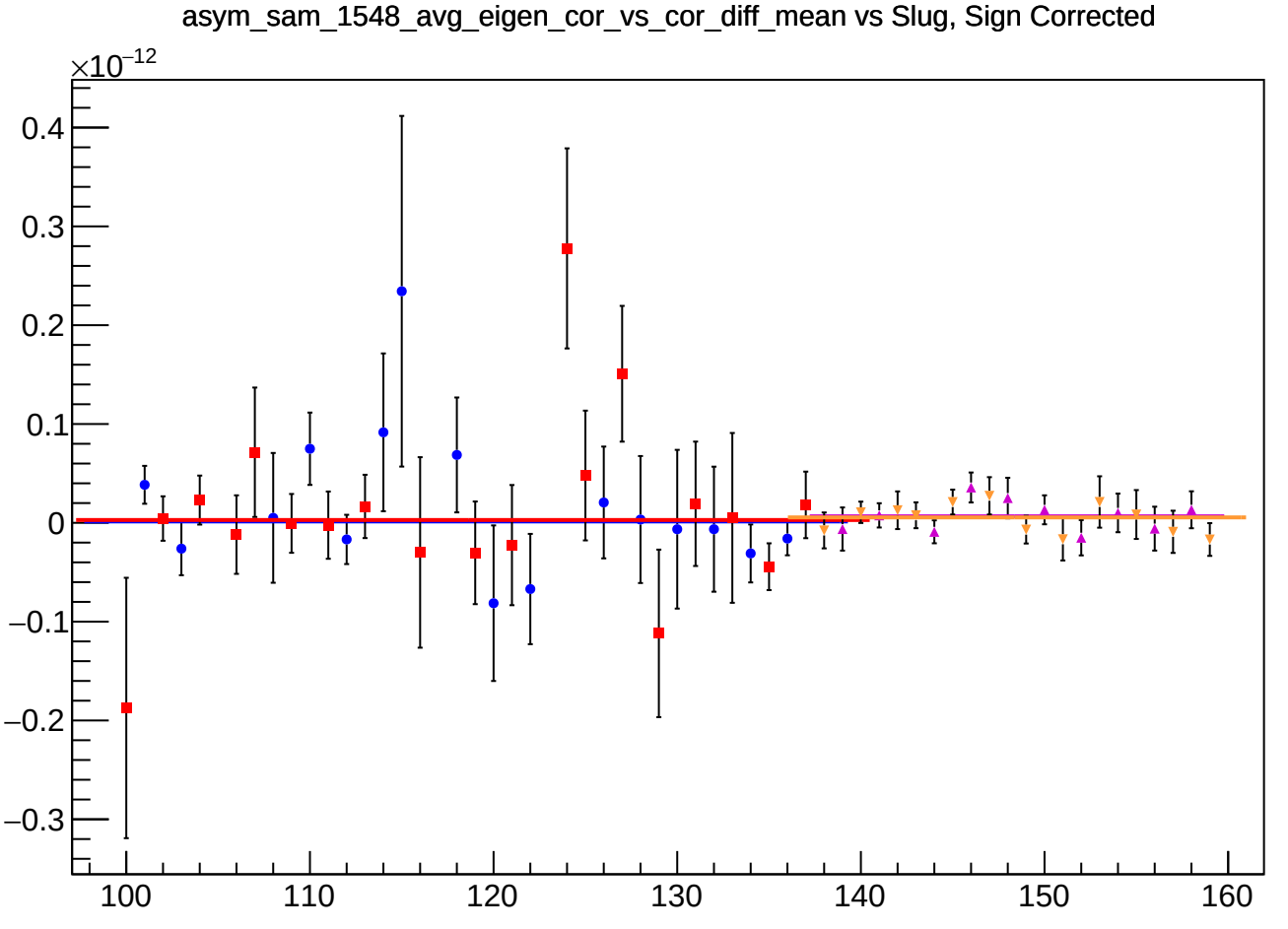
Left: 43.158+/-0.007 χ^2/NDF: 951573.2/21

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

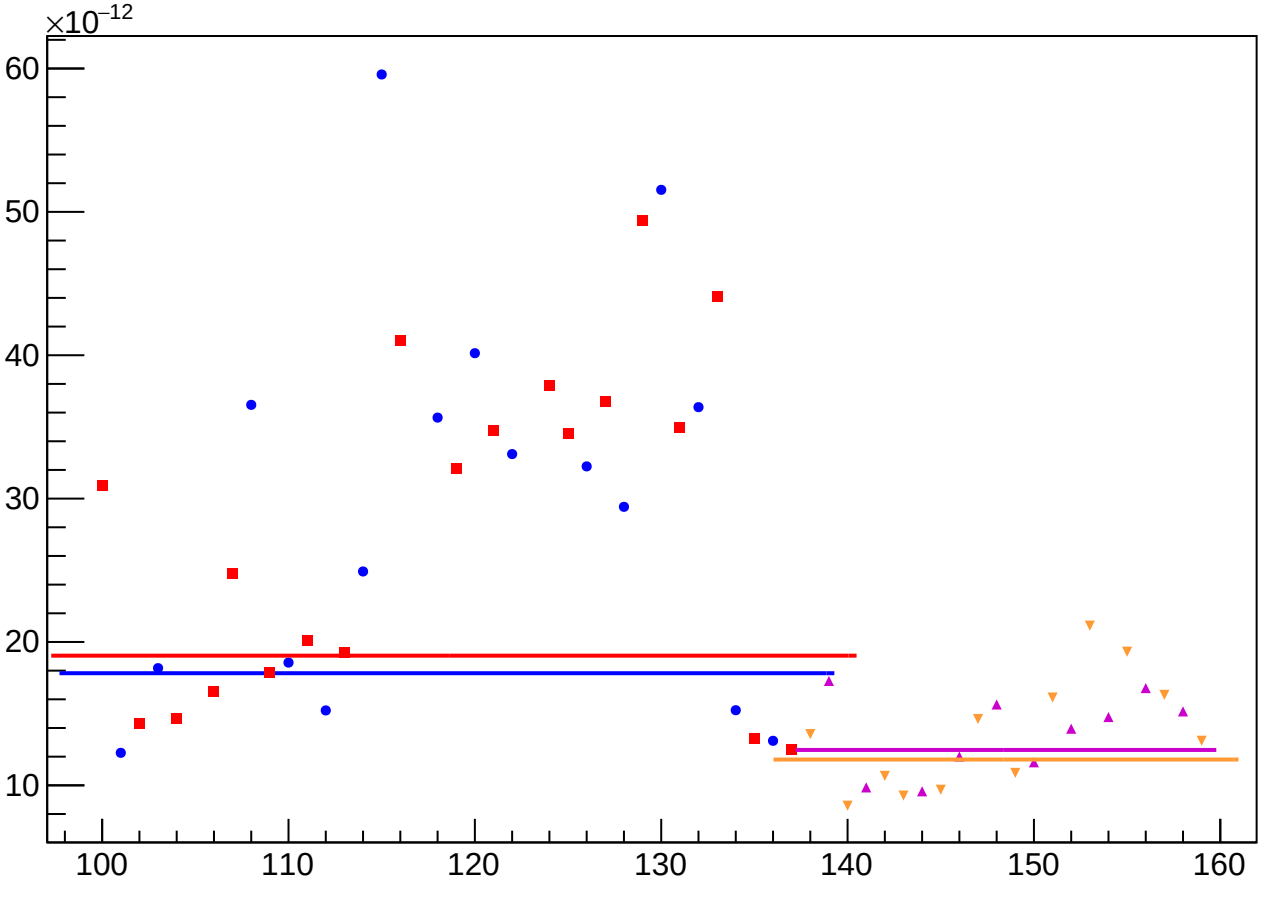
In: 30.643+/-0.006 χ^2/NDF:4541771.9/25

Out: 31.611+/-0.006 χ^2/NDF:4320522.9/30

All: 31.131+/-0.004 χ^2/NDF: 8875374.7/56


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:8.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:8.8/9
Left: 0.000+/-0.000 χ²/NDF: 17.2/21
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:27.8/25
Out: 0.000+/-0.000 χ²/NDF:31.8/30
All: 0.000+/-0.000 χ²/NDF: 59.7/56

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:1013563.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:525847.3/9

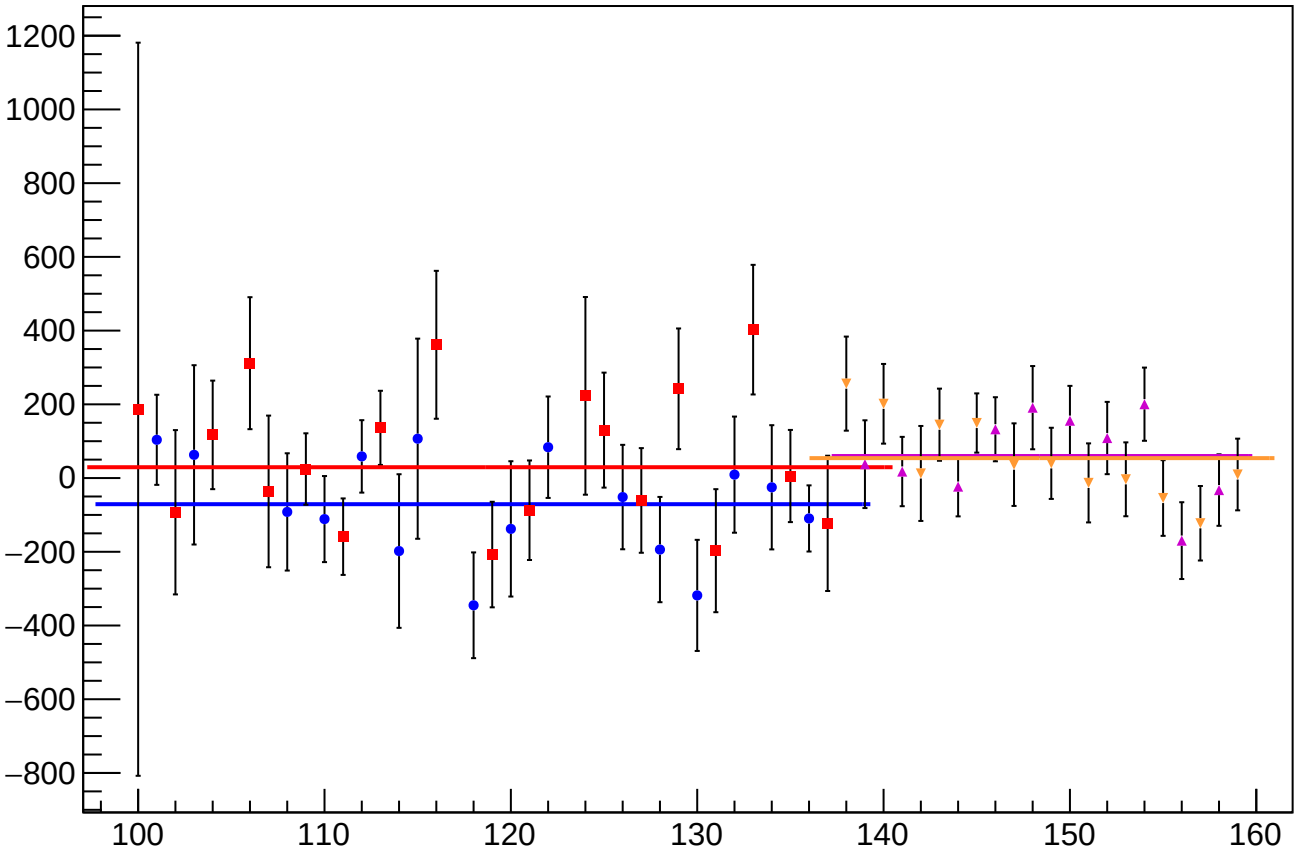
Left: 0.000+/-0.000 χ^2/NDF: 1558008.0/21

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2960548.5/25

Out: 0.000+/-0.000 χ^2/NDF:3630209.1/30

All: 0.000+/-0.000 χ^2/NDF: 6606706.0/56



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 54.052+/-29.633 χ^2/NDF:11.9/11

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 59.790+/-30.660 χ^2/NDF:12.4/9

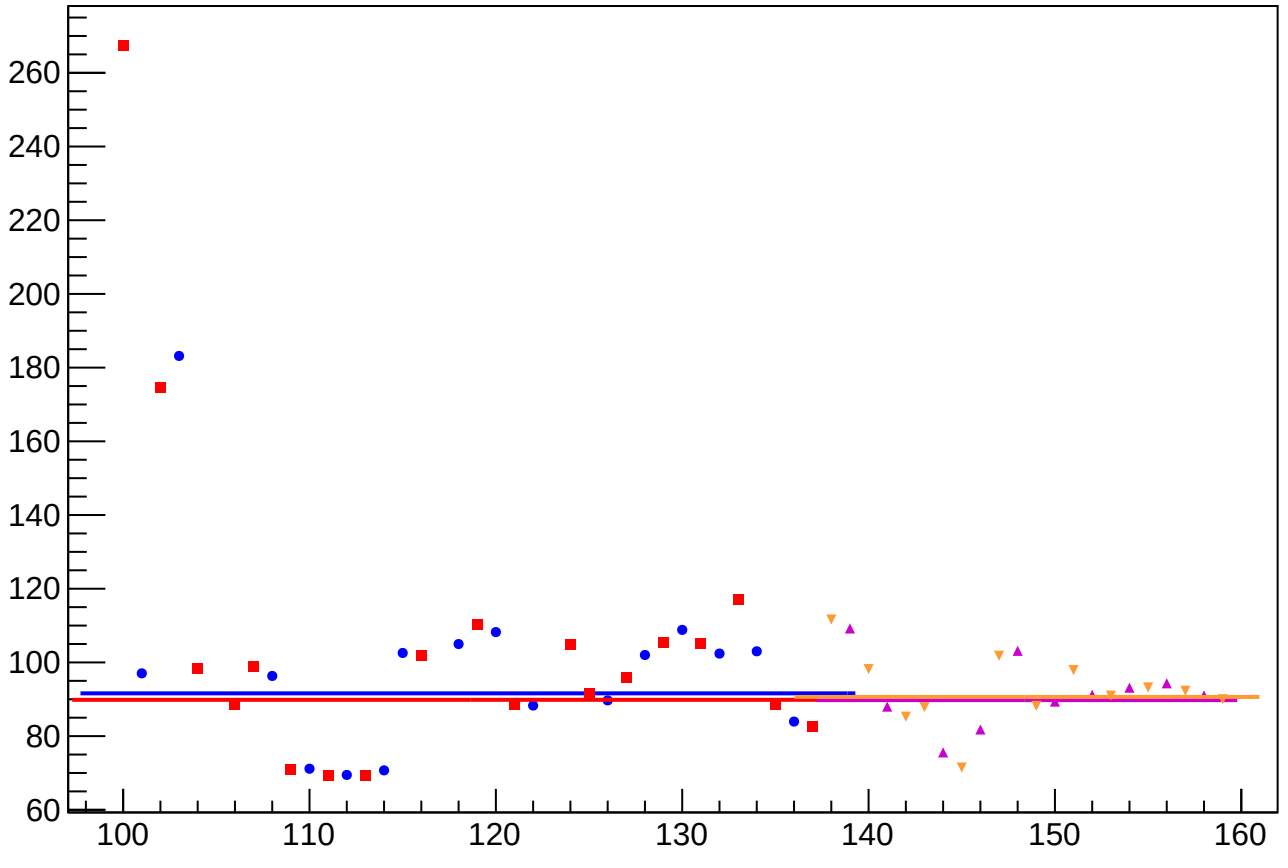
Left: 56.823+/-21.308 χ^2/NDF: 24.3/21

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 3.274+/-23.097 χ^2/NDF:34.3/25

Out: 43.500+/-22.408 χ^2/NDF:36.2/30

All: 23.996+/-16.083 χ^2/NDF: 72.0/56



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.631+/-0.021 χ^2/NDF:214951.5/11

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

Left: 90.216+/-0.015 χ^2/NDF: 383417.7/21

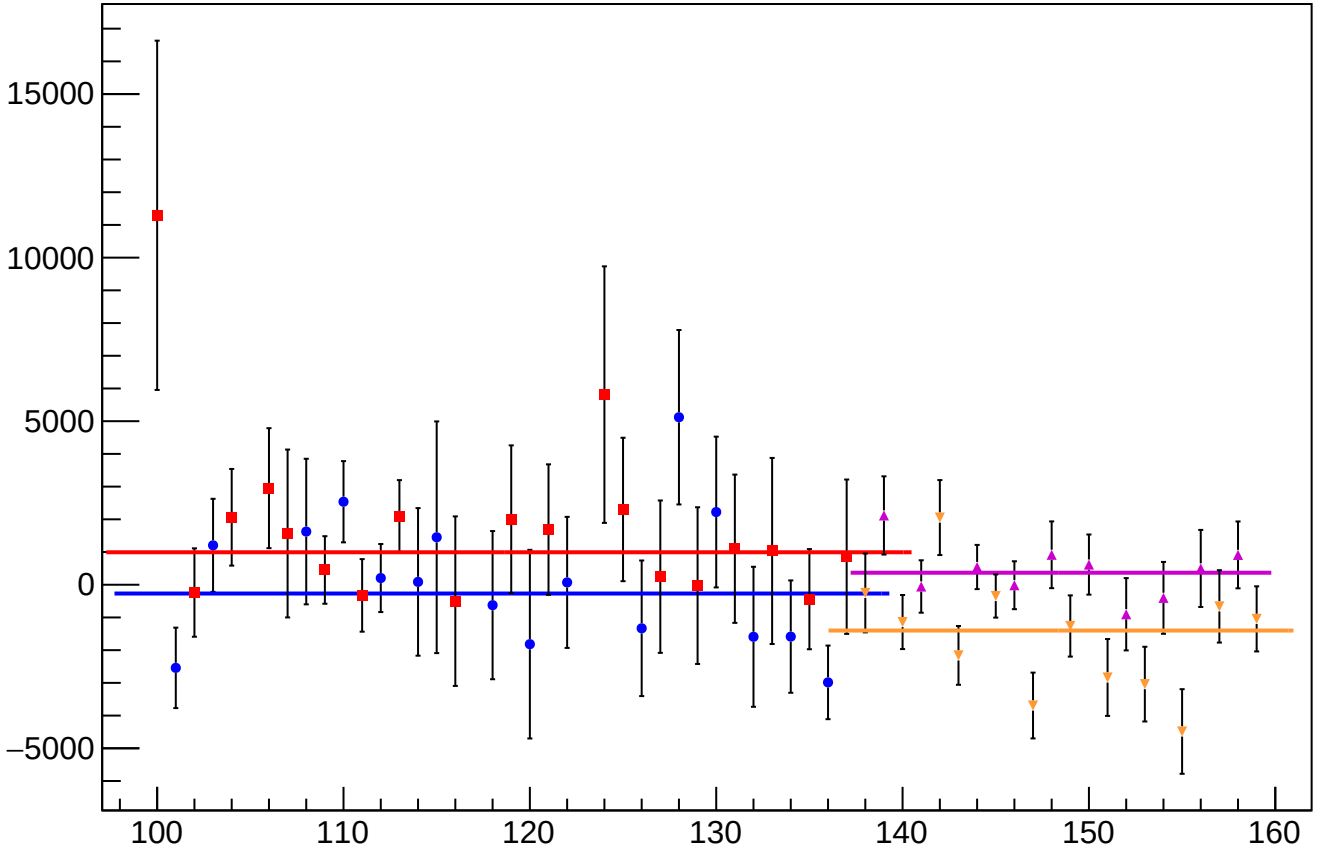
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.566+/-0.016 χ^2/NDF:751429.5/25

Out: 90.298+/-0.016 χ^2/NDF:961828.7/30

All: 90.428+/-0.011 χ^2/NDF: 1713396.2/56

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: -1399.926+/-282.945 χ^2/NDF:28.4/11

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 367.538+/-291.371 χ^2/NDF:5.2/9

Left: -542.117+/-202.986 χ^2/NDF: 52.6/21

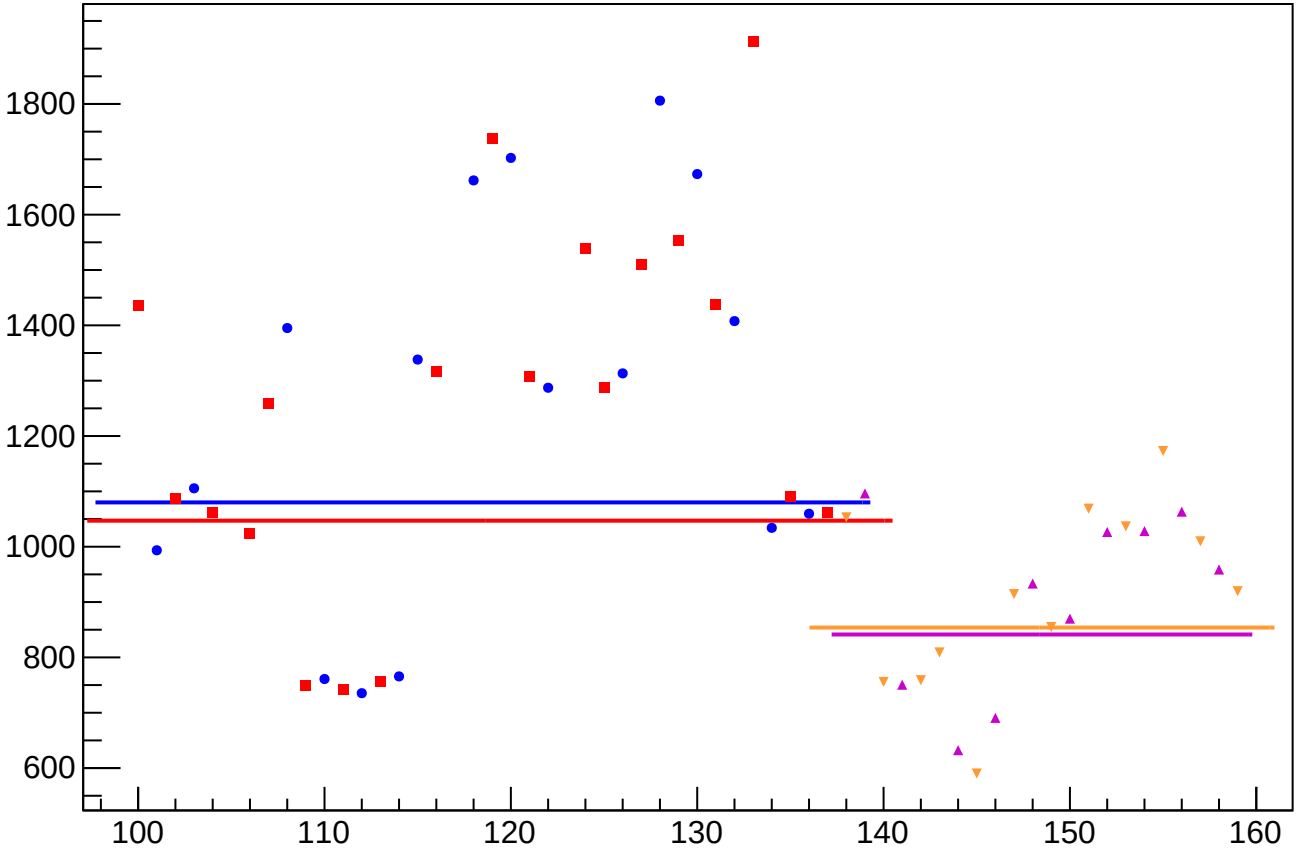
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 160.610+/-239.324 χ^2/NDF:30.2/25

Out: -604.196+/-231.154 χ^2/NDF:64.8/30

All: -235.070+/-166.264 χ^2/NDF: 100.3/56

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: 853.927+/-0.200 χ^2/NDF:716382.3/11

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 841.398+/-0.206 χ^2/NDF:622138.9/9

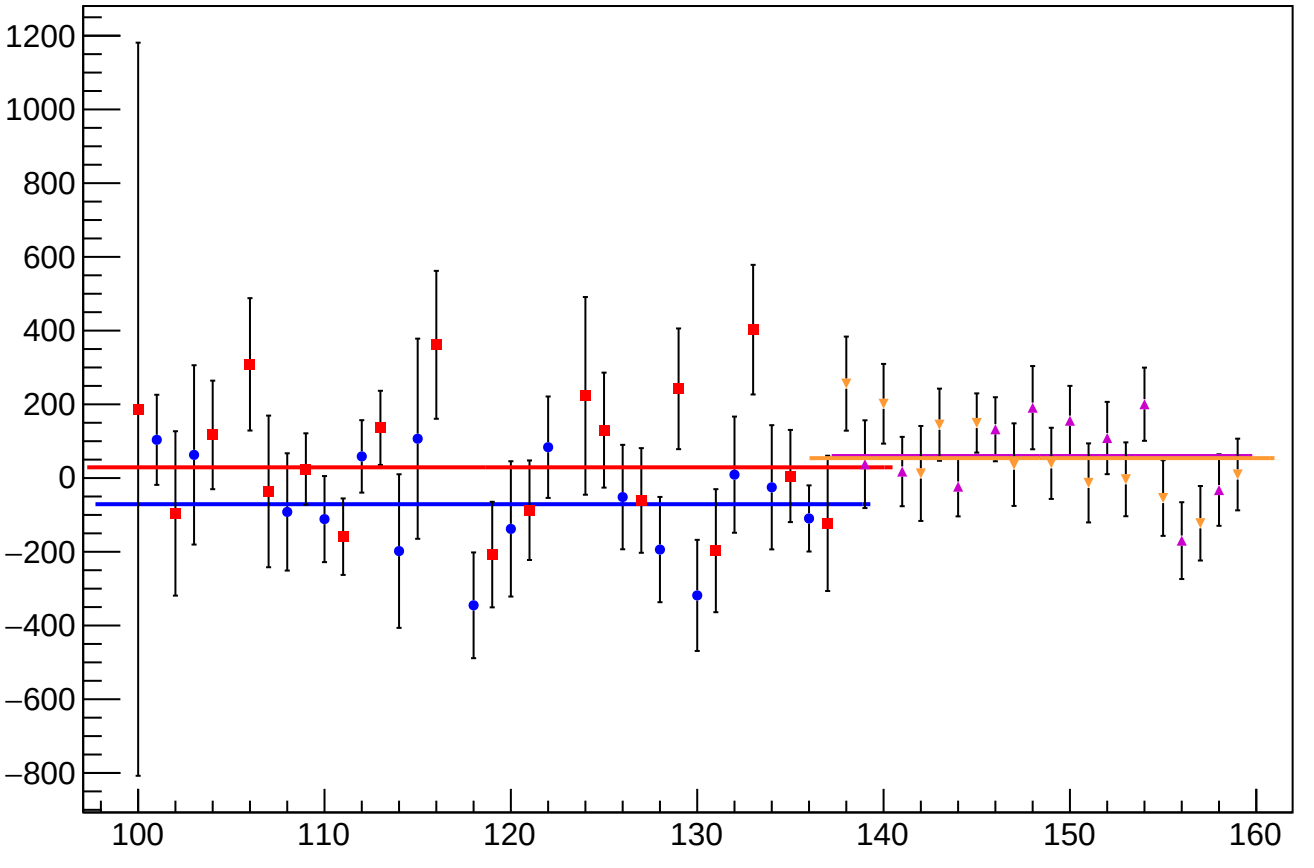
Left: 847.846+/-0.144 χ^2/NDF: 1340424.6/21

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 919.041+/-0.169 χ^2/NDF:2112122.6/25

Out: 918.162+/-0.163 χ^2/NDF:2224961.7/30

All: 918.586+/-0.118 χ^2/NDF: 4337098.3/56



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 54.054+/-29.633 χ^2/NDF:11.9/11

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 59.793+/-30.660 χ^2/NDF:12.4/9

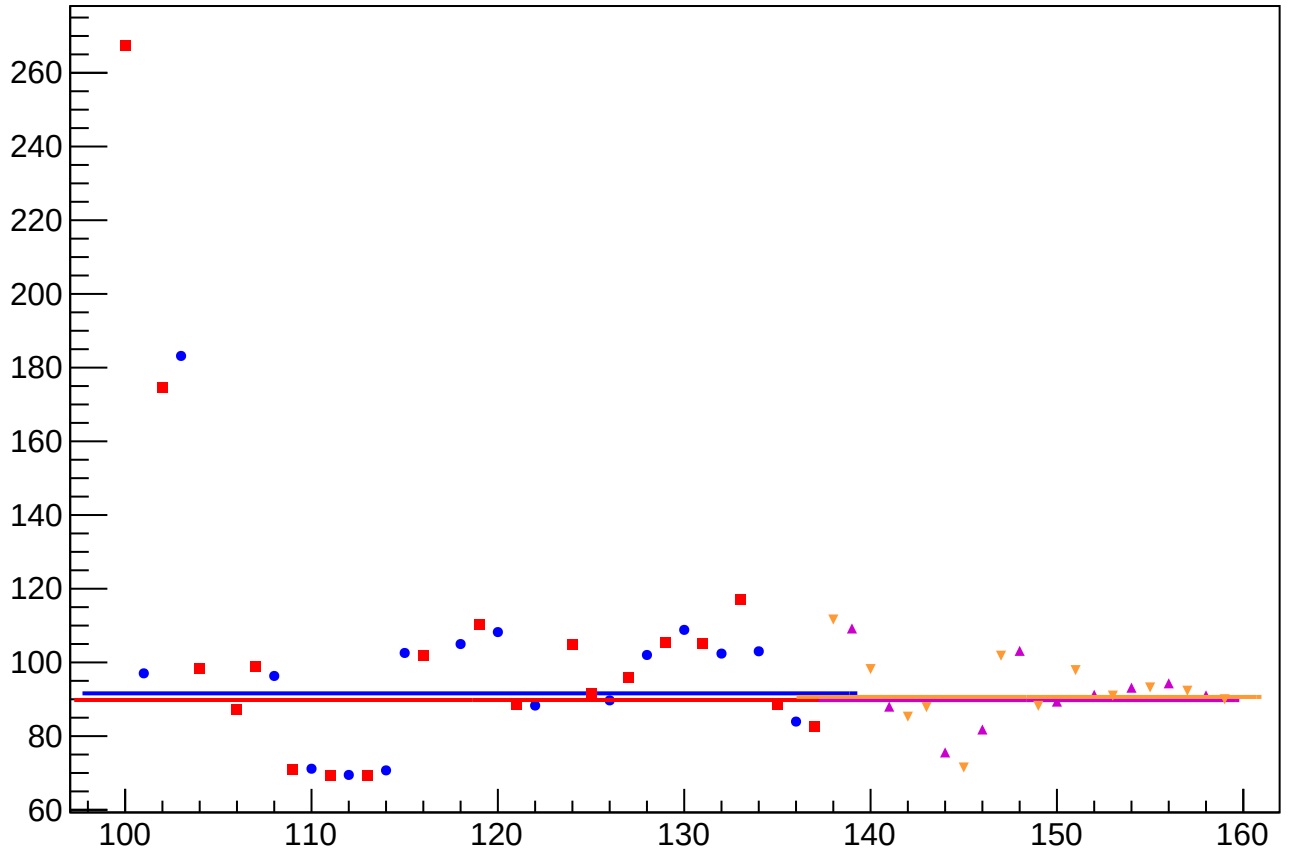
Left: 56.826+/-21.308 χ^2/NDF: 24.3/21

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 3.270+/-23.097 χ^2/NDF:34.3/25

Out: 43.396+/-22.409 χ^2/NDF:36.1/30

All: 23.940+/-16.083 χ^2/NDF: 72.0/56



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.631+/-0.021 χ^2/NDF:214951.5/11

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

Left: 90.216+/-0.015 χ^2/NDF: 383417.7/21

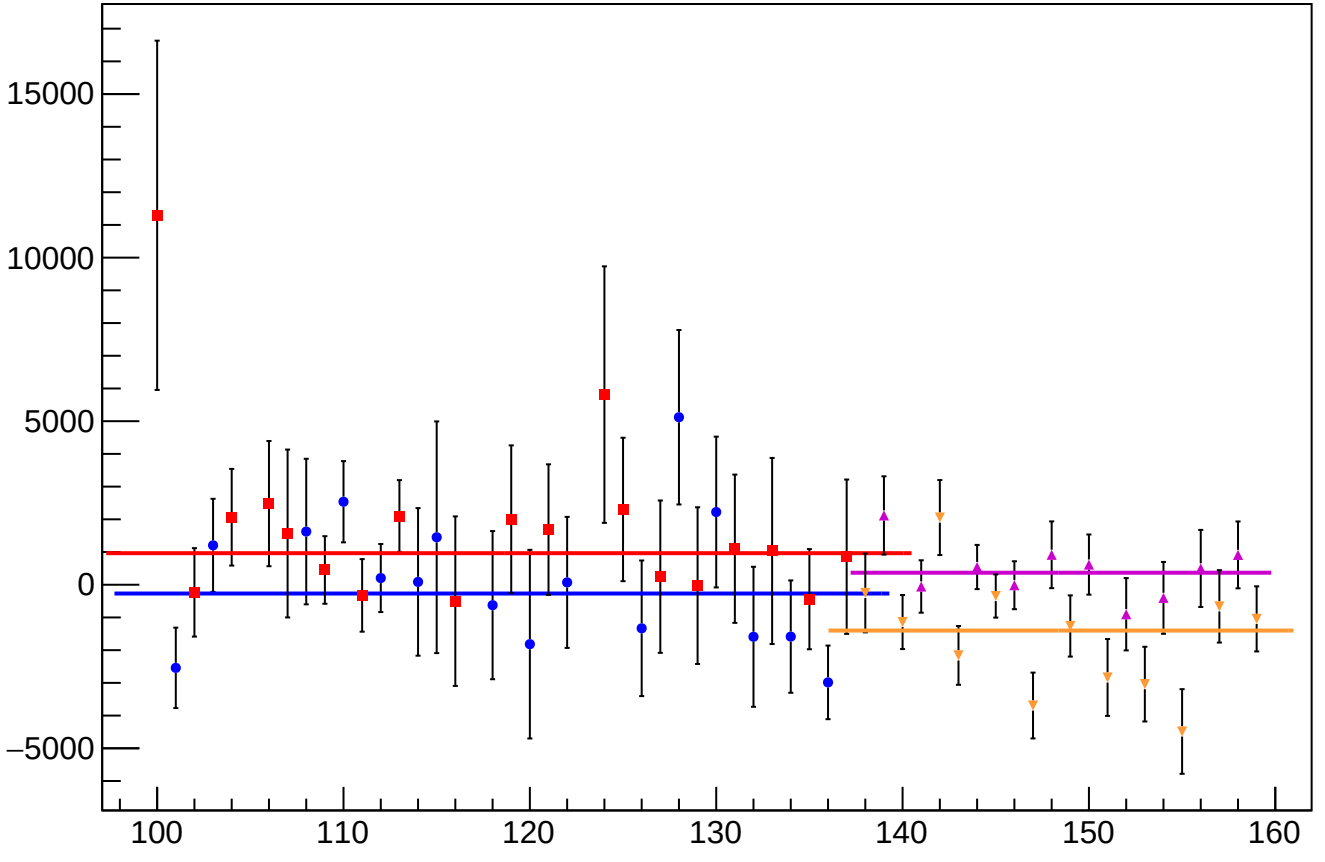
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.566+/-0.016 χ^2/NDF:751432.6/25

Out: 90.278+/-0.016 χ^2/NDF:962447.0/30

All: 90.418+/-0.011 χ^2/NDF: 1714039.4/56

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: -1399.923+/-282.945 χ^2/NDF:28.4/11

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 367.545+/-291.371 χ^2/NDF:5.2/9

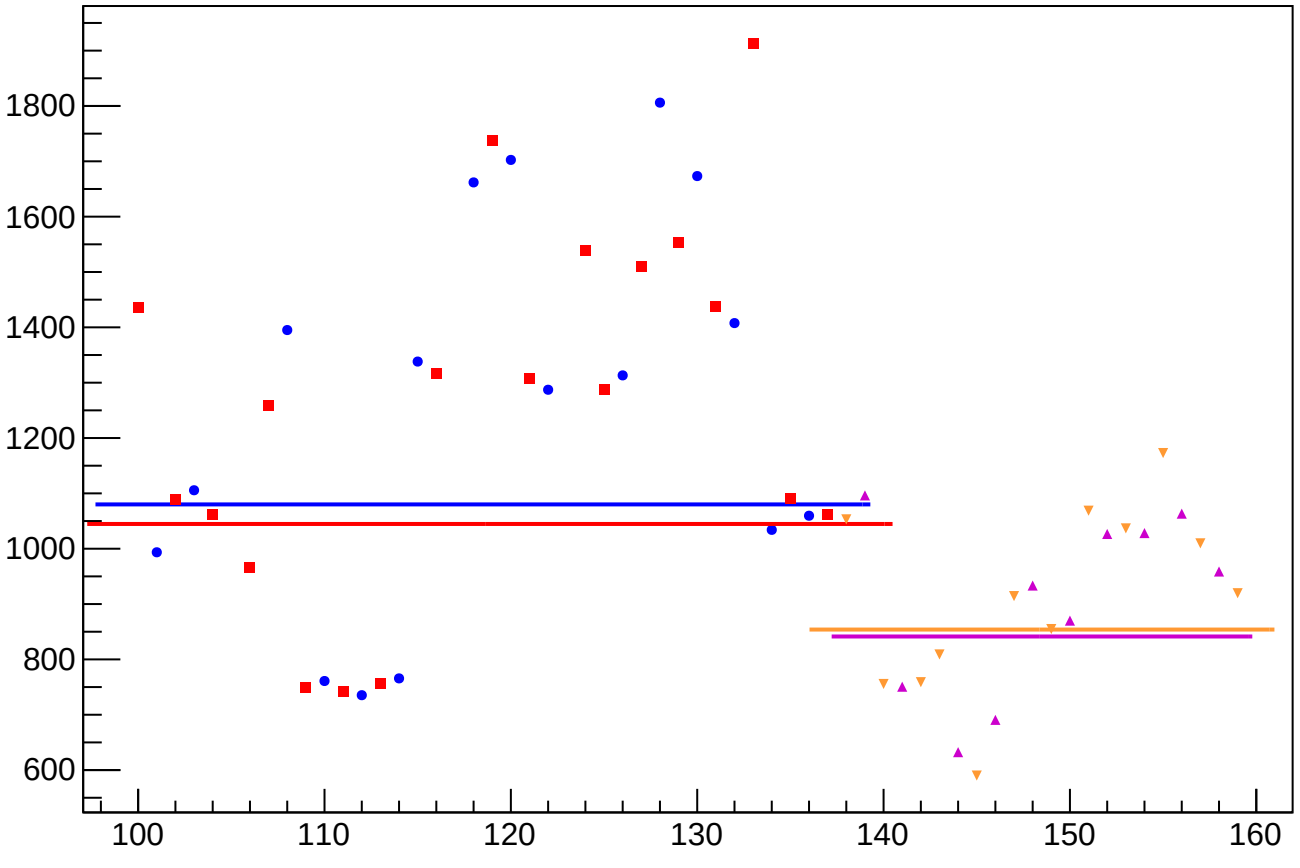
Left: -542.113+/-202.986 χ^2/NDF: 52.6/21

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 160.610+/-239.324 χ^2/NDF:30.2/25

Out: -615.516+/-231.309 χ^2/NDF:63.7/30

All: -240.668+/-166.322 χ^2/NDF: 99.3/56



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 853.927+/-0.200 χ^2/NDF:716385.0/11

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

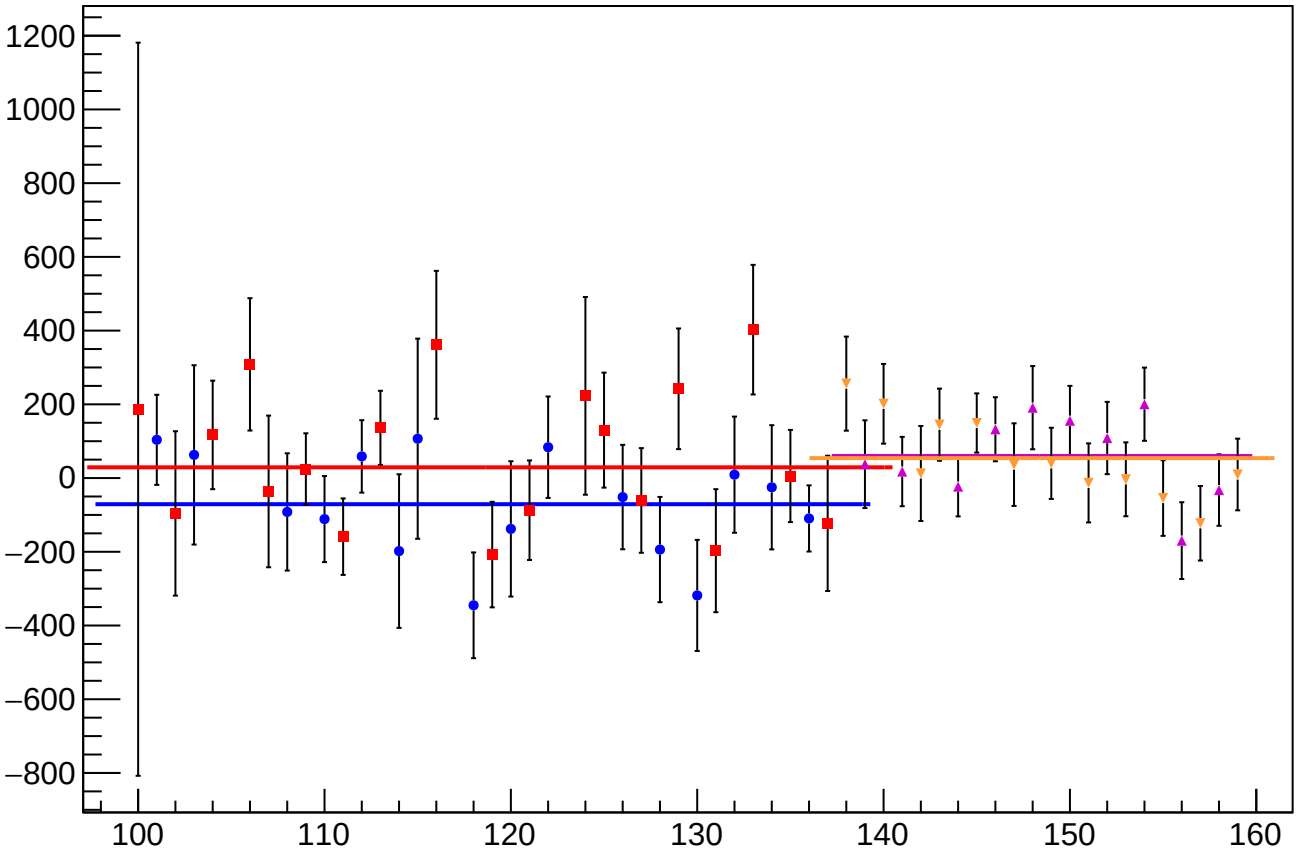
Left: 847.846+/-0.144 χ^2/NDF: 1340425.7/21

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 919.043+/-0.169 χ^2/NDF:2112153.3/25

Out: 917.209+/-0.164 χ^2/NDF:2219832.4/30

All: 918.095+/-0.118 χ^2/NDF: 4332046.4/56



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 54.054+/-29.633 χ^2/NDF:11.9/11

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 59.793+/-30.660 χ^2/NDF:12.4/9

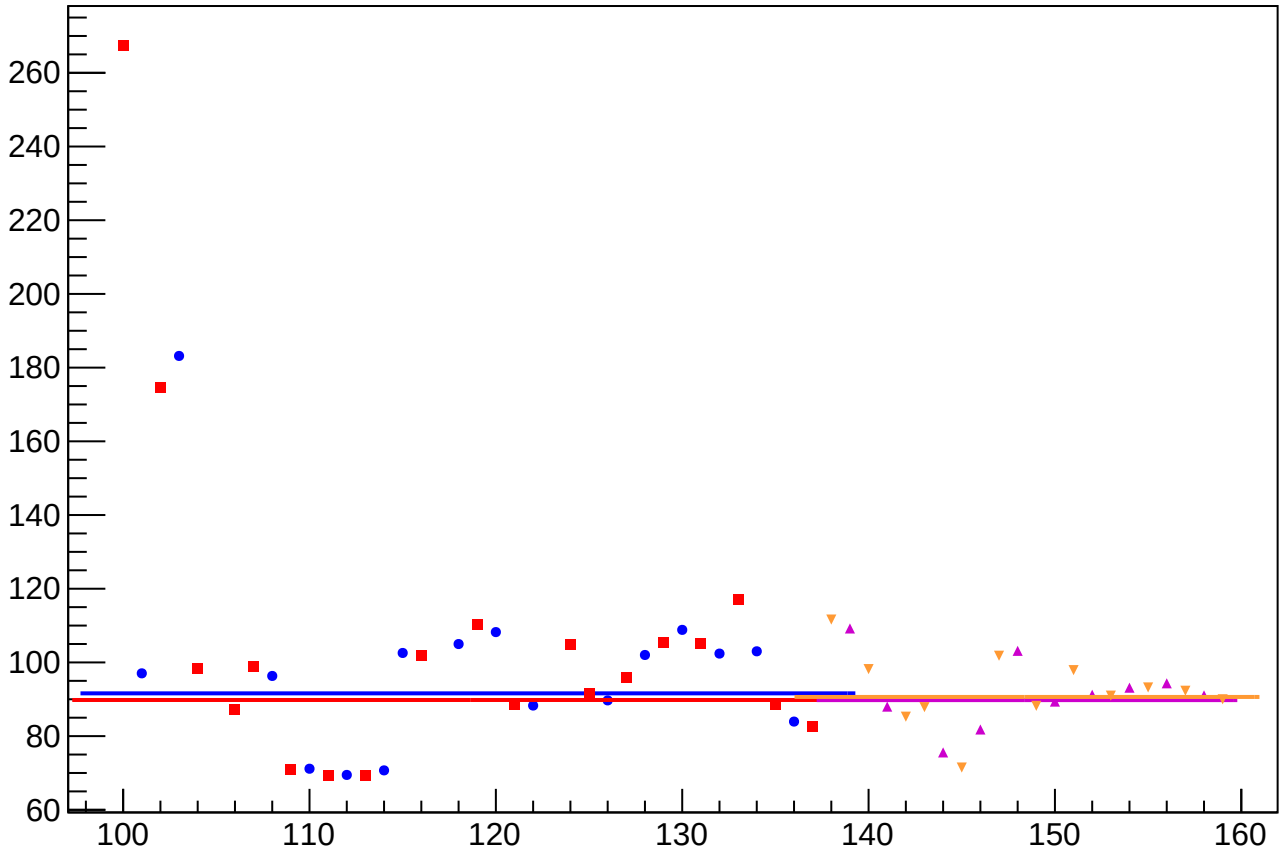
Left: 56.826+/-21.308 χ^2/NDF: 24.3/21

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 3.270+/-23.097 χ^2/NDF:34.3/25

Out: 43.396+/-22.409 χ^2/NDF:36.1/30

All: 23.940+/-16.083 χ^2/NDF: 72.0/56



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.631+/-0.021 χ^2/NDF:214951.5/11

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

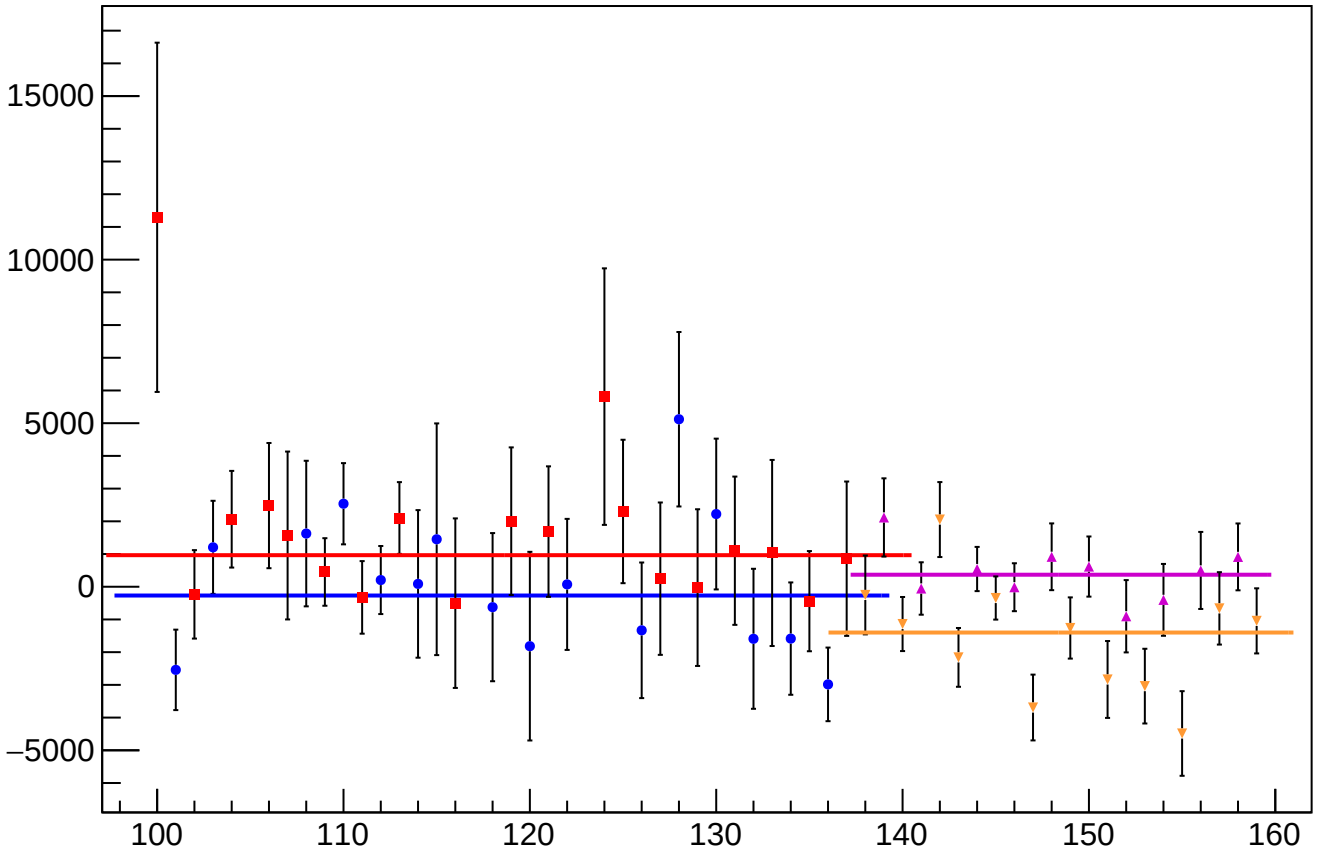
Left: 90.216+/-0.015 χ^2/NDF: 383417.7/21

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.566+/-0.016 χ^2/NDF:751432.6/25

Out: 90.278+/-0.016 χ^2/NDF:962447.0/30

All: 90.418+/-0.011 χ^2/NDF: 1714039.4/56



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1399.923+/-282.945 χ^2/NDF:28.4/11

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 367.545+/-291.371 χ^2/NDF:5.2/9

Left: -542.113+/-202.986 χ^2/NDF: 52.6/21

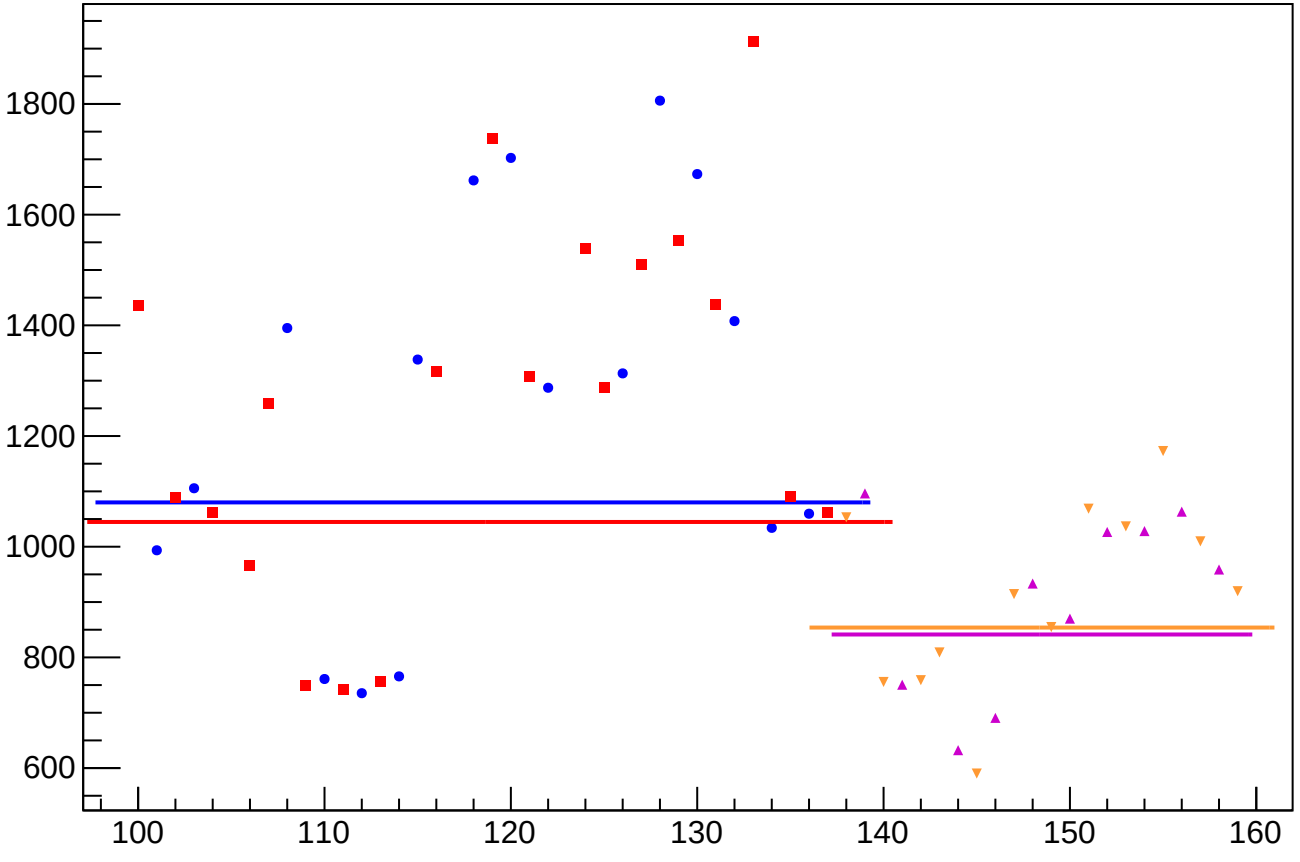
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 160.610+/-239.324 χ^2/NDF:30.2/25

Out: -615.516+/-231.309 χ^2/NDF:63.7/30

All: -240.668+/-166.322 χ^2/NDF: 99.3/56

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 853.927+/-0.200 χ^2/NDF:716385.0/11

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

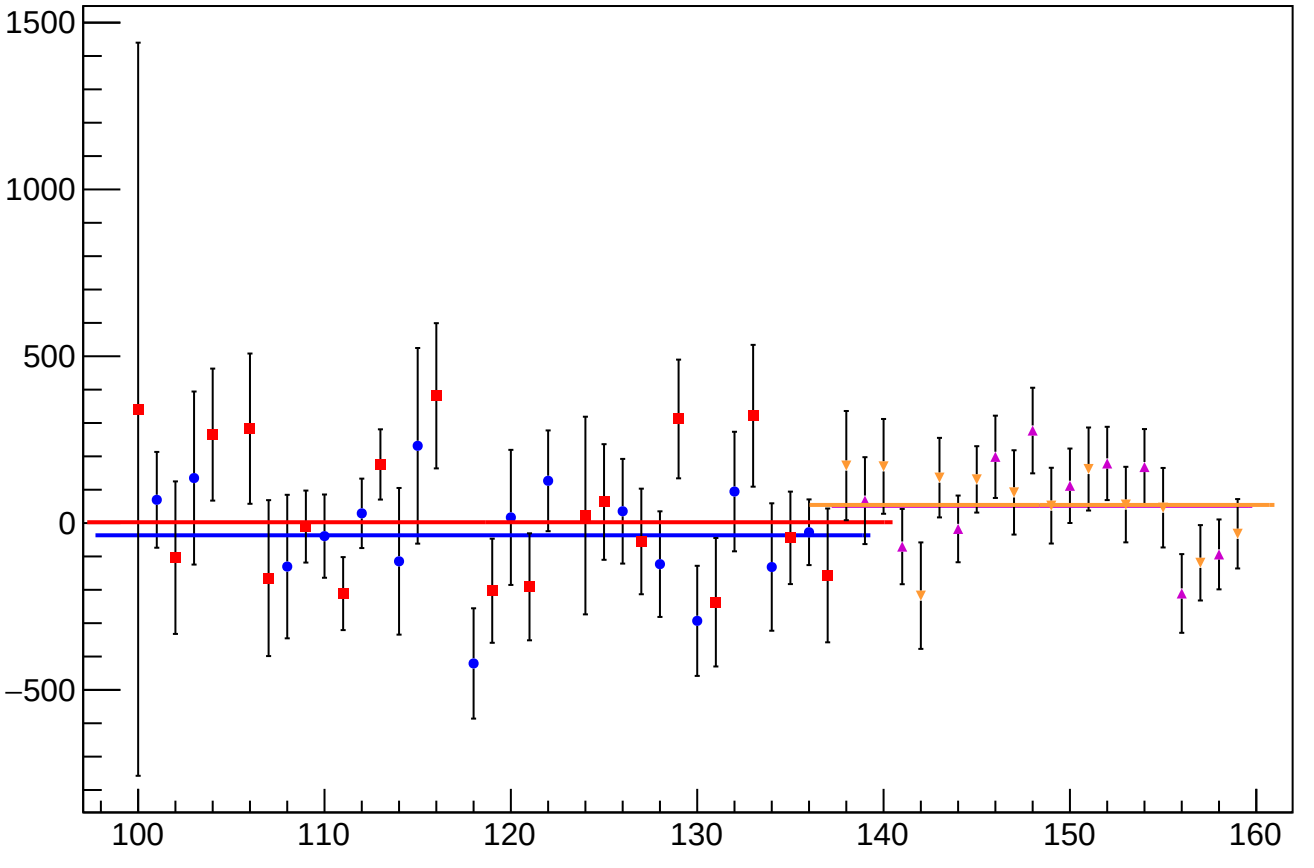
Left: 847.846+/-0.144 χ^2/NDF: 1340425.7/21

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 919.043+/-0.169 χ^2/NDF:2112153.3/25

Out: 917.209+/-0.164 χ^2/NDF:2219832.4/30

All: 918.095+/-0.118 χ^2/NDF: 4332046.4/56



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 54.400+/-34.888 χ^2/NDF:9.0/11

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 51.662+/-36.095 χ^2/NDF:15.7/9

Left: 53.078+/-25.086 χ^2/NDF: 24.8/21

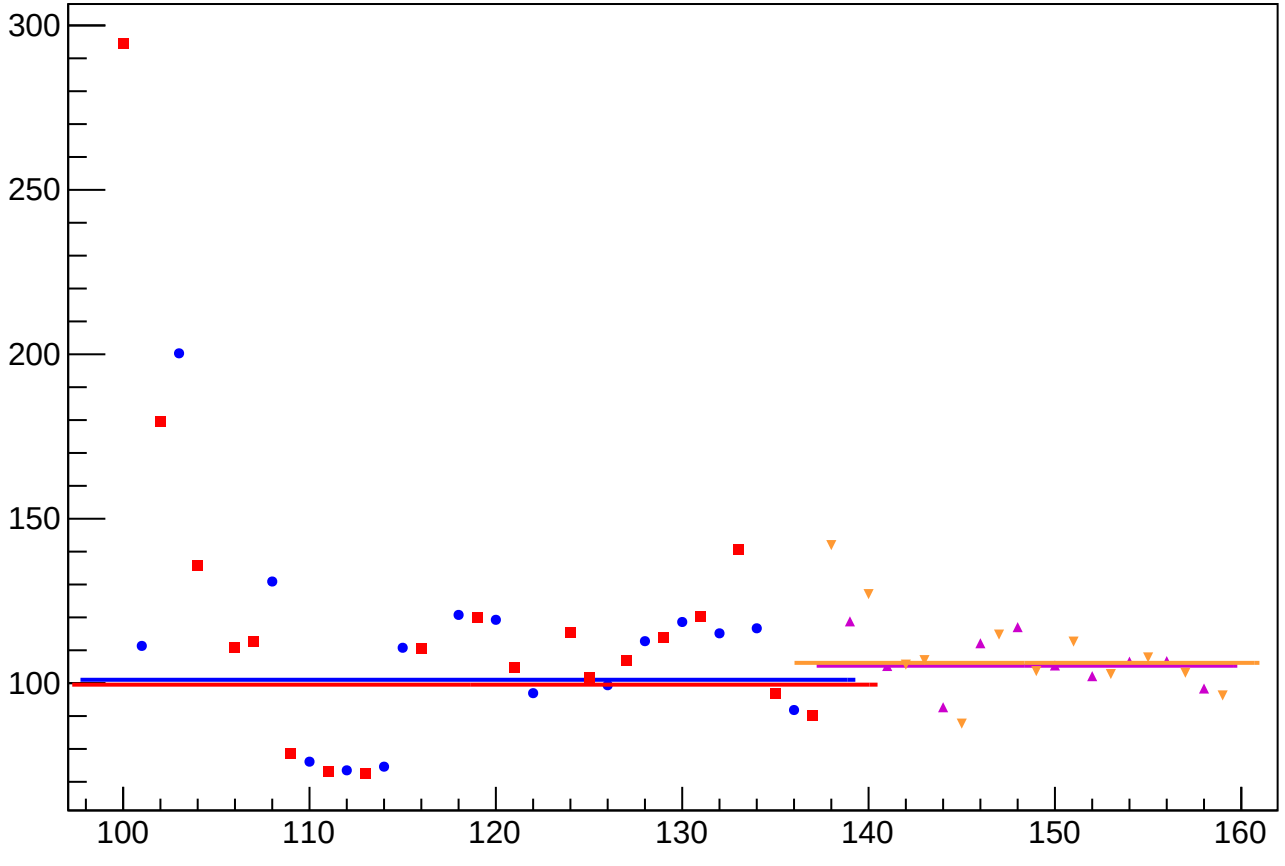
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 10.934+/-26.488 χ^2/NDF:31.4/25

Out: 30.804+/-25.750 χ^2/NDF:34.8/30

All: 21.150+/-18.463 χ^2/NDF: 66.5/56

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.176+/-0.025 χ^2/NDF:245492.3/11

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.302+/-0.026 χ^2/NDF:87198.6/9

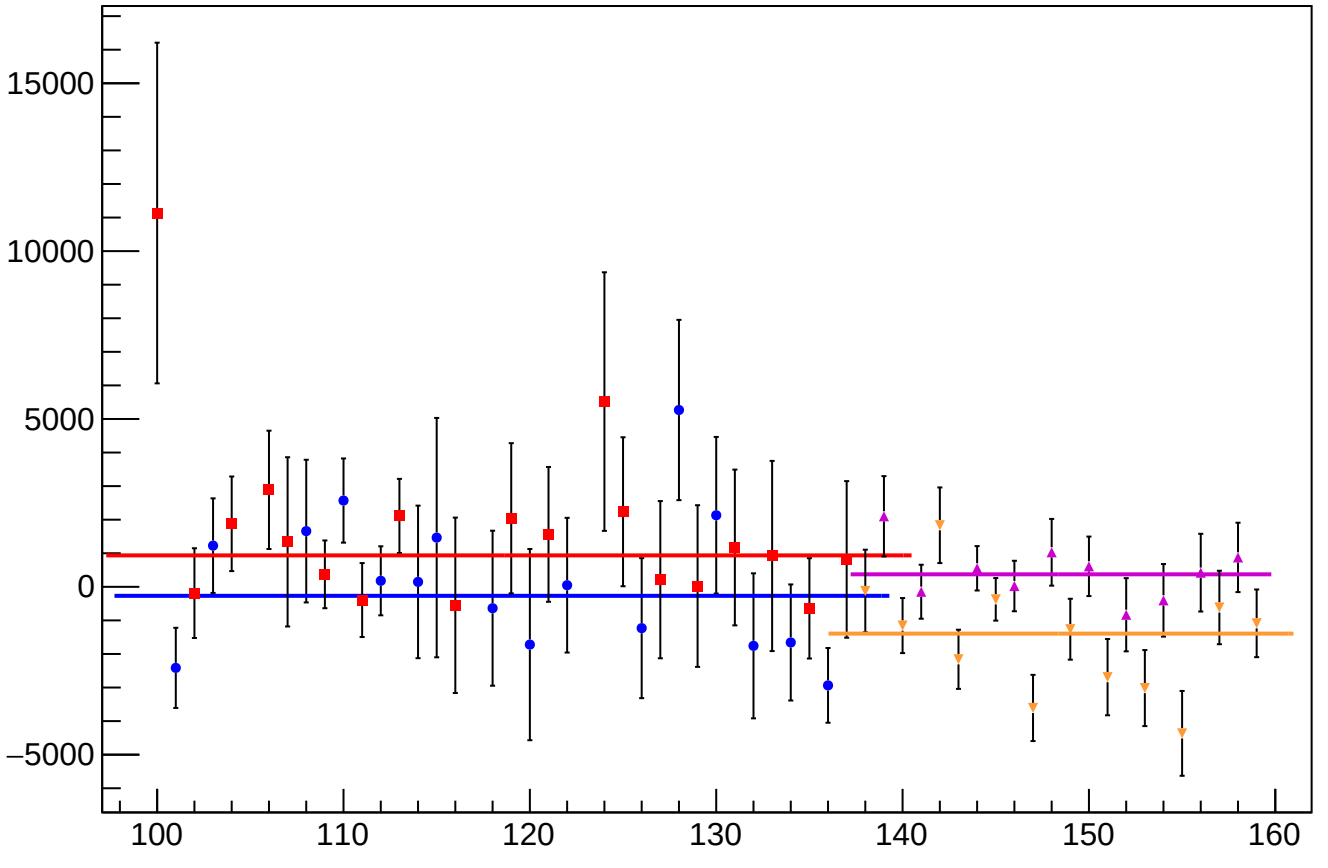
Left: 105.754+/-0.018 χ^2/NDF: 333297.2/21

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.331+/-0.019 χ^2/NDF:816217.2/25

Out: 103.158+/-0.018 χ^2/NDF:1158861.7/30

All: 103.242+/-0.013 χ^2/NDF: 1975122.6/56



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1393.843+/-277.809 χ^2/NDF:27.3/11

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 372.394+/-289.049 χ^2/NDF:5.3/9

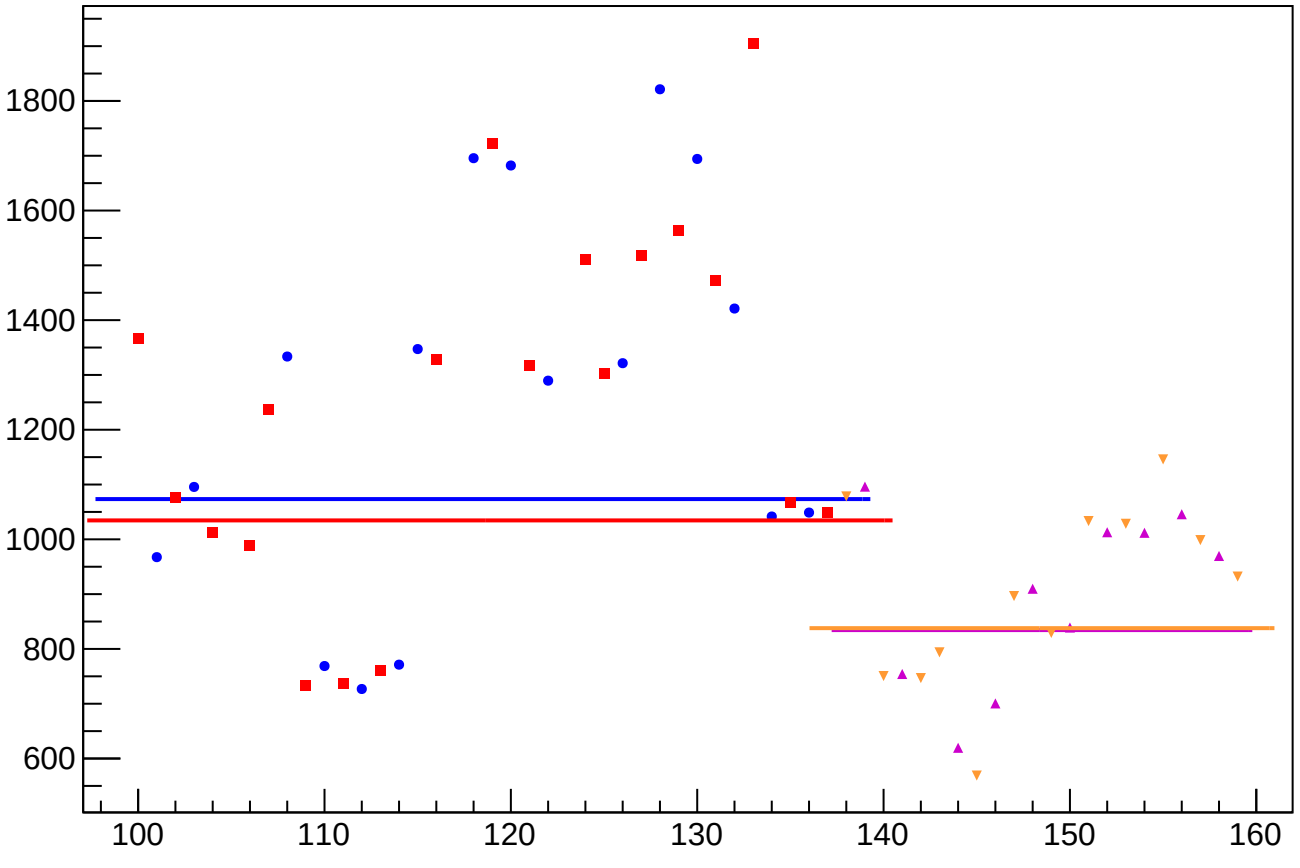
Left: -545.734+/-200.296 χ^2/NDF: 51.9/21

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 164.638+/-237.570 χ^2/NDF:30.3/25

Out: -625.764+/-227.470 χ^2/NDF:63.6/30

All: -247.722+/-164.300 χ^2/NDF: 99.7/56



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 837.913+/-0.196 χ^2/NDF:779816.3/11

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 834.390+/-0.204 χ^2/NDF:610300.2/9

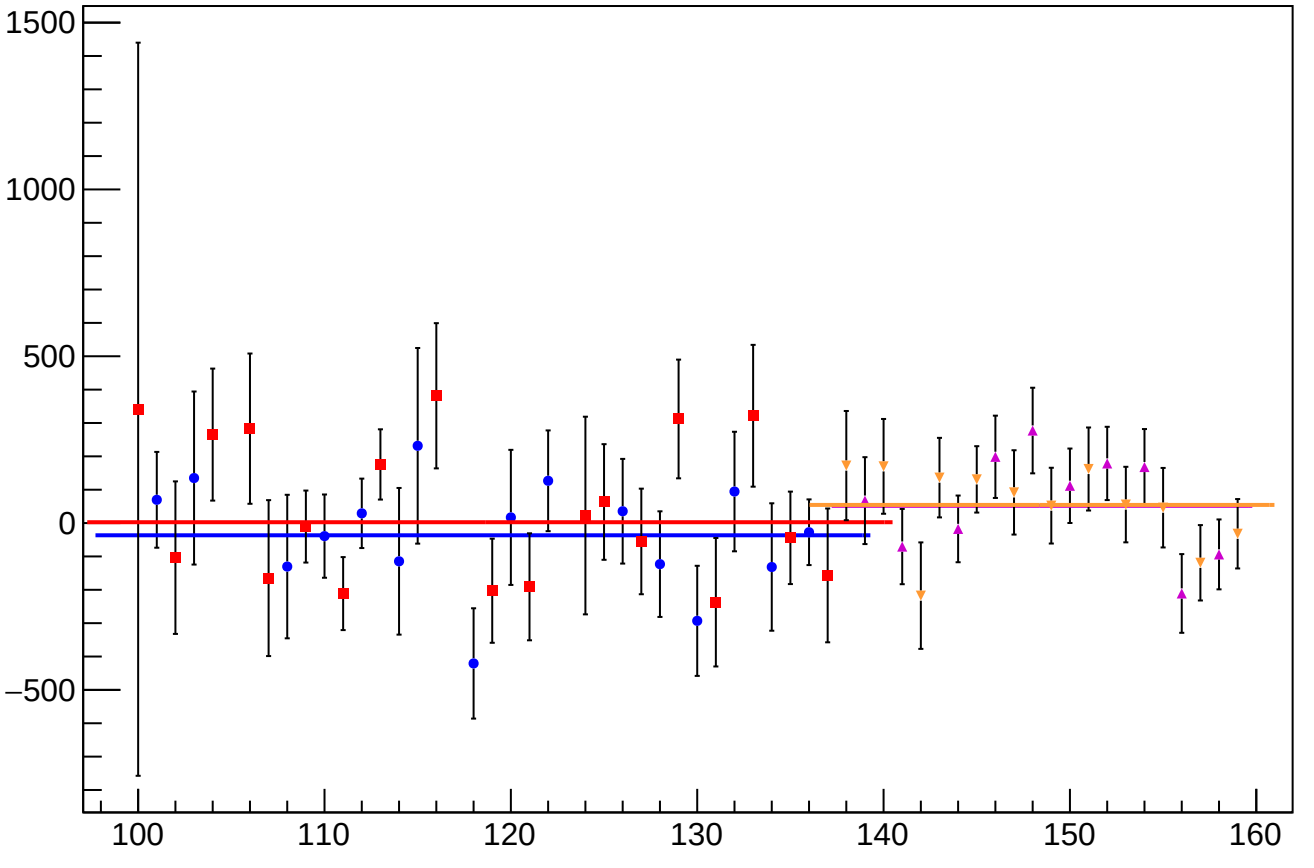
Left: 836.221+/-0.142 χ^2/NDF: 1390270.9/21

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 911.961+/-0.168 χ^2/NDF:2131277.6/25

Out: 902.713+/-0.161 χ^2/NDF:2339335.8/30

All: 907.136+/-0.116 χ^2/NDF: 4472194.4/56



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 54.402+/-34.888 χ^2/NDF:9.0/11

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 51.662+/-36.095 χ^2/NDF:15.7/9

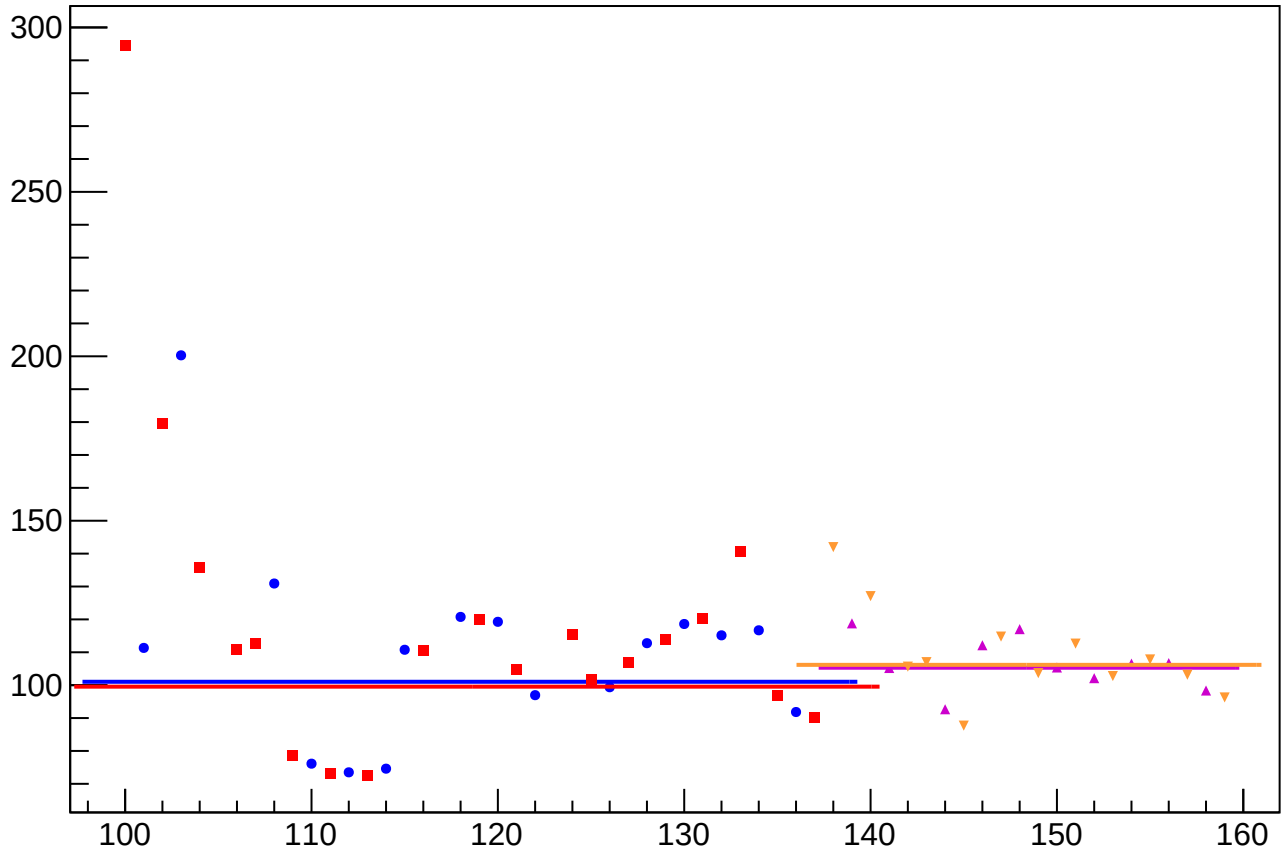
Left: 53.079+/-25.086 χ^2/NDF: 24.8/21

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 10.934+/-26.488 χ^2/NDF:31.4/25

Out: 30.804+/-25.750 χ^2/NDF:34.8/30

All: 21.150+/-18.463 χ^2/NDF: 66.5/56



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.177+/-0.025 χ^2/NDF:245487.1/11

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.303+/-0.026 χ^2/NDF:87196.7/9

Left: 105.754+/-0.018 χ^2/NDF: 333290.2/21

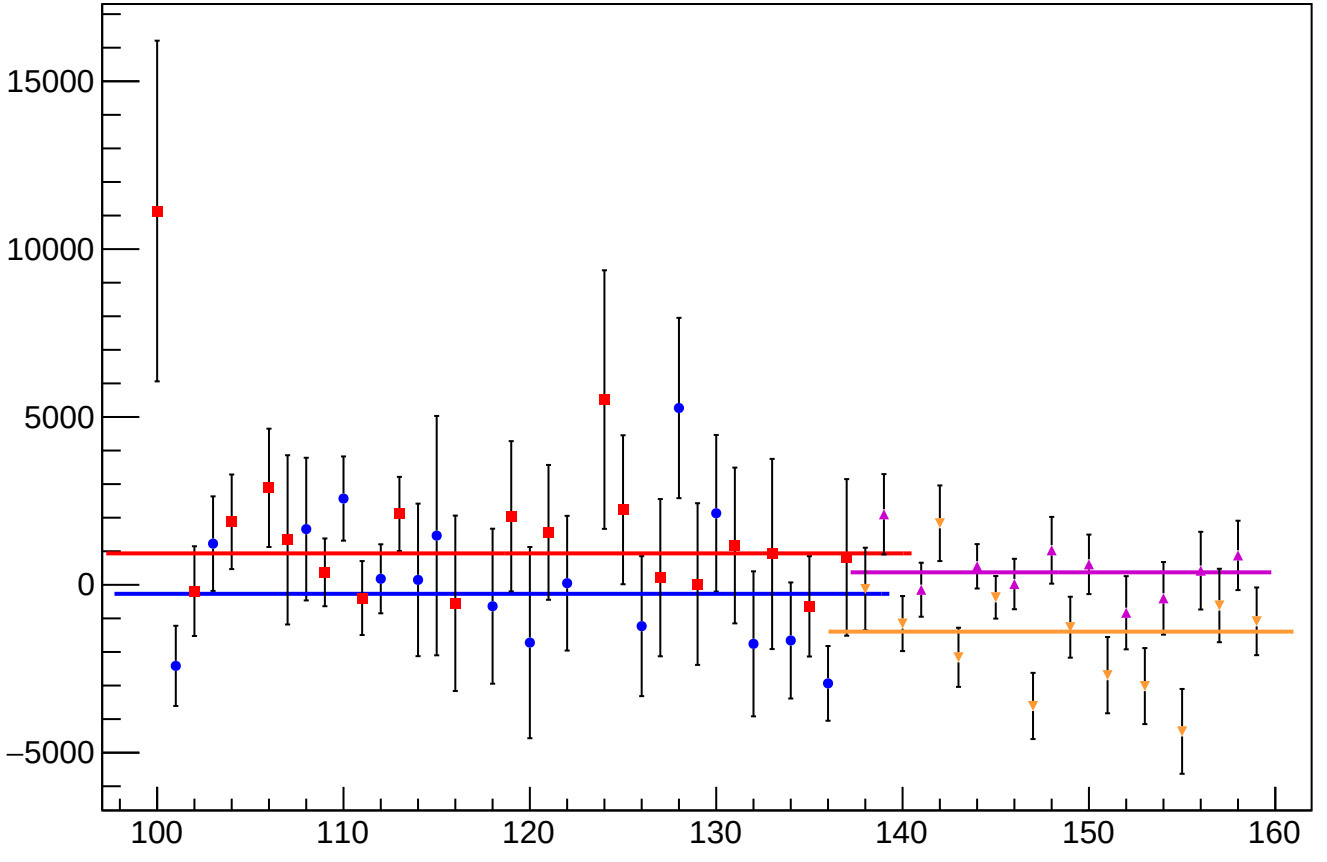
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.331+/-0.019 χ^2/NDF:816215.7/25

Out: 103.159+/-0.018 χ^2/NDF:1158861.6/30

All: 103.243+/-0.013 χ^2/NDF: 1975121.0/56

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: -1393.841+/-277.808 χ^2/NDF:27.3/11

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 372.393+/-289.049 χ^2/NDF:5.3/9

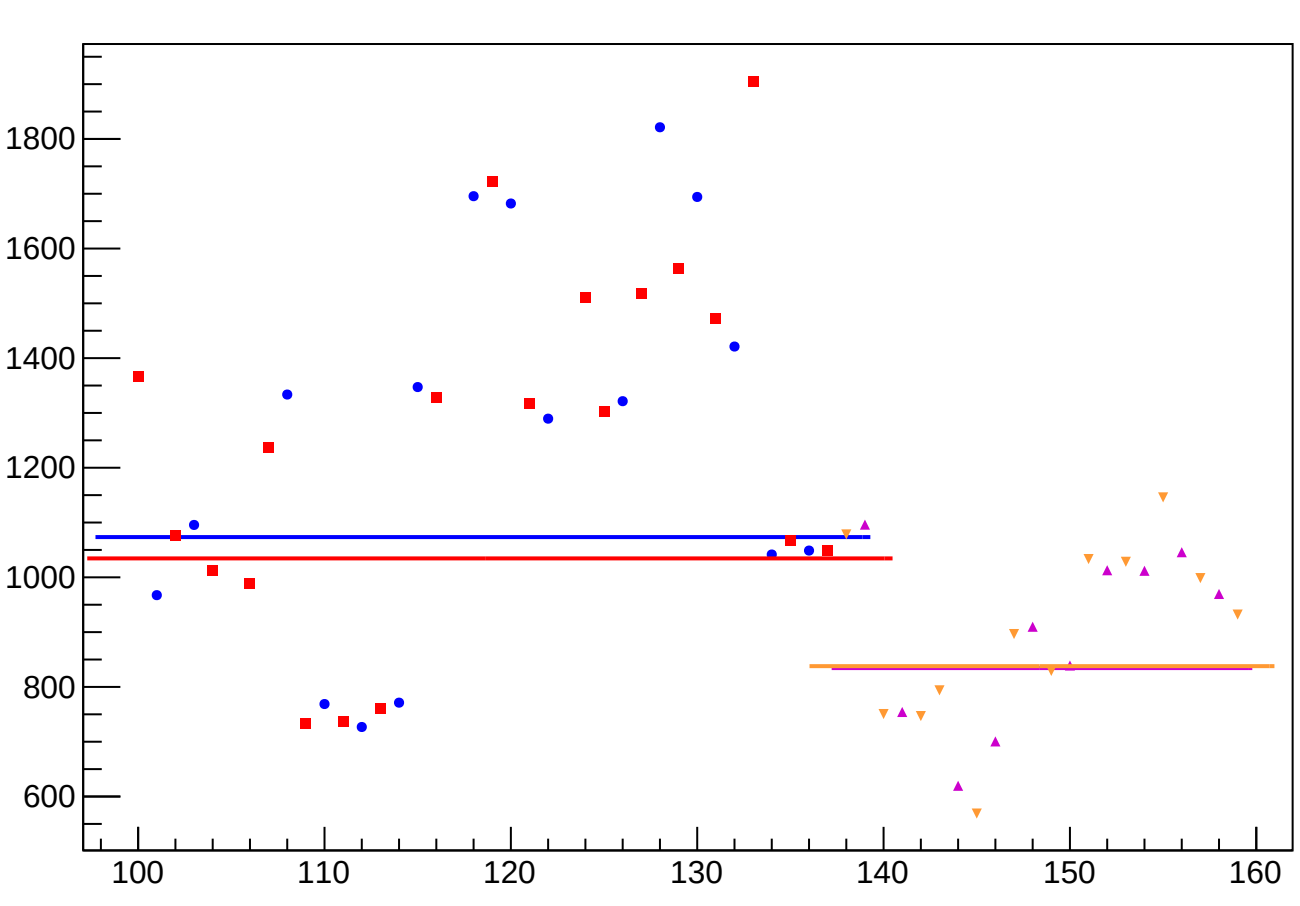
Left: -545.734+/-200.296 χ^2/NDF: 51.9/21

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 164.638+/-237.570 χ^2/NDF:30.3/25

Out: -625.763+/-227.469 χ^2/NDF:63.6/30

All: -247.722+/-164.300 χ^2/NDF: 99.7/56



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 837.912+/-0.196 χ^2/NDF:779819.2/11

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 834.389+/-0.204 χ^2/NDF:610299.1/9

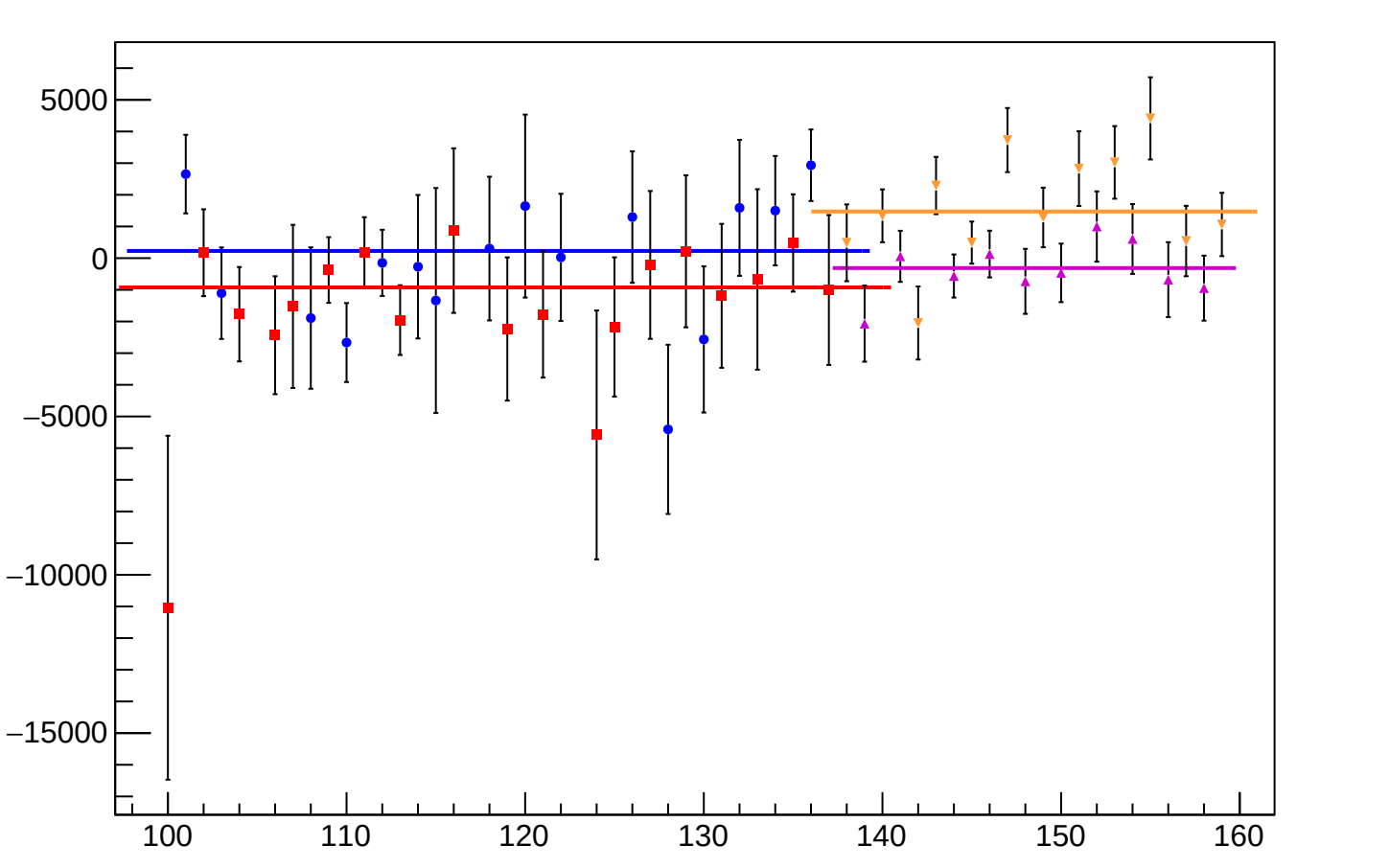
Left: 836.220+/-0.142 χ^2/NDF: 1390272.7/21

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 911.960+/-0.168 χ^2/NDF:2131279.6/25

Out: 902.712+/-0.161 χ^2/NDF:2339340.9/30

All: 907.135+/-0.116 χ^2/NDF: 4472201.7/56



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1471.956+/-284.648 χ^2/NDF:27.2/11

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -312.615+/-293.105 χ^2/NDF:5.6/9

Left: 605.788+/-204.201 χ^2/NDF: 51.9/21

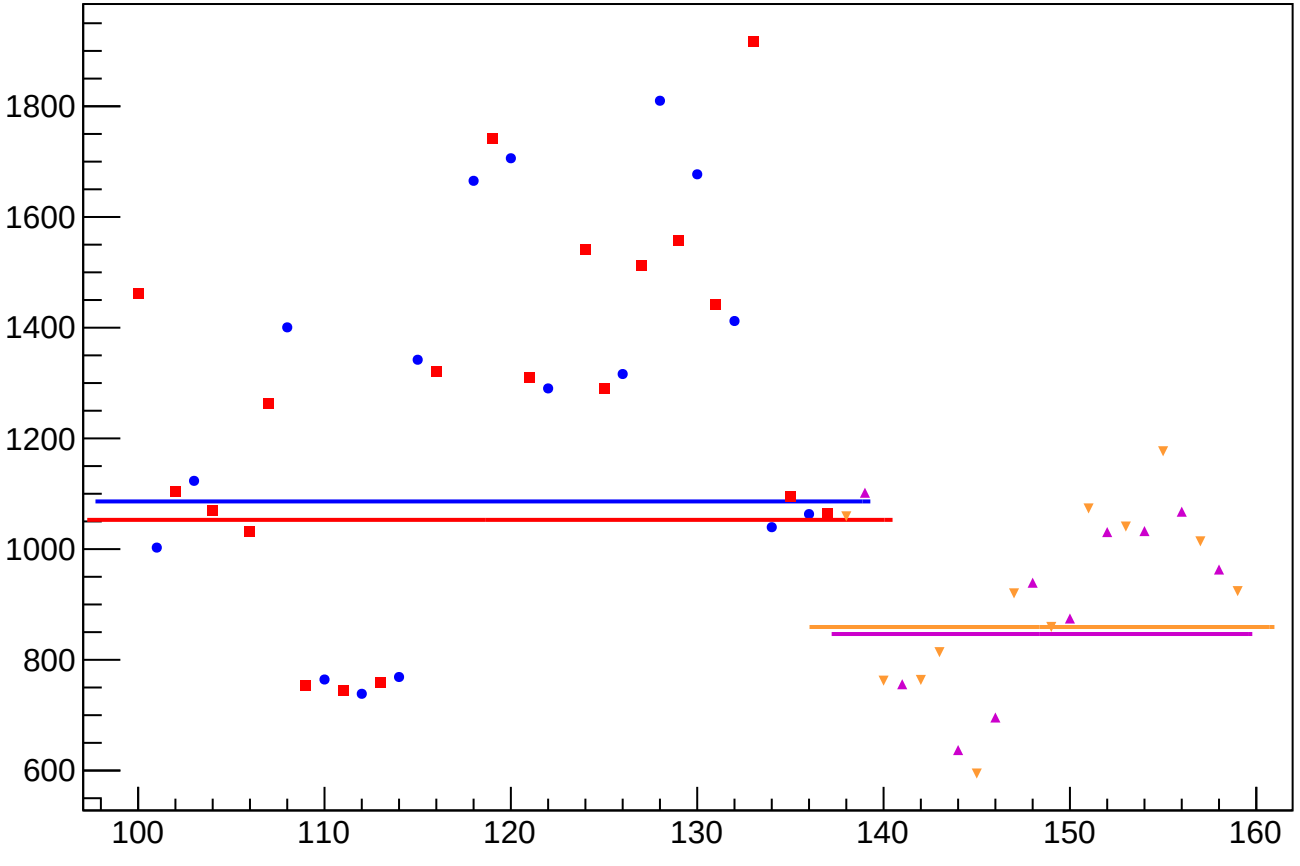
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -136.756+/-240.704 χ^2/NDF:31.2/25

Out: 674.873+/-232.519 χ^2/NDF:61.9/30

All: 283.092+/-167.235 χ^2/NDF: 99.0/56

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 859.296+/-0.201 χ^2/NDF:707171.7/11

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 846.623+/-0.207 χ^2/NDF:614387.6/9

Left: 853.145+/-0.144 χ^2/NDF: 1323483.5/21

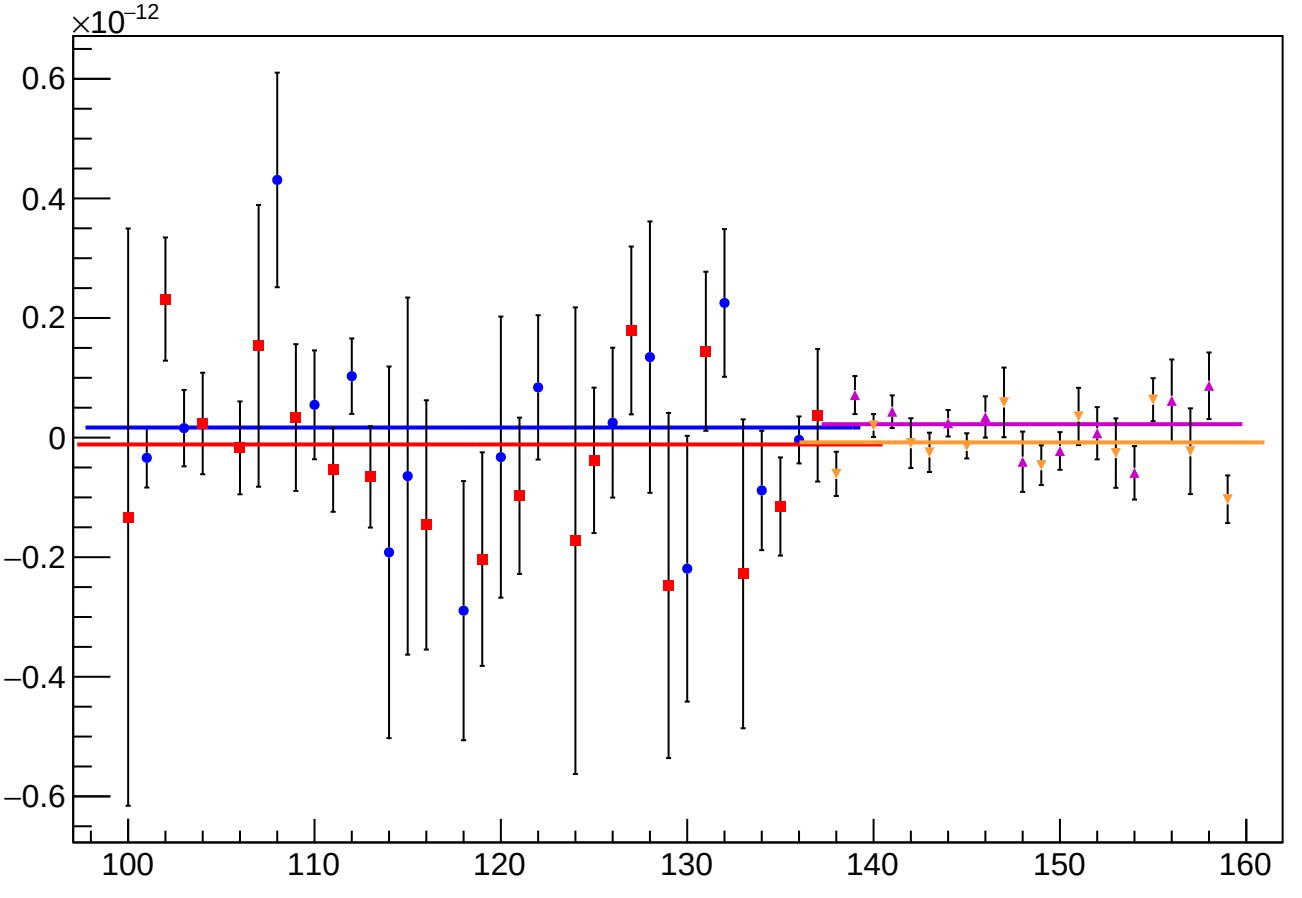
Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 924.608+/-0.170 χ^2/NDF:2096699.8/25

Out: 923.691+/-0.164 χ^2/NDF:2209216.0/30

All: 924.133+/-0.118 χ^2/NDF: 4305930.7/56

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/9

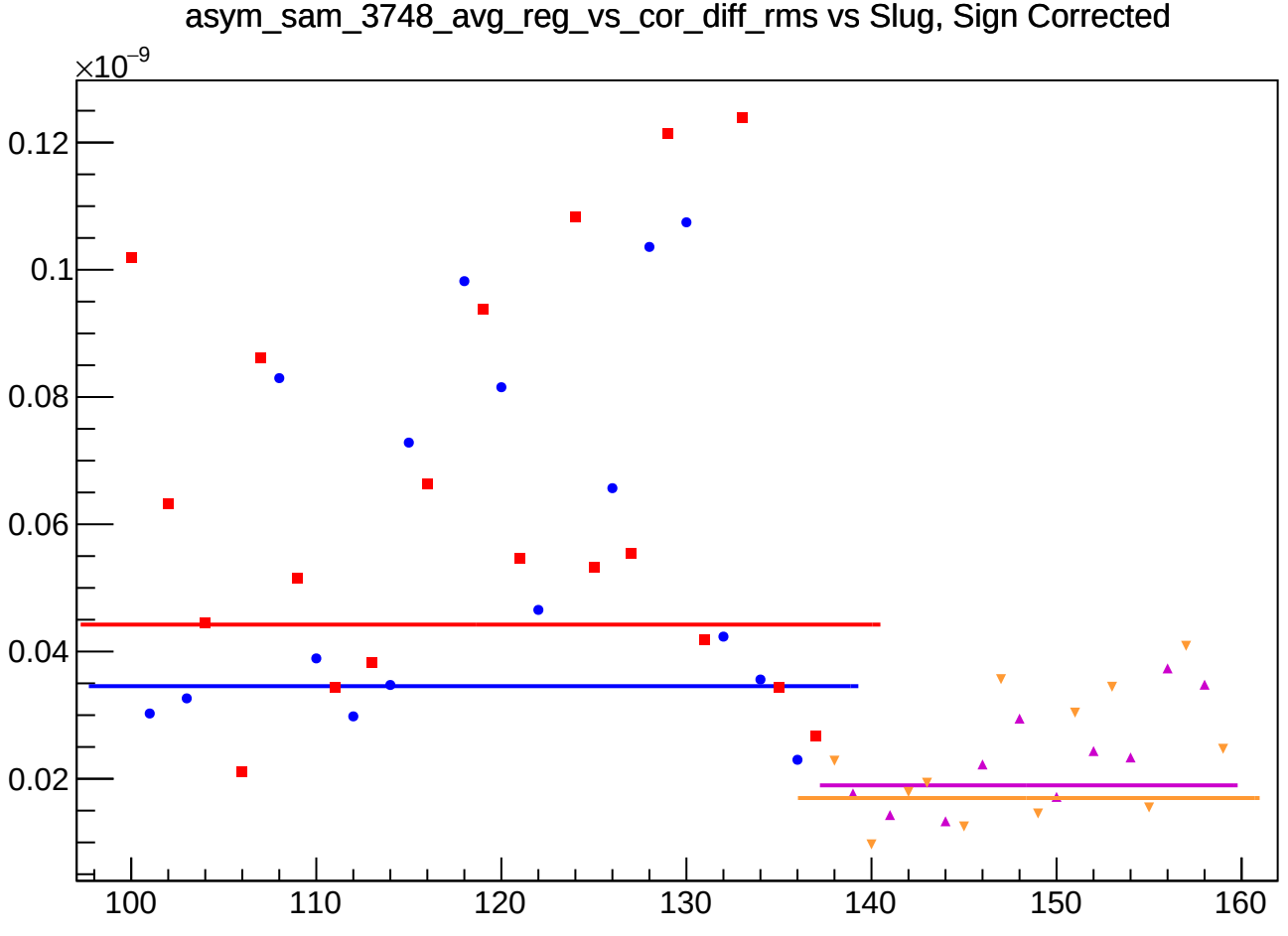
Left: 0.000+/-0.000 χ^2/NDF: 33.7/21

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:28.7/25

Out: -0.000+/-0.000 χ^2/NDF:33.6/30

All: 0.000+/-0.000 χ^2/NDF: 67.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1295911.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:655872.5/9

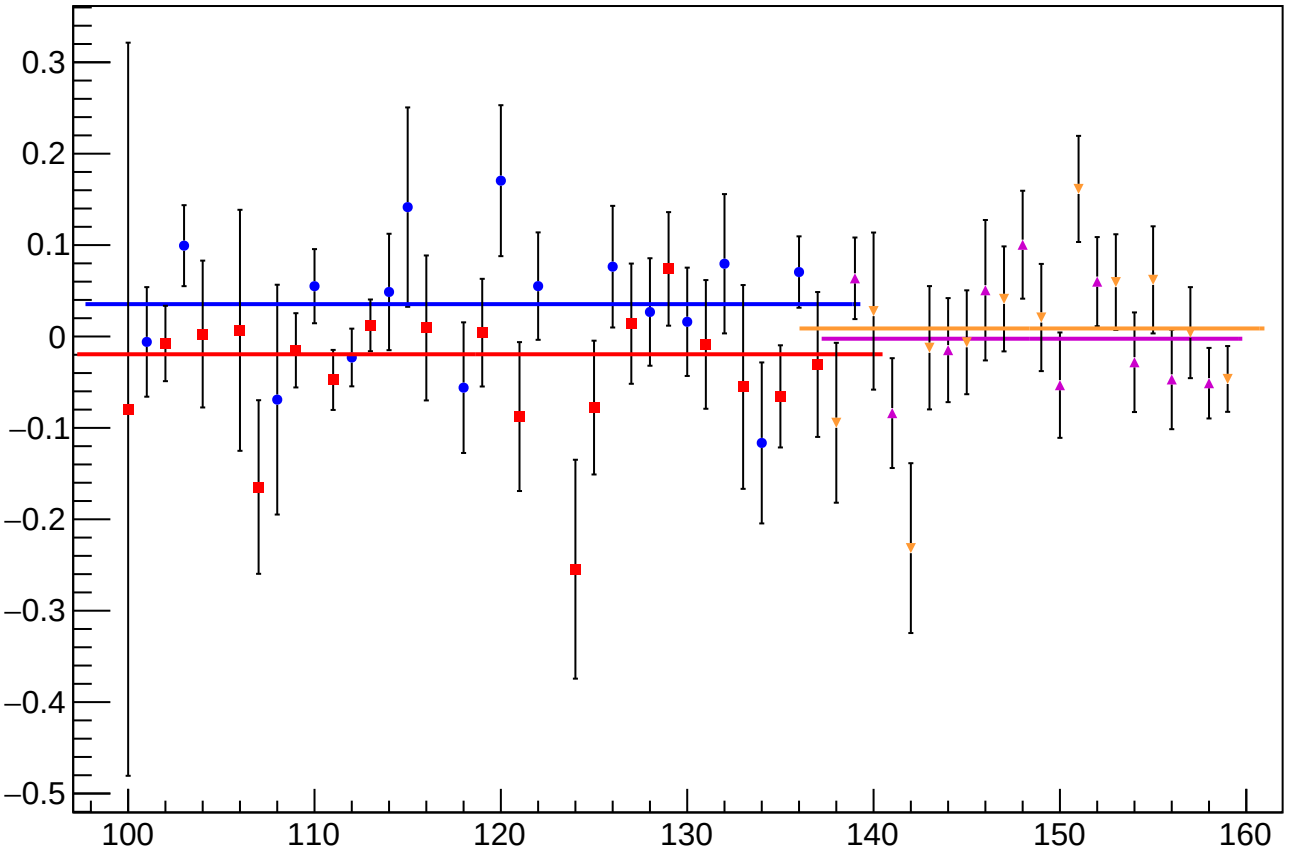
Left: 0.000+/-0.000 χ^2/NDF: 1988571.3/21

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2656515.1/25

Out: 0.000+/-0.000 χ^2/NDF:4188521.2/30

All: 0.000+/-0.000 χ^2/NDF: 6892442.4/56



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

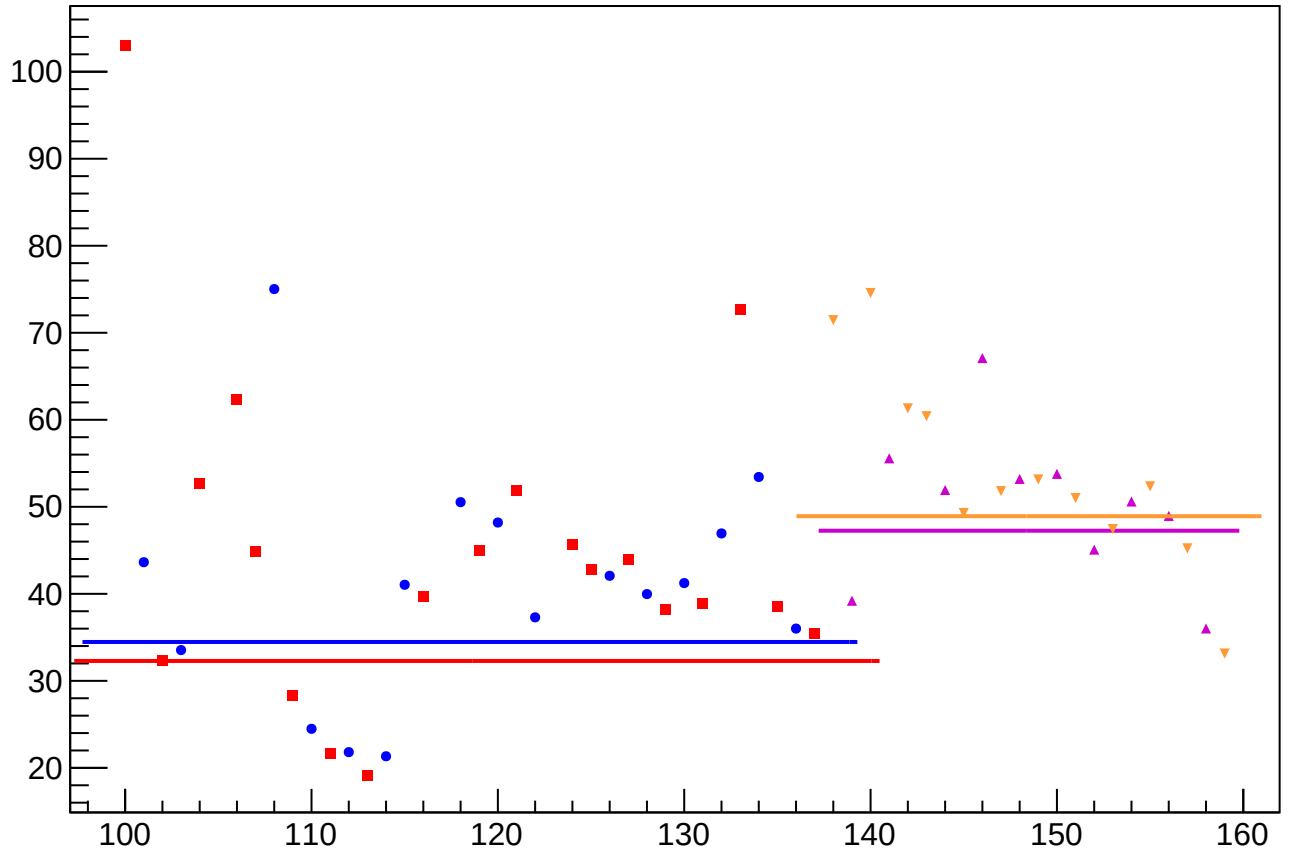
Left: 0.003+/-0.012 χ^2/NDF: 32.4/21

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.005+/-0.007 χ^2/NDF: 71.0/56



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.921+/-0.012 χ^2/NDF:826580.6/11

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.253+/-0.012 χ^2/NDF:479401.1/9

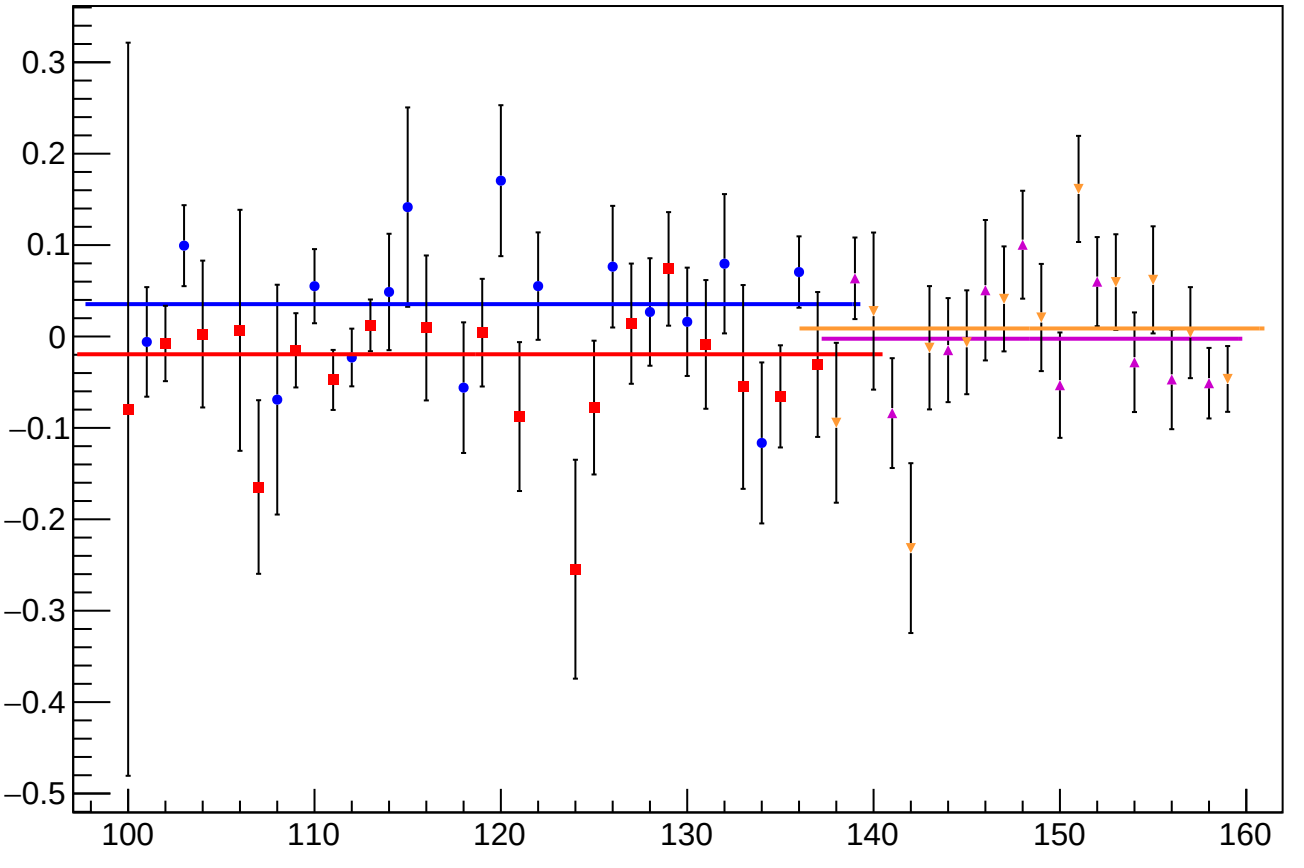
Left: 48.090+/-0.008 χ^2/NDF: 1316066.9/21

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.718+/-0.008 χ^2/NDF:2346333.3/25

Out: 38.688+/-0.007 χ^2/NDF:3736326.4/30

All: 39.185+/-0.005 χ^2/NDF: 6092331.5/56



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

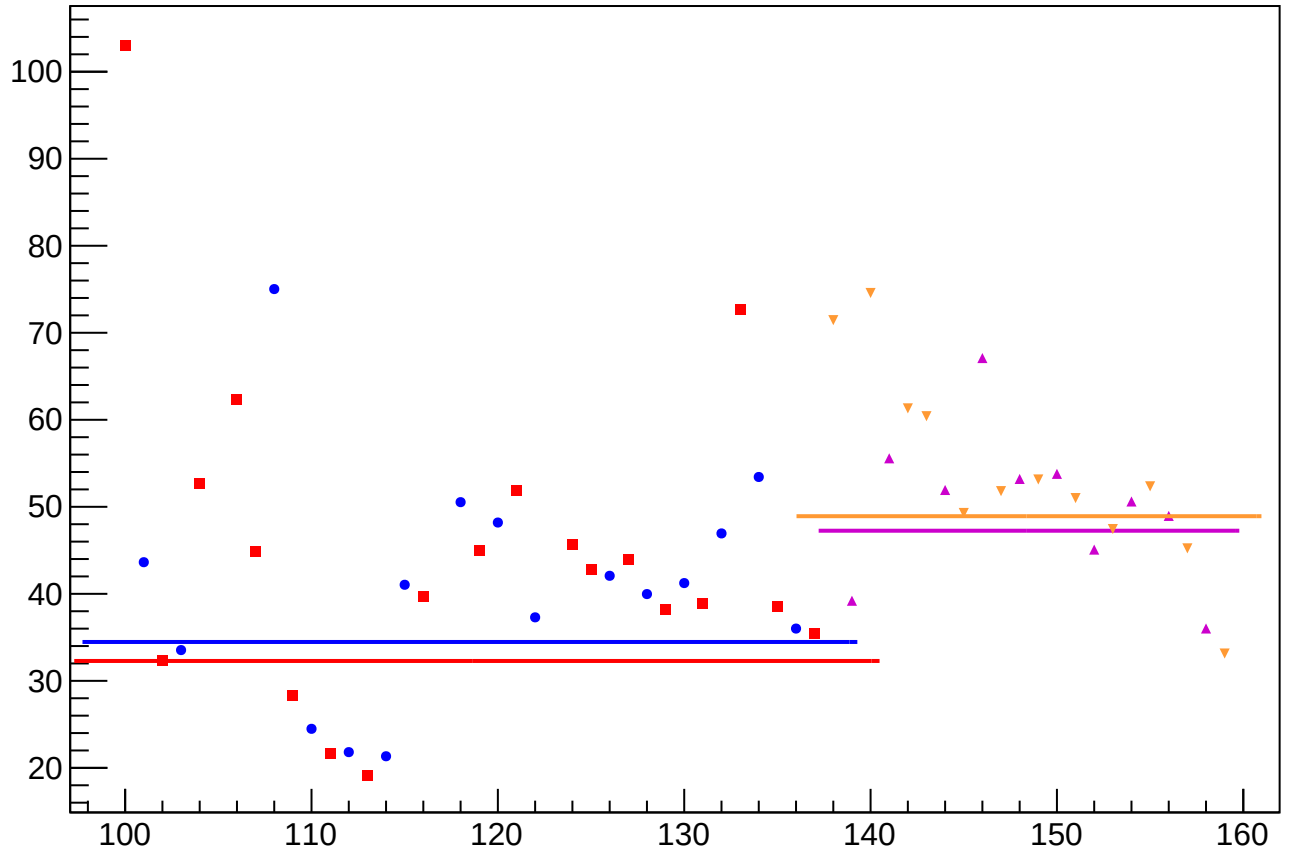
Left: 0.003+/-0.012 χ^2/NDF: 32.4/21

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.005+/-0.007 χ^2/NDF: 71.0/56



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.921+/-0.012 χ^2/NDF:826580.6/11

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.253+/-0.012 χ^2/NDF:479401.1/9

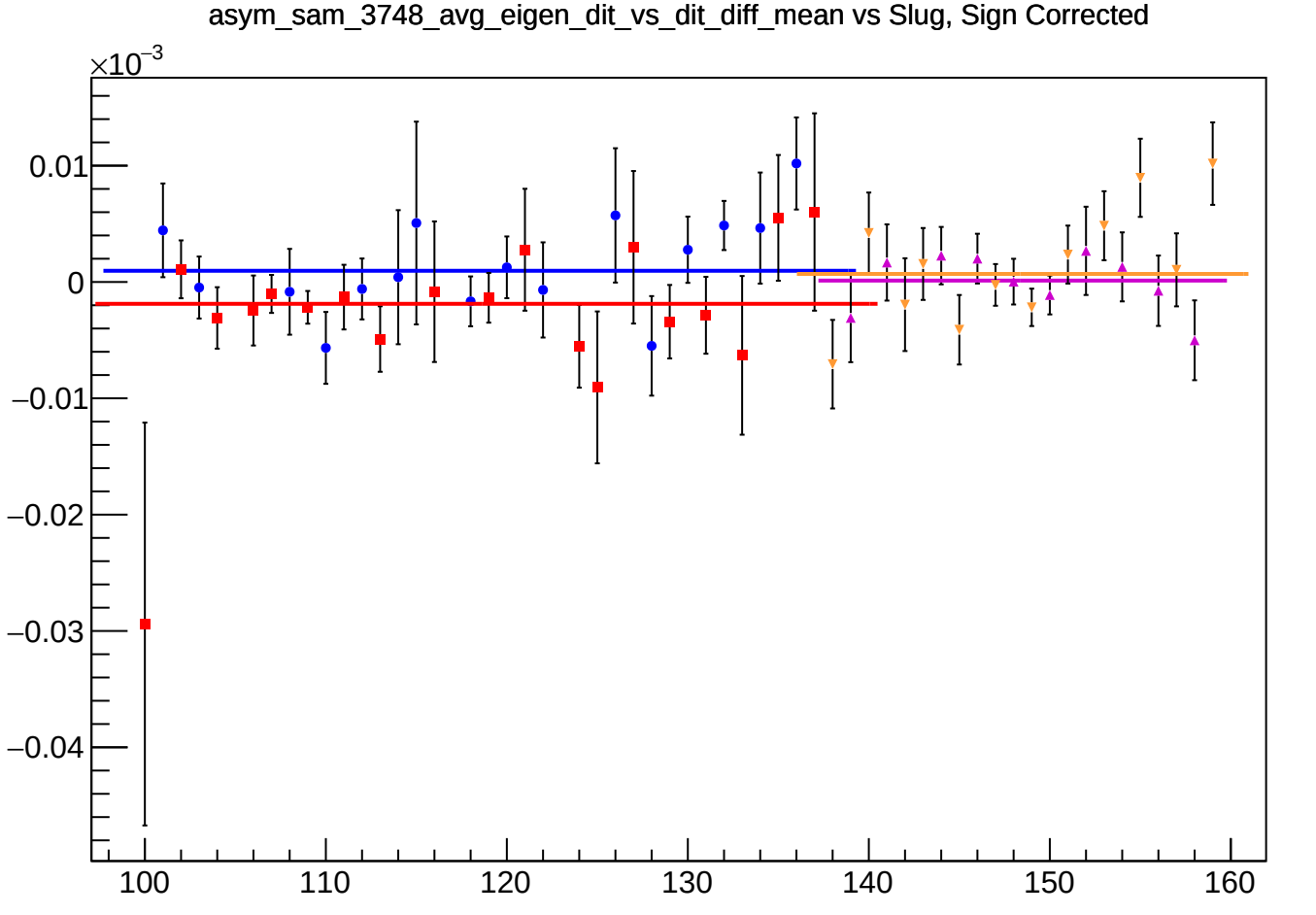
Left: 48.090+/-0.008 χ^2/NDF: 1316066.9/21

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.718+/-0.008 χ^2/NDF:2346333.3/25

Out: 38.688+/-0.007 χ^2/NDF:3736326.4/30

All: 39.185+/-0.005 χ^2/NDF: 6092331.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/9

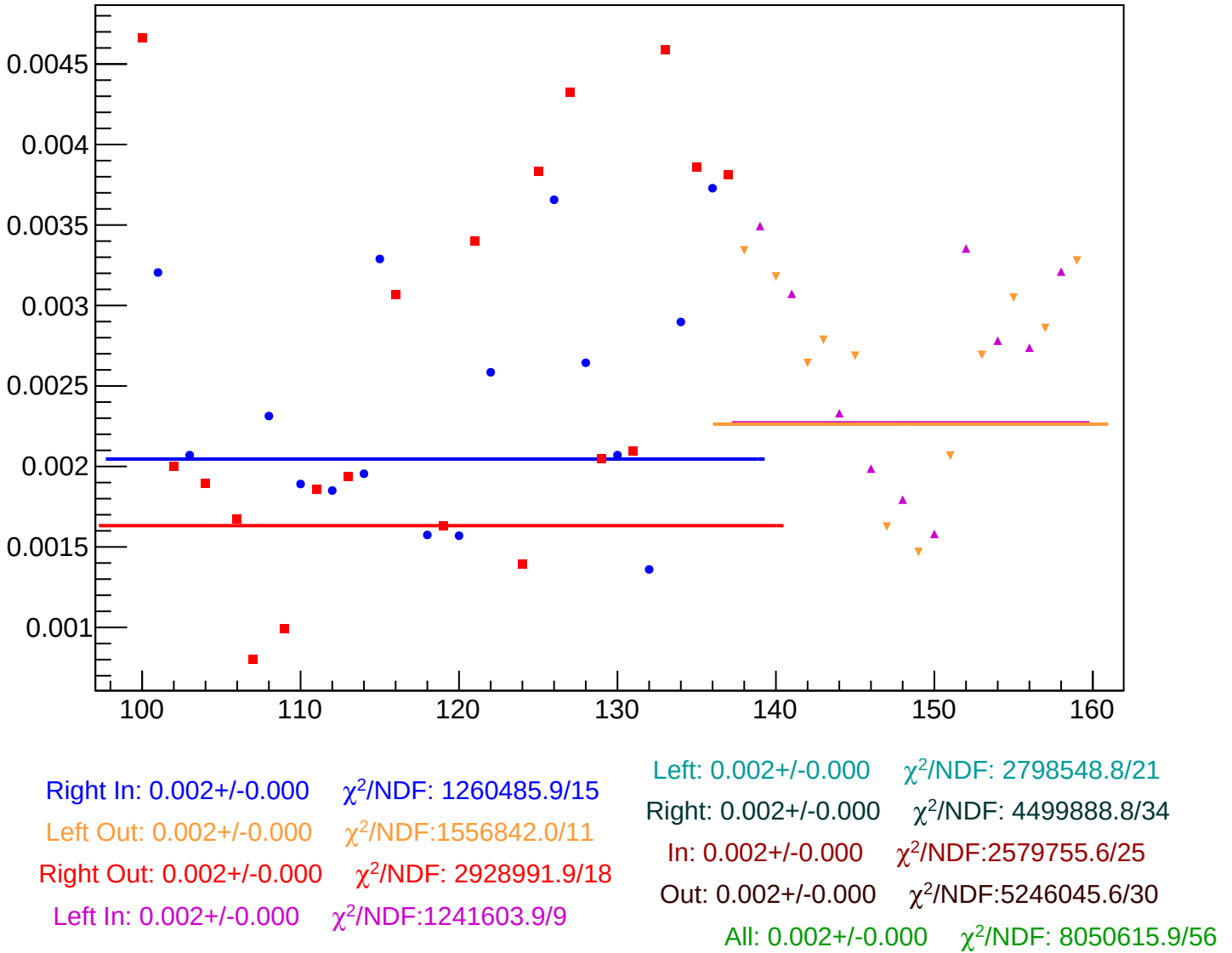
Left: 0.000+/-0.000 χ^2/NDF: 33.6/21

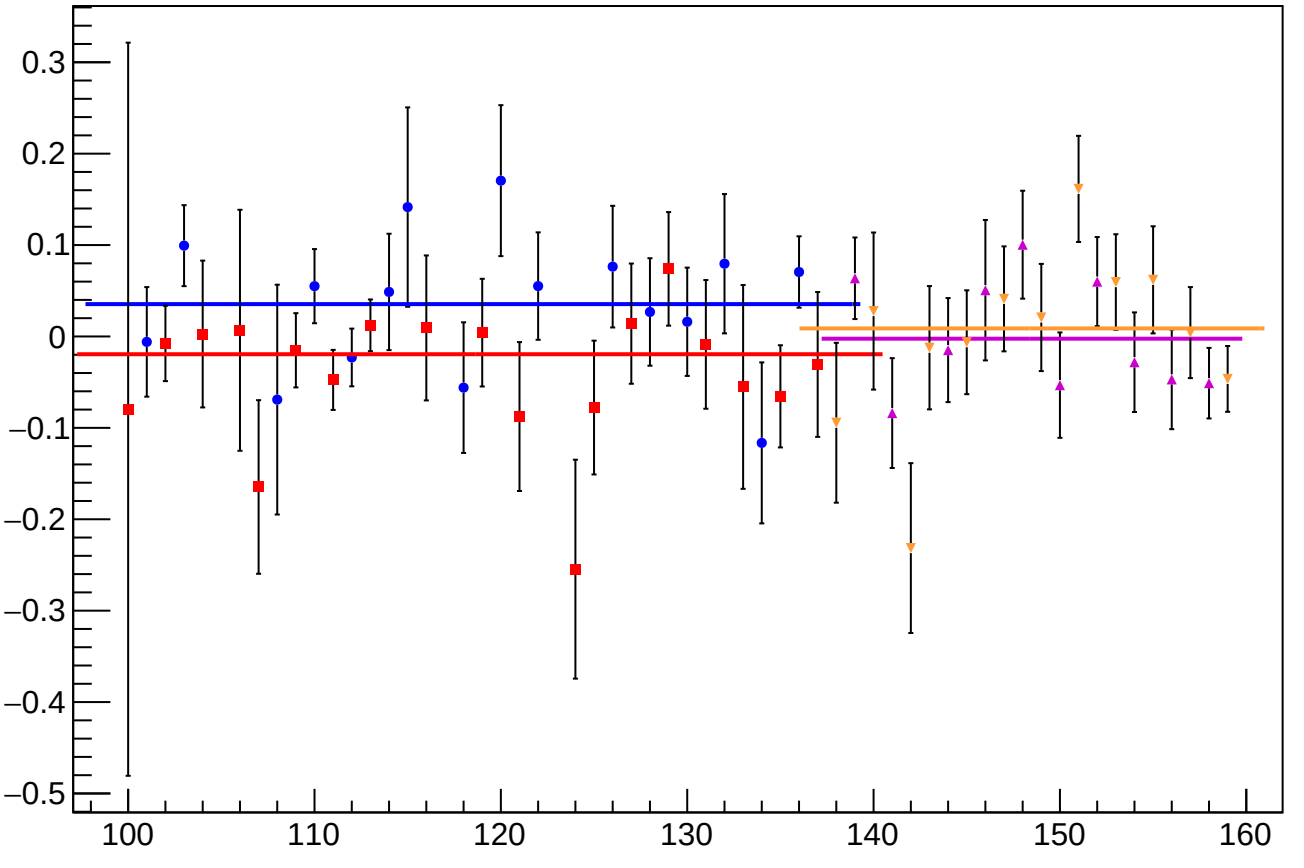
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:27.4/25

Out: -0.000+/-0.000 χ^2/NDF:46.5/30

All: -0.000+/-0.000 χ^2/NDF: 76.9/56


asym_sam_3748_avg_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
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1556842.0/11
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1241603.9/9
Left: 0.002+/-0.000 χ²/NDF: 2798548.8/21
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:2579755.6/25
Out: 0.002+/-0.000 χ²/NDF:5246045.6/30
All: 0.002+/-0.000 χ²/NDF: 8050615.9/56



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

Left: 0.003+/-0.012 χ^2/NDF: 32.4/21

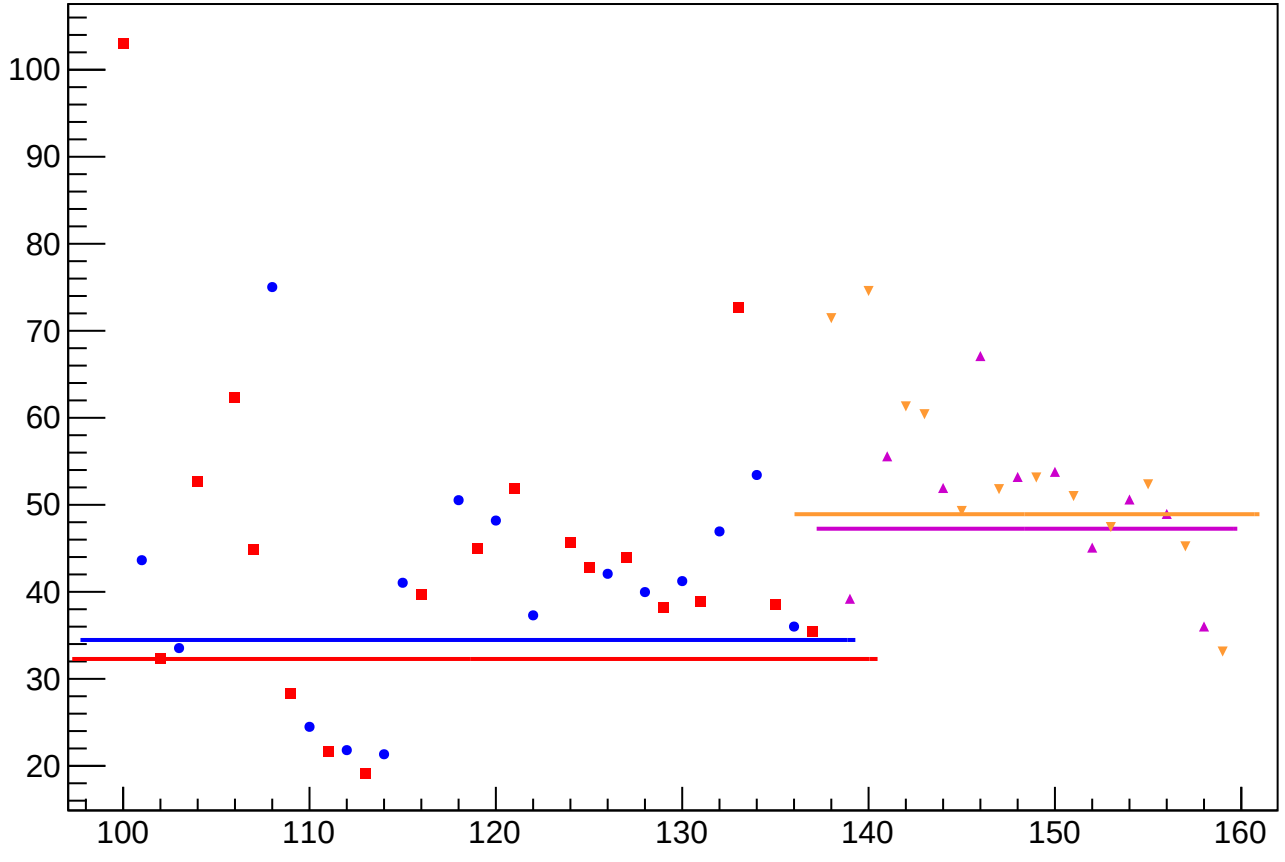
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.005+/-0.007 χ^2/NDF: 71.0/56

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: 48.922+/-0.012 χ^2/NDF:826585.6/11

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.254+/-0.012 χ^2/NDF:479422.3/9

Left: 48.090+/-0.008 χ^2/NDF: 1316094.8/21

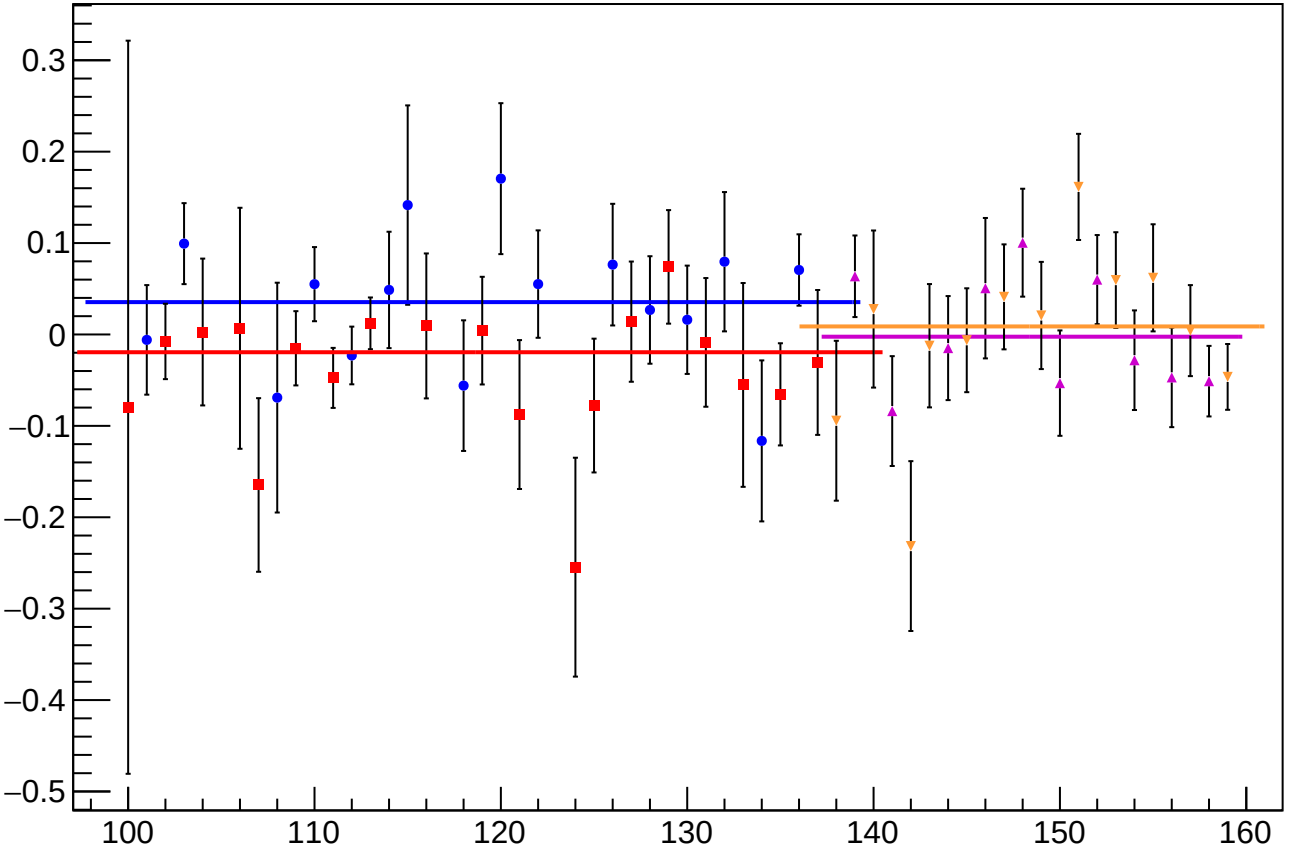
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.719+/-0.008 χ^2/NDF:2346323.6/25

Out: 38.688+/-0.007 χ^2/NDF:3736329.1/30

All: 39.185+/-0.005 χ^2/NDF: 6092323.1/56

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: 0.009+/-0.017 χ^2/NDF:19.7/11

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

Left: 0.003+/-0.012 χ^2/NDF: 32.4/21

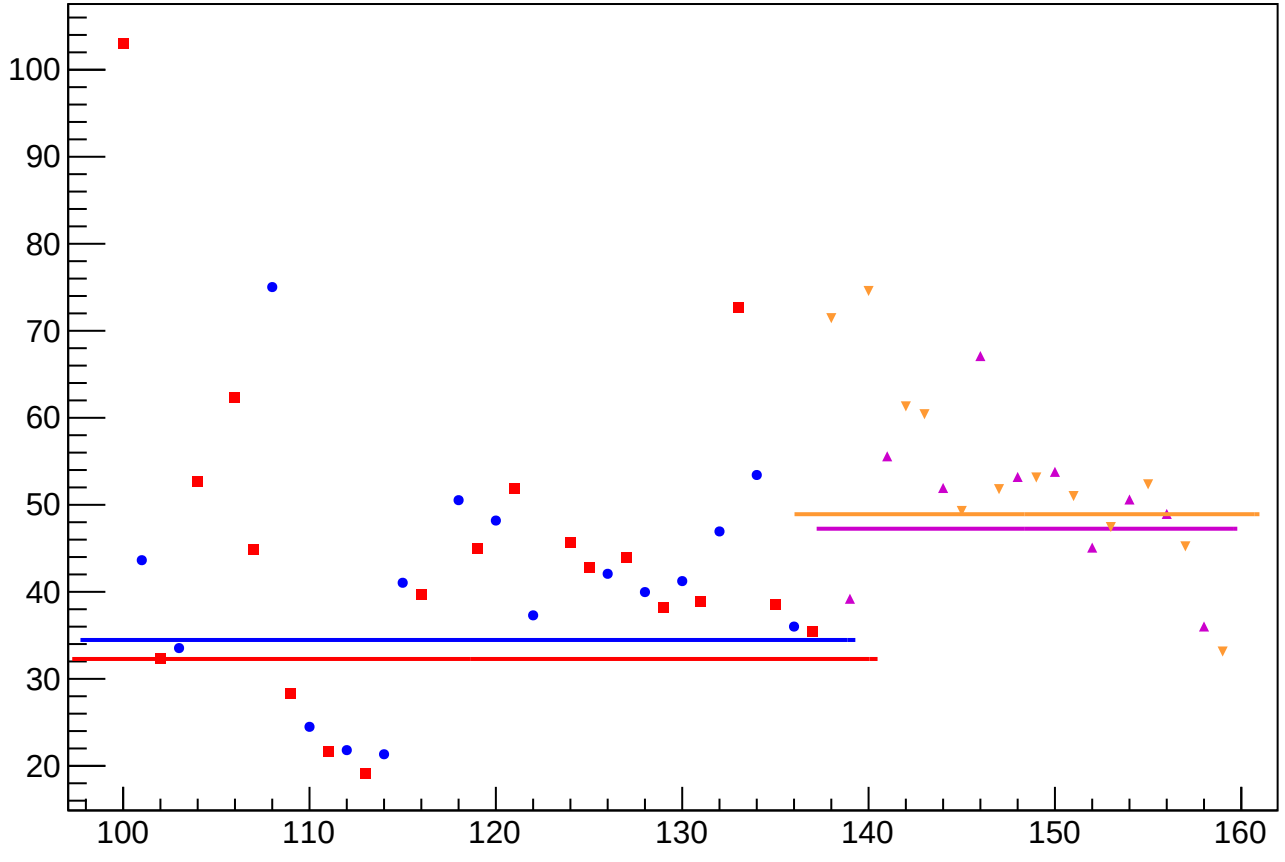
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.005+/-0.007 χ^2/NDF: 71.0/56

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: 48.922+/-0.012 χ^2/NDF:826585.6/11

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.254+/-0.012 χ^2/NDF:479422.3/9

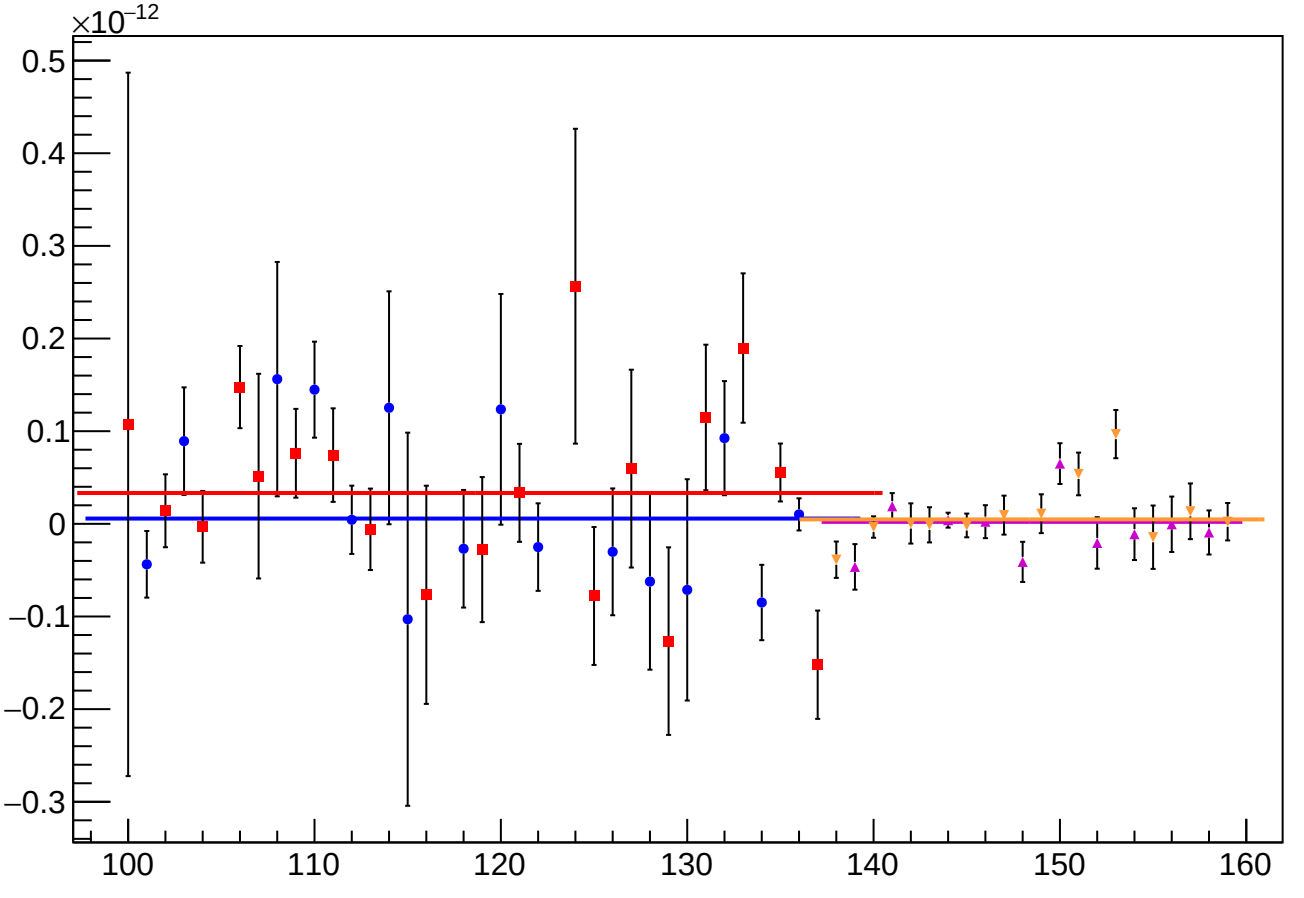
Left: 48.090+/-0.008 χ^2/NDF: 1316094.8/21

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.719+/-0.008 χ^2/NDF:2346323.6/25

Out: 38.688+/-0.007 χ^2/NDF:3736329.1/30

All: 39.185+/-0.005 χ^2/NDF: 6092323.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/9

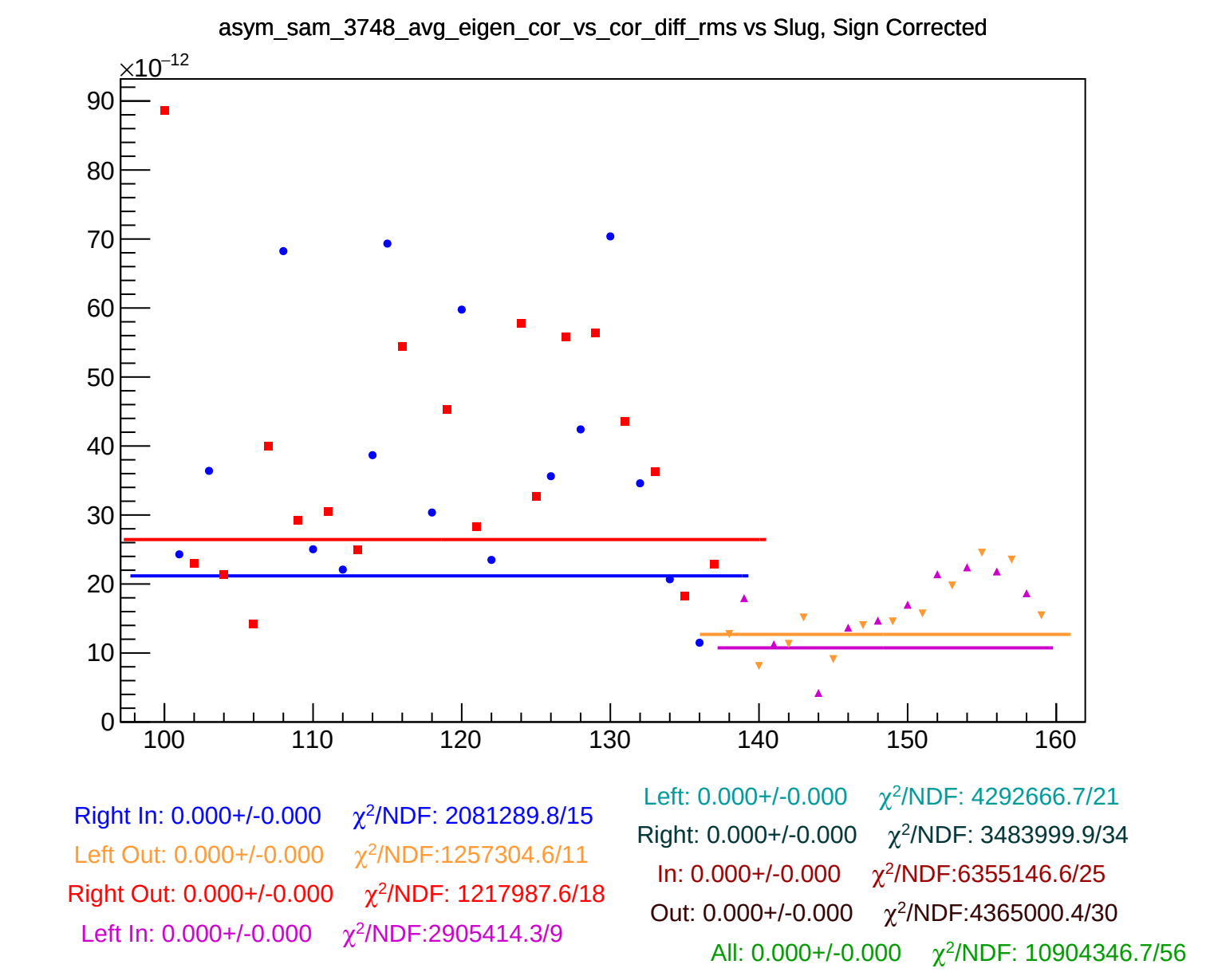
Left: 0.000+/-0.000 χ^2/NDF: 42.2/21

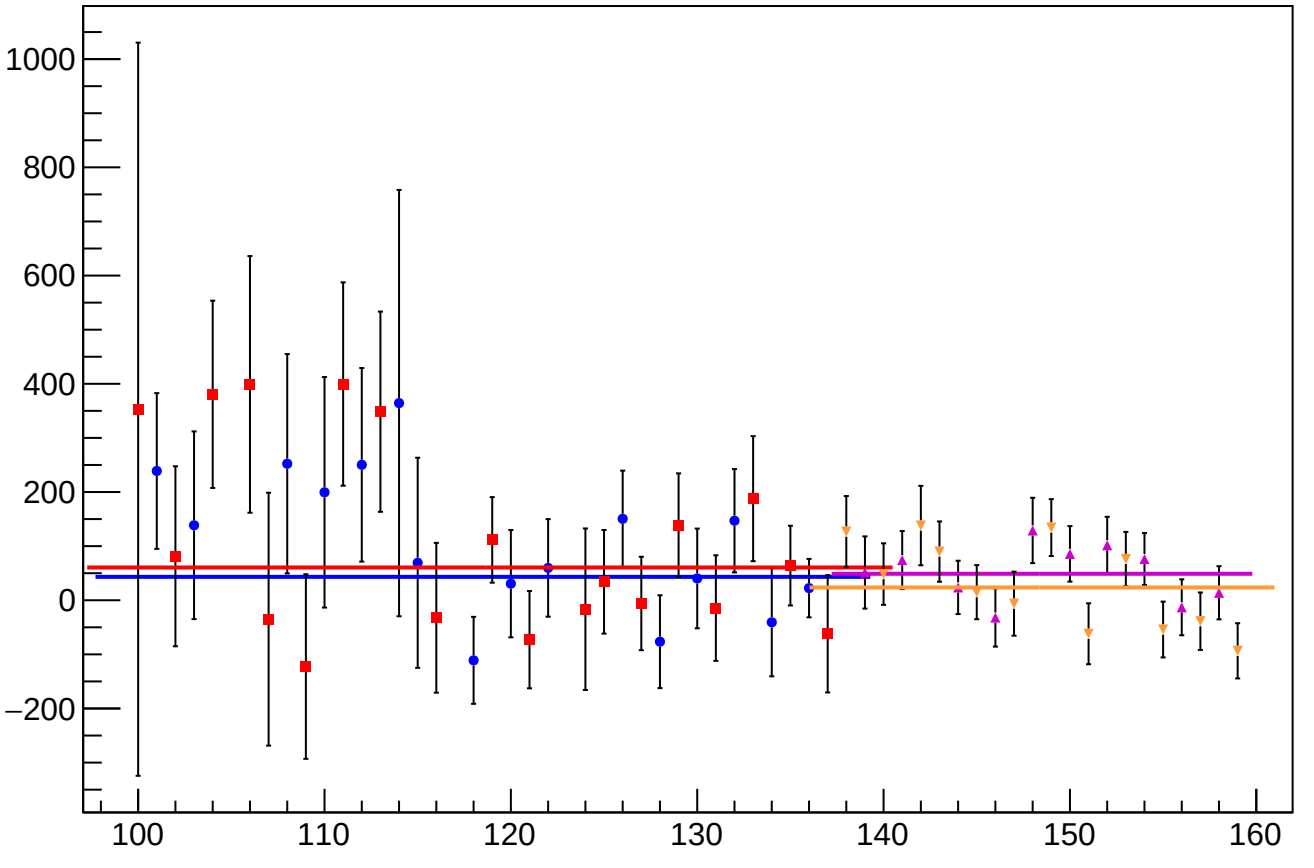
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:42.3/25

Out: 0.000+/-0.000 χ^2/NDF:61.0/30

All: 0.000+/-0.000 χ^2/NDF: 104.1/56


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
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1257304.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:2905414.3/9
Left: 0.000+/-0.000 χ²/NDF: 4292666.7/21
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6355146.6/25
Out: 0.000+/-0.000 χ²/NDF:4365000.4/30
All: 0.000+/-0.000 χ²/NDF: 10904346.7/56



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 23.623+/-15.957 χ^2/NDF:23.6/11

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 48.946+/-16.740 χ^2/NDF:8.3/9

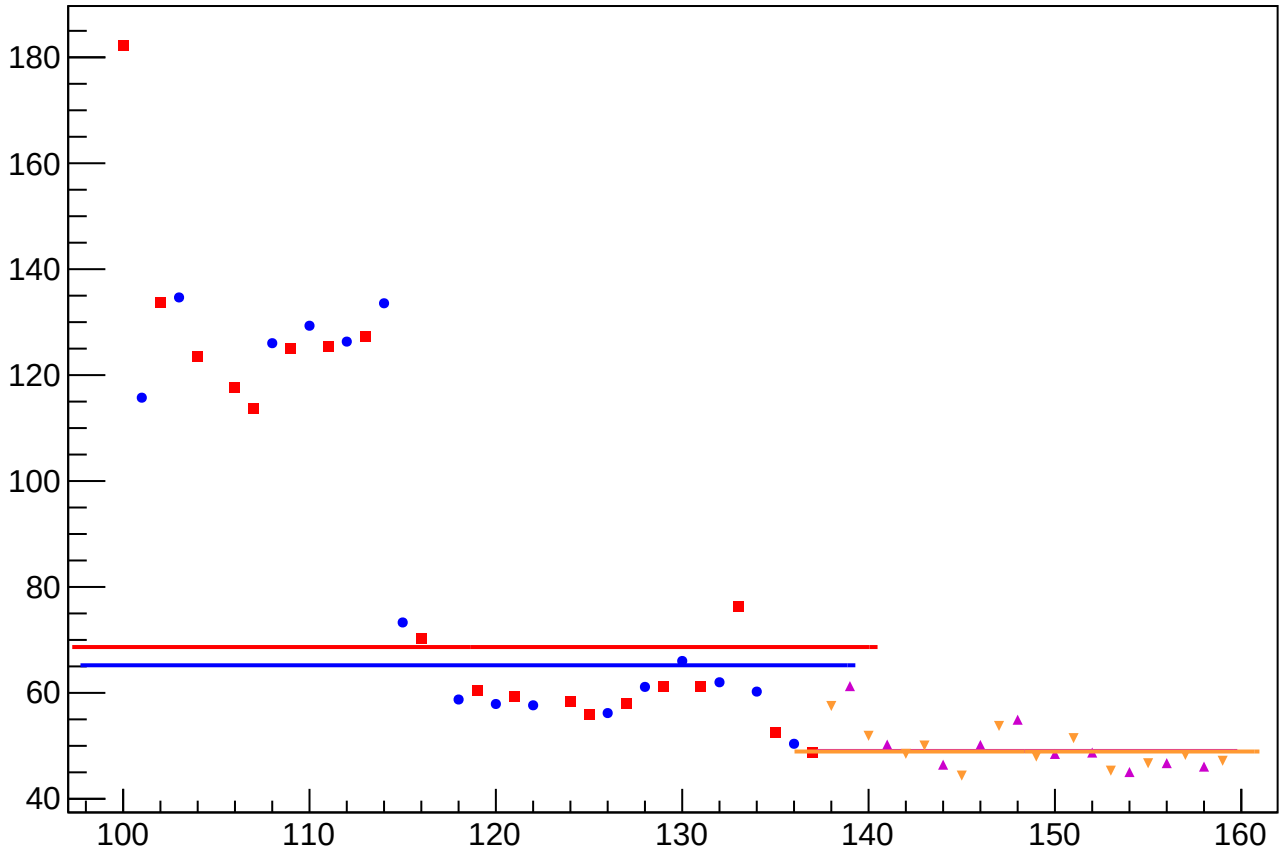
Left: 35.679+/-11.550 χ^2/NDF: 33.1/21

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 47.256+/-14.040 χ^2/NDF:23.3/25

Out: 33.246+/-13.723 χ^2/NDF:45.4/30

All: 40.092+/-9.814 χ^2/NDF: 69.2/56



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.931+/-0.011 χ^2/NDF:91854.4/11

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

Left: 48.980+/-0.008 χ^2/NDF: 210980.0/21

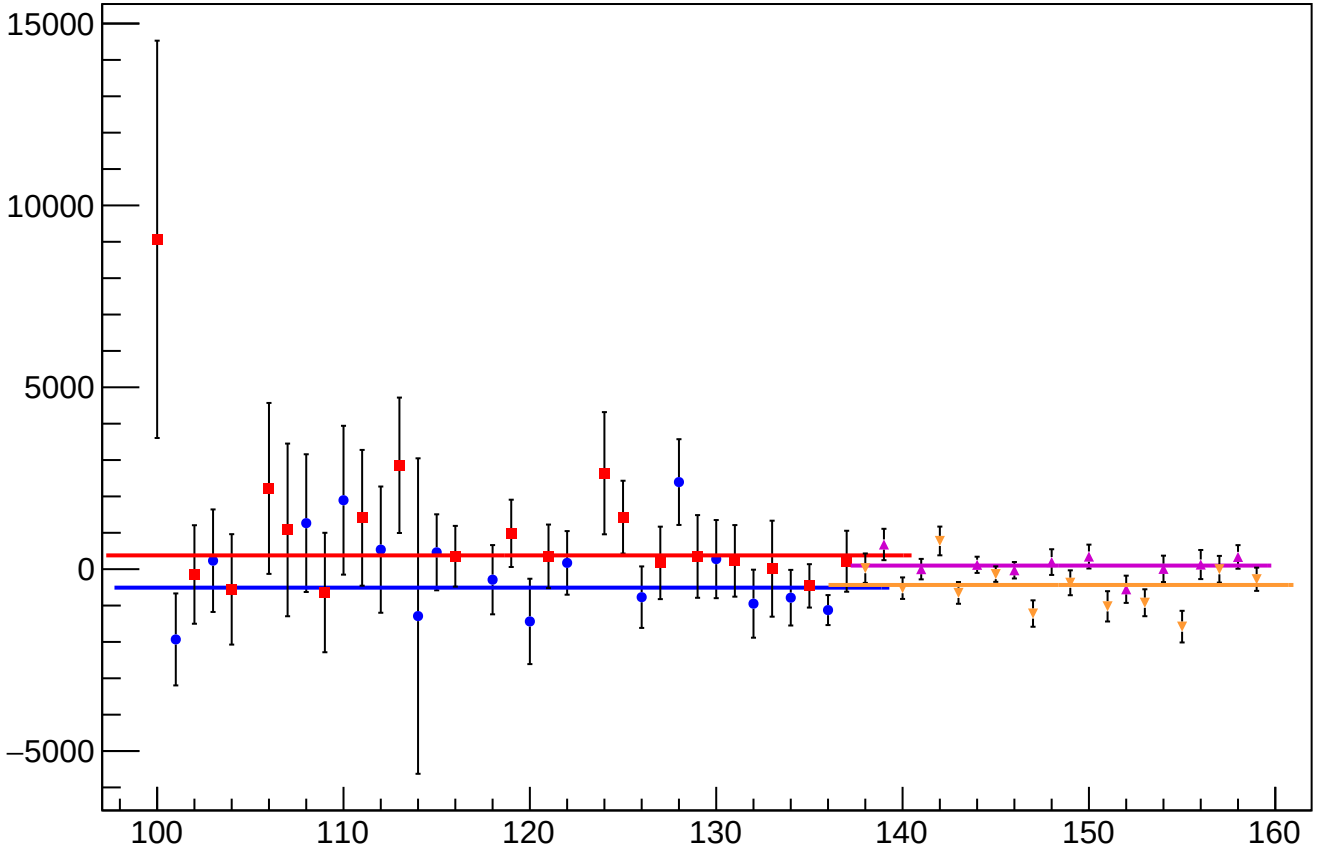
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 53.832+/-0.010 χ^2/NDF:2119621.3/25

Out: 54.067+/-0.010 χ^2/NDF:2528508.4/30

All: 53.952+/-0.007 χ^2/NDF: 4648415.8/56

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: -434.166+/-95.829 χ^2/NDF:30.3/11

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 98.761+/-97.346 χ^2/NDF:6.5/9

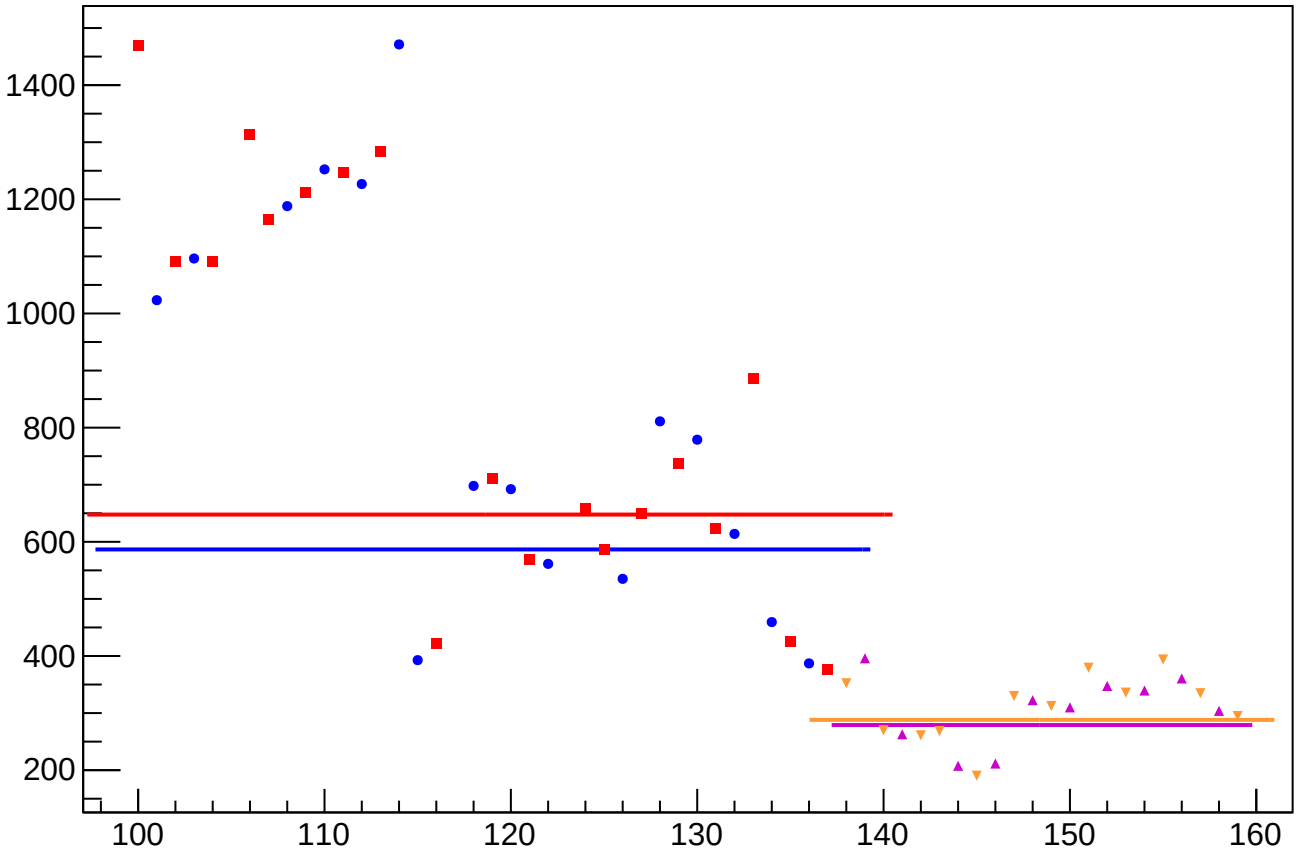
Left: -171.888+/-68.292 χ^2/NDF: 52.0/21

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 11.146+/-90.043 χ^2/NDF:27.8/25

Out: -334.517+/-89.765 χ^2/NDF:50.8/30

All: -162.221+/-63.572 χ^2/NDF: 86.0/56



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 288.121+/-0.068 χ^2/NDF:815198.1/11

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 279.076+/-0.069 χ^2/NDF:802362.9/9

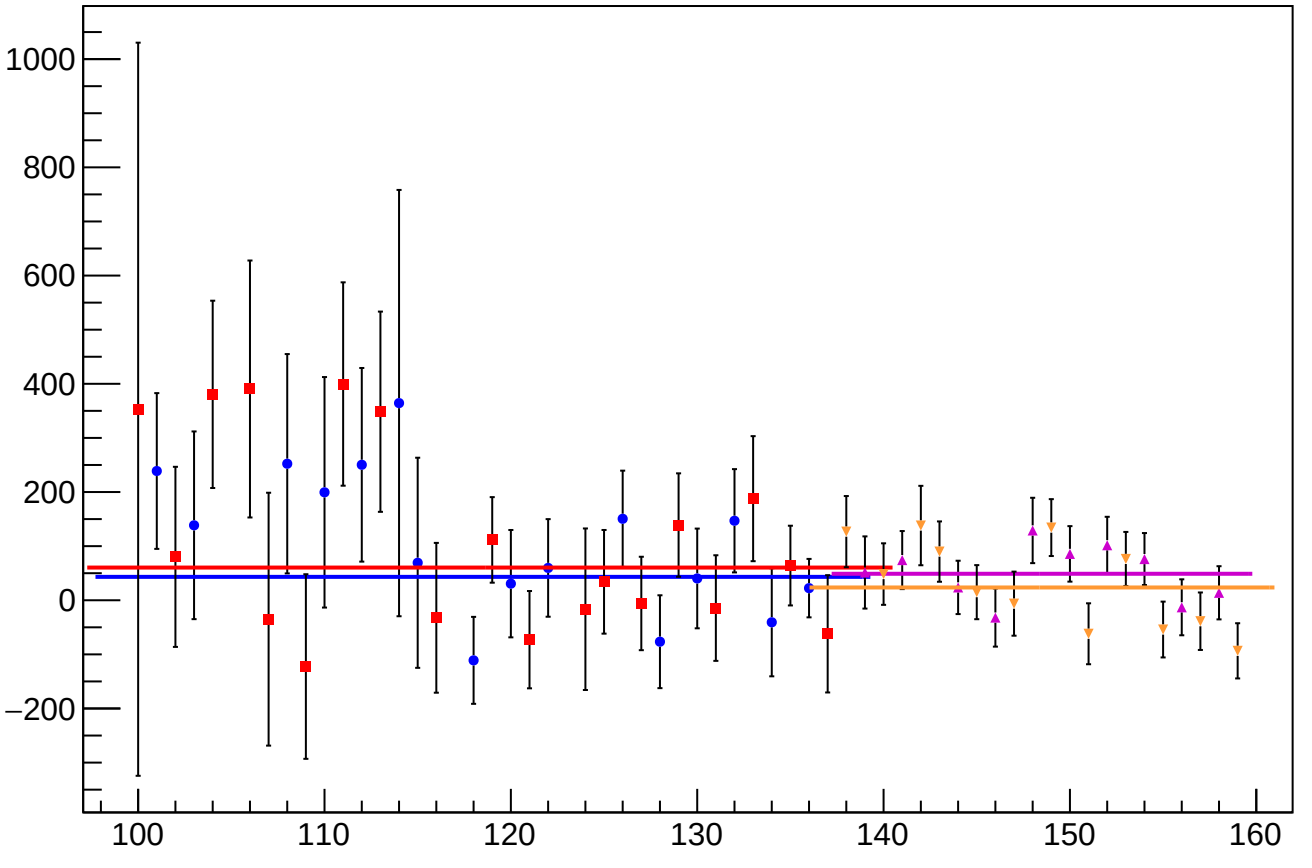
Left: 283.670+/-0.048 χ^2/NDF: 1626330.3/21

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 323.494+/-0.064 χ^2/NDF:5738760.5/25

Out: 332.196+/-0.063 χ^2/NDF:6372762.0/30

All: 327.858+/-0.045 χ^2/NDF: 12120892.4/56



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 23.625+/-15.957 χ^2/NDF:23.6/11

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 48.947+/-16.740 χ^2/NDF:8.3/9

Left: 35.681+/-11.550 χ^2/NDF: 33.1/21

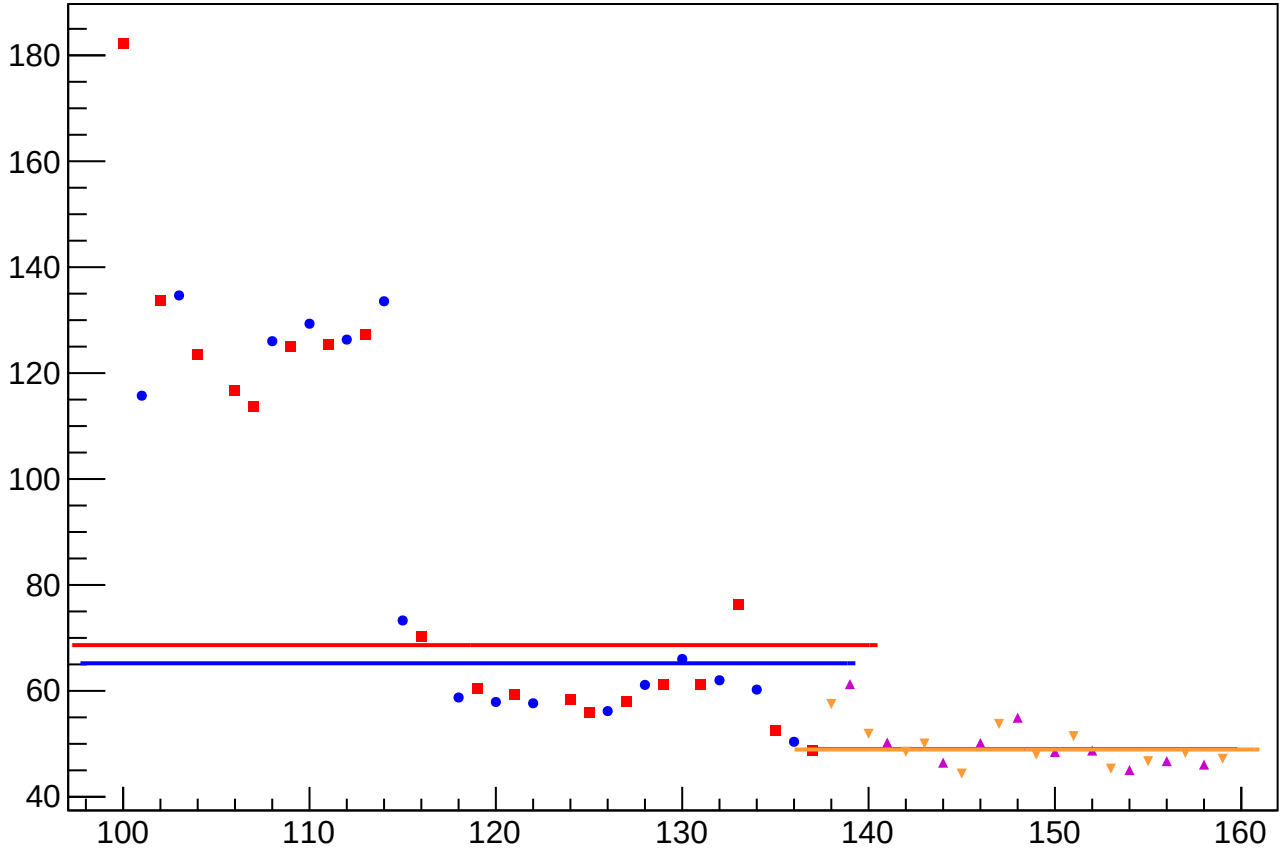
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.255+/-14.040 χ^2/NDF:23.3/25

Out: 33.208+/-13.724 χ^2/NDF:45.2/30

All: 40.072+/-9.814 χ^2/NDF: 69.0/56

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.931+/-0.011 χ^2/NDF:91854.4/11

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

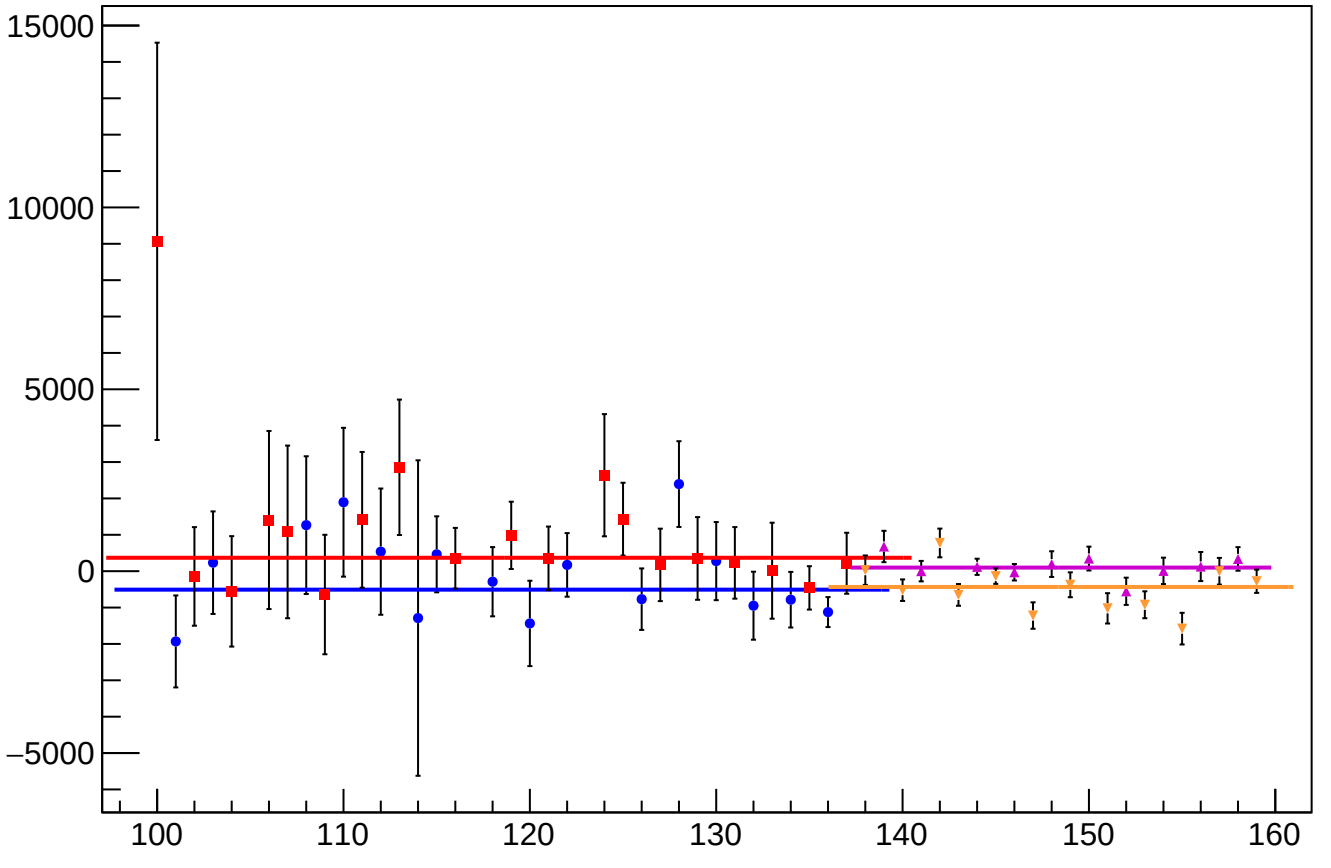
Left: 48.980+/-0.008 χ^2/NDF: 210980.0/21

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.832+/-0.010 χ^2/NDF:2119623.5/25

Out: 54.063+/-0.010 χ^2/NDF:2523969.3/30

All: 53.950+/-0.007 χ^2/NDF: 4643869.2/56



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -434.161+/-95.829 χ^2/NDF:30.3/11

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 98.761+/-97.346 χ^2/NDF:6.5/9

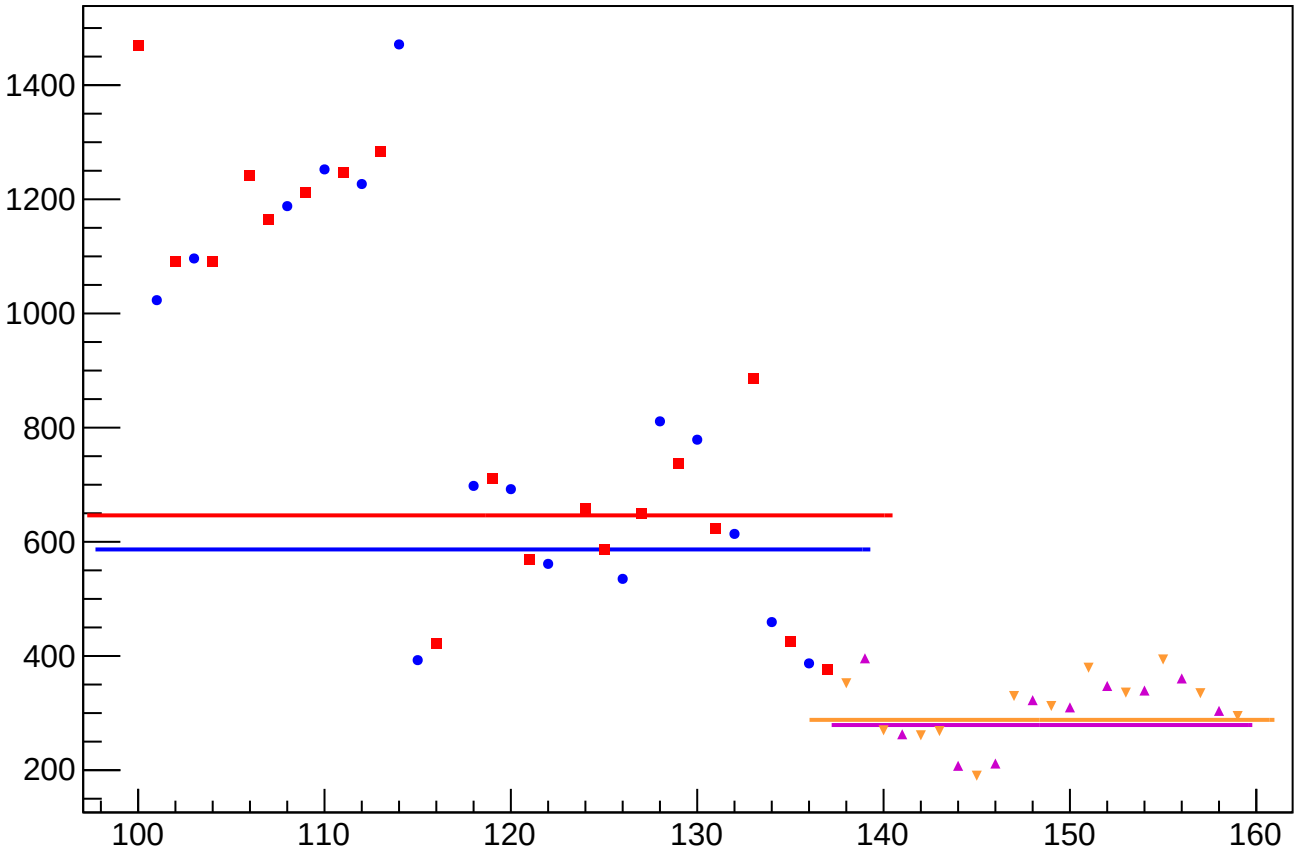
Left: -171.886+/-68.292 χ^2/NDF: 52.0/21

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 11.149+/-90.043 χ^2/NDF:27.8/25

Out: -335.892+/-89.770 χ^2/NDF:50.2/30

All: -162.899+/-63.573 χ^2/NDF: 85.4/56



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 288.121+/-0.068 χ^2/NDF:815202.5/11

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

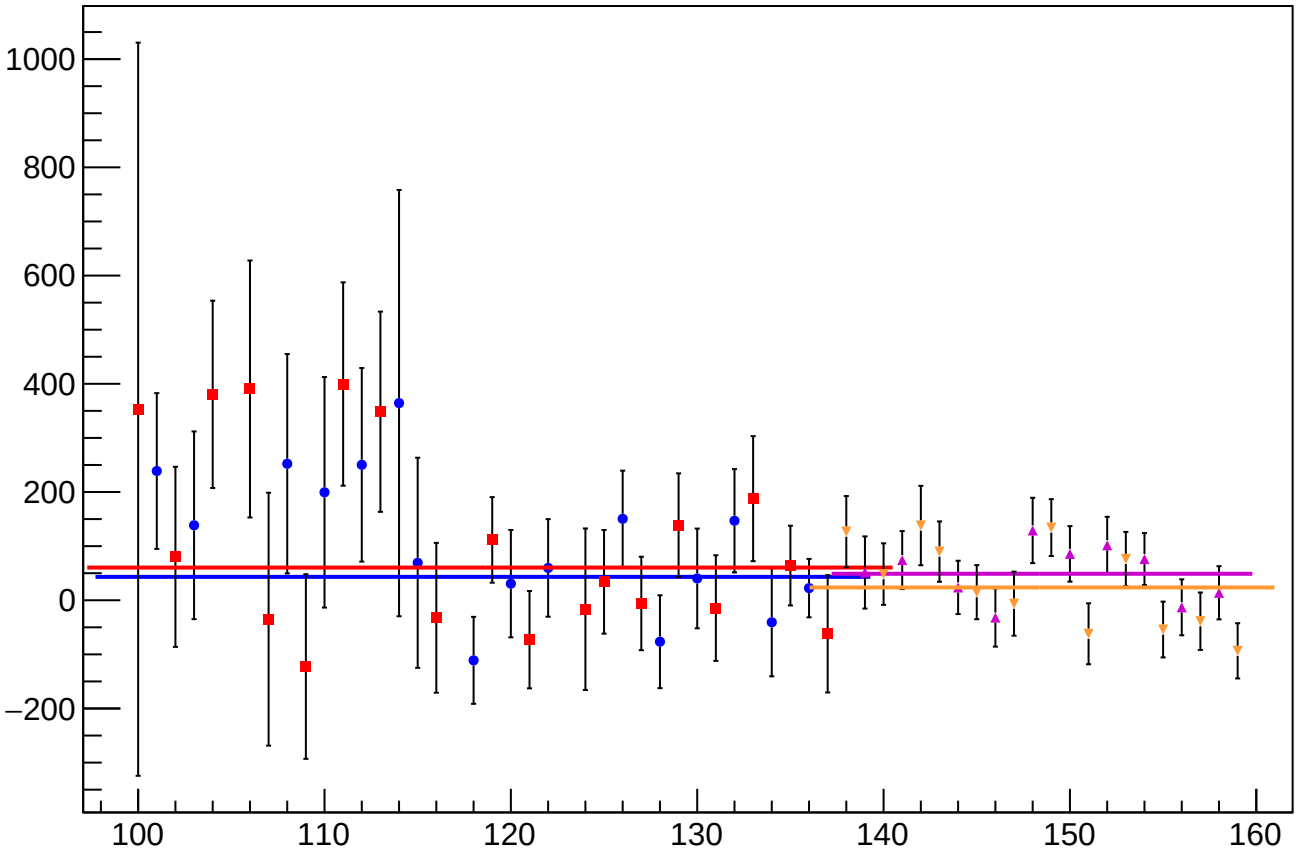
Left: 283.670+/-0.048 χ^2/NDF: 1626329.5/21

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.493+/-0.064 χ^2/NDF:5738777.6/25

Out: 331.985+/-0.063 χ^2/NDF:6300364.2/30

All: 327.752+/-0.045 χ^2/NDF: 12048062.9/56



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 23.625+/-15.957 χ^2/NDF:23.6/11

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 48.947+/-16.740 χ^2/NDF:8.3/9

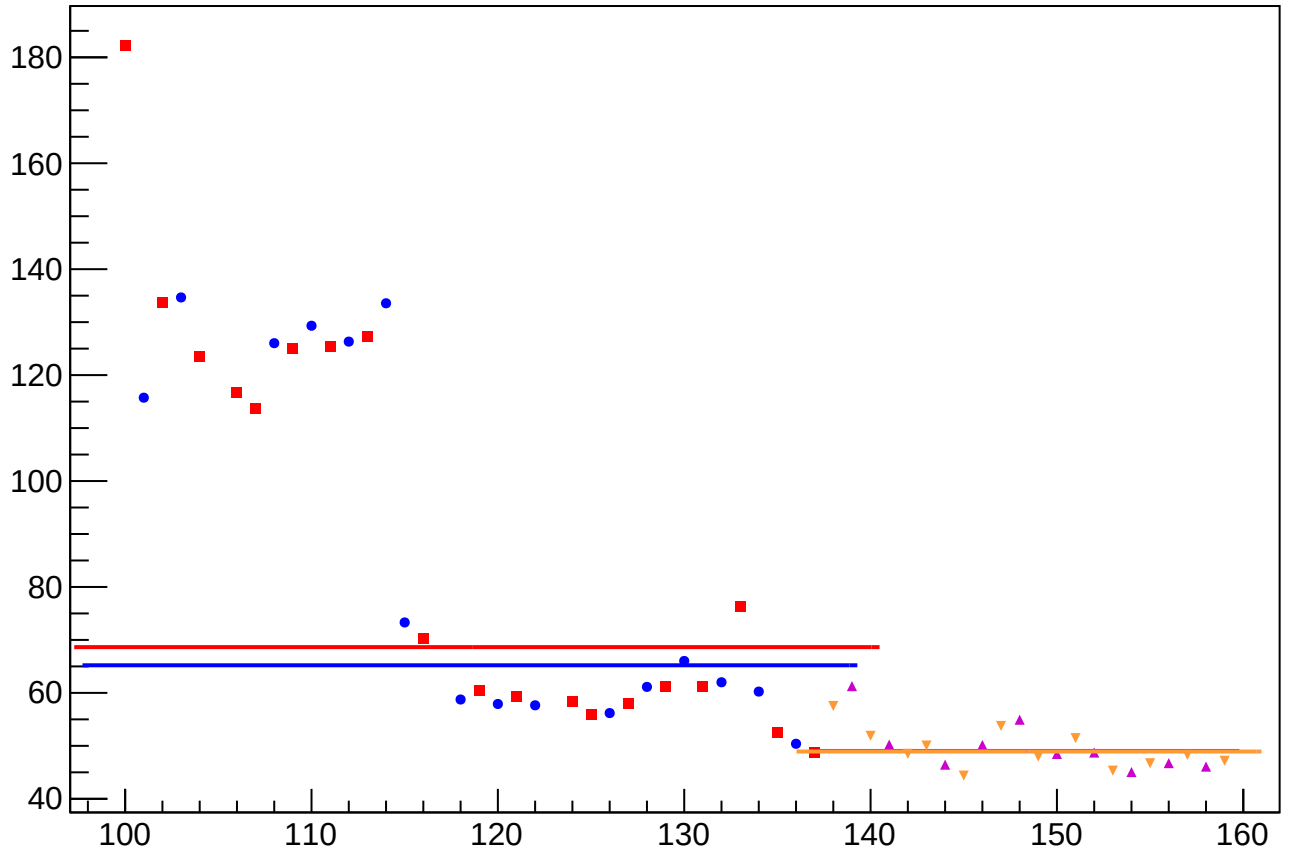
Left: 35.681+/-11.550 χ^2/NDF: 33.1/21

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.255+/-14.040 χ^2/NDF:23.3/25

Out: 33.208+/-13.724 χ^2/NDF:45.2/30

All: 40.072+/-9.814 χ^2/NDF: 69.0/56



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.931+/-0.011 χ^2/NDF:91854.4/11

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

Left: 48.980+/-0.008 χ^2/NDF: 210980.0/21

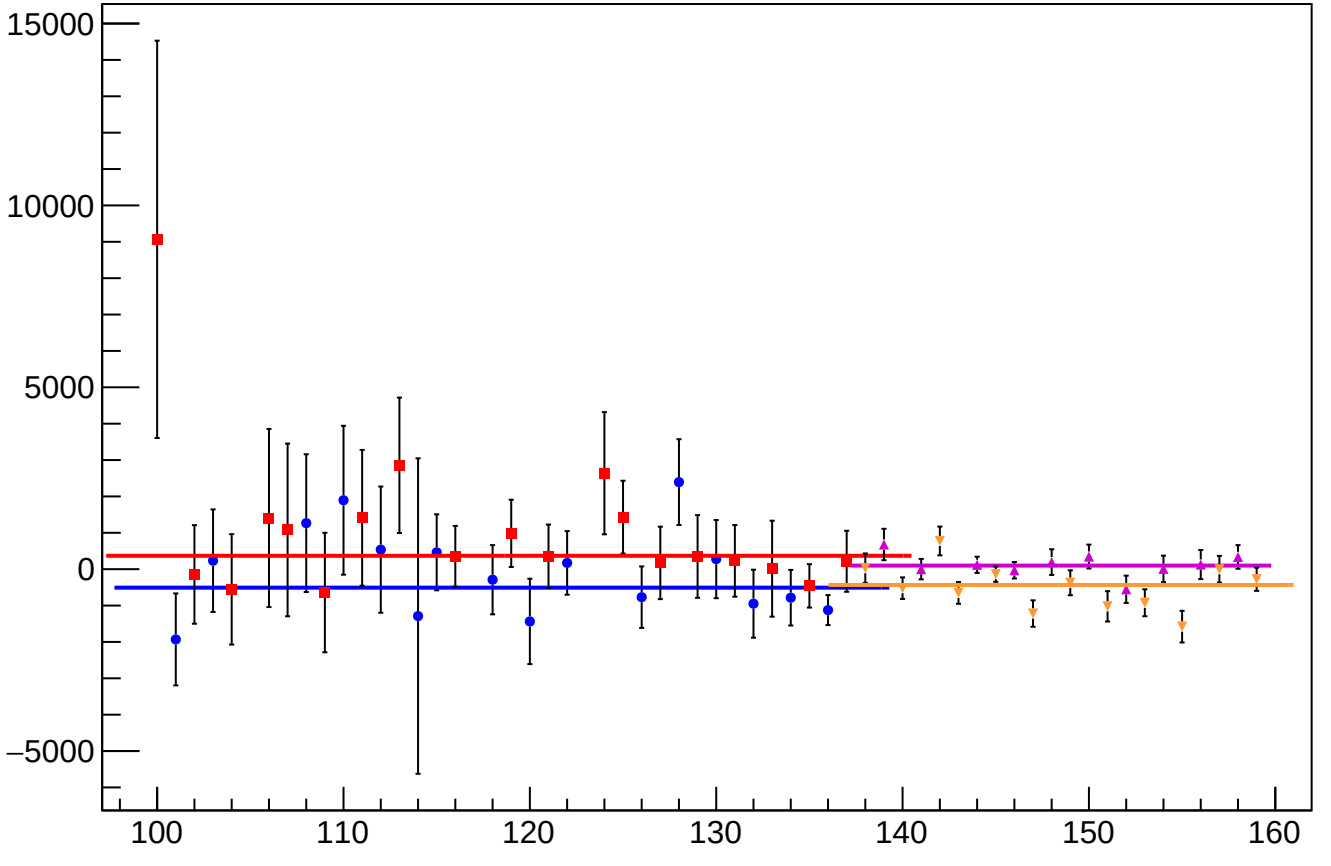
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.832+/-0.010 χ^2/NDF:2119623.5/25

Out: 54.063+/-0.010 χ^2/NDF:2523969.3/30

All: 53.950+/-0.007 χ^2/NDF: 4643869.2/56

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: -434.161+/-95.829 χ^2/NDF:30.3/11

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 98.761+/-97.346 χ^2/NDF:6.5/9

Left: -171.886+/-68.292 χ^2/NDF: 52.0/21

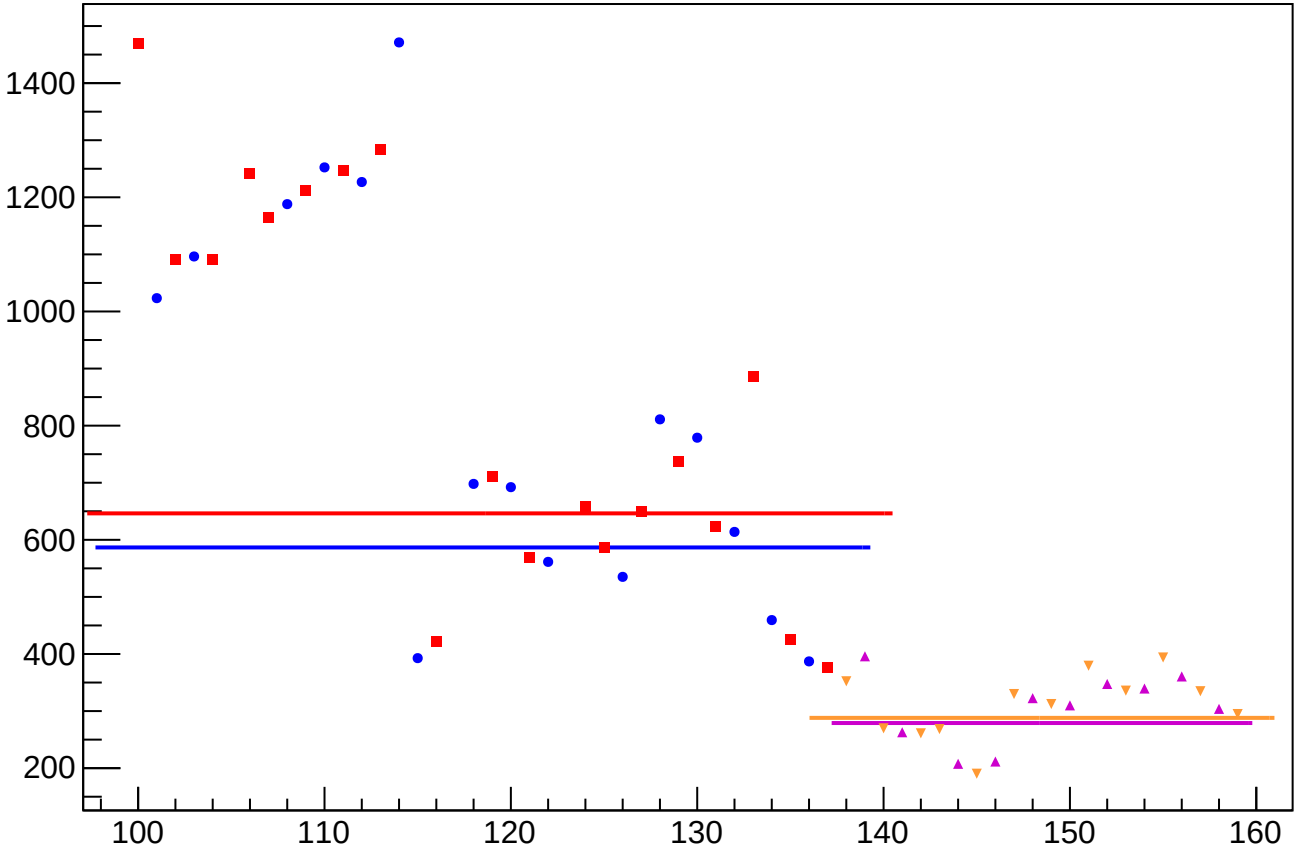
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 11.149+/-90.043 χ^2/NDF:27.8/25

Out: -335.892+/-89.770 χ^2/NDF:50.2/30

All: -162.899+/-63.573 χ^2/NDF: 85.4/56

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: 288.121+/-0.068 χ^2/NDF:815202.5/11

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

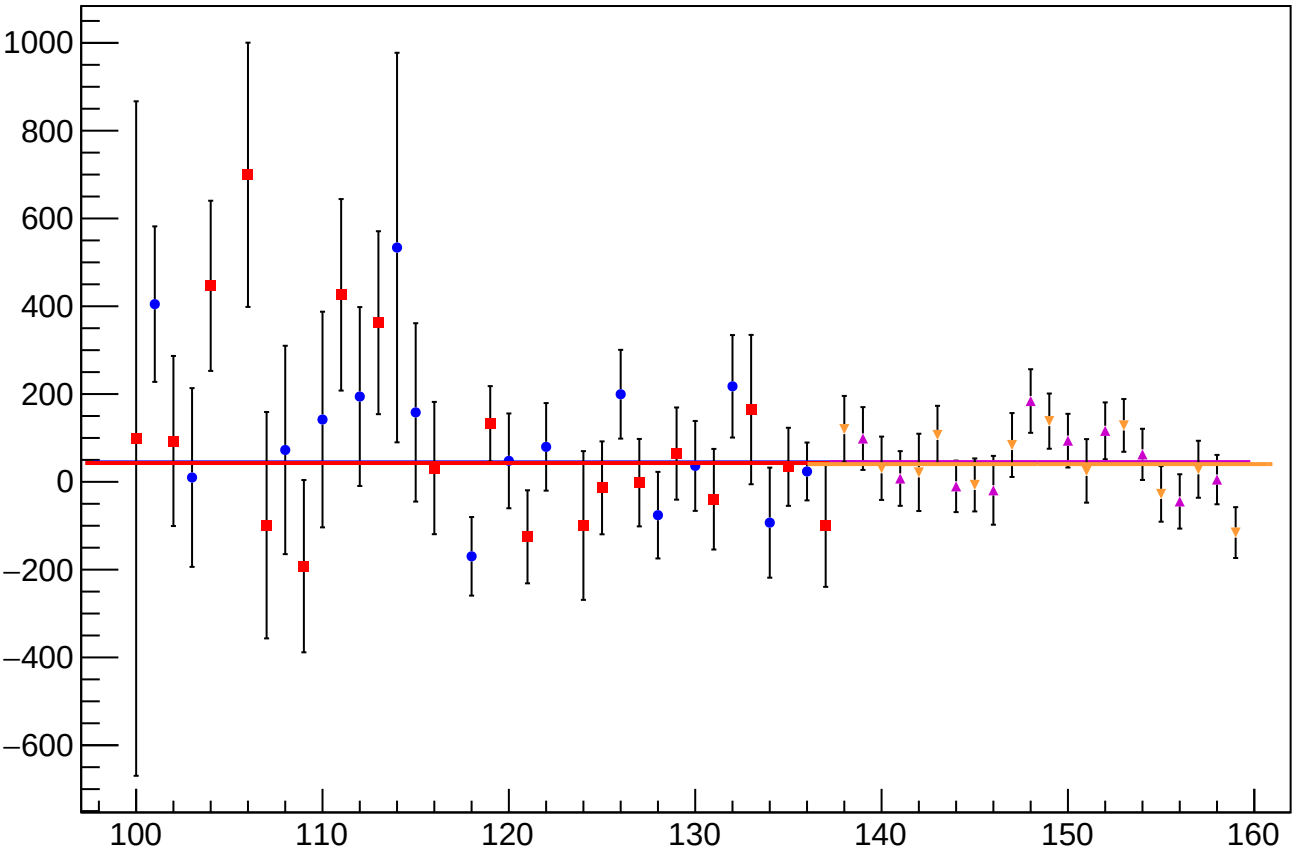
Left: 283.670+/-0.048 χ^2/NDF: 1626329.5/21

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.493+/-0.064 χ^2/NDF:5738777.6/25

Out: 331.985+/-0.063 χ^2/NDF:6300364.2/30

All: 327.752+/-0.045 χ^2/NDF: 12048062.9/56



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 40.413+/-19.273 χ^2/NDF:16.2/11

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.032+/-20.105 χ^2/NDF:10.7/9

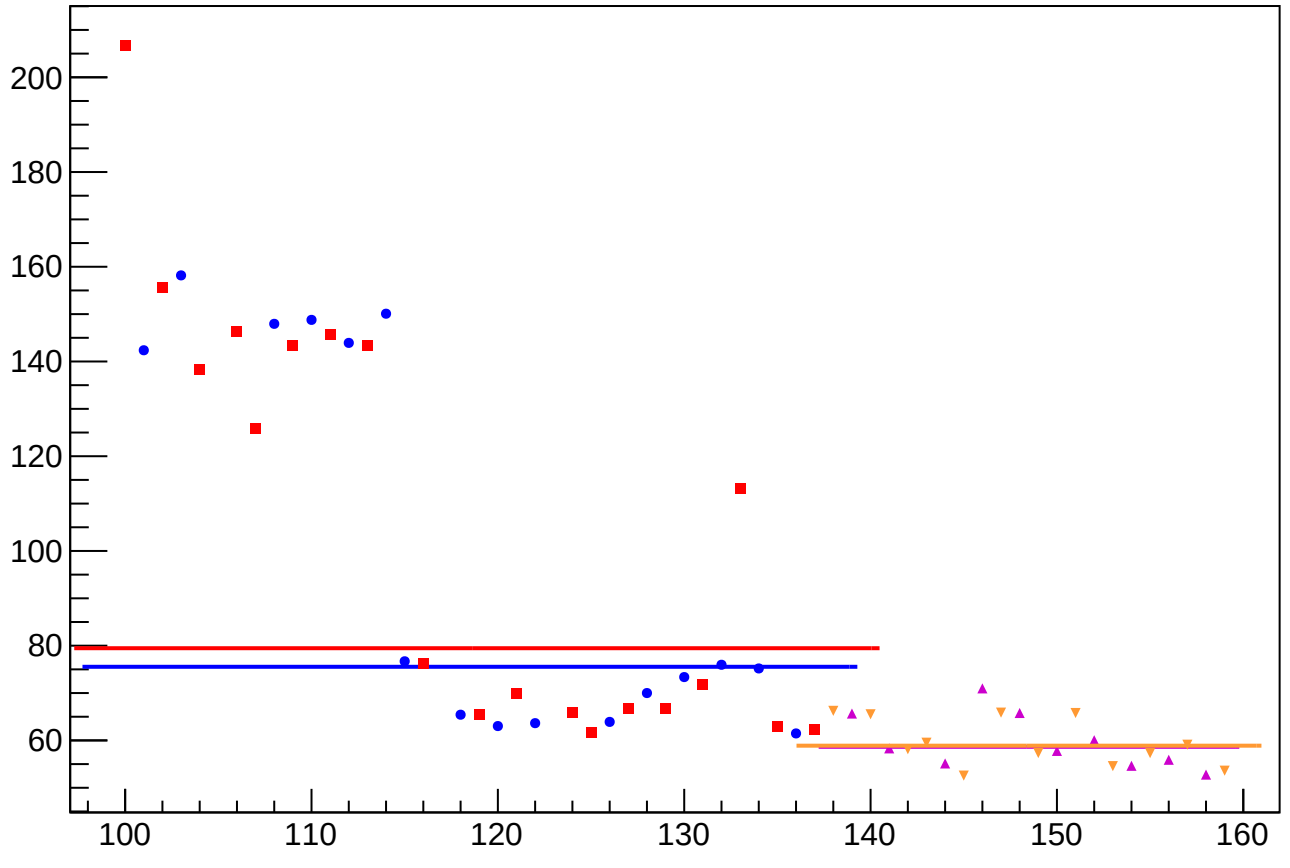
Left: 42.625+/-13.913 χ^2/NDF: 26.9/21

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.831+/-16.685 χ^2/NDF:30.3/25

Out: 41.099+/-16.404 χ^2/NDF:39.5/30

All: 42.933+/-11.698 χ^2/NDF: 69.8/56



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.888+/-0.014 χ^2/NDF:123974.2/11

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131890.6/9

Left: 58.772+/-0.010 χ^2/NDF: 256016.2/21

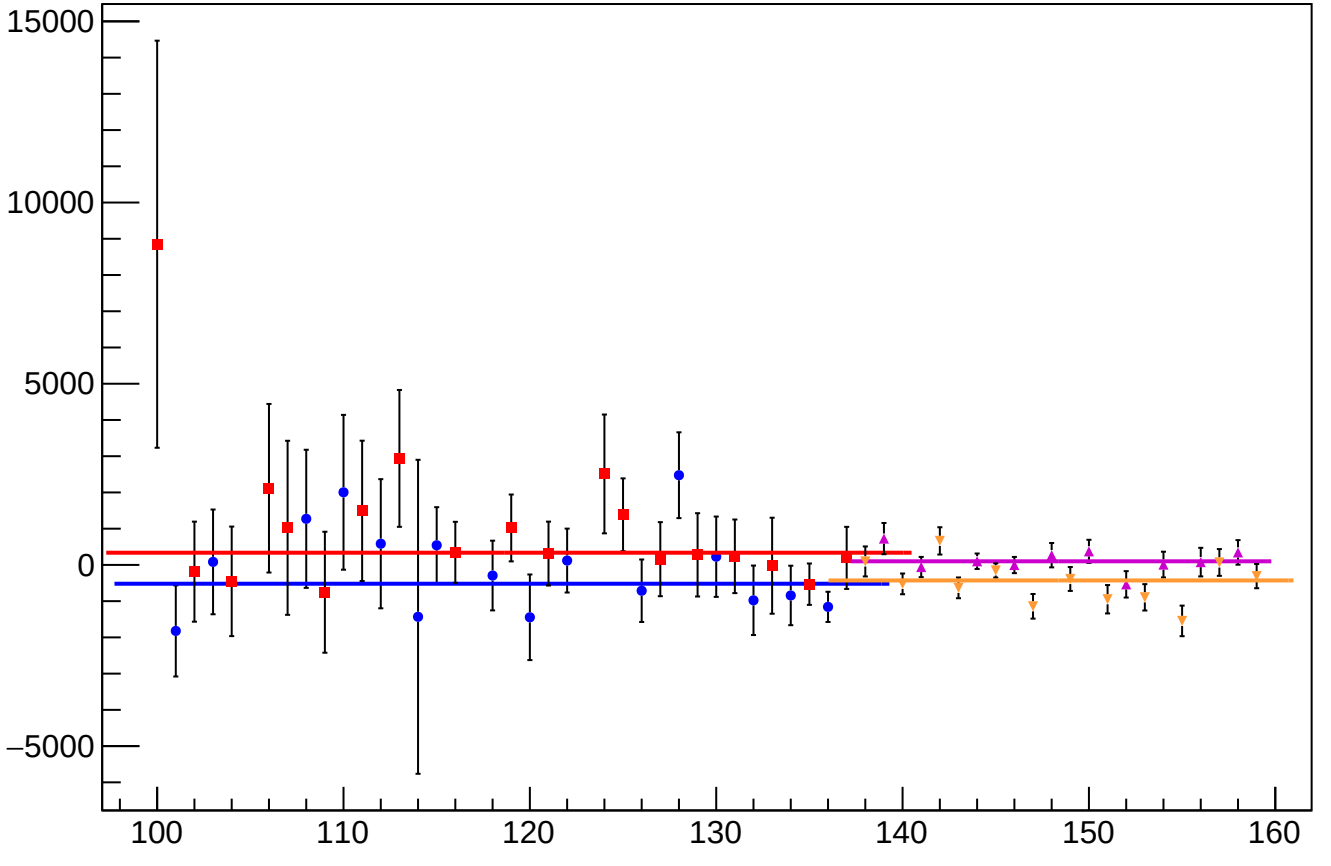
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.905+/-0.012 χ^2/NDF:2037190.6/25

Out: 64.559+/-0.012 χ^2/NDF:2435866.9/30

All: 64.238+/-0.008 χ^2/NDF: 4474618.7/56

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: -428.751+/-92.422 χ^2/NDF:29.3/11

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 99.656+/-95.623 χ^2/NDF:7.3/9

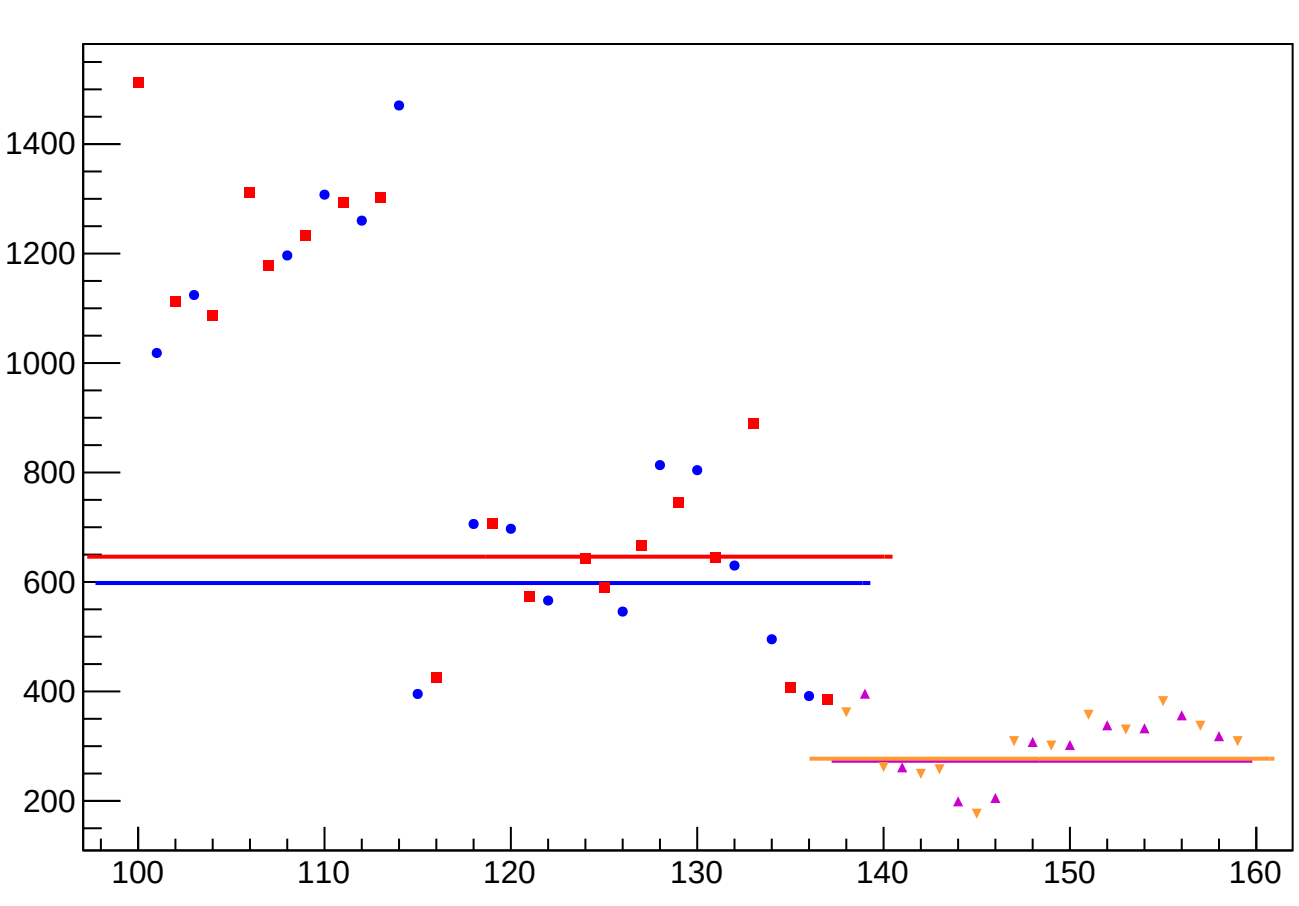
Left: -173.540+/-66.455 χ^2/NDF: 52.4/21

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 15.665+/-88.898 χ^2/NDF:28.8/25

Out: -340.861+/-86.954 χ^2/NDF:49.1/30

All: -166.538+/-62.162 χ^2/NDF: 86.1/56



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 277.152+/-0.065 χ^2/NDF:984350.0/11

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 273.297+/-0.068 χ^2/NDF:871248.6/9

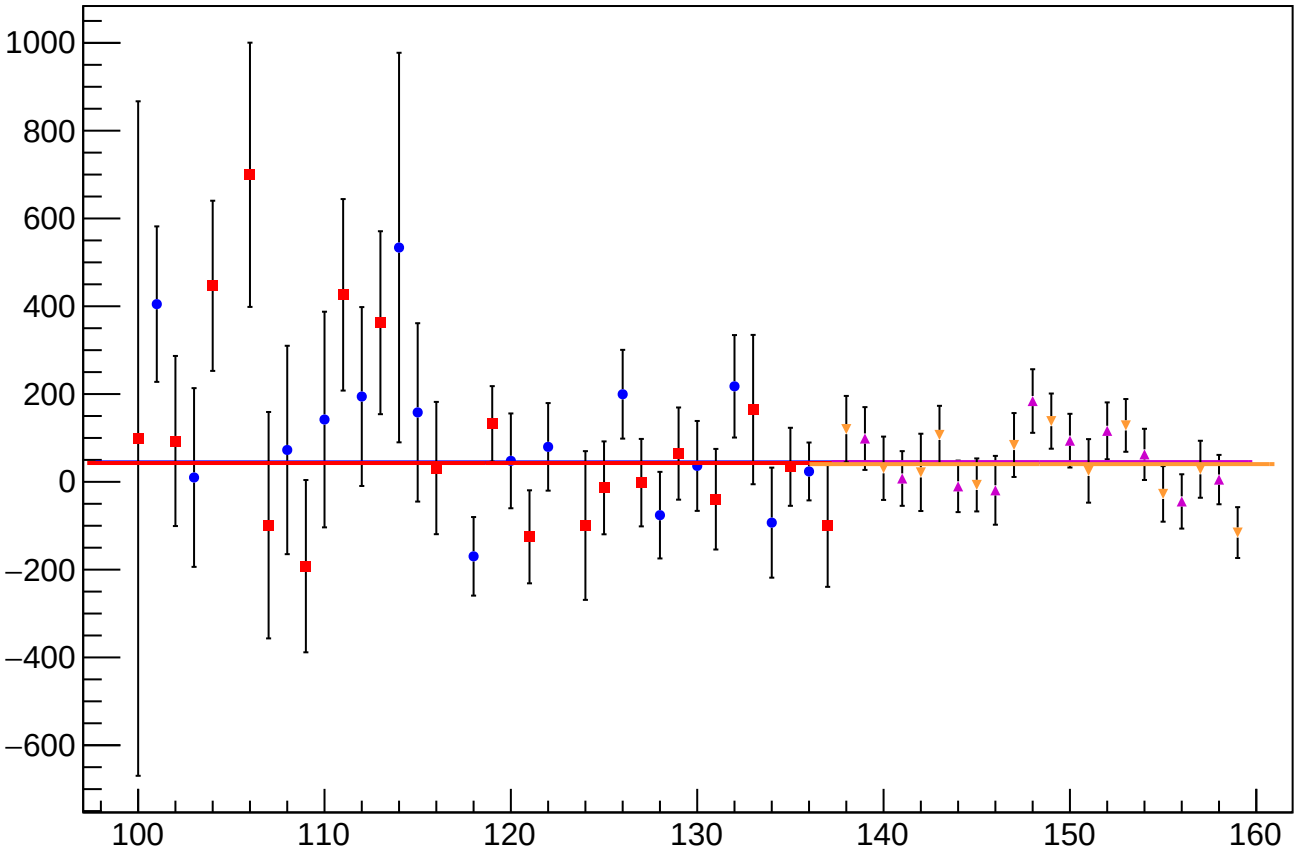
Left: 275.290+/-0.047 χ^2/NDF: 1857279.1/21

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 317.368+/-0.063 χ^2/NDF:6049521.7/25

Out: 319.524+/-0.061 χ^2/NDF:6851063.1/30

All: 318.470+/-0.044 χ^2/NDF: 12901185.8/56



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 40.413+/-19.273 χ^2/NDF:16.2/11

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.031+/-20.105 χ^2/NDF:10.7/9

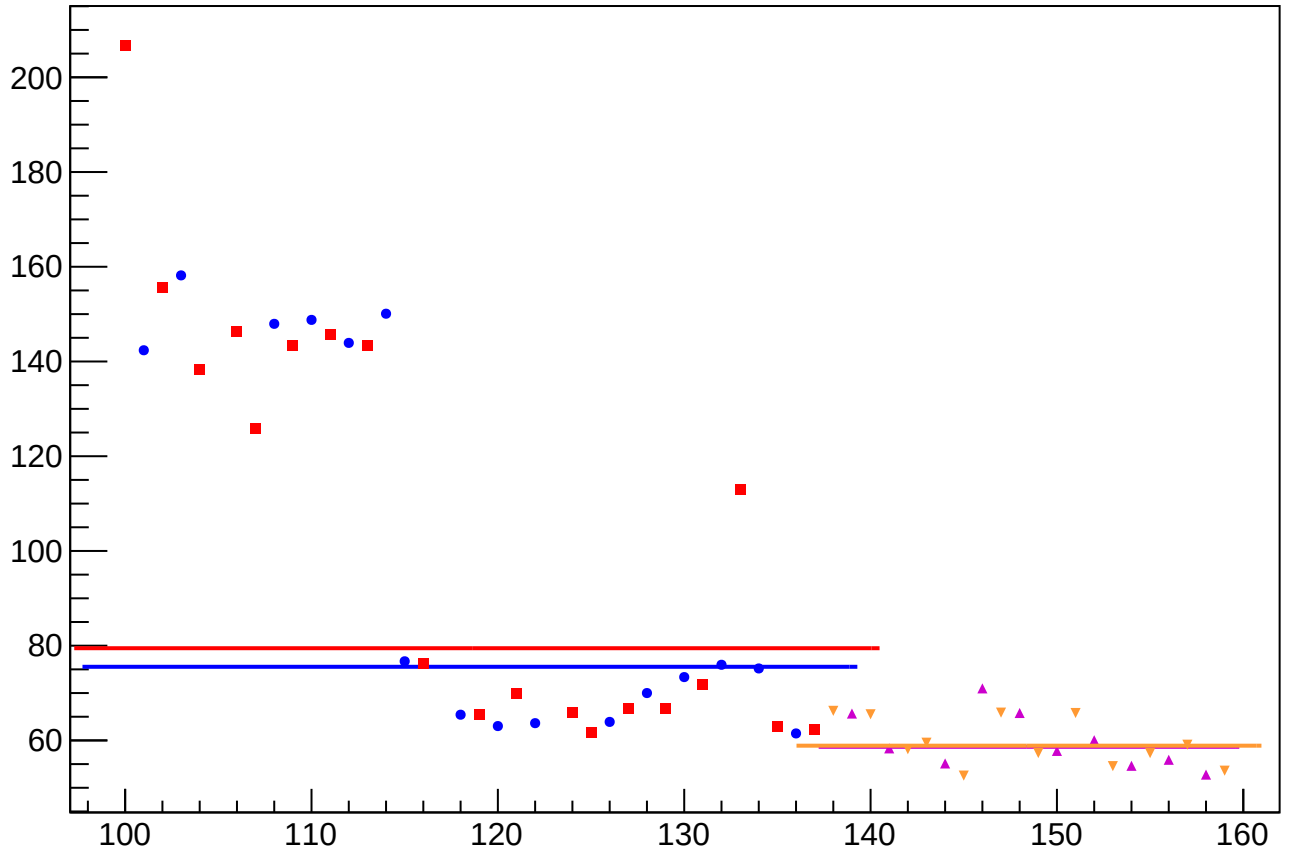
Left: 42.625+/-13.913 χ^2/NDF: 26.9/21

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.831+/-16.685 χ^2/NDF:30.3/25

Out: 41.099+/-16.404 χ^2/NDF:39.5/30

All: 42.933+/-11.698 χ^2/NDF: 69.8/56



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.888+/-0.014 χ^2/NDF:123974.9/11

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131895.3/9

Left: 58.772+/-0.010 χ^2/NDF: 256021.7/21

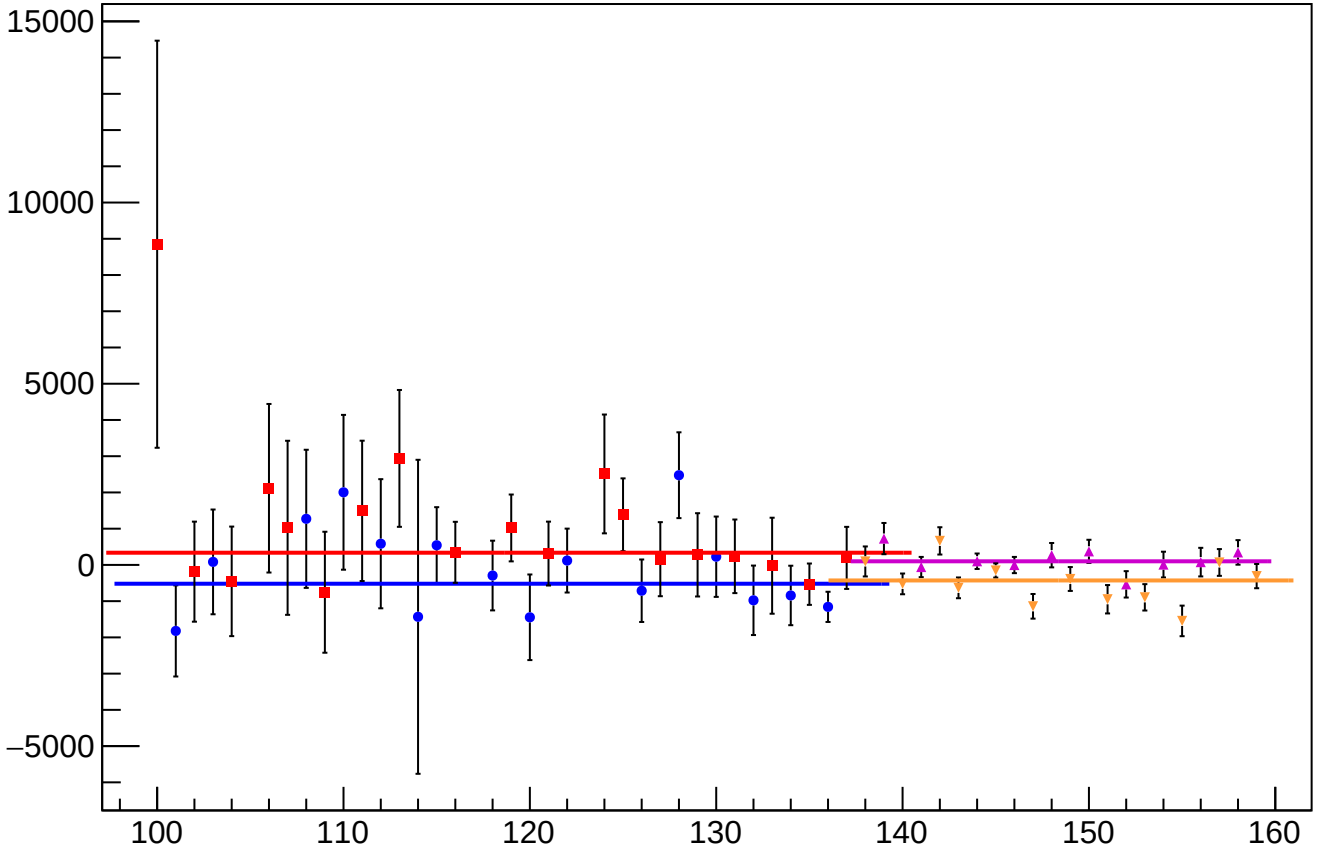
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.905+/-0.012 χ^2/NDF:2037160.8/25

Out: 64.559+/-0.012 χ^2/NDF:2435837.4/30

All: 64.238+/-0.008 χ^2/NDF: 4474559.6/56

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: -428.751+/-92.421 χ^2/NDF:29.3/11

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 99.656+/-95.623 χ^2/NDF:7.3/9

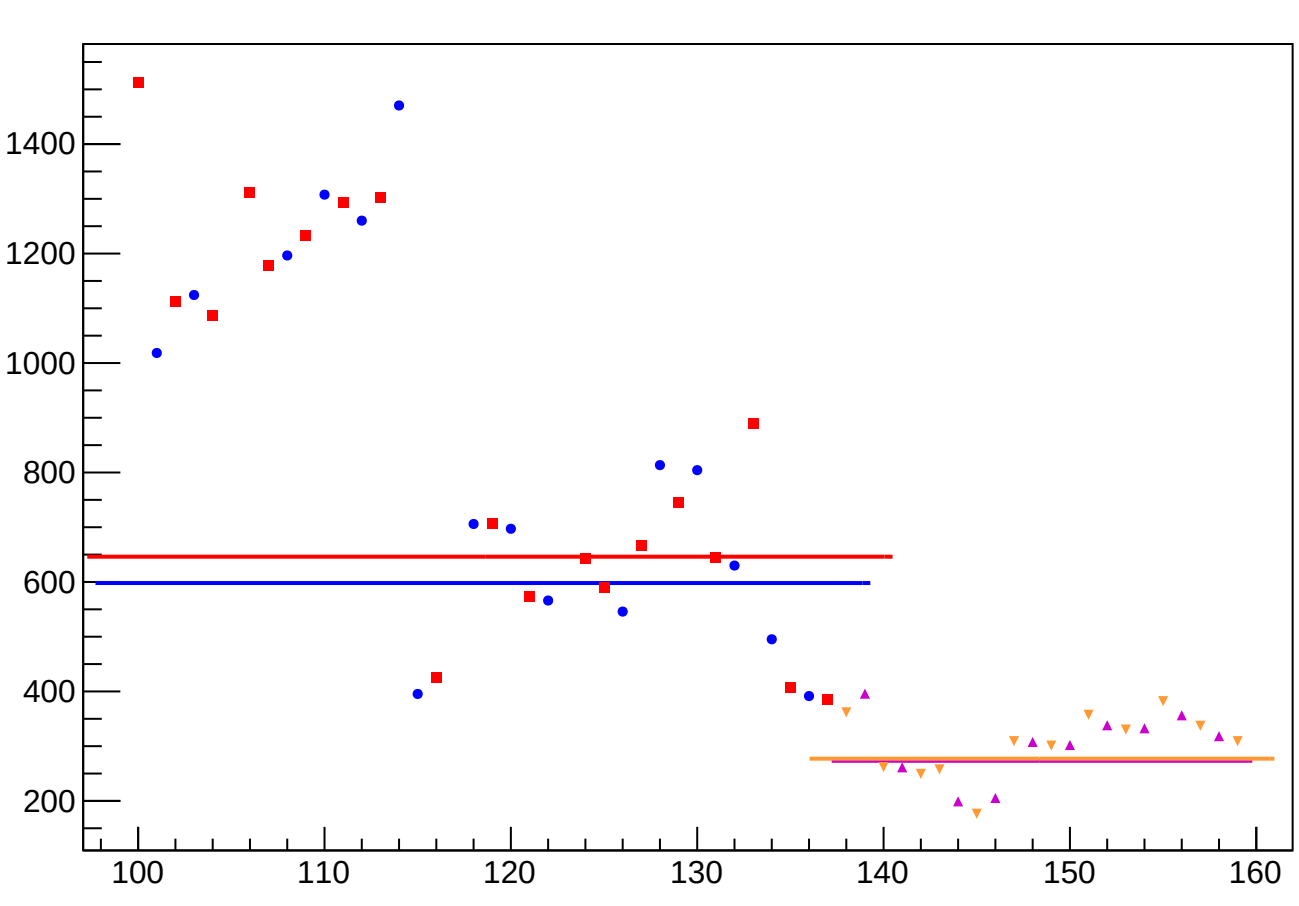
Left: -173.541+/-66.455 χ^2/NDF: 52.4/21

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 15.665+/-88.898 χ^2/NDF:28.8/25

Out: -340.861+/-86.954 χ^2/NDF:49.1/30

All: -166.538+/-62.162 χ^2/NDF: 86.1/56



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 277.151+/-0.065 χ^2/NDF:984357.4/11

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 273.297+/-0.068 χ^2/NDF:871246.6/9

Left: 275.290+/-0.047 χ^2/NDF: 1857284.3/21

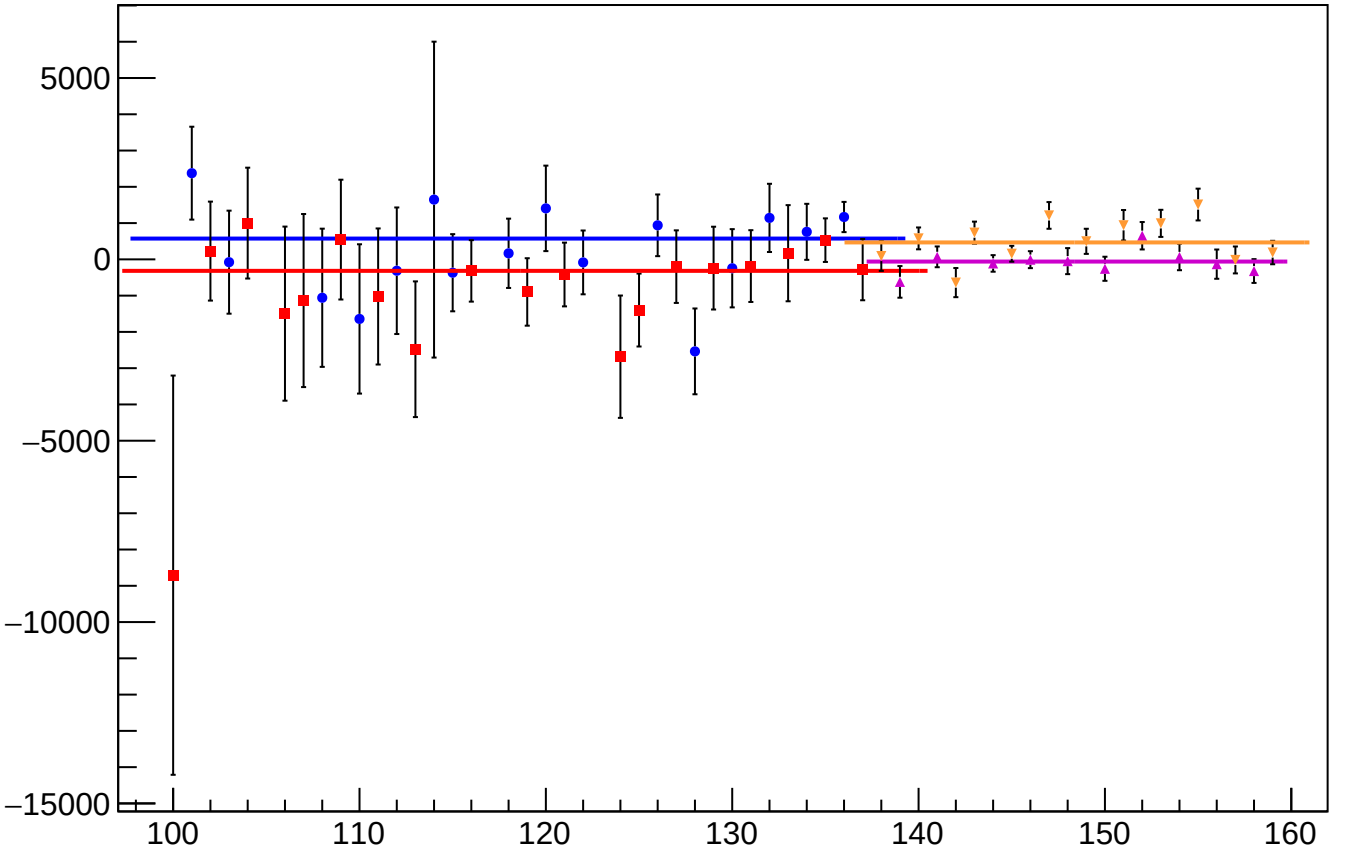
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 317.368+/-0.063 χ^2/NDF:6049506.1/25

Out: 319.523+/-0.061 χ^2/NDF:6851065.5/30

All: 318.469+/-0.044 χ^2/NDF: 12901172.5/56

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 466.867+/-97.404 χ^2/NDF:26.8/11

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -60.834+/-99.167 χ^2/NDF:6.7/9

Left: 207.750+/-69.490 χ^2/NDF: 47.9/21

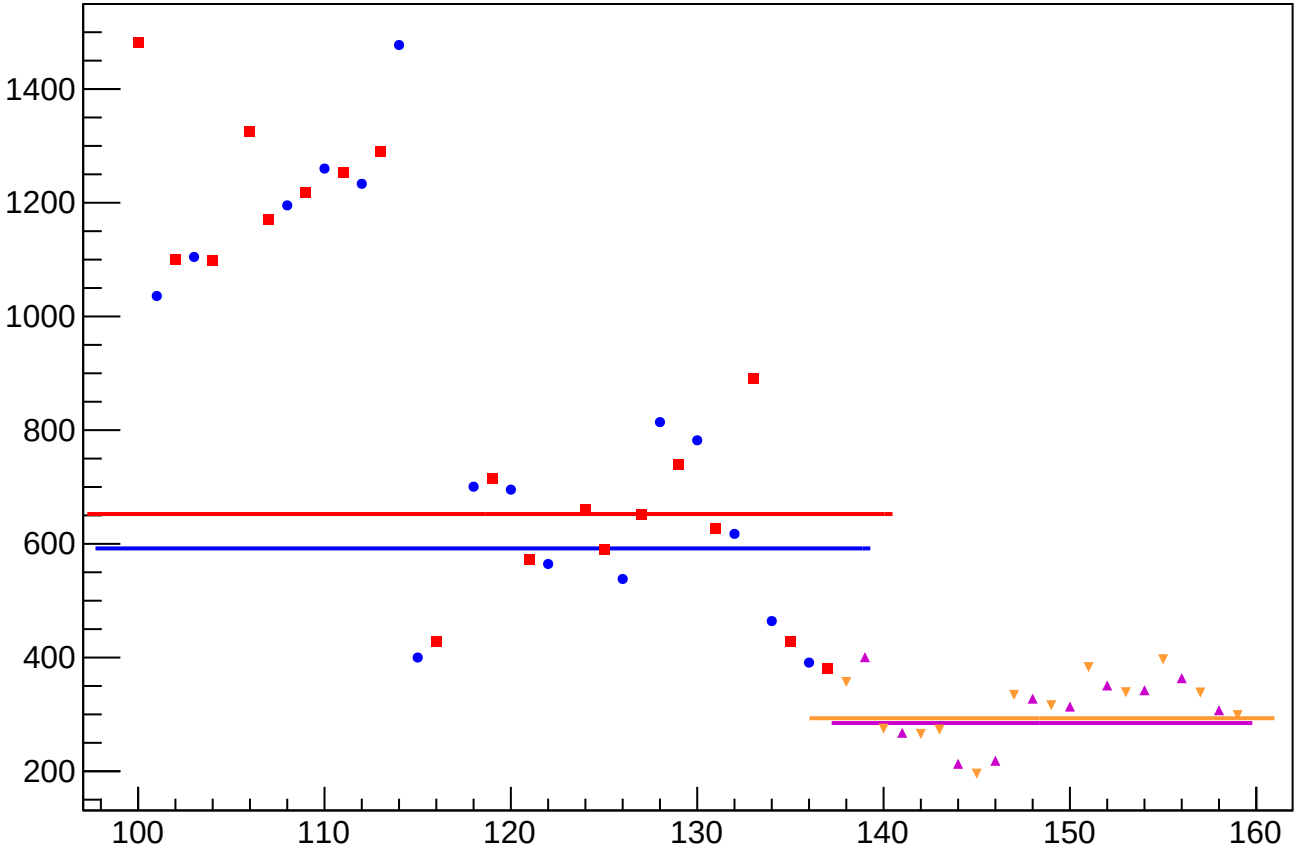
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 32.368+/-91.591 χ^2/NDF:29.2/25

Out: 369.259+/-91.136 χ^2/NDF:45.9/30

All: 201.651+/-64.603 χ^2/NDF: 82.0/56

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 293.254+/-0.069 χ^2/NDF:767685.5/11

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.802+/-0.070 χ^2/NDF:747346.7/9

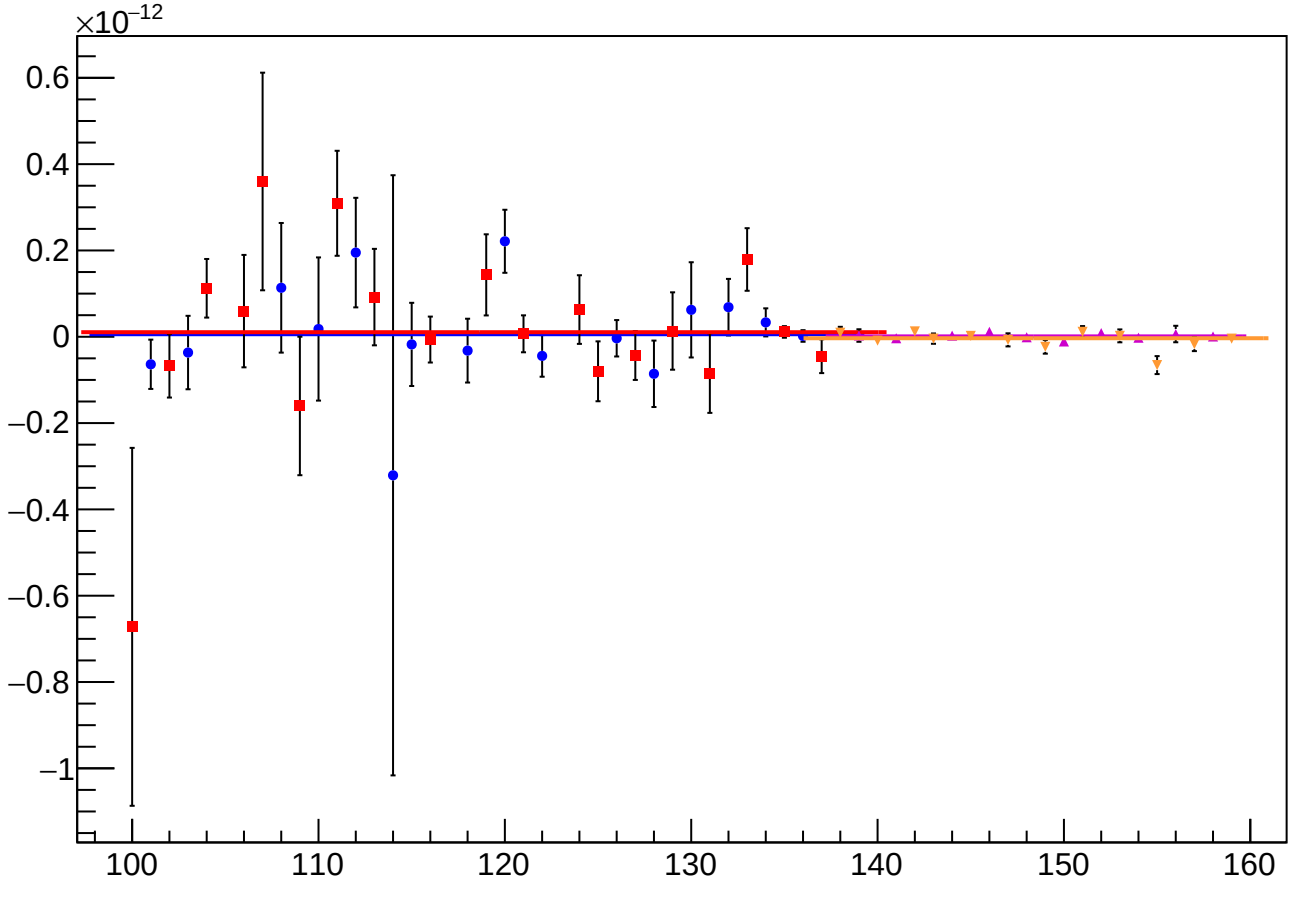
Left: 289.104+/-0.049 χ^2/NDF: 1522425.9/21

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 329.944+/-0.065 χ^2/NDF:5603071.4/25

Out: 337.993+/-0.064 χ^2/NDF:6245362.9/30

All: 333.988+/-0.046 χ^2/NDF: 11856195.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

Left: -0.000+/-0.000 χ^2/NDF: 21.0/21

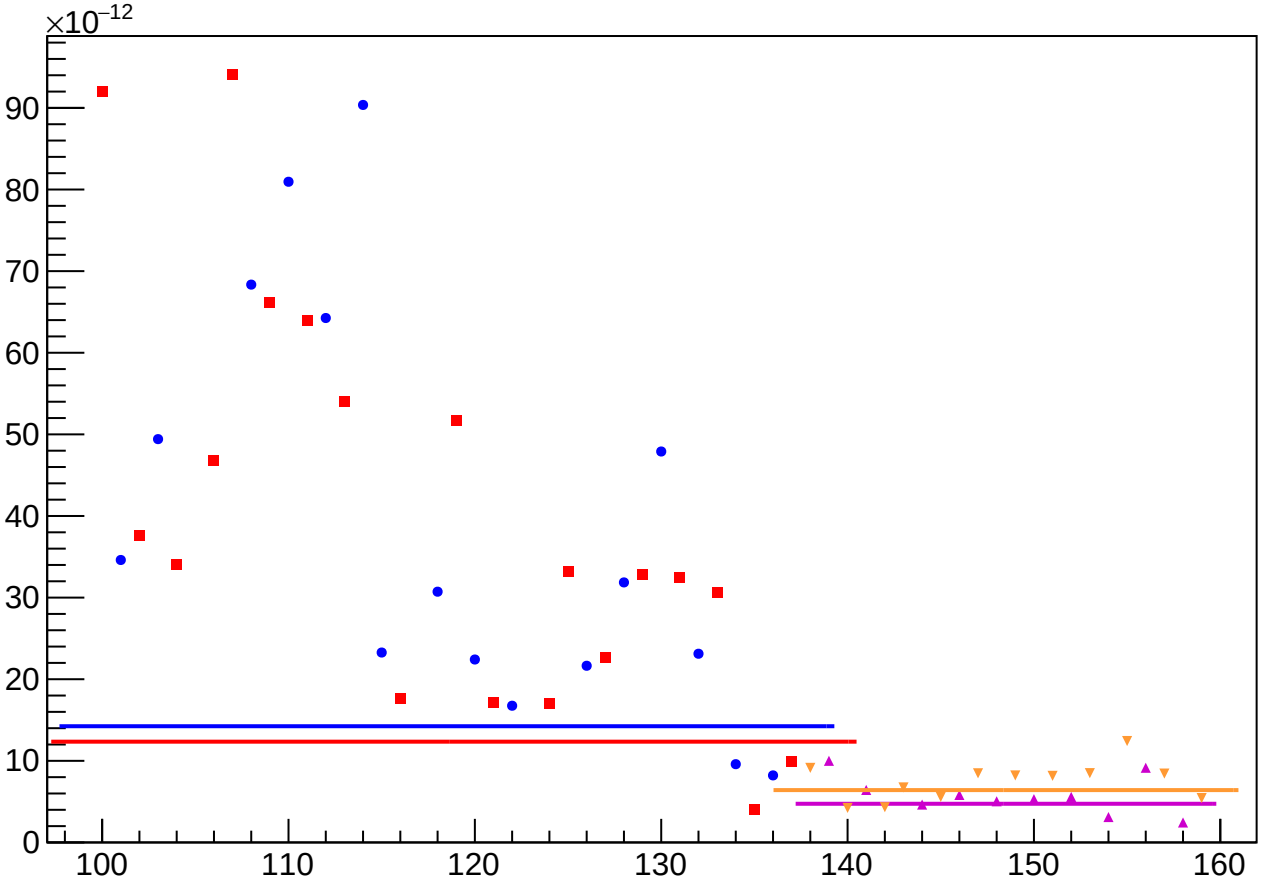
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:22.0/25

Out: -0.000+/-0.000 χ^2/NDF:47.7/30

All: -0.000+/-0.000 χ^2/NDF: 70.3/56

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:674525.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:762946.9/9

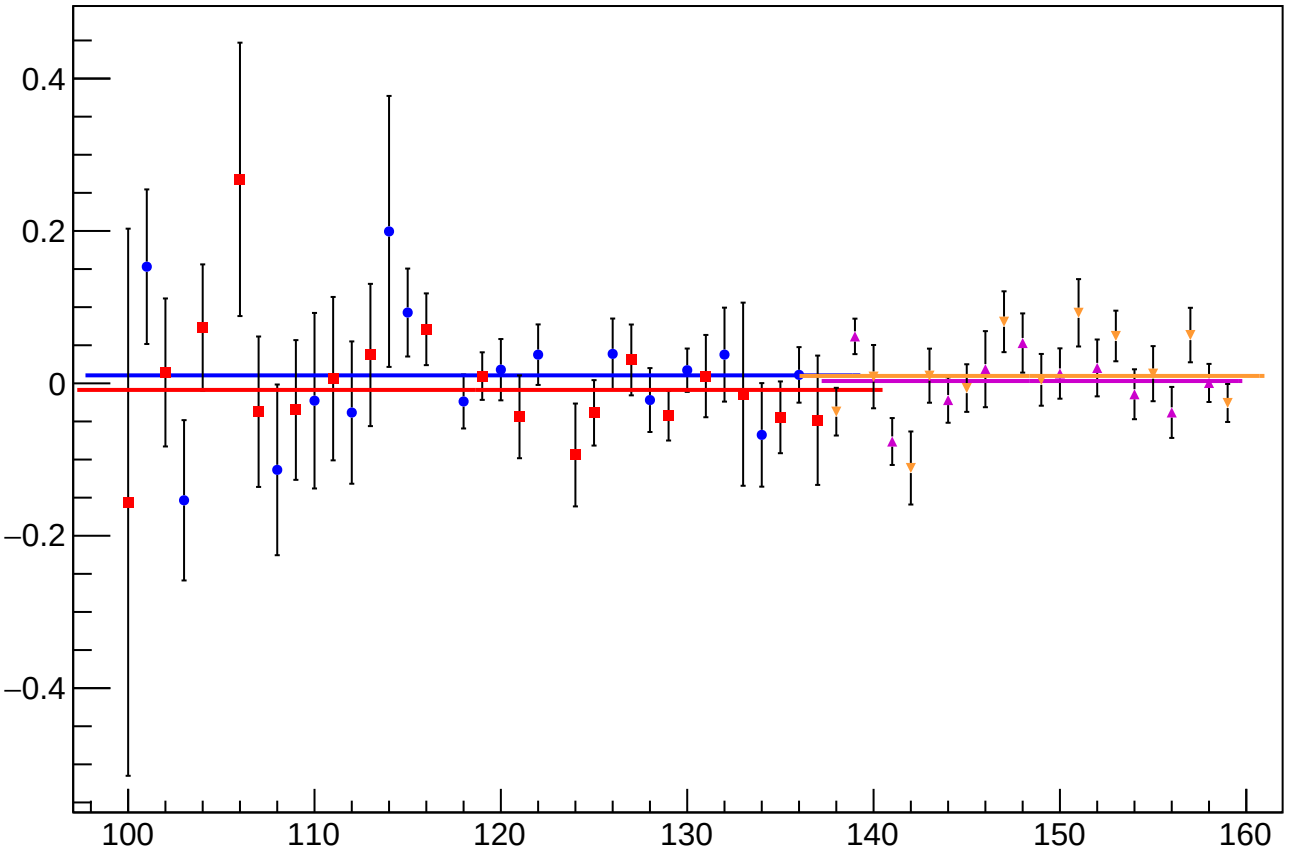
Left: 0.000+/-0.000 χ^2/NDF: 1706461.5/21

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:4763076.3/25

Out: 0.000+/-0.000 χ^2/NDF:4720081.7/30

All: 0.000+/-0.000 χ^2/NDF: 9728355.5/56



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

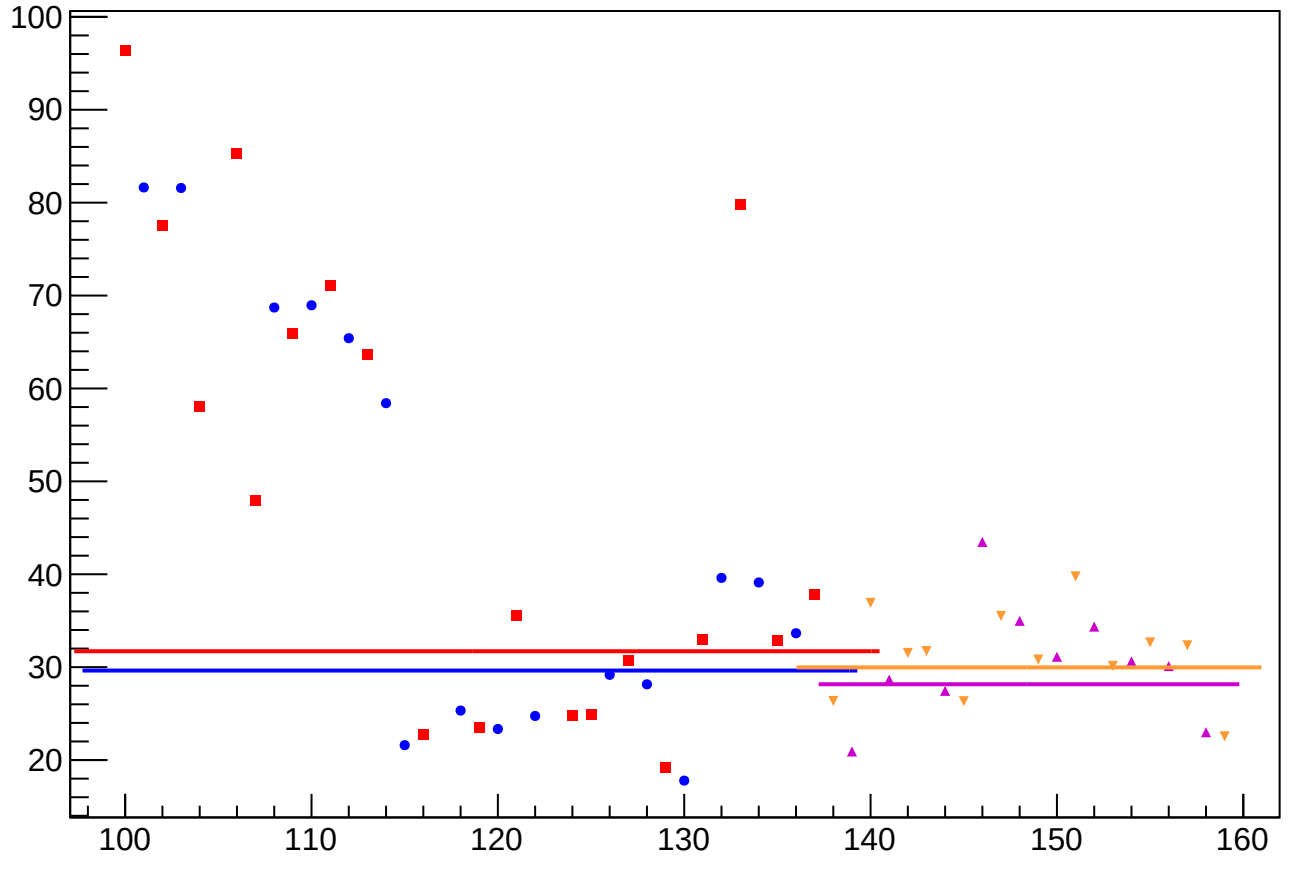
Left: 0.006+/-0.007 χ^2/NDF: 40.1/21

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.005+/-0.006 χ^2/NDF: 67.0/56



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.974+/-0.007 χ^2/NDF:451807.2/11

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

Left: 29.057+/-0.005 χ^2/NDF: 1104825.7/21

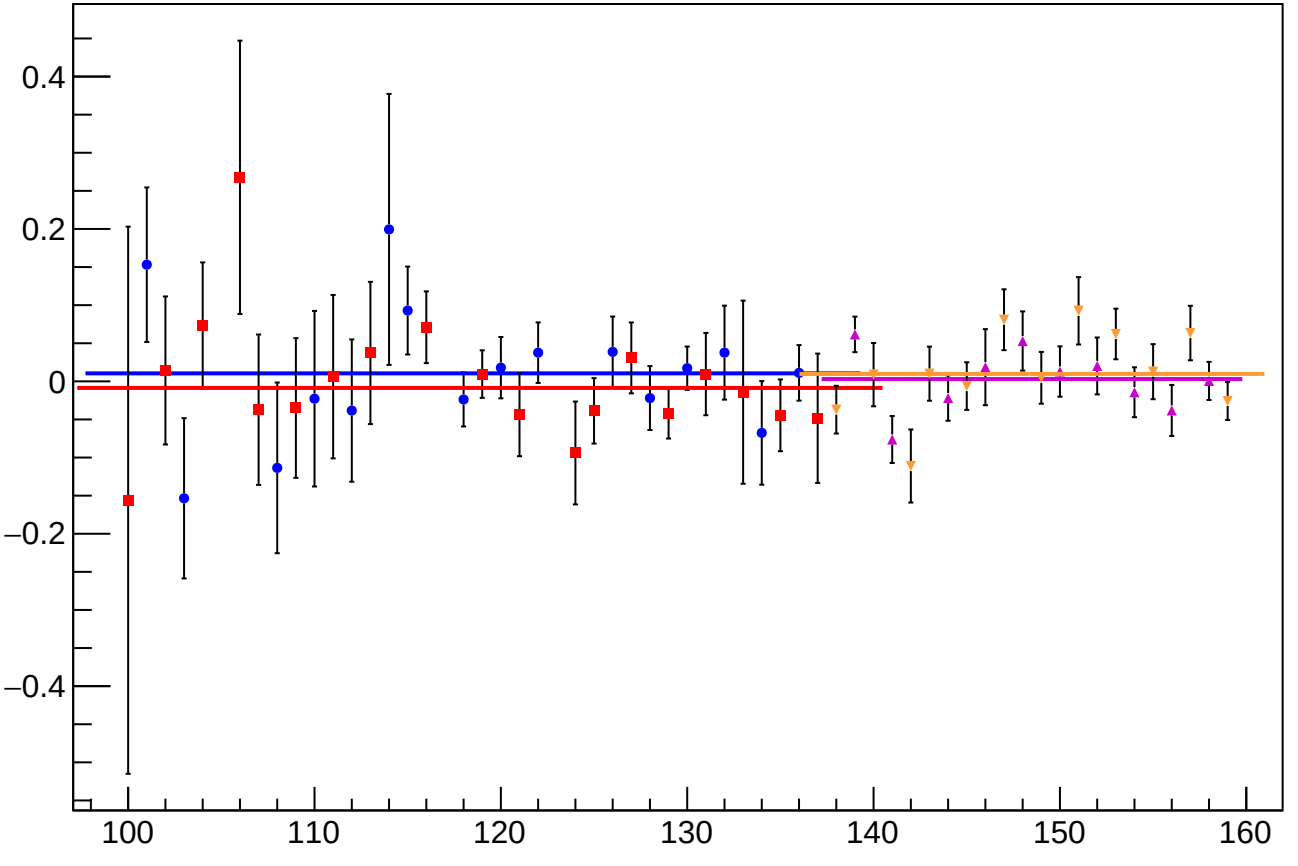
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.727+/-0.006 χ^2/NDF:3085459.5/25

Out: 30.608+/-0.006 χ^2/NDF:3125175.1/30

All: 29.642+/-0.004 χ^2/NDF: 6267408.2/56

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

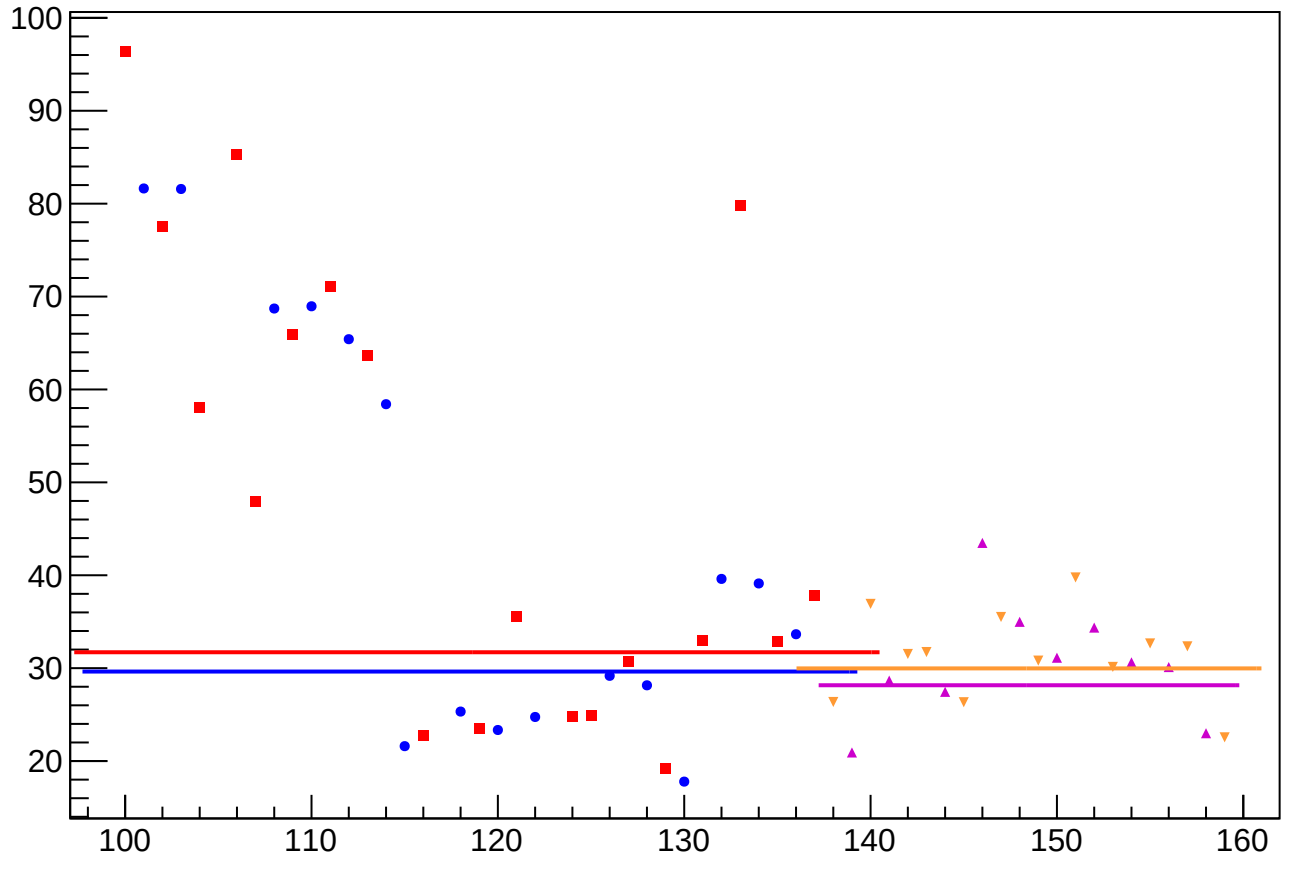
Left: 0.006+/-0.007 χ^2/NDF: 40.1/21

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.005+/-0.006 χ^2/NDF: 67.0/56



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.974+/-0.007 χ^2/NDF:451807.2/11

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

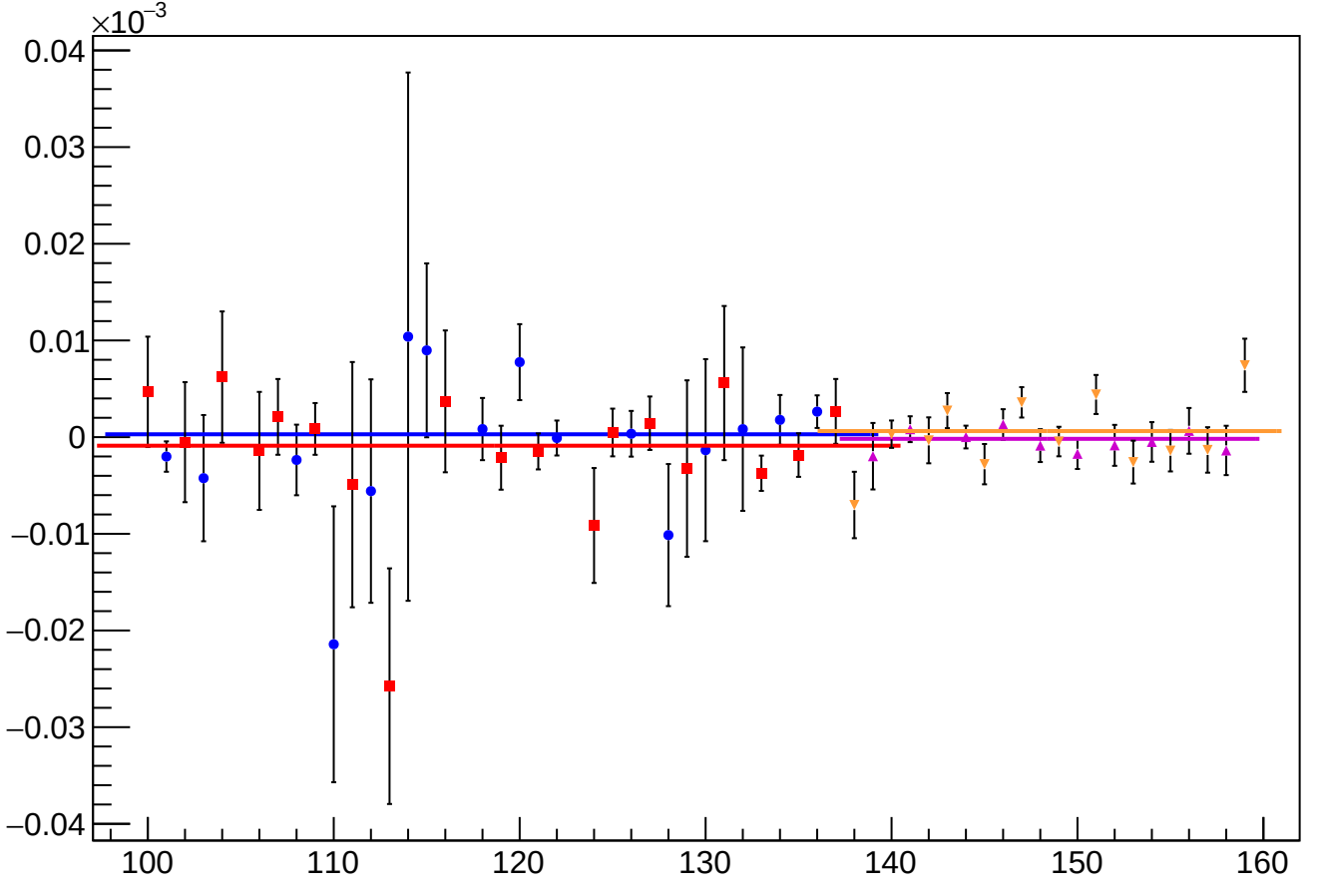
Left: 29.057+/-0.005 χ^2/NDF: 1104825.7/21

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.727+/-0.006 χ^2/NDF:3085459.5/25

Out: 30.608+/-0.006 χ^2/NDF:3125175.1/30

All: 29.642+/-0.004 χ^2/NDF: 6267408.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/9

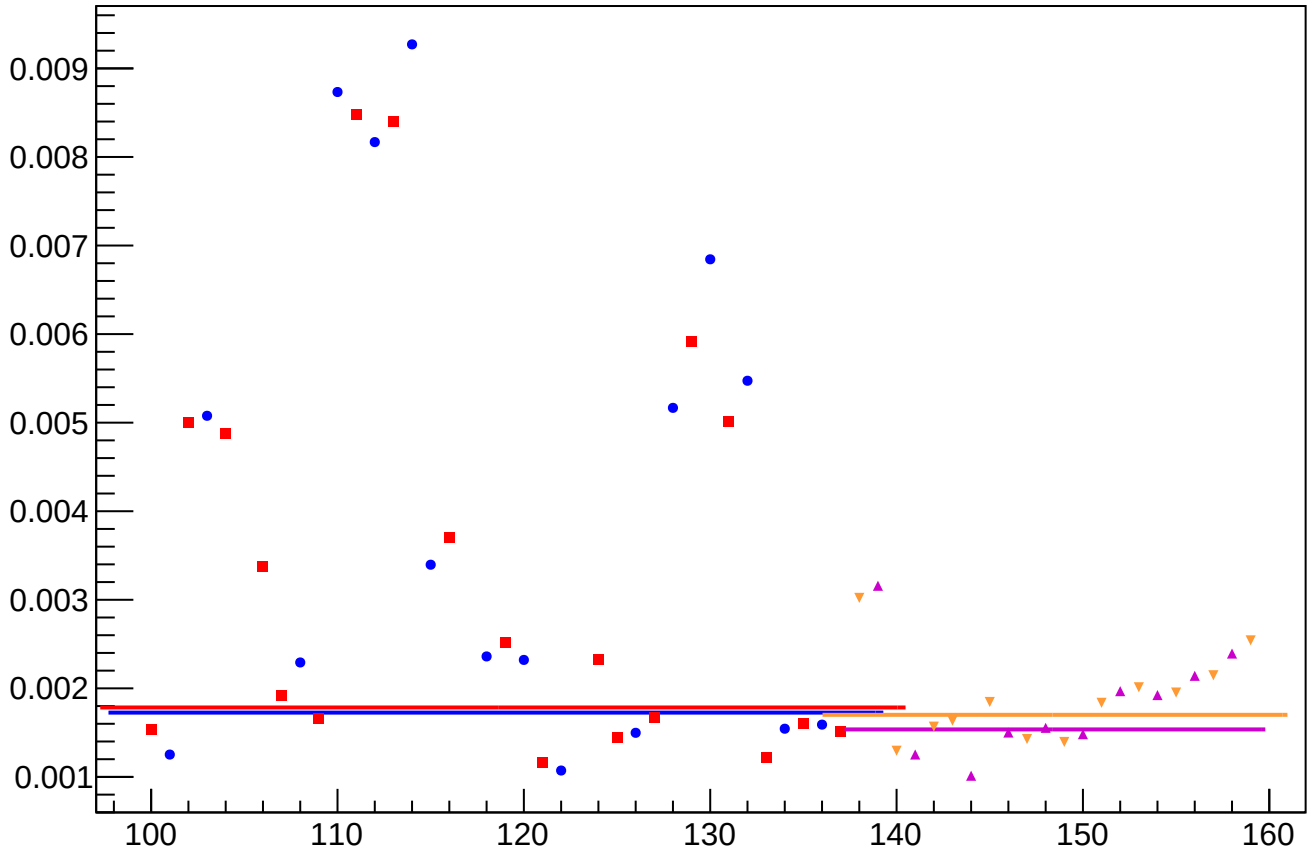
Left: 0.000+/-0.000 χ^2/NDF: 31.0/21

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:18.4/25

Out: 0.000+/-0.000 χ^2/NDF:44.5/30

All: 0.000+/-0.000 χ^2/NDF: 62.9/56



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:953861.7/11

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1445106.5/9

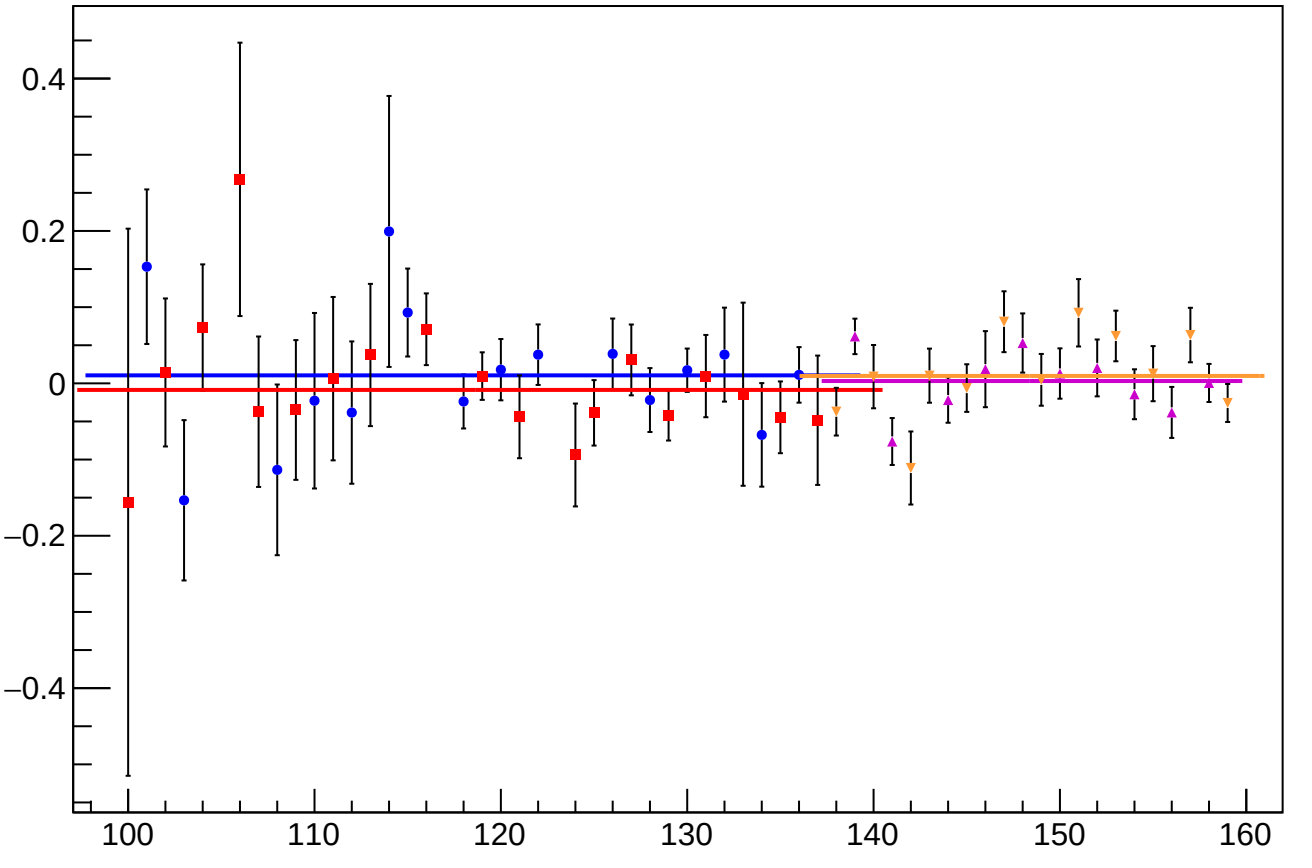
Left: 0.002+/-0.000 χ^2/NDF: 2486239.4/21

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5459225.4/25

Out: 0.002+/-0.000 χ^2/NDF:4687466.4/30

All: 0.002+/-0.000 χ^2/NDF: 10227904.9/56



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

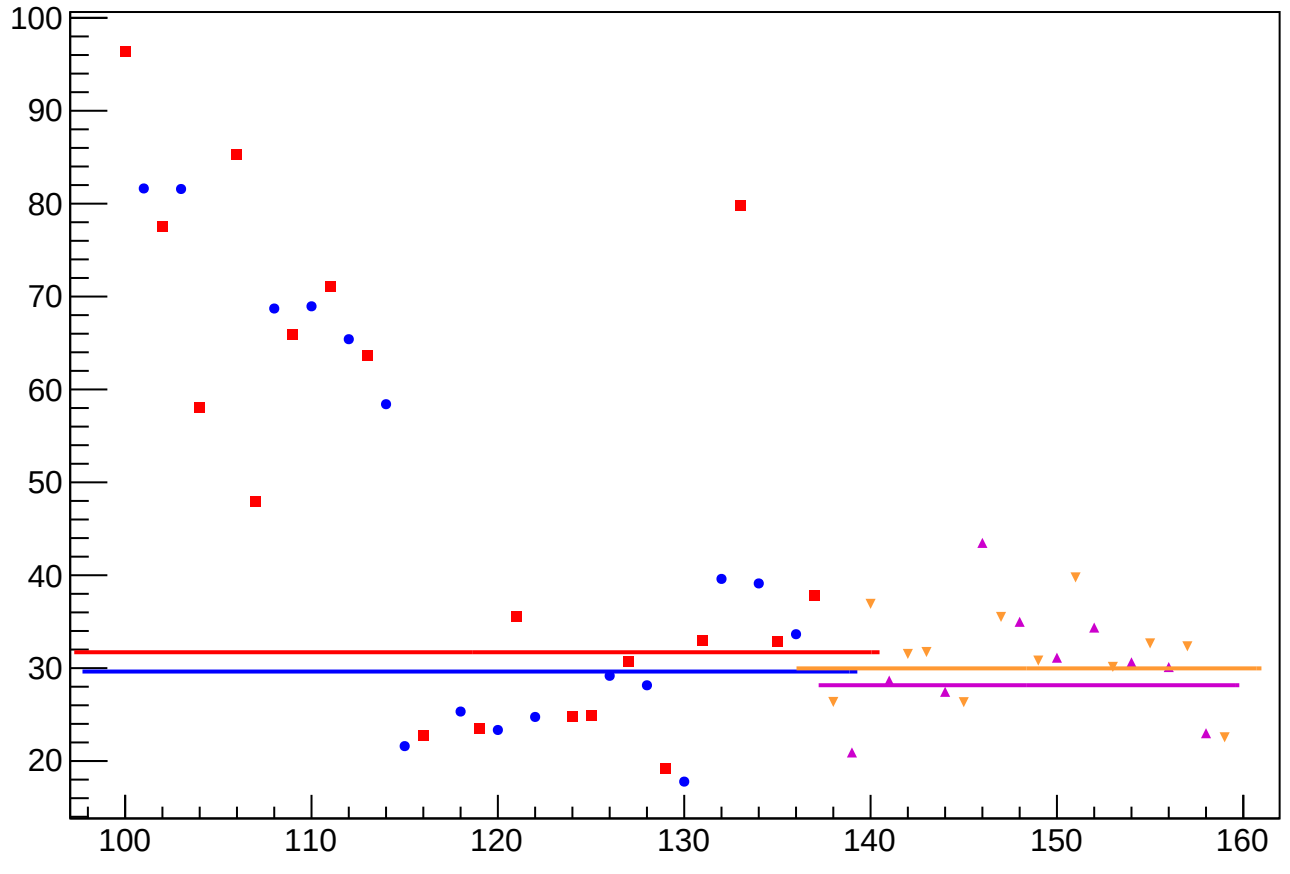
Left: 0.006+/-0.007 χ^2/NDF: 40.1/21

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.005+/-0.006 χ^2/NDF: 67.0/56



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.974+/-0.007 χ^2/NDF:451832.2/11

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

Left: 29.057+/-0.005 χ^2/NDF: 1104868.4/21

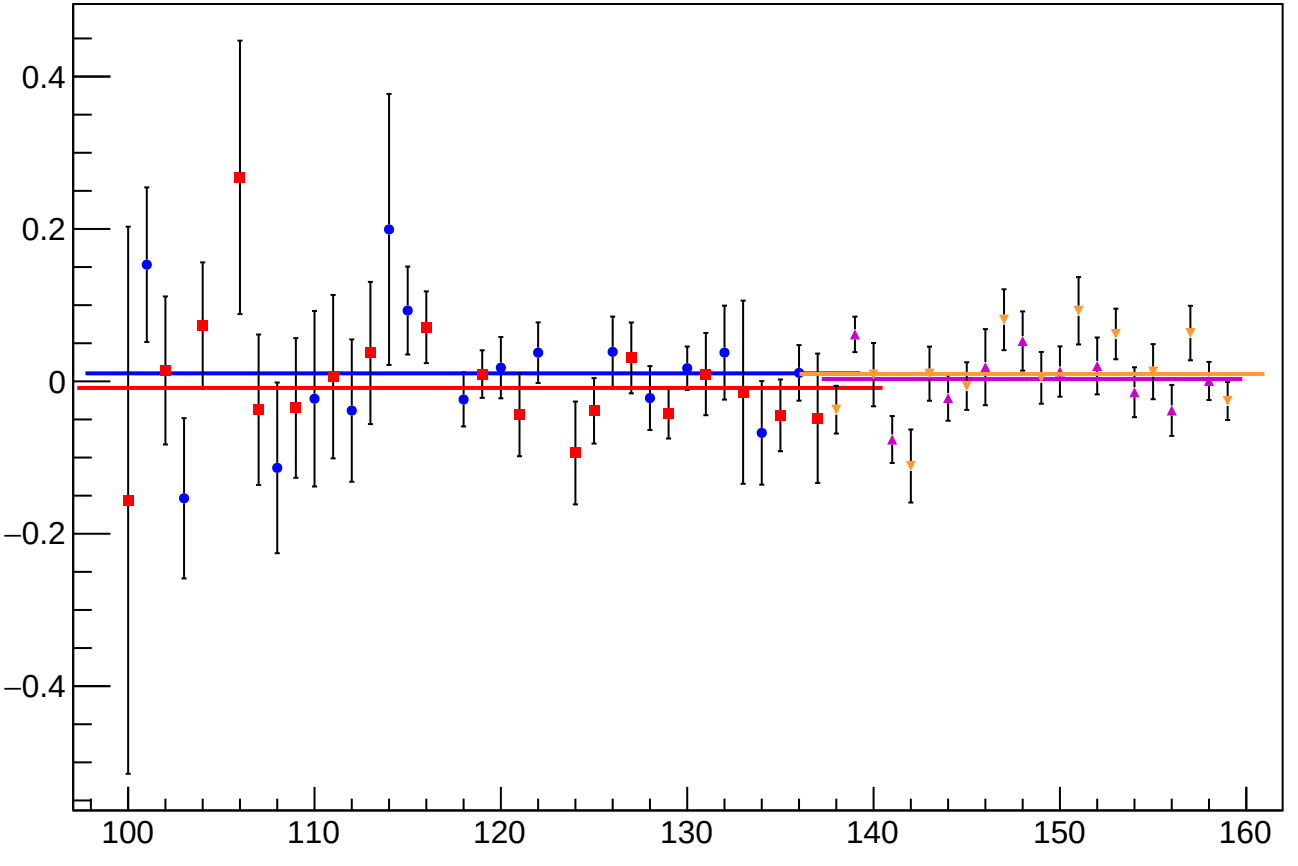
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.727+/-0.006 χ^2/NDF:3085645.9/25

Out: 30.608+/-0.006 χ^2/NDF:3125330.7/30

All: 29.642+/-0.004 χ^2/NDF: 6267753.6/56

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: 0.010+/-0.010 χ^2/NDF:22.4/11

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

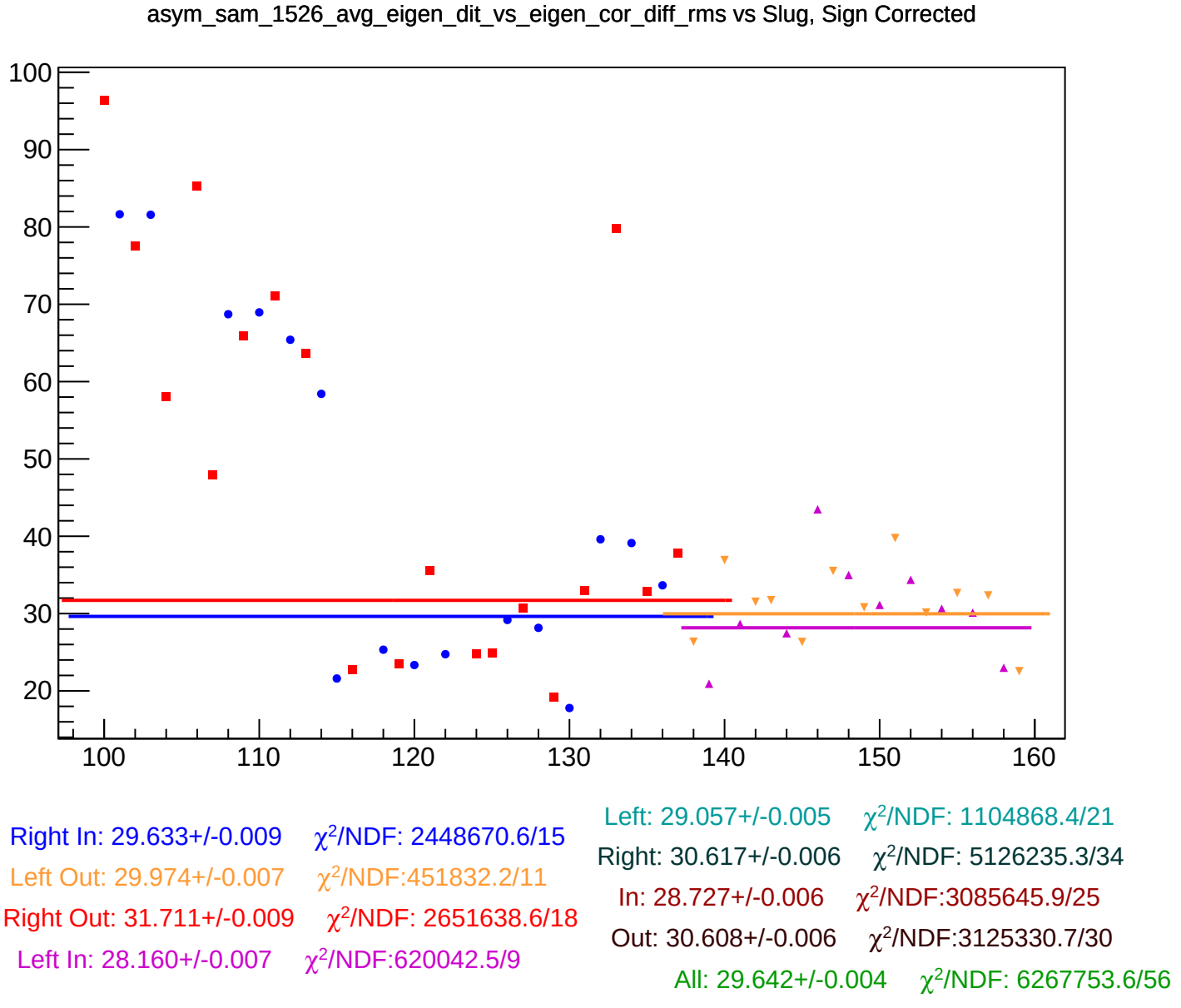
Left: 0.006+/-0.007 χ^2/NDF: 40.1/21

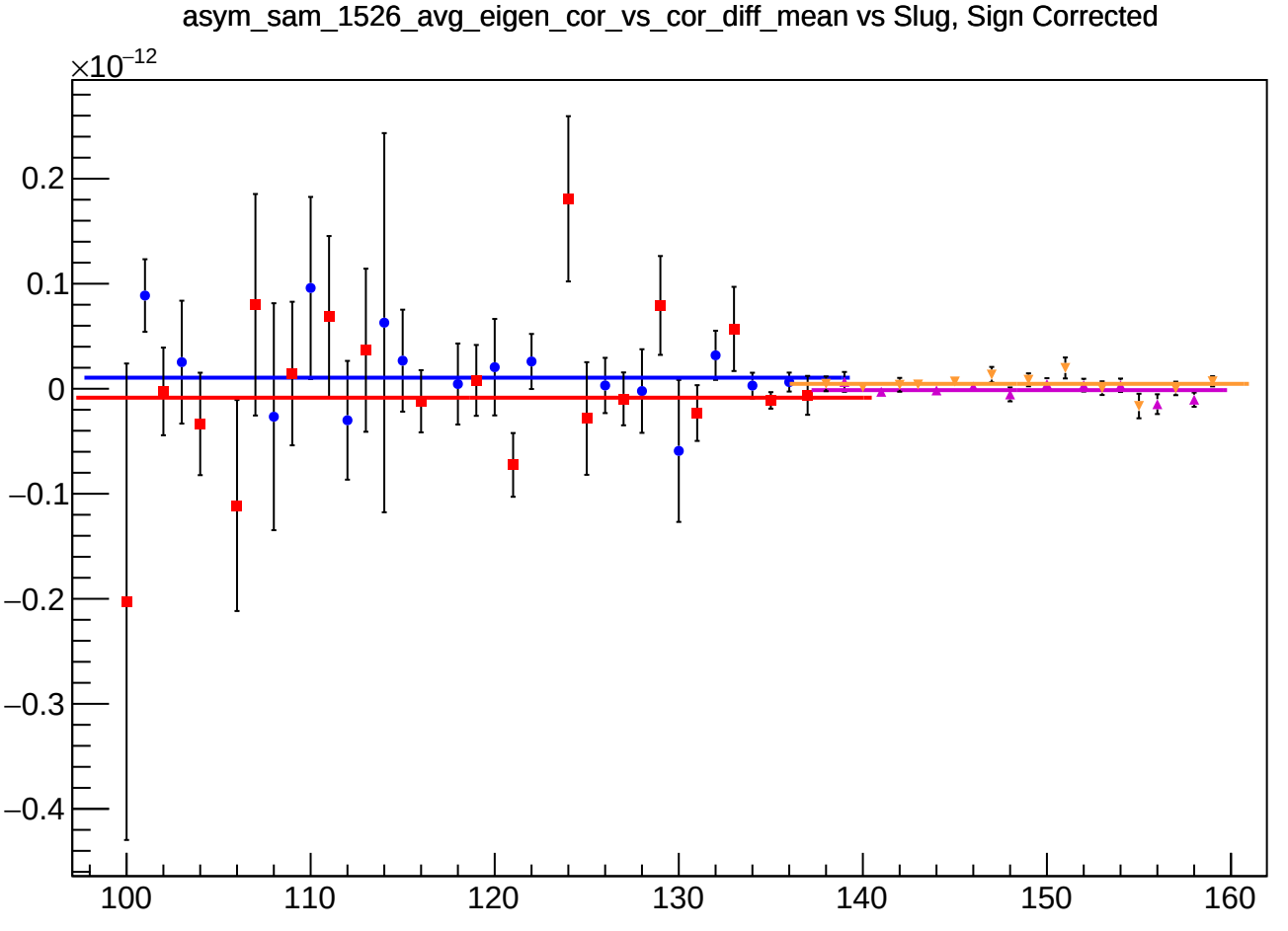
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.005+/-0.006 χ^2/NDF: 67.0/56


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 29.974+/-0.007 χ²/NDF:451832.2/11
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.160+/-0.007 χ²/NDF:620042.5/9
Left: 29.057+/-0.005 χ²/NDF: 1104868.4/21
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 28.727+/-0.006 χ²/NDF:3085645.9/25
Out: 30.608+/-0.006 χ²/NDF:3125330.7/30
All: 29.642+/-0.004 χ²/NDF: 6267753.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/9

Left: 0.000+/-0.000 χ^2/NDF: 24.4/21

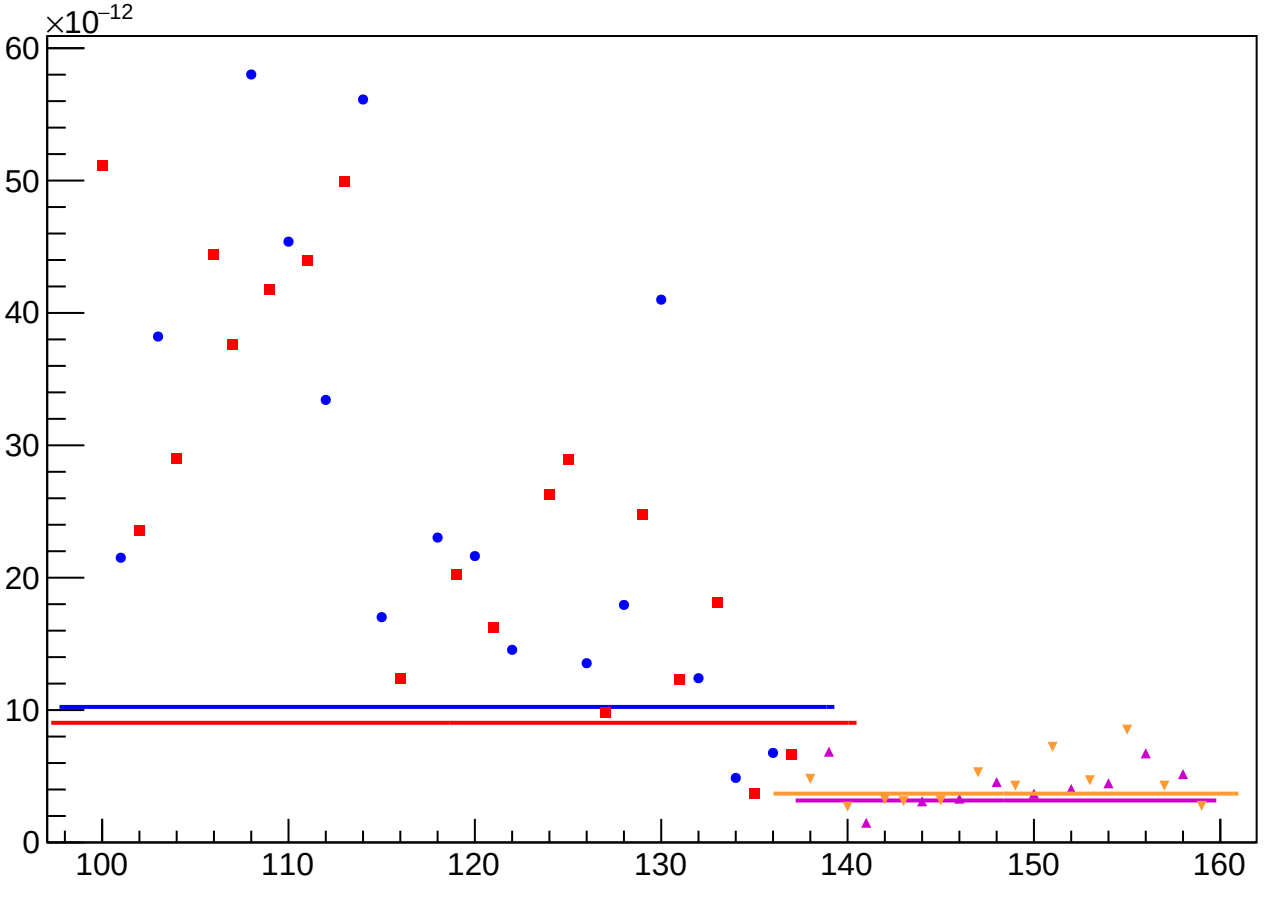
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: -0.000+/-0.000 χ^2/NDF:21.7/25

Out: 0.000+/-0.000 χ^2/NDF:35.6/30

All: 0.000+/-0.000 χ^2/NDF: 61.0/56

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1107016.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1772013.0/9

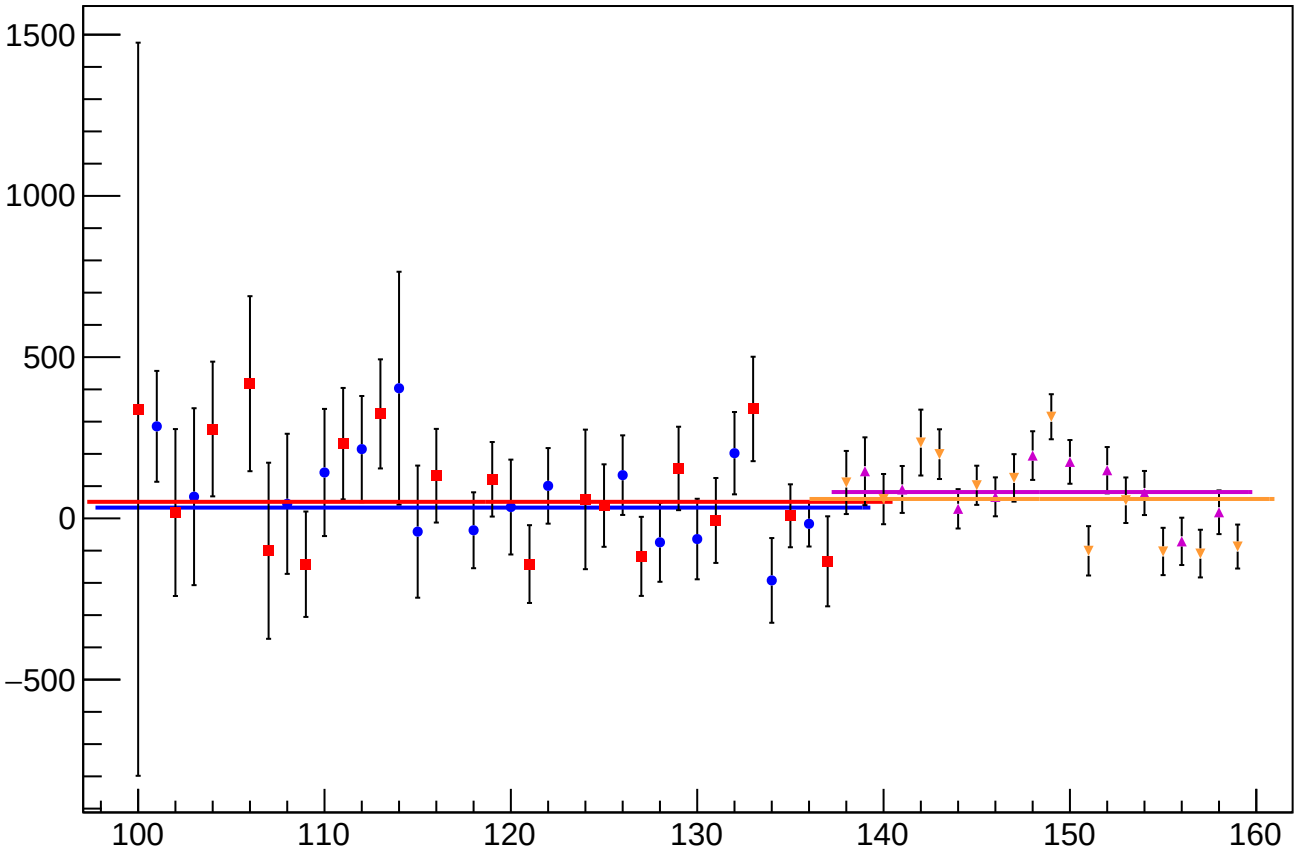
Left: 0.000+/-0.000 χ^2/NDF: 2982238.7/21

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7879132.6/25

Out: 0.000+/-0.000 χ^2/NDF:7136242.8/30

All: 0.000+/-0.000 χ^2/NDF: 15094562.6/56



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 60.186+/-21.568 χ^2/NDF:40.3/11

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 81.670+/-22.211 χ^2/NDF:11.4/9

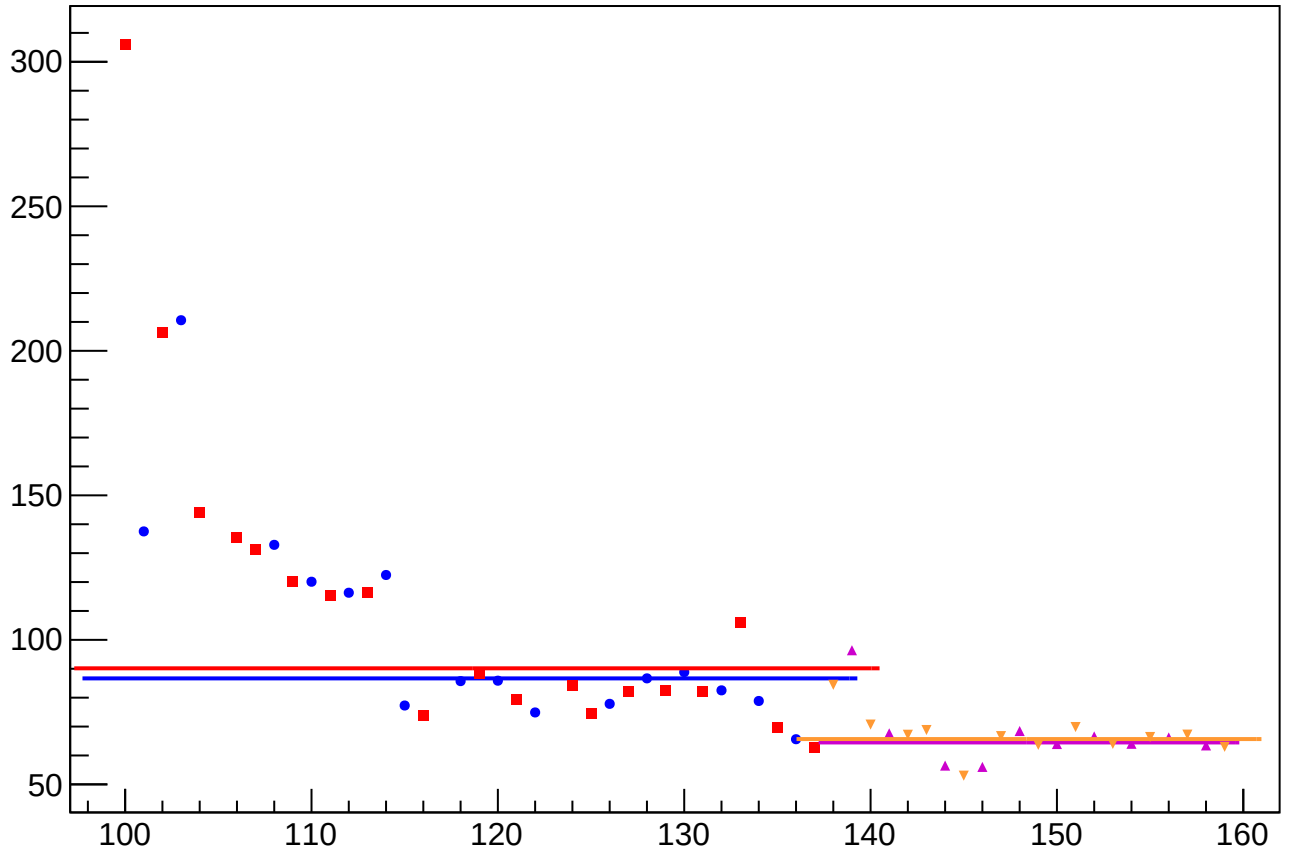
Left: 70.612+/-15.473 χ^2/NDF: 52.2/21

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 67.170+/-18.575 χ^2/NDF:25.7/25

Out: 57.735+/-18.340 χ^2/NDF:59.9/30

All: 62.392+/-13.051 χ^2/NDF: 85.7/56



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.676+/-0.015 χ^2/NDF:185847.0/11

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

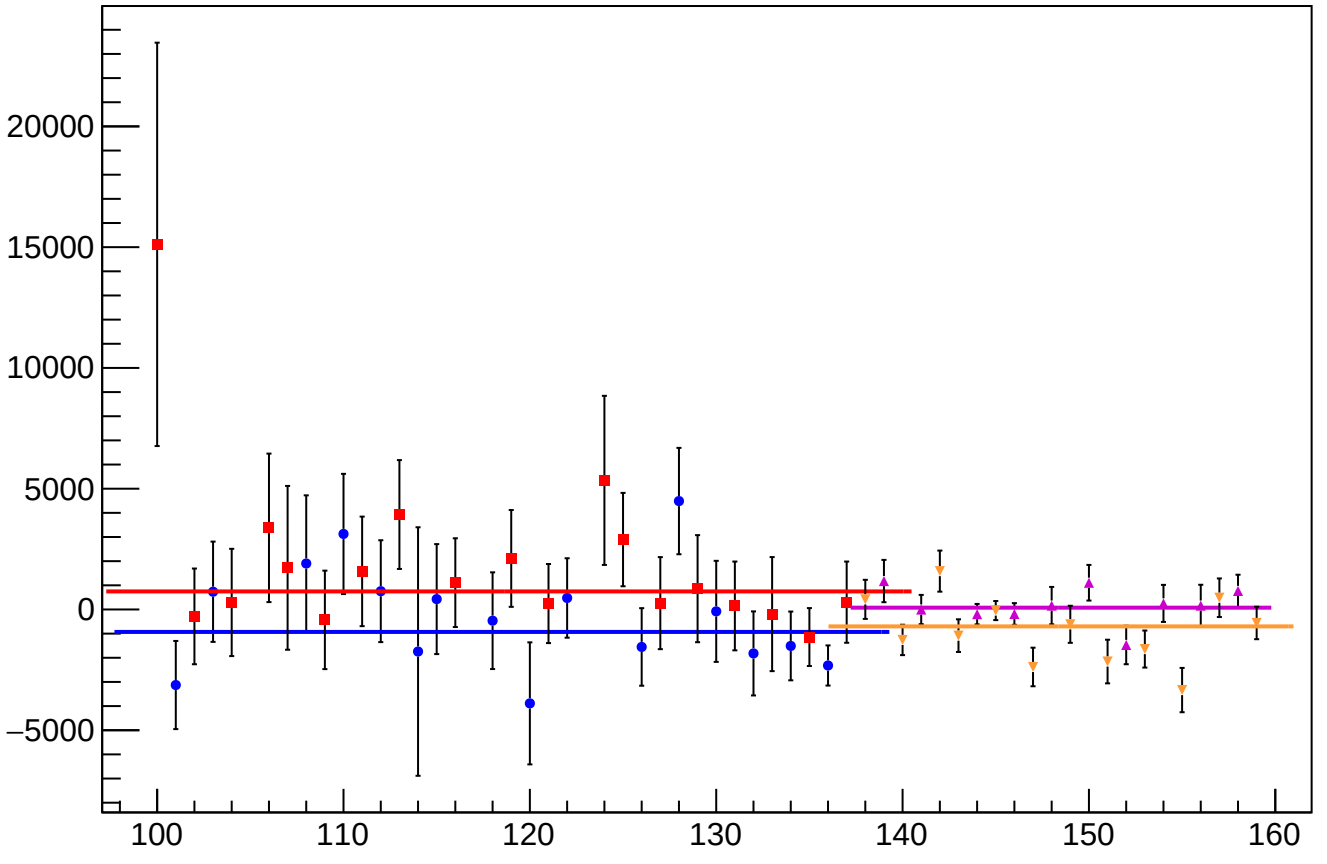
Left: 65.107+/-0.011 χ^2/NDF: 459558.2/21

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 71.166+/-0.013 χ^2/NDF:1908163.1/25

Out: 72.455+/-0.013 χ^2/NDF:2049147.2/30

All: 71.818+/-0.009 χ^2/NDF: 3962184.6/56



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -700.534+/-199.201 χ^2/NDF:32.1/11

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 74.449+/-200.282 χ^2/NDF:9.2/9

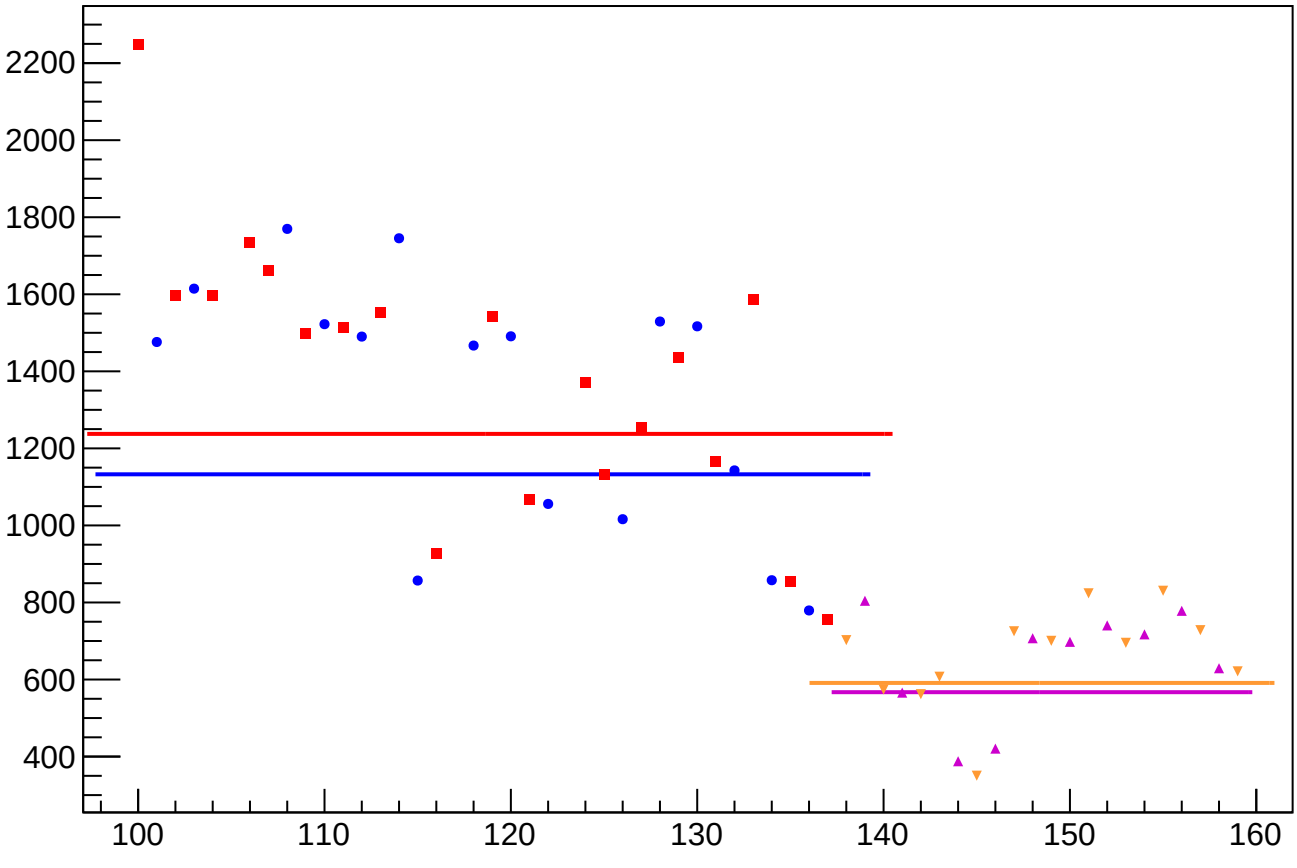
Left: -315.140+/-141.237 χ^2/NDF: 48.8/21

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -97.339+/-182.349 χ^2/NDF:32.0/25

Out: -478.398+/-183.282 χ^2/NDF:53.2/30

All: -286.896+/-129.269 χ^2/NDF: 87.3/56



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 591.185+/-0.141 χ^2/NDF:1251893.8/11

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 567.143+/-0.142 χ^2/NDF:1155802.9/9

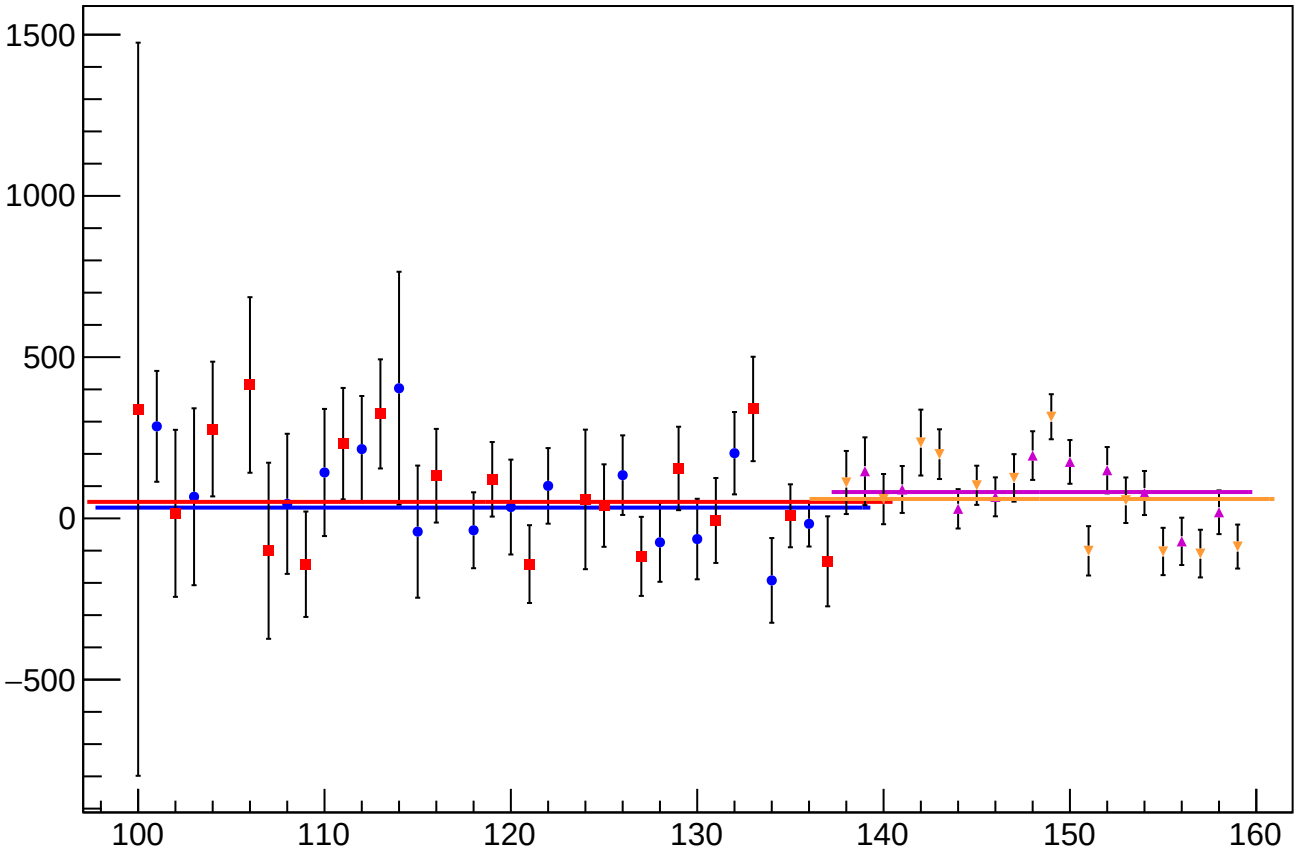
Left: 579.229+/-0.100 χ^2/NDF: 2422184.8/21

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 663.884+/-0.129 χ^2/NDF:5007816.7/25

Out: 690.368+/-0.130 χ^2/NDF:5378597.7/30

All: 677.058+/-0.091 χ^2/NDF: 10407401.2/56



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 60.190+/-21.568 χ^2/NDF:40.3/11

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 81.672+/-22.211 χ^2/NDF:11.4/9

Left: 70.616+/-15.473 χ^2/NDF: 52.2/21

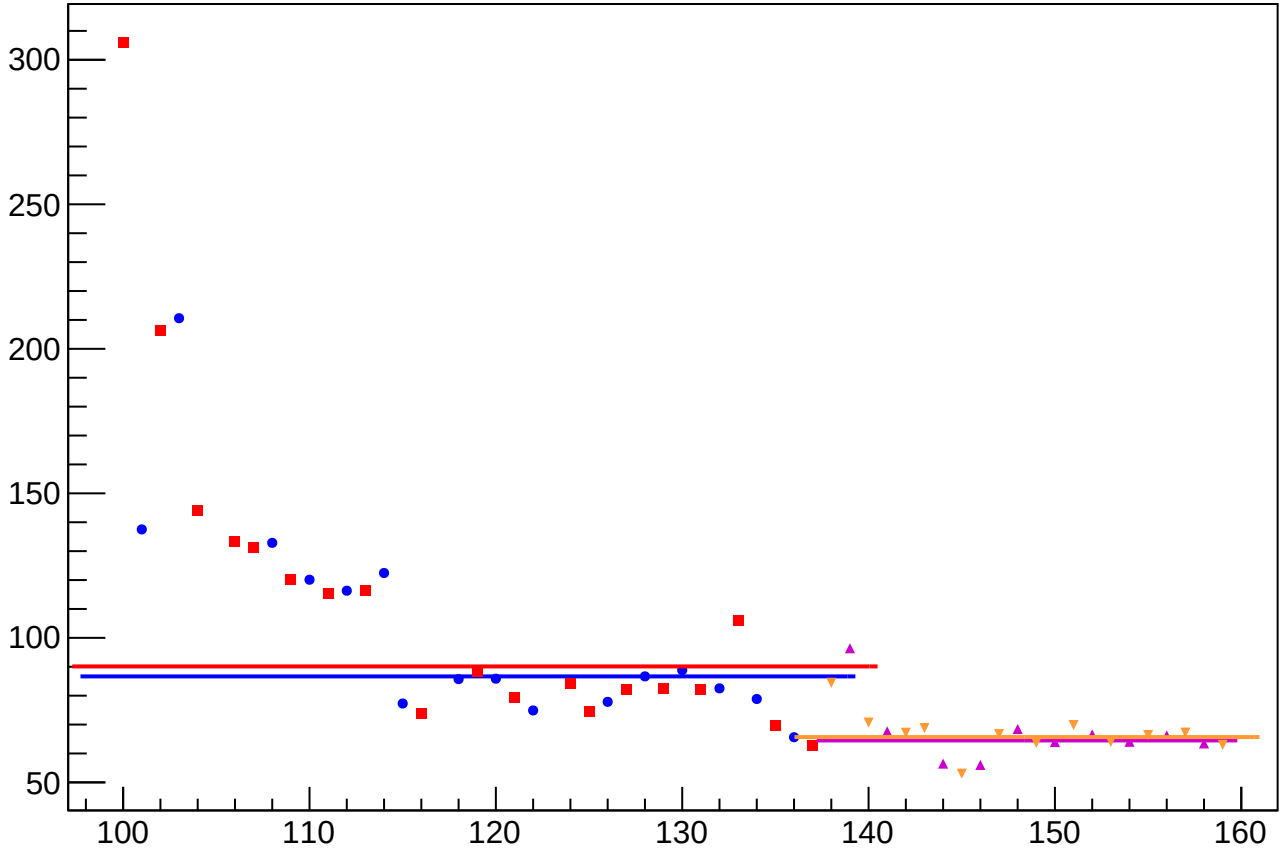
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 67.169+/-18.575 χ^2/NDF:25.6/25

Out: 57.697+/-18.341 χ^2/NDF:59.9/30

All: 62.373+/-13.051 χ^2/NDF: 85.7/56

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.676+/-0.015 χ^2/NDF:185847.0/11

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

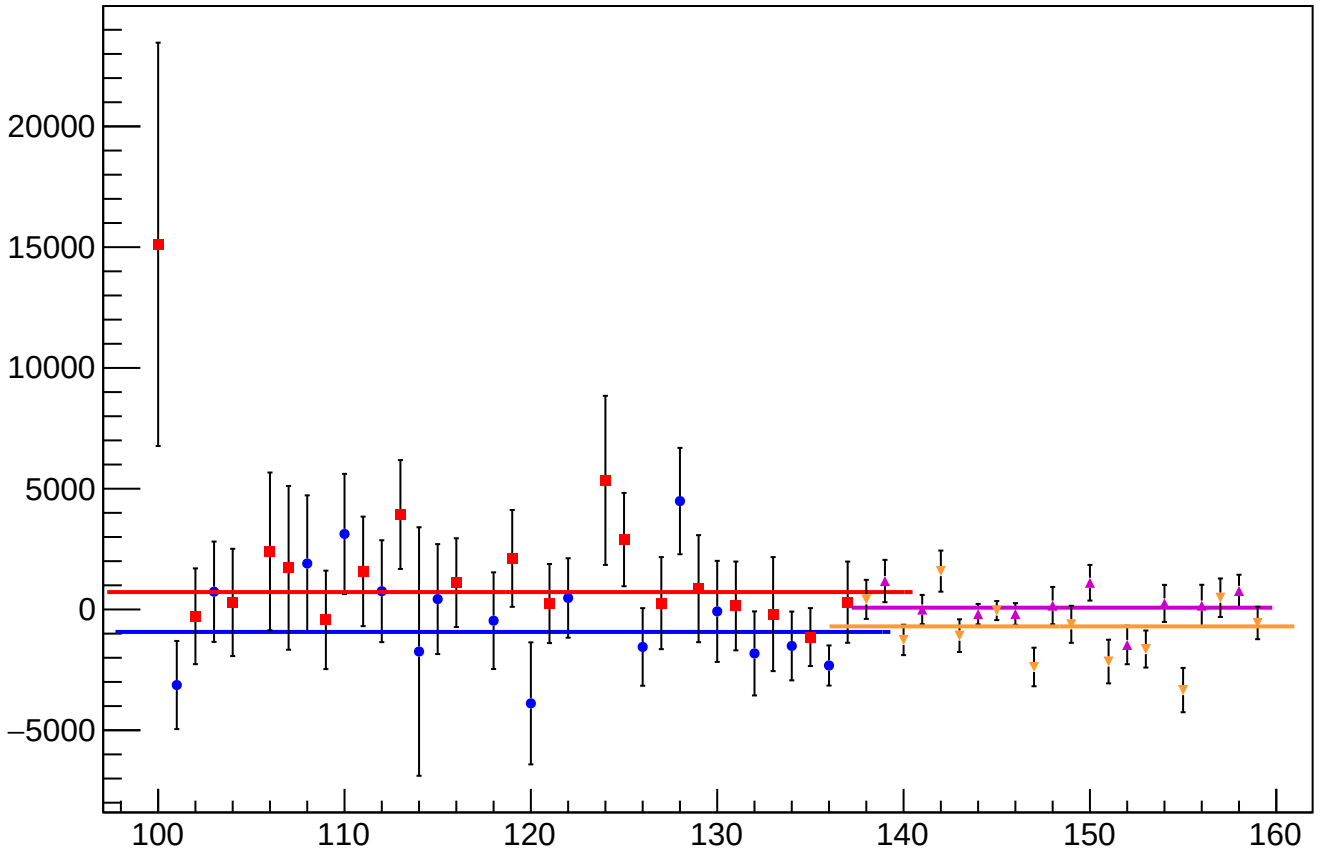
Left: 65.107+/-0.011 χ^2/NDF: 459558.2/21

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 71.166+/-0.013 χ^2/NDF:1908165.6/25

Out: 72.444+/-0.013 χ^2/NDF:2042230.9/30

All: 71.813+/-0.009 χ^2/NDF: 3955188.9/56



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -700.527+/-199.201 χ^2/NDF:32.1/11

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 74.451+/-200.282 χ^2/NDF:9.2/9

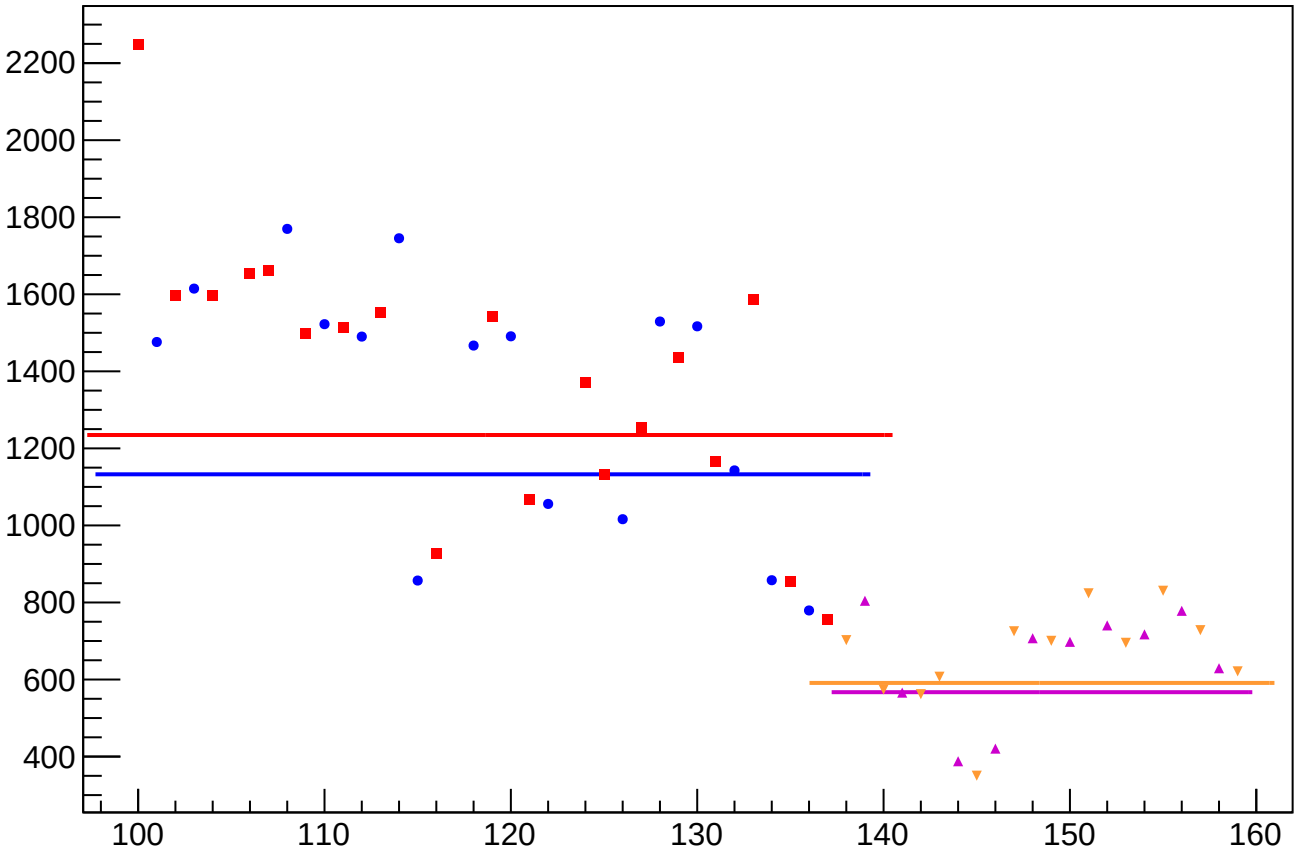
Left: -315.136+/-141.237 χ^2/NDF: 48.8/21

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -97.331+/-182.349 χ^2/NDF:32.0/25

Out: -482.976+/-183.321 χ^2/NDF:52.4/30

All: -289.129+/-129.283 χ^2/NDF: 86.6/56



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.185+/-0.141 χ^2/NDF:1251896.8/11

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

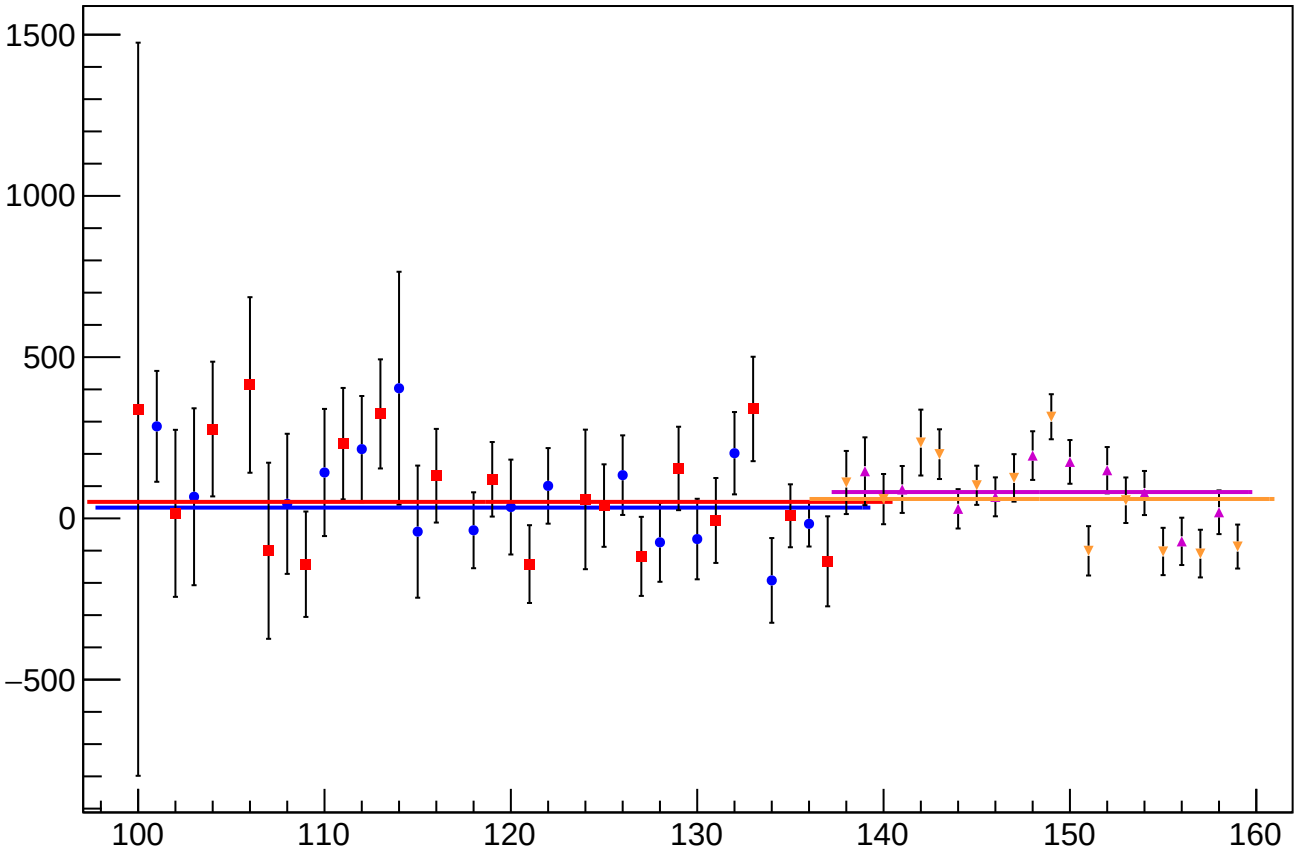
Left: 579.229+/-0.100 χ^2/NDF: 2422188.0/21

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 663.883+/-0.129 χ^2/NDF:5007853.5/25

Out: 689.698+/-0.130 χ^2/NDF:5323431.7/30

All: 676.722+/-0.091 χ^2/NDF: 10351219.9/56



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 60.190+/-21.568 χ^2/NDF:40.3/11

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 81.672+/-22.211 χ^2/NDF:11.4/9

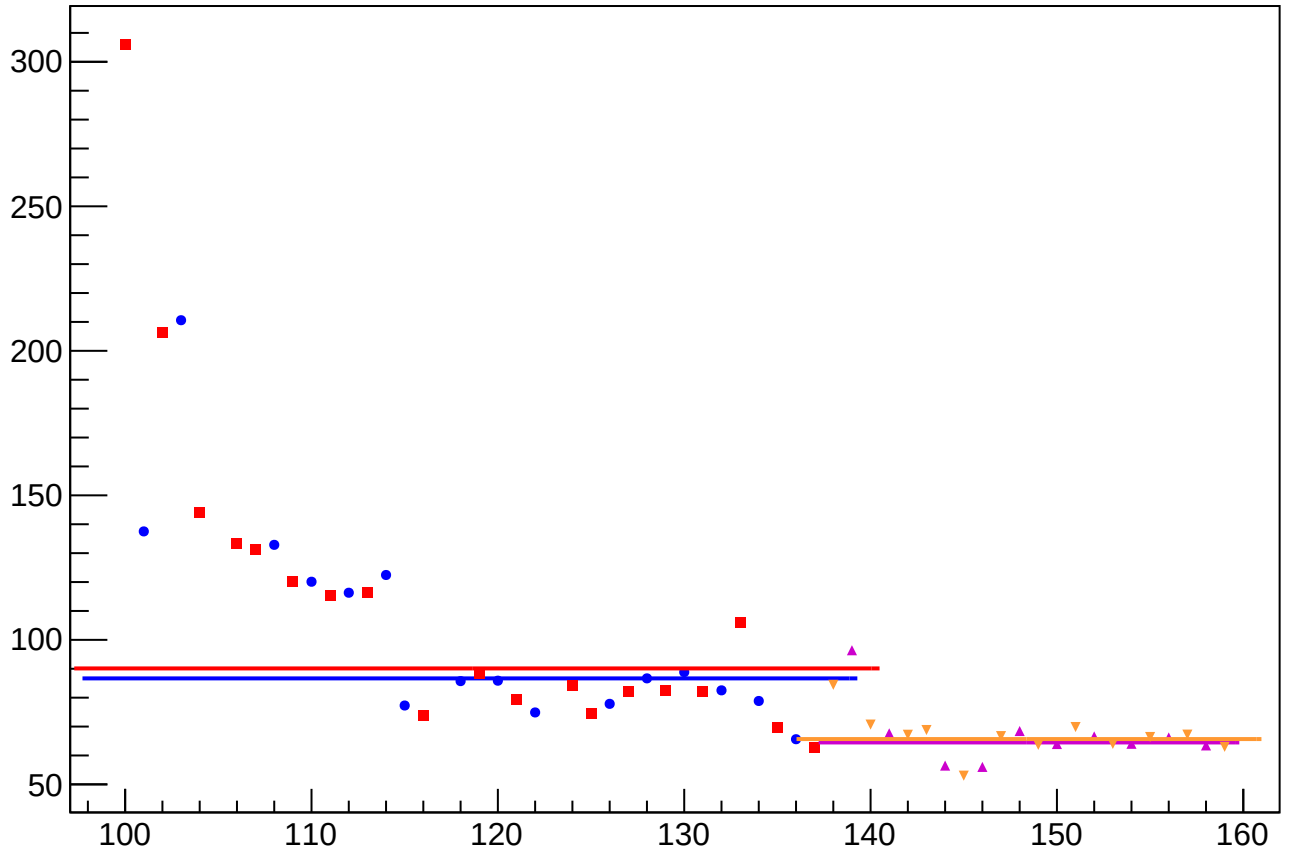
Left: 70.616+/-15.473 χ^2/NDF: 52.2/21

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 67.169+/-18.575 χ^2/NDF:25.6/25

Out: 57.697+/-18.341 χ^2/NDF:59.9/30

All: 62.373+/-13.051 χ^2/NDF: 85.7/56



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.676+/-0.015 χ^2/NDF:185847.0/11

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

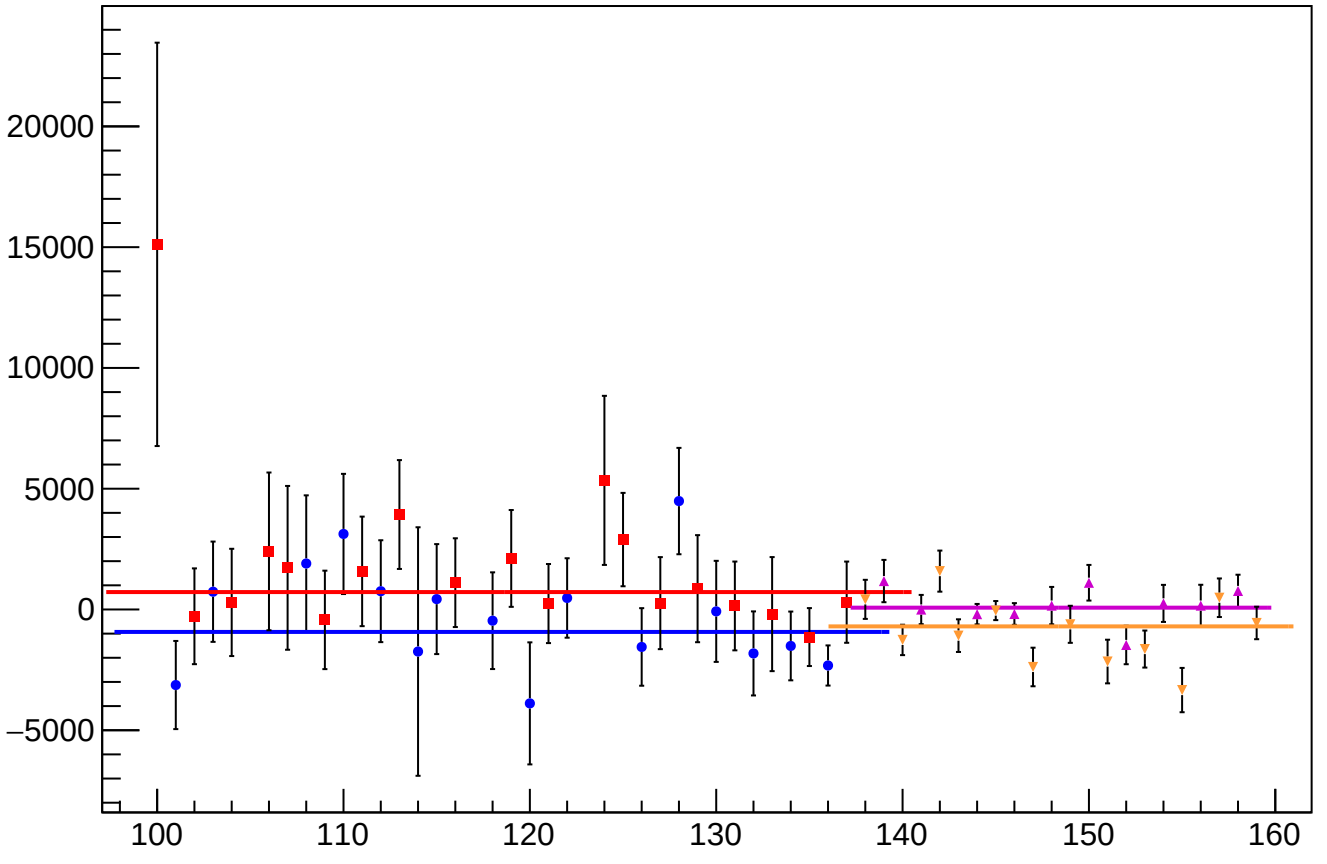
Left: 65.107+/-0.011 χ^2/NDF: 459558.2/21

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 71.166+/-0.013 χ^2/NDF:1908165.6/25

Out: 72.444+/-0.013 χ^2/NDF:2042230.9/30

All: 71.813+/-0.009 χ^2/NDF: 3955188.9/56



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -700.527+/-199.201 χ^2/NDF:32.1/11

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 74.451+/-200.282 χ^2/NDF:9.2/9

Left: -315.136+/-141.237 χ^2/NDF: 48.8/21

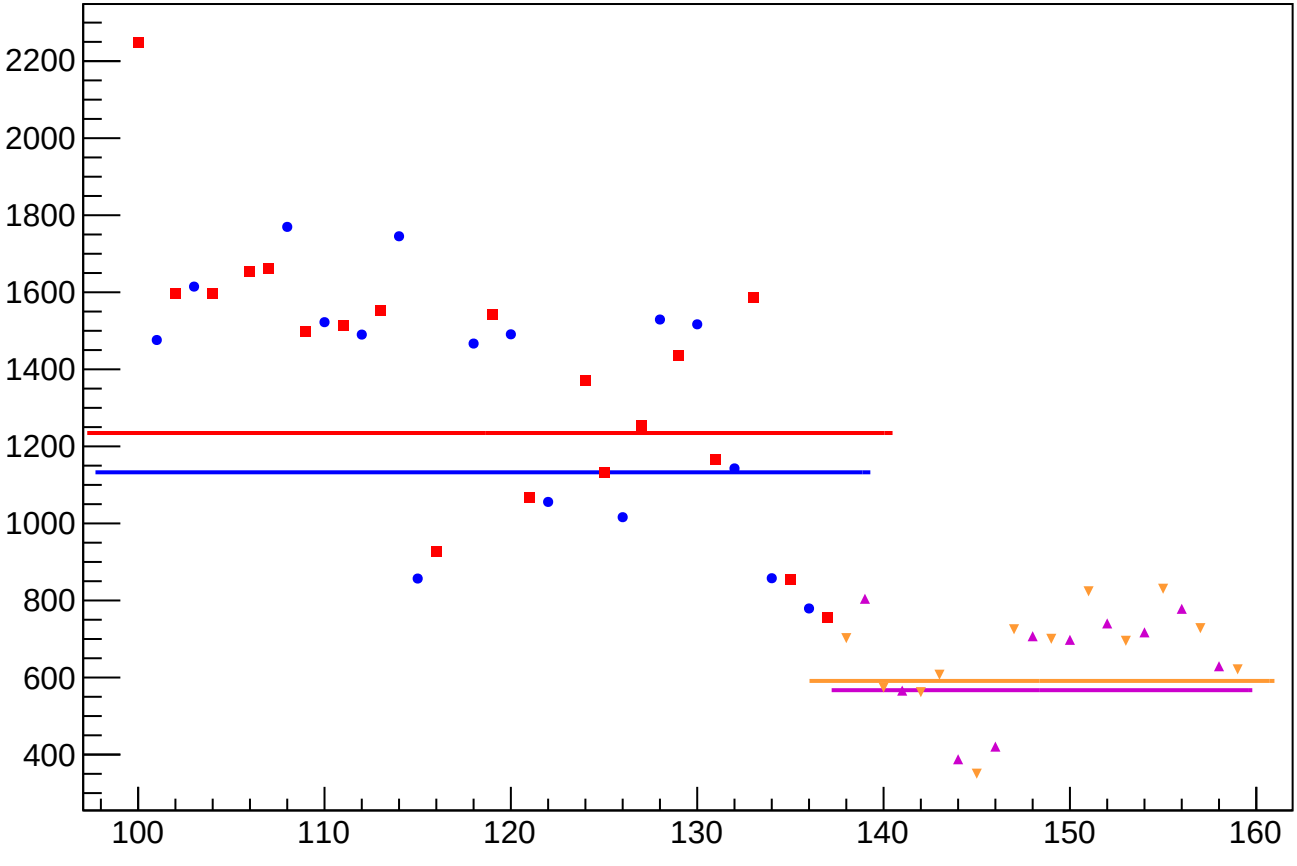
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -97.331+/-182.349 χ^2/NDF:32.0/25

Out: -482.976+/-183.321 χ^2/NDF:52.4/30

All: -289.129+/-129.283 χ^2/NDF: 86.6/56

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.185+/-0.141 χ^2/NDF:1251896.8/11

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

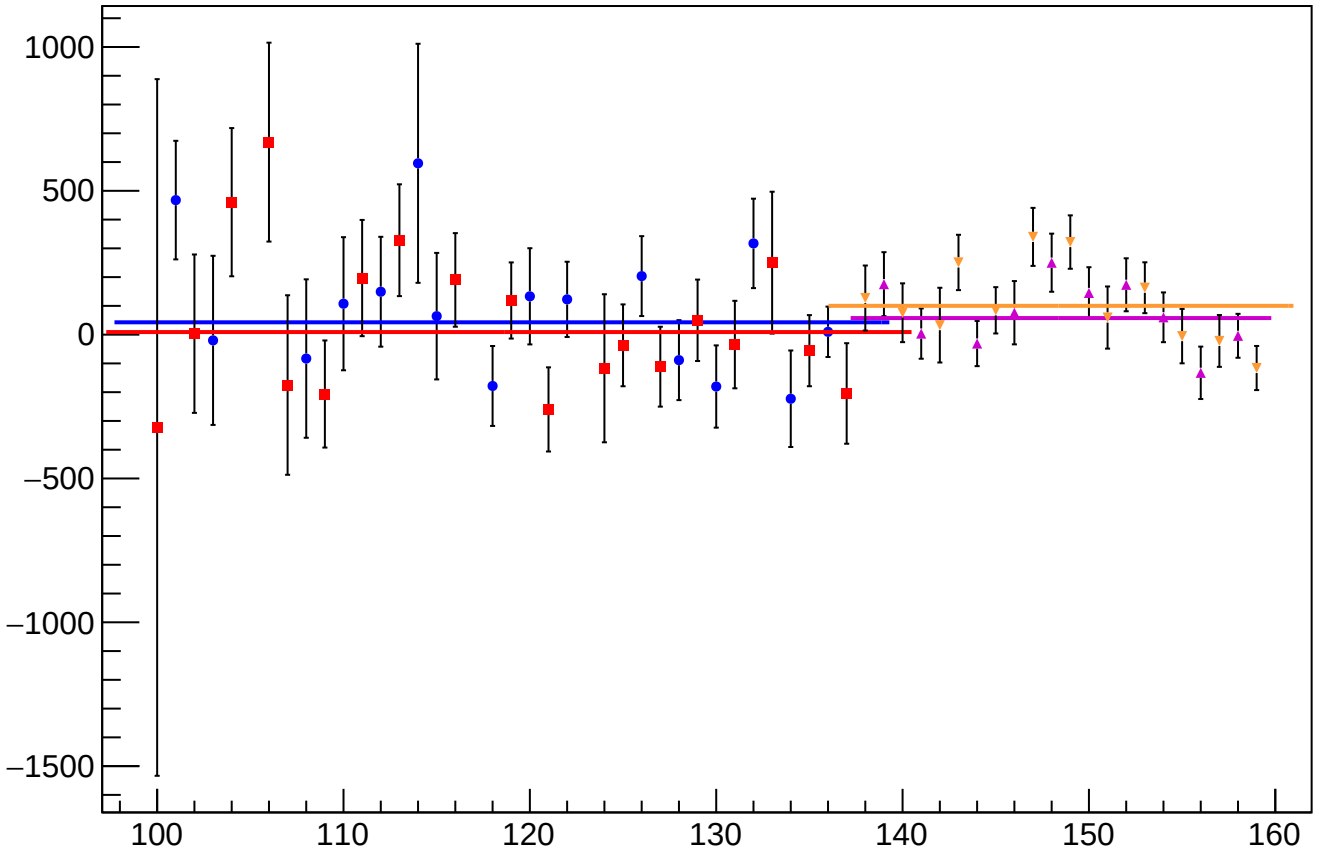
Left: 579.229+/-0.100 χ^2/NDF: 2422188.0/21

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 663.883+/-0.129 χ^2/NDF:5007853.5/25

Out: 689.698+/-0.130 χ^2/NDF:5323431.7/30

All: 676.722+/-0.091 χ^2/NDF: 10351219.9/56



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 100.175+/-27.430 χ^2/NDF:25.9/11

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 57.642+/-28.594 χ^2/NDF:14.0/9

Left: 79.792+/-19.795 χ^2/NDF: 41.1/21

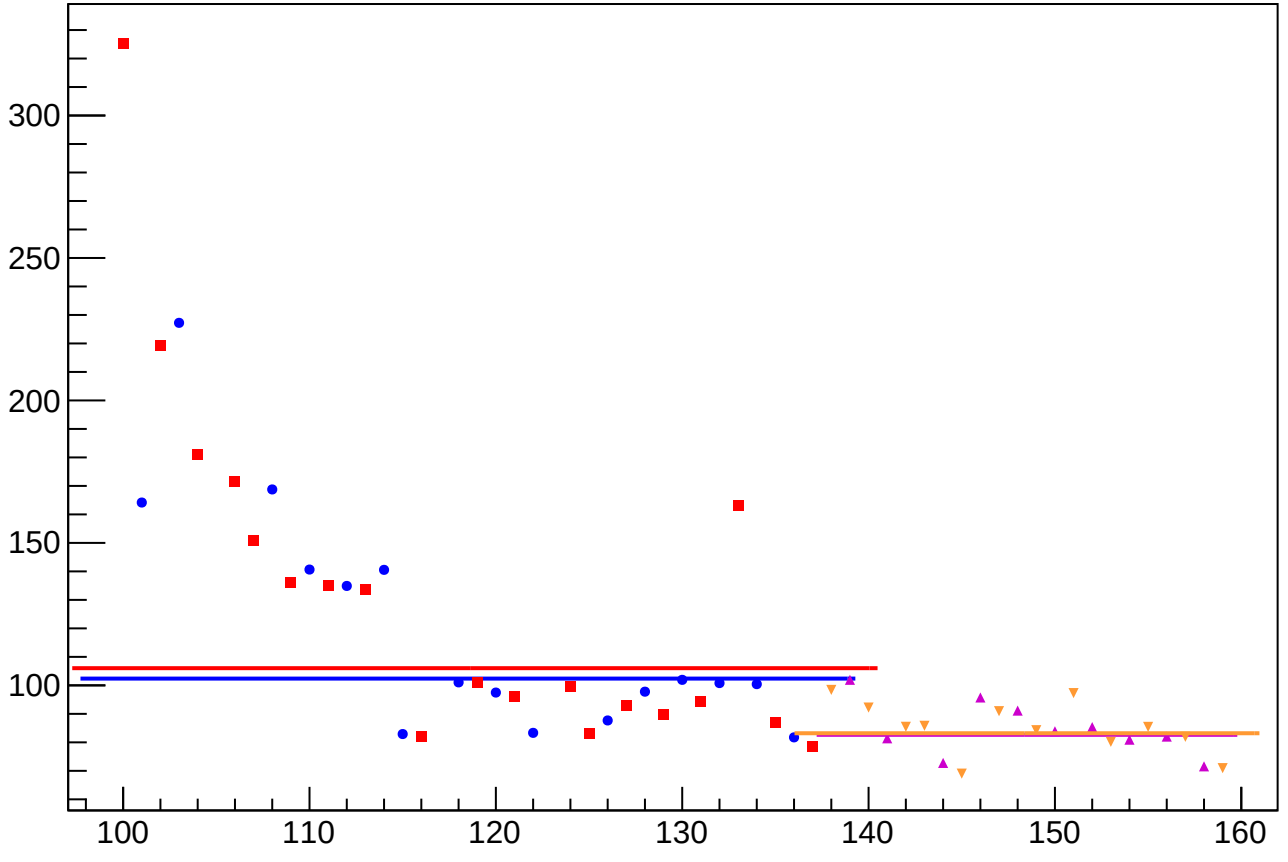
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 52.653+/-23.252 χ^2/NDF:34.4/25

Out: 72.037+/-22.808 χ^2/NDF:50.7/30

All: 62.531+/-16.282 χ^2/NDF: 85.4/56

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 83.196+/-0.019 χ^2/NDF:216960.0/11

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.642+/-0.020 χ^2/NDF:179789.8/9

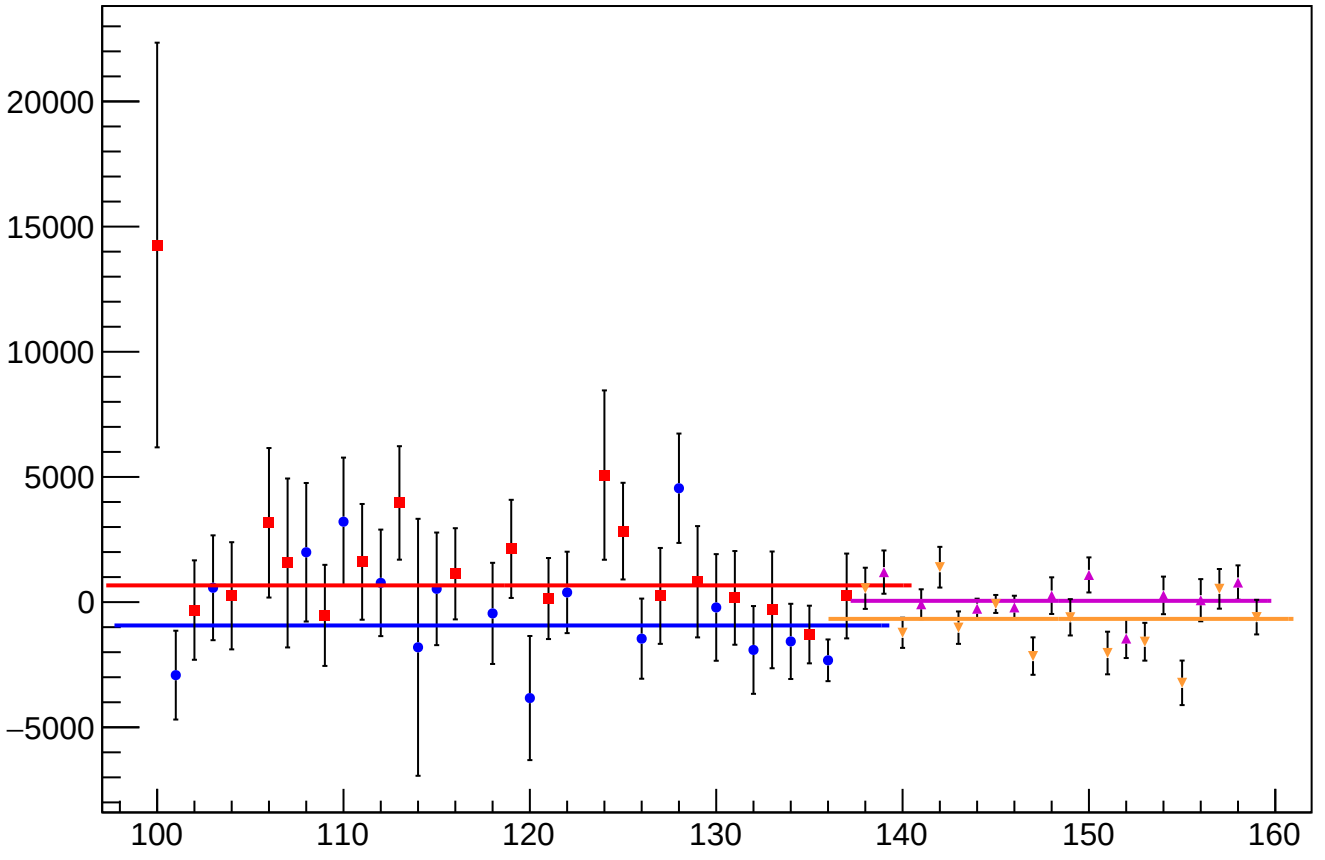
Left: 82.931+/-0.014 χ^2/NDF: 397140.1/21

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 89.329+/-0.016 χ^2/NDF:1484880.4/25

Out: 90.243+/-0.016 χ^2/NDF:1836014.9/30

All: 89.794+/-0.012 χ^2/NDF: 3322470.6/56



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -669.544+/-190.171 χ^2/NDF:31.1/11

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 51.376+/-196.529 χ^2/NDF:10.0/9

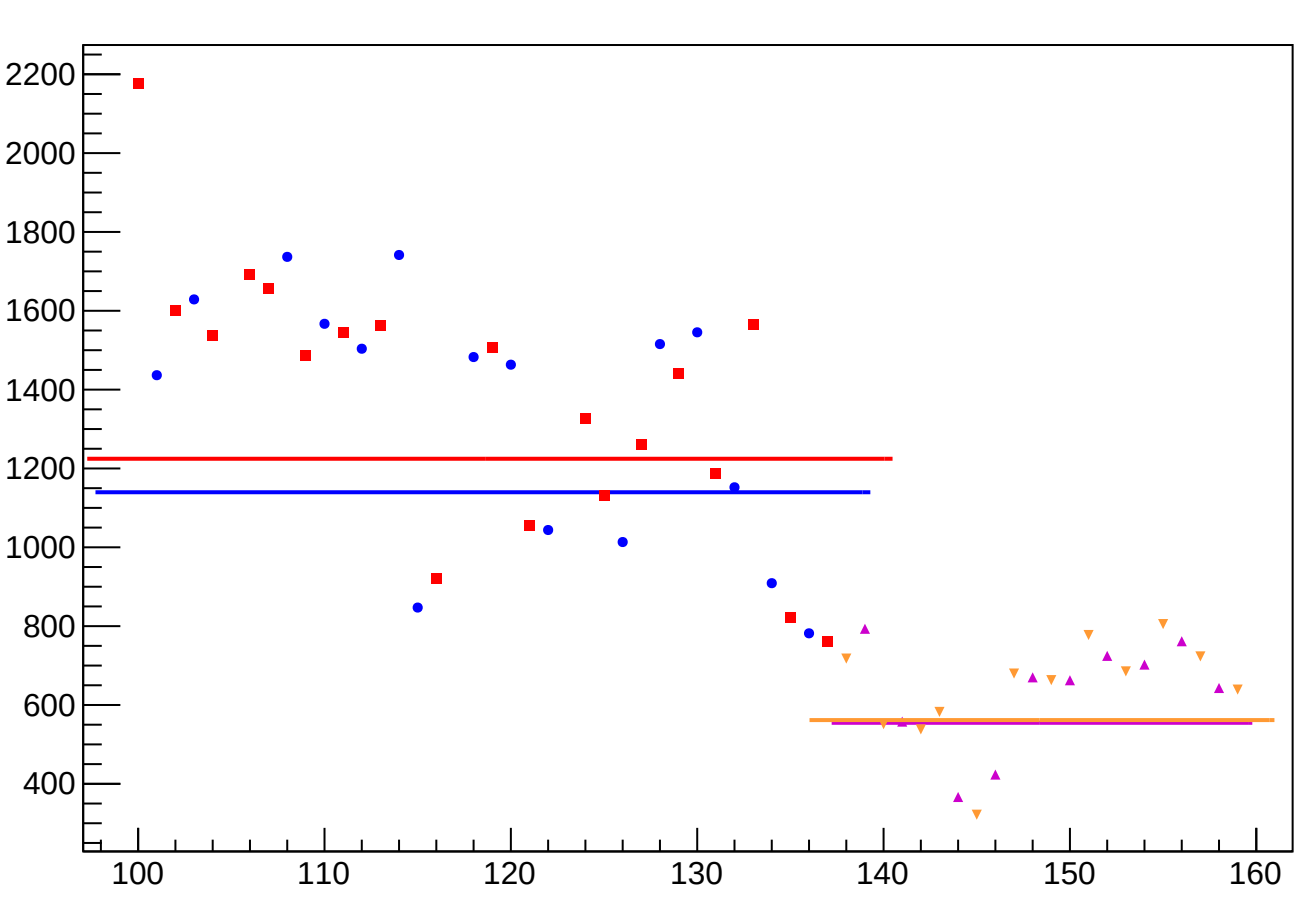
Left: -320.934+/-136.663 χ^2/NDF: 48.0/21

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -110.566+/-179.626 χ^2/NDF:32.6/25

Out: -476.544+/-175.922 χ^2/NDF:51.7/30

All: -297.368+/-125.685 χ^2/NDF: 86.4/56



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 561.698+/-0.134 χ^2/NDF:1498757.3/11

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 554.813+/-0.139 χ^2/NDF:1177788.1/9

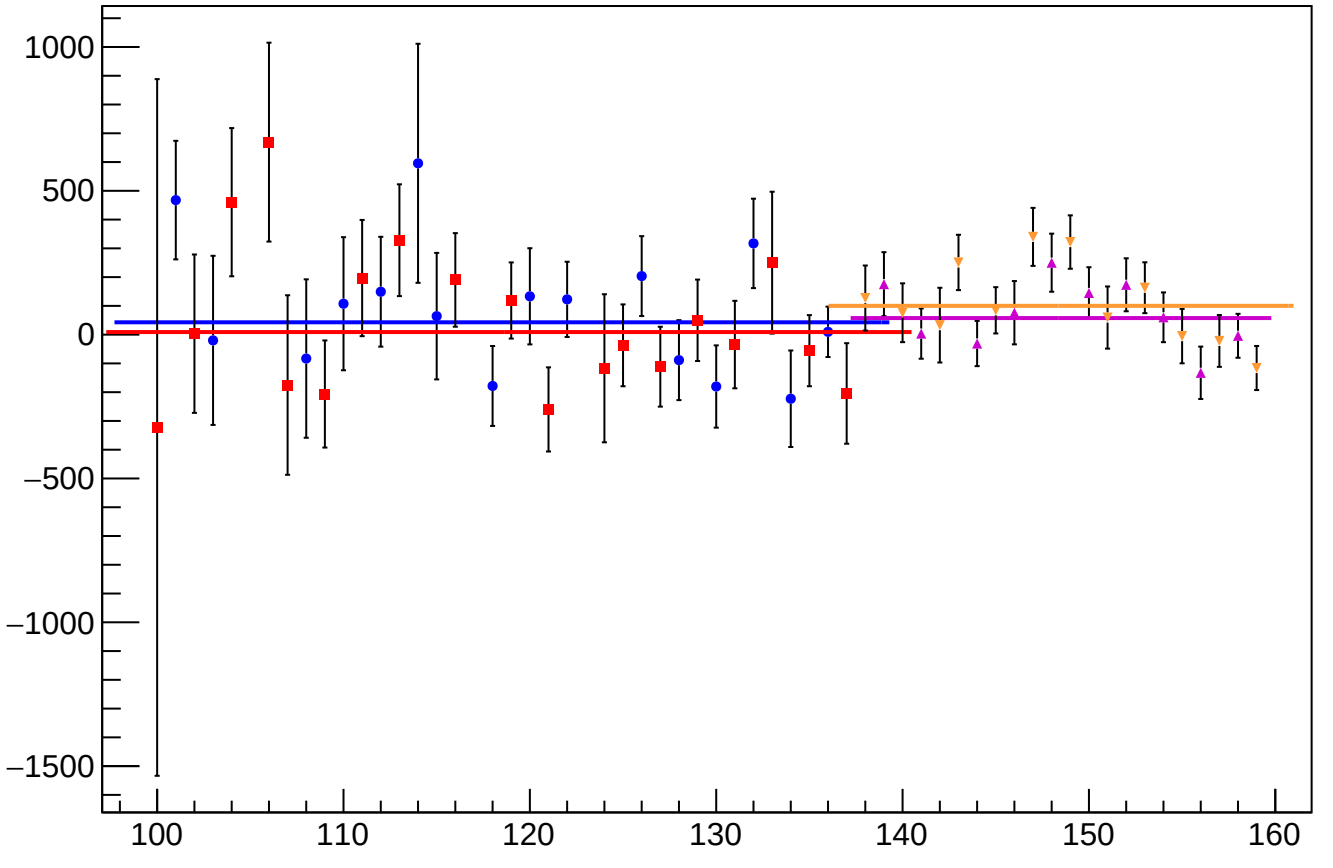
Left: 558.369+/-0.097 χ^2/NDF: 2677813.1/21

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 651.088+/-0.127 χ^2/NDF:5186810.3/25

Out: 657.319+/-0.124 χ^2/NDF:5926797.4/30

All: 654.268+/-0.089 χ^2/NDF: 11114836.1/56



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 100.176+/-27.430 χ^2/NDF:25.9/11

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 57.641+/-28.594 χ^2/NDF:14.0/9

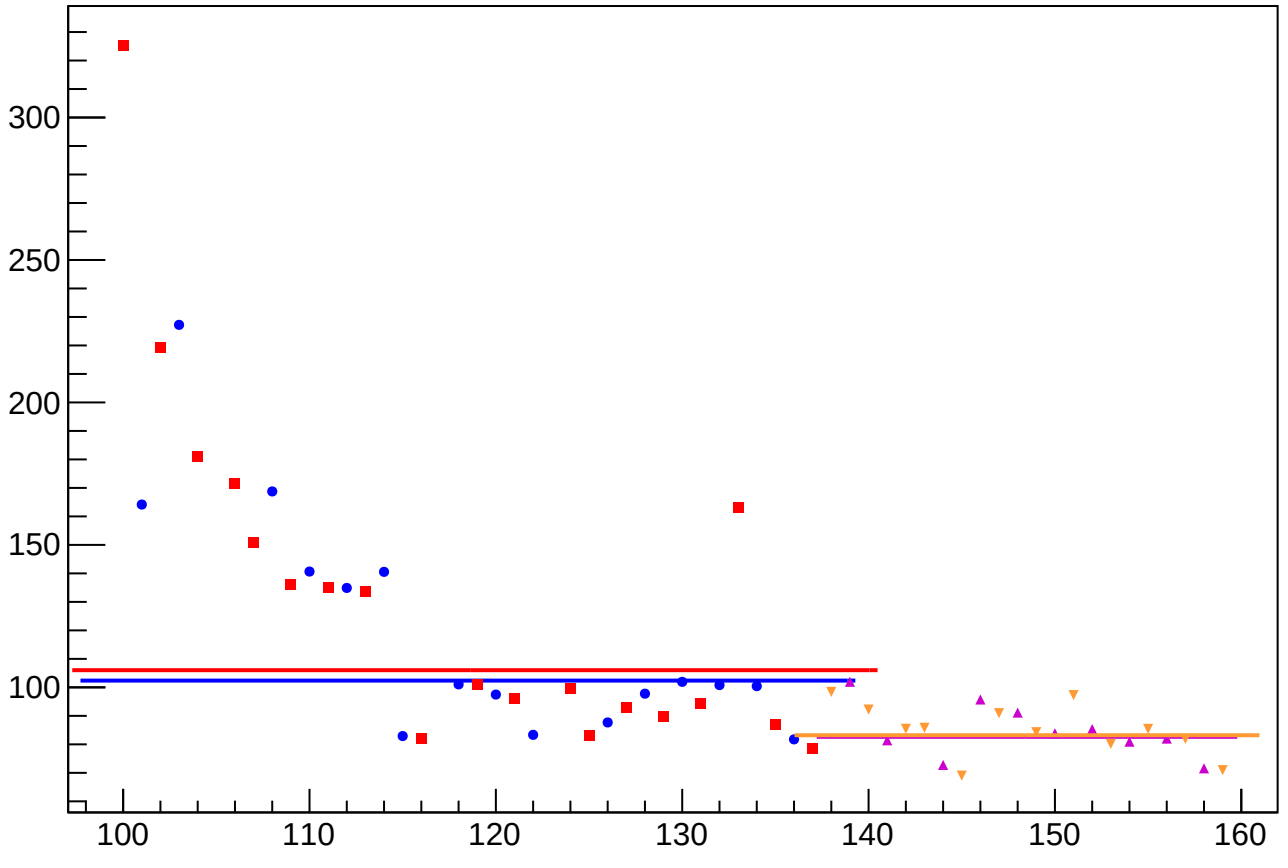
Left: 79.792+/-19.795 χ^2/NDF: 41.0/21

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 52.652+/-23.252 χ^2/NDF:34.4/25

Out: 72.037+/-22.808 χ^2/NDF:50.7/30

All: 62.531+/-16.282 χ^2/NDF: 85.4/56



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 83.196+/-0.019 χ^2/NDF:216957.2/11

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.643+/-0.020 χ^2/NDF:179793.2/9

Left: 82.931+/-0.014 χ^2/NDF: 397140.9/21

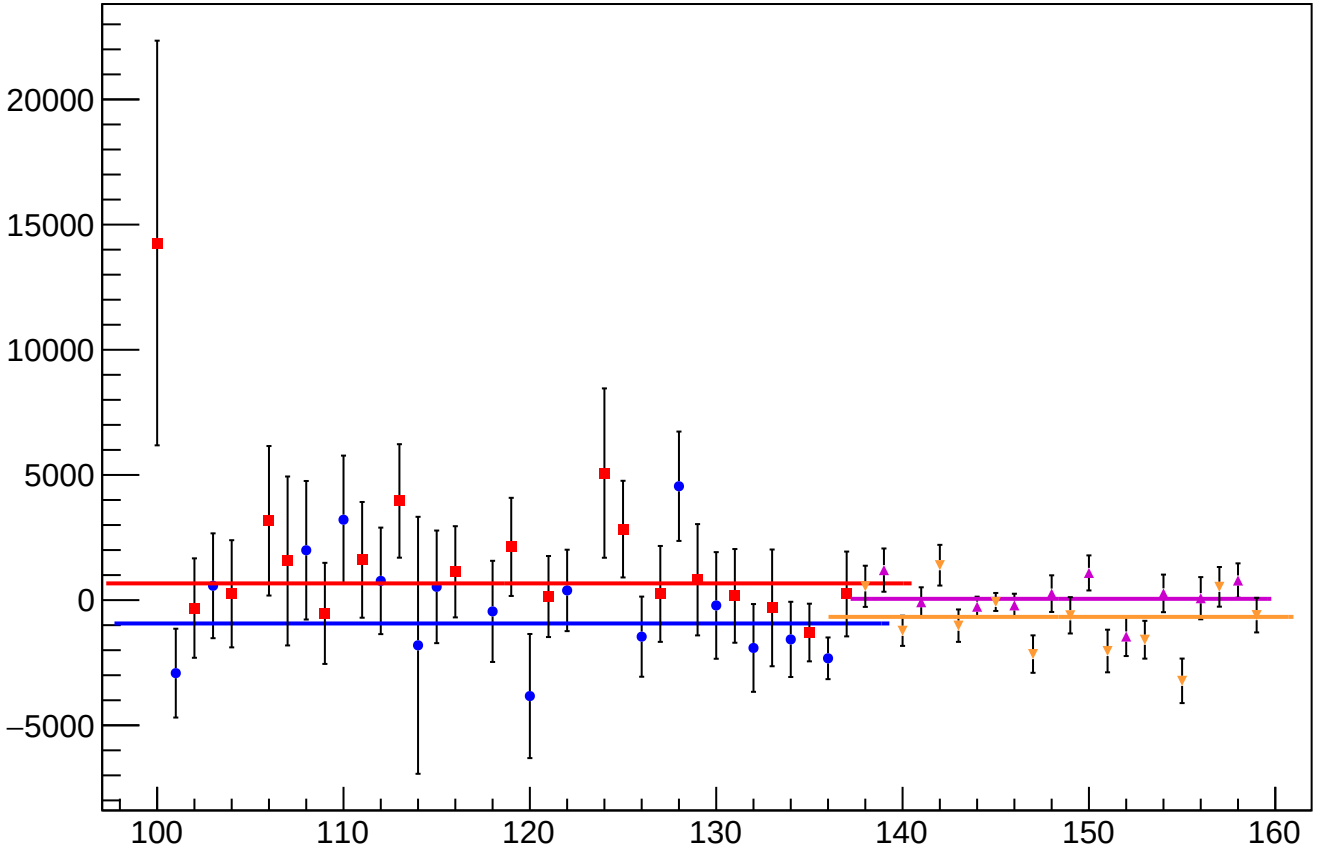
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 89.329+/-0.016 χ^2/NDF:1484863.5/25

Out: 90.243+/-0.016 χ^2/NDF:1835998.6/30

All: 89.795+/-0.012 χ^2/NDF: 3322437.8/56

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: -669.543+/-190.170 χ^2/NDF:31.1/11

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 51.376+/-196.529 χ^2/NDF:10.0/9

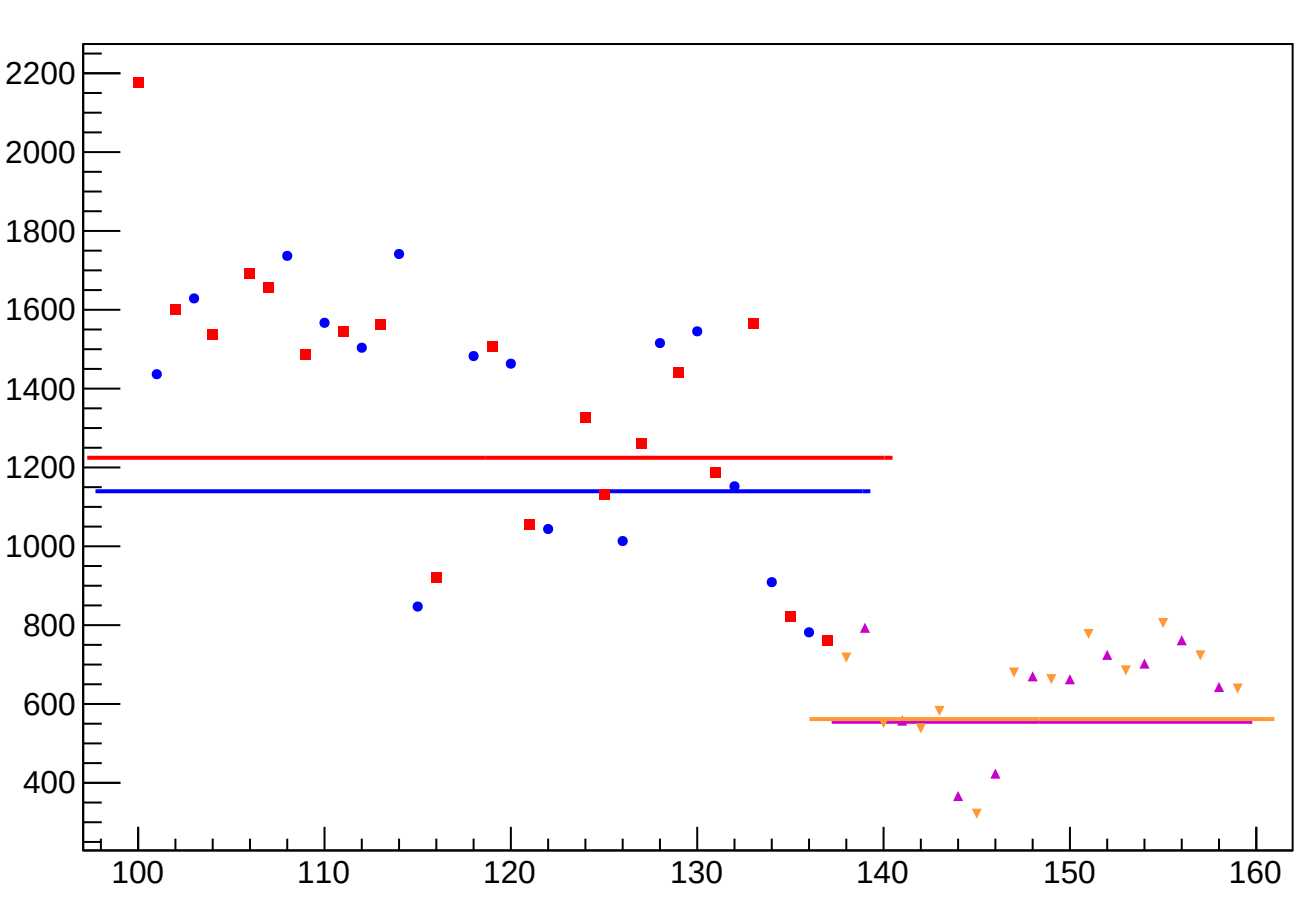
Left: -320.934+/-136.663 χ^2/NDF: 48.0/21

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -110.566+/-179.626 χ^2/NDF:32.6/25

Out: -476.543+/-175.922 χ^2/NDF:51.7/30

All: -297.367+/-125.685 χ^2/NDF: 86.4/56



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 561.697+/-0.134 χ^2/NDF:1498776.4/11

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 554.812+/-0.139 χ^2/NDF:1177793.8/9

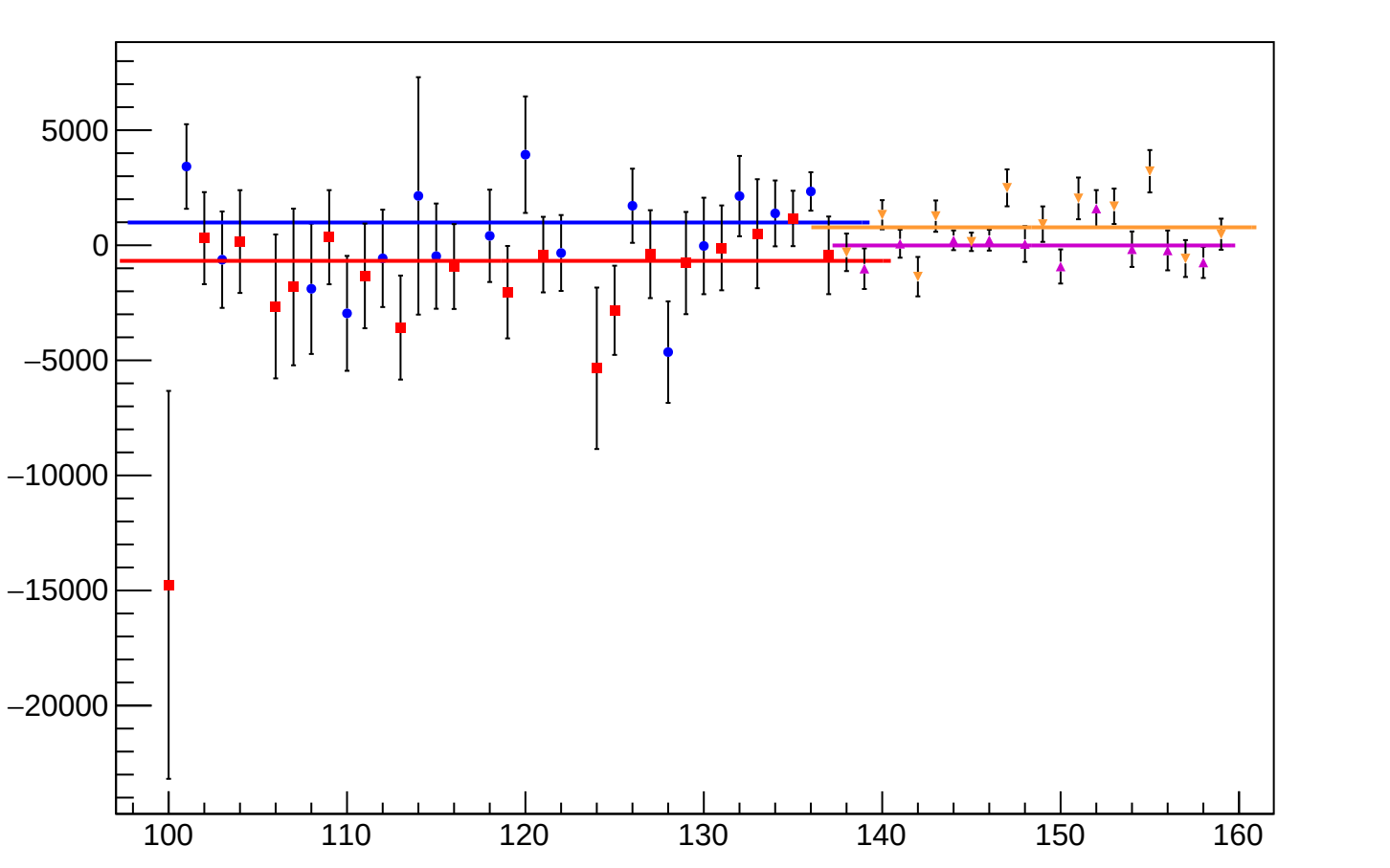
Left: 558.368+/-0.097 χ^2/NDF: 2677837.8/21

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 651.087+/-0.127 χ^2/NDF:5186807.4/25

Out: 657.318+/-0.124 χ^2/NDF:5926814.4/30

All: 654.267+/-0.089 χ^2/NDF: 11114850.0/56



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 779.323+/-200.669 χ^2/NDF:29.8/11

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -7.951+/-201.843 χ^2/NDF:8.7/9

Left: 387.982+/-142.308 χ^2/NDF: 46.1/21

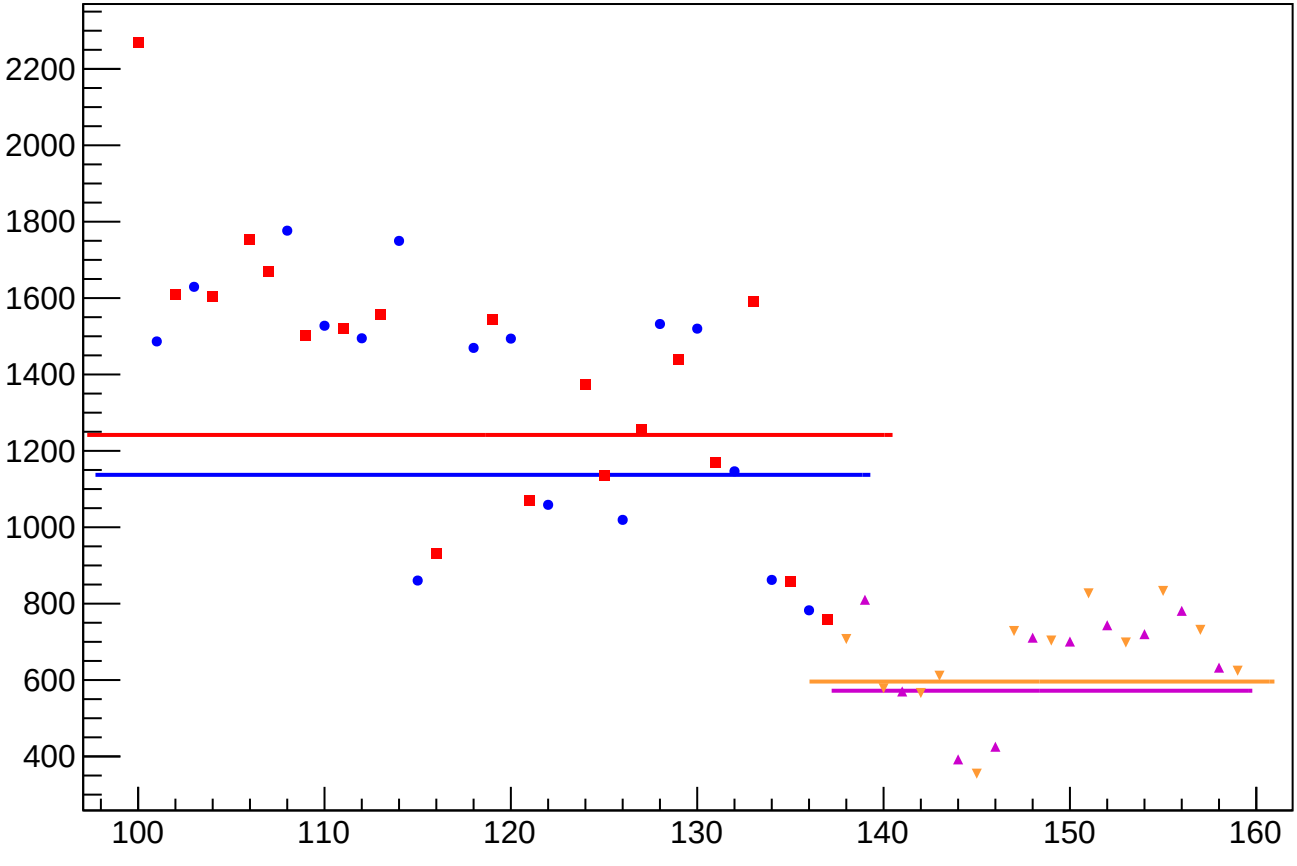
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 163.724+/-183.650 χ^2/NDF:31.9/25

Out: 554.401+/-184.531 χ^2/NDF:49.8/30

All: 358.128+/-130.171 χ^2/NDF: 84.0/56

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 596.040+/-0.142 χ^2/NDF:1221403.7/11

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 572.027+/-0.143 χ^2/NDF:1130538.8/9

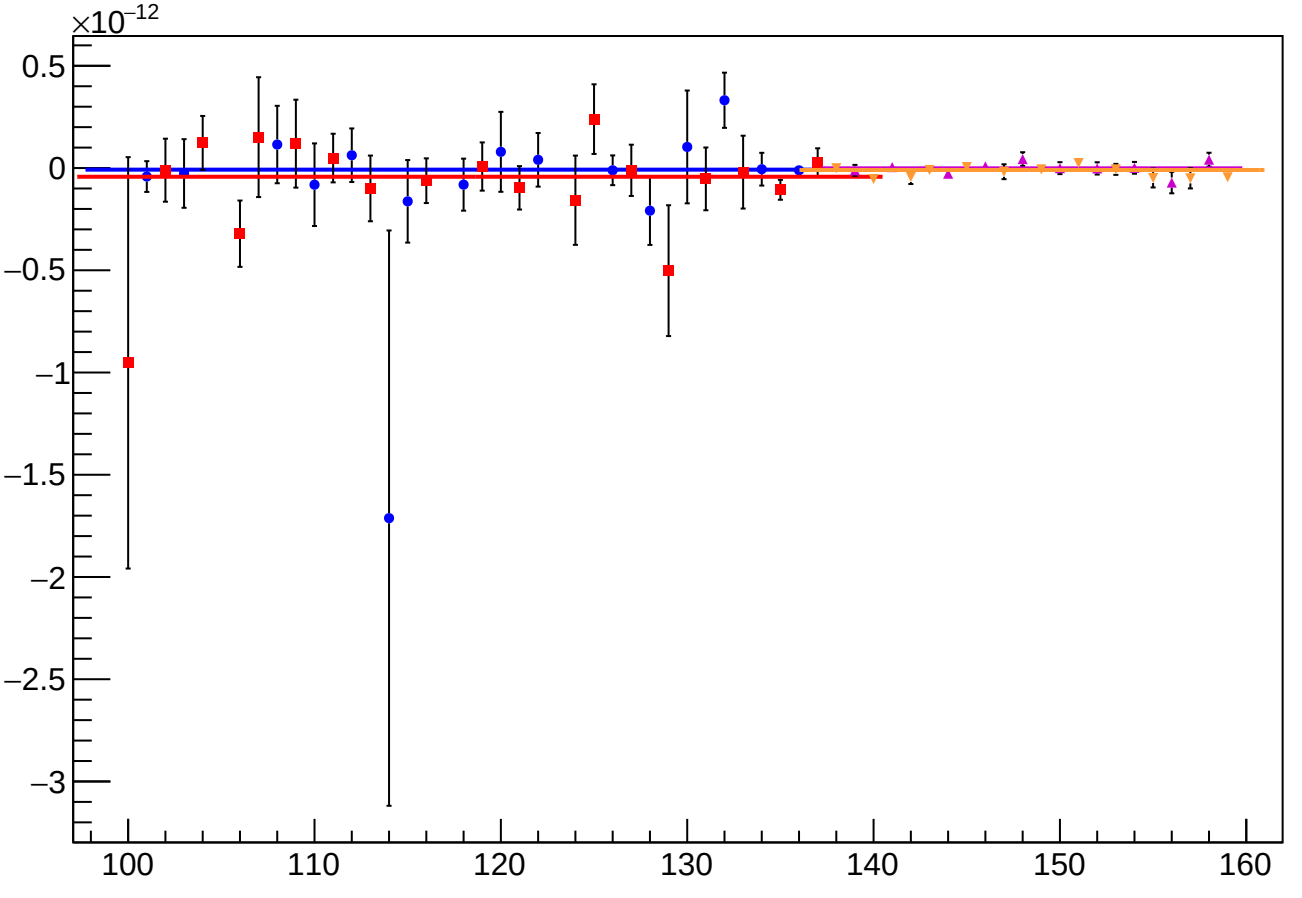
Left: 584.103+/-0.101 χ^2/NDF: 2366178.1/21

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 669.322+/-0.130 χ^2/NDF:4953749.9/25

Out: 695.717+/-0.130 χ^2/NDF:5317321.2/30

All: 682.456+/-0.092 χ^2/NDF: 10291629.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/9

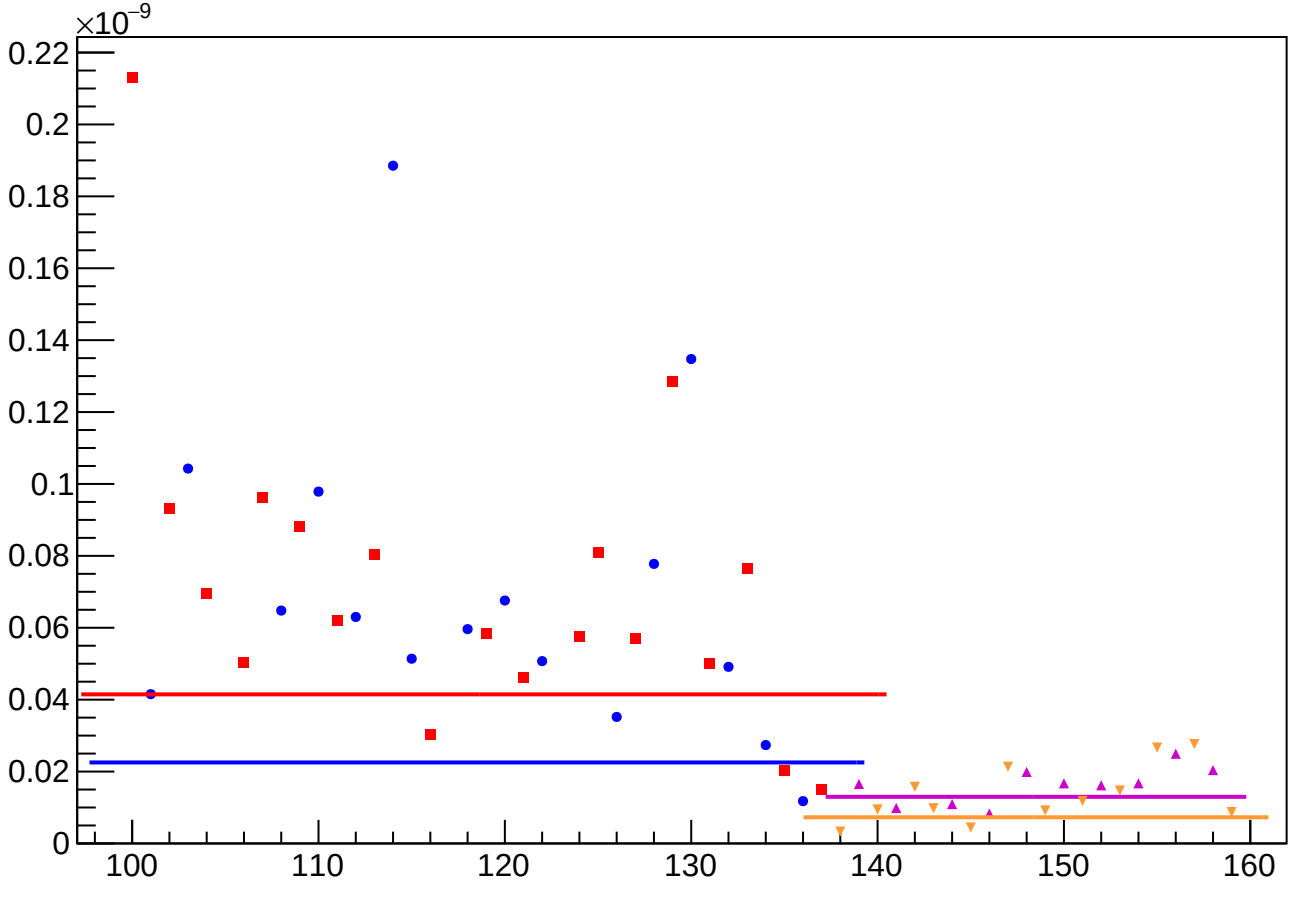
Left: -0.000+/-0.000 χ^2/NDF: 26.7/21

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.1/25

Out: -0.000+/-0.000 χ^2/NDF:34.7/30

All: -0.000+/-0.000 χ^2/NDF: 55.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1945591.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:667582.8/9

Left: 0.000+/-0.000 χ^2/NDF: 3387283.9/21

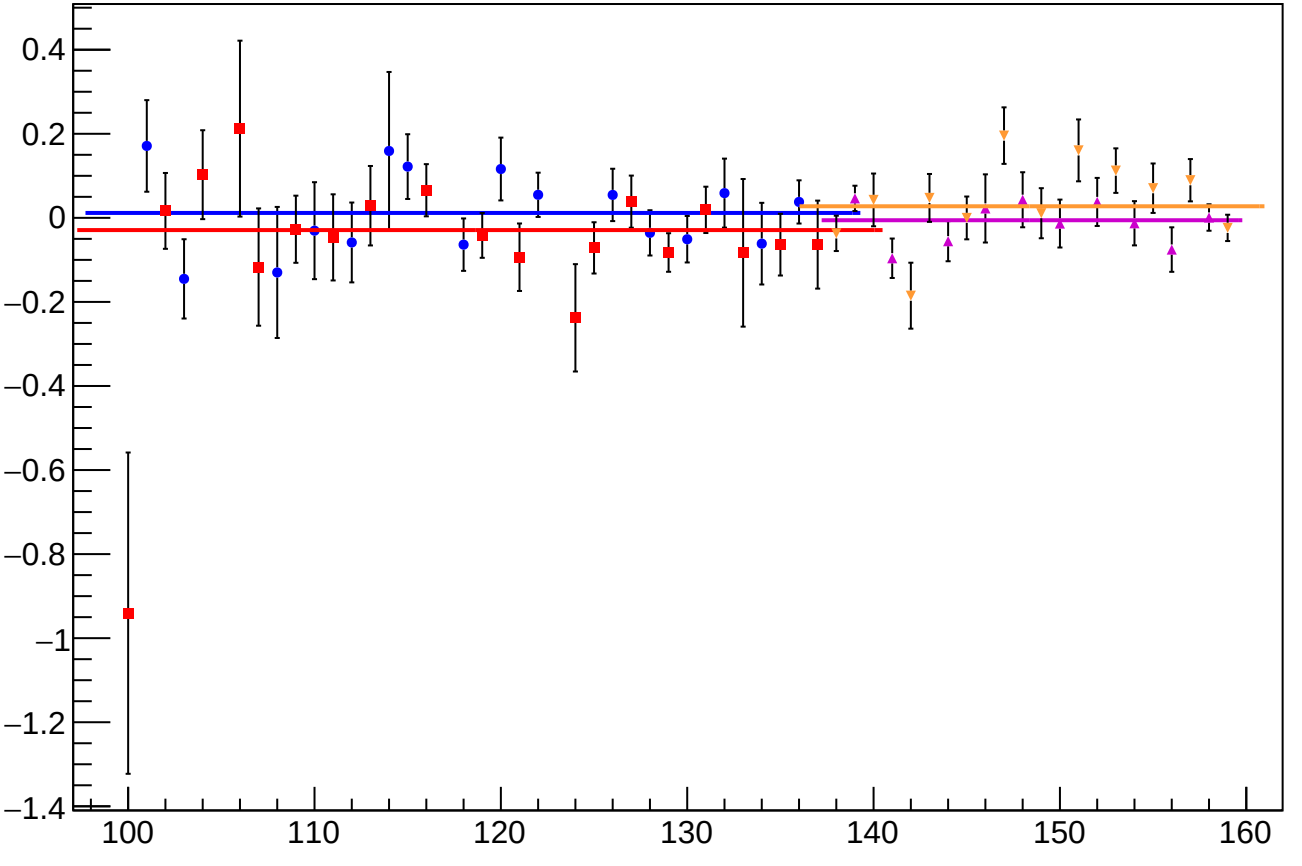
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4029944.3/25

Out: 0.000+/-0.000 χ^2/NDF:6876409.0/30

All: 0.000+/-0.000 χ^2/NDF: 11910355.8/56

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: 0.028+/-0.015 χ^2/NDF:27.1/11

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

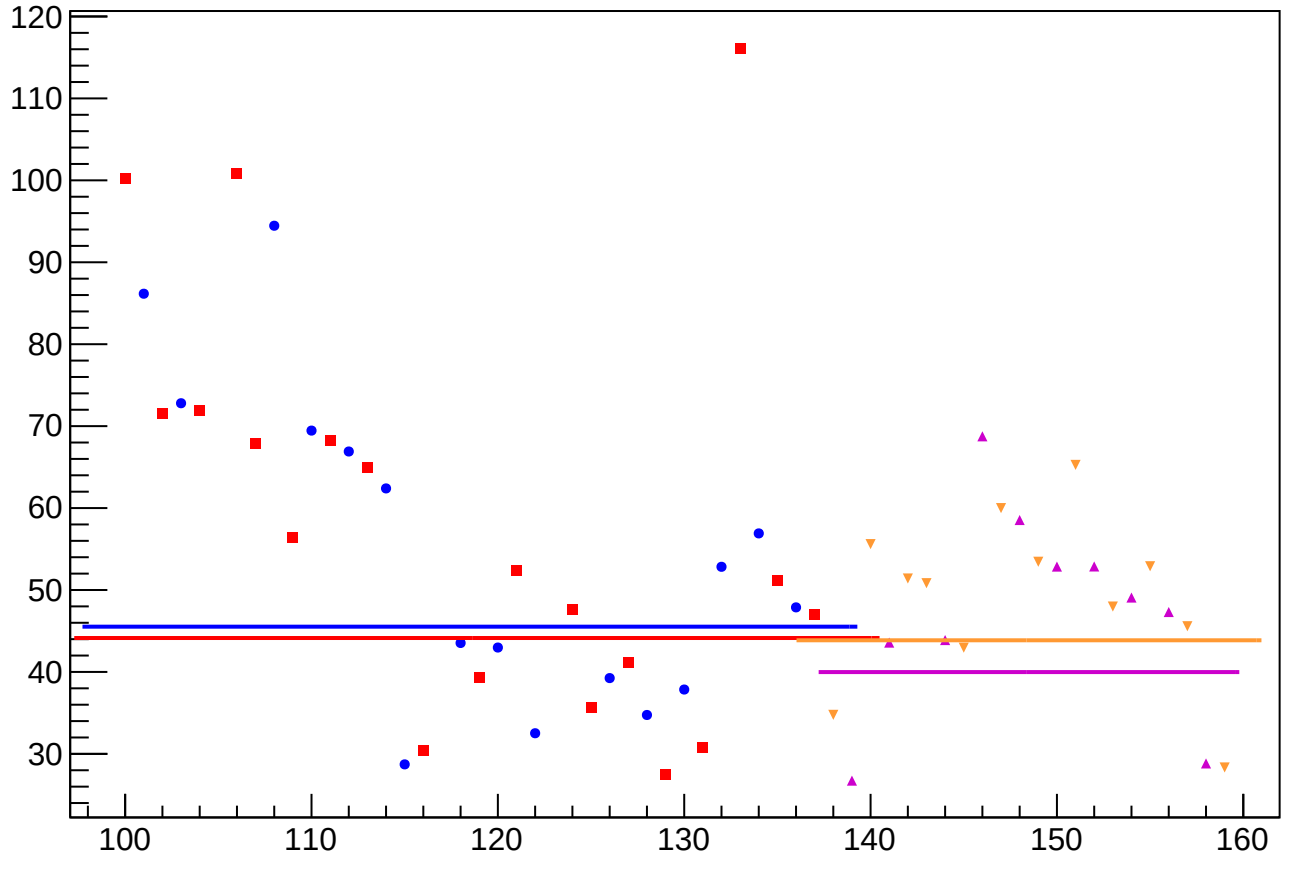
Left: 0.010+/-0.010 χ^2/NDF: 40.5/21

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.003+/-0.008 χ^2/NDF: 80.8/56



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.863+/-0.011 χ^2/NDF:1101819.4/11

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

Left: 41.859+/-0.007 χ^2/NDF: 2548320.3/21

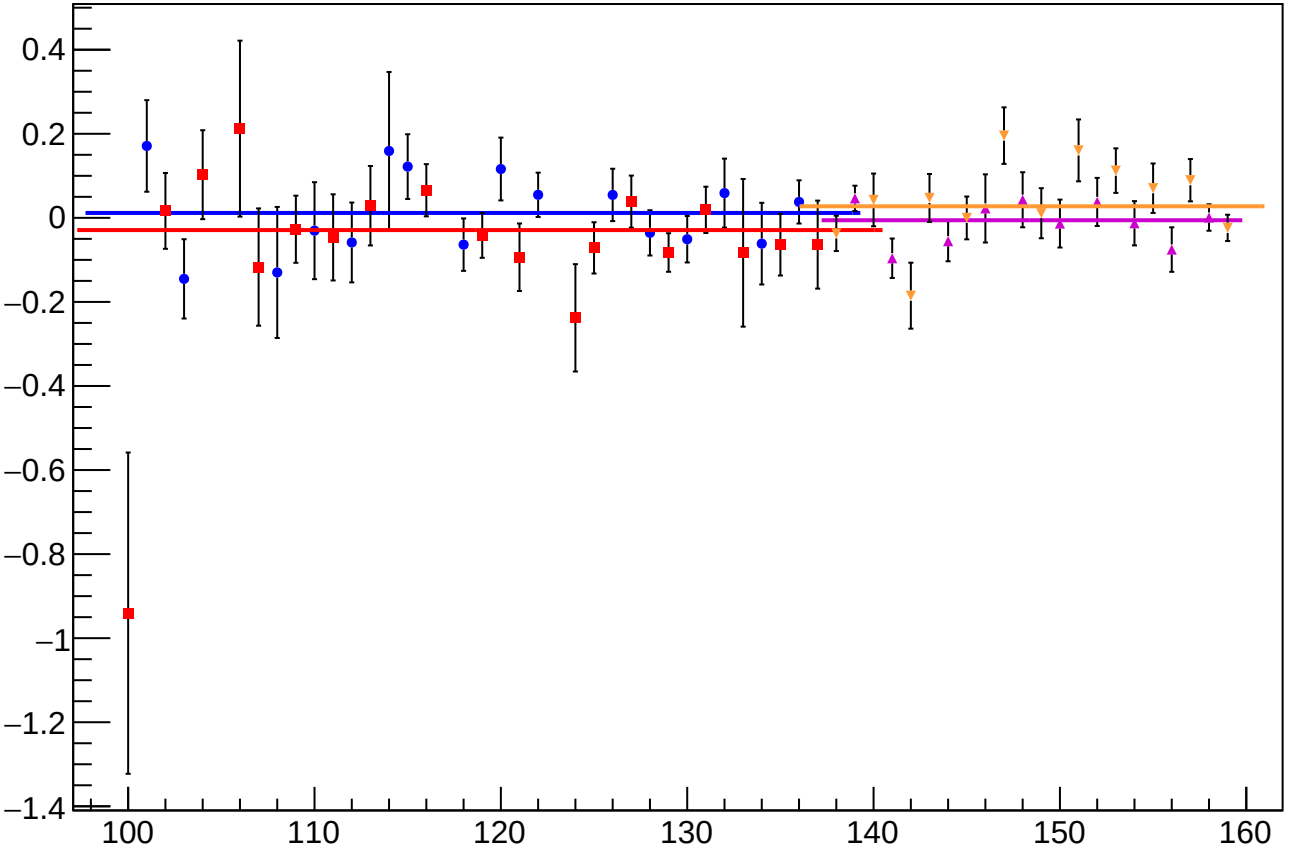
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.127+/-0.008 χ^2/NDF:2743925.2/25

Out: 43.978+/-0.008 χ^2/NDF:2845533.6/30

All: 43.043+/-0.006 χ^2/NDF: 5615592.2/56

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: 0.028+/-0.015 χ^2/NDF:27.1/11

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

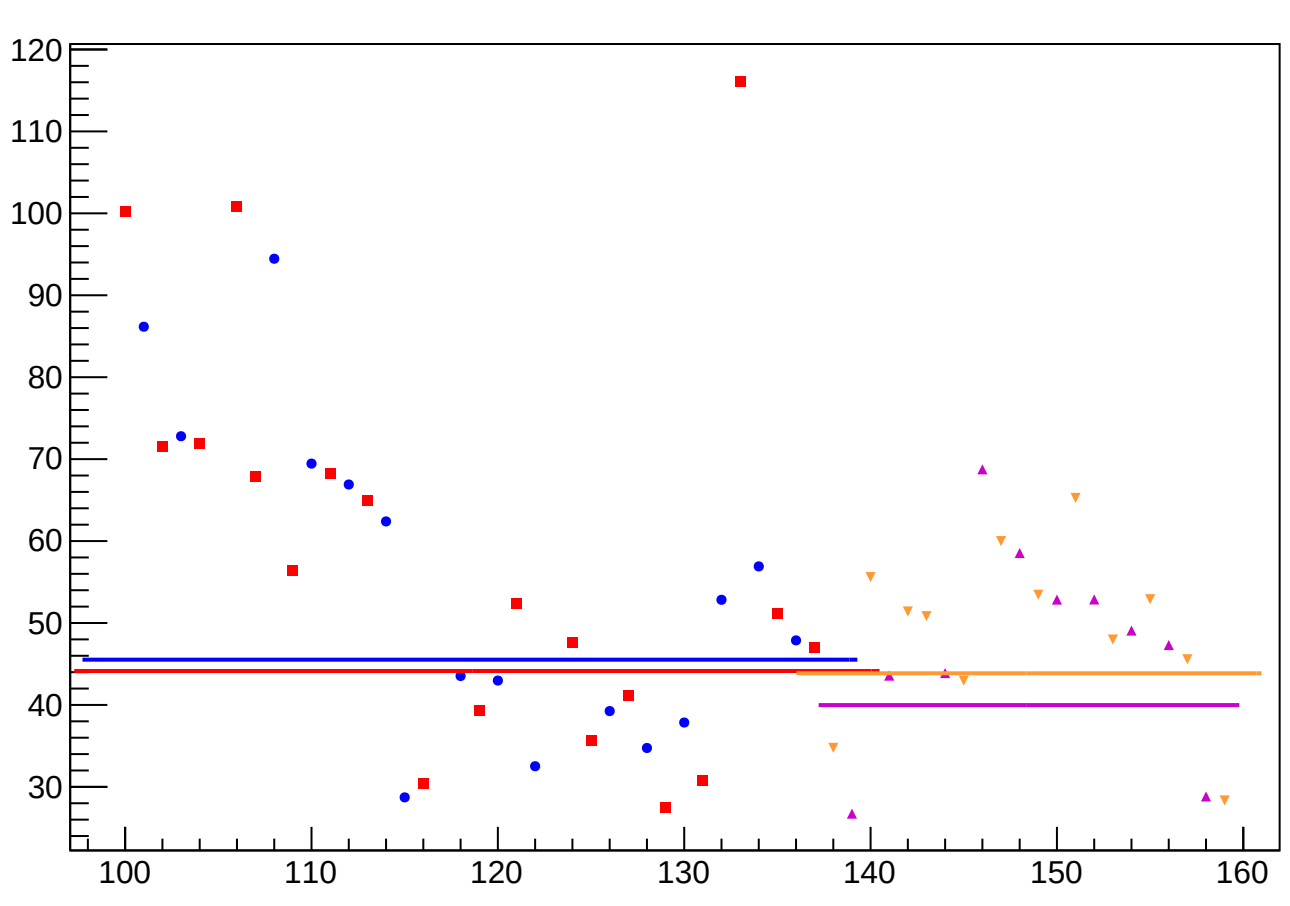
Left: 0.010+/-0.010 χ^2/NDF: 40.5/21

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.003+/-0.008 χ^2/NDF: 80.8/56



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.863+/-0.011 χ^2/NDF:1101819.4/11

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

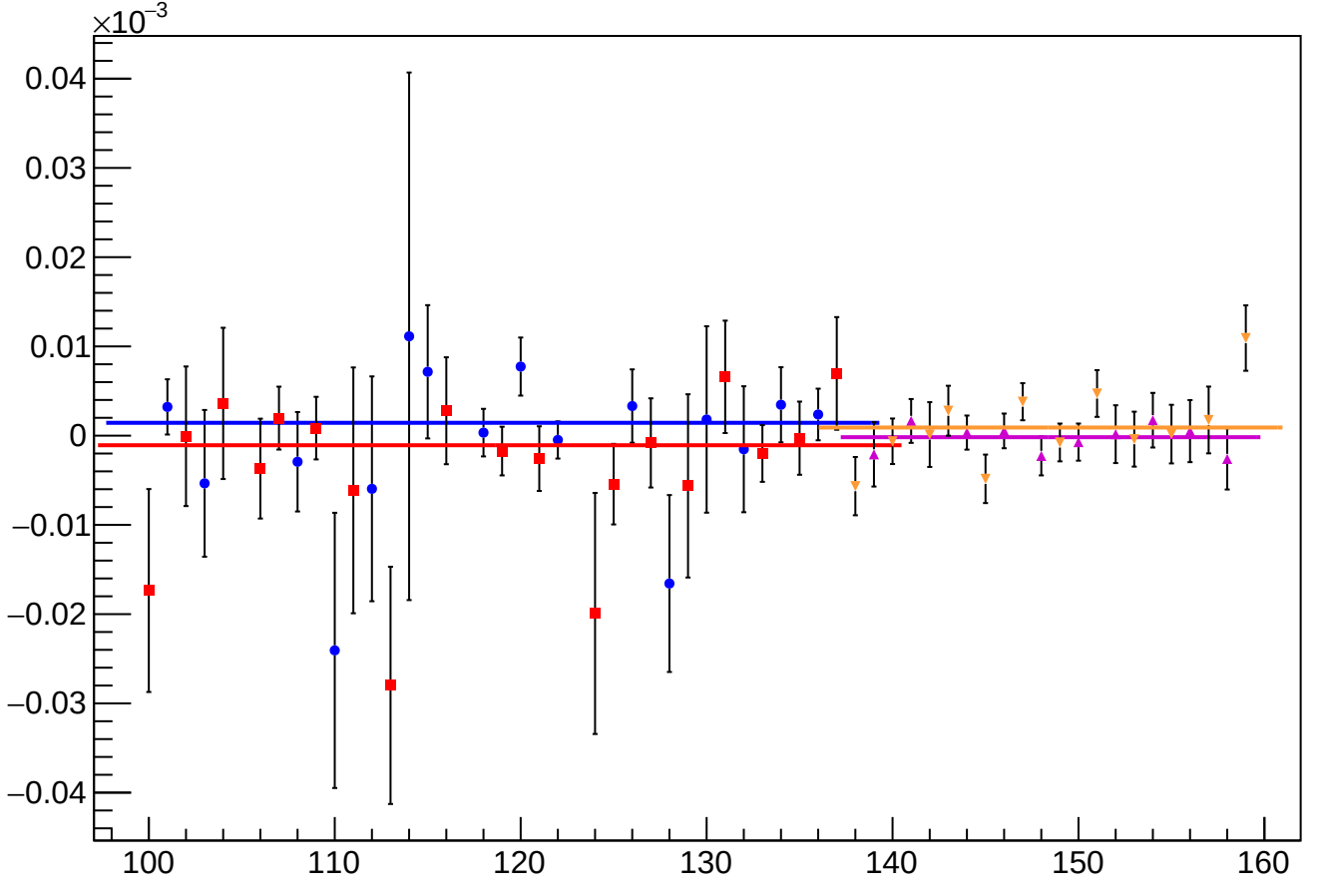
Left: 41.859+/-0.007 χ^2/NDF: 2548320.3/21

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.127+/-0.008 χ^2/NDF:2743925.2/25

Out: 43.978+/-0.008 χ^2/NDF:2845533.6/30

All: 43.043+/-0.006 χ^2/NDF: 5615592.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/9

Left: 0.000+/-0.000 χ^2/NDF: 25.7/21

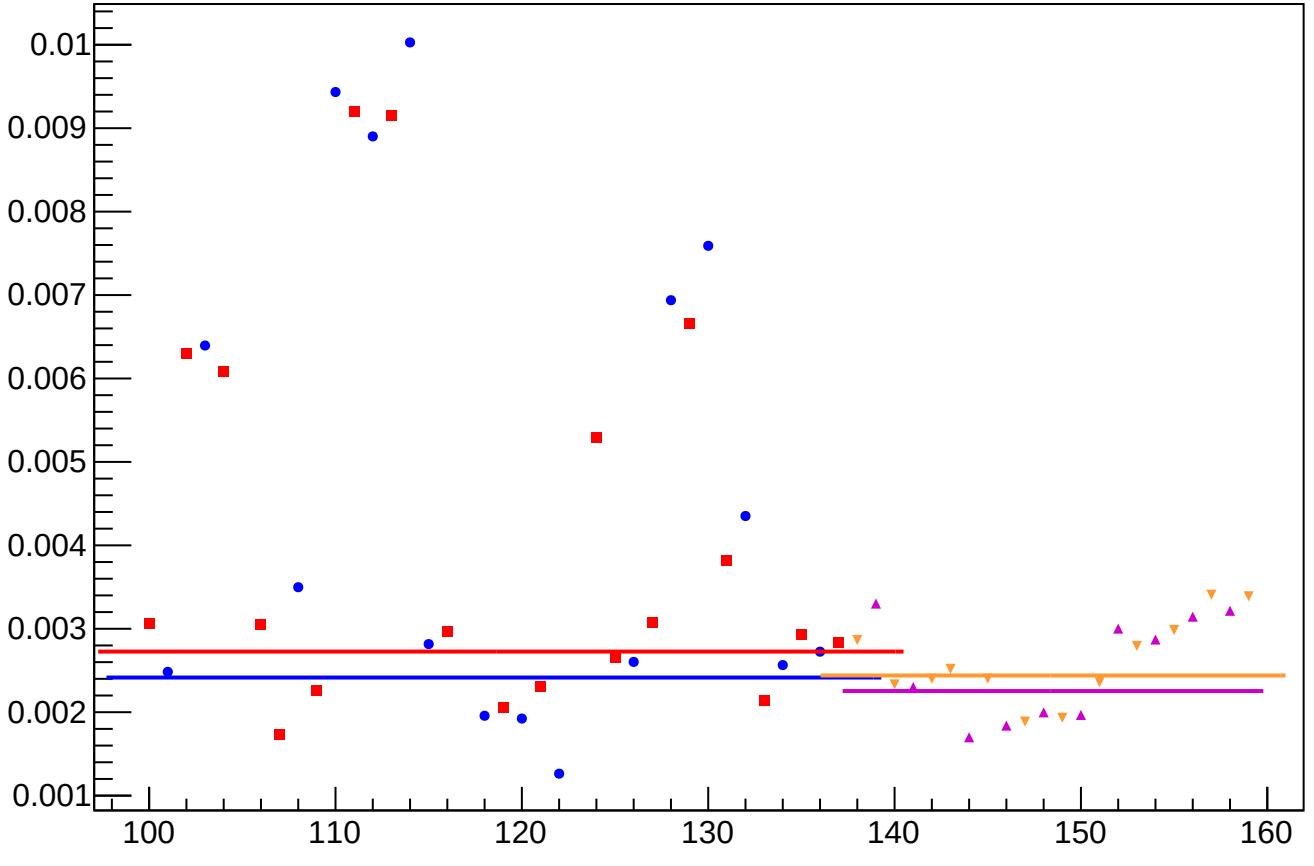
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:18.7/25

Out: 0.000+/-0.000 χ^2/NDF:38.7/30

All: 0.000+/-0.000 χ^2/NDF: 57.4/56

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:647280.1/11

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:971550.8/9

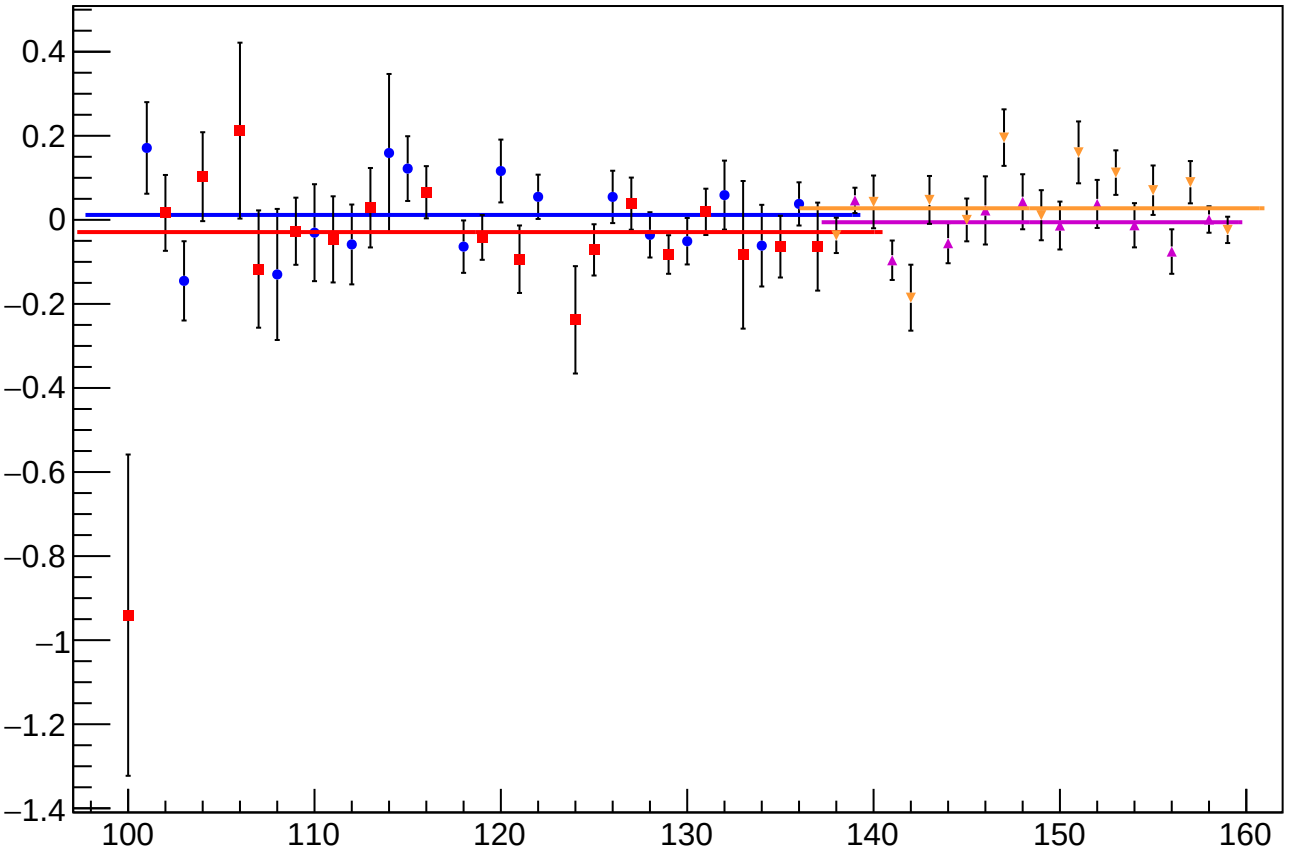
Left: 0.002+/-0.000 χ^2/NDF: 1673192.5/21

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4434241.1/25

Out: 0.003+/-0.000 χ^2/NDF:3238177.4/30

All: 0.002+/-0.000 χ^2/NDF: 7794786.4/56



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.028+/-0.015 χ^2/NDF:27.1/11

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

Left: 0.010+/-0.010 χ^2/NDF: 40.5/21

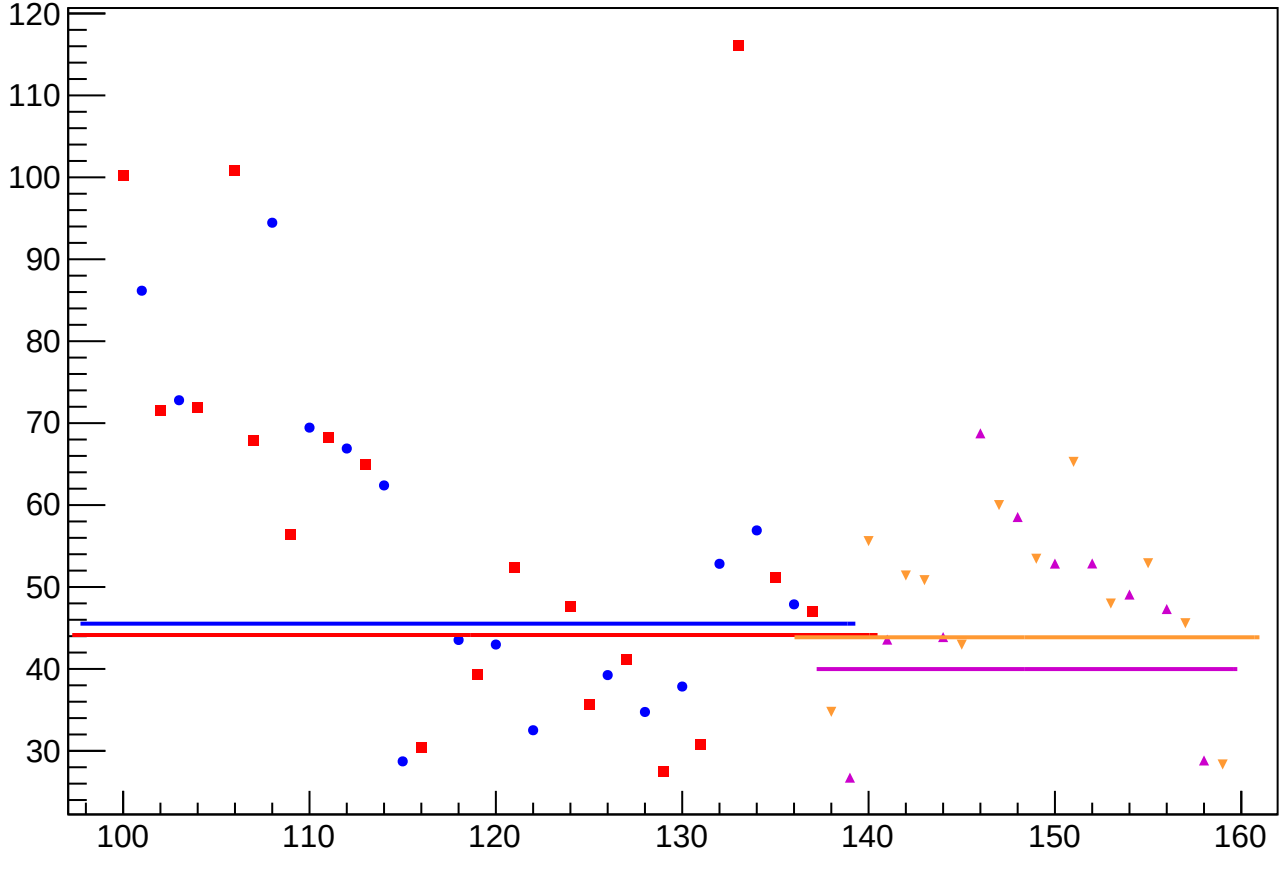
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.003+/-0.008 χ^2/NDF: 80.8/56

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.863+/-0.011 χ^2/NDF:1101868.3/11

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

Left: 41.860+/-0.007 χ^2/NDF: 2548430.3/21

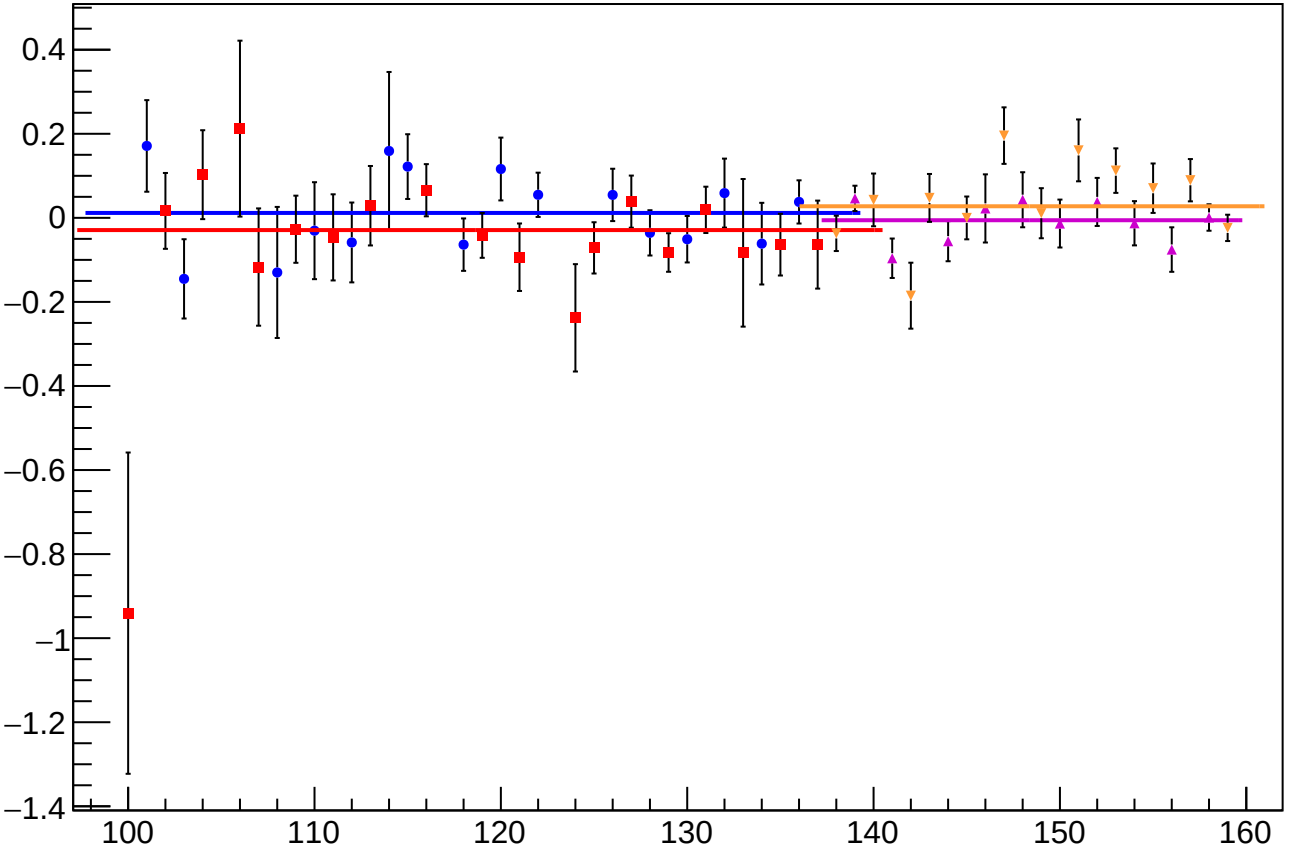
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.127+/-0.008 χ^2/NDF:2743932.4/25

Out: 43.978+/-0.008 χ^2/NDF:2845502.8/30

All: 43.043+/-0.006 χ^2/NDF: 5615574.6/56

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: 0.028+/-0.015 χ^2/NDF:27.1/11

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

Left: 0.010+/-0.010 χ^2/NDF: 40.5/21

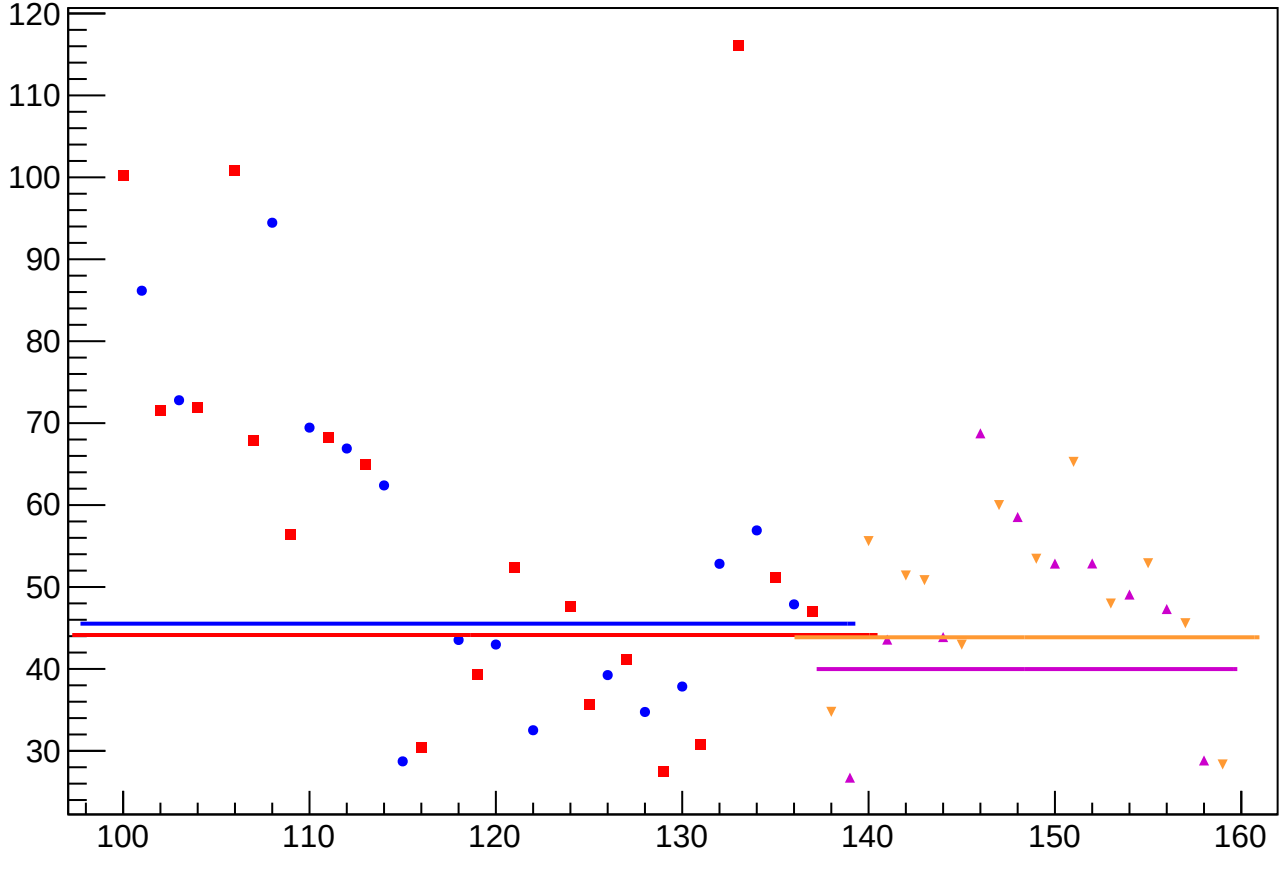
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.003+/-0.008 χ^2/NDF: 80.8/56

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: 43.863+/-0.011 χ^2/NDF:1101868.3/11

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

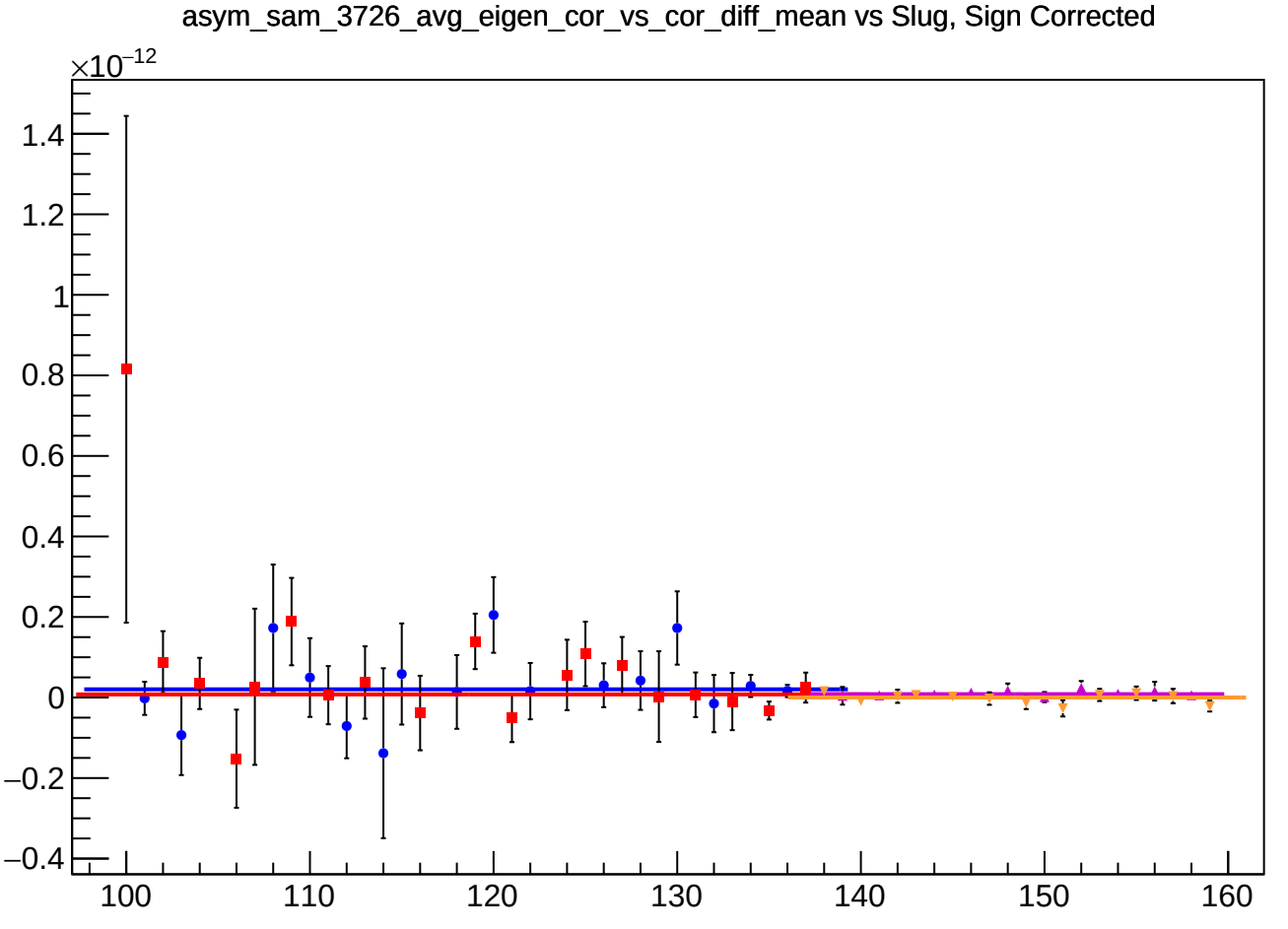
Left: 41.860+/-0.007 χ^2/NDF: 2548430.3/21

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.127+/-0.008 χ^2/NDF:2743932.4/25

Out: 43.978+/-0.008 χ^2/NDF:2845502.8/30

All: 43.043+/-0.006 χ^2/NDF: 5615574.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/9

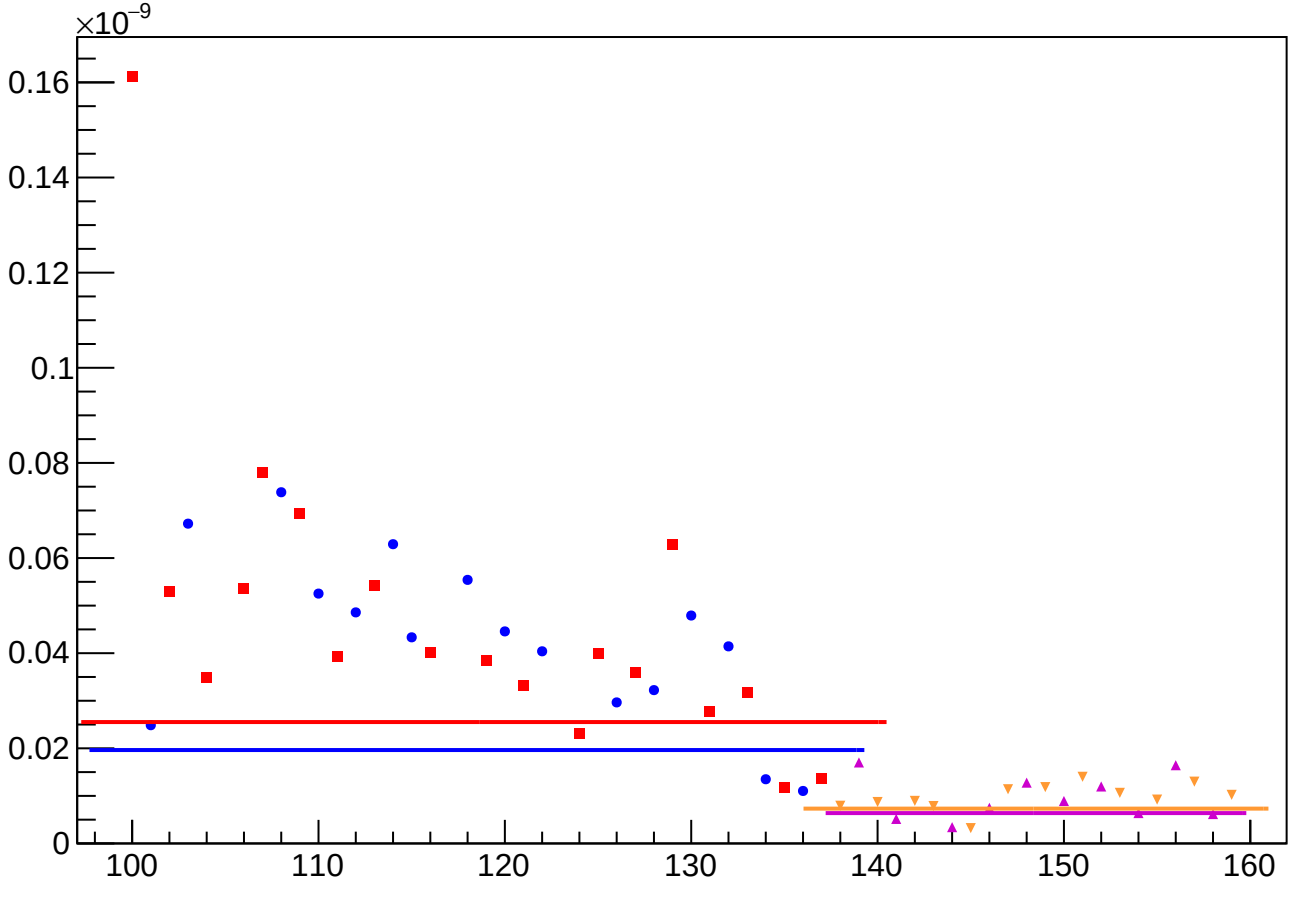
Left: 0.000+/-0.000 χ^2/NDF: 13.2/21

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.8/25

Out: 0.000+/-0.000 χ^2/NDF:27.4/30

All: 0.000+/-0.000 χ^2/NDF: 45.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2065134.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2003554.9/9

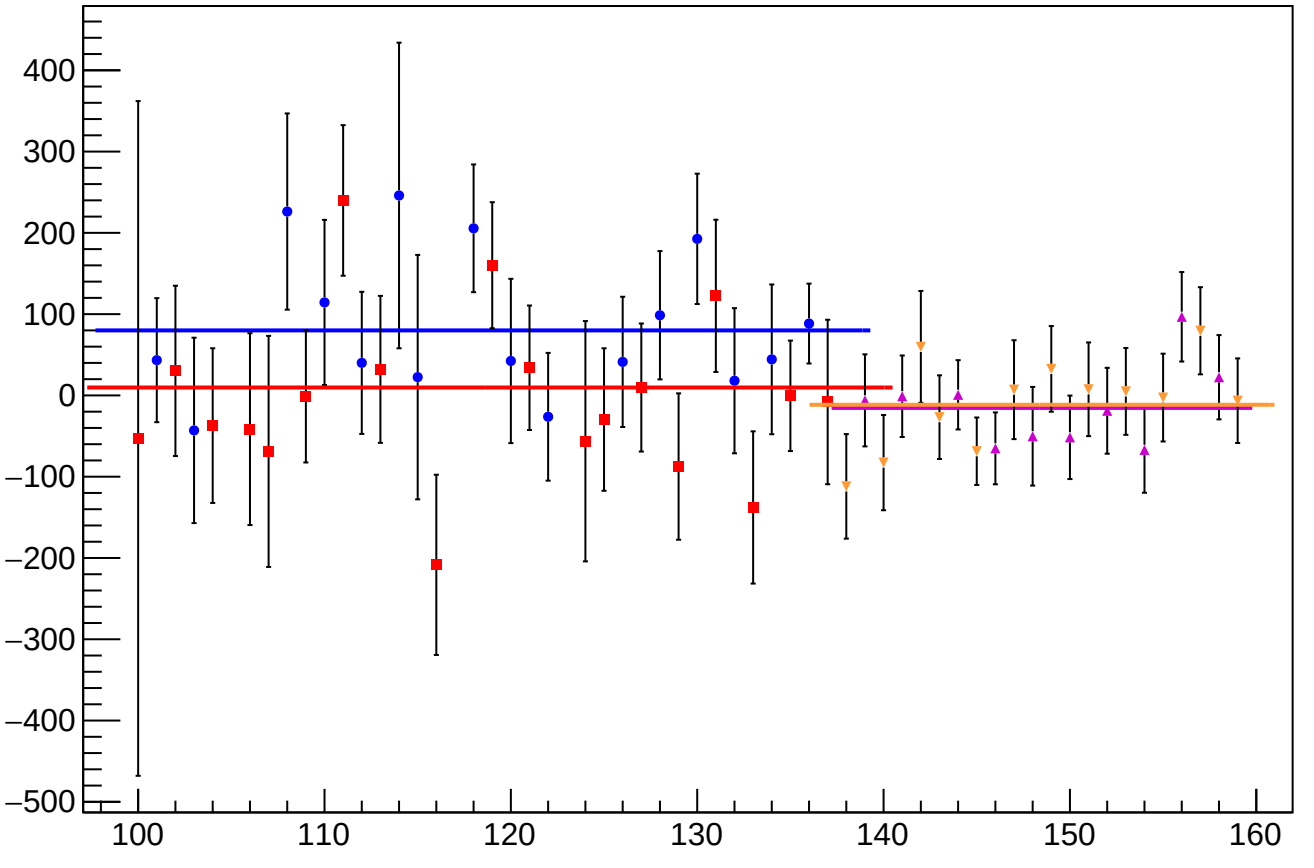
Left: 0.000+/-0.000 χ^2/NDF: 4146438.7/21

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7827380.6/25

Out: 0.000+/-0.000 χ^2/NDF:8092911.7/30

All: 0.000+/-0.000 χ^2/NDF: 16000140.2/56



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.494+/-15.726 χ^2/NDF:10.9/11

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -15.367+/-16.135 χ^2/NDF:8.0/9

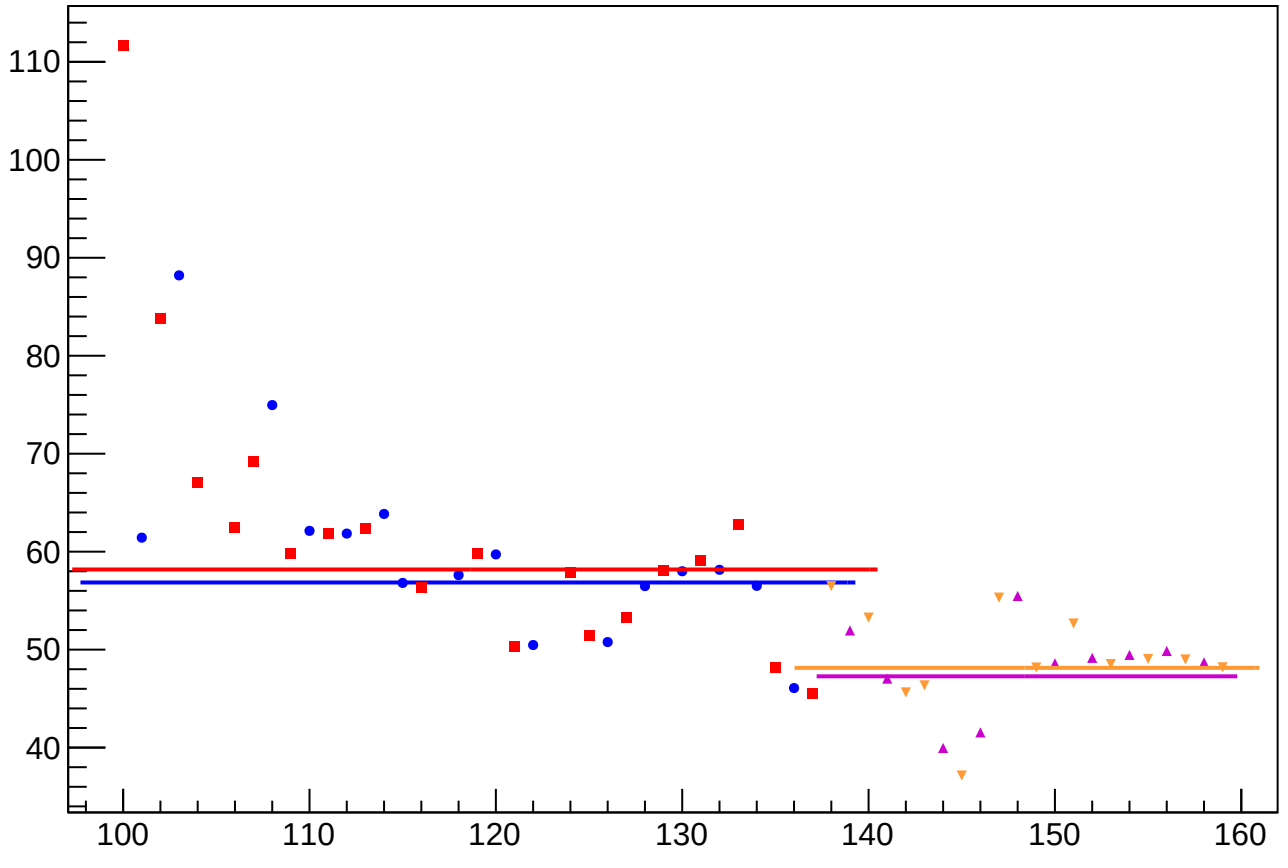
Left: -13.381+/-11.262 χ^2/NDF: 18.9/21

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 19.042+/-12.899 χ^2/NDF:32.1/25

Out: -4.149+/-12.717 χ^2/NDF:31.9/30

All: 7.281+/-9.056 χ^2/NDF: 65.6/56



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.140+/-0.011 χ^2/NDF:235641.4/11

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

Left: 47.719+/-0.008 χ^2/NDF: 394440.8/21

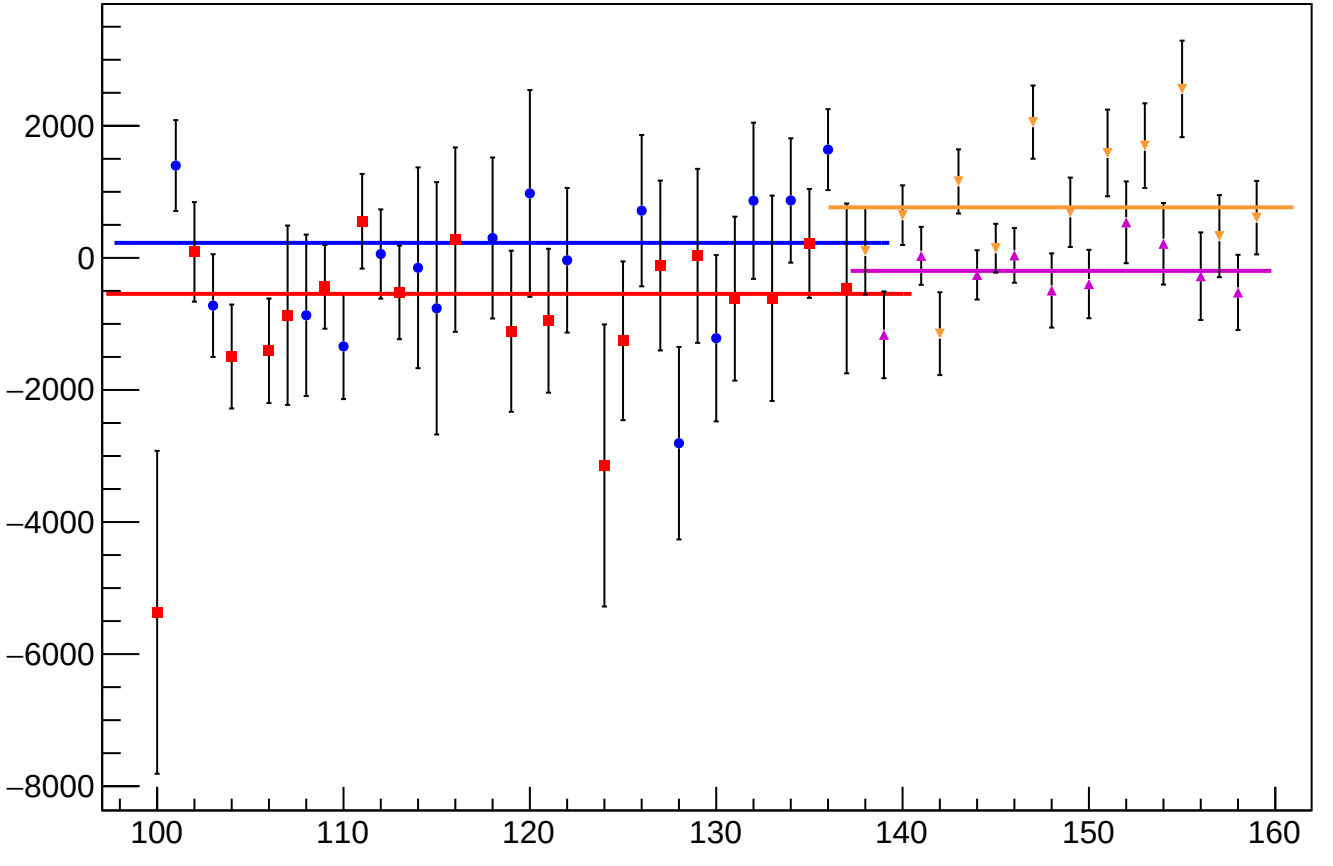
Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.732+/-0.009 χ^2/NDF:751816.9/25

Out: 51.615+/-0.009 χ^2/NDF:832502.4/30

All: 51.180+/-0.006 χ^2/NDF: 1589075.6/56

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 765.619+/-156.942 χ^2/NDF:29.6/11

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -197.048+/-162.244 χ^2/NDF:5.4/9

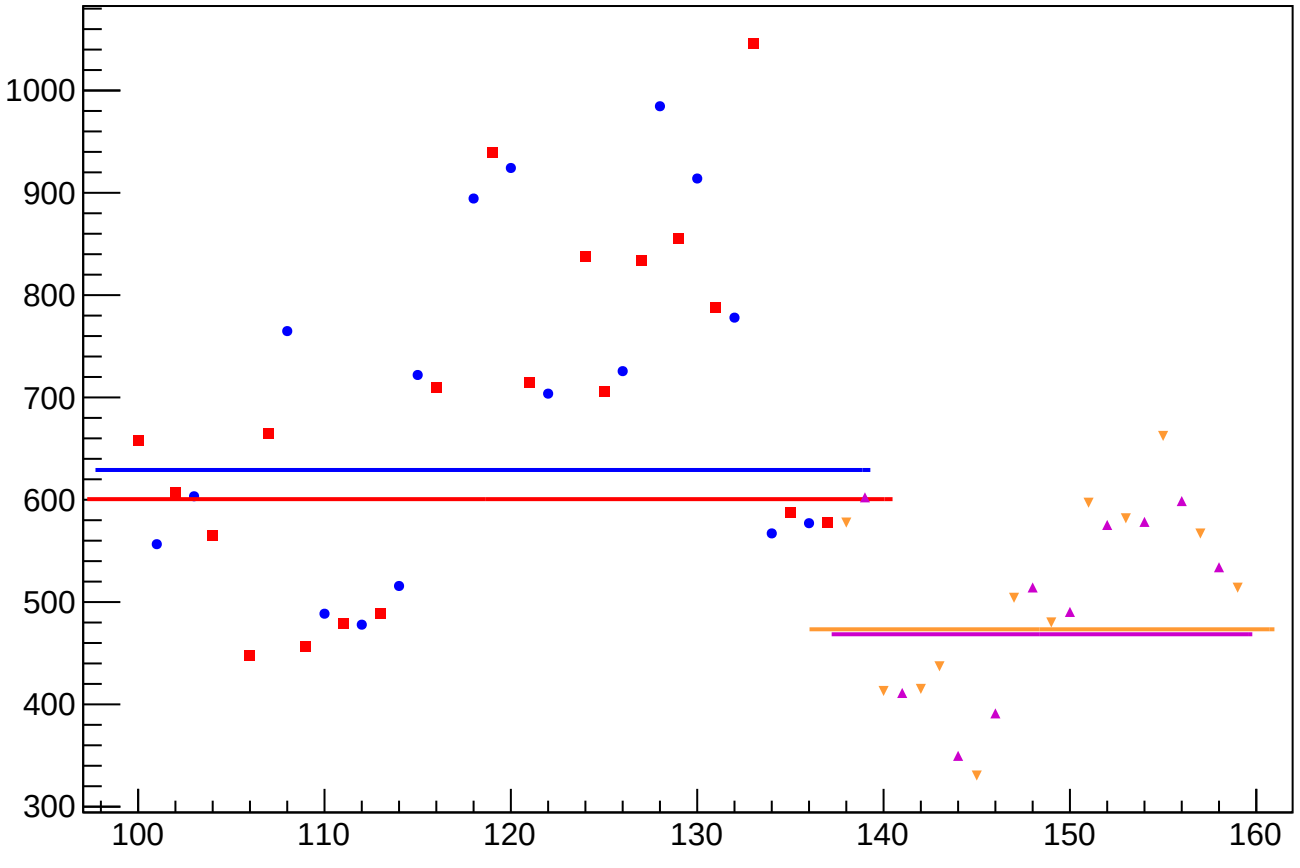
Left: 300.272+/-112.803 χ^2/NDF: 53.1/21

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -64.812+/-134.626 χ^2/NDF:29.2/25

Out: 342.440+/-129.137 χ^2/NDF:65.4/30

All: 147.286+/-93.194 χ^2/NDF: 99.4/56



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 473.384+/-0.111 χ^2/NDF:737320.4/11

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 468.526+/-0.115 χ^2/NDF:632589.7/9

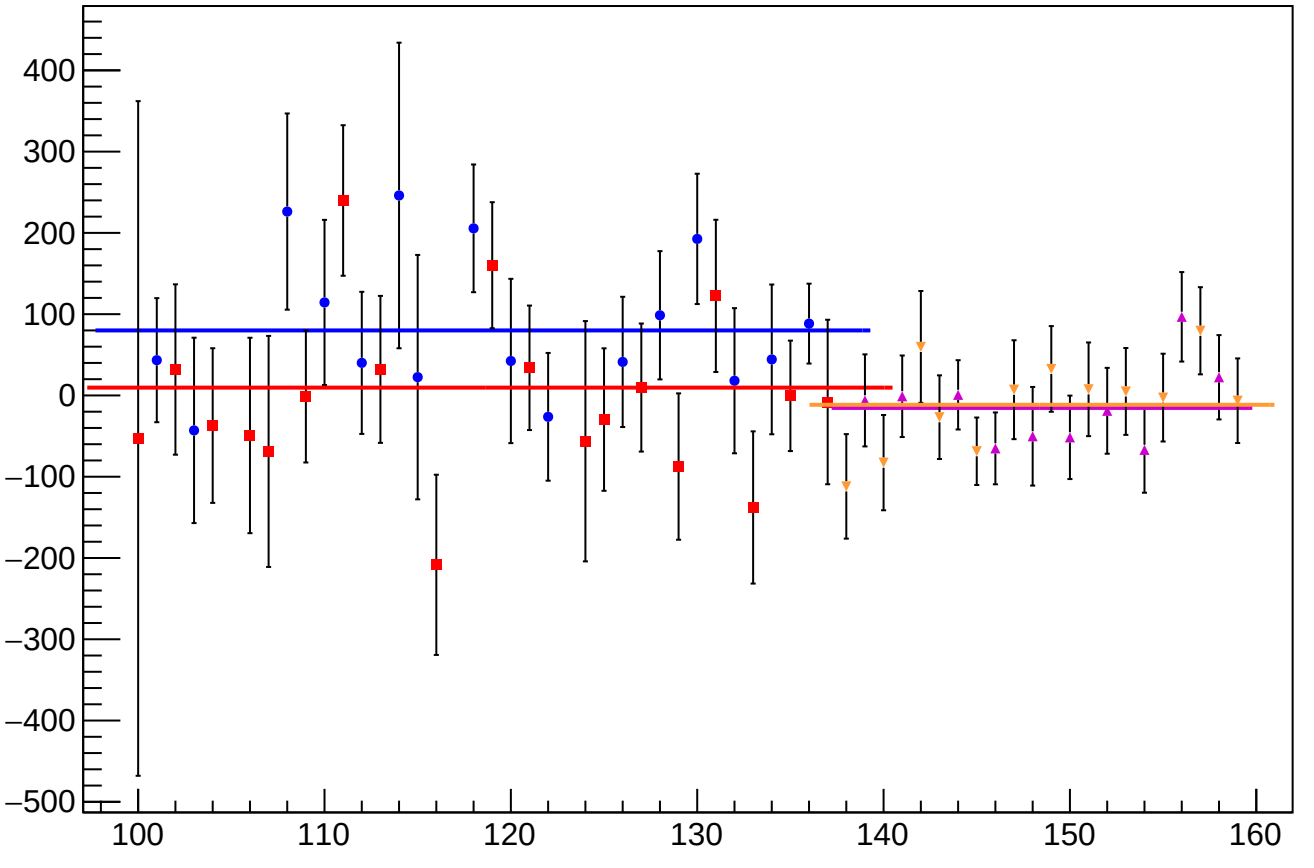
Left: 471.036+/-0.080 χ^2/NDF: 1370836.7/21

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 518.538+/-0.095 χ^2/NDF:1935464.4/25

Out: 514.465+/-0.091 χ^2/NDF:2036271.1/30

All: 516.417+/-0.066 χ^2/NDF: 3972688.9/56



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.496+/-15.726 χ^2/NDF:10.9/11

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.368+/-16.135 χ^2/NDF:8.0/9

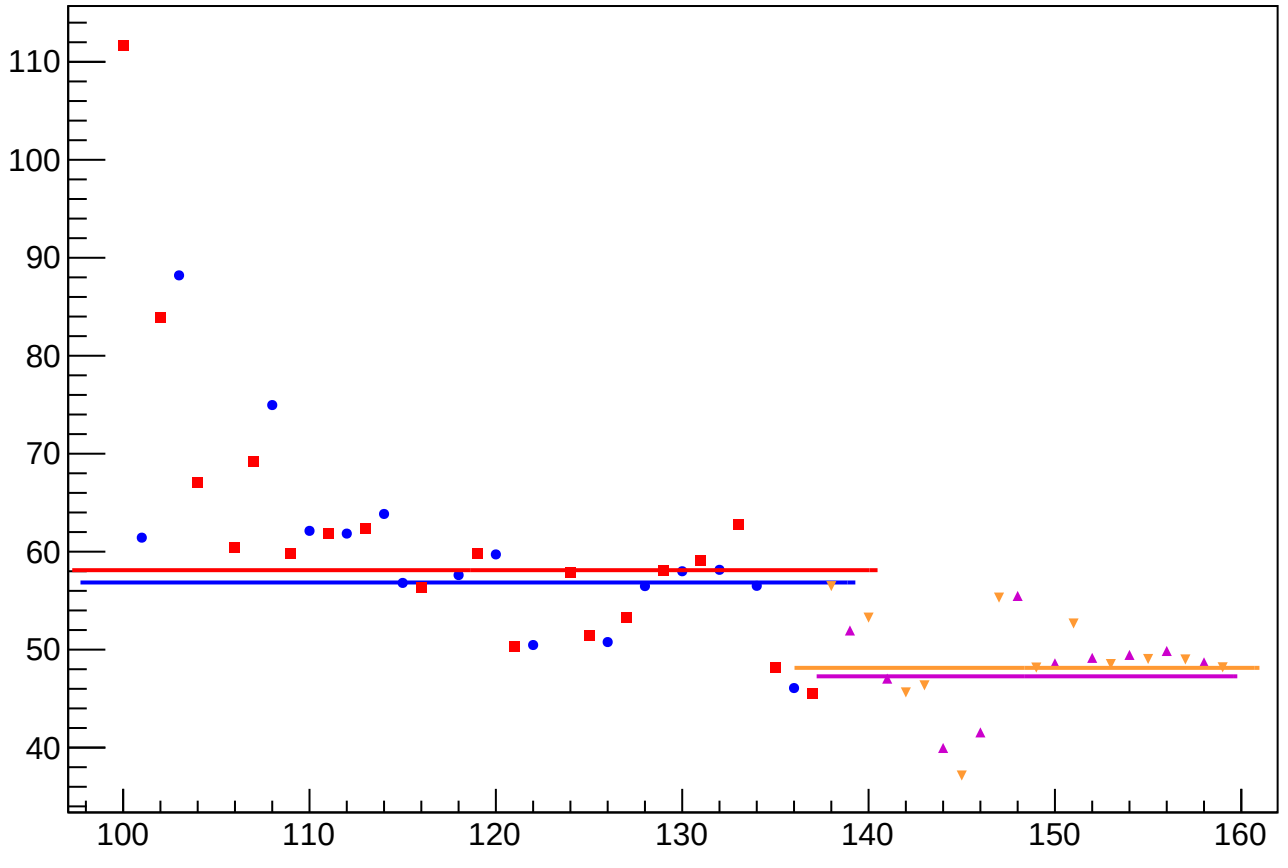
Left: -13.382+/-11.262 χ^2/NDF: 18.9/21

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.042+/-12.899 χ^2/NDF:32.1/25

Out: -4.195+/-12.720 χ^2/NDF:31.9/30

All: 7.261+/-9.057 χ^2/NDF: 65.7/56



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.140+/-0.011 χ^2/NDF:235641.4/11

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

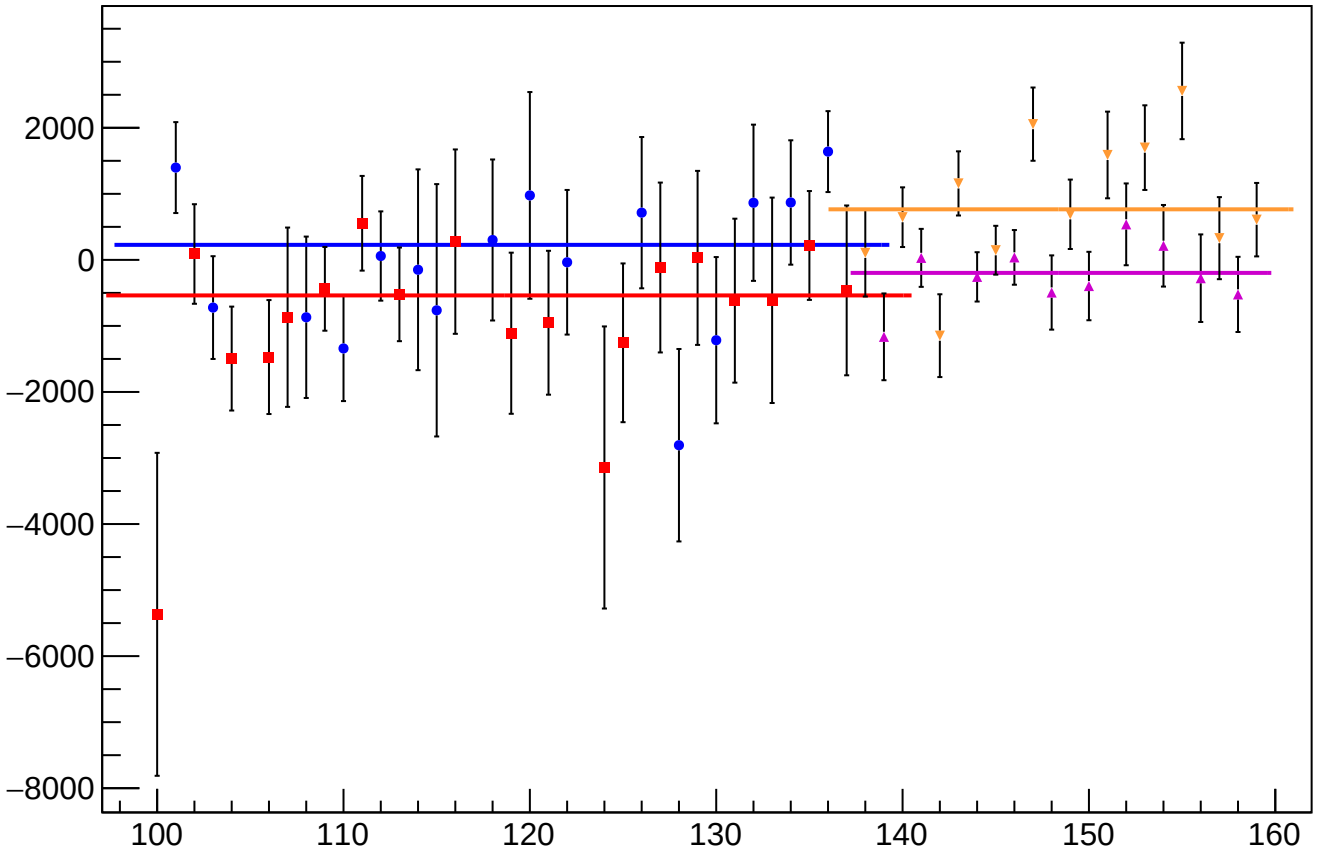
Left: 47.719+/-0.008 χ^2/NDF: 394440.8/21

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.732+/-0.009 χ^2/NDF:751820.9/25

Out: 51.588+/-0.009 χ^2/NDF:826590.6/30

All: 51.166+/-0.006 χ^2/NDF: 1582877.2/56



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 765.618+/-156.942 χ^2/NDF:29.6/11

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -197.052+/-162.244 χ^2/NDF:5.4/9

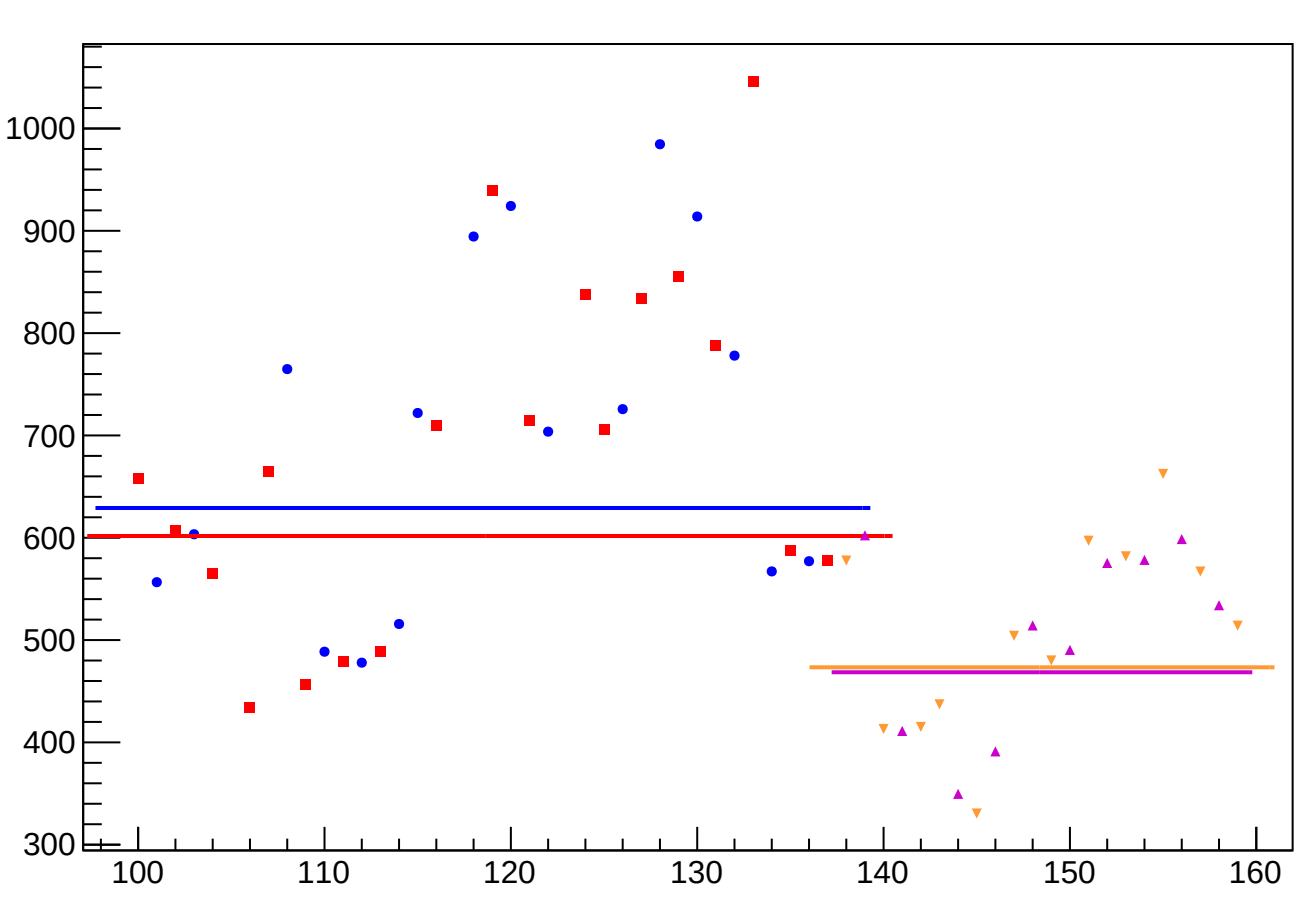
Left: 300.270+/-112.803 χ^2/NDF: 53.1/21

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -64.804+/-134.627 χ^2/NDF:29.2/25

Out: 348.359+/-129.413 χ^2/NDF:65.0/30

All: 149.933+/-93.297 χ^2/NDF: 99.1/56



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 473.384+/-0.111 χ^2/NDF:737322.3/11

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

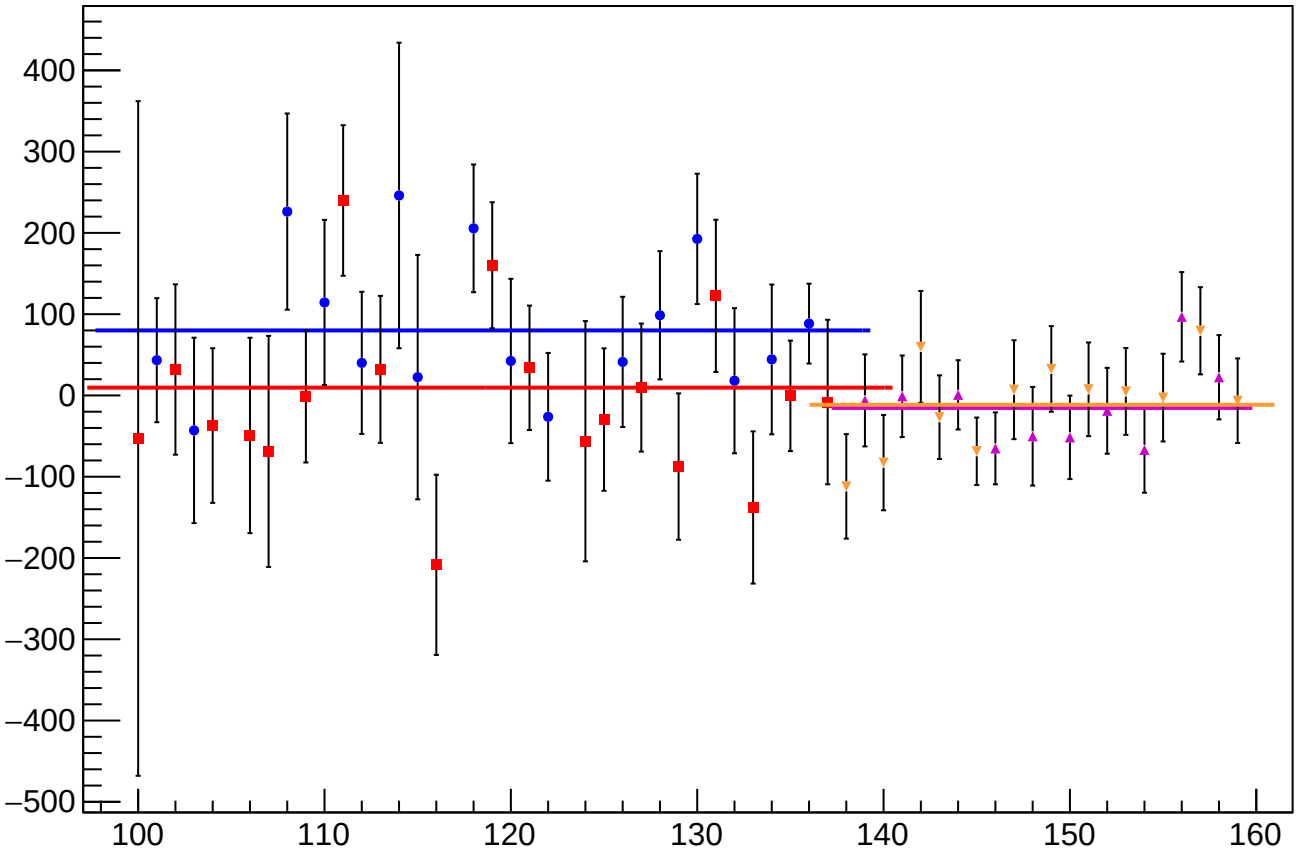
Left: 471.036+/-0.080 χ^2/NDF: 1370837.1/21

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 518.540+/-0.095 χ^2/NDF:1935483.0/25

Out: 514.458+/-0.092 χ^2/NDF:2039389.0/30

All: 516.418+/-0.066 χ^2/NDF: 3975827.3/56



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.496+/-15.726 χ^2/NDF:10.9/11

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.368+/-16.135 χ^2/NDF:8.0/9

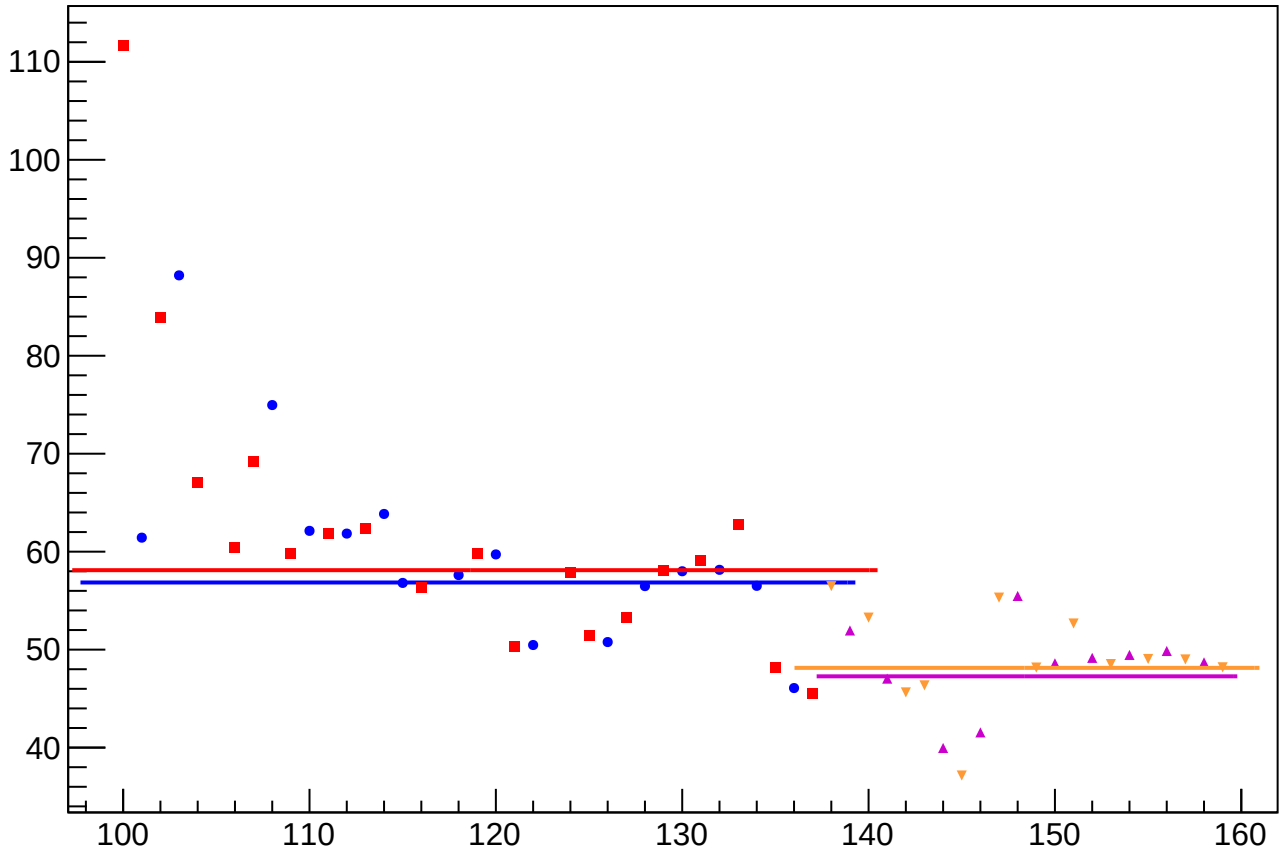
Left: -13.382+/-11.262 χ^2/NDF: 18.9/21

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.042+/-12.899 χ^2/NDF:32.1/25

Out: -4.195+/-12.720 χ^2/NDF:31.9/30

All: 7.261+/-9.057 χ^2/NDF: 65.7/56



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.140+/-0.011 χ^2/NDF:235641.4/11

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

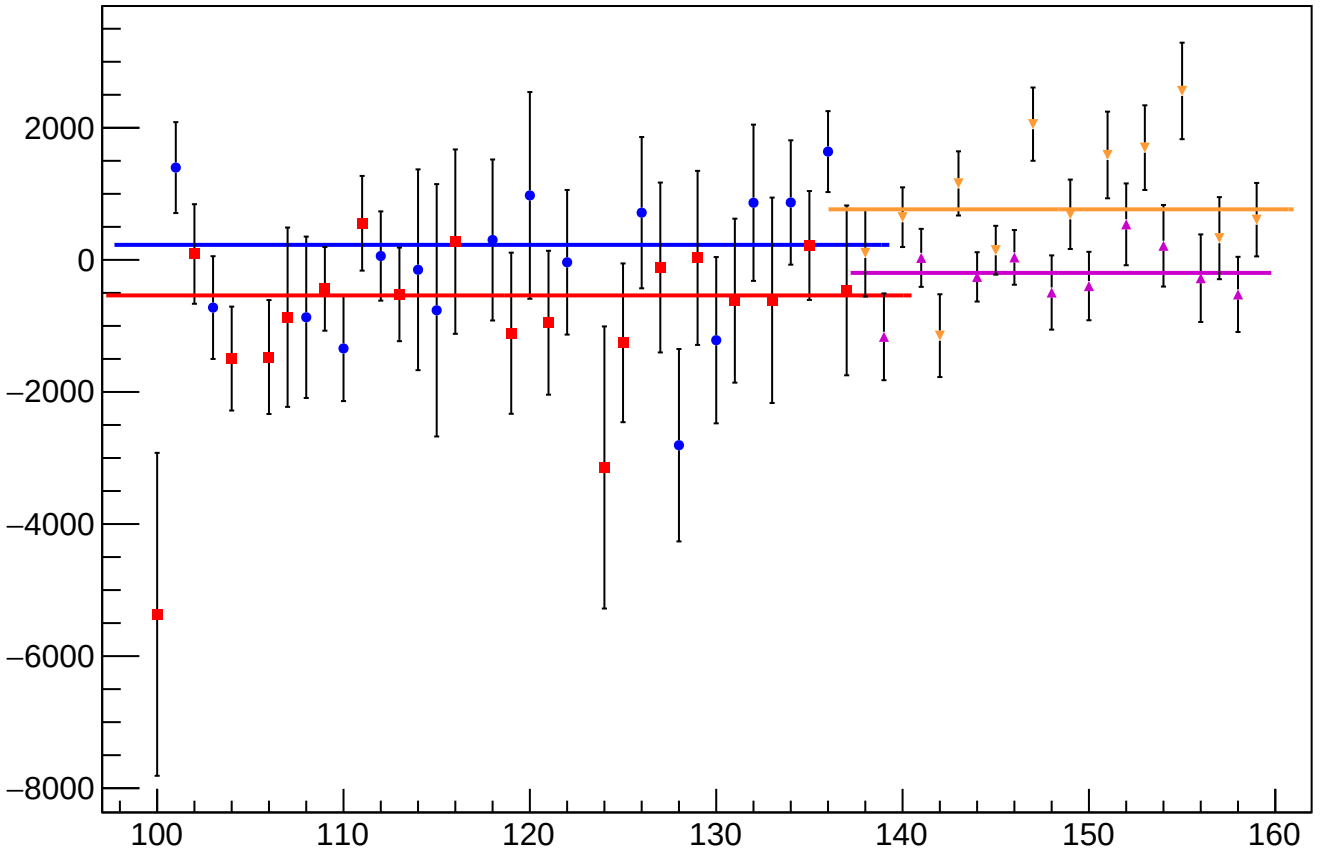
Left: 47.719+/-0.008 χ^2/NDF: 394440.8/21

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.732+/-0.009 χ^2/NDF:751820.9/25

Out: 51.588+/-0.009 χ^2/NDF:826590.6/30

All: 51.166+/-0.006 χ^2/NDF: 1582877.2/56



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 765.618+/-156.942 χ^2/NDF:29.6/11

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -197.052+/-162.244 χ^2/NDF:5.4/9

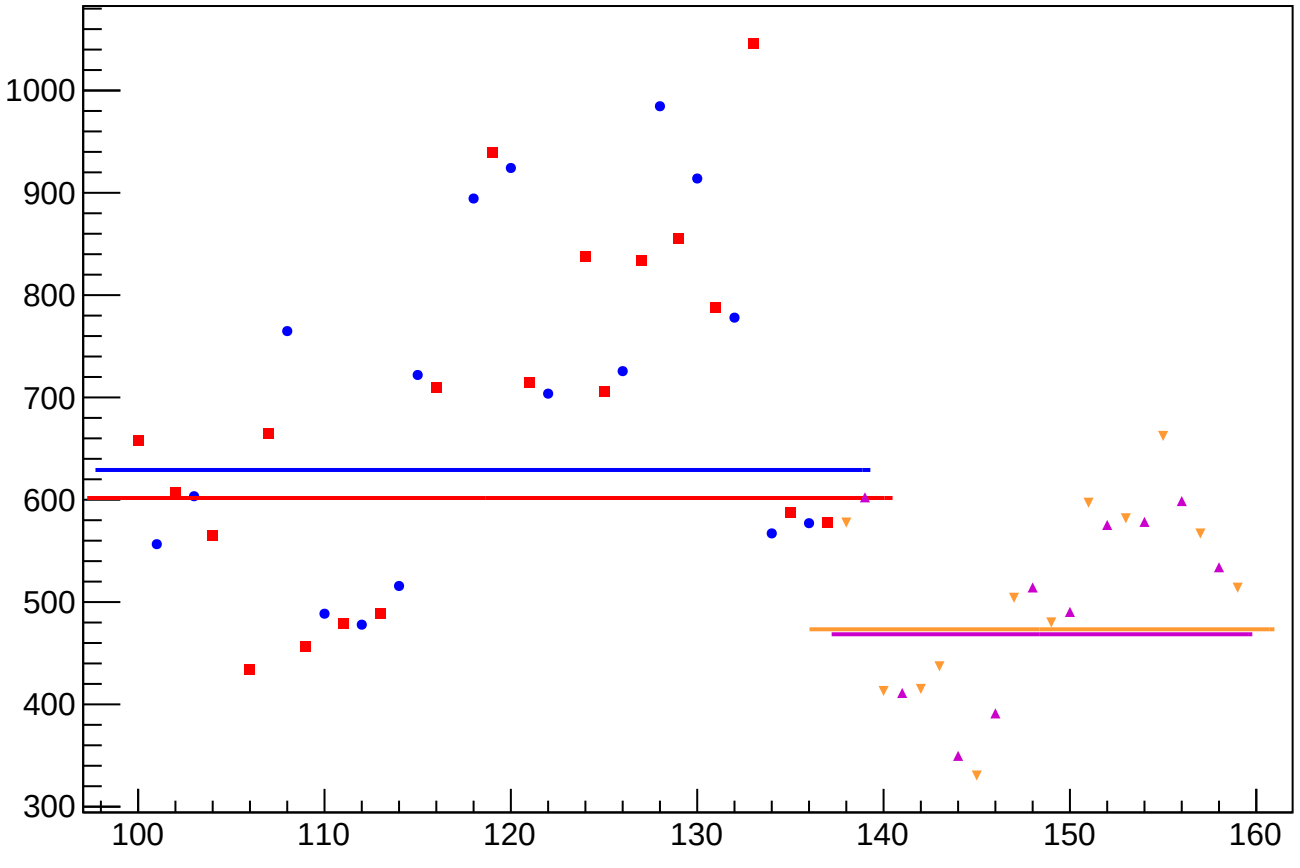
Left: 300.270+/-112.803 χ^2/NDF: 53.1/21

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -64.804+/-134.627 χ^2/NDF:29.2/25

Out: 348.359+/-129.413 χ^2/NDF:65.0/30

All: 149.933+/-93.297 χ^2/NDF: 99.1/56



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 473.384+/-0.111 χ^2/NDF:737322.3/11

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

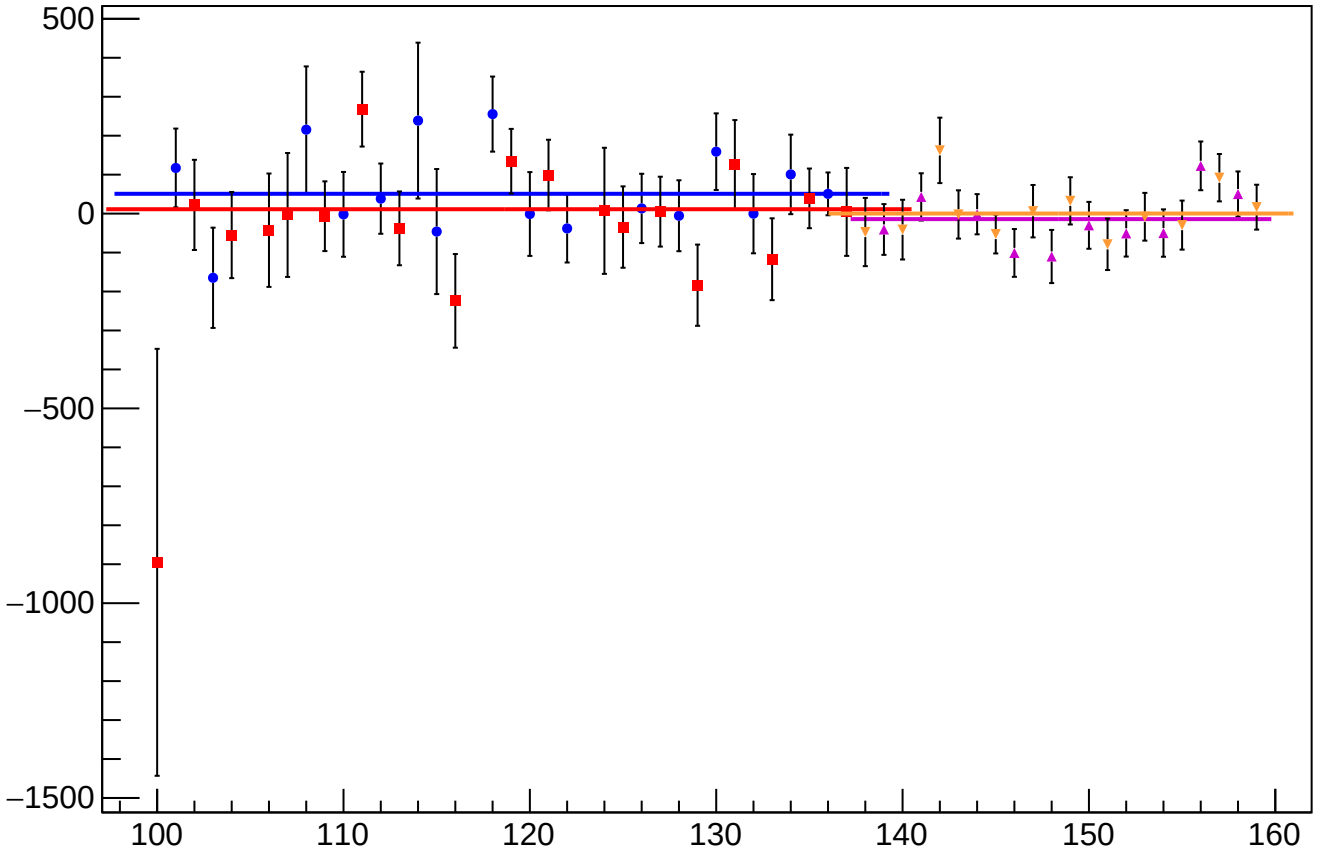
Left: 471.036+/-0.080 χ^2/NDF: 1370837.1/21

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 518.540+/-0.095 χ^2/NDF:1935483.0/25

Out: 514.458+/-0.092 χ^2/NDF:2039389.0/30

All: 516.418+/-0.066 χ^2/NDF: 3975827.3/56



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 0.201+/-18.508 χ^2/NDF:9.8/11

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.160+/-19.084 χ^2/NDF:11.9/9

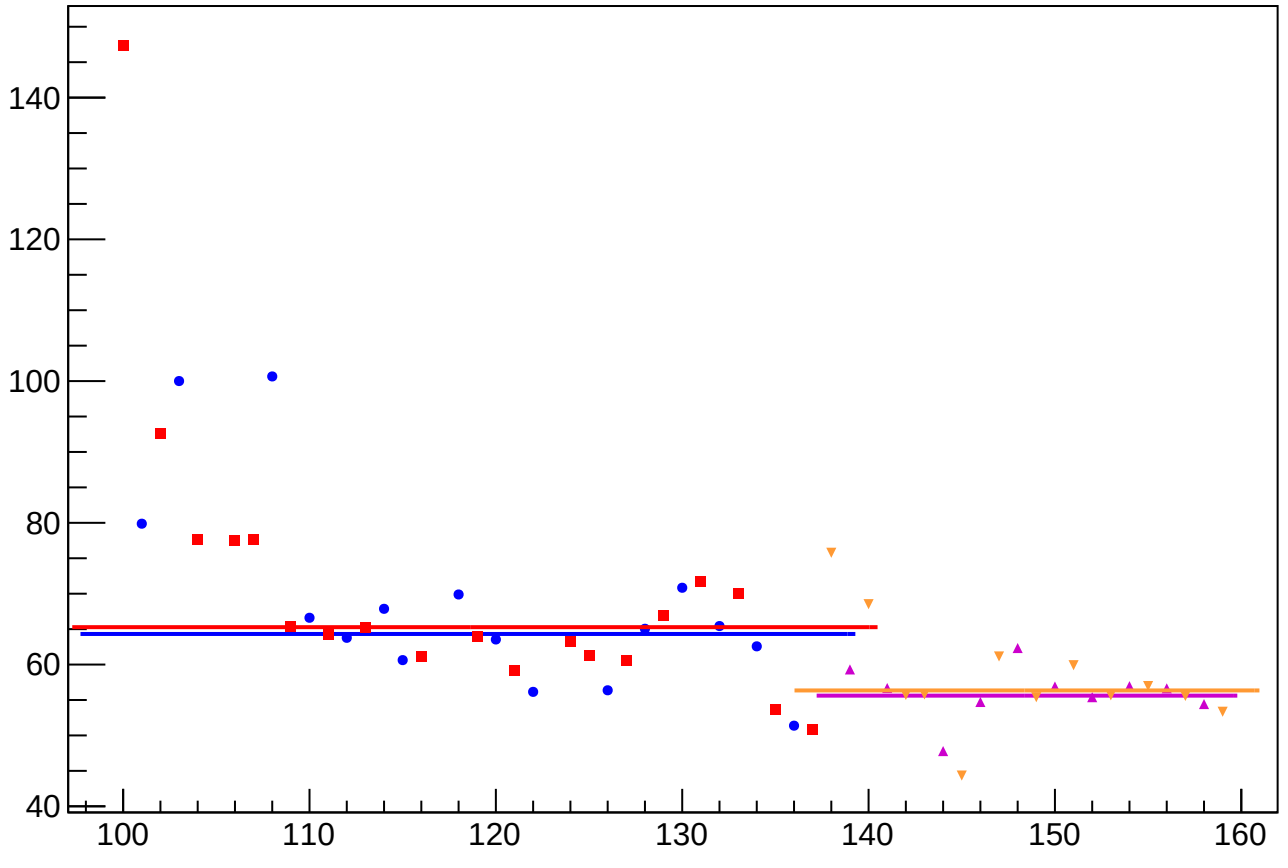
Left: -6.759+/-13.286 χ^2/NDF: 22.0/21

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 10.403+/-15.054 χ^2/NDF:30.1/25

Out: 4.256+/-14.729 χ^2/NDF:33.9/30

All: 7.263+/-10.528 χ^2/NDF: 64.1/56



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.348+/-0.013 χ^2/NDF:288142.7/11

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.615+/-0.013 χ^2/NDF:76154.8/9

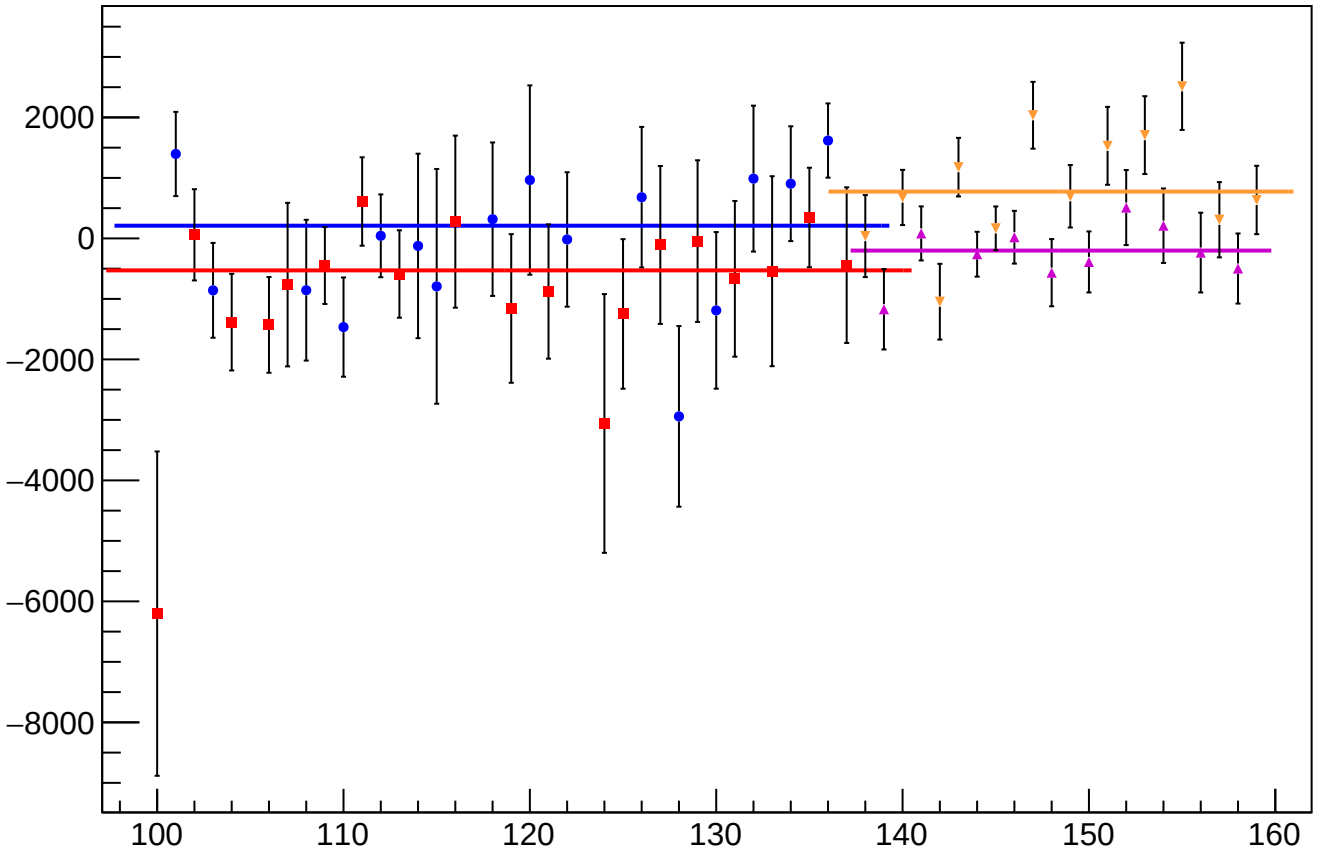
Left: 55.993+/-0.009 χ^2/NDF: 365815.5/21

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.903+/-0.011 χ^2/NDF:698186.7/25

Out: 59.622+/-0.010 χ^2/NDF:777990.6/30

All: 59.270+/-0.007 χ^2/NDF: 1478510.2/56



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 773.810+/-156.276 χ^2/NDF:28.4/11

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -201.120+/-163.270 χ^2/NDF:5.4/9

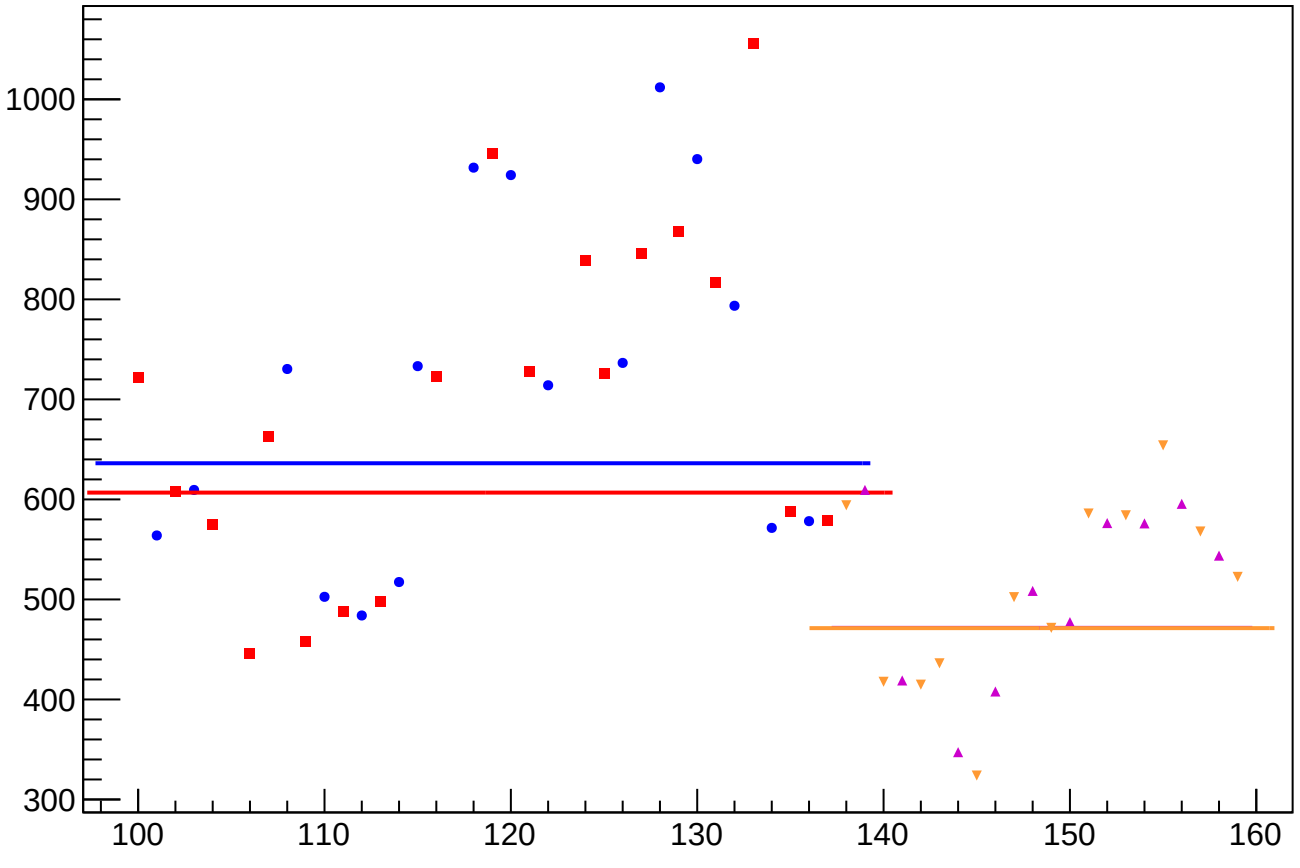
Left: 307.674+/-112.896 χ^2/NDF: 52.4/21

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -73.821+/-135.659 χ^2/NDF:29.8/25

Out: 361.633+/-129.204 χ^2/NDF:64.2/30

All: 154.512+/-93.560 χ^2/NDF: 99.4/56



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 471.303+/-0.111 χ^2/NDF:776830.6/11

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 471.572+/-0.115 χ^2/NDF:606989.0/9

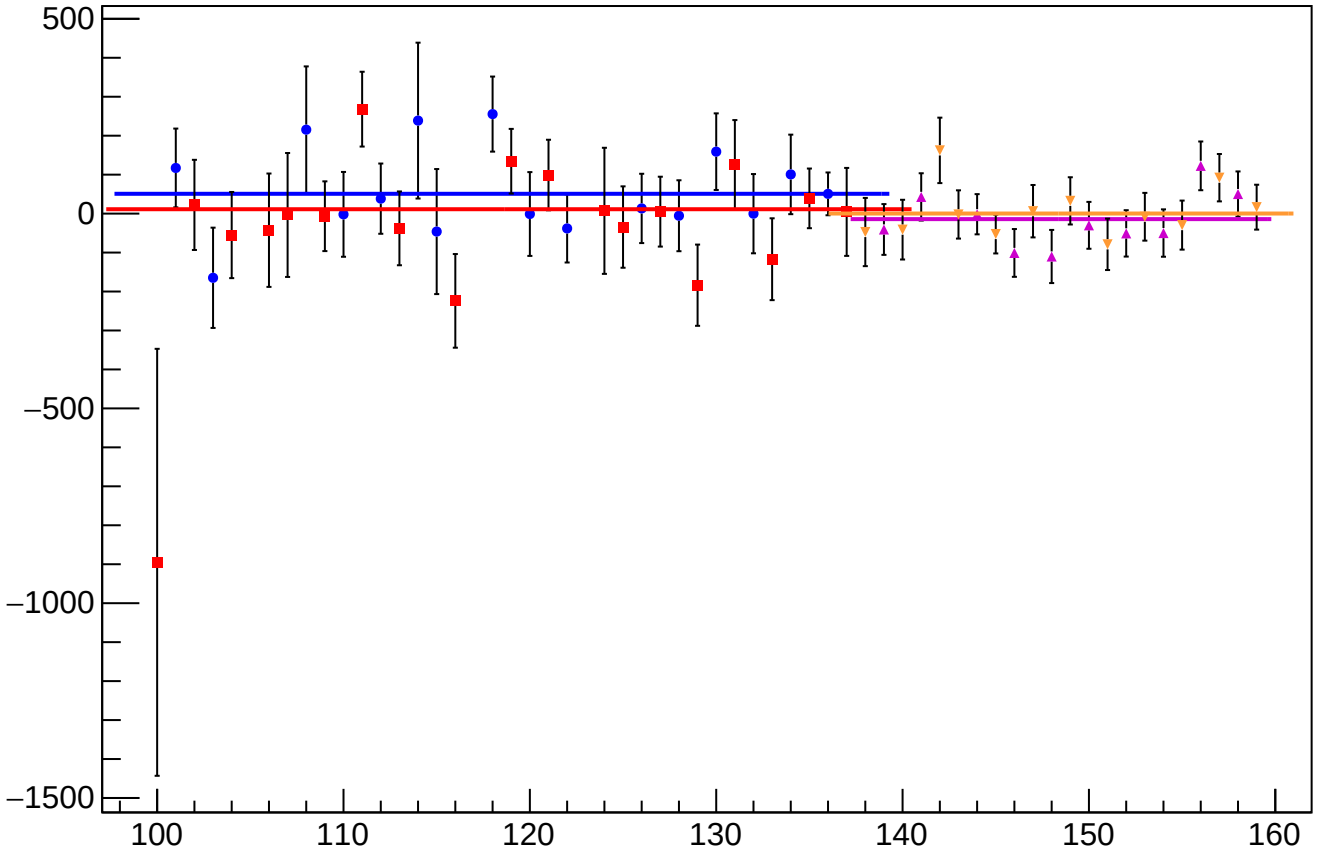
Left: 471.431+/-0.080 χ^2/NDF: 1383822.5/21

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 522.528+/-0.096 χ^2/NDF:1941397.8/25

Out: 514.182+/-0.091 χ^2/NDF:2146523.1/30

All: 518.152+/-0.066 χ^2/NDF: 4091889.9/56



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 0.200+/-18.508 χ^2/NDF:9.8/11

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.160+/-19.084 χ^2/NDF:11.9/9

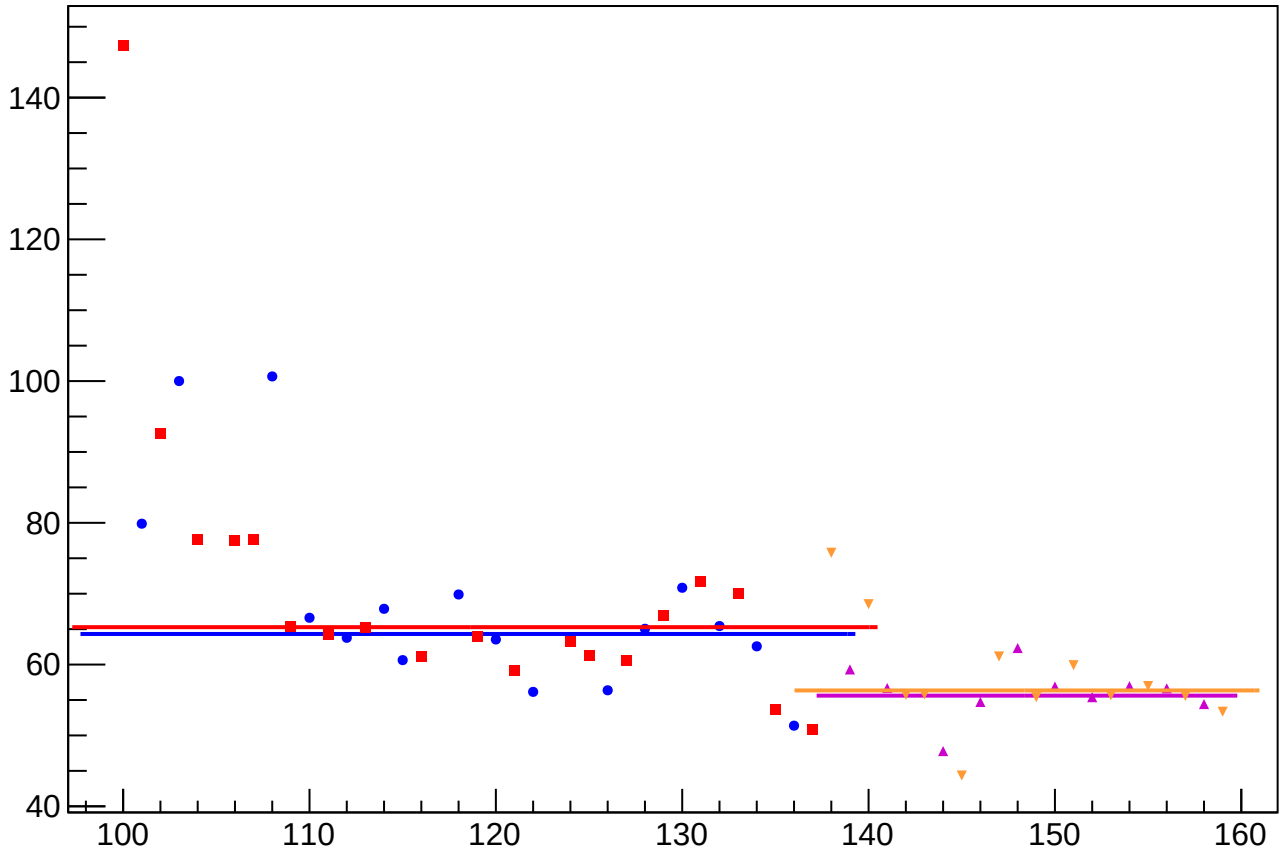
Left: -6.760+/-13.286 χ^2/NDF: 22.0/21

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 10.403+/-15.054 χ^2/NDF:30.1/25

Out: 4.255+/-14.729 χ^2/NDF:33.9/30

All: 7.262+/-10.528 χ^2/NDF: 64.1/56



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.348+/-0.013 χ^2/NDF:288129.2/11

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.615+/-0.013 χ^2/NDF:76150.2/9

Left: 55.993+/-0.009 χ^2/NDF: 365797.7/21

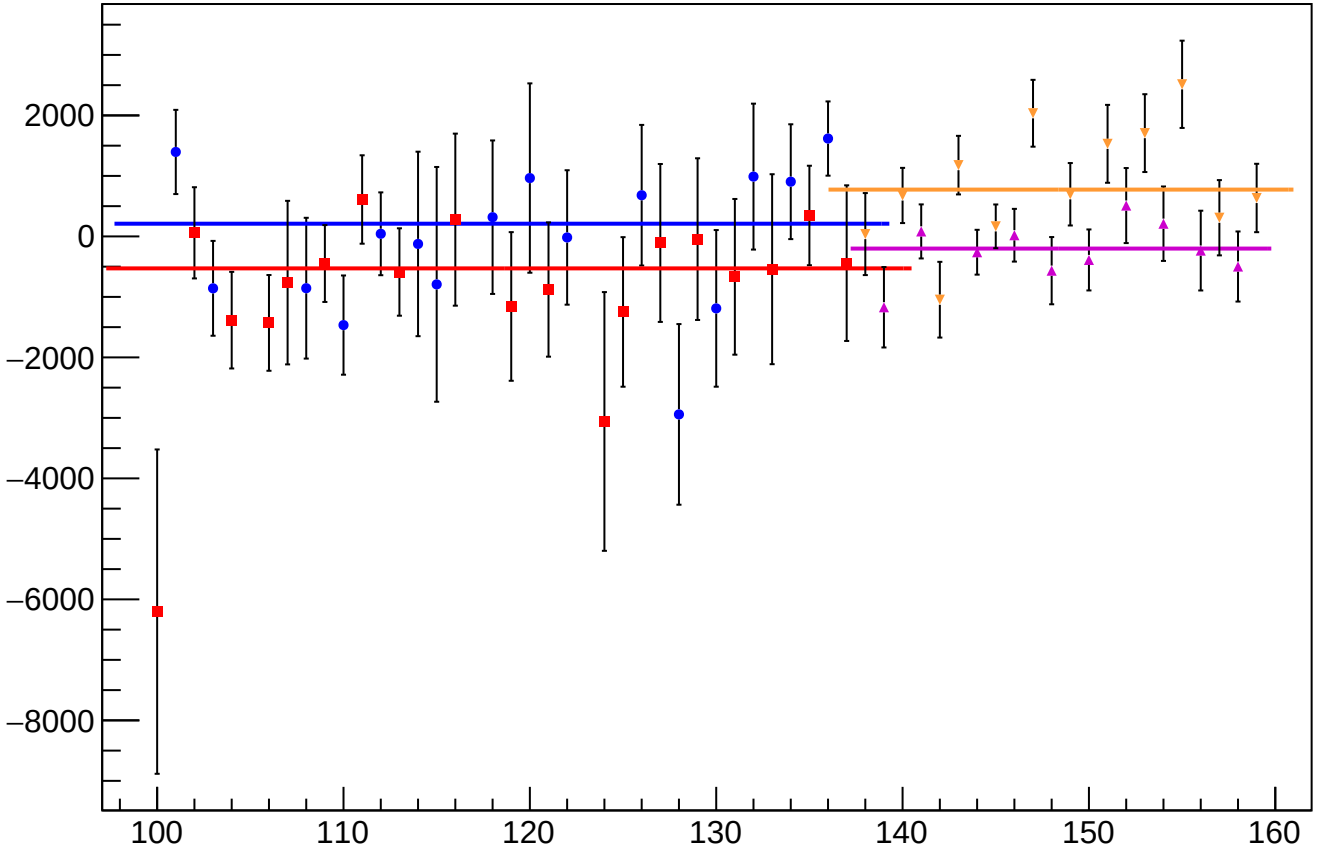
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.903+/-0.011 χ^2/NDF:698173.8/25

Out: 59.622+/-0.010 χ^2/NDF:777969.3/30

All: 59.270+/-0.007 χ^2/NDF: 1478476.1/56

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: 773.808+/-156.276 χ^2/NDF:28.4/11

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -201.119+/-163.270 χ^2/NDF:5.4/9

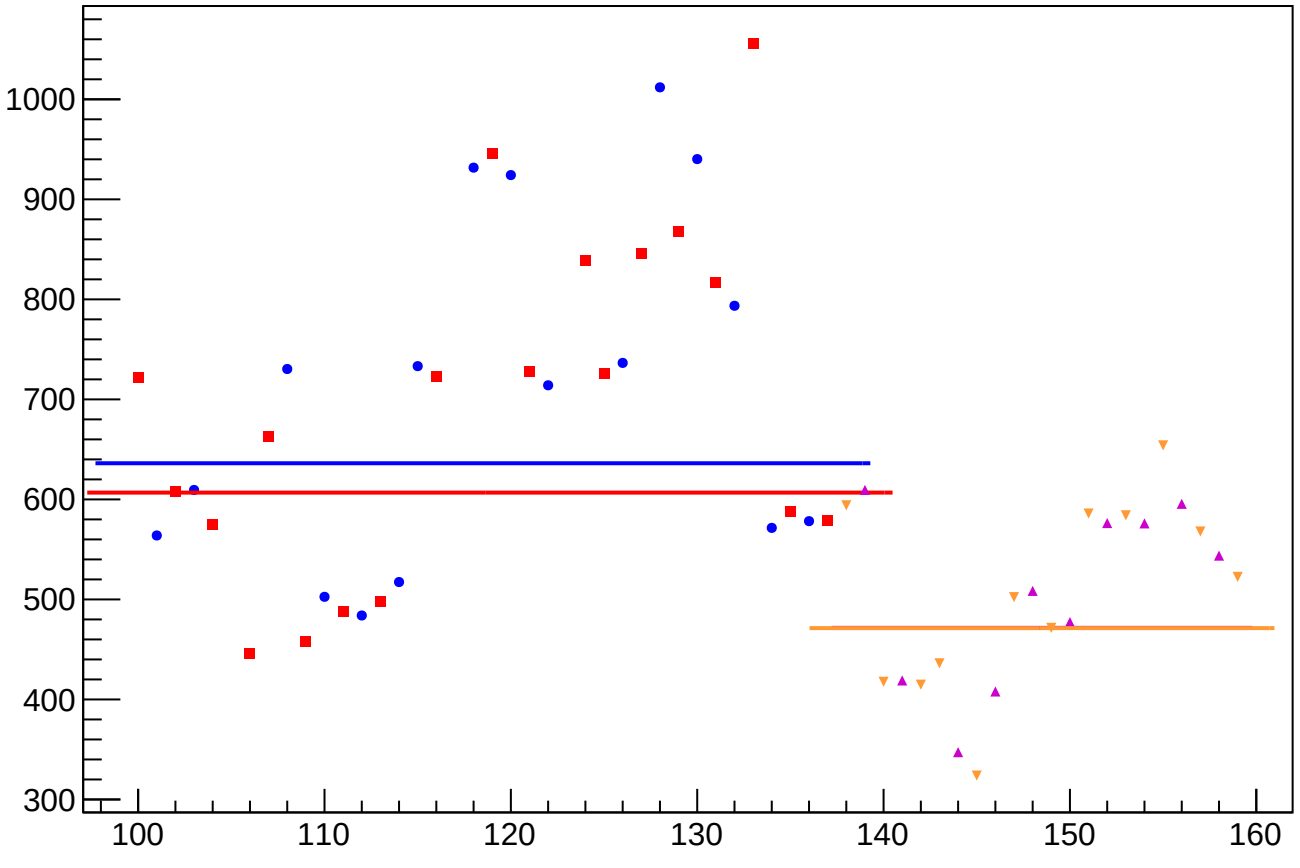
Left: 307.673+/-112.895 χ^2/NDF: 52.4/21

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -73.821+/-135.659 χ^2/NDF:29.8/25

Out: 361.632+/-129.204 χ^2/NDF:64.2/30

All: 154.512+/-93.560 χ^2/NDF: 99.4/56



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 471.302+/-0.111 χ^2/NDF:776837.5/11

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 471.571+/-0.115 χ^2/NDF:606989.6/9

Left: 471.430+/-0.080 χ^2/NDF: 1383829.9/21

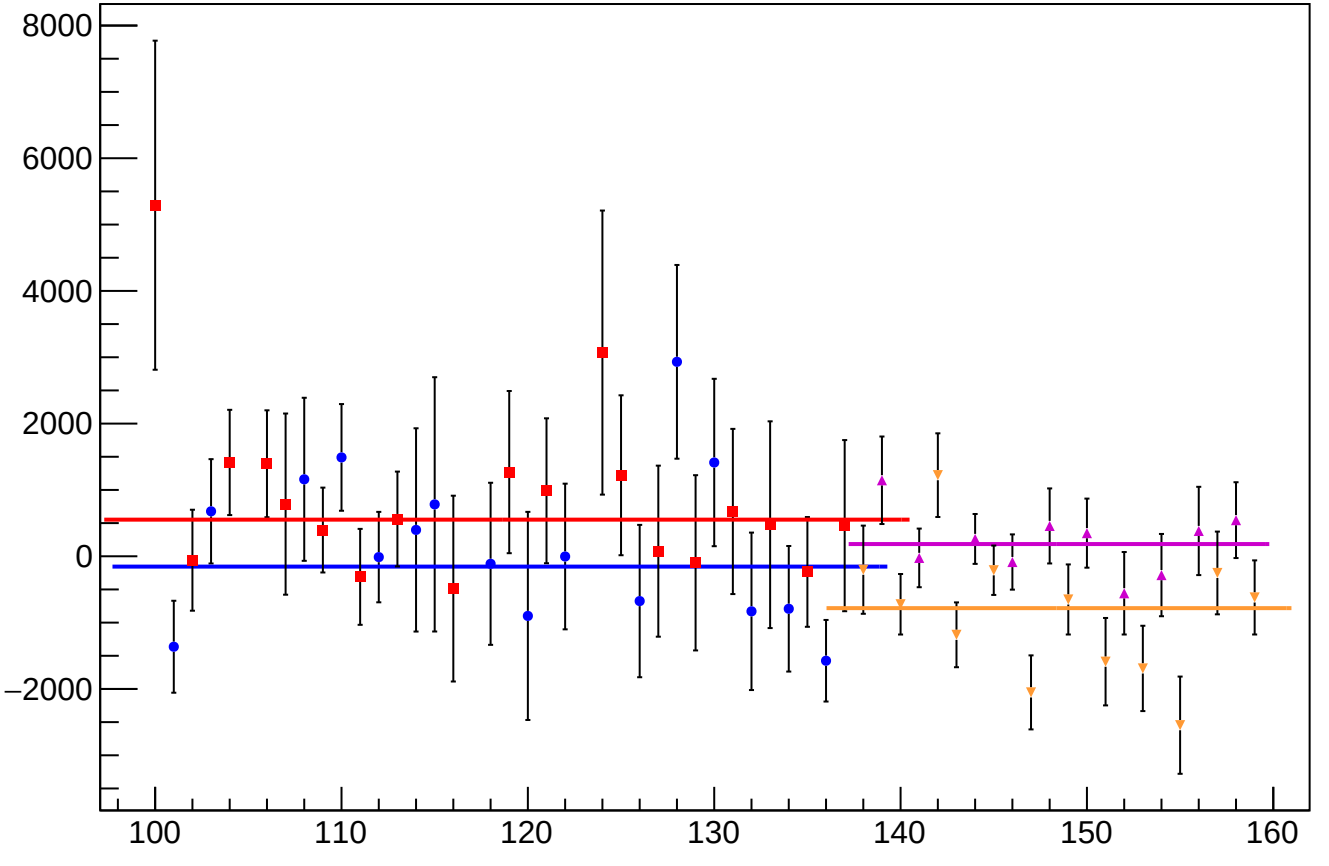
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 522.527+/-0.096 χ^2/NDF:1941402.7/25

Out: 514.181+/-0.091 χ^2/NDF:2146535.4/30

All: 518.151+/-0.066 χ^2/NDF: 4091907.3/56

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -781.801+/-157.815 χ^2/NDF:29.3/11

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 184.263+/-163.114 χ^2/NDF:5.6/9

Left: -314.714+/-113.419 χ^2/NDF: 53.0/21

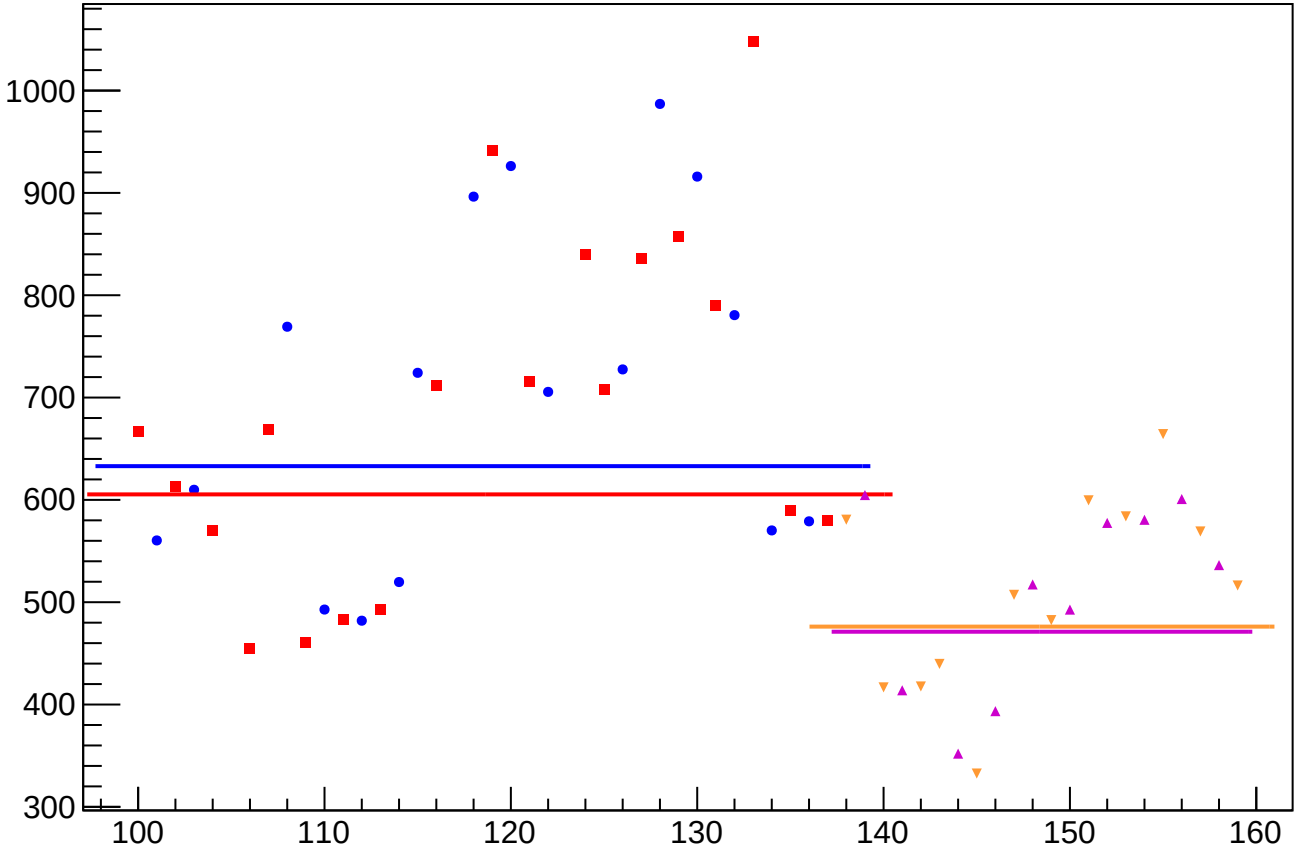
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 78.437+/-135.361 χ^2/NDF:29.5/25

Out: -351.980+/-129.926 χ^2/NDF:64.4/30

All: -145.587+/-93.734 χ^2/NDF: 99.1/56

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 476.148+/-0.112 χ^2/NDF:728894.4/11

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 471.152+/-0.115 χ^2/NDF:625366.2/9

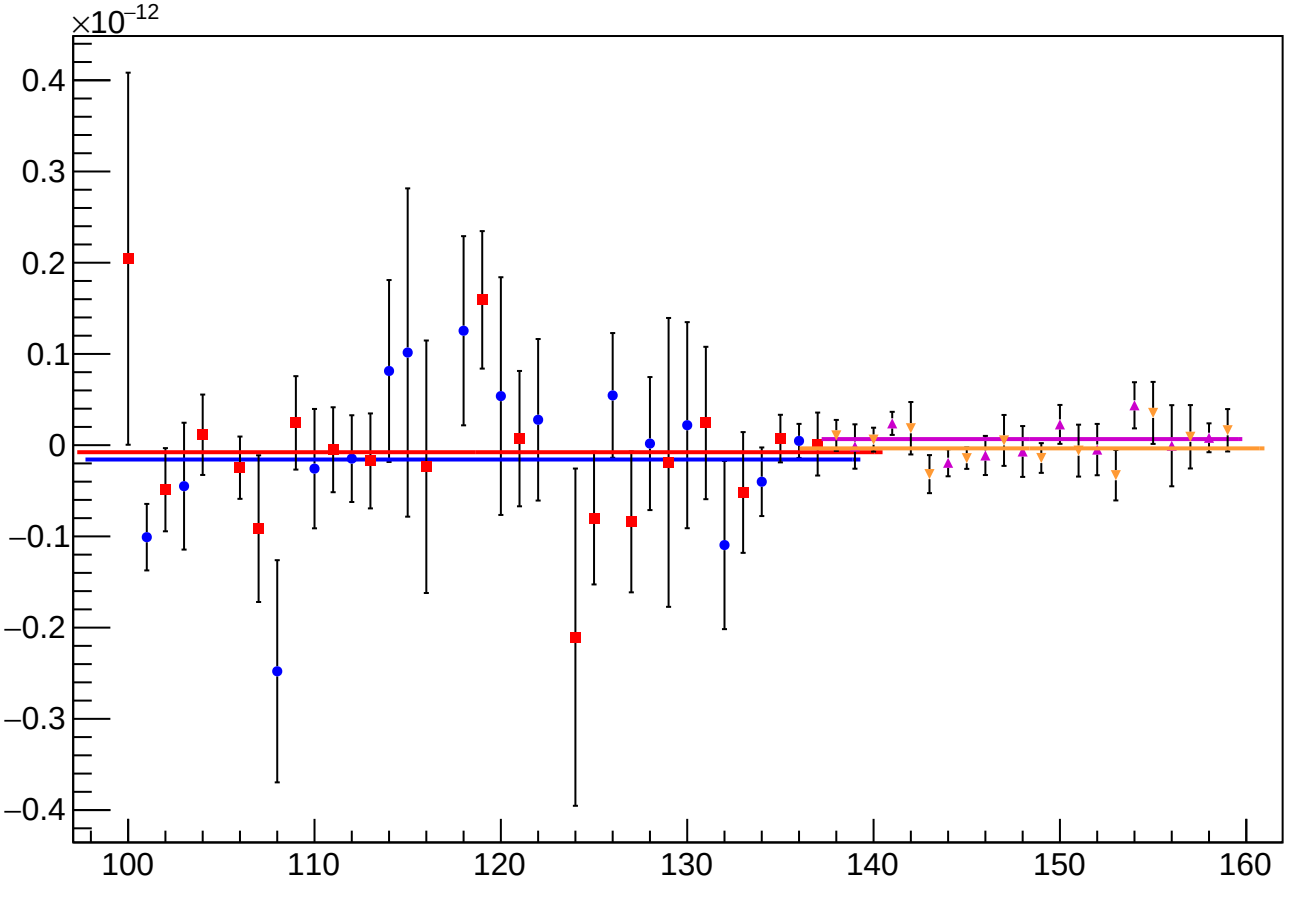
Left: 473.732+/-0.080 χ^2/NDF: 1355229.7/21

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 521.530+/-0.096 χ^2/NDF:1919292.1/25

Out: 517.785+/-0.092 χ^2/NDF:2014973.1/30

All: 519.581+/-0.066 χ^2/NDF: 3935061.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

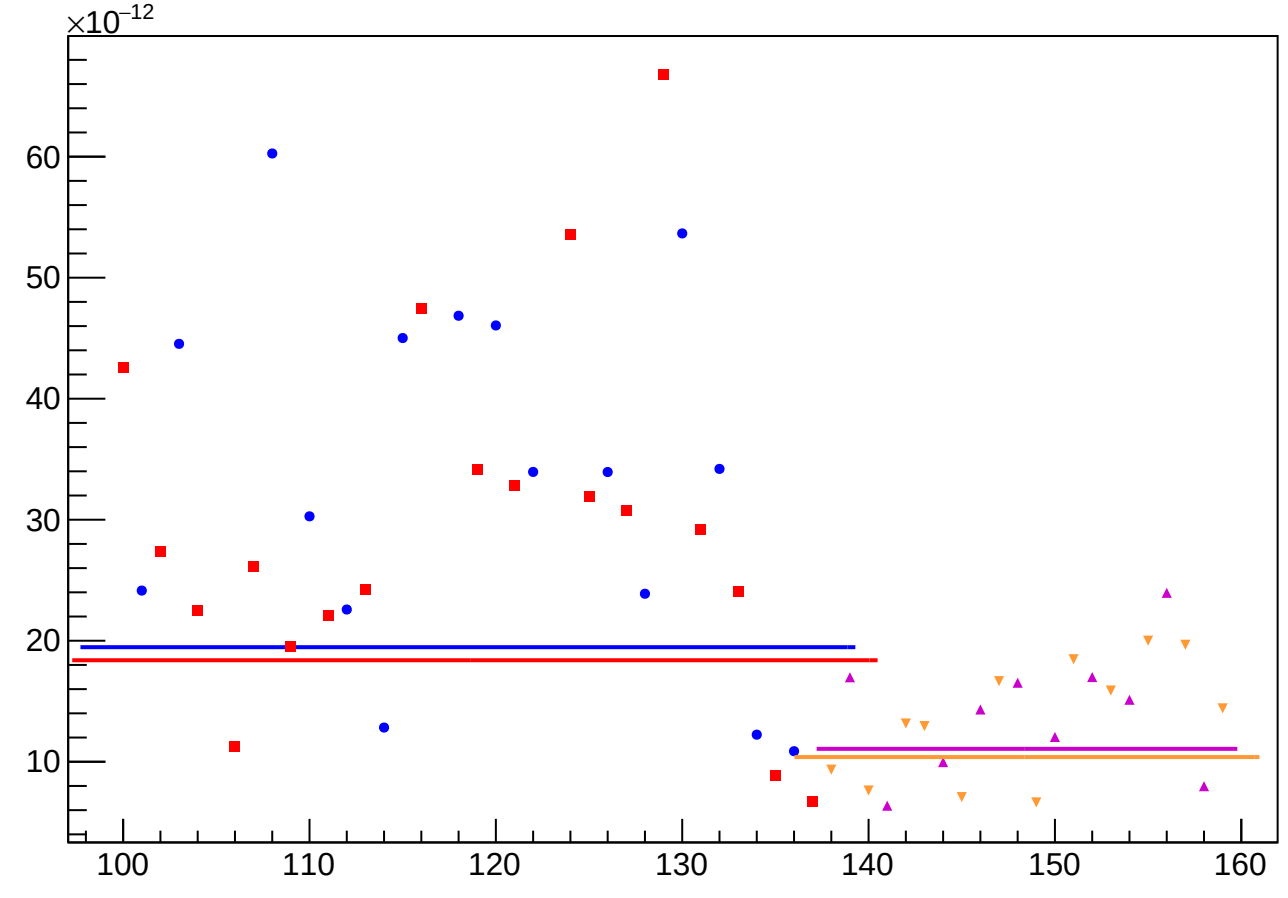
Left: 0.000+/-0.000 χ^2/NDF: 18.7/21

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

In: 0.000+/-0.000 χ^2/NDF:28.3/25

Out: -0.000+/-0.000 χ^2/NDF:21.4/30

All: -0.000+/-0.000 χ^2/NDF: 50.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114489.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:916443.8/9

Left: 0.000+/-0.000 χ^2/NDF: 2043871.5/21

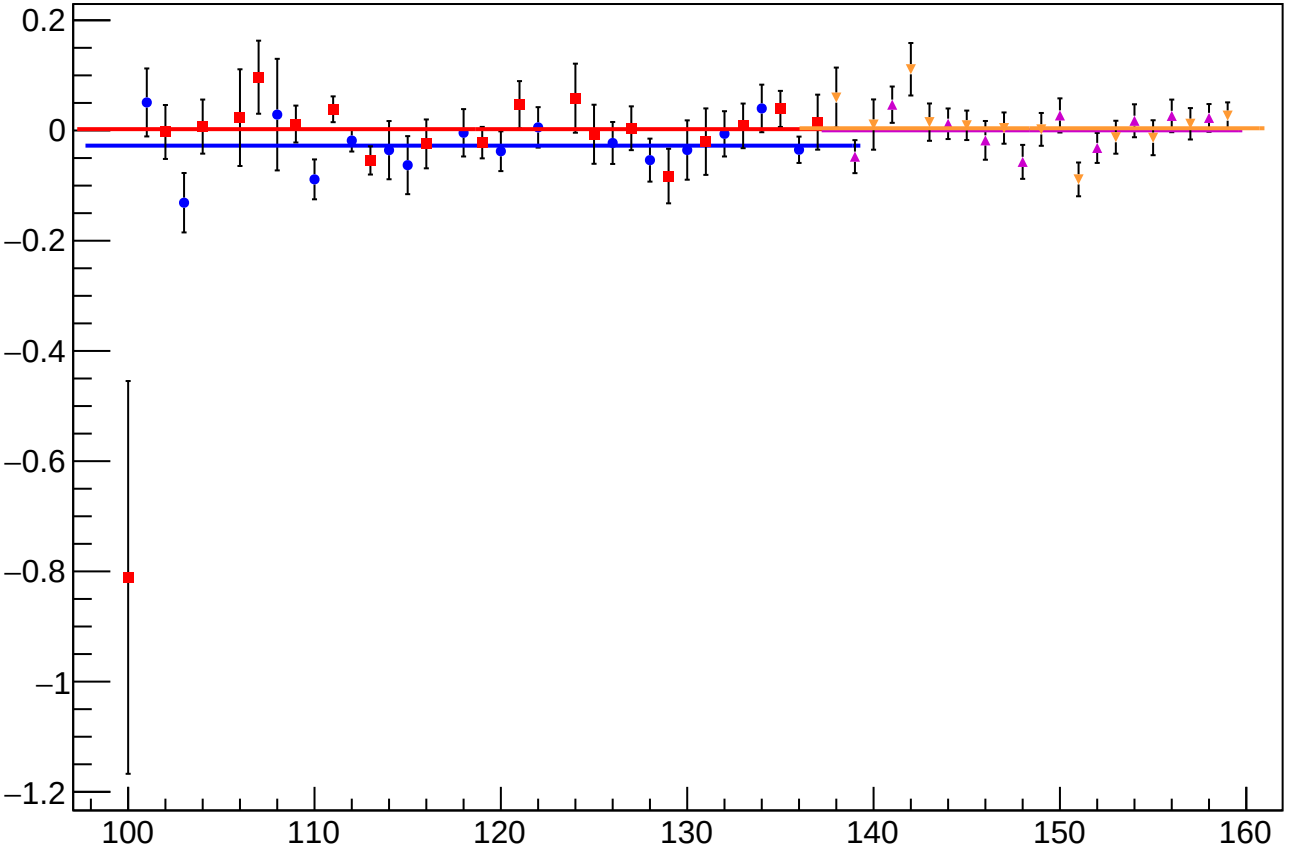
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3363907.6/25

Out: 0.000+/-0.000 χ^2/NDF:3270636.5/30

All: 0.000+/-0.000 χ^2/NDF: 6663813.2/56

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.009 χ^2/NDF:17.0/11

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

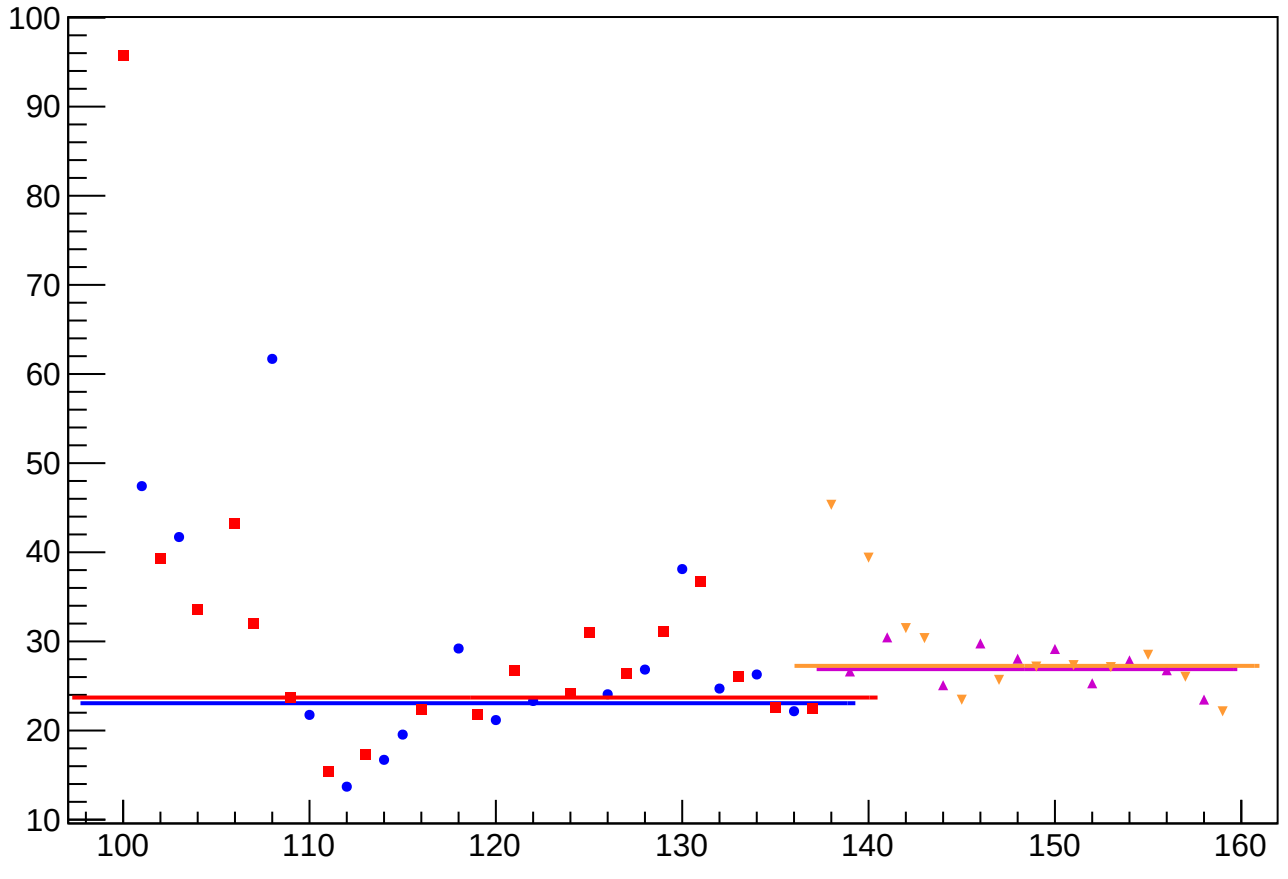
Left: 0.002+/-0.007 χ^2/NDF: 29.6/21

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.005+/-0.005 χ^2/NDF: 73.0/56



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.256+/-0.006 χ^2/NDF:537488.1/11

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

Left: 27.078+/-0.005 χ^2/NDF: 643964.8/21

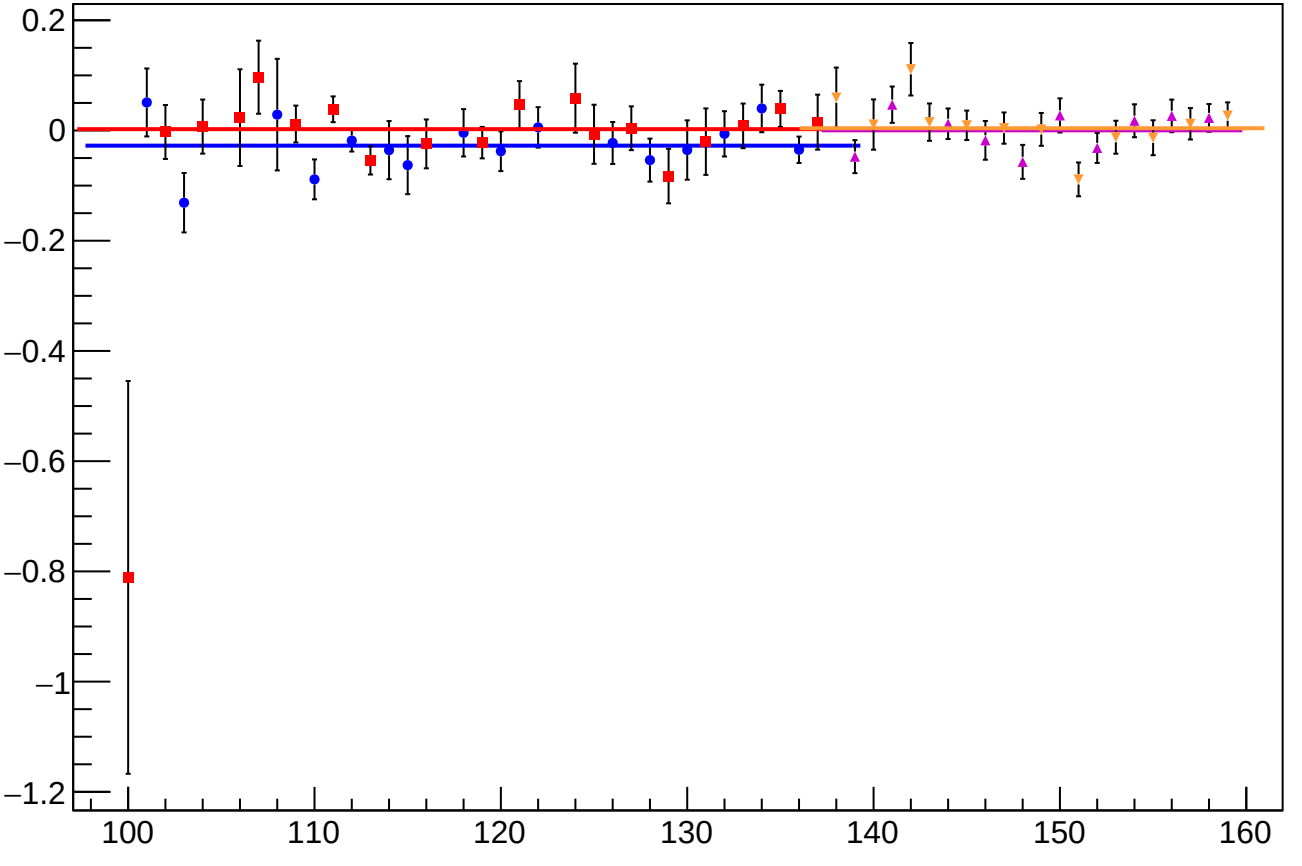
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.986+/-0.005 χ^2/NDF:1835854.9/25

Out: 25.513+/-0.005 χ^2/NDF:1775082.0/30

All: 25.255+/-0.003 χ^2/NDF: 3617378.6/56

asym_sam_15_48_dd_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+/-0.009 χ^2/NDF:17.0/11

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

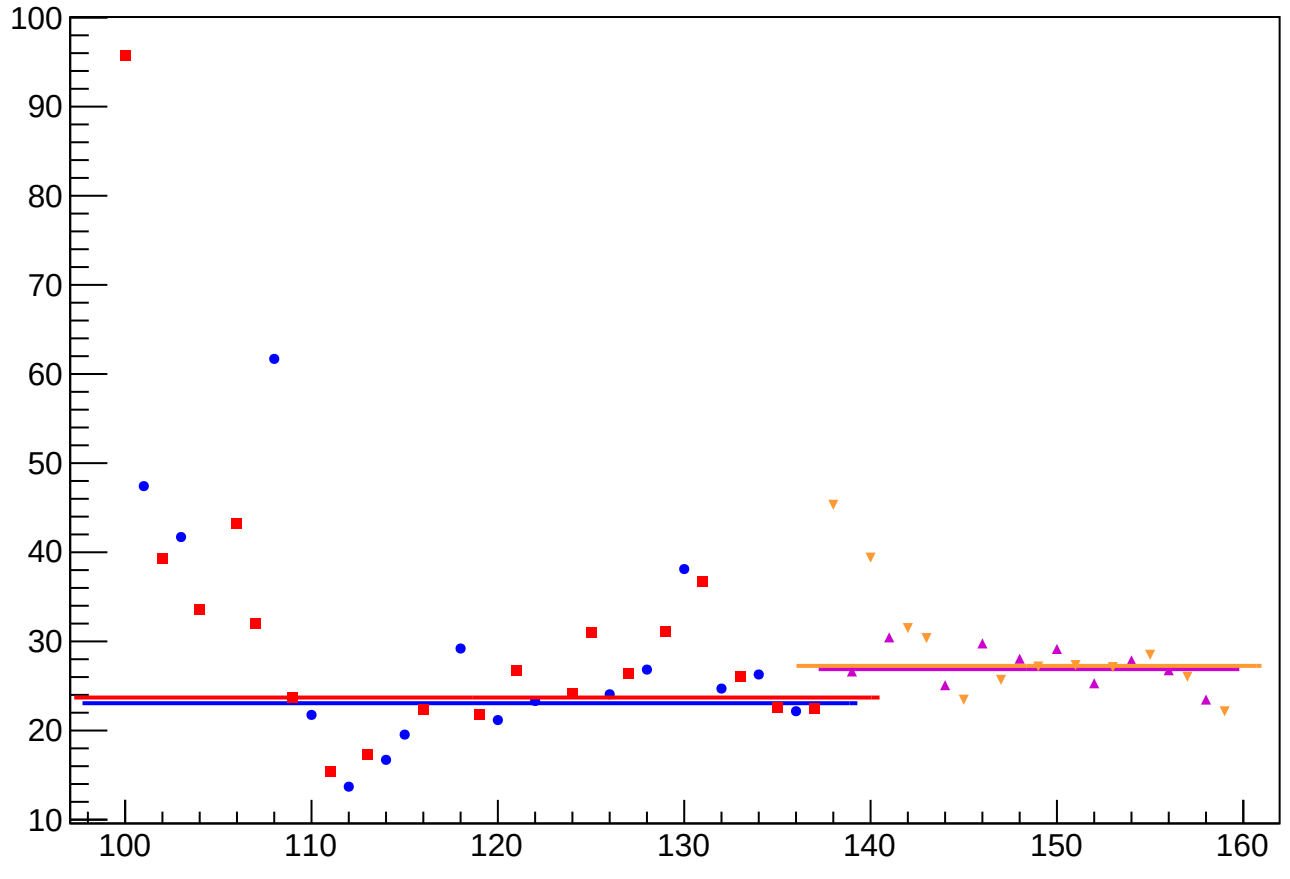
Left: 0.002+/-0.007 χ^2/NDF: 29.6/21

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.005+/-0.005 χ^2/NDF: 73.0/56



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.256+/-0.006 χ^2/NDF:537488.1/11

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

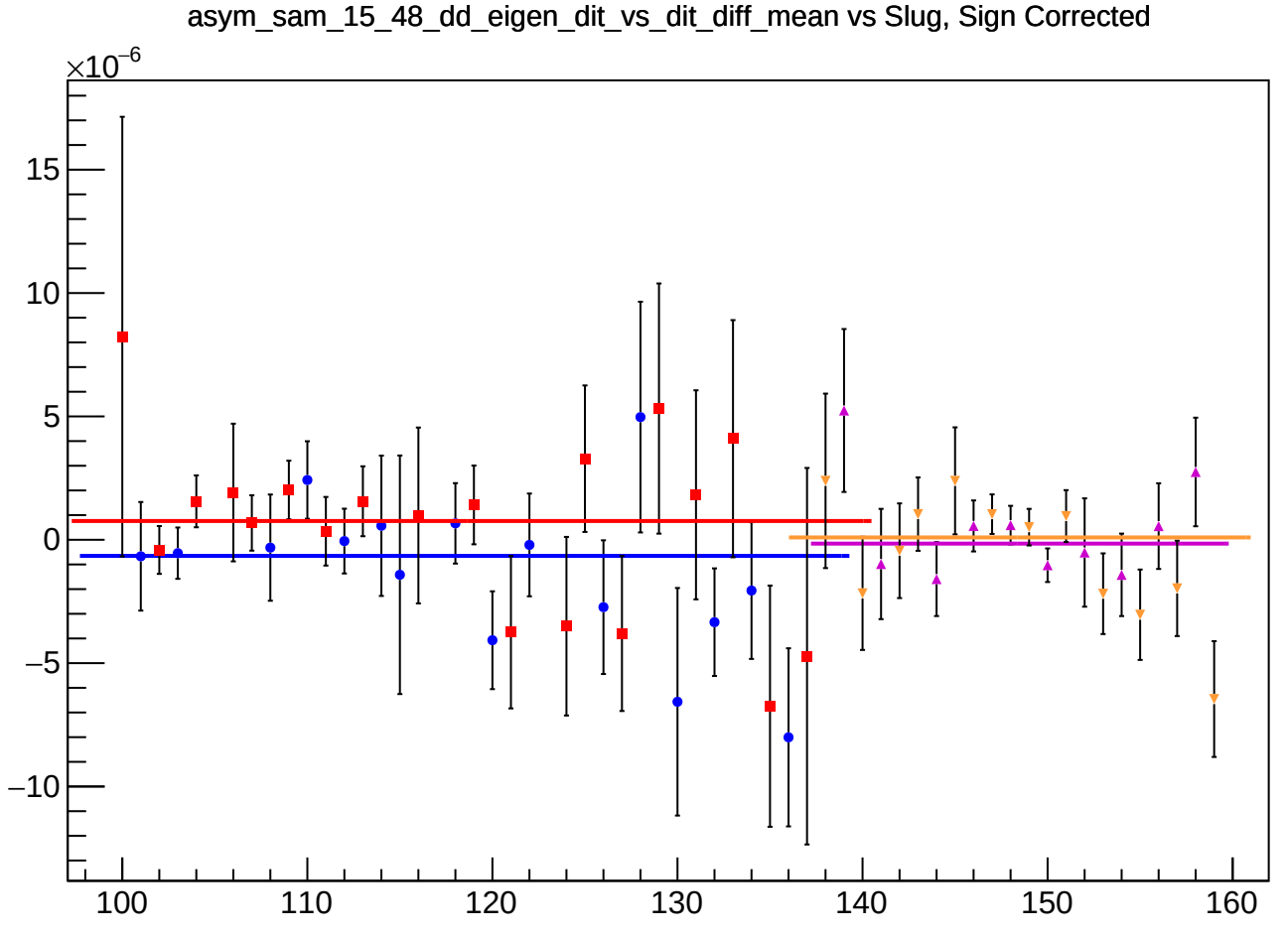
Left: 27.078+/-0.005 χ^2/NDF: 643964.8/21

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.986+/-0.005 χ^2/NDF:1835854.9/25

Out: 25.513+/-0.005 χ^2/NDF:1775082.0/30

All: 25.255+/-0.003 χ^2/NDF: 3617378.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/9

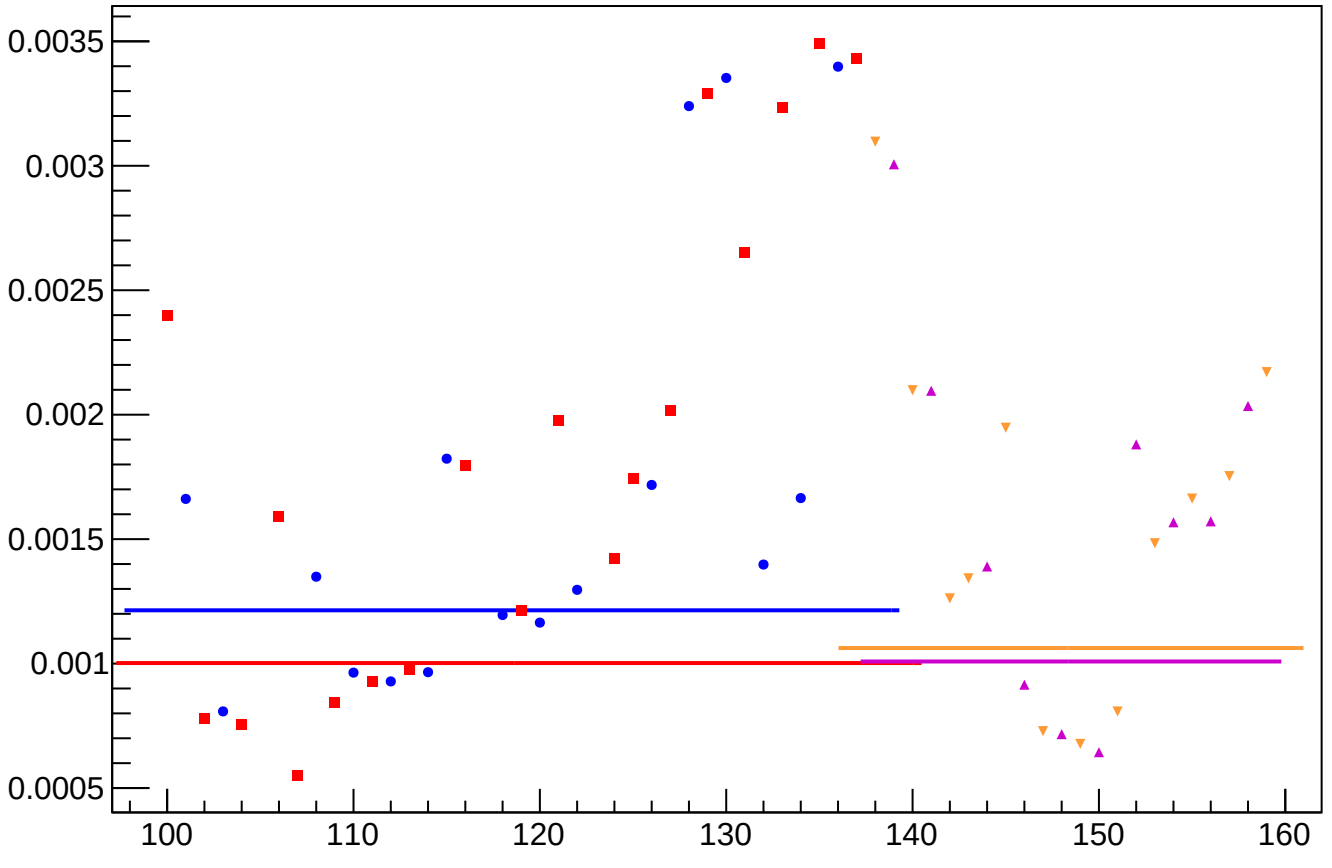
Left: -0.000+/-0.000 χ^2/NDF: 28.7/21

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/25

Out: 0.000+/-0.000 χ^2/NDF:35.7/30

All: 0.000+/-0.000 χ^2/NDF: 66.4/56



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:3548702.3/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3388573.8/9

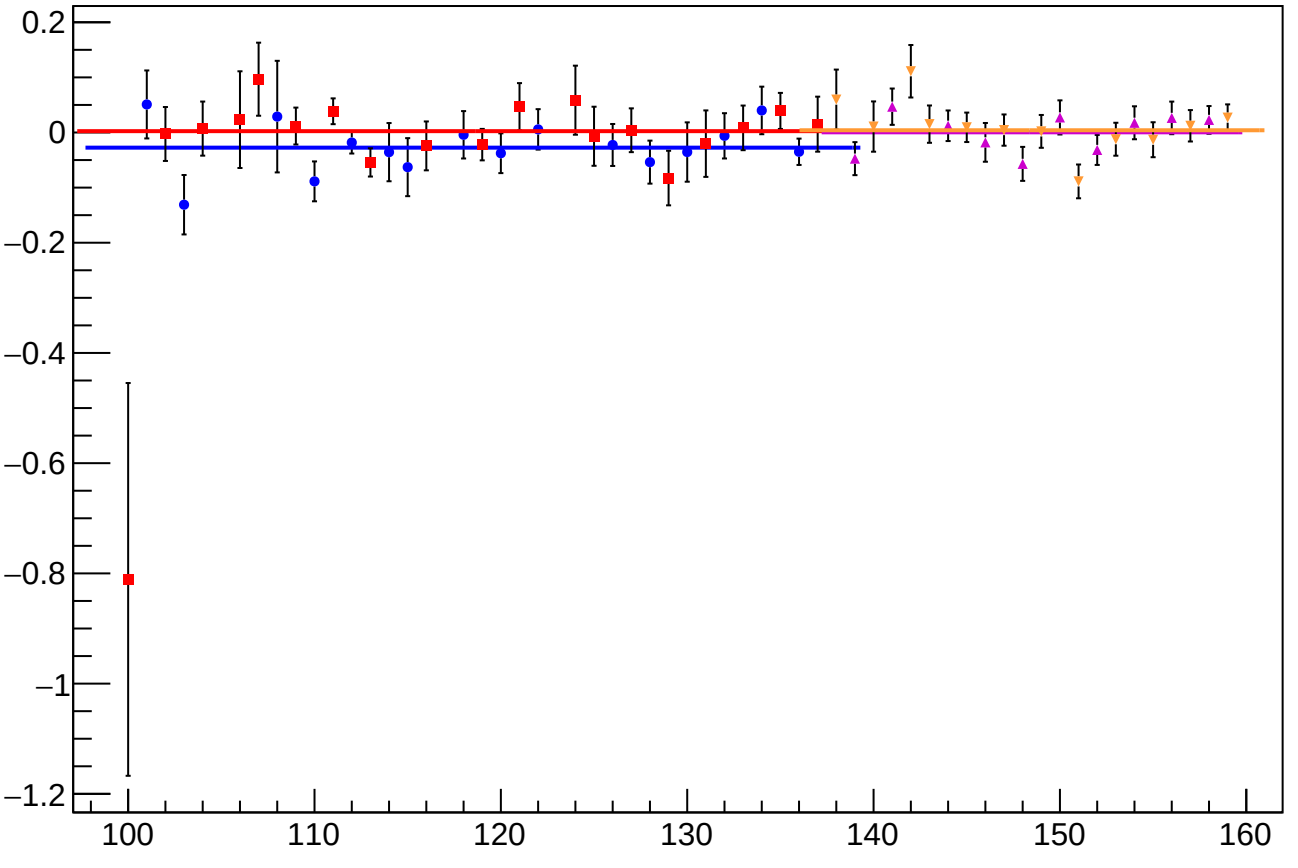
Left: 0.001+/-0.000 χ^2/NDF: 6956541.3/21

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:5866382.9/25

Out: 0.001+/-0.000 χ^2/NDF:6848251.4/30

All: 0.001+/-0.000 χ^2/NDF: 12745127.8/56



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.009 χ^2/NDF:17.0/11

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

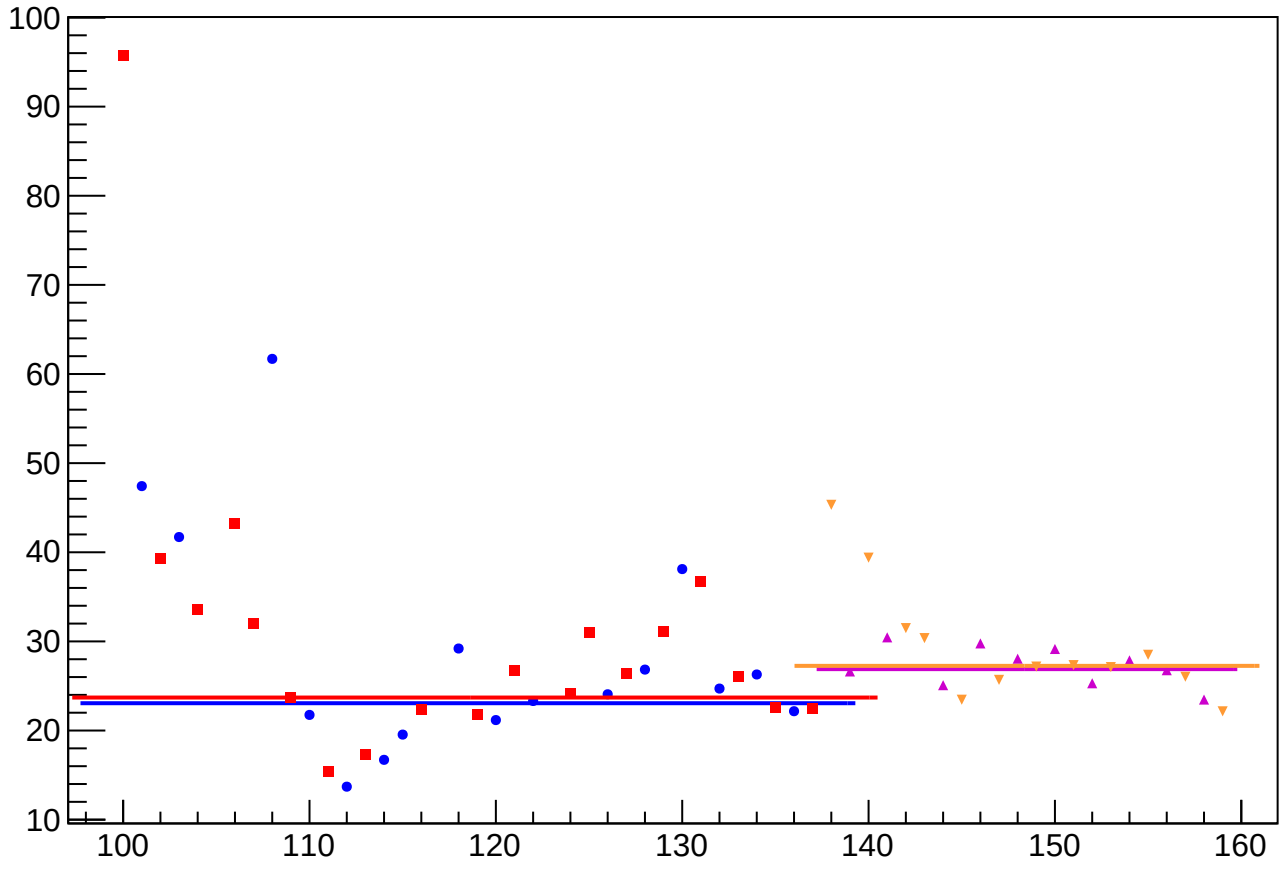
Left: 0.002+/-0.007 χ^2/NDF: 29.6/21

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.005+/-0.005 χ^2/NDF: 73.0/56



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:537443.7/11

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

Left: 27.078+/-0.005 χ^2/NDF: 643907.8/21

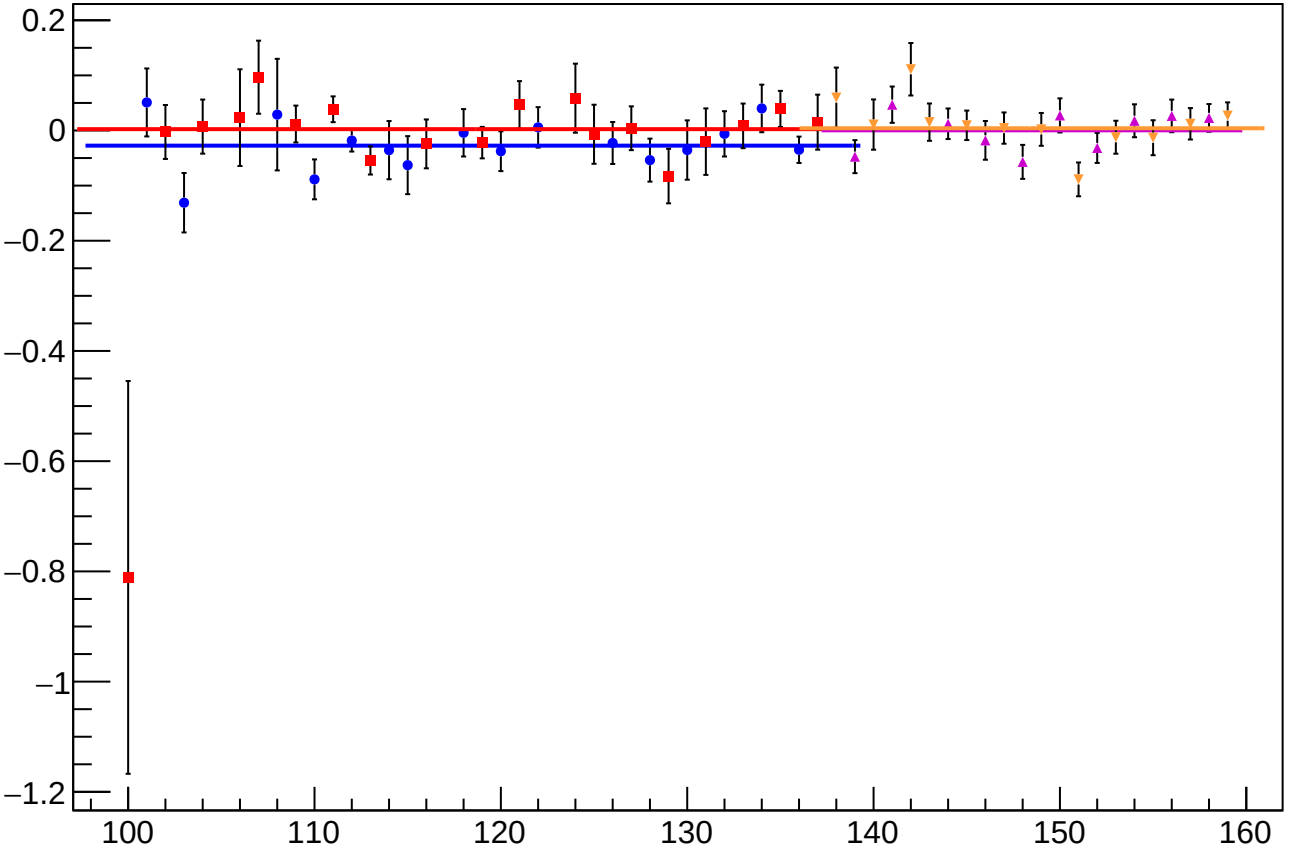
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.986+/-0.005 χ^2/NDF:1835893.7/25

Out: 25.513+/-0.005 χ^2/NDF:1775126.6/30

All: 25.255+/-0.003 χ^2/NDF: 3617463.1/56

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+/-0.009 χ^2/NDF:17.0/11

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

Left: 0.002+/-0.007 χ^2/NDF: 29.6/21

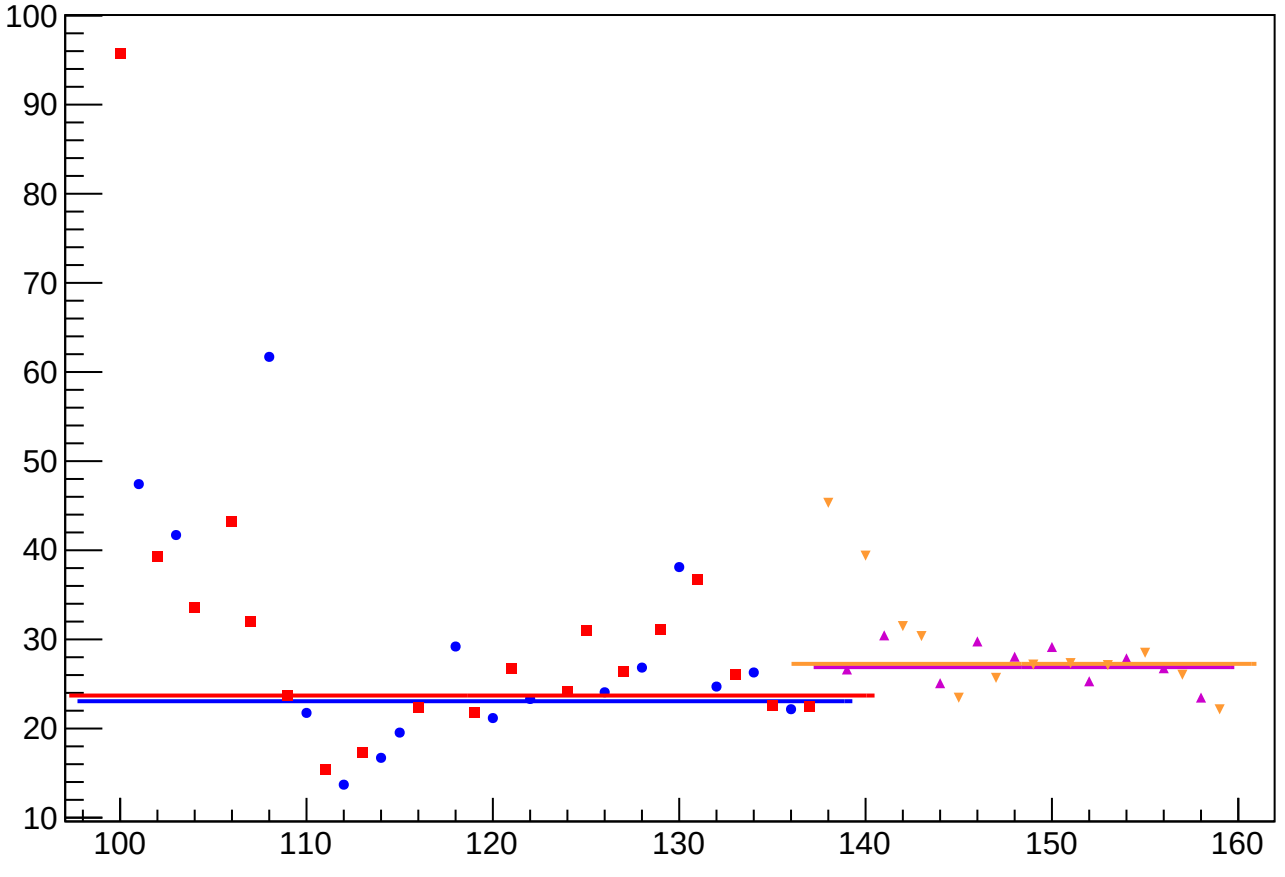
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.005+/-0.005 χ^2/NDF: 73.0/56

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:537443.7/11

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

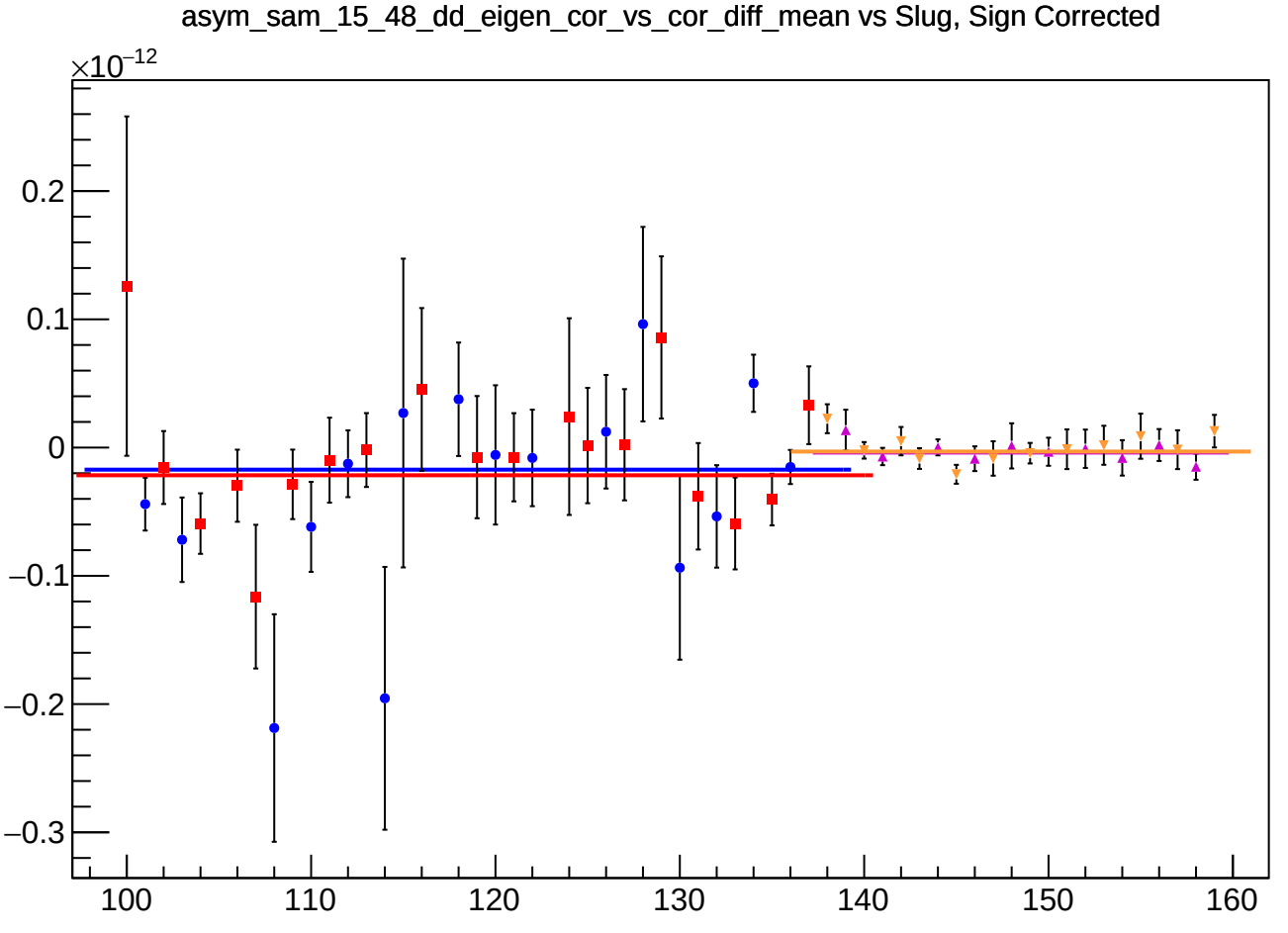
Left: 27.078+/-0.005 χ^2/NDF: 643907.8/21

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.986+/-0.005 χ^2/NDF:1835893.7/25

Out: 25.513+/-0.005 χ^2/NDF:1775126.6/30

All: 25.255+/-0.003 χ^2/NDF: 3617463.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/9

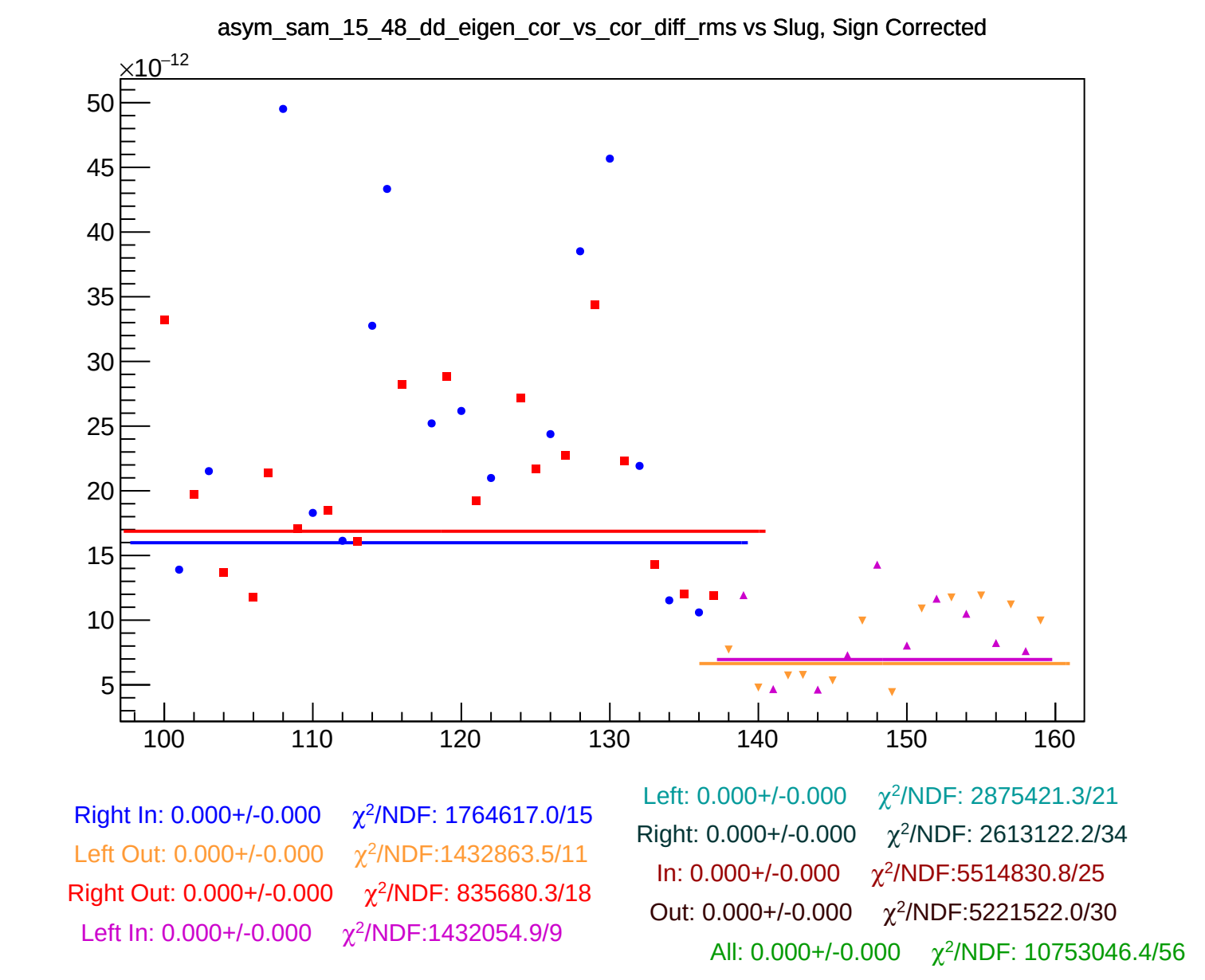
Left: -0.000+/-0.000 χ^2/NDF: 18.0/21

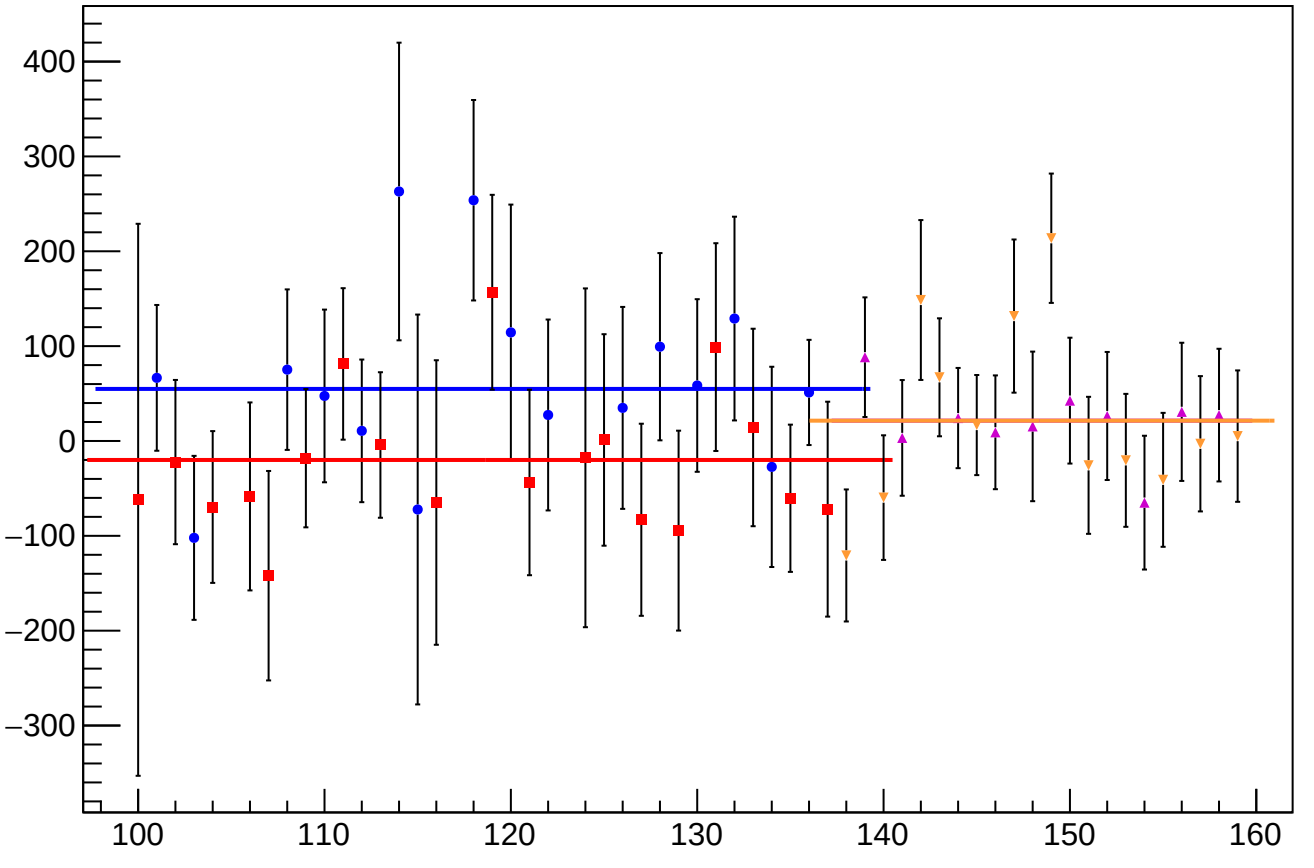
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:36.1/25

Out: -0.000+/-0.000 χ^2/NDF:37.2/30

All: -0.000+/-0.000 χ^2/NDF: 73.3/56


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1432863.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1432054.9/9
Left: 0.000+/-0.000 χ²/NDF: 2875421.3/21
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5514830.8/25
Out: 0.000+/-0.000 χ²/NDF:5221522.0/30
All: 0.000+/-0.000 χ²/NDF: 10753046.4/56



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 21.409+/-19.741 χ^2/NDF:20.1/11

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 21.418+/-20.595 χ^2/NDF:2.9/9

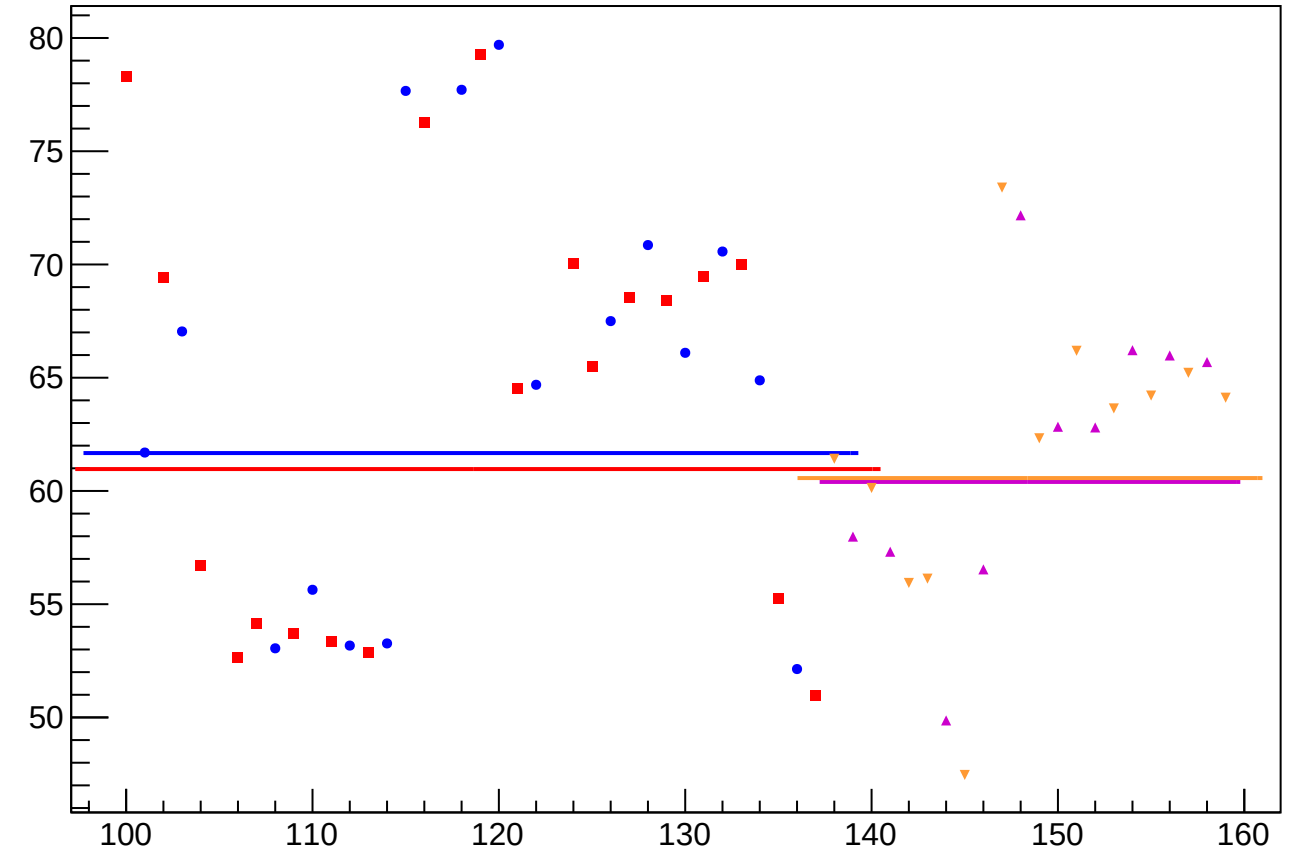
Left: 21.413+/-14.251 χ^2/NDF: 23.0/21

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 36.182+/-15.395 χ^2/NDF:15.1/25

Out: 3.453+/-14.860 χ^2/NDF:31.2/30

All: 19.238+/-10.692 χ^2/NDF: 48.6/56



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.569+/-0.014 χ^2/NDF:226829.8/11

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

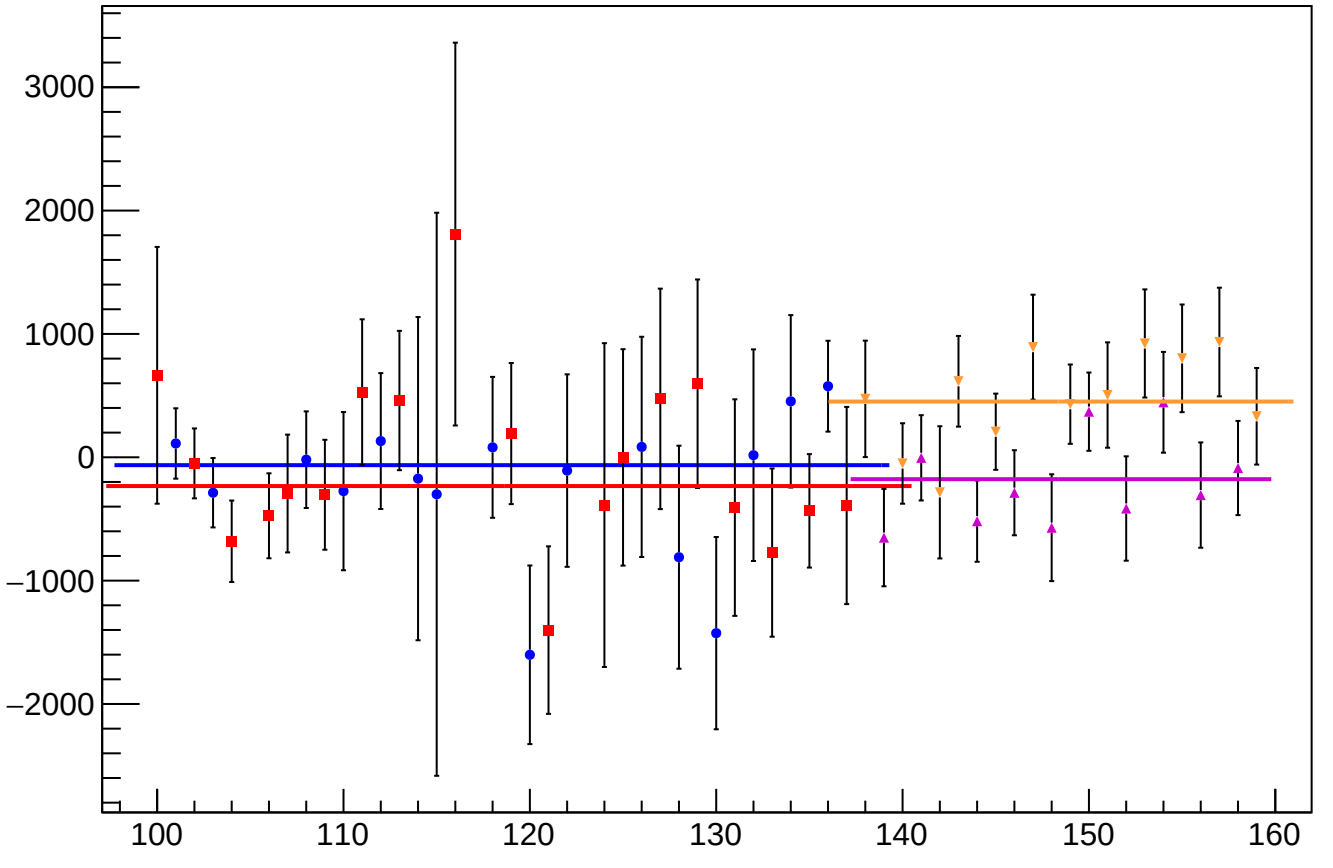
Left: 60.487+/-0.010 χ^2/NDF: 409288.2/21

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.961+/-0.011 χ^2/NDF:452874.5/25

Out: 60.741+/-0.011 χ^2/NDF:511365.0/30

All: 60.847+/-0.008 χ^2/NDF: 964449.9/56



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 451.707+/-113.186 χ^2/NDF:9.3/11

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -177.381+/-118.182 χ^2/NDF:9.4/9

Left: 150.742+/-81.744 χ^2/NDF: 33.5/21

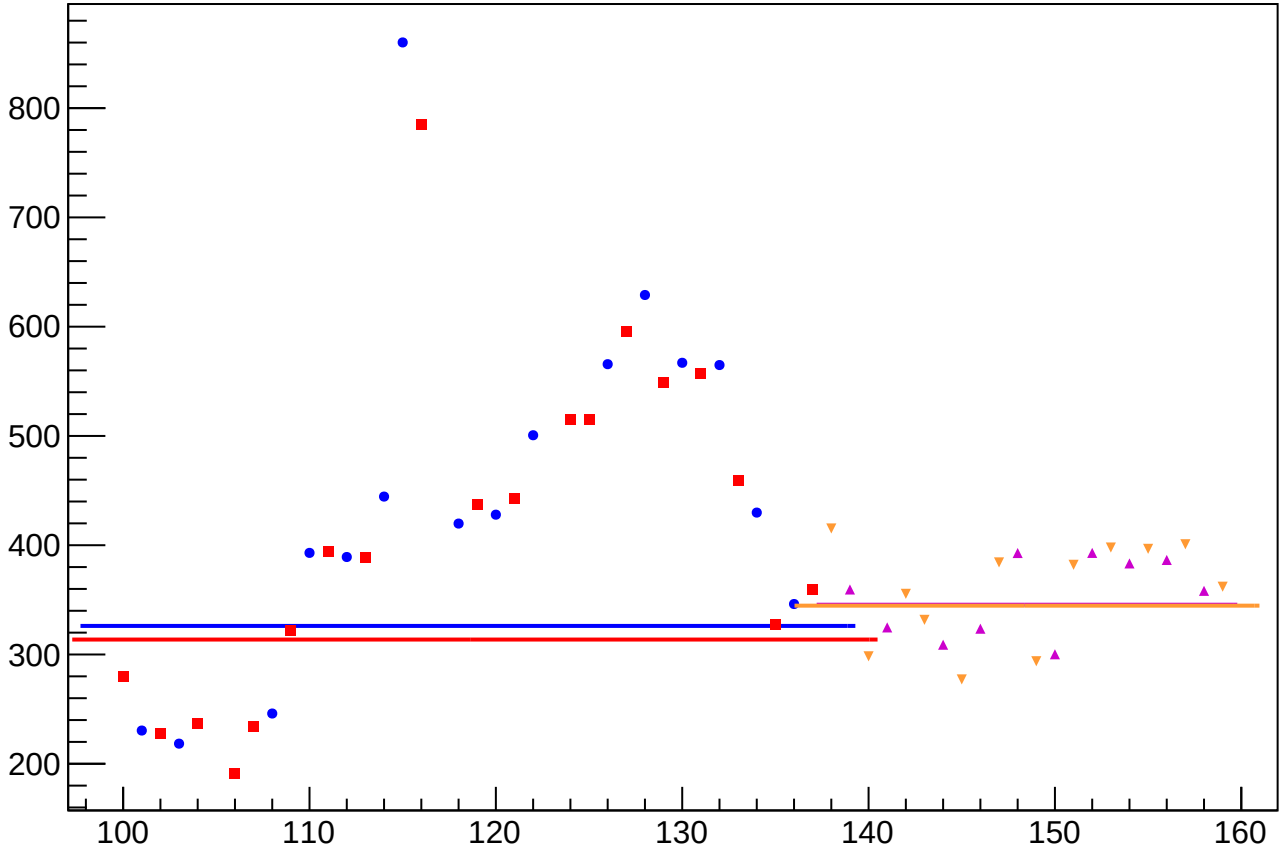
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -125.861+/-87.348 χ^2/NDF:23.1/25

Out: 137.083+/-83.223 χ^2/NDF:40.6/30

All: 11.966+/-60.253 χ^2/NDF: 68.4/56

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 344.690+/-0.080 χ^2/NDF:361043.7/11

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 345.545+/-0.084 χ^2/NDF:170075.5/9

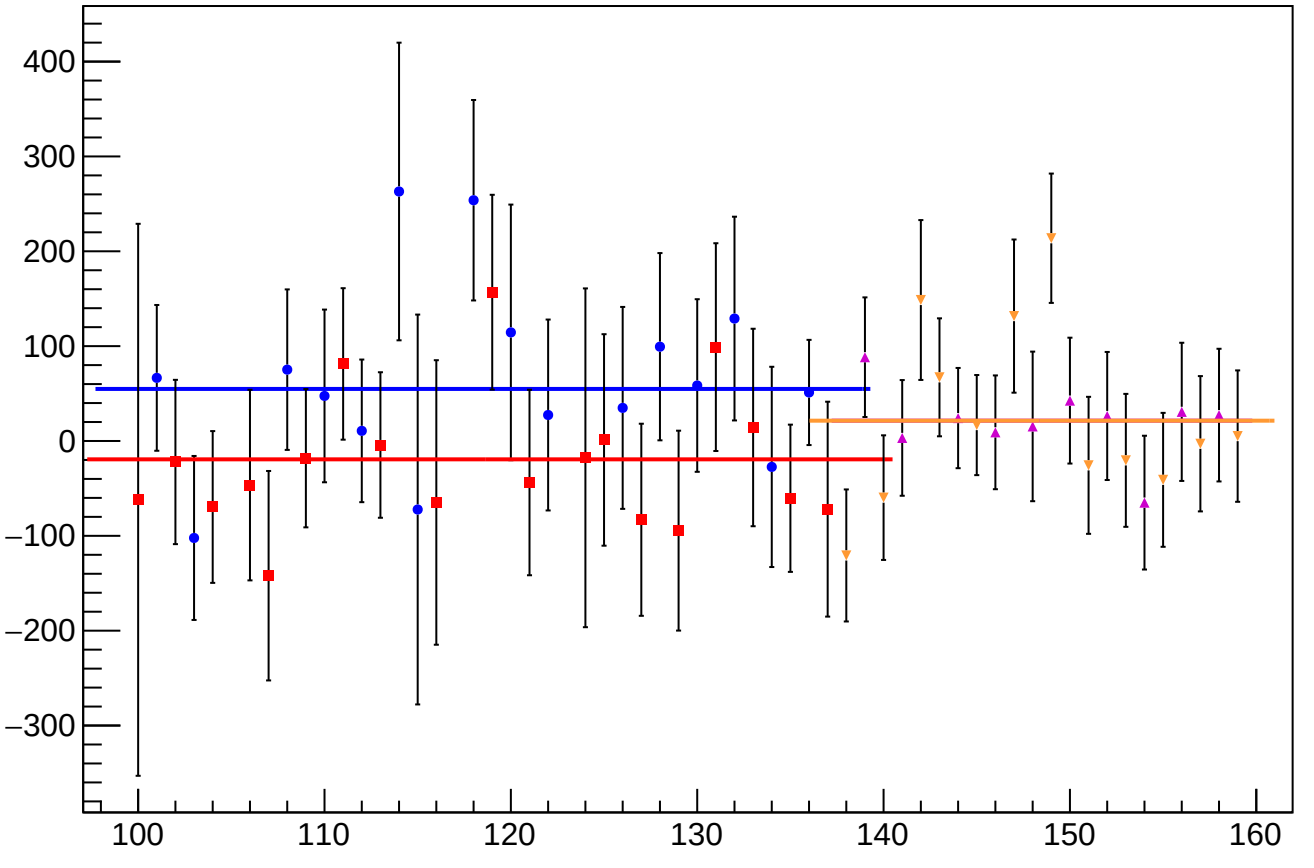
Left: 345.099+/-0.058 χ^2/NDF: 531173.9/21

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 336.744+/-0.062 χ^2/NDF:1928519.1/25

Out: 330.441+/-0.059 χ^2/NDF:2217385.7/30

All: 333.440+/-0.043 χ^2/NDF: 4151362.8/56



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 21.409+/-19.741 χ^2/NDF:20.1/11

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 21.418+/-20.595 χ^2/NDF:2.9/9

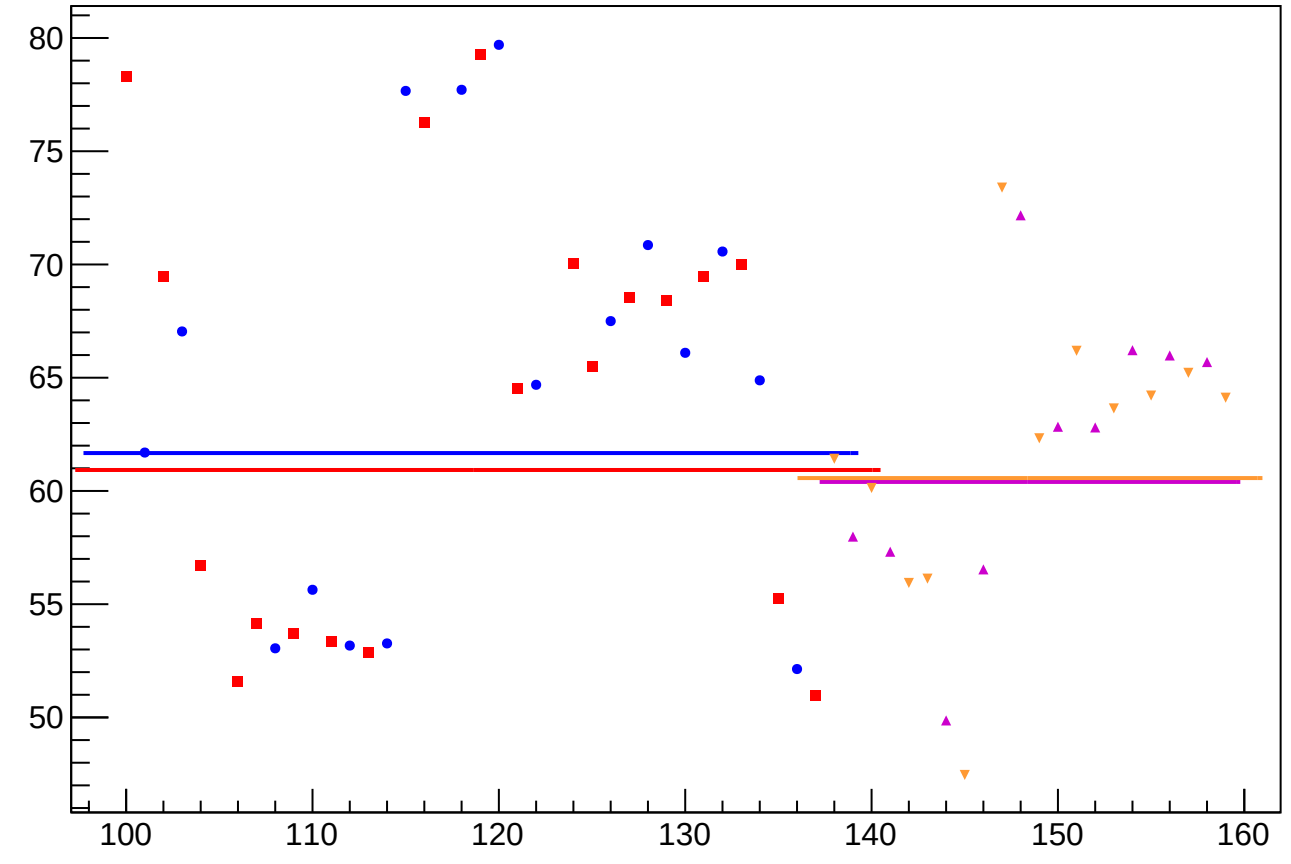
Left: 21.413+/-14.251 χ^2/NDF: 23.0/21

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.179+/-15.395 χ^2/NDF:15.1/25

Out: 3.757+/-14.864 χ^2/NDF:31.1/30

All: 19.399+/-10.693 χ^2/NDF: 48.5/56



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.569+/-0.014 χ^2/NDF:226829.8/11

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

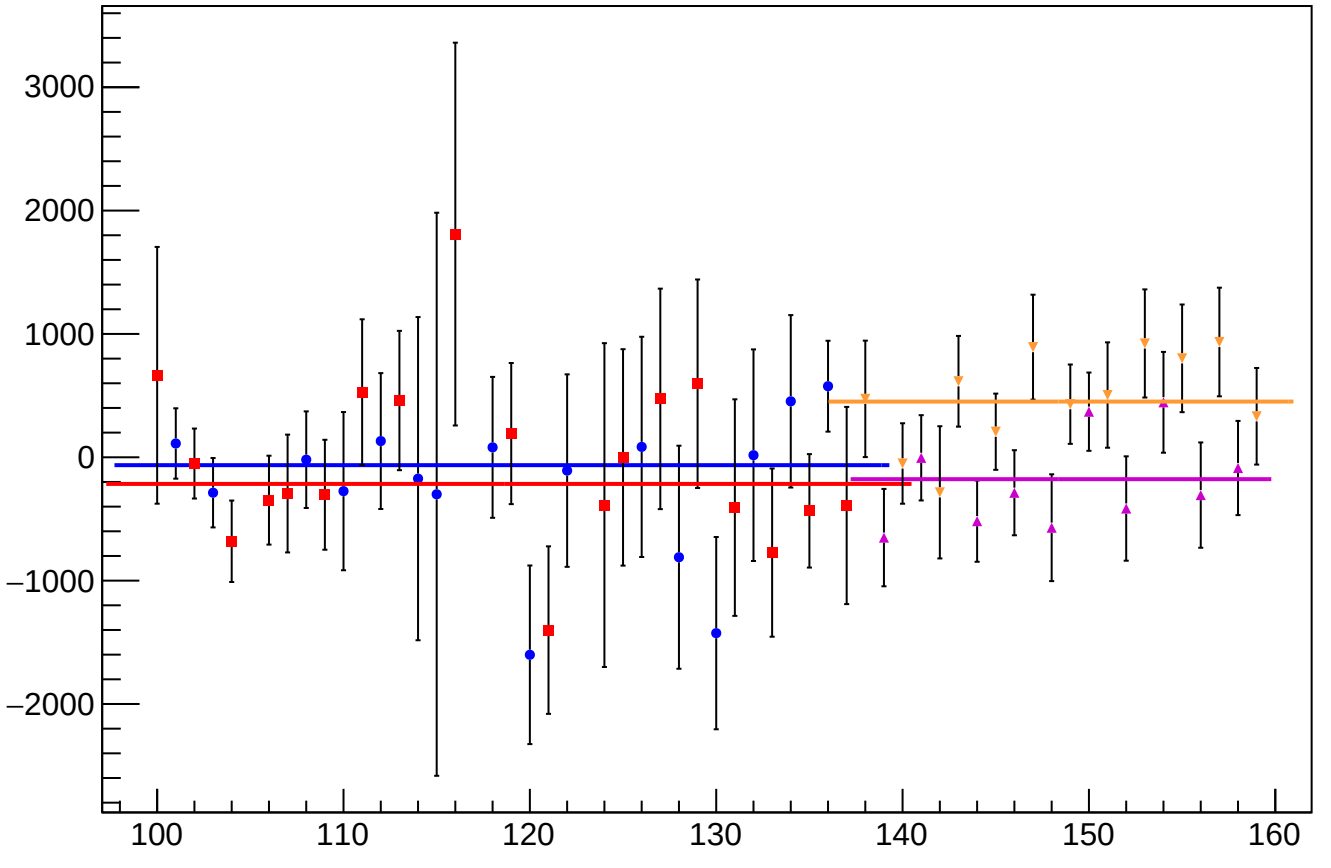
Left: 60.487+/-0.010 χ^2/NDF: 409288.2/21

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.961+/-0.011 χ^2/NDF:452874.8/25

Out: 60.723+/-0.011 χ^2/NDF:514692.5/30

All: 60.838+/-0.008 χ^2/NDF: 967813.2/56



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 451.708+/-113.186 χ^2/NDF:9.3/11

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -177.379+/-118.183 χ^2/NDF:9.4/9

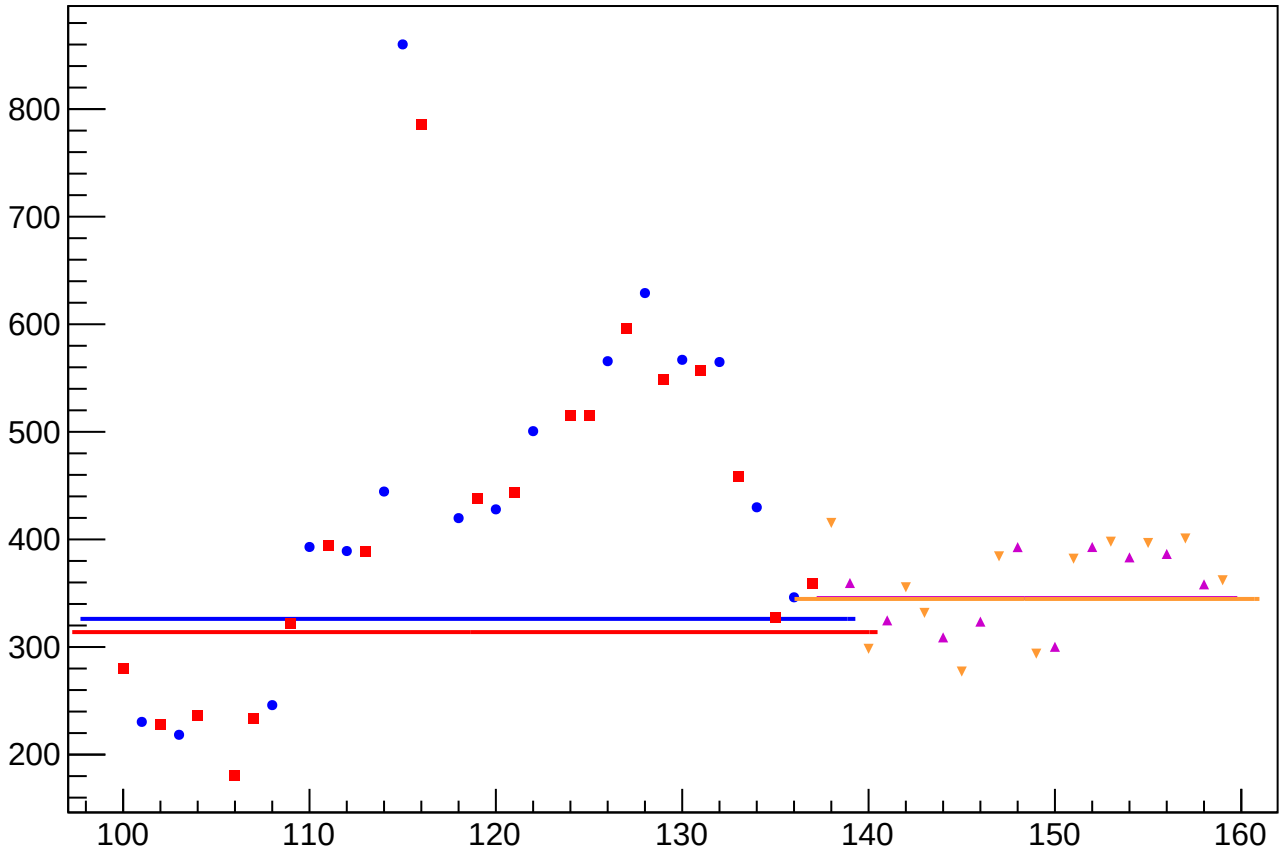
Left: 150.744+/-81.744 χ^2/NDF: 33.5/21

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -125.854+/-87.349 χ^2/NDF:23.1/25

Out: 146.913+/-83.440 χ^2/NDF:39.3/30

All: 16.768+/-60.336 χ^2/NDF: 67.4/56



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 344.690+/-0.080 χ^2/NDF:361044.0/11

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

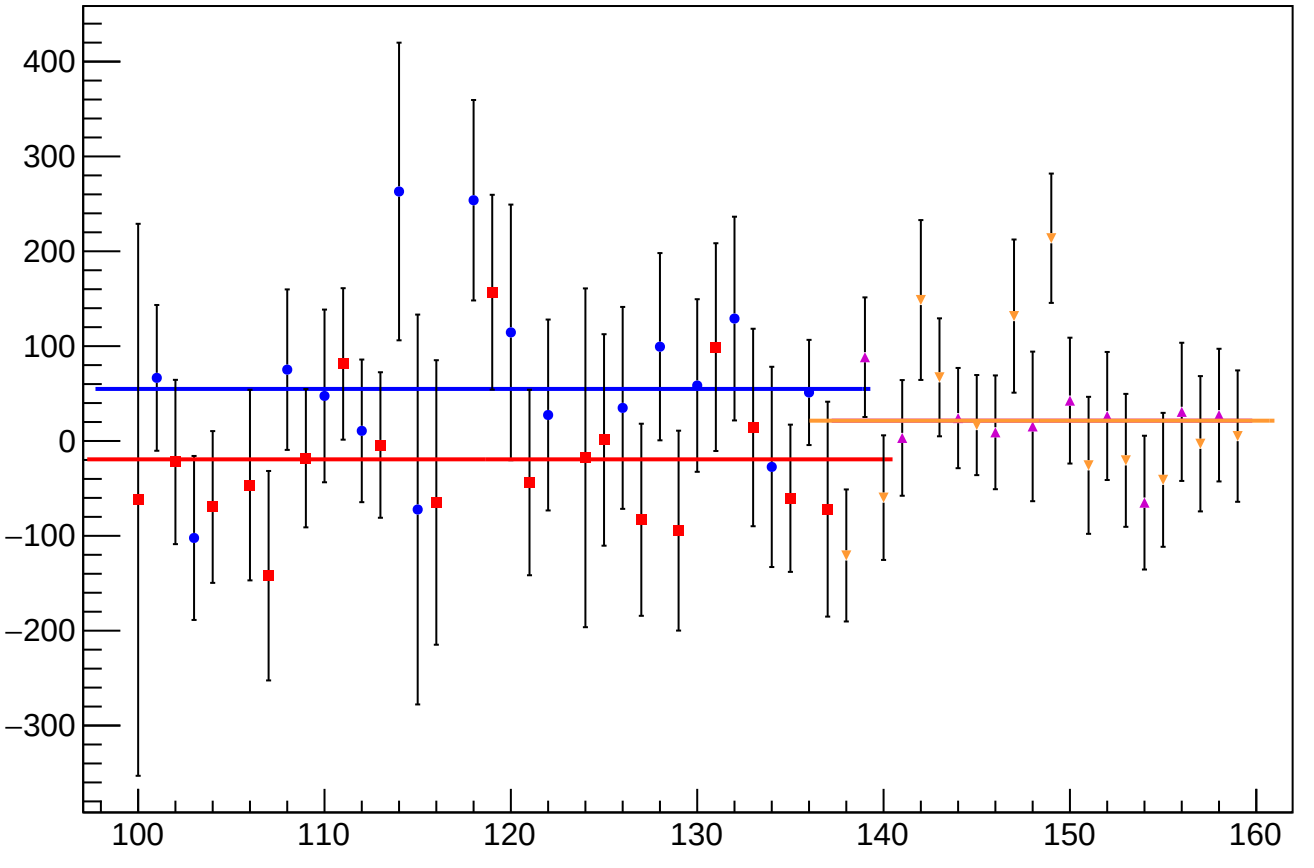
Left: 345.099+/-0.058 χ^2/NDF: 531172.3/21

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 336.745+/-0.062 χ^2/NDF:1928449.2/25

Out: 330.615+/-0.059 χ^2/NDF:2234562.0/30

All: 333.540+/-0.043 χ^2/NDF: 4168162.1/56



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 21.409+/-19.741 χ^2/NDF:20.1/11

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 21.418+/-20.595 χ^2/NDF:2.9/9

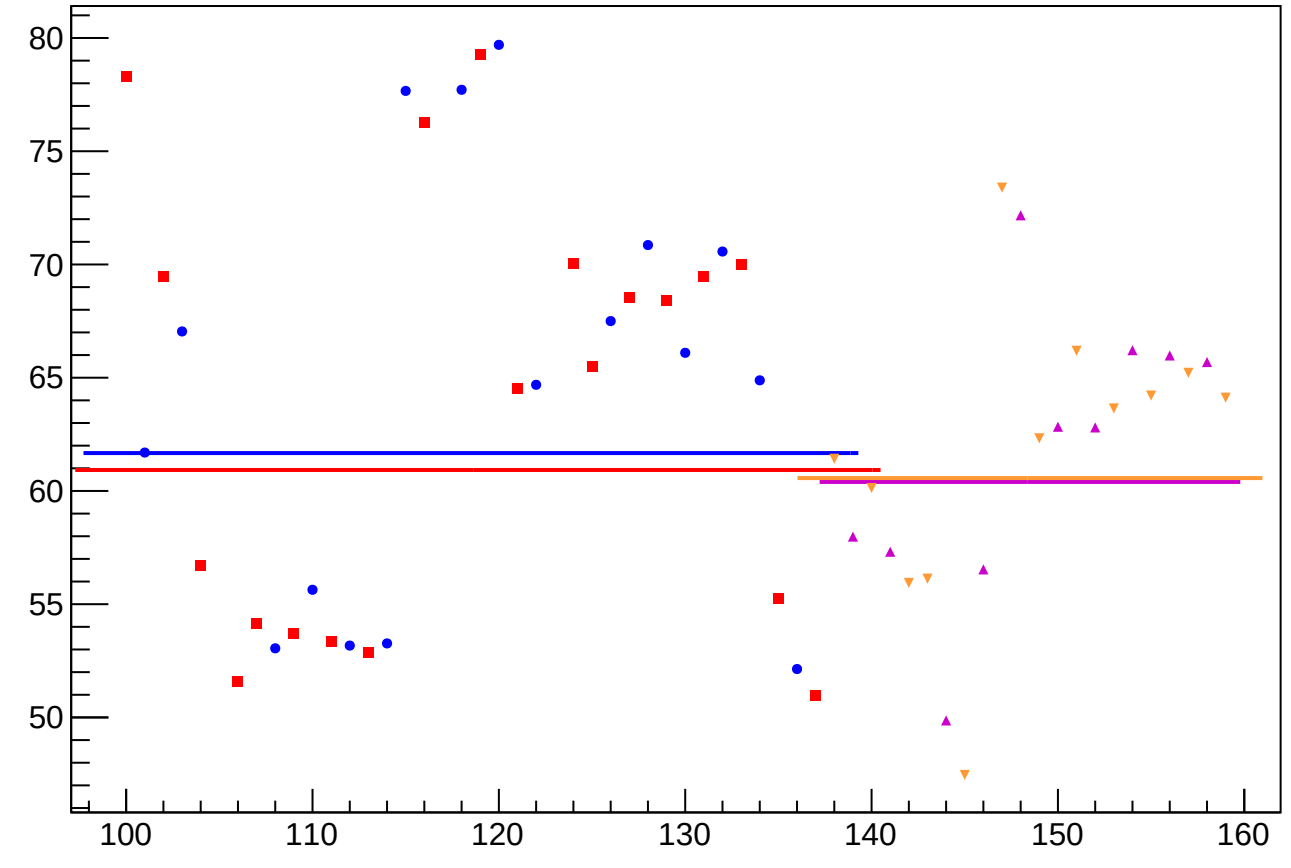
Left: 21.413+/-14.251 χ^2/NDF: 23.0/21

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.179+/-15.395 χ^2/NDF:15.1/25

Out: 3.757+/-14.864 χ^2/NDF:31.1/30

All: 19.399+/-10.693 χ^2/NDF: 48.5/56



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.569+/-0.014 χ^2/NDF:226829.8/11

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

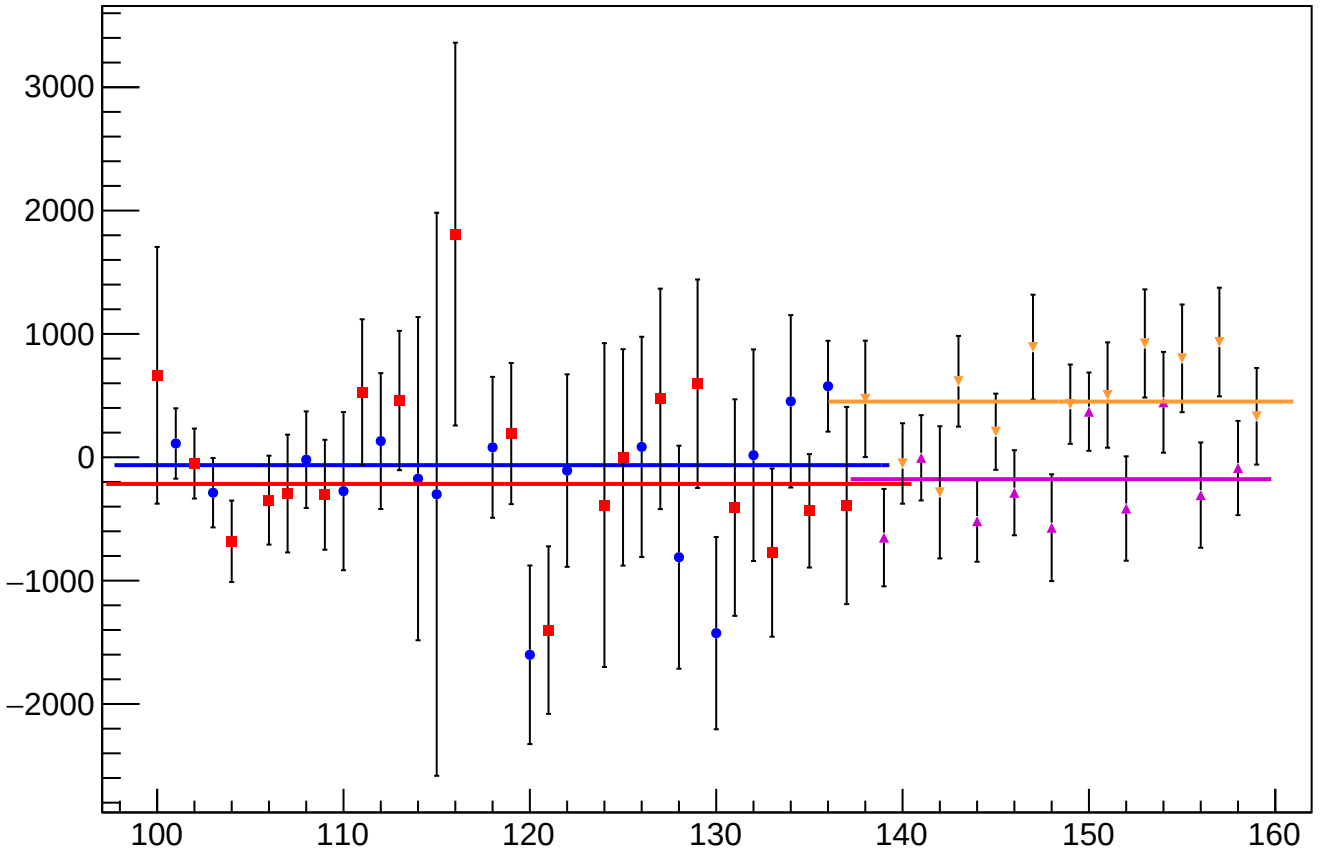
Left: 60.487+/-0.010 χ^2/NDF: 409288.2/21

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.961+/-0.011 χ^2/NDF:452874.8/25

Out: 60.723+/-0.011 χ^2/NDF:514692.5/30

All: 60.838+/-0.008 χ^2/NDF: 967813.2/56



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 451.708+/-113.186 χ^2/NDF:9.3/11

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -177.379+/-118.183 χ^2/NDF:9.4/9

Left: 150.744+/-81.744 χ^2/NDF: 33.5/21

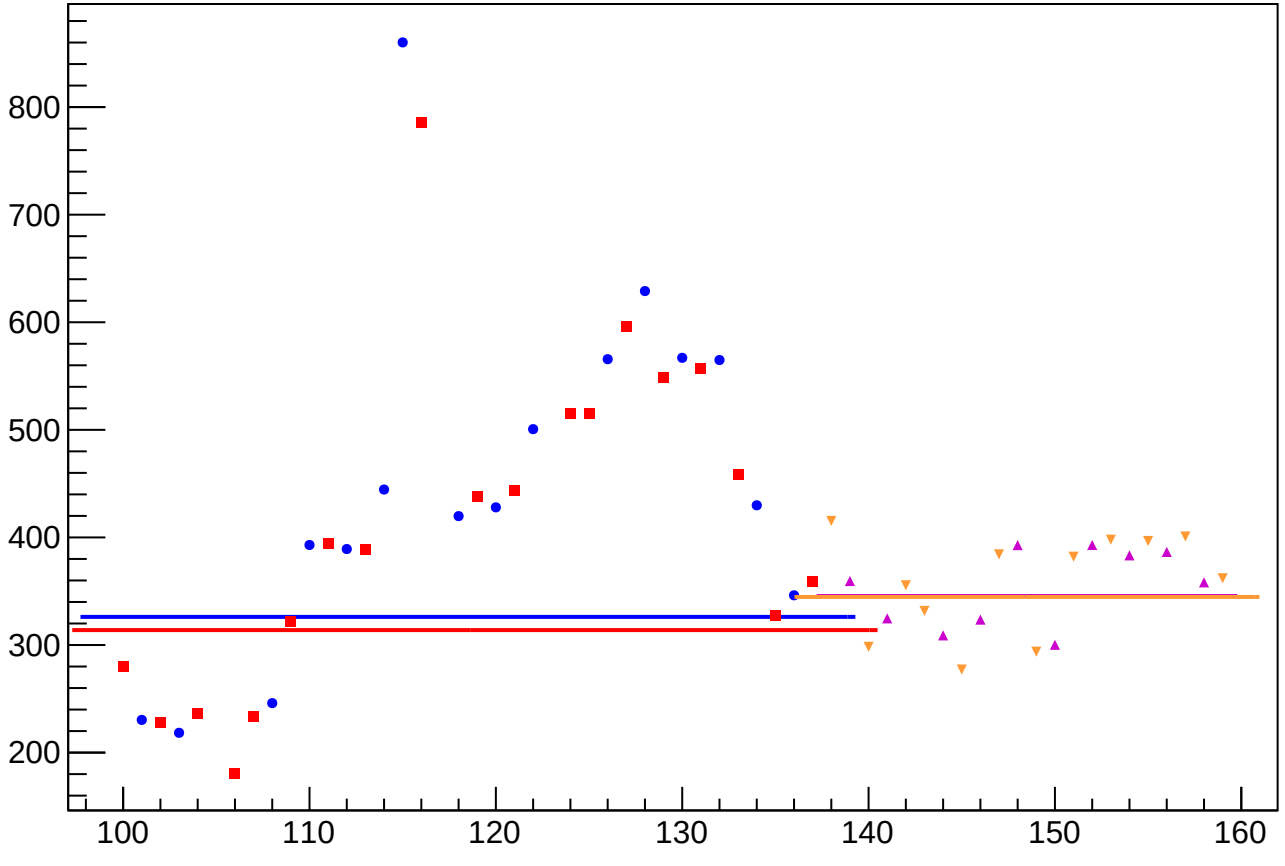
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -125.854+/-87.349 χ^2/NDF:23.1/25

Out: 146.913+/-83.440 χ^2/NDF:39.3/30

All: 16.768+/-60.336 χ^2/NDF: 67.4/56

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: 344.690+/-0.080 χ^2/NDF:361044.0/11

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

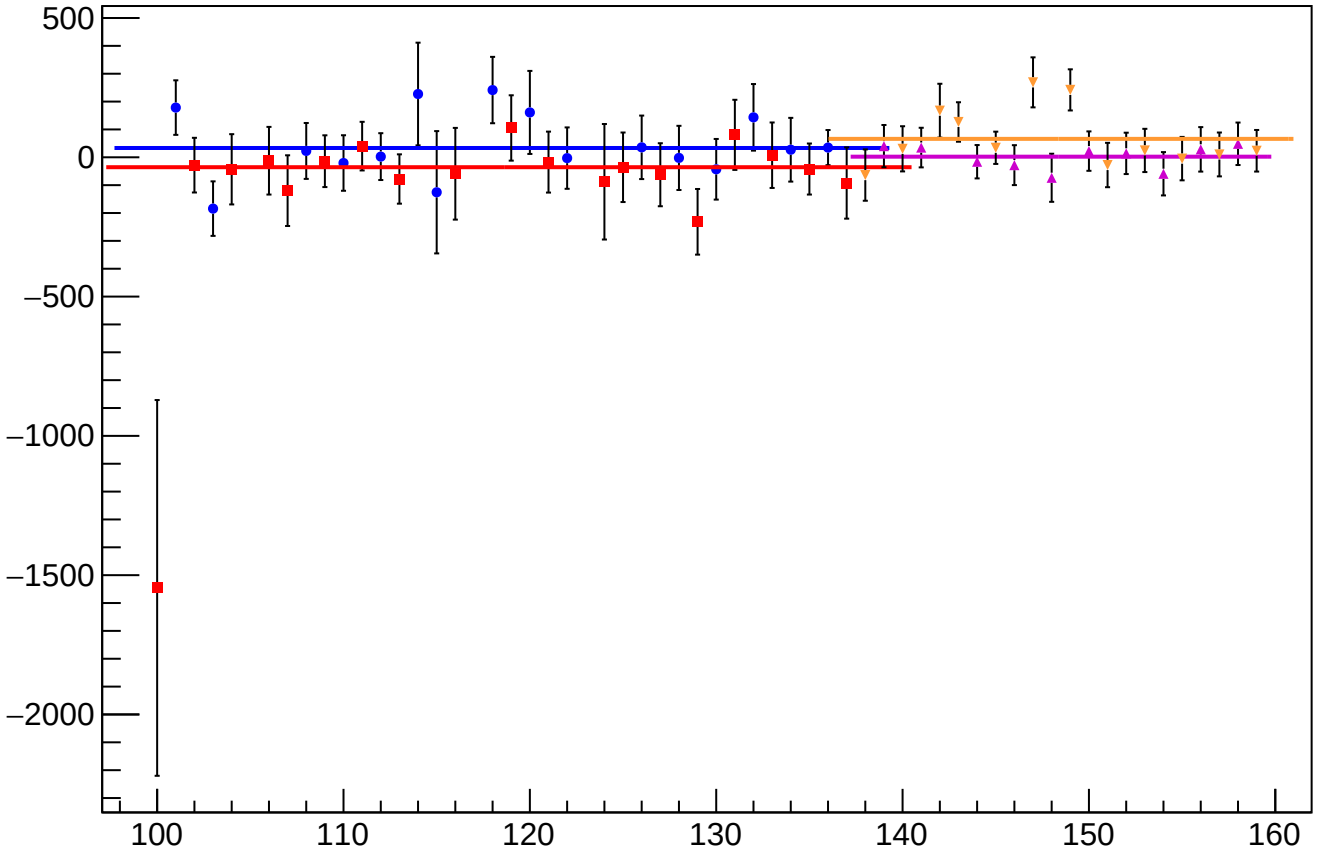
Left: 345.099+/-0.058 χ^2/NDF: 531172.3/21

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 336.745+/-0.062 χ^2/NDF:1928449.2/25

Out: 330.615+/-0.059 χ^2/NDF:2234562.0/30

All: 333.540+/-0.043 χ^2/NDF: 4168162.1/56



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 66.141+/-22.298 χ^2/NDF:18.4/11

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 2.211+/-23.216 χ^2/NDF:2.7/9

Left: 35.465+/-16.082 χ^2/NDF: 25.1/21

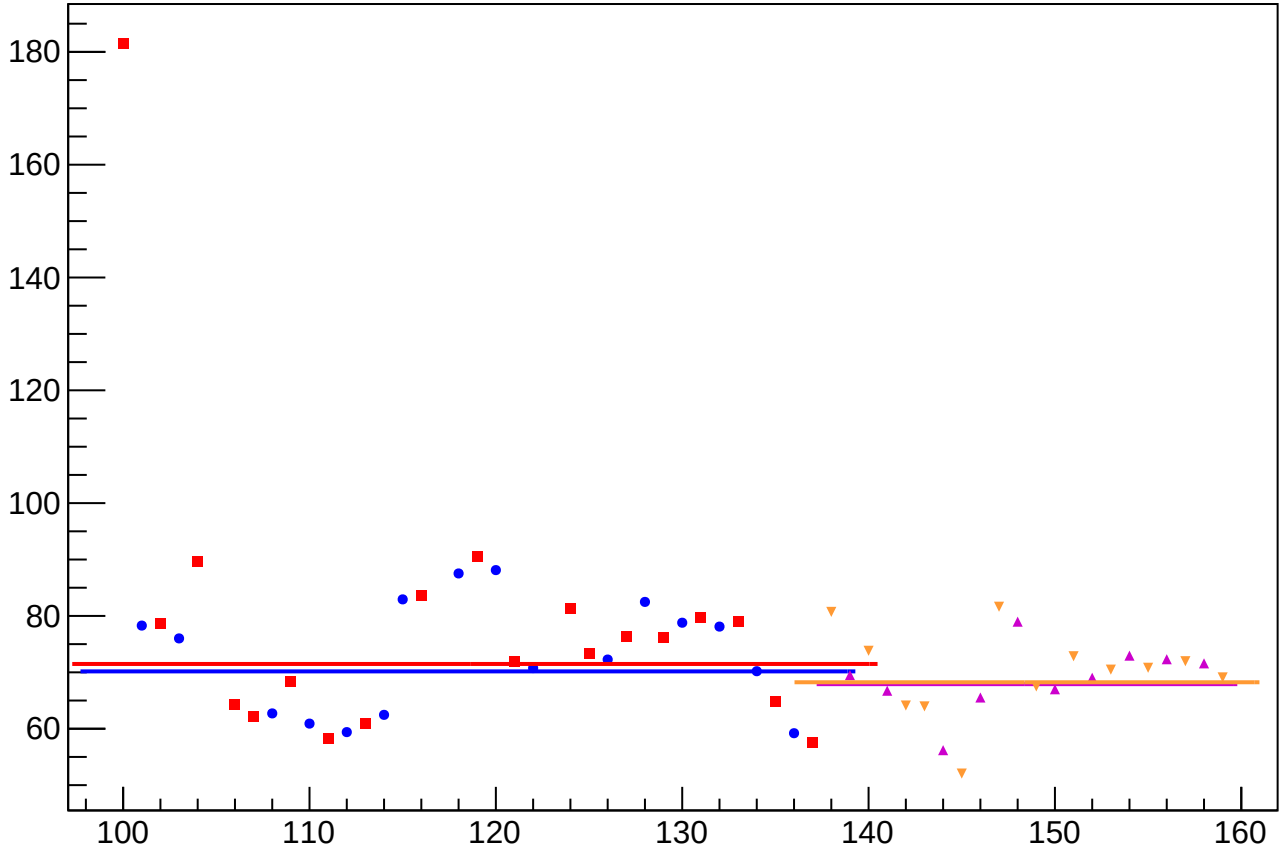
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 15.803+/-17.438 χ^2/NDF:18.0/25

Out: 24.044+/-17.071 χ^2/NDF:39.1/30

All: 20.011+/-12.199 χ^2/NDF: 57.3/56

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.240+/-0.016 χ^2/NDF:273350.1/11

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.905+/-0.016 χ^2/NDF:133047.4/9

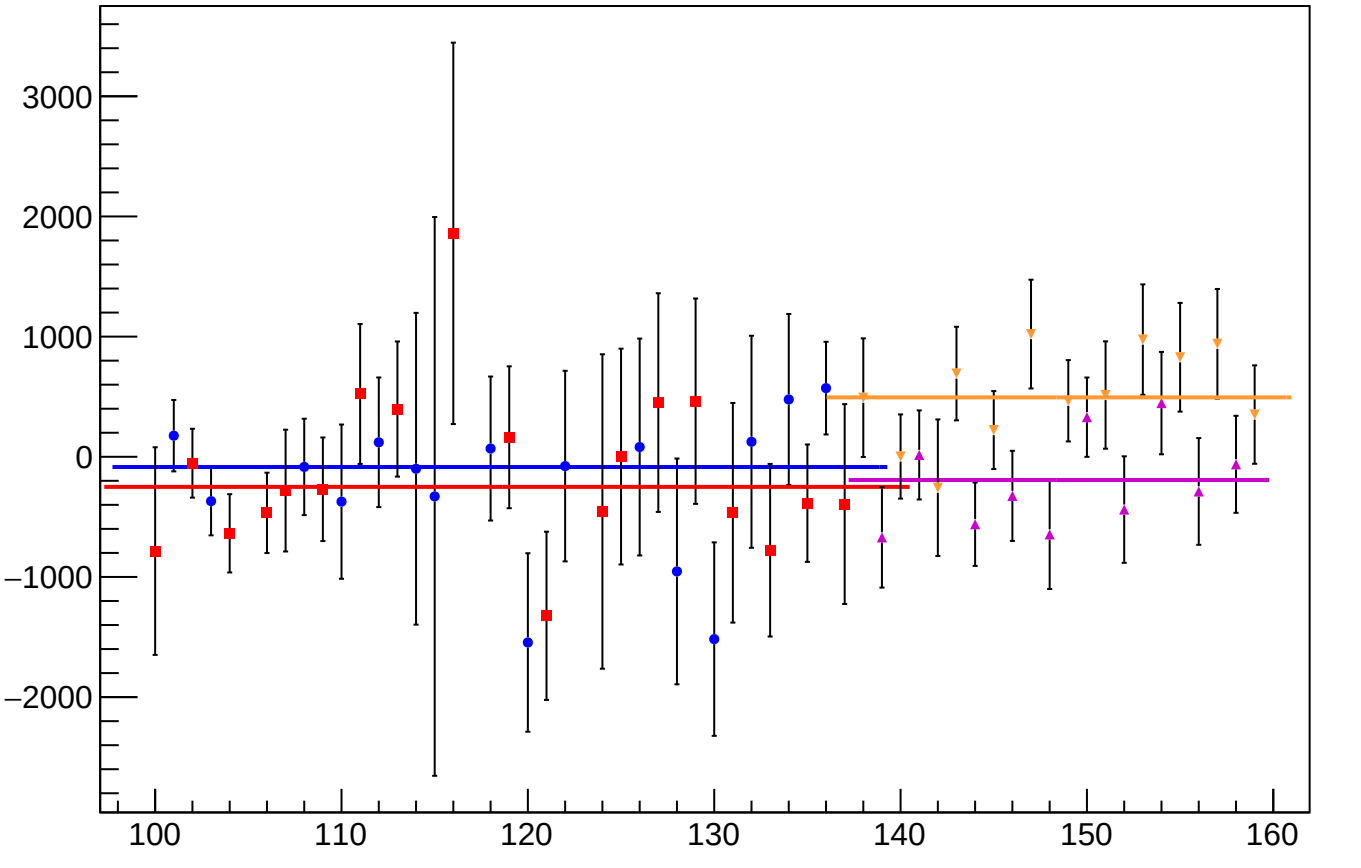
Left: 68.079+/-0.011 χ^2/NDF: 406614.6/21

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.891+/-0.012 χ^2/NDF:410575.0/25

Out: 69.582+/-0.012 χ^2/NDF:616572.7/30

All: 69.244+/-0.009 χ^2/NDF: 1028753.4/56



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 494.305+/-119.132 χ^2/NDF:8.8/11

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -193.423+/-124.740 χ^2/NDF:9.1/9

Left: 166.248+/-86.154 χ^2/NDF: 33.7/21

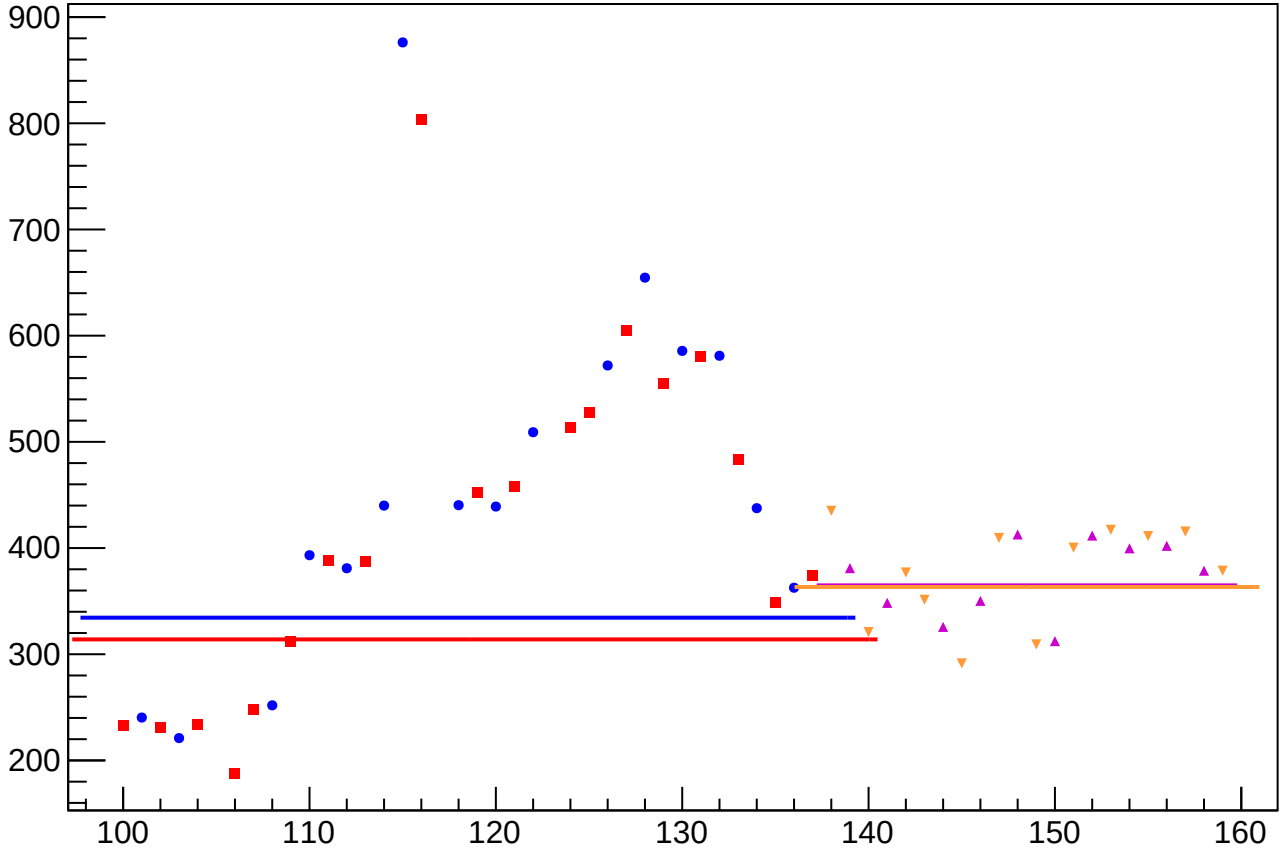
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -142.719+/-90.945 χ^2/NDF:23.1/25

Out: 134.736+/-85.675 χ^2/NDF:40.1/30

All: 4.280+/-62.361 χ^2/NDF: 68.2/56

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: 363.309+/-0.084 χ^2/NDF:337740.8/11

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 364.851+/-0.088 χ^2/NDF:160446.7/9

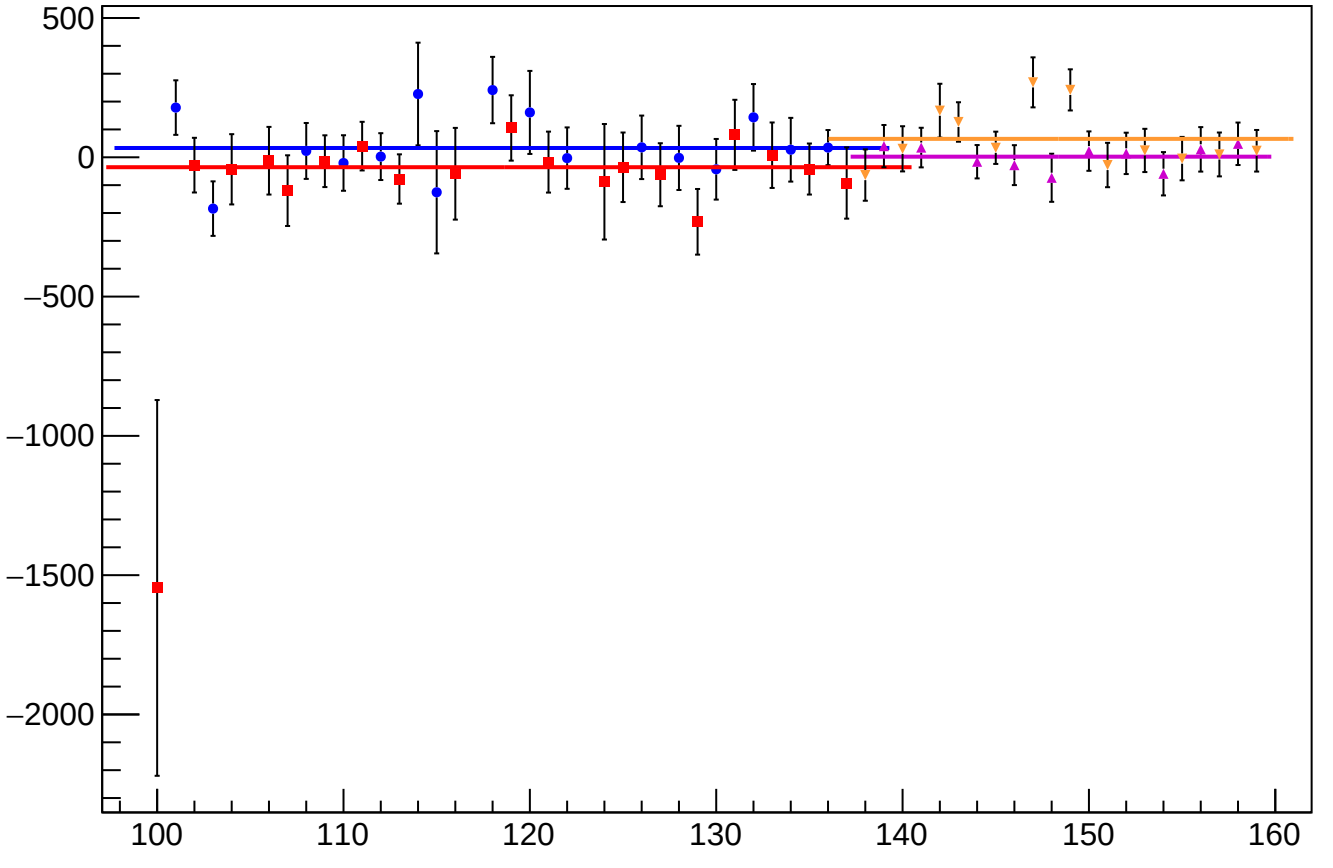
Left: 364.044+/-0.061 χ^2/NDF: 498347.3/21

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 350.601+/-0.064 χ^2/NDF:1946774.2/25

Out: 339.488+/-0.061 χ^2/NDF:2407962.4/30

All: 344.713+/-0.044 χ^2/NDF: 4370556.6/56



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 66.141+/-22.298 χ^2/NDF:18.4/11

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 2.212+/-23.216 χ^2/NDF:2.7/9

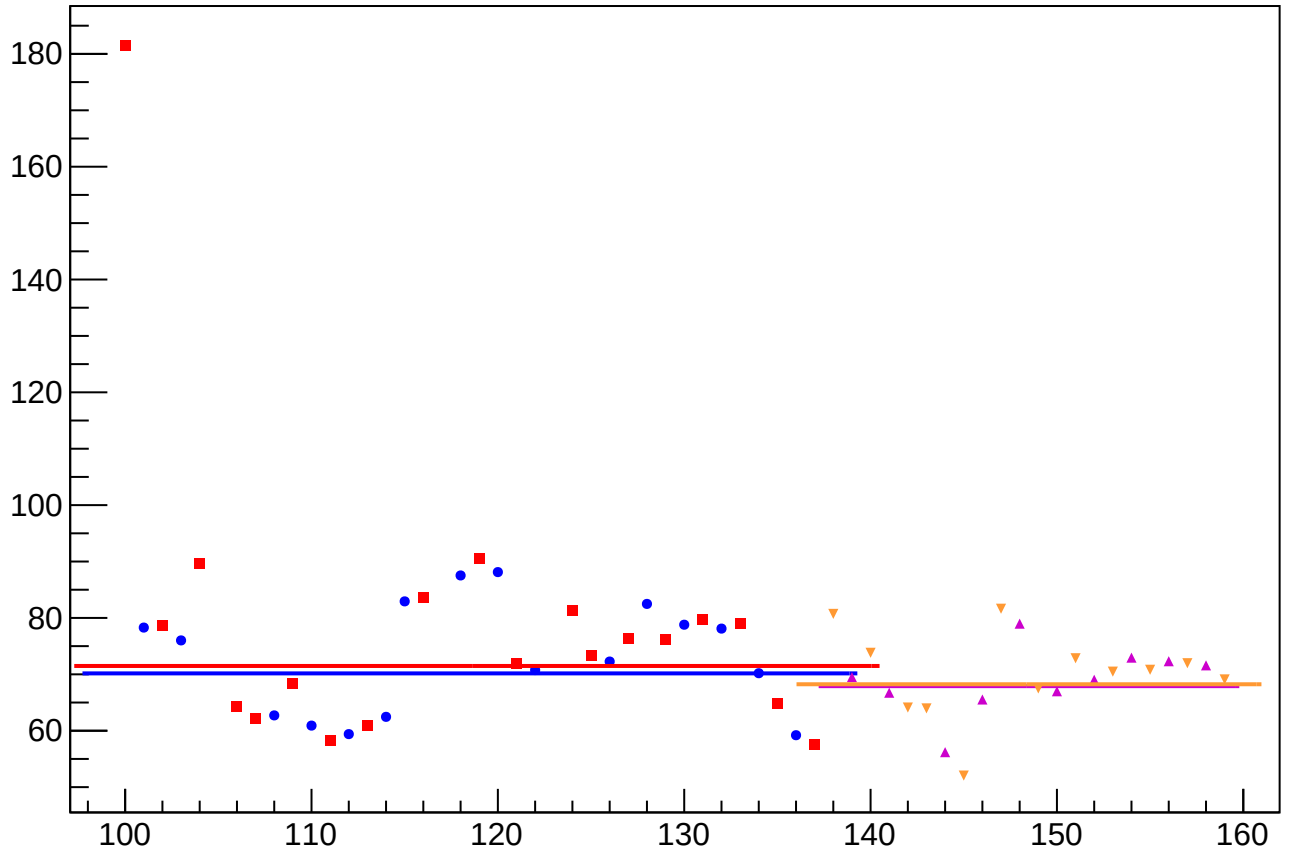
Left: 35.465+/-16.082 χ^2/NDF: 25.1/21

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 15.803+/-17.438 χ^2/NDF:18.0/25

Out: 24.044+/-17.071 χ^2/NDF:39.1/30

All: 20.011+/-12.199 χ^2/NDF: 57.3/56



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.240+/-0.016 χ^2/NDF:273354.7/11

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.905+/-0.016 χ^2/NDF:133048.5/9

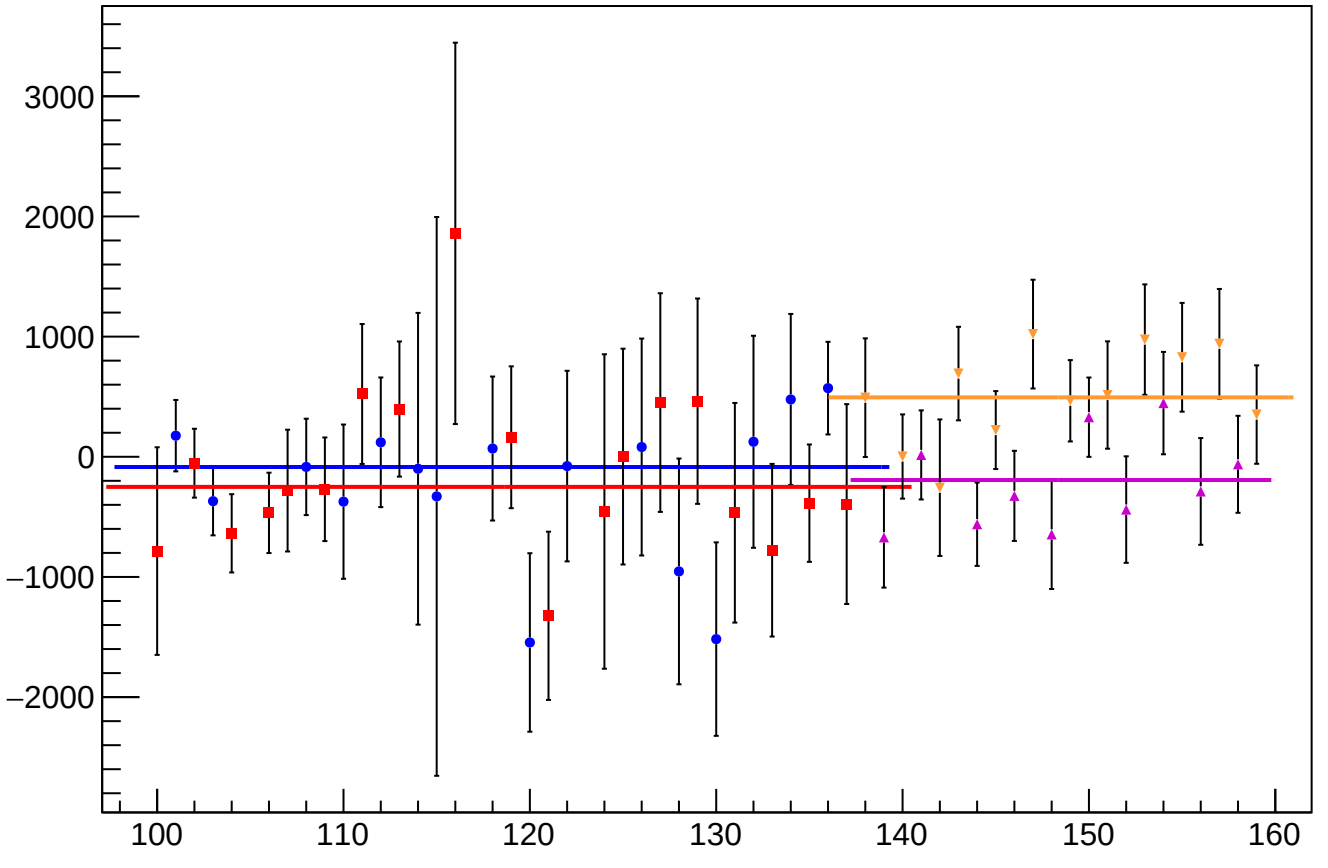
Left: 68.079+/-0.011 χ^2/NDF: 406620.1/21

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.891+/-0.012 χ^2/NDF:410580.0/25

Out: 69.582+/-0.012 χ^2/NDF:616585.0/30

All: 69.244+/-0.009 χ^2/NDF: 1028770.5/56



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 494.304+/-119.132 χ^2/NDF:8.8/11

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -193.423+/-124.740 χ^2/NDF:9.1/9

Left: 166.247+/-86.154 χ^2/NDF: 33.7/21

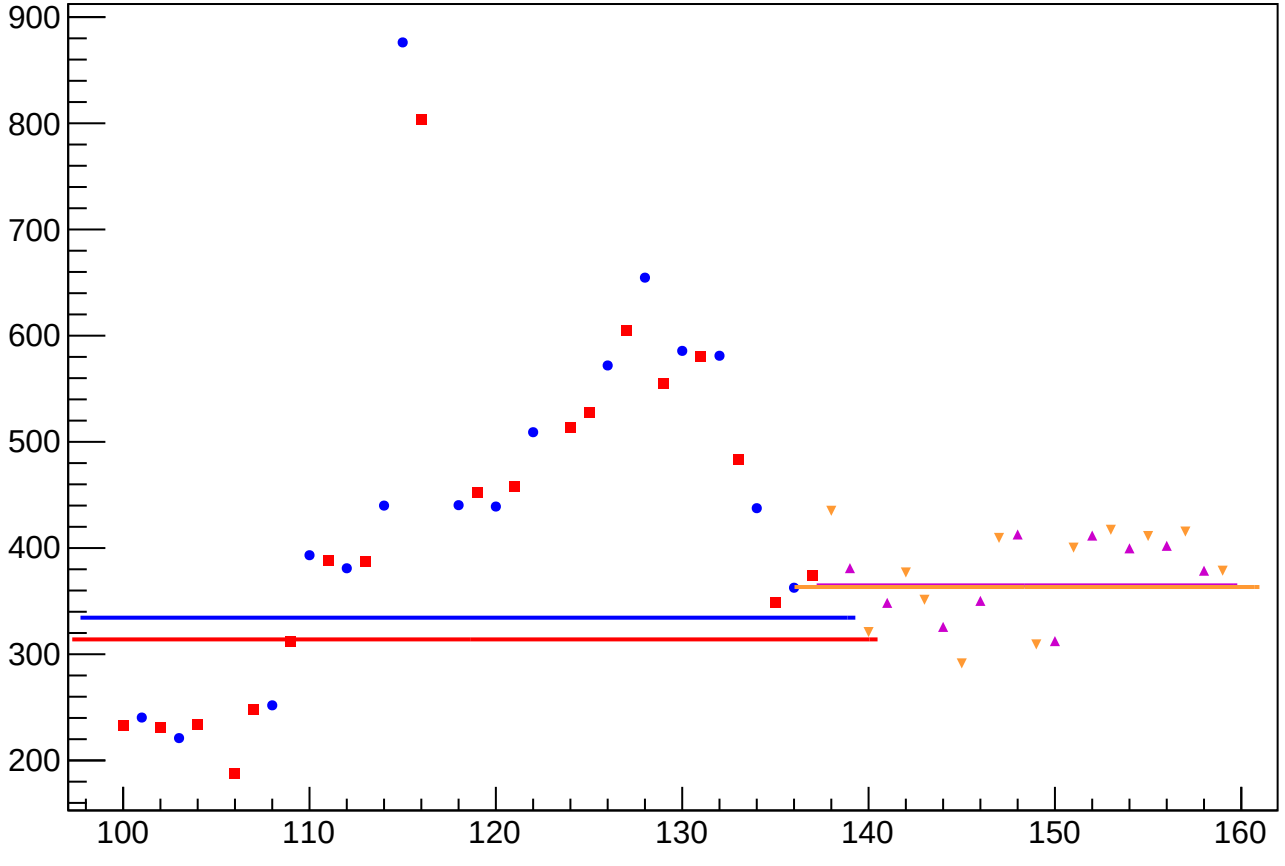
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -142.719+/-90.945 χ^2/NDF:23.1/25

Out: 134.736+/-85.675 χ^2/NDF:40.1/30

All: 4.280+/-62.361 χ^2/NDF: 68.2/56

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: 363.309+/-0.084 χ^2/NDF:337744.4/11

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 364.851+/-0.088 χ^2/NDF:160446.4/9

Left: 364.044+/-0.061 χ^2/NDF: 498350.6/21

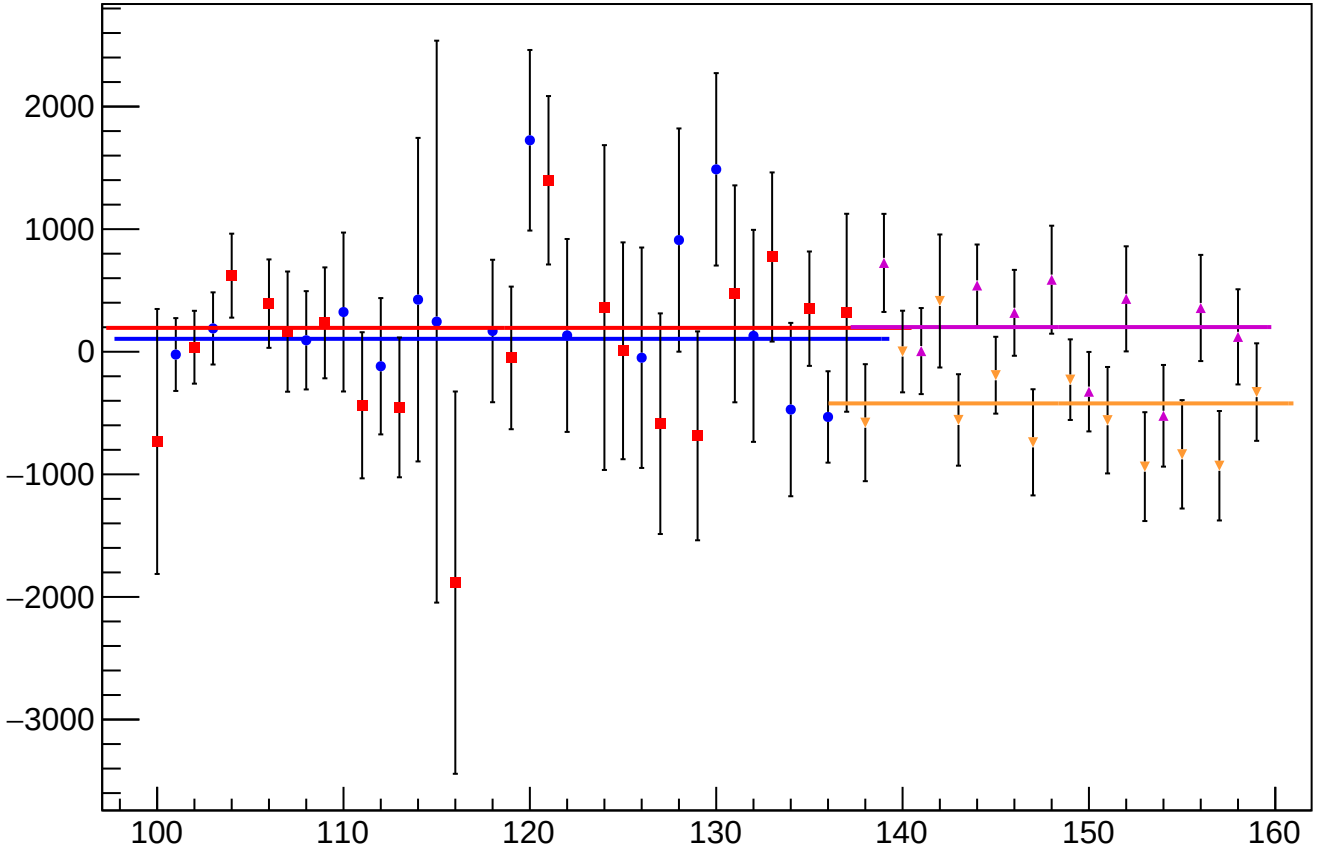
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 350.601+/-0.064 χ^2/NDF:1946772.3/25

Out: 339.488+/-0.061 χ^2/NDF:2407963.3/30

All: 344.713+/-0.044 χ^2/NDF: 4370556.3/56

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -421.307+/-115.017 χ^2/NDF:9.3/11

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 201.332+/-120.061 χ^2/NDF:10.1/9

Left: -123.342+/-83.055 χ^2/NDF: 33.4/21

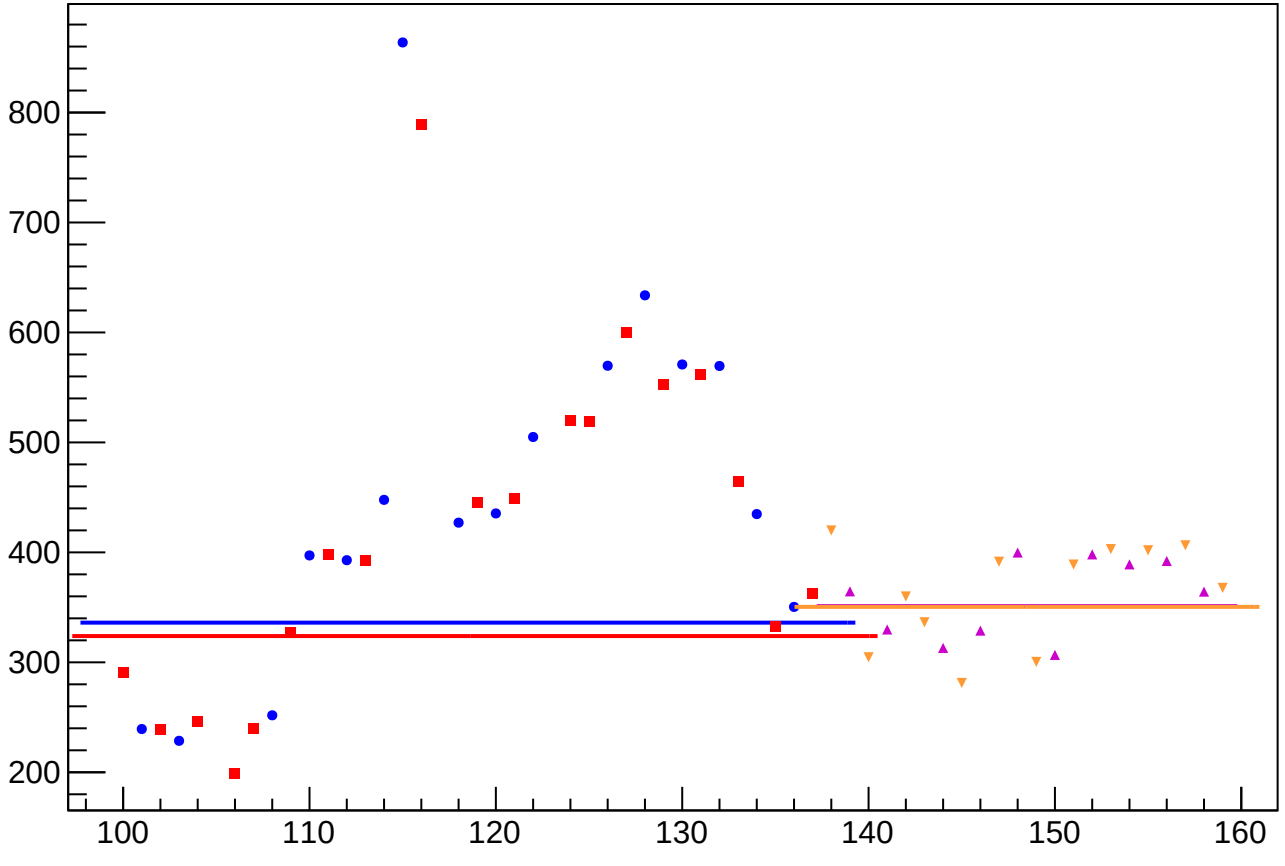
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 158.270+/-89.134 χ^2/NDF:23.3/25

Out: -141.792+/-85.008 χ^2/NDF:35.5/30

All: 1.133+/-61.517 χ^2/NDF: 64.8/56

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 350.435+/-0.081 χ^2/NDF:351652.1/11

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 351.140+/-0.085 χ^2/NDF:166642.9/9

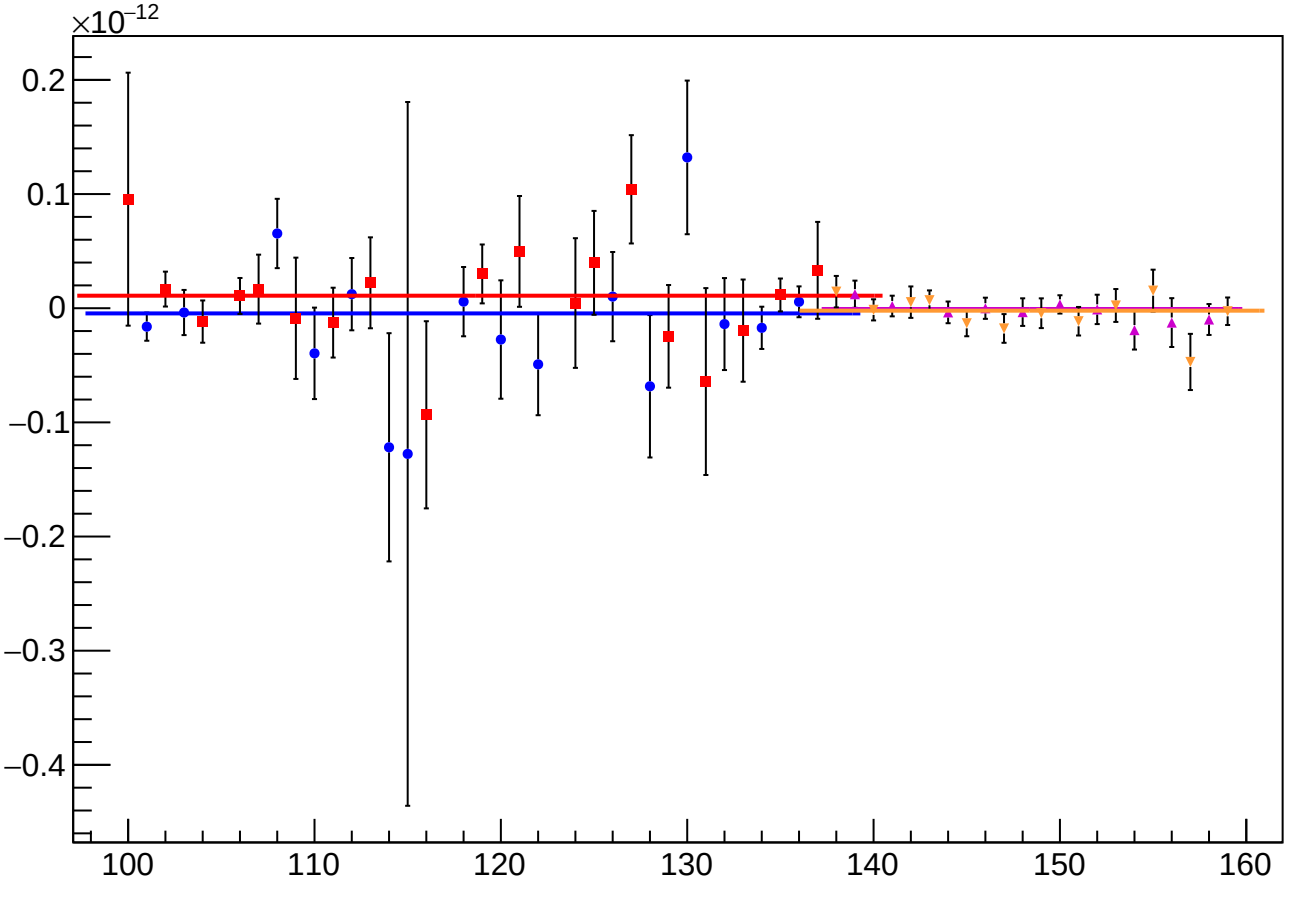
Left: 350.772+/-0.059 χ^2/NDF: 518331.0/21

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 344.386+/-0.063 χ^2/NDF:1799741.5/25

Out: 338.388+/-0.060 χ^2/NDF:2065427.8/30

All: 341.245+/-0.043 χ^2/NDF: 3869911.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

Left: -0.000+/-0.000 χ^2/NDF: 14.0/21

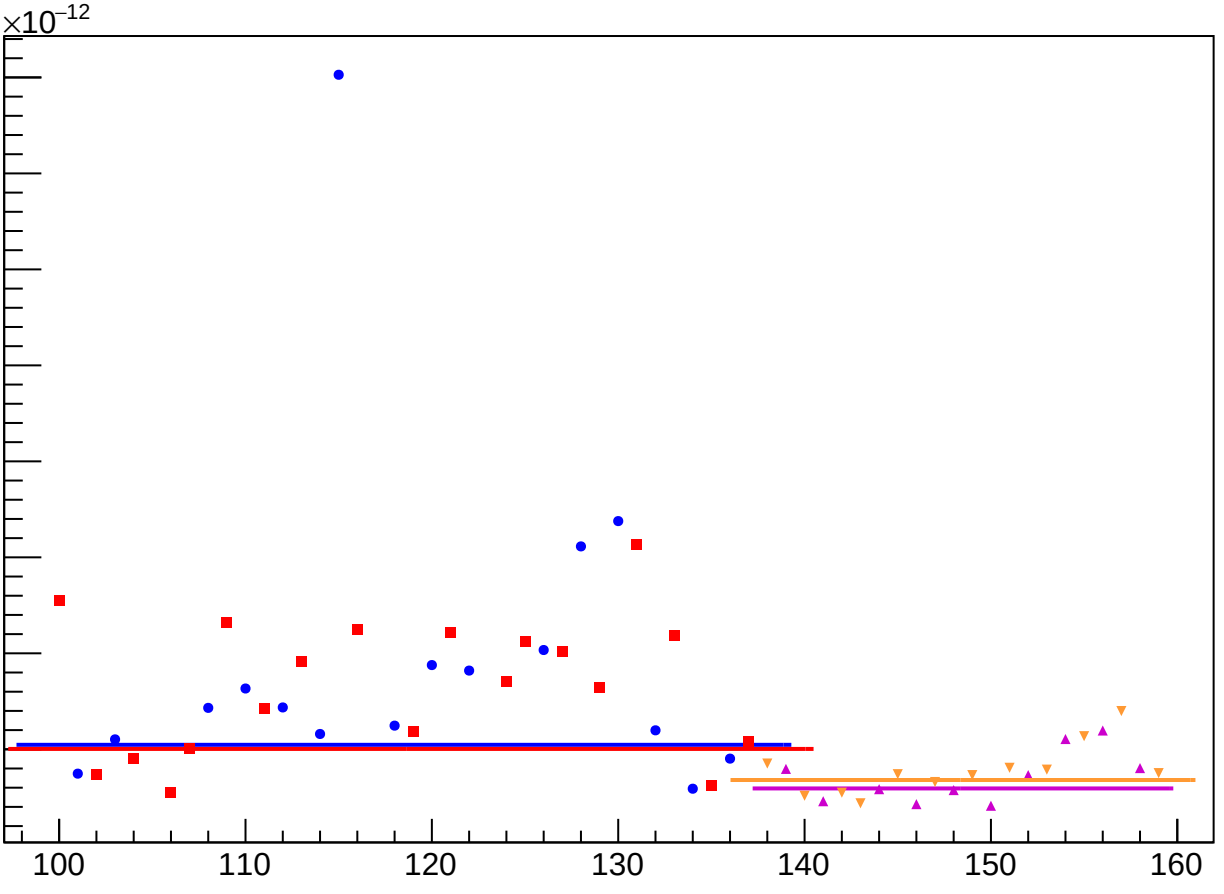
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/25

Out: 0.000+/-0.000 χ^2/NDF:25.9/30

All: -0.000+/-0.000 χ^2/NDF: 46.6/56

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:614390.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:680050.2/9

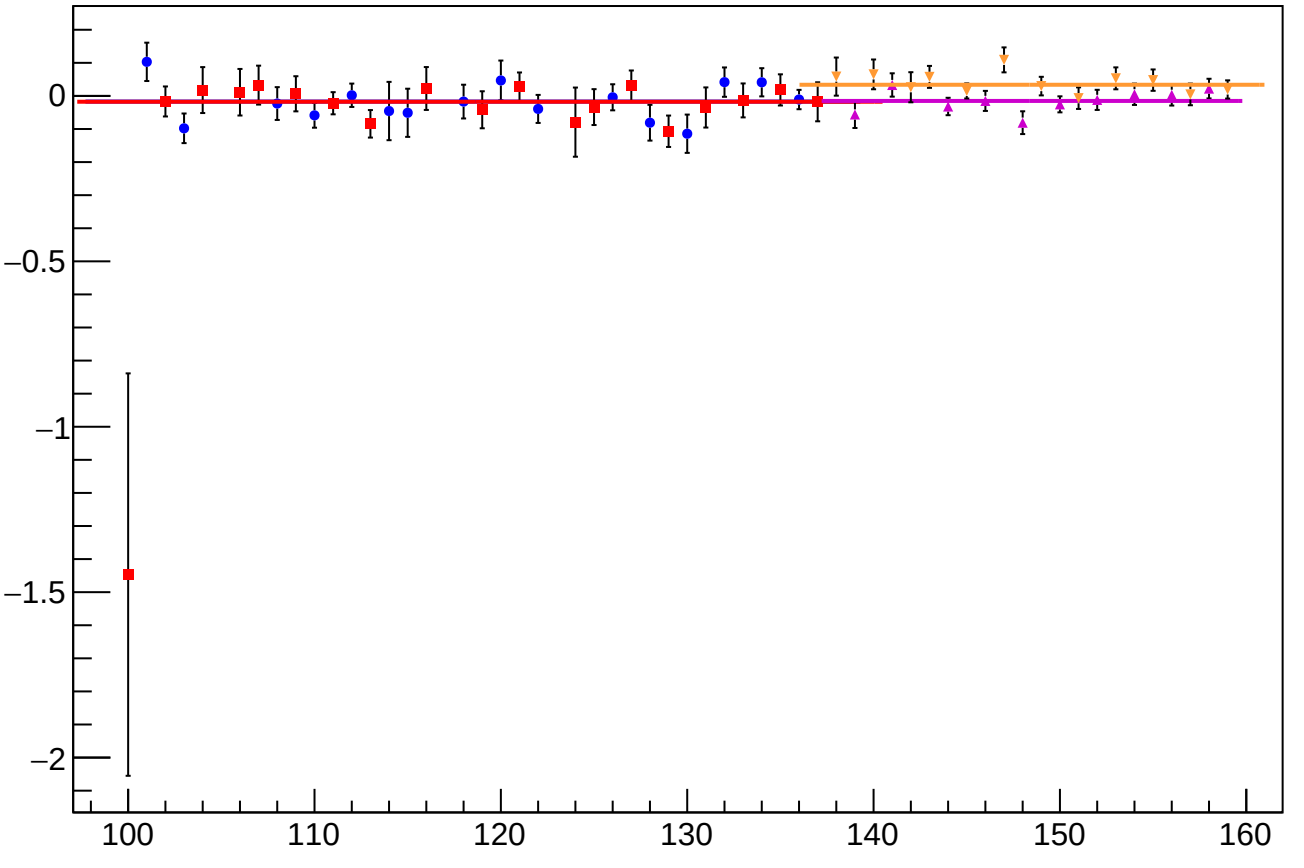
Left: 0.000+/-0.000 χ^2/NDF: 1356300.9/21

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2631724.3/25

Out: 0.000+/-0.000 χ^2/NDF:2419222.4/30

All: 0.000+/-0.000 χ^2/NDF: 5089616.8/56



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.034+/-0.009 χ^2/NDF:9.0/11

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.015+/-0.010 χ^2/NDF:9.4/9

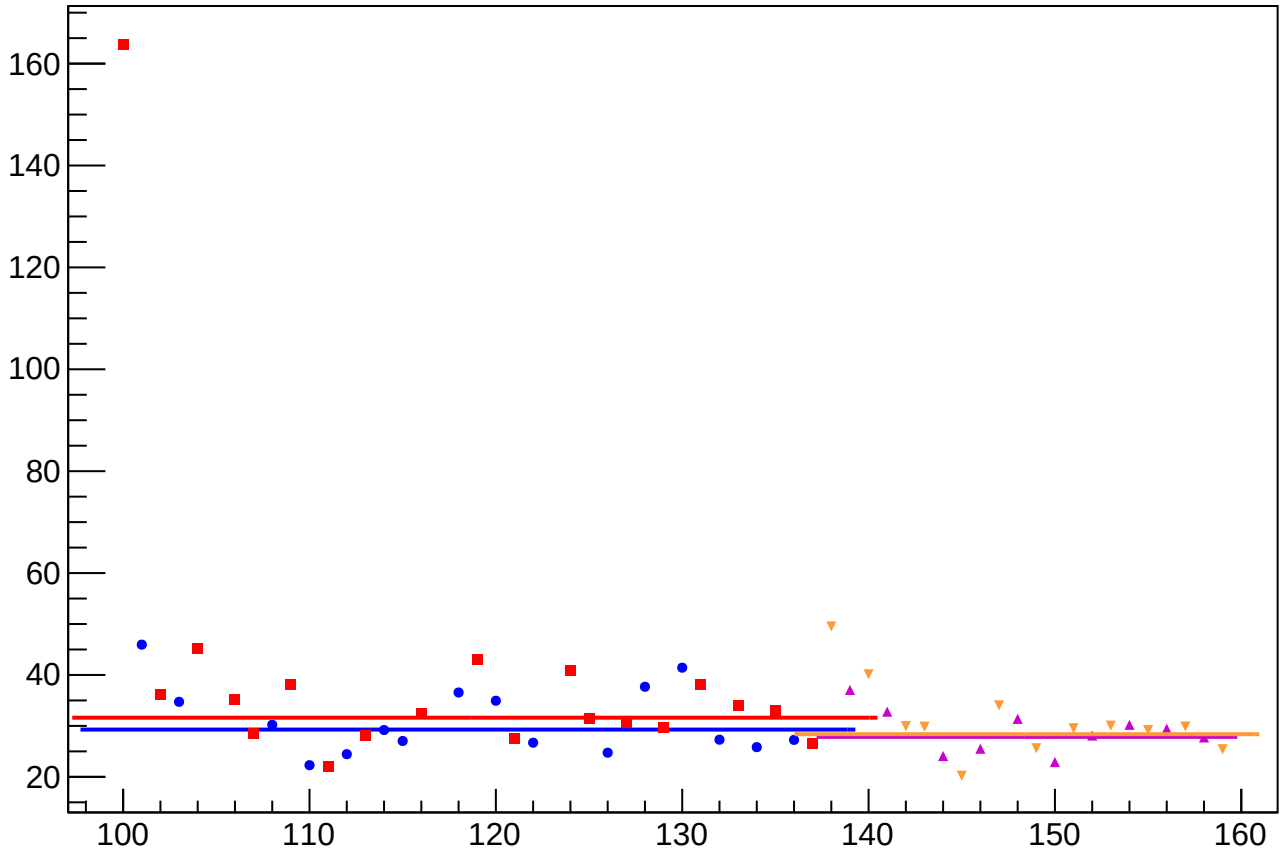
Left: 0.010+/-0.007 χ^2/NDF: 31.4/21

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.016+/-0.007 χ^2/NDF:28.2/25

Out: 0.014+/-0.007 χ^2/NDF:37.0/30

All: -0.001+/-0.005 χ^2/NDF: 73.5/56



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.371+/-0.007 χ^2/NDF:767946.8/11

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

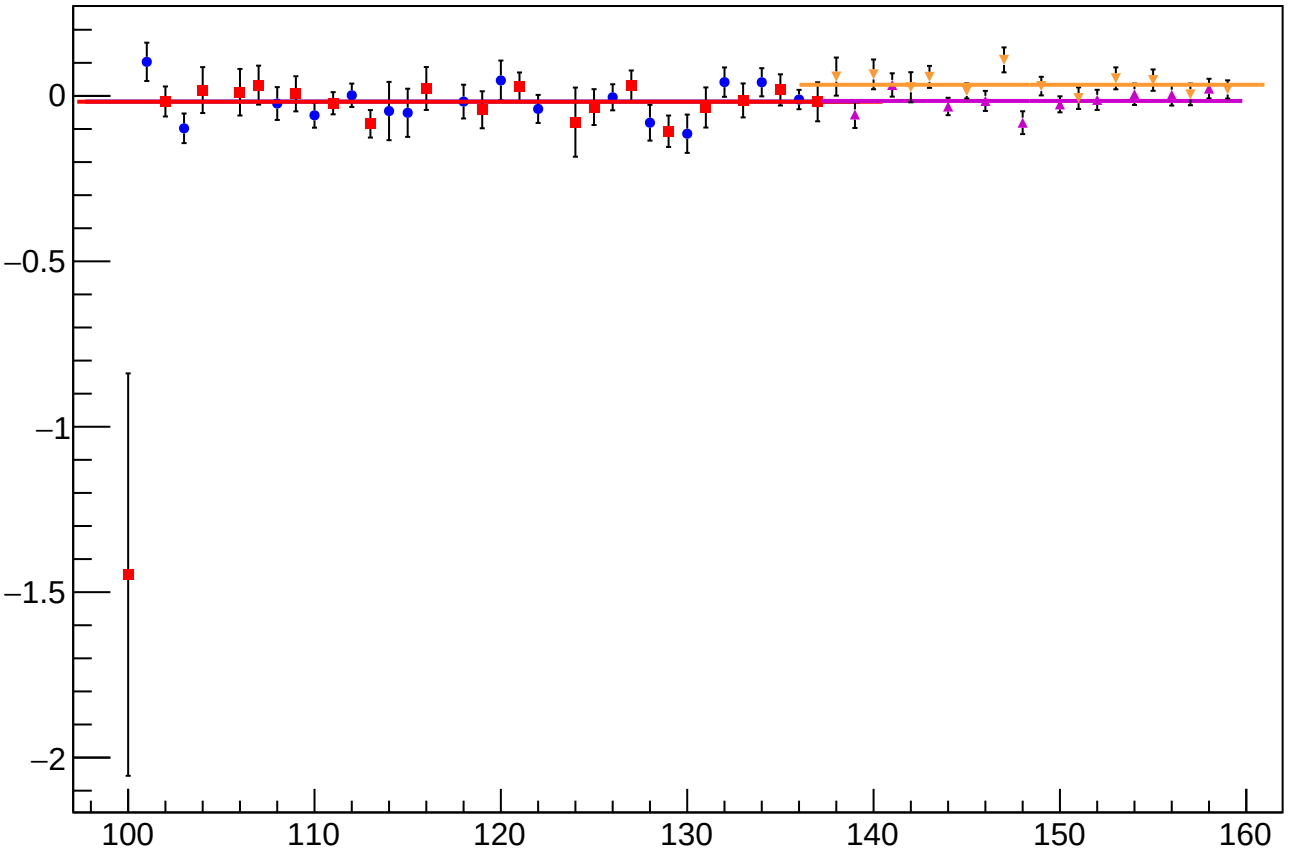
Left: 28.118+/-0.005 χ^2/NDF: 1084372.3/21

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.455+/-0.005 χ^2/NDF:892402.1/25

Out: 29.603+/-0.005 χ^2/NDF:1429172.1/30

All: 29.023+/-0.004 χ^2/NDF: 2345517.9/56



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.034+/-0.009 χ^2/NDF:9.0/11

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.015+/-0.010 χ^2/NDF:9.4/9

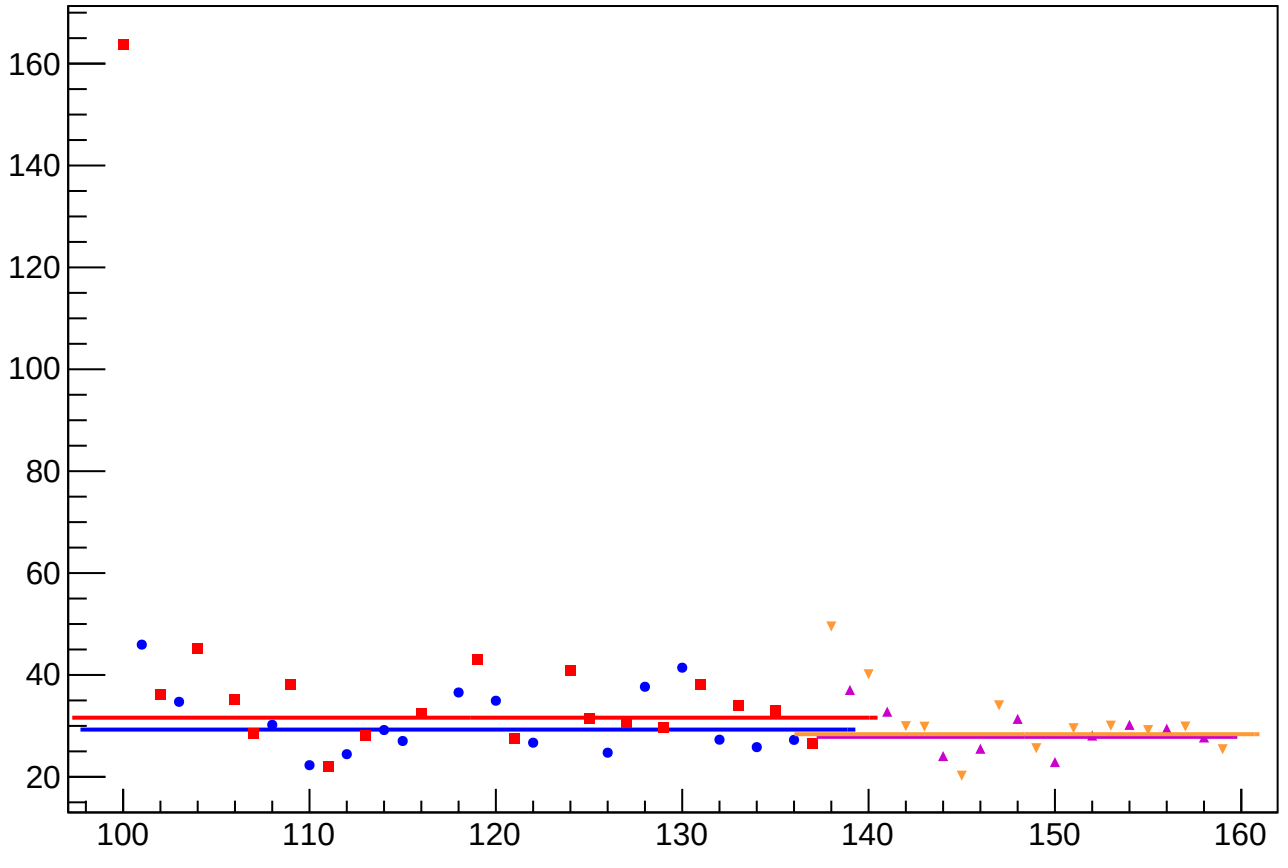
Left: 0.010+/-0.007 χ^2/NDF: 31.4/21

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.016+/-0.007 χ^2/NDF:28.2/25

Out: 0.014+/-0.007 χ^2/NDF:37.0/30

All: -0.001+/-0.005 χ^2/NDF: 73.5/56



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.371+/-0.007 χ^2/NDF:767946.8/11

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

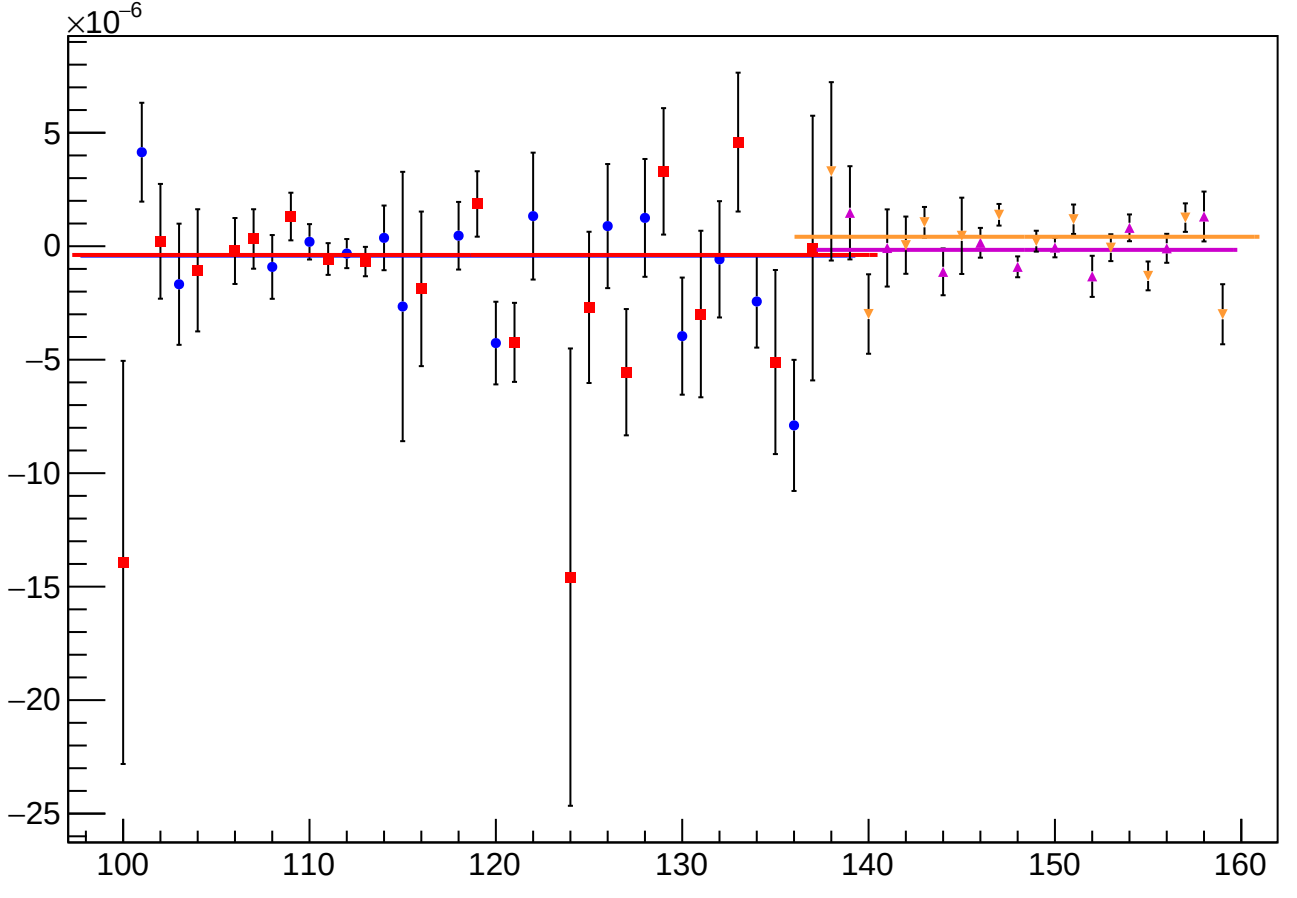
Left: 28.118+/-0.005 χ^2/NDF: 1084372.3/21

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.455+/-0.005 χ^2/NDF:892402.1/25

Out: 29.603+/-0.005 χ^2/NDF:1429172.1/30

All: 29.023+/-0.004 χ^2/NDF: 2345517.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/9

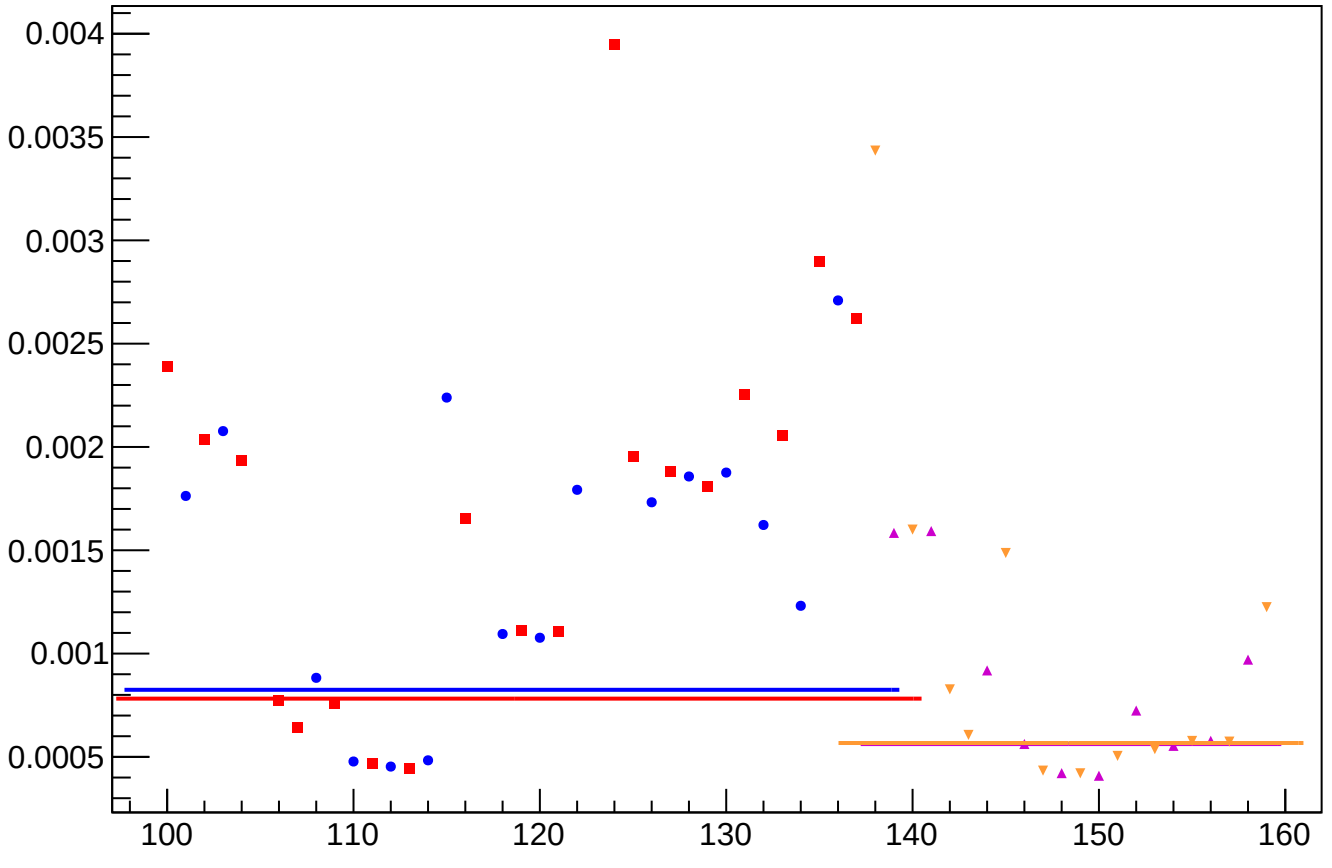
Left: 0.000+/-0.000 χ^2/NDF: 41.9/21

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:32.2/25

Out: 0.000+/-0.000 χ^2/NDF:56.7/30

All: 0.000+/-0.000 χ^2/NDF: 91.8/56



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3329318.4/11

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:2250960.1/9

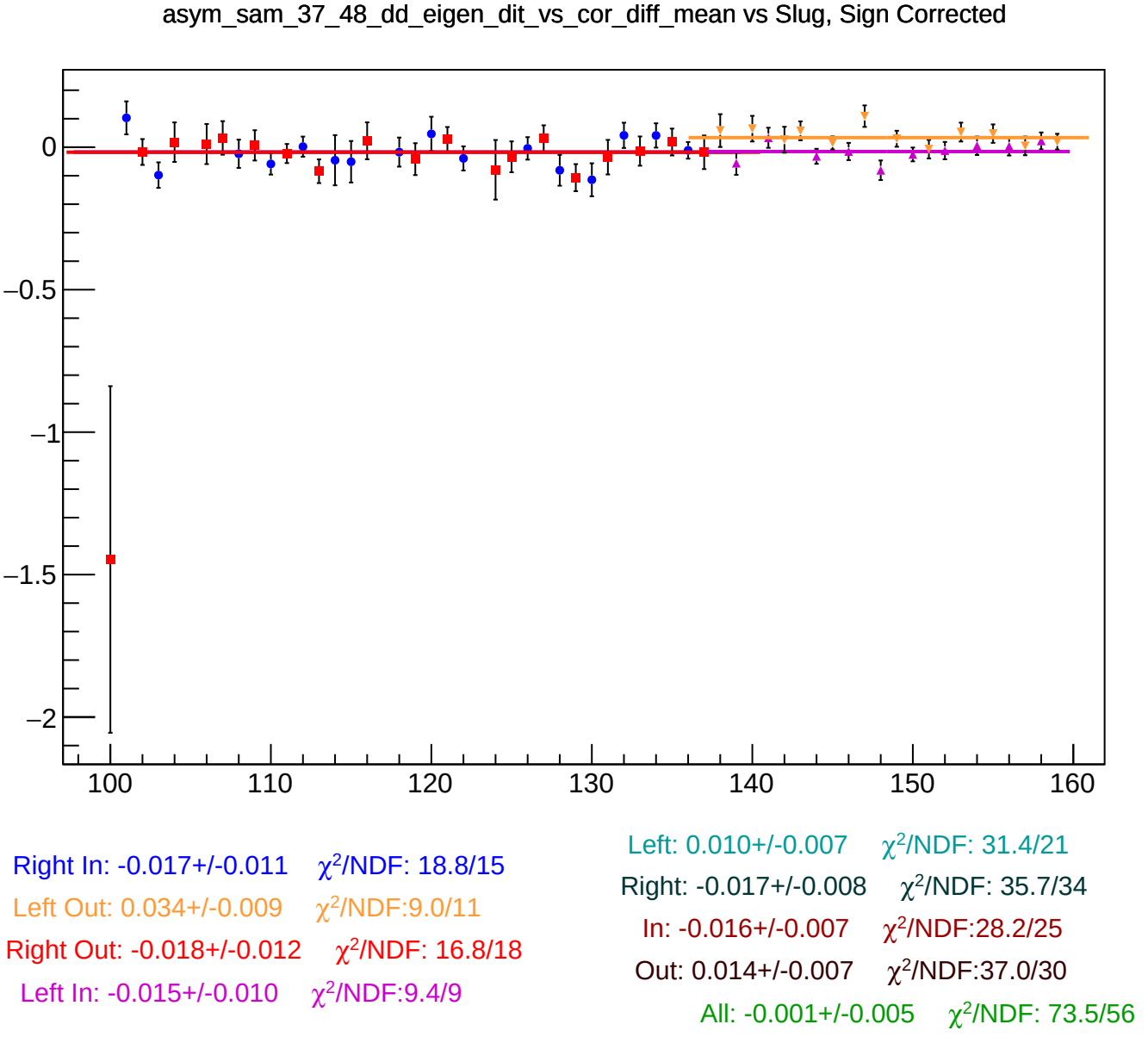
Left: 0.001+/-0.000 χ^2/NDF: 5580876.2/21

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

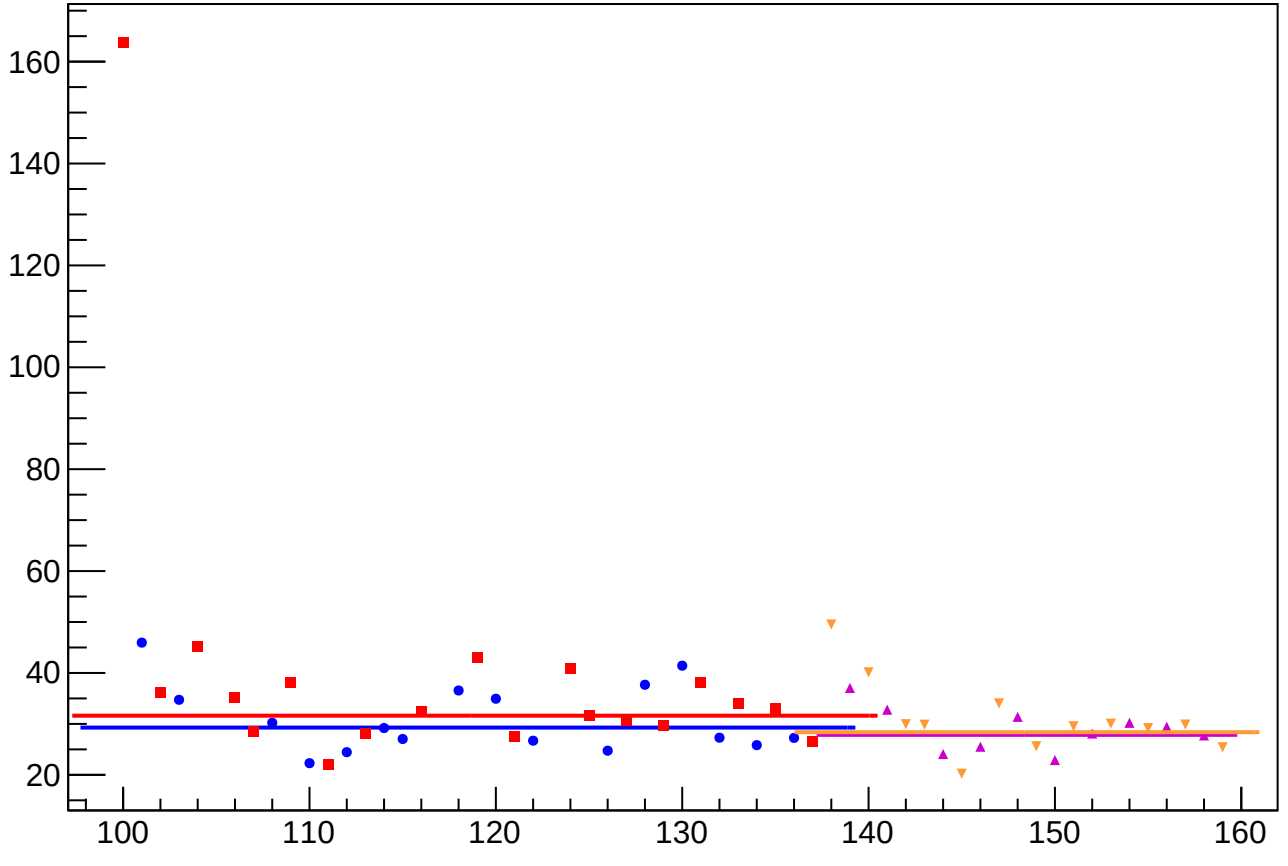
In: 0.001+/-0.000 χ^2/NDF:7448802.6/25

Out: 0.001+/-0.000 χ^2/NDF:8530210.1/30

All: 0.001+/-0.000 χ^2/NDF: 15980117.4/56


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -0.017+/-0.011 χ²/NDF: 18.8/15
Left Out: 0.034+/-0.009 χ²/NDF:9.0/11
Right Out: -0.018+/-0.012 χ²/NDF: 16.8/18
Left In: -0.015+/-0.010 χ²/NDF:9.4/9
Left: 0.010+/-0.007 χ²/NDF: 31.4/21
Right: -0.017+/-0.008 χ²/NDF: 35.7/34
In: -0.016+/-0.007 χ²/NDF:28.2/25
Out: 0.014+/-0.007 χ²/NDF:37.0/30
All: -0.001+/-0.005 χ²/NDF: 73.5/56

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: 28.370+/-0.007 χ^2/NDF:767990.9/11

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

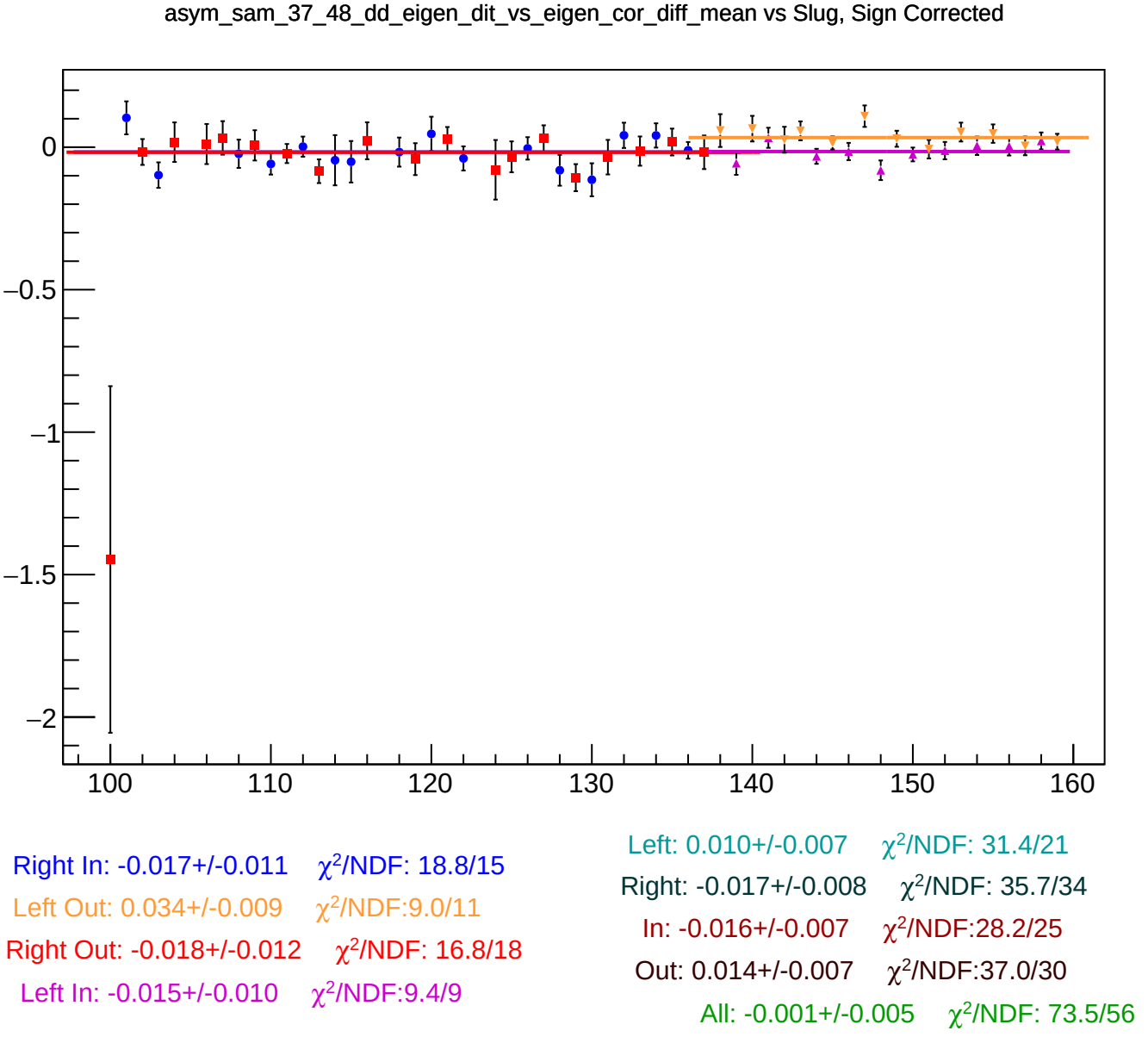
Left: 28.118+/-0.005 χ^2/NDF: 1084386.5/21

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

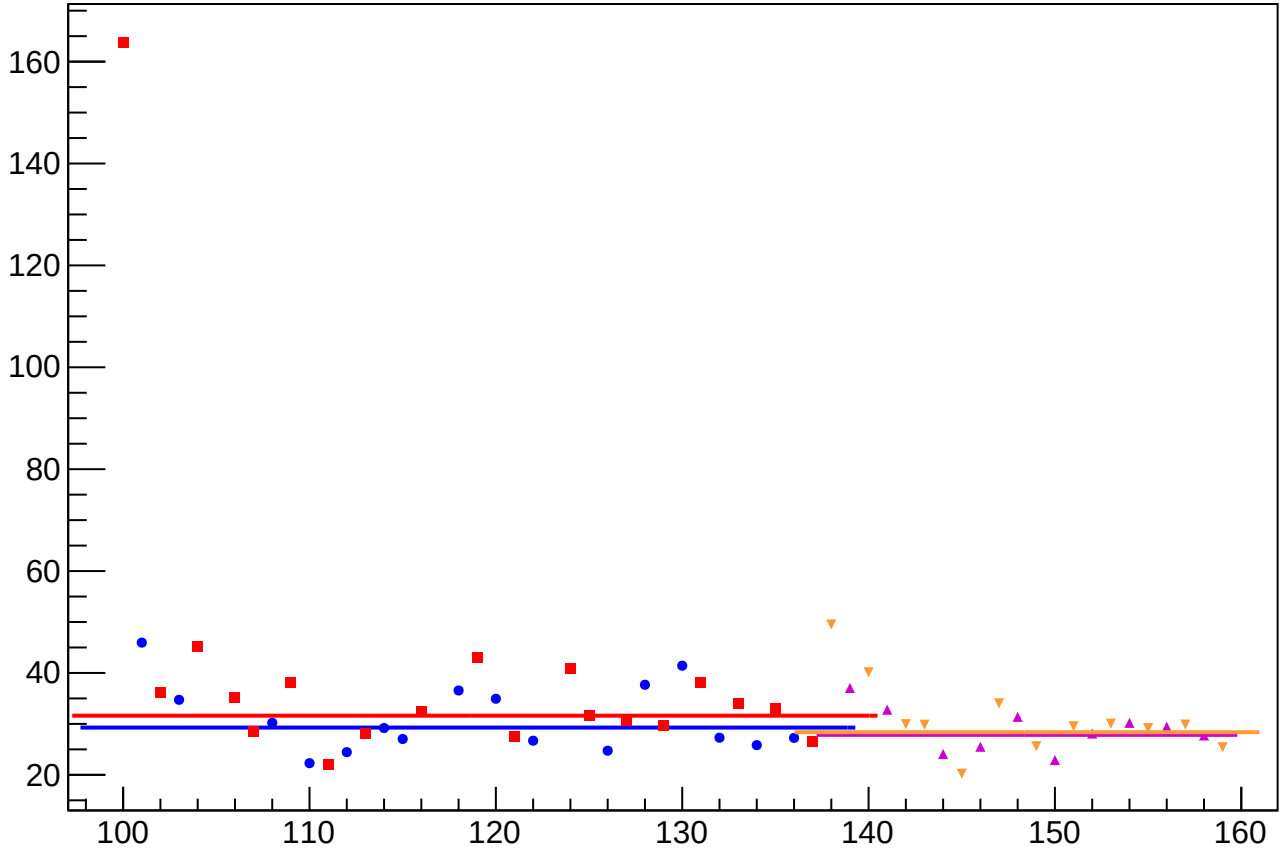
In: 28.455+/-0.005 χ^2/NDF:892376.9/25

Out: 29.603+/-0.005 χ^2/NDF:1429236.7/30

All: 29.023+/-0.004 χ^2/NDF: 2345554.3/56


asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -0.017+/-0.011 χ²/NDF: 18.8/15
Left Out: 0.034+/-0.009 χ²/NDF:9.0/11
Right Out: -0.018+/-0.012 χ²/NDF: 16.8/18
Left In: -0.015+/-0.010 χ²/NDF:9.4/9
Left: 0.010+/-0.007 χ²/NDF: 31.4/21
Right: -0.017+/-0.008 χ²/NDF: 35.7/34
In: -0.016+/-0.007 χ²/NDF:28.2/25
Out: 0.014+/-0.007 χ²/NDF:37.0/30
All: -0.001+/-0.005 χ²/NDF: 73.5/56

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: 28.370+/-0.007 χ^2/NDF:767990.9/11

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

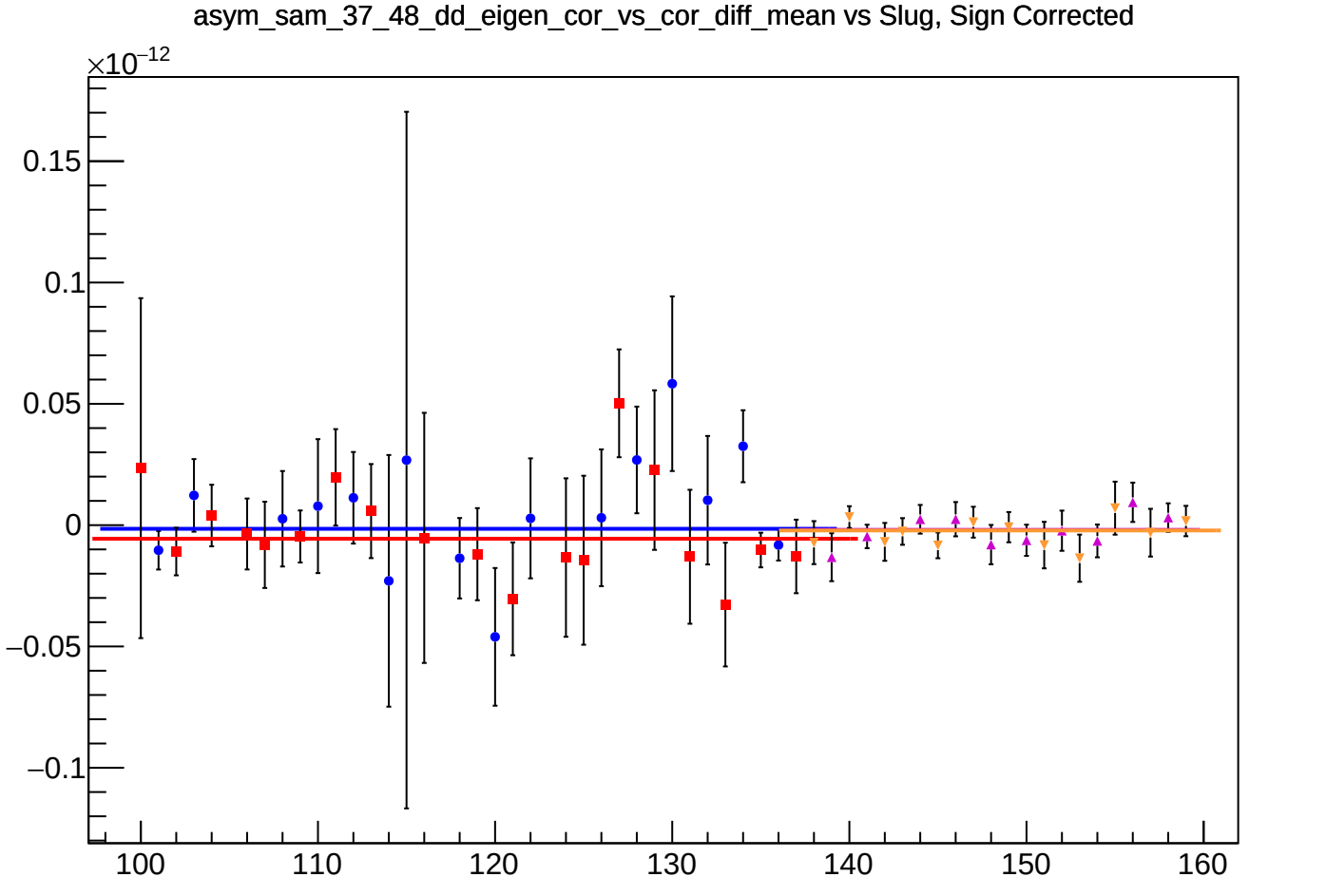
Left: 28.118+/-0.005 χ^2/NDF: 1084386.5/21

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

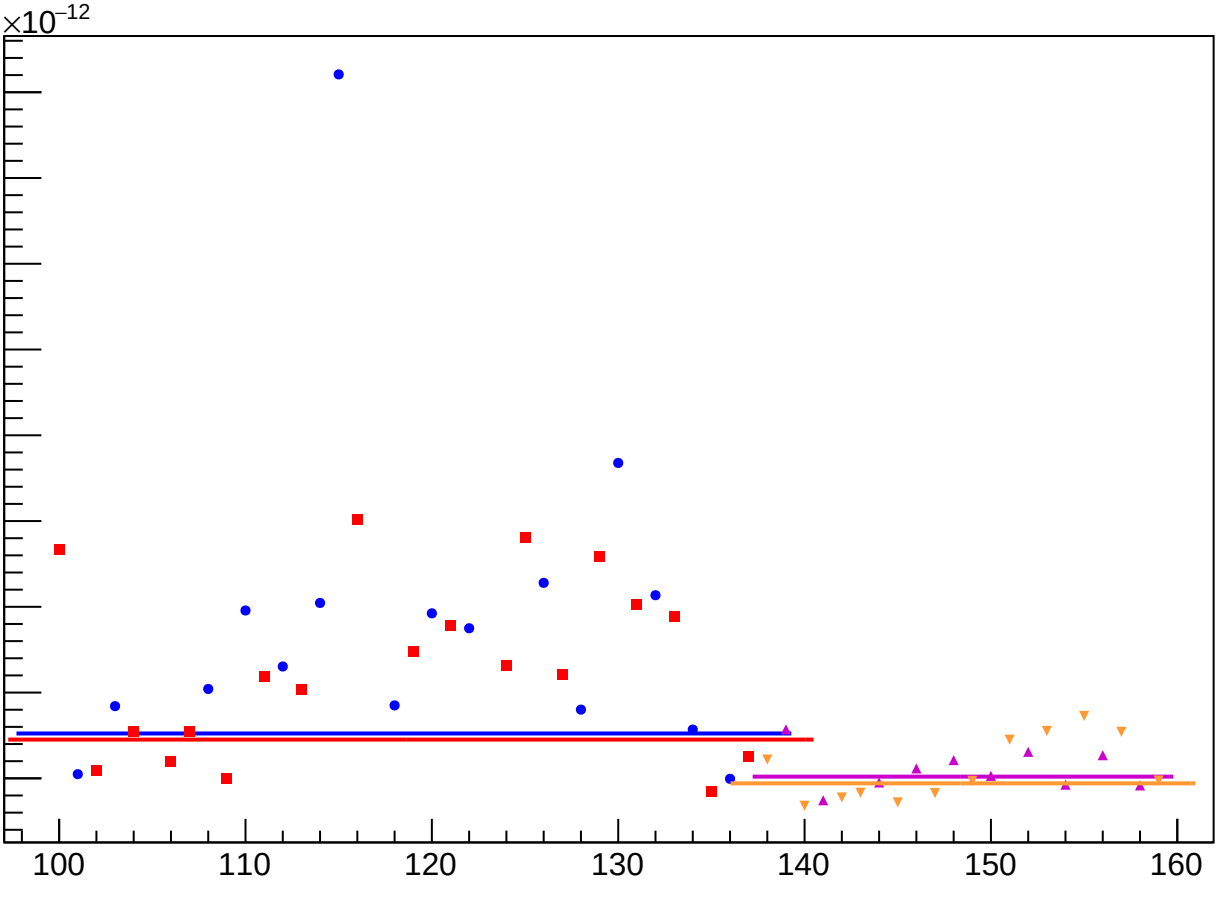
In: 28.455+/-0.005 χ^2/NDF:892376.9/25

Out: 29.603+/-0.005 χ^2/NDF:1429236.7/30

All: 29.023+/-0.004 χ^2/NDF: 2345554.3/56


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:6.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:6.7/9
Left: -0.000+/-0.000 χ²/NDF: 13.5/21
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:23.7/25
Out: -0.000+/-0.000 χ²/NDF:20.7/30
All: -0.000+/-0.000 χ²/NDF: 44.6/56

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:1150639.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:496508.1/9

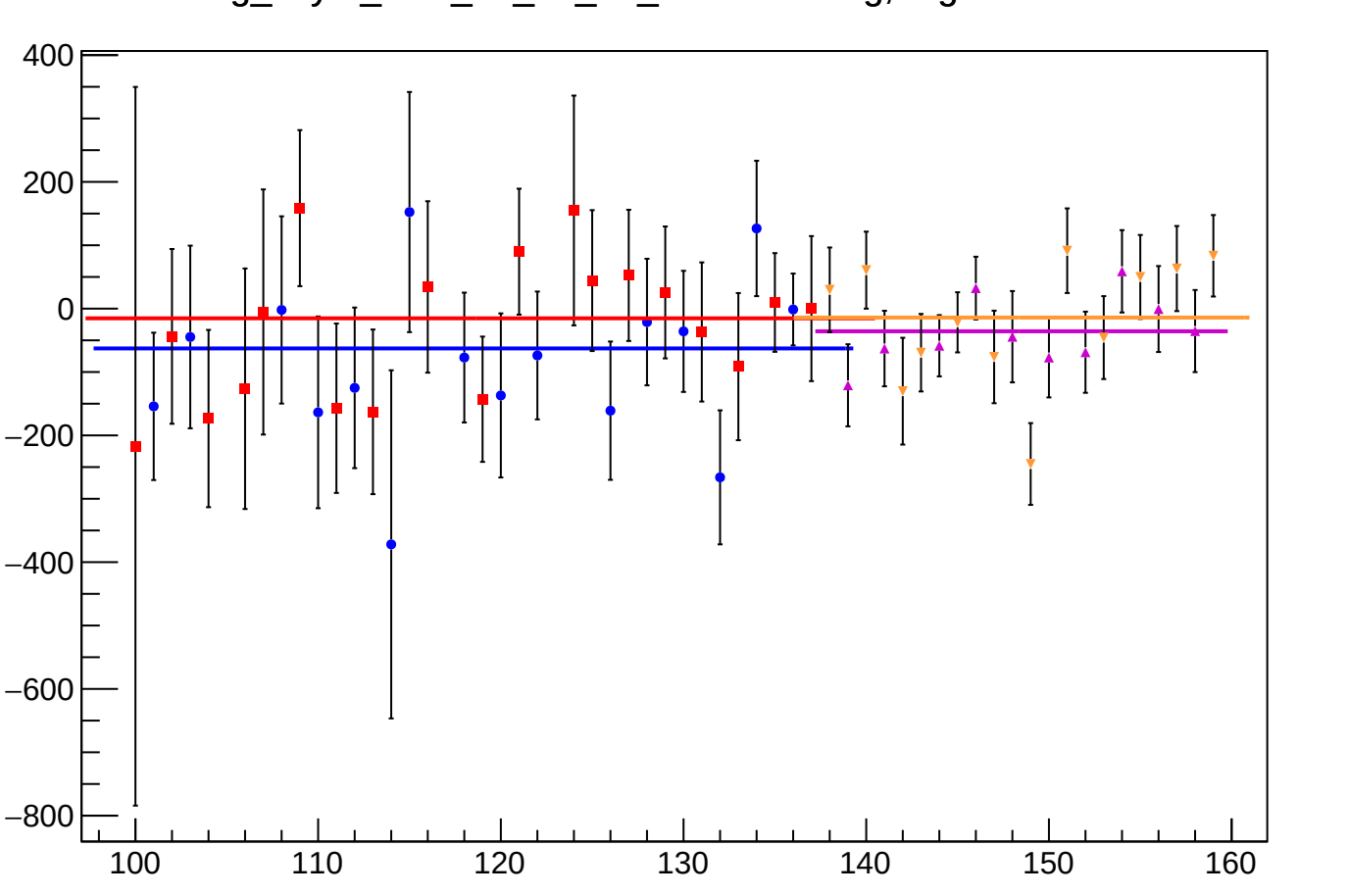
Left: 0.000+/-0.000 χ^2/NDF: 1684066.7/21

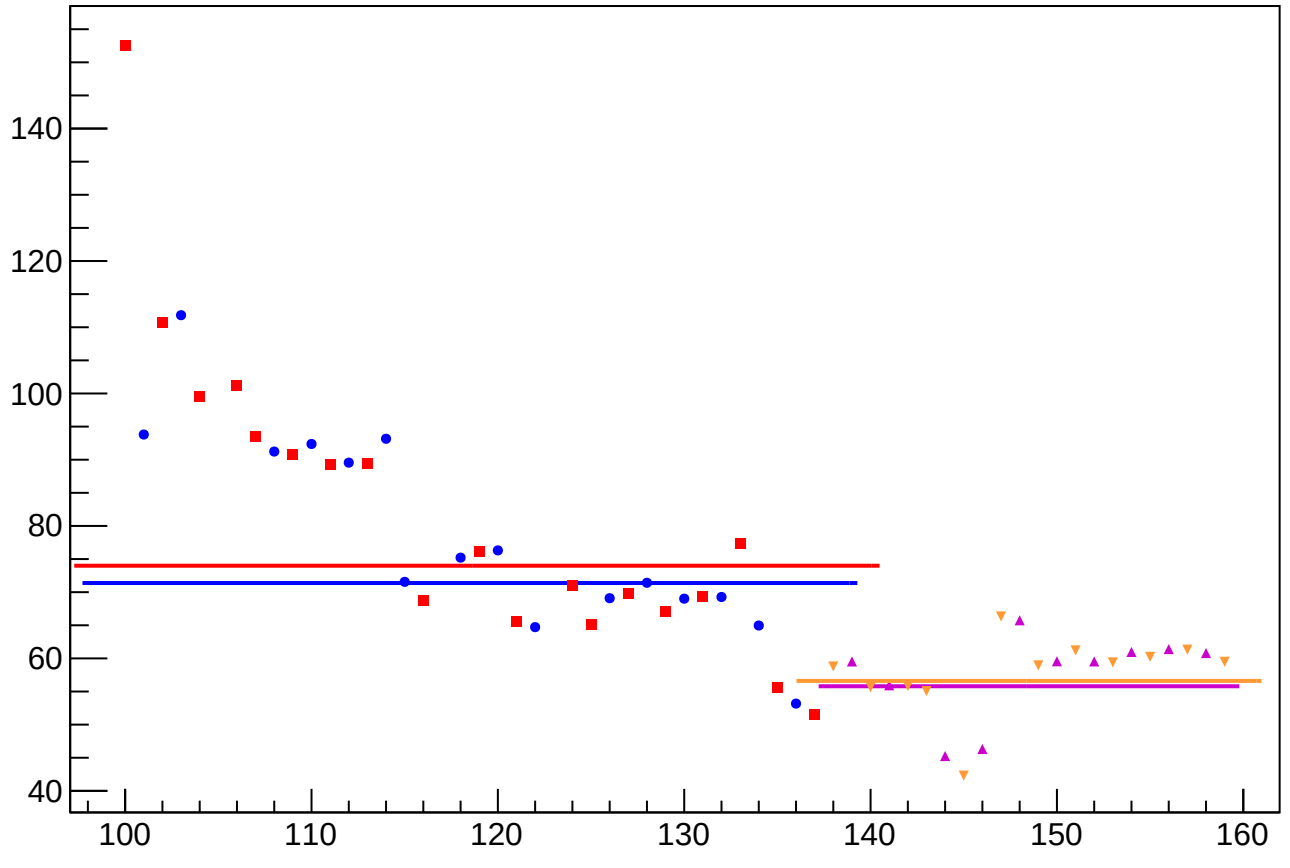
Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3180134.8/25

Out: 0.000+/-0.000 χ^2/NDF:3909697.3/30

All: 0.000+/-0.000 χ^2/NDF: 7144708.5/56


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -62.798+/-27.213 χ²/NDF: 13.5/15
Left Out: -14.075+/-18.489 χ²/NDF:25.5/11
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -35.736+/-19.113 χ²/NDF:7.2/9
Left: -24.546+/-13.289 χ²/NDF: 33.4/21
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -44.676+/-15.641 χ²/NDF:21.3/25
Out: -14.447+/-15.390 χ²/NDF:37.0/30
All: -29.317+/-10.970 χ²/NDF: 60.2/56



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.606+/-0.013 χ^2/NDF:256816.5/11

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

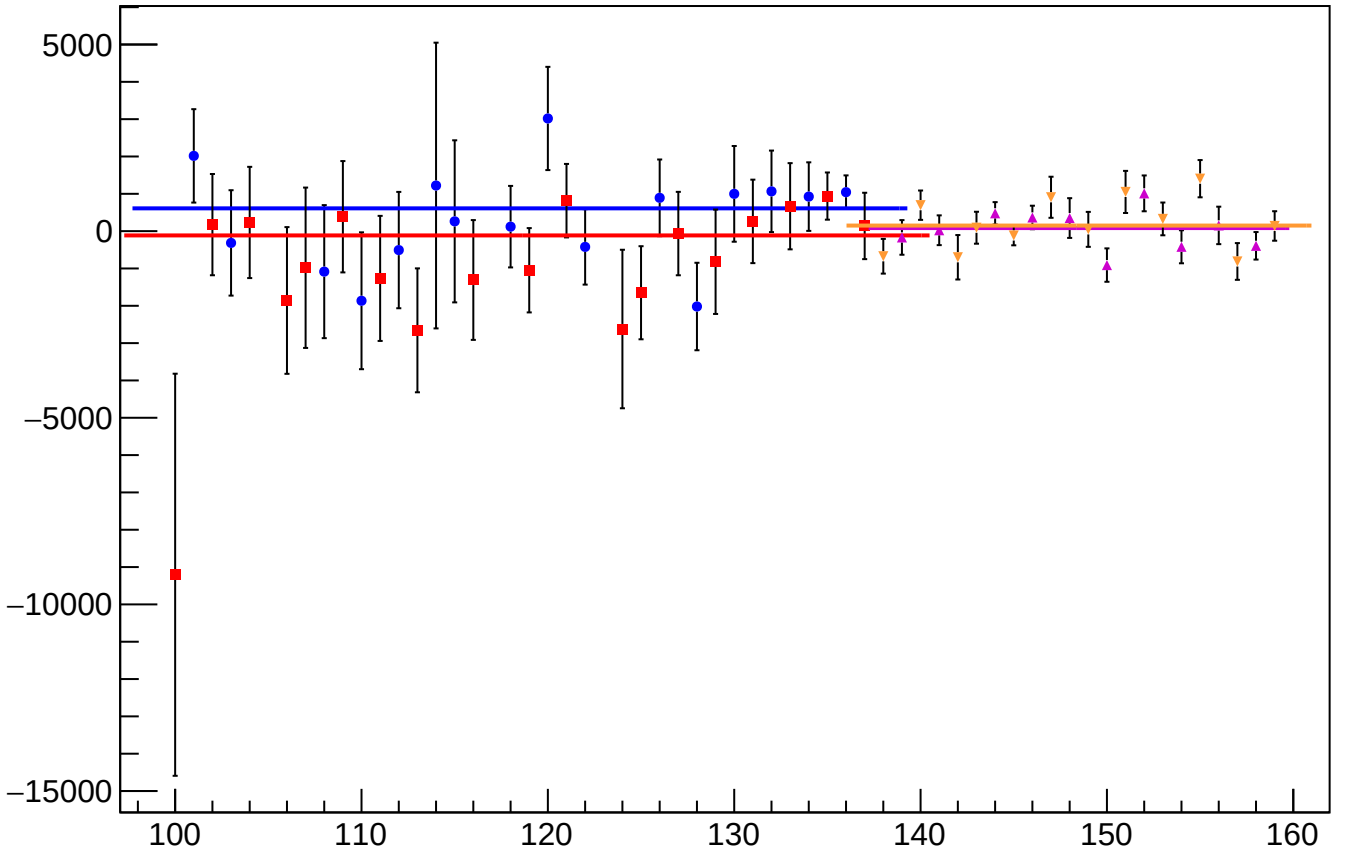
Left: 56.213+/-0.009 χ^2/NDF: 524081.9/21

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.943+/-0.011 χ^2/NDF:1295849.3/25

Out: 61.946+/-0.011 χ^2/NDF:1438565.3/30

All: 61.453+/-0.008 χ^2/NDF: 2738587.9/56



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 149.425+/-124.509 χ^2/NDF:22.9/11

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 82.363+/-127.555 χ^2/NDF:14.8/9

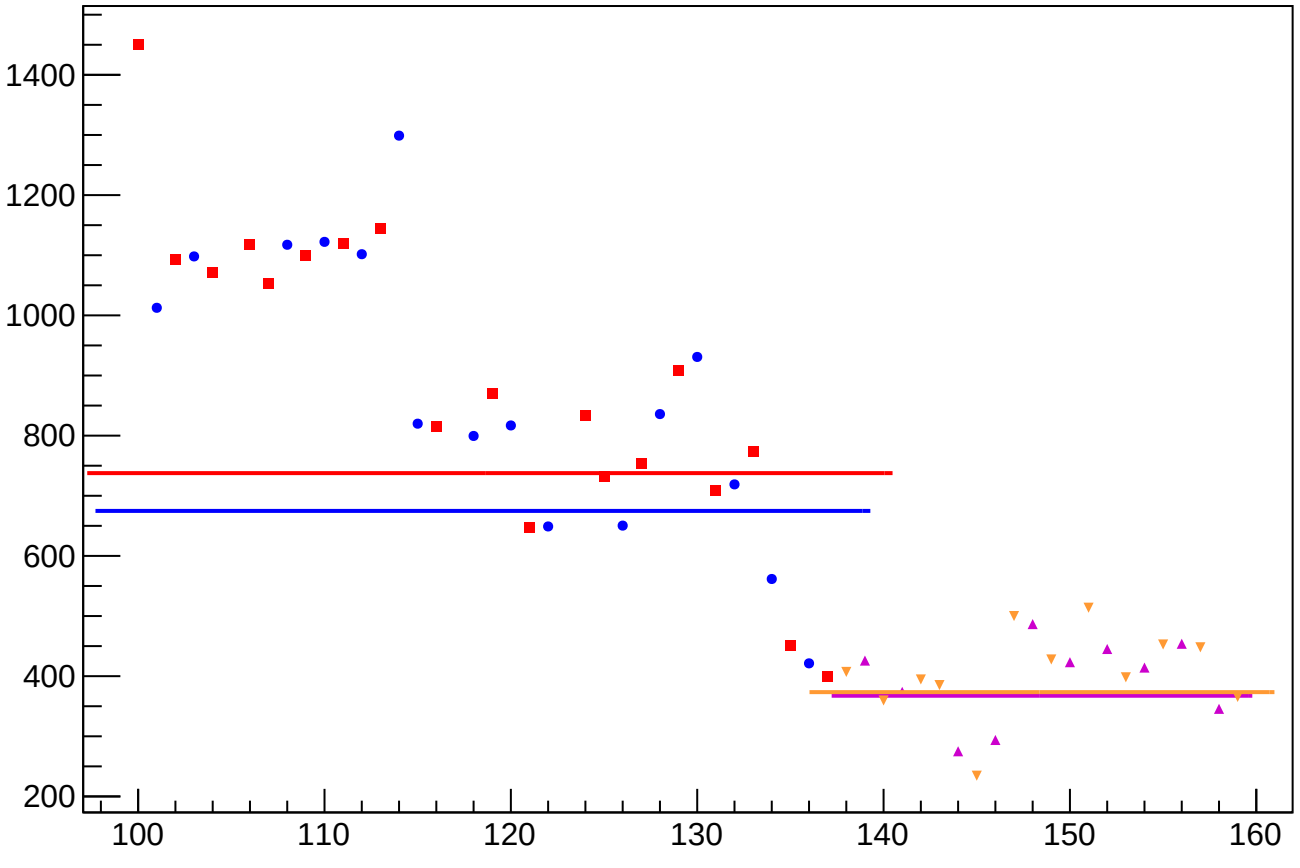
Left: 116.704+/-89.099 χ^2/NDF: 37.8/21

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 180.632+/-115.080 χ^2/NDF:33.6/25

Out: 106.932+/-114.052 χ^2/NDF:39.2/30

All: 143.451+/-81.008 χ^2/NDF: 73.1/56



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 373.461+/-0.088 χ^2/NDF:932412.3/11

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

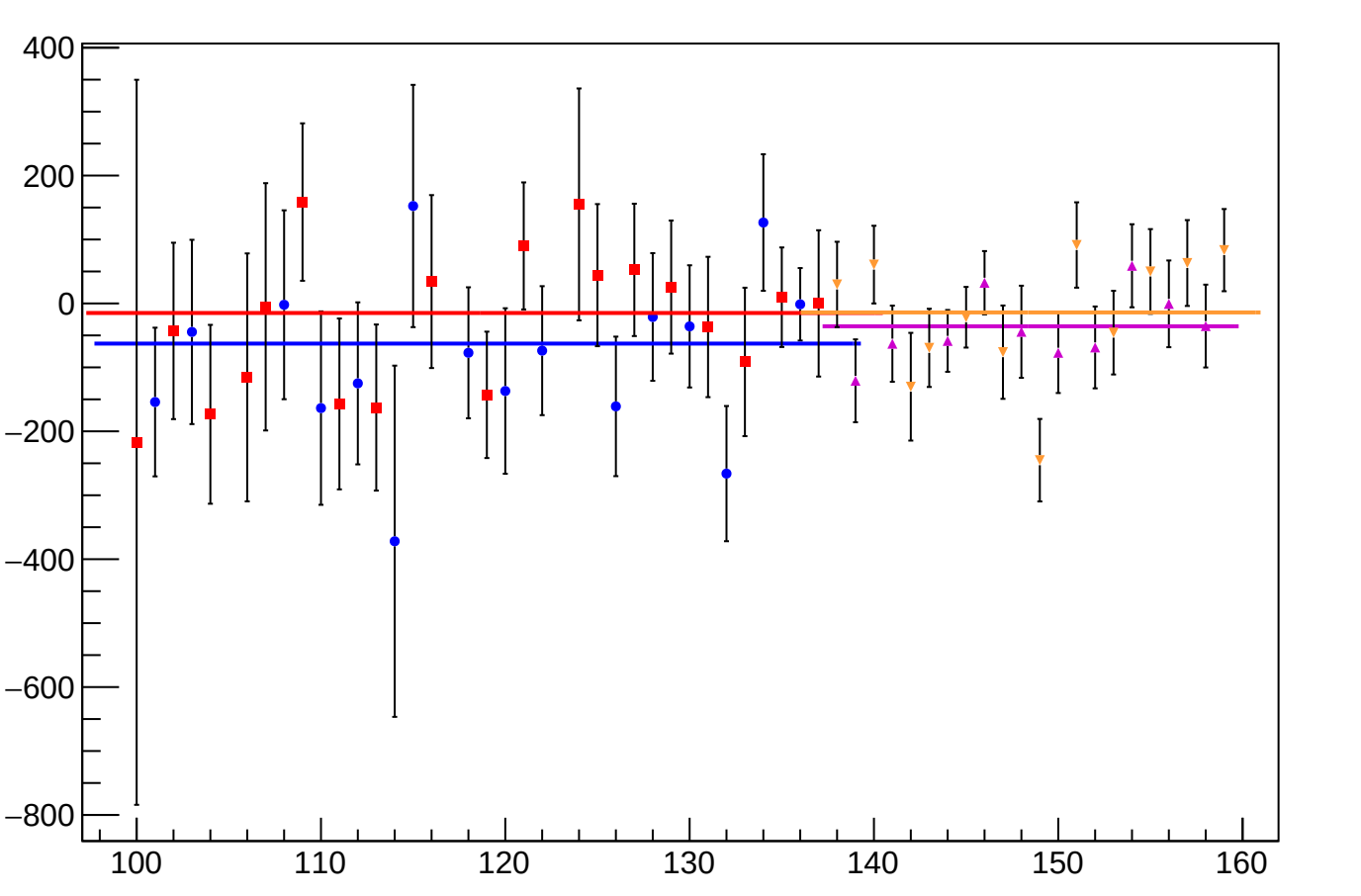
Left: 370.540+/-0.063 χ^2/NDF: 1538610.9/21

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 424.656+/-0.081 χ^2/NDF:4381950.6/25

Out: 432.071+/-0.081 χ^2/NDF:5203090.4/30

All: 428.397+/-0.057 χ^2/NDF: 9589230.1/56



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -14.078+/-18.489 χ^2/NDF:25.5/11

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -35.738+/-19.113 χ^2/NDF:7.2/9

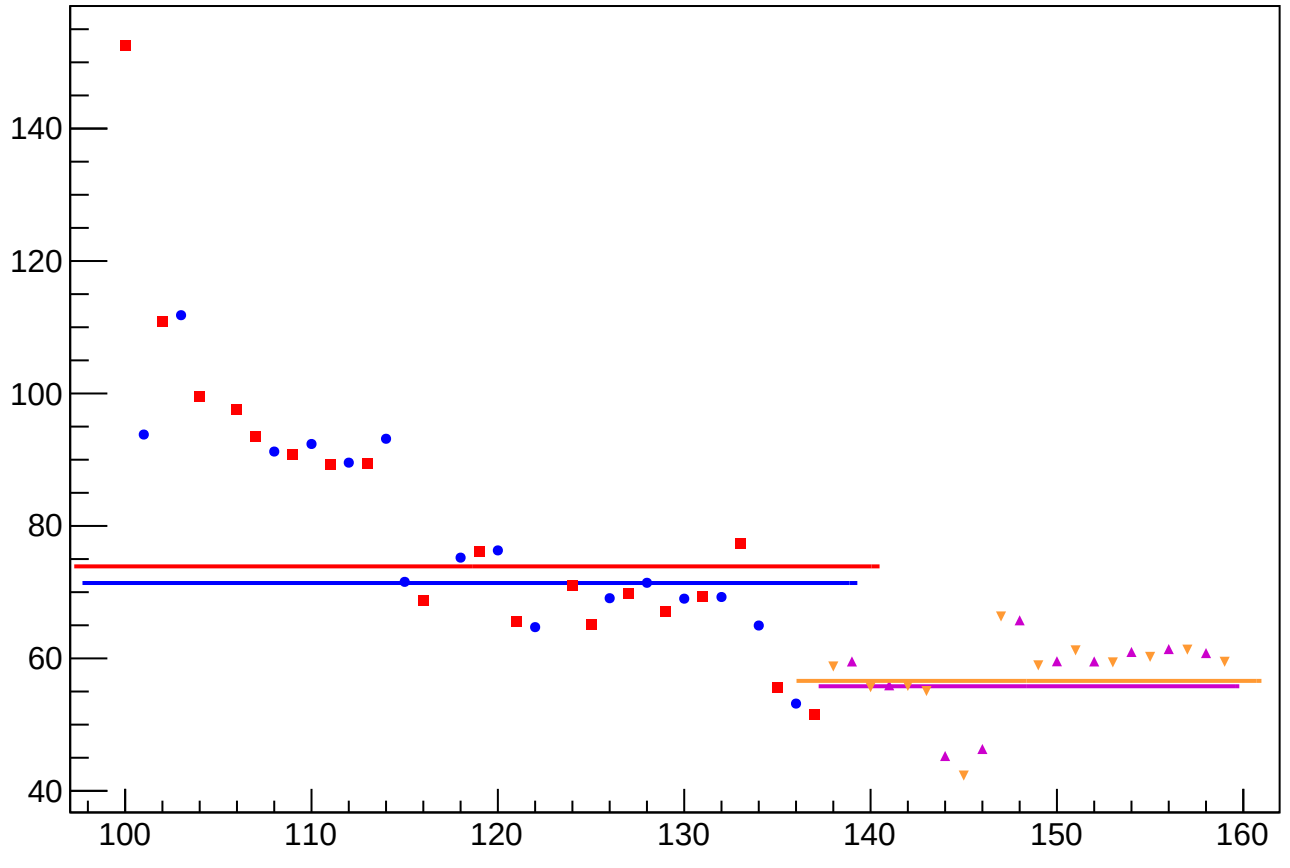
Left: -24.548+/-13.289 χ^2/NDF: 33.4/21

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -44.674+/-15.641 χ^2/NDF:21.3/25

Out: -14.340+/-15.392 χ^2/NDF:36.9/30

All: -29.264+/-10.971 χ^2/NDF: 60.1/56



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.606+/-0.013 χ^2/NDF:256816.5/11

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

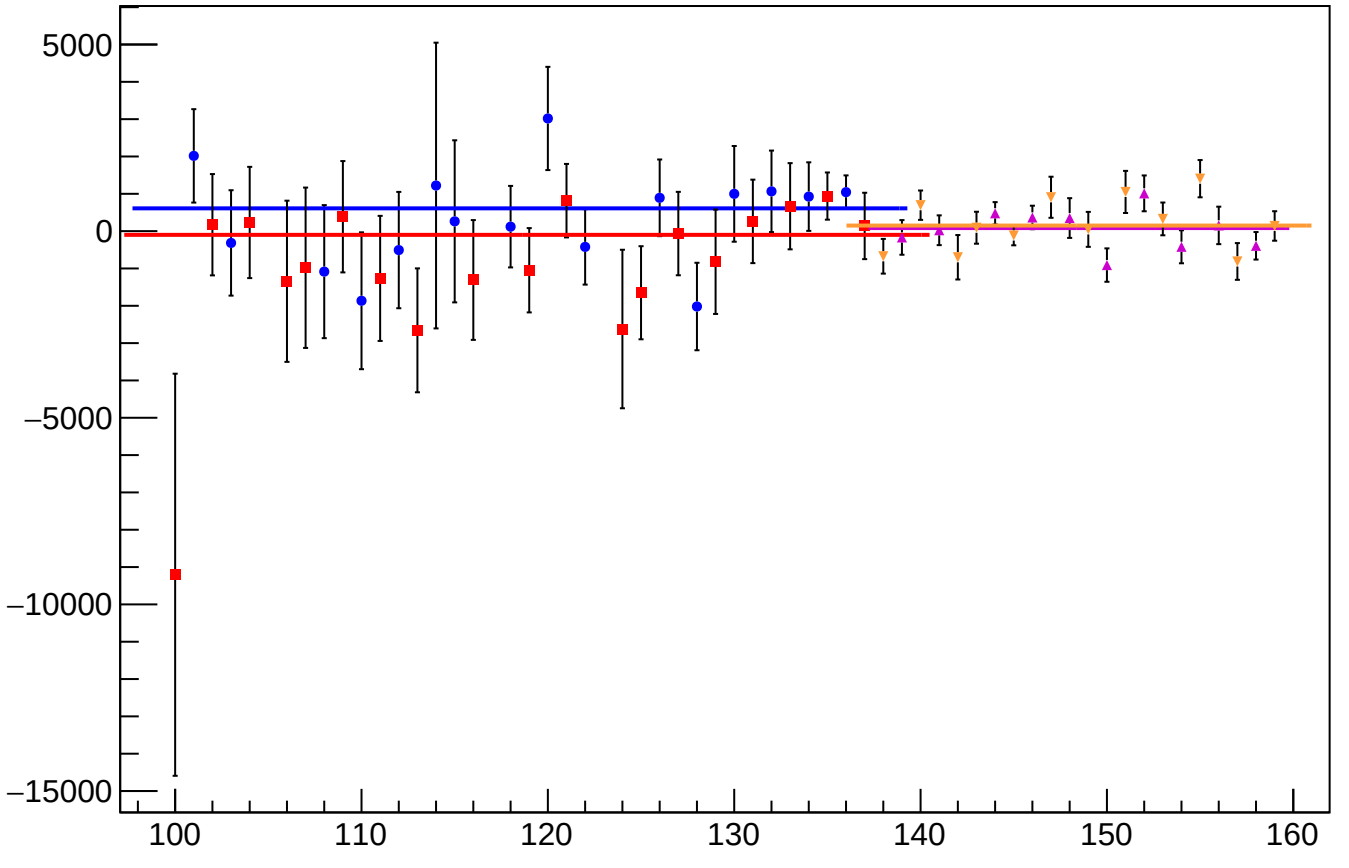
Left: 56.213+/-0.009 χ^2/NDF: 524081.9/21

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.943+/-0.011 χ^2/NDF:1295852.0/25

Out: 61.912+/-0.011 χ^2/NDF:1420563.9/30

All: 61.435+/-0.008 χ^2/NDF: 2720309.1/56



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 149.421+/-124.509 χ^2/NDF:22.9/11

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 82.360+/-127.555 χ^2/NDF:14.8/9

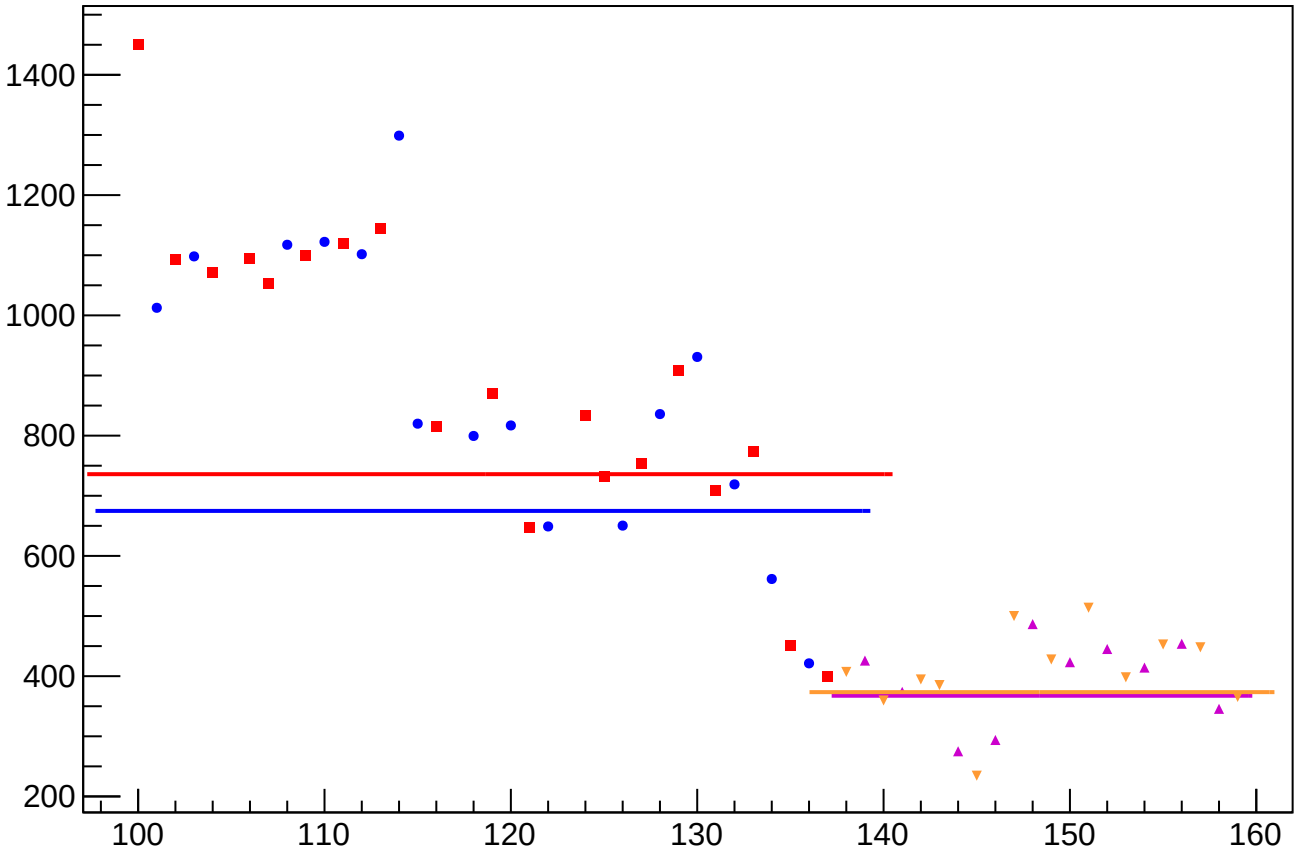
Left: 116.701+/-89.099 χ^2/NDF: 37.8/21

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 180.627+/-115.080 χ^2/NDF:33.6/25

Out: 109.478+/-114.085 χ^2/NDF:38.7/30

All: 144.744+/-81.020 χ^2/NDF: 72.5/56



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 373.461+/-0.088 χ^2/NDF:932419.5/11

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

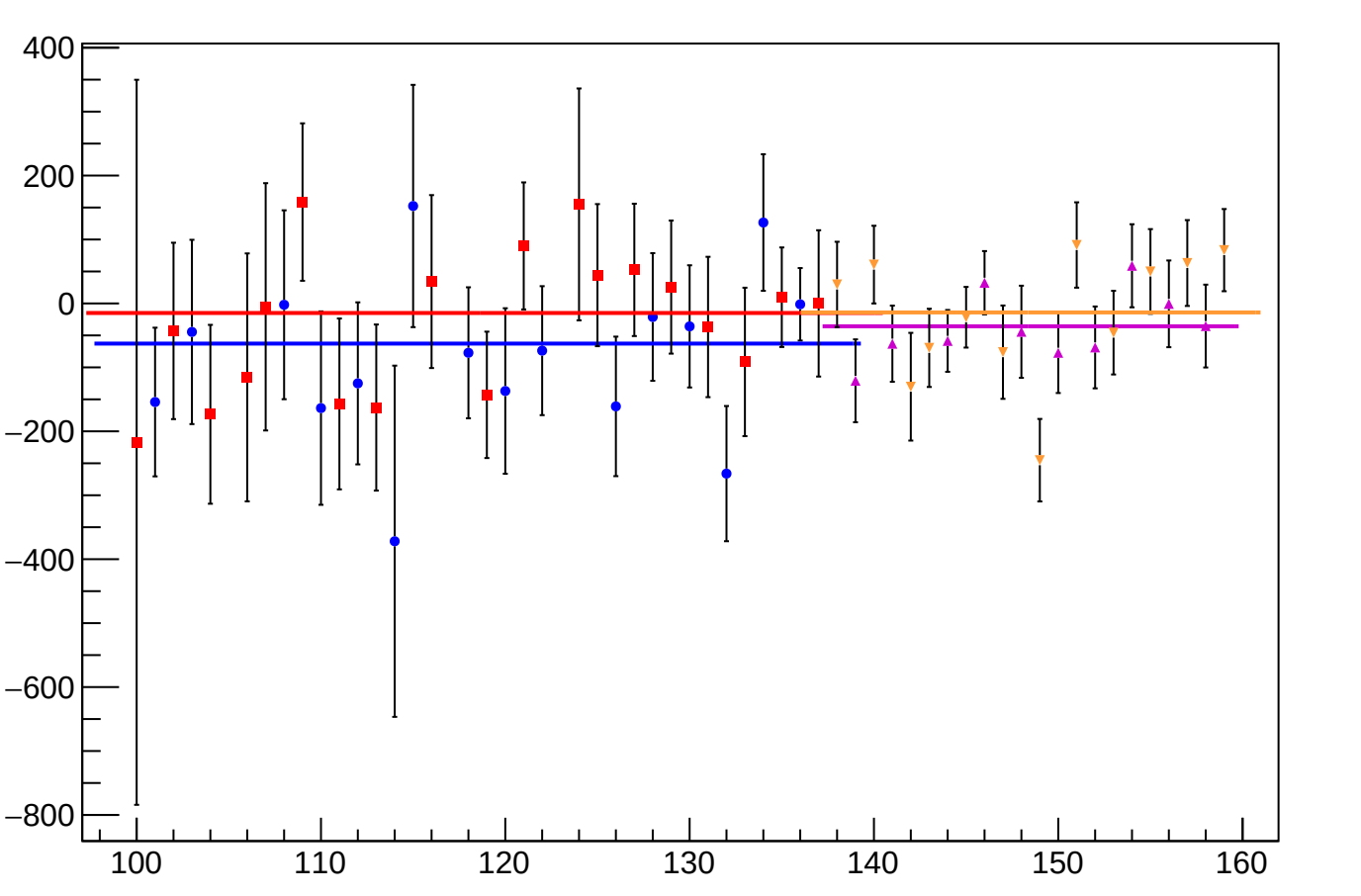
Left: 370.540+/-0.063 χ^2/NDF: 1538618.0/21

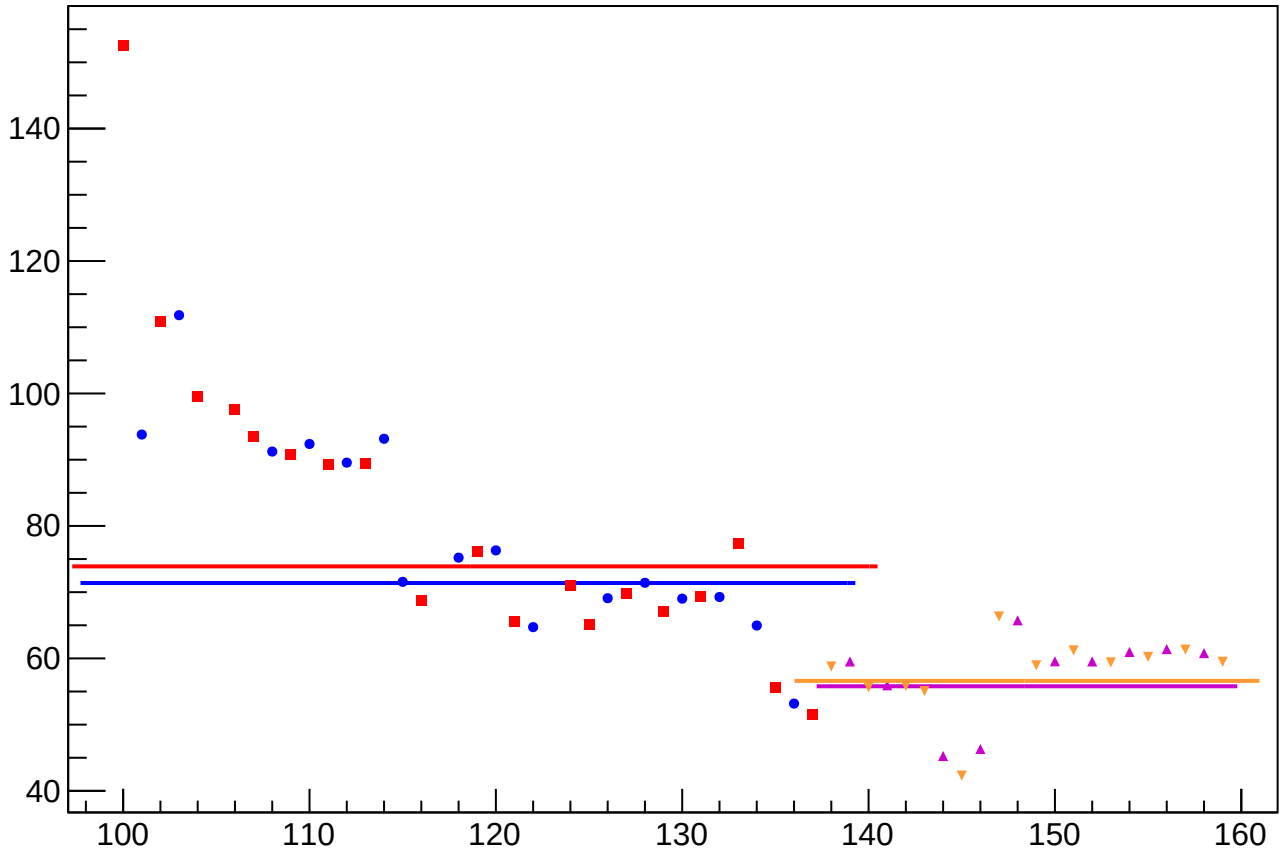
Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 424.656+/-0.081 χ^2/NDF:4381975.1/25

Out: 431.610+/-0.081 χ^2/NDF:5148516.3/30

All: 428.163+/-0.057 χ^2/NDF: 9534174.9/56


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -62.789+/-27.213 χ²/NDF: 13.5/15
Left Out: -14.078+/-18.489 χ²/NDF:25.5/11
Right Out: -14.932+/-27.783 χ²/NDF: 11.4/18
Left In: -35.738+/-19.113 χ²/NDF:7.2/9
Left: -24.548+/-13.289 χ²/NDF: 33.4/21
Right: -39.357+/-19.441 χ²/NDF: 26.4/34
In: -44.674+/-15.641 χ²/NDF:21.3/25
Out: -14.340+/-15.392 χ²/NDF:36.9/30
All: -29.264+/-10.971 χ²/NDF: 60.1/56



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.606+/-0.013 χ^2/NDF:256816.5/11

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

Left: 56.213+/-0.009 χ^2/NDF: 524081.9/21

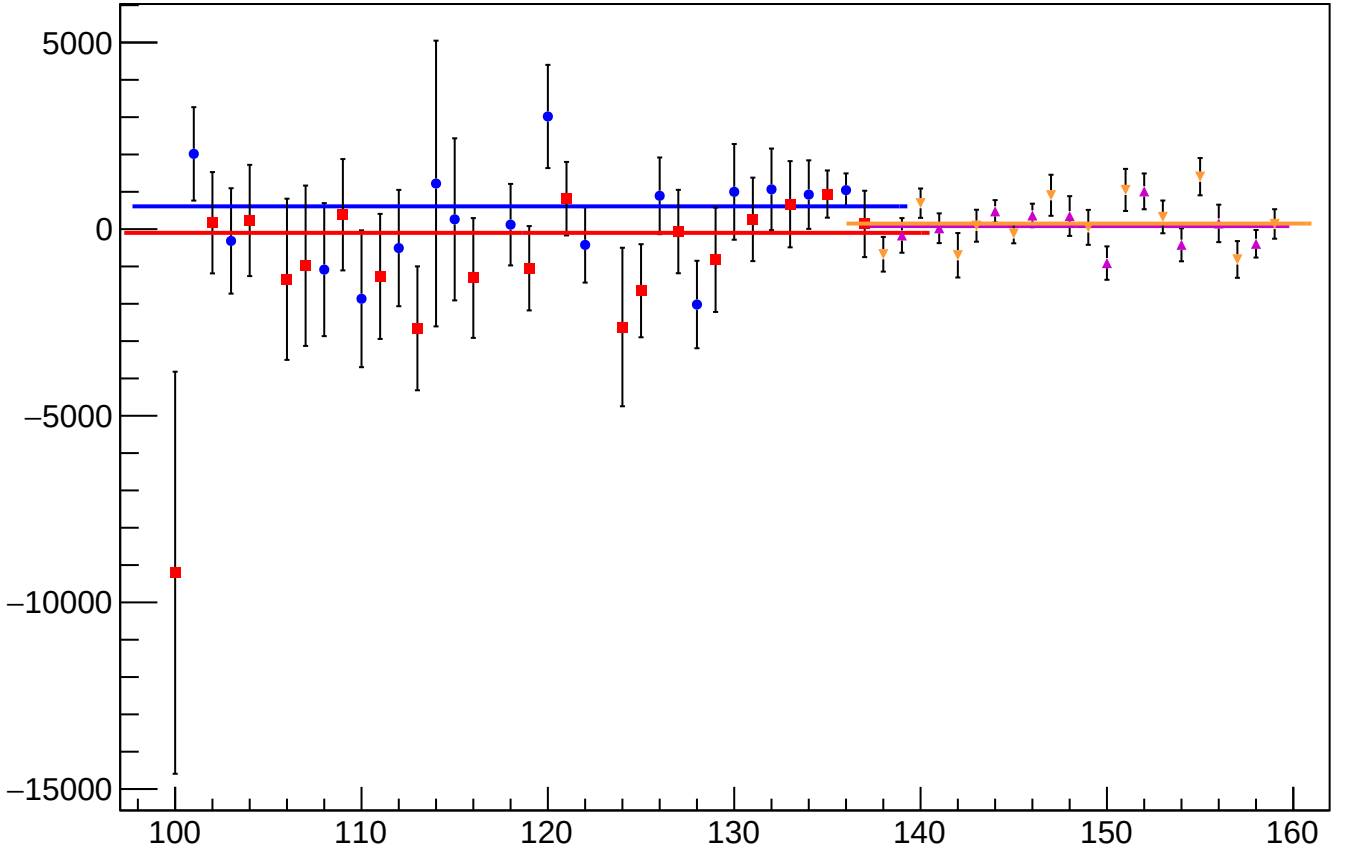
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.943+/-0.011 χ^2/NDF:1295852.0/25

Out: 61.912+/-0.011 χ^2/NDF:1420563.9/30

All: 61.435+/-0.008 χ^2/NDF: 2720309.1/56

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 149.421+/-124.509 χ^2/NDF:22.9/11

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 82.360+/-127.555 χ^2/NDF:14.8/9

Left: 116.701+/-89.099 χ^2/NDF: 37.8/21

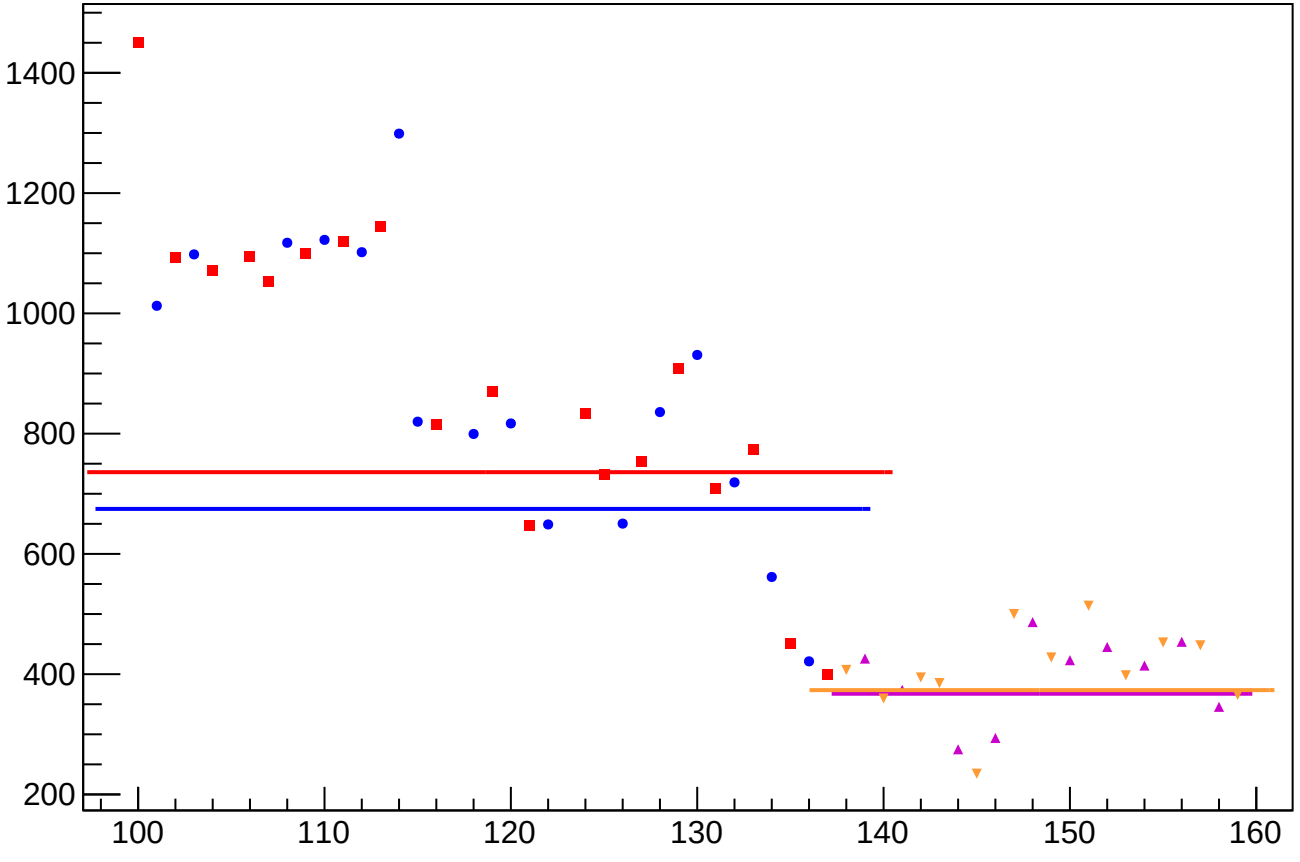
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 180.627+/-115.080 χ^2/NDF:33.6/25

Out: 109.478+/-114.085 χ^2/NDF:38.7/30

All: 144.744+/-81.020 χ^2/NDF: 72.5/56

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 373.461+/-0.088 χ^2/NDF:932419.5/11

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

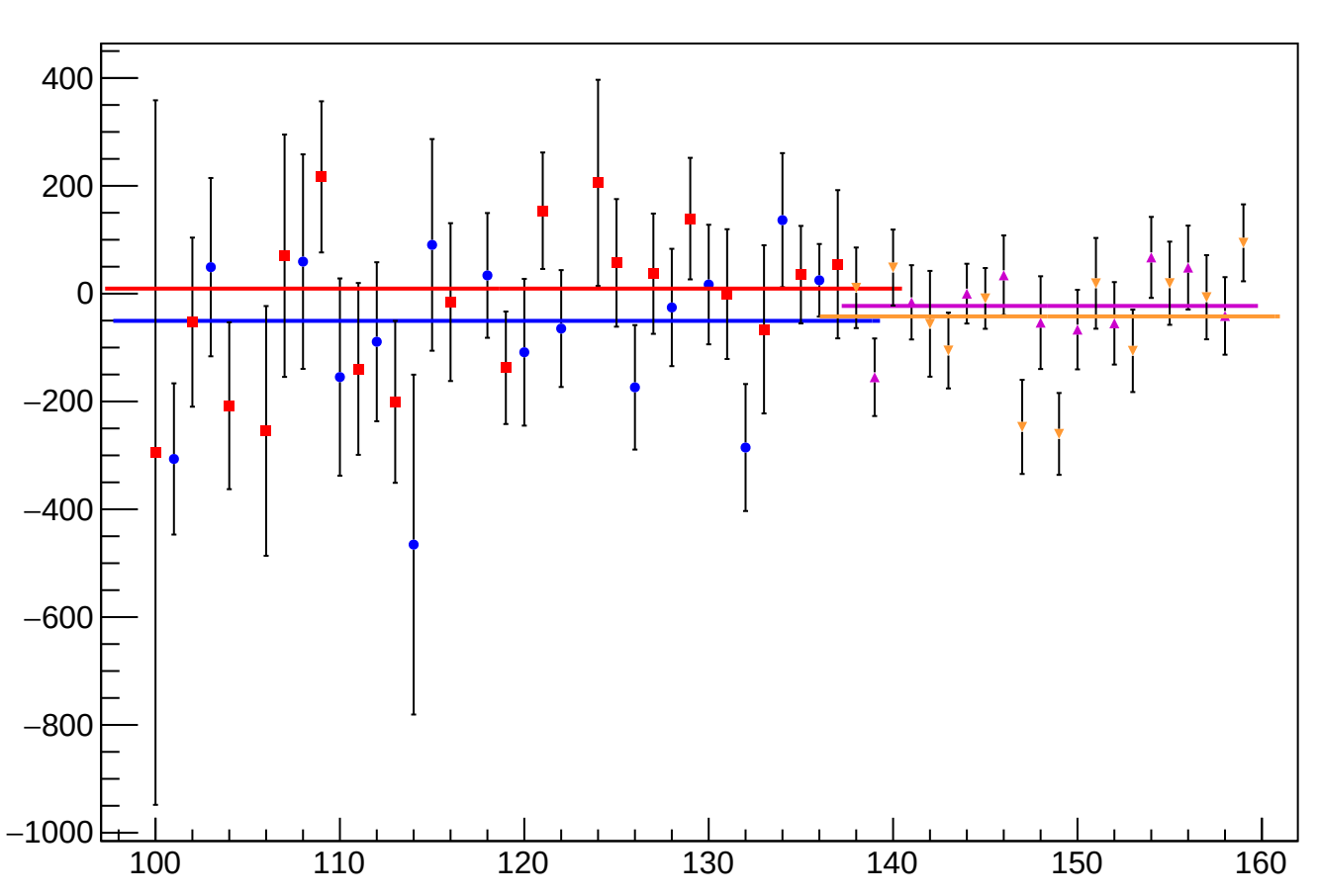
Left: 370.540+/-0.063 χ^2/NDF: 1538618.0/21

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 424.656+/-0.081 χ^2/NDF:4381975.1/25

Out: 431.610+/-0.081 χ^2/NDF:5148516.3/30

All: 428.163+/-0.057 χ^2/NDF: 9534174.9/56



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -42.195+/-21.580 χ^2/NDF:22.8/11

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -22.784+/-22.717 χ^2/NDF:7.1/9

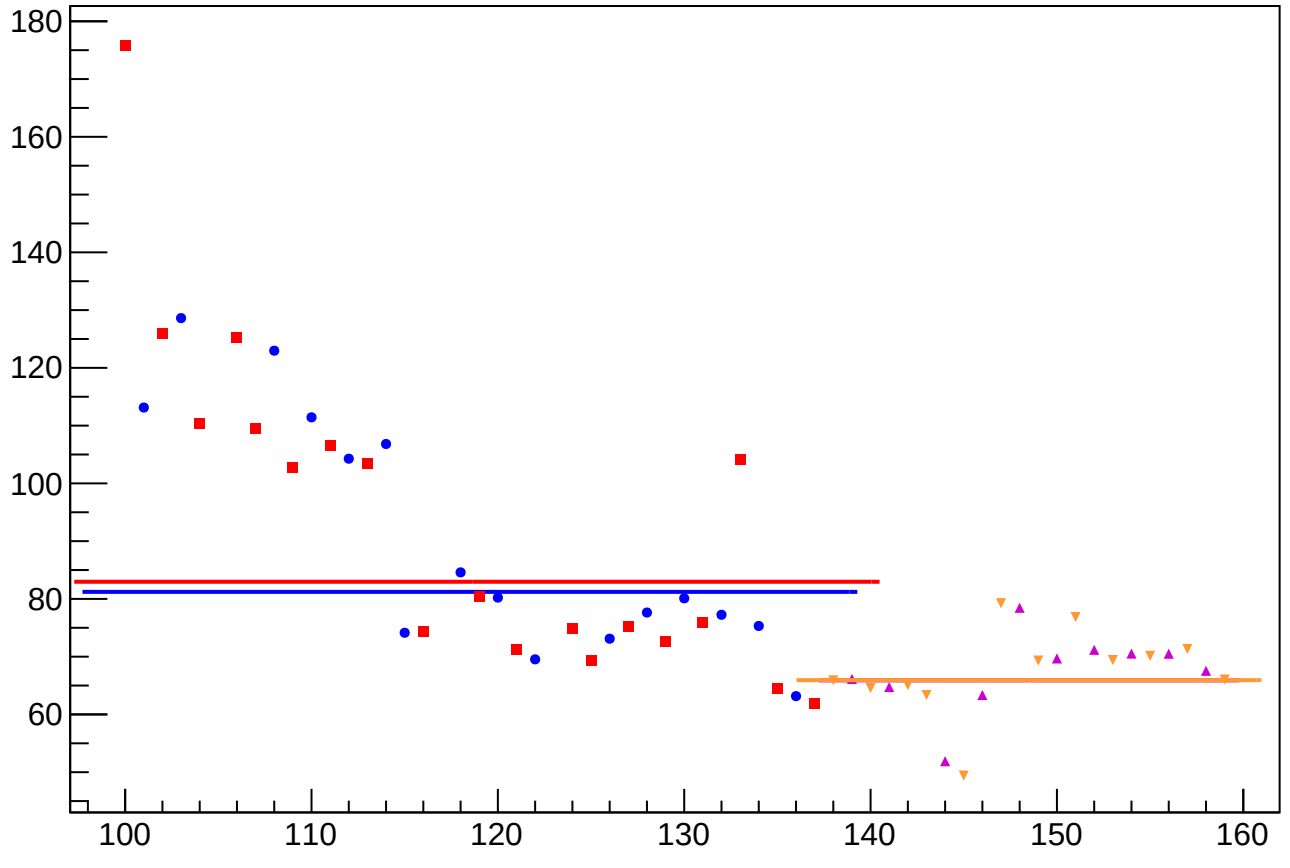
Left: -32.987+/-15.646 χ^2/NDF: 30.4/21

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -32.431+/-18.336 χ^2/NDF:24.1/25

Out: -25.530+/-17.755 χ^2/NDF:40.2/30

All: -28.869+/-12.755 χ^2/NDF: 64.4/56



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.933+/-0.015 χ^2/NDF:279339.2/11

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.893+/-0.016 χ^2/NDF:203695.3/9

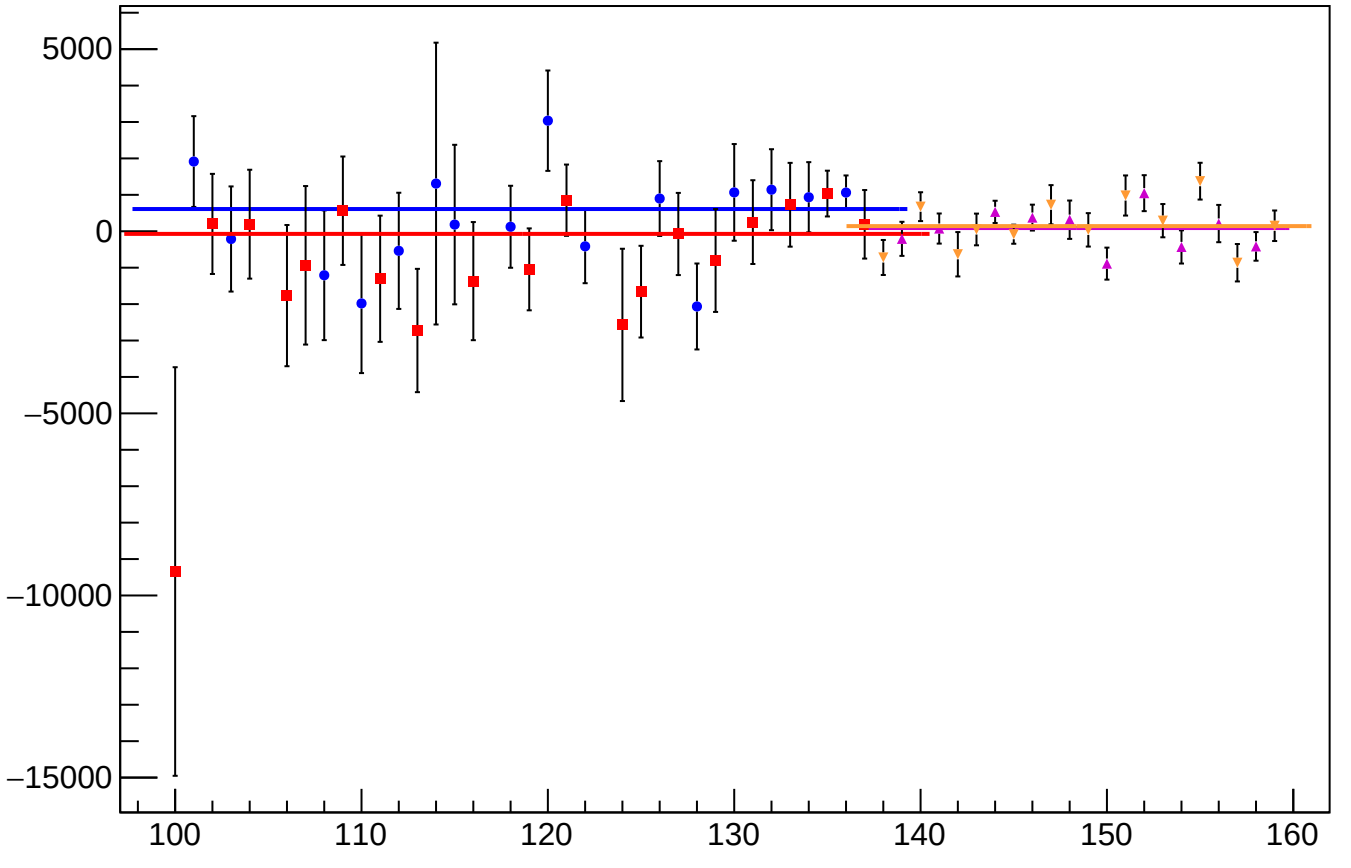
Left: 65.914+/-0.011 χ^2/NDF: 483037.8/21

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.234+/-0.013 χ^2/NDF:1183754.9/25

Out: 71.438+/-0.013 χ^2/NDF:1412515.5/30

All: 71.339+/-0.009 χ^2/NDF: 2596399.2/56



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 141.139+/-126.086 χ^2/NDF:20.9/11

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 88.265+/-132.364 χ^2/NDF:15.1/9

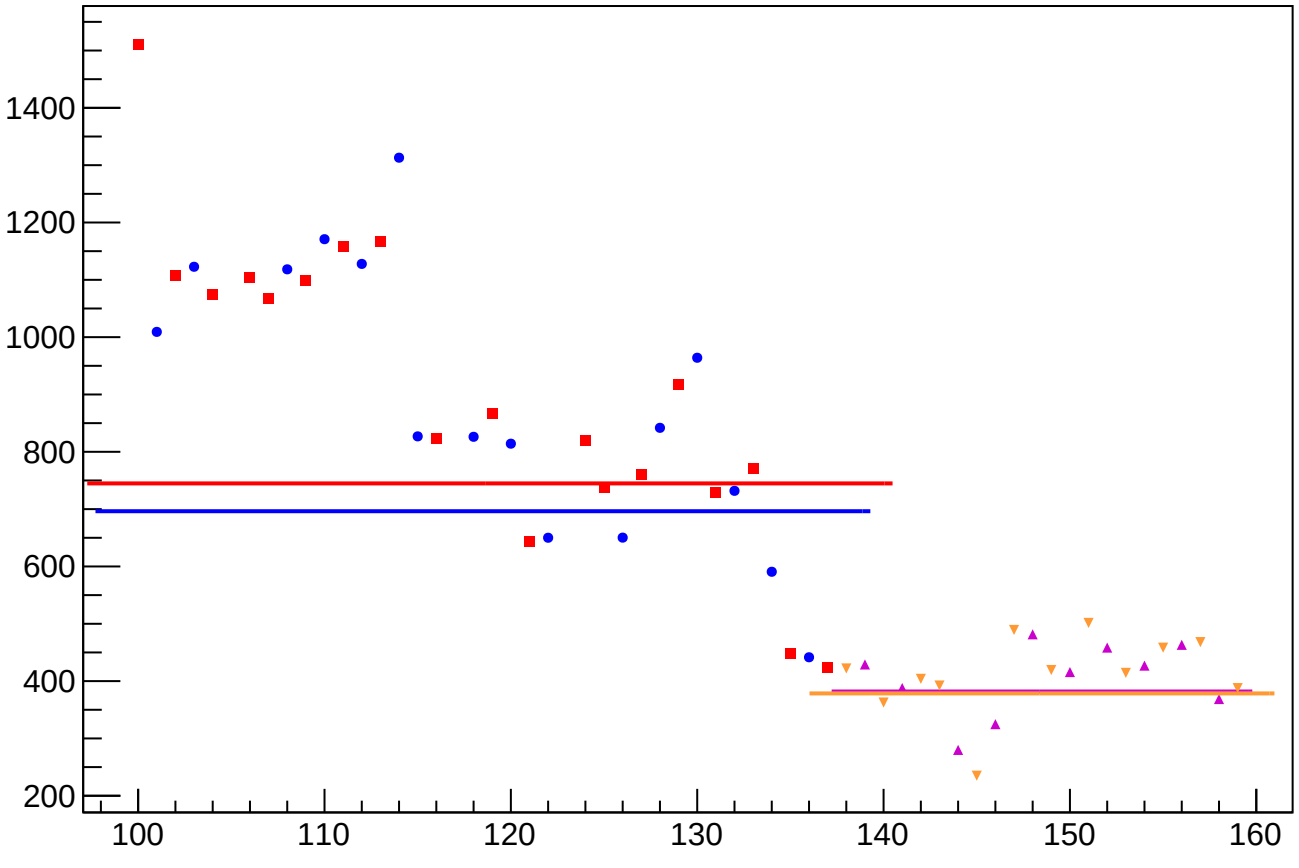
Left: 115.986+/-91.295 χ^2/NDF: 36.0/21

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 187.066+/-119.184 χ^2/NDF:33.8/25

Out: 106.573+/-115.426 χ^2/NDF:37.5/30

All: 145.530+/-82.915 χ^2/NDF: 71.6/56



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 378.539+/-0.089 χ^2/NDF:948048.7/11

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 381.866+/-0.094 χ^2/NDF:499322.4/9

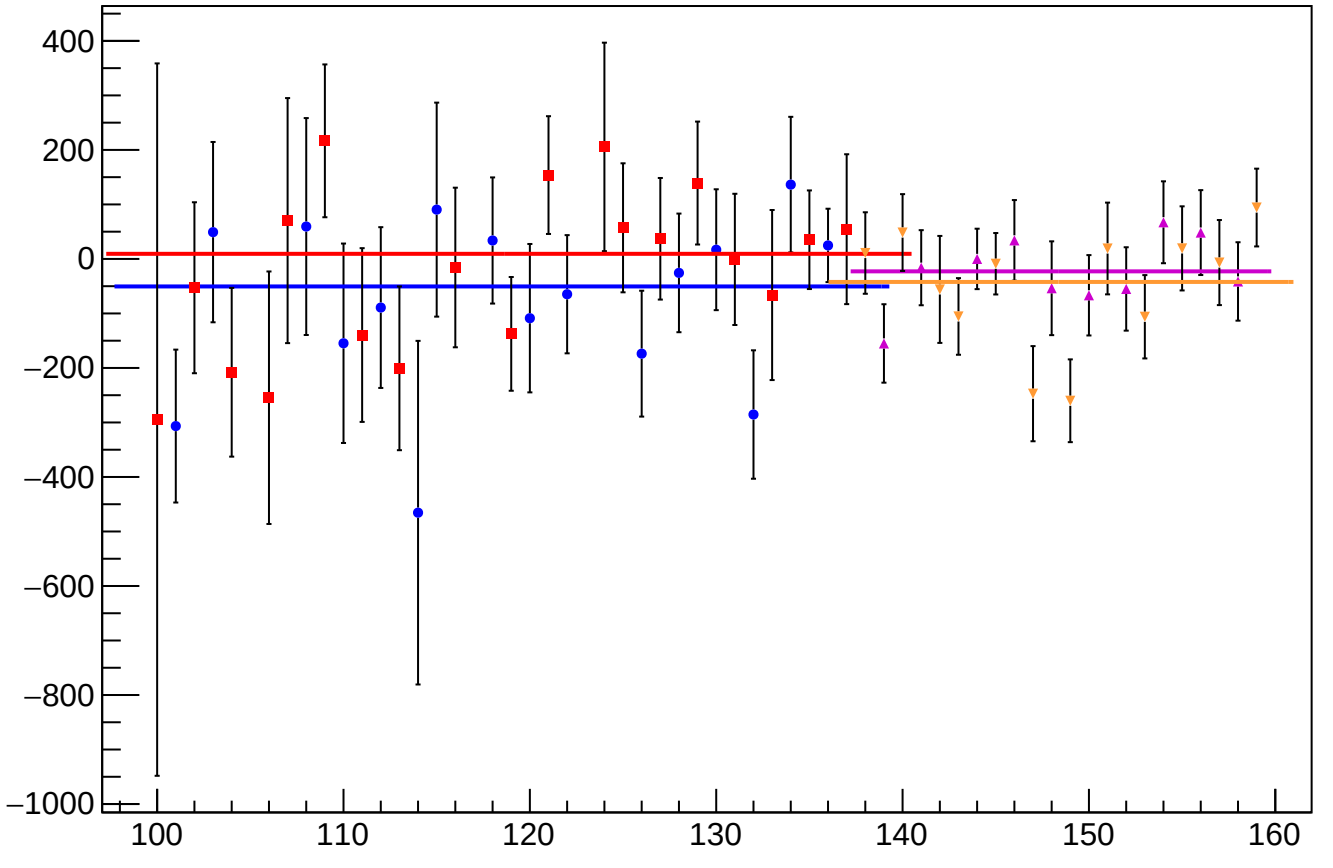
Left: 380.122+/-0.065 χ^2/NDF: 1448033.7/21

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 441.380+/-0.084 χ^2/NDF:4151471.1/25

Out: 437.864+/-0.082 χ^2/NDF:5180508.9/30

All: 439.566+/-0.059 χ^2/NDF: 9332878.4/56



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -42.195+/-21.580 χ^2/NDF:22.8/11

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -22.783+/-22.717 χ^2/NDF:7.1/9

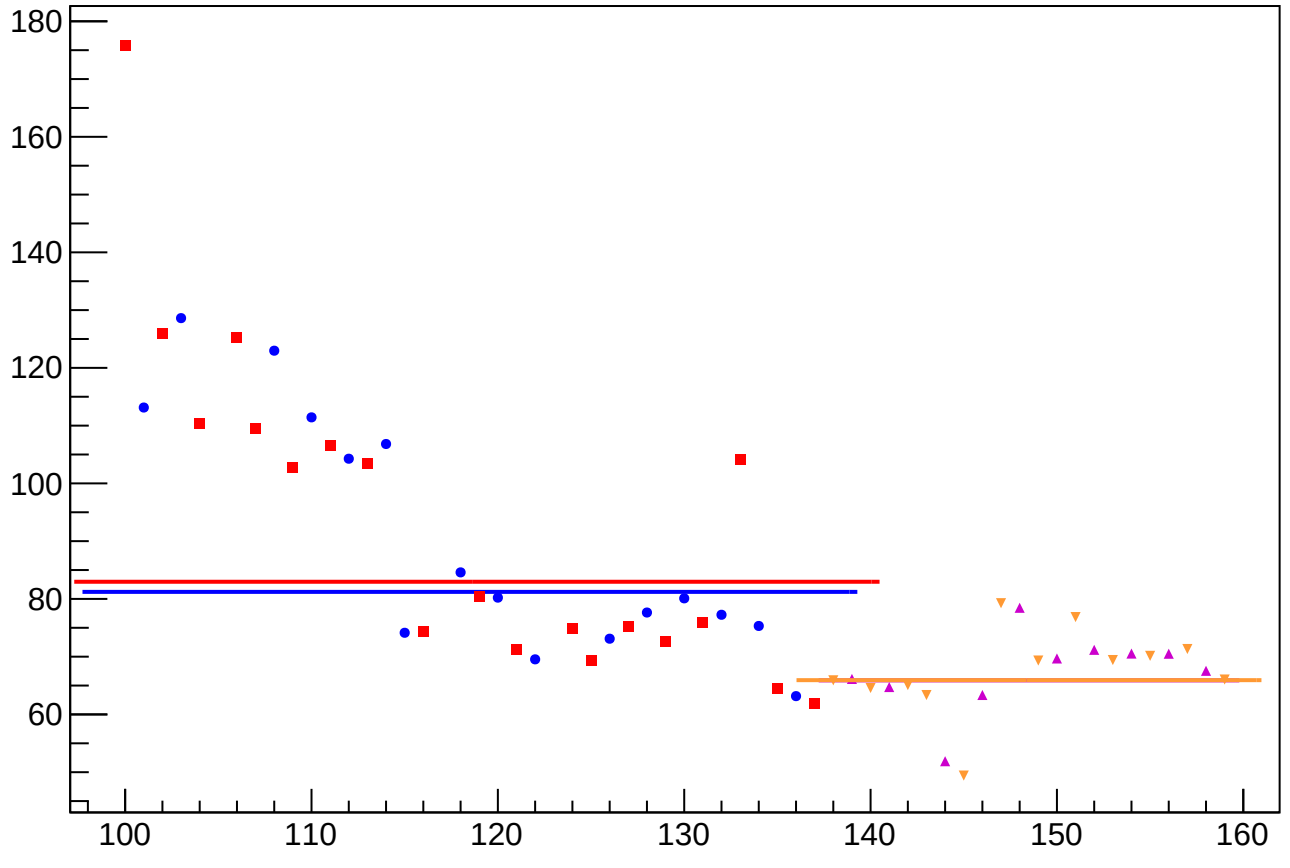
Left: -32.987+/-15.646 χ^2/NDF: 30.4/21

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -32.430+/-18.336 χ^2/NDF:24.1/25

Out: -25.530+/-17.755 χ^2/NDF:40.2/30

All: -28.869+/-12.755 χ^2/NDF: 64.4/56



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.934+/-0.015 χ^2/NDF:279334.1/11

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.893+/-0.016 χ^2/NDF:203693.2/9

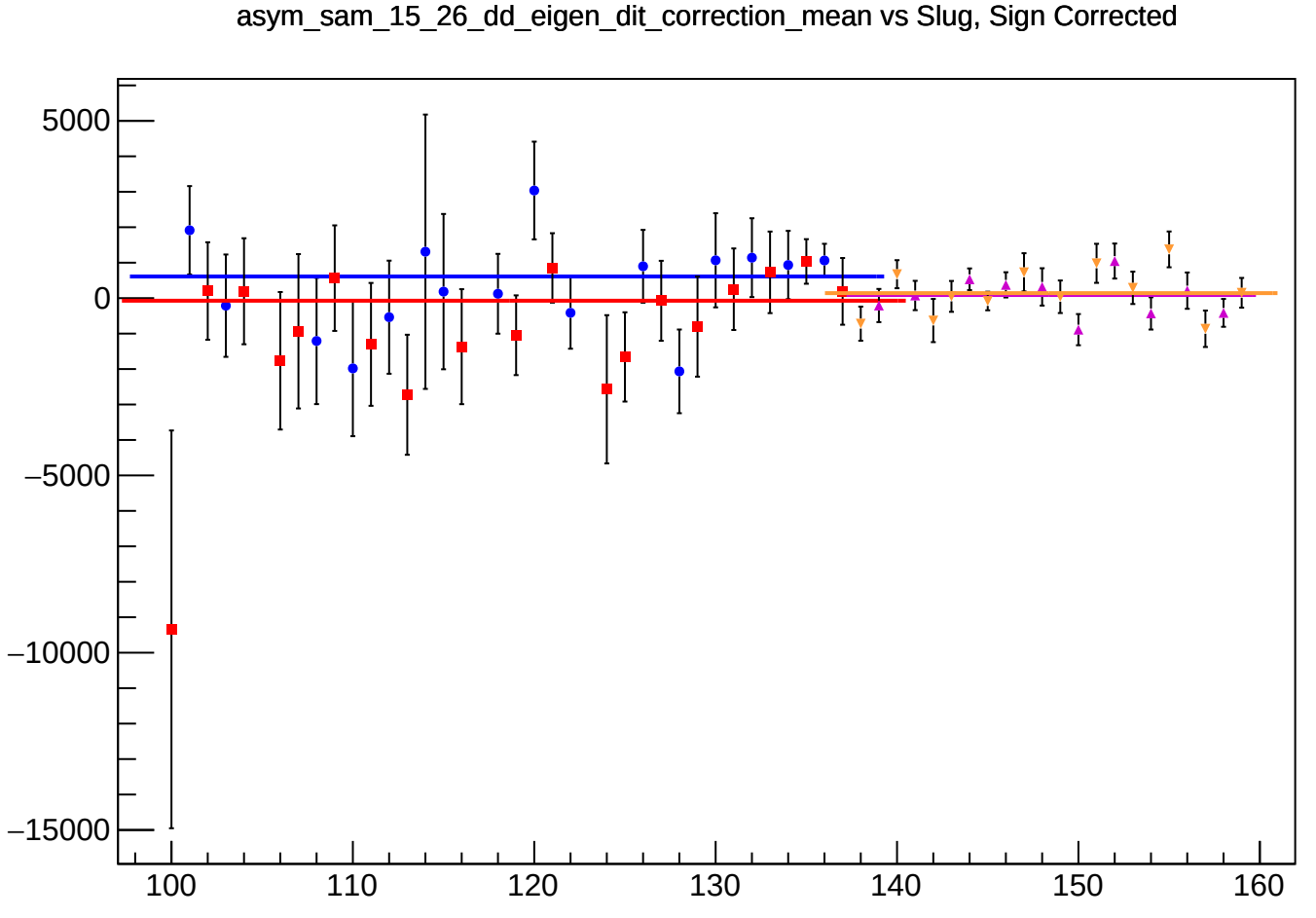
Left: 65.914+/-0.011 χ^2/NDF: 483030.6/21

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.234+/-0.013 χ^2/NDF:1183716.0/25

Out: 71.439+/-0.013 χ^2/NDF:1412478.6/30

All: 71.339+/-0.009 χ^2/NDF: 2596323.6/56



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 141.139+/-126.086 χ^2/NDF:20.9/11

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 88.265+/-132.364 χ^2/NDF:15.1/9

Left: 115.985+/-91.295 χ^2/NDF: 36.0/21

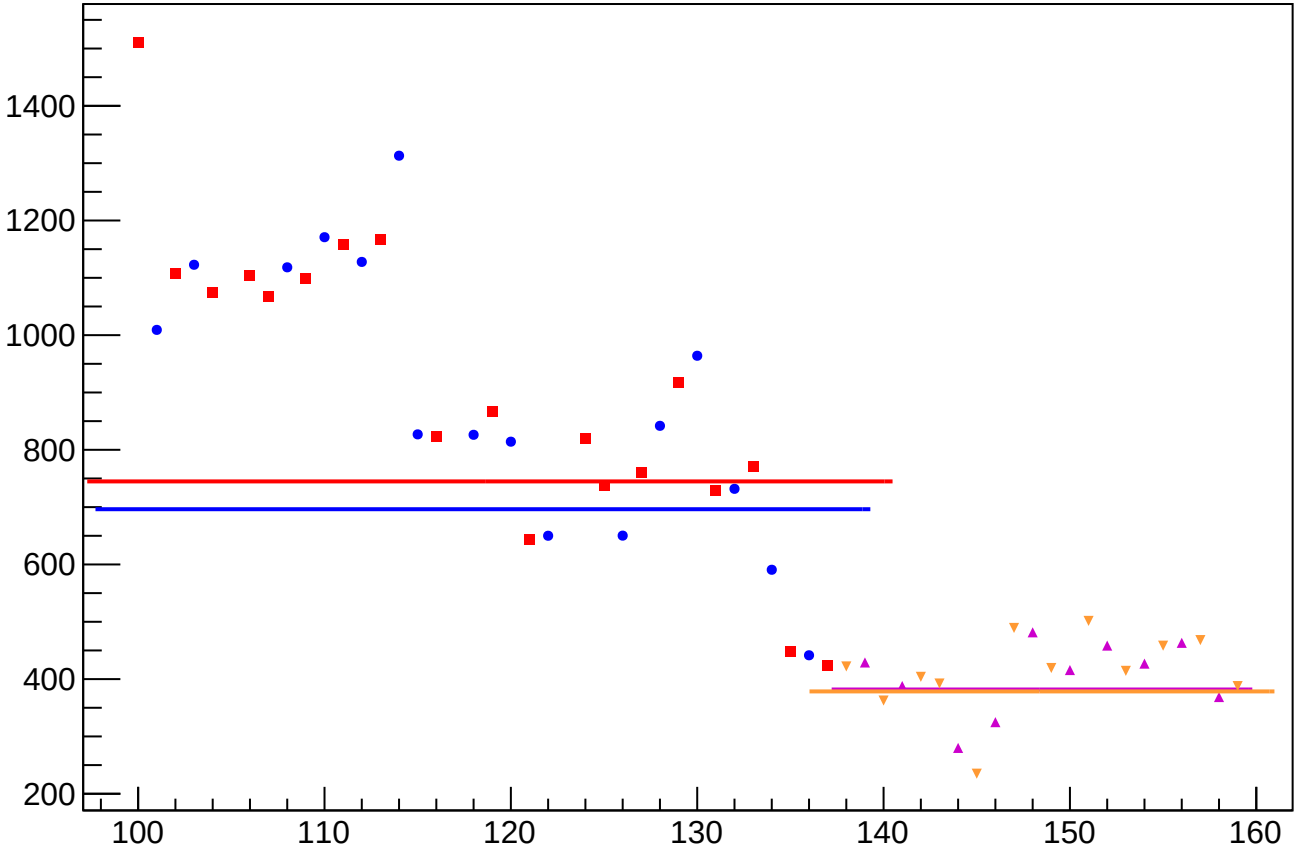
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 187.066+/-119.184 χ^2/NDF:33.8/25

Out: 106.572+/-115.426 χ^2/NDF:37.5/30

All: 145.530+/-82.915 χ^2/NDF: 71.6/56

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: 378.539+/-0.089 χ^2/NDF:948069.5/11

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 381.867+/-0.094 χ^2/NDF:499330.2/9

Left: 380.122+/-0.065 χ^2/NDF: 1448062.4/21

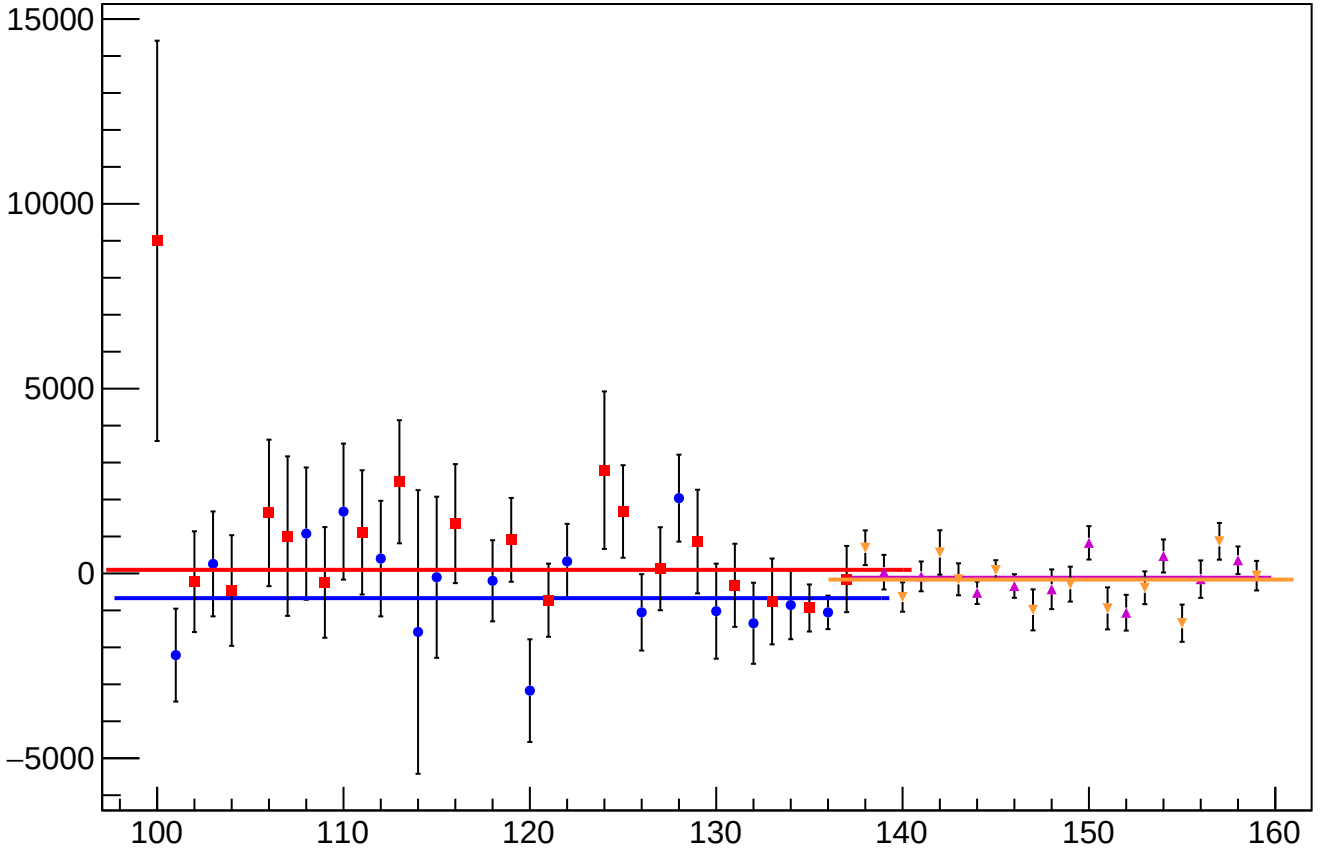
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 441.380+/-0.084 χ^2/NDF:4151454.6/25

Out: 437.864+/-0.082 χ^2/NDF:5180510.4/30

All: 439.566+/-0.059 χ^2/NDF: 9332863.6/56

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -165.916+/-125.975 χ^2/NDF:21.4/11

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -116.496+/-129.075 χ^2/NDF:14.2/9

Left: -141.807+/-90.154 χ^2/NDF: 35.8/21

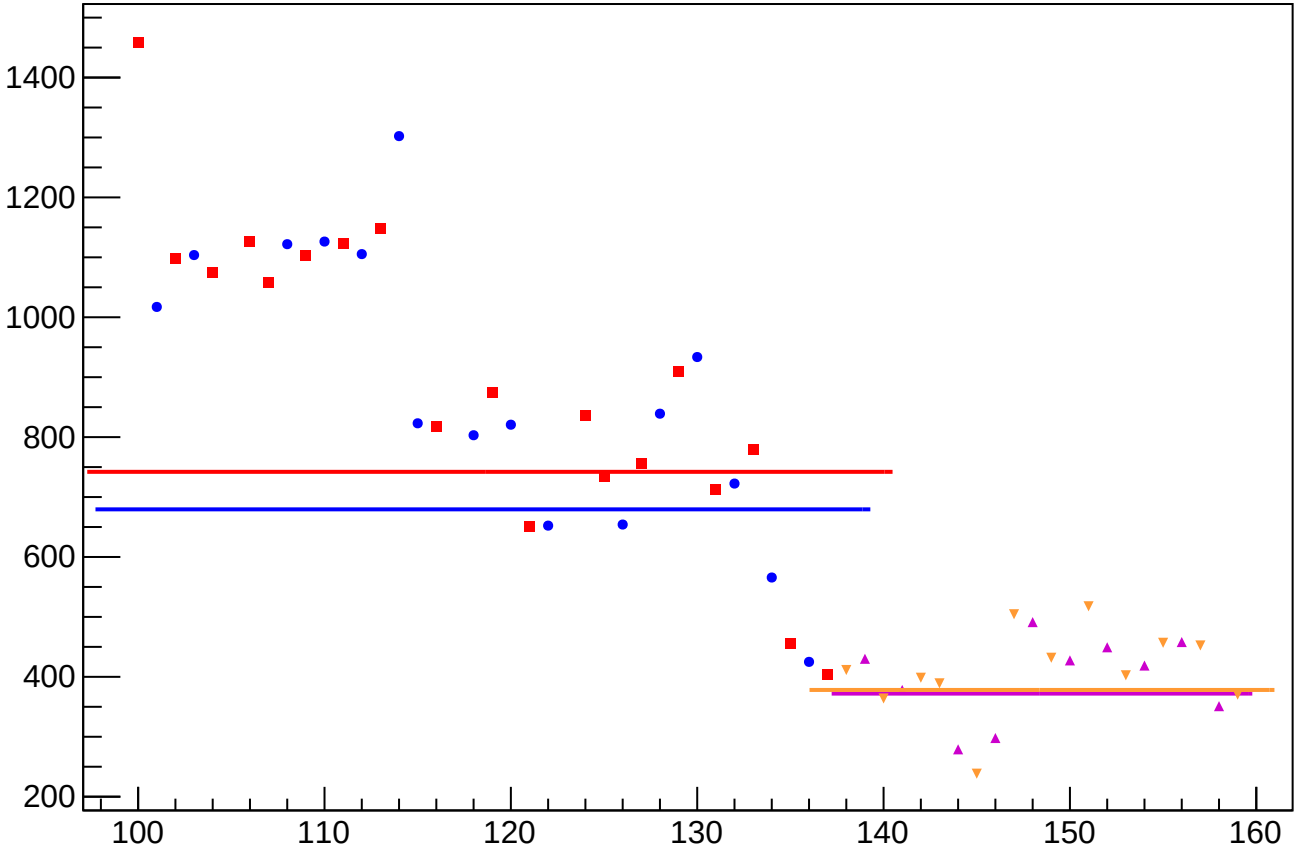
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -220.147+/-116.327 χ^2/NDF:33.8/25

Out: -123.003+/-115.279 χ^2/NDF:37.0/30

All: -171.135+/-81.883 χ^2/NDF: 71.1/56

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 378.121+/-0.089 χ^2/NDF:910298.1/11

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 372.033+/-0.091 χ^2/NDF:591941.1/9

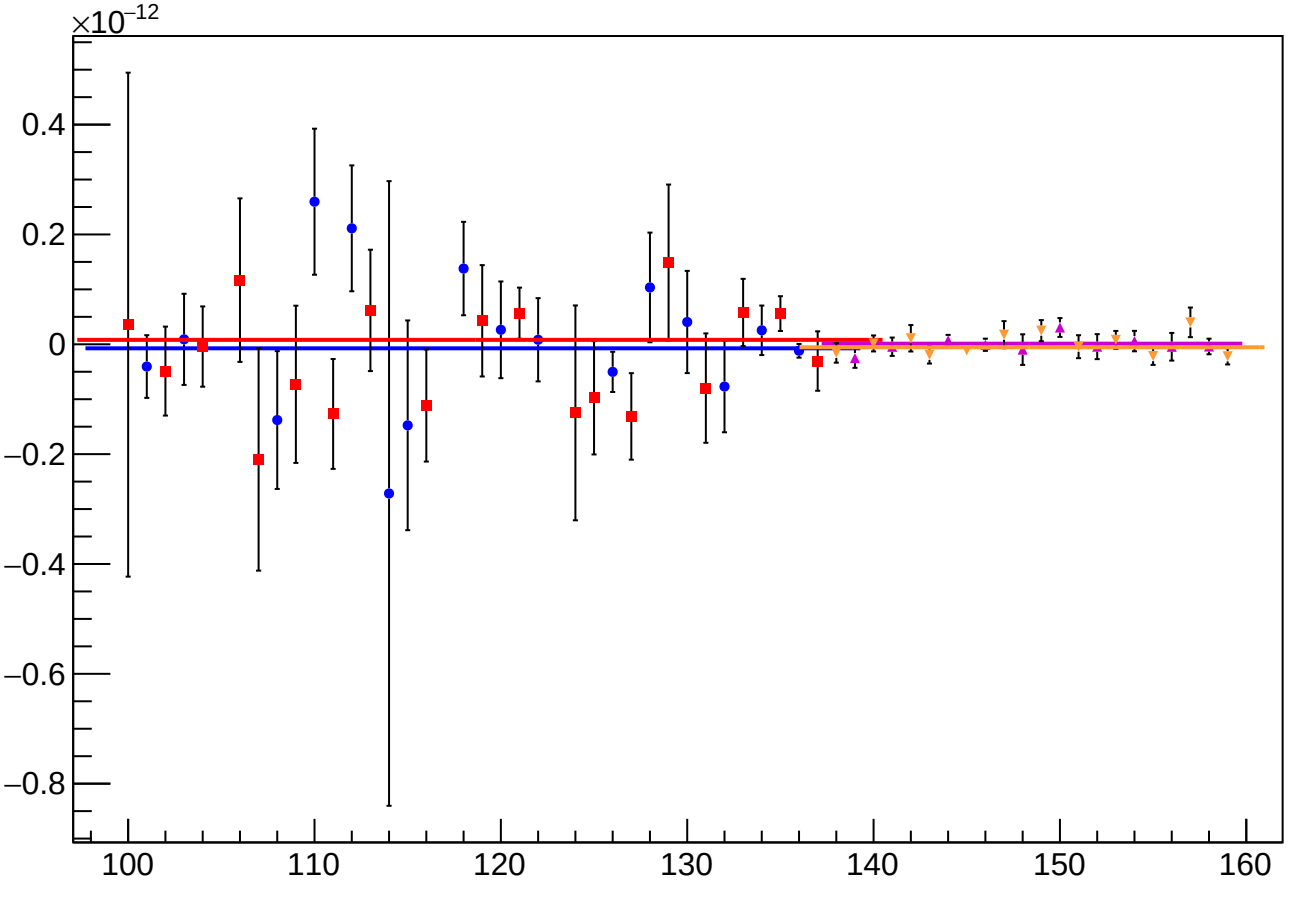
Left: 375.151+/-0.064 χ^2/NDF: 1504518.0/21

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 429.760+/-0.082 χ^2/NDF:4323373.2/25

Out: 437.301+/-0.082 χ^2/NDF:5129229.7/30

All: 433.565+/-0.058 χ^2/NDF: 9456843.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

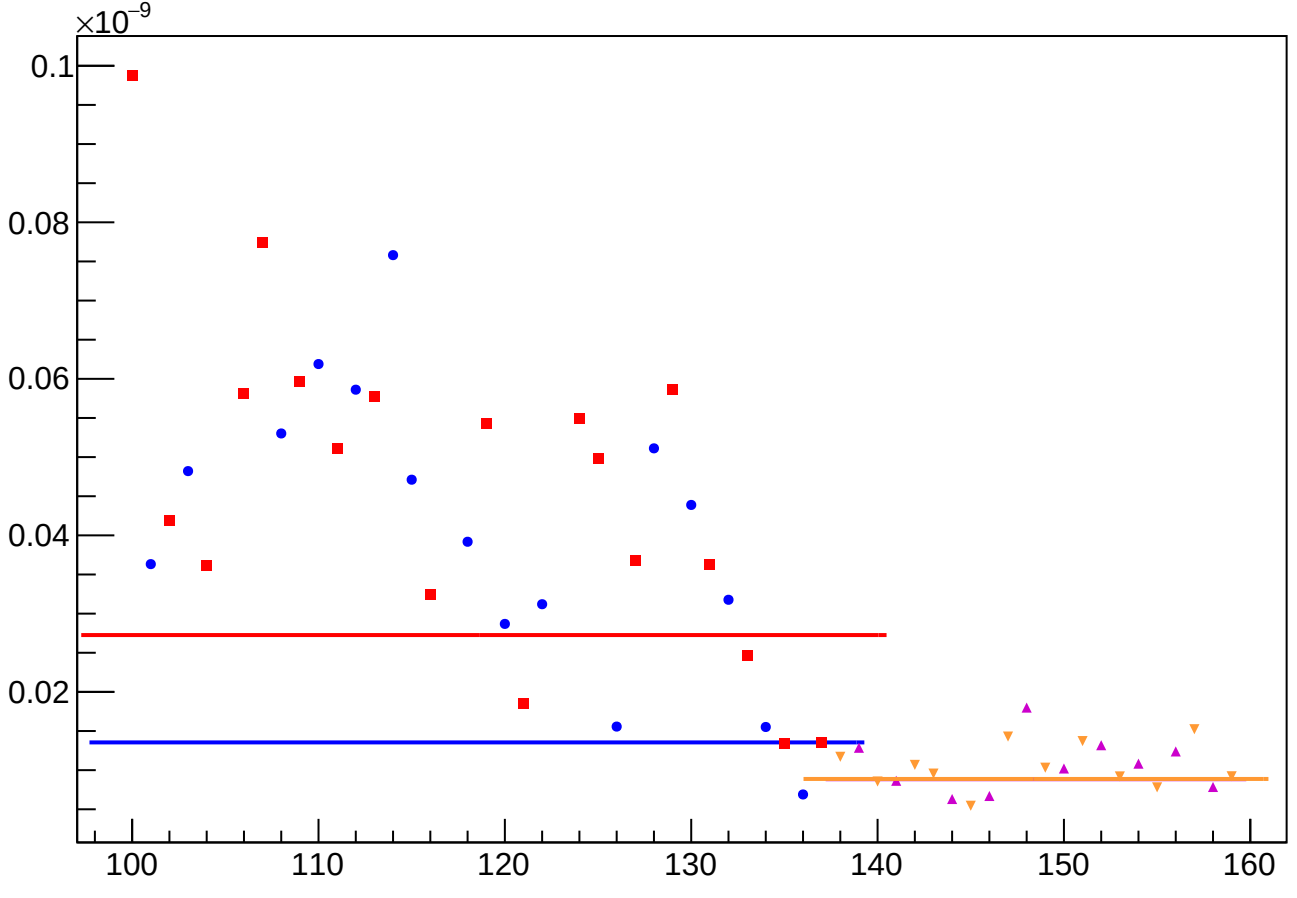
Left: -0.000+/-0.000 χ^2/NDF: 18.3/21

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:23.8/25

Out: -0.000+/-0.000 χ^2/NDF:28.9/30

All: -0.000+/-0.000 χ^2/NDF: 53.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:706627.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:680871.6/9

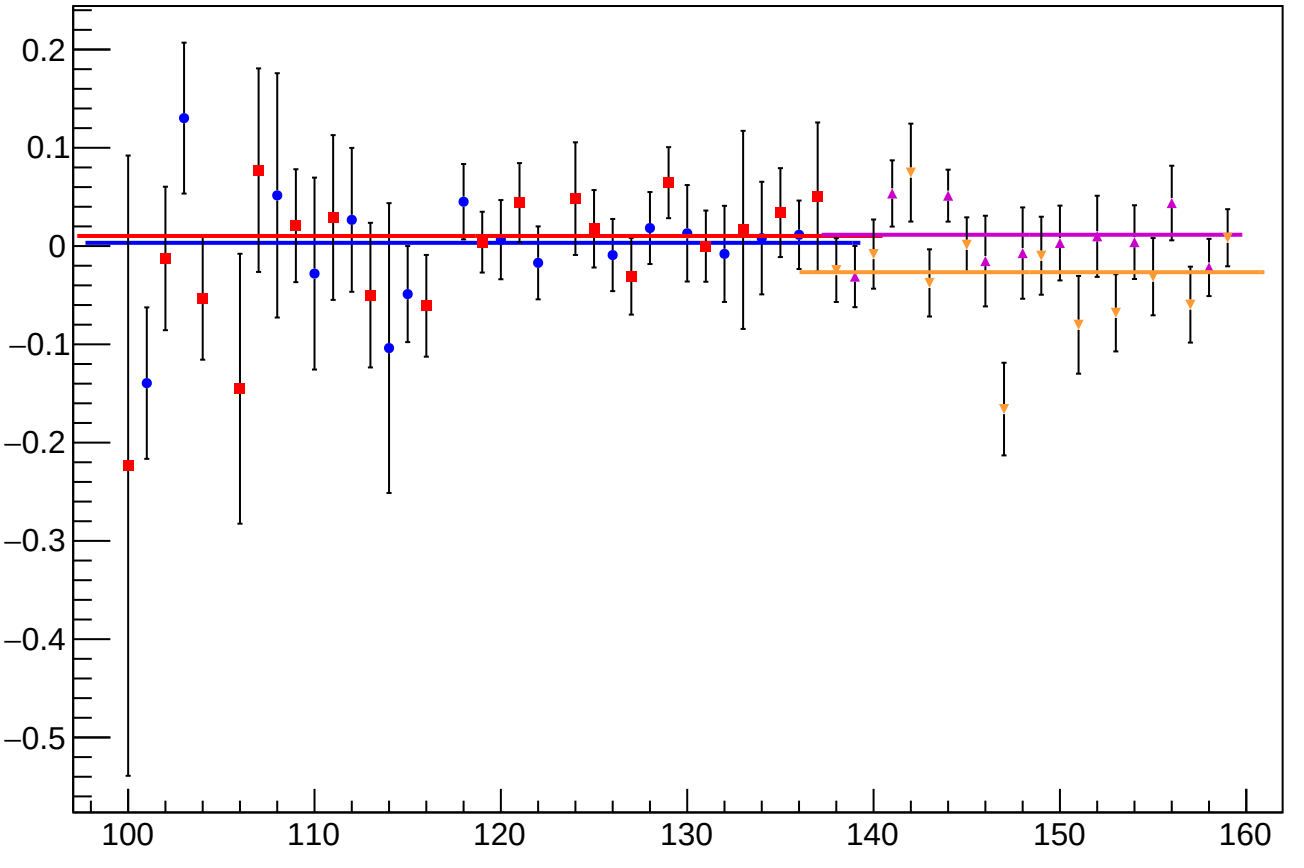
Left: 0.000+/-0.000 χ^2/NDF: 1387552.7/21

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4057242.9/25

Out: 0.000+/-0.000 χ^2/NDF:4546591.7/30

All: 0.000+/-0.000 χ^2/NDF: 8612069.2/56



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

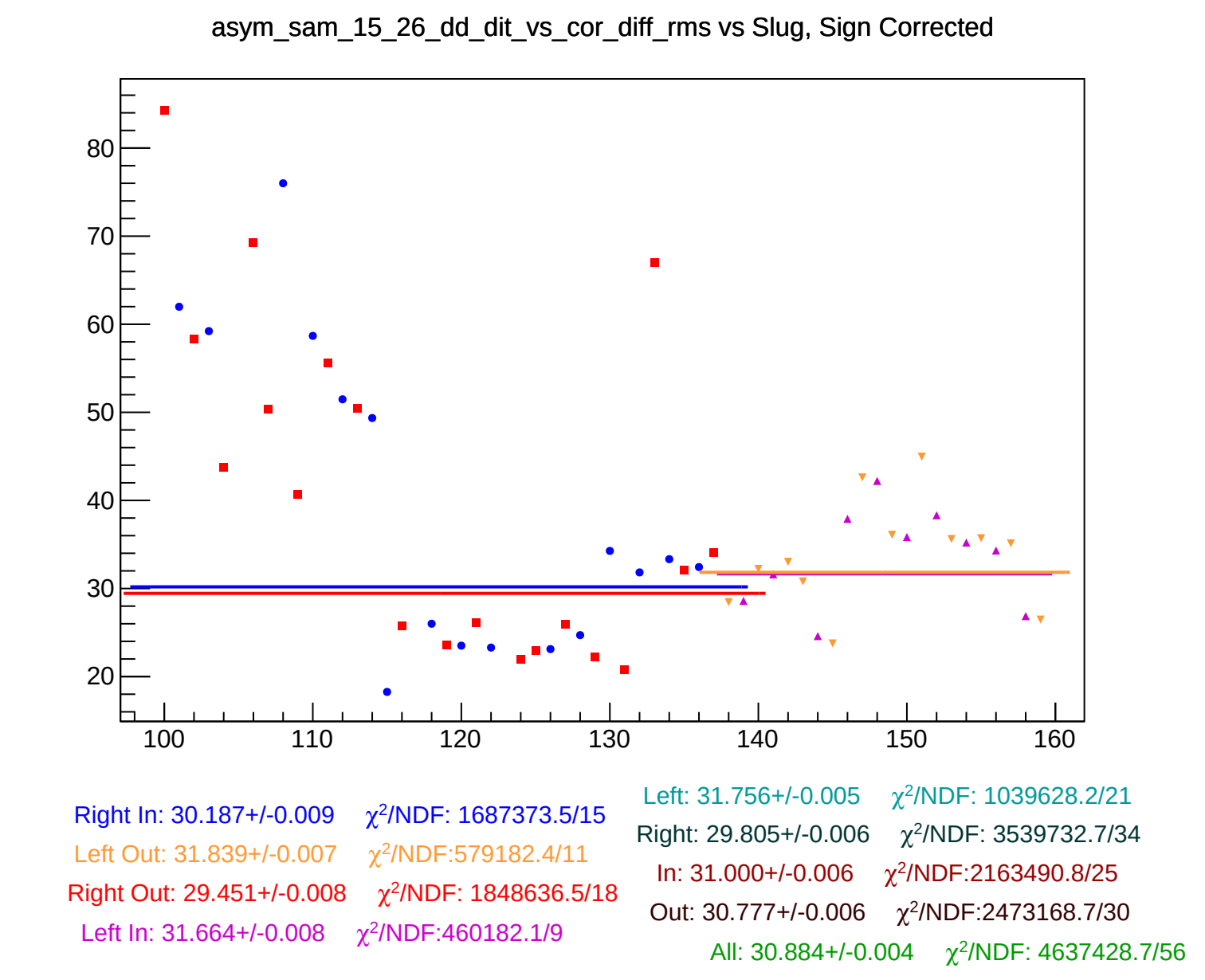
Left: -0.008+/-0.008 χ^2/NDF: 33.4/21

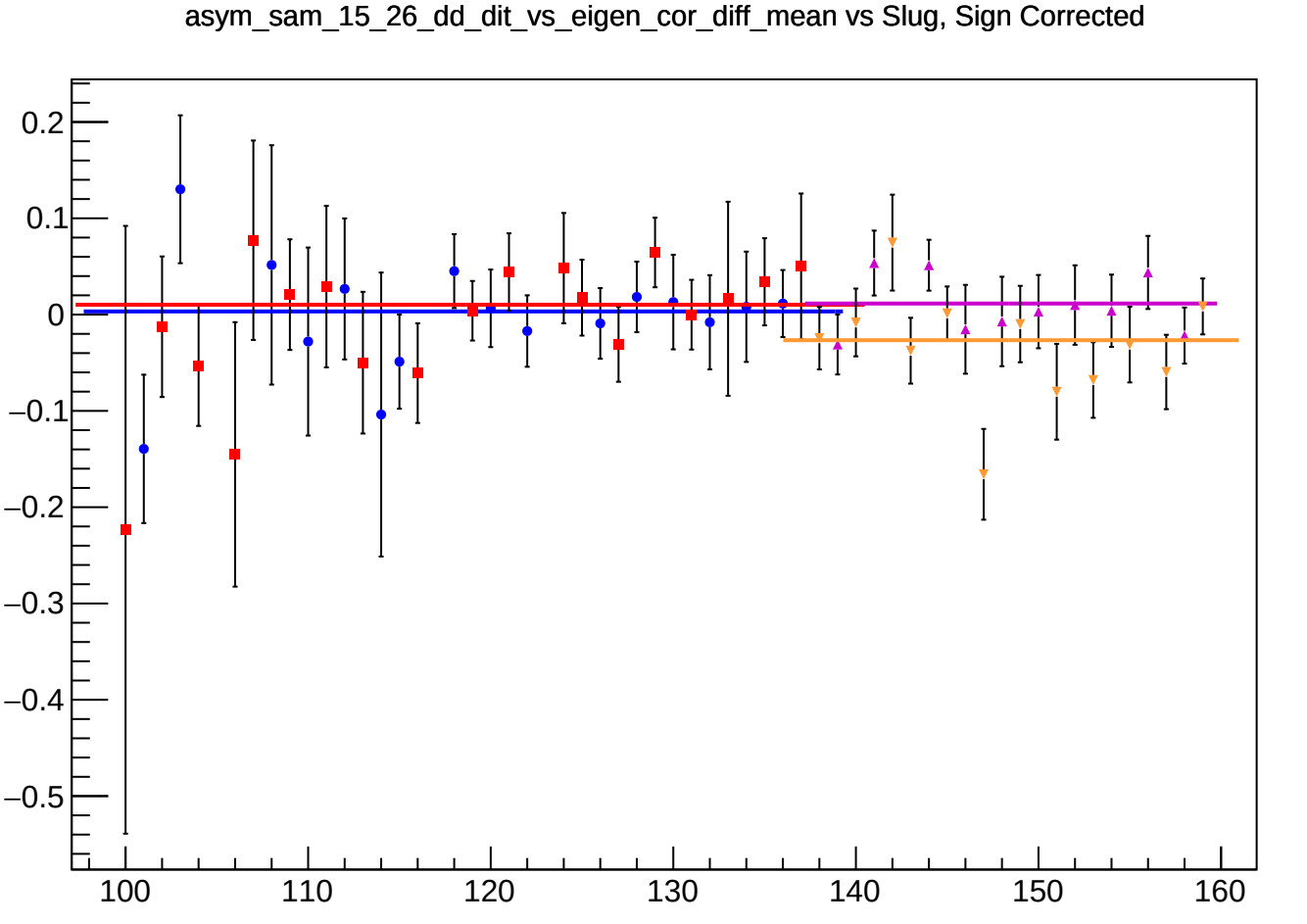
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.002+/-0.006 χ^2/NDF: 56.7/56


asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 31.839+/-0.007 χ²/NDF:579182.4/11
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 31.664+/-0.008 χ²/NDF:460182.1/9
Left: 31.756+/-0.005 χ²/NDF: 1039628.2/21
Right: 29.805+/-0.006 χ²/NDF: 3539732.7/34
In: 31.000+/-0.006 χ²/NDF:2163490.8/25
Out: 30.777+/-0.006 χ²/NDF:2473168.7/30
All: 30.884+/-0.004 χ²/NDF: 4637428.7/56



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

Left: -0.008+/-0.008 χ^2/NDF: 33.4/21

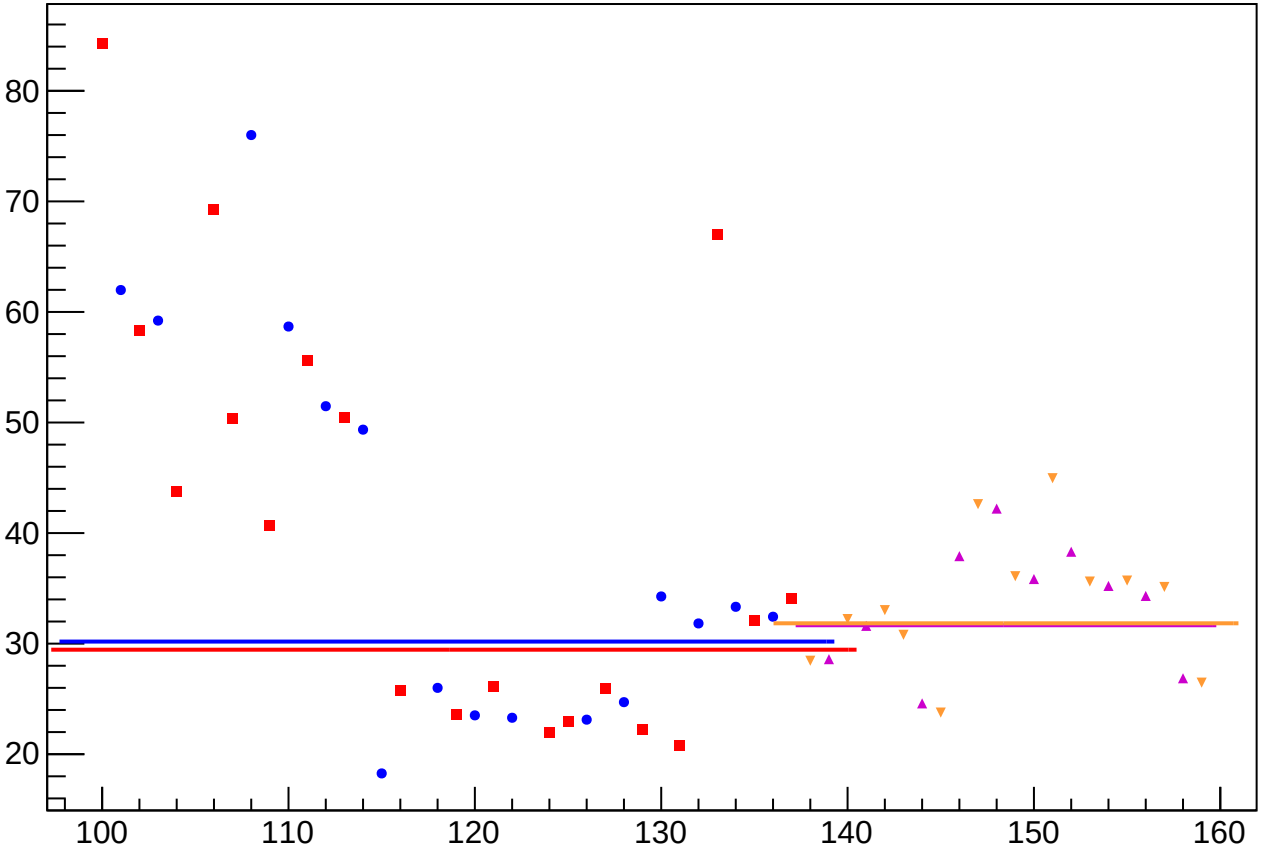
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.002+/-0.006 χ^2/NDF: 56.7/56

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: 31.839+/-0.007 χ^2/NDF:579182.4/11

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.664+/-0.008 χ^2/NDF:460182.1/9

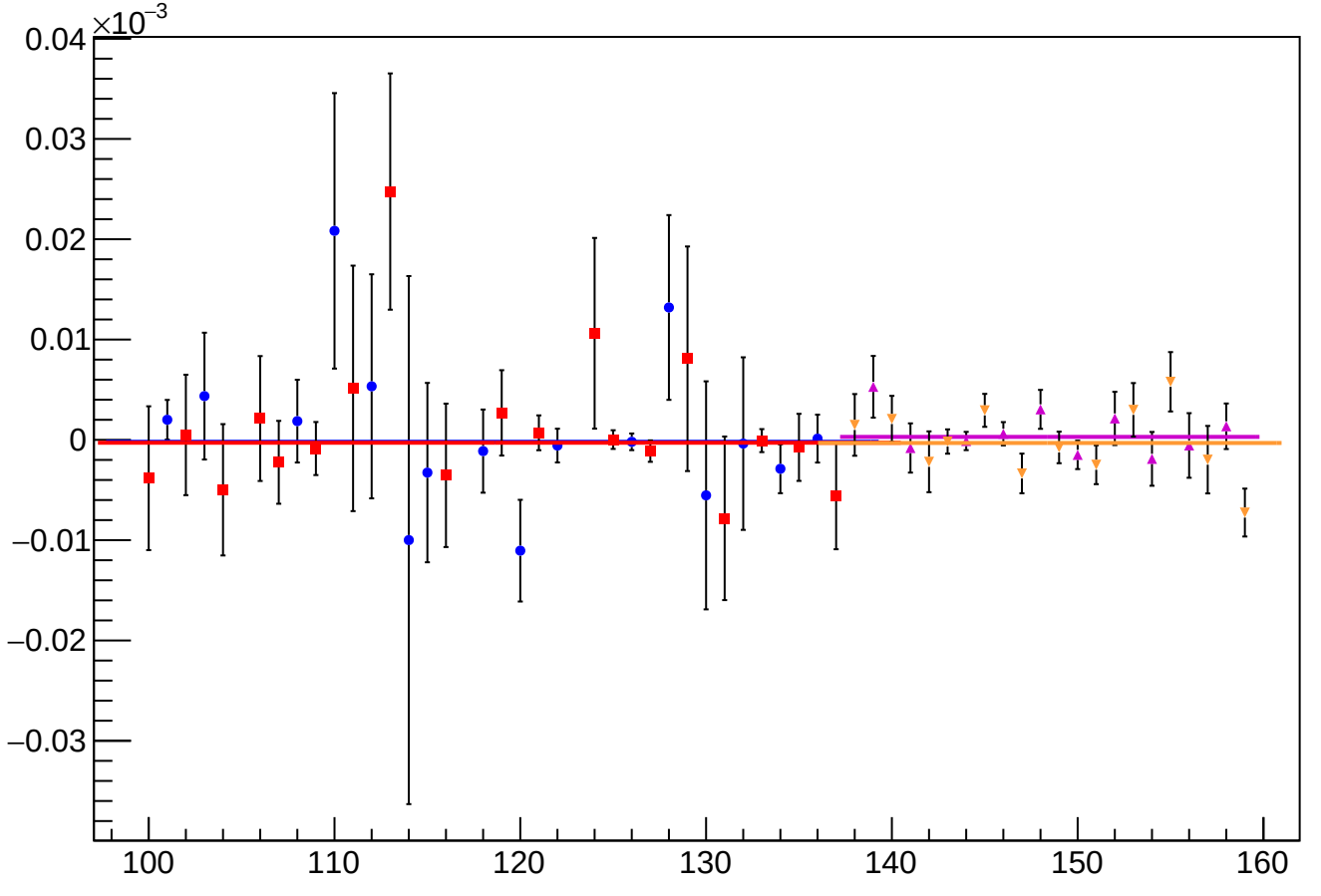
Left: 31.756+/-0.005 χ^2/NDF: 1039628.2/21

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.000+/-0.006 χ^2/NDF:2163490.8/25

Out: 30.777+/-0.006 χ^2/NDF:2473168.7/30

All: 30.884+/-0.004 χ^2/NDF: 4637428.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/9

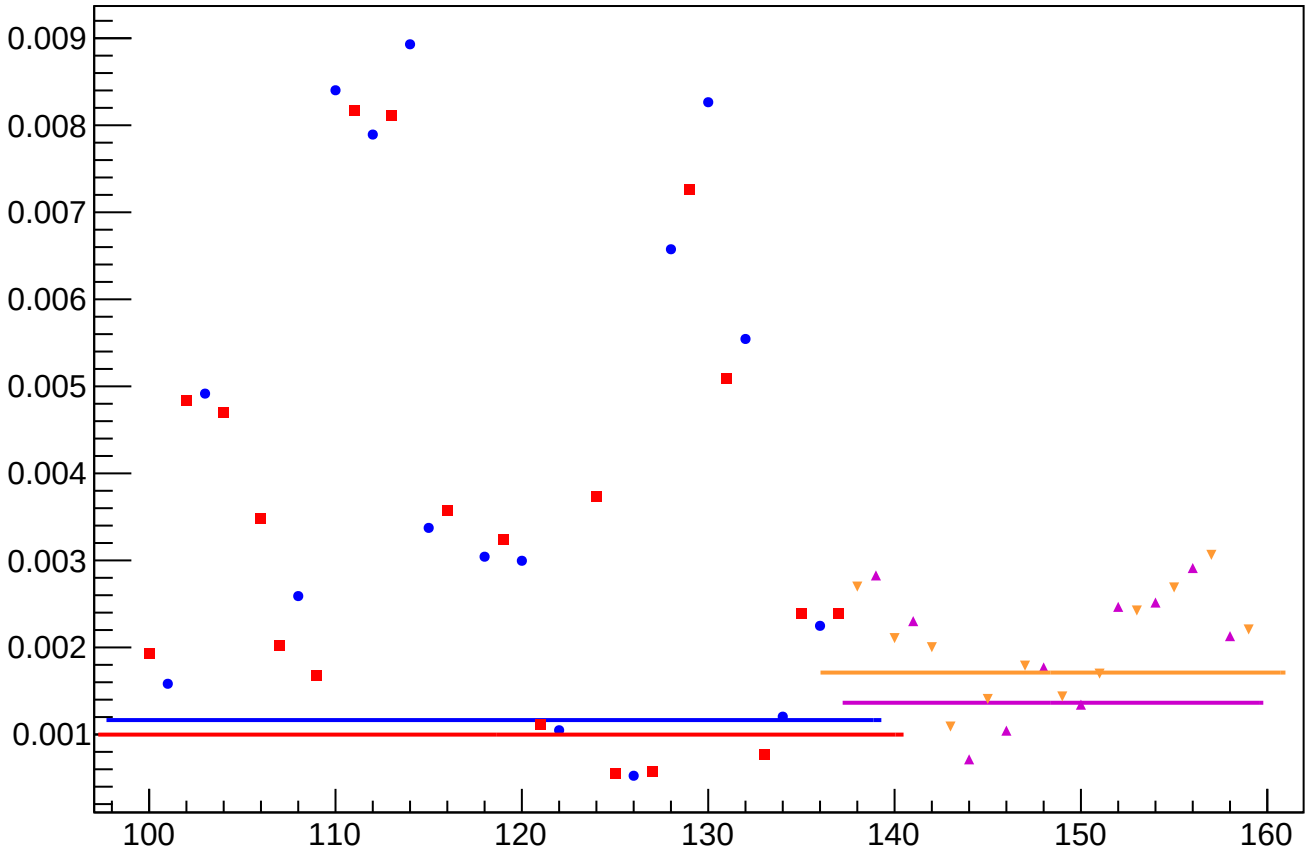
Left: 0.000+/-0.000 χ^2/NDF: 32.6/21

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/25

Out: -0.000+/-0.000 χ^2/NDF:35.3/30

All: -0.000+/-0.000 χ^2/NDF: 57.4/56



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1710830.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3406710.0/9

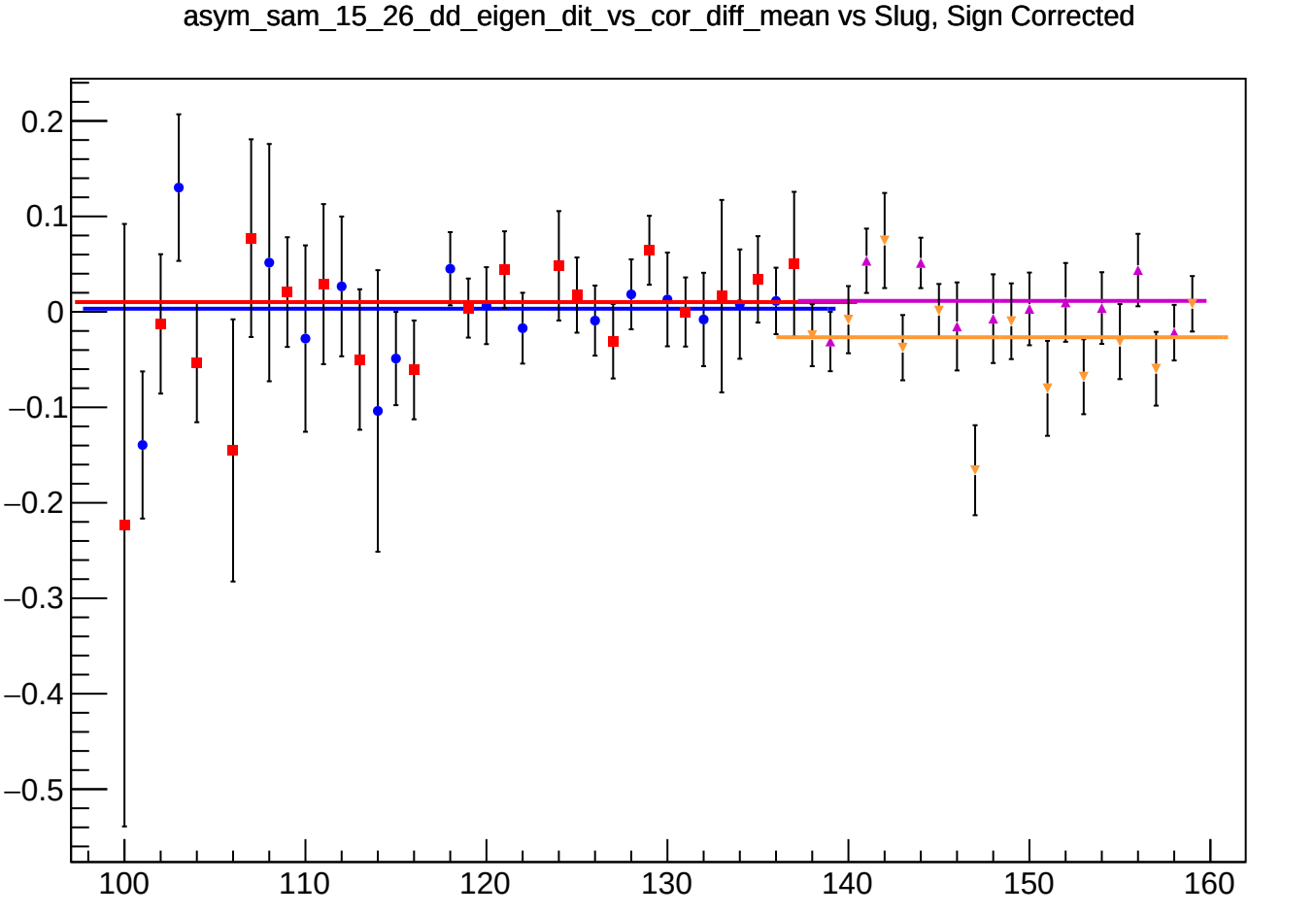
Left: 0.002+/-0.000 χ^2/NDF: 5501619.3/21

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:10408687.2/25

Out: 0.001+/-0.000 χ^2/NDF:10293417.0/30

All: 0.001+/-0.000 χ^2/NDF: 20709426.2/56



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

Left: -0.008+/-0.008 χ^2/NDF: 33.4/21

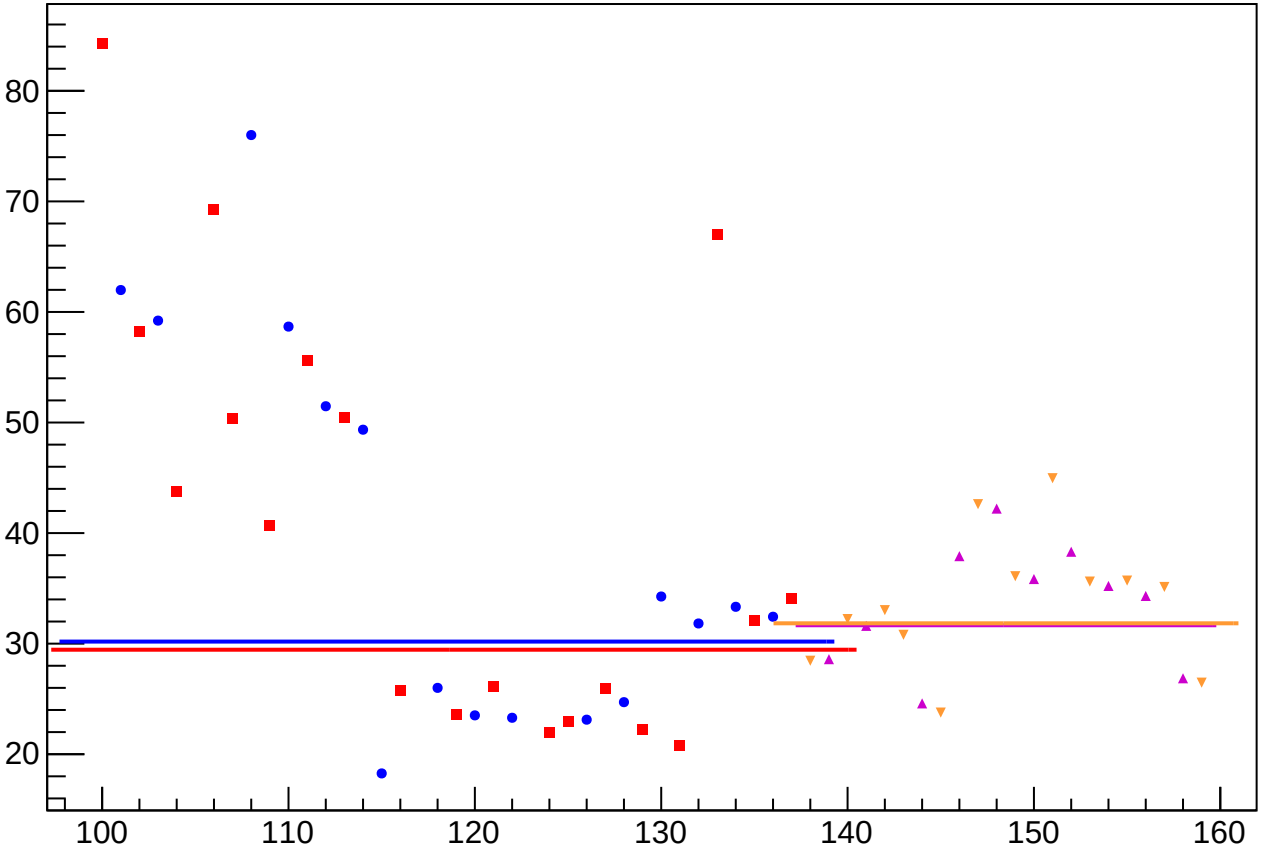
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.002+/-0.006 χ^2/NDF: 56.7/56

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: 31.840+/-0.007 χ^2/NDF:579153.2/11

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.664+/-0.008 χ^2/NDF:460174.5/9

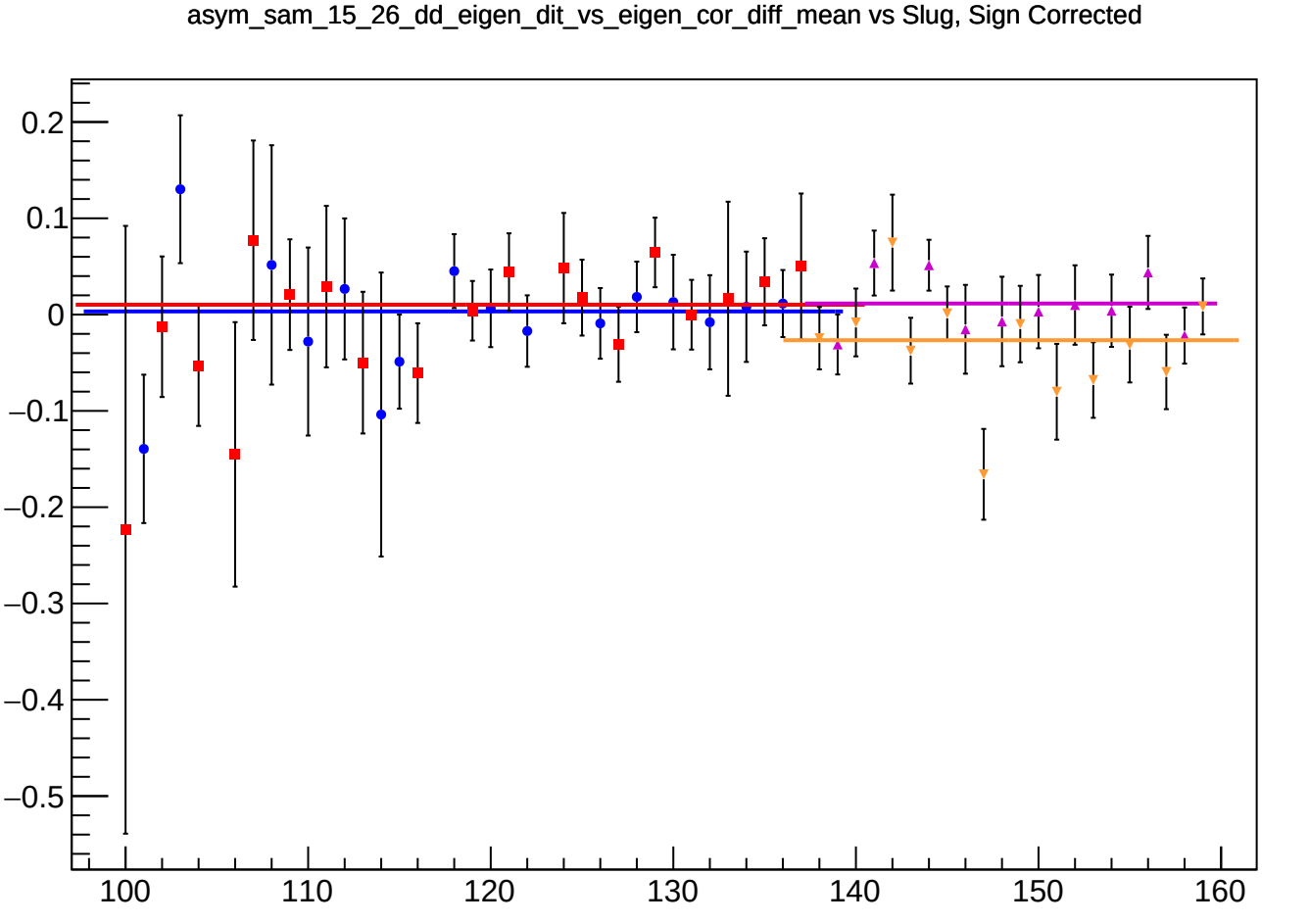
Left: 31.756+/-0.005 χ^2/NDF: 1039591.7/21

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.001+/-0.006 χ^2/NDF:2163302.5/25

Out: 30.777+/-0.006 χ^2/NDF:2473170.8/30

All: 30.884+/-0.004 χ^2/NDF: 4637244.3/56



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

Left: -0.008+/-0.008 χ^2/NDF: 33.4/21

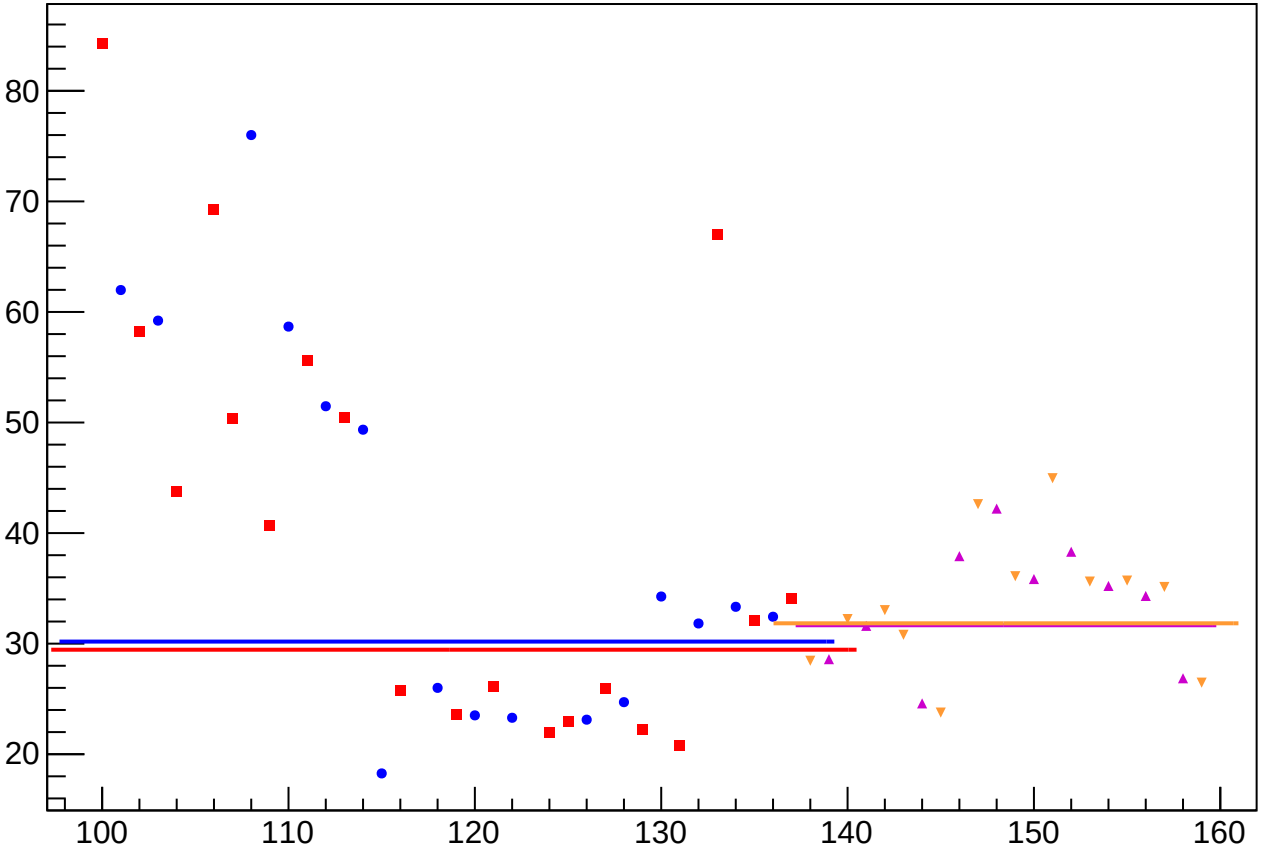
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.002+/-0.006 χ^2/NDF: 56.7/56

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: 31.840+/-0.007 χ^2/NDF:579153.2/11

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.664+/-0.008 χ^2/NDF:460174.5/9

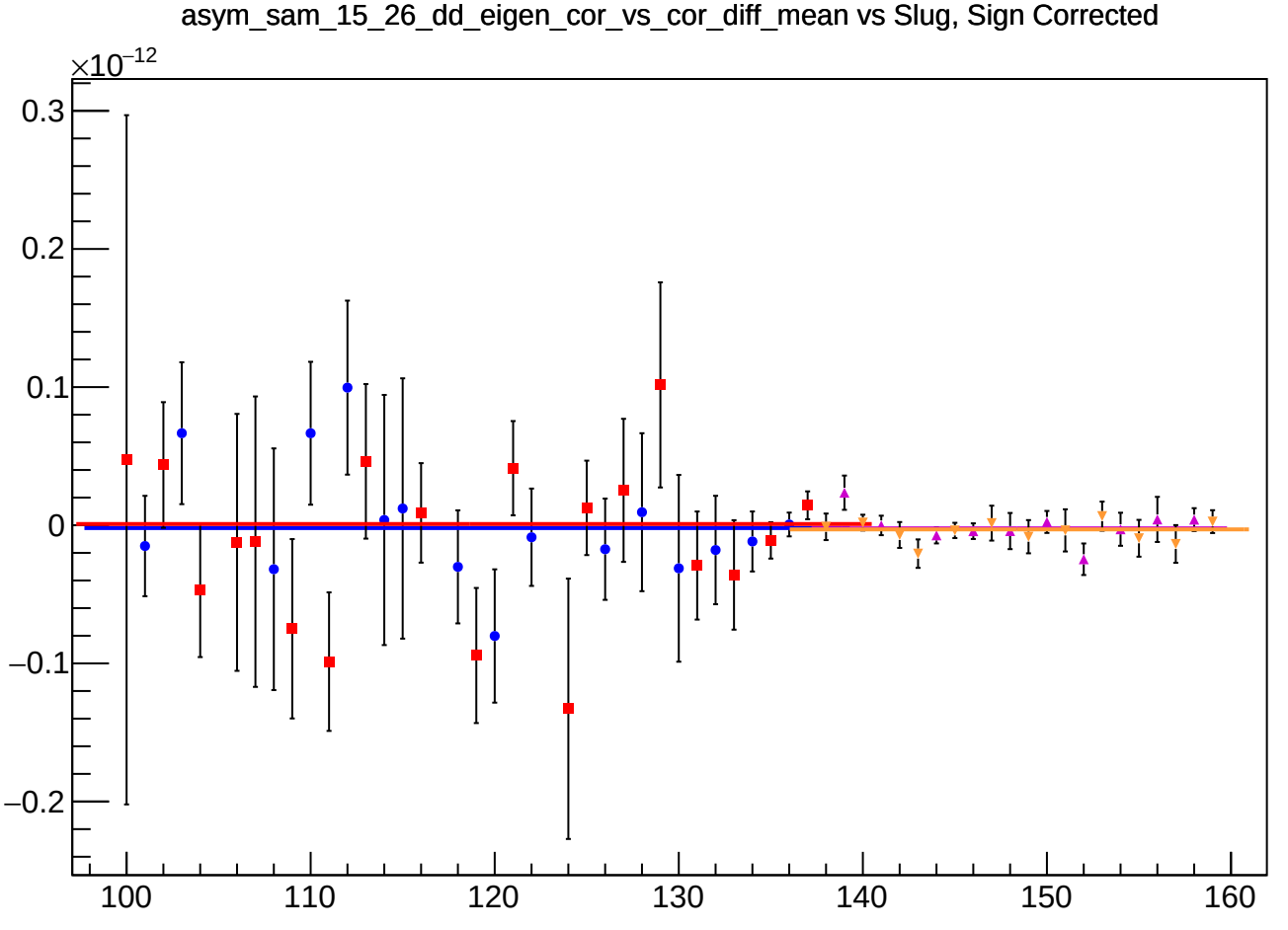
Left: 31.756+/-0.005 χ^2/NDF: 1039591.7/21

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.001+/-0.006 χ^2/NDF:2163302.5/25

Out: 30.777+/-0.006 χ^2/NDF:2473170.8/30

All: 30.884+/-0.004 χ^2/NDF: 4637244.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/9

Left: -0.000+/-0.000 χ^2/NDF: 16.6/21

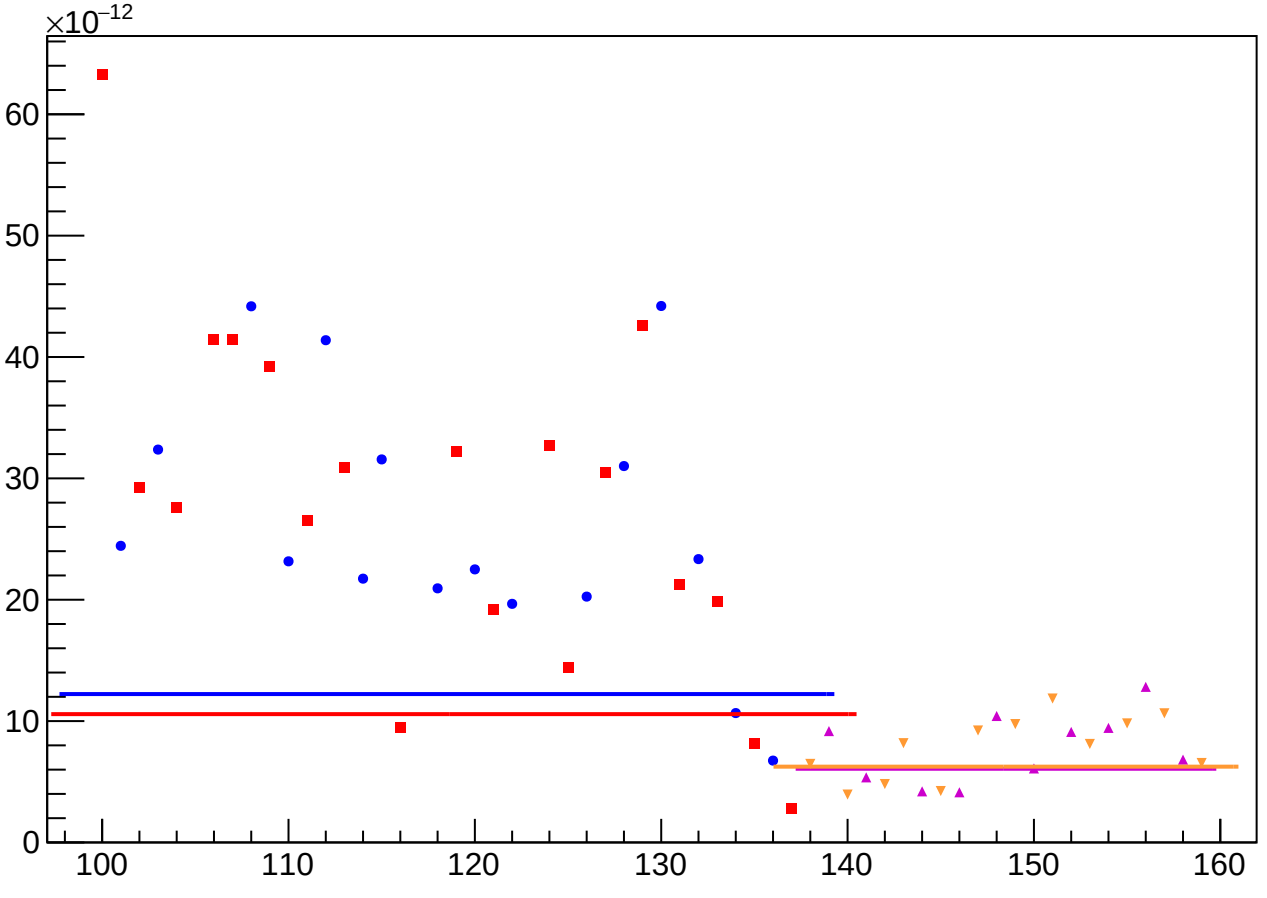
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:20.7/25

Out: -0.000+/-0.000 χ^2/NDF:28.0/30

All: -0.000+/-0.000 χ^2/NDF: 48.7/56

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1675602.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1461504.3/9

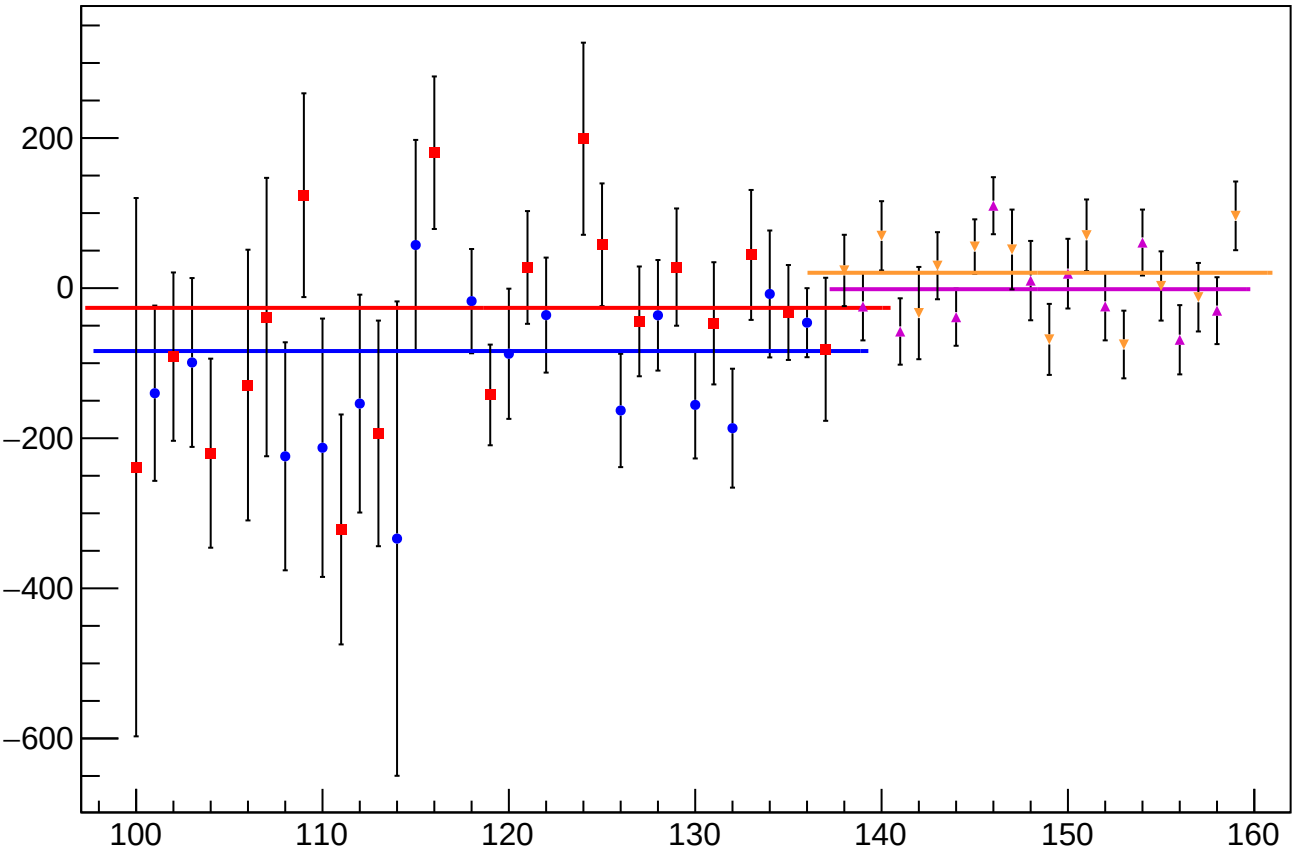
Left: 0.000+/-0.000 χ^2/NDF: 3141409.5/21

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6313674.3/25

Out: 0.000+/-0.000 χ^2/NDF:7178202.3/30

All: 0.000+/-0.000 χ^2/NDF: 13492558.3/56



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 20.479+/-13.369 χ^2/NDF:15.7/11

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -1.405+/-13.890 χ^2/NDF:16.5/9

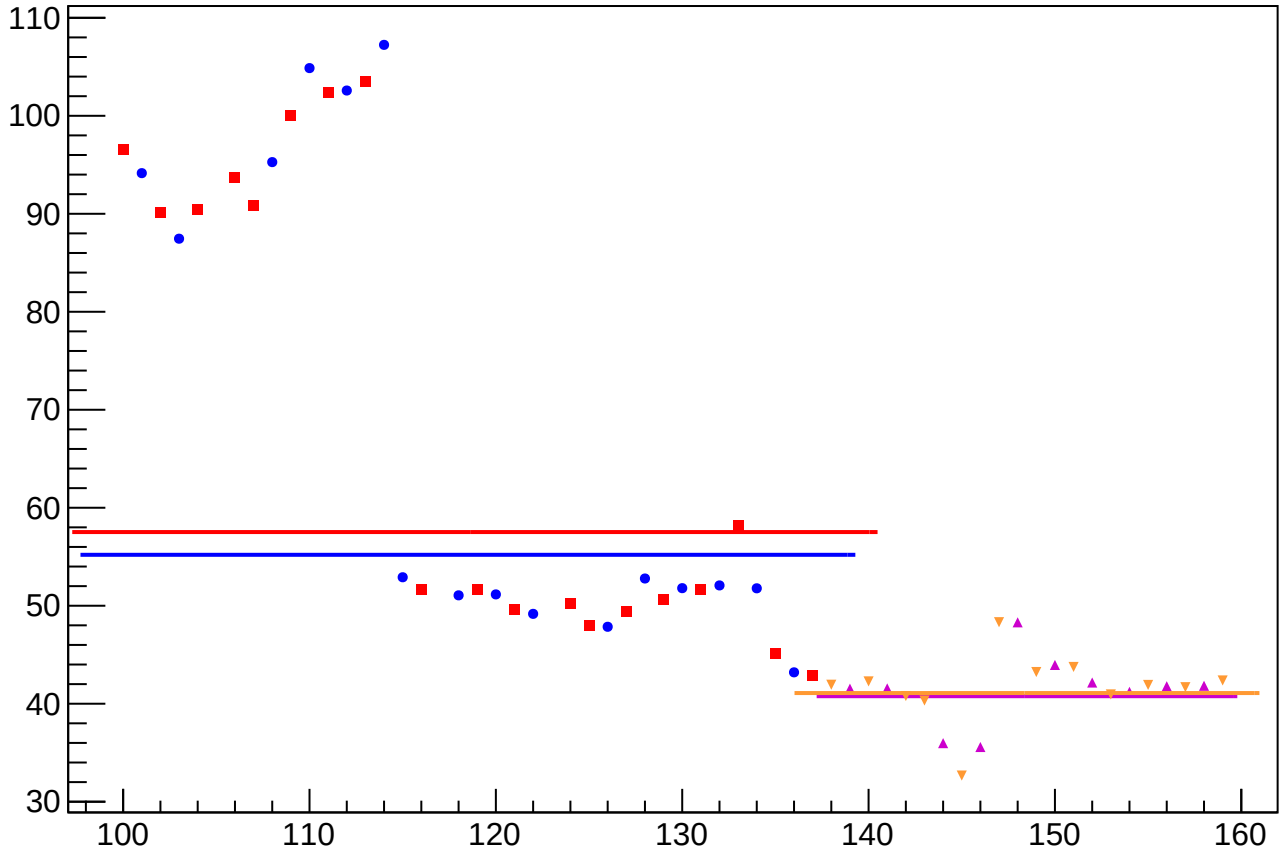
Left: 9.955+/-9.632 χ^2/NDF: 33.5/21

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -25.775+/-11.657 χ^2/NDF:37.4/25

Out: 7.918+/-11.435 χ^2/NDF:42.0/30

All: -8.605+/-8.163 χ^2/NDF: 83.7/56



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.089+/-0.009 χ^2/NDF:159947.0/11

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

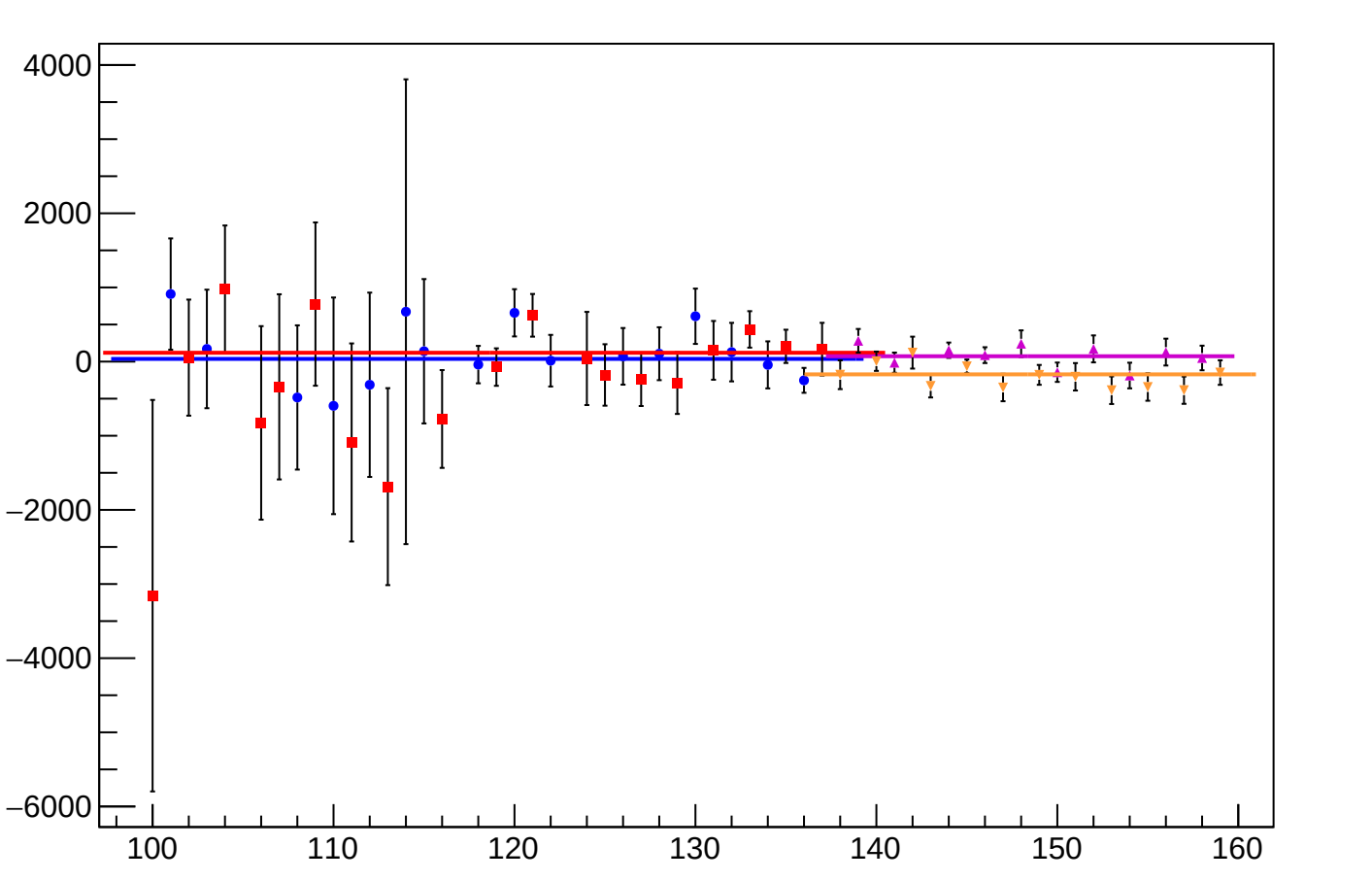
Left: 40.935+/-0.007 χ^2/NDF: 284908.5/21

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 45.036+/-0.008 χ^2/NDF:1915312.9/25

Out: 45.501+/-0.008 χ^2/NDF:2252750.0/30

All: 45.273+/-0.006 χ^2/NDF: 4169686.6/56



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -172.256+/-44.457 χ^2/NDF:10.6/11

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 72.333+/-44.988 χ^2/NDF:9.0/9

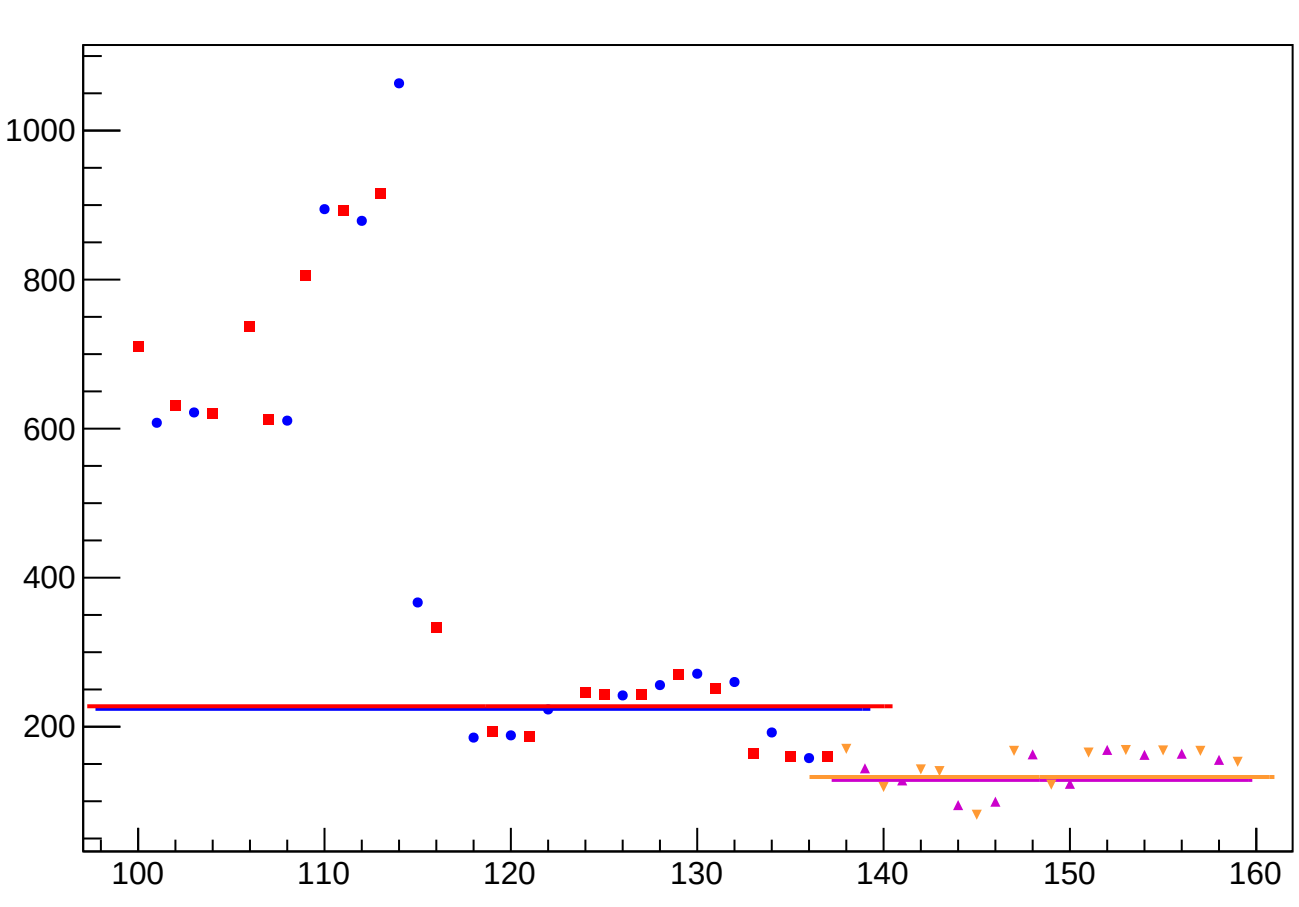
Left: -51.413+/-31.622 χ^2/NDF: 34.6/21

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 65.572+/-40.544 χ^2/NDF:20.6/25

Out: -120.648+/-40.329 χ^2/NDF:34.2/30

All: -28.034+/-28.593 χ^2/NDF: 65.4/56



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 132.529+/-0.031 χ^2/NDF:1117752.2/11

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 128.672+/-0.032 χ^2/NDF:759498.6/9

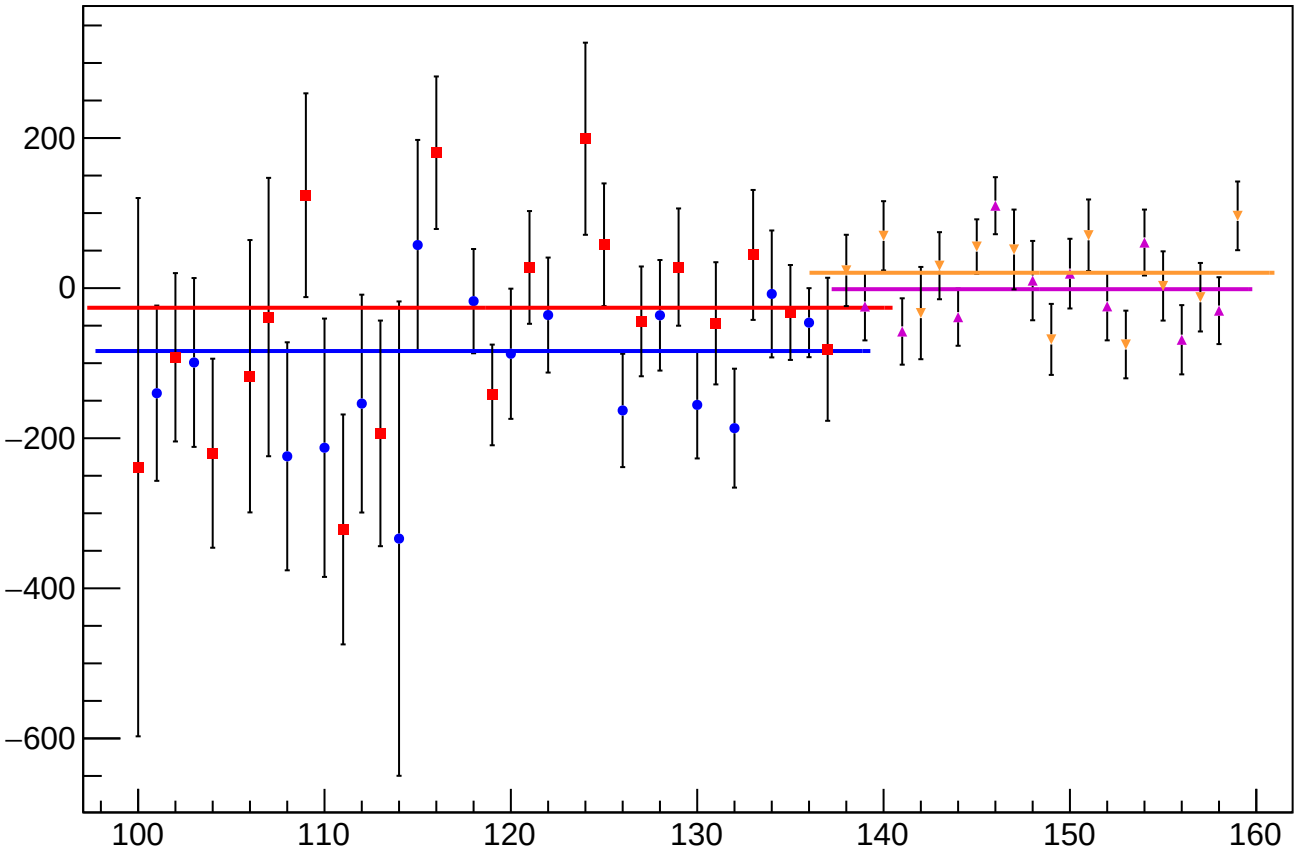
Left: 130.623+/-0.022 χ^2/NDF: 1884687.0/21

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 146.581+/-0.029 χ^2/NDF:5415335.3/25

Out: 149.339+/-0.029 χ^2/NDF:6373051.5/30

All: 147.967+/-0.020 χ^2/NDF: 11793038.6/56



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 20.478+/-13.369 χ^2/NDF:15.7/11

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -1.405+/-13.890 χ^2/NDF:16.5/9

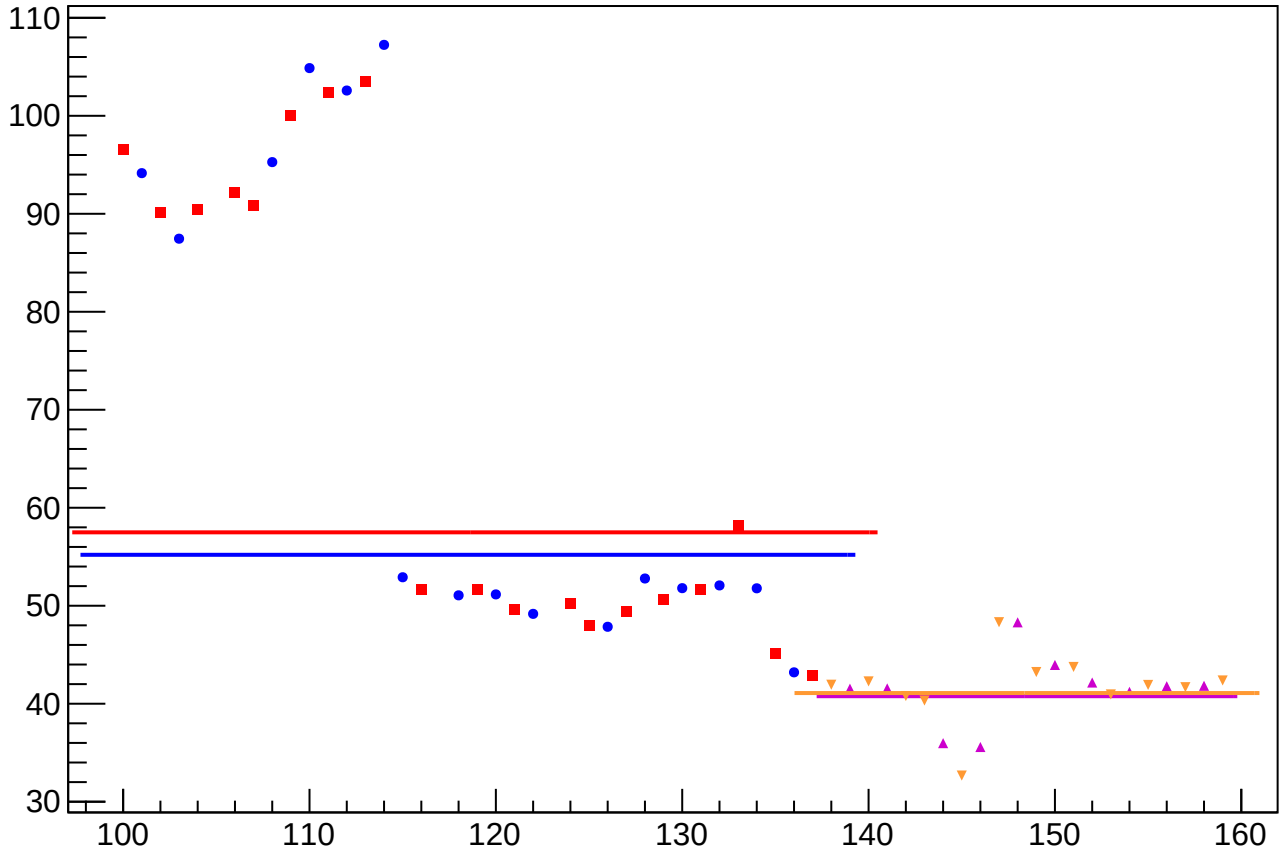
Left: 9.954+/-9.632 χ^2/NDF: 33.5/21

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -25.775+/-11.657 χ^2/NDF:37.4/25

Out: 7.962+/-11.435 χ^2/NDF:41.9/30

All: -8.583+/-8.163 χ^2/NDF: 83.6/56



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.089+/-0.009 χ^2/NDF:159947.0/11

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

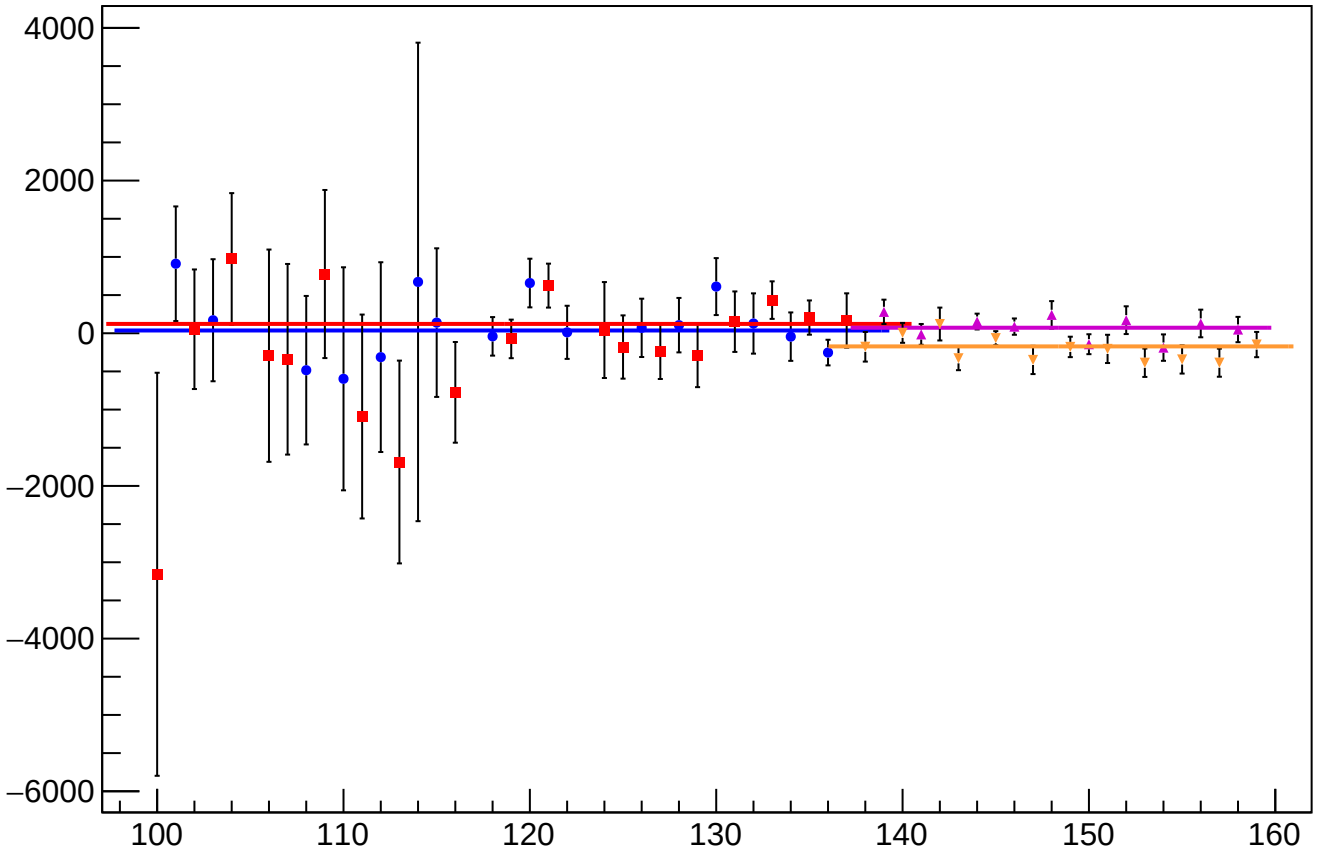
Left: 40.935+/-0.007 χ^2/NDF: 284908.5/21

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.036+/-0.008 χ^2/NDF:1915313.2/25

Out: 45.492+/-0.008 χ^2/NDF:2242383.0/30

All: 45.268+/-0.006 χ^2/NDF: 4159261.9/56



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -172.259+/-44.457 χ^2/NDF:10.6/11

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 72.332+/-44.988 χ^2/NDF:9.0/9

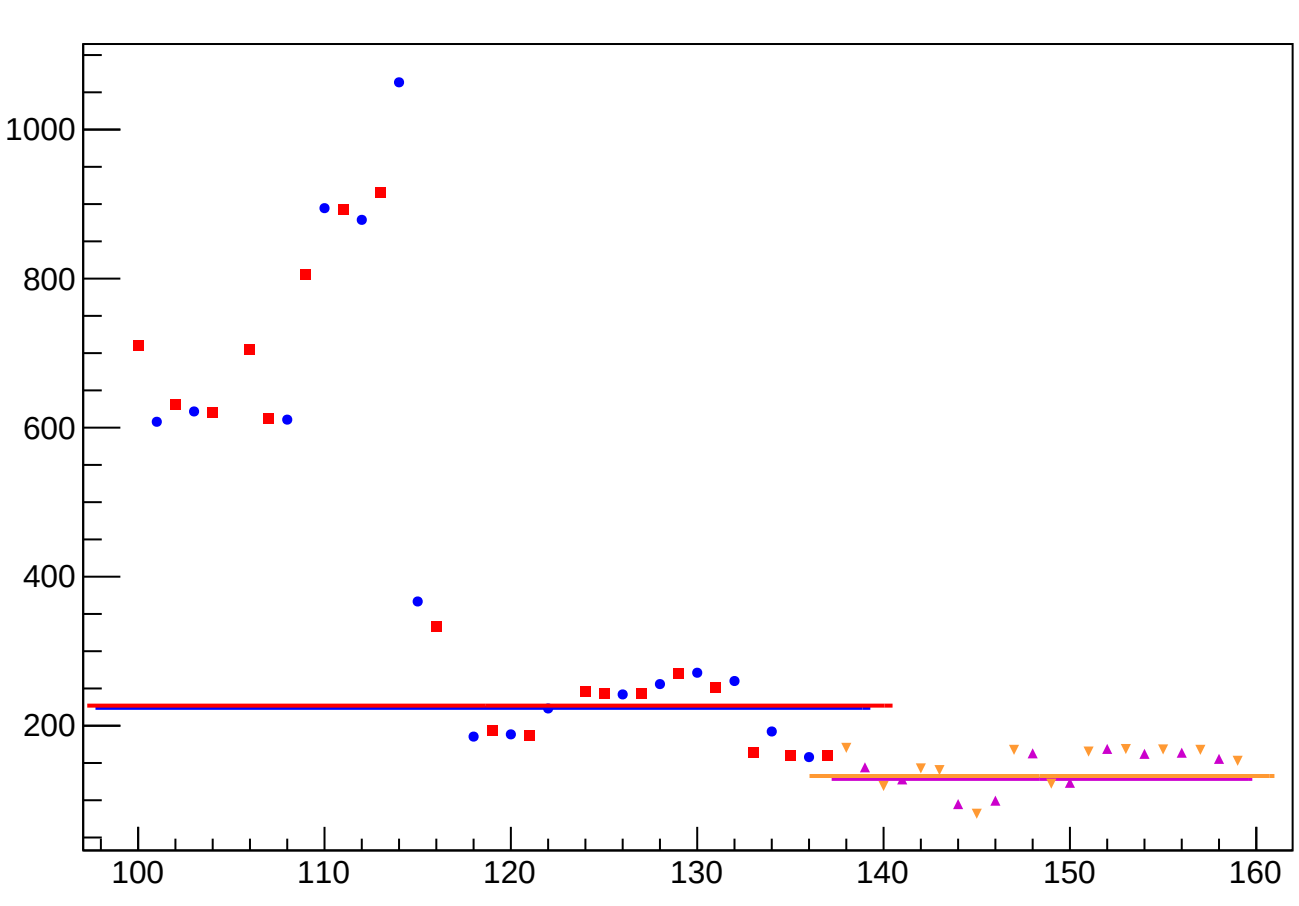
Left: -51.414+/-31.622 χ^2/NDF: 34.6/21

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 65.571+/-40.544 χ^2/NDF:20.6/25

Out: -120.125+/-40.331 χ^2/NDF:34.0/30

All: -27.766+/-28.594 χ^2/NDF: 65.0/56



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 132.529+/-0.031 χ^2/NDF:1117756.9/11

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

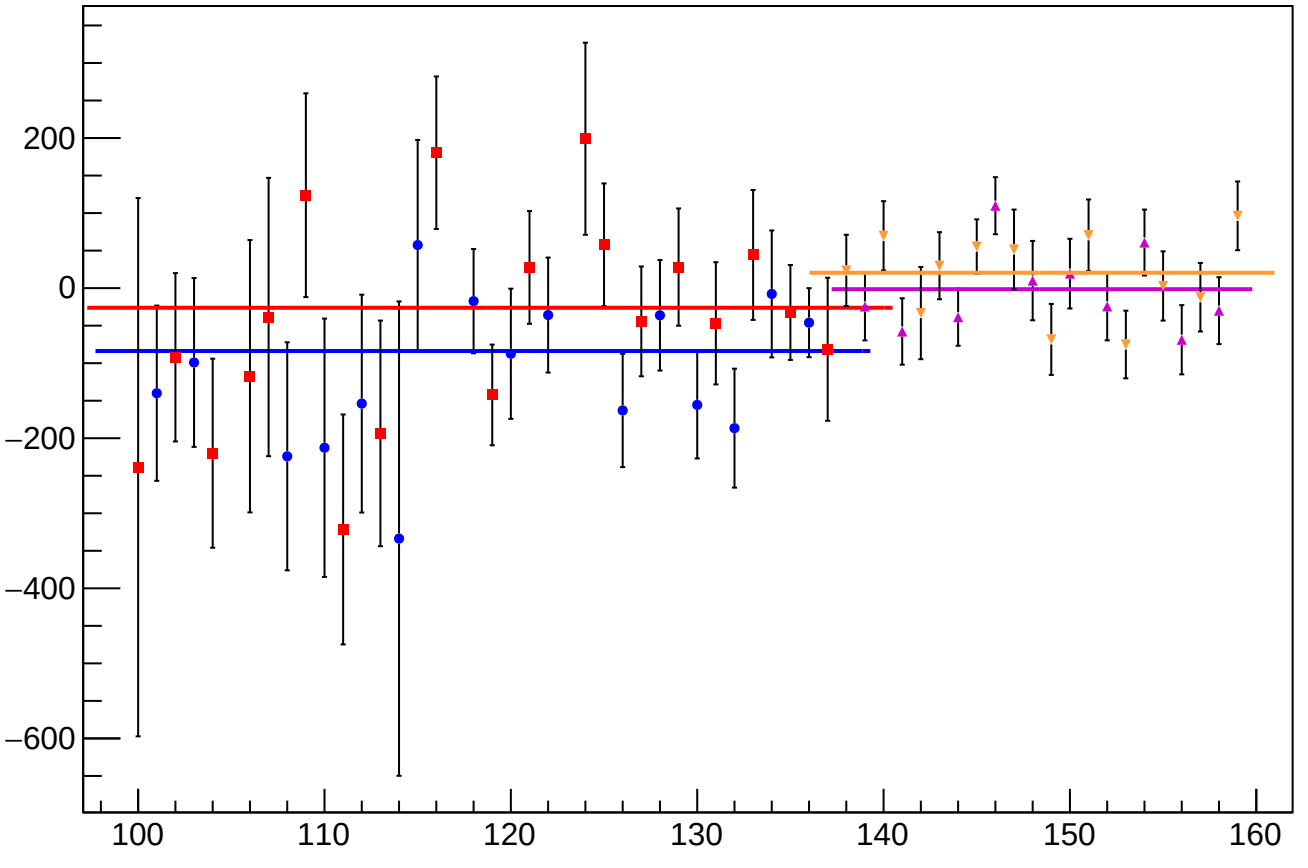
Left: 130.623+/-0.022 χ^2/NDF: 1884693.8/21

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 146.581+/-0.029 χ^2/NDF:5415349.7/25

Out: 149.245+/-0.029 χ^2/NDF:6287225.9/30

All: 147.920+/-0.020 χ^2/NDF: 11706916.0/56



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 20.478+/-13.369 χ^2/NDF:15.7/11

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -1.405+/-13.890 χ^2/NDF:16.5/9

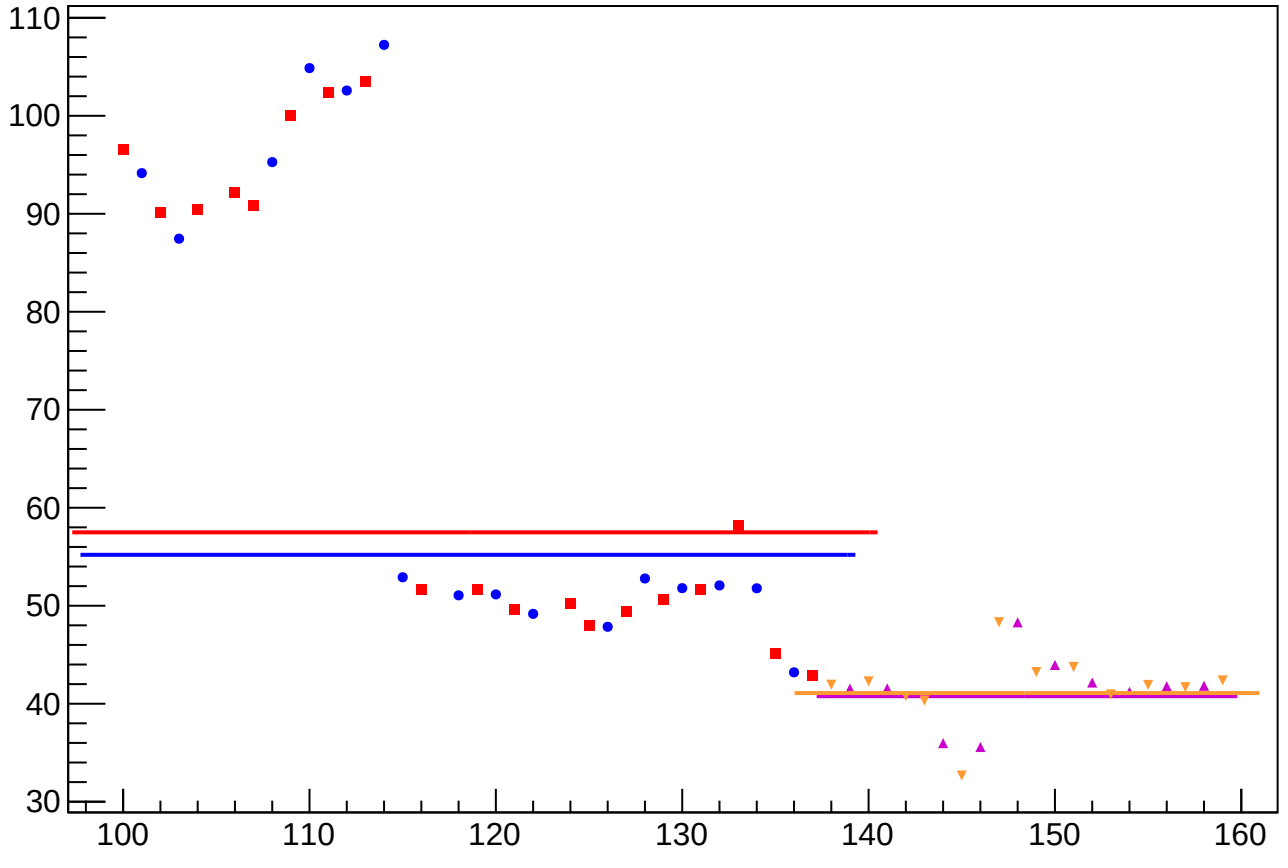
Left: 9.954+/-9.632 χ^2/NDF: 33.5/21

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -25.775+/-11.657 χ^2/NDF:37.4/25

Out: 7.962+/-11.435 χ^2/NDF:41.9/30

All: -8.583+/-8.163 χ^2/NDF: 83.6/56



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.089+/-0.009 χ^2/NDF:159947.0/11

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

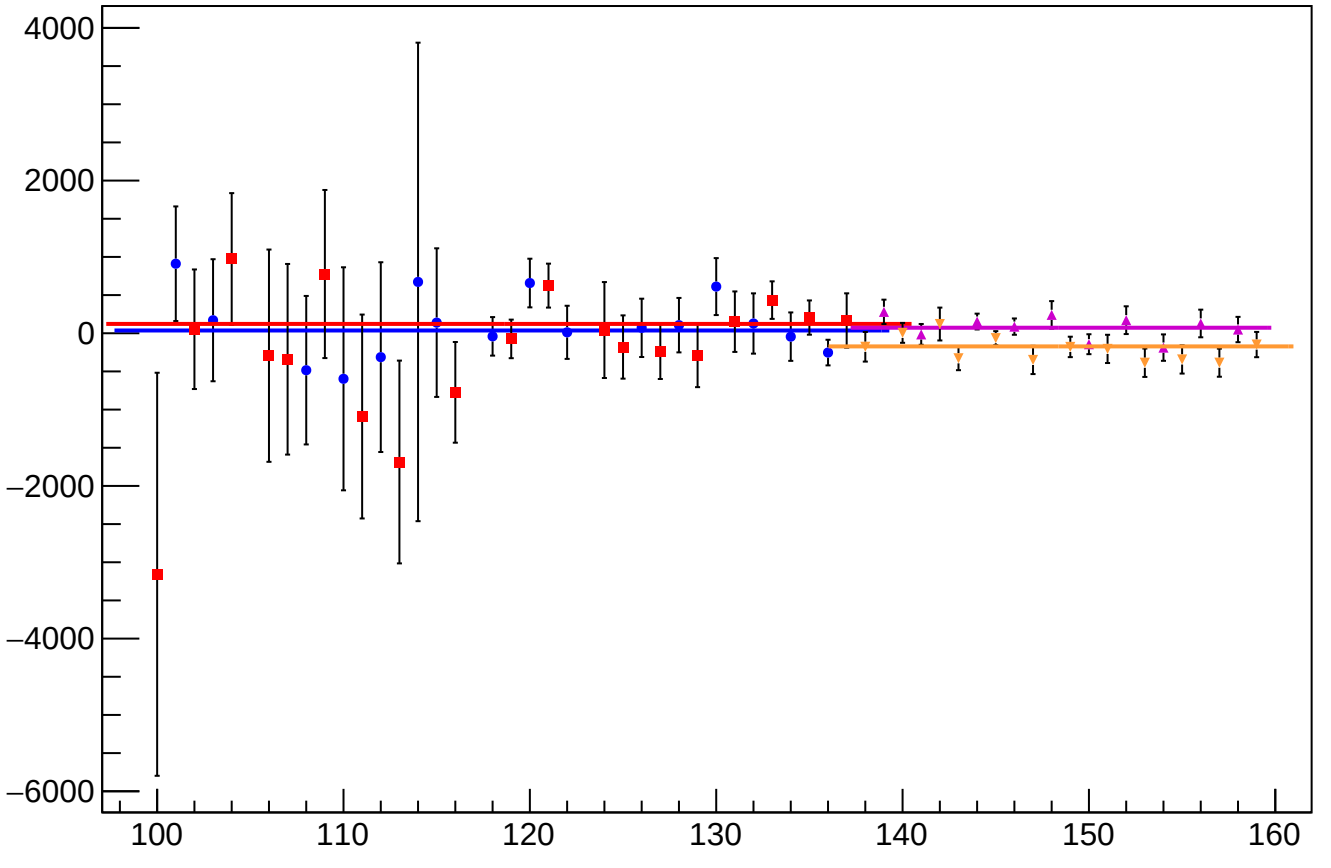
Left: 40.935+/-0.007 χ^2/NDF: 284908.5/21

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.036+/-0.008 χ^2/NDF:1915313.2/25

Out: 45.492+/-0.008 χ^2/NDF:2242383.0/30

All: 45.268+/-0.006 χ^2/NDF: 4159261.9/56



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -172.259+/-44.457 χ^2/NDF:10.6/11

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 72.332+/-44.988 χ^2/NDF:9.0/9

Left: -51.414+/-31.622 χ^2/NDF: 34.6/21

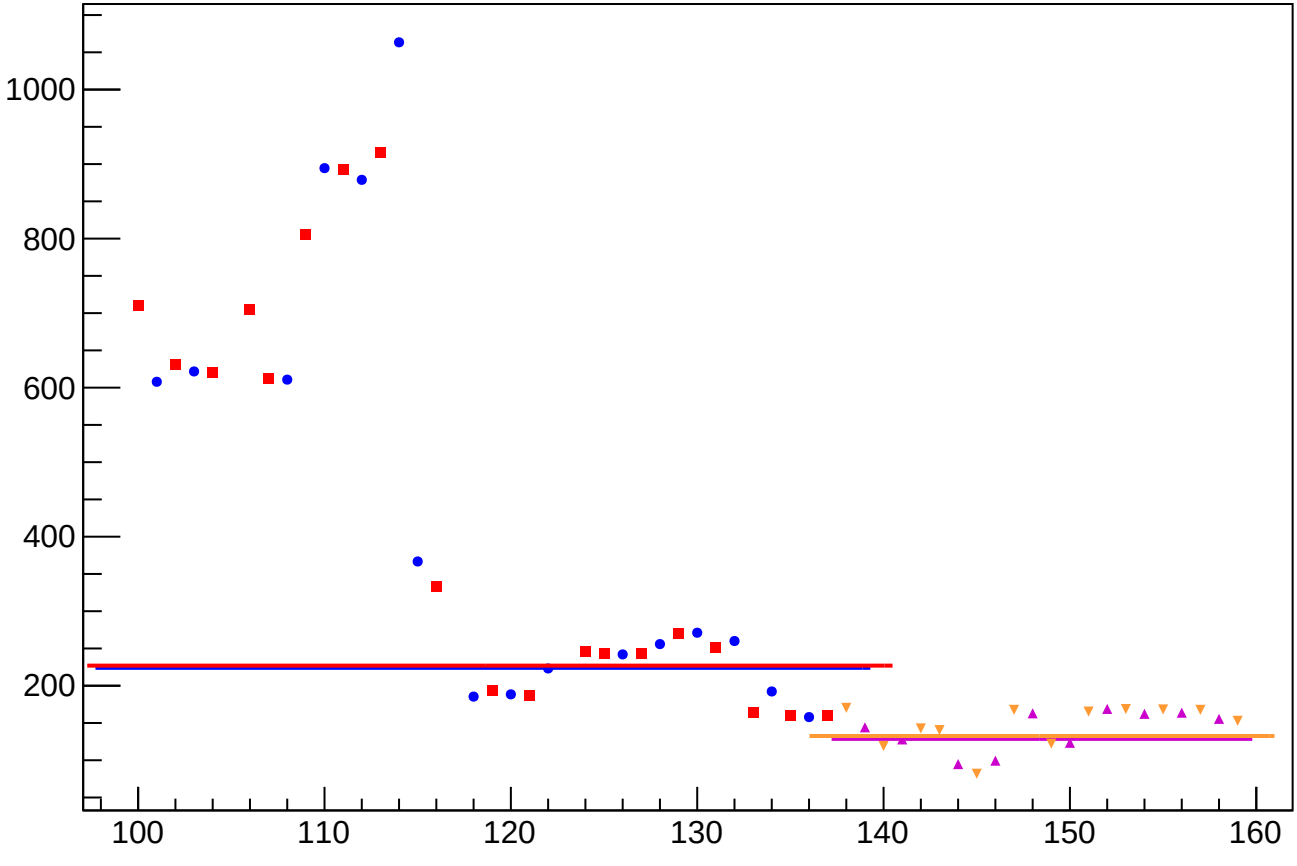
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 65.571+/-40.544 χ^2/NDF:20.6/25

Out: -120.125+/-40.331 χ^2/NDF:34.0/30

All: -27.766+/-28.594 χ^2/NDF: 65.0/56

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: 132.529+/-0.031 χ^2/NDF:1117756.9/11

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

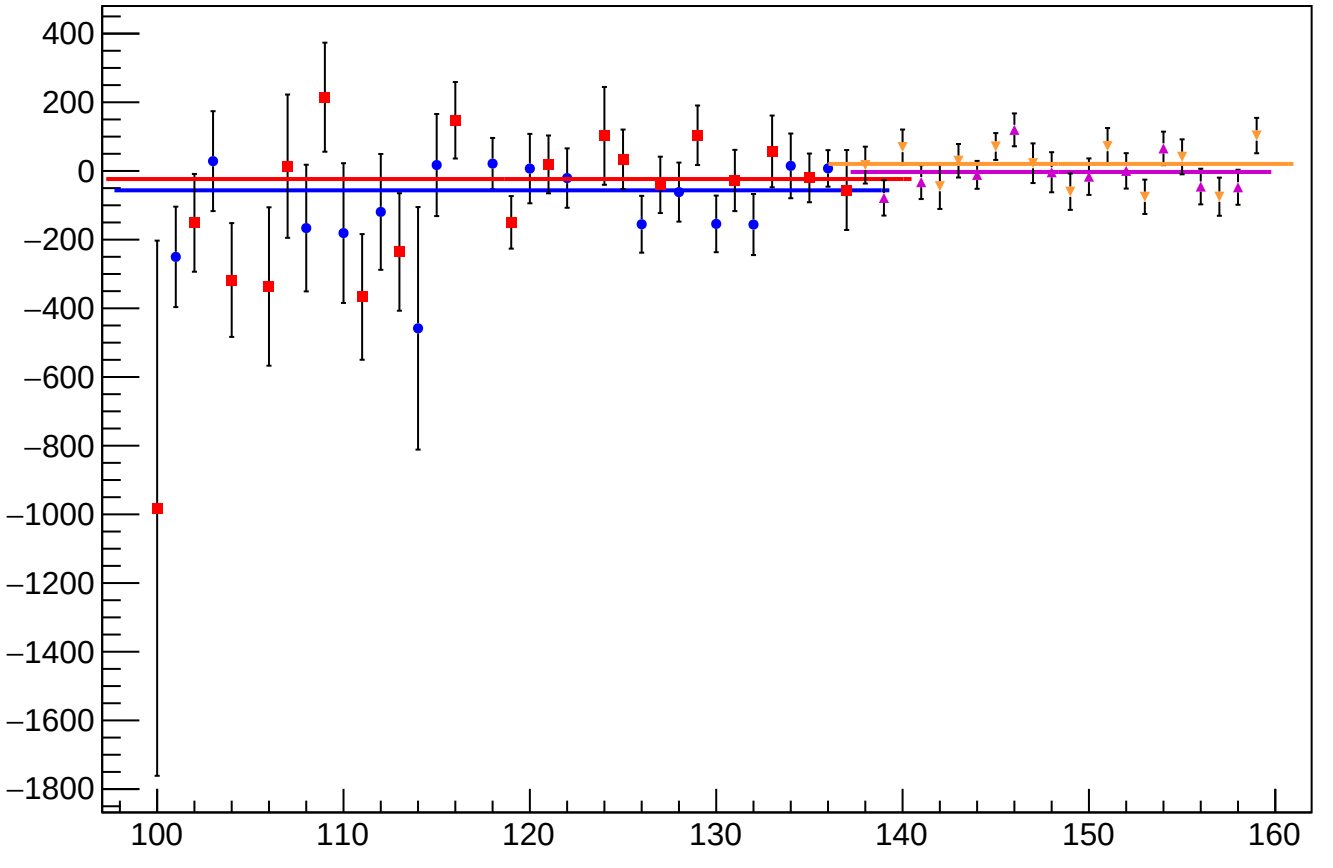
Left: 130.623+/-0.022 χ^2/NDF: 1884693.8/21

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 146.581+/-0.029 χ^2/NDF:5415349.7/25

Out: 149.245+/-0.029 χ^2/NDF:6287225.9/30

All: 147.920+/-0.020 χ^2/NDF: 11706916.0/56



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.516+/-14.847 χ^2/NDF:16.3/11

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -2.987+/-15.748 χ^2/NDF:12.6/9

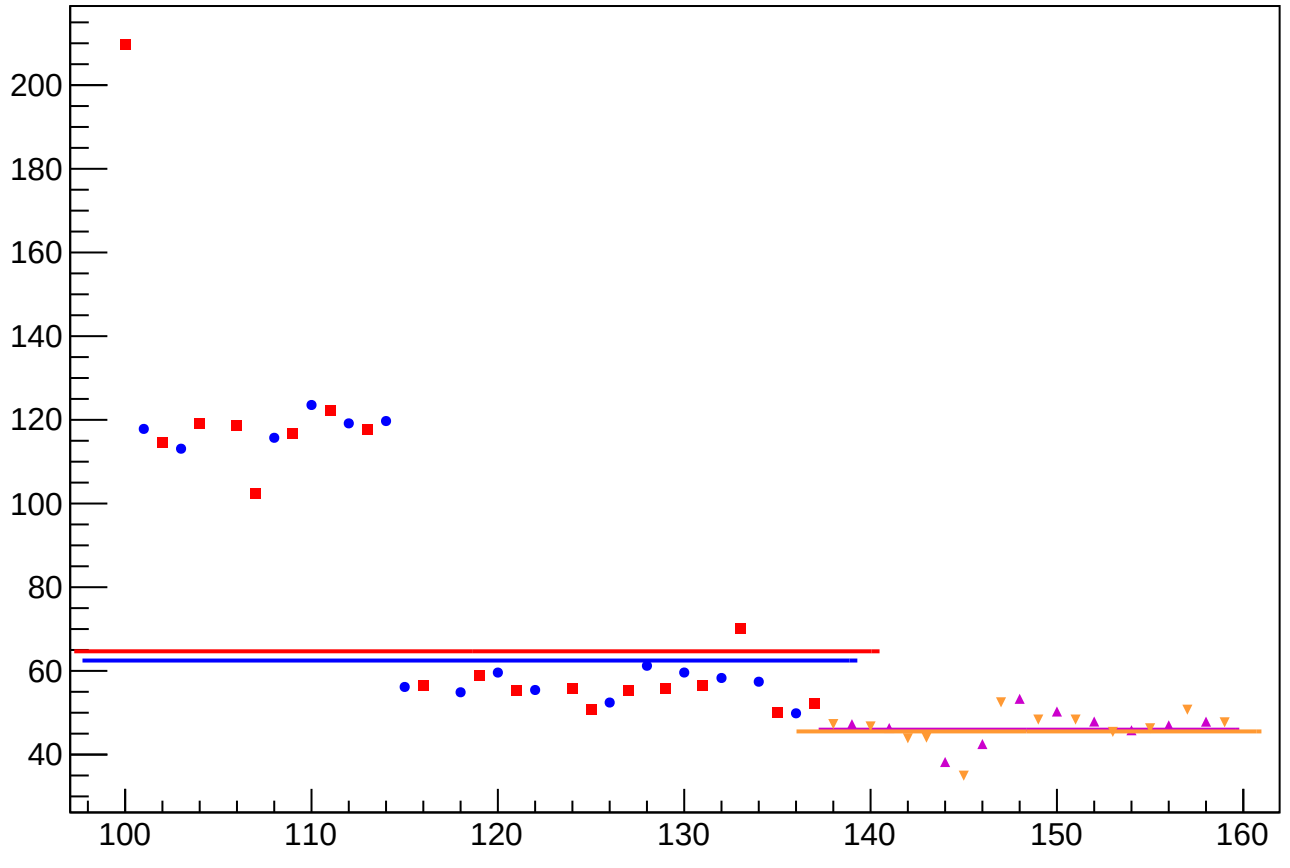
Left: 9.456+/-10.803 χ^2/NDF: 30.1/21

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -18.617+/-13.246 χ^2/NDF:28.2/25

Out: 9.149+/-12.787 χ^2/NDF:42.6/30

All: -4.245+/-9.200 χ^2/NDF: 73.1/56



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.532+/-0.010 χ^2/NDF:214723.0/11

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.950+/-0.011 χ^2/NDF:135849.9/9

Left: 45.729+/-0.008 χ^2/NDF: 351319.9/21

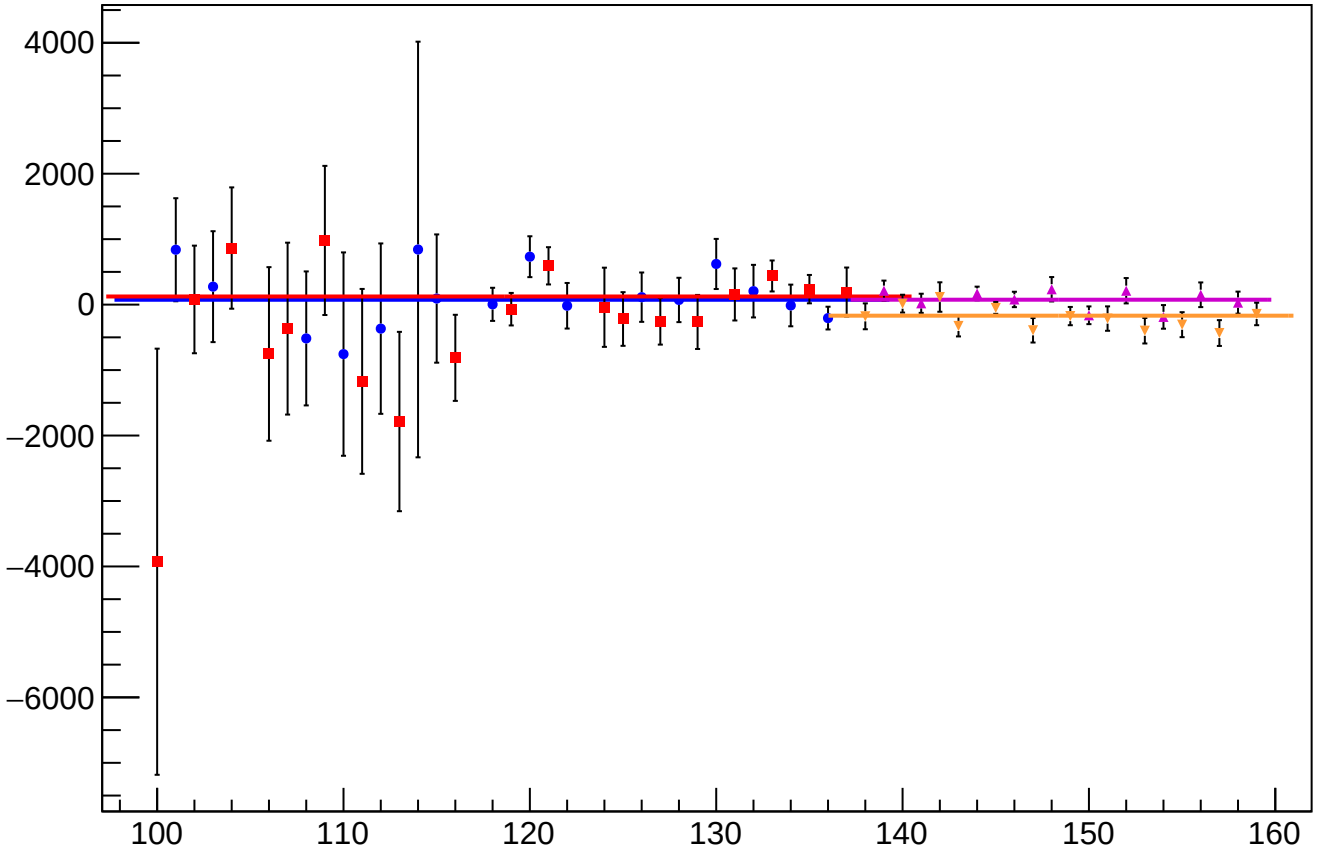
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.784+/-0.009 χ^2/NDF:2128264.4/25

Out: 50.478+/-0.009 χ^2/NDF:2664383.4/30

All: 50.626+/-0.007 χ^2/NDF: 4793203.8/56

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: -168.991+/-45.462 χ^2/NDF:11.3/11

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 74.929+/-46.810 χ^2/NDF:8.4/9

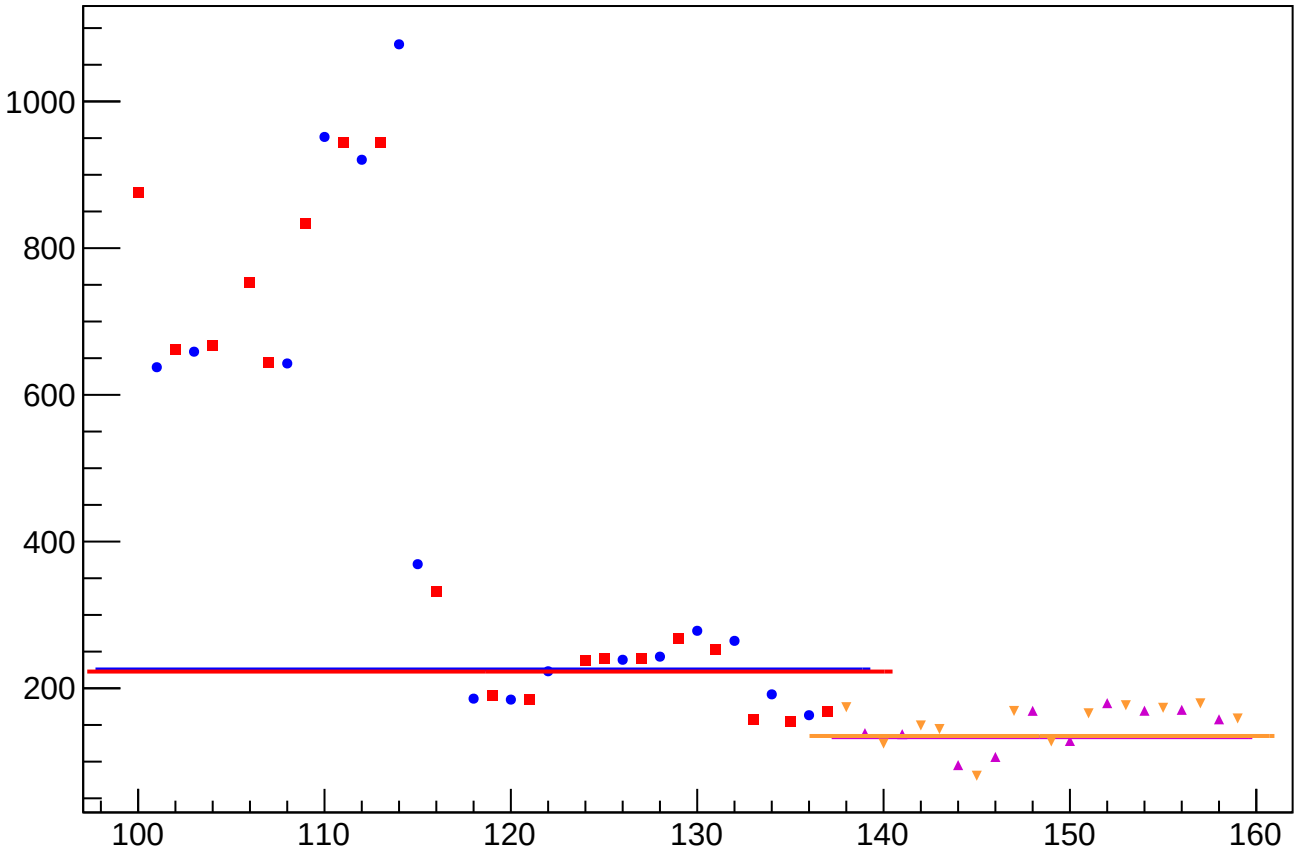
Left: -50.593+/-32.613 χ^2/NDF: 33.7/21

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 74.804+/-41.945 χ^2/NDF:19.6/25

Out: -114.044+/-40.982 χ^2/NDF:35.5/30

All: -21.814+/-29.313 χ^2/NDF: 65.5/56



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 134.976+/-0.032 χ^2/NDF:1271396.1/11

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 133.381+/-0.033 χ^2/NDF:766113.5/9

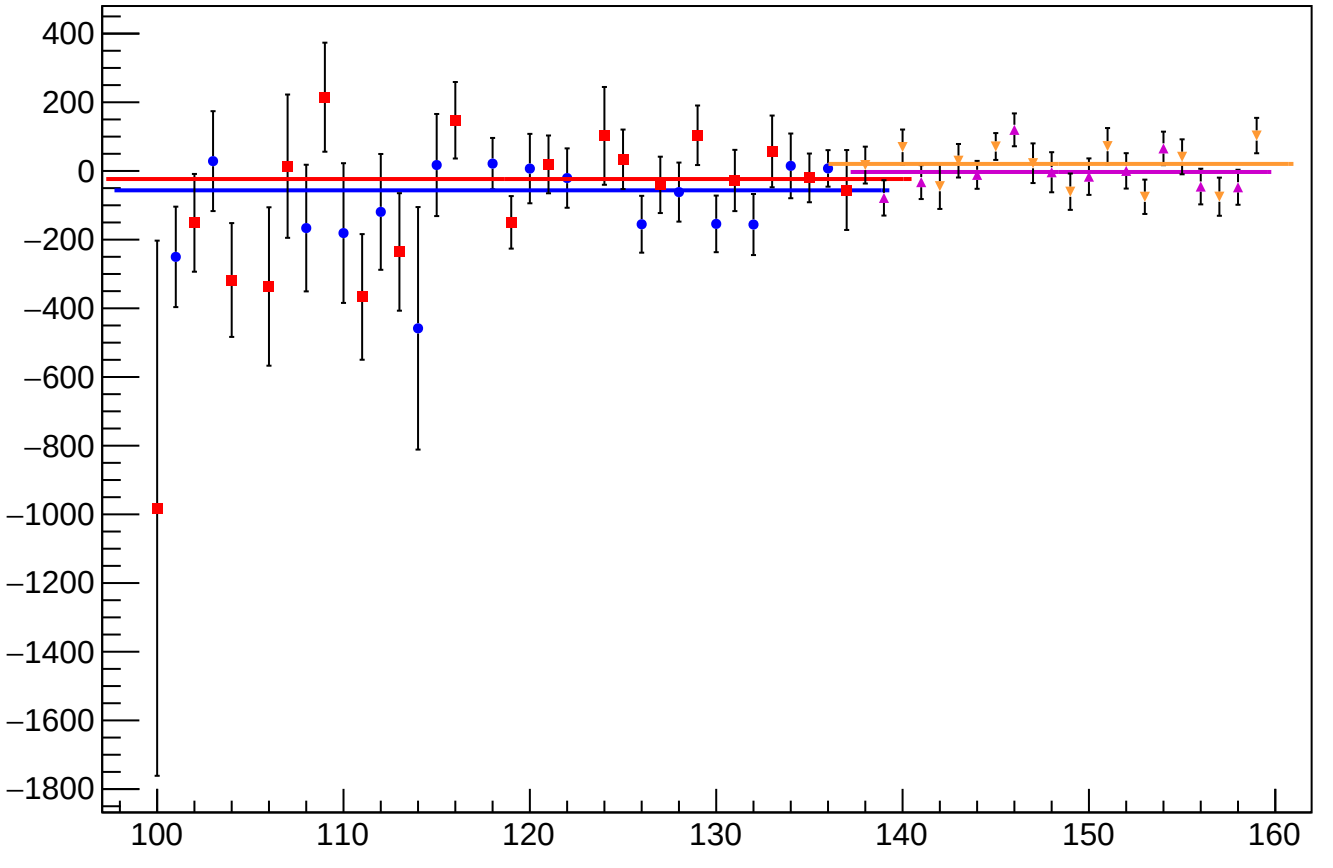
Left: 134.202+/-0.023 χ^2/NDF: 2038704.3/21

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 151.556+/-0.030 χ^2/NDF:5322154.1/25

Out: 151.432+/-0.029 χ^2/NDF:6517877.8/30

All: 151.493+/-0.021 χ^2/NDF: 11840040.7/56



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.516+/-14.847 χ^2/NDF:16.3/11

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -2.986+/-15.748 χ^2/NDF:12.6/9

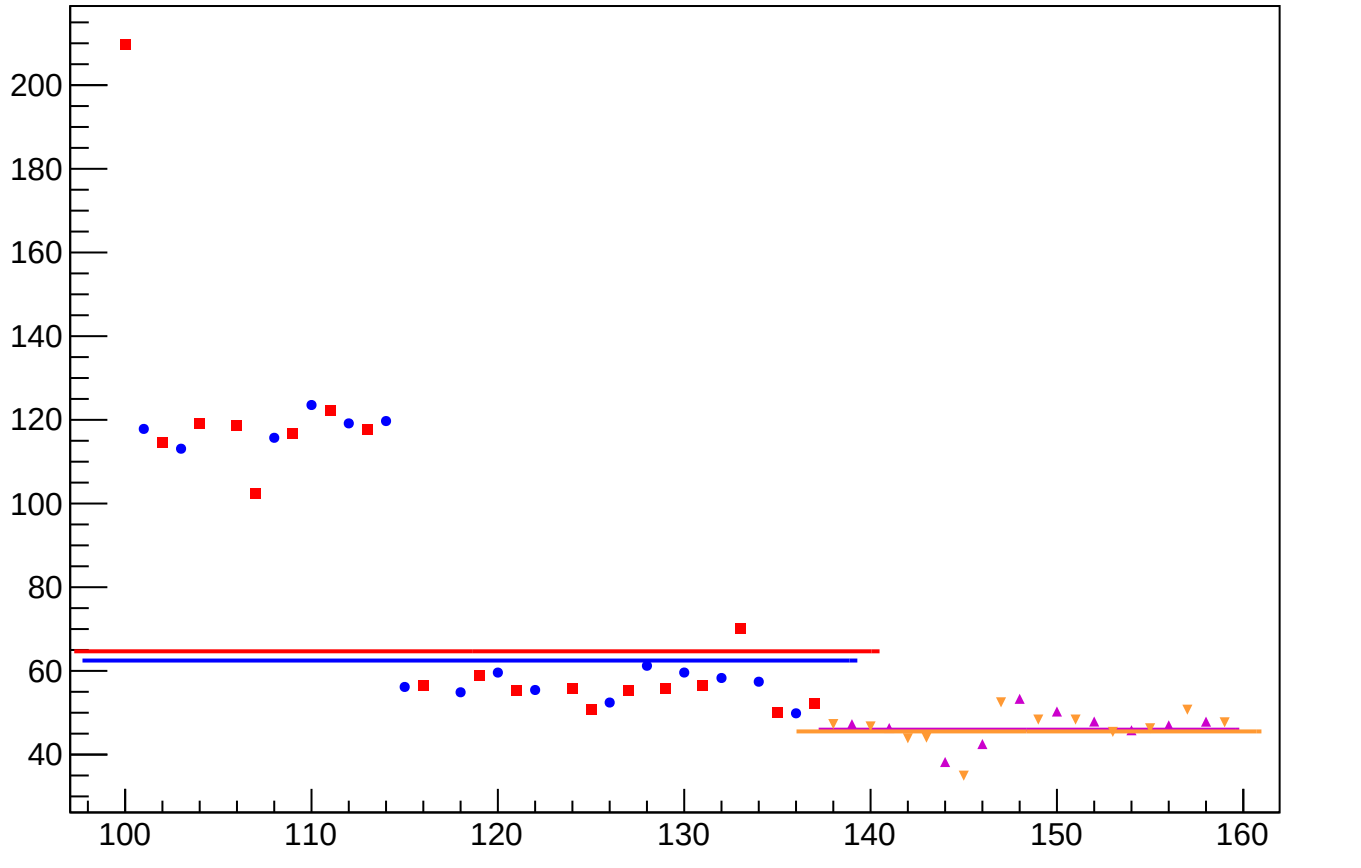
Left: 9.457+/-10.803 χ^2/NDF: 30.1/21

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -18.617+/-13.246 χ^2/NDF:28.2/25

Out: 9.148+/-12.787 χ^2/NDF:42.6/30

All: -4.245+/-9.200 χ^2/NDF: 73.1/56



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.532+/-0.010 χ^2/NDF:214728.1/11

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.950+/-0.011 χ^2/NDF:135850.3/9

Left: 45.729+/-0.008 χ^2/NDF: 351325.4/21

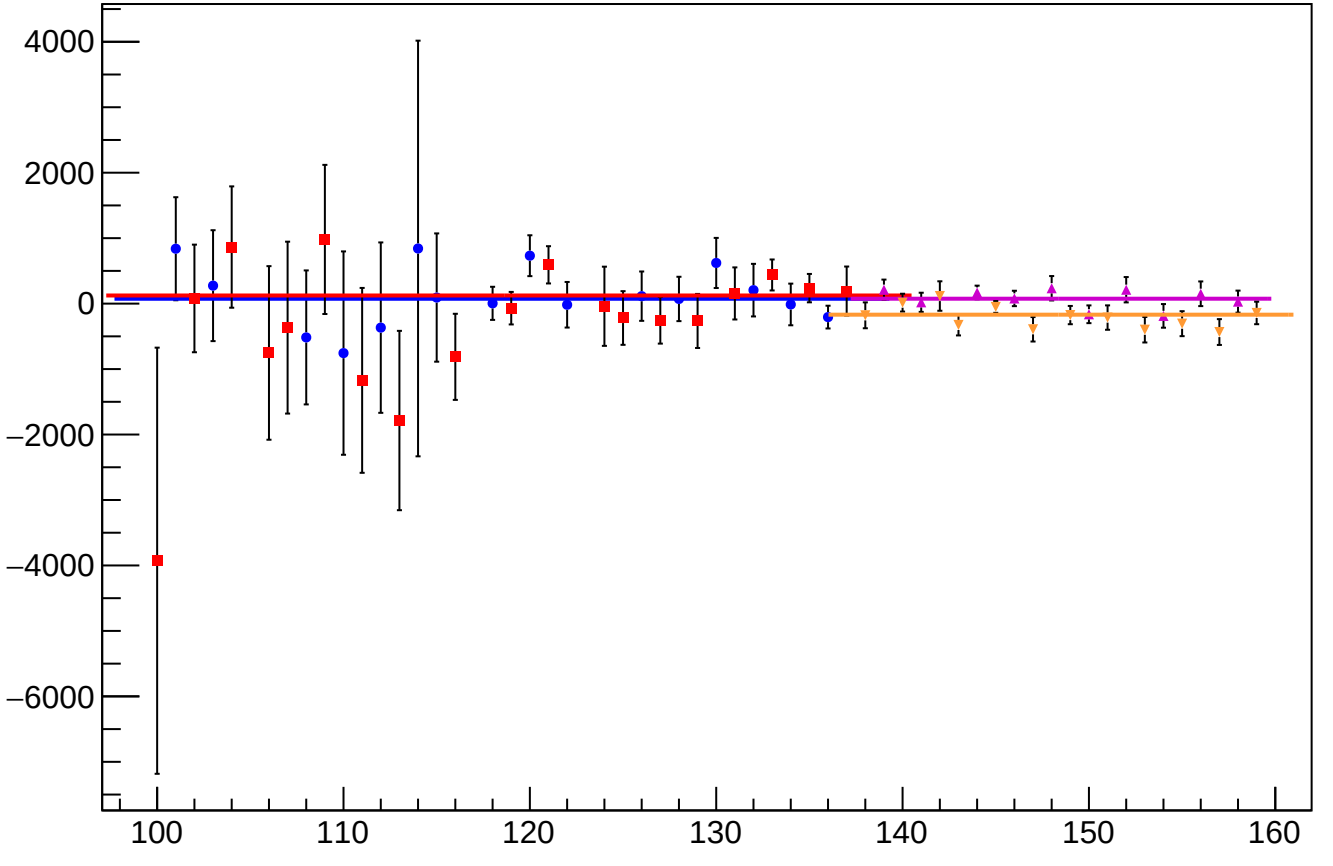
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 50.784+/-0.009 χ^2/NDF:2128205.3/25

Out: 50.478+/-0.009 χ^2/NDF:2664338.5/30

All: 50.626+/-0.007 χ^2/NDF: 4793099.5/56

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: -168.991+/-45.463 χ^2/NDF:11.3/11

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 74.929+/-46.810 χ^2/NDF:8.4/9

Left: -50.592+/-32.613 χ^2/NDF: 33.7/21

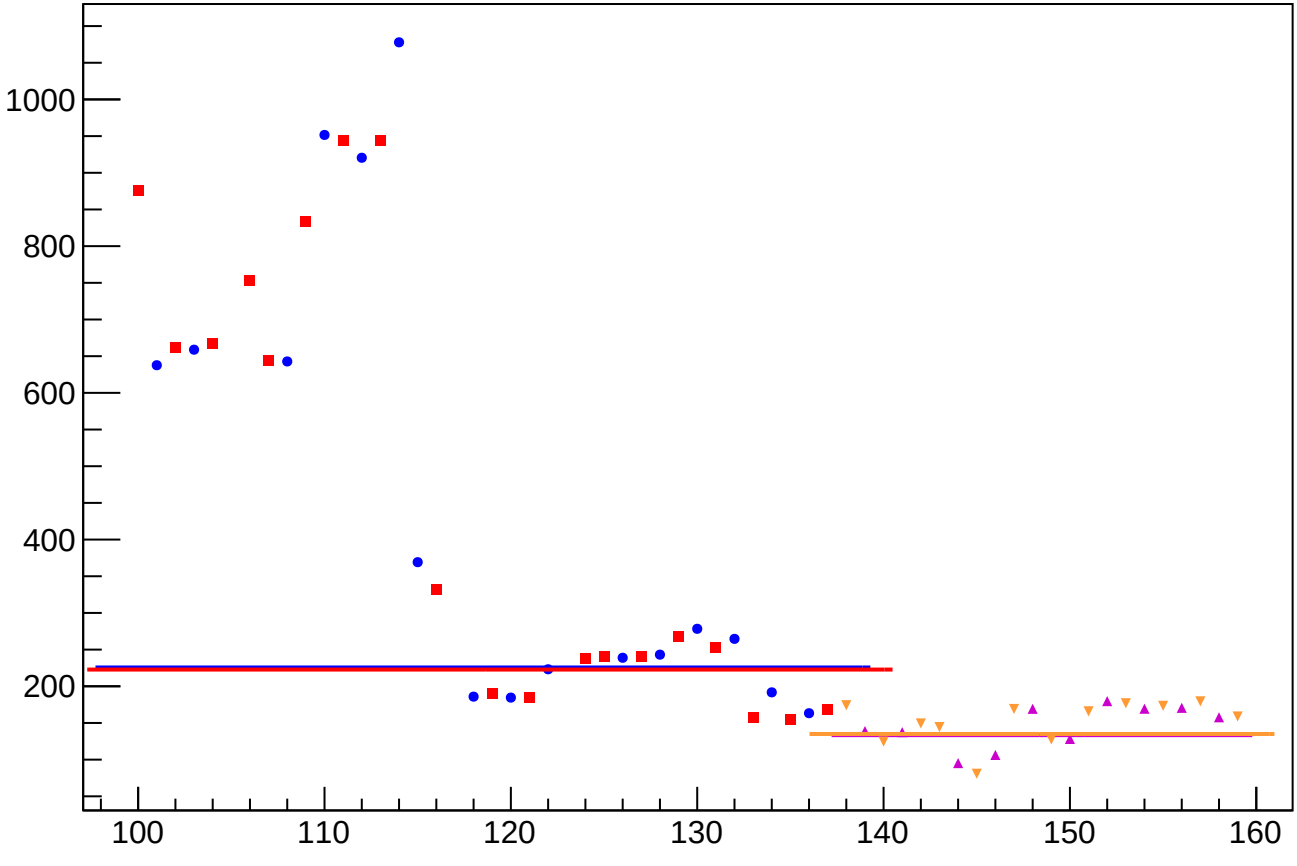
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 74.804+/-41.945 χ^2/NDF:19.6/25

Out: -114.044+/-40.982 χ^2/NDF:35.5/30

All: -21.814+/-29.313 χ^2/NDF: 65.5/56

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 134.976+/-0.032 χ^2/NDF:1271386.5/11

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 133.381+/-0.033 χ^2/NDF:766109.9/9

Left: 134.202+/-0.023 χ^2/NDF: 2038691.5/21

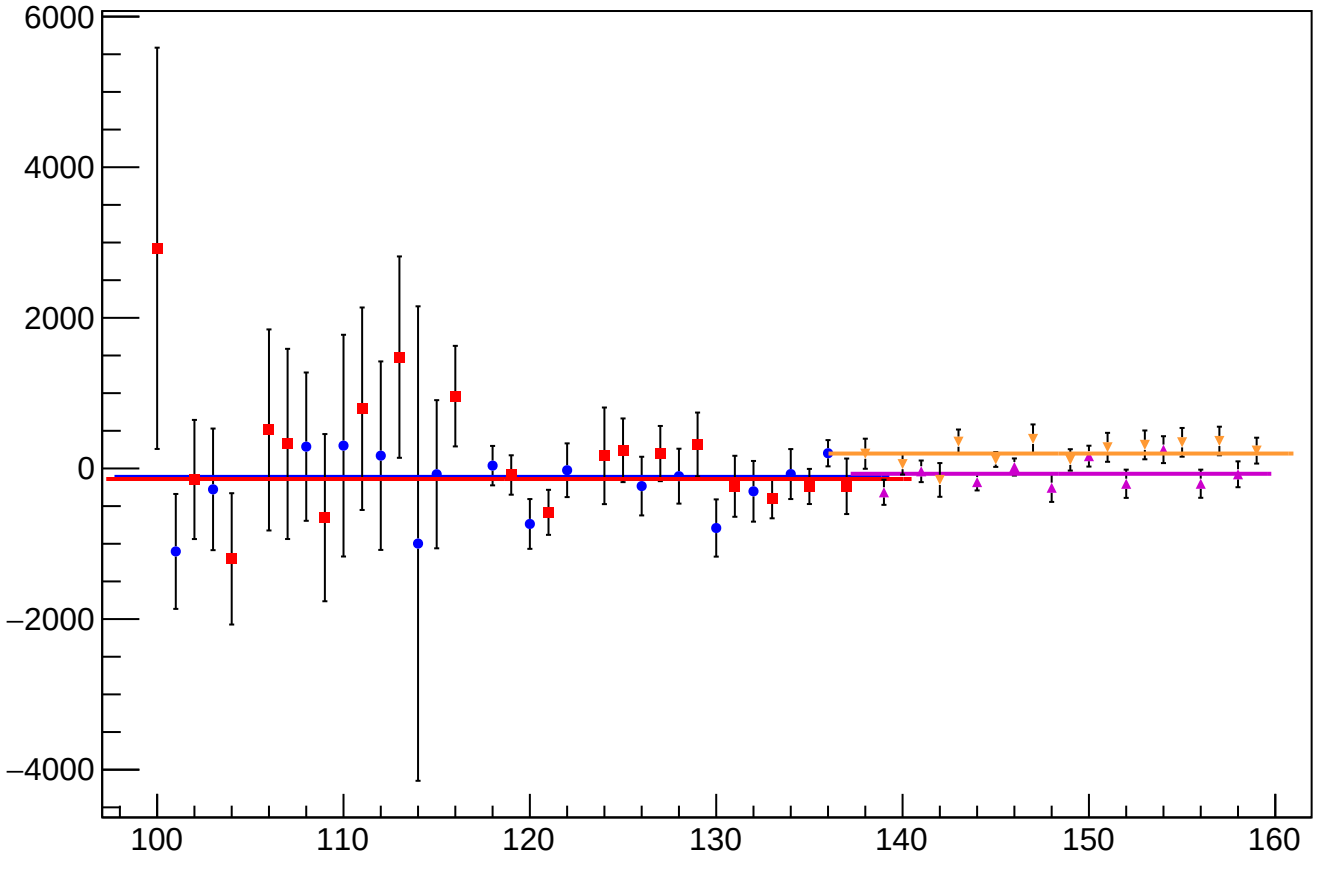
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 151.556+/-0.030 χ^2/NDF:5322130.5/25

Out: 151.433+/-0.029 χ^2/NDF:6517846.1/30

All: 151.493+/-0.021 χ^2/NDF: 11839985.4/56

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 198.001+/-46.733 χ^2/NDF:8.4/11

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -70.674+/-47.364 χ^2/NDF:11.9/9

Left: 65.467+/-33.266 χ^2/NDF: 36.6/21

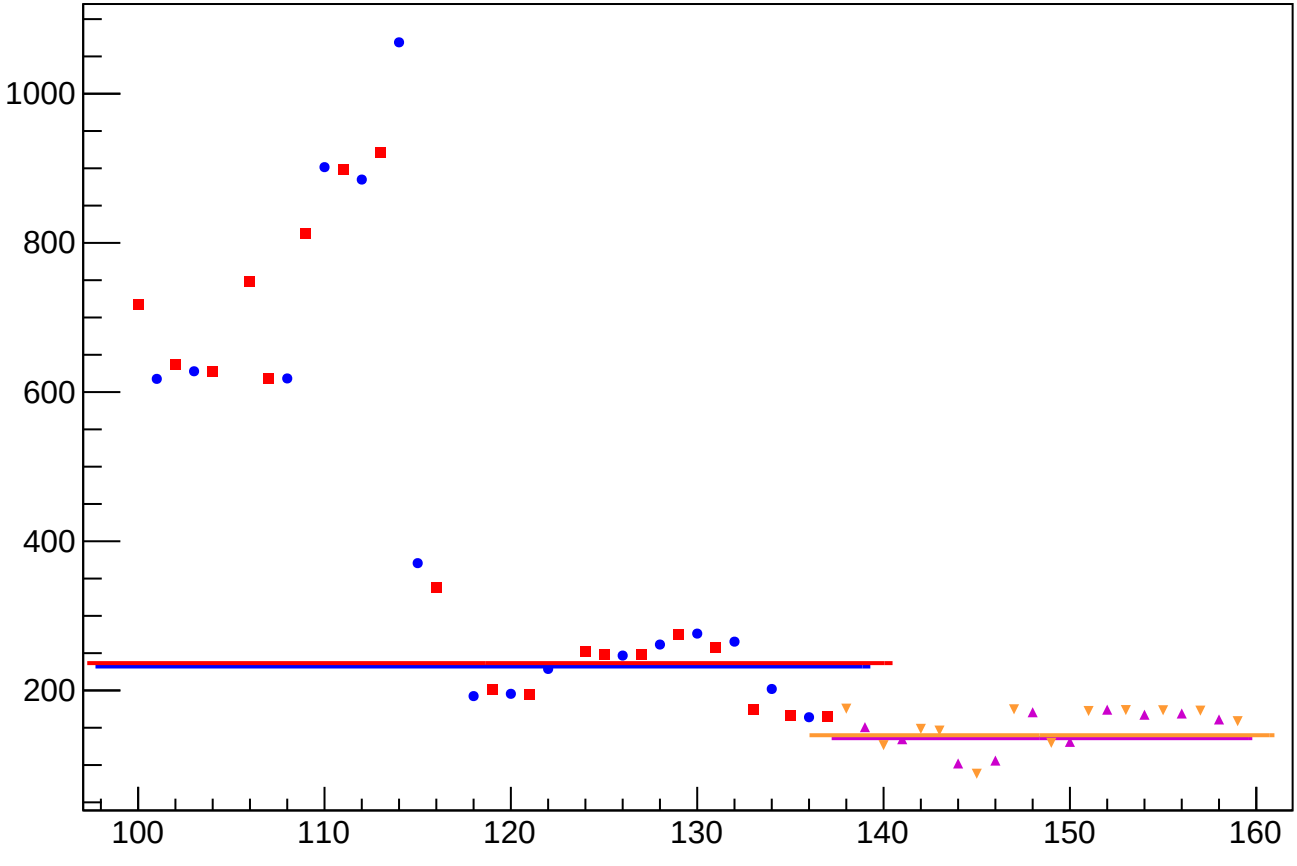
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -78.674+/-42.523 χ^2/NDF:24.9/25

Out: 136.590+/-42.274 χ^2/NDF:32.5/30

All: 29.590+/-29.980 χ^2/NDF: 70.3/56

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 139.963+/-0.033 χ^2/NDF:975160.5/11

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 136.011+/-0.033 χ^2/NDF:662969.2/9

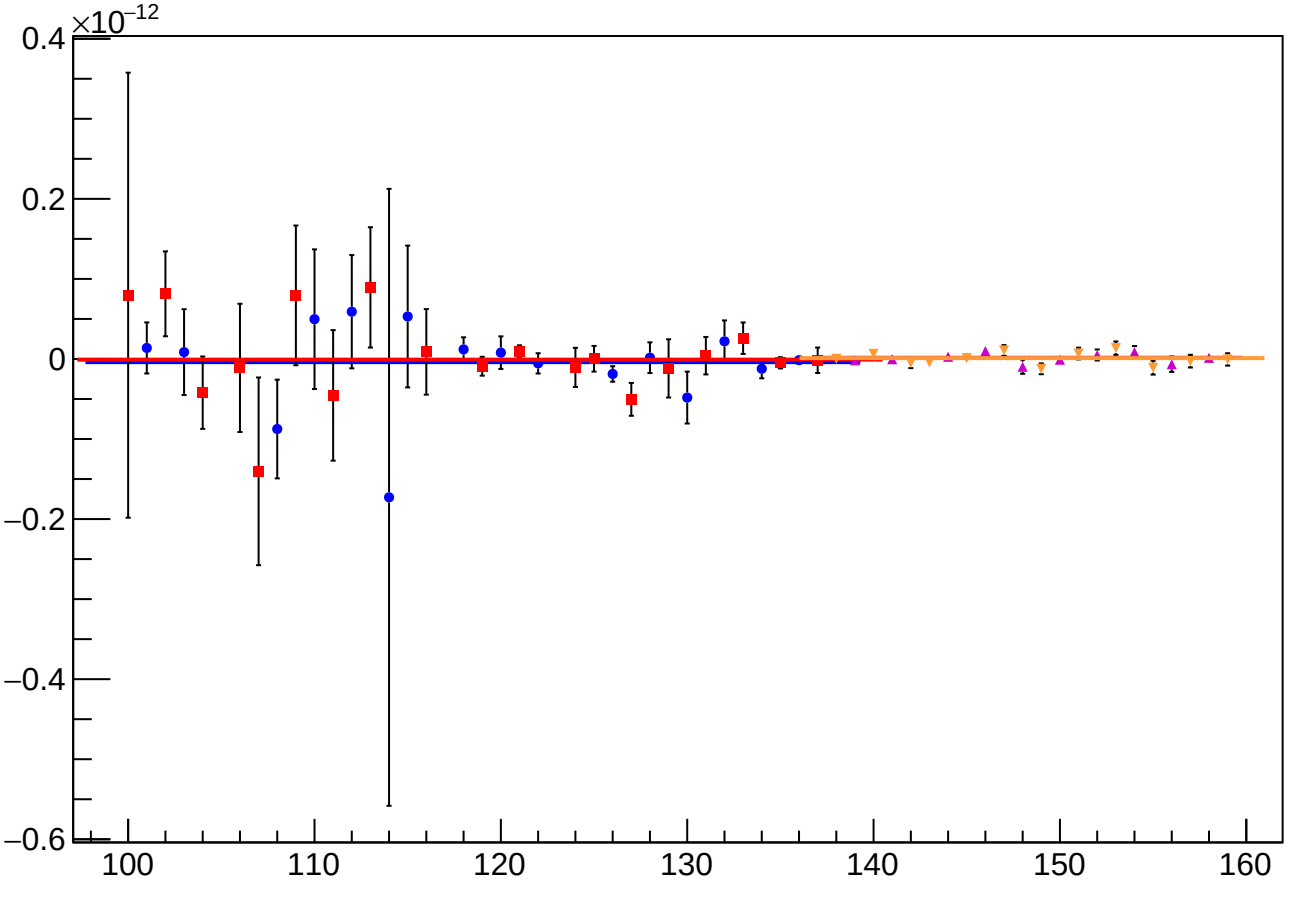
Left: 138.014+/-0.024 χ^2/NDF: 1645182.2/21

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 154.651+/-0.030 χ^2/NDF:5145362.6/25

Out: 157.530+/-0.030 χ^2/NDF:6051652.3/30

All: 156.099+/-0.021 χ^2/NDF: 11201624.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

Left: 0.000+/-0.000 χ^2/NDF: 21.7/21

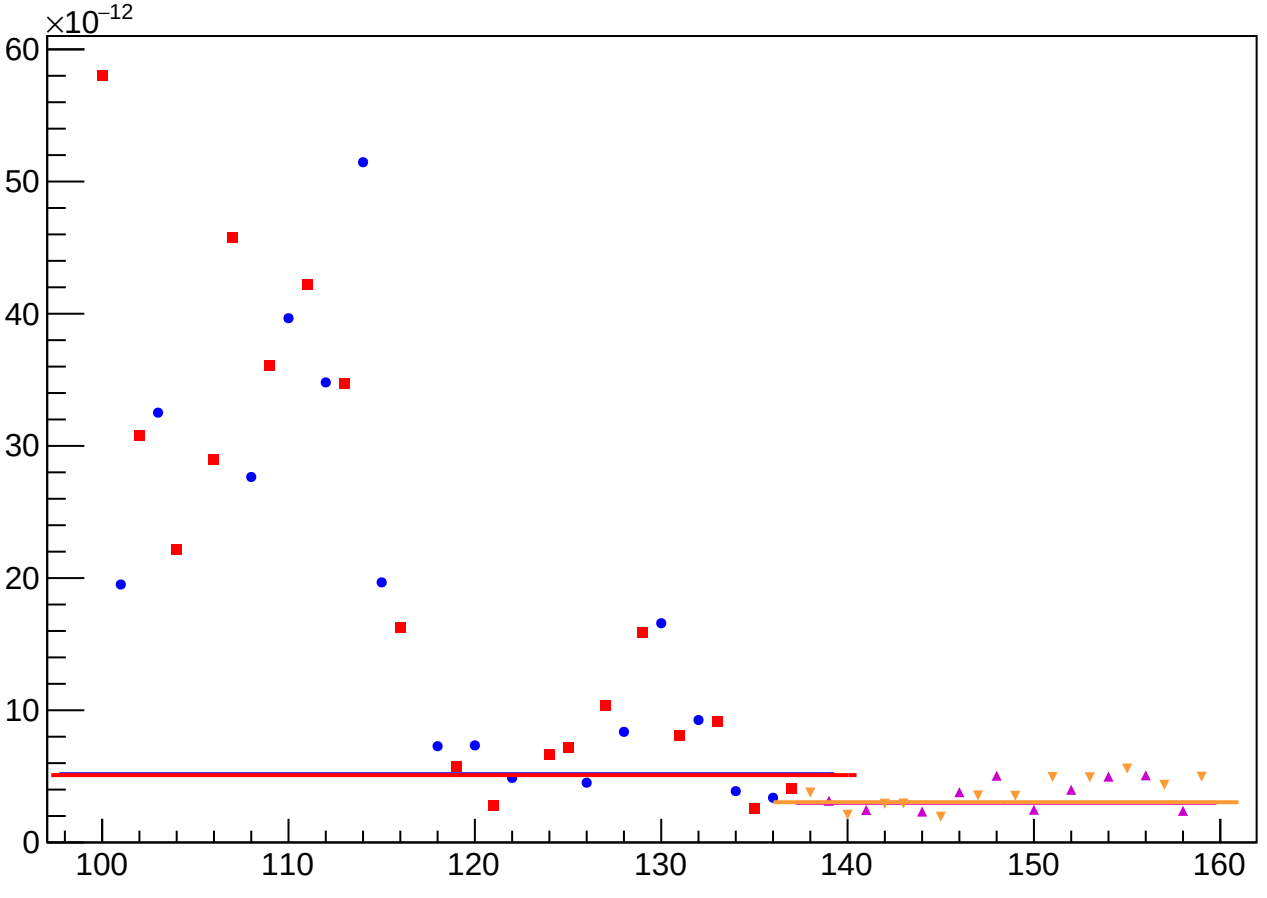
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.7/25

Out: 0.000+/-0.000 χ^2/NDF:33.5/30

All: 0.000+/-0.000 χ^2/NDF: 53.2/56

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:1025050.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:581337.0/9

Left: 0.000+/-0.000 χ^2/NDF: 1607229.2/21

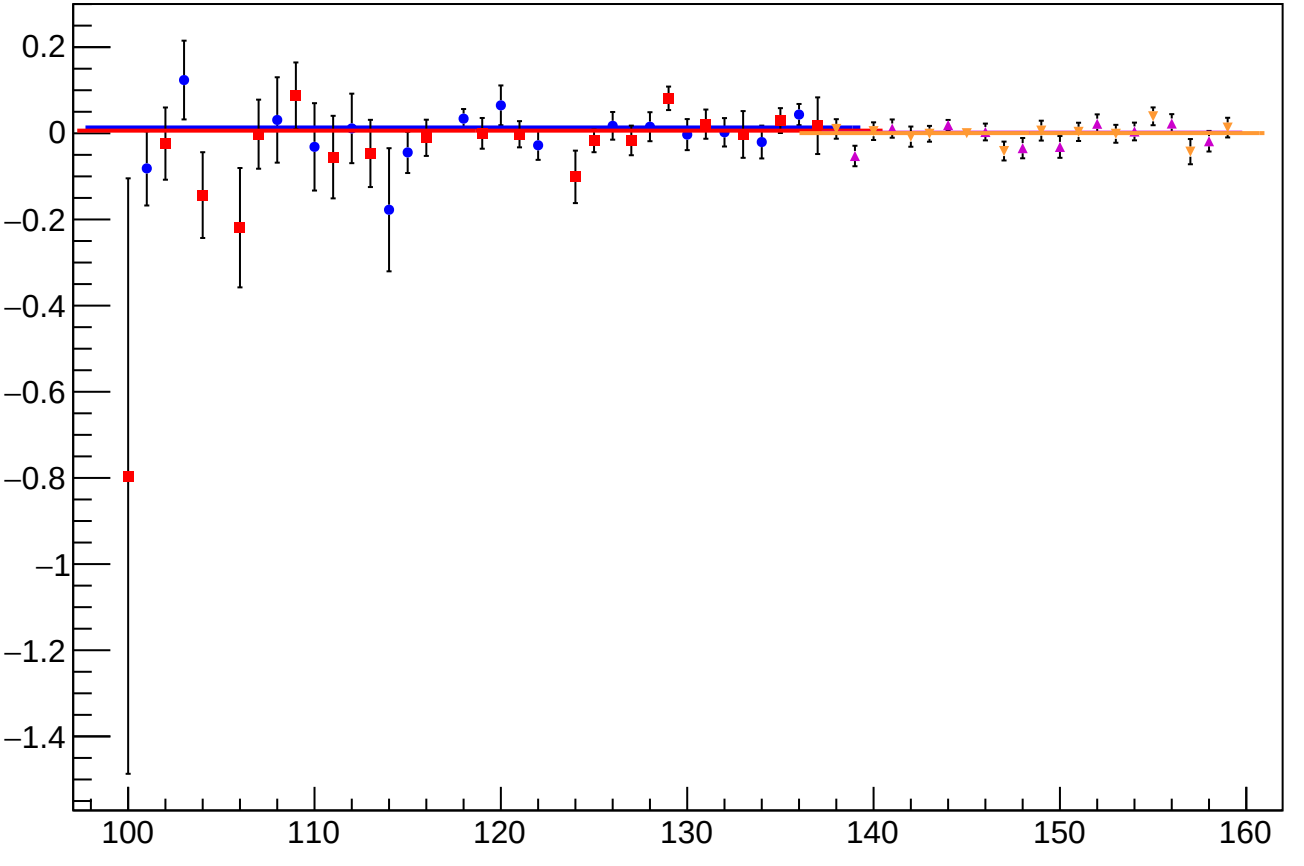
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3776494.3/25

Out: 0.000+/-0.000 χ^2/NDF:4724190.0/30

All: 0.000+/-0.000 χ^2/NDF: 8501340.1/56

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.006 χ^2/NDF:10.1/11

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

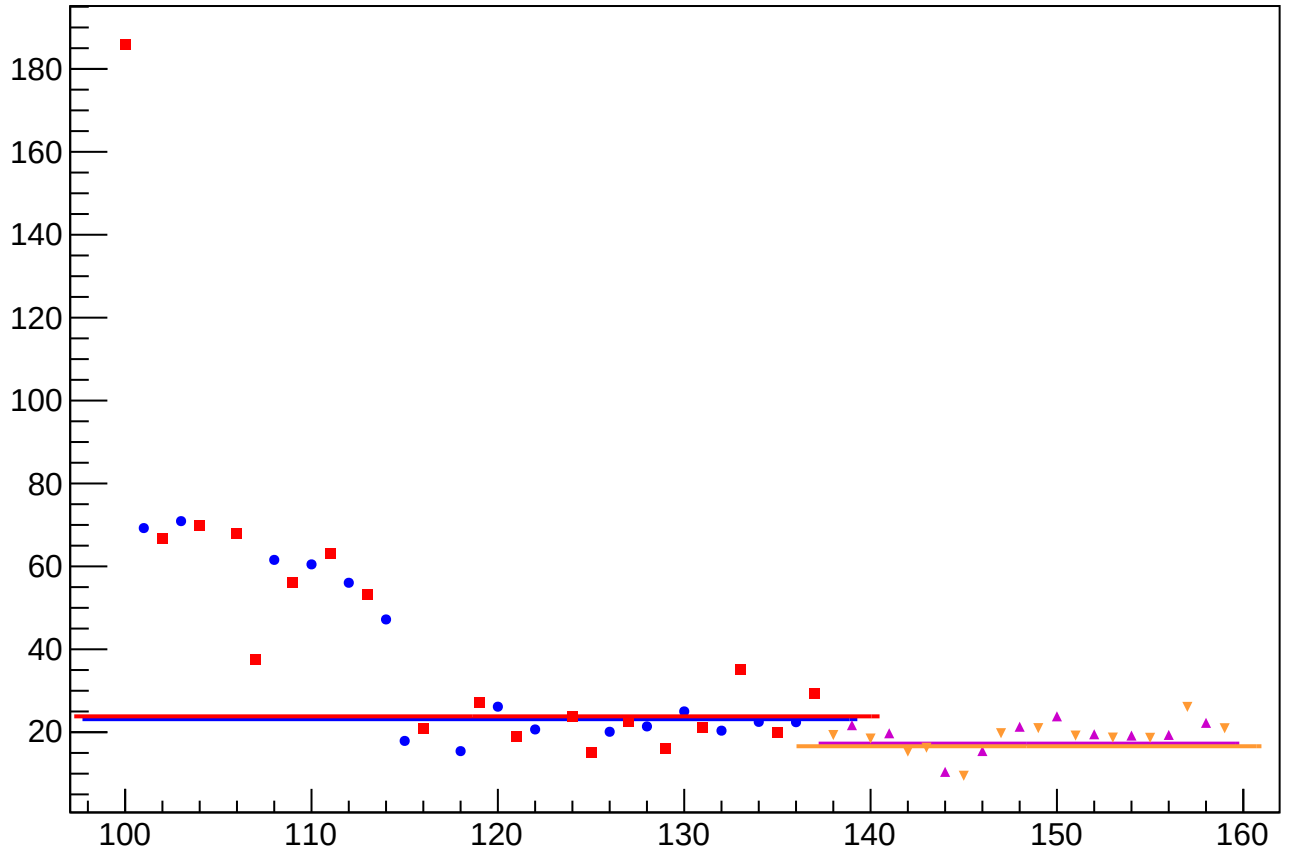
Left: 0.001+/-0.004 χ^2/NDF: 24.4/21

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.003+/-0.004 χ^2/NDF: 59.6/56



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.614+/-0.004 χ^2/NDF:1309738.7/11

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

Left: 16.899+/-0.003 χ^2/NDF: 2444497.0/21

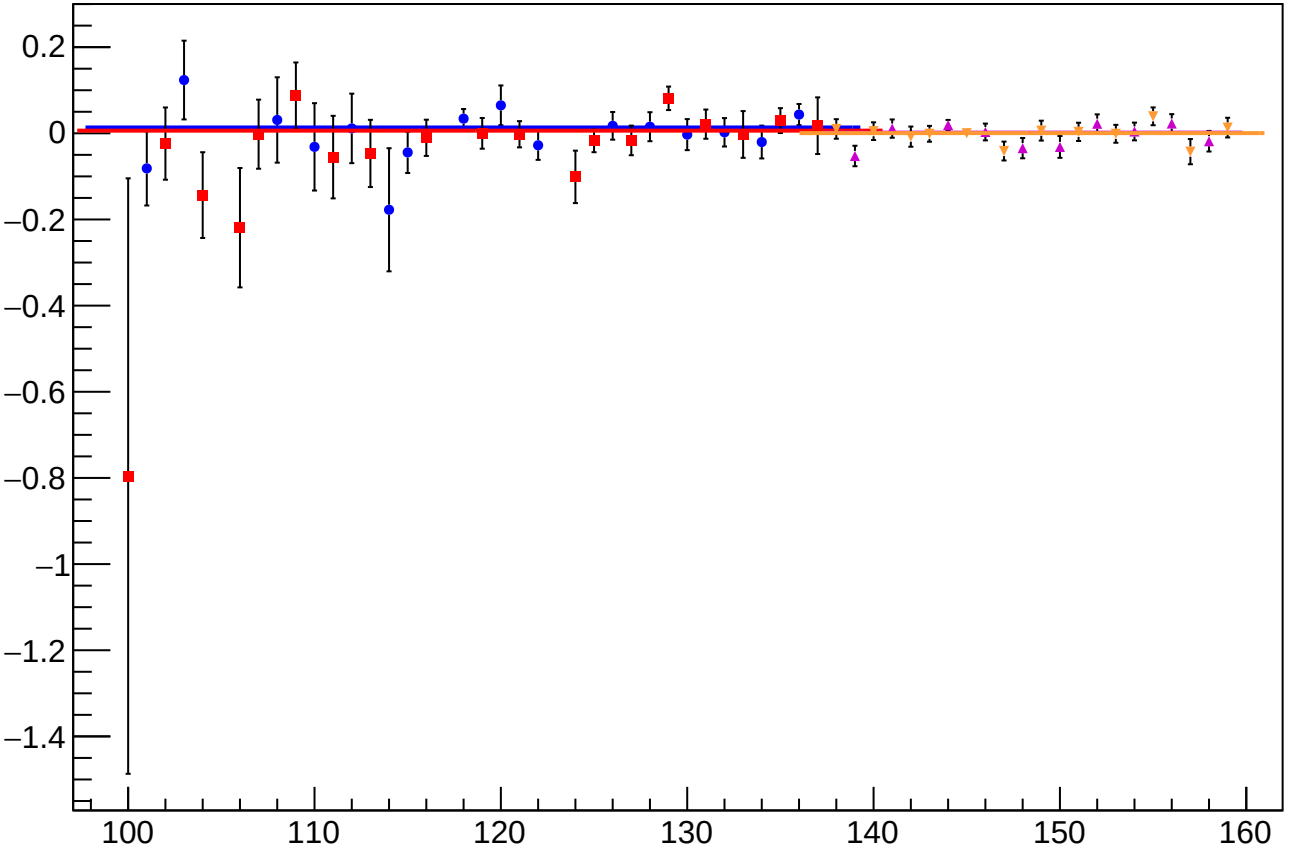
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.943+/-0.004 χ^2/NDF:4041541.3/25

Out: 18.360+/-0.004 χ^2/NDF:4986271.3/30

All: 18.633+/-0.003 χ^2/NDF: 9040793.9/56

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.006 χ^2/NDF:10.1/11

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.4/21

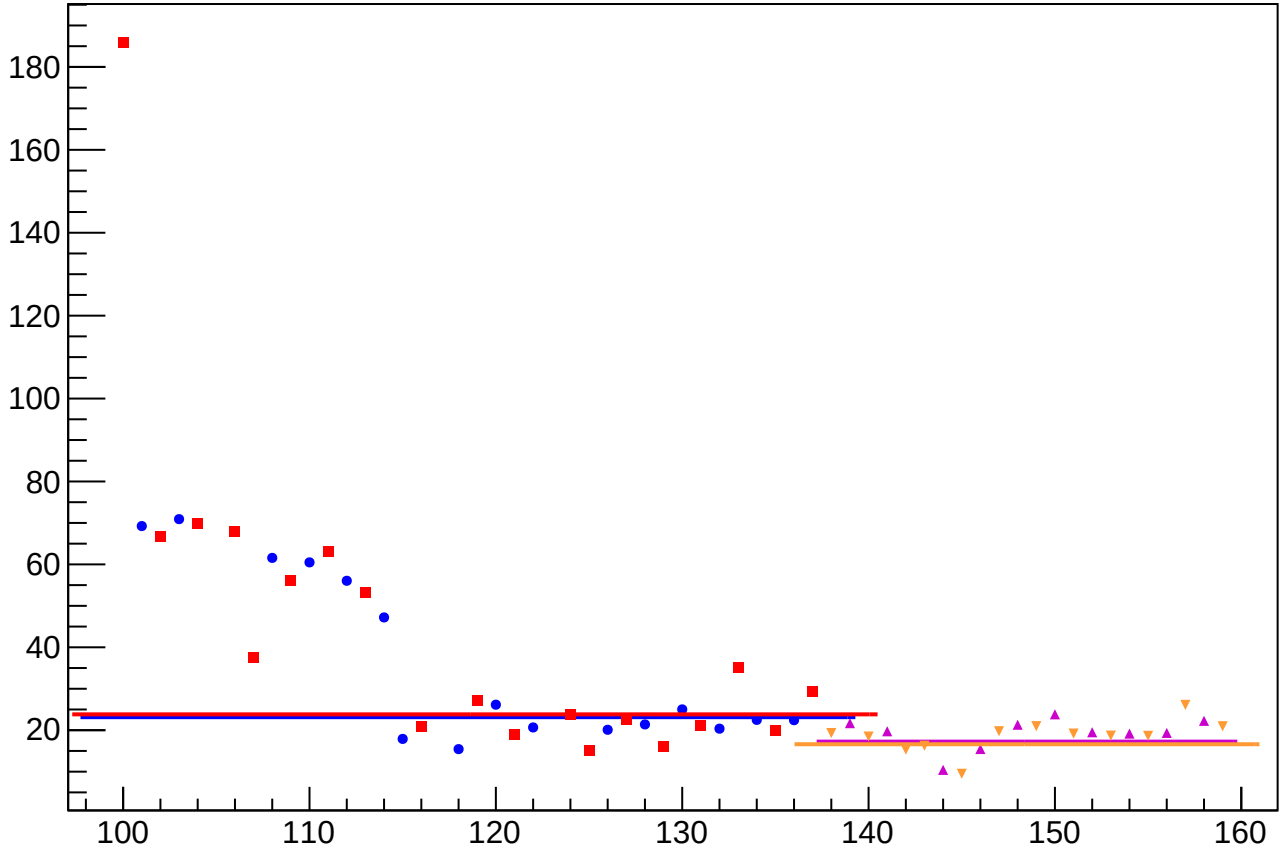
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.003+/-0.004 χ^2/NDF: 59.6/56

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: 16.614+/-0.004 χ^2/NDF:1309738.7/11

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

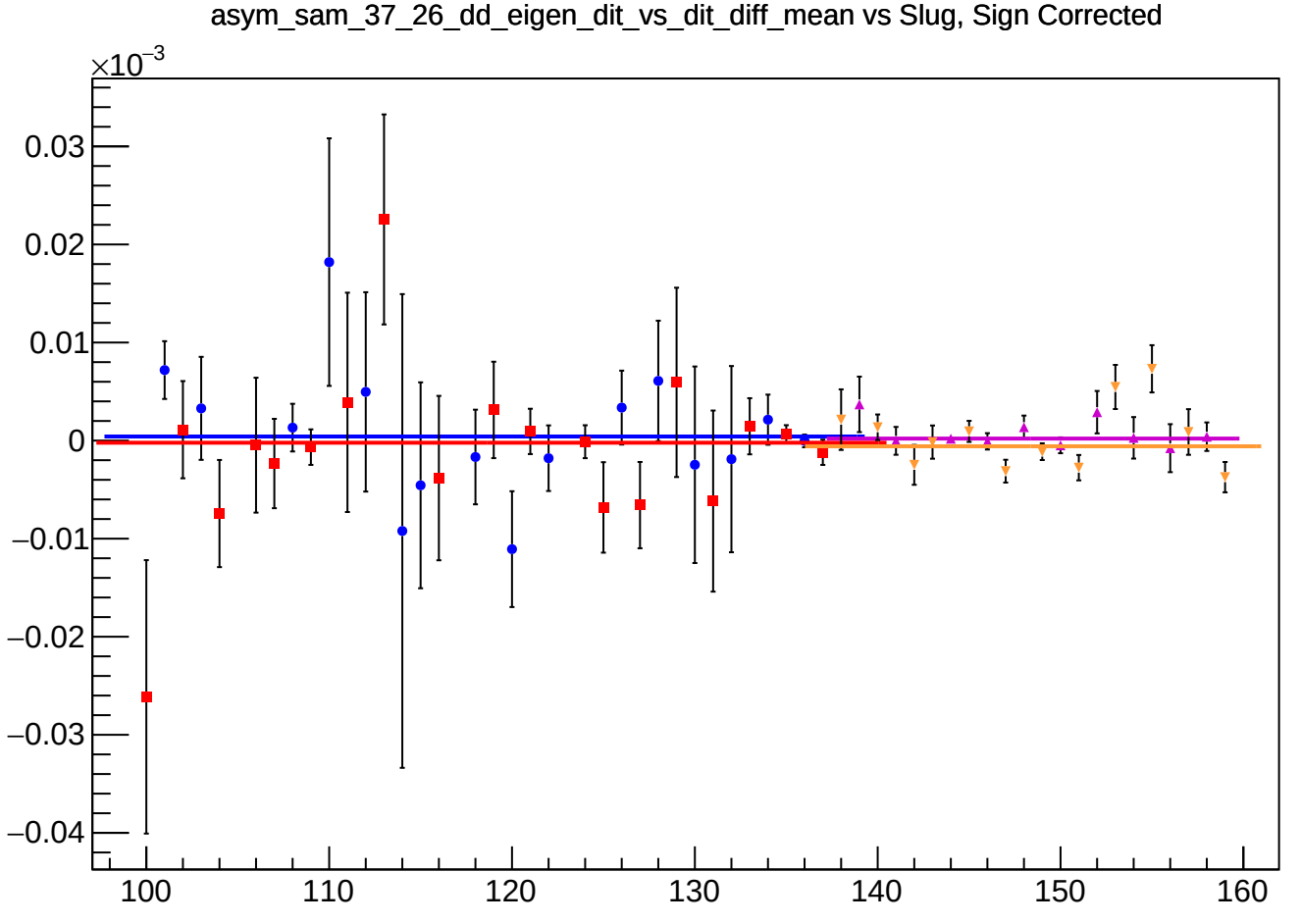
Left: 16.899+/-0.003 χ^2/NDF: 2444497.0/21

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.943+/-0.004 χ^2/NDF:4041541.3/25

Out: 18.360+/-0.004 χ^2/NDF:4986271.3/30

All: 18.633+/-0.003 χ^2/NDF: 9040793.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

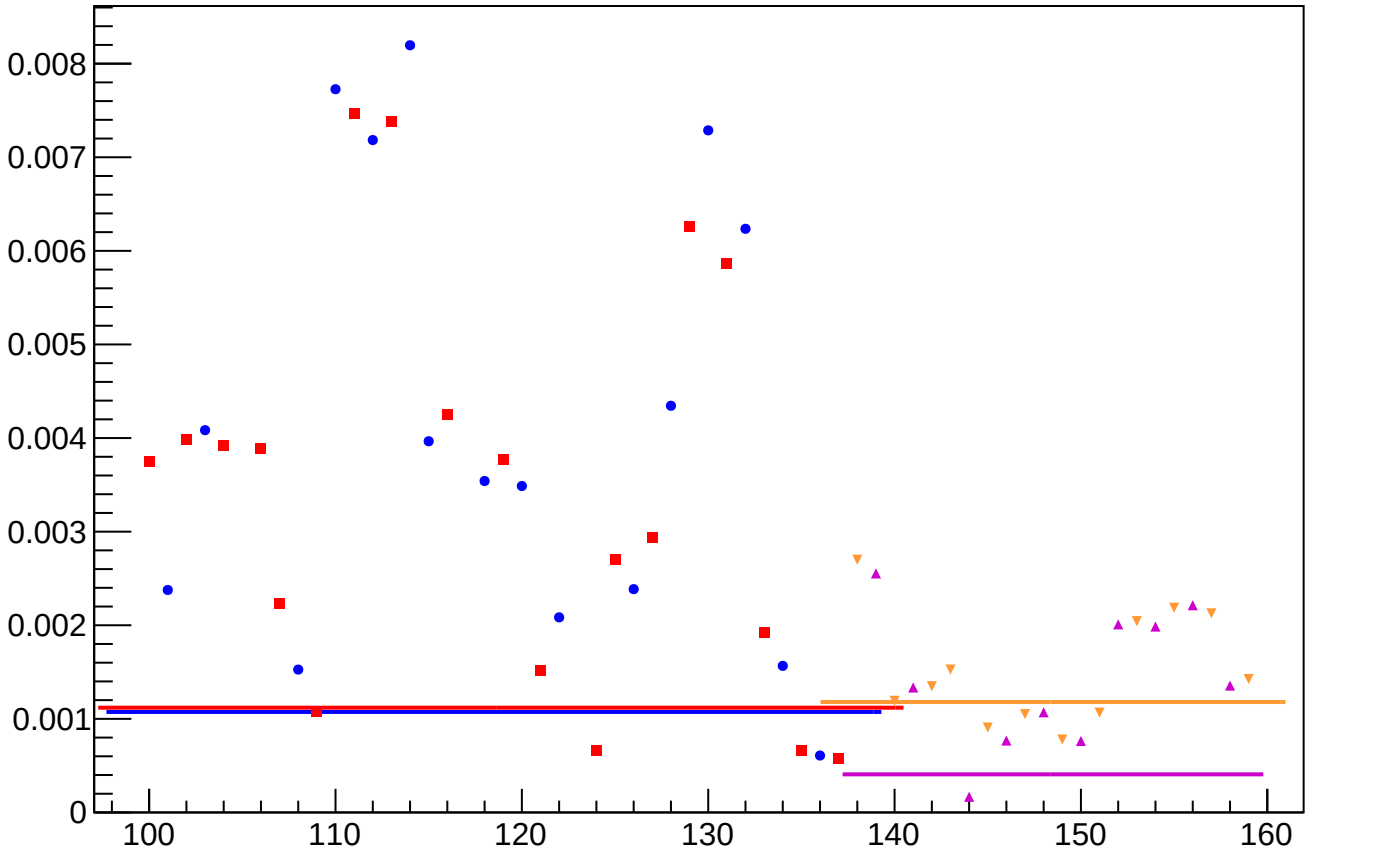
Left: 0.000+/-0.000 χ^2/NDF: 44.4/21

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.5/25

Out: -0.000+/-0.000 χ^2/NDF:54.6/30

All: 0.000+/-0.000 χ^2/NDF: 78.2/56



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2219270.6/11

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9335424.4/9

Left: 0.001+/-0.000 χ^2/NDF: 17003954.2/21

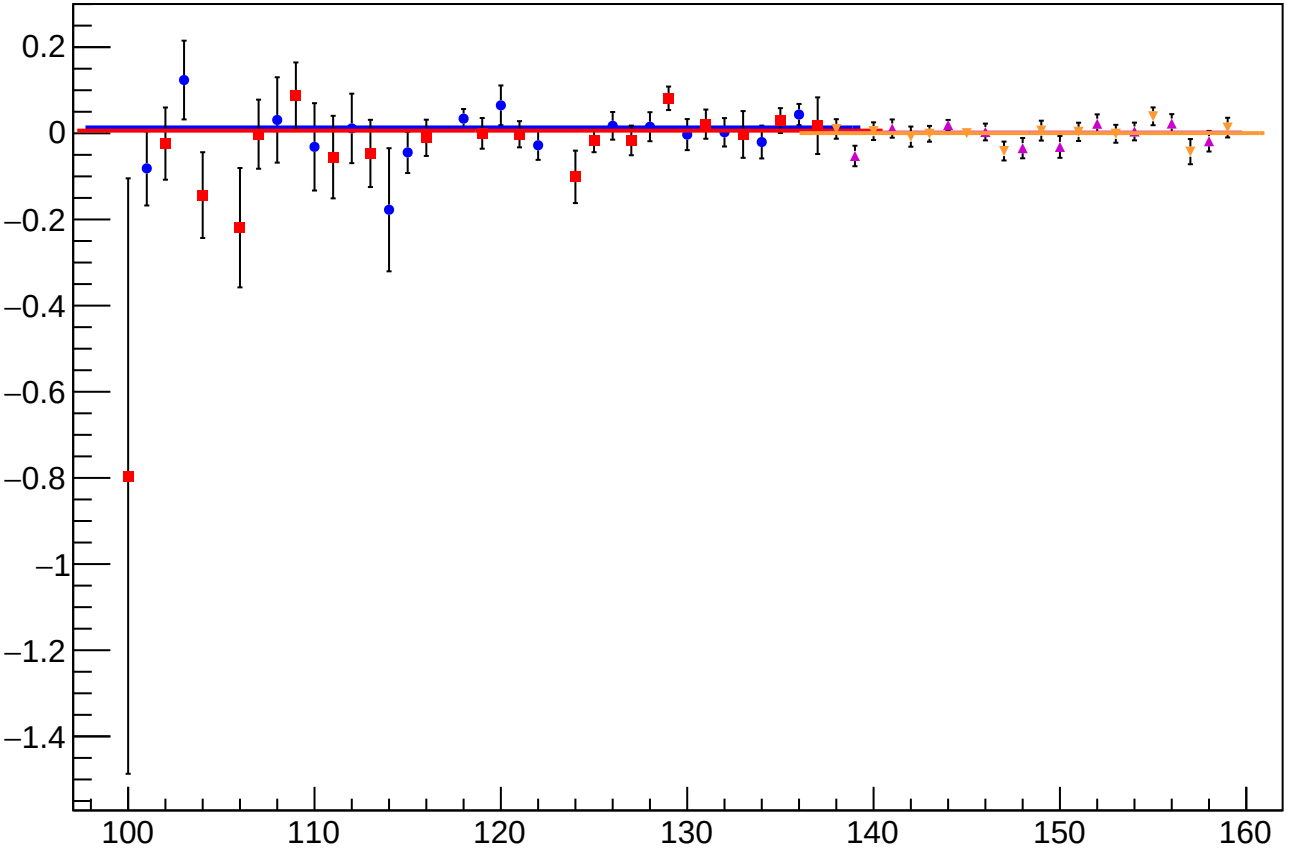
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:18830182.7/25

Out: 0.001+/-0.000 χ^2/NDF:9030463.5/30

All: 0.001+/-0.000 χ^2/NDF: 33604100.5/56

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.006 χ^2/NDF:10.1/11

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.4/21

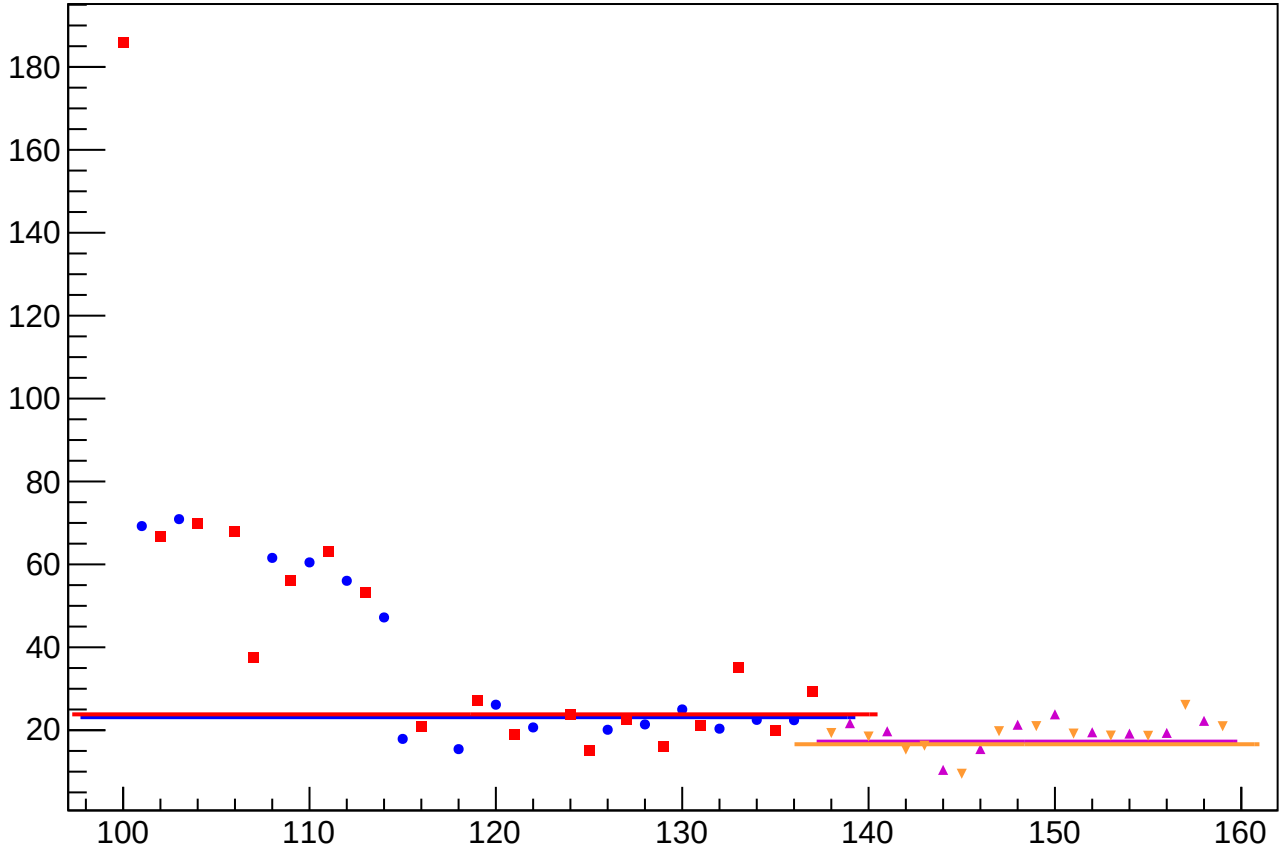
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.003+/-0.004 χ^2/NDF: 59.6/56

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: 16.614+/-0.004 χ^2/NDF:1309846.7/11

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

Left: 16.899+/-0.003 χ^2/NDF: 2444580.7/21

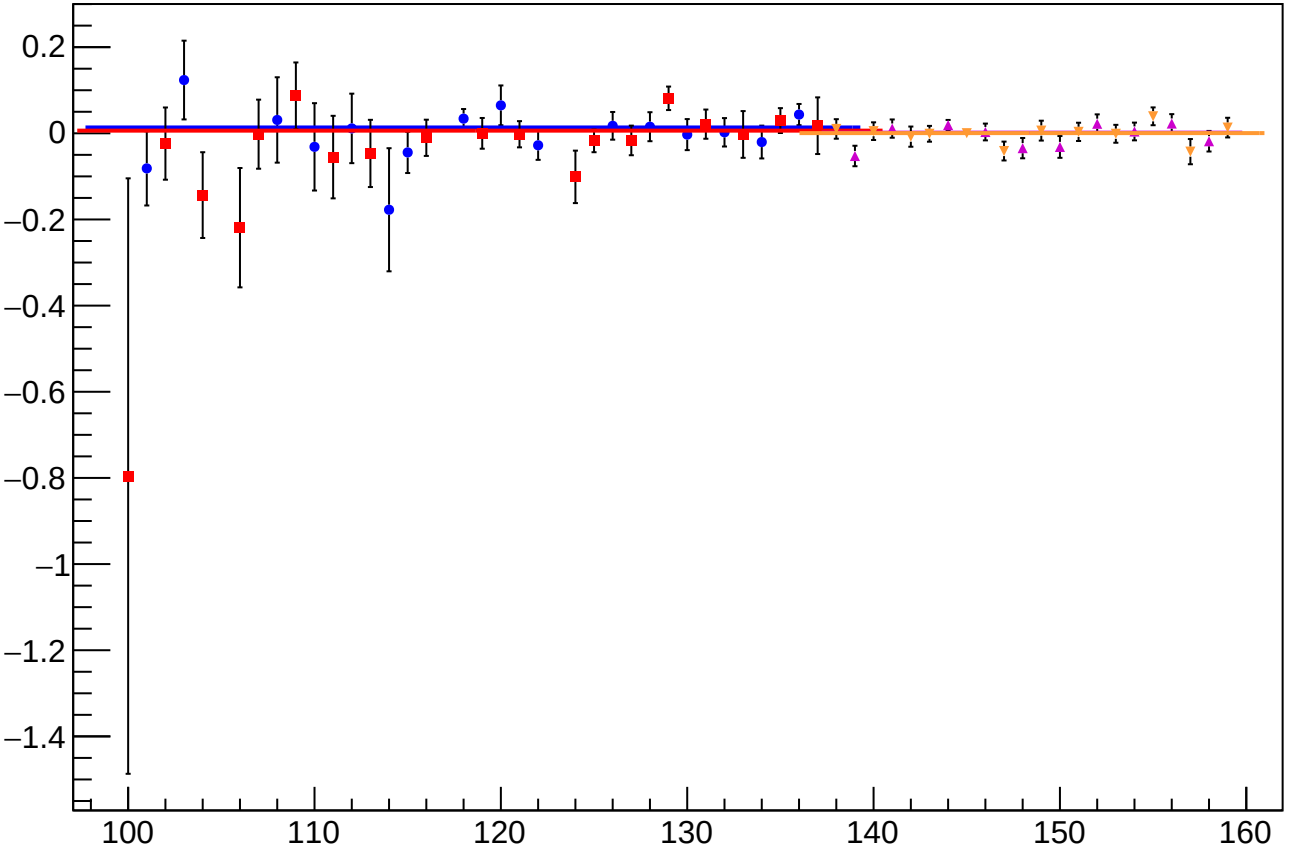
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.943+/-0.004 χ^2/NDF:4041316.3/25

Out: 18.360+/-0.004 χ^2/NDF:4986201.9/30

All: 18.633+/-0.003 χ^2/NDF: 9040494.2/56

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: 0.000+/-0.006 χ^2/NDF:10.1/11

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.4/21

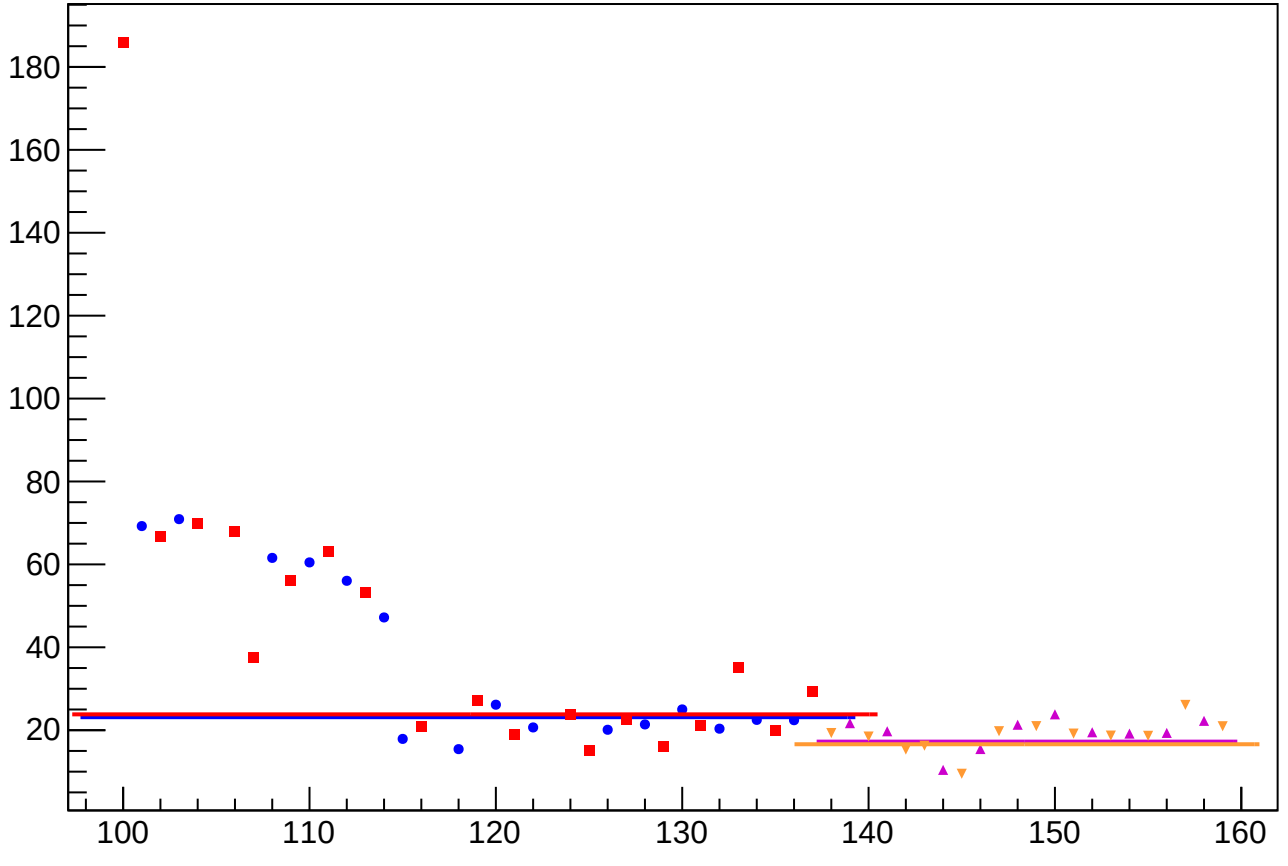
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.003+/-0.004 χ^2/NDF: 59.6/56

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: 16.614+/-0.004 χ^2/NDF:1309846.7/11

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

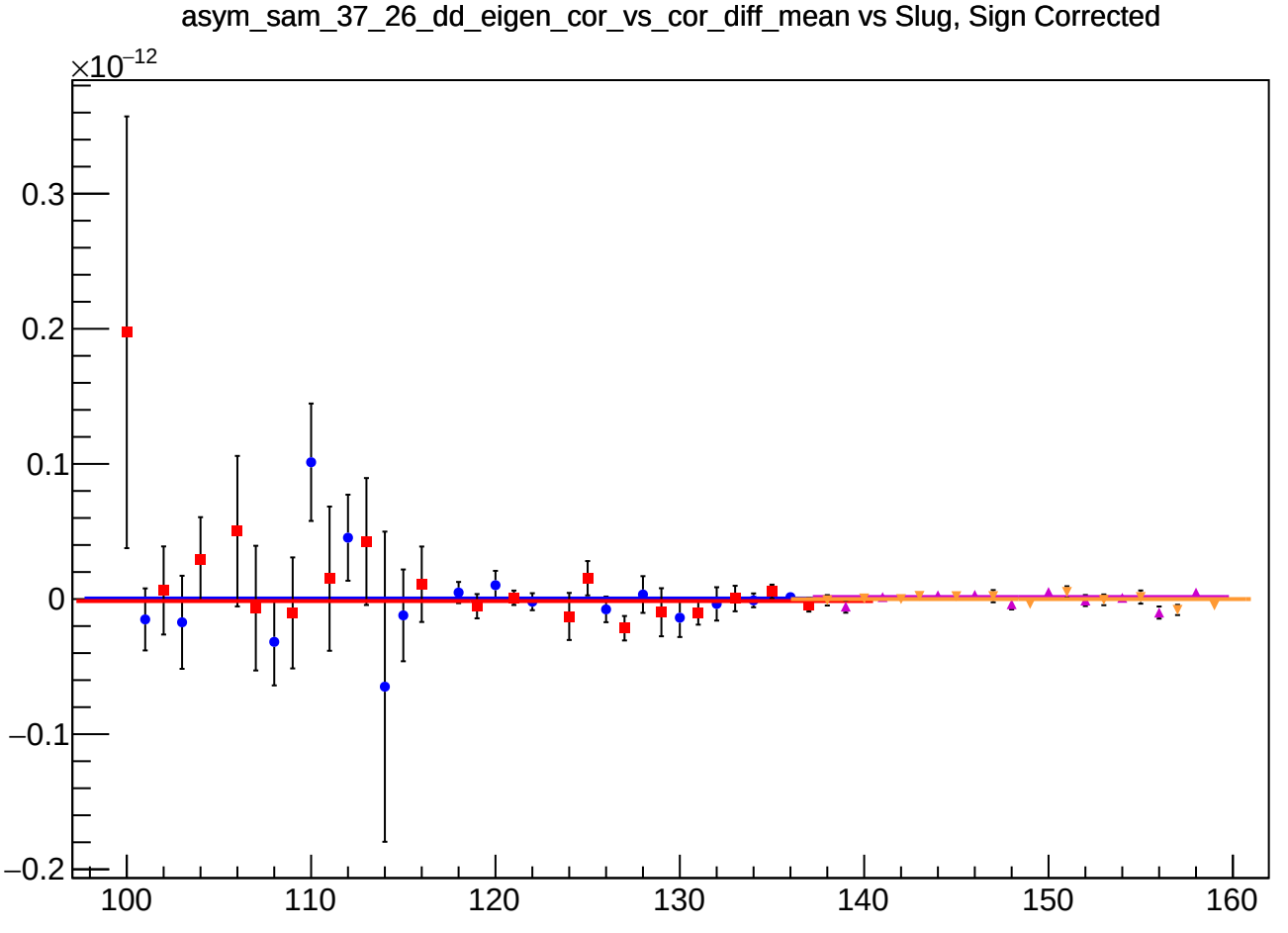
Left: 16.899+/-0.003 χ^2/NDF: 2444580.7/21

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.943+/-0.004 χ^2/NDF:4041316.3/25

Out: 18.360+/-0.004 χ^2/NDF:4986201.9/30

All: 18.633+/-0.003 χ^2/NDF: 9040494.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/9

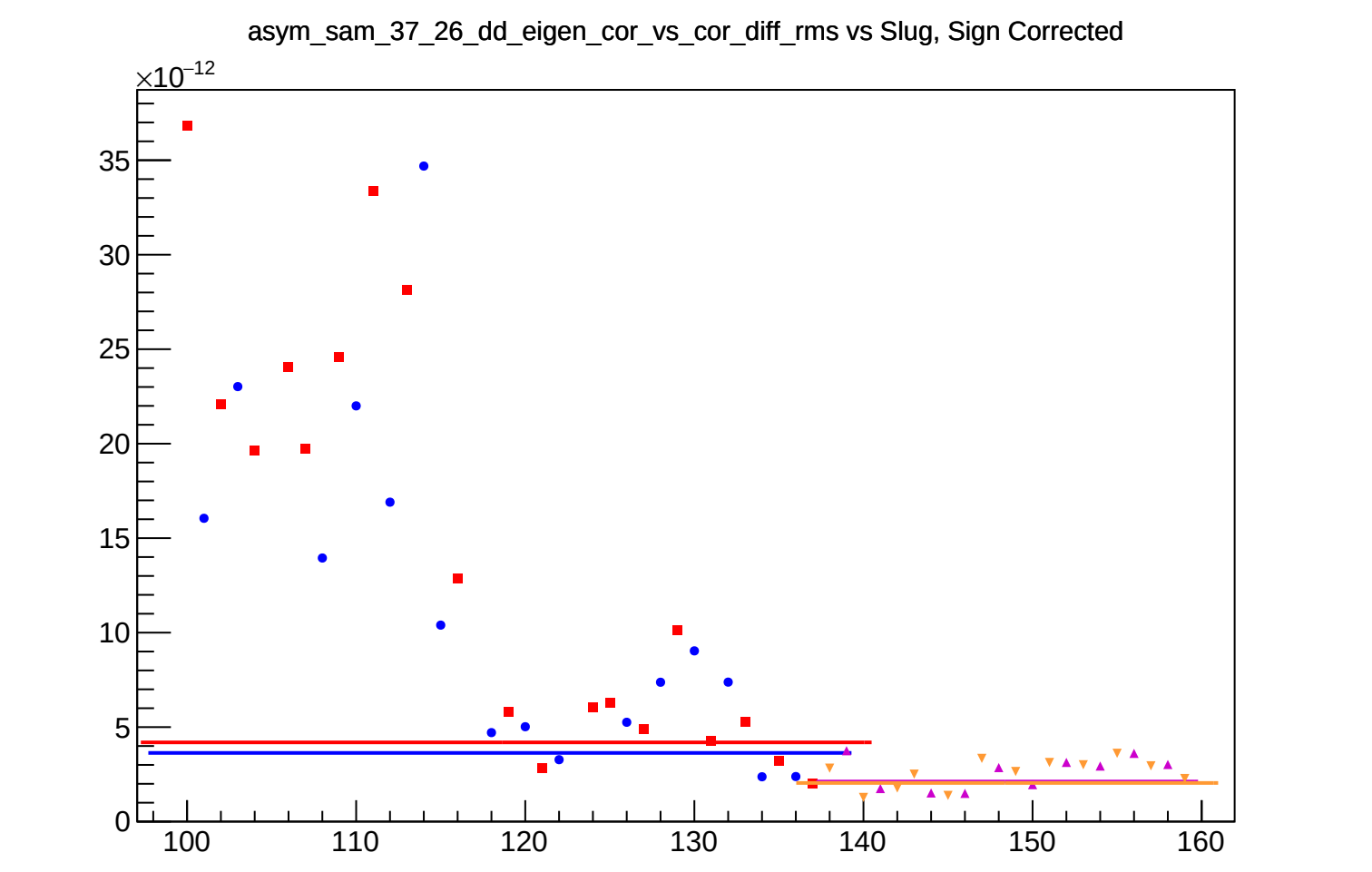
Left: 0.000+/-0.000 χ^2/NDF: 28.4/21

Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:28.1/25

Out: -0.000+/-0.000 χ^2/NDF:27.9/30

All: 0.000+/-0.000 χ^2/NDF: 57.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1623602.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1328618.4/9

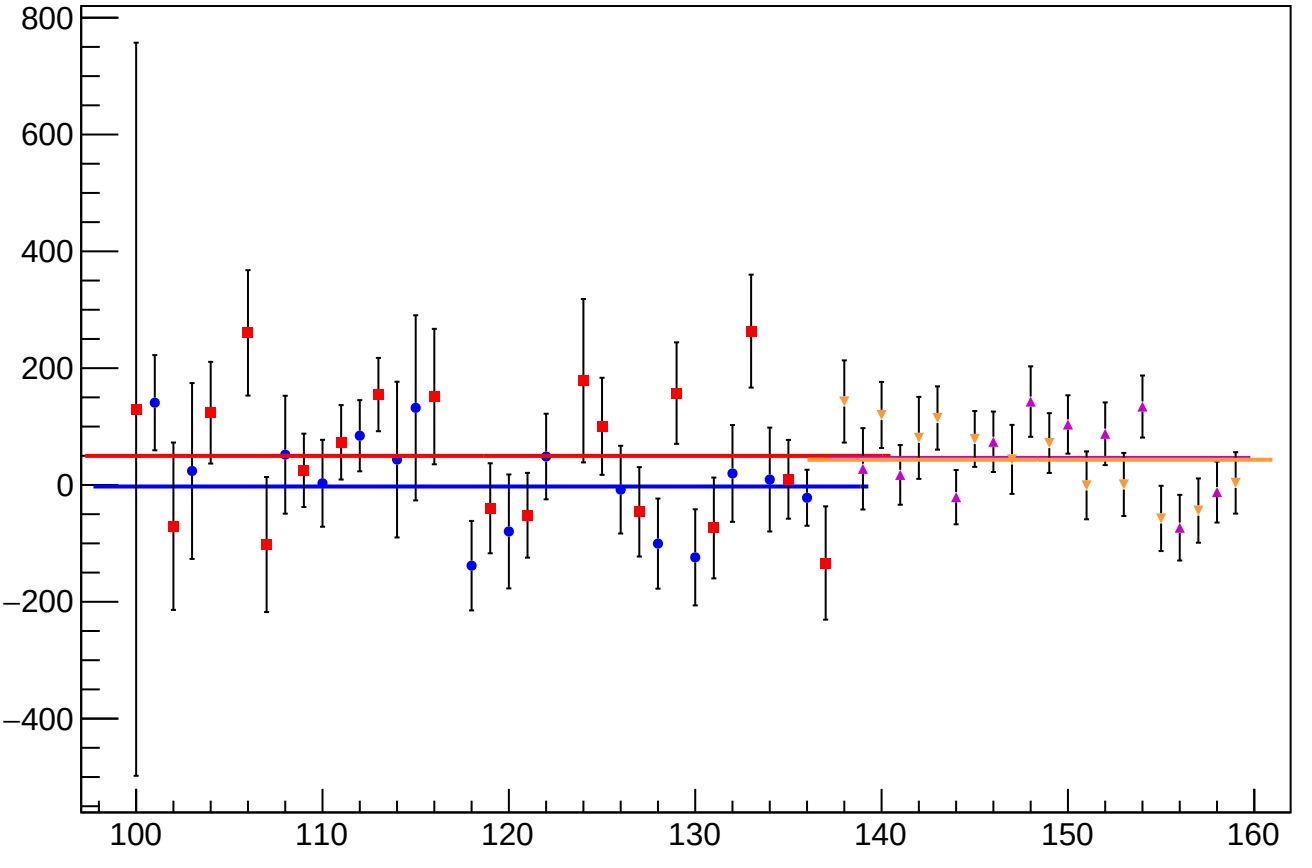
Left: 0.000+/-0.000 χ^2/NDF: 2959628.3/21

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:5823851.3/25

Out: 0.000+/-0.000 χ^2/NDF:7546328.9/30

All: 0.000+/-0.000 χ^2/NDF: 13379607.1/56



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 43.192+/-16.190 χ^2/NDF:14.2/11

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 46.289+/-16.936 χ^2/NDF:15.7/9

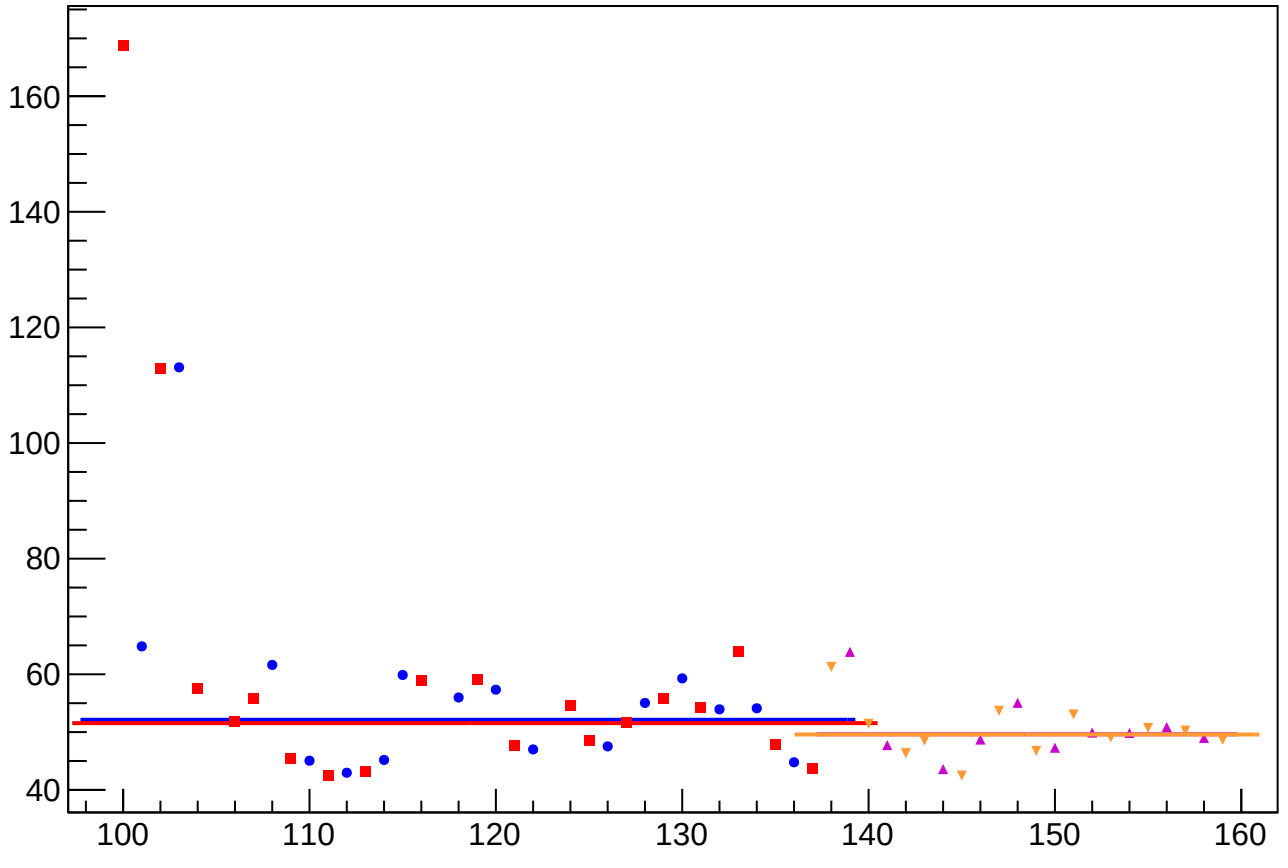
Left: 44.671+/-11.703 χ^2/NDF: 30.0/21

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 25.861+/-12.923 χ^2/NDF:33.8/25

Out: 45.872+/-12.488 χ^2/NDF:43.6/30

All: 36.209+/-8.980 χ^2/NDF: 78.7/56



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.585+/-0.011 χ^2/NDF:131354.3/11

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.9/9

Left: 49.604+/-0.008 χ^2/NDF: 274016.9/21

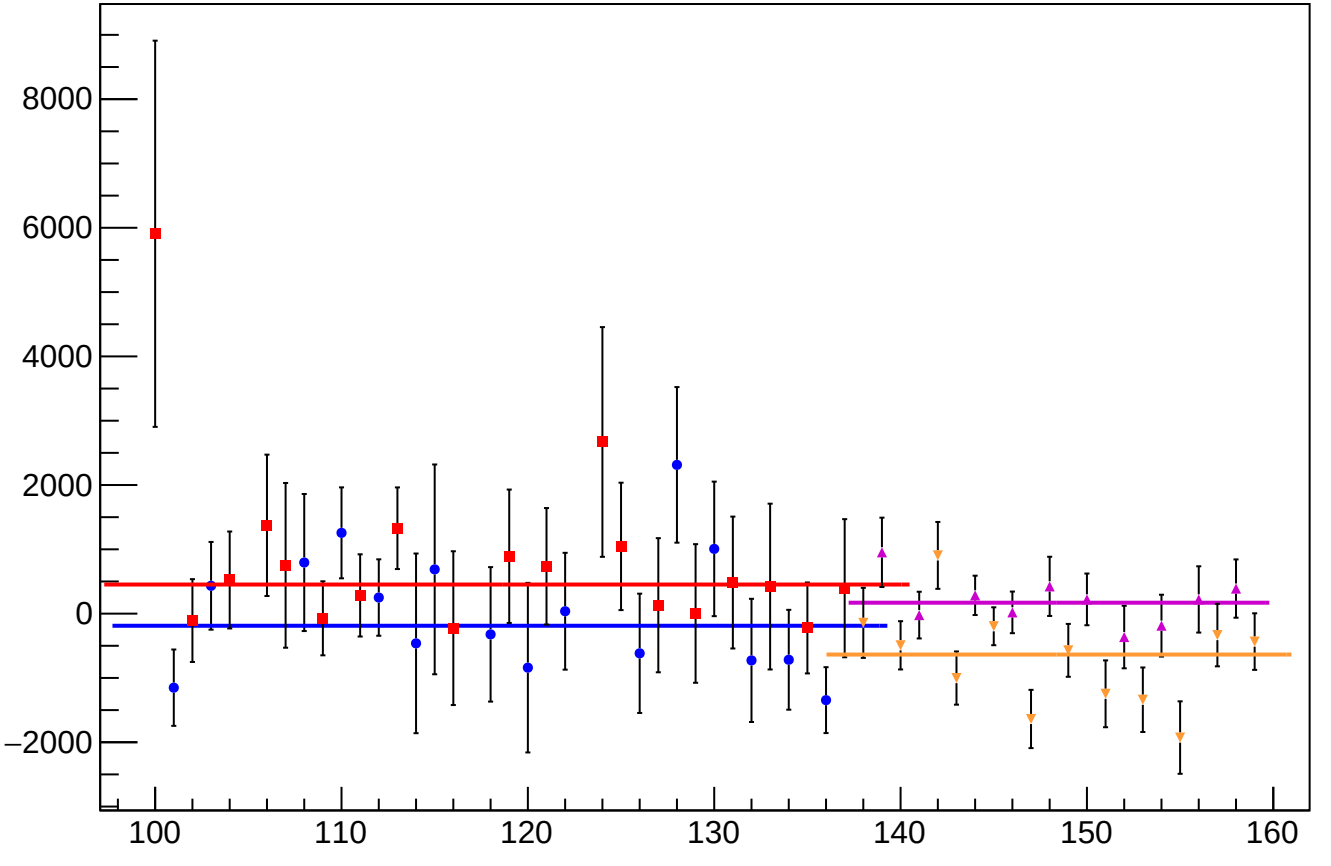
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.671+/-0.009 χ^2/NDF:723838.0/25

Out: 50.381+/-0.009 χ^2/NDF:782850.4/30

All: 50.521+/-0.006 χ^2/NDF: 1507207.7/56

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -636.018+/-126.455 χ^2/NDF:26.9/11

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 169.994+/-129.810 χ^2/NDF:5.1/9

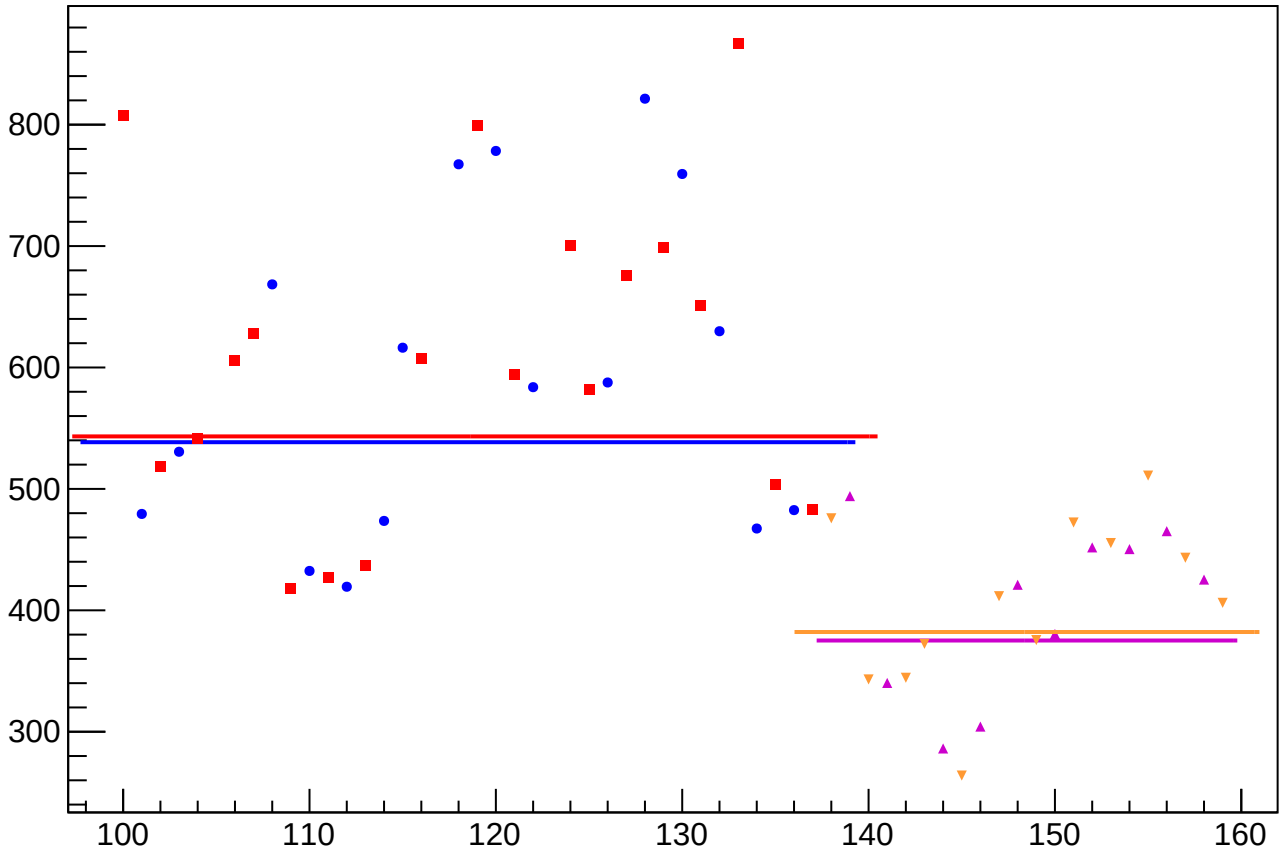
Left: -243.563+/-90.580 χ^2/NDF: 51.7/21

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 67.950+/-109.795 χ^2/NDF:28.6/25

Out: -333.675+/-107.468 χ^2/NDF:58.8/30

All: -137.163+/-76.801 χ^2/NDF: 94.2/56



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 382.145+/-0.089 χ^2/NDF:668086.6/11

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 375.136+/-0.092 χ^2/NDF:585449.4/9

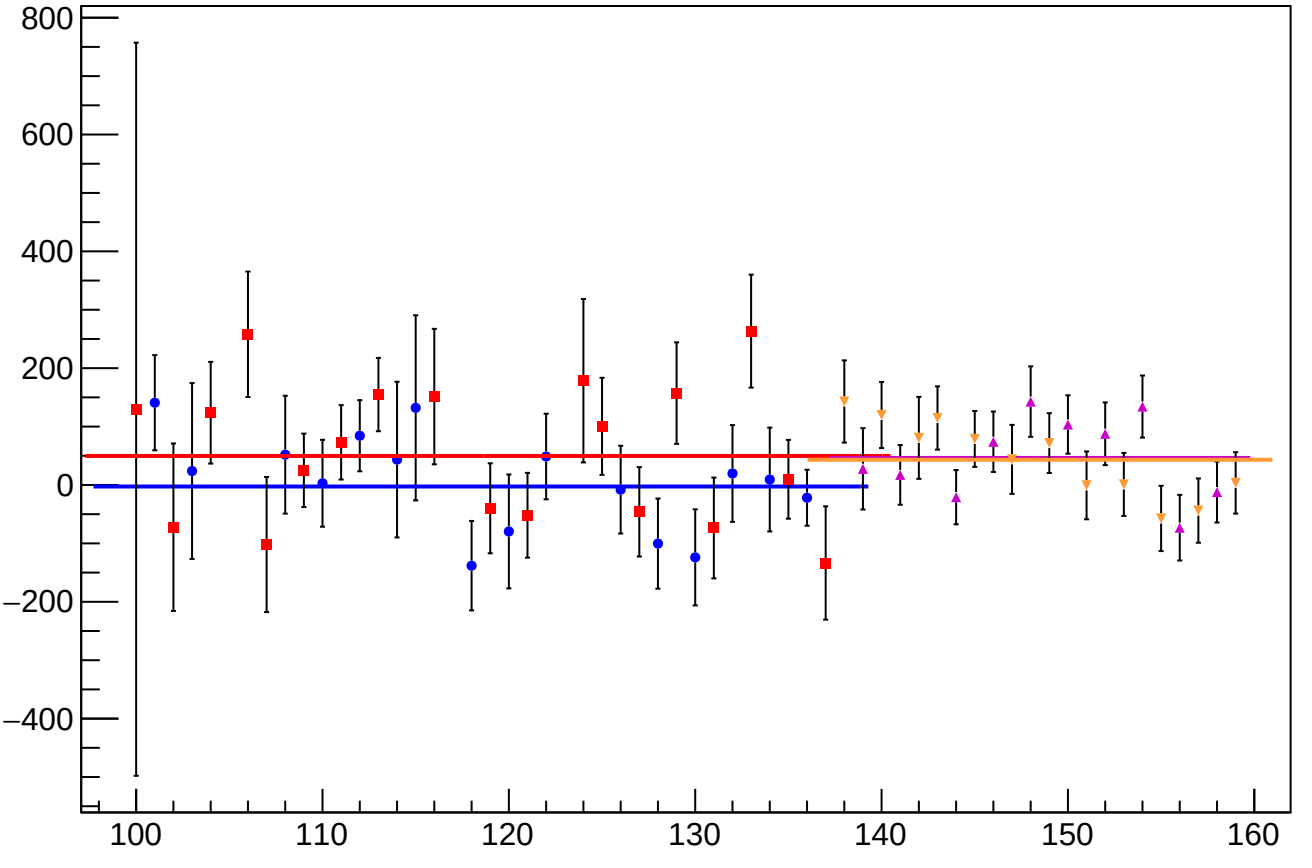
Left: 378.732+/-0.064 χ^2/NDF: 1256527.4/21

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 421.620+/-0.078 χ^2/NDF:2100566.8/25

Out: 426.889+/-0.076 χ^2/NDF:2206738.3/30

All: 424.311+/-0.054 χ^2/NDF: 4309657.6/56



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 43.192+/-16.190 χ^2/NDF:14.2/11

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 46.291+/-16.936 χ^2/NDF:15.7/9

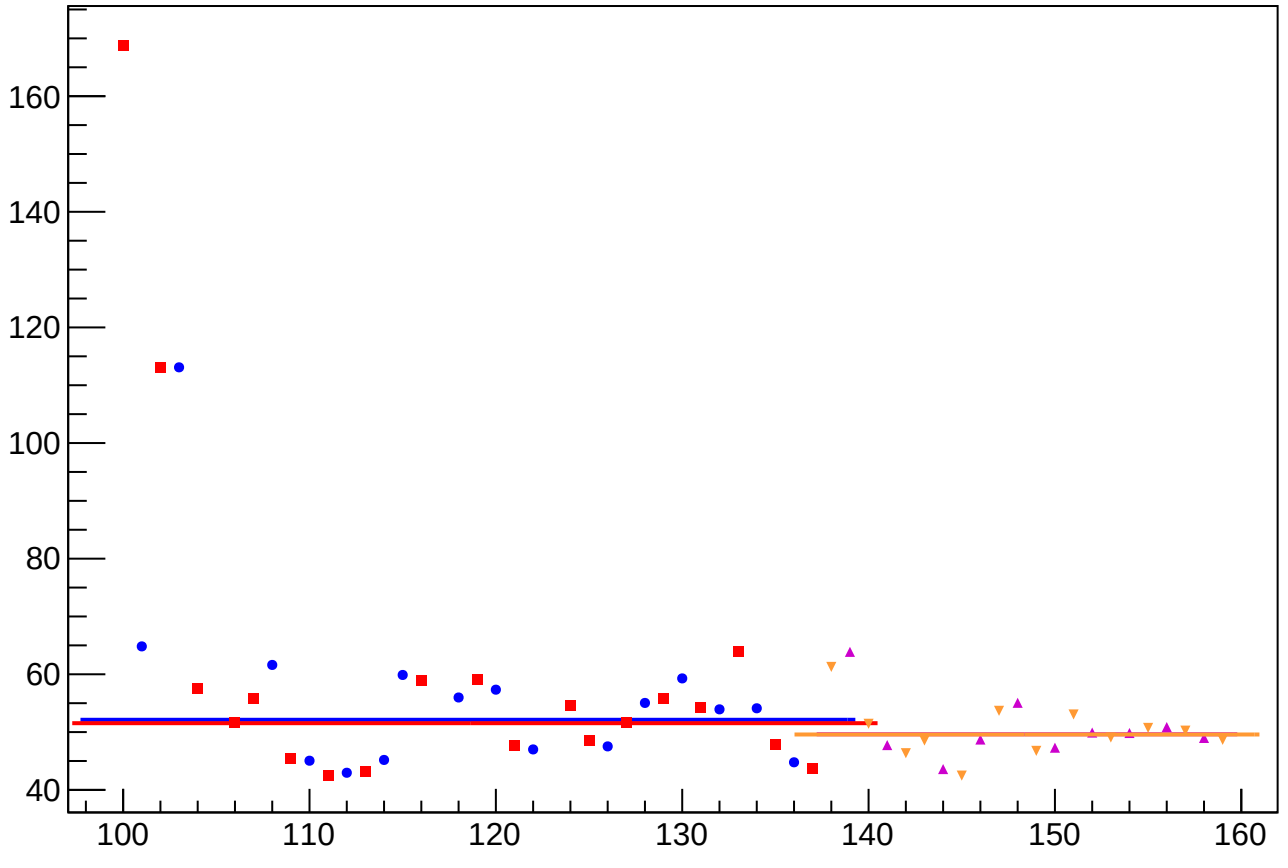
Left: 44.672+/-11.703 χ^2/NDF: 30.0/21

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 25.860+/-12.923 χ^2/NDF:33.8/25

Out: 45.826+/-12.488 χ^2/NDF:43.6/30

All: 36.184+/-8.980 χ^2/NDF: 78.6/56



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.585+/-0.011 χ^2/NDF:131354.3/11

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

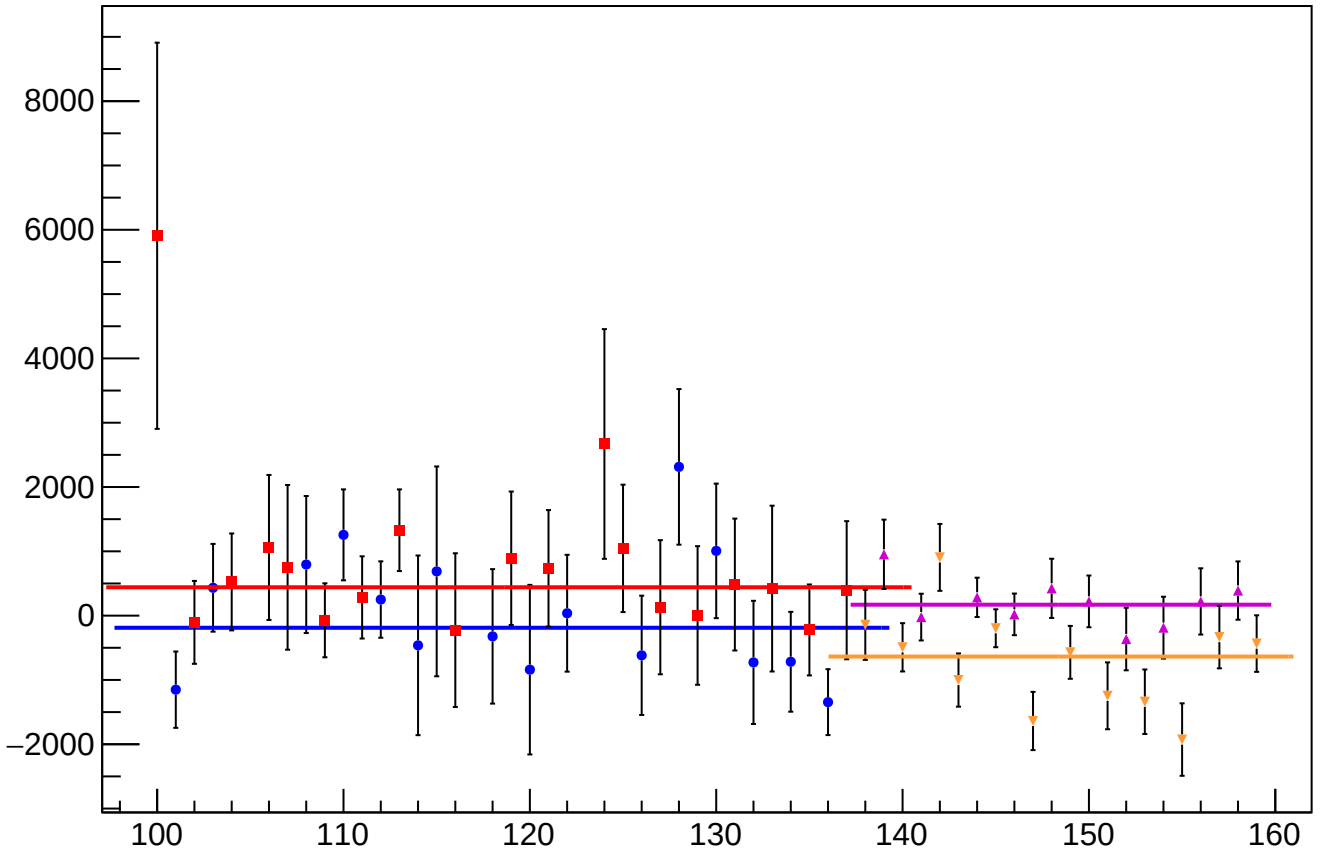
Left: 49.604+/-0.008 χ^2/NDF: 274016.9/21

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.671+/-0.009 χ^2/NDF:723840.3/25

Out: 50.377+/-0.009 χ^2/NDF:782945.0/30

All: 50.519+/-0.006 χ^2/NDF: 1507319.7/56



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -636.016+/-126.455 χ^2/NDF:26.9/11

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 169.997+/-129.810 χ^2/NDF:5.1/9

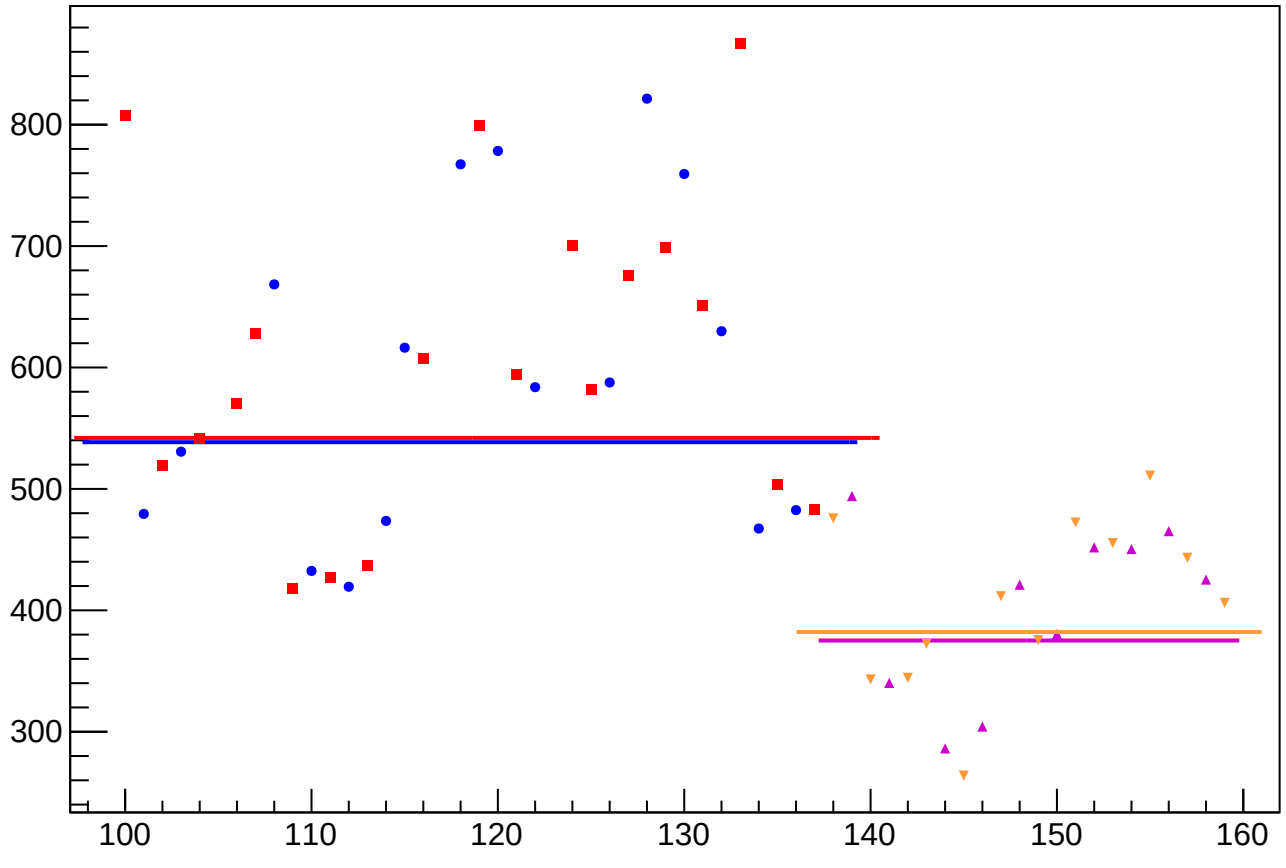
Left: -243.560+/-90.580 χ^2/NDF: 51.7/21

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 67.960+/-109.795 χ^2/NDF:28.6/25

Out: -337.240+/-107.496 χ^2/NDF:57.9/30

All: -138.927+/-76.811 χ^2/NDF: 93.4/56



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 382.145+/-0.089 χ^2/NDF:668090.1/11

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

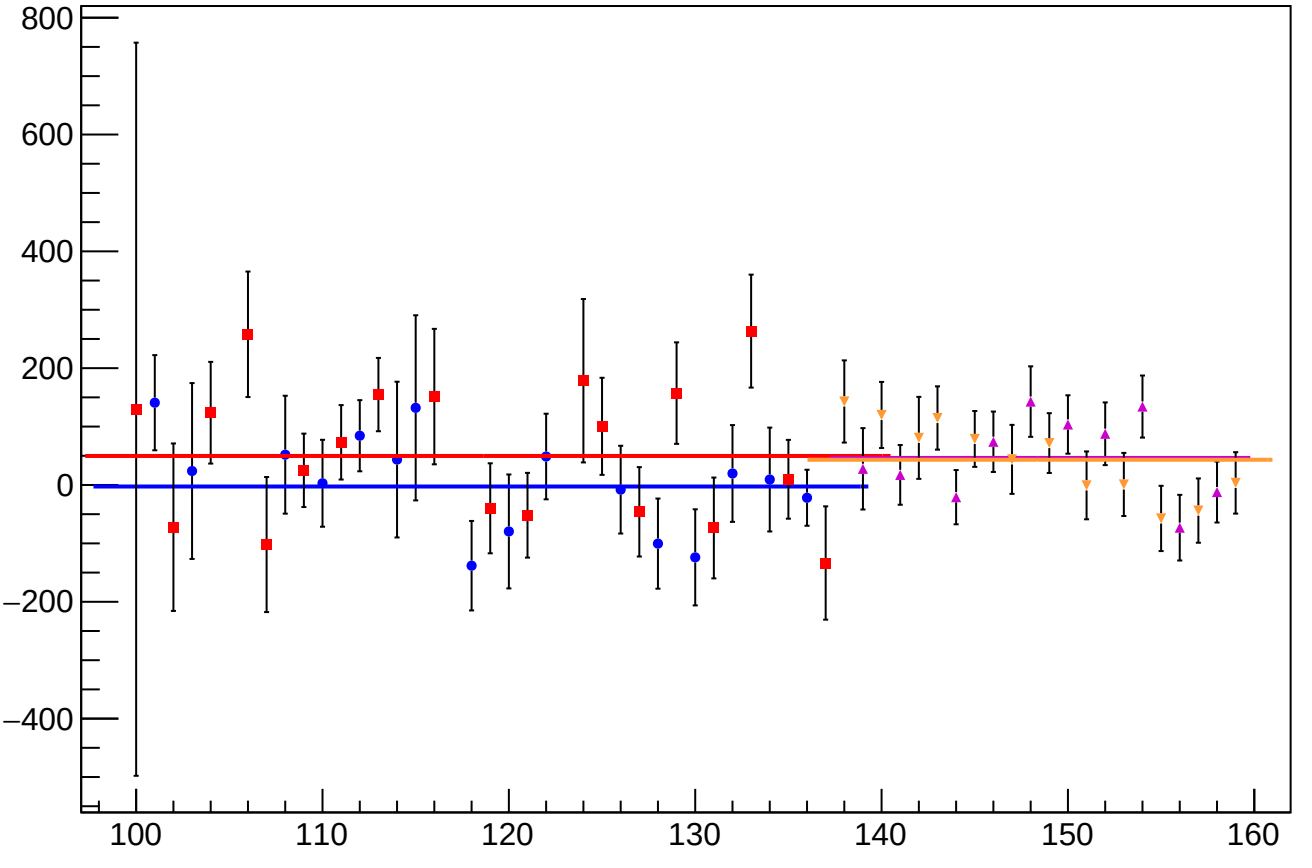
Left: 378.732+/-0.064 χ^2/NDF: 1256529.3/21

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 421.621+/-0.078 χ^2/NDF:2100607.4/25

Out: 426.490+/-0.076 χ^2/NDF:2186411.4/30

All: 424.107+/-0.054 χ^2/NDF: 4289027.6/56



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 43.192+/-16.190 χ^2/NDF:14.2/11

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 46.291+/-16.936 χ^2/NDF:15.7/9

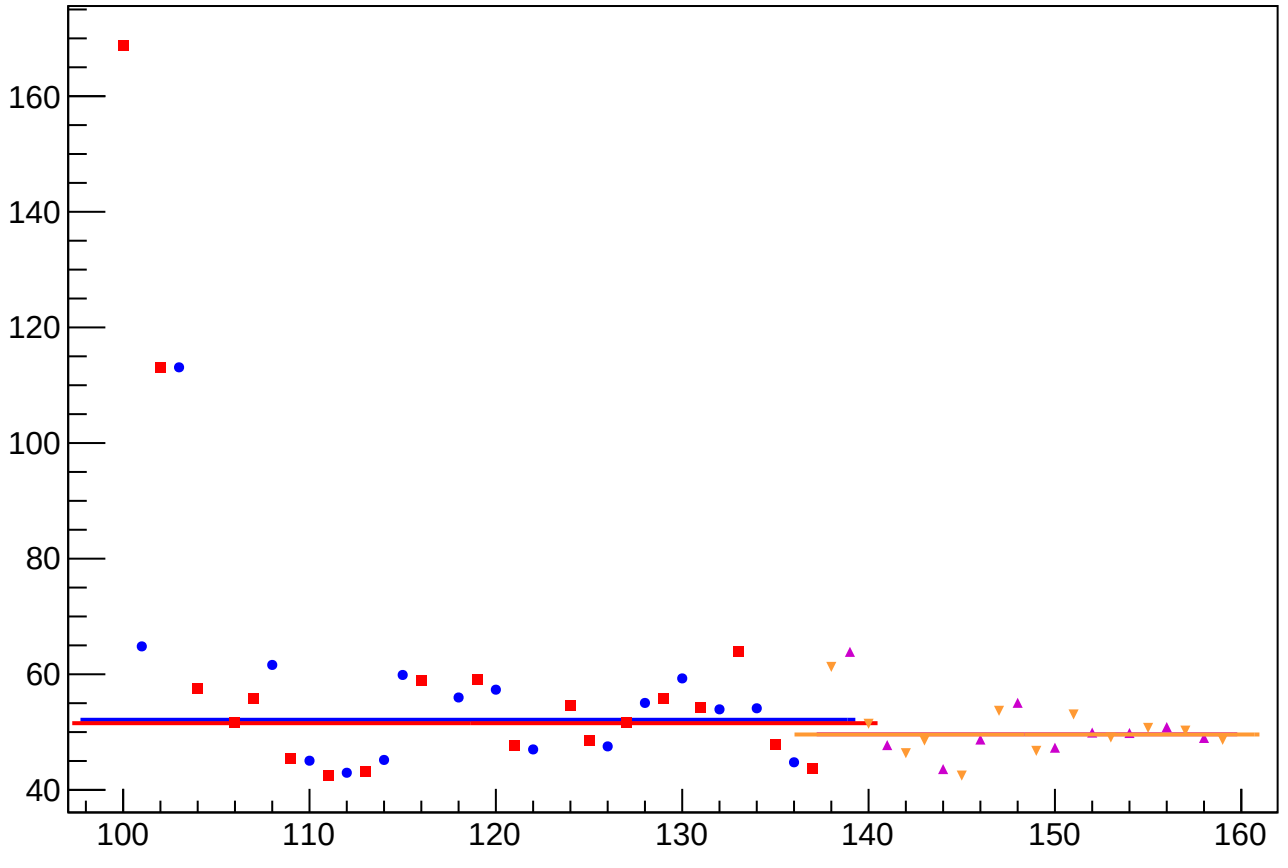
Left: 44.672+/-11.703 χ^2/NDF: 30.0/21

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 25.860+/-12.923 χ^2/NDF:33.8/25

Out: 45.826+/-12.488 χ^2/NDF:43.6/30

All: 36.184+/-8.980 χ^2/NDF: 78.6/56



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.585+/-0.011 χ^2/NDF:131354.3/11

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

Left: 49.604+/-0.008 χ^2/NDF: 274016.9/21

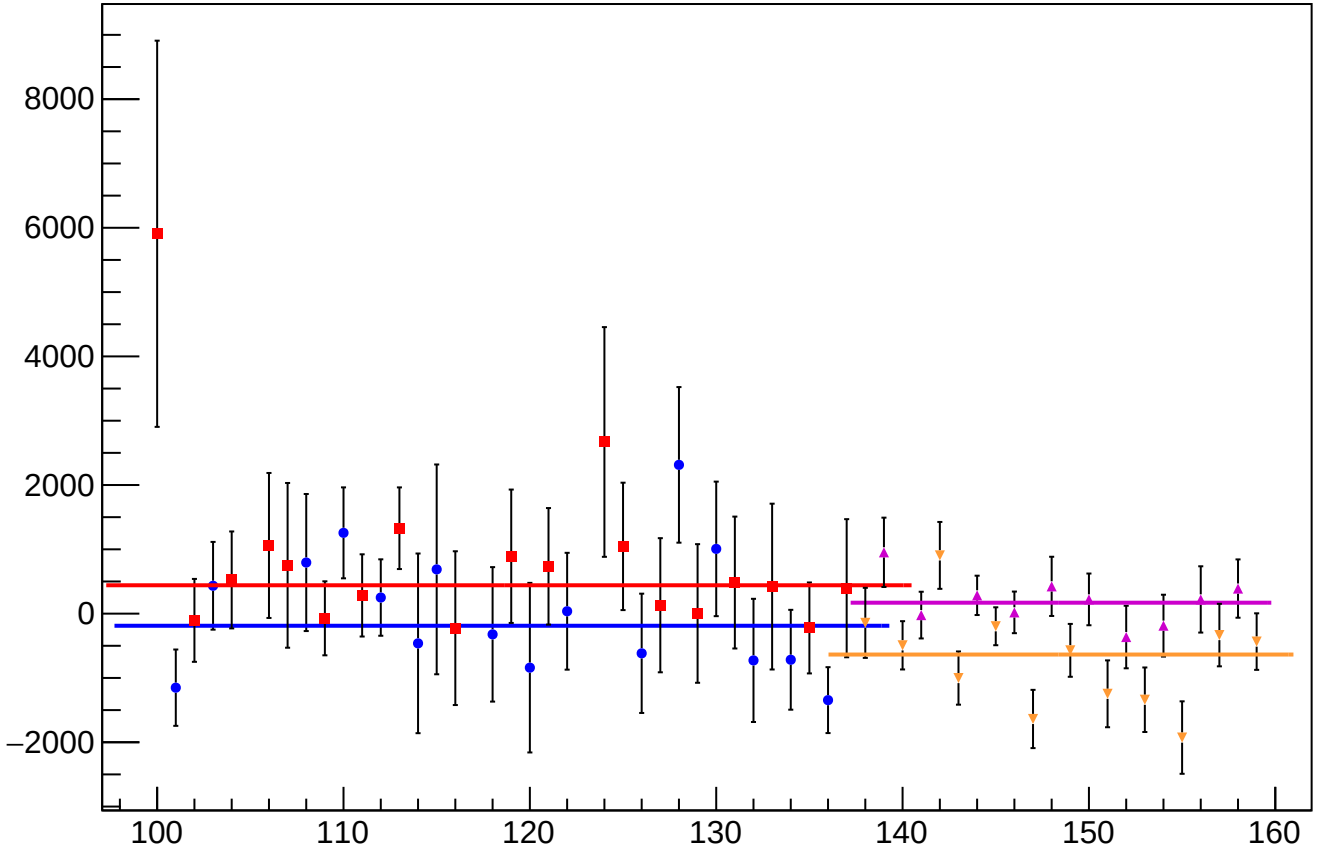
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.671+/-0.009 χ^2/NDF:723840.3/25

Out: 50.377+/-0.009 χ^2/NDF:782945.0/30

All: 50.519+/-0.006 χ^2/NDF: 1507319.7/56

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -636.016+/-126.455 χ^2/NDF:26.9/11

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 169.997+/-129.810 χ^2/NDF:5.1/9

Left: -243.560+/-90.580 χ^2/NDF: 51.7/21

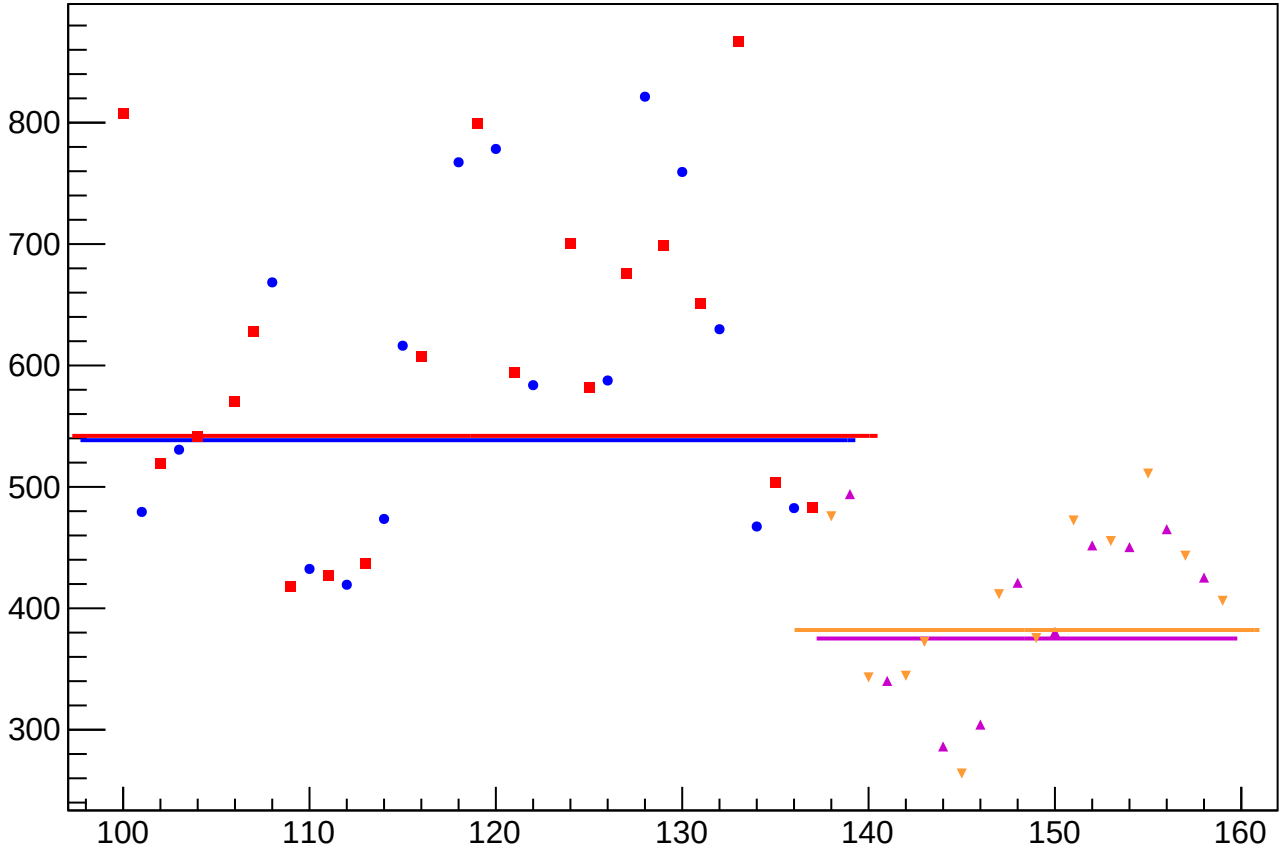
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 67.960+/-109.795 χ^2/NDF:28.6/25

Out: -337.240+/-107.496 χ^2/NDF:57.9/30

All: -138.927+/-76.811 χ^2/NDF: 93.4/56

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: 382.145+/-0.089 χ^2/NDF:668090.1/11

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

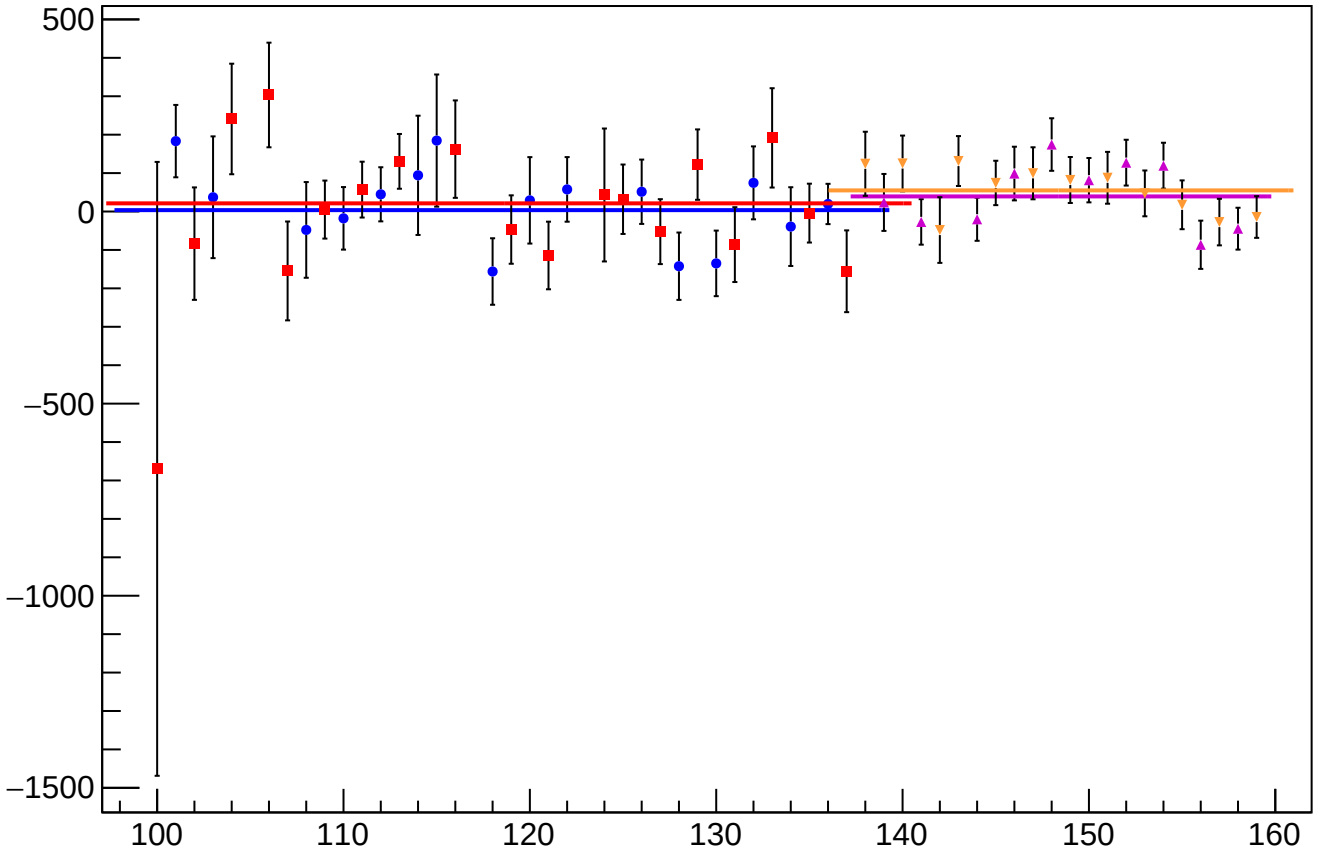
Left: 378.732+/-0.064 χ^2/NDF: 1256529.3/21

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 421.621+/-0.078 χ^2/NDF:2100607.4/25

Out: 426.490+/-0.076 χ^2/NDF:2186411.4/30

All: 424.107+/-0.054 χ^2/NDF: 4289027.6/56



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 54.986+/-18.678 χ^2/NDF:9.3/11

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.306+/-19.403 χ^2/NDF:17.9/9

Left: 47.445+/-13.456 χ^2/NDF: 27.6/21

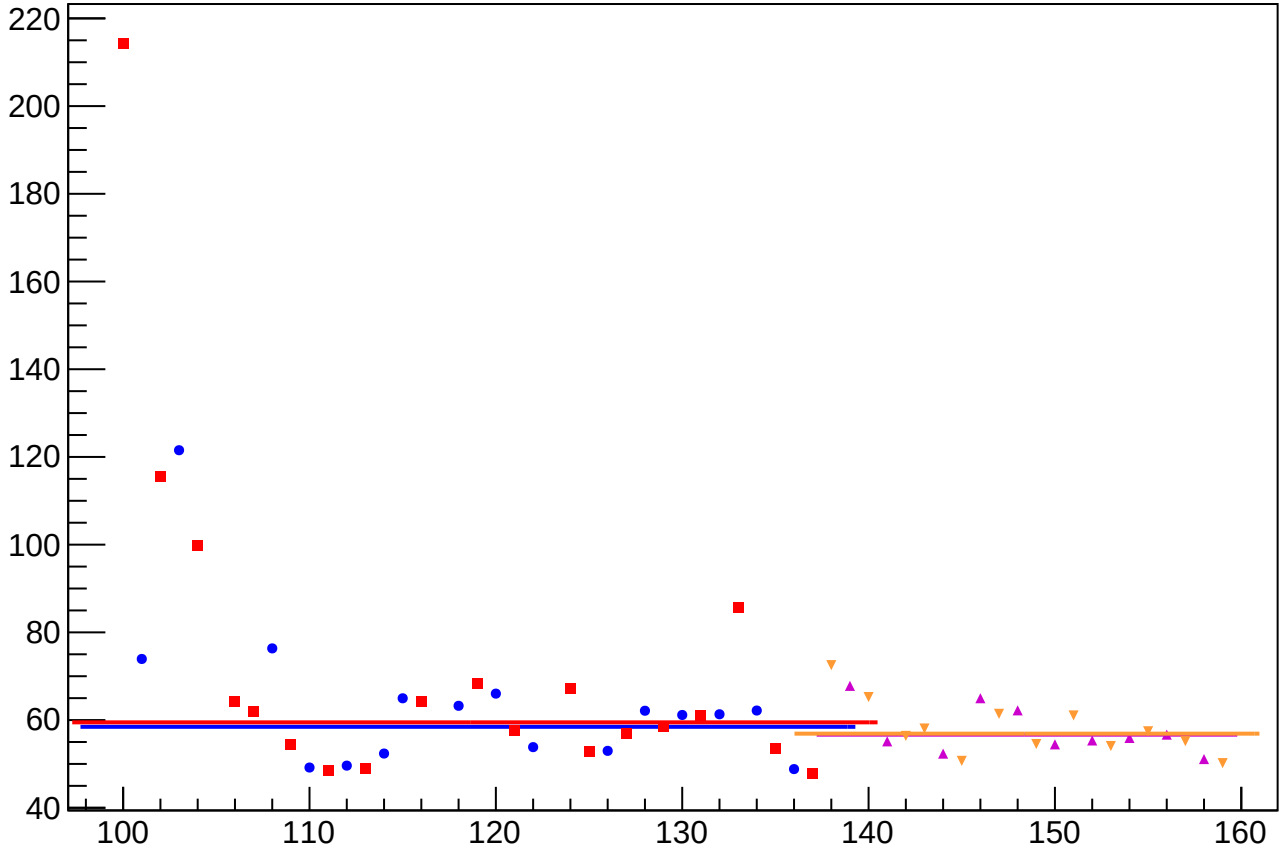
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 24.061+/-14.689 χ^2/NDF:35.5/25

Out: 41.417+/-14.440 χ^2/NDF:35.0/30

All: 32.887+/-10.298 χ^2/NDF: 71.3/56

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.903+/-0.013 χ^2/NDF:176988.8/11

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.672+/-0.014 χ^2/NDF:124859.7/9

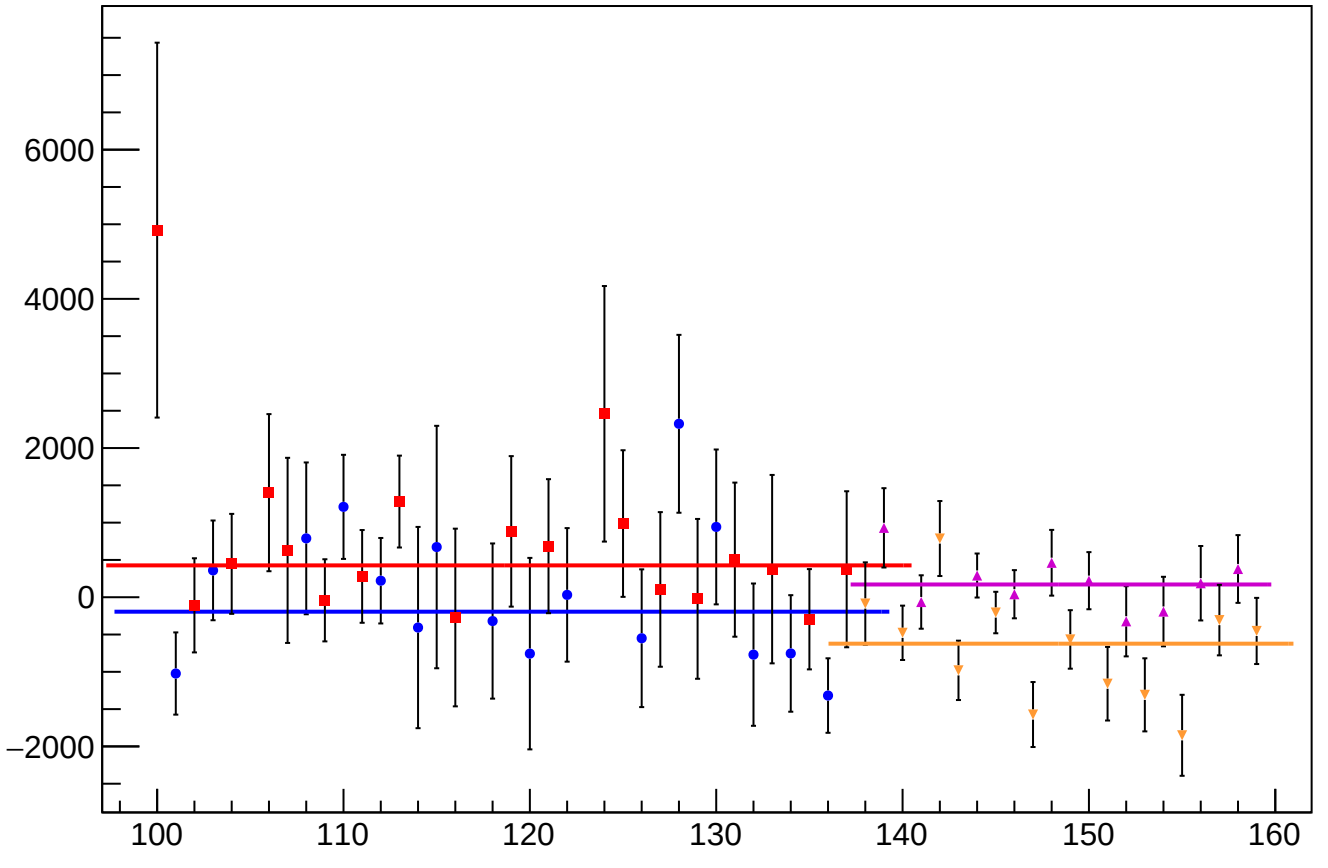
Left: 56.792+/-0.010 χ^2/NDF: 301995.9/21

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.438+/-0.010 χ^2/NDF:715136.8/25

Out: 57.941+/-0.010 χ^2/NDF:977226.9/30

All: 57.694+/-0.007 χ^2/NDF: 1693559.4/56



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -622.698+/-122.153 χ^2/NDF:25.7/11

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 170.982+/-126.639 χ^2/NDF:5.2/9

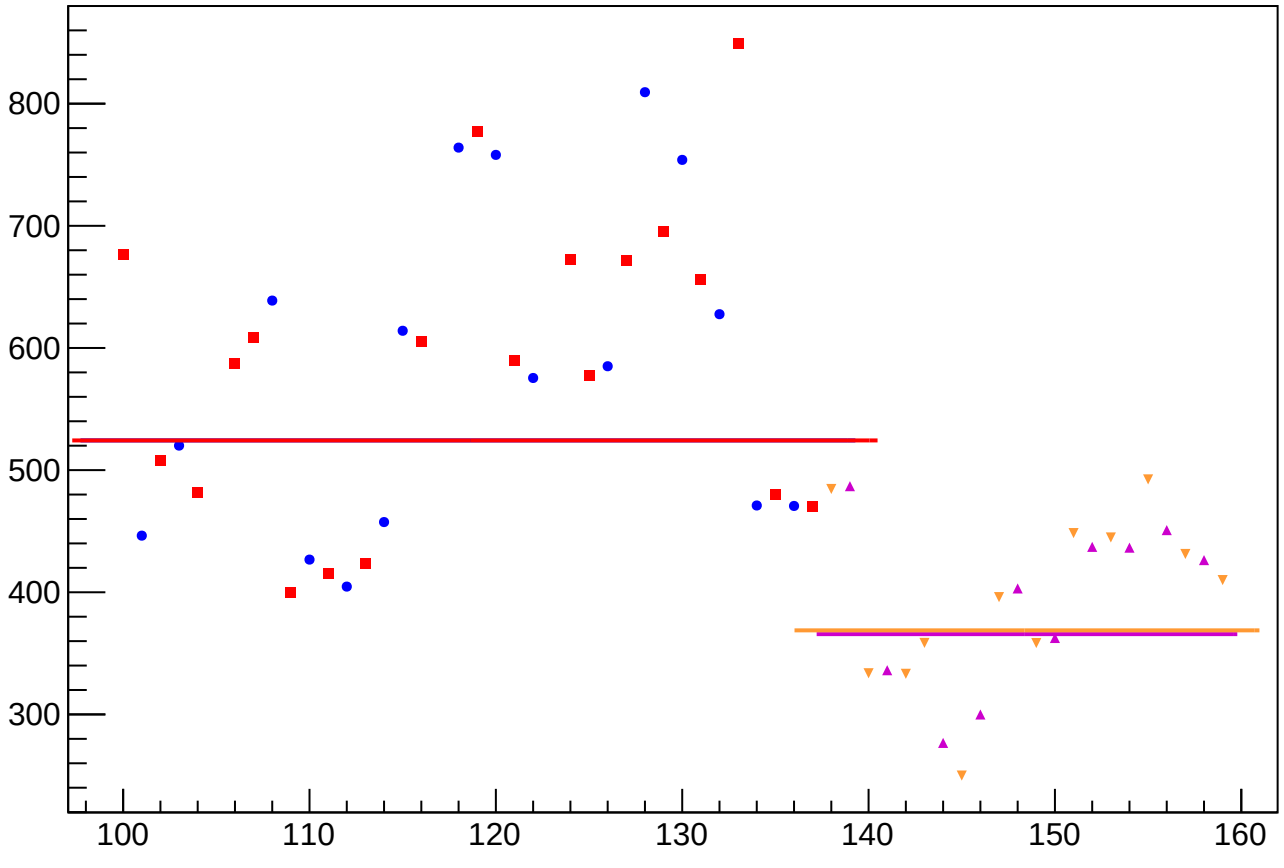
Left: -240.166+/-87.918 χ^2/NDF: 51.2/21

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 67.004+/-107.086 χ^2/NDF:28.3/25

Out: -331.206+/-103.816 χ^2/NDF:57.5/30

All: -138.274+/-74.538 χ^2/NDF: 92.9/56



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 368.820+/-0.086 χ^2/NDF:748688.9/11

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 365.740+/-0.090 χ^2/NDF:583172.7/9

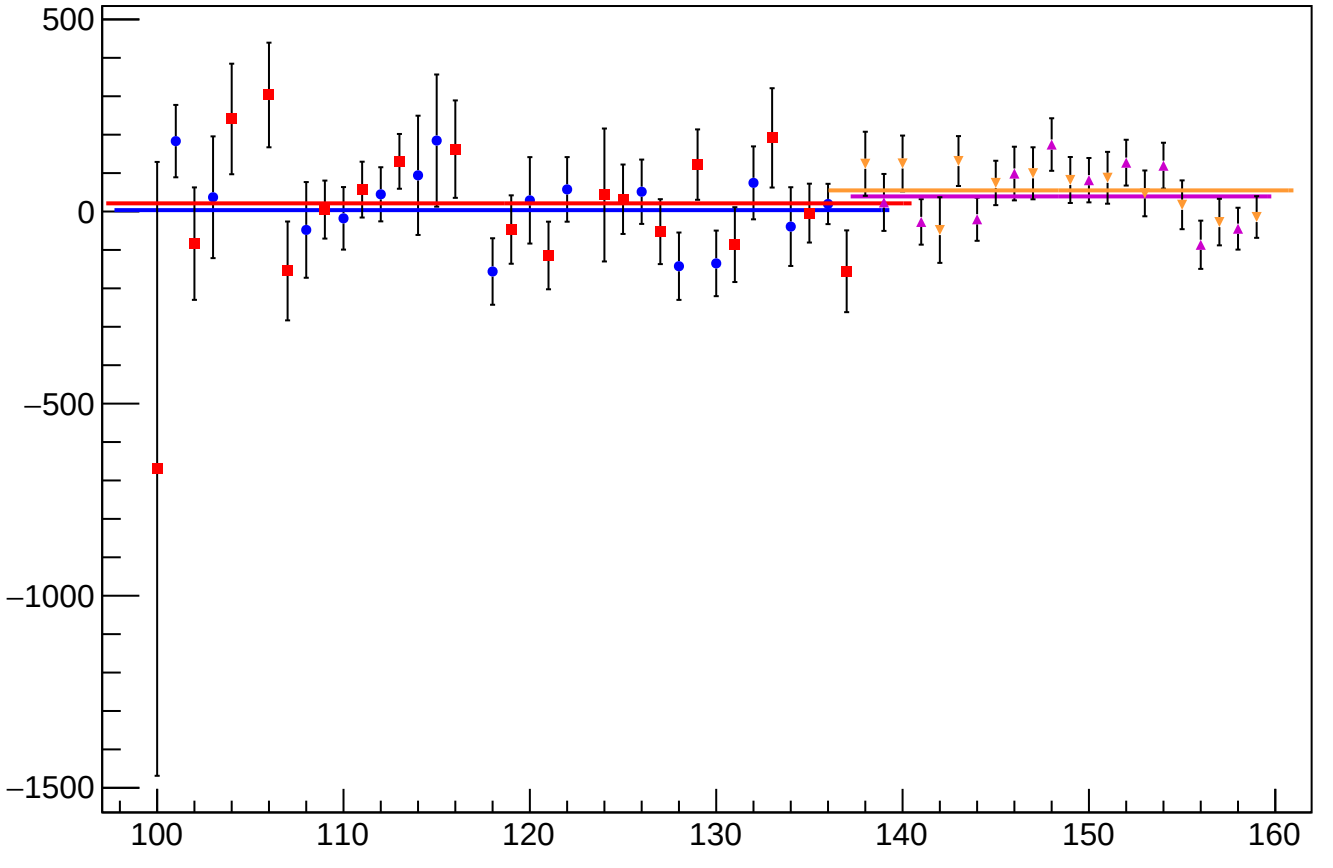
Left: 367.336+/-0.062 χ^2/NDF: 1332474.4/21

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 410.931+/-0.076 χ^2/NDF:2135403.6/25

Out: 411.998+/-0.073 χ^2/NDF:2334620.9/30

All: 411.481+/-0.053 χ^2/NDF: 4470126.9/56



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 54.987+/-18.678 χ^2/NDF:9.3/11

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.306+/-19.404 χ^2/NDF:17.9/9

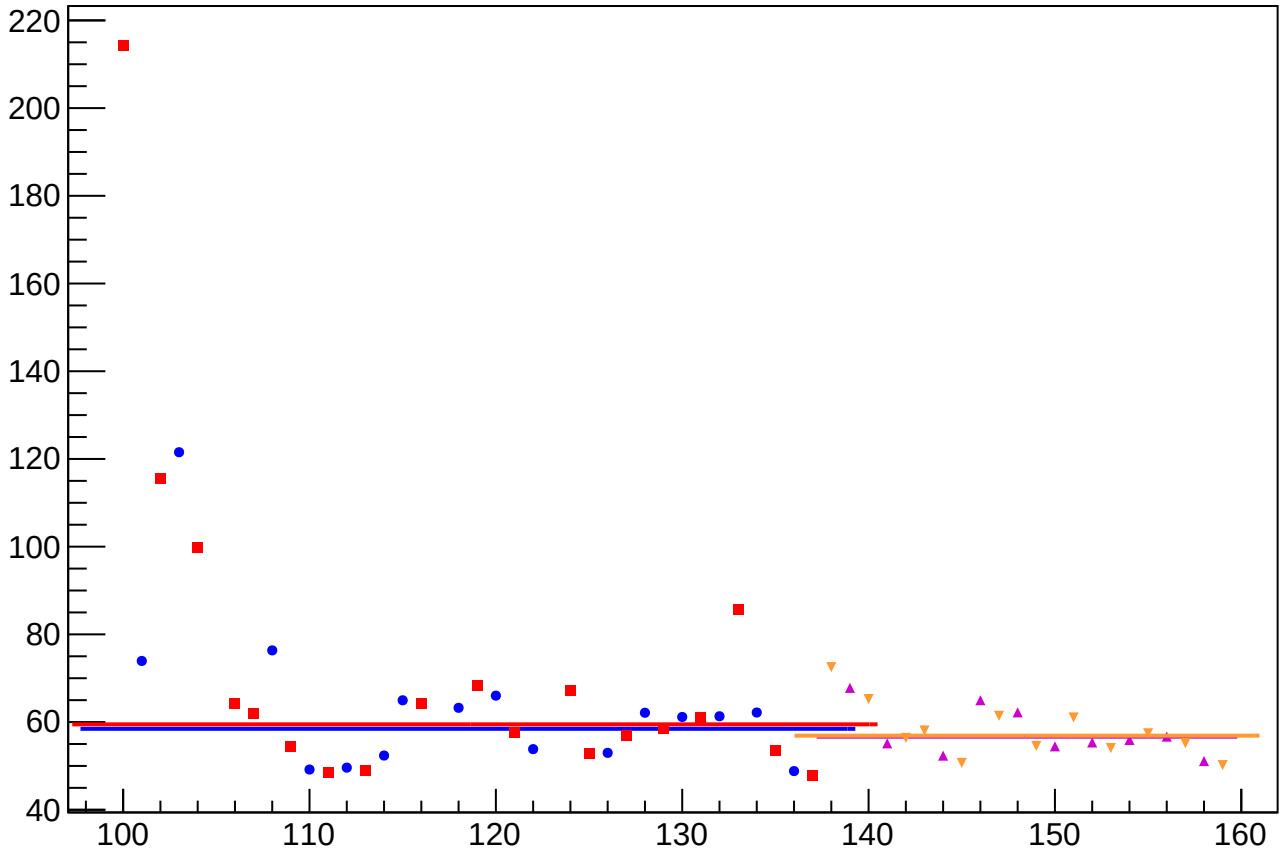
Left: 47.445+/-13.456 χ^2/NDF: 27.6/21

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 24.060+/-14.689 χ^2/NDF:35.5/25

Out: 41.417+/-14.441 χ^2/NDF:35.0/30

All: 32.887+/-10.298 χ^2/NDF: 71.3/56



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.904+/-0.013 χ^2/NDF:176992.6/11

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.672+/-0.014 χ^2/NDF:124860.1/9

Left: 56.792+/-0.010 χ^2/NDF: 302000.1/21

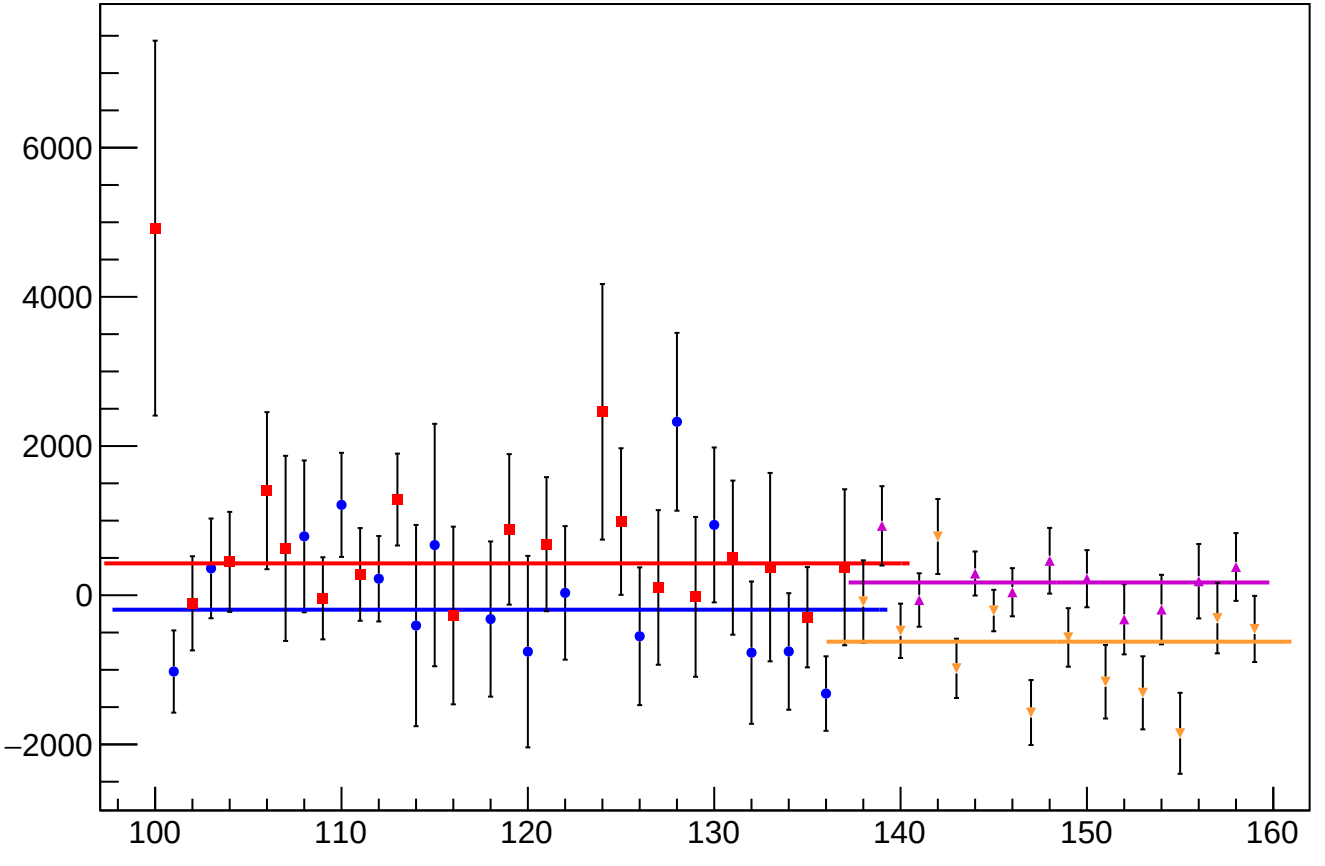
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.438+/-0.010 χ^2/NDF:715132.8/25

Out: 57.942+/-0.010 χ^2/NDF:977229.4/30

All: 57.694+/-0.007 χ^2/NDF: 1693558.2/56

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -622.698+/-122.153 χ^2/NDF:25.7/11

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 170.981+/-126.639 χ^2/NDF:5.2/9

Left: -240.166+/-87.918 χ^2/NDF: 51.2/21

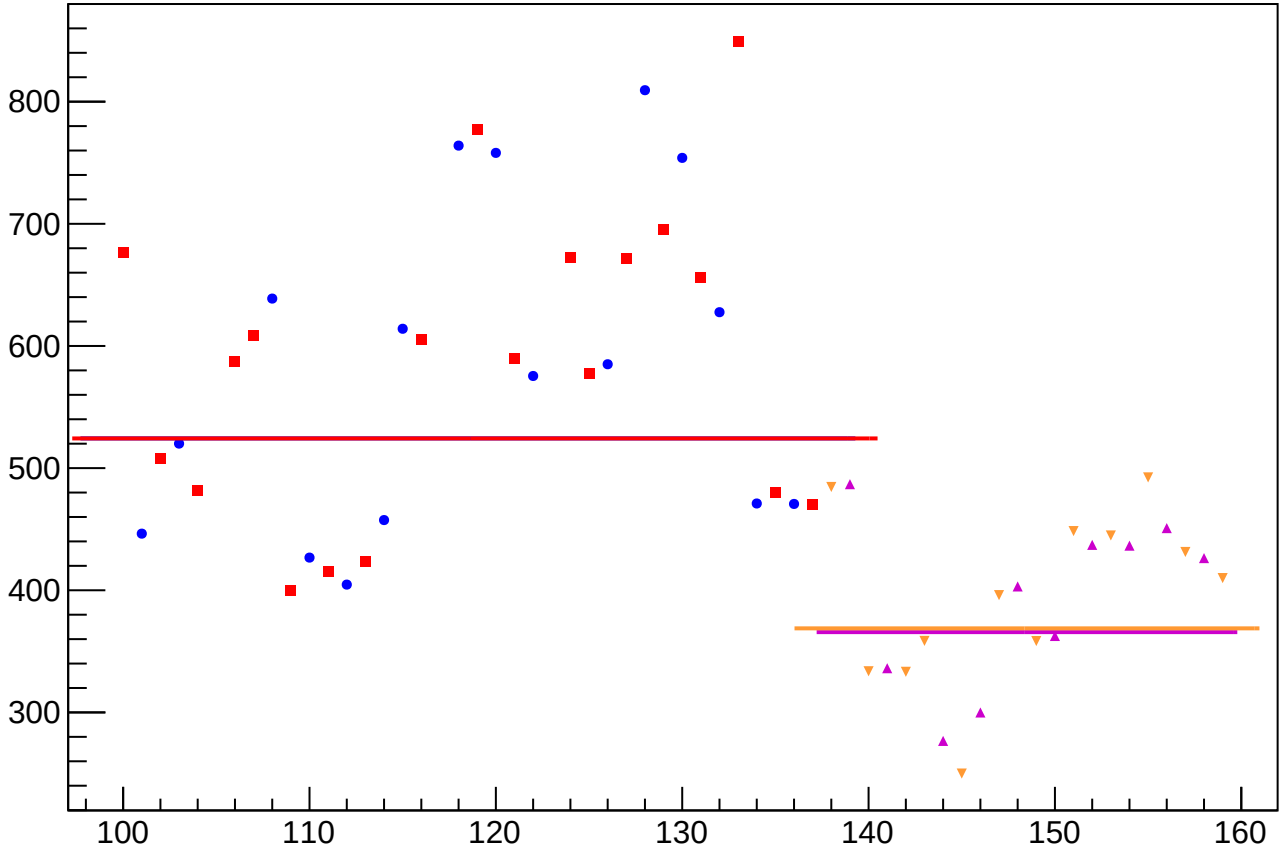
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 67.004+/-107.086 χ^2/NDF:28.3/25

Out: -331.206+/-103.816 χ^2/NDF:57.5/30

All: -138.274+/-74.538 χ^2/NDF: 92.9/56

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: 368.820+/-0.086 χ^2/NDF:748686.2/11

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 365.740+/-0.090 χ^2/NDF:583169.9/9

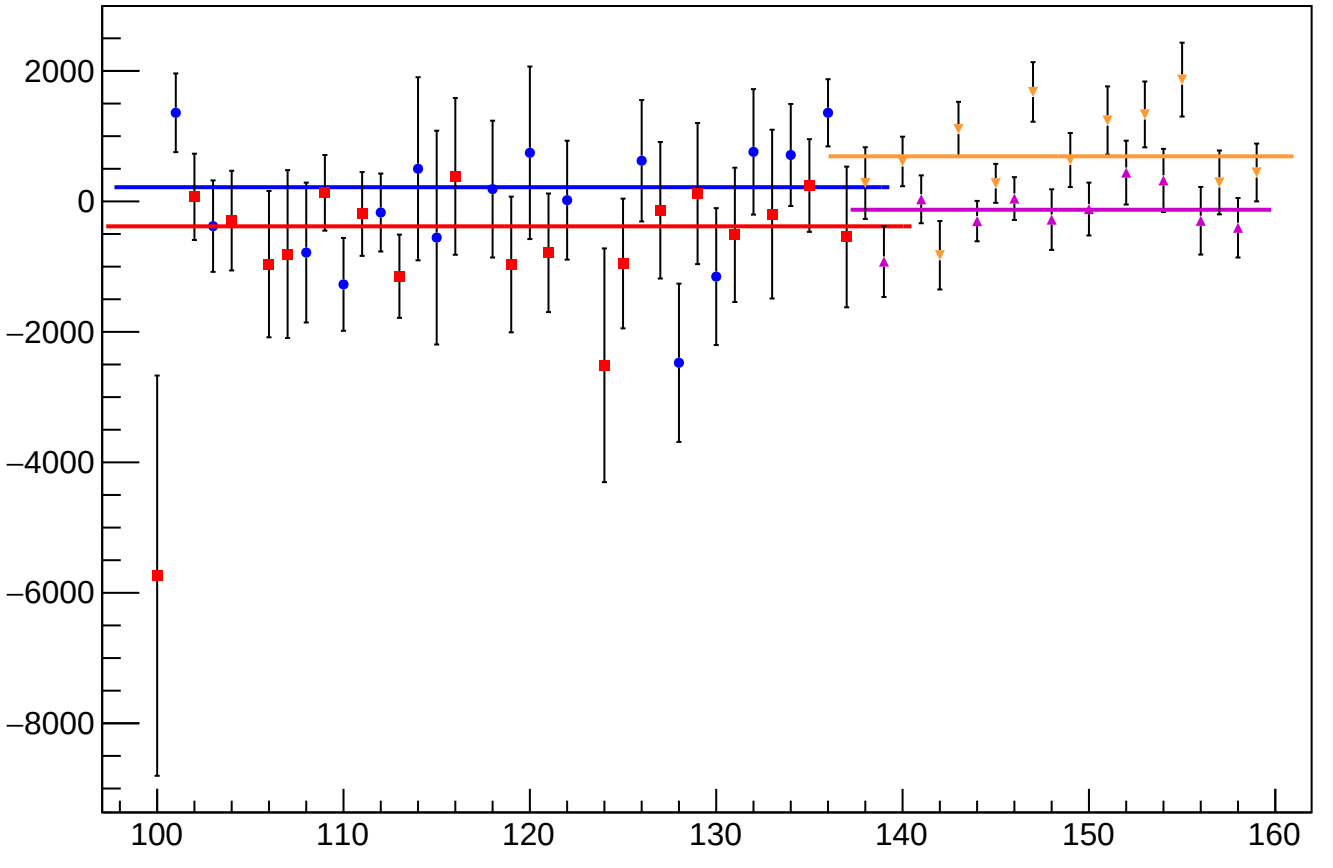
Left: 367.335+/-0.062 χ^2/NDF: 1332468.8/21

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 410.931+/-0.076 χ^2/NDF:2135398.7/25

Out: 411.998+/-0.073 χ^2/NDF:2334614.0/30

All: 411.481+/-0.053 χ^2/NDF: 4470115.0/56



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 691.204+/-127.597 χ^2/NDF:24.6/11

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -128.068+/-131.028 χ^2/NDF:5.7/9

Left: 292.433+/-91.414 χ^2/NDF: 50.4/21

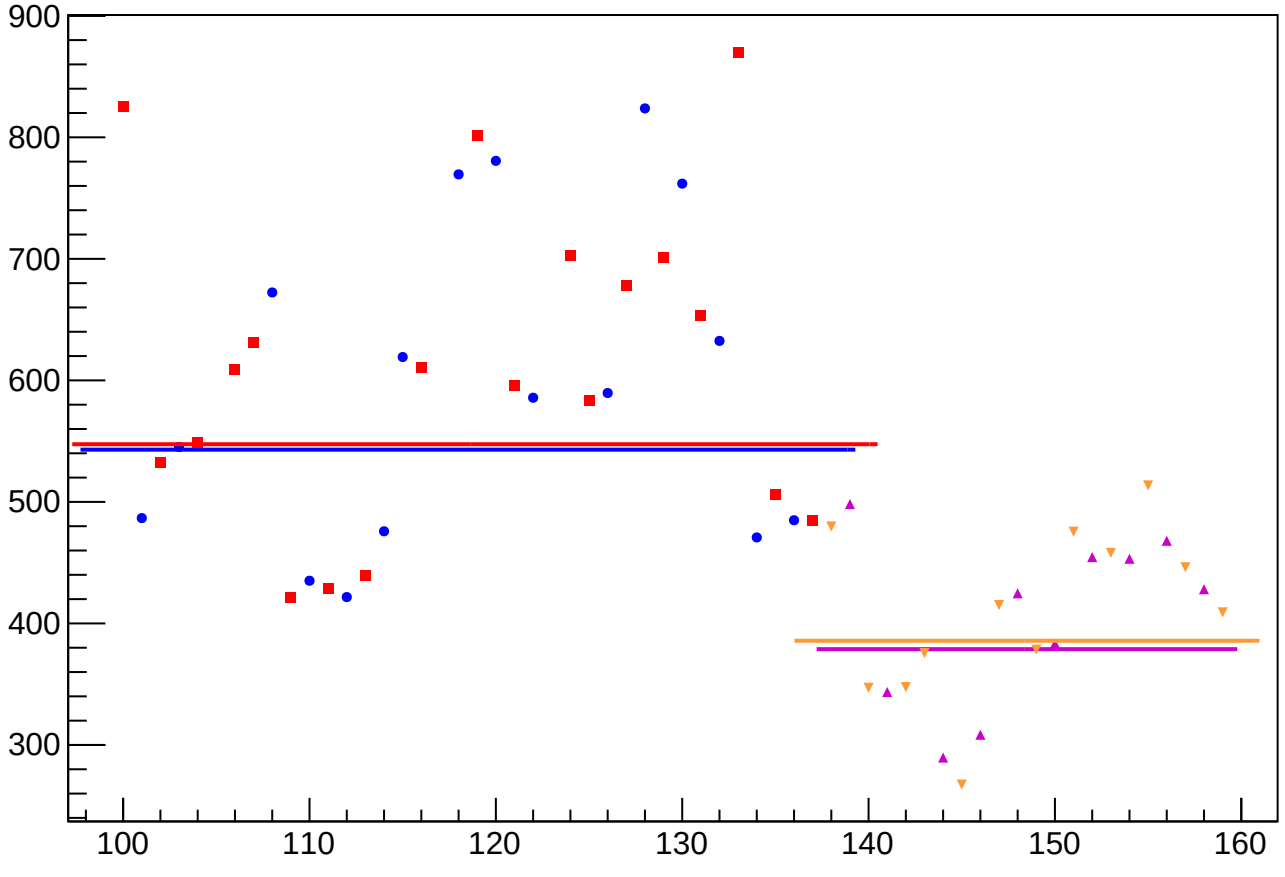
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -29.478+/-110.787 χ^2/NDF:30.6/25

Out: 392.804+/-108.413 χ^2/NDF:54.2/30

All: 186.236+/-77.485 χ^2/NDF: 92.2/56

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 385.772+/-0.090 χ^2/NDF:651590.0/11

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 378.839+/-0.093 χ^2/NDF:570903.3/9

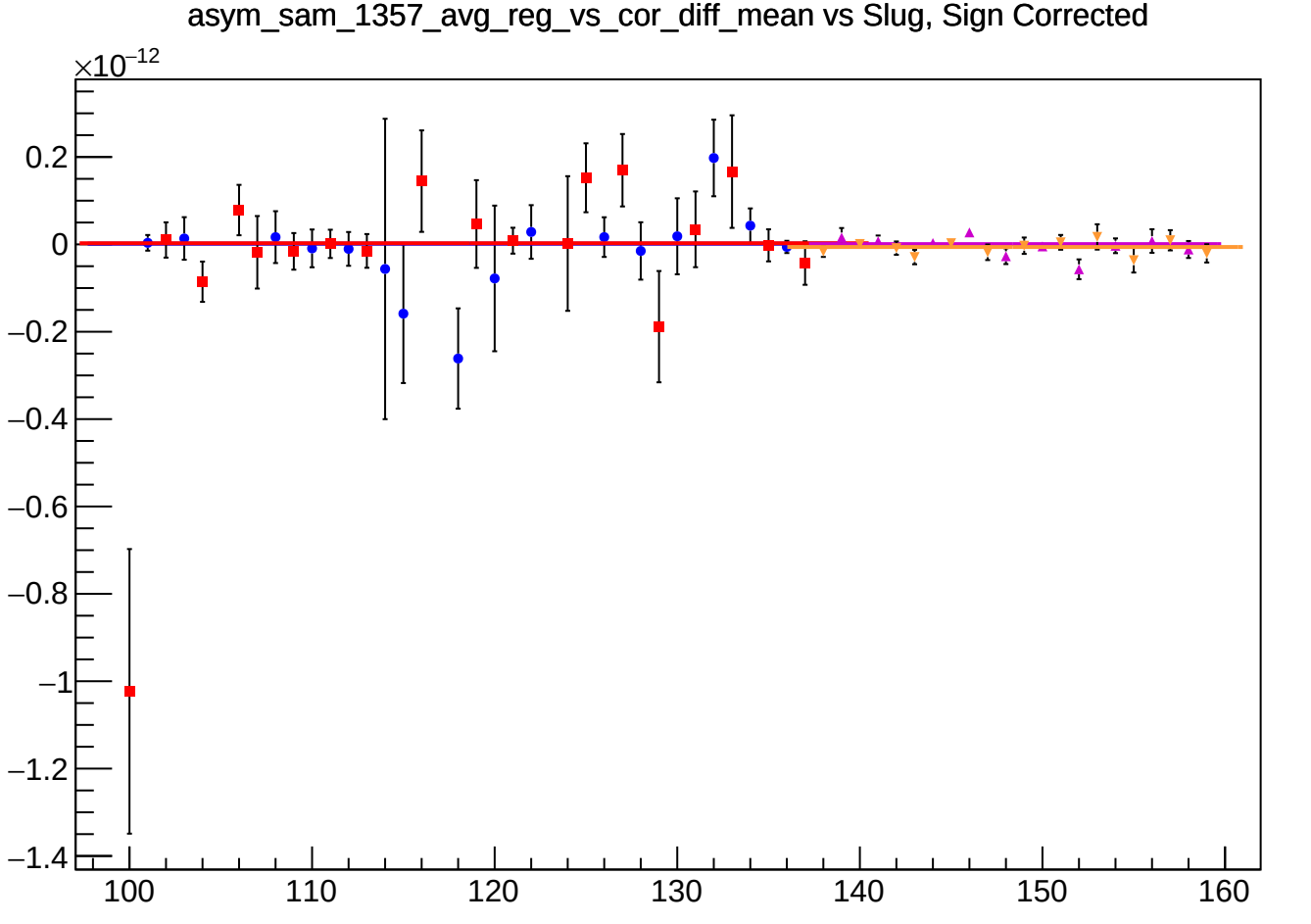
Left: 382.397+/-0.065 χ^2/NDF: 1225367.1/21

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 425.638+/-0.078 χ^2/NDF:2071119.9/25

Out: 430.737+/-0.077 χ^2/NDF:2174997.0/30

All: 428.243+/-0.055 χ^2/NDF: 4248280.5/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/9

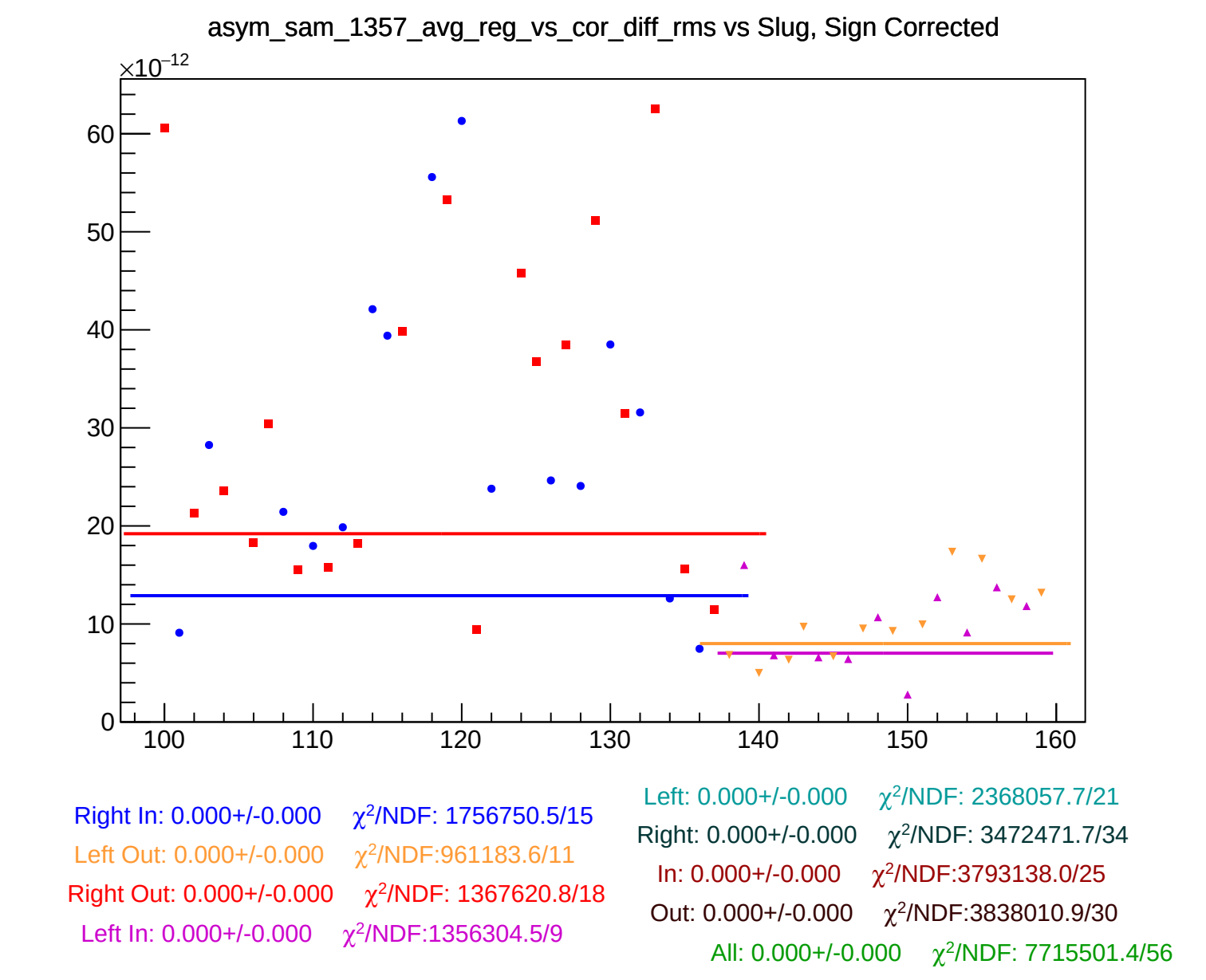
Left: -0.000+/-0.000 χ^2/NDF: 25.0/21

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

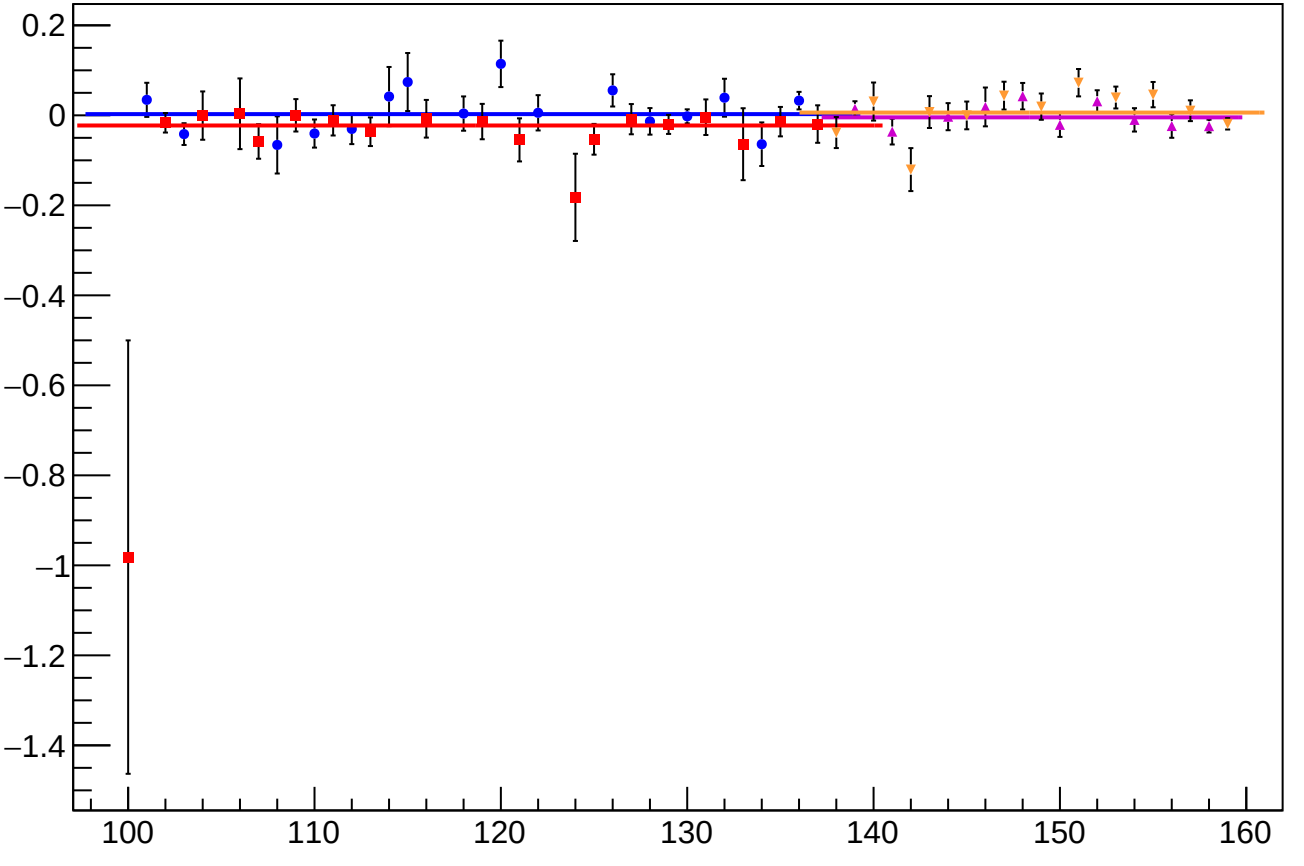
In: 0.000+/-0.000 χ^2/NDF:29.9/25

Out: -0.000+/-0.000 χ^2/NDF:38.1/30

All: -0.000+/-0.000 χ^2/NDF: 69.0/56


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:961183.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1356304.5/9
Left: 0.000+/-0.000 χ²/NDF: 2368057.7/21
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3793138.0/25
Out: 0.000+/-0.000 χ²/NDF:3838010.9/30
All: 0.000+/-0.000 χ²/NDF: 7715501.4/56

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: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.001+/-0.005 χ^2/NDF: 34.7/21

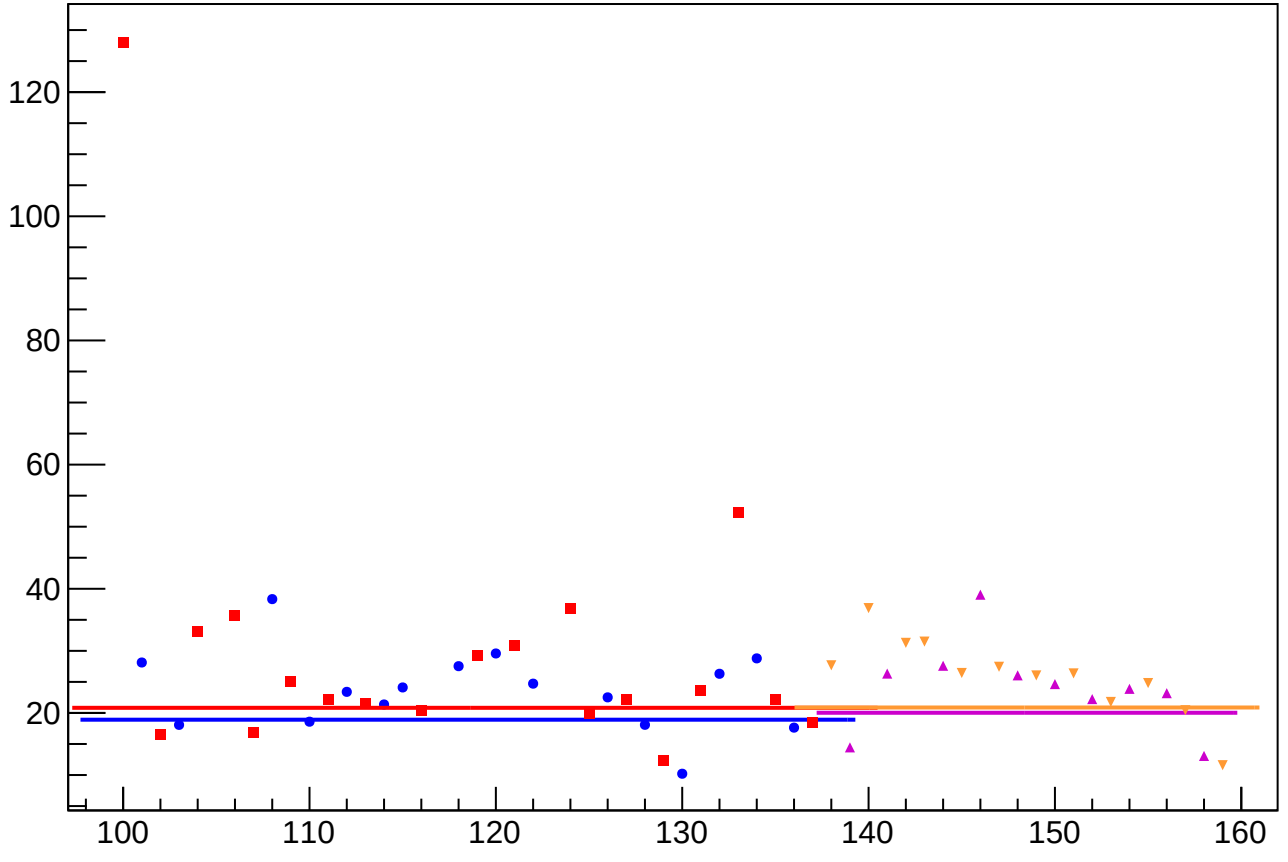
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.006+/-0.006 χ^2/NDF:40.6/30

All: -0.004+/-0.004 χ^2/NDF: 73.8/56

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.877+/-0.005 χ^2/NDF:2043816.9/11

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

Left: 20.449+/-0.004 χ^2/NDF: 3594198.6/21

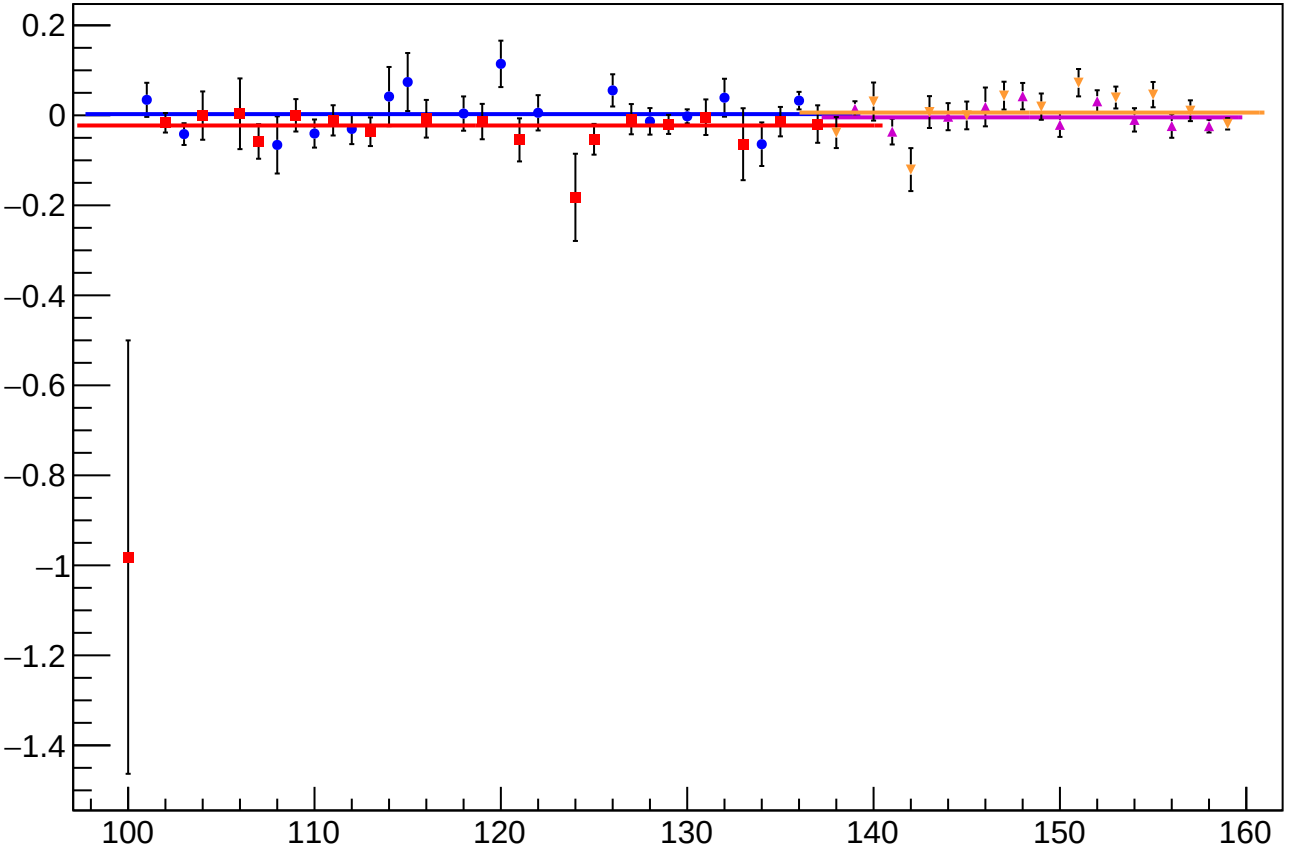
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.502+/-0.004 χ^2/NDF:2949252.8/25

Out: 20.855+/-0.004 χ^2/NDF:3335398.8/30

All: 20.151+/-0.003 χ^2/NDF: 6345803.9/56

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: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.001+/-0.005 χ^2/NDF: 34.7/21

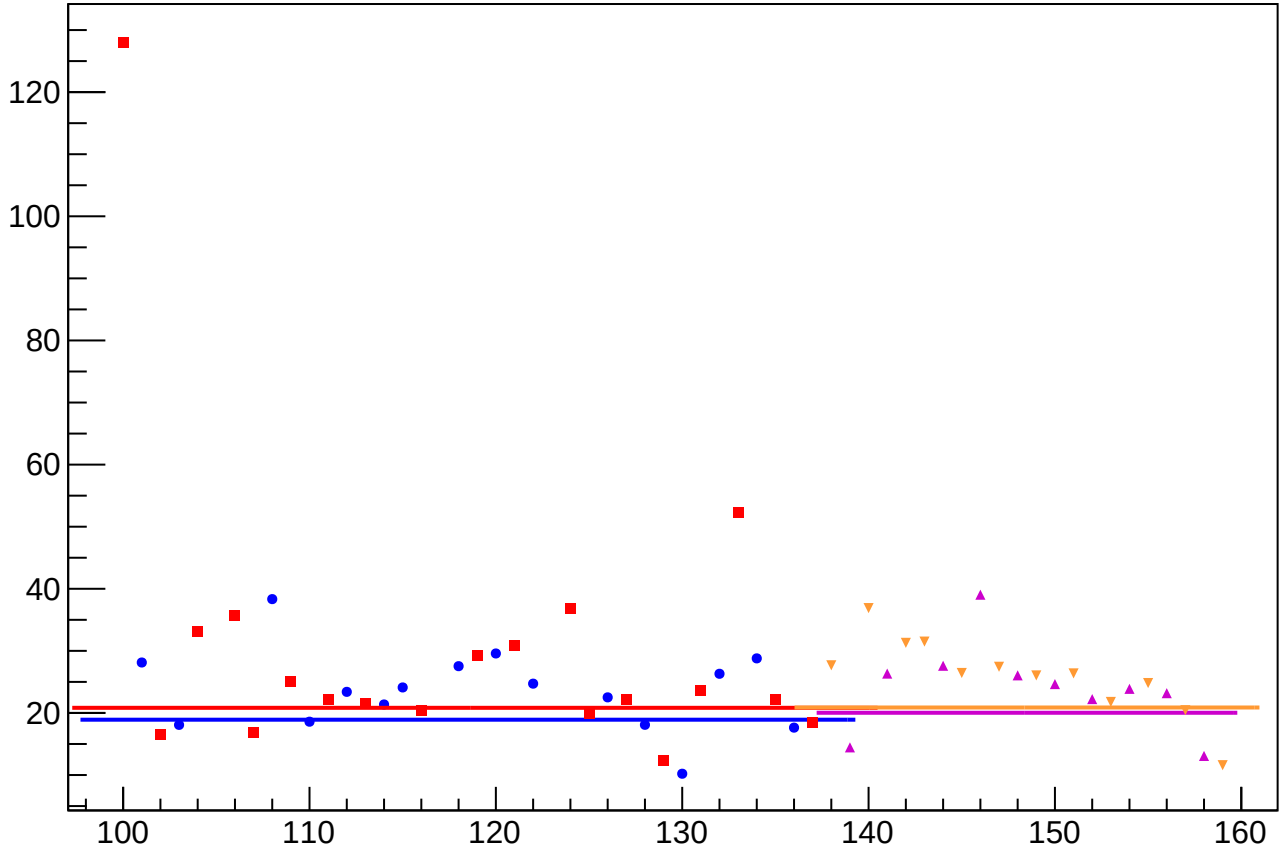
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.006+/-0.006 χ^2/NDF:40.6/30

All: -0.004+/-0.004 χ^2/NDF: 73.8/56

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: 20.877+/-0.005 χ^2/NDF:2043816.9/11

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

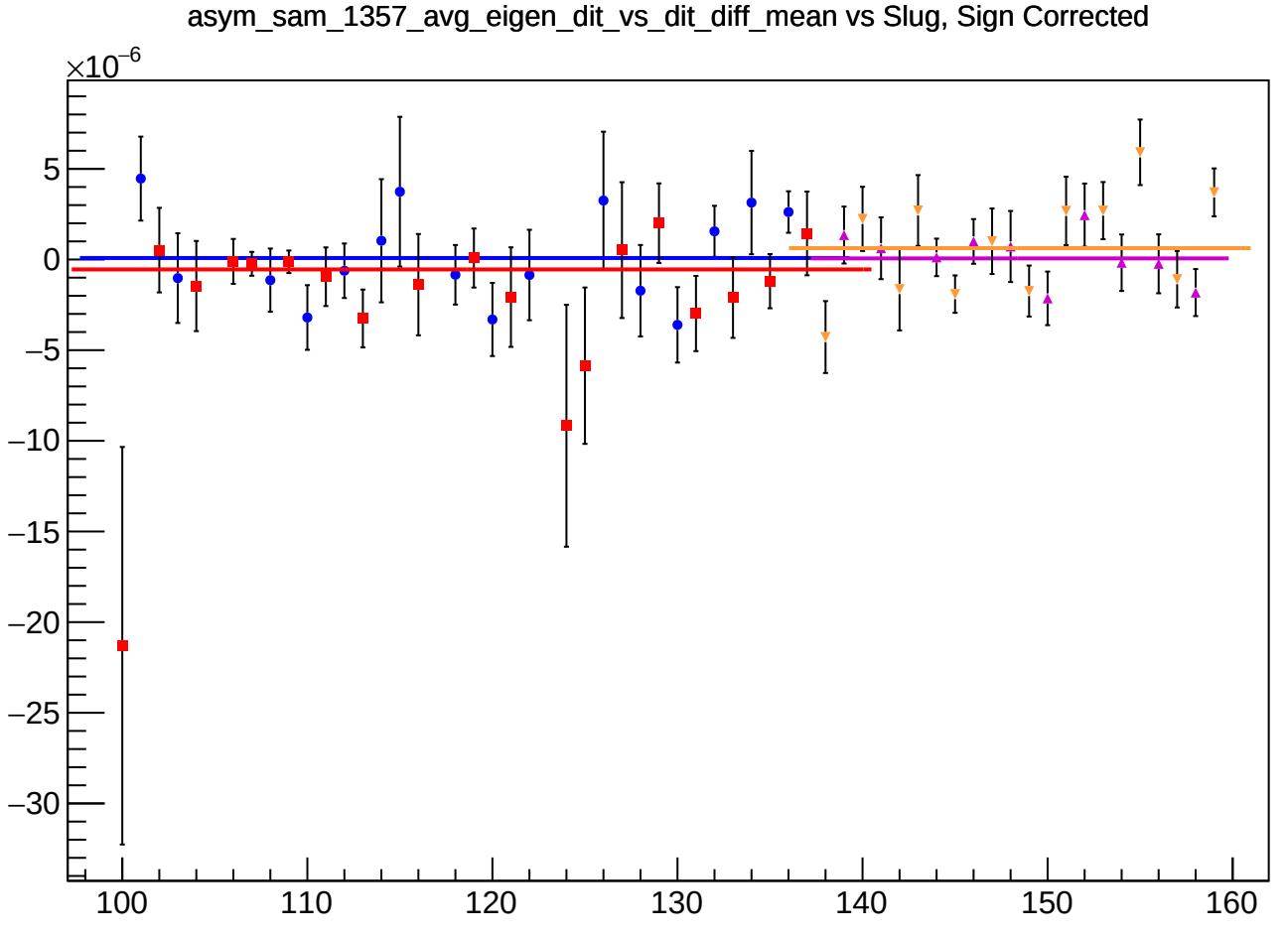
Left: 20.449+/-0.004 χ^2/NDF: 3594198.6/21

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.502+/-0.004 χ^2/NDF:2949252.8/25

Out: 20.855+/-0.004 χ^2/NDF:3335398.8/30

All: 20.151+/-0.003 χ^2/NDF: 6345803.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/9

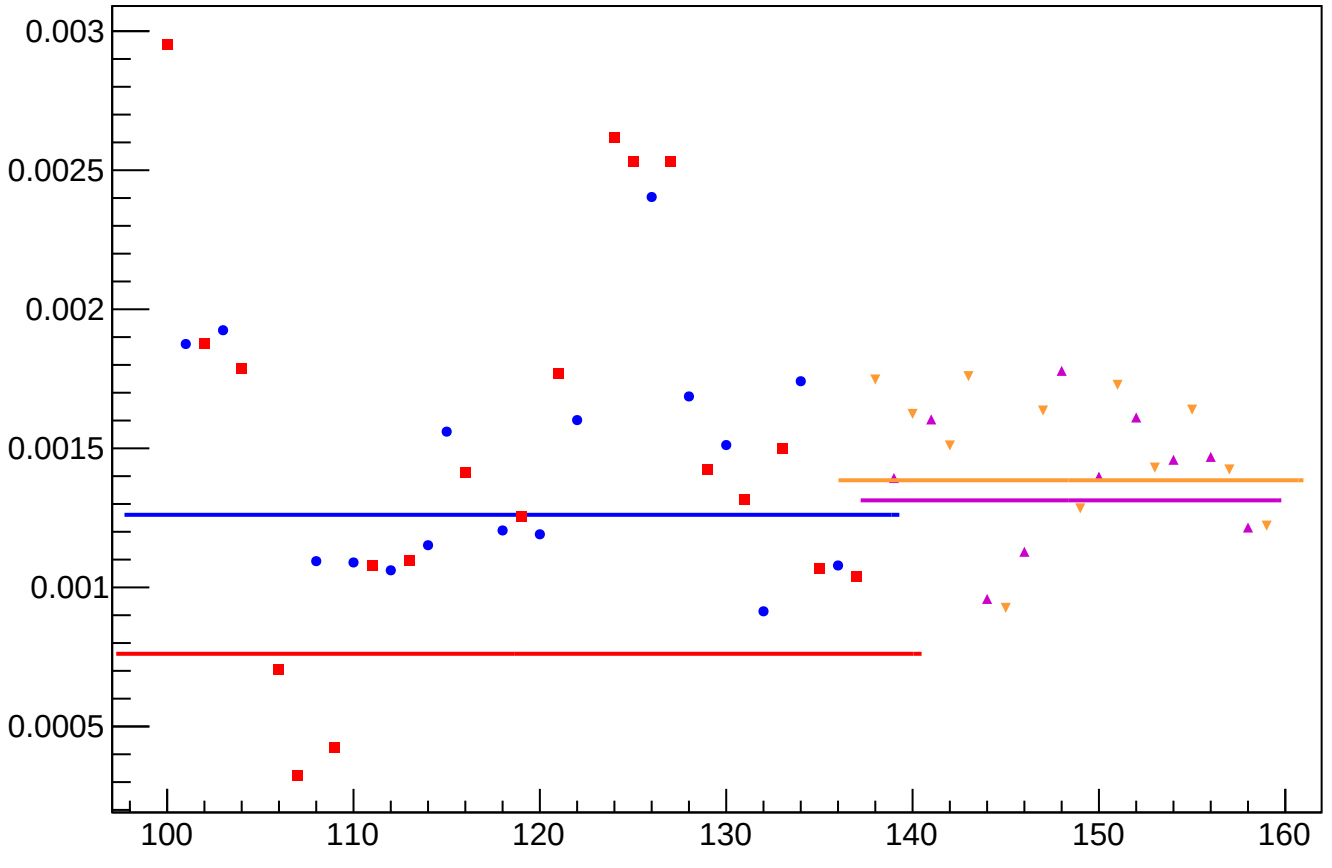
Left: 0.000+/-0.000 χ^2/NDF: 44.6/21

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:31.3/25

Out: -0.000+/-0.000 χ^2/NDF:55.9/30

All: -0.000+/-0.000 χ^2/NDF: 87.4/56



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:765790.9/11

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:568593.4/9

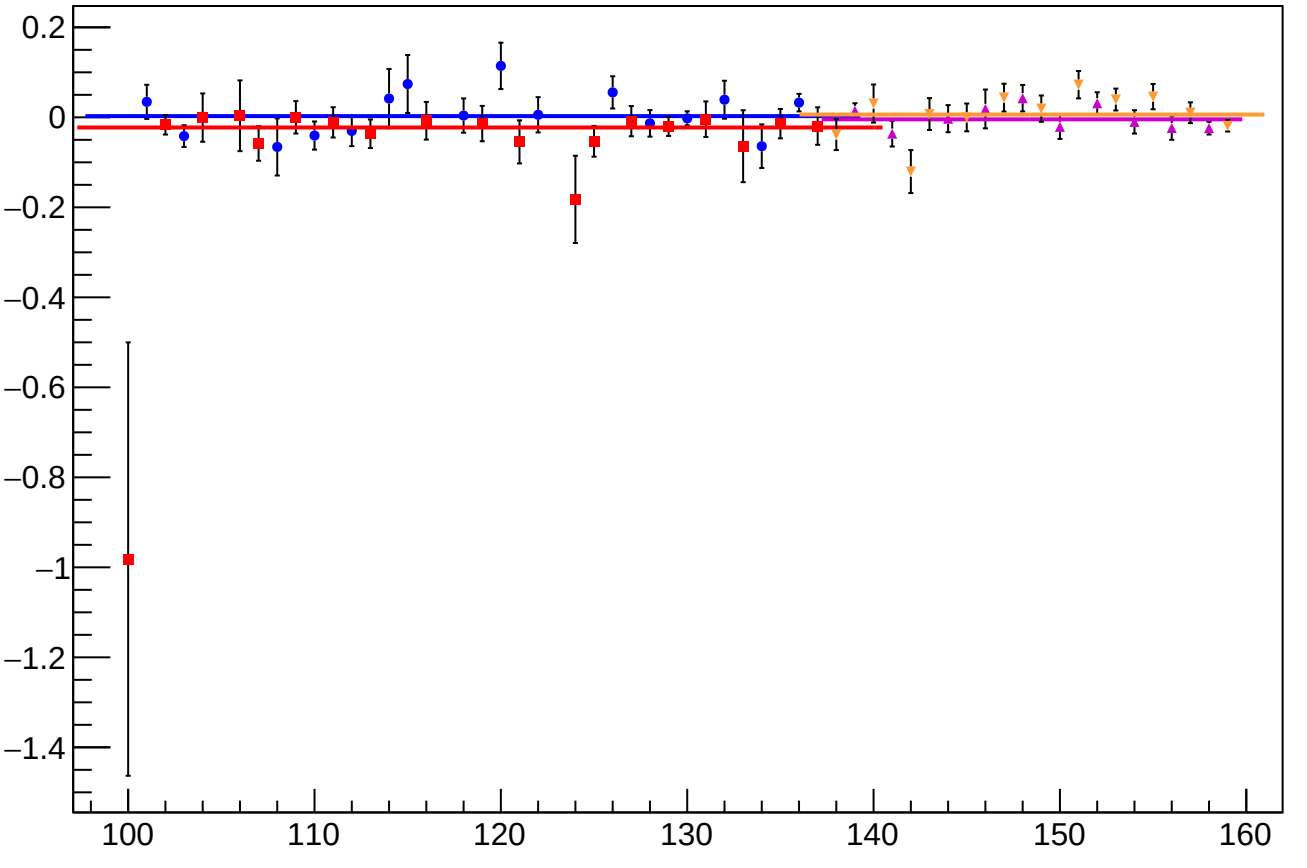
Left: 0.001+/-0.000 χ^2/NDF: 1359236.8/21

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1487992.1/25

Out: 0.001+/-0.000 χ^2/NDF:7834829.2/30

All: 0.001+/-0.000 χ^2/NDF: 10342220.0/56



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.001+/-0.005 χ^2/NDF: 34.7/21

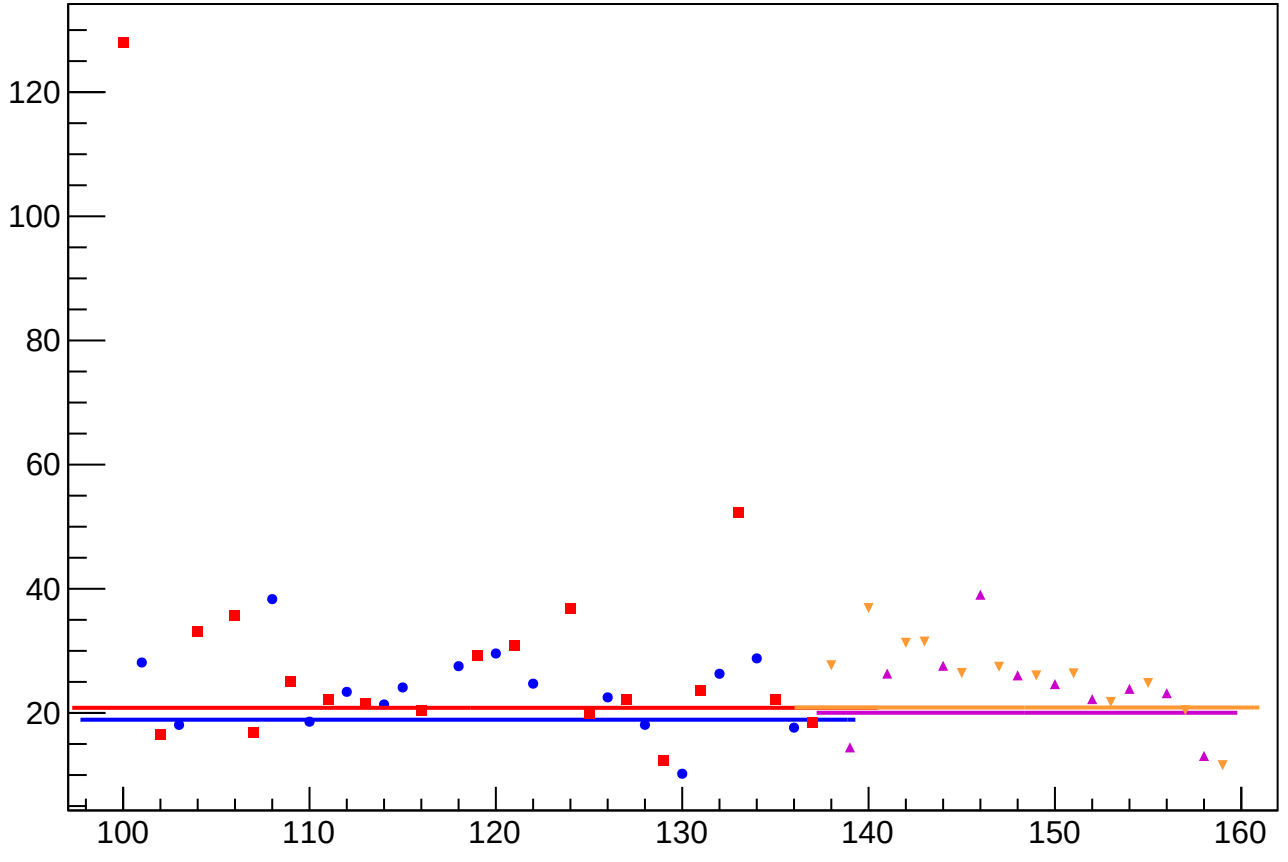
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.006+/-0.006 χ^2/NDF:40.7/30

All: -0.004+/-0.004 χ^2/NDF: 73.8/56

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: 20.877+/-0.005 χ^2/NDF:2043995.9/11

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

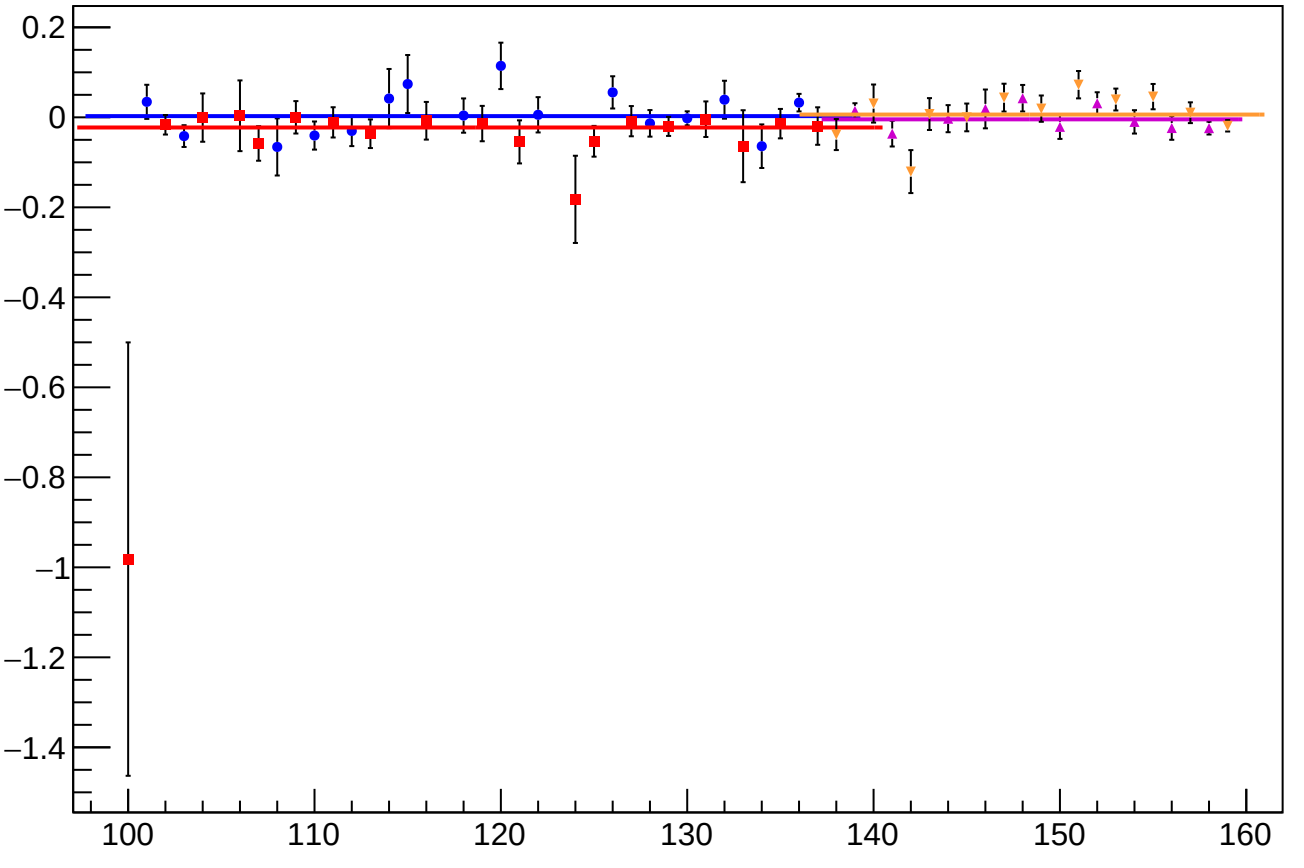
Left: 20.449+/-0.004 χ^2/NDF: 3594441.3/21

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.502+/-0.004 χ^2/NDF:2949199.6/25

Out: 20.855+/-0.004 χ^2/NDF:3335573.7/30

All: 20.151+/-0.003 χ^2/NDF: 6345908.1/56



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.001+/-0.005 χ^2/NDF: 34.7/21

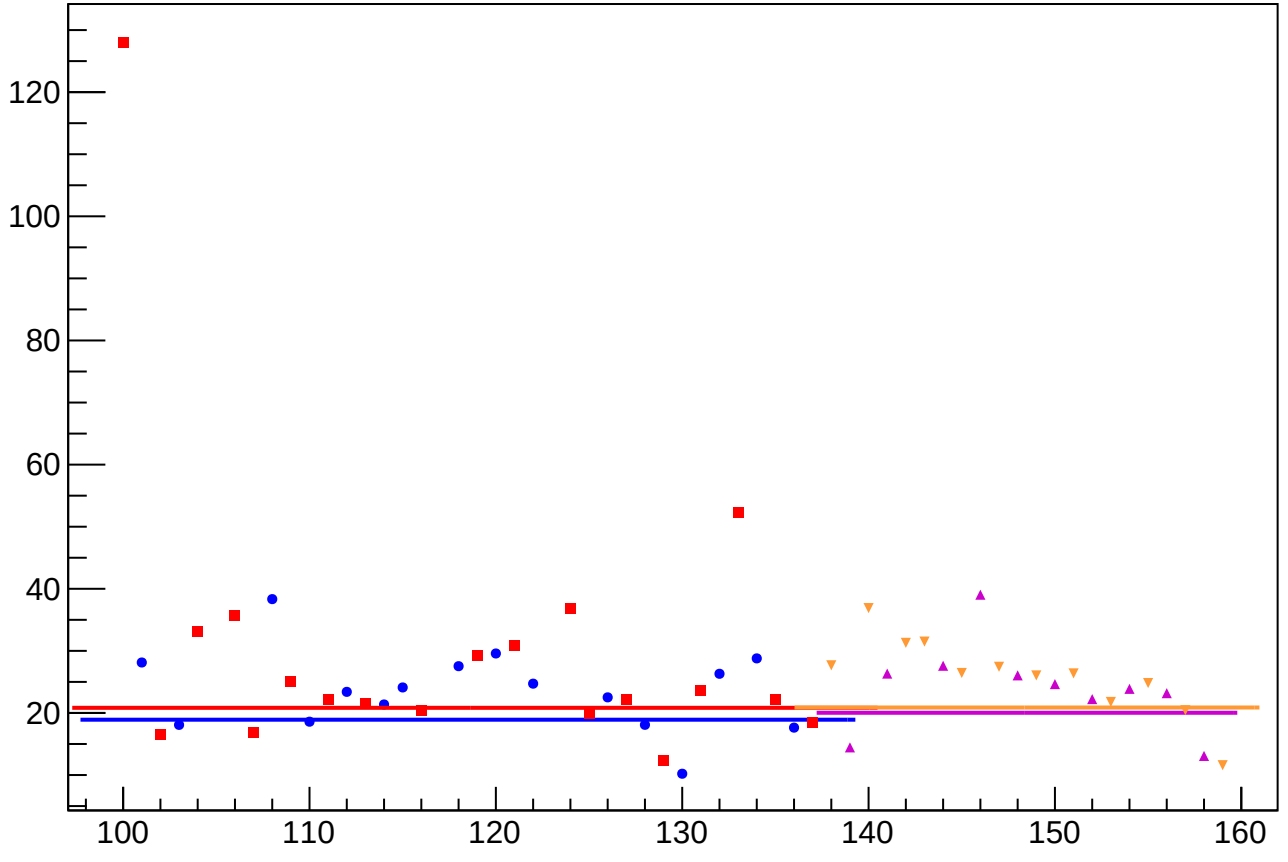
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.006+/-0.006 χ^2/NDF:40.7/30

All: -0.004+/-0.004 χ^2/NDF: 73.8/56

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: 20.877+/-0.005 χ^2/NDF:2043995.9/11

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

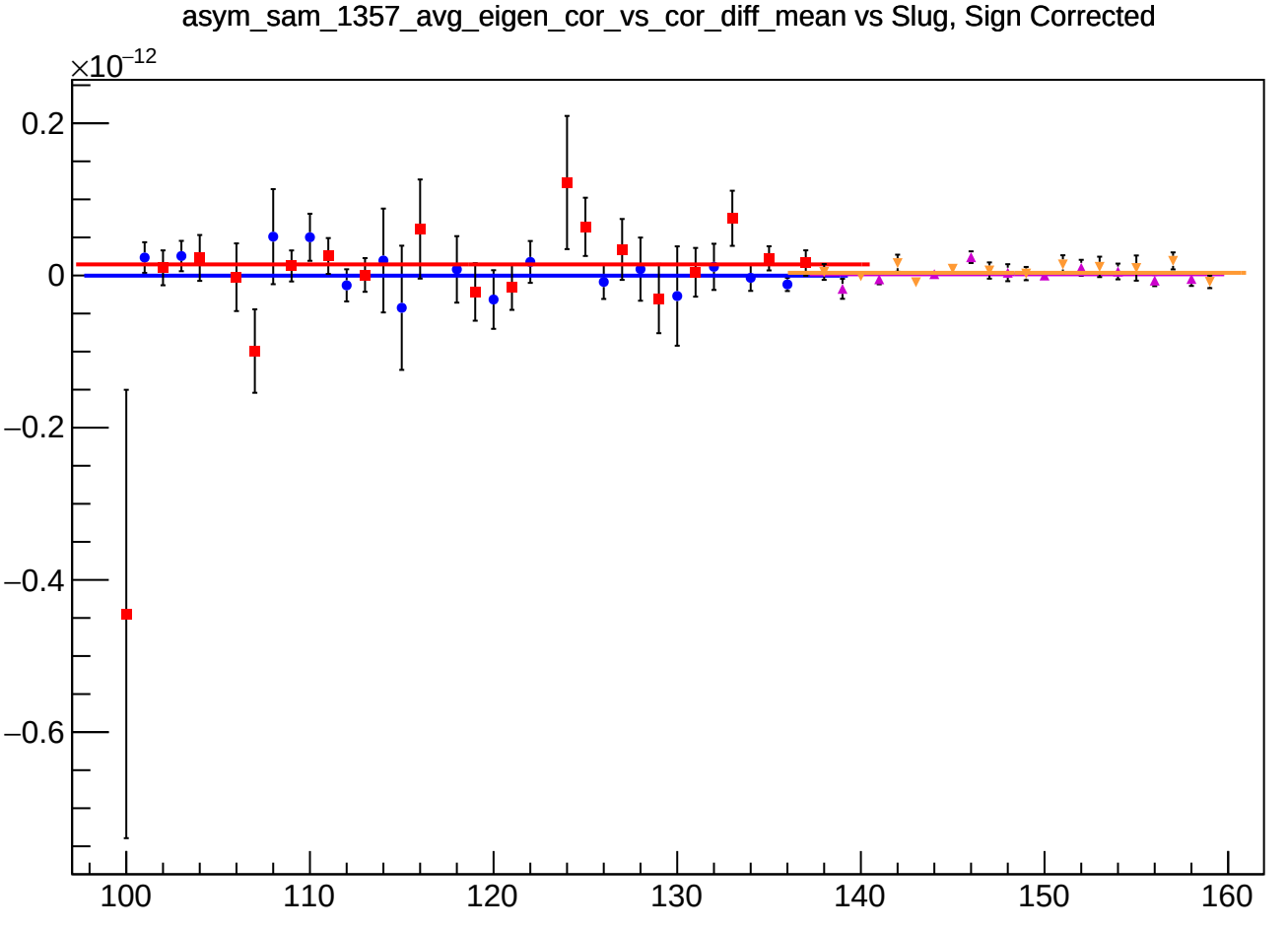
Left: 20.449+/-0.004 χ^2/NDF: 3594441.3/21

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.502+/-0.004 χ^2/NDF:2949199.6/25

Out: 20.855+/-0.004 χ^2/NDF:3335573.7/30

All: 20.151+/-0.003 χ^2/NDF: 6345908.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/9

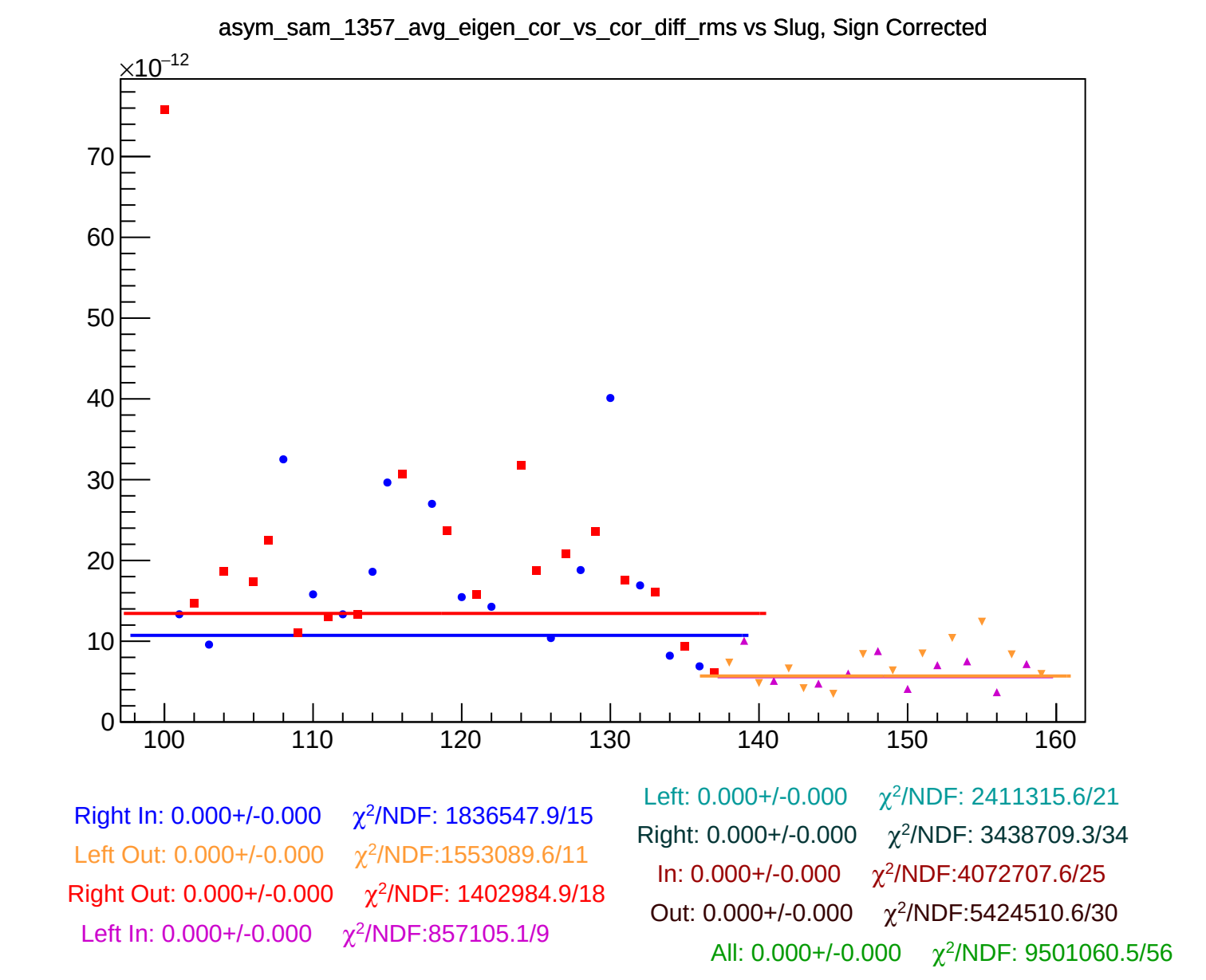
Left: 0.000+/-0.000 χ^2/NDF: 26.8/21

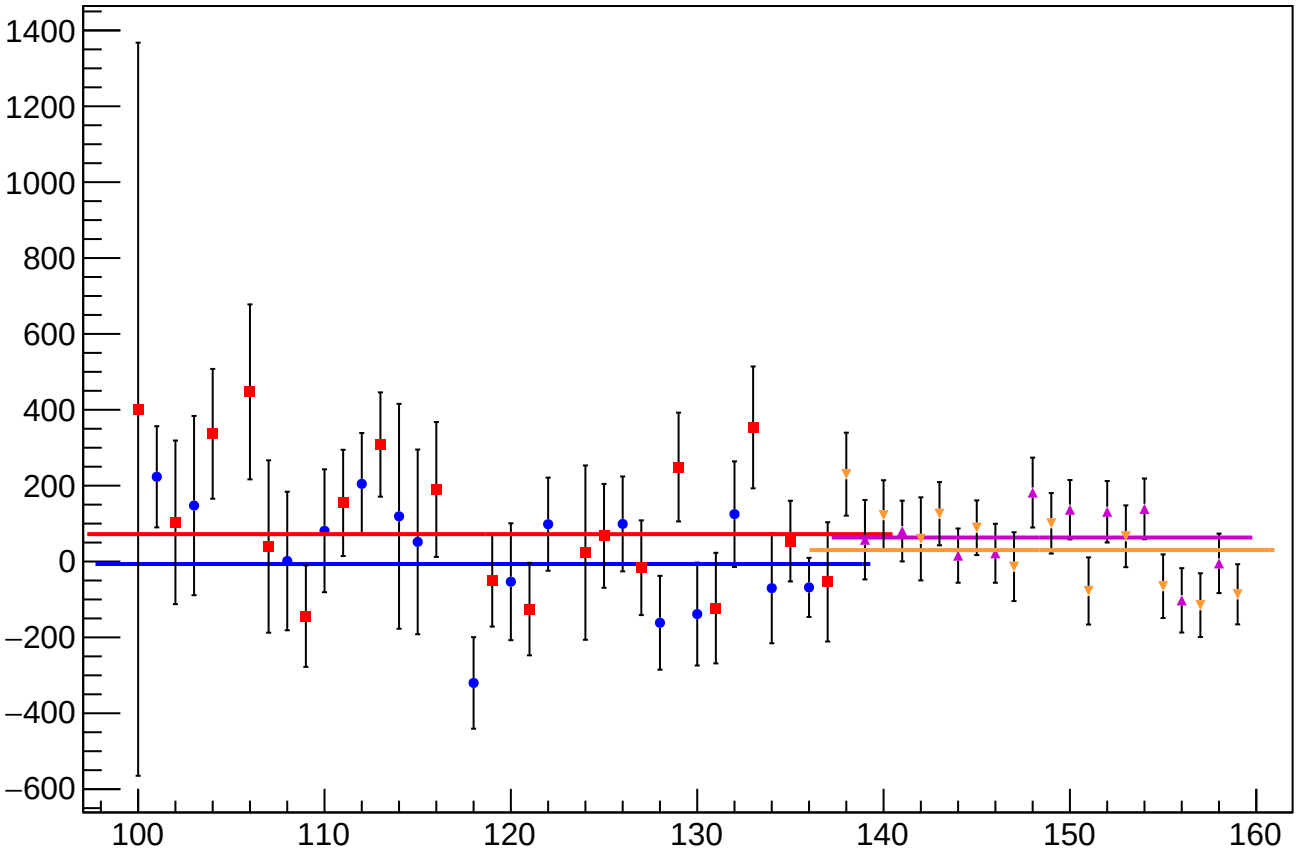
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.9/25

Out: 0.000+/-0.000 χ^2/NDF:32.4/30

All: 0.000+/-0.000 χ^2/NDF: 58.5/56


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
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1553089.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:857105.1/9
Left: 0.000+/-0.000 χ²/NDF: 2411315.6/21
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4072707.6/25
Out: 0.000+/-0.000 χ²/NDF:5424510.6/30
All: 0.000+/-0.000 χ²/NDF: 9501060.5/56



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 30.196+/-24.840 χ^2/NDF:15.5/11

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 63.259+/-25.824 χ^2/NDF:9.5/9

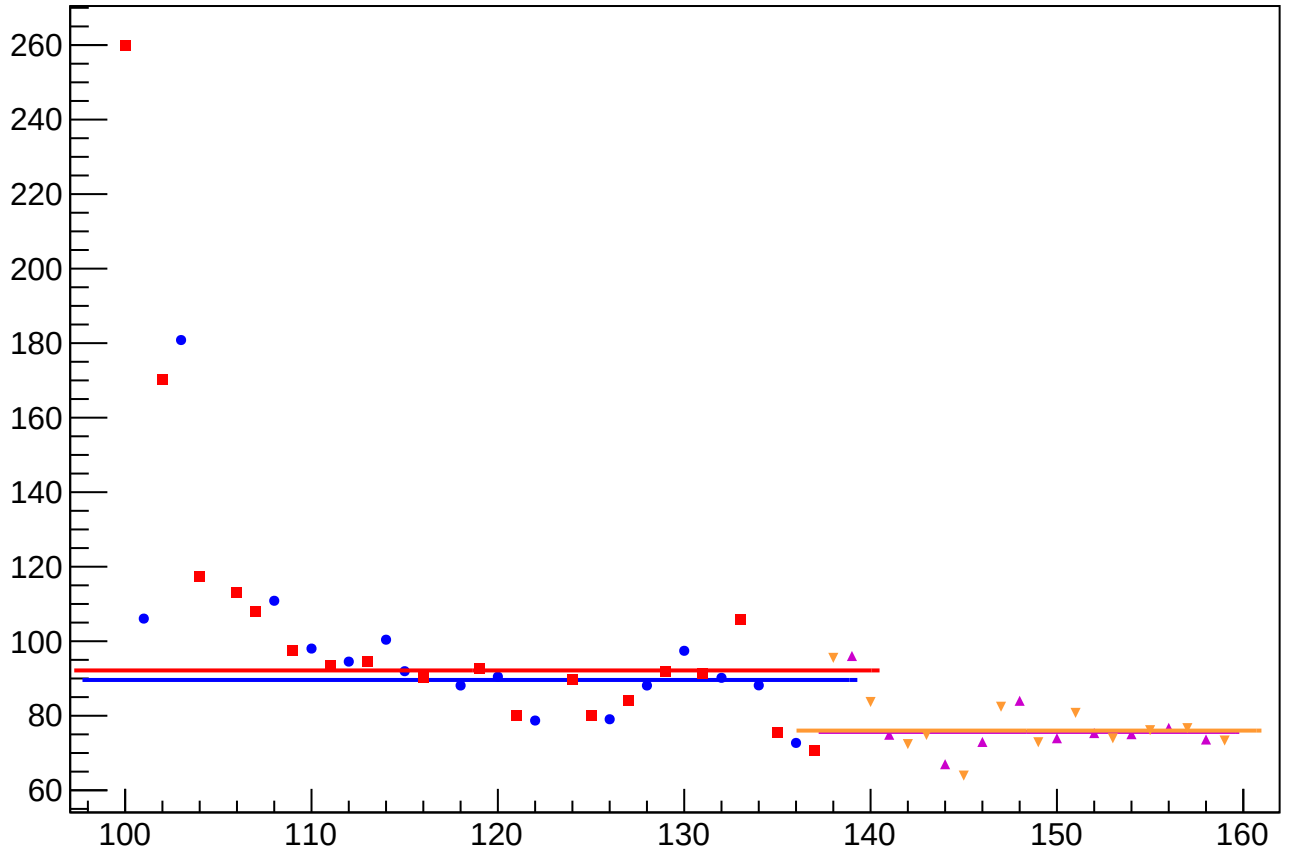
Left: 46.085+/-17.902 χ^2/NDF: 25.9/21

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 37.988+/-20.628 χ^2/NDF:31.0/25

Out: 44.303+/-20.234 χ^2/NDF:39.3/30

All: 41.206+/-14.445 χ^2/NDF: 70.4/56



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.016+/-0.018 χ^2/NDF:158741.6/11

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

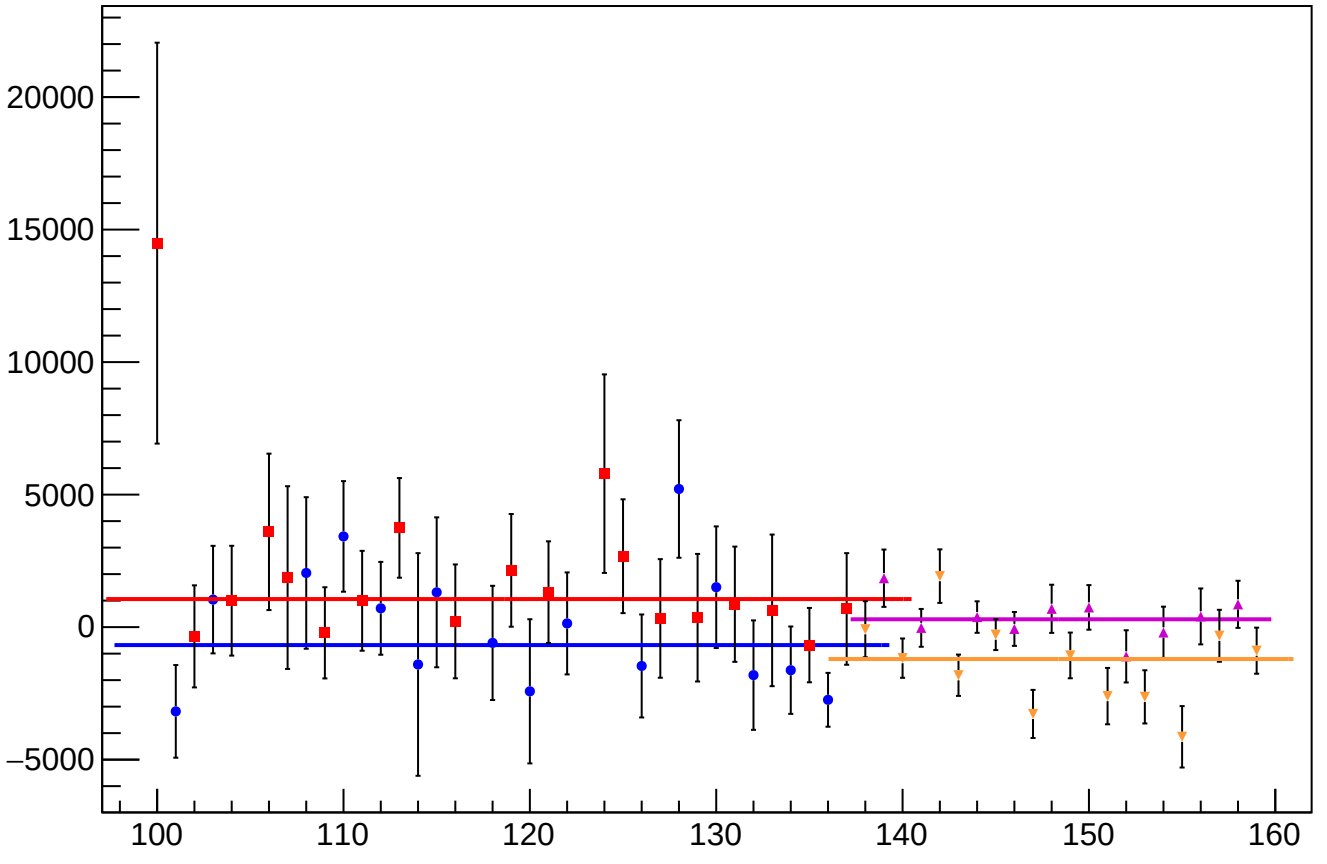
Left: 75.844+/-0.013 χ^2/NDF: 285929.7/21

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.705+/-0.015 χ^2/NDF:836524.4/25

Out: 81.449+/-0.014 χ^2/NDF:985083.3/30

All: 81.084+/-0.010 χ^2/NDF: 1822932.5/56



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1203.780+/-251.293 χ^2/NDF:30.2/11

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 295.406+/-258.385 χ^2/NDF:5.8/9

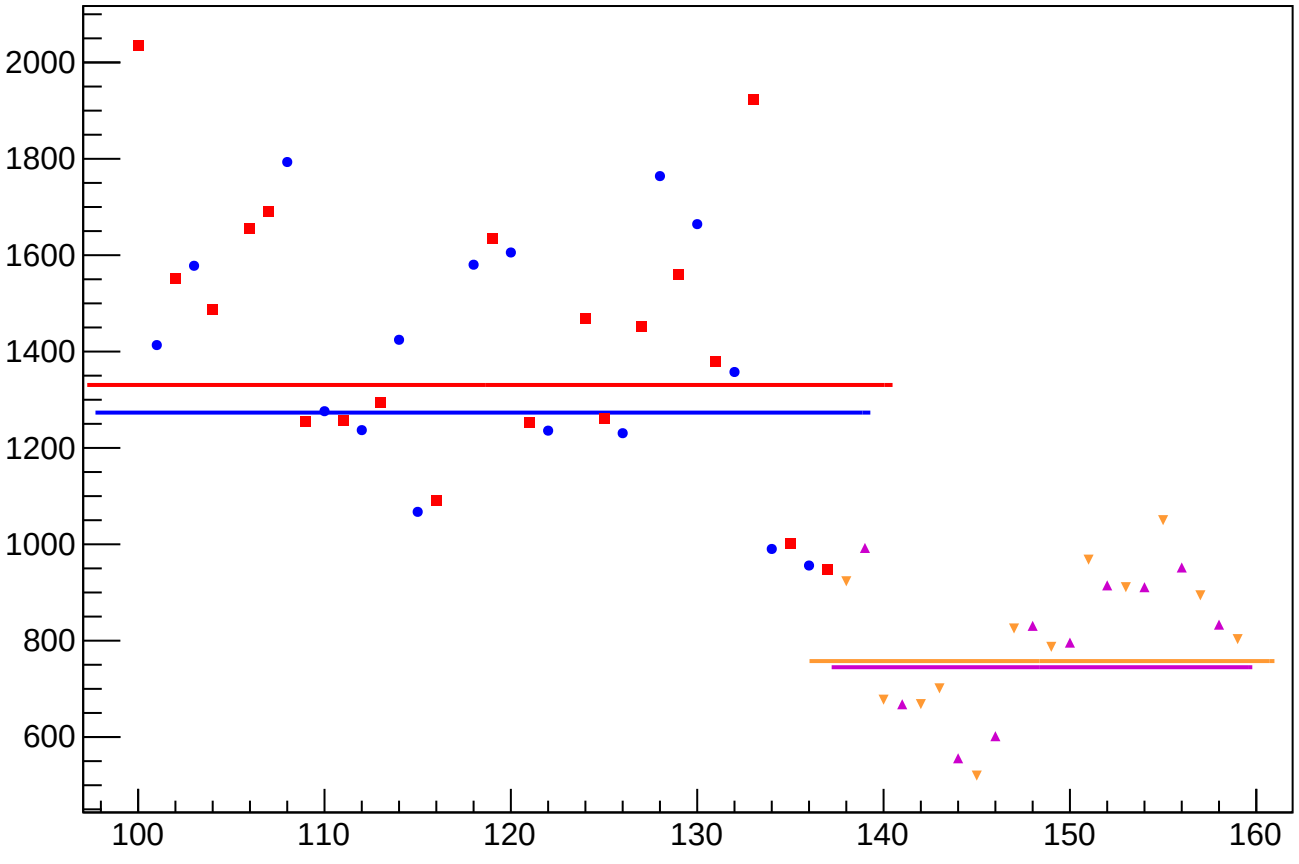
Left: -475.045+/-180.146 χ^2/NDF: 53.3/21

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 81.363+/-228.195 χ^2/NDF:29.2/25

Out: -742.165+/-224.197 χ^2/NDF:58.2/30

All: -337.679+/-159.926 χ^2/NDF: 94.0/56



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 757.652+/-0.178 χ^2/NDF:742247.7/11

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 744.905+/-0.183 χ^2/NDF:670408.5/9

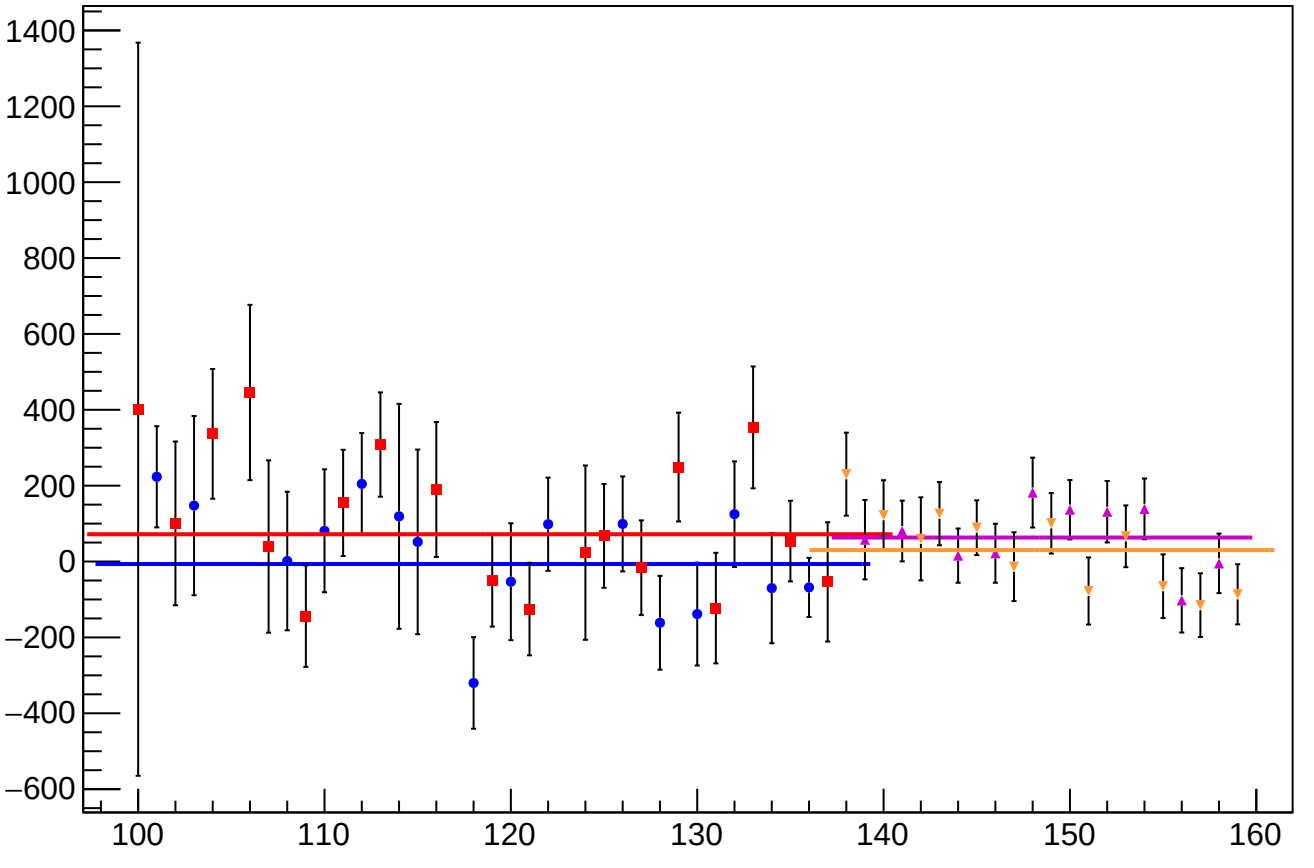
Left: 751.456+/-0.127 χ^2/NDF: 1415157.9/21

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 861.173+/-0.161 χ^2/NDF:3108428.2/25

Out: 874.565+/-0.159 χ^2/NDF:3334775.8/30

All: 867.987+/-0.113 χ^2/NDF: 6446708.8/56



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 30.199+/-24.840 χ^2/NDF:15.5/11

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.261+/-25.824 χ^2/NDF:9.5/9

Left: 46.088+/-17.902 χ^2/NDF: 25.9/21

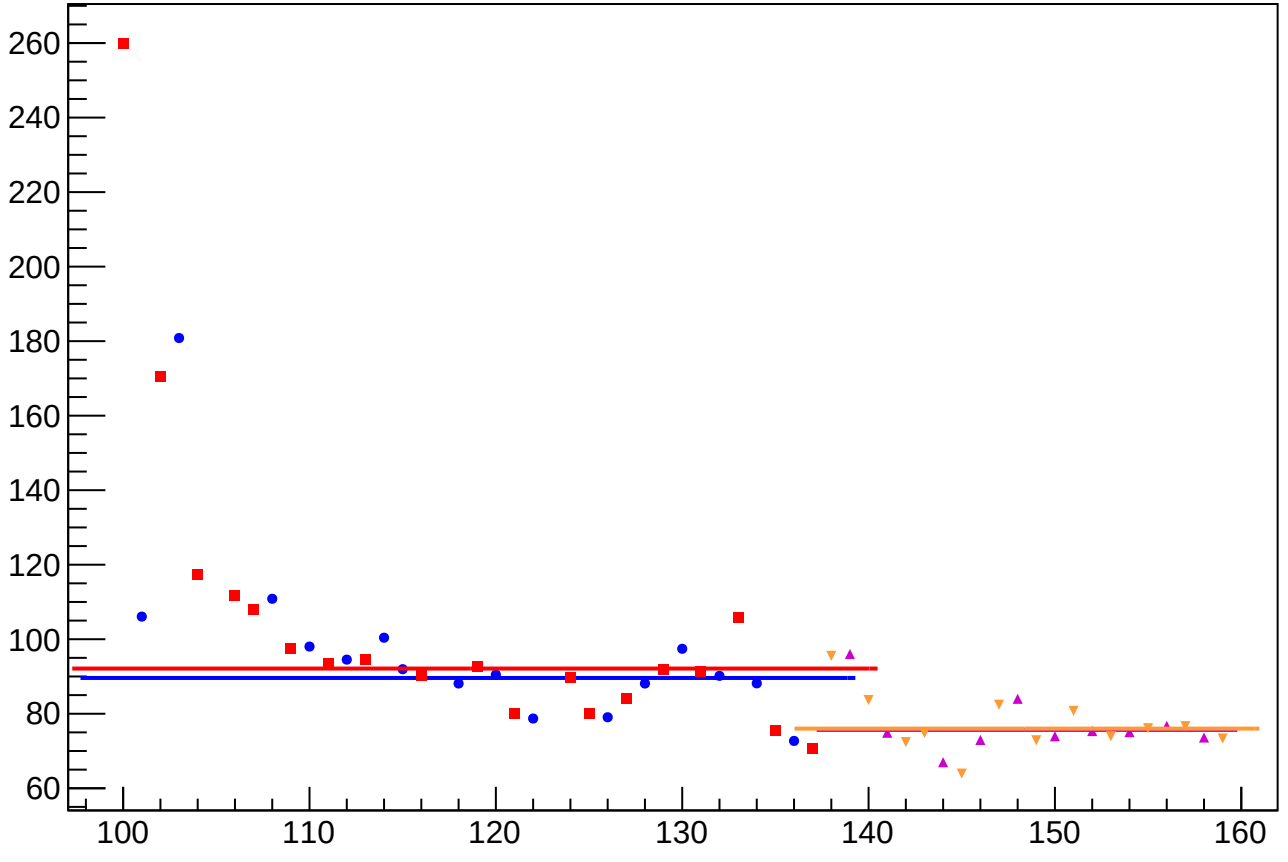
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.986+/-20.628 χ^2/NDF:31.0/25

Out: 44.256+/-20.234 χ^2/NDF:39.2/30

All: 41.181+/-14.445 χ^2/NDF: 70.3/56

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.016+/-0.018 χ^2/NDF:158741.6/11

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

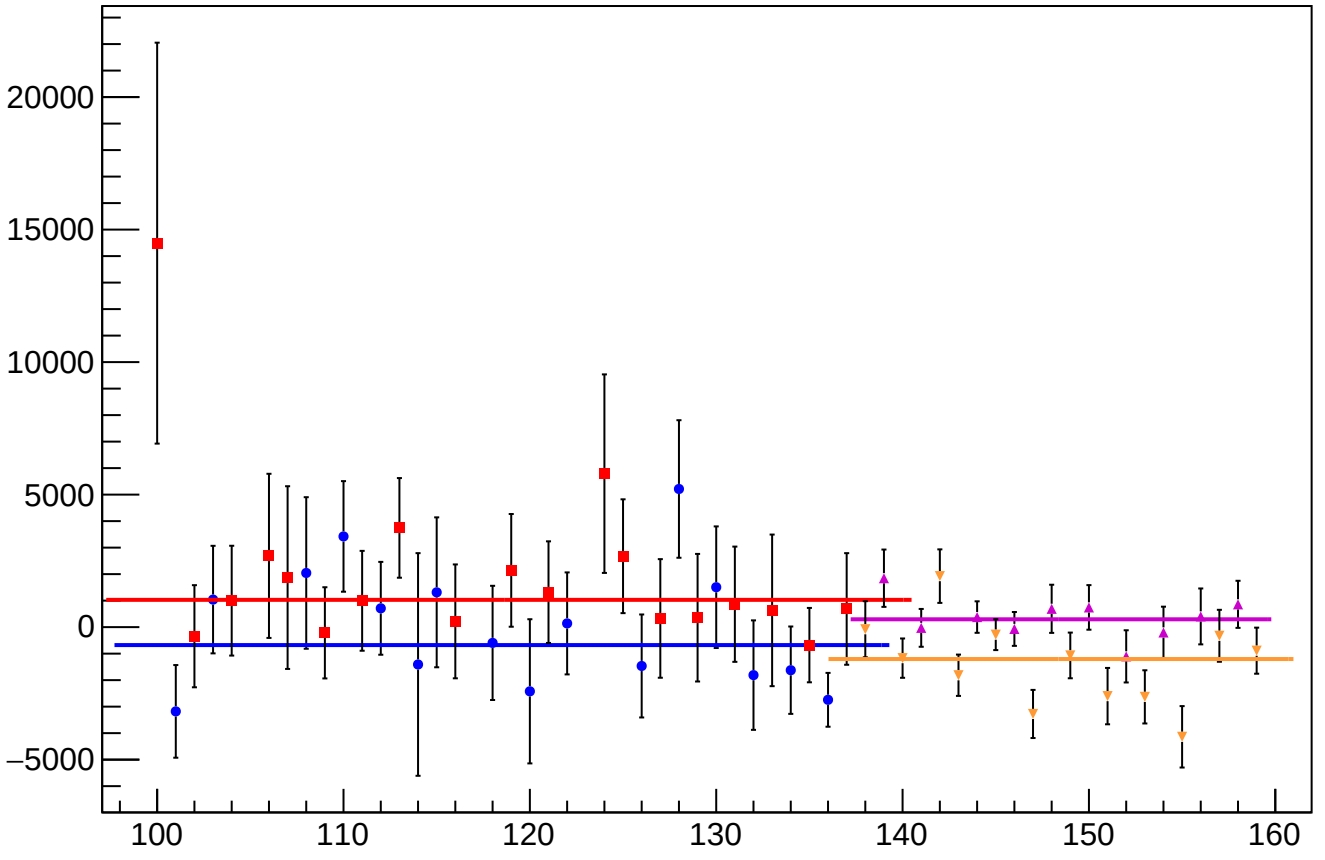
Left: 75.844+/-0.013 χ^2/NDF: 285929.7/21

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.705+/-0.015 χ^2/NDF:836527.9/25

Out: 81.437+/-0.014 χ^2/NDF:982178.3/30

All: 81.078+/-0.010 χ^2/NDF: 1819991.8/56



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1203.774+/-251.293 χ^2/NDF:30.2/11

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 295.411+/-258.385 χ^2/NDF:5.8/9

Left: -475.040+/-180.146 χ^2/NDF: 53.3/21

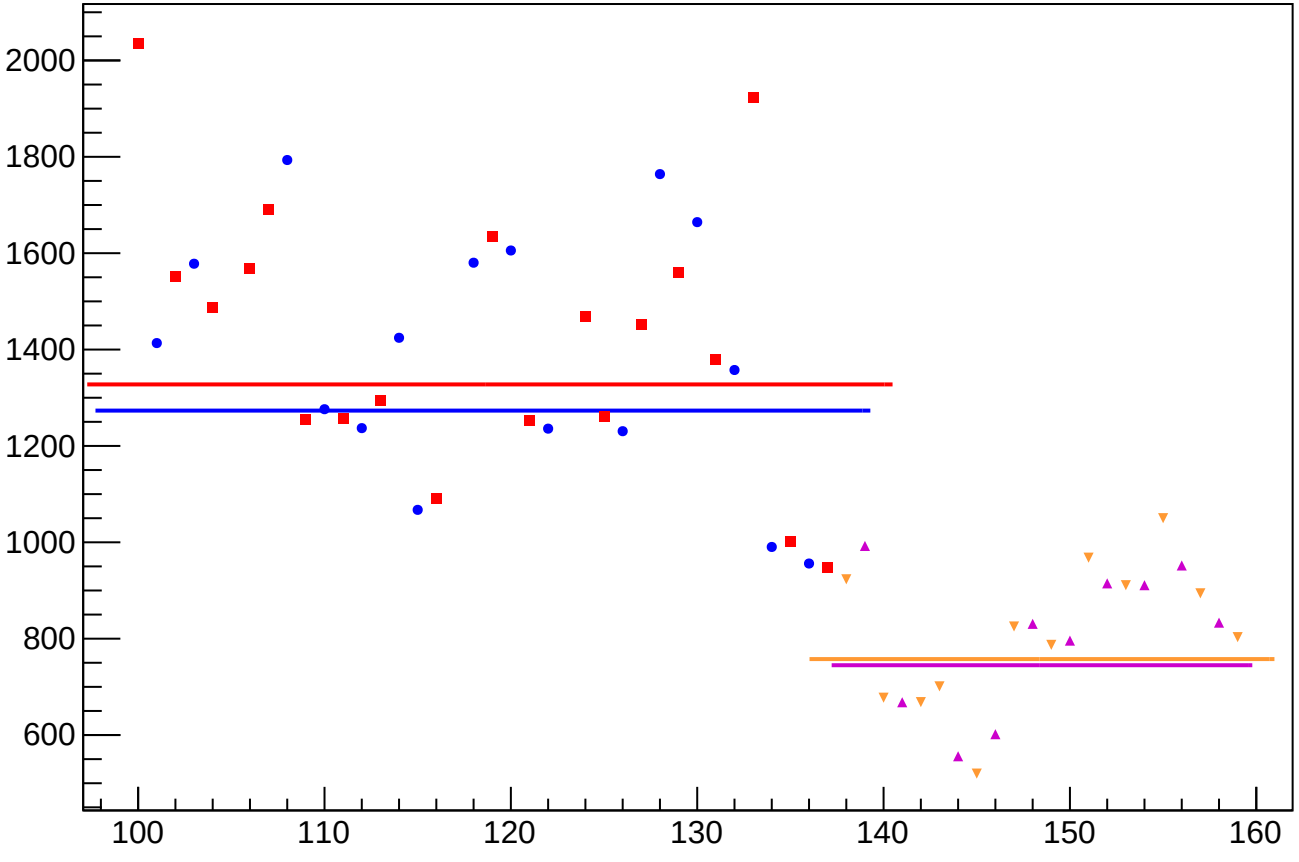
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 81.376+/-228.196 χ^2/NDF:29.2/25

Out: -749.126+/-224.258 χ^2/NDF:57.2/30

All: -341.101+/-159.948 χ^2/NDF: 93.1/56

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: 757.652+/-0.178 χ^2/NDF:742251.1/11

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

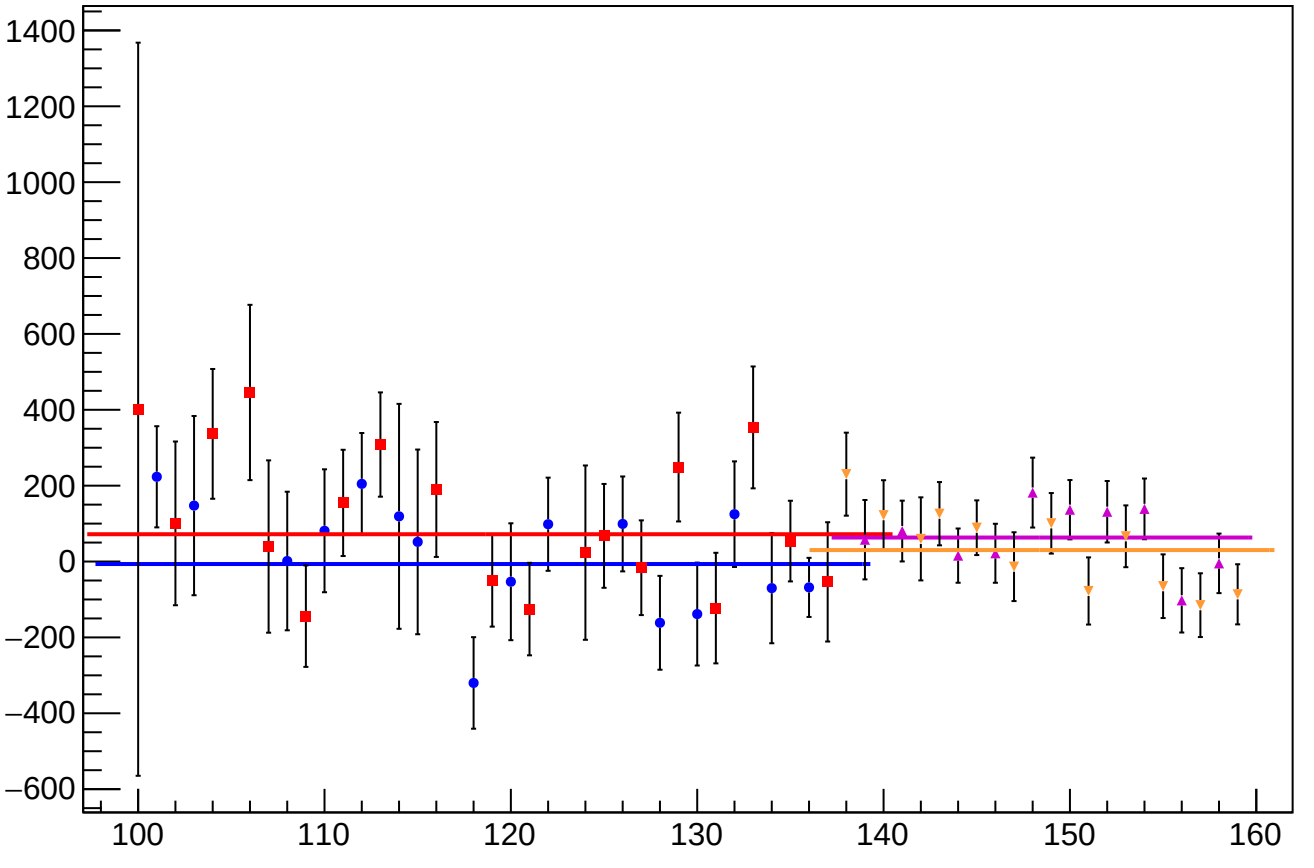
Left: 751.456+/-0.127 χ^2/NDF: 1415158.8/21

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 861.173+/-0.161 χ^2/NDF:3108463.4/25

Out: 873.699+/-0.159 χ^2/NDF:3295746.6/30

All: 867.545+/-0.113 χ^2/NDF: 6407275.4/56



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 30.199+/-24.840 χ^2/NDF:15.5/11

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.261+/-25.824 χ^2/NDF:9.5/9

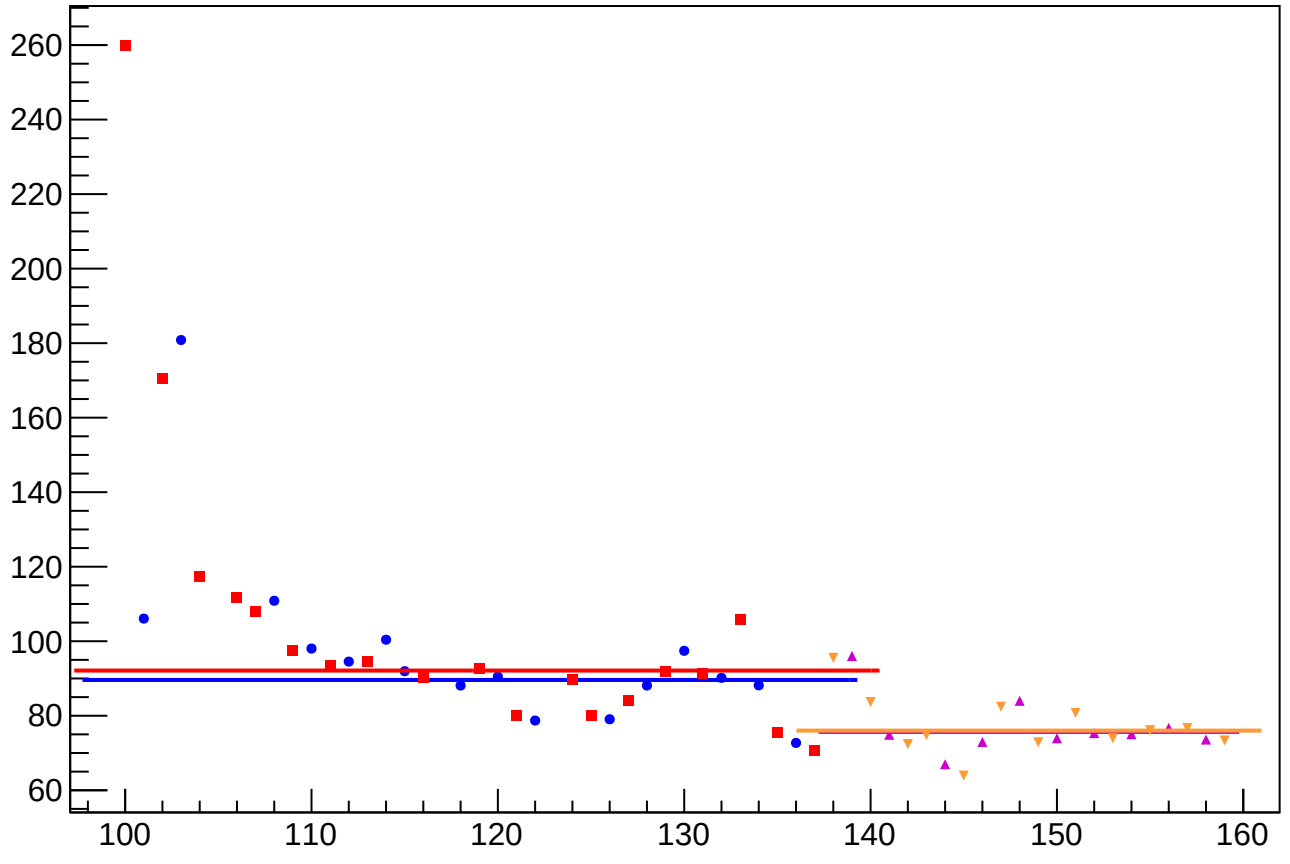
Left: 46.088+/-17.902 χ^2/NDF: 25.9/21

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.986+/-20.628 χ^2/NDF:31.0/25

Out: 44.256+/-20.234 χ^2/NDF:39.2/30

All: 41.181+/-14.445 χ^2/NDF: 70.3/56



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.016+/-0.018 χ^2/NDF:158741.6/11

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

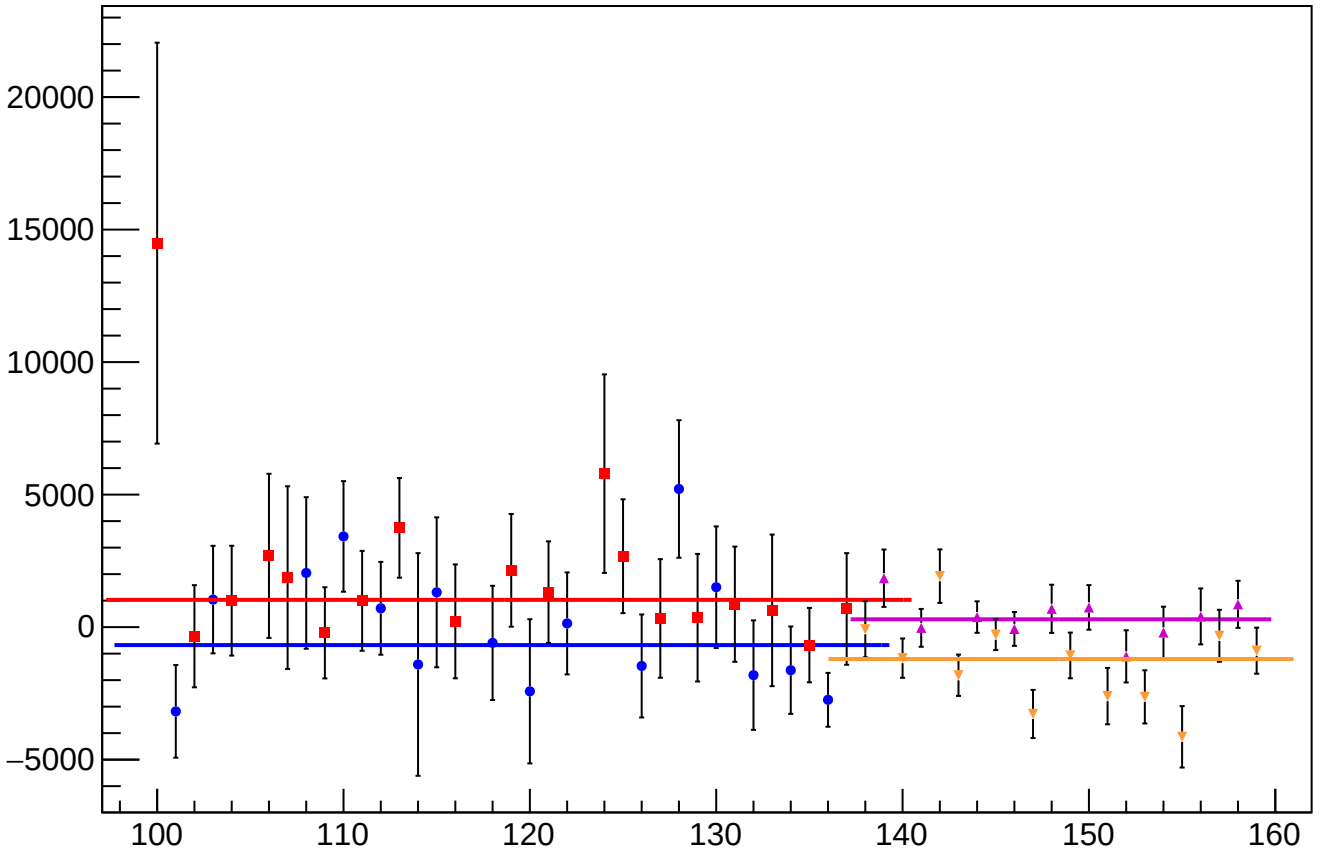
Left: 75.844+/-0.013 χ^2/NDF: 285929.7/21

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.705+/-0.015 χ^2/NDF:836527.9/25

Out: 81.437+/-0.014 χ^2/NDF:982178.3/30

All: 81.078+/-0.010 χ^2/NDF: 1819991.8/56



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1203.774+/-251.293 χ^2/NDF:30.2/11

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 295.411+/-258.385 χ^2/NDF:5.8/9

Left: -475.040+/-180.146 χ^2/NDF: 53.3/21

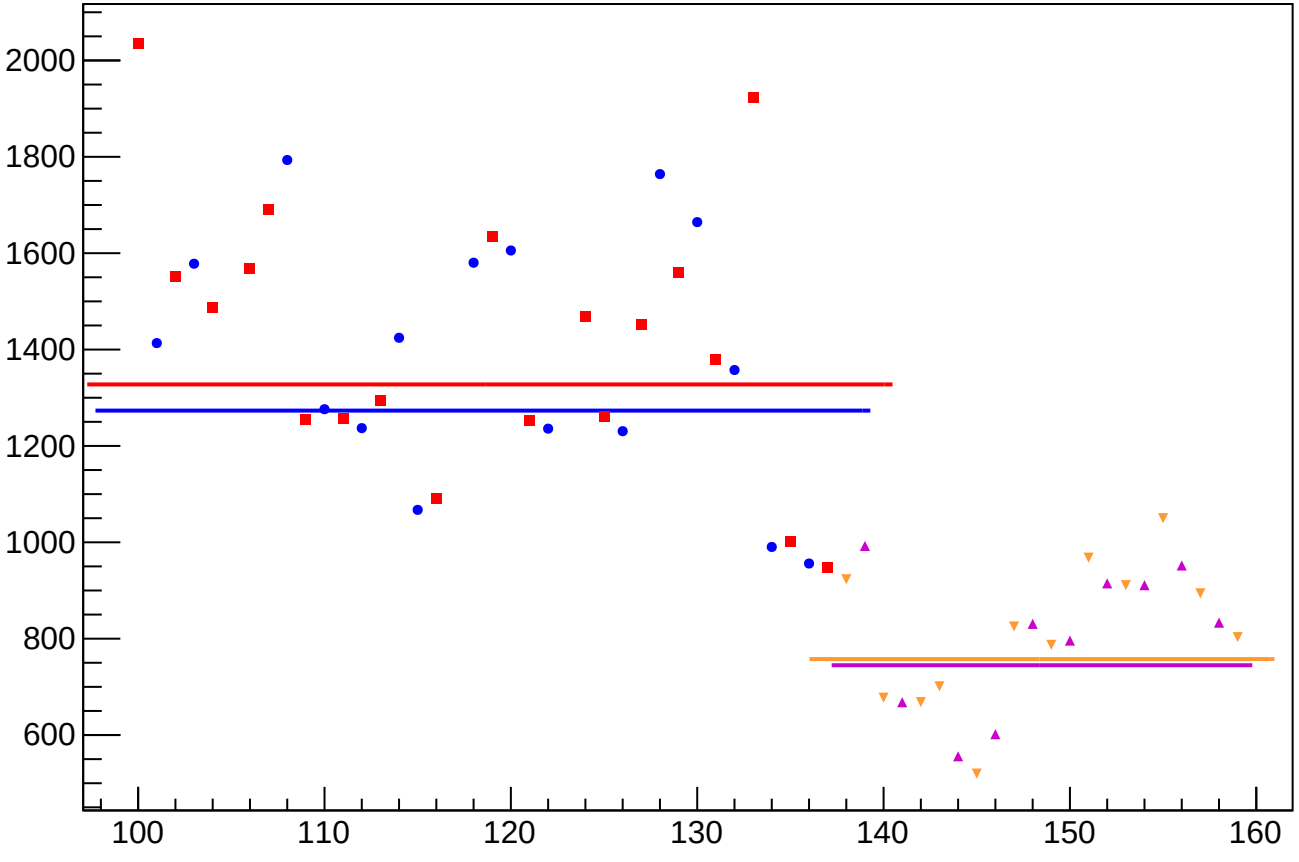
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 81.376+/-228.196 χ^2/NDF:29.2/25

Out: -749.126+/-224.258 χ^2/NDF:57.2/30

All: -341.101+/-159.948 χ^2/NDF: 93.1/56

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: 757.652+/-0.178 χ^2/NDF:742251.1/11

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

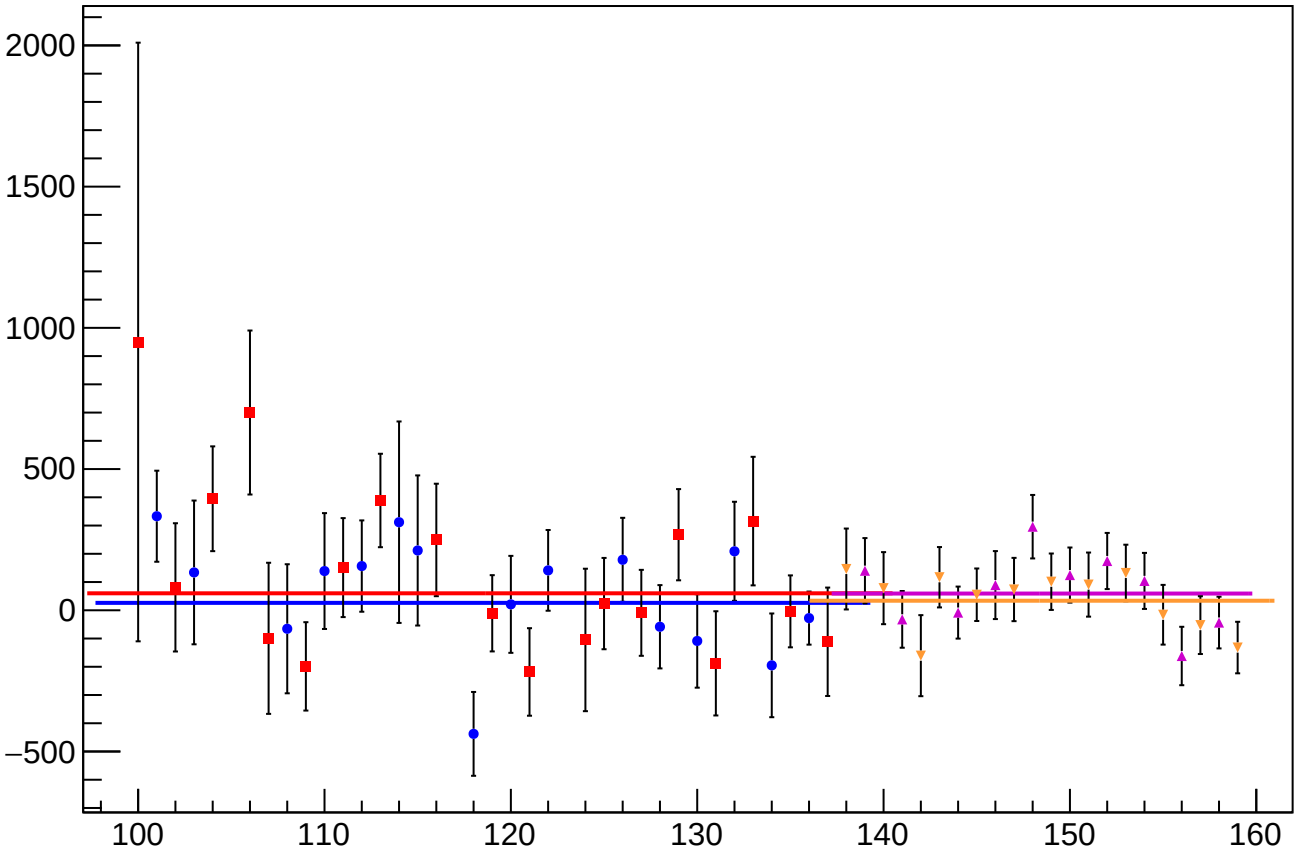
Left: 751.456+/-0.127 χ^2/NDF: 1415158.8/21

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 861.173+/-0.161 χ^2/NDF:3108463.4/25

Out: 873.699+/-0.159 χ^2/NDF:3295746.6/30

All: 867.545+/-0.113 χ^2/NDF: 6407275.4/56



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 33.831+/-31.244 χ^2/NDF:9.3/11

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 59.245+/-32.262 χ^2/NDF:14.2/9

Left: 46.131+/-22.444 χ^2/NDF: 23.8/21

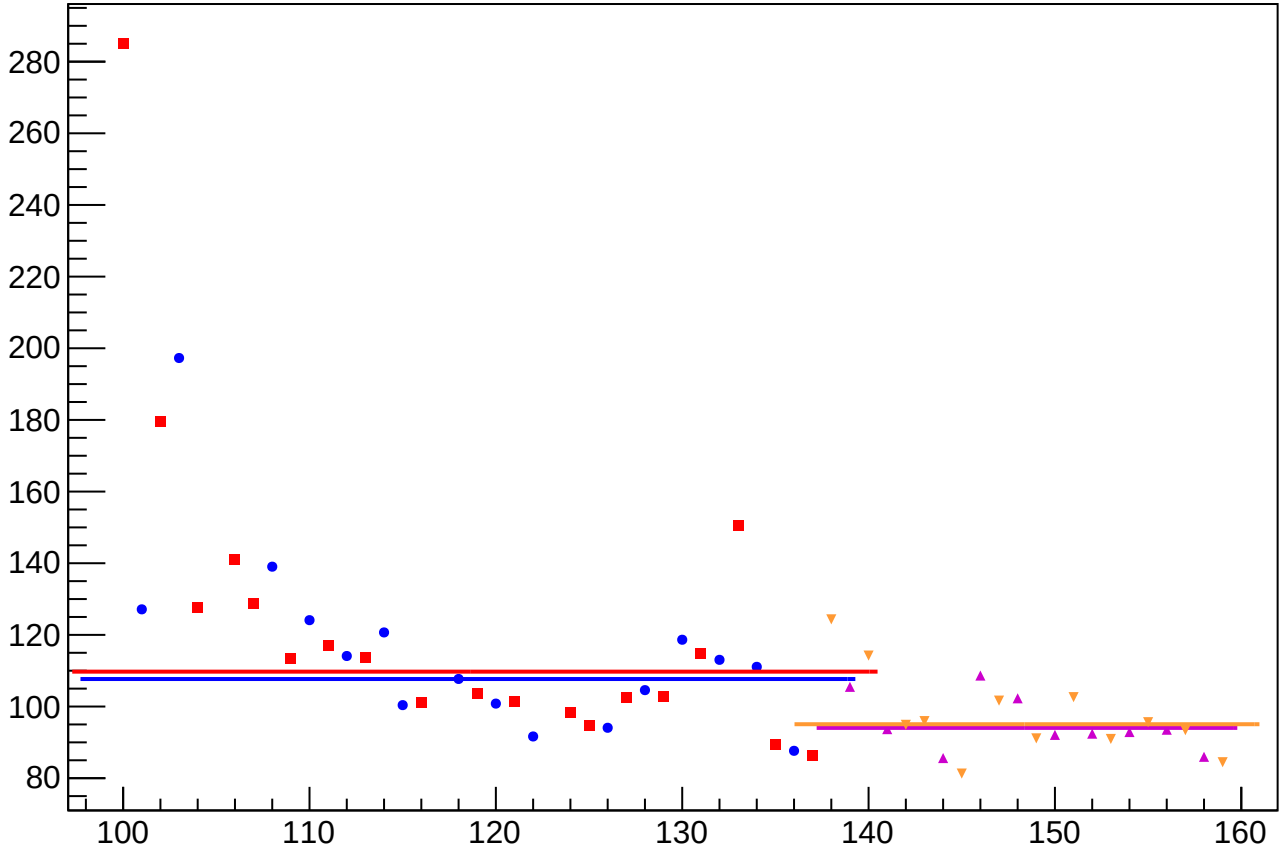
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 46.711+/-25.406 χ^2/NDF:35.9/25

Out: 43.333+/-24.967 χ^2/NDF:36.5/30

All: 44.993+/-17.807 χ^2/NDF: 72.5/56

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.064+/-0.022 χ^2/NDF:222570.7/11

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.039+/-0.023 χ^2/NDF:93812.7/9

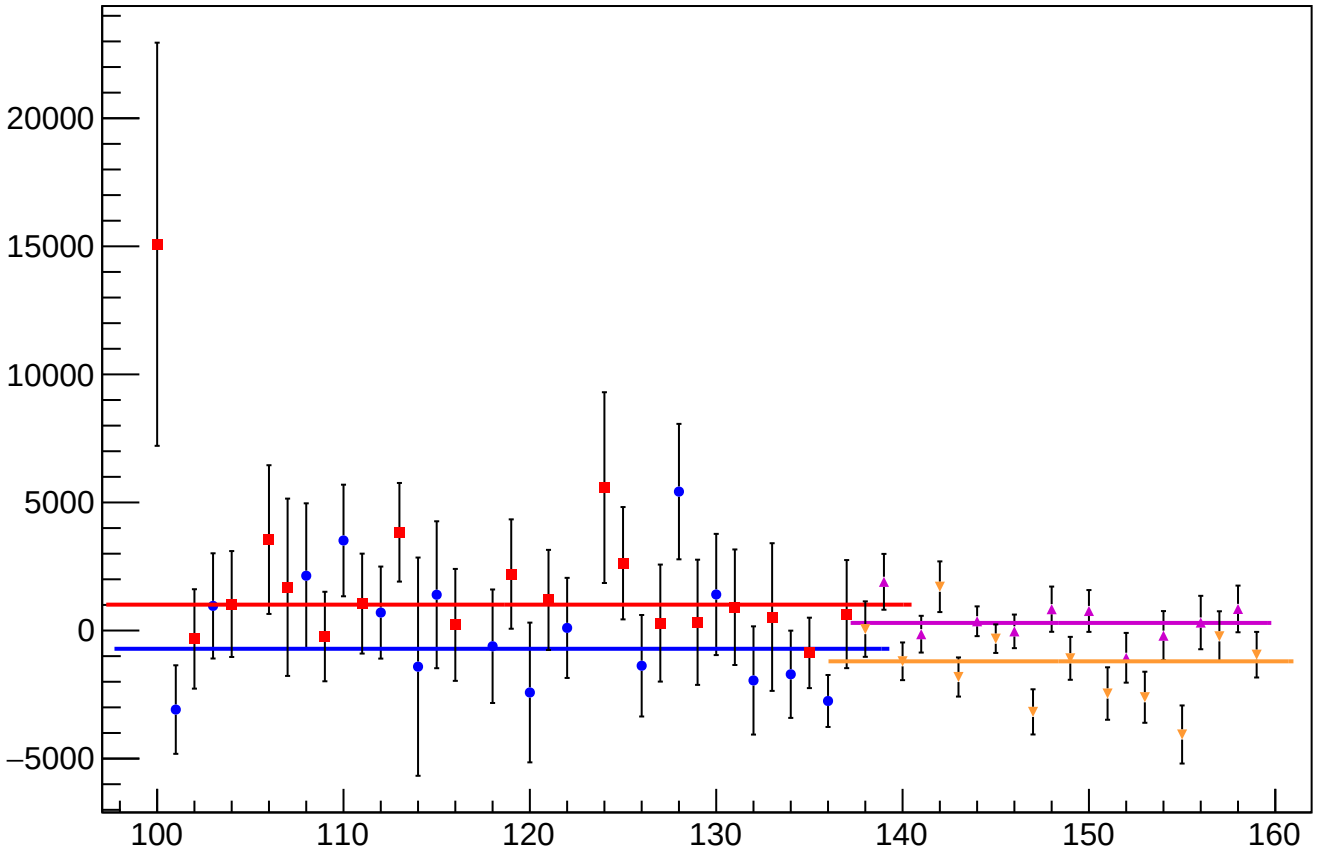
Left: 94.568+/-0.016 χ^2/NDF: 317423.8/21

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.221+/-0.018 χ^2/NDF:712751.1/25

Out: 100.368+/-0.018 χ^2/NDF:873845.3/30

All: 99.805+/-0.013 χ^2/NDF: 1588670.6/56



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1202.322+/-246.824 χ^2/NDF:29.1/11

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 297.090+/-257.134 χ^2/NDF:6.1/9

Left: -483.277+/-178.064 χ^2/NDF: 52.9/21

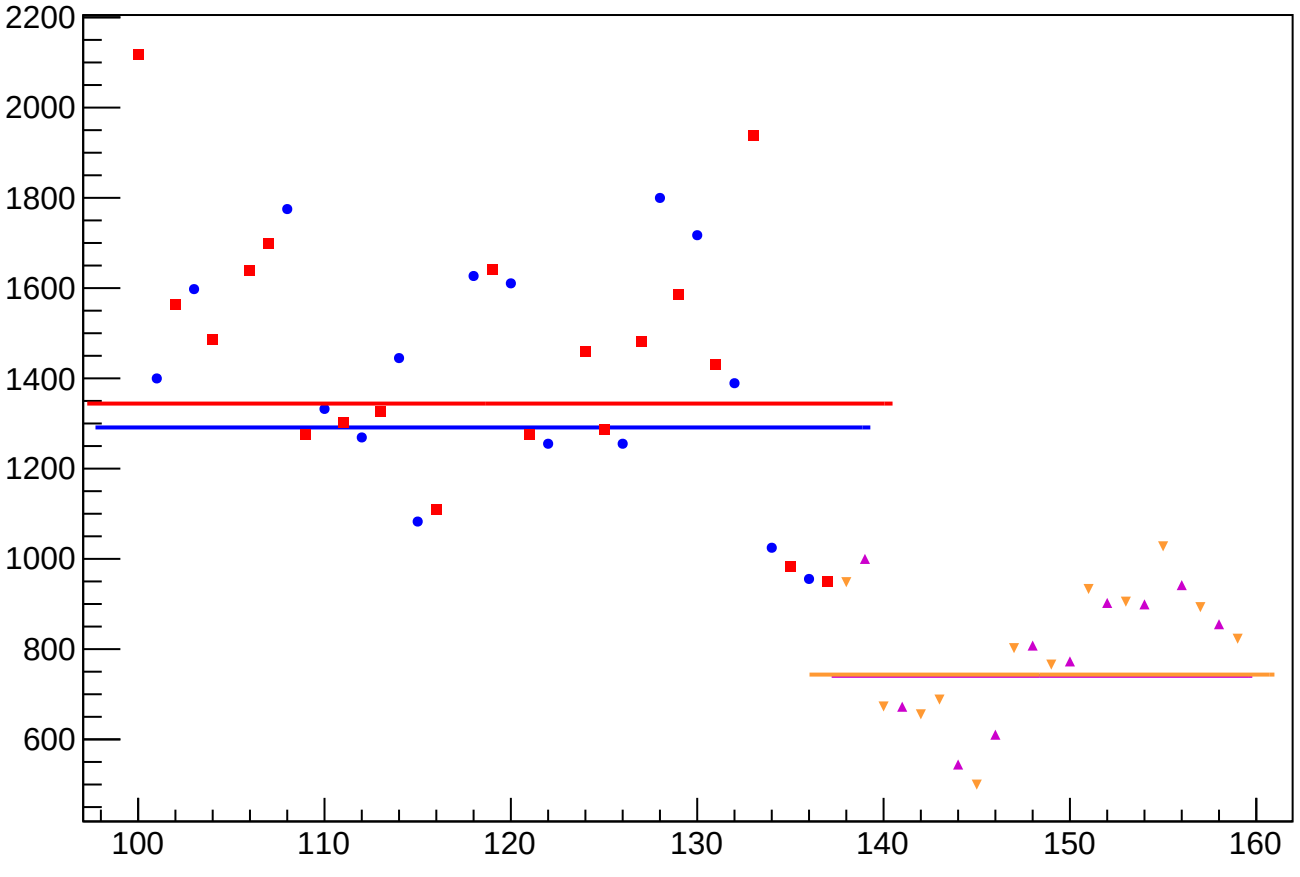
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 81.272+/-228.012 χ^2/NDF:29.5/25

Out: -770.639+/-221.445 χ^2/NDF:56.6/30

All: -357.128+/-158.856 χ^2/NDF: 93.2/56

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: 743.576+/-0.175 χ^2/NDF:819490.1/11

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 740.820+/-0.182 χ^2/NDF:669346.8/9

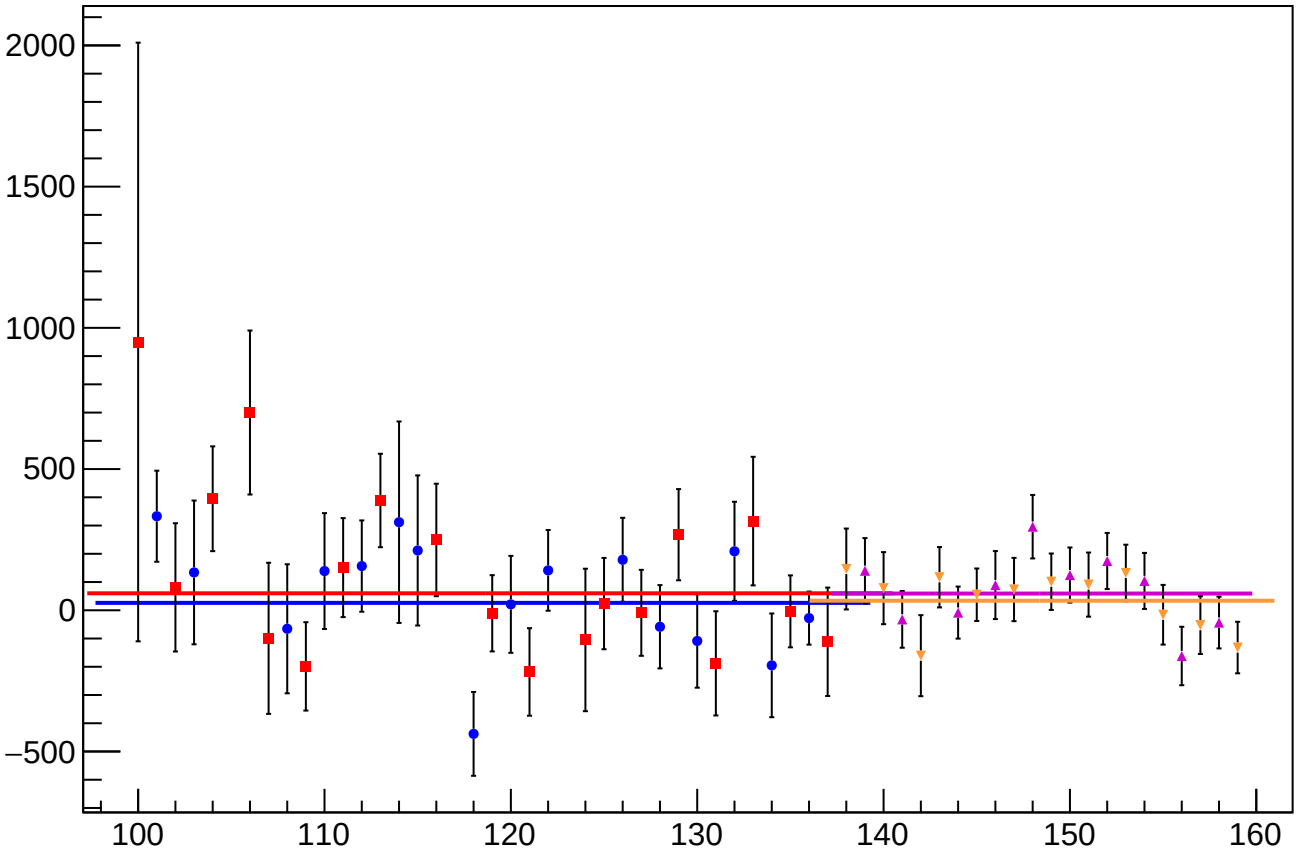
Left: 742.254+/-0.126 χ^2/NDF: 1488956.4/21

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 858.433+/-0.161 χ^2/NDF:3238406.3/25

Out: 860.728+/-0.157 χ^2/NDF:3620113.1/30

All: 859.614+/-0.112 χ^2/NDF: 6858623.6/56



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 33.832+/-31.244 χ^2/NDF:9.3/11

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 59.244+/-32.262 χ^2/NDF:14.2/9

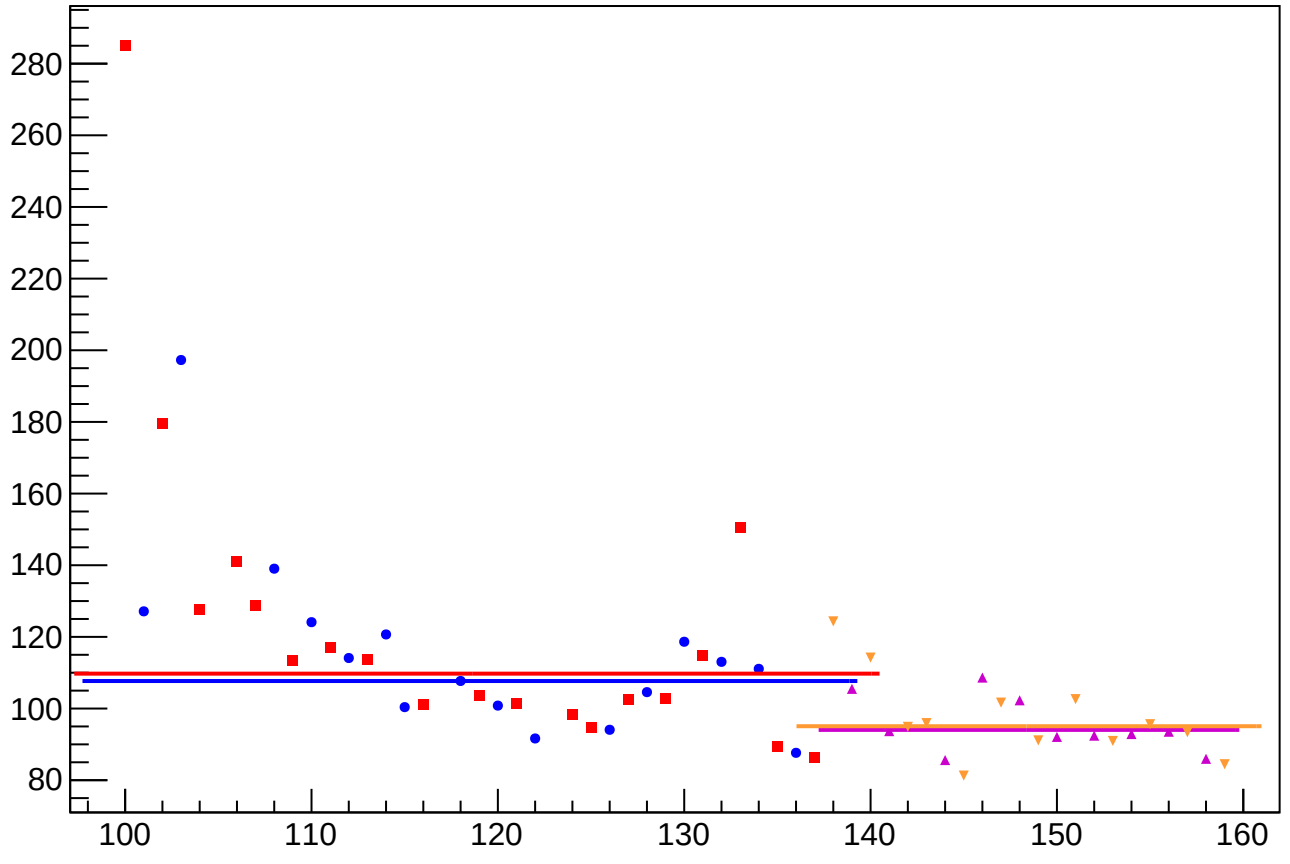
Left: 46.131+/-22.444 χ^2/NDF: 23.8/21

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

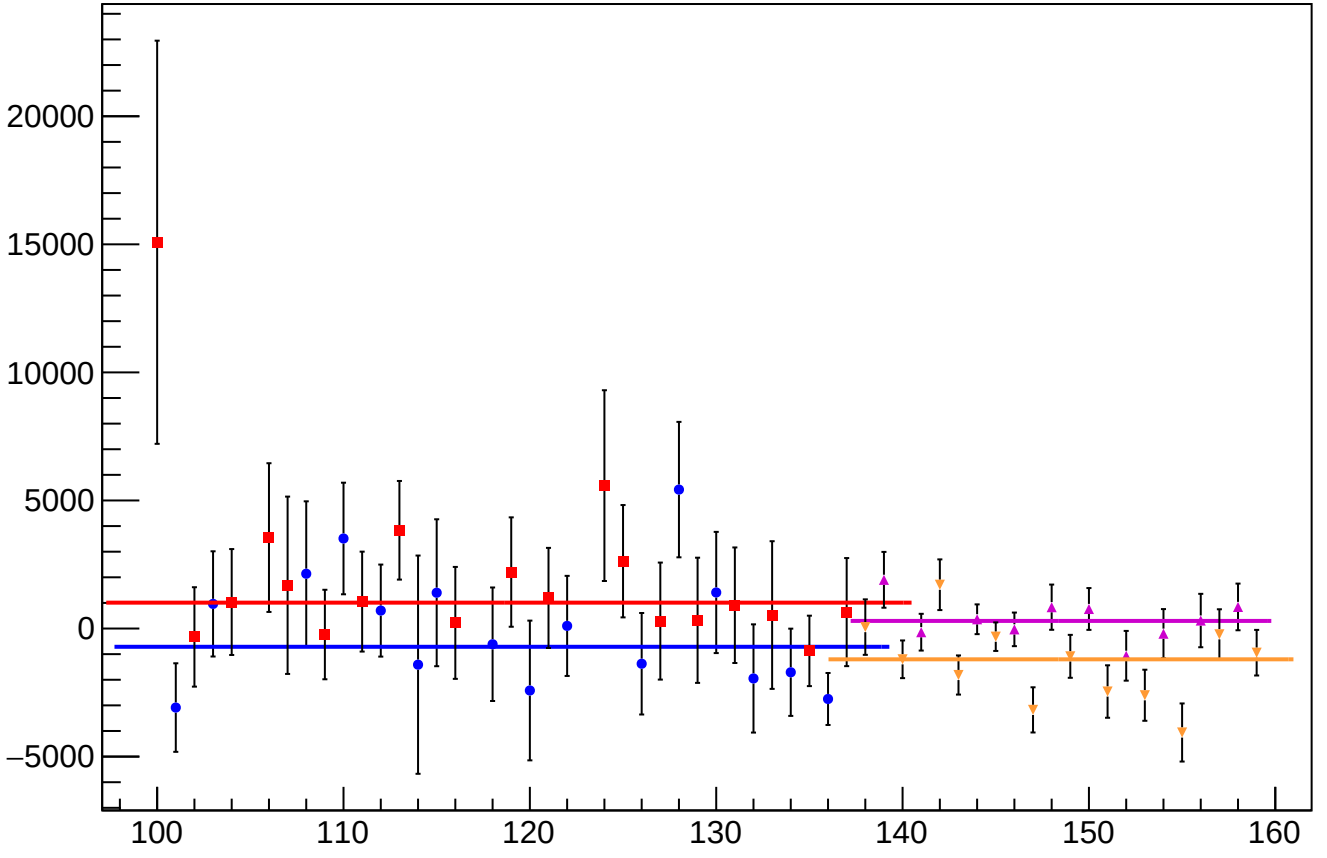
In: 46.711+/-25.406 χ^2/NDF:35.9/25

Out: 43.333+/-24.967 χ^2/NDF:36.5/30

All: 44.993+/-17.807 χ^2/NDF: 72.5/56


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
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 95.064+/-0.022 χ²/NDF:222562.8/11
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 94.040+/-0.023 χ²/NDF:93813.3/9
Left: 94.568+/-0.016 χ²/NDF: 317416.6/21
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 99.221+/-0.018 χ²/NDF:712717.8/25
Out: 100.368+/-0.018 χ²/NDF:873813.1/30
All: 99.805+/-0.013 χ²/NDF: 1588605.5/56

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: -1202.320+/-246.824 χ^2/NDF:29.1/11

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 297.089+/-257.134 χ^2/NDF:6.1/9

Left: -483.276+/-178.064 χ^2/NDF: 52.9/21

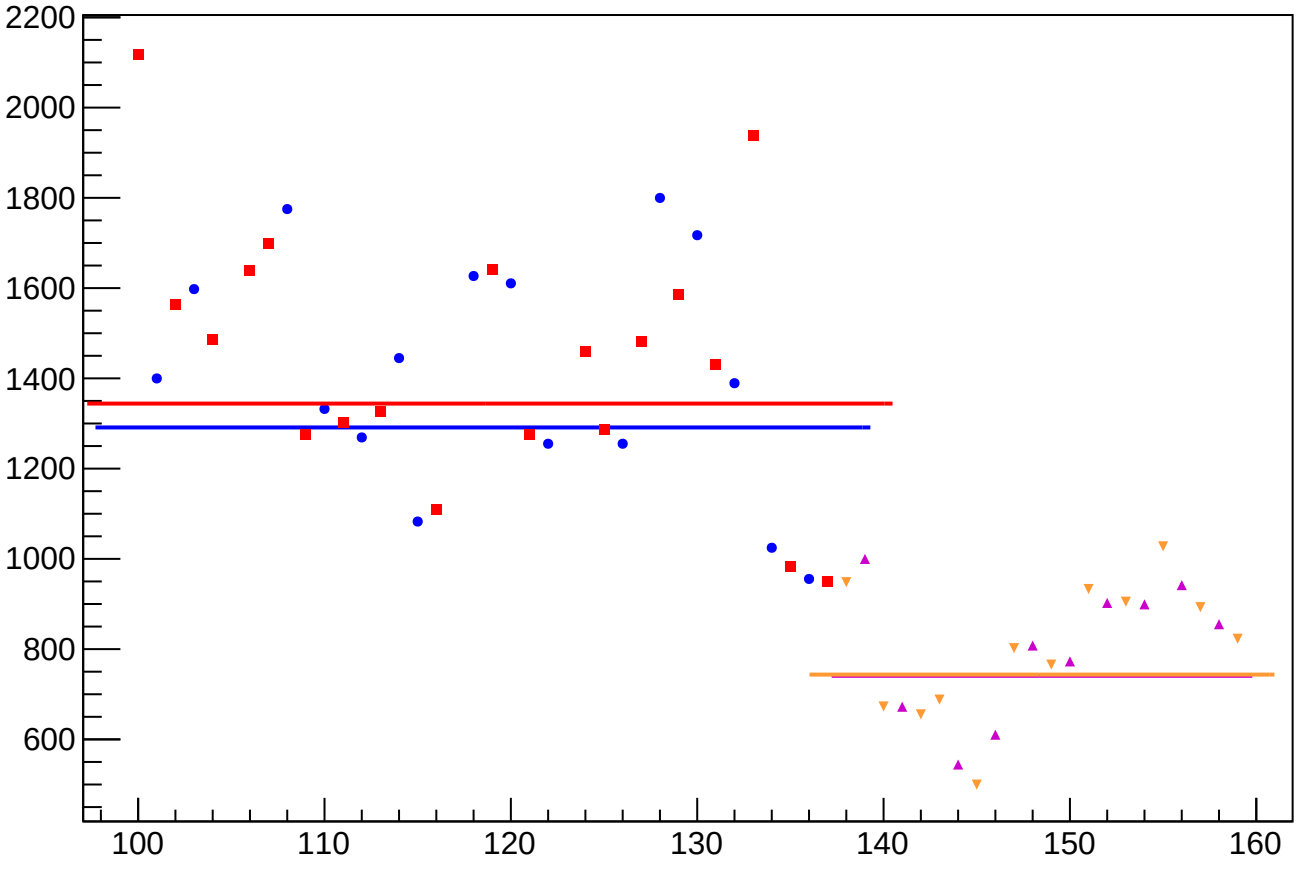
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 81.272+/-228.012 χ^2/NDF:29.5/25

Out: -770.637+/-221.444 χ^2/NDF:56.6/30

All: -357.128+/-158.856 χ^2/NDF: 93.2/56

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: 743.574+/-0.175 χ^2/NDF:819498.0/11

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 740.819+/-0.182 χ^2/NDF:669347.1/9

Left: 742.253+/-0.126 χ^2/NDF: 1488964.7/21

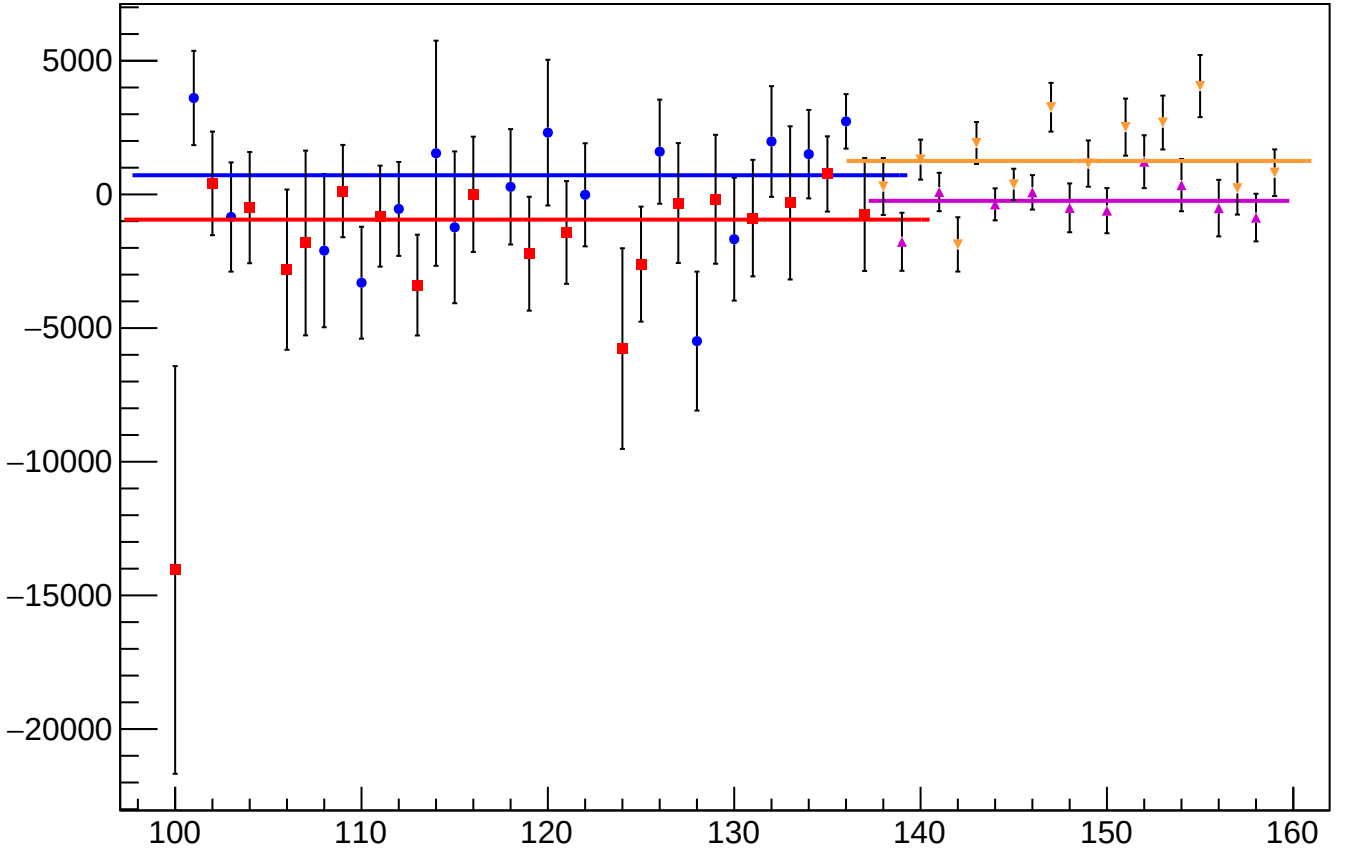
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 858.432+/-0.161 χ^2/NDF:3238399.1/25

Out: 860.726+/-0.157 χ^2/NDF:3620119.0/30

All: 859.613+/-0.112 χ^2/NDF: 6858622.3/56

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1253.148+/-252.691 χ^2/NDF:28.7/11

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -240.012+/-259.854 χ^2/NDF:5.9/9

Left: 527.432+/-181.159 χ^2/NDF: 51.5/21

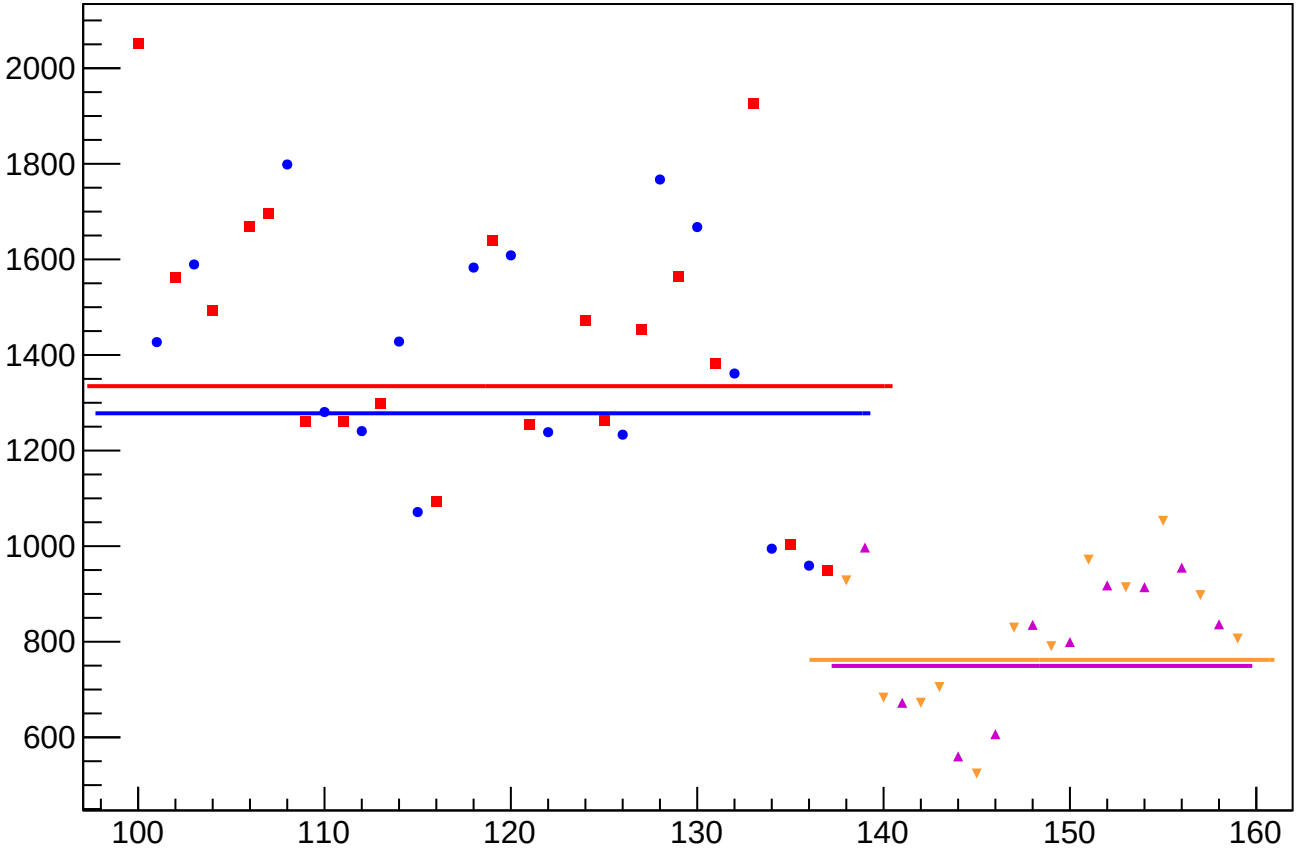
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -28.627+/-229.388 χ^2/NDF:29.8/25

Out: 803.703+/-225.346 χ^2/NDF:54.7/30

All: 394.936+/-160.754 χ^2/NDF: 91.3/56

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 762.112+/-0.179 χ^2/NDF:730835.7/11

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 749.395+/-0.184 χ^2/NDF:659724.3/9

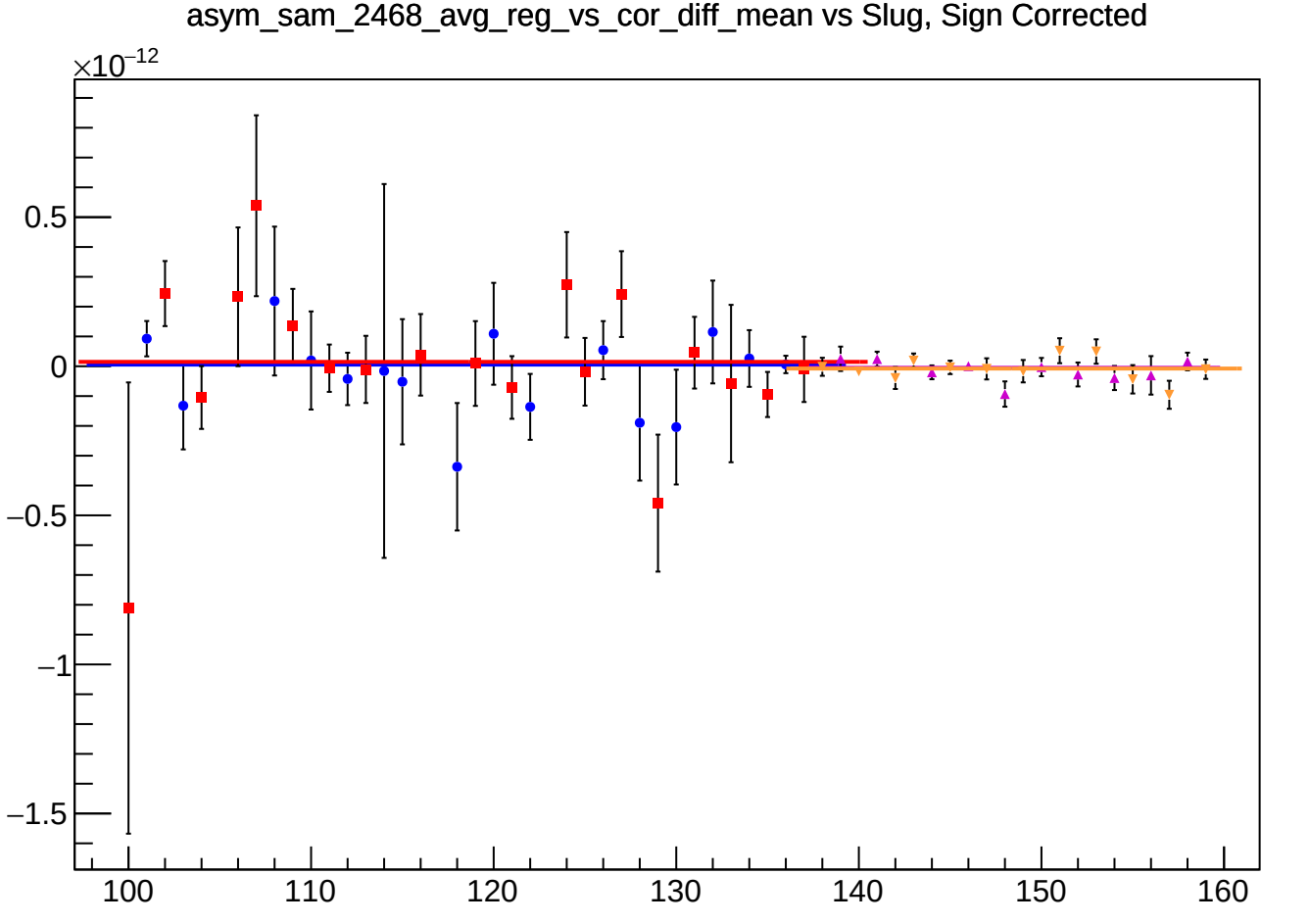
Left: 755.931+/-0.128 χ^2/NDF: 1393021.8/21

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 866.074+/-0.162 χ^2/NDF:3084132.0/25

Out: 879.345+/-0.159 χ^2/NDF:3305554.0/30

All: 872.827+/-0.114 χ^2/NDF: 6393092.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/9

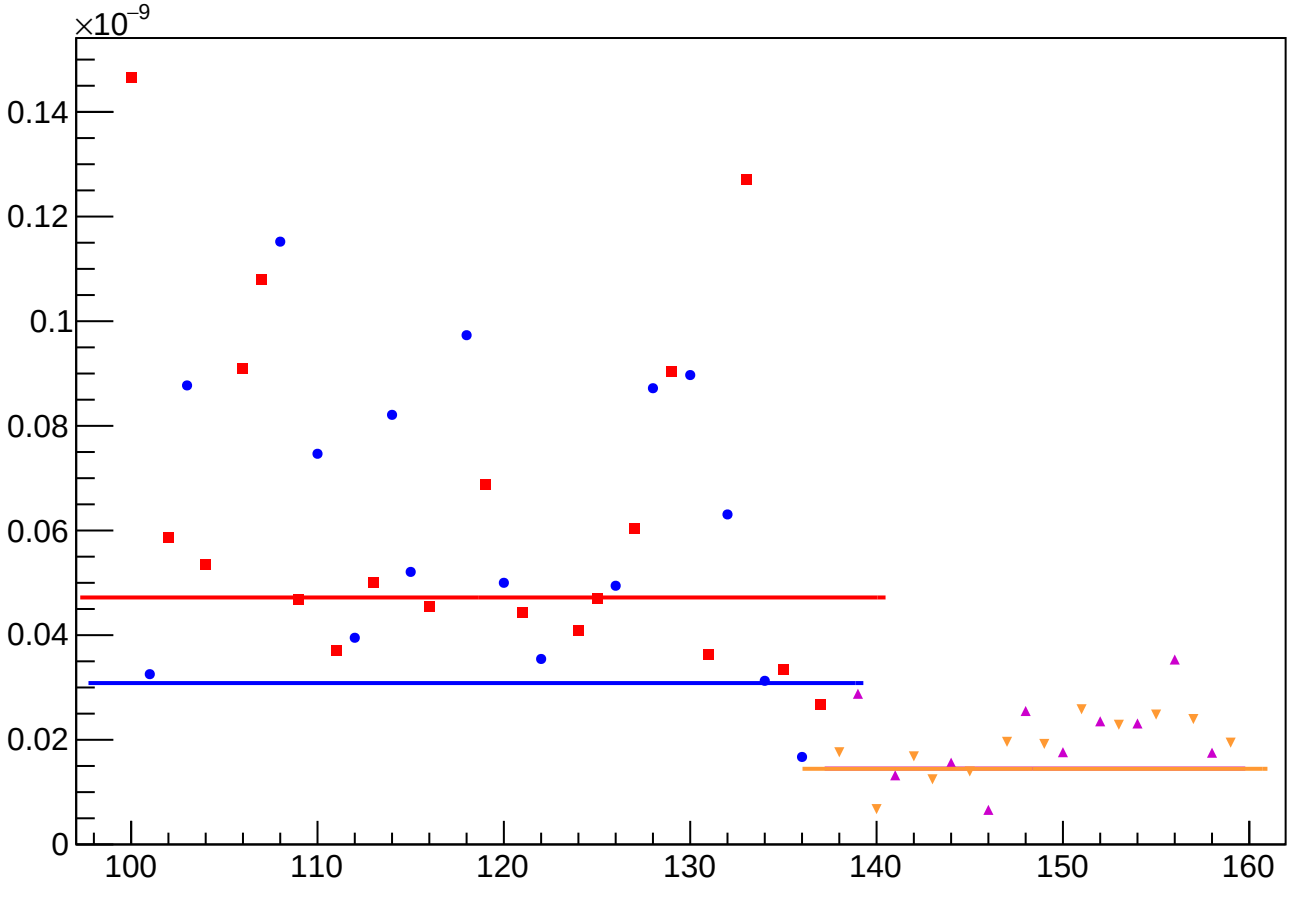
Left: -0.000+/-0.000 χ^2/NDF: 19.1/21

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:20.3/25

Out: -0.000+/-0.000 χ^2/NDF:34.9/30

All: -0.000+/-0.000 χ^2/NDF: 55.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1089003.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1419382.0/9

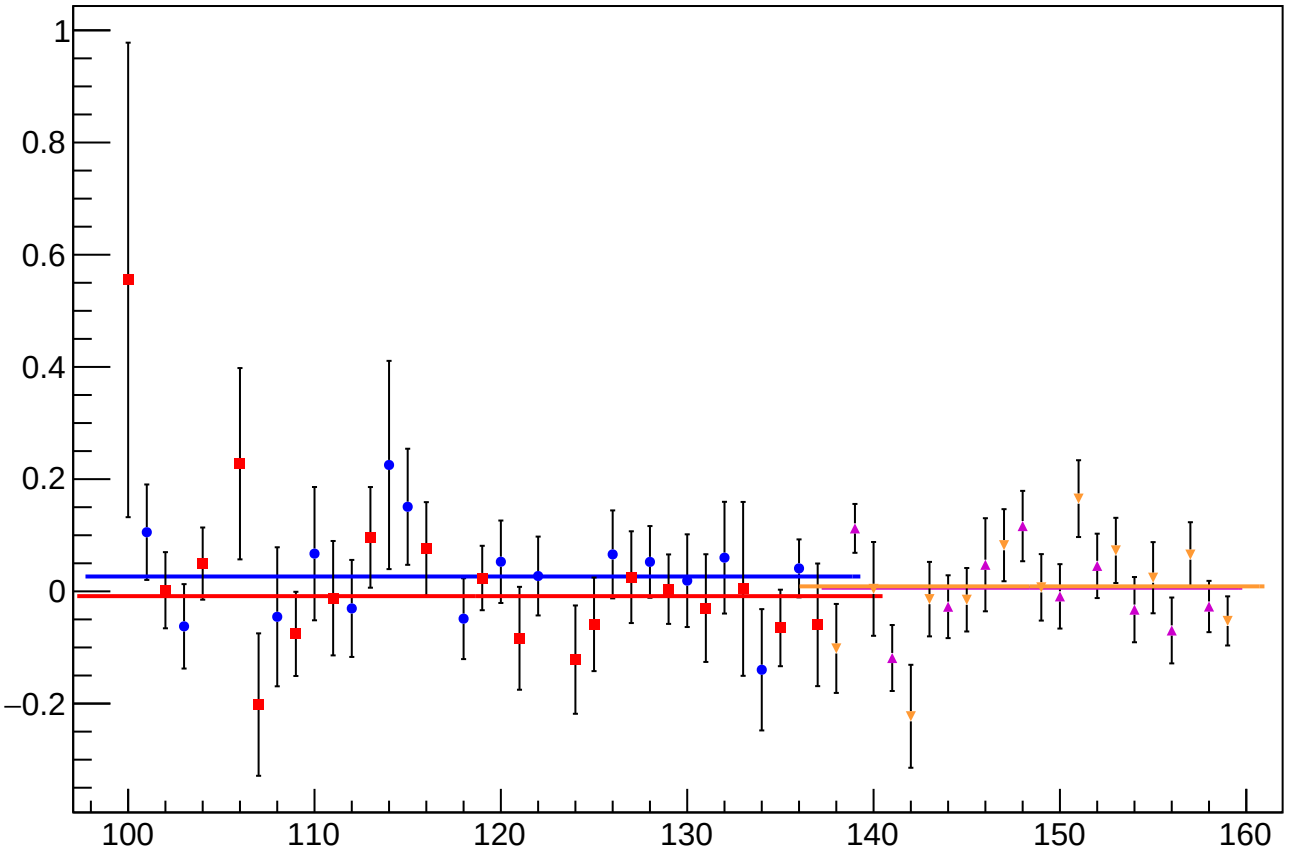
Left: 0.000+/-0.000 χ^2/NDF: 2508412.1/21

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4317227.7/25

Out: 0.000+/-0.000 χ^2/NDF:4223850.1/30

All: 0.000+/-0.000 χ^2/NDF: 8541702.3/56



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

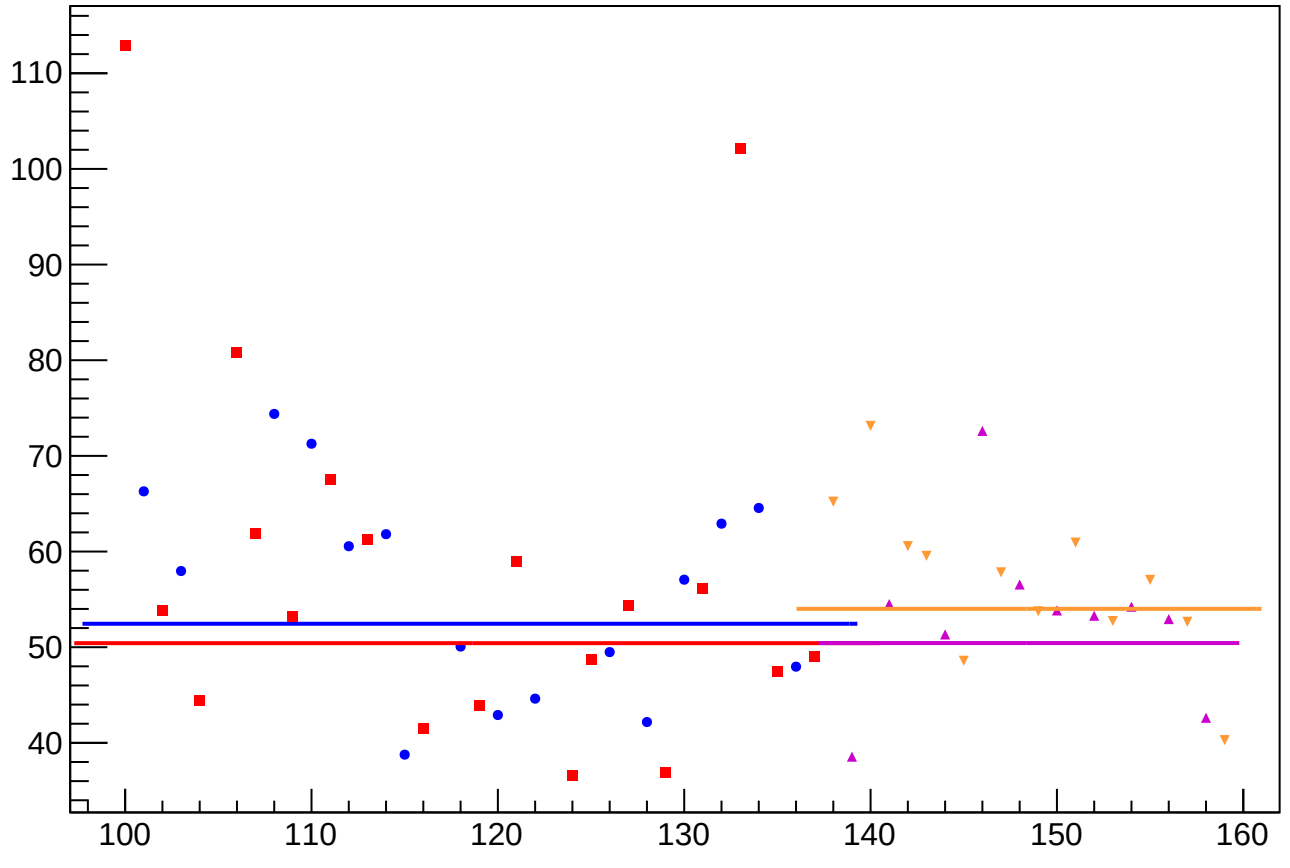
Left: 0.008+/-0.013 χ^2/NDF: 36.7/21

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.008+/-0.009 χ^2/NDF: 62.1/56



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.011+/-0.013 χ^2/NDF:417666.7/11

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

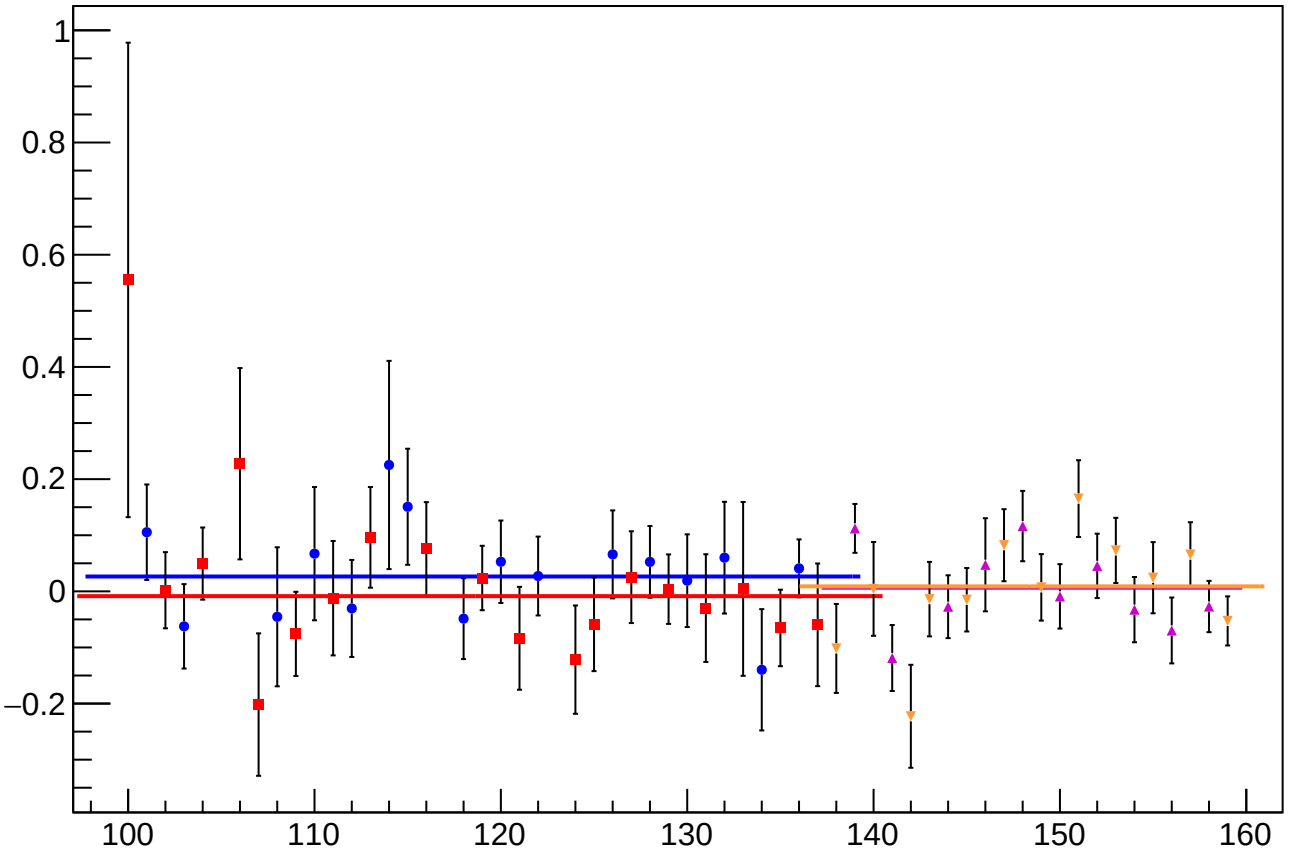
Left: 52.183+/-0.009 χ^2/NDF: 861300.2/21

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.298+/-0.009 χ^2/NDF:832696.1/25

Out: 52.353+/-0.009 χ^2/NDF:1130925.7/30

All: 51.830+/-0.007 χ^2/NDF: 1969915.6/56



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

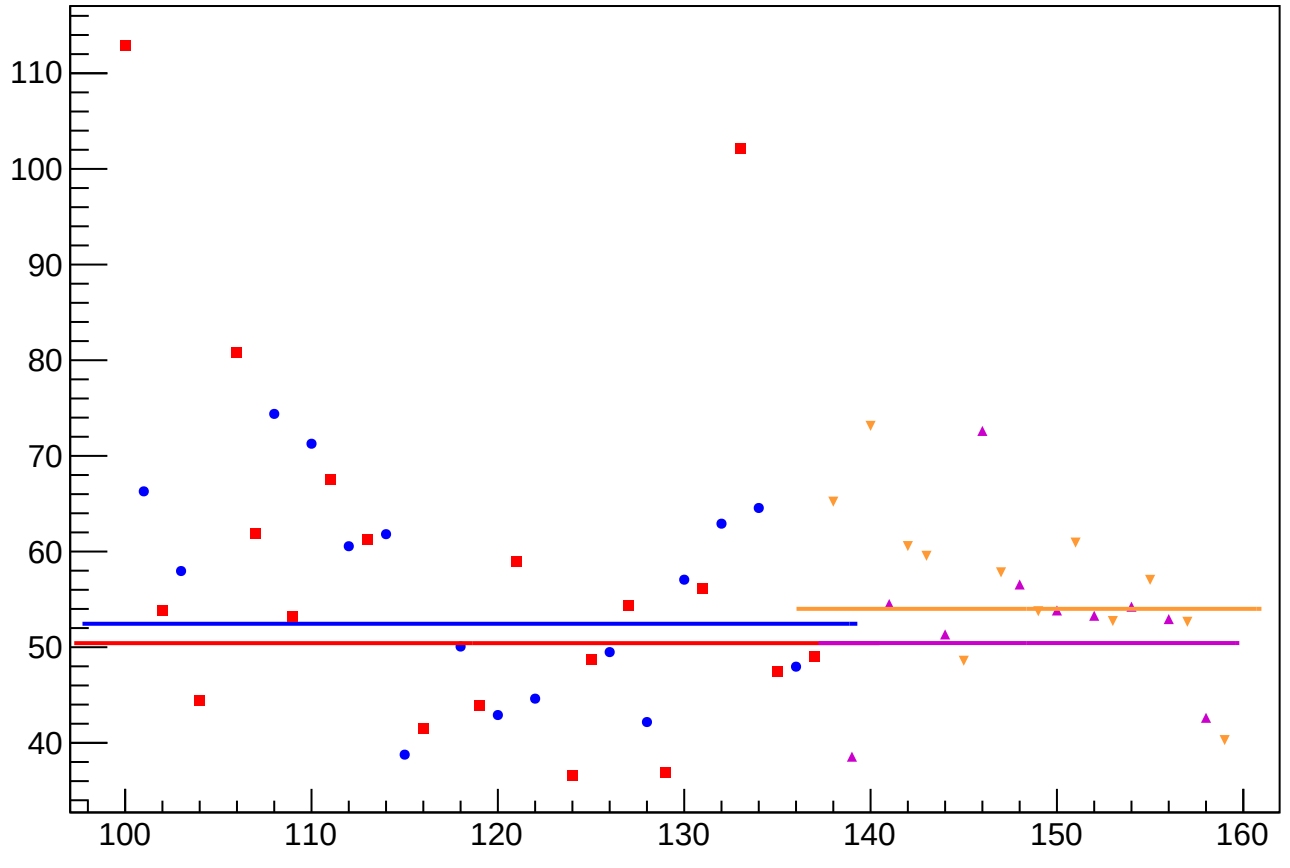
Left: 0.008+/-0.013 χ^2/NDF: 36.7/21

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.008+/-0.009 χ^2/NDF: 62.1/56



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.011+/-0.013 χ^2/NDF:417666.7/11

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

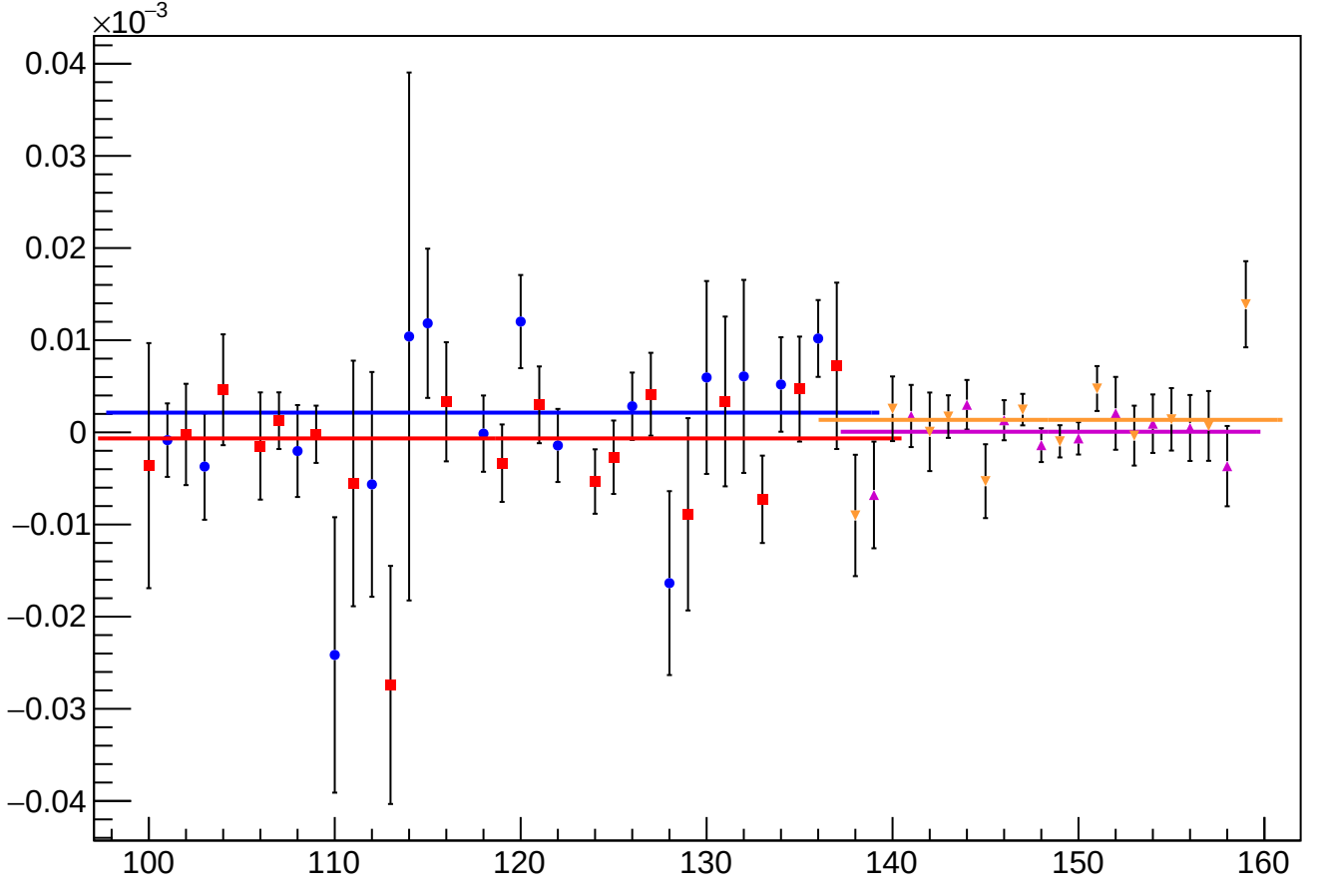
Left: 52.183+/-0.009 χ^2/NDF: 861300.2/21

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.298+/-0.009 χ^2/NDF:832696.1/25

Out: 52.353+/-0.009 χ^2/NDF:1130925.7/30

All: 51.830+/-0.007 χ^2/NDF: 1969915.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/9

Left: 0.000+/-0.000 χ^2/NDF: 23.4/21

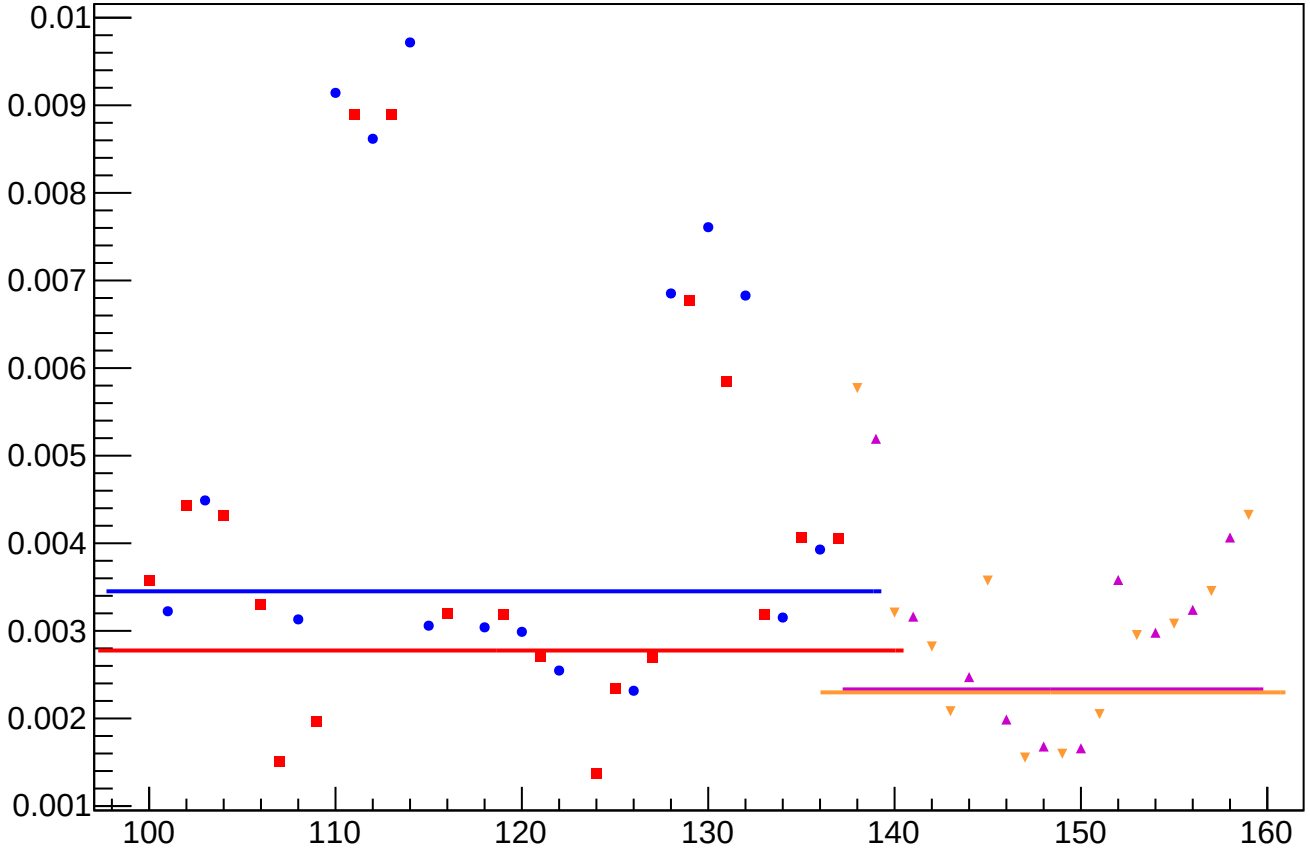
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.7/25

Out: 0.000+/-0.000 χ^2/NDF:34.0/30

All: 0.000+/-0.000 χ^2/NDF: 60.8/56

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2414278.7/11

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1940895.2/9

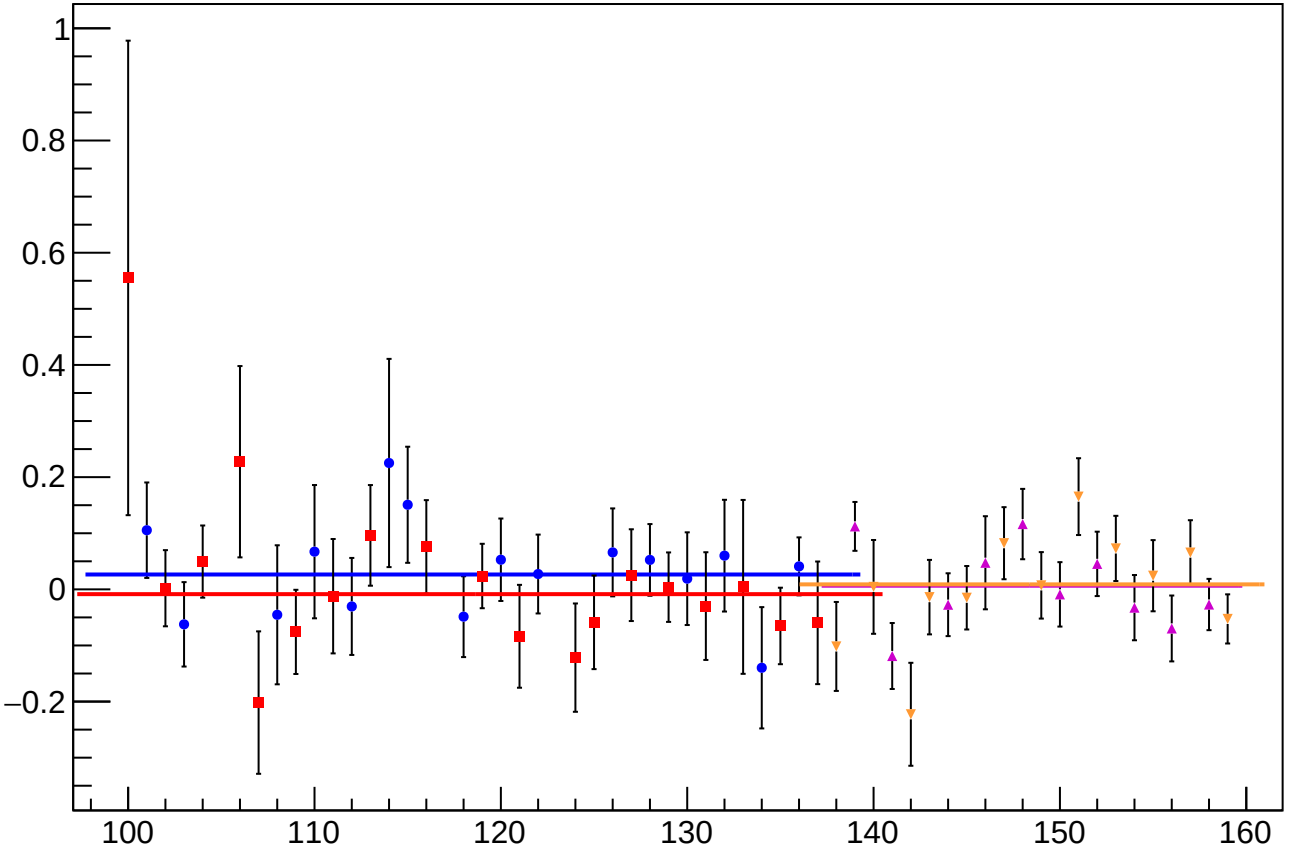
Left: 0.002+/-0.000 χ^2/NDF: 4356845.8/21

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4841193.8/25

Out: 0.002+/-0.000 χ^2/NDF:5381630.4/30

All: 0.003+/-0.000 χ^2/NDF: 10292463.2/56



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

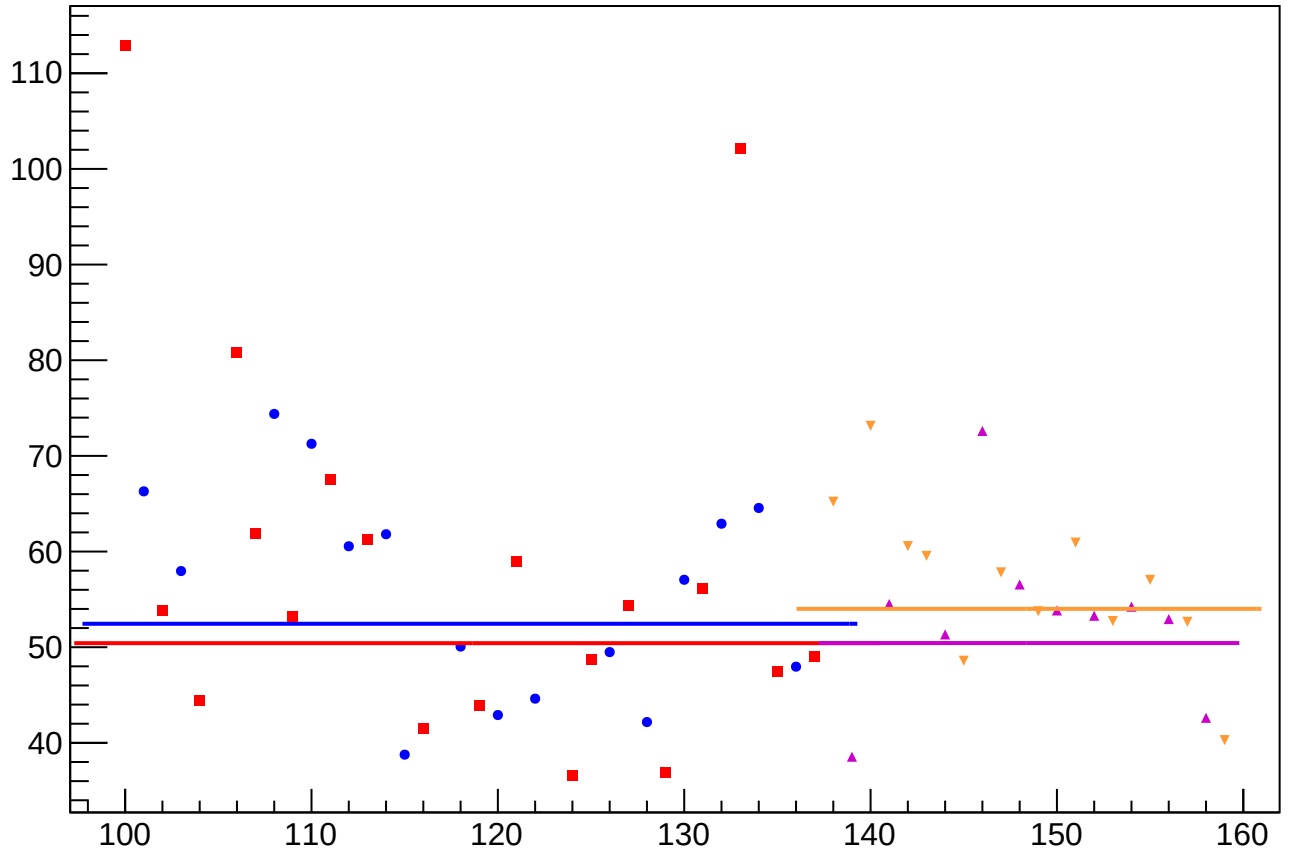
Left: 0.008+/-0.013 χ^2/NDF: 36.7/21

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.008+/-0.009 χ^2/NDF: 62.1/56



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.012+/-0.013 χ^2/NDF:417679.4/11

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

Left: 52.183+/-0.009 χ^2/NDF: 861386.8/21

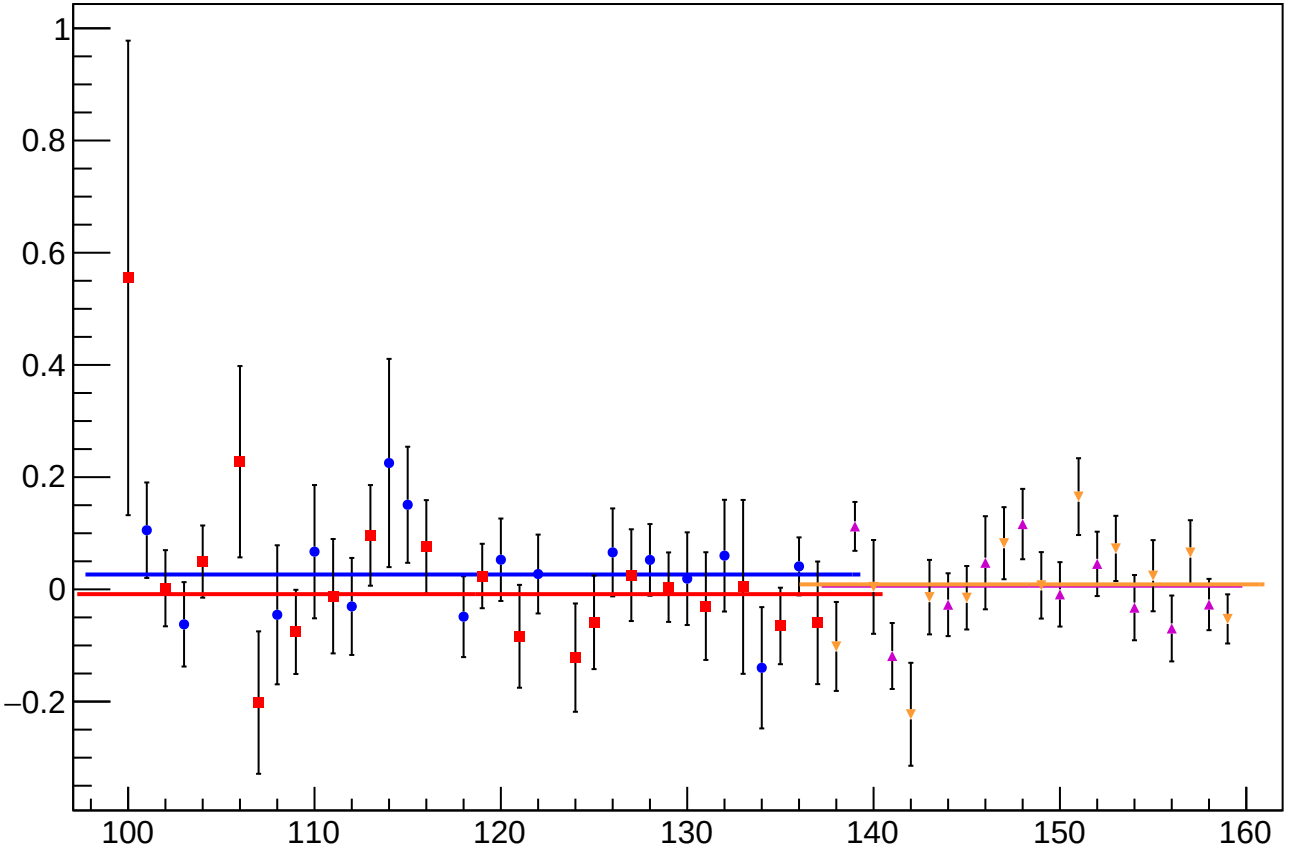
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.298+/-0.009 χ^2/NDF:832702.5/25

Out: 52.353+/-0.009 χ^2/NDF:1130976.7/30

All: 51.829+/-0.007 χ^2/NDF: 1969973.9/56

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: 0.009+/-0.018 χ^2/NDF:19.3/11

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

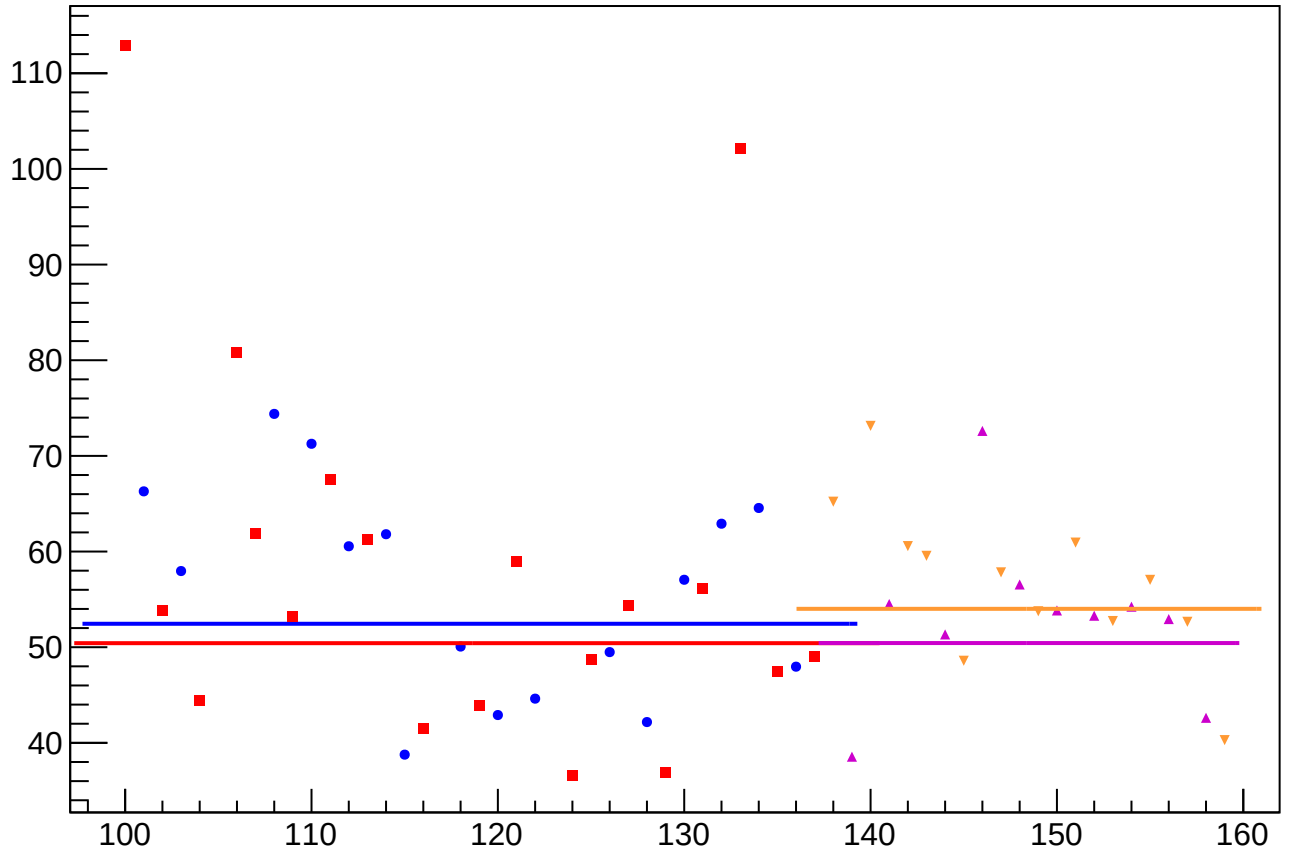
Left: 0.008+/-0.013 χ^2/NDF: 36.7/21

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.008+/-0.009 χ^2/NDF: 62.1/56



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.012+/-0.013 χ^2/NDF:417679.4/11

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

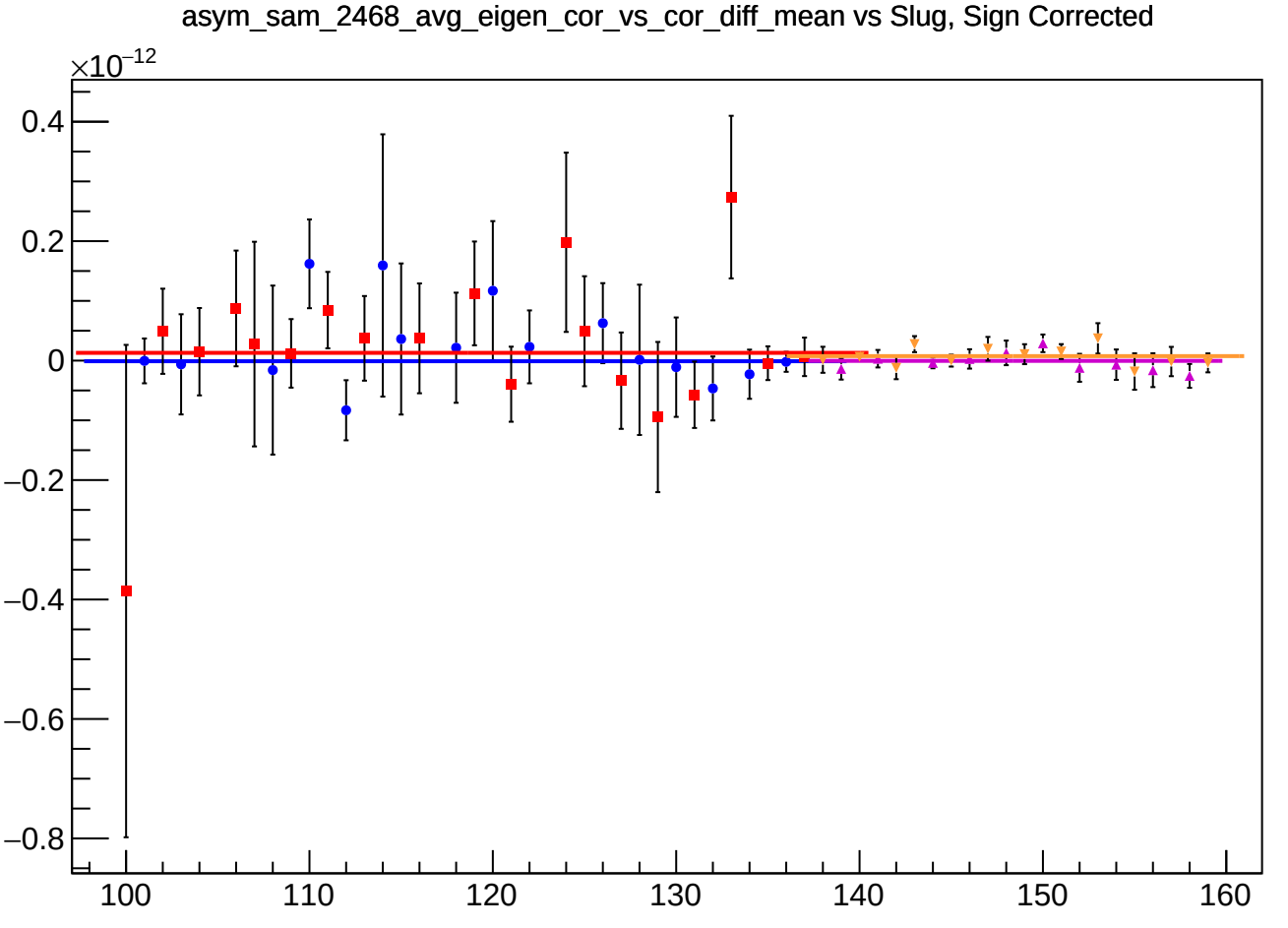
Left: 52.183+/-0.009 χ^2/NDF: 861386.8/21

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.298+/-0.009 χ^2/NDF:832702.5/25

Out: 52.353+/-0.009 χ^2/NDF:1130976.7/30

All: 51.829+/-0.007 χ^2/NDF: 1969973.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/9

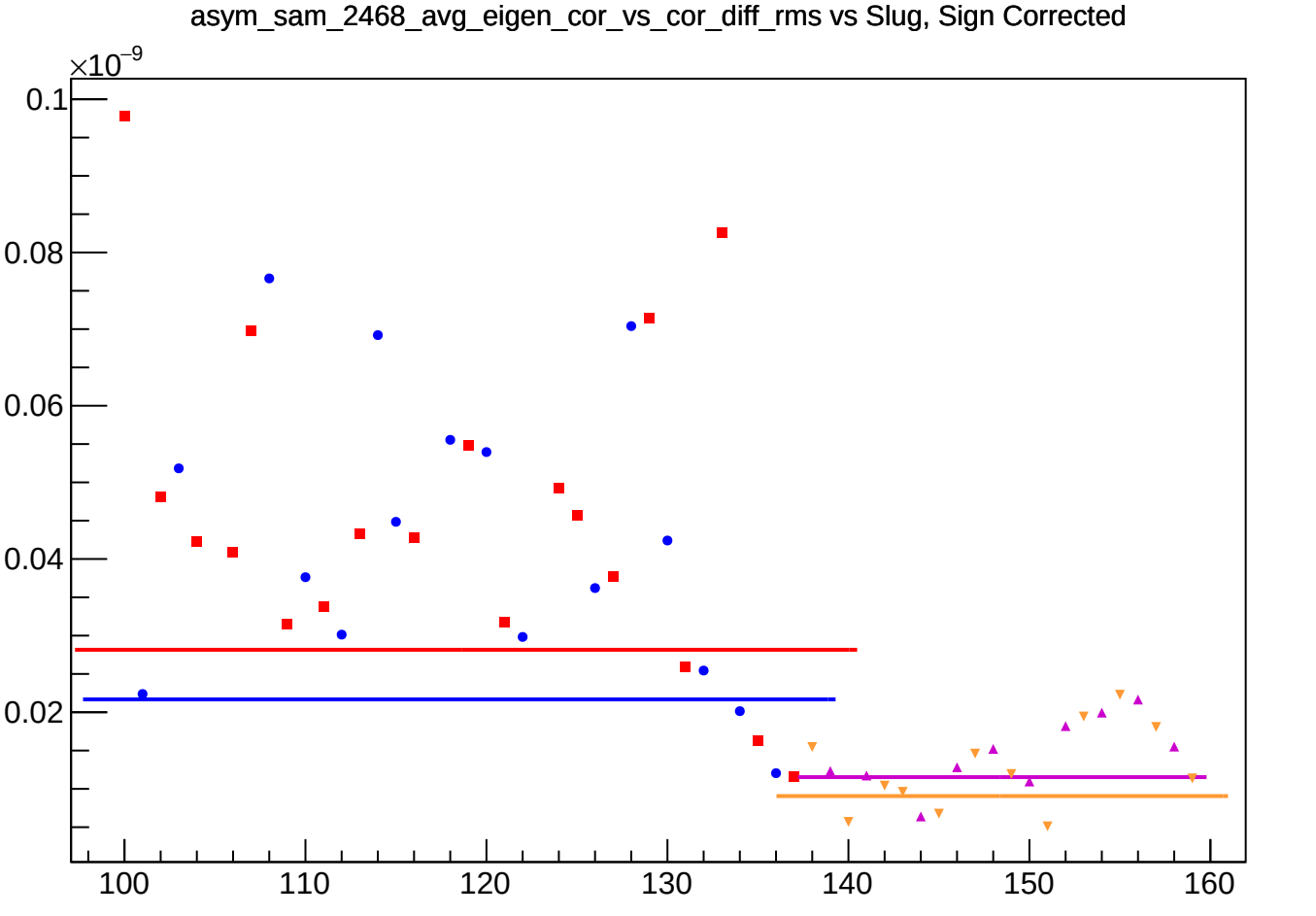
Left: 0.000+/-0.000 χ^2/NDF: 16.3/21

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:18.7/25

Out: 0.000+/-0.000 χ^2/NDF:21.3/30

All: 0.000+/-0.000 χ^2/NDF: 41.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2070956.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1440063.1/9

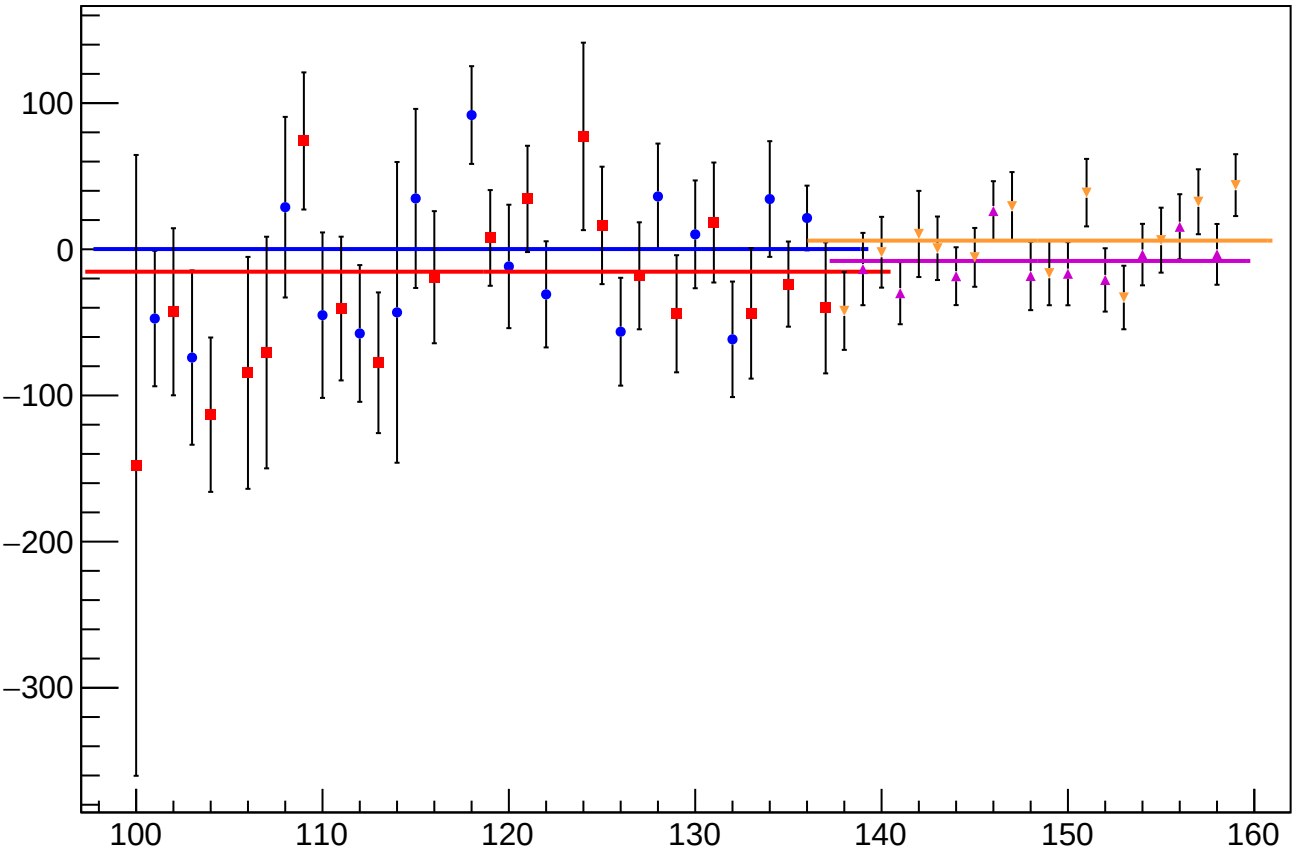
Left: 0.000+/-0.000 χ^2/NDF: 3787312.1/21

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5173851.5/25

Out: 0.000+/-0.000 χ^2/NDF:7649505.2/30

All: 0.000+/-0.000 χ^2/NDF: 13162604.3/56



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.930+/-6.588 χ^2/NDF:15.7/11

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.986+/-6.821 χ^2/NDF:6.1/9

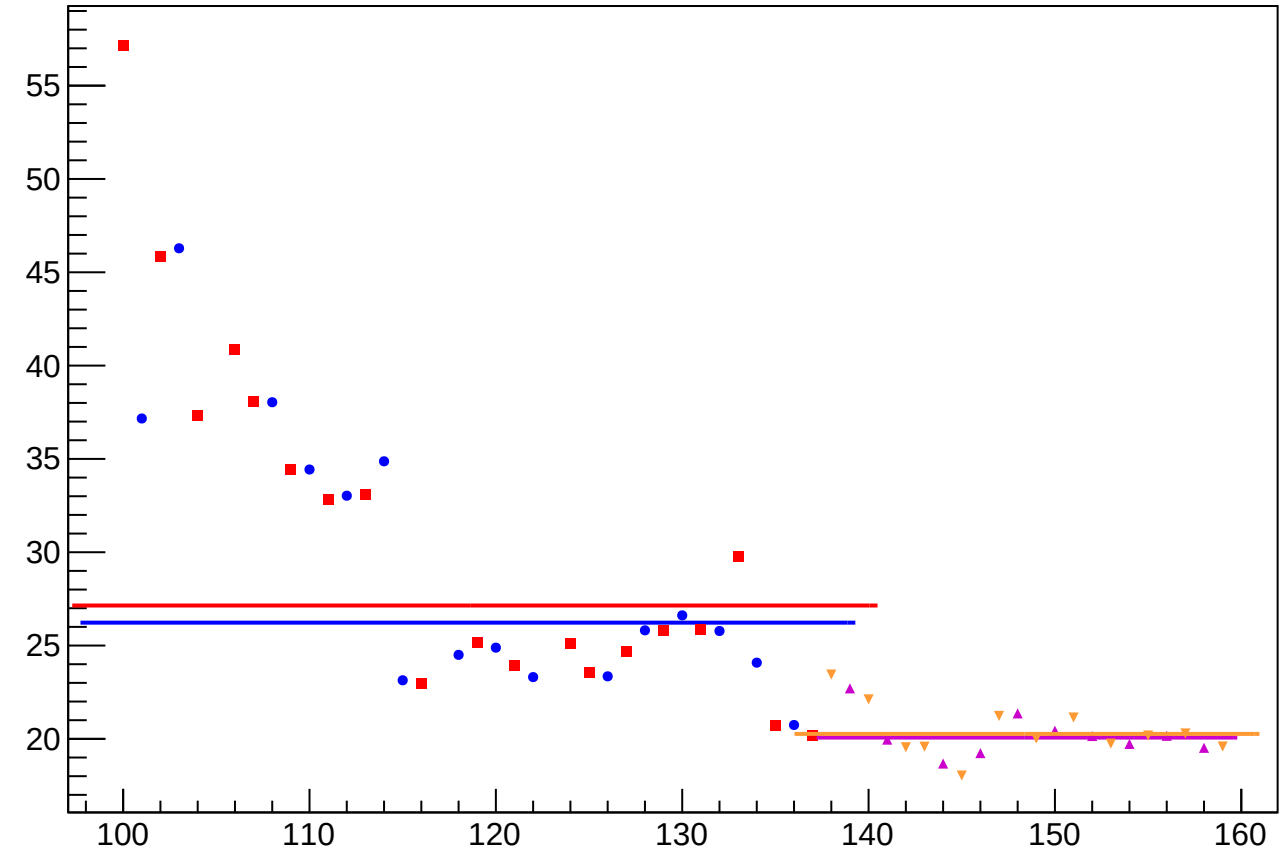
Left: -0.787+/-4.738 χ^2/NDF: 23.9/21

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.418+/-5.643 χ^2/NDF:27.9/25

Out: -0.271+/-5.545 χ^2/NDF:36.7/30

All: -2.799+/-3.955 χ^2/NDF: 65.0/56



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.266+/-0.005 χ^2/NDF:77596.3/11

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

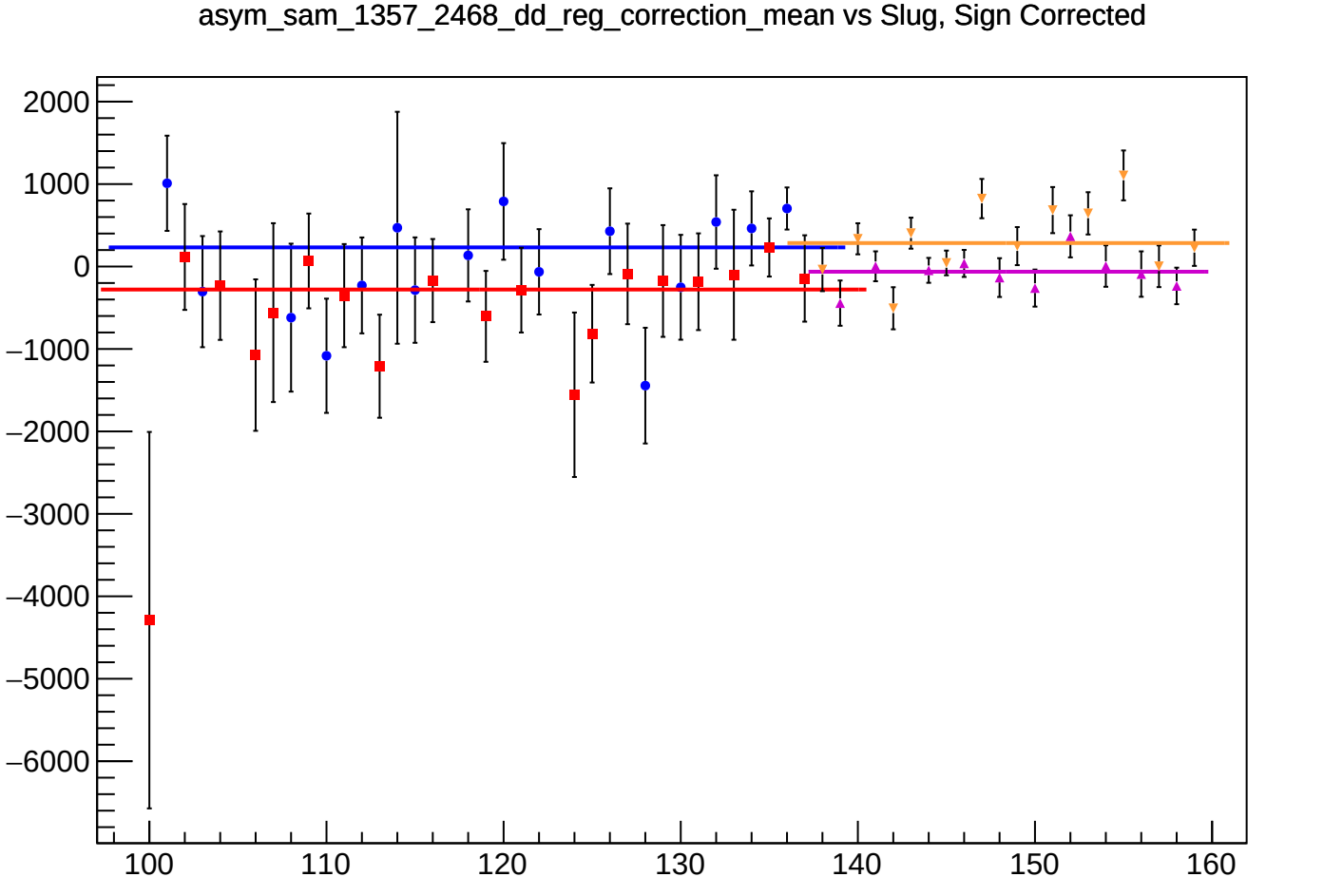
Left: 20.171+/-0.003 χ^2/NDF: 123150.9/21

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 22.012+/-0.004 χ^2/NDF:1234890.5/25

Out: 22.272+/-0.004 χ^2/NDF:1469094.3/30

All: 22.144+/-0.003 χ^2/NDF: 2706150.9/56



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.801+/-64.218 χ^2/NDF:32.0/11

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -63.050+/-66.316 χ^2/NDF:6.8/9

Left: 116.465+/-46.133 χ^2/NDF: 53.0/21

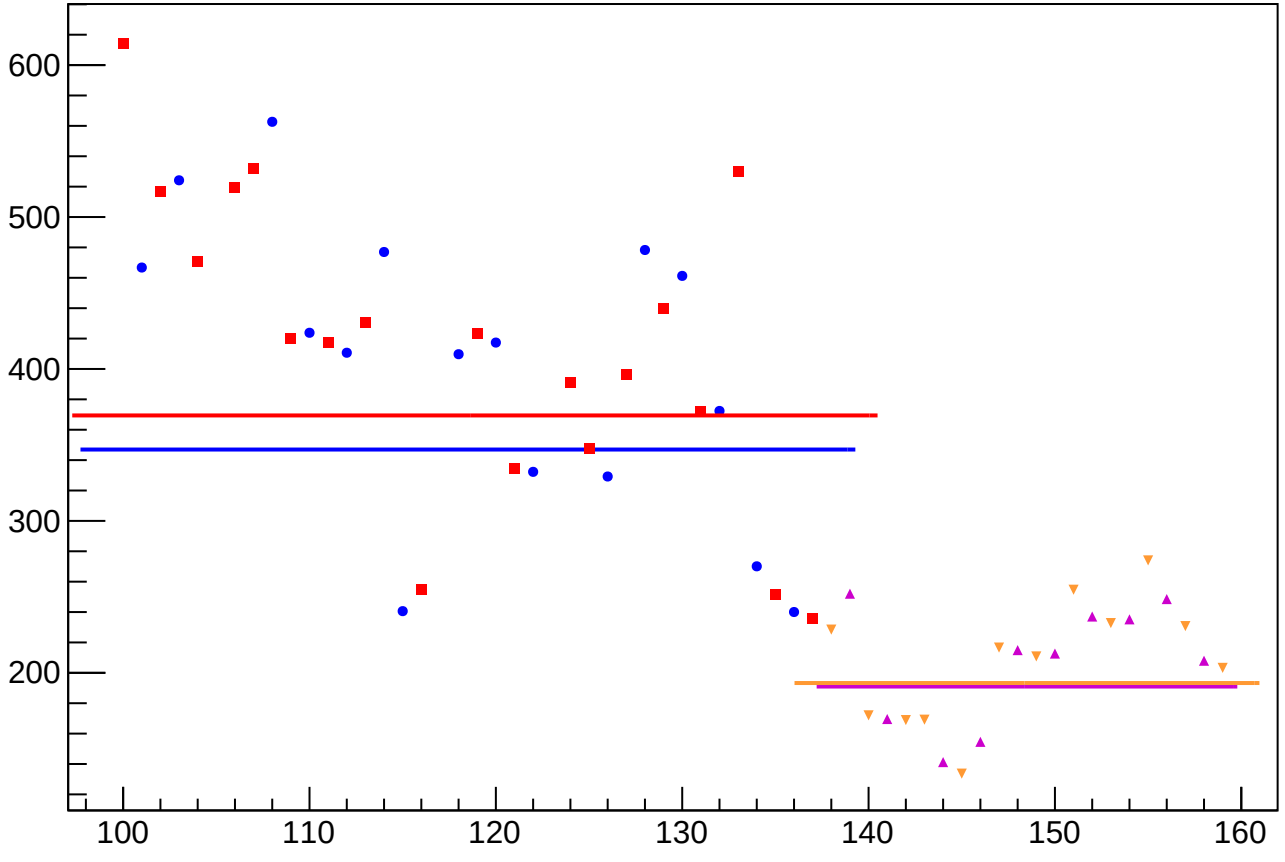
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -5.586+/-59.511 χ^2/NDF:30.3/25

Out: 186.747+/-58.368 χ^2/NDF:57.5/30

All: 92.446+/-41.671 χ^2/NDF: 93.2/56

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: 193.289+/-0.045 χ^2/NDF:794497.7/11

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708243.4/9

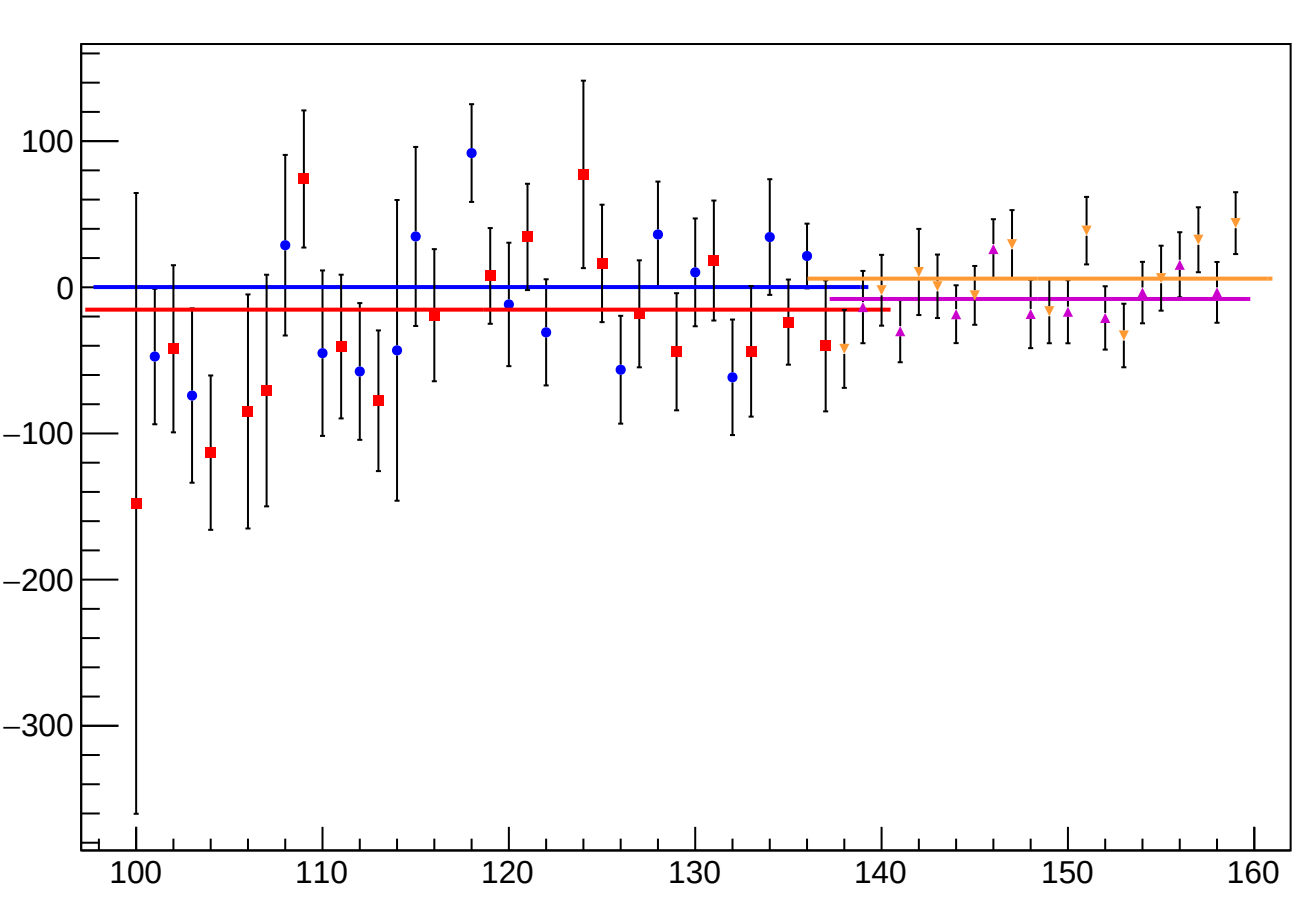
Left: 192.171+/-0.033 χ^2/NDF: 1503993.6/21

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 221.350+/-0.042 χ^2/NDF:3920772.1/25

Out: 223.917+/-0.041 χ^2/NDF:4329395.1/30

All: 222.658+/-0.029 χ^2/NDF: 8252063.8/56



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.928+/-6.588 χ^2/NDF:15.7/11

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.987+/-6.821 χ^2/NDF:6.1/9

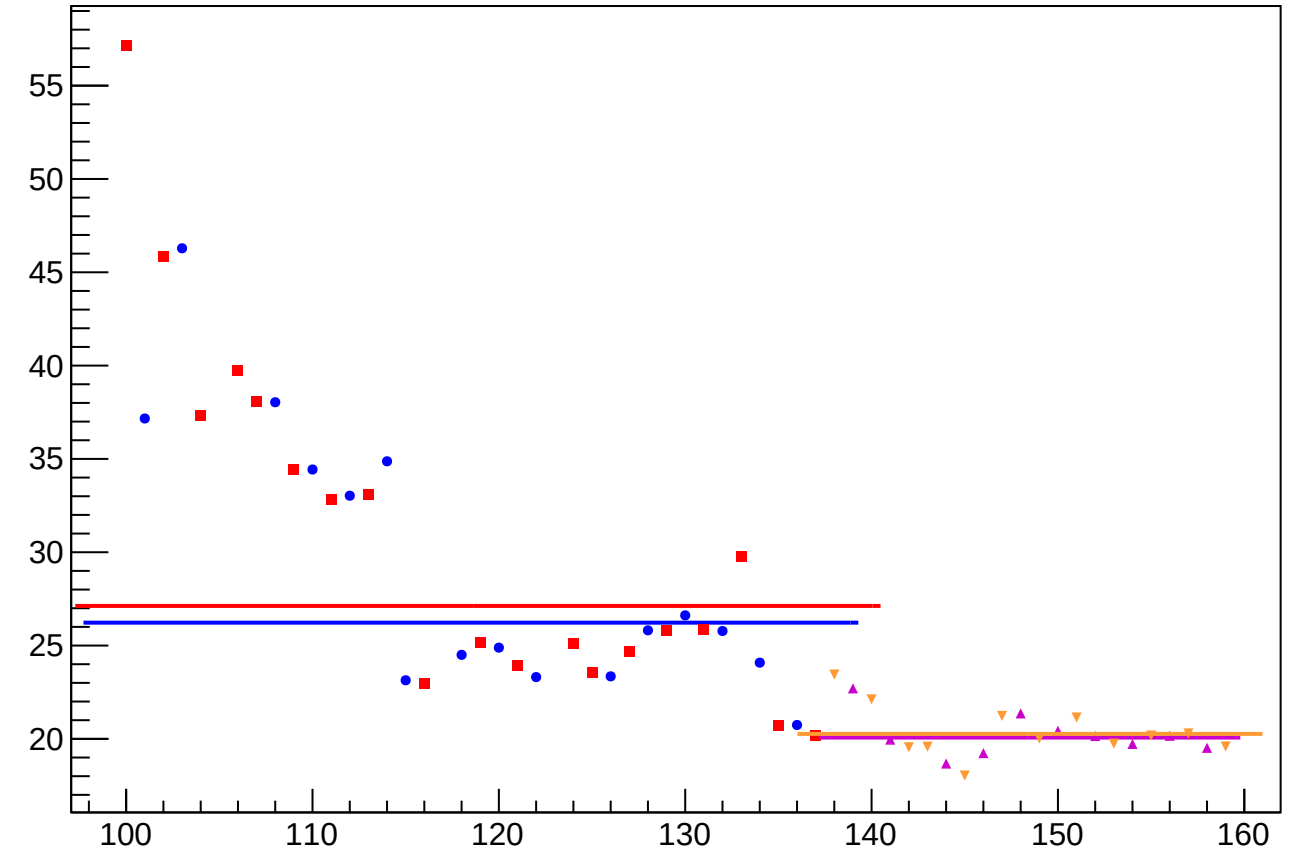
Left: -0.788+/-4.738 χ^2/NDF: 24.0/21

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.418+/-5.643 χ^2/NDF:27.9/25

Out: -0.259+/-5.545 χ^2/NDF:36.6/30

All: -2.793+/-3.955 χ^2/NDF: 64.9/56



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.266+/-0.005 χ^2/NDF:77596.3/11

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

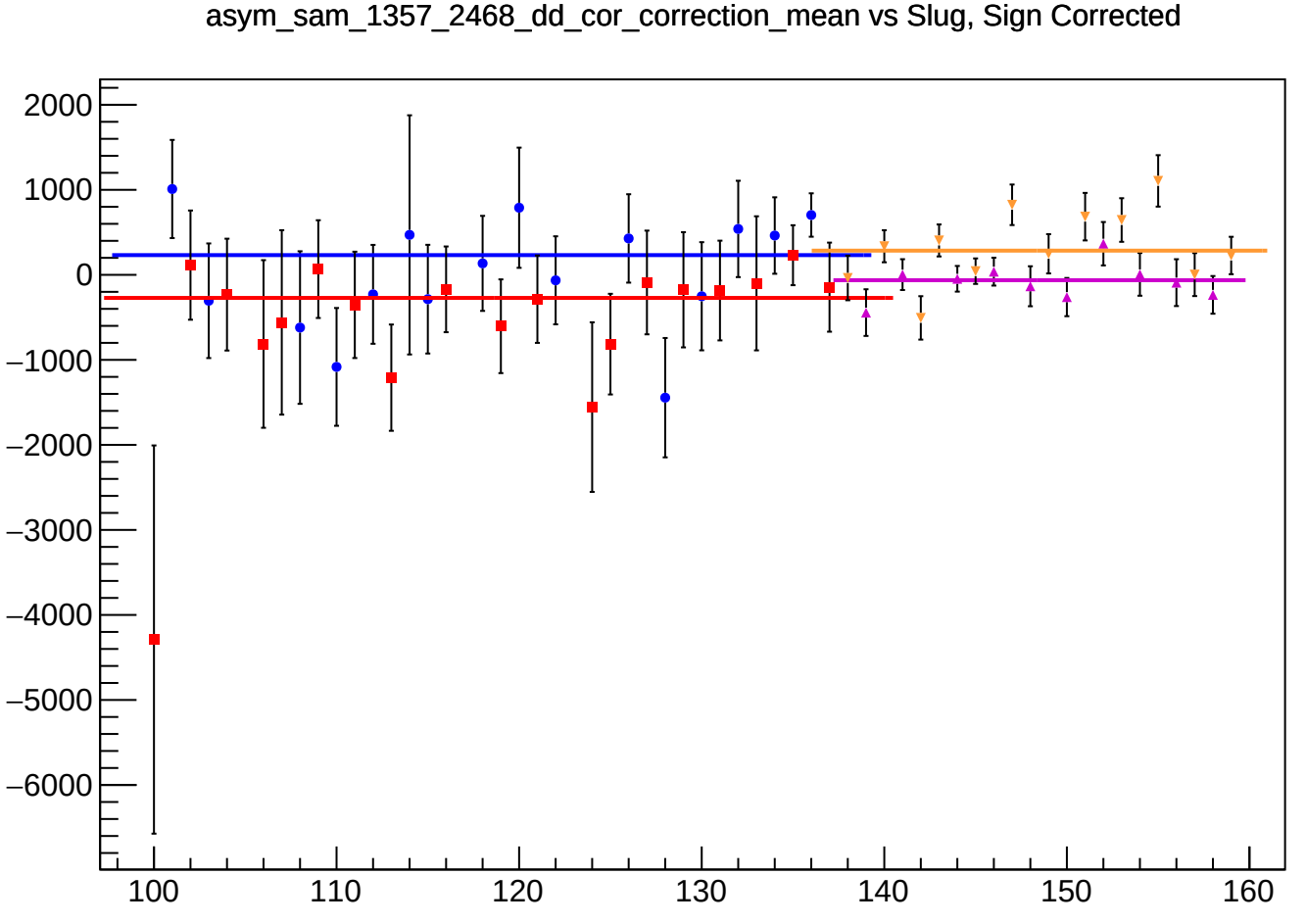
Left: 20.171+/-0.003 χ^2/NDF: 123150.9/21

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.012+/-0.004 χ^2/NDF:1234893.9/25

Out: 22.265+/-0.004 χ^2/NDF:1455155.4/30

All: 22.141+/-0.003 χ^2/NDF: 2692102.6/56



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.799+/-64.218 χ^2/NDF:32.0/11

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -63.051+/-66.316 χ^2/NDF:6.8/9

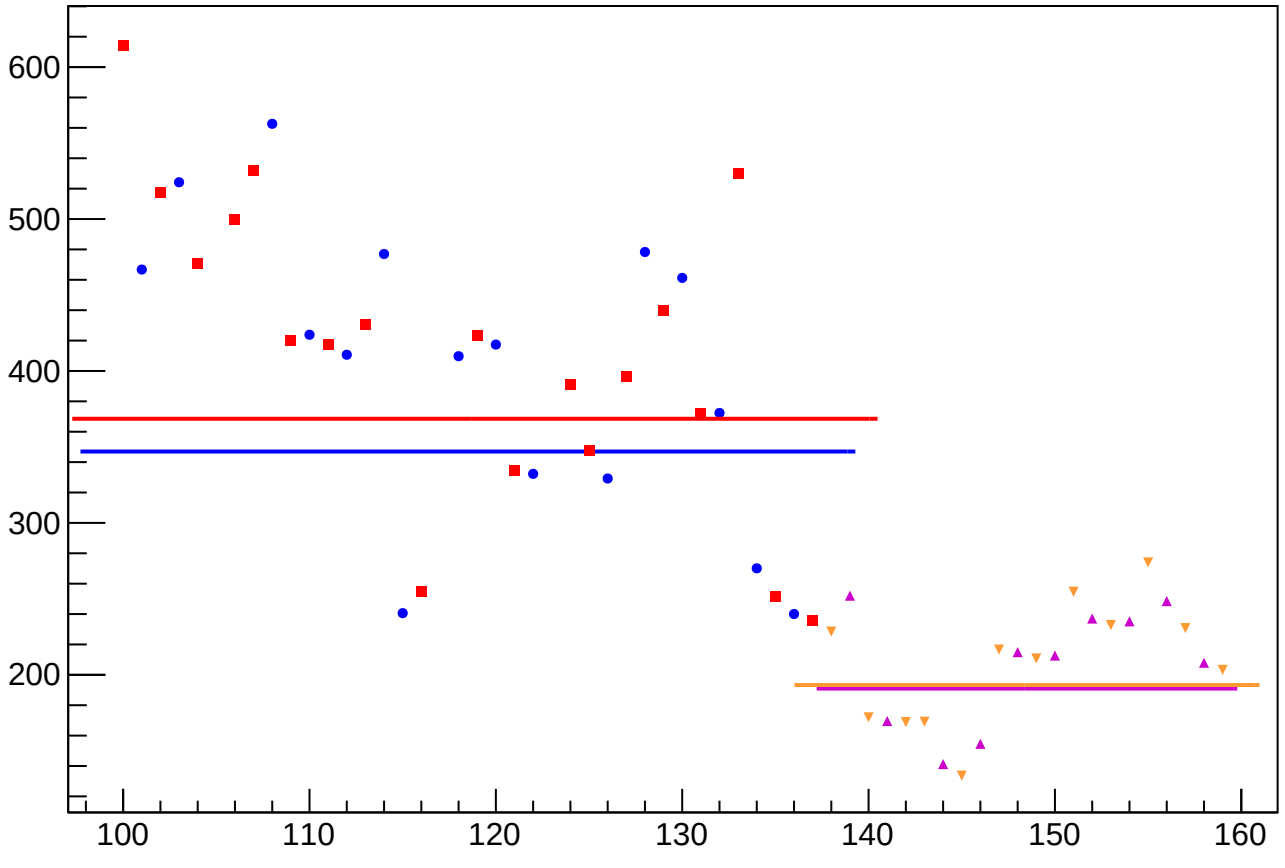
Left: 116.464+/-46.133 χ^2/NDF: 53.0/21

Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -5.588+/-59.511 χ^2/NDF:30.3/25

Out: 188.320+/-58.384 χ^2/NDF:56.6/30

All: 93.221+/-41.676 χ^2/NDF: 92.4/56



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 193.289+/-0.045 χ^2/NDF:794501.2/11

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

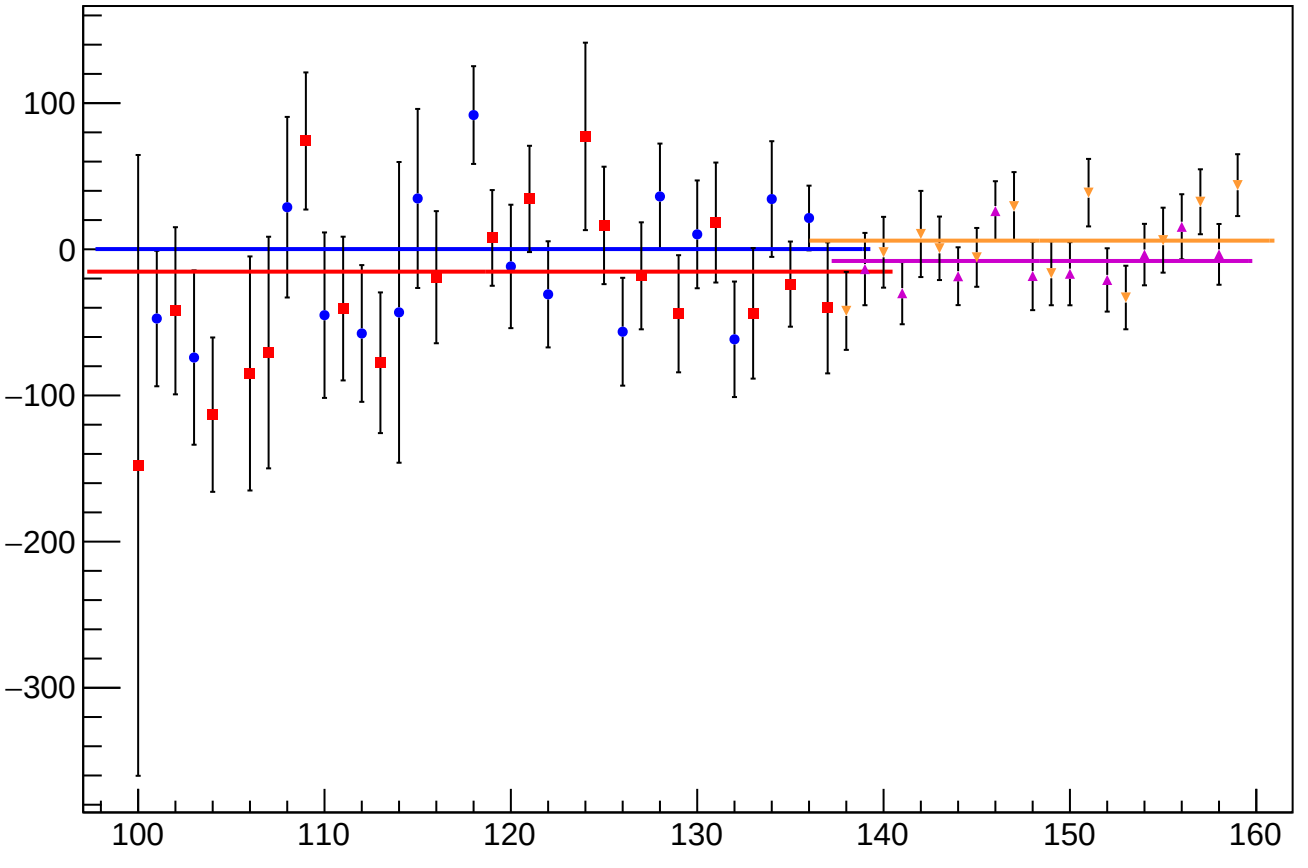
Left: 192.171+/-0.033 χ^2/NDF: 1503994.7/21

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.350+/-0.042 χ^2/NDF:3920793.3/25

Out: 223.688+/-0.041 χ^2/NDF:4278435.8/30

All: 222.541+/-0.029 χ^2/NDF: 8200801.9/56



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.928+/-6.588 χ^2/NDF:15.7/11

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.987+/-6.821 χ^2/NDF:6.1/9

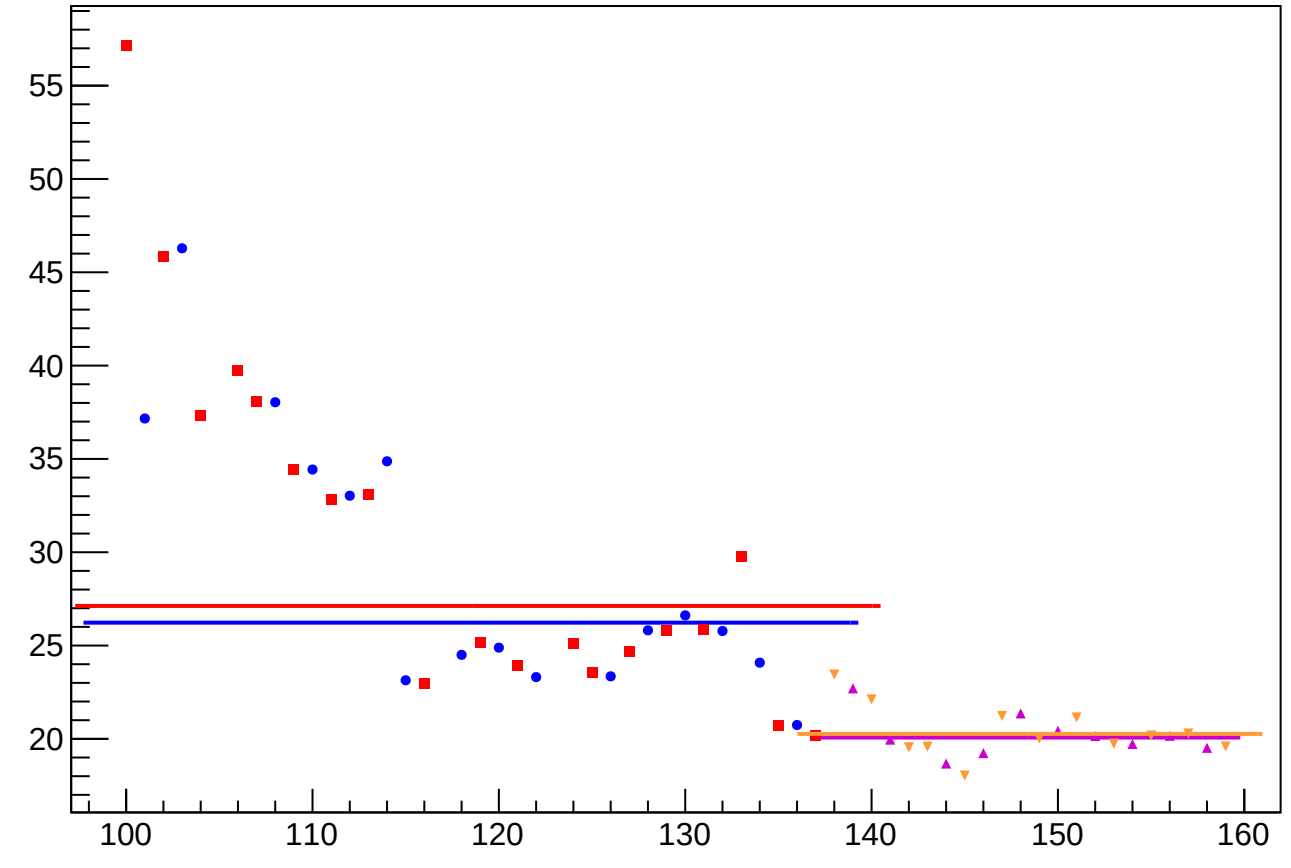
Left: -0.788+/-4.738 χ^2/NDF: 24.0/21

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.418+/-5.643 χ^2/NDF:27.9/25

Out: -0.259+/-5.545 χ^2/NDF:36.6/30

All: -2.793+/-3.955 χ^2/NDF: 64.9/56



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.266+/-0.005 χ^2/NDF:77596.3/11

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

Left: 20.171+/-0.003 χ^2/NDF: 123150.9/21

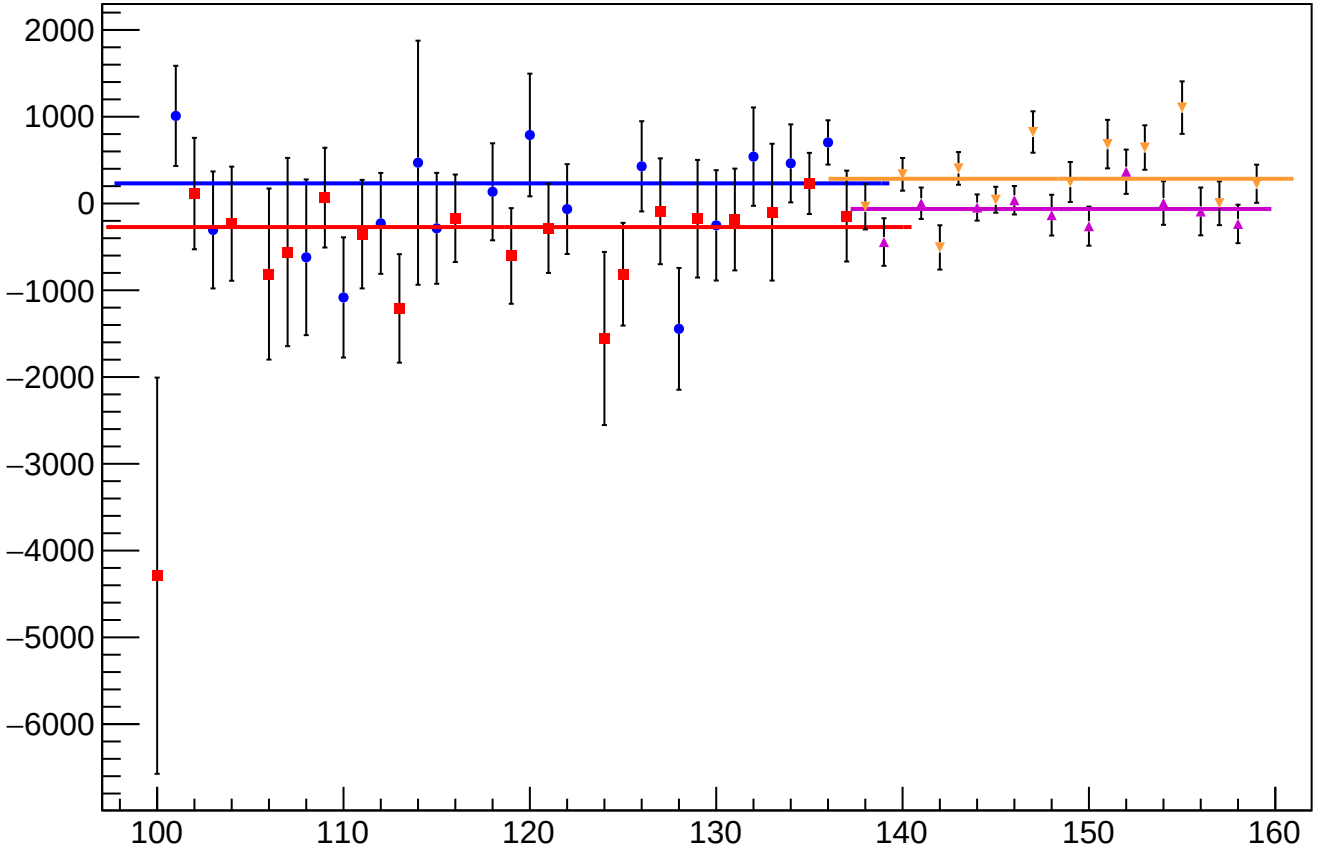
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.012+/-0.004 χ^2/NDF:1234893.9/25

Out: 22.265+/-0.004 χ^2/NDF:1455155.4/30

All: 22.141+/-0.003 χ^2/NDF: 2692102.6/56

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.799+/-64.218 χ^2/NDF:32.0/11

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -63.051+/-66.316 χ^2/NDF:6.8/9

Left: 116.464+/-46.133 χ^2/NDF: 53.0/21

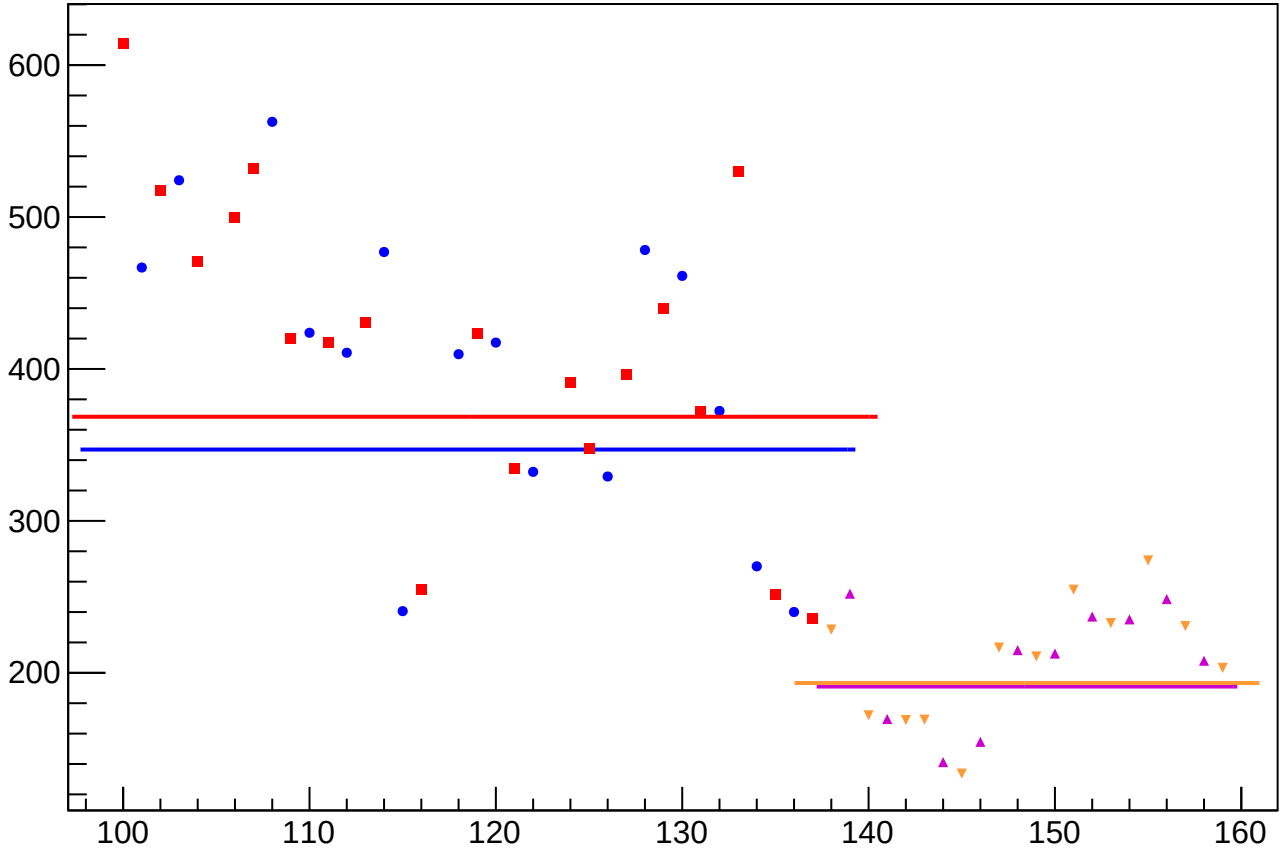
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -5.588+/-59.511 χ^2/NDF:30.3/25

Out: 188.320+/-58.384 χ^2/NDF:56.6/30

All: 93.221+/-41.676 χ^2/NDF: 92.4/56

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: 193.289+/-0.045 χ^2/NDF:794501.2/11

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

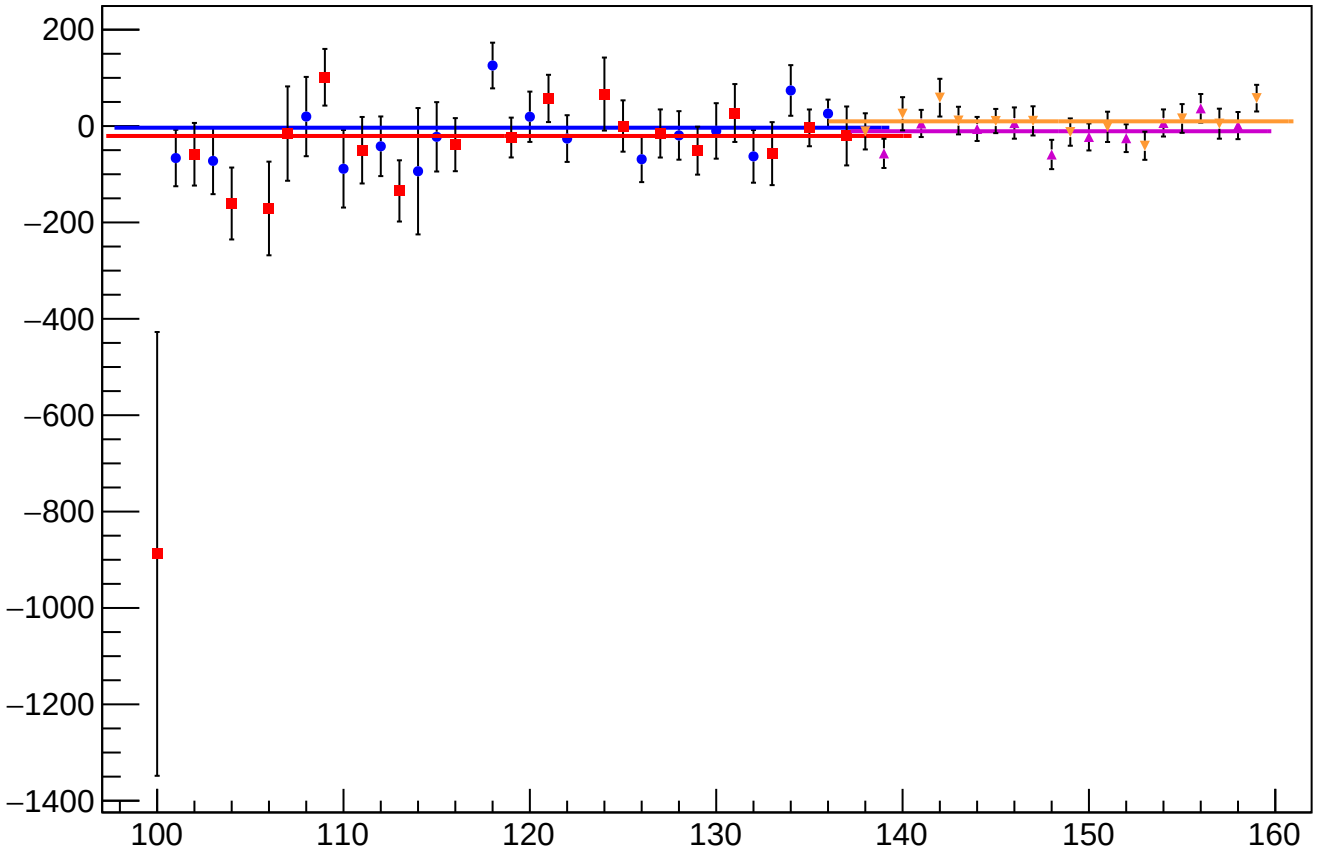
Left: 192.171+/-0.033 χ^2/NDF: 1503994.7/21

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.350+/-0.042 χ^2/NDF:3920793.3/25

Out: 223.688+/-0.041 χ^2/NDF:4278435.8/30

All: 222.541+/-0.029 χ^2/NDF: 8200801.9/56



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.803+/-8.774 χ^2/NDF:8.9/11

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.762+/-9.082 χ^2/NDF:9.0/9

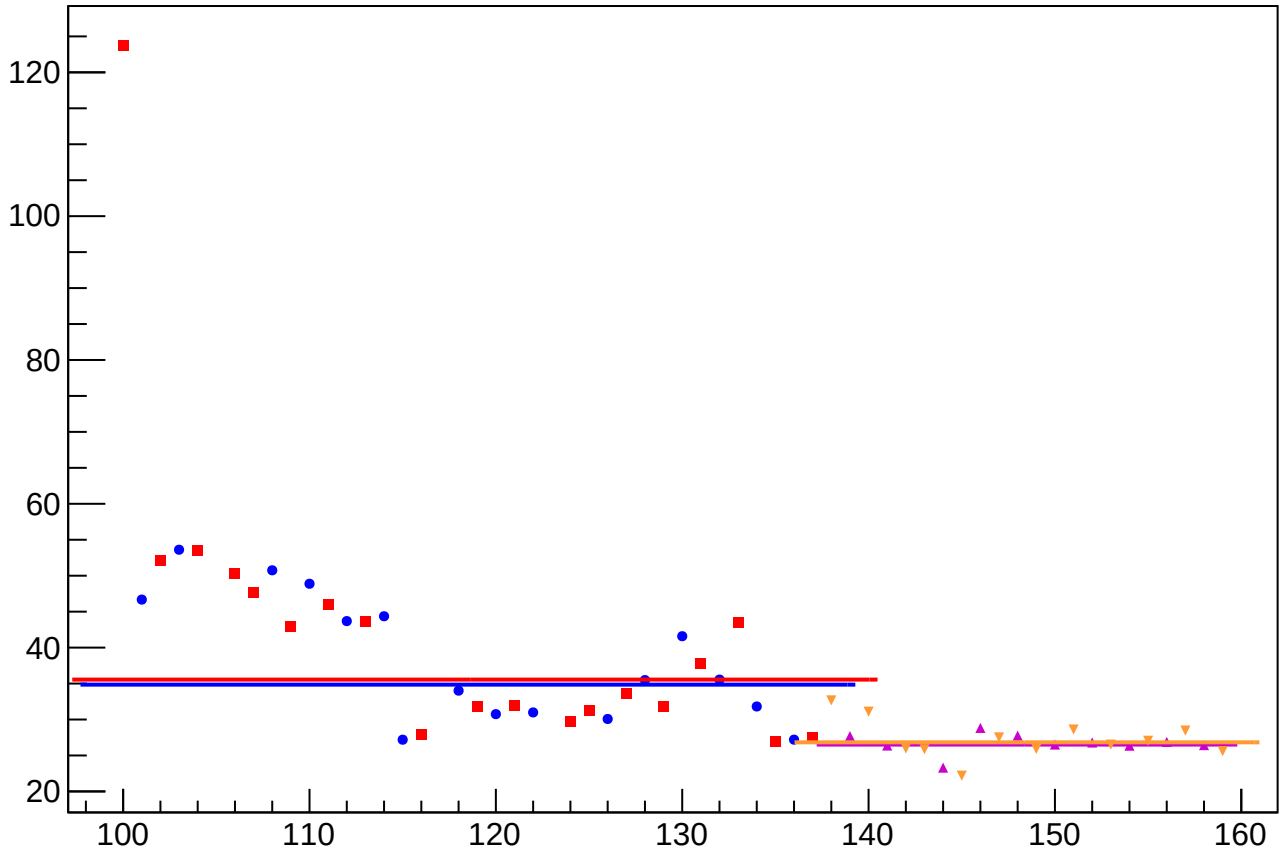
Left: -0.126+/-6.310 χ^2/NDF: 20.6/21

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.451+/-7.516 χ^2/NDF:27.7/25

Out: 0.759+/-7.353 χ^2/NDF:35.7/30

All: -3.745+/-5.256 χ^2/NDF: 64.1/56



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.828+/-0.006 χ^2/NDF:169688.4/11

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.516+/-0.006 χ^2/NDF:50213.7/9

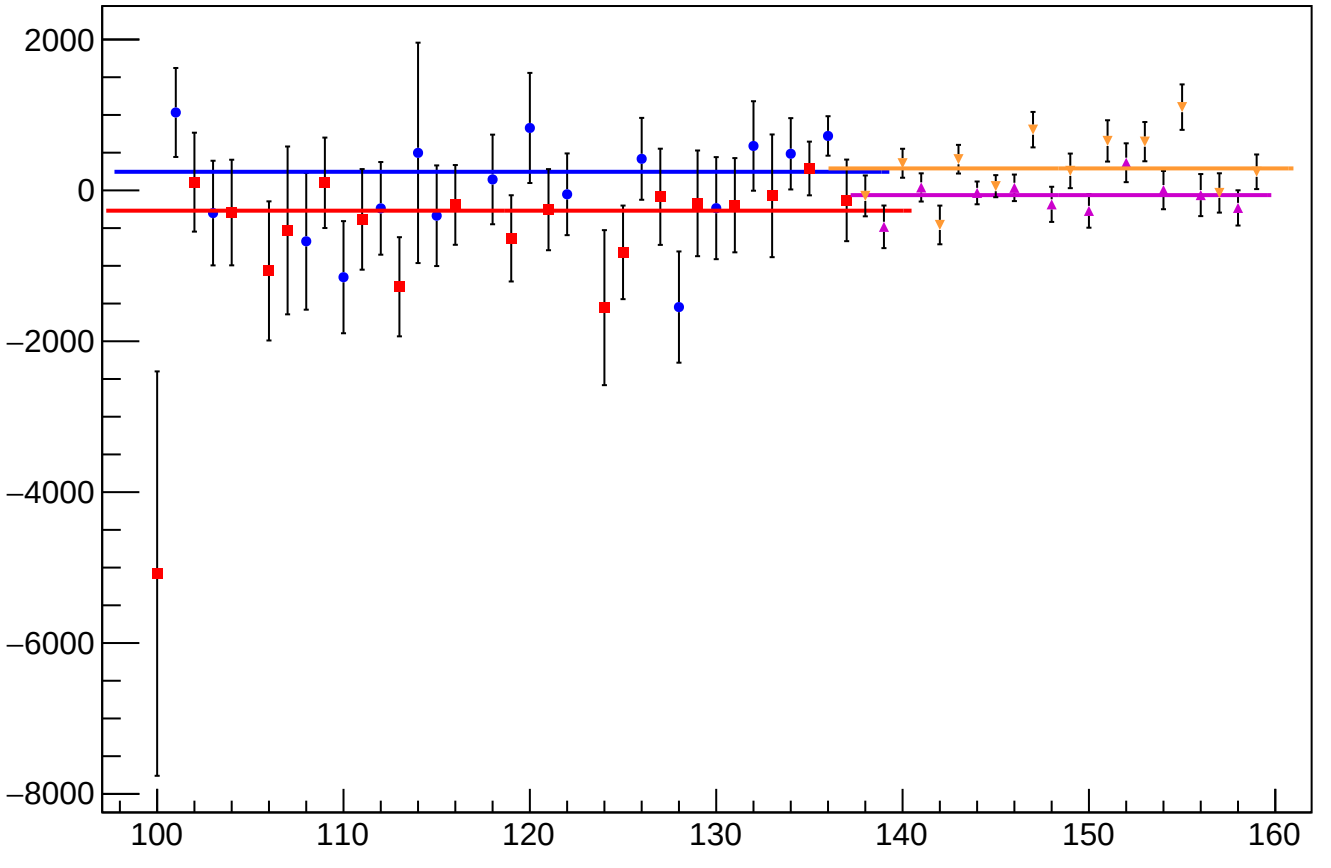
Left: 26.677+/-0.004 χ^2/NDF: 221120.1/21

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.141+/-0.005 χ^2/NDF:1238943.8/25

Out: 29.426+/-0.005 χ^2/NDF:1538447.0/30

All: 29.287+/-0.004 χ^2/NDF: 2778855.1/56



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 291.249+/-64.501 χ^2/NDF:30.8/11

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -62.679+/-67.768 χ^2/NDF:7.4/9

Left: 123.022+/-46.721 χ^2/NDF: 52.5/21

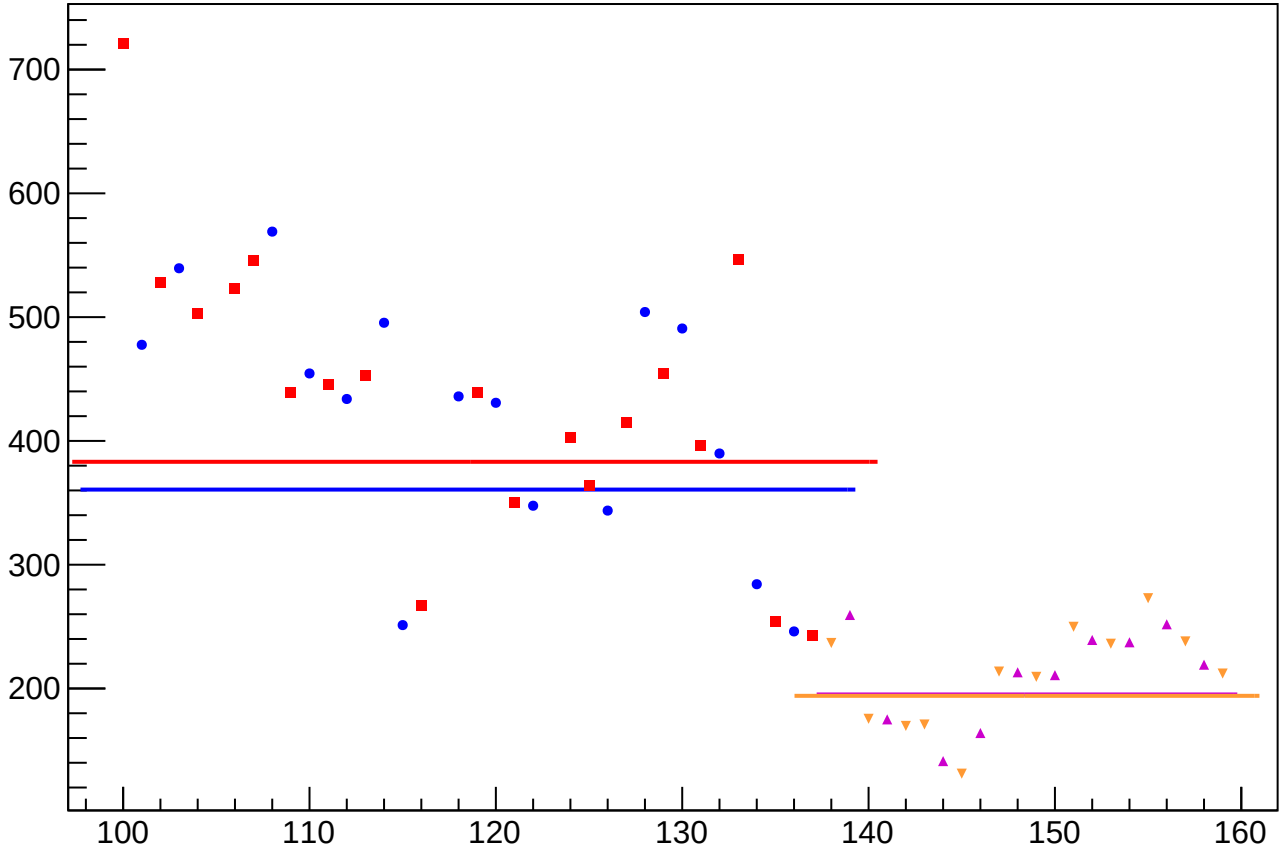
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -4.172+/-61.020 χ^2/NDF:31.1/25

Out: 199.029+/-58.953 χ^2/NDF:55.8/30

All: 100.929+/-42.398 χ^2/NDF: 92.6/56

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: 194.080+/-0.046 χ^2/NDF:849810.0/11

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 195.179+/-0.048 χ^2/NDF:682759.7/9

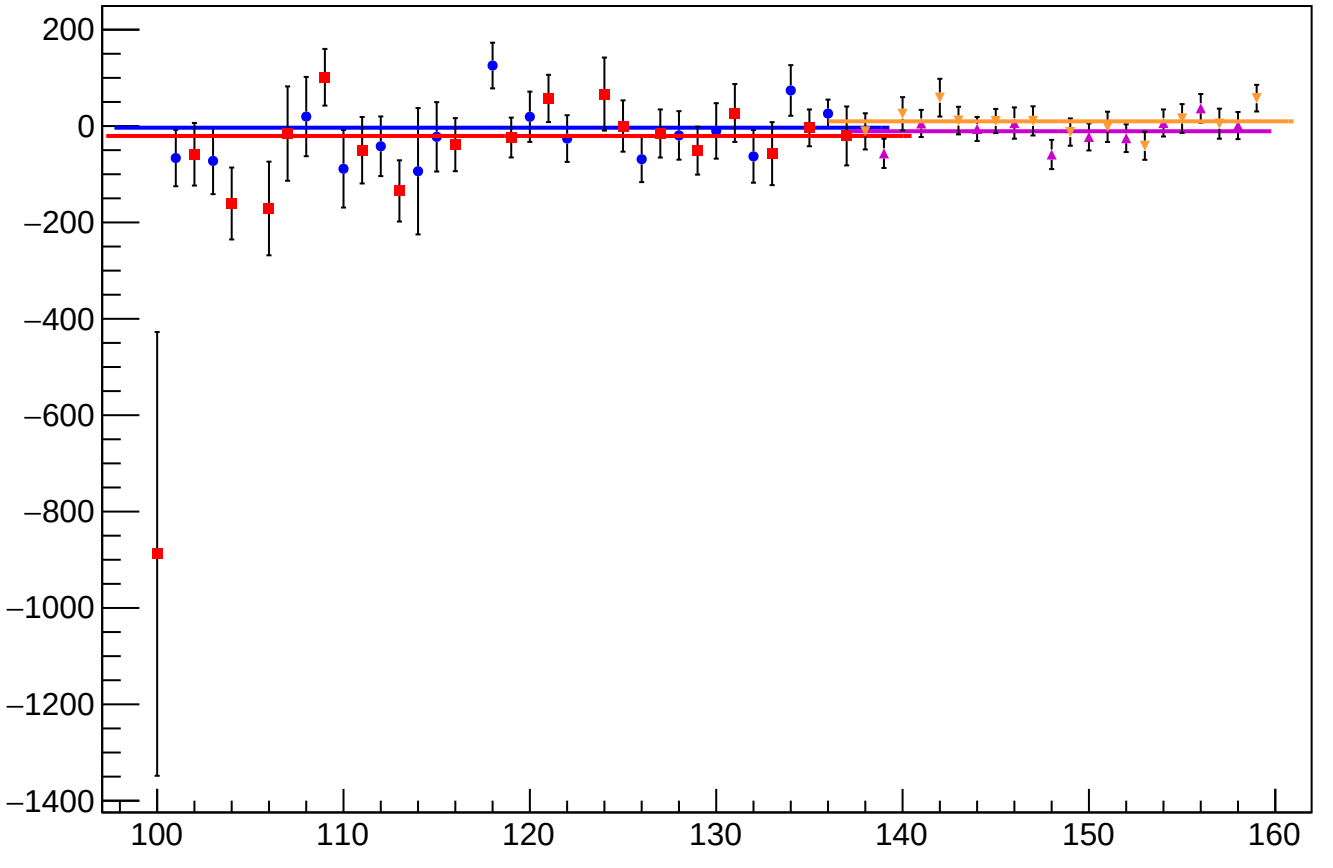
Left: 194.602+/-0.033 χ^2/NDF: 1532845.7/21

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 226.499+/-0.043 χ^2/NDF:4033066.6/25

Out: 225.203+/-0.042 χ^2/NDF:4641517.3/30

All: 225.829+/-0.030 χ^2/NDF: 8675050.3/56



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.803+/-8.774 χ^2/NDF:8.9/11

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.762+/-9.082 χ^2/NDF:9.0/9

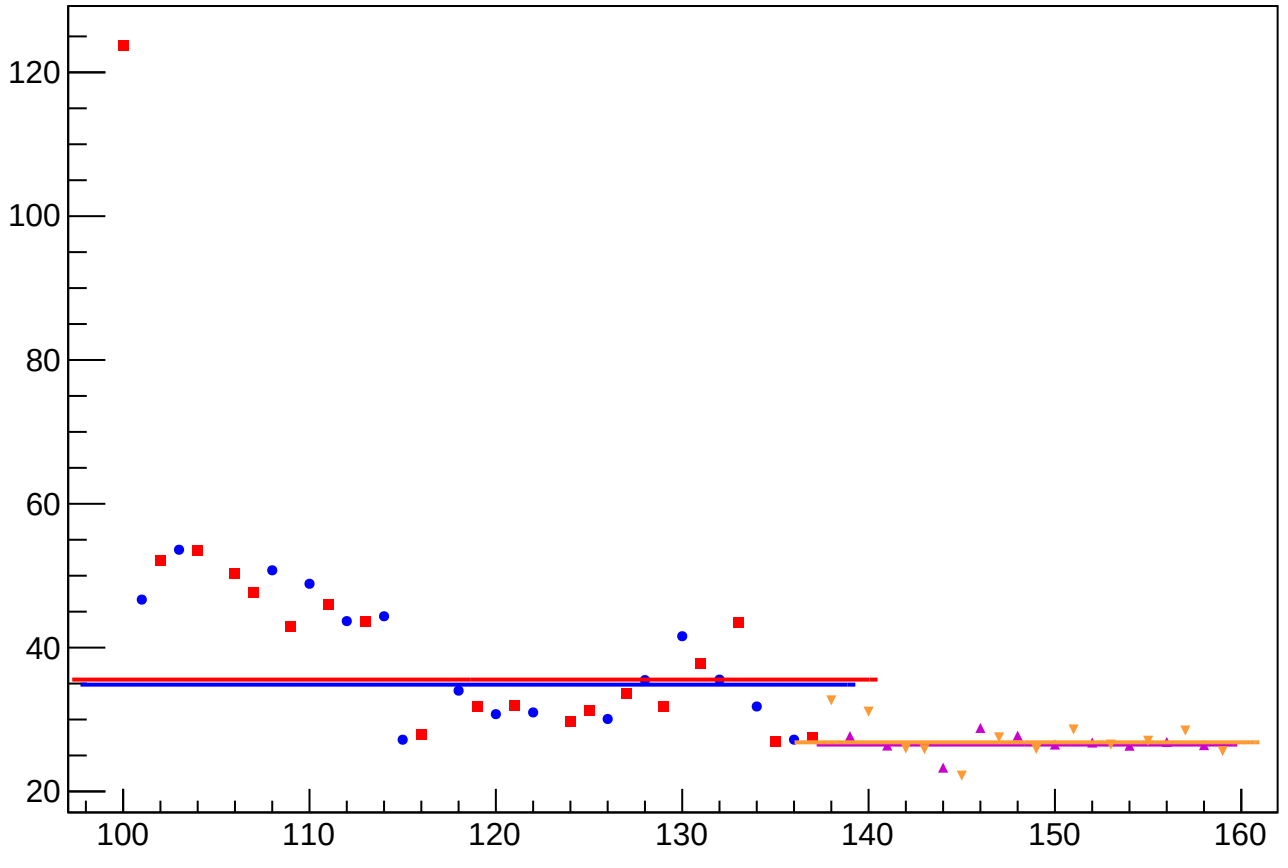
Left: -0.126+/-6.310 χ^2/NDF: 20.6/21

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.451+/-7.516 χ^2/NDF:27.7/25

Out: 0.759+/-7.353 χ^2/NDF:35.6/30

All: -3.745+/-5.256 χ^2/NDF: 64.1/56



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.828+/-0.006 χ^2/NDF:169676.9/11

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.516+/-0.006 χ^2/NDF:50210.3/9

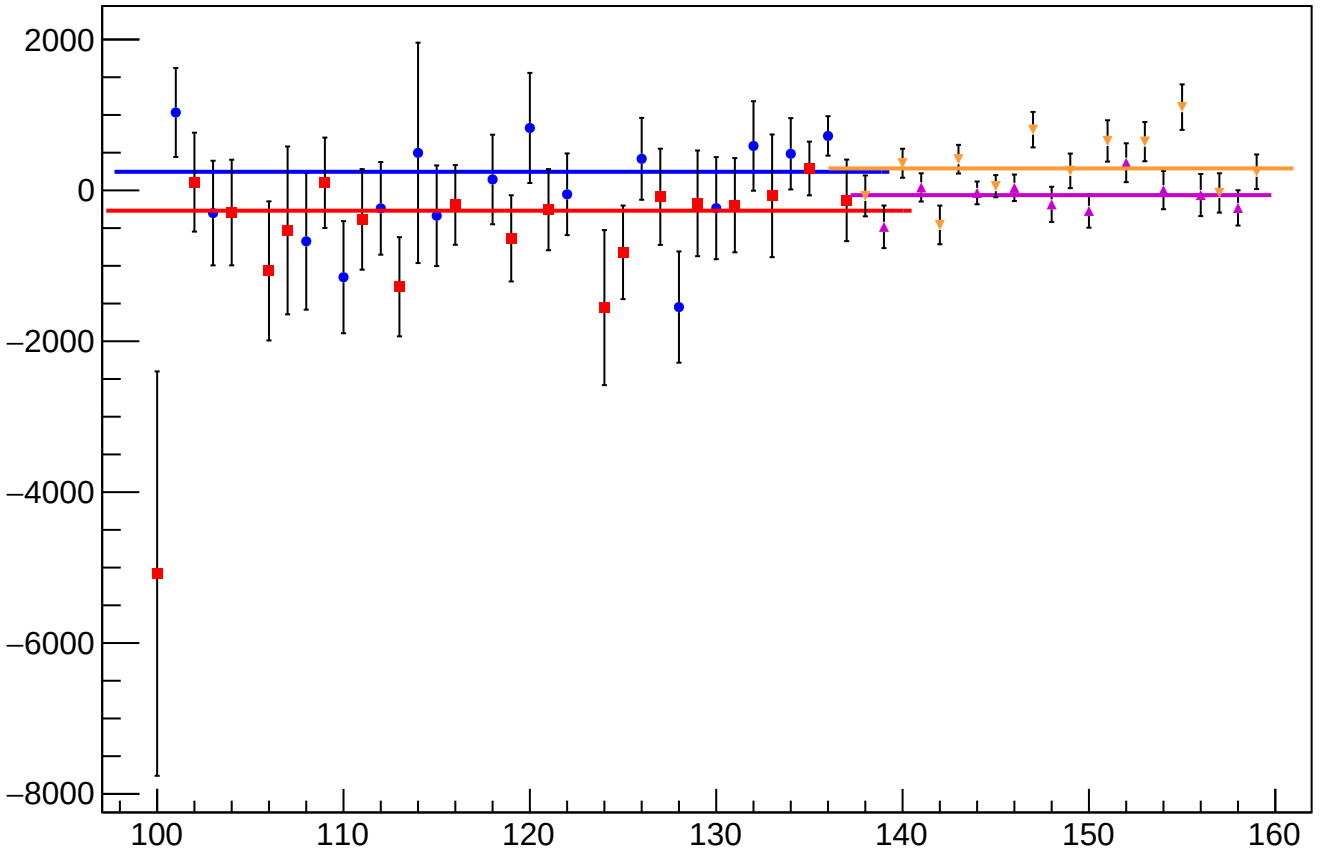
Left: 26.677+/-0.004 χ^2/NDF: 221105.5/21

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.141+/-0.005 χ^2/NDF:1238828.7/25

Out: 29.426+/-0.005 χ^2/NDF:1538347.2/30

All: 29.287+/-0.004 χ^2/NDF: 2778640.8/56



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 291.247+/-64.501 χ^2/NDF:30.8/11

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -62.679+/-67.768 χ^2/NDF:7.4/9

Left: 123.021+/-46.721 χ^2/NDF: 52.5/21

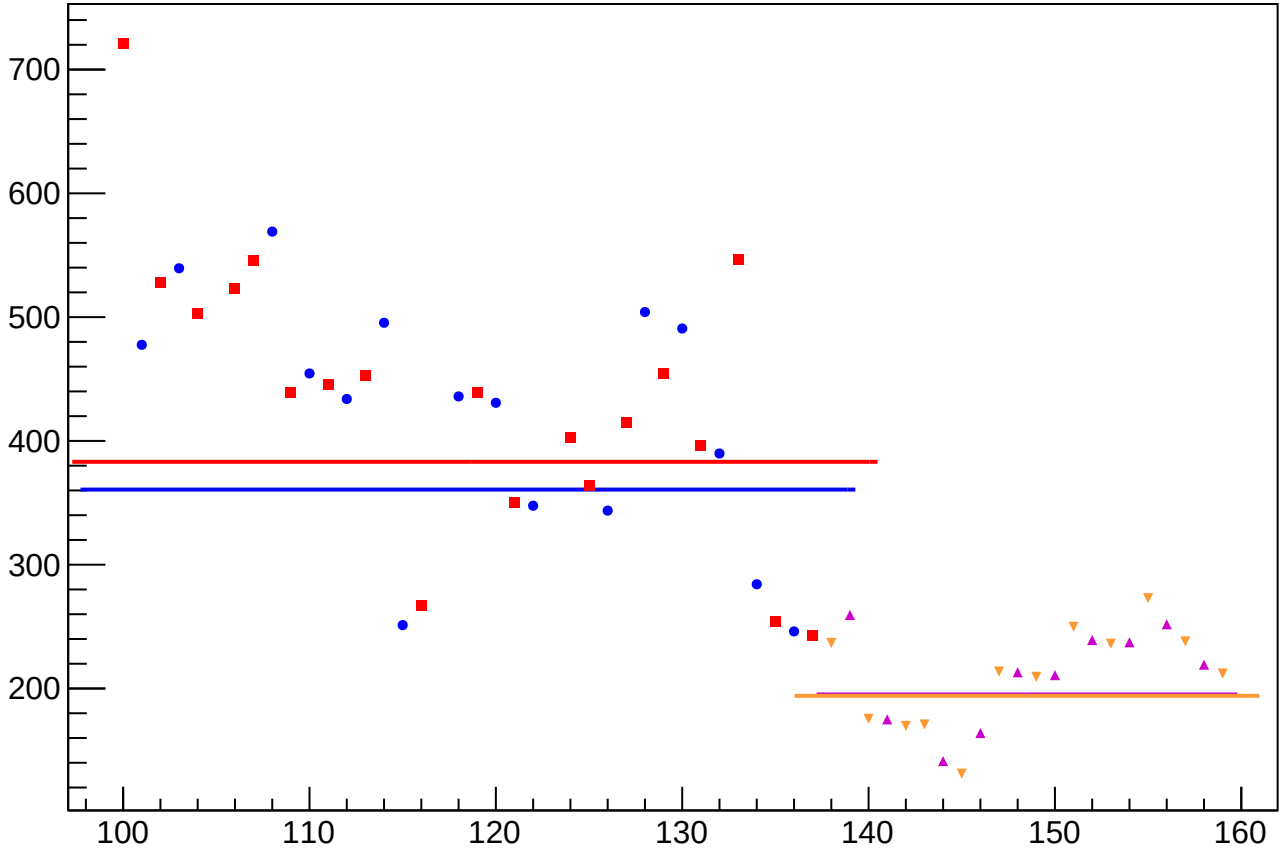
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -4.172+/-61.020 χ^2/NDF:31.1/25

Out: 199.028+/-58.953 χ^2/NDF:55.8/30

All: 100.929+/-42.398 χ^2/NDF: 92.6/56

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: 194.079+/-0.046 χ^2/NDF:849828.5/11

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 195.178+/-0.048 χ^2/NDF:682764.2/9

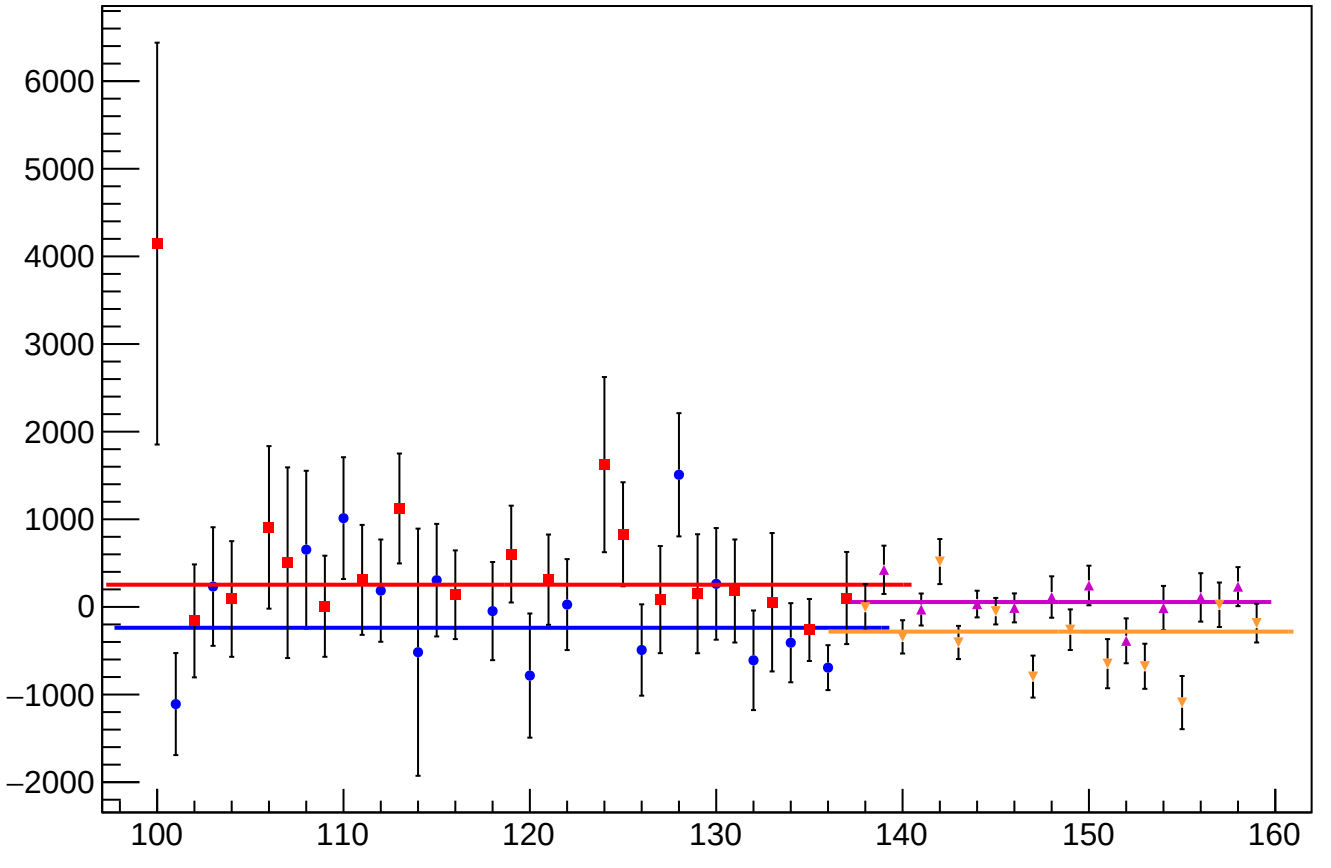
Left: 194.601+/-0.033 χ^2/NDF: 1532868.8/21

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 226.498+/-0.043 χ^2/NDF:4033059.5/25

Out: 225.202+/-0.042 χ^2/NDF:4641536.2/30

All: 225.828+/-0.030 χ^2/NDF: 8675062.2/56



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -281.890+/-64.611 χ^2/NDF:31.1/11

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 55.740+/-66.723 χ^2/NDF:6.7/9

Left: -118.504+/-46.416 χ^2/NDF: 51.0/21

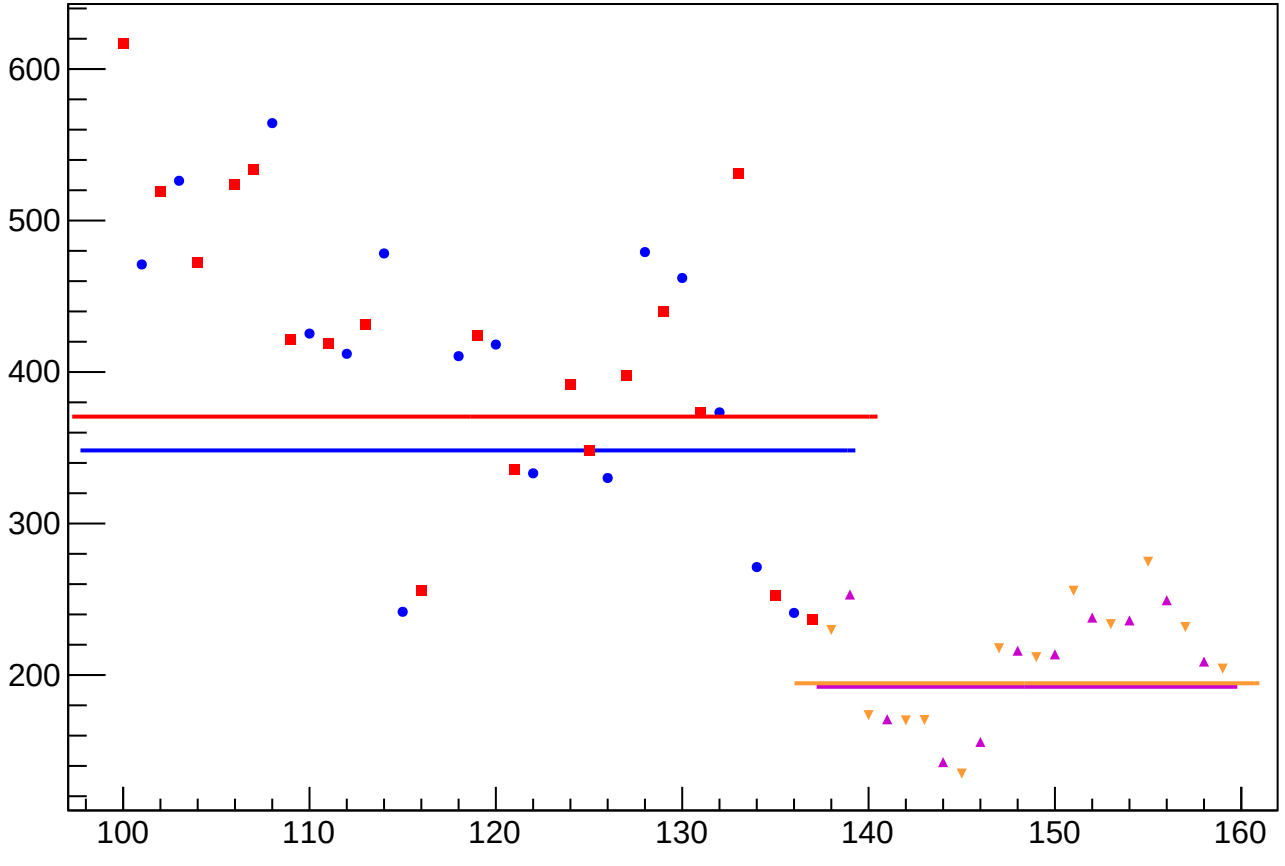
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -1.698+/-59.847 χ^2/NDF:30.4/25

Out: -188.347+/-58.695 χ^2/NDF:54.8/30

All: -96.835+/-41.905 χ^2/NDF: 90.2/56

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 194.565+/-0.046 χ^2/NDF:779147.2/11

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.243+/-0.047 χ^2/NDF:694146.9/9

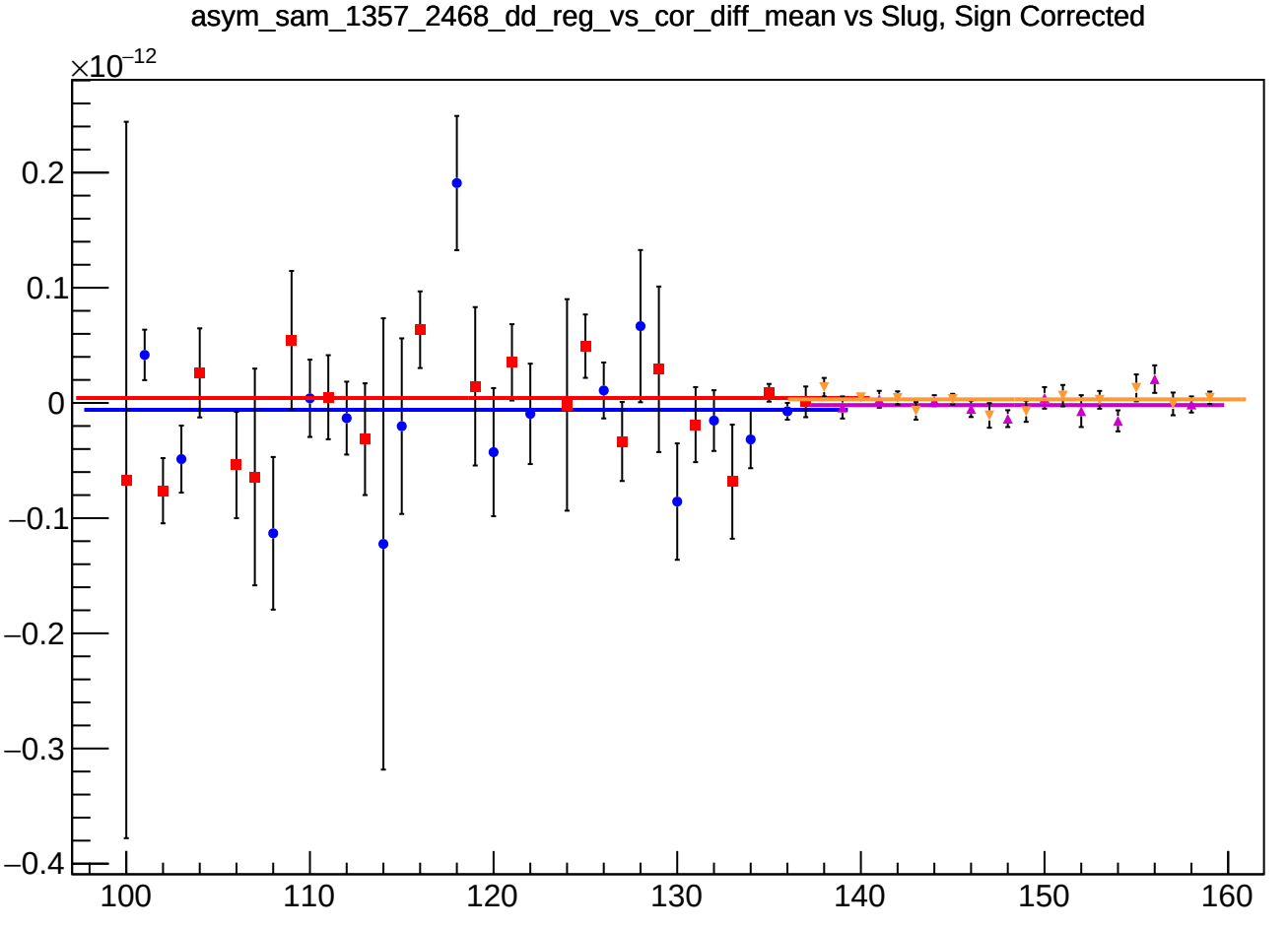
Left: 193.441+/-0.033 χ^2/NDF: 1474544.3/21

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 222.744+/-0.042 χ^2/NDF:3888655.6/25

Out: 225.322+/-0.042 χ^2/NDF:4290806.3/30

All: 224.058+/-0.030 χ^2/NDF: 8181353.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/9

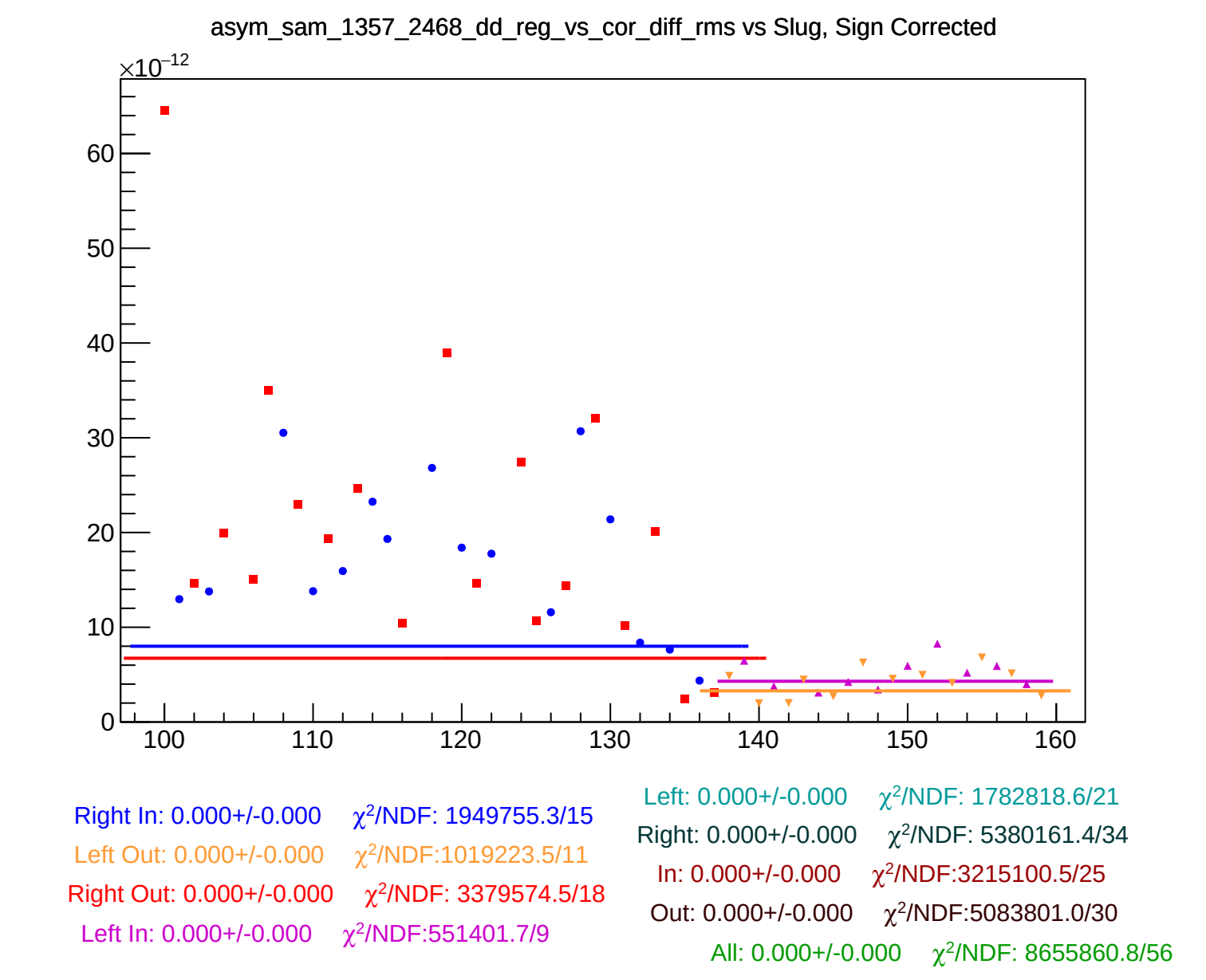
Left: 0.000+/-0.000 χ^2/NDF: 20.6/21

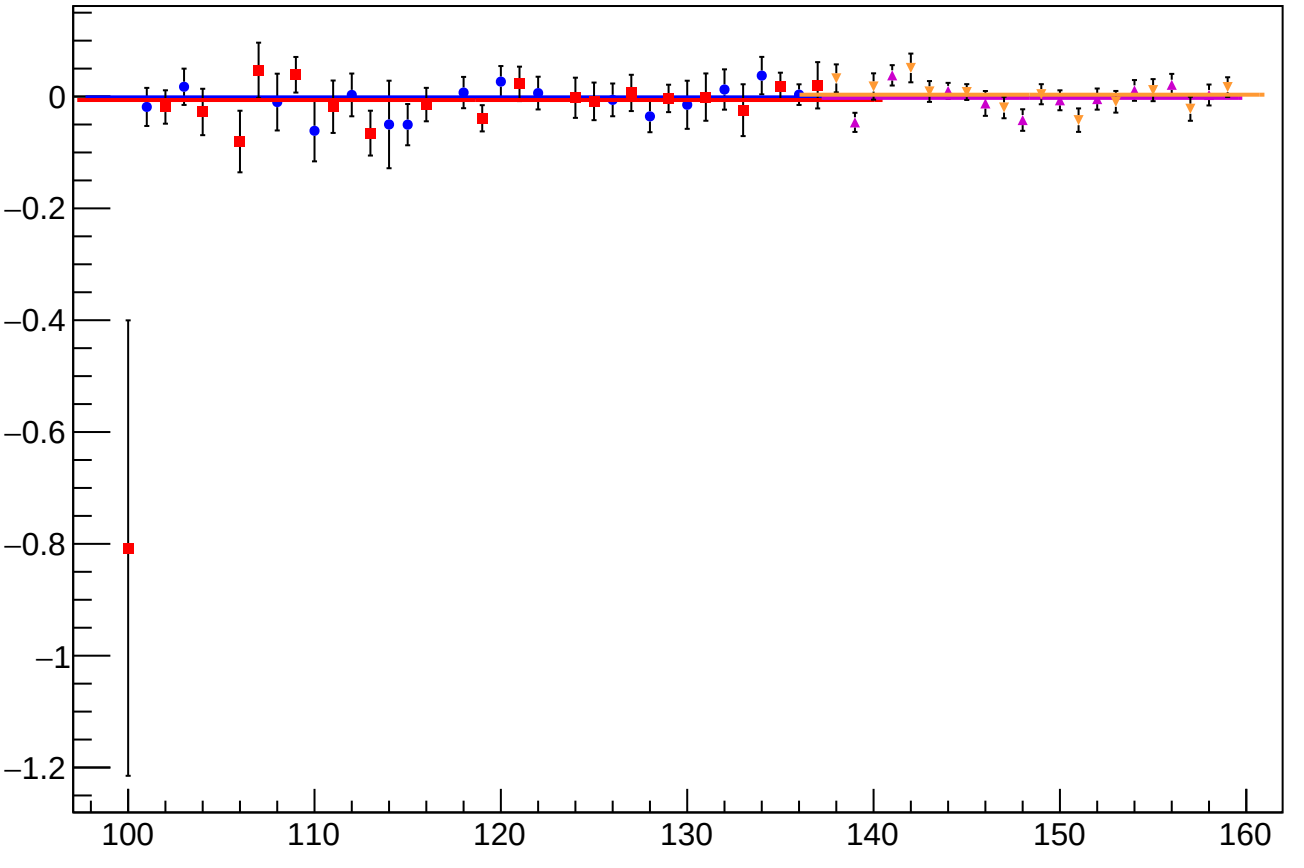
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:38.1/25

Out: 0.000+/-0.000 χ^2/NDF:30.7/30

All: 0.000+/-0.000 χ^2/NDF: 72.7/56


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1019223.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:551401.7/9
Left: 0.000+/-0.000 χ²/NDF: 1782818.6/21
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:3215100.5/25
Out: 0.000+/-0.000 χ²/NDF:5083801.0/30
All: 0.000+/-0.000 χ²/NDF: 8655860.8/56



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.006 χ^2/NDF:14.1/11

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: 0.001+/-0.004 χ^2/NDF: 33.3/21

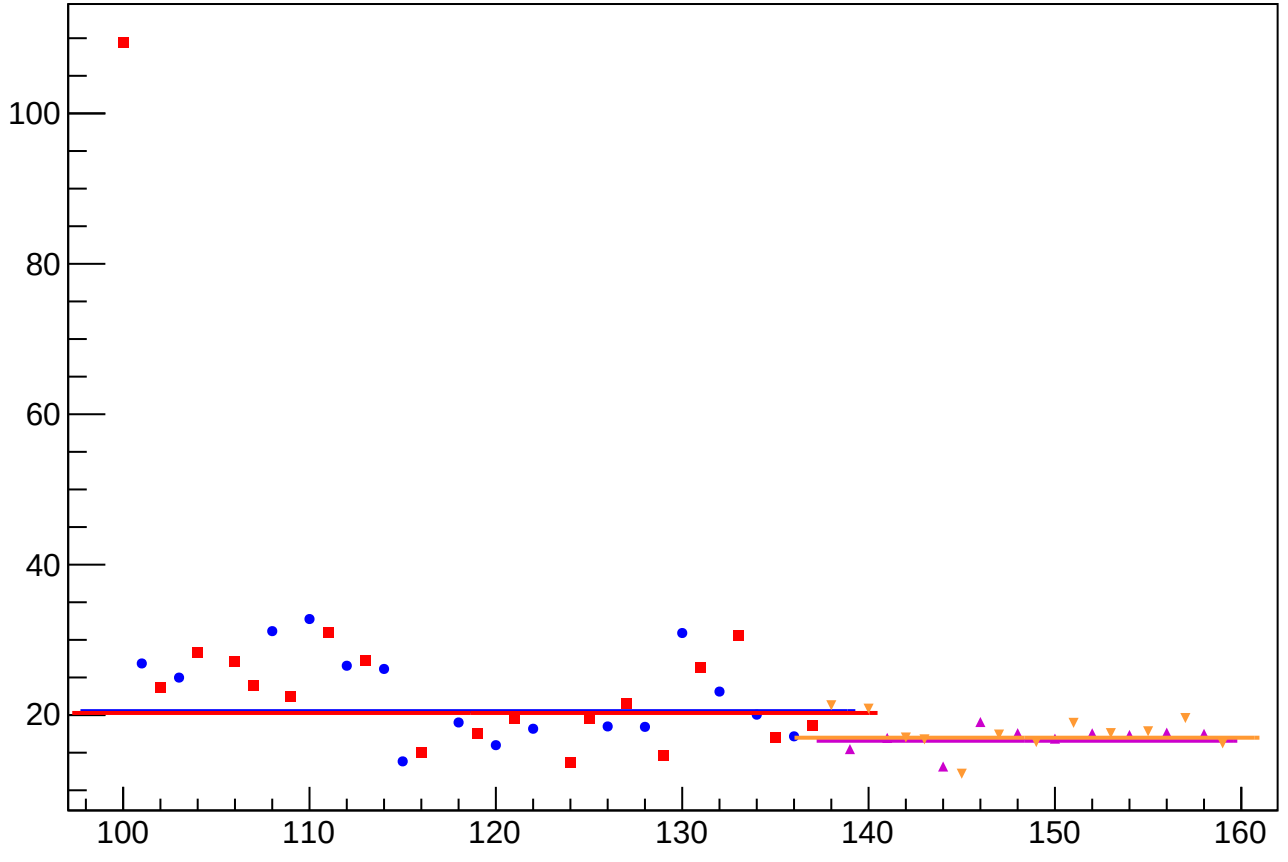
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.001+/-0.003 χ^2/NDF: 58.4/56

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: 16.992+/-0.004 χ^2/NDF:402945.4/11

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

Left: 16.793+/-0.003 χ^2/NDF: 581367.3/21

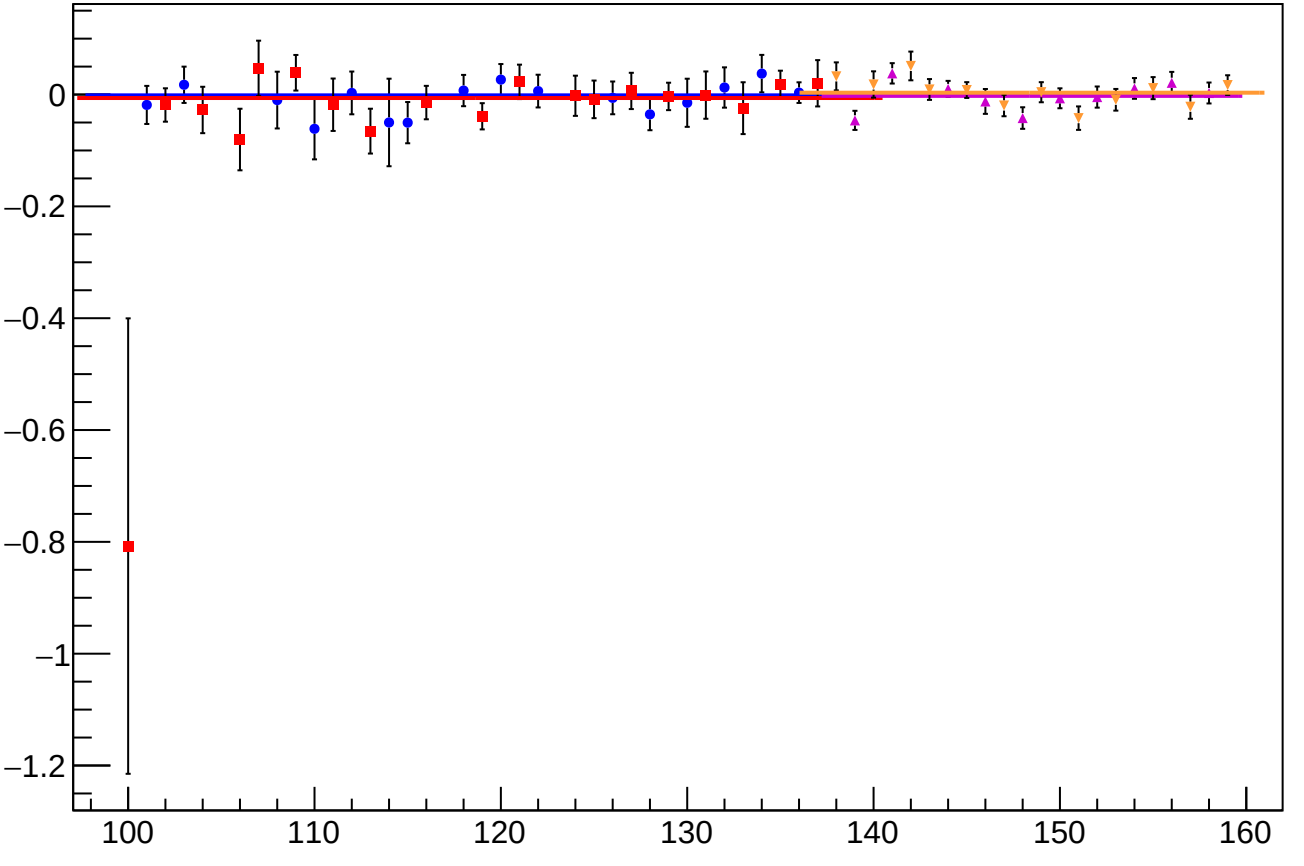
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.913+/-0.003 χ^2/NDF:1195369.1/25

Out: 18.103+/-0.003 χ^2/NDF:1497903.9/30

All: 18.010+/-0.002 χ^2/NDF: 2694966.6/56

asym_sam_1357_2468_dd_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+/-0.006 χ^2/NDF:14.1/11

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: 0.001+/-0.004 χ^2/NDF: 33.3/21

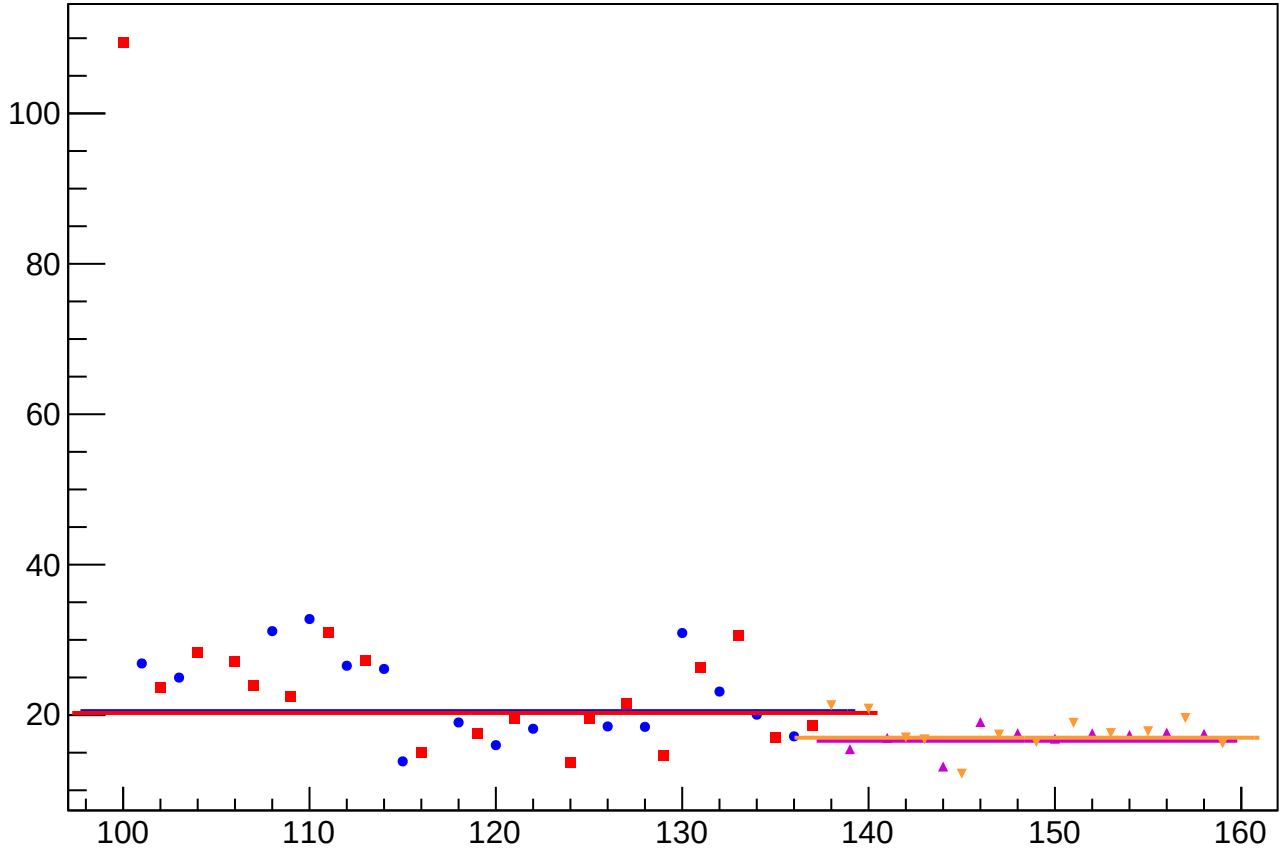
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.001+/-0.003 χ^2/NDF: 58.4/56

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: 16.992+/-0.004 χ^2/NDF:402945.4/11

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

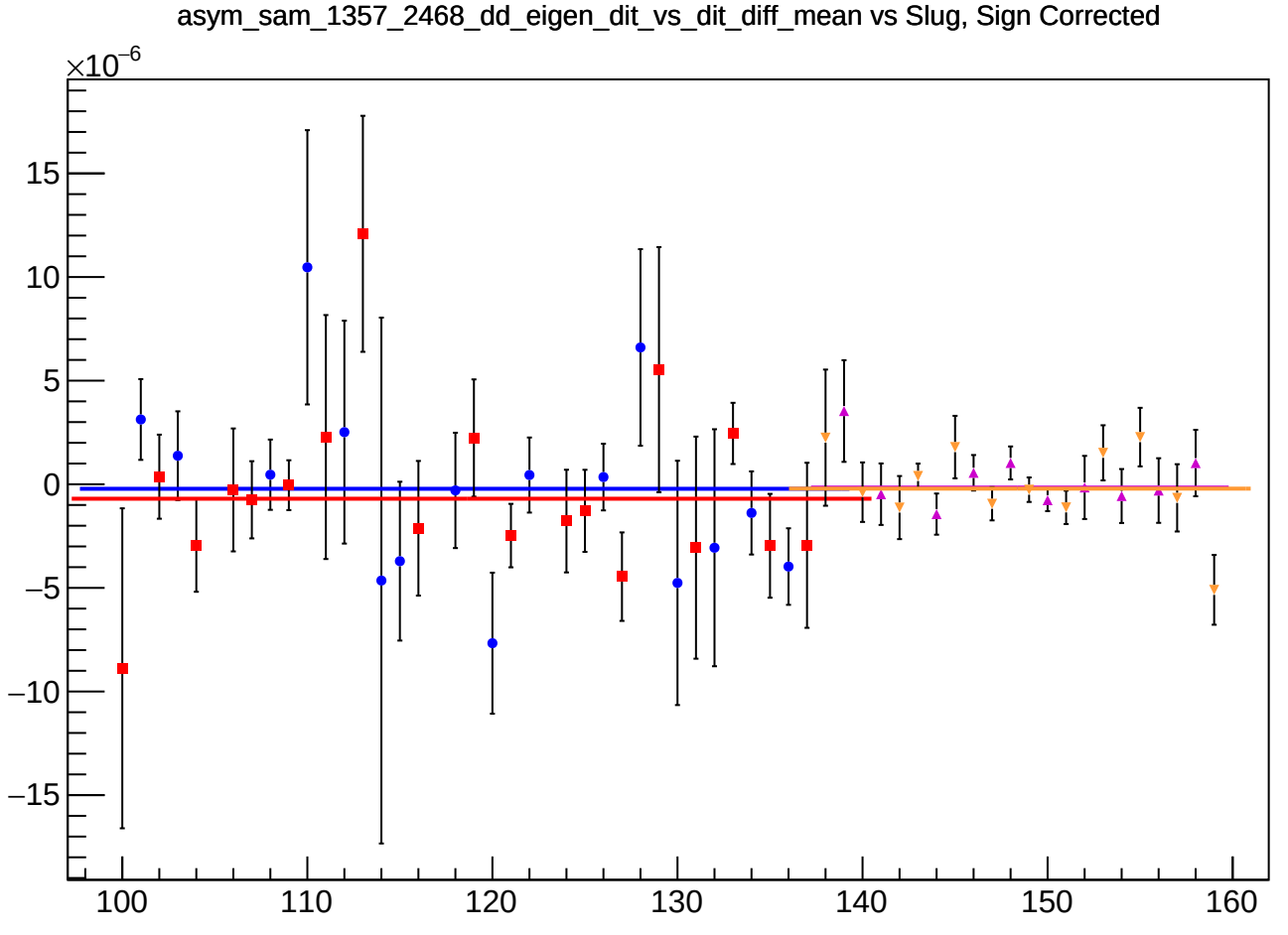
Left: 16.793+/-0.003 χ^2/NDF: 581367.3/21

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.913+/-0.003 χ^2/NDF:1195369.1/25

Out: 18.103+/-0.003 χ^2/NDF:1497903.9/30

All: 18.010+/-0.002 χ^2/NDF: 2694966.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

Left: -0.000+/-0.000 χ^2/NDF: 28.0/21

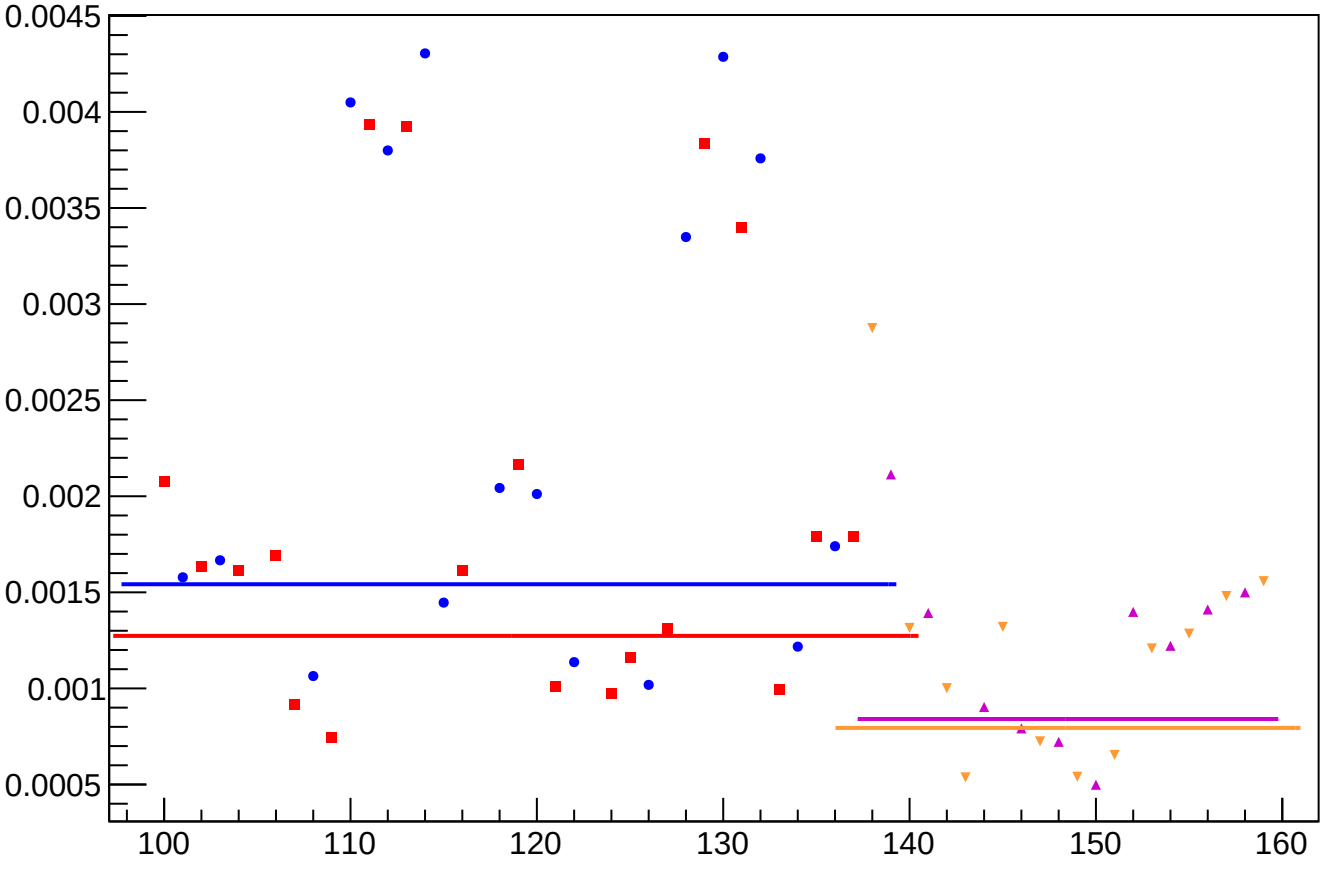
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:28.8/25

Out: -0.000+/-0.000 χ^2/NDF:40.8/30

All: -0.000+/-0.000 χ^2/NDF: 69.7/56

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:3366054.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2759824.7/9

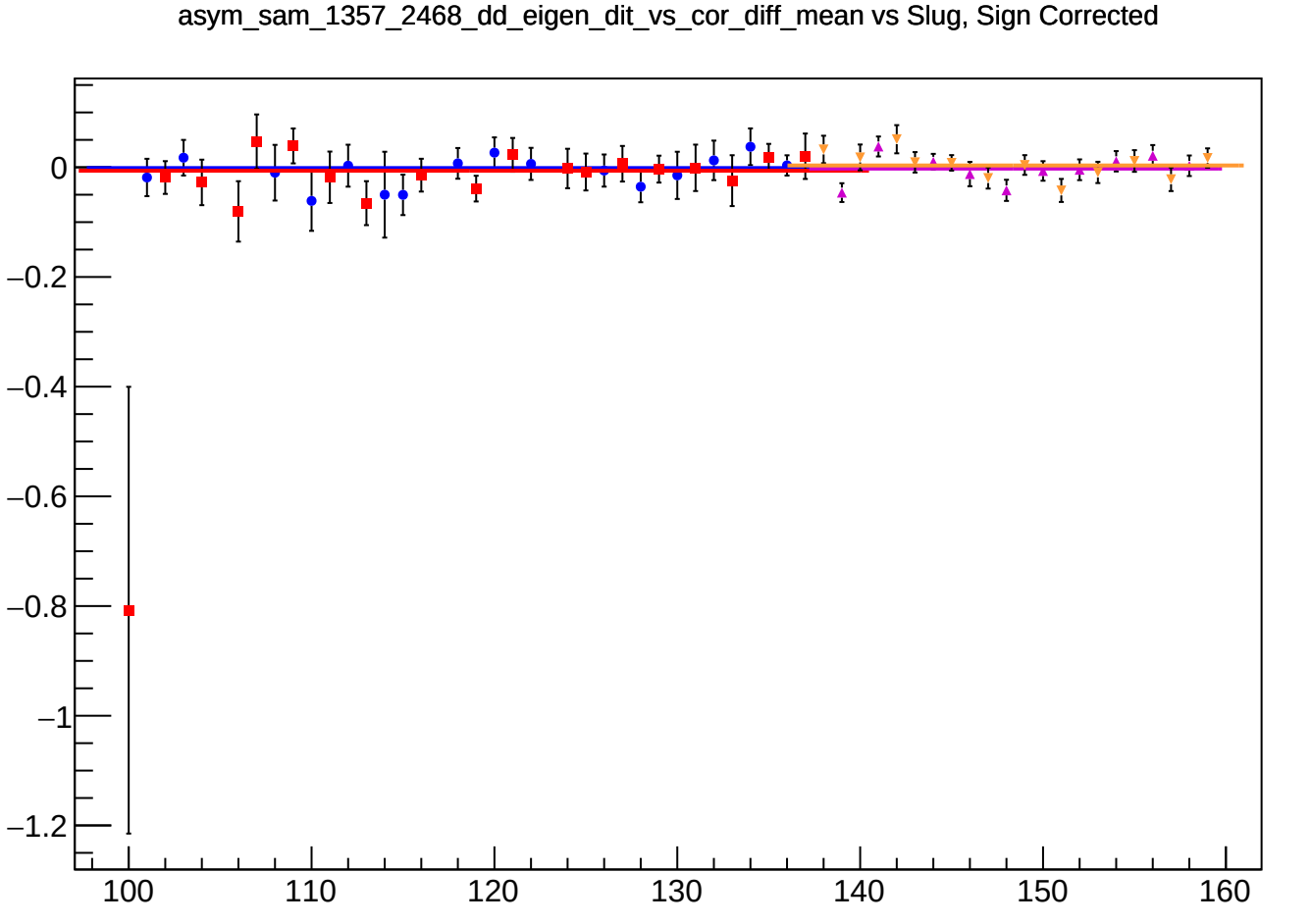
Left: 0.001+/-0.000 χ^2/NDF: 6149378.7/21

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:7151953.4/25

Out: 0.001+/-0.000 χ^2/NDF:7315242.9/30

All: 0.001+/-0.000 χ^2/NDF: 14547508.8/56



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.006 χ^2/NDF:14.1/11

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: 0.001+/-0.004 χ^2/NDF: 33.3/21

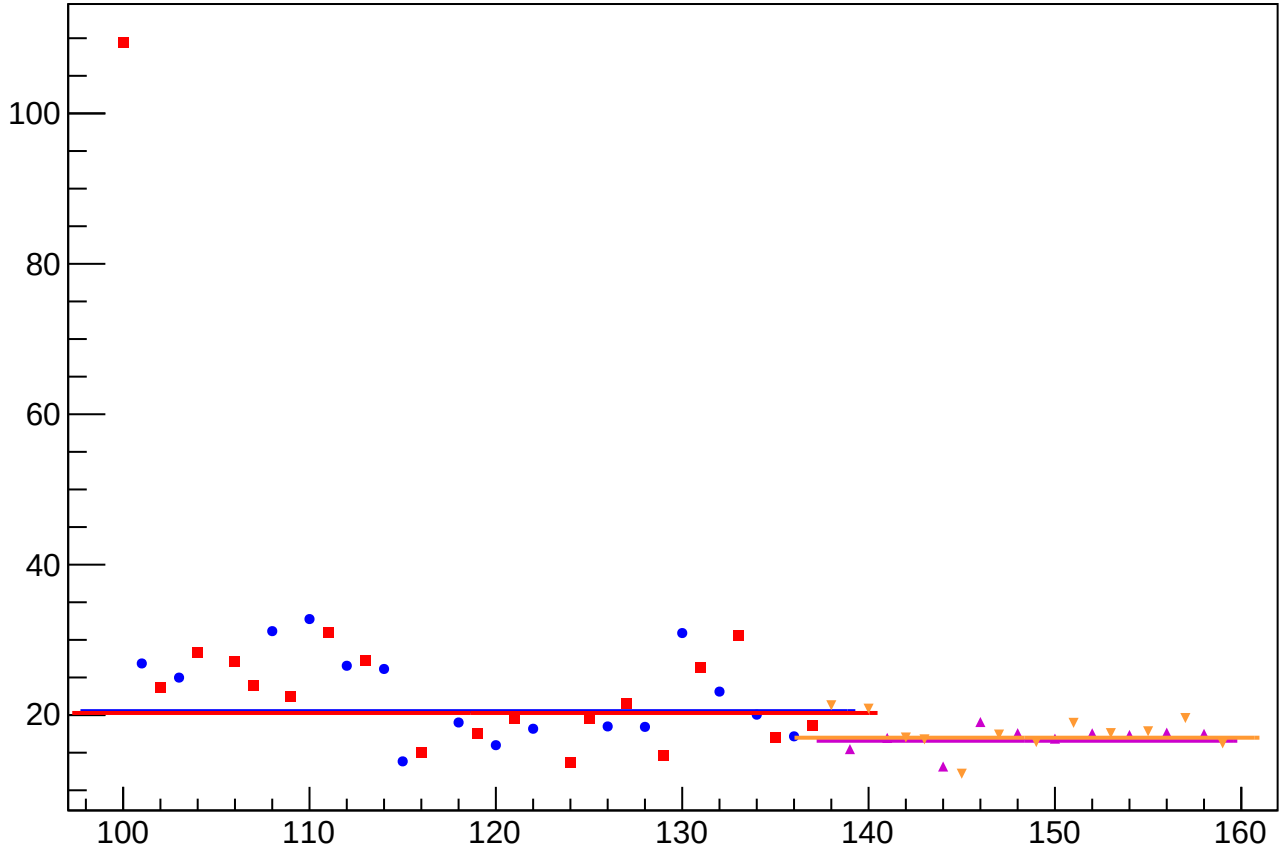
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.001+/-0.003 χ^2/NDF: 58.4/56

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: 16.992+/-0.004 χ^2/NDF:402896.7/11

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

Left: 16.793+/-0.003 χ^2/NDF: 581337.0/21

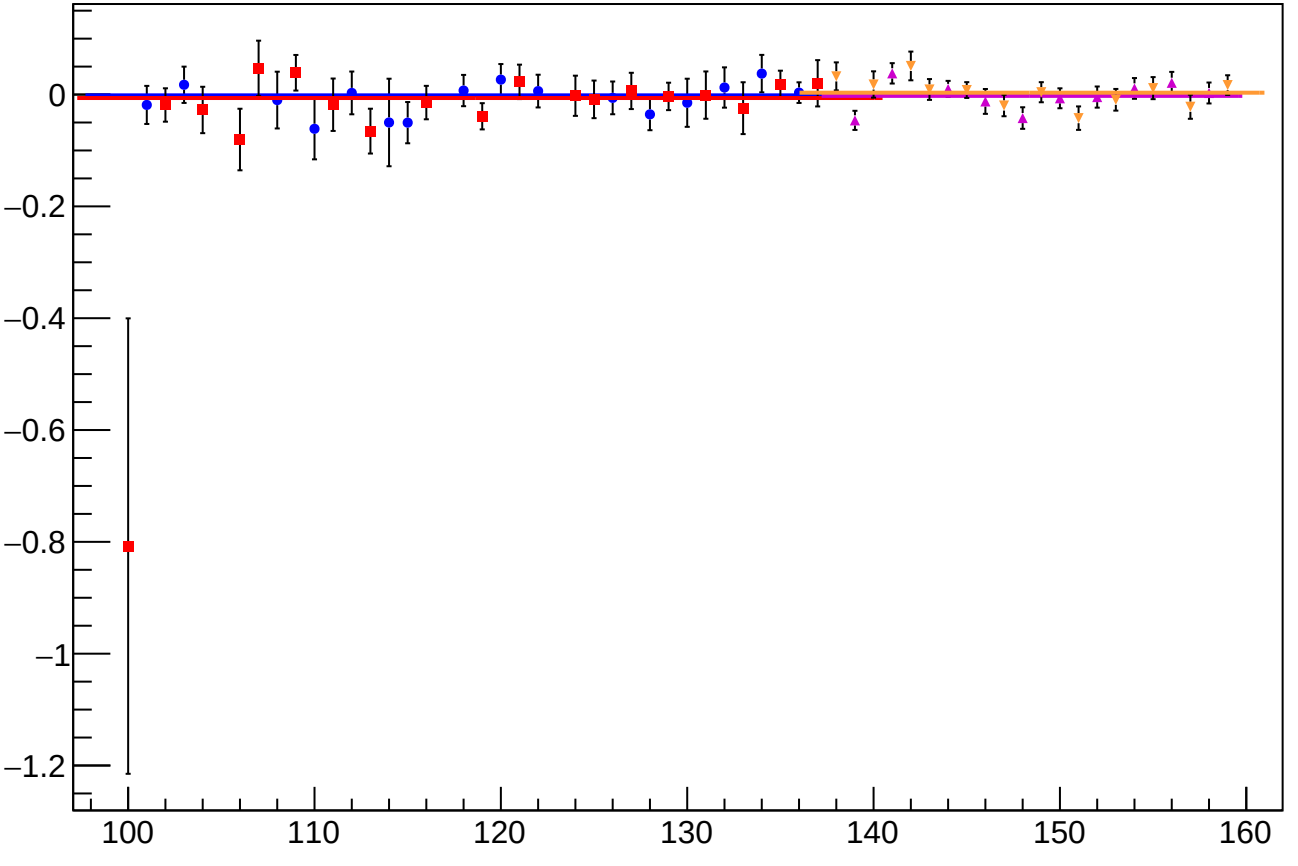
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.913+/-0.003 χ^2/NDF:1195171.2/25

Out: 18.103+/-0.003 χ^2/NDF:1497743.9/30

All: 18.010+/-0.002 χ^2/NDF: 2694609.5/56

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+/-0.006 χ^2/NDF:14.1/11

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: 0.001+/-0.004 χ^2/NDF: 33.3/21

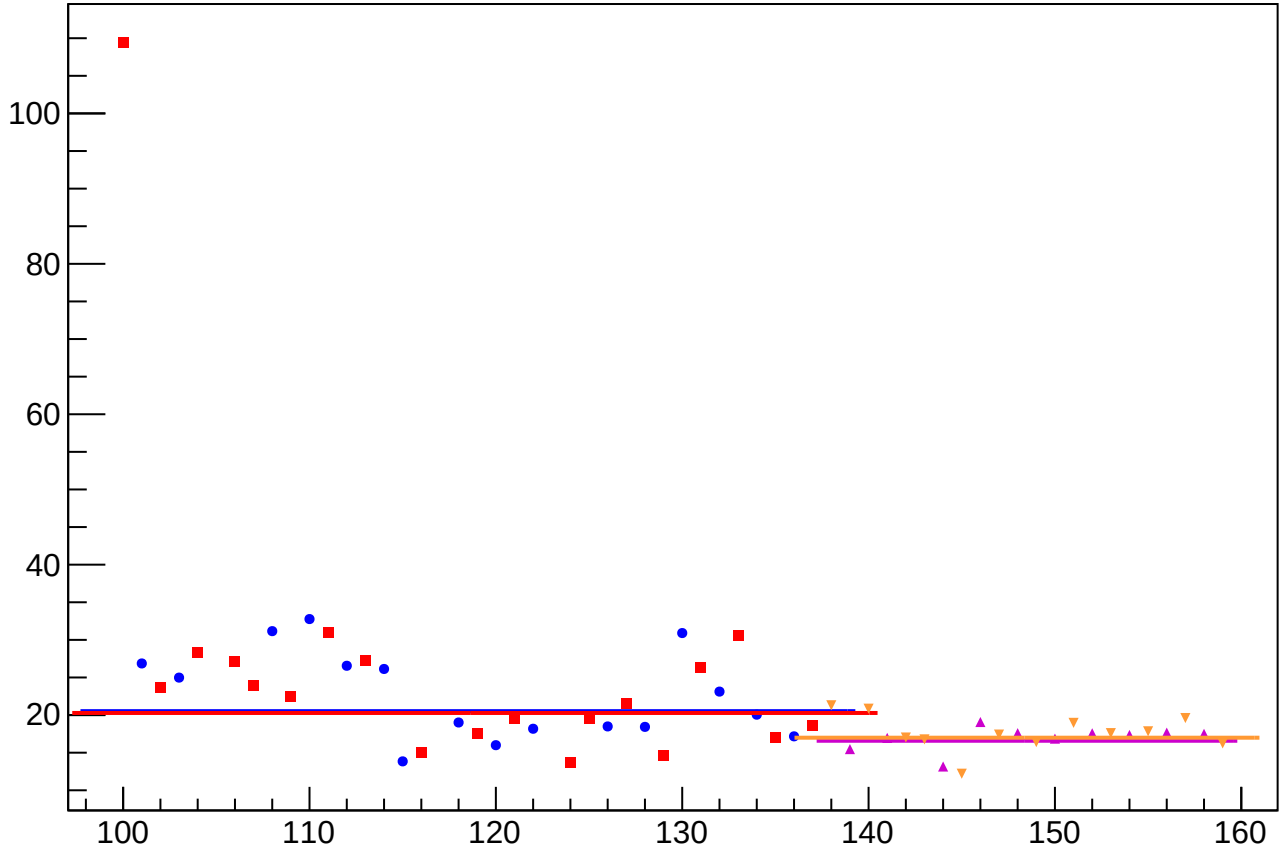
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.001+/-0.003 χ^2/NDF: 58.4/56

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: 16.992+/-0.004 χ^2/NDF:402896.7/11

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

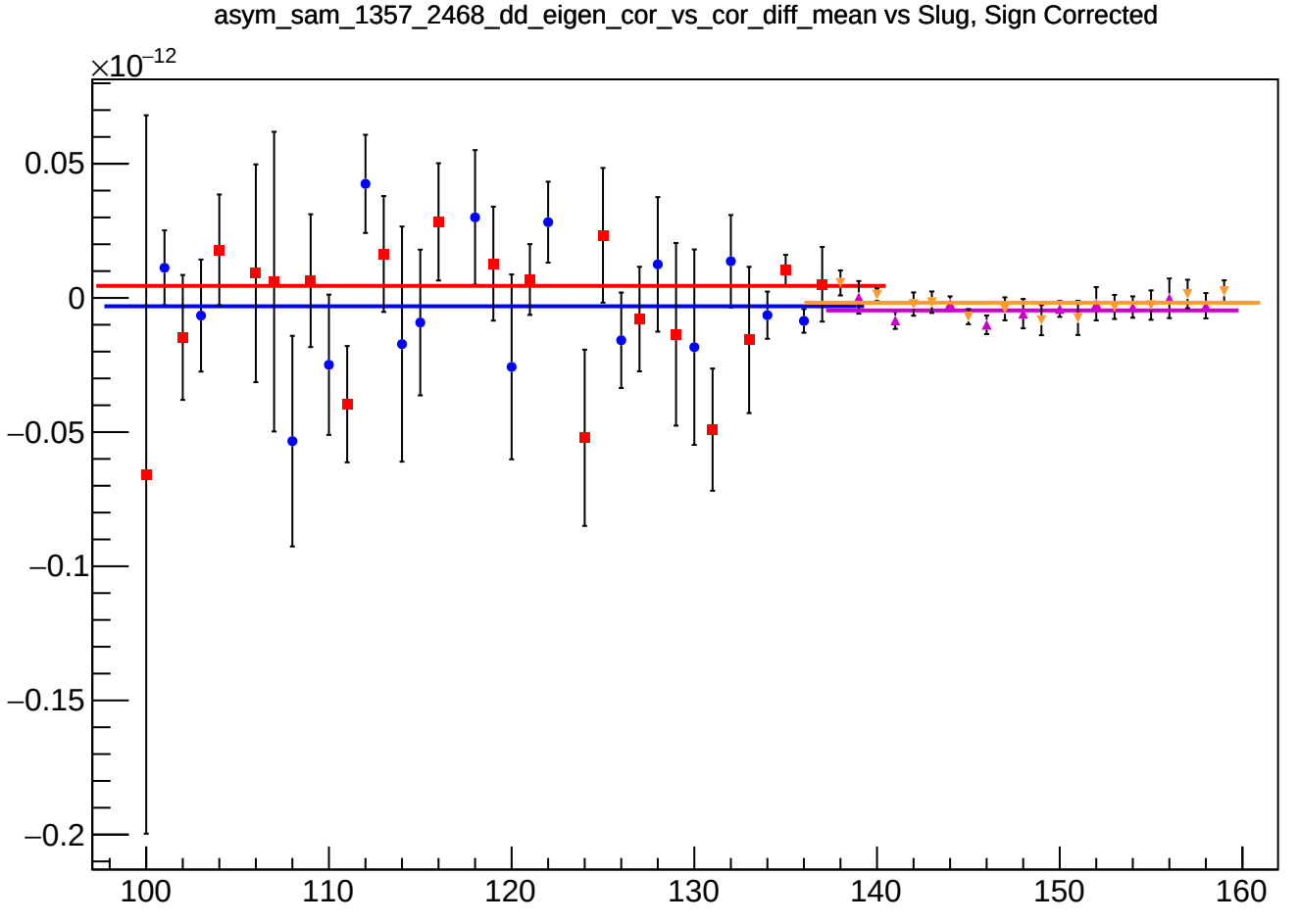
Left: 16.793+/-0.003 χ^2/NDF: 581337.0/21

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.913+/-0.003 χ^2/NDF:1195171.2/25

Out: 18.103+/-0.003 χ^2/NDF:1497743.9/30

All: 18.010+/-0.002 χ^2/NDF: 2694609.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

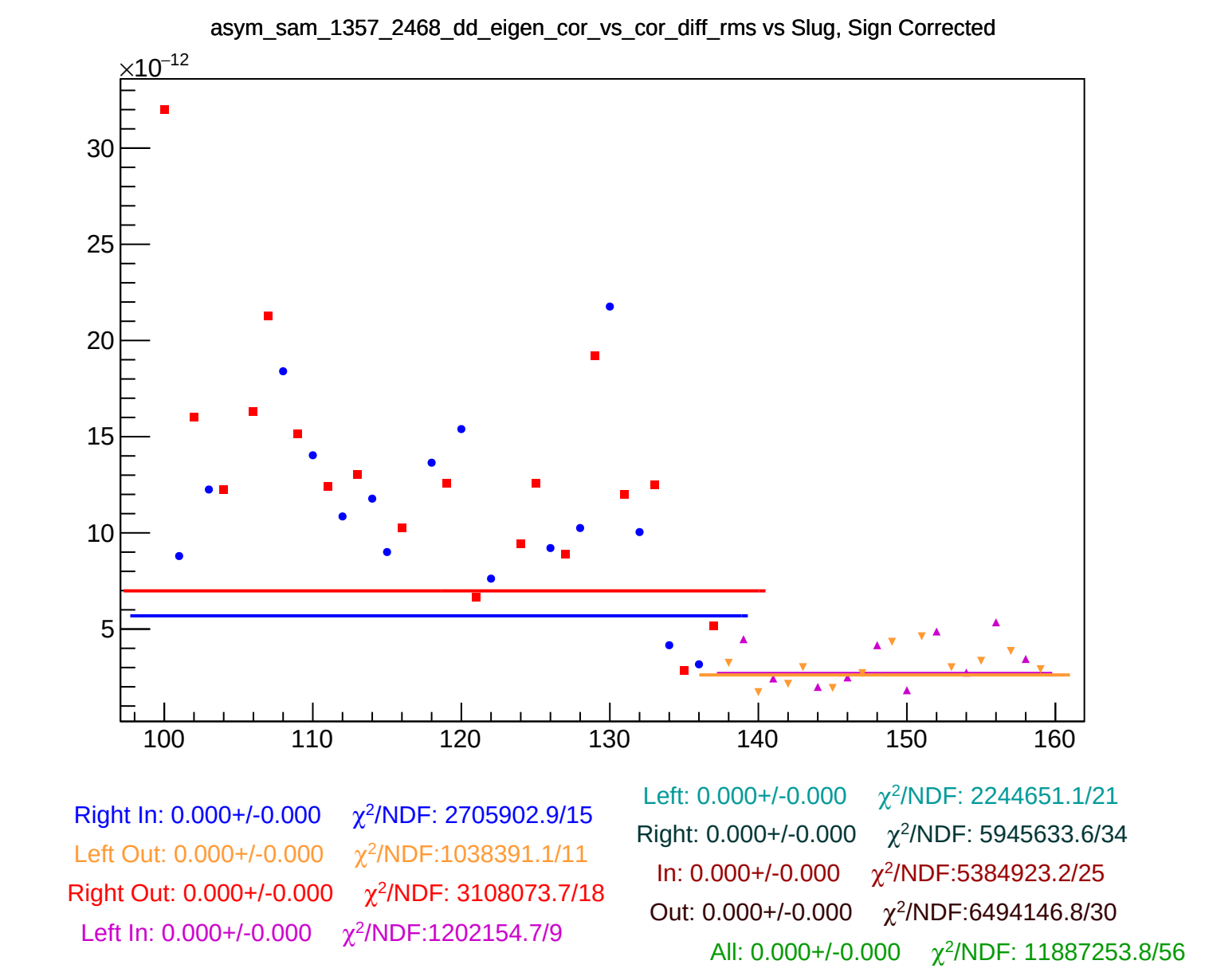
Left: -0.000+/-0.000 χ^2/NDF: 20.5/21

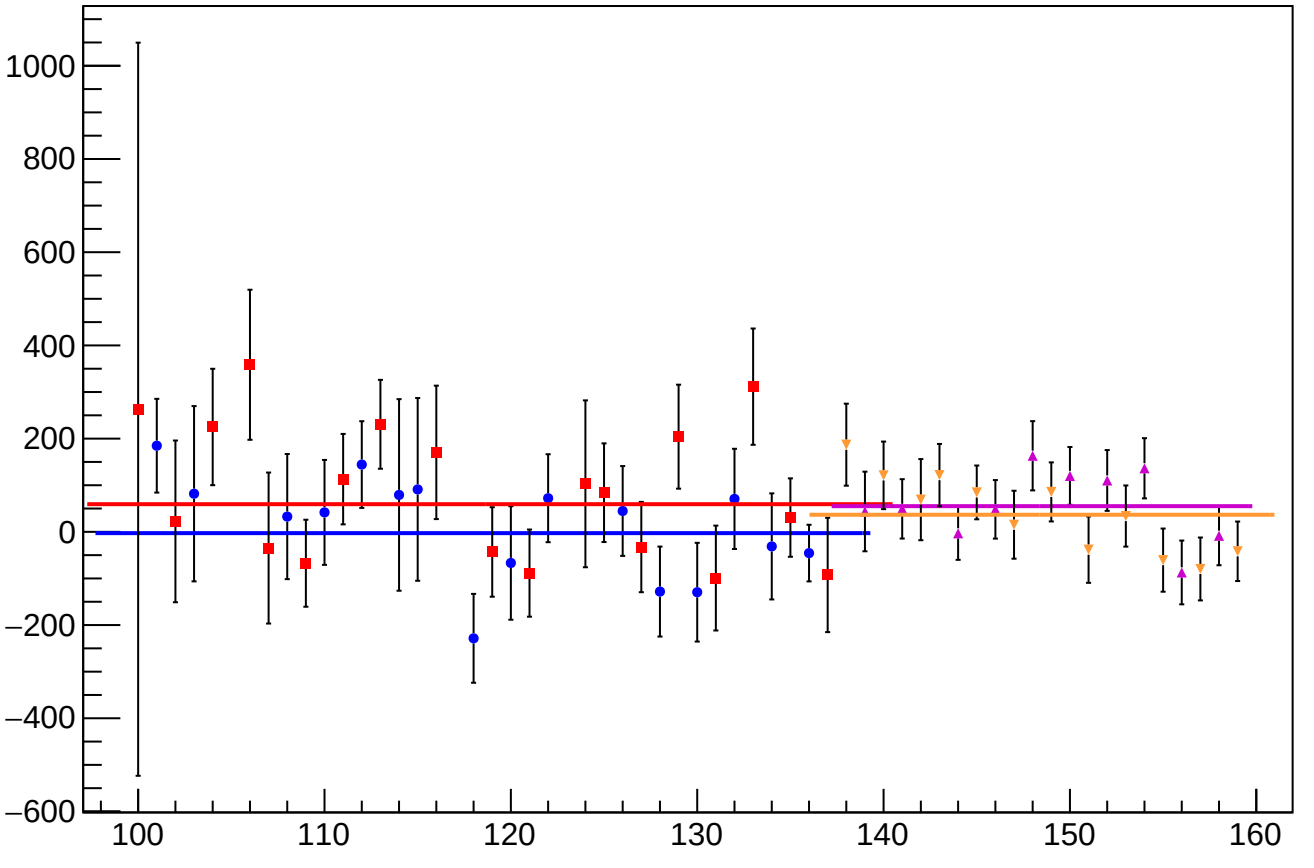
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:26.3/25

Out: -0.000+/-0.000 χ^2/NDF:32.5/30

All: -0.000+/-0.000 χ^2/NDF: 62.8/56


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1038391.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1202154.7/9
Left: 0.000+/-0.000 χ²/NDF: 2244651.1/21
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5384923.2/25
Out: 0.000+/-0.000 χ²/NDF:6494146.8/30
All: 0.000+/-0.000 χ²/NDF: 11887253.8/56



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 36.664+/-19.898 χ^2/NDF:15.1/11

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 55.103+/-20.736 χ^2/NDF:11.9/9

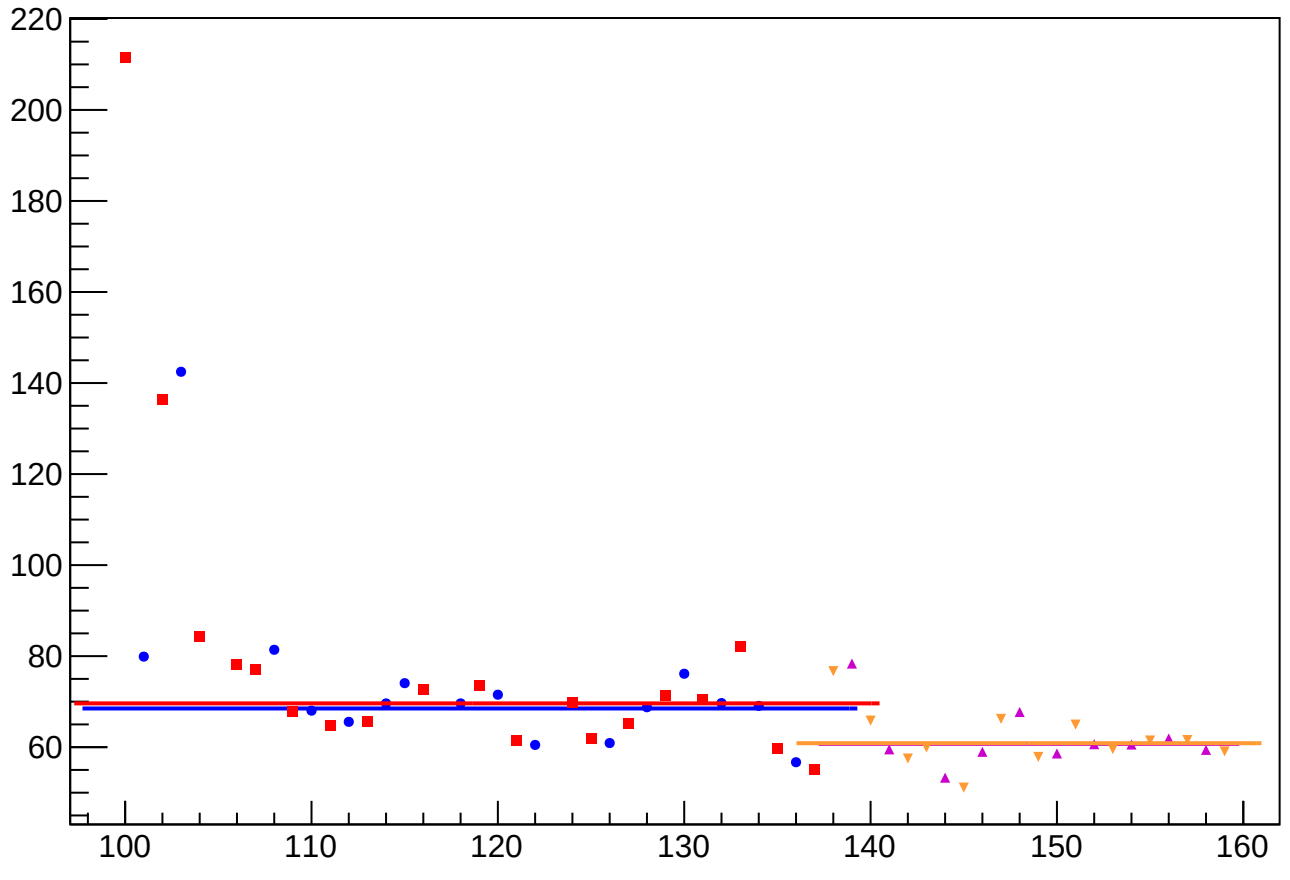
Left: 45.504+/-14.357 χ^2/NDF: 27.4/21

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 32.828+/-16.263 χ^2/NDF:32.6/25

Out: 44.889+/-15.886 χ^2/NDF:41.2/30

All: 39.000+/-11.364 χ^2/NDF: 74.2/56



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.871+/-0.014 χ^2/NDF:159307.2/11

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

Left: 60.799+/-0.010 χ^2/NDF: 302568.1/21

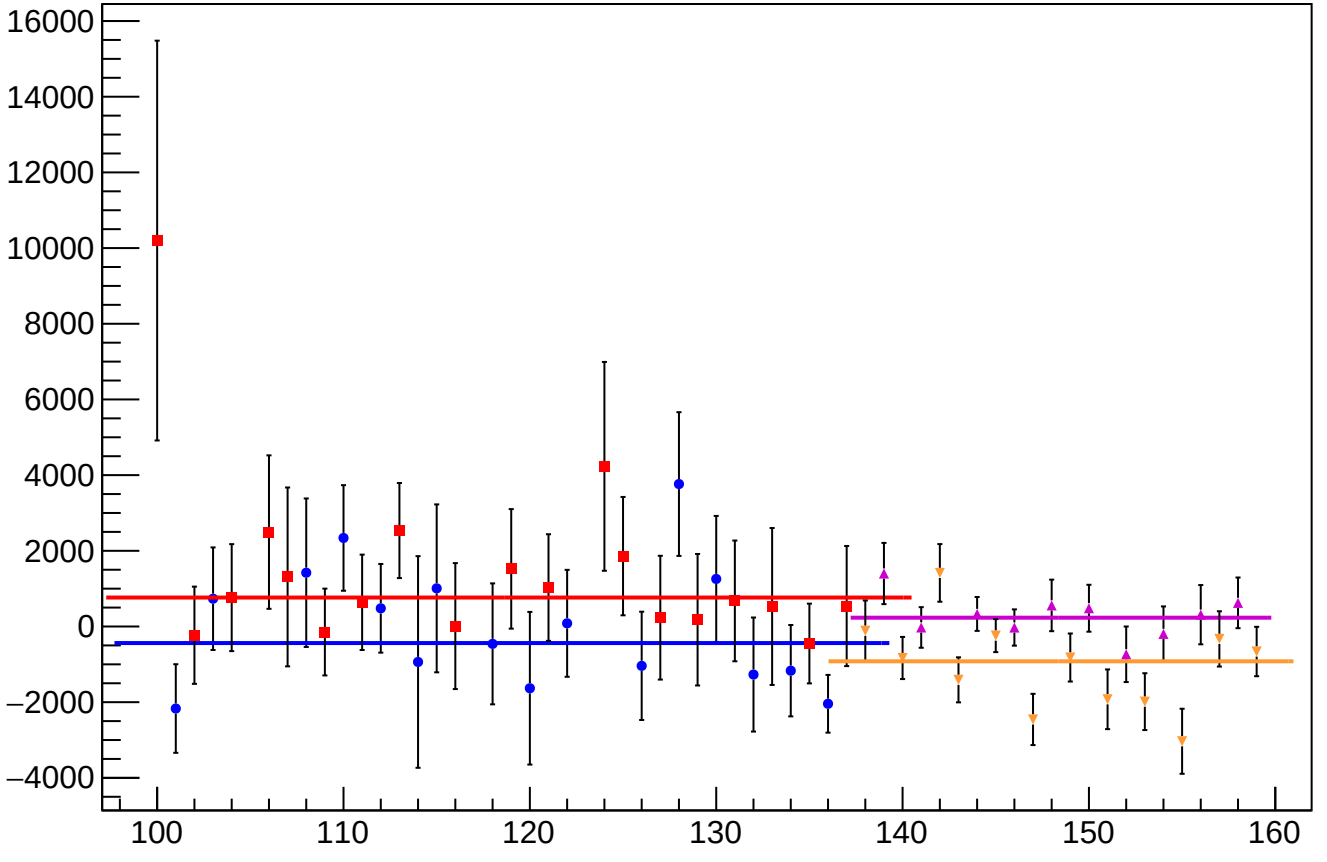
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.714+/-0.011 χ^2/NDF:723381.3/25

Out: 64.043+/-0.011 χ^2/NDF:819894.4/30

All: 63.883+/-0.008 χ^2/NDF: 1543694.2/56

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: -919.804+/-188.275 χ^2/NDF:29.2/11

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 232.657+/-193.436 χ^2/NDF:5.5/9

Left: -359.150+/-134.918 χ^2/NDF: 52.9/21

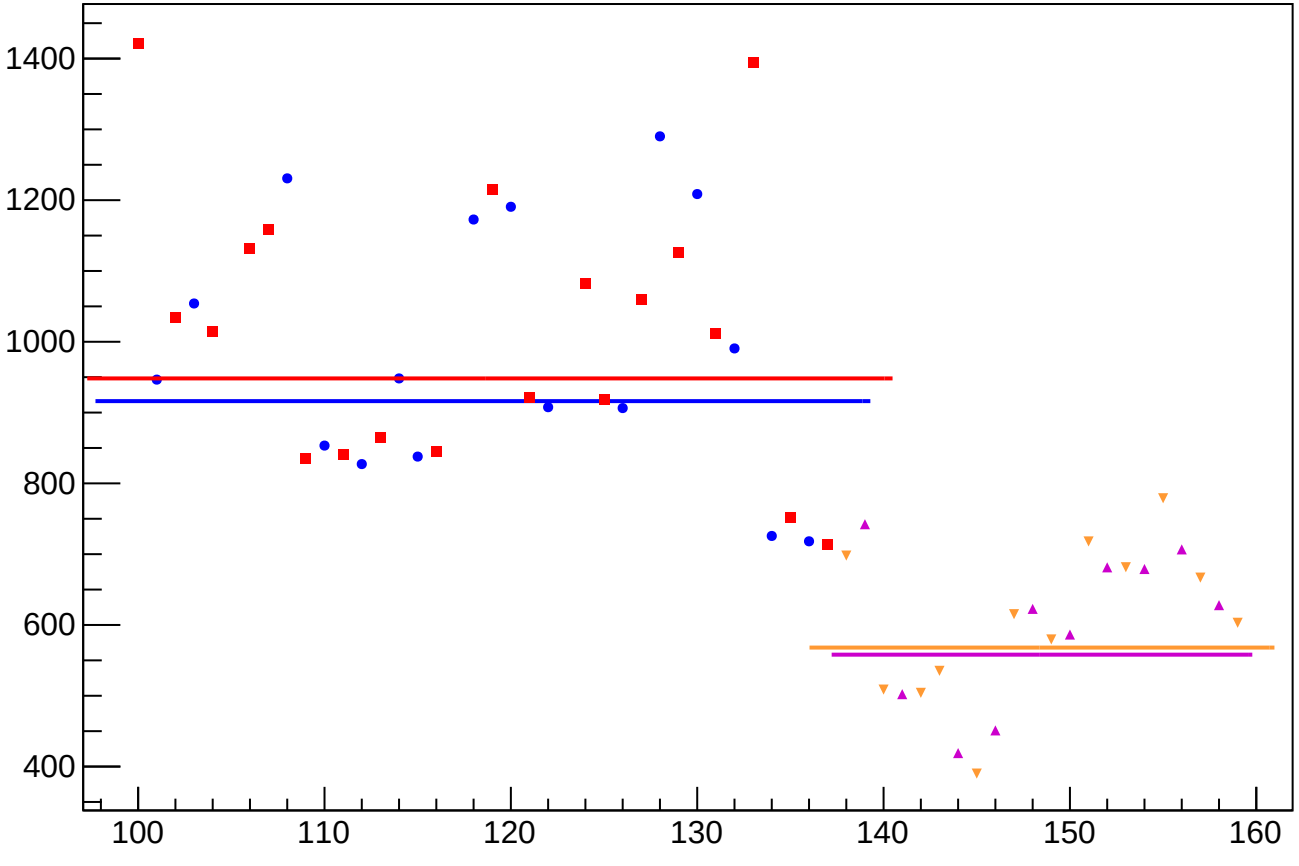
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 75.095+/-169.173 χ^2/NDF:28.9/25

Out: -546.682+/-166.129 χ^2/NDF:58.3/30

All: -241.437+/-118.532 χ^2/NDF: 94.0/56

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 568.067+/-0.133 χ^2/NDF:719551.4/11

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646126.2/9

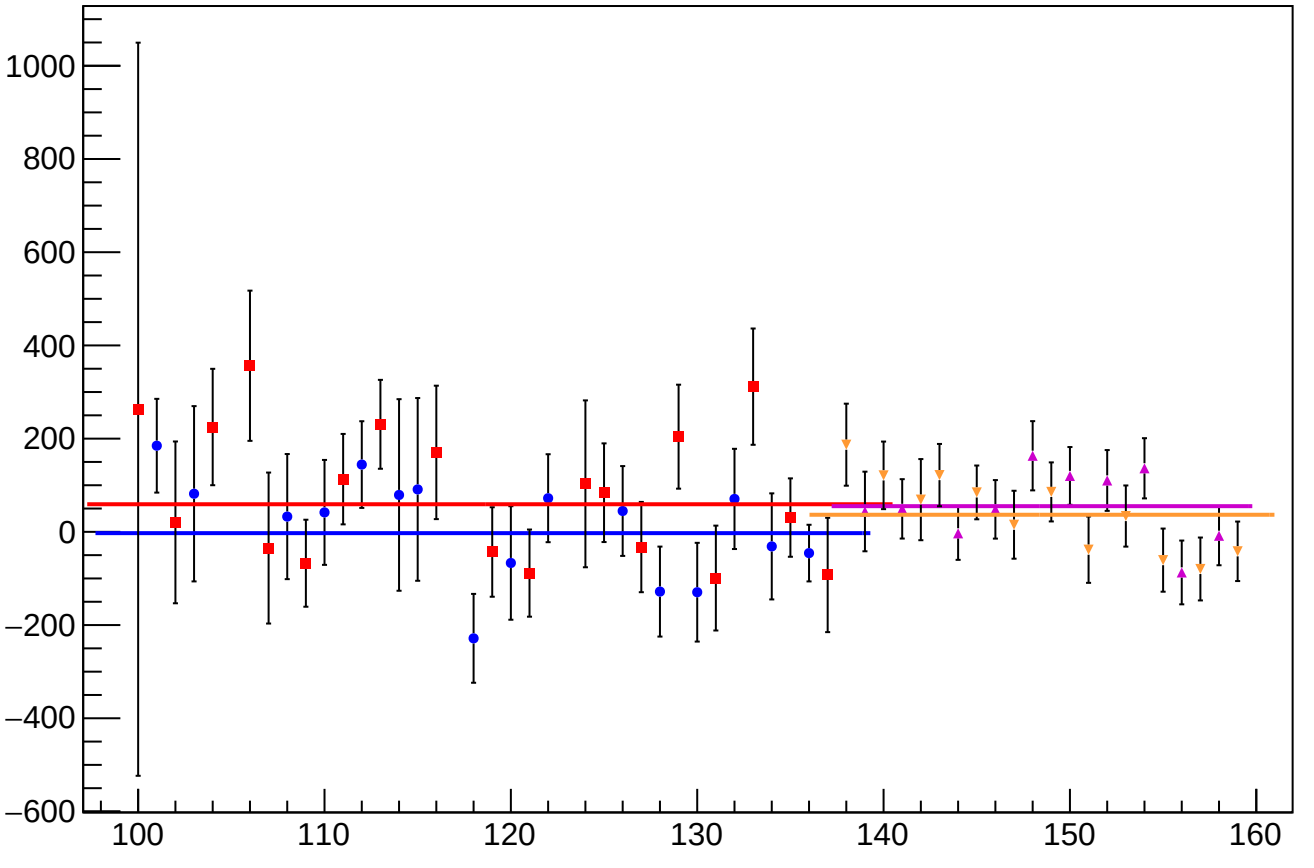
Left: 563.194+/-0.095 χ^2/NDF: 1368431.4/21

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 642.256+/-0.120 χ^2/NDF:2767096.5/25

Out: 652.243+/-0.117 χ^2/NDF:2940288.6/30

All: 647.340+/-0.084 χ^2/NDF: 5710933.9/56



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 36.666+/-19.898 χ^2/NDF:15.1/11

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 55.105+/-20.736 χ^2/NDF:11.9/9

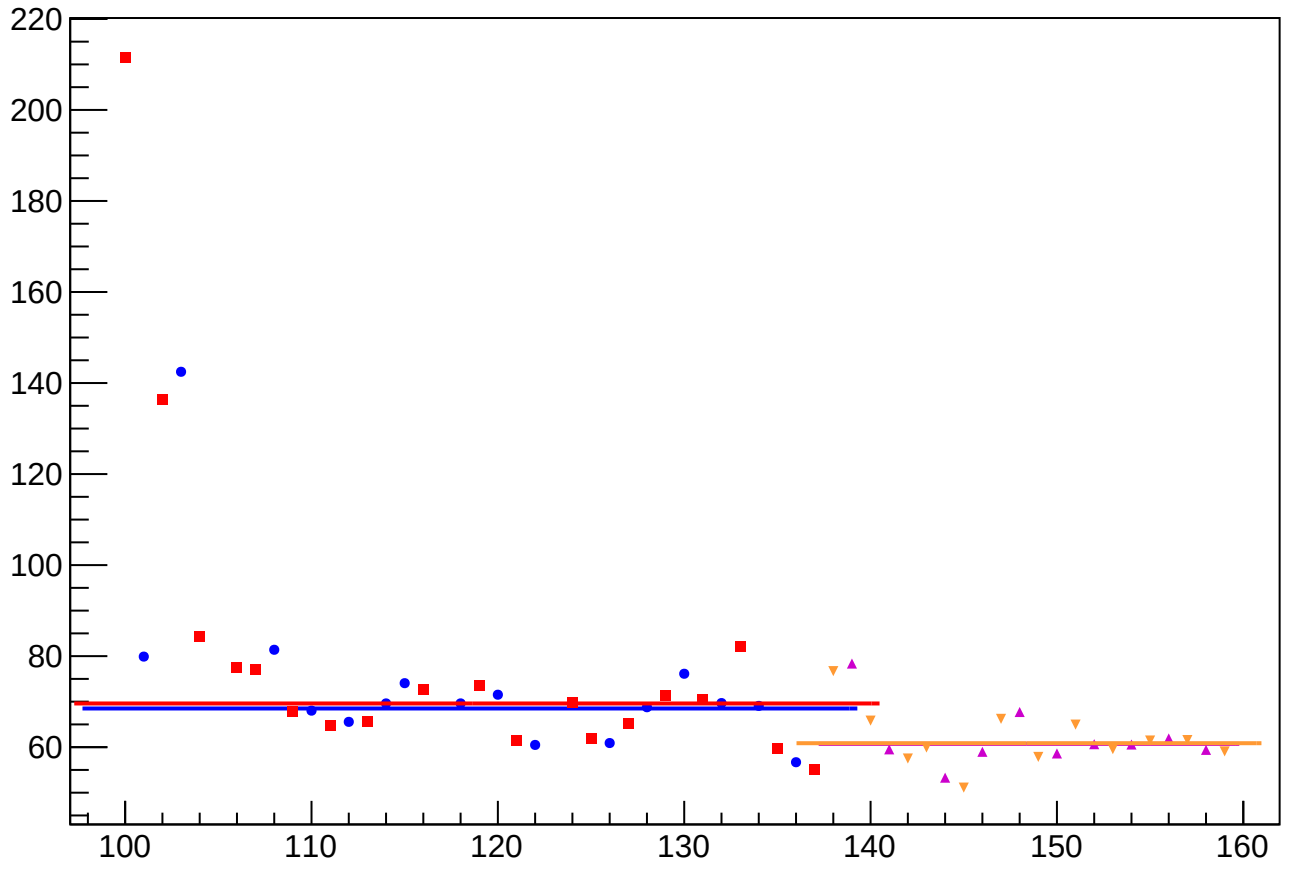
Left: 45.506+/-14.357 χ^2/NDF: 27.4/21

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 32.827+/-16.263 χ^2/NDF:32.6/25

Out: 44.846+/-15.887 χ^2/NDF:41.2/30

All: 38.977+/-11.364 χ^2/NDF: 74.1/56



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.871+/-0.014 χ^2/NDF:159307.2/11

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

Left: 60.799+/-0.010 χ^2/NDF: 302568.1/21

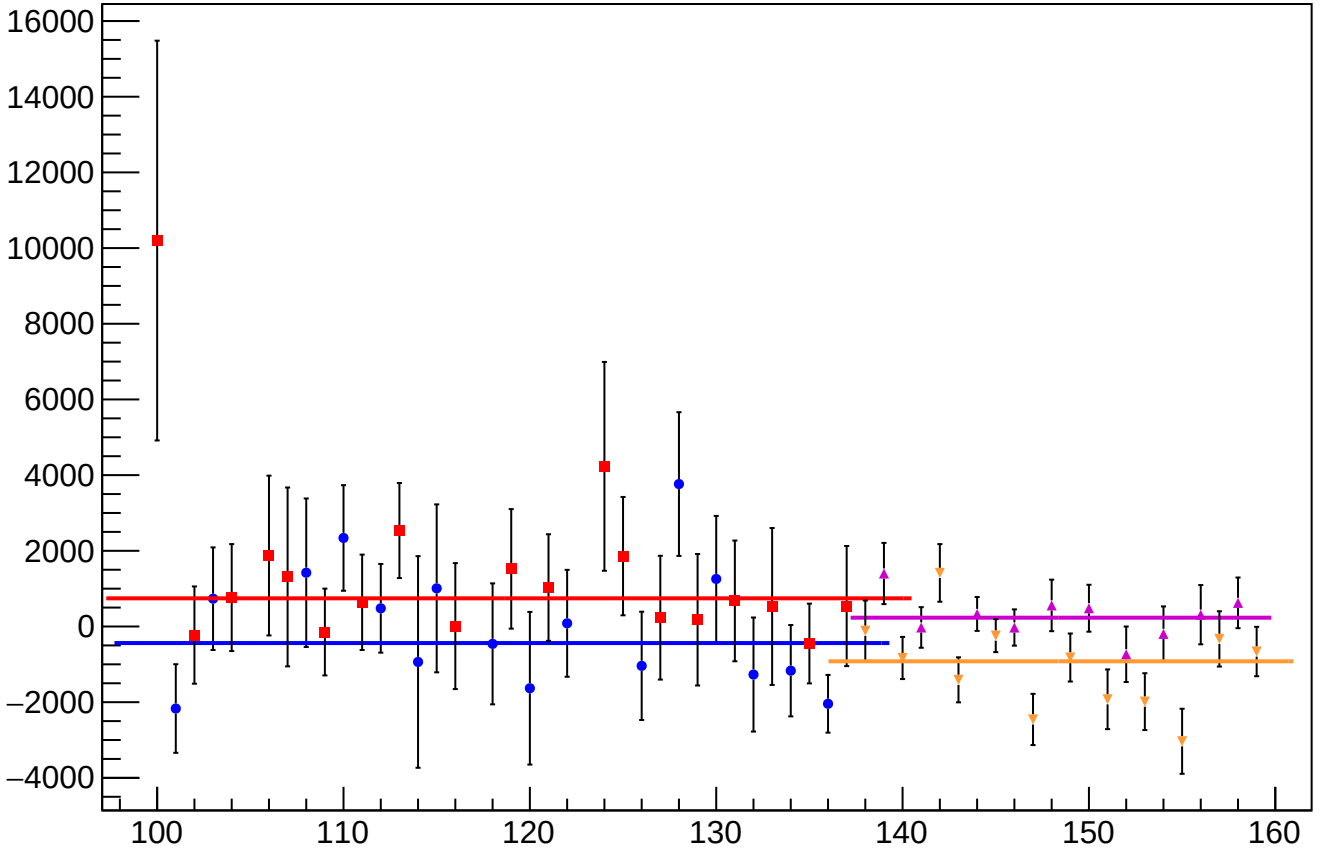
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.714+/-0.011 χ^2/NDF:723384.3/25

Out: 64.036+/-0.011 χ^2/NDF:818655.8/30

All: 63.879+/-0.008 χ^2/NDF: 1542440.6/56

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -919.800+/-188.275 χ^2/NDF:29.2/11

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 232.660+/-193.436 χ^2/NDF:5.5/9

Left: -359.147+/-134.918 χ^2/NDF: 52.9/21

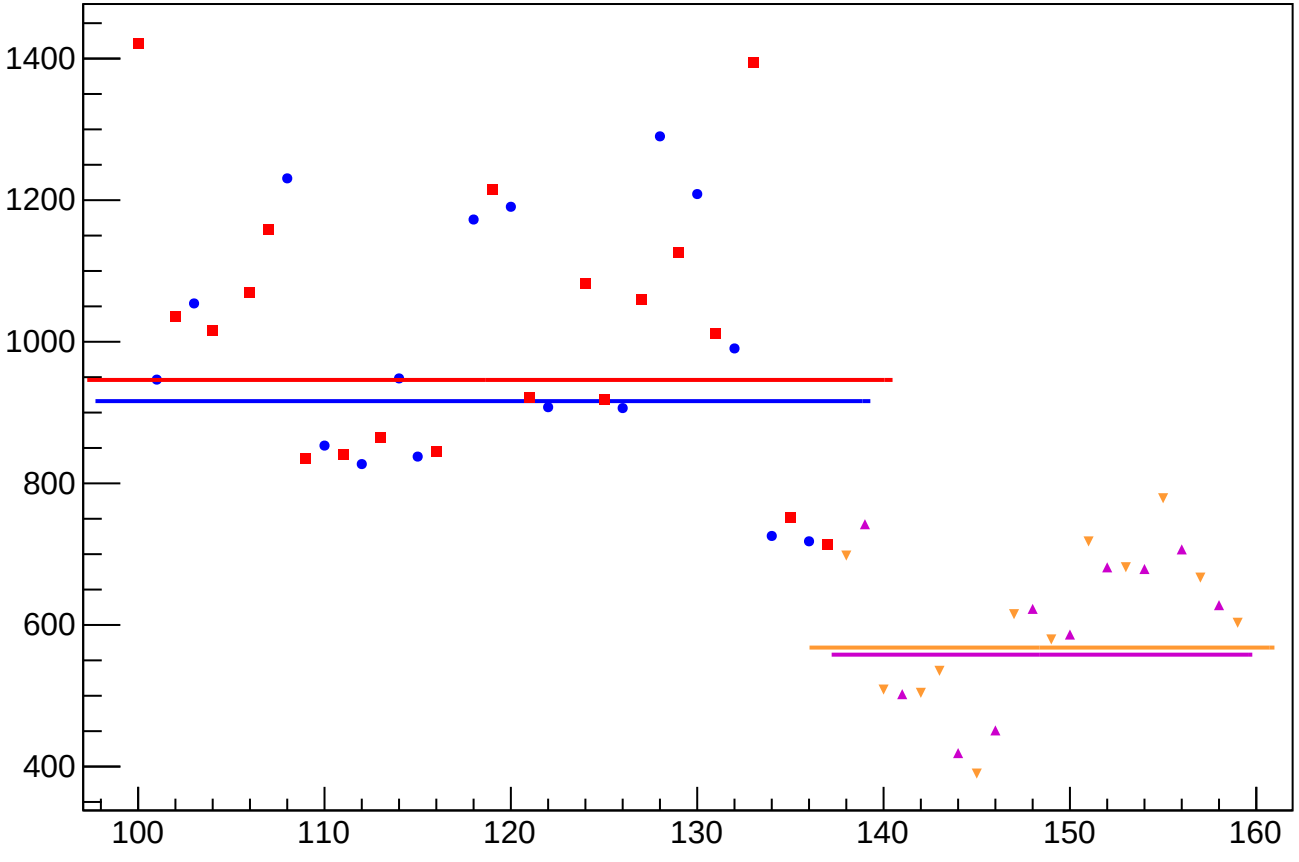
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 75.106+/-169.173 χ^2/NDF:28.9/25

Out: -552.026+/-166.174 χ^2/NDF:57.4/30

All: -244.067+/-118.549 χ^2/NDF: 93.2/56

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: 568.067+/-0.133 χ^2/NDF:719554.8/11

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

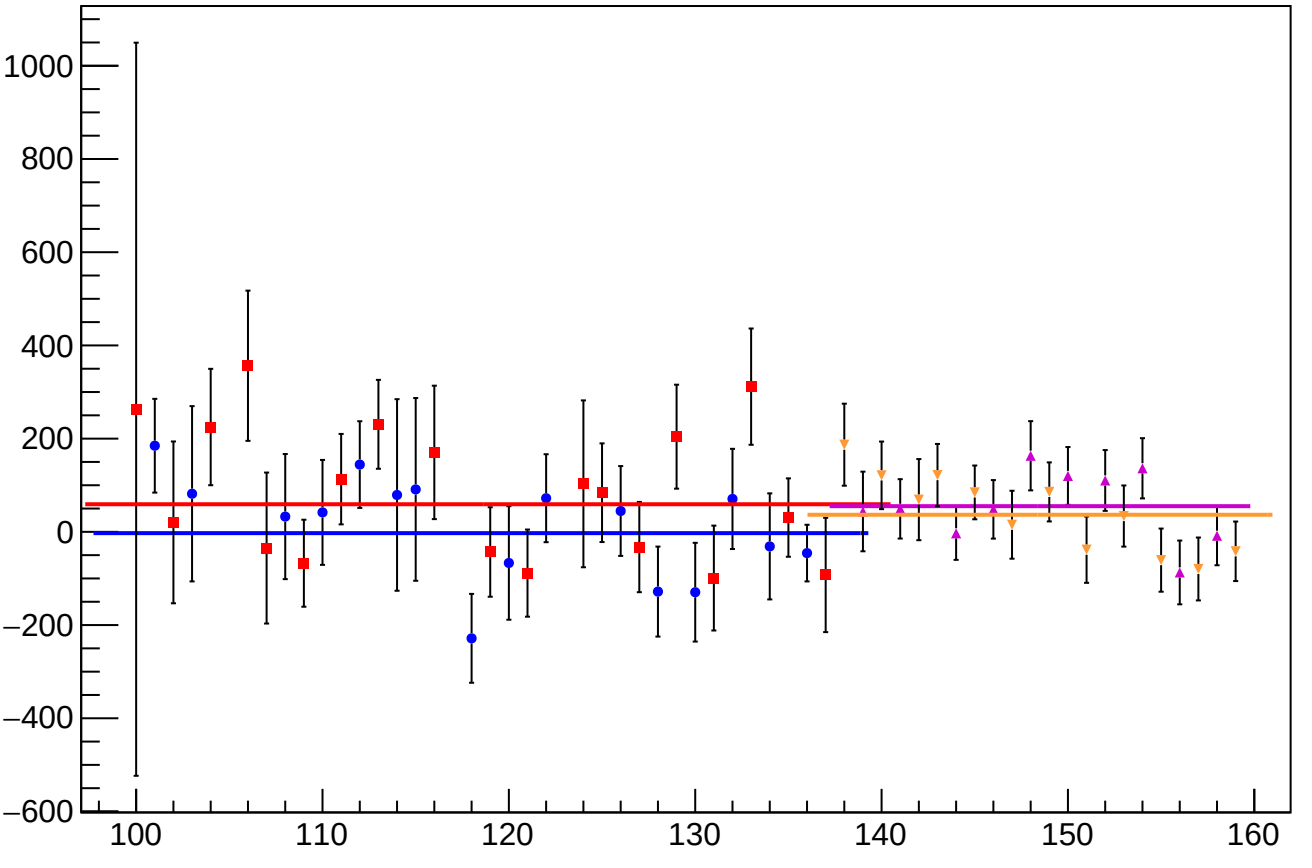
Left: 563.194+/-0.095 χ^2/NDF: 1368432.6/21

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 642.256+/-0.120 χ^2/NDF:2767137.0/25

Out: 651.608+/-0.118 χ^2/NDF:2906789.7/30

All: 647.016+/-0.084 χ^2/NDF: 5677037.3/56



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 36.666+/-19.898 χ^2/NDF:15.1/11

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 55.105+/-20.736 χ^2/NDF:11.9/9

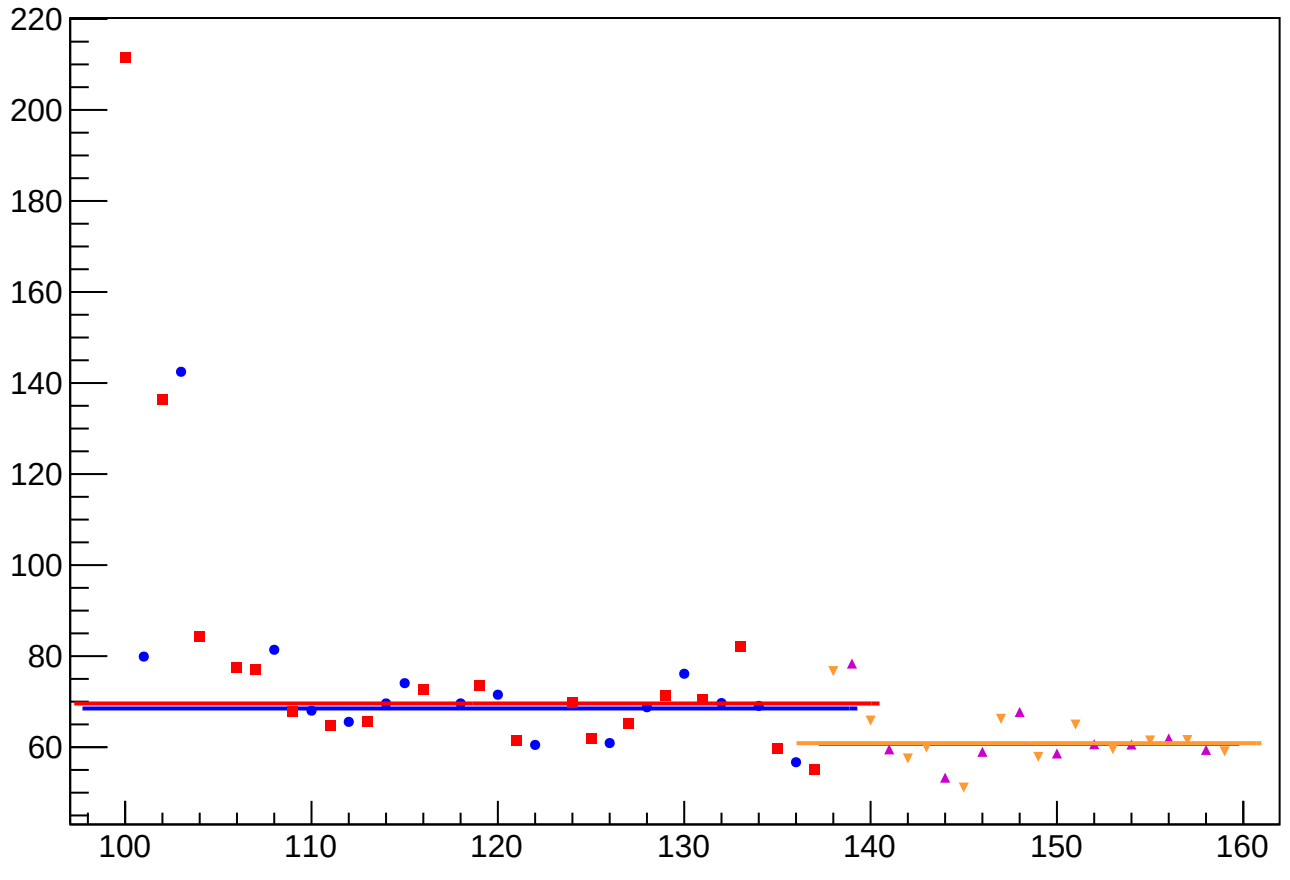
Left: 45.506+/-14.357 χ^2/NDF: 27.4/21

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 32.827+/-16.263 χ^2/NDF:32.6/25

Out: 44.846+/-15.887 χ^2/NDF:41.2/30

All: 38.977+/-11.364 χ^2/NDF: 74.1/56



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.871+/-0.014 χ^2/NDF:159307.2/11

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

Left: 60.799+/-0.010 χ^2/NDF: 302568.1/21

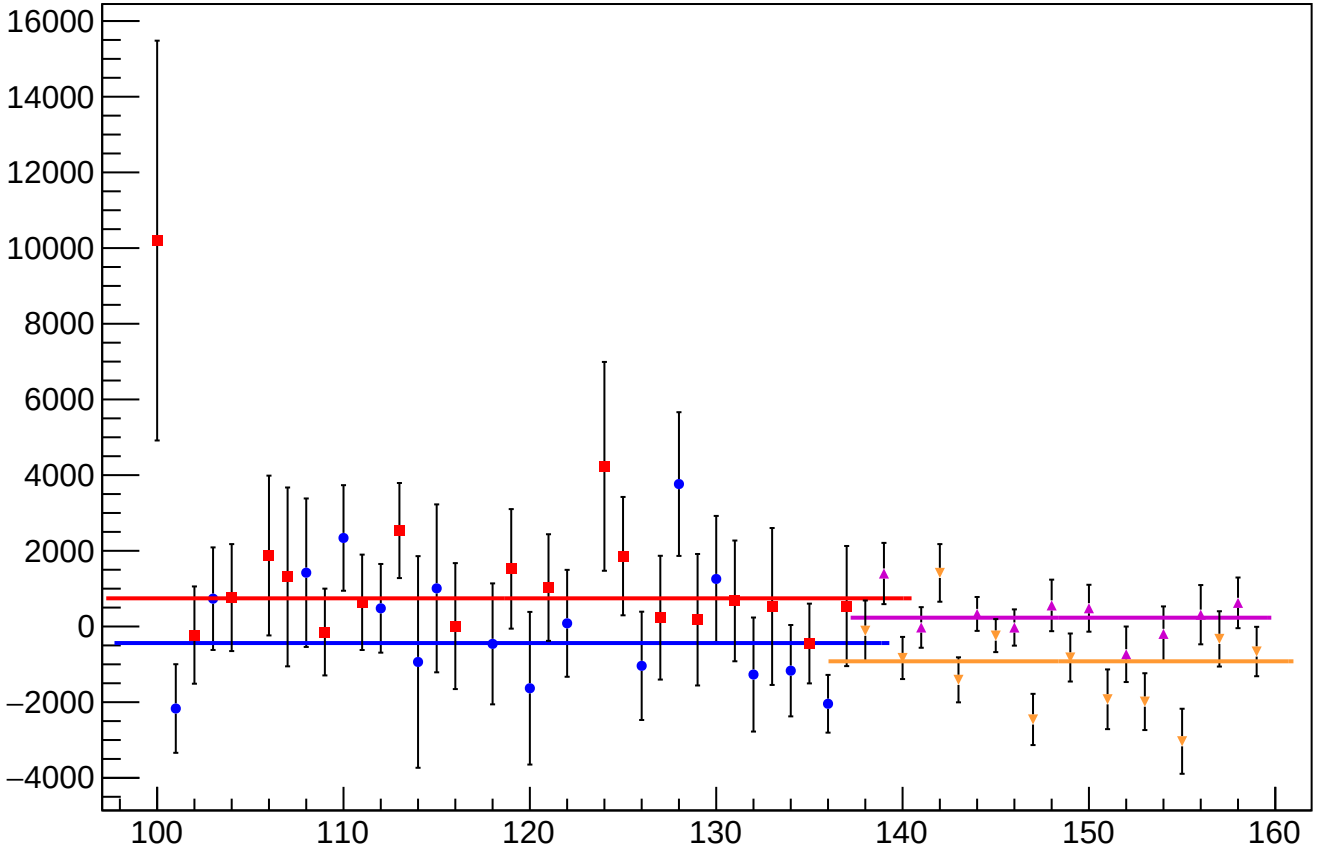
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.714+/-0.011 χ^2/NDF:723384.3/25

Out: 64.036+/-0.011 χ^2/NDF:818655.8/30

All: 63.879+/-0.008 χ^2/NDF: 1542440.6/56

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: -919.800+/-188.275 χ^2/NDF:29.2/11

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 232.660+/-193.436 χ^2/NDF:5.5/9

Left: -359.147+/-134.918 χ^2/NDF: 52.9/21

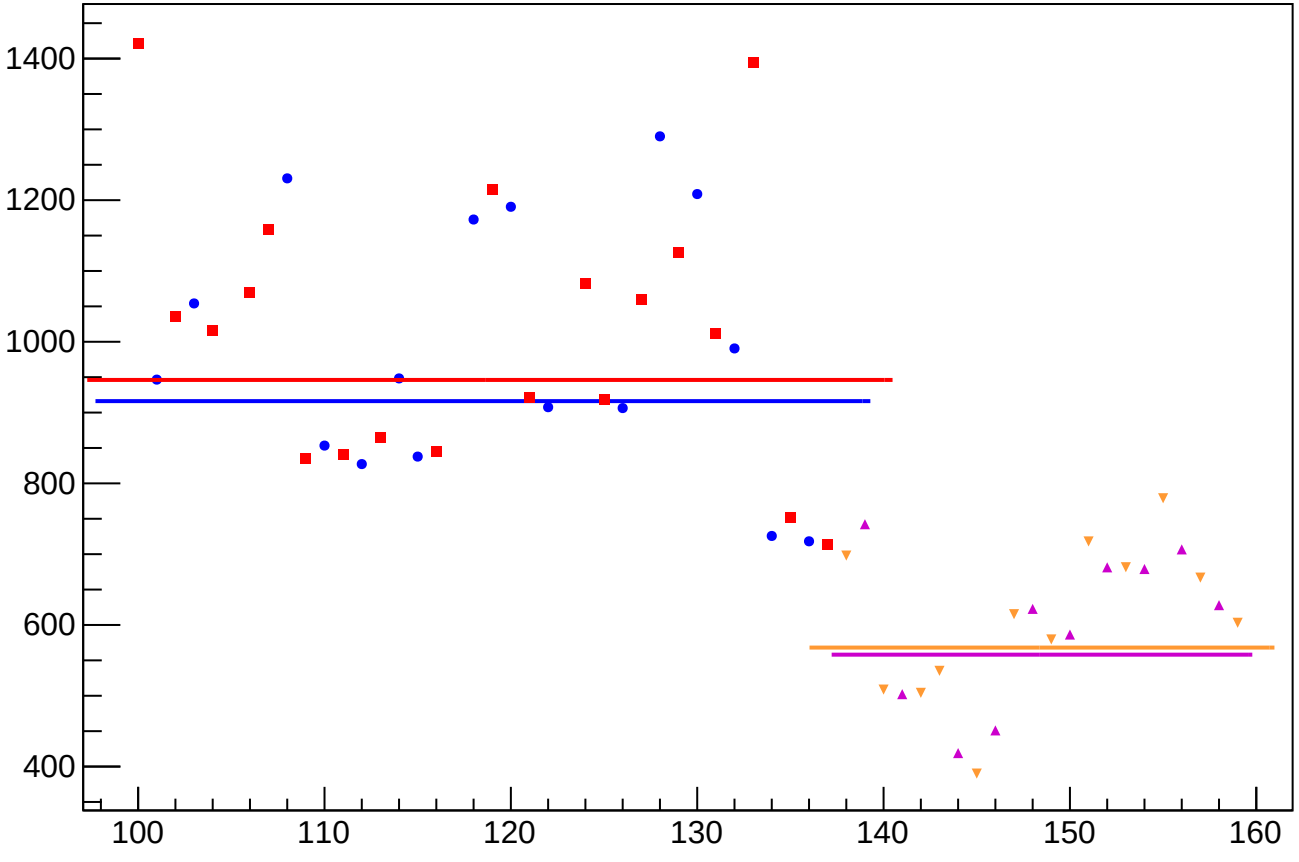
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 75.106+/-169.173 χ^2/NDF:28.9/25

Out: -552.026+/-166.174 χ^2/NDF:57.4/30

All: -244.067+/-118.549 χ^2/NDF: 93.2/56

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: 568.067+/-0.133 χ^2/NDF:719554.8/11

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

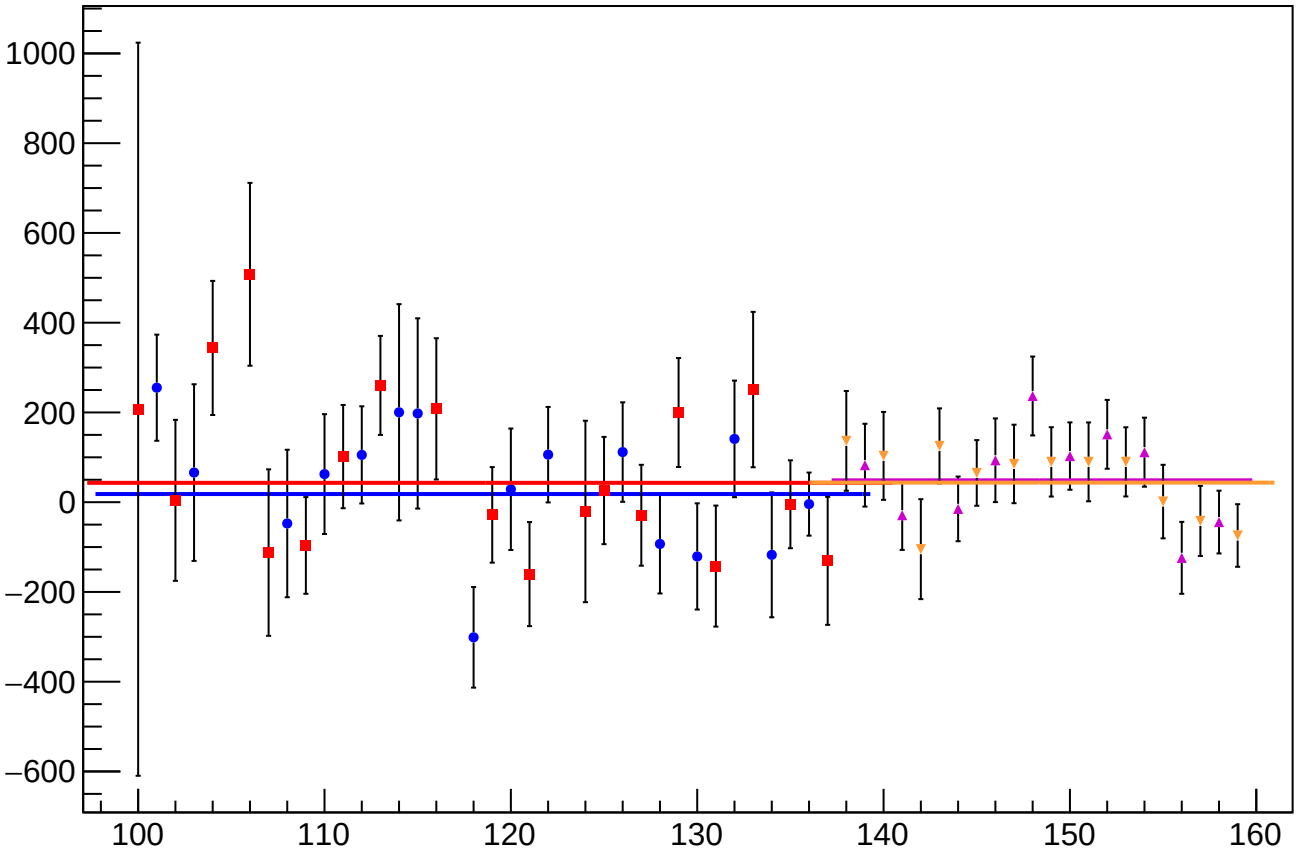
Left: 563.194+/-0.095 χ^2/NDF: 1368432.6/21

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 642.256+/-0.120 χ^2/NDF:2767137.0/25

Out: 651.608+/-0.118 χ^2/NDF:2906789.7/30

All: 647.016+/-0.084 χ^2/NDF: 5677037.3/56



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.607+/-24.181 χ^2/NDF:9.4/11

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 48.706+/-25.015 χ^2/NDF:16.1/9

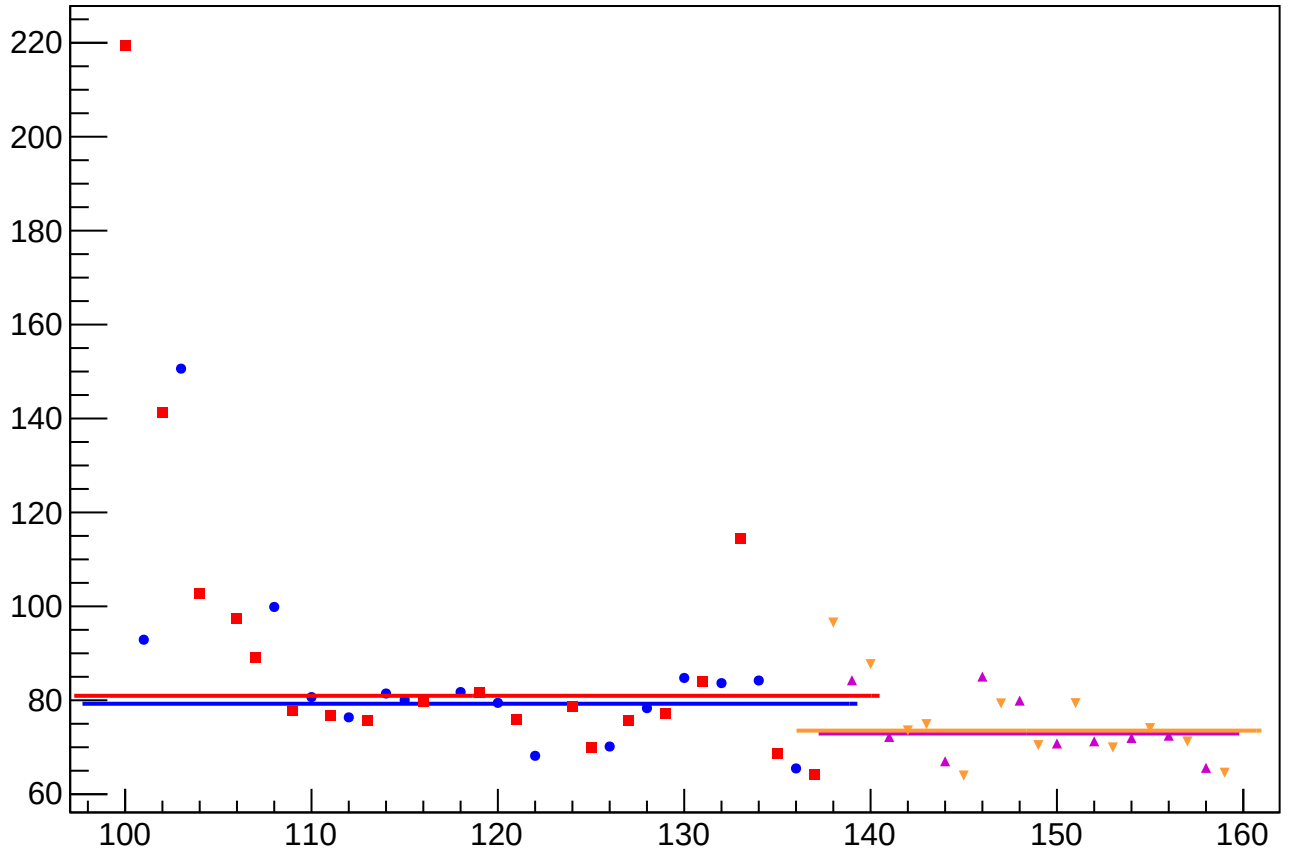
Left: 46.070+/-17.386 χ^2/NDF: 25.5/21

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 36.354+/-19.303 χ^2/NDF:36.8/25

Out: 43.430+/-18.998 χ^2/NDF:37.1/30

All: 39.948+/-13.540 χ^2/NDF: 74.1/56



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.541+/-0.017 χ^2/NDF:222271.9/11

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.923+/-0.018 χ^2/NDF:115215.4/9

Left: 73.242+/-0.012 χ^2/NDF: 338118.7/21

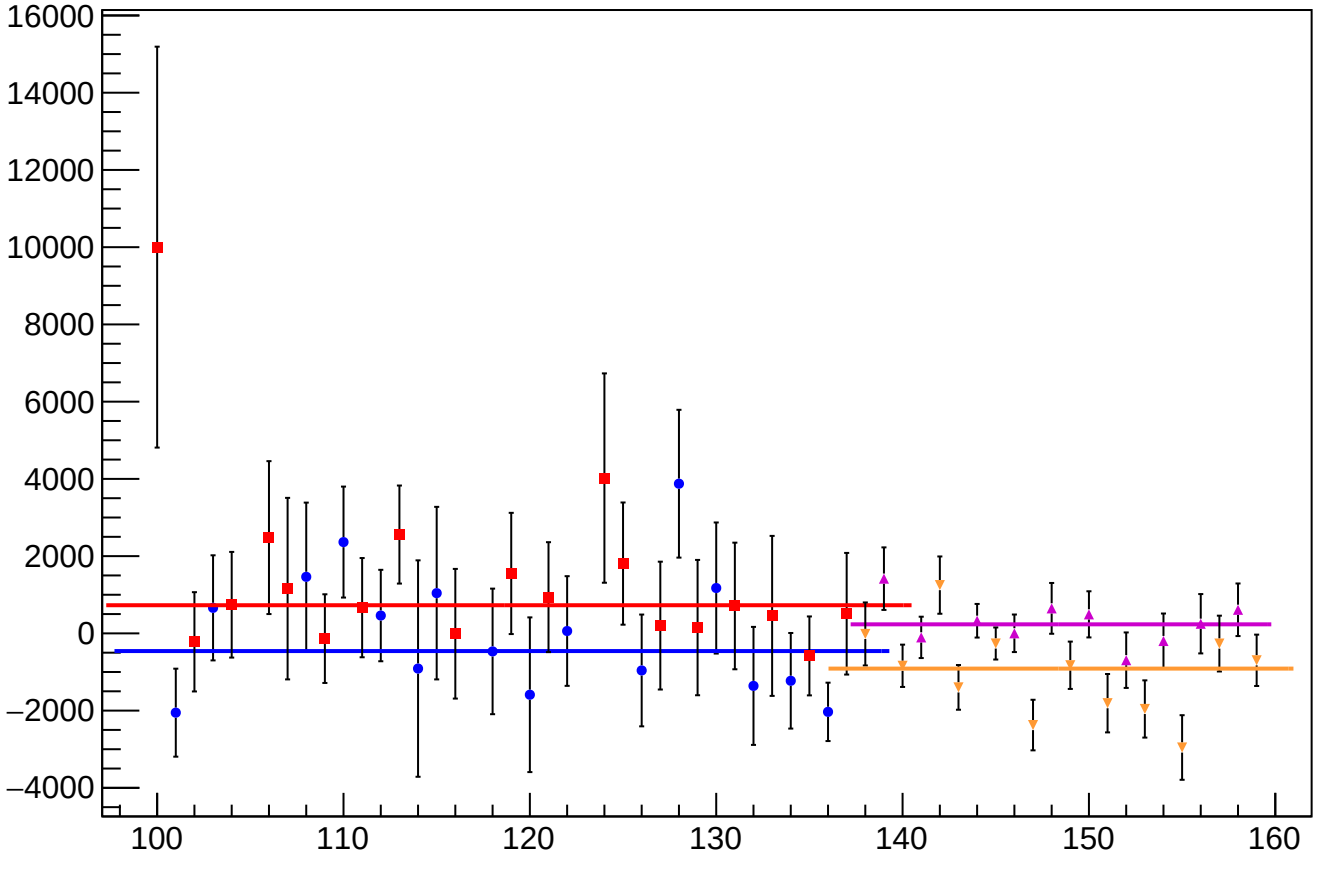
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.488+/-0.014 χ^2/NDF:612148.4/25

Out: 76.380+/-0.013 χ^2/NDF:808484.3/30

All: 75.941+/-0.010 χ^2/NDF: 1422802.0/56

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: -912.240+/-183.753 χ^2/NDF:28.2/11

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 234.089+/-191.038 χ^2/NDF:5.7/9

Left: -361.349+/-132.433 χ^2/NDF: 52.6/21

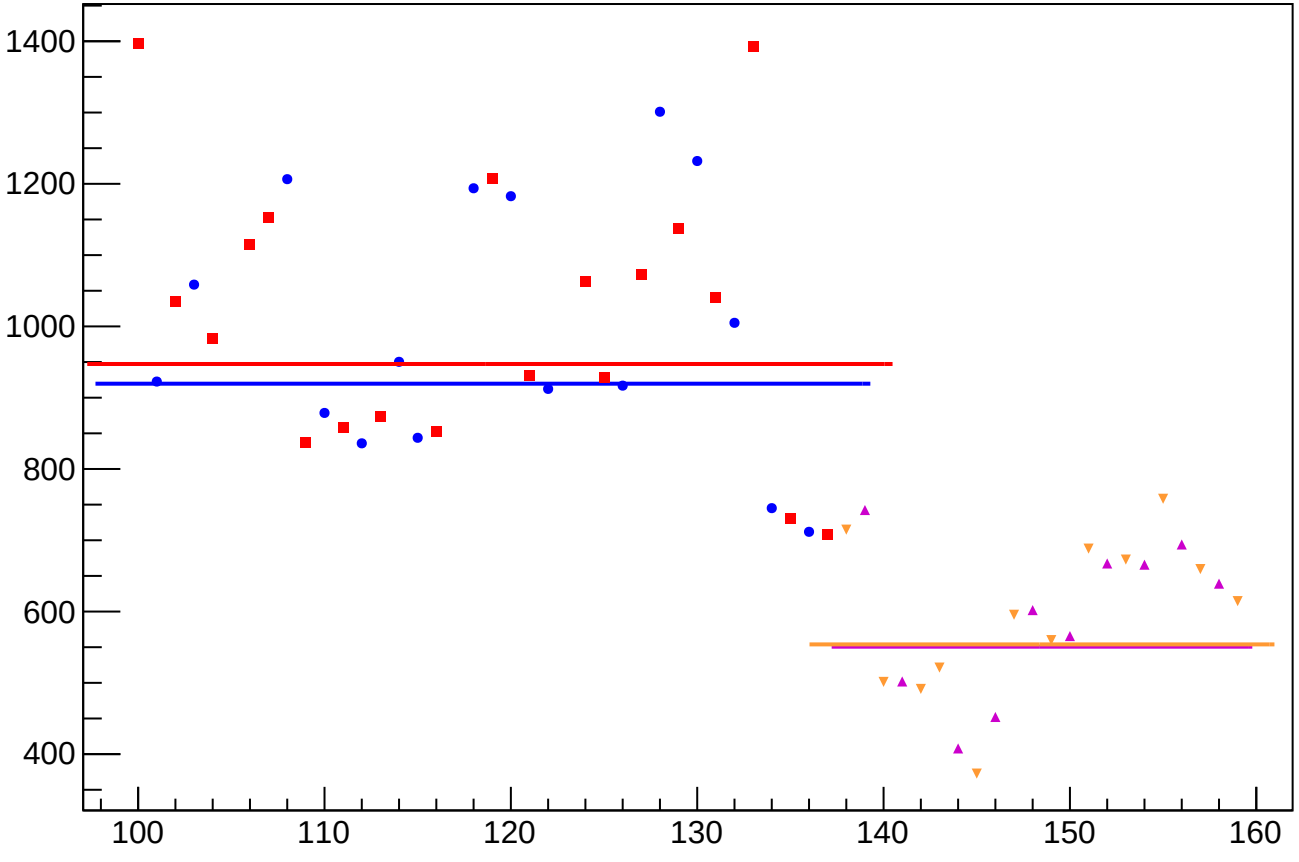
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 75.257+/-167.693 χ^2/NDF:29.0/25

Out: -561.719+/-162.950 χ^2/NDF:56.7/30

All: -252.367+/-116.864 χ^2/NDF: 93.2/56

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: 553.933+/-0.130 χ^2/NDF:799985.6/11

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 550.729+/-0.135 χ^2/NDF:647824.1/9

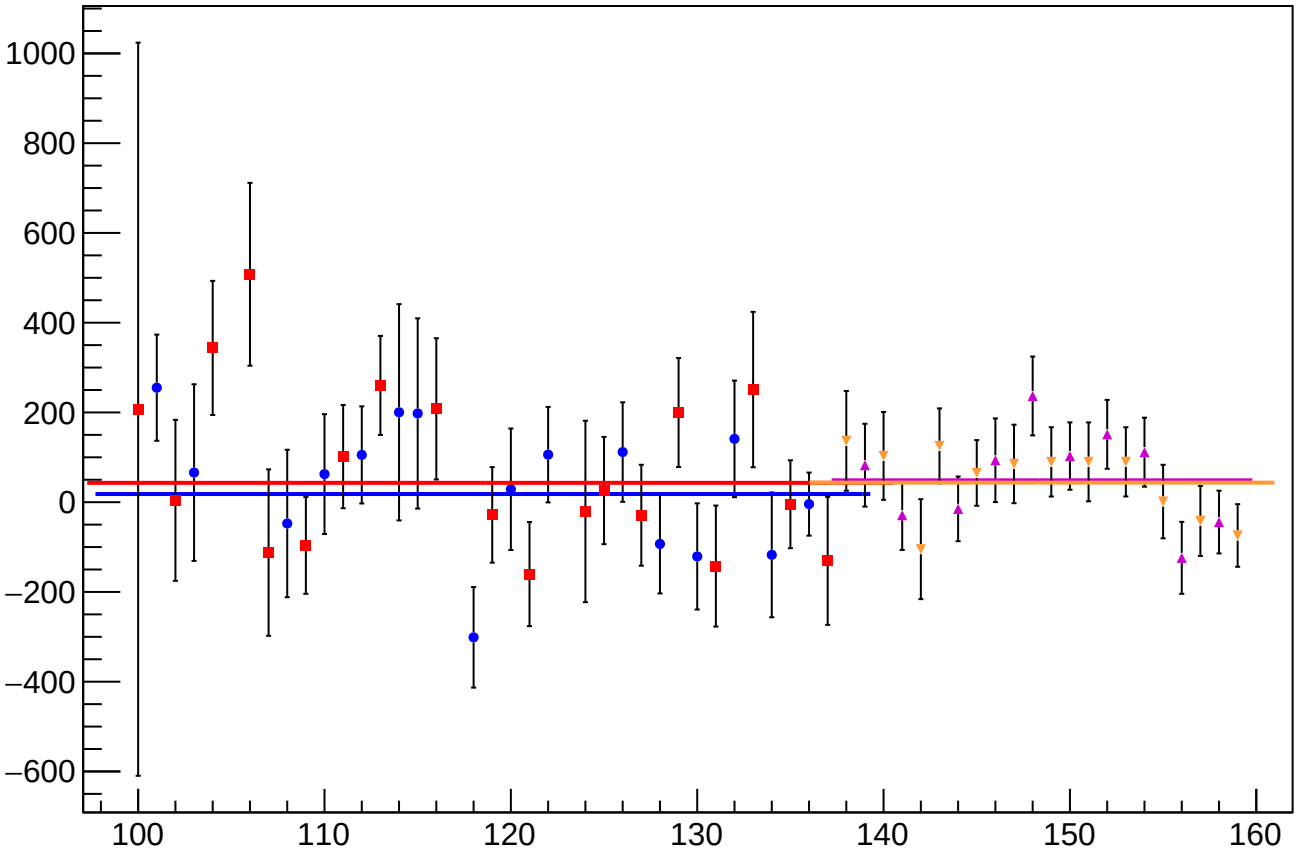
Left: 552.394+/-0.094 χ^2/NDF: 1448101.9/21

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 635.380+/-0.119 χ^2/NDF:2874627.5/25

Out: 637.952+/-0.115 χ^2/NDF:3183063.0/30

All: 636.703+/-0.083 χ^2/NDF: 6057932.6/56



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.608+/-24.181 χ^2/NDF:9.4/11

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 48.706+/-25.016 χ^2/NDF:16.1/9

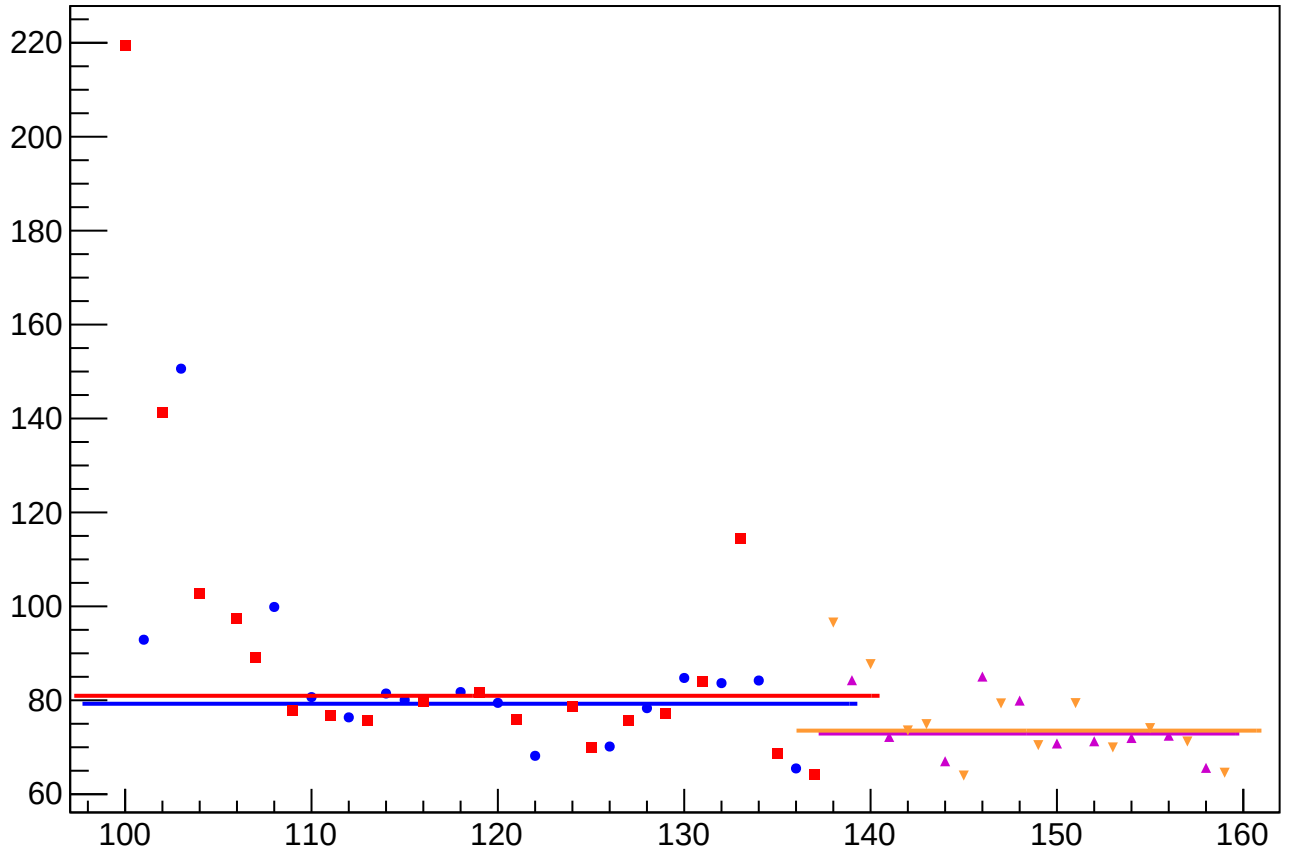
Left: 46.070+/-17.386 χ^2/NDF: 25.5/21

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 36.353+/-19.303 χ^2/NDF:36.8/25

Out: 43.430+/-18.998 χ^2/NDF:37.1/30

All: 39.948+/-13.540 χ^2/NDF: 74.1/56



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.541+/-0.017 χ^2/NDF:222269.1/11

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.923+/-0.018 χ^2/NDF:115217.0/9

Left: 73.243+/-0.012 χ^2/NDF: 338117.6/21

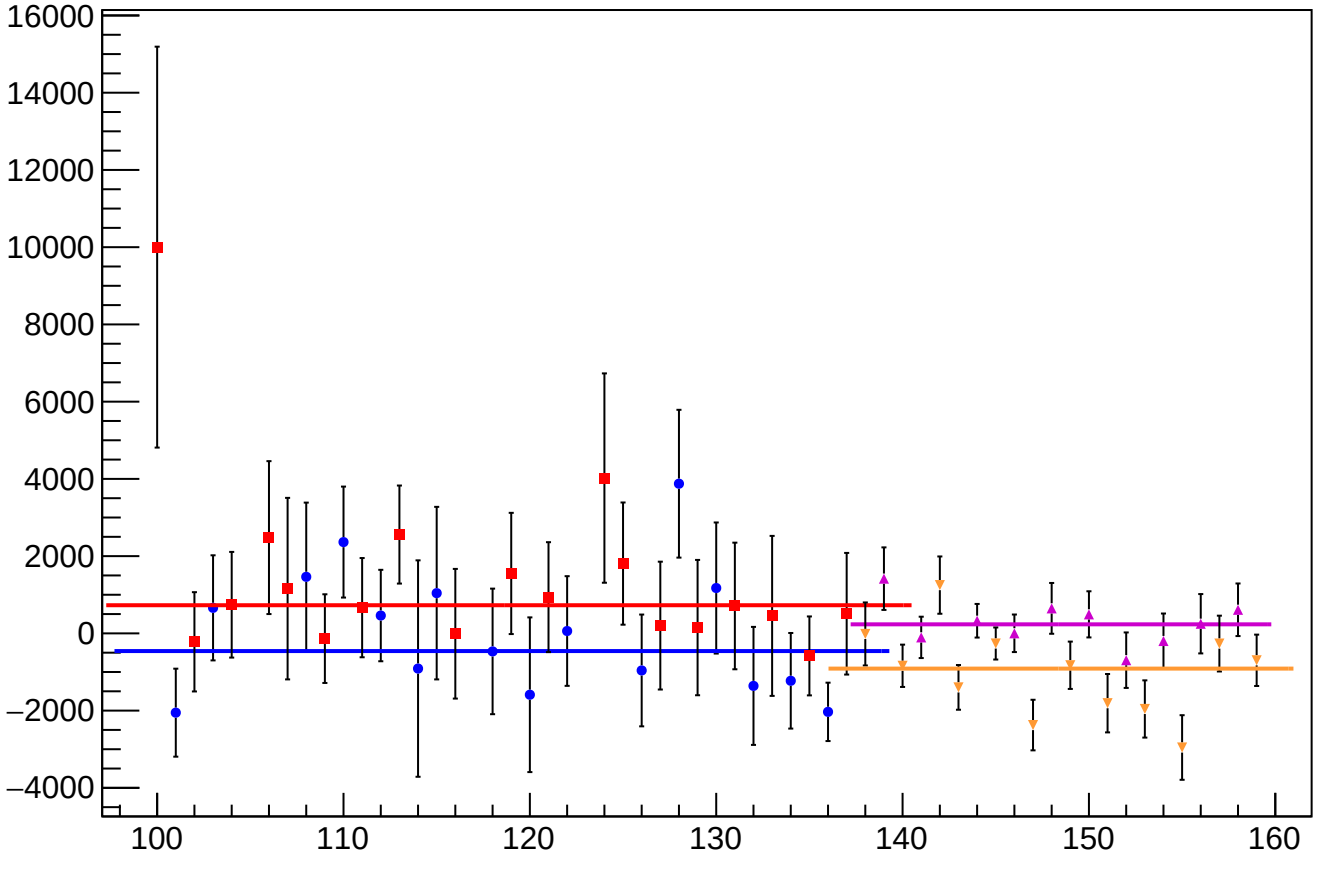
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.488+/-0.014 χ^2/NDF:612138.8/25

Out: 76.380+/-0.013 χ^2/NDF:808480.1/30

All: 75.941+/-0.010 χ^2/NDF: 1422788.5/56

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: -912.239+/-183.752 χ^2/NDF:28.2/11

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 234.089+/-191.037 χ^2/NDF:5.7/9

Left: -361.349+/-132.433 χ^2/NDF: 52.6/21

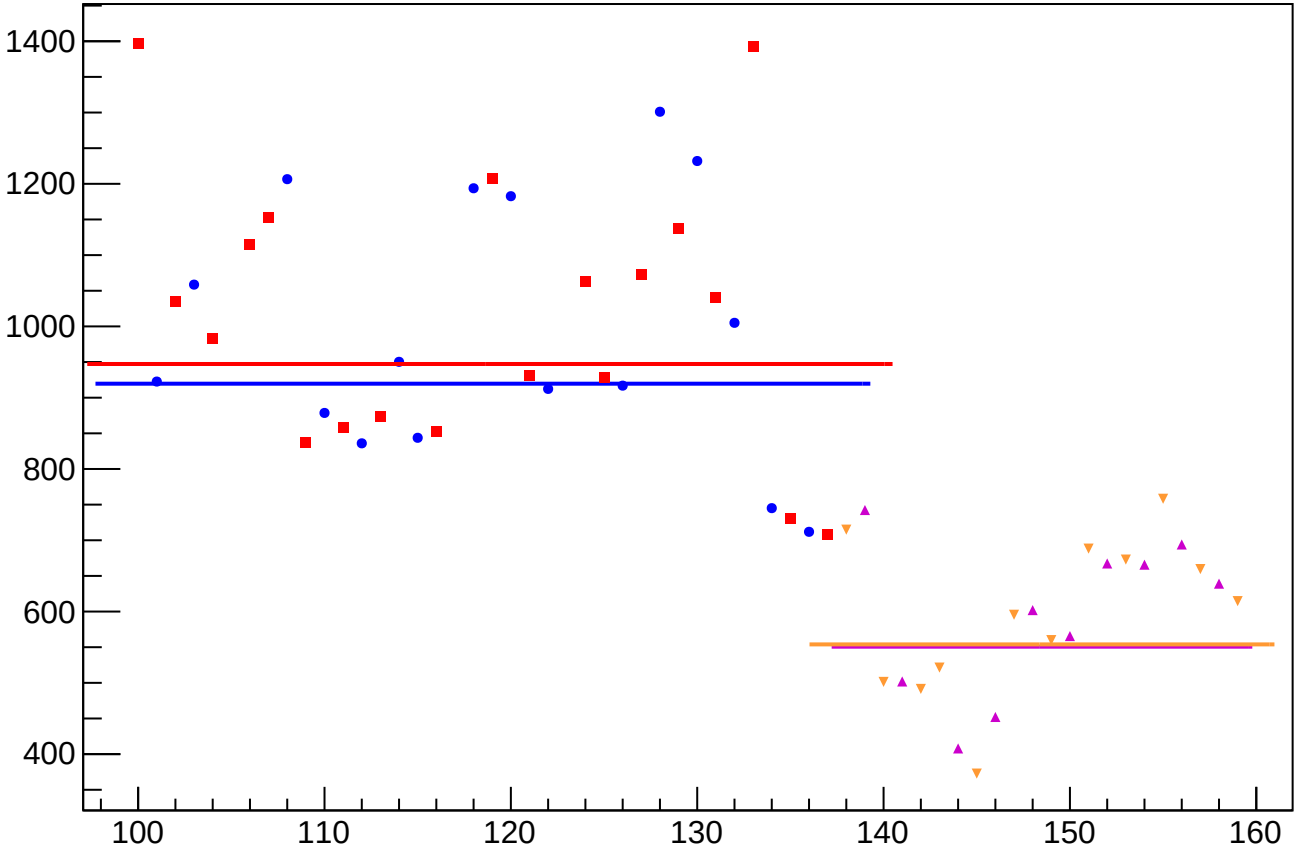
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 75.257+/-167.693 χ^2/NDF:29.0/25

Out: -561.718+/-162.950 χ^2/NDF:56.7/30

All: -252.367+/-116.864 χ^2/NDF: 93.2/56

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: 553.932+/-0.130 χ^2/NDF:799989.7/11

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 550.729+/-0.135 χ^2/NDF:647823.2/9

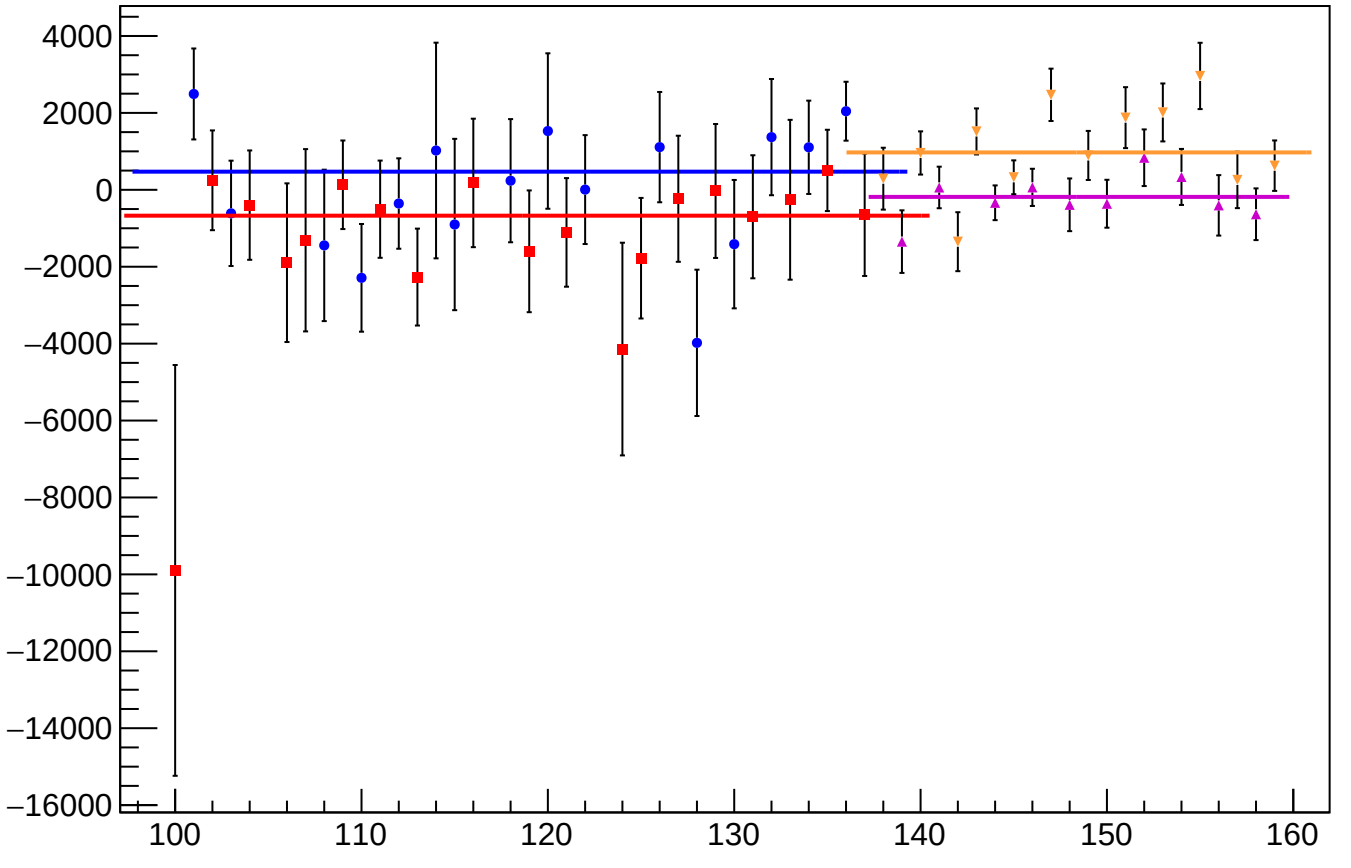
Left: 552.393+/-0.094 χ^2/NDF: 1448105.1/21

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 635.379+/-0.119 χ^2/NDF:2874620.4/25

Out: 637.951+/-0.115 χ^2/NDF:3183064.1/30

All: 636.702+/-0.083 χ^2/NDF: 6057926.5/56



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 972.151+/-189.459 χ^2/NDF:27.5/11

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -184.146+/-194.687 χ^2/NDF:5.7/9

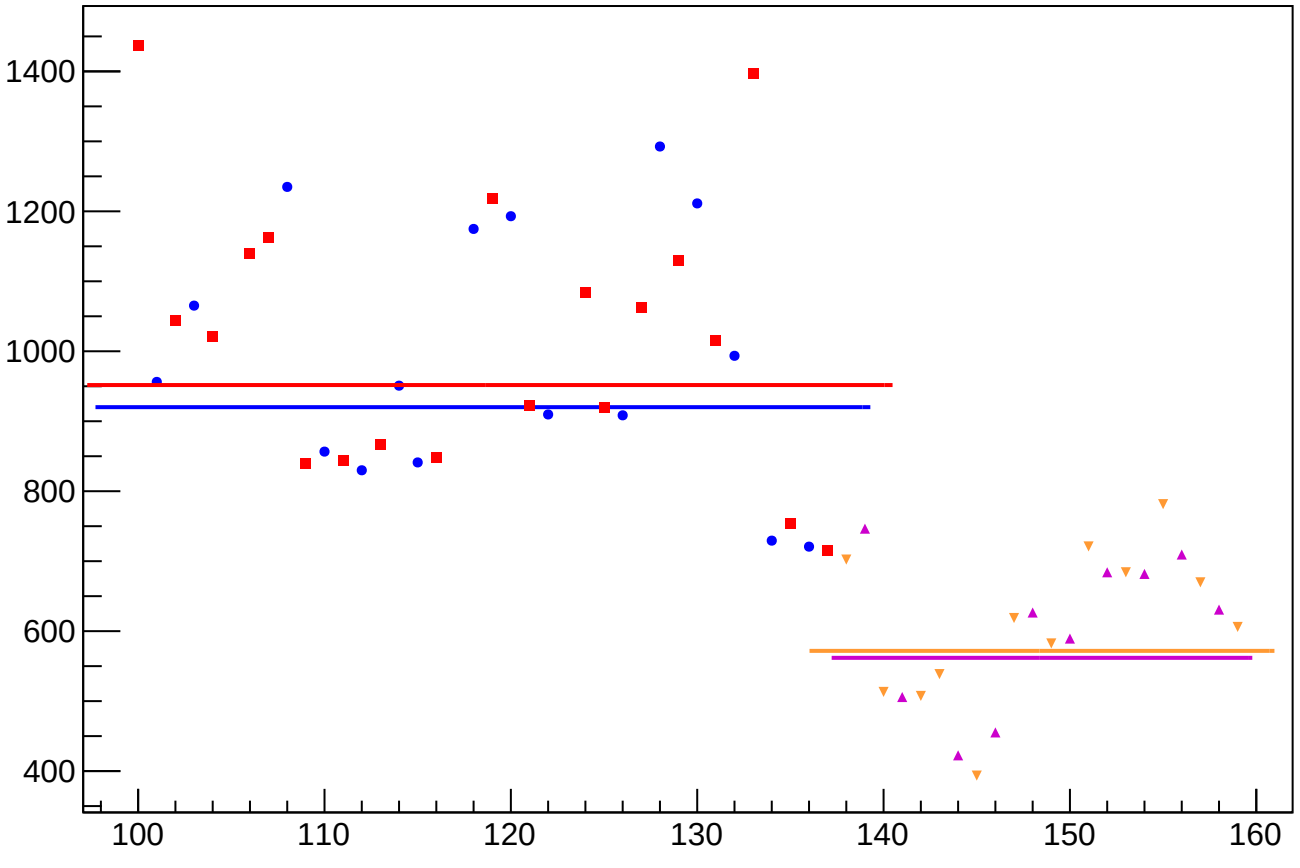
Left: 409.735+/-135.779 χ^2/NDF: 51.3/21

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -29.350+/-170.180 χ^2/NDF:29.9/25

Out: 606.771+/-167.094 χ^2/NDF:54.5/30

All: 294.530+/-119.230 χ^2/NDF: 91.6/56



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 571.832+/-0.134 χ^2/NDF:707285.6/11

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 561.866+/-0.138 χ^2/NDF:634789.2/9

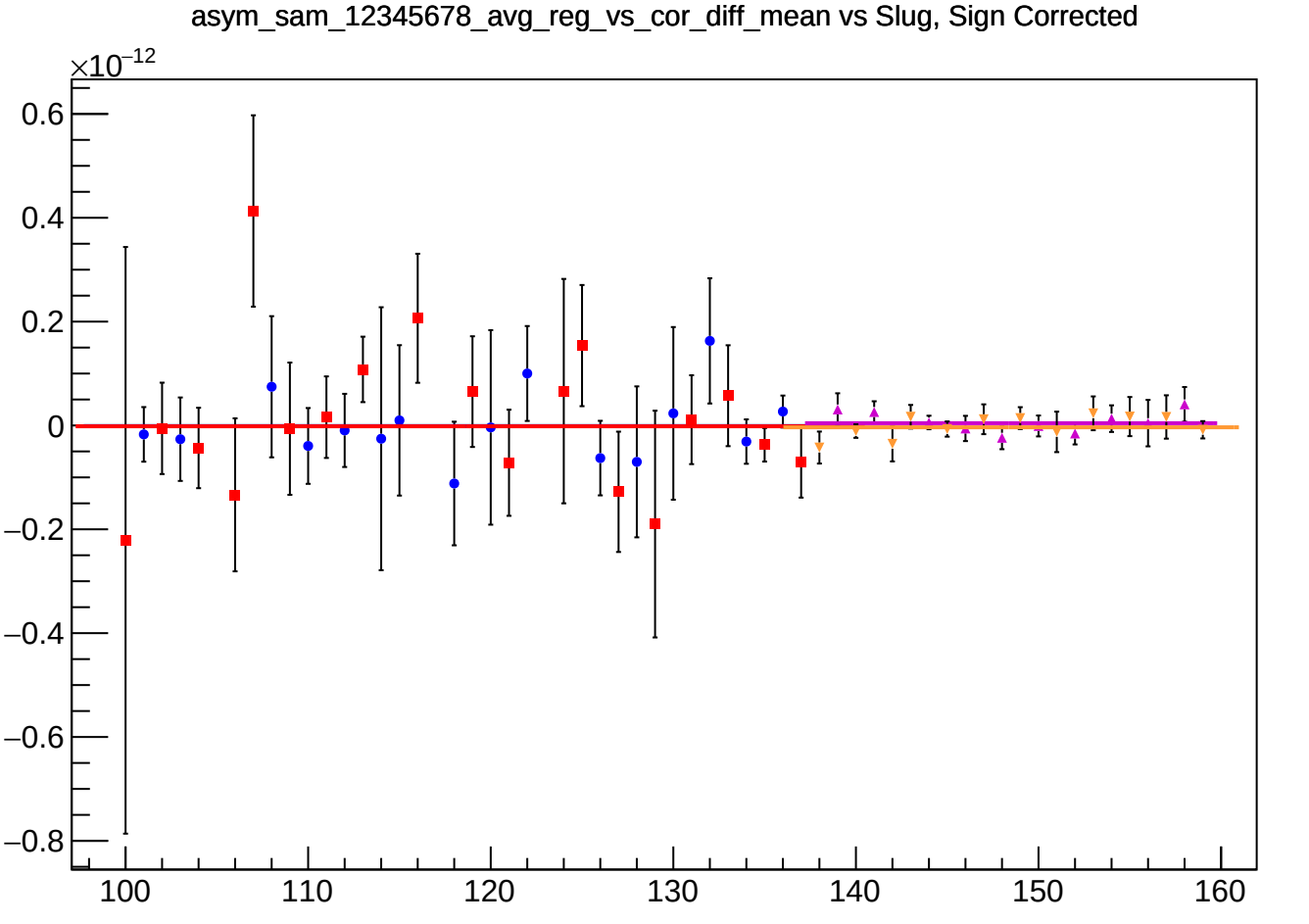
Left: 566.985+/-0.096 χ^2/NDF: 1344766.8/21

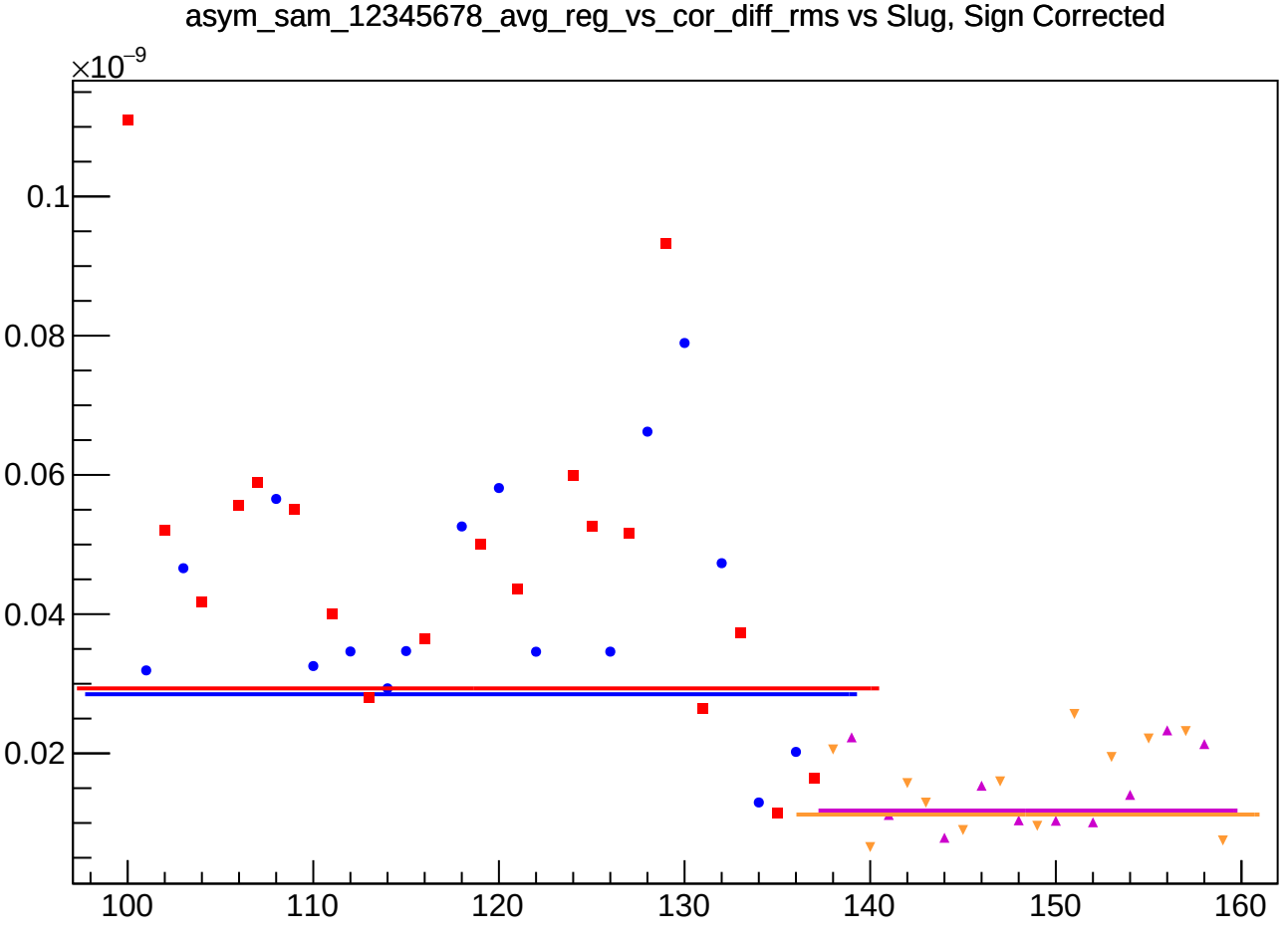
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 646.384+/-0.120 χ^2/NDF:2741187.3/25

Out: 656.229+/-0.118 χ^2/NDF:2909821.5/30

All: 651.396+/-0.084 χ^2/NDF: 5654416.8/56


asym_sam_12345678_avg_reg_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7.0/15
Left Out: -0.000+/-0.000 χ²/NDF:6.0/11
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:5.9/9
Left: 0.000+/-0.000 χ²/NDF: 12.6/21
Right: -0.000+/-0.000 χ²/NDF: 26.5/34
In: 0.000+/-0.000 χ²/NDF:13.0/25
Out: -0.000+/-0.000 χ²/NDF:25.4/30
All: -0.000+/-0.000 χ²/NDF: 39.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1434878.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:796748.1/9

Left: 0.000+/-0.000 χ^2/NDF: 2239005.9/21

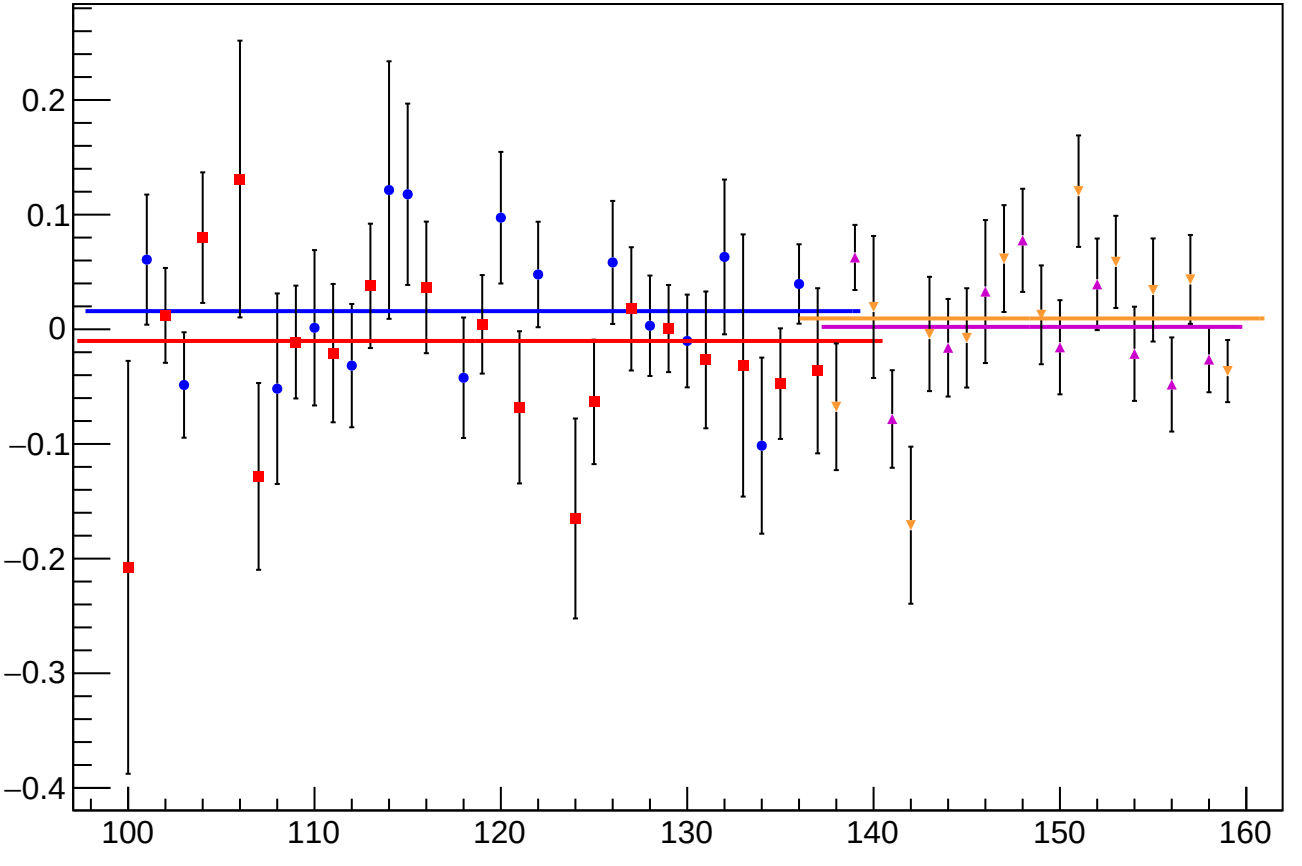
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3490844.7/25

Out: 0.000+/-0.000 χ^2/NDF:4674574.2/30

All: 0.000+/-0.000 χ^2/NDF: 8190644.8/56

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: 0.009+/-0.013 χ^2/NDF:21.1/11

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.006+/-0.009 χ^2/NDF: 36.5/21

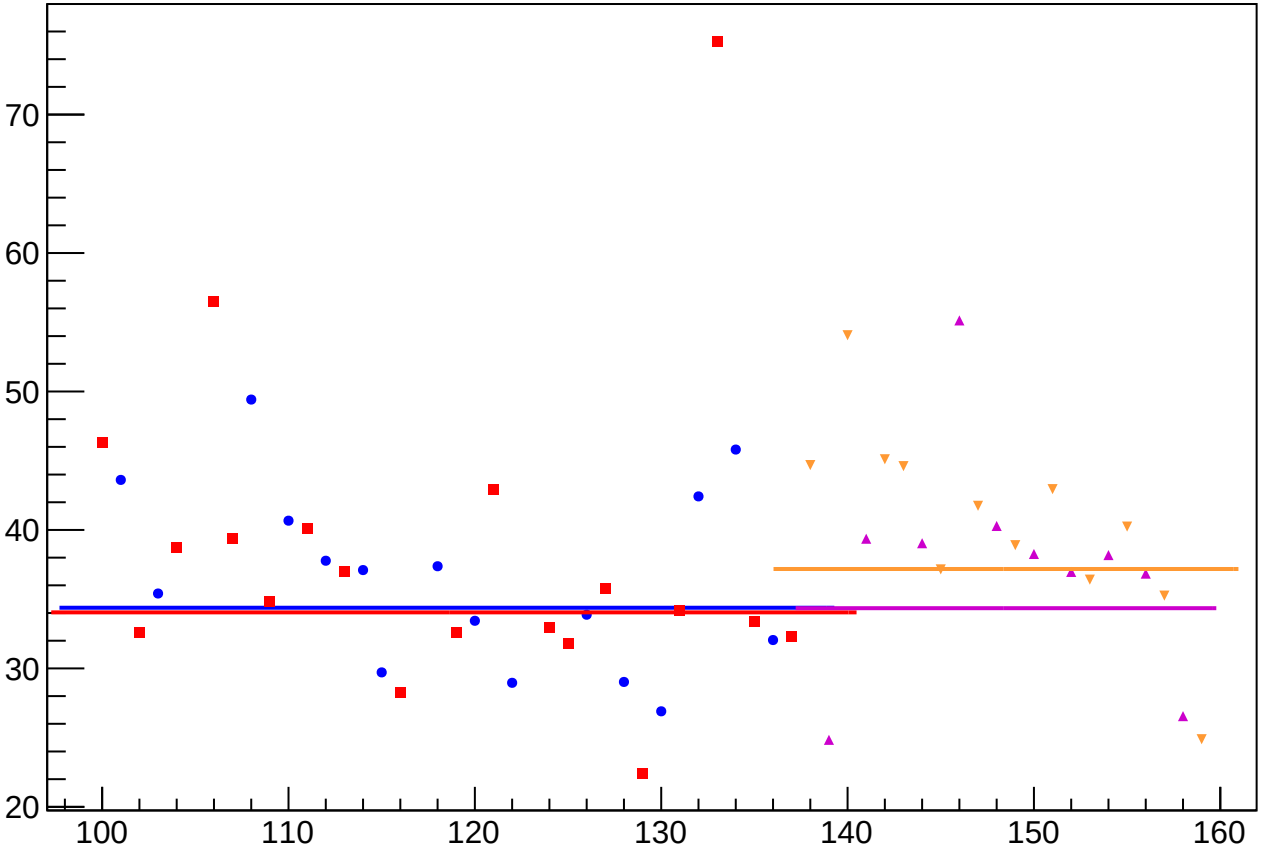
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.004+/-0.006 χ^2/NDF: 68.3/56

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: 37.180+/-0.009 χ^2/NDF:734047.0/11

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

Left: 35.718+/-0.006 χ^2/NDF: 1520424.4/21

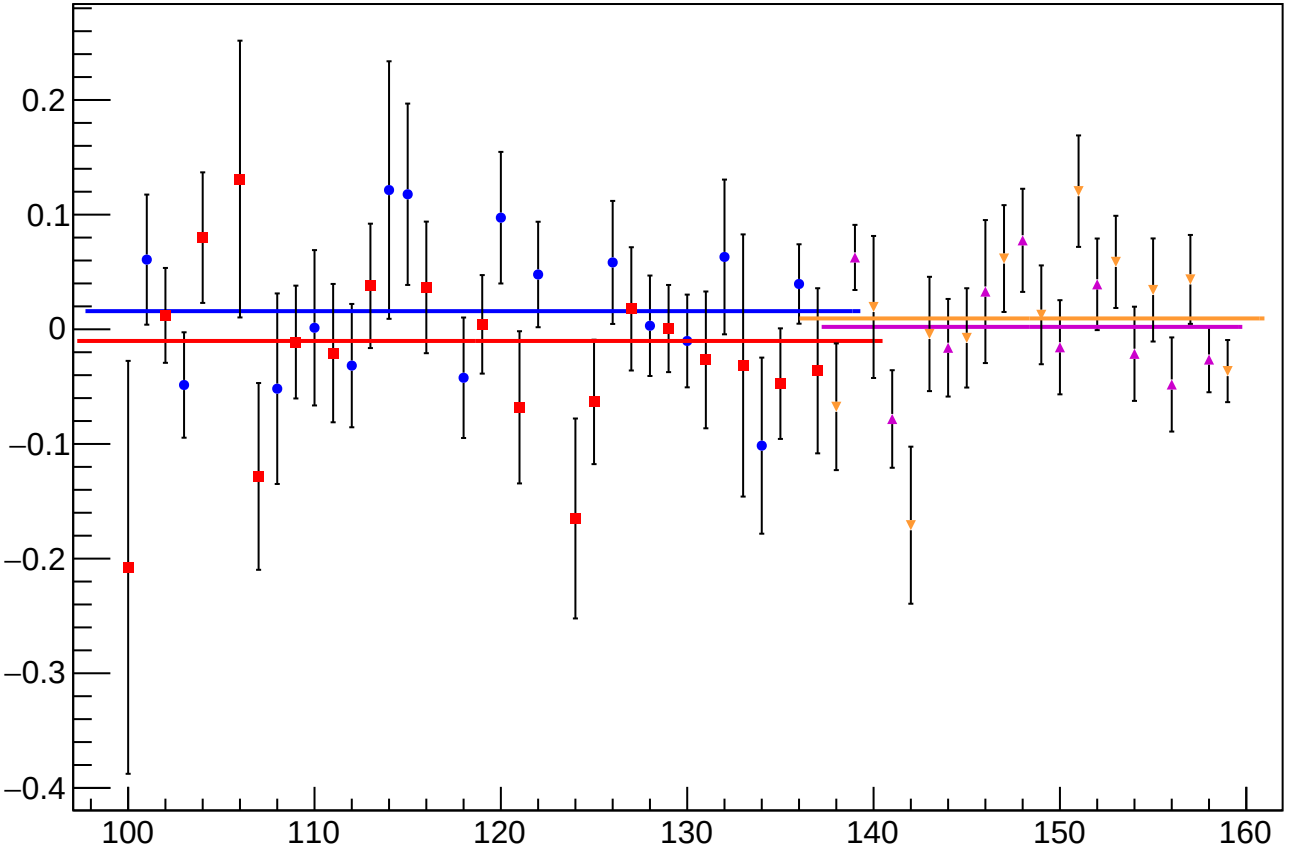
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.364+/-0.006 χ^2/NDF:1102107.0/25

Out: 35.688+/-0.006 χ^2/NDF:1435667.7/30

All: 35.018+/-0.005 χ^2/NDF: 2559094.2/56

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: 0.009+/-0.013 χ^2/NDF:21.1/11

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.006+/-0.009 χ^2/NDF: 36.5/21

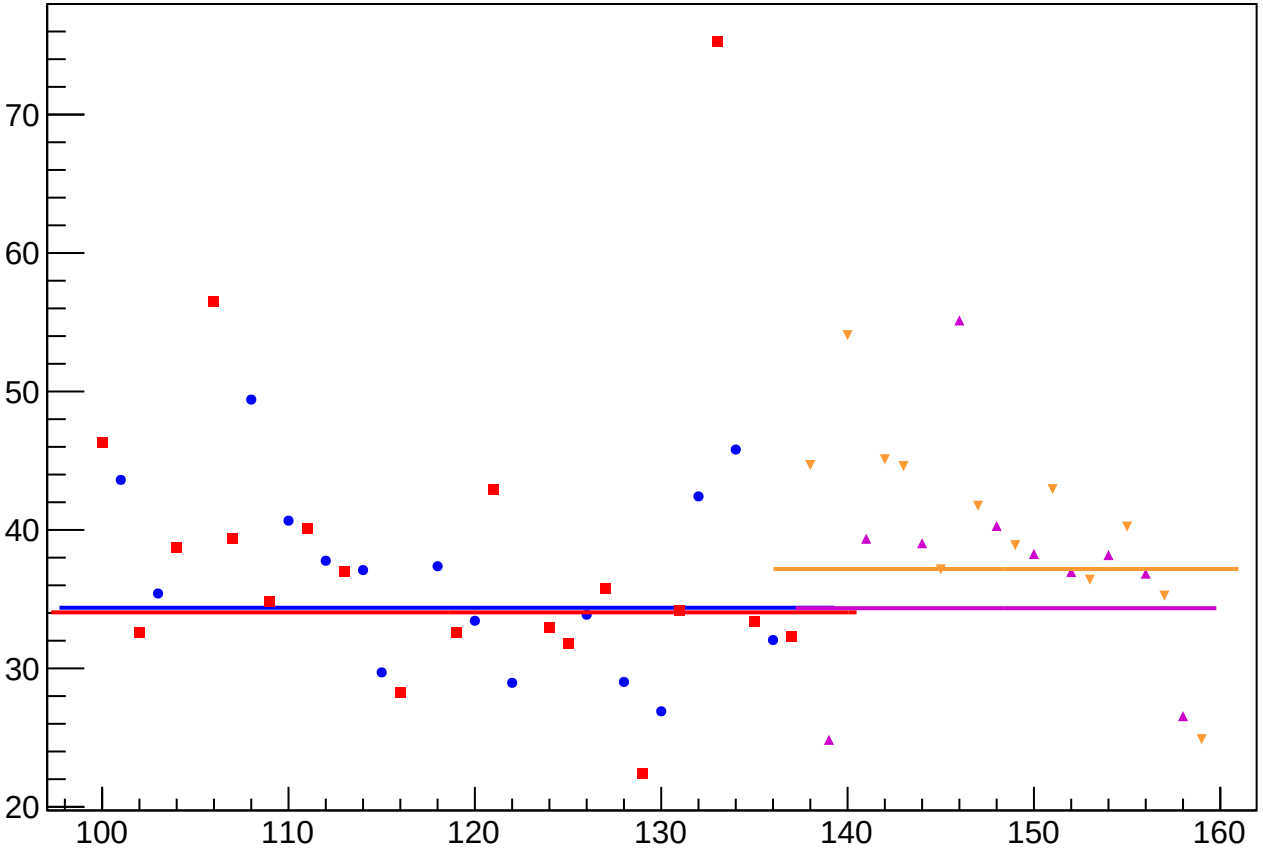
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.004+/-0.006 χ^2/NDF: 68.3/56

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: 37.180+/-0.009 χ^2/NDF:734047.0/11

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

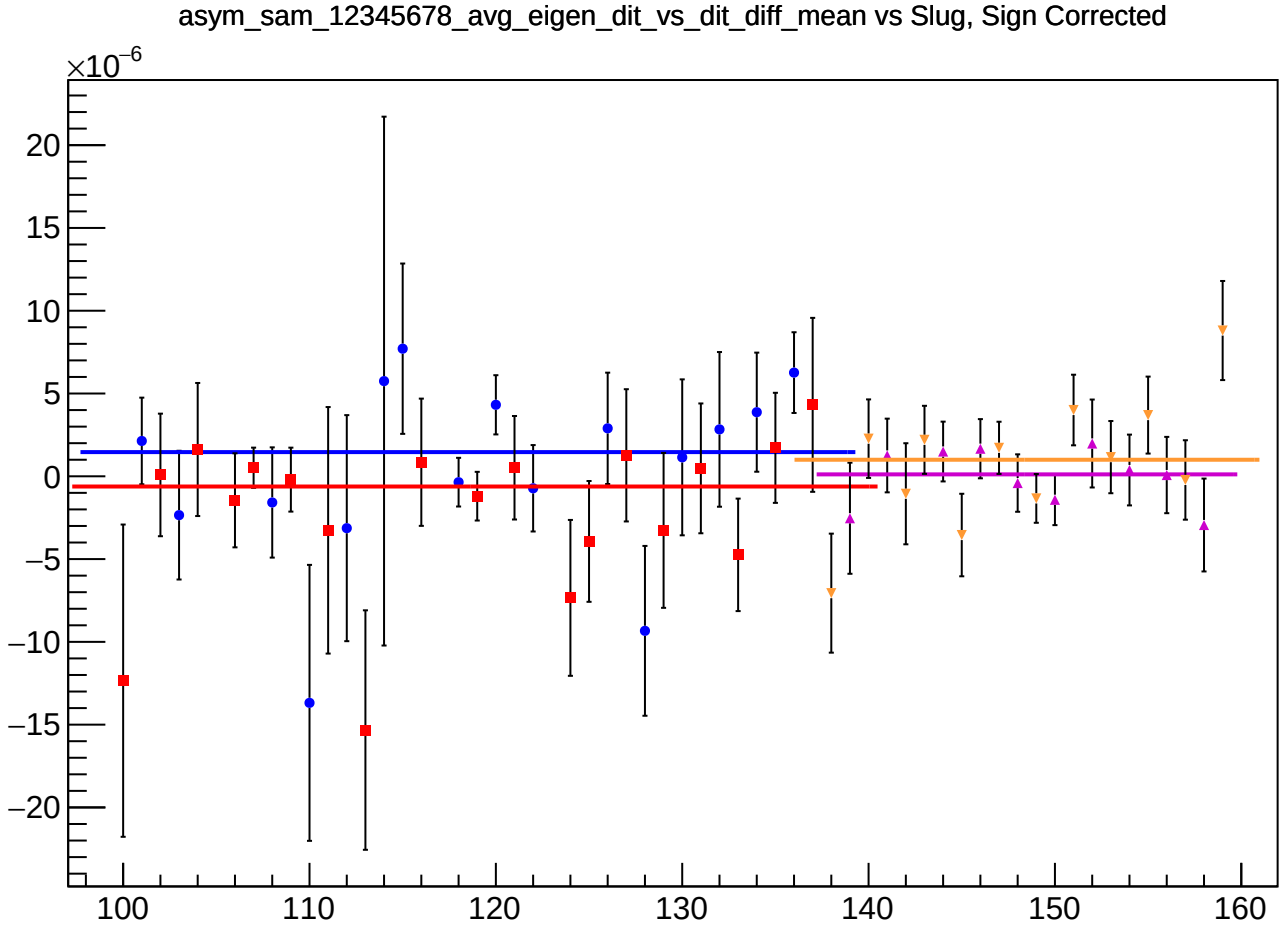
Left: 35.718+/-0.006 χ^2/NDF: 1520424.4/21

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.364+/-0.006 χ^2/NDF:1102107.0/25

Out: 35.688+/-0.006 χ^2/NDF:1435667.7/30

All: 35.018+/-0.005 χ^2/NDF: 2559094.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/9

Left: 0.000+/-0.000 χ^2/NDF: 28.5/21

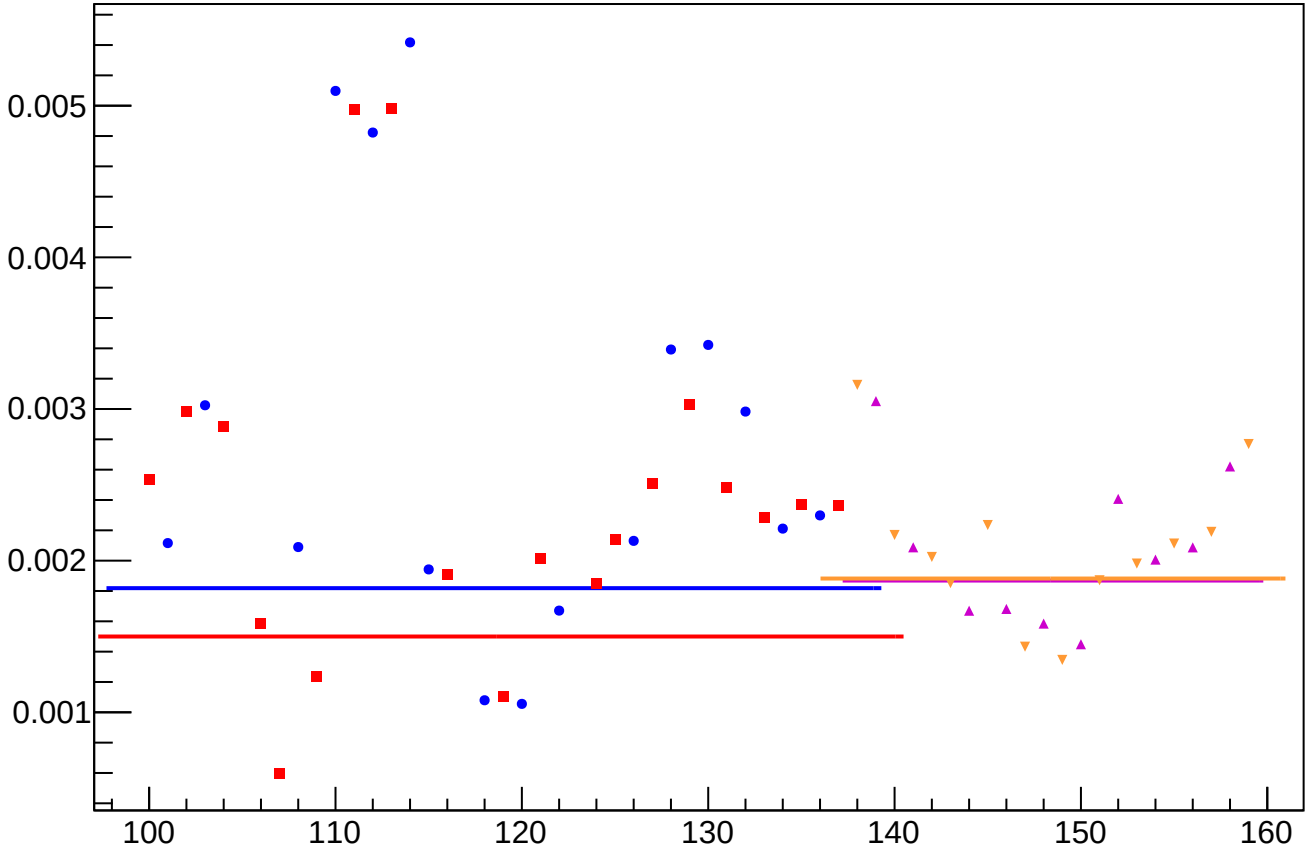
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:27.8/25

Out: 0.000+/-0.000 χ^2/NDF:39.7/30

All: 0.000+/-0.000 χ^2/NDF: 68.0/56

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:987217.7/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:770946.5/9

Left: 0.002+/-0.000 χ^2/NDF: 1758595.7/21

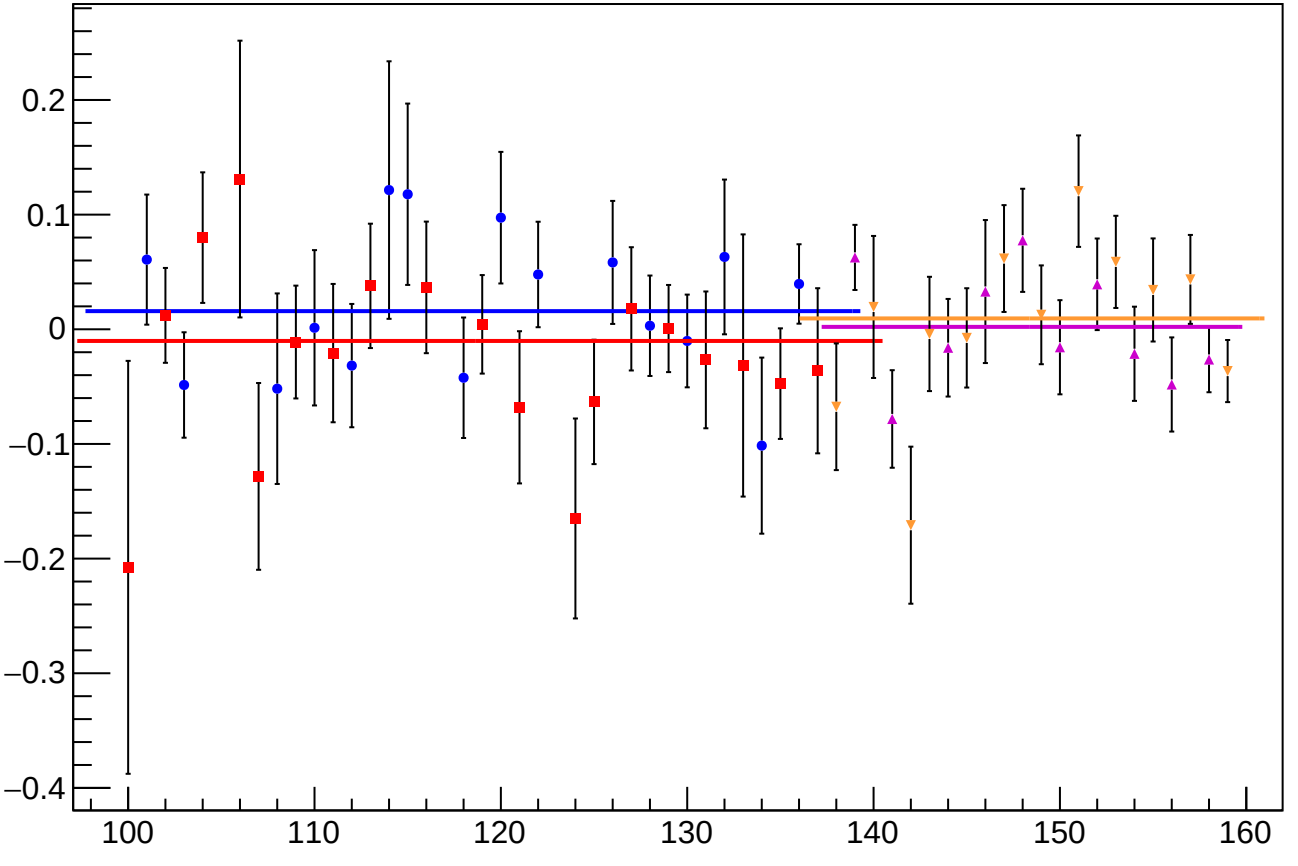
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3346260.1/25

Out: 0.002+/-0.000 χ^2/NDF:5035912.8/30

All: 0.002+/-0.000 χ^2/NDF: 8484586.8/56

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: 0.009+/-0.013 χ^2/NDF:21.1/11

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.006+/-0.009 χ^2/NDF: 36.5/21

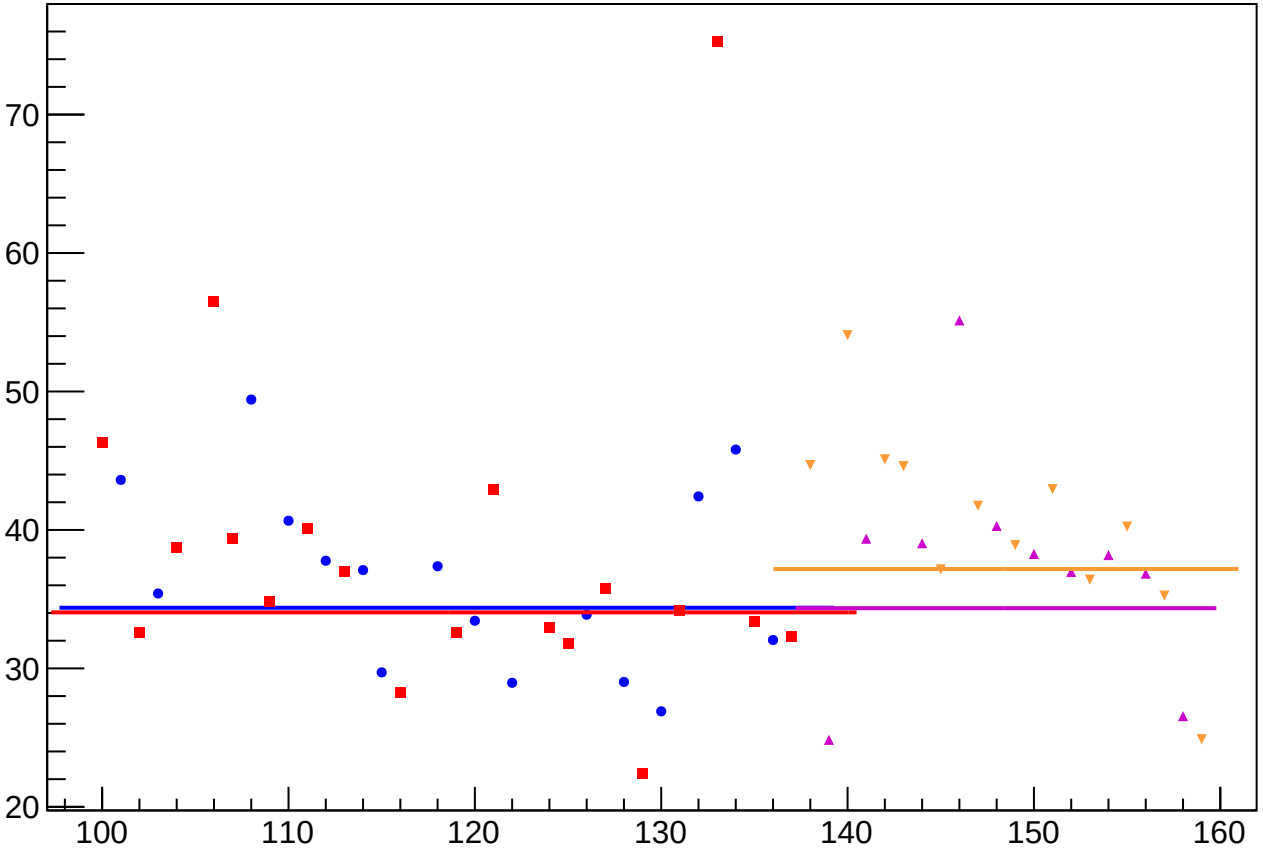
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.004+/-0.006 χ^2/NDF: 68.3/56

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: 37.181+/-0.009 χ^2/NDF:734103.5/11

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.350+/-0.009 χ^2/NDF:734270.6/9

Left: 35.718+/-0.006 χ^2/NDF: 1520534.6/21

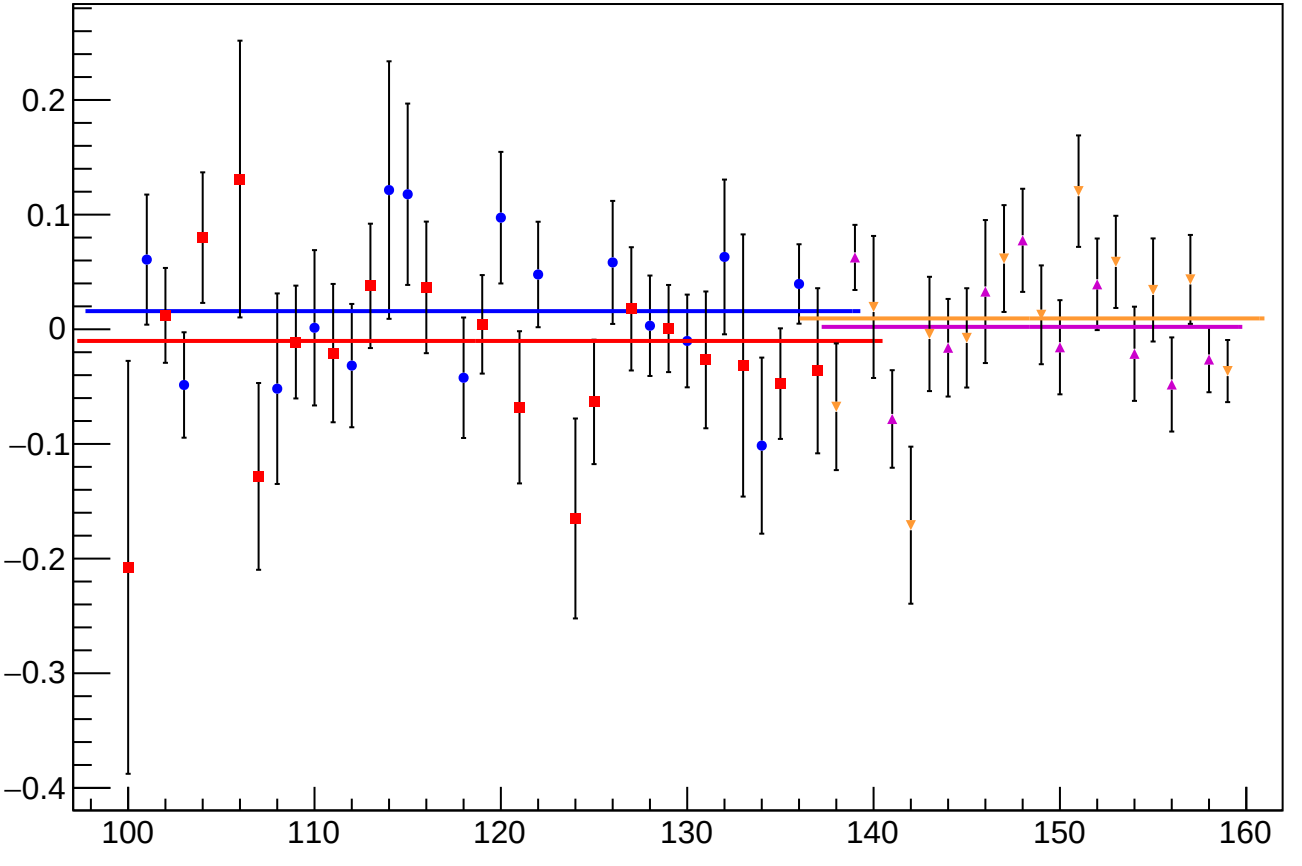
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.364+/-0.006 χ^2/NDF:1102216.8/25

Out: 35.688+/-0.006 χ^2/NDF:1435799.4/30

All: 35.018+/-0.005 χ^2/NDF: 2559338.2/56

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: 0.009+/-0.013 χ^2/NDF:21.1/11

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.006+/-0.009 χ^2/NDF: 36.5/21

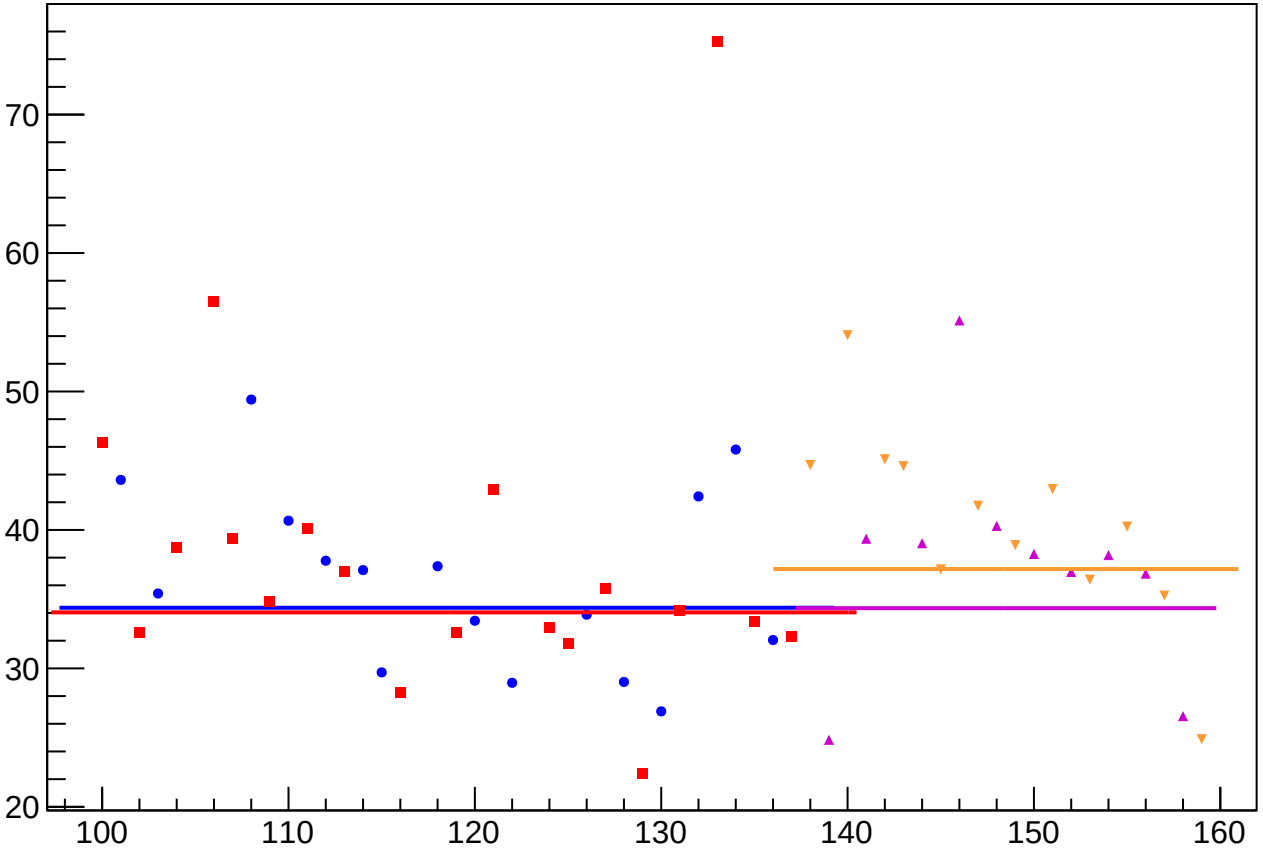
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.004+/-0.006 χ^2/NDF: 68.3/56

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: 37.181+/-0.009 χ^2/NDF:734103.5/11

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.350+/-0.009 χ^2/NDF:734270.6/9

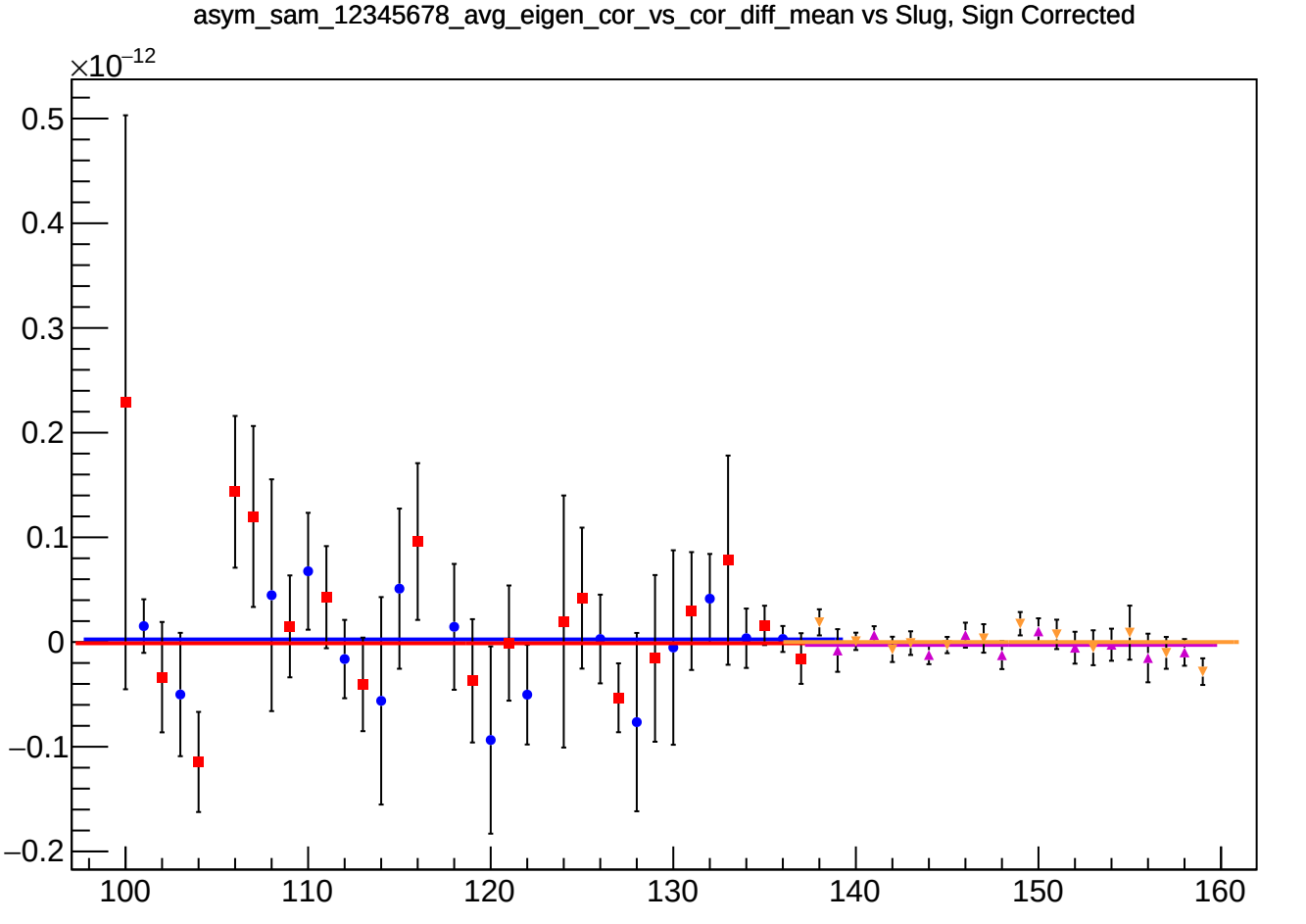
Left: 35.718+/-0.006 χ^2/NDF: 1520534.6/21

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

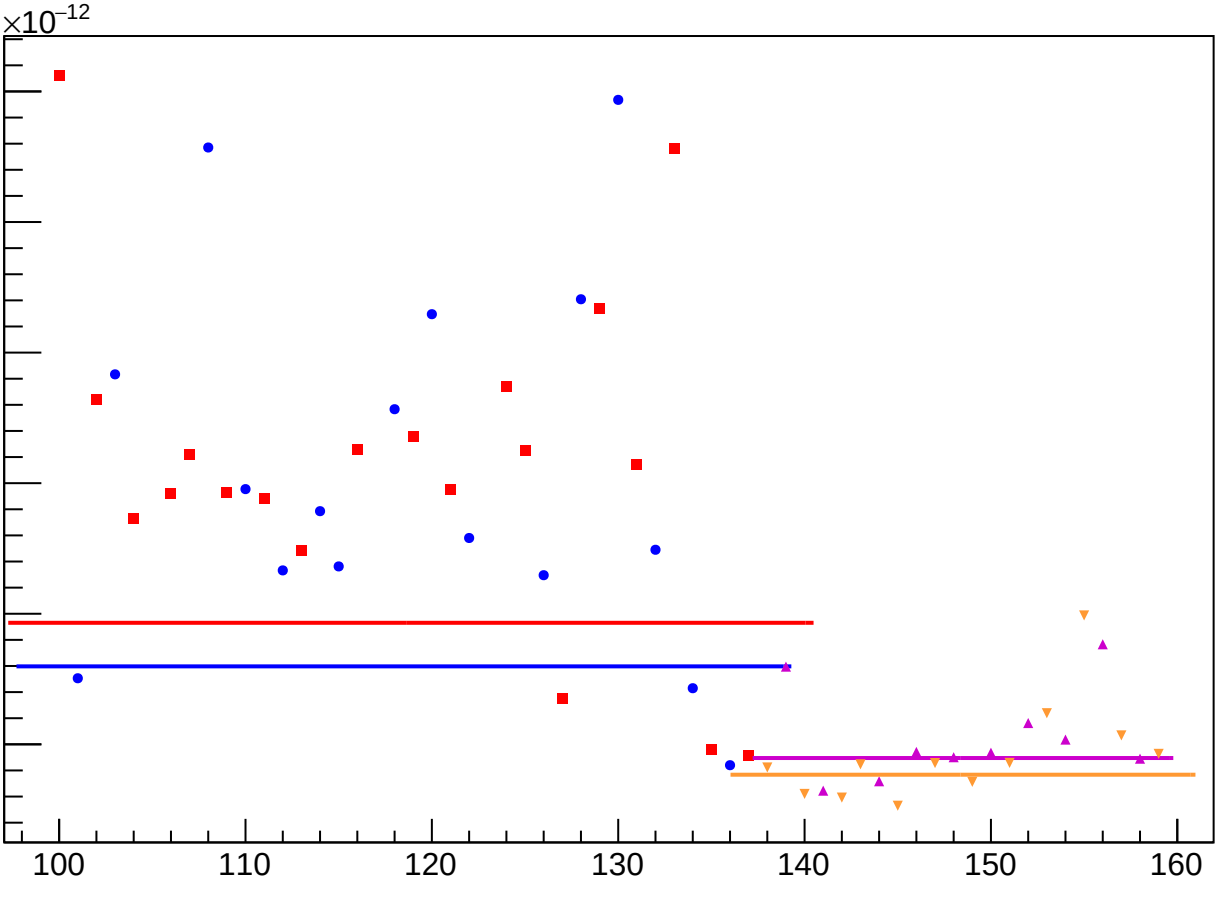
In: 34.364+/-0.006 χ^2/NDF:1102216.8/25

Out: 35.688+/-0.006 χ^2/NDF:1435799.4/30

All: 35.018+/-0.005 χ^2/NDF: 2559338.2/56


asym_sam_12345678_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: -0.000+/-0.000 χ²/NDF:11.2/11
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/18
Left In: -0.000+/-0.000 χ²/NDF:5.3/9
Left: -0.000+/-0.000 χ²/NDF: 16.7/21
Right: 0.000+/-0.000 χ²/NDF: 29.3/34
In: -0.000+/-0.000 χ²/NDF:13.3/25
Out: -0.000+/-0.000 χ²/NDF:32.7/30
All: -0.000+/-0.000 χ²/NDF: 46.1/56

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1043810.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:851139.1/9

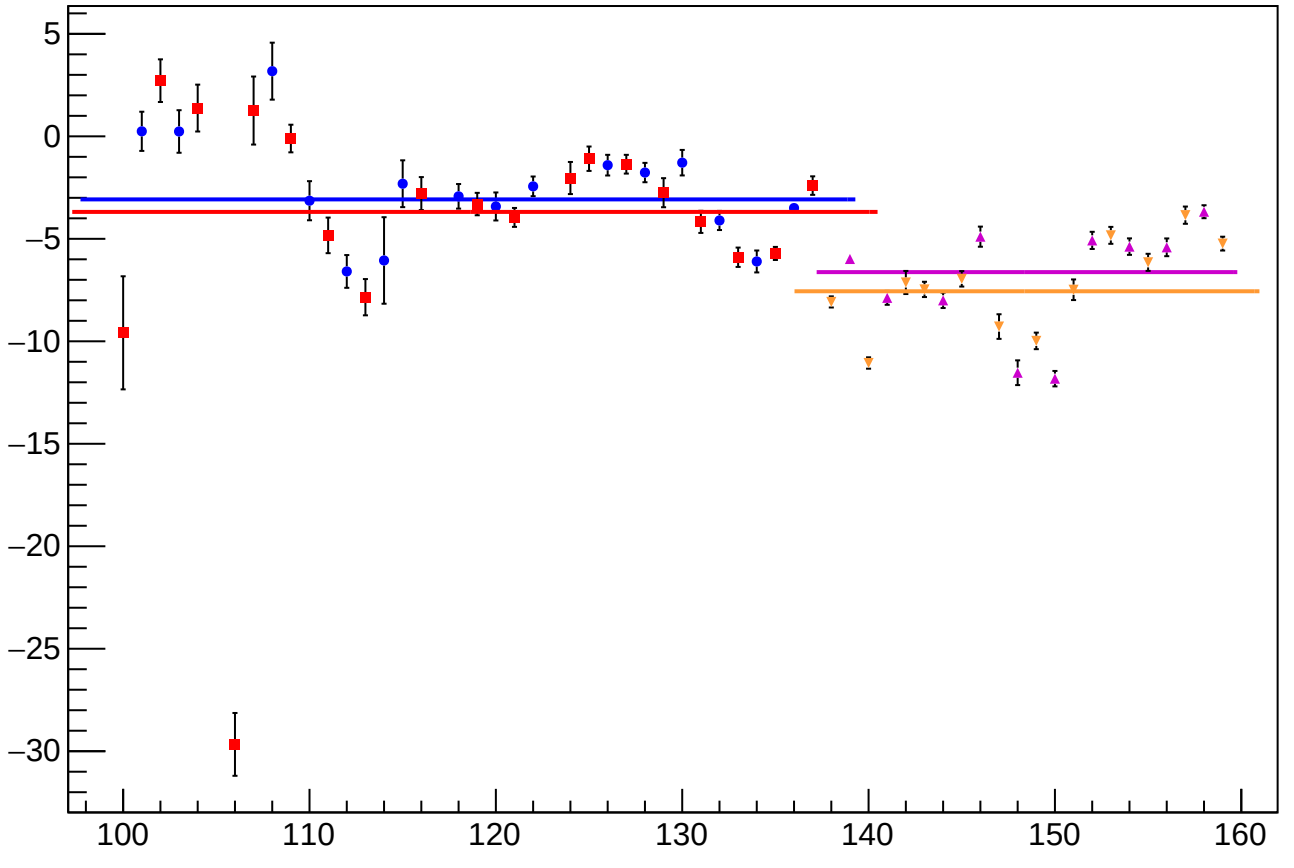
Left: 0.000+/-0.000 χ^2/NDF: 2015524.4/21

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4749793.4/25

Out: 0.000+/-0.000 χ^2/NDF:5824374.3/30

All: 0.000+/-0.000 χ^2/NDF: 10719935.2/56



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.559+/-0.110 χ^2/NDF:390.6/11

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.625+/-0.116 χ^2/NDF:421.0/9

Left: -7.117+/-0.080 χ^2/NDF: 845.8/21

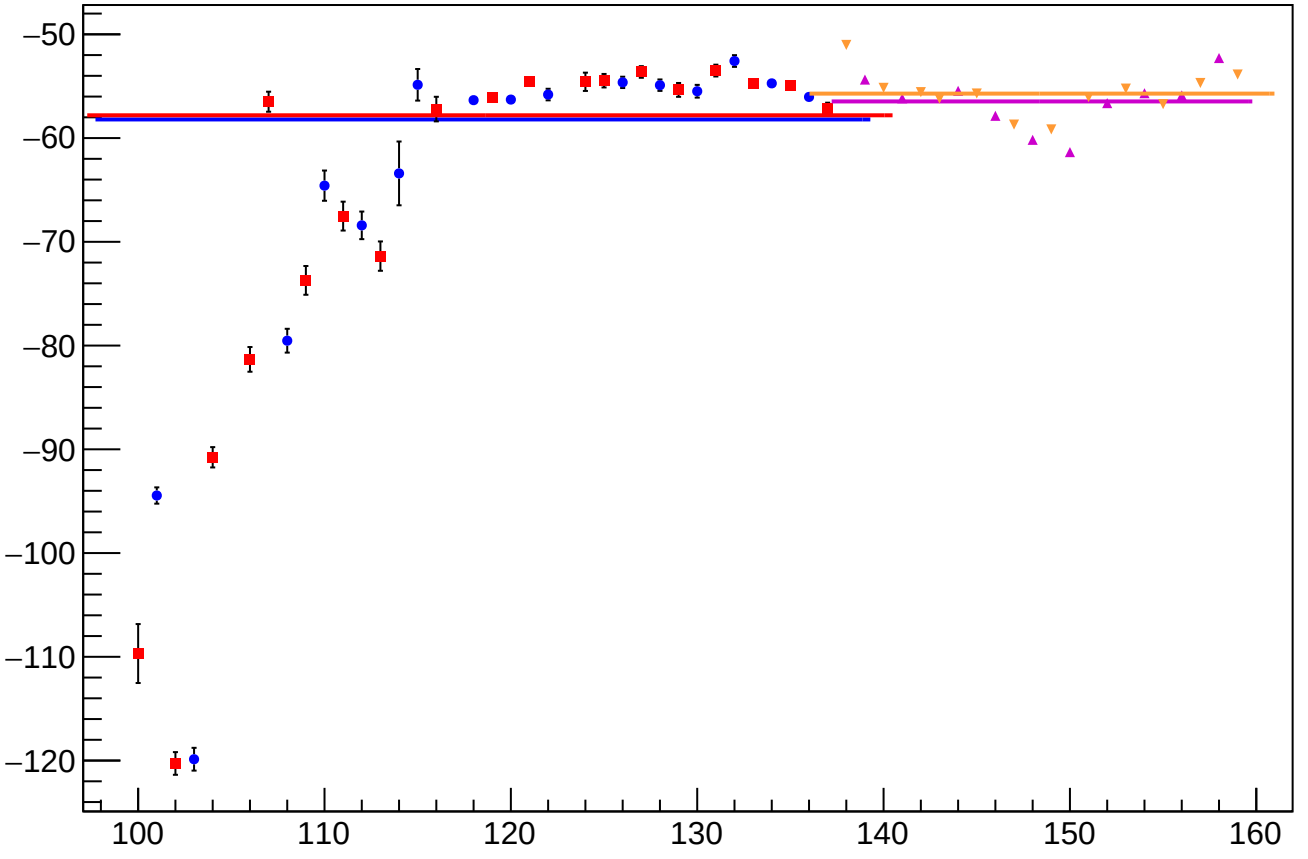
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.120+/-0.088 χ^2/NDF:951.3/25

Out: -6.086+/-0.086 χ^2/NDF:1397.9/30

All: -5.612+/-0.062 χ^2/NDF: 2410.4/56

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.714+/-0.081 χ^2/NDF:614.7/11

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -56.468+/-0.088 χ^2/NDF:967.9/9

Left: -56.061+/-0.059 χ^2/NDF: 1622.6/21

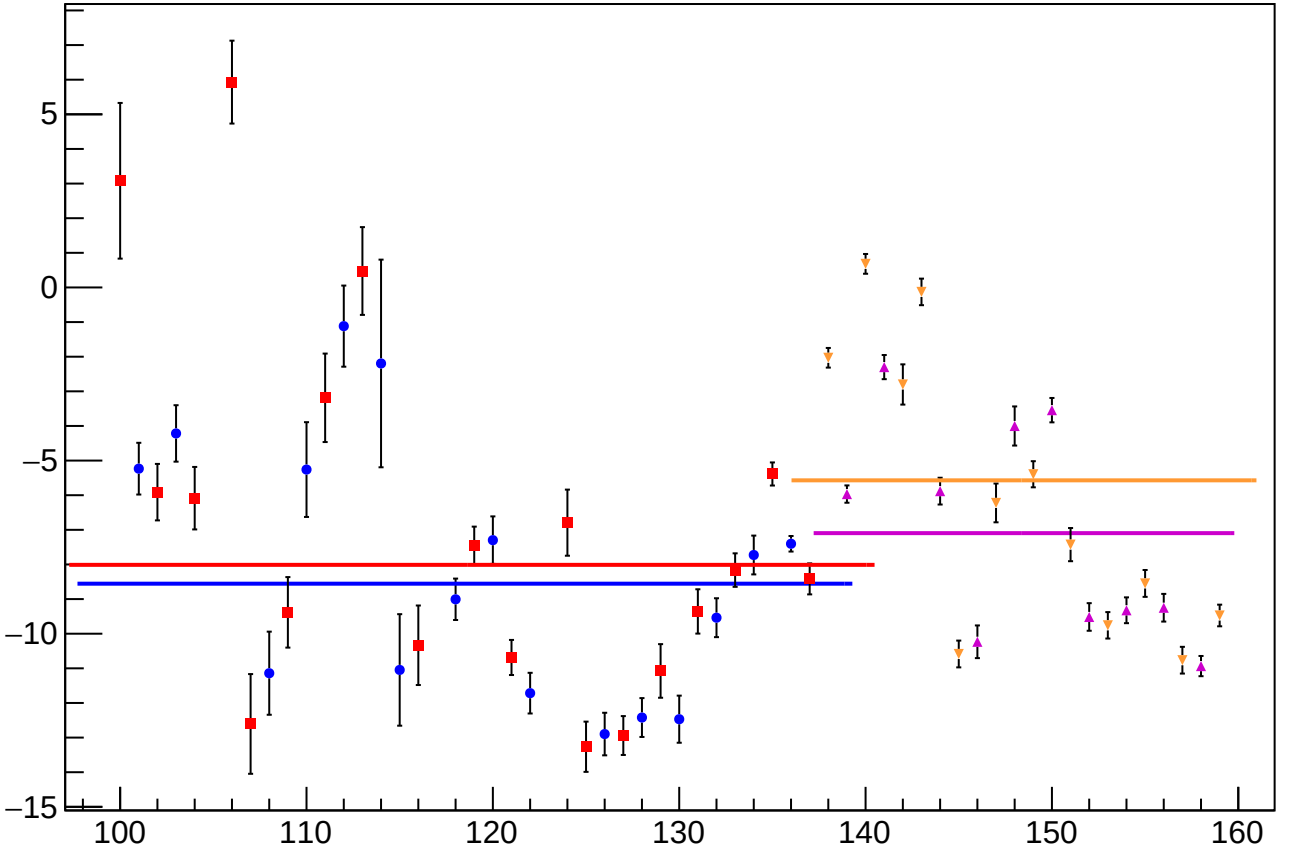
Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -56.980+/-0.074 χ^2/NDF:7210.5/25

Out: -56.245+/-0.070 χ^2/NDF:6577.3/30

All: -56.593+/-0.051 χ^2/NDF: 13840.3/56

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.571+/-0.108 χ^2/NDF:1559.7/11

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.095+/-0.113 χ^2/NDF:669.9/9

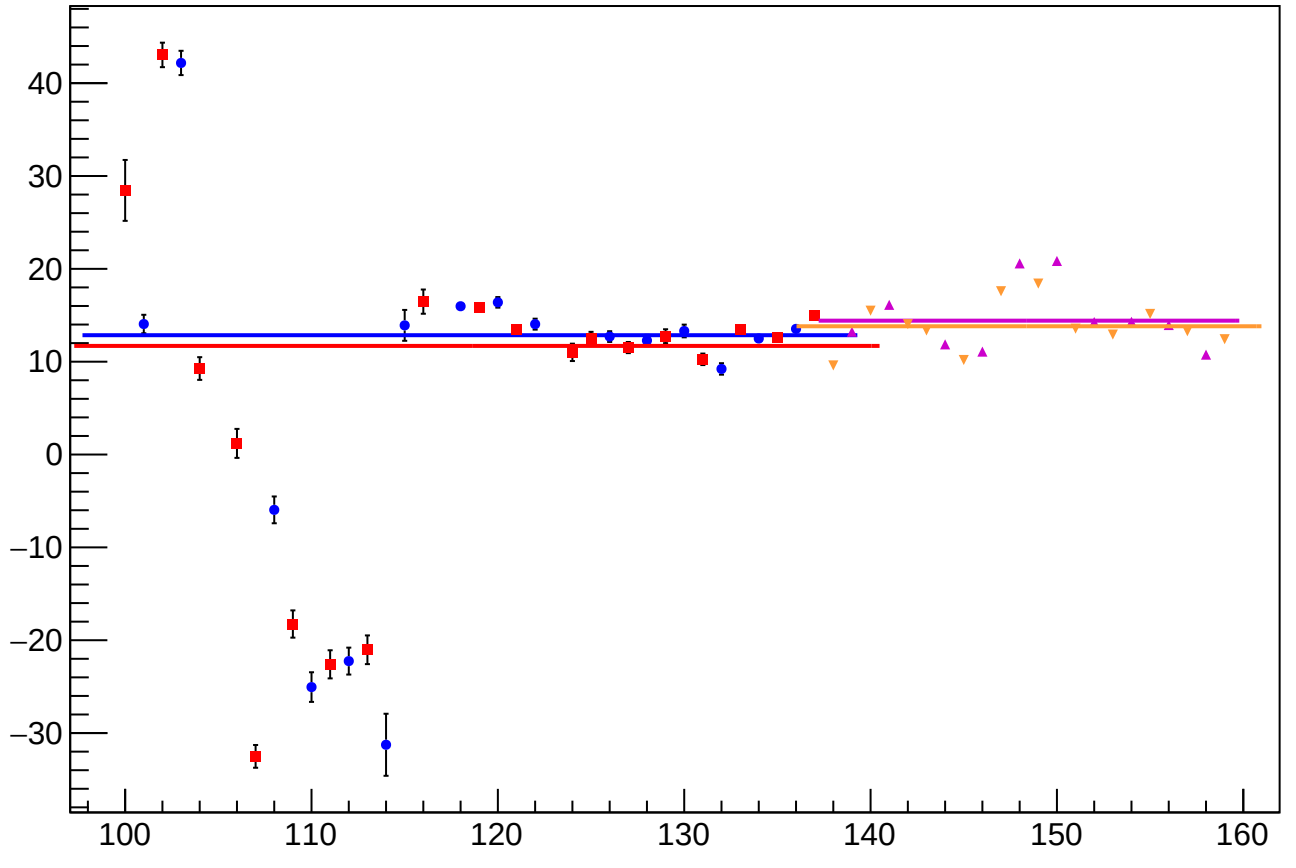
Left: -6.296+/-0.078 χ^2/NDF: 2324.8/21

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.649+/-0.089 χ^2/NDF:1033.8/25

Out: -6.380+/-0.088 χ^2/NDF:2219.2/30

All: -7.007+/-0.063 χ^2/NDF: 3355.5/56



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.815+/-0.094 χ^2/NDF:666.4/11

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 14.419+/-0.101 χ^2/NDF:1155.3/9

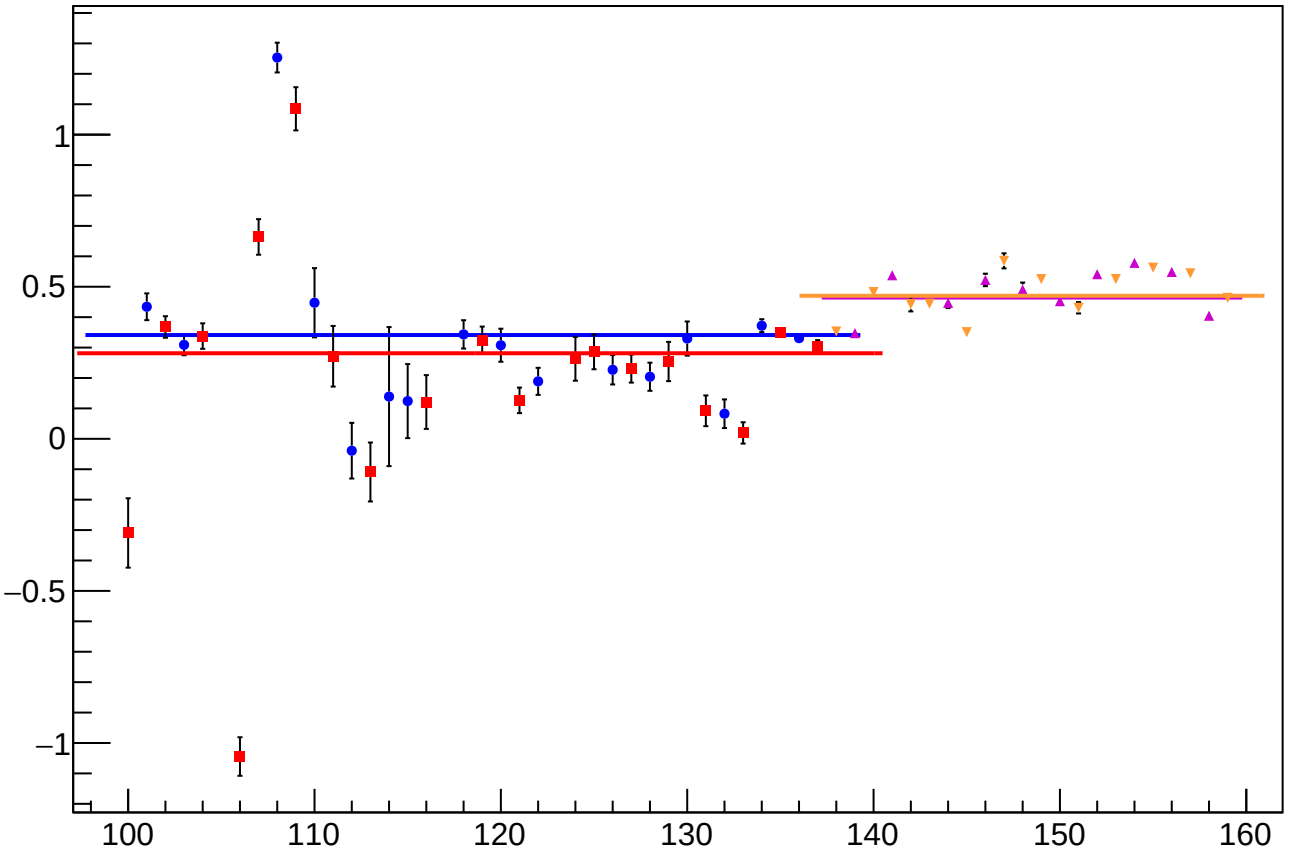
Left: 14.097+/-0.069 χ^2/NDF: 1840.9/21

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.935+/-0.084 χ^2/NDF:3358.6/25

Out: 13.247+/-0.080 χ^2/NDF:4301.5/30

All: 13.577+/-0.058 χ^2/NDF: 7695.3/56



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.470+/-0.004 χ^2/NDF:321.8/11

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.464+/-0.004 χ^2/NDF:398.4/9

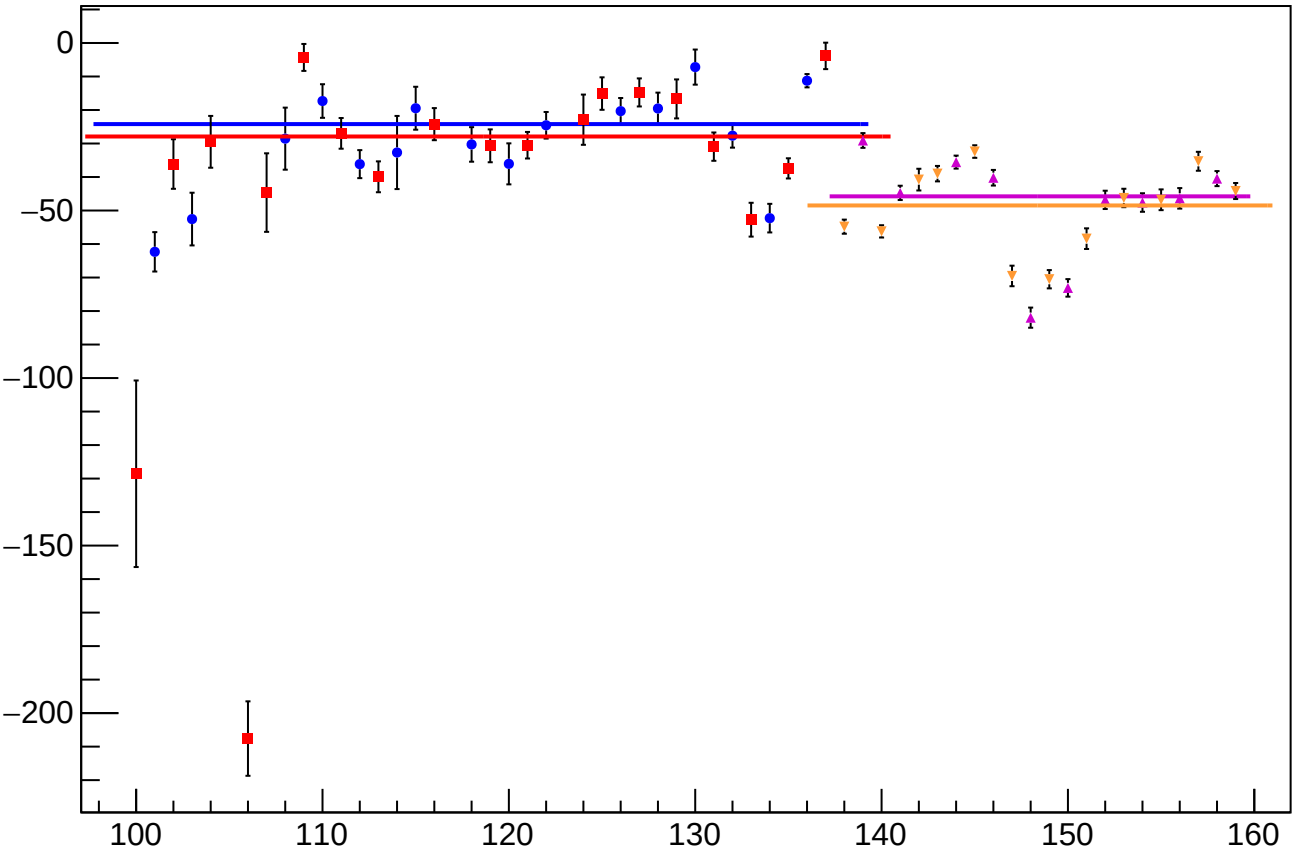
Left: 0.467+/-0.003 χ^2/NDF: 721.2/21

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.437+/-0.004 χ^2/NDF:1024.1/25

Out: 0.435+/-0.004 χ^2/NDF:1503.0/30

All: 0.436+/-0.003 χ^2/NDF: 2527.4/56



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -48.488+/-0.712 χ^2/NDF:271.4/11

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -45.770+/-0.767 χ^2/NDF:351.0/9

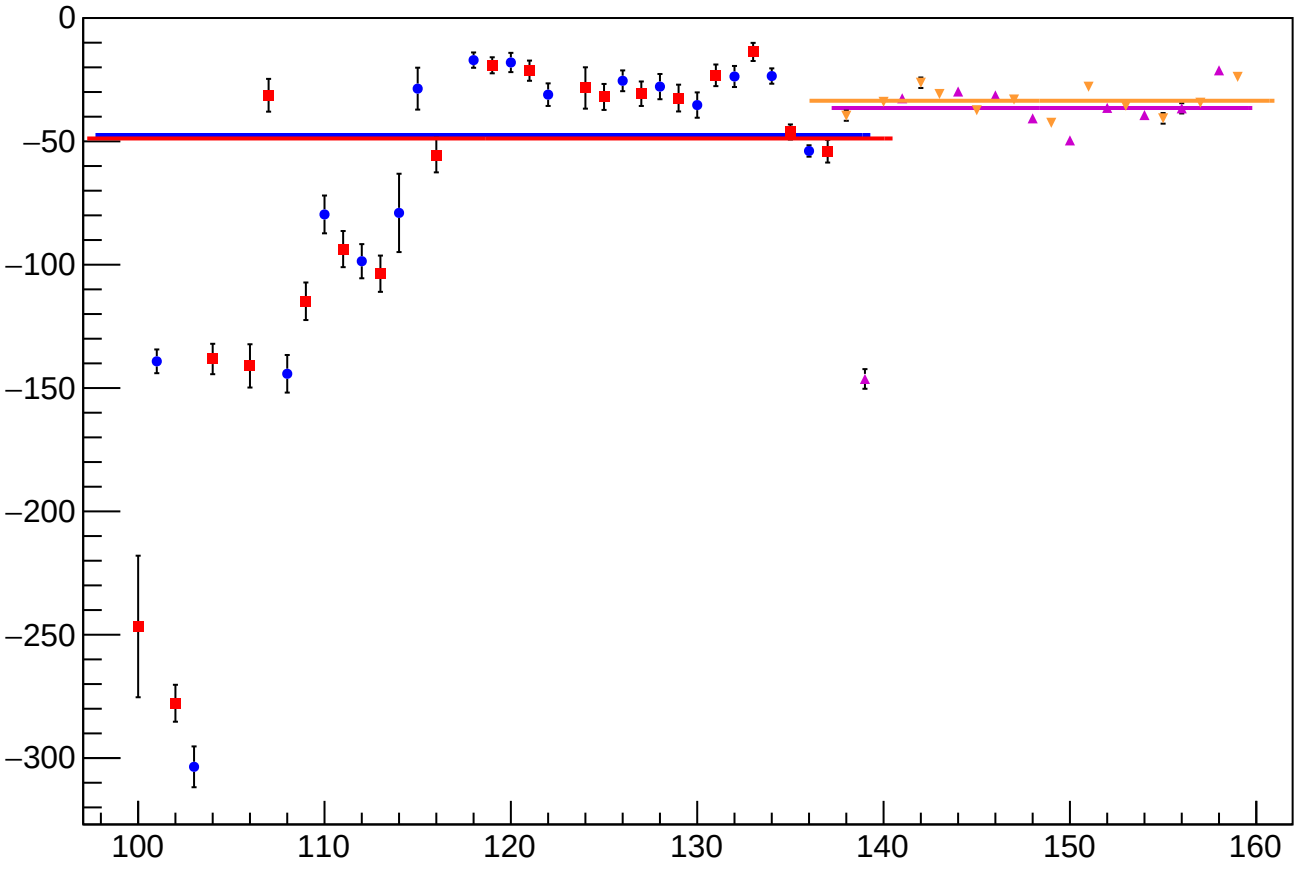
Left: -47.230+/-0.522 χ^2/NDF: 629.1/21

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -38.598+/-0.627 χ^2/NDF:784.7/25

Out: -42.690+/-0.604 χ^2/NDF:920.1/30

All: -40.720+/-0.435 χ^2/NDF: 1727.0/56



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -33.542+/-0.499 χ^2/NDF:116.0/11

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -36.480+/-0.531 χ^2/NDF:968.4/9

Left: -34.922+/-0.364 χ^2/NDF: 1100.6/21

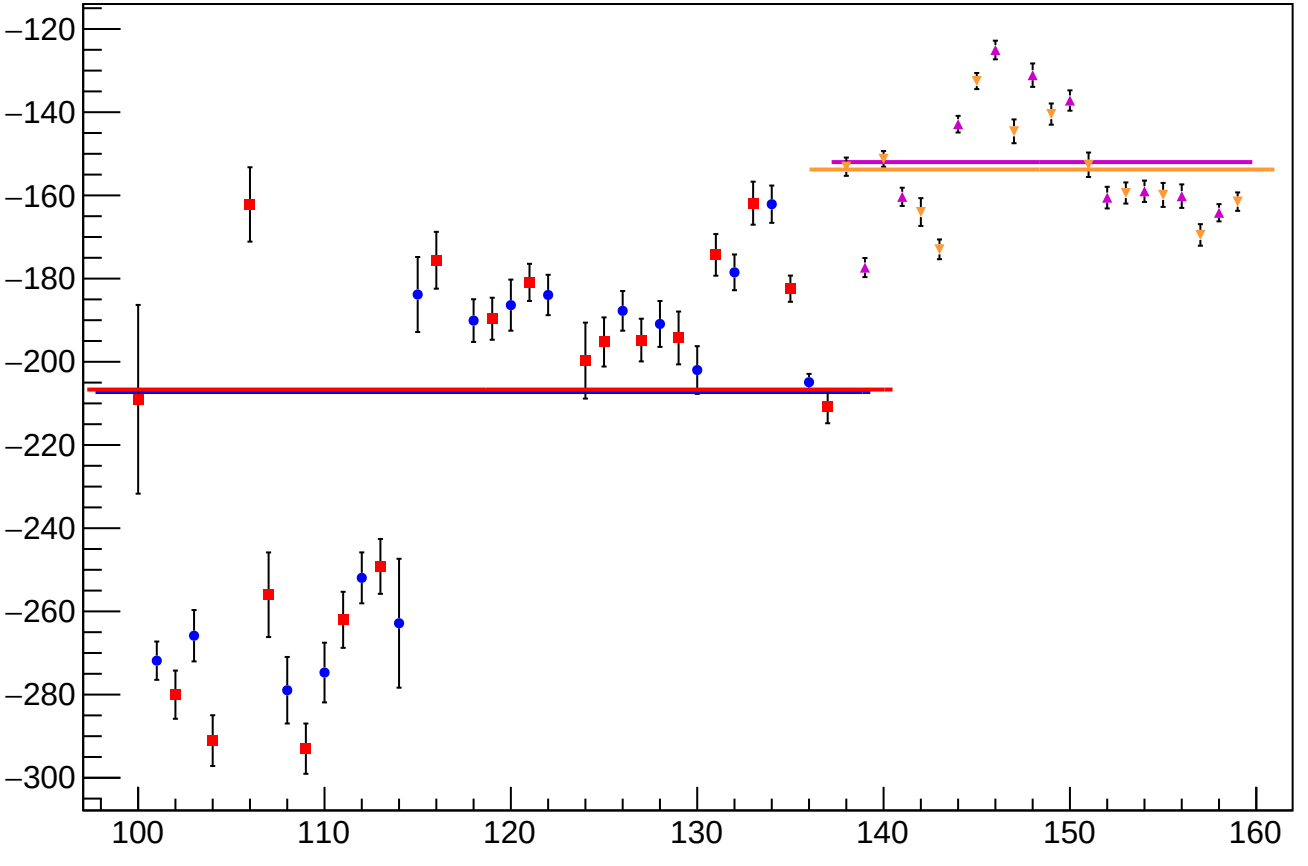
Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -38.542+/-0.478 χ^2/NDF:2922.0/25

Out: -35.857+/-0.460 χ^2/NDF:2032.5/30

All: -37.149+/-0.331 χ^2/NDF: 4970.8/56

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -153.780+/-0.700 χ^2/NDF:293.7/11

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -151.991+/-0.746 χ^2/NDF:454.8/9

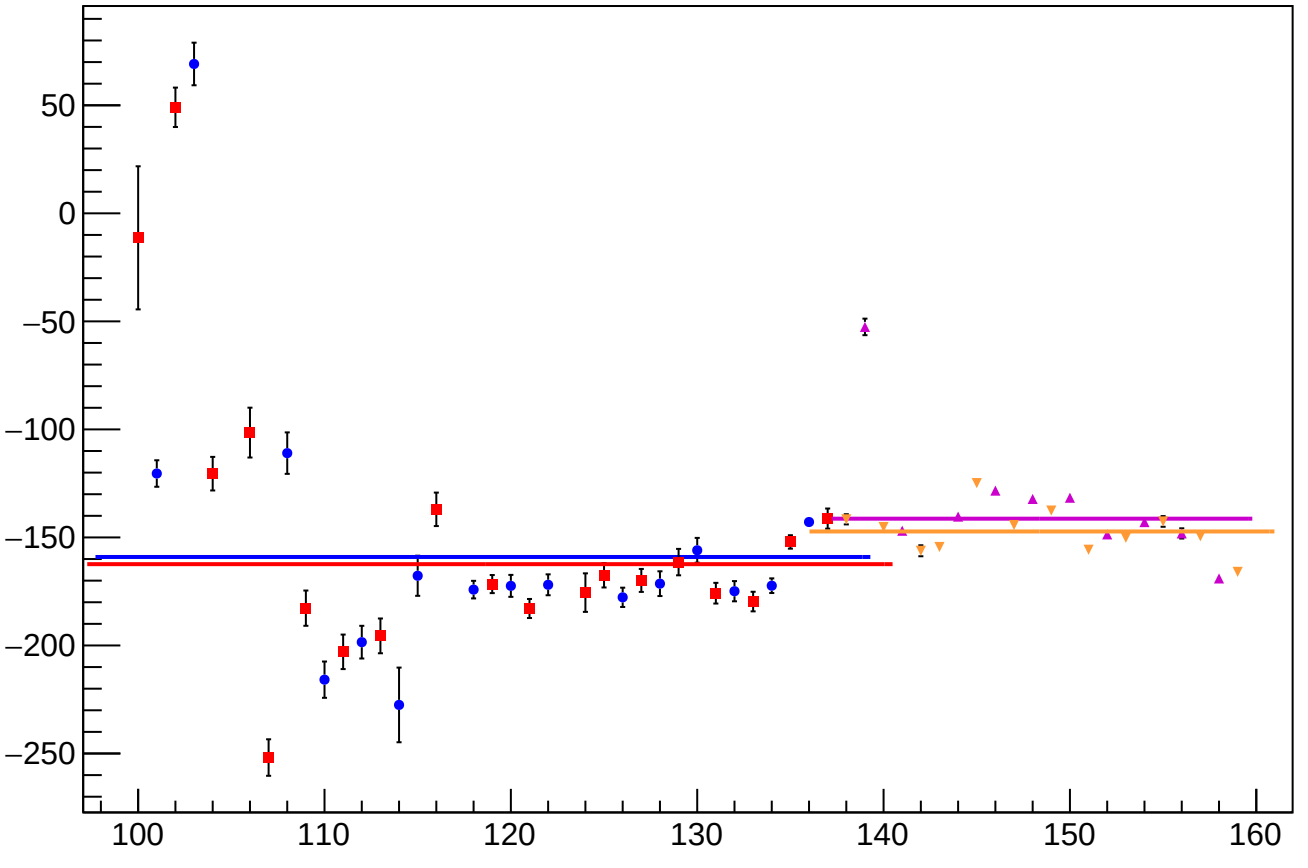
Left: -152.942+/-0.510 χ^2/NDF: 751.6/21

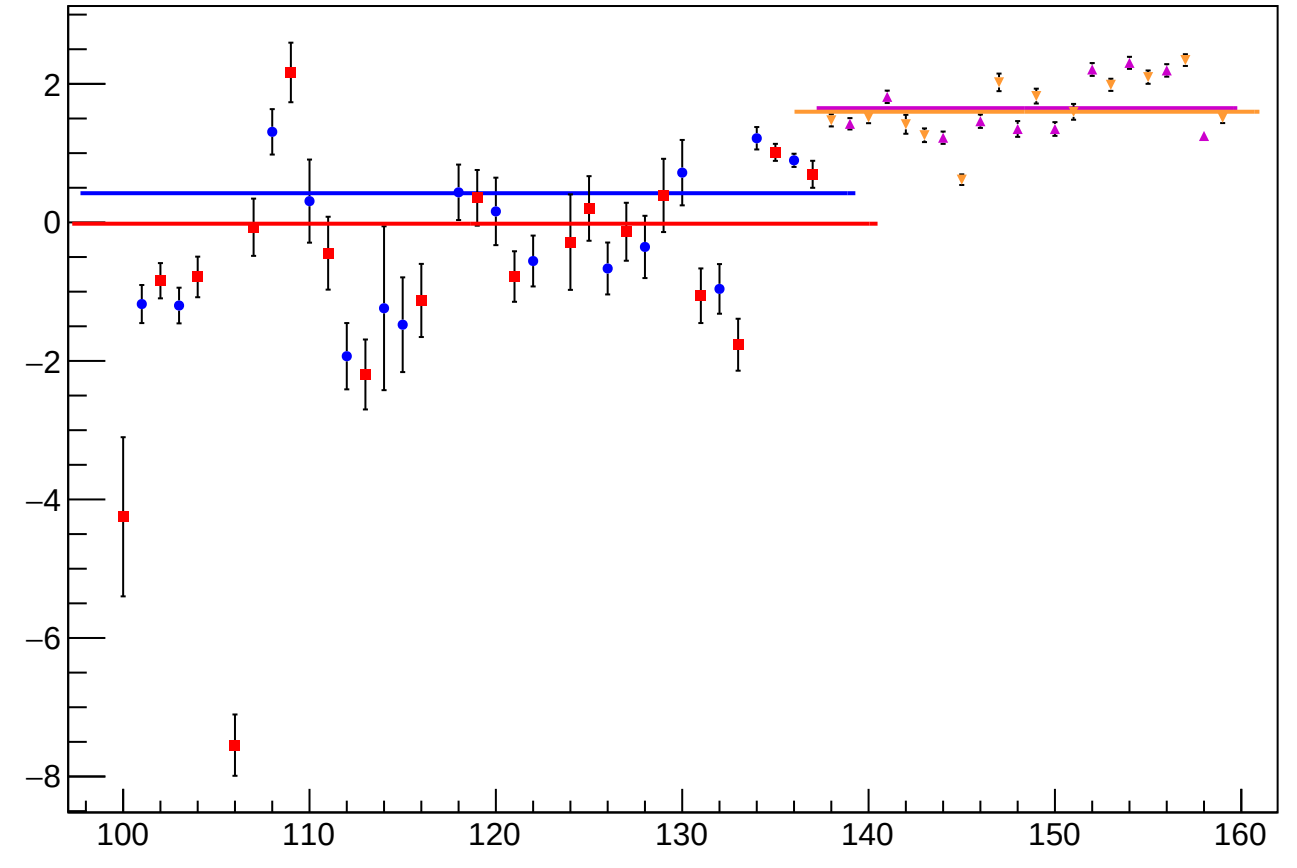
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -167.796+/-0.630 χ^2/NDF:2774.6/25

Out: -165.960+/-0.614 χ^2/NDF:2578.6/30

All: -166.854+/-0.440 χ^2/NDF: 5357.6/56


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -147.240+/-0.592 χ²/NDF:361.3/11
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -141.321+/-0.627 χ²/NDF:965.7/9
Left: -144.451+/-0.430 χ²/NDF: 1374.2/21
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -144.997+/-0.558 χ²/NDF:1947.4/25
Out: -149.758+/-0.540 χ²/NDF:1342.7/30
All: -147.455+/-0.388 χ²/NDF: 3327.6/56



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.598+/-0.027 χ^2/NDF:320.9/11

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.649+/-0.028 χ^2/NDF:213.9/9

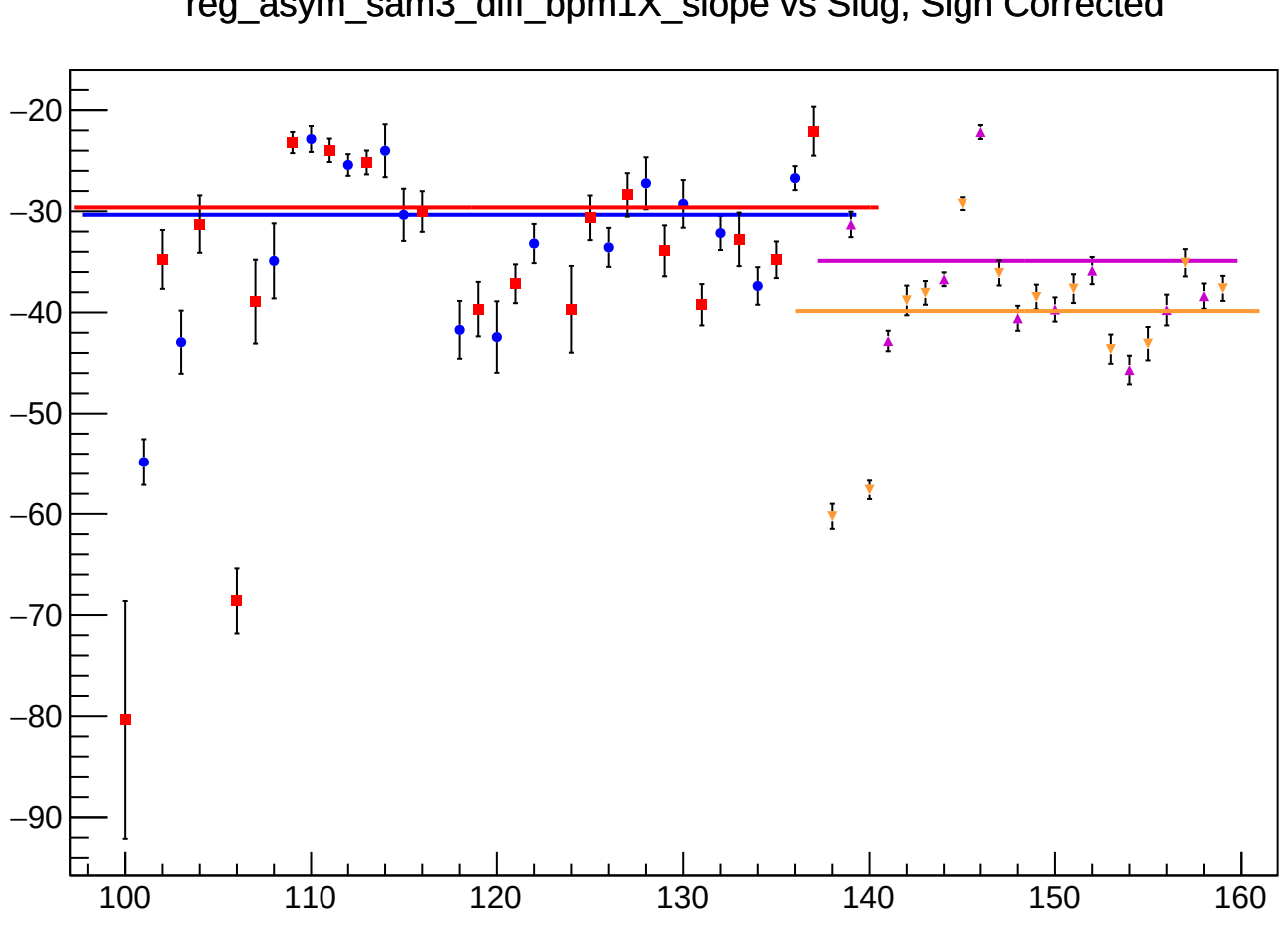
Left: 1.622+/-0.020 χ^2/NDF: 536.5/21

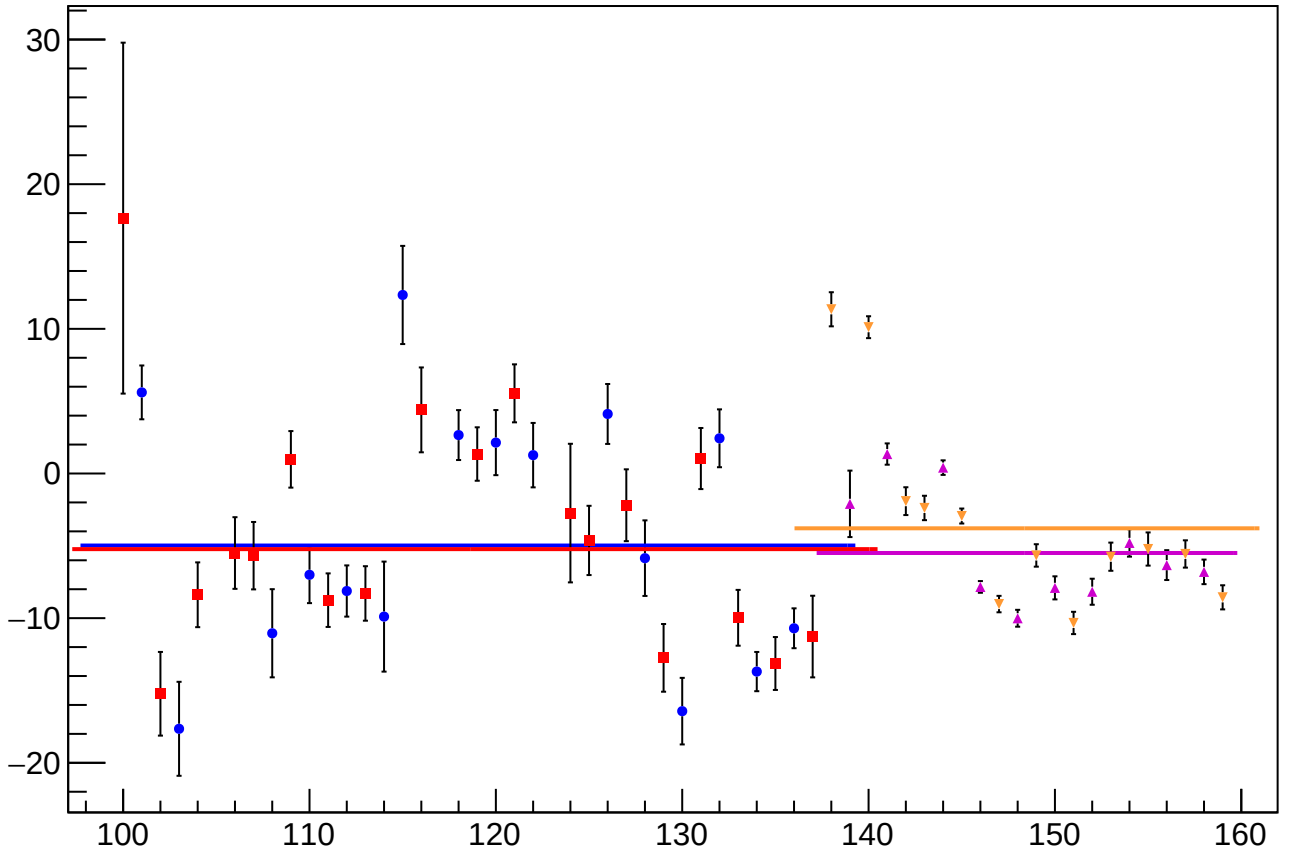
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.452+/-0.026 χ^2/NDF:712.9/25

Out: 1.400+/-0.025 χ^2/NDF:1247.6/30

All: 1.425+/-0.018 χ^2/NDF: 1962.6/56


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -39.861+/-0.327 χ²/NDF:962.9/11
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -34.892+/-0.328 χ²/NDF:529.6/9
Left: -37.386+/-0.231 χ²/NDF: 1607.8/21
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -33.394+/-0.268 χ²/NDF:846.7/25
Out: -36.330+/-0.264 χ²/NDF:1631.4/30
All: -34.884+/-0.188 χ²/NDF: 2538.8/56



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.789+/-0.226 χ^2/NDF:716.6/11

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -5.495+/-0.217 χ^2/NDF:340.9/9

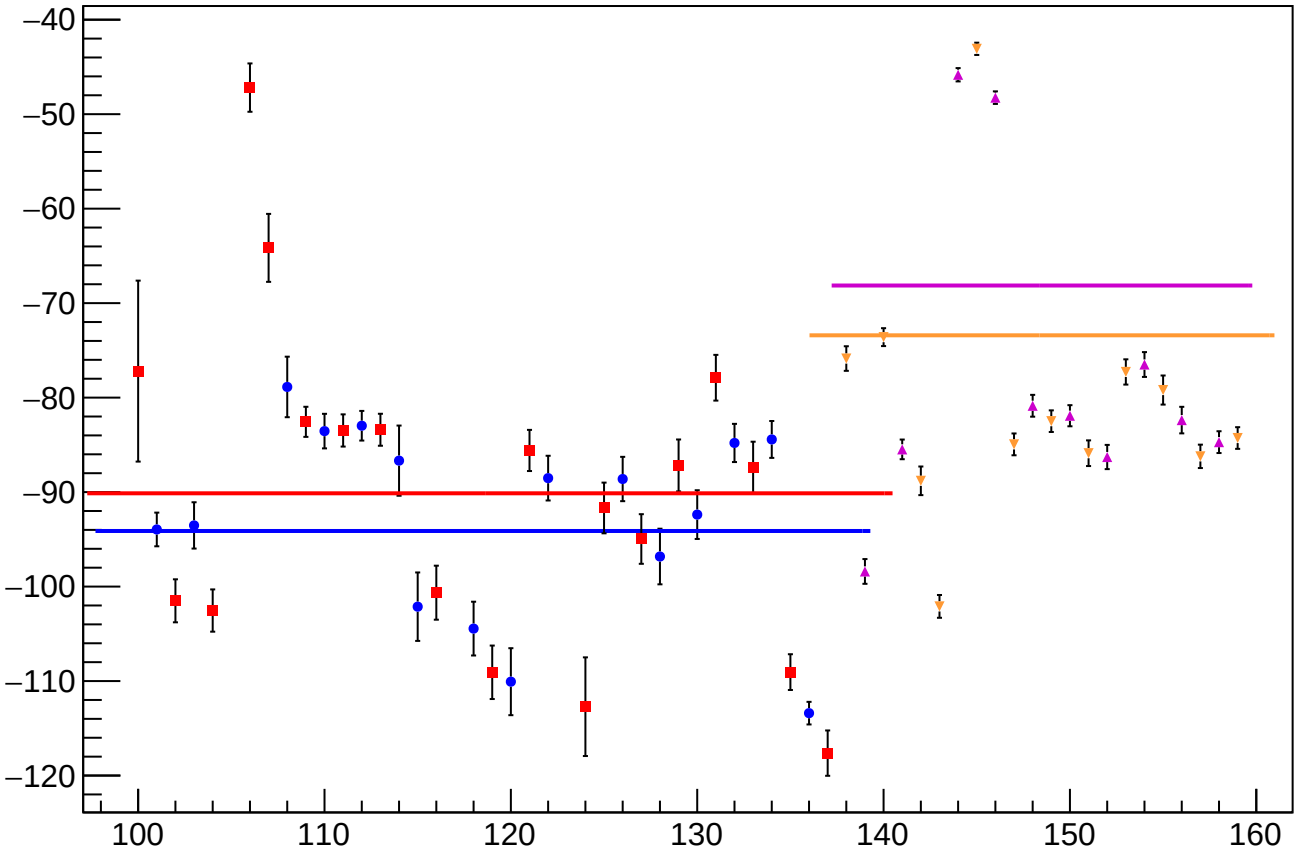
Left: -4.679+/-0.157 χ^2/NDF: 1087.1/21

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.416+/-0.199 χ^2/NDF:579.1/25

Out: -4.016+/-0.208 χ^2/NDF:859.4/30

All: -4.745+/-0.144 χ^2/NDF: 1462.1/56



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -73.406+/-0.322 χ^2/NDF:3312.5/11

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -68.134+/-0.320 χ^2/NDF:3529.3/9

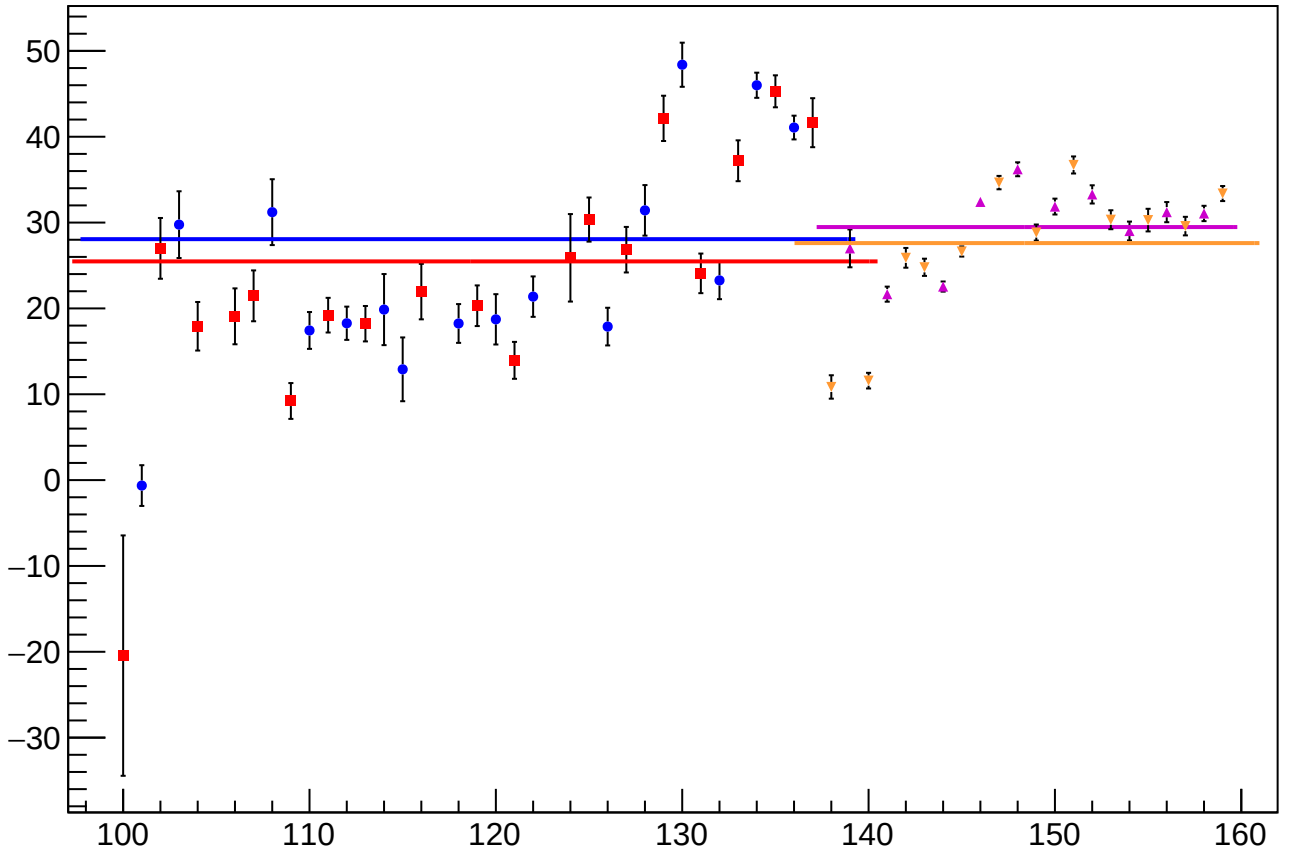
Left: -70.752+/-0.227 χ^2/NDF: 6976.7/21

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -74.939+/-0.275 χ^2/NDF:5723.6/25

Out: -77.757+/-0.277 χ^2/NDF:4803.5/30

All: -76.337+/-0.195 χ^2/NDF: 10579.4/56



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.610+/-0.270 χ^2/NDF:696.4/11

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 29.477+/-0.262 χ^2/NDF:344.8/9

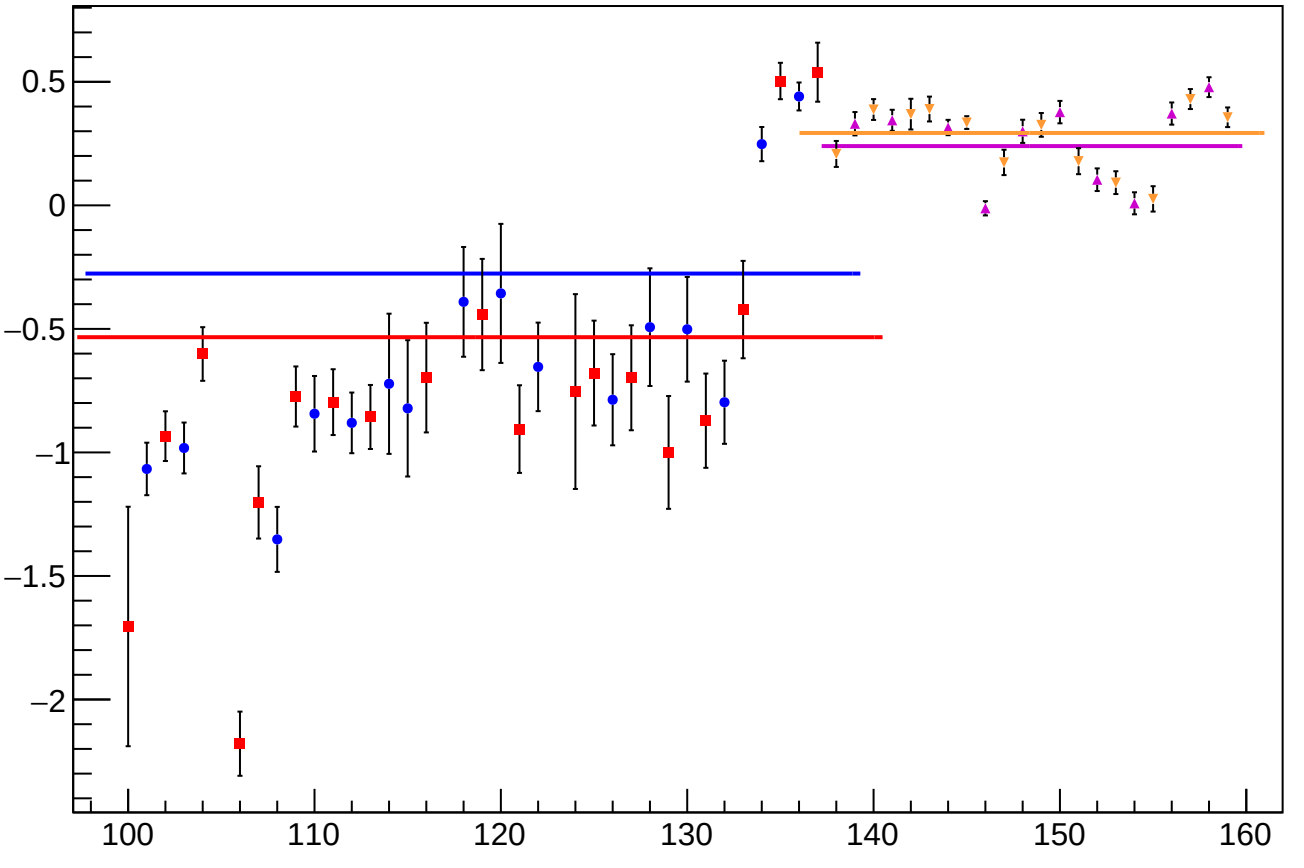
Left: 28.574+/-0.188 χ^2/NDF: 1065.8/21

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 29.231+/-0.238 χ^2/NDF:933.0/25

Out: 27.240+/-0.246 χ^2/NDF:1061.8/30

All: 28.269+/-0.171 χ^2/NDF: 2028.7/56



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.293+/-0.013 χ^2/NDF:86.2/11

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.240+/-0.013 χ^2/NDF:182.2/9

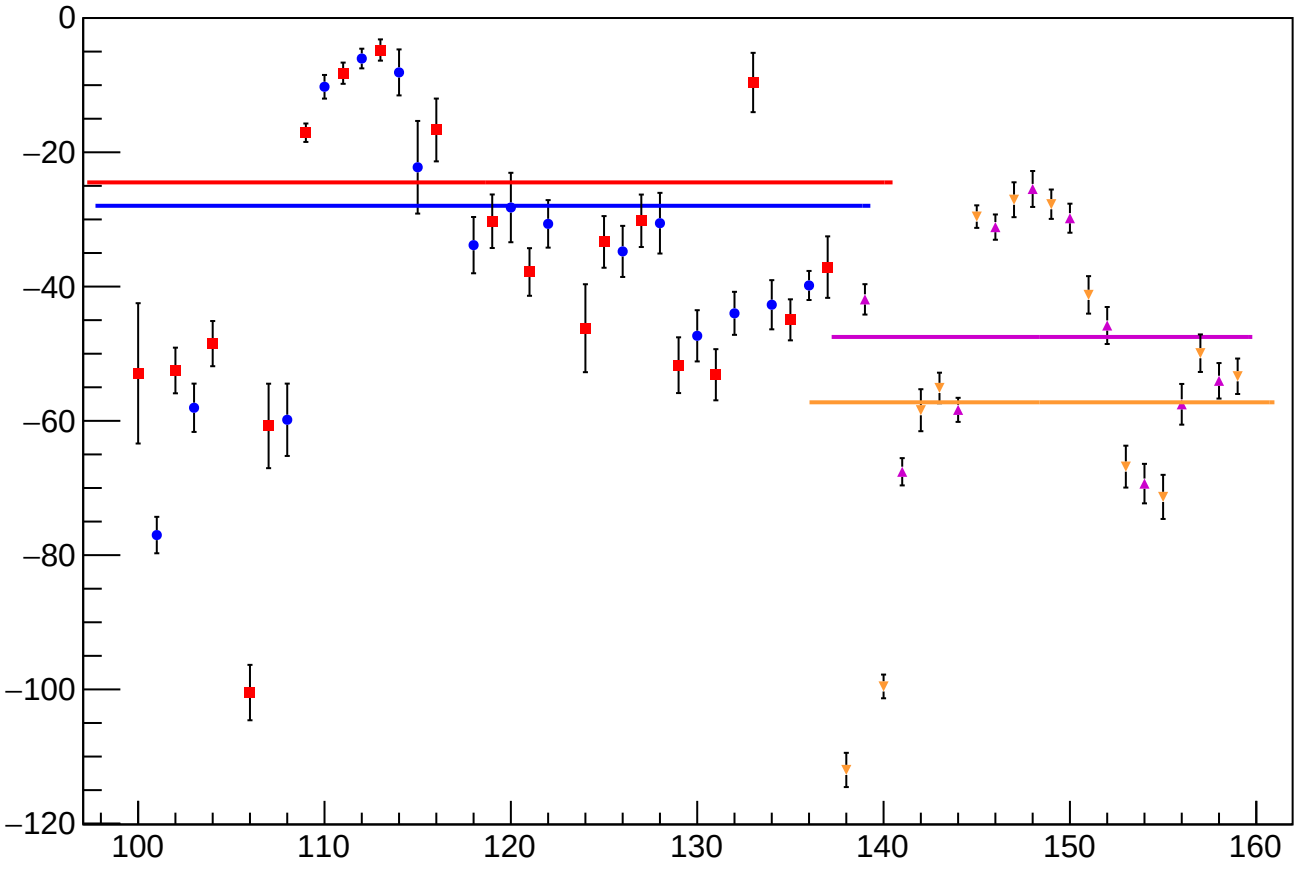
Left: 0.267+/-0.009 χ^2/NDF: 277.2/21

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.165+/-0.012 χ^2/NDF:880.2/25

Out: 0.188+/-0.012 χ^2/NDF:1149.0/30

All: 0.176+/-0.008 χ^2/NDF: 2031.0/56



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -57.238+/-0.694 χ^2/NDF:1694.3/11

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -47.503+/-0.729 χ^2/NDF:423.3/9

Left: -52.608+/-0.503 χ^2/NDF: 2211.2/21

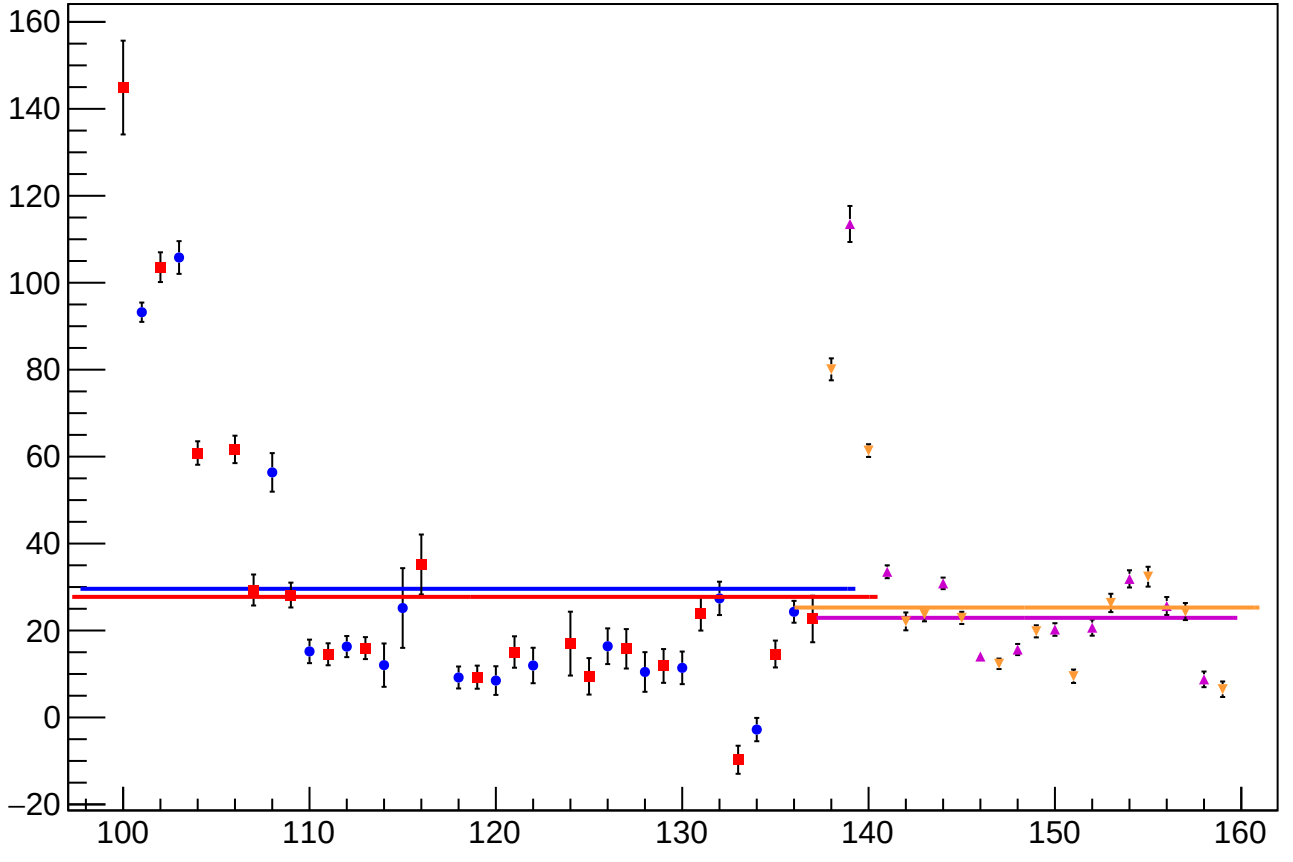
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -37.720+/-0.515 χ^2/NDF:1677.8/25

Out: -40.112+/-0.479 χ^2/NDF:3848.9/30

All: -39.002+/-0.351 χ^2/NDF: 5538.3/56

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.287+/-0.480 χ^2/NDF:1438.6/11

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 22.915+/-0.499 χ^2/NDF:746.5/9

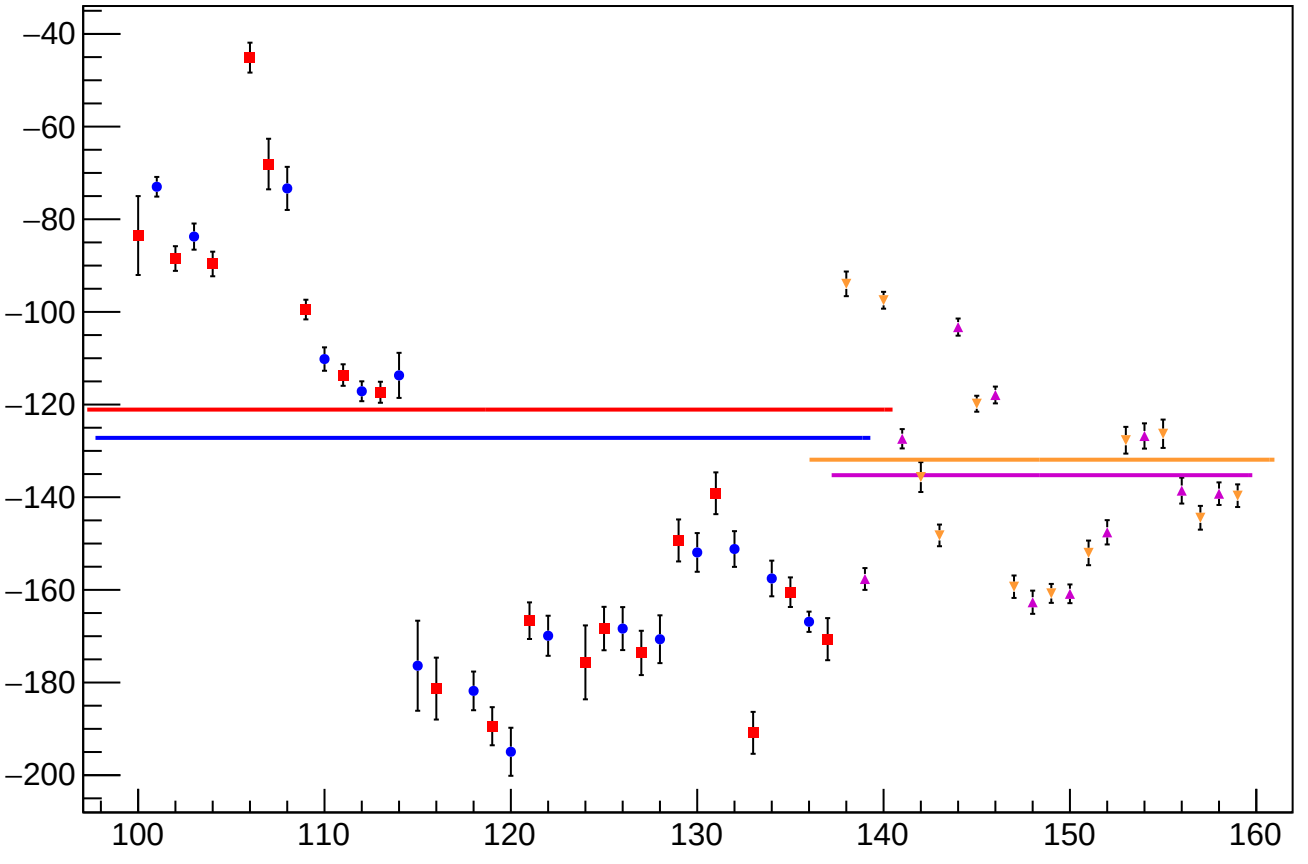
Left: 24.147+/-0.346 χ^2/NDF: 2196.8/21

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 24.762+/-0.424 χ^2/NDF:2461.7/25

Out: 25.938+/-0.411 χ^2/NDF:2630.6/30

All: 25.369+/-0.295 χ^2/NDF: 5096.3/56



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -131.900+/-0.681 χ^2/NDF:1085.9/11

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -135.244+/-0.709 χ^2/NDF:811.5/9

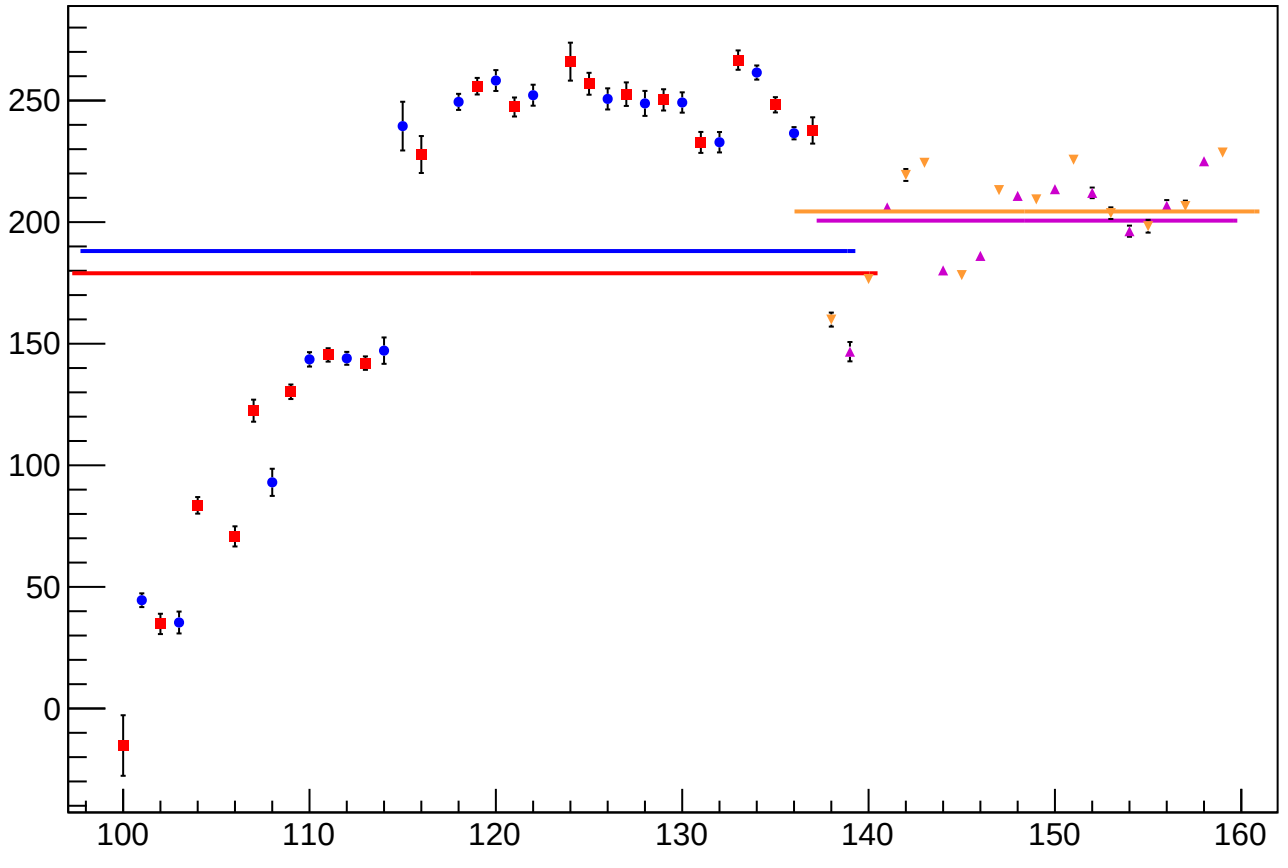
Left: -133.504+/-0.491 χ^2/NDF: 1908.9/21

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.842+/-0.539 χ^2/NDF:3044.1/25

Out: -127.343+/-0.518 χ^2/NDF:3589.5/30

All: -129.502+/-0.373 χ^2/NDF: 6669.8/56



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 204.390+/-0.573 χ^2/NDF:1223.9/11

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 200.614+/-0.594 χ^2/NDF:767.9/9

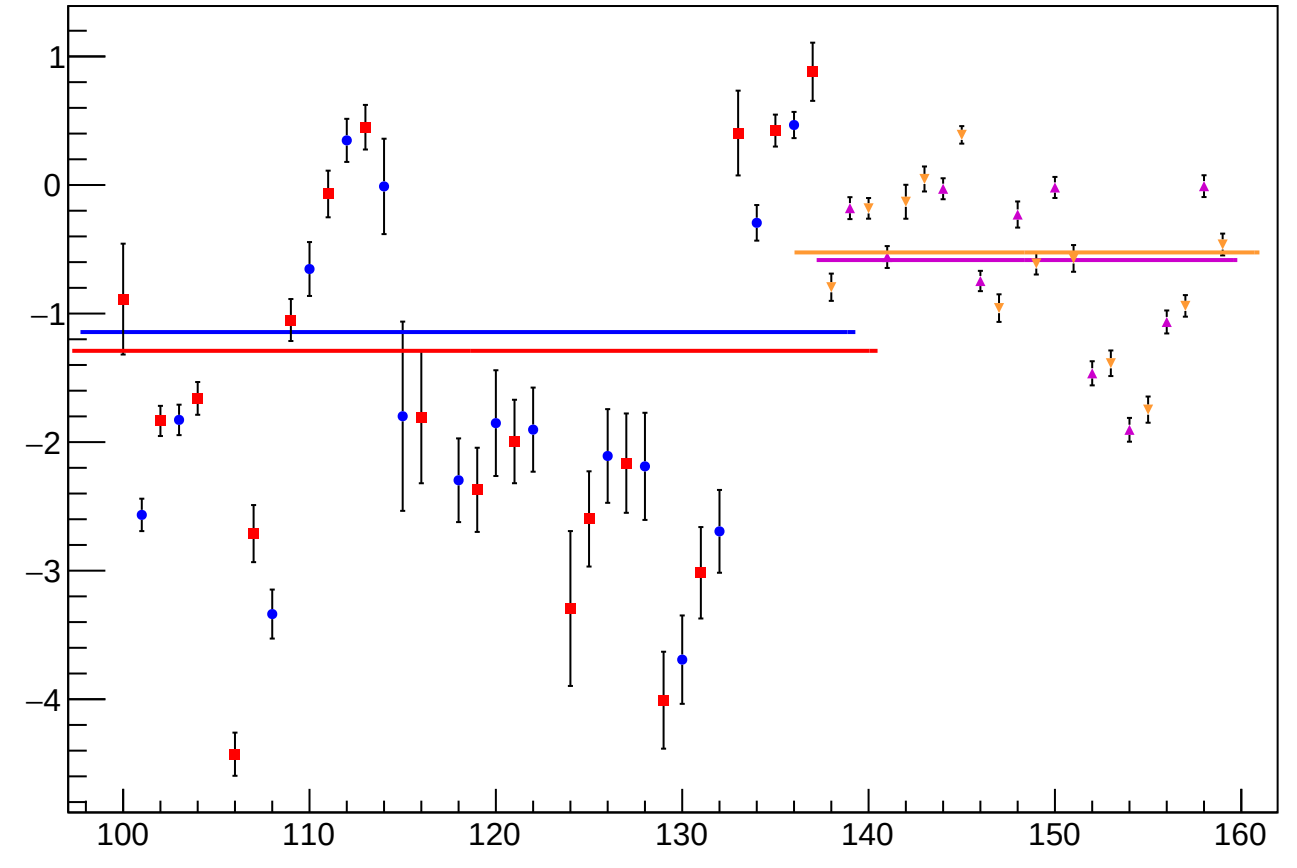
Left: 202.571+/-0.412 χ^2/NDF: 2012.8/21

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 196.922+/-0.499 χ^2/NDF:8017.3/25

Out: 197.154+/-0.484 χ^2/NDF:8453.2/30

All: 197.041+/-0.348 χ^2/NDF: 16470.7/56



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.525+/-0.027 χ^2/NDF:509.8/11

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.584+/-0.027 χ^2/NDF:499.4/9

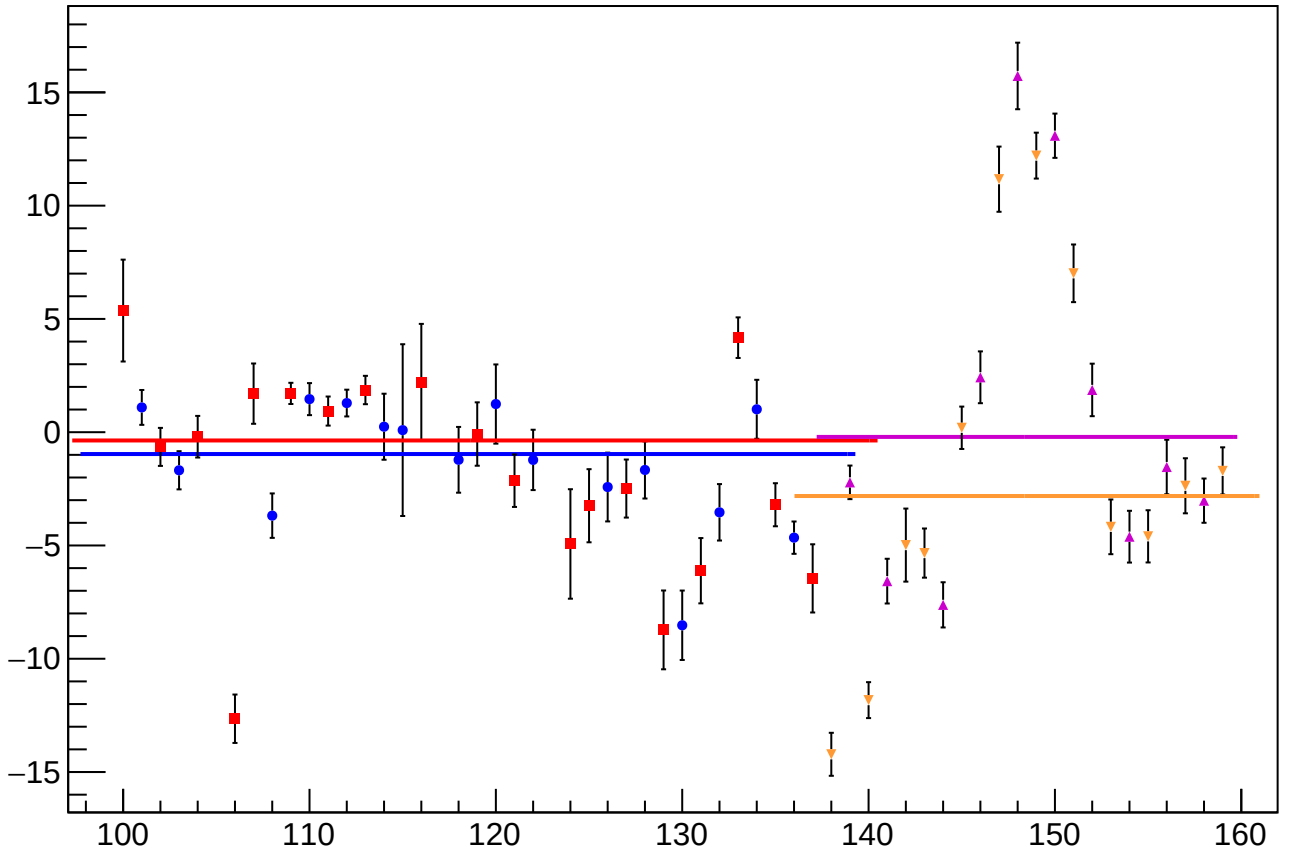
Left: -0.553+/-0.019 χ^2/NDF: 1011.6/21

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.722+/-0.024 χ^2/NDF:1389.4/25

Out: -0.707+/-0.023 χ^2/NDF:1706.1/30

All: -0.714+/-0.017 χ^2/NDF: 3095.7/56



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.817+/-0.313 χ^2/NDF:669.9/11

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -0.208+/-0.327 χ^2/NDF:439.9/9

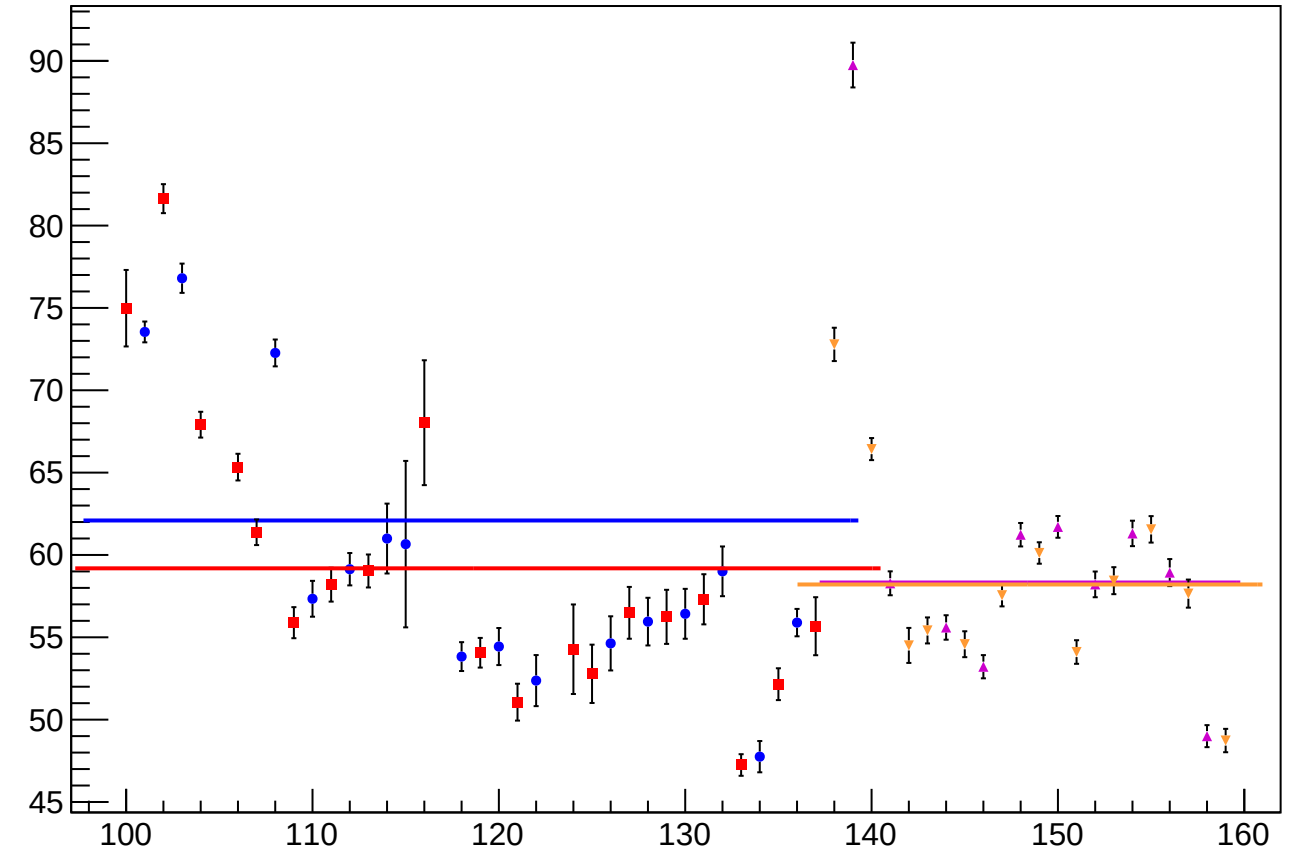
Left: -1.567+/-0.226 χ^2/NDF: 1143.0/21

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.680+/-0.200 χ^2/NDF:546.5/25

Out: -1.193+/-0.182 χ^2/NDF:991.0/30

All: -0.961+/-0.135 χ^2/NDF: 1541.1/56



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 58.208+/-0.222 χ^2/NDF:642.5/11

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 58.327+/-0.239 χ^2/NDF:853.5/9

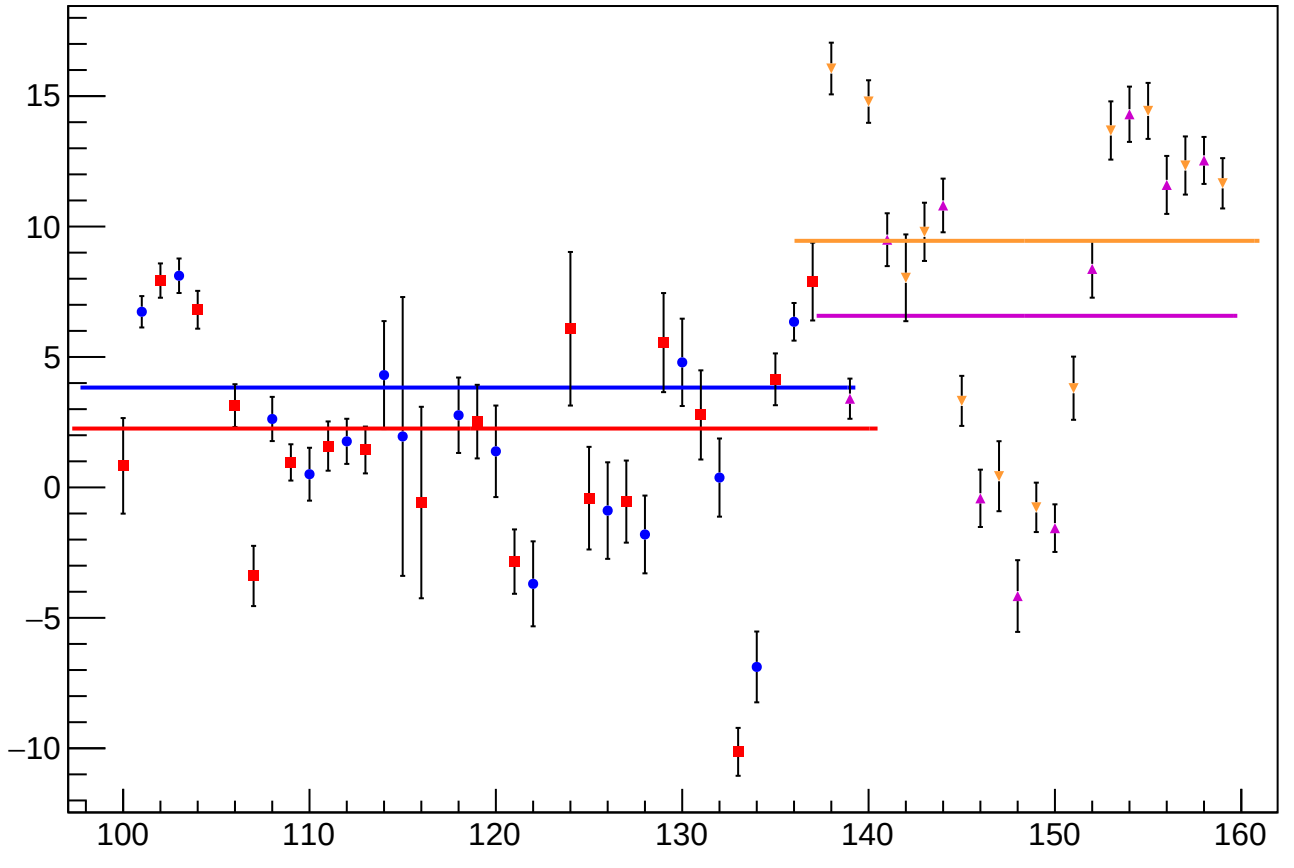
Left: 58.263+/-0.163 χ^2/NDF: 1496.1/21

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 60.011+/-0.177 χ^2/NDF:2266.2/25

Out: 58.653+/-0.164 χ^2/NDF:2053.4/30

All: 59.280+/-0.121 χ^2/NDF: 4351.1/56



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.452+/-0.306 χ^2/NDF:360.1/11

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 6.578+/-0.318 χ^2/NDF:343.3/9

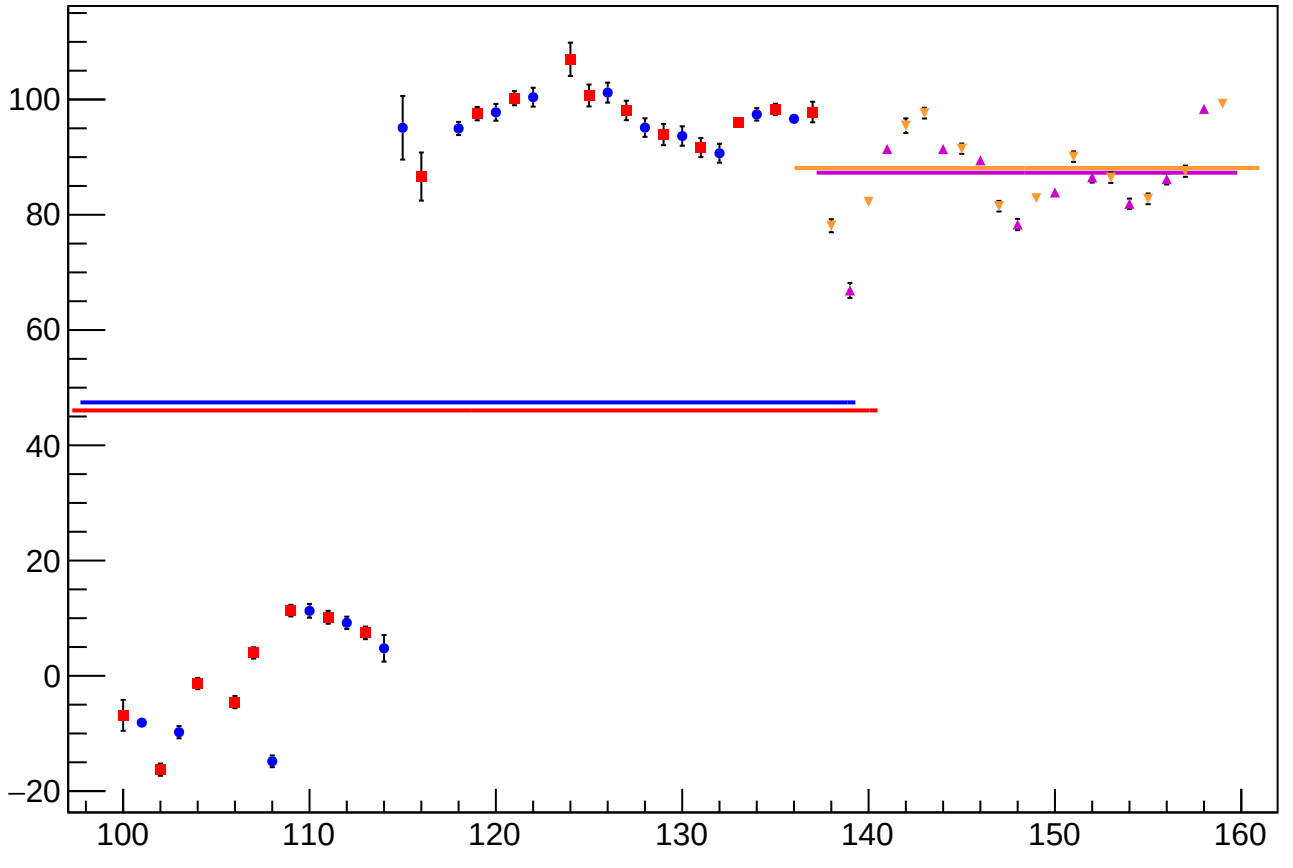
Left: 8.068+/-0.220 χ^2/NDF: 745.9/21

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.958+/-0.204 χ^2/NDF:596.0/25

Out: 5.087+/-0.192 χ^2/NDF:1067.4/30

All: 5.026+/-0.140 χ^2/NDF: 1663.6/56



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 88.120+/-0.262 χ^2/NDF:648.3/11

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 87.302+/-0.277 χ^2/NDF:688.9/9

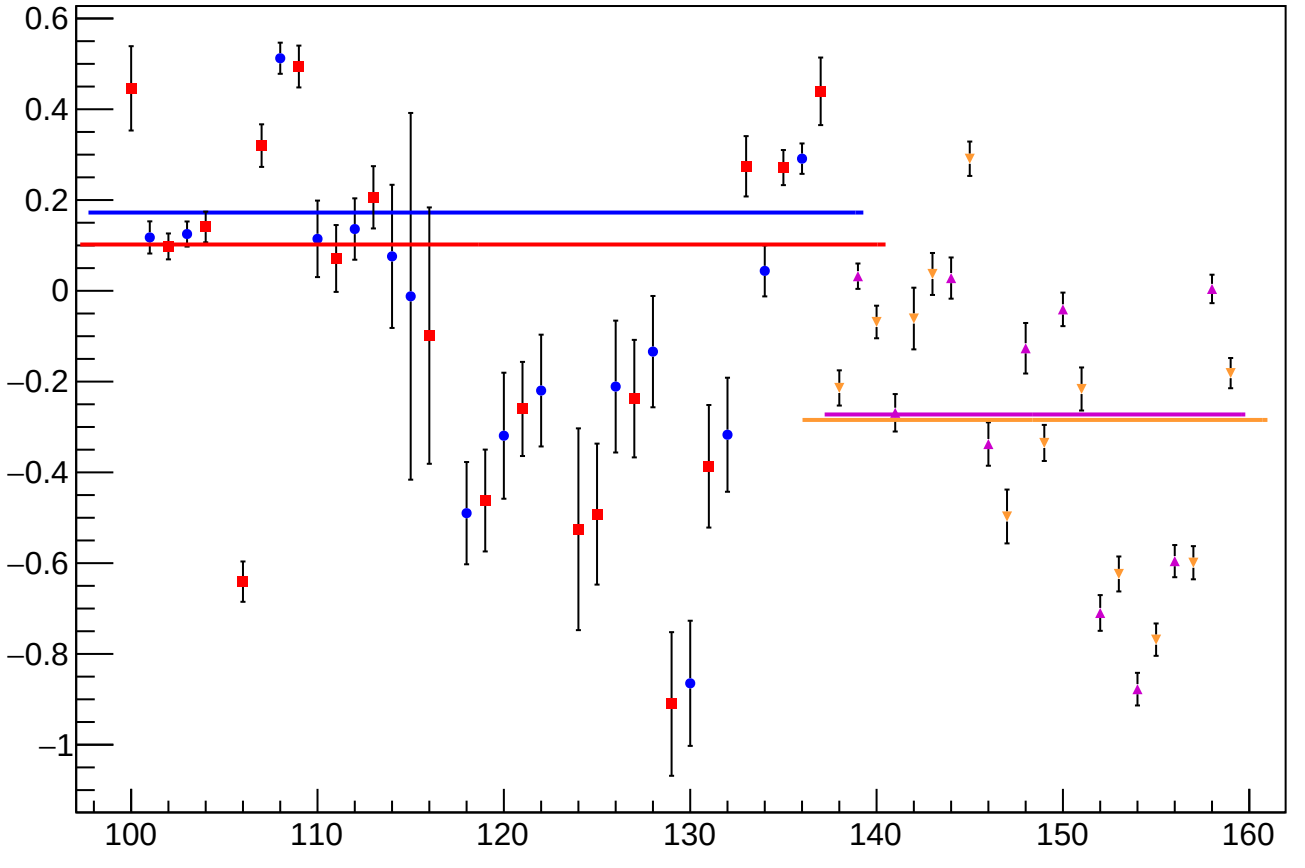
Left: 87.735+/-0.190 χ^2/NDF: 1341.8/21

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 69.457+/-0.206 χ^2/NDF:36822.0/25

Out: 68.841+/-0.193 χ^2/NDF:41395.3/30

All: 69.128+/-0.141 χ^2/NDF: 78222.0/56



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.284+/-0.012 χ^2/NDF:691.7/11

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.272+/-0.012 χ^2/NDF:778.6/9

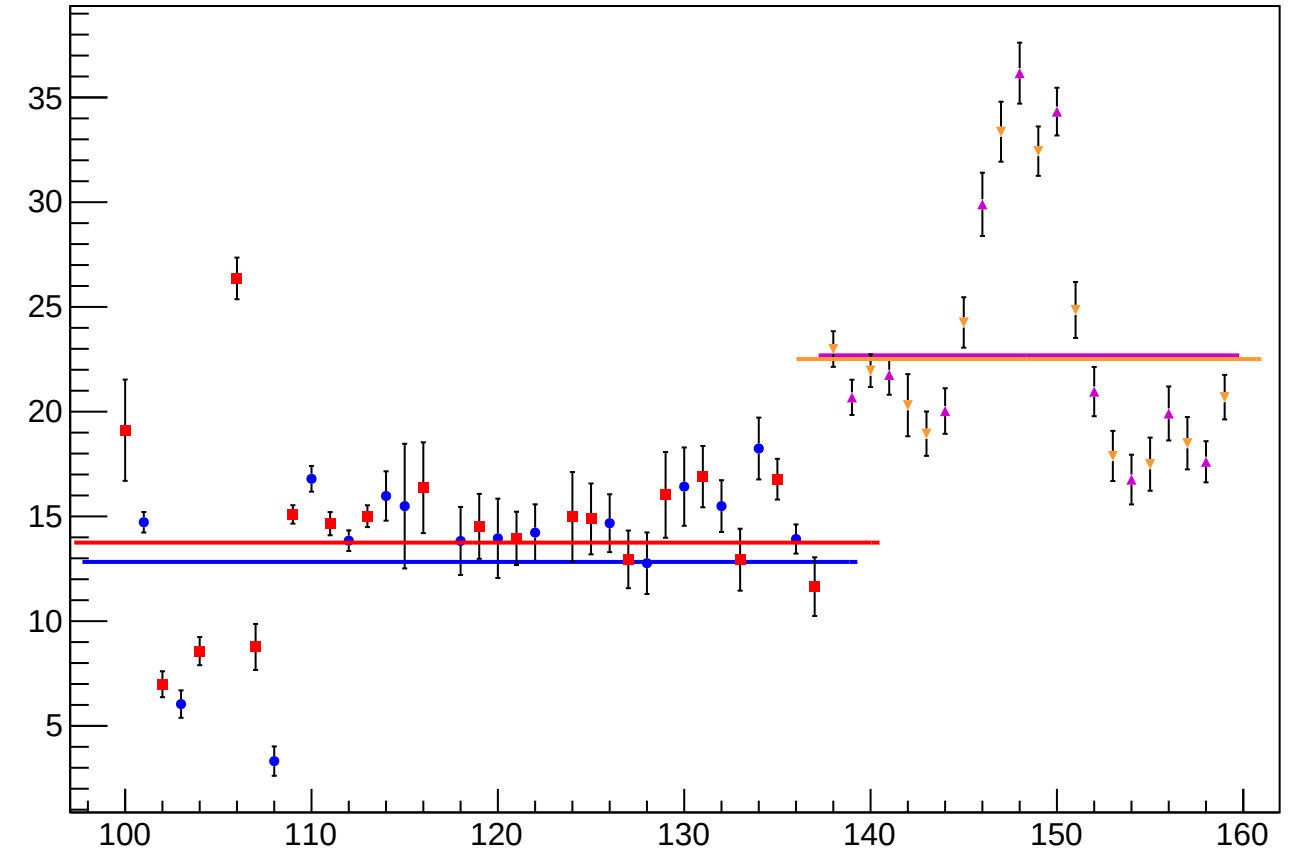
Left: -0.279+/-0.008 χ^2/NDF: 1470.8/21

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.088+/-0.009 χ^2/NDF:1623.1/25

Out: -0.118+/-0.009 χ^2/NDF:1720.2/30

All: -0.104+/-0.006 χ^2/NDF: 3348.6/56



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.512+/-0.321 χ^2/NDF:191.8/11

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 22.688+/-0.351 χ^2/NDF:284.1/9

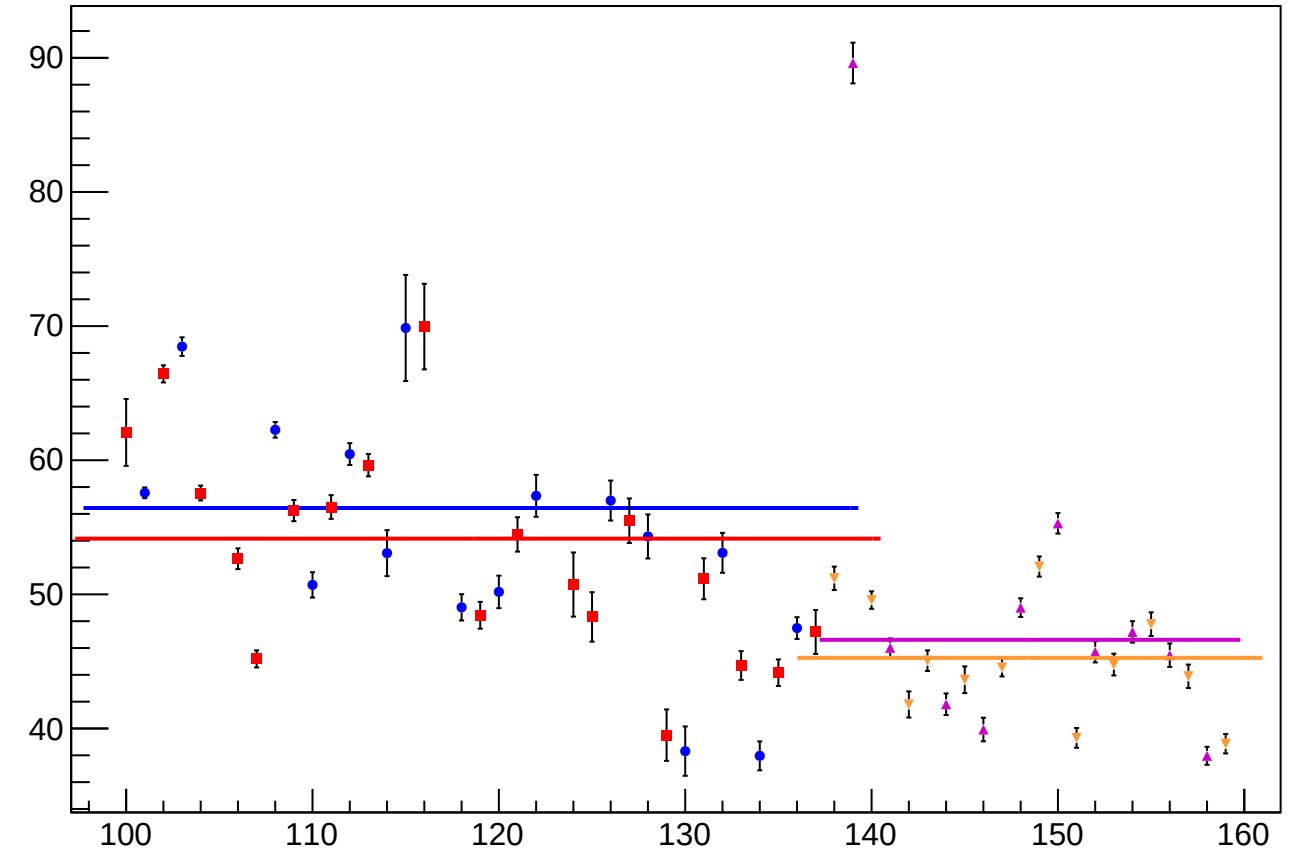
Left: 22.592+/-0.237 χ^2/NDF: 476.0/21

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.501+/-0.183 χ^2/NDF:1247.6/25

Out: 16.268+/-0.172 χ^2/NDF:1125.2/30

All: 15.907+/-0.125 χ^2/NDF: 2382.0/56



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 45.267+/-0.228 χ^2/NDF:343.1/11

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 46.611+/-0.252 χ^2/NDF:1207.6/9

Left: 45.872+/-0.169 χ^2/NDF: 1566.4/21

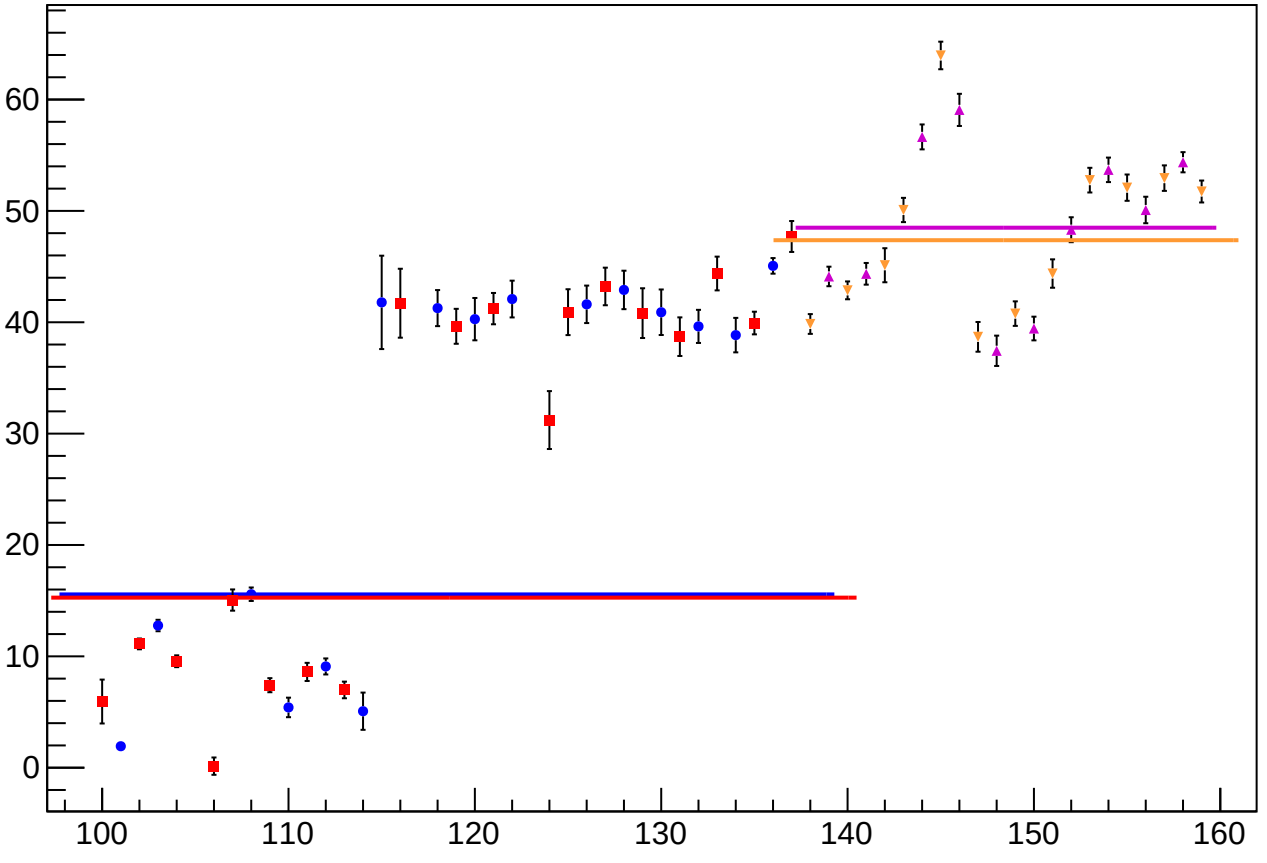
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 52.141+/-0.166 χ^2/NDF:3153.9/25

Out: 49.772+/-0.160 χ^2/NDF:2122.8/30

All: 50.909+/-0.115 χ^2/NDF: 5382.1/56

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 47.368+/-0.315 χ^2/NDF:457.8/11

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 48.491+/-0.341 χ^2/NDF:354.2/9

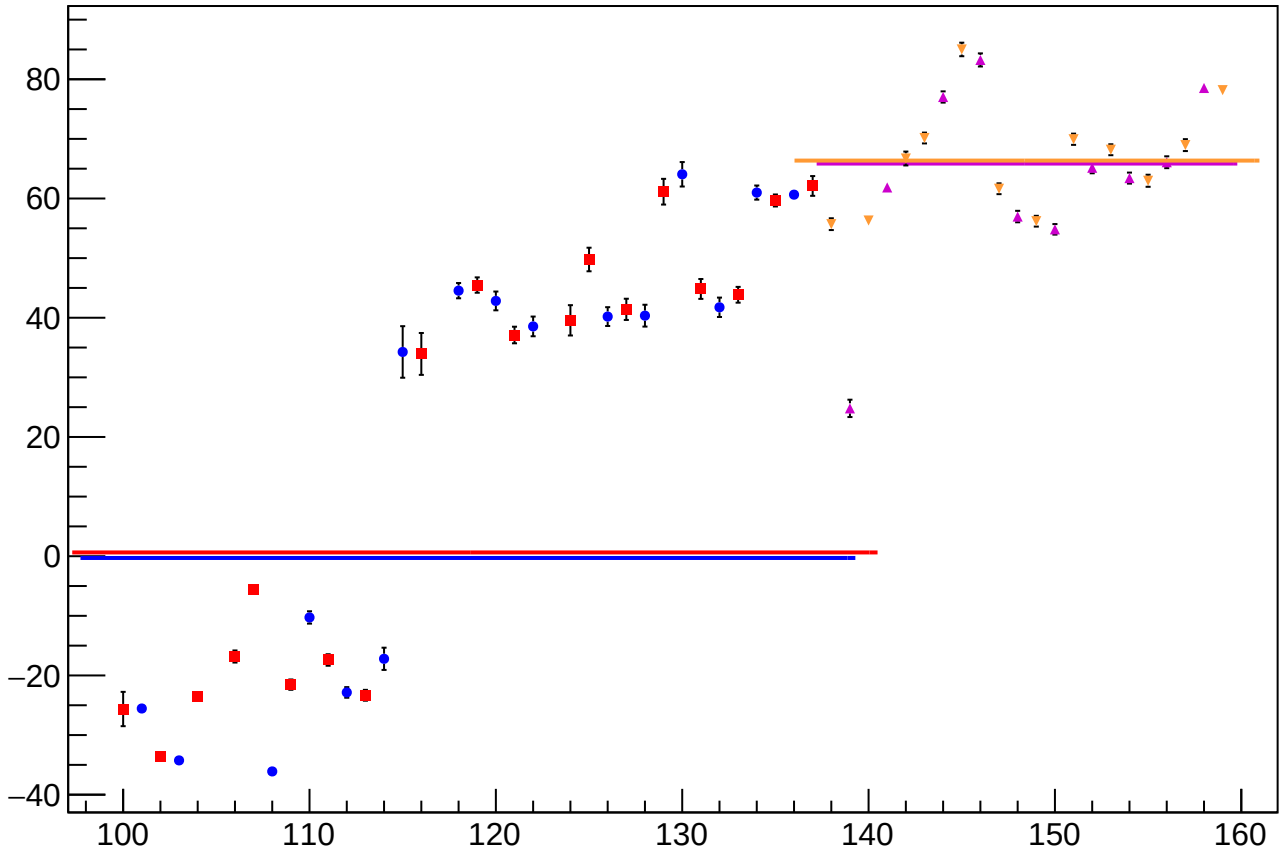
Left: 47.885+/-0.231 χ^2/NDF: 817.9/21

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 24.866+/-0.181 χ^2/NDF:12221.8/25

Out: 25.736+/-0.180 χ^2/NDF:11324.9/30

All: 25.304+/-0.128 χ^2/NDF: 23558.3/56



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 66.360+/-0.269 χ^2/NDF:1000.9/11

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 65.863+/-0.294 χ^2/NDF:1781.9/9

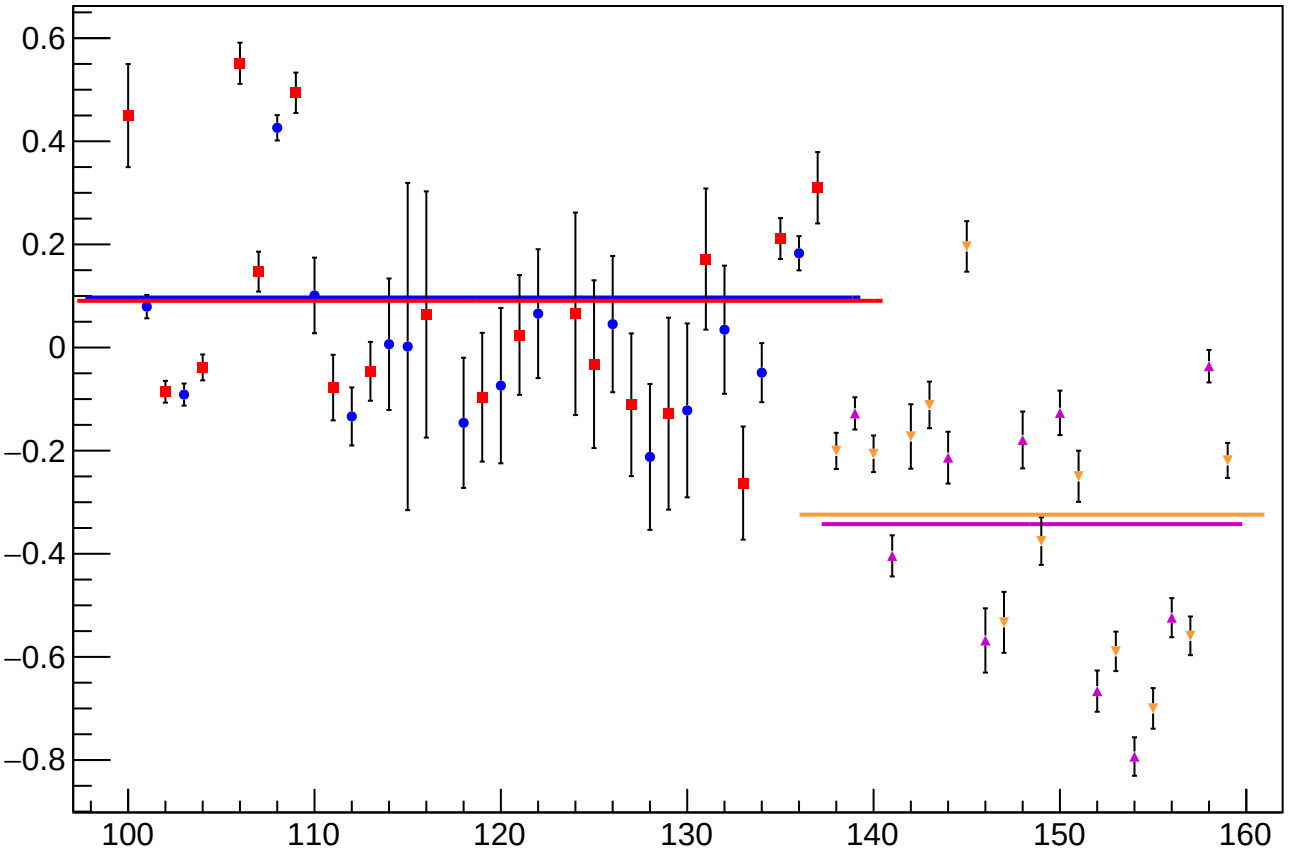
Left: 66.133+/-0.198 χ^2/NDF: 2784.3/21

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 28.953+/-0.195 χ^2/NDF:51132.5/25

Out: 32.866+/-0.188 χ^2/NDF:47516.3/30

All: 30.981+/-0.135 χ^2/NDF: 98857.0/56



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.324+/-0.012 χ^2/NDF:368.1/11

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.342+/-0.013 χ^2/NDF:431.6/9

Left: -0.333+/-0.009 χ^2/NDF: 800.8/21

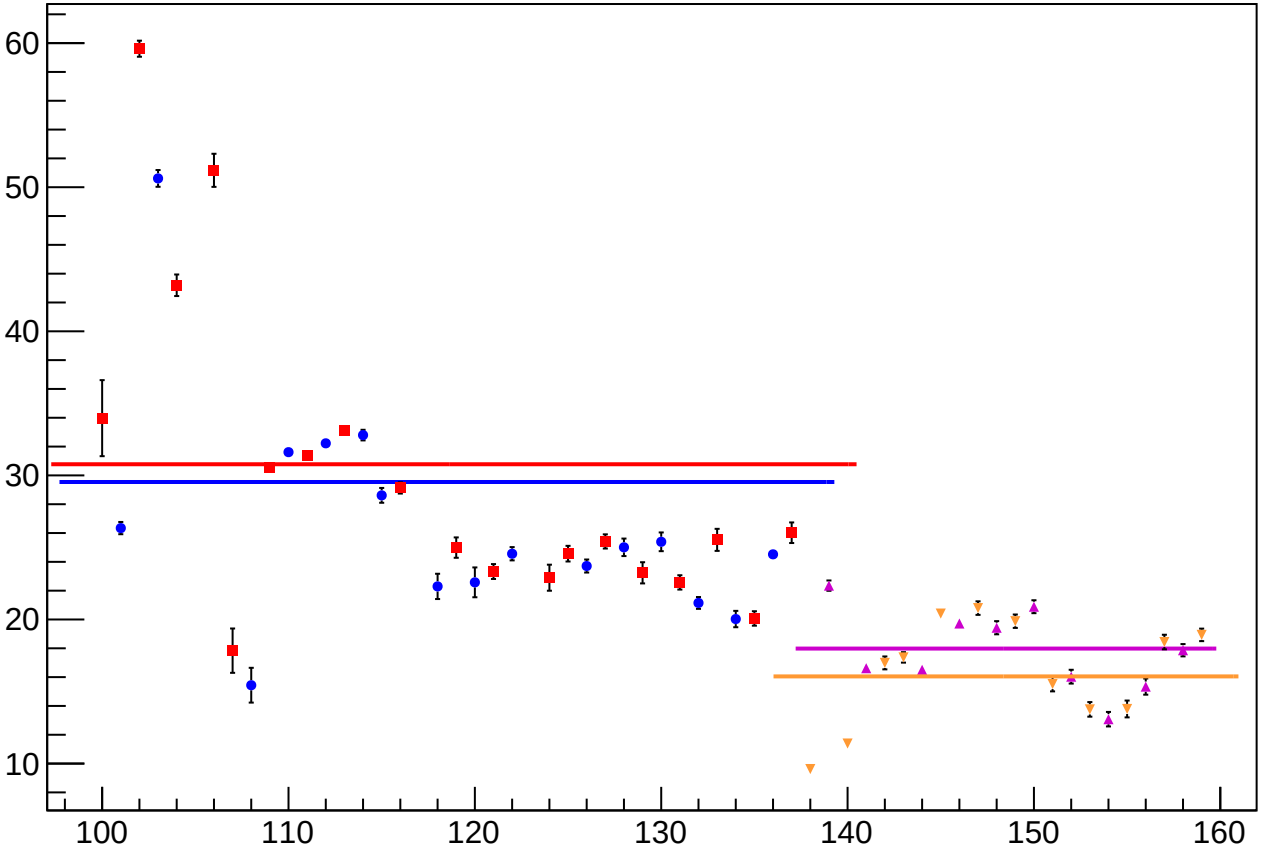
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.096+/-0.008 χ^2/NDF:1404.5/25

Out: -0.104+/-0.008 χ^2/NDF:1390.3/30

All: -0.100+/-0.006 χ^2/NDF: 2795.3/56

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 16.050+/-0.114 χ^2/NDF:1211.1/11

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 17.981+/-0.123 χ^2/NDF:407.4/9

Left: 16.940+/-0.083 χ^2/NDF: 1751.6/21

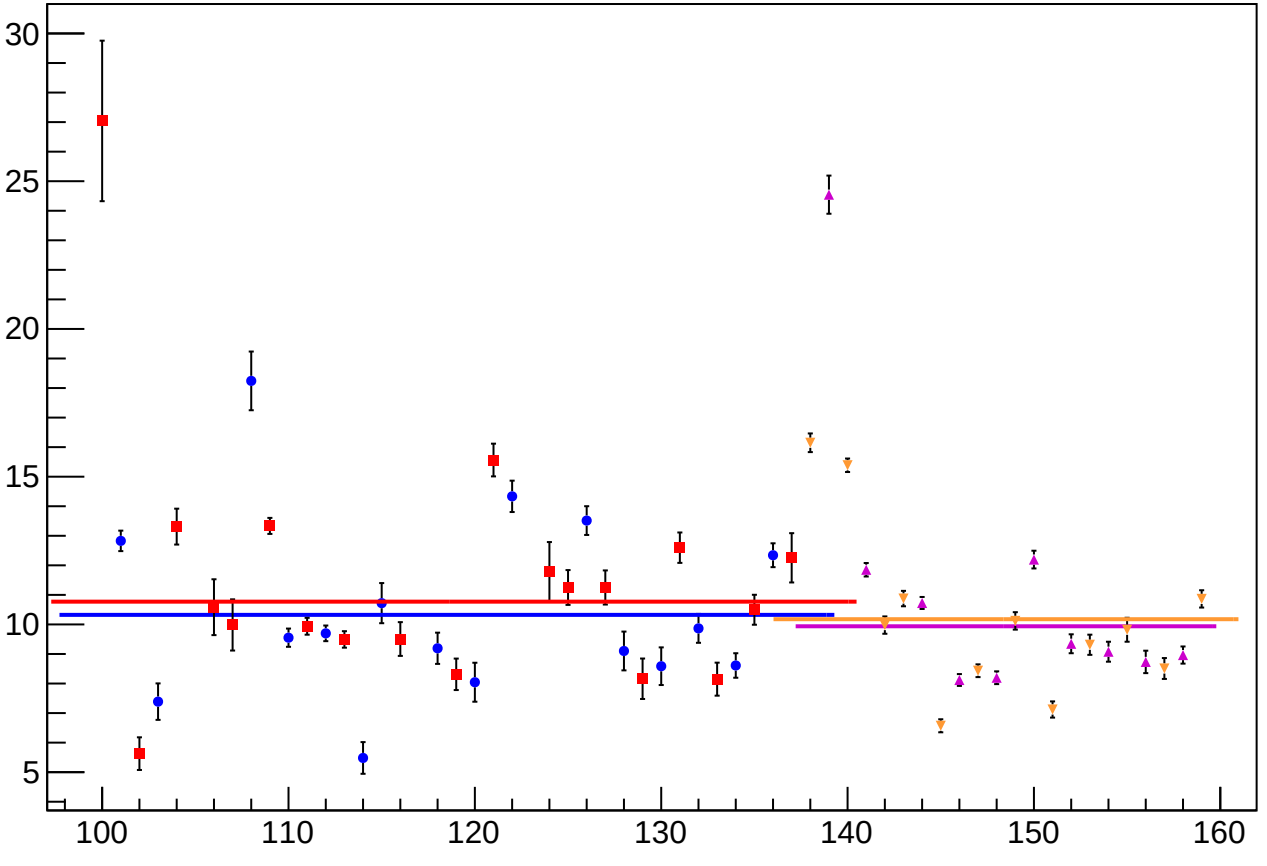
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 25.395+/-0.074 χ^2/NDF:9449.2/25

Out: 25.883+/-0.065 χ^2/NDF:17500.2/30

All: 25.667+/-0.049 χ^2/NDF: 26973.9/56

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.177+/-0.080 χ^2/NDF:1377.6/11

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 9.938+/-0.084 χ^2/NDF:832.7/9

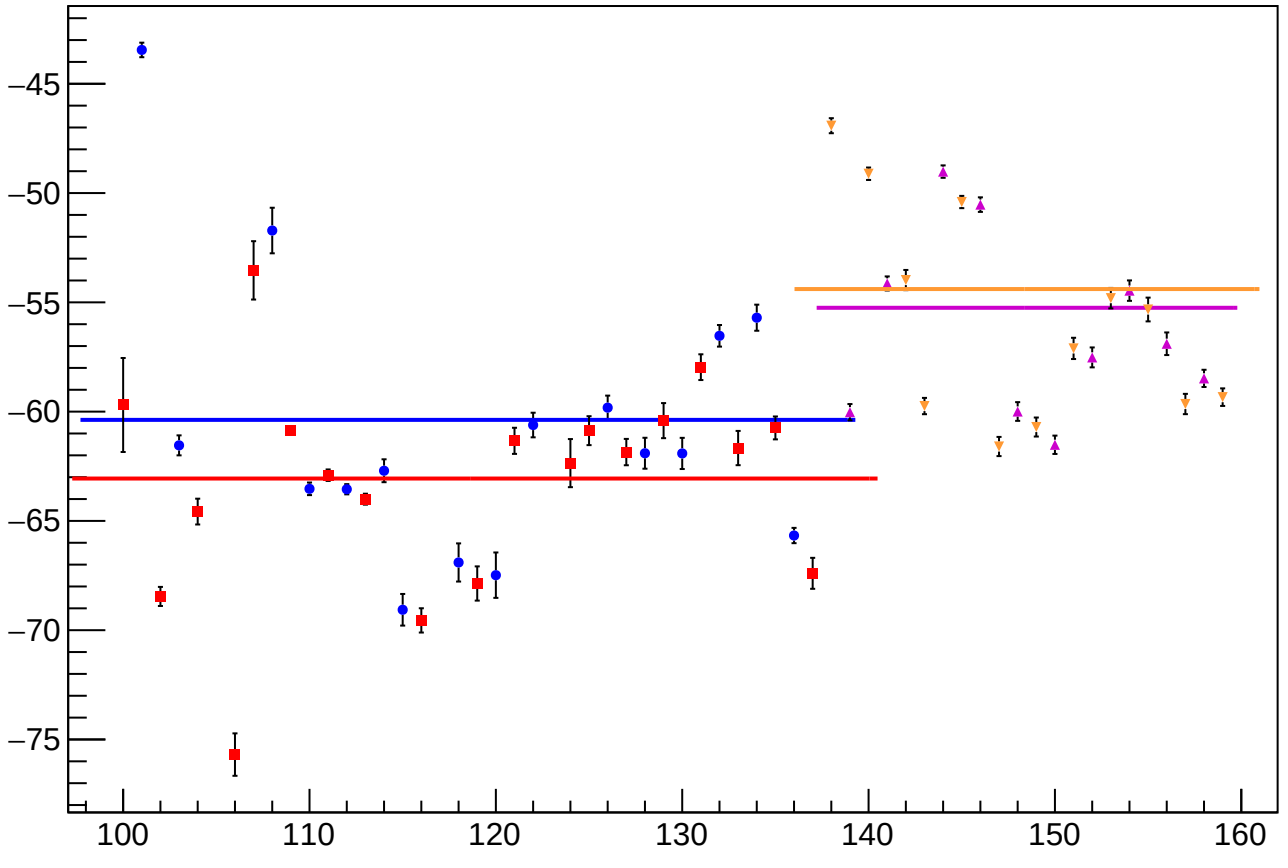
Left: 10.064+/-0.058 χ^2/NDF: 2214.5/21

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.074+/-0.068 χ^2/NDF:1242.7/25

Out: 10.375+/-0.065 χ^2/NDF:1811.8/30

All: 10.231+/-0.047 χ^2/NDF: 3064.8/56



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -54.392+/-0.113 χ^2/NDF:2019.1/11

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -55.249+/-0.120 χ^2/NDF:1308.7/9

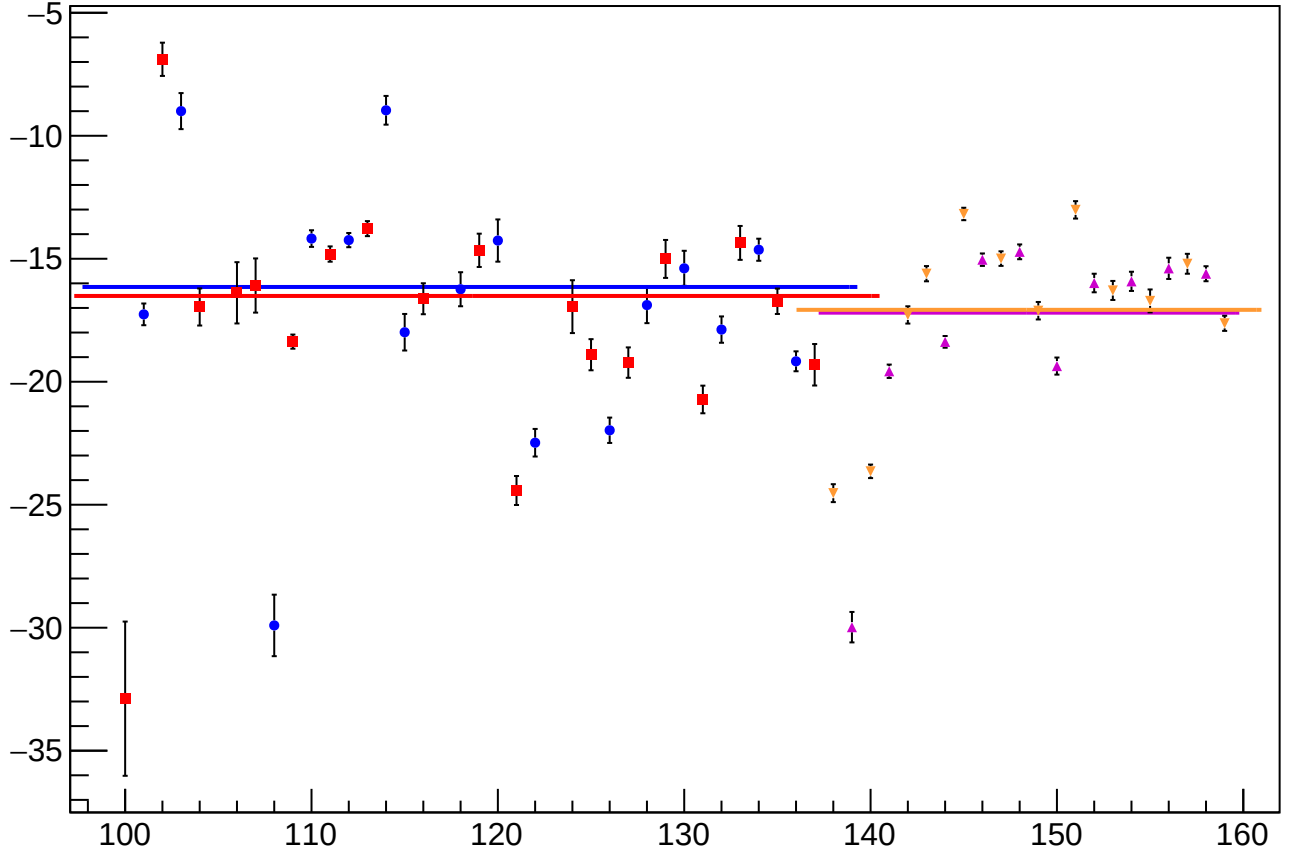
Left: -54.792+/-0.082 χ^2/NDF: 3354.8/21

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.976+/-0.082 χ^2/NDF:5870.7/25

Out: -58.938+/-0.078 χ^2/NDF:5971.2/30

All: -58.485+/-0.057 χ^2/NDF: 11914.0/56



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.077+/-0.095 χ^2/NDF:1459.8/11

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.192+/-0.101 χ^2/NDF:771.9/9

Left: -17.131+/-0.069 χ^2/NDF: 2232.4/21

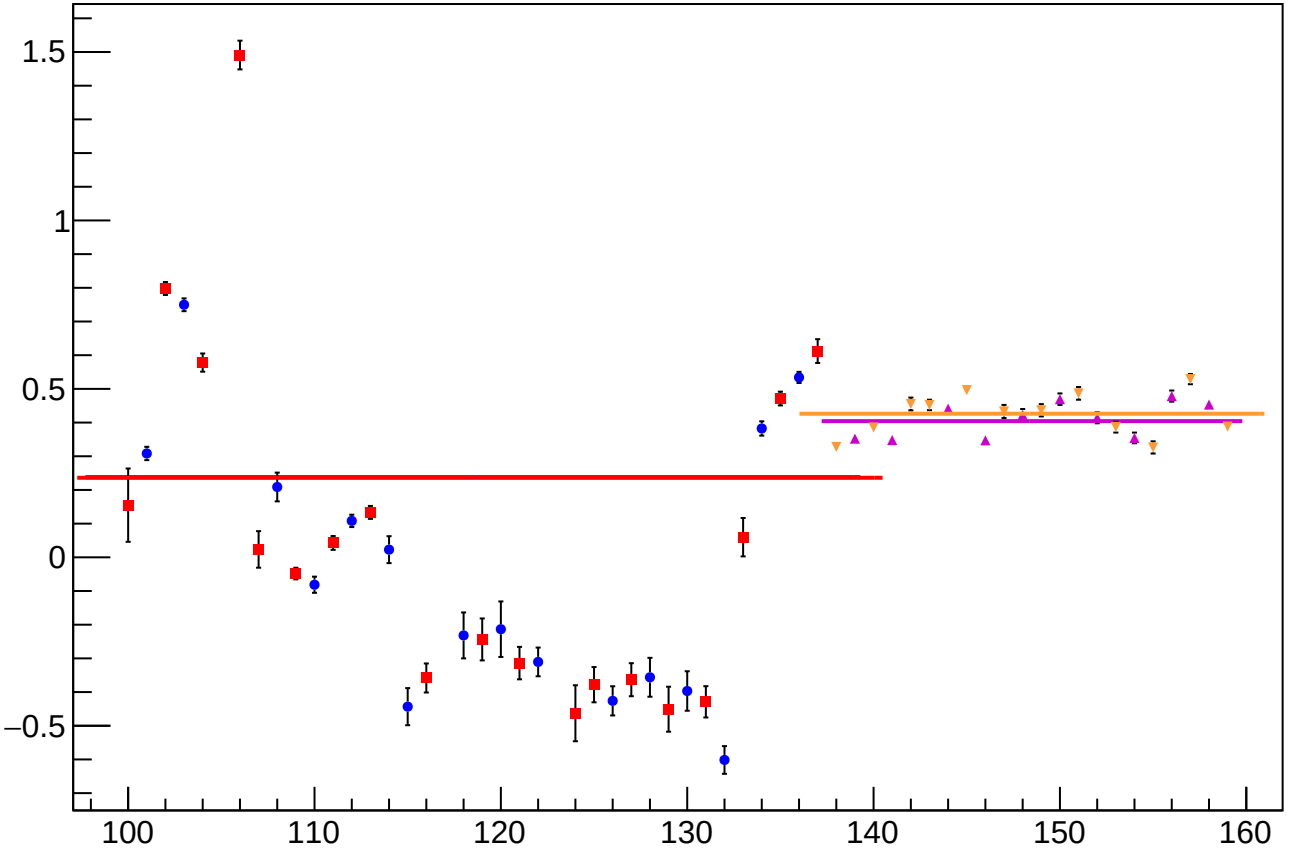
Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.788+/-0.079 χ^2/NDF:1610.4/25

Out: -16.868+/-0.076 χ^2/NDF:2157.4/30

All: -16.830+/-0.055 χ^2/NDF: 3768.4/56

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.426+/-0.004 χ^2/NDF:206.1/11

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.404+/-0.005 χ^2/NDF:116.9/9

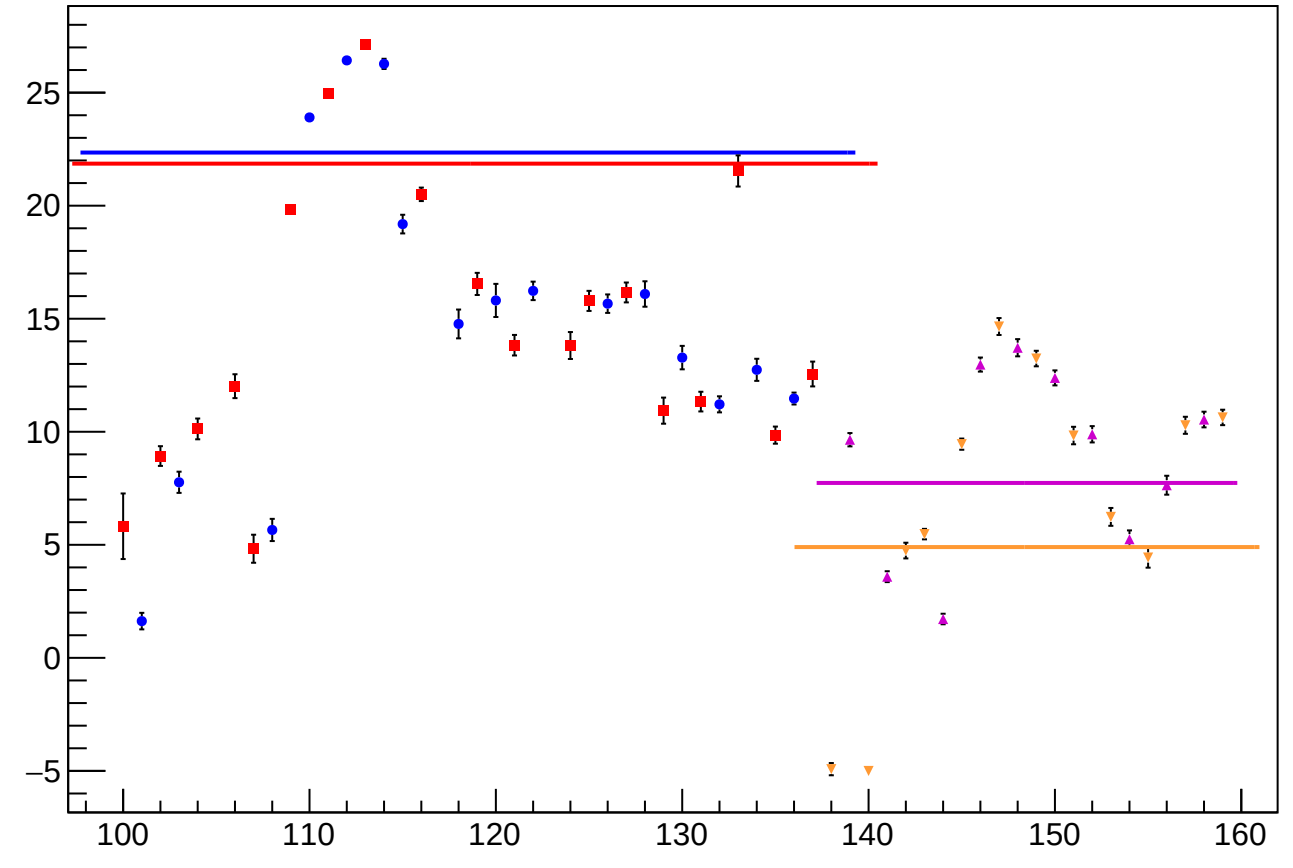
Left: 0.416+/-0.003 χ^2/NDF: 334.8/21

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.354+/-0.004 χ^2/NDF:3136.9/25

Out: 0.373+/-0.004 χ^2/NDF:4318.7/30

All: 0.364+/-0.003 χ^2/NDF: 7468.4/56



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.900+/-0.088 χ^2/NDF:5728.6/11

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 7.736+/-0.099 χ^2/NDF:1873.1/9

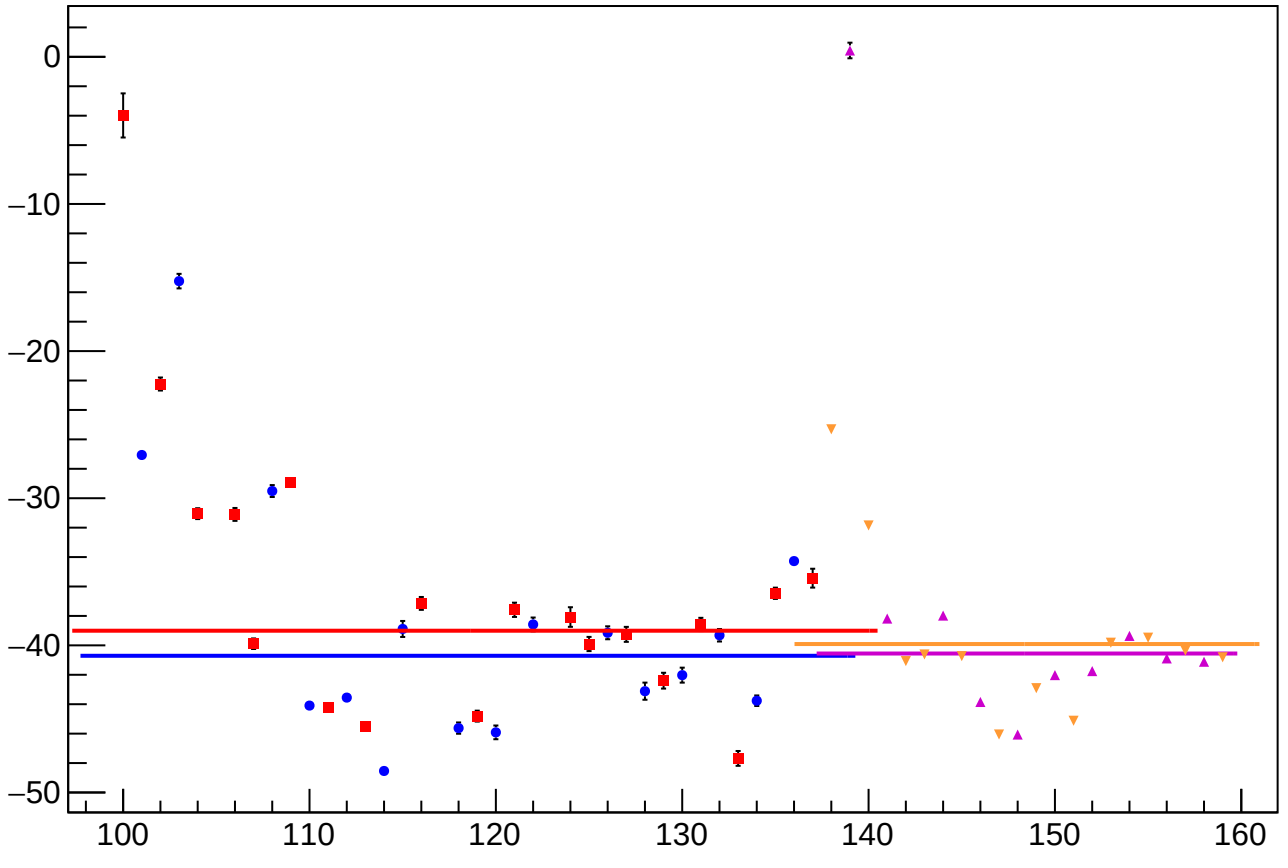
Left: 6.157+/-0.066 χ^2/NDF: 8057.9/21

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 18.760+/-0.049 χ^2/NDF:30612.5/25

Out: 18.211+/-0.041 χ^2/NDF:45295.8/30

All: 18.437+/-0.031 χ^2/NDF: 75981.8/56



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.911+/-0.062 χ^2/NDF:7330.2/11

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.555+/-0.069 χ^2/NDF:7704.5/9

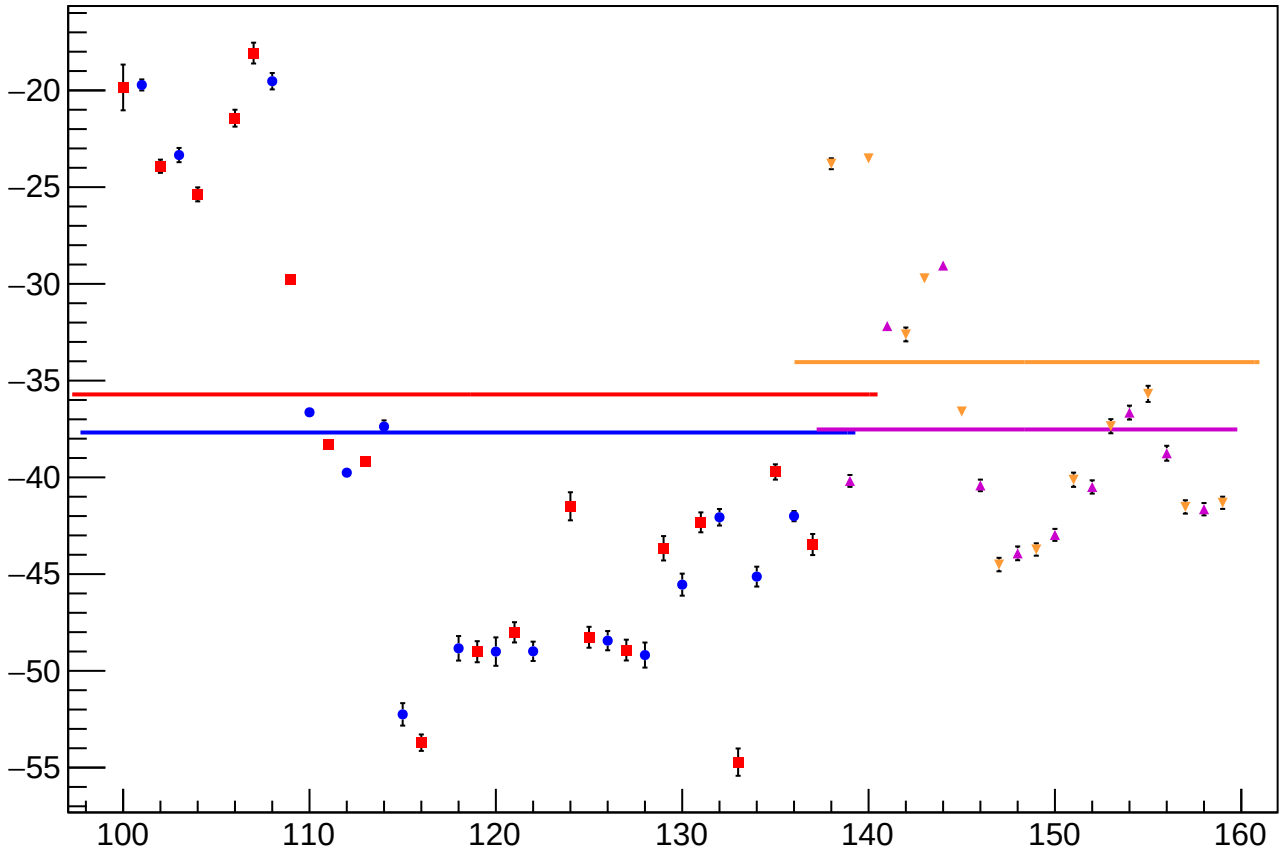
Left: -40.200+/-0.046 χ^2/NDF: 15083.1/21

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.624+/-0.051 χ^2/NDF:15487.1/25

Out: -39.519+/-0.047 χ^2/NDF:17523.7/30

All: -40.022+/-0.034 χ^2/NDF: 33265.4/56



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -34.044+/-0.087 χ^2/NDF:7222.9/11

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -37.524+/-0.097 χ^2/NDF:2770.1/9

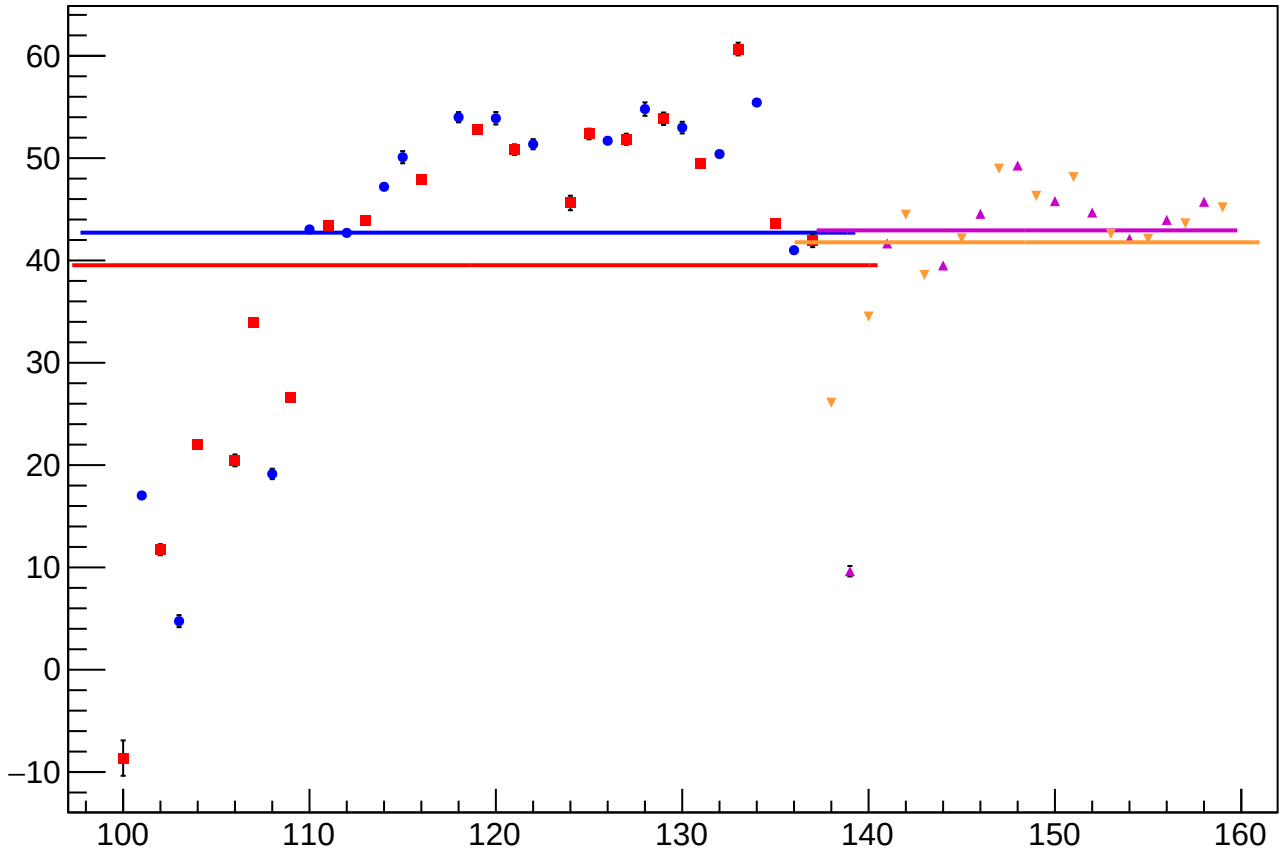
Left: -35.606+/-0.065 χ^2/NDF: 10703.2/21

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.623+/-0.059 χ^2/NDF:13625.7/25

Out: -35.128+/-0.052 χ^2/NDF:20733.7/30

All: -36.221+/-0.039 χ^2/NDF: 35375.4/56



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.777+/-0.074 χ^2/NDF:6251.2/11

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 42.939+/-0.082 χ^2/NDF:5602.2/9

Left: 42.301+/-0.055 χ^2/NDF: 11964.8/21

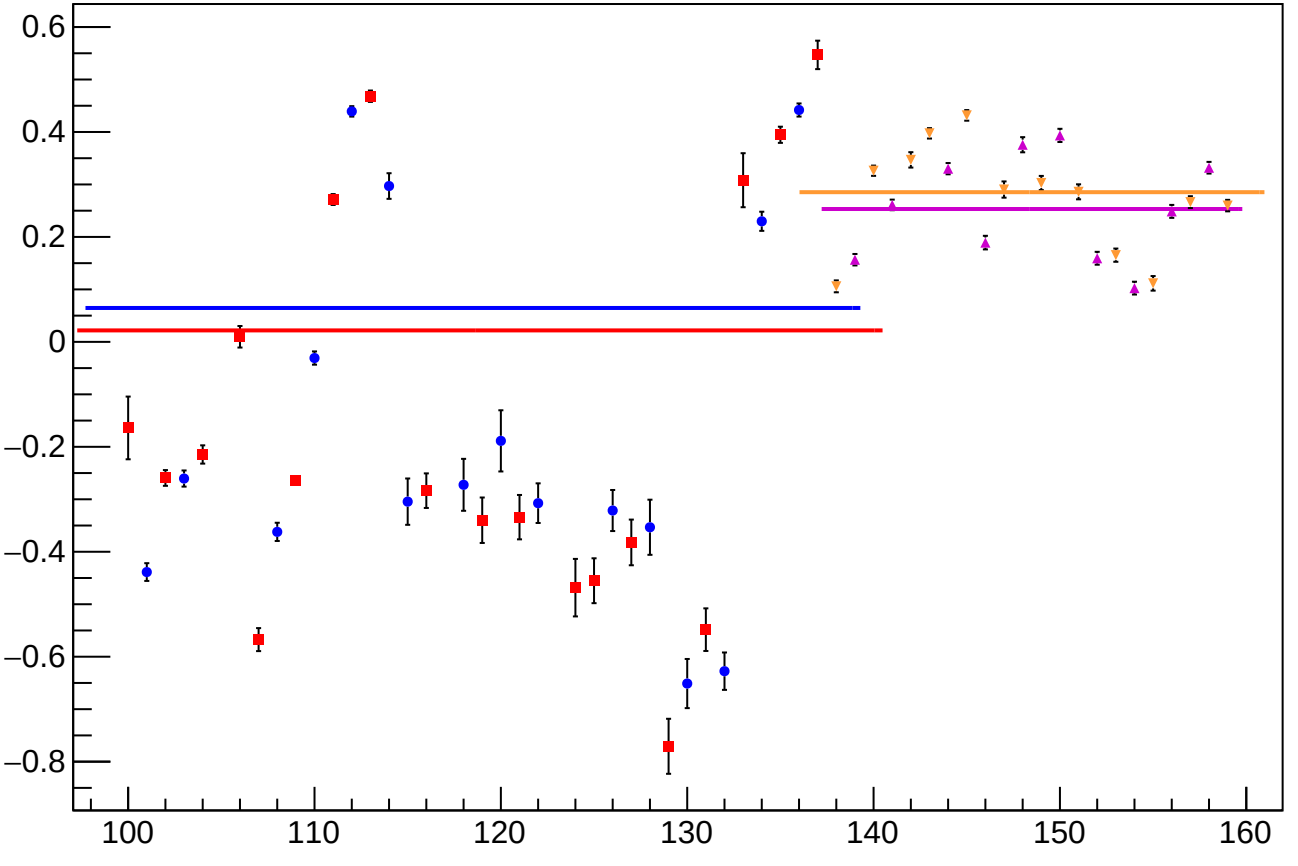
Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.833+/-0.059 χ^2/NDF:20370.7/25

Out: 40.718+/-0.054 χ^2/NDF:24664.7/30

All: 41.679+/-0.040 χ^2/NDF: 45739.7/56

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.285+/-0.003 χ^2/NDF:878.1/11

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.253+/-0.004 χ^2/NDF:611.2/9

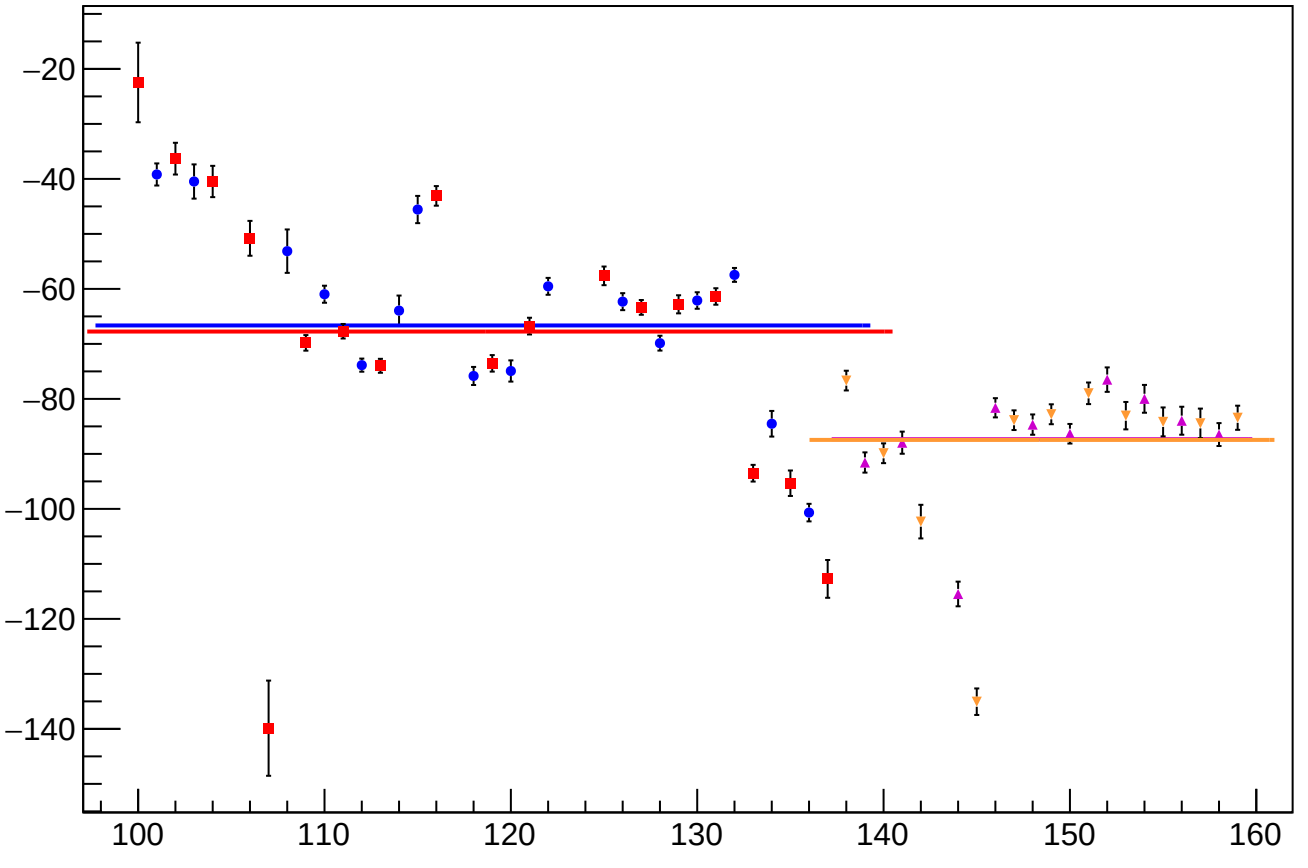
Left: 0.271+/-0.003 χ^2/NDF: 1529.4/21

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.183+/-0.003 χ^2/NDF:7061.1/25

Out: 0.185+/-0.003 χ^2/NDF:9520.7/30

All: 0.184+/-0.002 χ^2/NDF: 16582.1/56



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -87.457+/-0.642 χ^2/NDF:490.0/10

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -87.323+/-0.643 χ^2/NDF:209.9/9

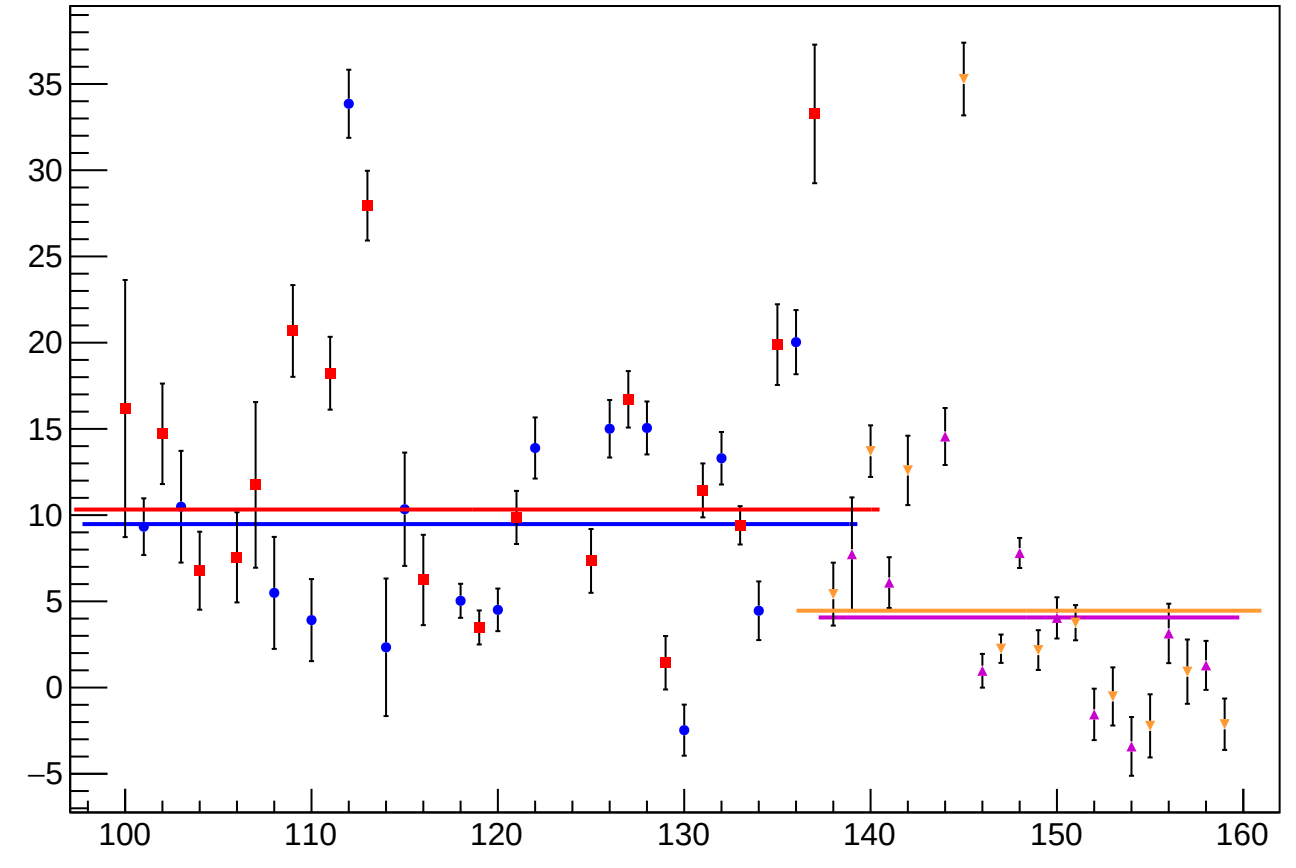
Left: -87.390+/-0.454 χ^2/NDF: 699.9/20

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -72.961+/-0.355 χ^2/NDF:1981.2/25

Out: -73.654+/-0.351 χ^2/NDF:2405.9/28

All: -73.312+/-0.250 χ^2/NDF: 4389.1/54



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 4.457+/-0.415 χ^2/NDF:325.5/10

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 4.066+/-0.422 χ^2/NDF:109.5/9

Left: 4.265+/-0.296 χ^2/NDF: 435.4/20

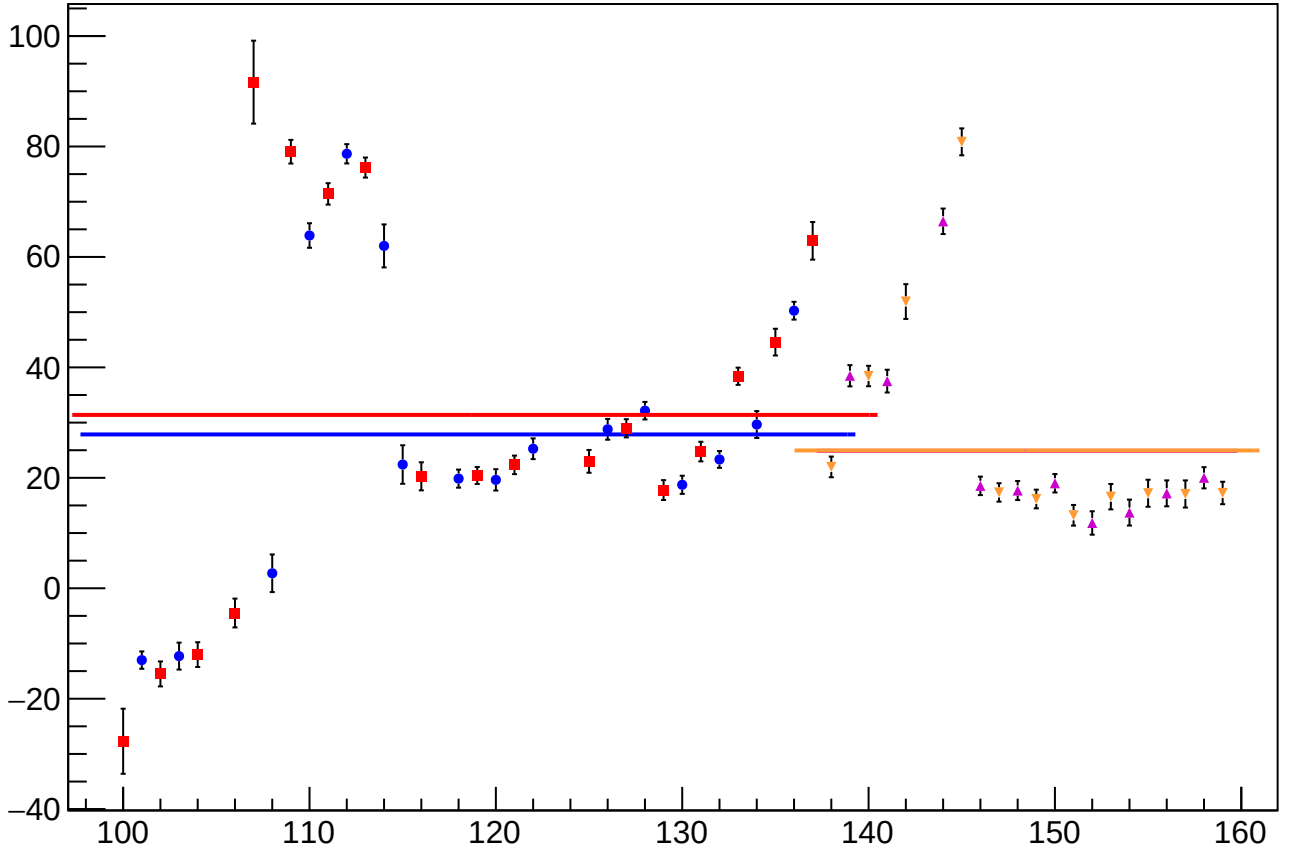
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 6.736+/-0.301 χ^2/NDF:532.5/25

Out: 7.251+/-0.301 χ^2/NDF:683.9/28

All: 6.993+/-0.213 χ^2/NDF: 1217.8/54

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 24.954+/-0.620 χ^2/NDF:788.5/10

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 24.889+/-0.620 χ^2/NDF:533.7/9

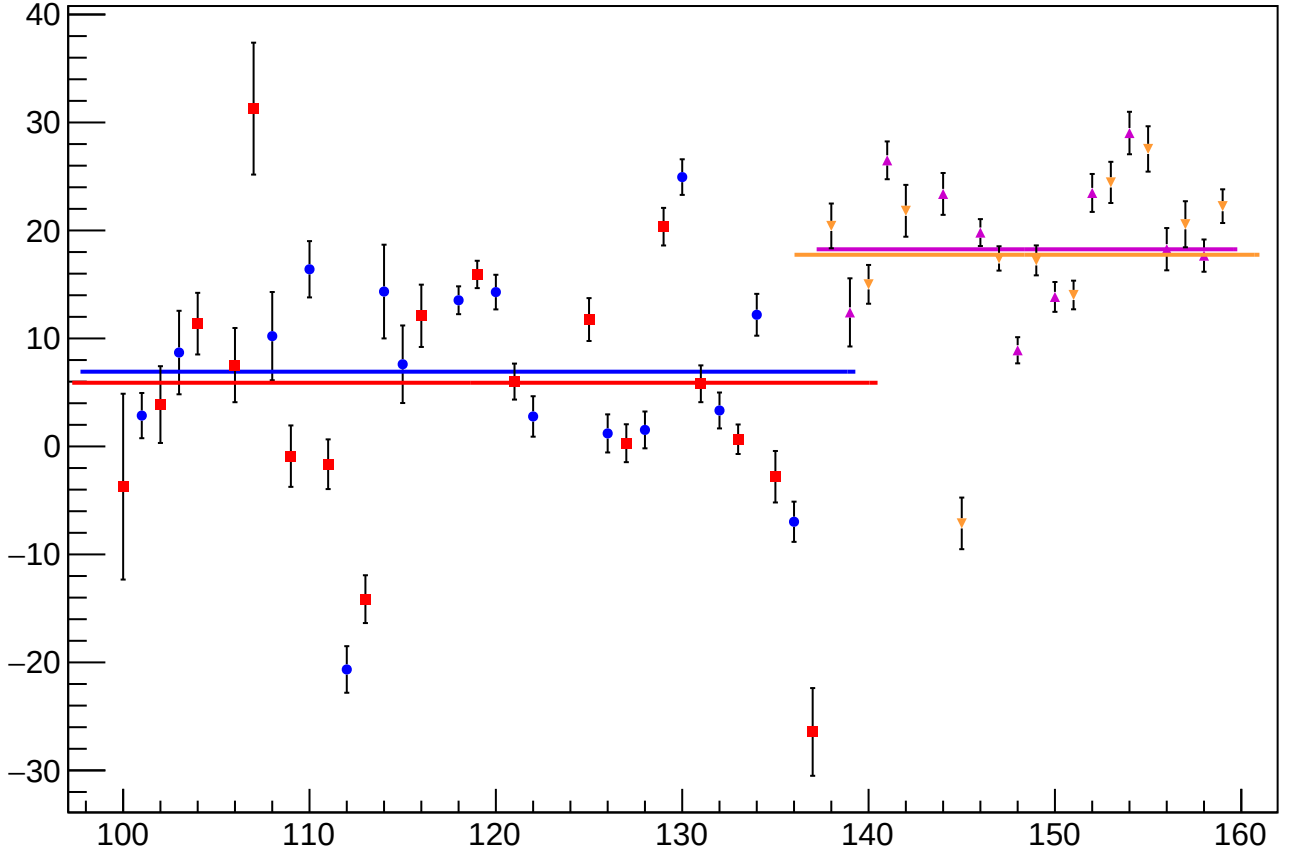
Left: 24.922+/-0.438 χ^2/NDF: 1322.2/20

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 26.739+/-0.381 χ^2/NDF:3022.0/25

Out: 28.931+/-0.383 χ^2/NDF:3866.6/28

All: 27.828+/-0.270 χ^2/NDF: 6905.1/54



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.750+/-0.507 χ^2/NDF:167.5/10

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.256+/-0.511 χ^2/NDF:142.8/9

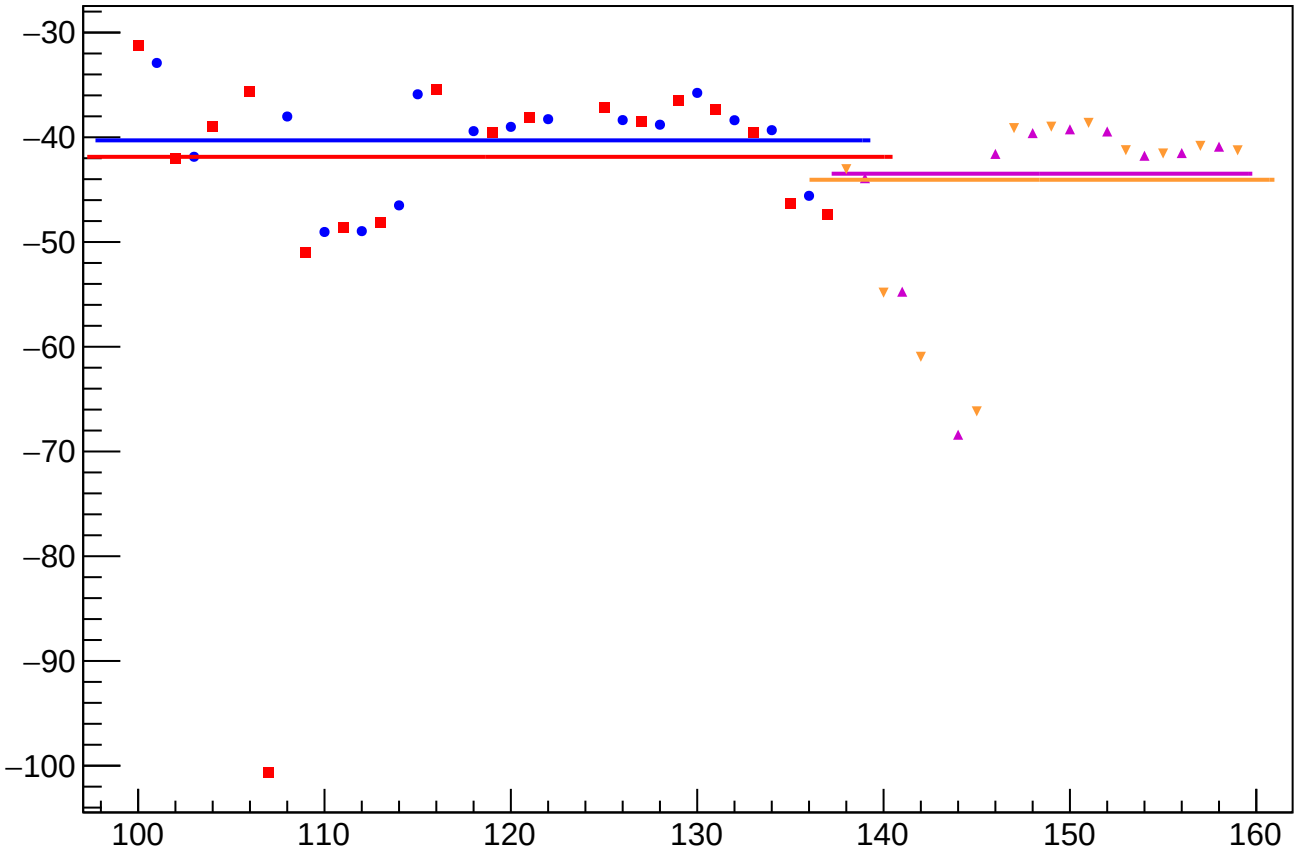
Left: 18.001+/-0.360 χ^2/NDF: 310.8/20

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 12.417+/-0.356 χ^2/NDF:840.7/25

Out: 11.767+/-0.356 χ^2/NDF:811.6/28

All: 12.092+/-0.252 χ^2/NDF: 1653.9/54



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -44.056+/-0.024 χ^2/NDF:107540.7/10

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -43.477+/-0.024 χ^2/NDF:88678.3/9

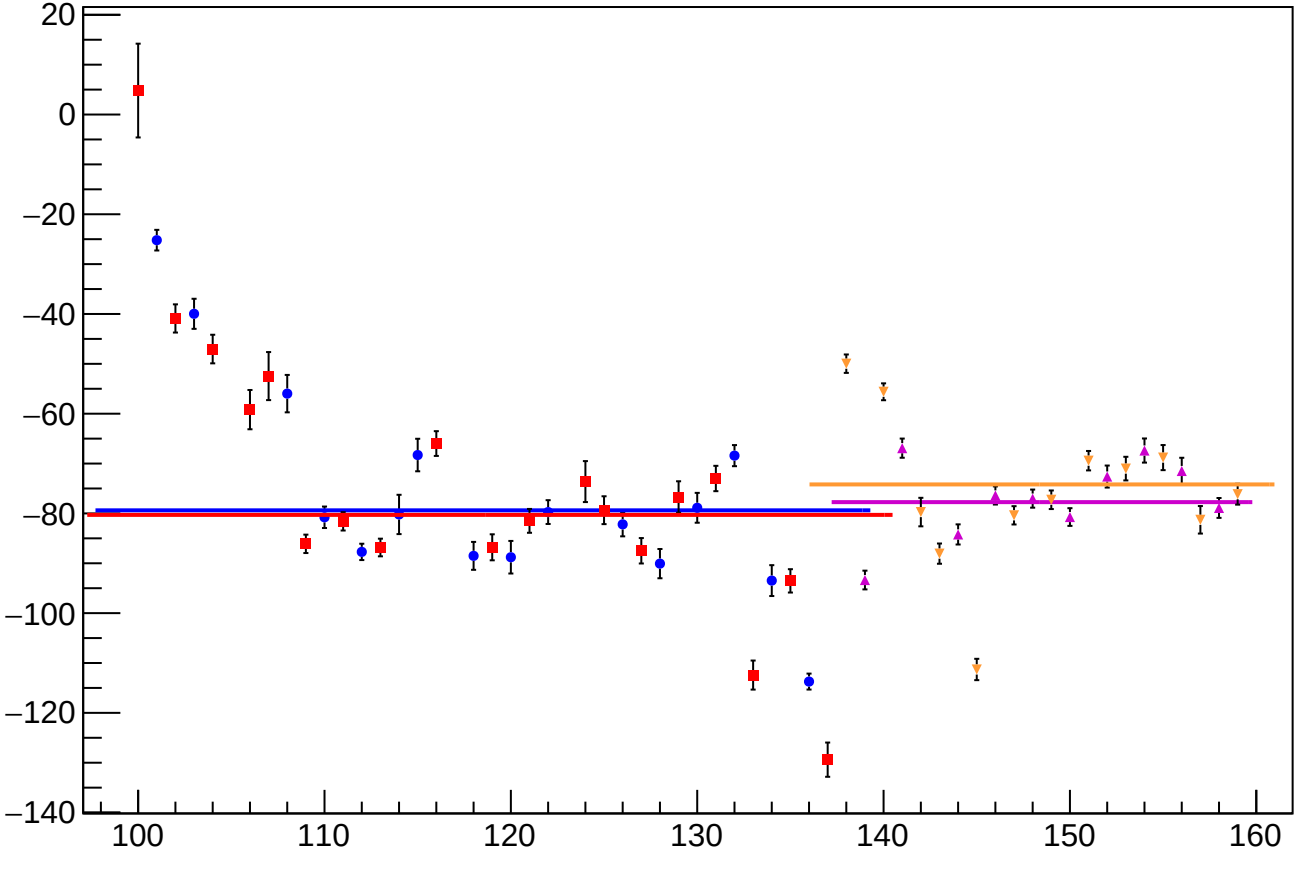
Left: -43.761+/-0.017 χ^2/NDF: 196513.8/20

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.329+/-0.019 χ^2/NDF:115917.5/25

Out: -43.269+/-0.019 χ^2/NDF:169251.4/28

All: -42.789+/-0.013 χ^2/NDF: 286383.8/54



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.186+/-0.601 χ^2/NDF:677.8/11

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -77.736+/-0.634 χ^2/NDF:144.2/9

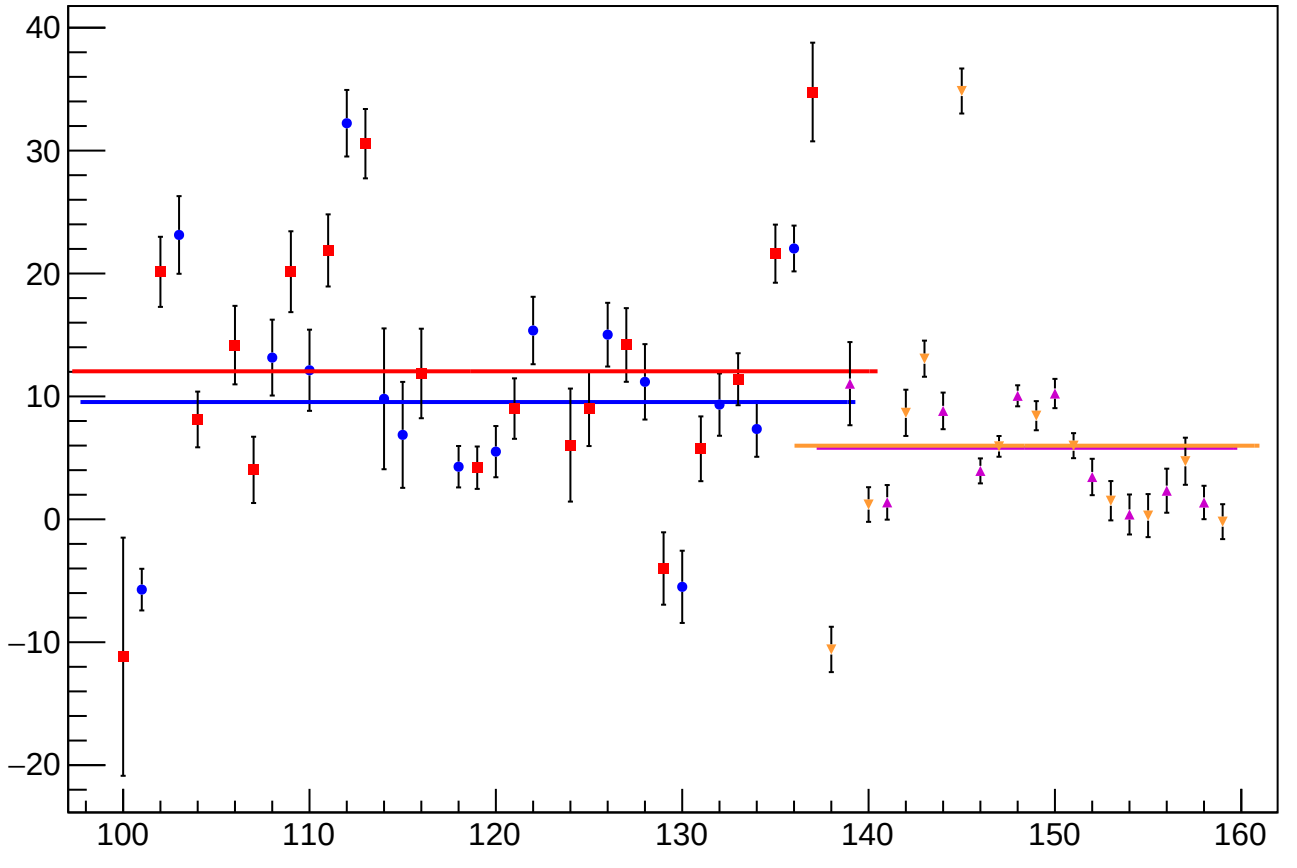
Left: -75.867+/-0.436 χ^2/NDF: 838.6/21

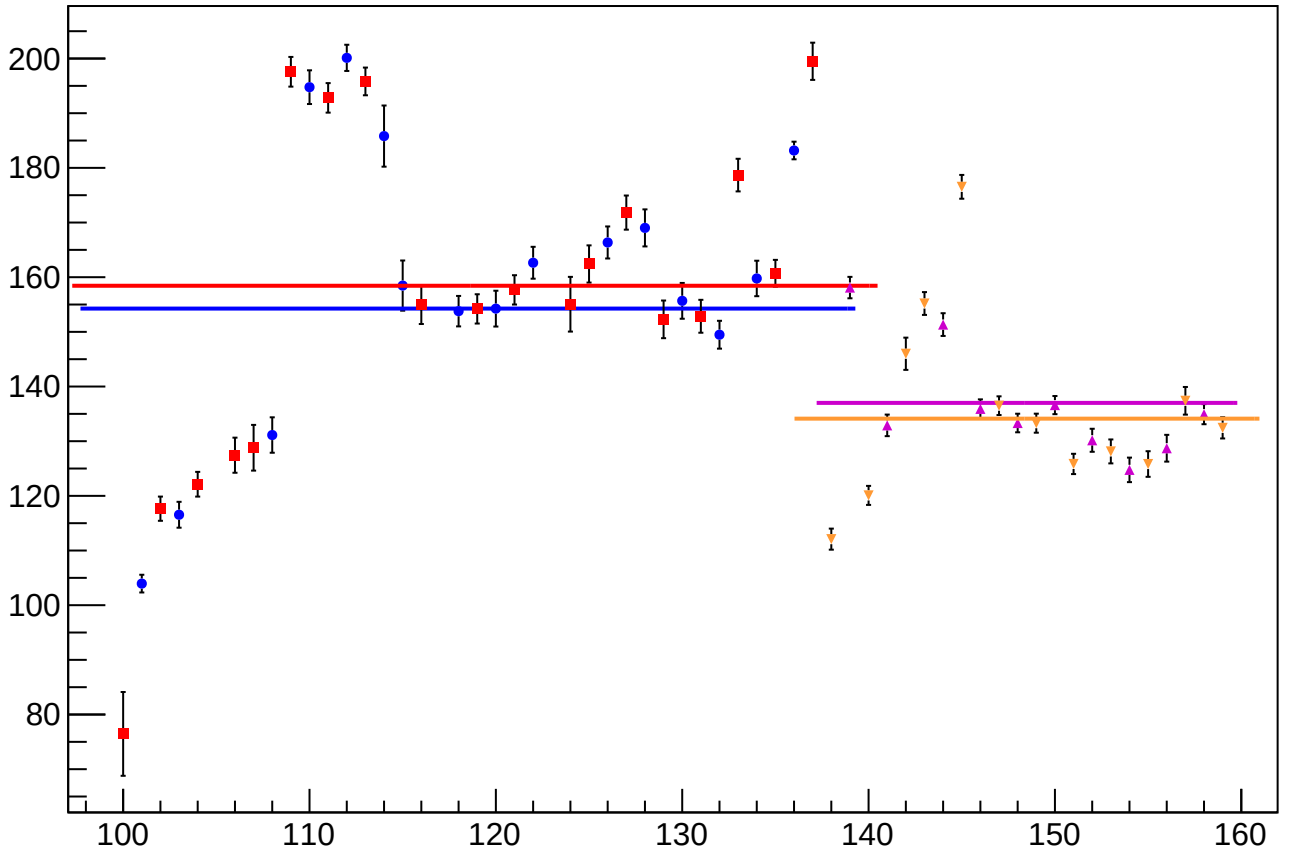
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -78.589+/-0.440 χ^2/NDF:1623.6/25

Out: -77.224+/-0.426 χ^2/NDF:1643.9/30

All: -77.884+/-0.306 χ^2/NDF: 3272.5/56


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 5.991+/-0.395 χ²/NDF:407.7/11
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 5.820+/-0.416 χ²/NDF:86.2/9
Left: 5.910+/-0.287 χ²/NDF: 493.9/21
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 6.974+/-0.346 χ²/NDF:378.0/25
Out: 7.673+/-0.336 χ²/NDF:668.7/30
All: 7.334+/-0.241 χ²/NDF: 1048.8/56



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.124+/-0.584 χ^2/NDF:737.8/11

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 137.006+/-0.611 χ^2/NDF:226.0/9

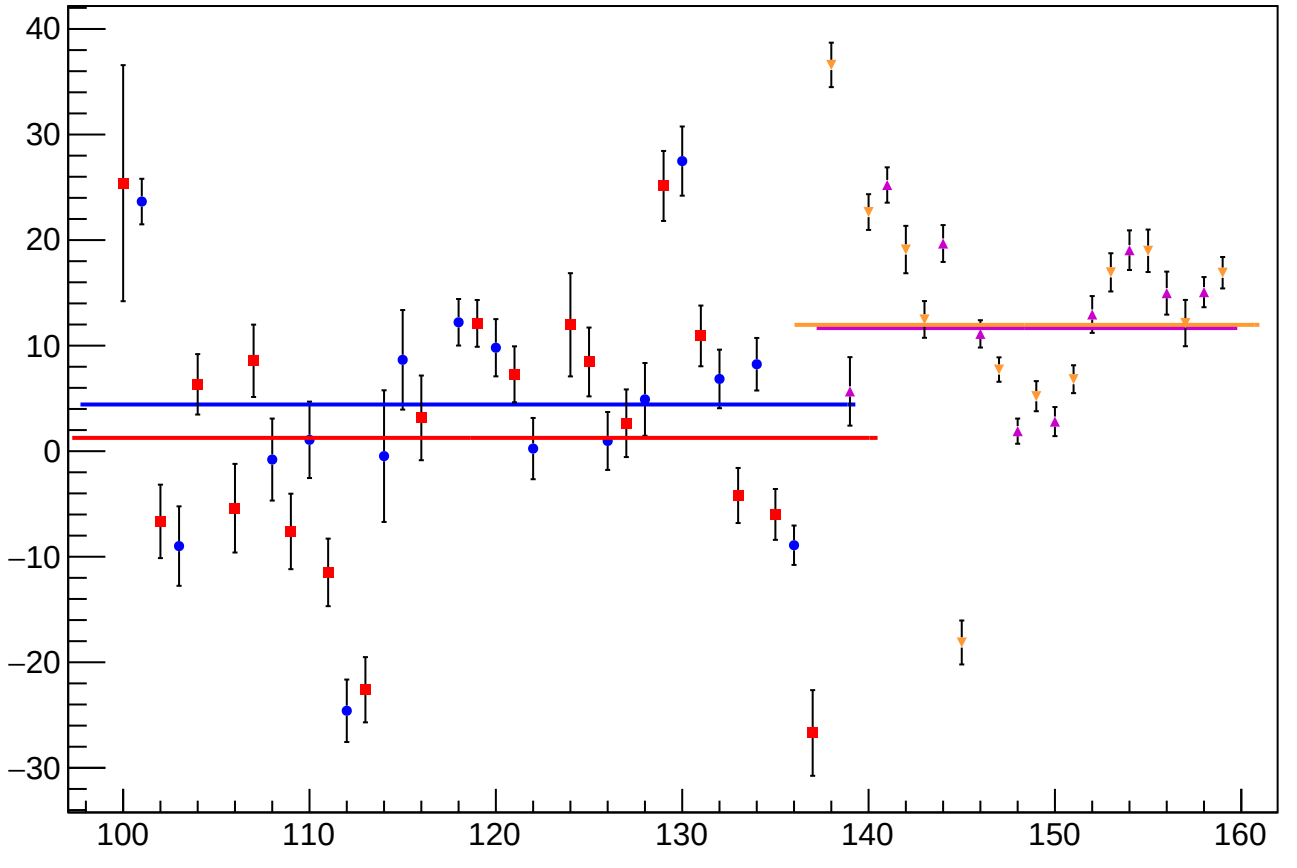
Left: 135.500+/-0.422 χ^2/NDF: 975.5/21

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 144.951+/-0.449 χ^2/NDF:2806.5/25

Out: 144.402+/-0.444 χ^2/NDF:3134.2/30

All: 144.673+/-0.316 χ^2/NDF: 5941.5/56



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 11.970+/-0.479 χ^2/NDF:477.4/11

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 11.664+/-0.503 χ^2/NDF:223.0/9

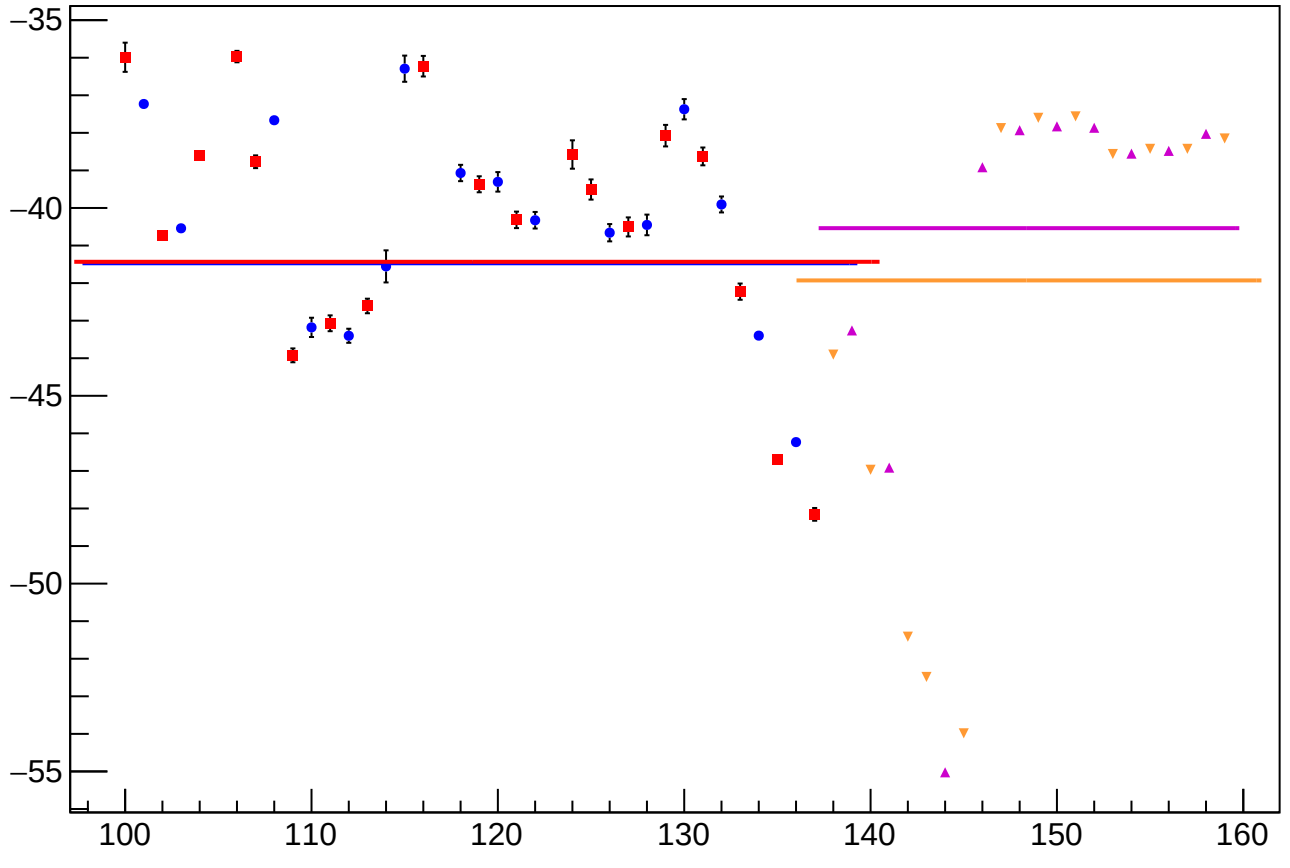
Left: 11.824+/-0.347 χ^2/NDF: 700.6/21

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 9.261+/-0.411 χ^2/NDF:607.8/25

Out: 8.756+/-0.401 χ^2/NDF:892.2/30

All: 9.002+/-0.287 χ^2/NDF: 1500.8/56



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.929+/-0.023 χ^2/NDF:64268.9/11

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -40.537+/-0.023 χ^2/NDF:39625.5/9

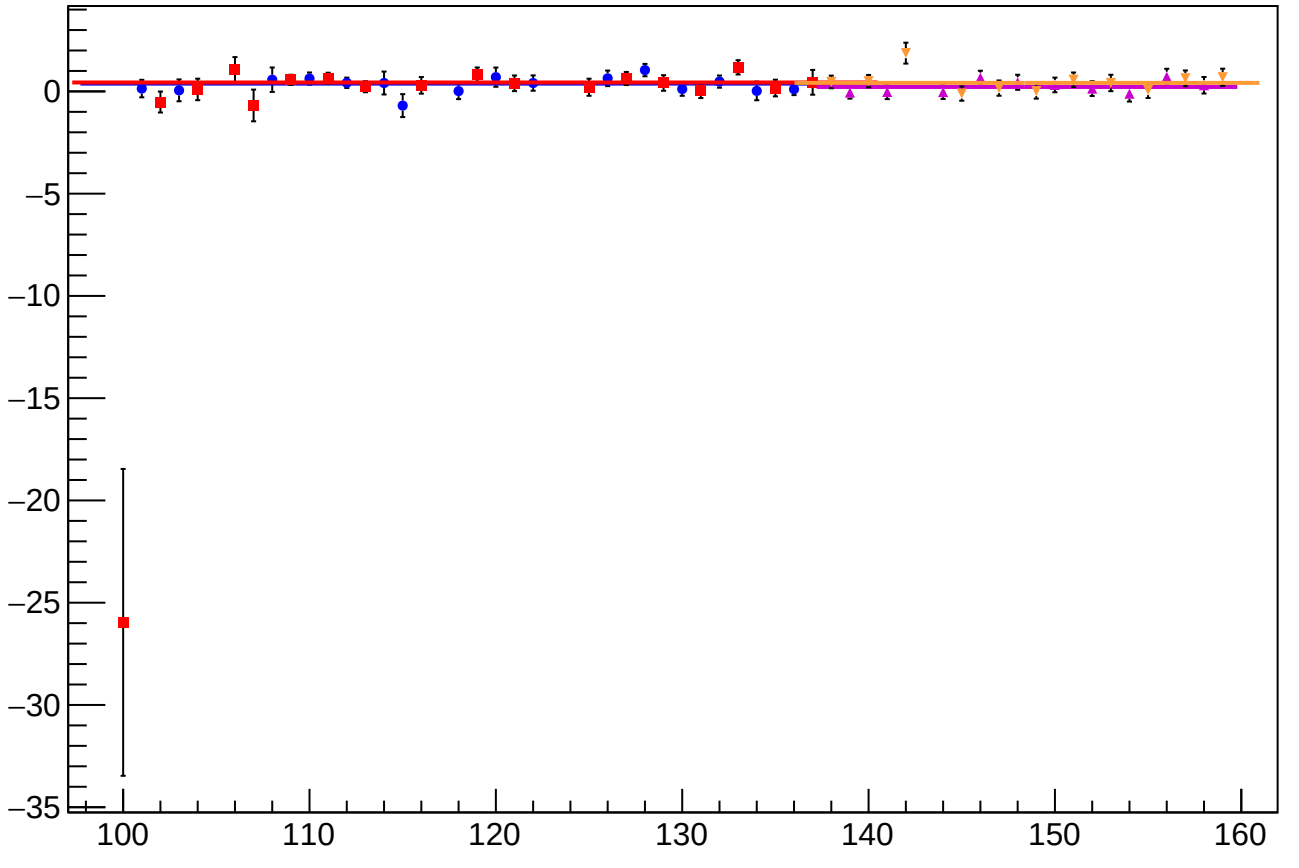
Left: -41.249+/-0.016 χ^2/NDF: 105715.4/21

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.792+/-0.020 χ^2/NDF:47975.0/25

Out: -41.805+/-0.020 χ^2/NDF:72612.5/30

All: -41.302+/-0.014 χ^2/NDF: 121894.4/56



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.417+/-0.111 χ^2/NDF:13.8/10

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.217+/-0.113 χ^2/NDF:6.5/9

Left: 0.318+/-0.079 χ^2/NDF: 21.9/20

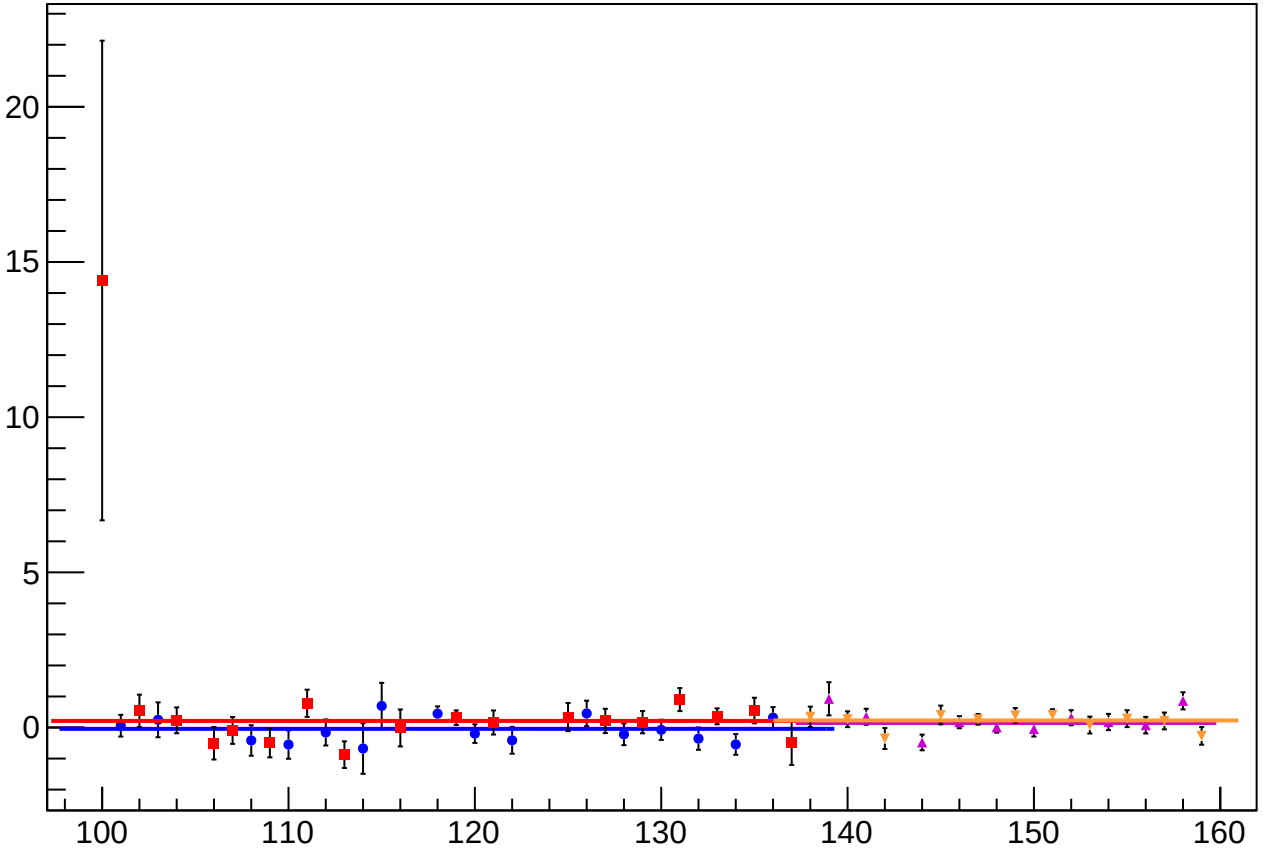
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.316+/-0.071 χ^2/NDF:21.8/25

Out: 0.428+/-0.070 χ^2/NDF:42.8/28

All: 0.373+/-0.050 χ^2/NDF: 65.9/54

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.229+/-0.075 χ^2/NDF:8.3/10

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.148+/-0.077 χ^2/NDF:17.5/9

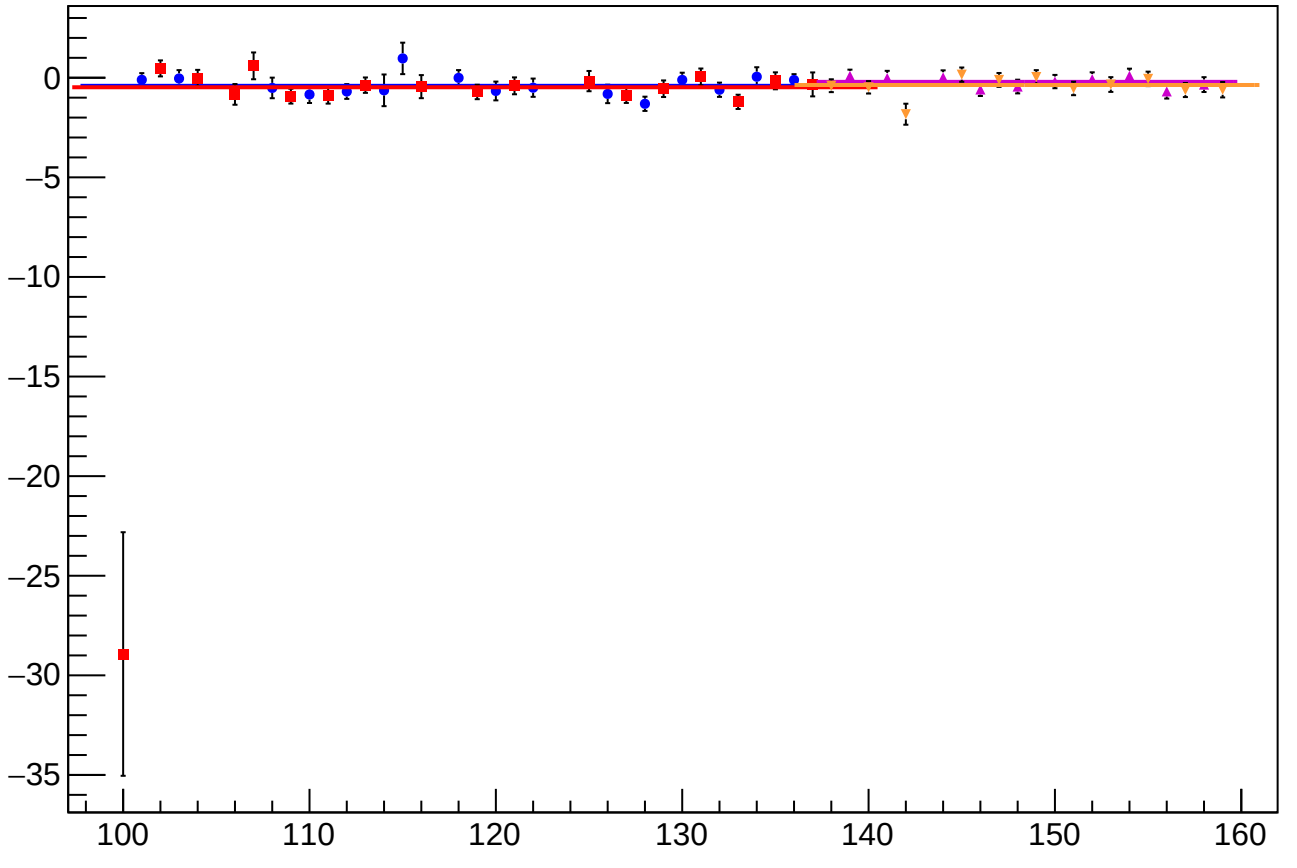
Left: 0.189+/-0.054 χ^2/NDF: 26.3/20

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.072+/-0.060 χ^2/NDF:35.0/25

Out: 0.223+/-0.059 χ^2/NDF:30.7/28

All: 0.148+/-0.042 χ^2/NDF: 68.9/54



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.364+/-0.108 χ^2/NDF:13.7/10

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.207+/-0.109 χ^2/NDF:6.3/9

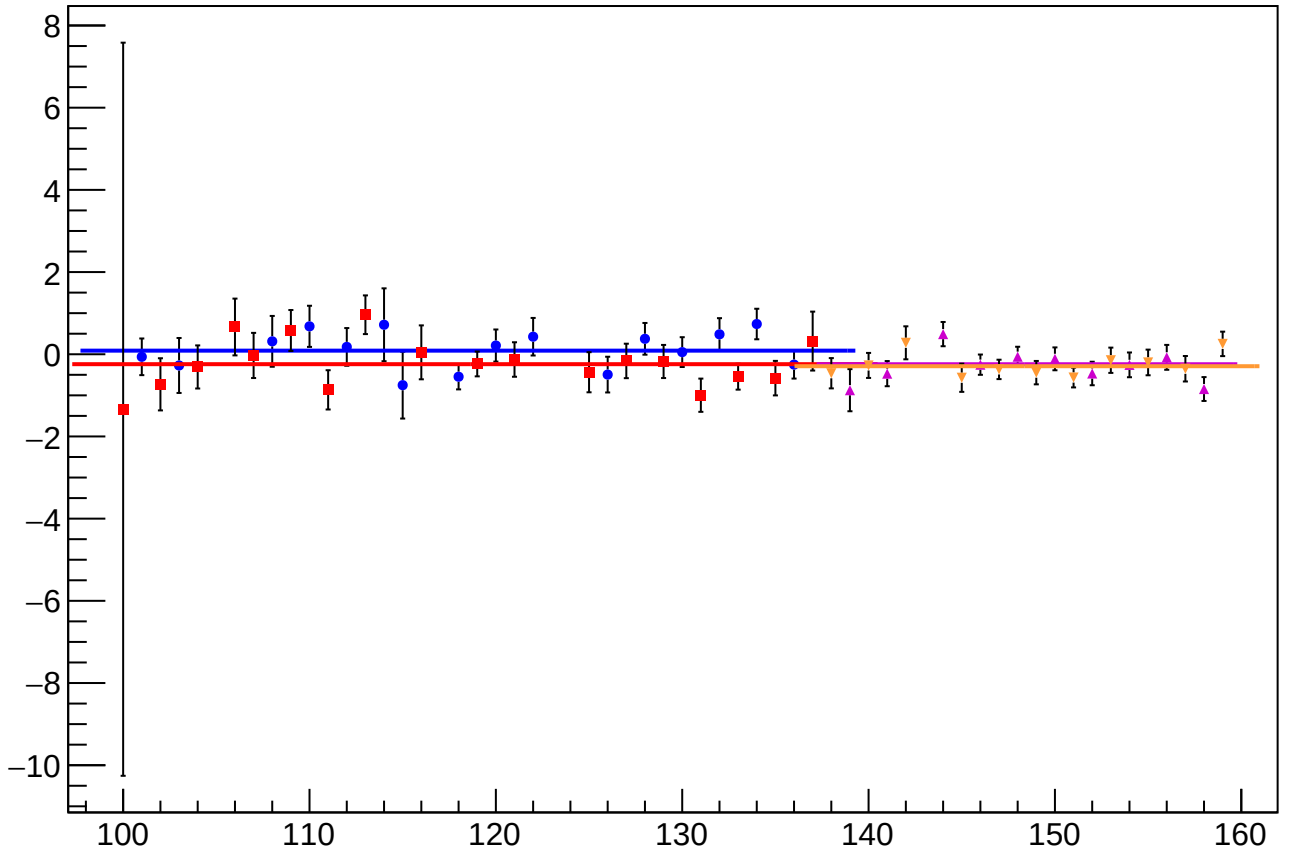
Left: -0.286+/-0.077 χ^2/NDF: 21.1/20

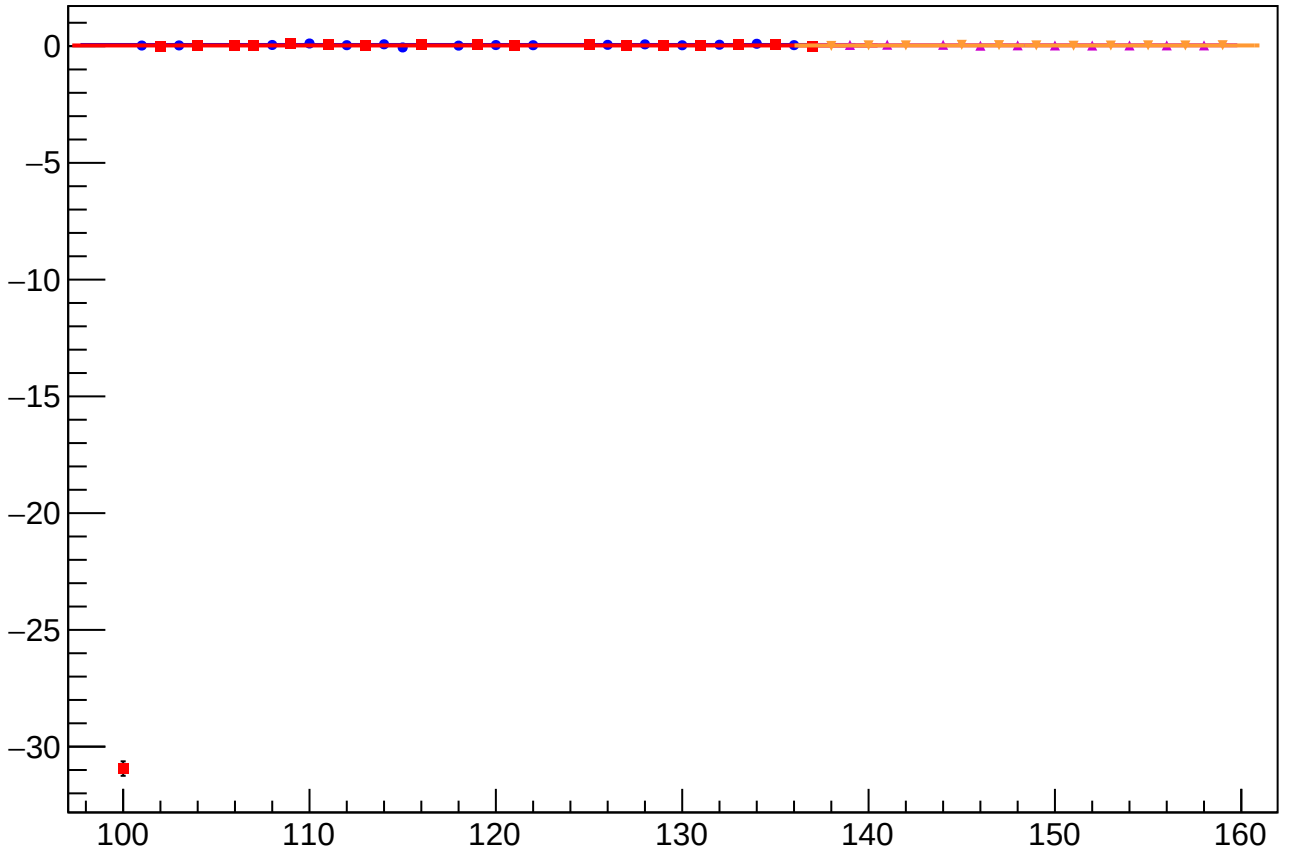
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.312+/-0.075 χ^2/NDF:25.8/25

Out: -0.423+/-0.075 χ^2/NDF:56.5/28

All: -0.367+/-0.053 χ^2/NDF: 83.5/54


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
Right In: 0.088+/-0.108 χ²/NDF: 15.9/15
Left Out: -0.291+/-0.090 χ²/NDF:8.3/10
Right Out: -0.241+/-0.110 χ²/NDF: 19.6/17
Left In: -0.243+/-0.092 χ²/NDF:14.3/9
Left: -0.267+/-0.064 χ²/NDF: 22.7/20
Right: -0.075+/-0.077 χ²/NDF: 40.0/33
In: -0.104+/-0.070 χ²/NDF:35.6/25
Out: -0.271+/-0.070 χ²/NDF:28.0/28
All: -0.188+/-0.049 χ²/NDF: 66.5/54



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:8.3/10

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.037+/-0.004 χ^2/NDF:9.9/9

Left: 0.032+/-0.003 χ^2/NDF: 20.2/20

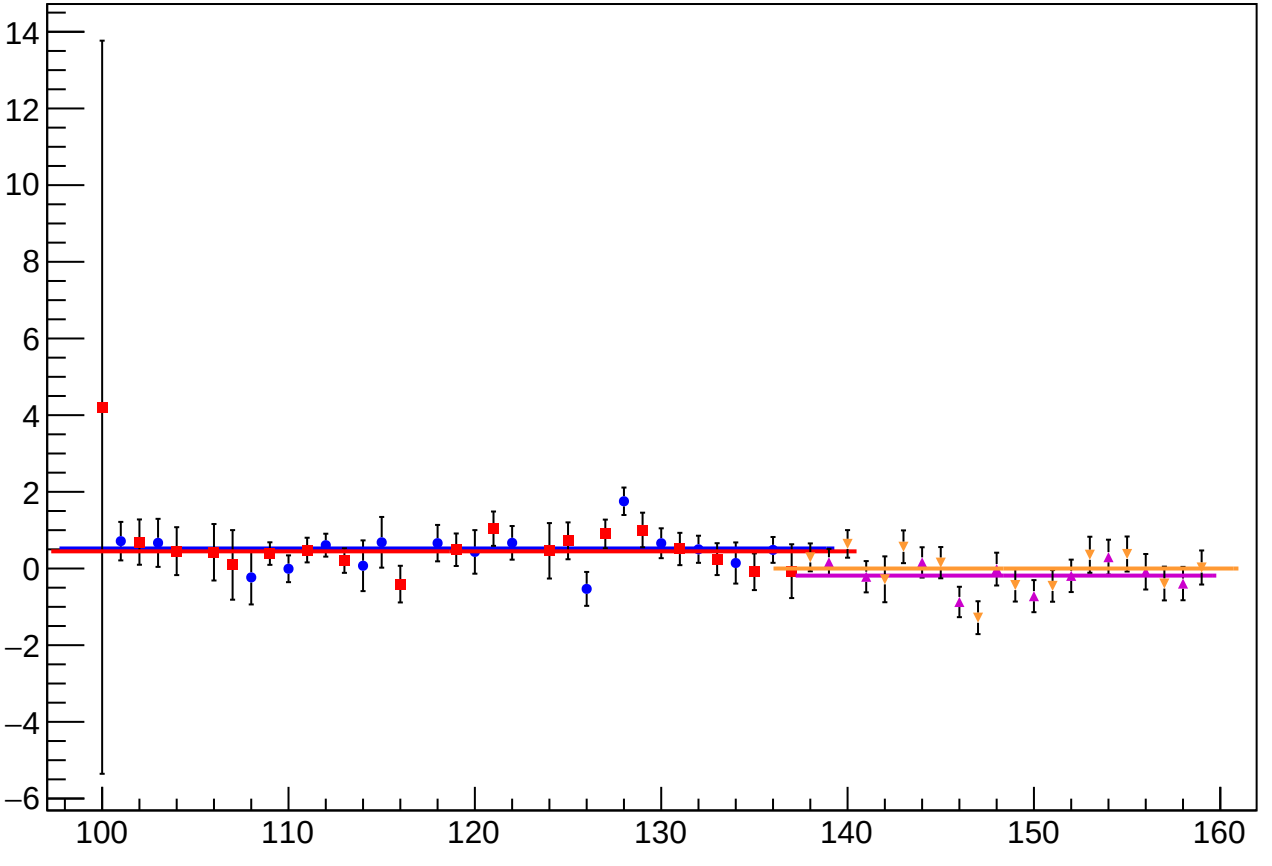
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.040+/-0.003 χ^2/NDF:31.6/25

Out: 0.028+/-0.003 χ^2/NDF:10029.3/28

All: 0.034+/-0.002 χ^2/NDF: 10066.9/54

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.123 χ^2/NDF:19.2/11

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.185+/-0.131 χ^2/NDF:8.0/9

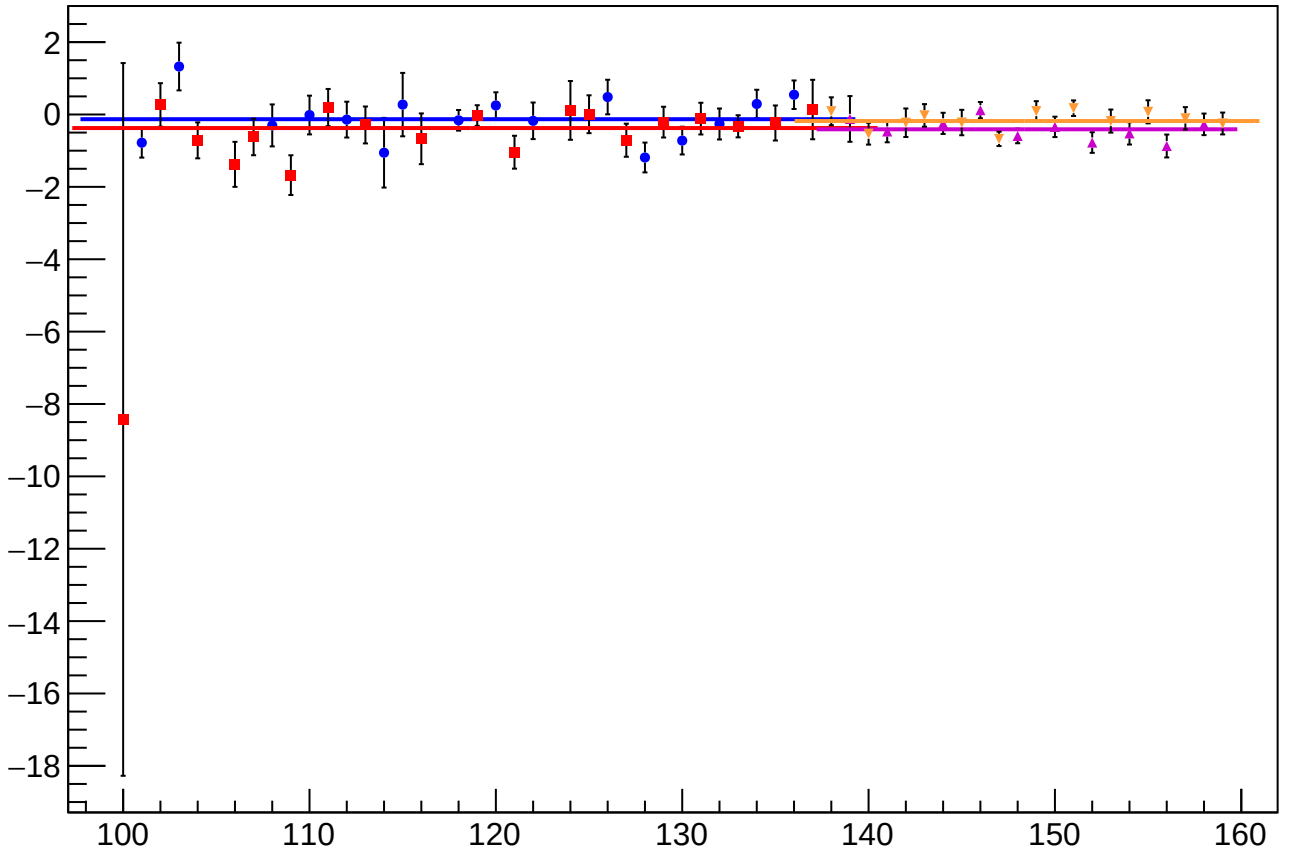
Left: -0.087+/-0.090 χ^2/NDF: 28.2/21

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.234+/-0.083 χ^2/NDF:47.9/25

Out: 0.259+/-0.080 χ^2/NDF:38.2/30

All: 0.247+/-0.058 χ^2/NDF: 86.2/56



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.180+/-0.083 χ^2/NDF:12.8/11

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.409+/-0.089 χ^2/NDF:11.1/9

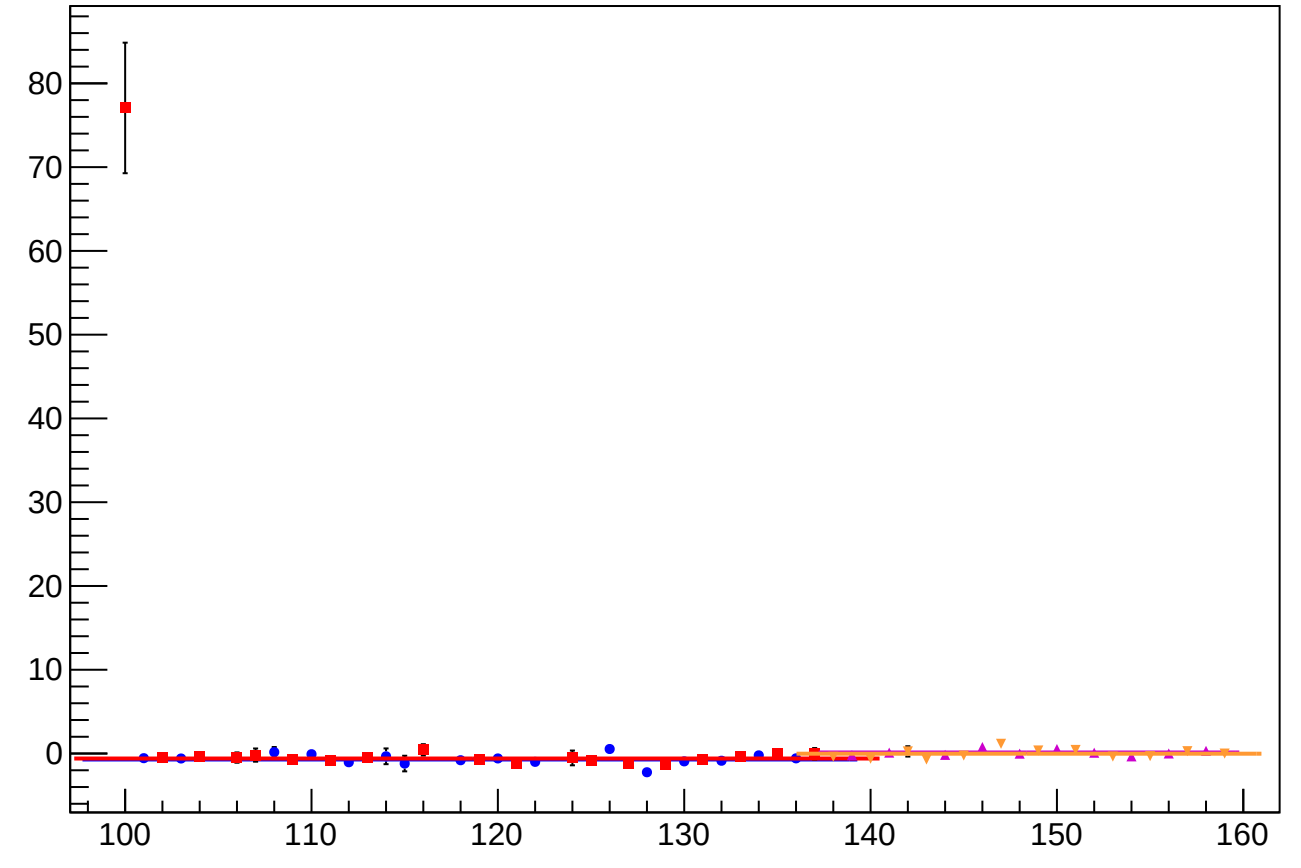
Left: -0.287+/-0.061 χ^2/NDF: 27.4/21

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.301+/-0.070 χ^2/NDF:39.5/25

Out: -0.250+/-0.067 χ^2/NDF:32.9/30

All: -0.274+/-0.048 χ^2/NDF: 72.7/56



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.022+/-0.120 χ^2/NDF:19.1/11

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.123+/-0.127 χ^2/NDF:6.9/9

Left: 0.046+/-0.087 χ^2/NDF: 26.7/21

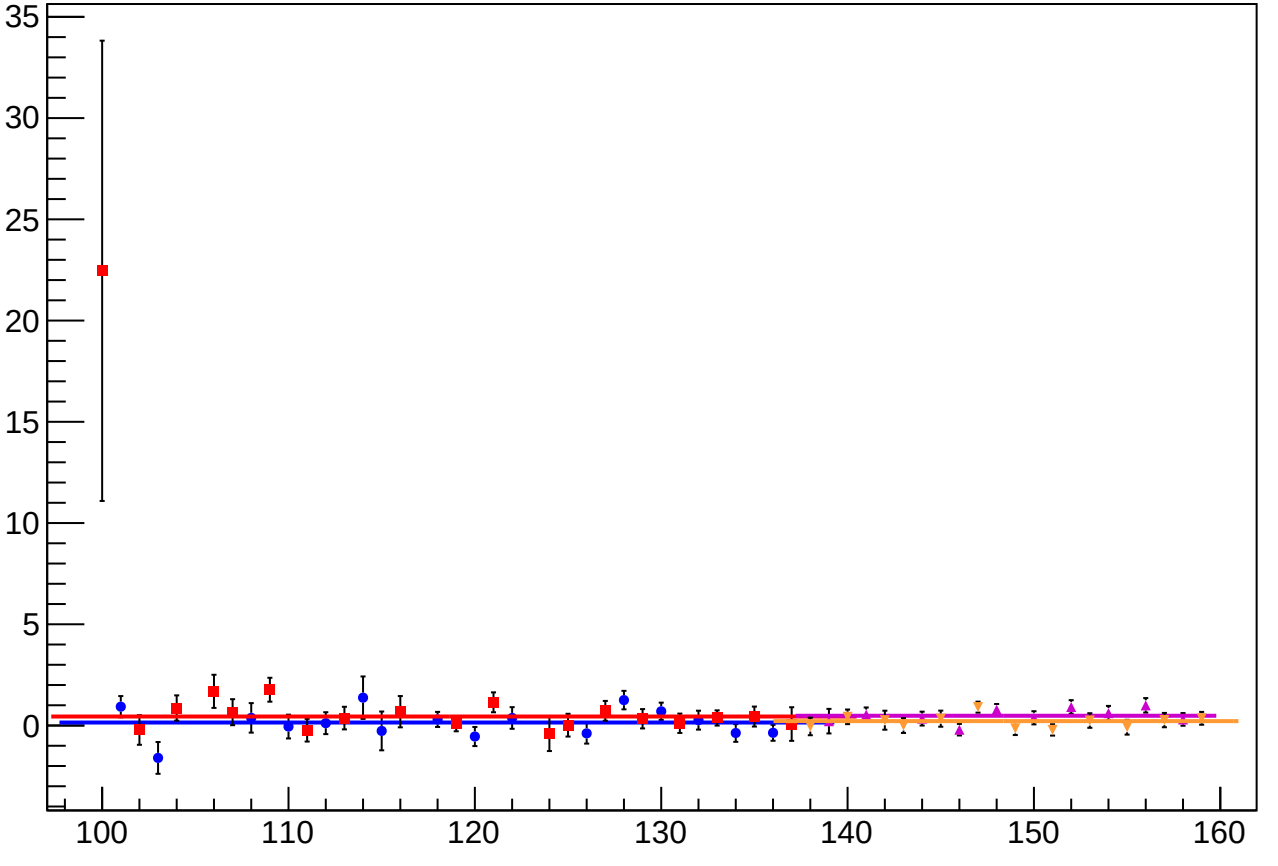
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.312+/-0.088 χ^2/NDF:54.5/25

Out: -0.306+/-0.085 χ^2/NDF:141.4/30

All: -0.309+/-0.061 χ^2/NDF: 195.9/56

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.217+/-0.100 χ^2/NDF:12.2/11

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.482+/-0.106 χ^2/NDF:11.6/9

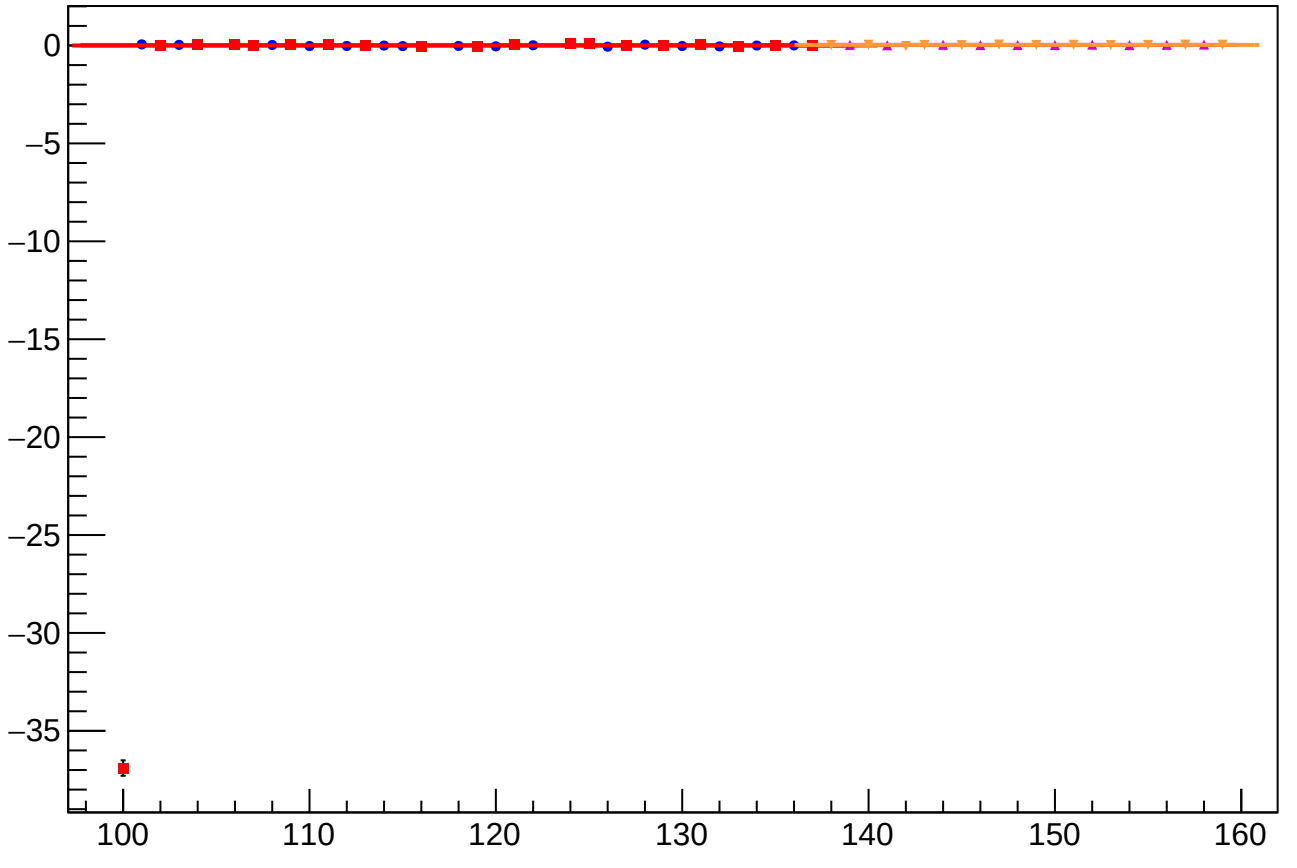
Left: 0.341+/-0.073 χ^2/NDF: 27.1/21

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.345+/-0.082 χ^2/NDF:38.9/25

Out: 0.303+/-0.079 χ^2/NDF:33.8/30

All: 0.324+/-0.057 χ^2/NDF: 72.9/56



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.005 χ^2/NDF:9.3/11

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.031+/-0.005 χ^2/NDF:5.0/9

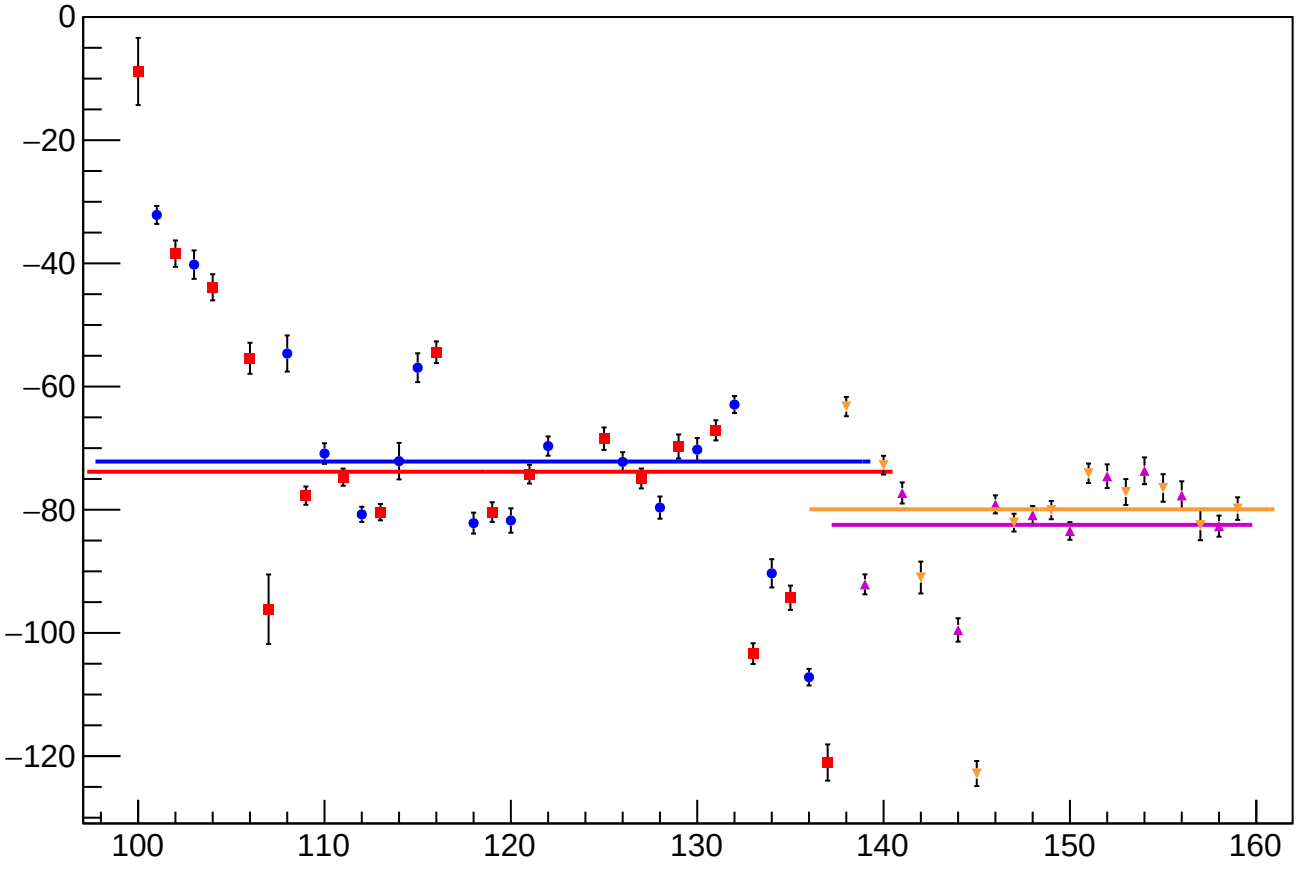
Left: 0.031+/-0.003 χ^2/NDF: 14.4/21

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:30.5/25

Out: 0.023+/-0.004 χ^2/NDF:8773.1/30

All: 0.023+/-0.003 χ^2/NDF: 8803.7/56



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.927+/-0.538 χ^2/NDF:620.3/10

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -82.451+/-0.540 χ^2/NDF:169.7/9

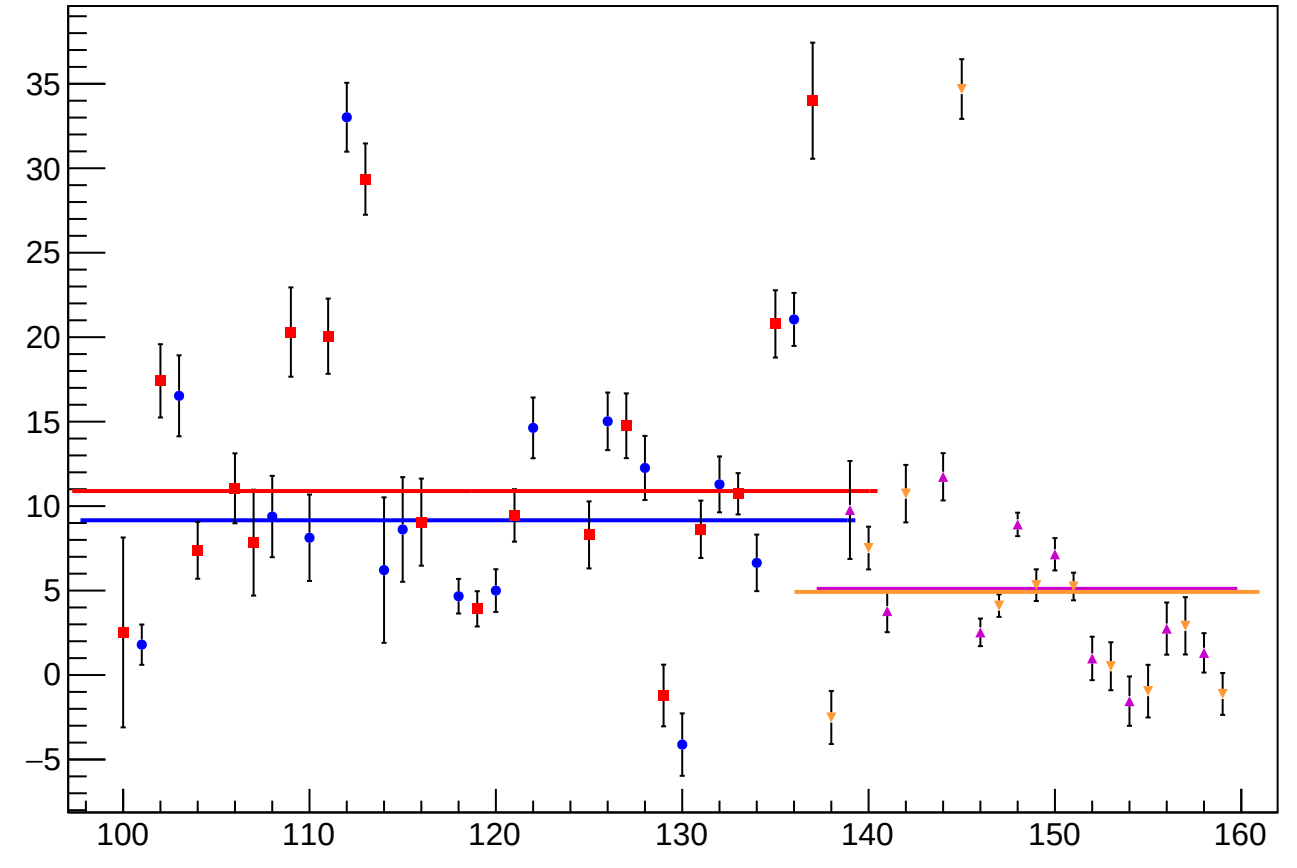
Left: -81.184+/-0.381 χ^2/NDF: 800.9/20

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -76.186+/-0.337 χ^2/NDF:2326.7/25

Out: -76.212+/-0.336 χ^2/NDF:2256.2/28

All: -76.199+/-0.238 χ^2/NDF: 4582.9/54



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 4.921+/-0.343 χ^2/NDF:372.8/10

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 5.100+/-0.350 χ^2/NDF:114.7/9

Left: 5.009+/-0.245 χ^2/NDF: 487.6/20

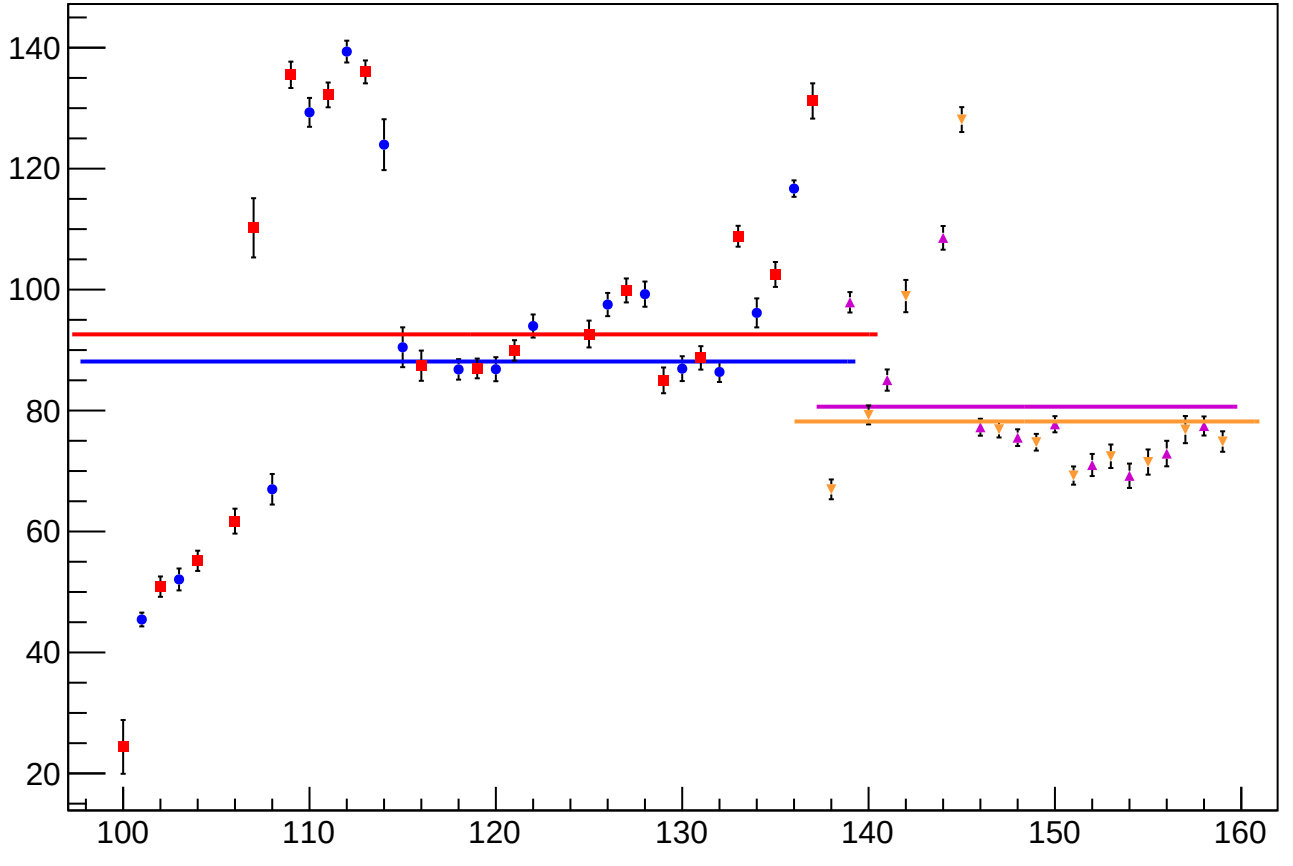
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 6.741+/-0.270 χ^2/NDF:521.2/25

Out: 7.178+/-0.271 χ^2/NDF:777.4/28

All: 6.959+/-0.191 χ^2/NDF: 1299.9/54

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: 78.195+/-0.519 χ^2/NDF:761.7/10

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 80.639+/-0.520 χ^2/NDF:416.0/9

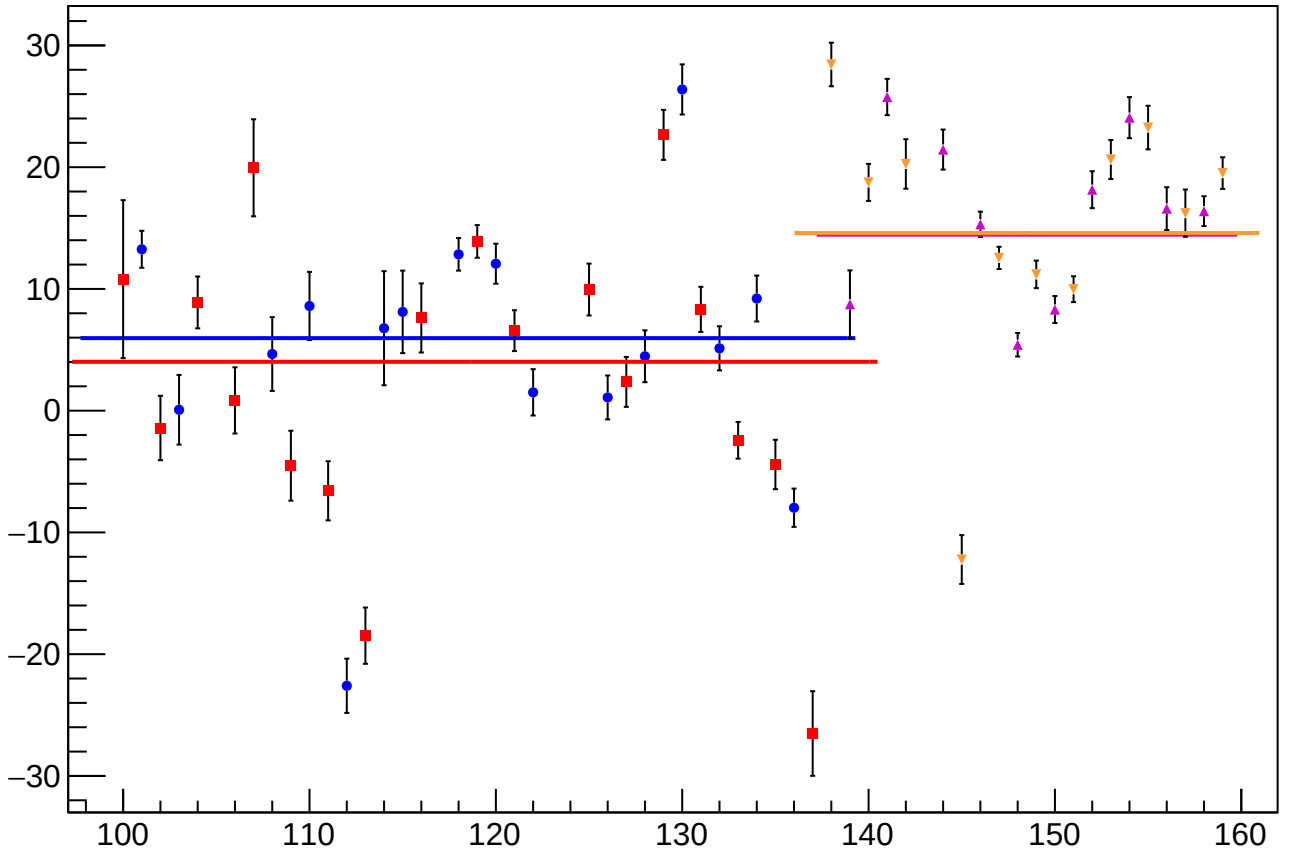
Left: 79.415+/-0.367 χ^2/NDF: 1188.8/20

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 84.759+/-0.348 χ^2/NDF:4091.7/25

Out: 85.907+/-0.354 χ^2/NDF:4385.4/28

All: 85.324+/-0.248 χ^2/NDF: 8482.5/54



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 14.596+/-0.420 χ^2/NDF:339.3/10

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 14.459+/-0.425 χ^2/NDF:241.3/9

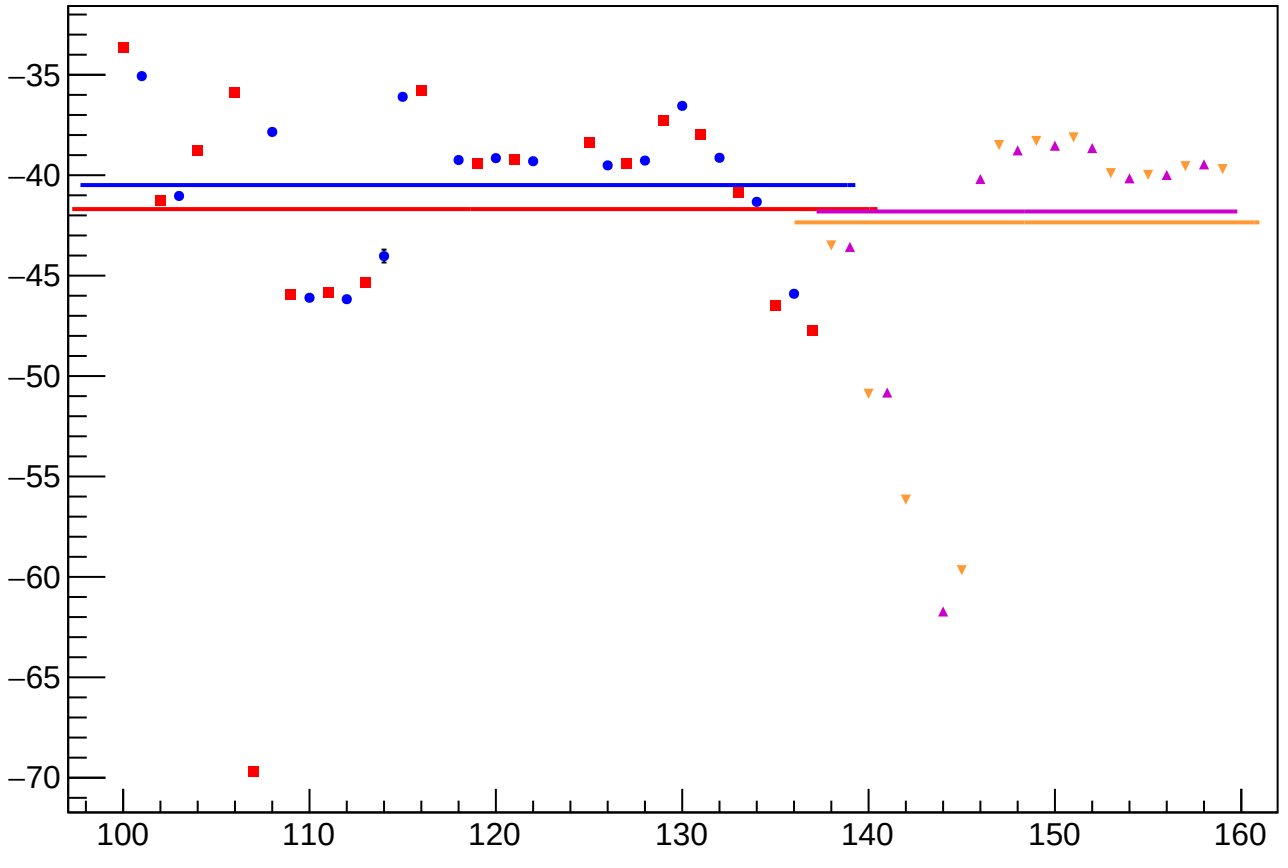
Left: 14.528+/-0.299 χ^2/NDF: 580.7/20

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 10.849+/-0.322 χ^2/NDF:838.0/25

Out: 10.314+/-0.324 χ^2/NDF:1013.6/28

All: 10.583+/-0.229 χ^2/NDF: 1852.9/54



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -42.349+/-0.020 χ^2/NDF:96600.4/10

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.806+/-0.020 χ^2/NDF:80635.7/9

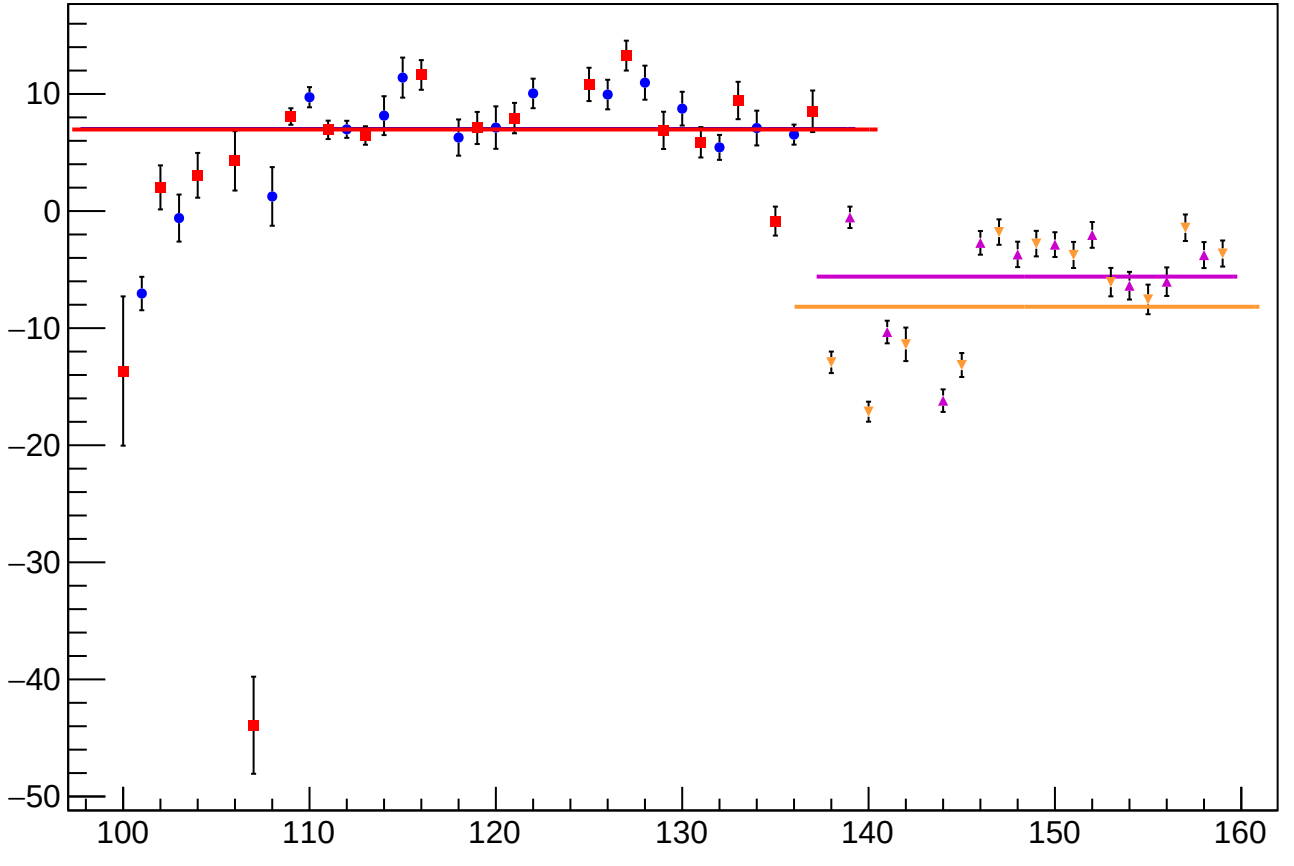
Left: -42.072+/-0.014 χ^2/NDF: 177601.8/20

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.373+/-0.016 χ^2/NDF:100207.7/25

Out: -42.134+/-0.017 χ^2/NDF:133786.3/28

All: -41.744+/-0.012 χ^2/NDF: 235063.7/54



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.173+/-0.327 χ^2/NDF:295.2/10

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.599+/-0.332 χ^2/NDF:207.5/9

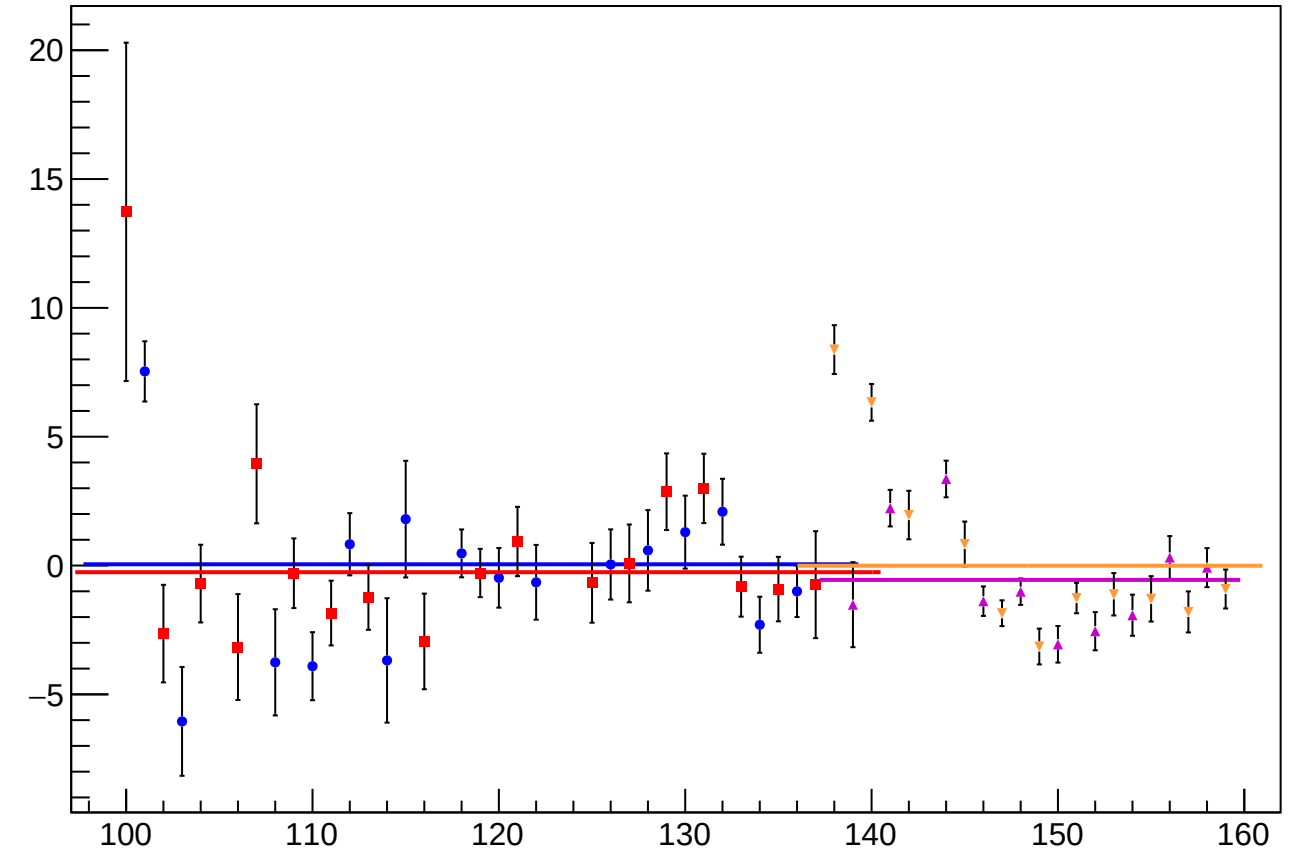
Left: -6.906+/-0.233 χ^2/NDF: 533.4/20

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 1.147+/-0.226 χ^2/NDF:1137.0/25

Out: 0.085+/-0.220 χ^2/NDF:1733.1/28

All: 0.602+/-0.158 χ^2/NDF: 2881.4/54



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: -0.008+/-0.221 χ^2/NDF:211.3/10

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.557+/-0.225 χ^2/NDF:73.0/9

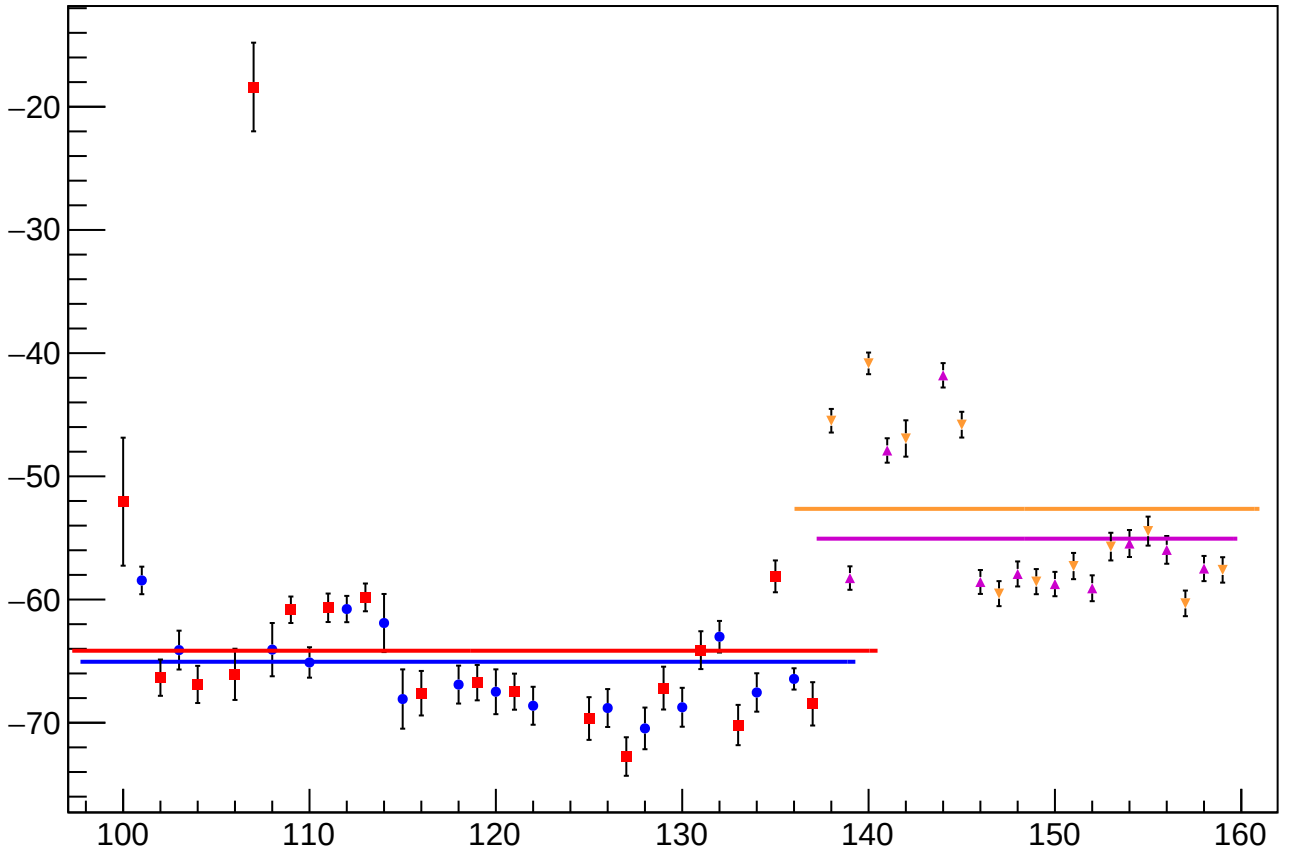
Left: -0.277+/-0.158 χ^2/NDF: 287.4/20

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.366+/-0.186 χ^2/NDF:150.3/25

Out: -0.081+/-0.186 χ^2/NDF:239.3/28

All: -0.223+/-0.132 χ^2/NDF: 390.7/54



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.639+/-0.317 χ^2/NDF:479.7/10

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -55.060+/-0.321 χ^2/NDF:298.7/9

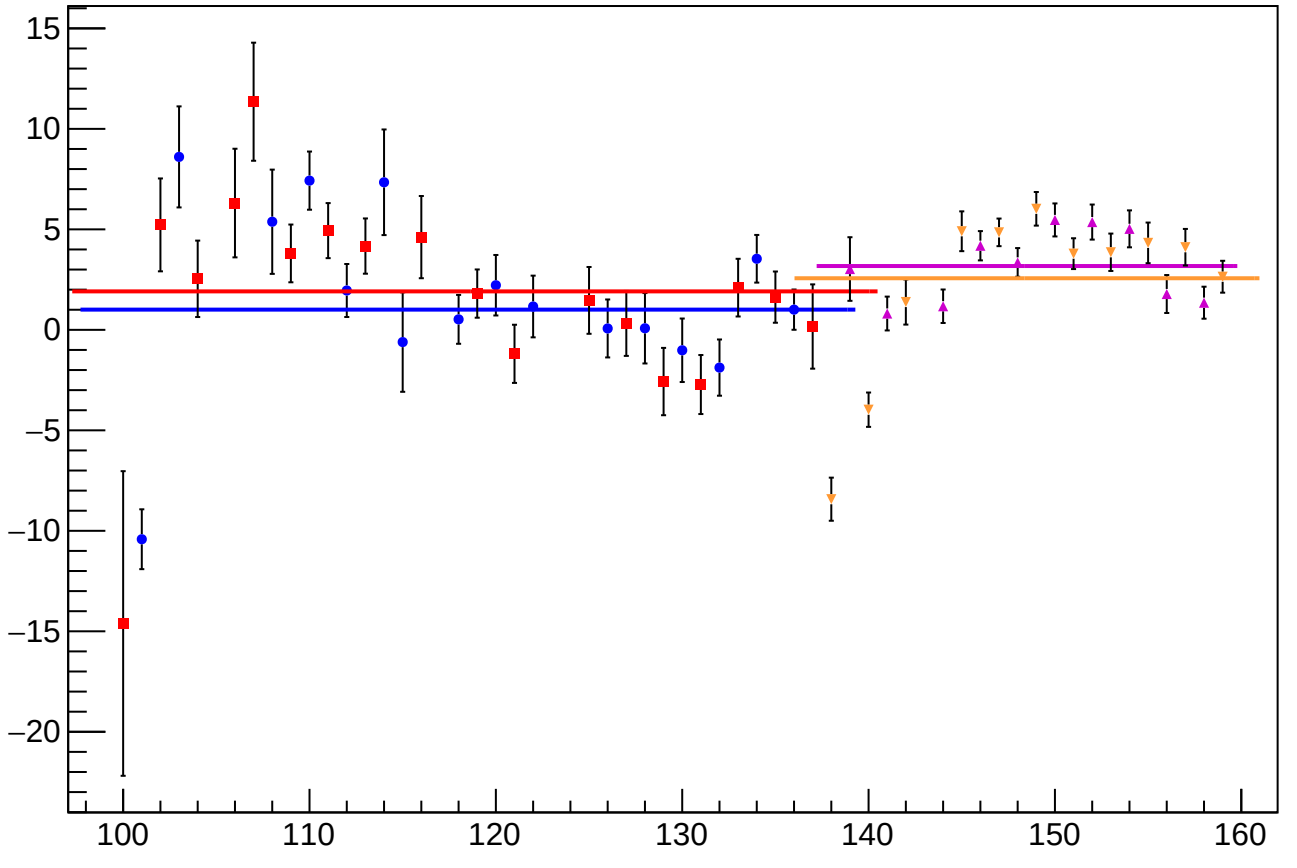
Left: -53.832+/-0.226 χ^2/NDF: 807.2/20

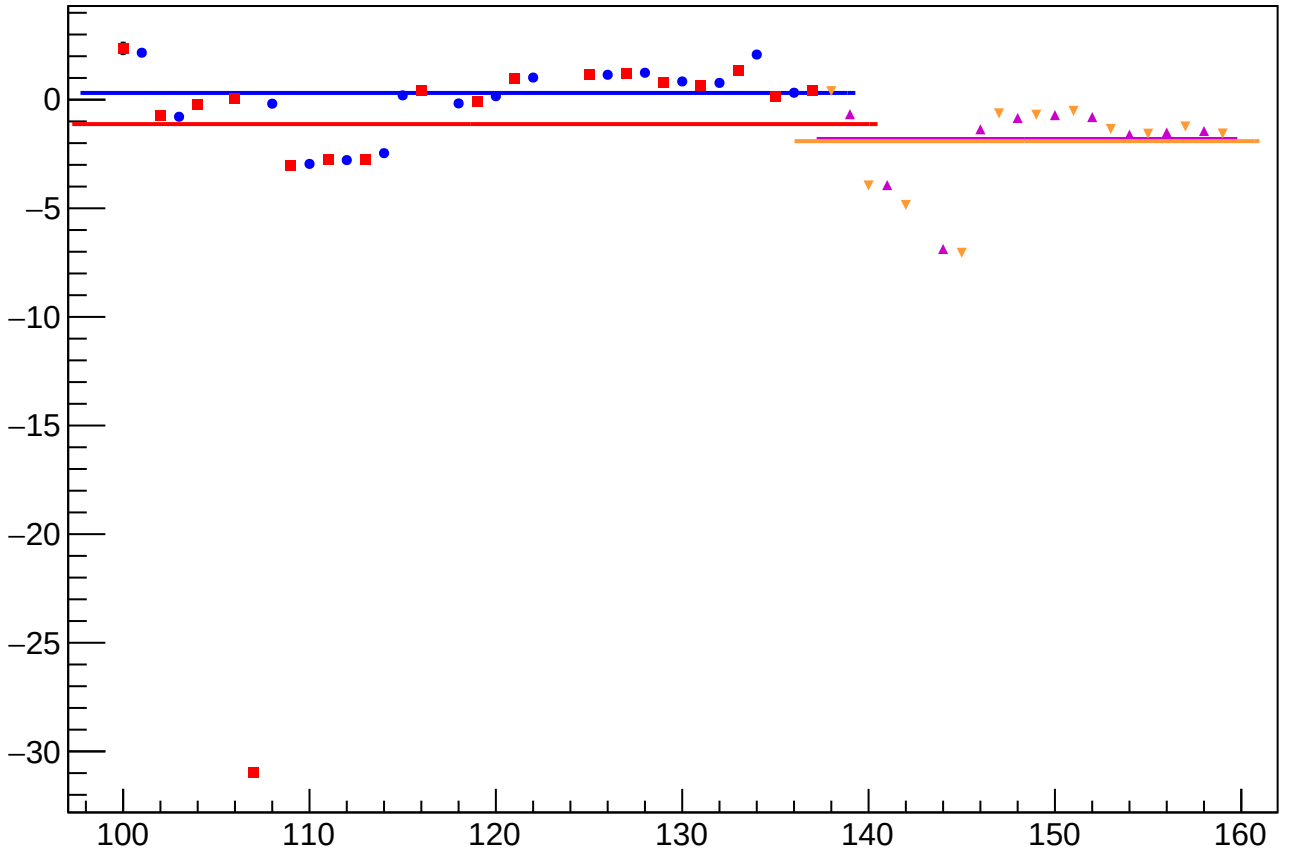
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -59.576+/-0.238 χ^2/NDF:828.1/25

Out: -57.662+/-0.238 χ^2/NDF:1359.0/28

All: -58.619+/-0.168 χ^2/NDF: 2219.3/54


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
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 2.567+/-0.265 χ²/NDF:208.9/10
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 3.175+/-0.269 χ²/NDF:41.2/9
Left: 2.866+/-0.189 χ²/NDF: 252.7/20
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.439+/-0.219 χ²/NDF:172.5/25
Out: 2.360+/-0.219 χ²/NDF:265.3/28
All: 2.400+/-0.155 χ²/NDF: 437.8/54



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.909+/-0.012 χ^2/NDF:27834.0/10

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.808+/-0.012 χ^2/NDF:19296.0/9

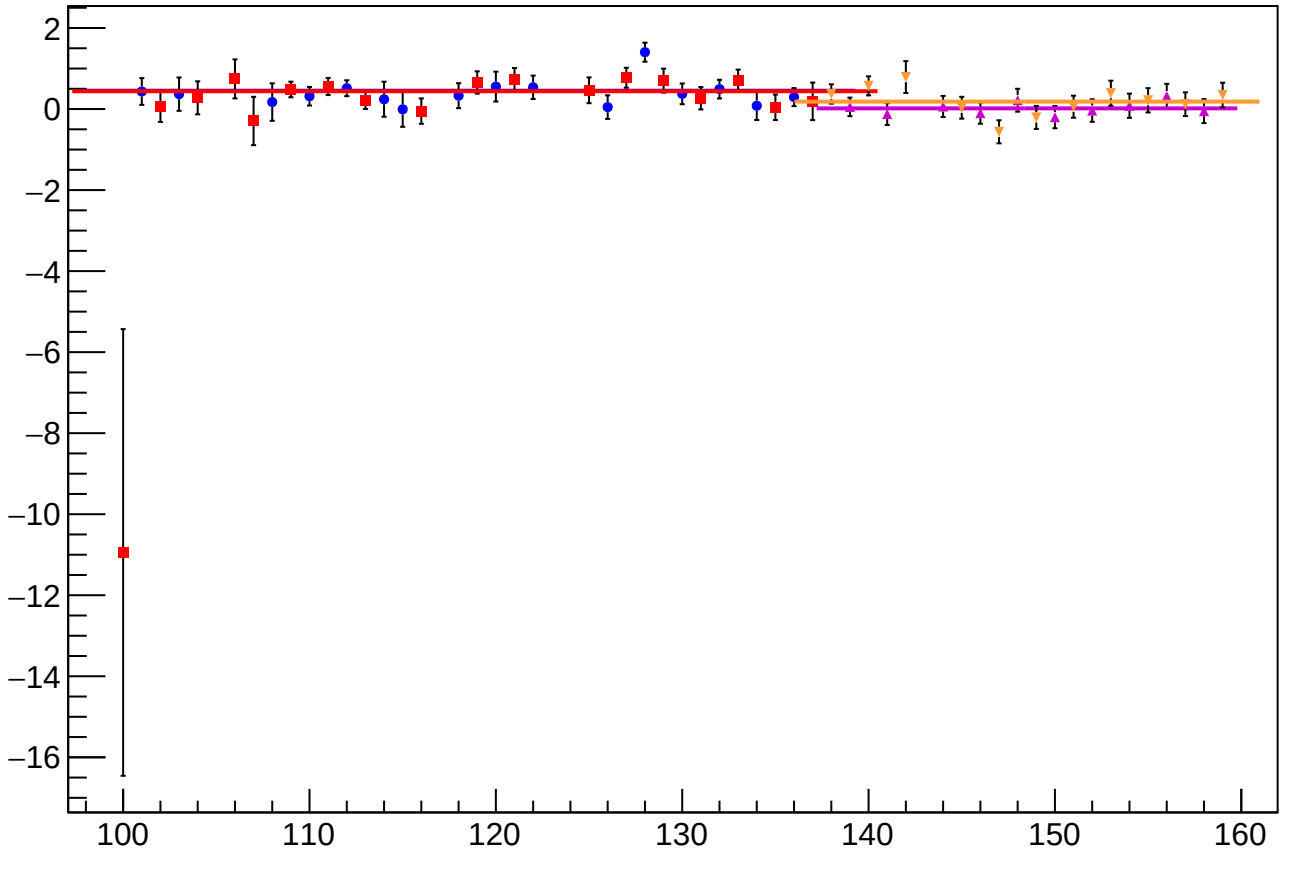
Left: -1.859+/-0.009 χ^2/NDF: 47164.4/20

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.279+/-0.011 χ^2/NDF:31734.1/25

Out: -1.729+/-0.011 χ^2/NDF:75144.7/28

All: -1.502+/-0.007 χ^2/NDF: 107782.1/54



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.183+/-0.085 χ^2/NDF:15.8/10

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.016+/-0.086 χ^2/NDF:2.8/9

Left: 0.101+/-0.061 χ^2/NDF: 20.5/20

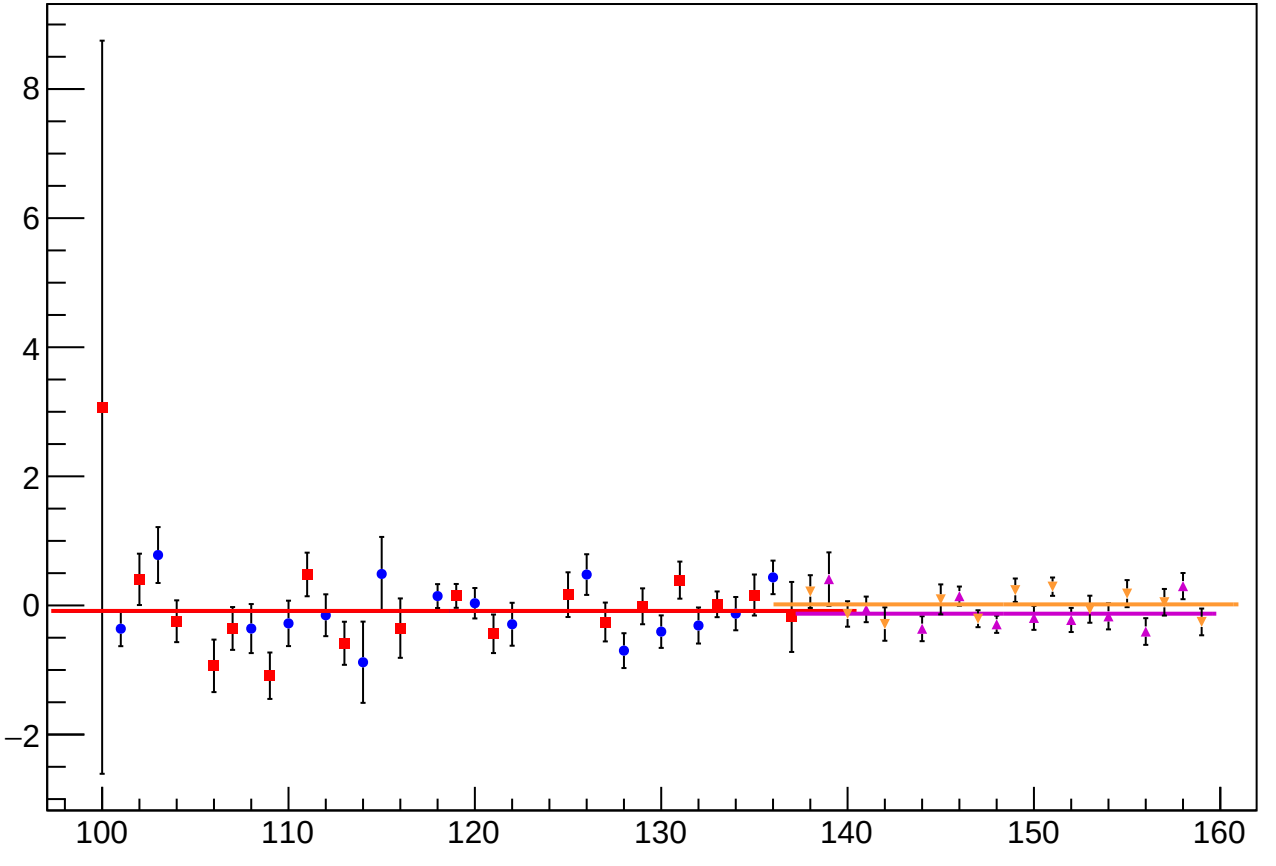
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.276+/-0.055 χ^2/NDF:40.6/25

Out: 0.337+/-0.054 χ^2/NDF:39.8/28

All: 0.307+/-0.038 χ^2/NDF: 81.0/54

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.016+/-0.057 χ^2/NDF:13.2/10

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.128+/-0.059 χ^2/NDF:14.8/9

Left: -0.054+/-0.041 χ^2/NDF: 31.1/20

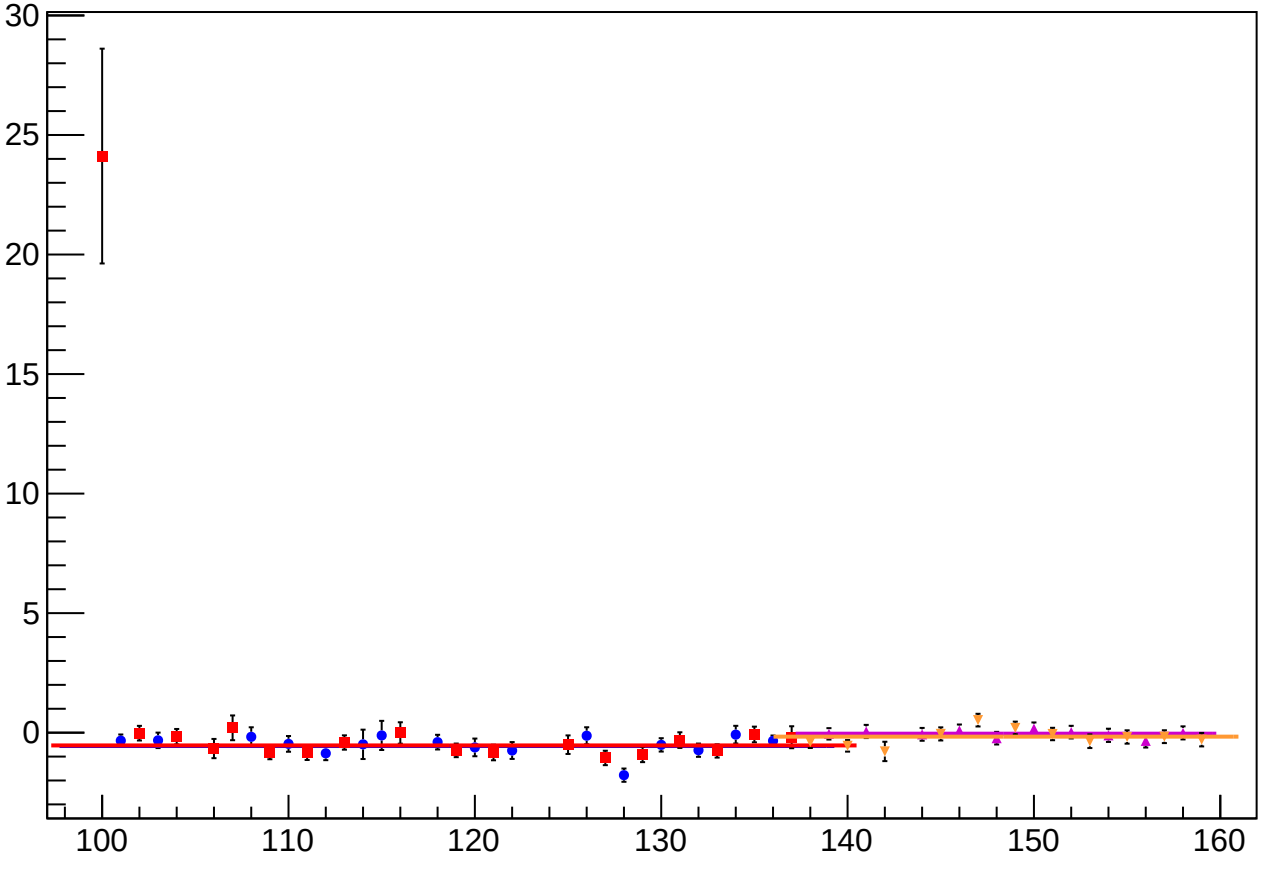
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.112+/-0.046 χ^2/NDF:40.3/25

Out: -0.022+/-0.045 χ^2/NDF:42.3/28

All: -0.066+/-0.032 χ^2/NDF: 84.6/54

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: -0.166+/-0.082 χ^2/NDF:15.3/10

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.043+/-0.084 χ^2/NDF:2.9/9

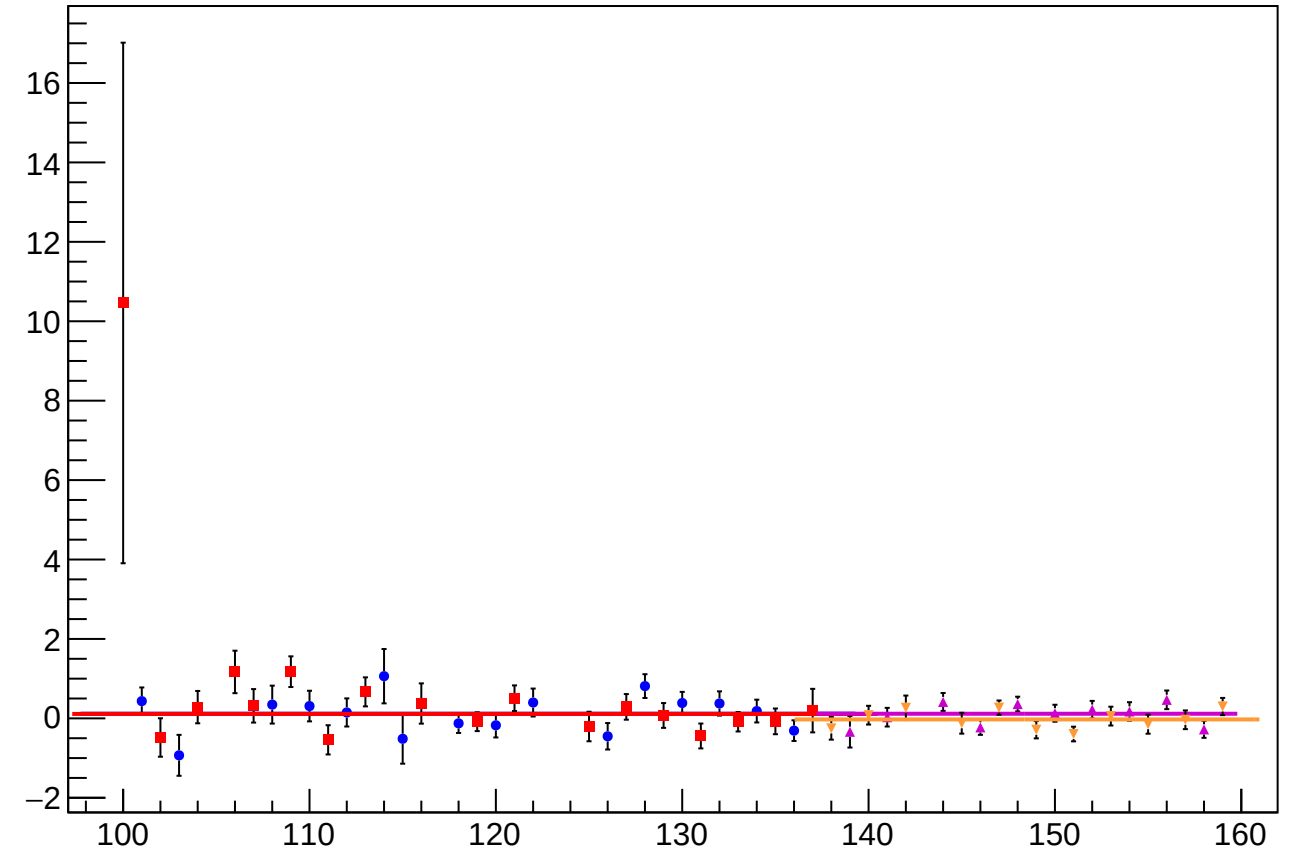
Left: -0.105+/-0.059 χ^2/NDF: 19.3/20

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.313+/-0.058 χ^2/NDF:51.2/25

Out: -0.354+/-0.058 χ^2/NDF:74.7/28

All: -0.333+/-0.041 χ^2/NDF: 126.1/54



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.027+/-0.069 χ^2/NDF:12.6/10

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.116+/-0.070 χ^2/NDF:14.1/9

Left: 0.043+/-0.049 χ^2/NDF: 28.8/20

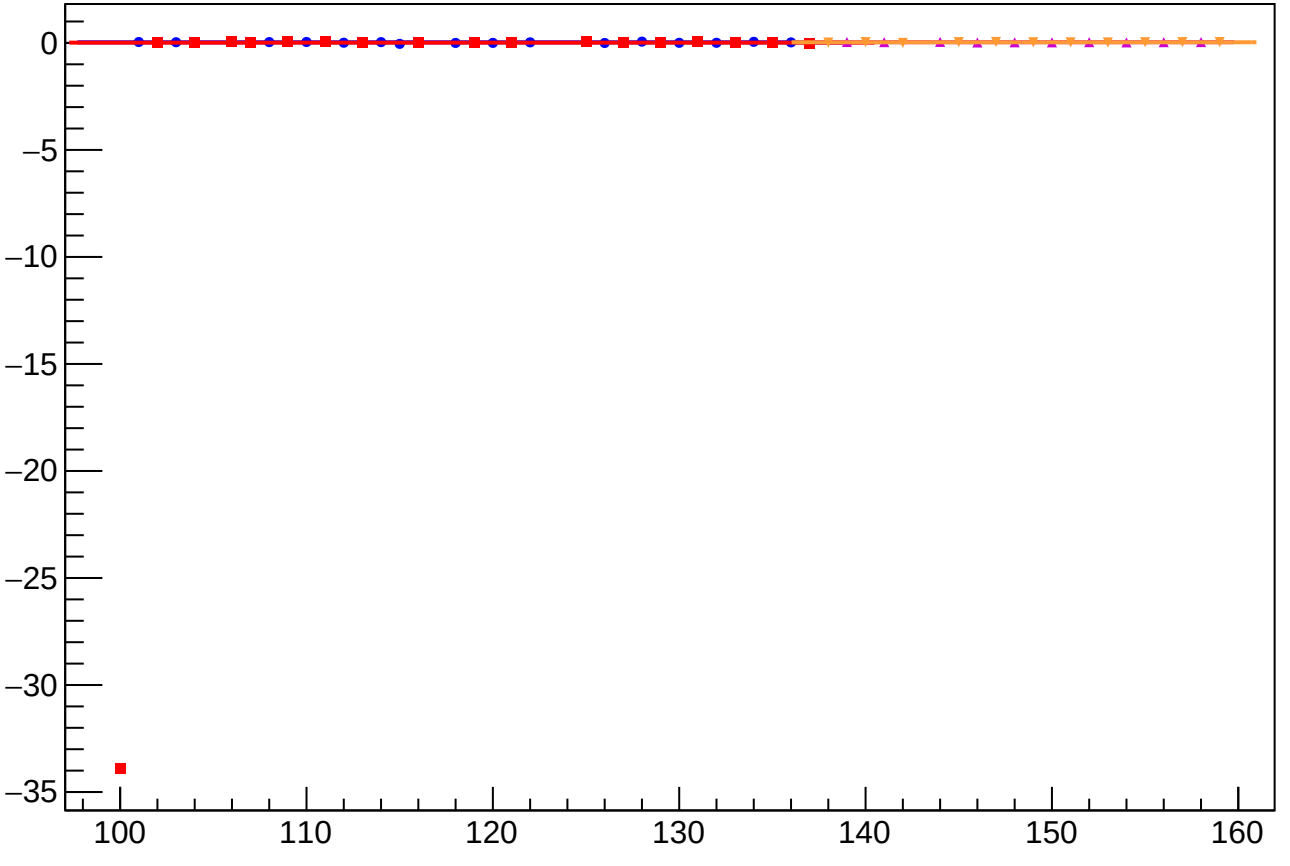
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.117+/-0.054 χ^2/NDF:37.8/25

Out: 0.028+/-0.053 χ^2/NDF:43.2/28

All: 0.072+/-0.038 χ^2/NDF: 82.3/54

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.030+/-0.003 χ^2/NDF:9.4/10

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.034+/-0.003 χ^2/NDF:6.0/9

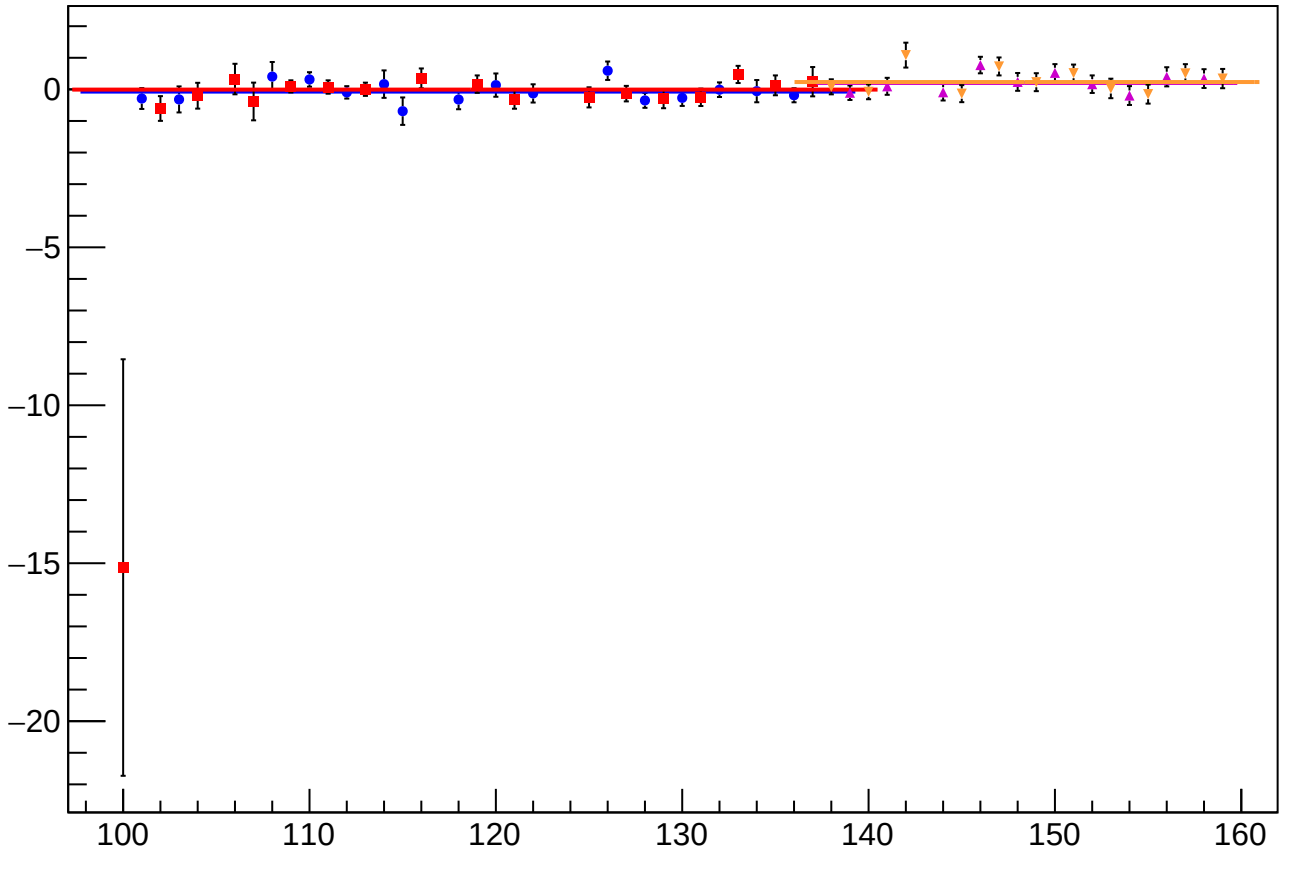
Left: 0.032+/-0.002 χ^2/NDF: 16.2/20

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.003 χ^2/NDF:21.8/25

Out: 0.024+/-0.003 χ^2/NDF:22280.8/28

All: 0.028+/-0.002 χ^2/NDF: 22306.4/54



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.233+/-0.085 χ^2/NDF:15.8/10

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.203+/-0.086 χ^2/NDF:11.7/9

Left: 0.218+/-0.061 χ^2/NDF: 27.6/20

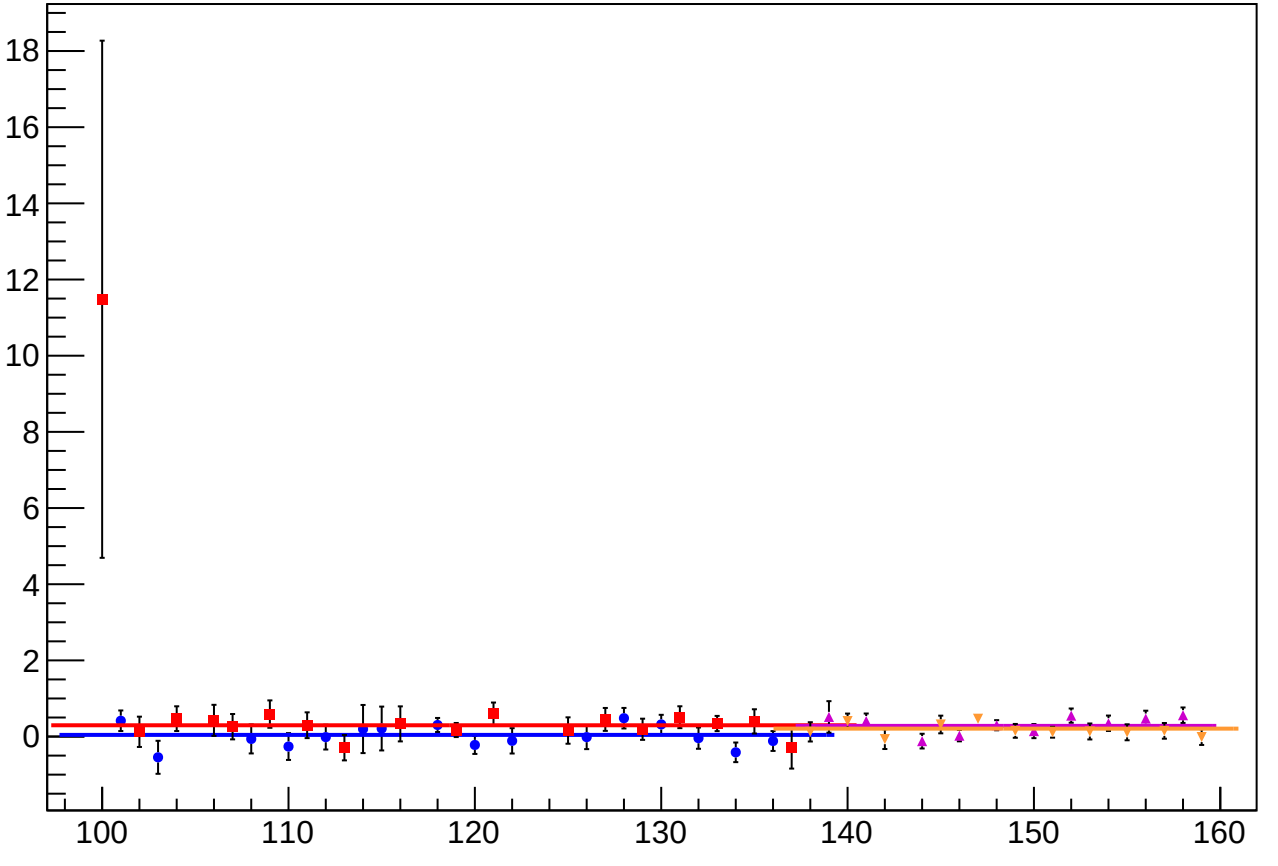
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.040+/-0.055 χ^2/NDF:33.2/25

Out: 0.089+/-0.054 χ^2/NDF:38.7/28

All: 0.065+/-0.038 χ^2/NDF: 72.3/54

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.208+/-0.057 χ^2/NDF:8.5/10

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.280+/-0.059 χ^2/NDF:13.5/9

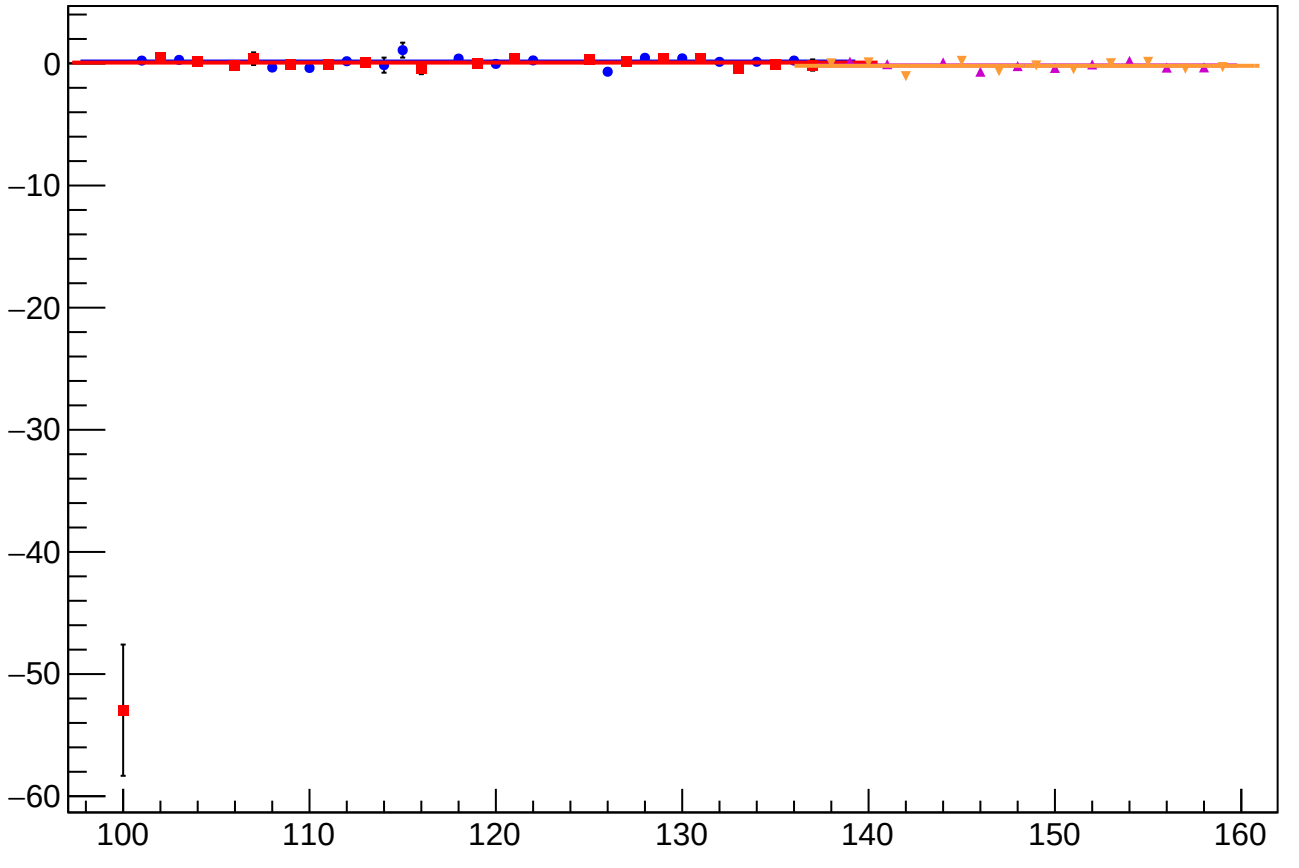
Left: 0.243+/-0.041 χ^2/NDF: 22.8/20

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.187+/-0.046 χ^2/NDF:35.6/25

Out: 0.241+/-0.045 χ^2/NDF:20.4/28

All: 0.214+/-0.032 χ^2/NDF: 56.7/54



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.197+/-0.082 χ^2/NDF:15.3/10

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.167+/-0.084 χ^2/NDF:10.2/9

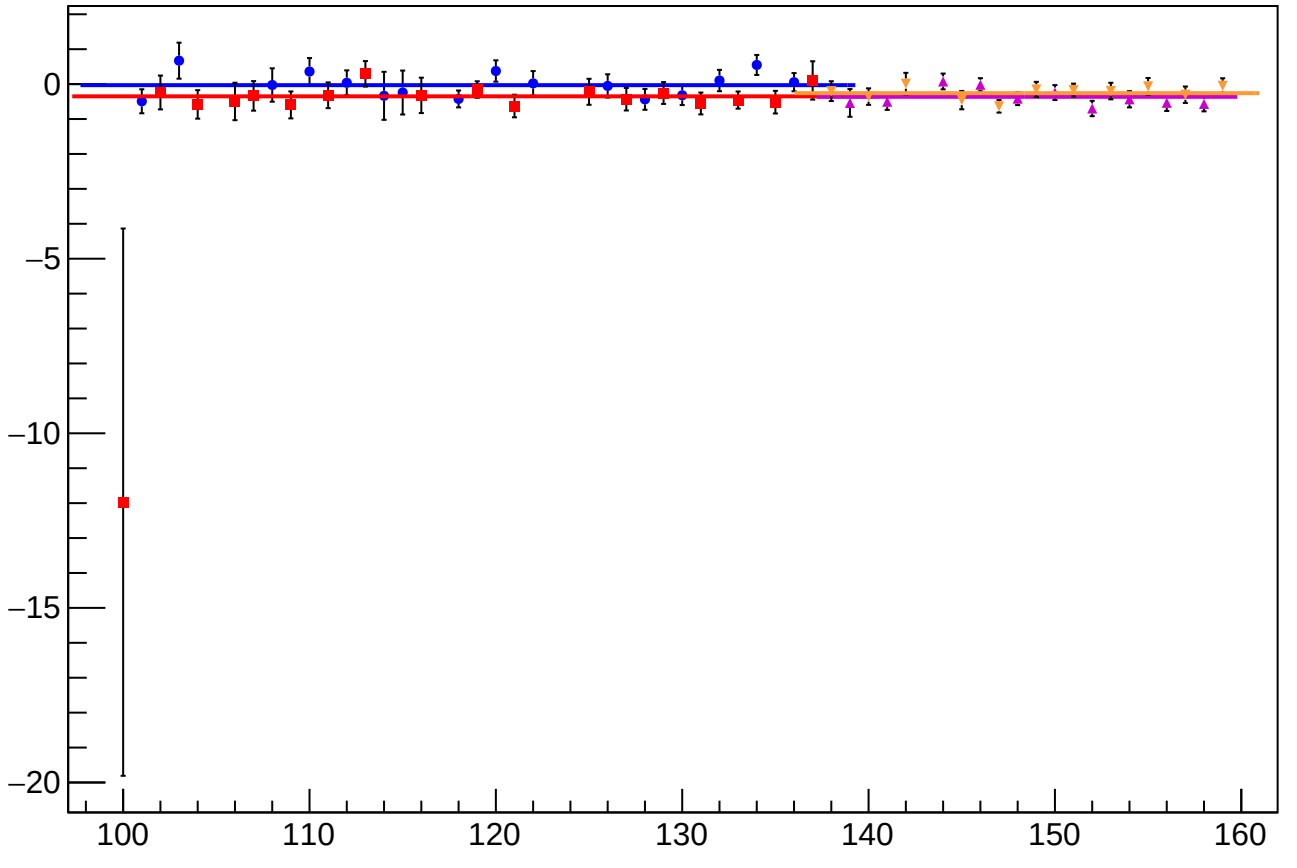
Left: -0.182+/-0.059 χ^2/NDF: 25.6/20

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.001+/-0.058 χ^2/NDF:33.5/25

Out: -0.063+/-0.058 χ^2/NDF:129.8/28

All: -0.031+/-0.041 χ^2/NDF: 163.9/54



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.259+/-0.069 χ^2/NDF:8.1/10

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.364+/-0.070 χ^2/NDF:11.9/9

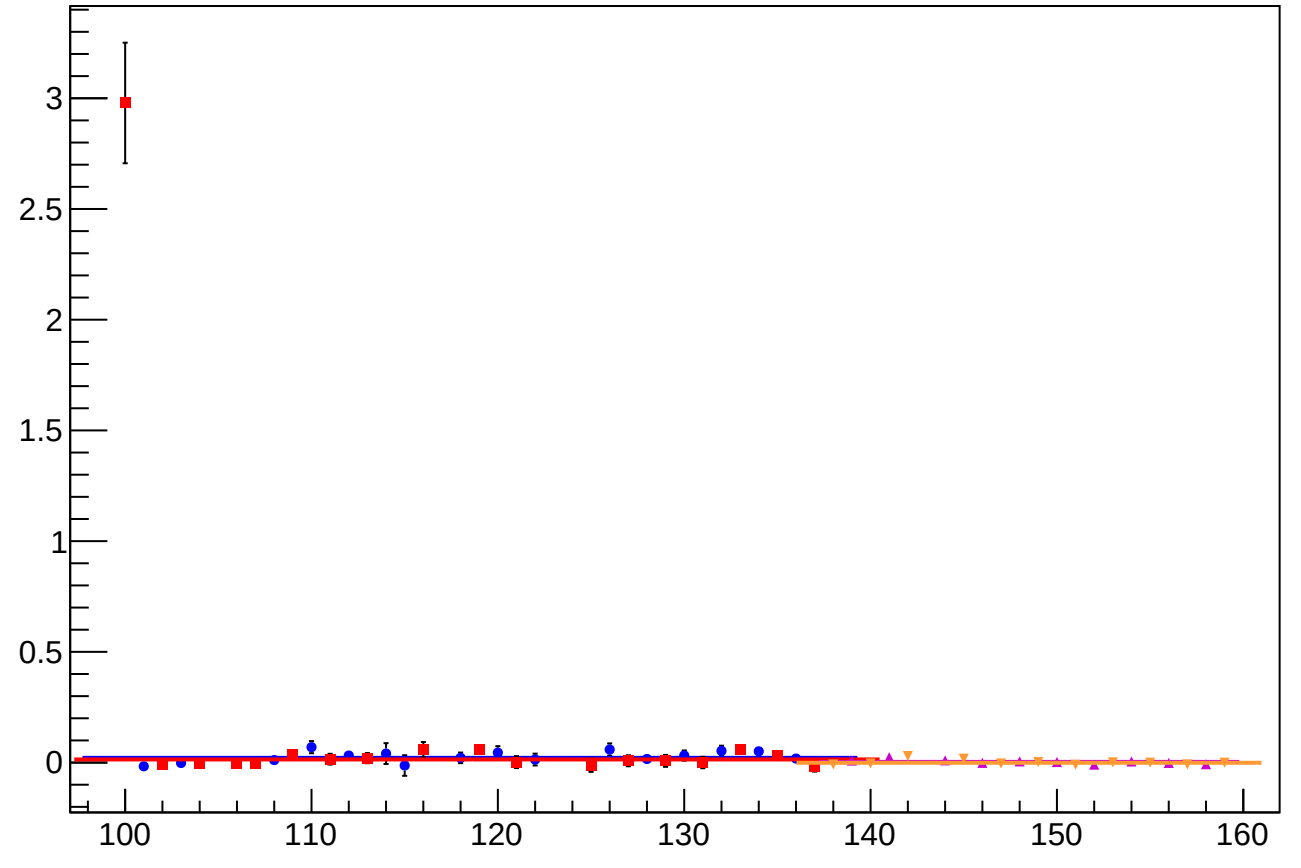
Left: -0.310+/-0.049 χ^2/NDF: 21.2/20

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.226+/-0.054 χ^2/NDF:38.0/25

Out: -0.295+/-0.053 χ^2/NDF:18.3/28

All: -0.261+/-0.038 χ^2/NDF: 57.1/54



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:8.6/10

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.003 χ^2/NDF:7.9/9

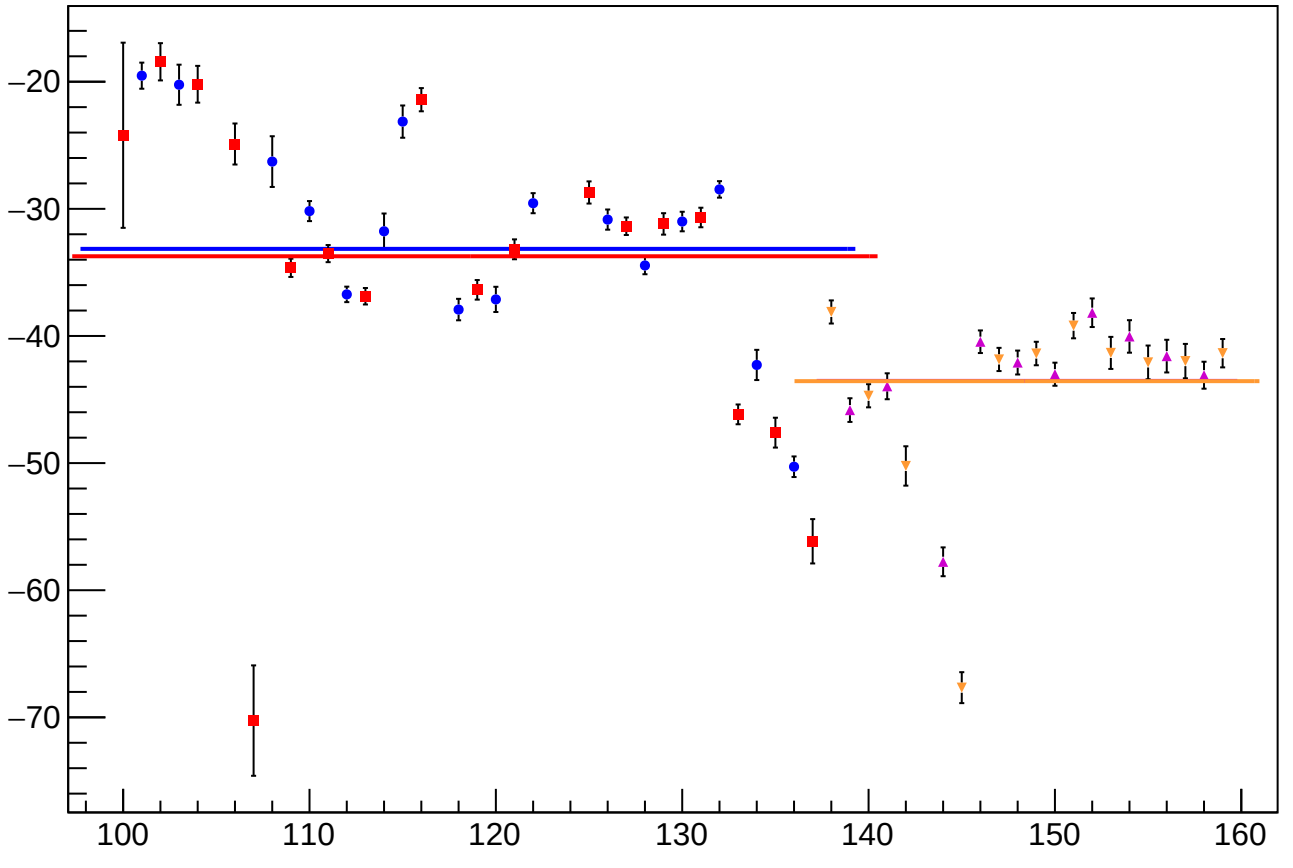
Left: 0.001+/-0.002 χ^2/NDF: 17.2/20

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.003 χ^2/NDF:40.5/25

Out: 0.003+/-0.003 χ^2/NDF:156.1/28

All: 0.006+/-0.002 χ^2/NDF: 198.4/54



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.554+/-0.326 χ^2/NDF:485.9/10

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -43.535+/-0.326 χ^2/NDF:211.1/9

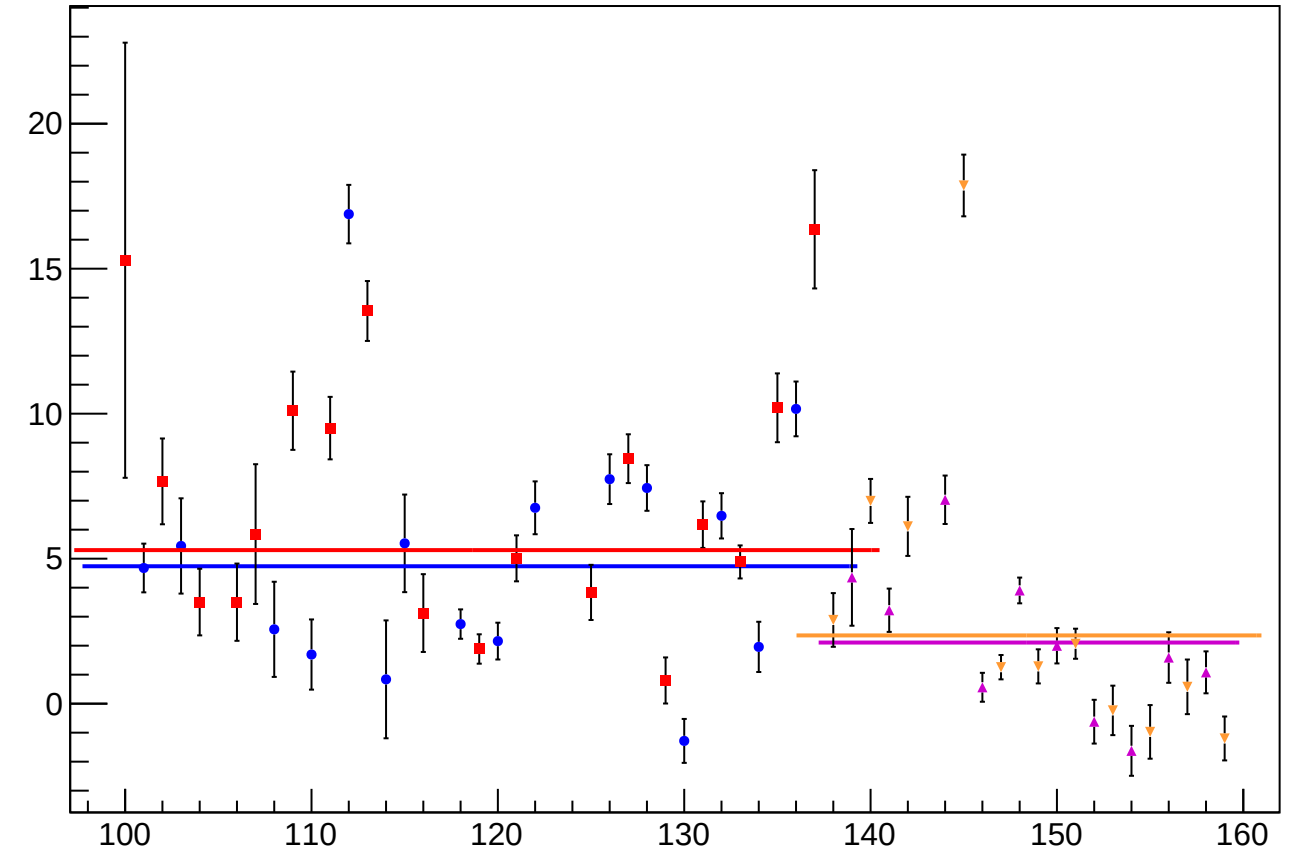
Left: -43.545+/-0.230 χ^2/NDF: 697.1/20

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.354+/-0.181 χ^2/NDF:1925.9/25

Out: -36.710+/-0.179 χ^2/NDF:2268.5/28

All: -36.534+/-0.127 χ^2/NDF: 4196.3/54



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.353+/-0.211 χ^2/NDF:322.1/10

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.108+/-0.215 χ^2/NDF:99.0/9

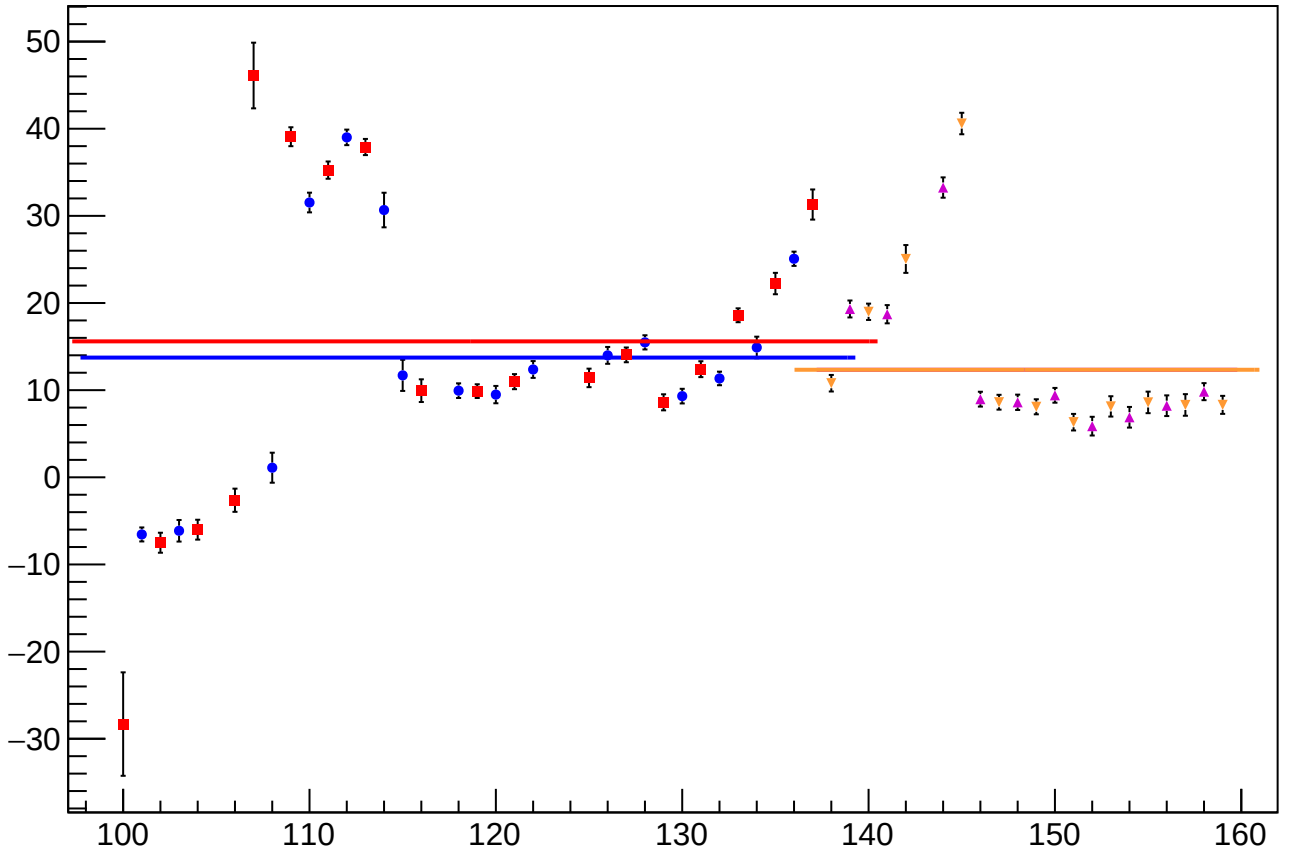
Left: 2.233+/-0.150 χ^2/NDF: 421.8/20

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.395+/-0.153 χ^2/NDF:502.2/25

Out: 3.741+/-0.153 χ^2/NDF:658.7/28

All: 3.568+/-0.108 χ^2/NDF: 1163.5/54



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 12.340+/-0.315 χ^2/NDF:773.6/10

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 12.336+/-0.315 χ^2/NDF:531.5/9

Left: 12.338+/-0.222 χ^2/NDF: 1305.1/20

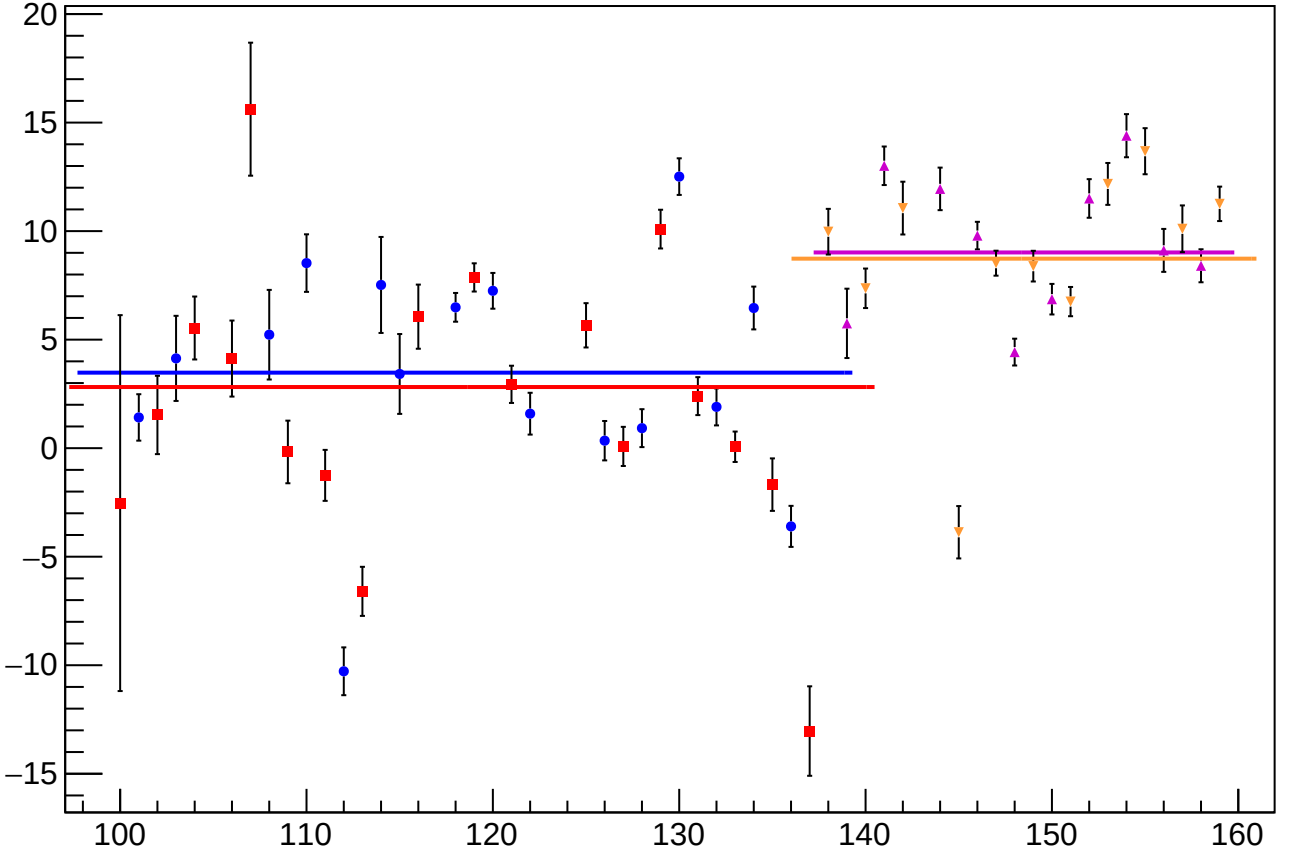
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.204+/-0.194 χ^2/NDF:2893.6/25

Out: 14.337+/-0.196 χ^2/NDF:3665.7/28

All: 13.766+/-0.138 χ^2/NDF: 6576.2/54

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.731+/-0.257 χ^2/NDF:171.7/10

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.017+/-0.260 χ^2/NDF:137.3/9

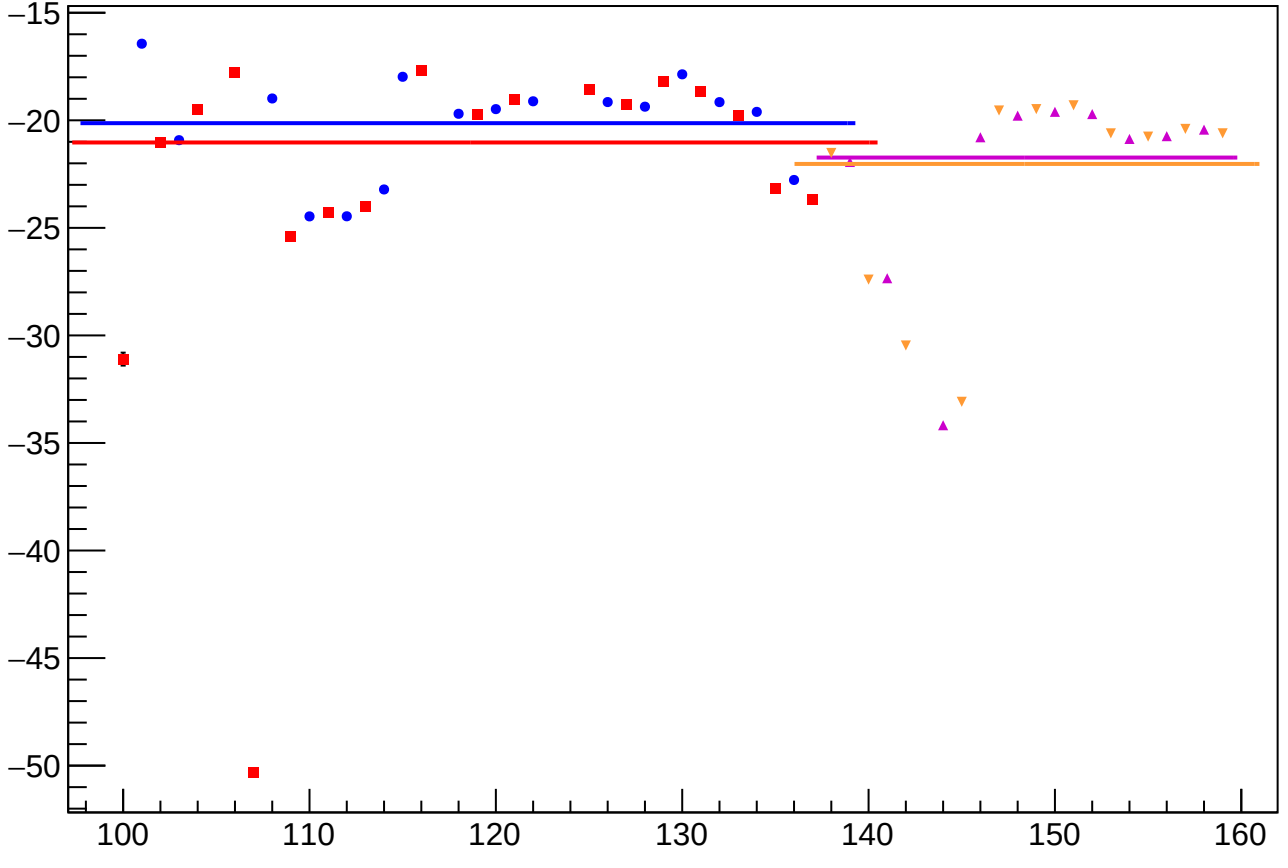
Left: 8.873+/-0.183 χ^2/NDF: 309.6/20

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.185+/-0.181 χ^2/NDF:797.8/25

Out: 5.774+/-0.182 χ^2/NDF:781.2/28

All: 5.980+/-0.128 χ^2/NDF: 1581.5/54



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.028+/-0.012 χ^2/NDF:105092.7/10

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -21.732+/-0.012 χ^2/NDF:86351.6/9

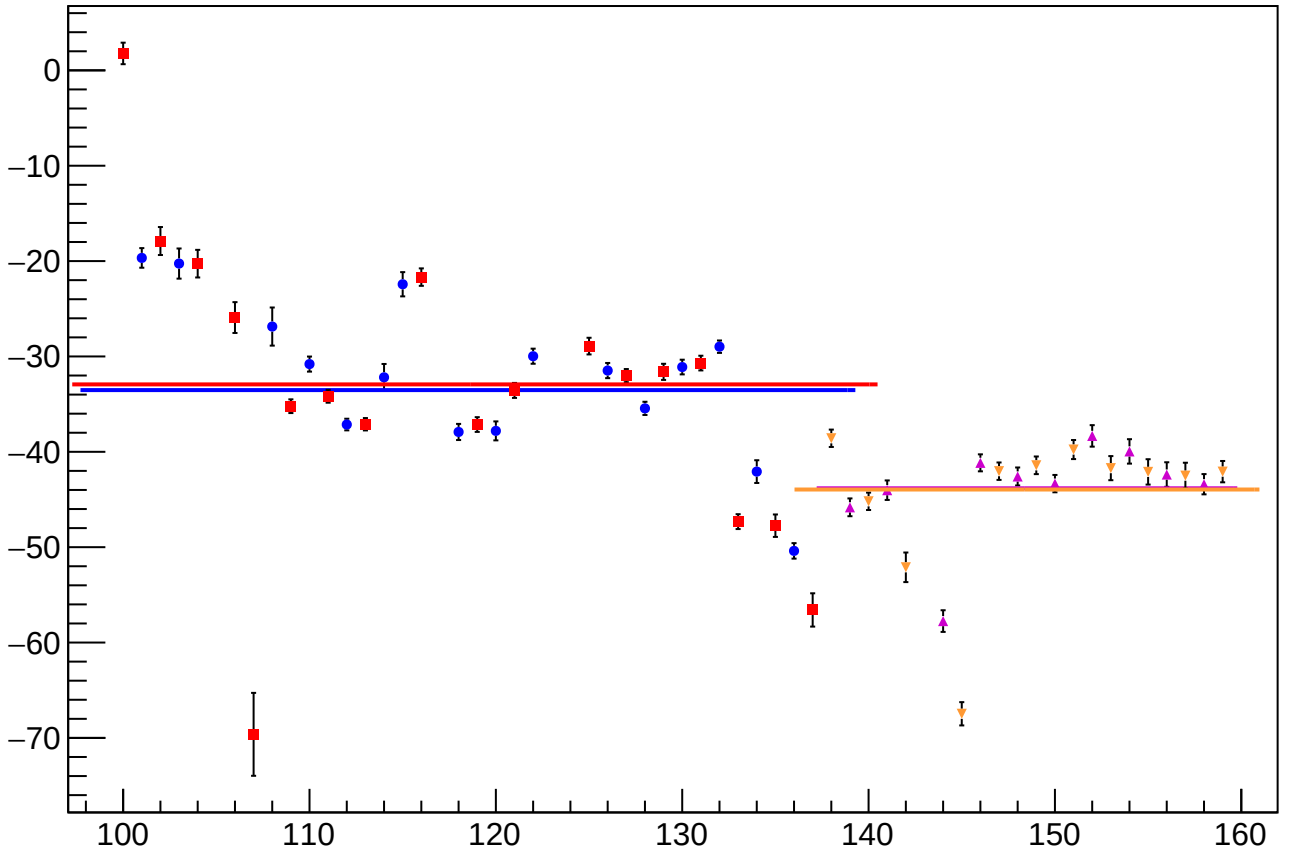
Left: -21.877+/-0.009 χ^2/NDF: 191744.5/20

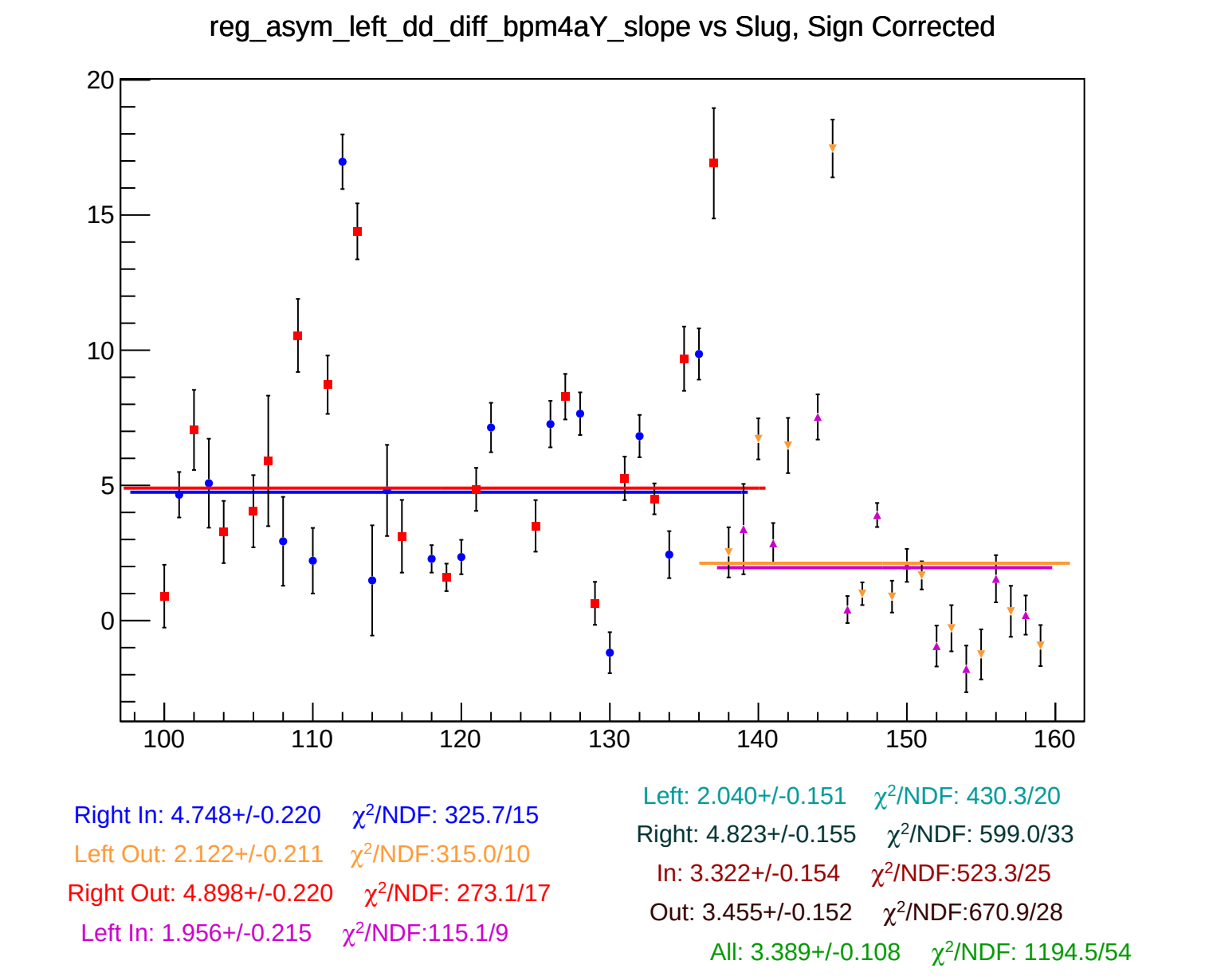
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.159+/-0.010 χ^2/NDF:112579.8/25

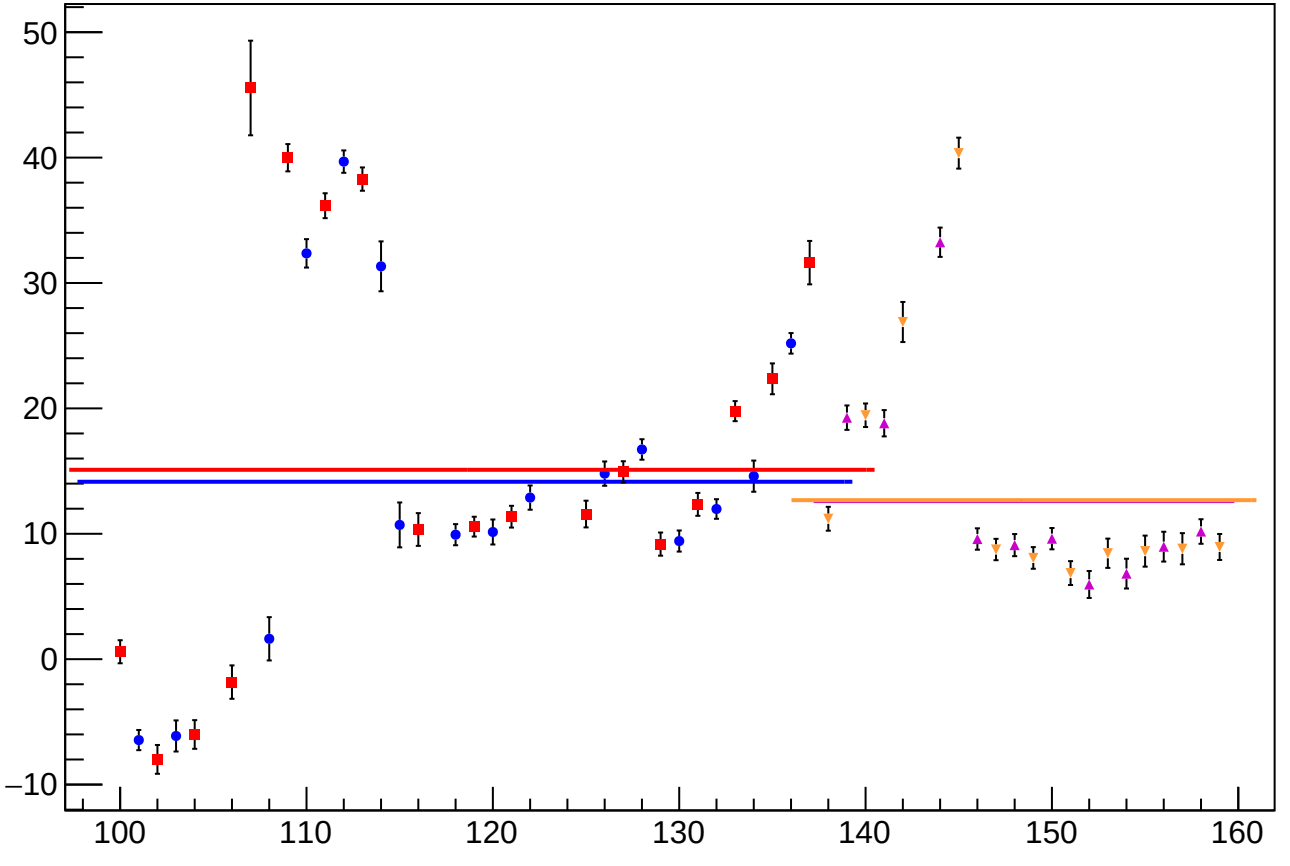
Out: -21.674+/-0.010 χ^2/NDF:164987.2/28

All: -21.411+/-0.007 χ^2/NDF: 278976.2/54


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -43.953+/-0.326 χ²/NDF:474.3/10
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.825+/-0.327 χ²/NDF:200.2/9
Left: -43.889+/-0.231 χ²/NDF: 674.7/20
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.707+/-0.182 χ²/NDF:1894.9/25
Out: -36.195+/-0.178 χ²/NDF:3447.9/28
All: -36.445+/-0.127 χ²/NDF: 5346.8/54


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 2.122+/-0.211 χ²/NDF:315.0/10
Right Out: 4.898+/-0.220 χ²/NDF: 273.1/17
Left In: 1.956+/-0.215 χ²/NDF:115.1/9
Left: 2.040+/-0.151 χ²/NDF: 430.3/20
Right: 4.823+/-0.155 χ²/NDF: 599.0/33
In: 3.322+/-0.154 χ²/NDF:523.3/25
Out: 3.455+/-0.152 χ²/NDF:670.9/28
All: 3.389+/-0.108 χ²/NDF: 1194.5/54

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 12.681+/-0.315 χ^2/NDF:769.2/10

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 12.607+/-0.315 χ^2/NDF:511.9/9

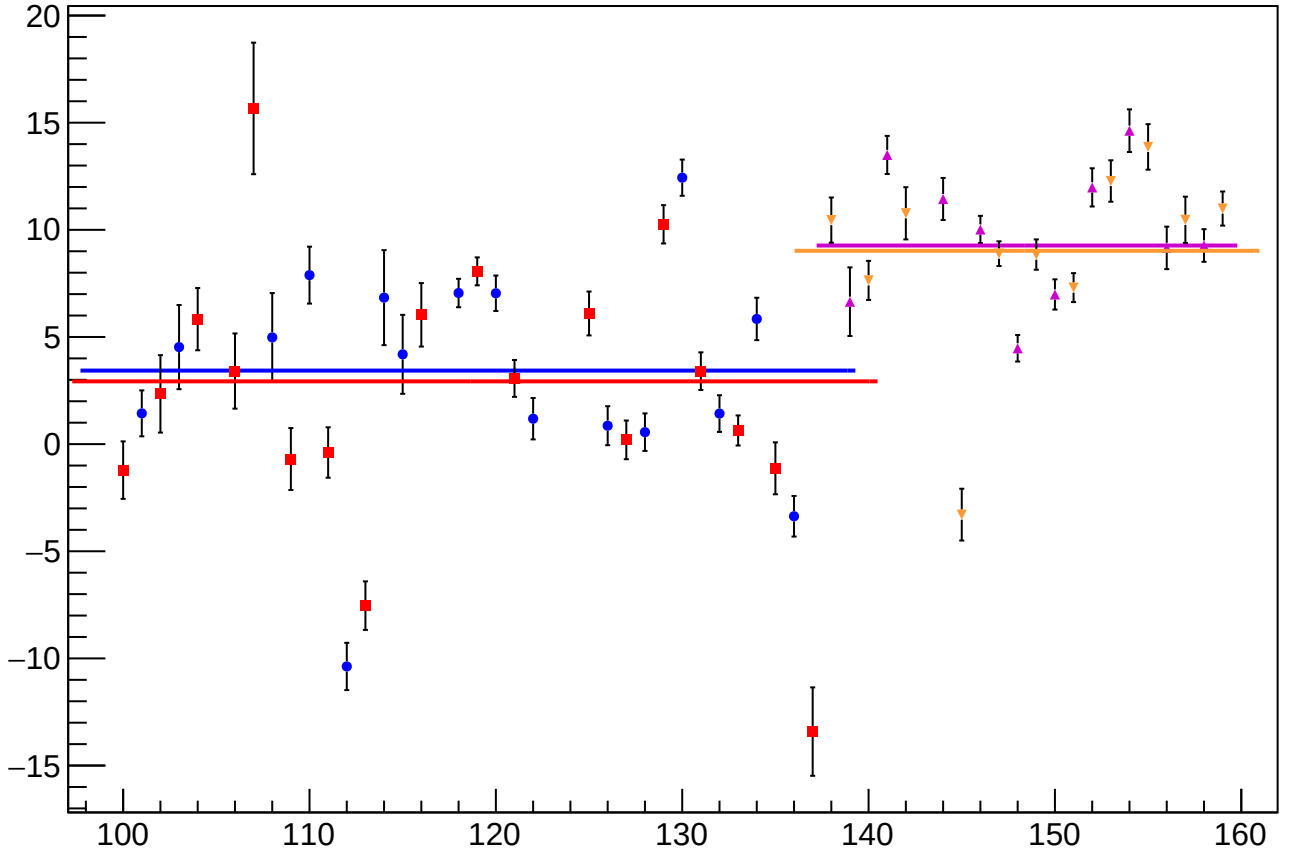
Left: 12.644+/-0.223 χ^2/NDF: 1281.1/20

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.562+/-0.195 χ^2/NDF:2929.1/25

Out: 14.205+/-0.192 χ^2/NDF:3908.7/28

All: 13.888+/-0.137 χ^2/NDF: 6843.3/54



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.021+/-0.258 χ^2/NDF:156.6/10

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.268+/-0.260 χ^2/NDF:140.4/9

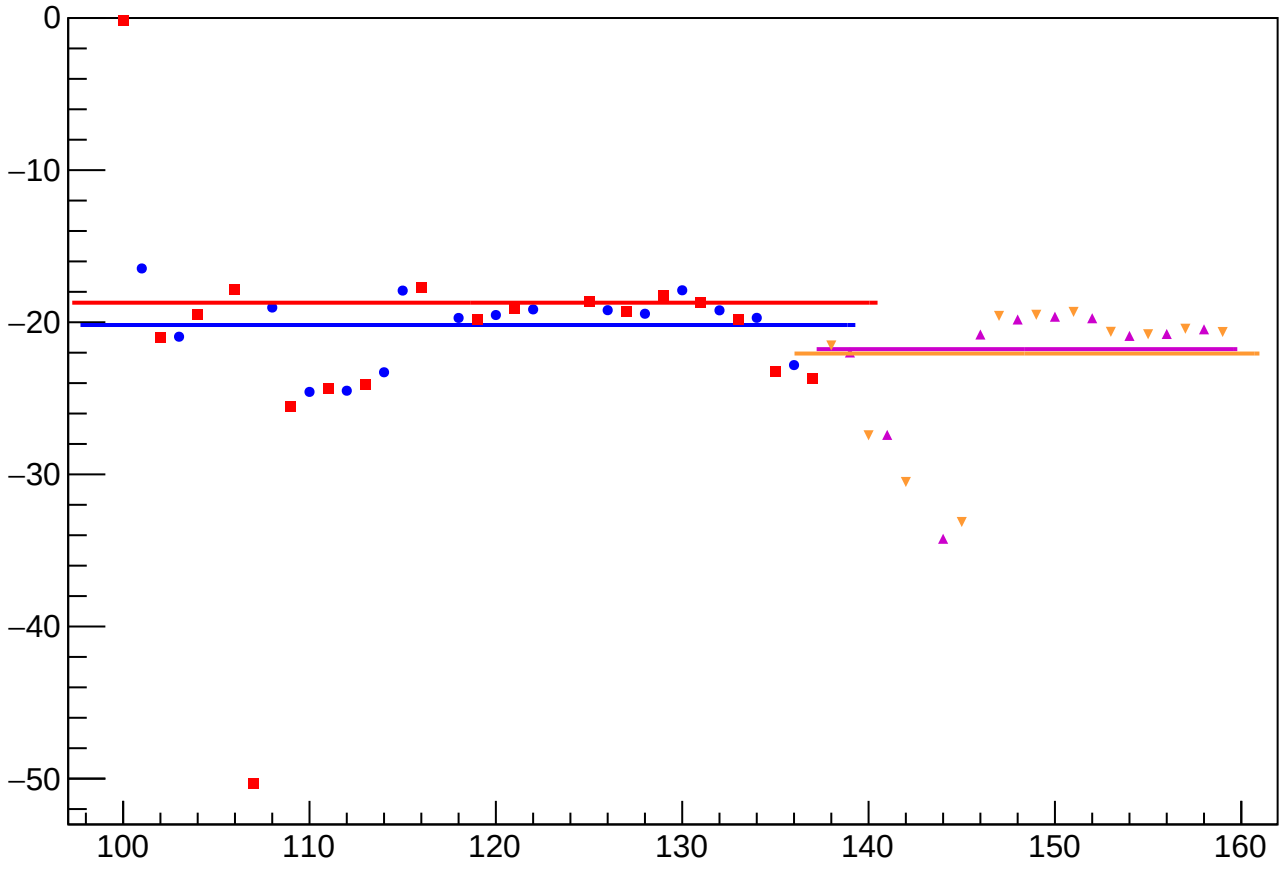
Left: 9.143+/-0.183 χ^2/NDF: 297.4/20

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 6.284+/-0.182 χ^2/NDF:822.0/25

Out: 5.922+/-0.181 χ^2/NDF:808.4/28

All: 6.102+/-0.128 χ^2/NDF: 1632.4/54



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.056+/-0.012 χ^2/NDF:104842.8/10

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.767+/-0.012 χ^2/NDF:86507.9/9

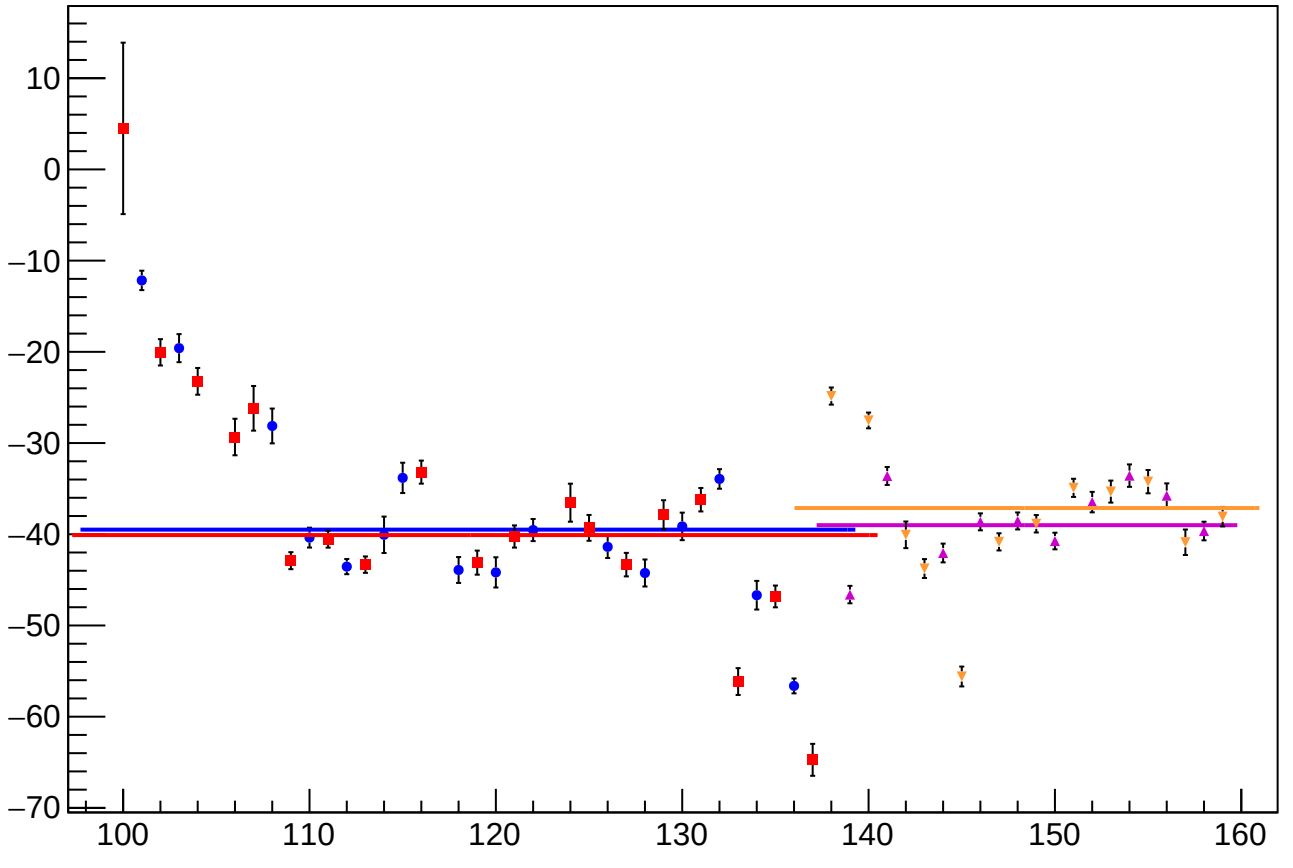
Left: -21.909+/-0.009 χ^2/NDF: 191635.3/20

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.199+/-0.010 χ^2/NDF:112637.1/25

Out: -20.780+/-0.010 χ^2/NDF:368008.1/28

All: -20.990+/-0.007 χ^2/NDF: 481593.8/54



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.124+/-0.307 χ^2/NDF:665.6/11

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -39.005+/-0.323 χ^2/NDF:137.2/9

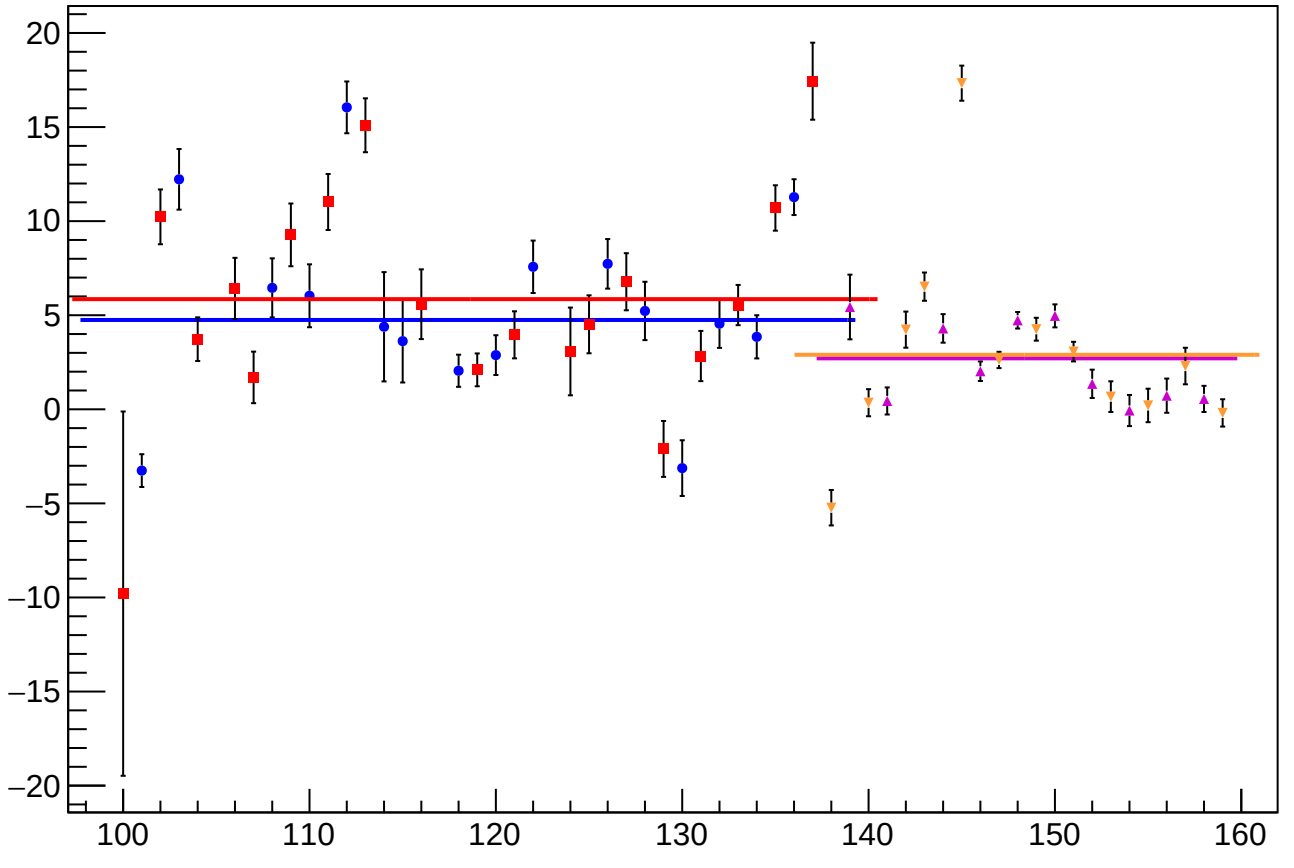
Left: -38.014+/-0.223 χ^2/NDF: 820.6/21

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.258+/-0.224 χ^2/NDF:1555.5/25

Out: -38.605+/-0.217 χ^2/NDF:1547.2/30

All: -38.921+/-0.156 χ^2/NDF: 3107.1/56



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.897+/-0.202 χ^2/NDF:392.4/11

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 2.708+/-0.213 χ^2/NDF:82.2/9

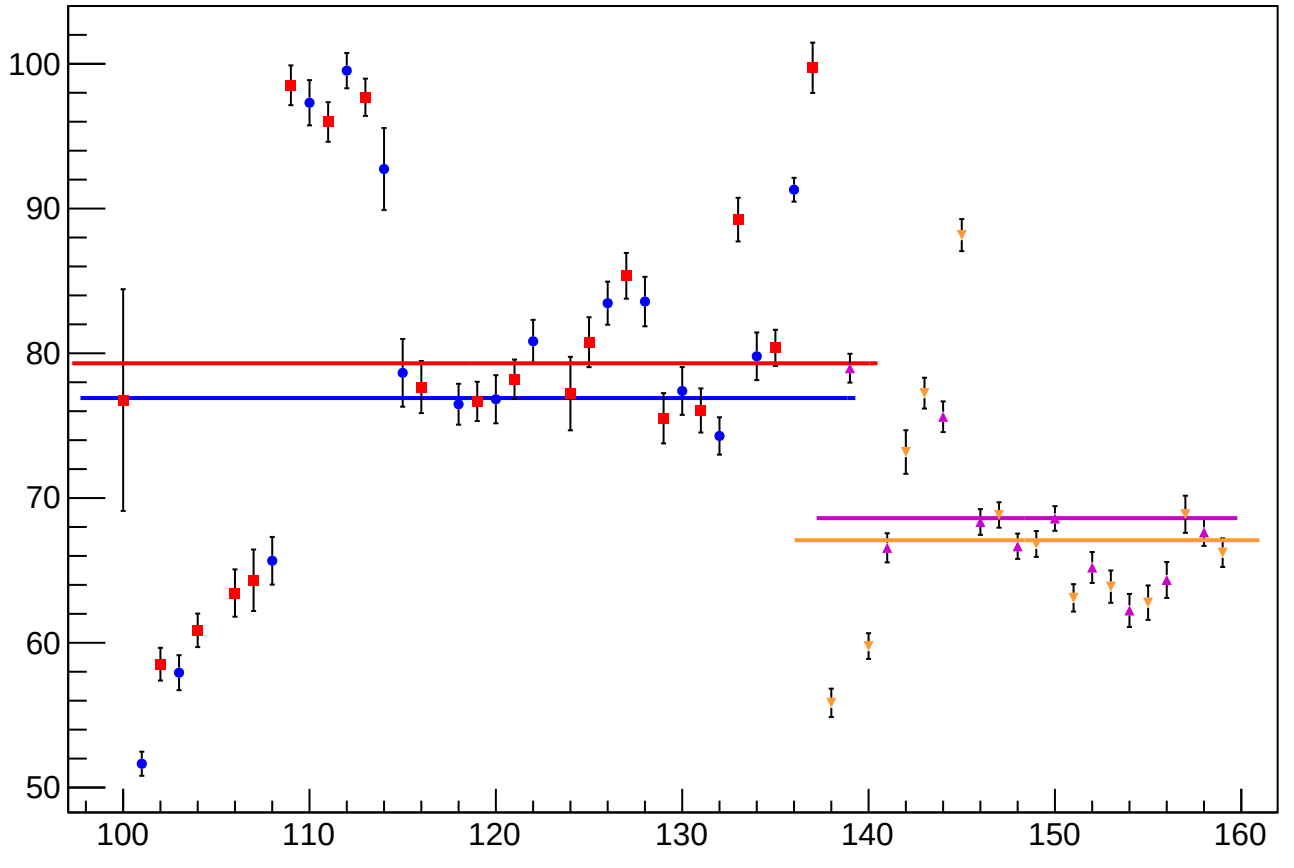
Left: 2.808+/-0.147 χ^2/NDF: 475.1/21

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.345+/-0.177 χ^2/NDF:384.7/25

Out: 3.725+/-0.171 χ^2/NDF:640.1/30

All: 3.541+/-0.123 χ^2/NDF: 1027.2/56



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.085+/-0.298 χ^2/NDF:713.8/11

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 68.612+/-0.312 χ^2/NDF:215.6/9

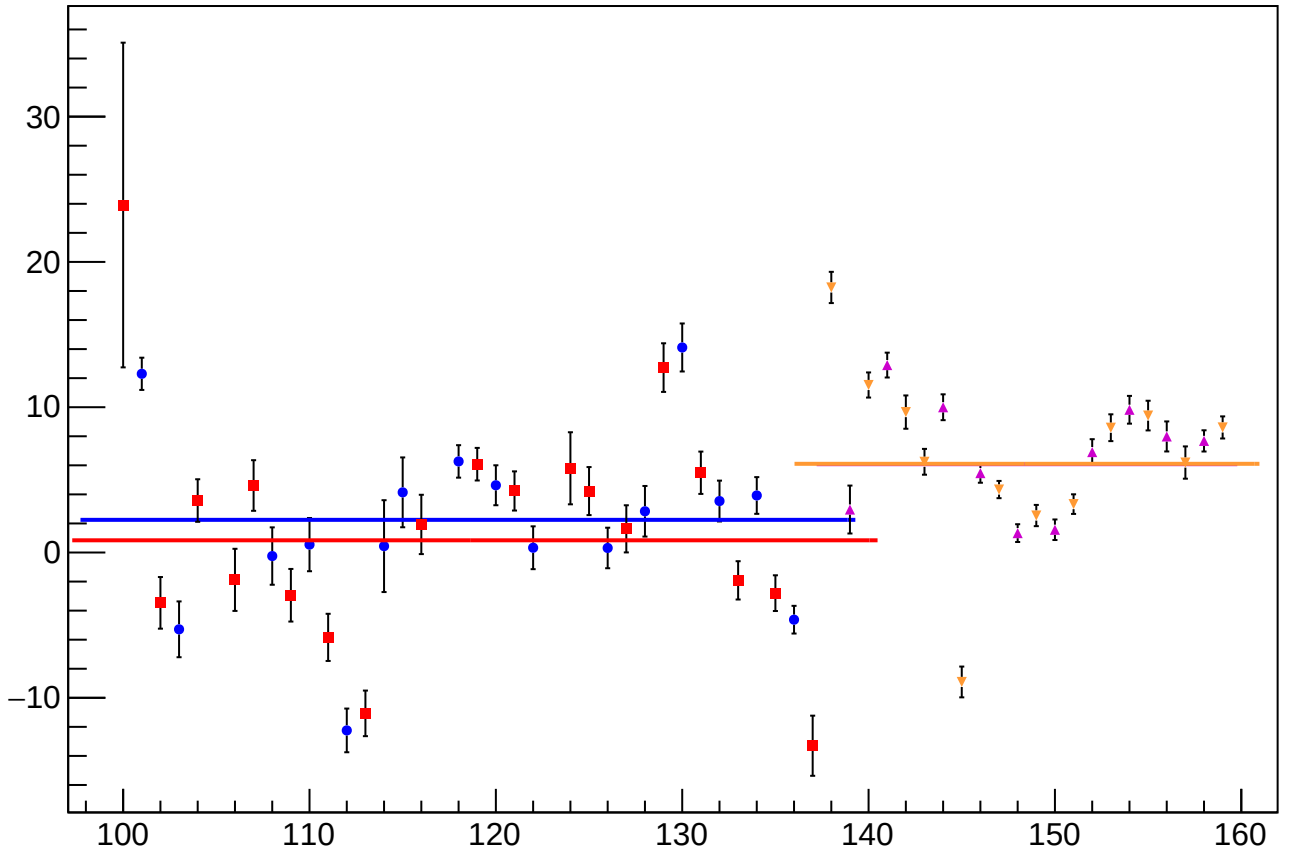
Left: 67.814+/-0.216 χ^2/NDF: 941.9/21

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 72.445+/-0.229 χ^2/NDF:2657.9/25

Out: 72.265+/-0.226 χ^2/NDF:2922.1/30

All: 72.354+/-0.161 χ^2/NDF: 5580.3/56



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 6.105+/-0.245 χ^2/NDF:455.4/11

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 6.079+/-0.257 χ^2/NDF:212.8/9

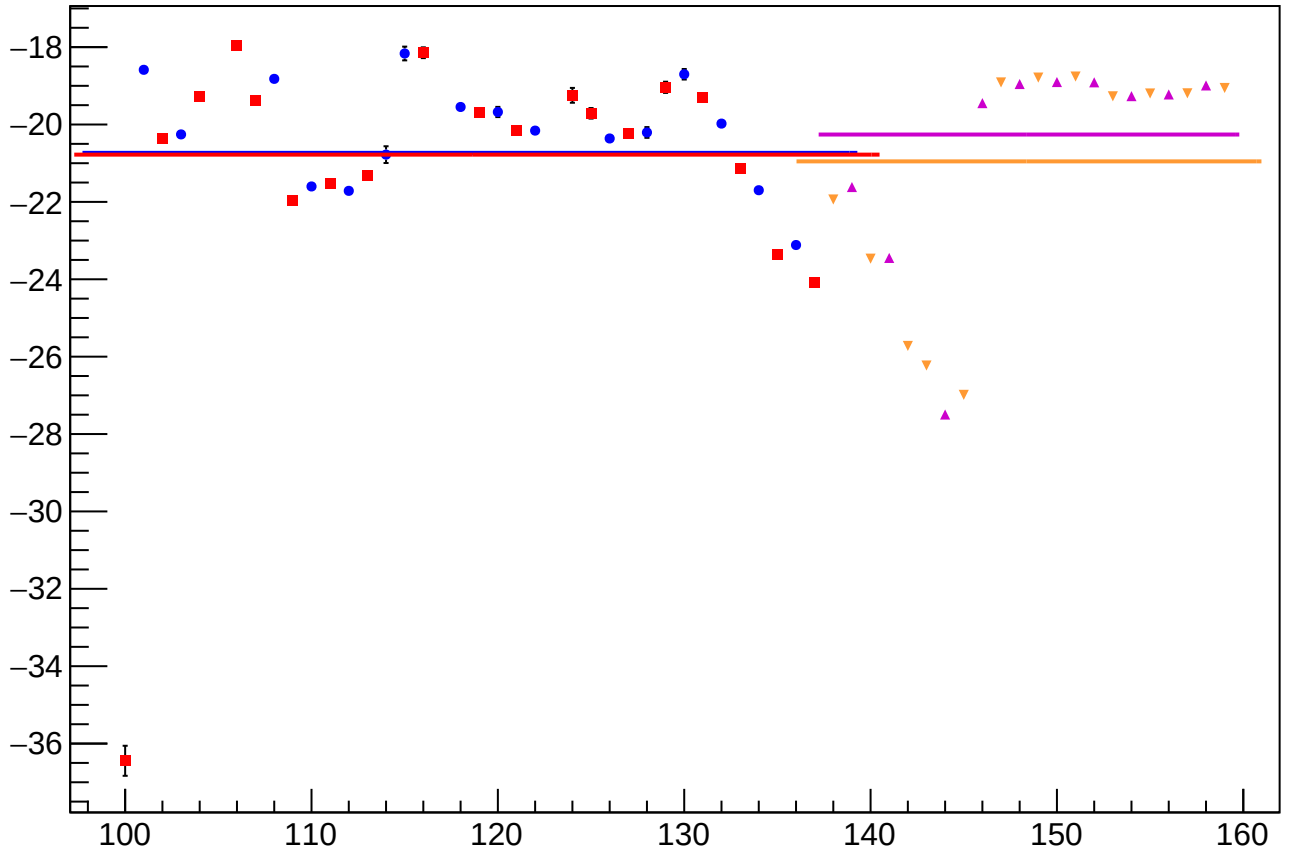
Left: 6.092+/-0.177 χ^2/NDF: 668.2/21

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.799+/-0.210 χ^2/NDF:606.5/25

Out: 4.515+/-0.204 χ^2/NDF:851.4/30

All: 4.653+/-0.146 χ^2/NDF: 1458.9/56



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.953+/-0.012 χ^2/NDF:61956.6/11

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.259+/-0.012 χ^2/NDF:38155.5/9

Left: -20.614+/-0.008 χ^2/NDF: 101851.5/21

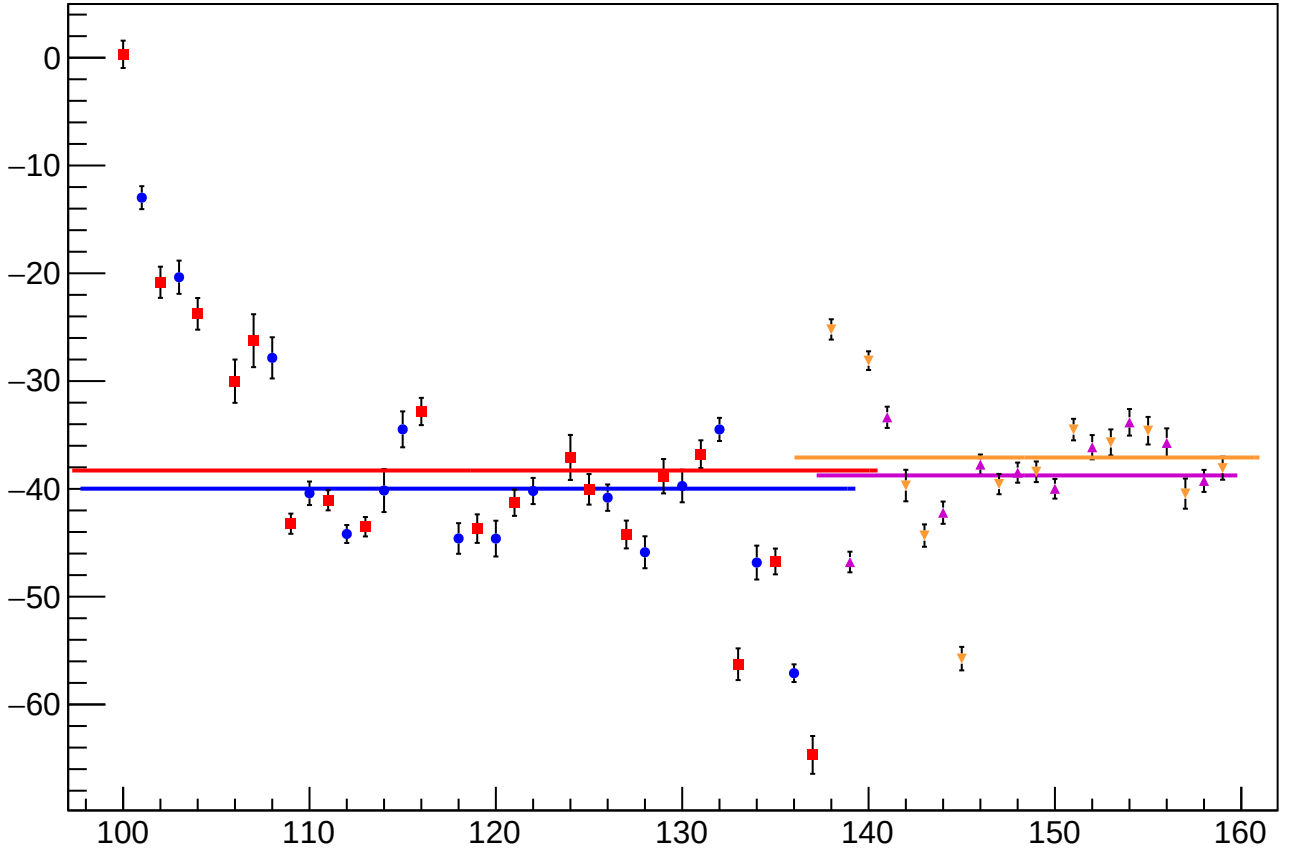
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.388+/-0.010 χ^2/NDF:46221.9/25

Out: -20.909+/-0.010 χ^2/NDF:71439.2/30

All: -20.650+/-0.007 χ^2/NDF: 118989.8/56

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.089+/-0.307 χ^2/NDF:638.5/11

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -38.752+/-0.324 χ^2/NDF:141.5/9

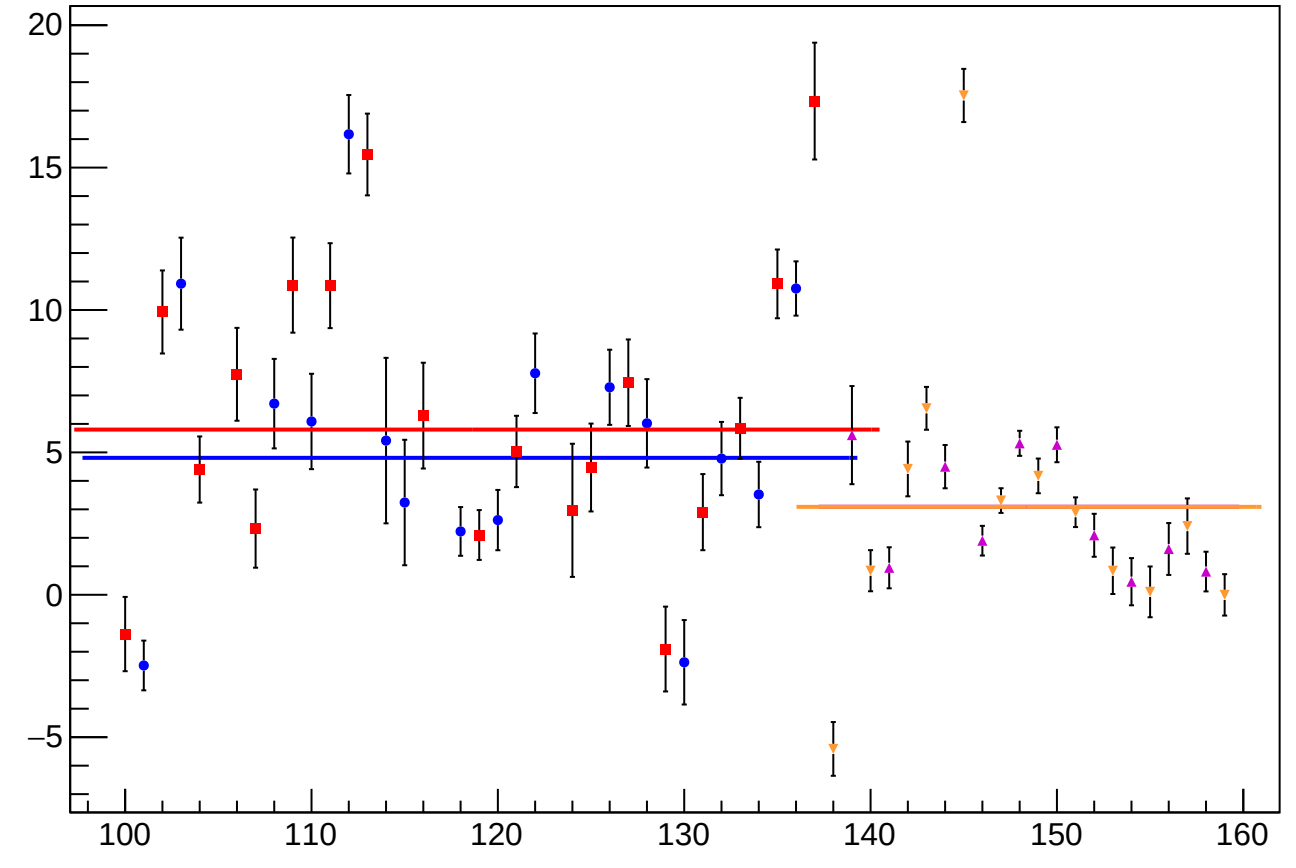
Left: -37.876+/-0.223 χ^2/NDF: 793.8/21

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.391+/-0.224 χ^2/NDF:1547.4/25

Out: -37.708+/-0.214 χ^2/NDF:2420.1/30

All: -38.511+/-0.155 χ^2/NDF: 3996.9/56



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.087+/-0.202 χ^2/NDF:394.2/11

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 3.091+/-0.213 χ^2/NDF:83.0/9

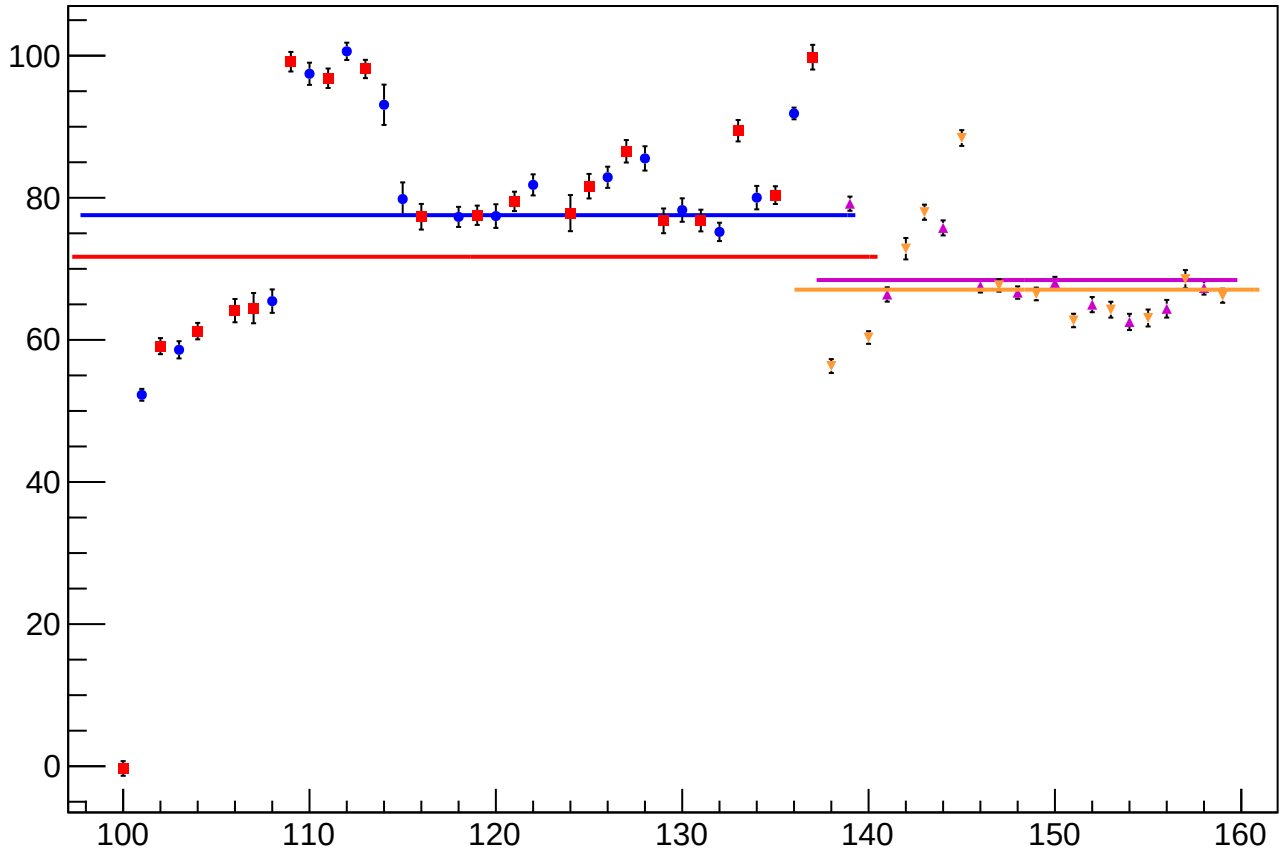
Left: 3.089+/-0.147 χ^2/NDF: 477.3/21

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 3.627+/-0.177 χ^2/NDF:343.8/25

Out: 3.879+/-0.170 χ^2/NDF:663.2/30

All: 3.758+/-0.123 χ^2/NDF: 1008.1/56



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.070+/-0.299 χ^2/NDF:707.0/11

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 68.424+/-0.313 χ^2/NDF:222.2/9

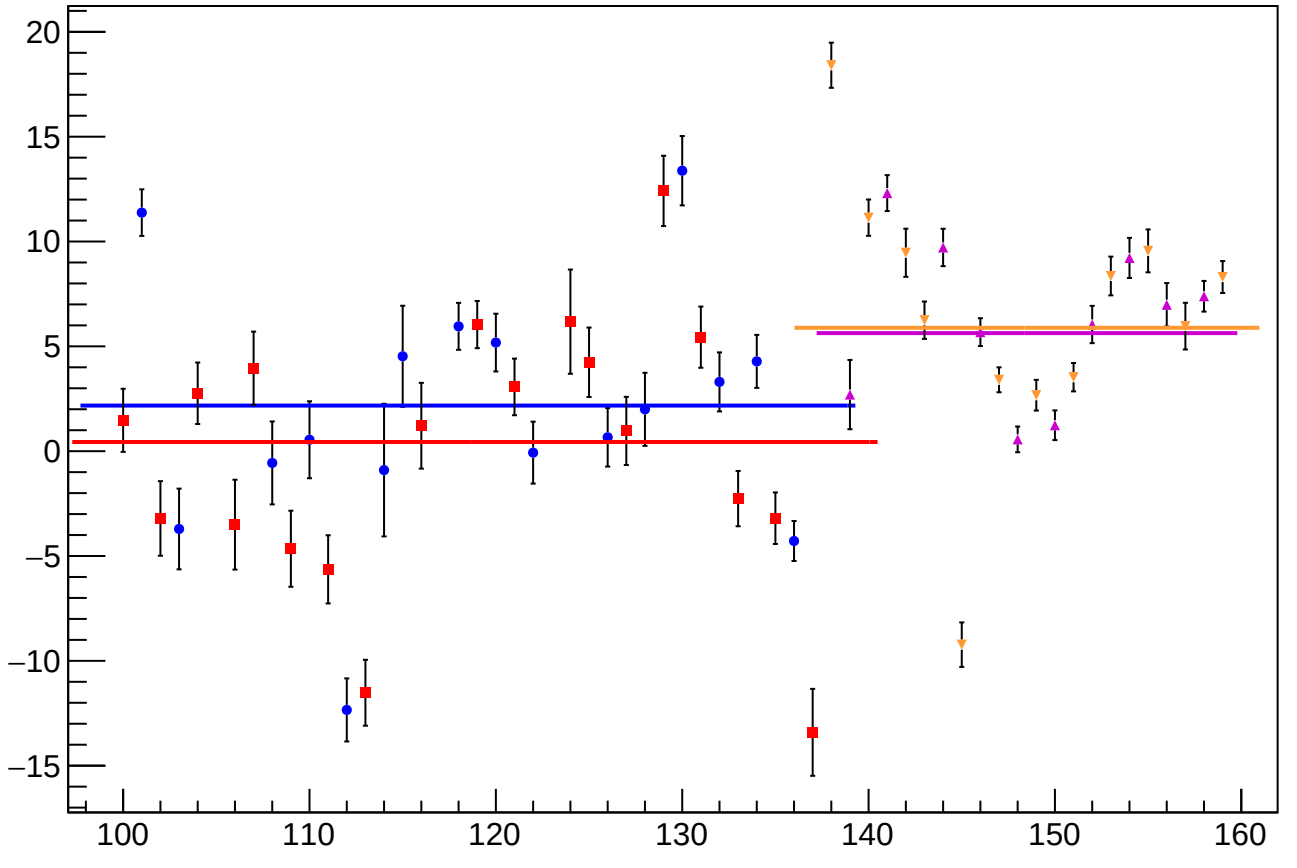
Left: 67.716+/-0.216 χ^2/NDF: 939.0/21

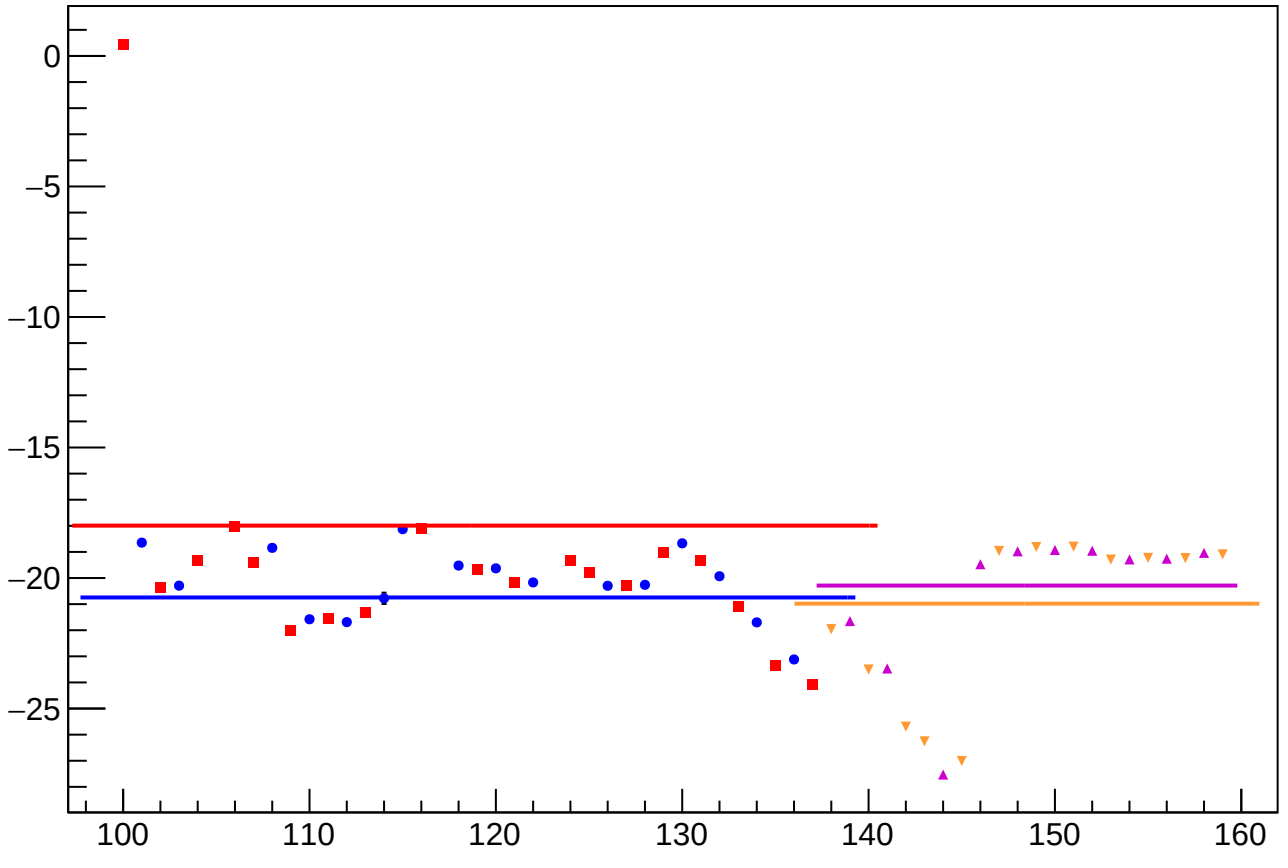
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 72.643+/-0.229 χ^2/NDF:2734.4/25

Out: 69.151+/-0.222 χ^2/NDF:7718.5/30

All: 70.837+/-0.159 χ^2/NDF: 10572.7/56


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
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 5.886+/-0.245 χ²/NDF:463.8/11
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 5.631+/-0.258 χ²/NDF:213.5/9
Left: 5.765+/-0.178 χ²/NDF: 677.8/21
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 4.476+/-0.210 χ²/NDF:564.0/25
Out: 4.173+/-0.203 χ²/NDF:873.3/30
All: 4.319+/-0.146 χ²/NDF: 1438.3/56



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.982+/-0.012 χ^2/NDF:61472.9/11

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -20.289+/-0.012 χ^2/NDF:37984.0/9

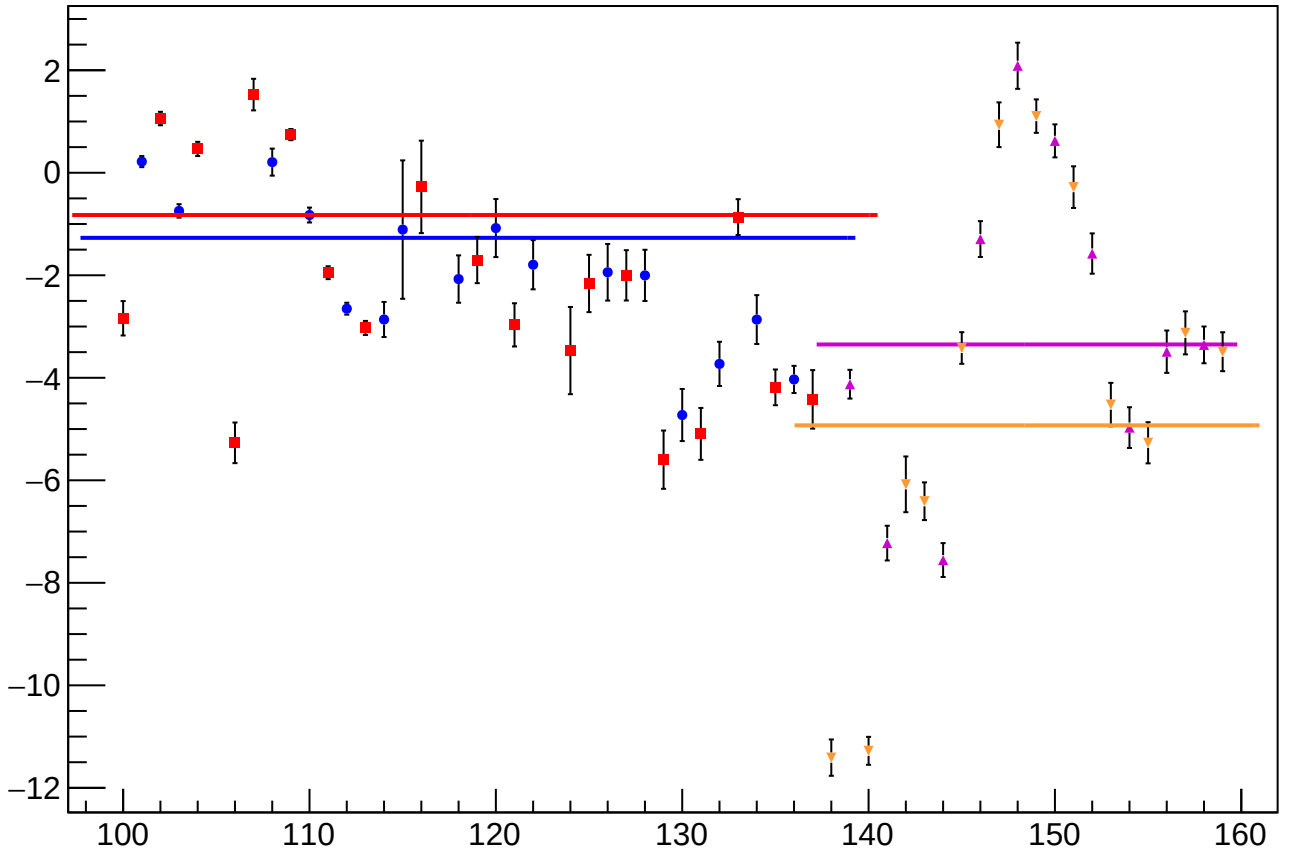
Left: -20.644+/-0.008 χ^2/NDF: 101185.2/21

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.414+/-0.010 χ^2/NDF:45895.7/25

Out: -20.158+/-0.010 χ^2/NDF:230211.8/30

All: -20.283+/-0.007 χ^2/NDF: 276431.5/56



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -4.928+/-0.107 χ^2/NDF:1608.7/11

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.350+/-0.112 χ^2/NDF:669.8/9

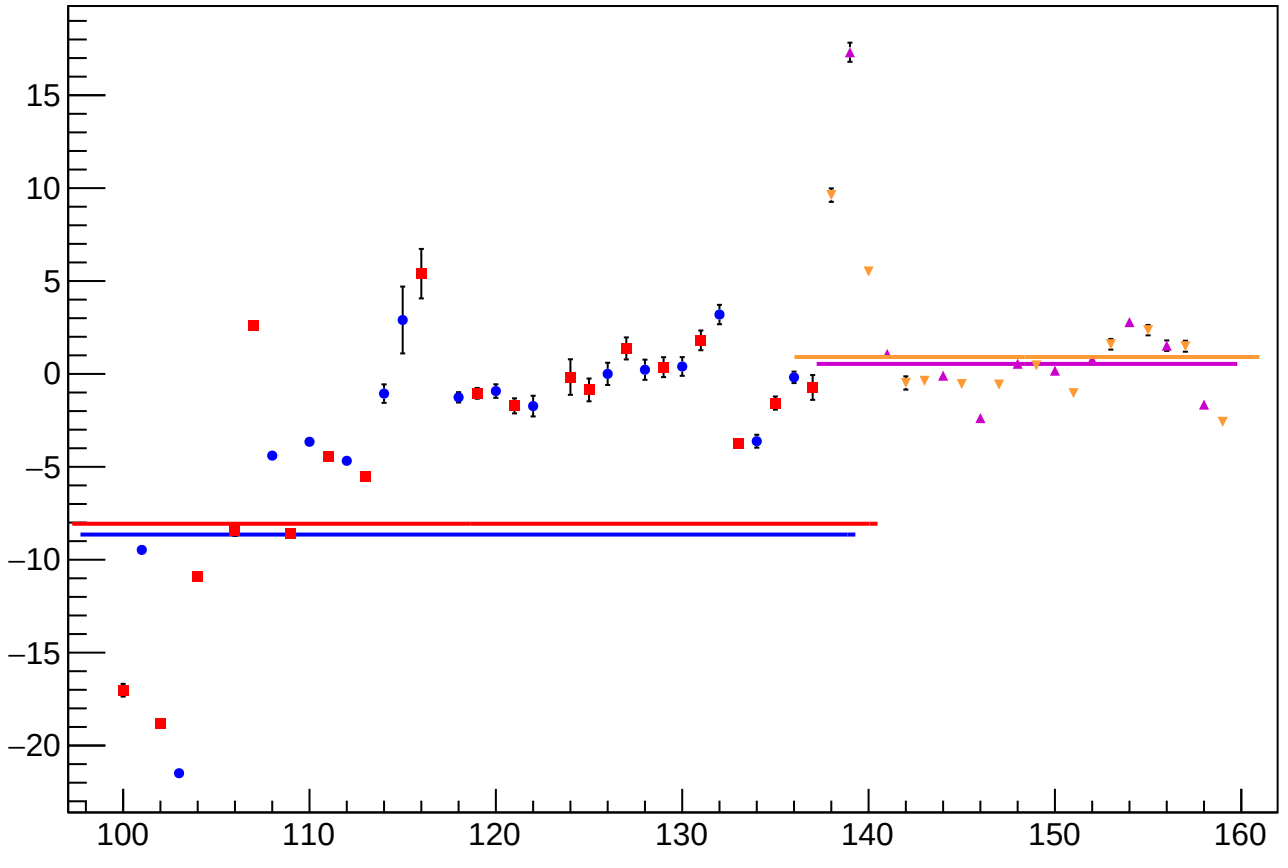
Left: -4.176+/-0.077 χ^2/NDF: 2382.5/21

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.668+/-0.049 χ^2/NDF:1565.2/25

Out: -1.588+/-0.046 χ^2/NDF:4195.2/30

All: -1.626+/-0.034 χ^2/NDF: 5761.8/56



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.911+/-0.074 χ^2/NDF:1395.4/11

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.540+/-0.079 χ^2/NDF:1425.2/9

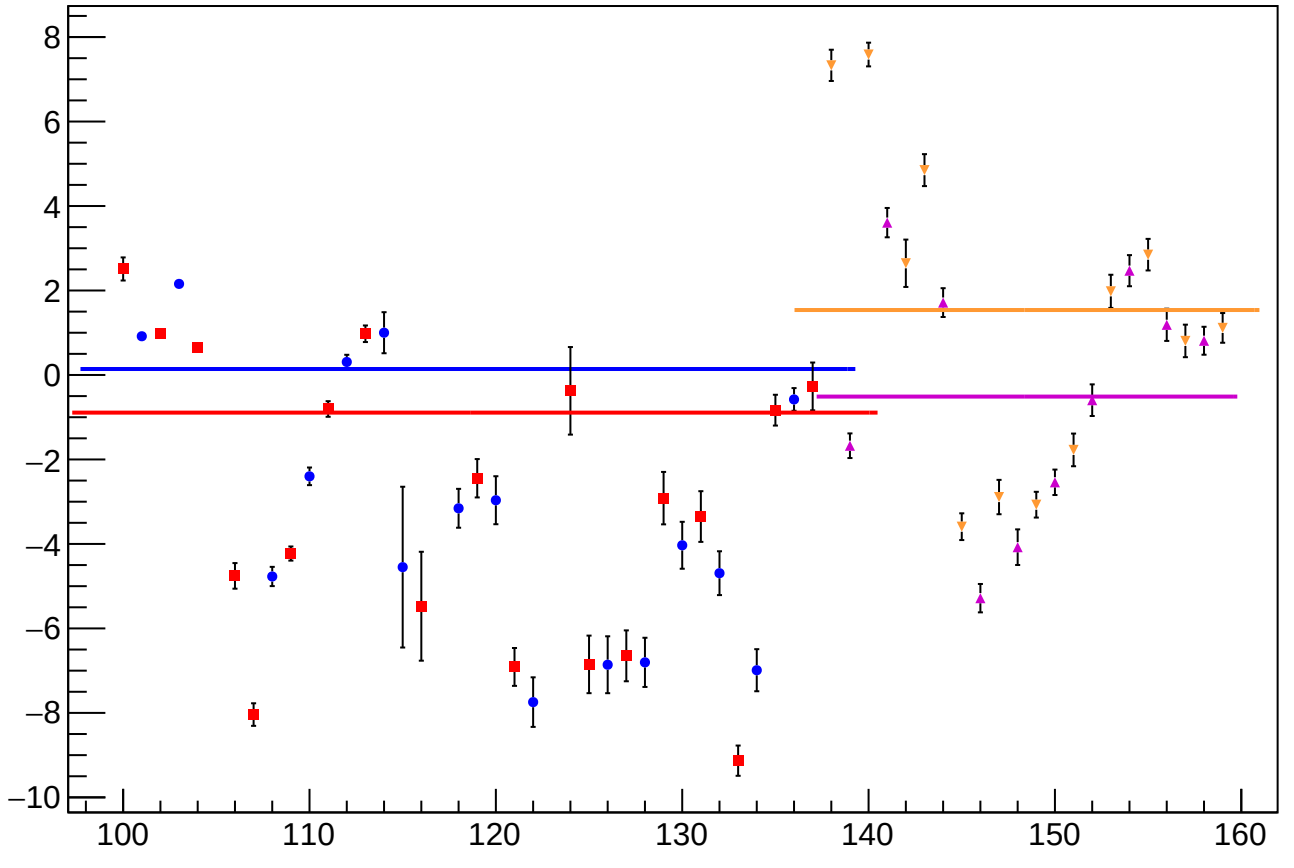
Left: 0.738+/-0.054 χ^2/NDF: 2832.2/21

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.529+/-0.046 χ^2/NDF:24080.6/25

Out: -4.704+/-0.045 χ^2/NDF:24939.0/30

All: -5.109+/-0.032 χ^2/NDF: 49181.1/56



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.538+/-0.104 χ^2/NDF:1491.8/11

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -0.512+/-0.109 χ^2/NDF:619.0/9

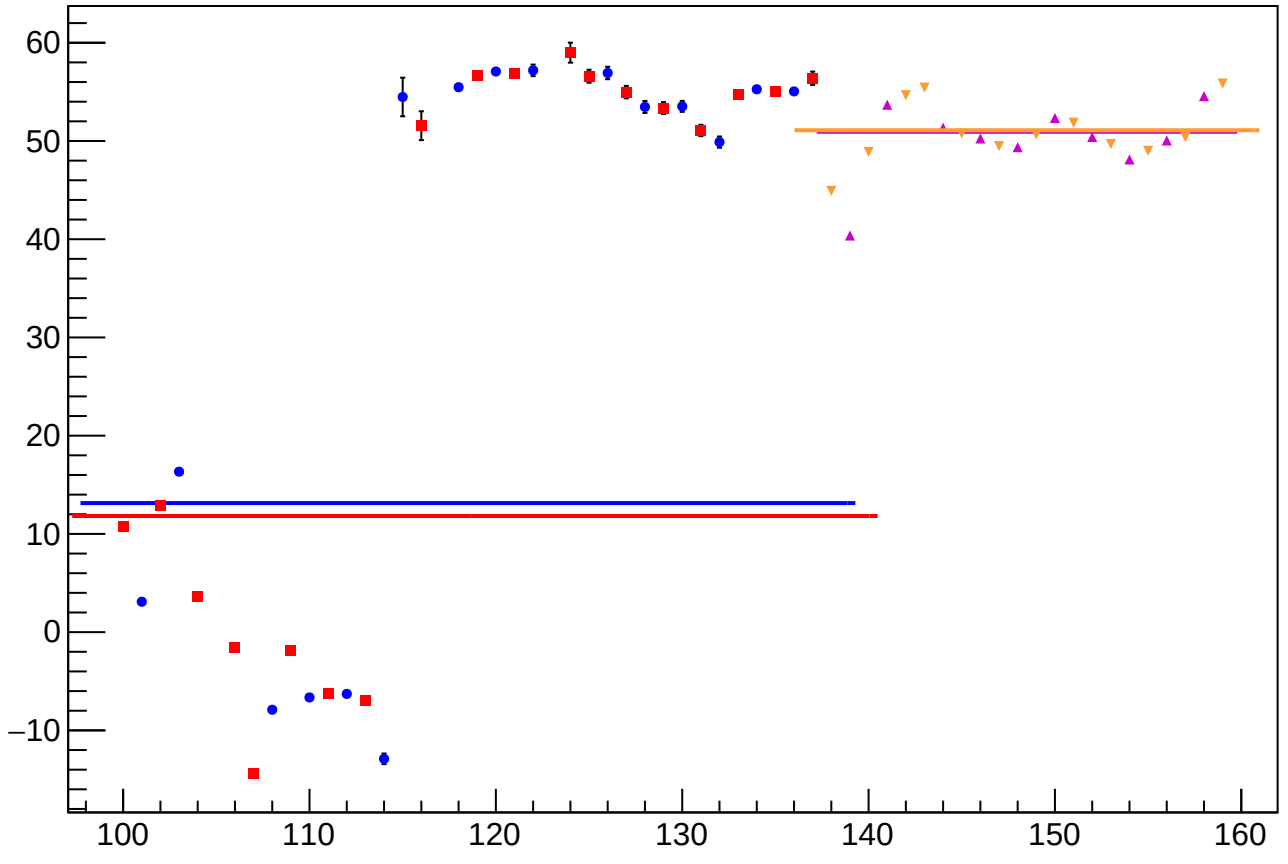
Left: 0.556+/-0.075 χ^2/NDF: 2296.0/21

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.016+/-0.048 χ^2/NDF:2607.9/25

Out: -0.383+/-0.048 χ^2/NDF:4907.1/30

All: -0.183+/-0.034 χ^2/NDF: 7550.0/56



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.093+/-0.088 χ^2/NDF:968.1/11

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.935+/-0.093 χ^2/NDF:901.9/9

Left: 51.019+/-0.064 χ^2/NDF: 1871.5/21

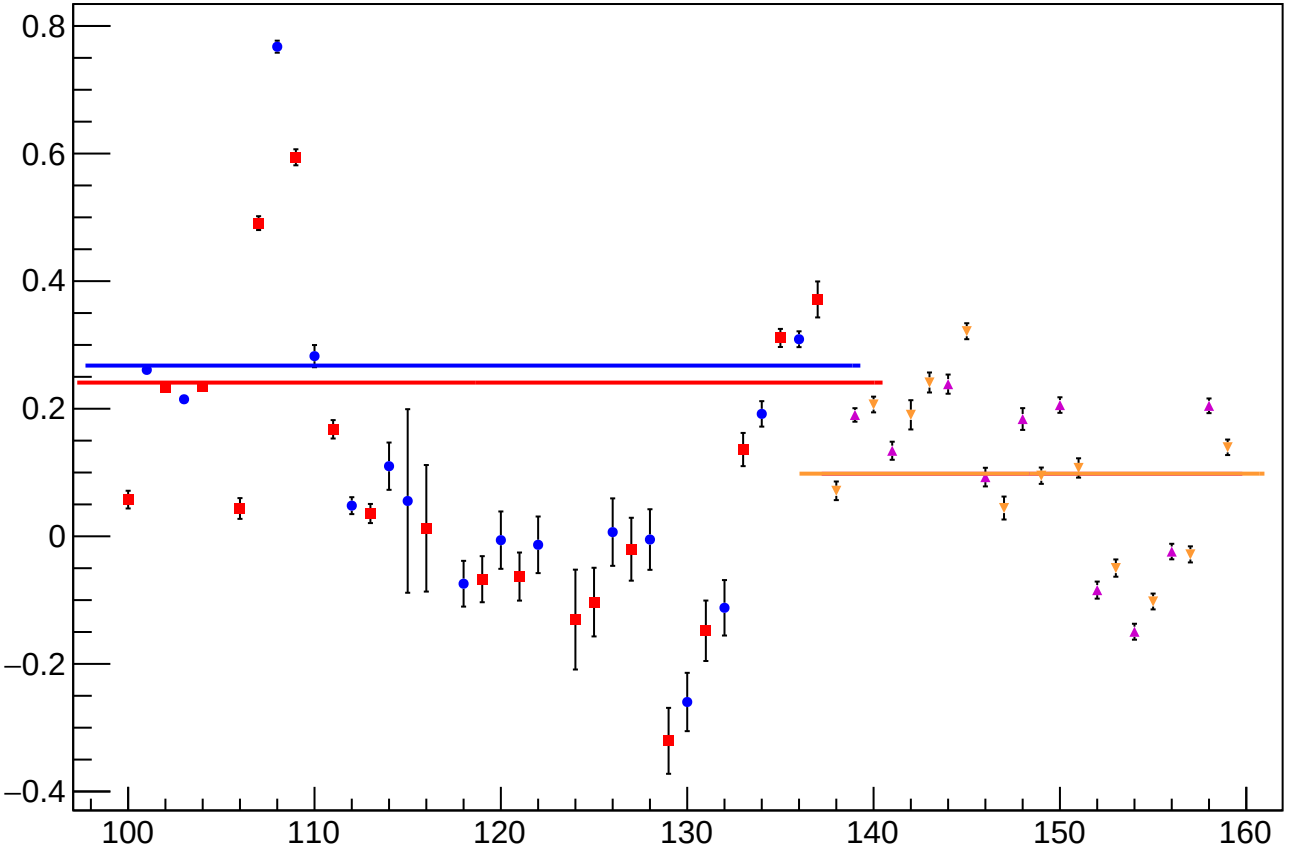
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 26.237+/-0.055 χ^2/NDF:216751.3/25

Out: 26.431+/-0.054 χ^2/NDF:243766.0/30

All: 26.336+/-0.038 χ^2/NDF: 460523.7/56

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: 0.098+/-0.004 χ^2/NDF:1000.6/11

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.098+/-0.004 χ^2/NDF:1038.4/9

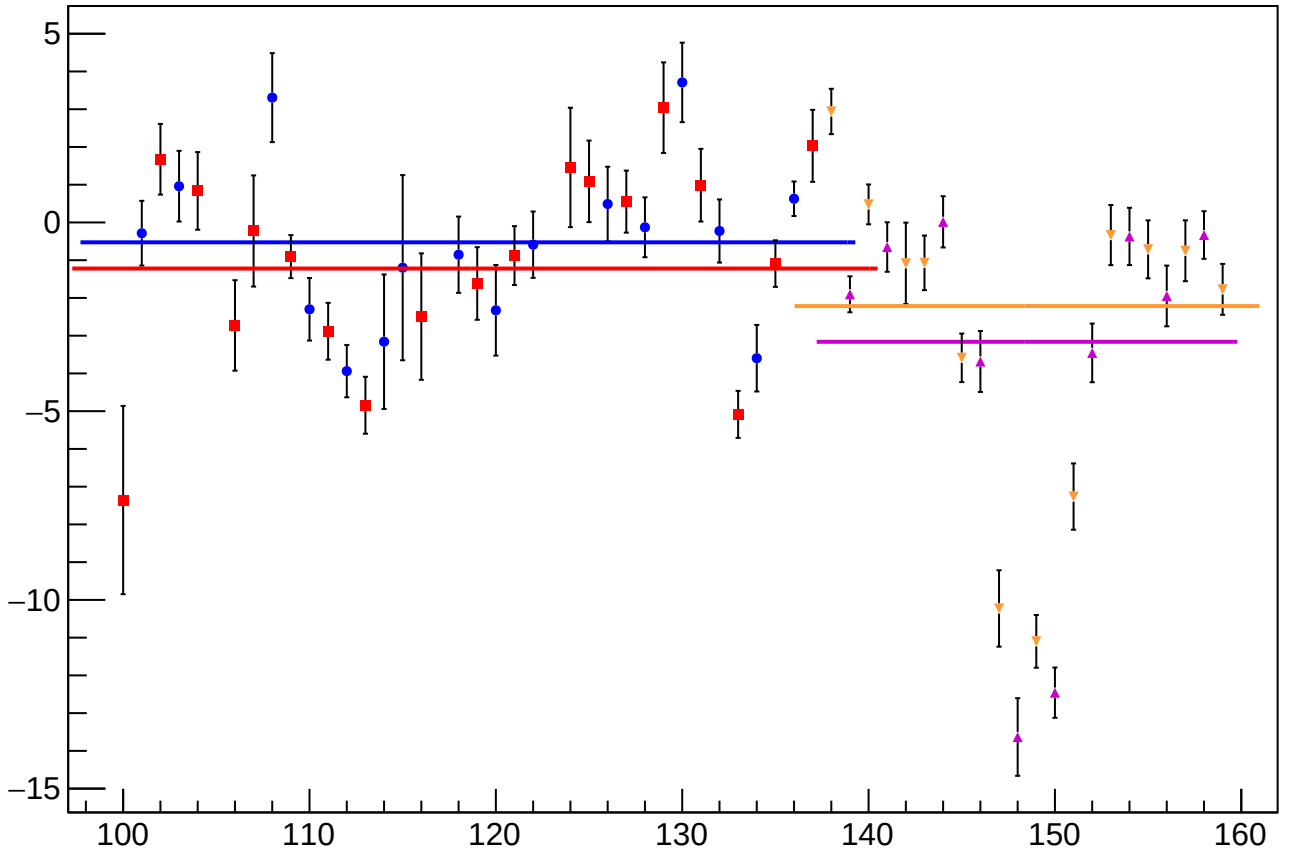
Left: 0.098+/-0.003 χ^2/NDF: 2039.0/21

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.214+/-0.002 χ^2/NDF:5928.8/25

Out: 0.195+/-0.002 χ^2/NDF:4202.4/30

All: 0.204+/-0.002 χ^2/NDF: 10163.8/56



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.215+/-0.209 χ^2/NDF:378.3/11

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -3.162+/-0.218 χ^2/NDF:378.3/9

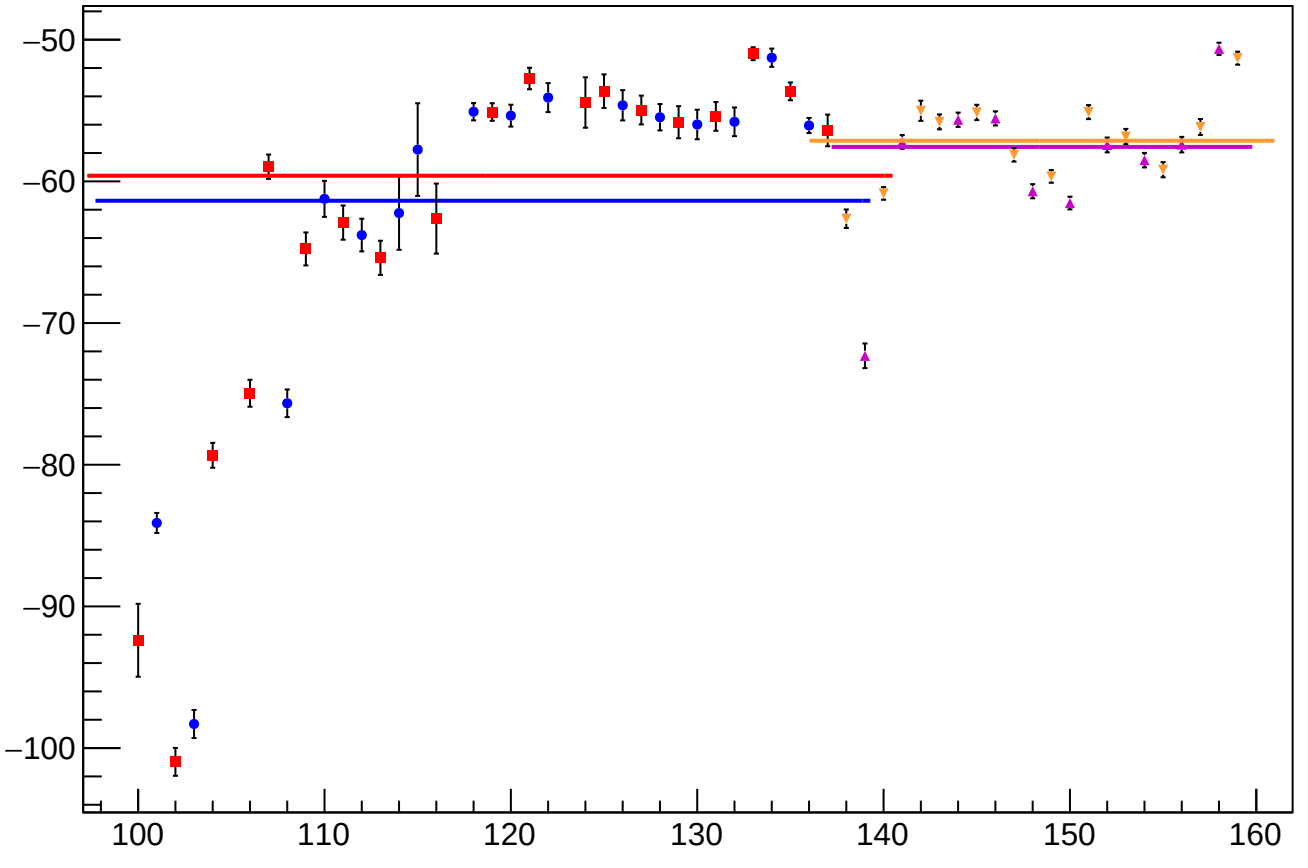
Left: -2.669+/-0.151 χ^2/NDF: 766.3/21

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.840+/-0.154 χ^2/NDF:534.4/25

Out: -1.707+/-0.146 χ^2/NDF:520.7/30

All: -1.770+/-0.106 χ^2/NDF: 1055.6/56



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.131+/-0.150 χ^2/NDF:399.6/11

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -57.566+/-0.161 χ^2/NDF:693.8/9

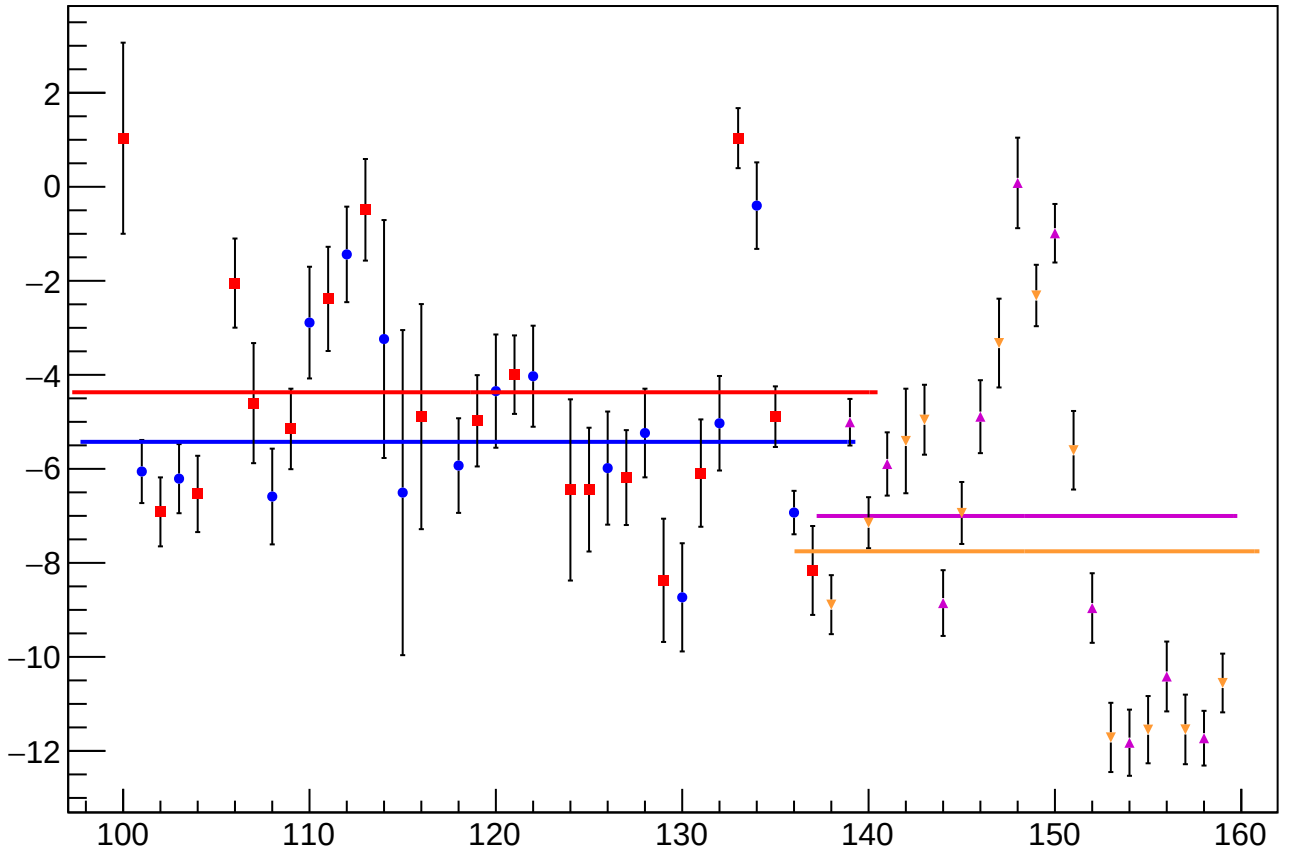
Left: -57.333+/-0.110 χ^2/NDF: 1097.2/21

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.900+/-0.130 χ^2/NDF:4240.4/25

Out: -57.983+/-0.121 χ^2/NDF:3914.5/30

All: -58.411+/-0.089 χ^2/NDF: 8181.6/56



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.754+/-0.204 χ^2/NDF:226.1/11

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -7.002+/-0.212 χ^2/NDF:321.8/9

Left: -7.392+/-0.147 χ^2/NDF: 554.4/21

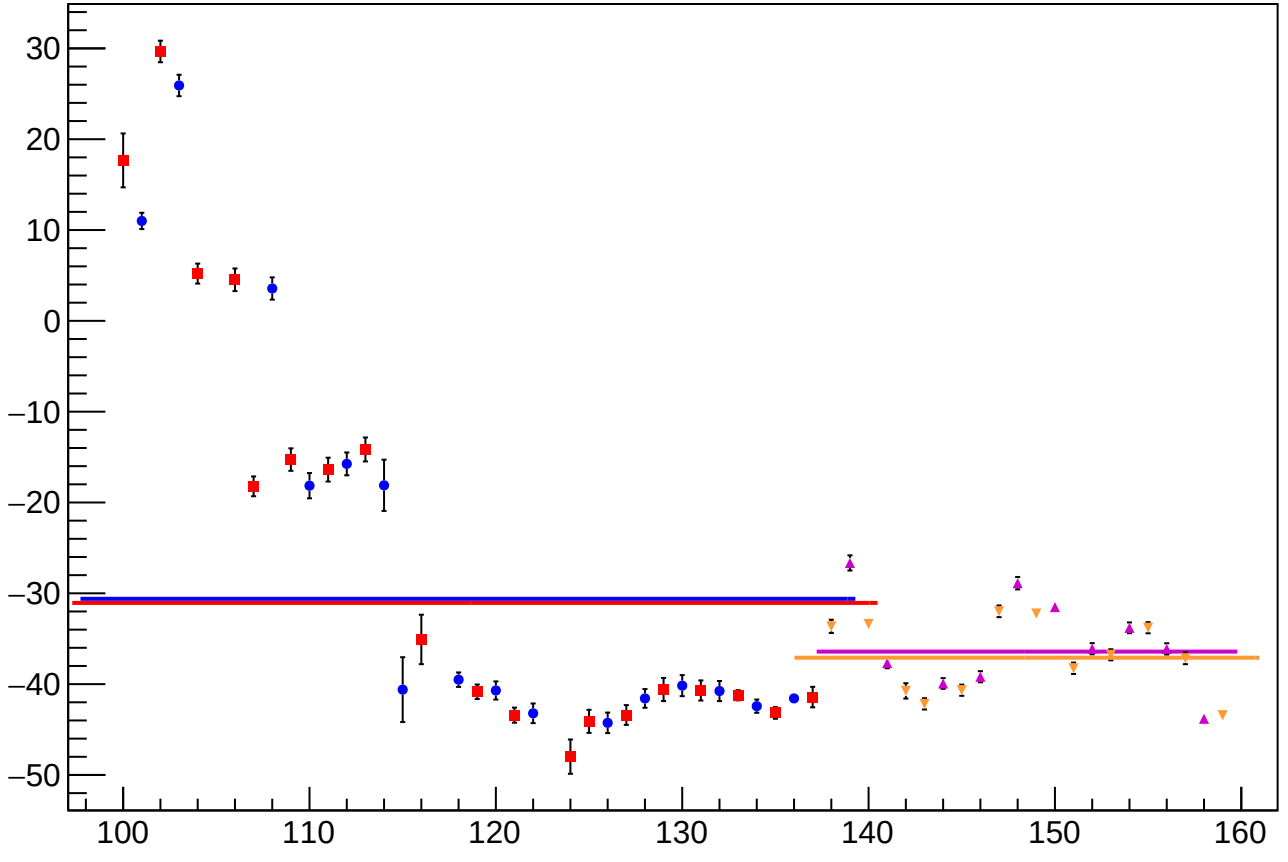
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -6.278+/-0.156 χ^2/NDF:423.2/25

Out: -6.205+/-0.151 χ^2/NDF:508.1/30

All: -6.240+/-0.108 χ^2/NDF: 931.4/56

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: -37.089+/-0.176 χ^2/NDF:540.4/11

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -36.418+/-0.186 χ^2/NDF:692.0/9

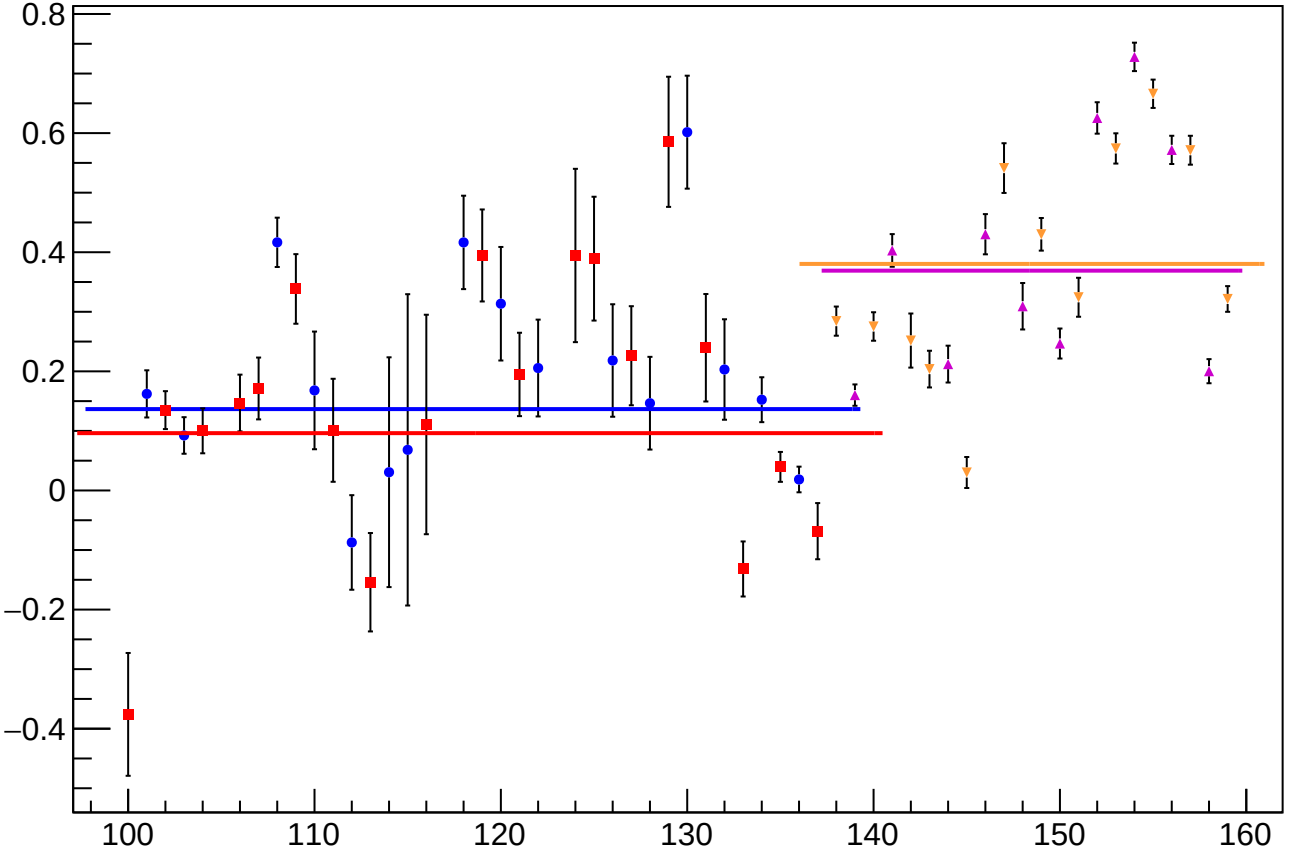
Left: -36.773+/-0.128 χ^2/NDF: 1239.3/21

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -34.334+/-0.149 χ^2/NDF:7978.6/25

Out: -34.960+/-0.141 χ^2/NDF:7933.4/30

All: -34.664+/-0.103 χ^2/NDF: 15921.2/56



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.380+/-0.008 χ^2/NDF:549.8/11

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.369+/-0.008 χ^2/NDF:655.5/9

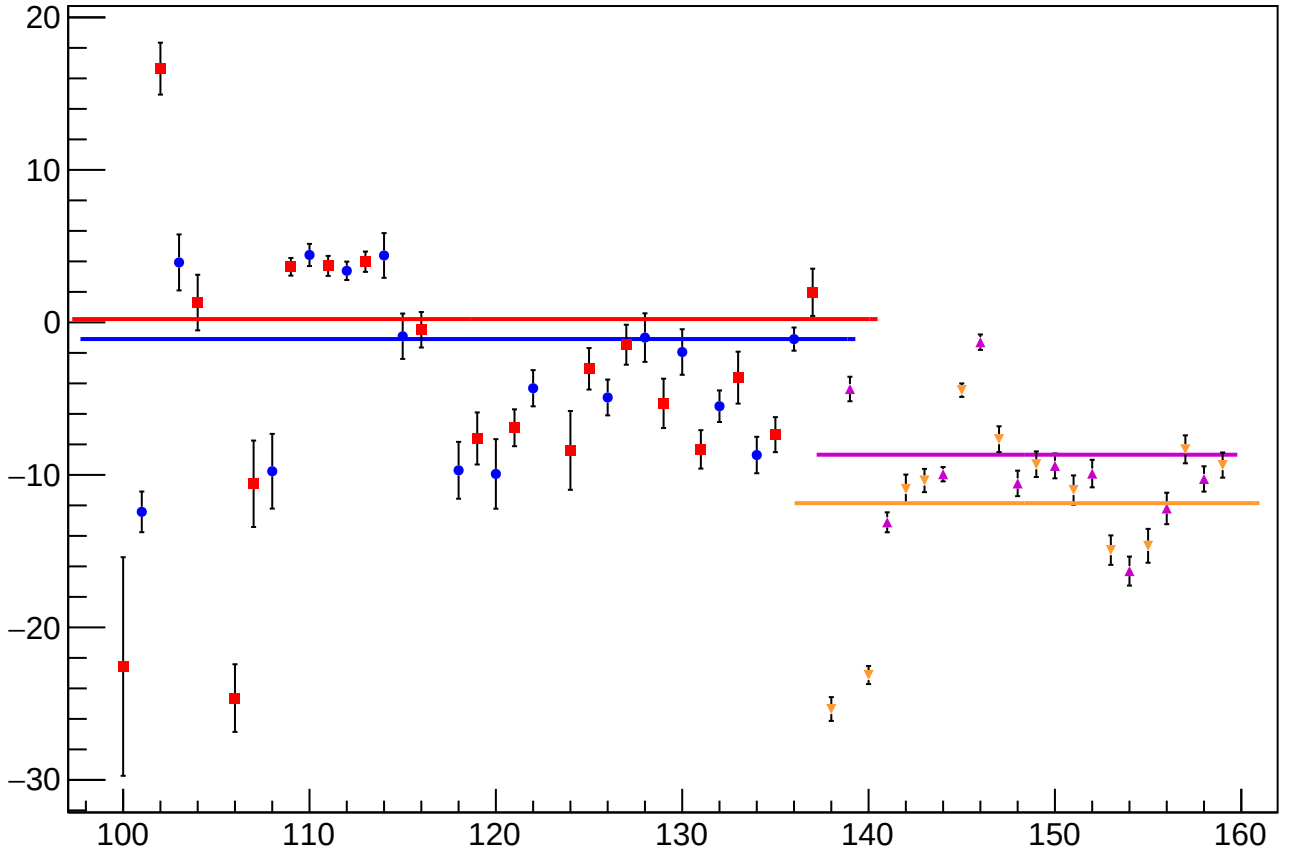
Left: 0.375+/-0.006 χ^2/NDF: 1206.3/21

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.303+/-0.007 χ^2/NDF:1031.7/25

Out: 0.299+/-0.007 χ^2/NDF:1076.3/30

All: 0.301+/-0.005 χ^2/NDF: 2108.1/56



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -11.854+/-0.219 χ^2/NDF:1022.1/11

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -8.676+/-0.224 χ^2/NDF:381.3/9

Left: -10.303+/-0.157 χ^2/NDF: 1506.3/21

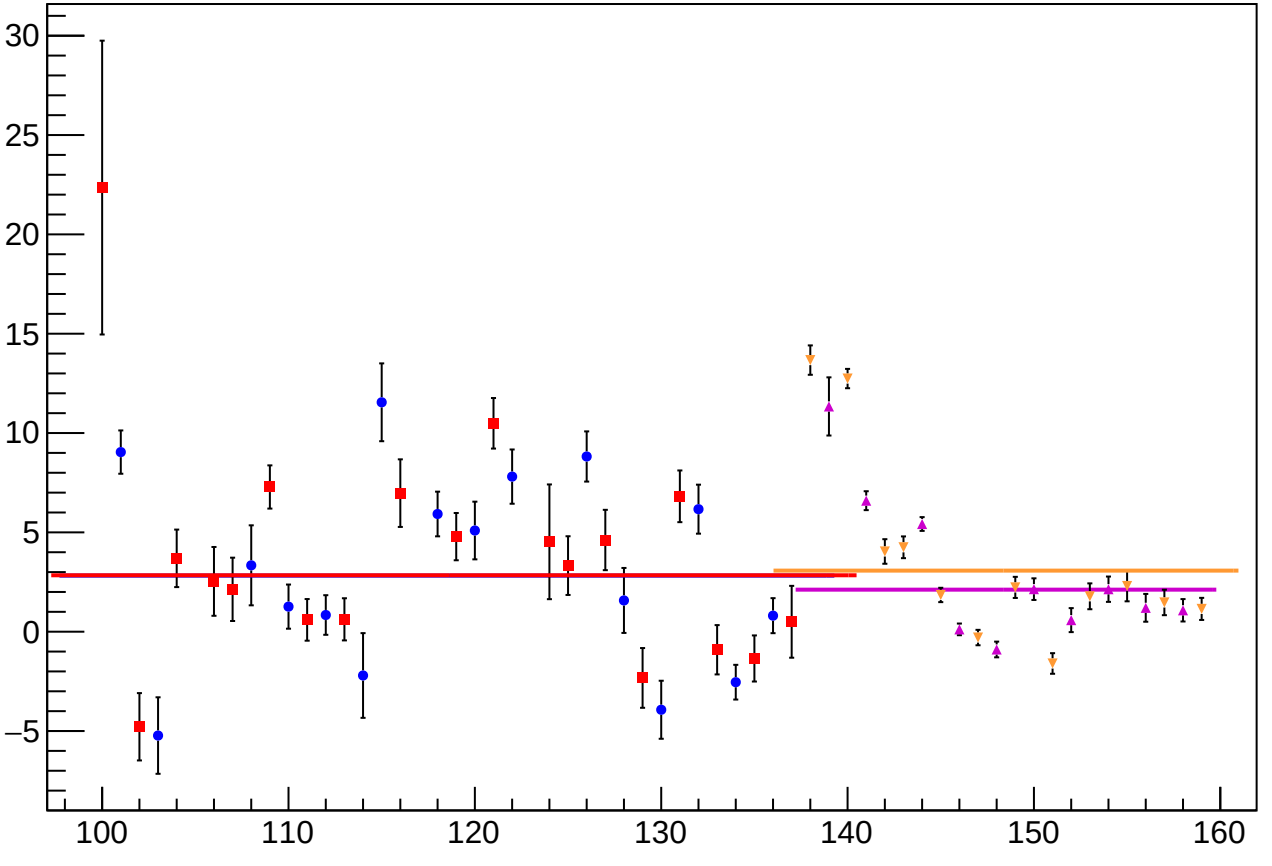
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -5.723+/-0.175 χ^2/NDF:1159.4/25

Out: -6.989+/-0.169 χ^2/NDF:2770.3/30

All: -6.379+/-0.122 χ^2/NDF: 3956.8/56

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: 3.075+/-0.152 χ^2/NDF:801.2/11

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.116+/-0.149 χ^2/NDF:334.8/9

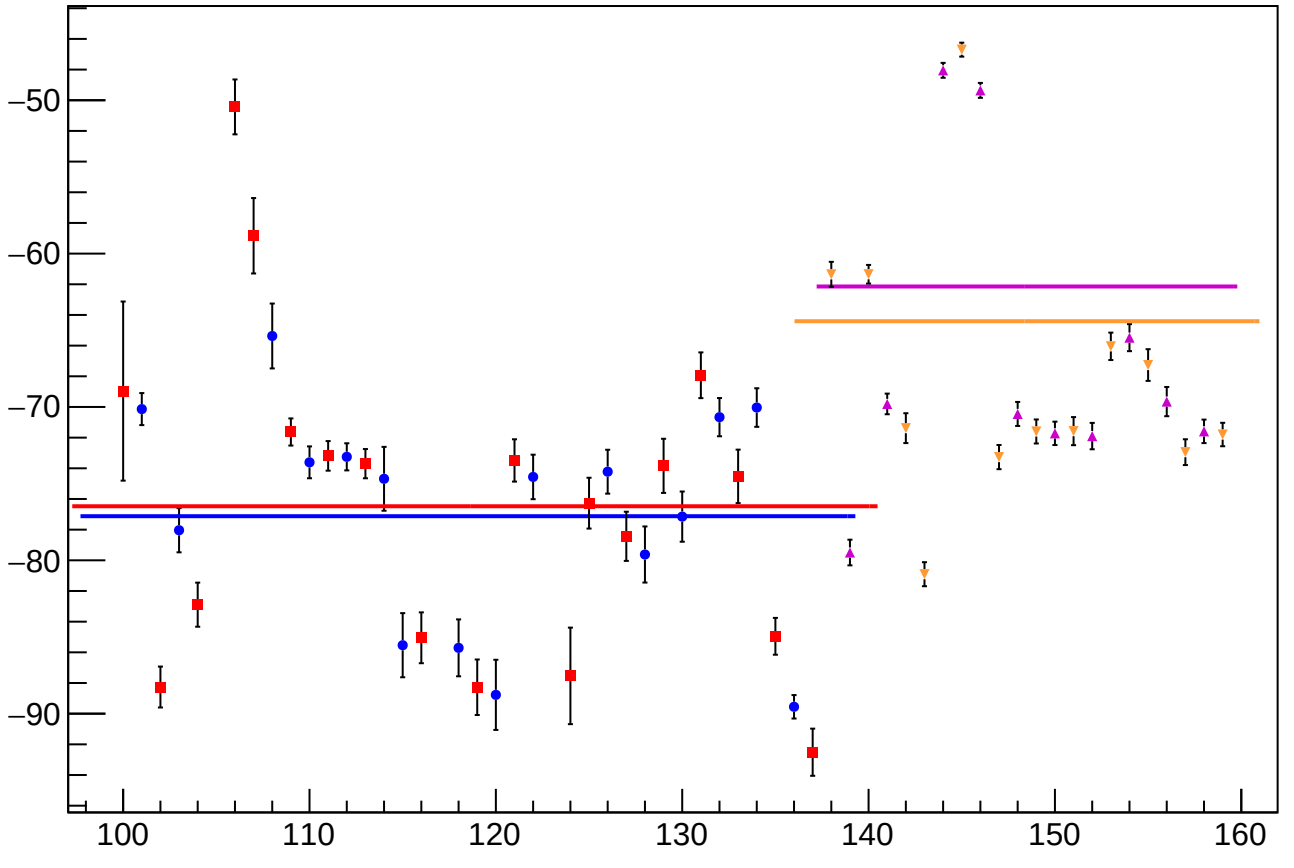
Left: 2.587+/-0.106 χ^2/NDF: 1156.2/21

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.247+/-0.135 χ^2/NDF:538.5/25

Out: 3.032+/-0.137 χ^2/NDF:946.6/30

All: 2.632+/-0.096 χ^2/NDF: 1501.7/56



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -64.409+/-0.216 χ^2/NDF:2524.2/11

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -62.144+/-0.219 χ^2/NDF:2717.1/9

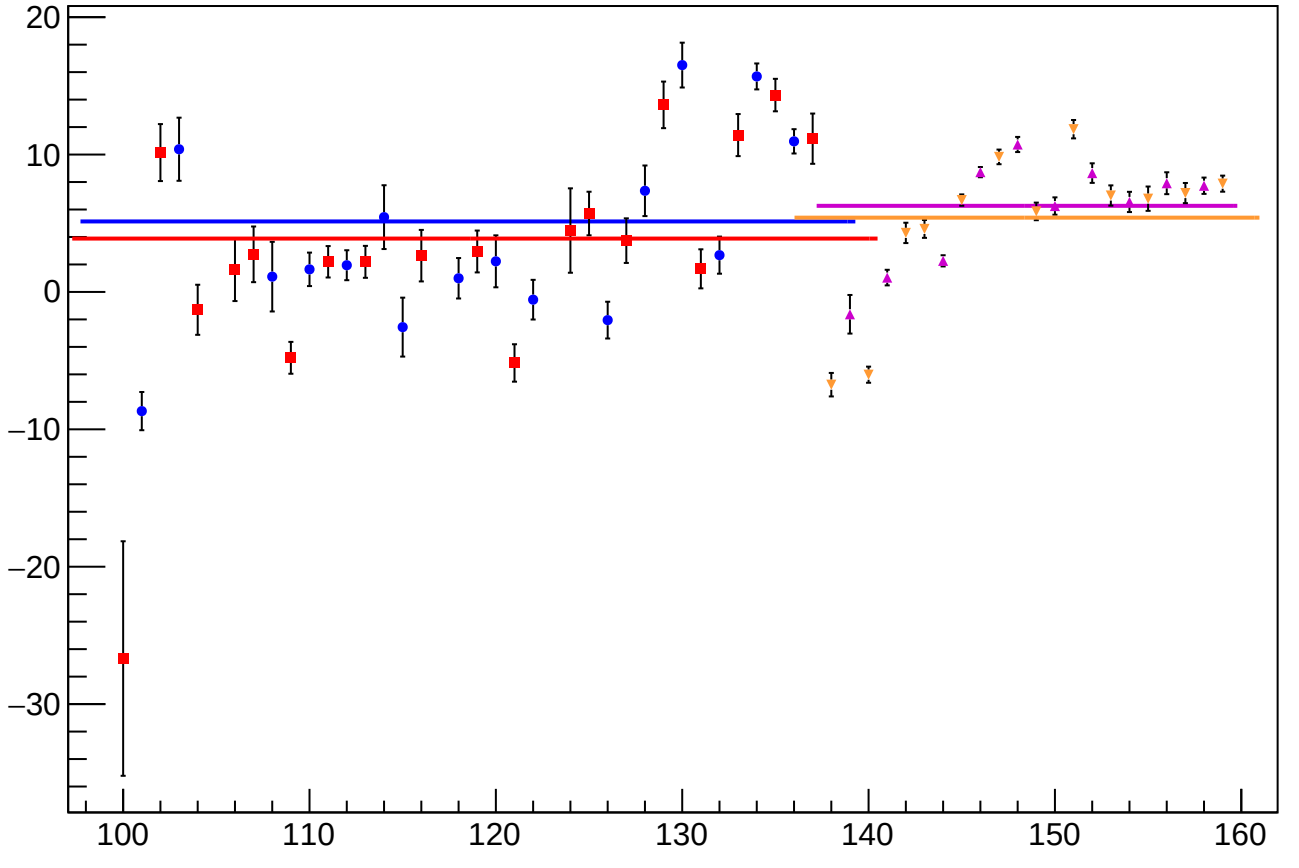
Left: -63.292+/-0.154 χ^2/NDF: 5295.6/21

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.792+/-0.182 χ^2/NDF:4674.0/25

Out: -68.049+/-0.180 χ^2/NDF:4162.2/30

All: -67.425+/-0.128 χ^2/NDF: 8860.4/56



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 5.407+/-0.181 χ^2/NDF:788.4/11

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 6.268+/-0.180 χ^2/NDF:343.8/9

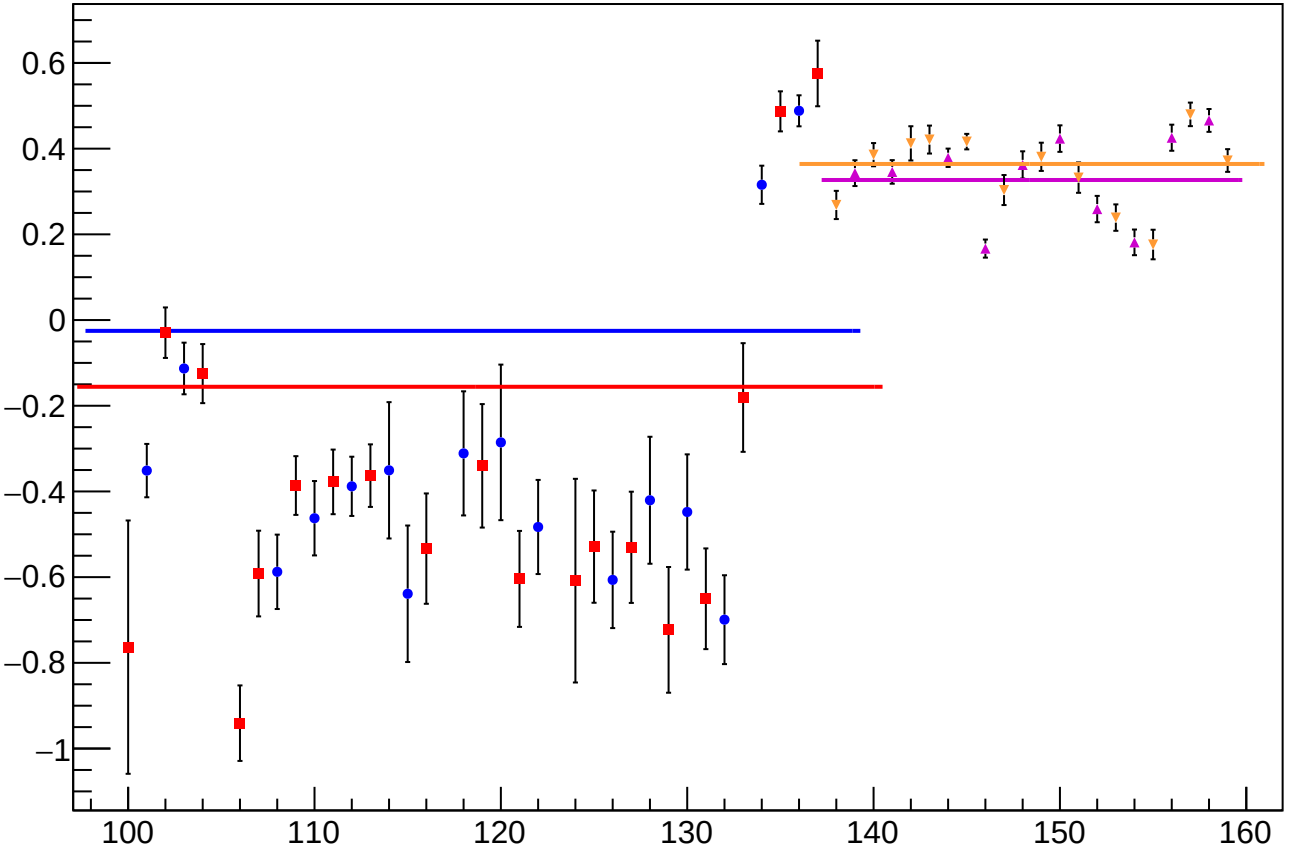
Left: 5.841+/-0.128 χ^2/NDF: 1143.6/21

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 6.030+/-0.160 χ^2/NDF:764.5/25

Out: 5.101+/-0.162 χ^2/NDF:1094.1/30

All: 5.572+/-0.114 χ^2/NDF: 1875.2/56



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.364+/-0.008 χ^2/NDF:90.0/11

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.327+/-0.009 χ^2/NDF:141.3/9

Left: 0.346+/-0.006 χ^2/NDF: 240.9/21

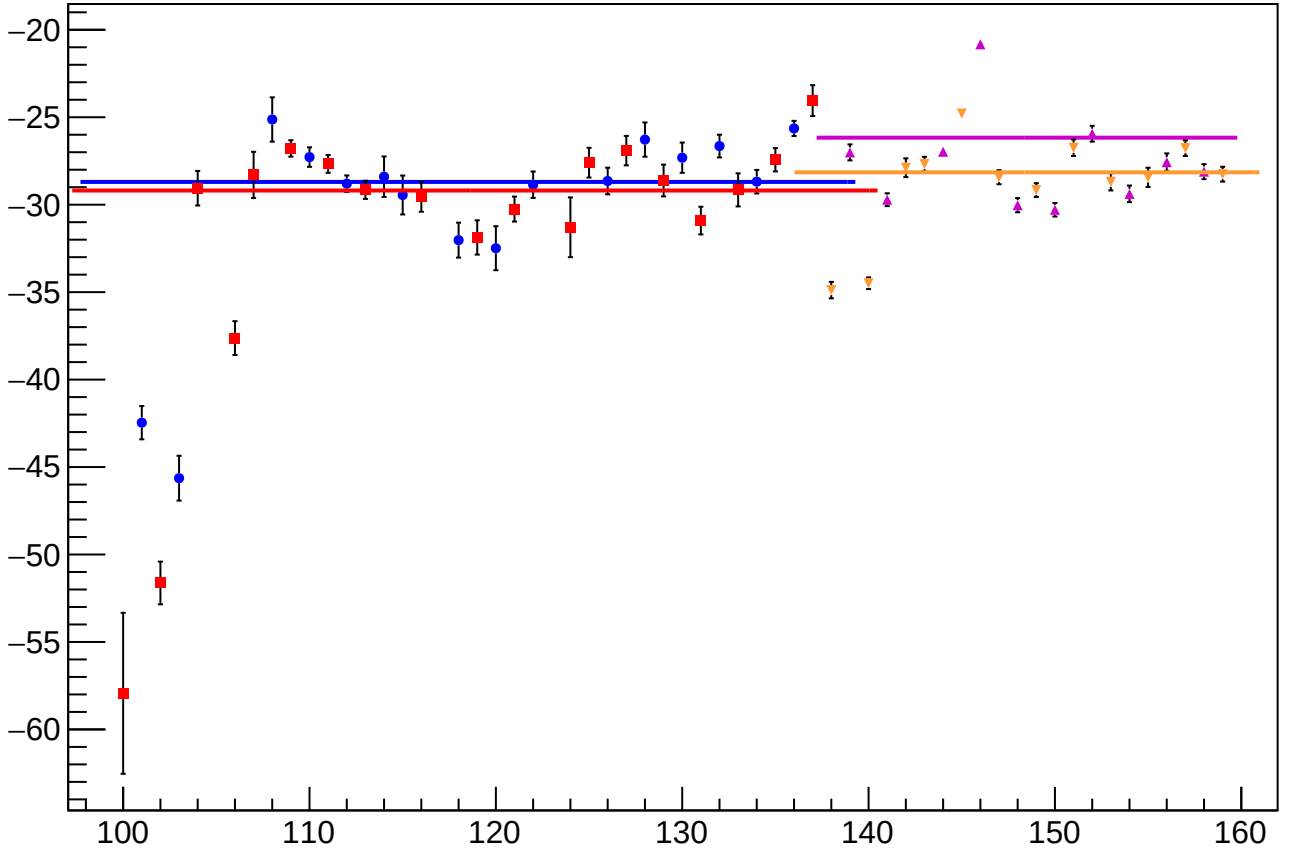
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.267+/-0.008 χ^2/NDF:940.3/25

Out: 0.287+/-0.008 χ^2/NDF:1148.7/30

All: 0.277+/-0.006 χ^2/NDF: 2092.4/56

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.149+/-0.110 χ^2/NDF:867.0/11

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.169+/-0.108 χ^2/NDF:1057.3/9

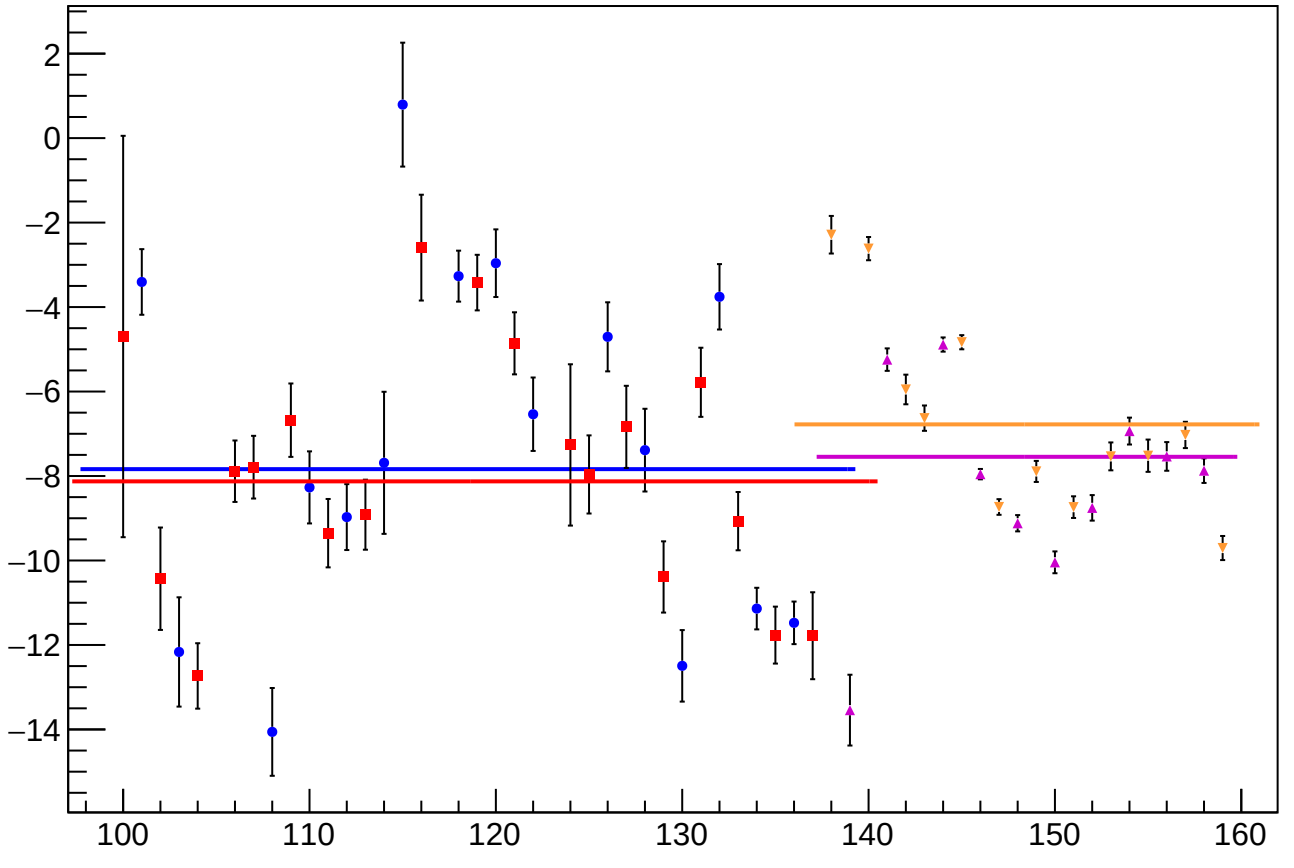
Left: -27.134+/-0.077 χ^2/NDF: 2089.6/21

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.803+/-0.093 χ^2/NDF:1683.3/25

Out: -28.430+/-0.094 χ^2/NDF:1448.3/30

All: -27.607+/-0.066 χ^2/NDF: 3282.5/56



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.777+/-0.076 χ^2/NDF:776.1/11

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.545+/-0.071 χ^2/NDF:567.7/9

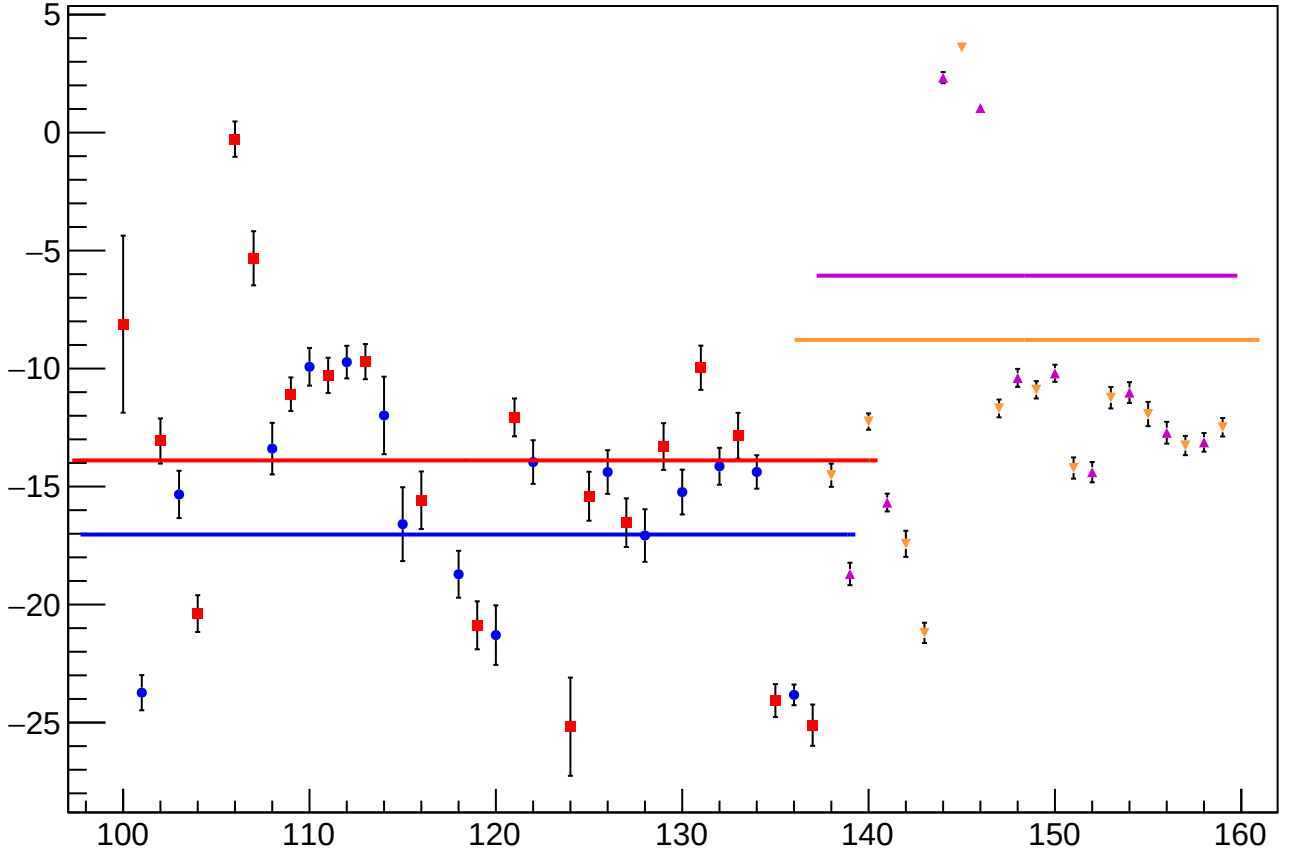
Left: -7.190+/-0.052 χ^2/NDF: 1398.4/21

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.579+/-0.066 χ^2/NDF:952.9/25

Out: -6.954+/-0.071 χ^2/NDF:1014.4/30

All: -7.287+/-0.049 χ^2/NDF: 2008.7/56



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.785+/-0.108 χ^2/NDF:5378.4/11

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -6.064+/-0.105 χ^2/NDF:5198.7/9

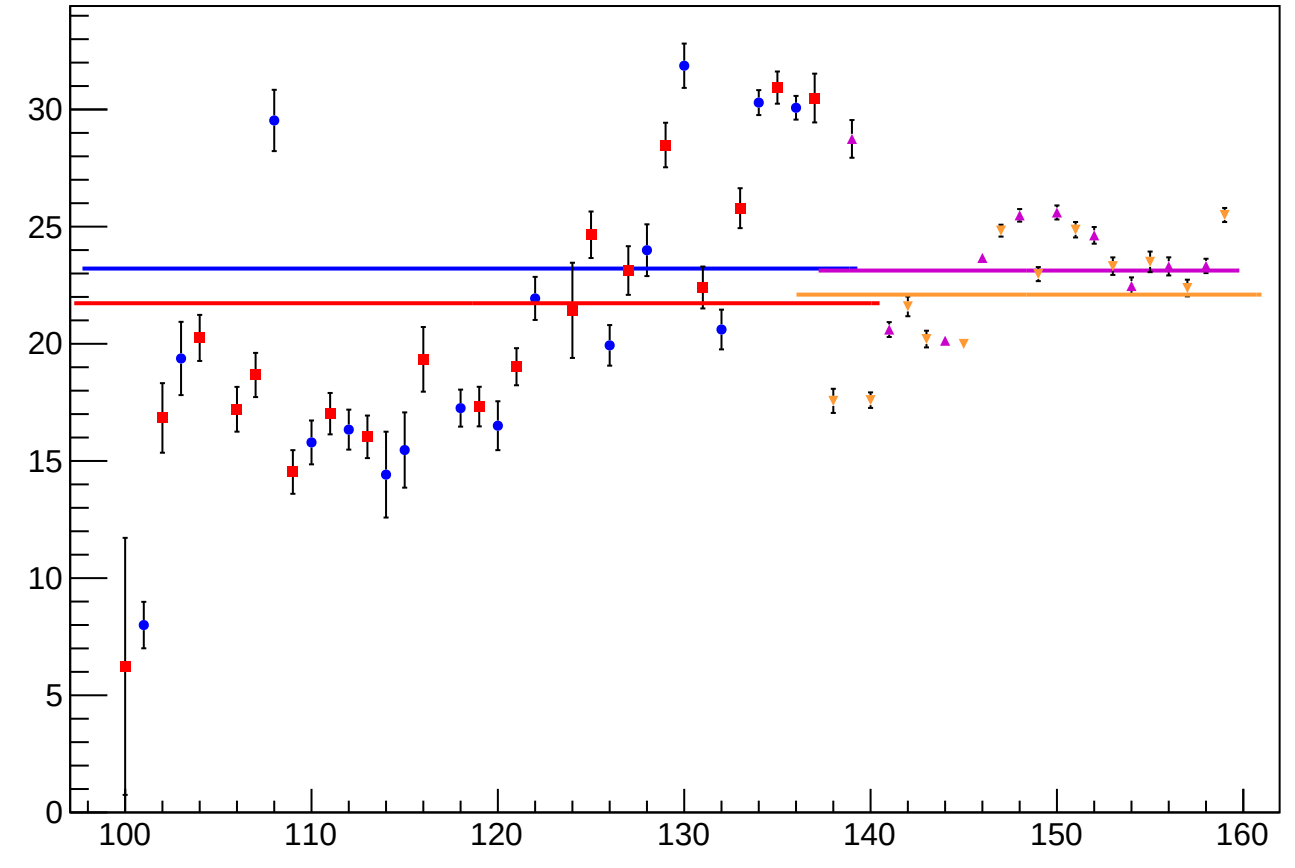
Left: -7.377+/-0.075 χ^2/NDF: 10902.5/21

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.261+/-0.094 χ^2/NDF:7994.7/25

Out: -9.866+/-0.096 χ^2/NDF:6865.1/30

All: -9.042+/-0.067 χ^2/NDF: 15002.4/56



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.099+/-0.091 χ^2/NDF:756.0/11

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.126+/-0.085 χ^2/NDF:521.8/9

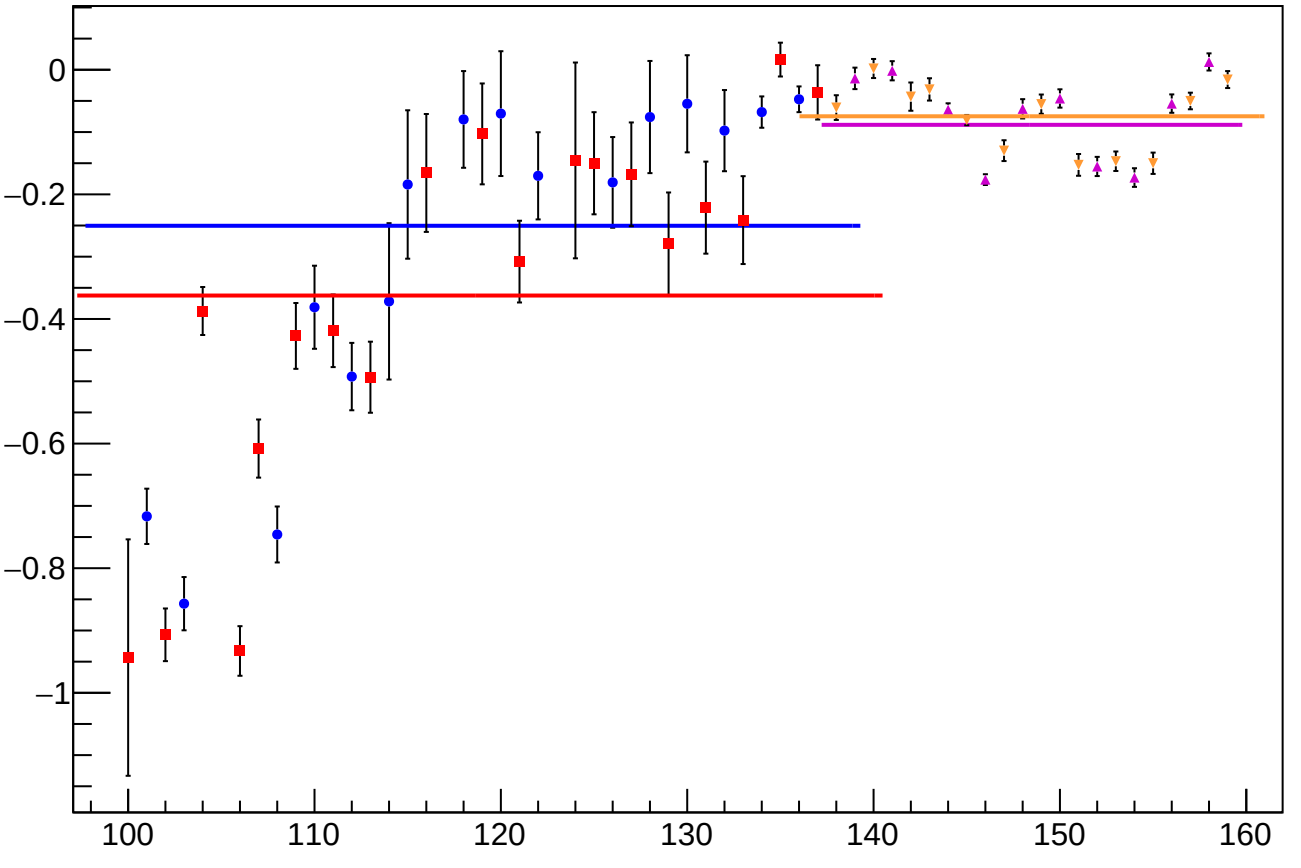
Left: 22.645+/-0.062 χ^2/NDF: 1345.5/21

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.137+/-0.080 χ^2/NDF:1530.1/25

Out: 22.047+/-0.084 χ^2/NDF:1316.5/30

All: 22.624+/-0.058 χ^2/NDF: 2935.1/56



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.075+/-0.004 χ^2/NDF:129.1/11

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.088+/-0.004 χ^2/NDF:280.7/9

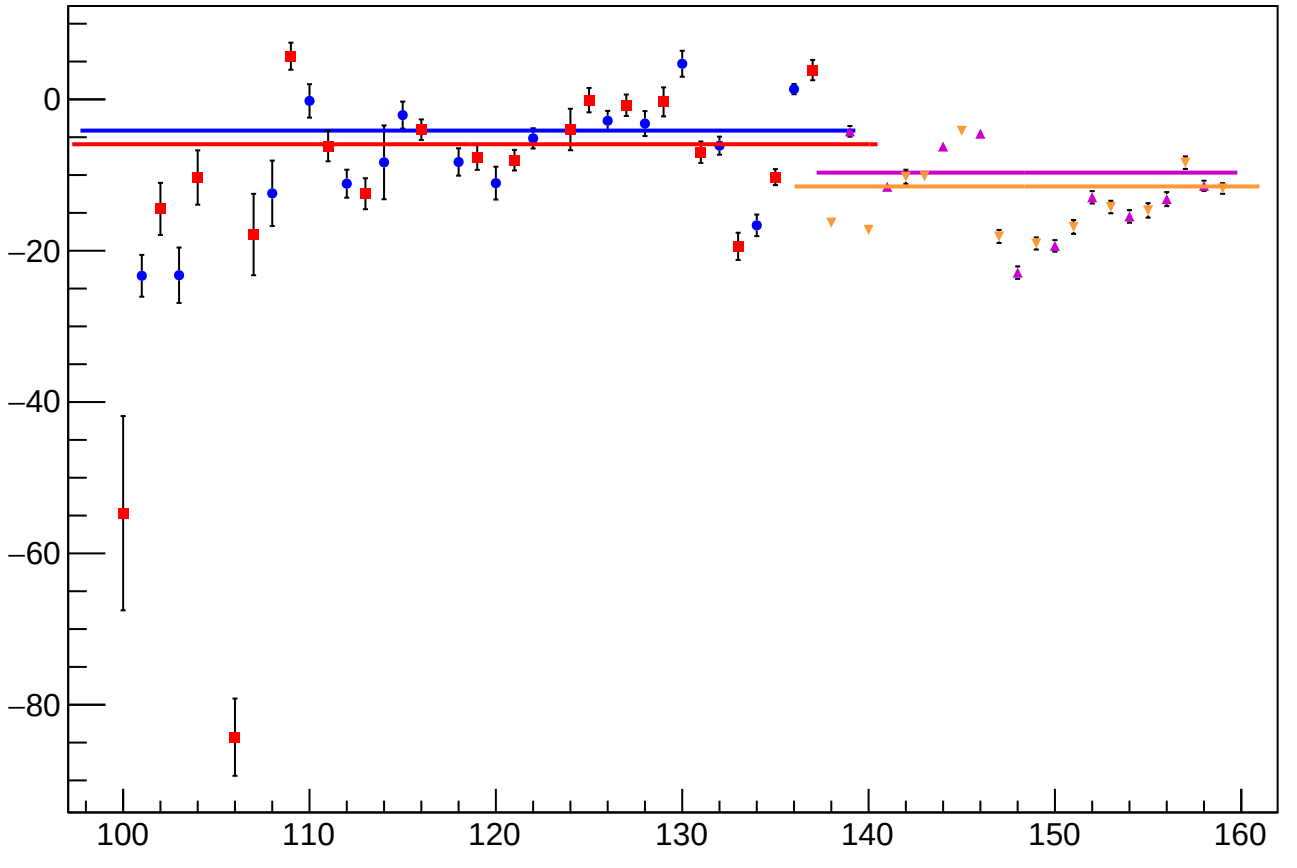
Left: -0.082+/-0.003 χ^2/NDF: 415.2/21

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.107+/-0.004 χ^2/NDF:1085.5/25

Out: -0.105+/-0.004 χ^2/NDF:1319.5/30

All: -0.106+/-0.003 χ^2/NDF: 2405.1/56



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.509+/-0.194 χ^2/NDF:784.6/11

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.681+/-0.197 χ^2/NDF:797.3/9

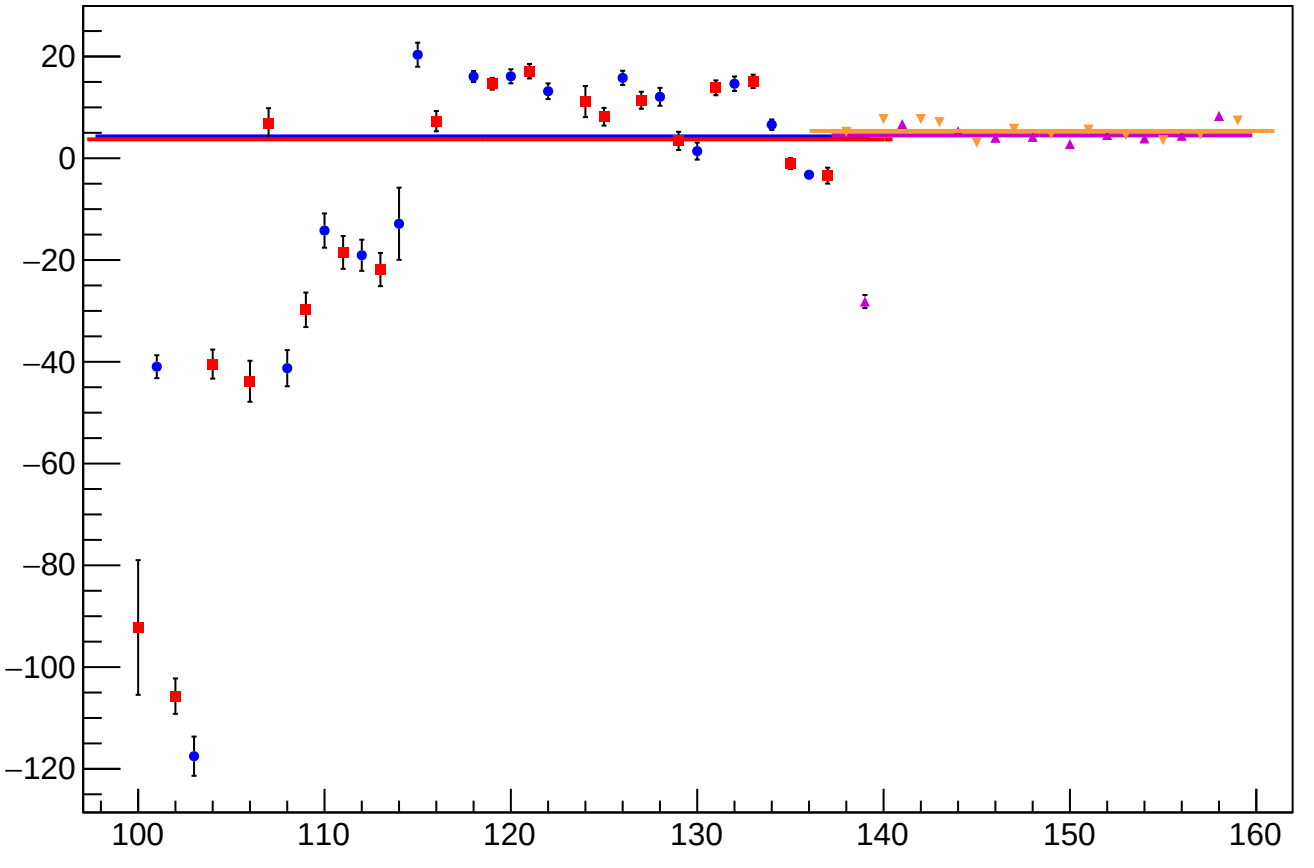
Left: -10.607+/-0.138 χ^2/NDF: 1625.5/21

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.512+/-0.175 χ^2/NDF:1252.5/25

Out: -10.475+/-0.176 χ^2/NDF:1419.7/30

All: -9.491+/-0.124 χ^2/NDF: 2735.0/56



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.367+/-0.138 χ^2/NDF:145.3/11

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.499+/-0.133 χ^2/NDF:762.1/9

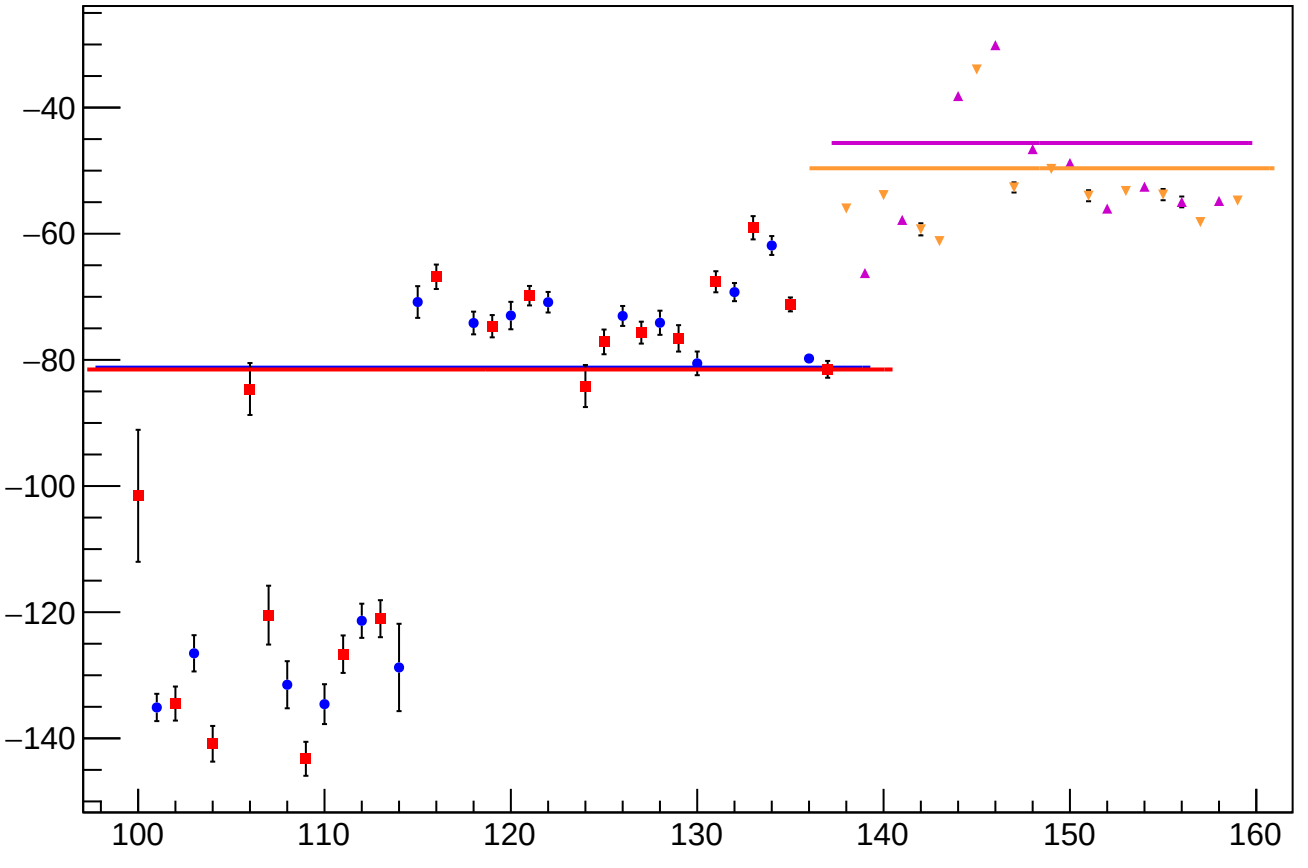
Left: 4.918+/-0.096 χ^2/NDF: 928.0/21

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.477+/-0.126 χ^2/NDF:2931.5/25

Out: 5.208+/-0.131 χ^2/NDF:2166.4/30

All: 4.828+/-0.091 χ^2/NDF: 5114.1/56



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -49.623+/-0.192 χ^2/NDF:2513.6/11

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -45.614+/-0.192 χ^2/NDF:3607.5/9

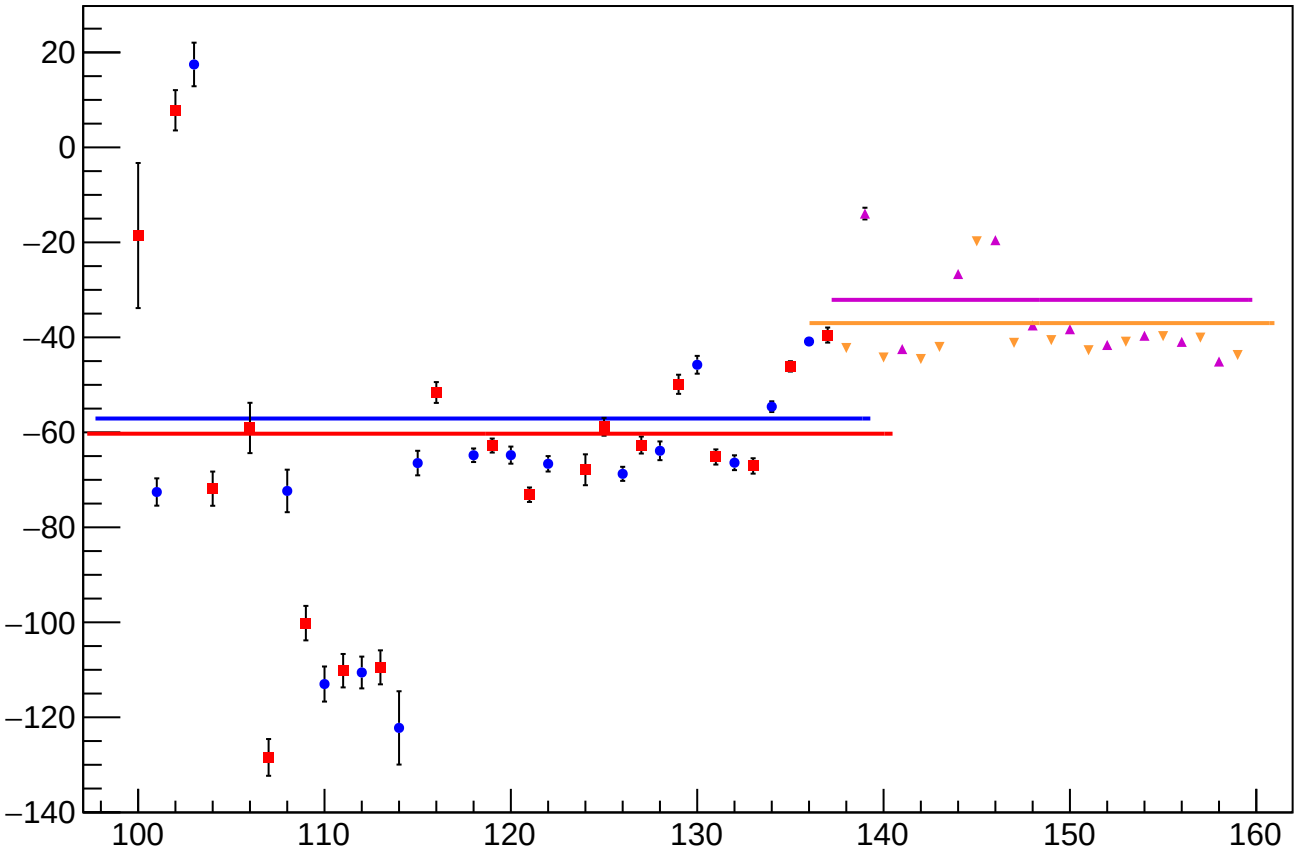
Left: -47.617+/-0.136 χ^2/NDF: 6338.1/21

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.869+/-0.175 χ^2/NDF:11597.6/25

Out: -54.348+/-0.178 χ^2/NDF:8875.3/30

All: -53.087+/-0.125 χ^2/NDF: 20571.9/56



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.999+/-0.163 χ^2/NDF:3399.1/11

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -32.100+/-0.159 χ^2/NDF:3899.1/9

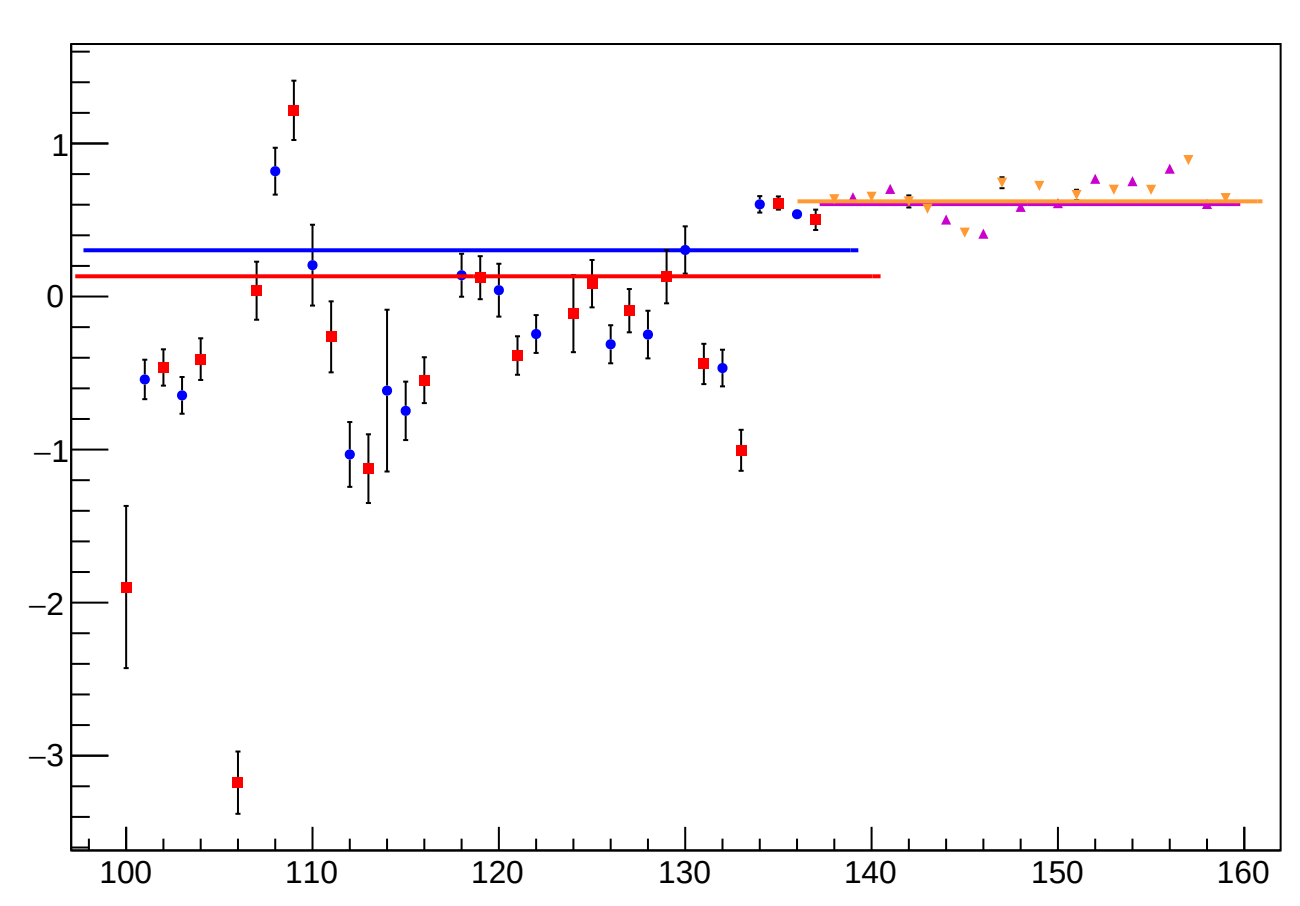
Left: -34.493+/-0.114 χ^2/NDF: 7761.1/21

Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -35.163+/-0.149 χ^2/NDF:8448.9/25

Out: -39.494+/-0.154 χ^2/NDF:7178.8/30

All: -37.260+/-0.107 χ^2/NDF: 16036.5/56



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.622+/-0.007 χ^2/NDF:347.1/11

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.604+/-0.008 χ^2/NDF:312.3/9

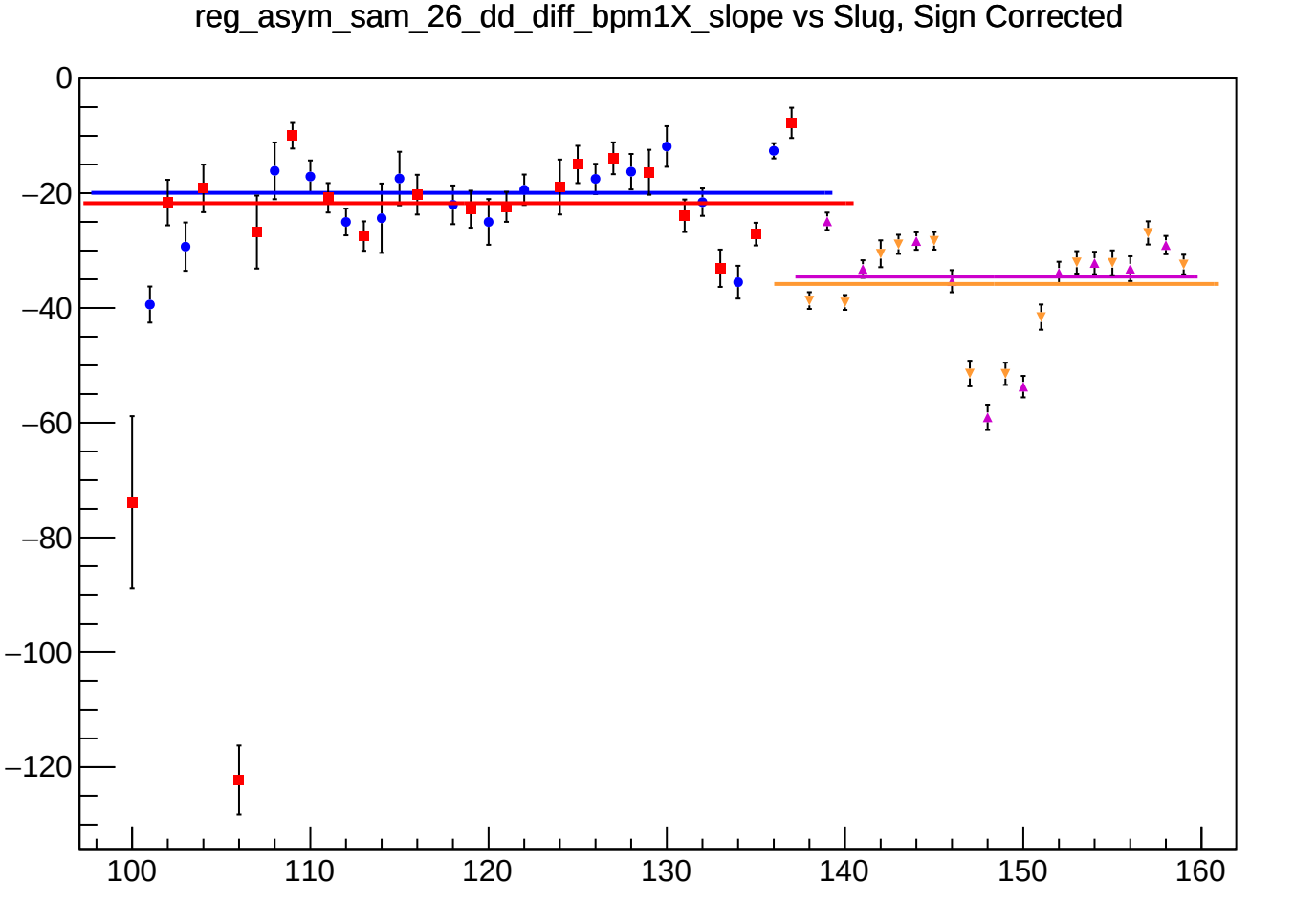
Left: 0.613+/-0.005 χ^2/NDF: 662.2/21

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.574+/-0.007 χ^2/NDF:843.0/25

Out: 0.586+/-0.007 χ^2/NDF:1335.9/30

All: 0.580+/-0.005 χ^2/NDF: 2180.2/56



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.816+/-0.515 χ^2/NDF:207.0/11

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -34.533+/-0.560 χ^2/NDF:300.4/9

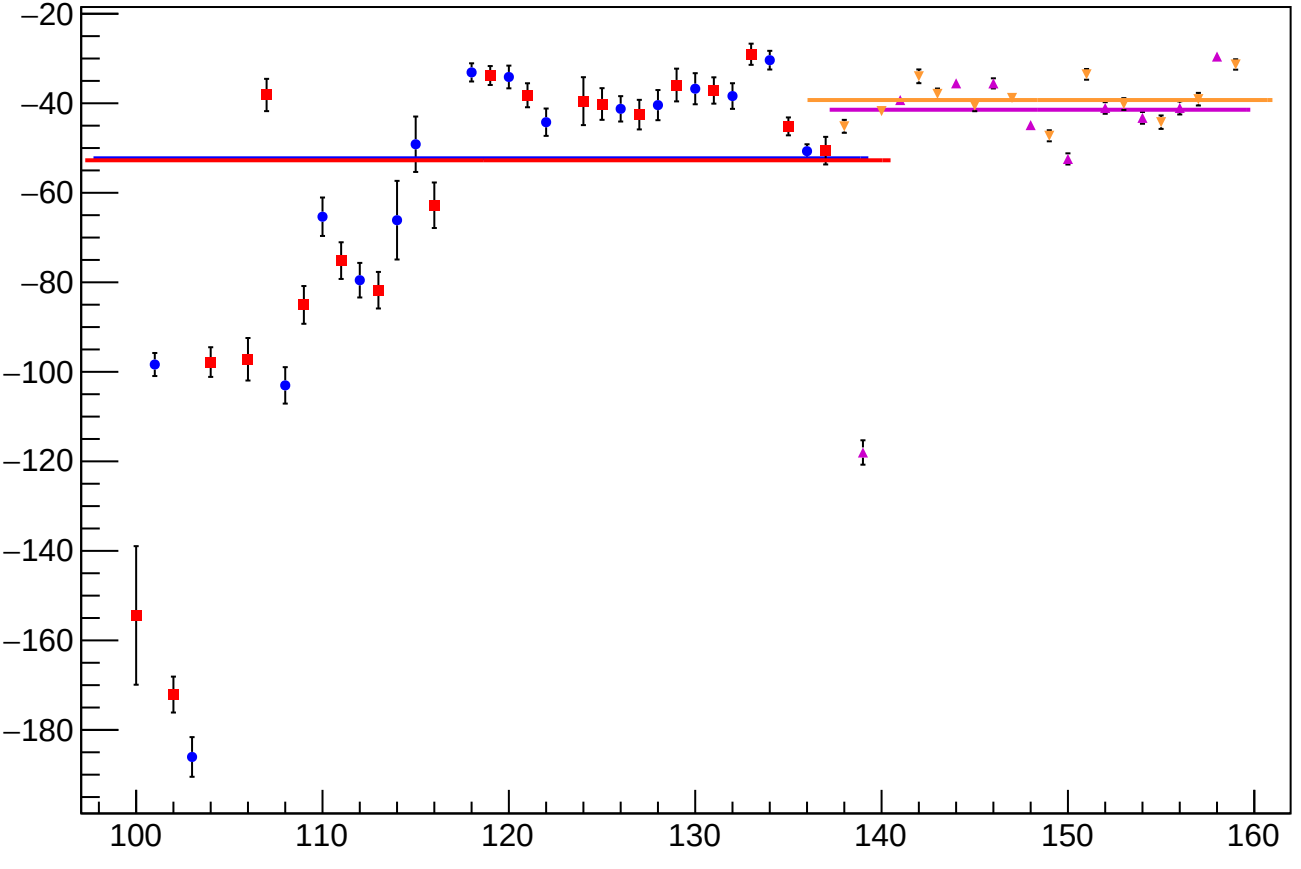
Left: -35.227+/-0.379 χ^2/NDF: 510.3/21

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.790+/-0.436 χ^2/NDF:688.7/25

Out: -30.996+/-0.418 χ^2/NDF:850.9/30

All: -29.939+/-0.302 χ^2/NDF: 1553.0/56



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.276+/-0.362 χ^2/NDF:159.1/11

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -41.444+/-0.391 χ^2/NDF:1056.3/9

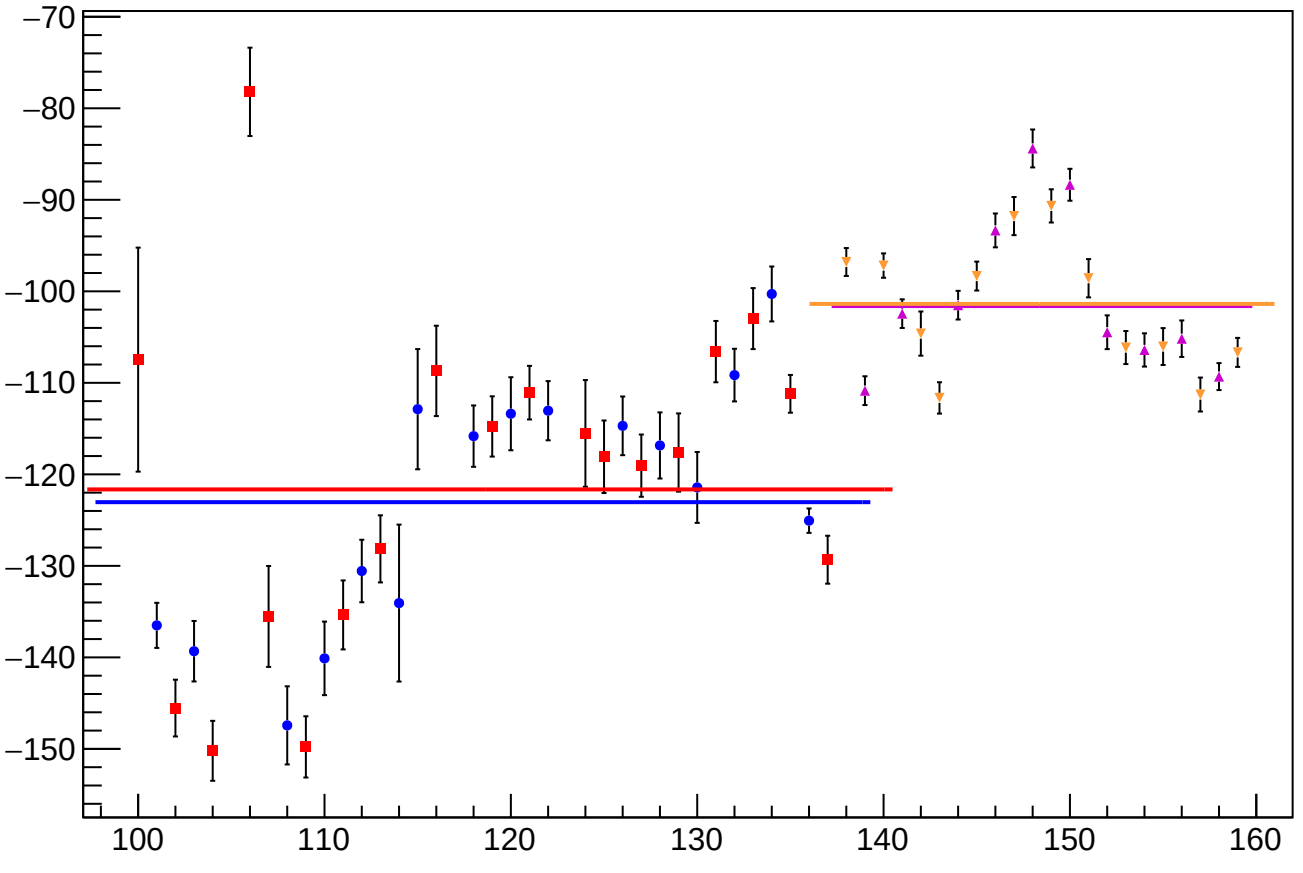
Left: -40.275+/-0.266 χ^2/NDF: 1231.9/21

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -43.984+/-0.343 χ^2/NDF:3014.4/25

Out: -41.827+/-0.326 χ^2/NDF:2084.0/30

All: -42.851+/-0.236 χ^2/NDF: 5119.1/56



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.375+/-0.506 χ^2/NDF:170.2/11

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -101.610+/-0.544 χ^2/NDF:221.6/9

Left: -101.484+/-0.370 χ^2/NDF: 391.9/21

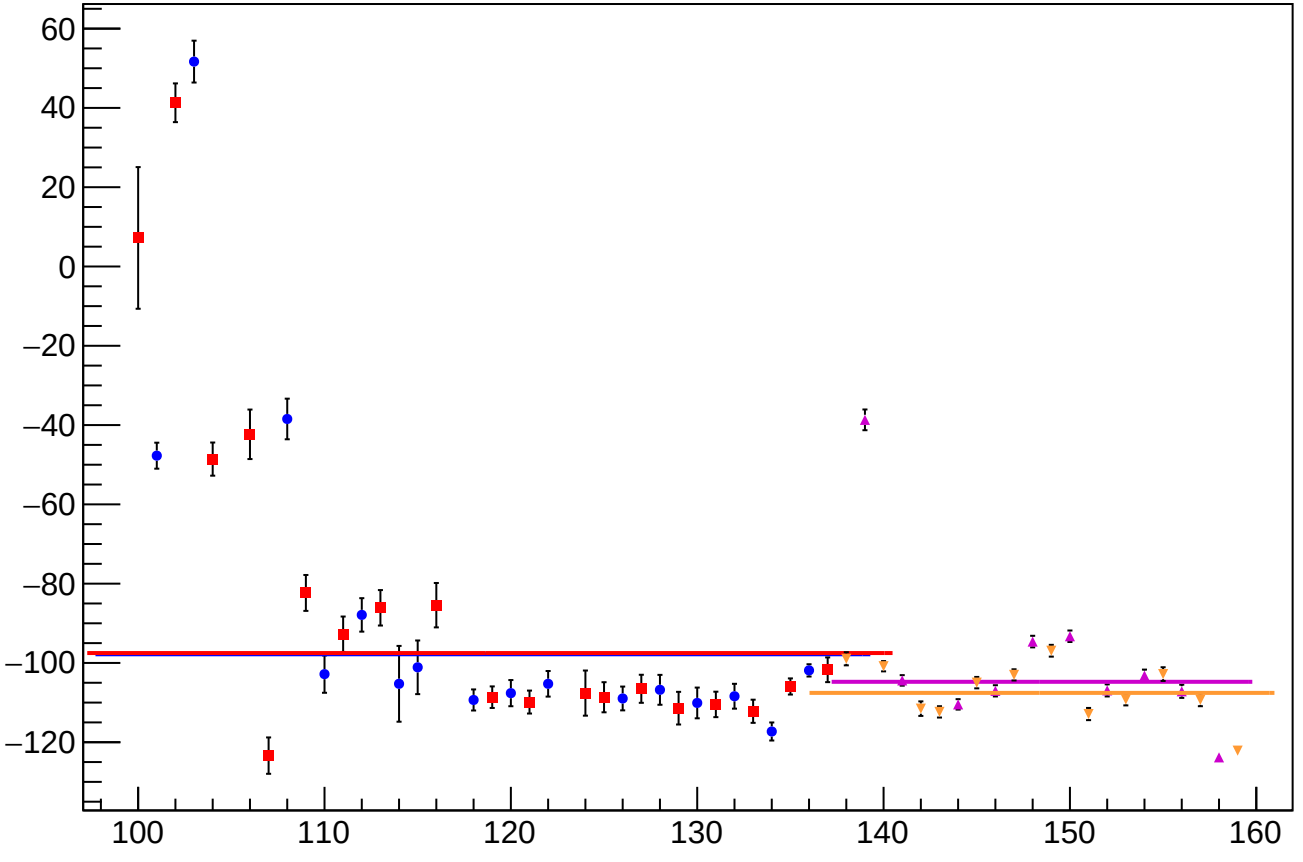
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -108.992+/-0.440 χ^2/NDF:983.5/25

Out: -107.149+/-0.428 χ^2/NDF:1052.5/30

All: -108.044+/-0.307 χ^2/NDF: 2045.1/56

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -107.553+/-0.428 χ^2/NDF:300.2/11

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -104.758+/-0.460 χ^2/NDF:1053.6/9

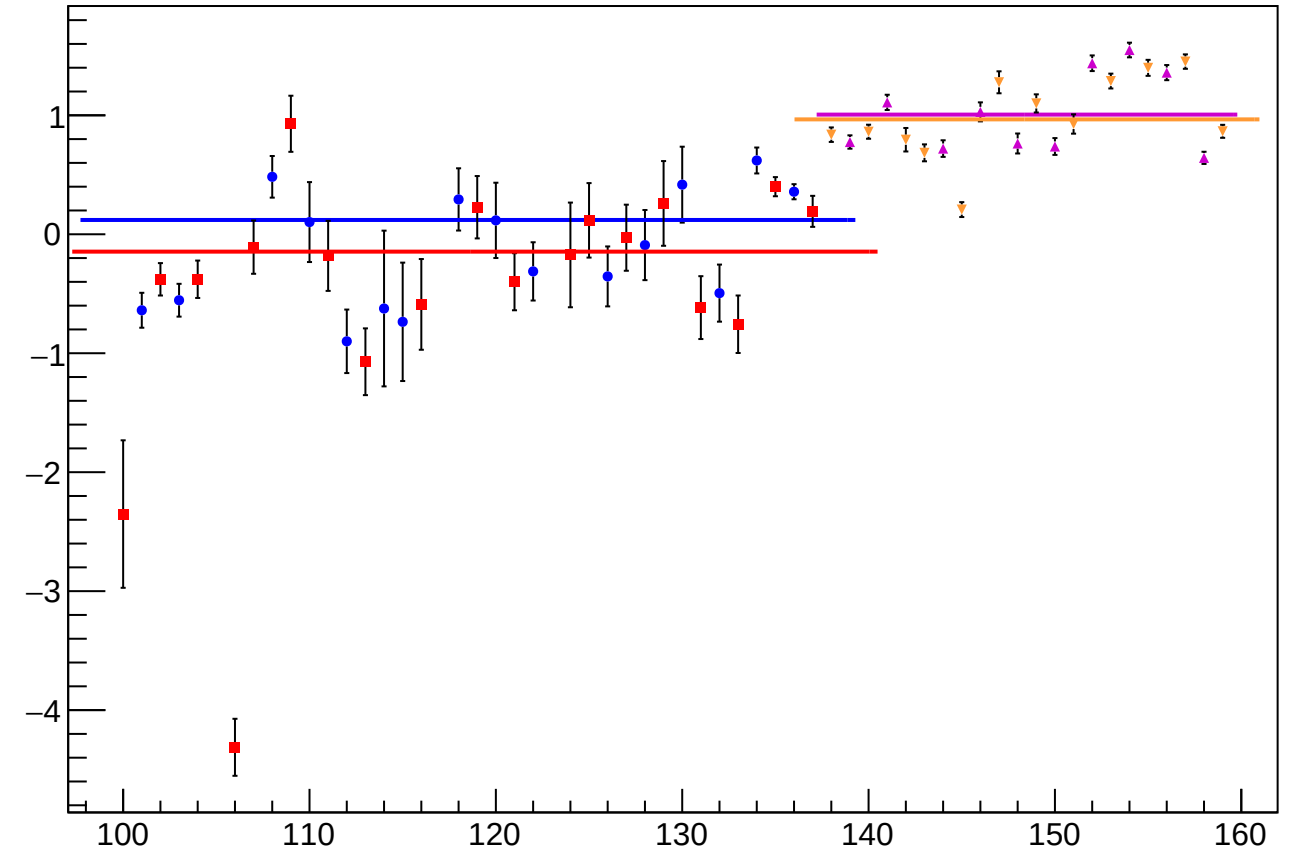
Left: -106.256+/-0.314 χ^2/NDF: 1373.6/21

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -103.008+/-0.398 χ^2/NDF:2441.8/25

Out: -105.490+/-0.382 χ^2/NDF:1649.6/30

All: -104.301+/-0.276 χ^2/NDF: 4111.7/56



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.966+/-0.019 χ^2/NDF:323.3/11

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.006+/-0.020 χ^2/NDF:260.6/9

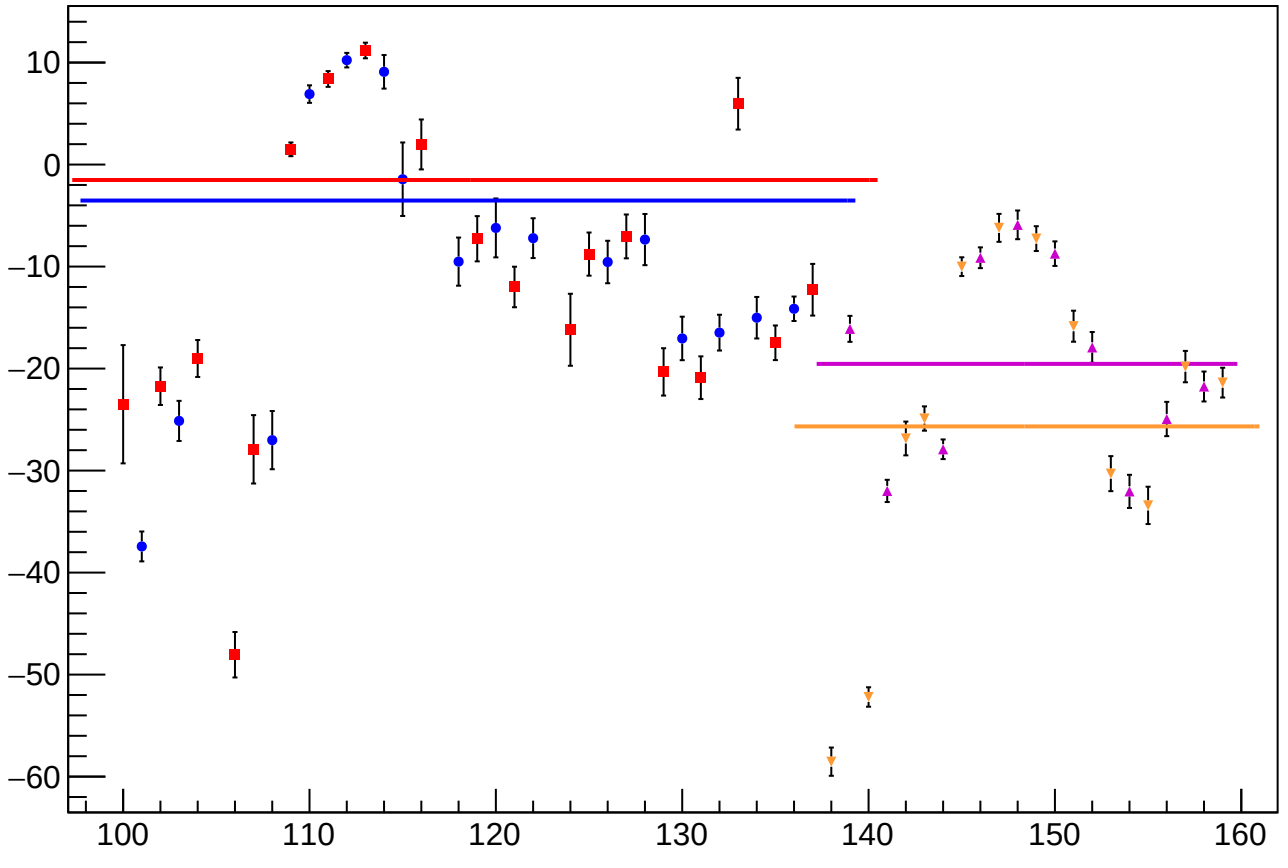
Left: 0.985+/-0.014 χ^2/NDF: 585.9/21

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.831+/-0.018 χ^2/NDF:754.8/25

Out: 0.789+/-0.018 χ^2/NDF:1260.5/30

All: 0.810+/-0.013 χ^2/NDF: 2017.9/56



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.670+/-0.377 χ^2/NDF:2149.4/11

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -19.539+/-0.397 χ^2/NDF:565.0/9

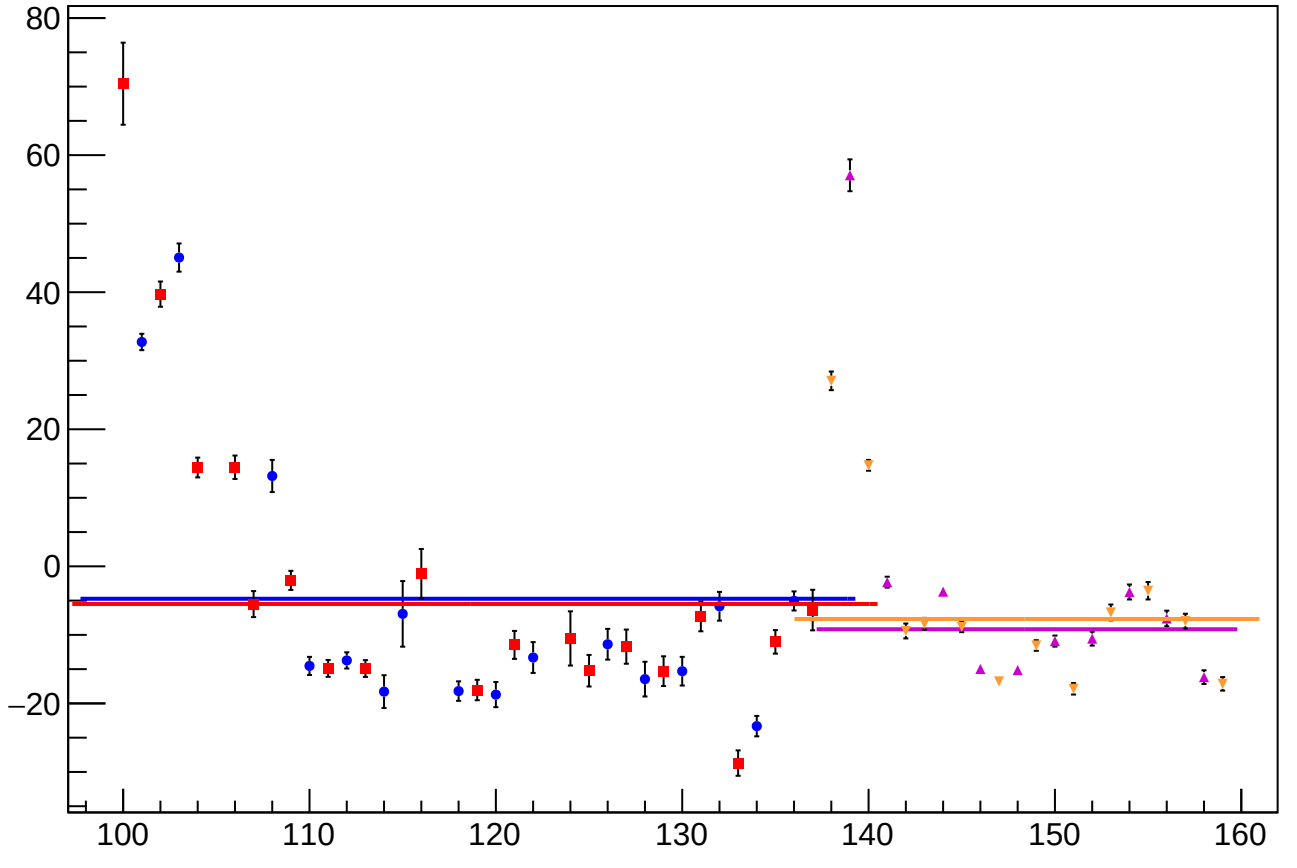
Left: -22.769+/-0.273 χ^2/NDF: 2839.7/21

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -11.105+/-0.273 χ^2/NDF:2948.9/25

Out: -12.302+/-0.252 χ^2/NDF:5949.3/30

All: -11.753+/-0.185 χ^2/NDF: 8908.5/56



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.683+/-0.259 χ^2/NDF:1947.2/11

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -9.181+/-0.270 χ^2/NDF:1196.7/9

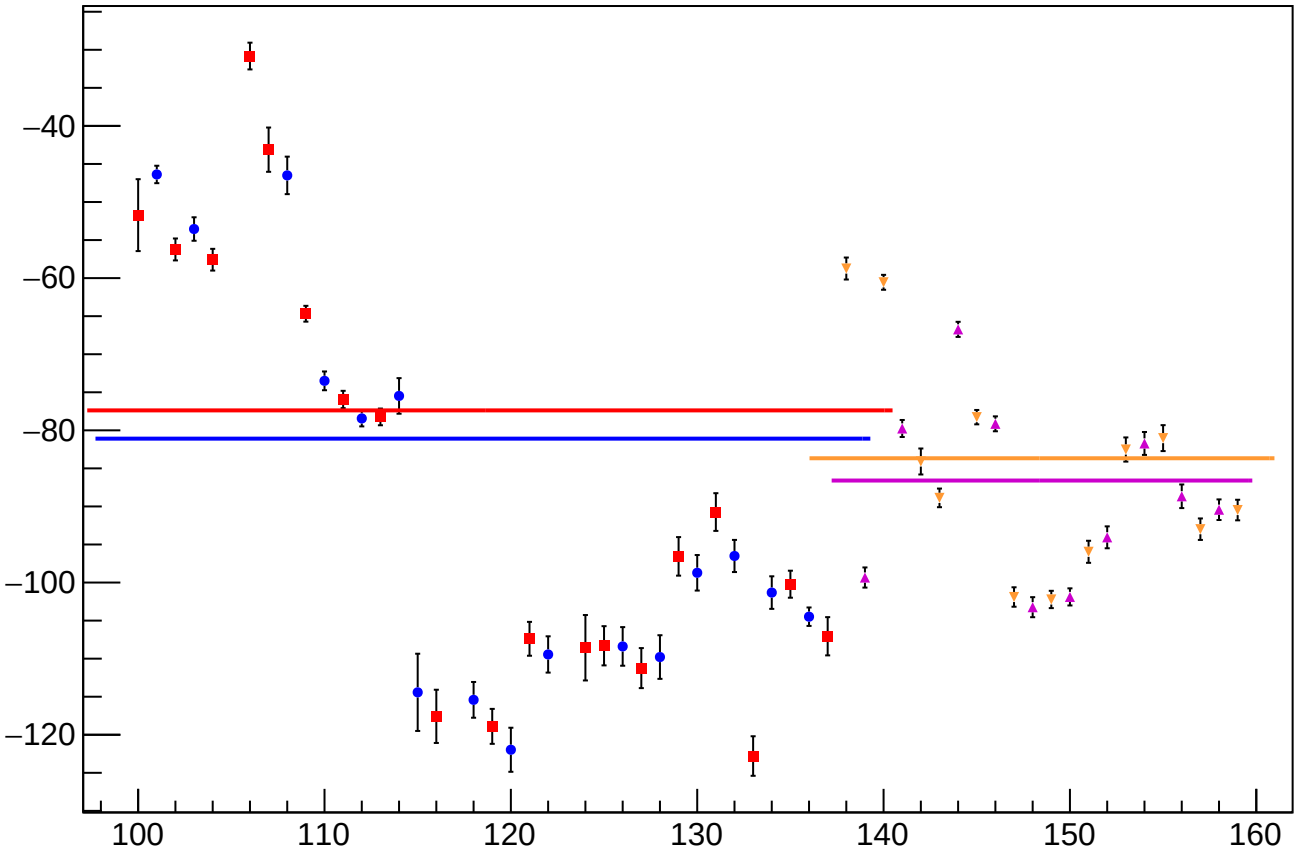
Left: -8.402+/-0.187 χ^2/NDF: 3159.9/21

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.928+/-0.229 χ^2/NDF:3421.4/25

Out: -7.083+/-0.221 χ^2/NDF:3475.3/30

All: -7.491+/-0.159 χ^2/NDF: 6903.8/56



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -83.670+/-0.370 χ^2/NDF:1518.4/11

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.596+/-0.387 χ^2/NDF:979.3/9

Left: -85.067+/-0.267 χ^2/NDF: 2527.5/21

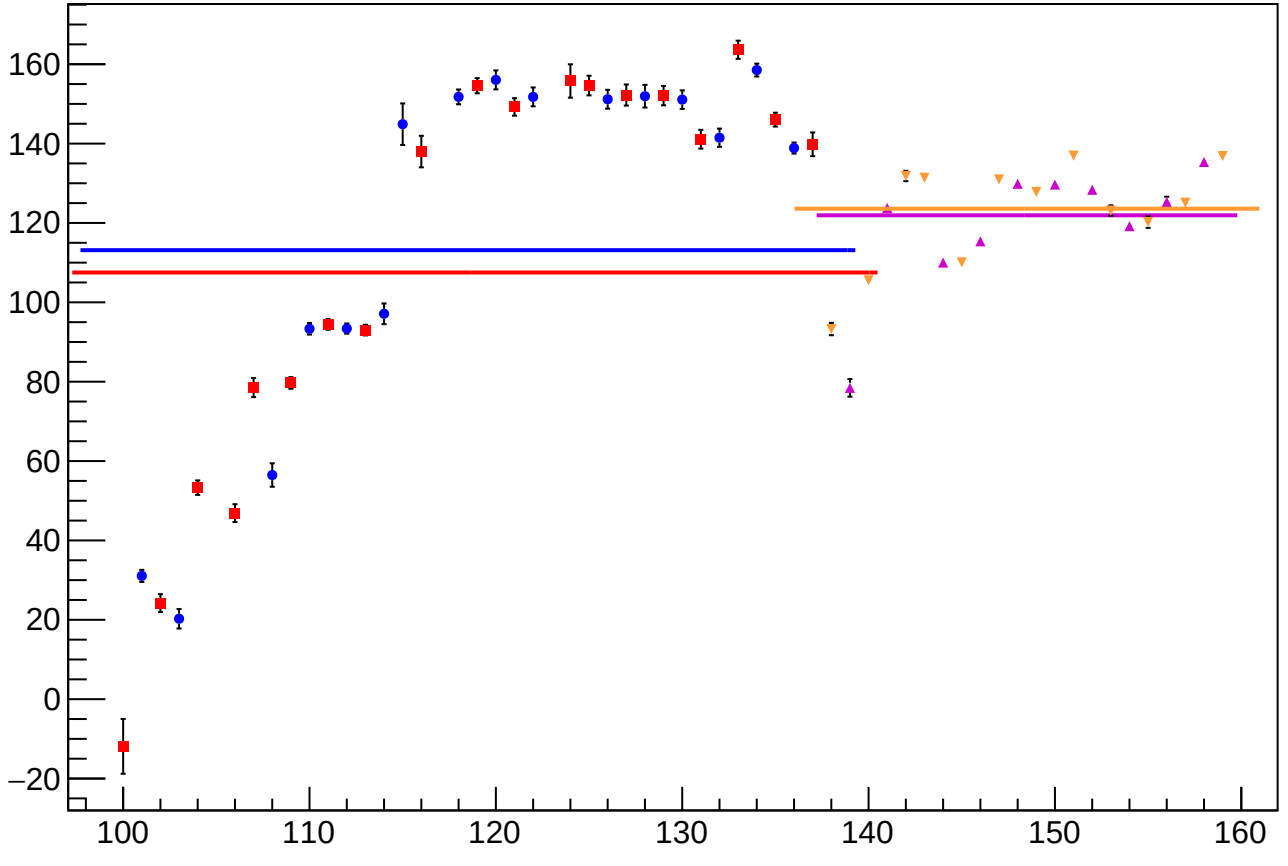
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -84.185+/-0.290 χ^2/NDF:3938.2/25

Out: -80.897+/-0.277 χ^2/NDF:4775.4/30

All: -82.464+/-0.200 χ^2/NDF: 8780.9/56

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: 123.588+/-0.310 χ^2/NDF:1499.5/11

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 121.930+/-0.323 χ^2/NDF:1008.0/9

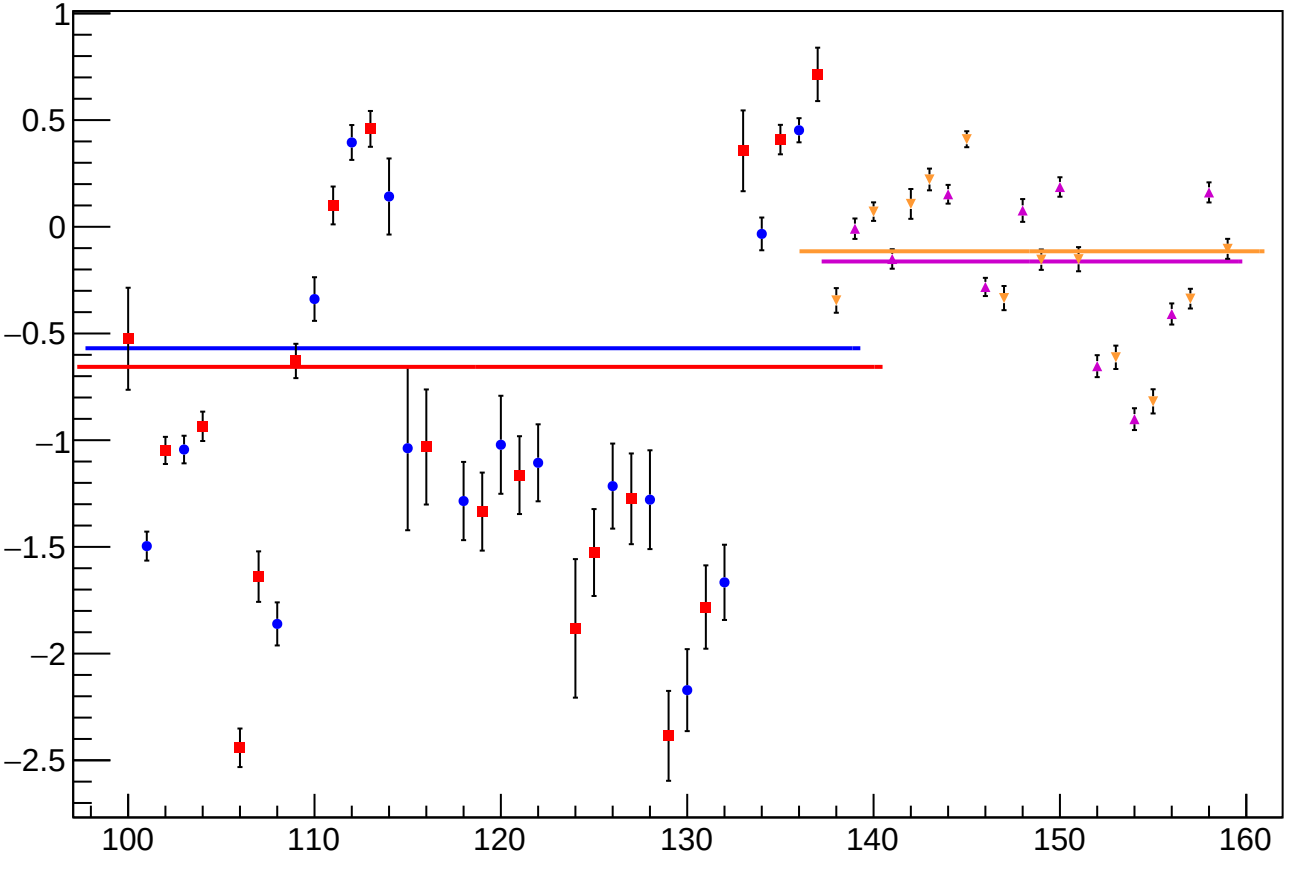
Left: 122.791+/-0.224 χ^2/NDF: 2521.1/21

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 119.266+/-0.269 χ^2/NDF:9437.1/25

Out: 118.840+/-0.261 χ^2/NDF:9835.7/30

All: 119.046+/-0.187 χ^2/NDF: 19274.0/56



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.115+/-0.014 χ^2/NDF:560.3/11

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.163+/-0.015 χ^2/NDF:519.9/9

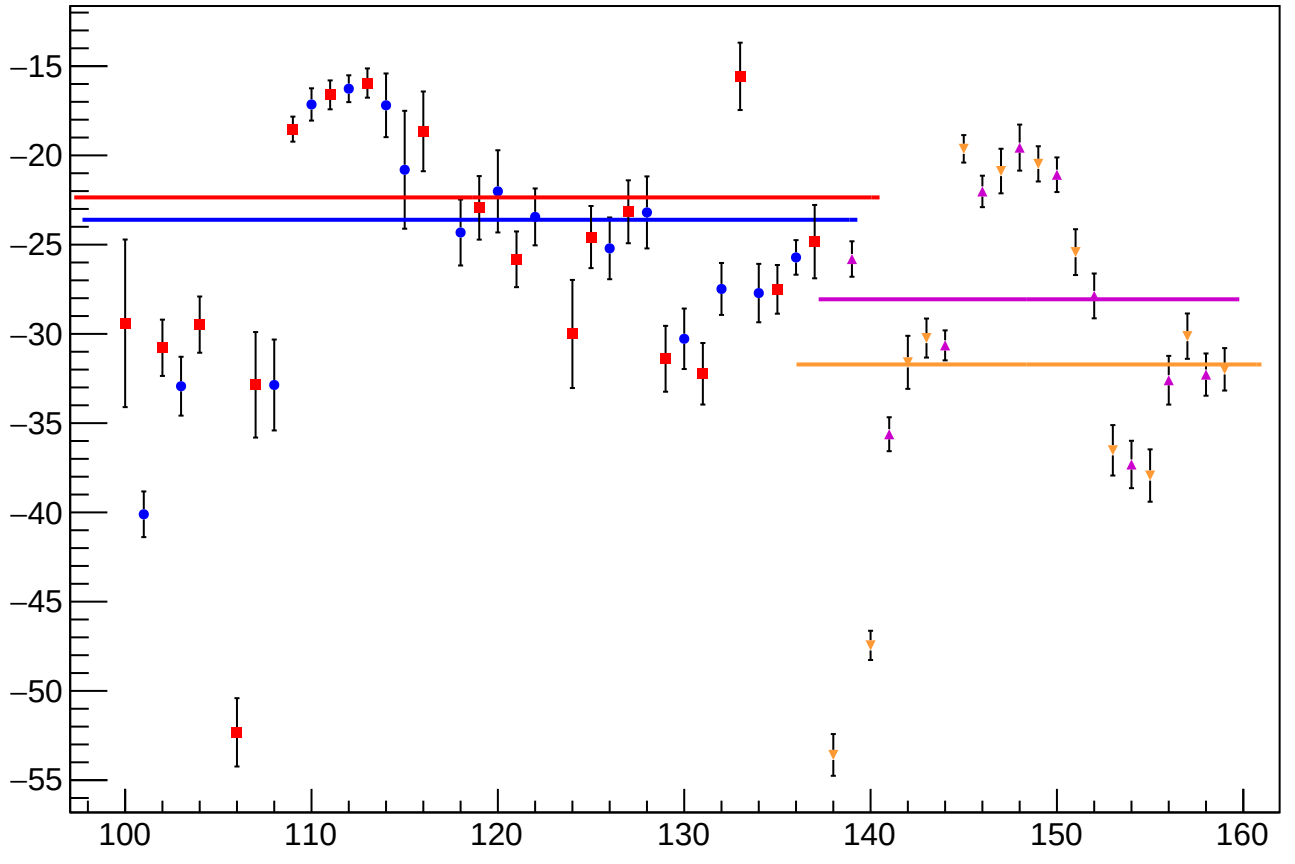
Left: -0.138+/-0.010 χ^2/NDF: 1085.4/21

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.265+/-0.013 χ^2/NDF:1802.9/25

Out: -0.249+/-0.013 χ^2/NDF:2222.5/30

All: -0.257+/-0.009 χ^2/NDF: 4026.1/56



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.712+/-0.320 χ^2/NDF:1226.9/11

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -28.062+/-0.334 χ^2/NDF:292.3/9

Left: -29.967+/-0.231 χ^2/NDF: 1581.4/21

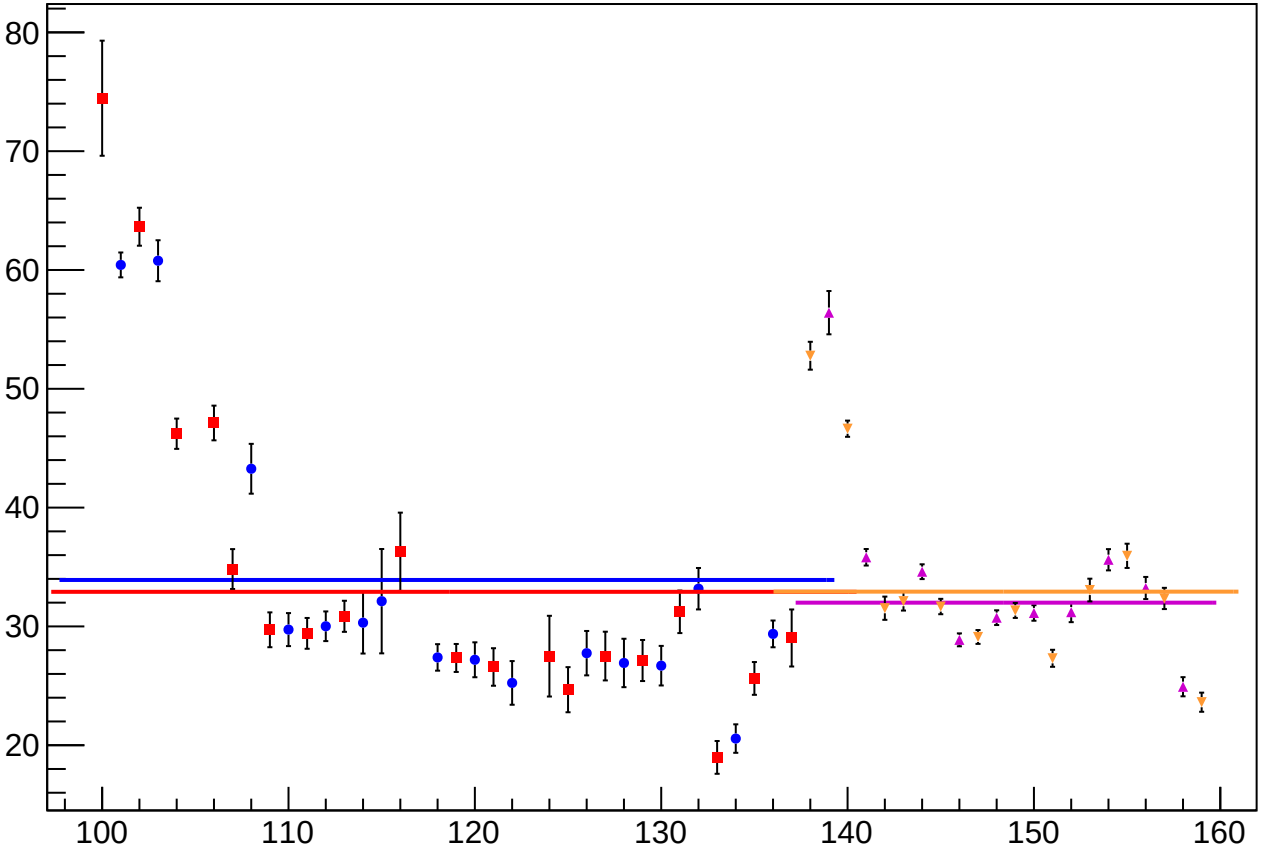
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.925+/-0.241 χ^2/NDF:783.8/25

Out: -27.059+/-0.227 χ^2/NDF:2203.9/30

All: -26.526+/-0.165 χ^2/NDF: 2999.5/56

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.926+/-0.223 χ^2/NDF:950.6/11

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 31.998+/-0.232 χ^2/NDF:362.1/9

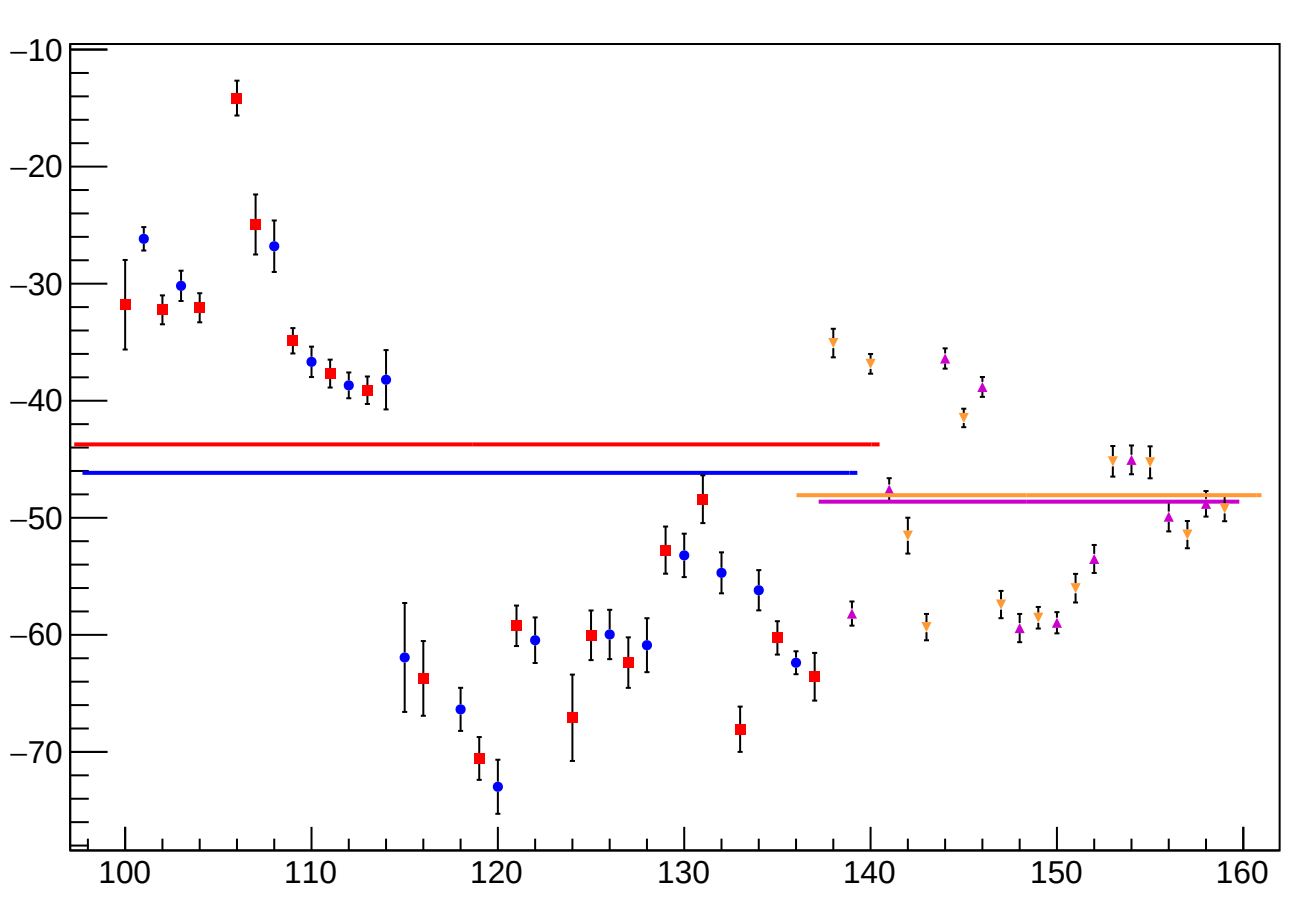
Left: 32.481+/-0.161 χ^2/NDF: 1321.1/21

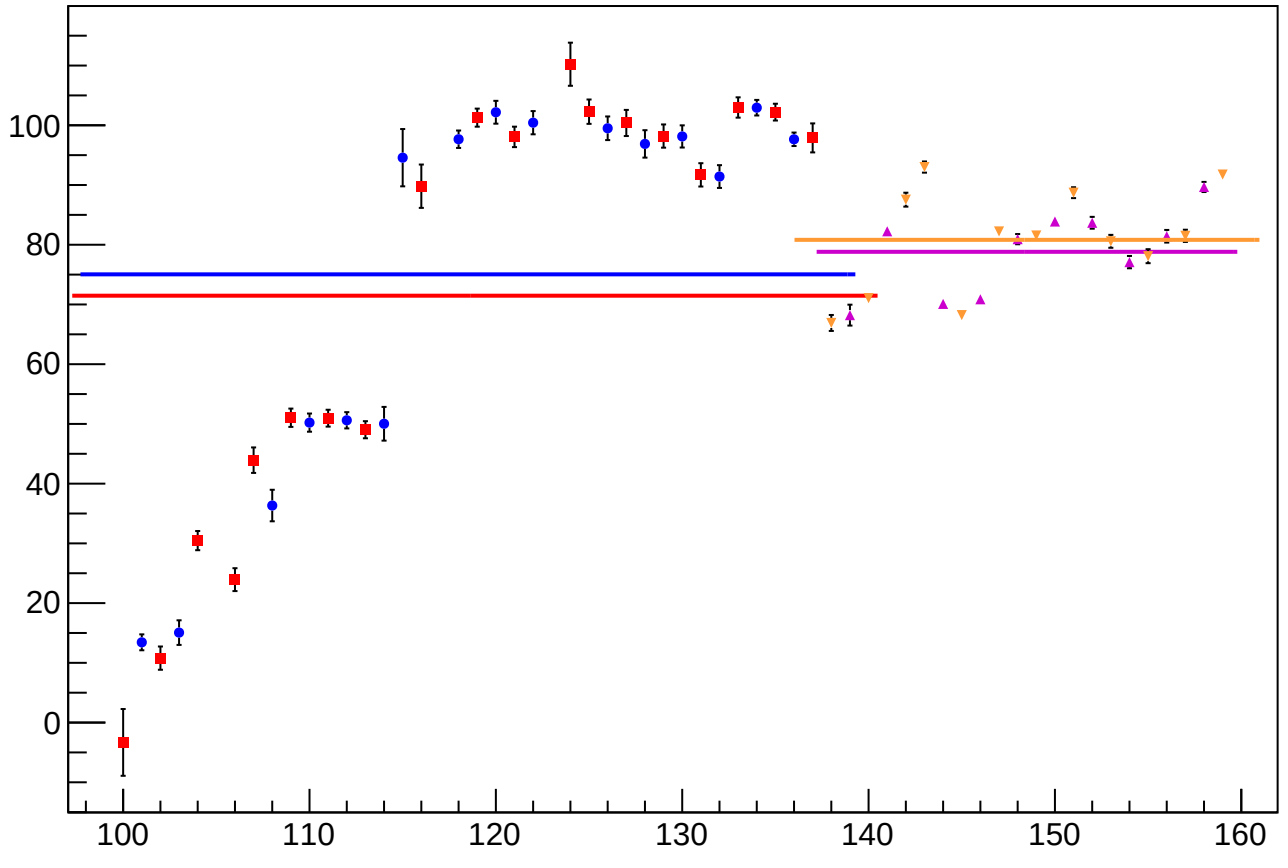
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.526+/-0.197 χ^2/NDF:1565.3/25

Out: 32.922+/-0.191 χ^2/NDF:1825.6/30

All: 32.730+/-0.137 χ^2/NDF: 3393.0/56


reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -46.160+/-0.390 χ²/NDF: 1489.6/15
Left Out: -48.068+/-0.314 χ²/NDF:720.0/11
Right Out: -43.730+/-0.378 χ²/NDF: 1663.4/18
Left In: -48.622+/-0.325 χ²/NDF:656.1/9
Left: -48.335+/-0.226 χ²/NDF: 1377.5/21
Right: -44.909+/-0.271 χ²/NDF: 3173.0/34
In: -47.611+/-0.250 χ²/NDF:2169.2/25
Out: -46.301+/-0.241 χ²/NDF:2461.3/30
All: -46.934+/-0.174 χ²/NDF: 4644.7/56



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 80.820+/-0.265 χ^2/NDF:998.2/11

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 78.815+/-0.275 χ^2/NDF:586.3/9

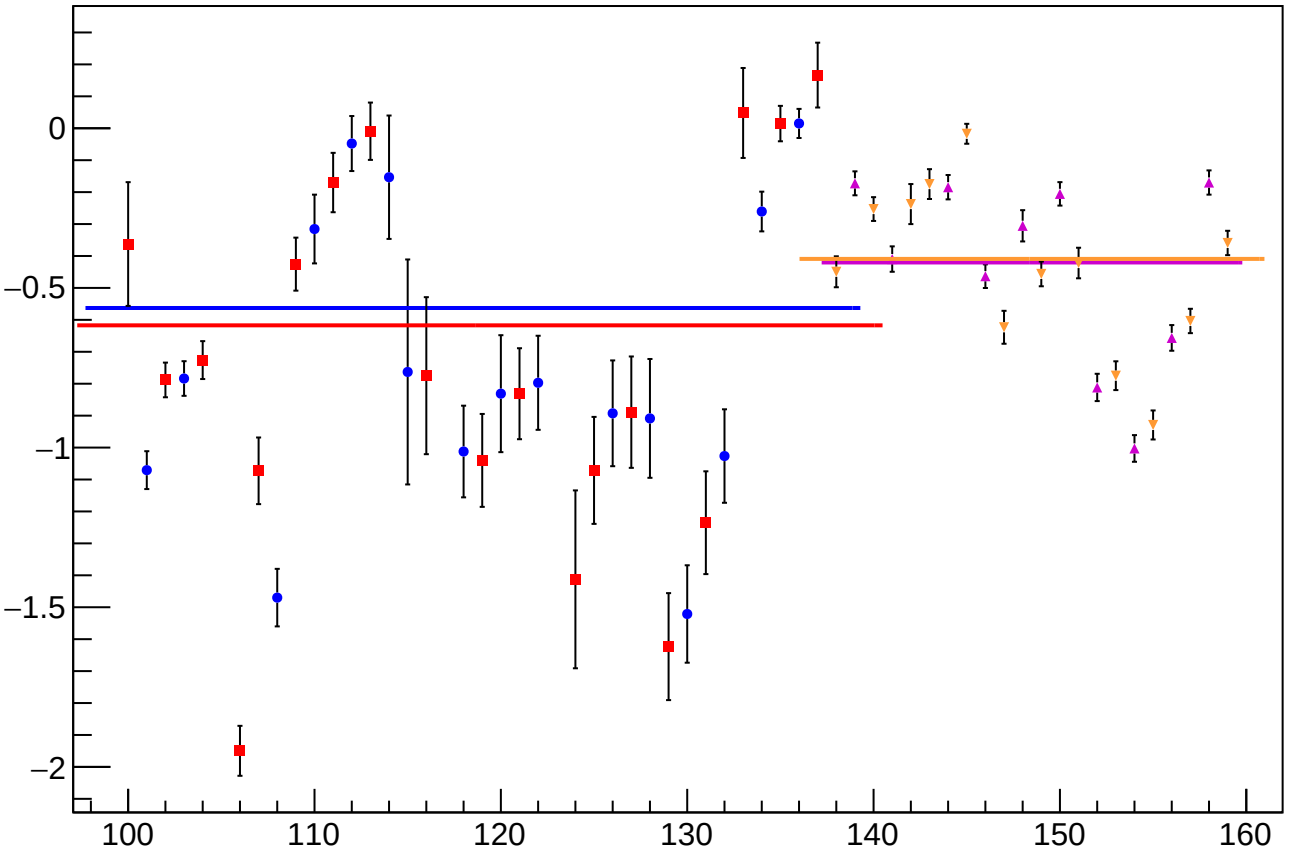
Left: 79.853+/-0.191 χ^2/NDF: 1612.2/21

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 77.713+/-0.231 χ^2/NDF:6469.8/25

Out: 78.208+/-0.225 χ^2/NDF:6974.3/30

All: 77.968+/-0.161 χ^2/NDF: 13446.5/56



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.409+/-0.012 χ^2/NDF:451.9/11

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.420+/-0.013 χ^2/NDF:479.4/9

Left: -0.415+/-0.009 χ^2/NDF: 931.7/21

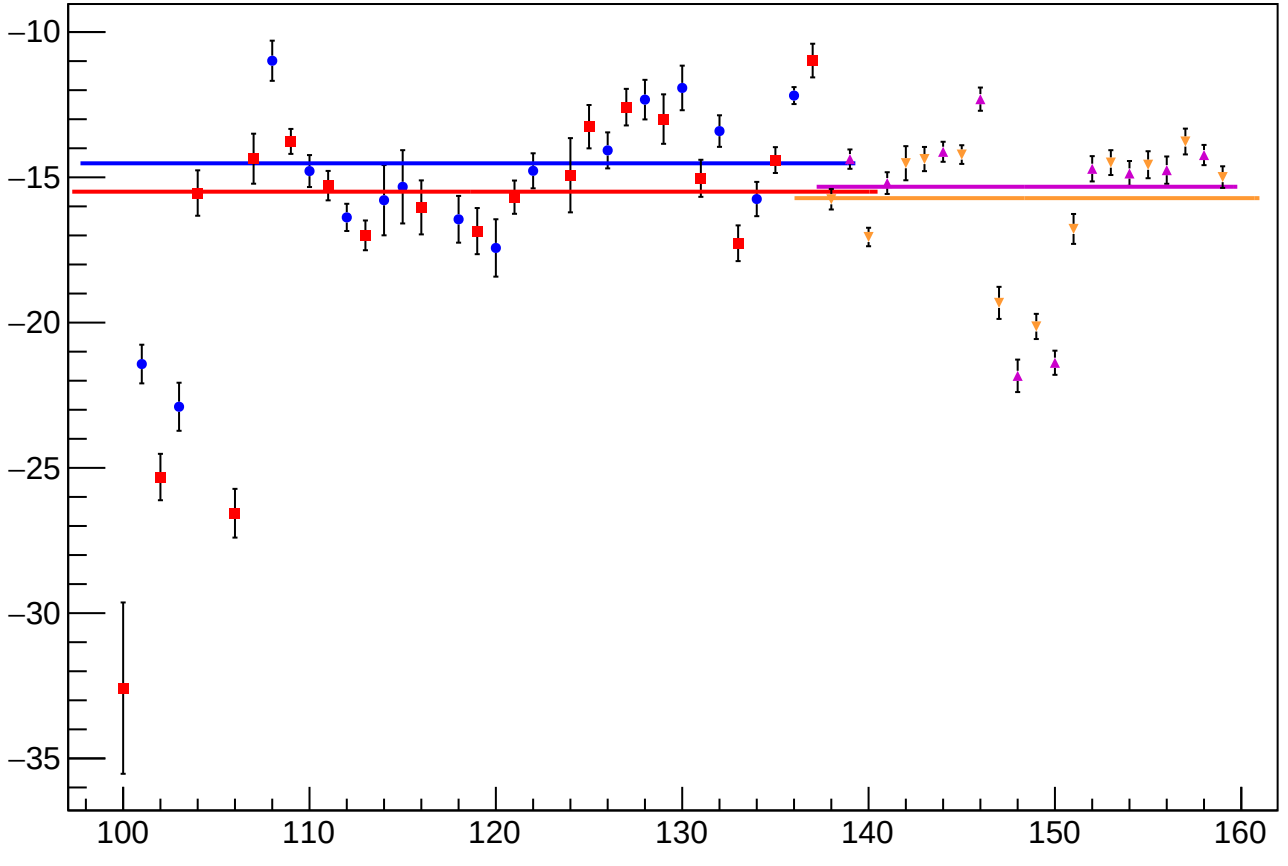
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.455+/-0.011 χ^2/NDF:1003.6/25

Out: -0.457+/-0.011 χ^2/NDF:1209.5/30

All: -0.456+/-0.008 χ^2/NDF: 2213.1/56

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.716+/-0.119 χ^2/NDF:242.2/11

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.324+/-0.126 χ^2/NDF:439.6/9

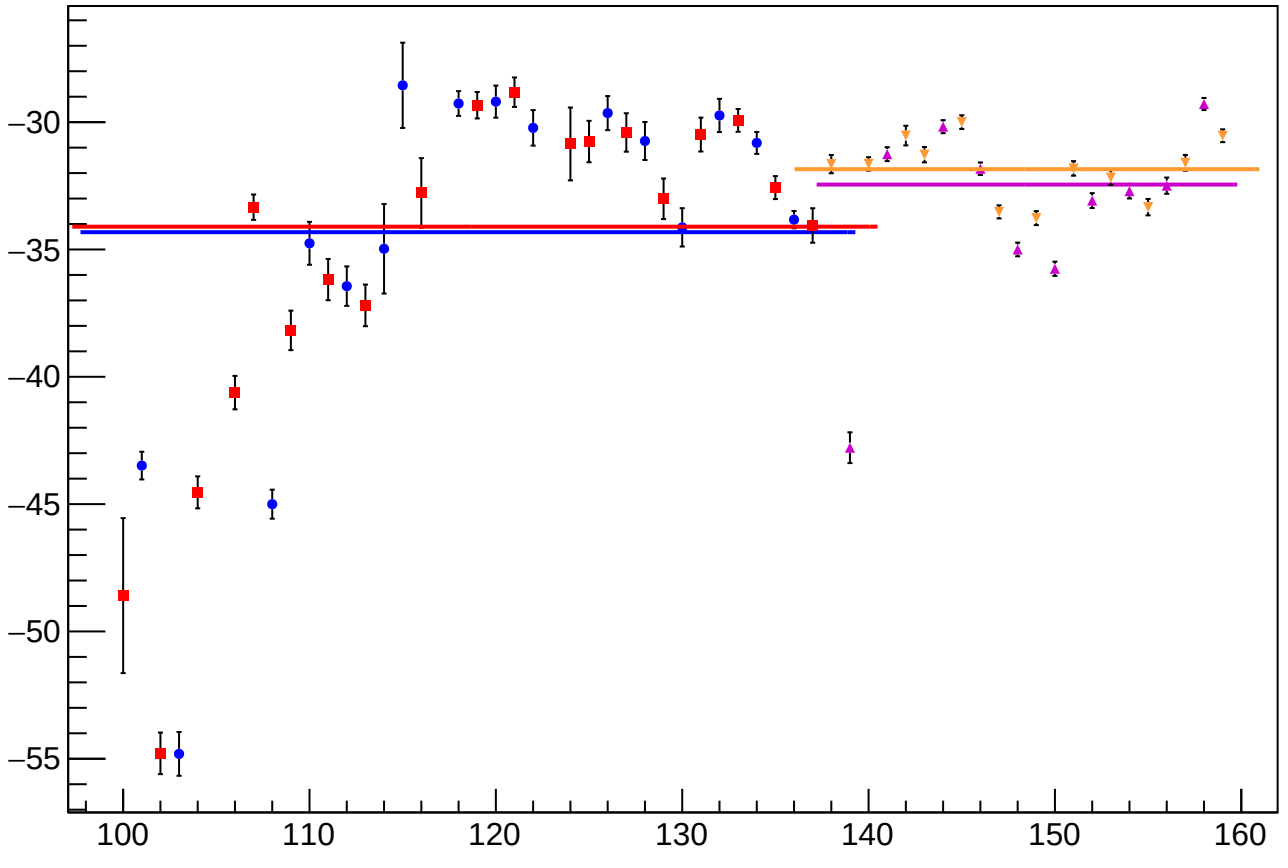
Left: -15.532+/-0.086 χ^2/NDF: 686.9/21

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.990+/-0.096 χ^2/NDF:820.0/25

Out: -15.631+/-0.093 χ^2/NDF:747.4/30

All: -15.321+/-0.067 χ^2/NDF: 1590.3/56



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.847+/-0.084 χ^2/NDF:204.3/11

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -32.450+/-0.089 χ^2/NDF:809.6/9

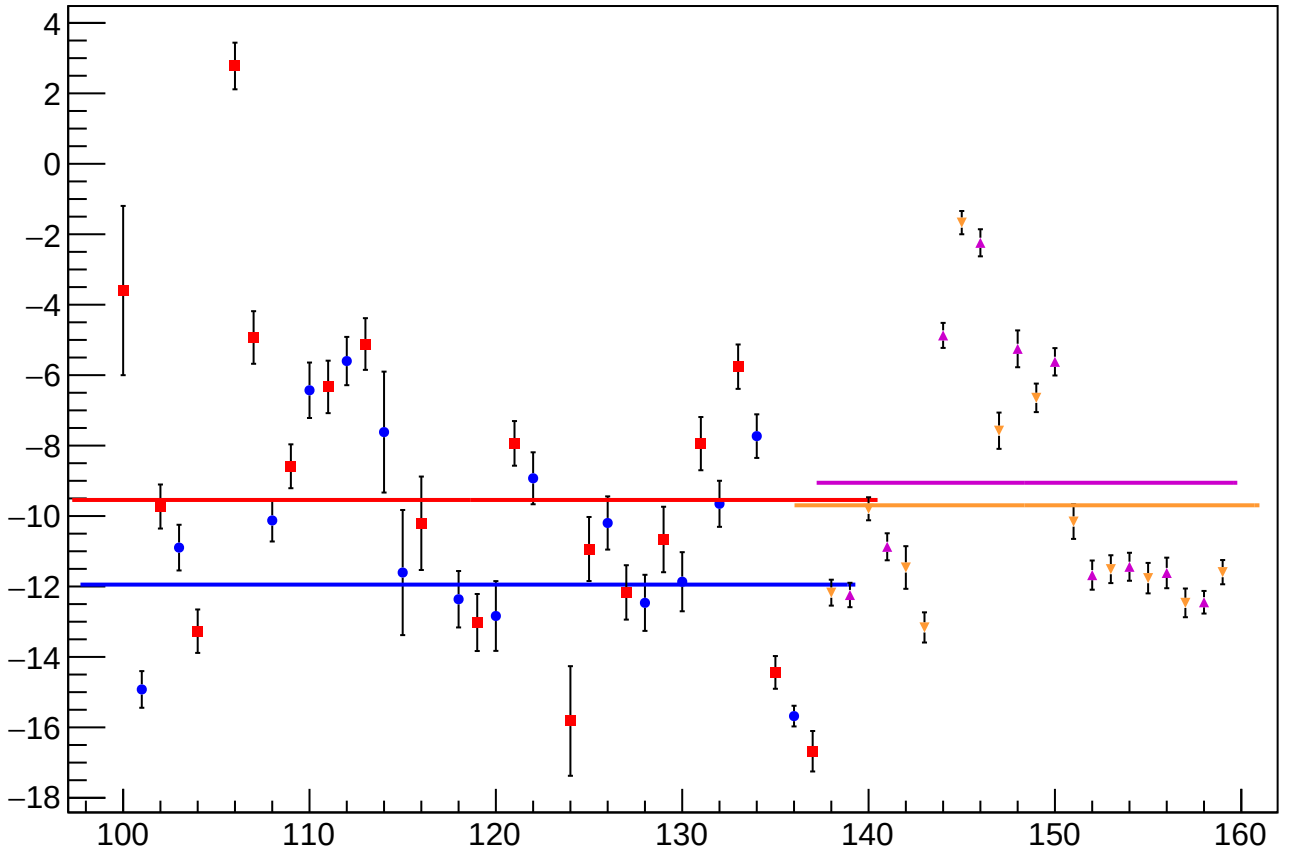
Left: -32.131+/-0.061 χ^2/NDF: 1038.1/21

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.923+/-0.077 χ^2/NDF:2541.4/25

Out: -32.364+/-0.074 χ^2/NDF:1804.3/30

All: -32.632+/-0.053 χ^2/NDF: 4373.2/56



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -9.695+/-0.116 χ^2/NDF:905.9/11

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.055+/-0.122 χ^2/NDF:913.1/9

Left: -9.391+/-0.084 χ^2/NDF: 1833.5/21

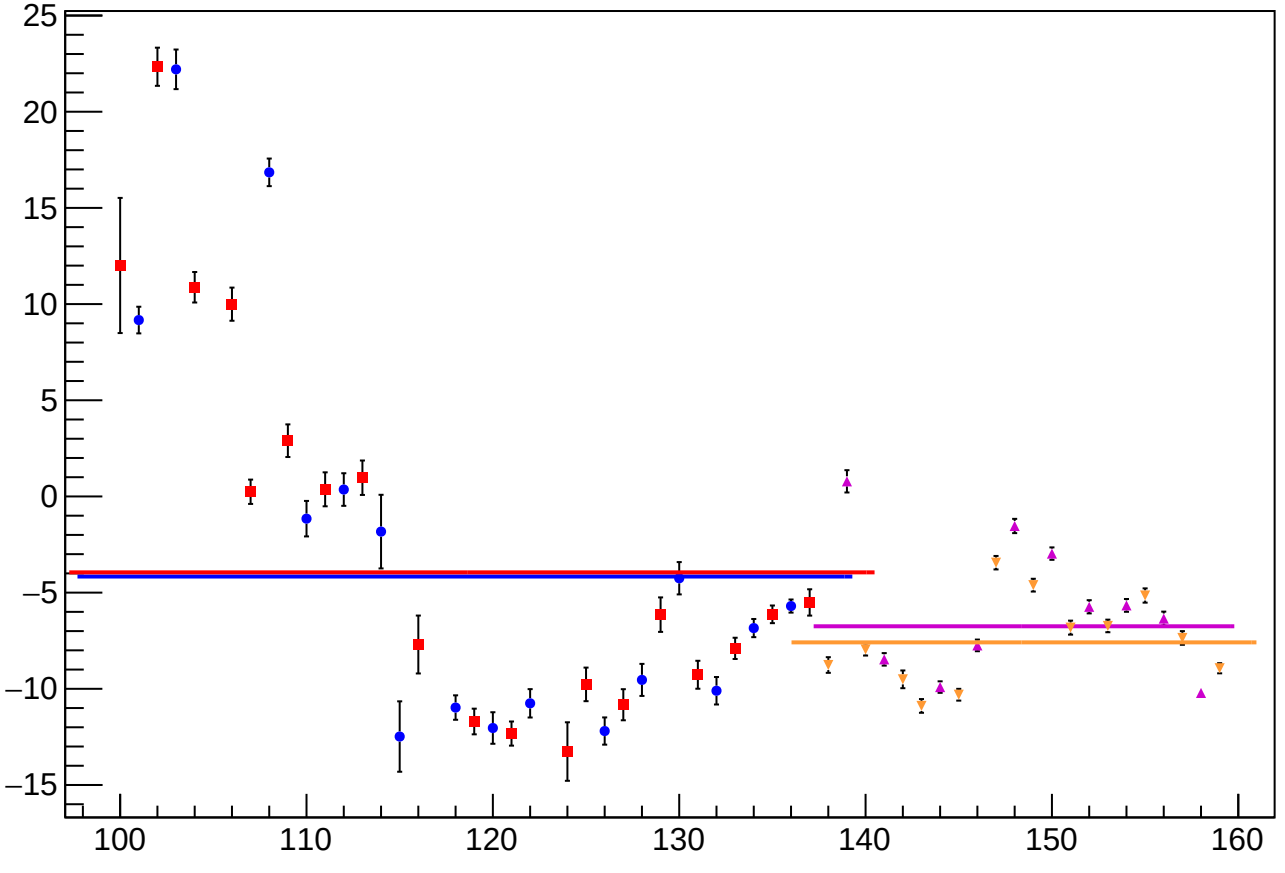
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.116+/-0.097 χ^2/NDF:1549.4/25

Out: -9.645+/-0.095 χ^2/NDF:1753.6/30

All: -9.876+/-0.068 χ^2/NDF: 3315.1/56

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: -7.586+/-0.099 χ^2/NDF:491.9/11

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.750+/-0.104 χ^2/NDF:867.4/9

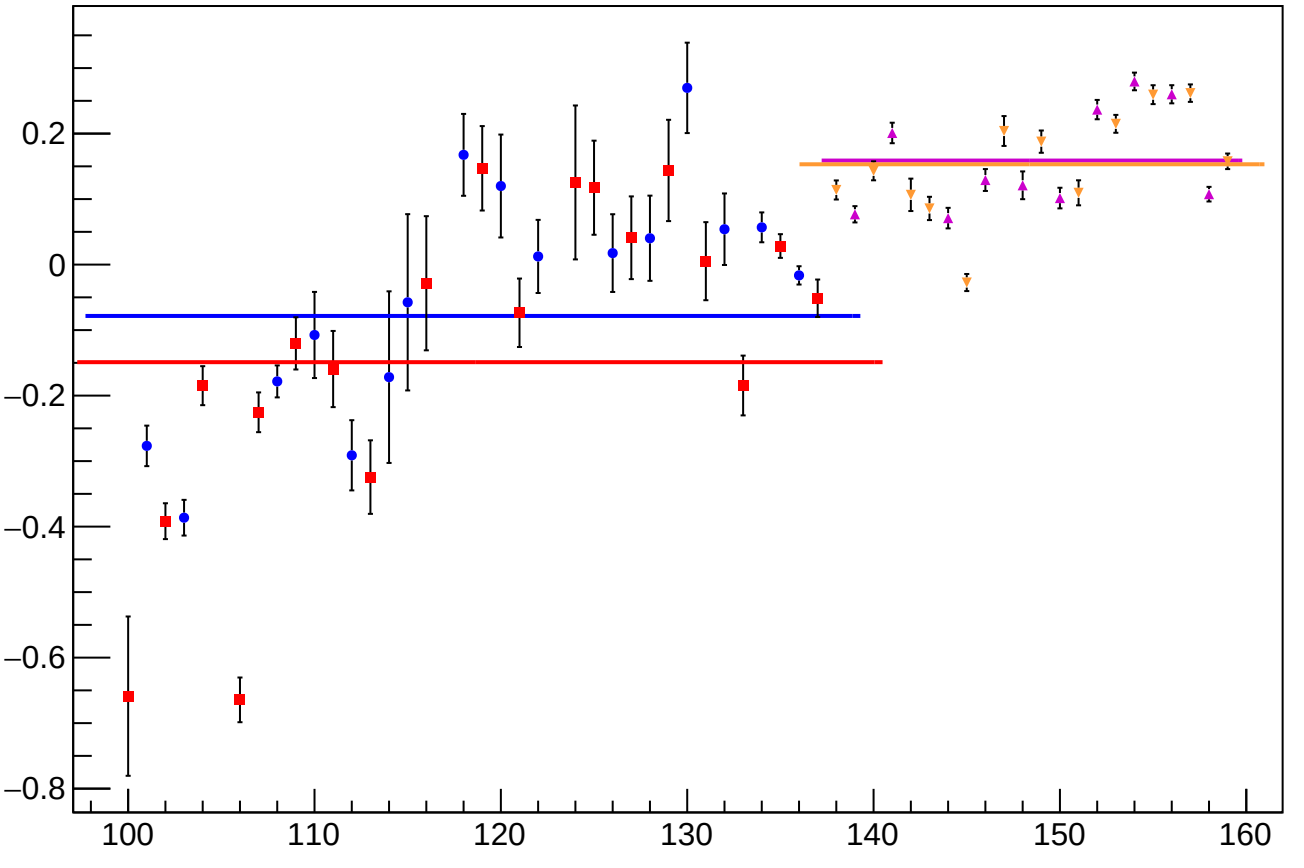
Left: -7.190+/-0.072 χ^2/NDF: 1393.4/21

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.057+/-0.089 χ^2/NDF:3558.1/25

Out: -6.716+/-0.086 χ^2/NDF:2927.4/30

All: -6.397+/-0.062 χ^2/NDF: 6513.8/56



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.153+/-0.004 χ^2/NDF:373.0/11

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.159+/-0.005 χ^2/NDF:284.3/9

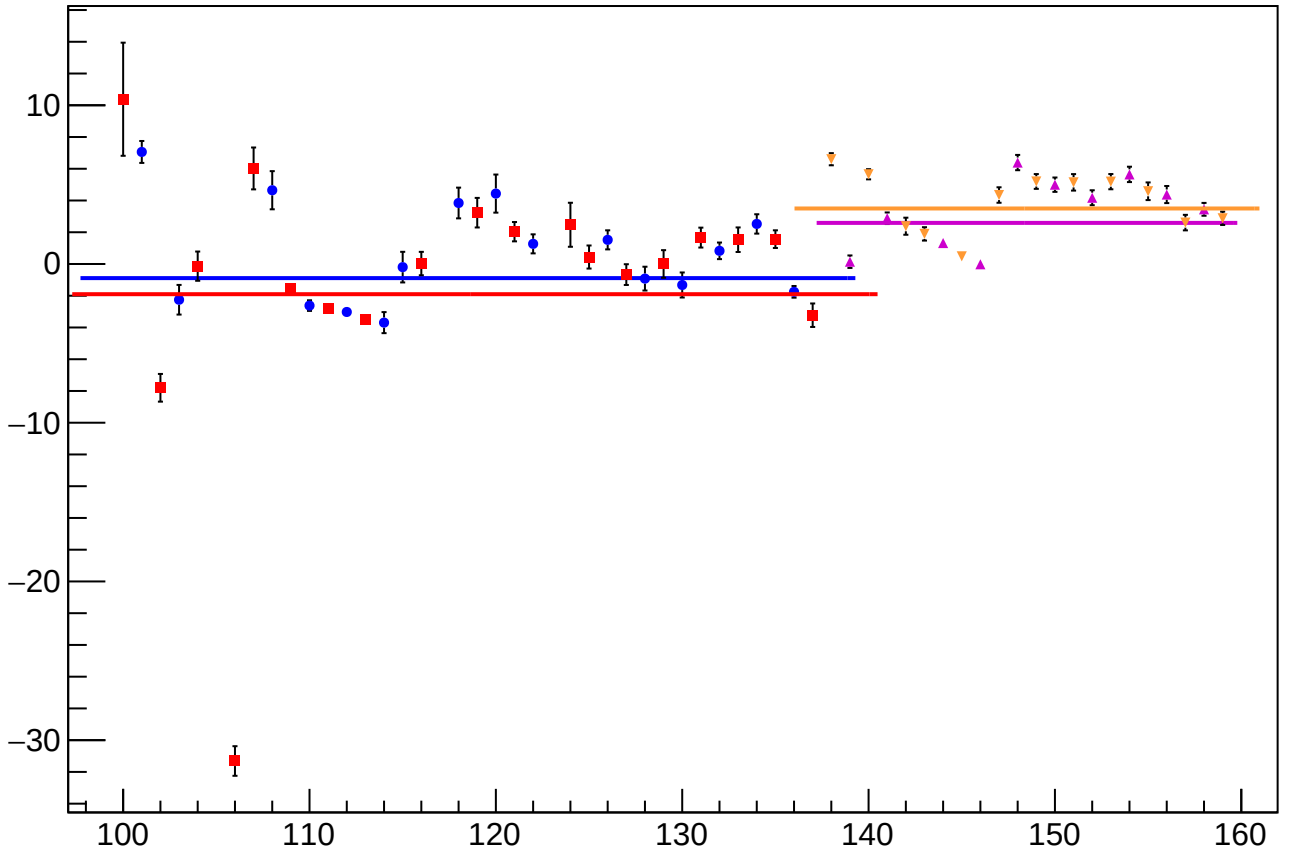
Left: 0.156+/-0.003 χ^2/NDF: 658.0/21

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.106+/-0.004 χ^2/NDF:1199.3/25

Out: 0.095+/-0.004 χ^2/NDF:1793.7/30

All: 0.101+/-0.003 χ^2/NDF: 2996.8/56



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.497+/-0.118 χ^2/NDF:329.5/11

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.589+/-0.123 χ^2/NDF:293.2/9

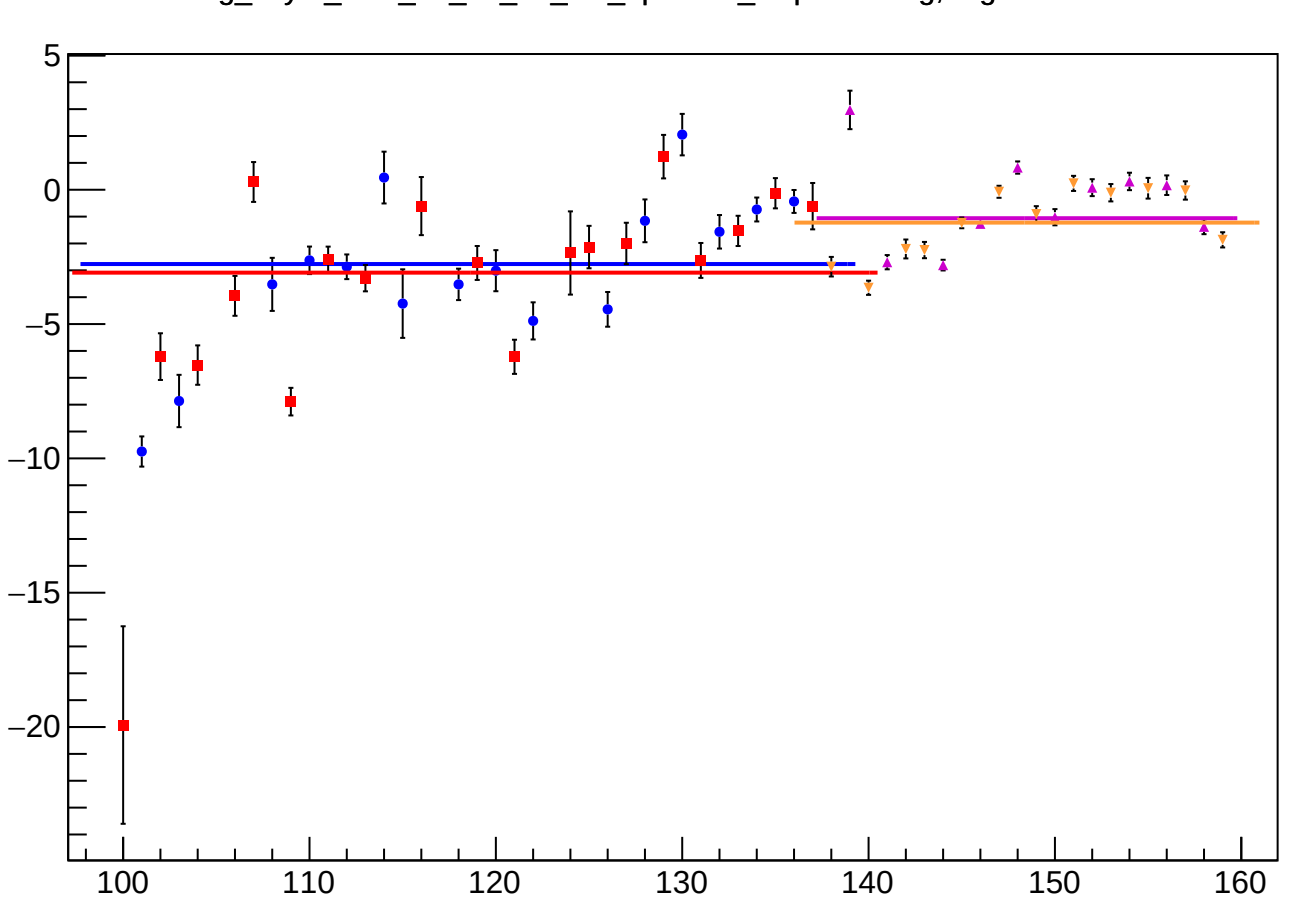
Left: 3.063+/-0.085 χ^2/NDF: 651.2/21

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.034+/-0.091 χ^2/NDF:1031.9/25

Out: 1.032+/-0.087 χ^2/NDF:2623.2/30

All: 1.033+/-0.063 χ^2/NDF: 3655.1/56



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.223+/-0.082 χ^2/NDF:218.1/11

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.060+/-0.083 χ^2/NDF:259.9/9

Left: -1.143+/-0.059 χ^2/NDF: 479.9/21

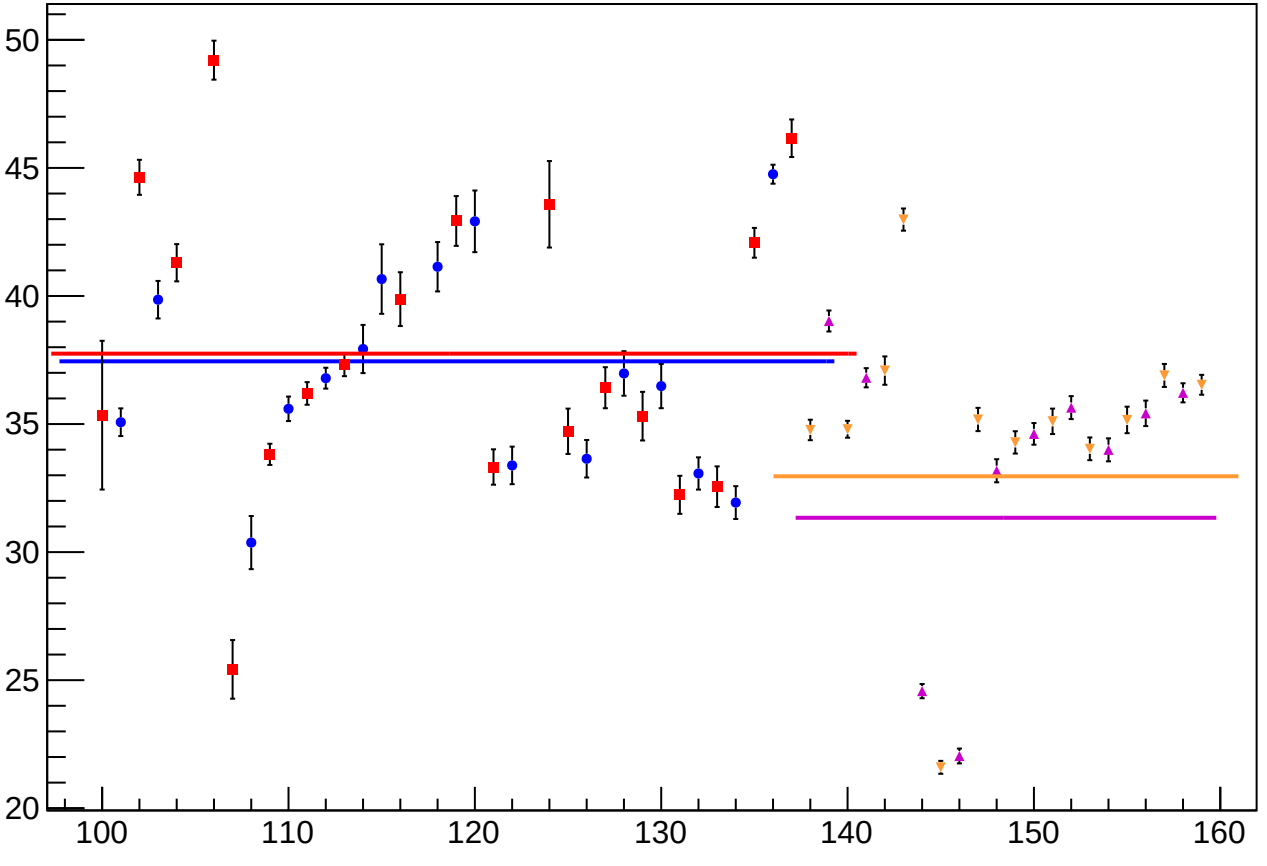
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.438+/-0.074 χ^2/NDF:662.7/25

Out: -1.624+/-0.073 χ^2/NDF:600.3/30

All: -1.532+/-0.052 χ^2/NDF: 1266.2/56

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: 32.960+/-0.116 χ^2/NDF:2905.8/11

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.340+/-0.120 χ^2/NDF:2627.9/9

Left: 32.177+/-0.083 χ^2/NDF: 5628.0/21

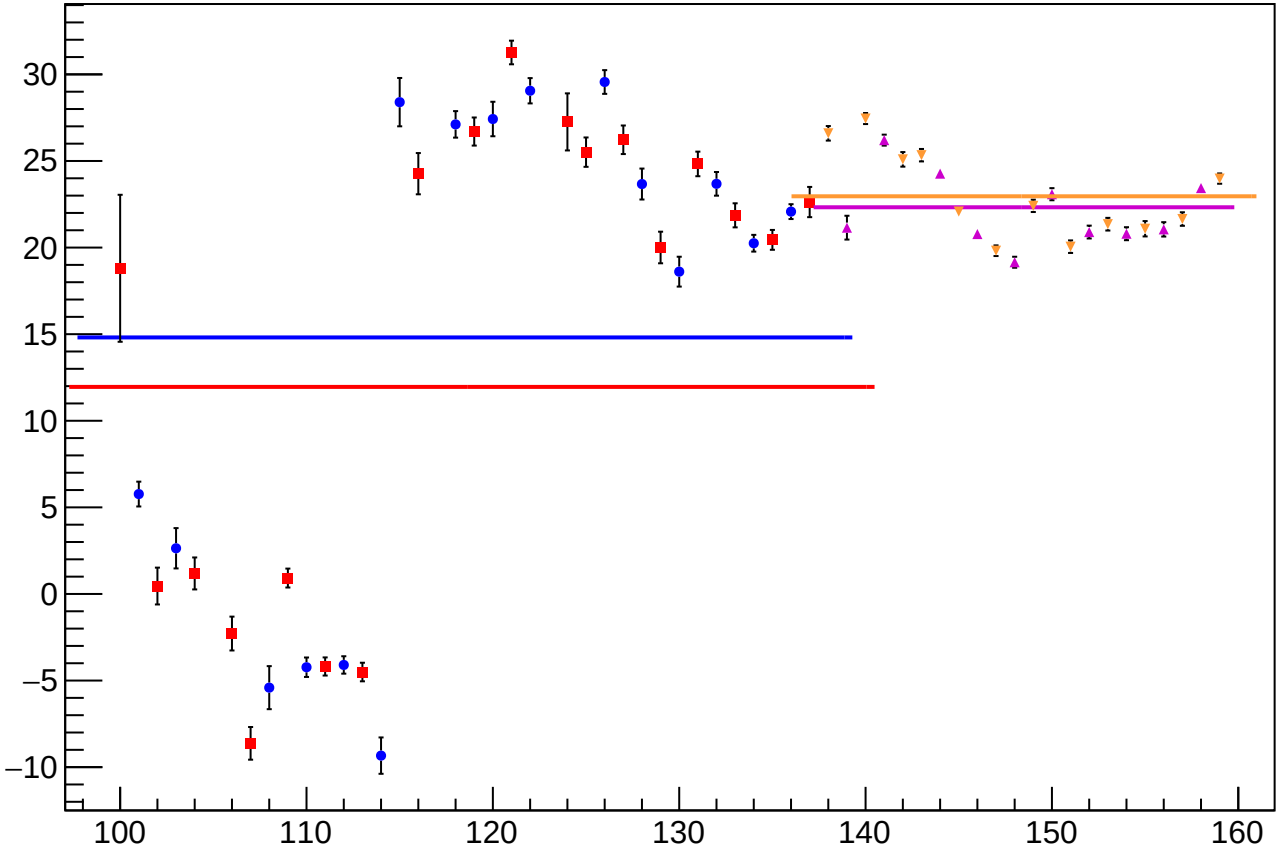
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.523+/-0.096 χ^2/NDF:4263.1/25

Out: 34.618+/-0.094 χ^2/NDF:4459.3/30

All: 34.084+/-0.067 χ^2/NDF: 8788.9/56

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.961+/-0.098 χ^2/NDF:588.5/11

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.327+/-0.100 χ^2/NDF:430.7/9

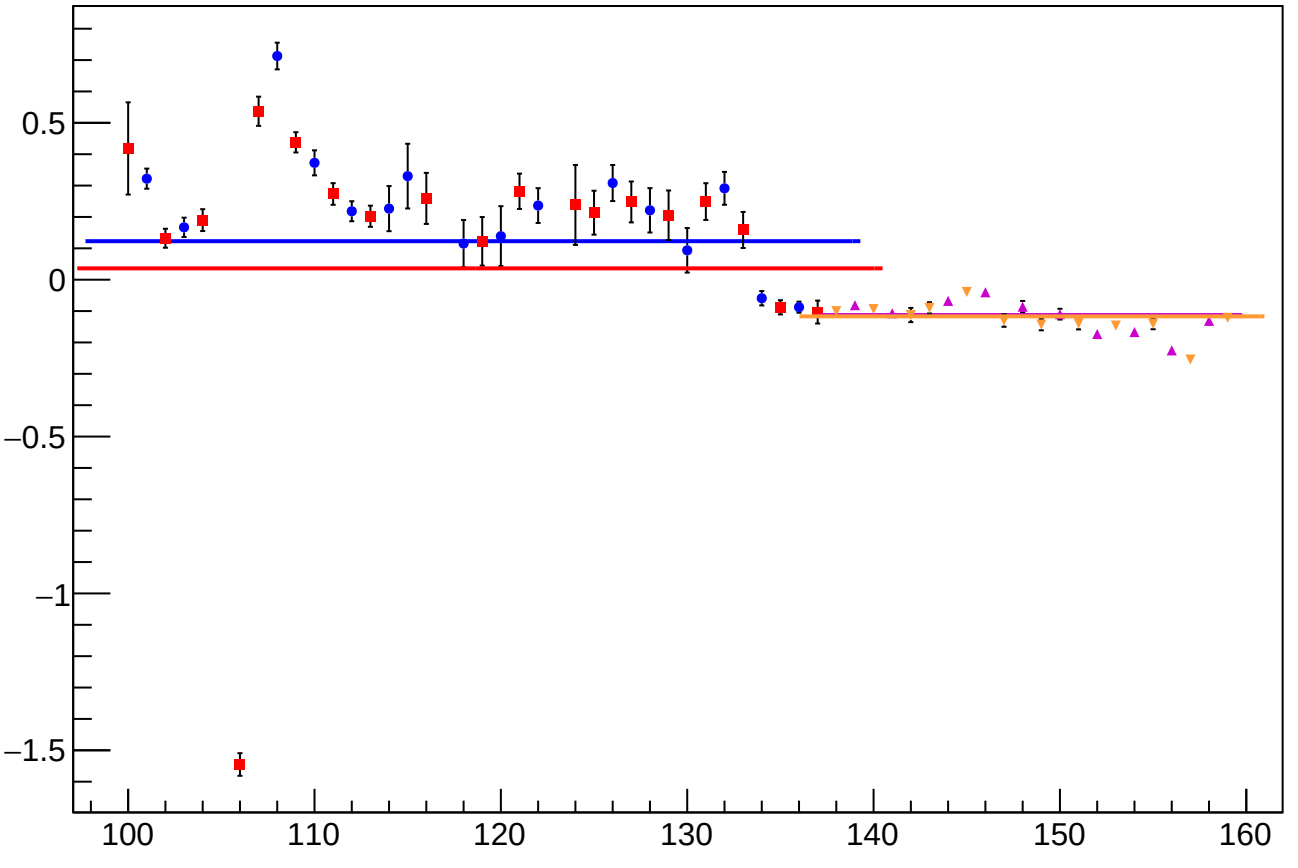
Left: 22.649+/-0.070 χ^2/NDF: 1039.9/21

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.472+/-0.086 χ^2/NDF:7523.9/25

Out: 20.380+/-0.086 χ^2/NDF:9659.7/30

All: 20.426+/-0.061 χ^2/NDF: 17184.2/56



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.117+/-0.004 χ^2/NDF:163.6/11

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.113+/-0.005 χ^2/NDF:133.1/9

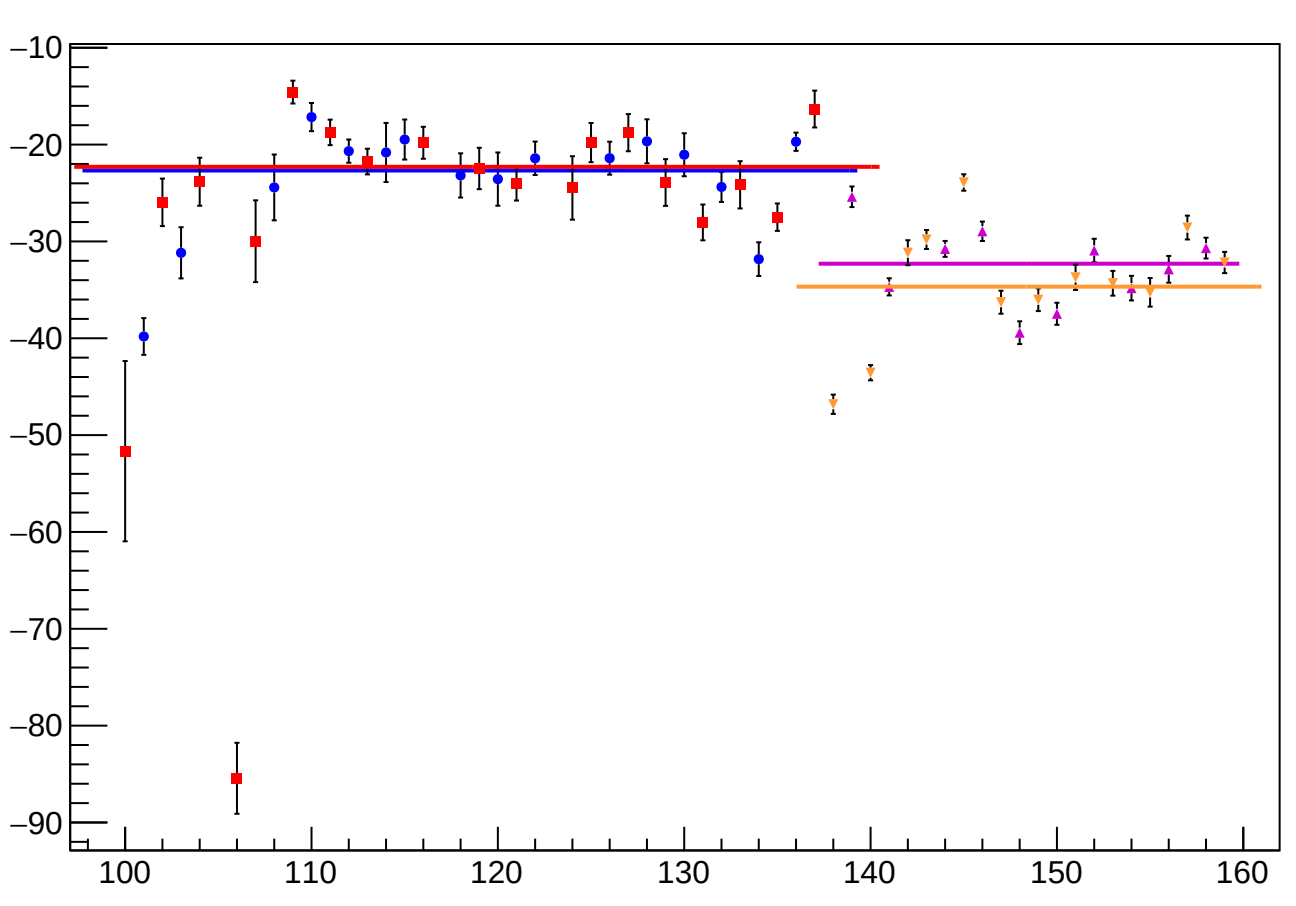
Left: -0.115+/-0.003 χ^2/NDF: 297.2/21

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.067+/-0.004 χ^2/NDF:1156.8/25

Out: -0.090+/-0.004 χ^2/NDF:2780.6/30

All: -0.079+/-0.003 χ^2/NDF: 3953.6/56



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -34.669+/-0.312 χ^2/NDF:502.5/11

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.301+/-0.337 χ^2/NDF:129.2/9

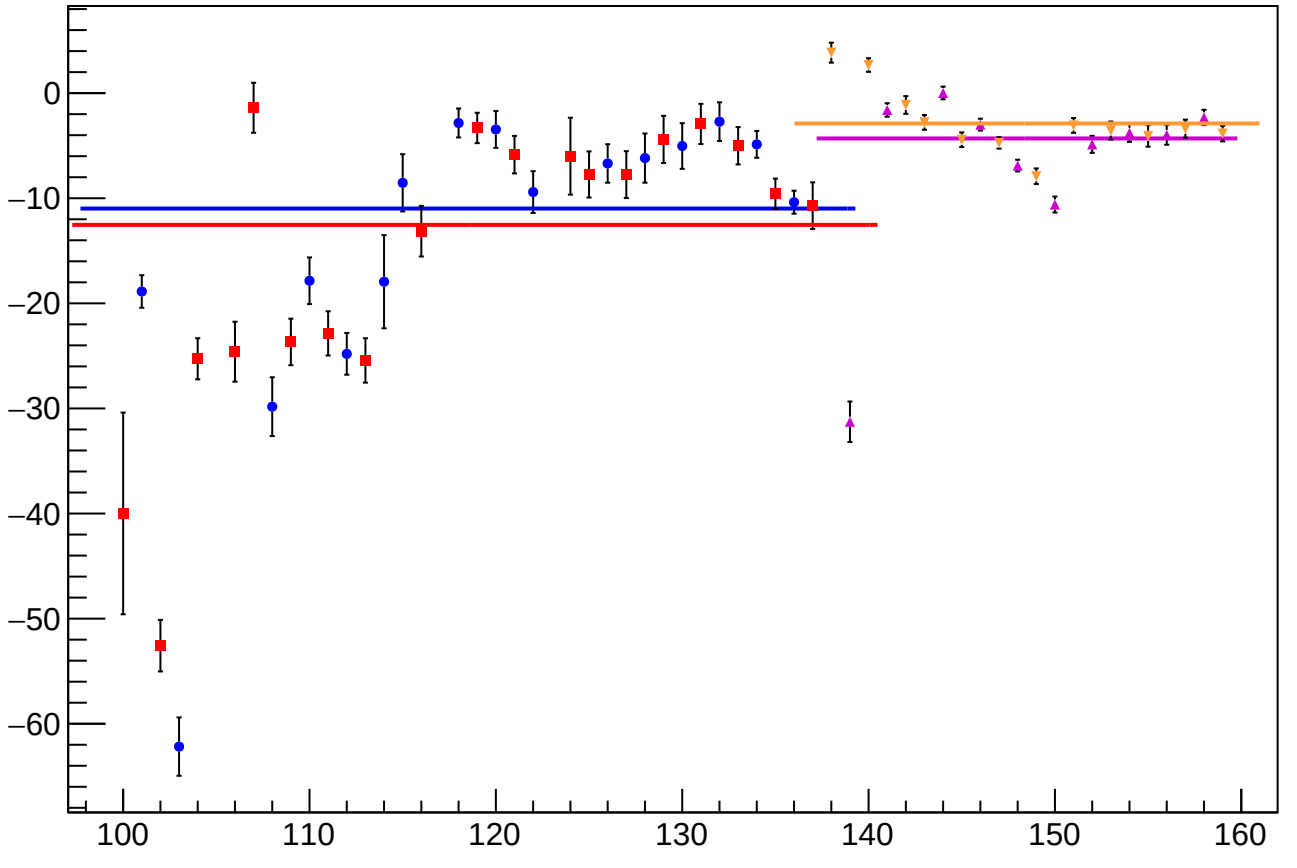
Left: -33.573+/-0.229 χ^2/NDF: 658.3/21

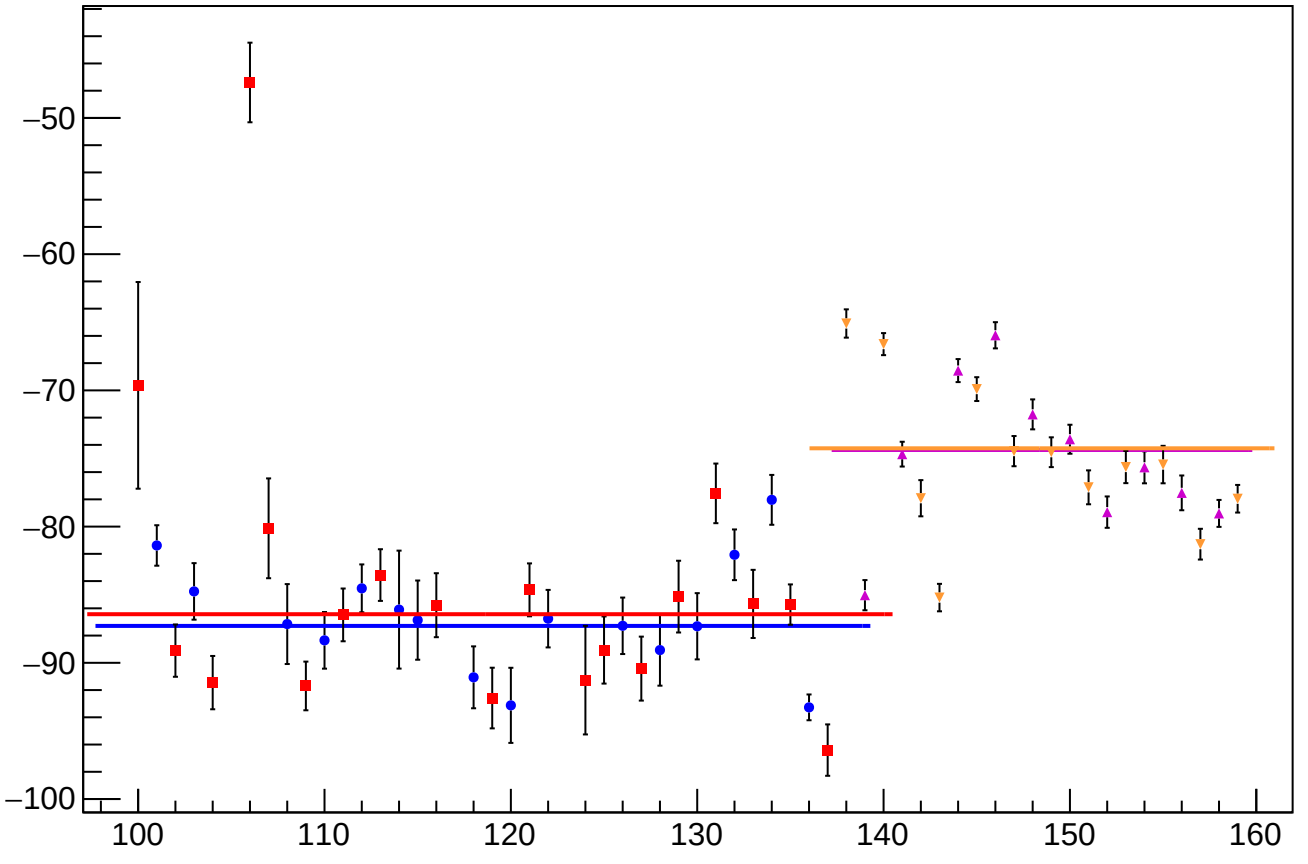
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.692+/-0.266 χ^2/NDF:590.3/25

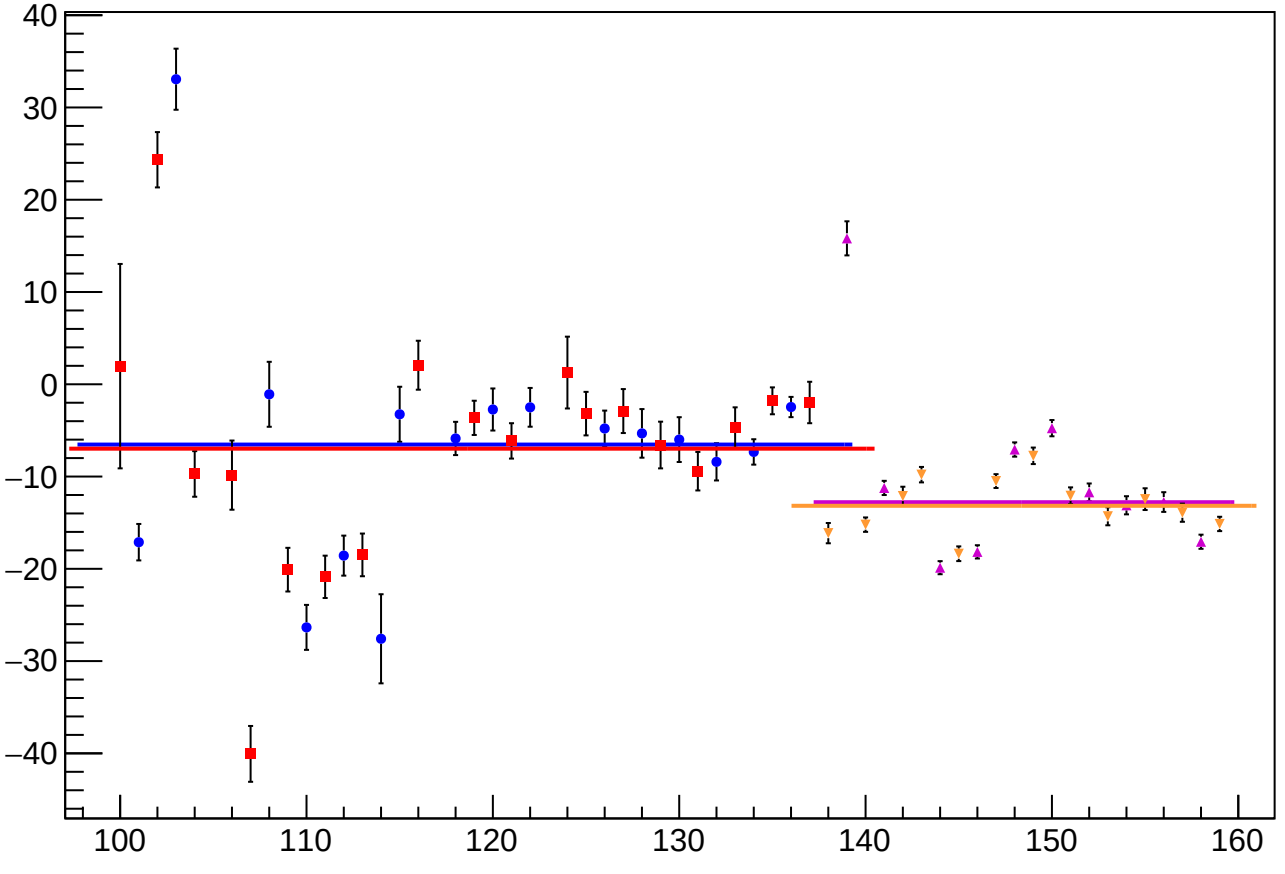
Out: -30.460+/-0.254 χ^2/NDF:1441.5/30

All: -29.617+/-0.184 χ^2/NDF: 2055.0/56


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
Right In: -10.978+/-0.453 χ²/NDF: 587.3/15
Left Out: -2.885+/-0.215 χ²/NDF:194.1/11
Right Out: -12.533+/-0.481 χ²/NDF: 572.3/18
Left In: -4.311+/-0.227 χ²/NDF:369.0/9
Left: -3.560+/-0.156 χ²/NDF: 583.9/21
Right: -11.710+/-0.330 χ²/NDF: 1165.1/34
In: -5.645+/-0.203 χ²/NDF:1129.3/25
Out: -4.492+/-0.196 χ²/NDF:1101.6/30
All: -5.050+/-0.141 χ²/NDF: 2247.6/56


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -74.252+/-0.307 χ²/NDF:377.3/11
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -74.374+/-0.327 χ²/NDF:268.3/9
Left: -74.309+/-0.224 χ²/NDF: 645.7/21
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -78.469+/-0.271 χ²/NDF:862.8/25
Out: -77.530+/-0.262 χ²/NDF:1065.7/30
All: -77.985+/-0.188 χ²/NDF: 1934.7/56

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: -13.169+/-0.257 χ^2/NDF:133.5/11

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -12.782+/-0.271 χ^2/NDF:569.8/9

Left: -12.986+/-0.187 χ^2/NDF: 704.4/21

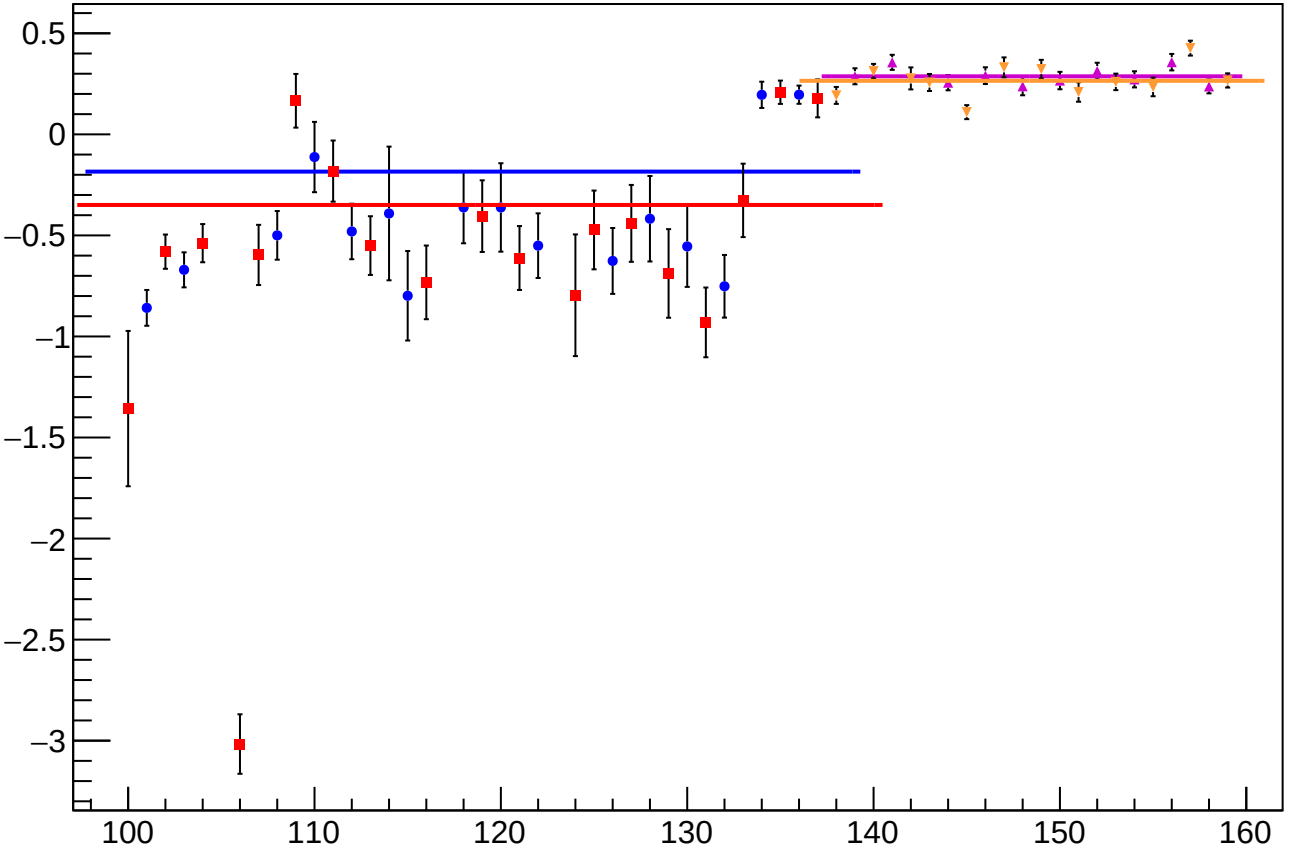
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.394+/-0.239 χ^2/NDF:1001.4/25

Out: -12.032+/-0.232 χ^2/NDF:608.4/30

All: -11.723+/-0.167 χ^2/NDF: 1613.5/56

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: 0.265+/-0.012 χ^2/NDF:49.2/11

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.287+/-0.013 χ^2/NDF:11.2/9

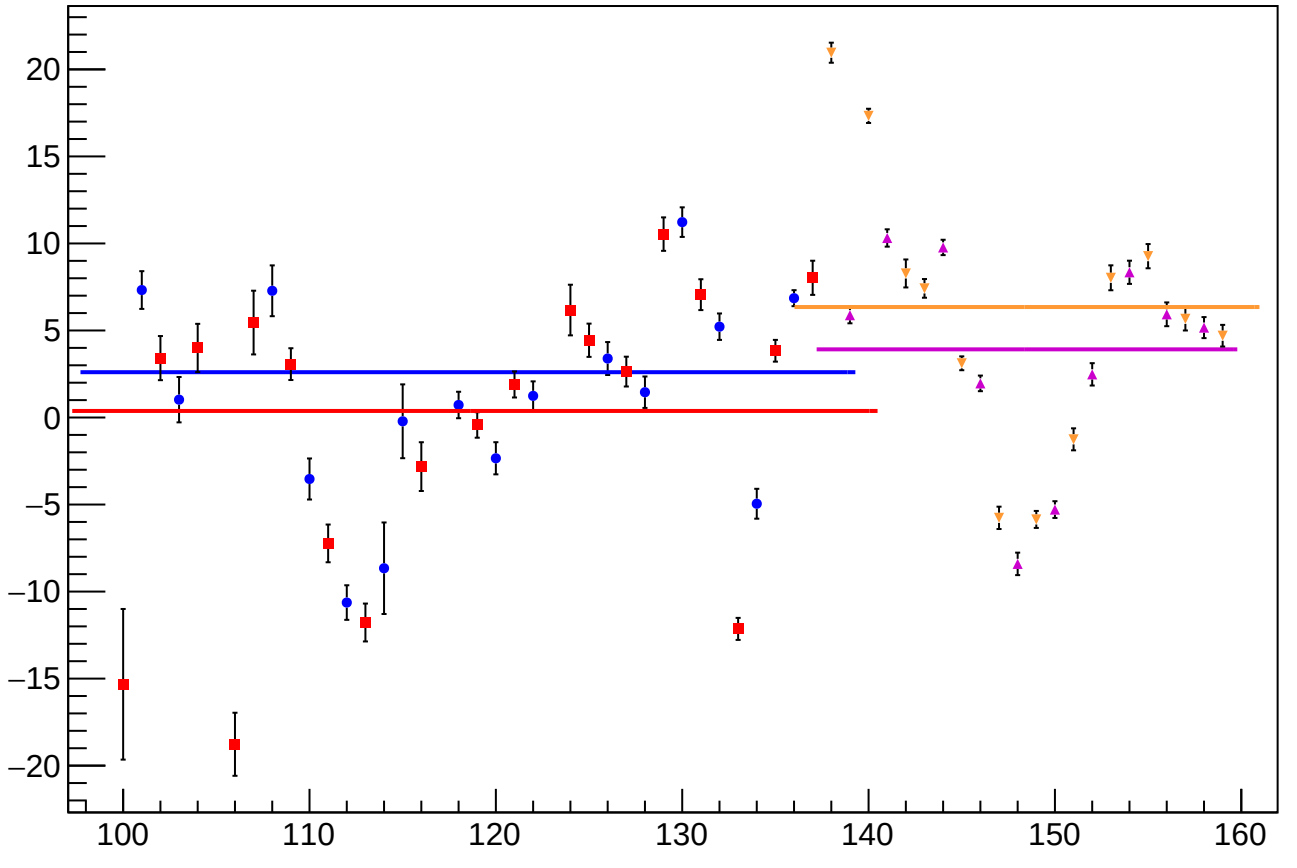
Left: 0.275+/-0.009 χ^2/NDF: 62.0/21

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.202+/-0.011 χ^2/NDF:512.8/25

Out: 0.177+/-0.011 χ^2/NDF:942.2/30

All: 0.189+/-0.008 χ^2/NDF: 1457.4/56



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.347+/-0.162 χ^2/NDF:2598.7/11

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.916+/-0.169 χ^2/NDF:1171.2/9

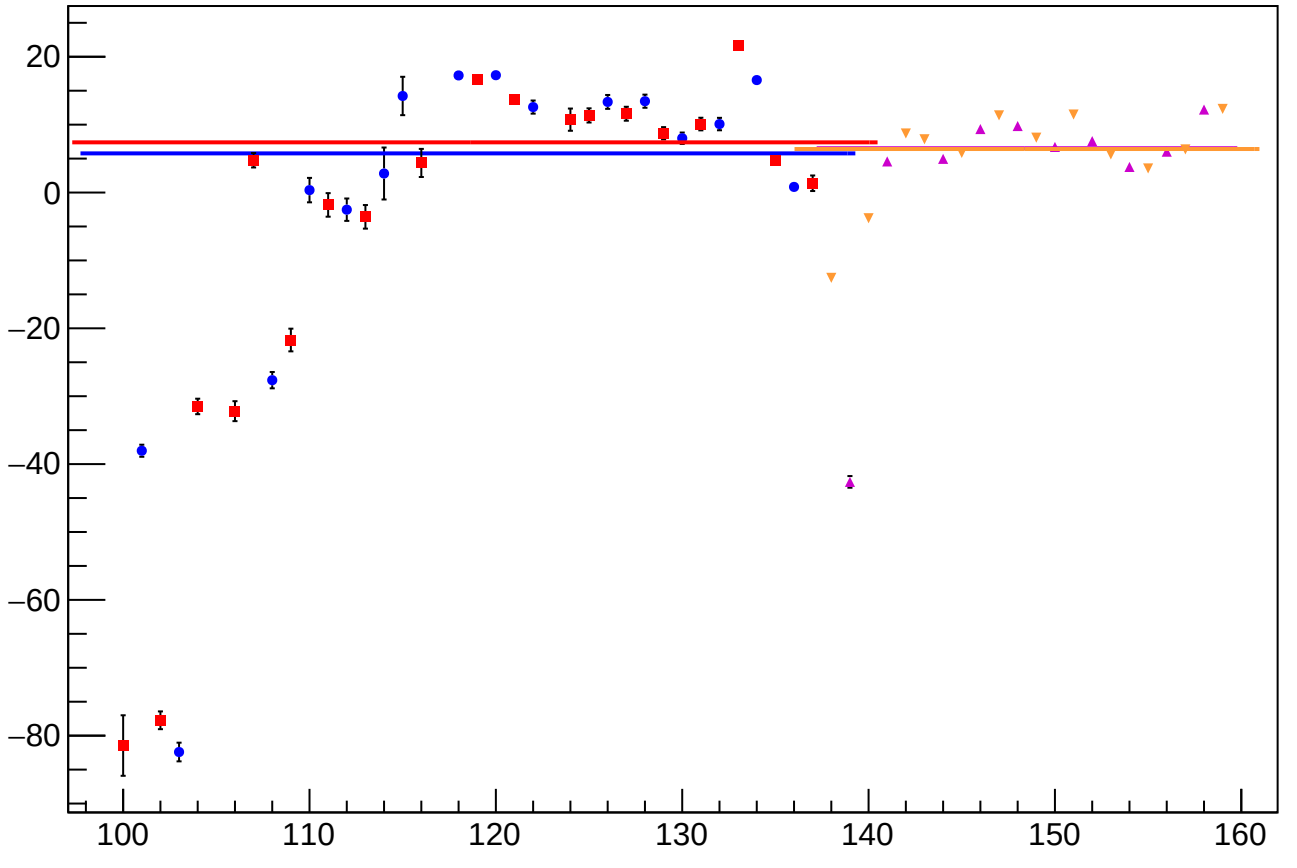
Left: 5.186+/-0.117 χ^2/NDF: 3877.9/21

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.440+/-0.135 χ^2/NDF:1766.1/25

Out: 4.282+/-0.131 χ^2/NDF:4101.6/30

All: 3.874+/-0.094 χ^2/NDF: 5887.8/56



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.412+/-0.113 χ^2/NDF:2729.6/11

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.530+/-0.118 χ^2/NDF:3780.5/9

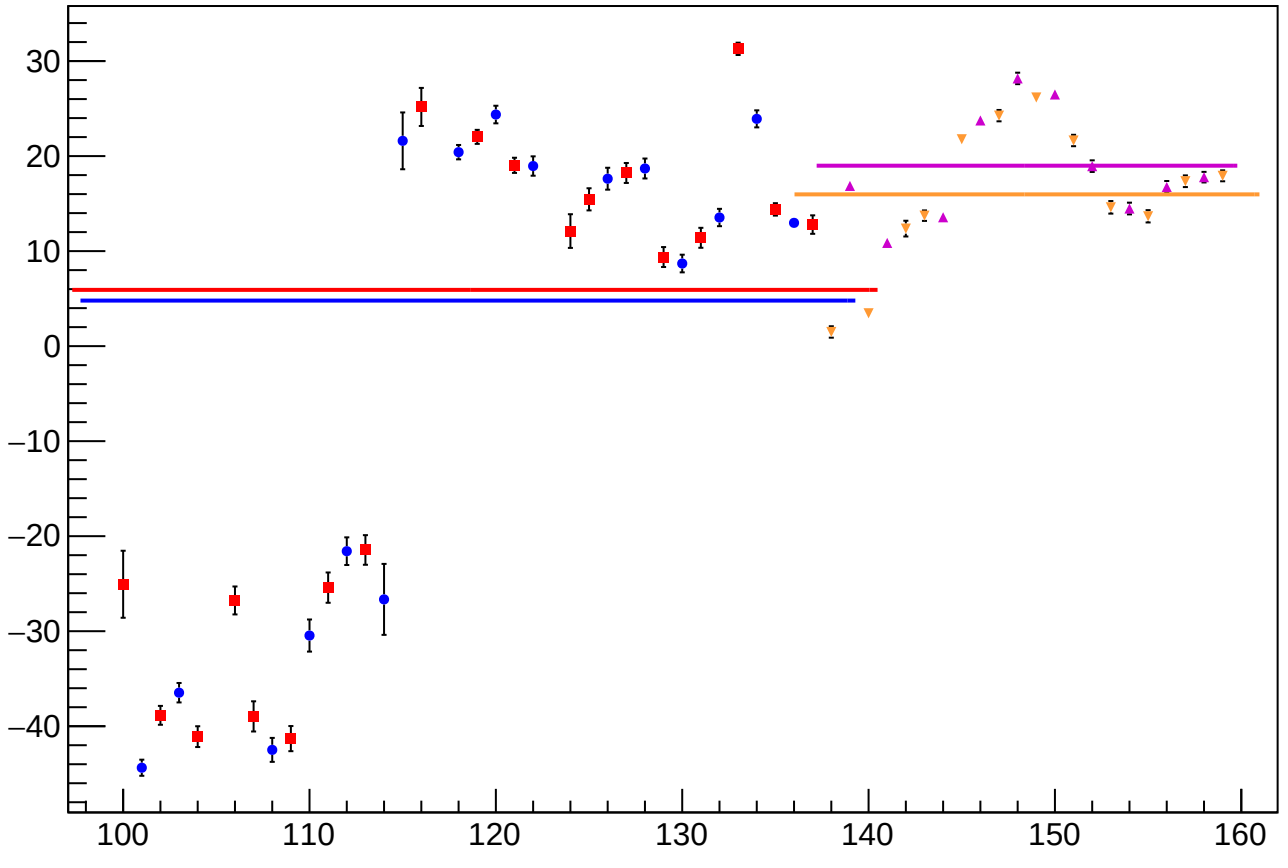
Left: 6.468+/-0.081 χ^2/NDF: 6510.6/21

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.347+/-0.103 χ^2/NDF:12724.4/25

Out: 6.633+/-0.099 χ^2/NDF:11137.3/30

All: 6.495+/-0.071 χ^2/NDF: 23865.6/56



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.972+/-0.158 χ^2/NDF:2517.5/11

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.990+/-0.164 χ^2/NDF:1116.0/9

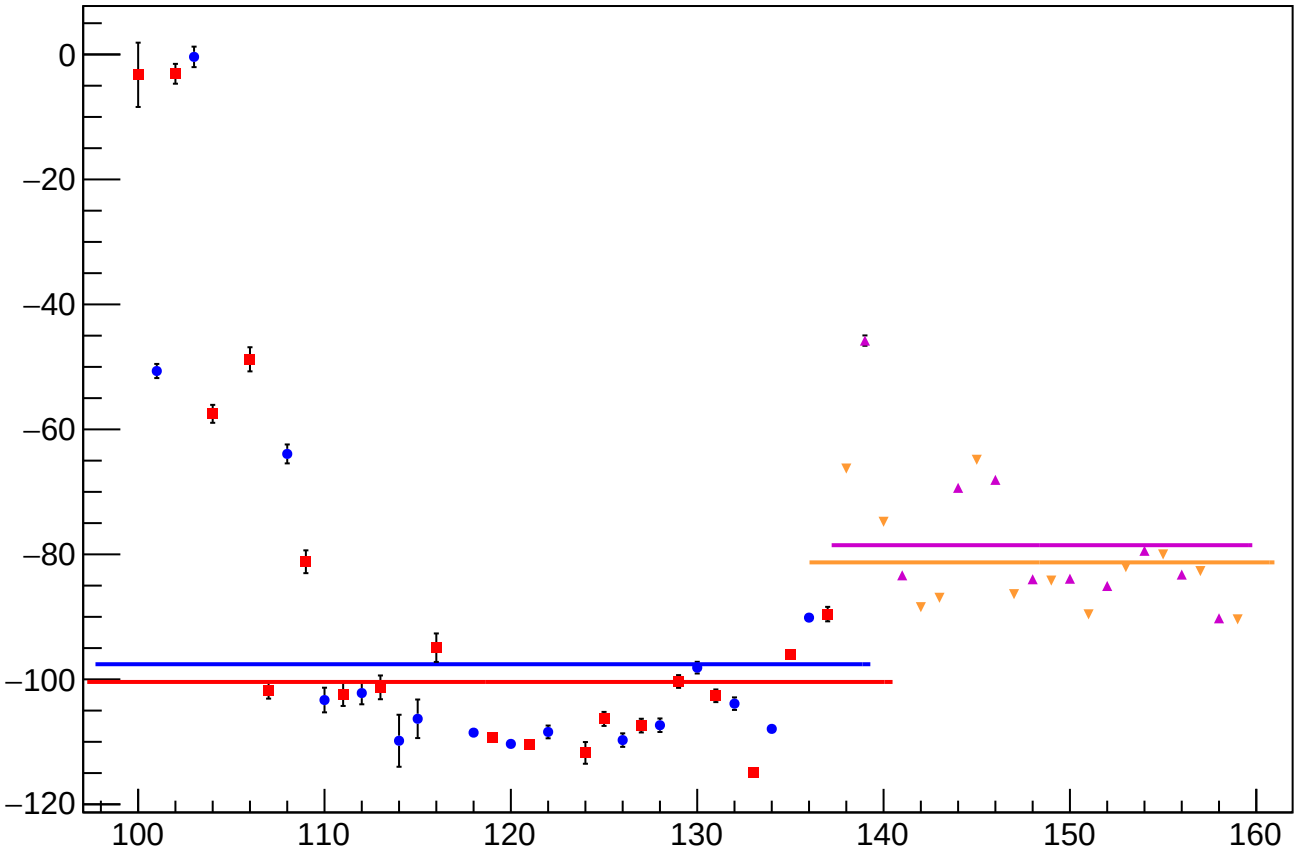
Left: 17.425+/-0.114 χ^2/NDF: 3808.2/21

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.389+/-0.135 χ^2/NDF:13029.6/25

Out: 12.919+/-0.132 χ^2/NDF:13799.0/30

All: 13.638+/-0.095 χ^2/NDF: 26889.1/56



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -81.284+/-0.134 χ^2/NDF:3930.1/11

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -78.533+/-0.140 χ^2/NDF:4566.5/9

Left: -79.964+/-0.097 χ^2/NDF: 8698.8/21

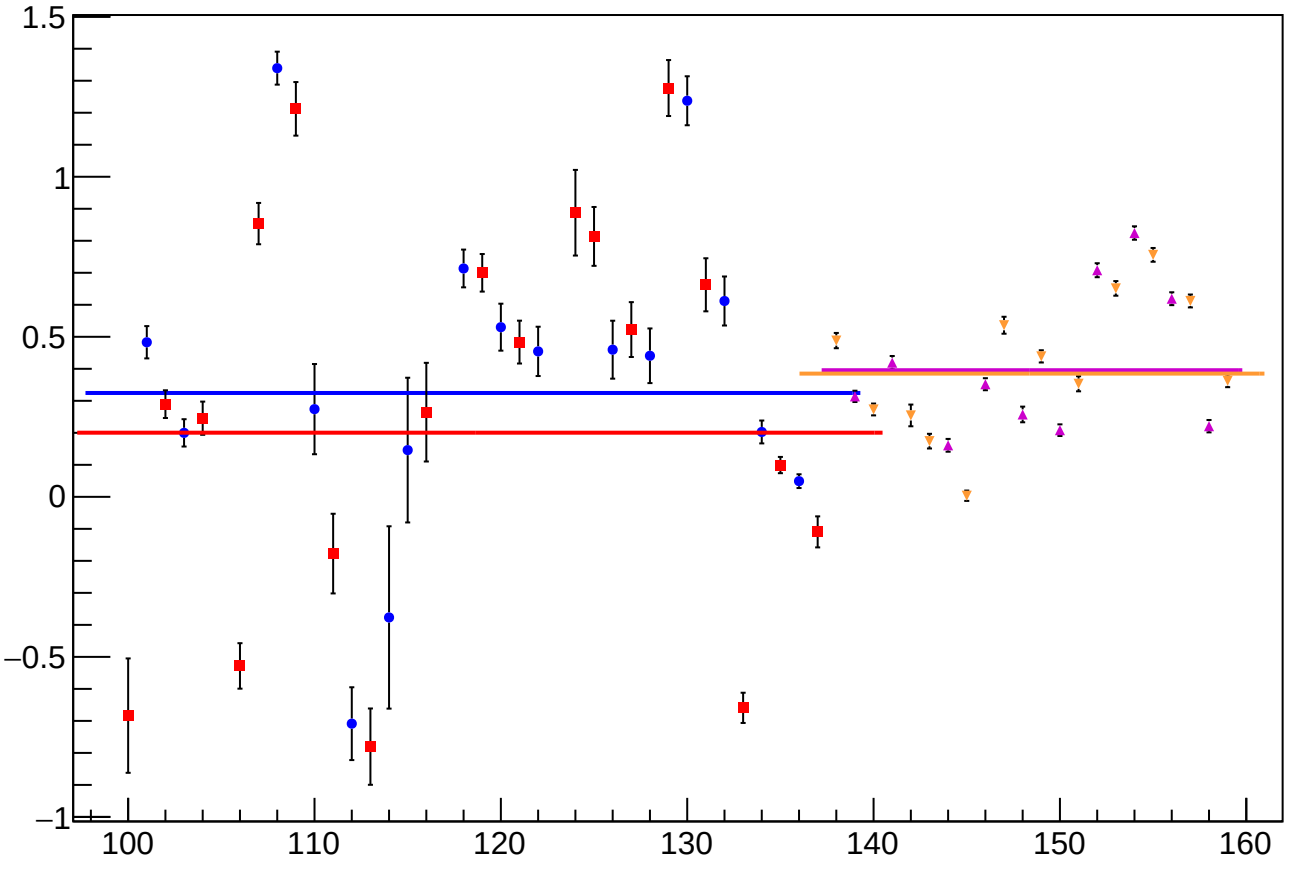
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -83.294+/-0.121 χ^2/NDF:16369.6/25

Out: -85.805+/-0.117 χ^2/NDF:15860.8/30

All: -84.588+/-0.084 χ^2/NDF: 32453.0/56

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: 0.385+/-0.006 χ^2/NDF:1313.6/11

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.396+/-0.006 χ^2/NDF:1130.3/9

Left: 0.390+/-0.004 χ^2/NDF: 2445.3/21

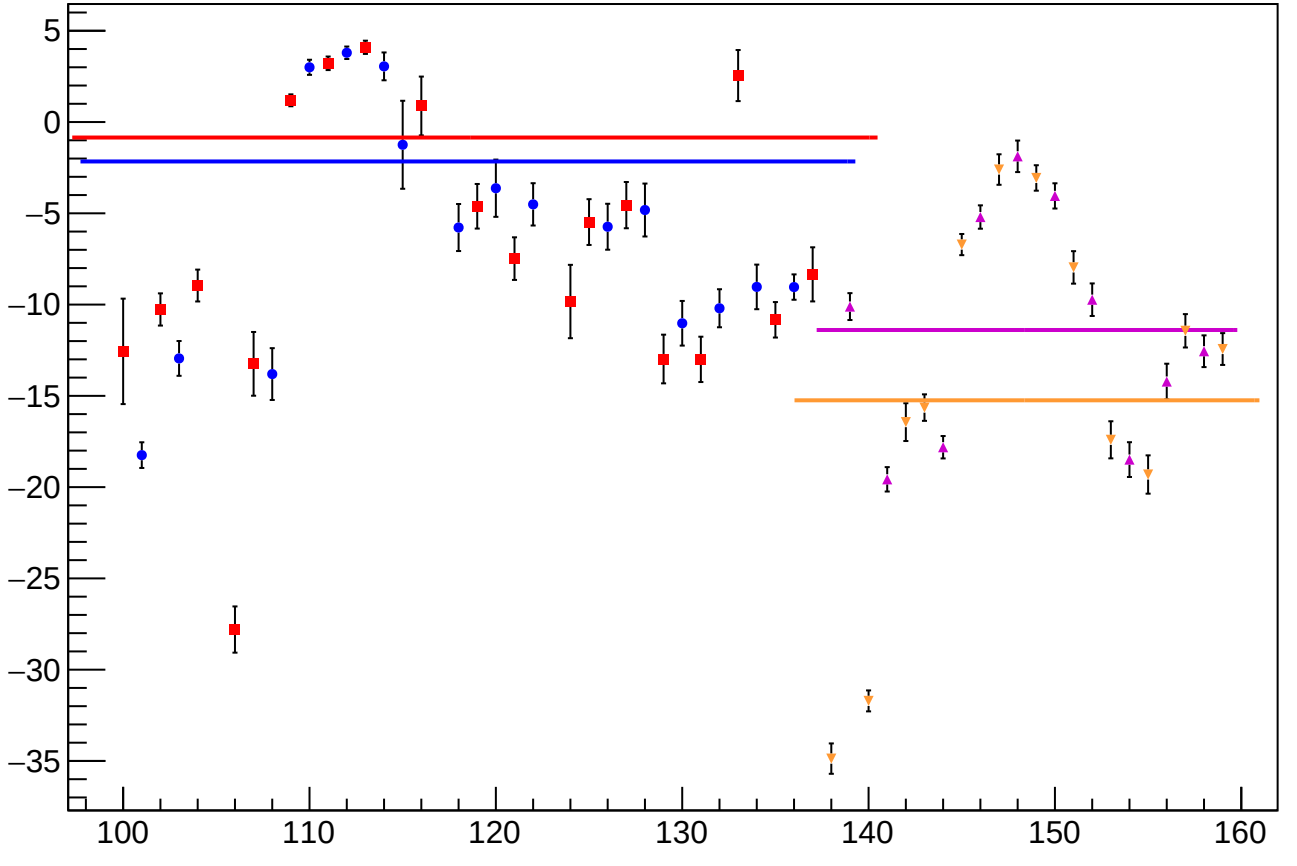
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.382+/-0.006 χ^2/NDF:2040.2/25

Out: 0.354+/-0.006 χ^2/NDF:2668.1/30

All: 0.368+/-0.004 χ^2/NDF: 4720.5/56

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.244+/-0.227 χ^2/NDF:2245.4/11

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -11.392+/-0.240 χ^2/NDF:659.4/9

Left: -13.427+/-0.165 χ^2/NDF: 3040.7/21

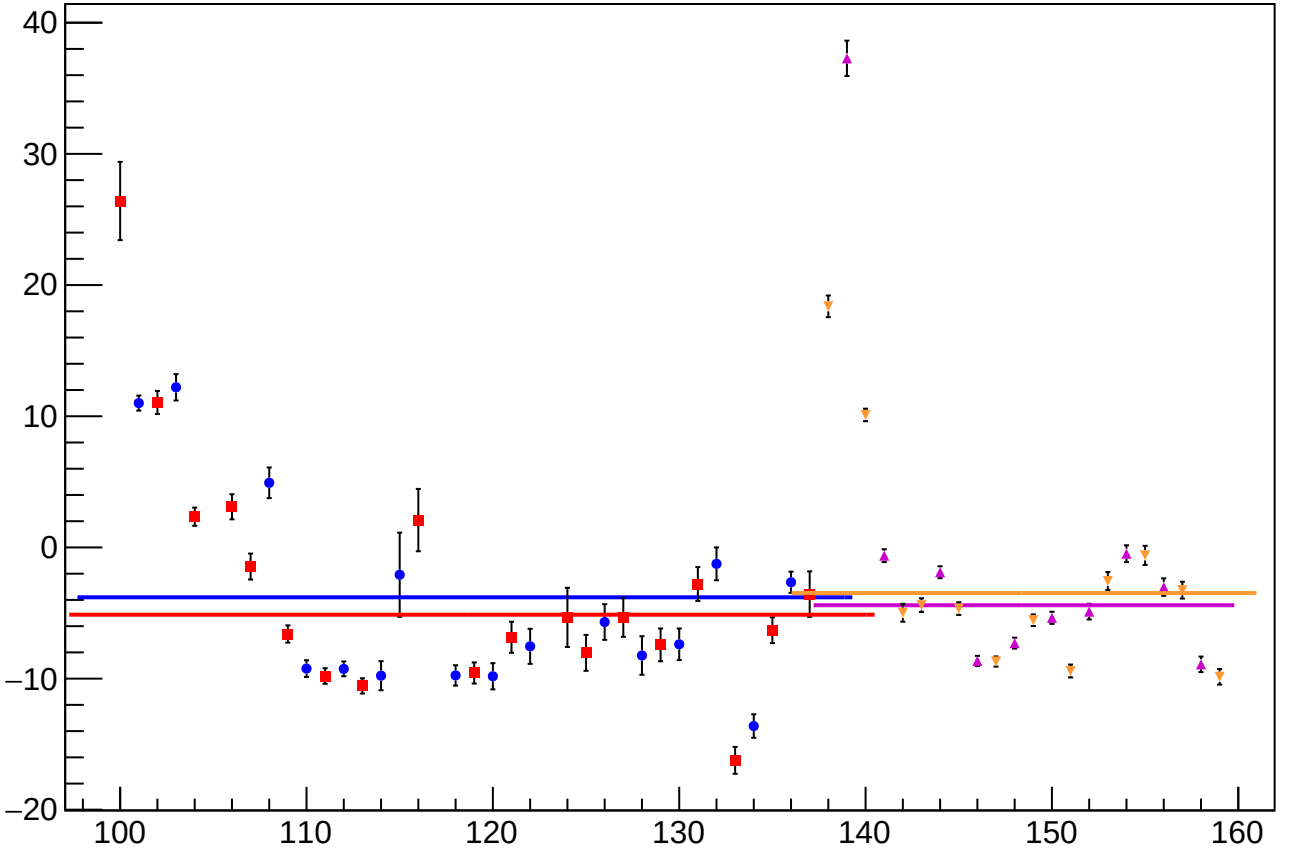
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -5.760+/-0.150 χ^2/NDF:3052.3/25

Out: -6.039+/-0.136 χ^2/NDF:6284.5/30

All: -5.913+/-0.101 χ^2/NDF: 9338.7/56

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: -3.476+/-0.156 χ^2/NDF:2005.4/11

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.406+/-0.164 χ^2/NDF:1323.2/9

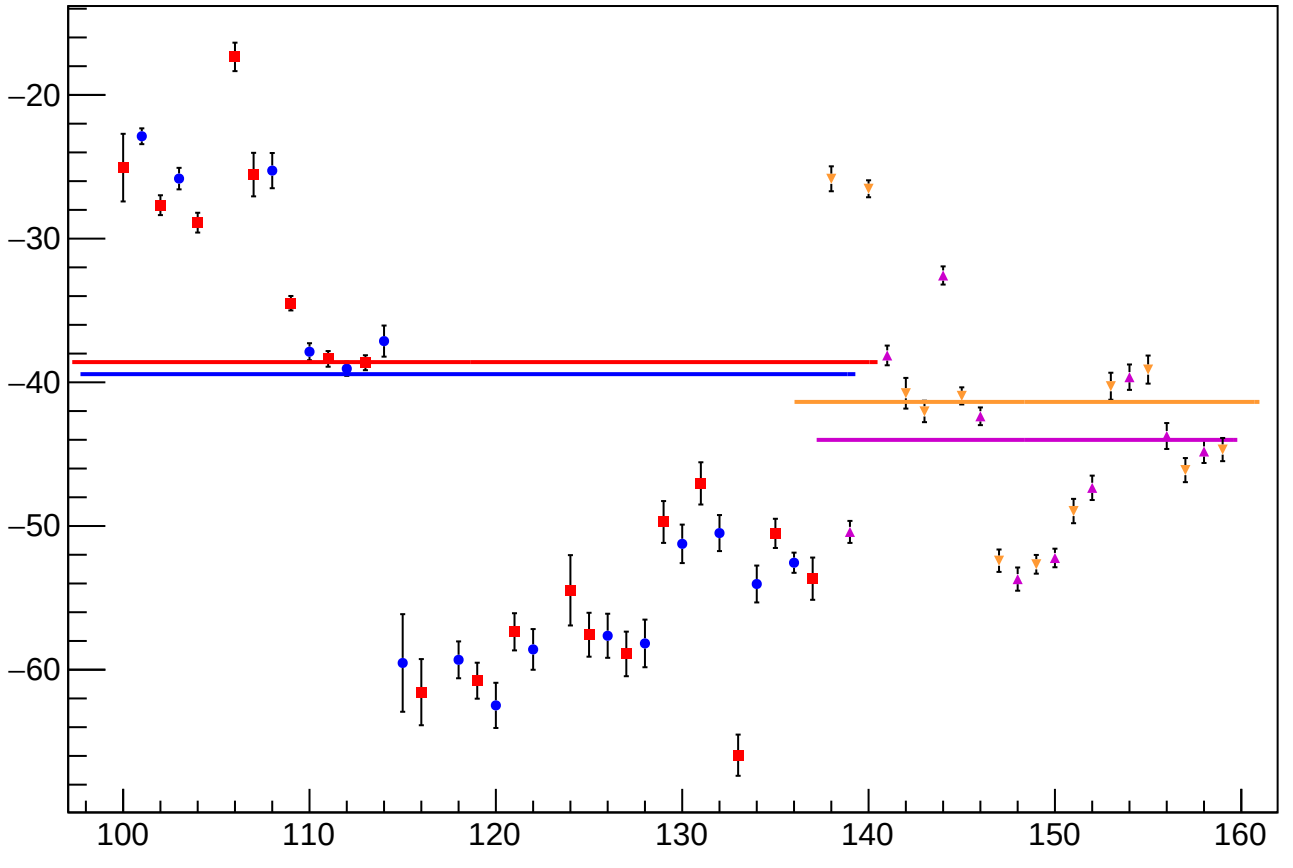
Left: -3.918+/-0.113 χ^2/NDF: 3345.4/21

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.197+/-0.133 χ^2/NDF:2753.4/25

Out: -4.033+/-0.127 χ^2/NDF:3023.6/30

All: -4.111+/-0.092 χ^2/NDF: 5777.8/56



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -41.363+/-0.222 χ^2/NDF:1590.2/11

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -44.006+/-0.233 χ^2/NDF:824.5/9

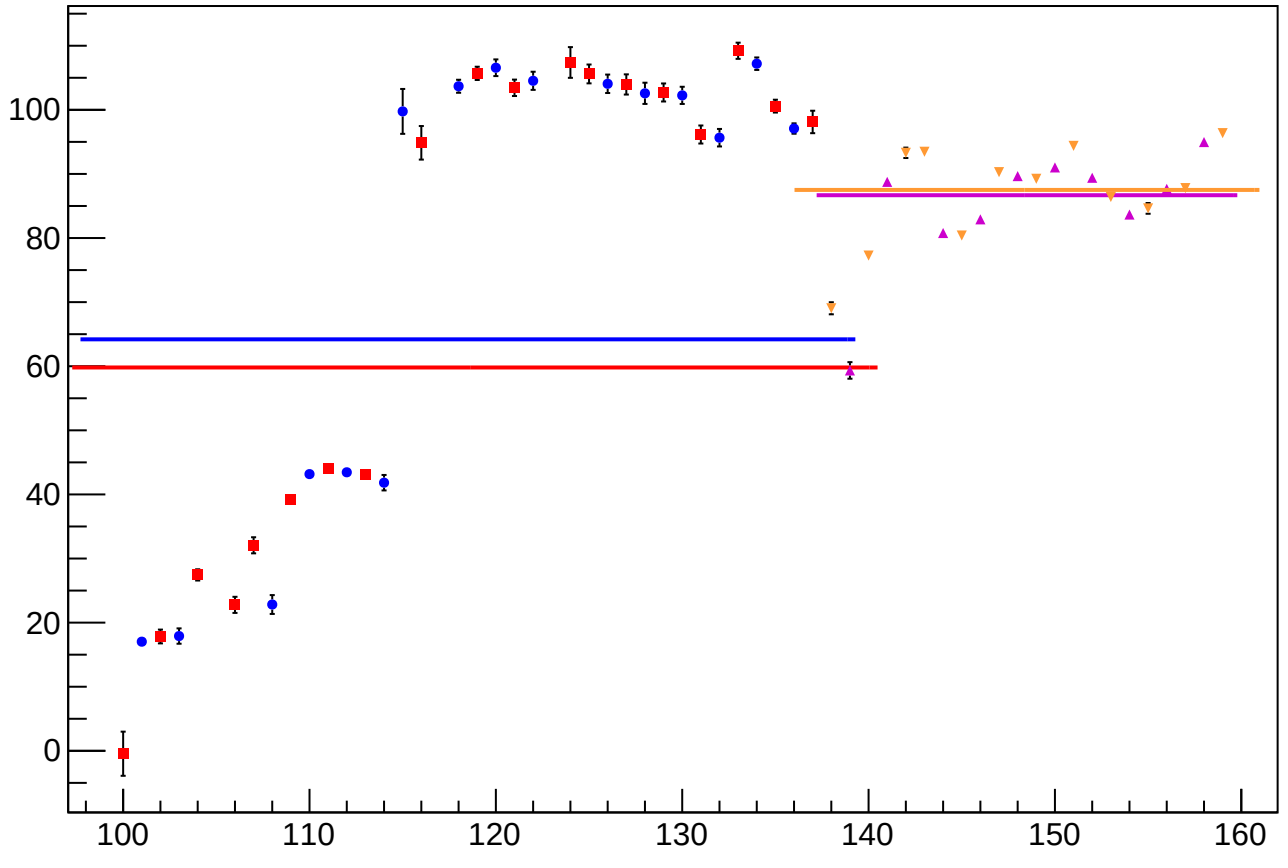
Left: -42.620+/-0.161 χ^2/NDF: 2481.9/21

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.639+/-0.162 χ^2/NDF:3981.3/25

Out: -39.915+/-0.154 χ^2/NDF:4443.4/30

All: -40.731+/-0.112 χ^2/NDF: 8484.3/56



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.505+/-0.187 χ^2/NDF:1386.7/11

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.680+/-0.196 χ^2/NDF:947.9/9

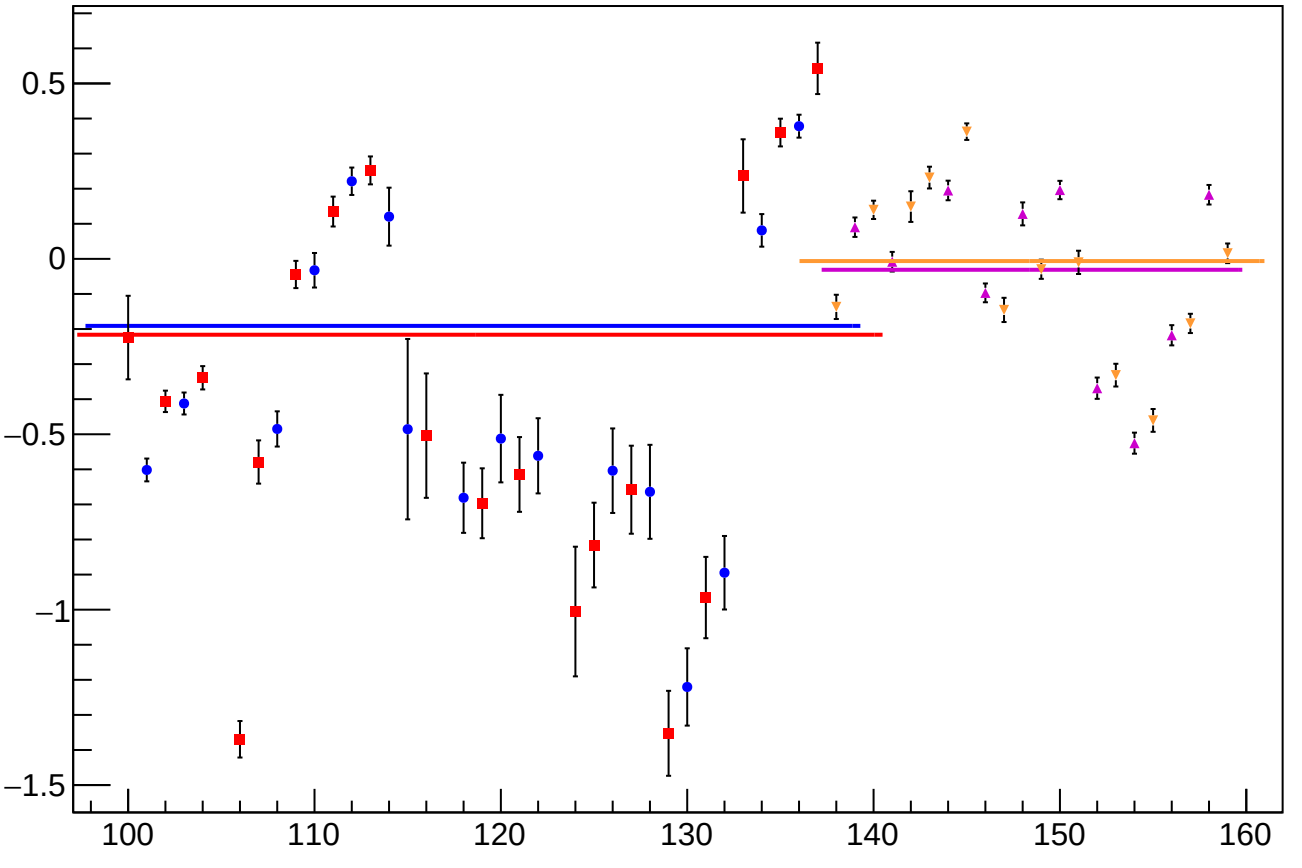
Left: 87.112+/-0.135 χ^2/NDF: 2344.0/21

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.450+/-0.156 χ^2/NDF:24377.8/25

Out: 77.520+/-0.149 χ^2/NDF:26749.2/30

All: 77.965+/-0.108 χ^2/NDF: 51145.6/56



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.006+/-0.009 χ^2/NDF:717.6/11

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.031+/-0.009 χ^2/NDF:686.8/9

Left: -0.018+/-0.006 χ^2/NDF: 1408.4/21

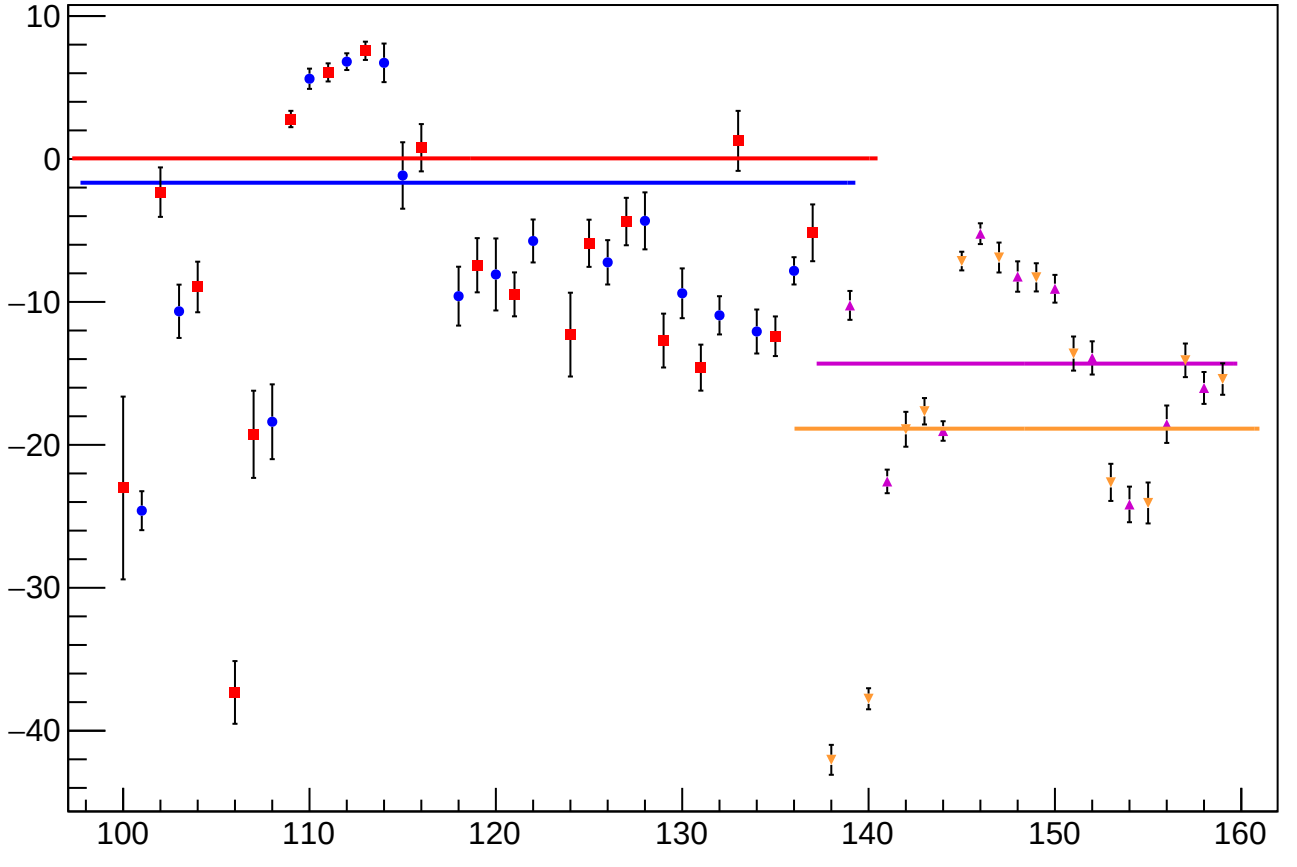
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.081+/-0.007 χ^2/NDF:1702.9/25

Out: -0.071+/-0.007 χ^2/NDF:2267.3/30

All: -0.076+/-0.005 χ^2/NDF: 3971.0/56

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: -18.867+/-0.286 χ^2/NDF:1785.4/11

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.316+/-0.299 χ^2/NDF:457.3/9

Left: -16.690+/-0.207 χ^2/NDF: 2363.7/21

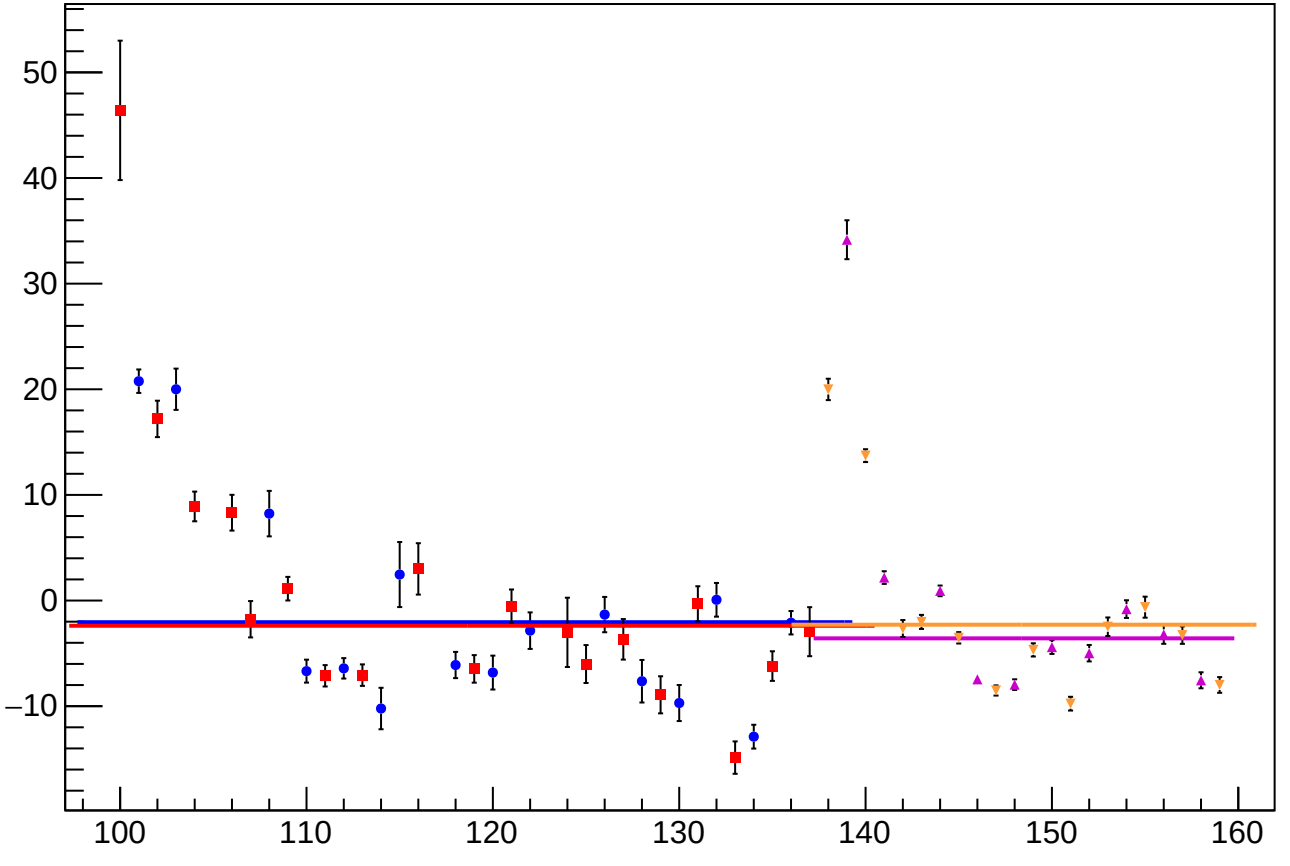
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -8.182+/-0.214 χ^2/NDF:2227.1/25

Out: -9.272+/-0.201 χ^2/NDF:4932.6/30

All: -8.763+/-0.147 χ^2/NDF: 7173.4/56

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.286+/-0.197 χ^2/NDF:1559.4/11

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.580+/-0.201 χ^2/NDF:790.7/9

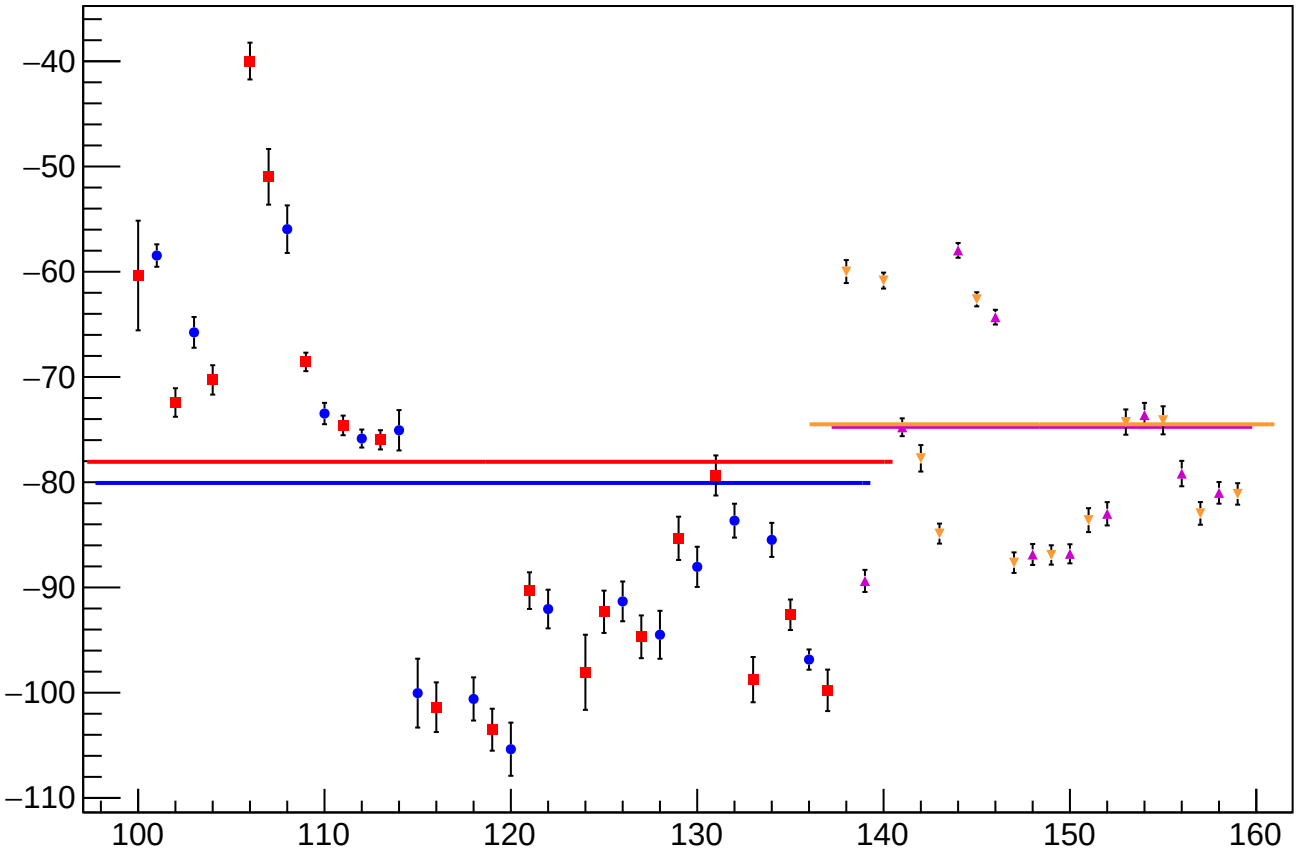
Left: -2.920+/-0.141 χ^2/NDF: 2371.3/21

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -3.210+/-0.175 χ^2/NDF:1576.6/25

Out: -2.309+/-0.172 χ^2/NDF:2010.4/30

All: -2.753+/-0.123 χ^2/NDF: 3600.5/56



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -74.495+/-0.282 χ^2/NDF:1471.3/11

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -74.736+/-0.291 χ^2/NDF:1416.4/9

Left: -74.612+/-0.202 χ^2/NDF: 2888.1/21

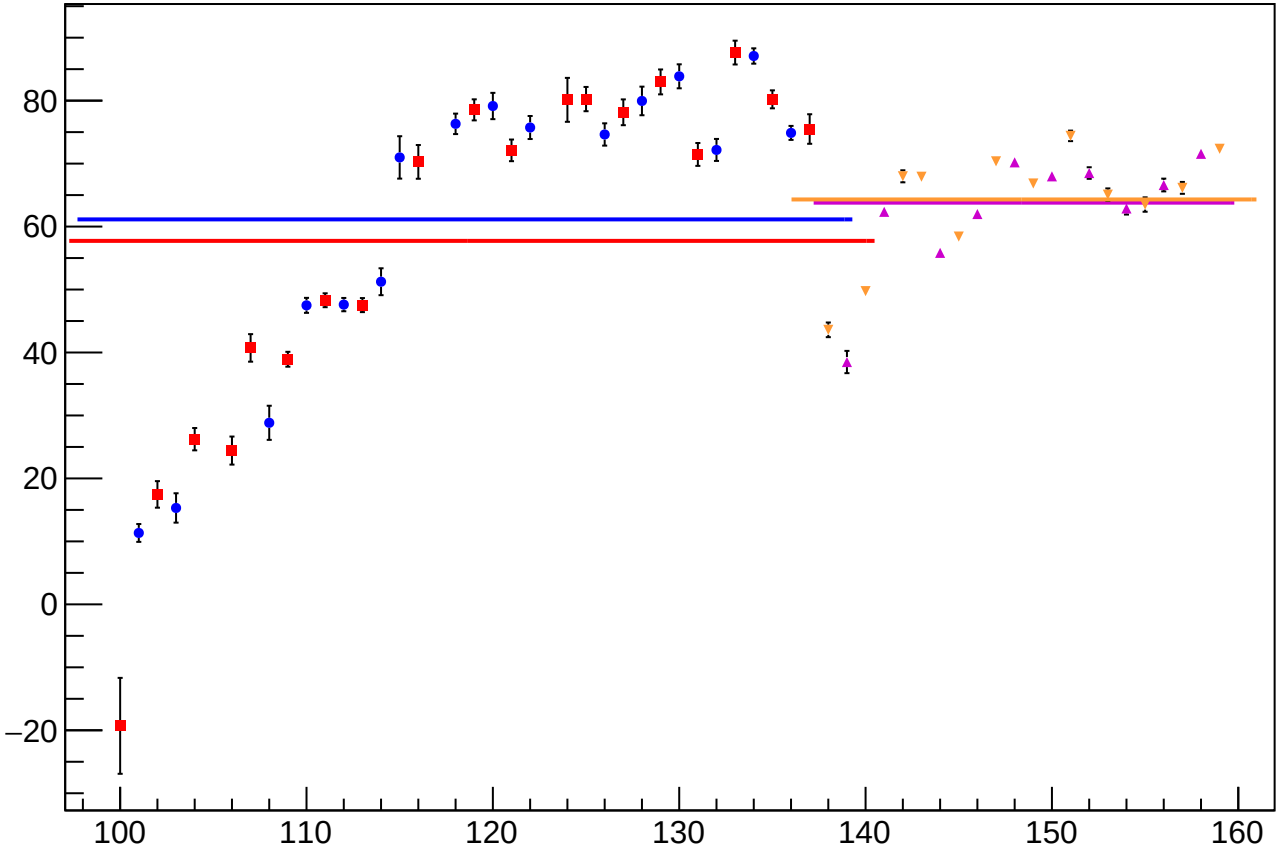
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.815+/-0.228 χ^2/NDF:2934.3/25

Out: -75.878+/-0.220 χ^2/NDF:3094.7/30

All: -76.332+/-0.158 χ^2/NDF: 6037.7/56

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.305+/-0.236 χ^2/NDF:1191.4/11

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.798+/-0.241 χ^2/NDF:646.3/9

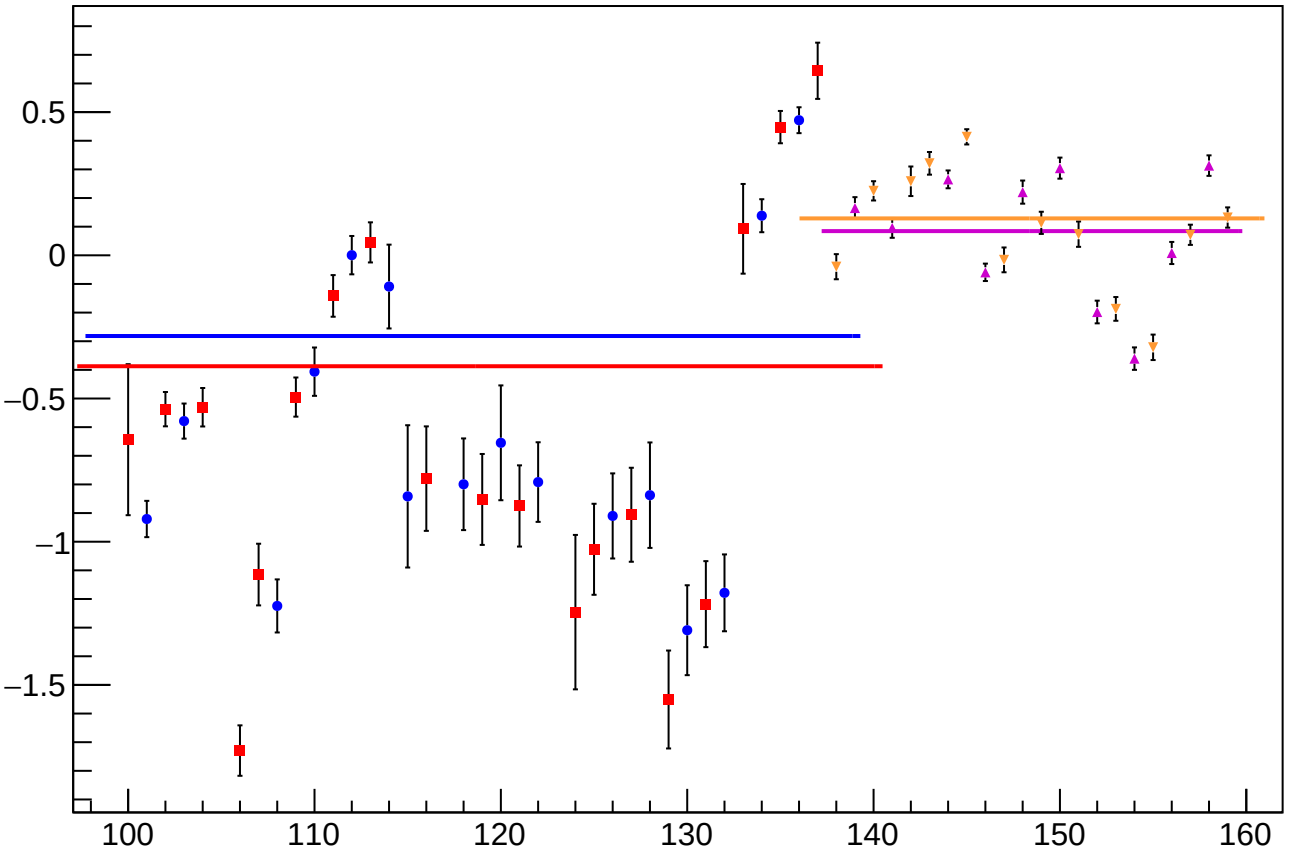
Left: 64.057+/-0.169 χ^2/NDF: 1839.9/21

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 63.090+/-0.207 χ^2/NDF:3907.9/25

Out: 62.607+/-0.203 χ^2/NDF:4167.5/30

All: 62.845+/-0.145 χ^2/NDF: 8078.2/56



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.129+/-0.011 χ^2/NDF:343.6/11

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.084+/-0.011 χ^2/NDF:332.5/9

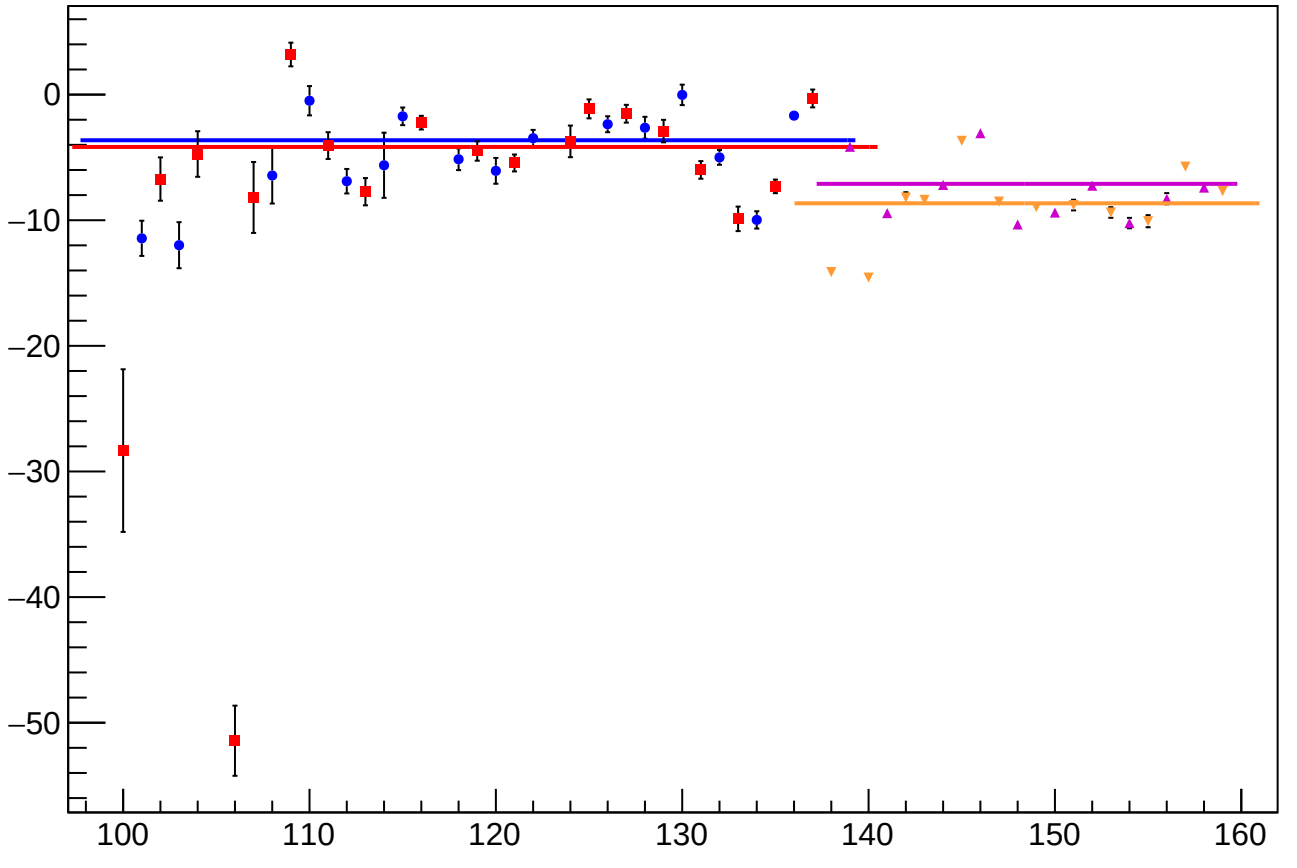
Left: 0.107+/-0.008 χ^2/NDF: 684.0/21

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.005+/-0.010 χ^2/NDF:1285.3/25

Out: 0.025+/-0.010 χ^2/NDF:1605.4/30

All: 0.015+/-0.007 χ^2/NDF: 2892.7/56



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.653+/-0.098 χ^2/NDF:1344.6/11

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.104+/-0.101 χ^2/NDF:619.2/9

Left: -7.903+/-0.070 χ^2/NDF: 2084.4/21

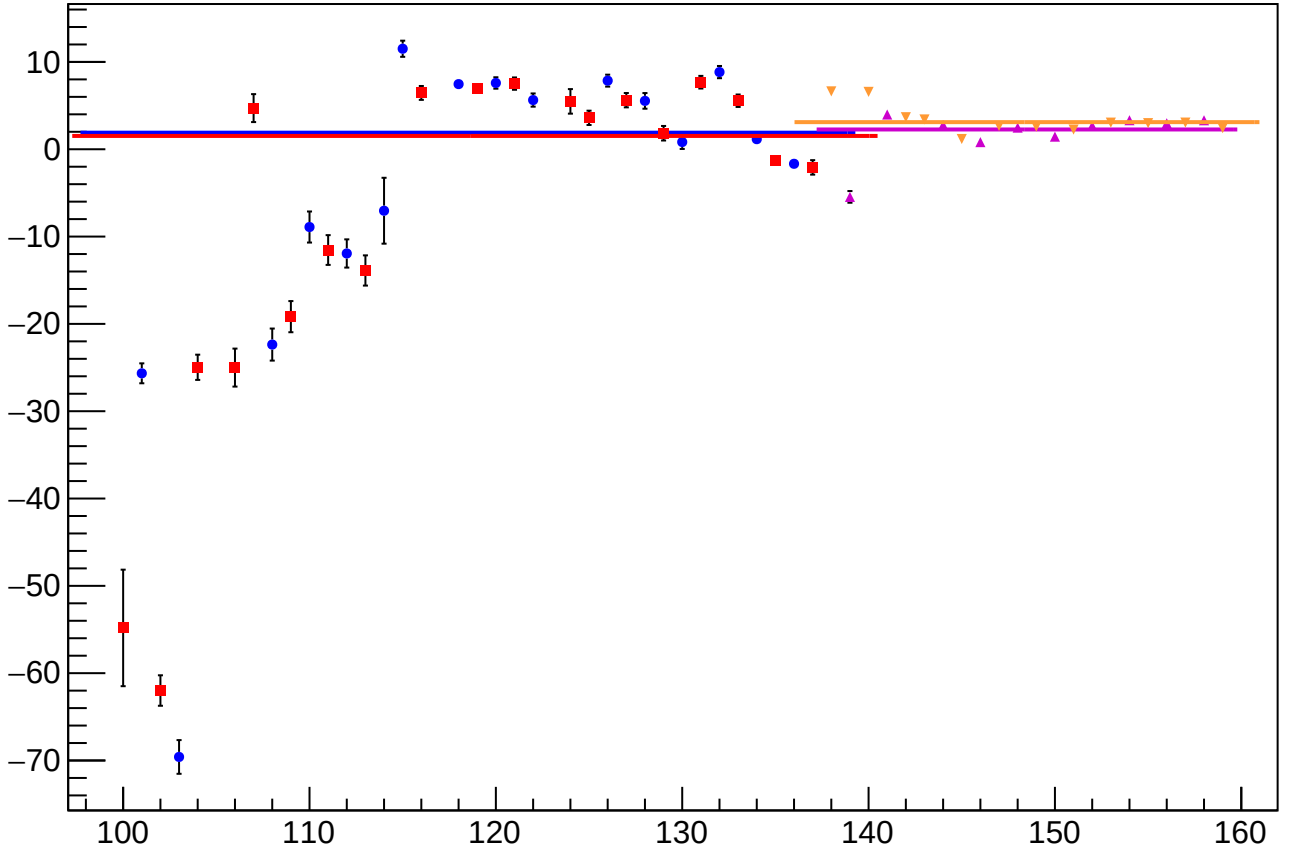
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -6.331+/-0.089 χ^2/NDF:1115.9/25

Out: -7.778+/-0.088 χ^2/NDF:2281.5/30

All: -7.064+/-0.063 χ^2/NDF: 3530.7/56

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: 3.105+/-0.068 χ^2/NDF:516.4/11

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.265+/-0.068 χ^2/NDF:371.6/9

Left: 2.684+/-0.048 χ^2/NDF: 964.6/21

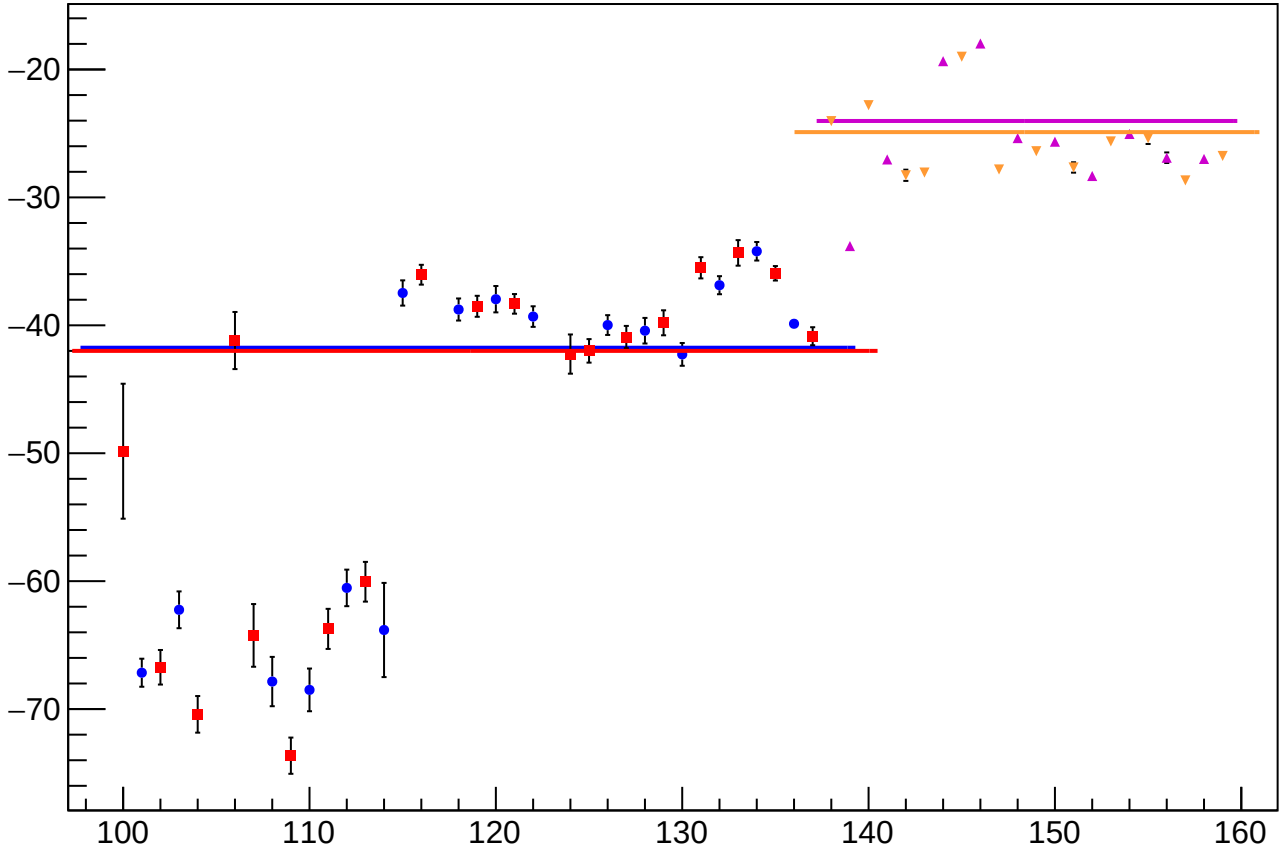
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.223+/-0.064 χ^2/NDF:3213.1/25

Out: 2.953+/-0.065 χ^2/NDF:3128.3/30

All: 2.584+/-0.045 χ^2/NDF: 6406.0/56

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.896+/-0.097 χ^2/NDF:1209.6/11

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -24.026+/-0.099 χ^2/NDF:2196.0/9

Left: -24.470+/-0.069 χ^2/NDF: 3445.4/21

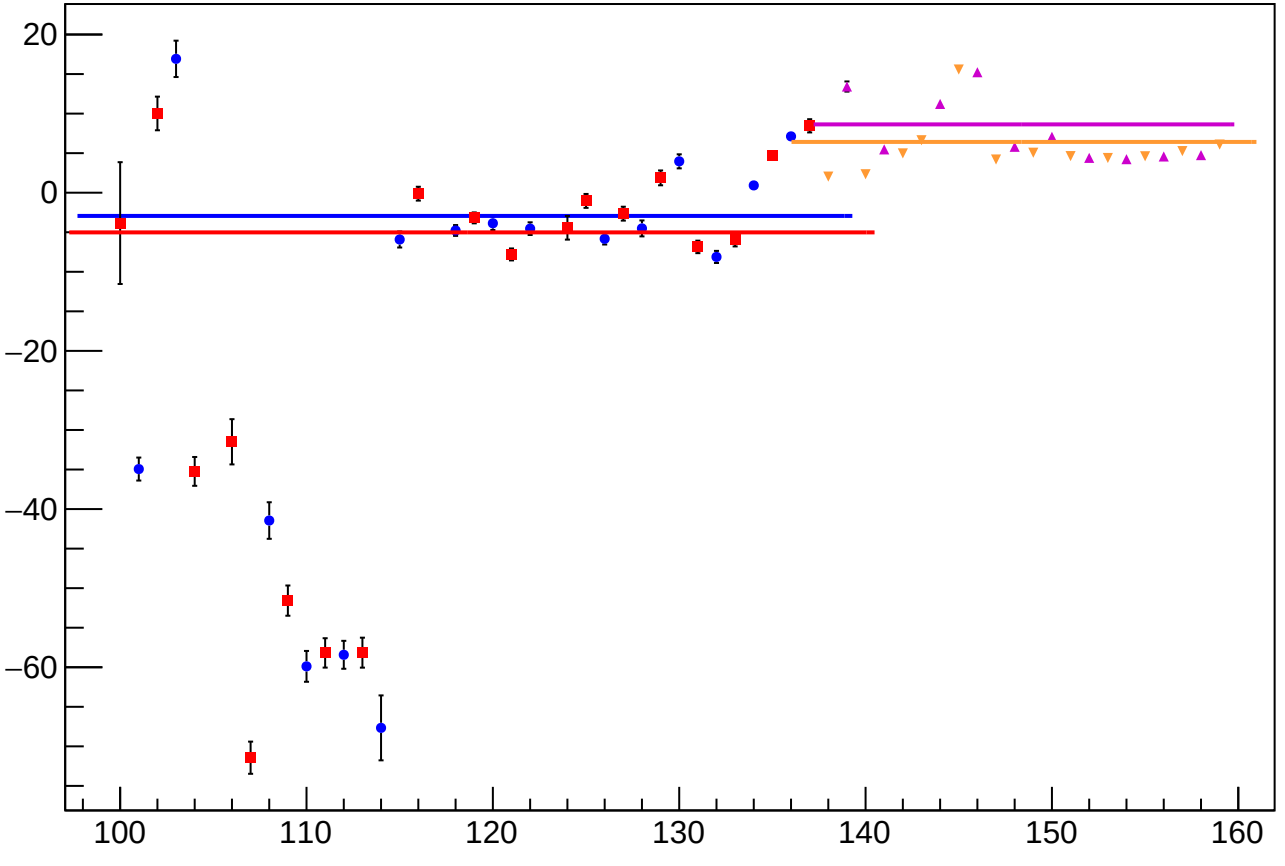
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.288+/-0.089 χ^2/NDF:9776.5/25

Out: -27.495+/-0.089 χ^2/NDF:7955.4/30

All: -27.392+/-0.063 χ^2/NDF: 17734.6/56

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: 6.420+/-0.081 χ^2/NDF:2647.7/11

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.637+/-0.081 χ^2/NDF:2747.8/9

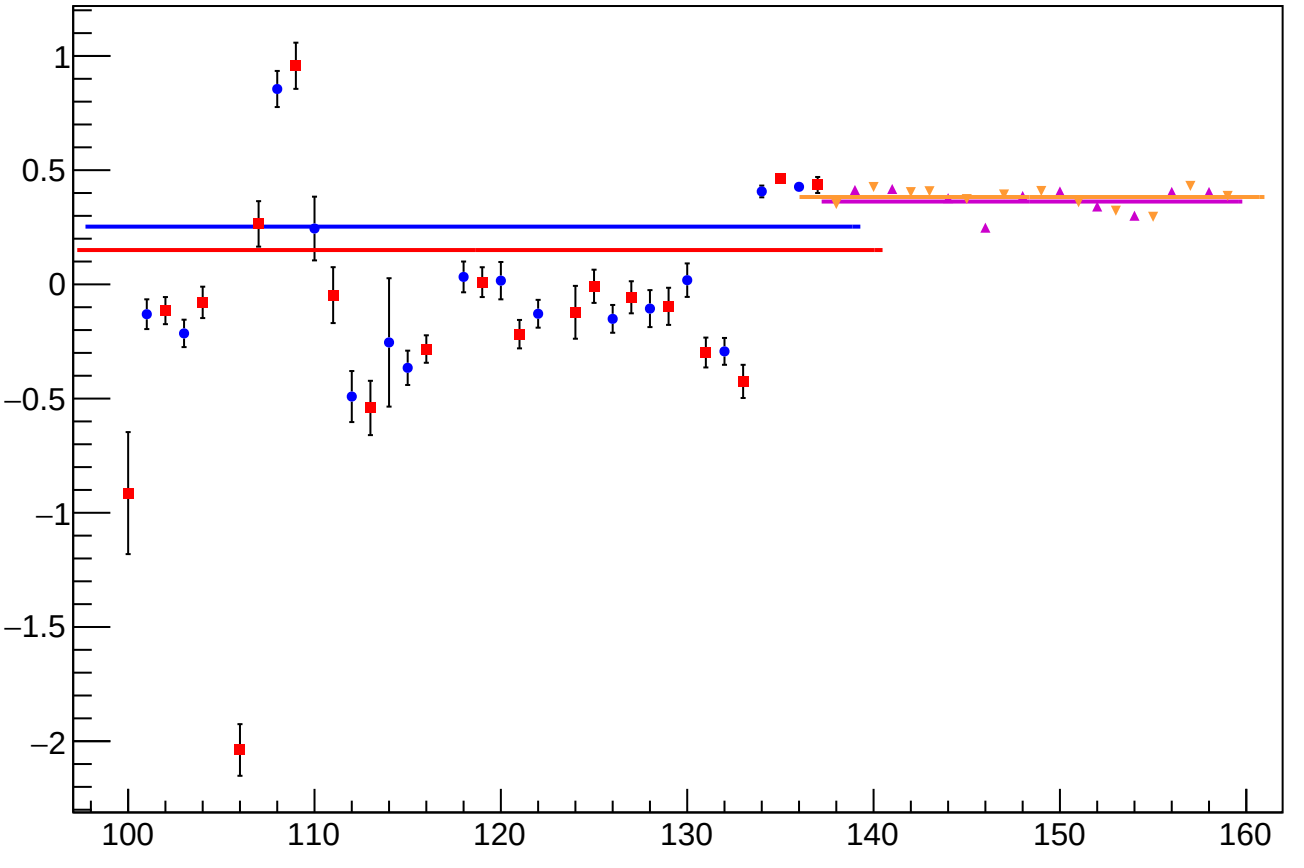
Left: 7.524+/-0.057 χ^2/NDF: 5768.3/21

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.123+/-0.076 χ^2/NDF:9121.7/25

Out: 5.174+/-0.077 χ^2/NDF:9194.6/30

All: 6.157+/-0.054 χ^2/NDF: 18643.6/56



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.382+/-0.004 χ^2/NDF:99.3/11

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.363+/-0.004 χ^2/NDF:239.2/9

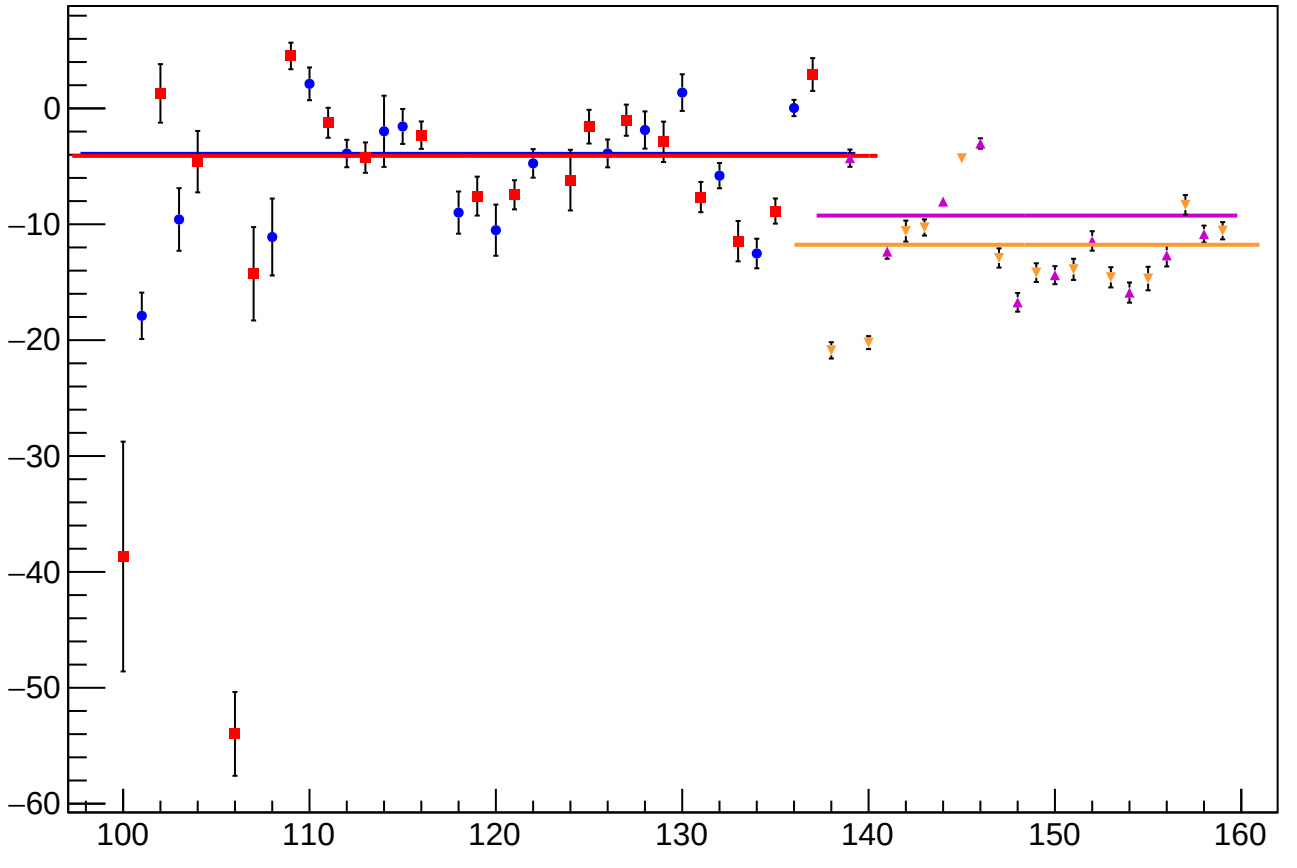
Left: 0.373+/-0.003 χ^2/NDF: 352.2/21

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.351+/-0.004 χ^2/NDF:952.4/25

Out: 0.365+/-0.004 χ^2/NDF:1397.3/30

All: 0.358+/-0.003 χ^2/NDF: 2357.1/56



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.769+/-0.202 χ^2/NDF:812.0/11

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -9.251+/-0.206 χ^2/NDF:482.5/9

Left: -10.534+/-0.144 χ^2/NDF: 1370.8/21

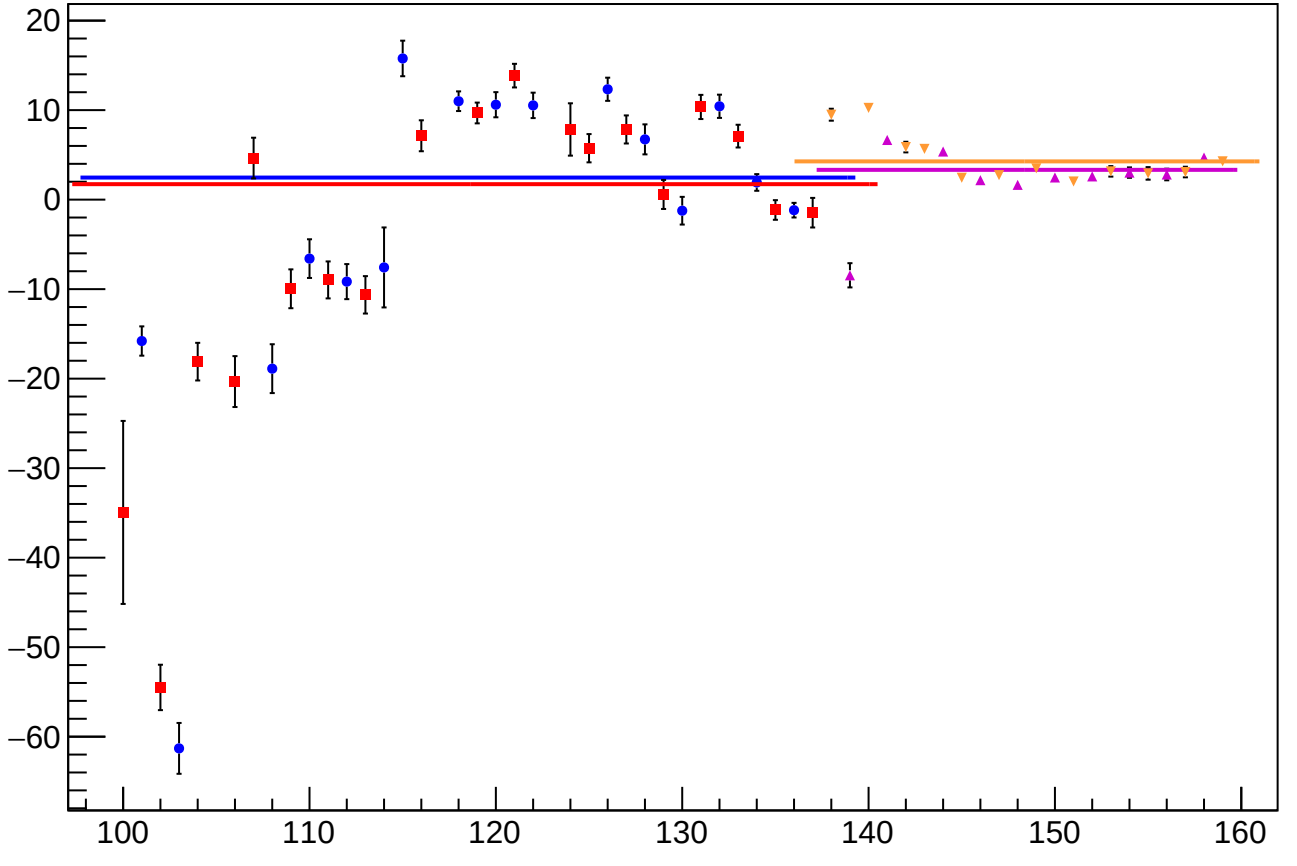
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.859+/-0.177 χ^2/NDF:846.4/25

Out: -9.909+/-0.176 χ^2/NDF:1529.2/30

All: -8.891+/-0.125 χ^2/NDF: 2443.2/56

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: 4.273+/-0.141 χ^2/NDF:326.8/11

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.327+/-0.138 χ^2/NDF:223.0/9

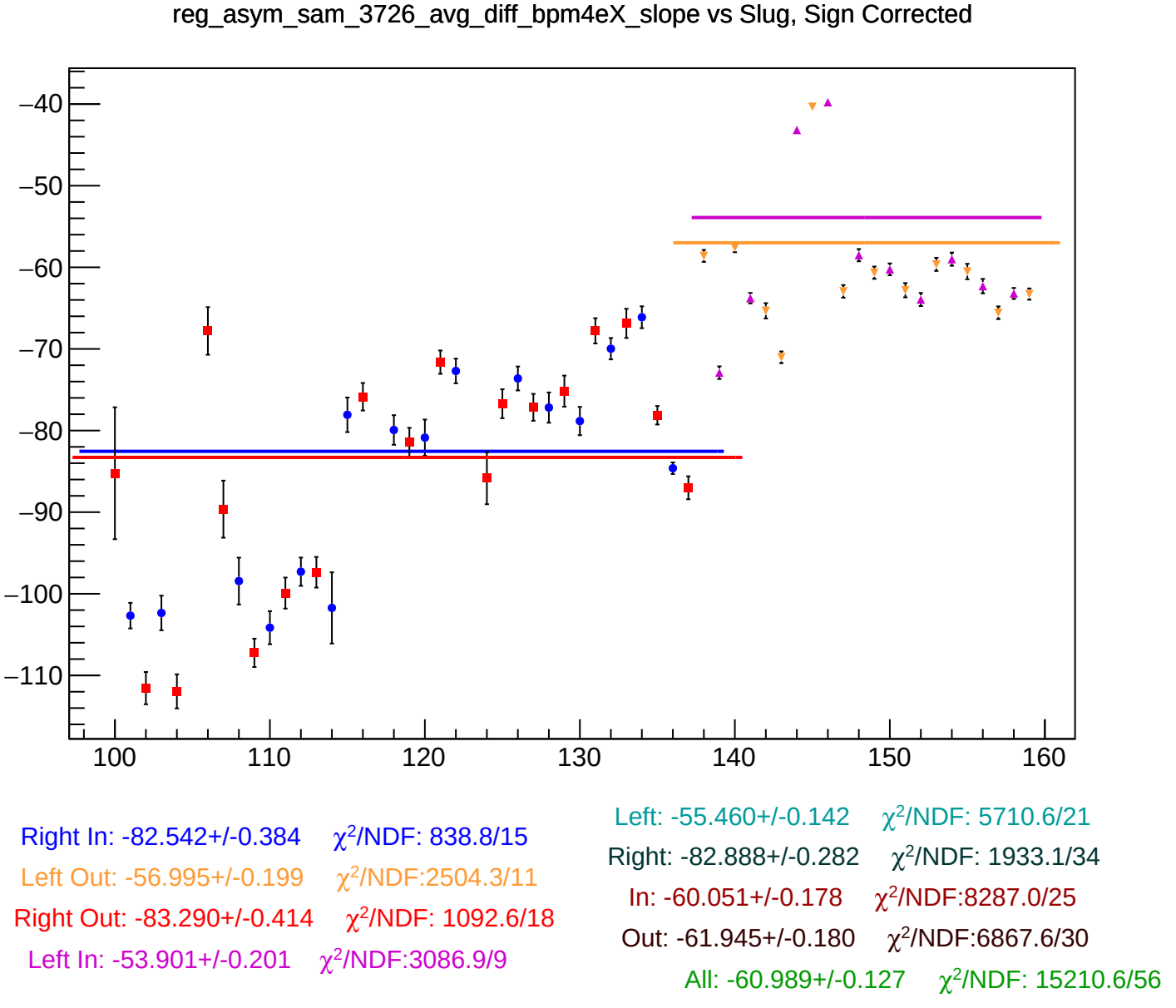
Left: 3.787+/-0.099 χ^2/NDF: 572.7/21

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

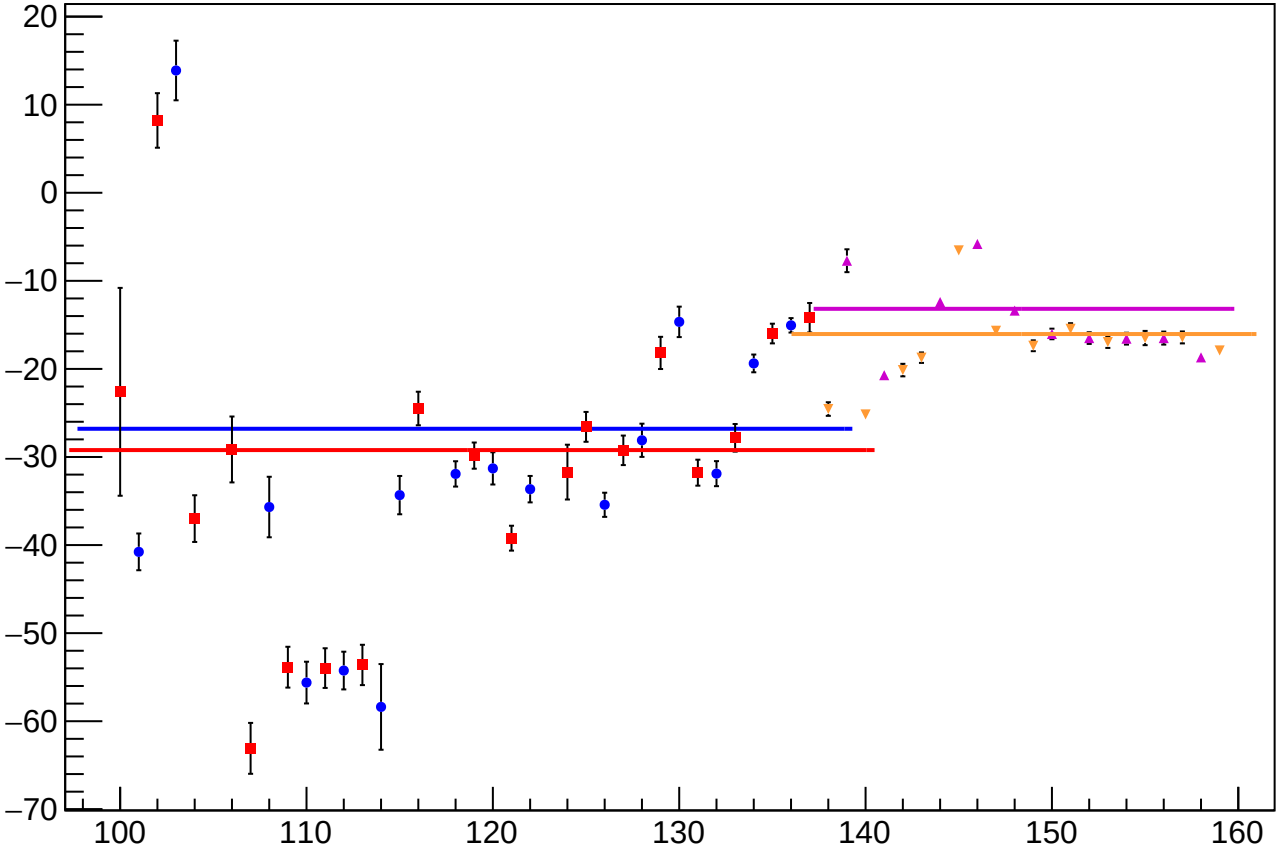
In: 3.216+/-0.128 χ^2/NDF:1274.8/25

Out: 3.972+/-0.133 χ^2/NDF:1348.2/30

All: 3.581+/-0.092 χ^2/NDF: 2639.8/56


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
Right In: -82.542+/-0.384 χ2/NDF: 838.8/15
Left Out: -56.995+/-0.199 χ2/NDF:2504.3/11
Right Out: -83.290+/-0.414 χ2/NDF: 1092.6/18
Left In: -53.901+/-0.201 χ2/NDF:3086.9/9
Left: -55.460+/-0.142 χ2/NDF: 5710.6/21
Right: -82.888+/-0.282 χ2/NDF: 1933.1/34
In: -60.051+/-0.178 χ2/NDF:8287.0/25
Out: -61.945+/-0.180 χ2/NDF:6867.6/30
All: -60.989+/-0.127 χ2/NDF: 15210.6/56

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: -16.040+/-0.168 χ^2/NDF:1133.6/11

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -13.177+/-0.165 χ^2/NDF:911.9/9

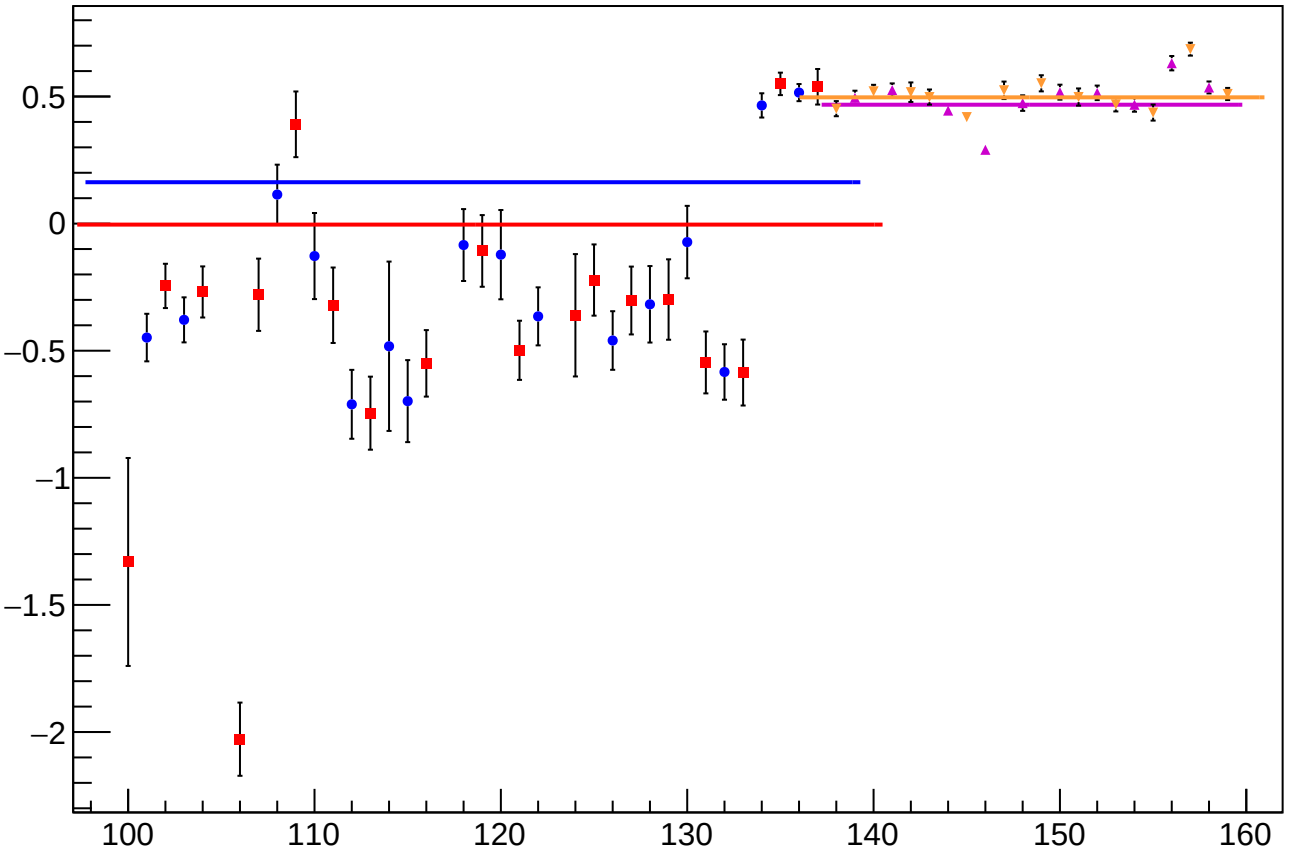
Left: -14.586+/-0.118 χ^2/NDF: 2192.9/21

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.204+/-0.153 χ^2/NDF:2884.2/25

Out: -17.778+/-0.157 χ^2/NDF:2905.1/30

All: -16.458+/-0.109 χ^2/NDF: 5928.0/56



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.008 χ^2/NDF:90.5/11

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.468+/-0.008 χ^2/NDF:144.1/9

Left: 0.482+/-0.006 χ^2/NDF: 241.5/21

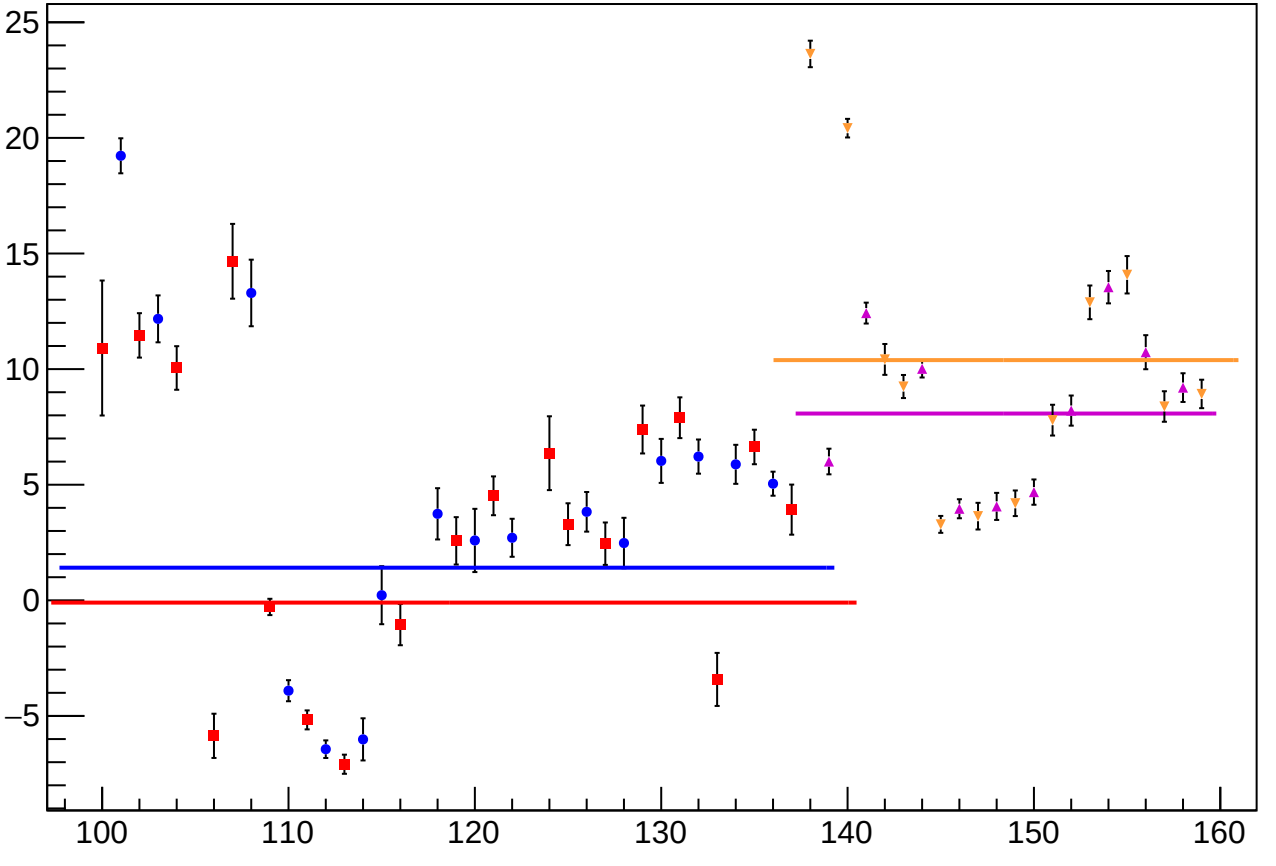
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.431+/-0.007 χ^2/NDF:745.3/25

Out: 0.451+/-0.007 χ^2/NDF:1045.8/30

All: 0.441+/-0.005 χ^2/NDF: 1794.6/56

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: 10.389+/-0.158 χ^2/NDF:1861.1/11

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 8.079+/-0.166 χ^2/NDF:395.8/9

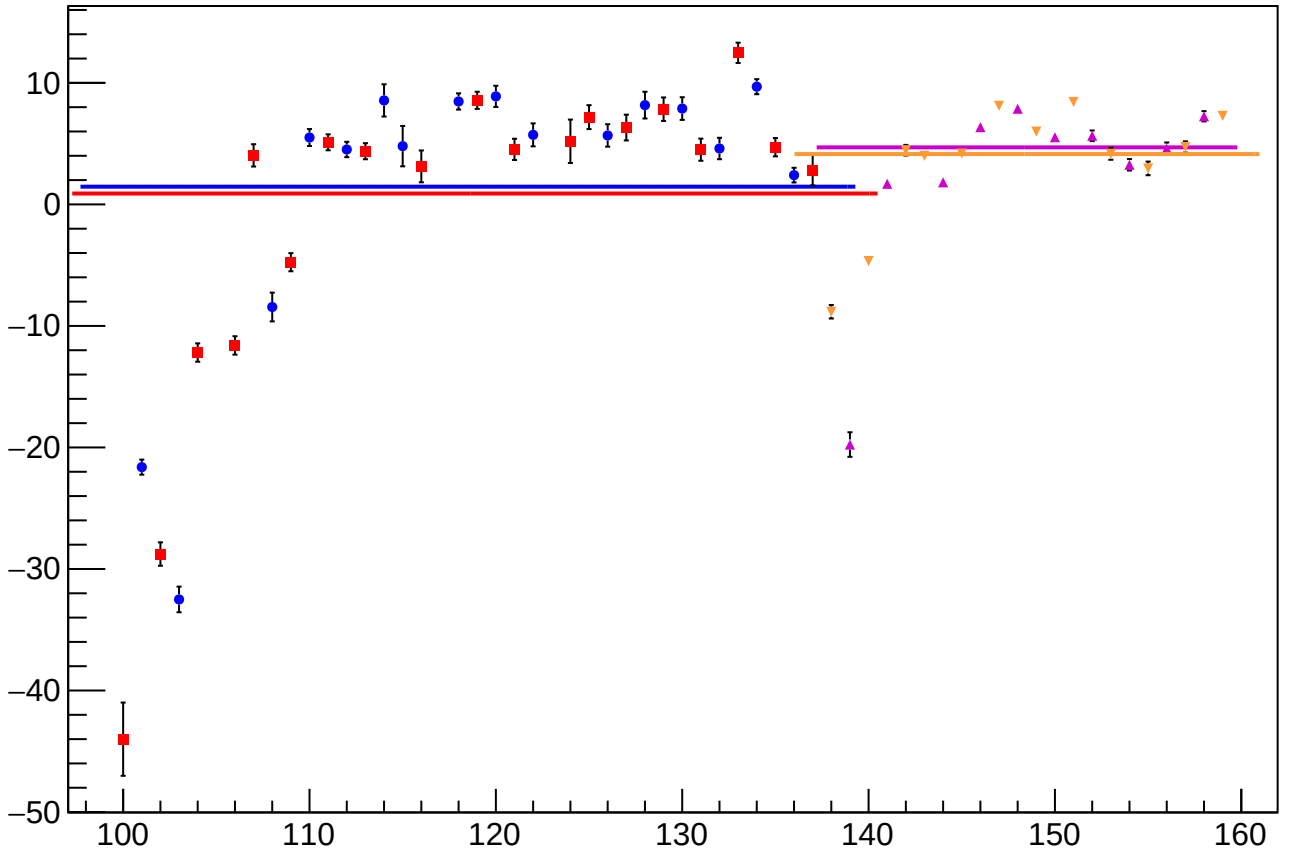
Left: 9.289+/-0.115 χ^2/NDF: 2358.1/21

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 5.066+/-0.123 χ^2/NDF:2644.6/25

Out: 5.432+/-0.115 χ^2/NDF:5078.2/30

All: 5.261+/-0.084 χ^2/NDF: 7727.5/56



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 4.142+/-0.109 χ^2/NDF:1704.2/11

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.693+/-0.112 χ^2/NDF:1009.9/9

Left: 4.411+/-0.078 χ^2/NDF: 2726.5/21

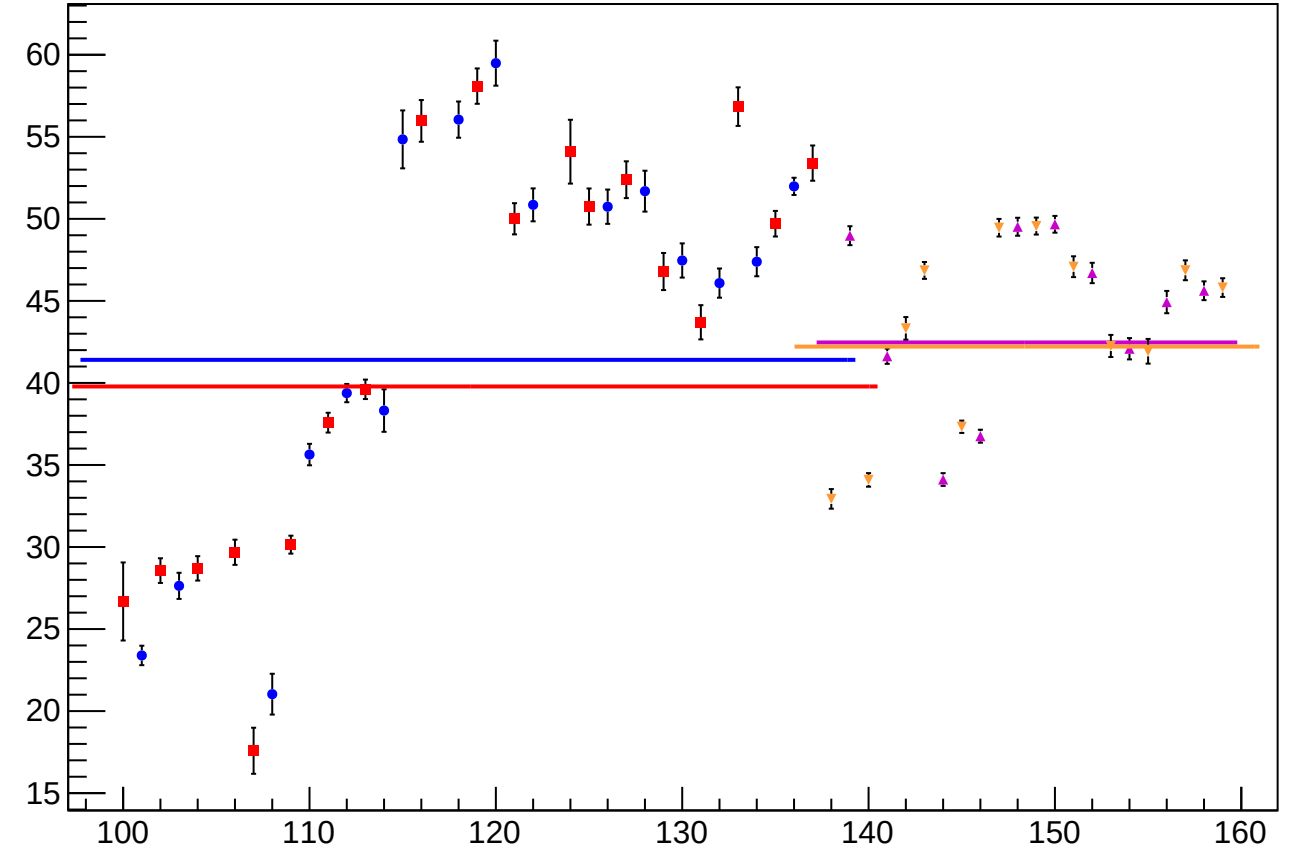
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.945+/-0.098 χ^2/NDF:4284.4/25

Out: 3.408+/-0.096 χ^2/NDF:4281.0/30

All: 3.672+/-0.069 χ^2/NDF: 8580.8/56

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 42.214+/-0.156 χ^2/NDF:1419.7/11

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 42.467+/-0.162 χ^2/NDF:1255.7/9

Left: 42.336+/-0.112 χ^2/NDF: 2676.6/21

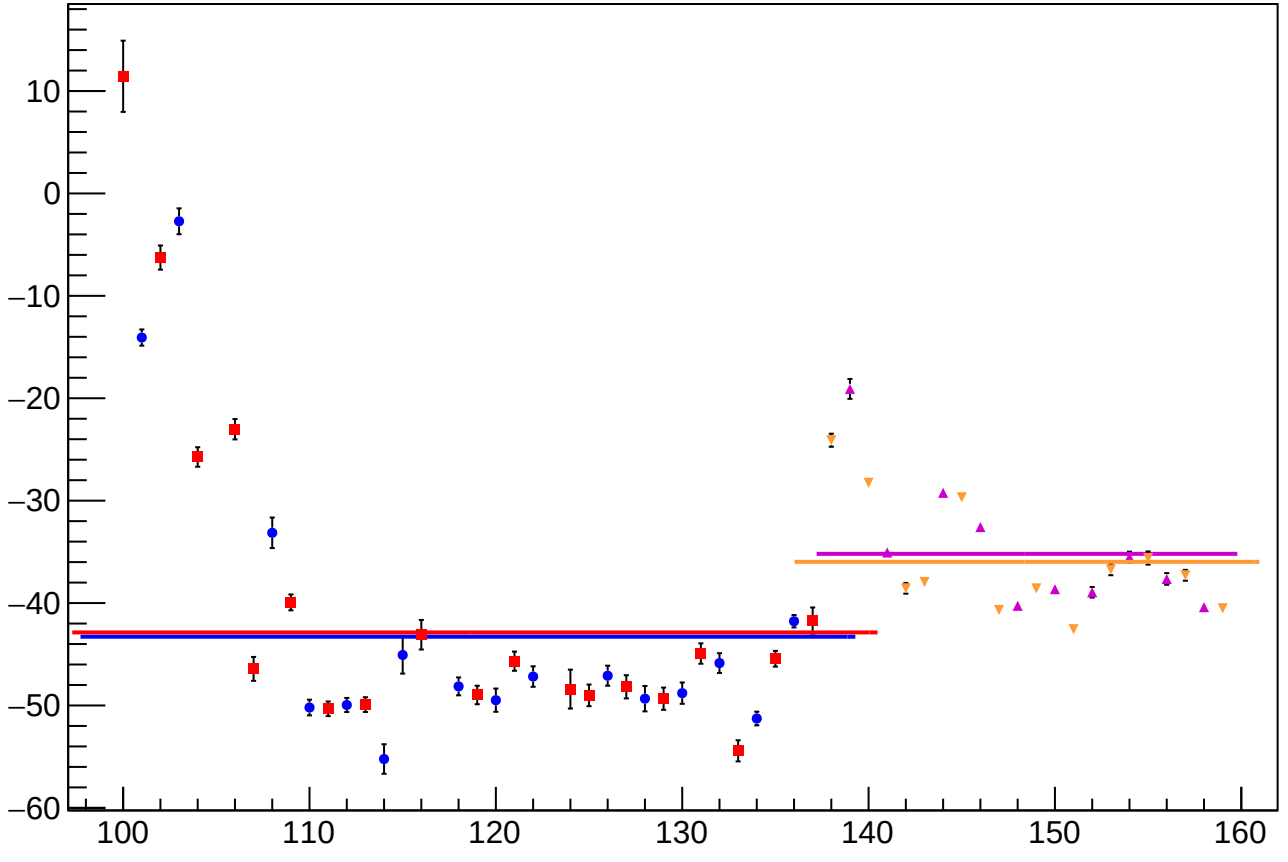
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.072+/-0.129 χ^2/NDF:4017.6/25

Out: 41.311+/-0.124 χ^2/NDF:4163.6/30

All: 41.677+/-0.089 χ^2/NDF: 8199.5/56

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.974+/-0.131 χ^2/NDF:1617.5/11

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.194+/-0.134 χ^2/NDF:1133.2/9

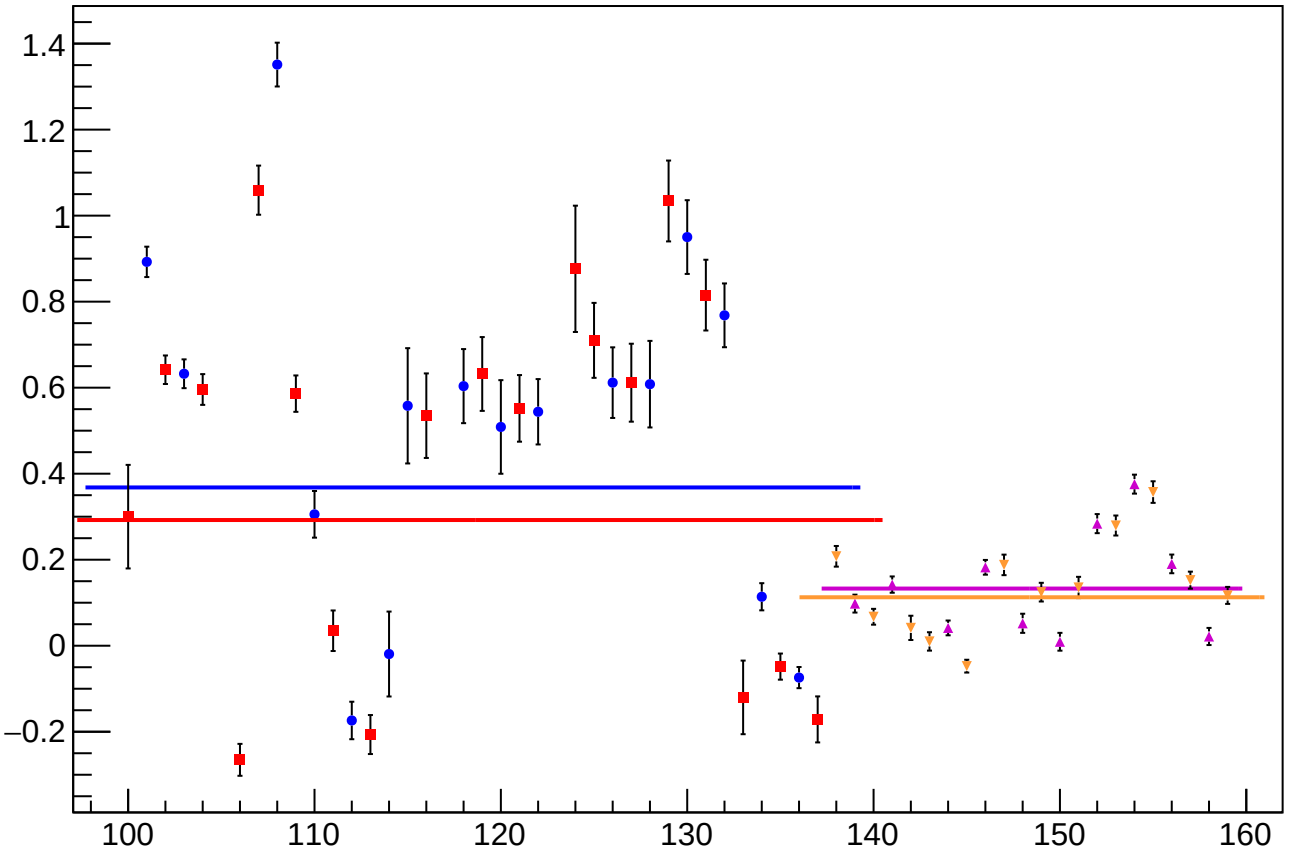
Left: -35.594+/-0.094 χ^2/NDF: 2768.0/21

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.258+/-0.116 χ^2/NDF:5045.8/25

Out: -37.670+/-0.114 χ^2/NDF:4754.6/30

All: -37.468+/-0.081 χ^2/NDF: 9806.8/56



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.113+/-0.006 χ^2/NDF:328.3/11

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.133+/-0.006 χ^2/NDF:294.4/9

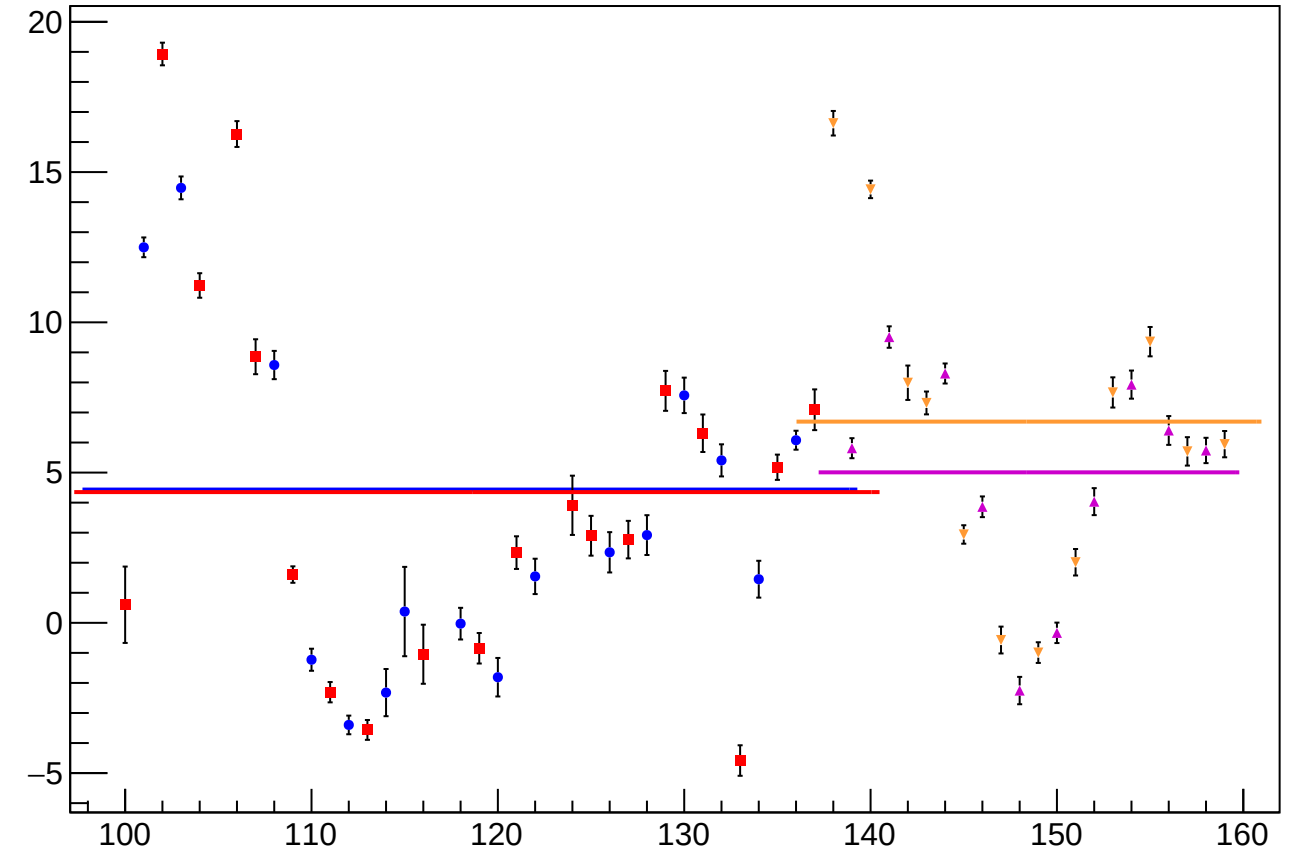
Left: 0.122+/-0.004 χ^2/NDF: 628.0/21

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.183+/-0.006 χ^2/NDF:1907.9/25

Out: 0.149+/-0.005 χ^2/NDF:1702.9/30

All: 0.166+/-0.004 χ^2/NDF: 3629.1/56



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.696+/-0.116 χ^2/NDF:2367.8/11

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 5.008+/-0.122 χ^2/NDF:829.5/9

Left: 5.897+/-0.084 χ^2/NDF: 3298.3/21

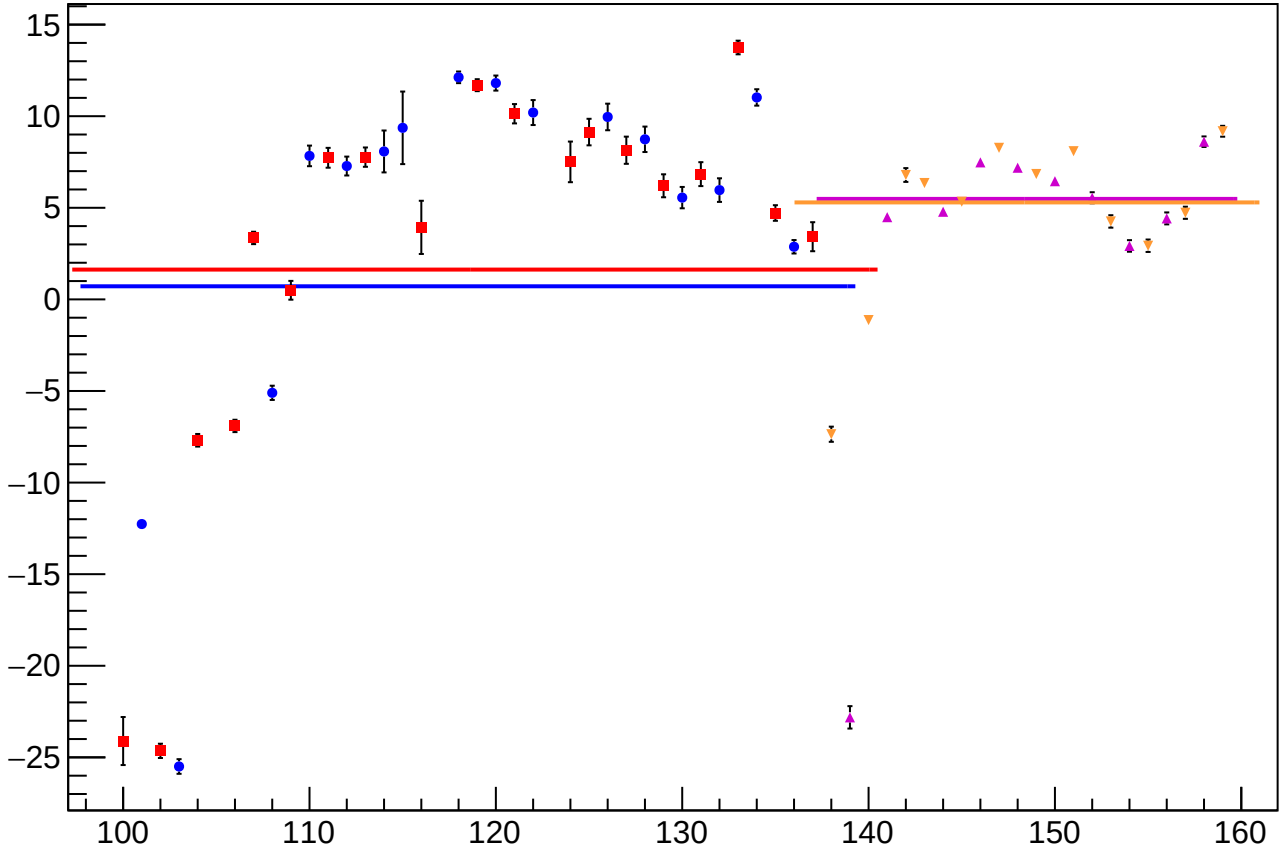
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.710+/-0.084 χ^2/NDF:3463.1/25

Out: 5.455+/-0.079 χ^2/NDF:6790.7/30

All: 5.105+/-0.058 χ^2/NDF: 10295.2/56

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: 5.293+/-0.080 χ^2/NDF:2269.5/11

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.485+/-0.085 χ^2/NDF:2525.1/9

Left: 5.384+/-0.058 χ^2/NDF: 4797.3/21

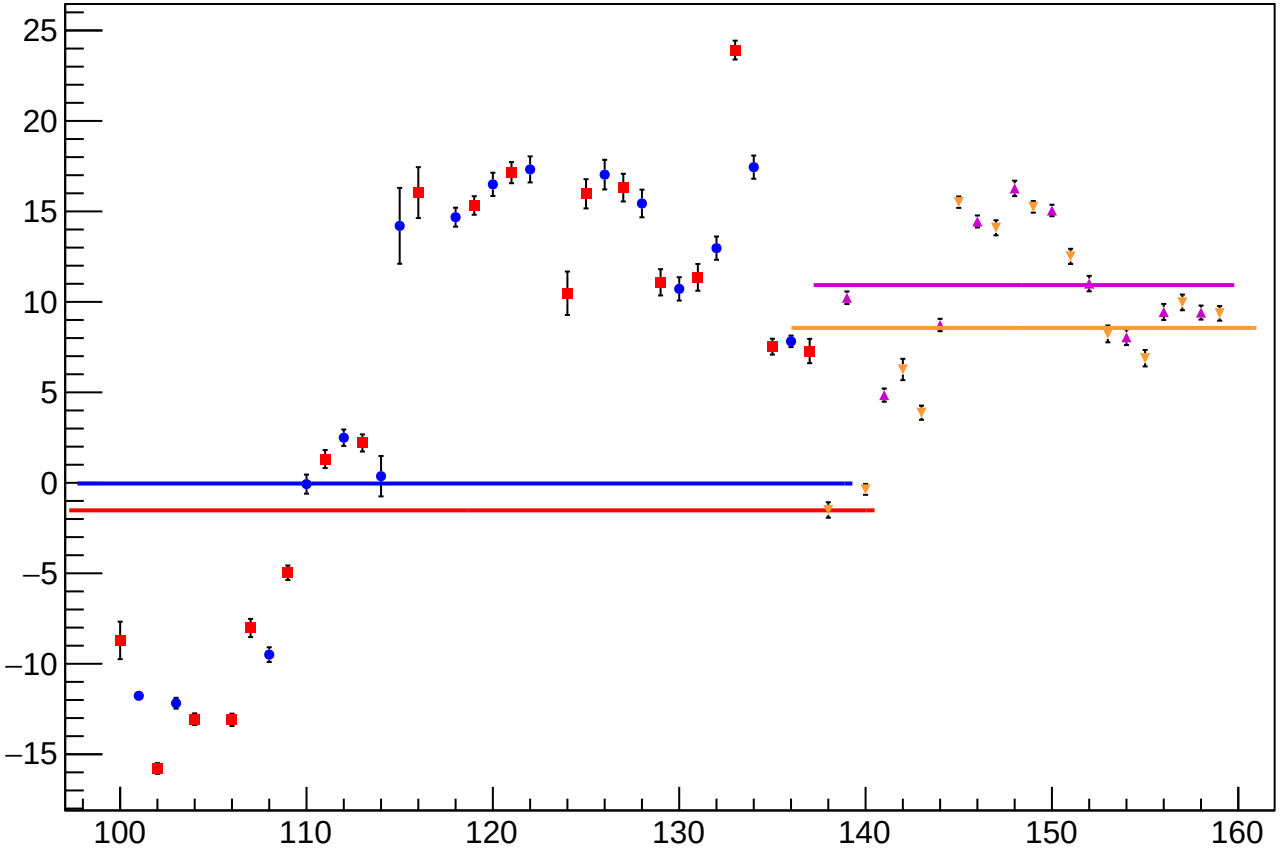
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.819+/-0.069 χ^2/NDF:14080.9/25

Out: 4.038+/-0.065 χ^2/NDF:12242.2/30

All: 3.934+/-0.047 χ^2/NDF: 26328.4/56

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: 8.562+/-0.113 χ^2/NDF:2813.9/11

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.927+/-0.118 χ^2/NDF:830.0/9

Left: 9.691+/-0.082 χ^2/NDF: 3852.3/21

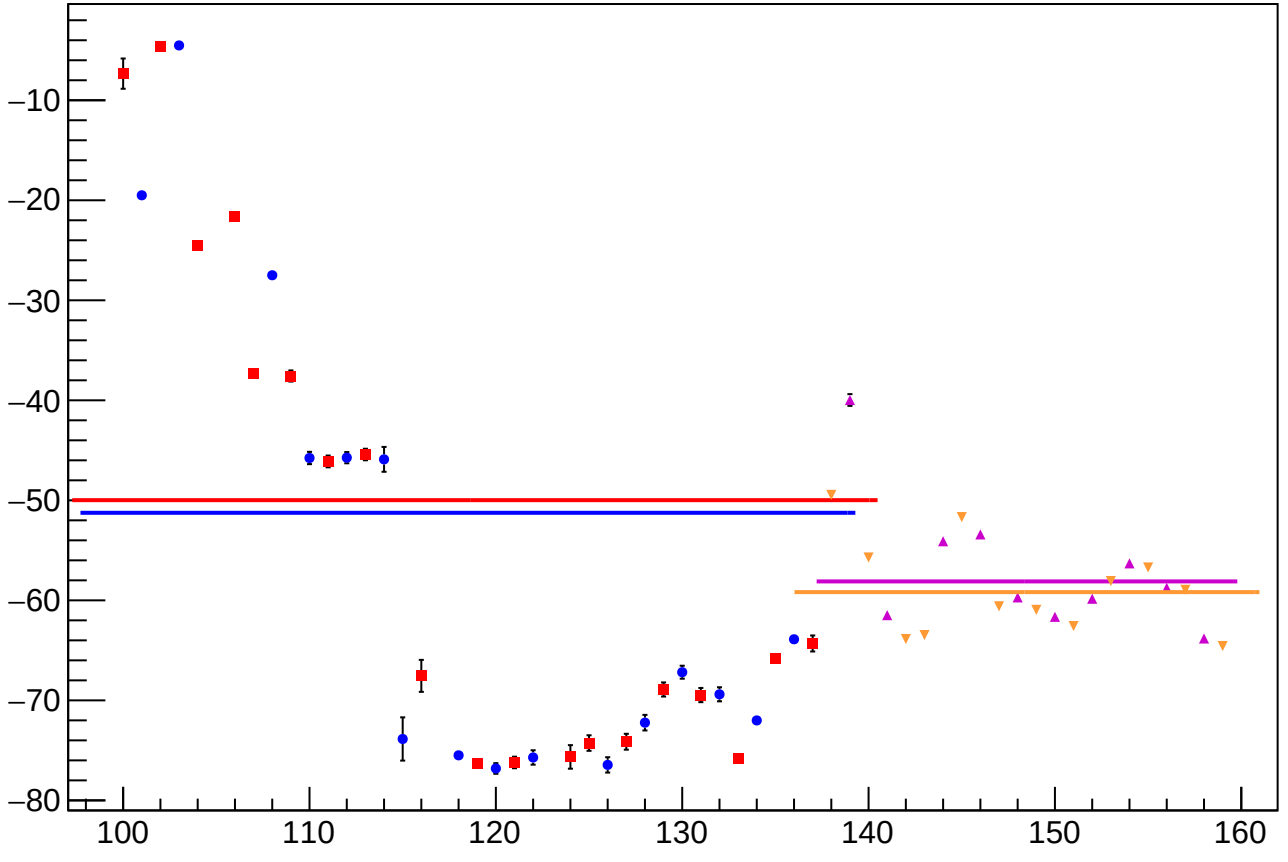
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.487+/-0.084 χ^2/NDF:14356.7/25

Out: 3.606+/-0.081 χ^2/NDF:18847.1/30

All: 4.508+/-0.058 χ^2/NDF: 33464.4/56

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: -59.177+/-0.095 χ^2/NDF:2043.5/11

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.107+/-0.101 χ^2/NDF:2205.6/9

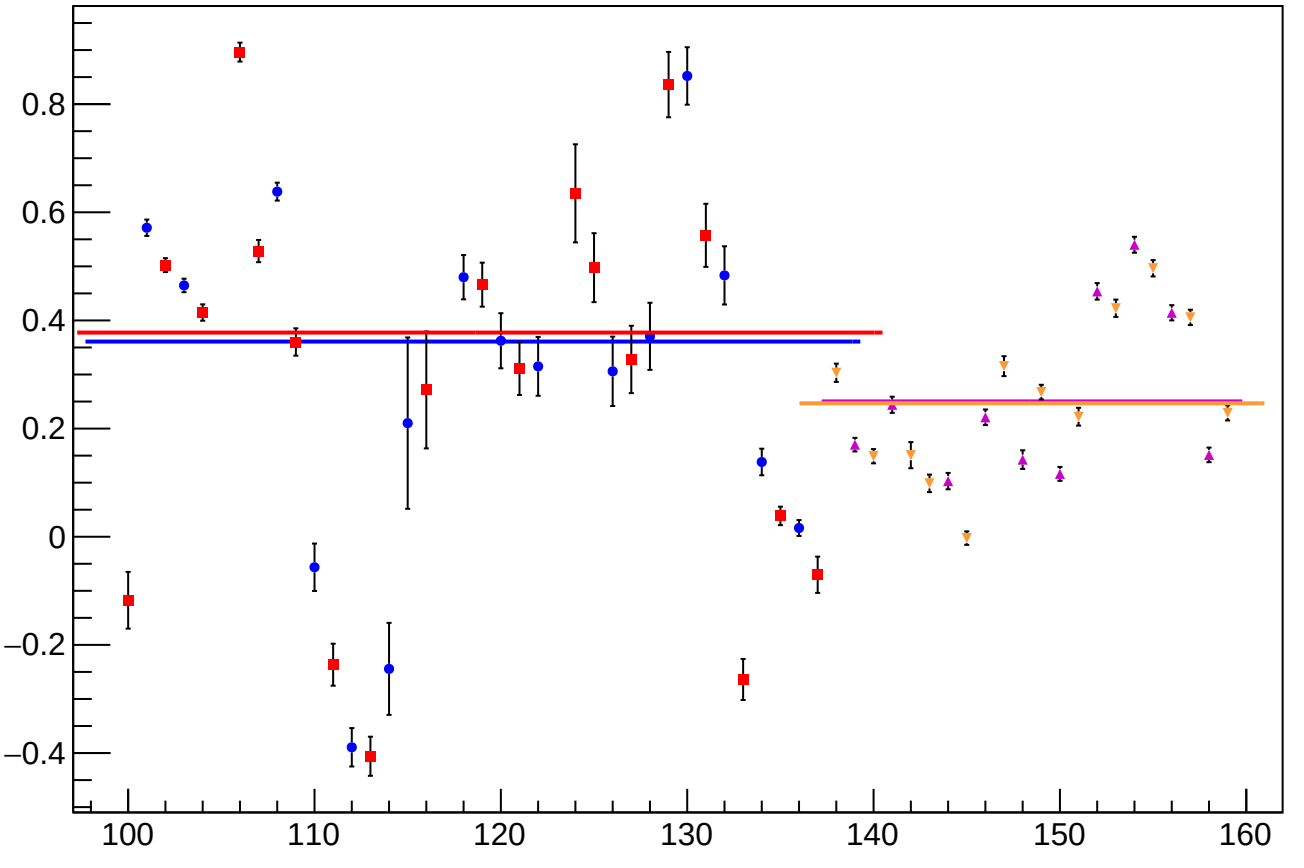
Left: -58.670+/-0.069 χ^2/NDF: 4308.6/21

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.677+/-0.081 χ^2/NDF:37620.3/25

Out: -55.978+/-0.077 χ^2/NDF:39163.6/30

All: -55.835+/-0.056 χ^2/NDF: 76791.1/56



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.247+/-0.004 χ^2/NDF:1102.9/11

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.250+/-0.005 χ^2/NDF:1039.3/9

Left: 0.248+/-0.003 χ^2/NDF: 2142.5/21

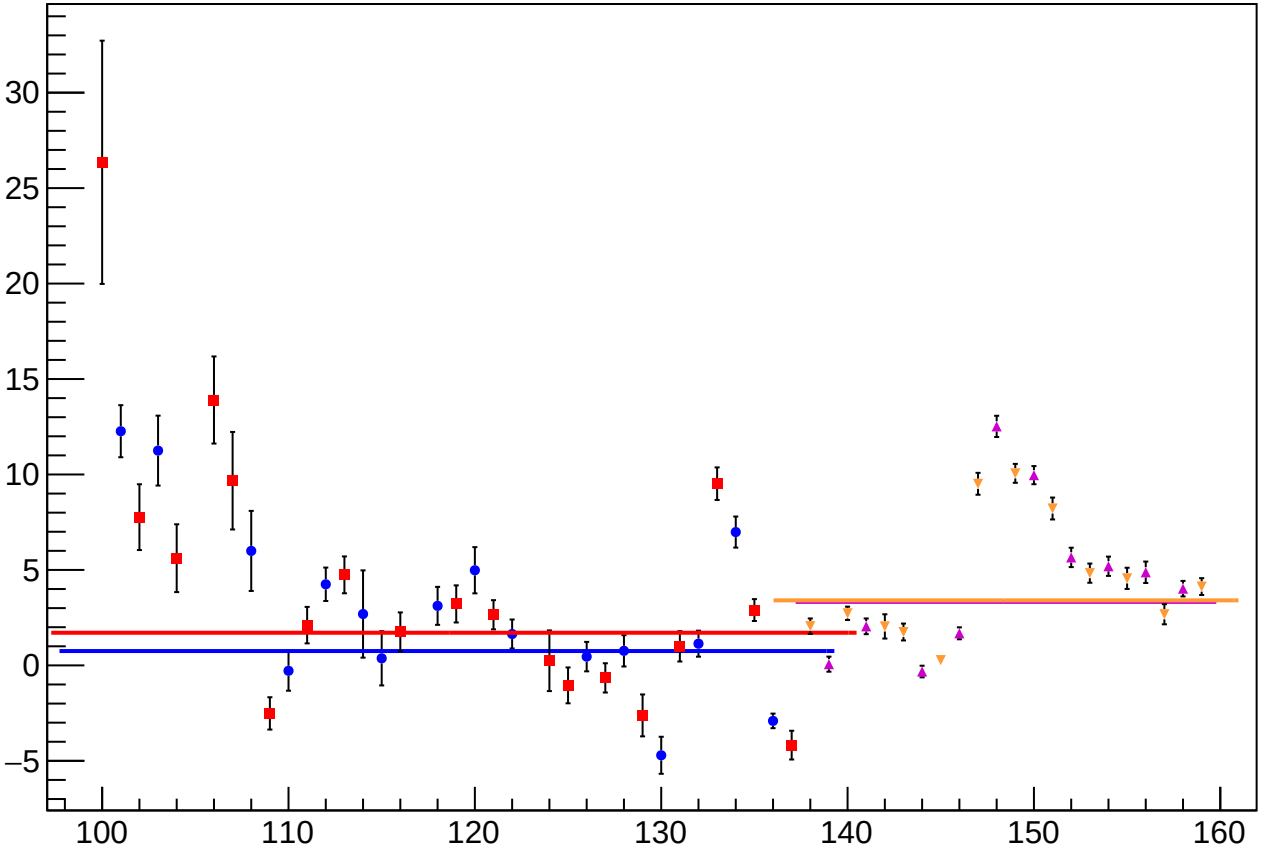
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.287+/-0.004 χ^2/NDF:3099.9/25

Out: 0.291+/-0.004 χ^2/NDF:4194.6/30

All: 0.290+/-0.003 χ^2/NDF: 7295.2/56

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.406+/-0.127 χ^2/NDF:555.9/11

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 3.326+/-0.131 χ^2/NDF:762.8/9

Left: 3.367+/-0.091 χ^2/NDF: 1318.8/21

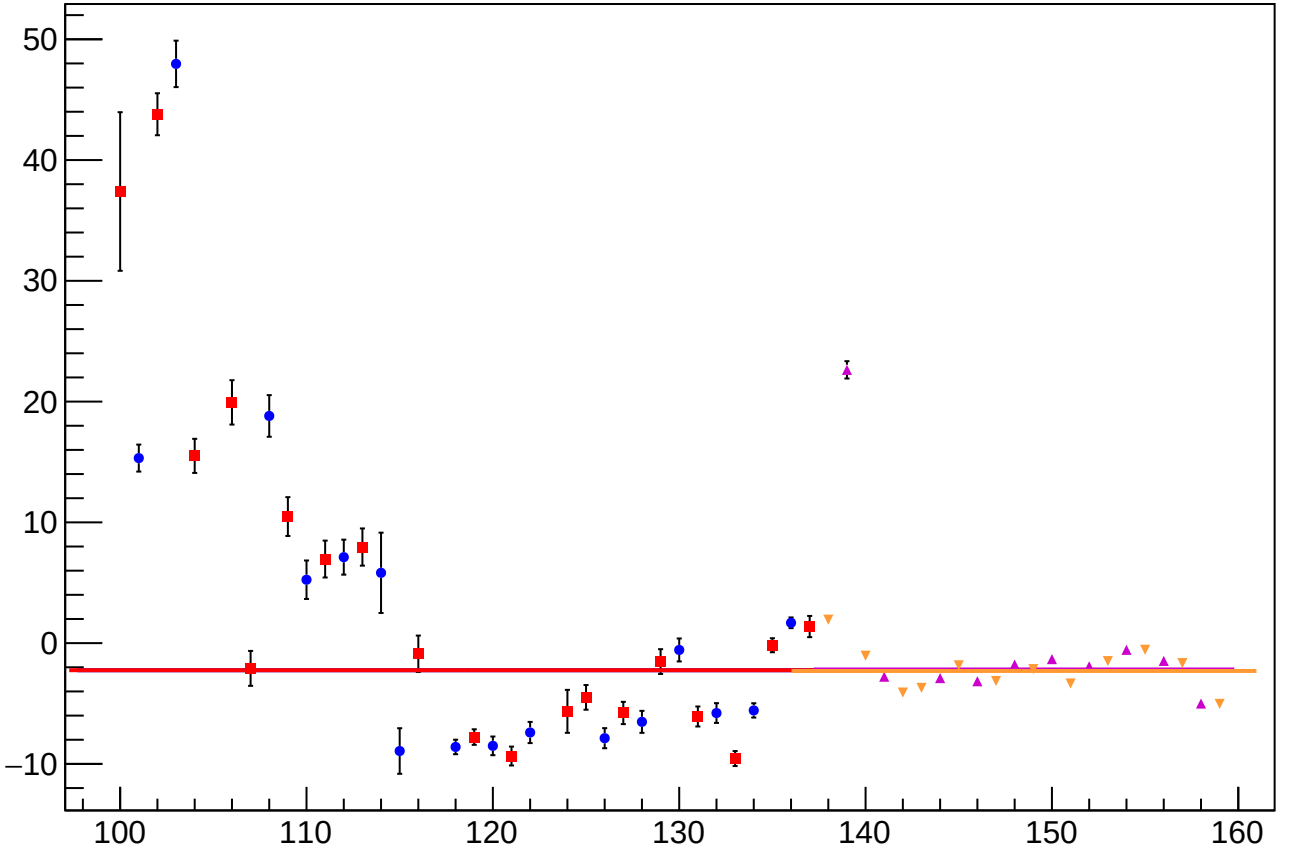
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.614+/-0.112 χ^2/NDF:1199.1/25

Out: 2.992+/-0.110 χ^2/NDF:893.5/30

All: 2.806+/-0.078 χ^2/NDF: 2098.4/56

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.304+/-0.090 χ^2/NDF:310.7/11

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.180+/-0.091 χ^2/NDF:1374.4/9

Left: -2.243+/-0.064 χ^2/NDF: 1686.1/21

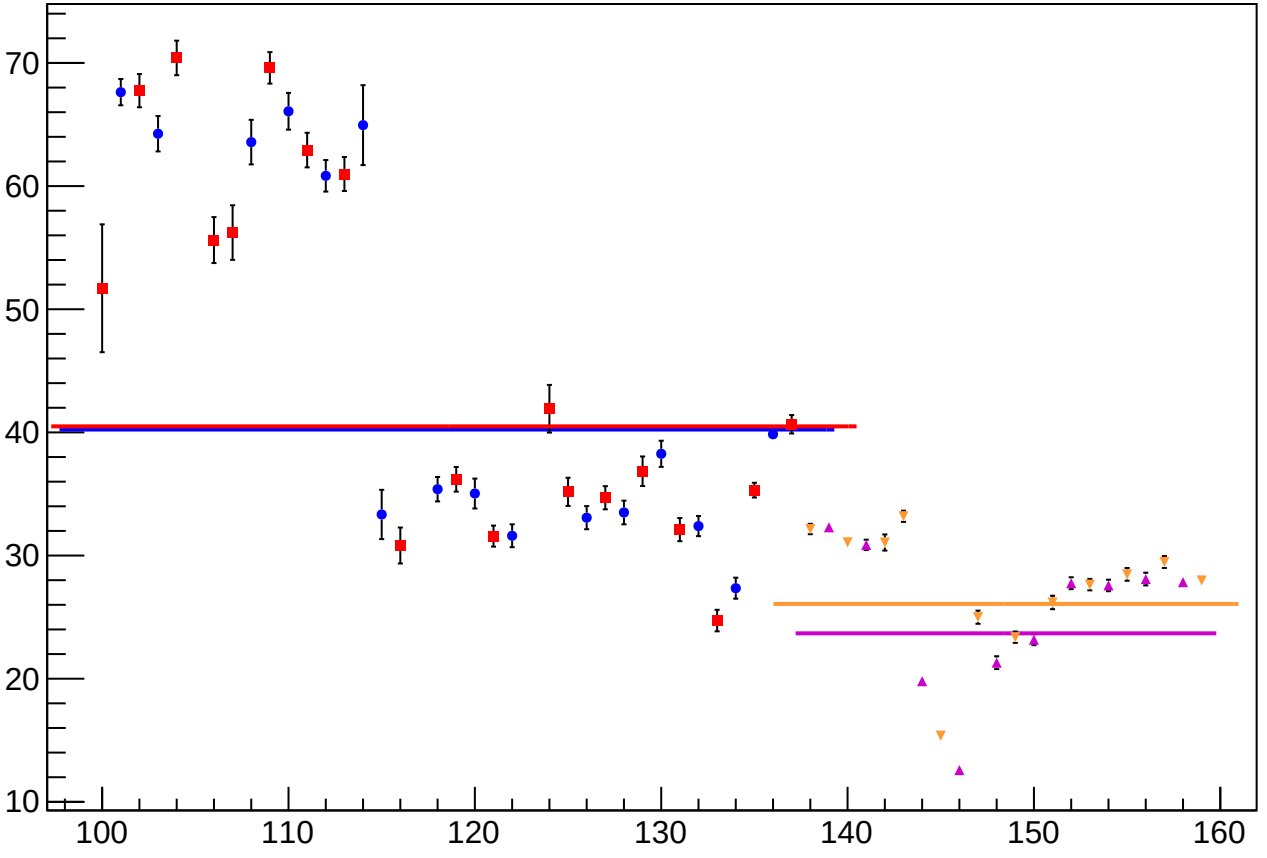
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.190+/-0.084 χ^2/NDF:2947.0/25

Out: -2.295+/-0.084 χ^2/NDF:1866.4/30

All: -2.243+/-0.059 χ^2/NDF: 4814.2/56

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: 26.072+/-0.125 χ^2/NDF:2397.4/11

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 23.683+/-0.128 χ^2/NDF:2593.2/9

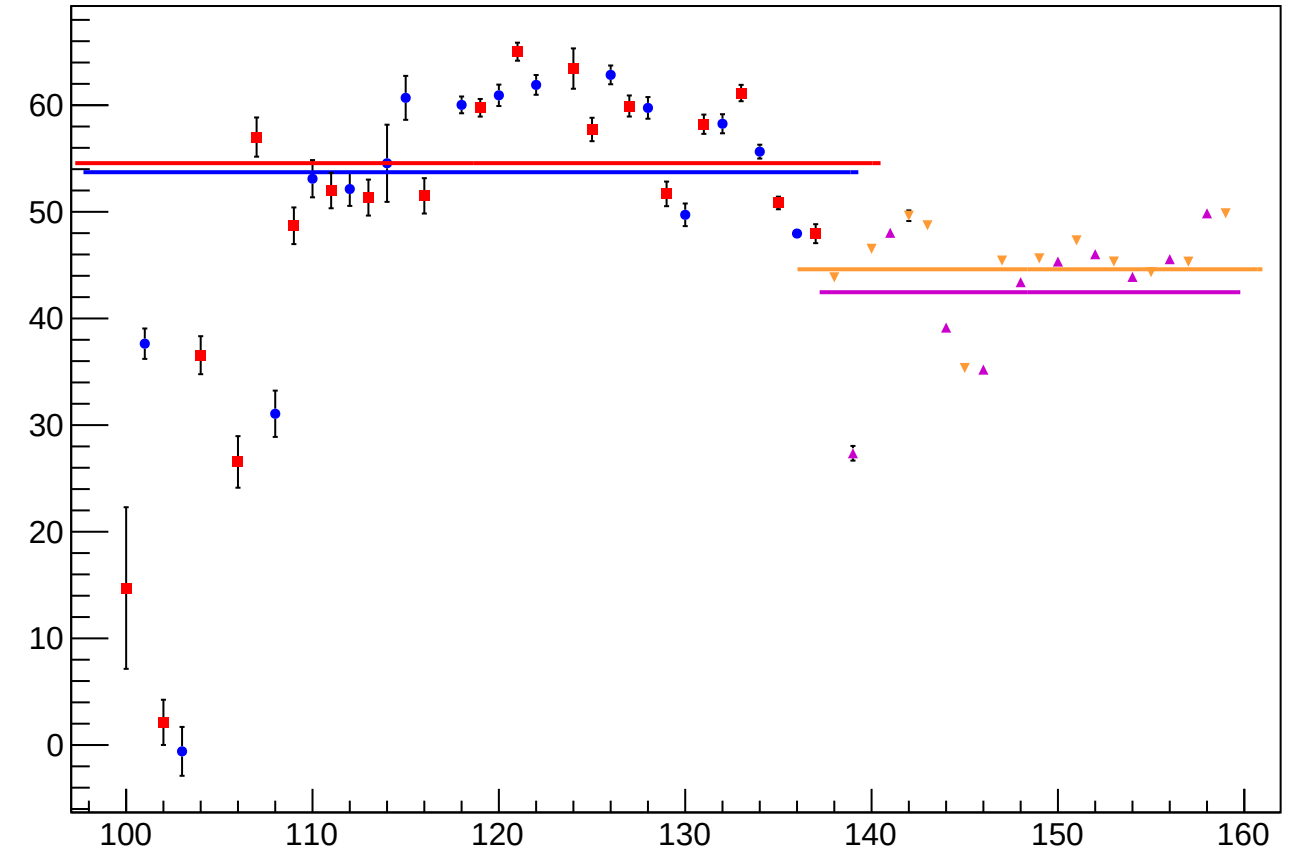
Left: 24.907+/-0.089 χ^2/NDF: 5169.3/21

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.556+/-0.112 χ^2/NDF:8800.8/25

Out: 28.941+/-0.112 χ^2/NDF:7750.5/30

All: 28.250+/-0.079 χ^2/NDF: 16628.0/56



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 44.613+/-0.106 χ^2/NDF:2010.4/11

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.462+/-0.107 χ^2/NDF:2671.6/9

Left: 43.552+/-0.075 χ^2/NDF: 4885.2/21

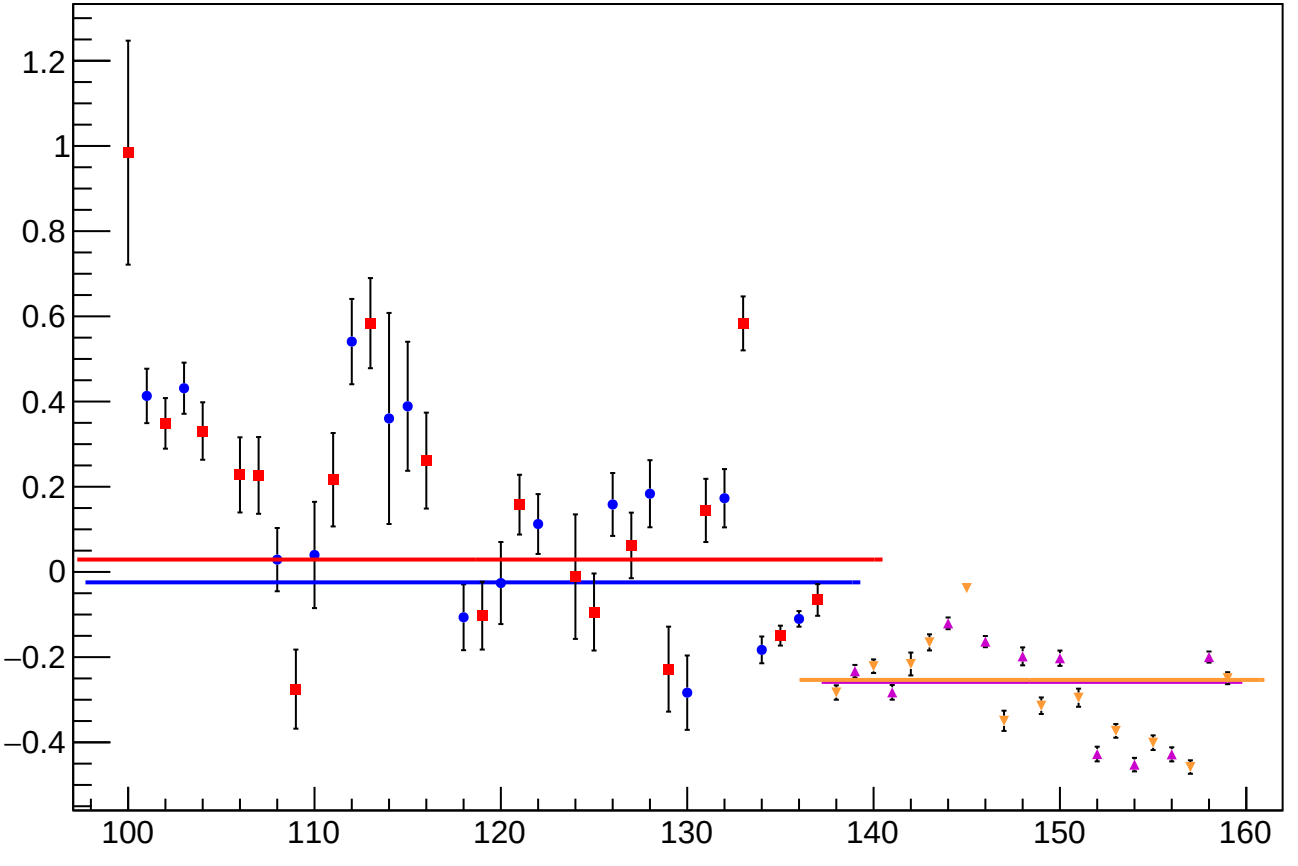
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.353+/-0.098 χ^2/NDF:5878.6/25

Out: 46.068+/-0.098 χ^2/NDF:4642.0/30

All: 45.211+/-0.069 χ^2/NDF: 10673.8/56

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: -0.253+/-0.005 χ^2/NDF:755.9/11

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.258+/-0.005 χ^2/NDF:544.5/9

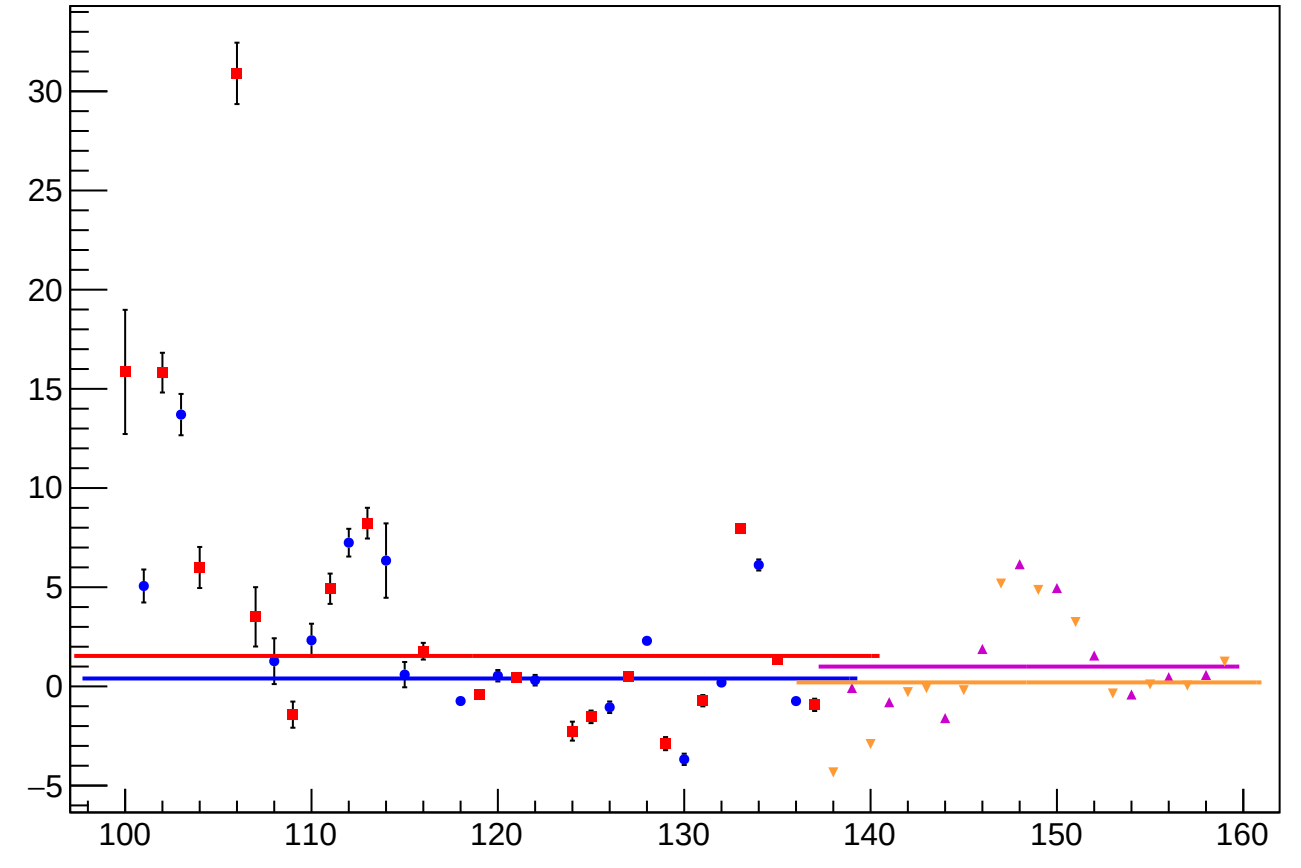
Left: -0.256+/-0.003 χ^2/NDF: 1300.9/21

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.228+/-0.005 χ^2/NDF:1064.4/25

Out: -0.224+/-0.005 χ^2/NDF:1385.2/30

All: -0.226+/-0.003 χ^2/NDF: 2449.9/56



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.201+/-0.047 χ^2/NDF:3275.2/11

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.998+/-0.048 χ^2/NDF:2333.4/9

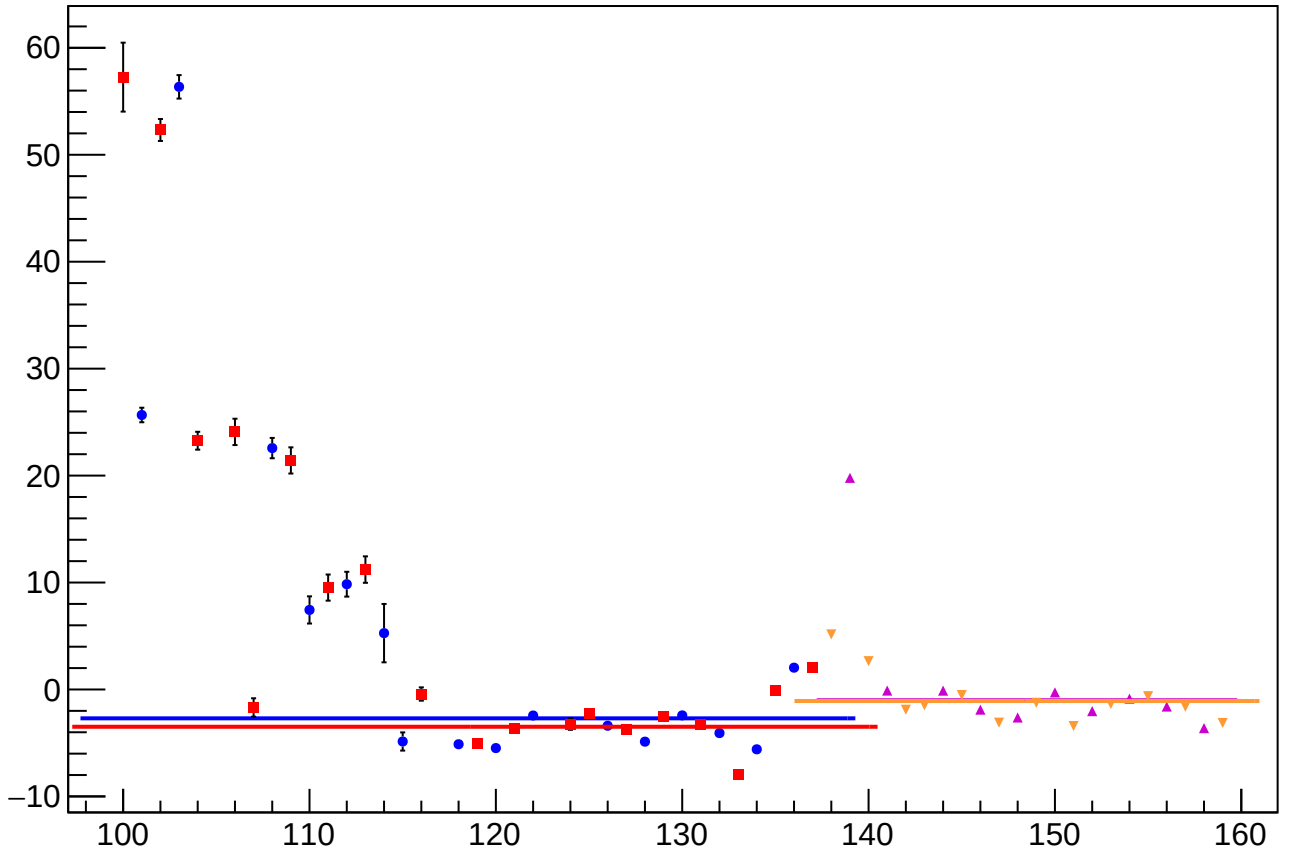
Left: 0.591+/-0.033 χ^2/NDF: 5750.6/21

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.831+/-0.041 χ^2/NDF:3474.5/25

Out: 0.553+/-0.040 χ^2/NDF:5900.9/30

All: 0.691+/-0.029 χ^2/NDF: 9399.2/56



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.079+/-0.033 χ^2/NDF:3987.1/11

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.007+/-0.033 χ^2/NDF:7889.8/9

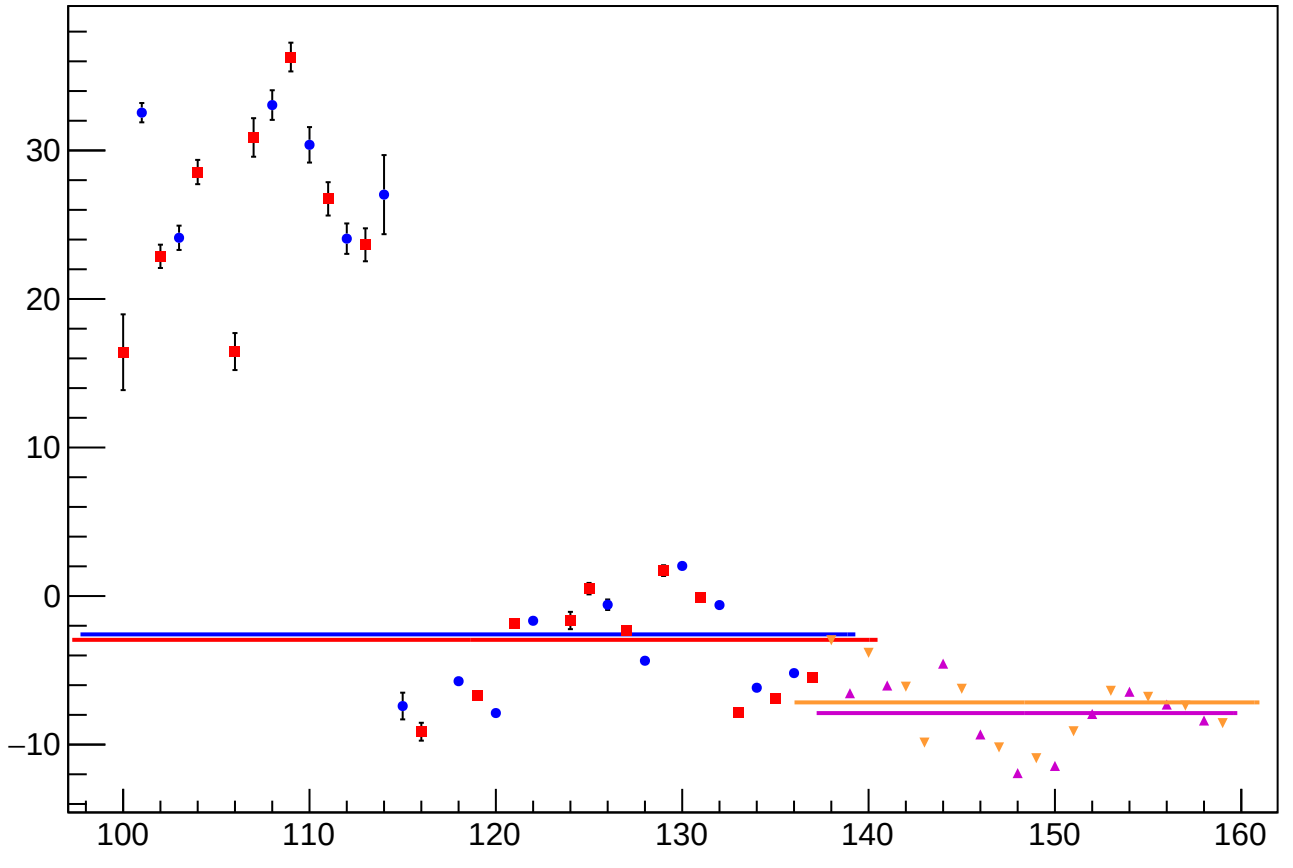
Left: -1.043+/-0.023 χ^2/NDF: 11879.2/21

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.313+/-0.030 χ^2/NDF:15462.2/25

Out: -1.509+/-0.030 χ^2/NDF:12094.6/30

All: -1.412+/-0.021 χ^2/NDF: 27578.0/56



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.161+/-0.046 χ^2/NDF:2814.2/11

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.880+/-0.047 χ^2/NDF:2513.6/9

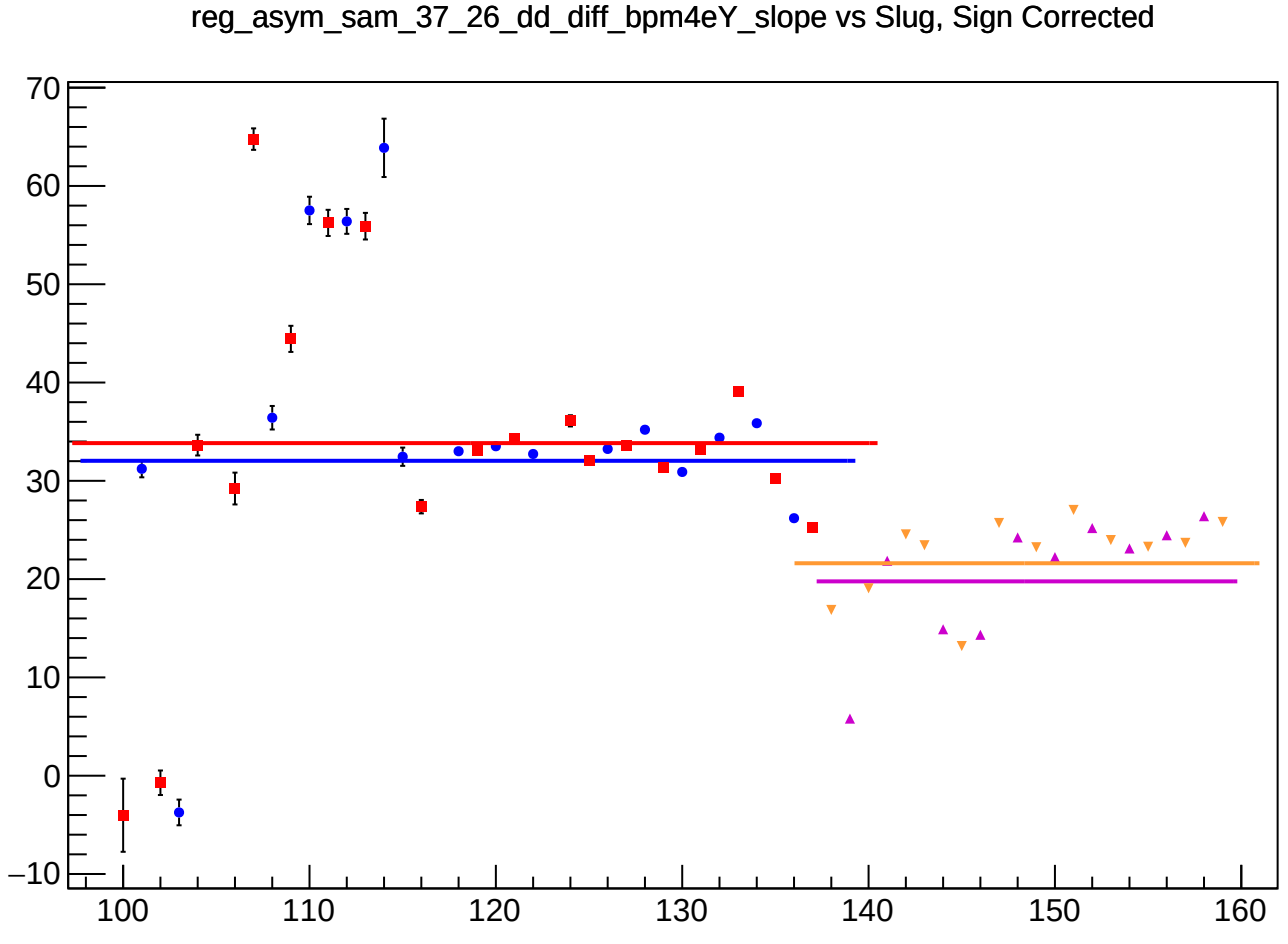
Left: -7.516+/-0.033 χ^2/NDF: 5448.0/21

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.608+/-0.041 χ^2/NDF:13763.4/25

Out: -6.202+/-0.041 χ^2/NDF:12910.6/30

All: -6.404+/-0.029 χ^2/NDF: 26723.8/56



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.614+/-0.039 χ^2/NDF:14174.1/11

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.771+/-0.040 χ^2/NDF:16836.3/9

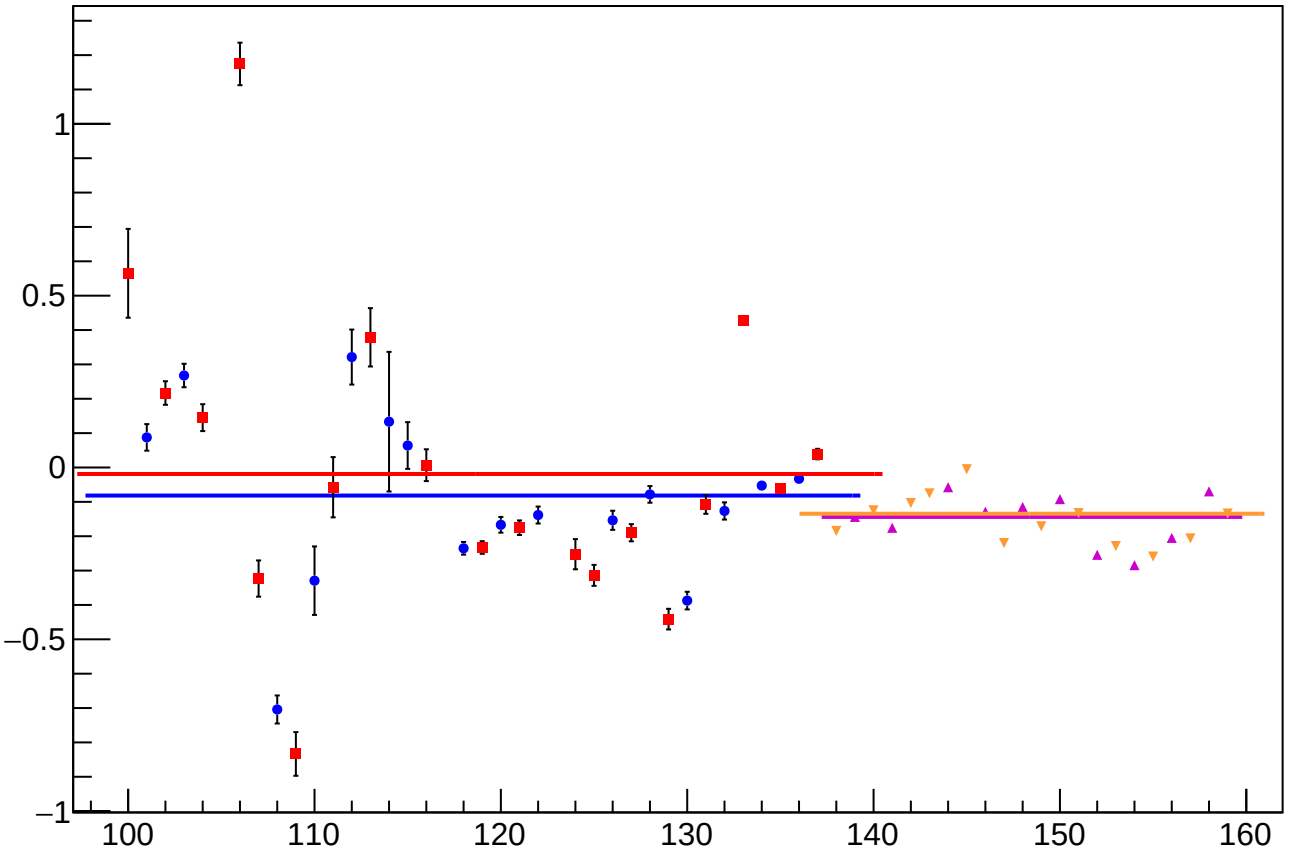
Left: 20.699+/-0.028 χ^2/NDF: 32105.8/21

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.117+/-0.036 χ^2/NDF:38509.9/25

Out: 23.909+/-0.035 χ^2/NDF:36628.4/30

All: 23.018+/-0.025 χ^2/NDF: 76414.6/56



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:2049.8/11

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.144+/-0.002 χ^2/NDF:1452.4/9

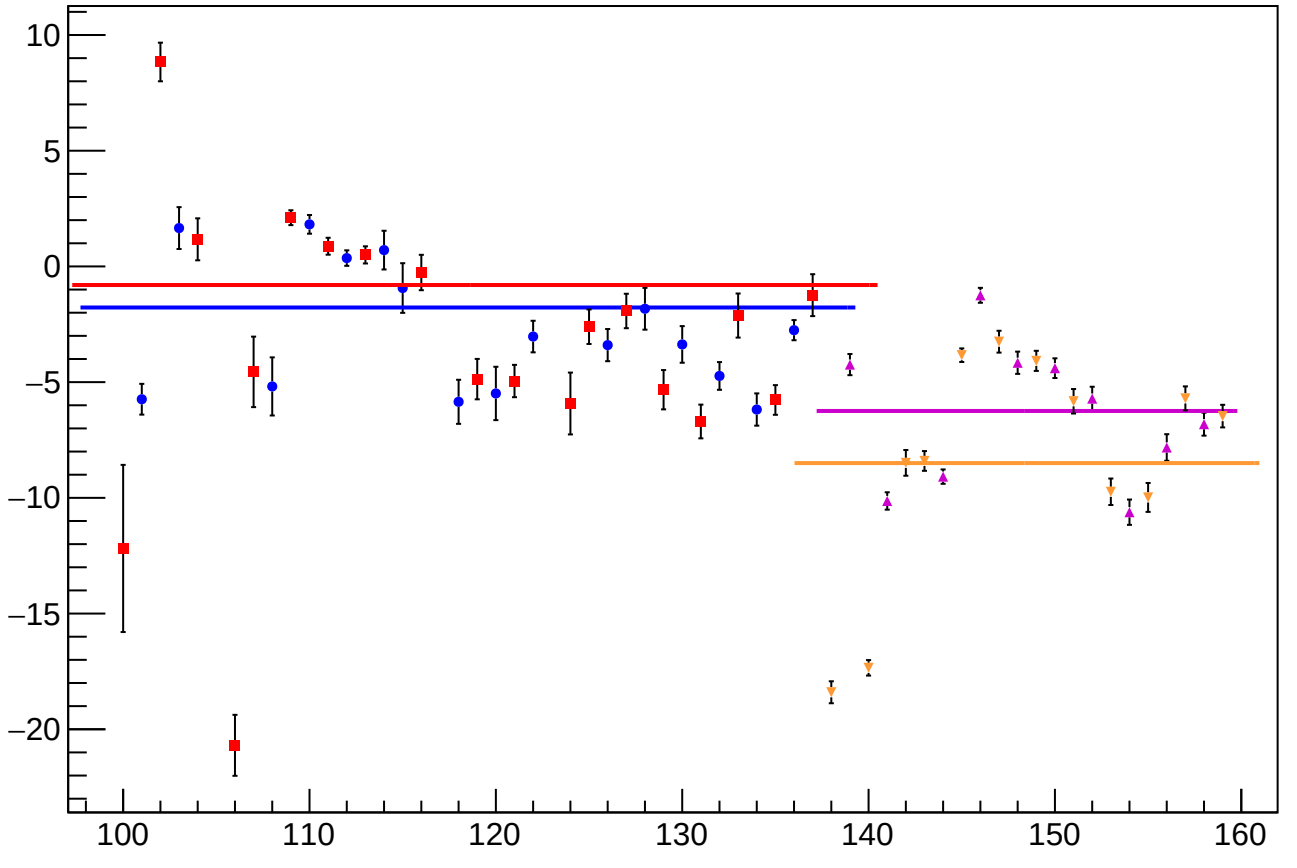
Left: -0.139+/-0.001 χ^2/NDF: 3515.5/21

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.136+/-0.002 χ^2/NDF:2286.8/25

Out: -0.122+/-0.002 χ^2/NDF:4764.5/30

All: -0.129+/-0.001 χ^2/NDF: 7085.0/56



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.497+/-0.128 χ^2/NDF:1693.2/11

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.246+/-0.134 χ^2/NDF:562.1/9

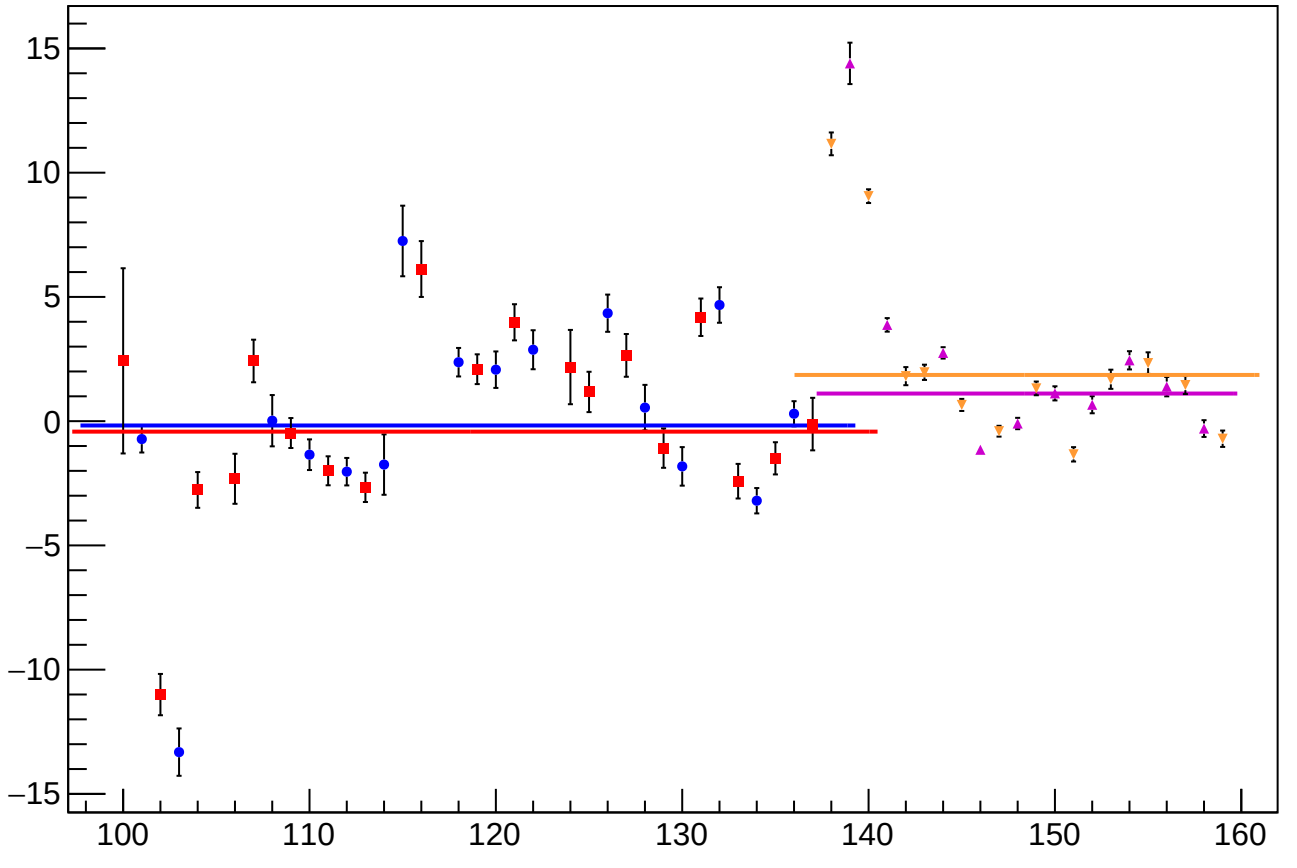
Left: -7.416+/-0.093 χ^2/NDF: 2402.9/21

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.369+/-0.102 χ^2/NDF:1329.5/25

Out: -5.200+/-0.097 χ^2/NDF:3964.7/30

All: -4.804+/-0.070 χ^2/NDF: 5329.1/56



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.860+/-0.088 χ^2/NDF:1409.1/11

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.111+/-0.090 χ^2/NDF:604.4/9

Left: 1.493+/-0.063 χ^2/NDF: 2048.6/21

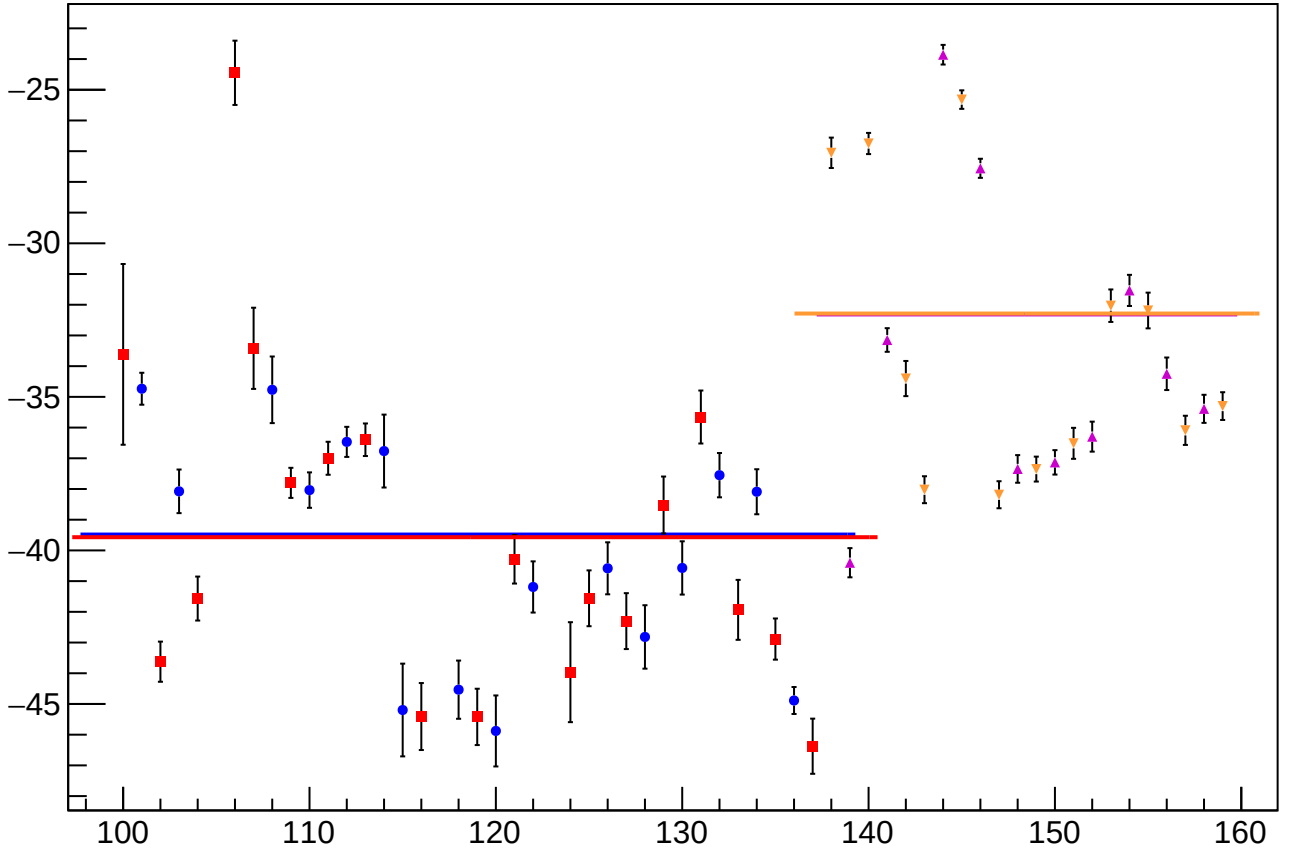
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.837+/-0.080 χ^2/NDF:1050.9/25

Out: 1.405+/-0.079 χ^2/NDF:1908.1/30

All: 1.124+/-0.056 χ^2/NDF: 2984.5/56

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: -32.287+/-0.126 χ^2/NDF:1602.8/11

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -32.316+/-0.130 χ^2/NDF:1626.8/9

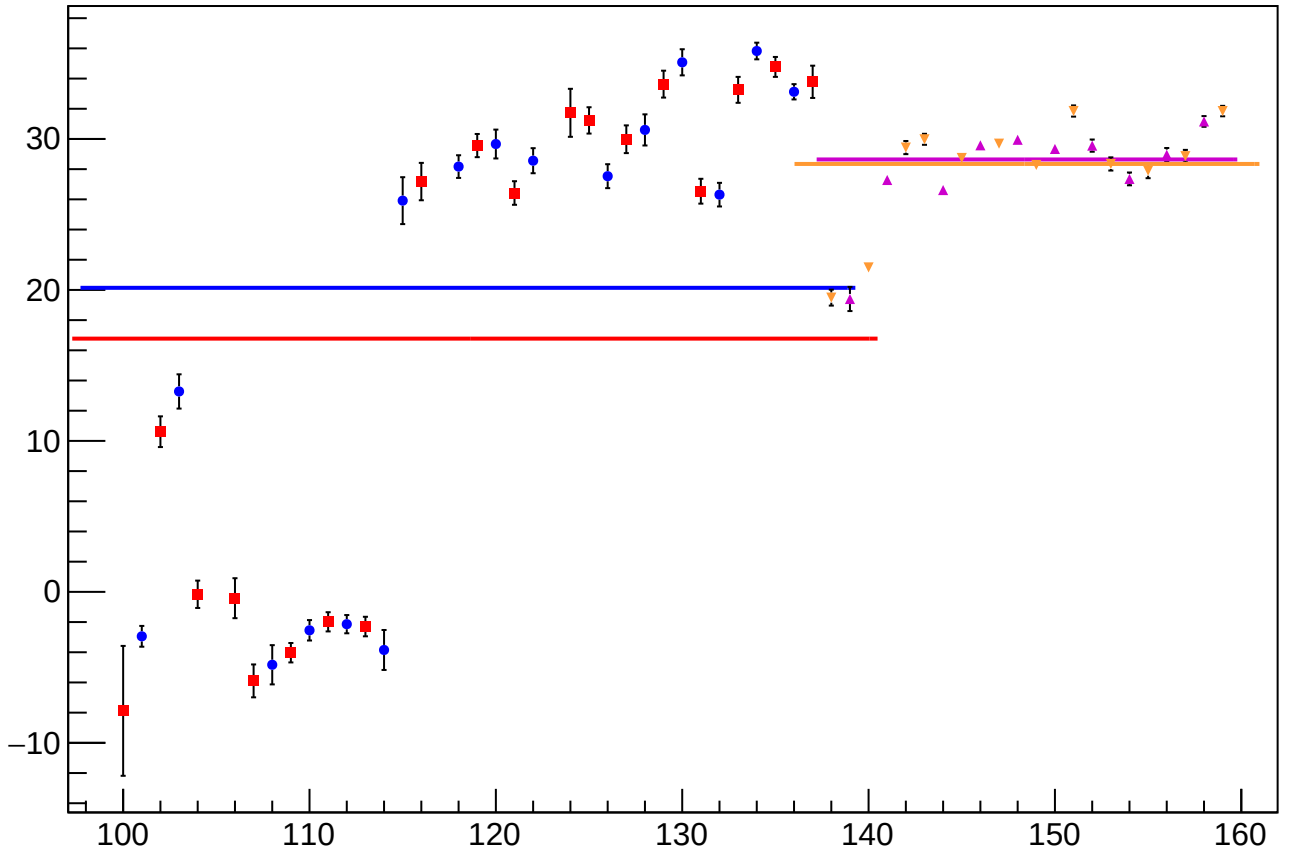
Left: -32.301+/-0.091 χ^2/NDF: 3229.6/21

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.773+/-0.106 χ^2/NDF:3075.6/25

Out: -34.670+/-0.104 χ^2/NDF:3245.8/30

All: -34.720+/-0.074 χ^2/NDF: 6321.9/56



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.345+/-0.106 χ^2/NDF:947.5/11

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.643+/-0.108 χ^2/NDF:309.7/9

Left: 28.491+/-0.076 χ^2/NDF: 1261.0/21

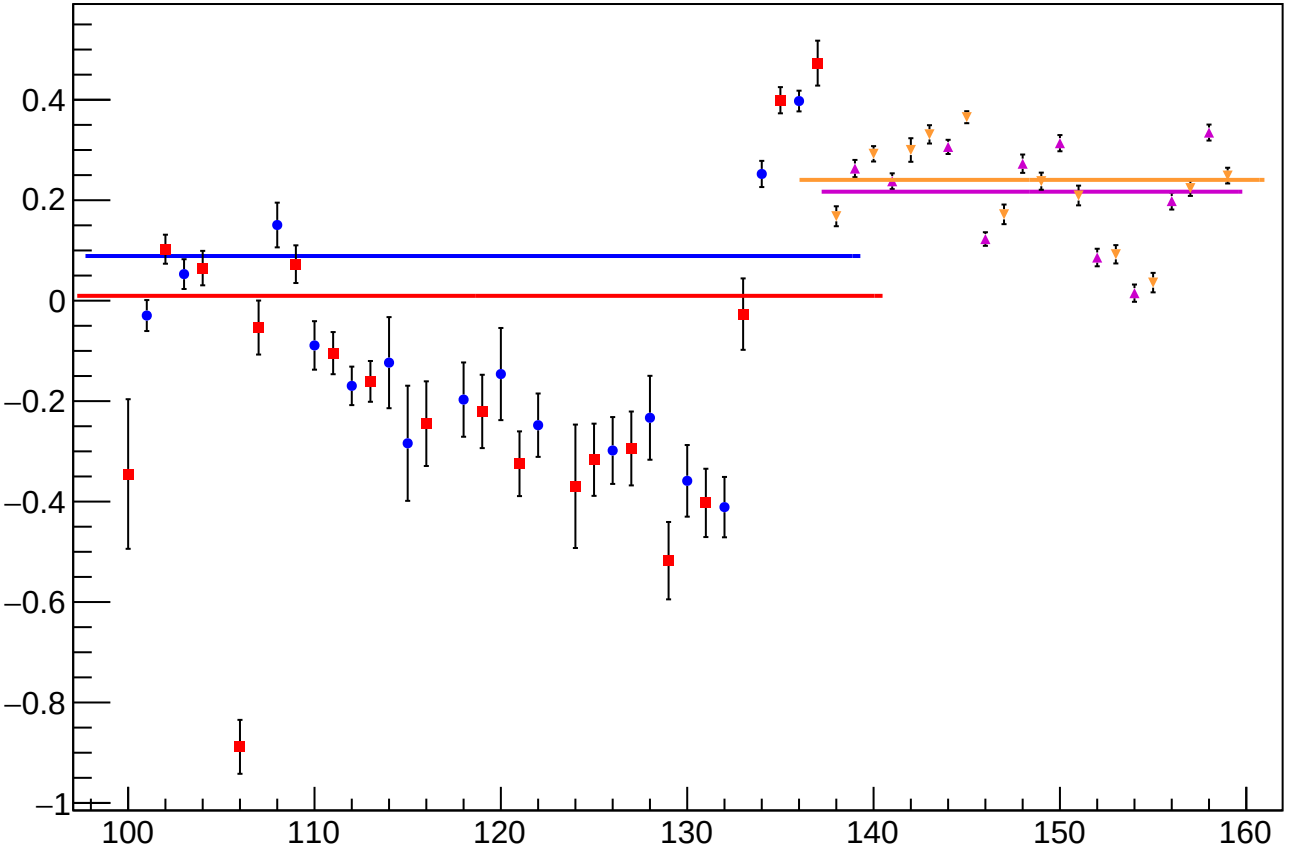
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.644+/-0.094 χ^2/NDF:8453.0/25

Out: 25.810+/-0.093 χ^2/NDF:10307.6/30

All: 26.223+/-0.066 χ^2/NDF: 18800.1/56

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.241+/-0.005 χ^2/NDF:358.5/11

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.217+/-0.005 χ^2/NDF:392.7/9

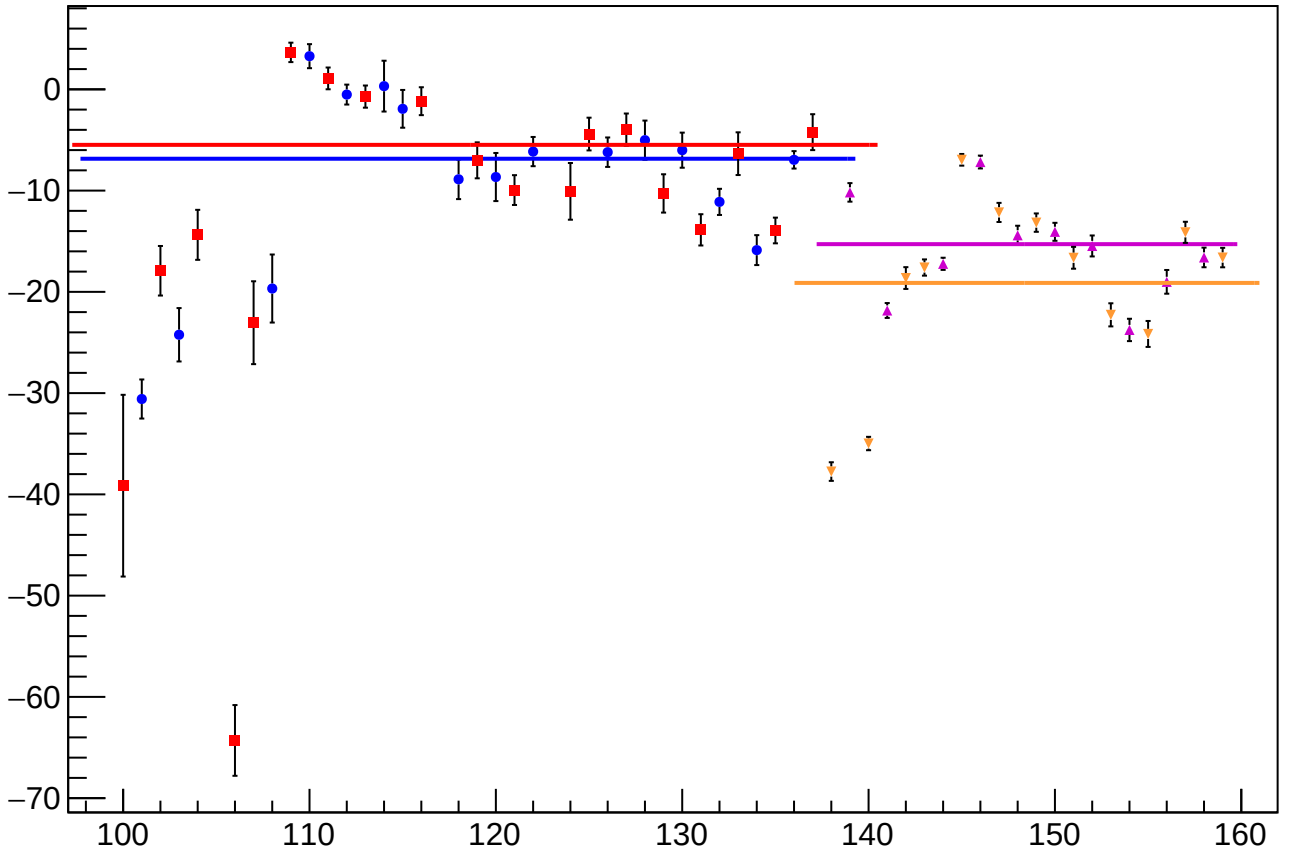
Left: 0.229+/-0.004 χ^2/NDF: 762.3/21

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

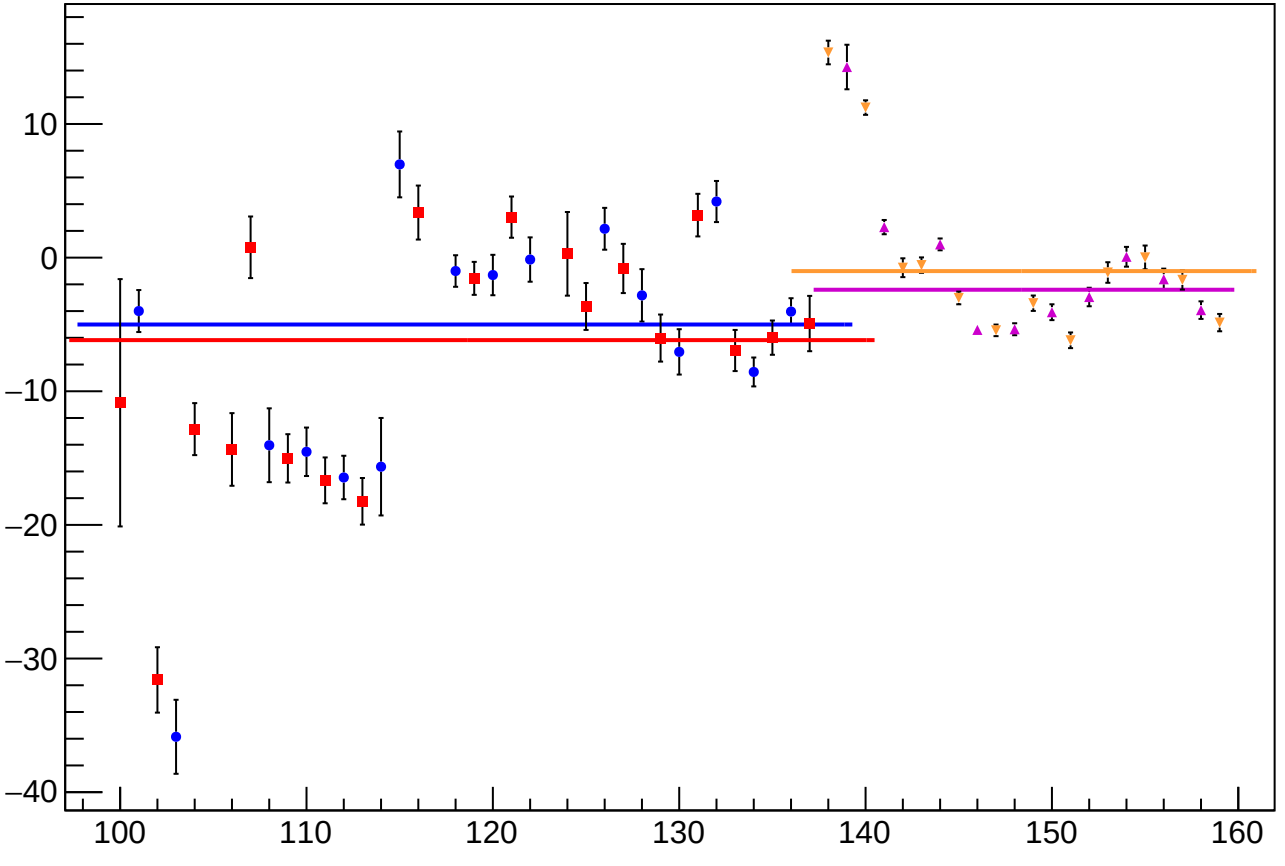
In: 0.192+/-0.005 χ^2/NDF:1078.9/25

Out: 0.202+/-0.004 χ^2/NDF:1559.2/30

All: 0.197+/-0.003 χ^2/NDF: 2640.3/56


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
Right In: -6.853+/-0.376 χ²/NDF: 390.1/15
Left Out: -19.116+/-0.254 χ²/NDF:1591.9/11
Right Out: -5.483+/-0.369 χ²/NDF: 606.5/18
Left In: -15.288+/-0.265 χ²/NDF:358.0/9
Left: -17.283+/-0.183 χ²/NDF: 2058.5/21
Right: -6.155+/-0.263 χ²/NDF: 1003.4/34
In: -12.484+/-0.217 χ²/NDF:1084.8/25
Out: -14.730+/-0.209 χ²/NDF:3124.4/30
All: -13.646+/-0.150 χ²/NDF: 4264.8/56

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: -1.008+/-0.175 χ^2/NDF:1103.2/11

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.403+/-0.178 χ^2/NDF:369.4/9

Left: -1.696+/-0.125 χ^2/NDF: 1503.8/21

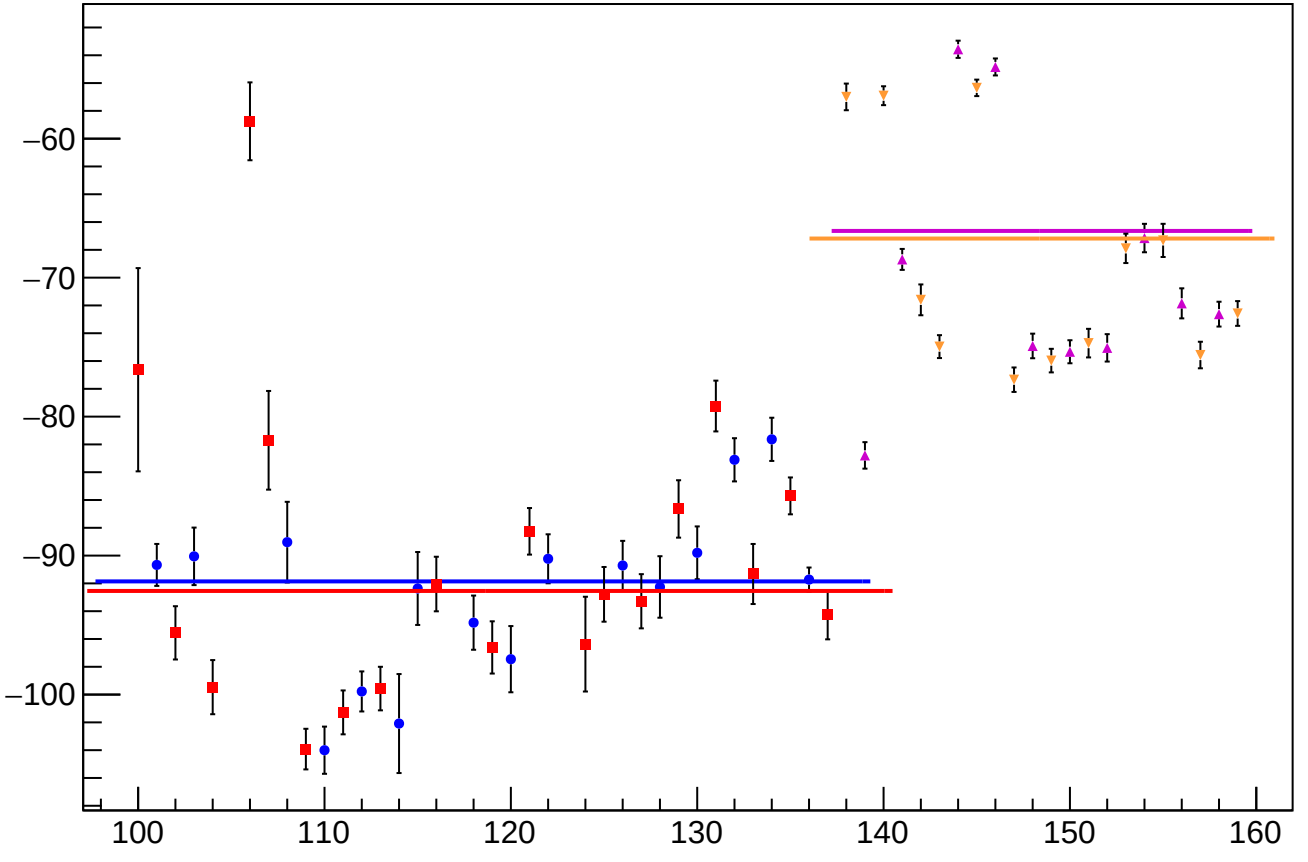
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.840+/-0.162 χ^2/NDF:747.1/25

Out: -1.785+/-0.162 χ^2/NDF:1602.9/30

All: -2.311+/-0.114 χ^2/NDF: 2371.3/56

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -67.186+/-0.250 χ^2/NDF:1189.4/11

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -66.639+/-0.258 χ^2/NDF:1451.8/9

Left: -66.921+/-0.180 χ^2/NDF: 2643.6/21

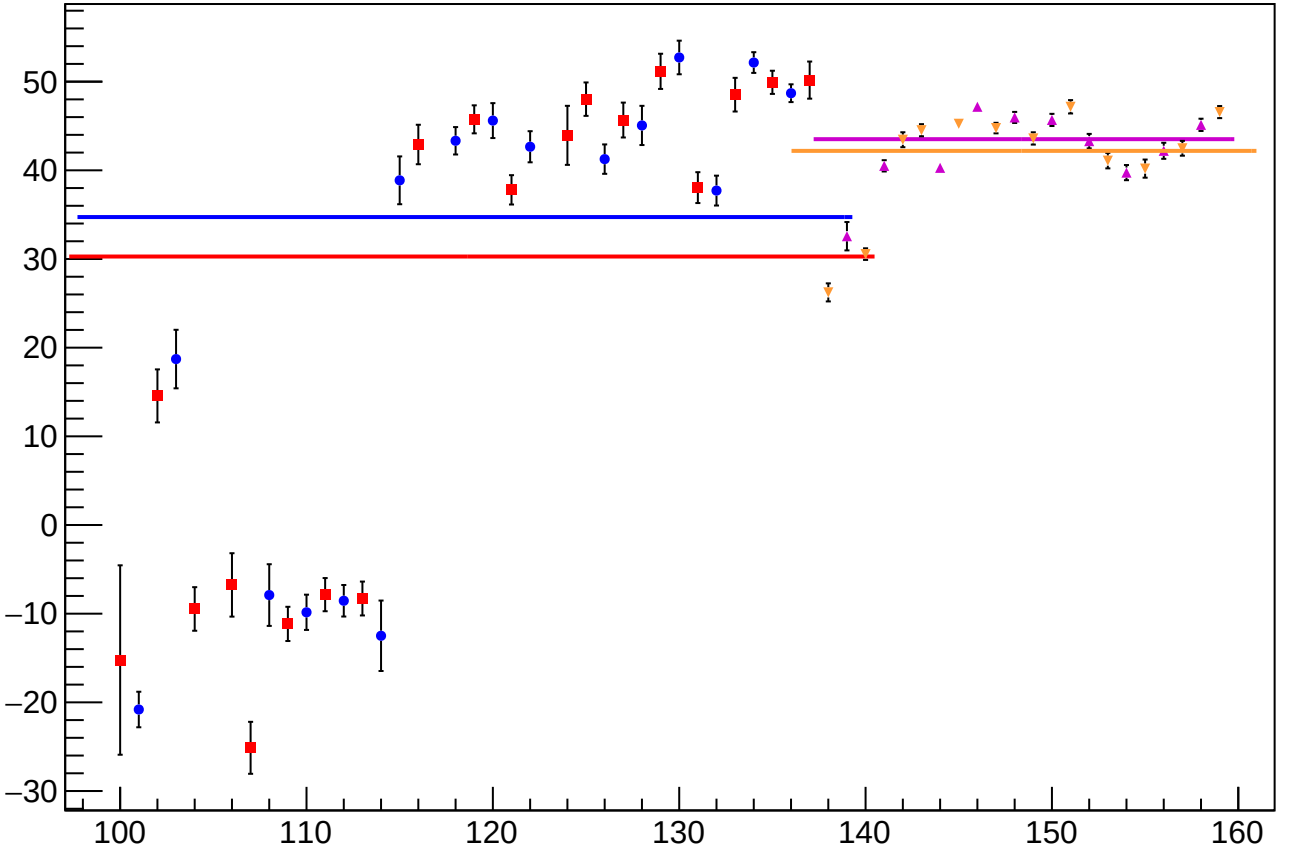
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.469+/-0.221 χ^2/NDF:4207.8/25

Out: -73.399+/-0.217 χ^2/NDF:4093.3/30

All: -73.433+/-0.155 χ^2/NDF: 8301.2/56

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: 42.193+/-0.210 χ^2/NDF:719.1/11

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.513+/-0.214 χ^2/NDF:220.5/9

Left: 42.841+/-0.150 χ^2/NDF: 959.0/21

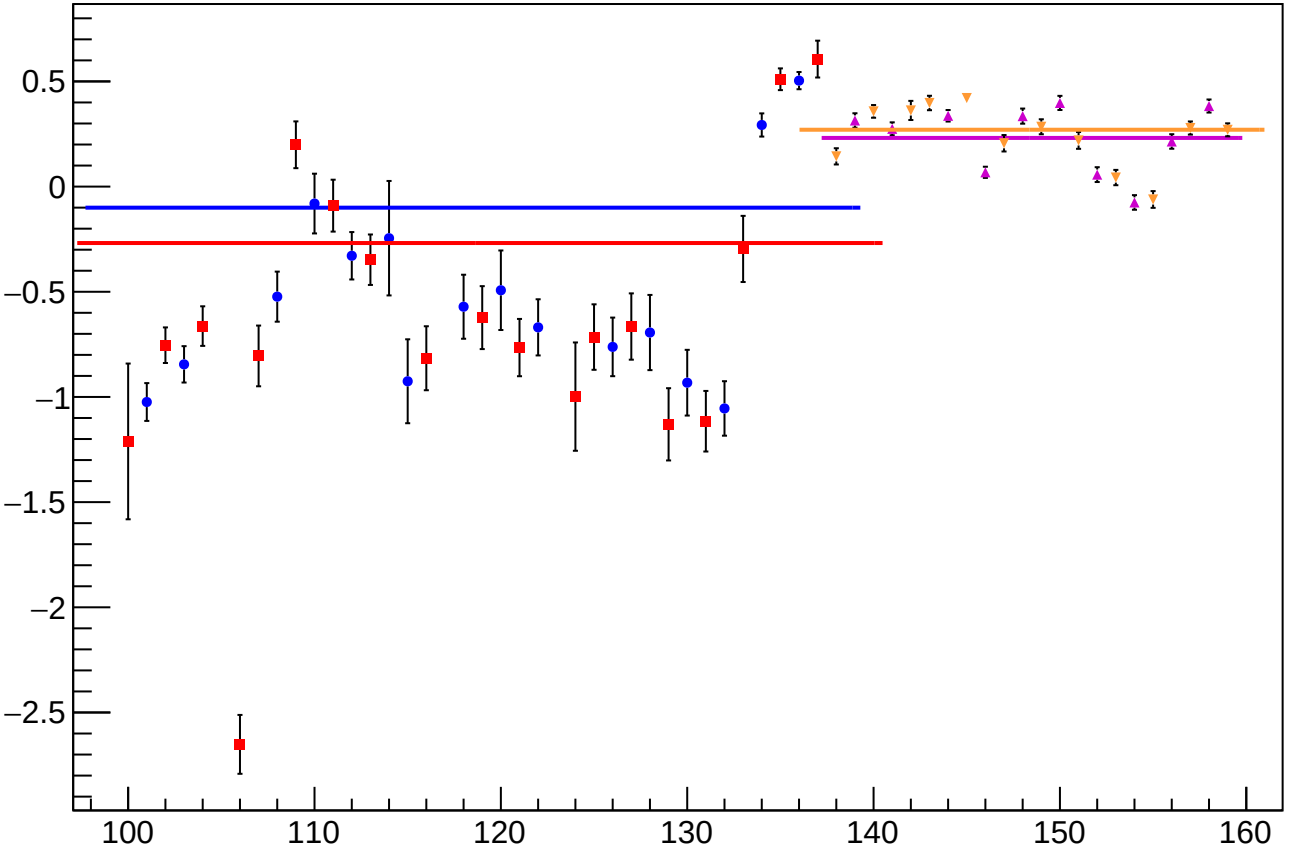
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.850+/-0.192 χ^2/NDF:3350.0/25

Out: 40.194+/-0.191 χ^2/NDF:4171.6/30

All: 41.018+/-0.136 χ^2/NDF: 7558.9/56

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: 0.270+/-0.010 χ^2/NDF:190.9/11

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.231+/-0.010 χ^2/NDF:219.8/9

Left: 0.251+/-0.007 χ^2/NDF: 418.4/21

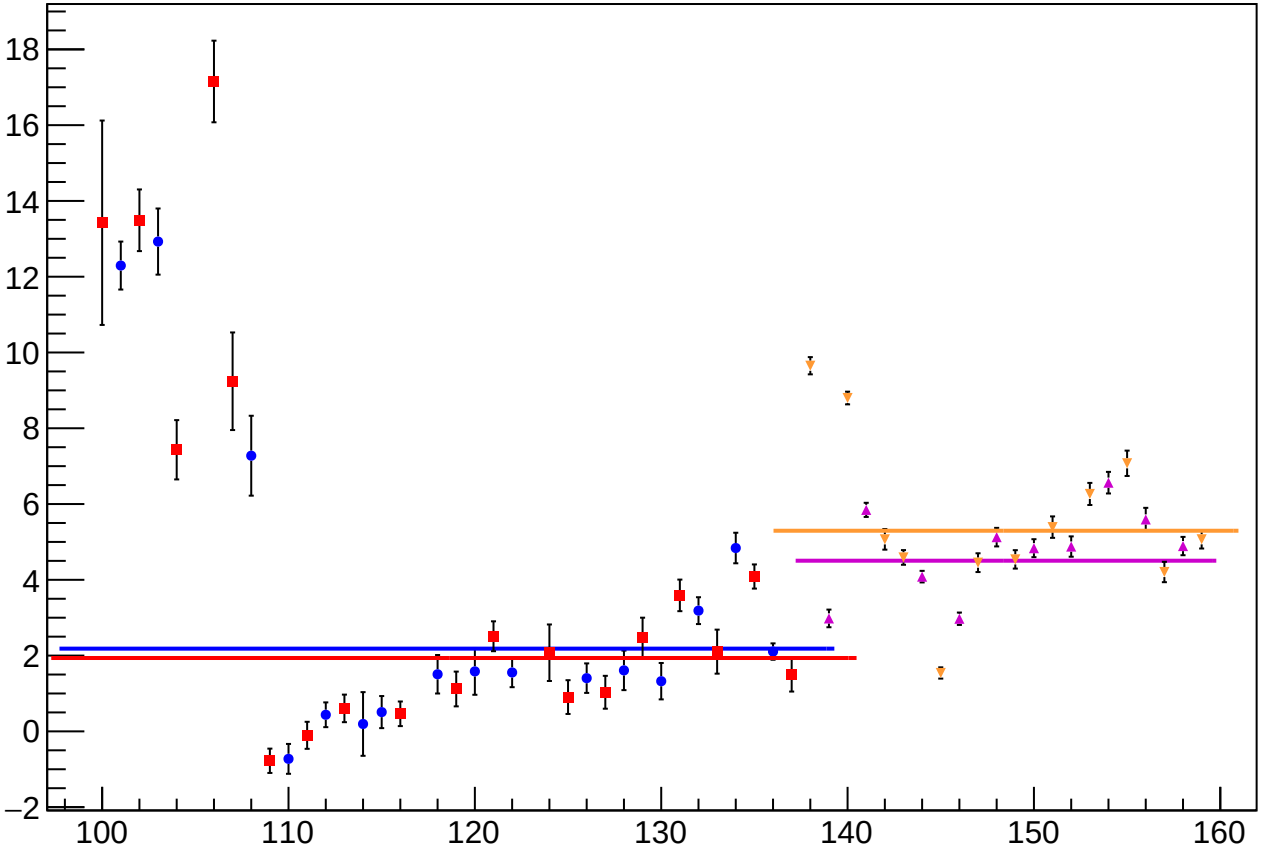
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.182+/-0.009 χ^2/NDF:1013.2/25

Out: 0.205+/-0.009 χ^2/NDF:1380.6/30

All: 0.193+/-0.007 χ^2/NDF: 2397.0/56

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: 5.295+/-0.065 χ^2/NDF:1532.3/11

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.504+/-0.068 χ^2/NDF:267.7/9

Left: 4.919+/-0.047 χ^2/NDF: 1870.7/21

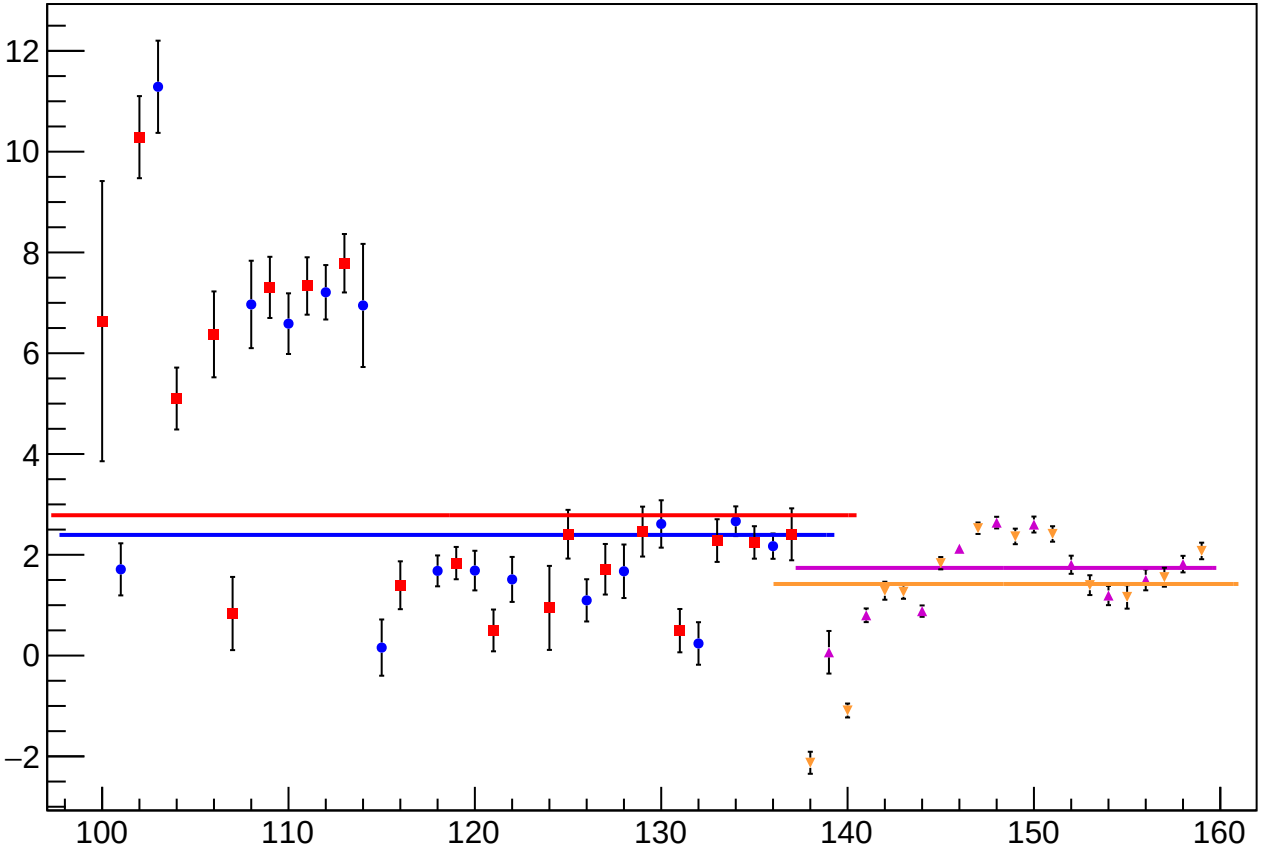
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.818+/-0.057 χ^2/NDF:1211.0/25

Out: 4.373+/-0.055 χ^2/NDF:2984.9/30

All: 4.104+/-0.040 χ^2/NDF: 4244.7/56

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: 1.421+/-0.045 χ^2/NDF:798.2/11

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.740+/-0.045 χ^2/NDF:237.6/9

Left: 1.578+/-0.032 χ^2/NDF: 1060.6/21

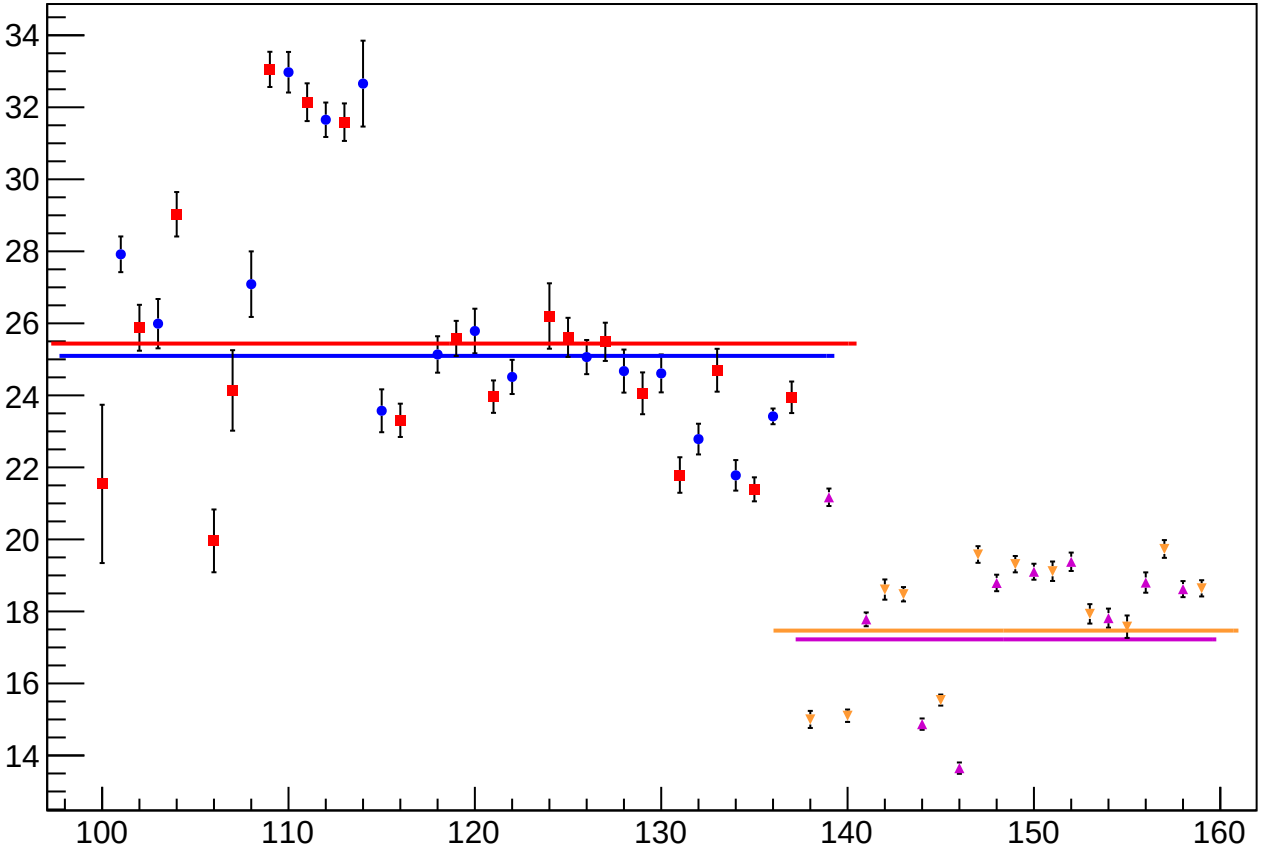
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.838+/-0.042 χ^2/NDF:602.5/25

Out: 1.599+/-0.042 χ^2/NDF:1329.6/30

All: 1.718+/-0.030 χ^2/NDF: 1948.3/56

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: 17.468+/-0.064 χ^2/NDF:798.6/11

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.224+/-0.066 χ^2/NDF:1280.1/9

Left: 17.350+/-0.046 χ^2/NDF: 2085.7/21

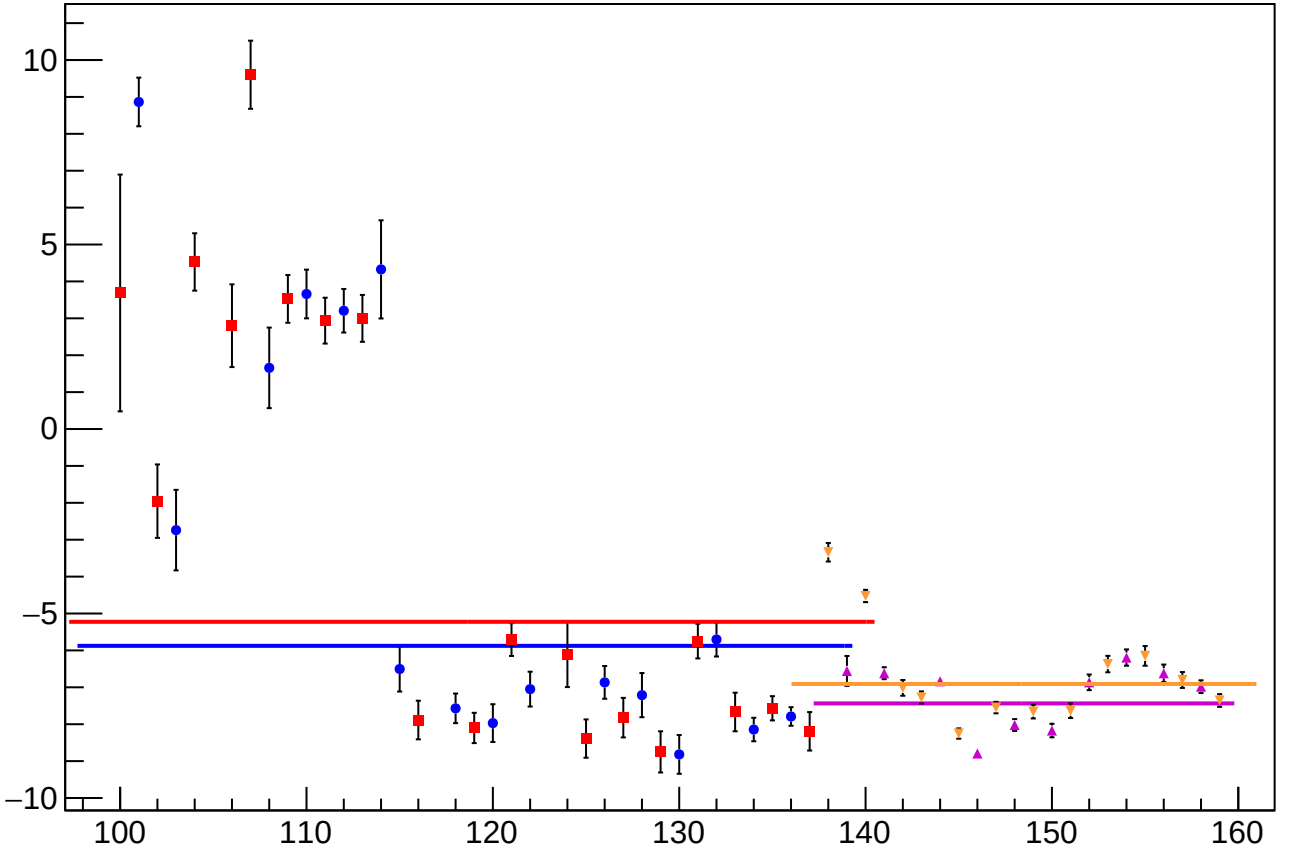
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.128+/-0.058 χ^2/NDF:5303.9/25

Out: 19.145+/-0.057 χ^2/NDF:4937.2/30

All: 19.137+/-0.041 χ^2/NDF: 10241.2/56

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: -6.909+/-0.054 χ^2/NDF:570.8/11

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.436+/-0.055 χ^2/NDF:266.2/9

Left: -7.168+/-0.038 χ^2/NDF: 884.2/21

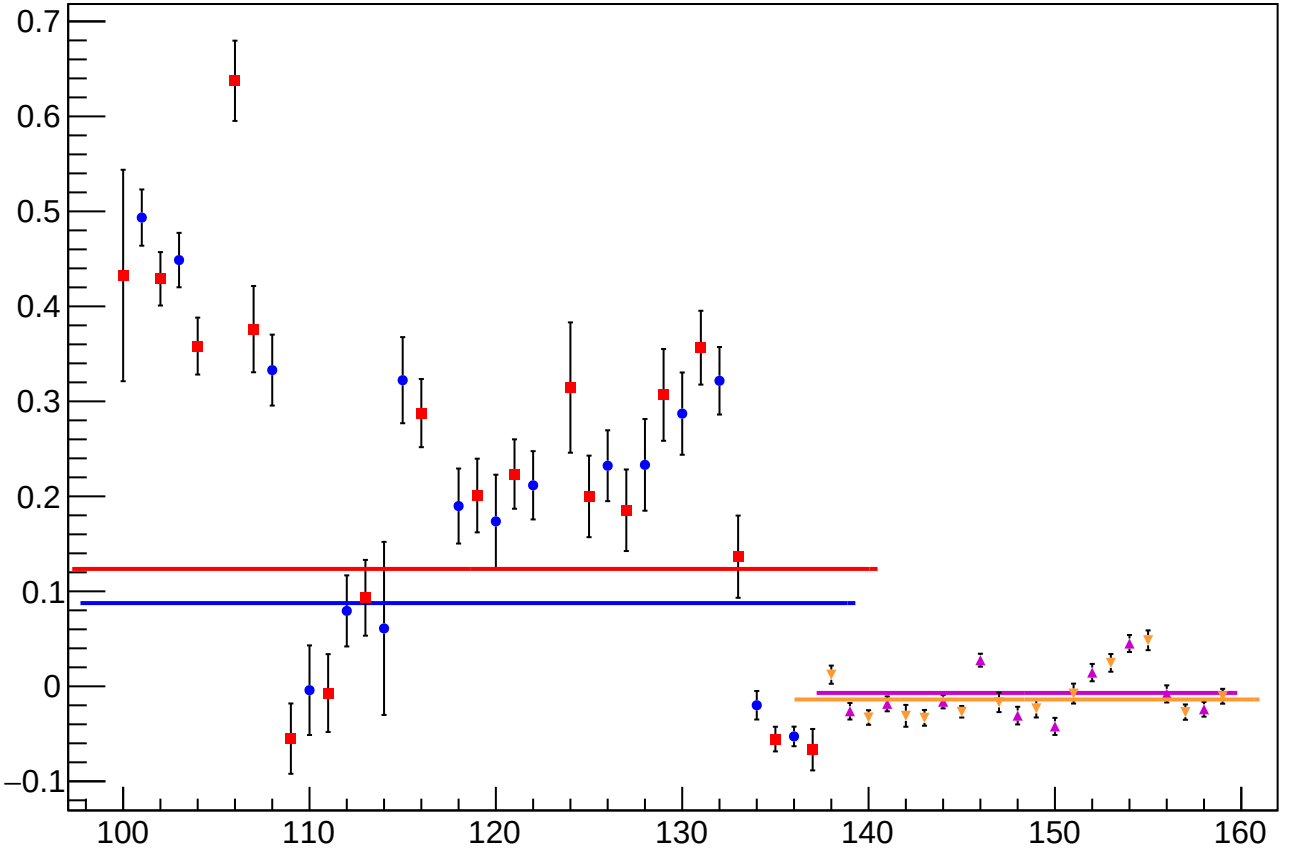
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.170+/-0.050 χ^2/NDF:1656.2/25

Out: -6.662+/-0.050 χ^2/NDF:2007.2/30

All: -6.915+/-0.035 χ^2/NDF: 3715.6/56

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: -0.014+/-0.003 χ^2/NDF:83.2/11

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.007+/-0.003 χ^2/NDF:100.5/9

Left: -0.011+/-0.002 χ^2/NDF: 187.4/21

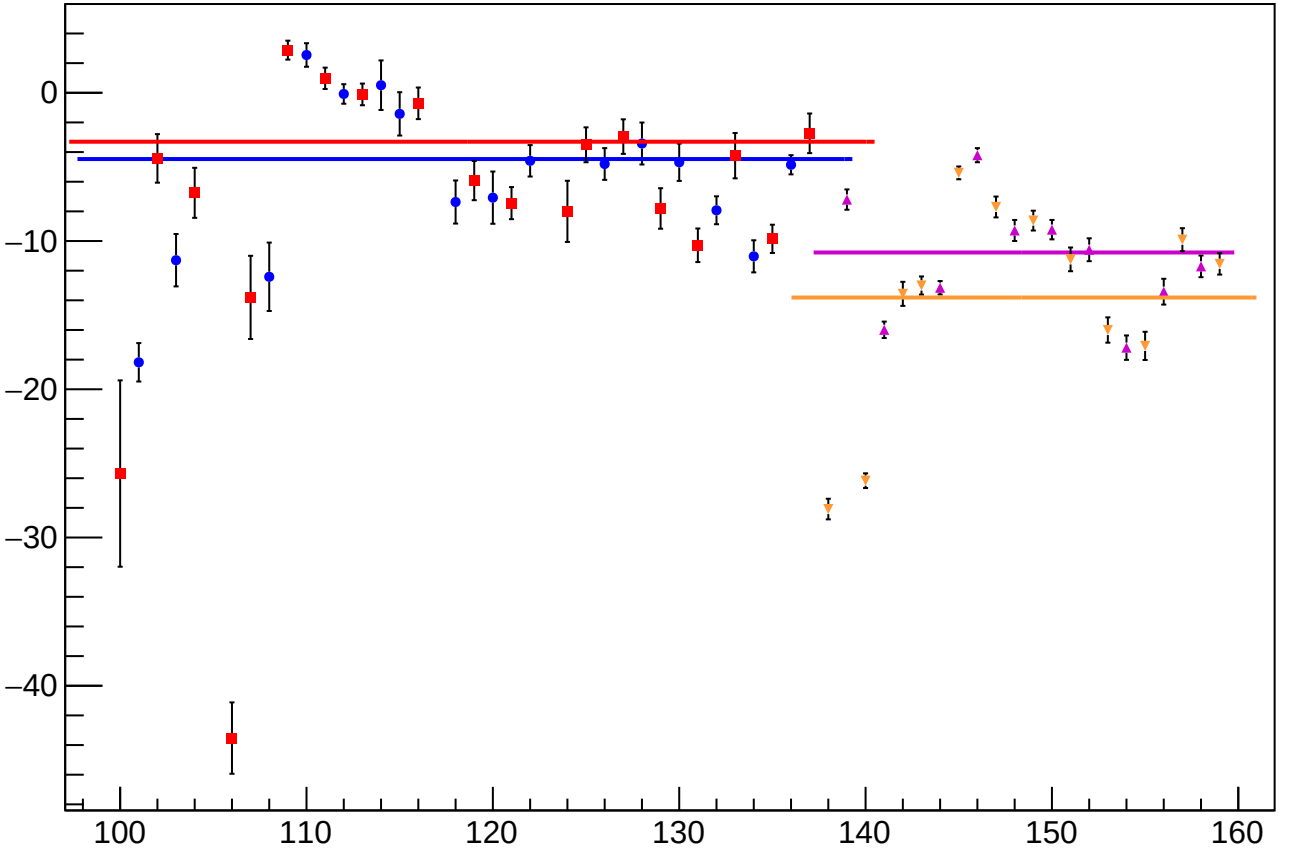
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.006+/-0.002 χ^2/NDF:1046.6/25

Out: 0.001+/-0.002 χ^2/NDF:1160.3/30

All: 0.003+/-0.002 χ^2/NDF: 2209.3/56

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -13.812+/-0.191 χ^2/NDF:1620.2/11

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.773+/-0.199 χ^2/NDF:415.4/9

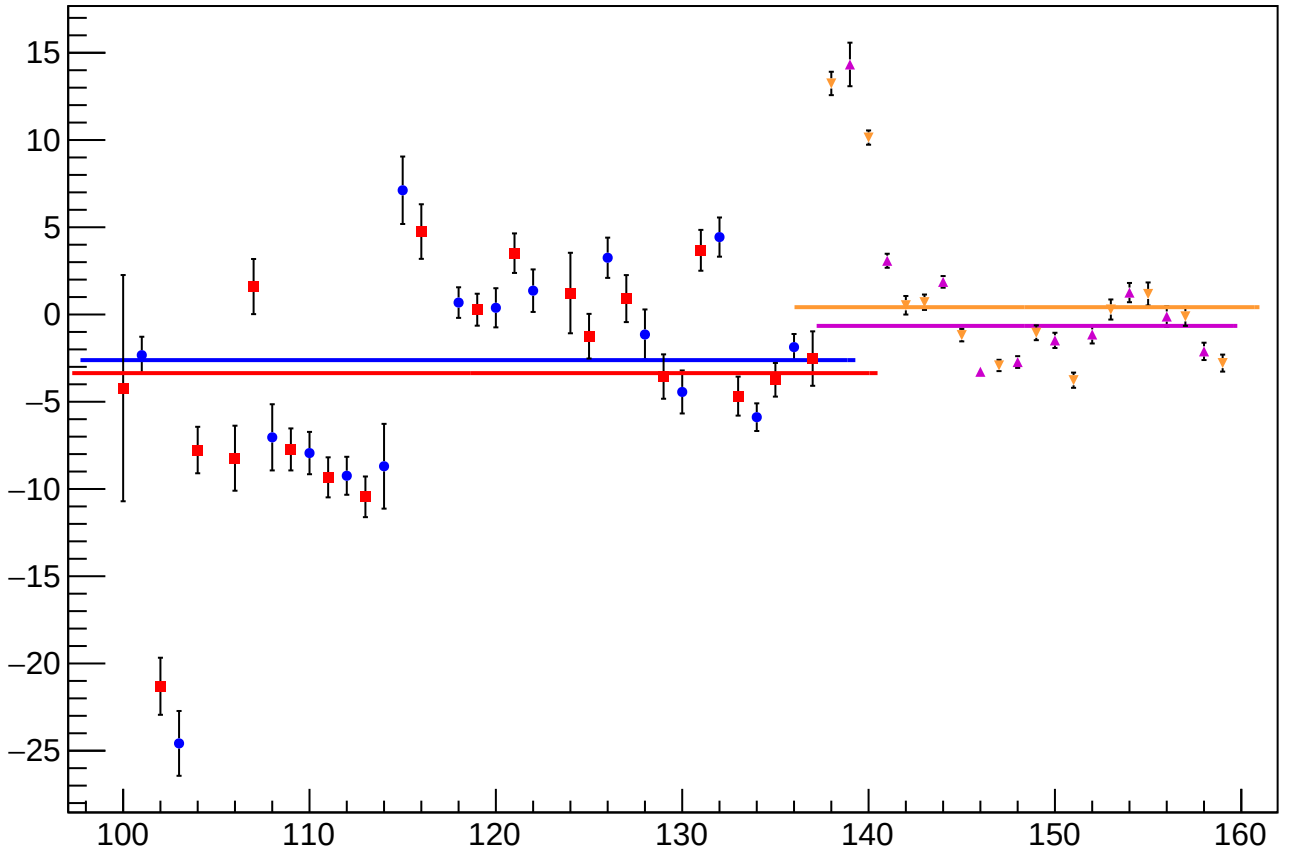
Left: -12.355+/-0.138 χ^2/NDF: 2157.5/21

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -8.544+/-0.160 χ^2/NDF:1103.5/25

Out: -10.154+/-0.154 χ^2/NDF:3263.3/30

All: -9.378+/-0.111 χ^2/NDF: 4419.5/56



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.420+/-0.131 χ^2/NDF:1207.3/11

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.653+/-0.133 χ^2/NDF:437.3/9

Left: -0.108+/-0.094 χ^2/NDF: 1677.5/21

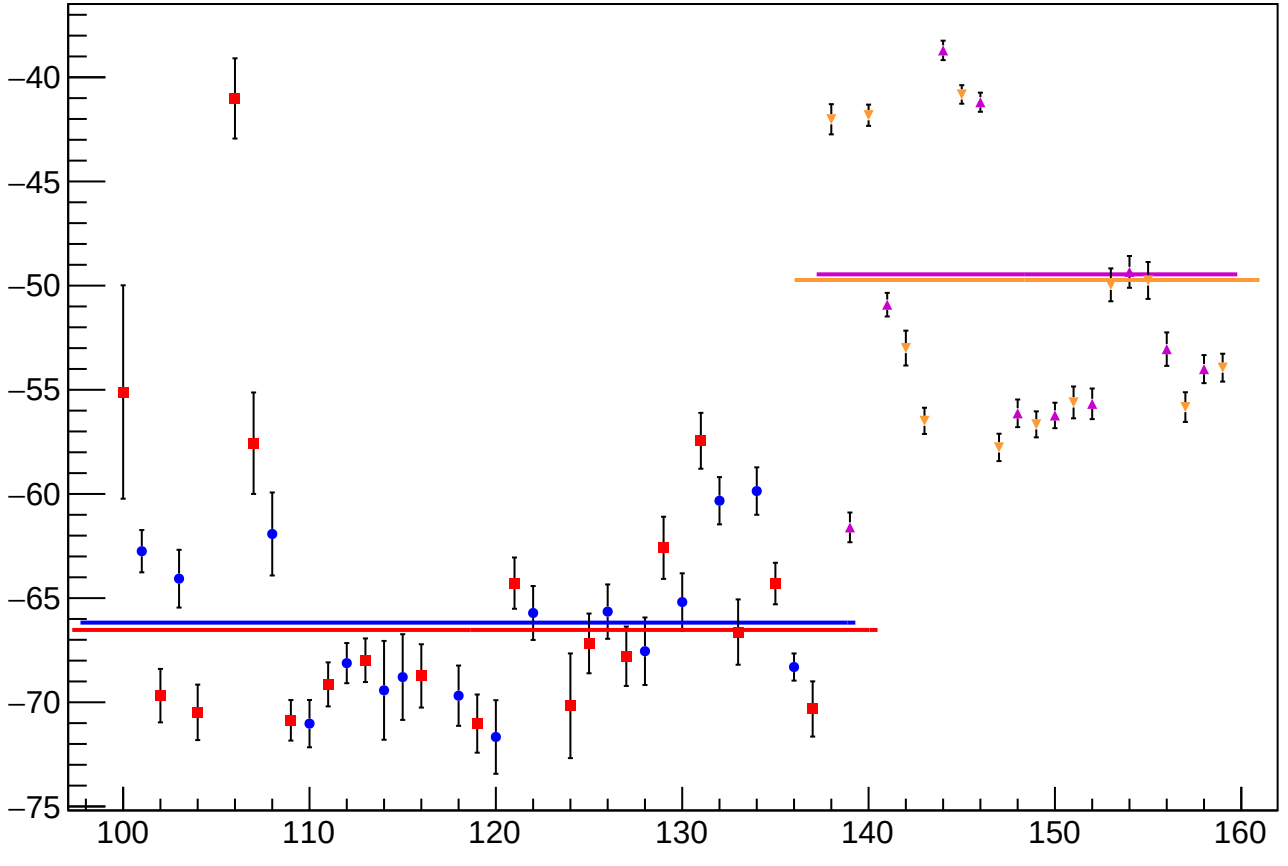
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.003+/-0.121 χ^2/NDF:828.0/25

Out: -0.192+/-0.120 χ^2/NDF:1701.1/30

All: -0.596+/-0.085 χ^2/NDF: 2551.7/56

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: -49.729+/-0.188 χ^2/NDF:1330.0/11

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -49.458+/-0.194 χ^2/NDF:1512.3/9

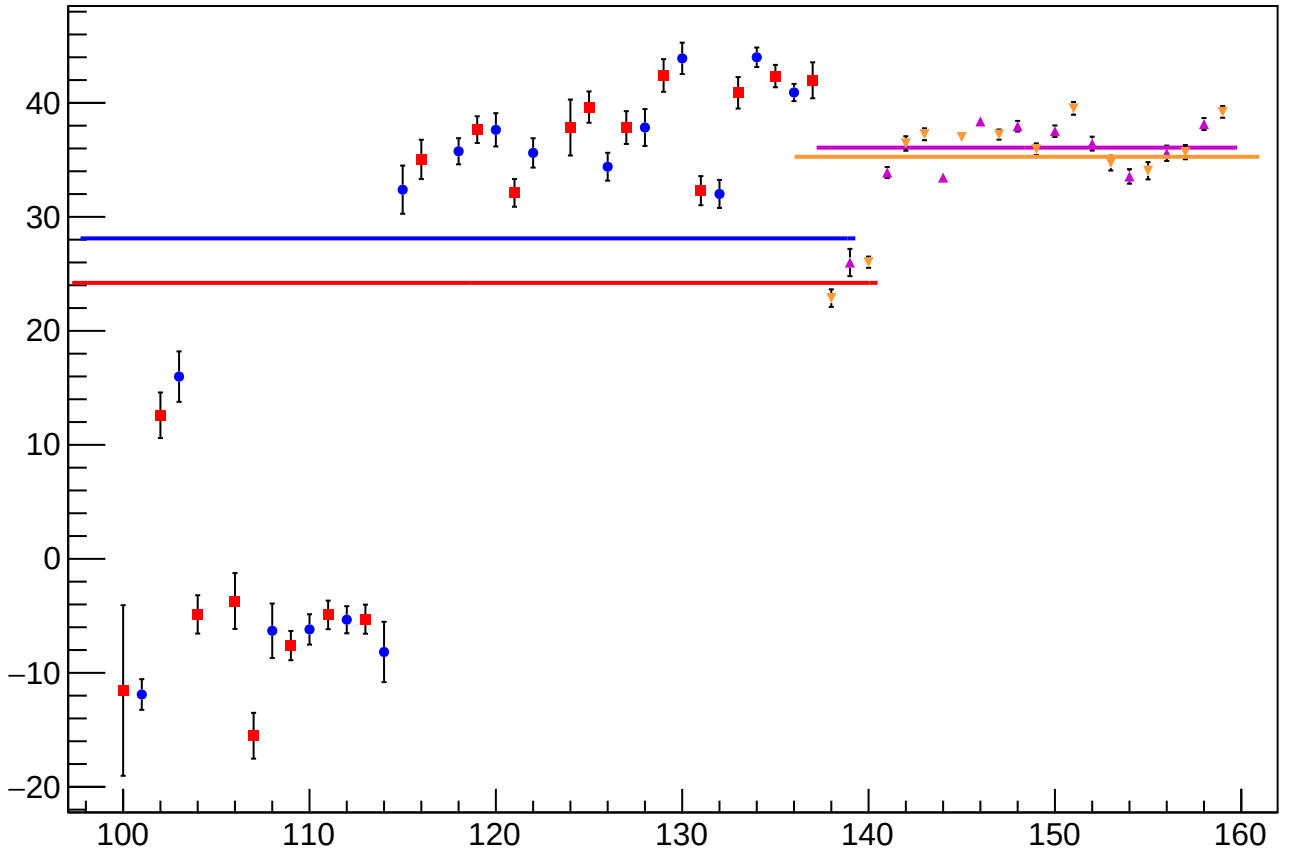
Left: -49.598+/-0.135 χ^2/NDF: 2843.4/21

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.273+/-0.163 χ^2/NDF:3790.1/25

Out: -54.178+/-0.161 χ^2/NDF:3776.2/30

All: -54.225+/-0.115 χ^2/NDF: 7566.5/56



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 35.273+/-0.157 χ^2/NDF:787.4/11

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.075+/-0.160 χ^2/NDF:235.0/9

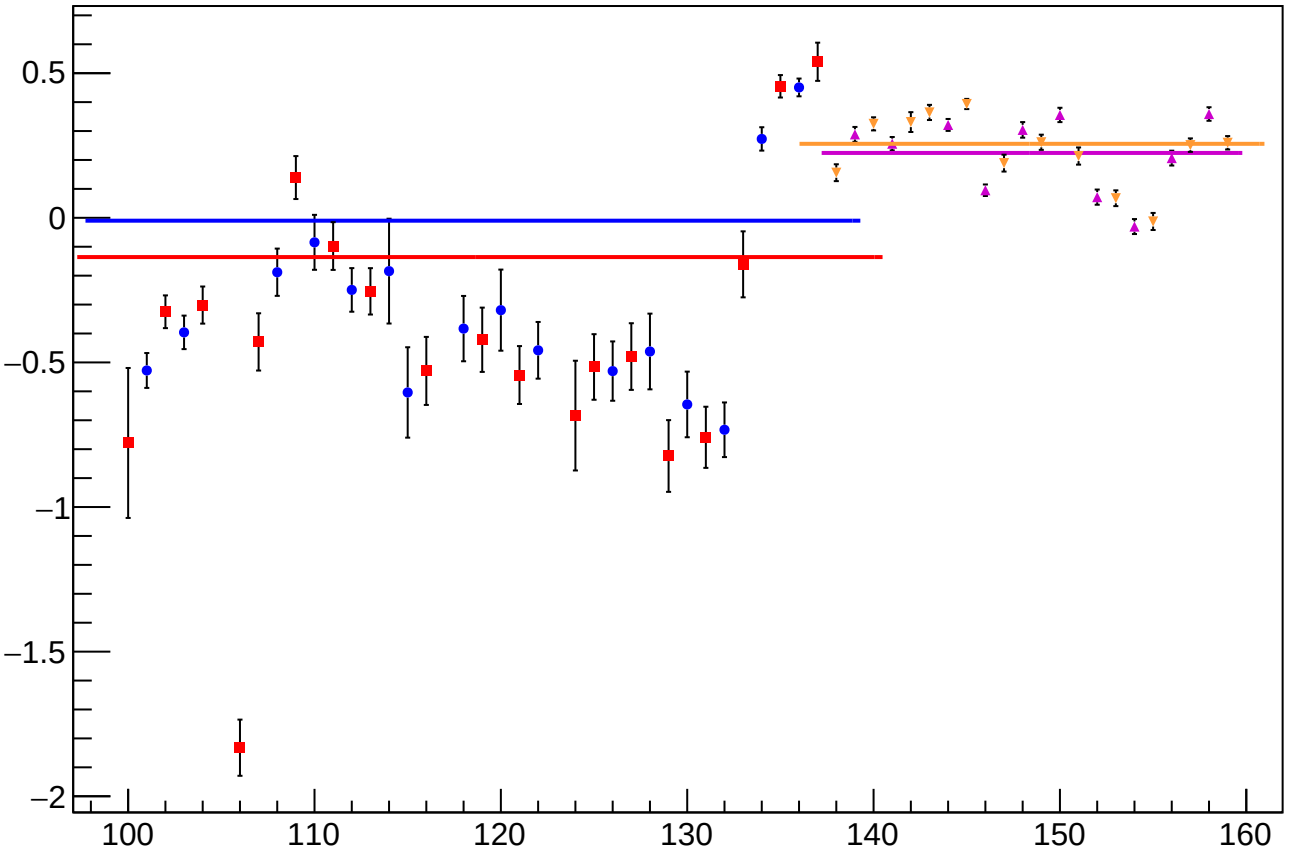
Left: 35.666+/-0.112 χ^2/NDF: 1035.1/21

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

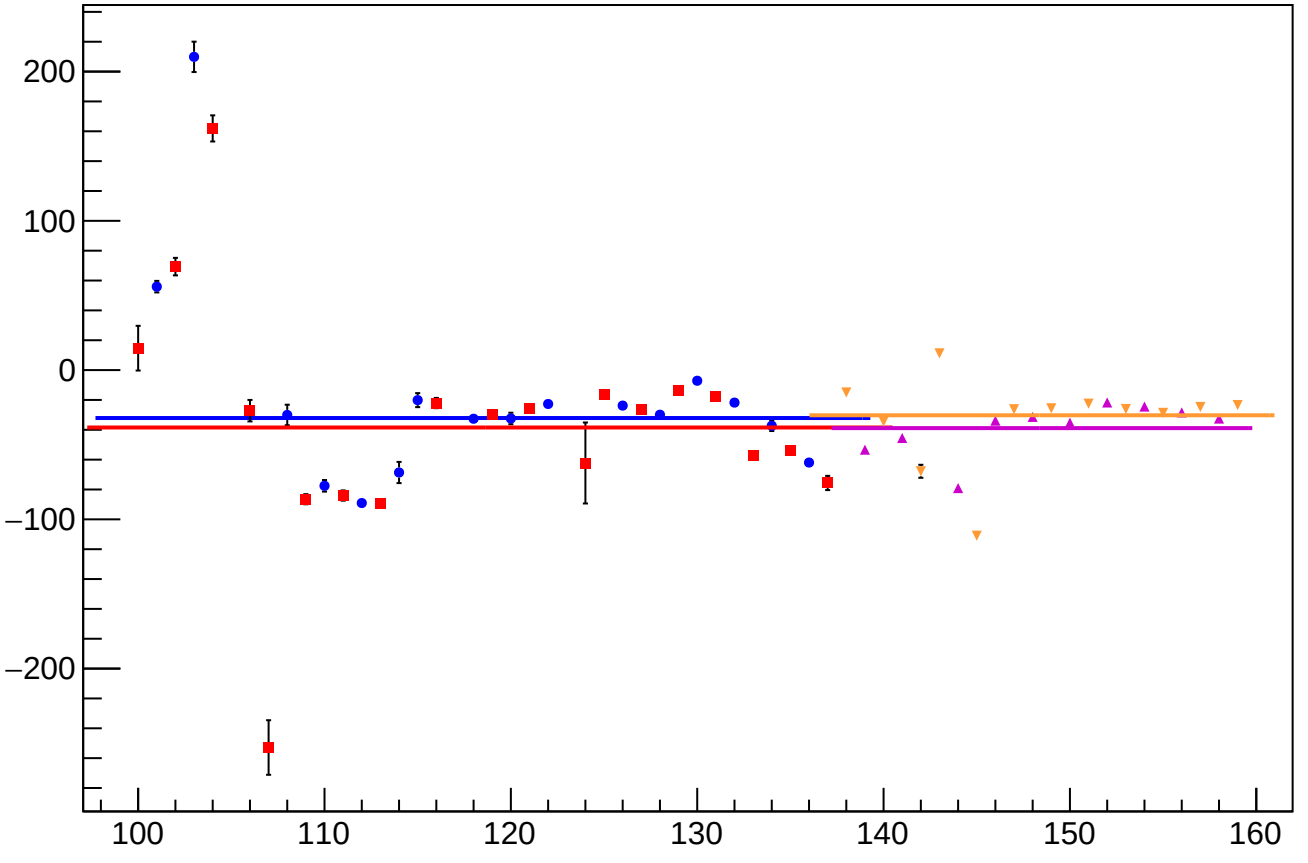
In: 34.481+/-0.143 χ^2/NDF:4458.1/25

Out: 33.283+/-0.142 χ^2/NDF:5519.9/30

All: 33.878+/-0.101 χ^2/NDF: 10013.1/56


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.256+/-0.007 χ²/NDF:241.6/11
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.224+/-0.008 χ²/NDF:272.7/9
Left: 0.241+/-0.005 χ²/NDF: 523.3/21
Right: -0.068+/-0.013 χ²/NDF: 1430.0/34
In: 0.187+/-0.007 χ²/NDF:1013.6/25
Out: 0.204+/-0.007 χ²/NDF:1435.7/30
All: 0.196+/-0.005 χ²/NDF: 2452.4/56

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -30.274+/-0.855 χ^2/NDF:928.7/11

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -38.878+/-0.894 χ^2/NDF:302.1/9

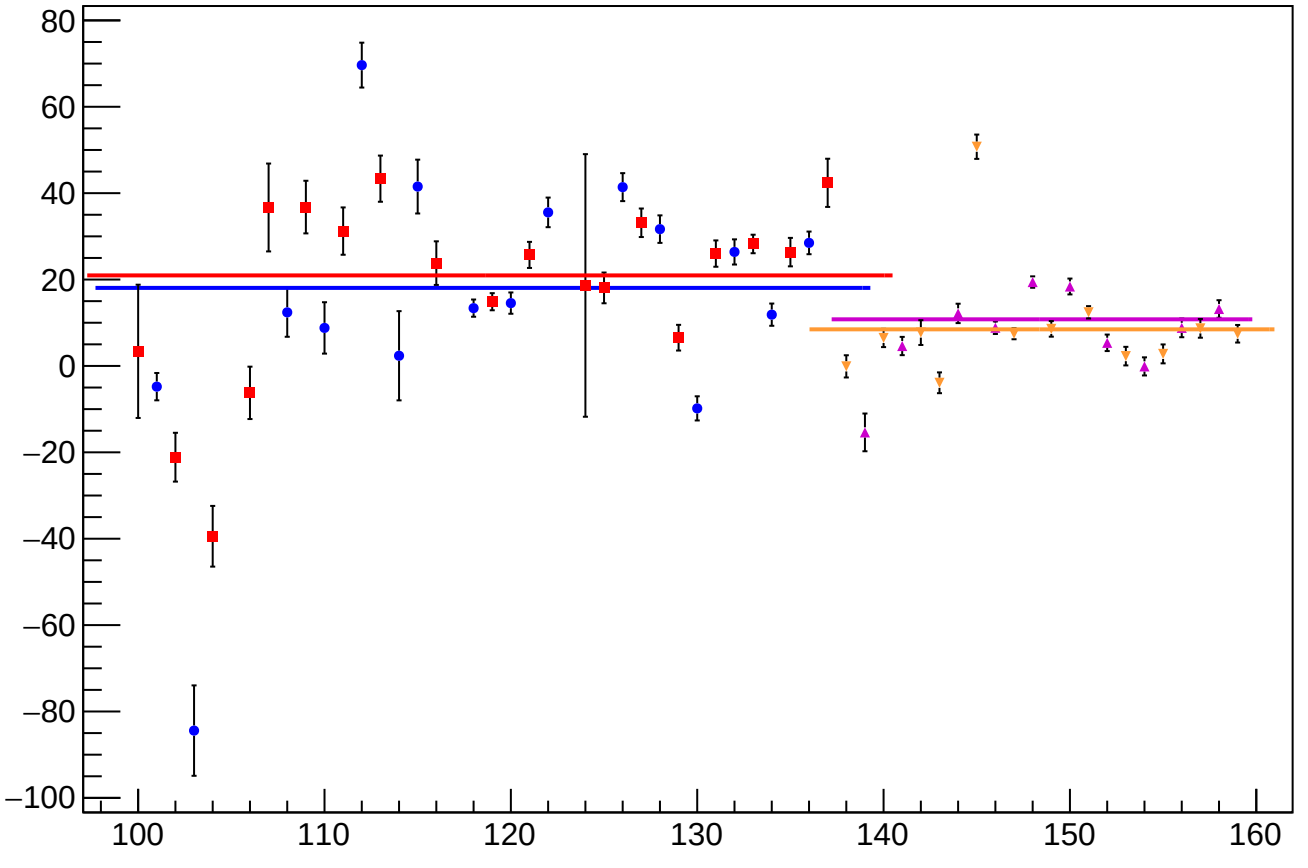
Left: -34.381+/-0.618 χ^2/NDF: 1279.1/21

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -35.296+/-0.613 χ^2/NDF:2209.8/25

Out: -34.322+/-0.608 χ^2/NDF:2946.6/30

All: -34.805+/-0.432 χ^2/NDF: 5157.6/56



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.472+/-0.571 χ^2/NDF:287.4/11

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 10.793+/-0.600 χ^2/NDF:143.9/9

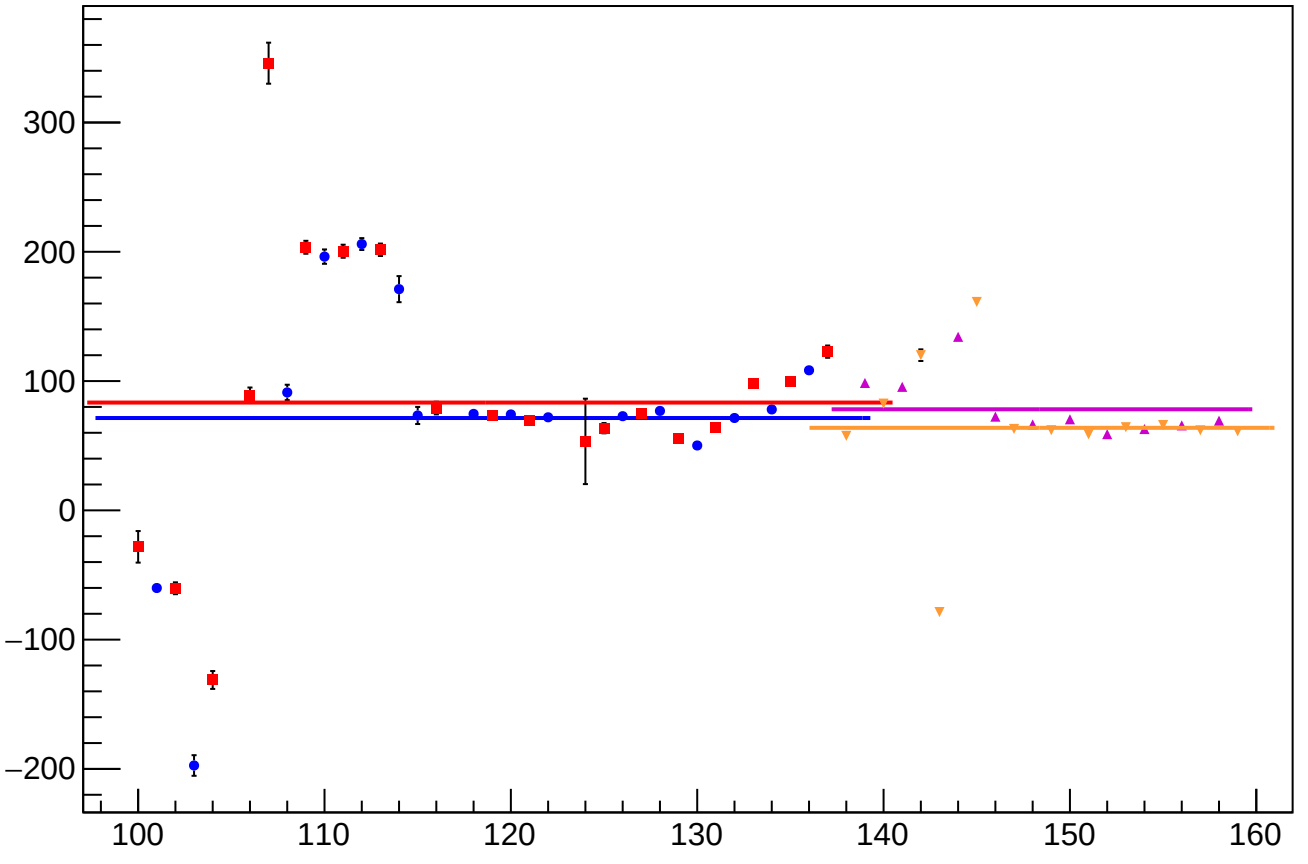
Left: 9.574+/-0.414 χ^2/NDF: 439.1/21

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 13.322+/-0.485 χ^2/NDF:694.4/25

Out: 12.240+/-0.477 χ^2/NDF:694.5/30

All: 12.772+/-0.340 χ^2/NDF: 1391.4/56



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 63.835+/-0.829 χ^2/NDF:2878.1/11

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 78.177+/-0.863 χ^2/NDF:562.1/9

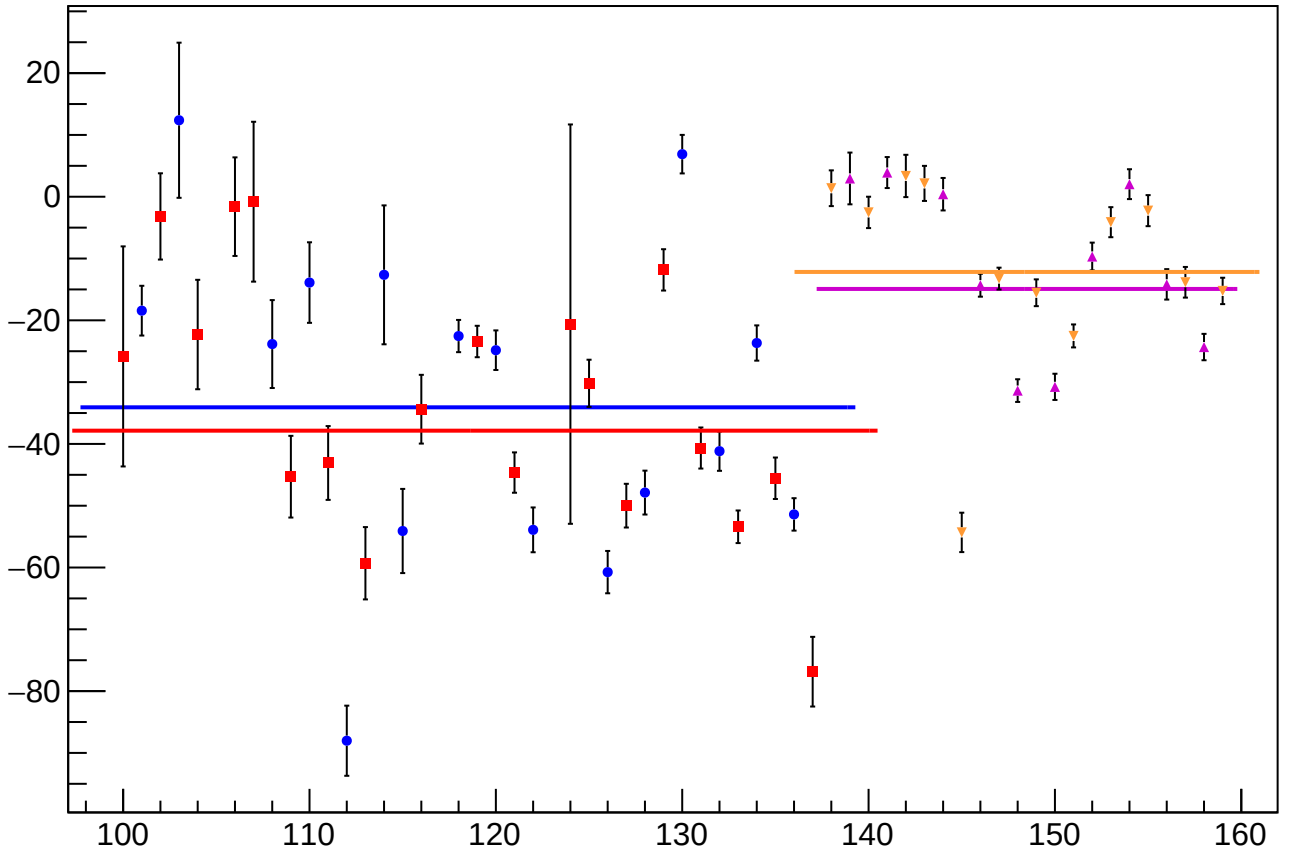
Left: 70.713+/-0.598 χ^2/NDF: 3583.8/21

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 75.054+/-0.633 χ^2/NDF:5410.0/25

Out: 71.937+/-0.634 χ^2/NDF:7406.0/30

All: 73.498+/-0.448 χ^2/NDF: 12828.1/56



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -12.170+/-0.688 χ^2/NDF:320.2/11

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -14.921+/-0.721 χ^2/NDF:319.1/9

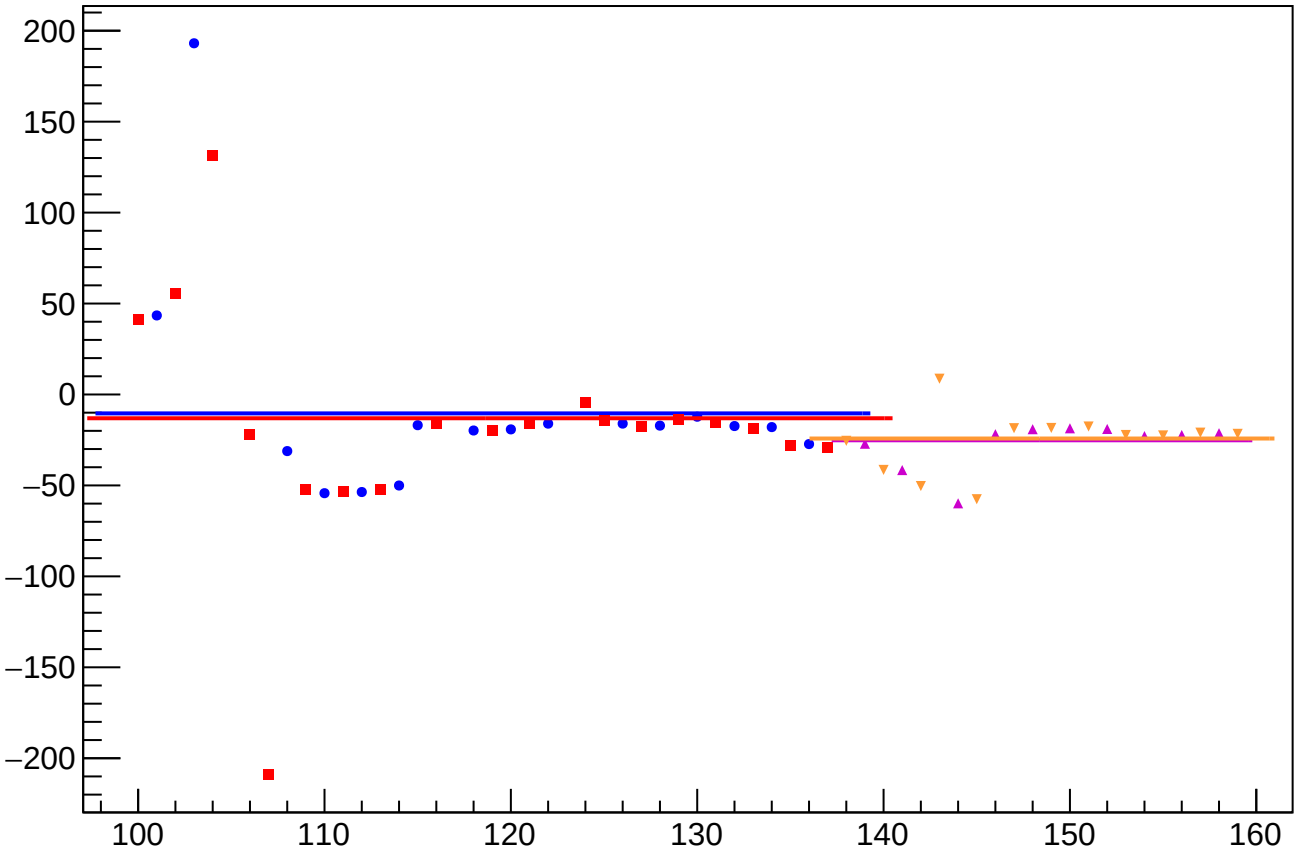
Left: -13.481+/-0.498 χ^2/NDF: 646.9/21

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -21.996+/-0.573 χ^2/NDF:1090.9/25

Out: -20.487+/-0.566 χ^2/NDF:1046.5/30

All: -21.232+/-0.402 χ^2/NDF: 2140.9/56



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -24.213+/-0.032 χ^2/NDF:176787.8/11

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -25.179+/-0.032 χ^2/NDF:95752.7/9

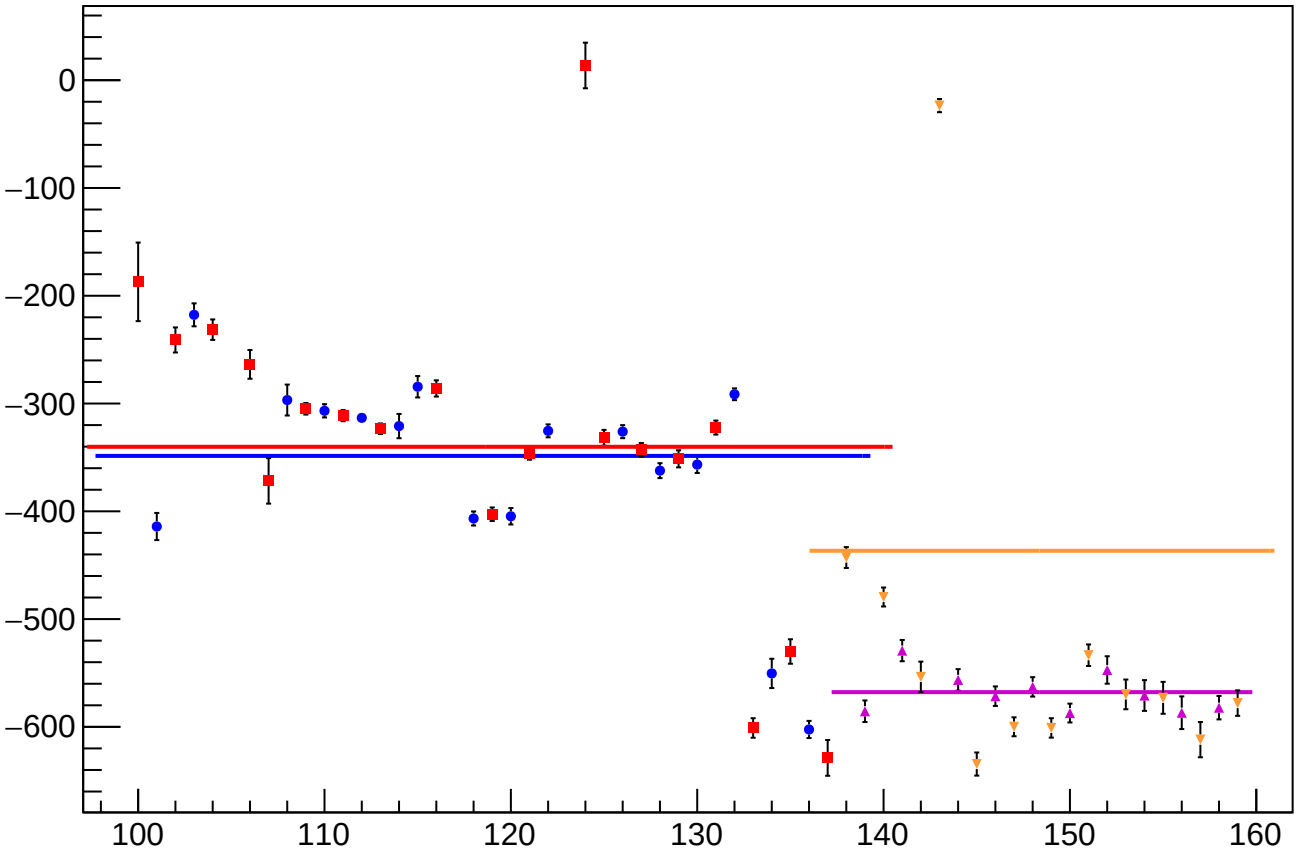
Left: -24.684+/-0.023 χ^2/NDF: 272993.8/21

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.543+/-0.028 χ^2/NDF:669097.0/25

Out: -21.944+/-0.028 χ^2/NDF:651597.3/30

All: -21.743+/-0.020 χ^2/NDF: 1320795.1/56



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -436.604+/-2.887 χ^2/NDF:6193.8/11

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -567.776+/-3.301 χ^2/NDF:31.1/9

Left: -493.470+/-2.173 χ^2/NDF: 7119.6/21

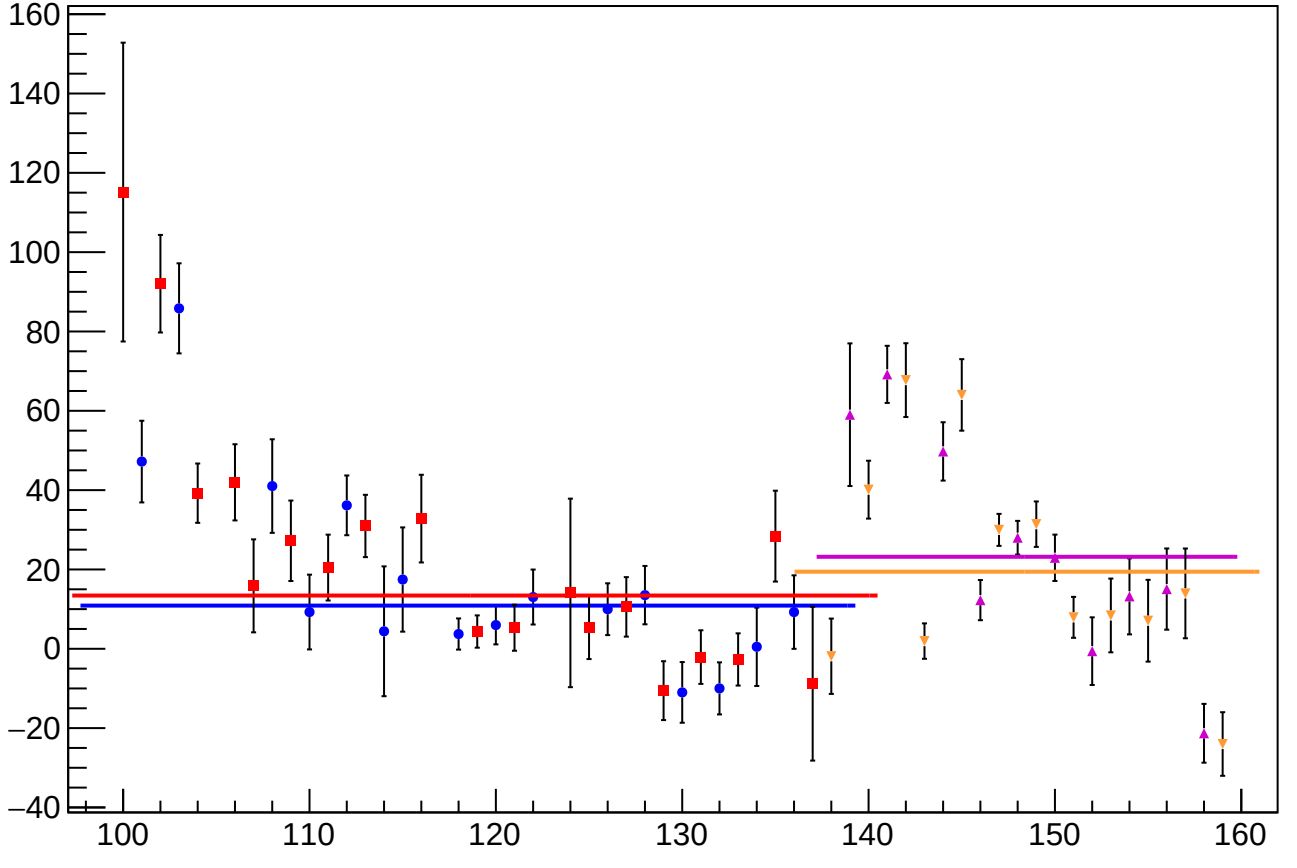
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -399.894+/-1.597 χ^2/NDF:5267.3/25

Out: -366.262+/-1.502 χ^2/NDF:9204.7/30

All: -382.054+/-1.094 χ^2/NDF: 14707.3/56

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 19.435+/-1.898 χ^2/NDF:128.5/11

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 23.194+/-2.147 χ^2/NDF:109.3/9

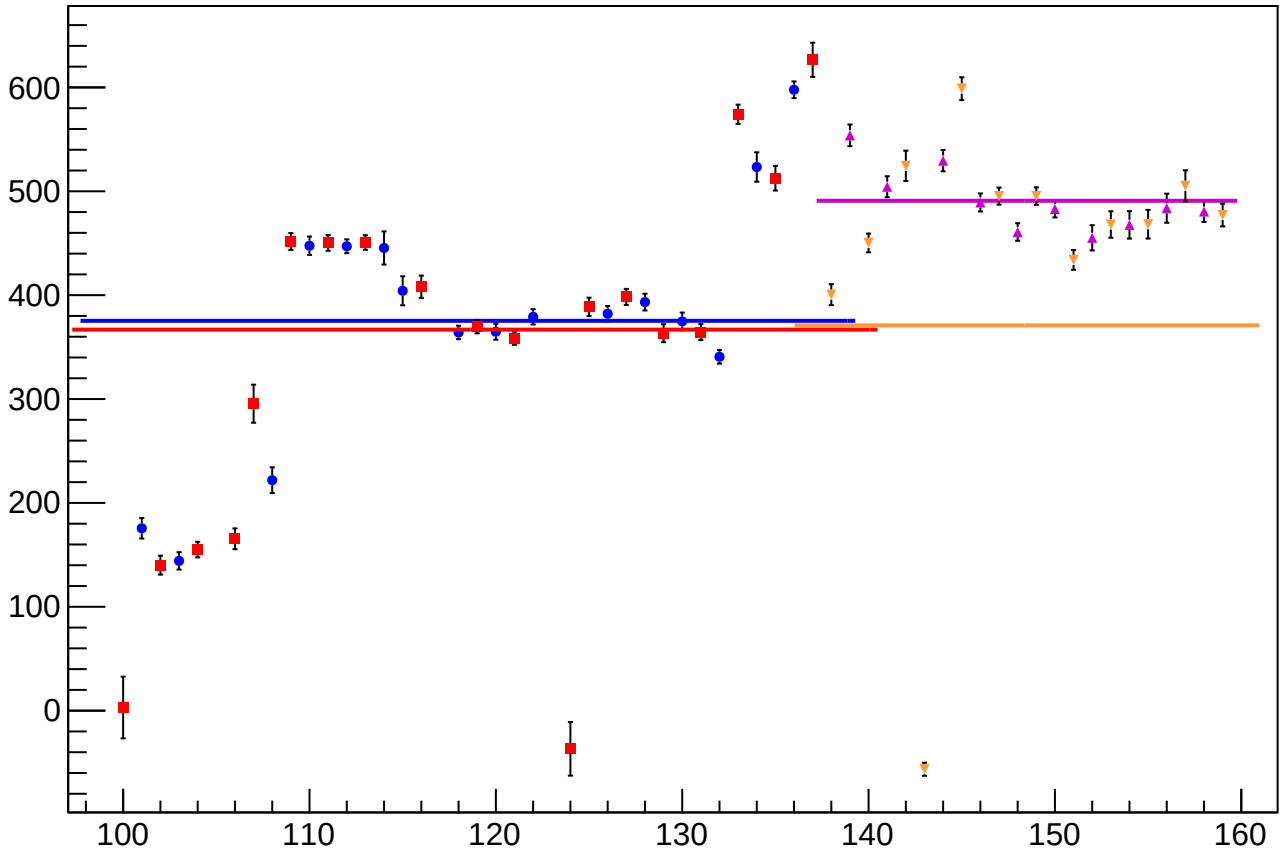
Left: 21.084+/-1.422 χ^2/NDF: 239.4/21

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 16.108+/-1.398 χ^2/NDF:226.4/25

Out: 16.362+/-1.326 χ^2/NDF:246.0/30

All: 16.242+/-0.962 χ^2/NDF: 472.4/56



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 370.934+/-2.834 χ^2/NDF:6010.1/11

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 490.882+/-3.188 χ^2/NDF:79.1/9

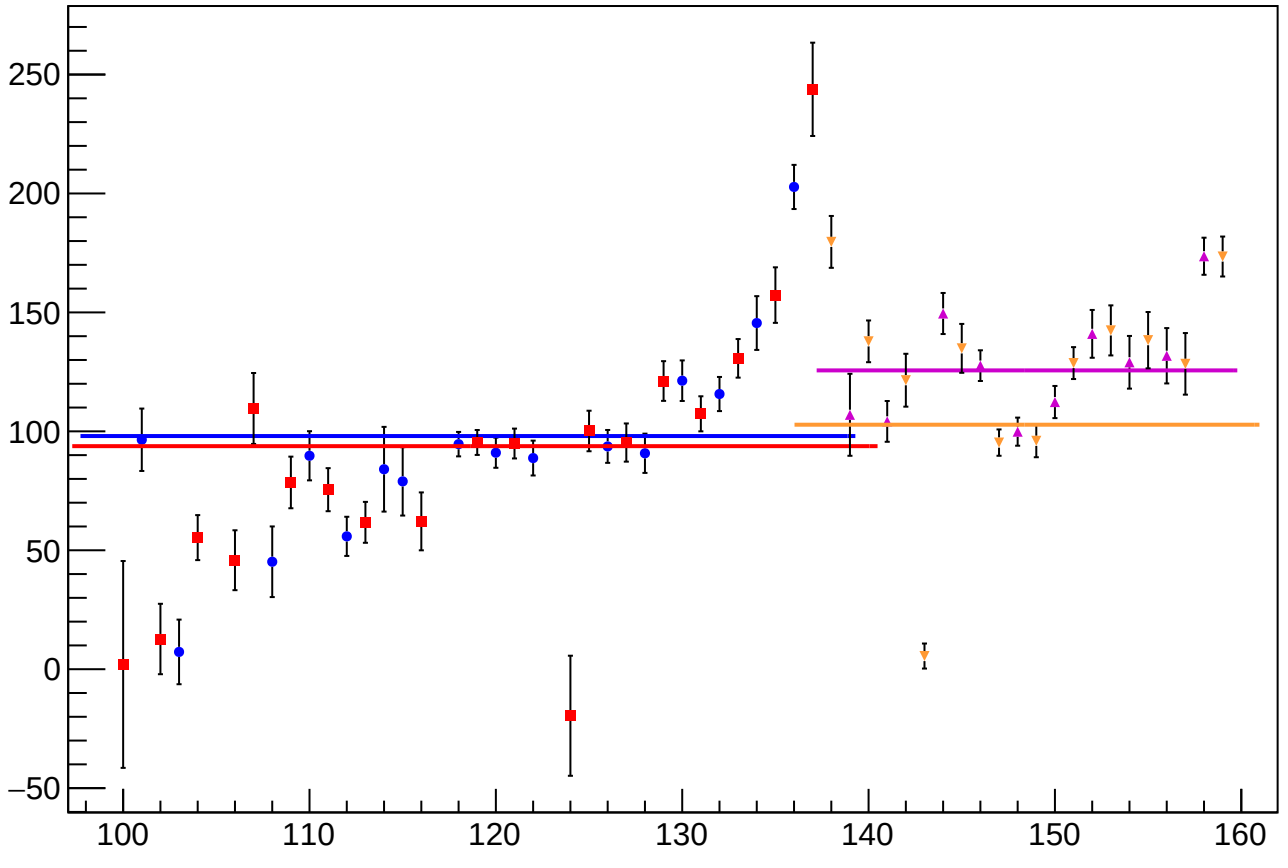
Left: 423.862+/-2.118 χ^2/NDF: 6879.9/21

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 410.347+/-1.755 χ^2/NDF:3444.0/25

Out: 368.239+/-1.661 χ^2/NDF:9552.6/30

All: 388.125+/-1.206 χ^2/NDF: 13300.2/56



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 102.788+/-2.311 χ^2/NDF:535.4/11

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 125.622+/-2.610 χ^2/NDF:78.7/9

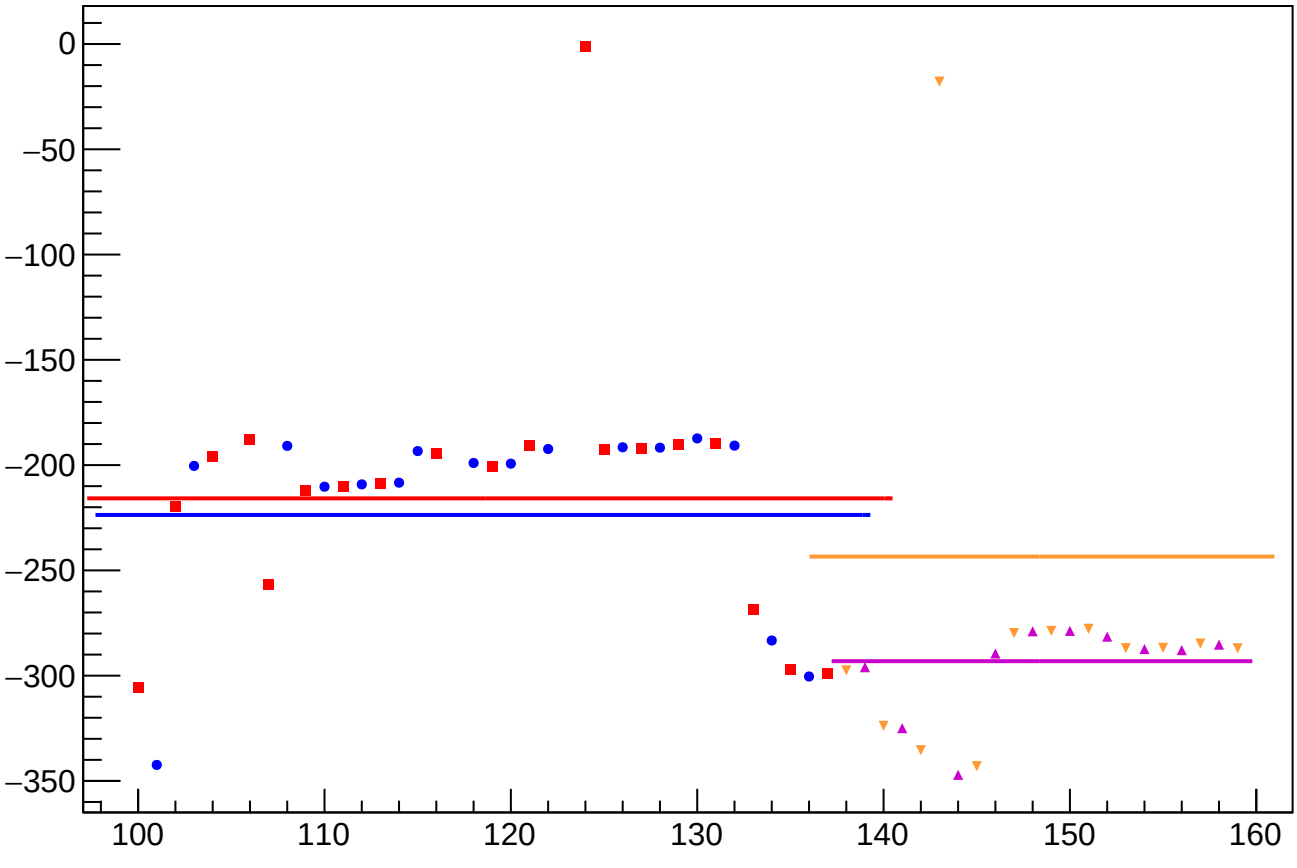
Left: 112.823+/-1.730 χ^2/NDF: 657.0/21

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 109.144+/-1.657 χ^2/NDF:394.9/25

Out: 97.931+/-1.570 χ^2/NDF:780.7/30

All: 103.234+/-1.139 χ^2/NDF: 1199.8/56



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -243.449+/-0.113 χ^2/NDF:945483.9/11

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -293.127+/-0.123 χ^2/NDF:24919.4/9

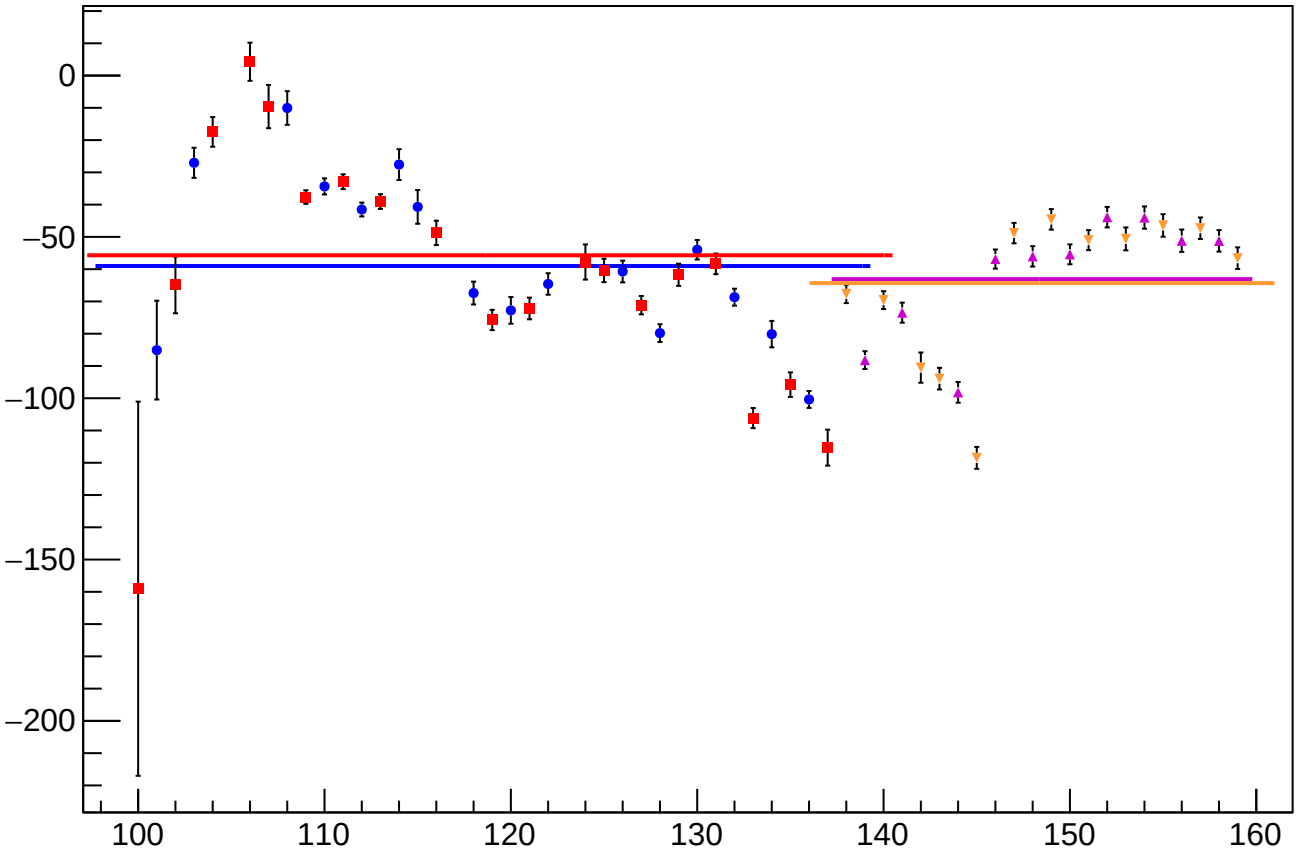
Left: -266.164+/-0.083 χ^2/NDF: 1058888.8/21

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -262.437+/-0.092 χ^2/NDF:287274.6/25

Out: -231.996+/-0.086 χ^2/NDF:1051836.1/30

All: -246.281+/-0.063 χ^2/NDF: 1397319.8/56



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -64.318+/-0.945 χ^2/NDF:523.4/11

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -63.084+/-0.997 χ^2/NDF:320.6/9

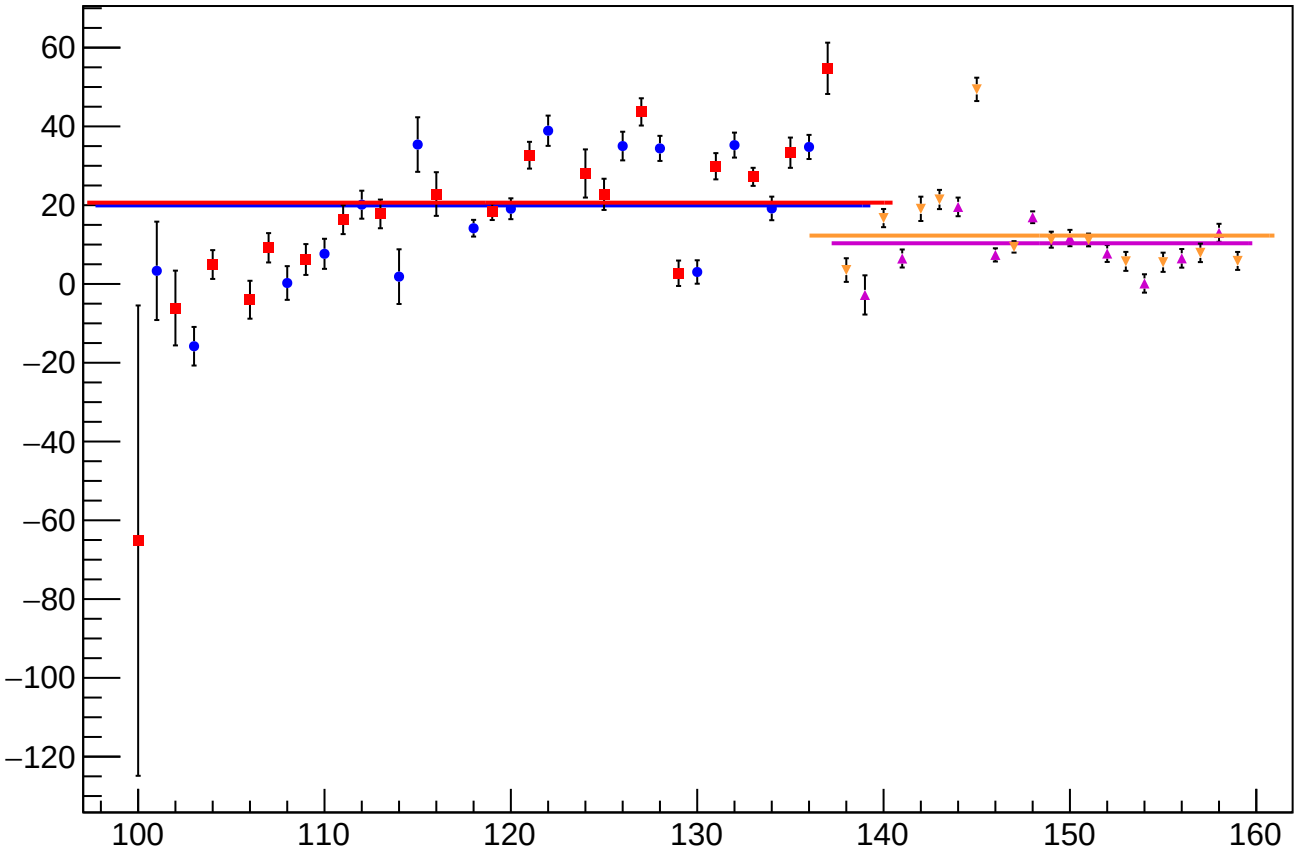
Left: -63.734+/-0.686 χ^2/NDF: 844.8/21

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -60.689+/-0.637 χ^2/NDF:1057.7/25

Out: -59.245+/-0.606 χ^2/NDF:1613.5/30

All: -59.930+/-0.439 χ^2/NDF: 2673.9/56



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 12.283+/-0.633 χ^2/NDF:219.1/11

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 10.330+/-0.671 χ^2/NDF:72.7/9

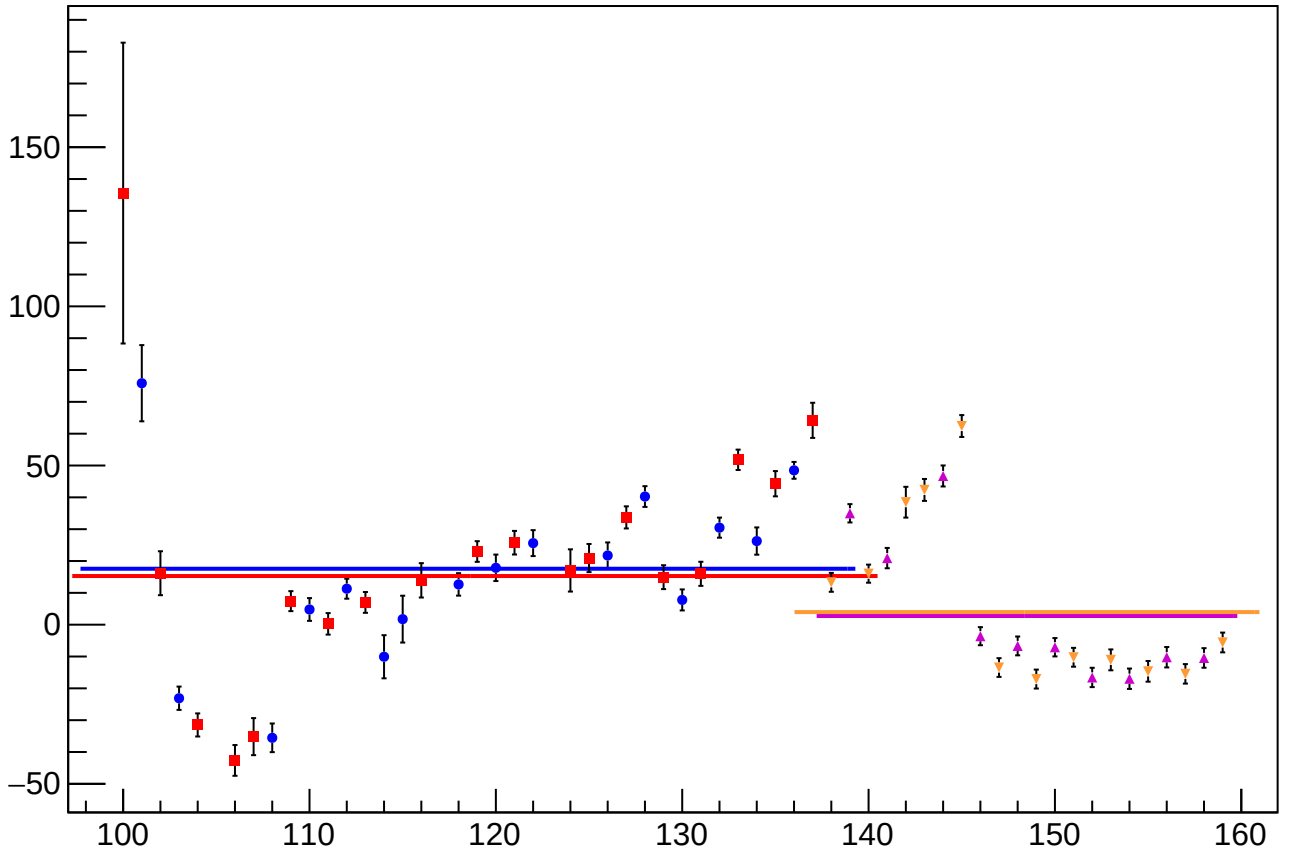
Left: 11.363+/-0.461 χ^2/NDF: 296.2/21

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.932+/-0.531 χ^2/NDF:396.7/25

Out: 15.295+/-0.506 χ^2/NDF:506.6/30

All: 14.646+/-0.366 χ^2/NDF: 906.8/56



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 3.958+/-0.917 χ^2/NDF:703.9/11

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 2.723+/-0.963 χ^2/NDF:475.7/9

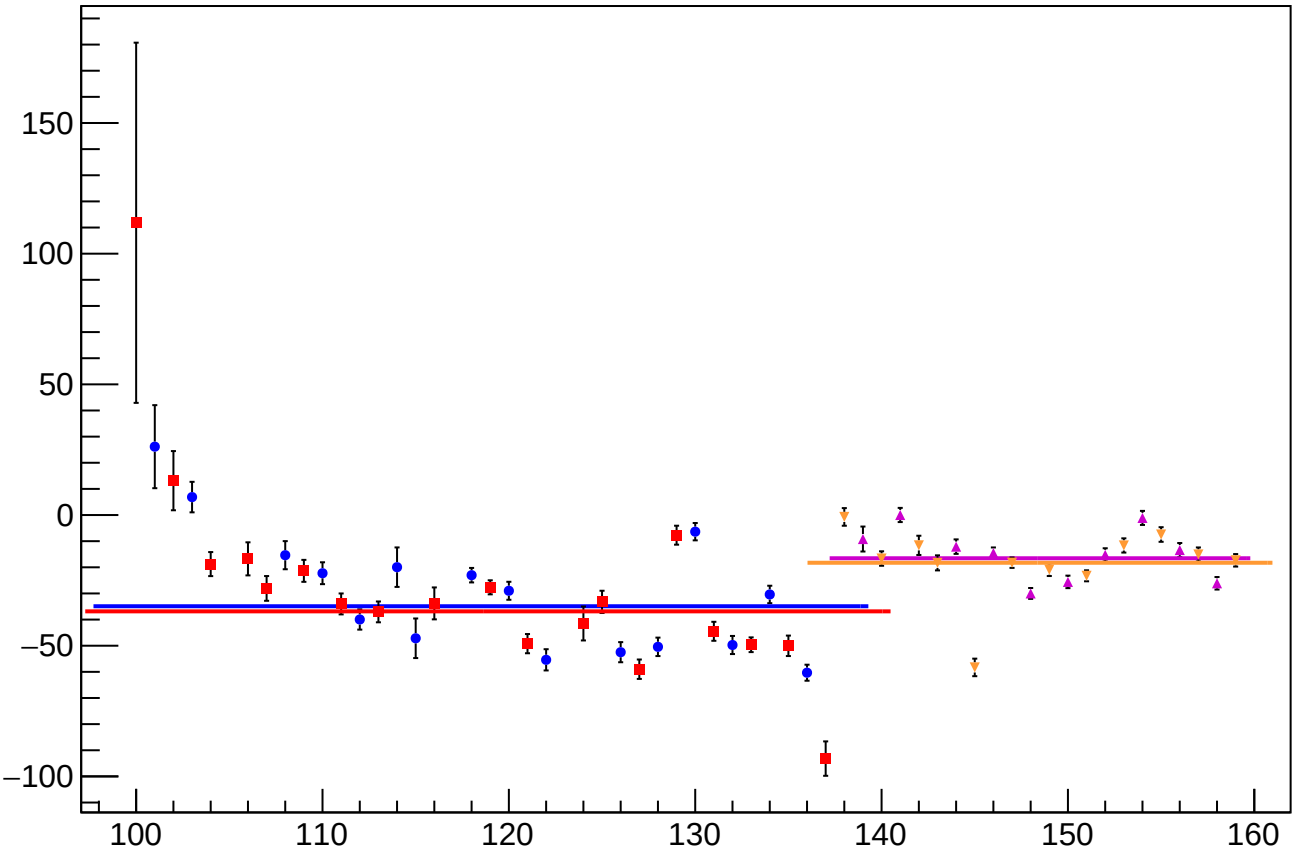
Left: 3.371+/-0.664 χ^2/NDF: 1180.4/21

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 10.196+/-0.679 χ^2/NDF:1141.6/25

Out: 9.517+/-0.654 χ^2/NDF:1508.8/30

All: 9.844+/-0.471 χ^2/NDF: 2650.8/56



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.257+/-0.762 χ^2/NDF:202.3/11

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.539+/-0.805 χ^2/NDF:149.9/9

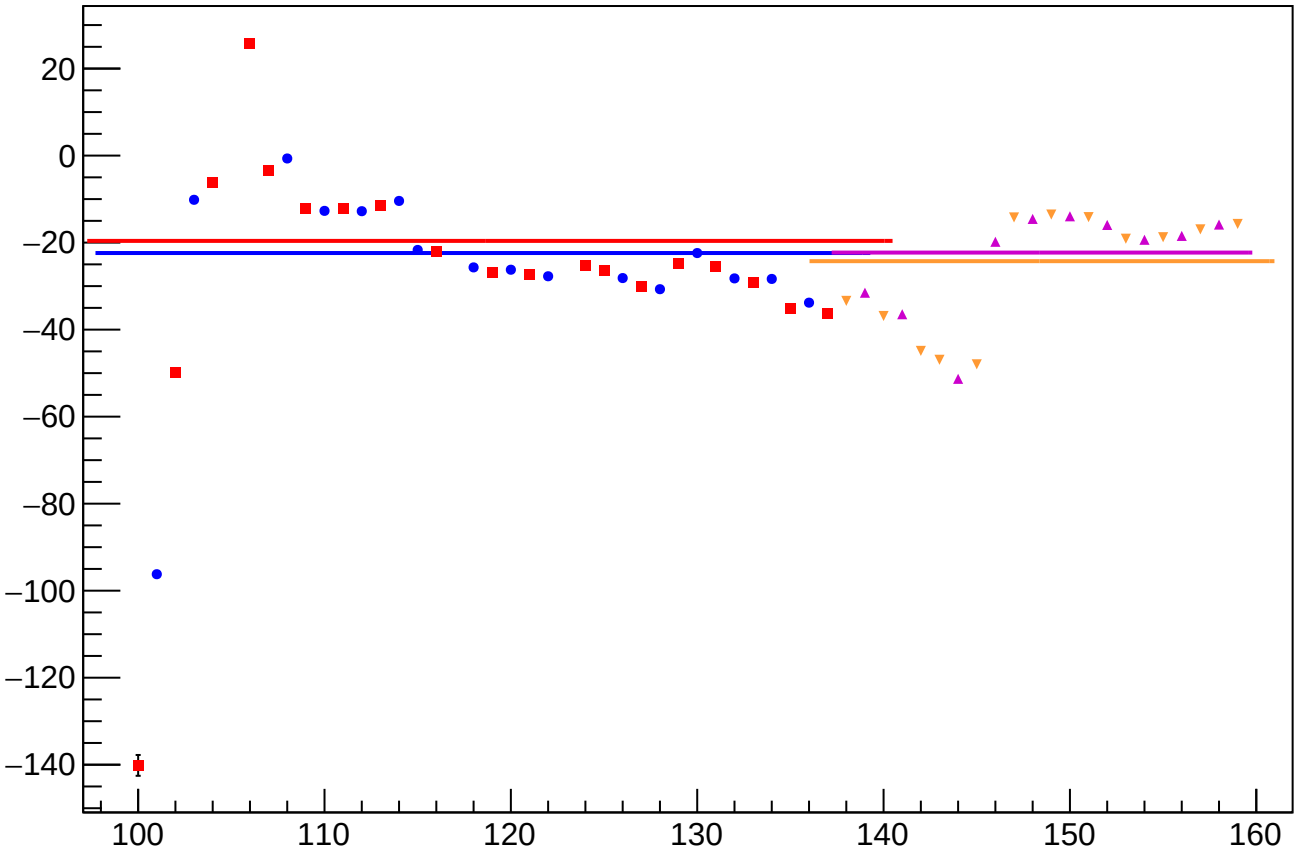
Left: -17.445+/-0.553 χ^2/NDF: 354.7/21

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -23.841+/-0.625 χ^2/NDF:703.6/25

Out: -25.355+/-0.599 χ^2/NDF:731.2/30

All: -24.630+/-0.432 χ^2/NDF: 1437.9/56



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -24.267+/-0.035 χ^2/NDF:120148.4/11

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -22.291+/-0.036 χ^2/NDF:77425.0/9

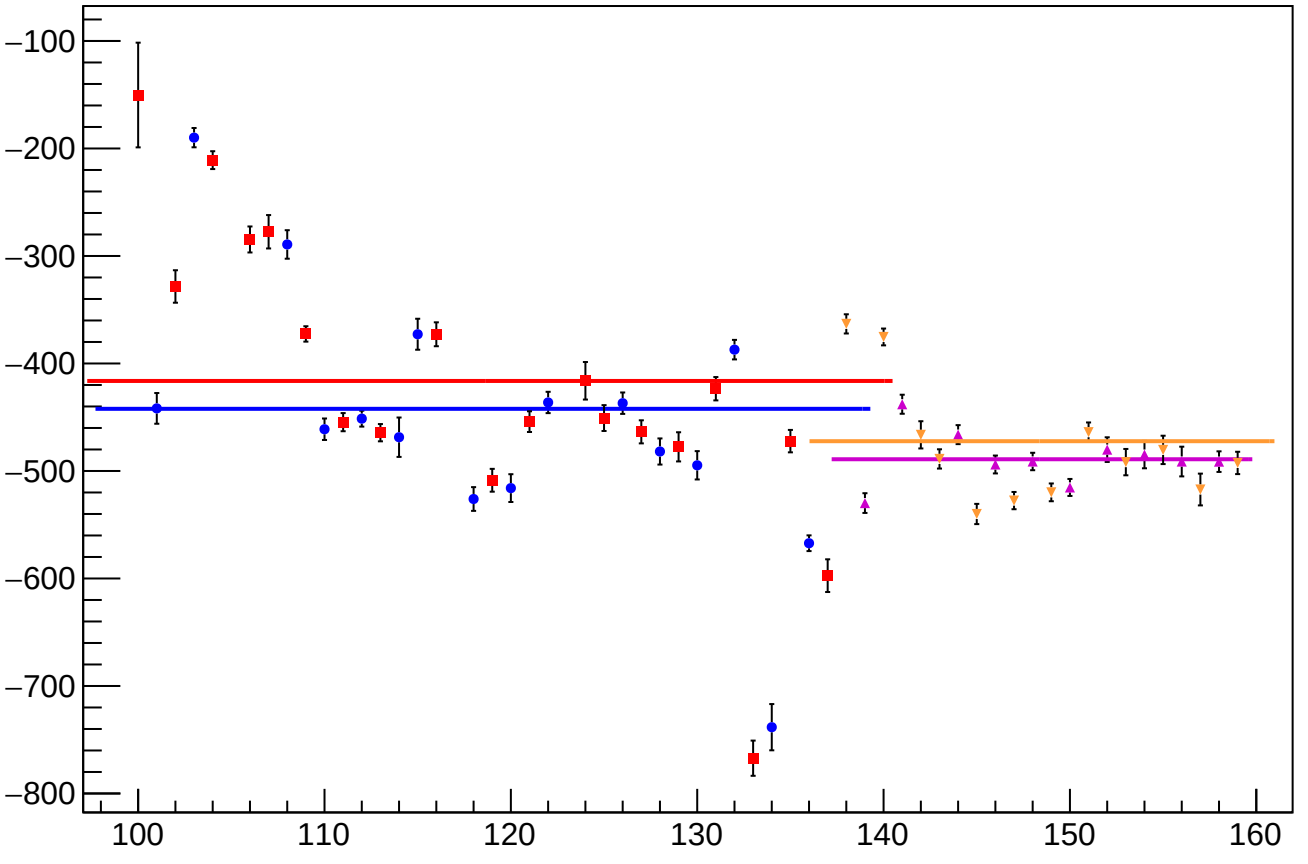
Left: -23.311+/-0.025 χ^2/NDF: 199111.0/21

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -22.320+/-0.031 χ^2/NDF:123946.9/25

Out: -23.065+/-0.030 χ^2/NDF:208576.7/30

All: -22.699+/-0.022 χ^2/NDF: 332822.4/56



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -472.298+/-2.801 χ^2/NDF:455.6/11

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -489.091+/-2.974 χ^2/NDF:72.1/9

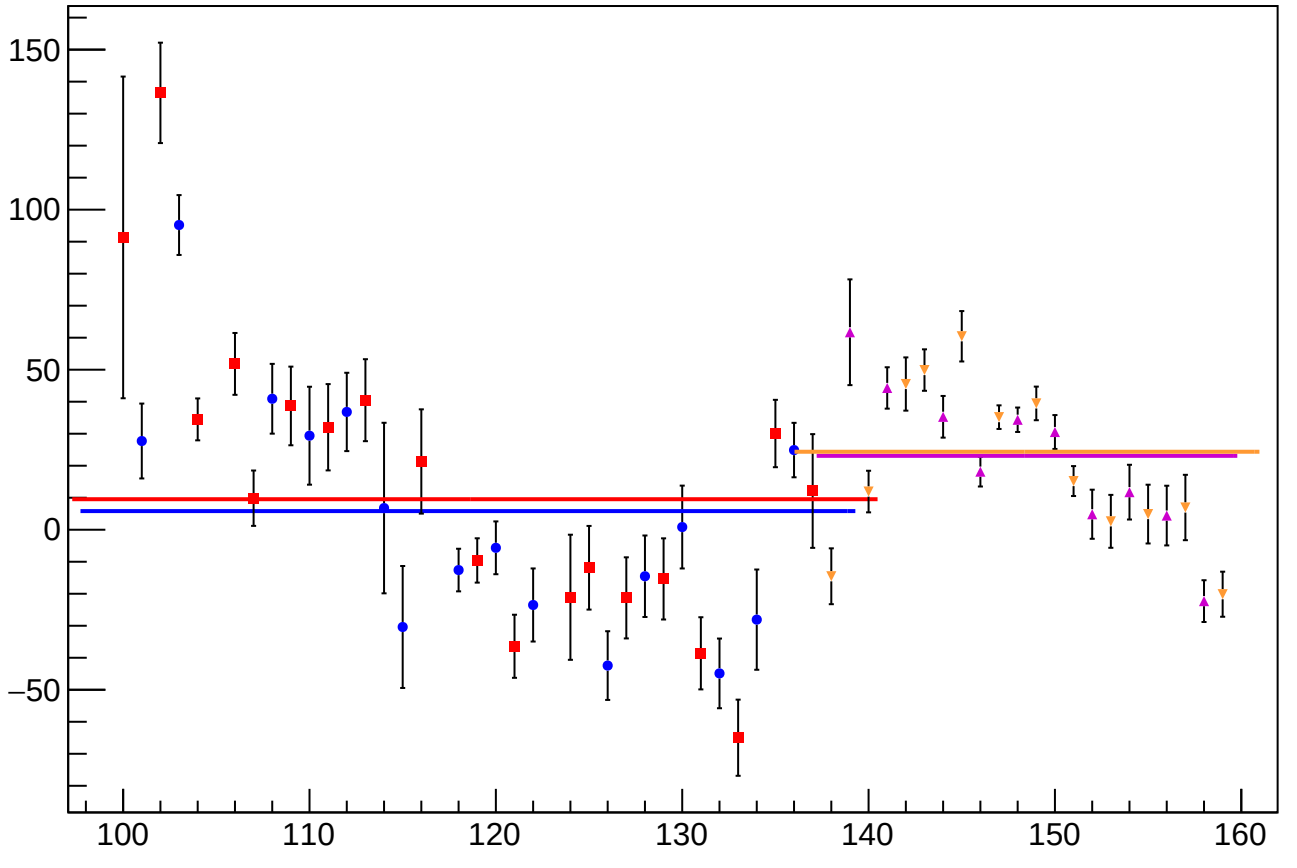
Left: -480.191+/-2.039 χ^2/NDF: 544.6/21

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -463.219+/-1.992 χ^2/NDF:1798.4/25

Out: -441.357+/-1.874 χ^2/NDF:2430.5/30

All: -451.626+/-1.365 χ^2/NDF: 4292.8/56



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 24.367+/-1.817 χ^2/NDF:141.5/11

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 23.091+/-1.933 χ^2/NDF:91.4/9

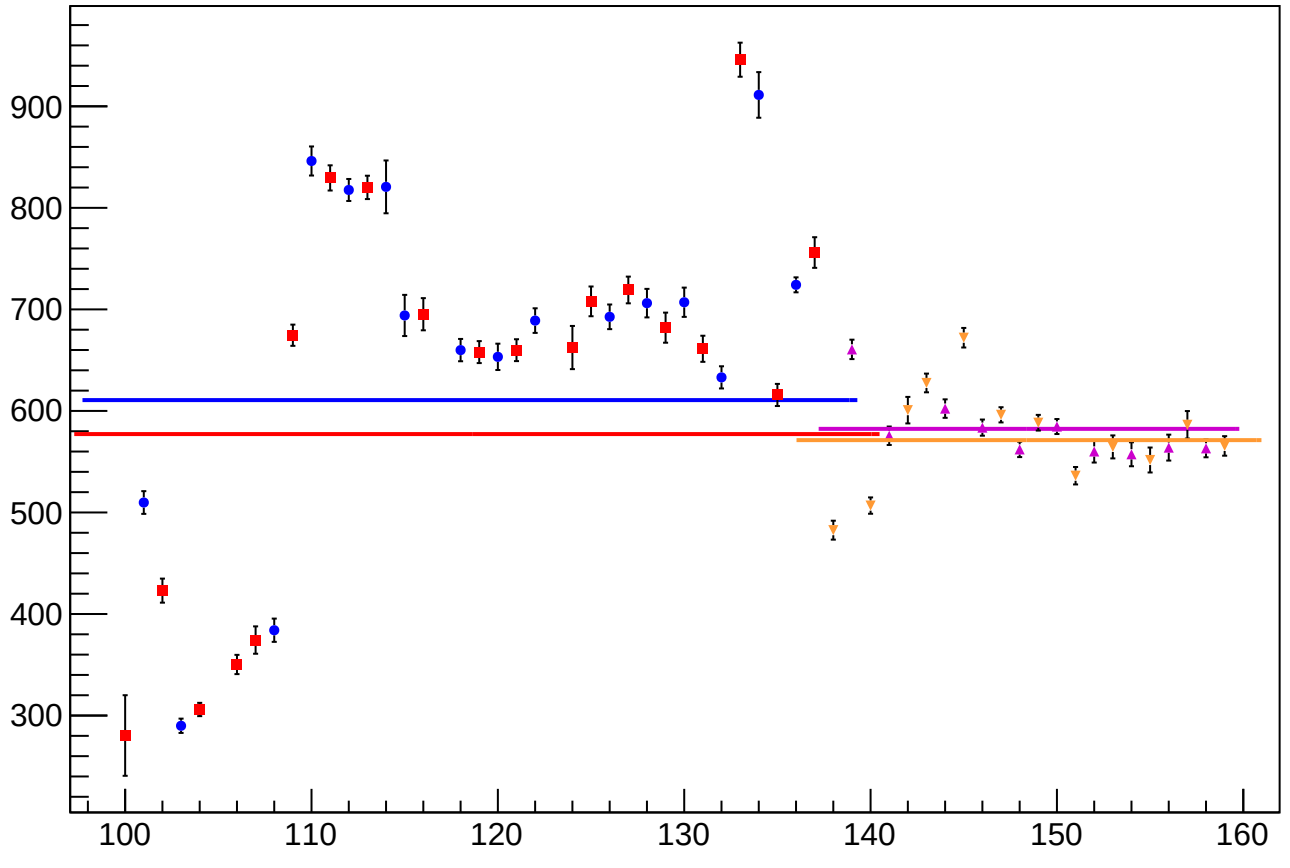
Left: 23.769+/-1.324 χ^2/NDF: 233.1/21

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 17.319+/-1.577 χ^2/NDF:306.2/25

Out: 19.391+/-1.481 χ^2/NDF:386.1/30

All: 18.420+/-1.080 χ^2/NDF: 693.1/56



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 571.242+/-2.729 χ^2/NDF:343.9/11

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 582.346+/-2.873 χ^2/NDF:95.0/9

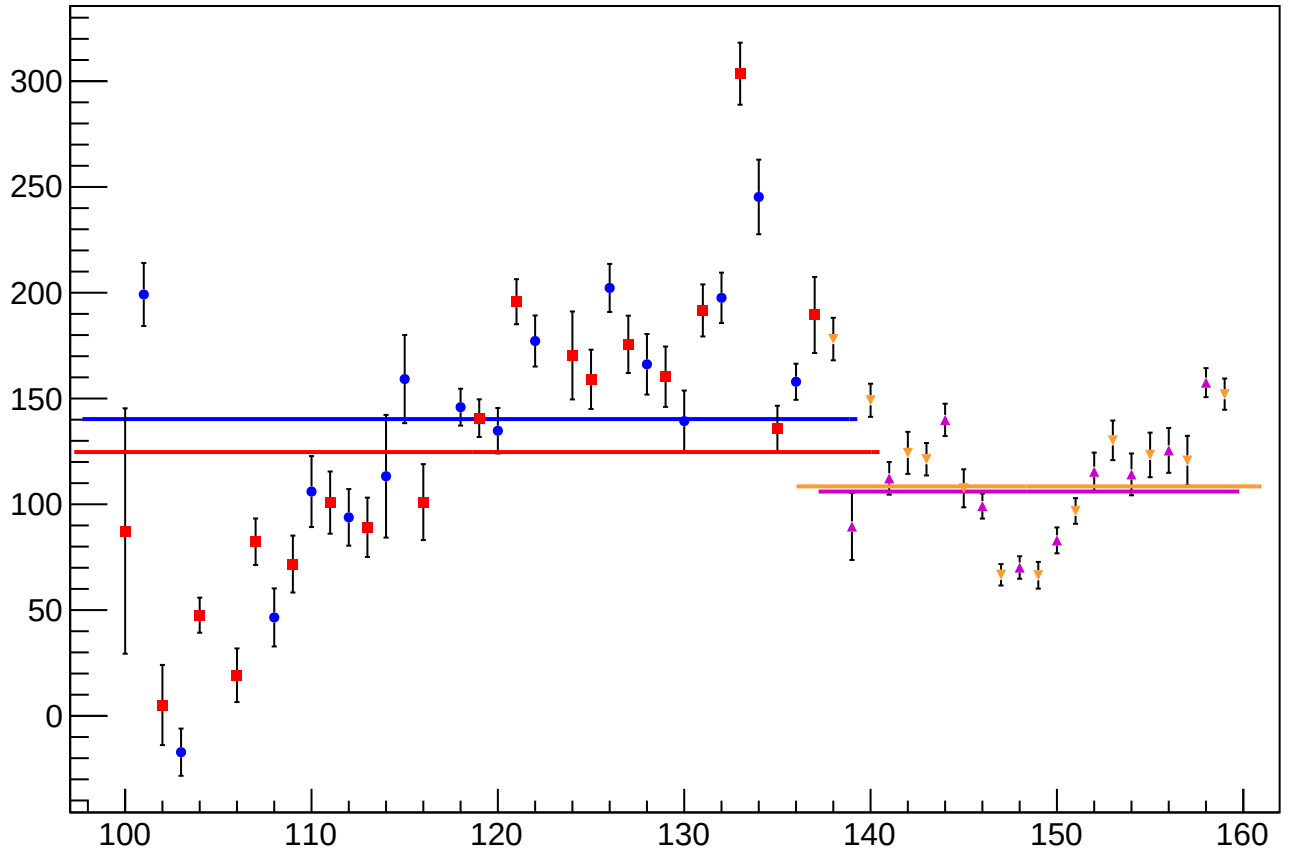
Left: 576.511+/-1.979 χ^2/NDF: 446.8/21

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 596.408+/-2.038 χ^2/NDF:4035.9/25

Out: 574.196+/-1.939 χ^2/NDF:5146.6/30

All: 584.749+/-1.405 χ^2/NDF: 9244.8/56



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 108.474+/-2.219 χ^2/NDF:240.1/11

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 106.027+/-2.348 χ^2/NDF:144.0/9

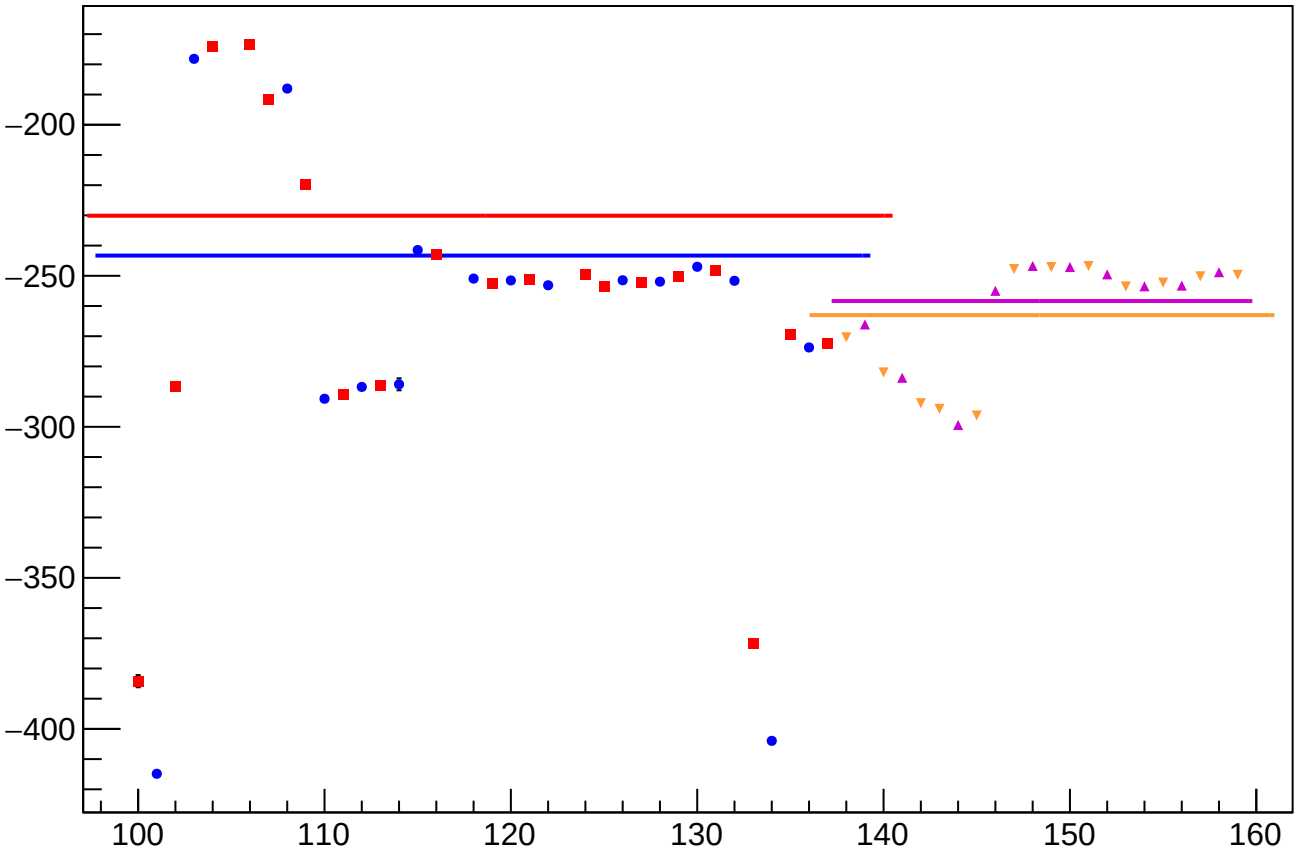
Left: 107.320+/-1.613 χ^2/NDF: 384.6/21

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 118.257+/-1.883 χ^2/NDF:605.3/25

Out: 114.263+/-1.779 χ^2/NDF:767.7/30

All: 116.147+/-1.293 χ^2/NDF: 1375.4/56



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -263.015+/-0.108 χ^2/NDF:30684.9/11

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -258.355+/-0.111 χ^2/NDF:20051.6/9

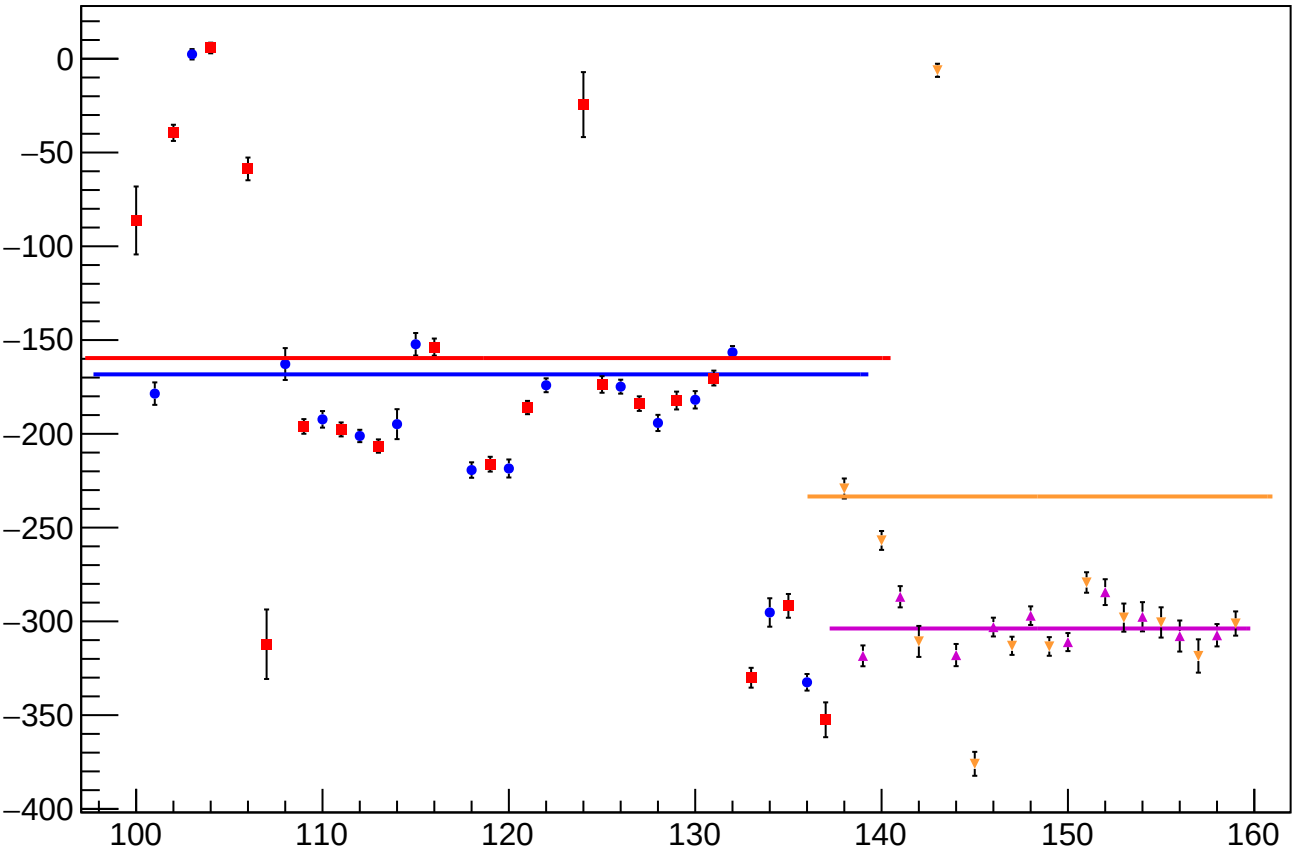
Left: -260.743+/-0.077 χ^2/NDF: 51642.4/21

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -253.579+/-0.092 χ^2/NDF:199391.5/25

Out: -252.467+/-0.089 χ^2/NDF:162843.8/30

All: -253.008+/-0.064 χ^2/NDF: 362311.1/56



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -233.407+/-1.620 χ^2/NDF:5745.4/11

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -303.801+/-1.837 χ^2/NDF:34.9/9

Left: -264.195+/-1.215 χ^2/NDF: 6606.4/21

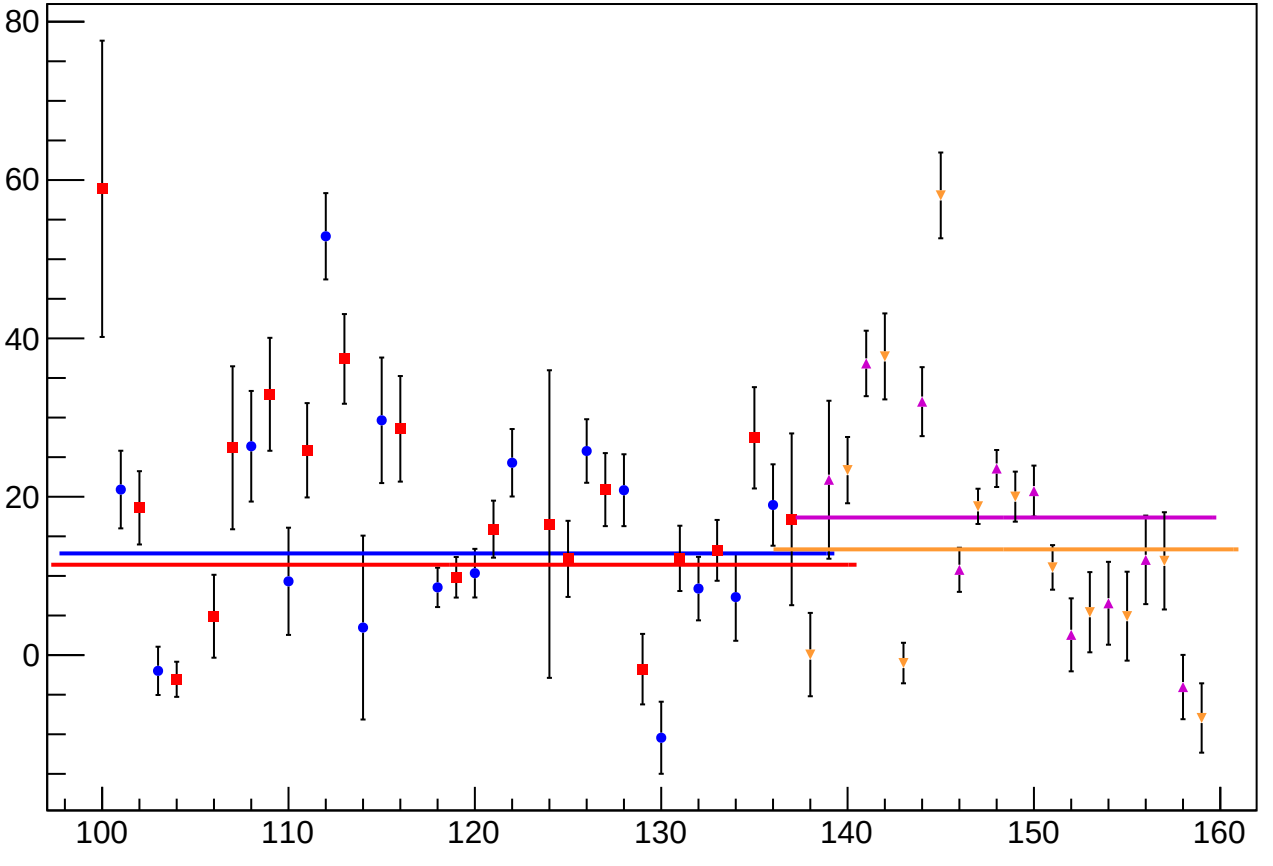
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -202.890+/-0.928 χ^2/NDF:9994.0/25

Out: -181.214+/-0.877 χ^2/NDF:14411.4/30

All: -191.431+/-0.637 χ^2/NDF: 24693.6/56

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 13.355+/-1.059 χ^2/NDF:171.3/11

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 17.379+/-1.190 χ^2/NDF:90.7/9

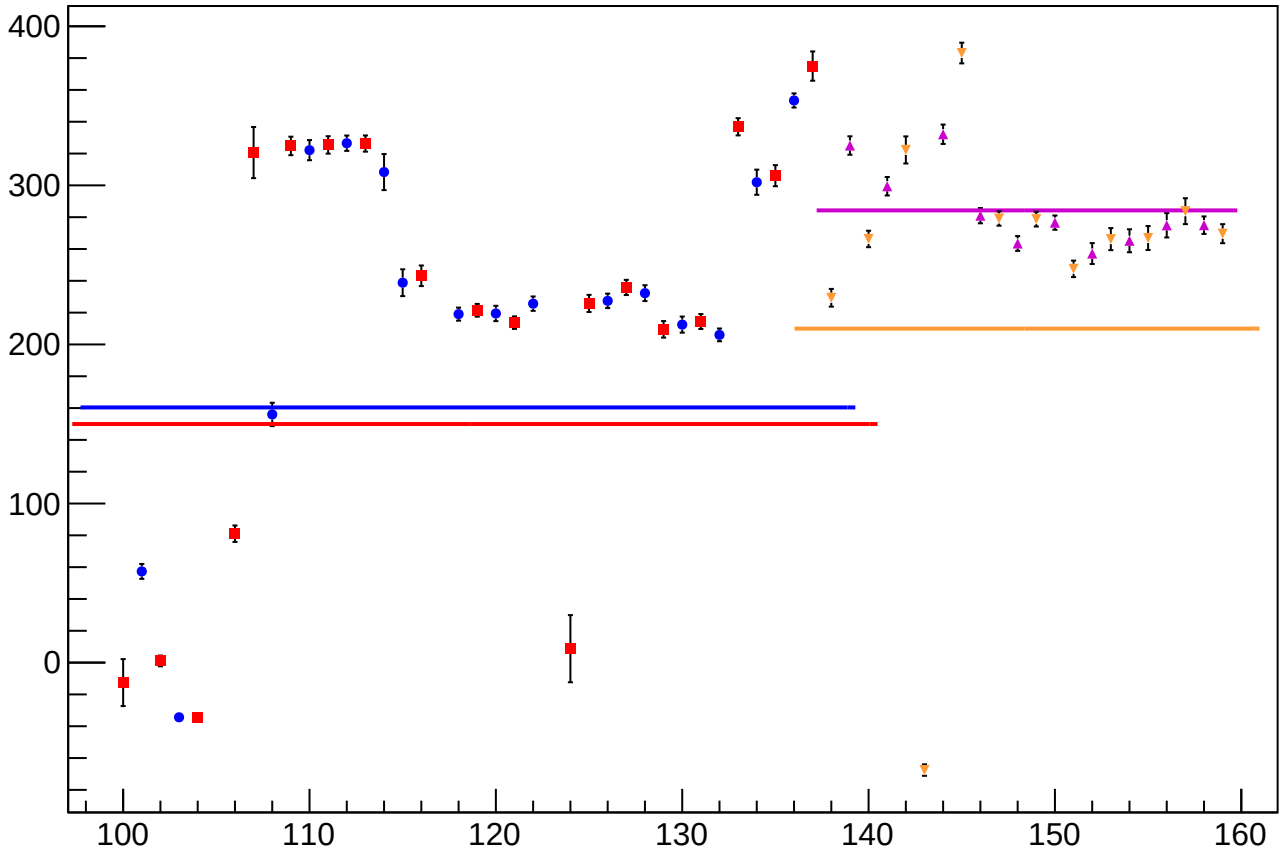
Left: 15.133+/-0.791 χ^2/NDF: 268.4/21

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.883+/-0.798 χ^2/NDF:242.4/25

Out: 12.362+/-0.740 χ^2/NDF:292.6/30

All: 13.528+/-0.543 χ^2/NDF: 540.3/56



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 209.954+/-1.586 χ^2/NDF:7733.6/11

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 284.265+/-1.772 χ^2/NDF:170.0/9

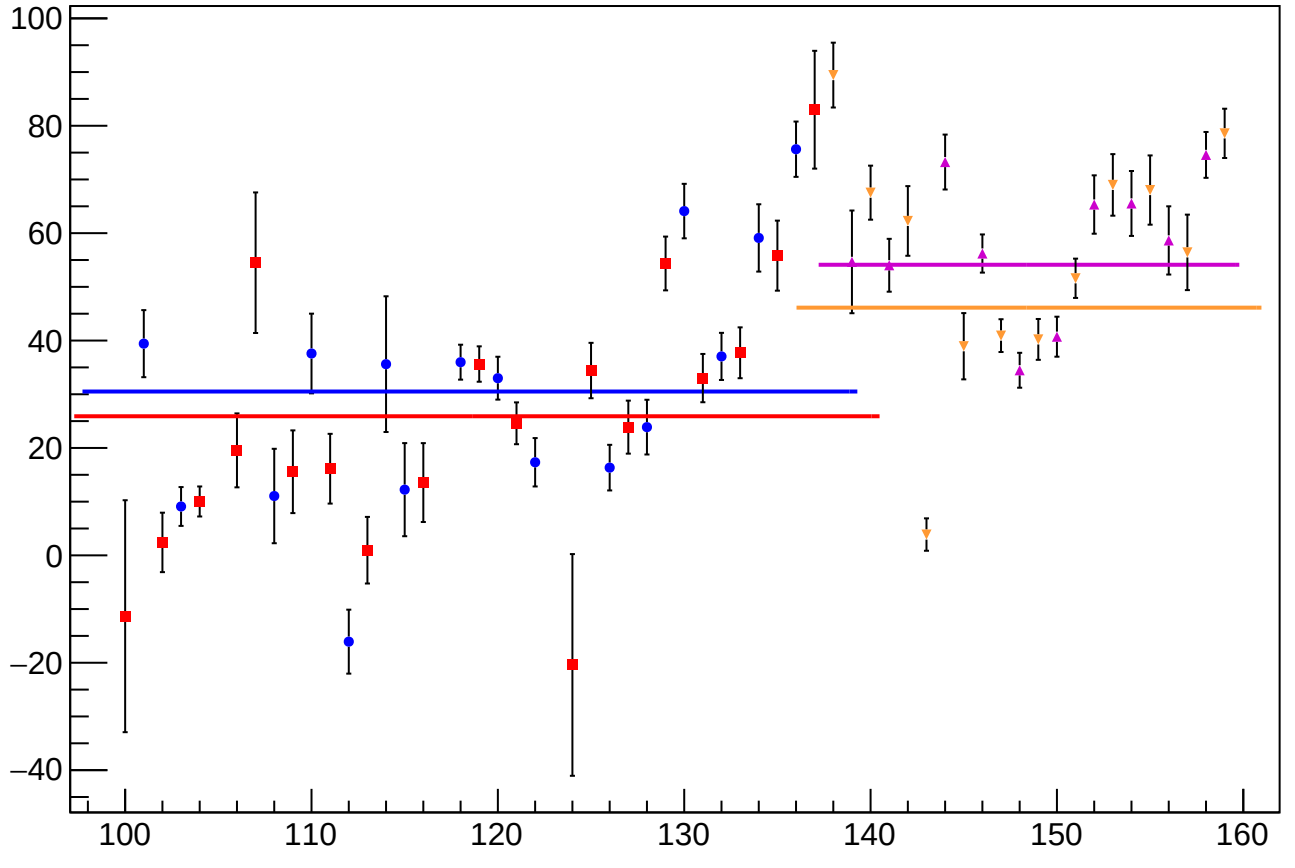
Left: 243.011+/-1.182 χ^2/NDF: 8880.2/21

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 196.628+/-0.958 χ^2/NDF:17577.9/25

Out: 169.618+/-0.908 χ^2/NDF:24960.6/30

All: 182.393+/-0.659 χ^2/NDF: 42957.4/56



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 46.128+/-1.291 χ^2/NDF:360.5/11

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.115+/-1.448 χ^2/NDF:95.1/9

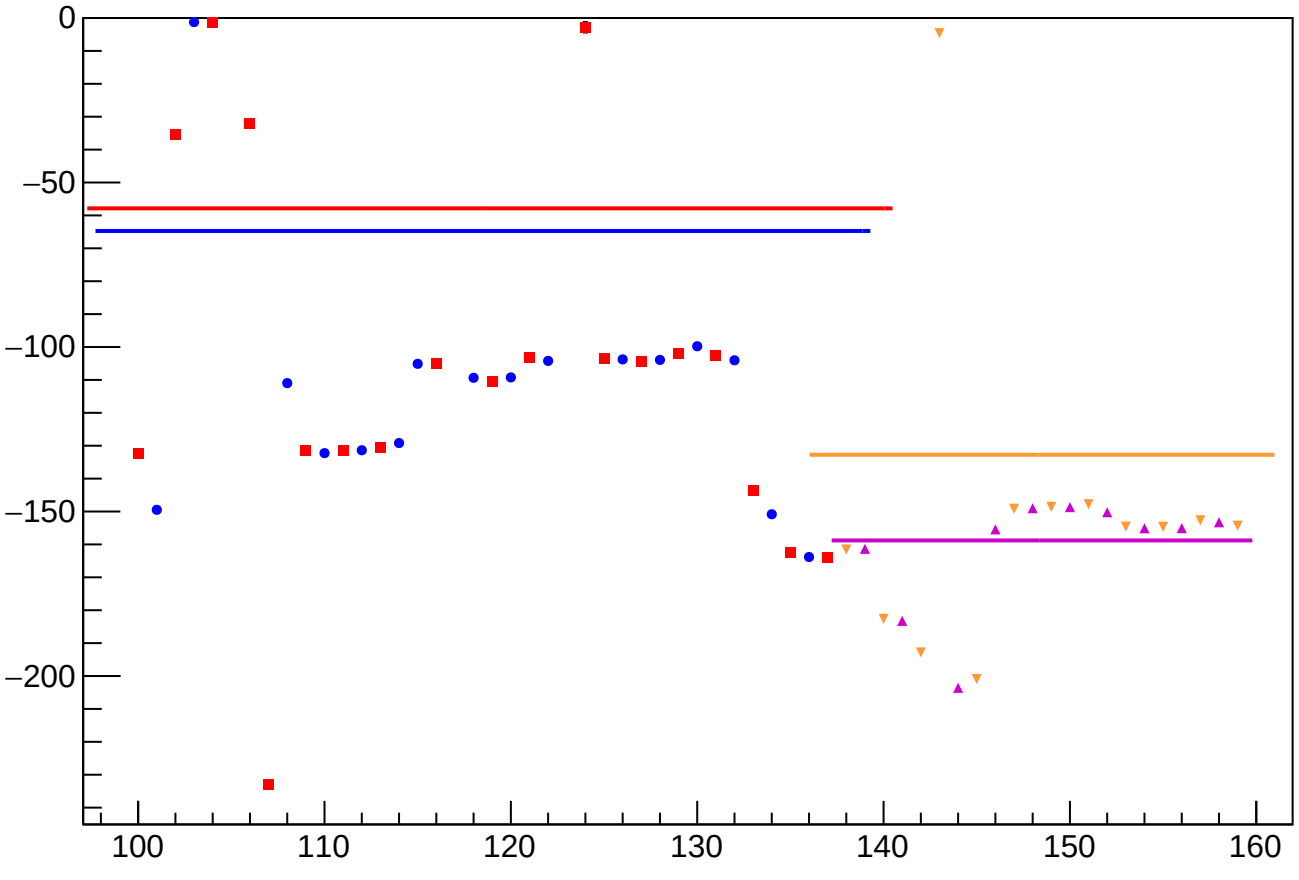
Left: 49.665+/-0.963 χ^2/NDF: 472.5/21

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 40.633+/-0.948 χ^2/NDF:523.9/25

Out: 35.388+/-0.884 χ^2/NDF:678.6/30

All: 37.827+/-0.647 χ^2/NDF: 1218.9/56



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -132.757+/-0.063 χ^2/NDF:945058.3/11

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -158.789+/-0.068 χ^2/NDF:46267.5/9

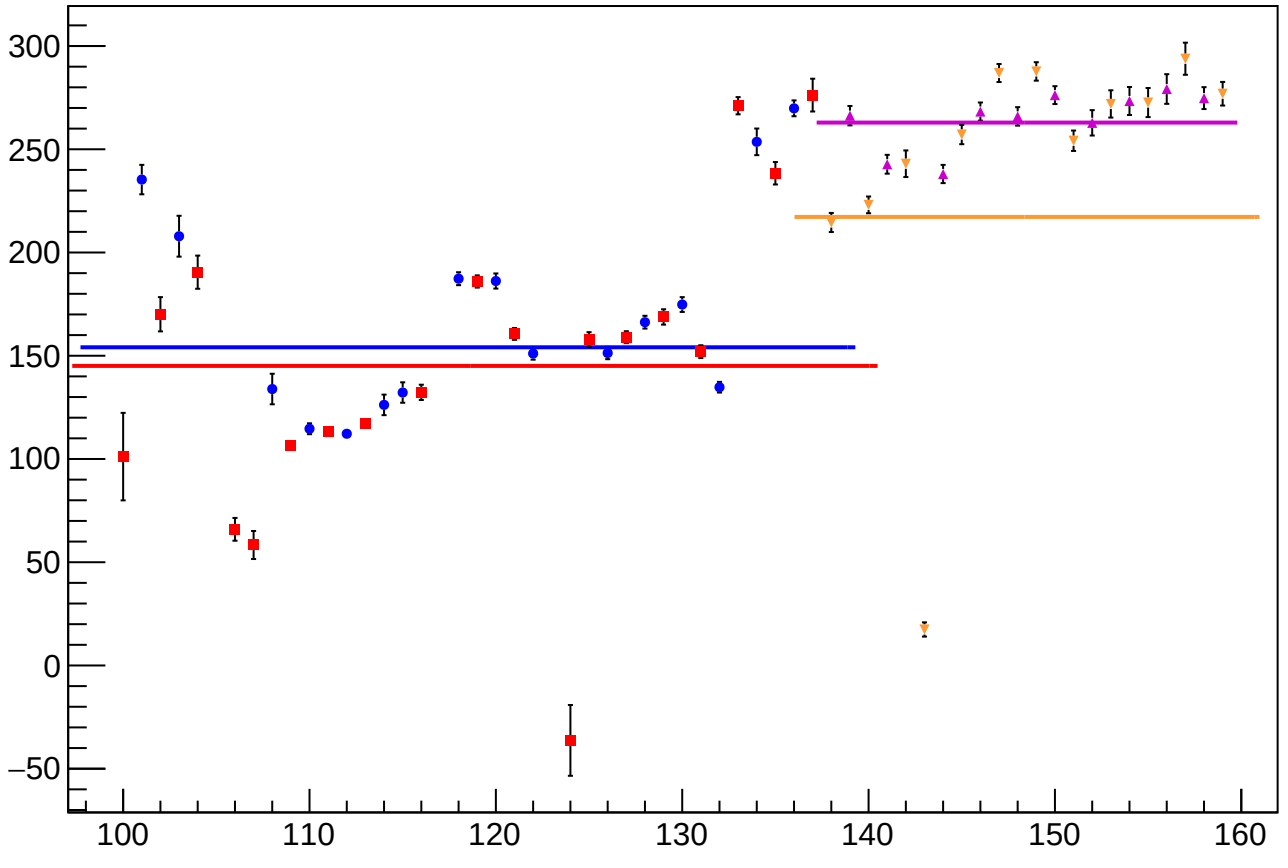
Left: -144.758+/-0.046 χ^2/NDF: 1069950.9/21

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -108.649+/-0.047 χ^2/NDF:2105961.7/25

Out: -94.775+/-0.044 χ^2/NDF:2536813.4/30

All: -101.358+/-0.032 χ^2/NDF: 4689401.7/56



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 217.229+/-1.421 χ^2/NDF:4350.9/11

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 262.922+/-1.575 χ^2/NDF:75.8/9

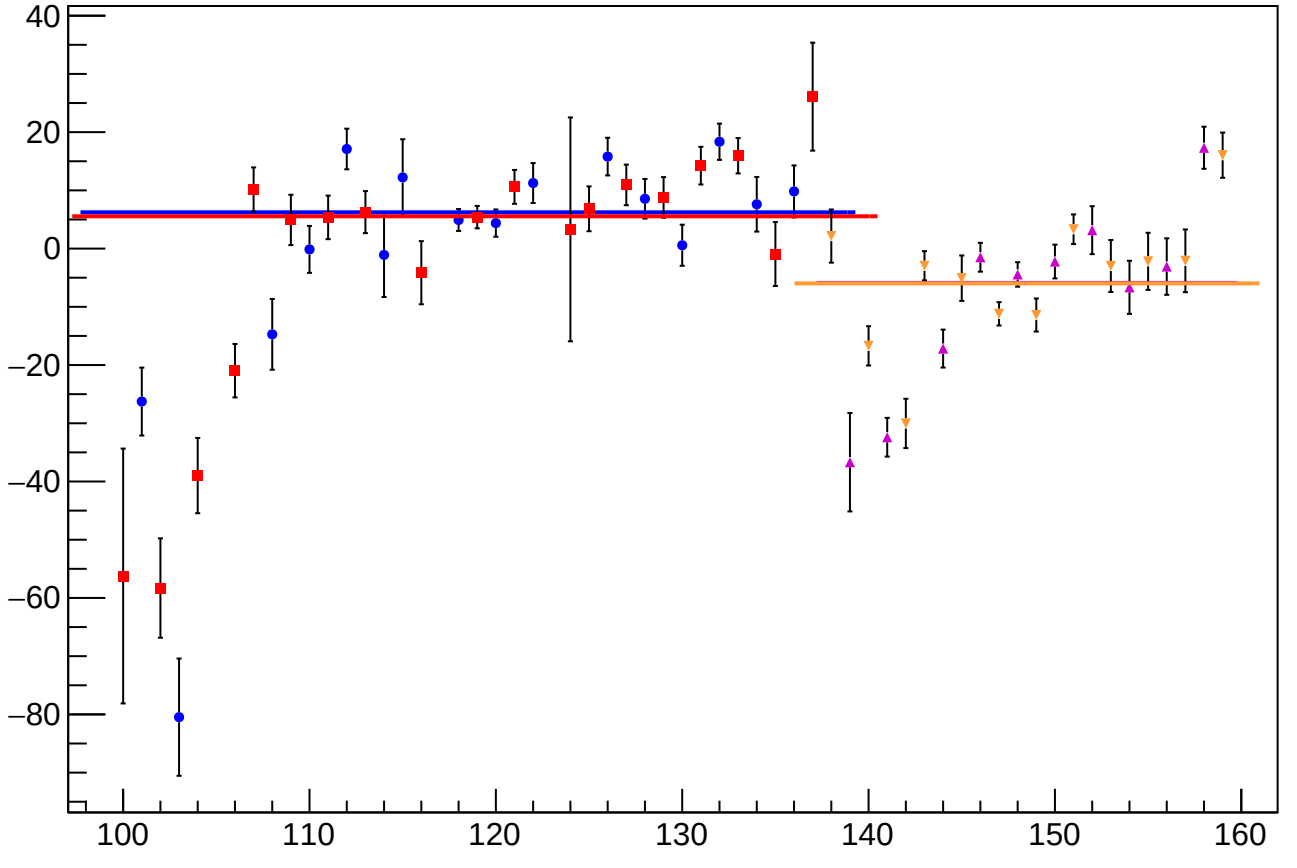
Left: 237.734+/-1.055 χ^2/NDF: 4890.8/21

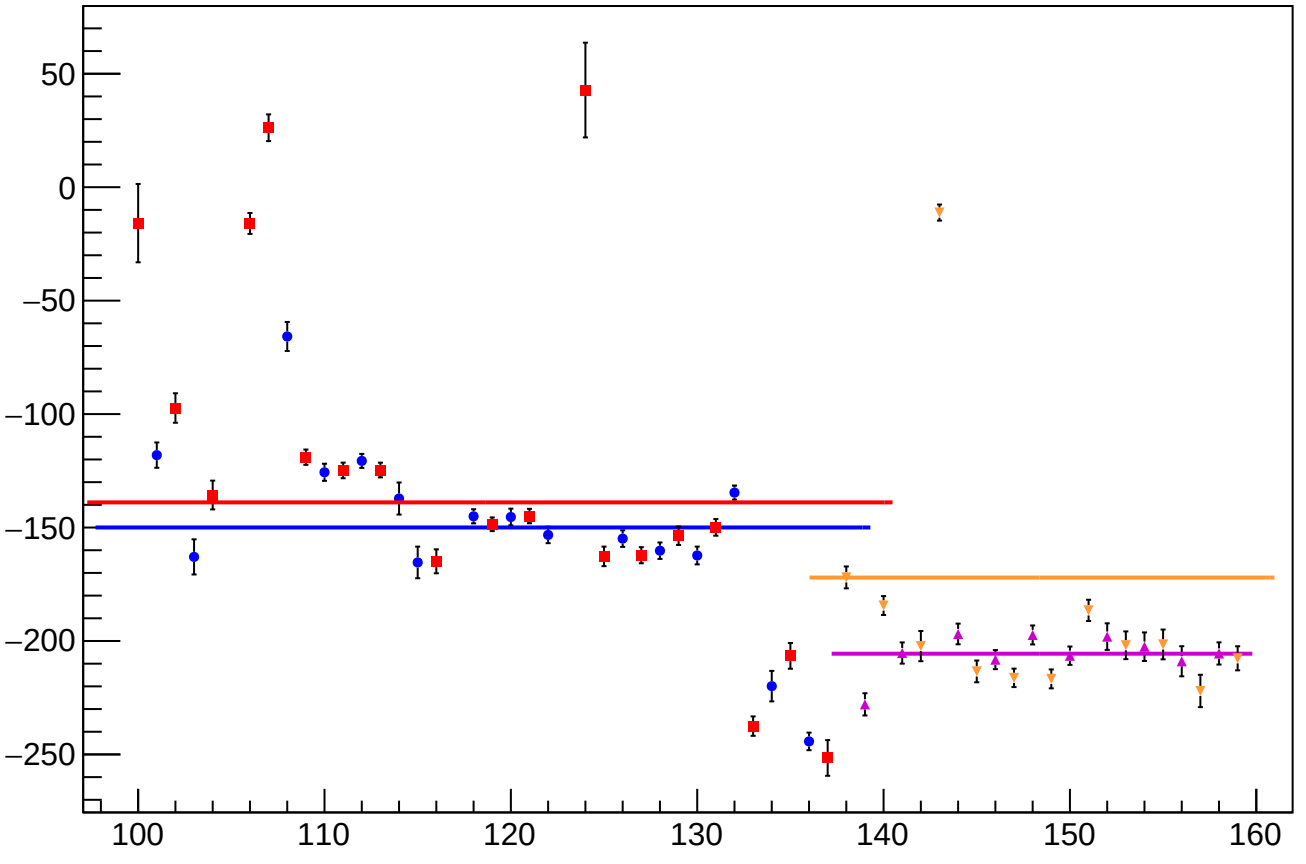
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 179.502+/-0.761 χ^2/NDF:6017.2/25

Out: 163.305+/-0.714 χ^2/NDF:9236.1/30

All: 170.890+/-0.521 χ^2/NDF: 15494.1/56


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
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -5.975+/-0.939 χ²/NDF:104.5/11
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -5.896+/-1.036 χ²/NDF:140.3/9
Left: -5.939+/-0.696 χ²/NDF: 244.8/21
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 1.078+/-0.675 χ²/NDF:381.2/25
Out: 0.098+/-0.646 χ²/NDF:365.0/30
All: 0.566+/-0.467 χ²/NDF: 747.3/56



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -172.054+/-1.394 χ^2/NDF:2545.2/11

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -205.602+/-1.526 χ^2/NDF:30.9/9

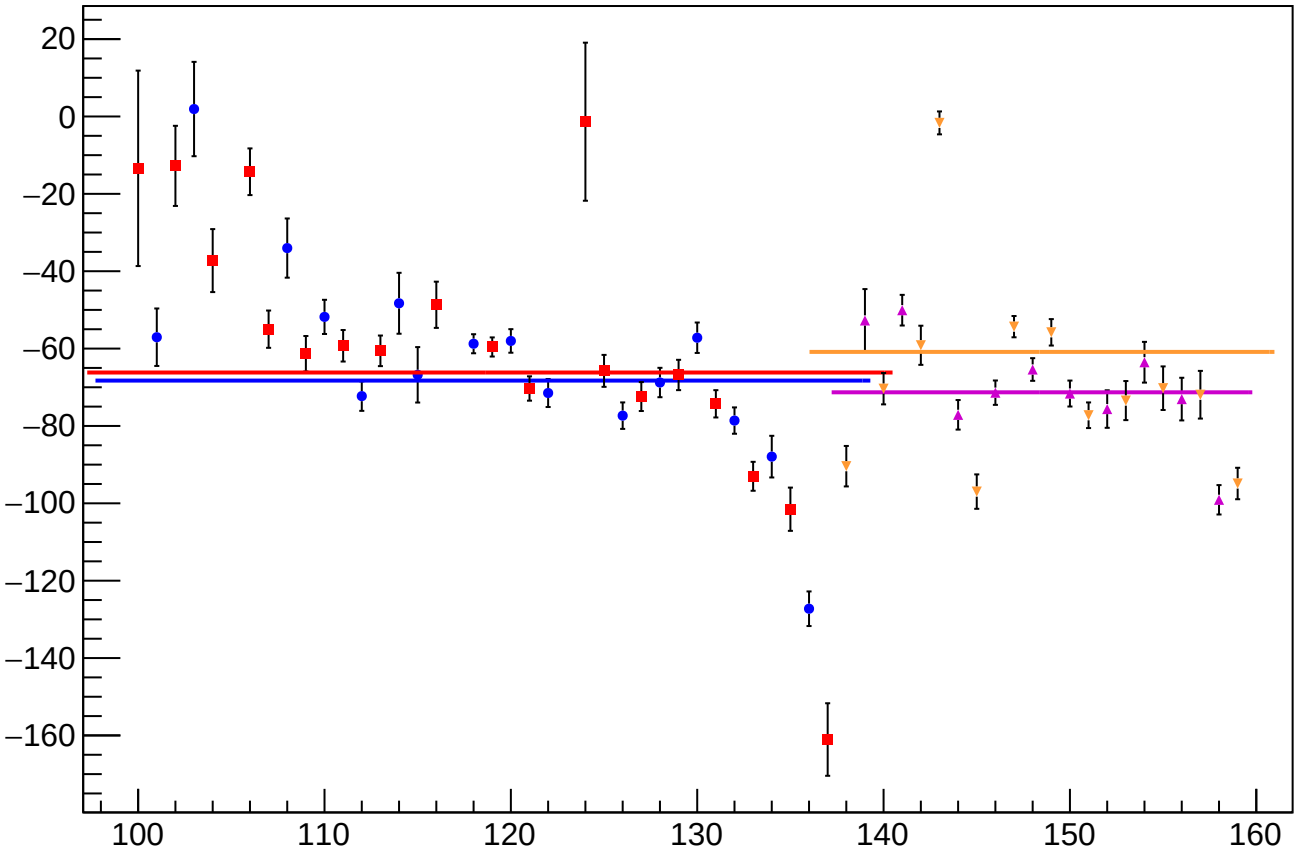
Left: -187.318+/-1.029 χ^2/NDF: 2839.7/21

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -167.288+/-0.851 χ^2/NDF:2046.3/25

Out: -150.076+/-0.809 χ^2/NDF:5671.0/30

All: -158.245+/-0.586 χ^2/NDF: 7932.1/56



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -60.856+/-1.142 χ^2/NDF:617.3/11

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -71.303+/-1.255 χ^2/NDF:96.9/9

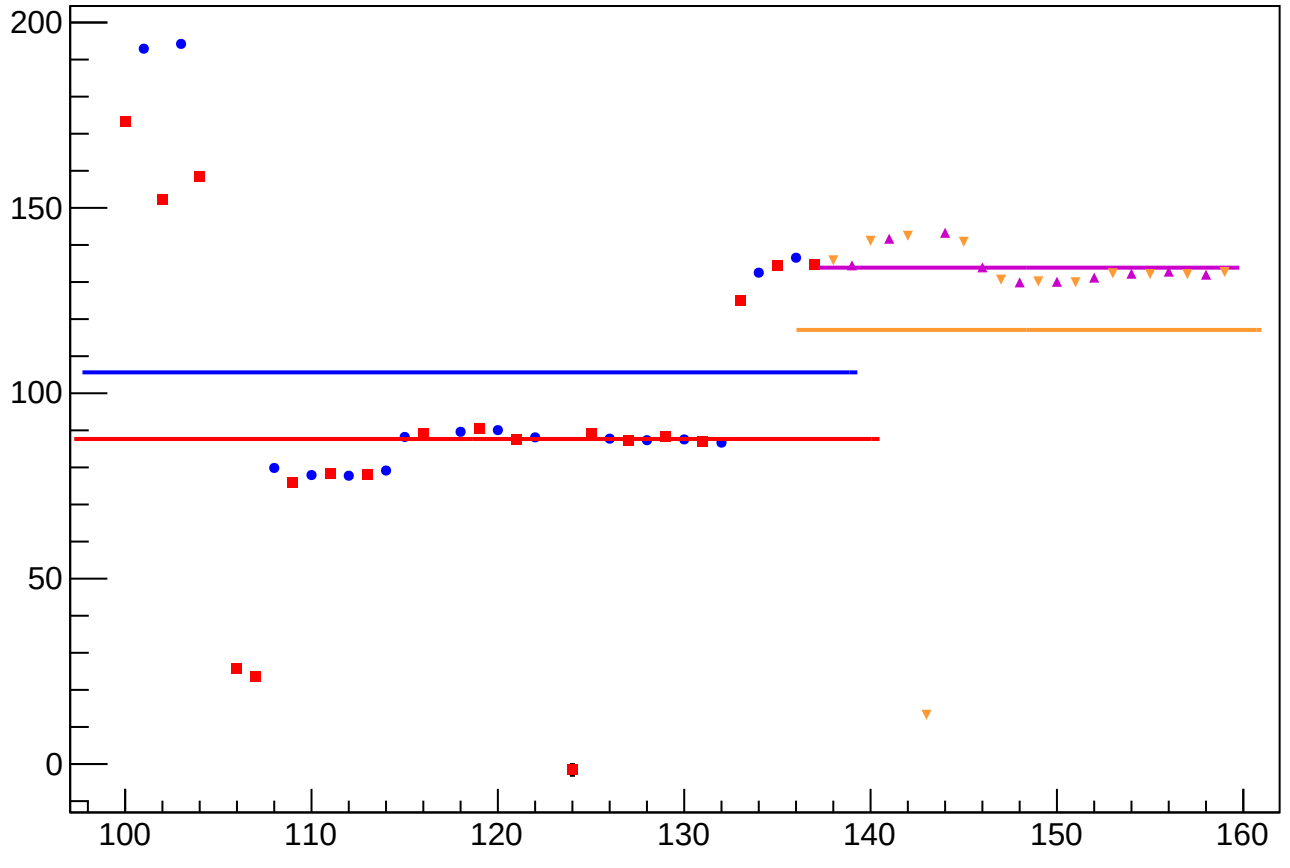
Left: -65.584+/-0.845 χ^2/NDF: 752.1/21

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -69.496+/-0.798 χ^2/NDF:415.8/25

Out: -63.809+/-0.762 χ^2/NDF:987.7/30

All: -66.523+/-0.551 χ^2/NDF: 1430.0/56



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.085+/-0.055 χ^2/NDF:585934.7/11

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.877+/-0.059 χ^2/NDF:5272.4/9

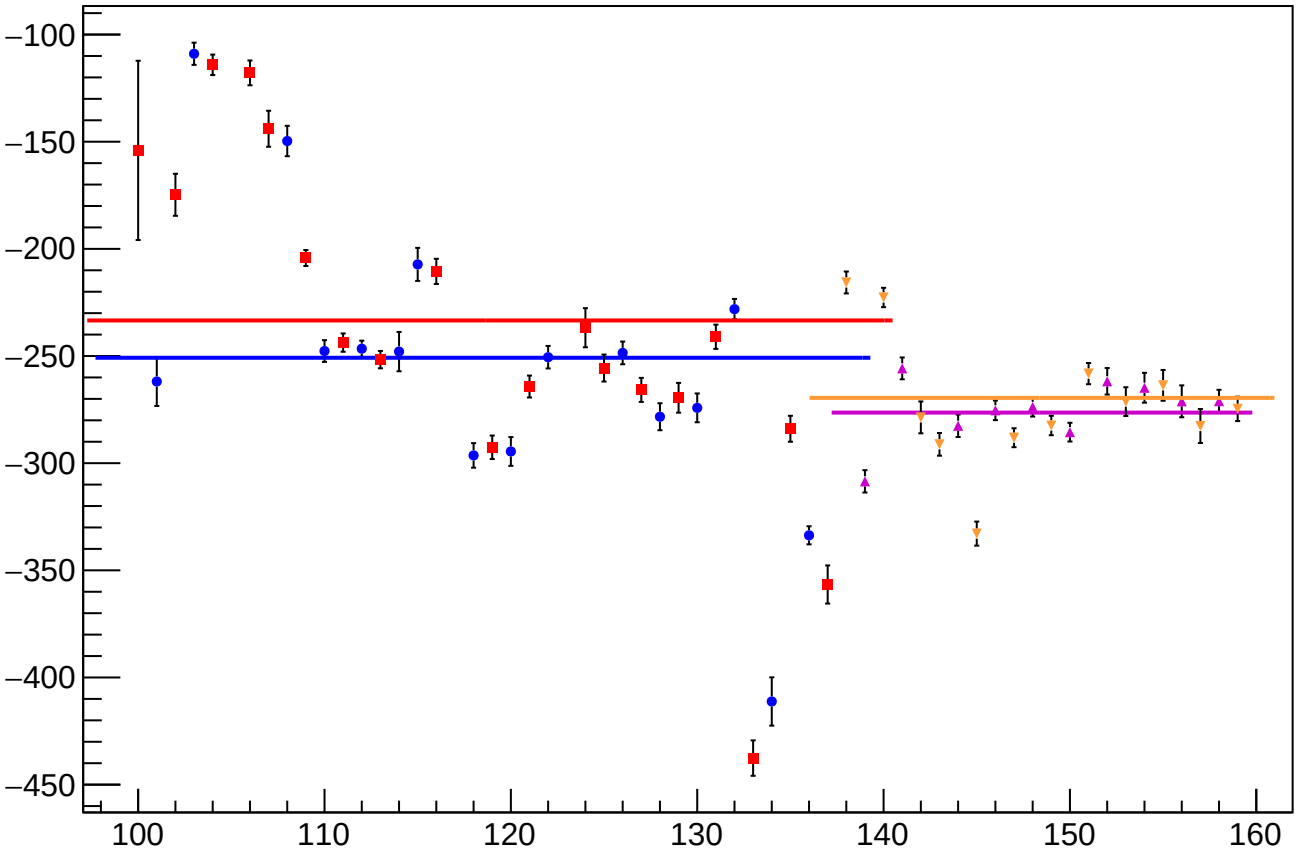
Left: 124.961+/-0.040 χ^2/NDF: 634338.2/21

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.330+/-0.045 χ^2/NDF:338818.9/25

Out: 104.853+/-0.042 χ^2/NDF:1077717.0/30

All: 112.999+/-0.031 χ^2/NDF: 1496013.3/56



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -269.535+/-1.578 χ^2/NDF:399.3/11

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -276.405+/-1.663 χ^2/NDF:70.4/9

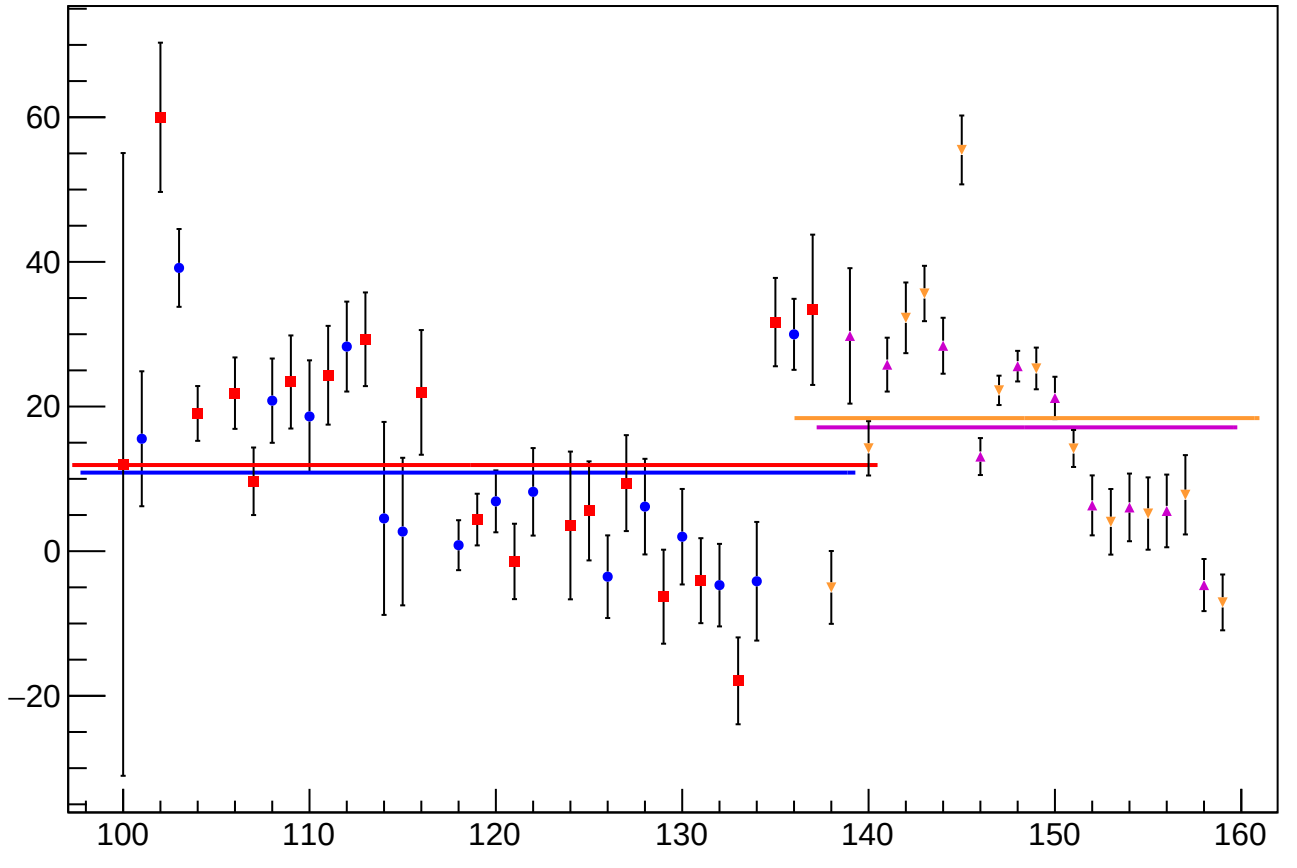
Left: -272.790+/-1.145 χ^2/NDF: 478.6/21

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.765+/-1.088 χ^2/NDF:1941.6/25

Out: -248.450+/-1.018 χ^2/NDF:3083.8/30

All: -254.670+/-0.743 χ^2/NDF: 5105.3/56



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 18.400+/-1.016 χ^2/NDF:188.0/11

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 17.121+/-1.076 χ^2/NDF:90.5/9

Left: 17.797+/-0.738 χ^2/NDF: 279.3/21

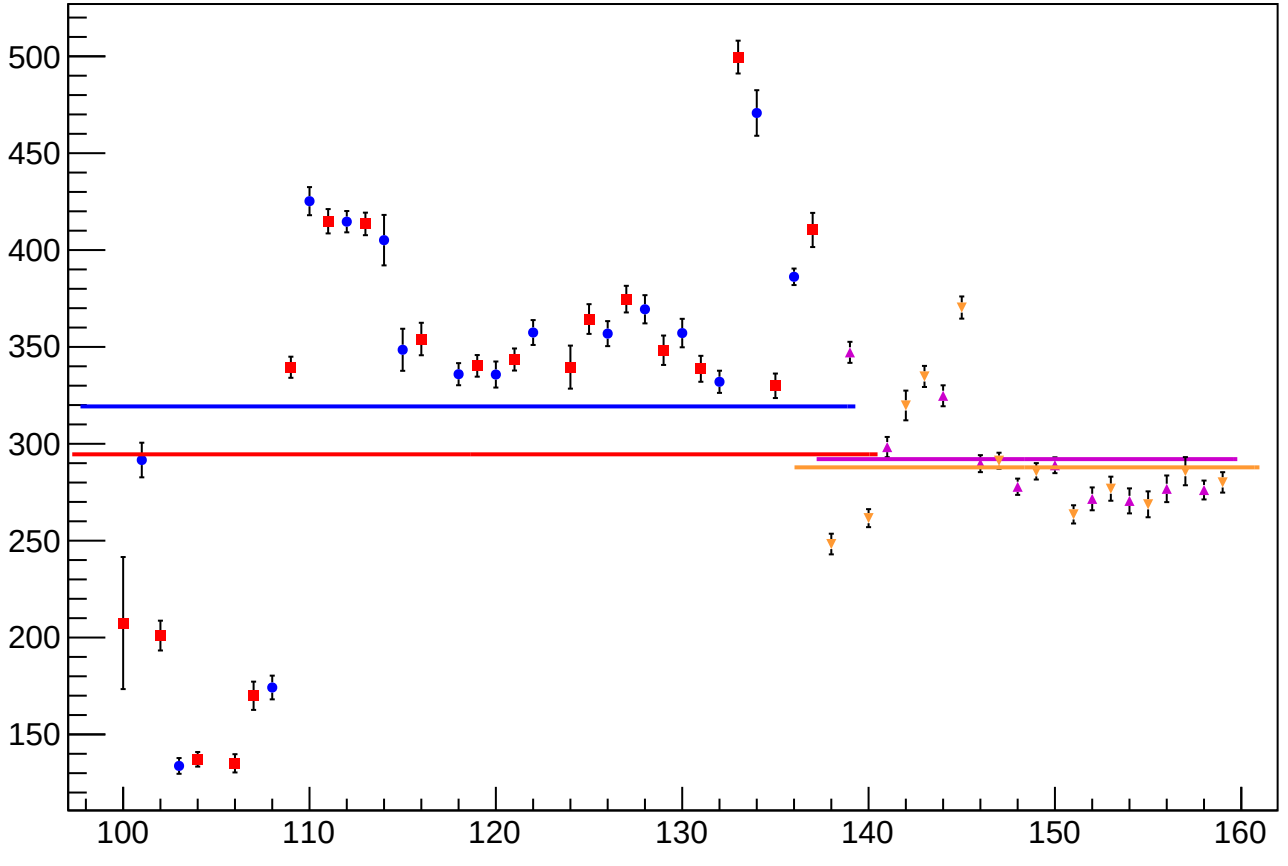
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.940+/-0.868 χ^2/NDF:186.9/25

Out: 16.094+/-0.815 χ^2/NDF:314.5/30

All: 15.553+/-0.594 χ^2/NDF: 502.3/56

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 287.844+/-1.533 χ^2/NDF:427.2/11

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 292.092+/-1.603 χ^2/NDF:192.5/9

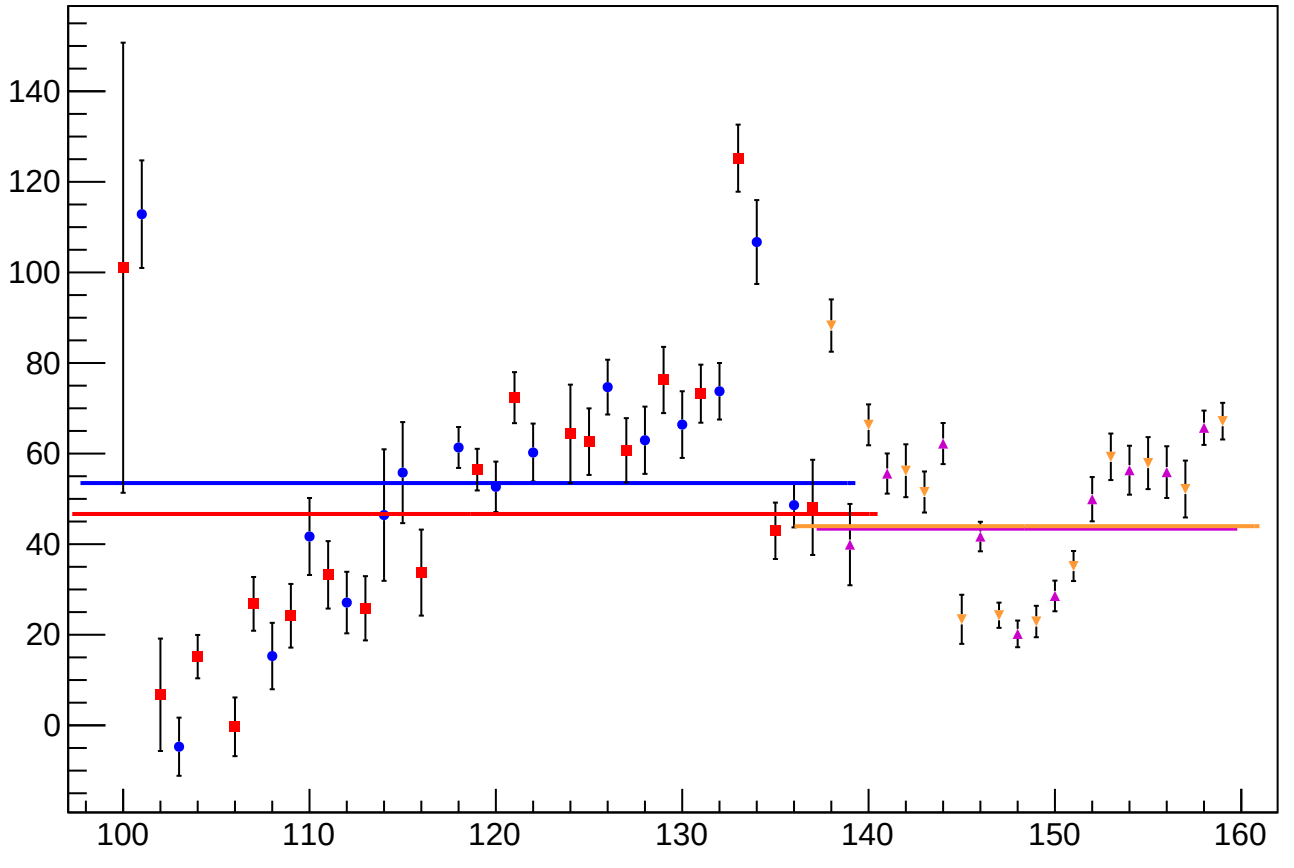
Left: 289.873+/-1.108 χ^2/NDF: 623.3/21

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 305.834+/-1.127 χ^2/NDF:4130.9/25

Out: 291.320+/-1.065 χ^2/NDF:5940.3/30

All: 298.166+/-0.774 χ^2/NDF: 10158.8/56



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 43.971+/-1.242 χ^2/NDF:248.0/11

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 43.420+/-1.307 χ^2/NDF:153.5/9

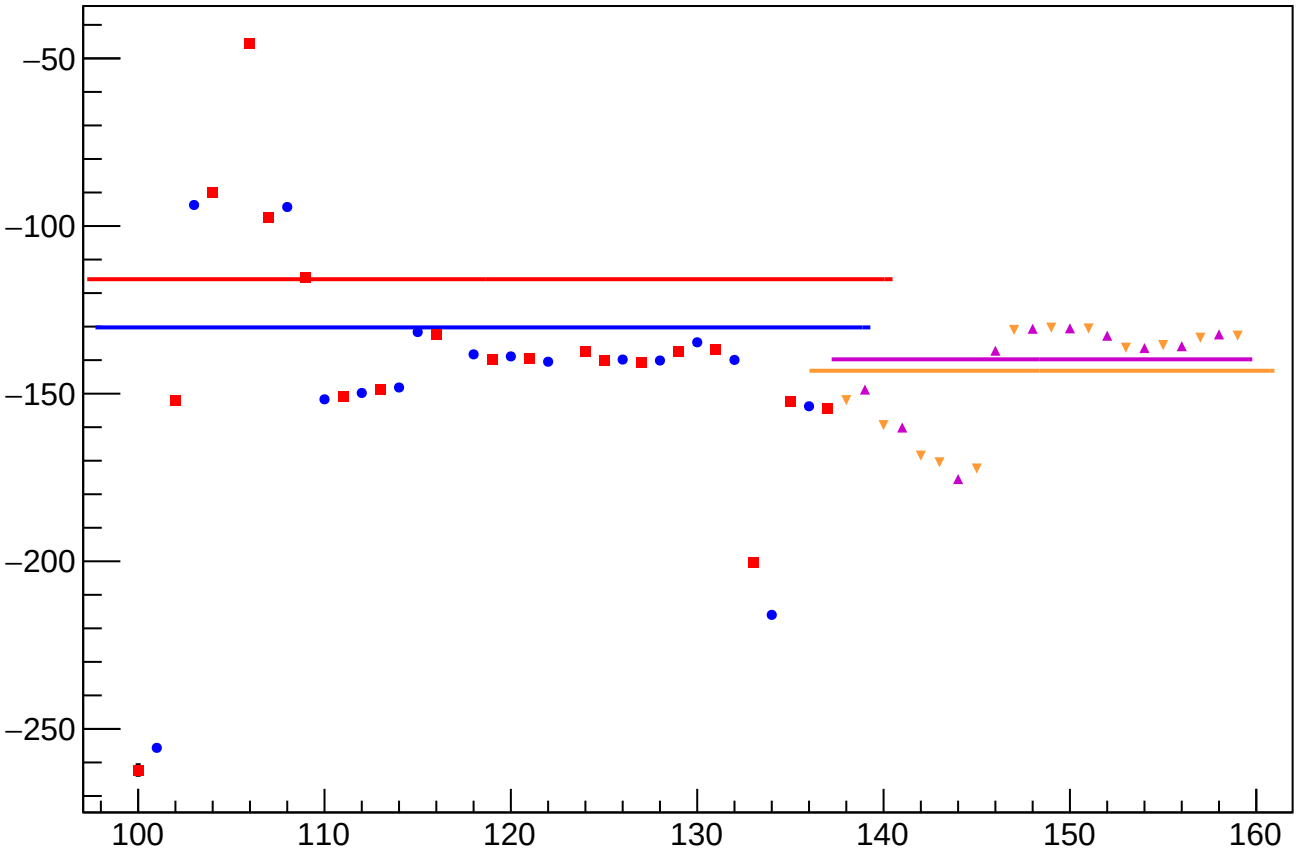
Left: 43.710+/-0.900 χ^2/NDF: 401.6/21

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 47.167+/-1.036 χ^2/NDF:392.8/25

Out: 44.989+/-0.979 χ^2/NDF:575.4/30

All: 46.017+/-0.712 χ^2/NDF: 970.6/56



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -143.166+/-0.060 χ^2/NDF:66677.8/11

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -139.759+/-0.062 χ^2/NDF:42670.5/9

Left: -141.495+/-0.043 χ^2/NDF: 110905.4/21

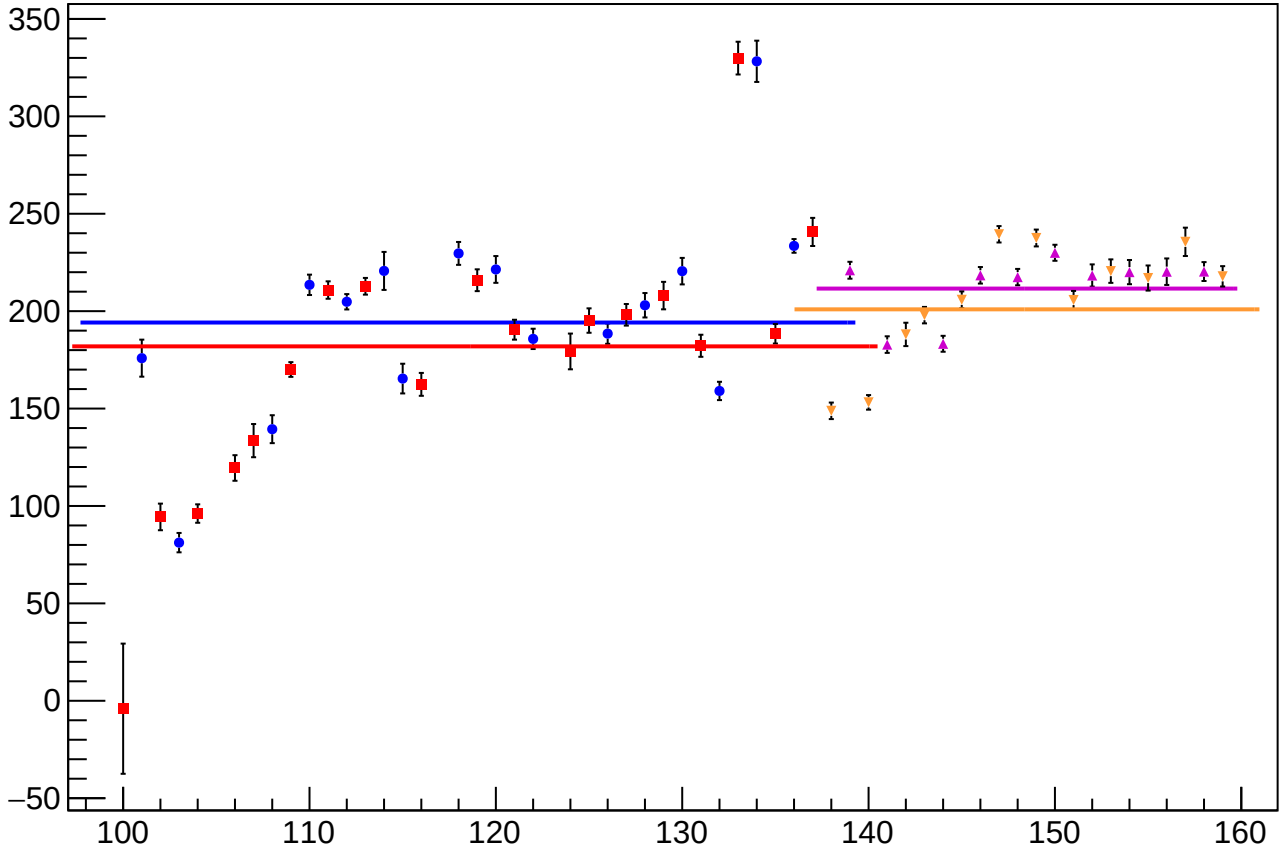
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.767+/-0.051 χ^2/NDF:224375.6/25

Out: -134.093+/-0.049 χ^2/NDF:340305.2/30

All: -135.387+/-0.036 χ^2/NDF: 566097.4/56

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: 200.934+/-1.376 χ^2/NDF:526.2/11

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 211.591+/-1.474 χ^2/NDF:131.0/9

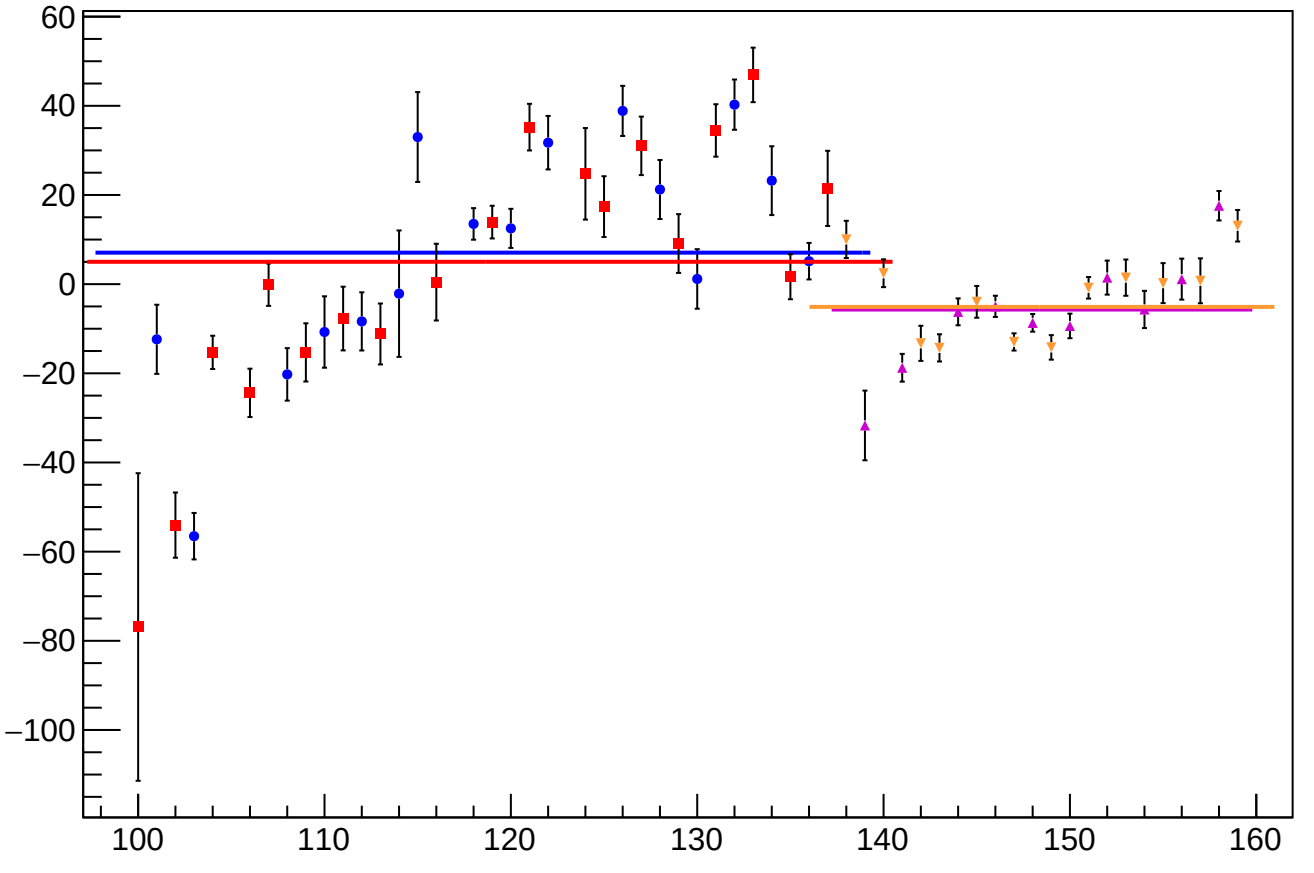
Left: 205.897+/-1.006 χ^2/NDF: 685.2/21

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 202.471+/-1.018 χ^2/NDF:1239.4/25

Out: 191.049+/-0.953 χ^2/NDF:1830.2/30

All: 196.387+/-0.696 χ^2/NDF: 3136.7/56



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -5.104+/-0.909 χ^2/NDF:94.9/11

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -5.696+/-0.973 χ^2/NDF:88.2/9

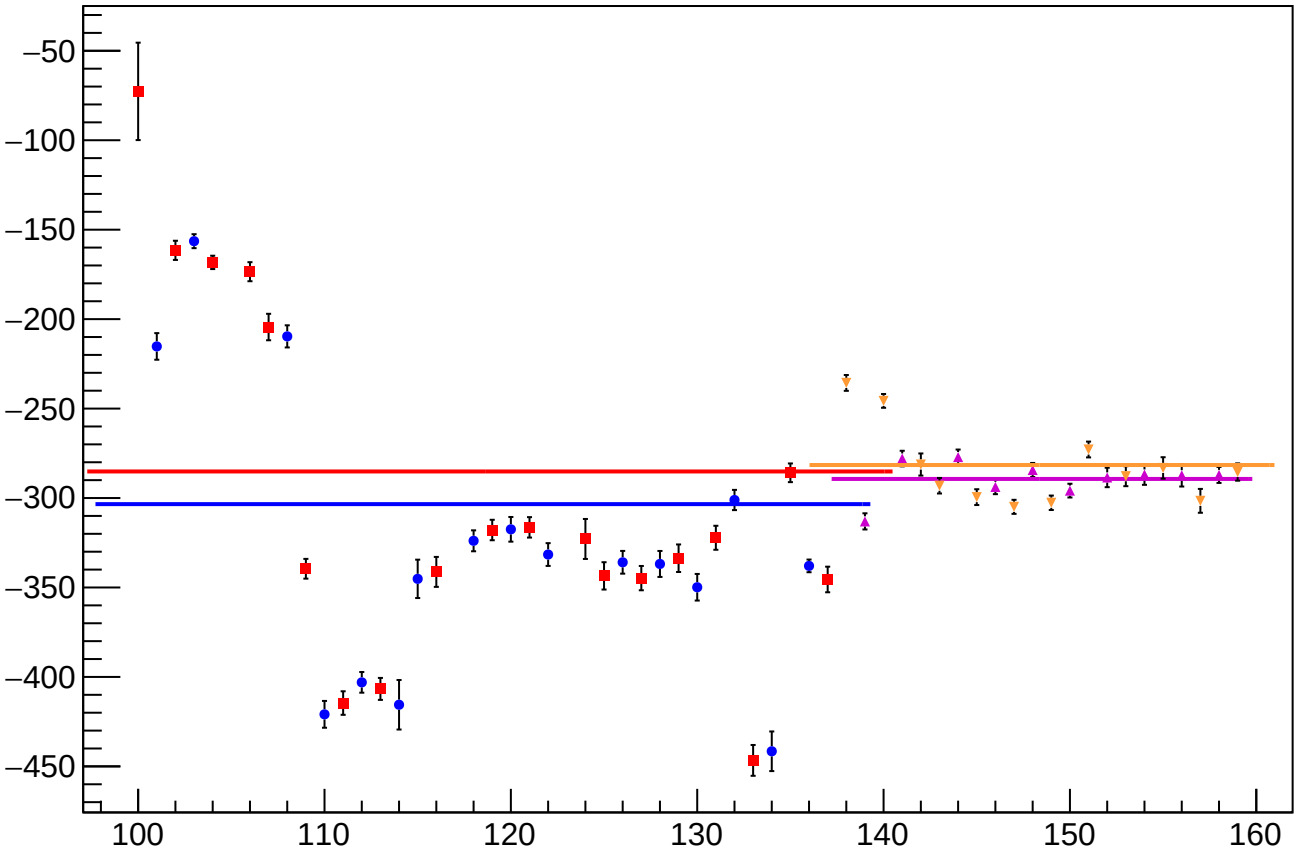
Left: -5.380+/-0.664 χ^2/NDF: 183.3/21

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -1.708+/-0.806 χ^2/NDF:434.5/25

Out: -1.965+/-0.755 χ^2/NDF:421.9/30

All: -1.845+/-0.551 χ^2/NDF: 856.5/56



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -281.549+/-1.347 χ^2/NDF:295.4/11

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.326+/-1.428 χ^2/NDF:49.1/9

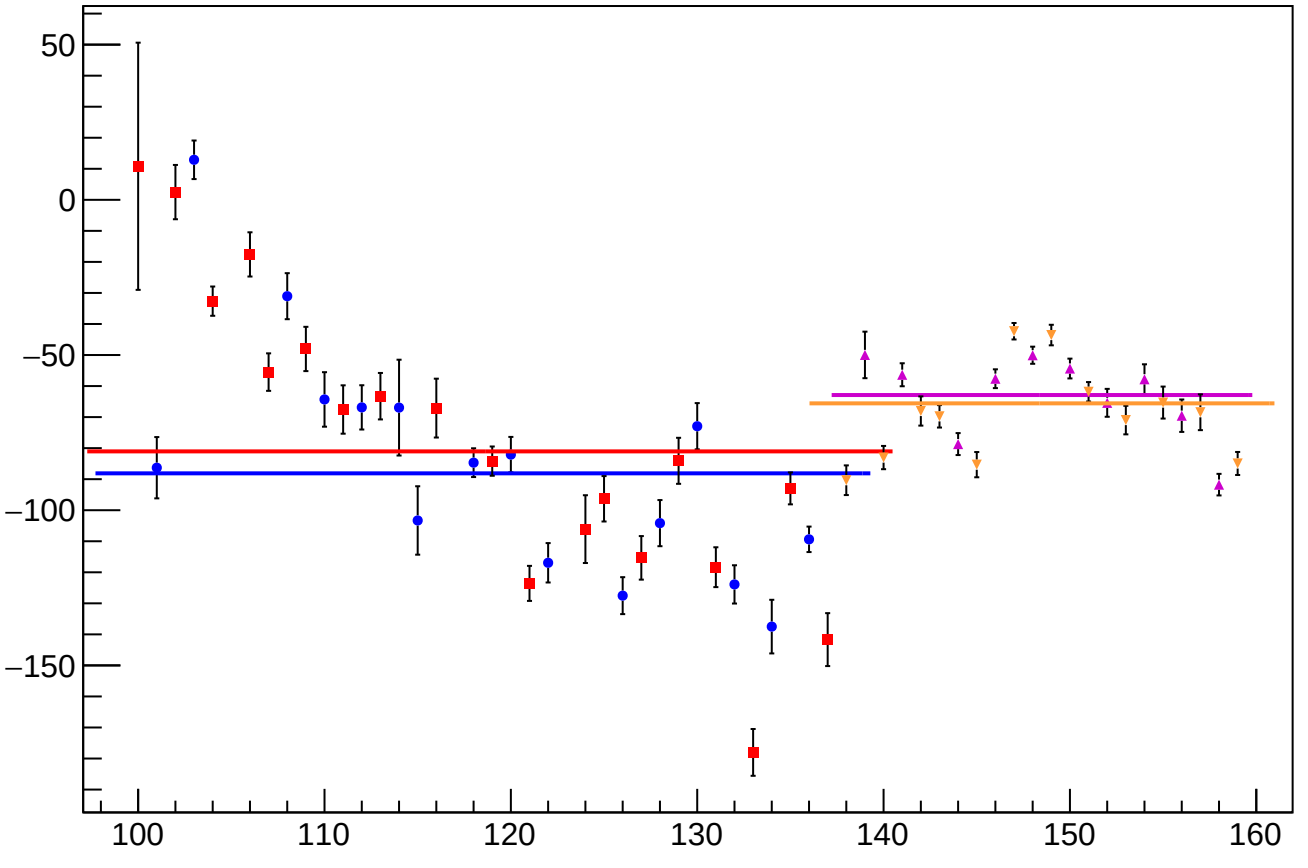
Left: -285.208+/-0.980 χ^2/NDF: 360.1/21

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -295.883+/-1.044 χ^2/NDF:2879.8/25

Out: -283.214+/-0.987 χ^2/NDF:4053.5/30

All: -289.193+/-0.717 χ^2/NDF: 7011.1/56



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -65.572+/-1.104 χ^2/NDF:225.0/11

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -62.890+/-1.177 χ^2/NDF:129.9/9

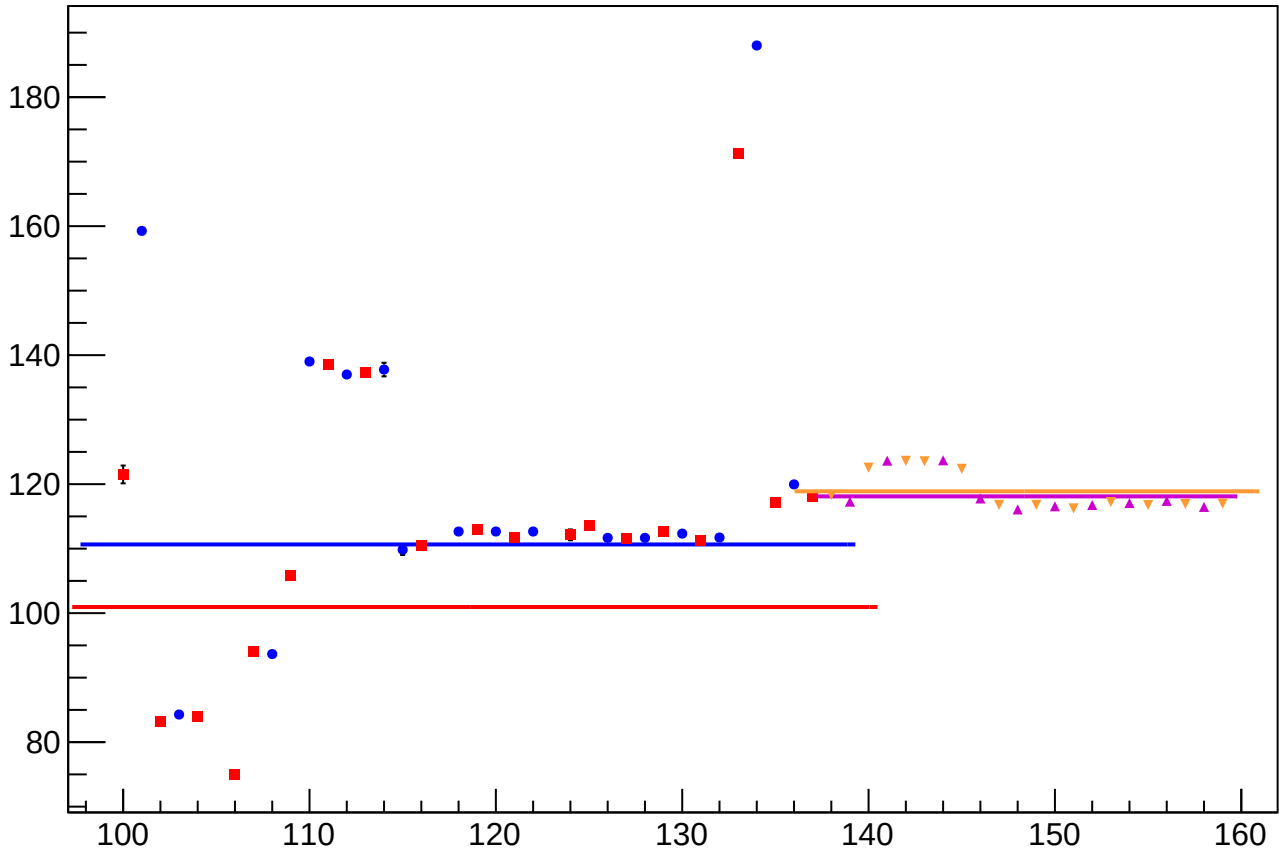
Left: -64.317+/-0.806 χ^2/NDF: 357.6/21

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -71.368+/-0.959 χ^2/NDF:796.1/25

Out: -70.700+/-0.903 χ^2/NDF:967.5/30

All: -71.013+/-0.658 χ^2/NDF: 1763.9/56



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.890+/-0.053 χ^2/NDF:2796.9/11

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 118.104+/-0.055 χ^2/NDF:2327.8/9

Left: 118.511+/-0.038 χ^2/NDF: 5229.9/21

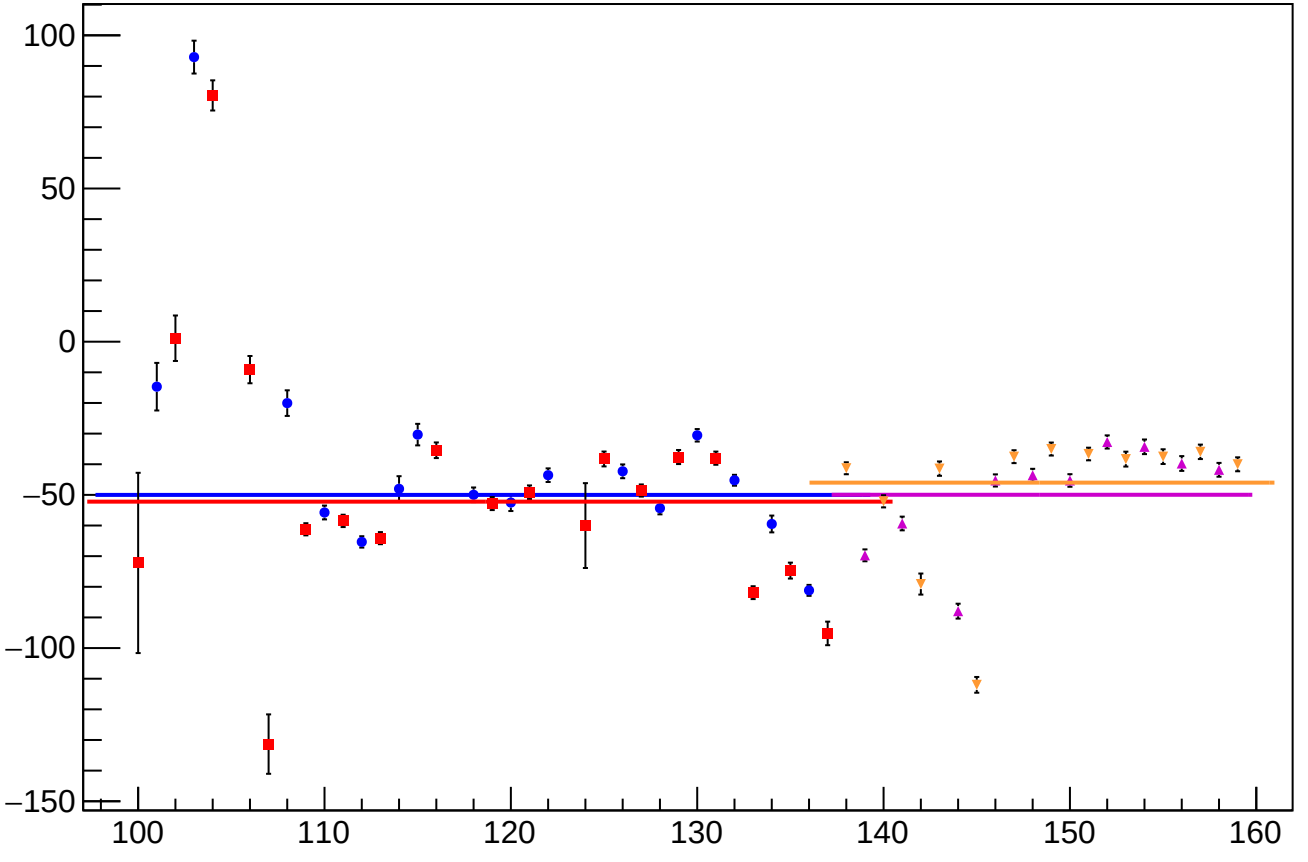
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.931+/-0.046 χ^2/NDF:91192.7/25

Out: 113.475+/-0.044 χ^2/NDF:99076.9/30

All: 114.653+/-0.032 χ^2/NDF: 191730.4/56

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: -46.002+/-0.655 χ^2/NDF:880.8/11

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -49.966+/-0.689 χ^2/NDF:522.9/9

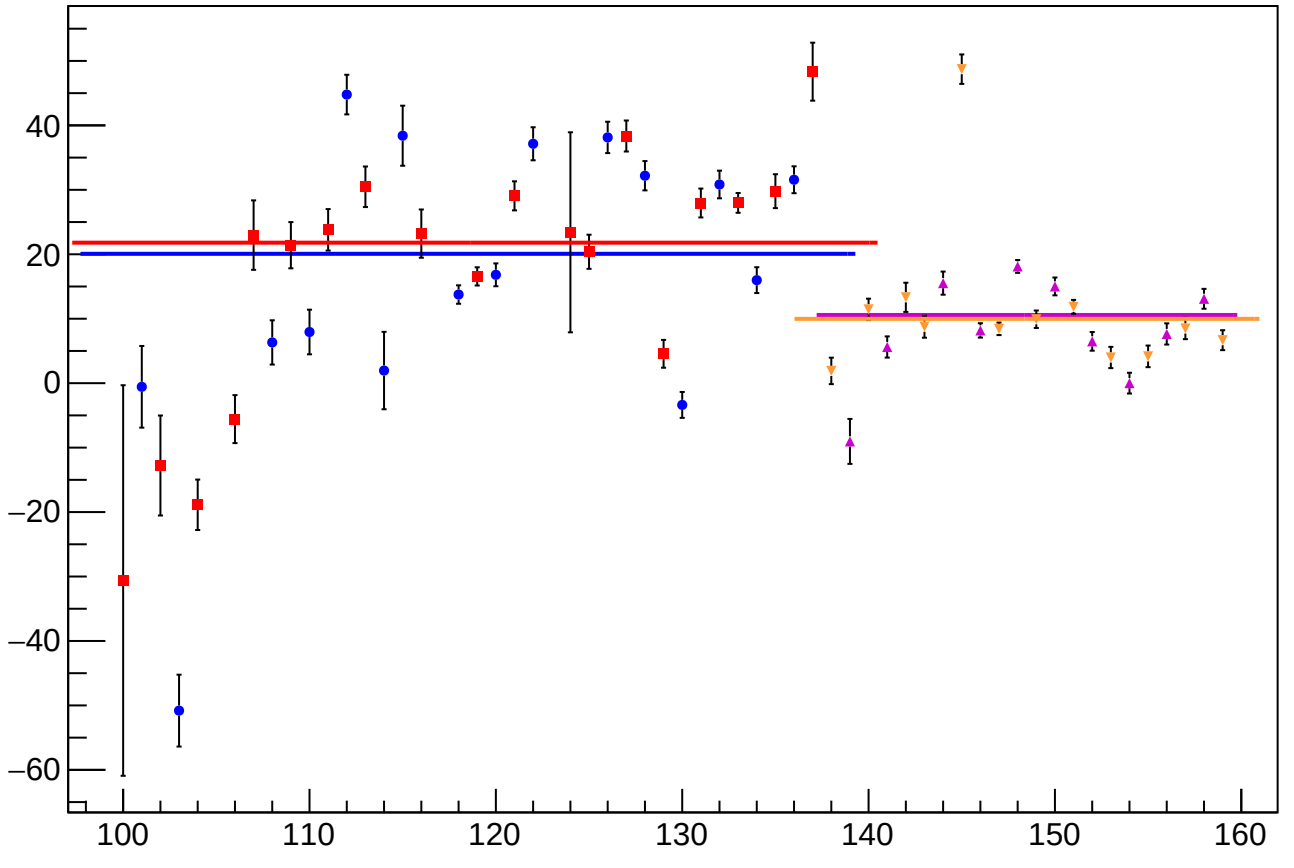
Left: -47.885+/-0.475 χ^2/NDF: 1421.1/21

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -49.989+/-0.457 χ^2/NDF:1850.3/25

Out: -49.352+/-0.445 χ^2/NDF:2499.5/30

All: -49.662+/-0.319 χ^2/NDF: 4350.8/56



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.981+/-0.434 χ^2/NDF:342.5/11

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 10.583+/-0.459 χ^2/NDF:177.1/9

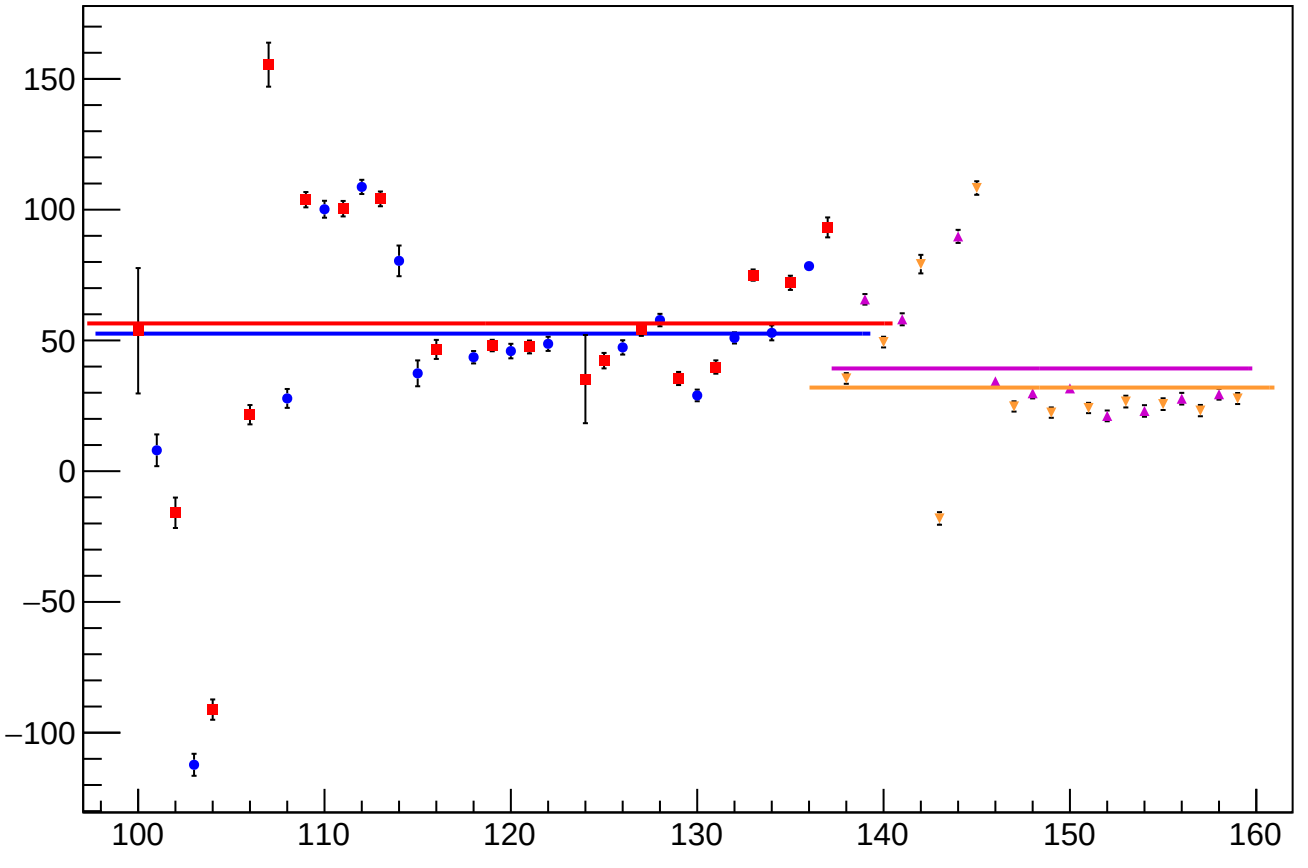
Left: 10.265+/-0.316 χ^2/NDF: 520.5/21

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 14.001+/-0.367 χ^2/NDF:967.1/25

Out: 13.854+/-0.356 χ^2/NDF:981.5/30

All: 13.925+/-0.256 χ^2/NDF: 1948.7/56



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 31.975+/-0.634 χ^2/NDF:1634.6/11

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 39.282+/-0.664 χ^2/NDF:871.0/9

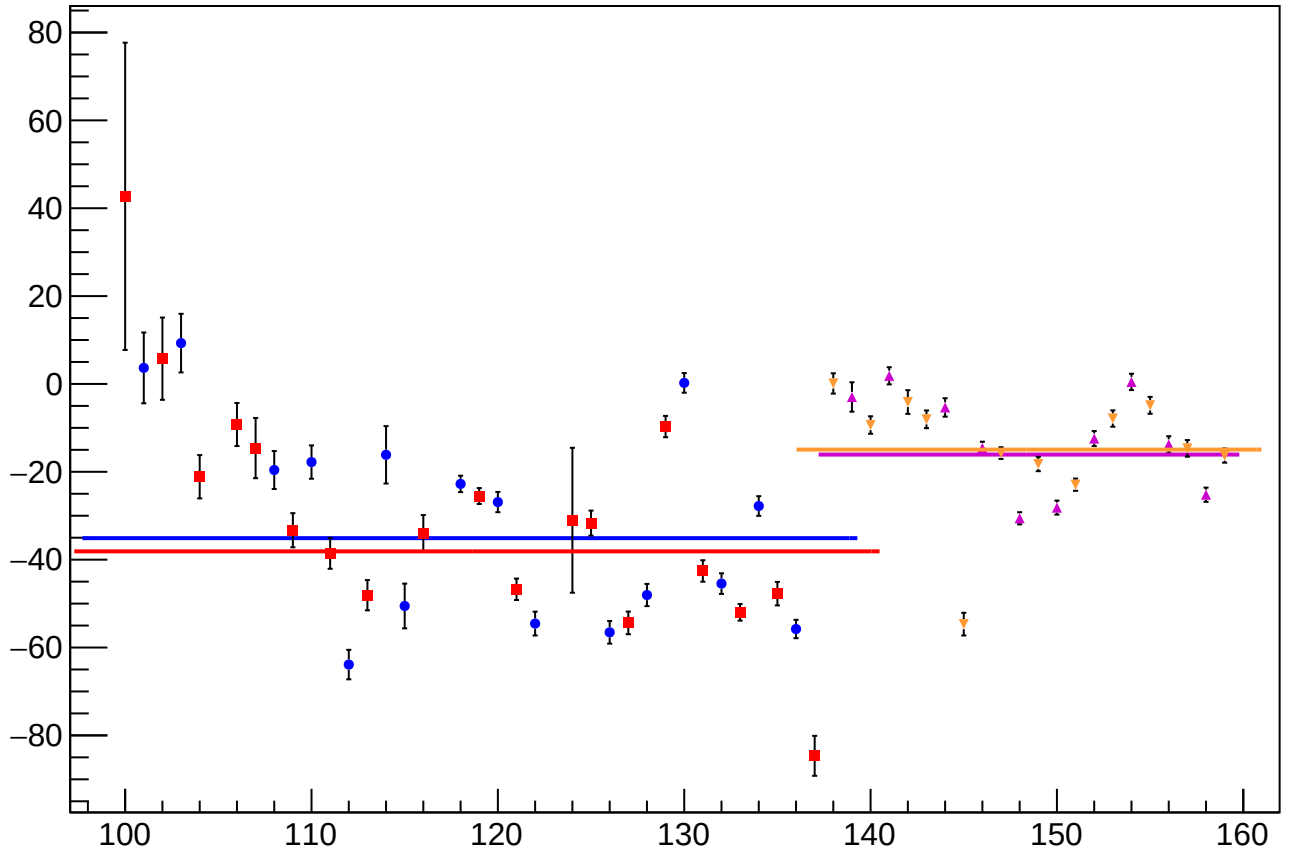
Left: 35.463+/-0.459 χ^2/NDF: 2568.9/21

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 45.624+/-0.480 χ^2/NDF:3722.2/25

Out: 42.940+/-0.472 χ^2/NDF:5268.3/30

All: 44.257+/-0.337 χ^2/NDF: 9006.4/56



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.944+/-0.524 χ^2/NDF:394.1/11

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -16.077+/-0.552 χ^2/NDF:410.4/9

Left: -15.481+/-0.380 χ^2/NDF: 806.8/21

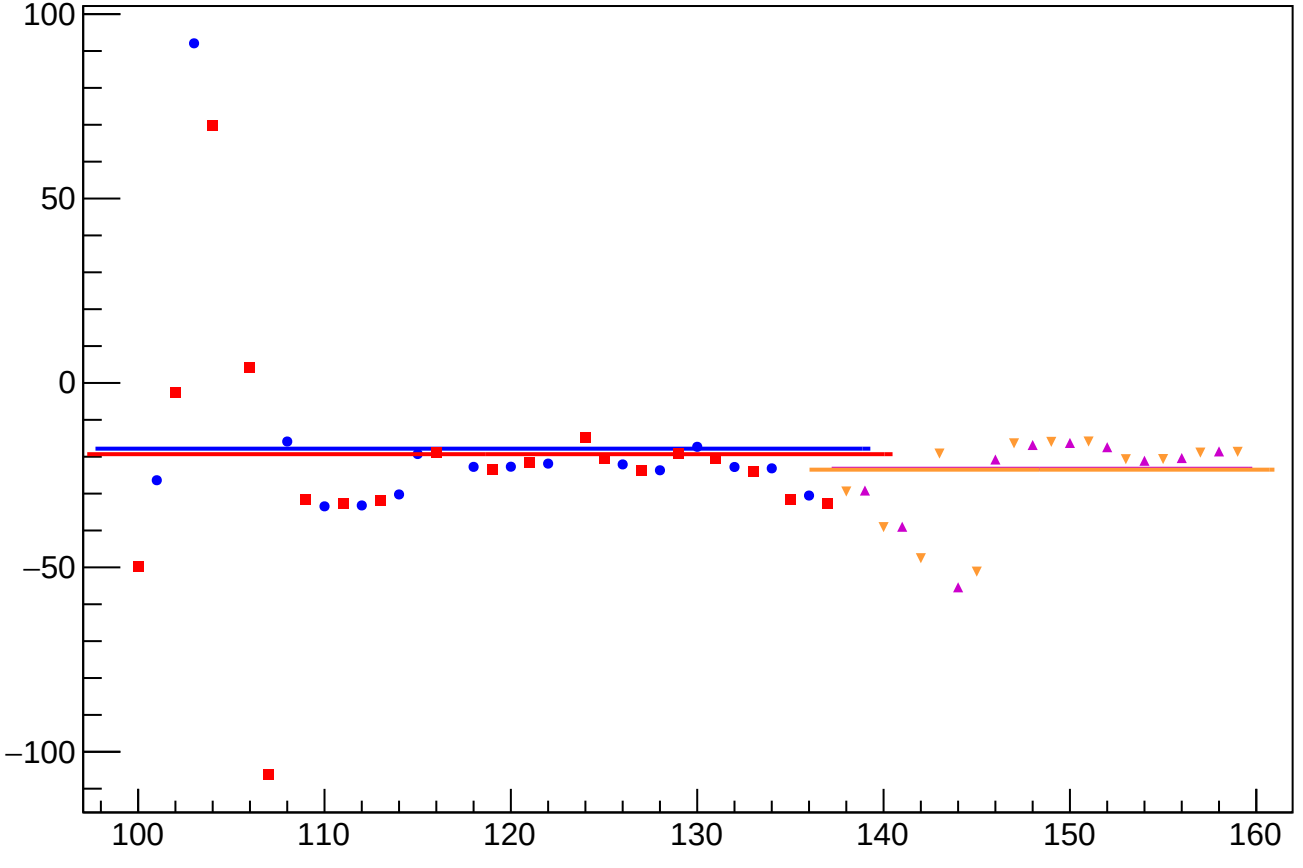
Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -23.368+/-0.433 χ^2/NDF:1639.2/25

Out: -23.054+/-0.422 χ^2/NDF:1593.1/30

All: -23.207+/-0.302 χ^2/NDF: 3232.5/56

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -23.509+/-0.024 χ^2/NDF:173490.7/11

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -23.258+/-0.025 χ^2/NDF:145236.0/9

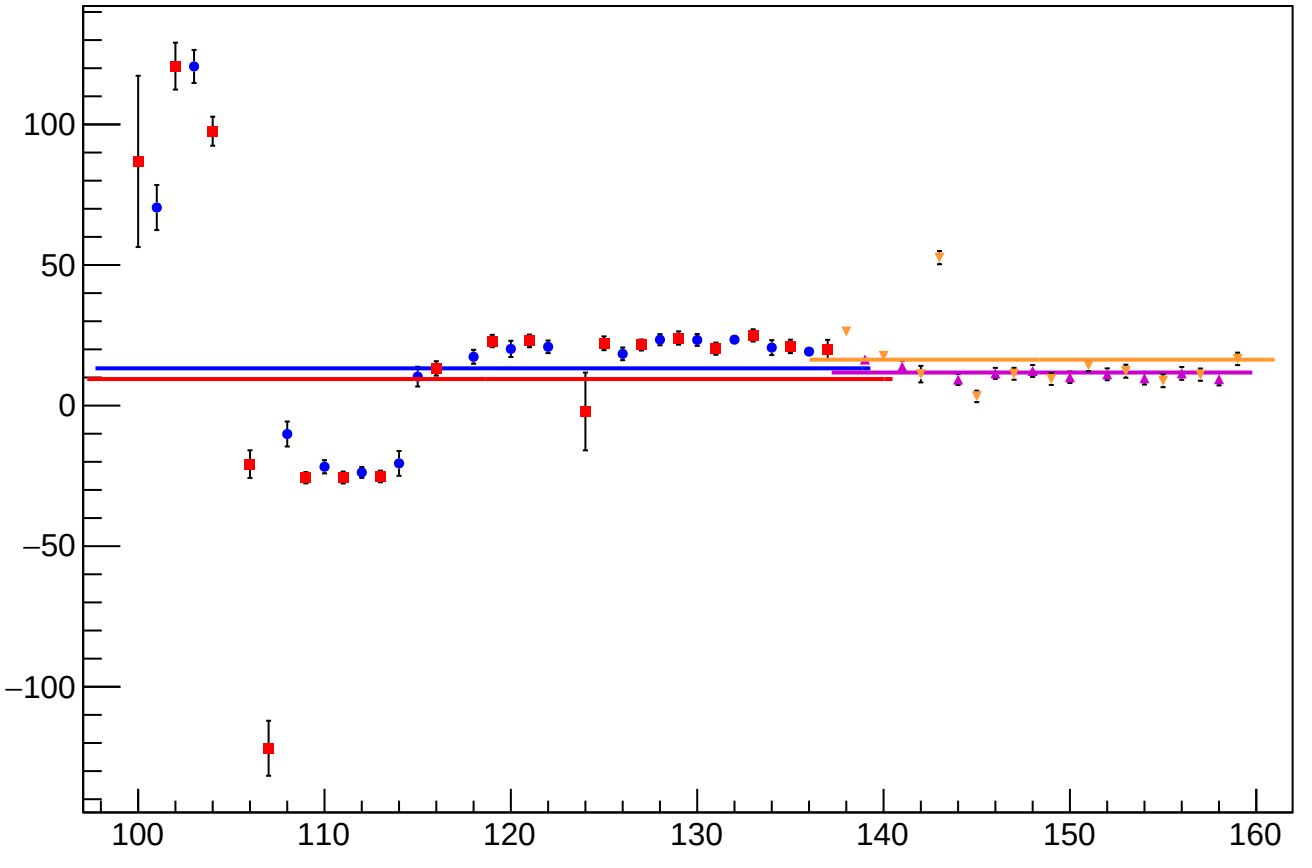
Left: -23.387+/-0.017 χ^2/NDF: 318778.8/21

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.900+/-0.022 χ^2/NDF:583227.6/25

Out: -22.599+/-0.021 χ^2/NDF:524616.3/30

All: -22.251+/-0.015 χ^2/NDF: 1108370.5/56



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.334+/-0.615 χ^2/NDF:349.3/11

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 11.763+/-0.647 χ^2/NDF:12.8/9

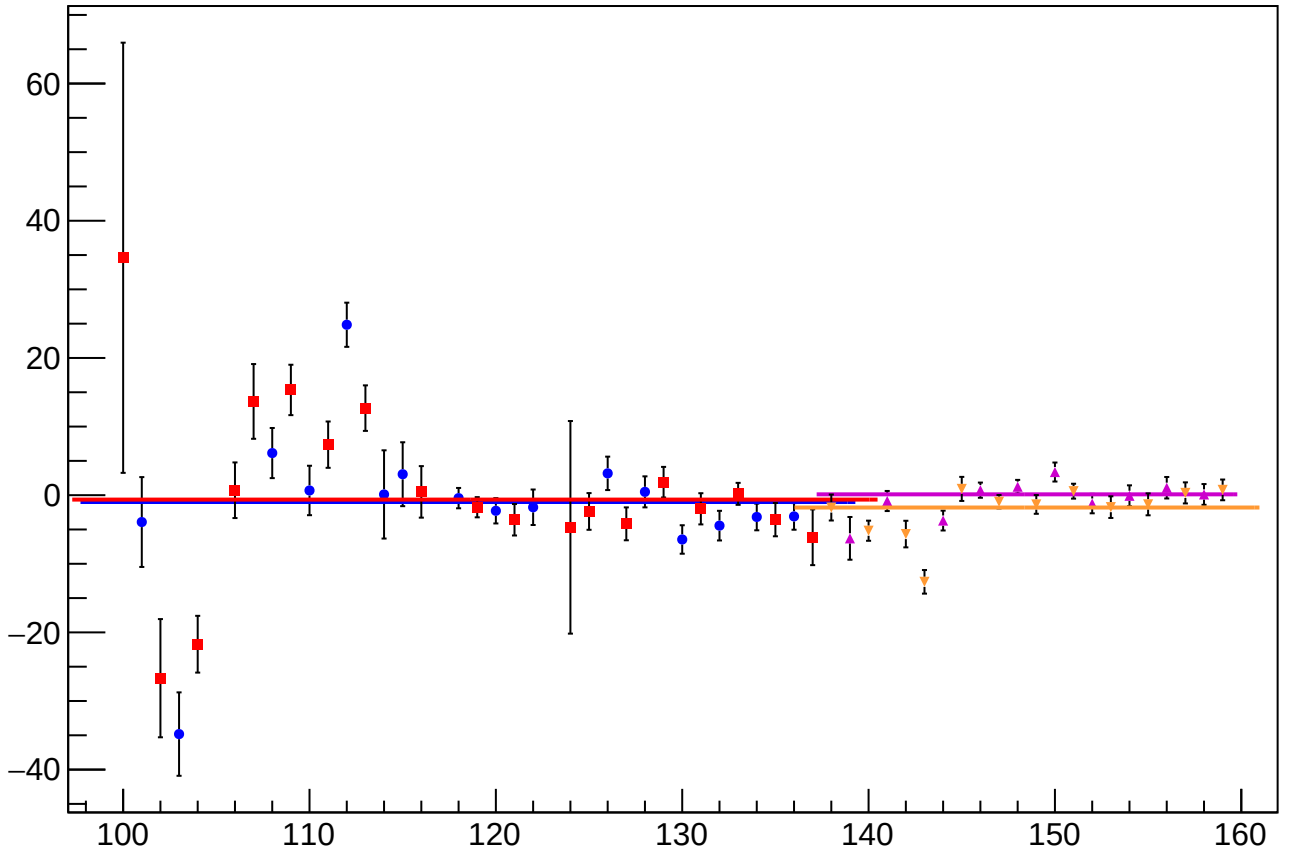
Left: 14.162+/-0.446 χ^2/NDF: 388.3/21

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.544+/-0.445 χ^2/NDF:1198.0/25

Out: 12.890+/-0.435 χ^2/NDF:2248.6/30

All: 12.721+/-0.311 χ^2/NDF: 3446.9/56



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.799+/-0.416 χ^2/NDF:62.0/11

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.122+/-0.440 χ^2/NDF:20.0/9

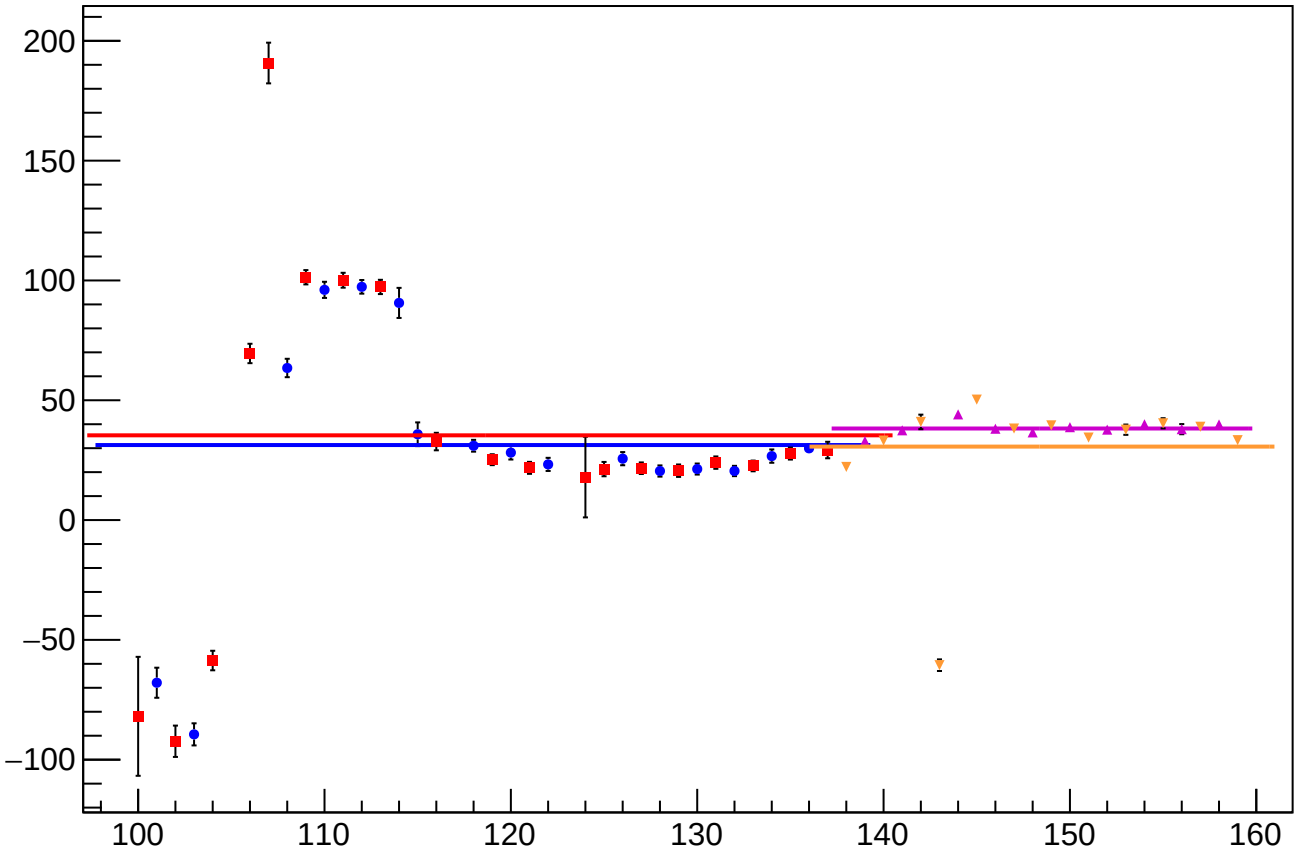
Left: -0.891+/-0.302 χ^2/NDF: 92.1/21

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.252+/-0.359 χ^2/NDF:138.5/25

Out: -1.453+/-0.348 χ^2/NDF:158.5/30

All: -0.870+/-0.250 χ^2/NDF: 302.8/56



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.662+/-0.598 χ^2/NDF:1624.8/11

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 38.211+/-0.626 χ^2/NDF:19.5/9

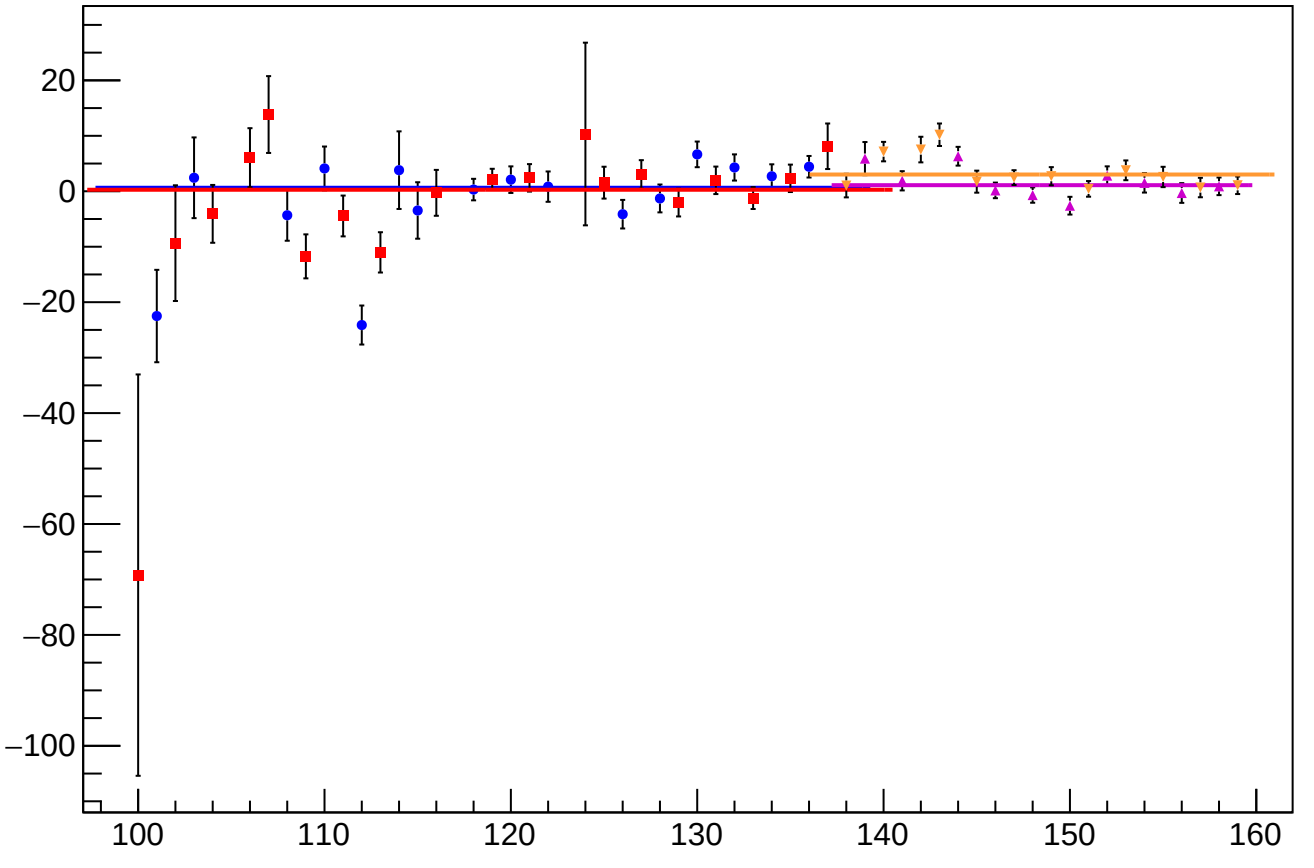
Left: 34.266+/-0.433 χ^2/NDF: 1720.4/21

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 35.144+/-0.467 χ^2/NDF:2159.4/25

Out: 32.593+/-0.459 χ^2/NDF:4547.9/30

All: 33.849+/-0.327 χ^2/NDF: 6722.5/56



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.022+/-0.500 χ^2/NDF:30.3/11

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.099+/-0.526 χ^2/NDF:21.5/9

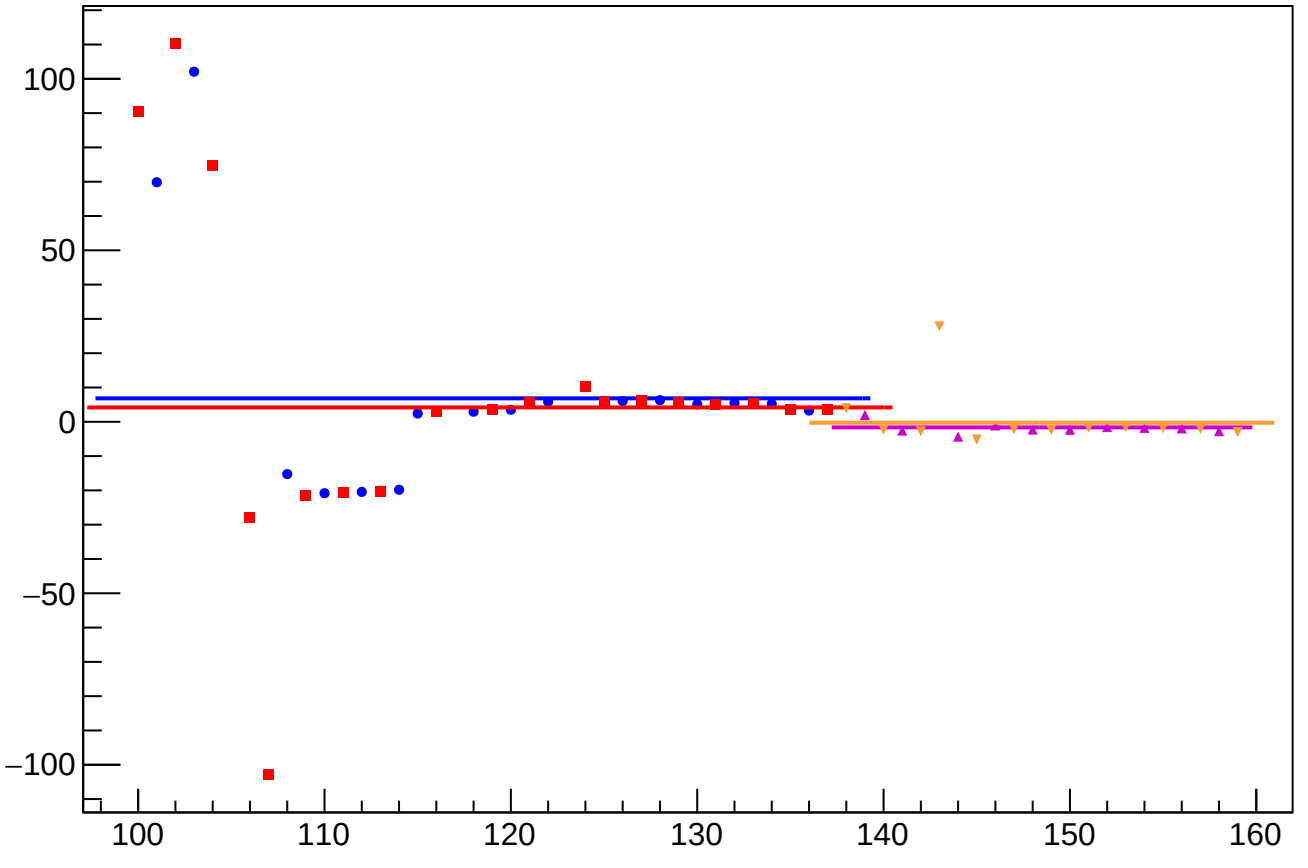
Left: 2.111+/-0.362 χ^2/NDF: 58.8/21

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.932+/-0.422 χ^2/NDF:100.2/25

Out: 2.139+/-0.412 χ^2/NDF:80.5/30

All: 1.550+/-0.295 χ^2/NDF: 184.9/56



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.263+/-0.023 χ^2/NDF:90208.5/11

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.630+/-0.024 χ^2/NDF:4665.0/9

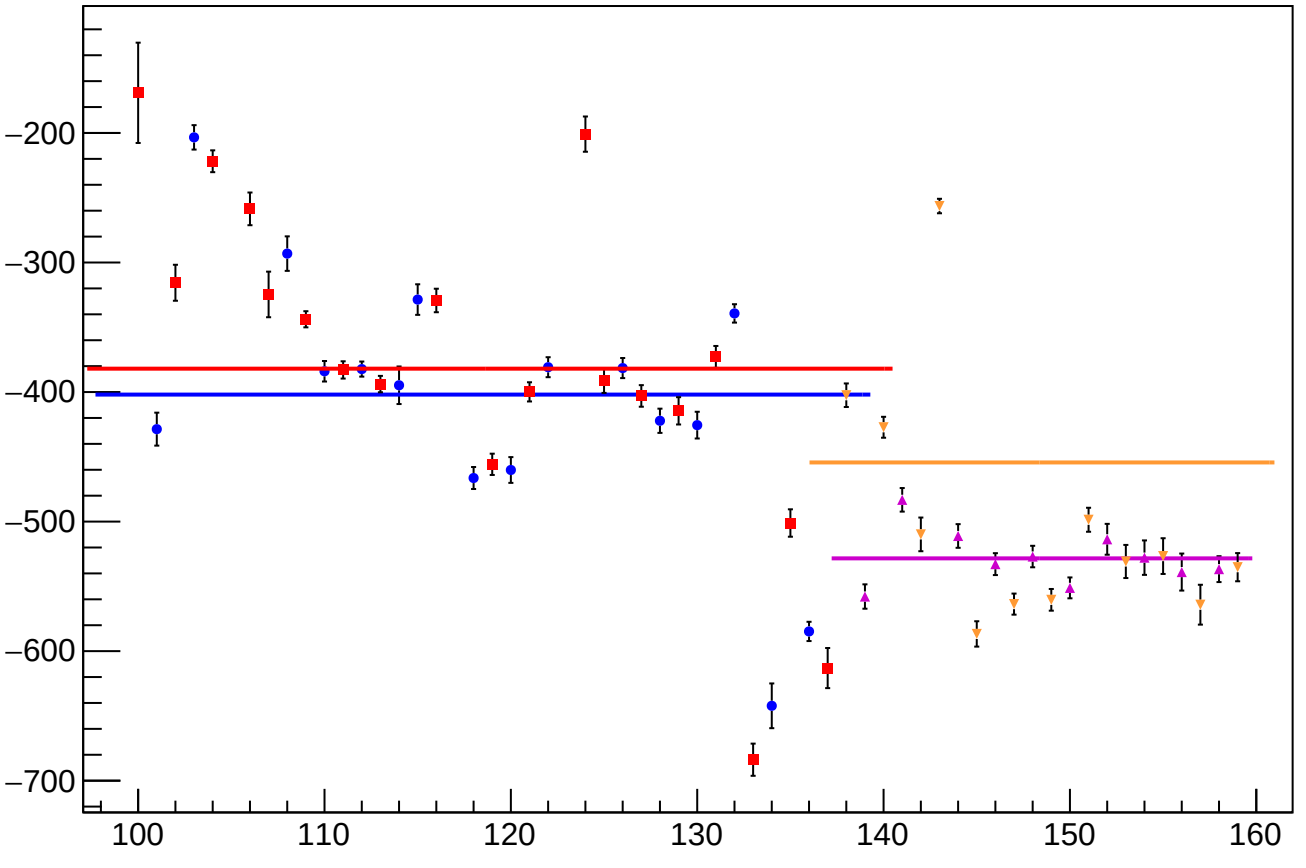
Left: -0.925+/-0.016 χ^2/NDF: 96607.2/21

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.339+/-0.021 χ^2/NDF:355600.2/25

Out: 0.610+/-0.021 χ^2/NDF:532191.9/30

All: 0.476+/-0.015 χ^2/NDF: 887879.4/56



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -454.343+/-2.664 χ^2/NDF:2033.8/11

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -528.391+/-3.058 χ^2/NDF:49.1/9

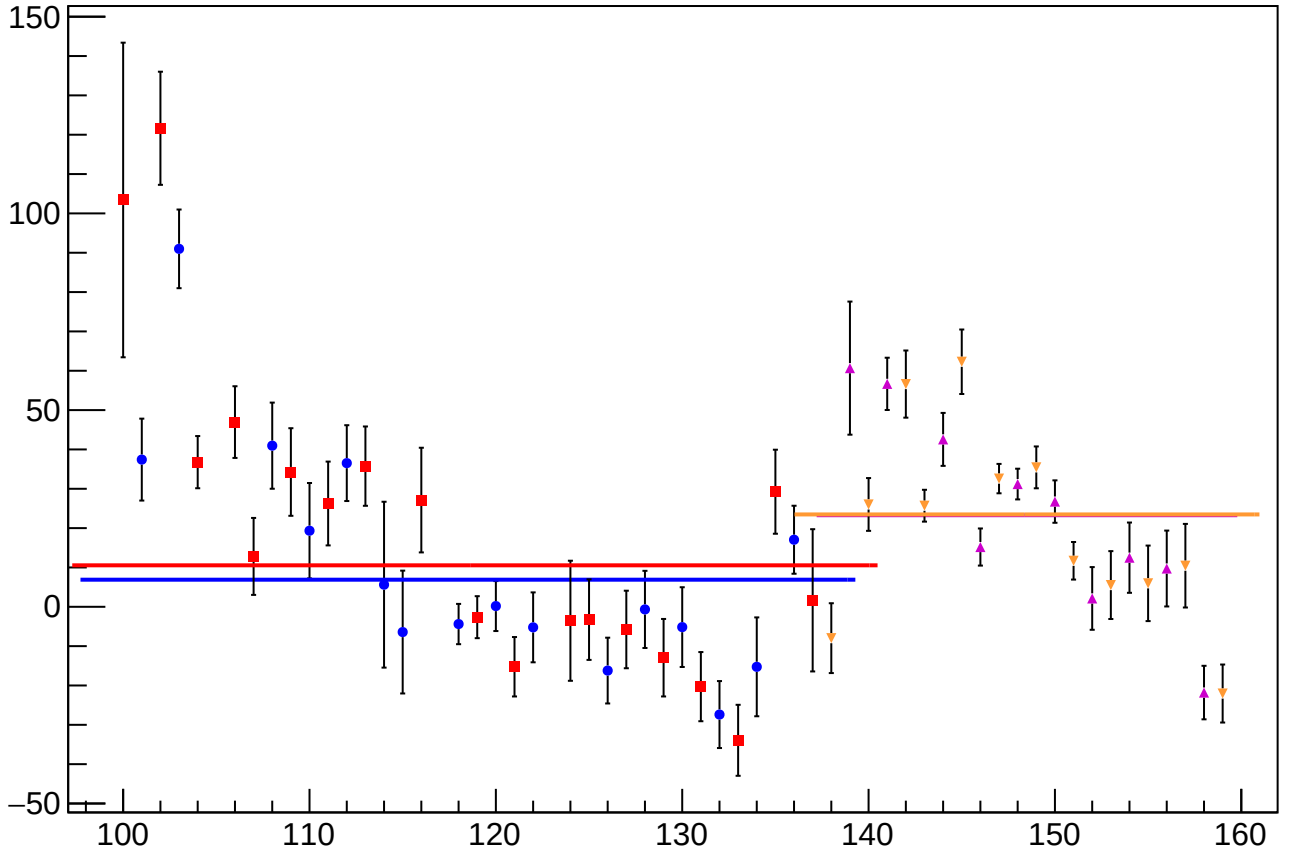
Left: -486.298+/-2.009 χ^2/NDF: 2416.3/21

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -446.014+/-1.805 χ^2/NDF:2726.4/25

Out: -410.088+/-1.661 χ^2/NDF:4302.6/30

All: -426.561+/-1.222 χ^2/NDF: 7243.5/56



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 23.479+/-1.749 χ^2/NDF:114.9/11

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 23.279+/-1.985 χ^2/NDF:100.2/9

Left: 23.392+/-1.312 χ^2/NDF: 215.1/21

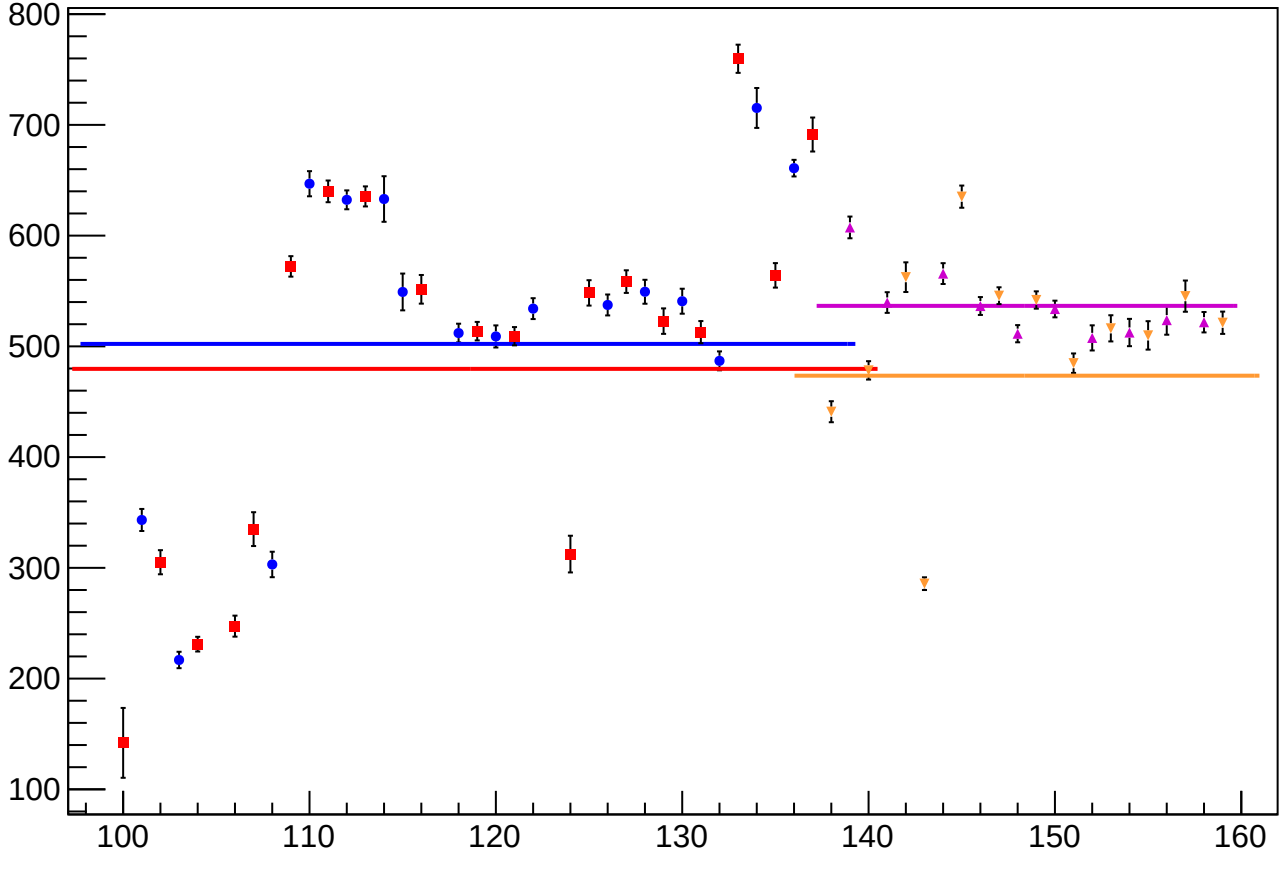
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 16.156+/-1.493 χ^2/NDF:268.3/25

Out: 18.462+/-1.368 χ^2/NDF:316.1/30

All: 17.409+/-1.009 χ^2/NDF: 585.7/56

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: 473.516+/-2.615 χ^2/NDF:1623.7/11

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 536.575+/-2.954 χ^2/NDF:86.3/9

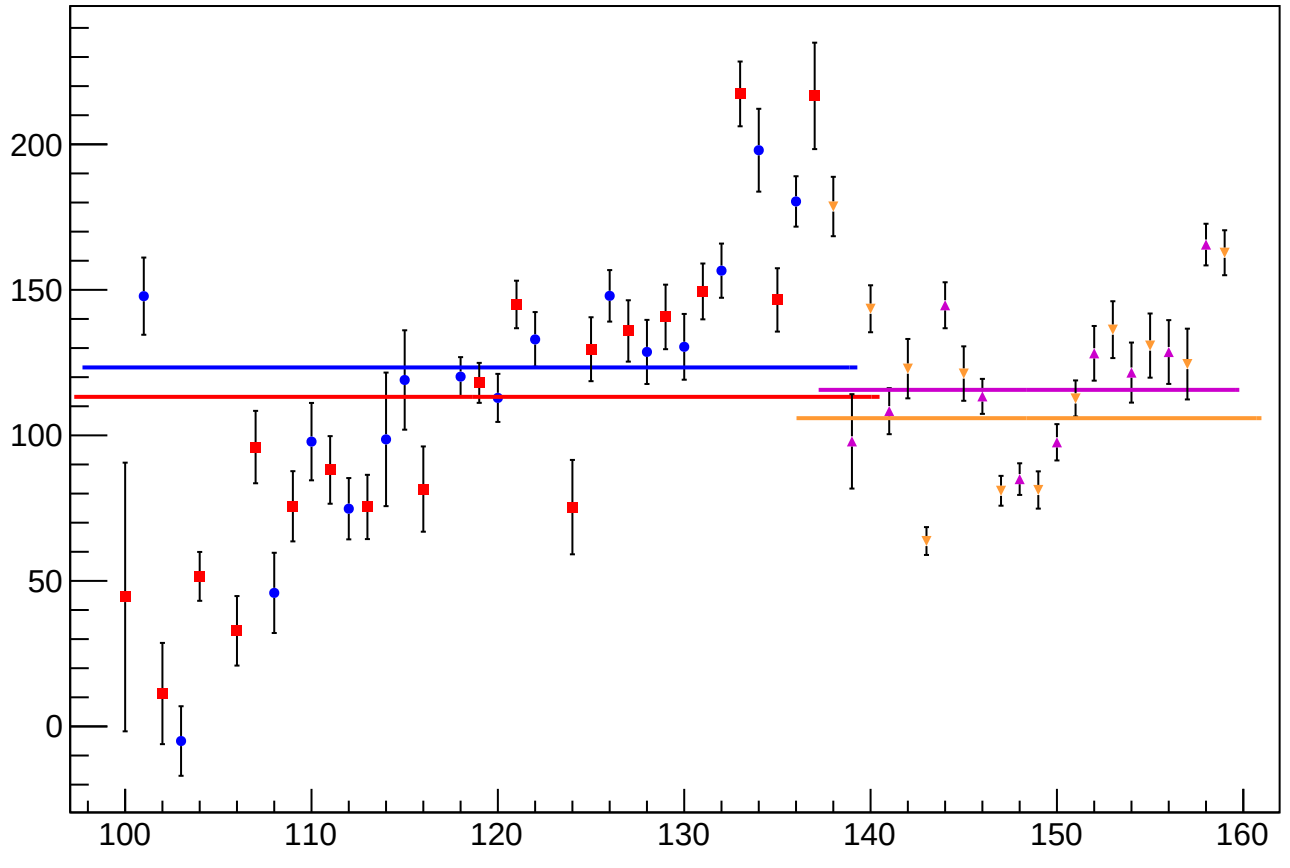
Left: 501.230+/-1.958 χ^2/NDF: 1965.5/21

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.508+/-1.905 χ^2/NDF:3300.6/25

Out: 476.863+/-1.768 χ^2/NDF:5765.2/30

All: 495.209+/-1.296 χ^2/NDF: 9298.5/56



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 105.911+/-2.131 χ^2/NDF:266.7/11

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 115.639+/-2.414 χ^2/NDF:108.1/9

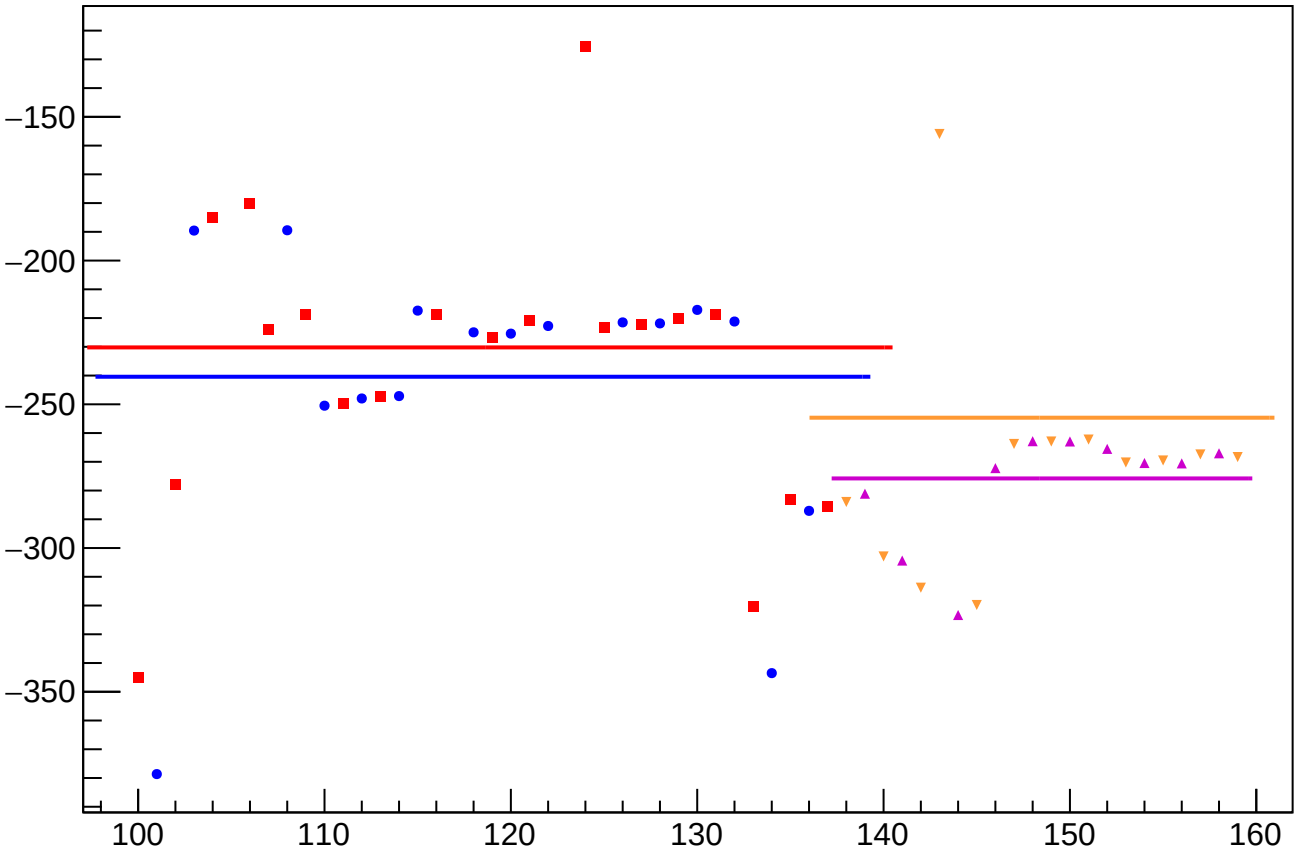
Left: 110.171+/-1.597 χ^2/NDF: 384.0/21

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 119.166+/-1.777 χ^2/NDF:384.1/25

Out: 108.929+/-1.634 χ^2/NDF:617.3/30

All: 113.617+/-1.203 χ^2/NDF: 1019.5/56



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -254.660+/-0.104 χ^2/NDF:238236.6/11

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -275.786+/-0.114 χ^2/NDF:23799.8/9

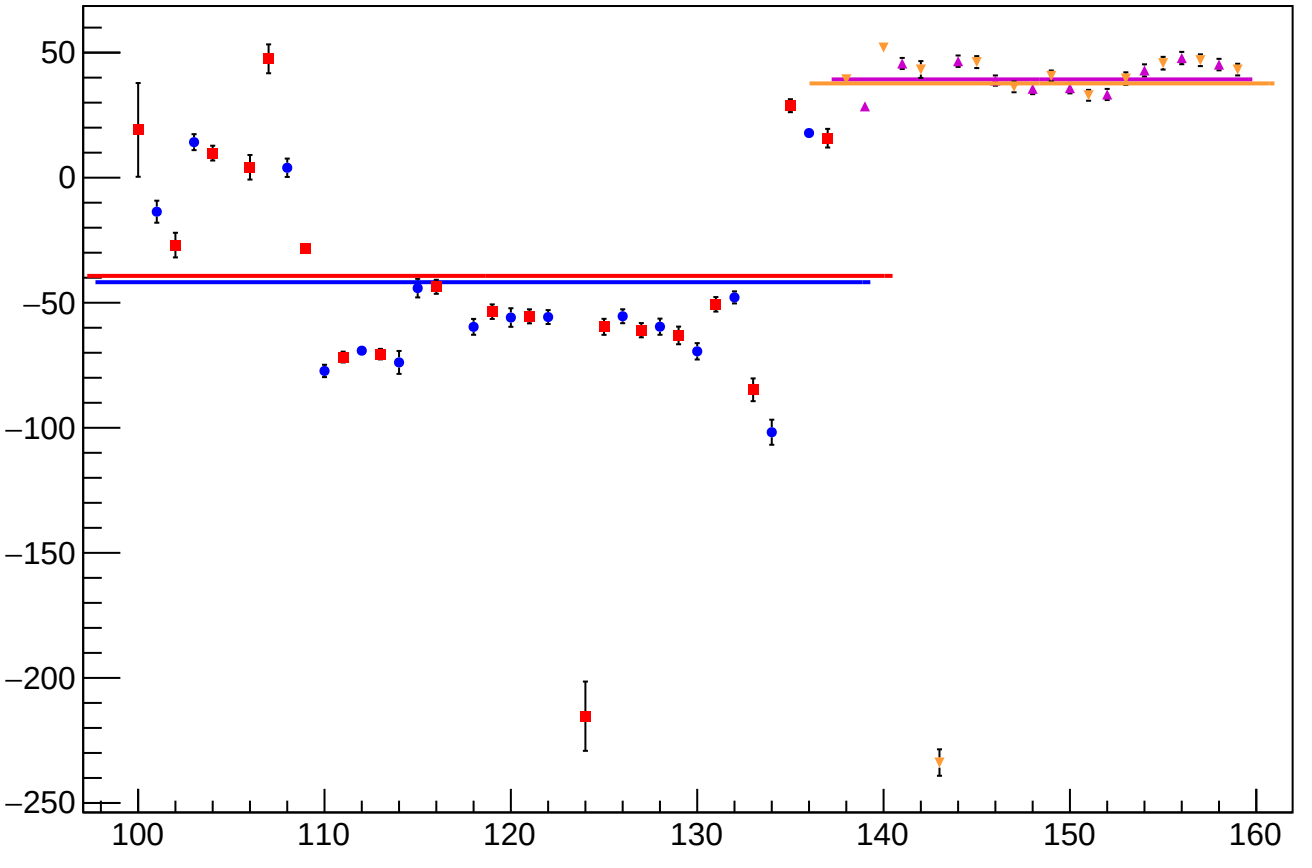
Left: -264.288+/-0.077 χ^2/NDF: 280697.3/21

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -262.889+/-0.091 χ^2/NDF:193002.9/25

Out: -246.424+/-0.085 χ^2/NDF:340145.6/30

All: -254.103+/-0.062 χ^2/NDF: 550639.7/56



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 37.688+/-0.683 χ^2/NDF:2743.4/11

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 39.290+/-0.695 χ^2/NDF:83.7/9

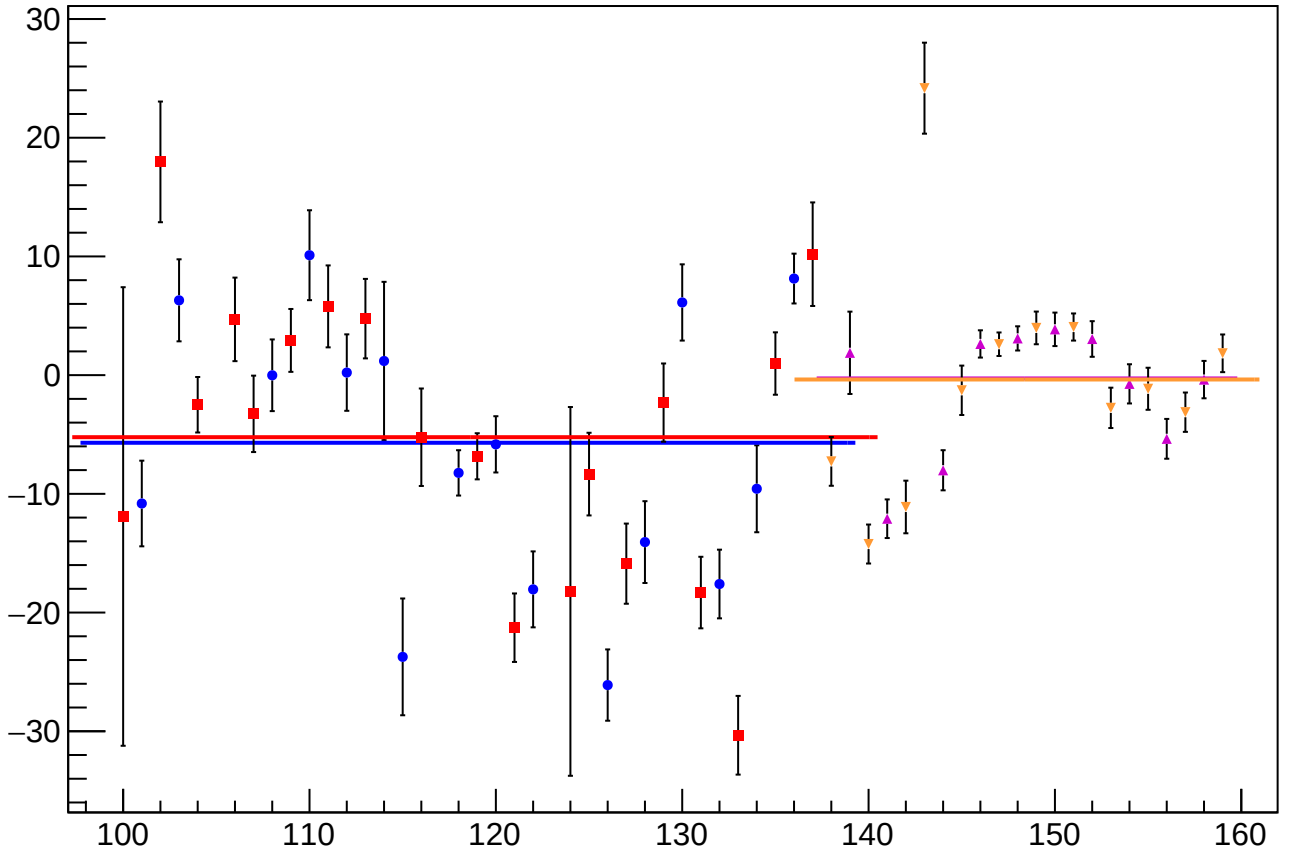
Left: 38.475+/-0.487 χ^2/NDF: 2829.8/21

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 0.336+/-0.501 χ^2/NDF:9020.3/25

Out: -0.997+/-0.482 χ^2/NDF:11596.6/30

All: -0.357+/-0.347 χ^2/NDF: 20620.6/56



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.367+/-0.454 χ^2/NDF:188.0/11

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.279+/-0.466 χ^2/NDF:114.2/9

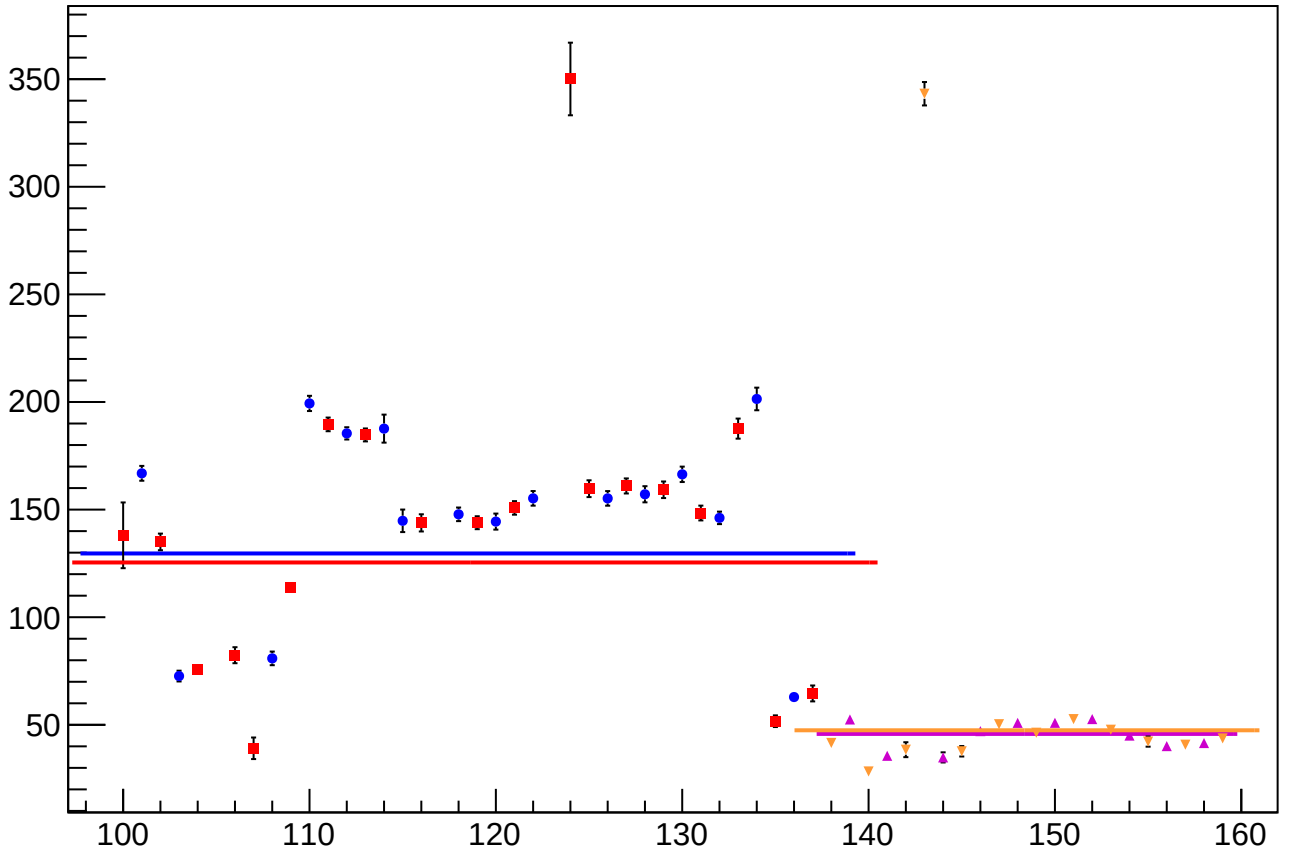
Left: -0.324+/-0.325 χ^2/NDF: 302.2/21

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -1.780+/-0.396 χ^2/NDF:348.4/25

Out: -1.697+/-0.387 χ^2/NDF:416.7/30

All: -1.737+/-0.277 χ^2/NDF: 765.1/56



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 47.461+/-0.661 χ^2/NDF:3103.7/11

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.777+/-0.671 χ^2/NDF:87.4/9

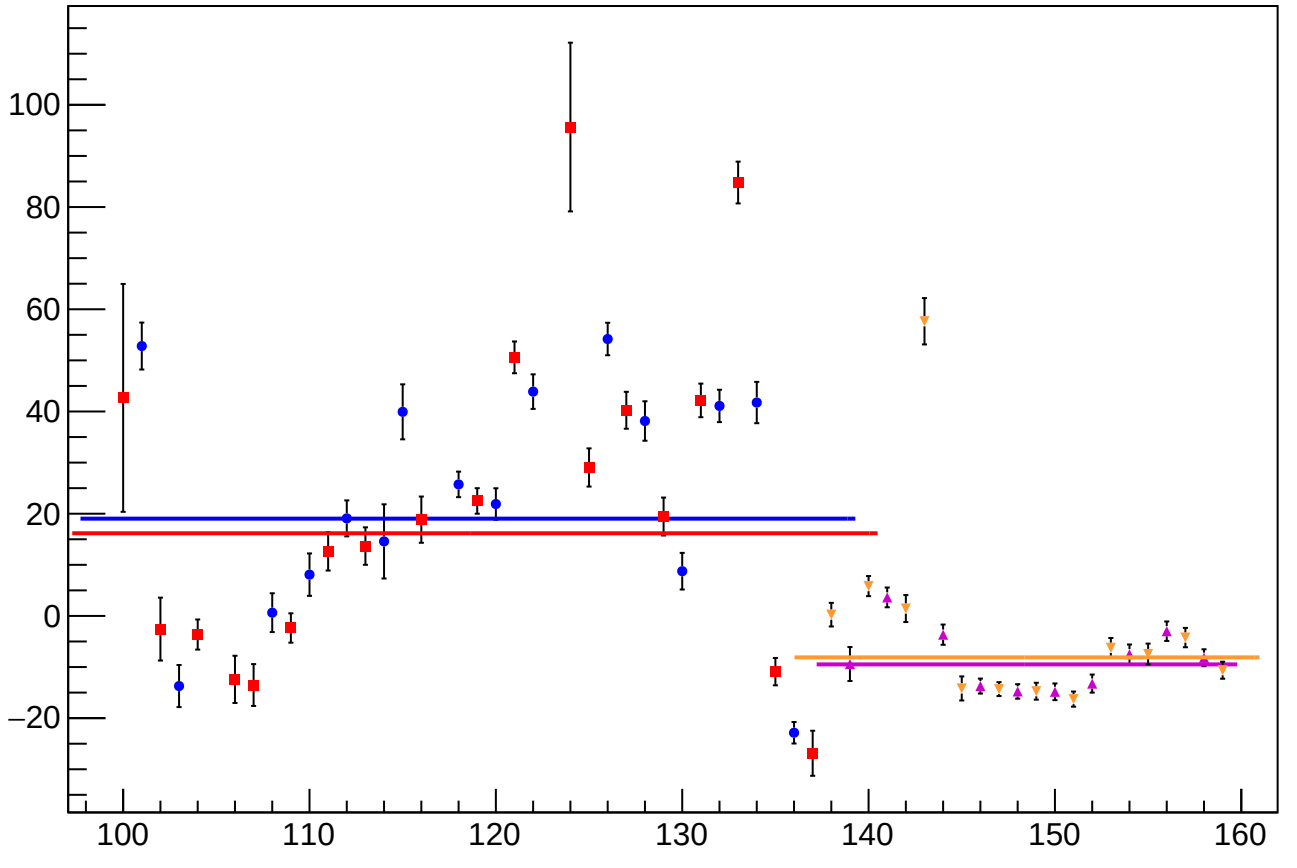
Left: 46.632+/-0.471 χ^2/NDF: 3194.3/21

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 80.386+/-0.514 χ^2/NDF:10151.8/25

Out: 79.554+/-0.507 χ^2/NDF:12342.1/30

All: 79.964+/-0.361 χ^2/NDF: 22495.2/56



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.113+/-0.548 χ^2/NDF:368.3/11

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -9.482+/-0.560 χ^2/NDF:105.7/9

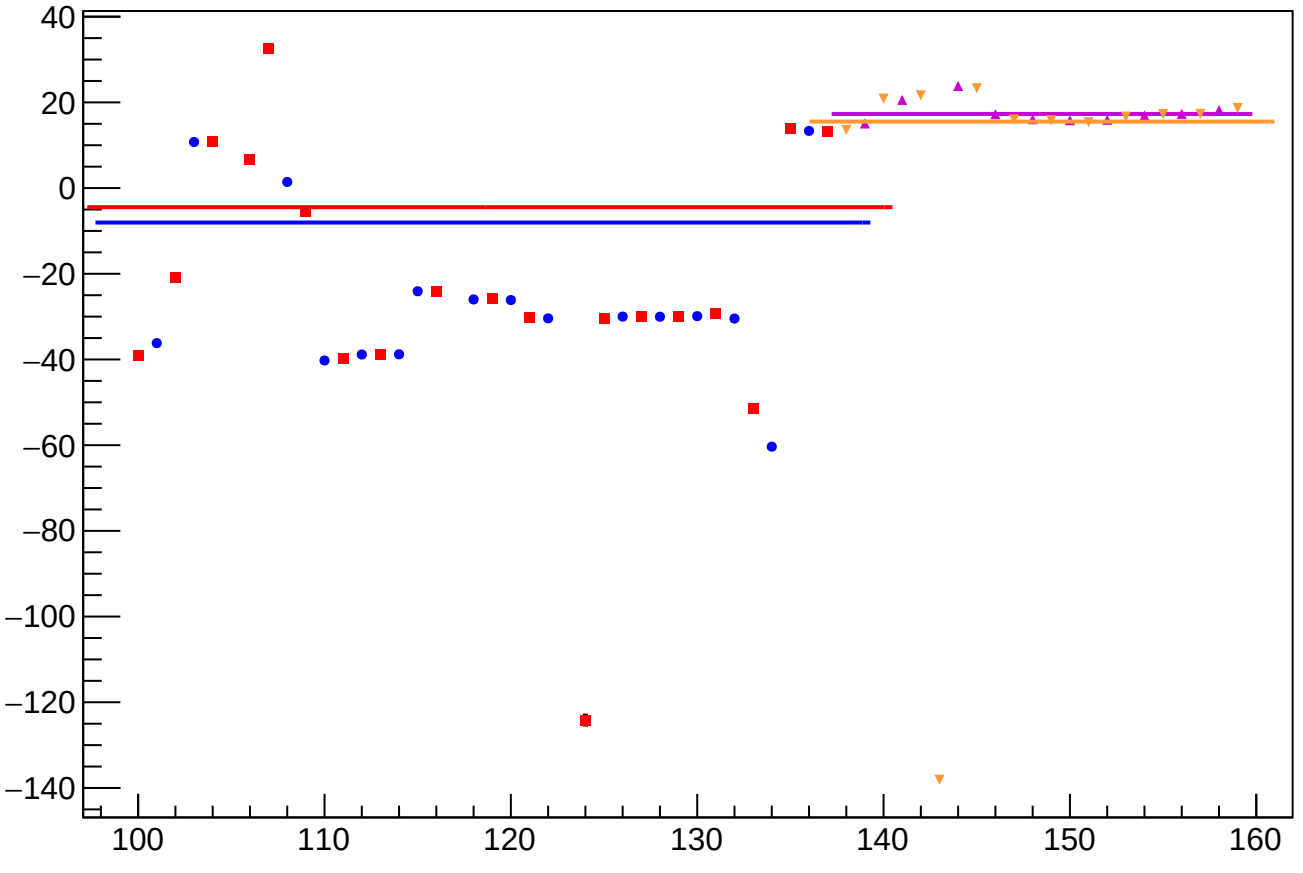
Left: -8.782+/-0.391 χ^2/NDF: 477.1/21

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -0.994+/-0.469 χ^2/NDF:1736.3/25

Out: -0.941+/-0.460 χ^2/NDF:1890.4/30

All: -0.967+/-0.328 χ^2/NDF: 3626.6/56



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.516+/-0.025 χ^2/NDF:475772.4/11

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.300+/-0.025 χ^2/NDF:7134.1/9

Left: 16.405+/-0.018 χ^2/NDF: 485409.0/21

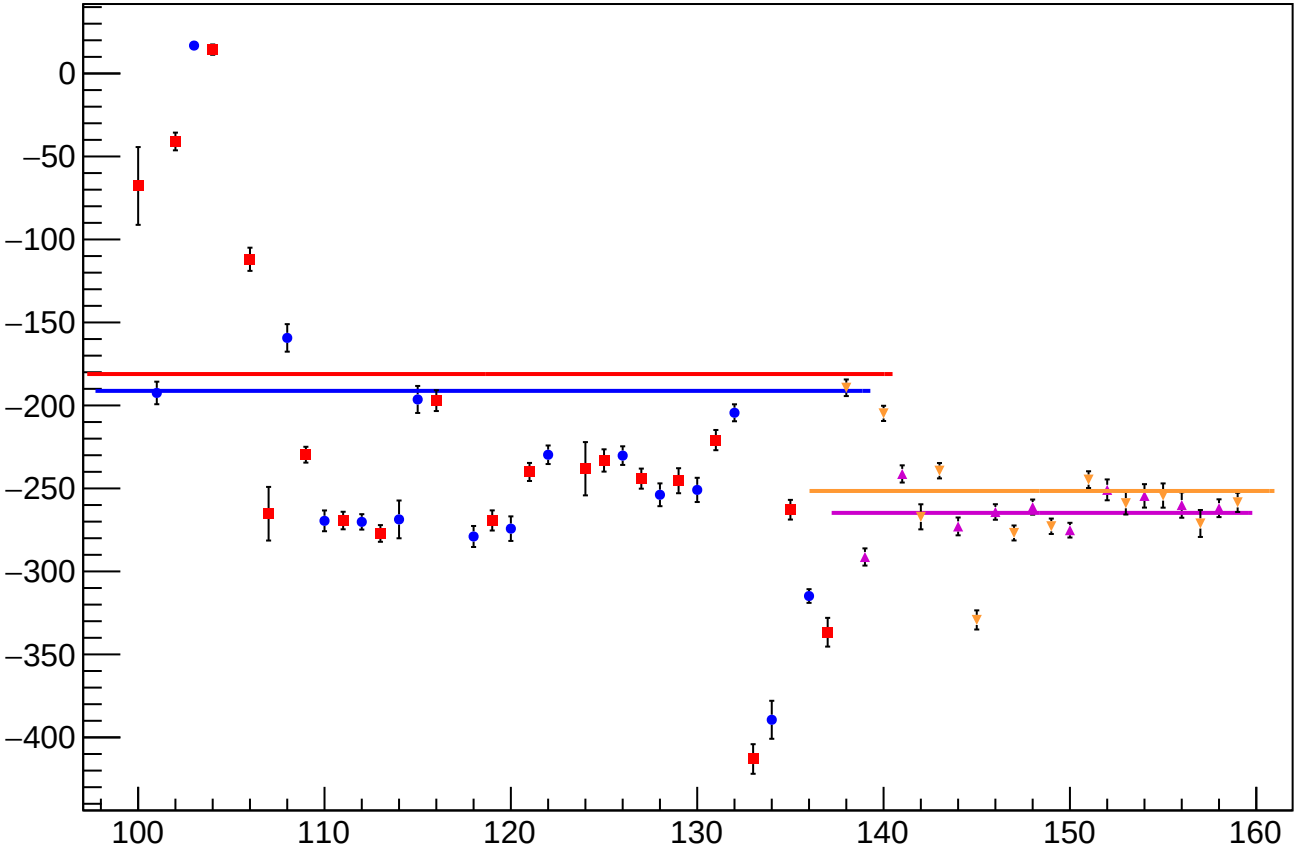
Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 11.394+/-0.022 χ^2/NDF:509463.1/25

Out: 11.029+/-0.022 χ^2/NDF:845484.9/30

All: 11.212+/-0.016 χ^2/NDF: 1355083.8/56

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -251.531+/-1.577 χ^2/NDF:514.2/11

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -264.733+/-1.687 χ^2/NDF:62.8/9

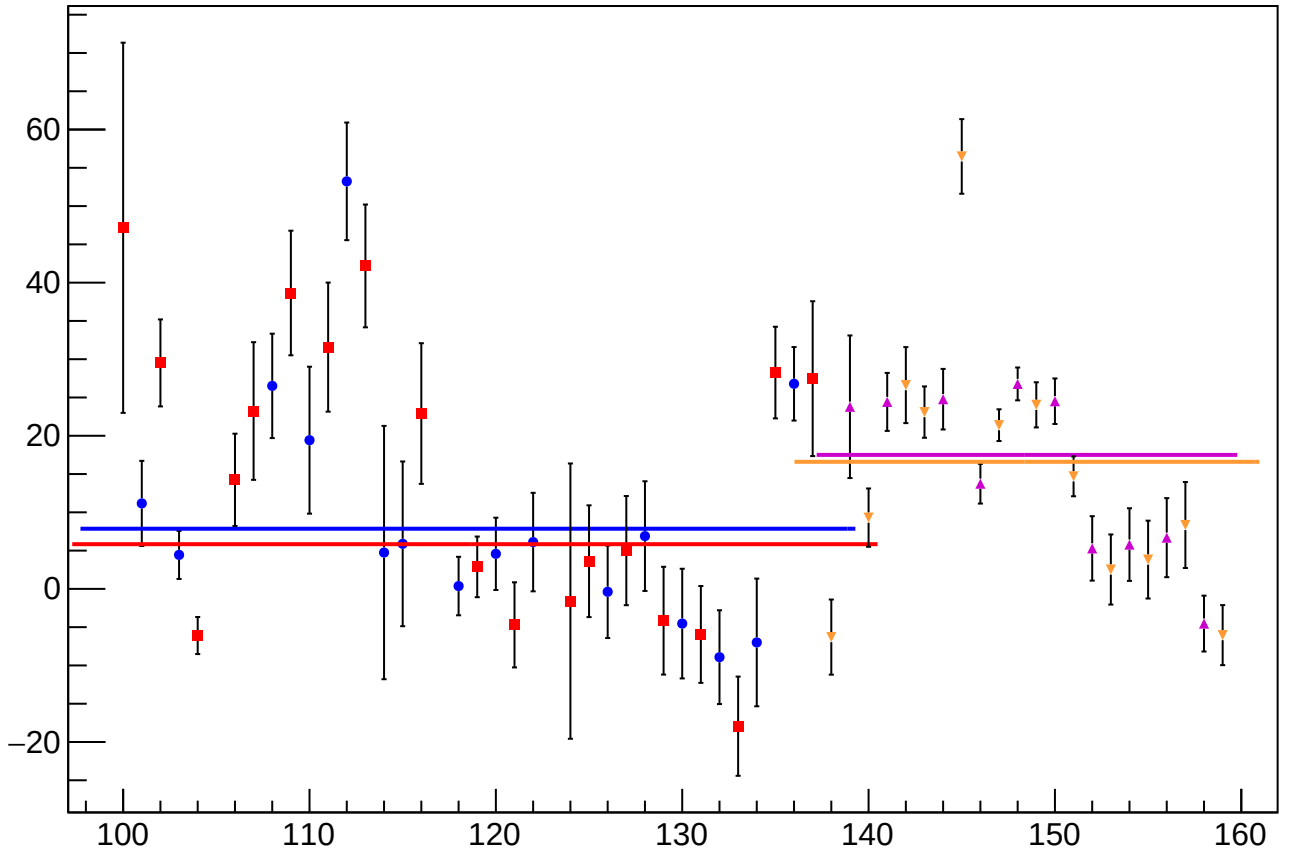
Left: -257.685+/-1.152 χ^2/NDF: 609.8/21

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -221.662+/-1.086 χ^2/NDF:8399.4/25

Out: -211.698+/-1.040 χ^2/NDF:9016.8/30

All: -216.463+/-0.751 χ^2/NDF: 17460.0/56



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 16.599+/-1.021 χ^2/NDF:163.6/11

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 17.502+/-1.093 χ^2/NDF:88.9/9

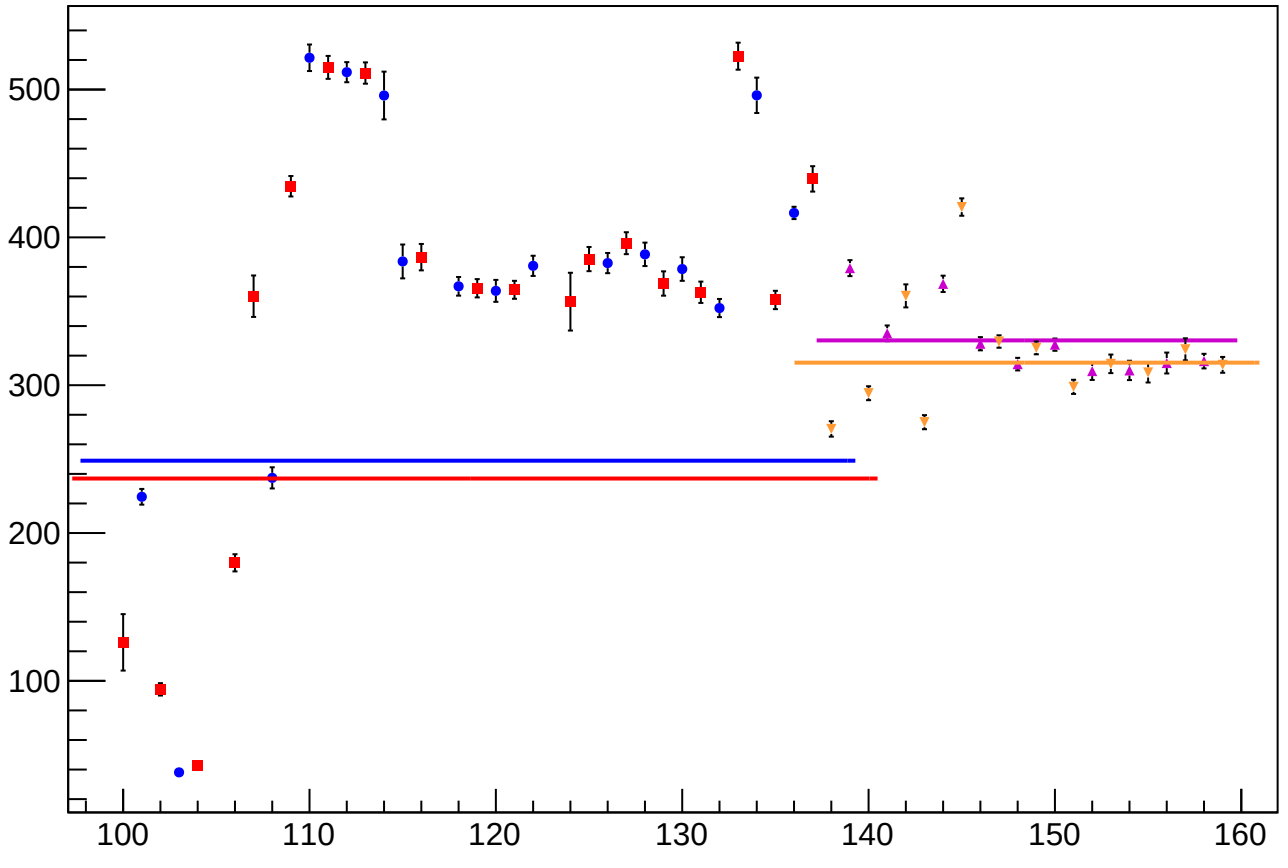
Left: 17.020+/-0.746 χ^2/NDF: 252.9/21

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 13.972+/-0.870 χ^2/NDF:198.3/25

Out: 12.705+/-0.815 χ^2/NDF:345.7/30

All: 13.298+/-0.595 χ^2/NDF: 545.2/56



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.253+/-1.535 χ^2/NDF:549.1/11

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 330.308+/-1.627 χ^2/NDF:179.9/9

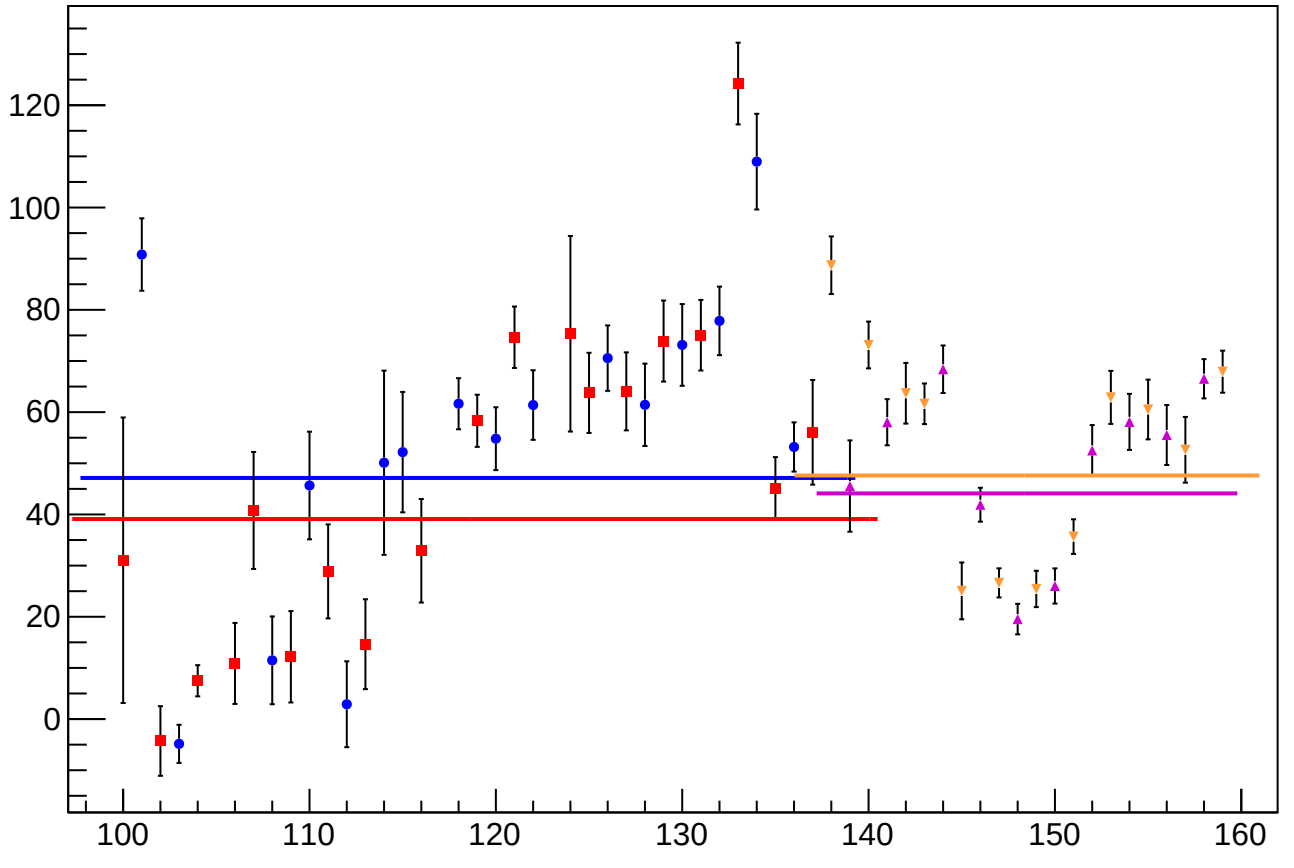
Left: 322.344+/-1.117 χ^2/NDF: 774.3/21

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 284.167+/-1.071 χ^2/NDF:16900.7/25

Out: 272.647+/-1.037 χ^2/NDF:17623.5/30

All: 278.224+/-0.745 χ^2/NDF: 34583.9/56



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 47.620+/-1.246 χ^2/NDF:265.1/11

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 44.115+/-1.328 χ^2/NDF:180.0/9

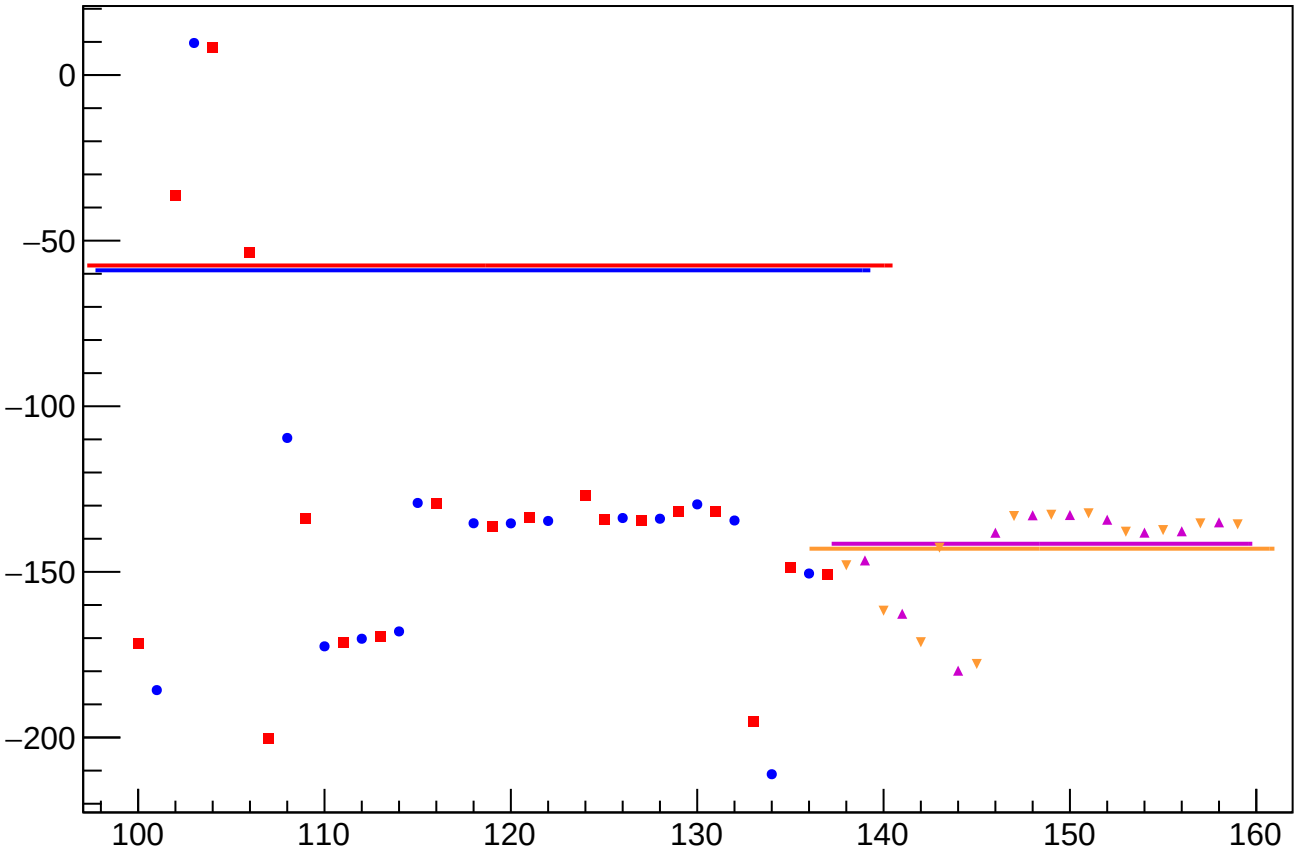
Left: 45.979+/-0.909 χ^2/NDF: 448.8/21

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 45.288+/-1.039 χ^2/NDF:567.4/25

Out: 44.394+/-0.982 χ^2/NDF:699.2/30

All: 44.816+/-0.714 χ^2/NDF: 1267.0/56



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -143.004+/-0.061 χ^2/NDF:51402.5/11

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -141.509+/-0.063 χ^2/NDF:42479.5/9

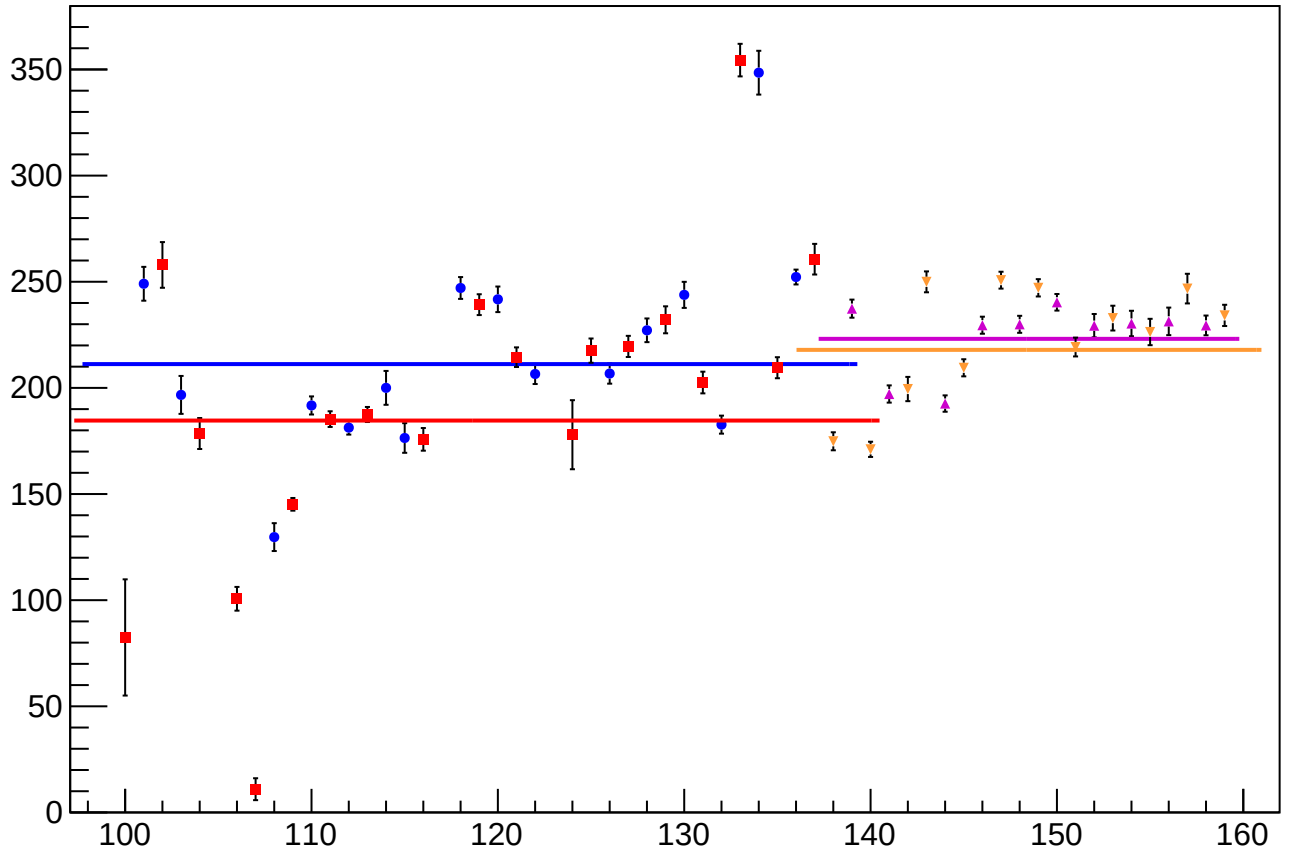
Left: -142.279+/-0.044 χ^2/NDF: 94176.3/21

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -106.341+/-0.047 χ^2/NDF:2011590.2/25

Out: -108.779+/-0.047 χ^2/NDF:1717847.6/30

All: -107.571+/-0.033 χ^2/NDF: 3730772.3/56



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 217.913+/-1.340 χ^2/NDF:486.7/11

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 223.105+/-1.409 χ^2/NDF:145.8/9

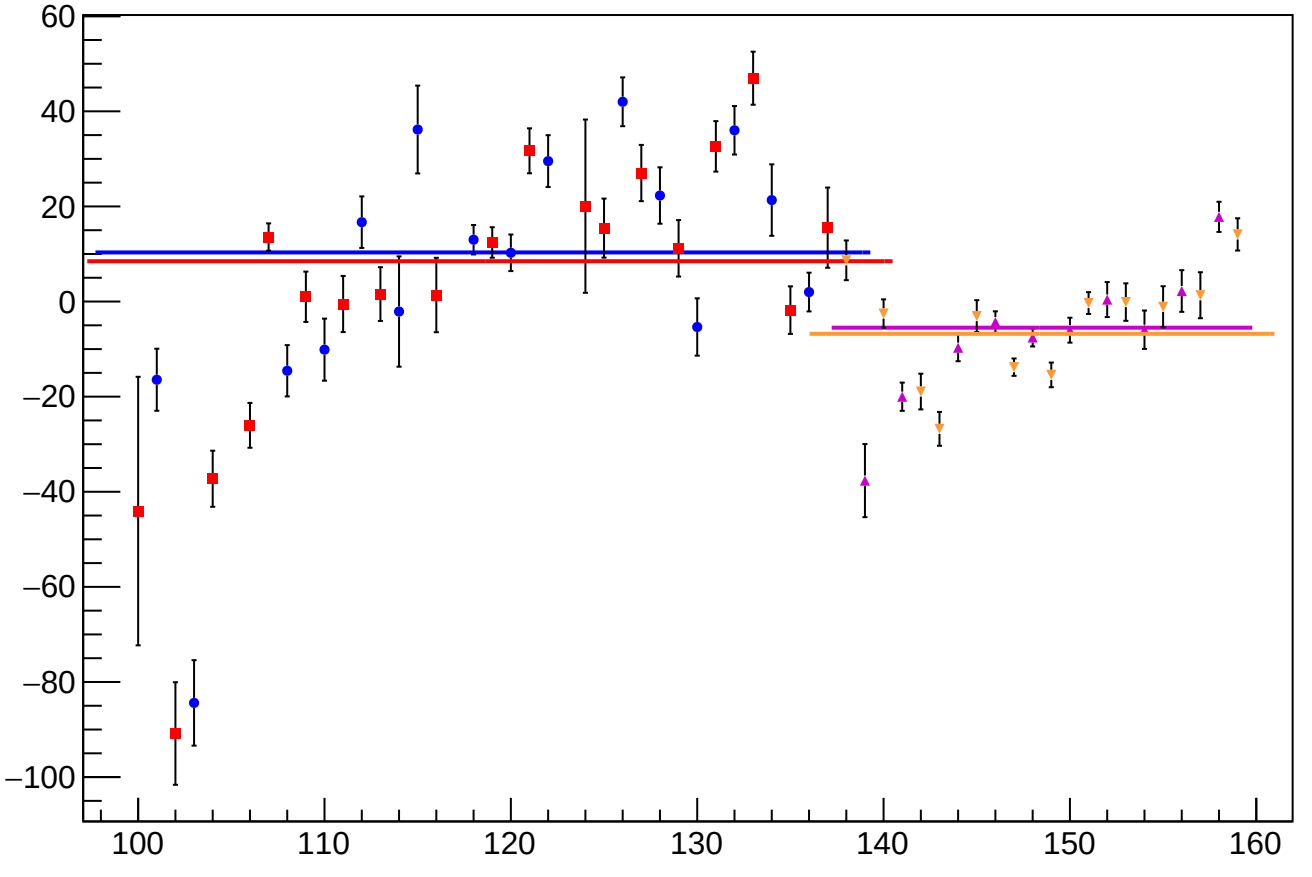
Left: 220.379+/-0.971 χ^2/NDF: 639.7/21

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 216.661+/-0.954 χ^2/NDF:967.4/25

Out: 199.349+/-0.891 χ^2/NDF:3371.3/30

All: 207.421+/-0.651 χ^2/NDF: 4514.7/56



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -6.787+/-0.879 χ^2/NDF:138.1/11

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -5.499+/-0.927 χ^2/NDF:104.9/9

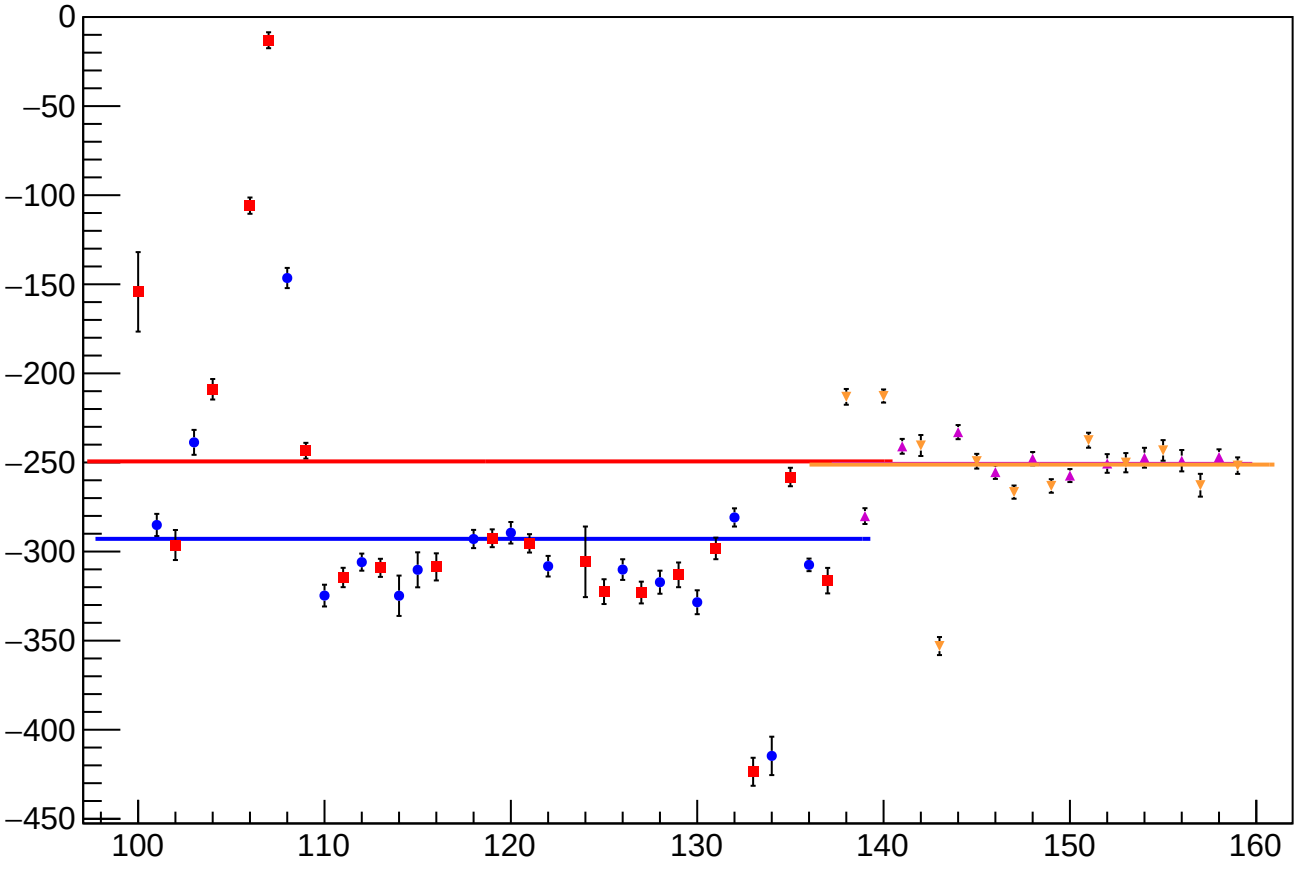
Left: -6.177+/-0.638 χ^2/NDF: 244.0/21

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: -0.338+/-0.761 χ^2/NDF:463.2/25

Out: -1.599+/-0.714 χ^2/NDF:563.1/30

All: -1.009+/-0.521 χ^2/NDF: 1027.7/56



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.193+/-1.308 χ^2/NDF:634.0/11

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -250.799+/-1.365 χ^2/NDF:76.0/9

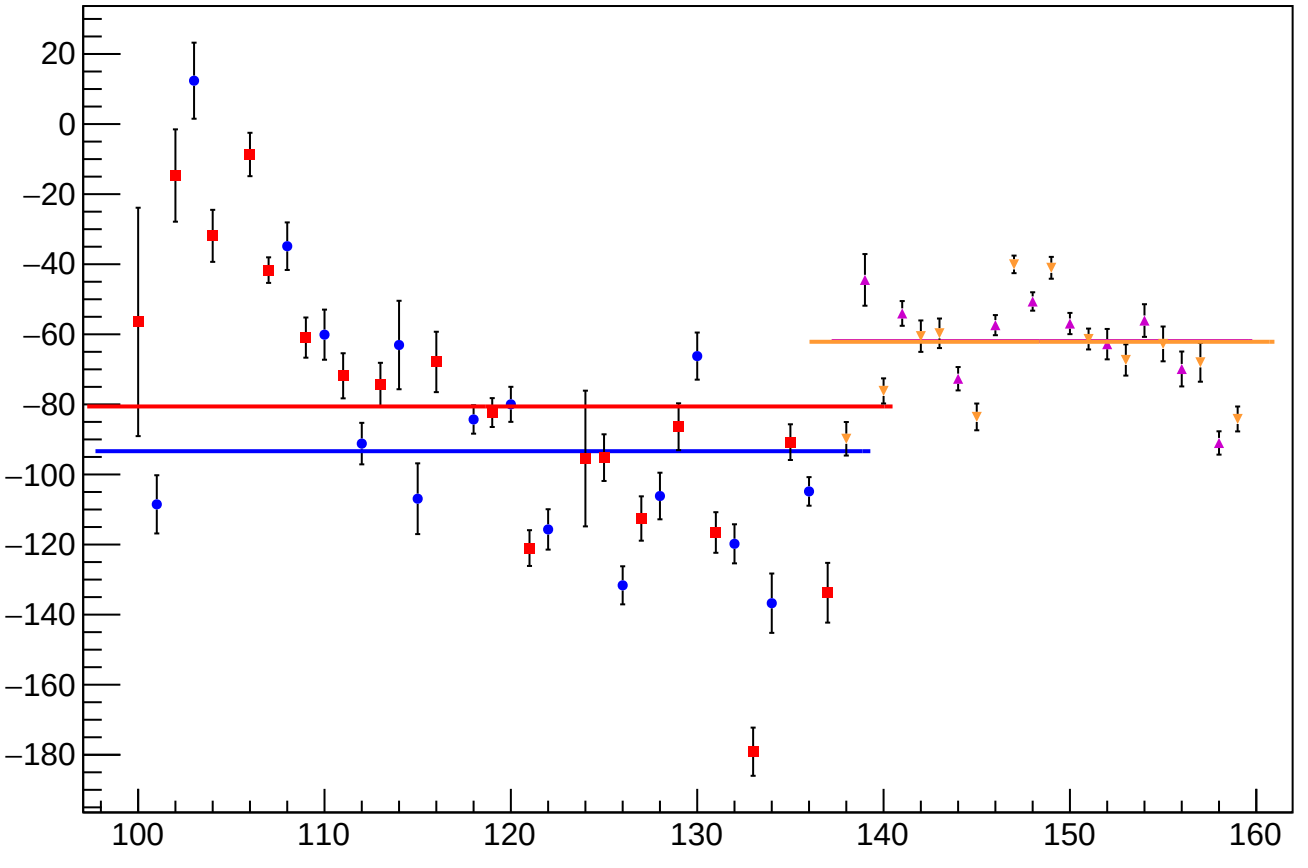
Left: -251.004+/-0.944 χ^2/NDF: 710.0/21

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -270.312+/-0.999 χ^2/NDF:1500.2/25

Out: -250.340+/-0.946 χ^2/NDF:6003.3/30

All: -259.776+/-0.687 χ^2/NDF: 7714.2/56



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -62.131+/-1.070 χ^2/NDF:245.2/11

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -61.924+/-1.123 χ^2/NDF:125.1/9

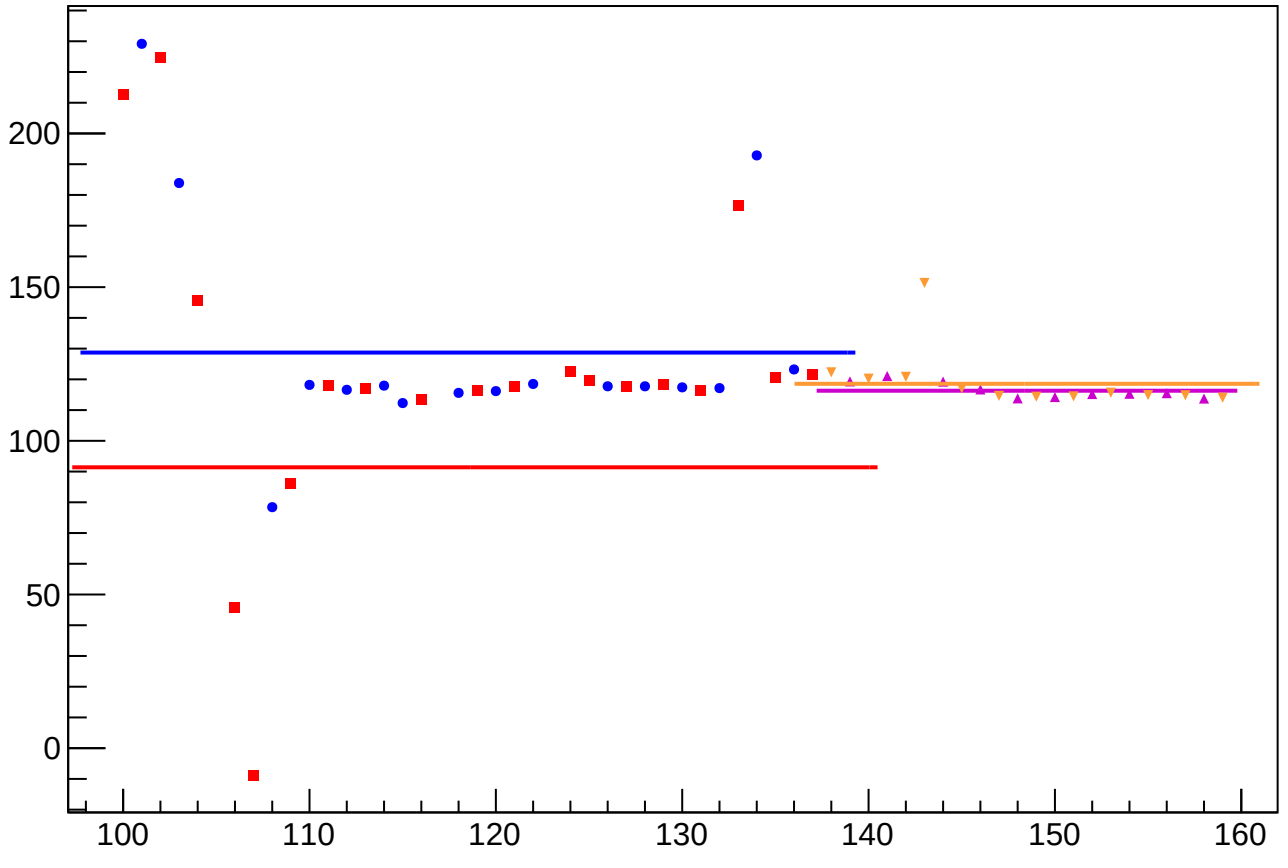
Left: -62.033+/-0.775 χ^2/NDF: 370.4/21

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -72.885+/-0.906 χ^2/NDF:753.8/25

Out: -68.792+/-0.855 χ^2/NDF:1068.0/30

All: -70.721+/-0.622 χ^2/NDF: 1832.6/56



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.556+/-0.052 χ^2/NDF:28462.8/11

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.299+/-0.053 χ^2/NDF:2268.3/9

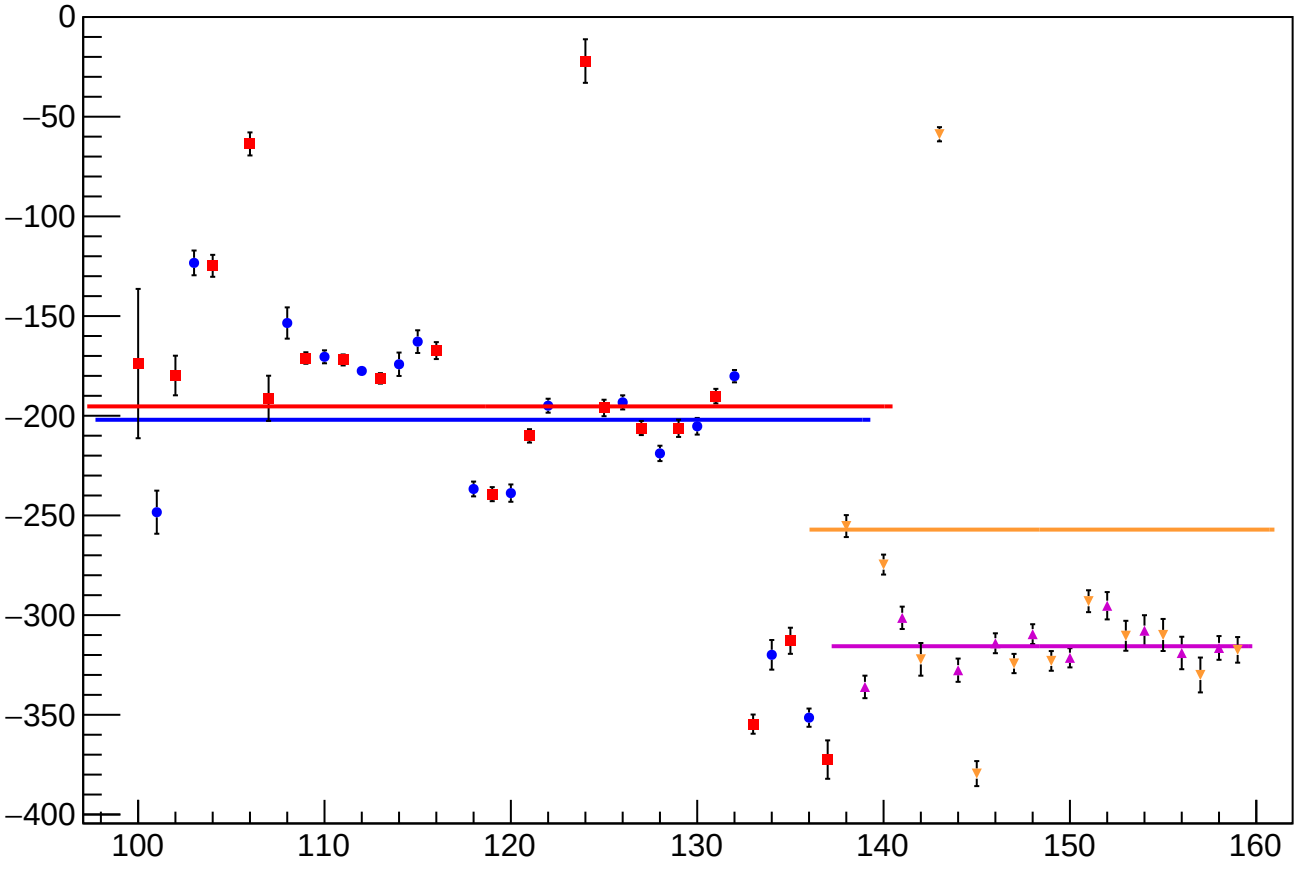
Left: 117.449+/-0.037 χ^2/NDF: 31665.6/21

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 119.515+/-0.045 χ^2/NDF:200167.8/25

Out: 110.418+/-0.043 χ^2/NDF:716110.0/30

All: 114.751+/-0.031 χ^2/NDF: 937336.0/56



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -257.110+/-1.623 χ^2/NDF:4226.4/11

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -315.604+/-1.834 χ^2/NDF:36.8/9

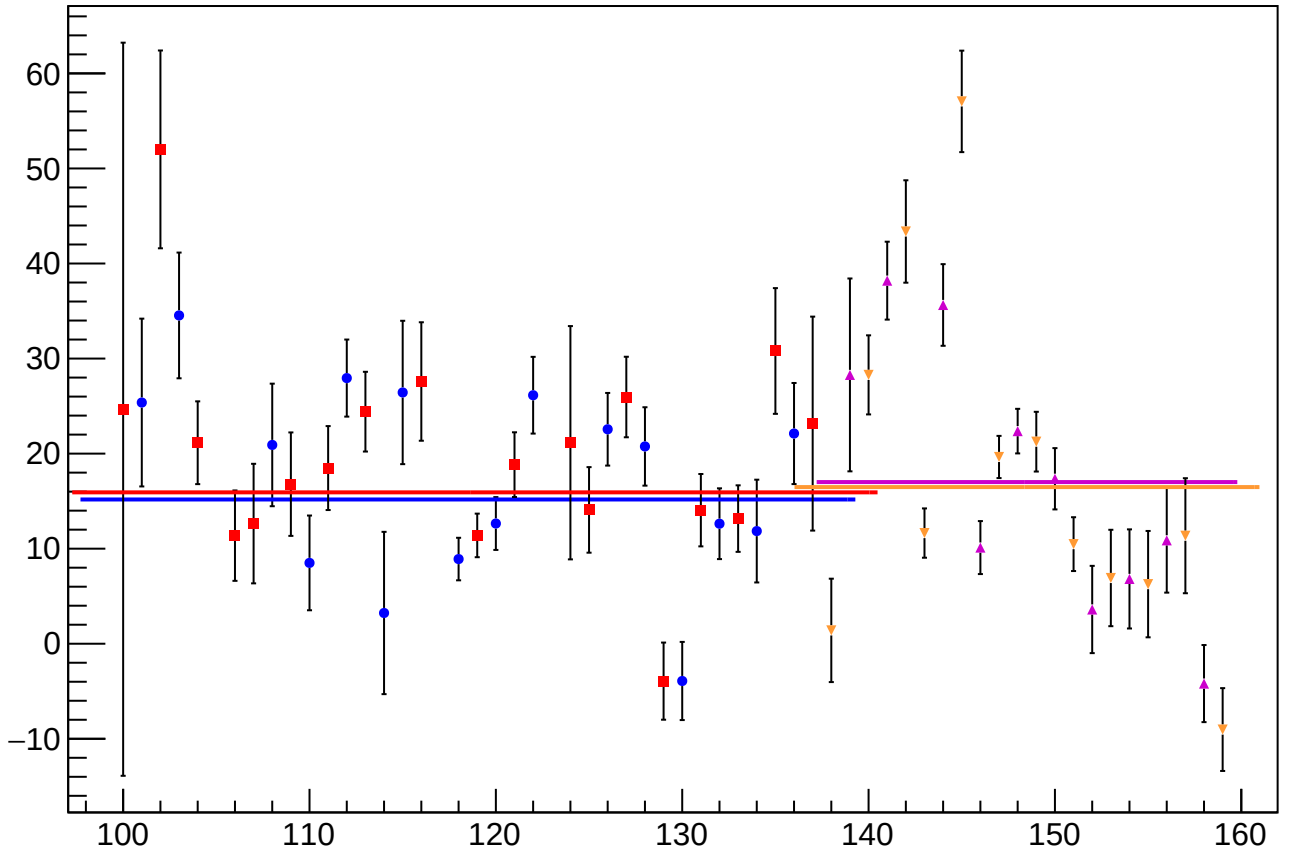
Left: -282.805+/-1.215 χ^2/NDF: 4833.7/21

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -229.022+/-0.894 χ^2/NDF:5001.7/25

Out: -211.676+/-0.835 χ^2/NDF:8392.9/30

All: -219.759+/-0.610 χ^2/NDF: 13595.6/56



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 16.479+/-1.060 χ^2/NDF:152.6/11

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 17.007+/-1.188 χ^2/NDF:99.1/9

Left: 16.713+/-0.791 χ^2/NDF: 251.8/21

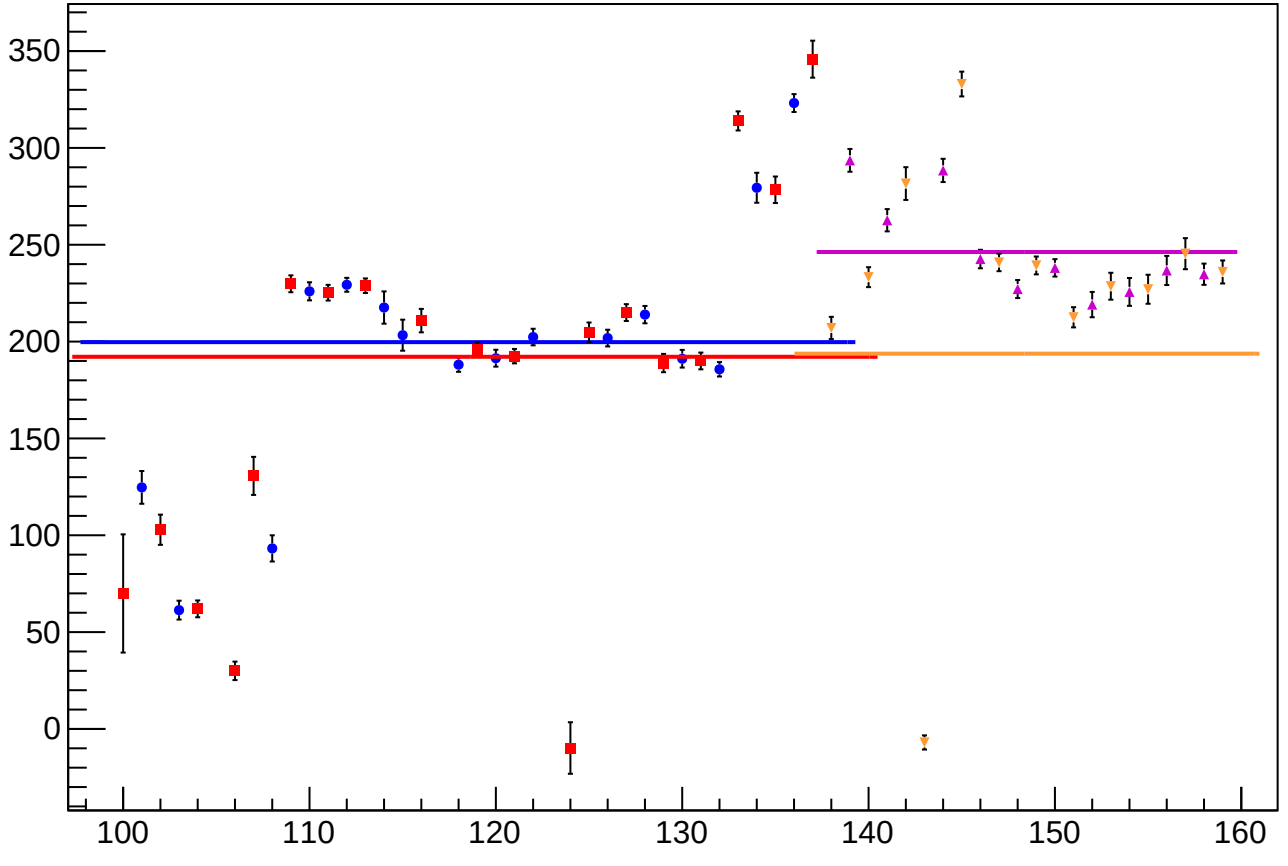
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 15.977+/-0.786 χ^2/NDF:172.7/25

Out: 16.196+/-0.741 χ^2/NDF:216.3/30

All: 16.093+/-0.539 χ^2/NDF: 389.1/56

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: 193.761+/-1.588 χ^2/NDF:4010.4/11

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 246.257+/-1.768 χ^2/NDF:174.1/9

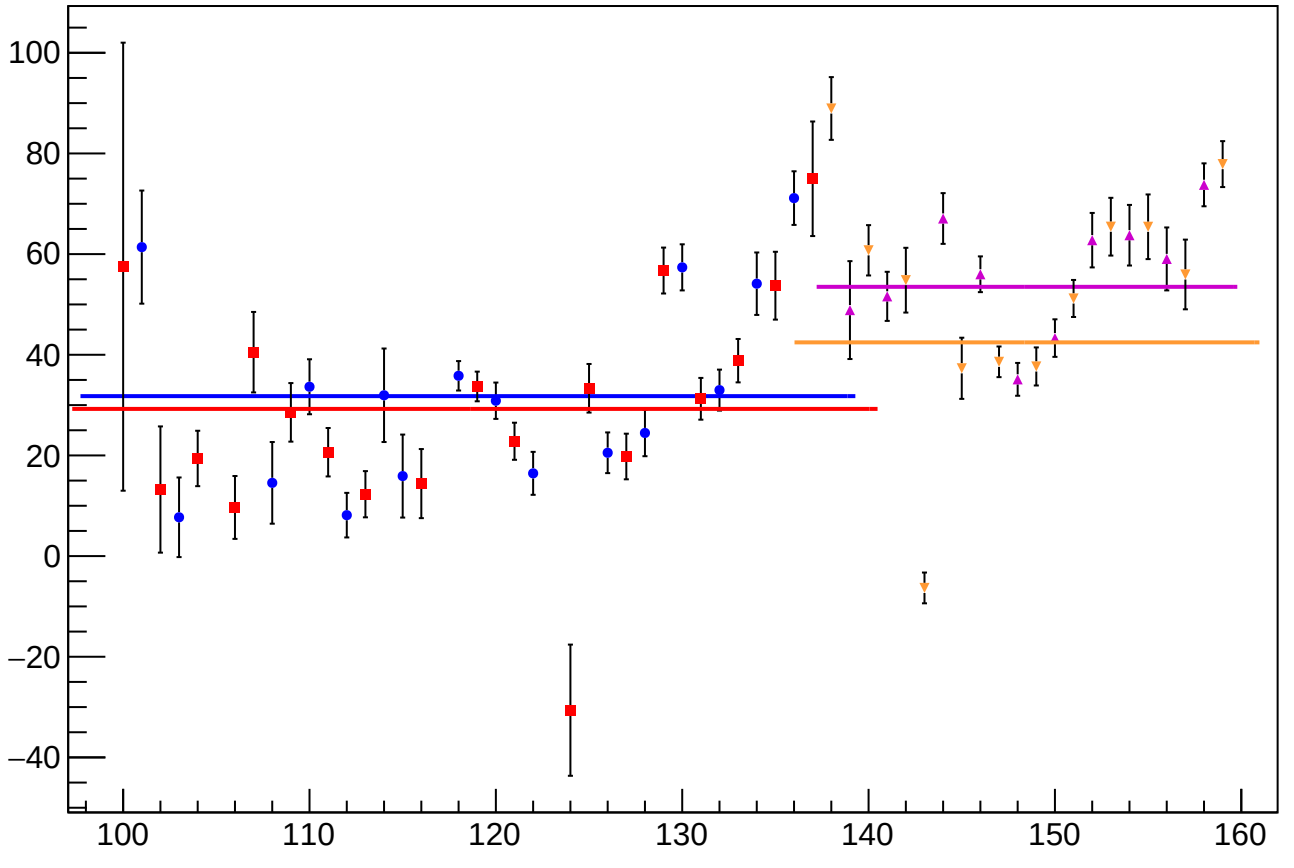
Left: 217.199+/-1.182 χ^2/NDF: 4672.3/21

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.323+/-0.991 χ^2/NDF:2750.9/25

Out: 192.709+/-0.932 χ^2/NDF:7788.2/30

All: 202.855+/-0.679 χ^2/NDF: 10791.7/56



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 42.463+/-1.292 χ^2/NDF:429.5/11

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 53.500+/-1.444 χ^2/NDF:76.5/9

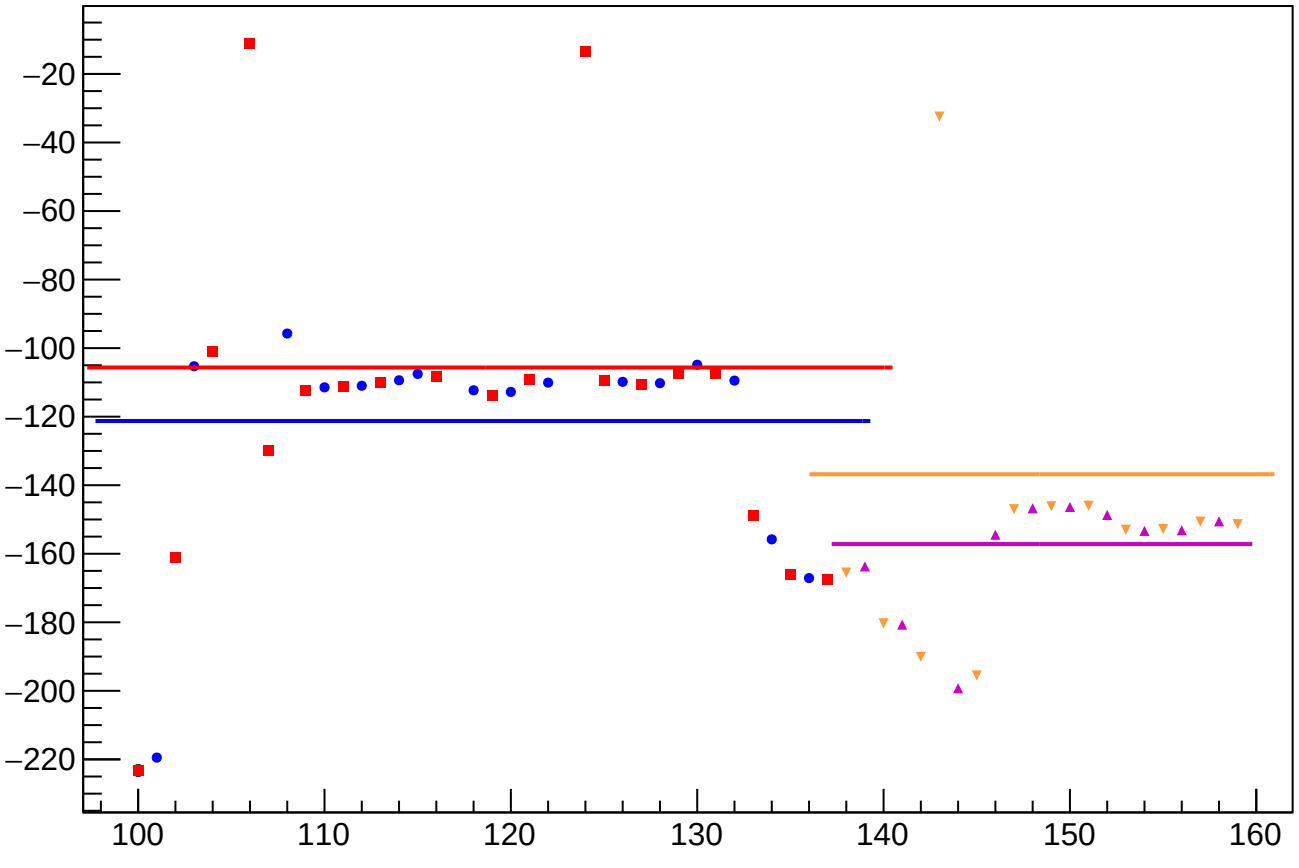
Left: 47.369+/-0.963 χ^2/NDF: 538.5/21

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 40.795+/-0.930 χ^2/NDF:385.8/25

Out: 35.348+/-0.878 χ^2/NDF:626.7/30

All: 37.913+/-0.639 χ^2/NDF: 1030.7/56



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -136.800+/-0.063 χ^2/NDF:623652.2/11

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -157.162+/-0.068 χ^2/NDF:45133.4/9

Left: -146.212+/-0.046 χ^2/NDF: 716942.2/21

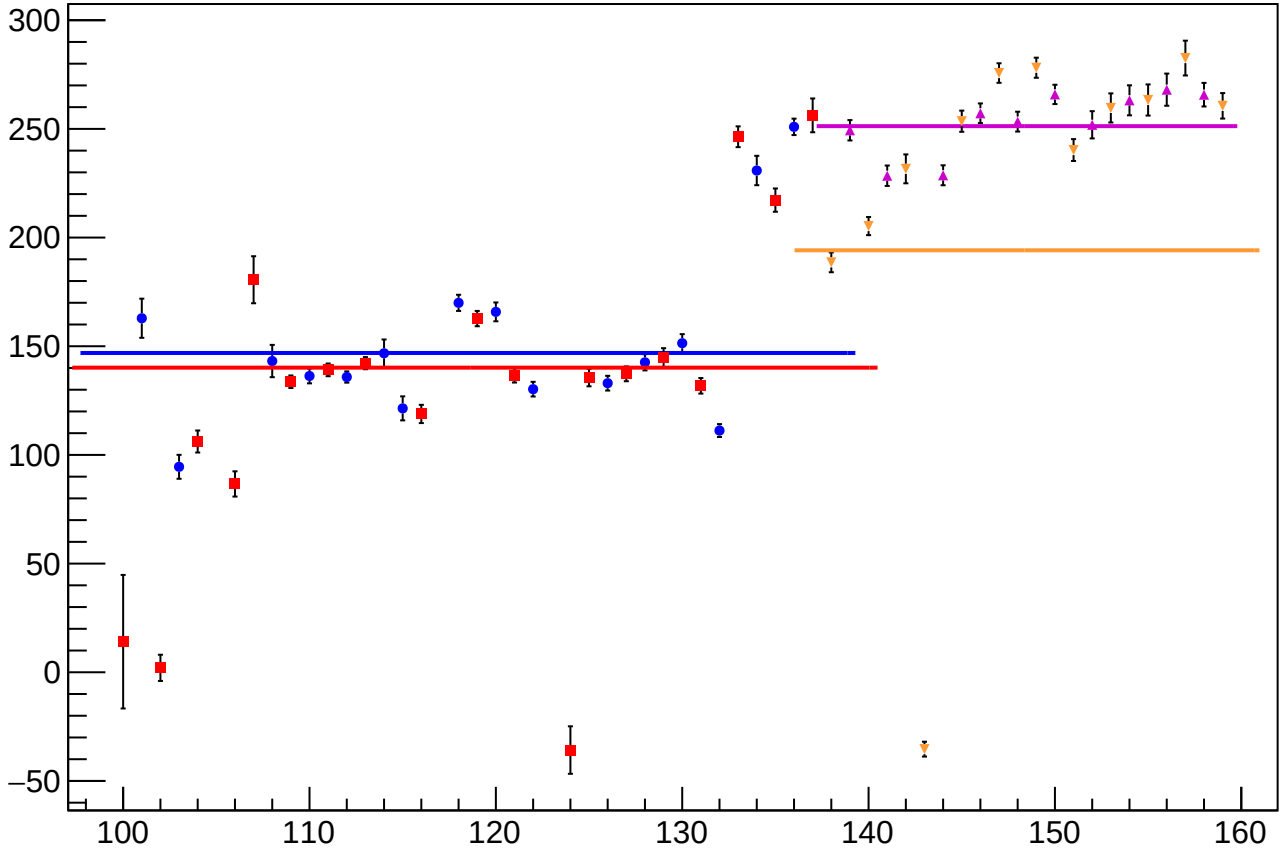
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -141.924+/-0.052 χ^2/NDF:282664.6/25

Out: -123.837+/-0.048 χ^2/NDF:1080170.9/30

All: -132.261+/-0.035 χ^2/NDF: 1428425.3/56

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 194.145+/-1.446 χ^2/NDF:5878.5/11

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 251.260+/-1.613 χ^2/NDF:76.0/9

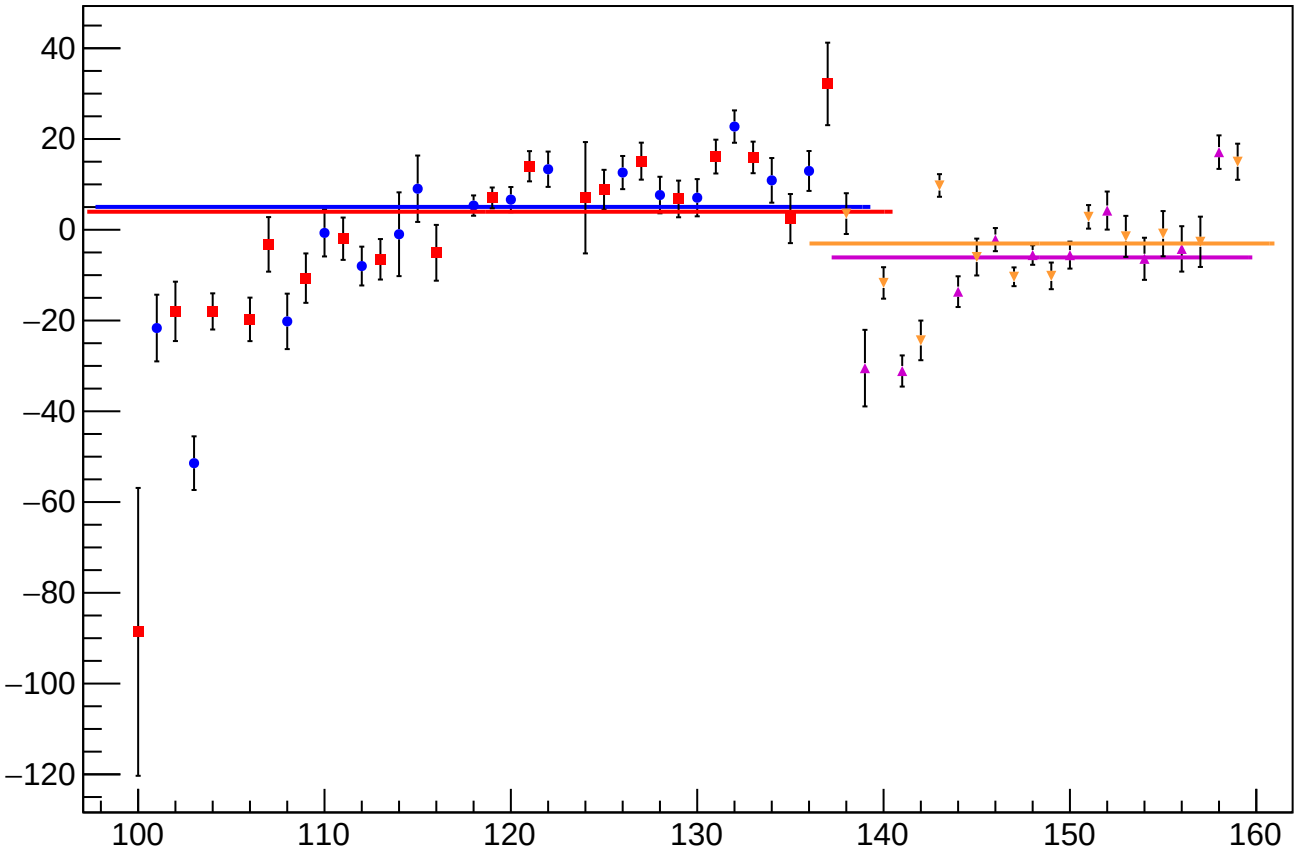
Left: 219.591+/-1.077 χ^2/NDF: 6649.7/21

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 176.016+/-0.852 χ^2/NDF:4395.9/25

Out: 156.673+/-0.800 χ^2/NDF:8796.9/30

All: 165.735+/-0.583 χ^2/NDF: 13466.8/56



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -3.026+/-0.958 χ^2/NDF:103.6/11

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -6.094+/-1.063 χ^2/NDF:114.5/9

Left: -4.402+/-0.712 χ^2/NDF: 222.8/21

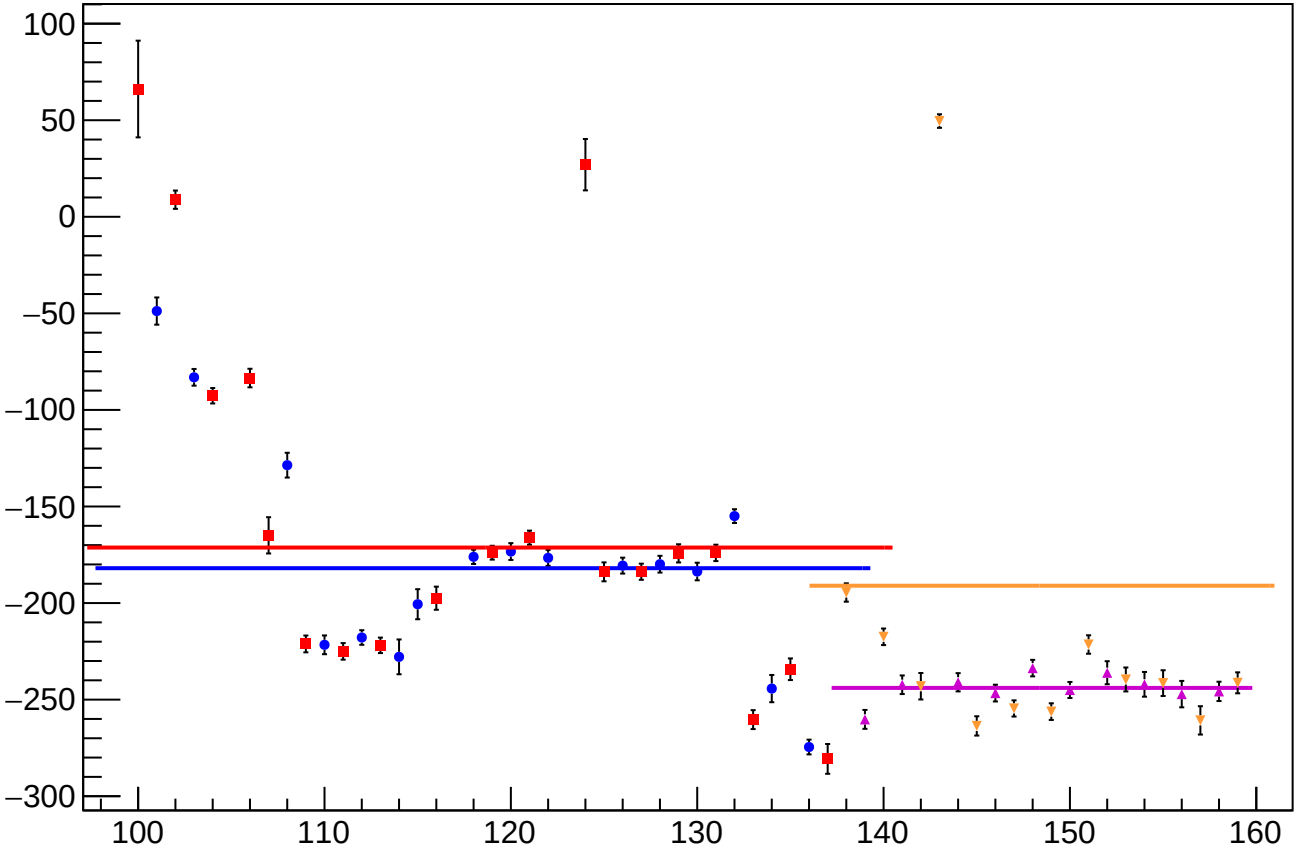
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.305+/-0.736 χ^2/NDF:343.5/25

Out: 0.282+/-0.696 χ^2/NDF:273.7/30

All: 0.005+/-0.506 χ^2/NDF: 617.5/56

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: -191.019+/-1.420 χ^2/NDF:5781.2/11

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -243.931+/-1.563 χ^2/NDF:20.0/9

Left: -214.942+/-1.051 χ^2/NDF: 6429.3/21

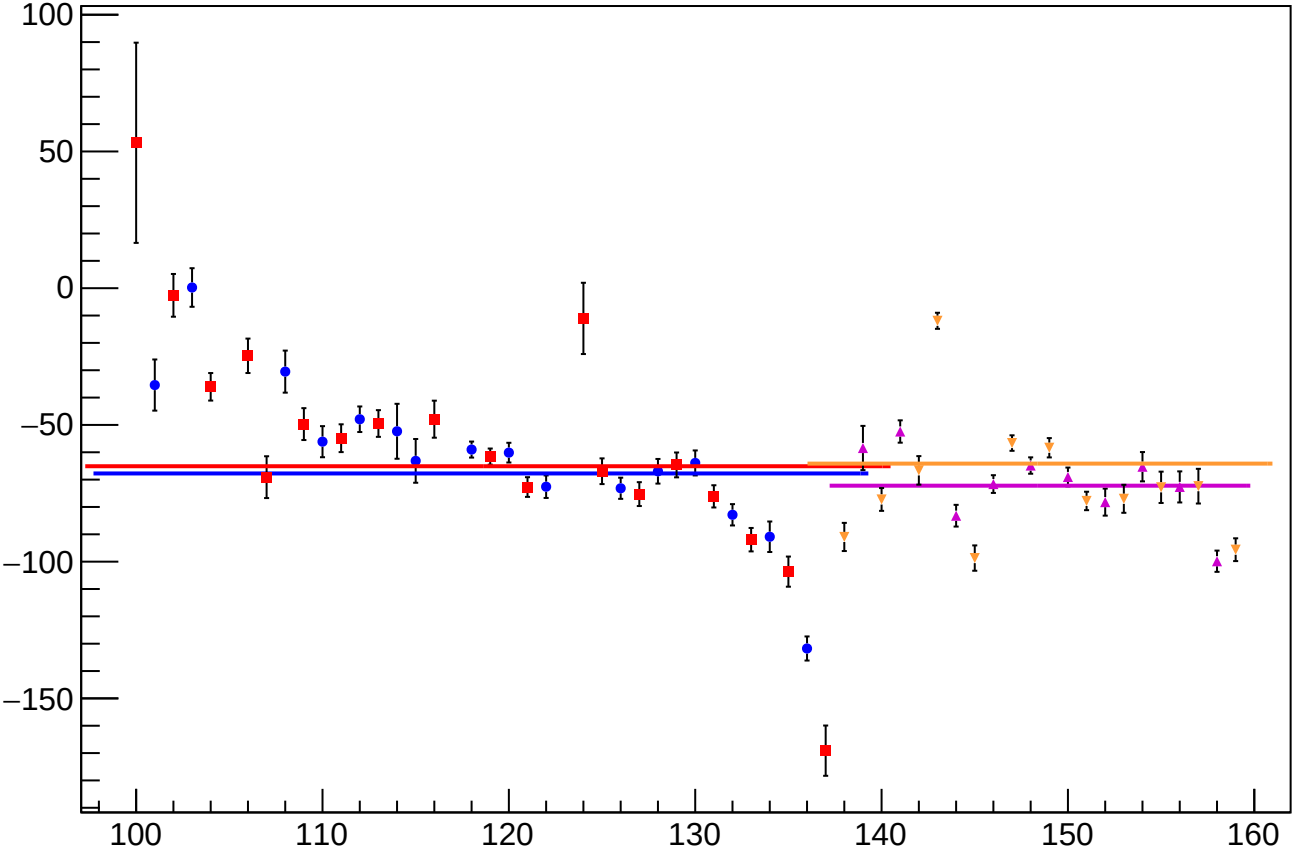
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -203.821+/-0.928 χ^2/NDF:2908.6/25

Out: -178.768+/-0.875 χ^2/NDF:9529.5/30

All: -190.554+/-0.637 χ^2/NDF: 12823.8/56

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: -64.145+/-1.164 χ^2/NDF:501.9/11

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -72.218+/-1.288 χ^2/NDF:94.7/9

Left: -67.775+/-0.864 χ^2/NDF: 618.3/21

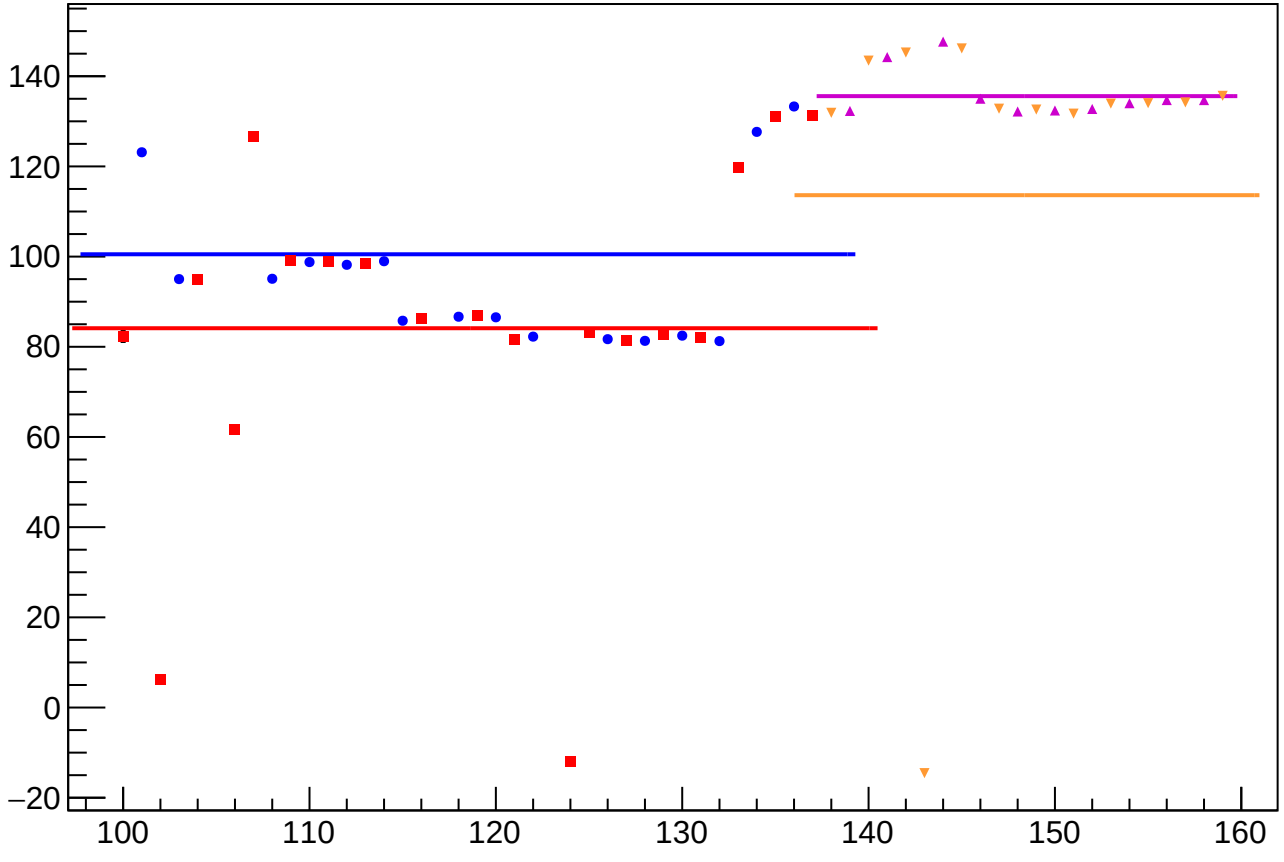
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -69.788+/-0.870 χ^2/NDF:515.3/25

Out: -64.624+/-0.824 χ^2/NDF:931.3/30

All: -67.065+/-0.598 χ^2/NDF: 1465.2/56

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: 113.619+/-0.056 χ^2/NDF:913247.9/11

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.585+/-0.060 χ^2/NDF:6571.0/9

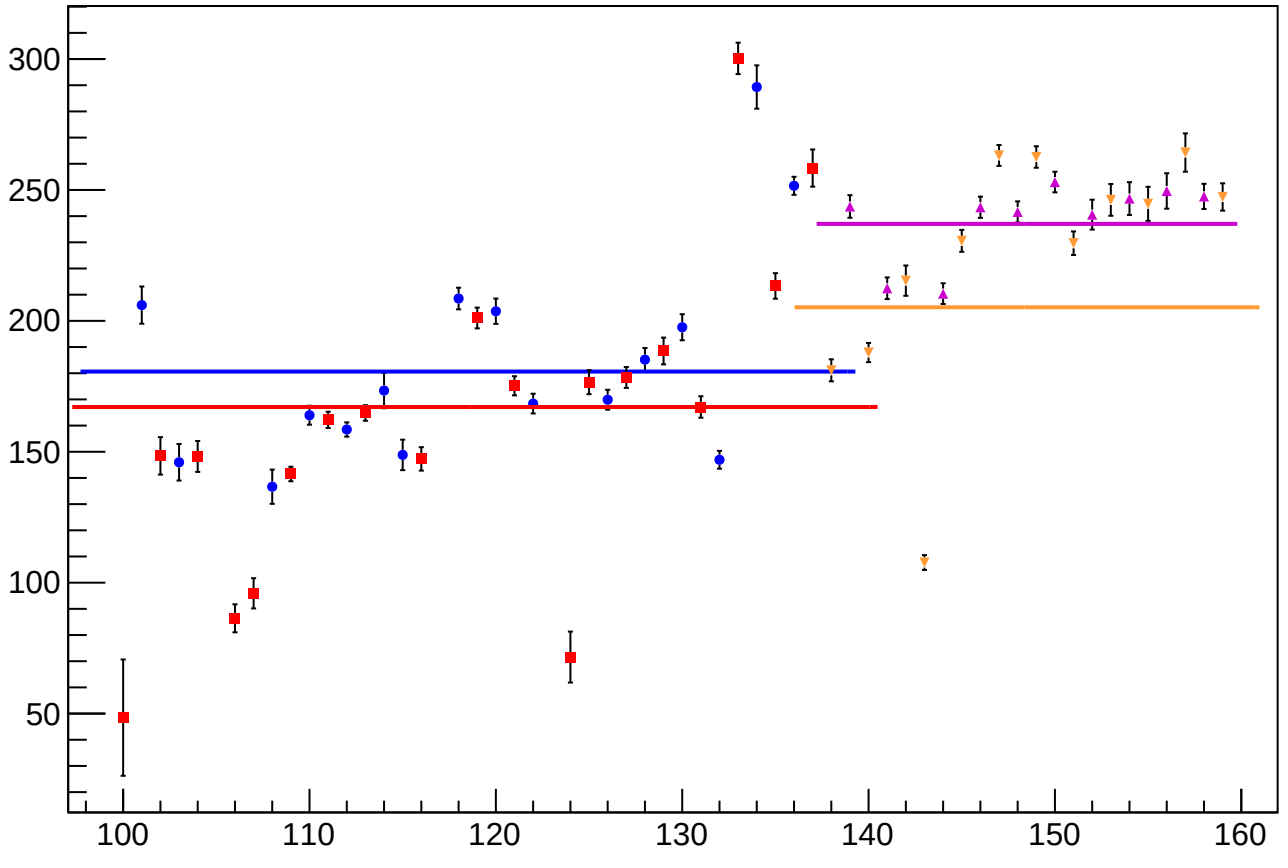
Left: 123.872+/-0.041 χ^2/NDF: 990644.2/21

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 121.591+/-0.047 χ^2/NDF:209124.7/25

Out: 101.847+/-0.044 χ^2/NDF:1286260.4/30

All: 111.063+/-0.032 χ^2/NDF: 1590600.7/56



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.186+/-1.270 χ^2/NDF:1921.4/11

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

Left: 219.154+/-0.952 χ^2/NDF: 2311.3/21

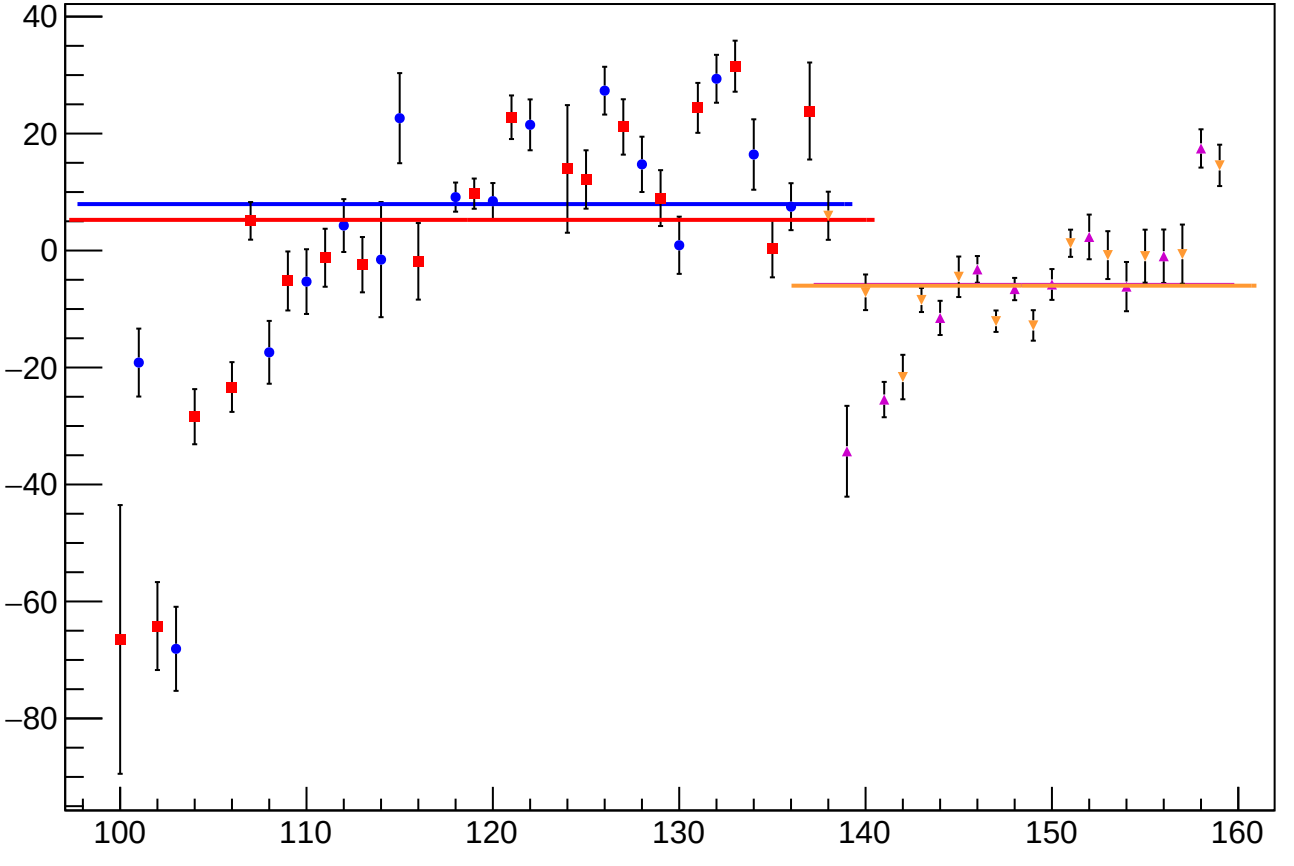
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.215+/-0.868 χ^2/NDF:2085.4/25

Out: 182.045+/-0.796 χ^2/NDF:3952.1/30

All: 190.794+/-0.587 χ^2/NDF: 6302.4/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -6.008+/-0.841 χ^2/NDF:92.4/11

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

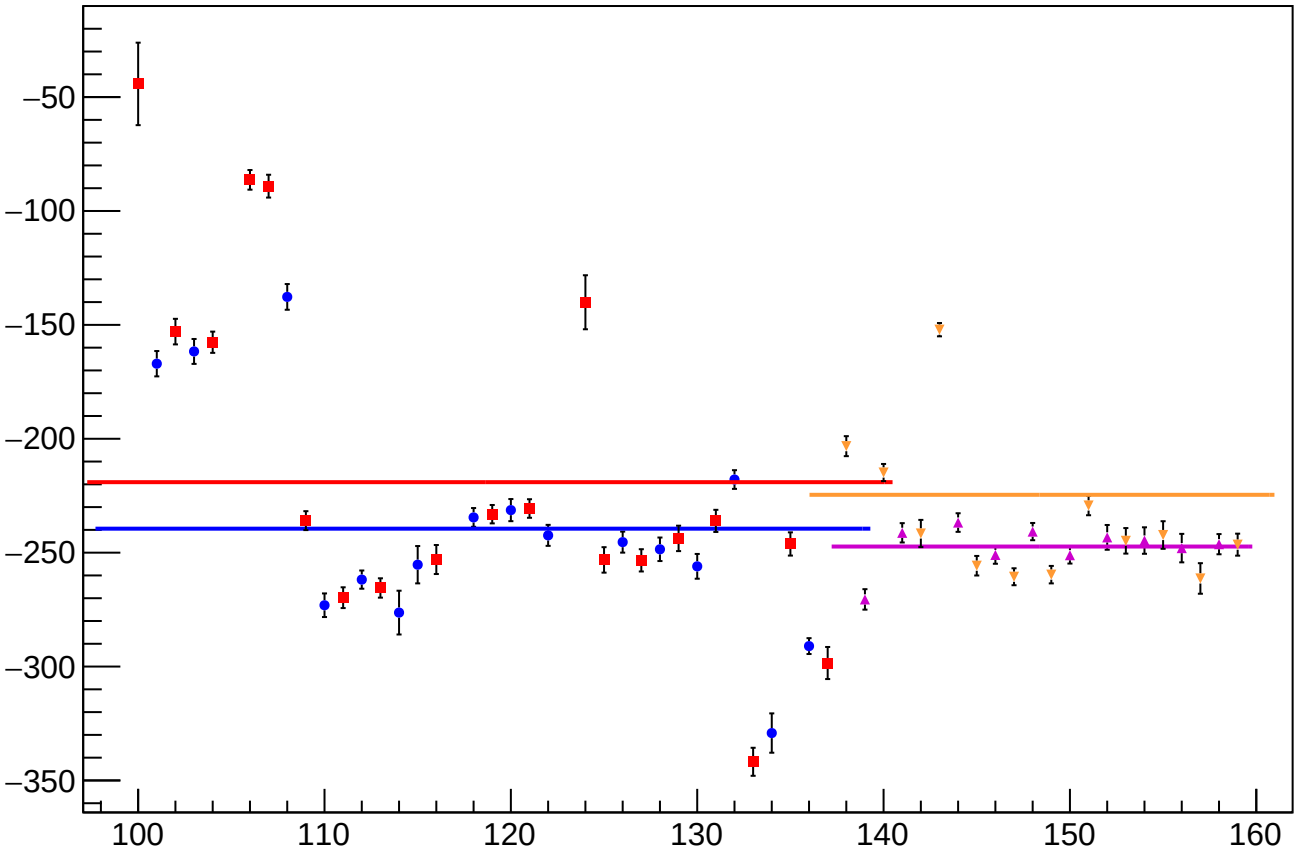
Left: -5.948+/-0.628 χ^2/NDF: 209.7/21

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.091+/-0.720 χ^2/NDF:439.7/25

Out: -1.669+/-0.660 χ^2/NDF:464.3/30

All: -0.949+/-0.486 χ^2/NDF: 906.6/56



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.601+/-1.249 χ^2/NDF:956.7/11

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

Left: -234.722+/-0.930 χ^2/NDF: 1145.2/21

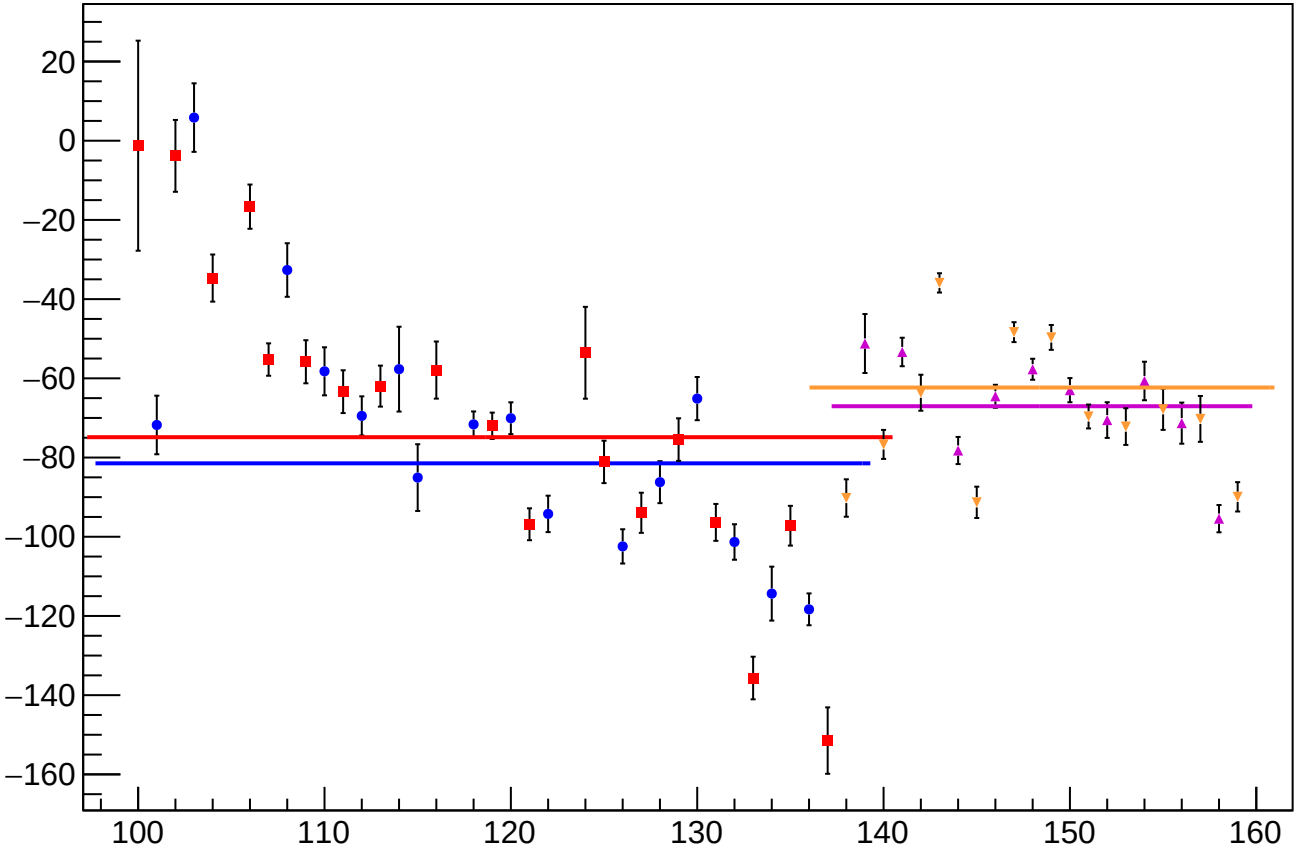
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.952+/-0.928 χ^2/NDF:1221.0/25

Out: -221.661+/-0.856 χ^2/NDF:4016.4/30

All: -231.447+/-0.629 χ^2/NDF: 5521.6/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -62.320+/-1.023 χ^2/NDF:337.7/11

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

Left: -64.415+/-0.763 χ^2/NDF: 462.7/21

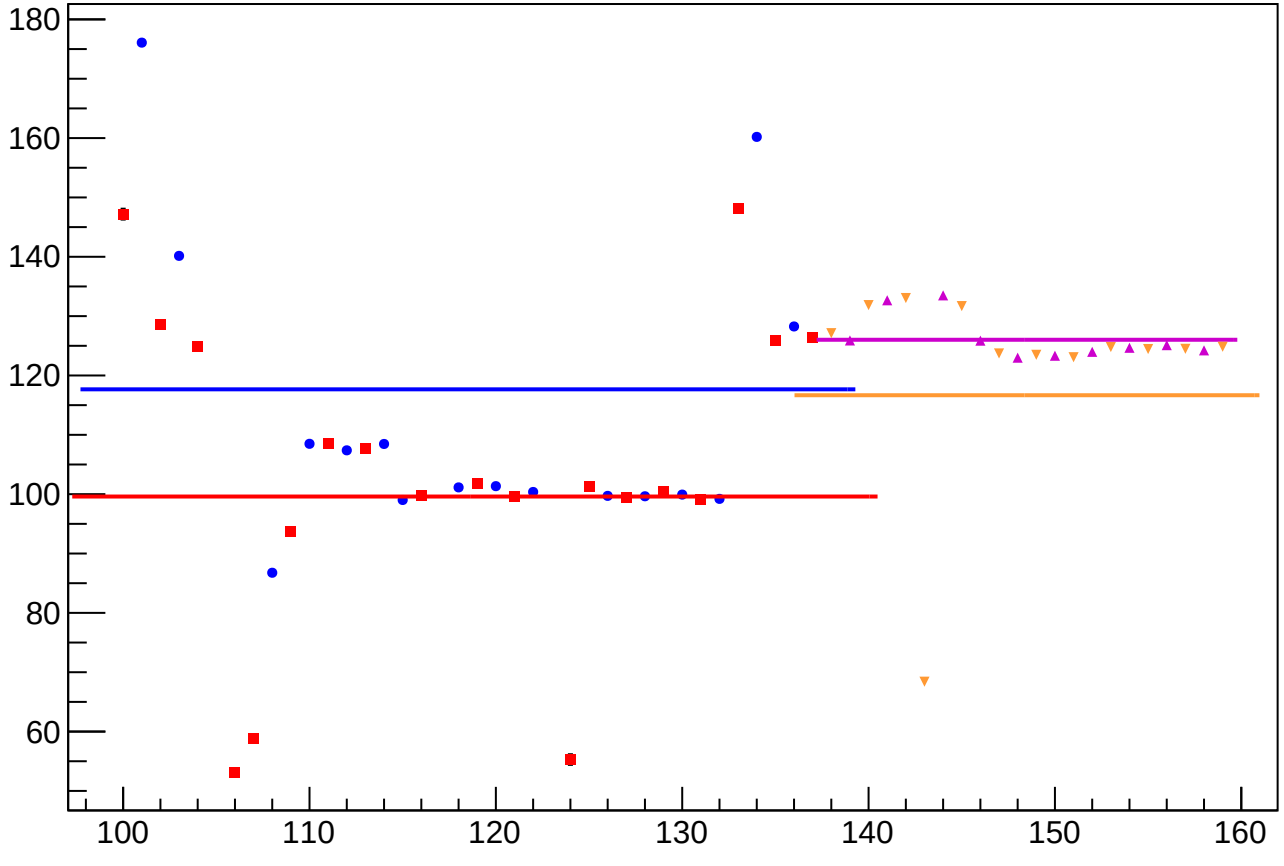
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.416+/-0.856 χ^2/NDF:552.1/25

Out: -67.446+/-0.786 χ^2/NDF:975.8/30

All: -70.180+/-0.579 χ^2/NDF: 1554.3/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.672+/-0.050 χ^2/NDF:193338.3/11

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

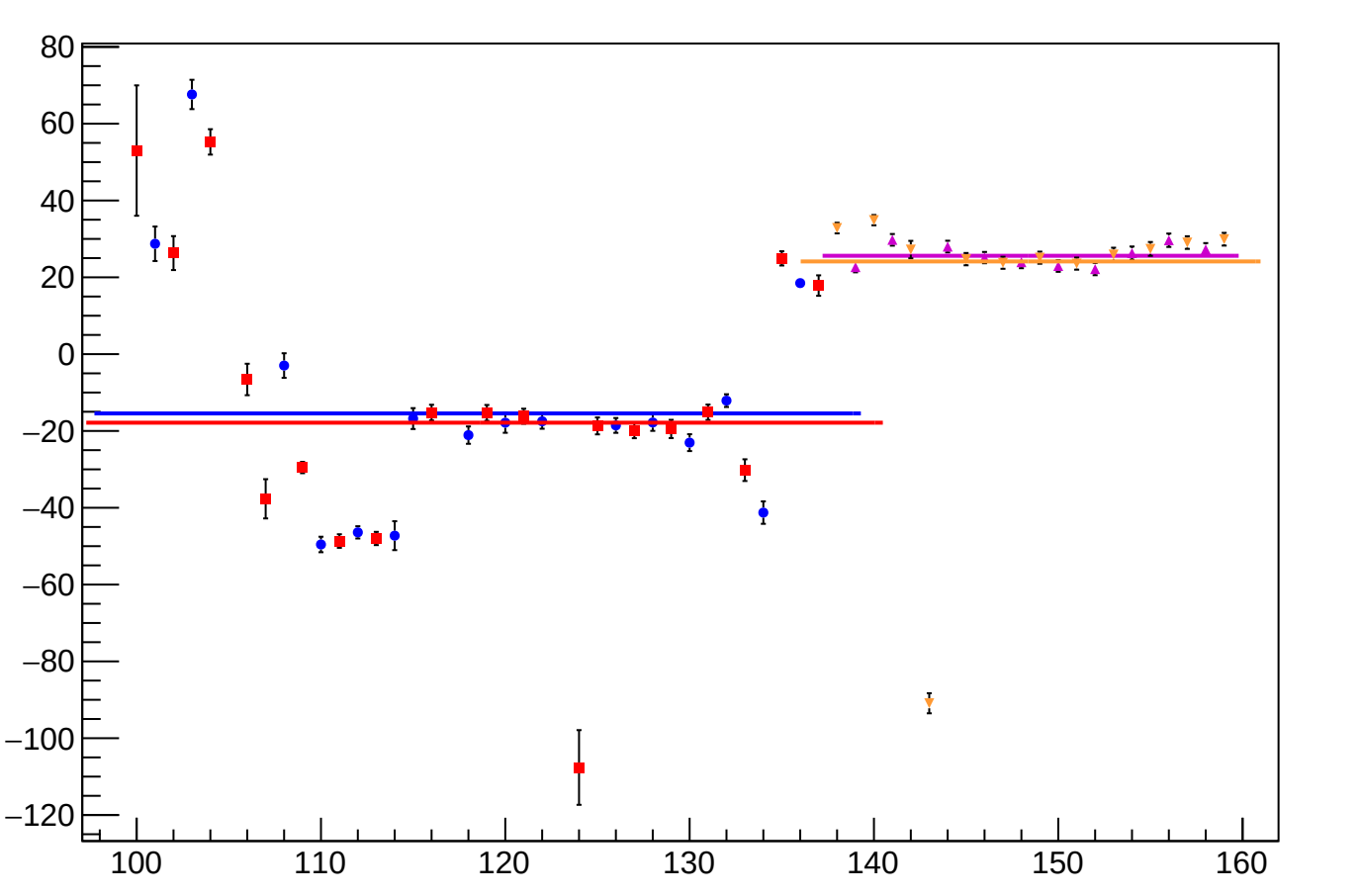
Left: 120.976+/-0.037 χ^2/NDF: 213734.0/21

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.331+/-0.044 χ^2/NDF:107295.0/25

Out: 110.970+/-0.041 χ^2/NDF:398823.5/30

All: 116.606+/-0.030 χ^2/NDF: 548313.9/56



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.135+/-0.478 χ^2/NDF:2071.0/11

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.611+/-0.492 χ^2/NDF:30.2/9

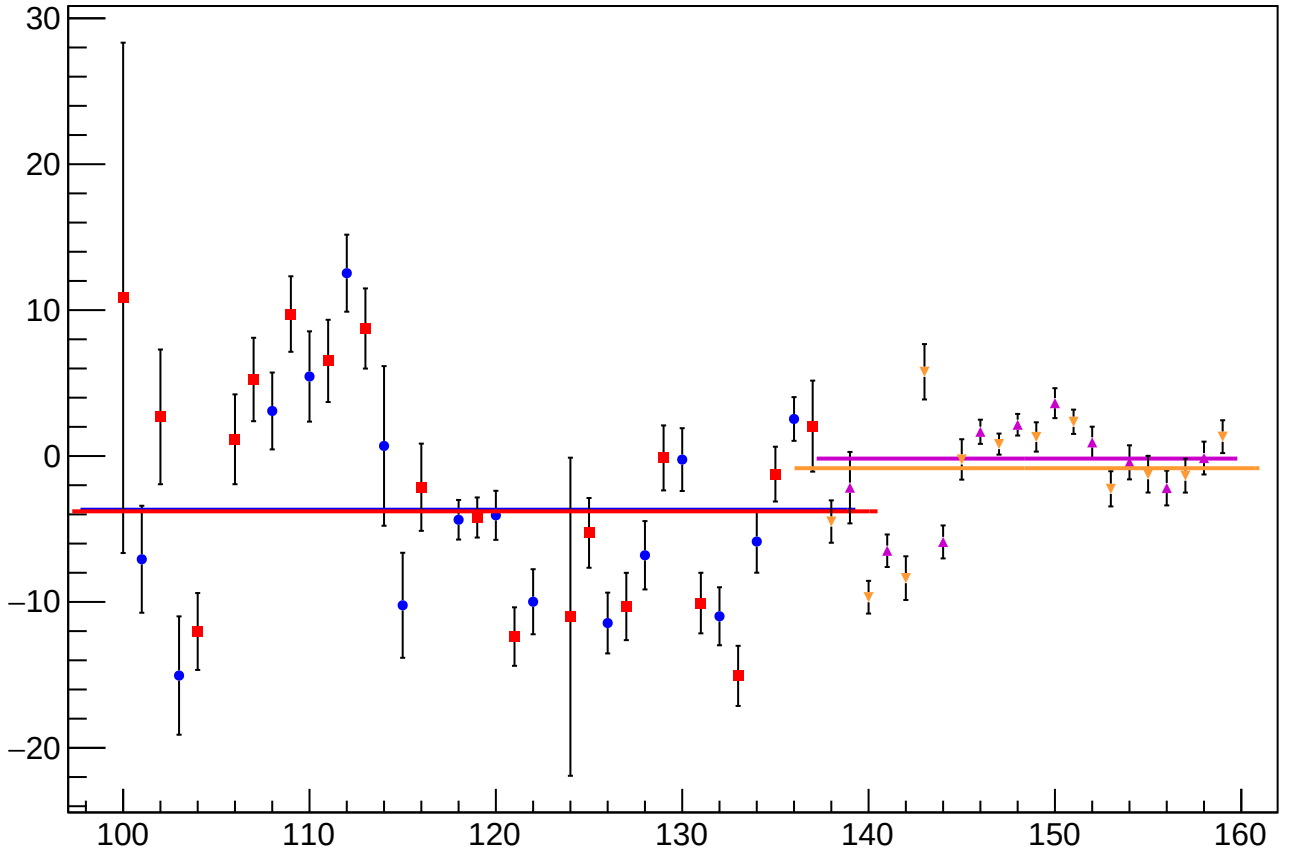
Left: 24.852+/-0.343 χ^2/NDF: 2105.8/21

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

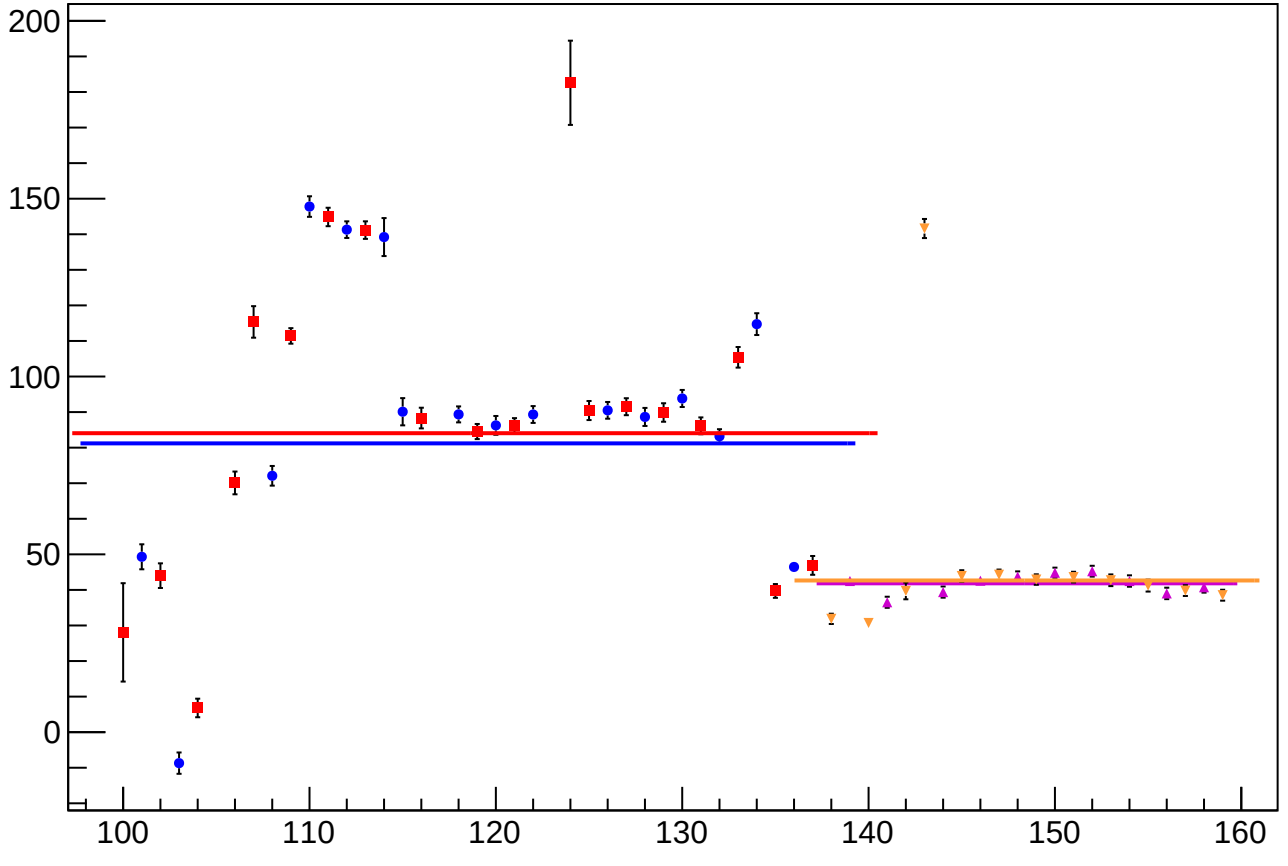
In: 6.949+/-0.363 χ^2/NDF:5317.1/25

Out: 5.282+/-0.355 χ^2/NDF:7658.0/30

All: 6.096+/-0.254 χ^2/NDF: 12985.8/56


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
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -0.834+/-0.321 χ²/NDF:135.9/11
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.175+/-0.332 χ²/NDF:90.7/9
Left: -0.516+/-0.231 χ²/NDF: 228.7/21
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.106+/-0.284 χ²/NDF:244.3/25
Out: -1.557+/-0.279 χ²/NDF:317.9/30
All: -1.336+/-0.199 χ²/NDF: 563.5/56

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: 42.654+/-0.463 χ^2/NDF:1502.8/11

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

Left: 42.264+/-0.332 χ^2/NDF: 1533.8/21

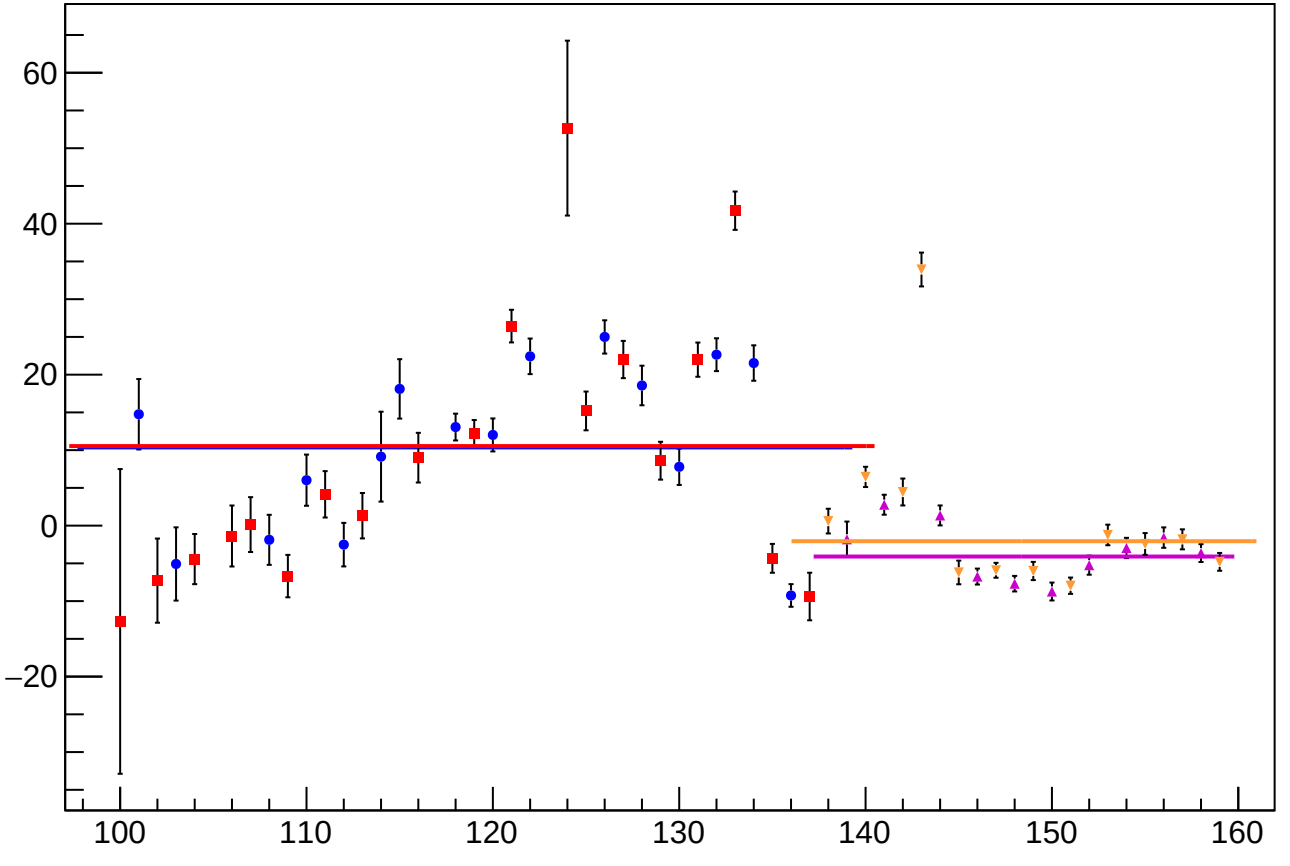
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.830+/-0.375 χ^2/NDF:5862.5/25

Out: 57.614+/-0.370 χ^2/NDF:7593.4/30

All: 57.226+/-0.263 χ^2/NDF: 13458.2/56

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: -2.064+/-0.386 χ^2/NDF:382.7/11

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

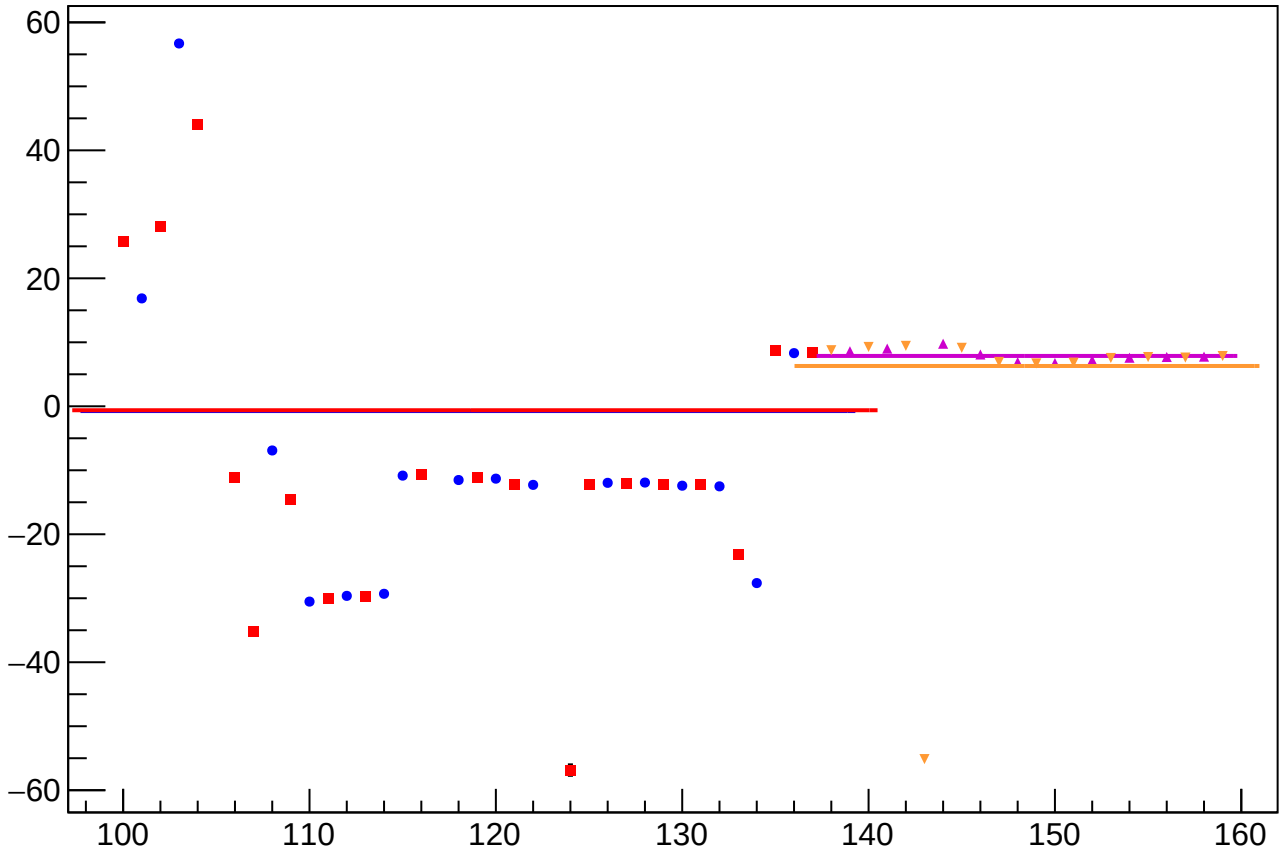
Left: -3.047+/-0.277 χ^2/NDF: 479.9/21

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.063+/-0.336 χ^2/NDF:823.2/25

Out: 1.293+/-0.330 χ^2/NDF:1137.7/30

All: 0.688+/-0.236 χ^2/NDF: 1967.7/56



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.300+/-0.018 χ^2/NDF:312374.6/11

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

Left: 7.074+/-0.013 χ^2/NDF: 318365.8/21

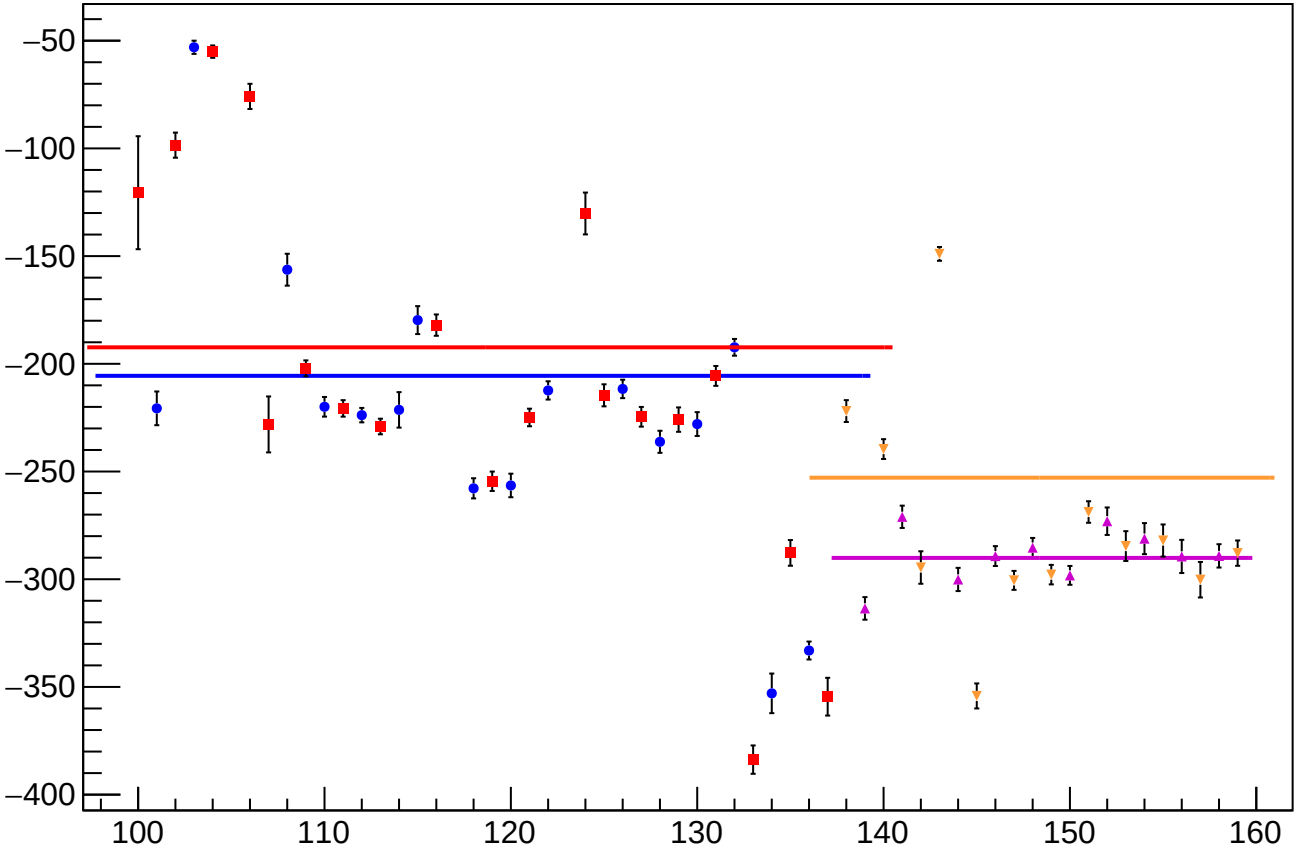
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.148+/-0.016 χ^2/NDF:416222.5/25

Out: 5.031+/-0.016 χ^2/NDF:656907.6/30

All: 5.587+/-0.011 χ^2/NDF: 1075561.3/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -252.859+/-1.485 χ^2/NDF:1760.3/11

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.102+/-1.686 χ^2/NDF:50.3/9

Left: -269.131+/-1.115 χ^2/NDF: 2085.3/21

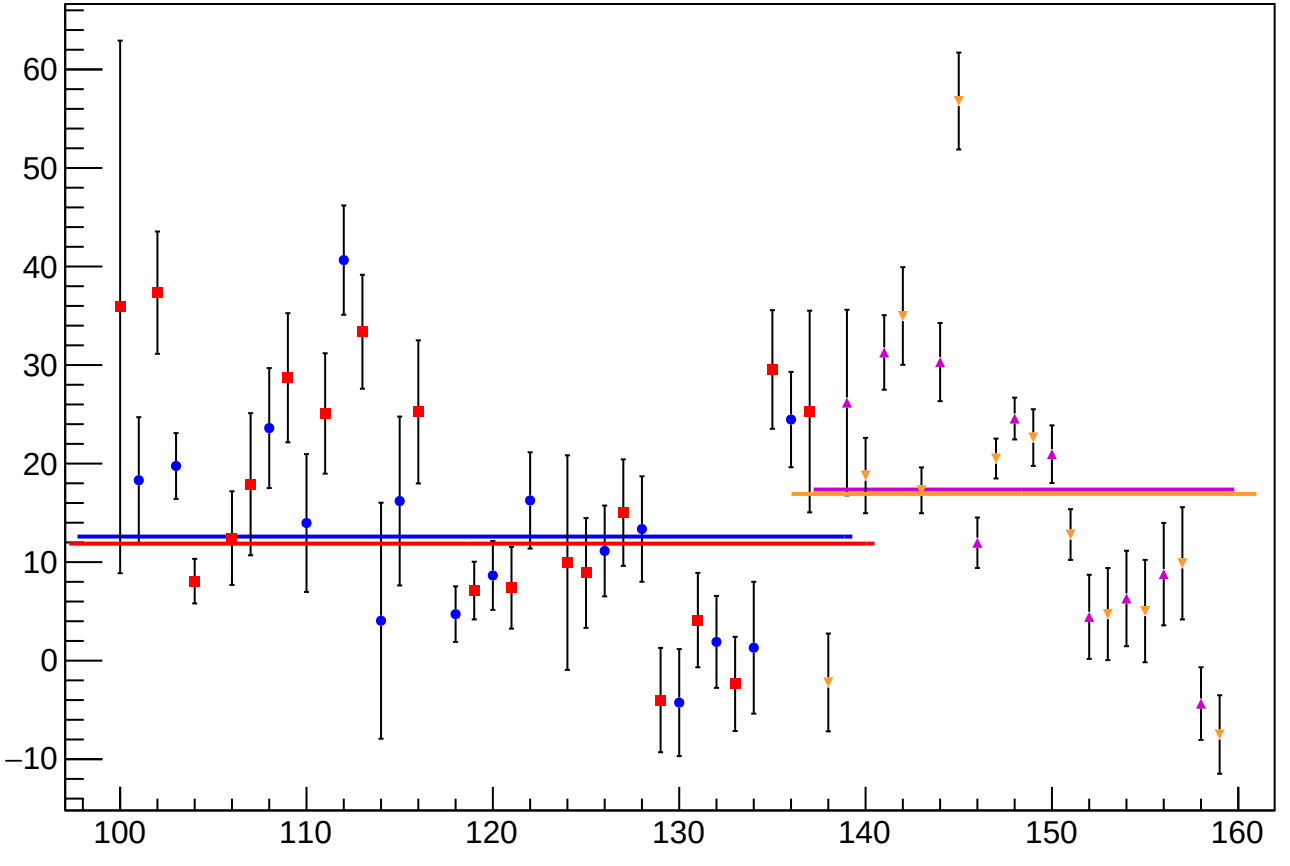
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -233.514+/-0.969 χ^2/NDF:5788.7/25

Out: -214.345+/-0.896 χ^2/NDF:7786.7/30

All: -223.171+/-0.658 χ^2/NDF: 13786.4/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 16.920+/-0.967 χ^2/NDF:154.9/11

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 17.364+/-1.088 χ^2/NDF:94.3/9

Left: 17.116+/-0.723 χ^2/NDF: 249.3/21

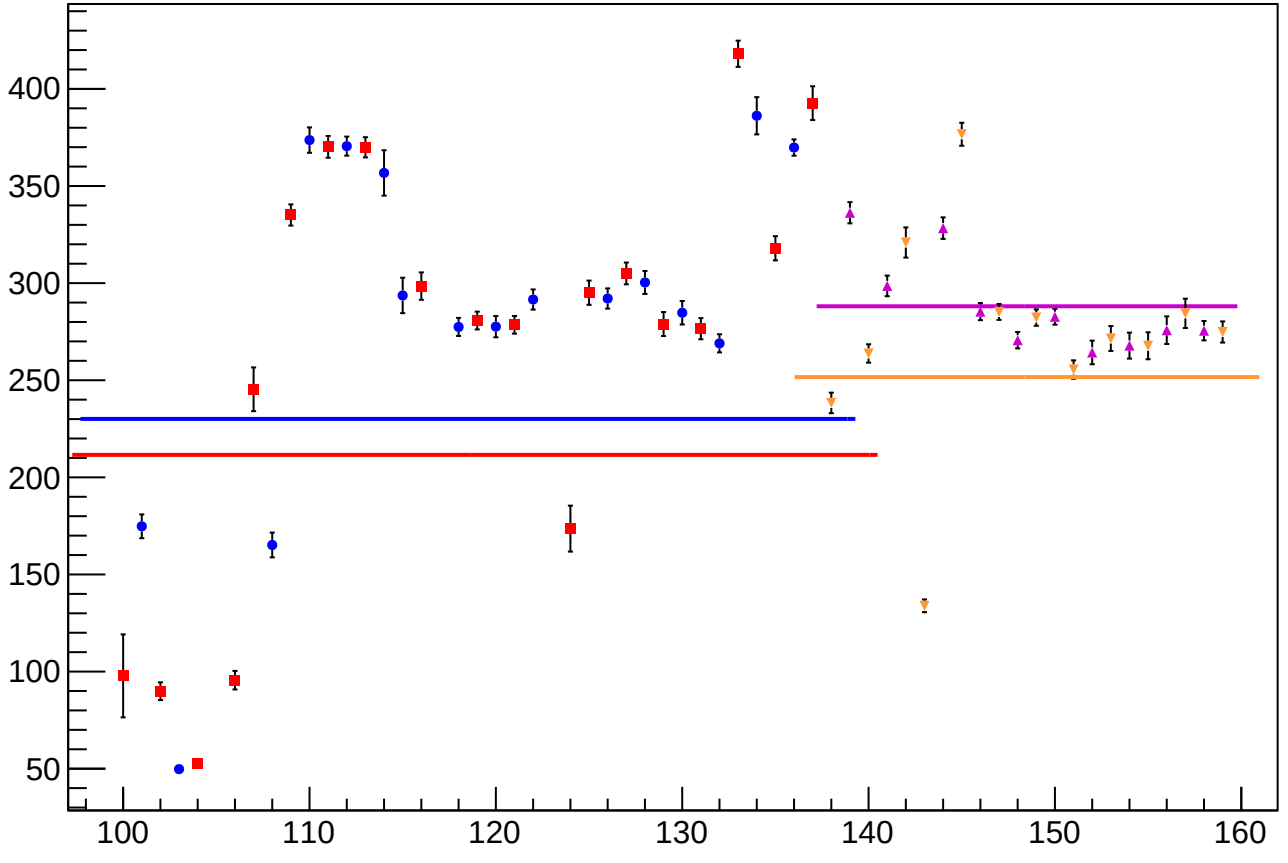
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 15.216+/-0.807 χ^2/NDF:171.5/25

Out: 14.770+/-0.733 χ^2/NDF:251.4/30

All: 14.971+/-0.542 χ^2/NDF: 423.0/56

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: 251.636+/-1.454 χ^2/NDF:1984.3/11

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 288.082+/-1.625 χ^2/NDF:187.2/9

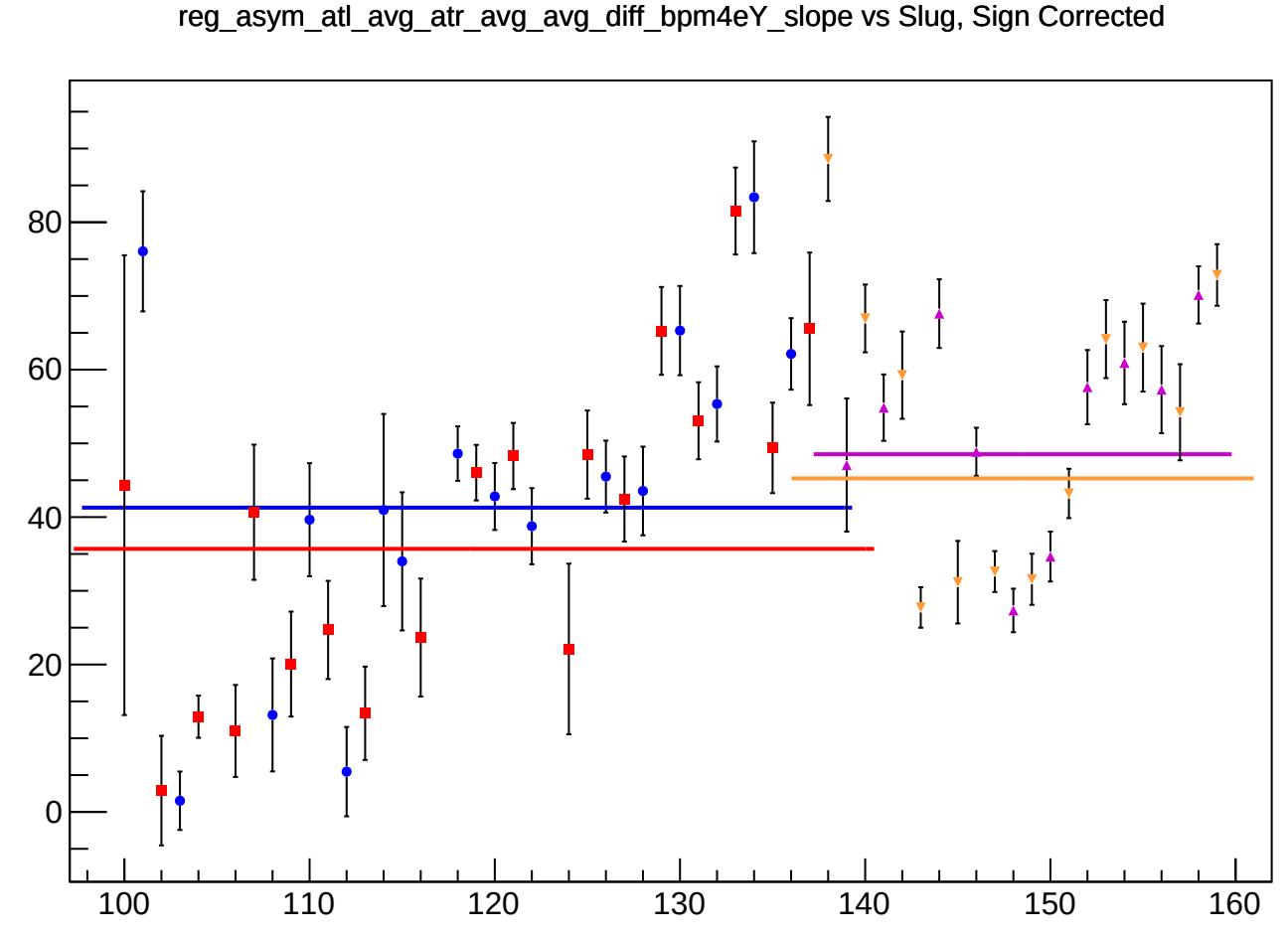
Left: 267.835+/-1.083 χ^2/NDF: 2450.8/21

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

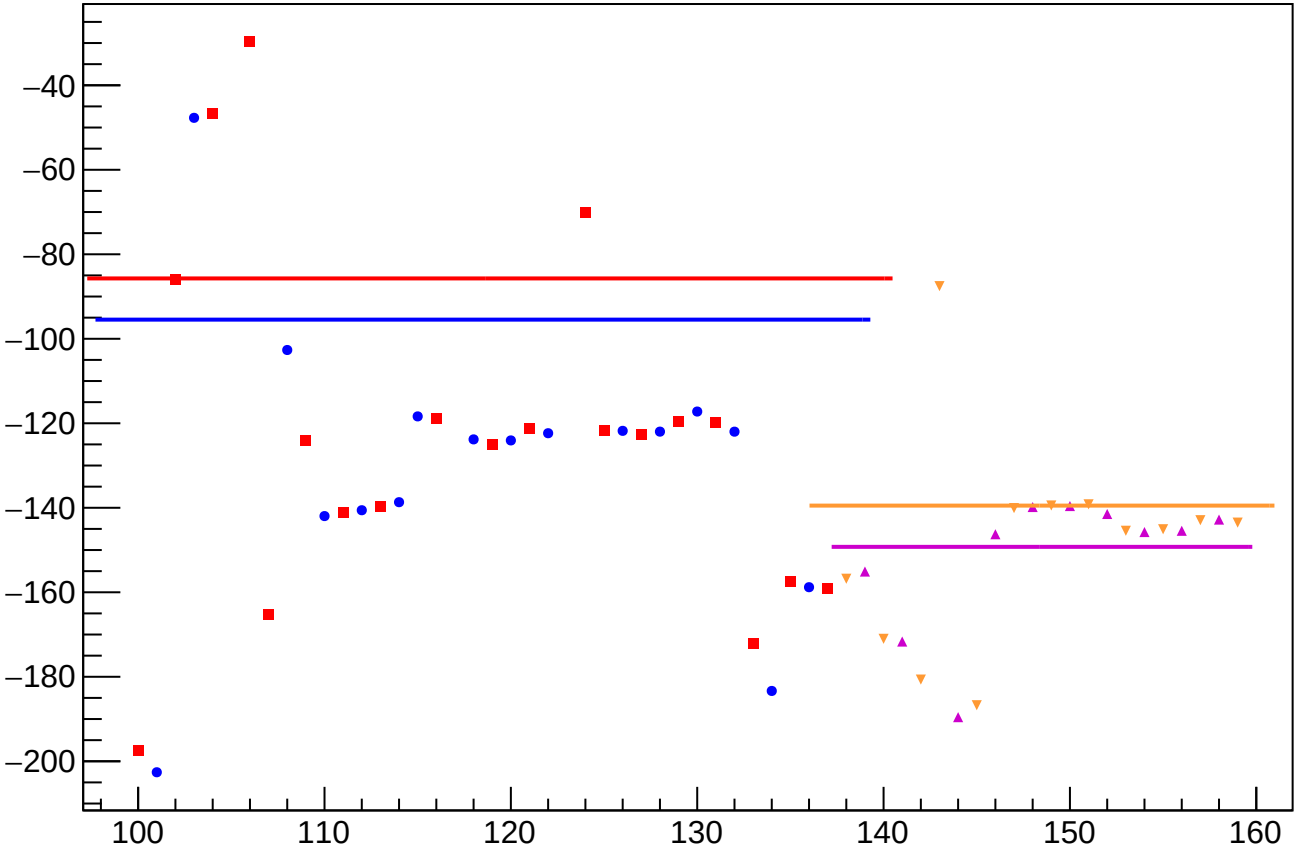
In: 251.855+/-0.996 χ^2/NDF:10358.1/25

Out: 227.743+/-0.923 χ^2/NDF:13909.3/30

All: 238.891+/-0.677 χ^2/NDF: 24582.7/56


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
110
120
130
140
150
160
Right In: 41.282+/-1.398 χ²/NDF: 245.8/15
Left Out: 45.249+/-1.180 χ²/NDF:236.3/11
Right Out: 35.692+/-1.317 χ²/NDF: 253.2/18
Left In: 48.530+/-1.324 χ²/NDF:128.6/9
Left: 46.701+/-0.881 χ²/NDF: 368.3/21
Right: 38.321+/-0.958 χ²/NDF: 507.4/34
In: 45.100+/-0.961 χ²/NDF:388.5/25
Out: 40.992+/-0.879 χ²/NDF:518.7/30
All: 42.862+/-0.649 χ²/NDF: 917.2/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.485+/-0.058 χ^2/NDF:230956.4/11

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -149.247+/-0.063 χ^2/NDF:47609.2/9

Left: -143.983+/-0.043 χ^2/NDF: 291673.9/21

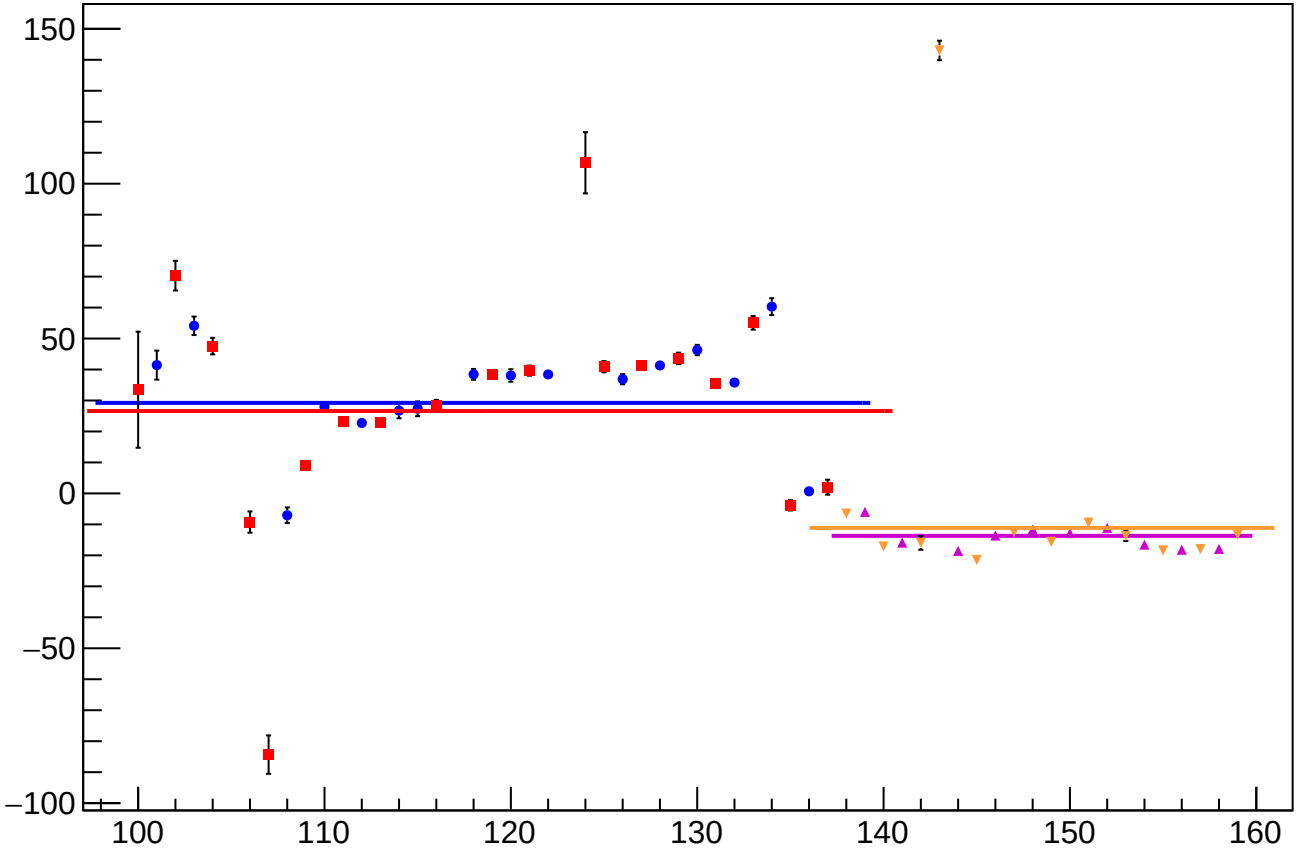
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -125.135+/-0.047 χ^2/NDF:898323.6/25

Out: -116.489+/-0.044 χ^2/NDF:1082701.3/30

All: -120.552+/-0.032 χ^2/NDF: 1999350.5/56

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: -11.130+/-0.448 χ^2/NDF:2527.5/11

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

Left: -12.388+/-0.320 χ^2/NDF: 2620.4/21

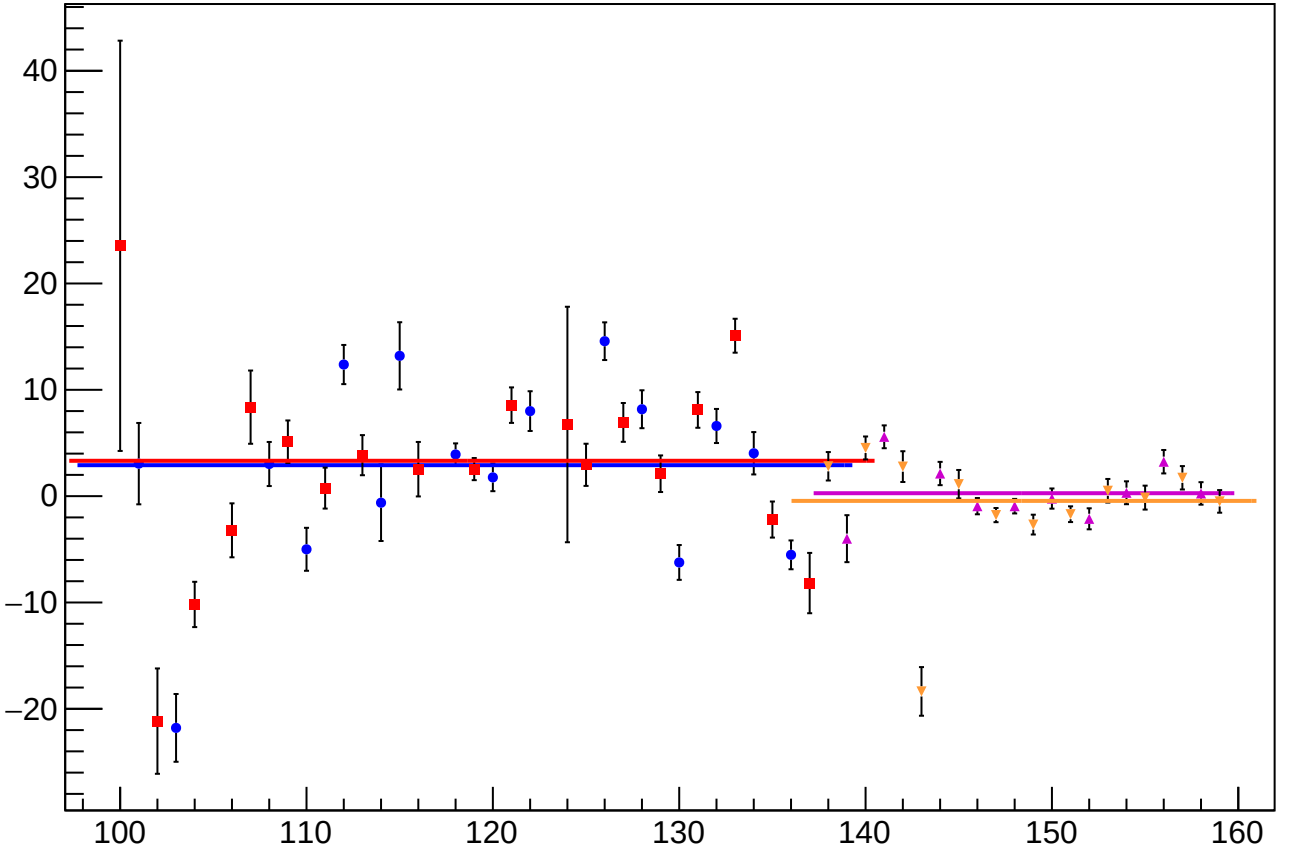
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 9.378+/-0.311 χ^2/NDF:6153.9/25

Out: 9.213+/-0.304 χ^2/NDF:8276.9/30

All: 9.293+/-0.217 χ^2/NDF: 14430.9/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.446+/-0.299 χ^2/NDF:112.2/11

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

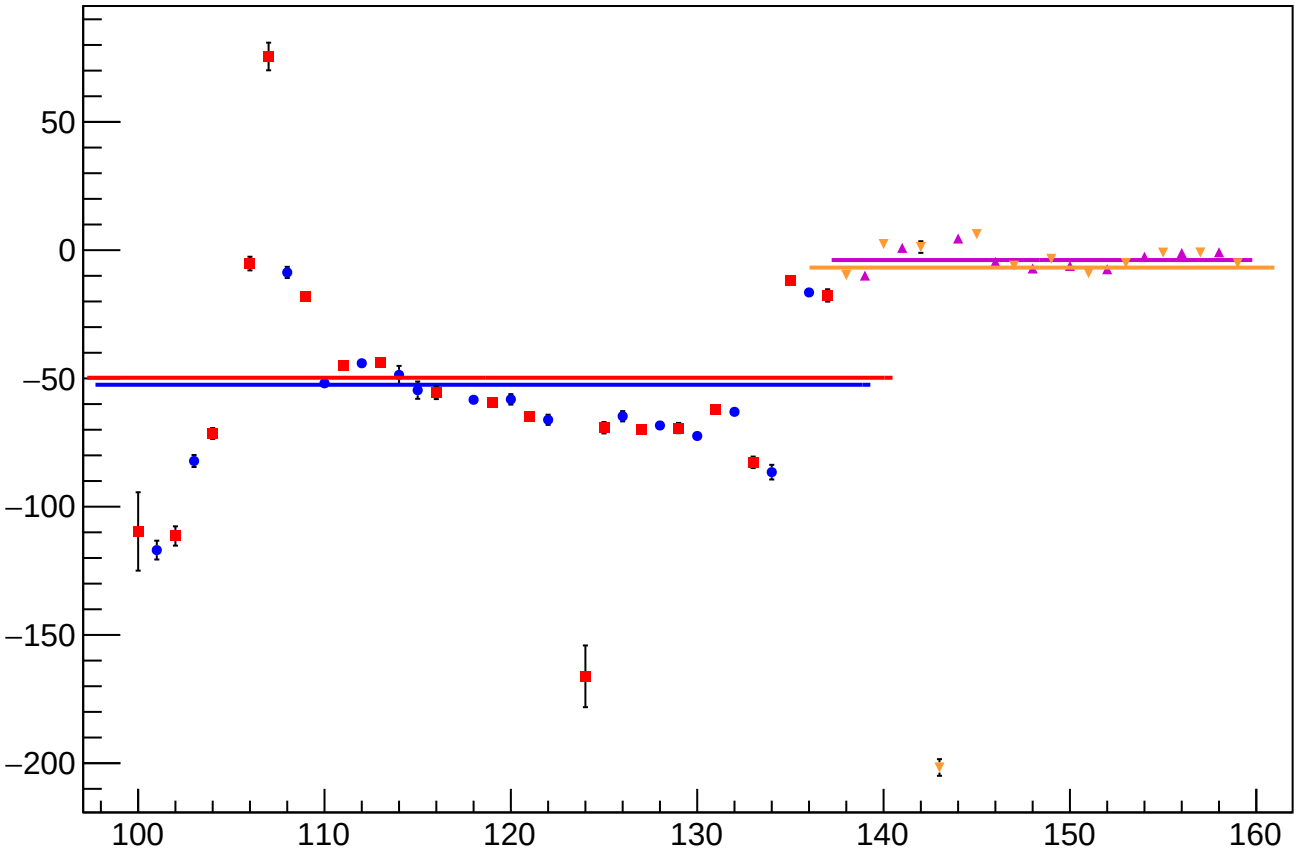
Left: -0.097+/-0.215 χ^2/NDF: 165.2/21

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.140+/-0.253 χ^2/NDF:324.0/25

Out: 0.696+/-0.250 χ^2/NDF:342.2/30

All: 0.915+/-0.178 χ^2/NDF: 667.8/56



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.790+/-0.433 χ^2/NDF:3785.3/11

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

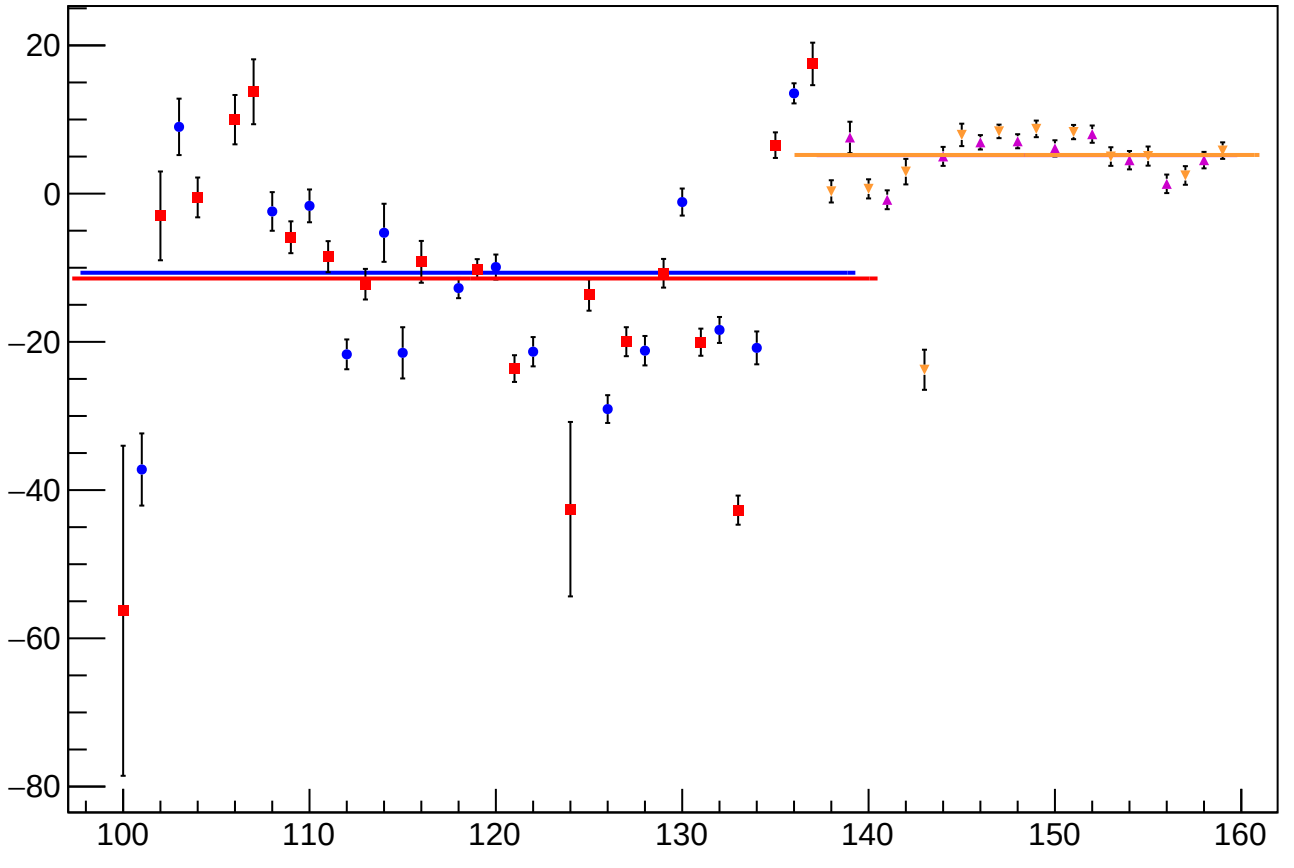
Left: -5.347+/-0.309 χ^2/NDF: 3895.2/21

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -25.775+/-0.328 χ^2/NDF:7871.9/25

Out: -25.464+/-0.326 χ^2/NDF:11065.2/30

All: -25.619+/-0.231 χ^2/NDF: 18937.6/56



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.217+/-0.360 χ^2/NDF:180.5/11

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

Left: 5.206+/-0.258 χ^2/NDF: 228.0/21

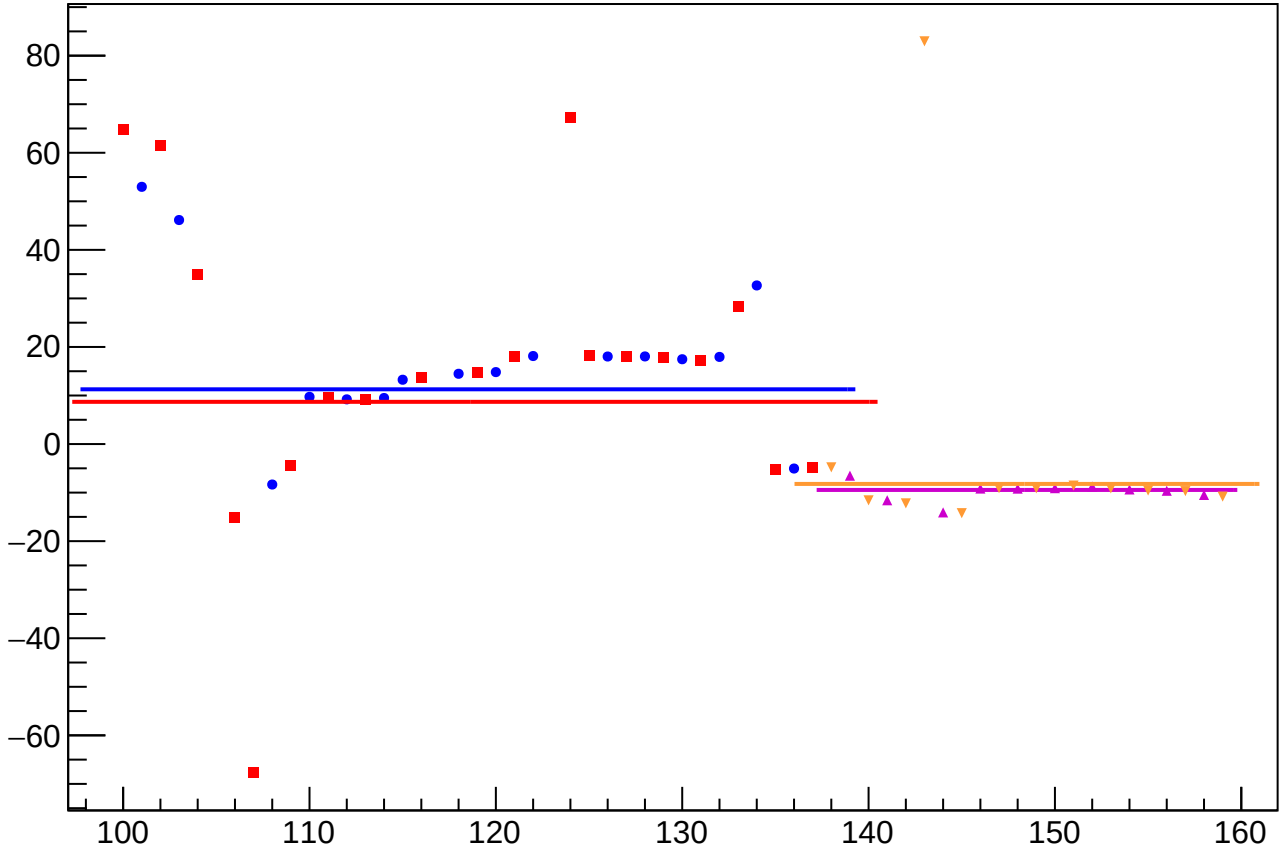
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.352+/-0.299 χ^2/NDF:1355.2/25

Out: -0.244+/-0.295 χ^2/NDF:1547.5/30

All: -0.297+/-0.210 χ^2/NDF: 2902.8/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.212+/-0.016 χ^2/NDF:479529.4/11

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

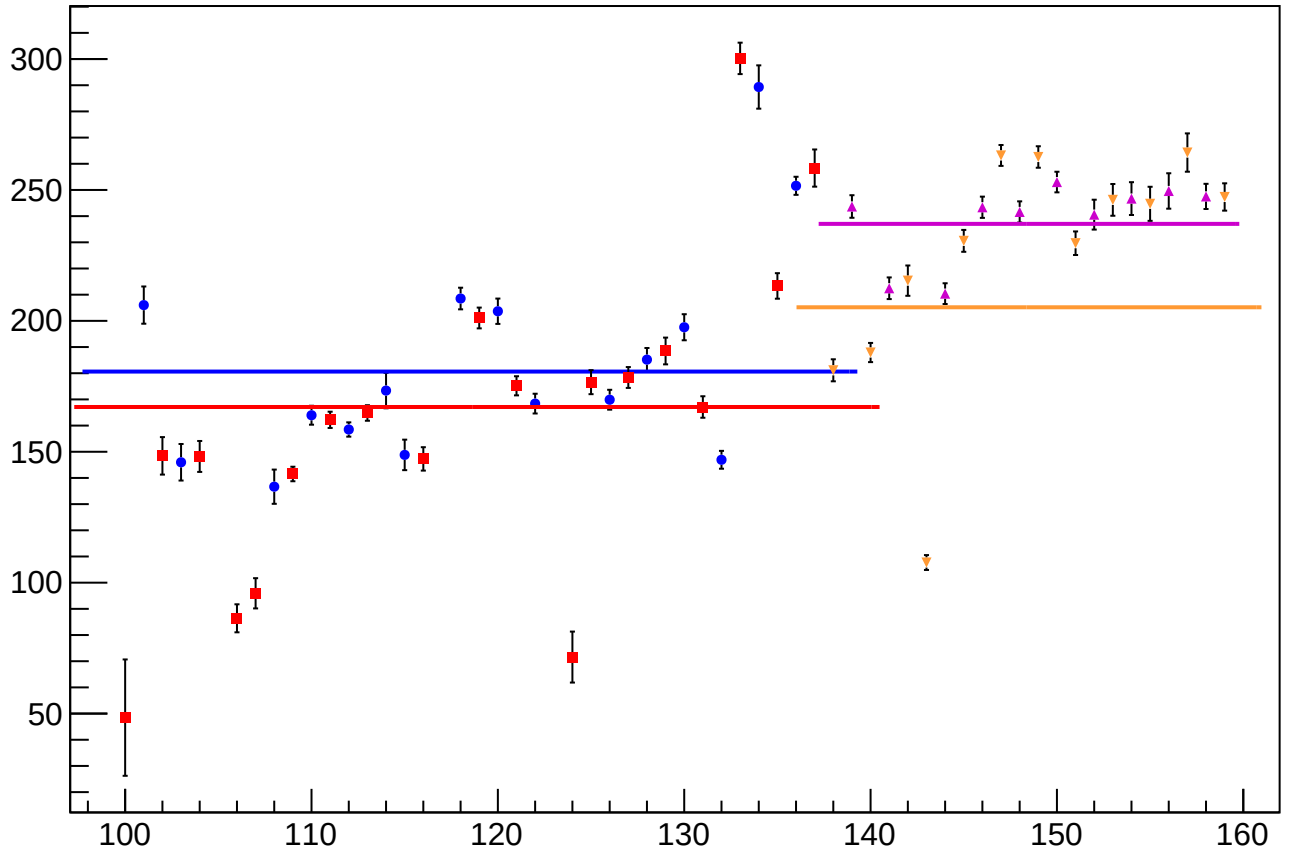
Left: -8.828+/-0.012 χ^2/NDF: 493061.7/21

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.563+/-0.015 χ^2/NDF:726816.4/25

Out: -4.557+/-0.015 χ^2/NDF:1142718.6/30

All: -4.560+/-0.010 χ^2/NDF: 1869535.1/56



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.186+/-1.270 χ^2/NDF:1921.4/11

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

Left: 219.154+/-0.952 χ^2/NDF: 2311.3/21

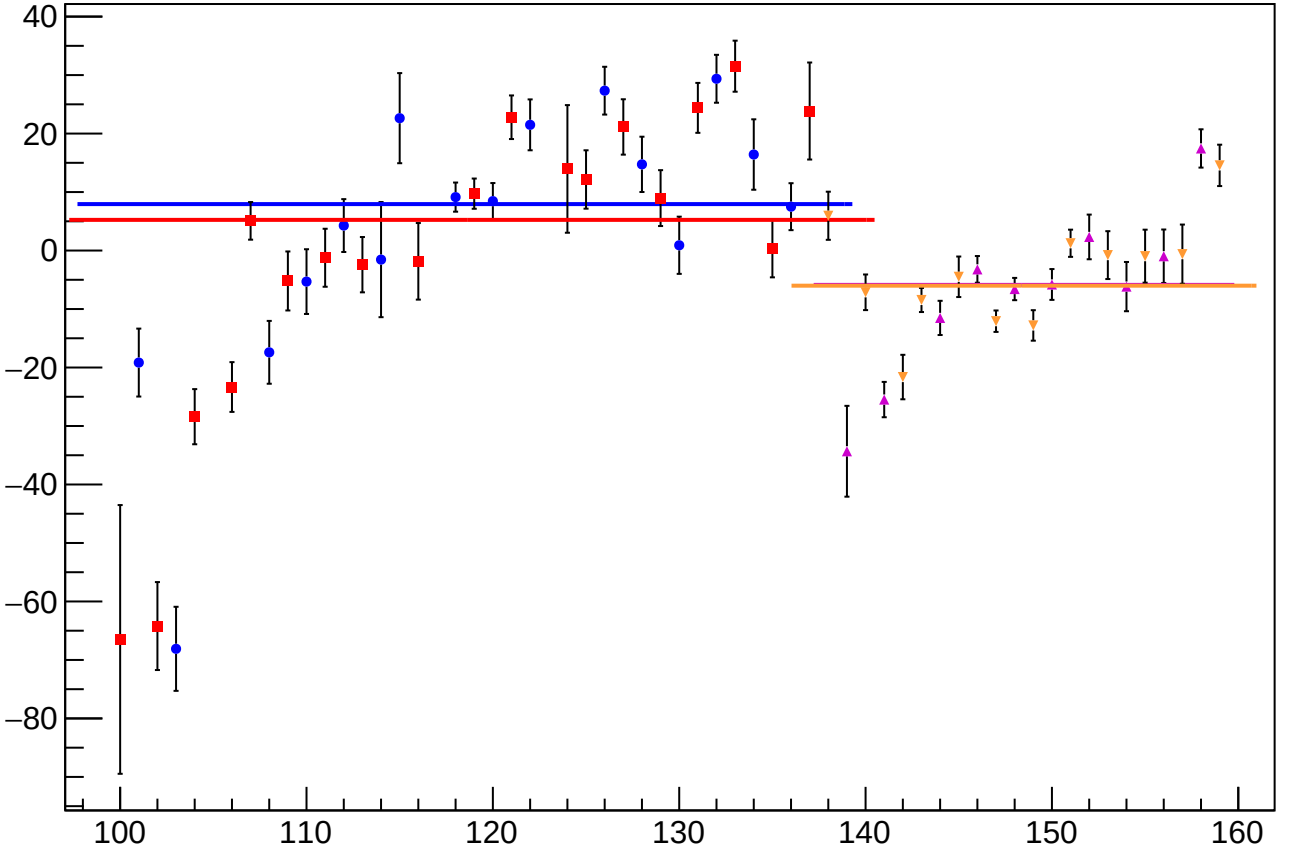
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.215+/-0.868 χ^2/NDF:2085.4/25

Out: 182.045+/-0.796 χ^2/NDF:3952.1/30

All: 190.794+/-0.587 χ^2/NDF: 6302.4/56

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: -6.008+/-0.841 χ^2/NDF:92.4/11

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

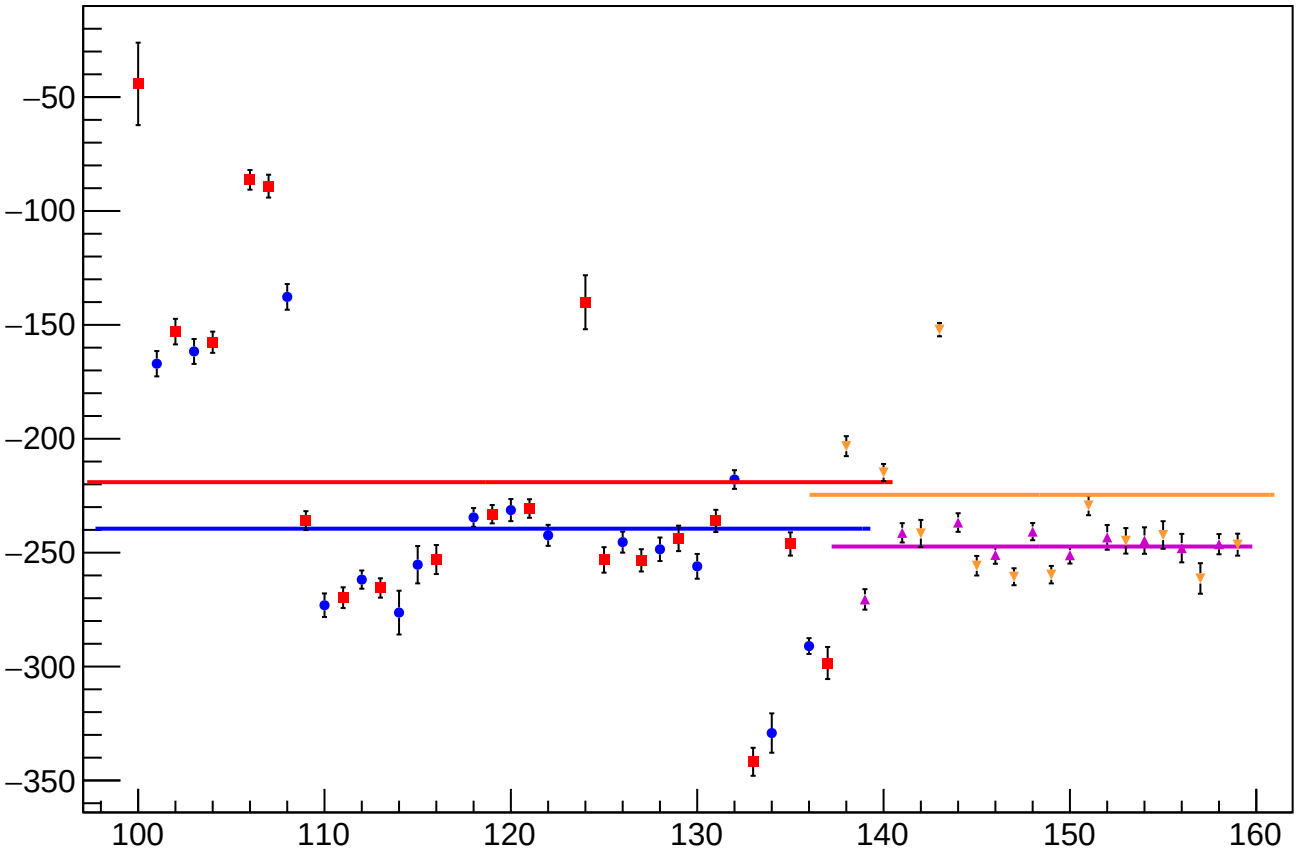
Left: -5.948+/-0.628 χ^2/NDF: 209.7/21

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.091+/-0.720 χ^2/NDF:439.7/25

Out: -1.669+/-0.660 χ^2/NDF:464.3/30

All: -0.949+/-0.486 χ^2/NDF: 906.6/56



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.601+/-1.249 χ^2/NDF:956.7/11

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

Left: -234.722+/-0.930 χ^2/NDF: 1145.2/21

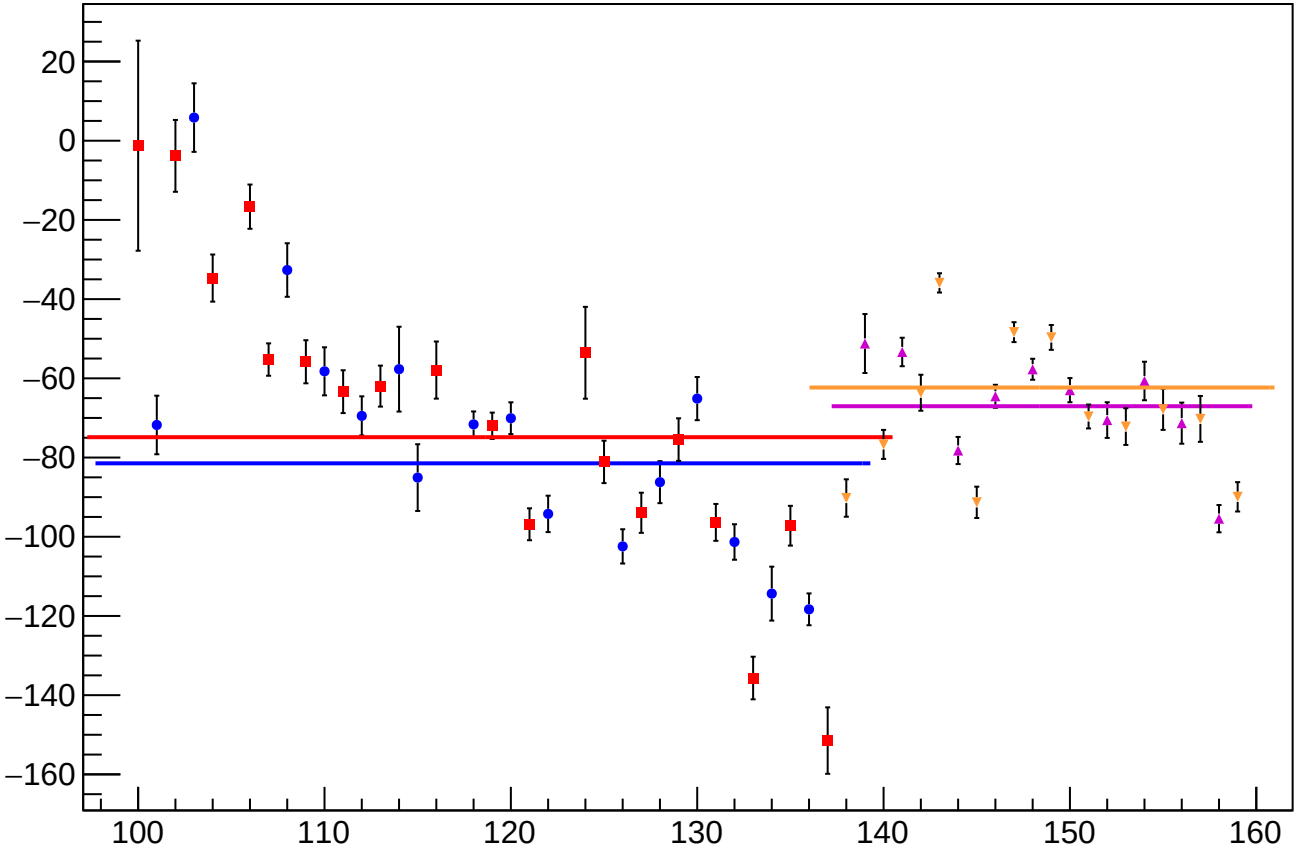
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.952+/-0.928 χ^2/NDF:1221.0/25

Out: -221.661+/-0.856 χ^2/NDF:4016.4/30

All: -231.447+/-0.629 χ^2/NDF: 5521.6/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -62.320+/-1.023 χ^2/NDF:337.7/11

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

Left: -64.415+/-0.763 χ^2/NDF: 462.7/21

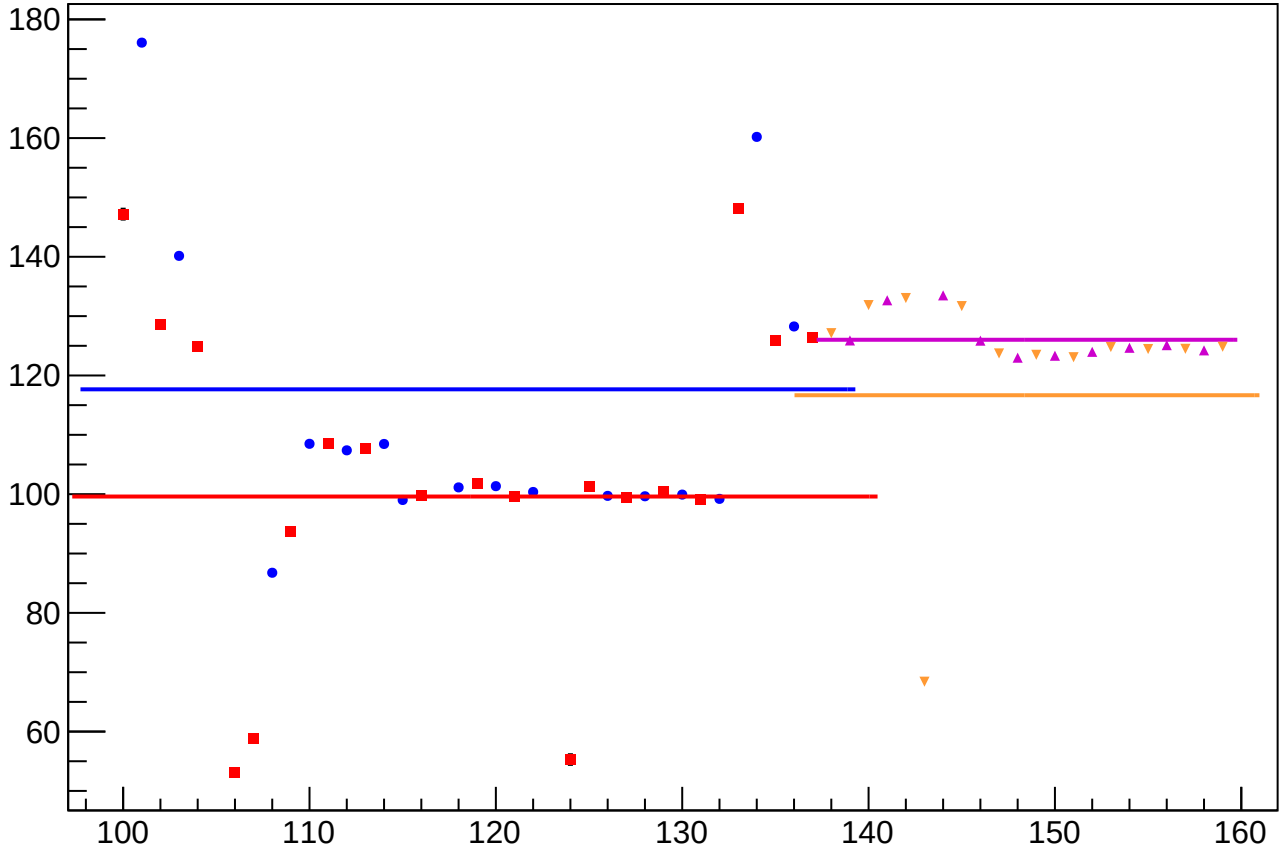
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.416+/-0.856 χ^2/NDF:552.1/25

Out: -67.446+/-0.786 χ^2/NDF:975.8/30

All: -70.180+/-0.579 χ^2/NDF: 1554.3/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.672+/-0.050 χ^2/NDF:193338.3/11

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

Left: 120.976+/-0.037 χ^2/NDF: 213734.0/21

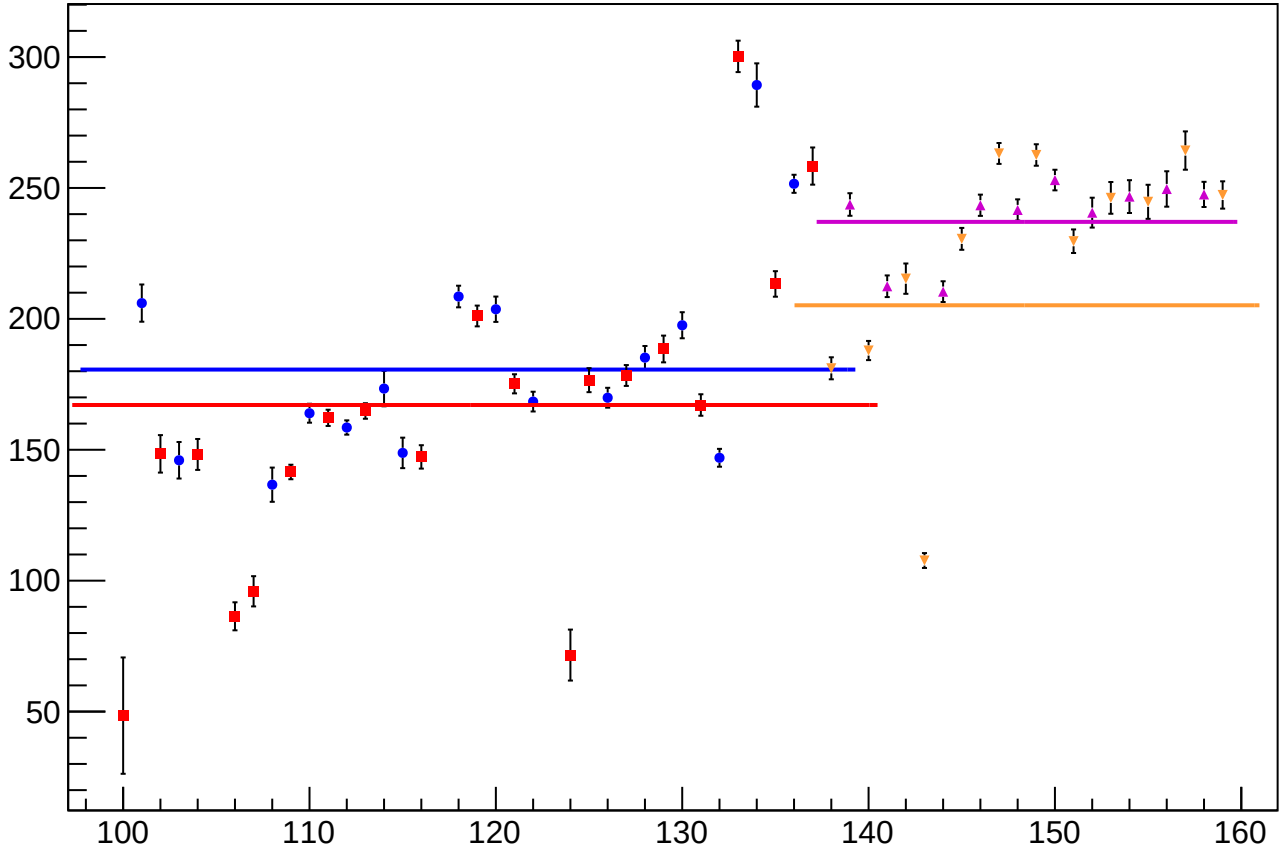
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.331+/-0.044 χ^2/NDF:107295.0/25

Out: 110.970+/-0.041 χ^2/NDF:398823.5/30

All: 116.606+/-0.030 χ^2/NDF: 548313.9/56

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: 205.186+/-1.270 χ^2/NDF:1921.4/11

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

Left: 219.154+/-0.952 χ^2/NDF: 2311.3/21

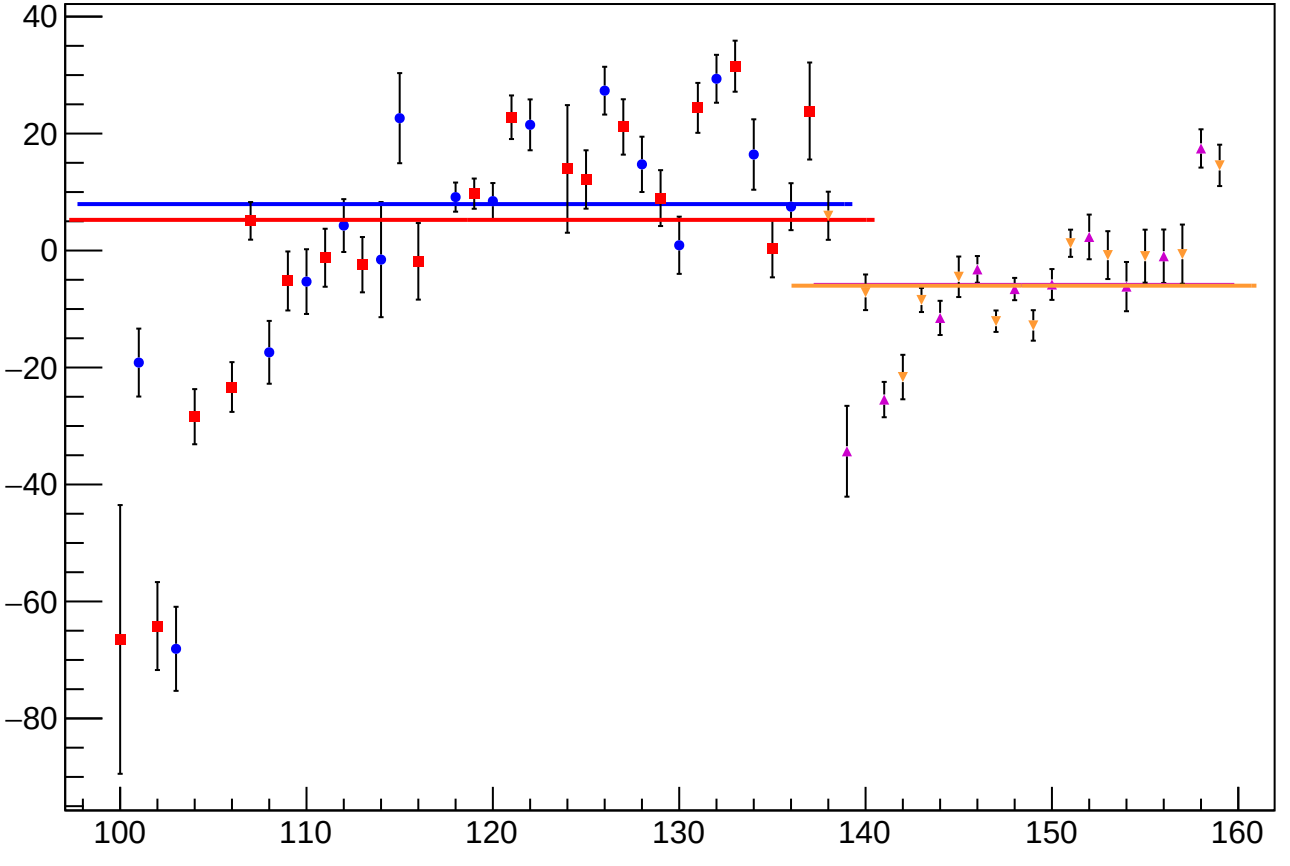
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.215+/-0.868 χ^2/NDF:2085.4/25

Out: 182.045+/-0.796 χ^2/NDF:3952.1/30

All: 190.794+/-0.587 χ^2/NDF: 6302.4/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -6.008+/-0.841 χ^2/NDF:92.4/11

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

Left: -5.948+/-0.628 χ^2/NDF: 209.7/21

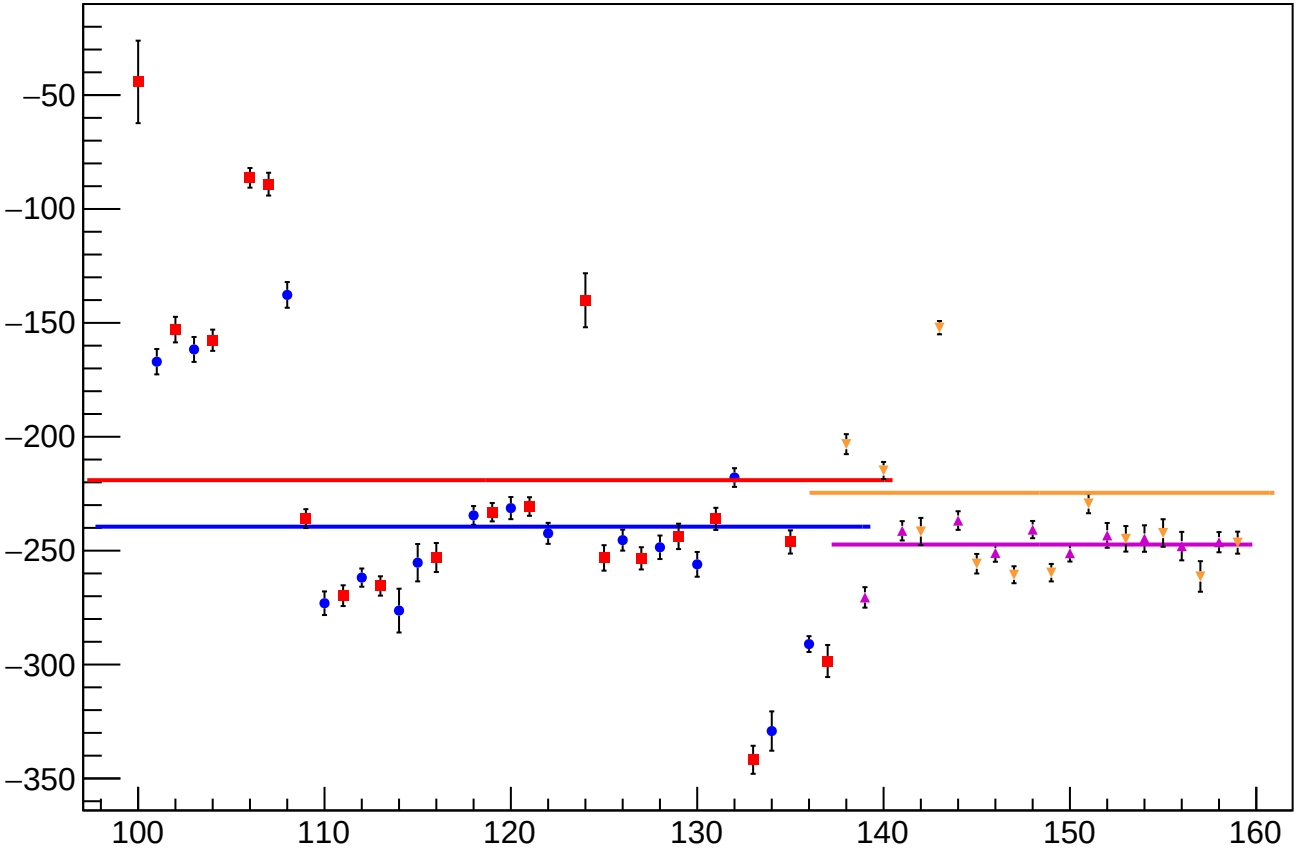
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.091+/-0.720 χ^2/NDF:439.7/25

Out: -1.669+/-0.660 χ^2/NDF:464.3/30

All: -0.949+/-0.486 χ^2/NDF: 906.6/56

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: -224.601+/-1.249 χ^2/NDF:956.7/11

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

Left: -234.722+/-0.930 χ^2/NDF: 1145.2/21

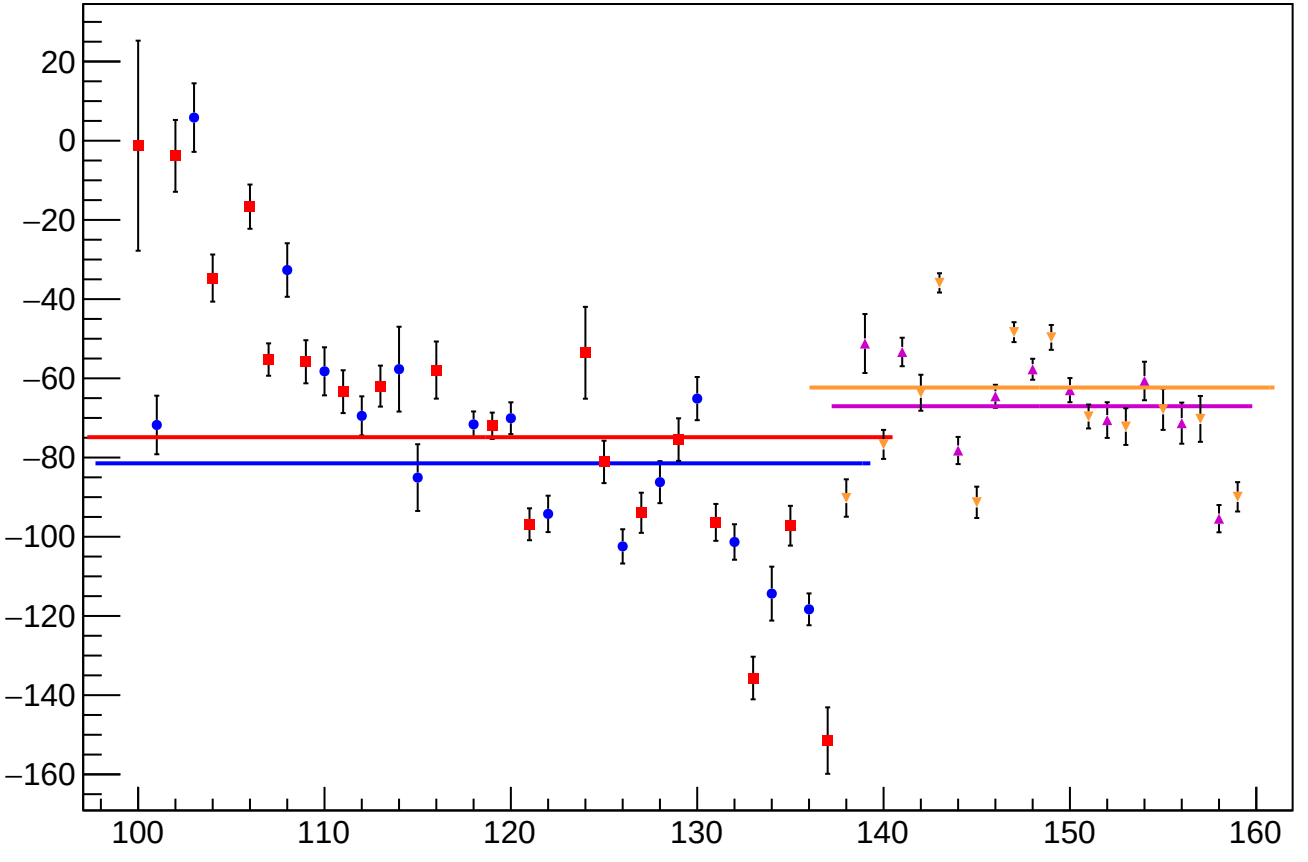
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.952+/-0.928 χ^2/NDF:1221.0/25

Out: -221.661+/-0.856 χ^2/NDF:4016.4/30

All: -231.447+/-0.629 χ^2/NDF: 5521.6/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -62.320+/-1.023 χ^2/NDF:337.7/11

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

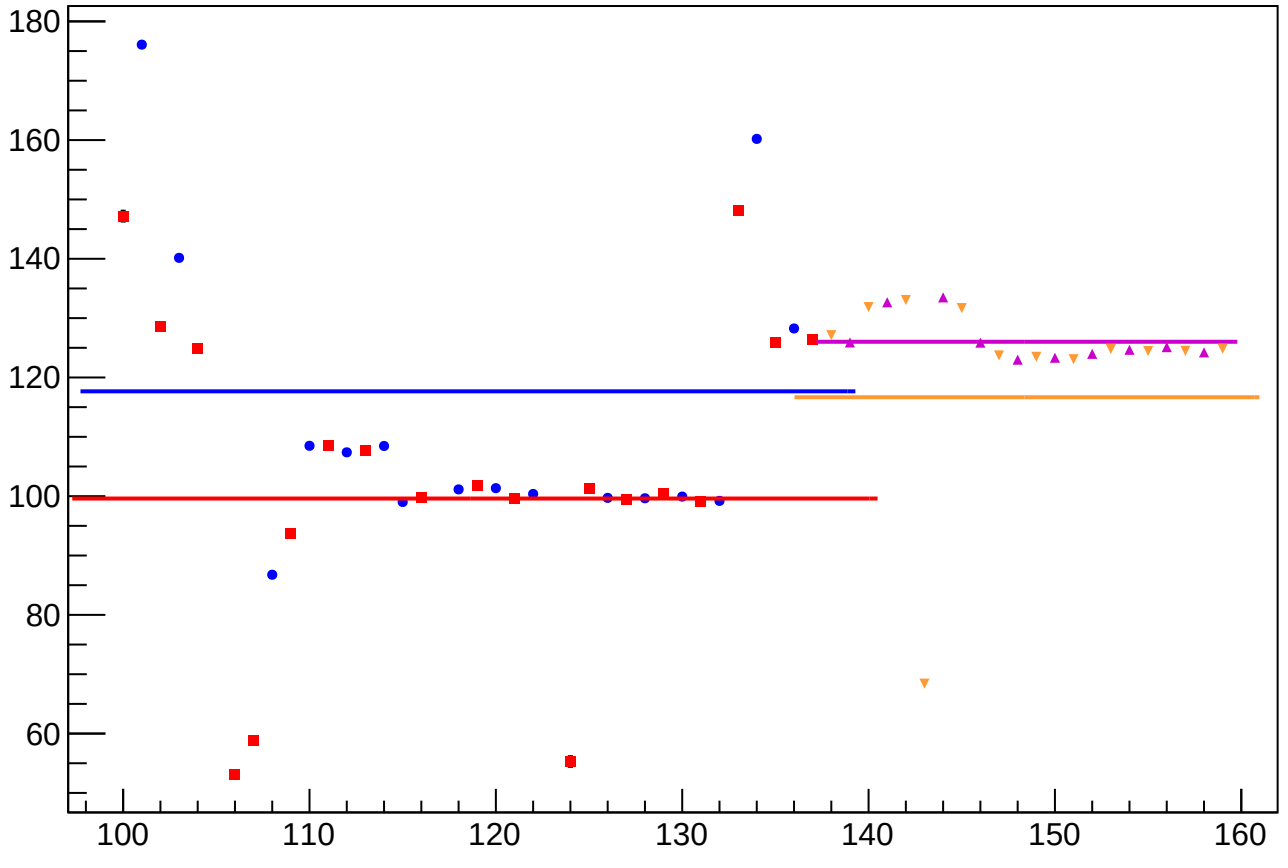
Left: -64.415+/-0.763 χ^2/NDF: 462.7/21

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.416+/-0.856 χ^2/NDF:552.1/25

Out: -67.446+/-0.786 χ^2/NDF:975.8/30

All: -70.180+/-0.579 χ^2/NDF: 1554.3/56



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.672+/-0.050 χ^2/NDF:193338.3/11

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

Left: 120.976+/-0.037 χ^2/NDF: 213734.0/21

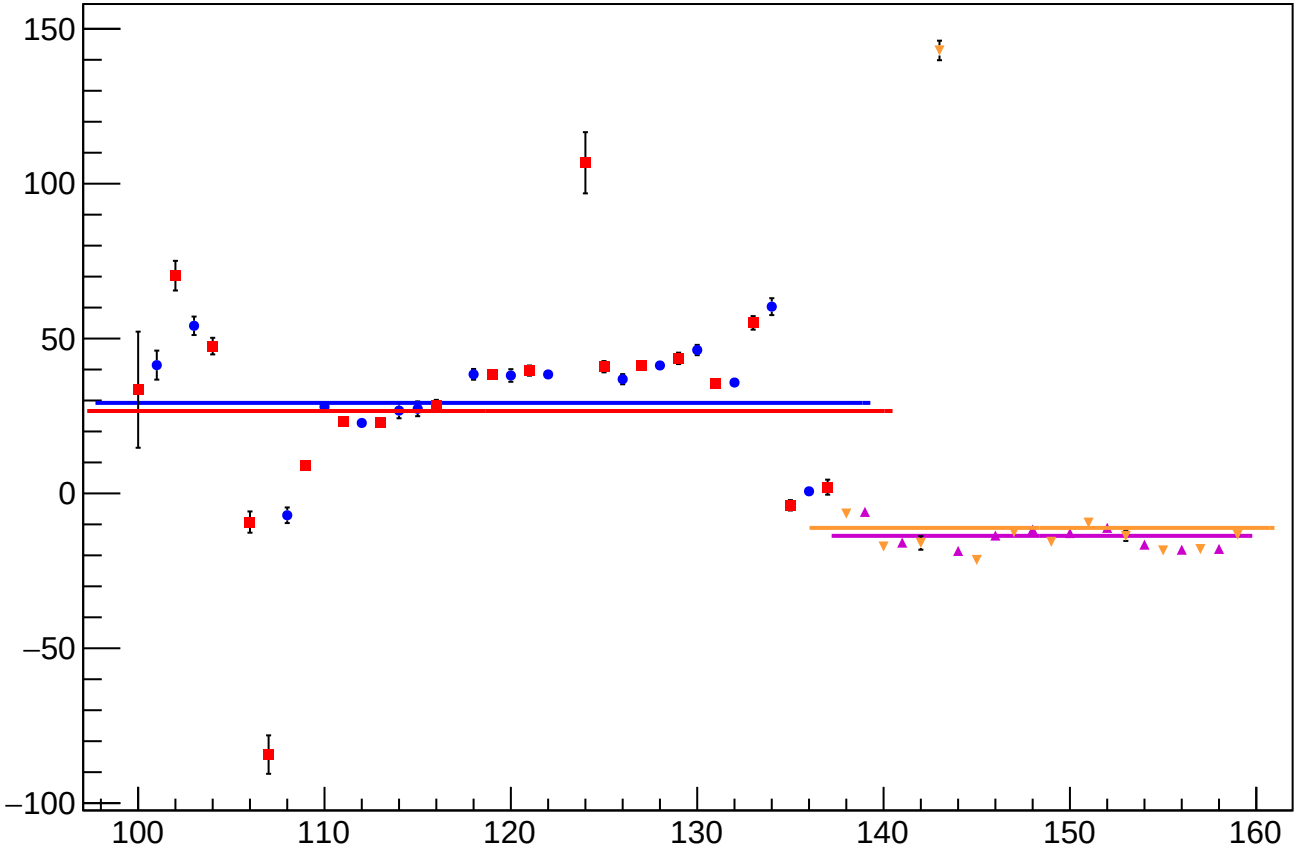
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.331+/-0.044 χ^2/NDF:107295.0/25

Out: 110.970+/-0.041 χ^2/NDF:398823.5/30

All: 116.606+/-0.030 χ^2/NDF: 548313.9/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.130+/-0.448 χ^2/NDF:2527.5/11

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

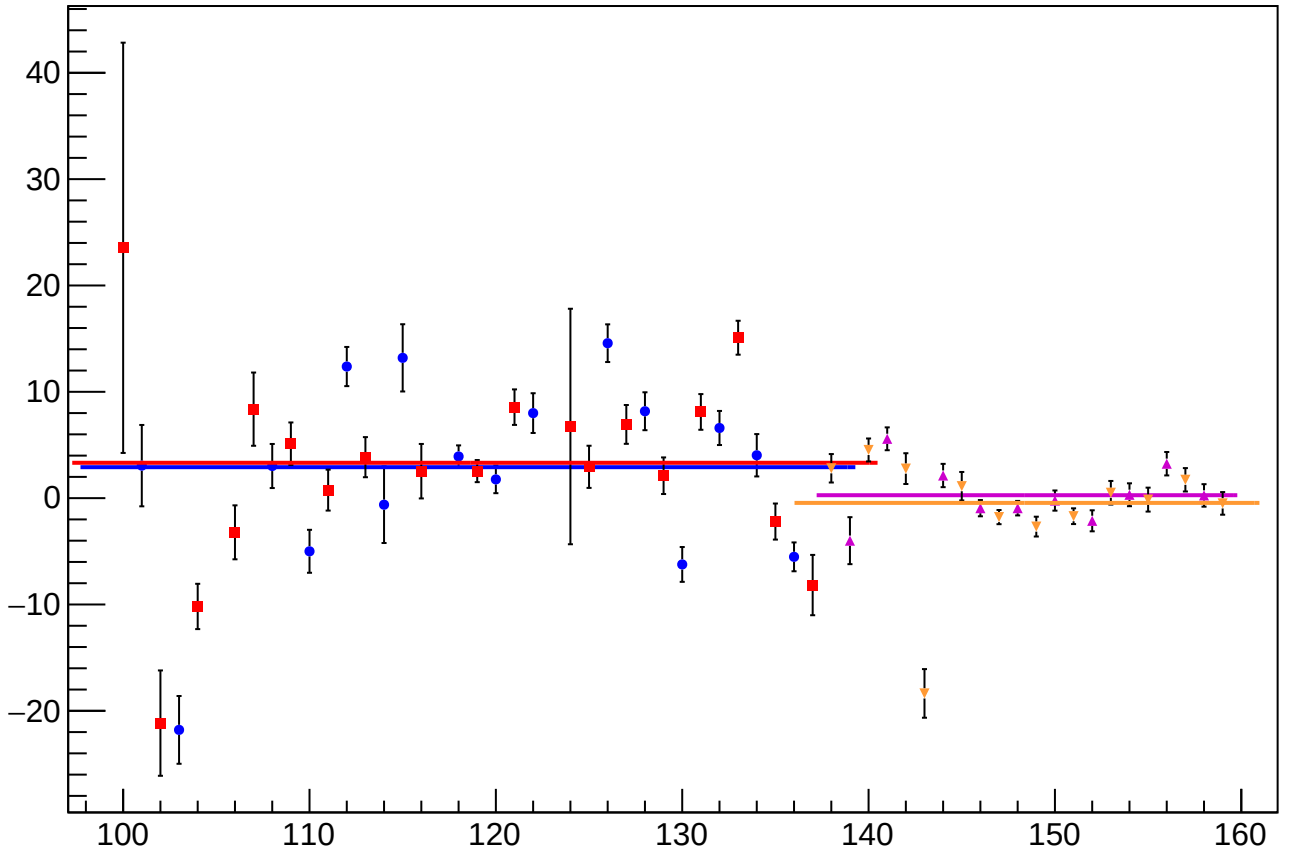
Left: -12.388+/-0.320 χ^2/NDF: 2620.4/21

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 9.378+/-0.311 χ^2/NDF:6153.9/25

Out: 9.213+/-0.304 χ^2/NDF:8276.9/30

All: 9.293+/-0.217 χ^2/NDF: 14430.9/56



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.446+/-0.299 χ^2/NDF:112.2/11

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

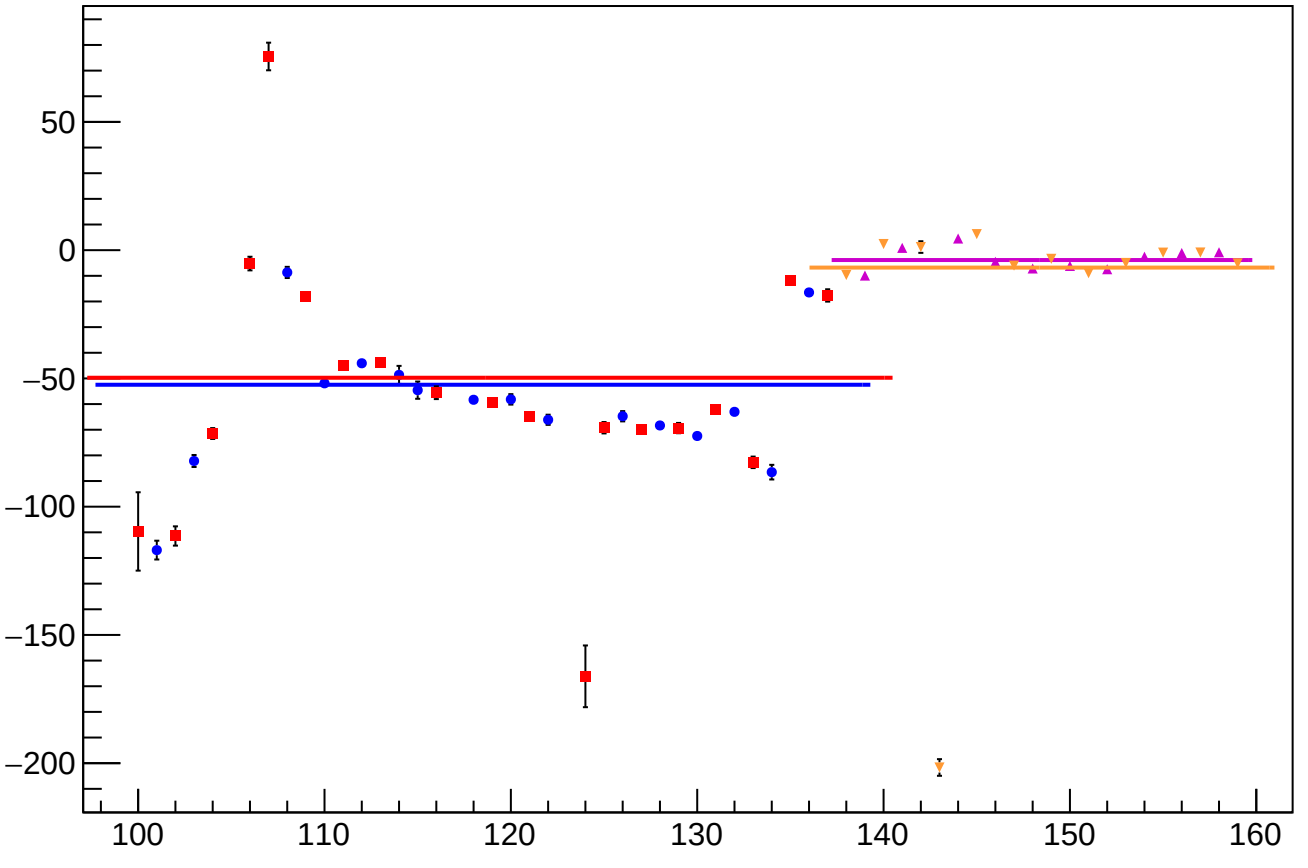
Left: -0.097+/-0.215 χ^2/NDF: 165.2/21

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.140+/-0.253 χ^2/NDF:324.0/25

Out: 0.696+/-0.250 χ^2/NDF:342.2/30

All: 0.915+/-0.178 χ^2/NDF: 667.8/56



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.790+/-0.433 χ^2/NDF:3785.3/11

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

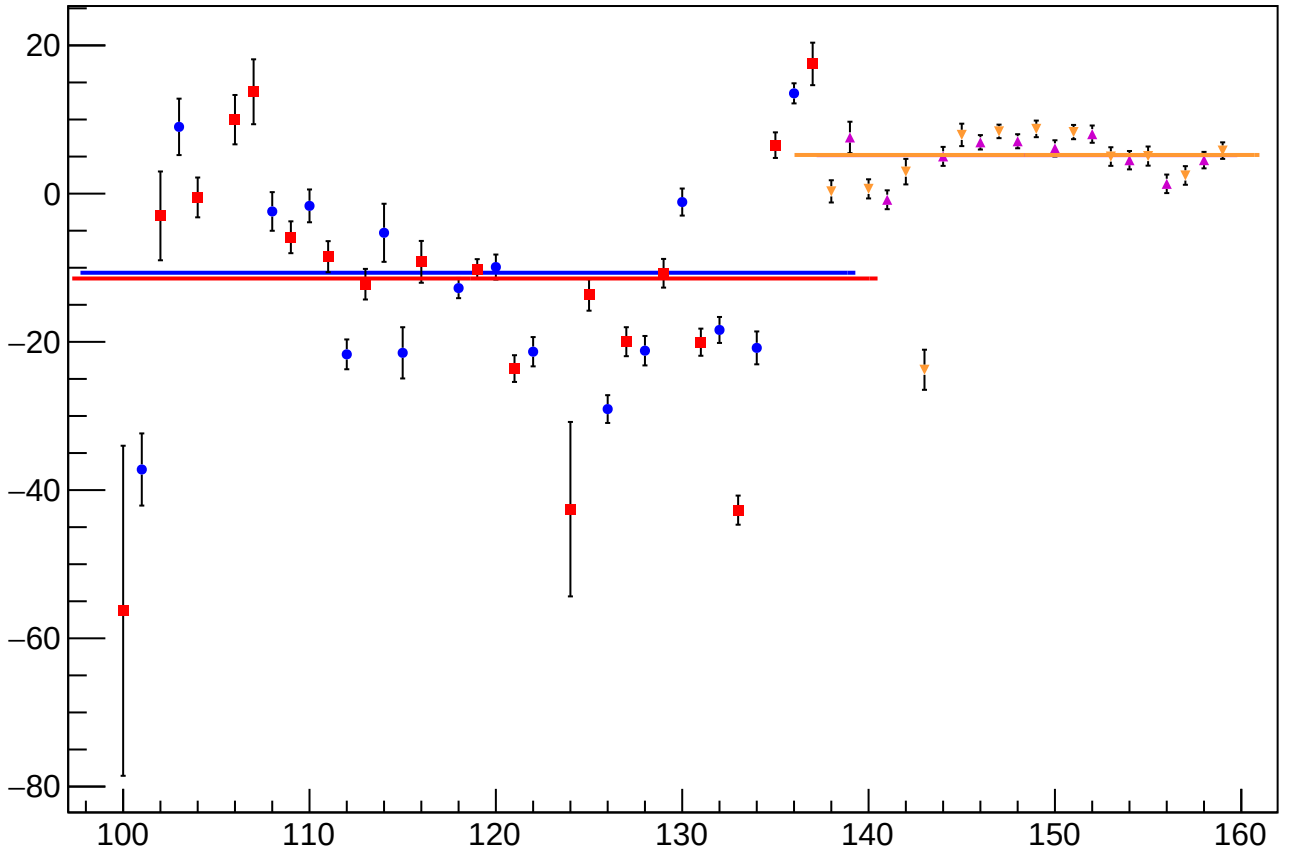
Left: -5.347+/-0.309 χ^2/NDF: 3895.2/21

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -25.775+/-0.328 χ^2/NDF:7871.9/25

Out: -25.464+/-0.326 χ^2/NDF:11065.2/30

All: -25.619+/-0.231 χ^2/NDF: 18937.6/56



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.217+/-0.360 χ^2/NDF:180.5/11

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

Left: 5.206+/-0.258 χ^2/NDF: 228.0/21

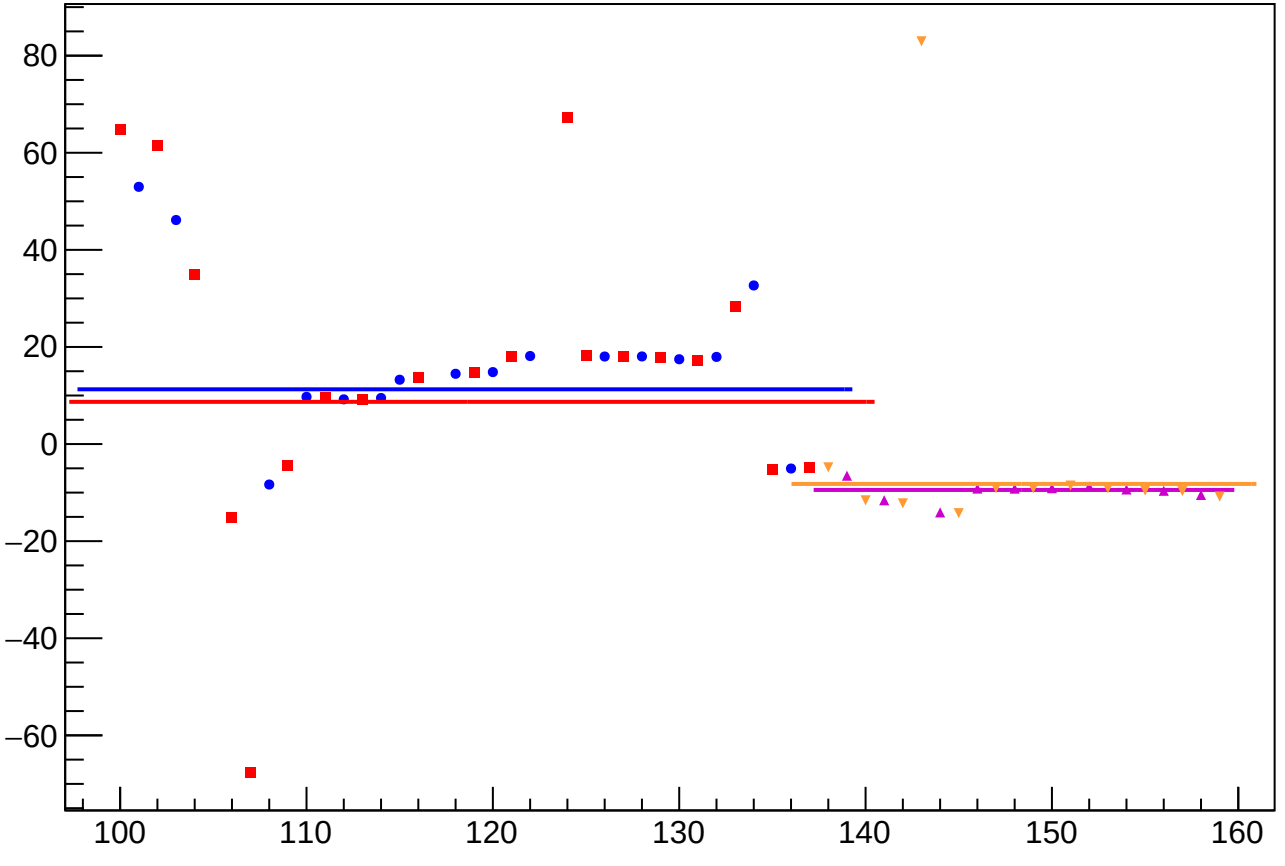
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.352+/-0.299 χ^2/NDF:1355.2/25

Out: -0.244+/-0.295 χ^2/NDF:1547.5/30

All: -0.297+/-0.210 χ^2/NDF: 2902.8/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.212+/-0.016 χ^2/NDF:479529.4/11

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

Left: -8.828+/-0.012 χ^2/NDF: 493061.7/21

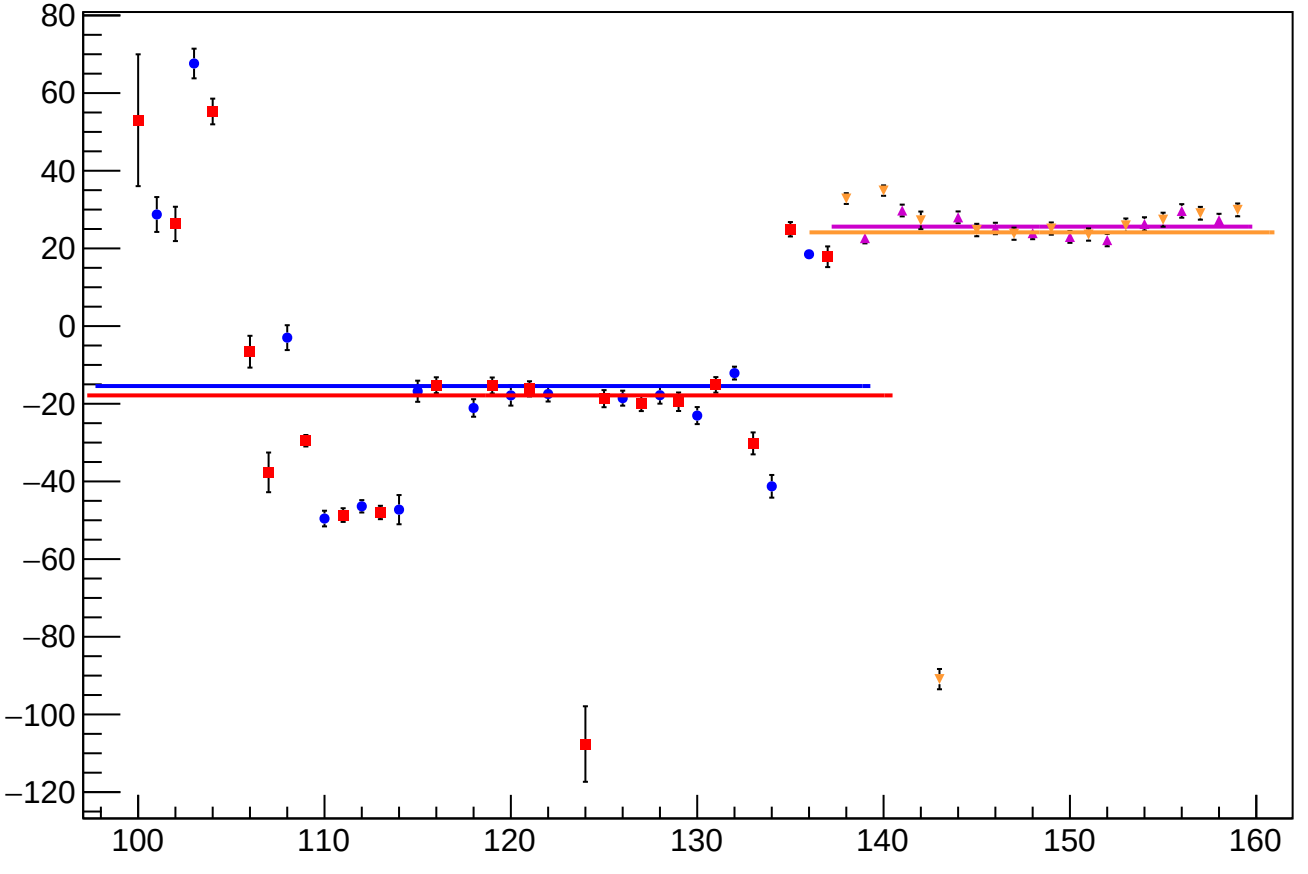
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.563+/-0.015 χ^2/NDF:726816.4/25

Out: -4.557+/-0.015 χ^2/NDF:1142718.6/30

All: -4.560+/-0.010 χ^2/NDF: 1869535.1/56

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: 24.135+/-0.478 χ^2/NDF:2071.0/11

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.611+/-0.492 χ^2/NDF:30.2/9

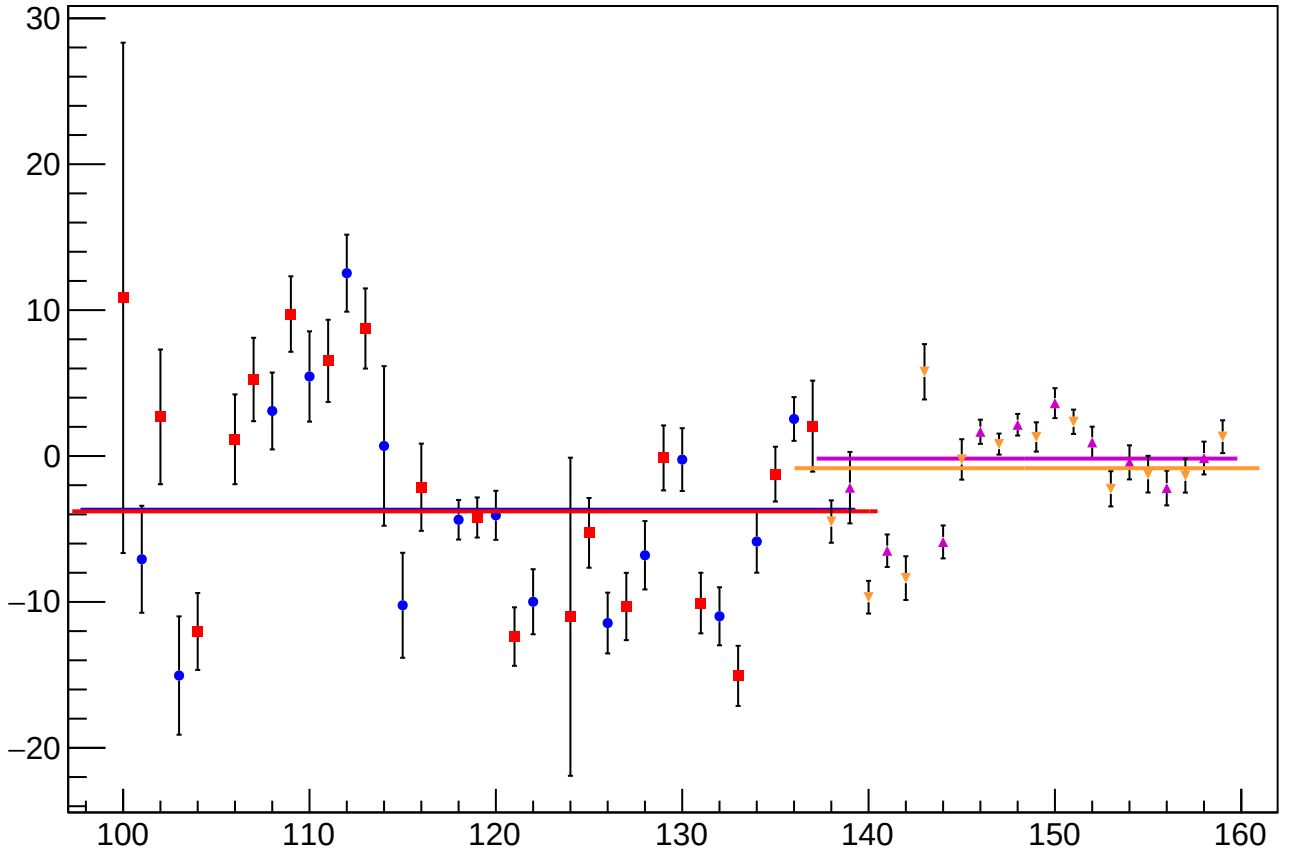
Left: 24.852+/-0.343 χ^2/NDF: 2105.8/21

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 6.949+/-0.363 χ^2/NDF:5317.1/25

Out: 5.282+/-0.355 χ^2/NDF:7658.0/30

All: 6.096+/-0.254 χ^2/NDF: 12985.8/56



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.834+/-0.321 χ^2/NDF:135.9/11

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.175+/-0.332 χ^2/NDF:90.7/9

Left: -0.516+/-0.231 χ^2/NDF: 228.7/21

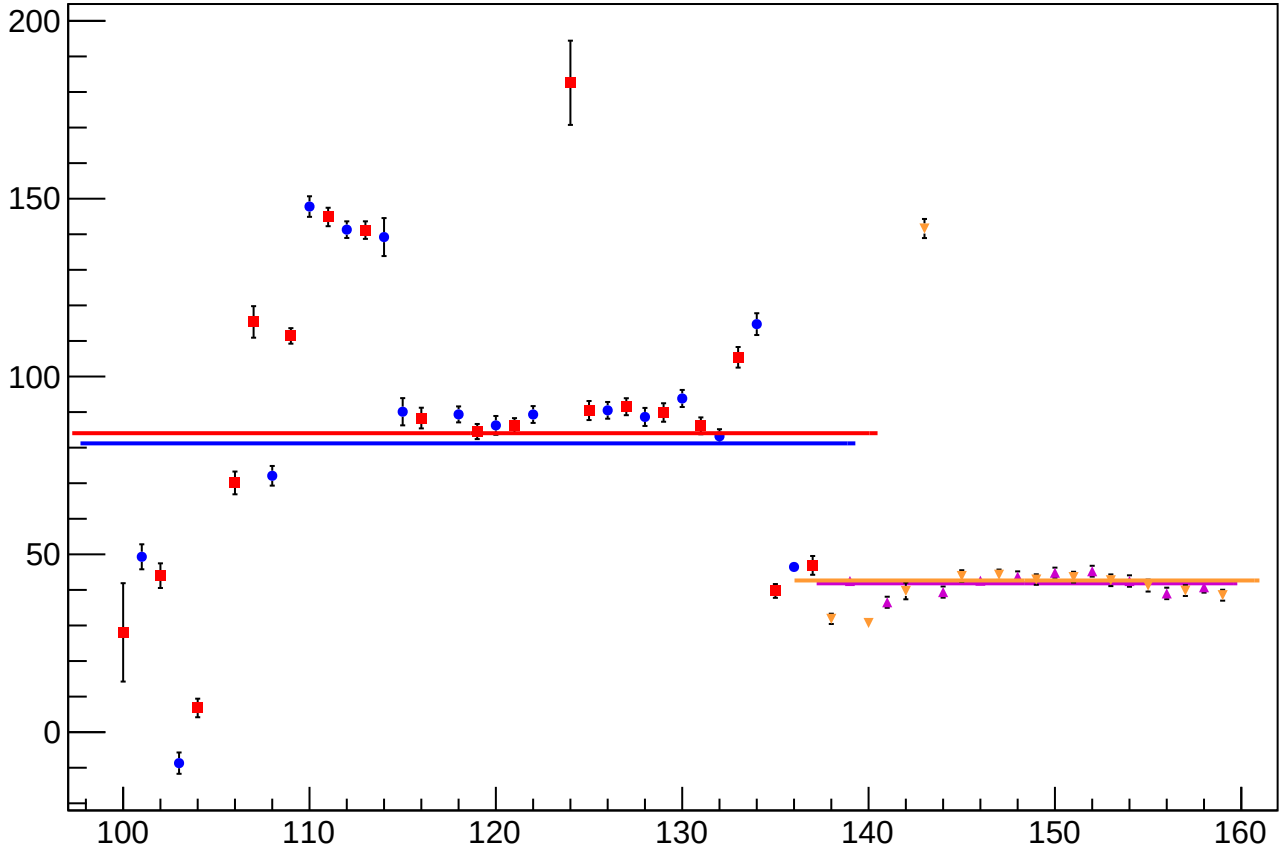
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.106+/-0.284 χ^2/NDF:244.3/25

Out: -1.557+/-0.279 χ^2/NDF:317.9/30

All: -1.336+/-0.199 χ^2/NDF: 563.5/56

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: 42.654+/-0.463 χ^2/NDF:1502.8/11

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

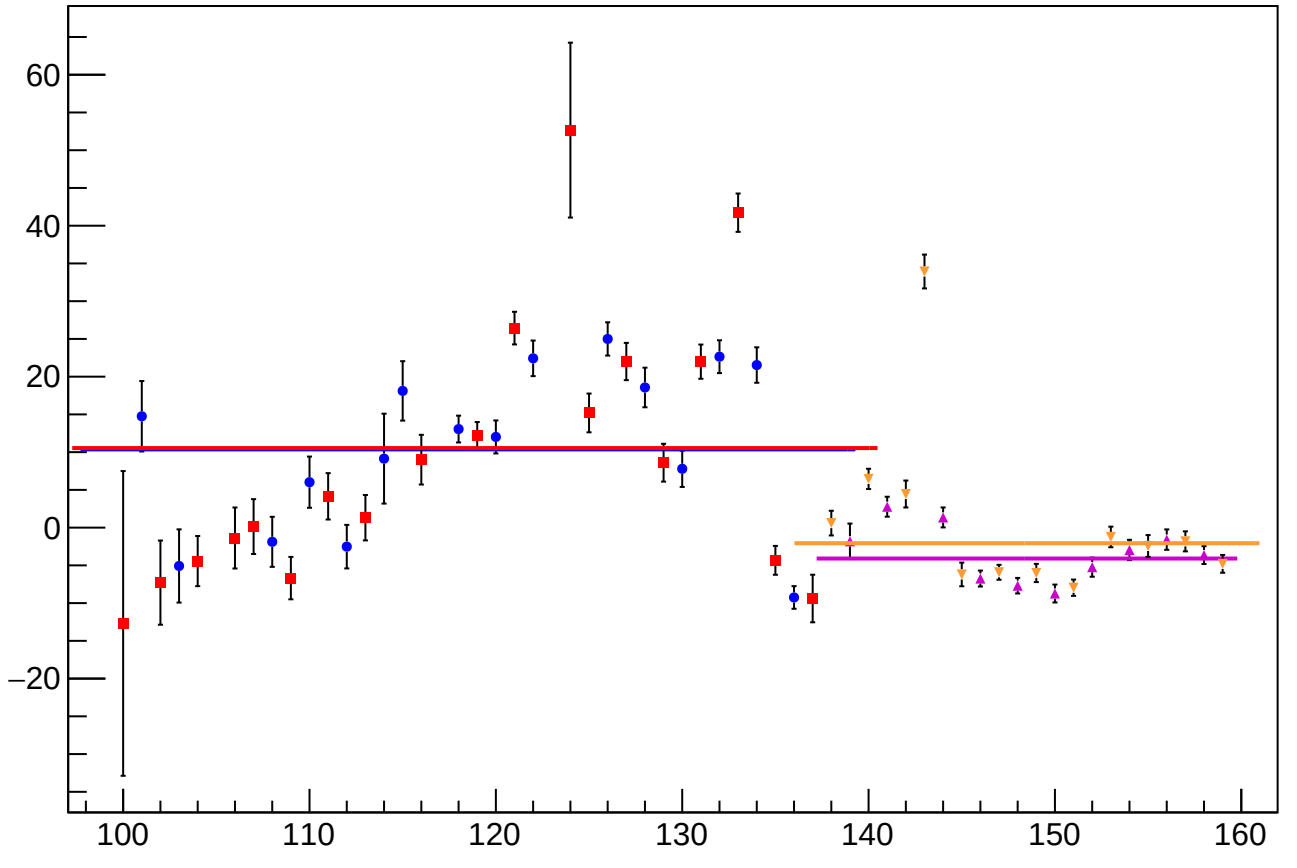
Left: 42.264+/-0.332 χ^2/NDF: 1533.8/21

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.830+/-0.375 χ^2/NDF:5862.5/25

Out: 57.614+/-0.370 χ^2/NDF:7593.4/30

All: 57.226+/-0.263 χ^2/NDF: 13458.2/56



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -2.064+/-0.386 χ^2/NDF:382.7/11

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

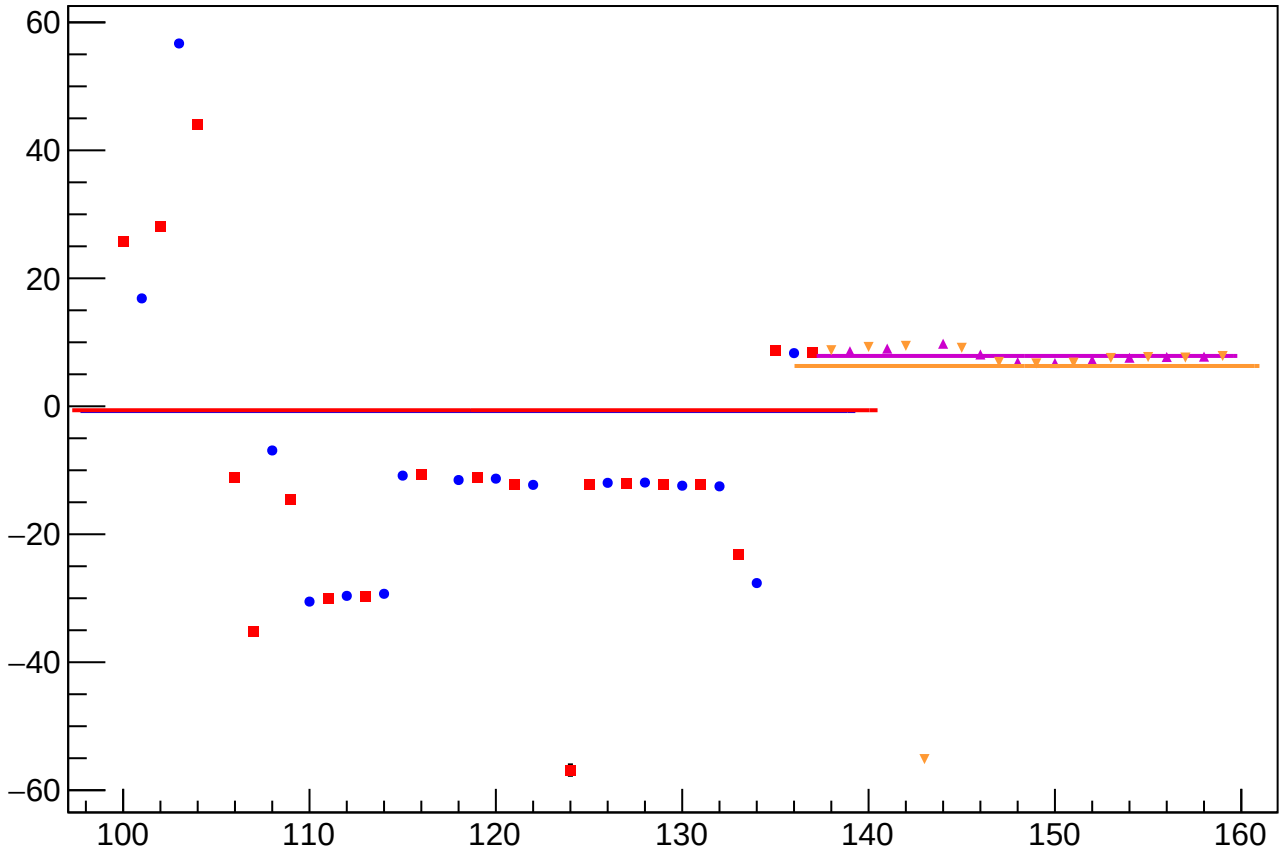
Left: -3.047+/-0.277 χ^2/NDF: 479.9/21

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.063+/-0.336 χ^2/NDF:823.2/25

Out: 1.293+/-0.330 χ^2/NDF:1137.7/30

All: 0.688+/-0.236 χ^2/NDF: 1967.7/56



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.300+/-0.018 χ^2/NDF:312374.6/11

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

Left: 7.074+/-0.013 χ^2/NDF: 318365.8/21

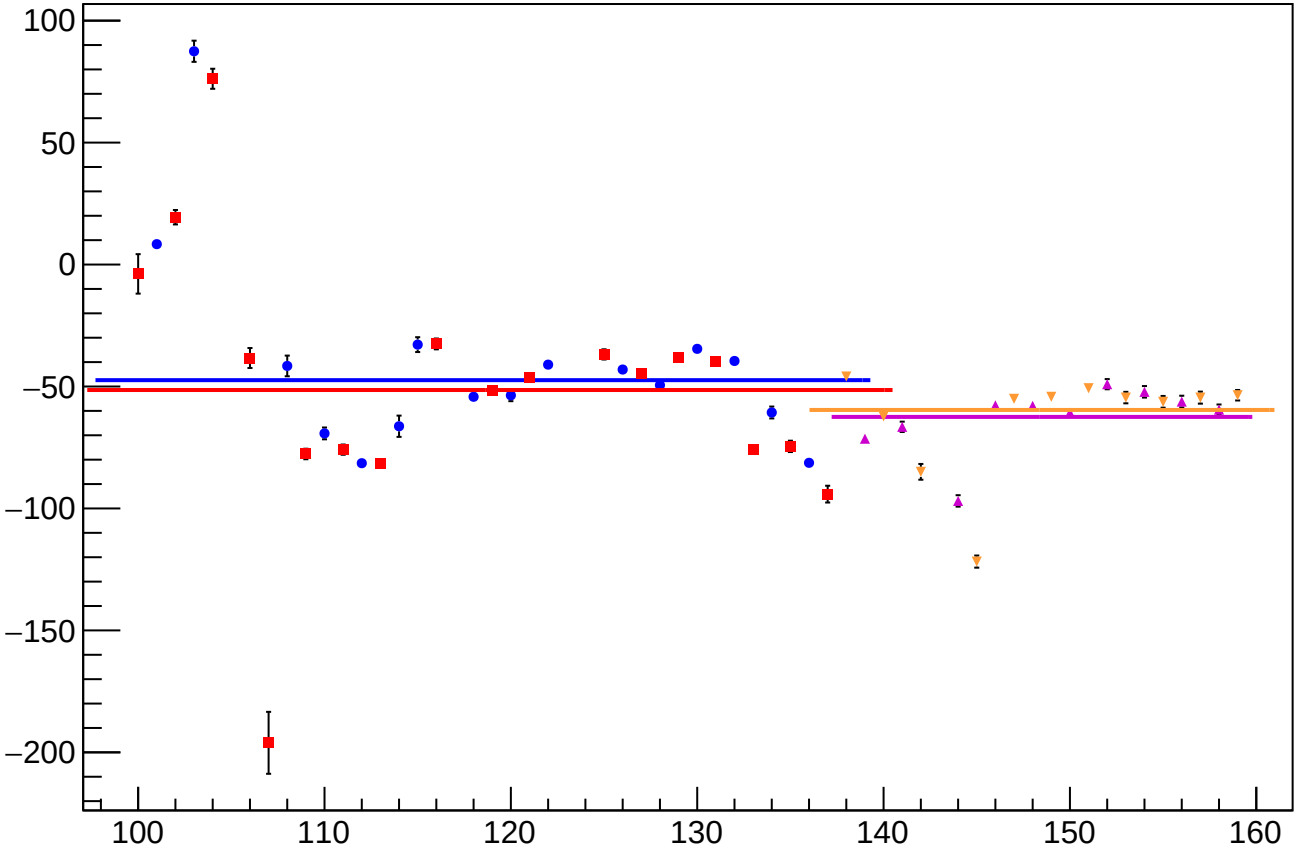
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.148+/-0.016 χ^2/NDF:416222.5/25

Out: 5.031+/-0.016 χ^2/NDF:656907.6/30

All: 5.587+/-0.011 χ^2/NDF: 1075561.3/56

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: -59.615+/-0.642 χ^2/NDF:799.2/10

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -62.469+/-0.645 χ^2/NDF:326.9/9

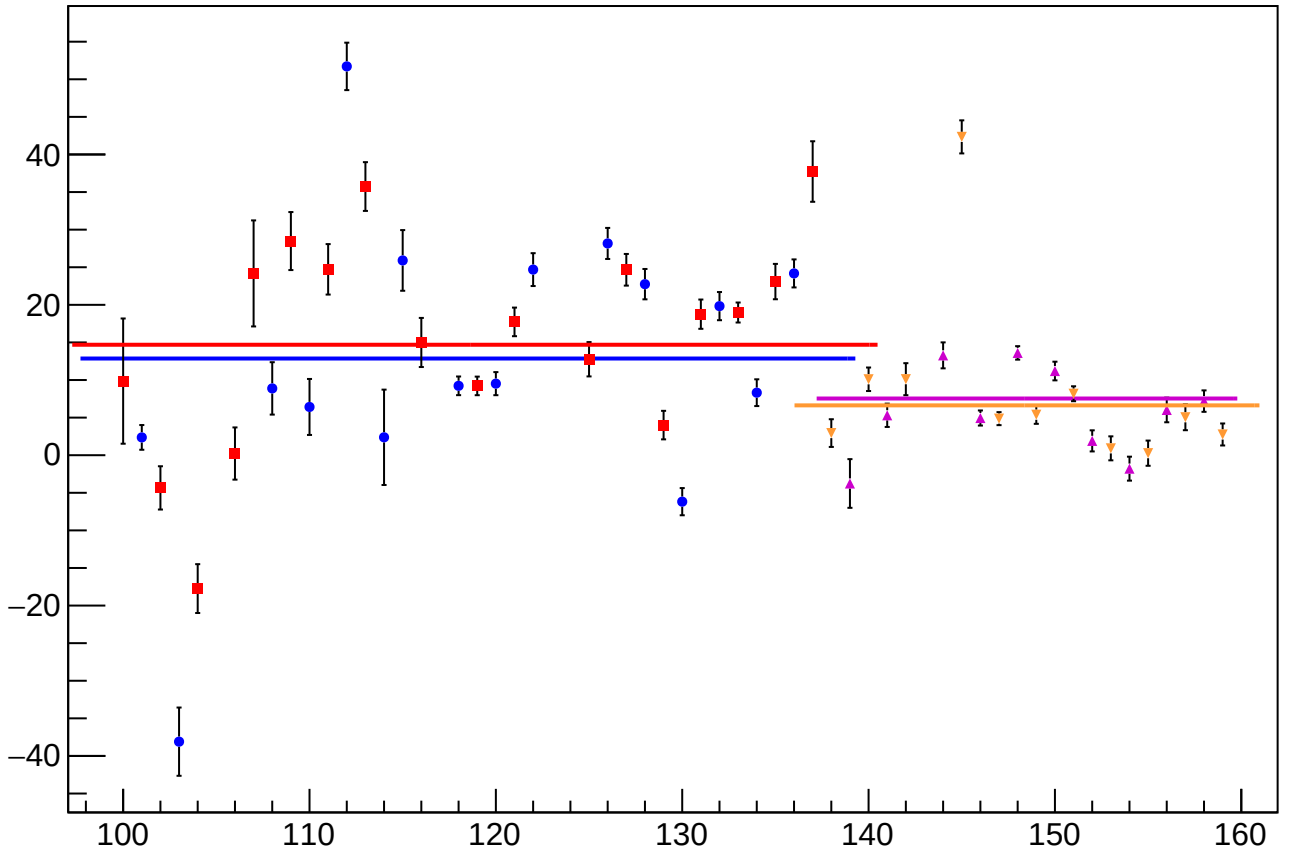
Left: -61.035+/-0.455 χ^2/NDF: 1136.0/20

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -53.539+/-0.412 χ^2/NDF:3419.1/25

Out: -54.866+/-0.416 χ^2/NDF:3766.1/28

All: -54.196+/-0.293 χ^2/NDF: 7190.4/54



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.629+/-0.418 χ^2/NDF:318.0/10

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 7.540+/-0.426 χ^2/NDF:137.8/9

Left: 7.076+/-0.299 χ^2/NDF: 458.0/20

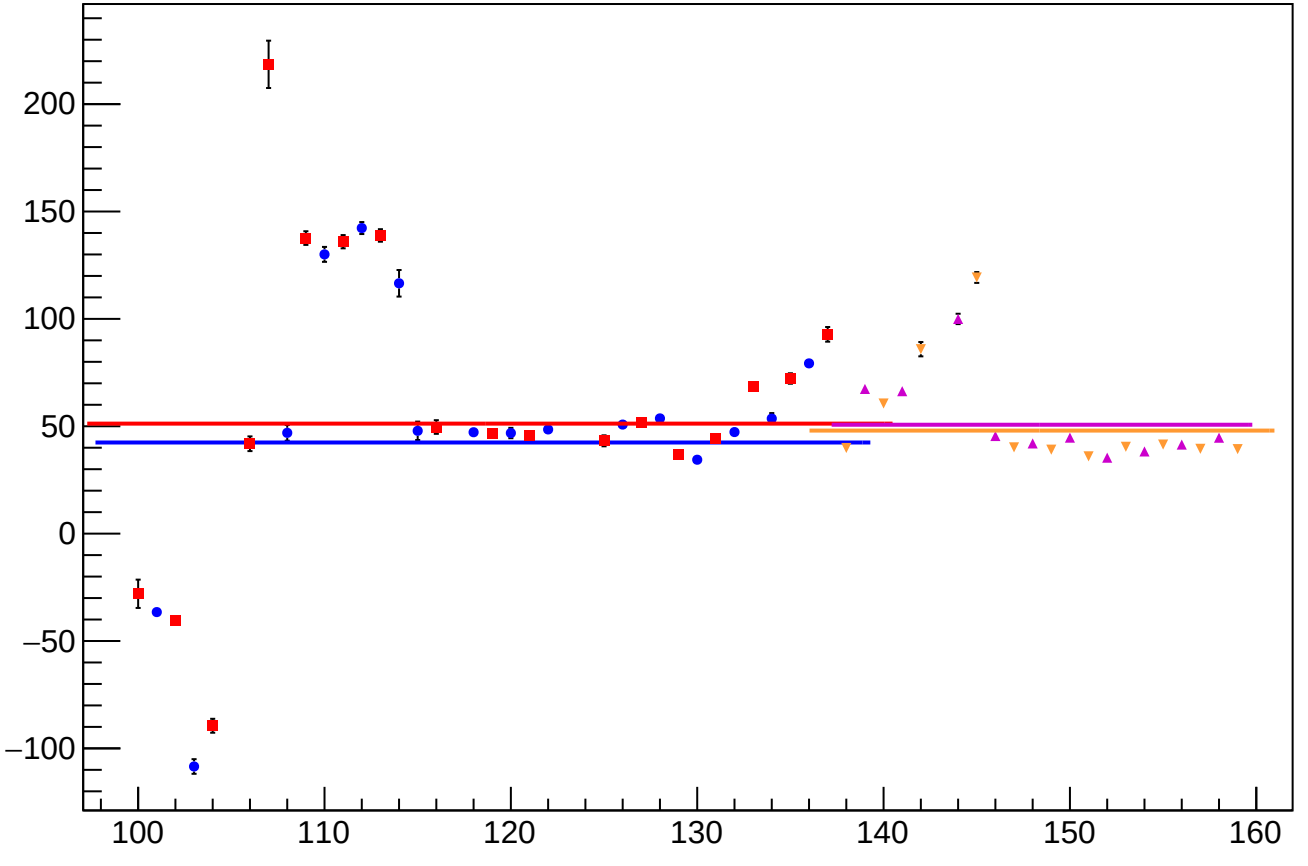
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 9.686+/-0.329 χ^2/NDF:826.0/25

Out: 9.622+/-0.332 χ^2/NDF:820.0/28

All: 9.654+/-0.234 χ^2/NDF: 1646.0/54

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: 47.986+/-0.619 χ^2/NDF:1134.3/10

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 50.706+/-0.622 χ^2/NDF:711.4/9

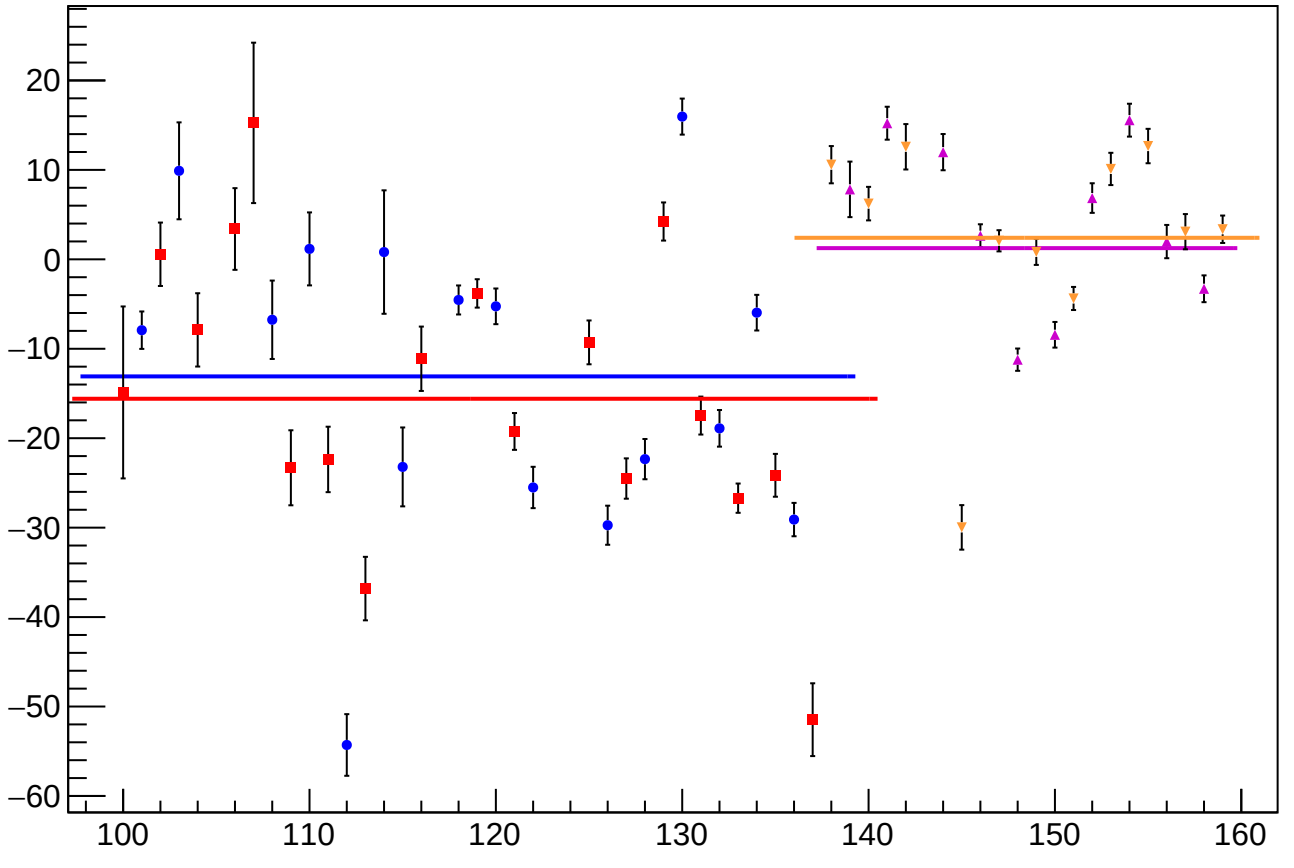
Left: 49.341+/-0.439 χ^2/NDF: 1855.3/20

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 46.315+/-0.426 χ^2/NDF:7974.2/25

Out: 49.618+/-0.436 χ^2/NDF:7759.4/28

All: 47.926+/-0.305 χ^2/NDF: 15762.9/54



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.407+/-0.508 χ^2/NDF:280.8/10

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.252+/-0.515 χ^2/NDF:318.3/9

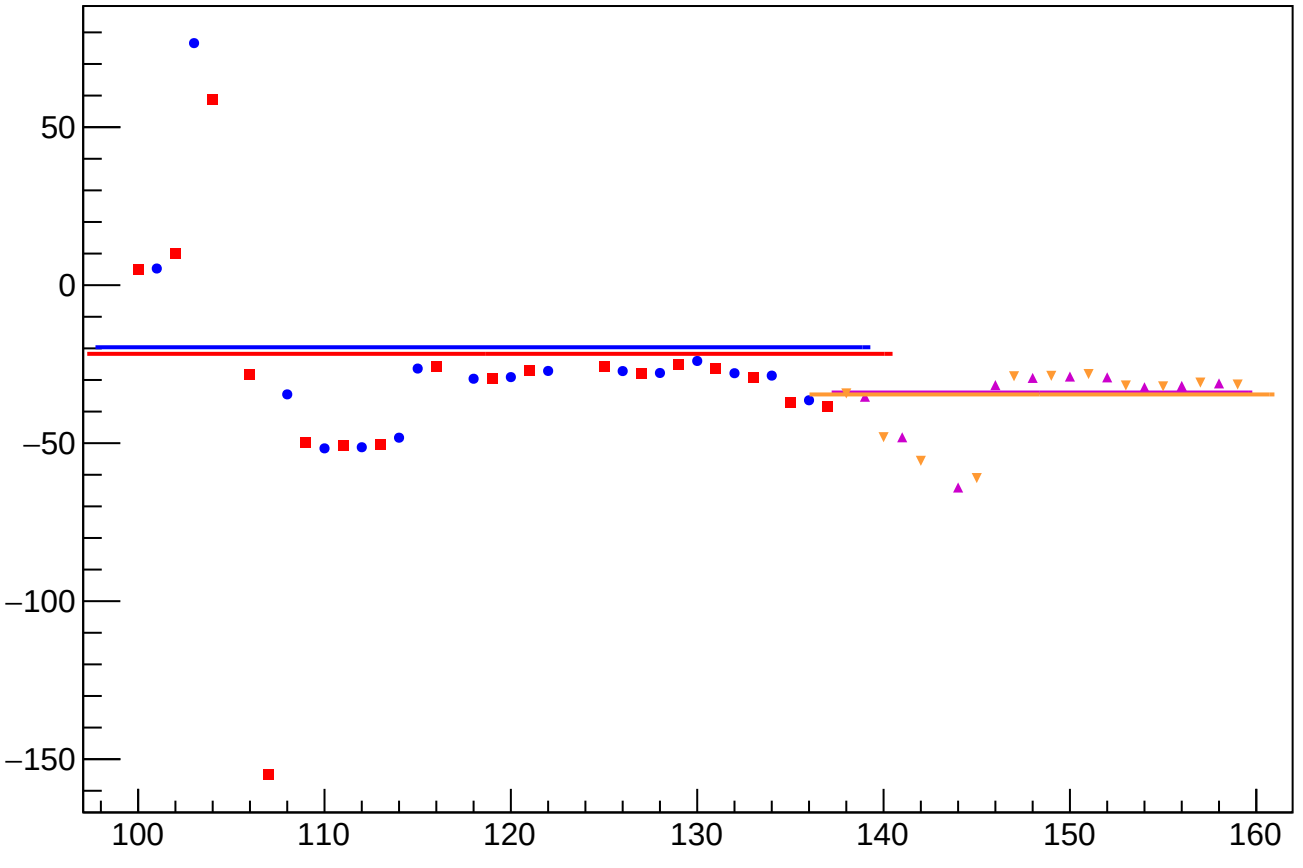
Left: 1.837+/-0.362 χ^2/NDF: 601.6/20

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -4.829+/-0.391 χ^2/NDF:1287.6/25

Out: -4.727+/-0.395 χ^2/NDF:1180.1/28

All: -4.779+/-0.278 χ^2/NDF: 2467.7/54



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -34.580+/-0.024 χ^2/NDF:146780.0/10

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -33.969+/-0.023 χ^2/NDF:121019.7/9

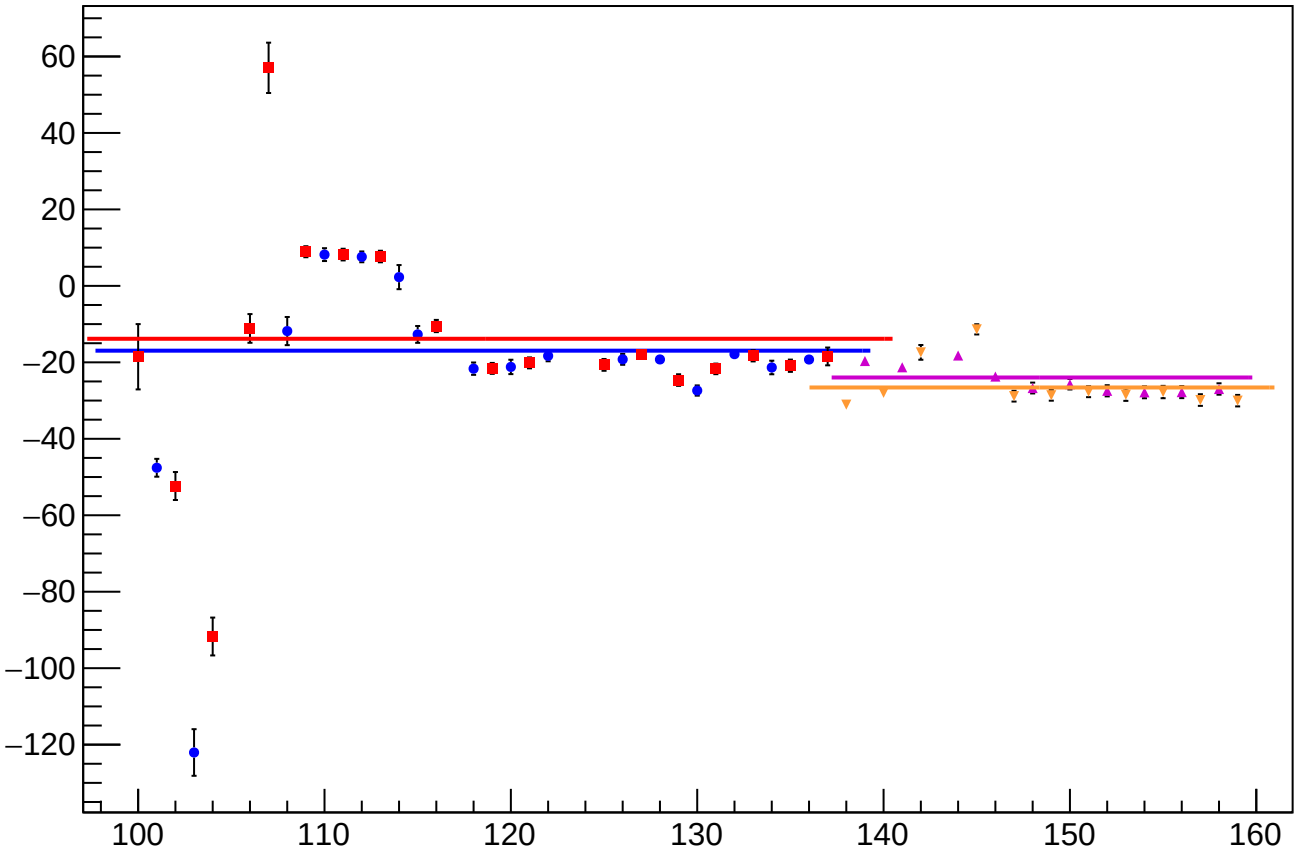
Left: -34.271+/-0.017 χ^2/NDF: 268133.7/20

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.713+/-0.020 χ^2/NDF:878564.0/25

Out: -31.084+/-0.020 χ^2/NDF:772922.6/28

All: -30.378+/-0.014 χ^2/NDF: 1653838.1/54



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -26.577+/-0.430 χ^2/NDF:184.9/10

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -23.965+/-0.434 χ^2/NDF:65.4/9

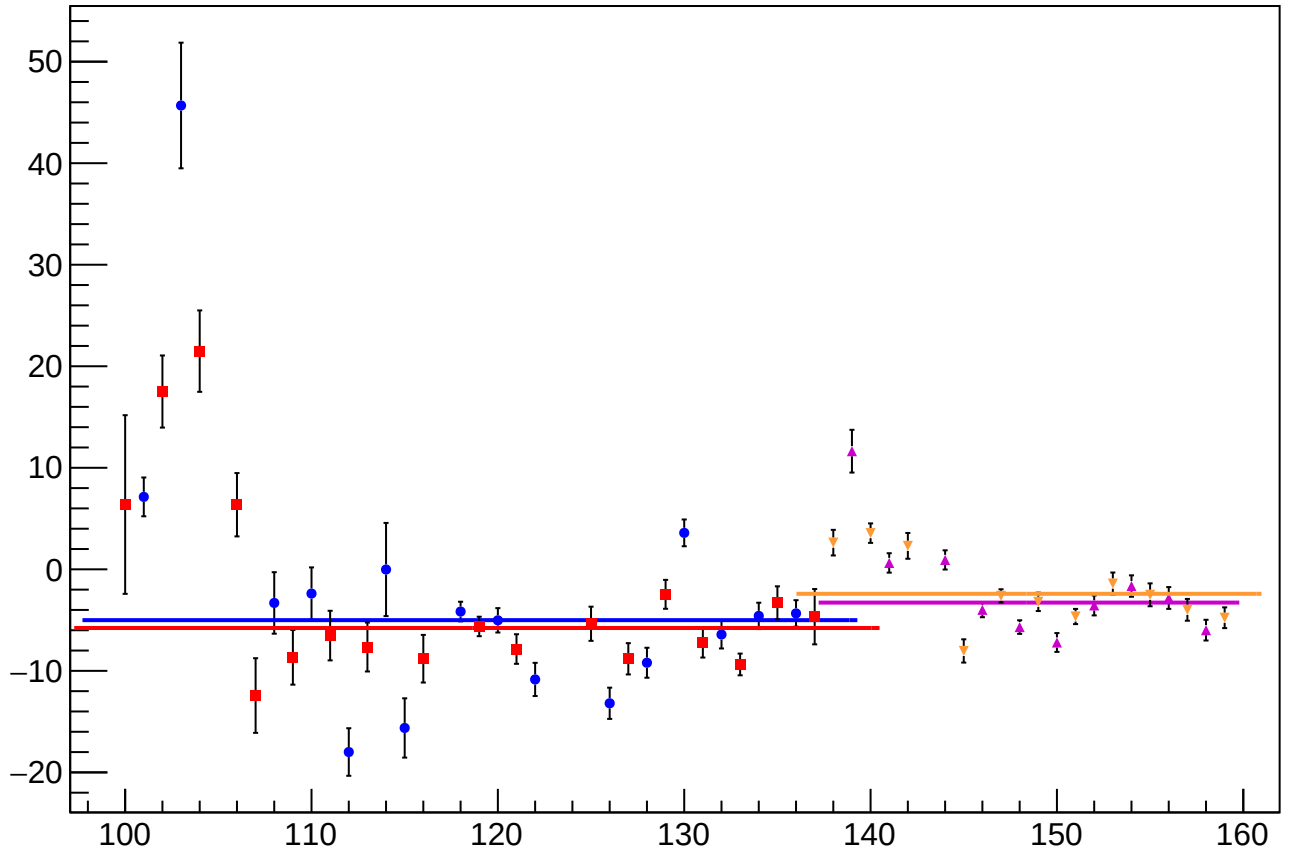
Left: -25.285+/-0.306 χ^2/NDF: 268.5/20

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -20.203+/-0.296 χ^2/NDF:1333.5/25

Out: -19.894+/-0.296 χ^2/NDF:1978.9/28

All: -20.048+/-0.209 χ^2/NDF: 3313.0/54



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.410+/-0.290 χ^2/NDF:110.8/10

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -3.277+/-0.295 χ^2/NDF:128.2/9

Left: -2.835+/-0.207 χ^2/NDF: 243.4/20

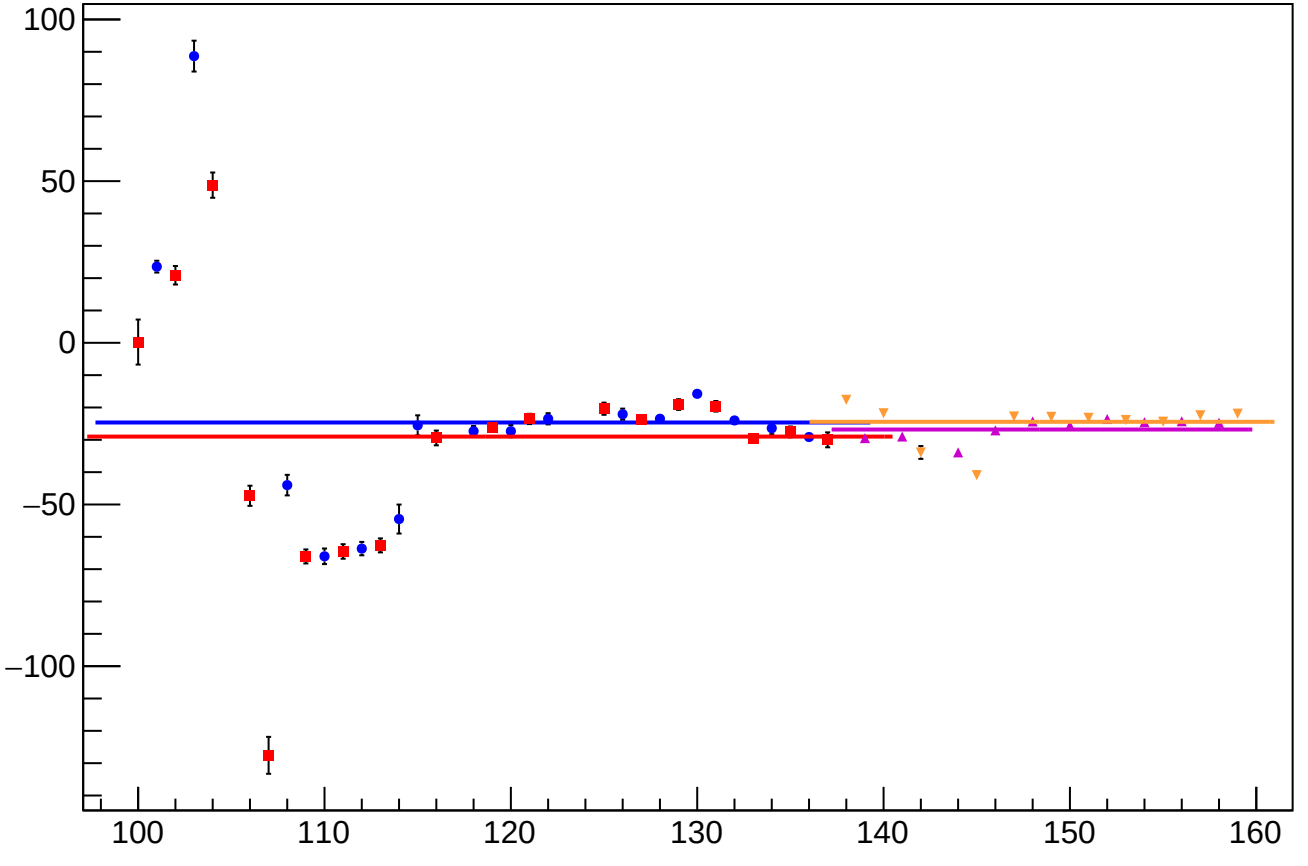
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.883+/-0.238 χ^2/NDF:388.0/25

Out: -3.498+/-0.238 χ^2/NDF:293.8/28

All: -3.691+/-0.168 χ^2/NDF: 683.1/54

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: -24.430+/-0.417 χ^2/NDF:213.4/10

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -26.814+/-0.421 χ^2/NDF:54.1/9

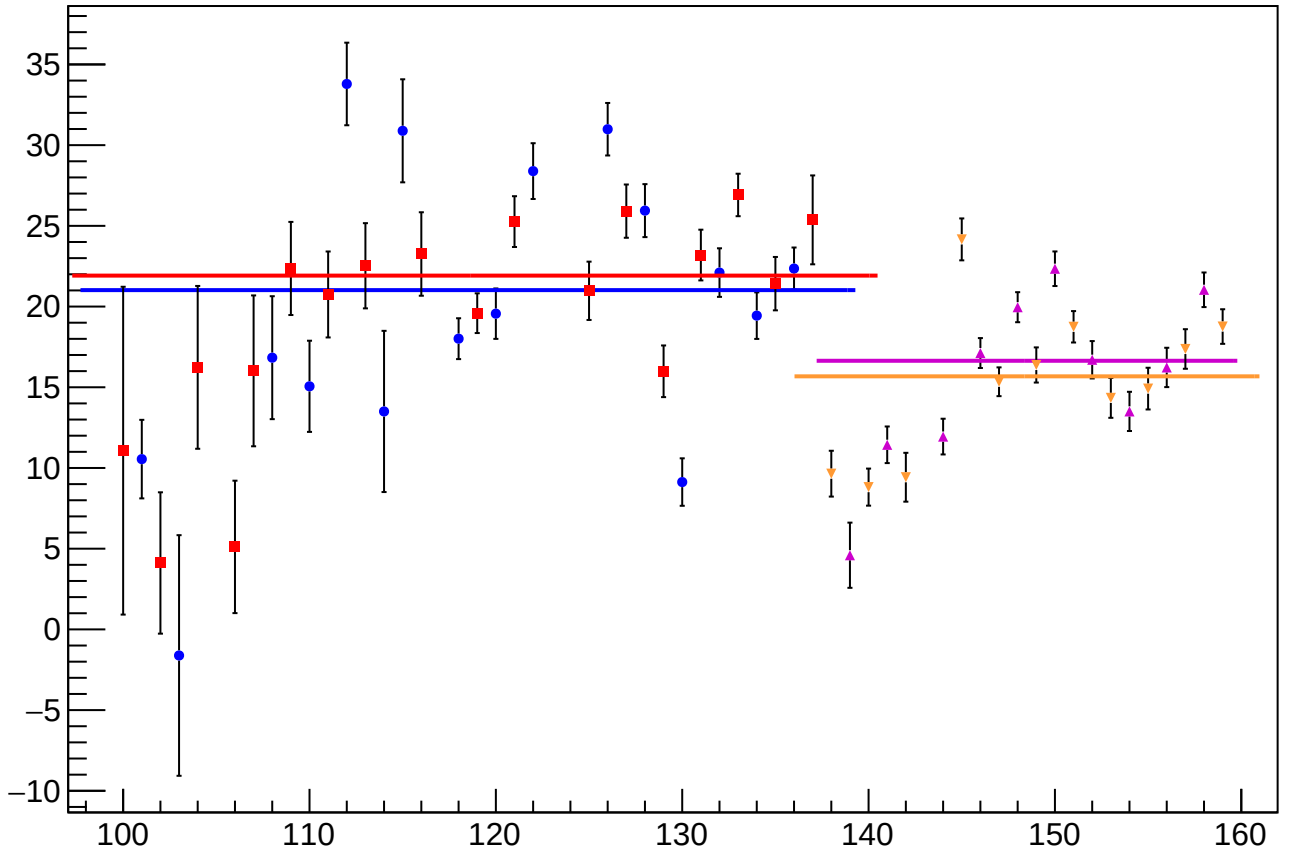
Left: -25.611+/-0.296 χ^2/NDF: 283.6/20

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.811+/-0.309 χ^2/NDF:2118.2/25

Out: -26.420+/-0.313 χ^2/NDF:2217.9/28

All: -26.111+/-0.220 χ^2/NDF: 4338.0/54



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.677+/-0.348 χ^2/NDF:135.8/10

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.641+/-0.354 χ^2/NDF:139.6/9

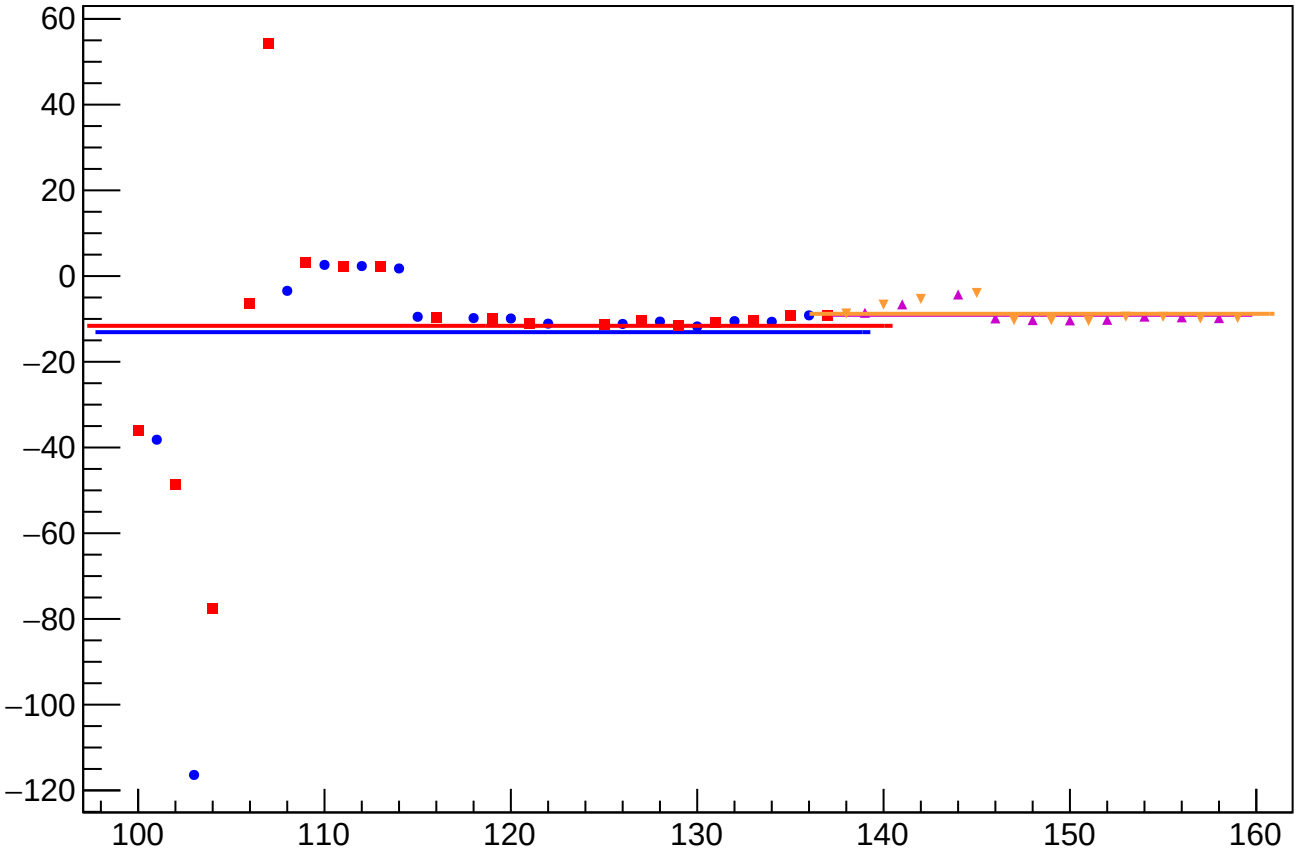
Left: 16.152+/-0.248 χ^2/NDF: 279.1/20

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.275+/-0.280 χ^2/NDF:406.4/25

Out: 17.841+/-0.282 χ^2/NDF:329.5/28

All: 18.059+/-0.199 χ^2/NDF: 737.1/54



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.802+/-0.016 χ^2/NDF:15442.3/10

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.037+/-0.016 χ^2/NDF:11072.9/9

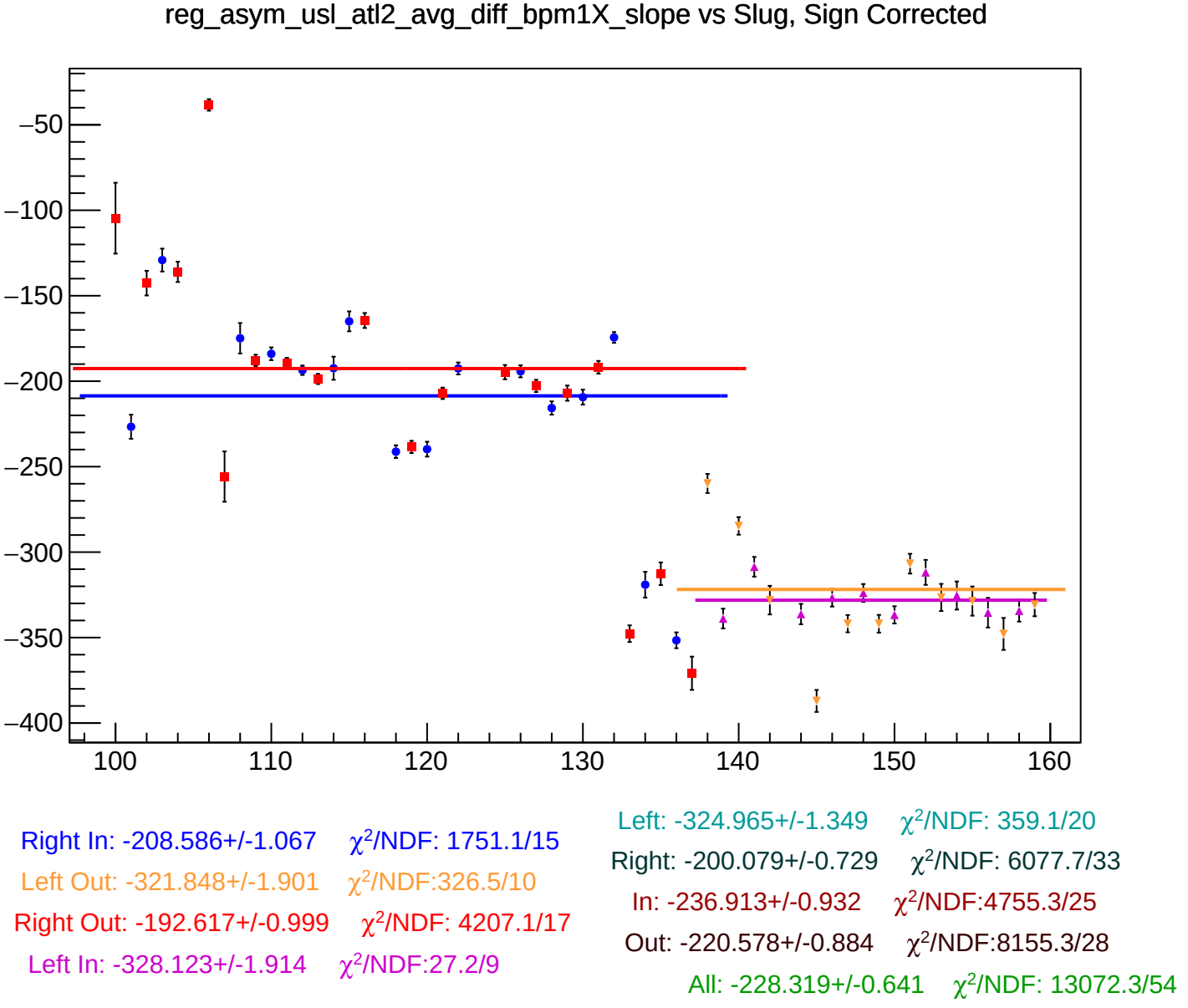
Left: -8.920+/-0.011 χ^2/NDF: 26624.0/20

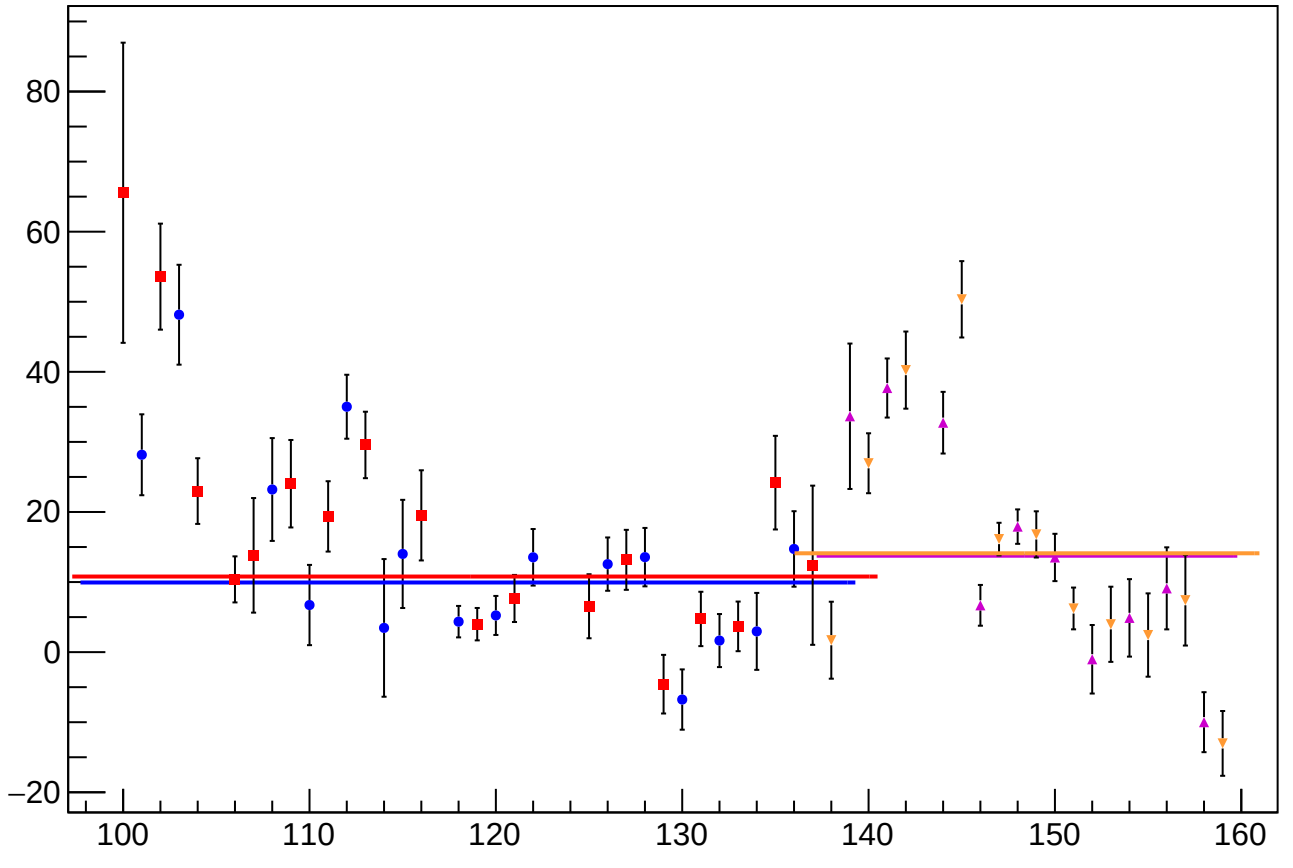
Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.004+/-0.014 χ^2/NDF:371475.2/25

Out: -9.393+/-0.014 χ^2/NDF:336150.6/28

All: -9.705+/-0.010 χ^2/NDF: 708576.1/54


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
160
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -321.848+/-1.901 χ²/NDF:326.5/10
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -328.123+/-1.914 χ²/NDF:27.2/9
Left: -324.965+/-1.349 χ²/NDF: 359.1/20
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -236.913+/-0.932 χ²/NDF:4755.3/25
Out: -220.578+/-0.884 χ²/NDF:8155.3/28
All: -228.319+/-0.641 χ²/NDF: 13072.3/54



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 14.106+/-1.215 χ^2/NDF:132.3/10

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 13.760+/-1.243 χ^2/NDF:106.4/9

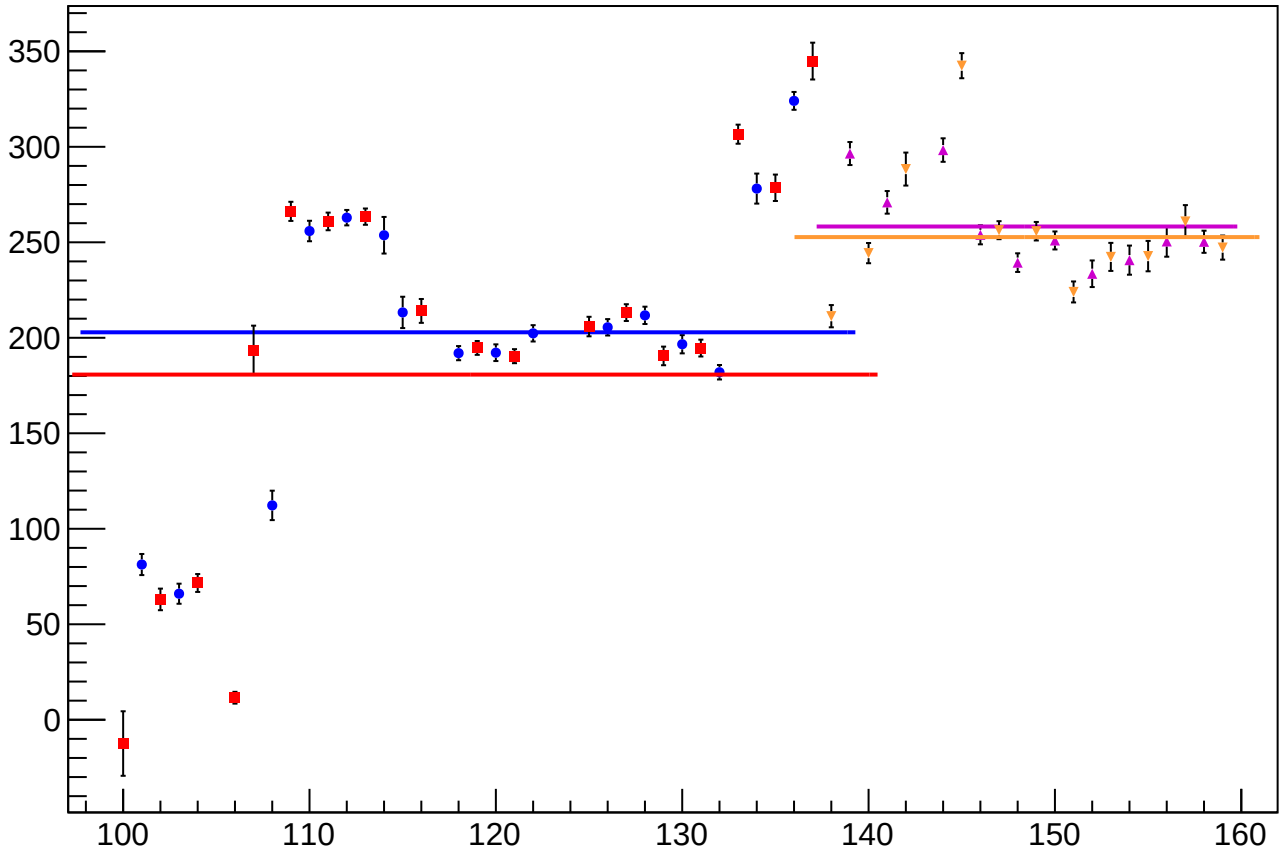
Left: 13.937+/-0.869 χ^2/NDF: 238.7/20

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 11.556+/-0.809 χ^2/NDF:218.4/25

Out: 12.197+/-0.792 χ^2/NDF:241.6/28

All: 11.884+/-0.566 χ^2/NDF: 460.4/54



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 252.724+/-1.840 χ^2/NDF:290.0/10

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 258.267+/-1.848 χ^2/NDF:126.1/9

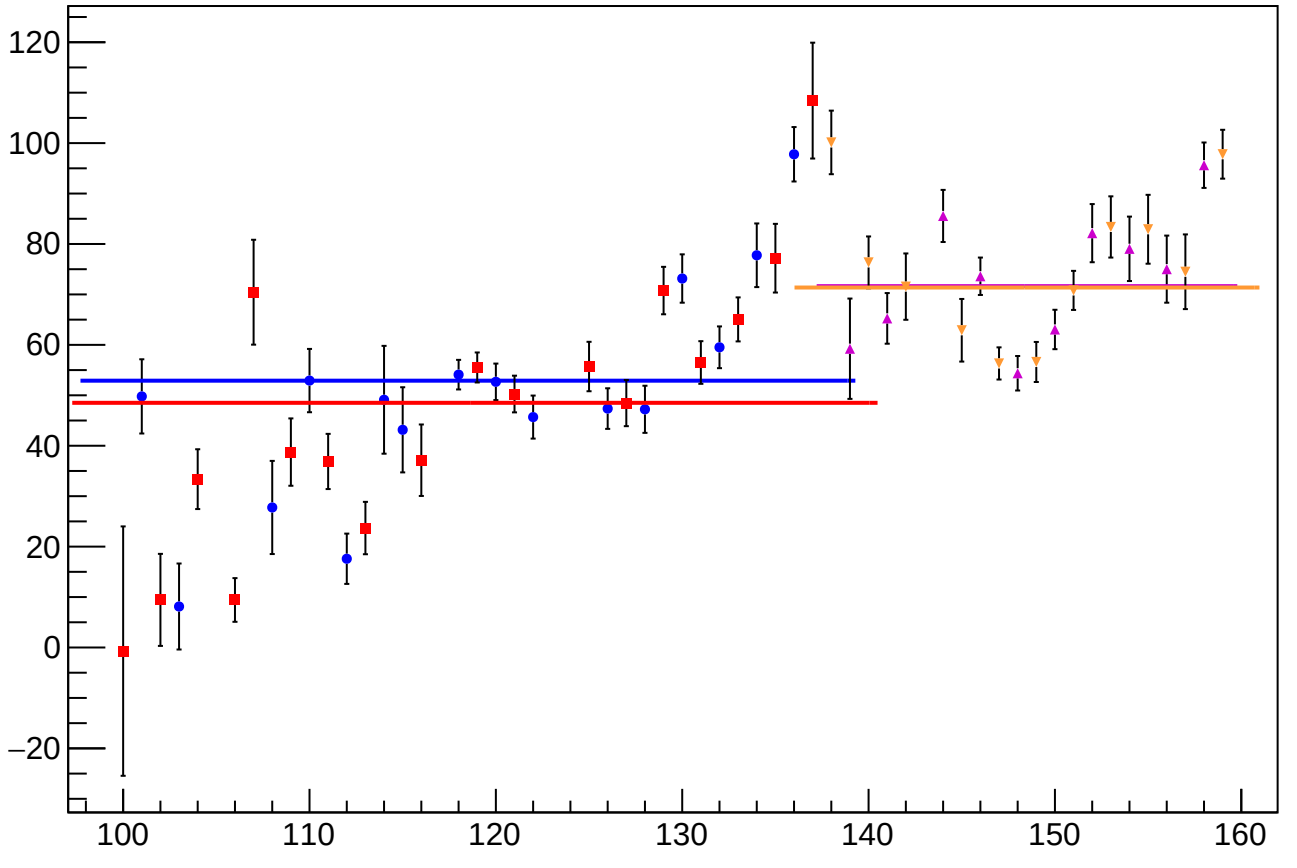
Left: 255.485+/-1.304 χ^2/NDF: 420.6/20

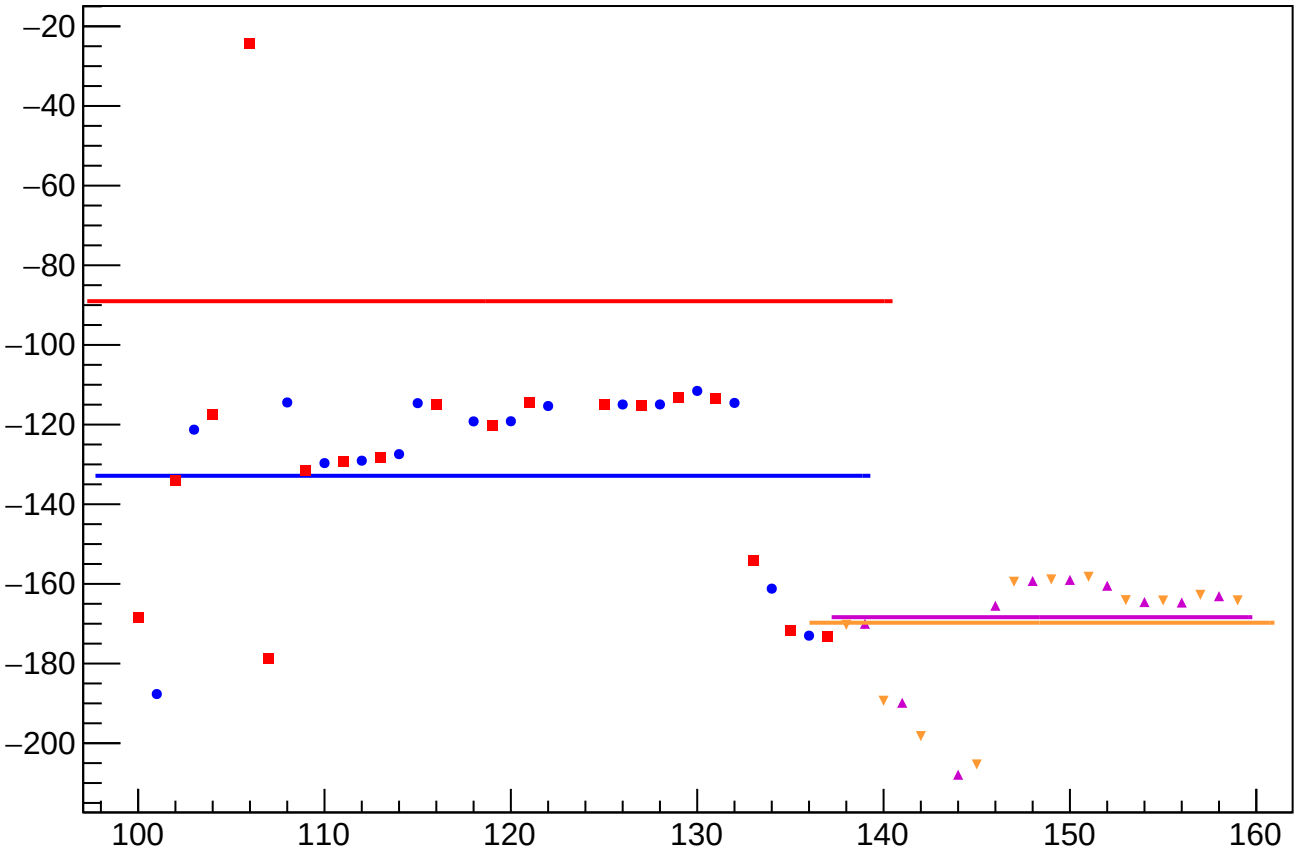
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 219.801+/-1.021 χ^2/NDF:3214.5/25

Out: 200.790+/-0.971 χ^2/NDF:7742.1/28

All: 209.819+/-0.704 χ^2/NDF: 11138.6/54


reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 52.899+/-1.242 χ²/NDF: 198.3/15
Left Out: 71.368+/-1.491 χ²/NDF:96.5/10
Right Out: 48.510+/-1.214 χ²/NDF: 240.0/17
Left In: 71.645+/-1.512 χ²/NDF:74.4/9
Left: 71.504+/-1.061 χ²/NDF: 170.9/20
Right: 50.656+/-0.868 χ²/NDF: 444.7/33
In: 60.450+/-0.959 χ²/NDF:364.5/25
Out: 57.627+/-0.941 χ²/NDF:477.8/28
All: 59.012+/-0.672 χ²/NDF: 846.7/54



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -169.750+/-0.073 χ^2/NDF:42268.4/10

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -168.356+/-0.071 χ^2/NDF:35239.4/9

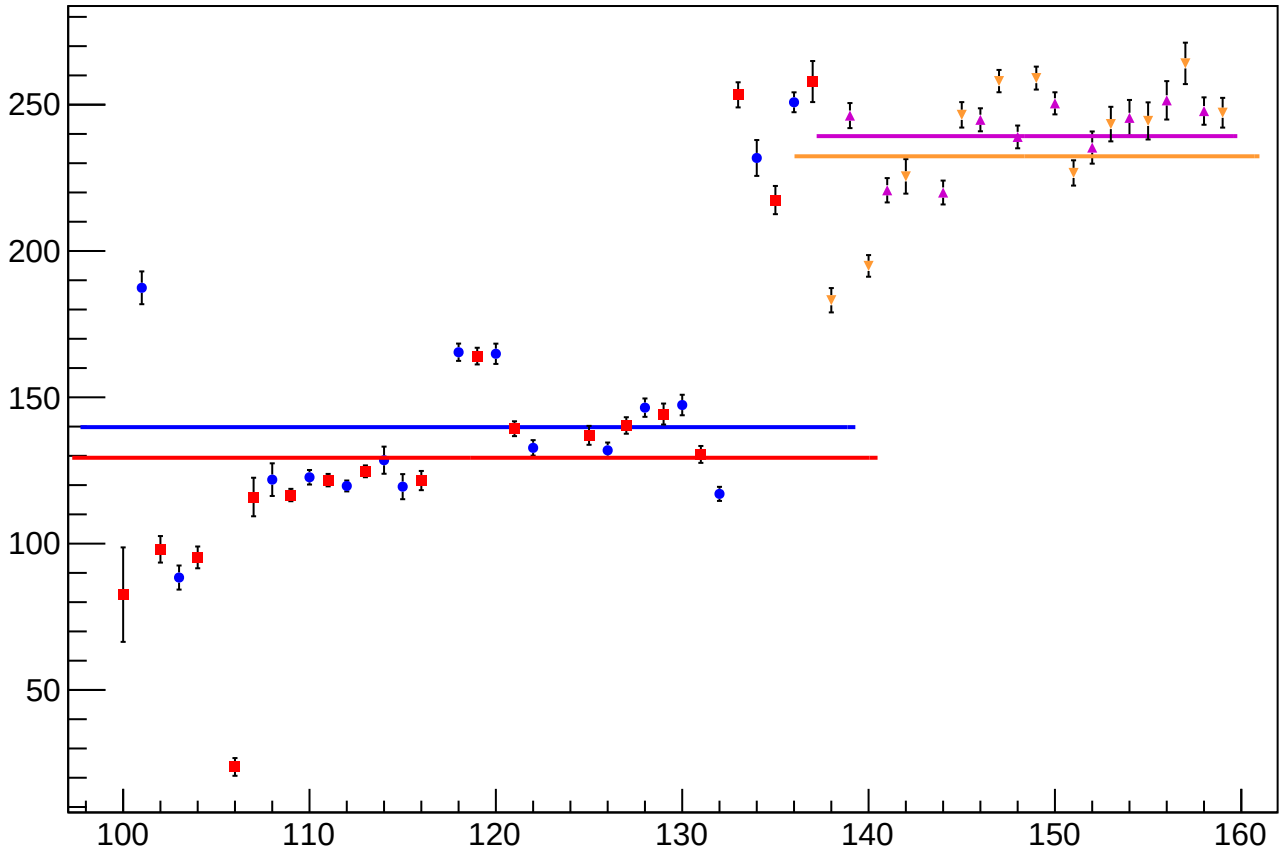
Left: -169.039+/-0.051 χ^2/NDF: 77695.8/20

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -152.960+/-0.054 χ^2/NDF:236571.3/25

Out: -124.451+/-0.048 χ^2/NDF:1465050.4/28

All: -137.165+/-0.036 χ^2/NDF: 1858500.1/54



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 232.362+/-1.398 χ^2/NDF:383.5/10

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 239.250+/-1.411 χ^2/NDF:64.0/9

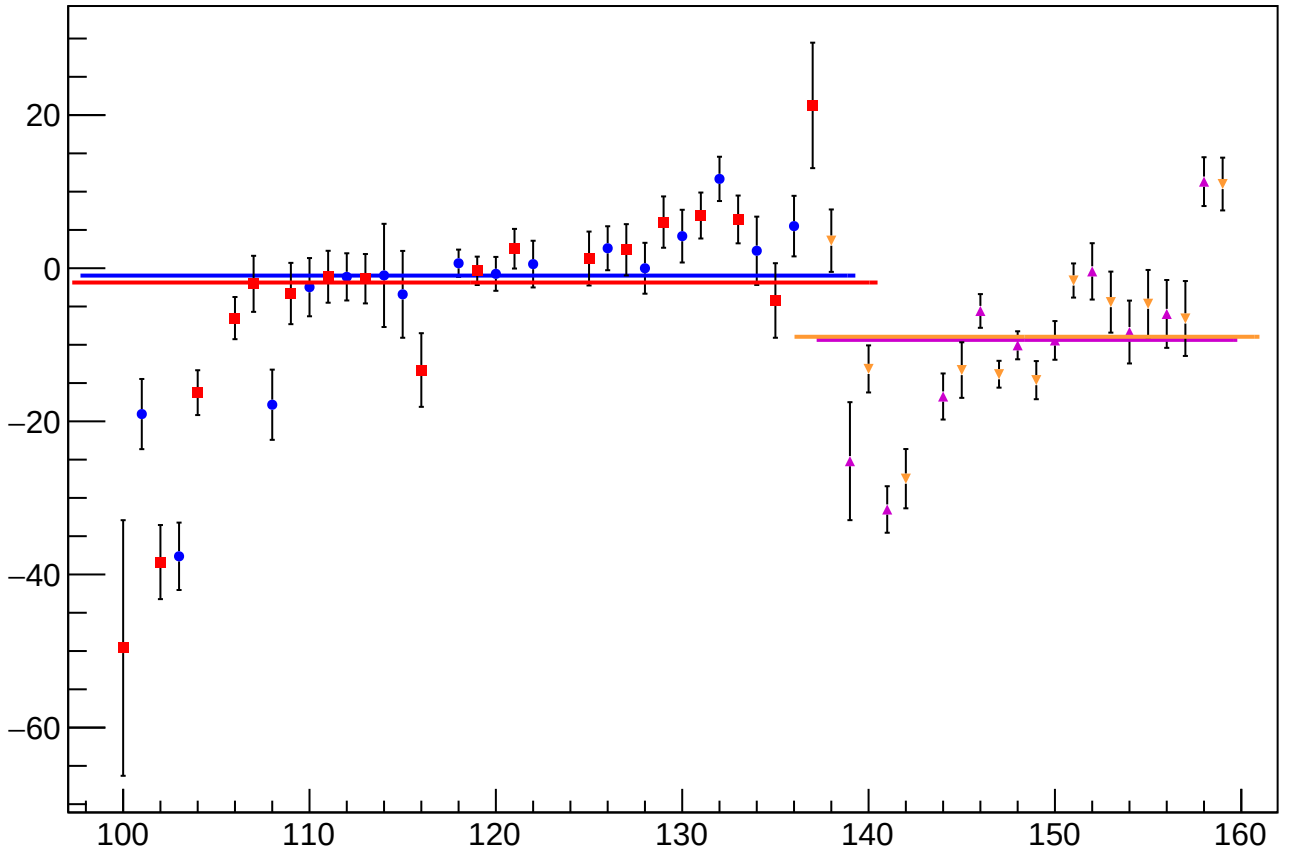
Left: 235.774+/-0.993 χ^2/NDF: 459.5/20

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 163.292+/-0.686 χ^2/NDF:5822.5/25

Out: 151.625+/-0.650 χ^2/NDF:7764.5/28

All: 157.147+/-0.472 χ^2/NDF: 13739.5/54



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -8.953+/-0.899 χ^2/NDF:95.5/10

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -9.359+/-0.921 χ^2/NDF:115.1/9

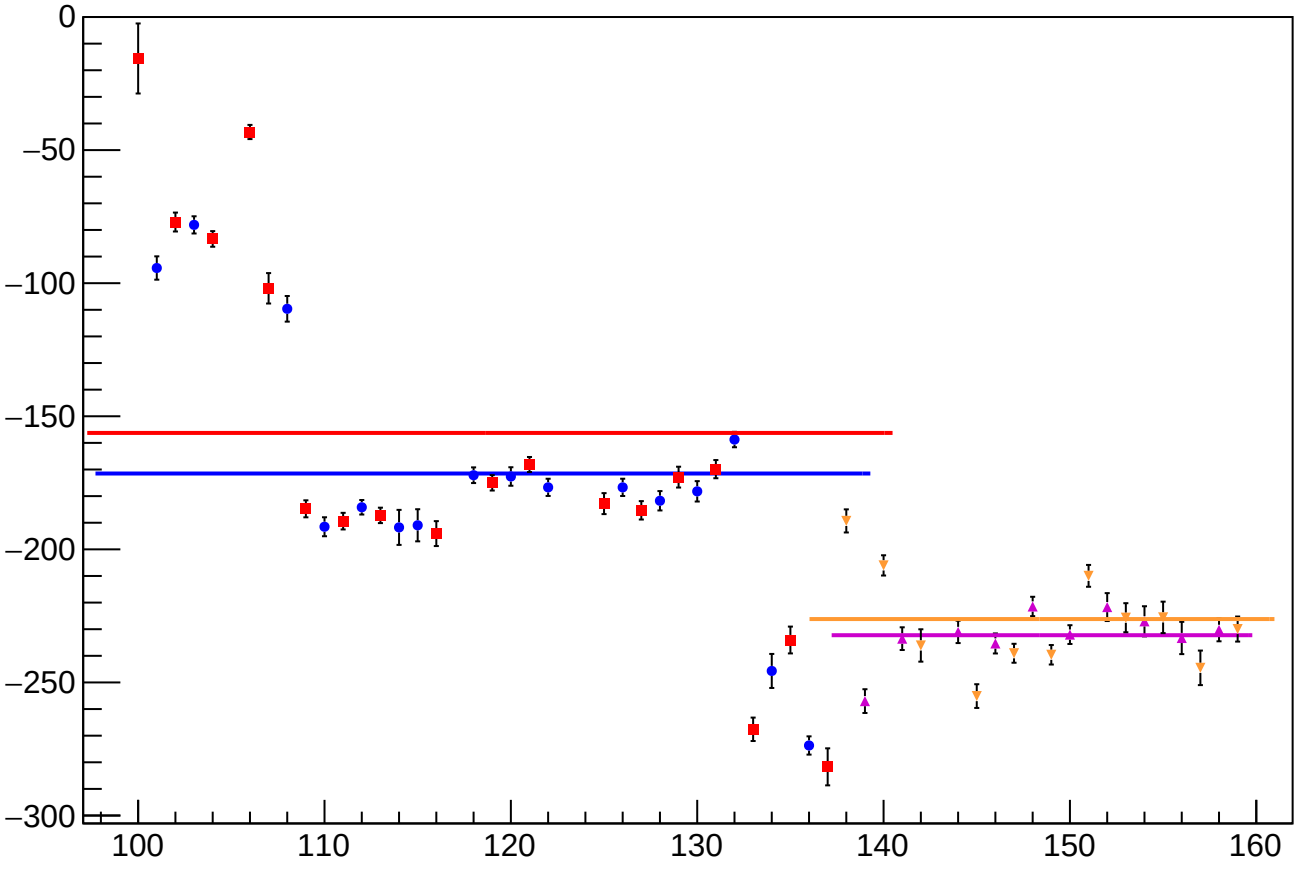
Left: -9.152+/-0.643 χ^2/NDF: 210.7/20

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.617+/-0.607 χ^2/NDF:288.1/25

Out: -4.926+/-0.591 χ^2/NDF:264.0/28

All: -4.776+/-0.424 χ^2/NDF: 552.2/54



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -226.187+/-1.356 χ^2/NDF:195.8/10

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -232.256+/-1.365 χ^2/NDF:45.6/9

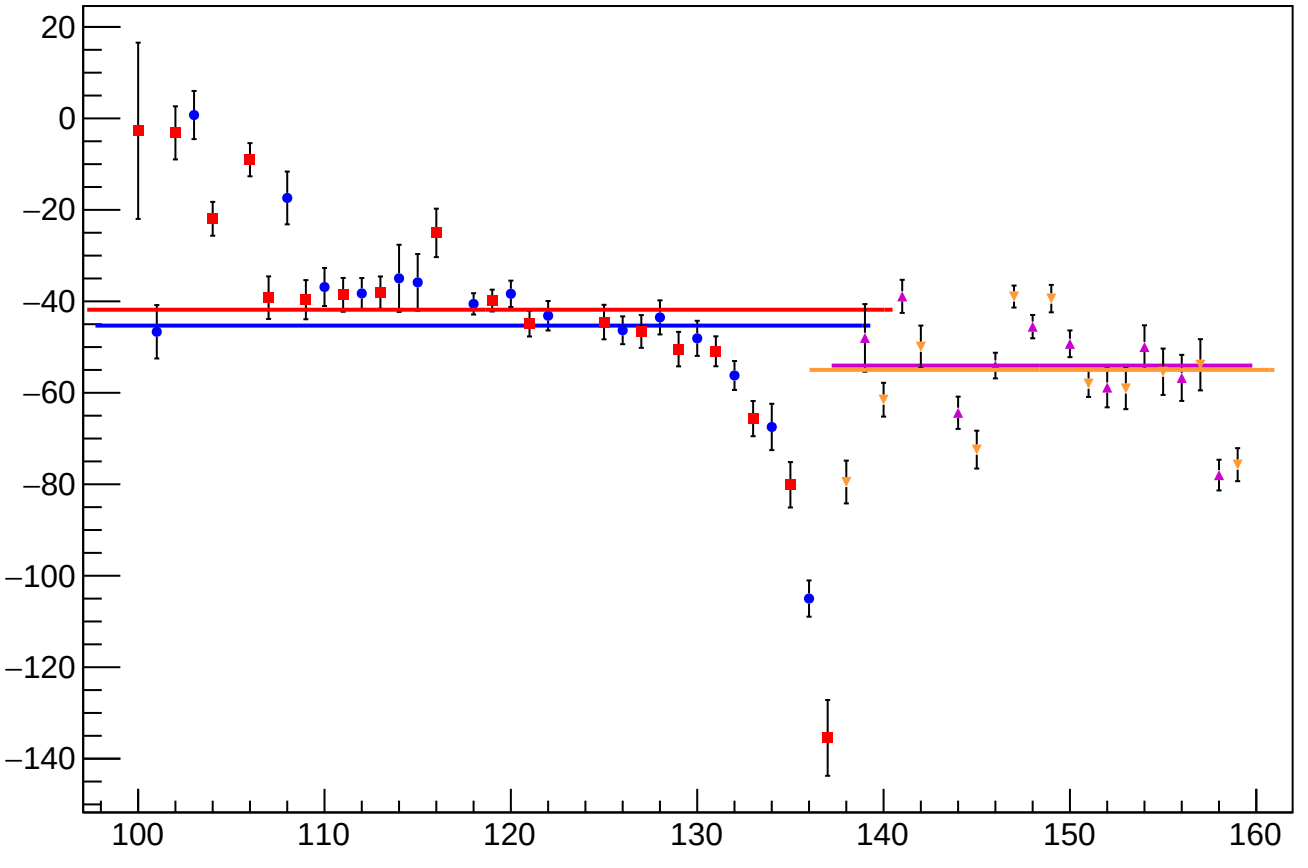
Left: -229.203+/-0.962 χ^2/NDF: 251.3/20

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

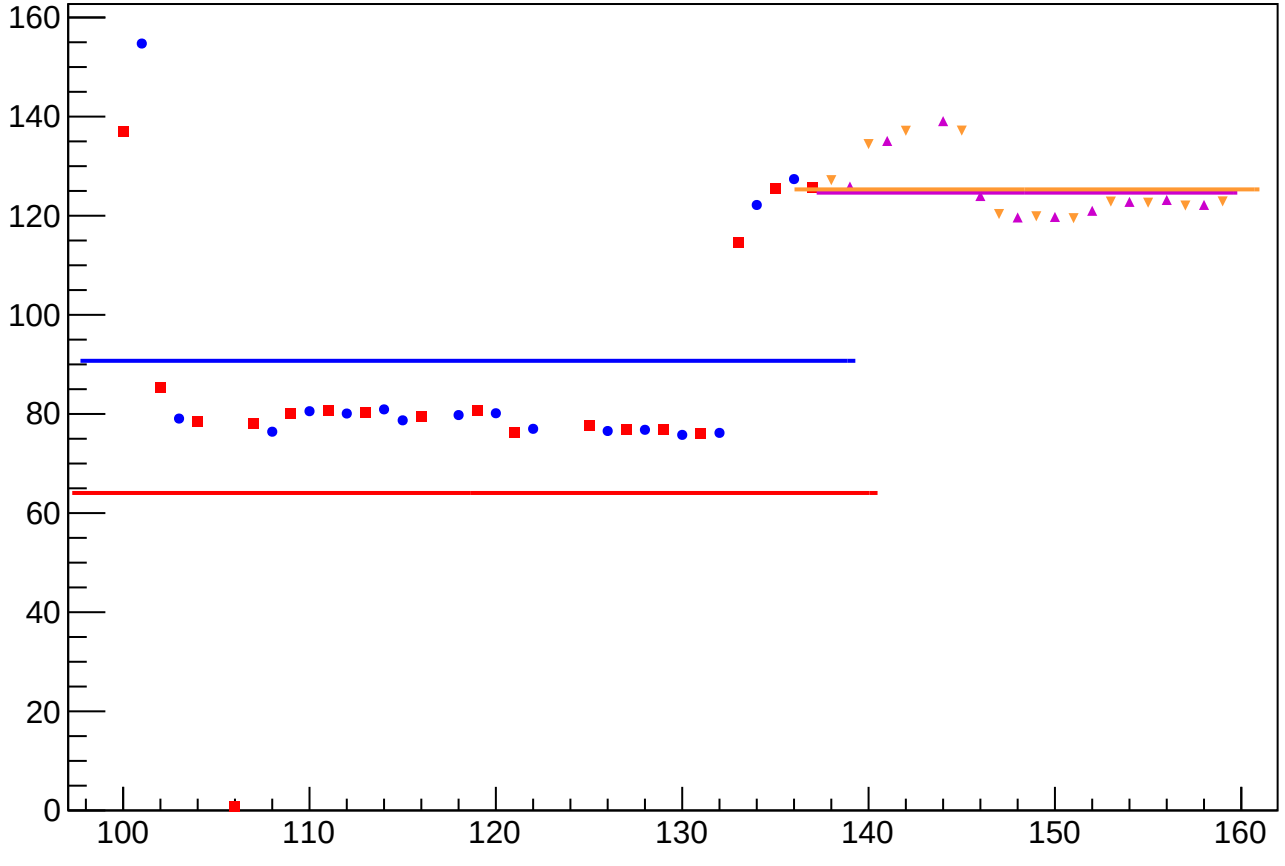
In: -190.113+/-0.755 χ^2/NDF:3863.0/25

Out: -175.888+/-0.719 χ^2/NDF:7011.8/28

All: -182.647+/-0.521 χ^2/NDF: 11061.0/54


reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -45.304+/-0.938 χ²/NDF: 382.0/15
Left Out: -54.987+/-1.102 χ²/NDF:155.8/10
Right Out: -41.832+/-0.909 χ²/NDF: 414.2/17
Left In: -54.048+/-1.119 χ²/NDF:93.8/9
Left: -54.525+/-0.785 χ²/NDF: 250.0/20
Right: -43.515+/-0.653 χ²/NDF: 803.4/33
In: -48.913+/-0.719 χ²/NDF:511.7/25
Out: -47.162+/-0.701 χ²/NDF:654.9/28
All: -48.016+/-0.502 χ²/NDF: 1169.7/54

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: 125.313+/-0.054 χ^2/NDF:14076.5/10

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 124.656+/-0.053 χ^2/NDF:12656.0/9

Left: 124.979+/-0.038 χ^2/NDF: 26808.9/20

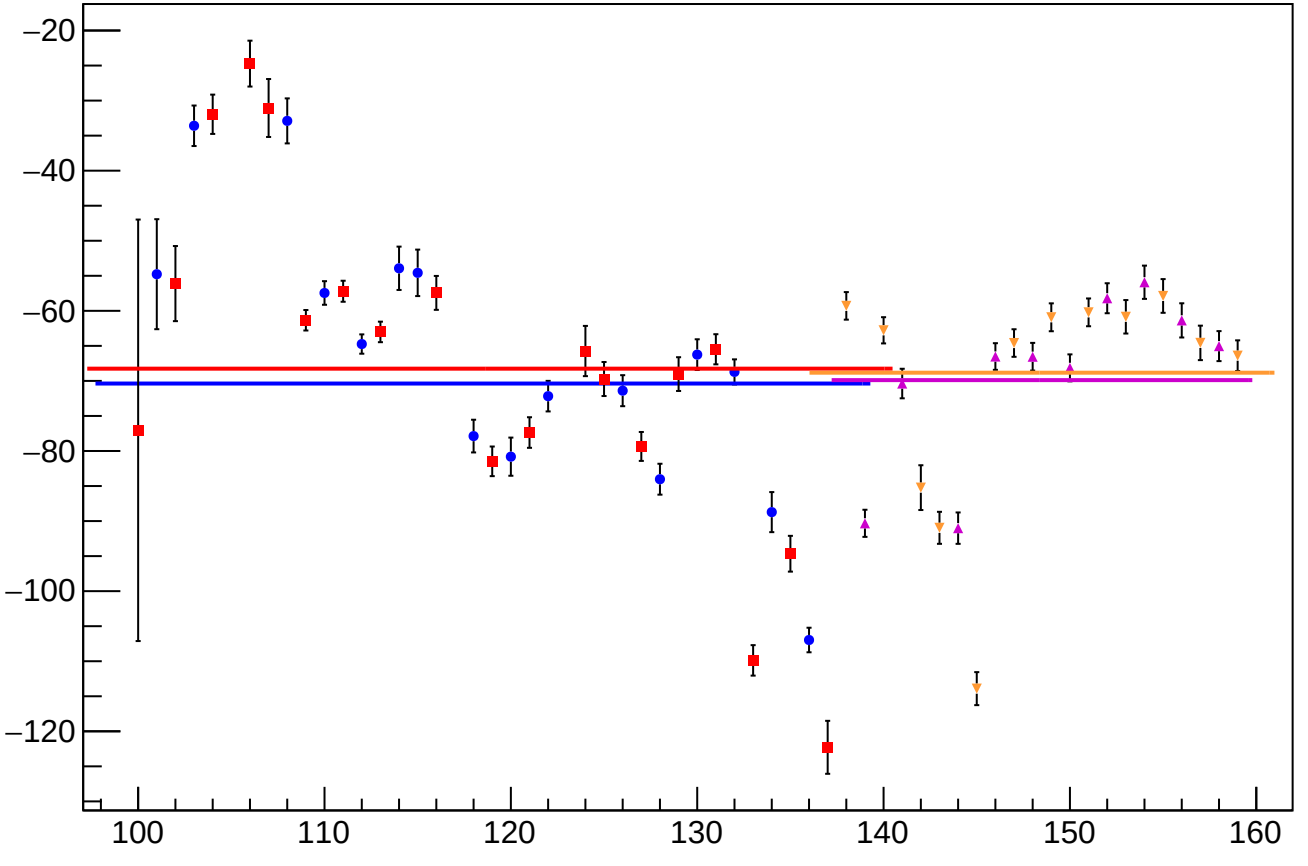
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 109.443+/-0.039 χ^2/NDF:359488.7/25

Out: 92.158+/-0.036 χ^2/NDF:1383283.5/28

All: 100.139+/-0.027 χ^2/NDF: 1847651.6/54

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -68.827+/-0.632 χ^2/NDF:595.9/11

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -69.887+/-0.663 χ^2/NDF:289.2/9

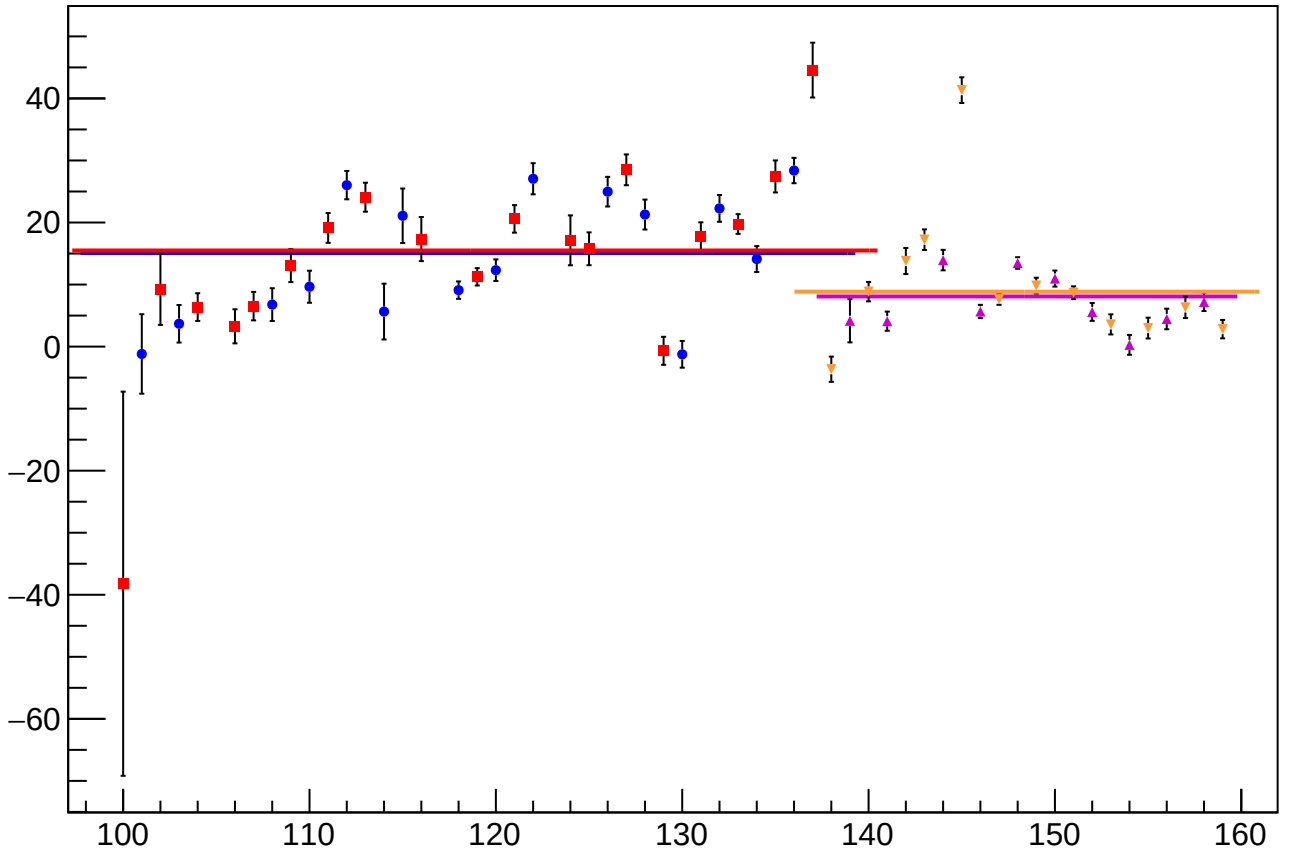
Left: -69.332+/-0.457 χ^2/NDF: 886.5/21

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -70.172+/-0.427 χ^2/NDF:1264.4/25

Out: -68.487+/-0.405 χ^2/NDF:1902.4/30

All: -69.285+/-0.294 χ^2/NDF: 3175.0/56



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 8.855+/-0.416 χ^2/NDF:359.2/11

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 8.080+/-0.439 χ^2/NDF:95.9/9

Left: 8.488+/-0.302 χ^2/NDF: 456.8/21

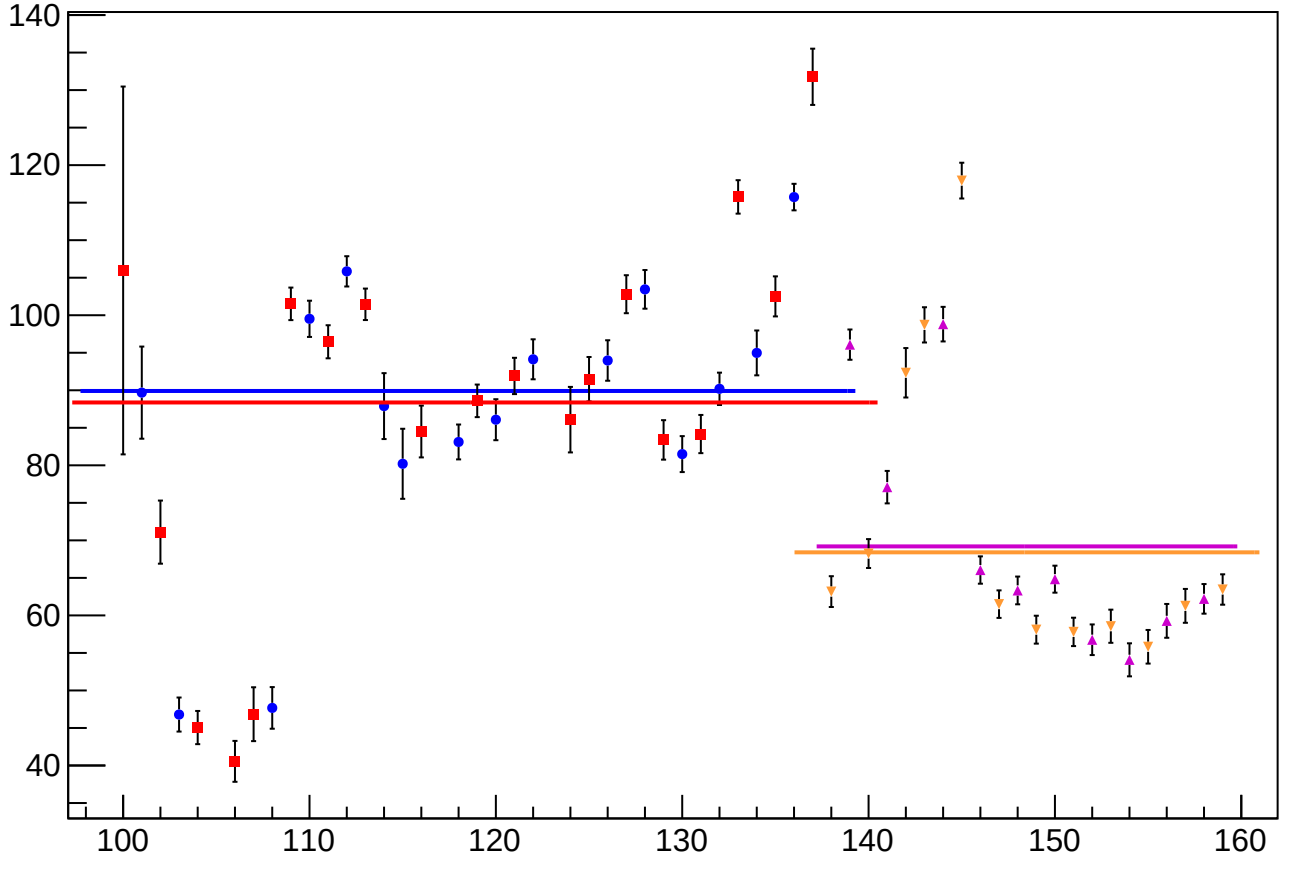
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 10.627+/-0.350 χ^2/NDF:431.2/25

Out: 11.223+/-0.333 χ^2/NDF:689.4/30

All: 10.940+/-0.241 χ^2/NDF: 1122.1/56

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: 68.405+/-0.612 χ^2/NDF:801.4/11

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 69.196+/-0.639 χ^2/NDF:491.4/9

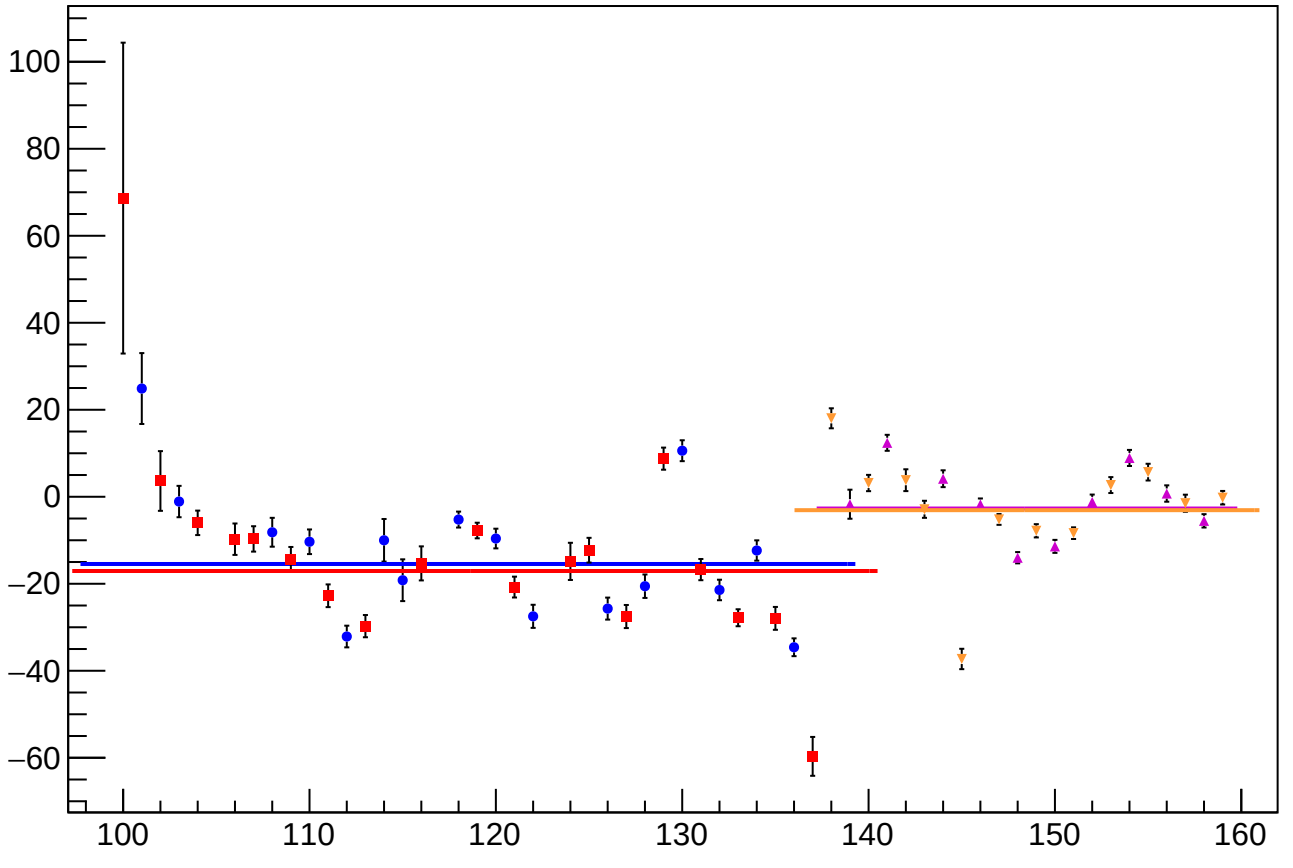
Left: 68.784+/-0.442 χ^2/NDF: 1293.6/21

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 79.519+/-0.452 χ^2/NDF:1963.2/25

Out: 78.306+/-0.435 χ^2/NDF:2617.8/30

All: 78.888+/-0.313 χ^2/NDF: 4584.7/56



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.083+/-0.503 χ^2/NDF:379.1/11

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.702+/-0.528 χ^2/NDF:237.8/9

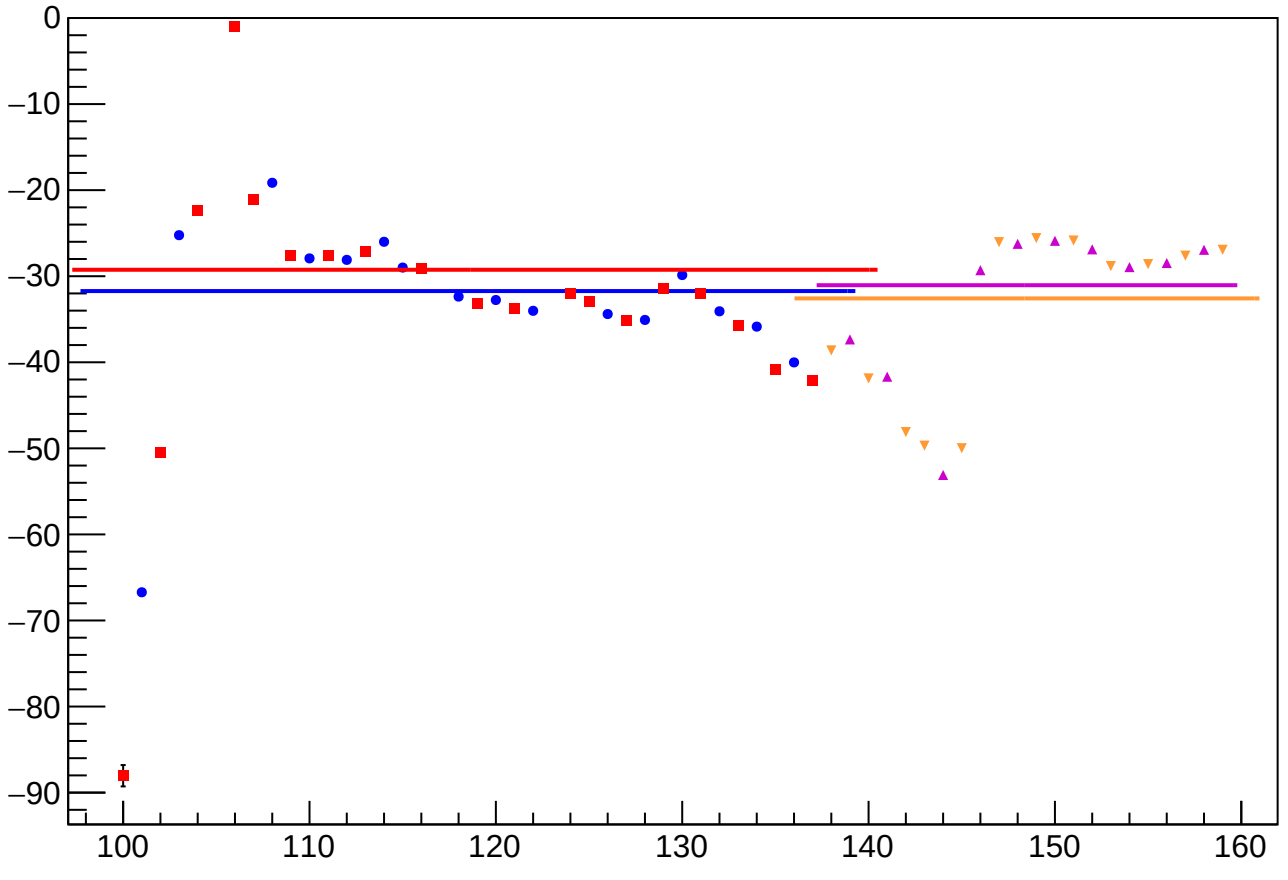
Left: -2.902+/-0.364 χ^2/NDF: 617.1/21

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -7.633+/-0.414 χ^2/NDF:849.5/25

Out: -8.387+/-0.396 χ^2/NDF:1033.0/30

All: -8.026+/-0.286 χ^2/NDF: 1884.3/56



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -32.579+/-0.024 χ^2/NDF:134698.7/11

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -31.046+/-0.024 χ^2/NDF:86306.3/9

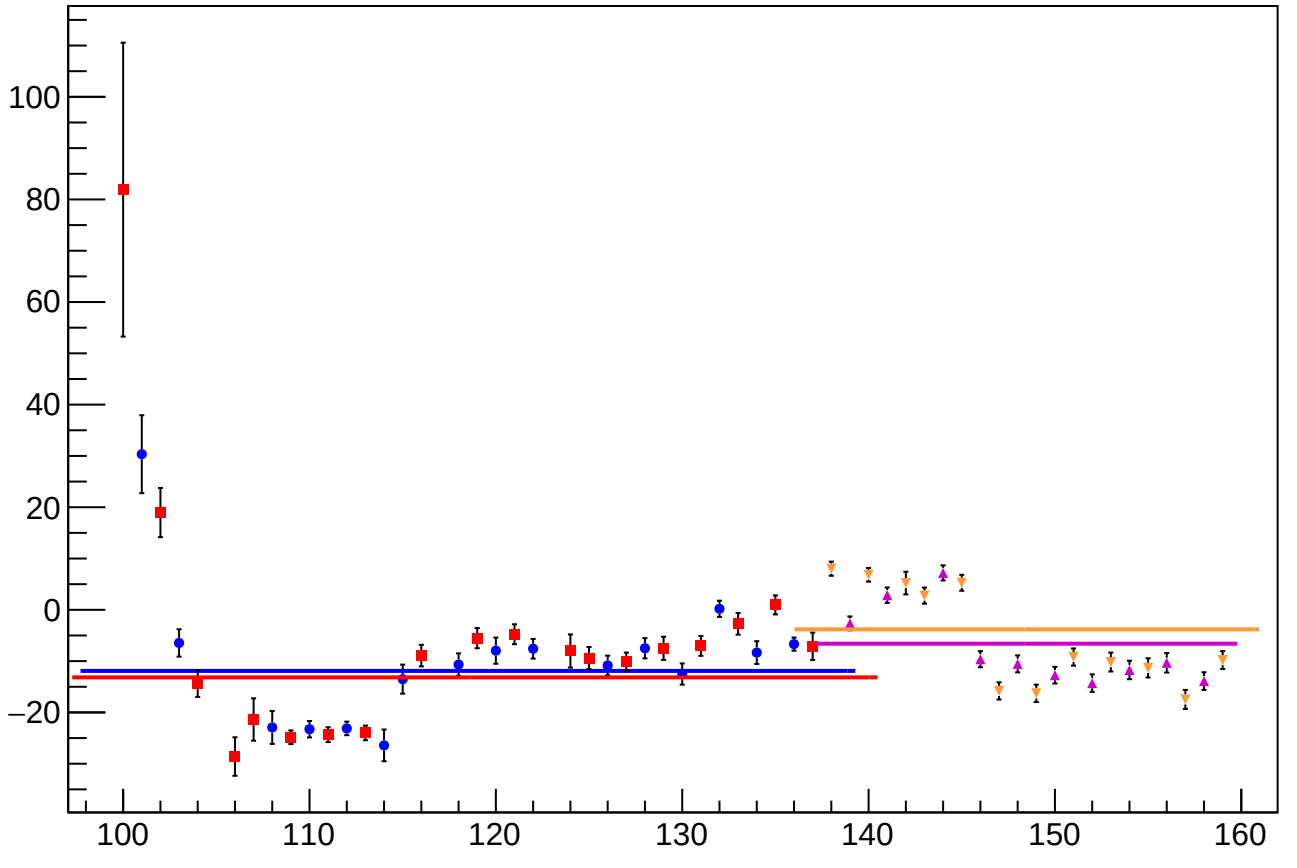
Left: -31.830+/-0.017 χ^2/NDF: 223071.1/21

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

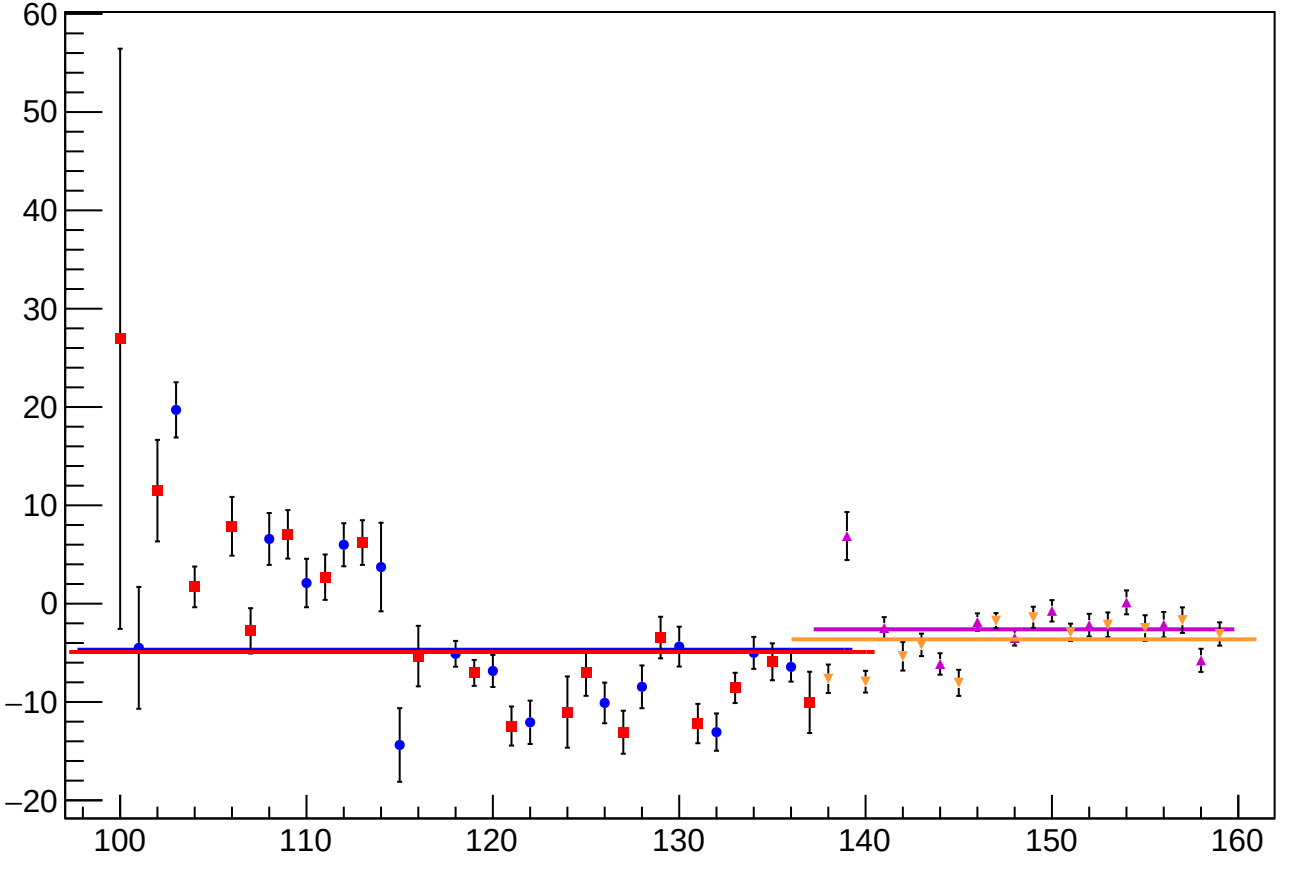
In: -31.237+/-0.020 χ^2/NDF:126166.1/25

Out: -31.669+/-0.020 χ^2/NDF:235387.1/30

All: -31.457+/-0.014 χ^2/NDF: 361779.9/56


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -3.810+/-0.478 χ²/NDF:417.0/11
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -6.600+/-0.508 χ²/NDF:209.5/9
Left: -5.118+/-0.348 χ²/NDF: 642.5/21
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -9.315+/-0.355 χ²/NDF:547.3/25
Out: -8.465+/-0.339 χ²/NDF:1029.5/30
All: -8.870+/-0.245 χ²/NDF: 1579.8/56

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: -3.626+/-0.325 χ^2/NDF:51.3/11

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.607+/-0.346 χ^2/NDF:43.0/9

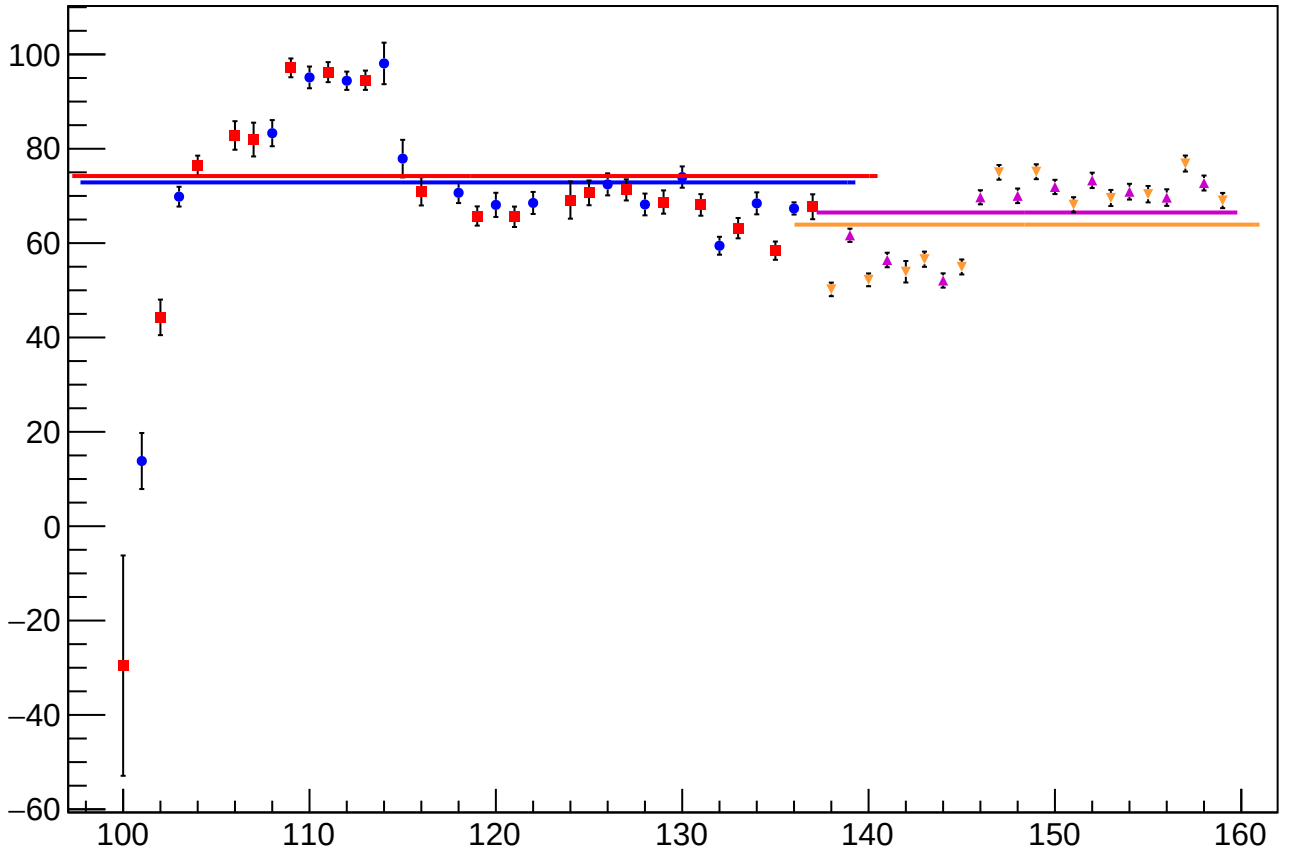
Left: -3.149+/-0.237 χ^2/NDF: 98.9/21

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.252+/-0.288 χ^2/NDF:233.2/25

Out: -3.995+/-0.275 χ^2/NDF:211.7/30

All: -3.641+/-0.199 χ^2/NDF: 448.3/56



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.920+/-0.466 χ^2/NDF:437.1/11

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 66.488+/-0.493 χ^2/NDF:210.3/9

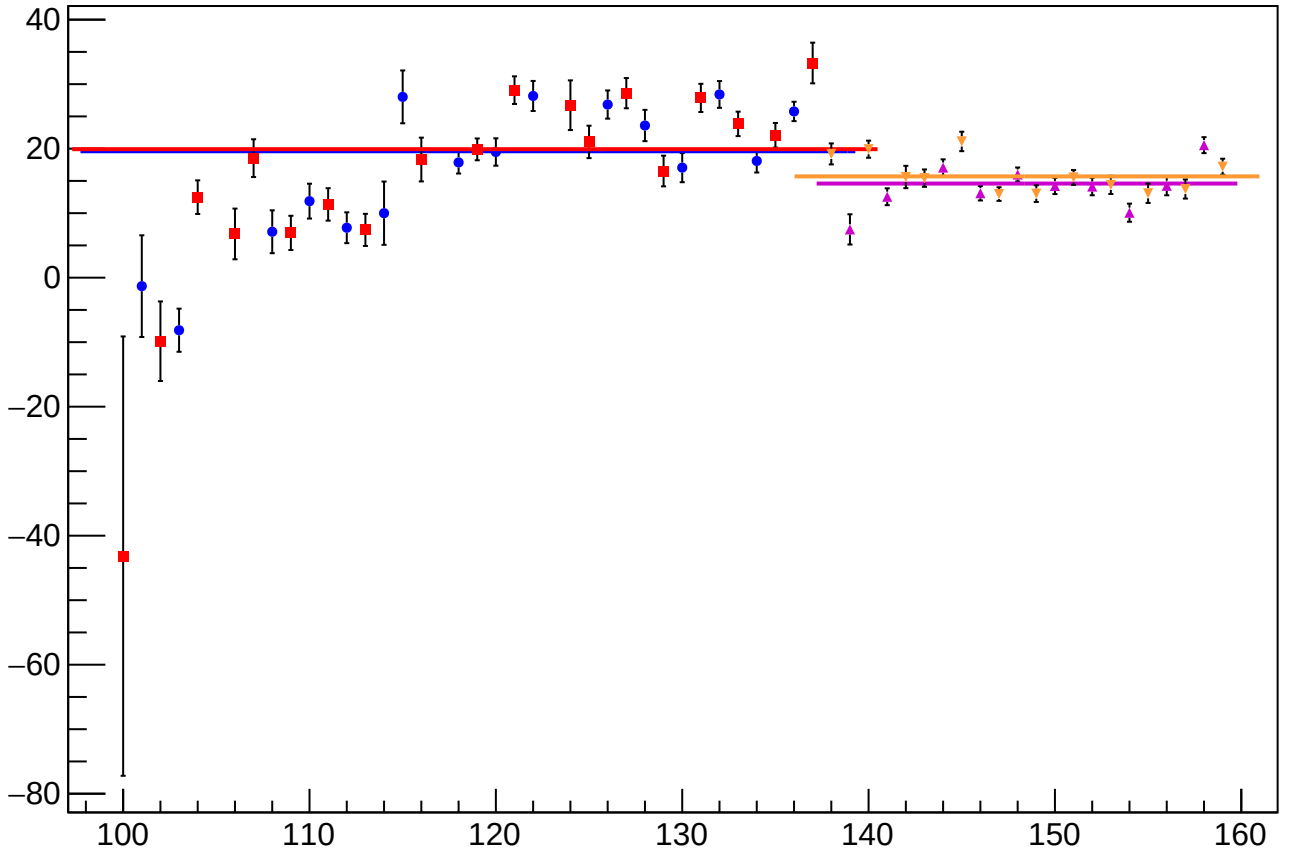
Left: 65.132+/-0.339 χ^2/NDF: 661.8/21

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

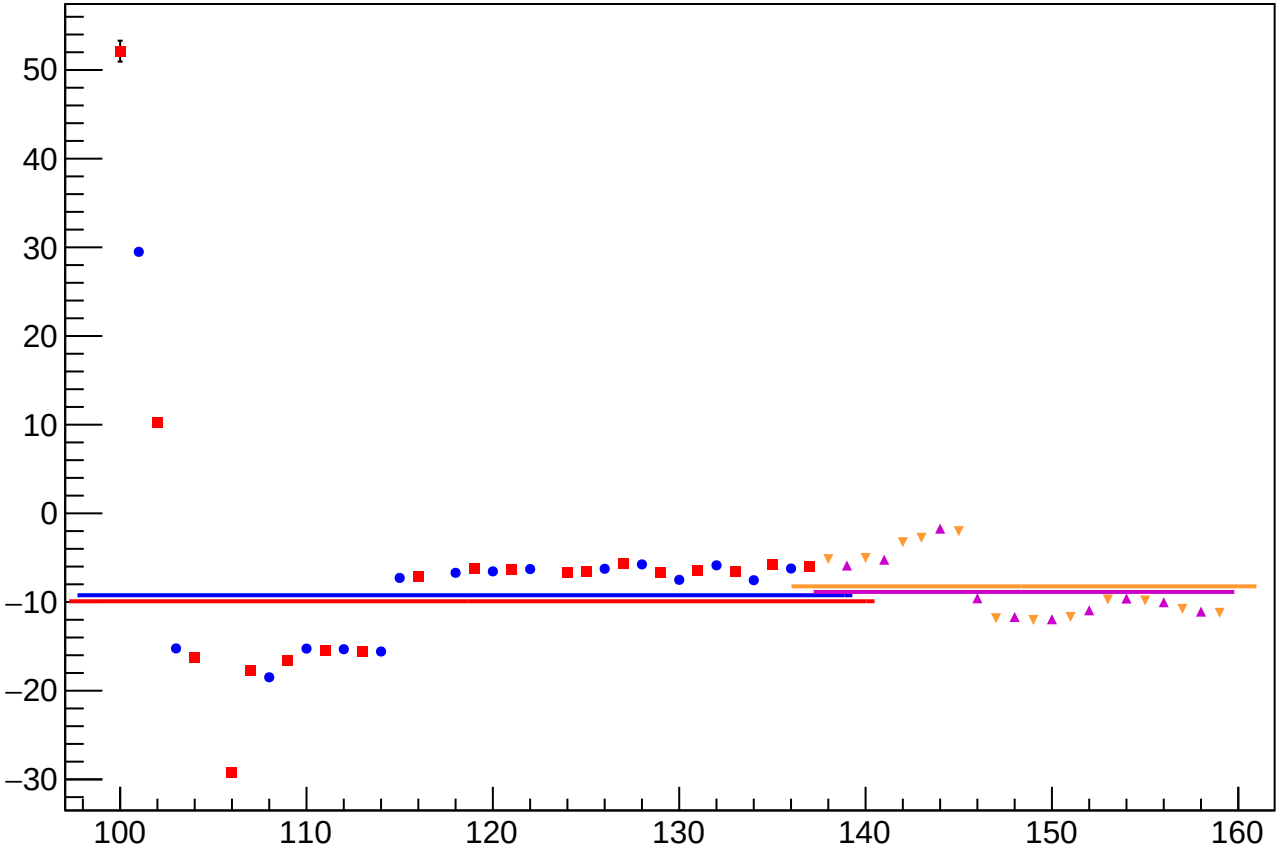
In: 69.244+/-0.372 χ^2/NDF:733.3/25

Out: 68.116+/-0.359 χ^2/NDF:1222.1/30

All: 68.660+/-0.258 χ^2/NDF: 1960.1/56


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 15.701+/-0.390 χ²/NDF:45.8/11
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 14.589+/-0.415 χ²/NDF:52.6/9
Left: 15.179+/-0.284 χ²/NDF: 102.3/21
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 16.263+/-0.338 χ²/NDF:297.4/25
Out: 16.998+/-0.325 χ²/NDF:263.1/30
All: 16.646+/-0.234 χ²/NDF: 562.9/56

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: -8.229+/-0.018 χ^2/NDF:40483.5/11

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -8.859+/-0.019 χ^2/NDF:26084.0/9

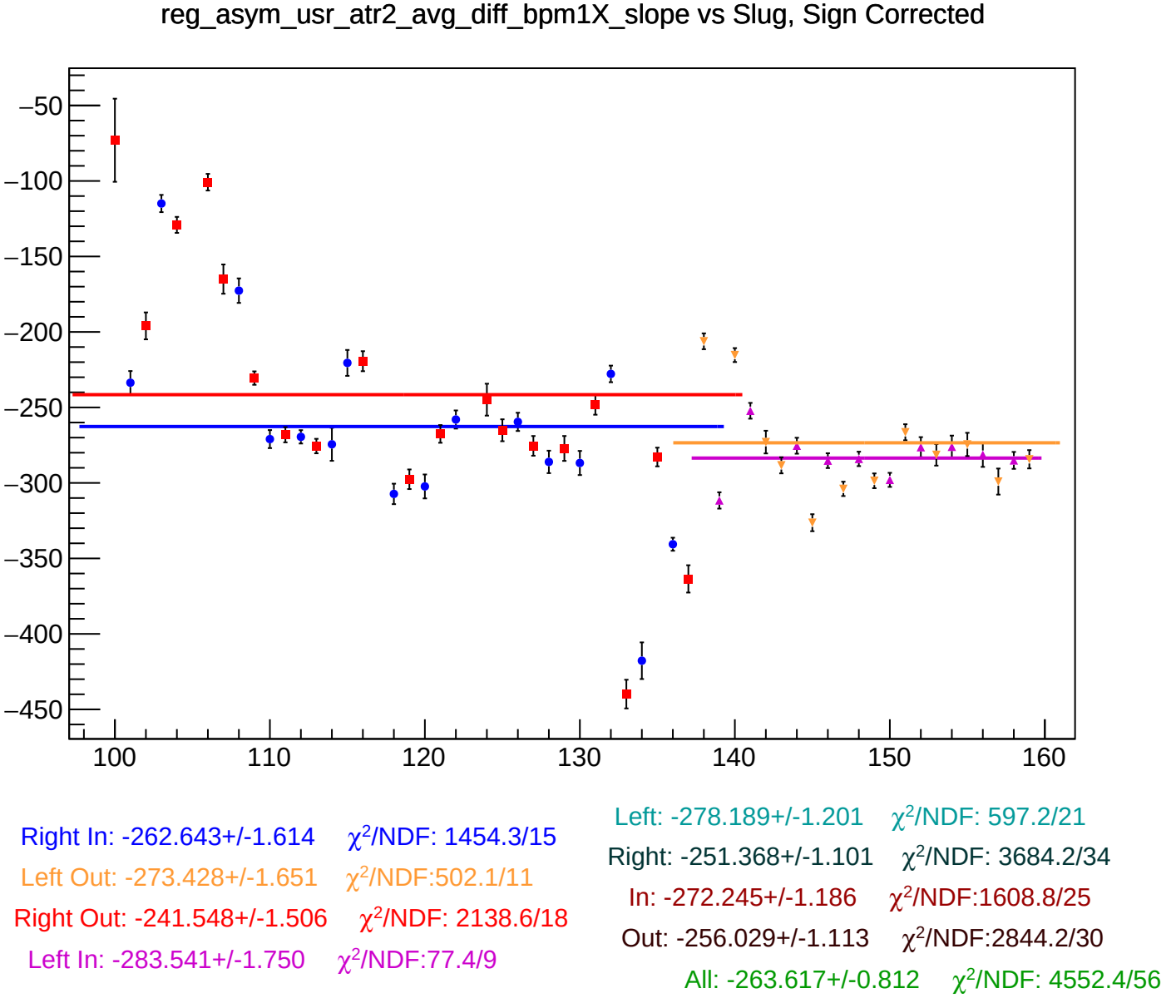
Left: -8.532+/-0.013 χ^2/NDF: 67160.2/21

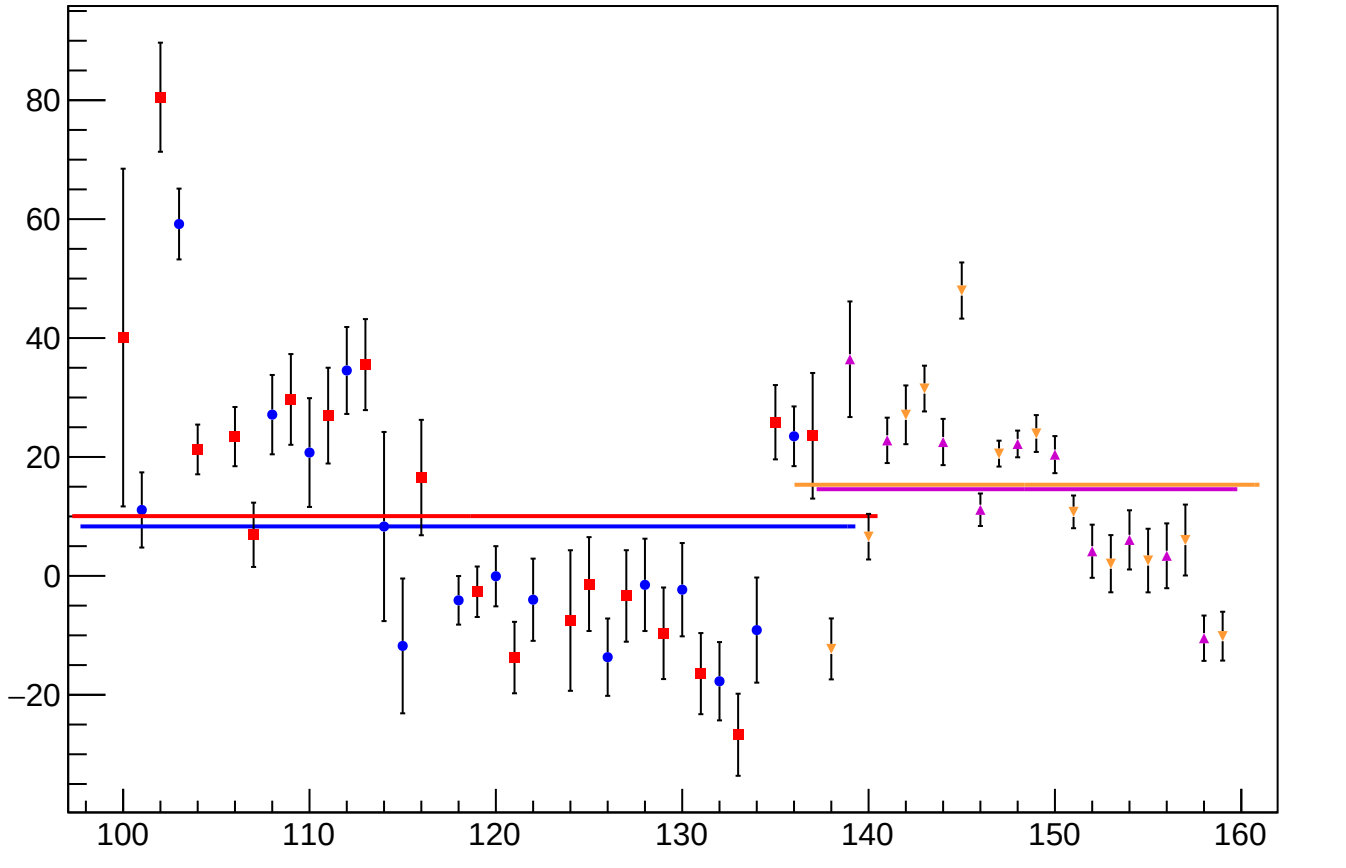
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -8.951+/-0.016 χ^2/NDF:57342.1/25

Out: -8.589+/-0.016 χ^2/NDF:96226.1/30

All: -8.767+/-0.011 χ^2/NDF: 153821.9/56


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
160
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -273.428+/-1.651 χ²/NDF:502.1/11
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -283.541+/-1.750 χ²/NDF:77.4/9
Left: -278.189+/-1.201 χ²/NDF: 597.2/21
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -272.245+/-1.186 χ²/NDF:1608.8/25
Out: -256.029+/-1.113 χ²/NDF:2844.2/30
All: -263.617+/-0.812 χ²/NDF: 4552.4/56



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 15.330+/-1.071 χ^2/NDF:175.8/11

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 14.576+/-1.137 χ^2/NDF:86.2/9

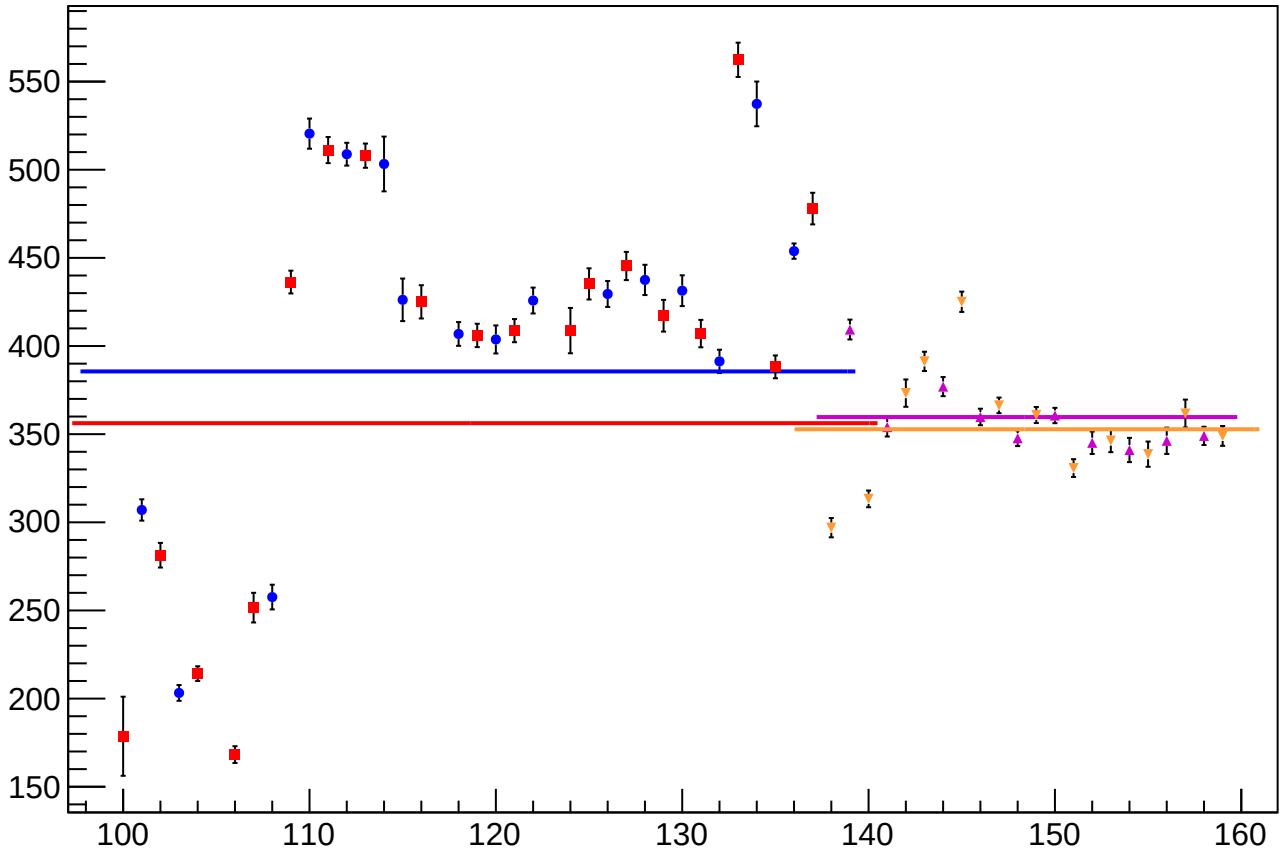
Left: 14.975+/-0.780 χ^2/NDF: 262.2/21

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 12.551+/-0.935 χ^2/NDF:253.7/25

Out: 13.608+/-0.879 χ^2/NDF:371.1/30

All: 13.112+/-0.641 χ^2/NDF: 625.4/56



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 352.790+/-1.608 χ^2/NDF:425.5/11

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 359.715+/-1.690 χ^2/NDF:116.4/9

Left: 356.081+/-1.165 χ^2/NDF: 550.8/21

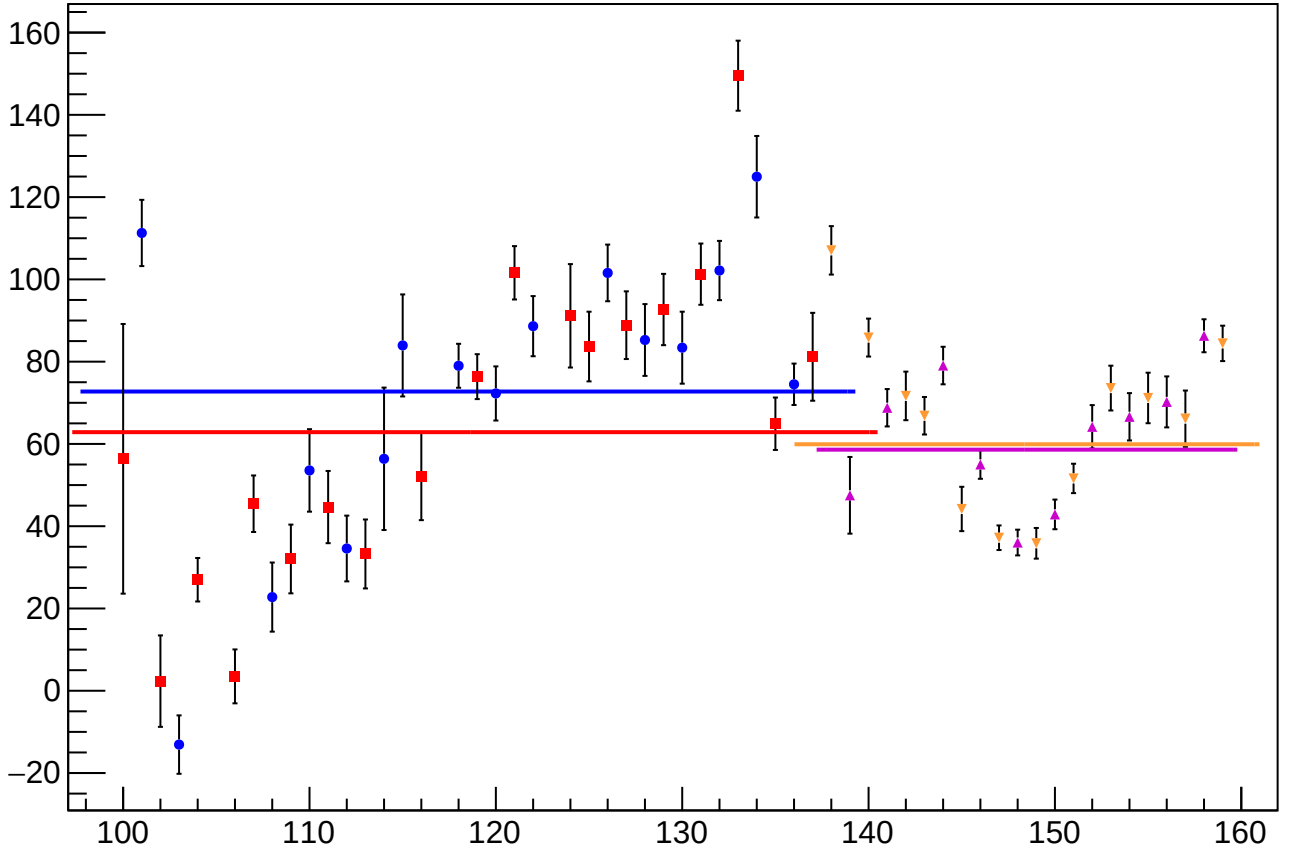
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 372.258+/-1.213 χ^2/NDF:3603.2/25

Out: 354.477+/-1.150 χ^2/NDF:5698.0/30

All: 362.897+/-0.835 χ^2/NDF: 9414.3/56

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: 59.919+/-1.307 χ^2/NDF:258.3/11

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 58.606+/-1.381 χ^2/NDF:153.0/9

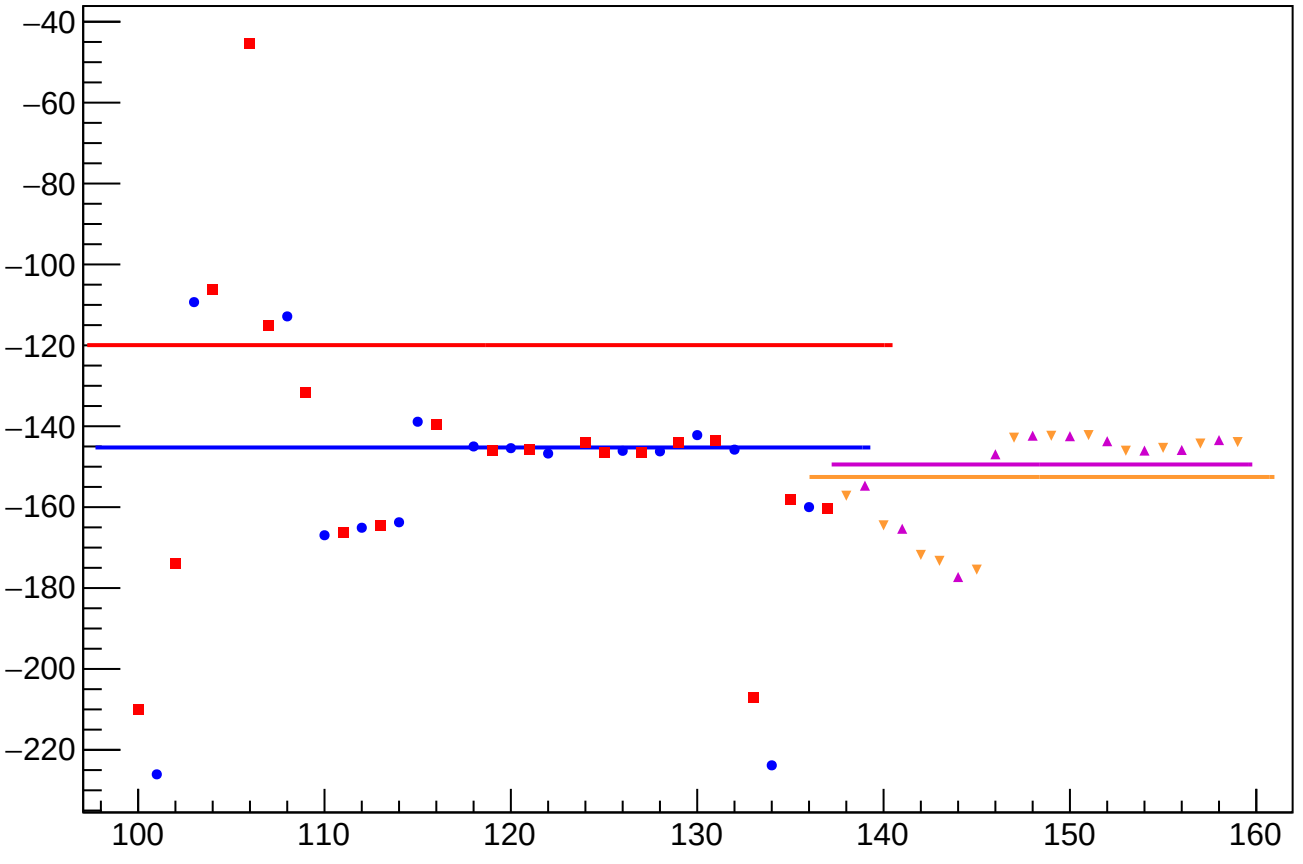
Left: 59.299+/-0.950 χ^2/NDF: 411.7/21

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 63.504+/-1.117 χ^2/NDF:493.6/25

Out: 60.940+/-1.057 χ^2/NDF:663.6/30

All: 62.151+/-0.768 χ^2/NDF: 1160.0/56



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -152.540+/-0.064 χ^2/NDF:38233.7/11

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -149.450+/-0.065 χ^2/NDF:24465.3/9

Left: -151.032+/-0.046 χ^2/NDF: 63851.2/21

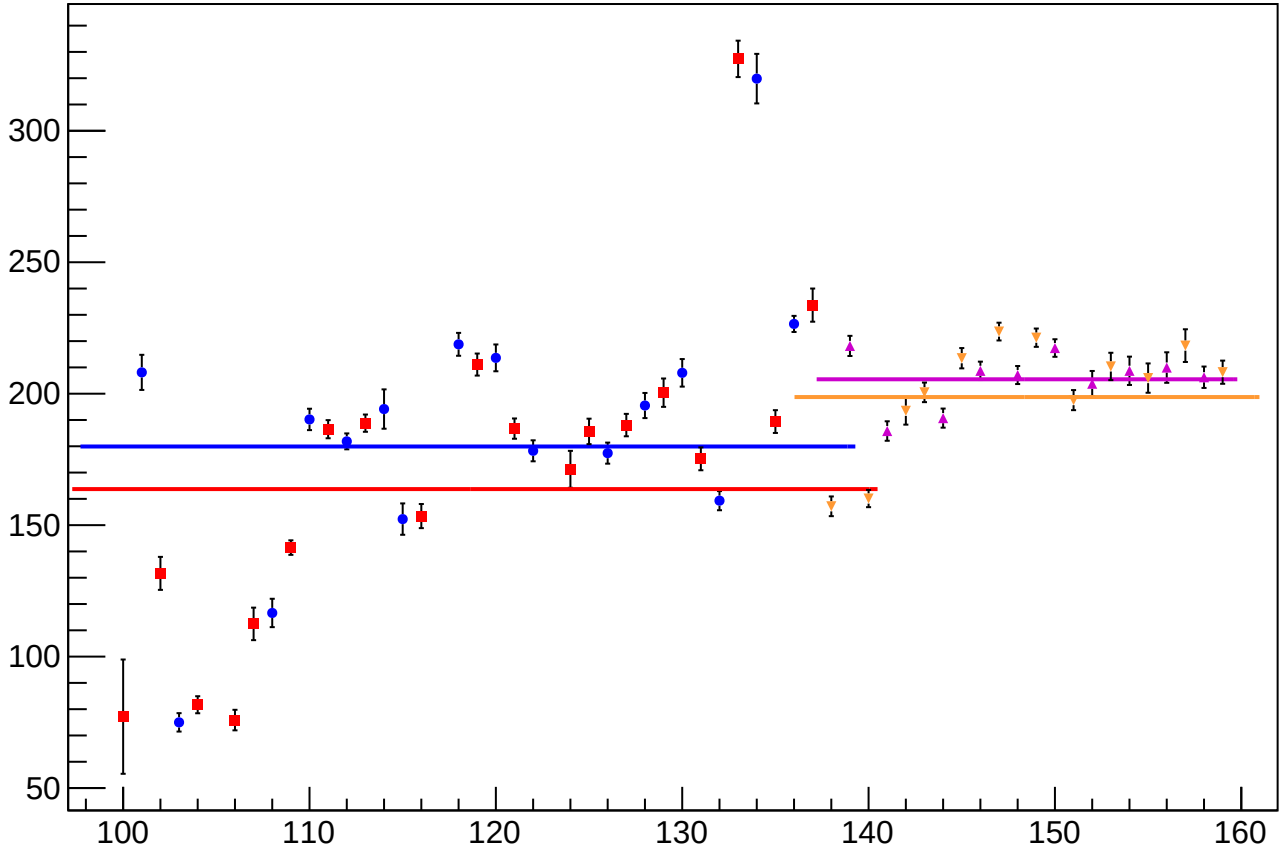
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -148.168+/-0.054 χ^2/NDF:157793.0/25

Out: -141.517+/-0.052 χ^2/NDF:397404.2/30

All: -144.683+/-0.037 χ^2/NDF: 563061.6/56

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.723+/-1.175 χ^2/NDF:395.0/11

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 205.478+/-1.250 χ^2/NDF:70.6/9

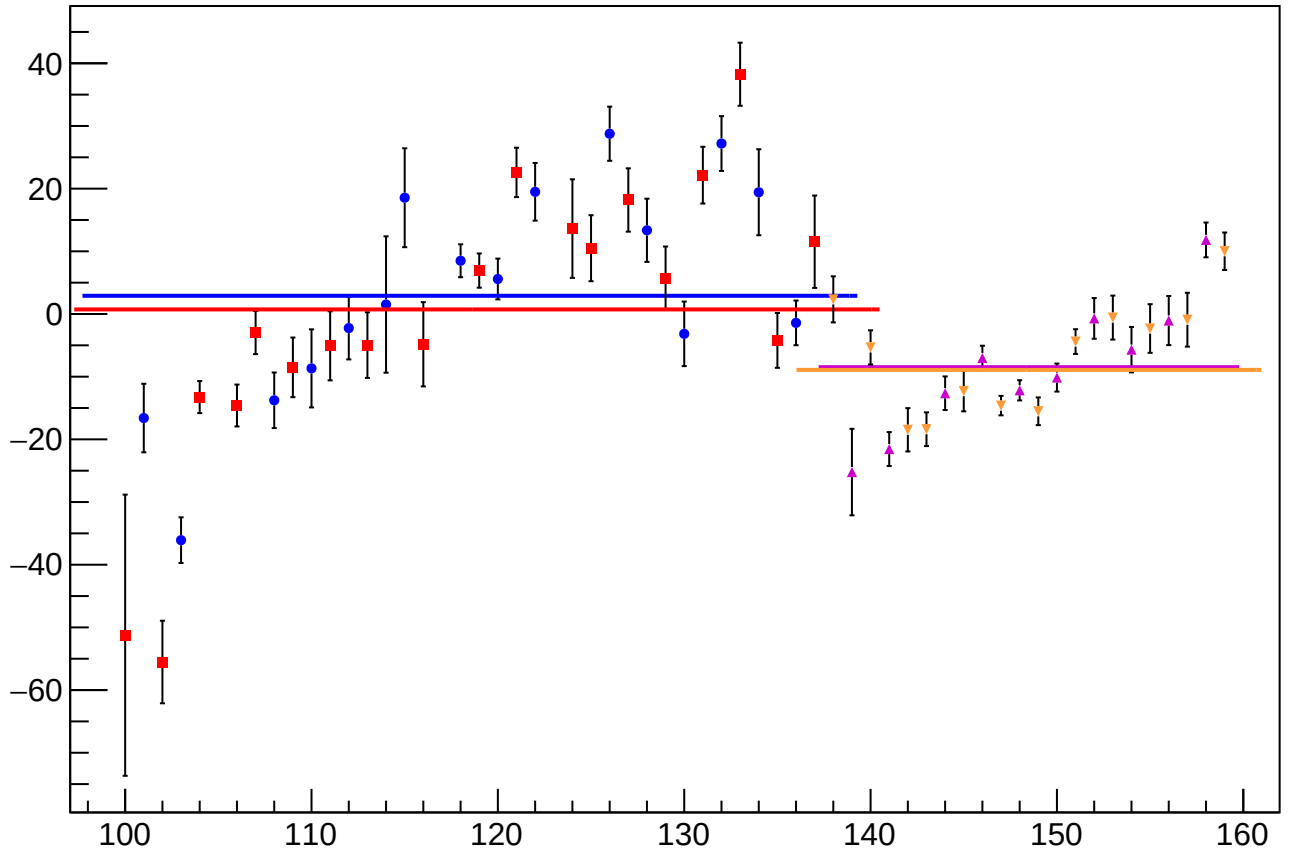
Left: 201.892+/-0.856 χ^2/NDF: 481.1/21

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 190.947+/-0.821 χ^2/NDF:2041.1/25

Out: 178.440+/-0.762 χ^2/NDF:3326.4/30

All: 184.228+/-0.558 χ^2/NDF: 5492.3/56



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -8.916+/-0.763 χ^2/NDF:112.0/11

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -8.481+/-0.814 χ^2/NDF:101.6/9

Left: -8.713+/-0.557 χ^2/NDF: 213.8/21

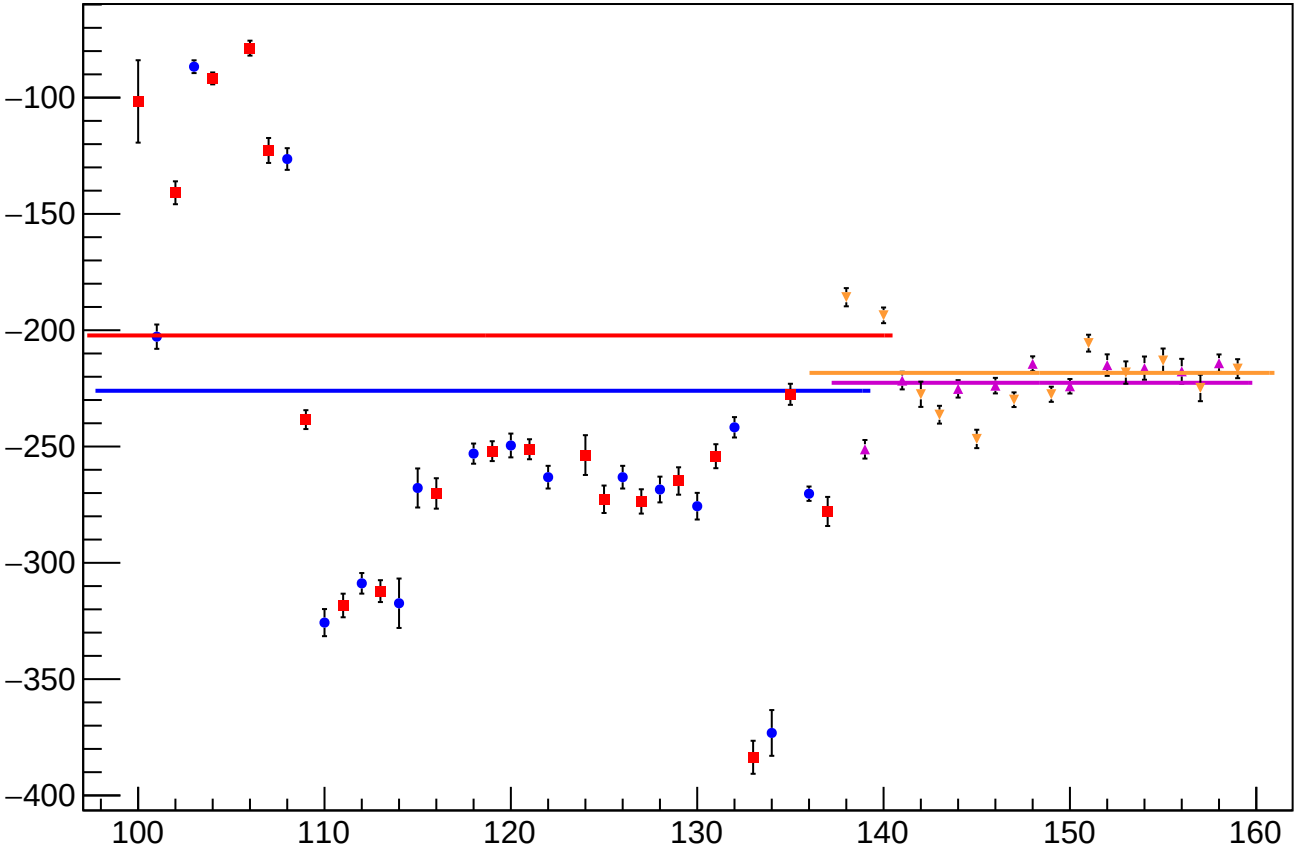
Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -4.474+/-0.655 χ^2/NDF:418.0/25

Out: -5.421+/-0.609 χ^2/NDF:443.5/30

All: -4.982+/-0.446 χ^2/NDF: 862.6/56

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.336+/-1.146 χ^2/NDF:235.8/11

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -222.598+/-1.208 χ^2/NDF:68.9/9

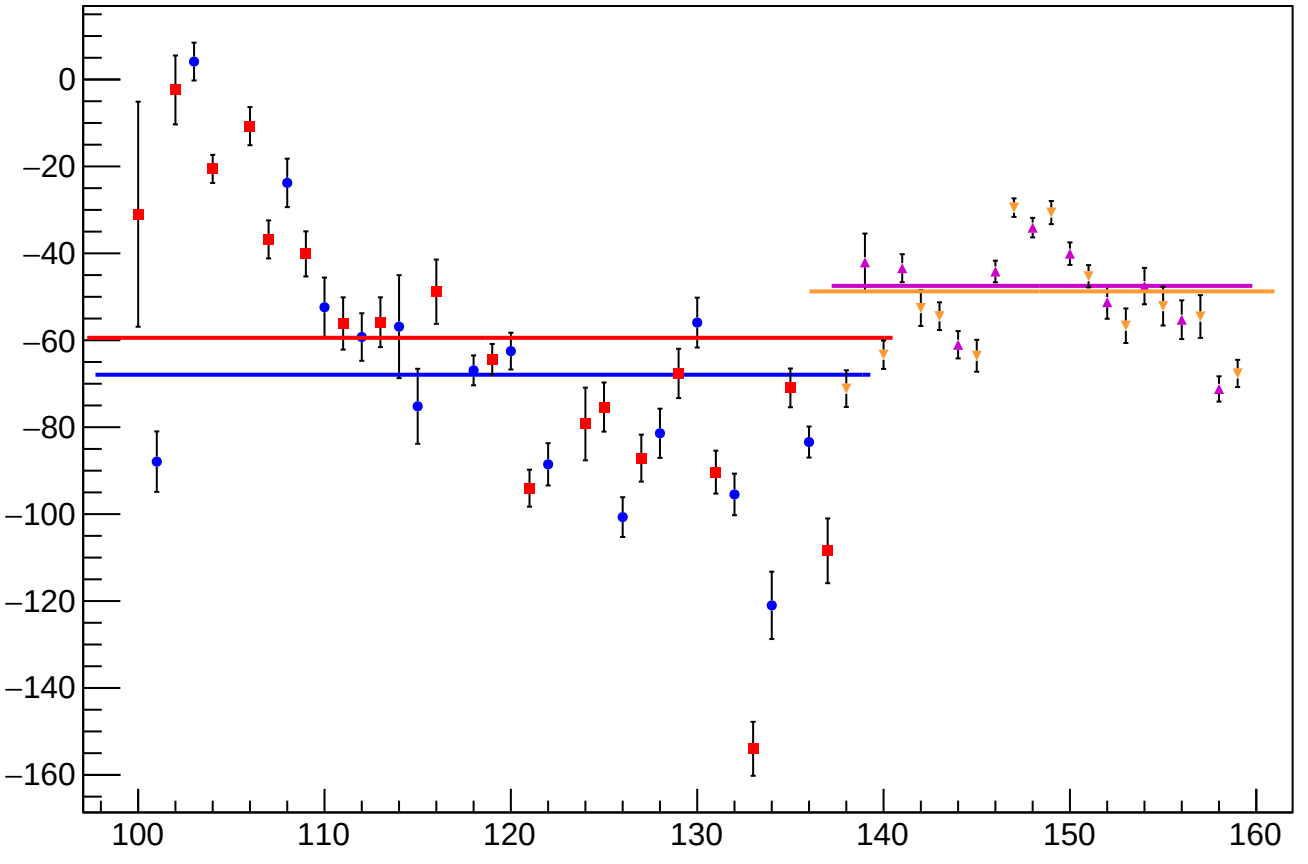
Left: -220.355+/-0.831 χ^2/NDF: 311.2/21

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -224.360+/-0.842 χ^2/NDF:4612.0/25

Out: -209.869+/-0.789 χ^2/NDF:7030.4/30

All: -216.639+/-0.576 χ^2/NDF: 11800.2/56



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -48.755+/-0.932 χ^2/NDF:240.6/11

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -47.485+/-0.989 χ^2/NDF:136.7/9

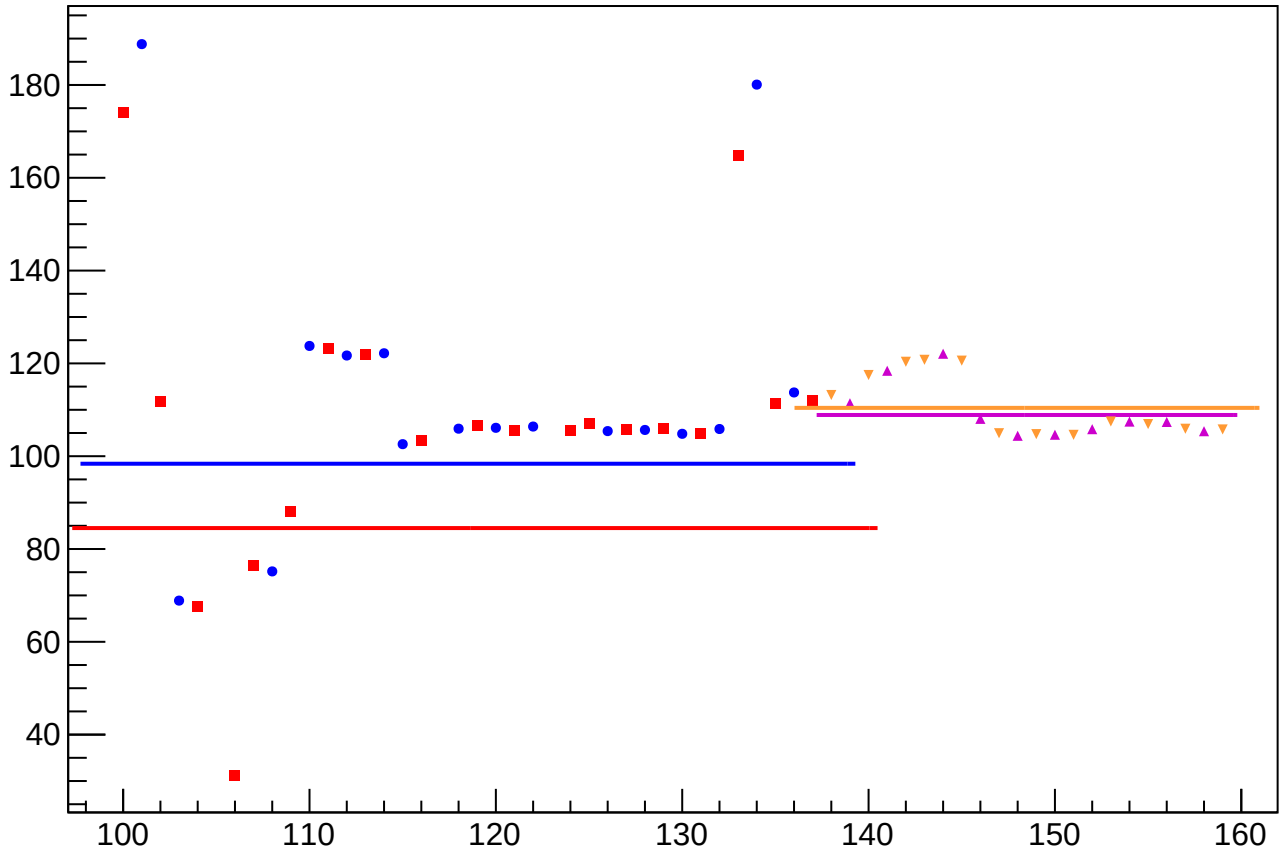
Left: -48.157+/-0.678 χ^2/NDF: 378.1/21

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -55.137+/-0.782 χ^2/NDF:830.8/25

Out: -52.837+/-0.732 χ^2/NDF:1085.6/30

All: -53.912+/-0.535 χ^2/NDF: 1921.0/56



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 110.416+/-0.045 χ^2/NDF:20179.1/11

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.884+/-0.047 χ^2/NDF:13831.3/9

Left: 109.670+/-0.033 χ^2/NDF: 34564.9/21

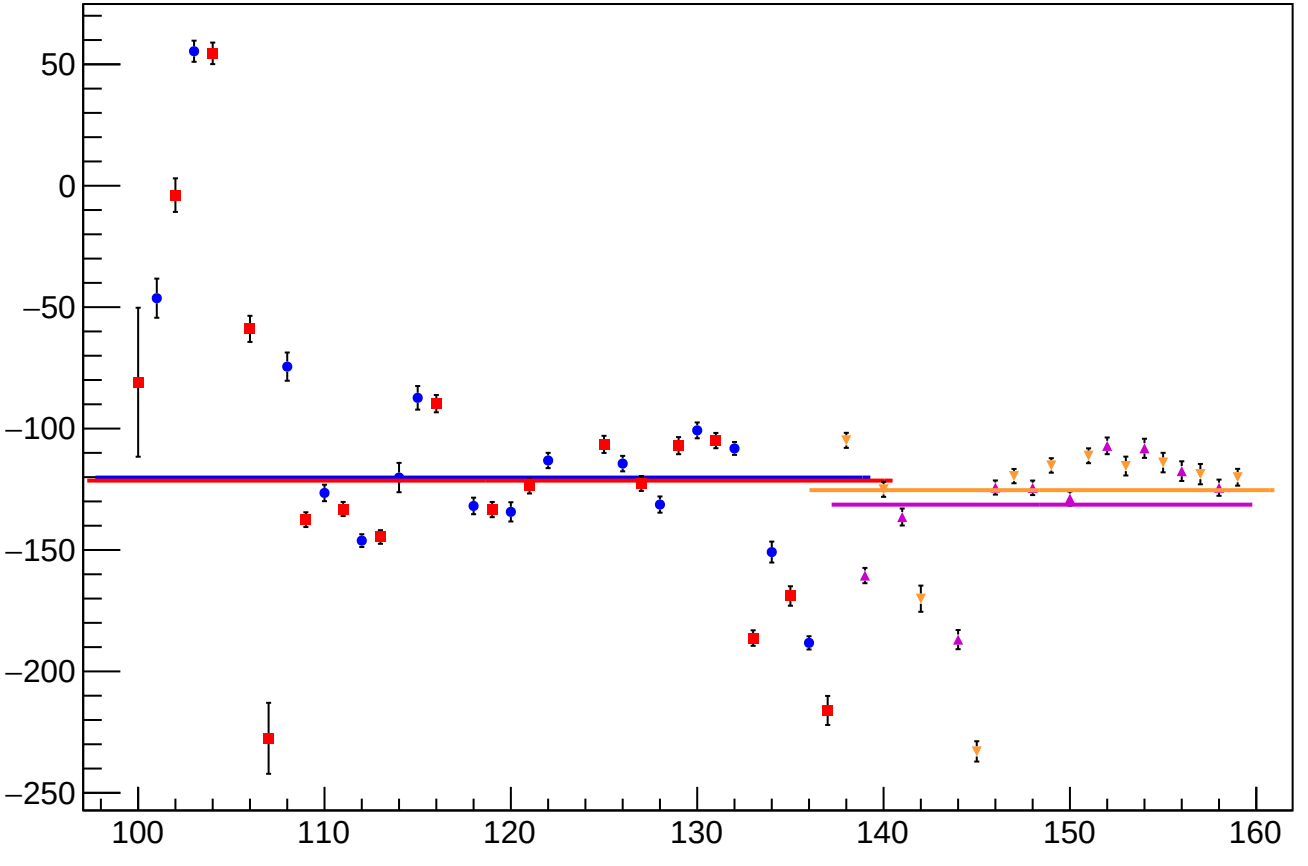
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.388+/-0.038 χ^2/NDF:259141.1/25

Out: 101.111+/-0.036 χ^2/NDF:406061.9/30

All: 103.149+/-0.026 χ^2/NDF: 671803.5/56

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -125.360+/-1.053 χ^2/NDF:829.2/10

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -131.328+/-1.057 χ^2/NDF:398.3/9

Left: -128.333+/-0.746 χ^2/NDF: 1243.4/20

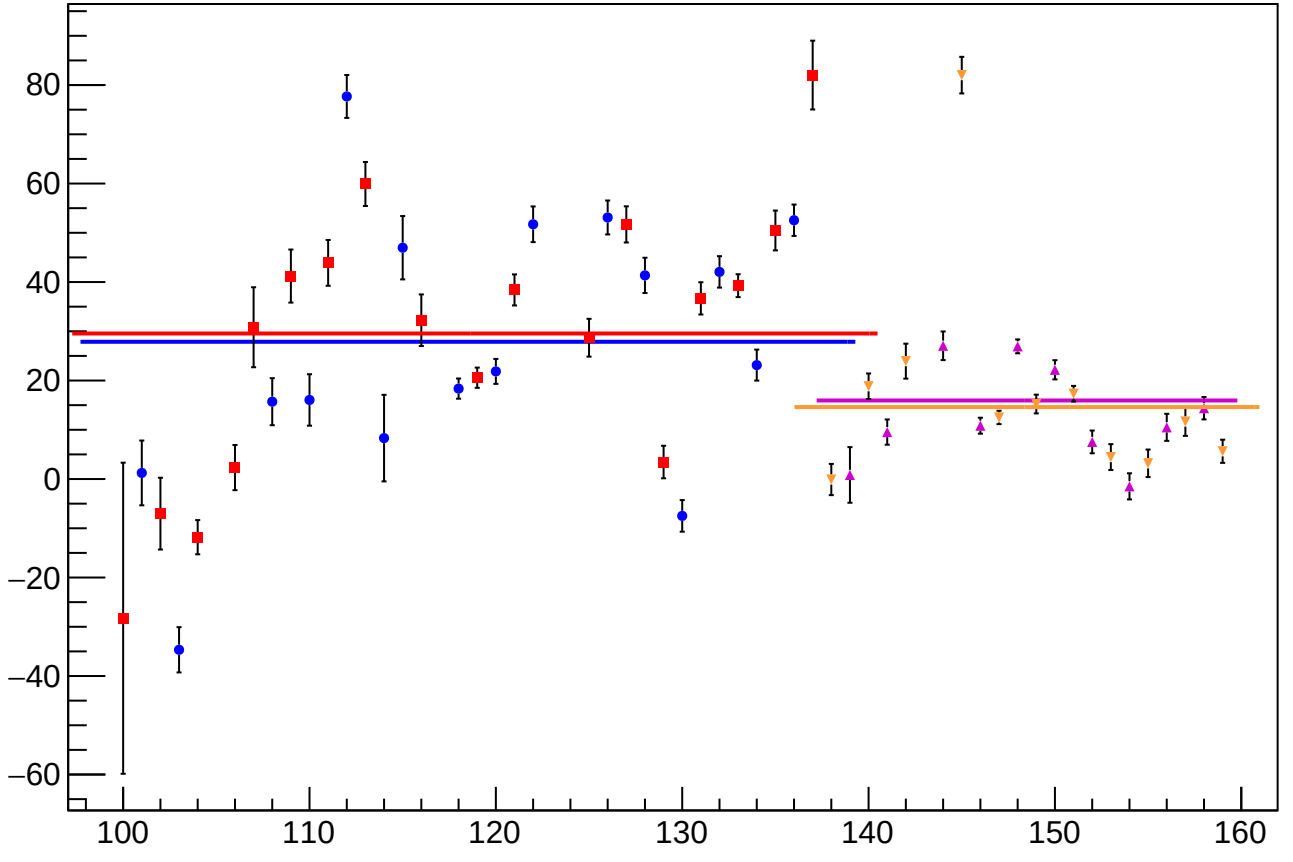
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -124.807+/-0.681 χ^2/NDF:3154.6/25

Out: -123.029+/-0.673 χ^2/NDF:3963.8/28

All: -123.908+/-0.479 χ^2/NDF: 7121.8/54

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: 14.612+/-0.676 χ^2/NDF:413.0/10

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 15.951+/-0.689 χ^2/NDF:169.9/9

Left: 15.269+/-0.483 χ^2/NDF: 584.9/20

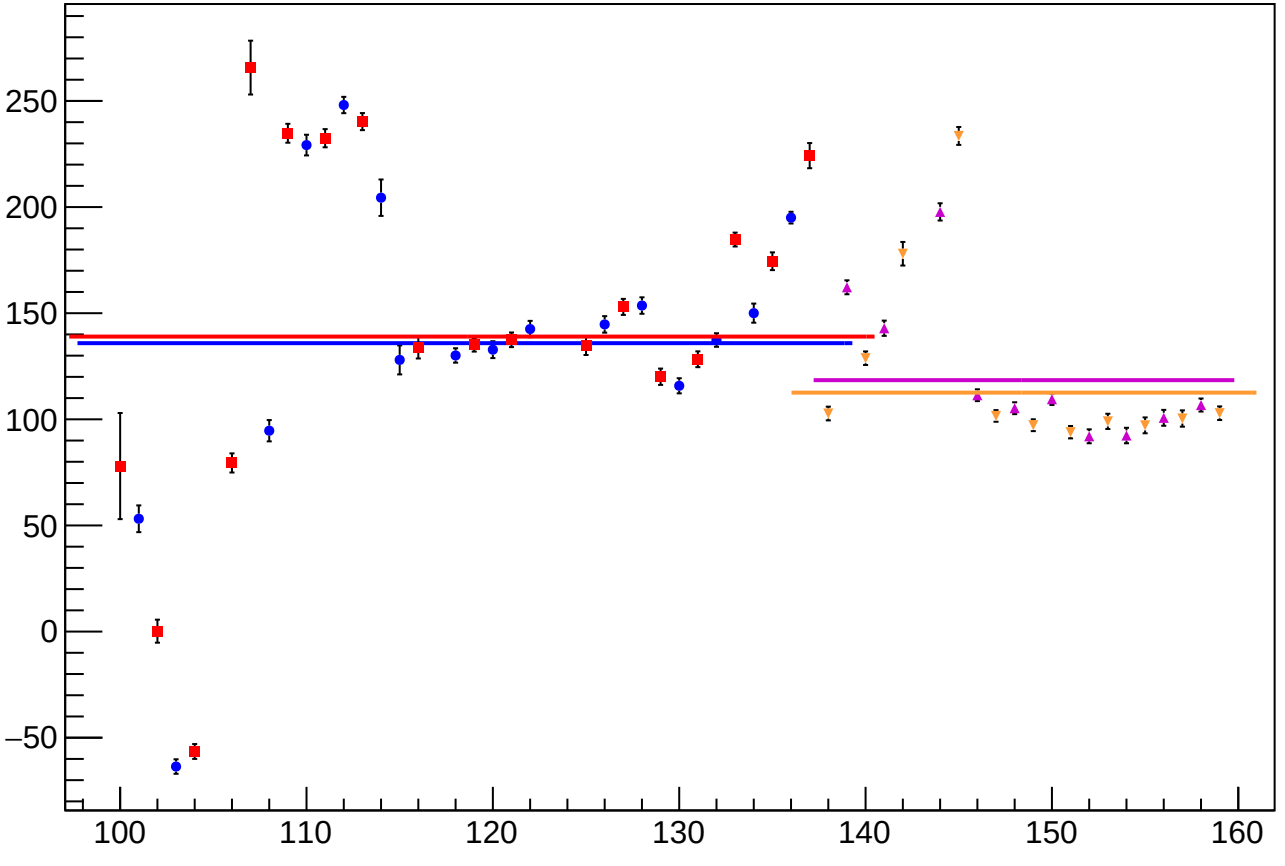
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 20.432+/-0.545 χ^2/NDF:982.0/25

Out: 20.079+/-0.538 χ^2/NDF:1089.3/28

All: 20.253+/-0.383 χ^2/NDF: 2071.5/54

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: 112.579+/-1.013 χ^2/NDF:1132.2/10

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 118.451+/-1.016 χ^2/NDF:796.8/9

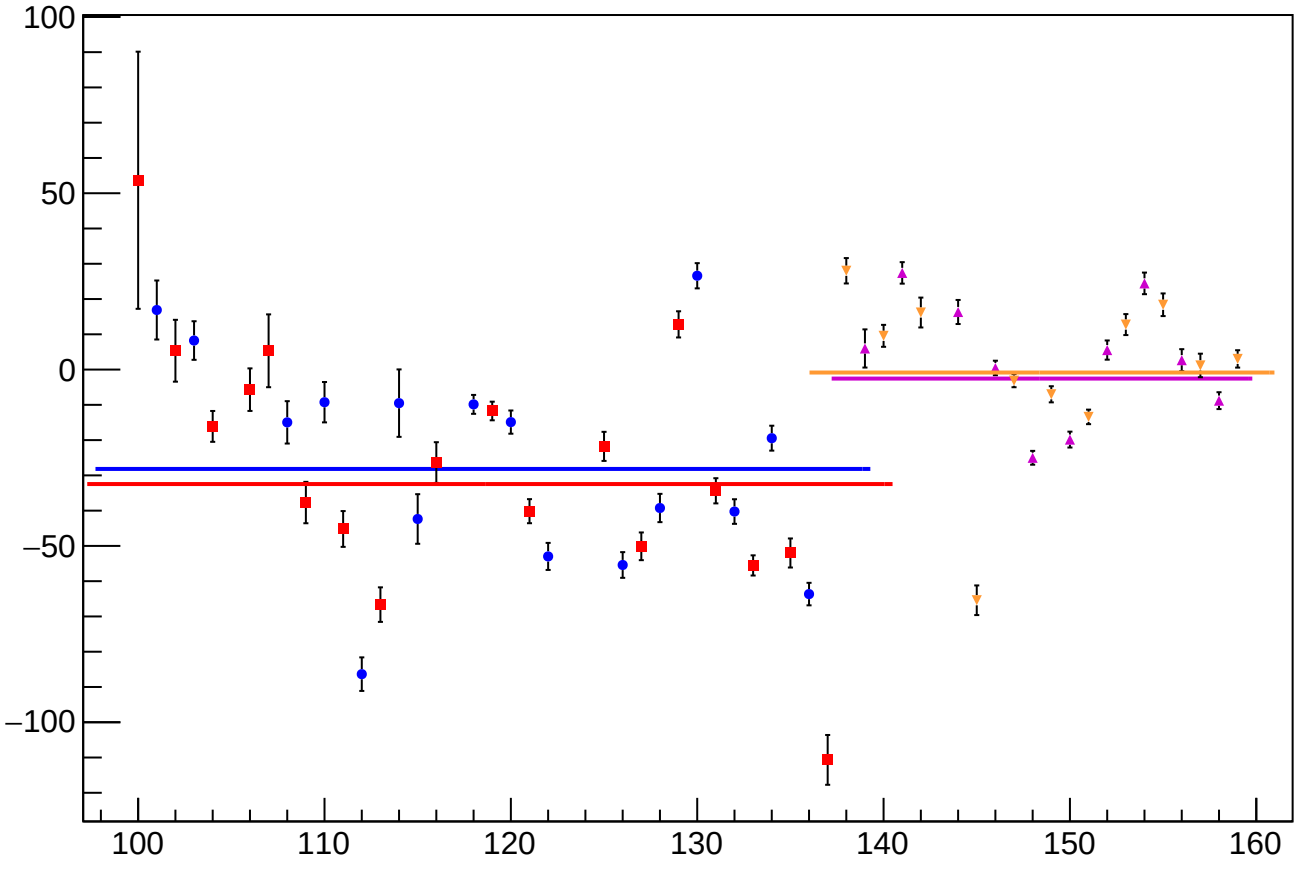
Left: 115.507+/-0.717 χ^2/NDF: 1945.8/20

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 127.317+/-0.712 χ^2/NDF:6410.2/25

Out: 125.976+/-0.711 χ^2/NDF:7633.4/28

All: 126.646+/-0.503 χ^2/NDF: 14045.4/54



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -0.836+/-0.824 χ^2/NDF:433.3/10

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.555+/-0.834 χ^2/NDF:418.3/9

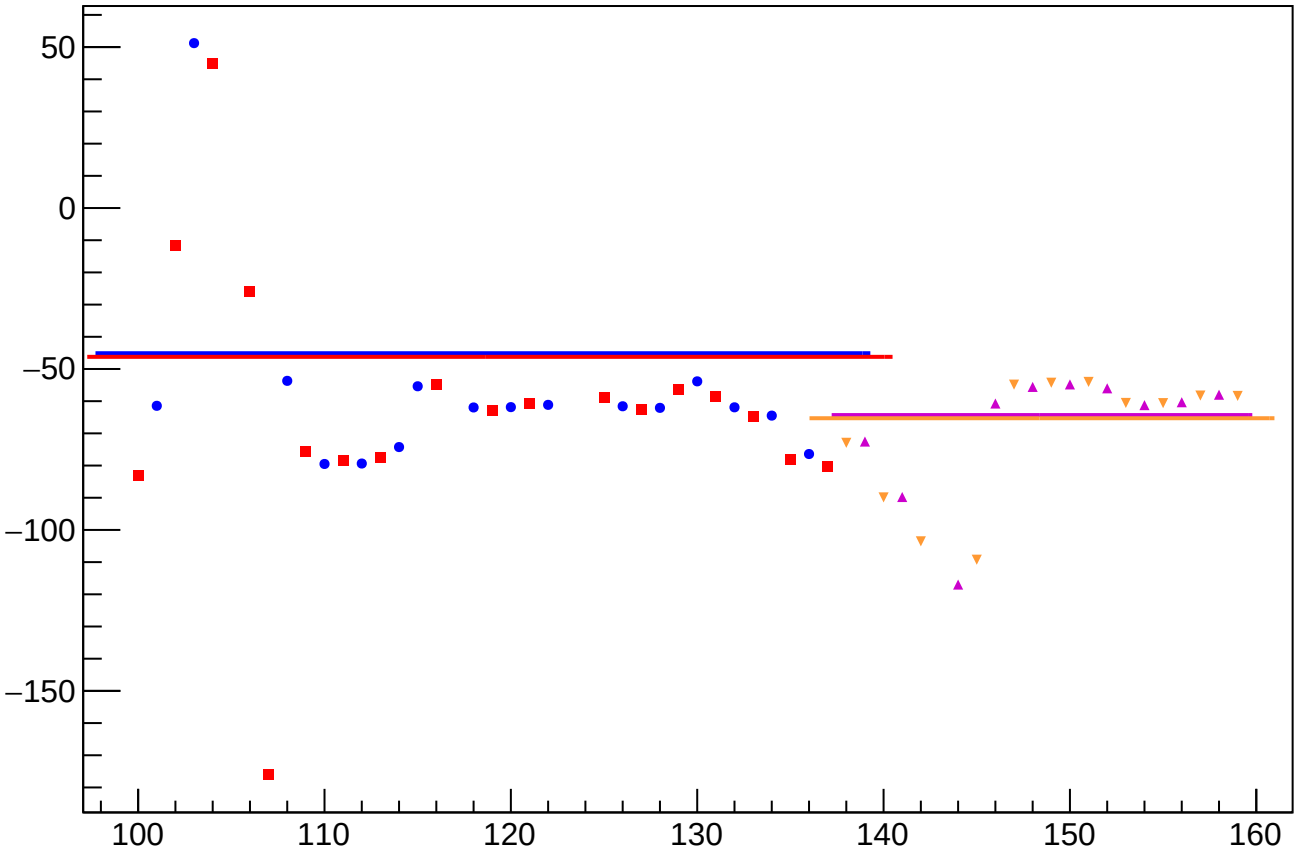
Left: -1.685+/-0.586 χ^2/NDF: 853.7/20

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -12.791+/-0.646 χ^2/NDF:1586.7/25

Out: -13.211+/-0.643 χ^2/NDF:1590.8/28

All: -13.002+/-0.456 χ^2/NDF: 3177.7/54



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -65.300+/-0.039 χ^2/NDF:167031.9/10

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -64.319+/-0.038 χ^2/NDF:142640.7/9

Left: -64.802+/-0.027 χ^2/NDF: 309993.4/20

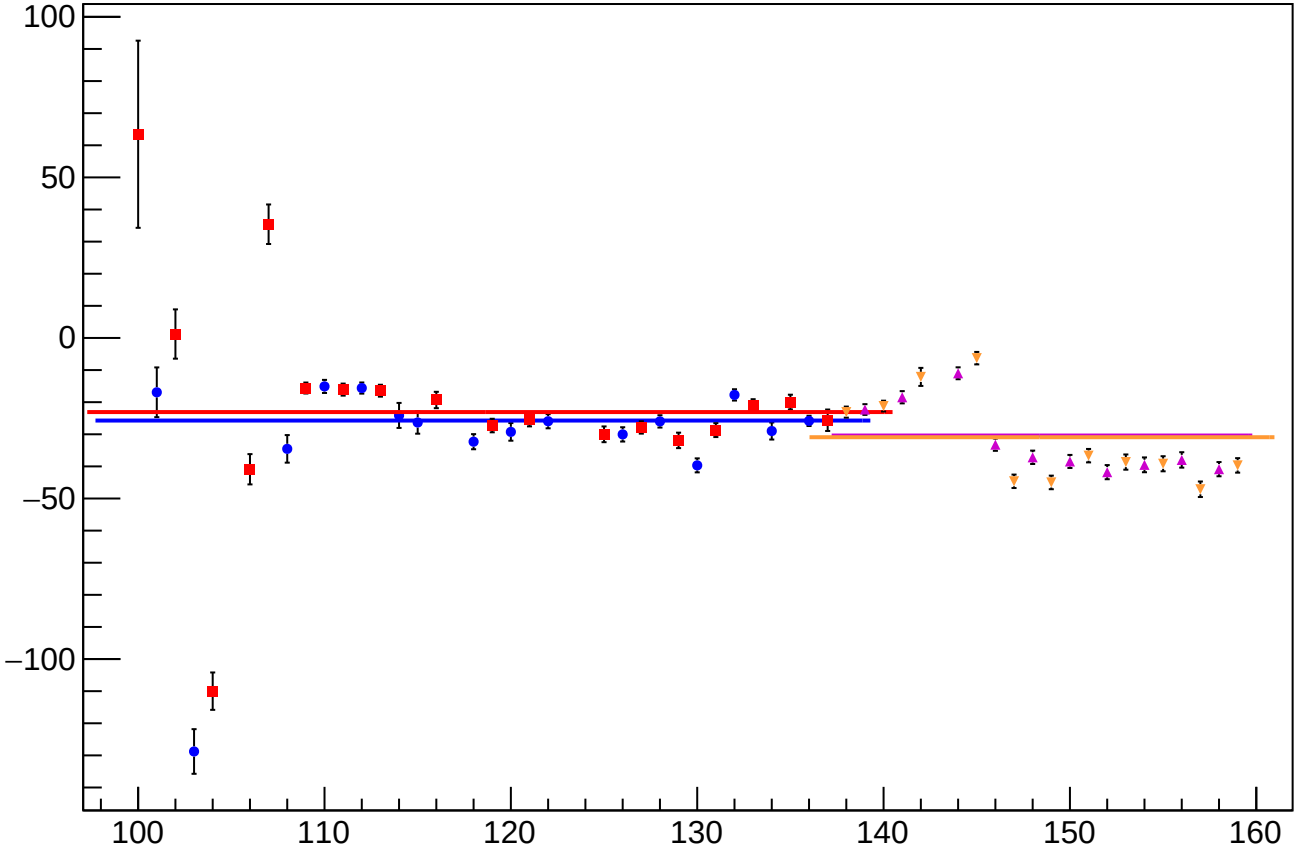
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.739+/-0.032 χ^2/NDF:790258.1/25

Out: -59.957+/-0.033 χ^2/NDF:727488.4/28

All: -59.335+/-0.023 χ^2/NDF: 1518437.8/54

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: -30.915+/-0.634 χ^2/NDF:437.1/10

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -30.388+/-0.641 χ^2/NDF:274.7/9

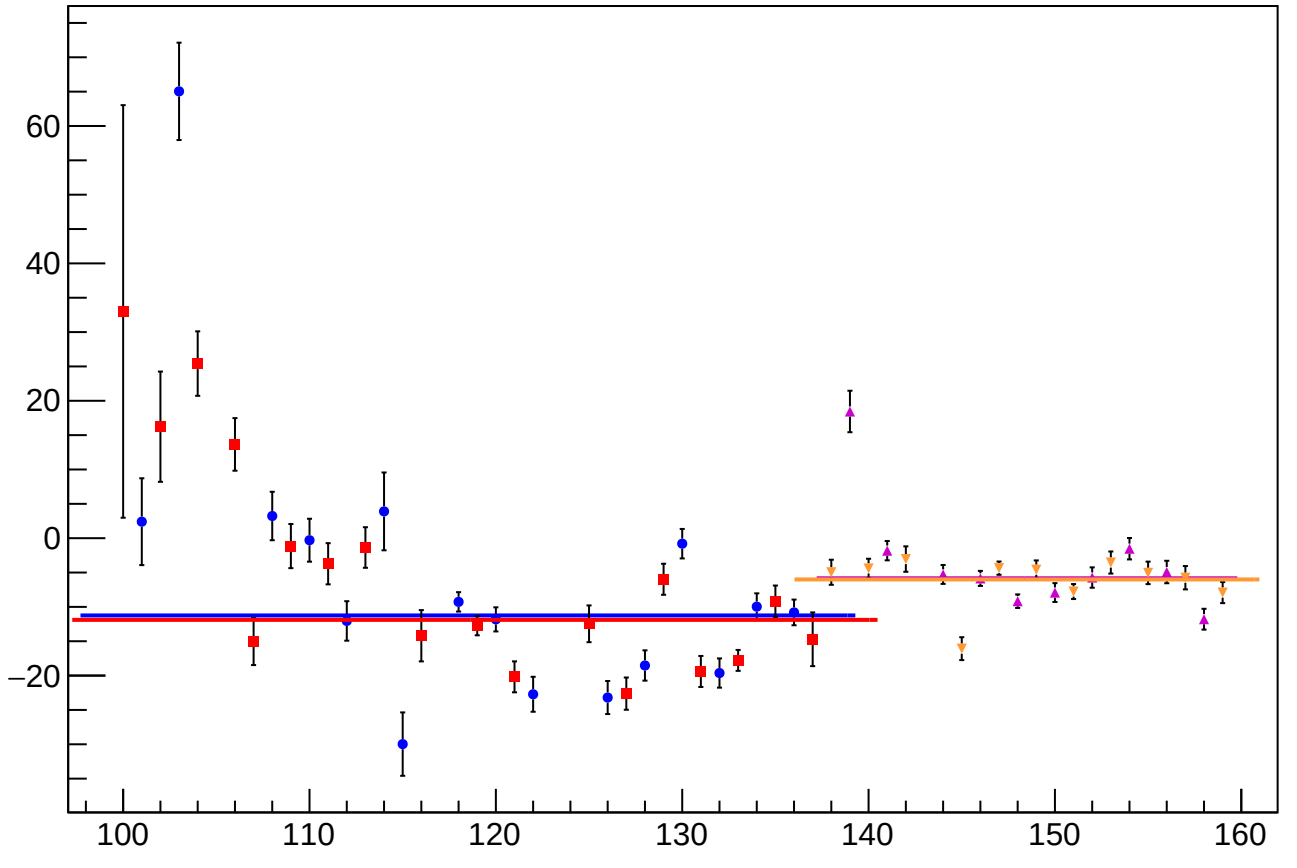
Left: -30.654+/-0.451 χ^2/NDF: 712.1/20

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -27.864+/-0.434 χ^2/NDF:666.4/25

Out: -26.660+/-0.429 χ^2/NDF:957.1/28

All: -27.254+/-0.305 χ^2/NDF: 1627.3/54



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.007+/-0.428 χ^2/NDF:51.7/10

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.835+/-0.438 χ^2/NDF:110.2/9

Left: -5.923+/-0.306 χ^2/NDF: 162.0/20

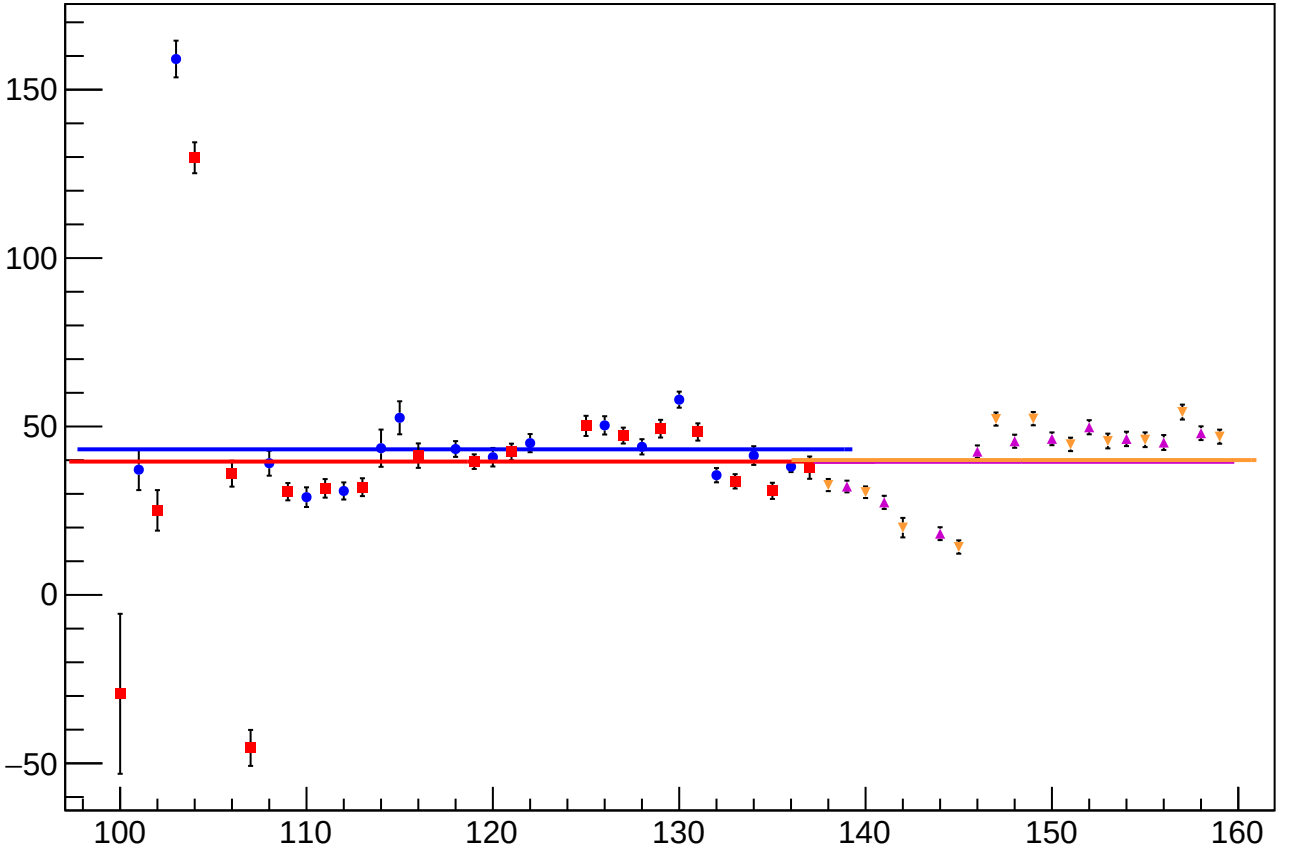
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.715+/-0.354 χ^2/NDF:434.4/25

Out: -7.962+/-0.350 χ^2/NDF:338.9/28

All: -7.840+/-0.249 χ^2/NDF: 773.5/54

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: 40.030+/-0.616 χ^2/NDF:414.6/10

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 39.520+/-0.622 χ^2/NDF:263.2/9

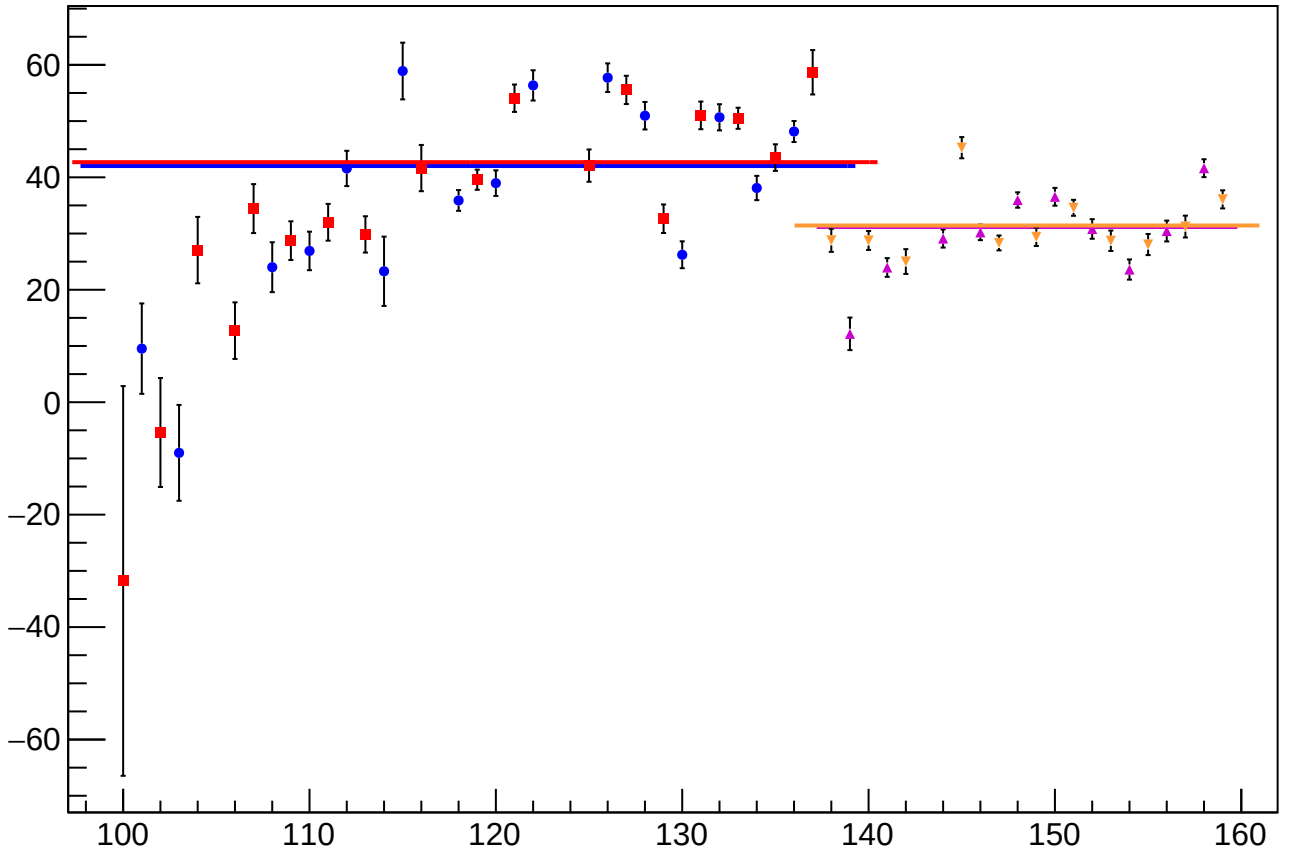
Left: 39.778+/-0.438 χ^2/NDF: 678.2/20

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.211+/-0.458 χ^2/NDF:855.4/25

Out: 39.832+/-0.458 χ^2/NDF:1168.8/28

All: 40.521+/-0.324 χ^2/NDF: 2028.8/54



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 31.431+/-0.515 χ^2/NDF:92.3/10

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 31.169+/-0.524 χ^2/NDF:148.8/9

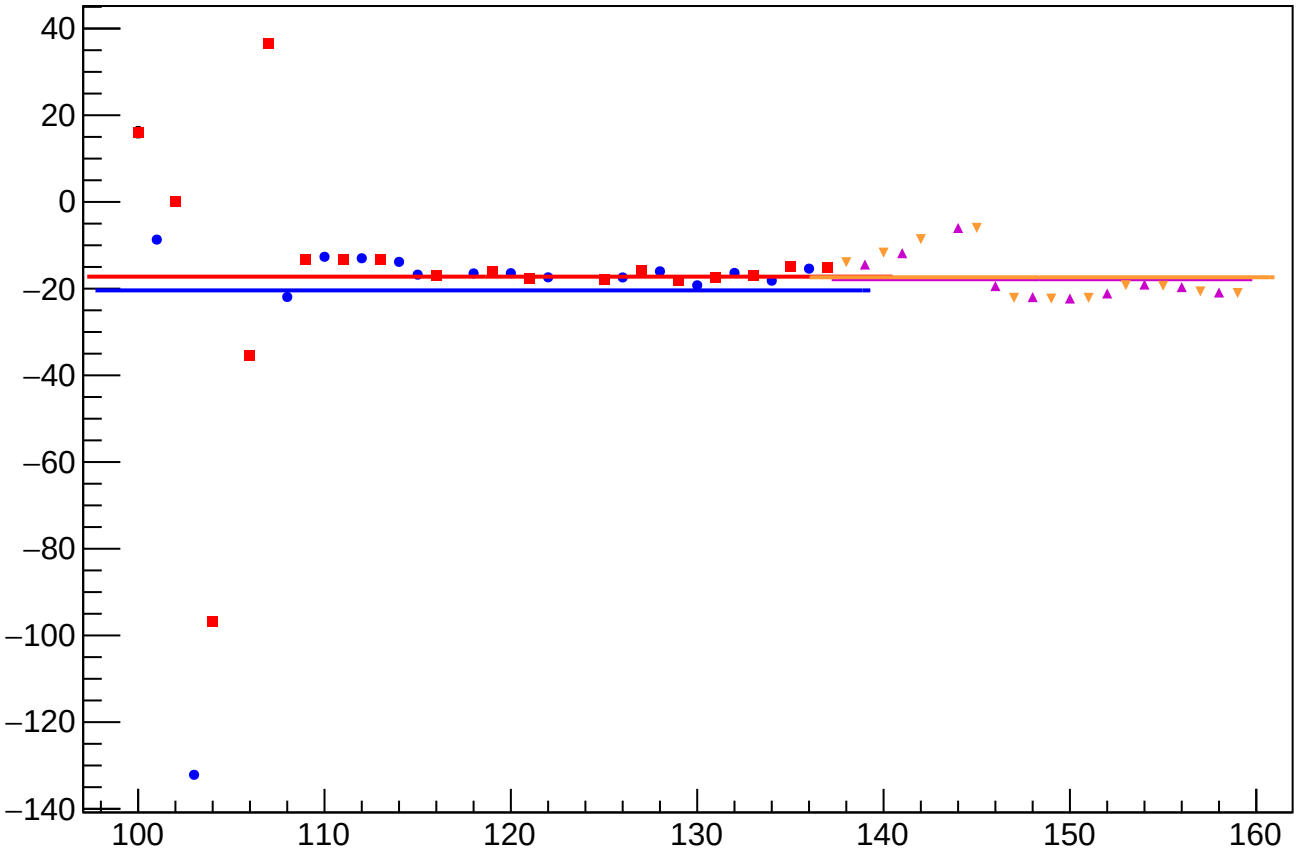
Left: 31.302+/-0.367 χ^2/NDF: 241.3/20

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.179+/-0.416 χ^2/NDF:579.8/25

Out: 35.430+/-0.414 χ^2/NDF:492.2/28

All: 35.305+/-0.293 χ^2/NDF: 1072.2/54



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -17.376+/-0.024 χ^2/NDF:50805.8/10

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -17.828+/-0.024 χ^2/NDF:38974.8/9

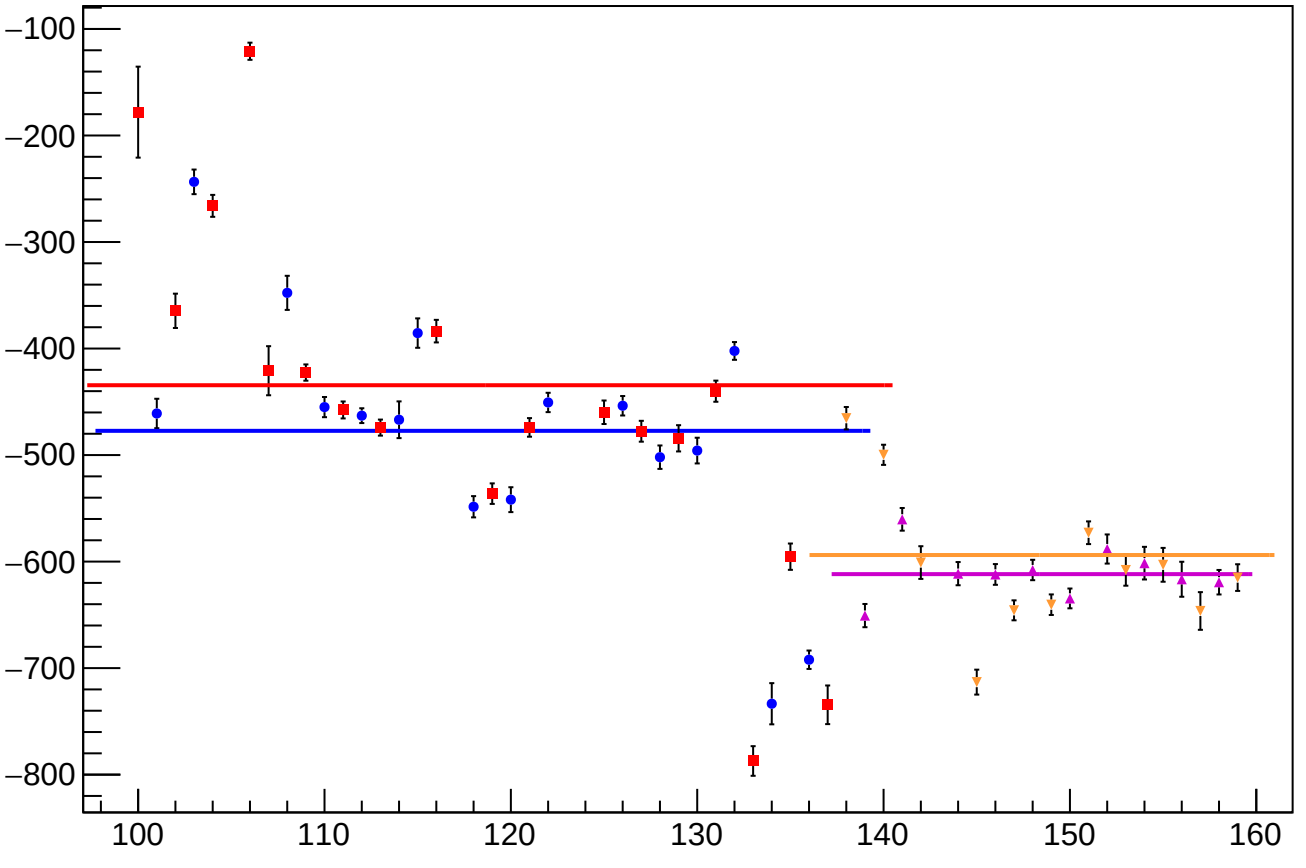
Left: -17.603+/-0.017 χ^2/NDF: 89964.5/20

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.446+/-0.021 χ^2/NDF:287461.9/25

Out: -17.345+/-0.021 χ^2/NDF:255470.8/28

All: -17.903+/-0.015 χ^2/NDF: 544351.6/54



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -593.836+/-3.517 χ^2/NDF:423.0/10

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -611.769+/-3.544 χ^2/NDF:46.3/9

Left: -602.733+/-2.496 χ^2/NDF: 482.2/20

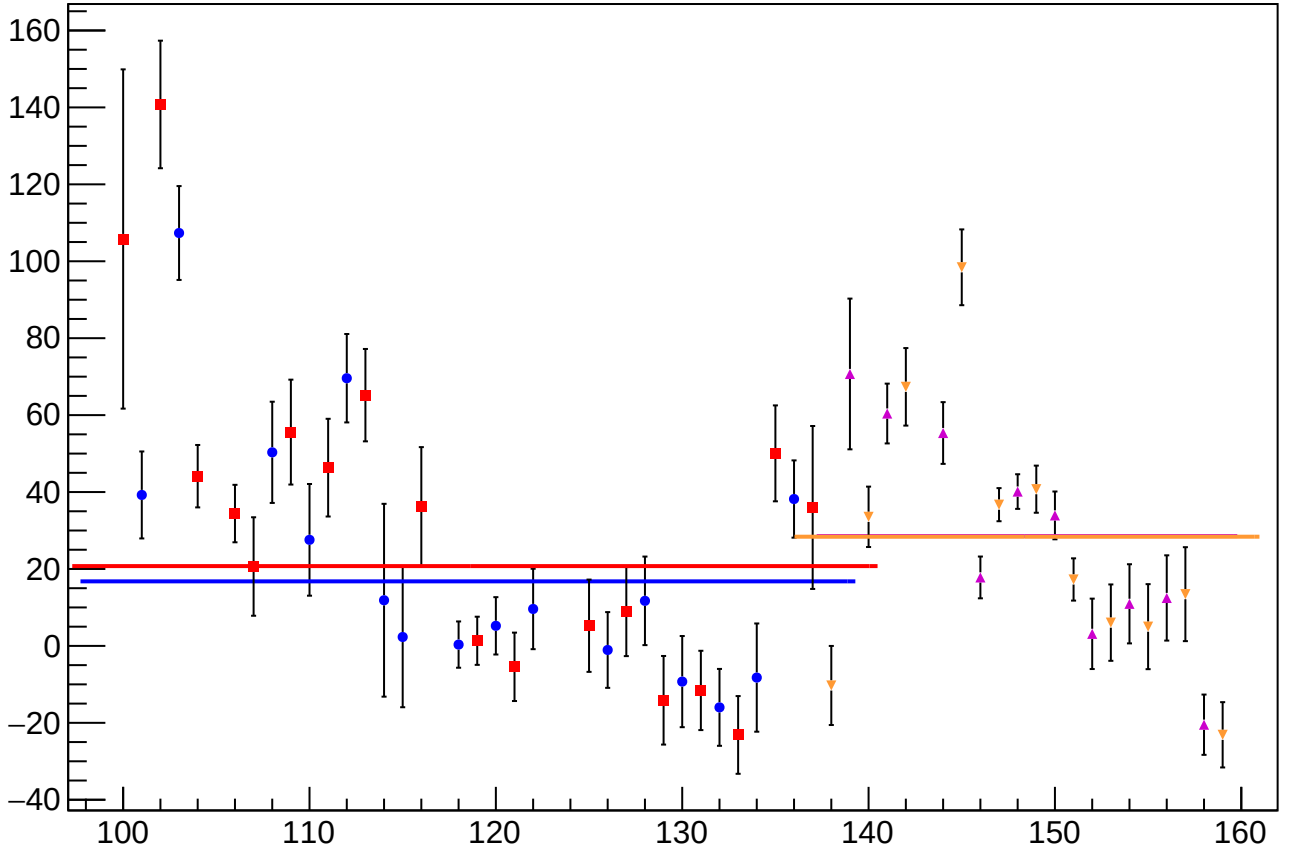
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -525.096+/-2.114 χ^2/NDF:2485.3/25

Out: -486.921+/-2.018 χ^2/NDF:4963.0/28

All: -505.124+/-1.460 χ^2/NDF: 7619.0/54

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: 28.390+/-2.244 χ^2/NDF:139.8/10

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 28.548+/-2.297 χ^2/NDF:95.8/9

Left: 28.467+/-1.605 χ^2/NDF: 235.6/20

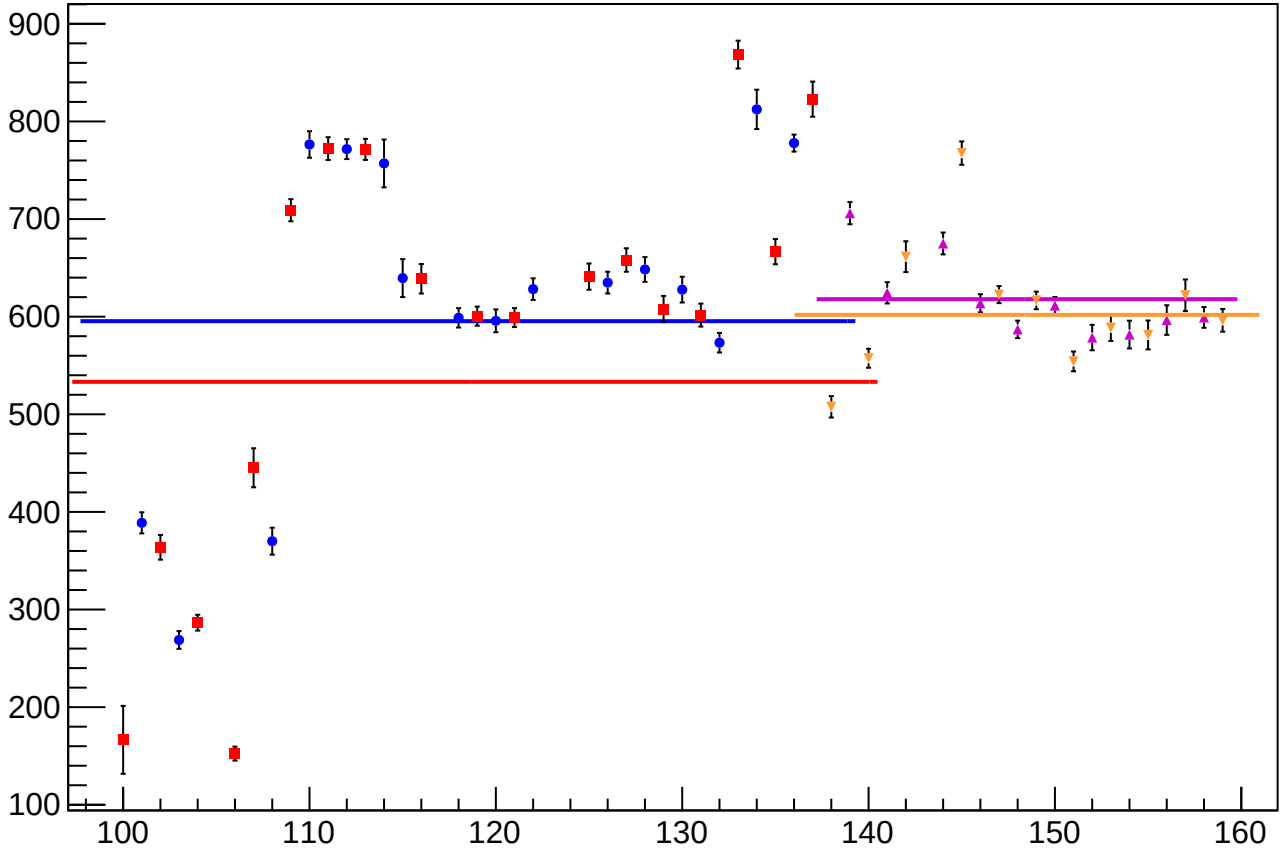
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 23.509+/-1.737 χ^2/NDF:232.0/25

Out: 25.052+/-1.684 χ^2/NDF:302.8/28

All: 24.305+/-1.209 χ^2/NDF: 535.2/54

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: 601.871+/-3.405 χ^2/NDF:335.8/10

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 617.923+/-3.421 χ^2/NDF:119.7/9

Left: 609.860+/-2.413 χ^2/NDF: 466.6/20

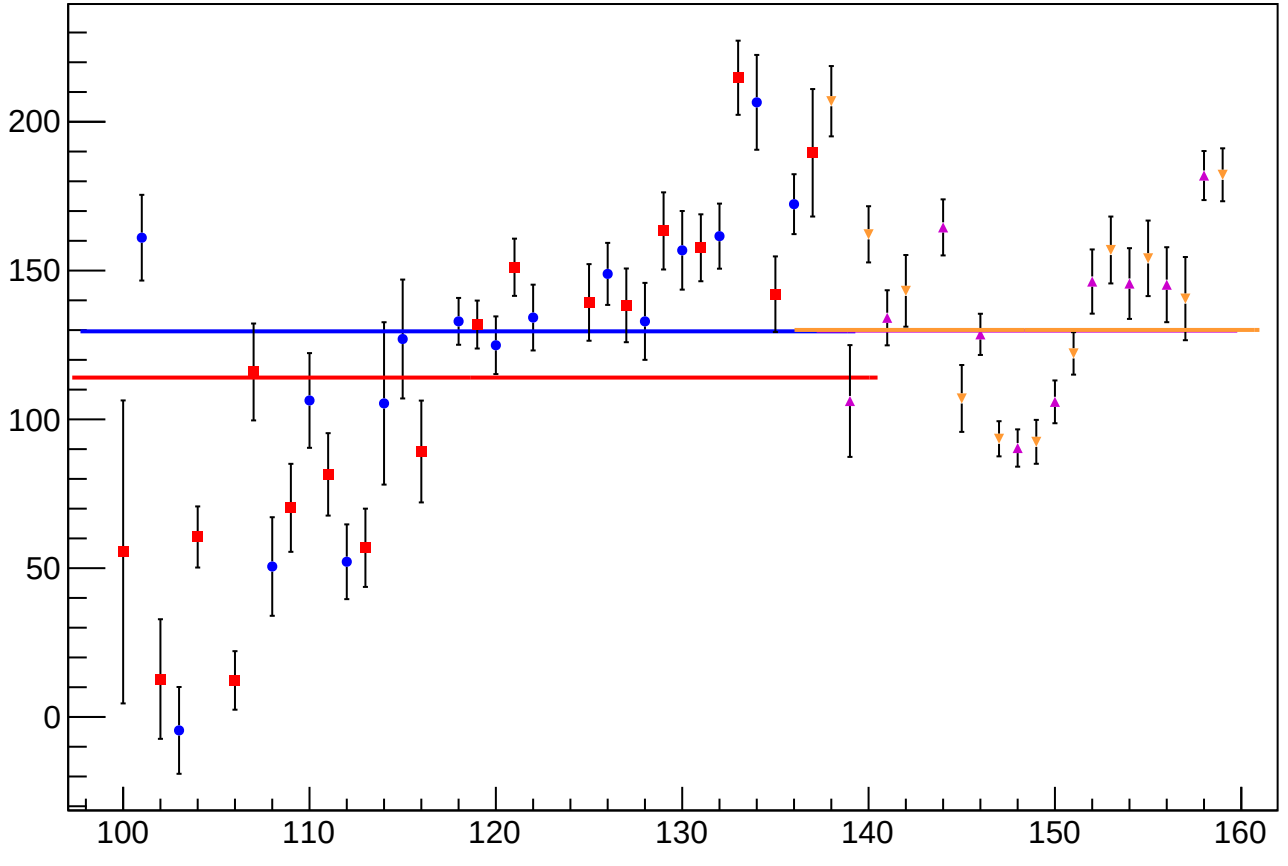
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 604.933+/-2.225 χ^2/NDF:3204.5/25

Out: 560.314+/-2.137 χ^2/NDF:7084.5/28

All: 581.728+/-1.541 χ^2/NDF: 10498.1/54

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: 130.052+/-2.755 χ^2/NDF:169.1/10

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 129.820+/-2.794 χ^2/NDF:111.7/9

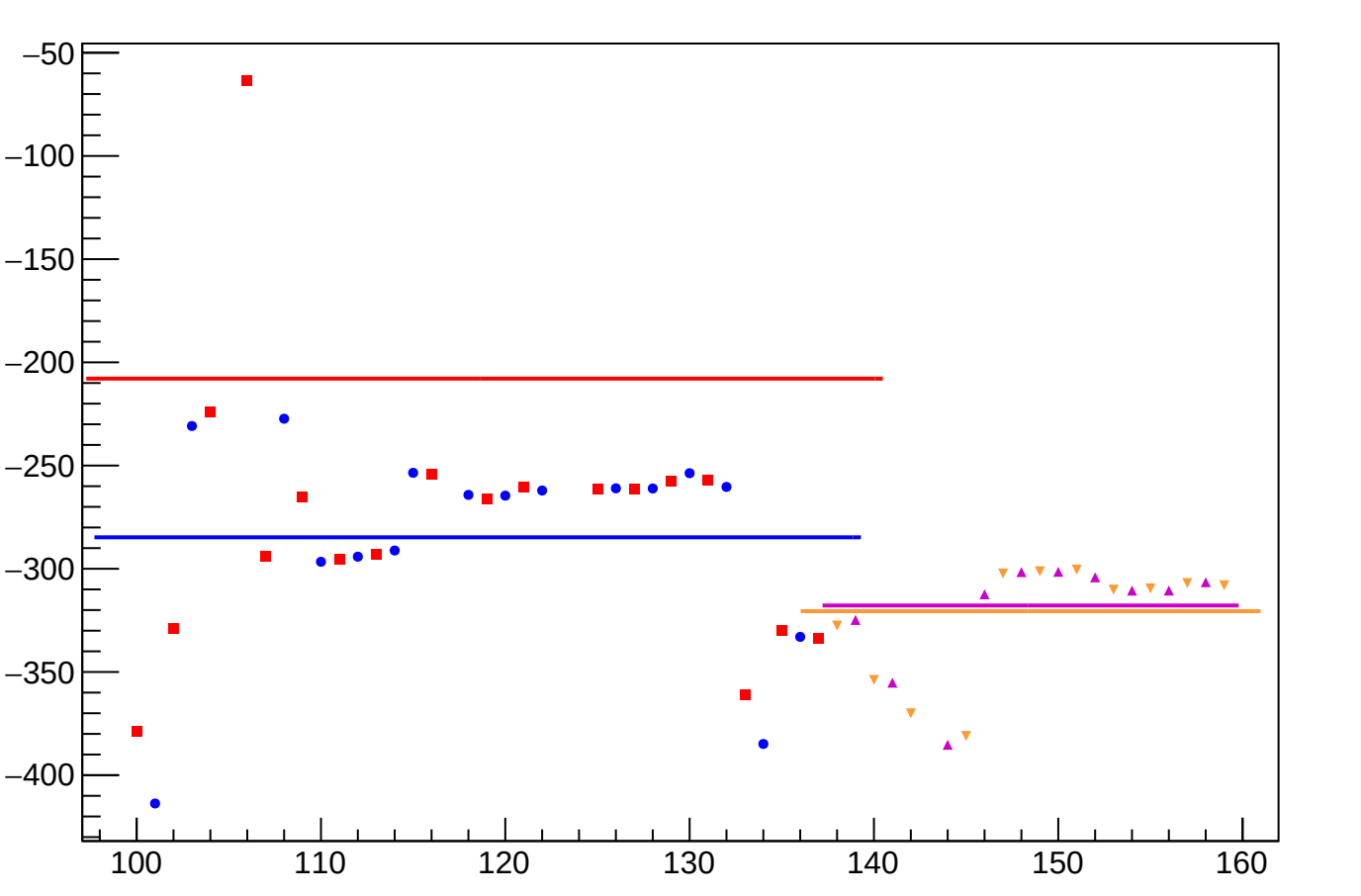
Left: 129.938+/-1.962 χ^2/NDF: 280.7/20

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 129.714+/-2.069 χ^2/NDF:322.9/25

Out: 122.667+/-2.022 χ^2/NDF:520.6/28

All: 126.108+/-1.446 χ^2/NDF: 849.4/54



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -320.557+/-0.134 χ^2/NDF:38108.1/10

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -317.790+/-0.132 χ^2/NDF:31847.8/9

Left: -319.148+/-0.094 χ^2/NDF: 70171.6/20

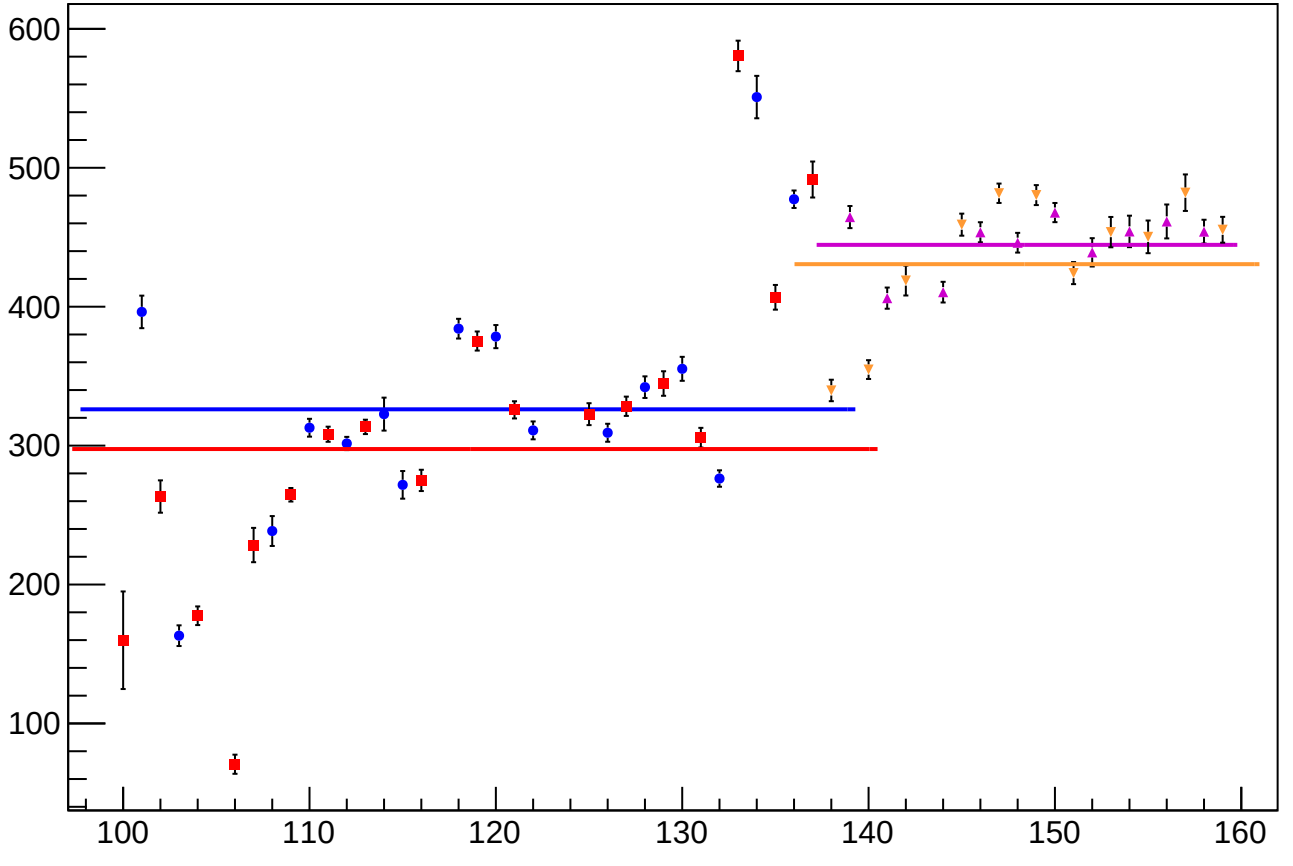
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.035+/-0.106 χ^2/NDF:158500.7/25

Out: -269.949+/-0.100 χ^2/NDF:890546.2/28

All: -286.909+/-0.073 χ^2/NDF: 1110557.5/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 430.618+/-2.566 χ^2/NDF:410.0/10

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 444.517+/-2.592 χ^2/NDF:69.7/9

Left: 437.497+/-1.824 χ^2/NDF: 494.1/20

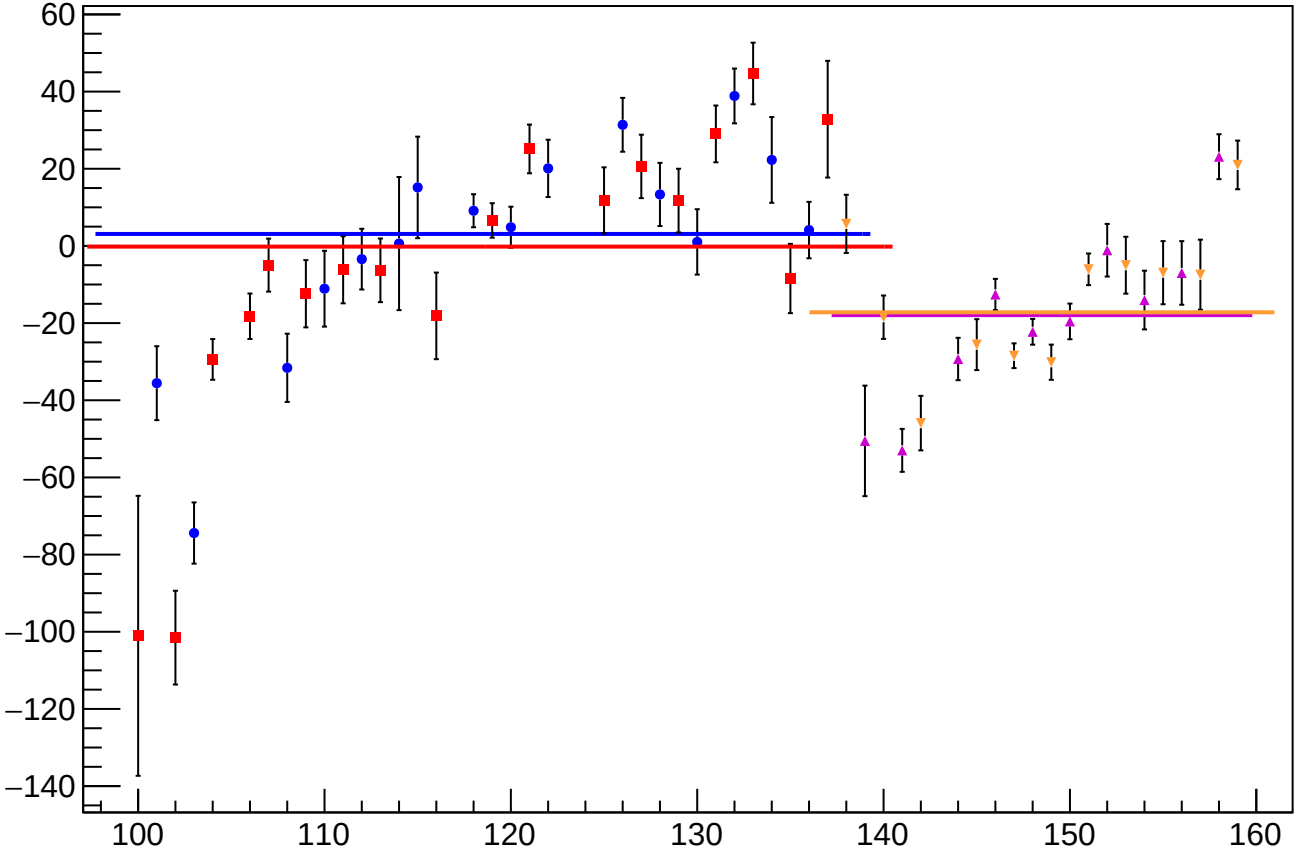
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 366.275+/-1.509 χ^2/NDF:3091.0/25

Out: 339.276+/-1.437 χ^2/NDF:5031.4/28

All: 352.113+/-1.041 χ^2/NDF: 8290.3/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -17.206+/-1.649 χ^2/NDF:97.4/10

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -17.939+/-1.688 χ^2/NDF:110.5/9

Left: -17.563+/-1.180 χ^2/NDF: 208.0/20

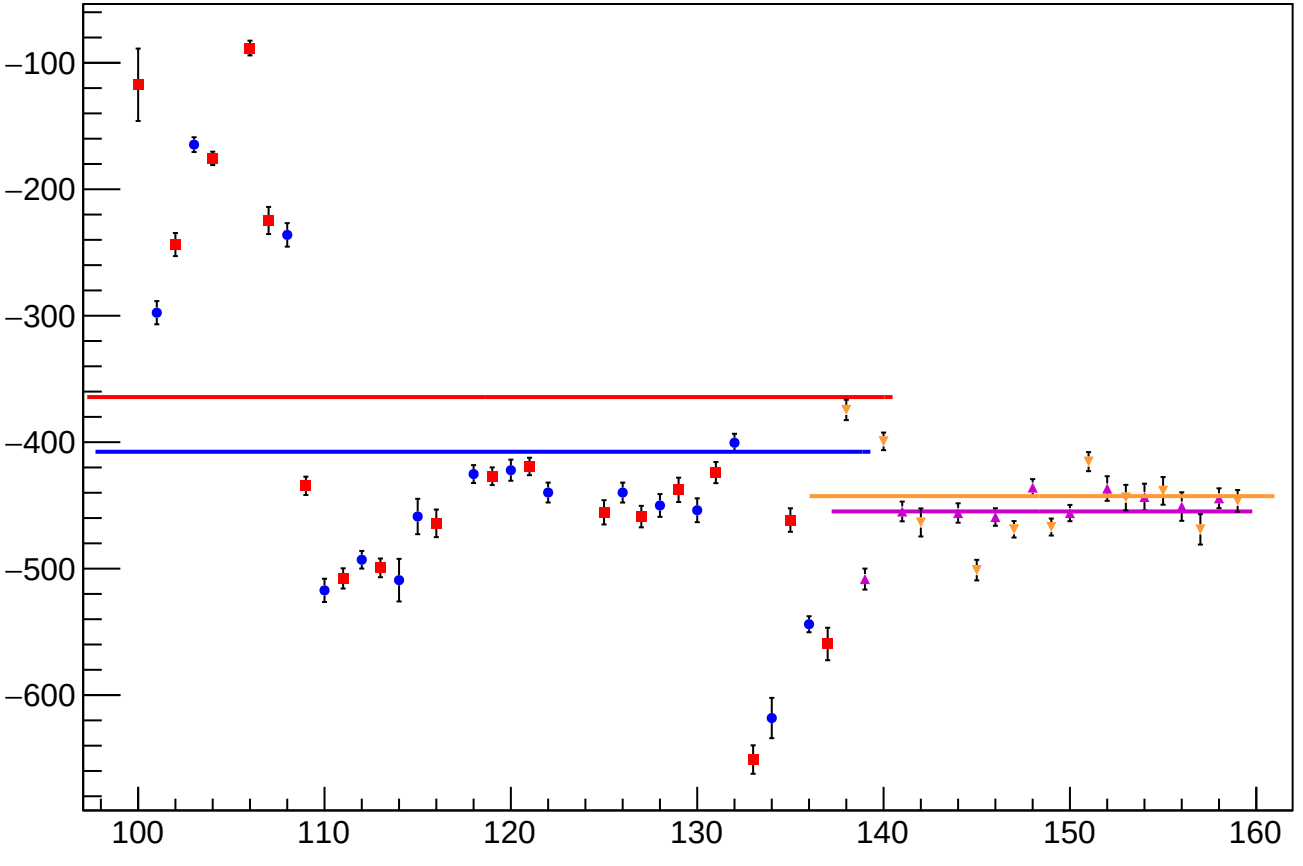
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -8.612+/-1.260 χ^2/NDF:363.9/25

Out: -9.397+/-1.213 χ^2/NDF:351.5/28

All: -9.020+/-0.874 χ^2/NDF: 715.6/54

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: -442.667+/-2.490 χ^2/NDF:213.3/10

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.771+/-2.507 χ^2/NDF:56.7/9

Left: -448.679+/-1.767 χ^2/NDF: 281.7/20

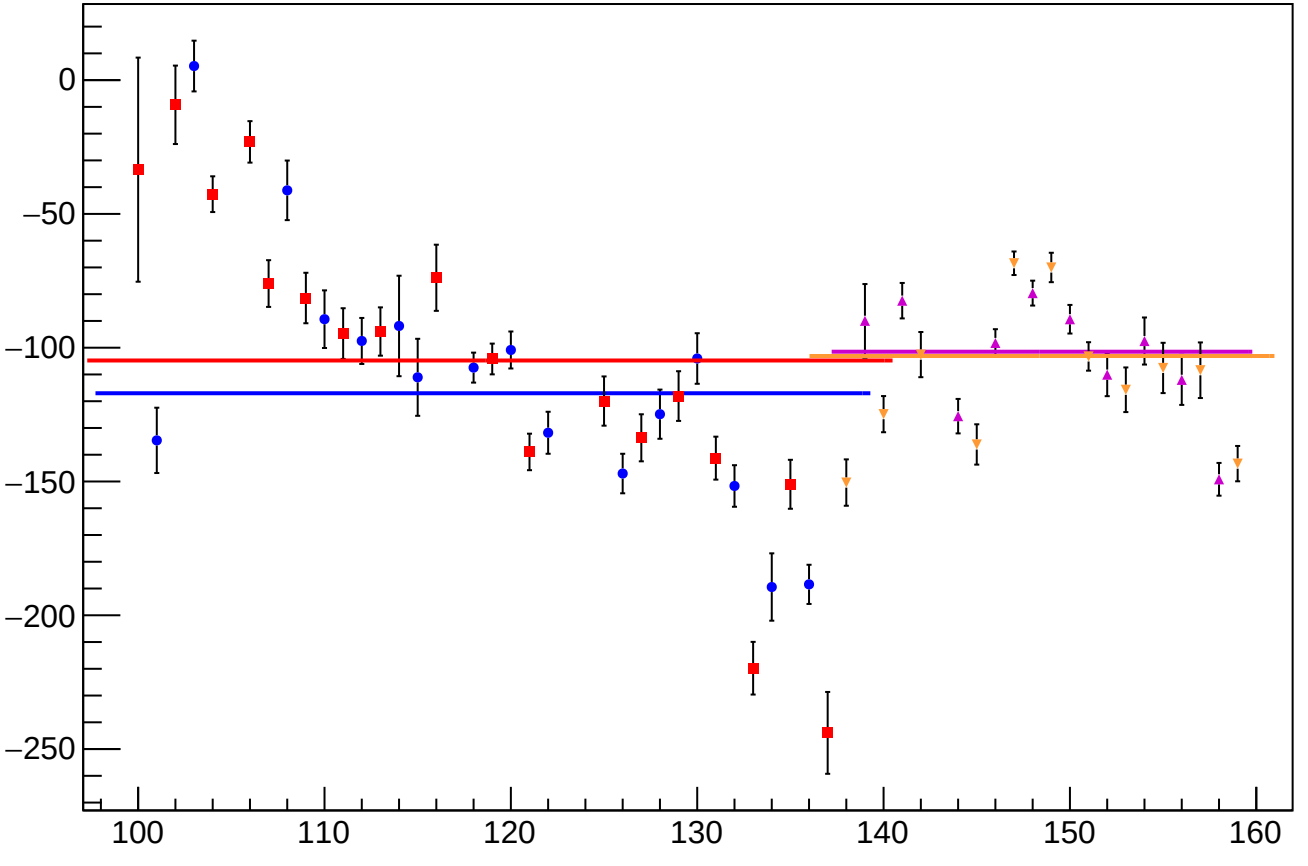
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -426.750+/-1.598 χ^2/NDF:3547.7/25

Out: -393.954+/-1.532 χ^2/NDF:7049.0/28

All: -409.658+/-1.106 χ^2/NDF: 10816.2/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -103.103+/-2.021 χ^2/NDF:197.6/10

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.497+/-2.052 χ^2/NDF:114.0/9

Left: -102.312+/-1.440 χ^2/NDF: 312.0/20

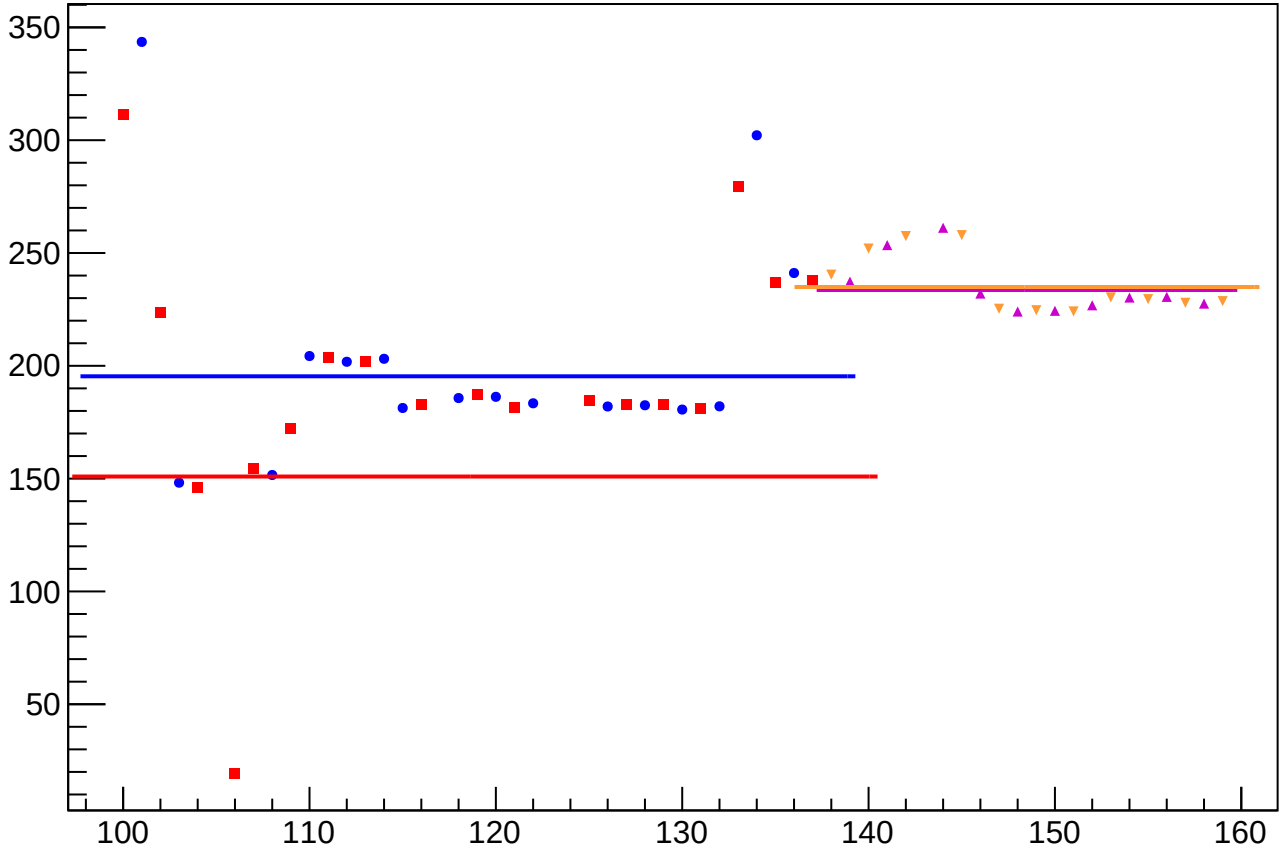
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -108.738+/-1.499 χ^2/NDF:548.5/25

Out: -103.913+/-1.453 χ^2/NDF:773.1/28

All: -106.251+/-1.043 χ^2/NDF: 1326.9/54

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: 234.927+/-0.098 χ^2/NDF:15711.3/10

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 233.610+/-0.097 χ^2/NDF:14022.9/9

Left: 234.259+/-0.069 χ^2/NDF: 29825.1/20

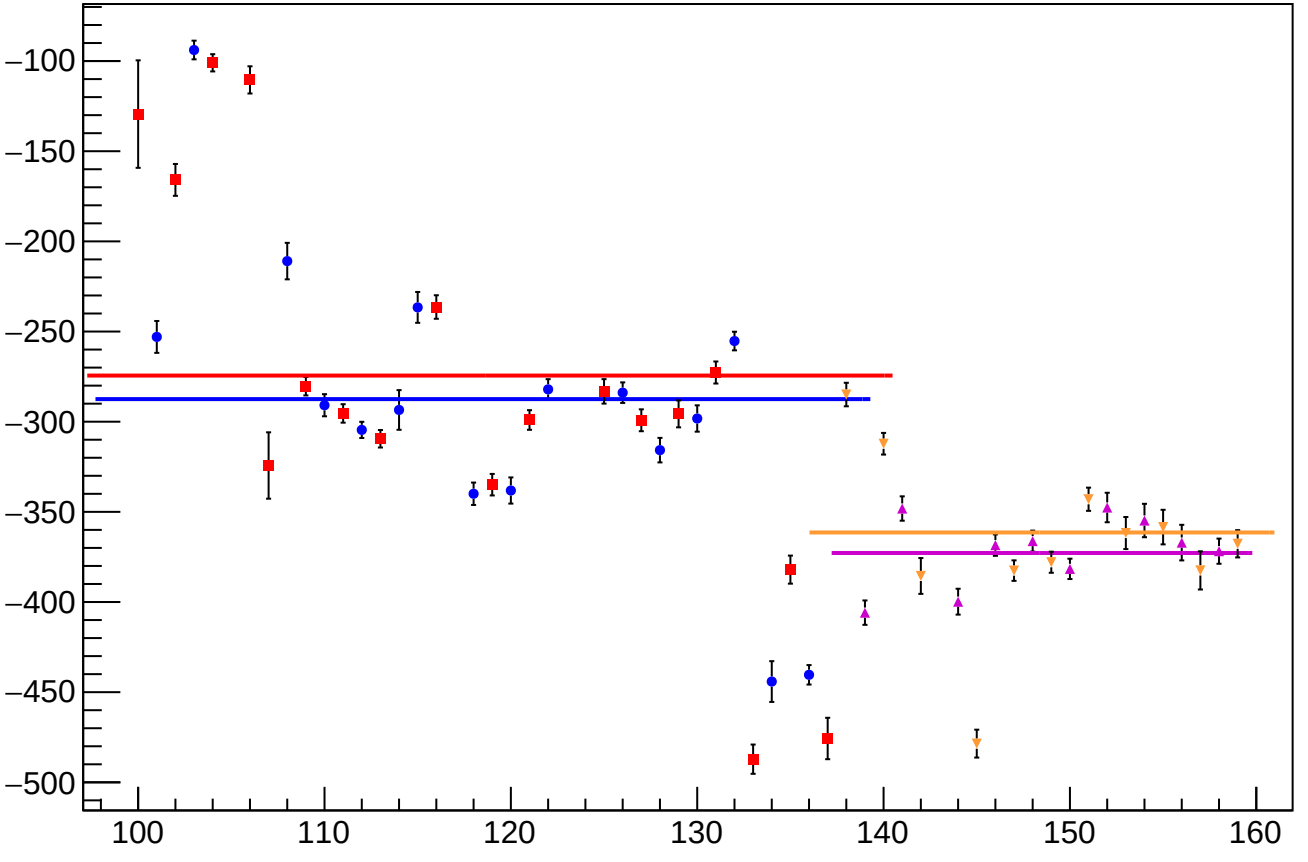
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.186+/-0.077 χ^2/NDF:249708.5/25

Out: 197.643+/-0.073 χ^2/NDF:838209.9/28

All: 207.966+/-0.053 χ^2/NDF: 1129196.9/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -361.438+/-2.170 χ^2/NDF:474.4/10

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.808+/-2.182 χ^2/NDF:69.3/9

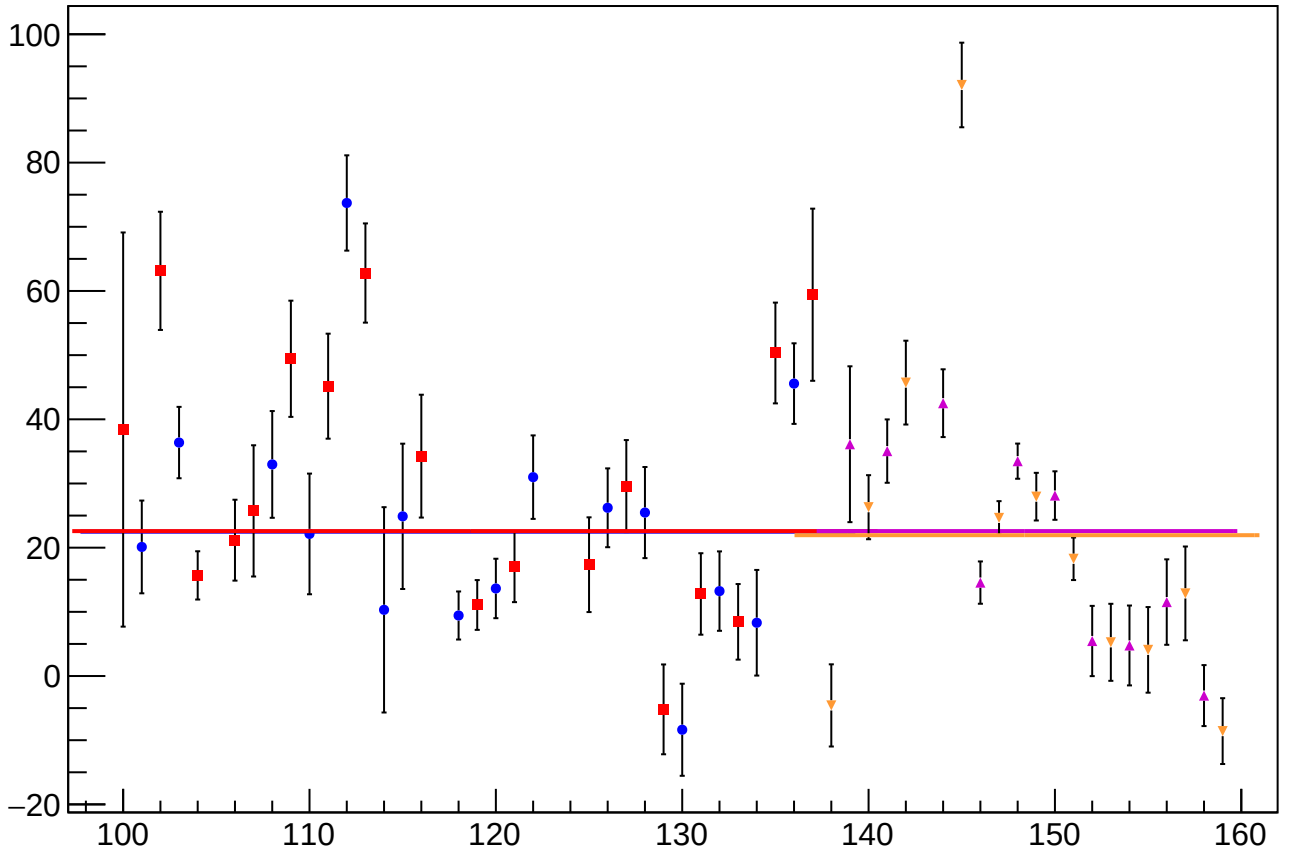
Left: -367.091+/-1.539 χ^2/NDF: 557.4/20

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -317.581+/-1.296 χ^2/NDF:3755.4/25

Out: -303.847+/-1.262 χ^2/NDF:4951.9/28

All: -310.531+/-0.904 χ^2/NDF: 8764.9/54



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 21.944+/-1.376 χ^2/NDF:201.2/10

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 22.584+/-1.407 χ^2/NDF:95.6/9

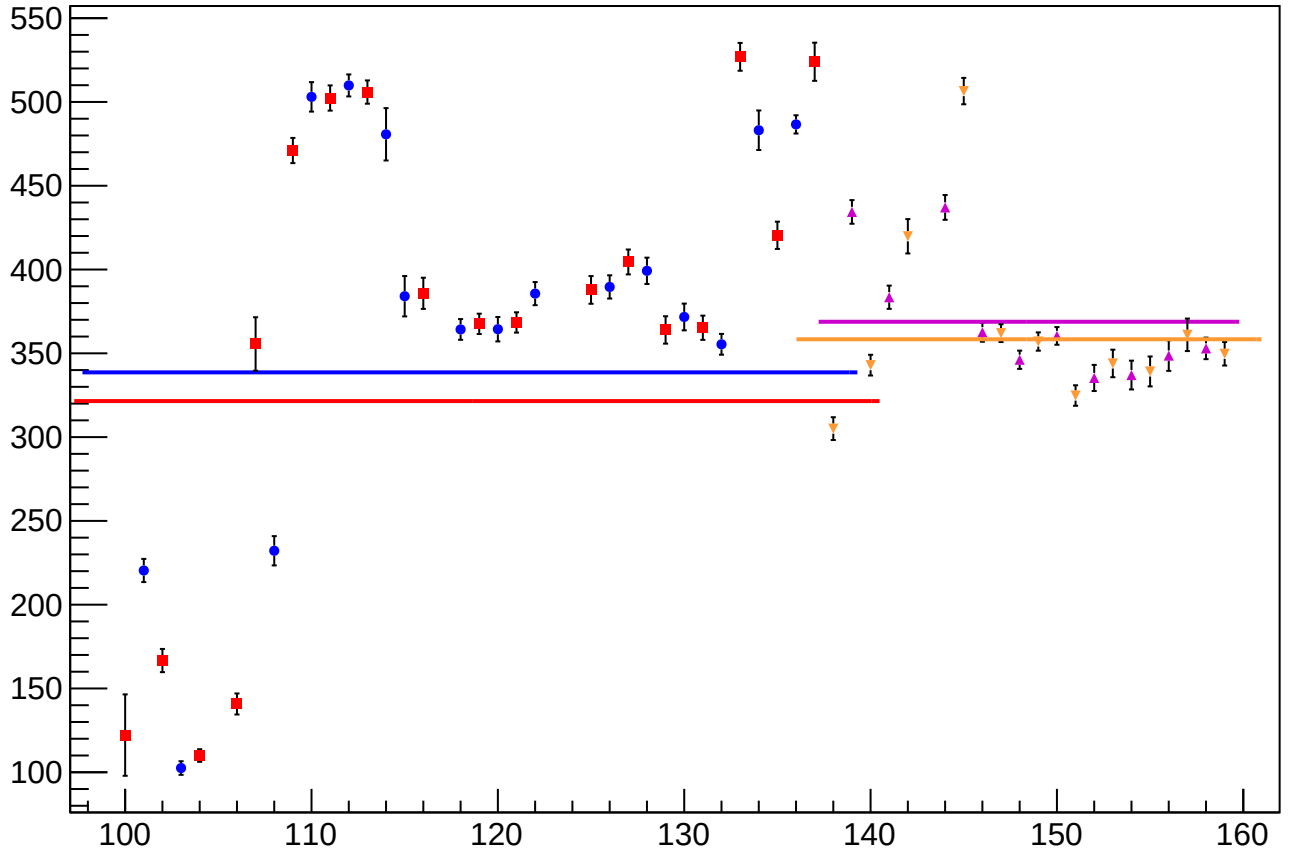
Left: 22.257+/-0.984 χ^2/NDF: 296.9/20

Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 22.545+/-1.063 χ^2/NDF:207.0/25

Out: 22.220+/-1.035 χ^2/NDF:324.7/28

All: 22.378+/-0.741 χ^2/NDF: 531.7/54



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 358.382+/-2.096 χ^2/NDF:497.2/10

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 368.833+/-2.102 χ^2/NDF:240.5/9

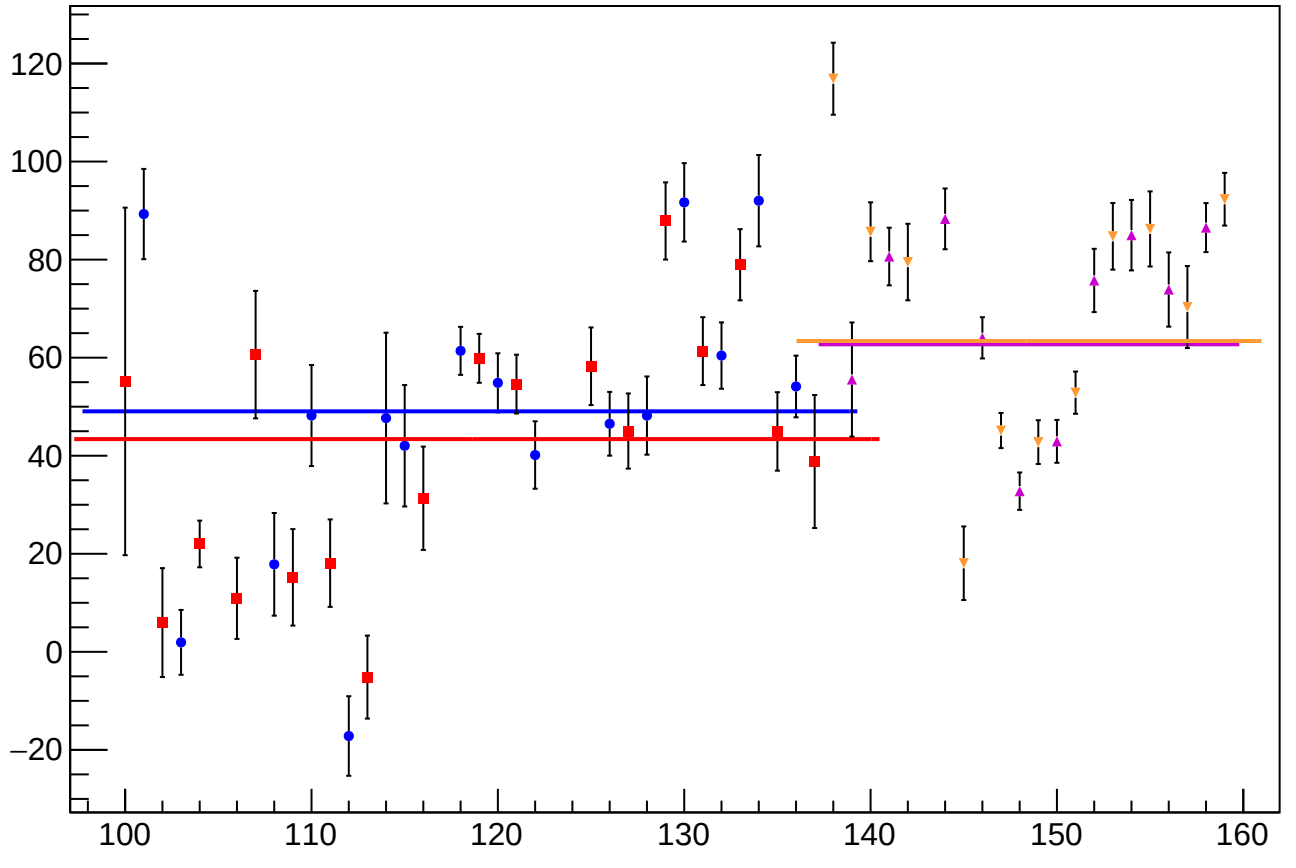
Left: 363.592+/-1.484 χ^2/NDF: 750.0/20

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.980+/-1.344 χ^2/NDF:6405.1/25

Out: 336.076+/-1.318 χ^2/NDF:8405.3/28

All: 343.379+/-0.941 χ^2/NDF: 14873.1/54



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 63.399+/-1.691 χ^2/NDF:209.2/10

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 62.731+/-1.713 χ^2/NDF:147.5/9

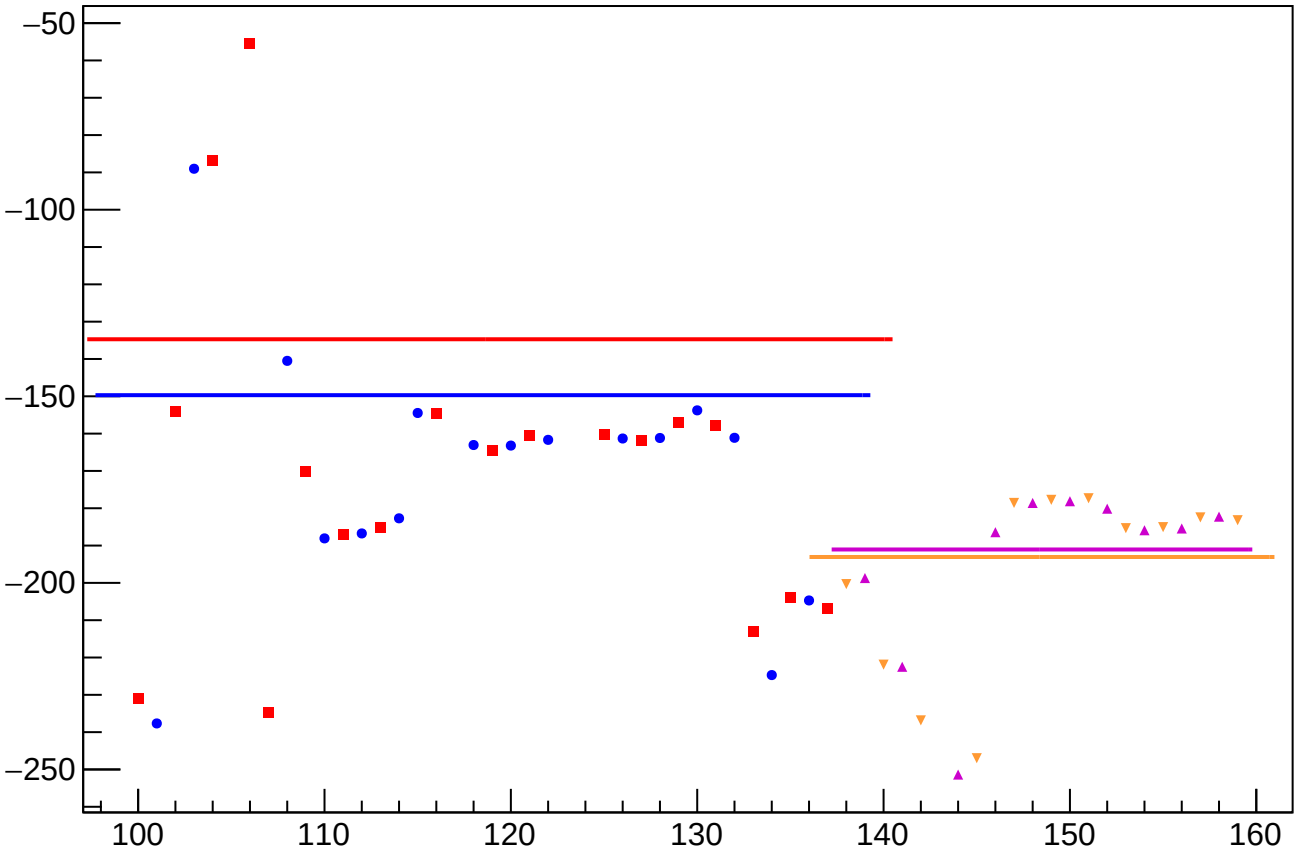
Left: 63.069+/-1.203 χ^2/NDF: 356.7/20

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 56.536+/-1.267 χ^2/NDF:384.3/25

Out: 54.207+/-1.243 χ^2/NDF:453.5/28

All: 55.349+/-0.887 χ^2/NDF: 839.5/54



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -193.064+/-0.083 χ^2/NDF:68997.2/10

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -191.049+/-0.081 χ^2/NDF:57224.9/9

Left: -192.037+/-0.058 χ^2/NDF: 126526.0/20

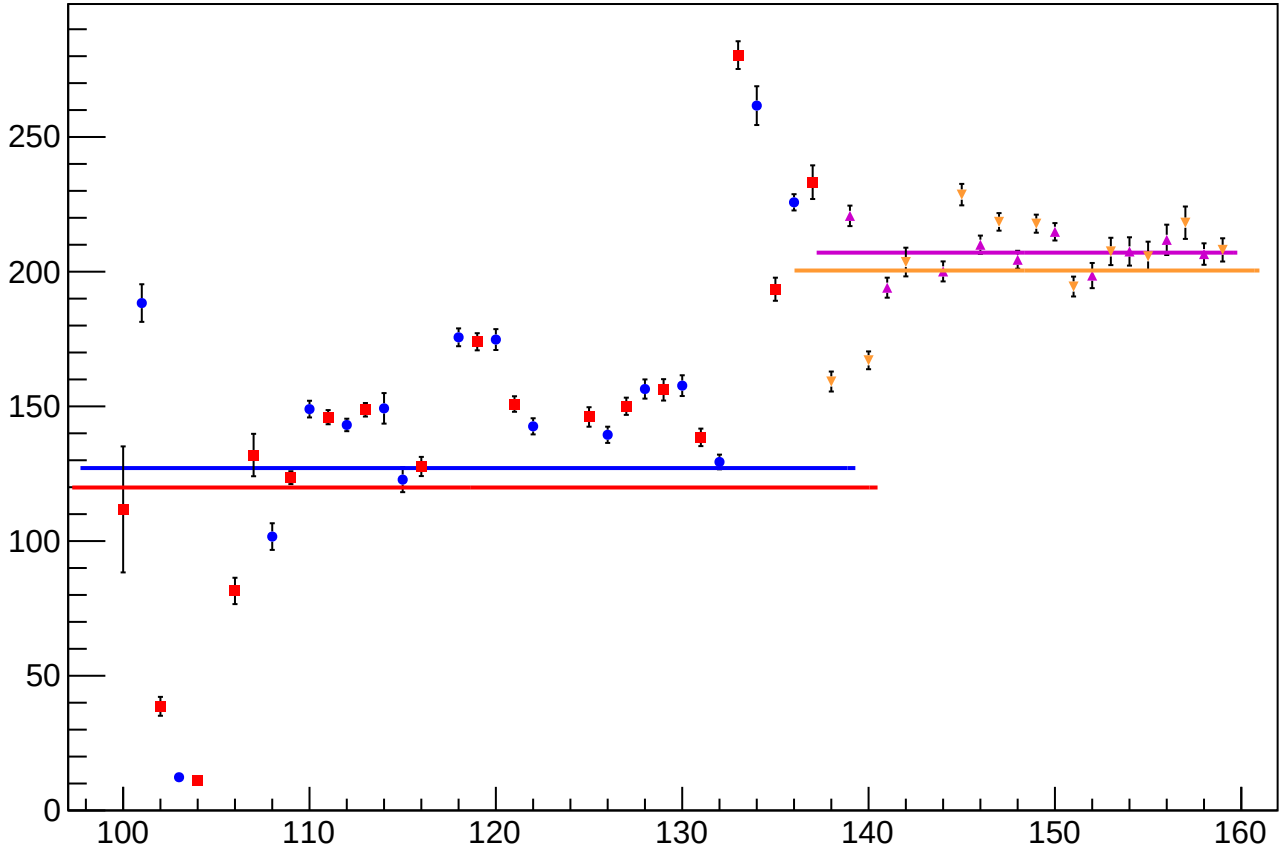
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -174.856+/-0.063 χ^2/NDF:416040.7/25

Out: -168.568+/-0.063 χ^2/NDF:591590.0/28

All: -171.699+/-0.045 χ^2/NDF: 1012616.5/54

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: 200.432+/-1.218 χ^2/NDF:350.8/10

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.066+/-1.228 χ^2/NDF:39.8/9

Left: 203.724+/-0.865 χ^2/NDF: 405.3/20

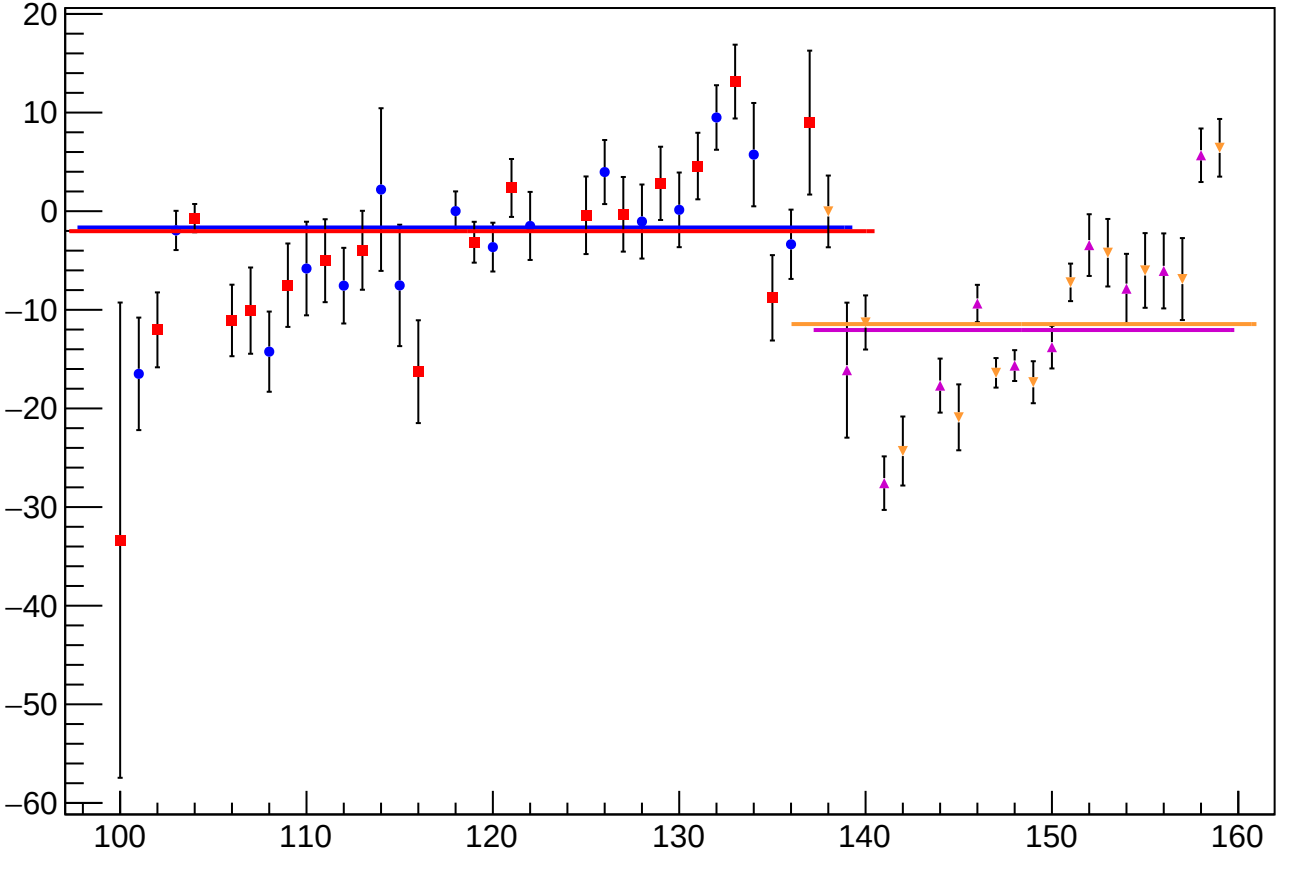
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 151.390+/-0.677 χ^2/NDF:9157.5/25

Out: 143.052+/-0.653 χ^2/NDF:10113.3/28

All: 147.076+/-0.470 χ^2/NDF: 19349.4/54

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -11.446+/-0.778 χ^2/NDF:100.0/10

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -12.049+/-0.796 χ^2/NDF:99.4/9

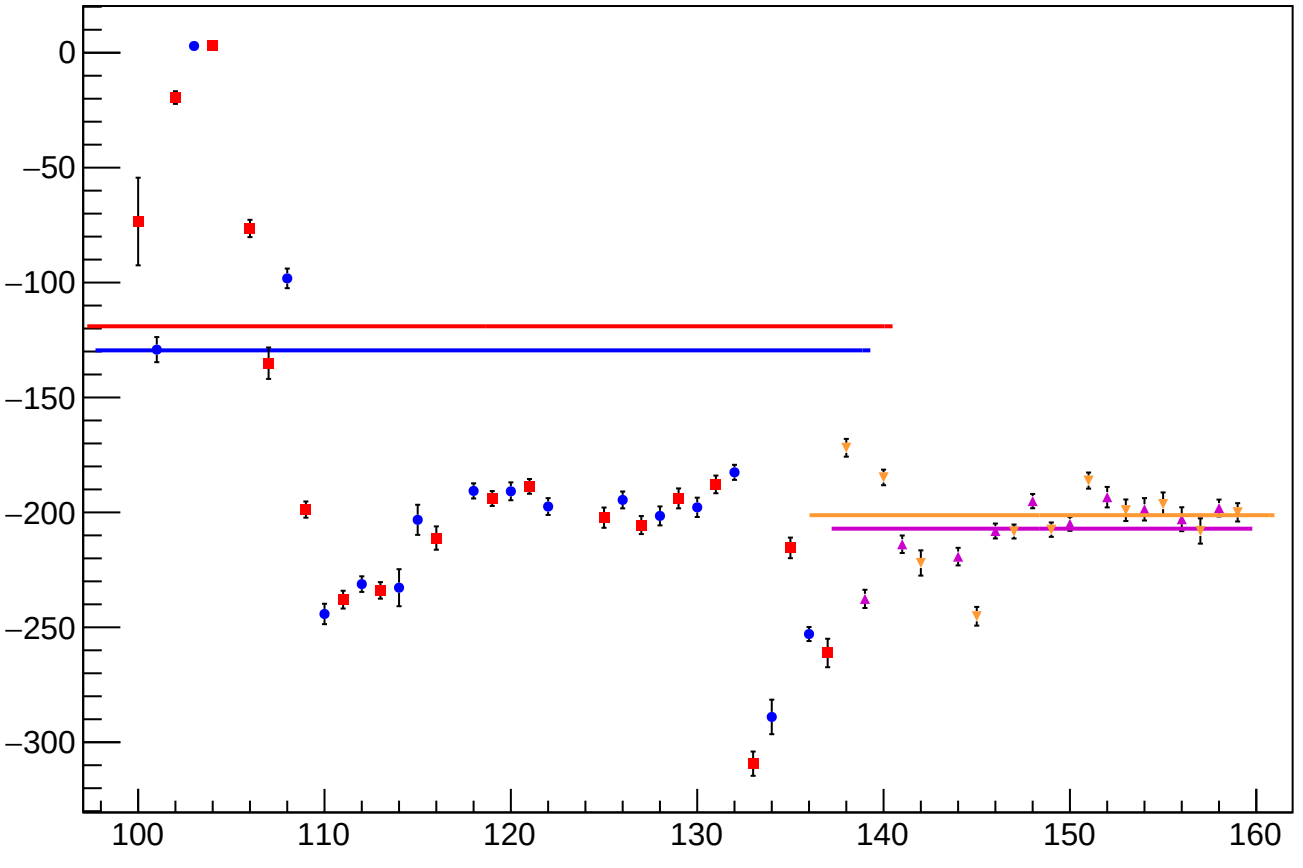
Left: -11.741+/-0.556 χ^2/NDF: 199.7/20

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.086+/-0.575 χ^2/NDF:219.9/25

Out: -6.690+/-0.547 χ^2/NDF:232.6/28

All: -6.878+/-0.397 χ^2/NDF: 452.8/54



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.215+/-1.179 χ^2/NDF:242.6/10

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -207.087+/-1.185 χ^2/NDF:107.1/9

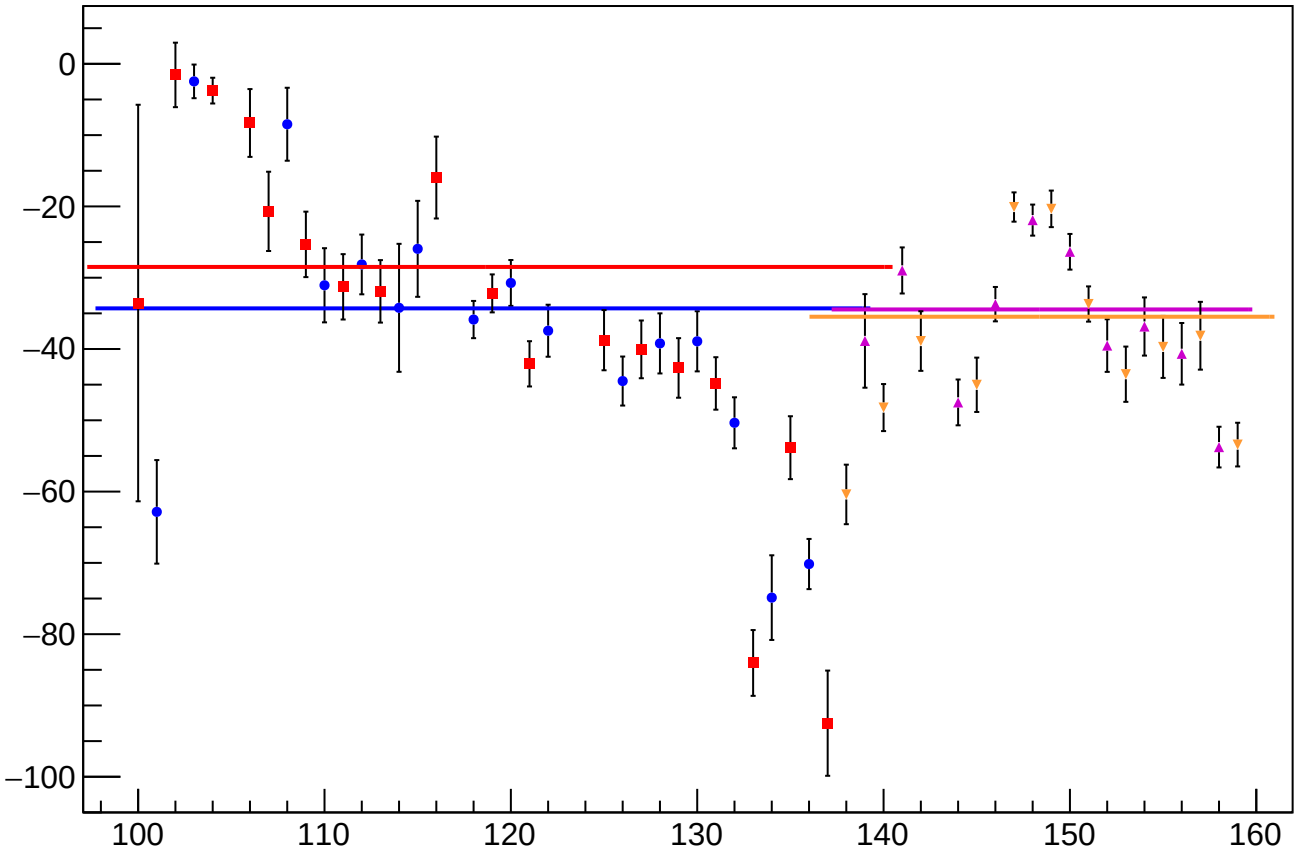
Left: -204.138+/-0.836 χ^2/NDF: 362.1/20

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -155.714+/-0.689 χ^2/NDF:17634.5/25

Out: -145.487+/-0.669 χ^2/NDF:19712.6/28

All: -150.454+/-0.480 χ^2/NDF: 37460.4/54



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -35.472+/-0.954 χ^2/NDF:188.8/10

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -34.450+/-0.968 χ^2/NDF:113.5/9

Left: -34.969+/-0.679 χ^2/NDF: 302.9/20

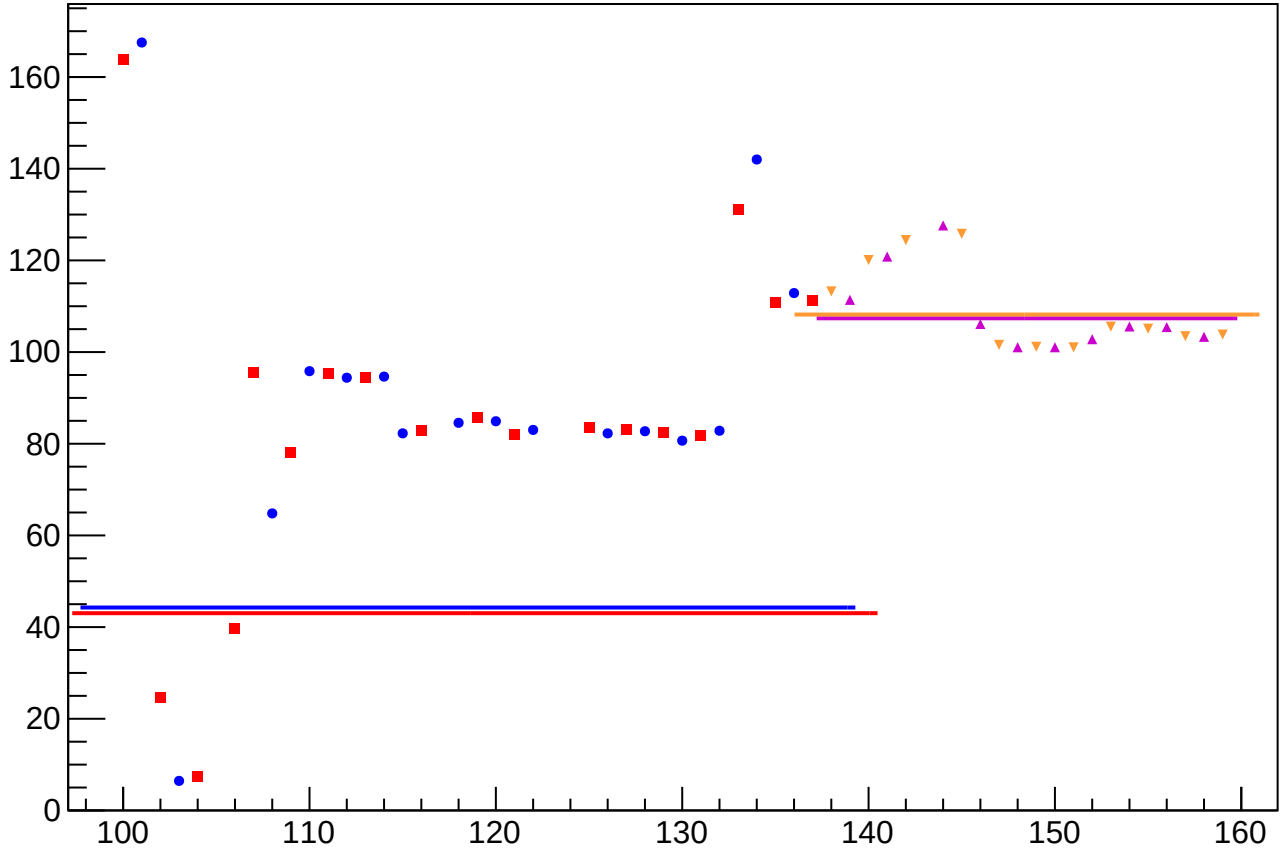
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.375+/-0.684 χ^2/NDF:524.8/25

Out: -31.803+/-0.657 χ^2/NDF:785.0/28

All: -33.038+/-0.474 χ^2/NDF: 1317.2/54

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: 108.188+/-0.046 χ^2/NDF:34488.8/10

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.368+/-0.046 χ^2/NDF:29516.6/9

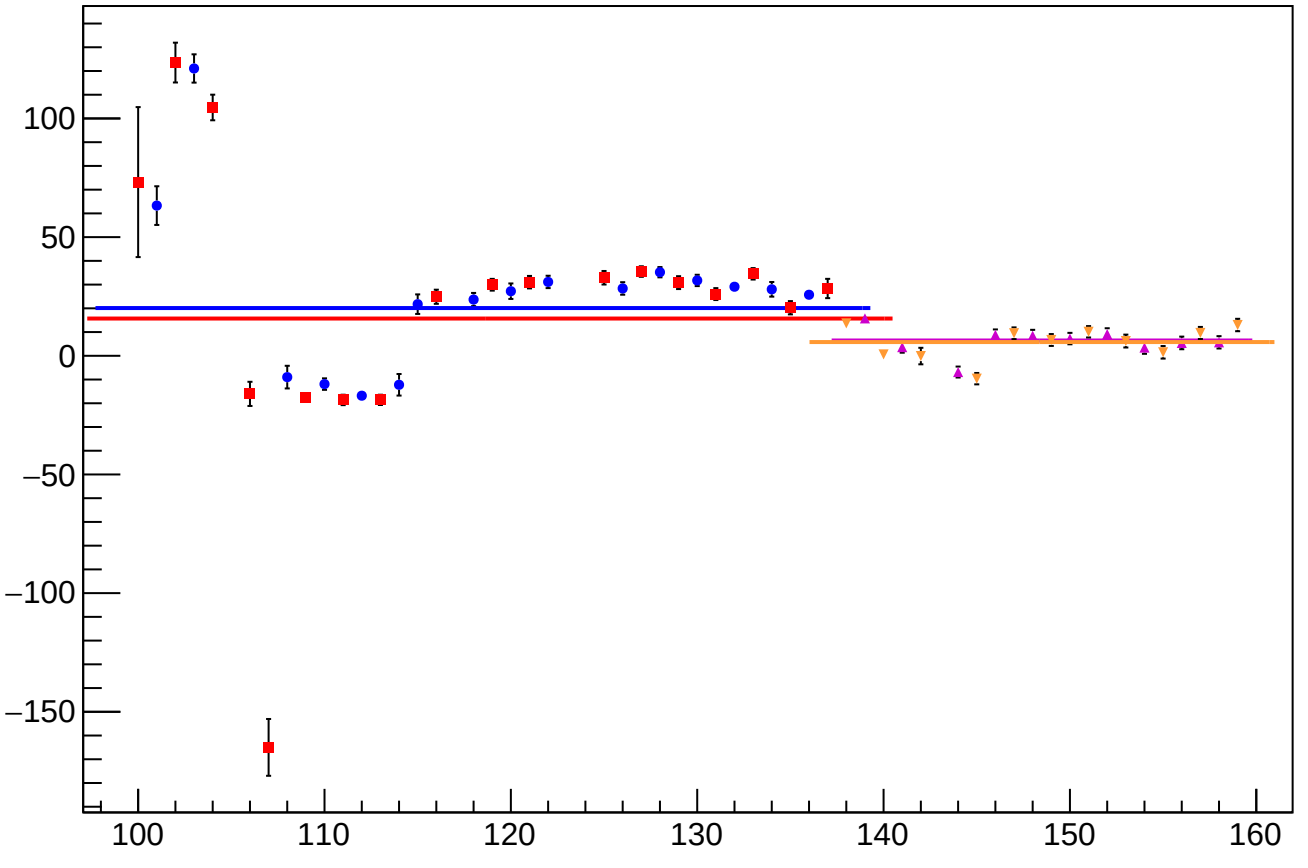
Left: 107.771+/-0.033 χ^2/NDF: 64163.4/20

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 75.297+/-0.032 χ^2/NDF:2083720.4/25

Out: 74.586+/-0.032 χ^2/NDF:1853125.5/28

All: 74.945+/-0.023 χ^2/NDF: 3937089.6/54



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.790+/-0.746 χ^2/NDF:82.9/10

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.448+/-0.757 χ^2/NDF:60.8/9

Left: 6.114+/-0.531 χ^2/NDF: 144.1/20

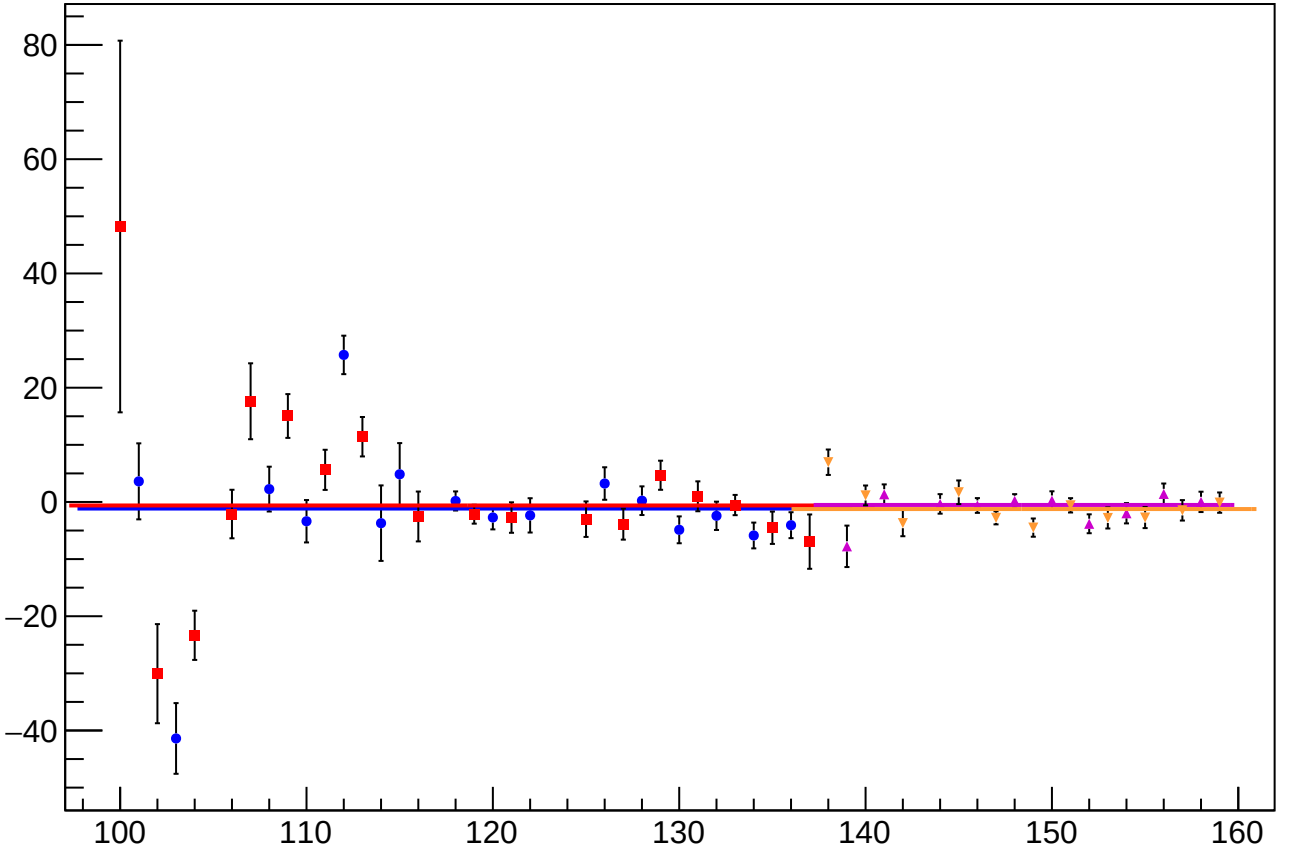
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.941+/-0.509 χ^2/NDF:1287.8/25

Out: 11.189+/-0.503 χ^2/NDF:1952.8/28

All: 12.551+/-0.358 χ^2/NDF: 3255.3/54

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: -1.239+/-0.502 χ^2/NDF:26.7/10

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.523+/-0.515 χ^2/NDF:11.6/9

Left: -0.890+/-0.359 χ^2/NDF: 39.3/20

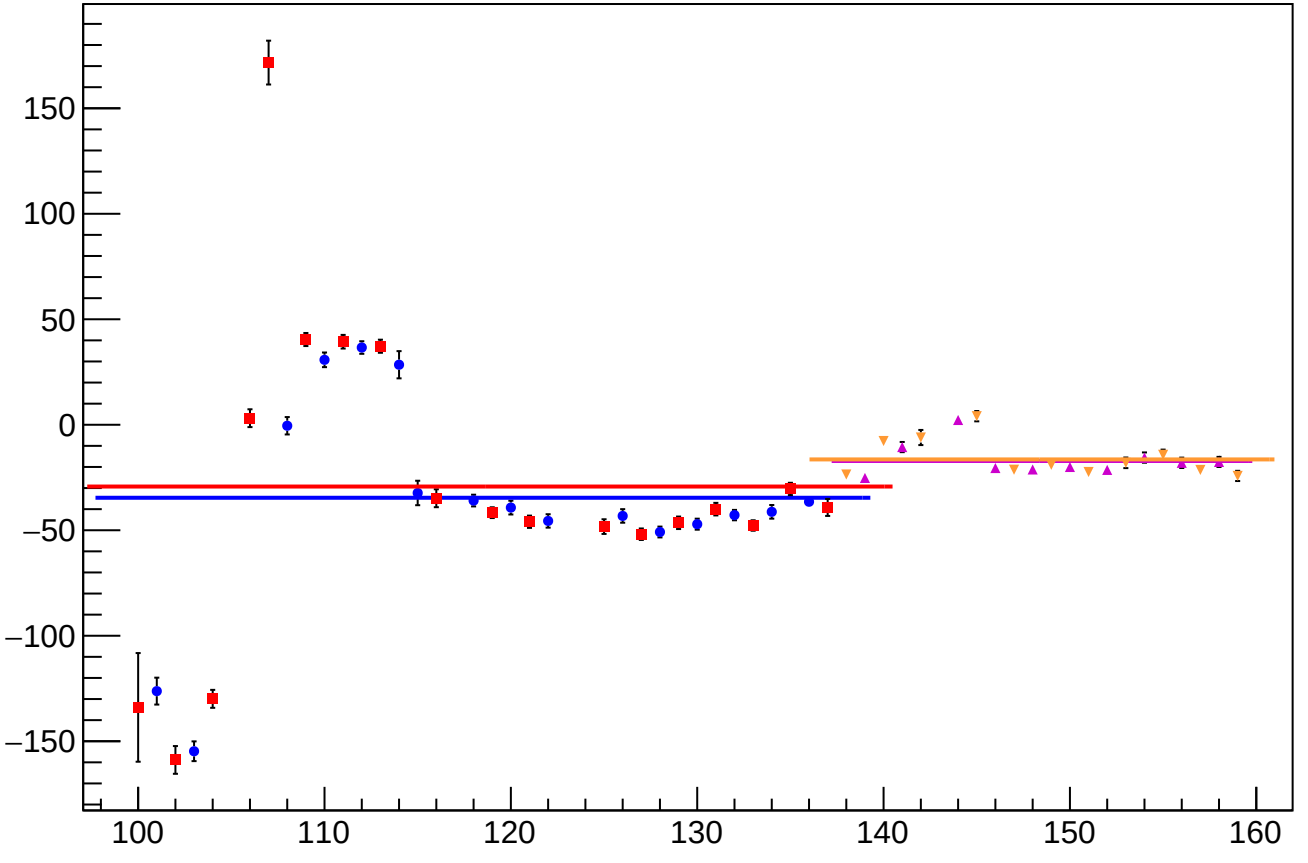
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.744+/-0.415 χ^2/NDF:134.0/25

Out: -1.032+/-0.410 χ^2/NDF:120.5/28

All: -0.890+/-0.292 χ^2/NDF: 254.8/54

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: -16.426+/-0.722 χ^2/NDF:134.9/10

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.163+/-0.733 χ^2/NDF:100.0/9

Left: -16.789+/-0.514 χ^2/NDF: 235.3/20

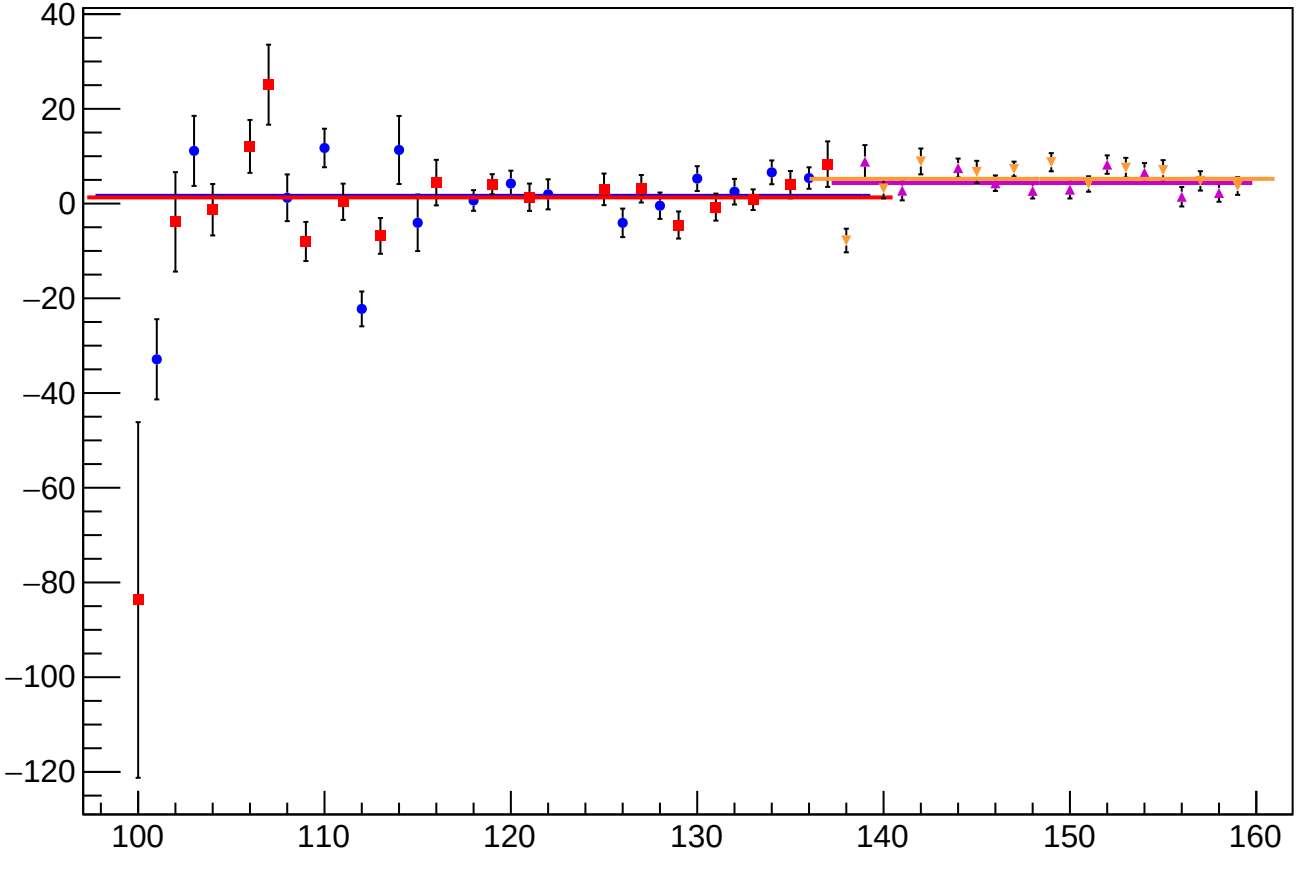
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -25.268+/-0.536 χ^2/NDF:2421.6/25

Out: -22.201+/-0.536 χ^2/NDF:3358.1/28

All: -23.735+/-0.379 χ^2/NDF: 5796.1/54

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: 5.221+/-0.603 χ^2/NDF:38.7/10

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.345+/-0.617 χ^2/NDF:14.7/9

Left: 4.793+/-0.431 χ^2/NDF: 54.4/20

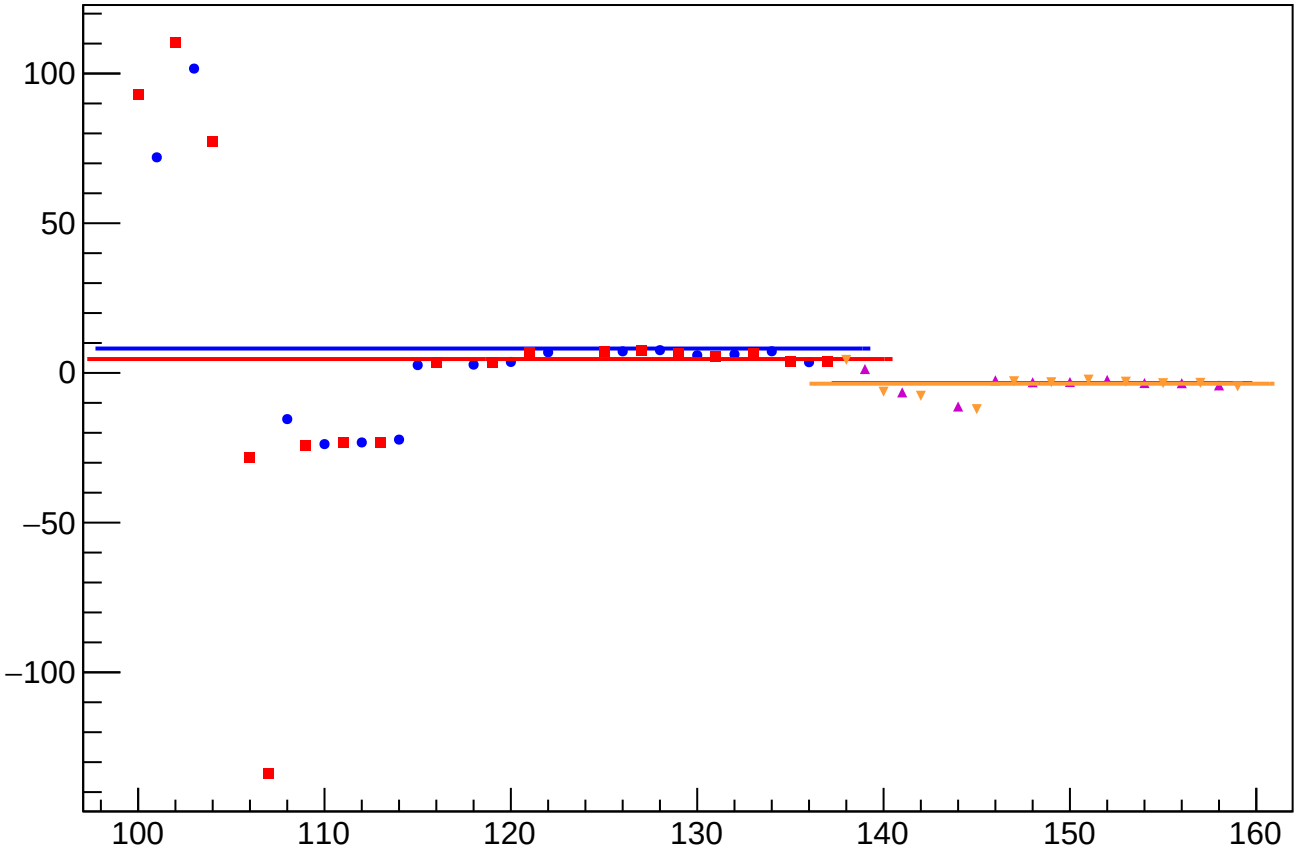
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.329+/-0.488 χ^2/NDF:105.3/25

Out: 3.836+/-0.485 χ^2/NDF:91.1/28

All: 3.584+/-0.344 χ^2/NDF: 197.0/54

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: -3.597+/-0.027 χ^2/NDF:18501.9/10

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.358+/-0.028 χ^2/NDF:10755.3/9

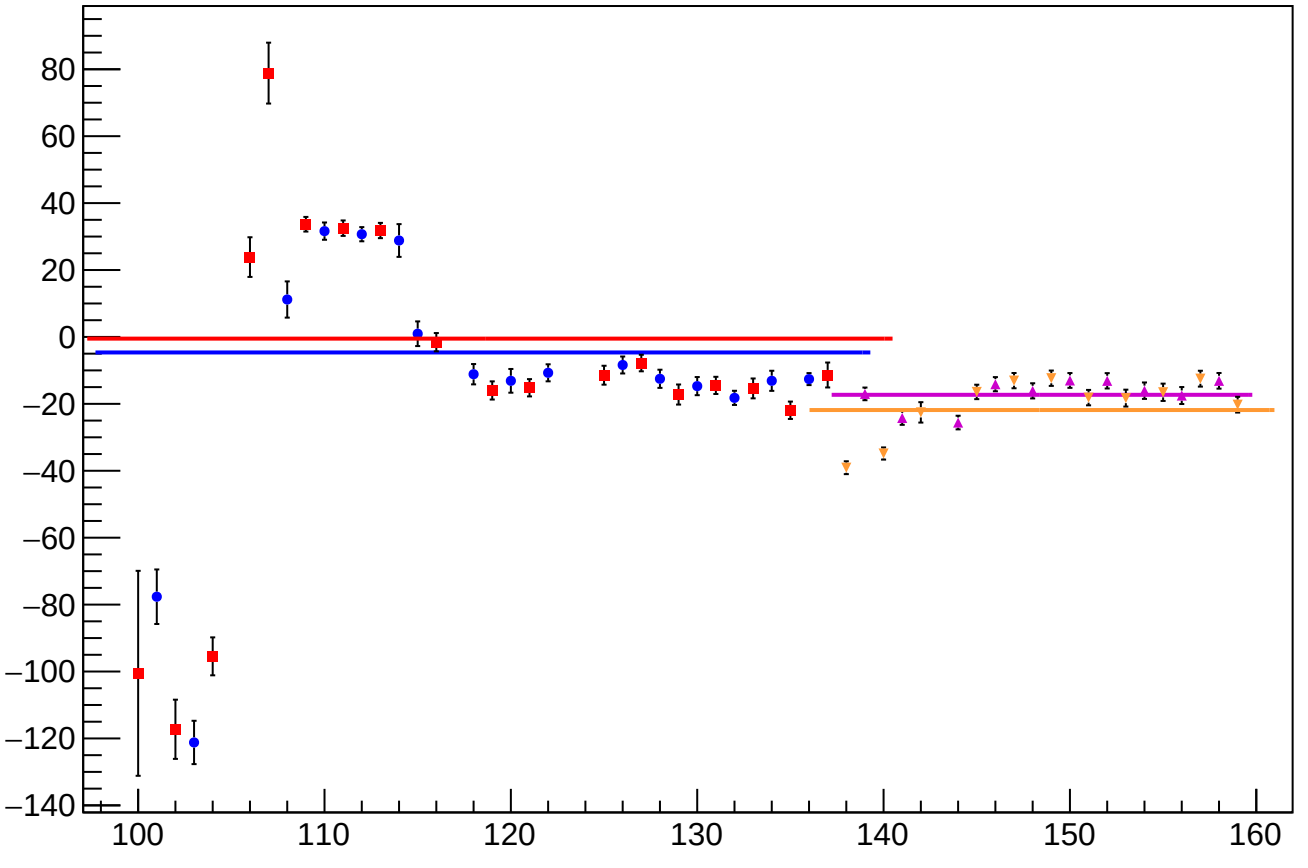
Left: -3.478+/-0.019 χ^2/NDF: 29294.8/20

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.537+/-0.024 χ^2/NDF:366794.8/25

Out: -1.786+/-0.024 χ^2/NDF:485109.8/28

All: -1.154+/-0.017 χ^2/NDF: 853248.9/54



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -21.849+/-0.685 χ^2/NDF:194.7/10

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.298+/-0.695 χ^2/NDF:40.8/9

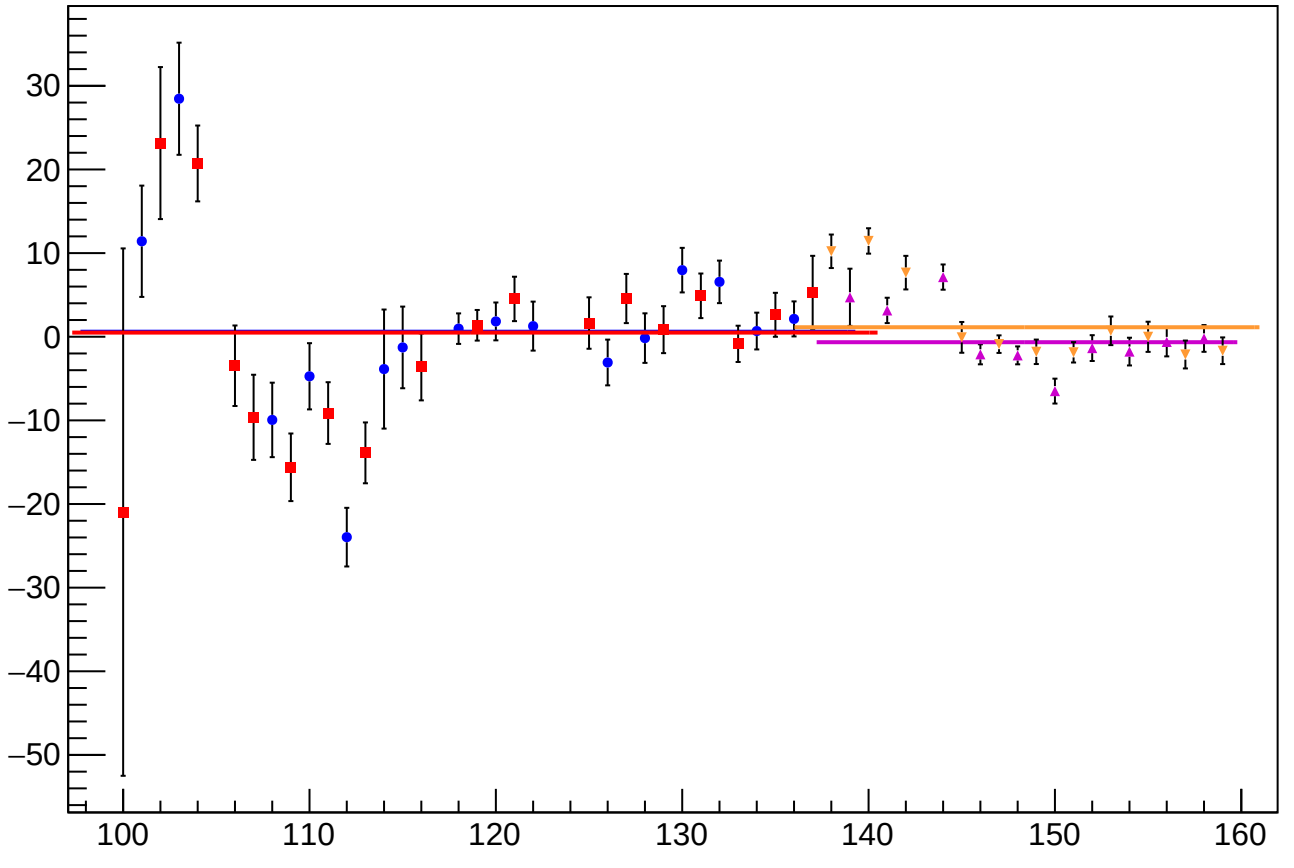
Left: -19.607+/-0.488 χ^2/NDF: 257.3/20

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -11.116+/-0.497 χ^2/NDF:1249.0/25

Out: -11.575+/-0.493 χ^2/NDF:2120.1/28

All: -11.347+/-0.350 χ^2/NDF: 3369.5/54



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.135+/-0.462 χ^2/NDF:98.9/10

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.653+/-0.472 χ^2/NDF:55.2/9

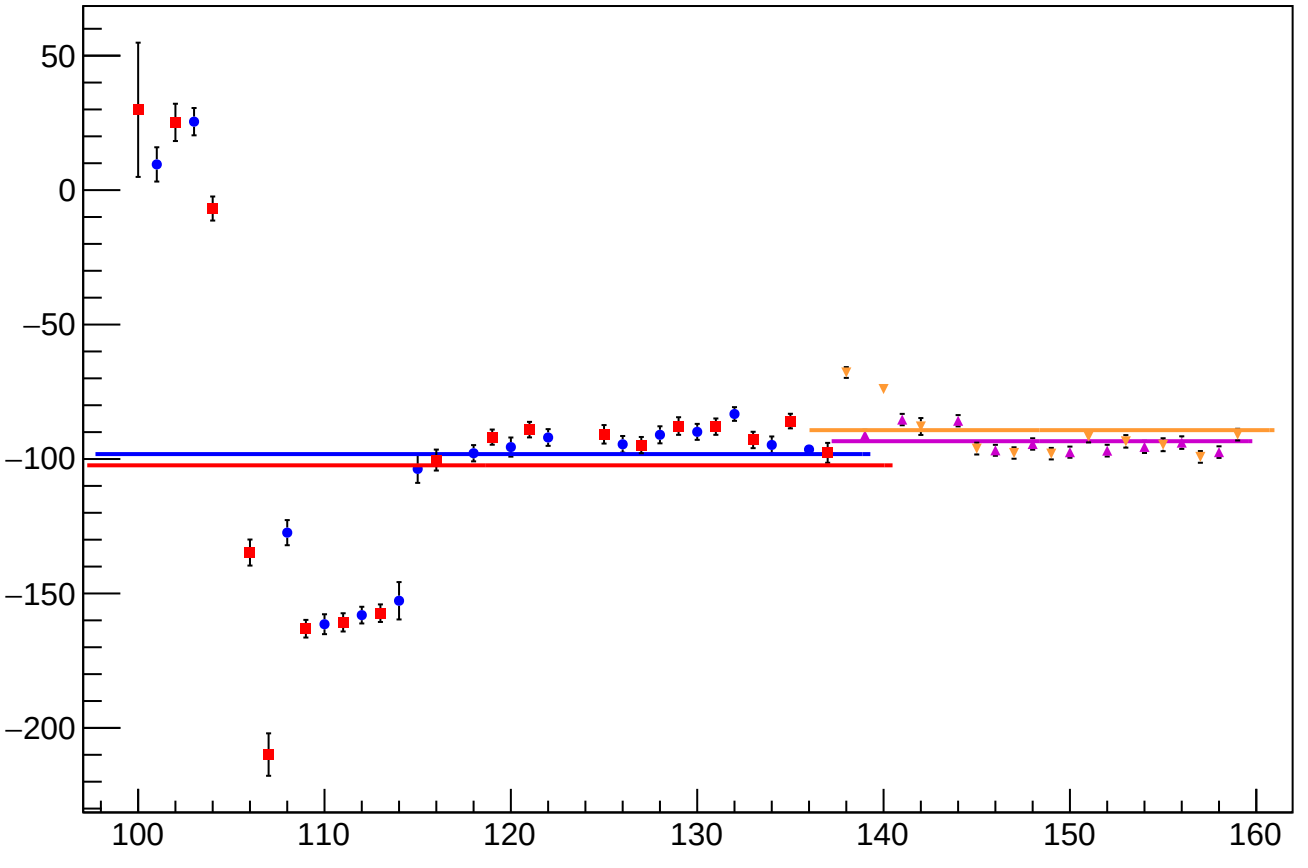
Left: 0.259+/-0.330 χ^2/NDF: 161.5/20

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.281+/-0.396 χ^2/NDF:150.2/25

Out: 0.961+/-0.394 χ^2/NDF:179.6/28

All: 0.342+/-0.279 χ^2/NDF: 334.7/54



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -89.267+/-0.664 χ^2/NDF:254.4/10

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.377+/-0.674 χ^2/NDF:42.8/9

Left: -91.293+/-0.473 χ^2/NDF: 316.1/20

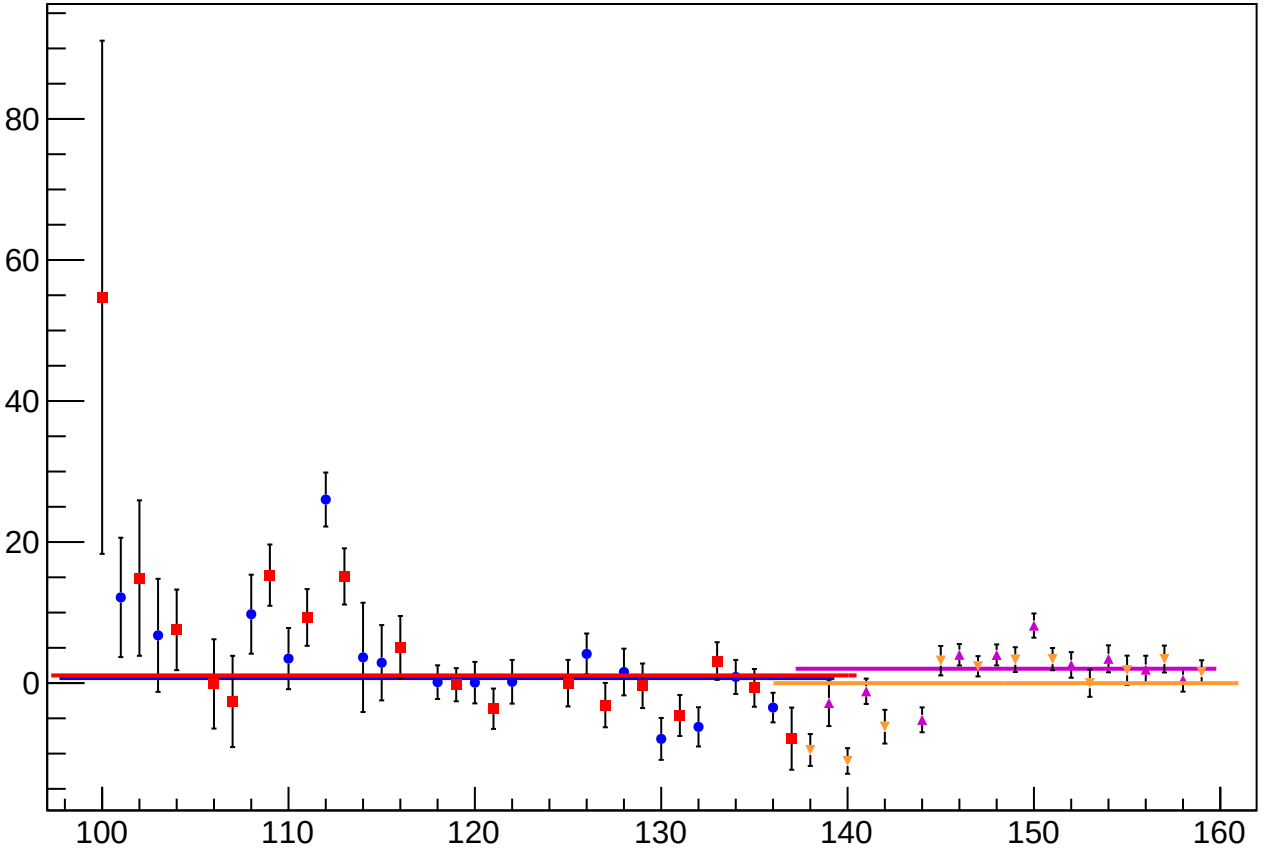
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.328+/-0.519 χ^2/NDF:1763.3/25

Out: -94.324+/-0.520 χ^2/NDF:2521.8/28

All: -94.827+/-0.367 χ^2/NDF: 4287.0/54

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.012+/-0.555 χ^2/NDF:79.4/10

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.034+/-0.565 χ^2/NDF:39.8/9

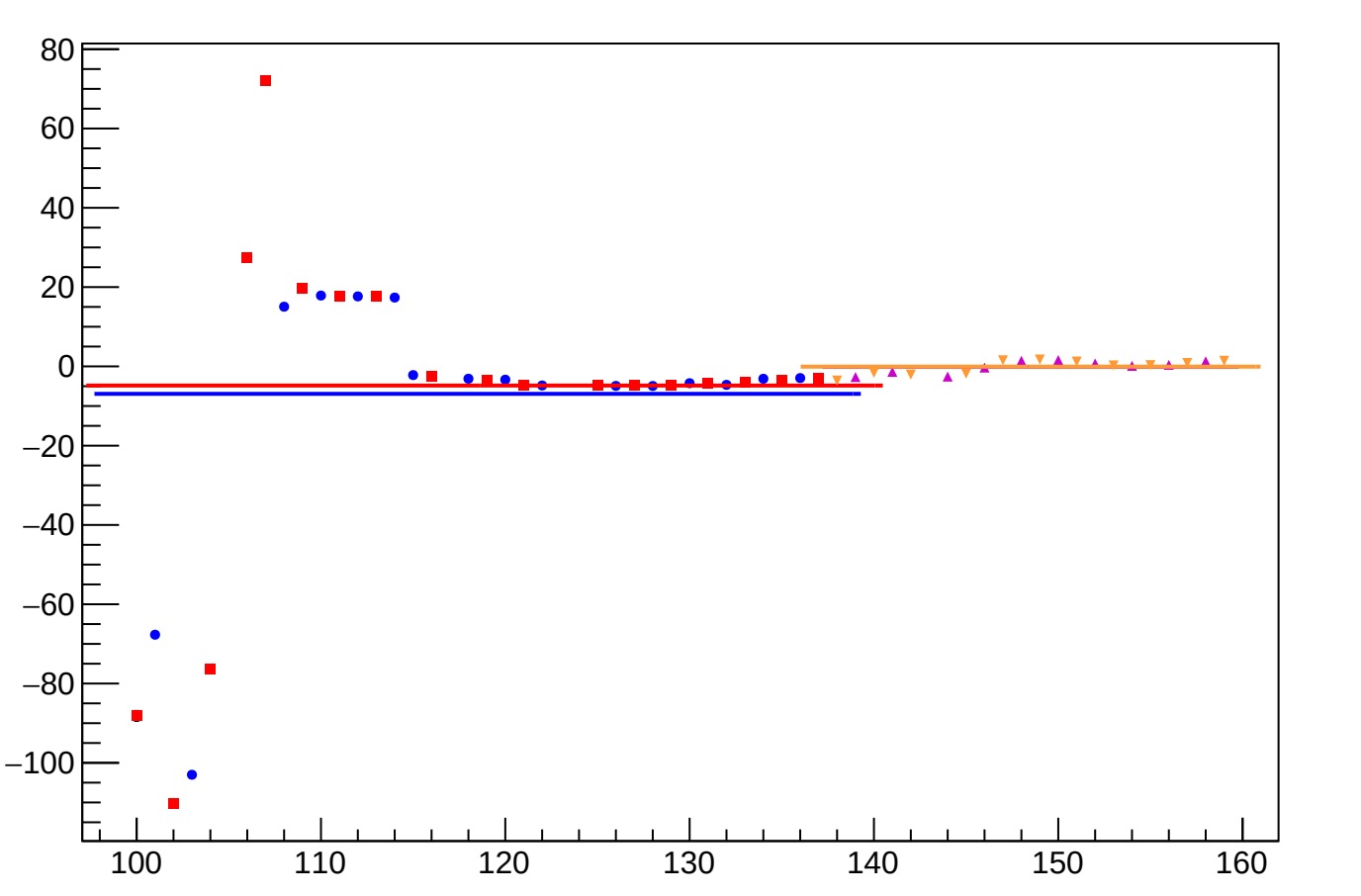
Left: 0.993+/-0.396 χ^2/NDF: 125.8/20

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.609+/-0.465 χ^2/NDF:111.2/25

Out: 0.313+/-0.466 χ^2/NDF:128.2/28

All: 0.962+/-0.329 χ^2/NDF: 243.2/54



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.075+/-0.025 χ^2/NDF:4471.3/10

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.123+/-0.025 χ^2/NDF:3499.1/9

Left: -0.099+/-0.018 χ^2/NDF: 7972.2/20

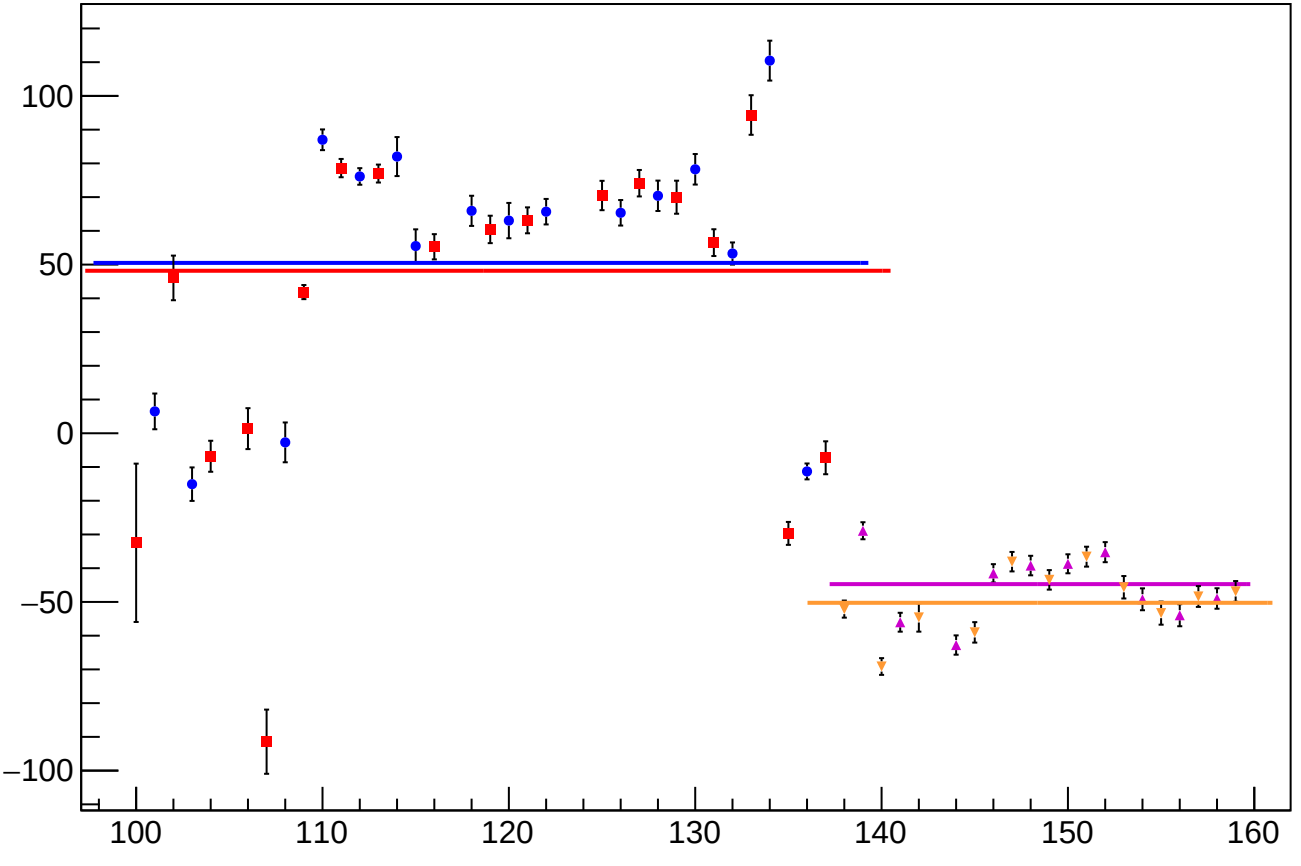
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.590+/-0.023 χ^2/NDF:284105.6/25

Out: -0.966+/-0.023 χ^2/NDF:350432.8/28

All: -1.282+/-0.016 χ^2/NDF: 634916.1/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.256+/-0.904 χ^2/NDF:117.0/10

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.718+/-0.914 χ^2/NDF:126.9/9

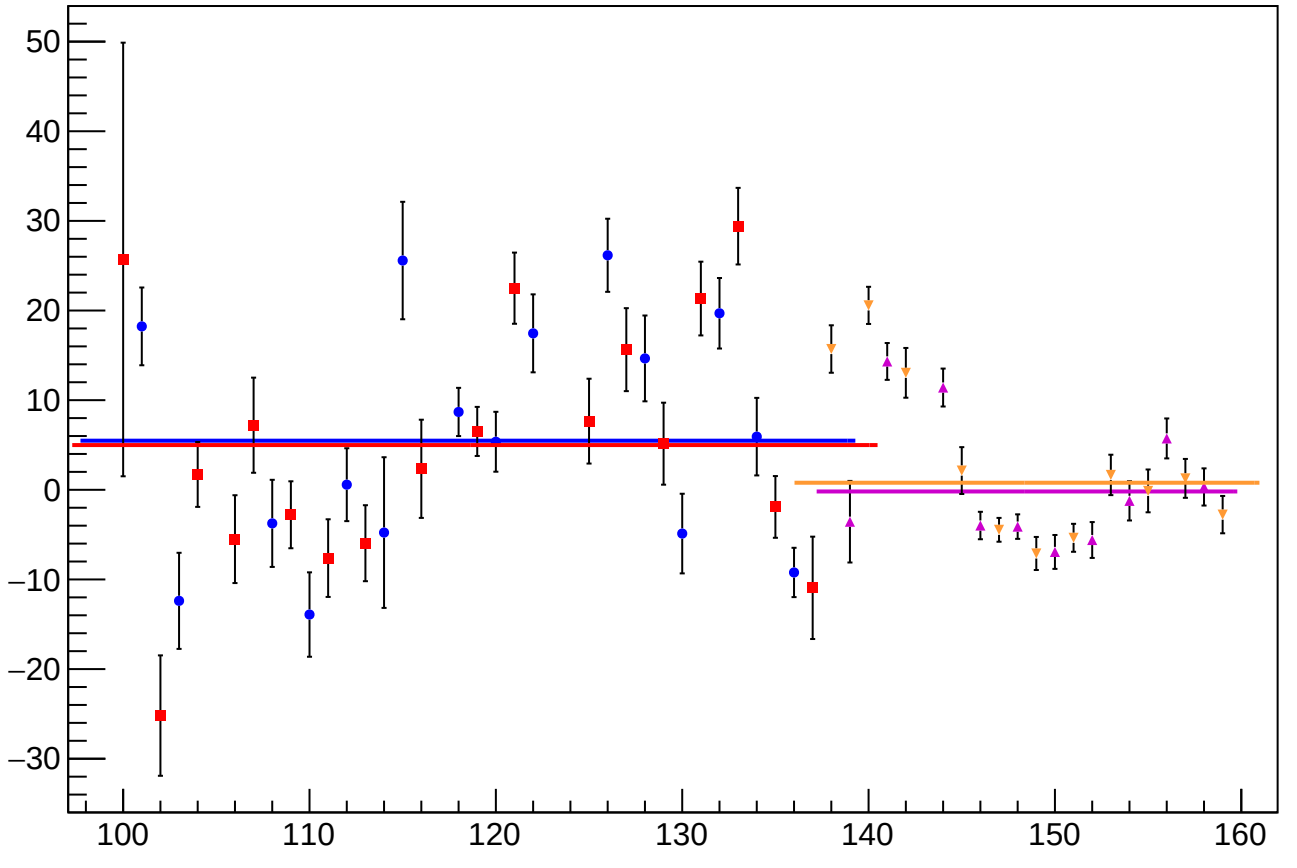
Left: -47.518+/-0.643 χ^2/NDF: 262.5/20

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 0.285+/-0.664 χ^2/NDF:6761.9/25

Out: -1.609+/-0.643 χ^2/NDF:7498.1/28

All: -0.692+/-0.462 χ^2/NDF: 14264.2/54



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 0.790+/-0.604 χ^2/NDF:195.4/10

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.186+/-0.615 χ^2/NDF:122.2/9

Left: 0.311+/-0.431 χ^2/NDF: 318.8/20

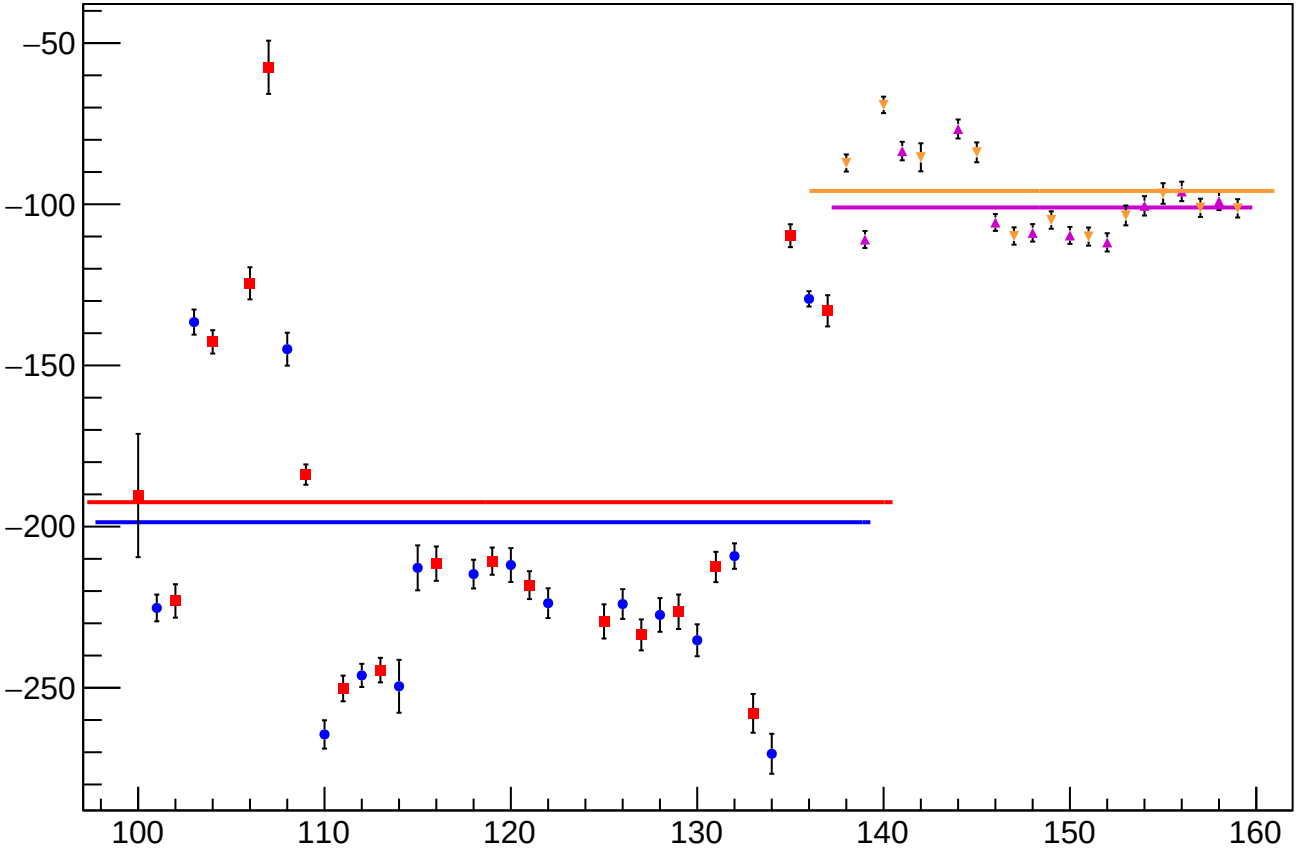
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.323+/-0.527 χ^2/NDF:282.9/25

Out: 1.878+/-0.520 χ^2/NDF:339.7/28

All: 1.604+/-0.370 χ^2/NDF: 623.2/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.865+/-0.875 χ^2/NDF:217.5/10

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.995+/-0.884 χ^2/NDF:160.0/9

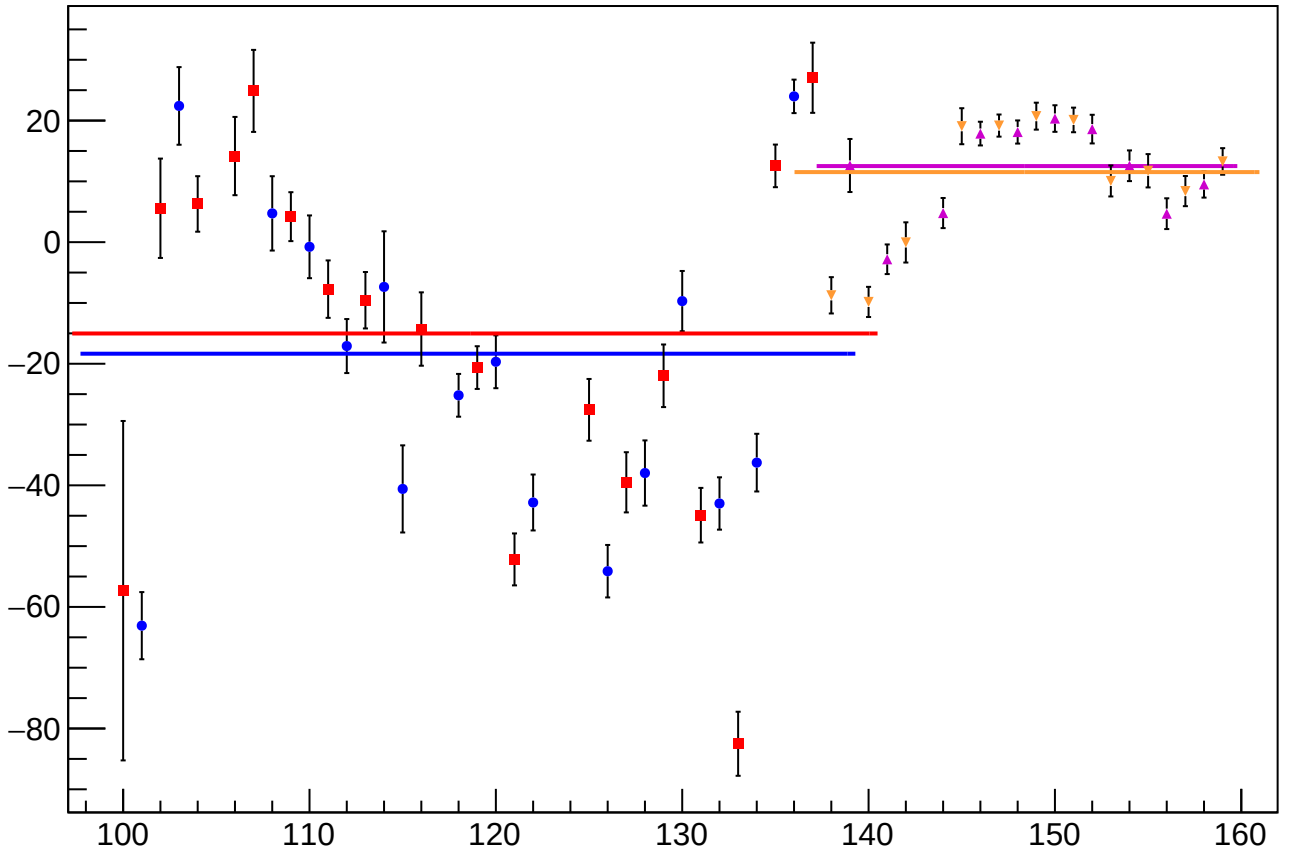
Left: -98.404+/-0.622 χ^2/NDF: 394.6/20

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -139.997+/-0.685 χ^2/NDF:7041.0/25

Out: -134.119+/-0.680 χ^2/NDF:7185.9/28

All: -137.036+/-0.482 χ^2/NDF: 14264.0/54



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.526+/-0.728 χ^2/NDF:194.3/10

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.516+/-0.738 χ^2/NDF:96.4/9

Left: 12.014+/-0.518 χ^2/NDF: 291.6/20

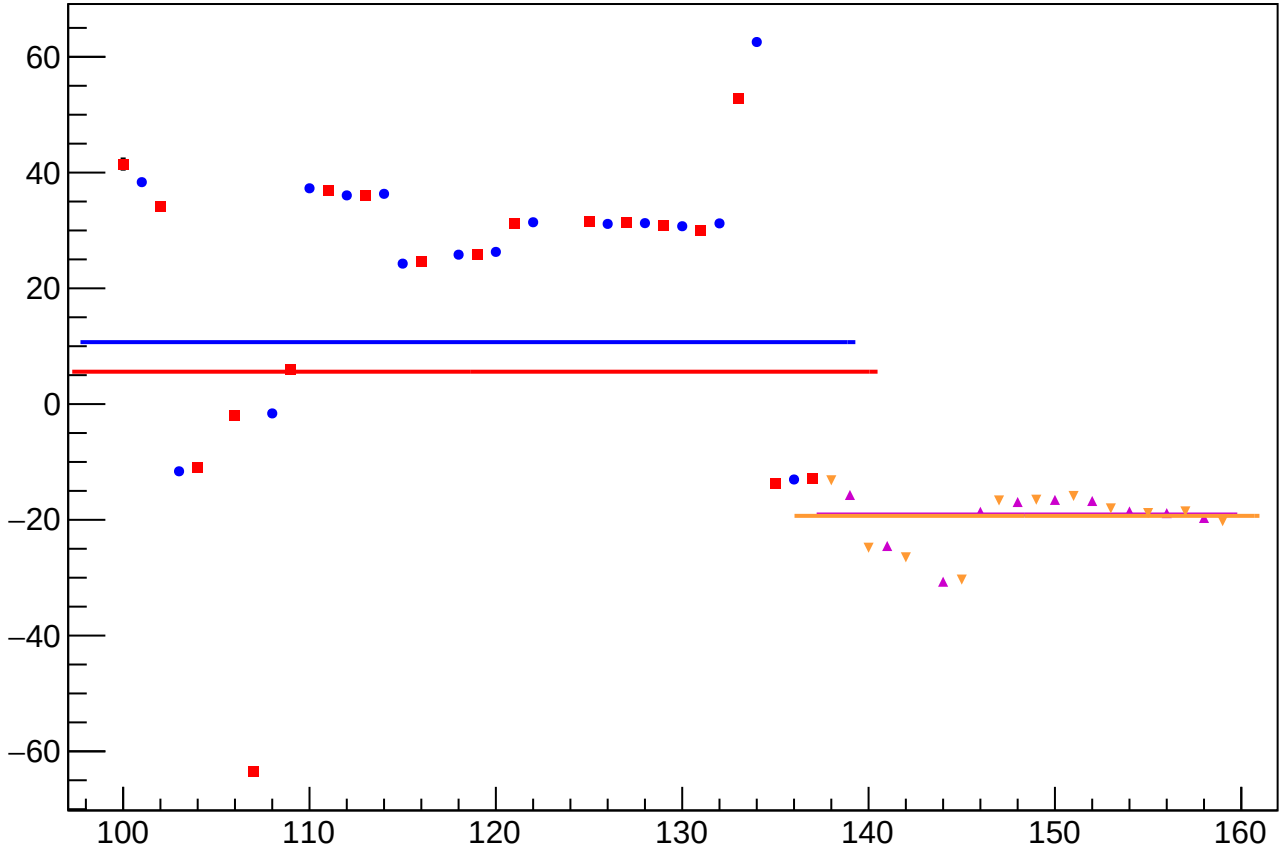
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.616+/-0.623 χ^2/NDF:1144.6/25

Out: 4.045+/-0.617 χ^2/NDF:1115.7/28

All: 3.832+/-0.438 χ^2/NDF: 2260.6/54

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: -19.312+/-0.033 χ^2/NDF:18077.0/10

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.079+/-0.033 χ^2/NDF:12775.1/9

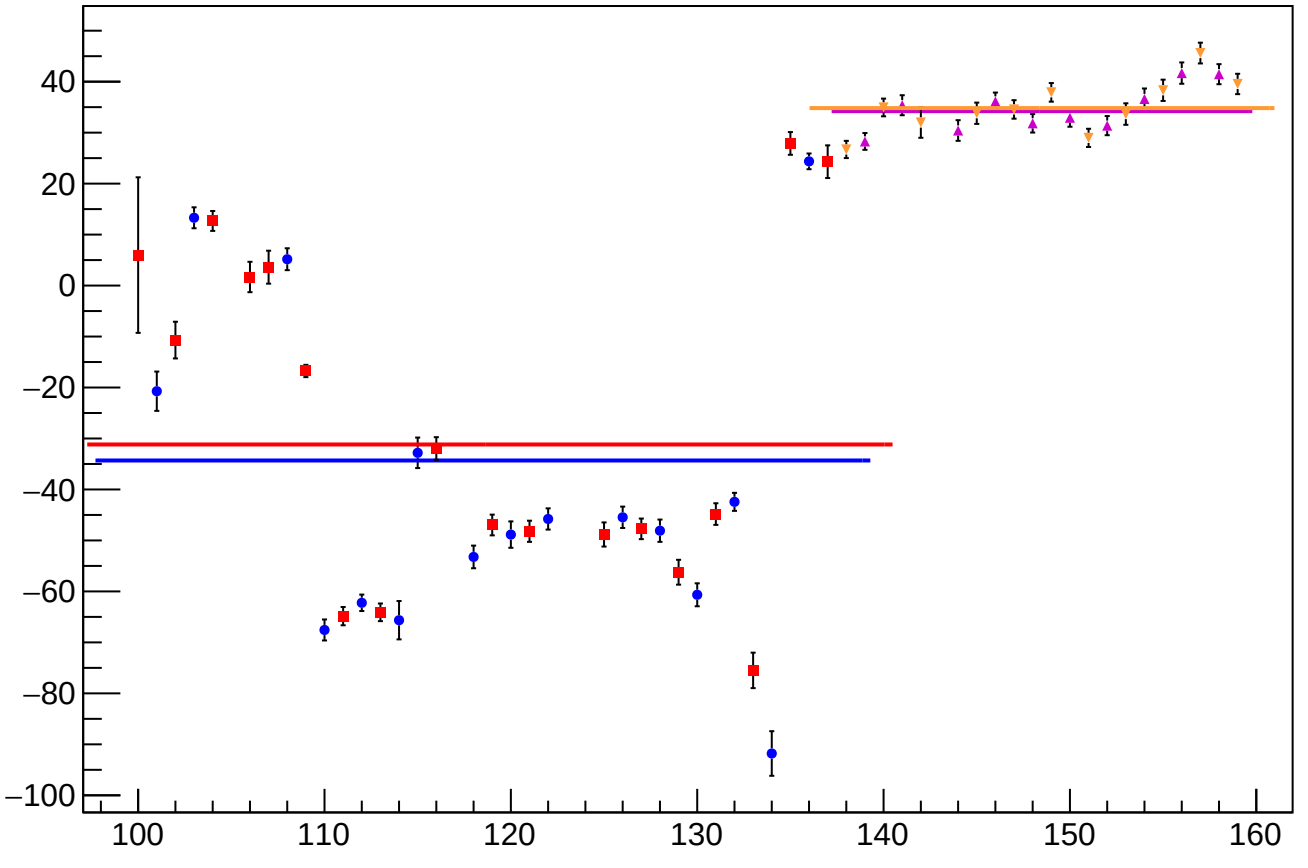
Left: -19.196+/-0.024 χ^2/NDF: 30876.3/20

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -12.556+/-0.029 χ^2/NDF:352723.0/25

Out: -13.940+/-0.030 χ^2/NDF:293274.3/28

All: -13.246+/-0.021 χ^2/NDF: 647098.2/54



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.815+/-0.589 χ^2/NDF:74.5/10

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.222+/-0.594 χ^2/NDF:50.3/9

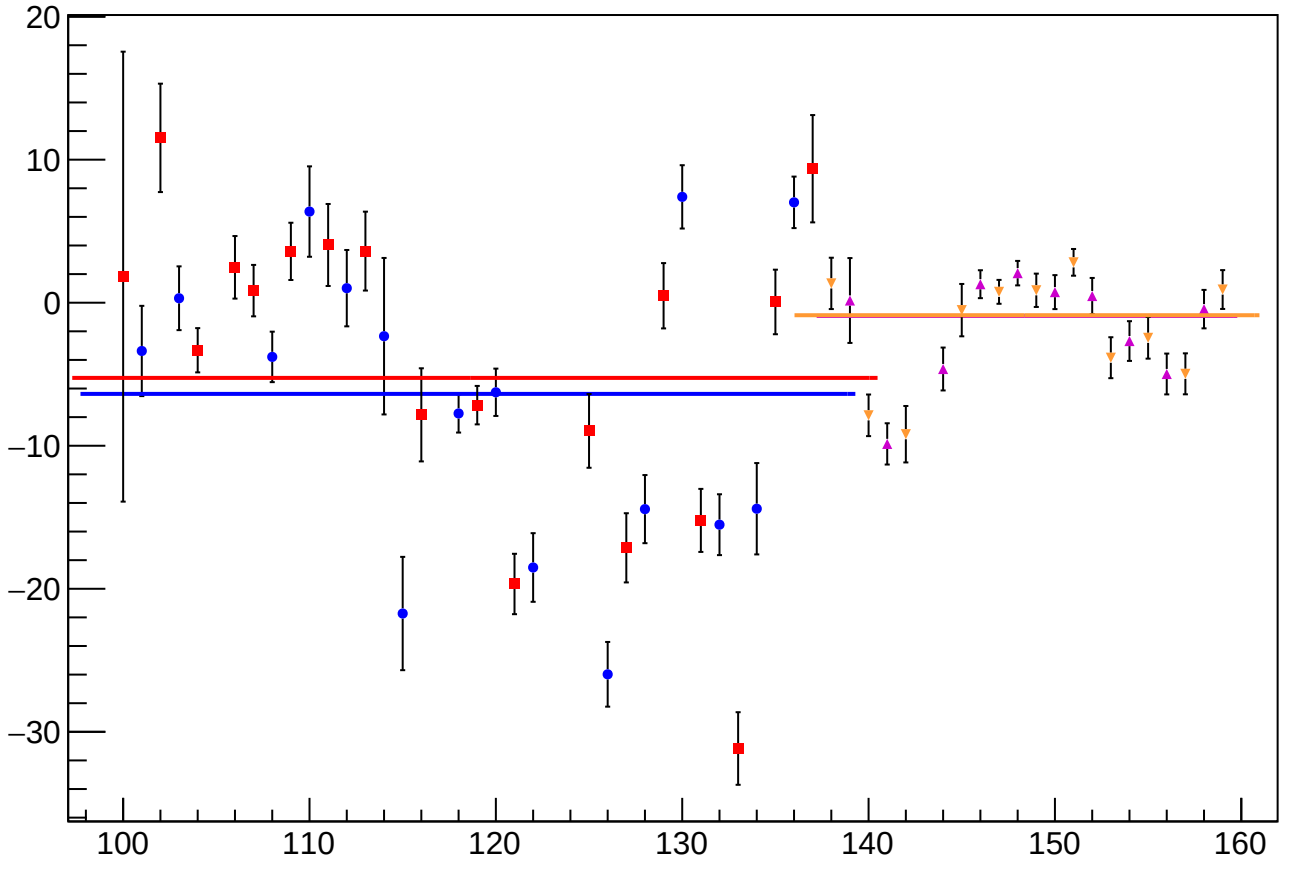
Left: 34.521+/-0.418 χ^2/NDF: 125.4/20

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -2.807+/-0.403 χ^2/NDF:10747.3/25

Out: -2.521+/-0.388 χ^2/NDF:10383.9/28

All: -2.659+/-0.279 χ^2/NDF: 21131.5/54



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.875+/-0.388 χ^2/NDF:79.6/10

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.924+/-0.397 χ^2/NDF:75.1/9

Left: -0.899+/-0.277 χ^2/NDF: 154.7/20

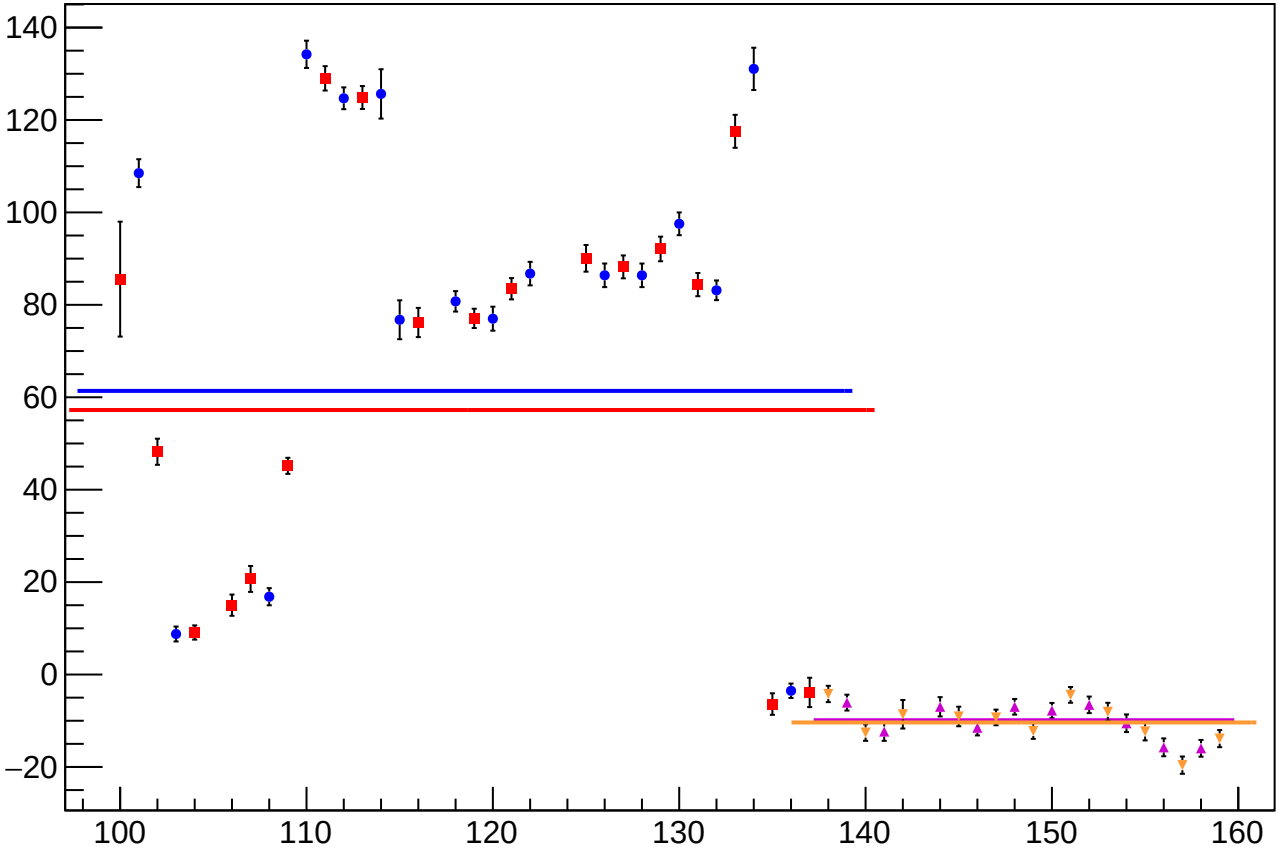
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.774+/-0.322 χ^2/NDF:422.7/25

Out: -2.394+/-0.314 χ^2/NDF:436.8/28

All: -2.579+/-0.225 χ^2/NDF: 860.2/54

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: -10.371+/-0.568 χ^2/NDF:58.5/10

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.888+/-0.573 χ^2/NDF:37.9/9

Left: -10.132+/-0.403 χ^2/NDF: 96.8/20

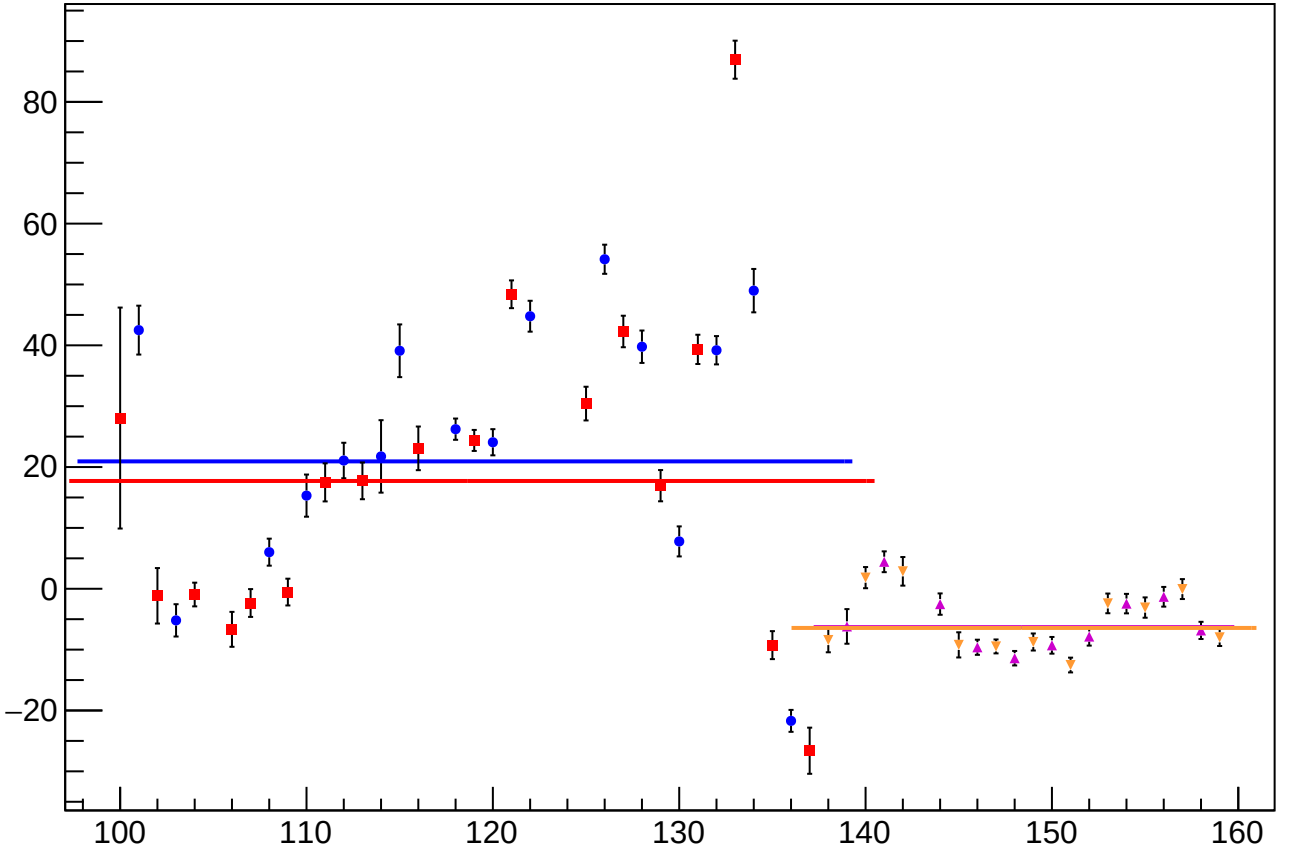
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 24.415+/-0.412 χ^2/NDF:13562.5/25

Out: 22.687+/-0.406 χ^2/NDF:12266.0/28

All: 23.537+/-0.289 χ^2/NDF: 25837.3/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.437+/-0.469 χ^2/NDF:102.6/10

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.297+/-0.477 χ^2/NDF:90.8/9

Left: -6.368+/-0.334 χ^2/NDF: 193.5/20

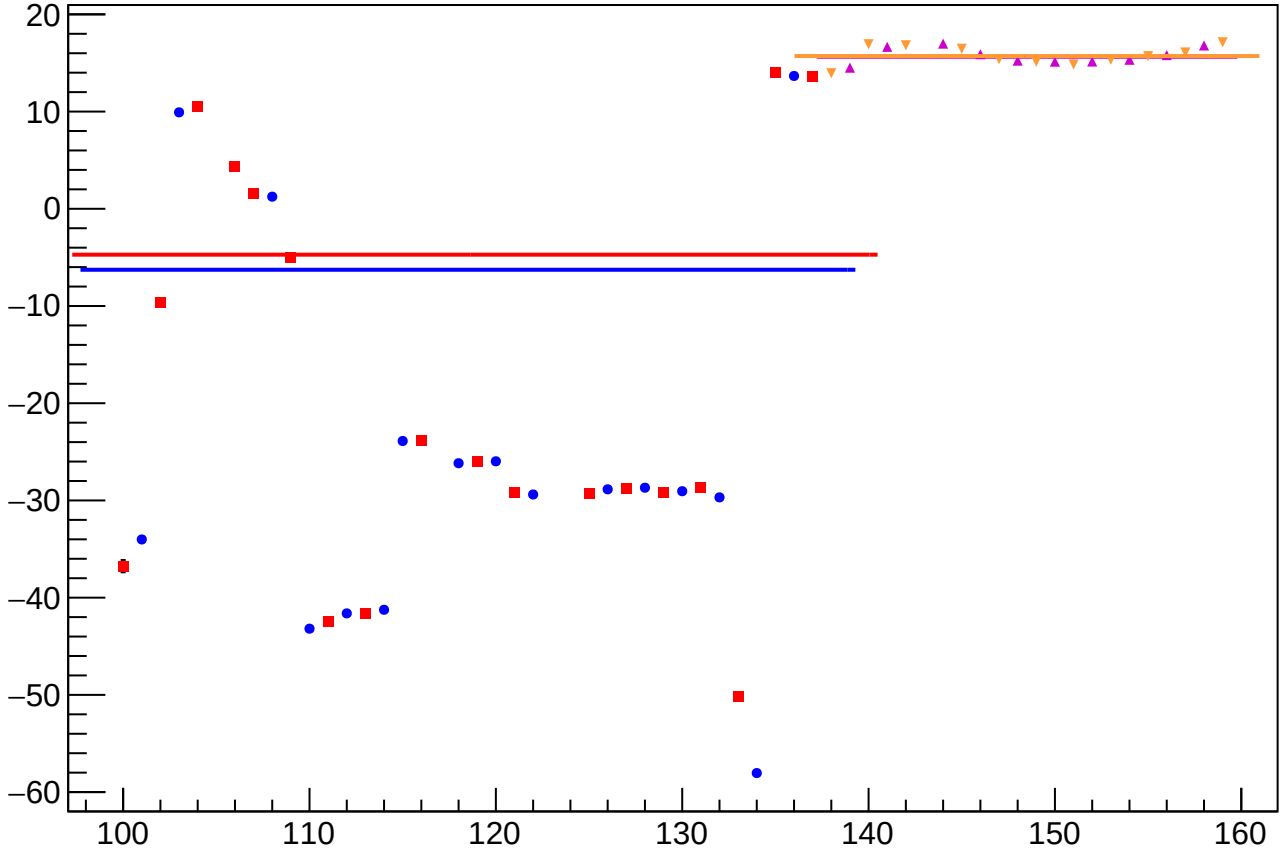
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 3.420+/-0.382 χ^2/NDF:2499.7/25

Out: 2.378+/-0.373 χ^2/NDF:2553.6/28

All: 2.887+/-0.267 χ^2/NDF: 5057.1/54

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: 15.711+/-0.022 χ^2/NDF:1851.6/10

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.641+/-0.022 χ^2/NDF:1231.5/9

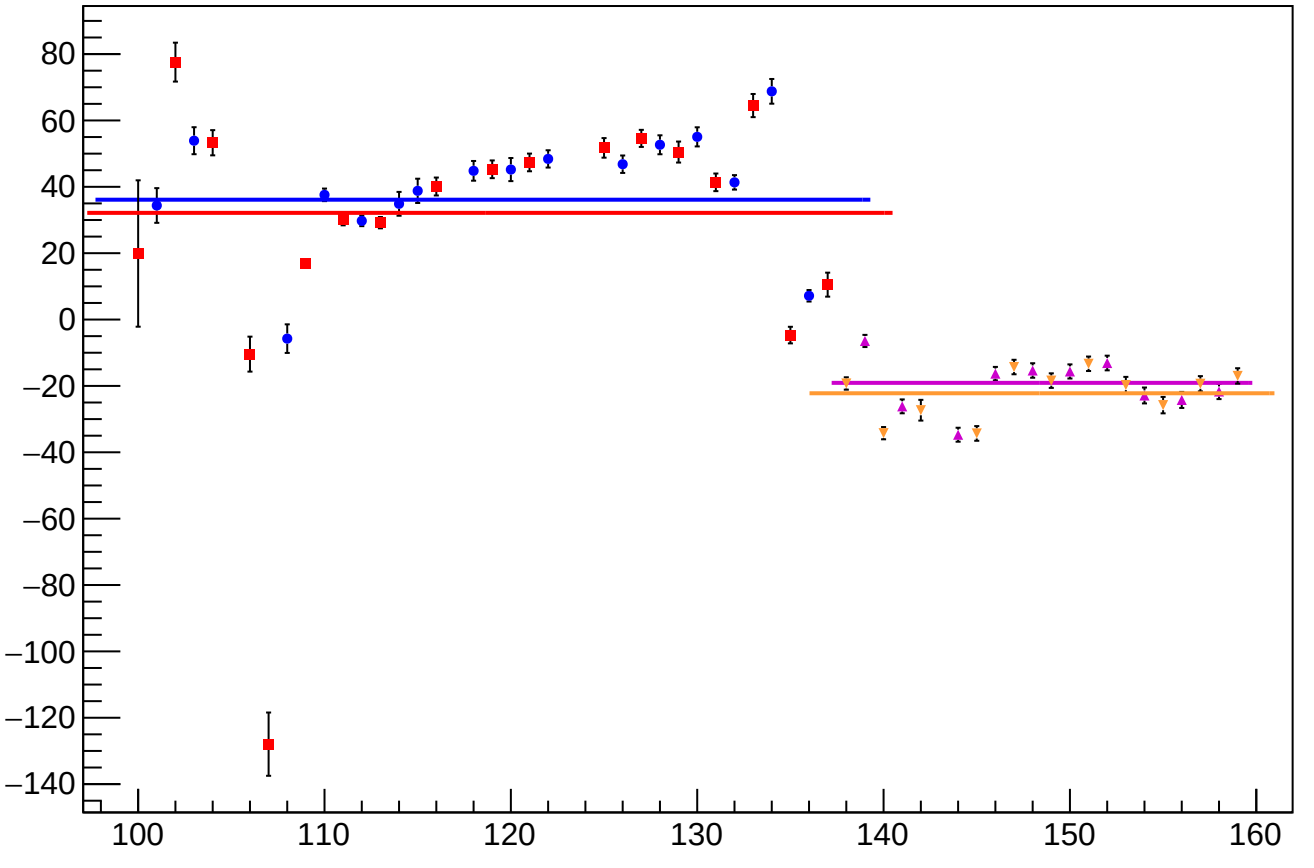
Left: 15.676+/-0.015 χ^2/NDF: 3088.4/20

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 9.219+/-0.018 χ^2/NDF:715646.5/25

Out: 9.768+/-0.018 χ^2/NDF:569328.1/28

All: 9.492+/-0.013 χ^2/NDF: 1285434.4/54



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.215+/-0.672 χ^2/NDF:119.8/10

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.077+/-0.680 χ^2/NDF:137.0/9

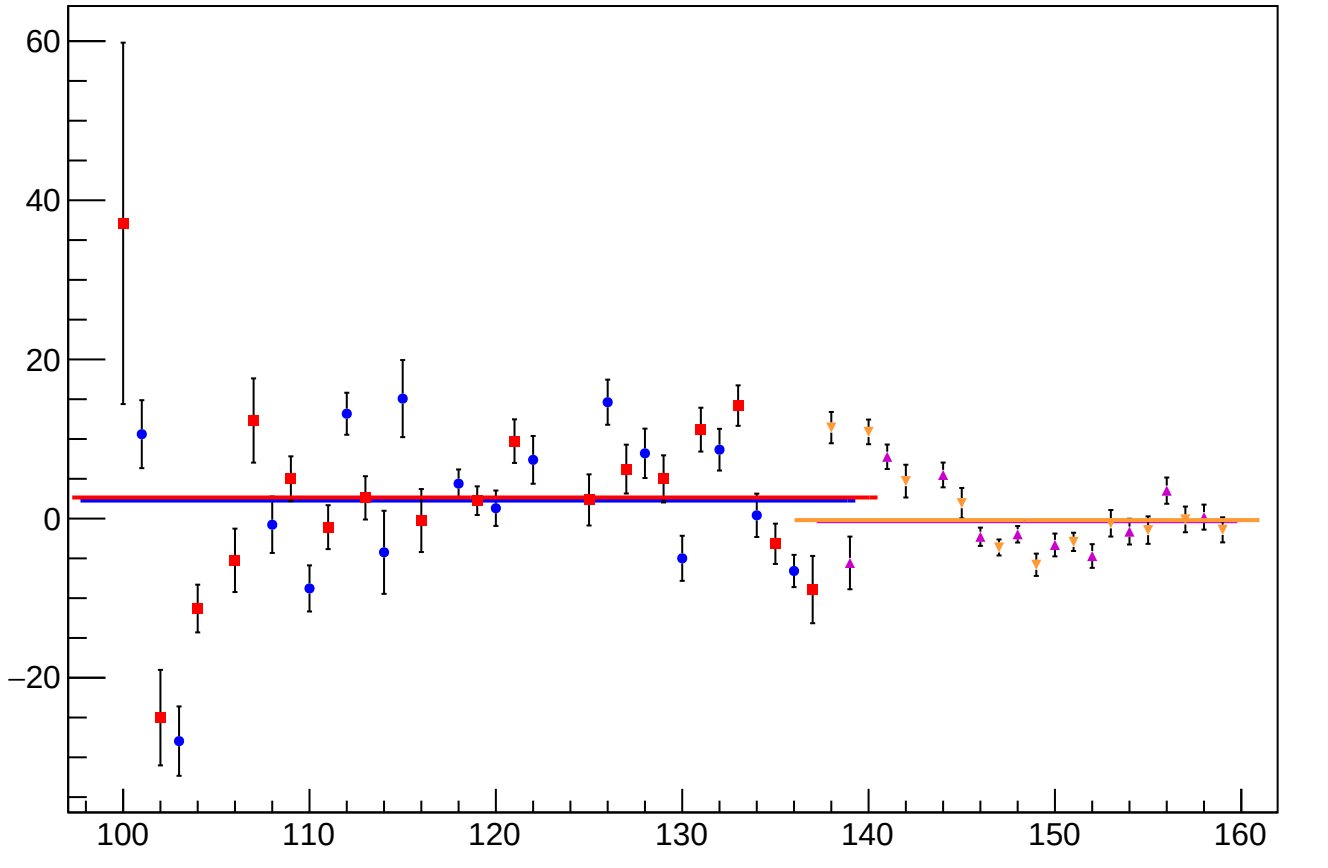
Left: -20.665+/-0.478 χ^2/NDF: 267.5/20

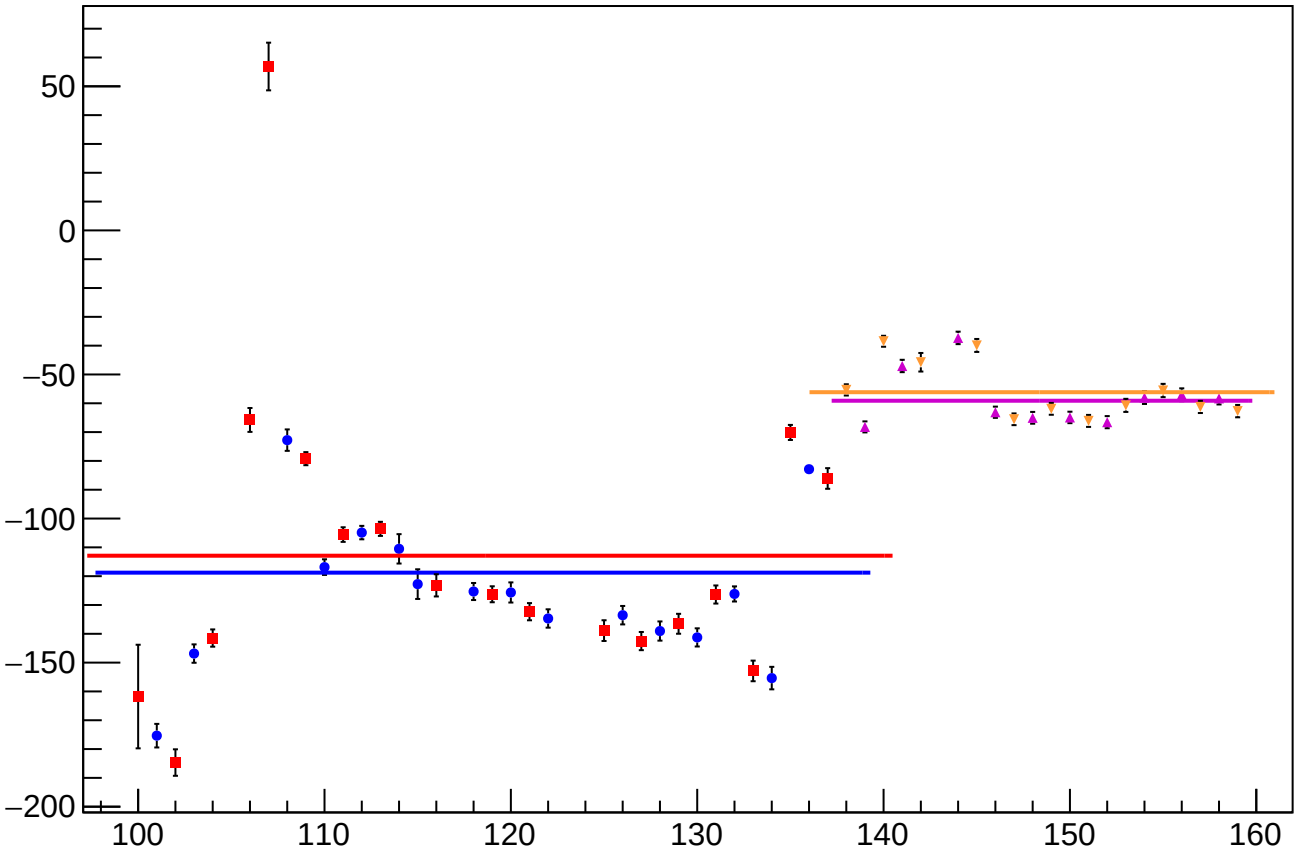
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 9.496+/-0.472 χ^2/NDF:4170.0/25

Out: 6.682+/-0.460 χ^2/NDF:4716.0/28

All: 8.051+/-0.329 χ^2/NDF: 8904.2/54


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: -0.191+/-0.451 χ²/NDF:127.6/10
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: -0.328+/-0.461 χ²/NDF:68.7/9
Left: -0.258+/-0.322 χ²/NDF: 196.4/20
Right: 2.454+/-0.501 χ²/NDF: 259.4/33
In: 0.453+/-0.385 χ²/NDF:230.3/25
Out: 0.617+/-0.381 χ²/NDF:246.2/28
All: 0.536+/-0.271 χ²/NDF: 476.5/54



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.152+/-0.650 χ^2/NDF:220.1/10

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.116+/-0.658 χ^2/NDF:190.2/9

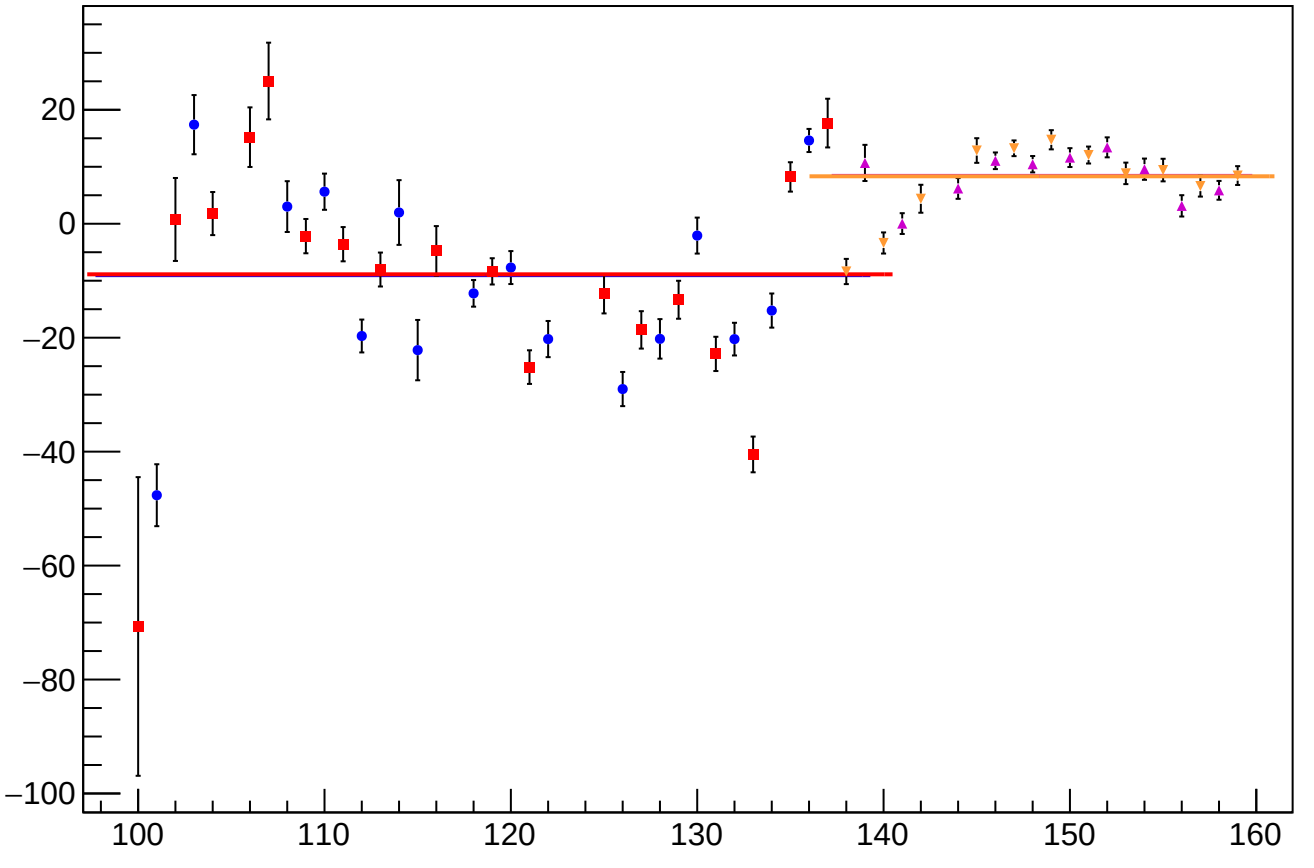
Left: -57.617+/-0.463 χ^2/NDF: 420.6/20

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -84.802+/-0.497 χ^2/NDF:4848.7/25

Out: -80.105+/-0.494 χ^2/NDF:5296.8/28

All: -82.443+/-0.350 χ^2/NDF: 10190.4/54



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.327+/-0.542 χ^2/NDF:138.6/10

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.397+/-0.552 χ^2/NDF:50.9/9

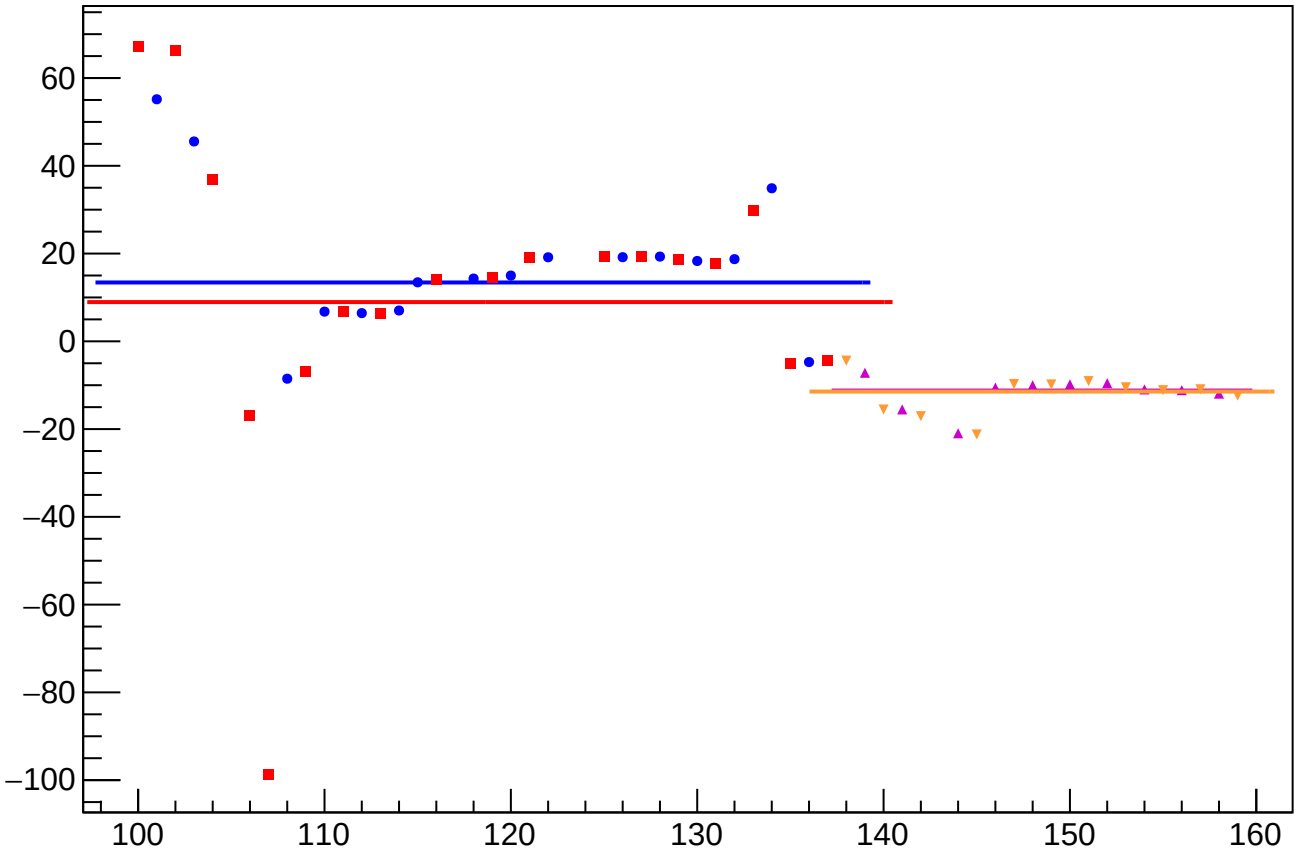
Left: 8.361+/-0.387 χ^2/NDF: 189.5/20

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.740+/-0.453 χ^2/NDF:732.6/25

Out: 3.007+/-0.451 χ^2/NDF:768.6/28

All: 2.875+/-0.320 χ^2/NDF: 1501.4/54



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.447+/-0.025 χ^2/NDF:26689.3/10

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.220+/-0.025 χ^2/NDF:17212.5/9

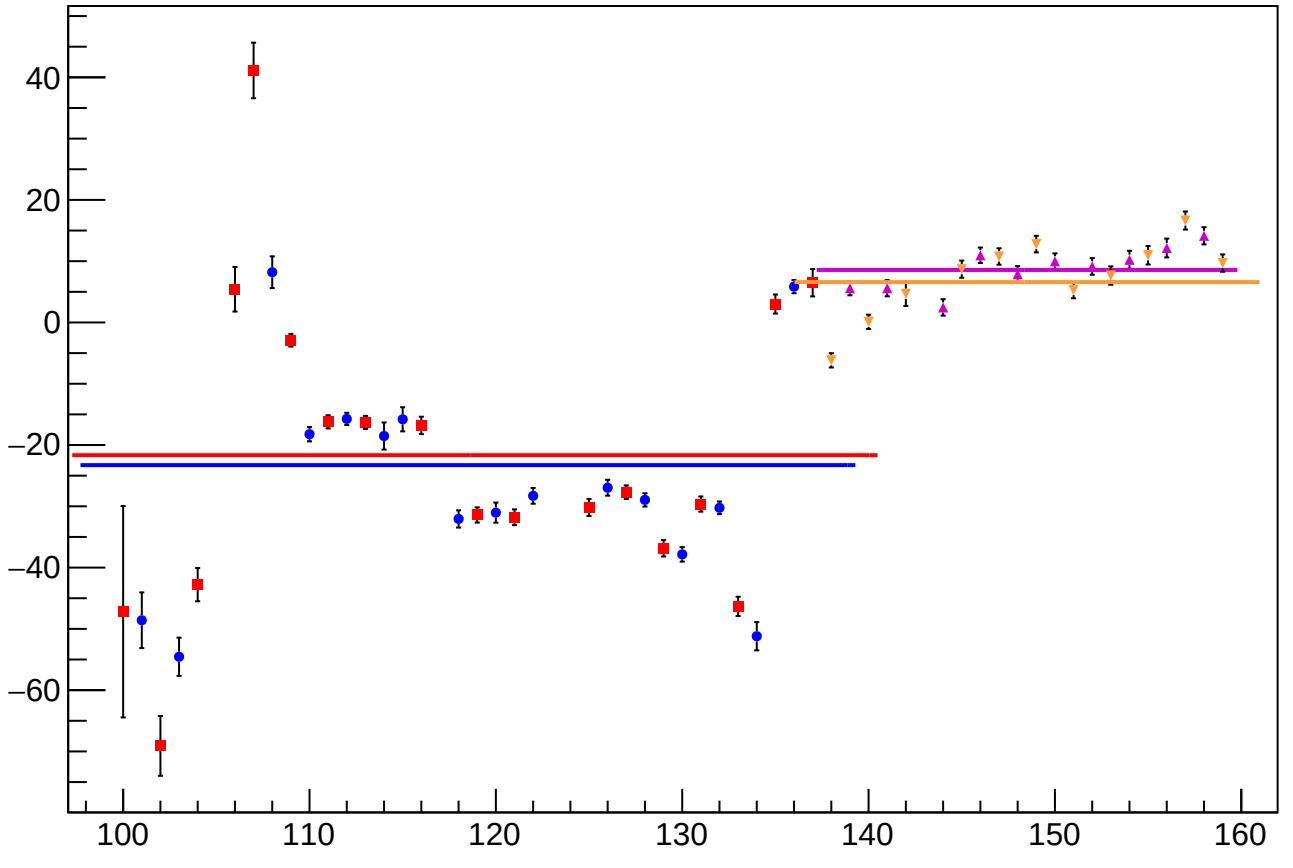
Left: -11.333+/-0.018 χ^2/NDF: 43943.7/20

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -5.541+/-0.022 χ^2/NDF:428594.4/25

Out: -7.074+/-0.022 χ^2/NDF:463178.4/28

All: -6.300+/-0.015 χ^2/NDF: 894237.4/54



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.591+/-0.417 χ^2/NDF:245.8/10

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 8.570+/-0.422 χ^2/NDF:60.4/9

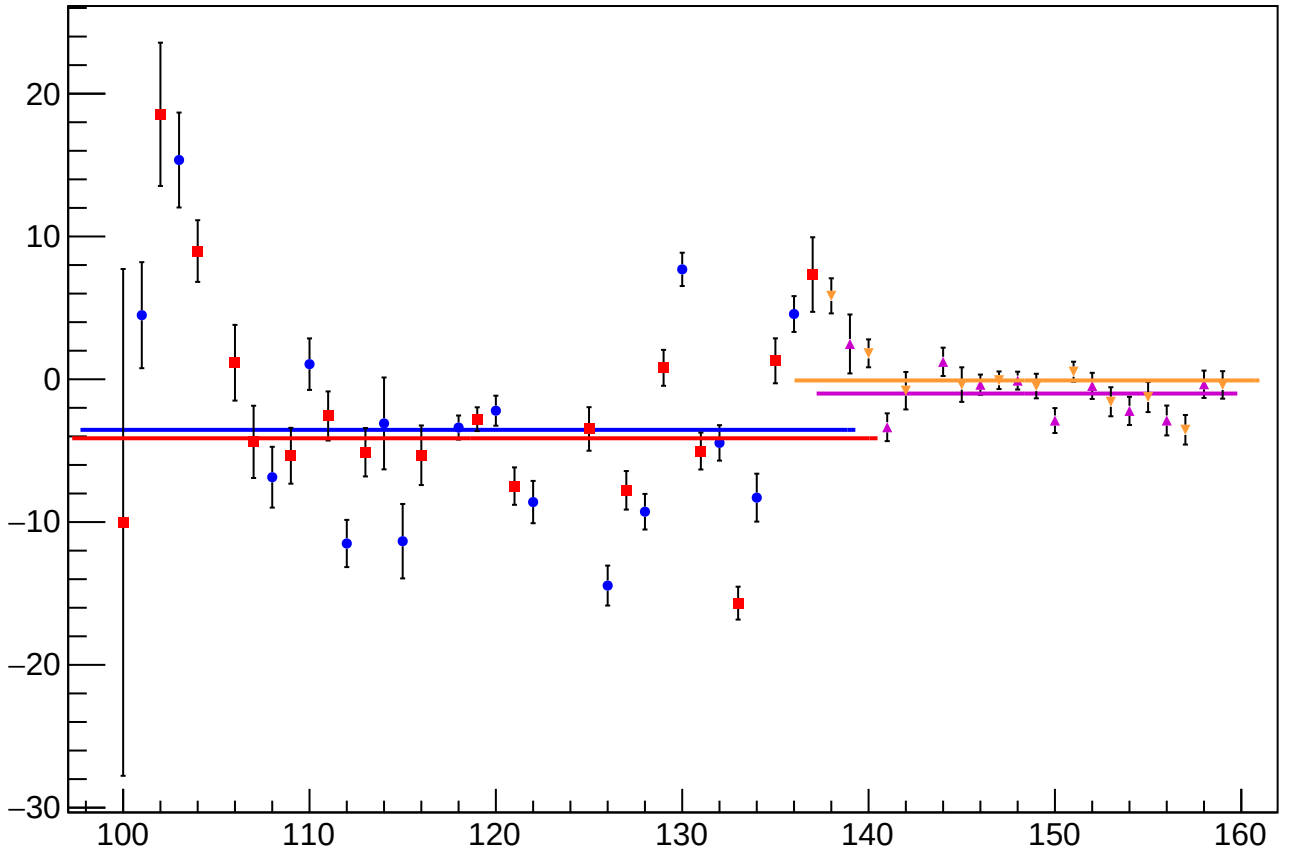
Left: 7.569+/-0.297 χ^2/NDF: 317.4/20

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -10.273+/-0.270 χ^2/NDF:5002.9/25

Out: -10.089+/-0.267 χ^2/NDF:4769.1/28

All: -10.180+/-0.190 χ^2/NDF: 9772.2/54



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: -0.081+/-0.278 χ^2/NDF:43.0/10

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.999+/-0.284 χ^2/NDF:26.8/9

Left: -0.531+/-0.199 χ^2/NDF: 75.1/20

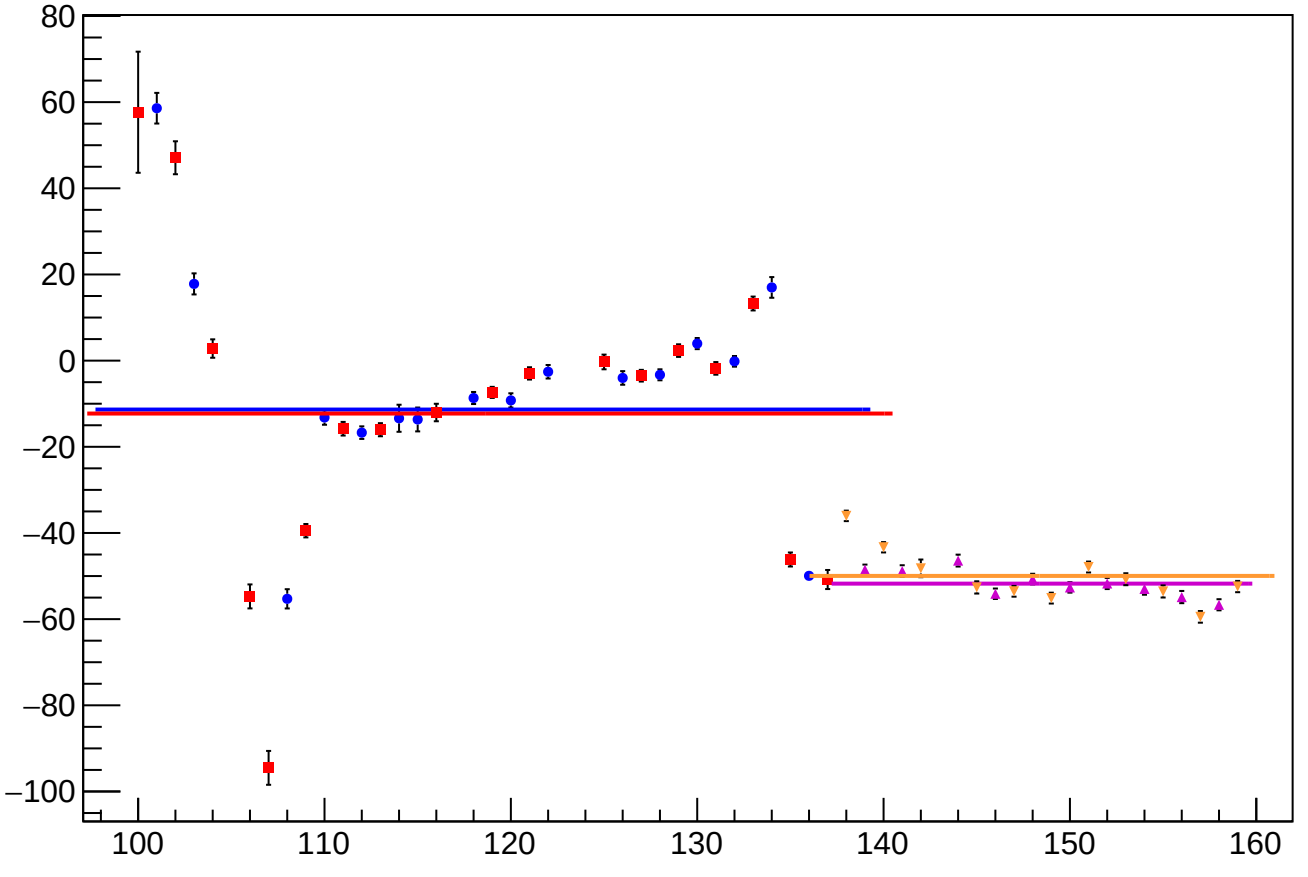
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.967+/-0.224 χ^2/NDF:374.0/25

Out: -1.542+/-0.223 χ^2/NDF:346.8/28

All: -1.753+/-0.158 χ^2/NDF: 722.6/54

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: -49.966+/-0.403 χ^2/NDF:253.1/10

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -51.758+/-0.408 χ^2/NDF:52.0/9

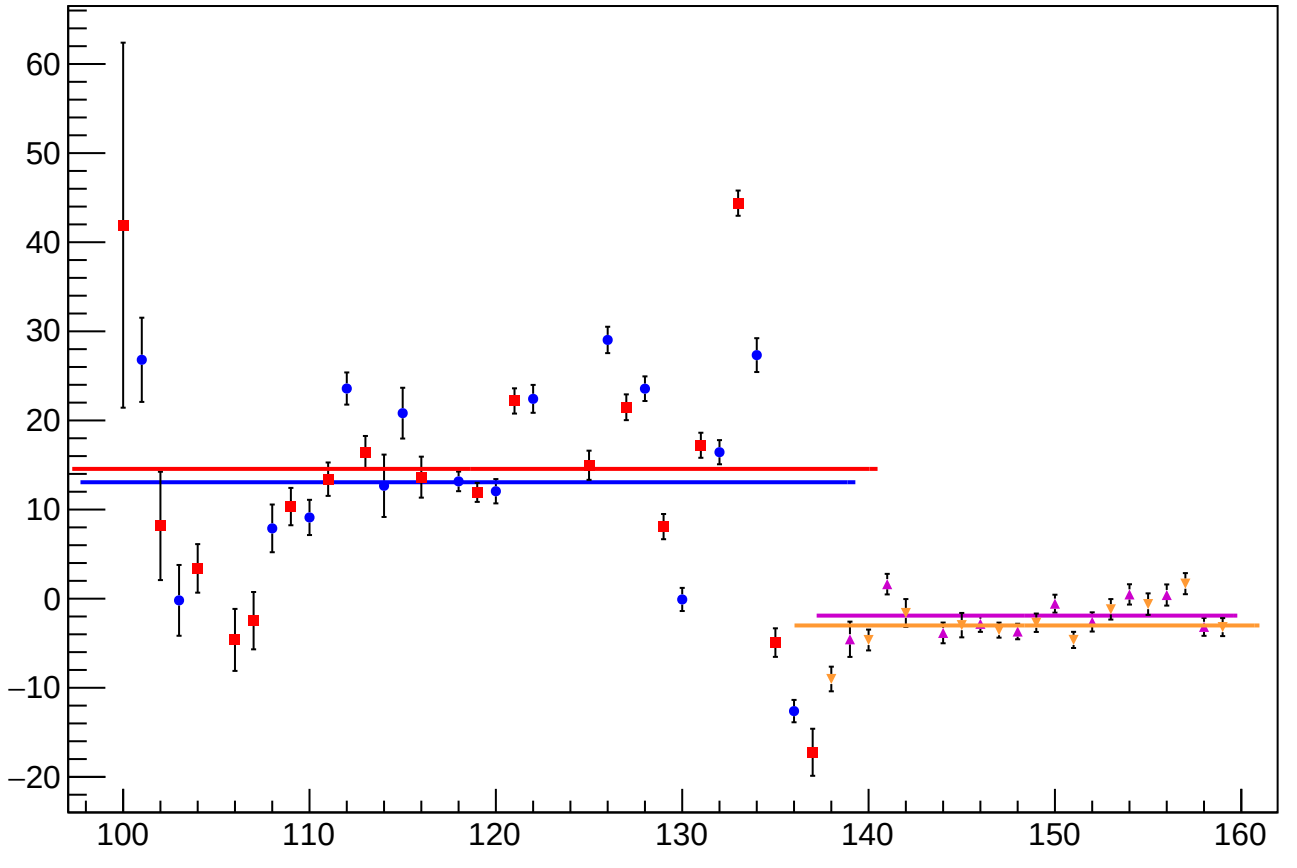
Left: -50.853+/-0.287 χ^2/NDF: 314.8/20

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -31.460+/-0.288 χ^2/NDF:7649.3/25

Out: -31.577+/-0.289 χ^2/NDF:7103.5/28

All: -31.518+/-0.204 χ^2/NDF: 14753.0/54



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.007+/-0.335 χ^2/NDF:47.5/10

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.902+/-0.341 χ^2/NDF:31.1/9

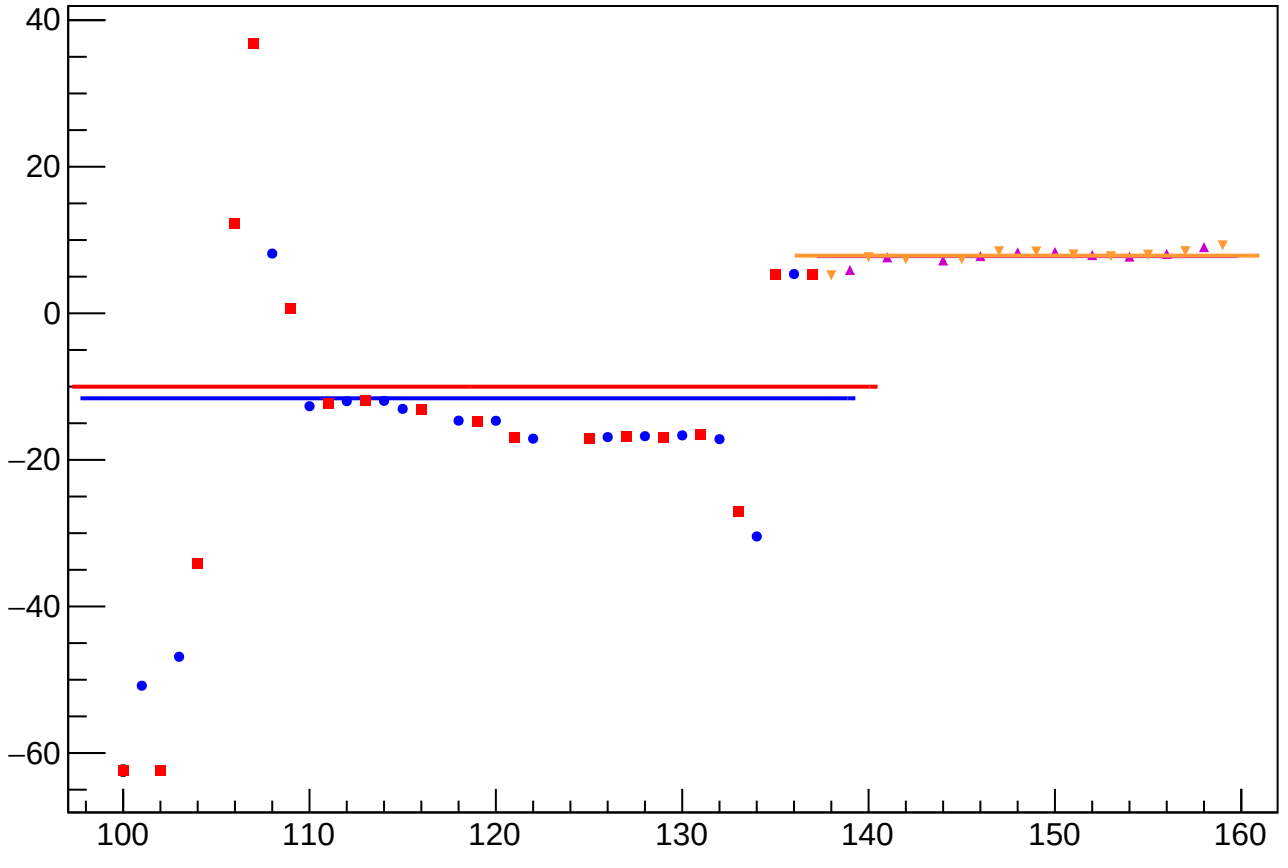
Left: -2.464+/-0.239 χ^2/NDF: 83.9/20

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 4.135+/-0.263 χ^2/NDF:1671.7/25

Out: 3.782+/-0.263 χ^2/NDF:2011.7/28

All: 3.958+/-0.186 χ^2/NDF: 3684.4/54



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.872+/-0.015 χ^2/NDF:4648.9/10

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.802+/-0.015 χ^2/NDF:3126.4/9

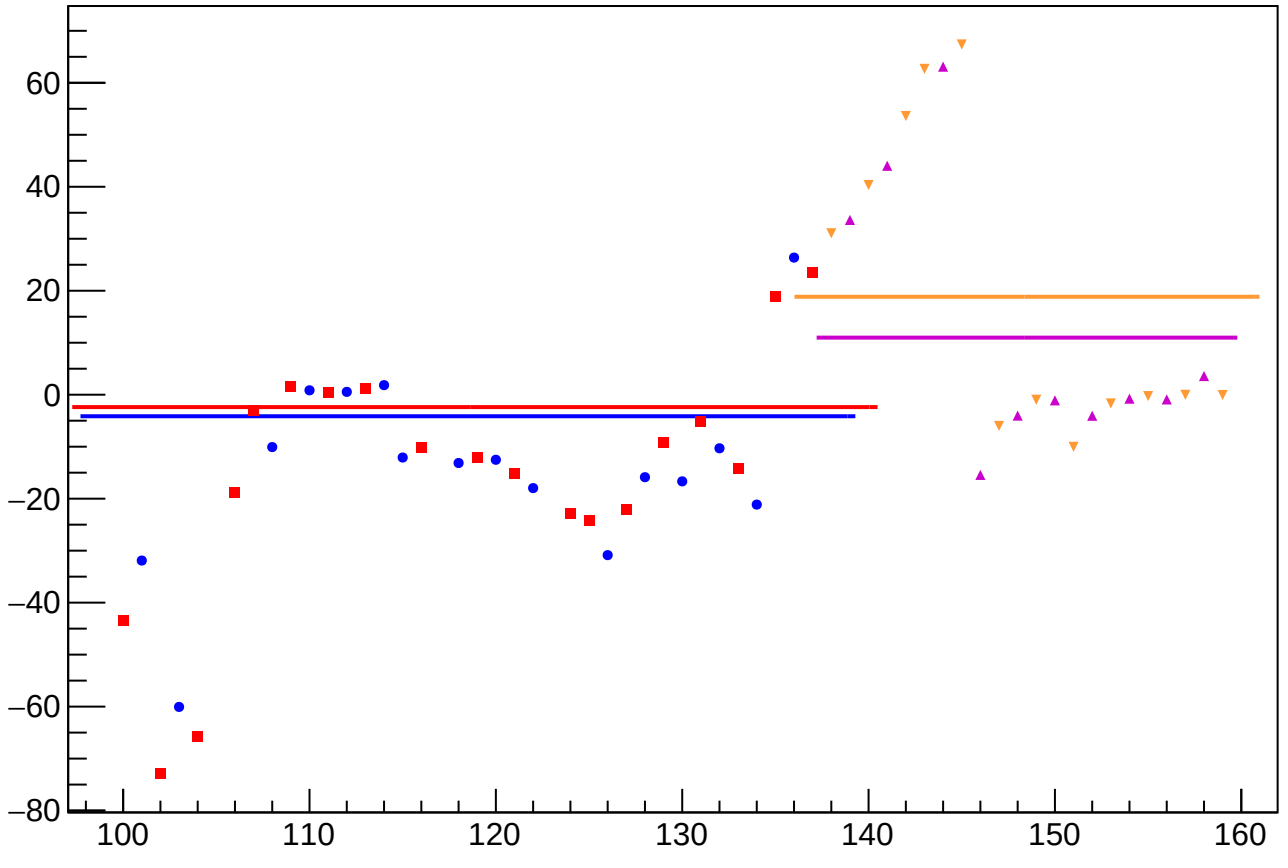
Left: 7.837+/-0.011 χ^2/NDF: 7785.6/20

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 2.876+/-0.013 χ^2/NDF:769194.0/25

Out: 3.606+/-0.013 χ^2/NDF:724273.5/28

All: 3.237+/-0.009 χ^2/NDF: 1494970.0/54



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 18.841+/-0.076 χ^2/NDF:107273.7/11

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 10.980+/-0.069 χ^2/NDF:98833.6/9

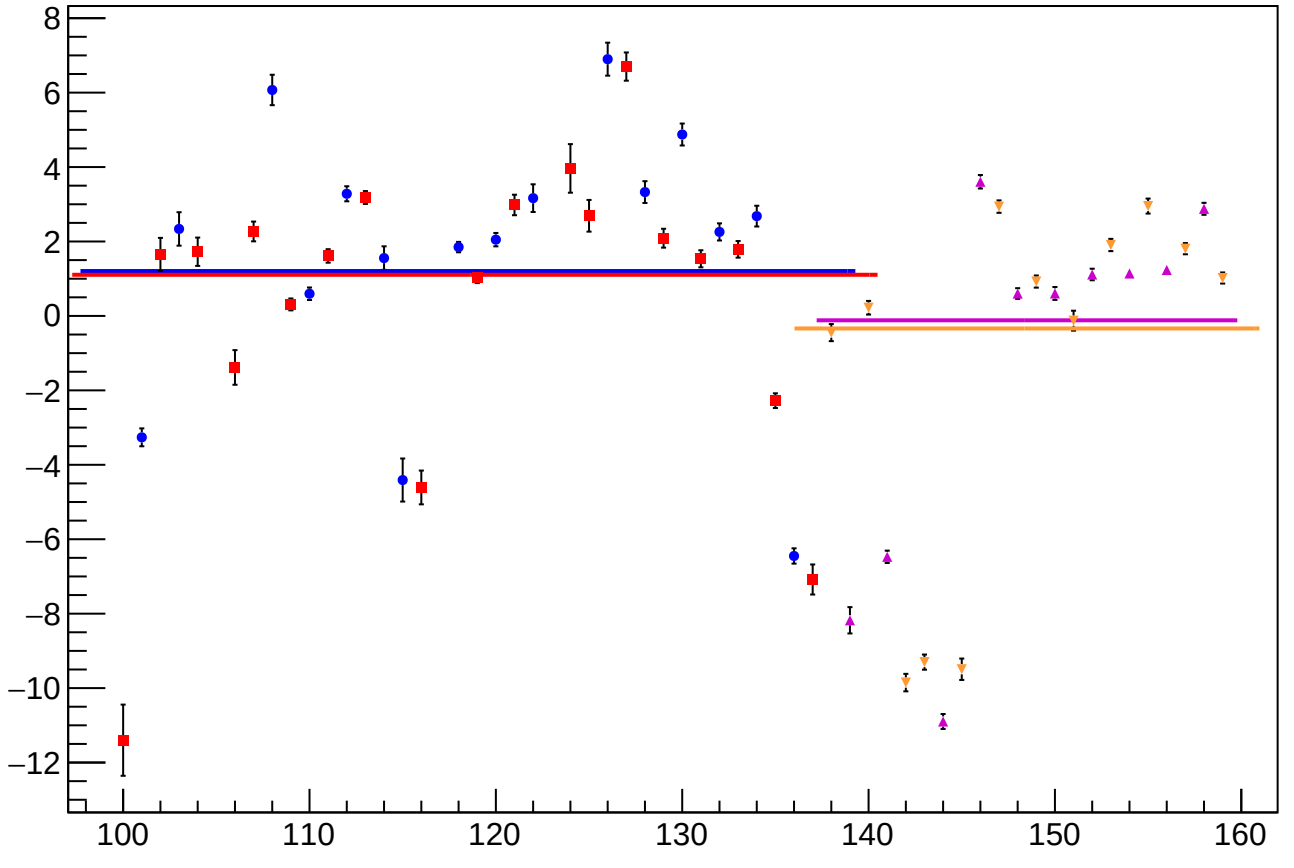
Left: 14.520+/-0.051 χ^2/NDF: 211947.2/21

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.685+/-0.043 χ^2/NDF:203590.5/25

Out: 3.303+/-0.039 χ^2/NDF:244712.5/30

All: 2.561+/-0.029 χ^2/NDF: 449074.1/56



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.337+/-0.054 χ^2/NDF:5781.8/11

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -0.118+/-0.048 χ^2/NDF:6024.7/9

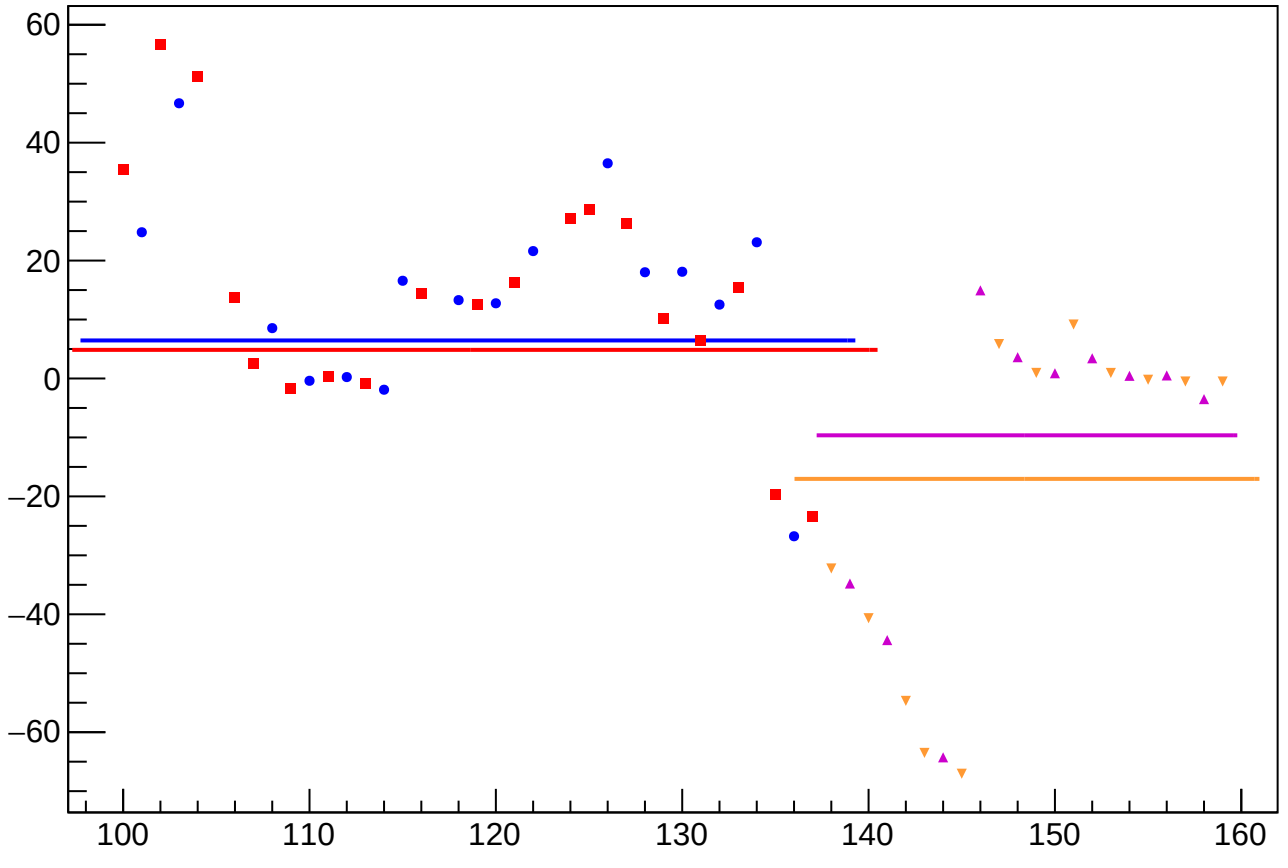
Left: -0.214+/-0.036 χ^2/NDF: 11815.6/21

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.395+/-0.038 χ^2/NDF:8903.2/25

Out: 0.346+/-0.039 χ^2/NDF:7704.0/30

All: 0.371+/-0.027 χ^2/NDF: 16608.0/56



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -17.030+/-0.074 χ^2/NDF:109411.6/11

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -9.640+/-0.066 χ^2/NDF:99877.0/9

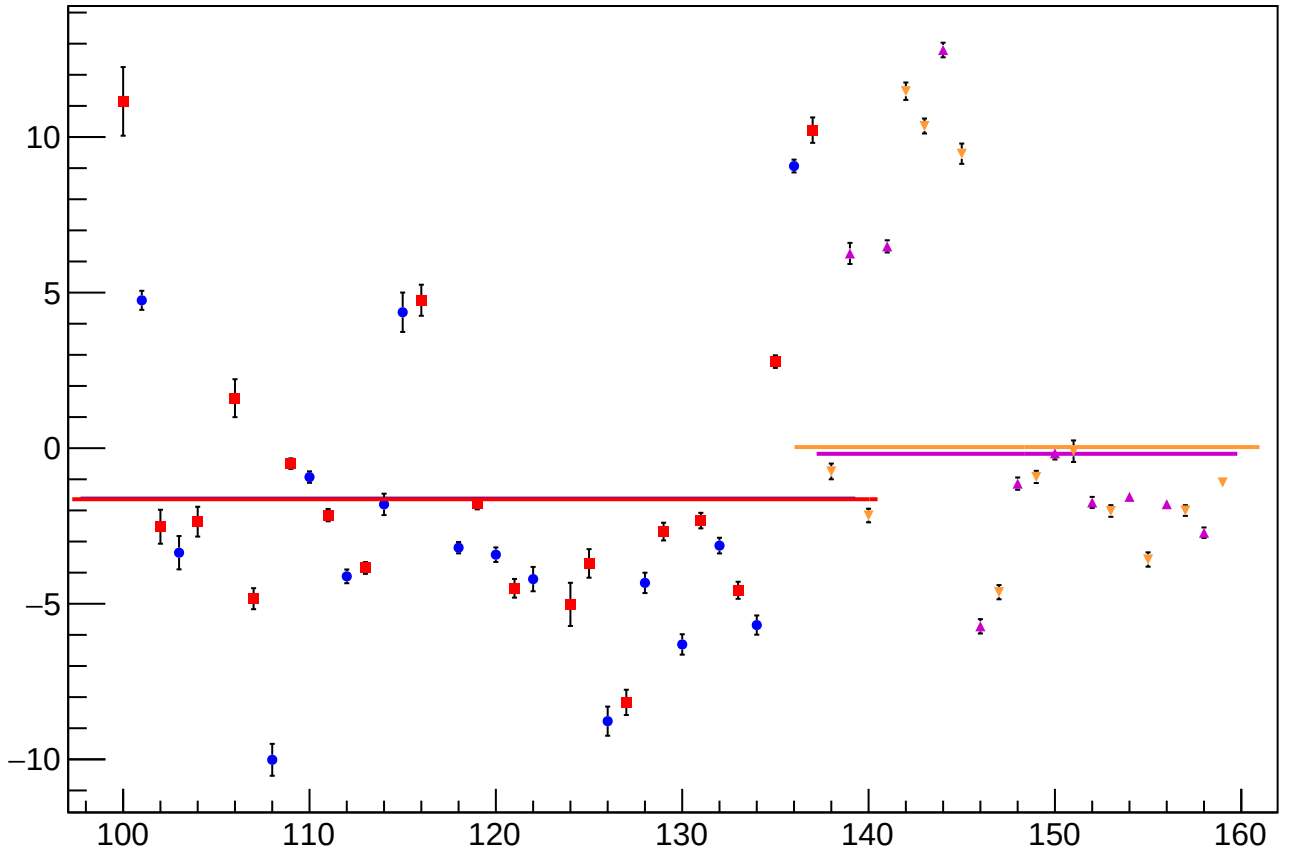
Left: -12.916+/-0.049 χ^2/NDF: 214853.7/21

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.503+/-0.046 χ^2/NDF:200655.1/25

Out: -3.690+/-0.046 χ^2/NDF:238111.6/30

All: -2.601+/-0.033 χ^2/NDF: 439883.7/56



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.036+/-0.063 χ^2/NDF:5465.4/11

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.181+/-0.056 χ^2/NDF:5746.9/9

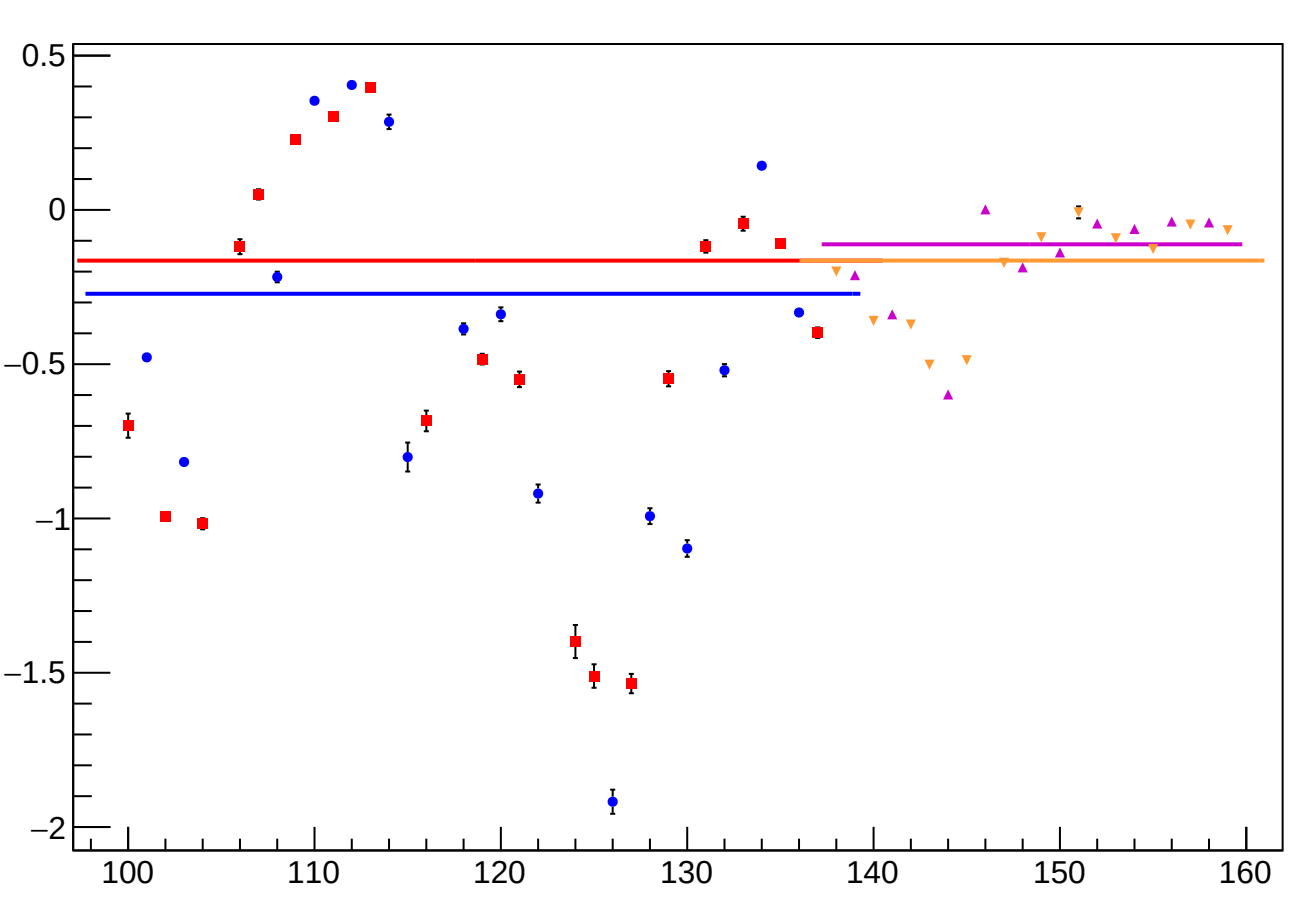
Left: -0.085+/-0.042 χ^2/NDF: 11218.9/21

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.746+/-0.044 χ^2/NDF:10532.8/25

Out: -0.784+/-0.045 χ^2/NDF:8271.8/30

All: -0.764+/-0.031 χ^2/NDF: 18805.0/56



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.164+/-0.003 χ^2/NDF:2707.5/11

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.112+/-0.002 χ^2/NDF:2908.3/9

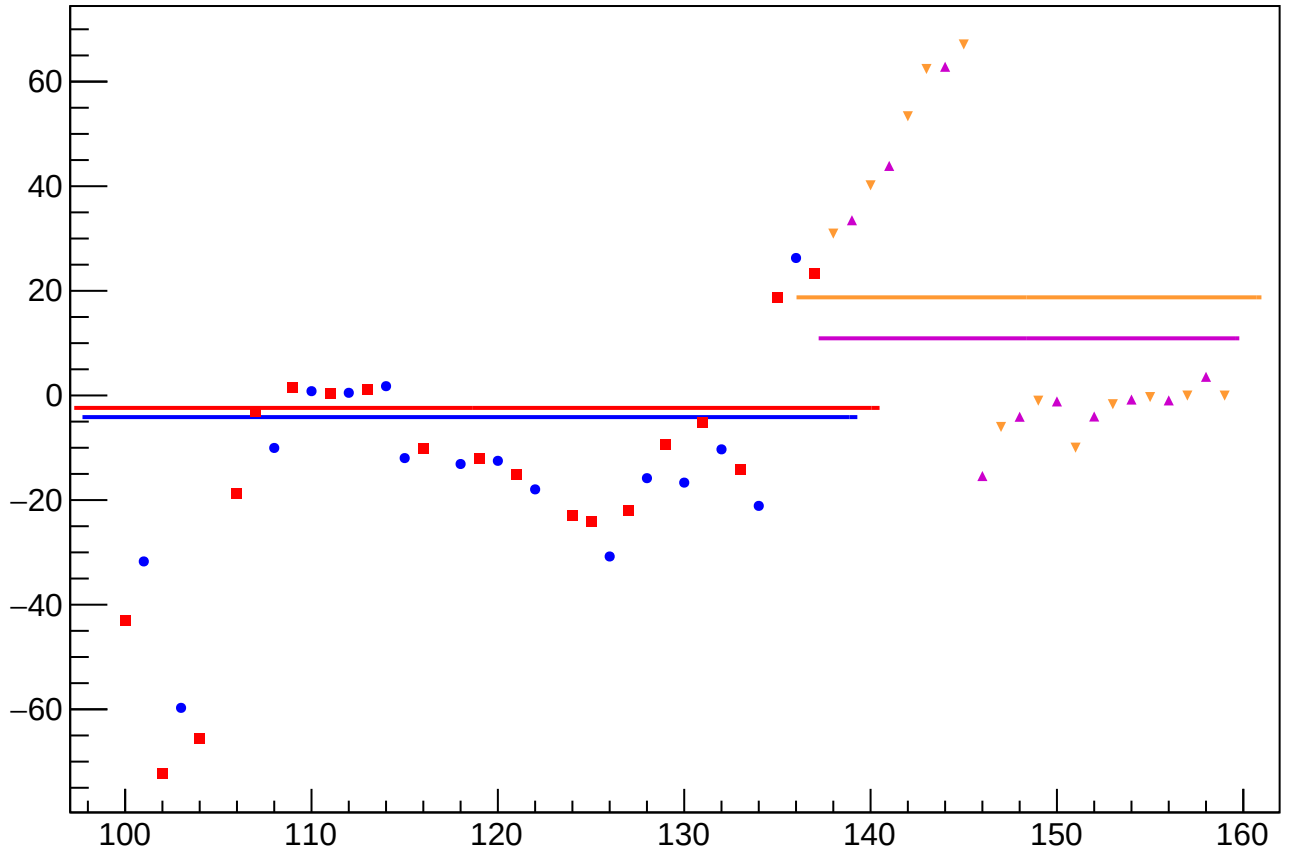
Left: -0.134+/-0.002 χ^2/NDF: 5827.8/21

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.150+/-0.002 χ^2/NDF:16084.0/25

Out: -0.164+/-0.002 χ^2/NDF:18204.5/30

All: -0.157+/-0.002 χ^2/NDF: 34309.8/56



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 18.756+/-0.076 χ^2/NDF:107137.8/11

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 10.922+/-0.069 χ^2/NDF:98792.6/9

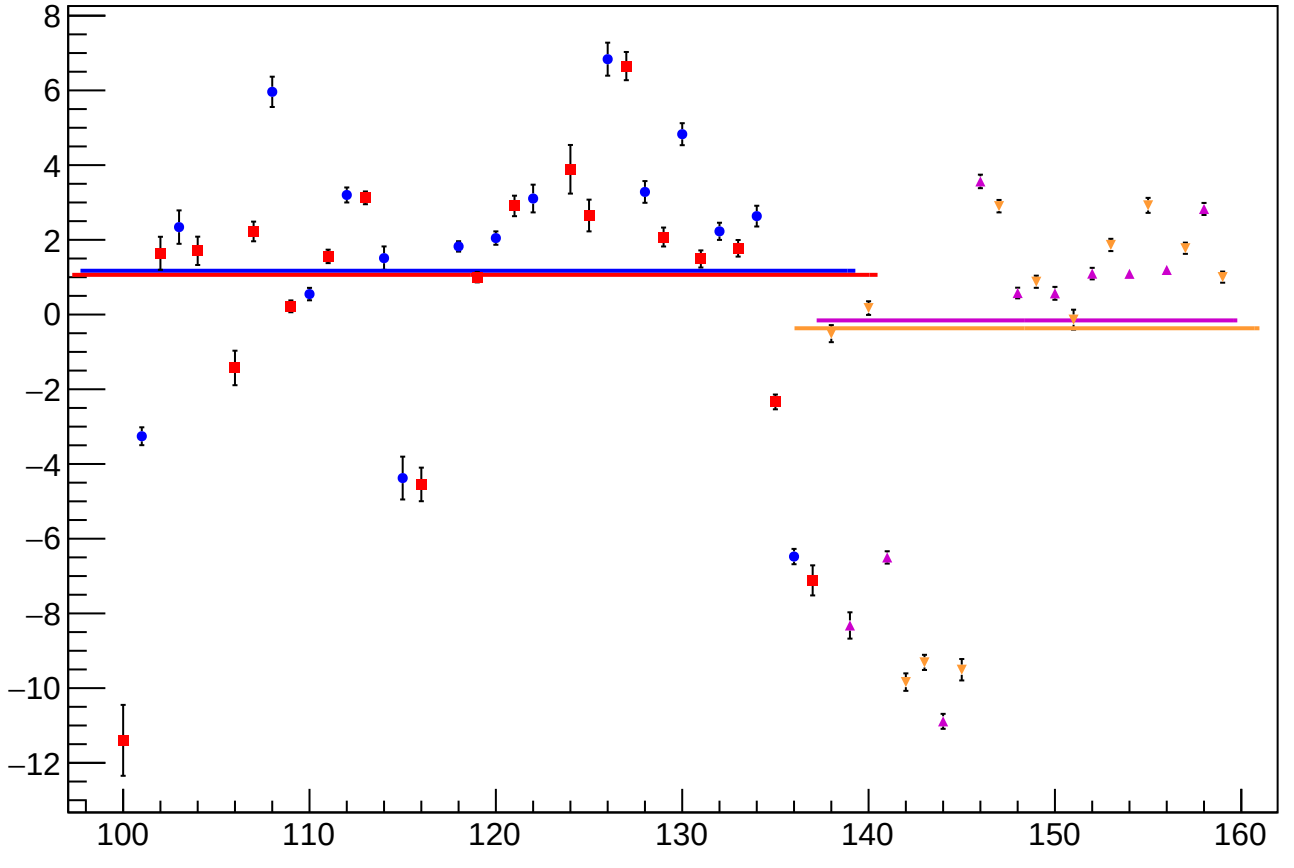
Left: 14.452+/-0.051 χ^2/NDF: 211765.5/21

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.642+/-0.043 χ^2/NDF:203513.0/25

Out: 3.256+/-0.039 χ^2/NDF:244495.8/30

All: 2.516+/-0.029 χ^2/NDF: 448783.8/56



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.367+/-0.054 χ^2/NDF:5790.0/11

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -0.157+/-0.048 χ^2/NDF:6042.2/9

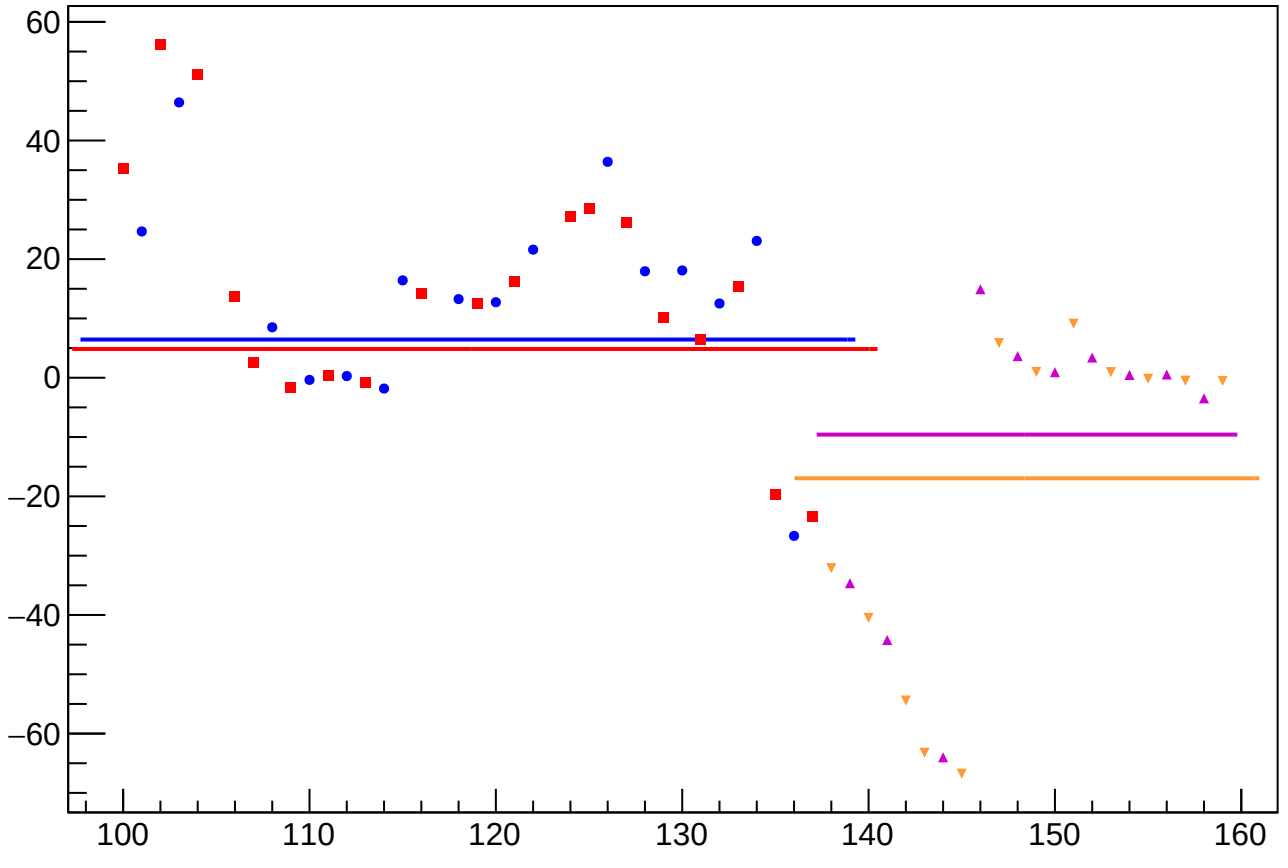
Left: -0.249+/-0.036 χ^2/NDF: 11840.8/21

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.359+/-0.037 χ^2/NDF:8925.7/25

Out: 0.310+/-0.039 χ^2/NDF:7718.5/30

All: 0.336+/-0.027 χ^2/NDF: 16645.0/56



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -16.952+/-0.074 χ^2/NDF:109269.3/11

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -9.586+/-0.066 χ^2/NDF:99824.9/9

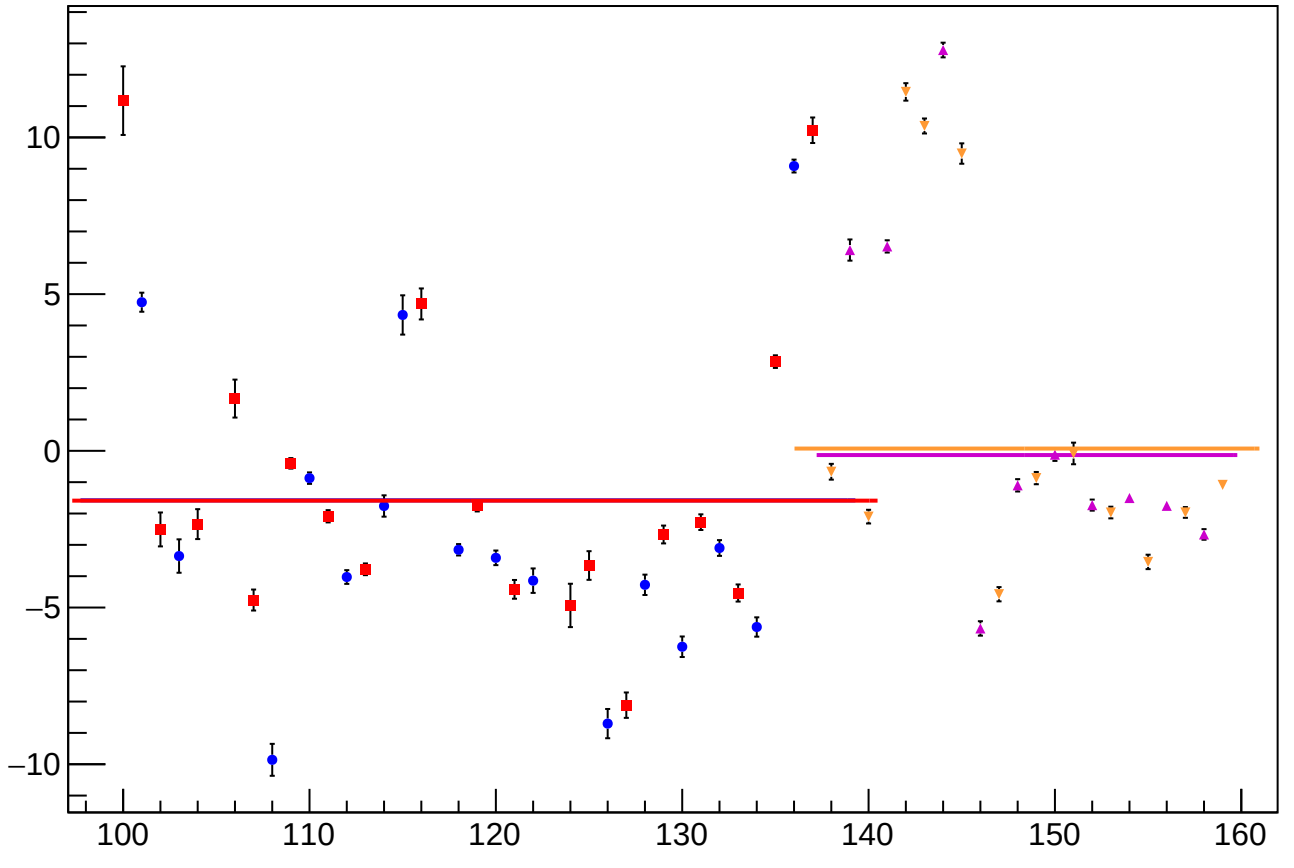
Left: -12.853+/-0.049 χ^2/NDF: 214655.3/21

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.459+/-0.046 χ^2/NDF:200564.2/25

Out: -3.638+/-0.046 χ^2/NDF:237898.5/30

All: -2.554+/-0.033 χ^2/NDF: 439581.4/56



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 0.073+/-0.063 χ^2/NDF:5468.4/11

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.135+/-0.056 χ^2/NDF:5764.1/9

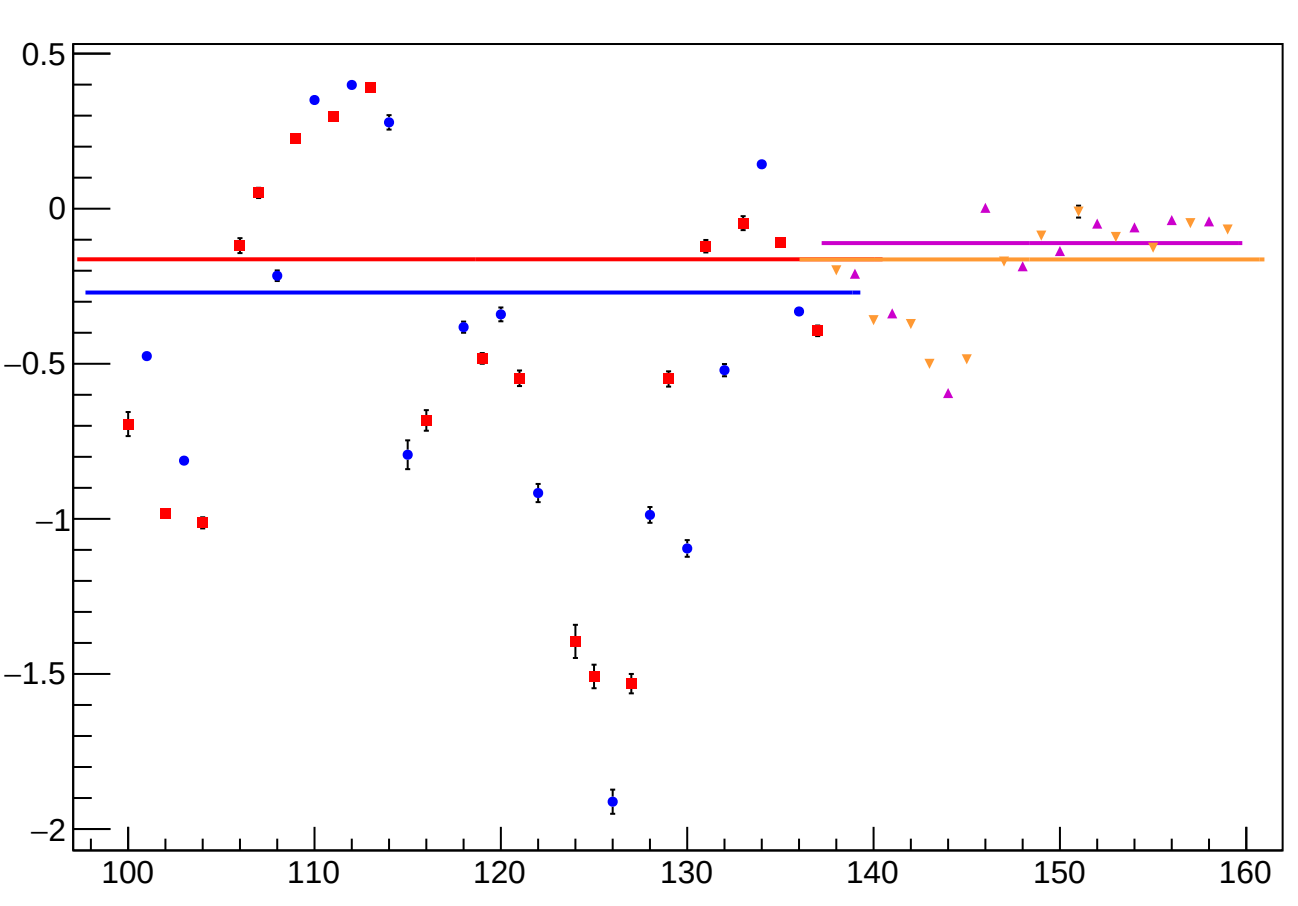
Left: -0.044+/-0.042 χ^2/NDF: 11238.6/21

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.703+/-0.043 χ^2/NDF:10552.7/25

Out: -0.742+/-0.045 χ^2/NDF:8281.8/30

All: -0.722+/-0.031 χ^2/NDF: 18834.9/56



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.164+/-0.003 χ^2/NDF:2717.3/11

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.111+/-0.002 χ^2/NDF:2894.5/9

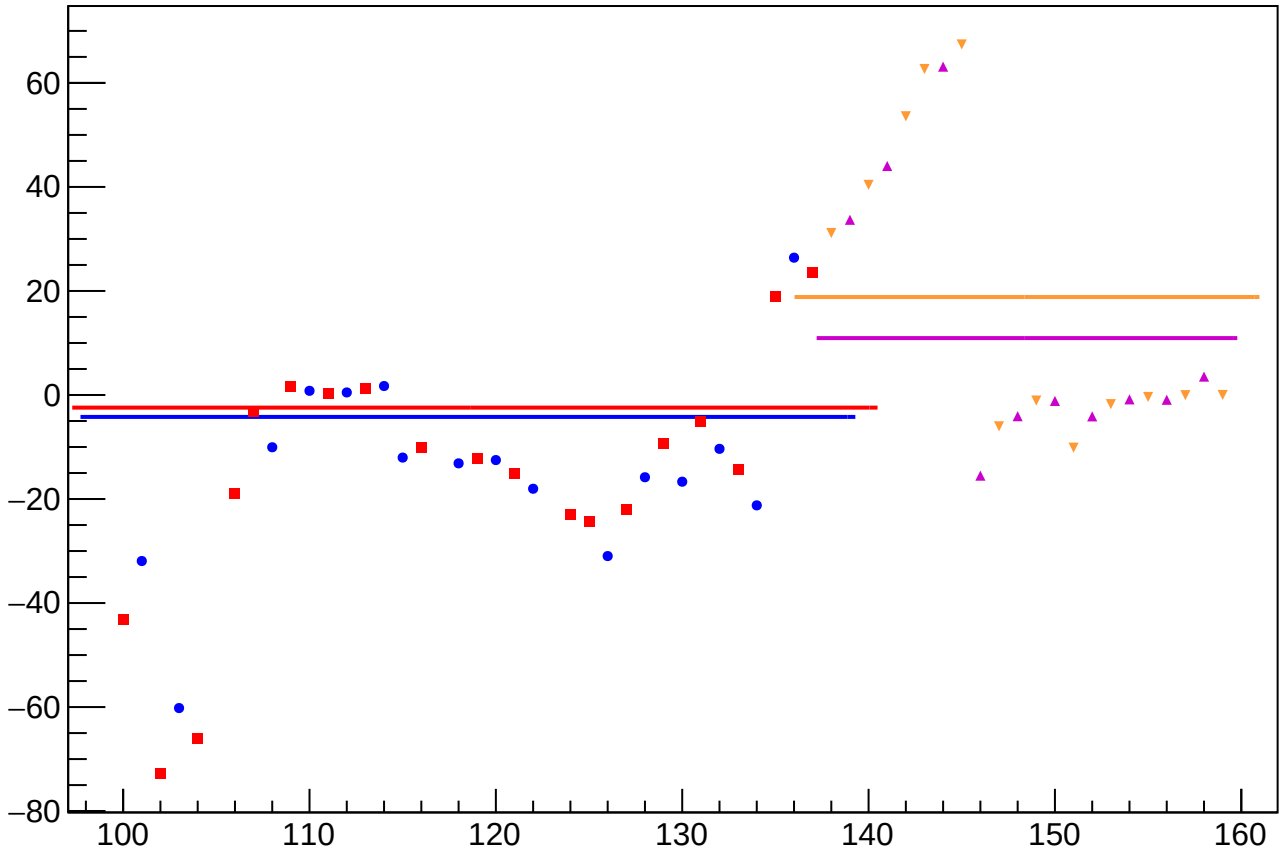
Left: -0.133+/-0.002 χ^2/NDF: 5825.5/21

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.150+/-0.002 χ^2/NDF:16056.8/25

Out: -0.163+/-0.002 χ^2/NDF:18227.4/30

All: -0.156+/-0.002 χ^2/NDF: 34305.3/56



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 18.836+/-0.076 χ^2/NDF:107363.7/11

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 10.939+/-0.069 χ^2/NDF:98936.2/9

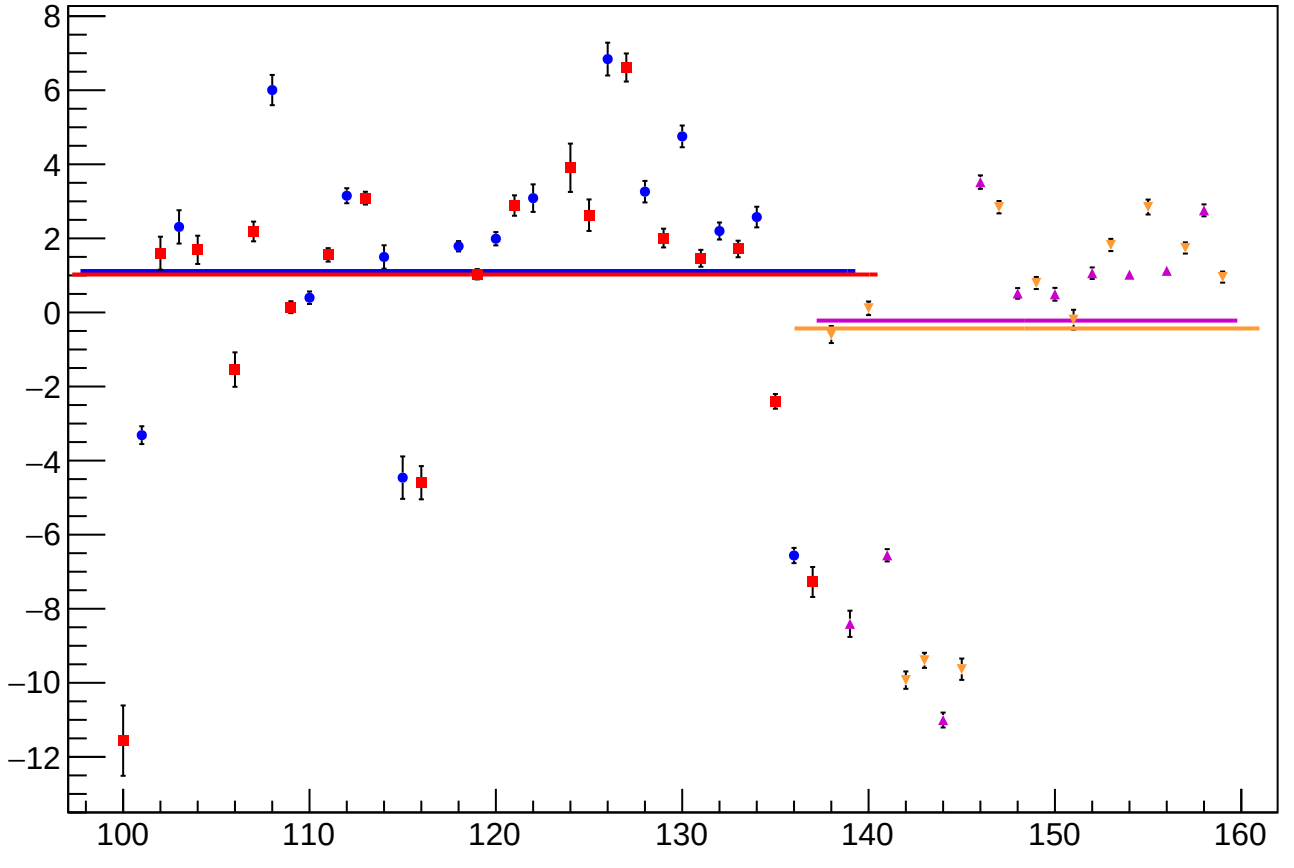
Left: 14.494+/-0.051 χ^2/NDF: 212180.7/21

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.625+/-0.043 χ^2/NDF:203715.3/25

Out: 3.267+/-0.040 χ^2/NDF:244867.8/30

All: 2.514+/-0.029 χ^2/NDF: 449376.0/56



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.432+/-0.054 χ^2/NDF:5783.8/11

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -0.220+/-0.048 χ^2/NDF:6022.3/9

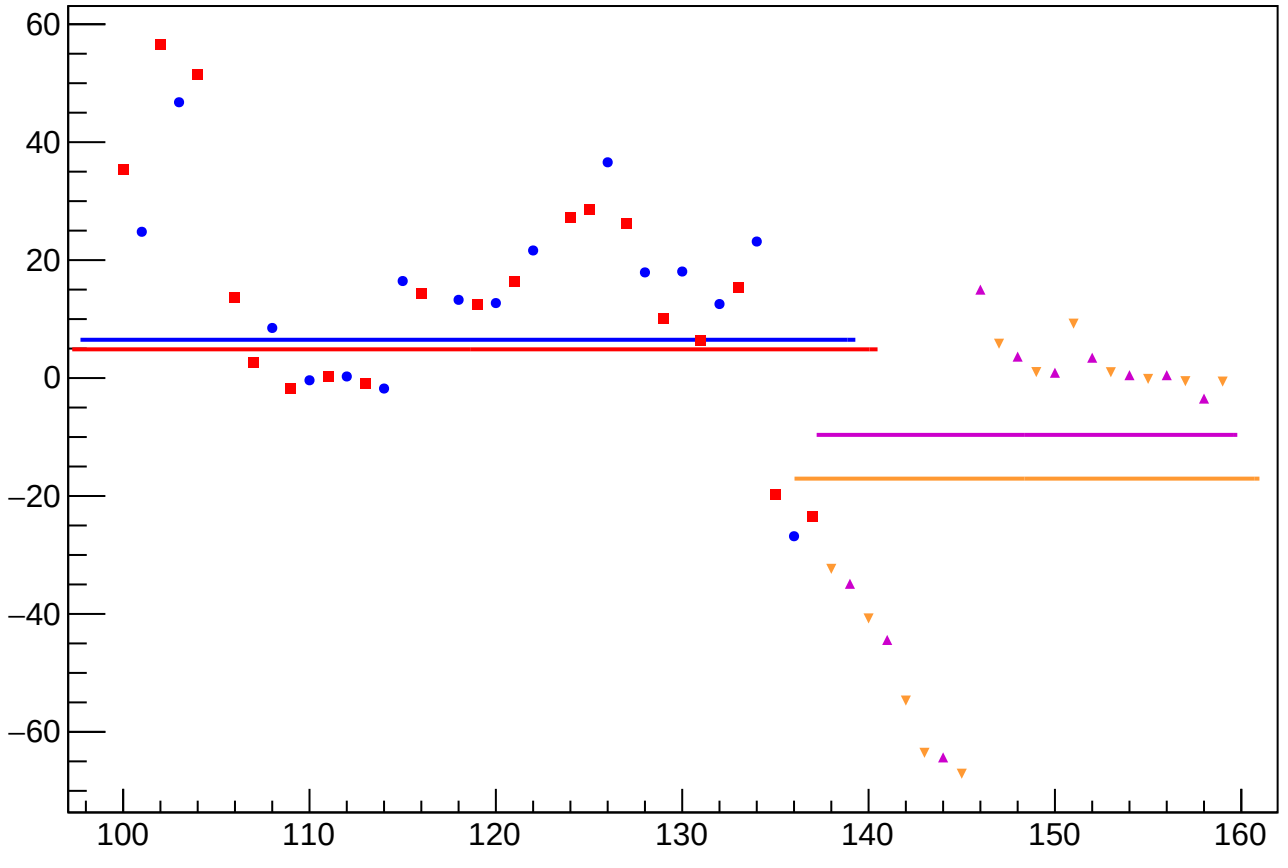
Left: -0.313+/-0.036 χ^2/NDF: 11814.8/21

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.299+/-0.038 χ^2/NDF:8914.3/25

Out: 0.257+/-0.039 χ^2/NDF:7737.0/30

All: 0.279+/-0.027 χ^2/NDF: 16651.8/56



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -17.055+/-0.074 χ^2/NDF:109517.1/11

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -9.635+/-0.066 χ^2/NDF:99971.5/9

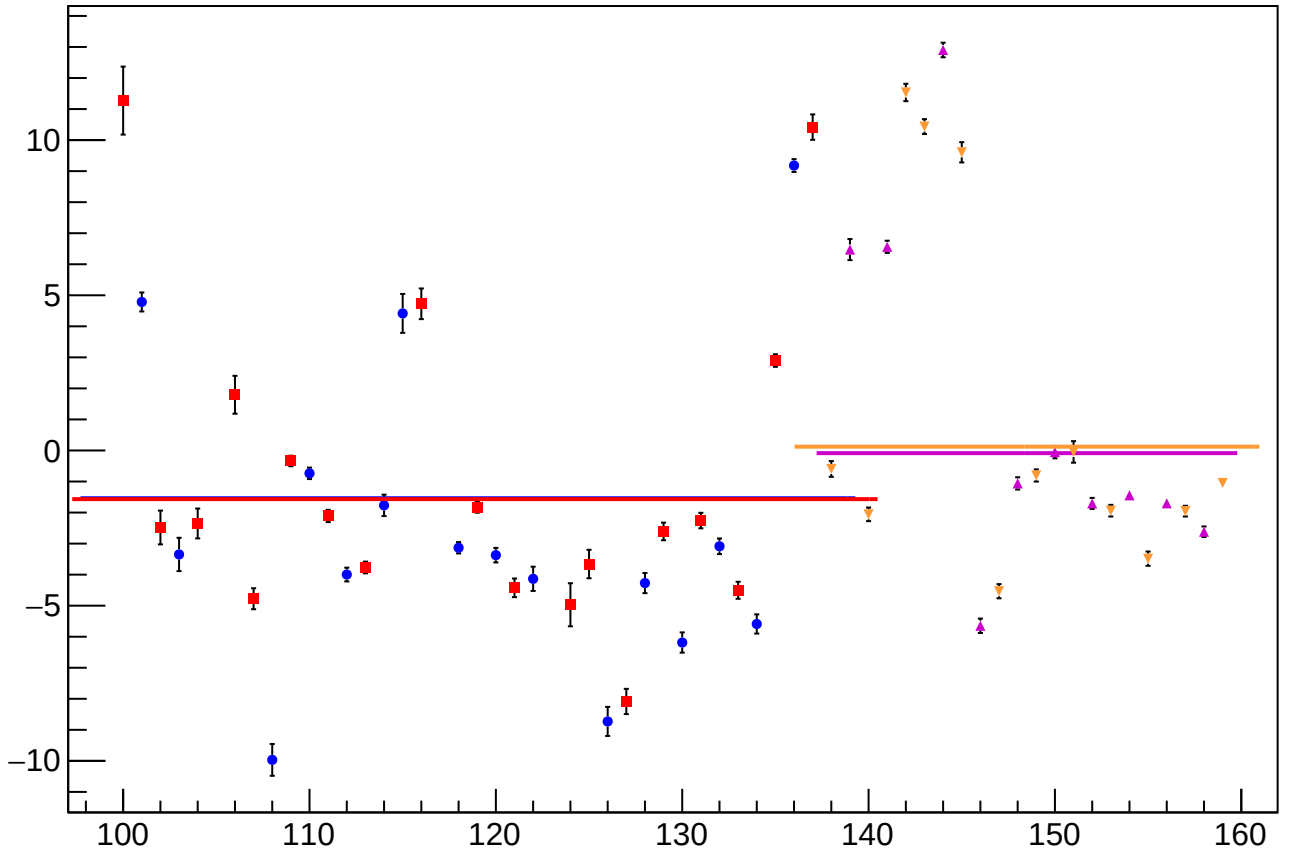
Left: -12.923+/-0.049 χ^2/NDF: 215088.4/21

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.476+/-0.046 χ^2/NDF:200800.8/25

Out: -3.687+/-0.046 χ^2/NDF:238310.4/30

All: -2.585+/-0.033 χ^2/NDF: 440250.7/56



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 0.123+/-0.063 χ^2/NDF:5463.3/11

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.086+/-0.056 χ^2/NDF:5751.2/9

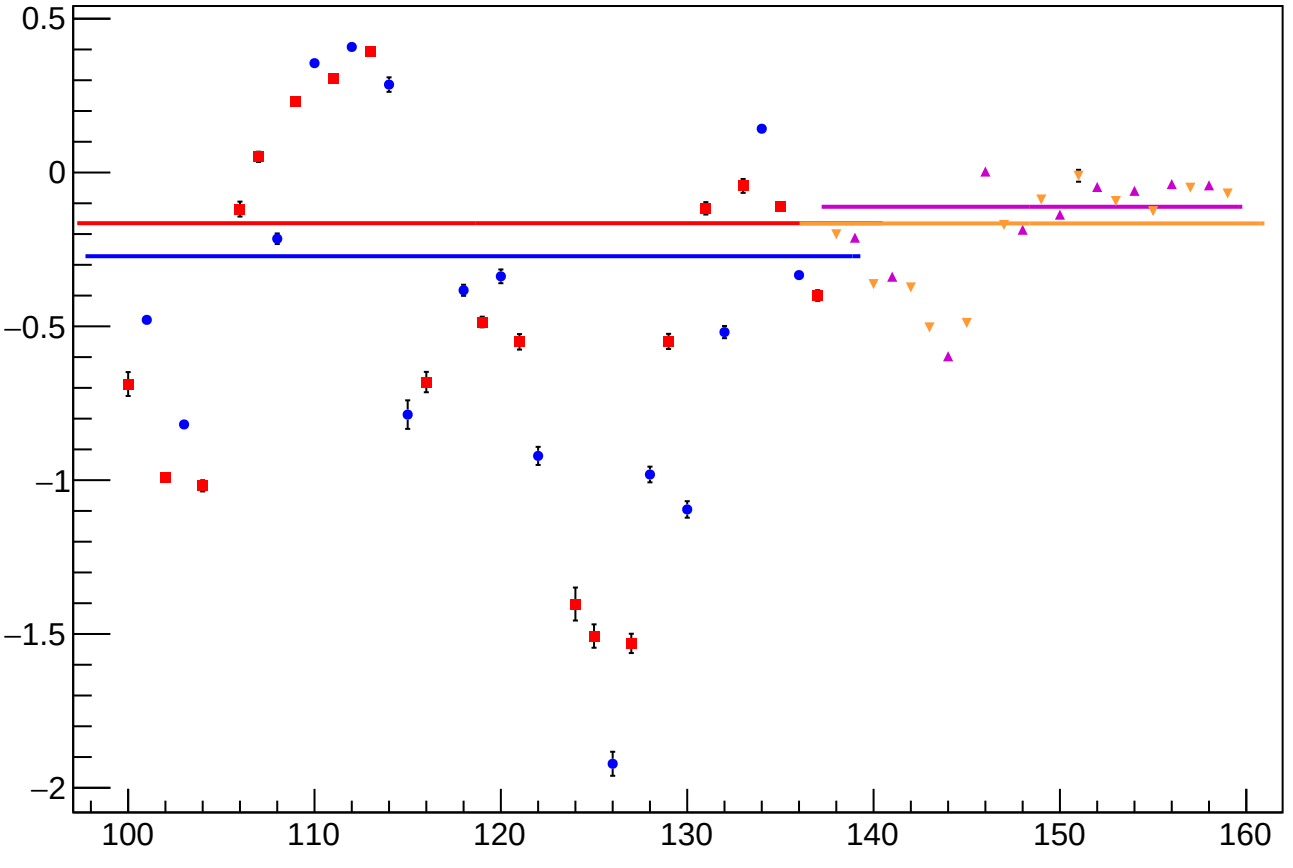
Left: 0.006+/-0.042 χ^2/NDF: 11220.6/21

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.657+/-0.044 χ^2/NDF:10552.5/25

Out: -0.704+/-0.045 χ^2/NDF:8309.9/30

All: -0.680+/-0.031 χ^2/NDF: 18863.0/56



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.165+/-0.003 χ^2/NDF:2714.9/11

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.111+/-0.002 χ^2/NDF:2900.6/9

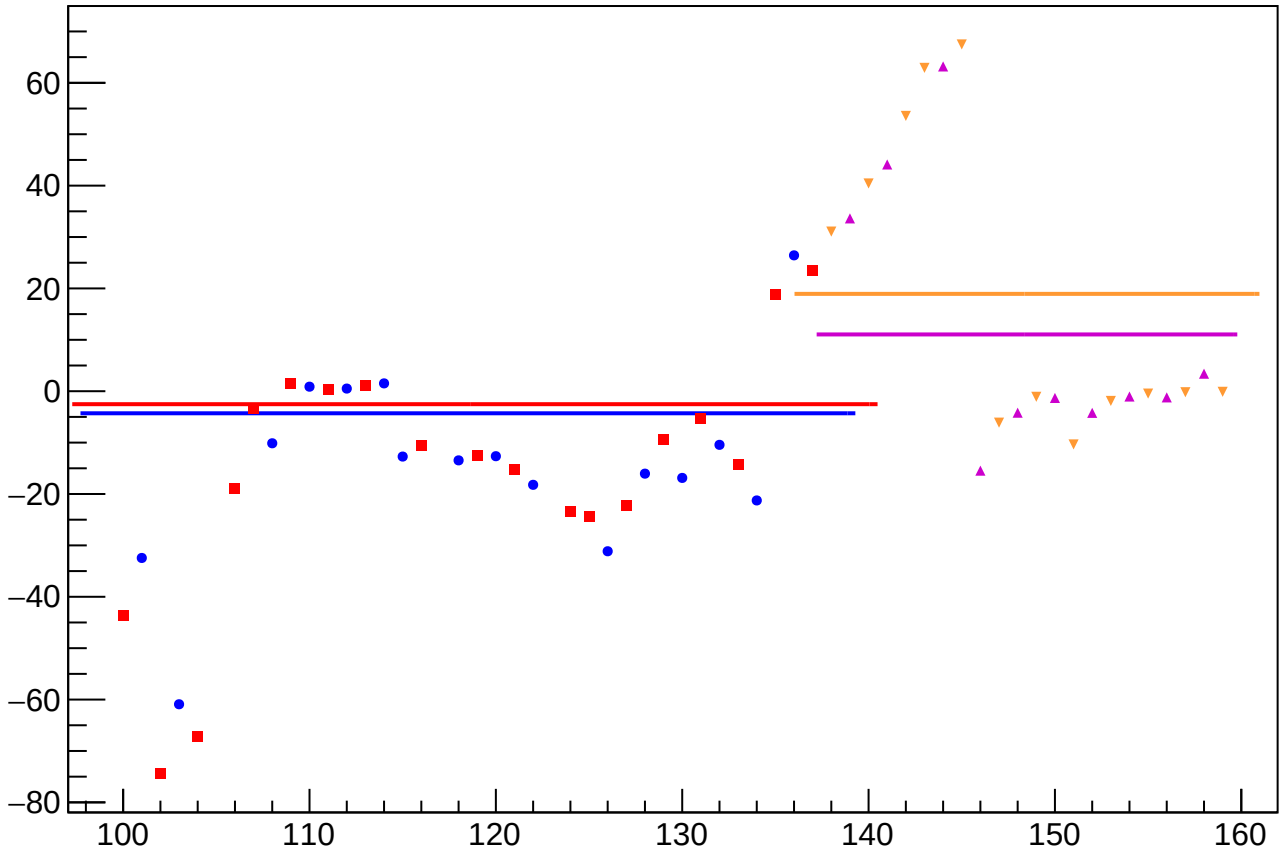
Left: -0.134+/-0.002 χ^2/NDF: 5839.5/21

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.150+/-0.002 χ^2/NDF:16098.2/25

Out: -0.165+/-0.002 χ^2/NDF:18205.4/30

All: -0.157+/-0.002 χ^2/NDF: 34328.3/56



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 18.940+/-0.077 χ^2/NDF:105670.9/11

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 11.046+/-0.070 χ^2/NDF:97207.6/9

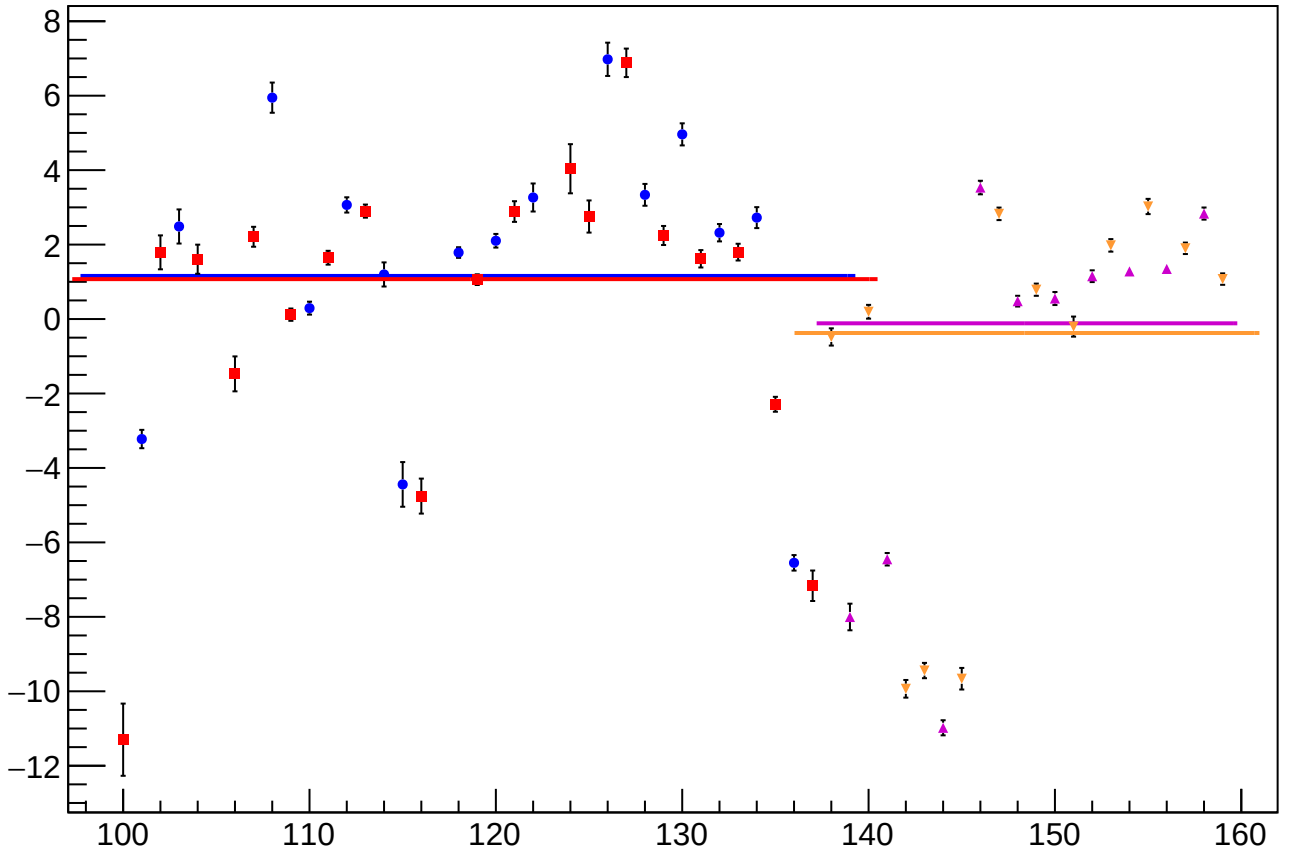
Left: 14.626+/-0.052 χ^2/NDF: 208568.3/21

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.607+/-0.044 χ^2/NDF:200579.7/25

Out: 3.303+/-0.040 χ^2/NDF:241630.8/30

All: 2.524+/-0.030 χ^2/NDF: 443023.8/56



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.375+/-0.055 χ^2/NDF:5789.5/11

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -0.115+/-0.049 χ^2/NDF:5922.3/9

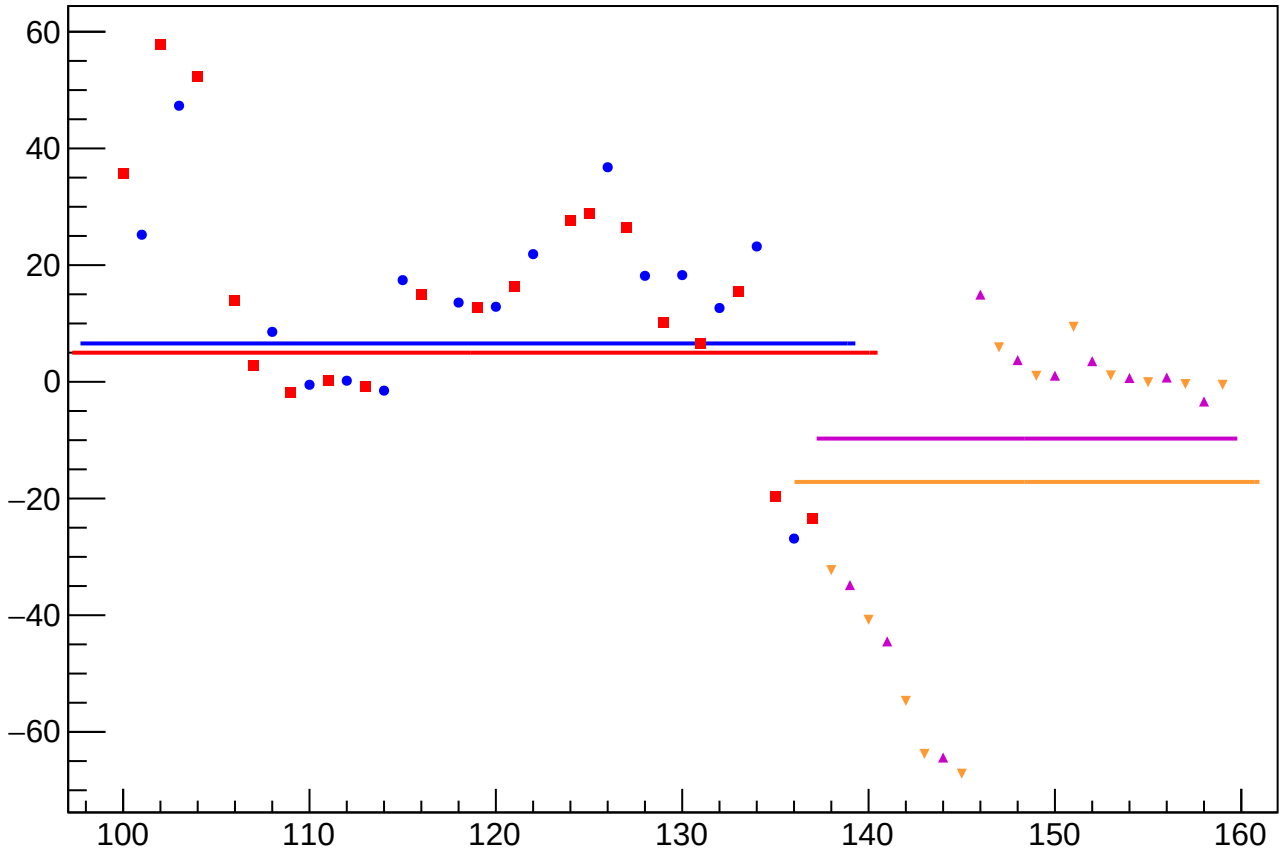
Left: -0.230+/-0.037 χ^2/NDF: 11724.2/21

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.380+/-0.038 χ^2/NDF:8733.8/25

Out: 0.306+/-0.040 χ^2/NDF:7666.6/30

All: 0.344+/-0.028 χ^2/NDF: 16402.2/56



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -17.158+/-0.075 χ^2/NDF:107772.2/11

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -9.727+/-0.067 χ^2/NDF:98240.3/9

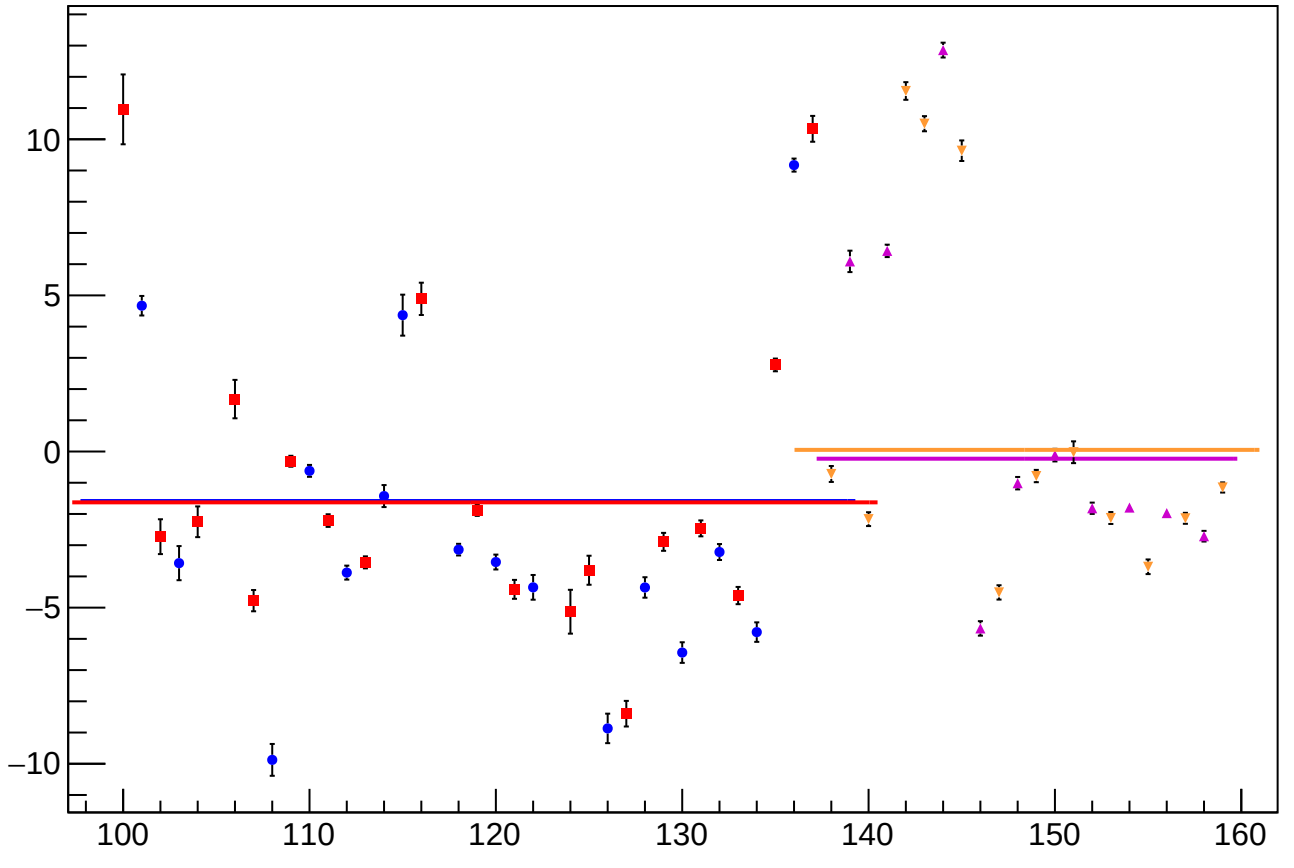
Left: -13.045+/-0.050 χ^2/NDF: 211444.0/21

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.456+/-0.047 χ^2/NDF:197686.5/25

Out: -3.724+/-0.047 χ^2/NDF:235119.2/30

All: -2.596+/-0.033 χ^2/NDF: 433962.0/56



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 0.053+/-0.064 χ^2/NDF:5475.8/11

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.230+/-0.057 χ^2/NDF:5673.2/9

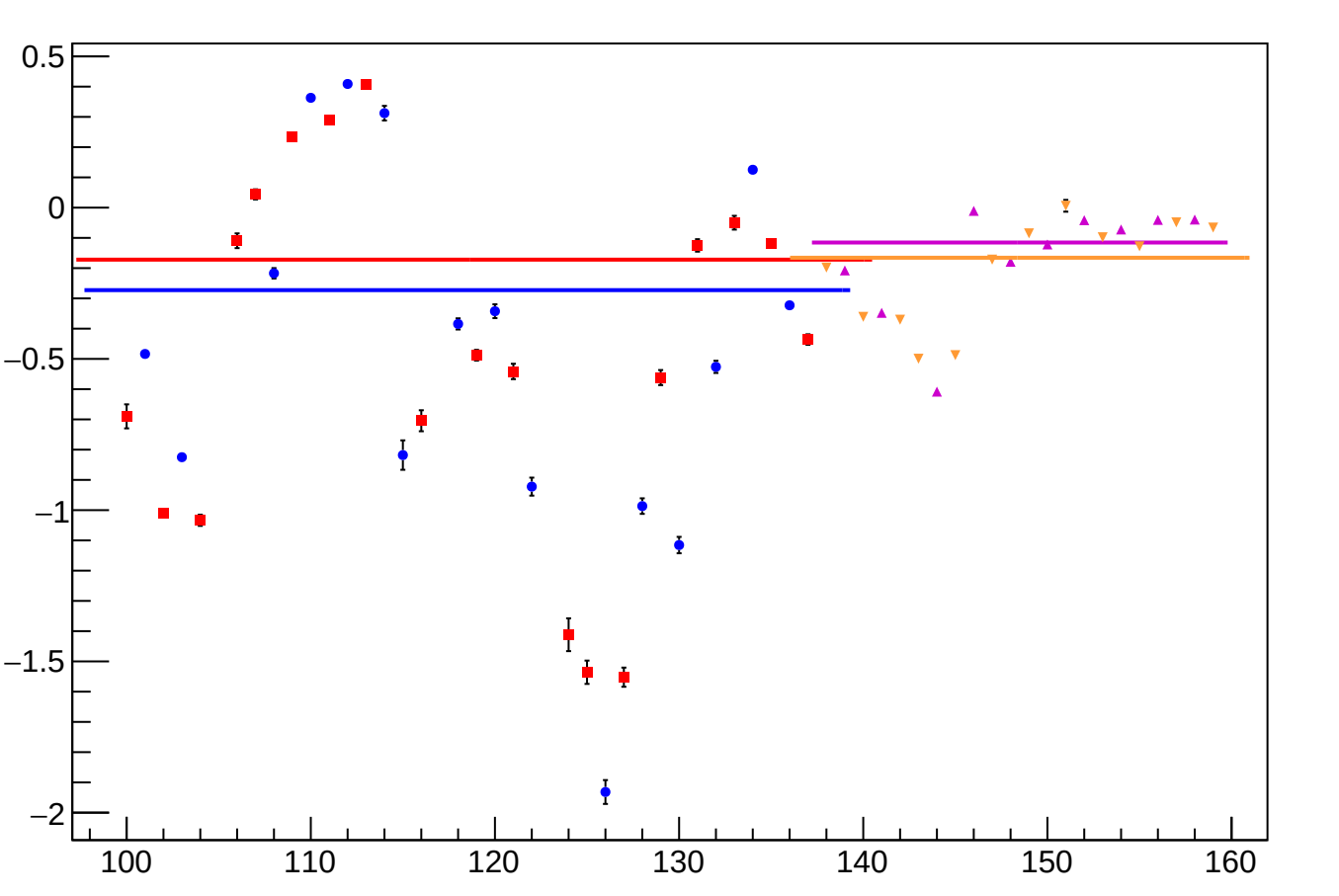
Left: -0.105+/-0.043 χ^2/NDF: 11159.9/21

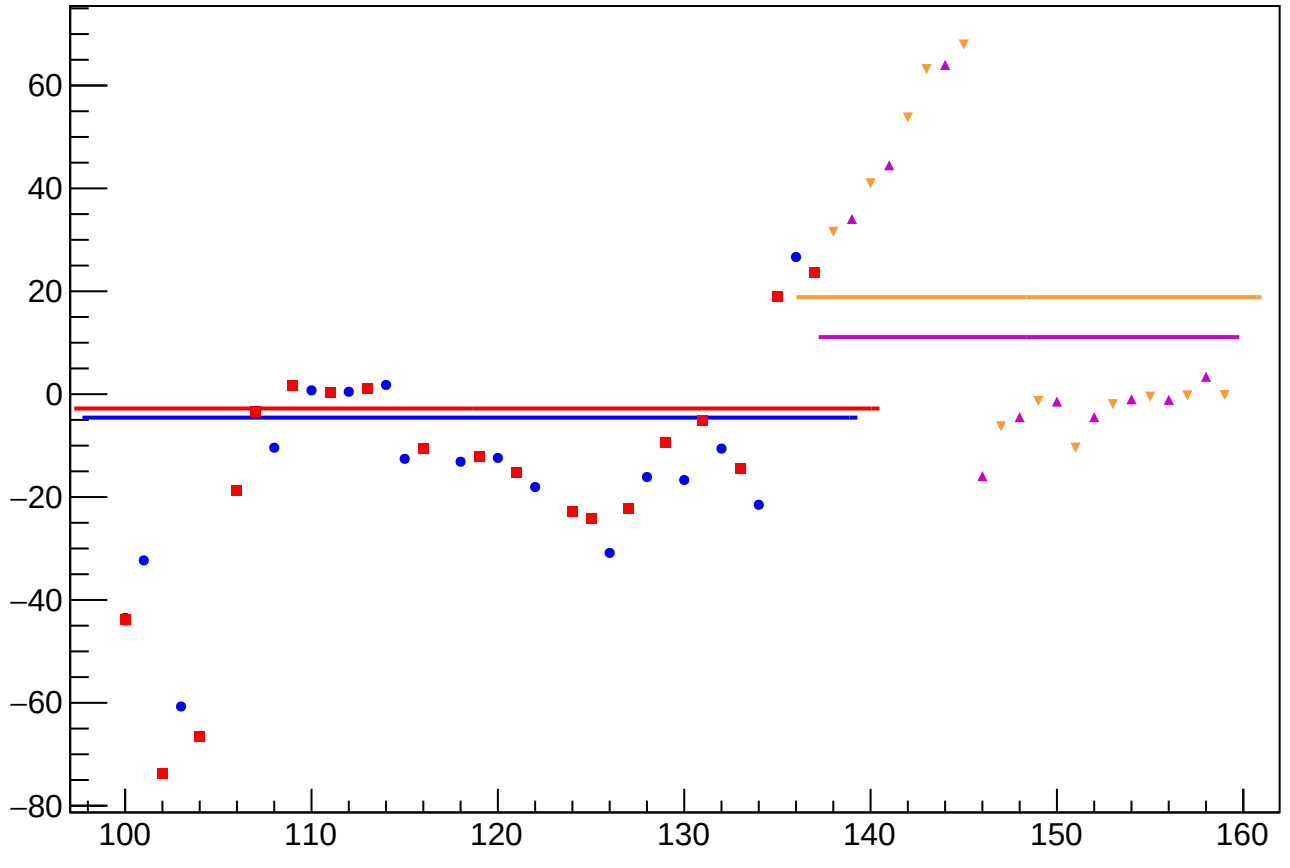
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.765+/-0.044 χ^2/NDF:10367.9/25

Out: -0.766+/-0.046 χ^2/NDF:8232.5/30

All: -0.765+/-0.032 χ^2/NDF: 18600.4/56


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -0.273+/-0.004 χ²/NDF: 11856.3/15
Left Out: -0.166+/-0.003 χ²/NDF:2628.4/11
Right Out: -0.172+/-0.004 χ²/NDF: 15322.3/18
Left In: -0.115+/-0.002 χ²/NDF:2850.4/9
Left: -0.137+/-0.002 χ²/NDF: 5664.9/21
Right: -0.218+/-0.003 χ²/NDF: 27488.4/34
In: -0.154+/-0.002 χ²/NDF:15756.1/25
Out: -0.168+/-0.002 χ²/NDF:17952.5/30
All: -0.160+/-0.002 χ²/NDF: 33729.3/56



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 18.858+/-0.078 χ^2/NDF:104816.2/11

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 11.094+/-0.072 χ^2/NDF:96157.2/9

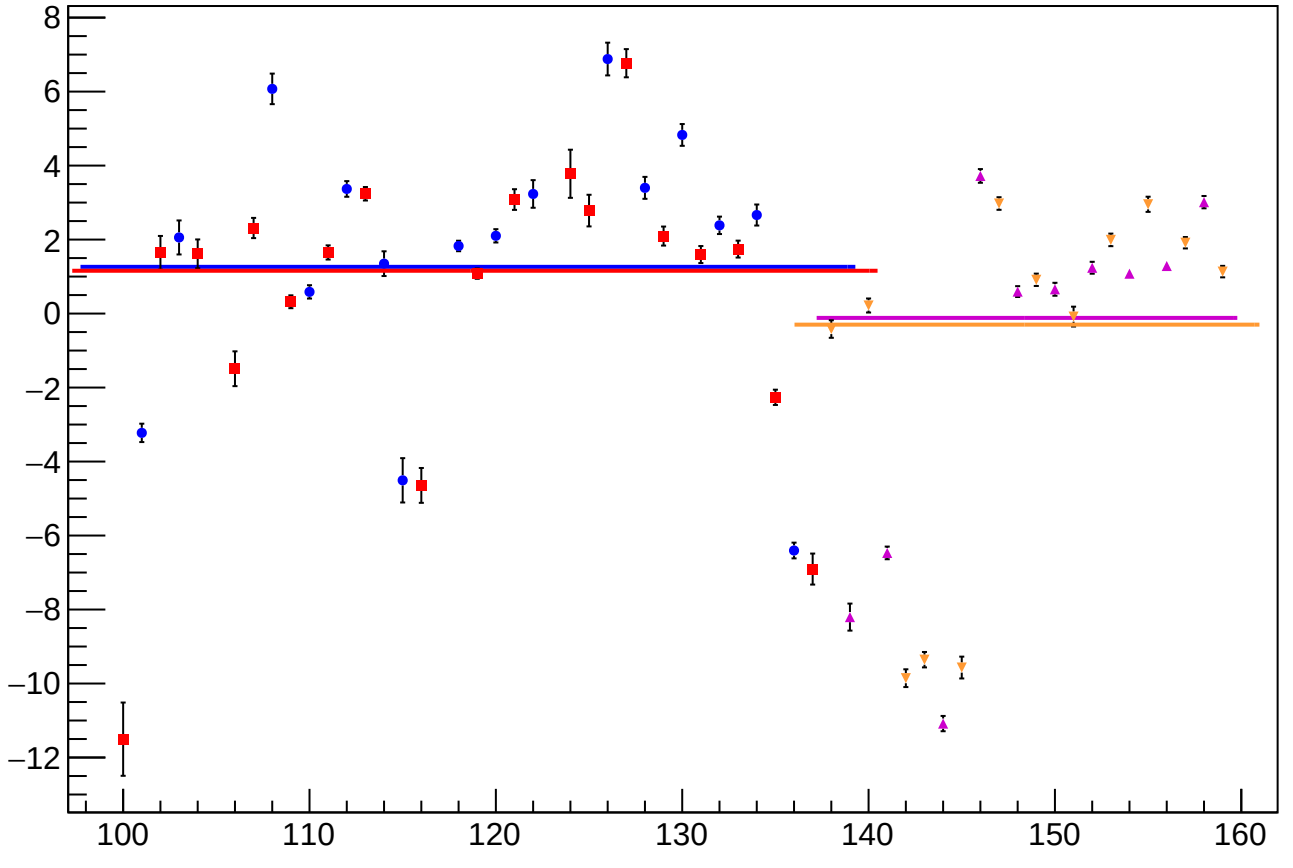
Left: 14.632+/-0.053 χ^2/NDF: 206310.6/21

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.473+/-0.045 χ^2/NDF:198045.3/25

Out: 3.209+/-0.041 χ^2/NDF:237791.5/30

All: 2.407+/-0.030 χ^2/NDF: 436654.2/56



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.299+/-0.056 χ^2/NDF:5609.4/11

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -0.117+/-0.050 χ^2/NDF:5835.9/9

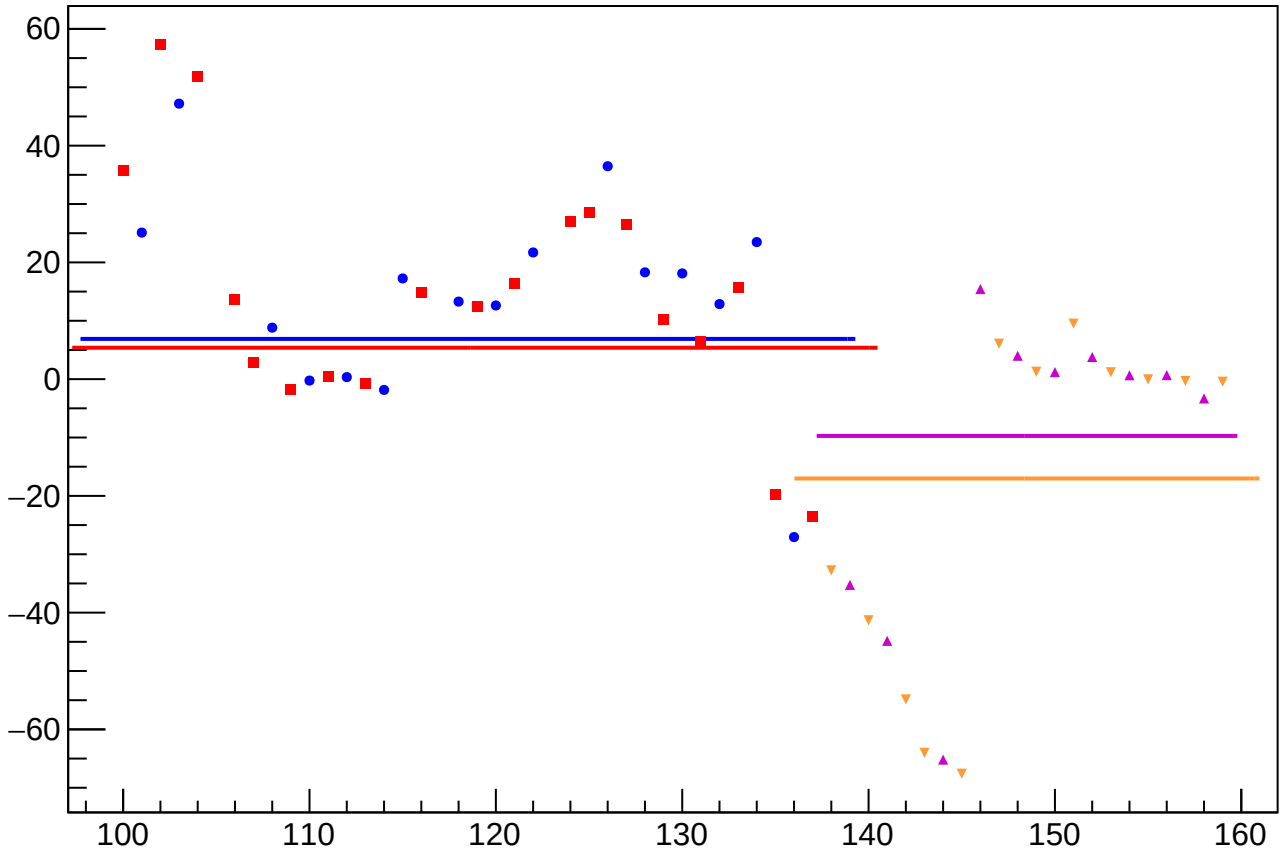
Left: -0.198+/-0.037 χ^2/NDF: 11451.3/21

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.425+/-0.039 χ^2/NDF:8580.3/25

Out: 0.385+/-0.041 χ^2/NDF:7422.0/30

All: 0.406+/-0.028 χ^2/NDF: 16002.8/56



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -17.018+/-0.076 χ^2/NDF:106770.1/11

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -9.725+/-0.069 χ^2/NDF:97142.2/9

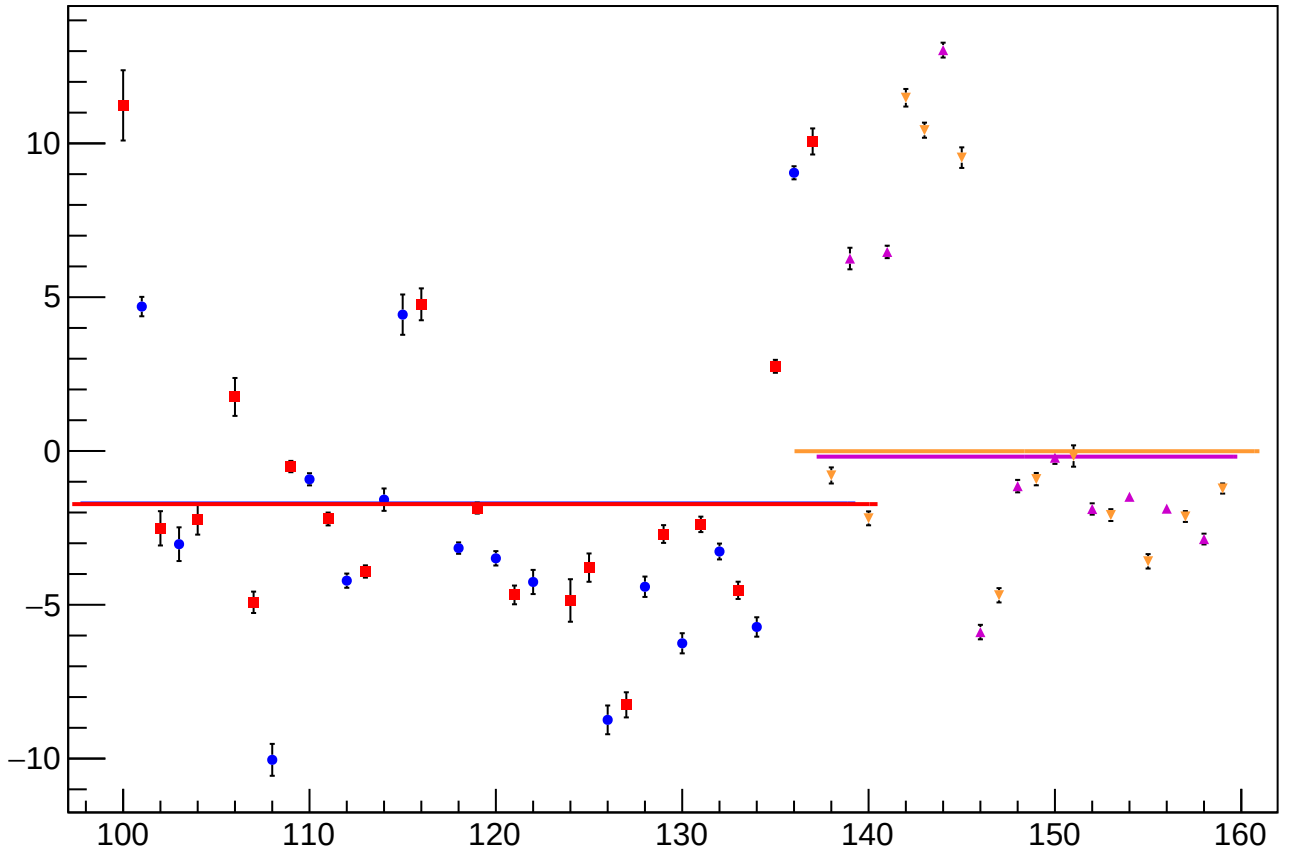
Left: -12.999+/-0.051 χ^2/NDF: 208989.2/21

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.267+/-0.048 χ^2/NDF:195082.4/25

Out: -3.518+/-0.048 χ^2/NDF:231385.2/30

All: -2.397+/-0.034 χ^2/NDF: 427569.1/56



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.008+/-0.065 χ^2/NDF:5304.8/11

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.184+/-0.058 χ^2/NDF:5590.2/9

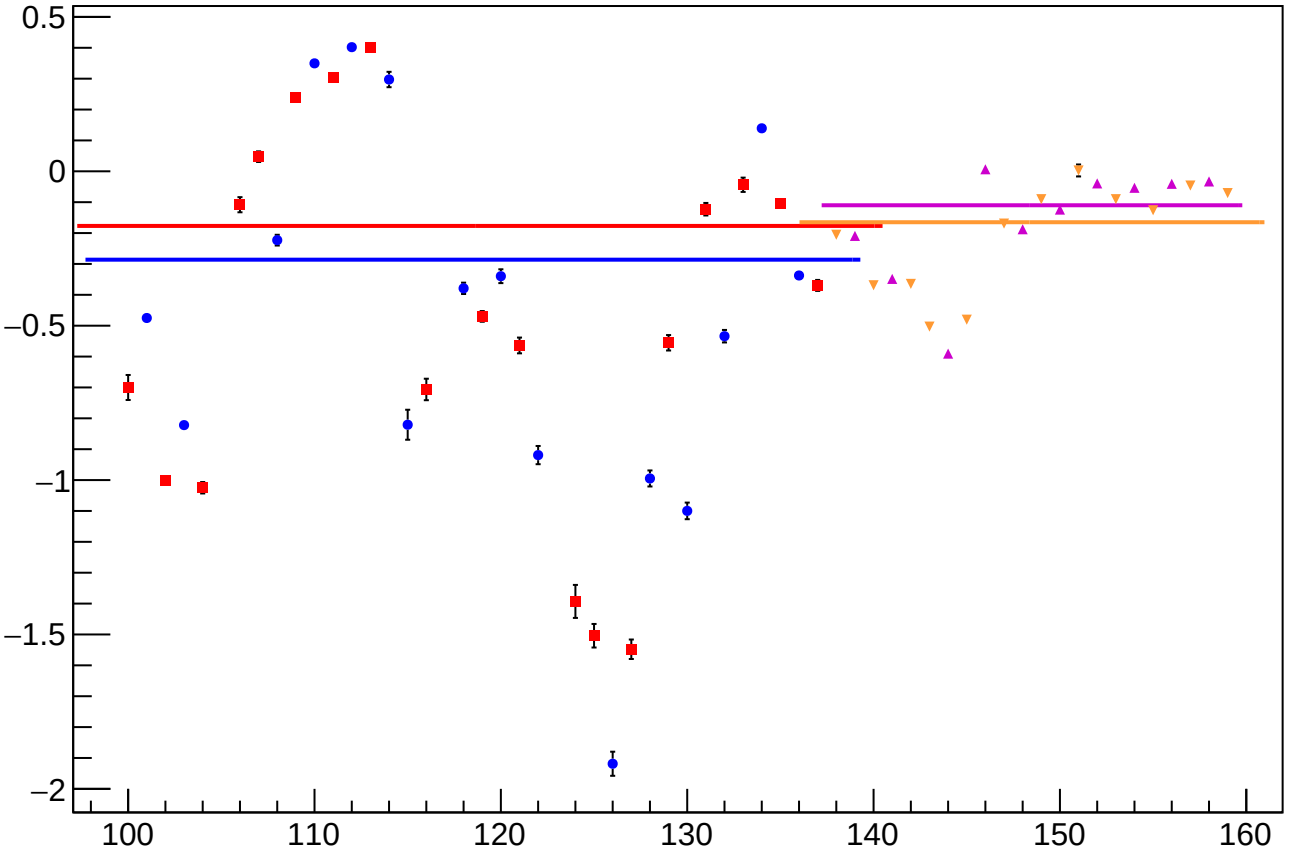
Left: -0.106+/-0.043 χ^2/NDF: 10899.1/21

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.790+/-0.045 χ^2/NDF:10153.0/25

Out: -0.842+/-0.047 χ^2/NDF:7955.1/30

All: -0.815+/-0.032 χ^2/NDF: 18108.8/56



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.165+/-0.003 χ^2/NDF:2588.5/11

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.110+/-0.002 χ^2/NDF:2775.1/9

Left: -0.133+/-0.002 χ^2/NDF: 5579.9/21

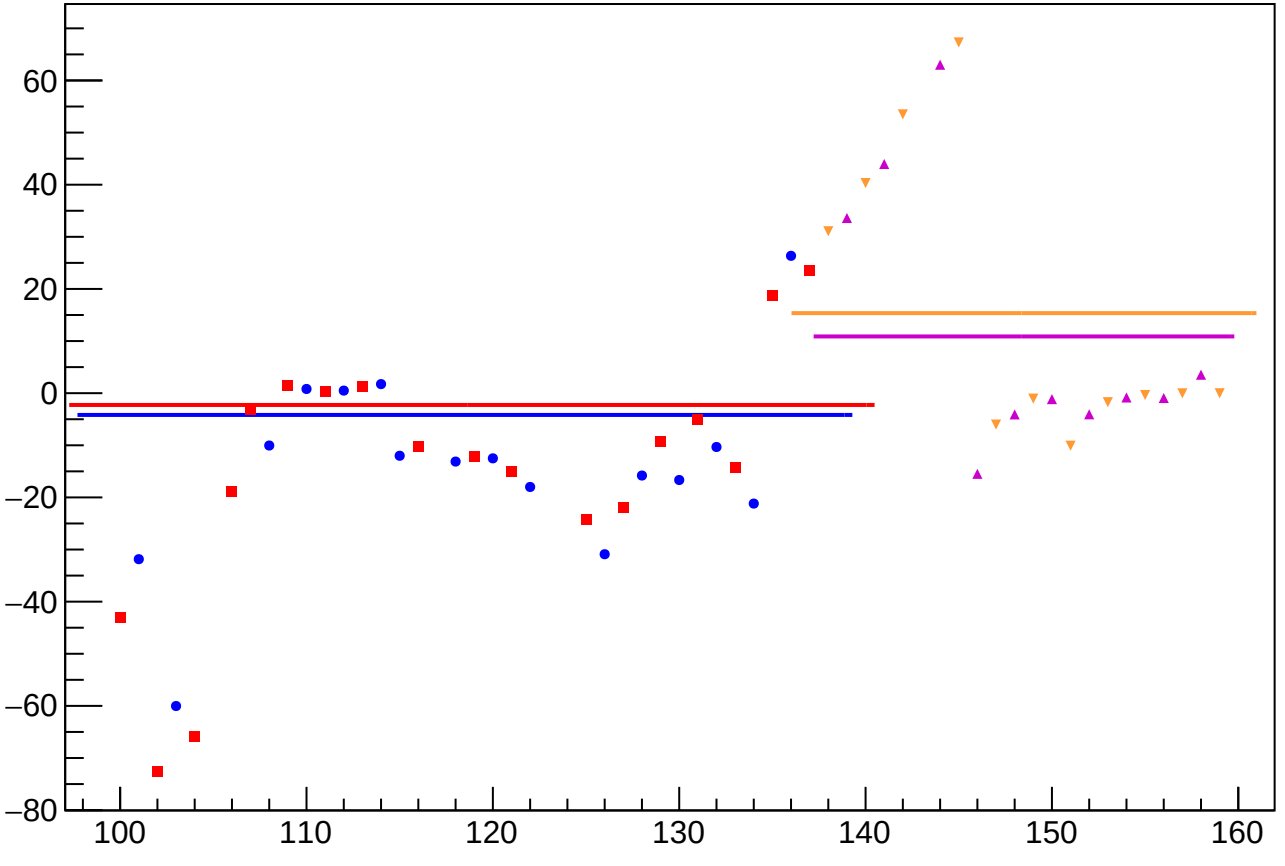
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.153+/-0.002 χ^2/NDF:15414.4/25

Out: -0.169+/-0.002 χ^2/NDF:17362.3/30

All: -0.161+/-0.002 χ^2/NDF: 32801.8/56

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: 15.358+/-0.079 χ^2/NDF:81712.7/10

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 10.886+/-0.069 χ^2/NDF:99195.2/9

Left: 12.814+/-0.052 χ^2/NDF: 182730.6/20

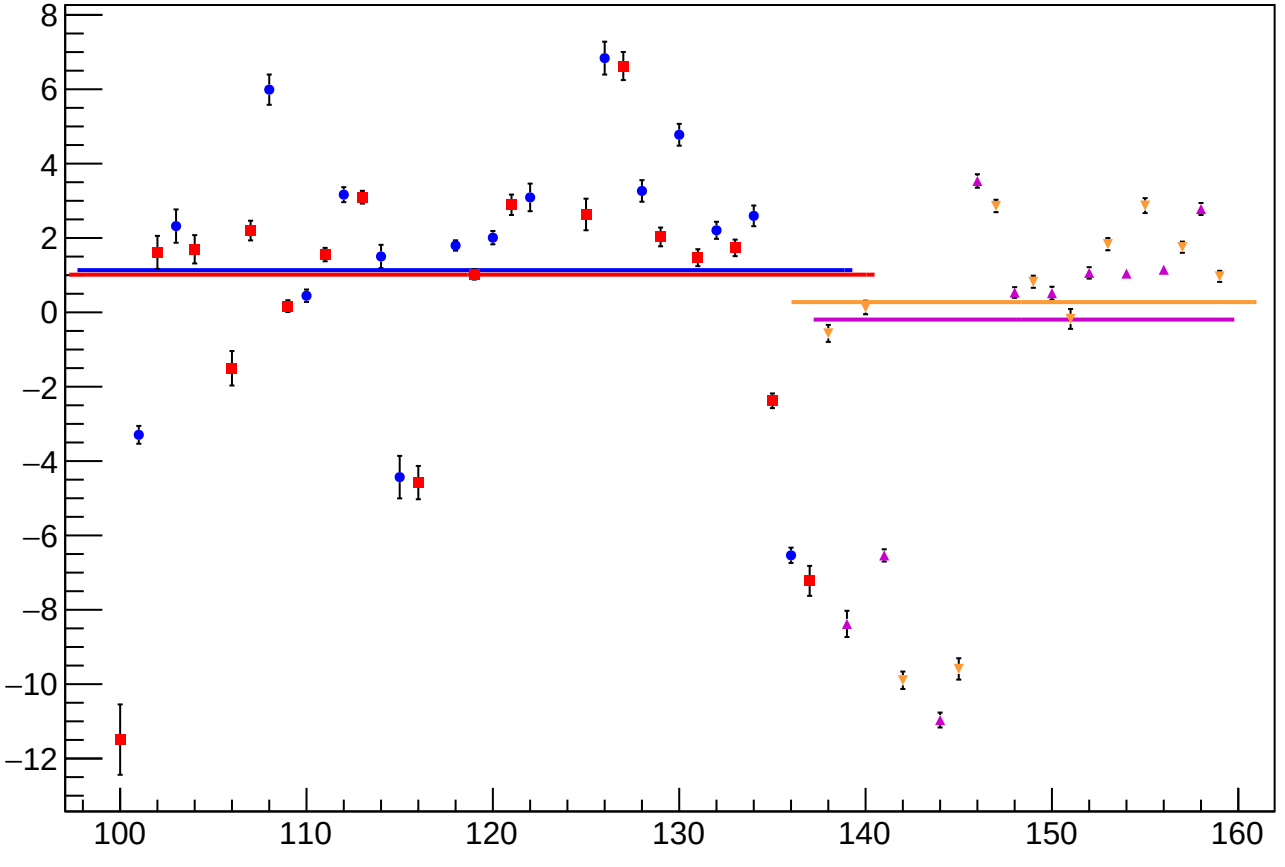
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.627+/-0.043 χ^2/NDF:204052.1/25

Out: 2.205+/-0.040 χ^2/NDF:198463.4/28

All: 1.937+/-0.029 χ^2/NDF: 402613.5/54

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: 0.275+/-0.056 χ^2/NDF:3704.7/10

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.194+/-0.048 χ^2/NDF:6042.7/9

Left: 0.003+/-0.036 χ^2/NDF: 9788.0/20

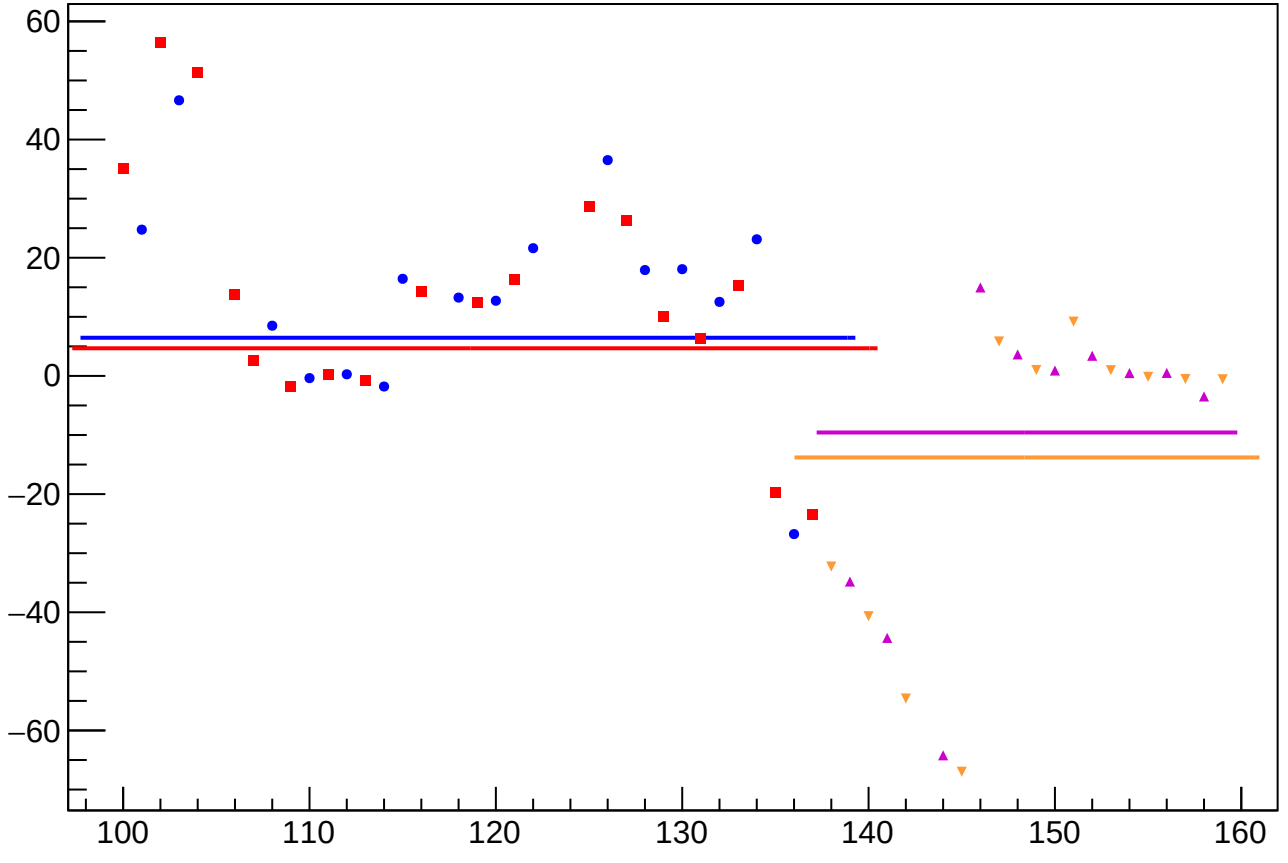
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.321+/-0.037 χ^2/NDF:8937.4/25

Out: 0.638+/-0.040 χ^2/NDF:5382.7/28

All: 0.468+/-0.027 χ^2/NDF: 14353.6/54

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: -13.800+/-0.076 χ^2/NDF:82467.9/10

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -9.576+/-0.066 χ^2/NDF:100216.0/9

Left: -11.376+/-0.050 χ^2/NDF: 184445.5/20

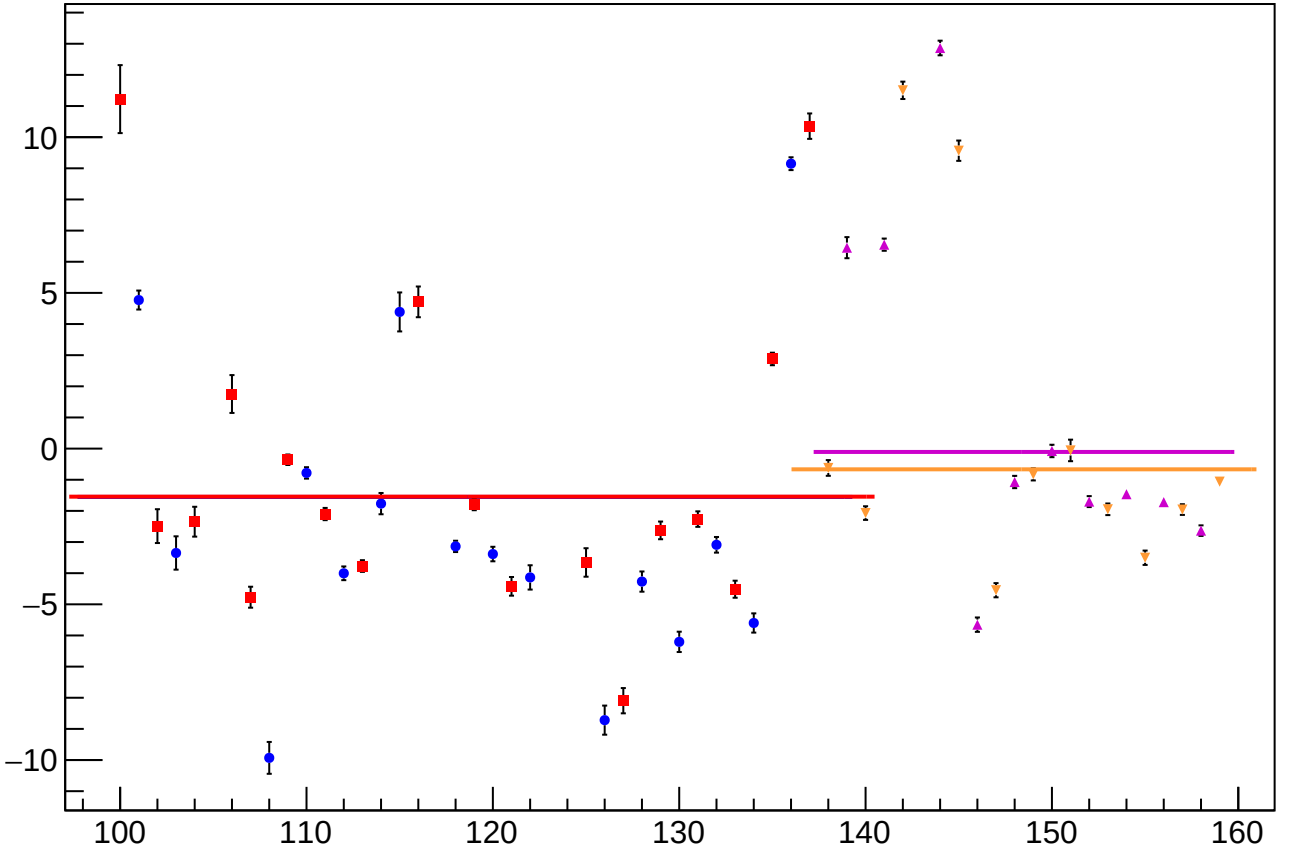
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.467+/-0.046 χ^2/NDF:201120.4/25

Out: -2.258+/-0.047 χ^2/NDF:193581.1/28

All: -1.858+/-0.033 χ^2/NDF: 394846.4/54

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: -0.665+/-0.065 χ^2/NDF:3482.4/10

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.107+/-0.056 χ^2/NDF:5768.3/9

Left: -0.342+/-0.042 χ^2/NDF: 9293.0/20

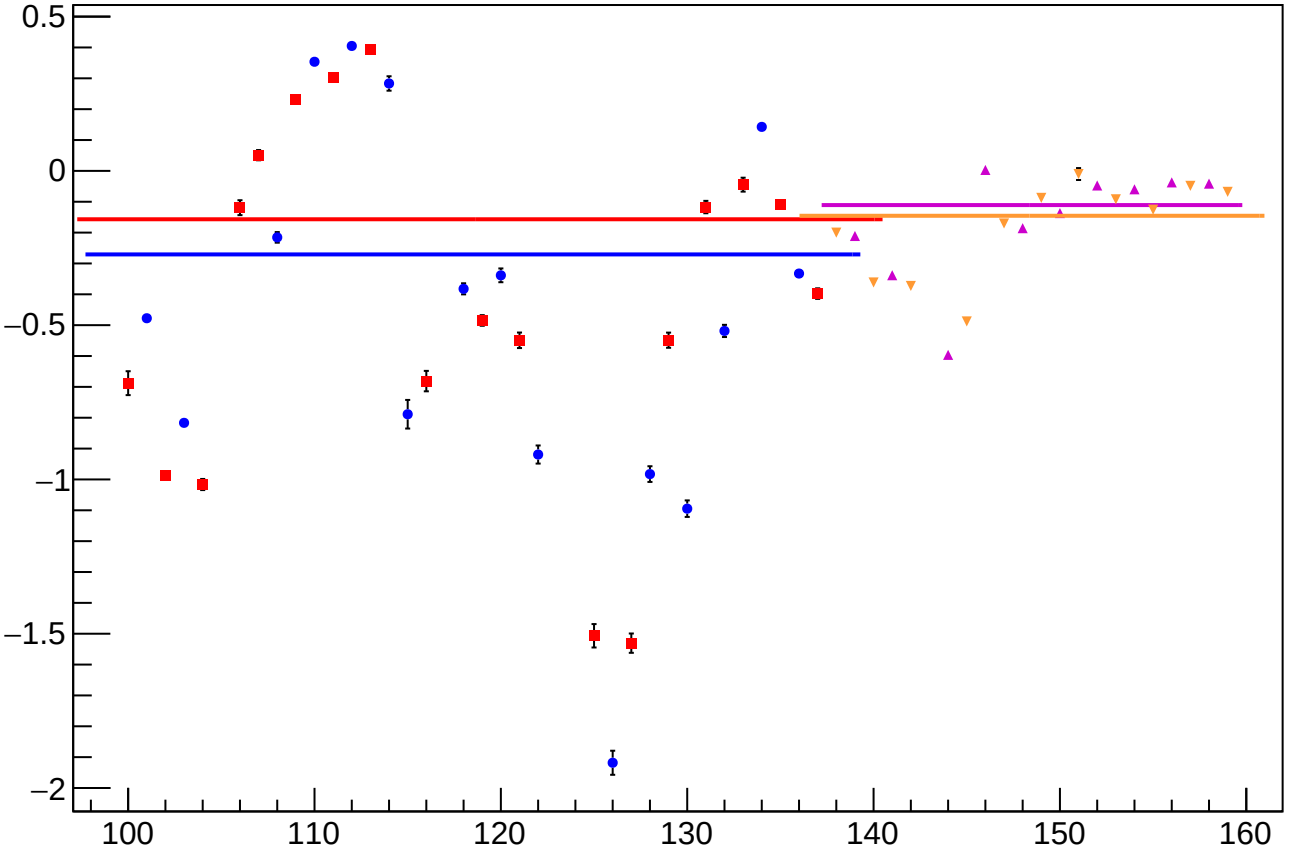
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.674+/-0.043 χ^2/NDF:10575.9/25

Out: -1.109+/-0.046 χ^2/NDF:6046.7/28

All: -0.879+/-0.032 χ^2/NDF: 16670.1/54

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: -0.145+/-0.003 χ^2/NDF:1863.3/10

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.7/9

Left: -0.125+/-0.002 χ^2/NDF: 4860.7/20

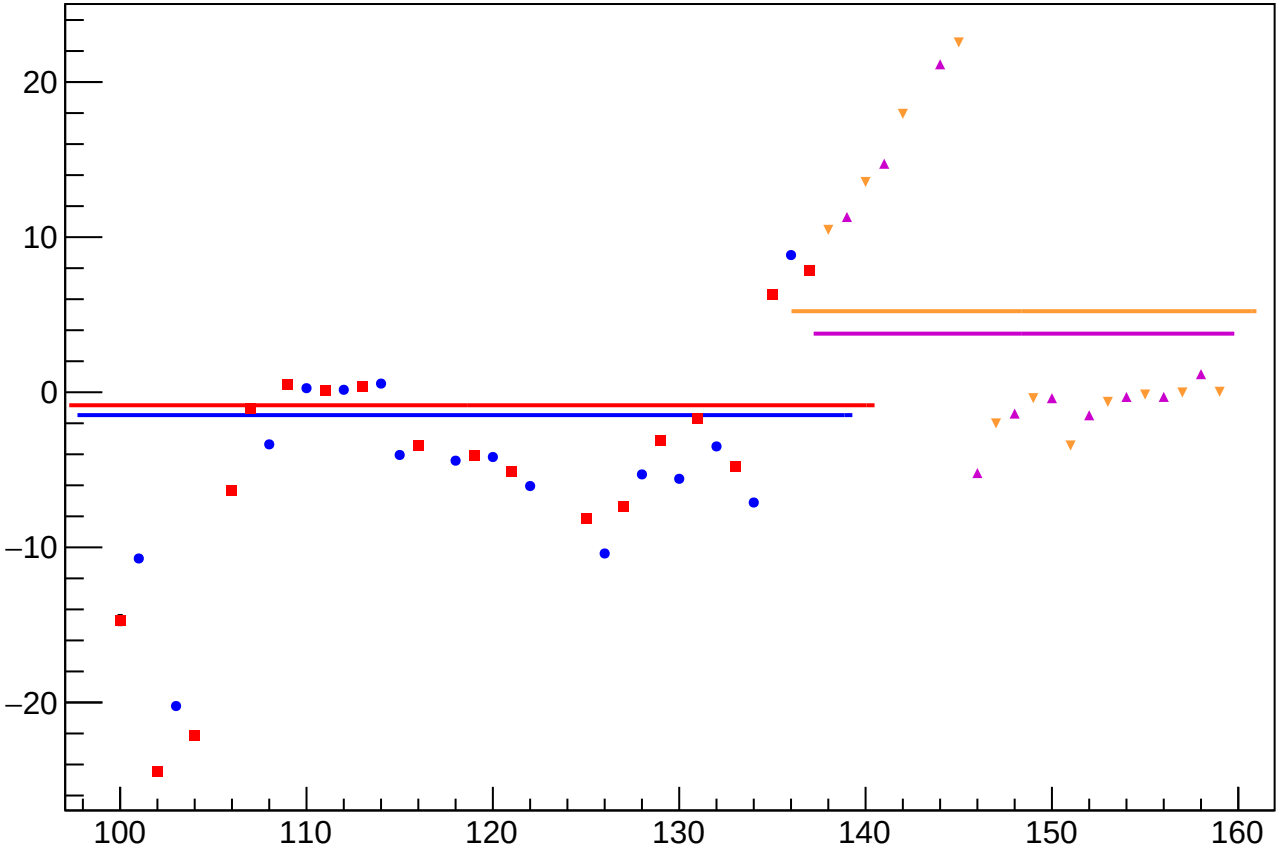
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.149+/-0.002 χ^2/NDF:16134.8/25

Out: -0.150+/-0.002 χ^2/NDF:16888.0/28

All: -0.149+/-0.002 χ^2/NDF: 33022.8/54

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: 5.226+/-0.027 χ^2/NDF:79978.7/10

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 3.779+/-0.024 χ^2/NDF:96487.4/9

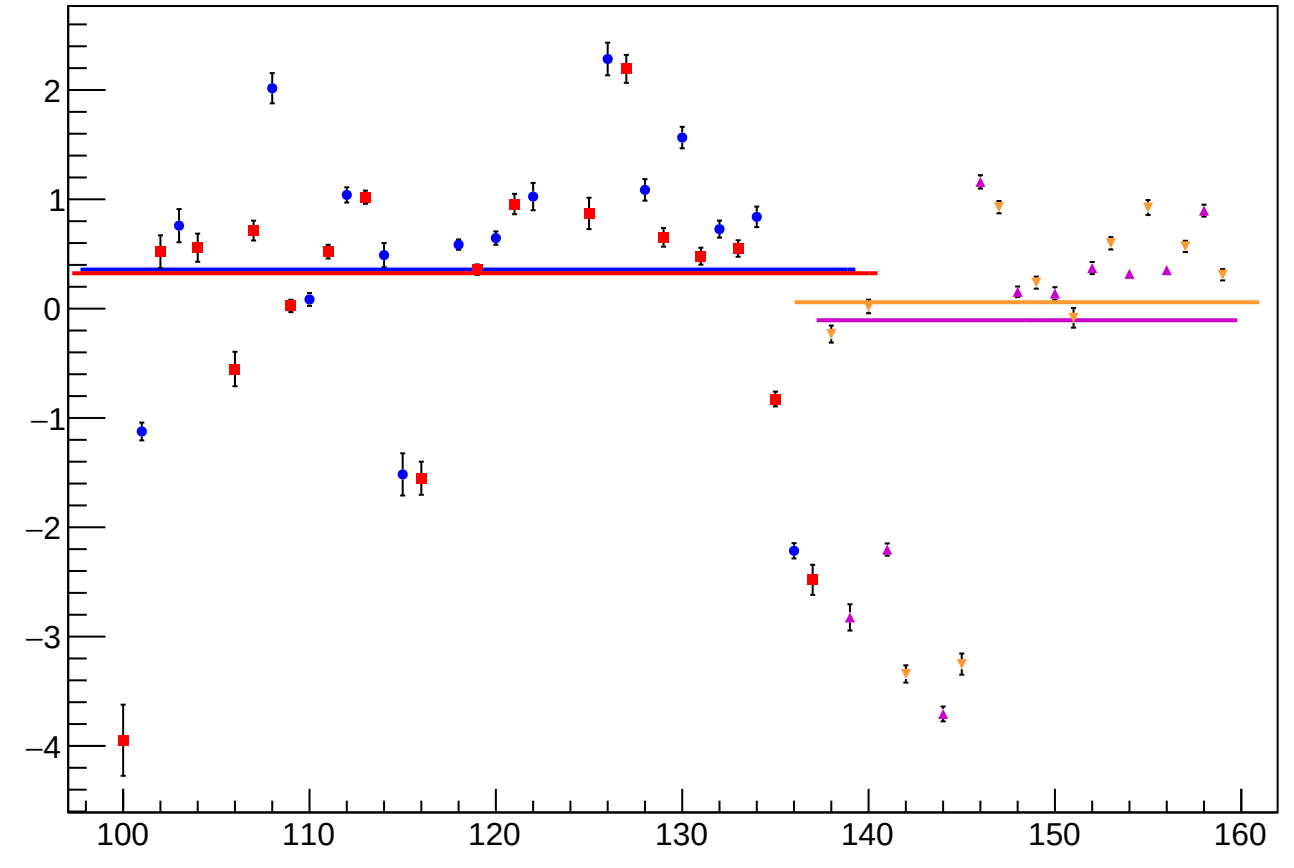
Left: 4.410+/-0.018 χ^2/NDF: 178088.2/20

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.545+/-0.015 χ^2/NDF:200407.6/25

Out: 0.744+/-0.014 χ^2/NDF:195324.2/28

All: 0.651+/-0.010 χ^2/NDF: 395829.2/54



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.059+/-0.019 χ^2/NDF:3644.8/10

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.106+/-0.017 χ^2/NDF:5884.7/9

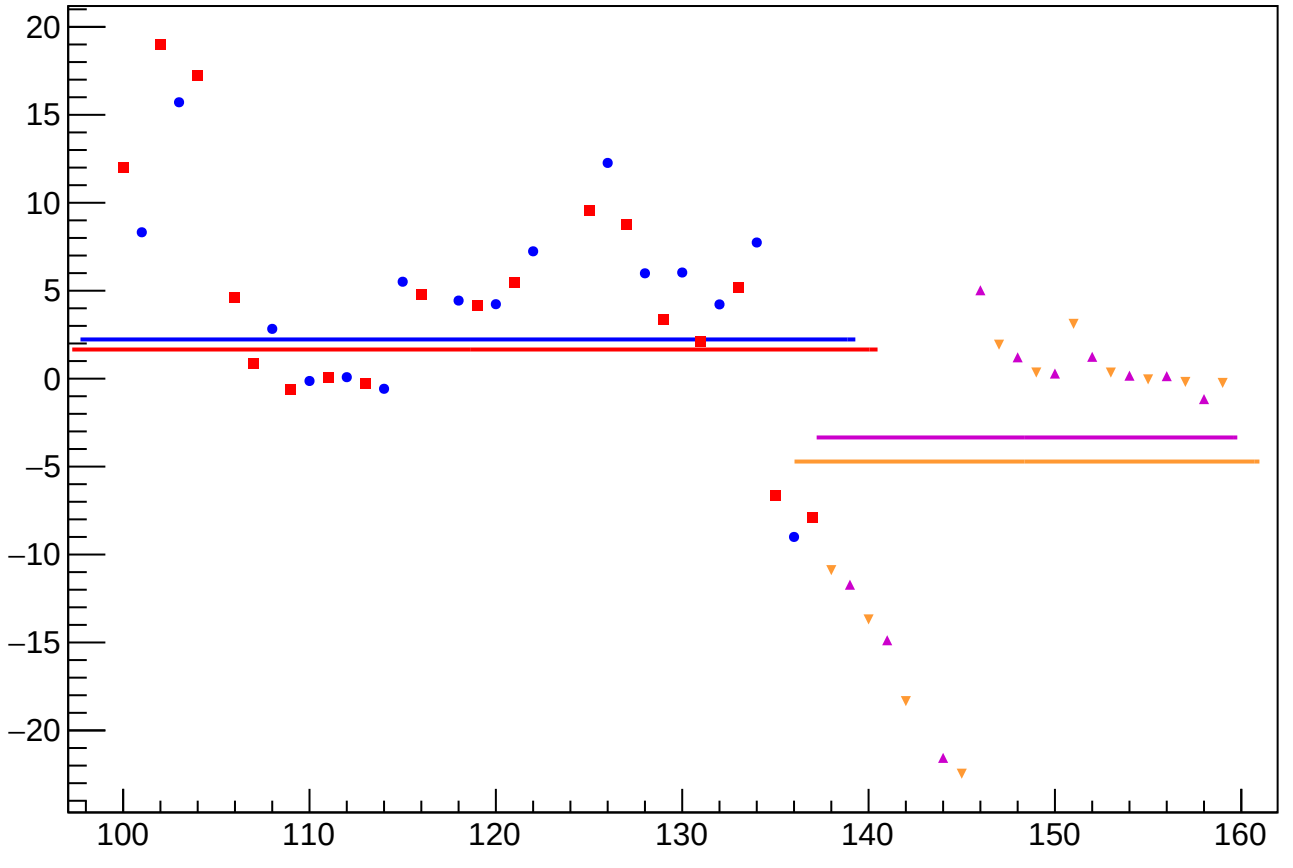
Left: -0.036+/-0.013 χ^2/NDF: 9572.0/20

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.075+/-0.013 χ^2/NDF:8736.1/25

Out: 0.188+/-0.014 χ^2/NDF:5296.8/28

All: 0.128+/-0.009 χ^2/NDF: 14068.4/54



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -4.712+/-0.026 χ^2/NDF:80773.9/10

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -3.344+/-0.023 χ^2/NDF:97630.5/9

Left: -3.934+/-0.017 χ^2/NDF: 179974.5/20

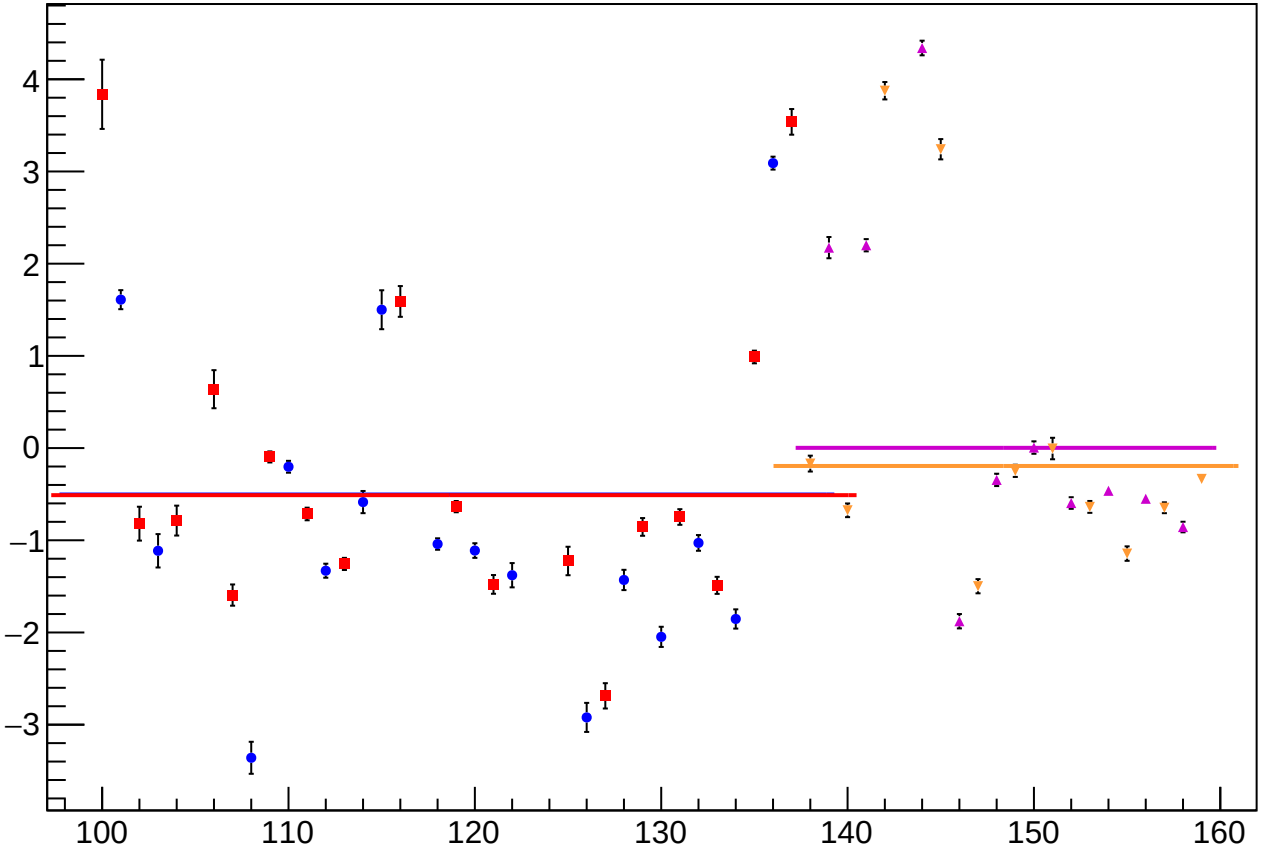
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.505+/-0.016 χ^2/NDF:197575.6/25

Out: -0.772+/-0.016 χ^2/NDF:190565.7/28

All: -0.637+/-0.011 χ^2/NDF: 388280.5/54

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: -0.194+/-0.022 χ^2/NDF:3427.4/10

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.003+/-0.019 χ^2/NDF:5628.7/9

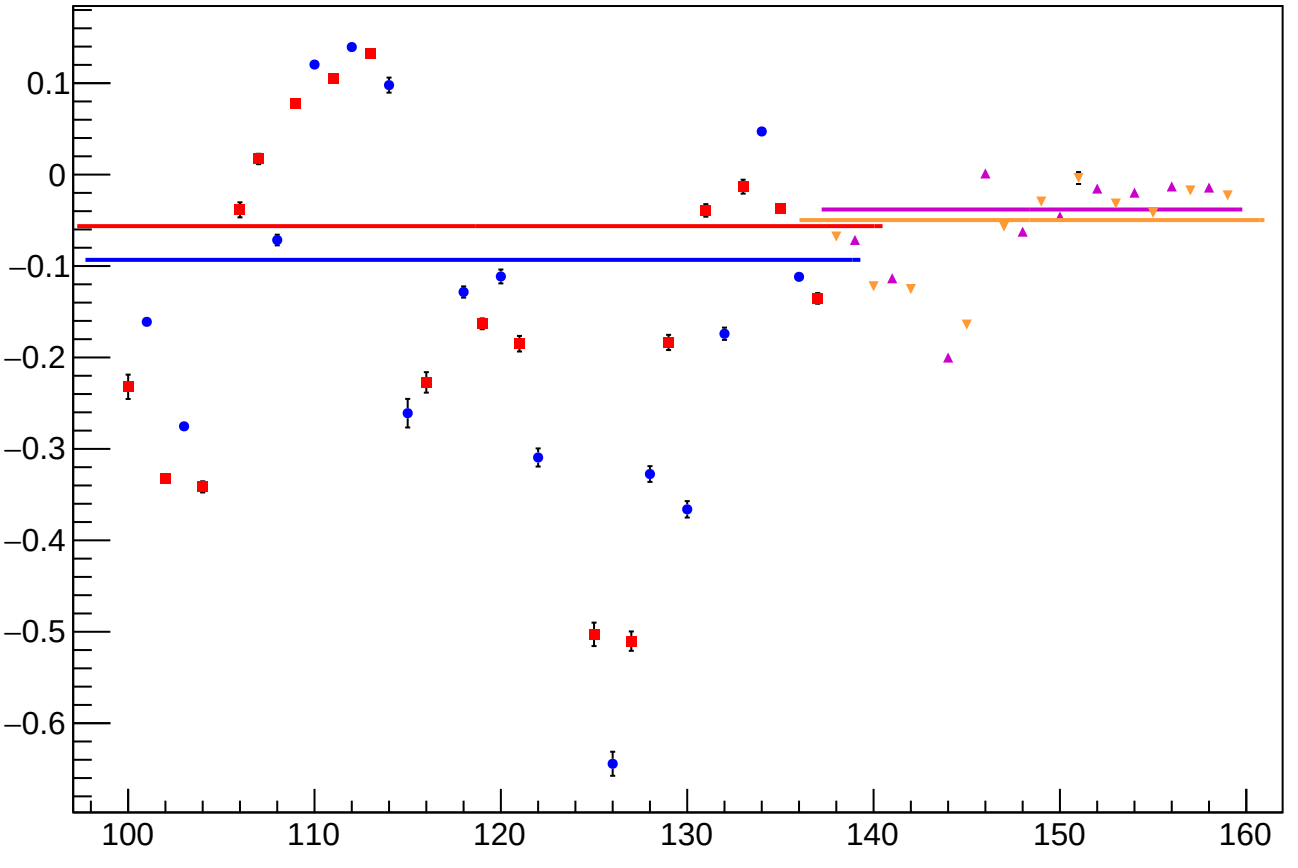
Left: -0.081+/-0.015 χ^2/NDF: 9100.6/20

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.198+/-0.015 χ^2/NDF:10350.9/25

Out: -0.353+/-0.016 χ^2/NDF:5952.2/28

All: -0.271+/-0.011 χ^2/NDF: 16353.7/54



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.050+/-0.001 χ^2/NDF:1817.3/10

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.038+/-0.001 χ^2/NDF:2828.9/9

Left: -0.043+/-0.001 χ^2/NDF: 4730.5/20

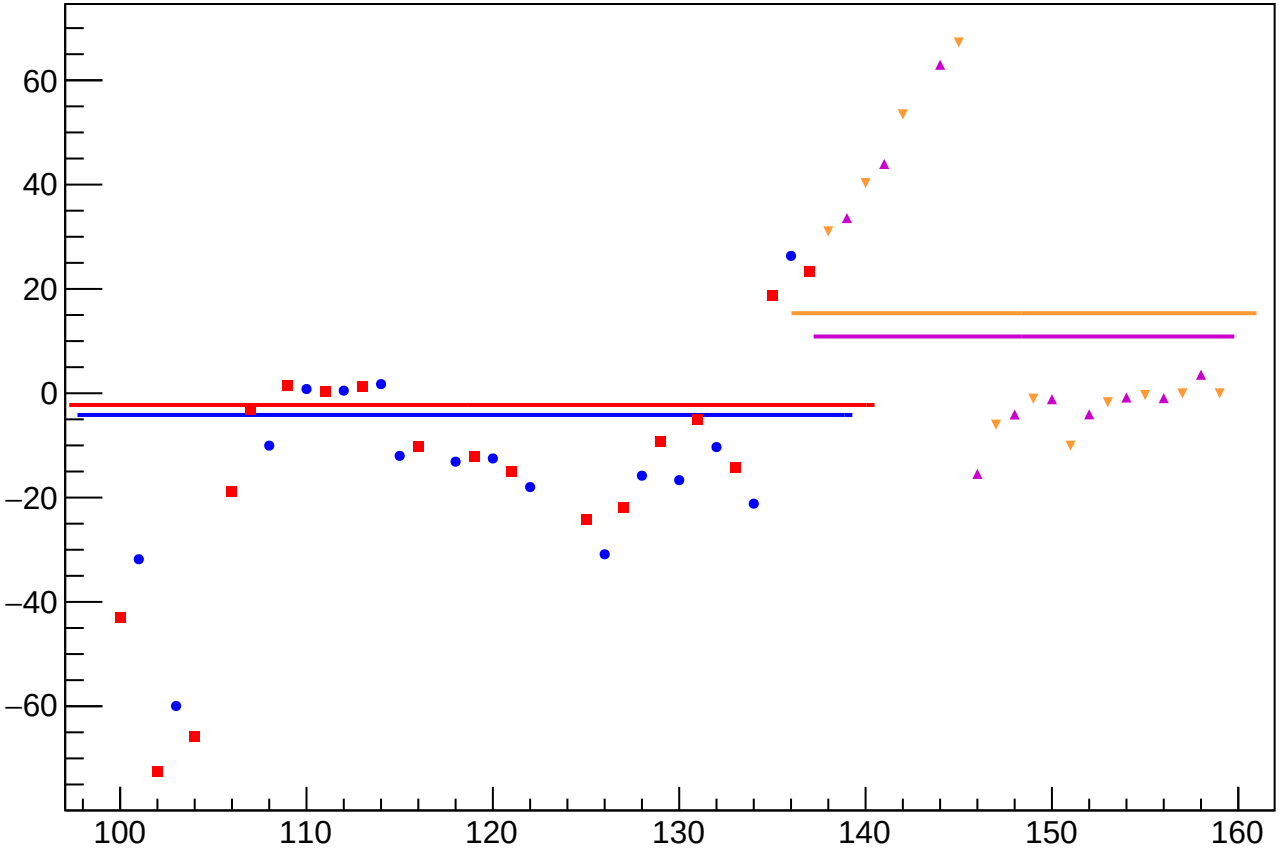
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.052+/-0.001 χ^2/NDF:15713.3/25

Out: -0.052+/-0.001 χ^2/NDF:16291.3/28

All: -0.052+/-0.001 χ^2/NDF: 32004.8/54

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: 15.347+/-0.079 χ^2/NDF:81707.8/10

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 10.878+/-0.069 χ^2/NDF:99210.1/9

Left: 12.805+/-0.052 χ^2/NDF: 182740.7/20

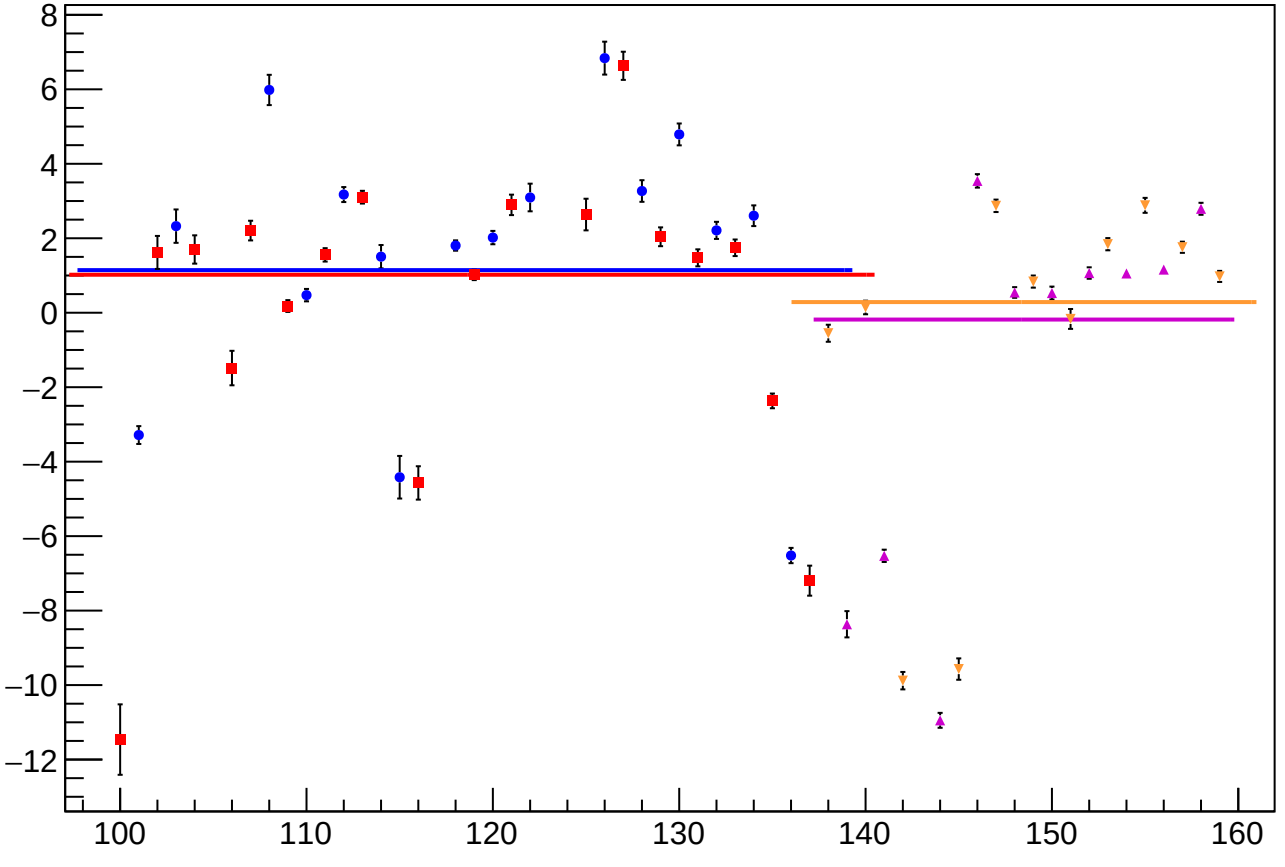
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.630+/-0.043 χ^2/NDF:204069.6/25

Out: 2.205+/-0.040 χ^2/NDF:198460.0/28

All: 1.938+/-0.029 χ^2/NDF: 402626.9/54

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: 0.286+/-0.056 χ^2/NDF:3705.4/10

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -0.183+/-0.048 χ^2/NDF:6047.7/9

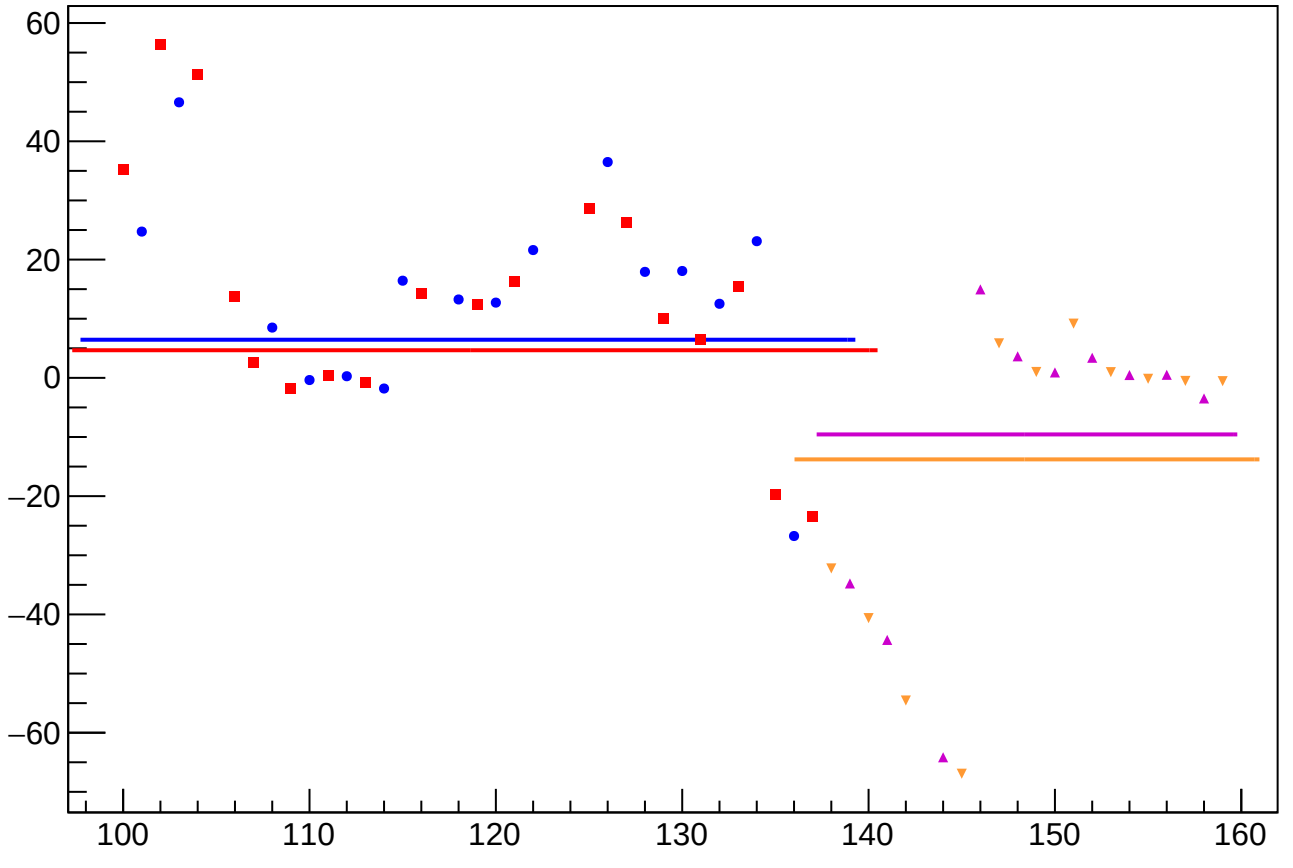
Left: 0.014+/-0.036 χ^2/NDF: 9793.8/20

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.331+/-0.037 χ^2/NDF:8941.7/25

Out: 0.646+/-0.040 χ^2/NDF:5380.8/28

All: 0.478+/-0.027 χ^2/NDF: 14355.7/54



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -13.784+/-0.076 χ^2/NDF:82461.0/10

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -9.563+/-0.066 χ^2/NDF:100228.8/9

Left: -11.362+/-0.050 χ^2/NDF: 184451.8/20

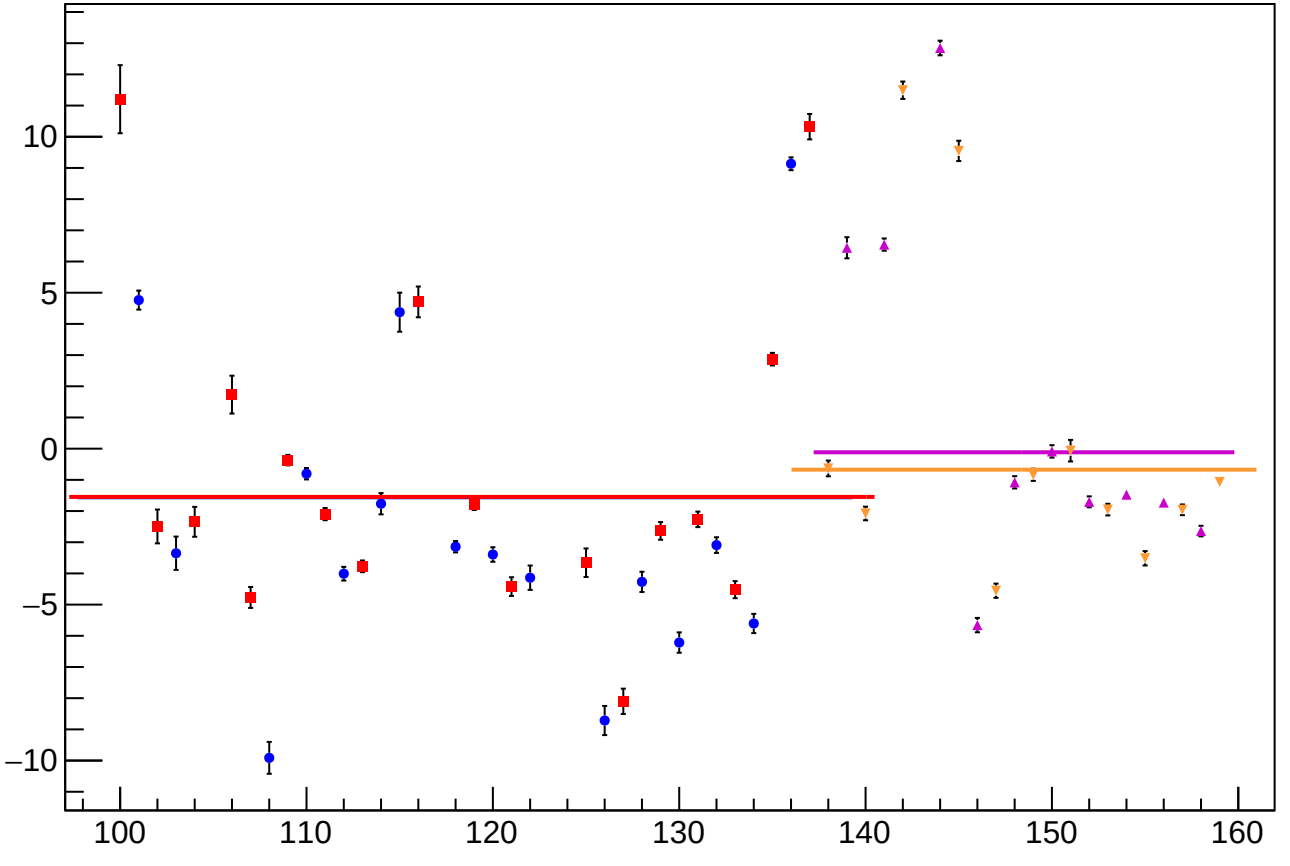
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.464+/-0.046 χ^2/NDF:201131.5/25

Out: -2.252+/-0.047 χ^2/NDF:193570.9/28

All: -1.854+/-0.033 χ^2/NDF: 394846.4/54

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: -0.674+/-0.065 χ^2/NDF:3482.9/10

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.116+/-0.056 χ^2/NDF:5772.1/9

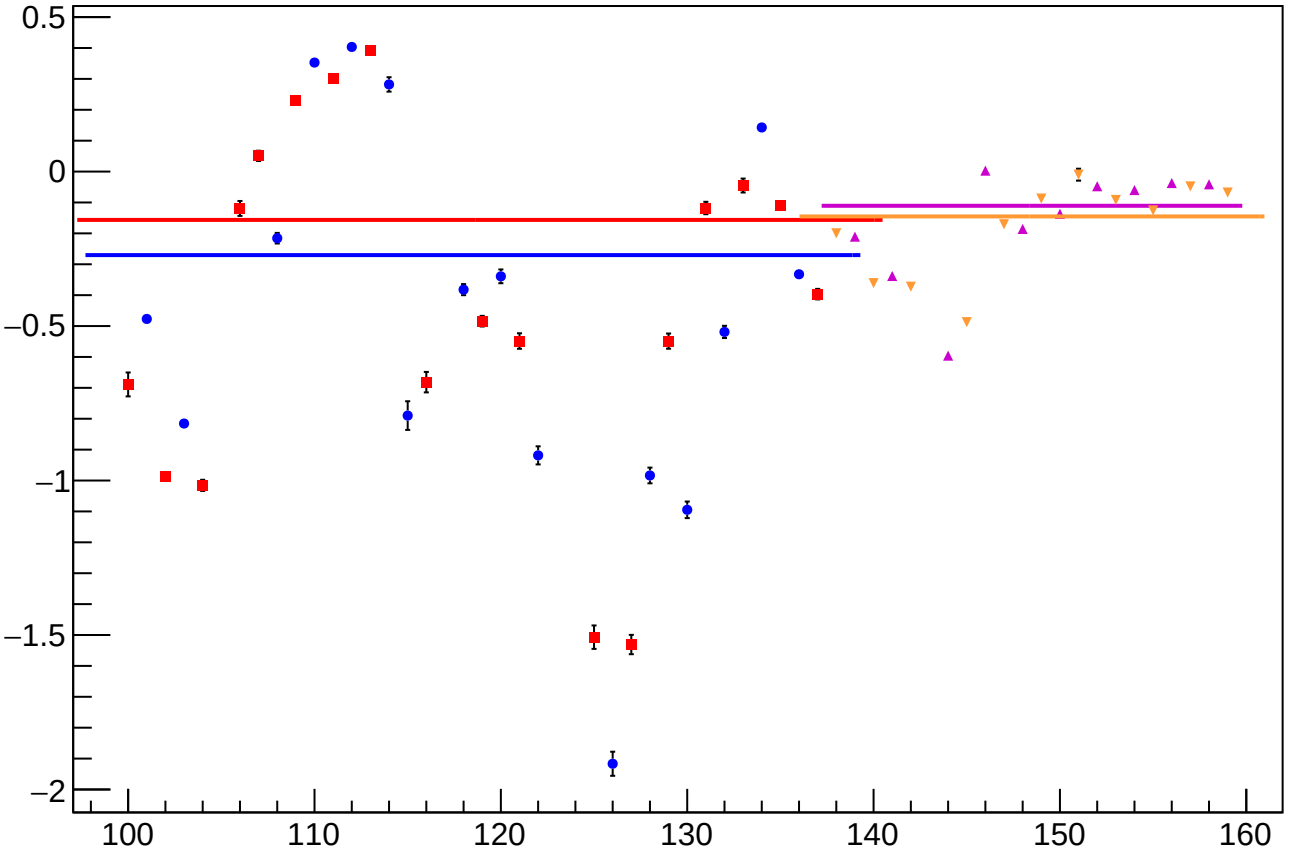
Left: -0.351+/-0.042 χ^2/NDF: 9297.2/20

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.682+/-0.043 χ^2/NDF:10578.9/25

Out: -1.116+/-0.046 χ^2/NDF:6043.4/28

All: -0.887+/-0.032 χ^2/NDF: 16669.5/54



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.145+/-0.003 χ^2/NDF:1864.5/10

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.9/9

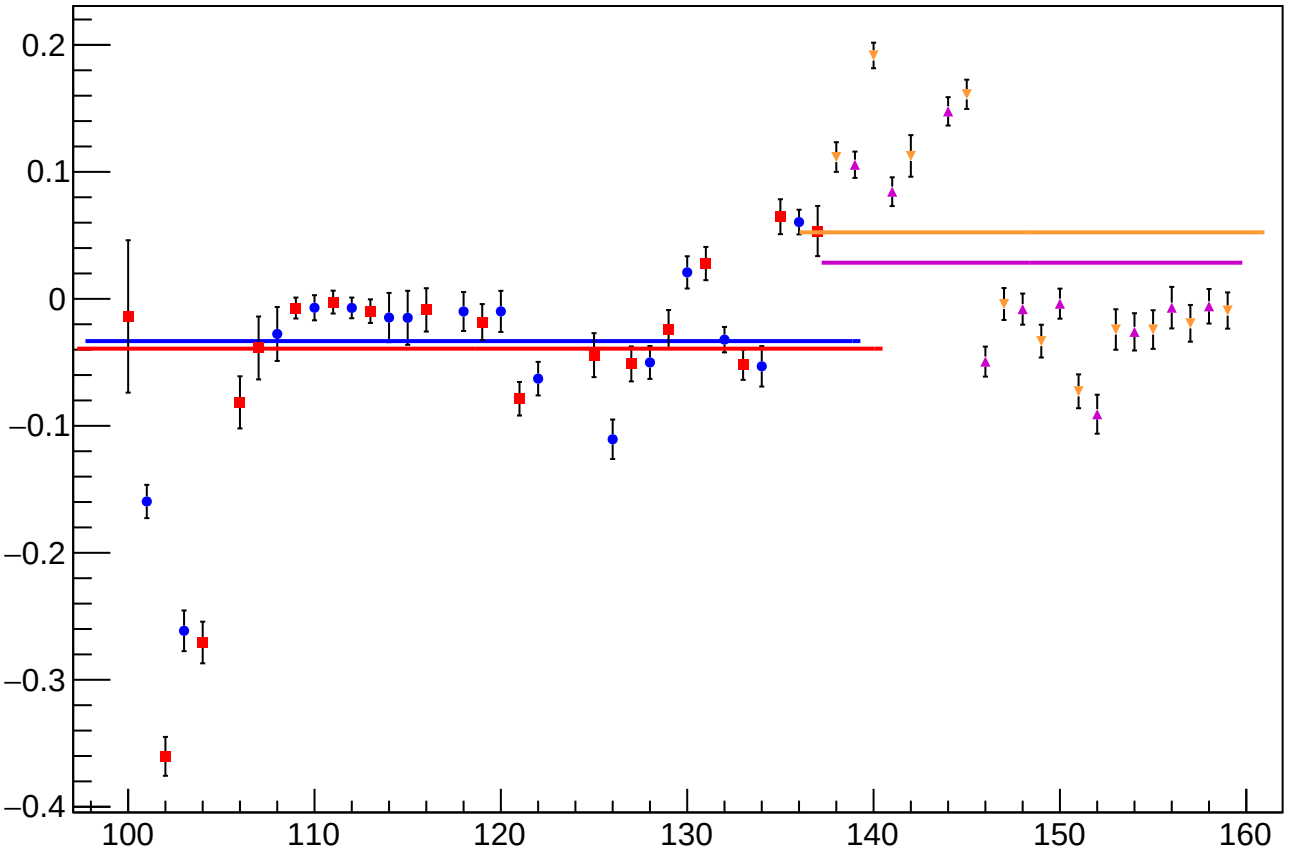
Left: -0.125+/-0.002 χ^2/NDF: 4861.1/20

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.149+/-0.002 χ^2/NDF:16134.3/25

Out: -0.149+/-0.002 χ^2/NDF:16900.2/28

All: -0.149+/-0.002 χ^2/NDF: 33034.5/54



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.052+/-0.004 χ^2/NDF:563.6/10

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.028+/-0.004 χ^2/NDF:338.8/9

Left: 0.040+/-0.003 χ^2/NDF: 920.7/20

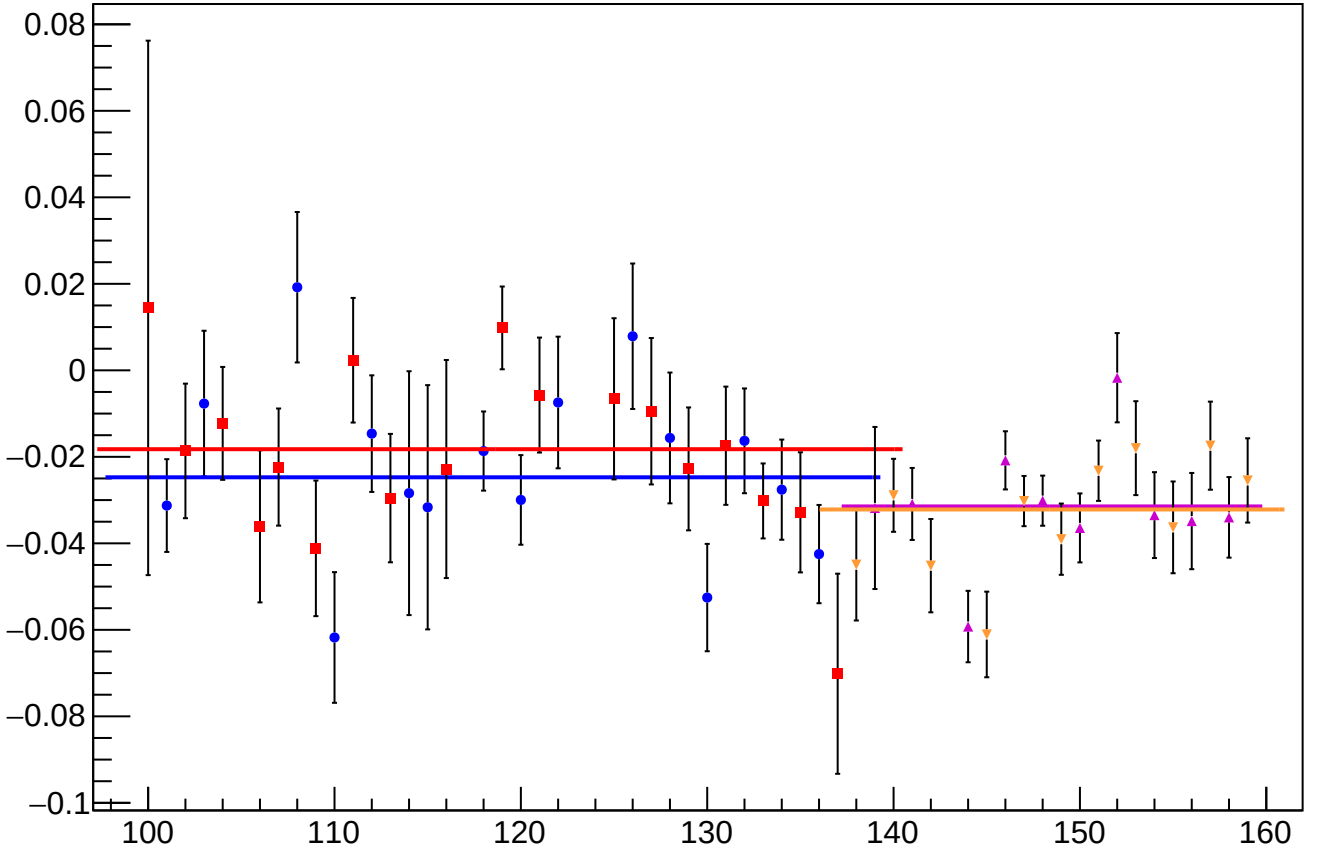
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:949.3/25

Out: -0.003+/-0.002 χ^2/NDF:1698.0/28

All: -0.006+/-0.002 χ^2/NDF: 2649.8/54

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: -0.032+/-0.003 χ^2/NDF:18.0/10

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.8/9

Left: -0.032+/-0.002 χ^2/NDF: 40.8/20

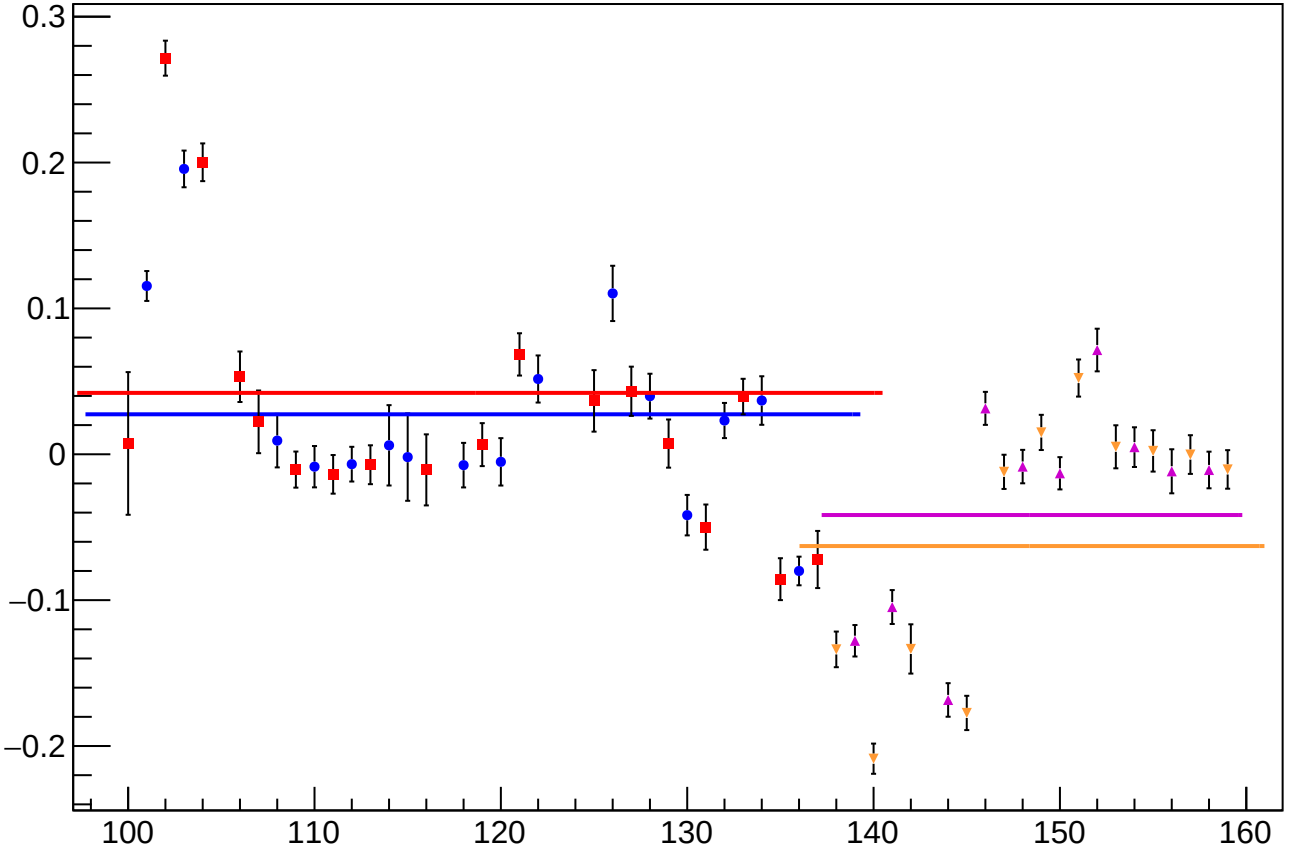
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:53.8/25

Out: -0.027+/-0.002 χ^2/NDF:53.2/28

All: -0.028+/-0.001 χ^2/NDF: 107.4/54

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: -0.063+/-0.004 χ^2/NDF:567.3/10

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.042+/-0.004 χ^2/NDF:353.2/9

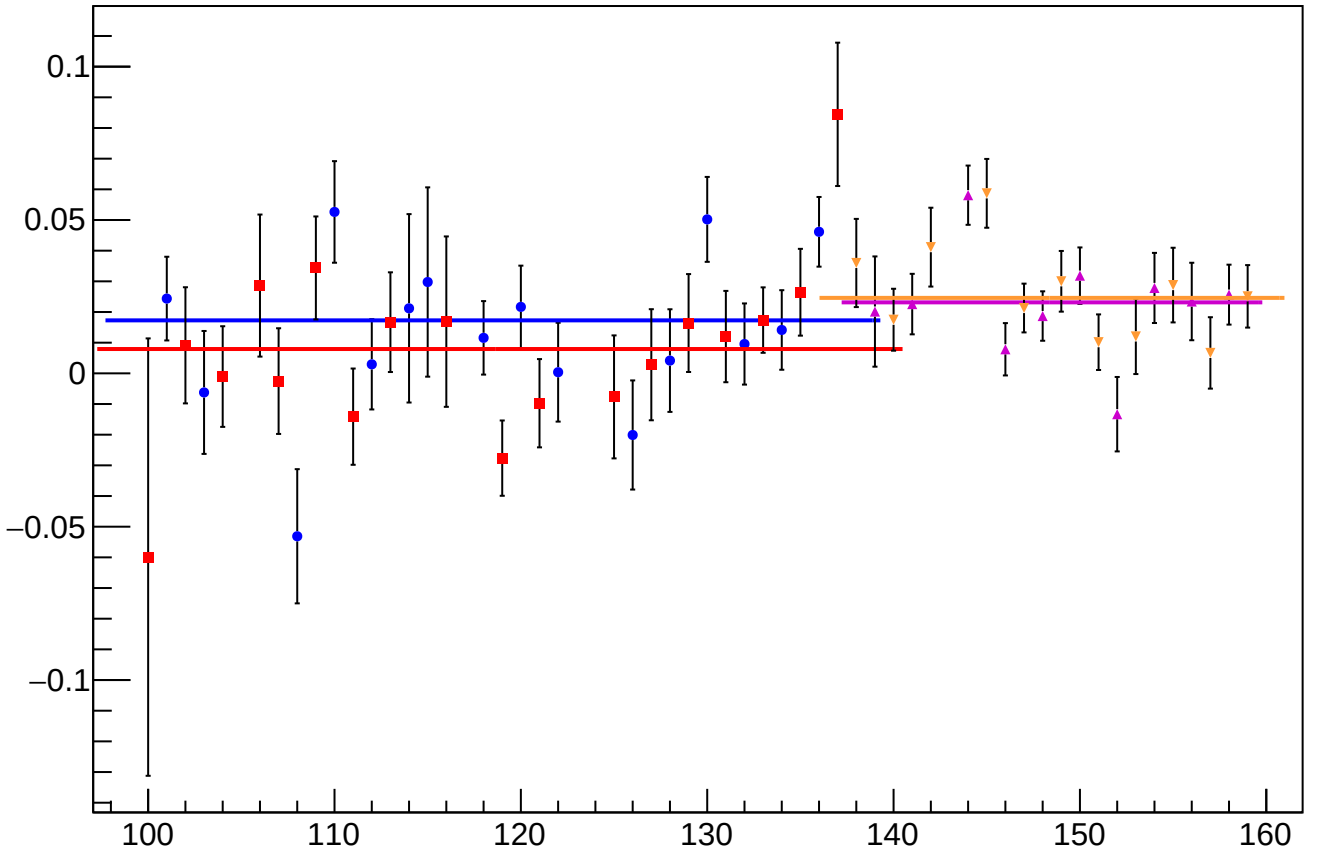
Left: -0.052+/-0.003 χ^2/NDF: 935.8/20

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.003 χ^2/NDF:972.7/25

Out: -0.008+/-0.003 χ^2/NDF:1695.3/28

All: -0.006+/-0.002 χ^2/NDF: 2668.7/54



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.025+/-0.003 χ^2/NDF:18.6/10

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.003 χ^2/NDF:26.8/9

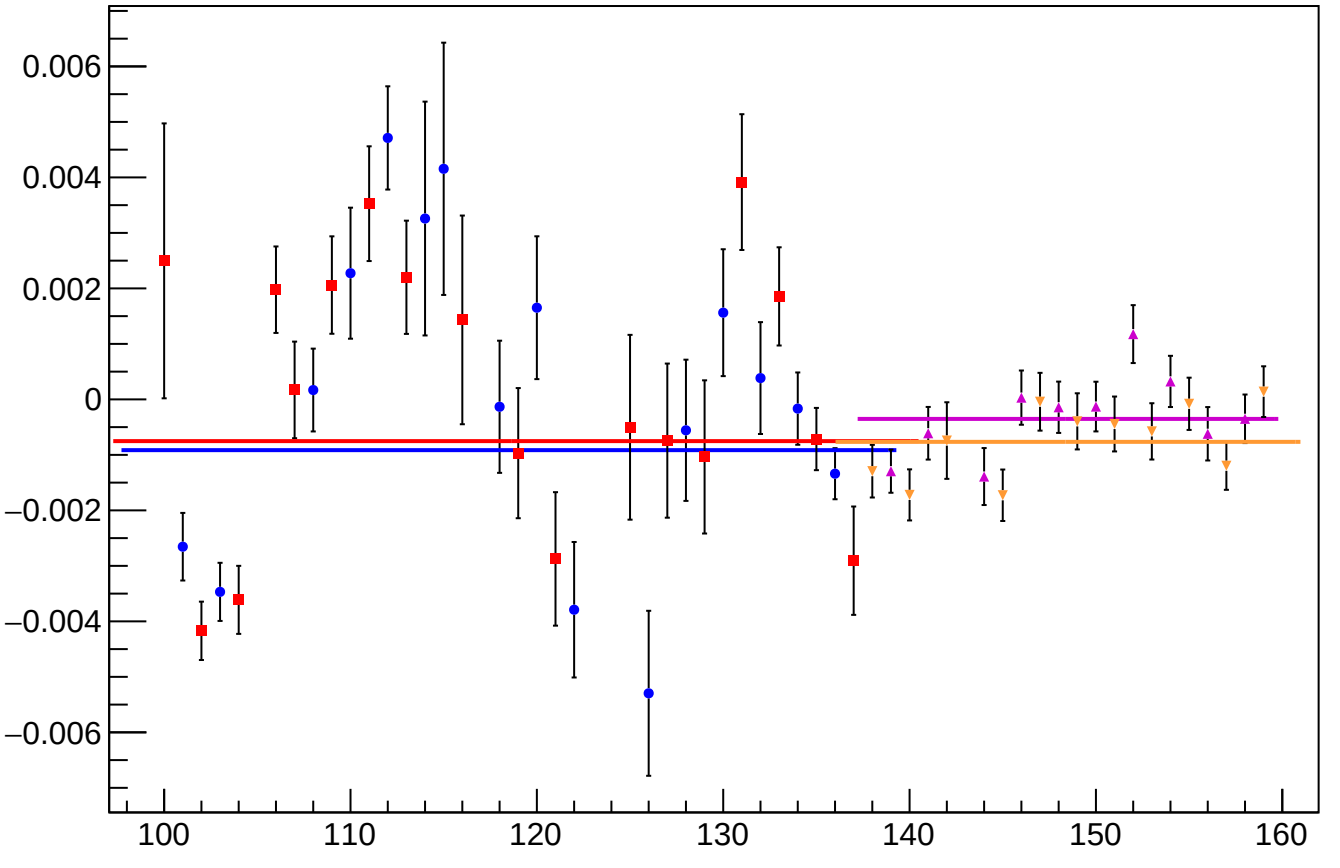
Left: 0.024+/-0.002 χ^2/NDF: 45.5/20

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.021+/-0.002 χ^2/NDF:64.8/25

Out: 0.018+/-0.002 χ^2/NDF:60.9/28

All: 0.019+/-0.002 χ^2/NDF: 126.3/54



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:19.9/10

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:22.4/9

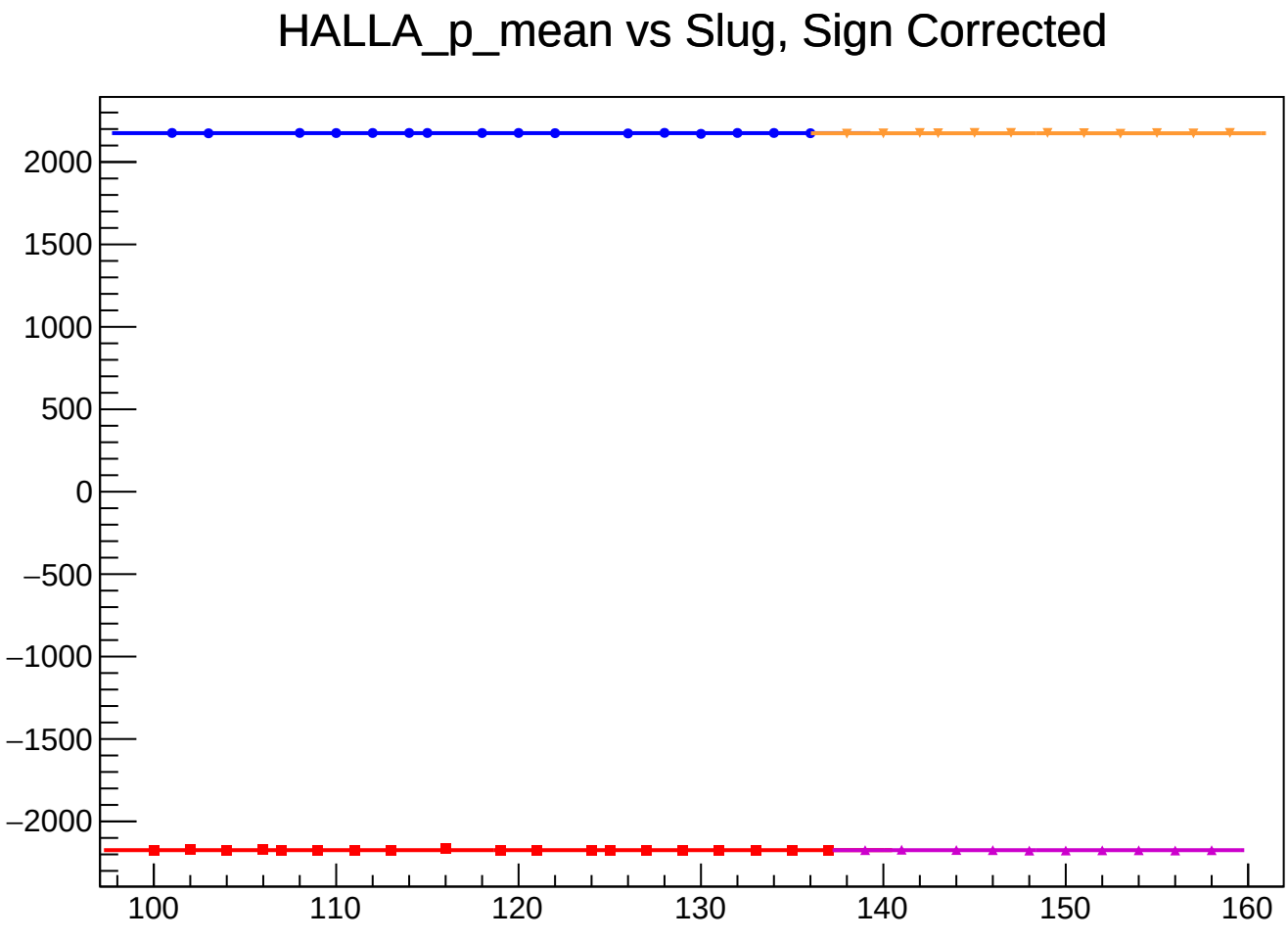
Left: -0.001+/-0.000 χ^2/NDF: 46.2/20

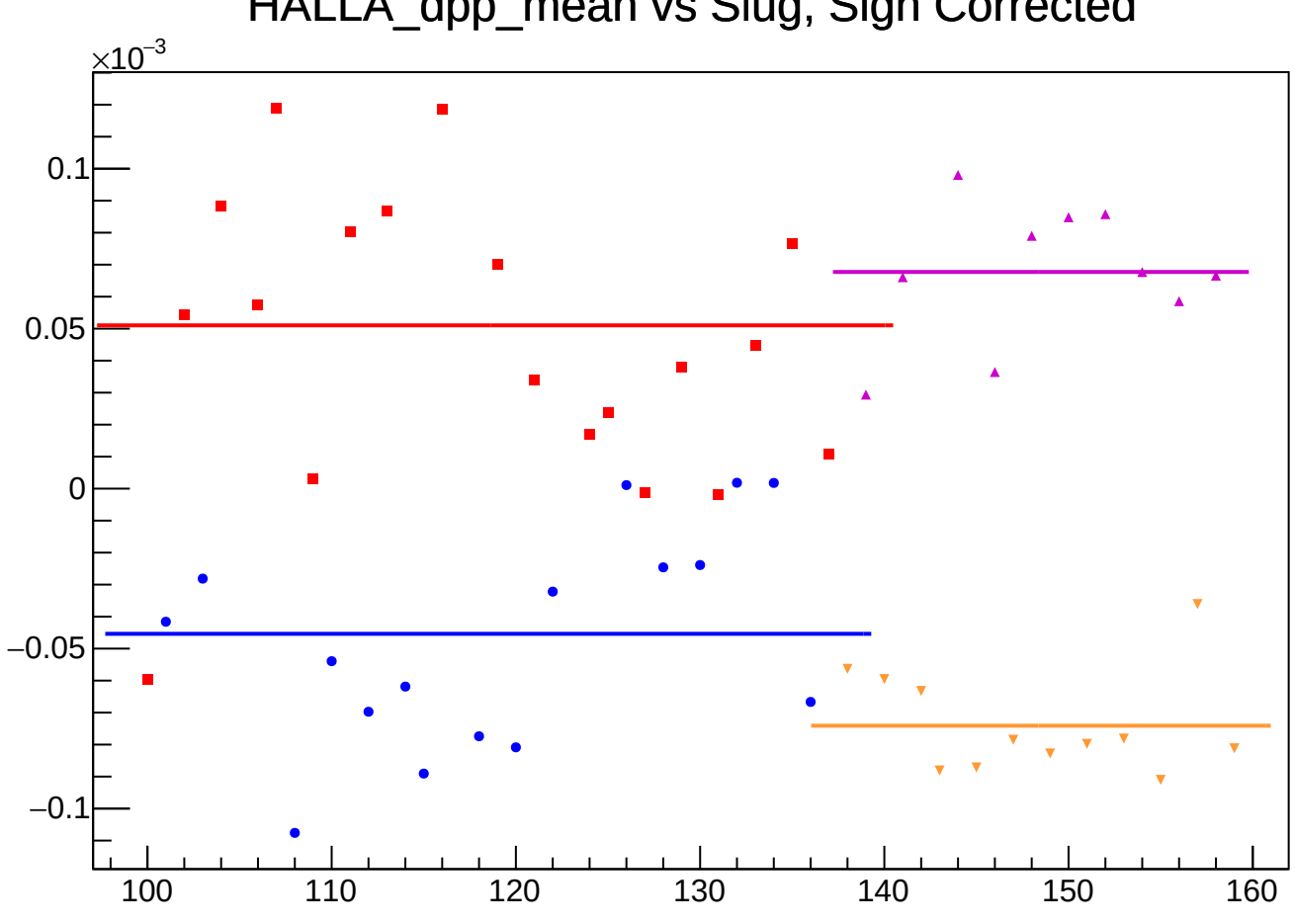
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:141.2/25

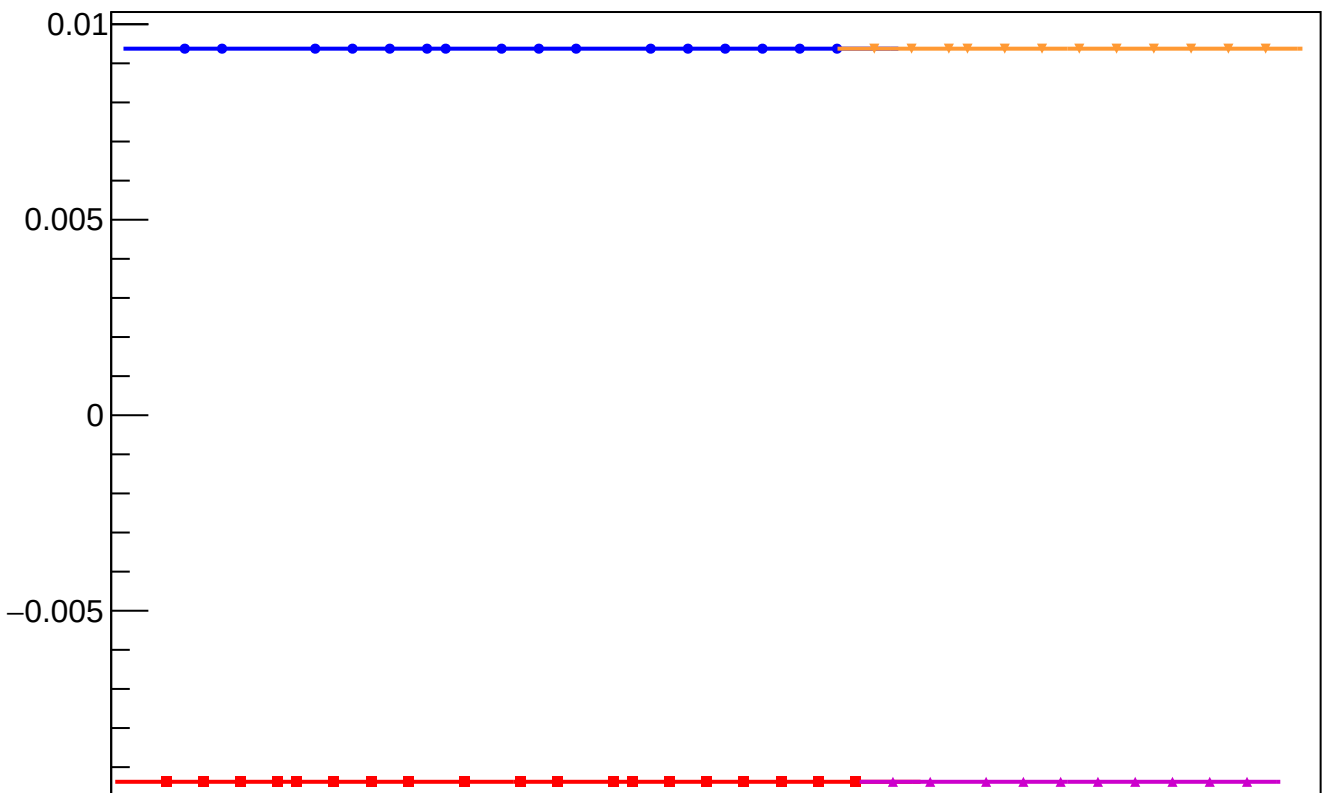
Out: -0.001+/-0.000 χ^2/NDF:167.5/28

All: -0.001+/-0.000 χ^2/NDF: 310.5/54


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
Left Out: 2174.381+/-0.000 χ²/NDF:312020320548967170278874611397427 2.0/11
Right Out: -2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
Left In: -2174.491+/-0.000 χ²/NDF:219447033903628173611521503186124 8.0/9
Left: 105.233+/-0.000 χ²/NDF: 896246762911189
Right: -31.373+/-0.000 χ²/NDF: 711179104907611
In: -215.147+/-0.000 χ²/NDF:770438516466470
Out: 288.047+/-0.000 χ²/NDF:81703050342707
All: 44.876+/-0.000 χ²/NDF: 160899245085


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
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2433341286520196295557120.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:3757526749889449301114880.0/9
Left: -0.000+/-0.000 χ²/NDF: 10149976271063438
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:62977202130911813490
Out: -0.000+/-0.000 χ²/NDF:80198759968132390
All: -0.000+/-0.000 χ²/NDF: 1545588664722

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:0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 166600657894736210

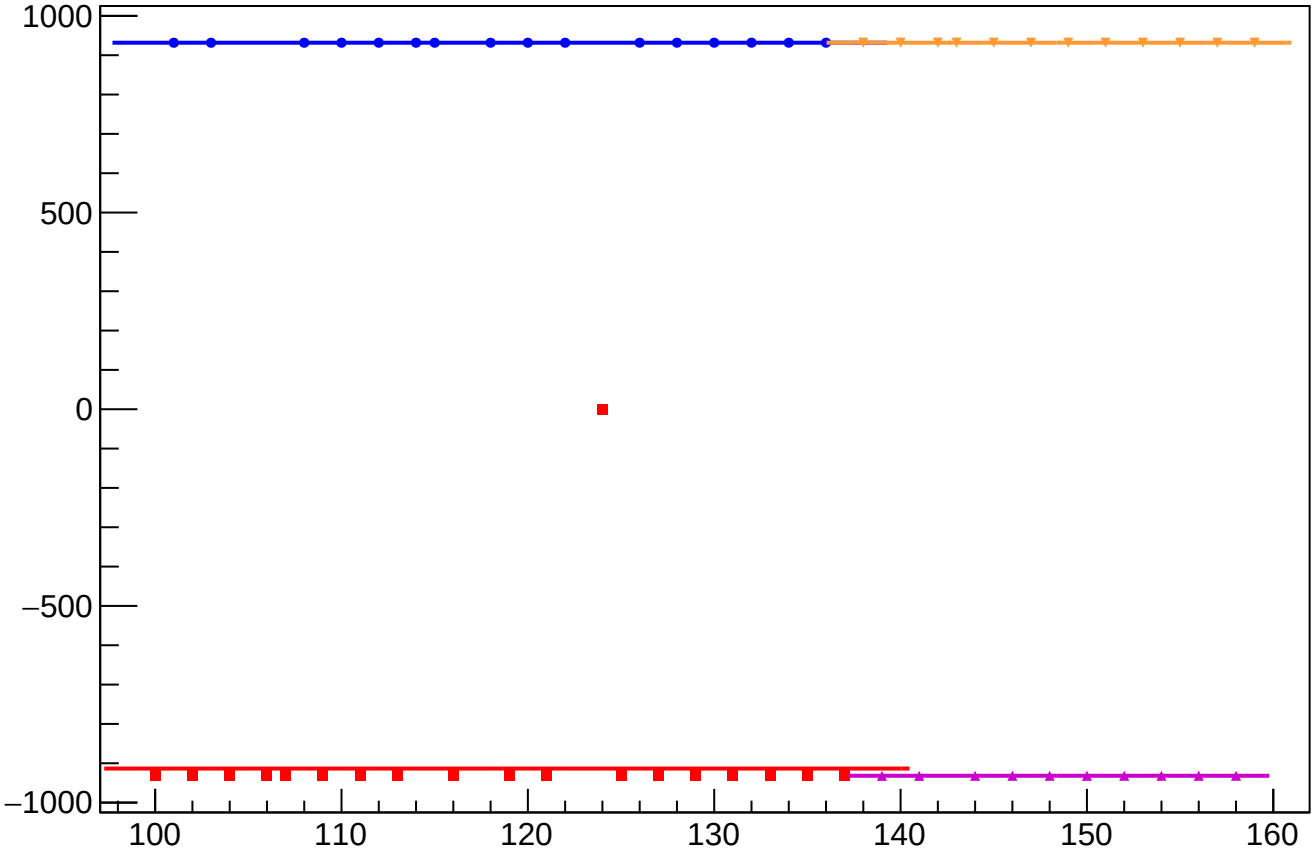
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: 0.000+/-0.000 χ^2/NDF: 2990531704428

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.786+/-0.000 χ^2/NDF:413385956125980596947669483520 0.0/11

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.776+/-0.000 χ^2/NDF:351061785889417209076390245171 2.0/9

Left: 45.123+/-0.000 χ^2/NDF: 1645742692534829

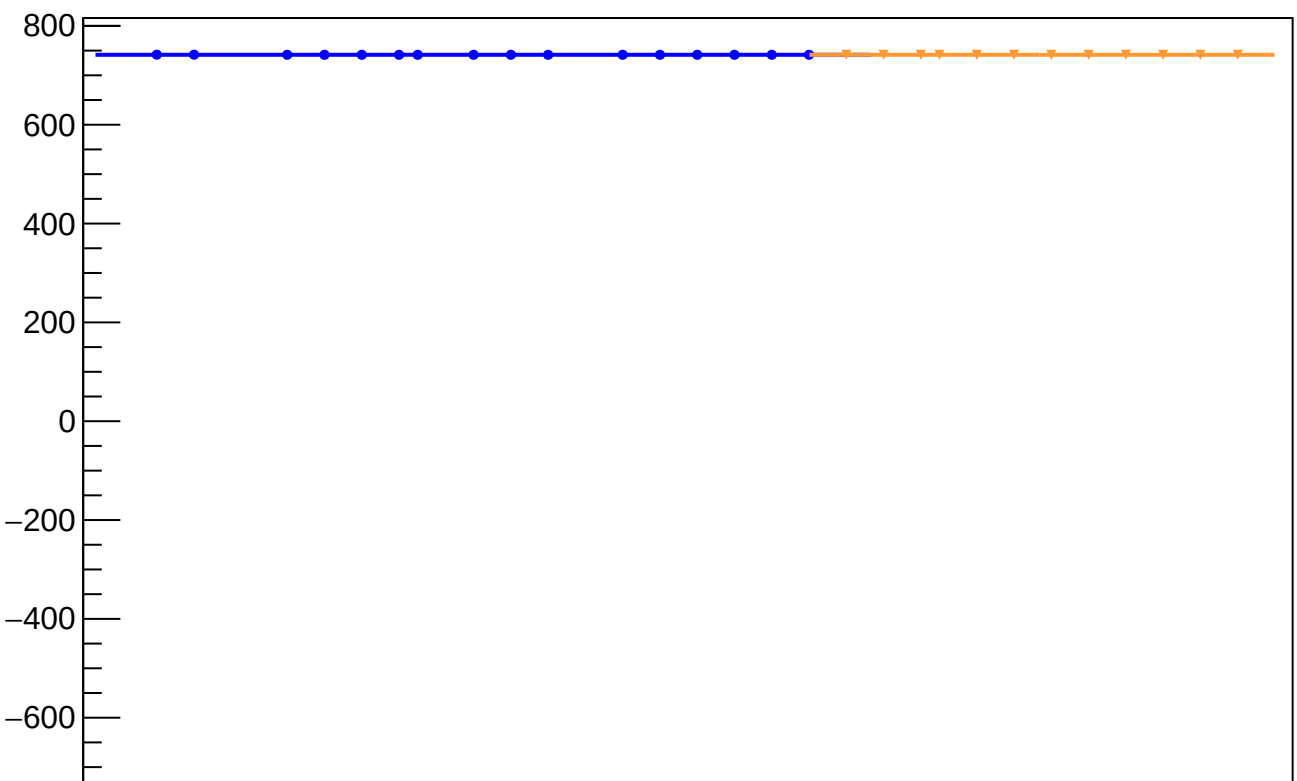
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -92.331+/-0.000 χ^2/NDF:14141669736039101

Out: 131.381+/-0.000 χ^2/NDF:1483791958274251

All: 23.271+/-0.000 χ^2/NDF: 2940501193805

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.519+/-0.000 χ^2/NDF:10000181751610599806999304601 6.0/11

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.519+/-0.000 χ^2/NDF:92266527285633119534333296640.0/9

Left: 35.905+/-0.000 χ^2/NDF: 1042266525009828

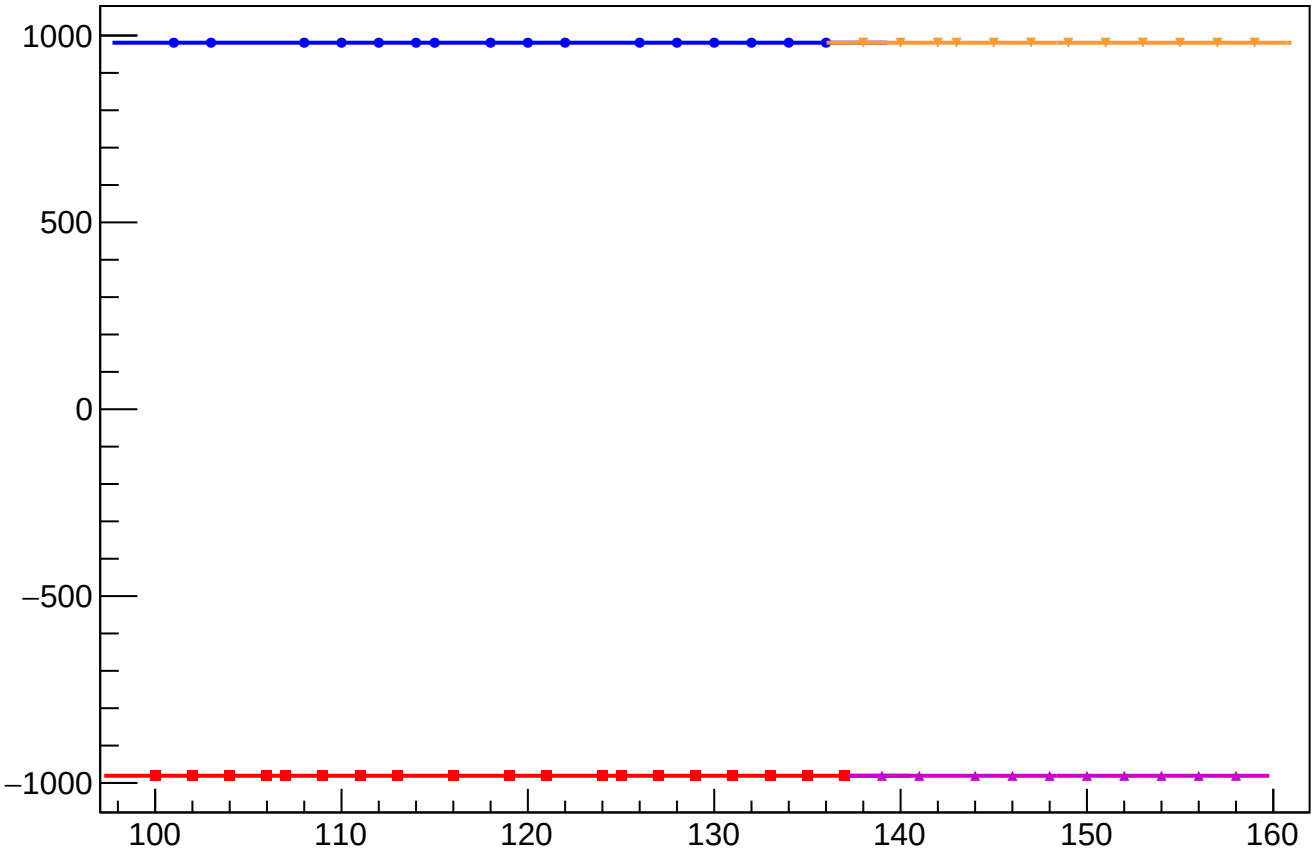
Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: -73.453+/-0.000 χ^2/NDF:8956833729725812

Out: 98.198+/-0.000 χ^2/NDF:9502906872974764

All: 15.247+/-0.000 χ^2/NDF: 187101988870

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.775+/-0.000 χ^2/NDF:59702107982671889010972950528 0.0/11

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -980.787+/-0.000 χ^2/NDF:109634526793541328385176554700 8.0/9

Left: 47.484+/-0.000 χ^2/NDF: 18233837120779395

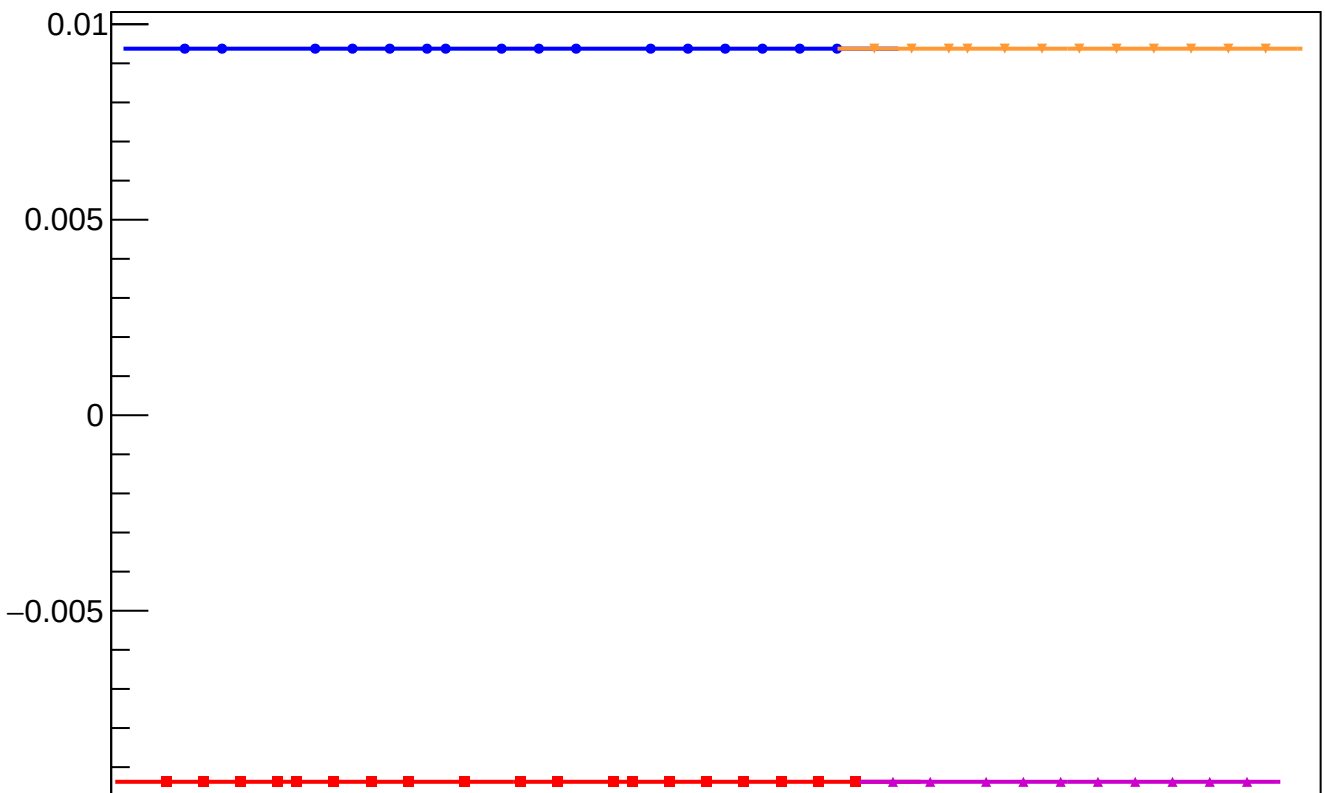
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -97.177+/-0.000 χ^2/NDF:15668868309691804

Out: 129.937+/-0.000 χ^2/NDF:1662242360065408

All: 20.183+/-0.000 χ^2/NDF: 327297496170

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:0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

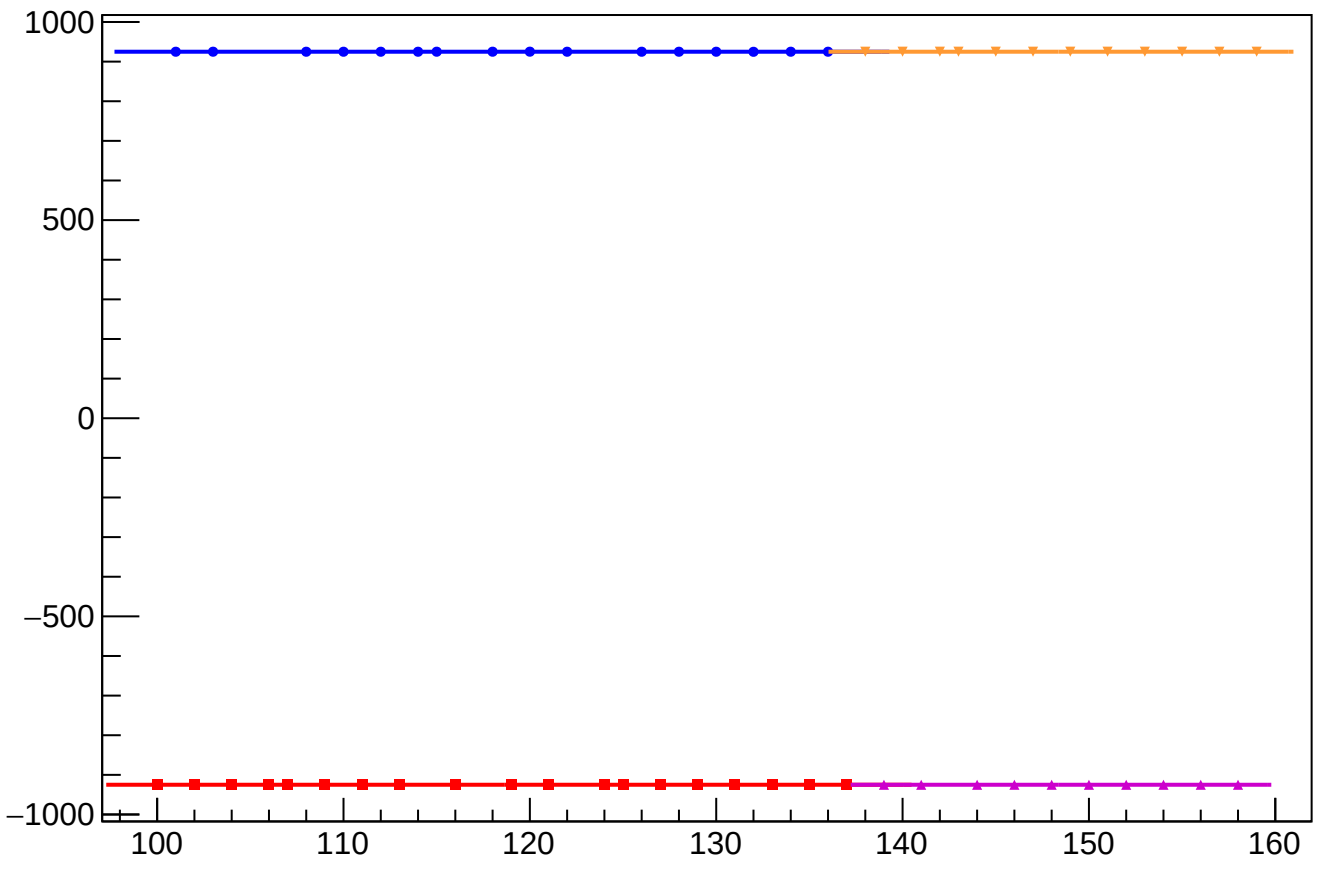
Left: 0.000+/-0.000 χ^2/NDF: 166600657894736210

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: 0.000+/-0.000 χ^2/NDF: 2990531704428



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.993+/-0.000 χ^2/NDF:5959780086261740539337758474 24.0/11

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

Left In: -924.995+/-0.000 χ^2/NDF:473453777159763931692972113920.0/9

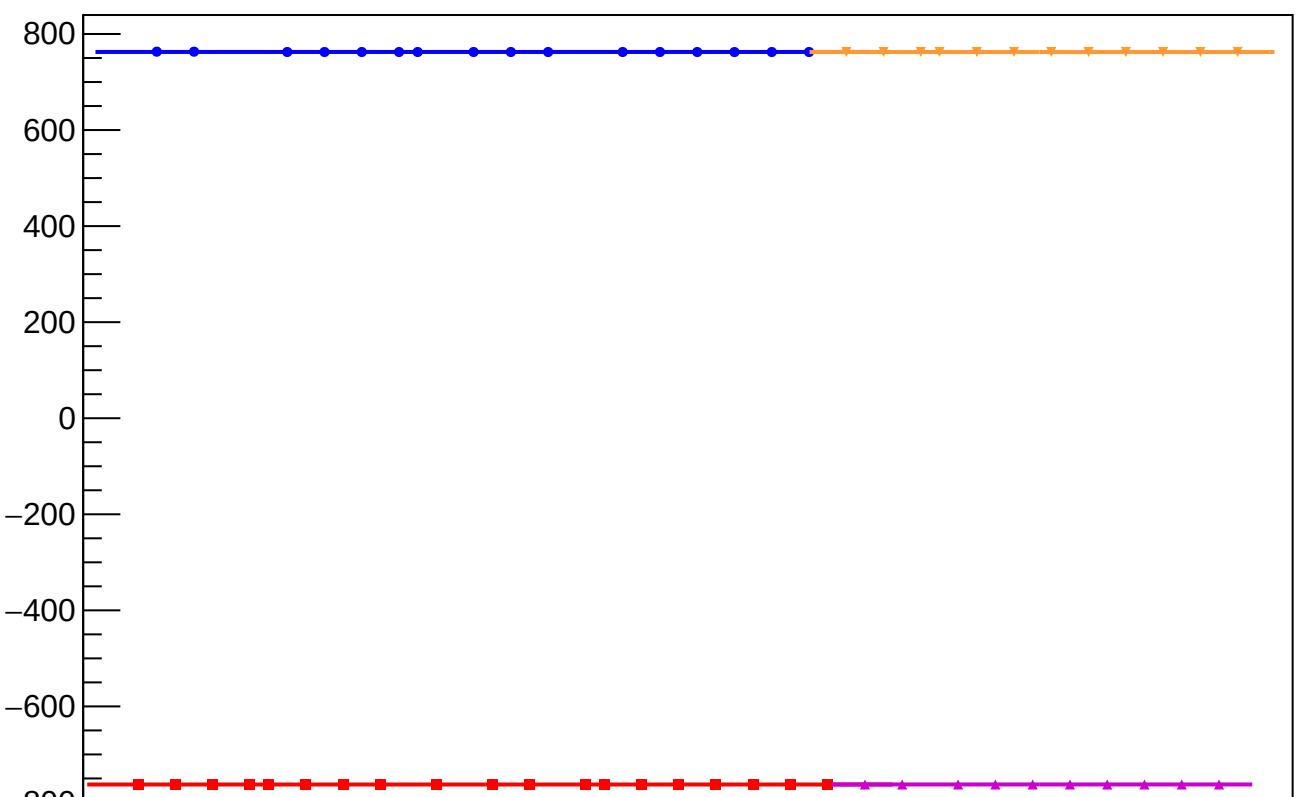
Left: 44.788+/-0.000 χ^2/NDF: 1621855764295708

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -91.669+/-0.000 χ^2/NDF:1393625453428493

Out: 122.534+/-0.000 χ^2/NDF:147858457538879

All: 19.020+/-0.000 χ^2/NDF: 291121281948



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.500+/-0.000 χ^2/NDF:866787854100929117214956584960.0/11

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.501+/-0.000 χ^2/NDF:659765359613385590419887226880.0/9

Left: 36.920+/-0.000 χ^2/NDF: 11020833707576132

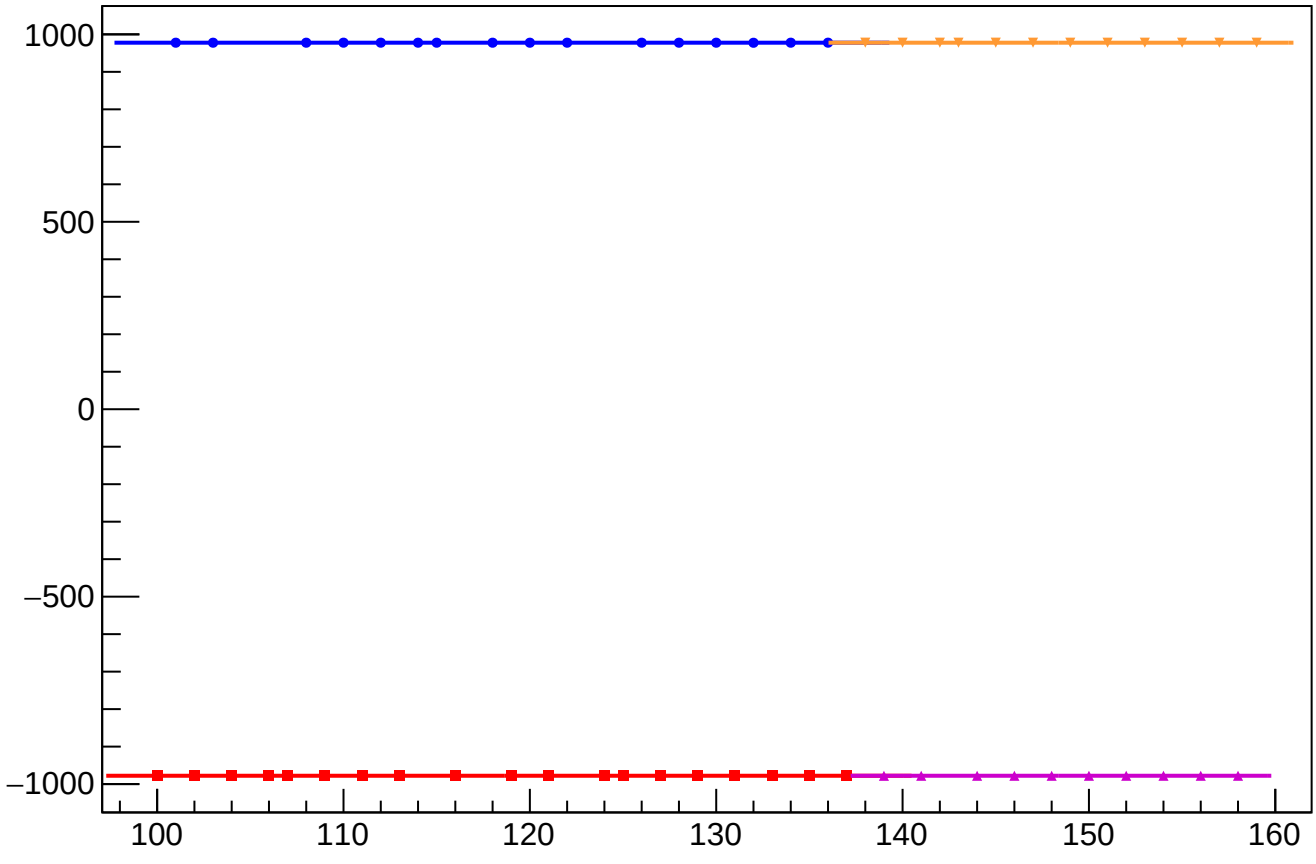
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: -75.506+/-0.000 χ^2/NDF:947161846086884336

Out: 100.951+/-0.000 χ^2/NDF:1004904672021292

All: 15.677+/-0.000 χ^2/NDF: 1978534210235

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.747+/-0.000 χ^2/NDF:933544892034528020394883940352.0/11

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.744+/-0.000 χ^2/NDF:913855141672914348994272952320.0/9

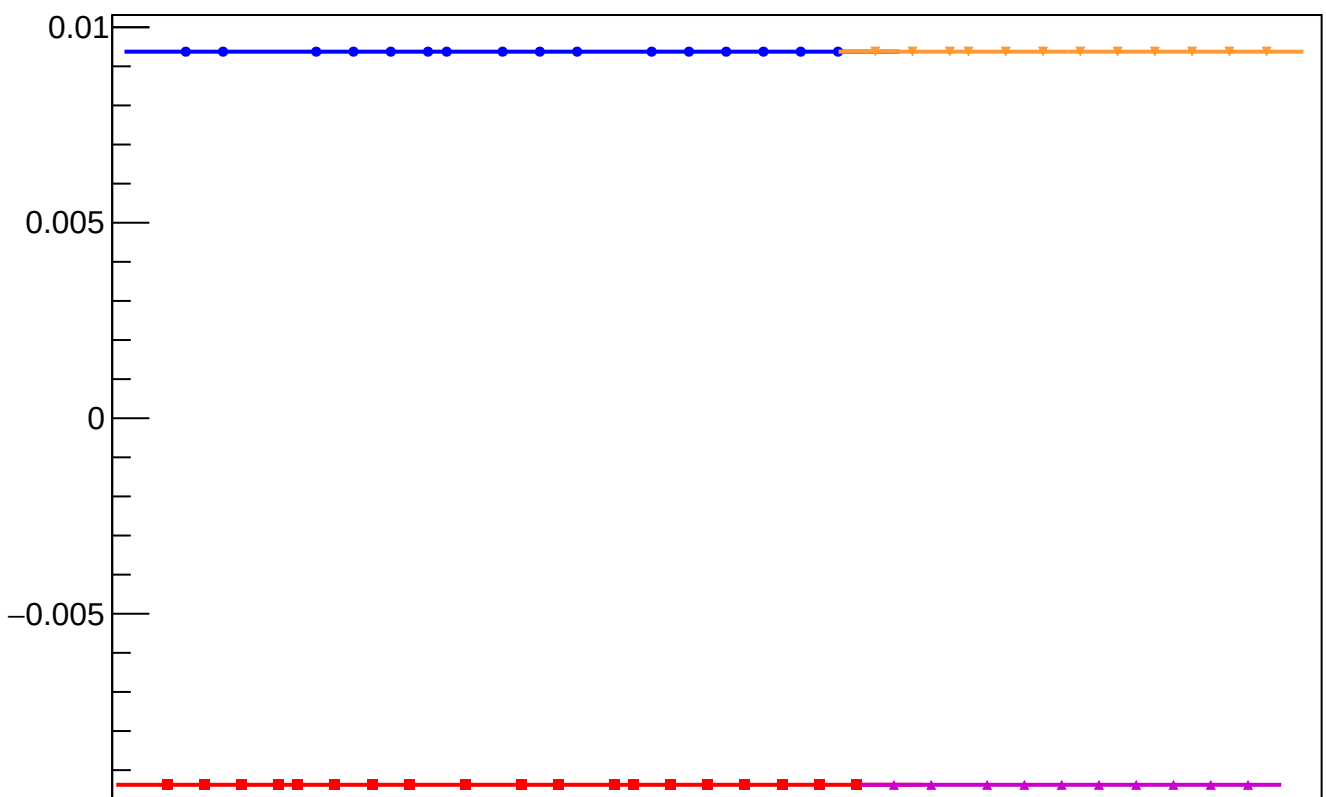
Left: 47.345+/-0.000 χ^2/NDF: 18121157237248288

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -96.880+/-0.000 χ^2/NDF:15571604039205438

Out: 129.514+/-0.000 χ^2/NDF:1652080738045852

All: 20.108+/-0.000 χ^2/NDF: 3252809765866



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

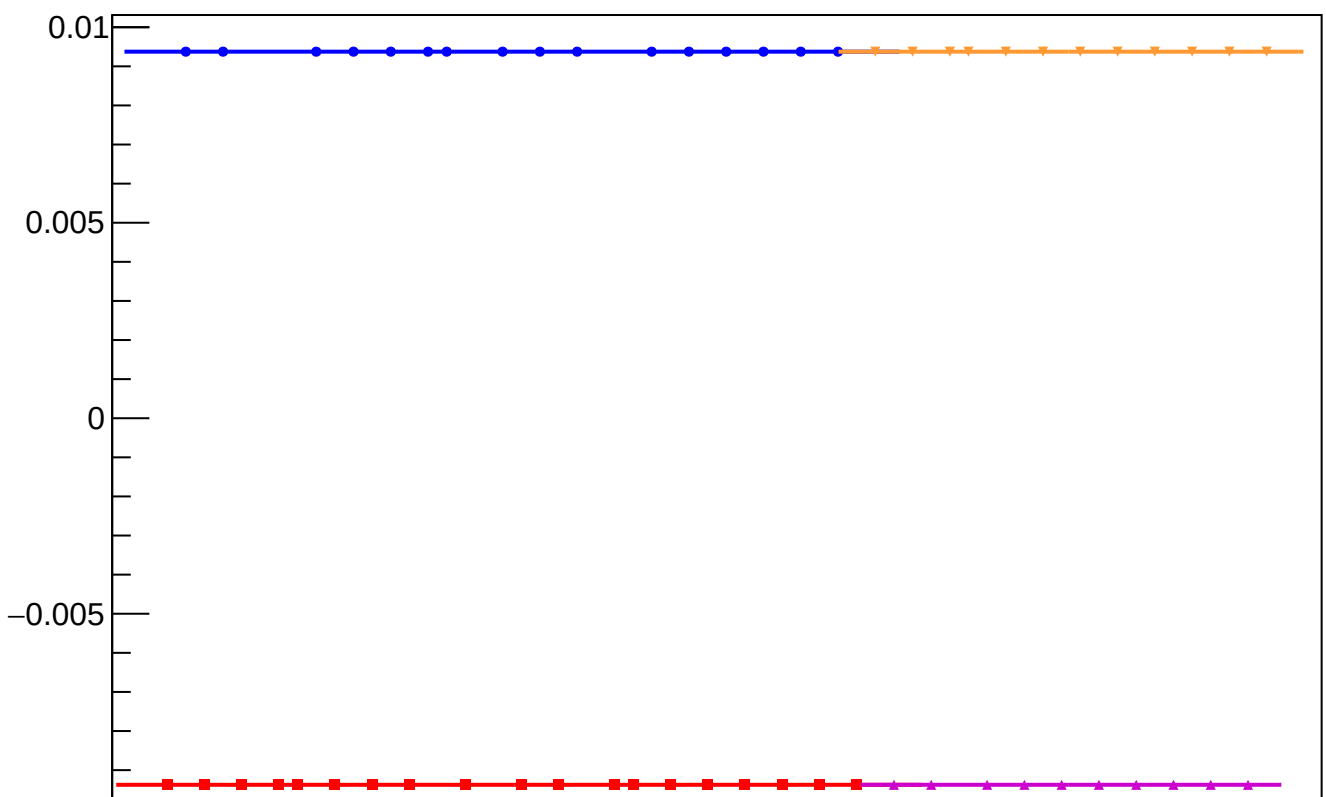
Left: 0.000+/-0.000 χ^2/NDF: 166600657894736210

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: 0.000+/-0.000 χ^2/NDF: 2990531704428



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 166600657894736210

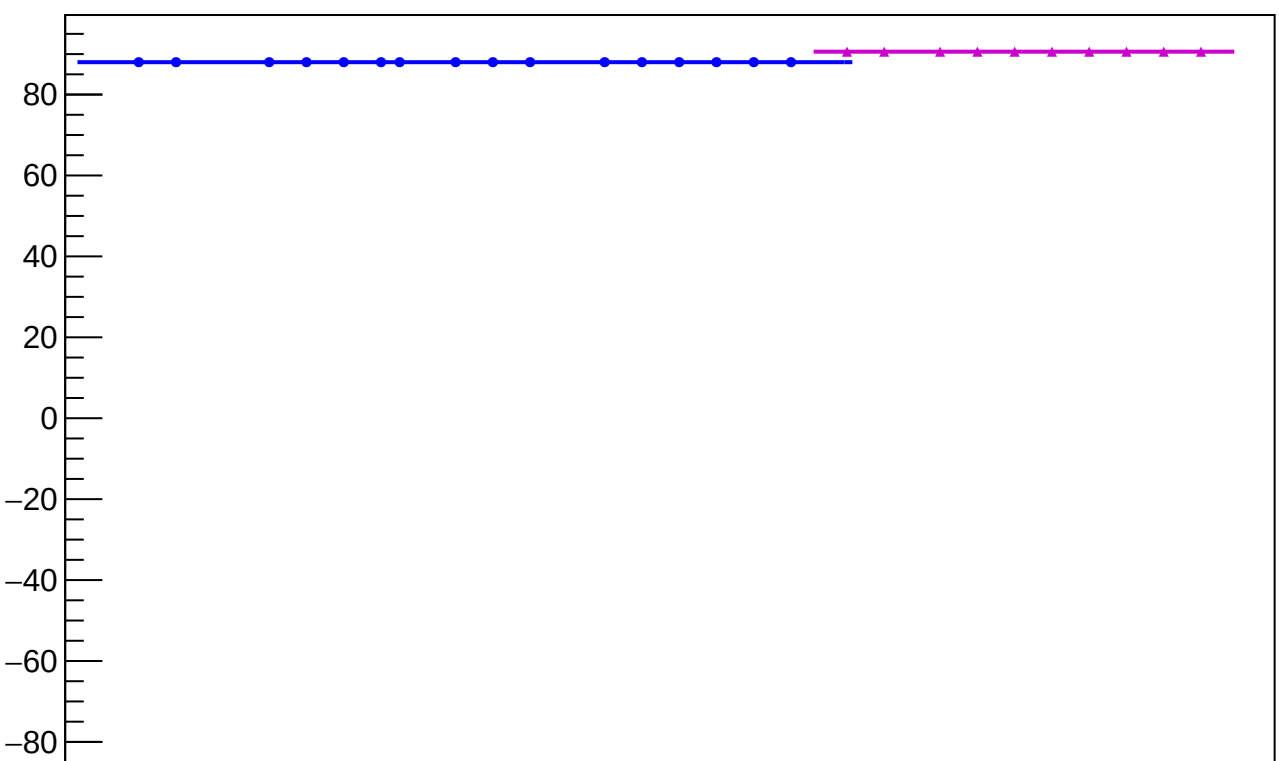
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: 0.000+/-0.000 χ^2/NDF: 2990531704428

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:3002164.8/11

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:661381.0/9

Left: -4.387+/-0.000 χ^2/NDF: 1555907641291812

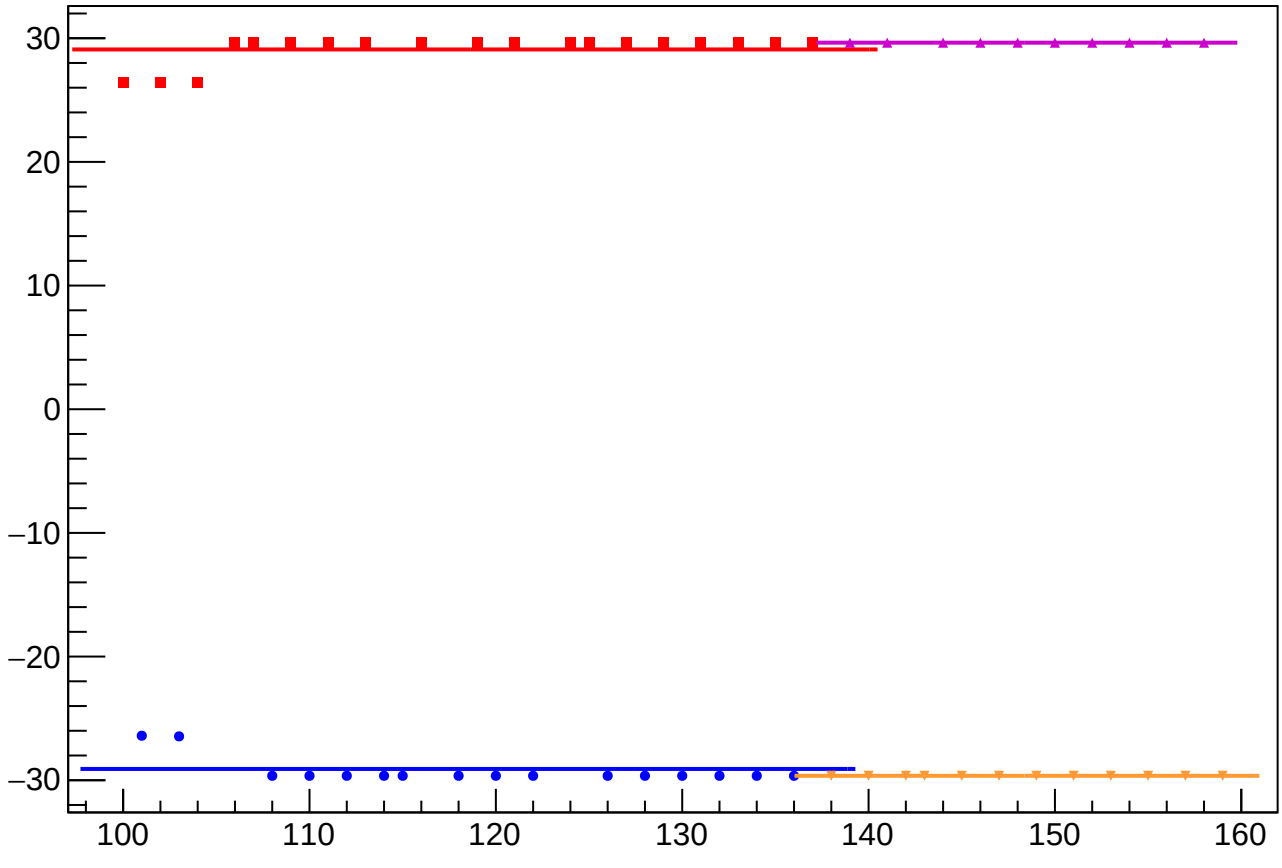
Right: -1.289+/-0.000 χ^2/NDF: 116450278289464

In: 89.429+/-0.000 χ^2/NDF:274977725482154328

Out: -89.473+/-0.000 χ^2/NDF:2911397946287903

All: -3.018+/-0.000 χ^2/NDF: 2721216281390

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 10943678852516098773550364119531520.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:184391.5/11

Right Out: 29.093+/-0.000 χ^2/NDF: 11252381567496928497978058997760000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:88655.3/9

Left: -1.435+/-0.000 χ^2/NDF: 16653716314571231

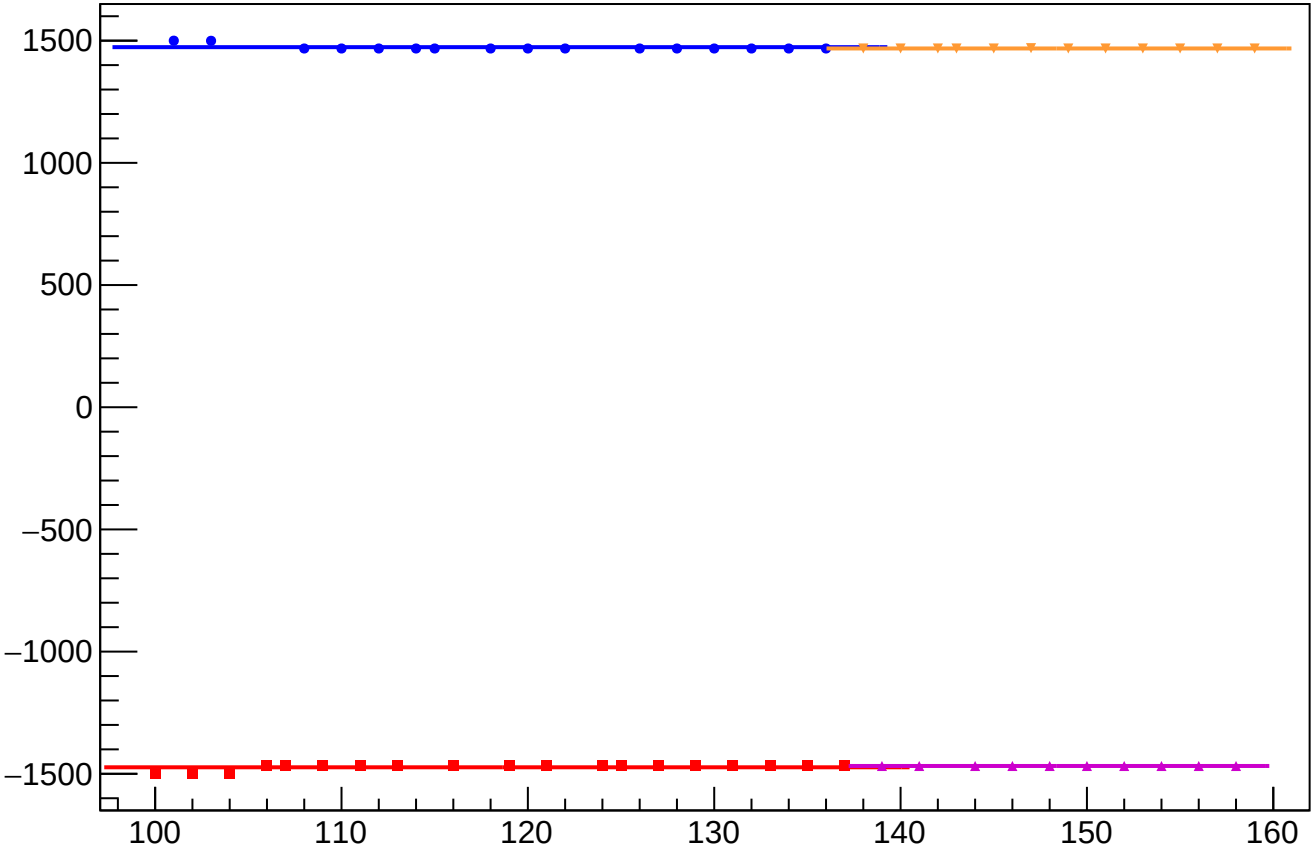
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835

In: 3.187+/-0.000 χ^2/NDF:1405469385884605275

Out: -4.164+/-0.000 χ^2/NDF:14914866338648488

All: -0.611+/-0.000 χ^2/NDF: 2942890727817

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.103+/-0.000 χ^2/NDF:1341184375881958664463264723763200.0/11

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.987+/-0.000 χ^2/NDF:866548672293382984379431649280.0/9

Left: 71.142+/-0.000 χ^2/NDF: 4085197242274207

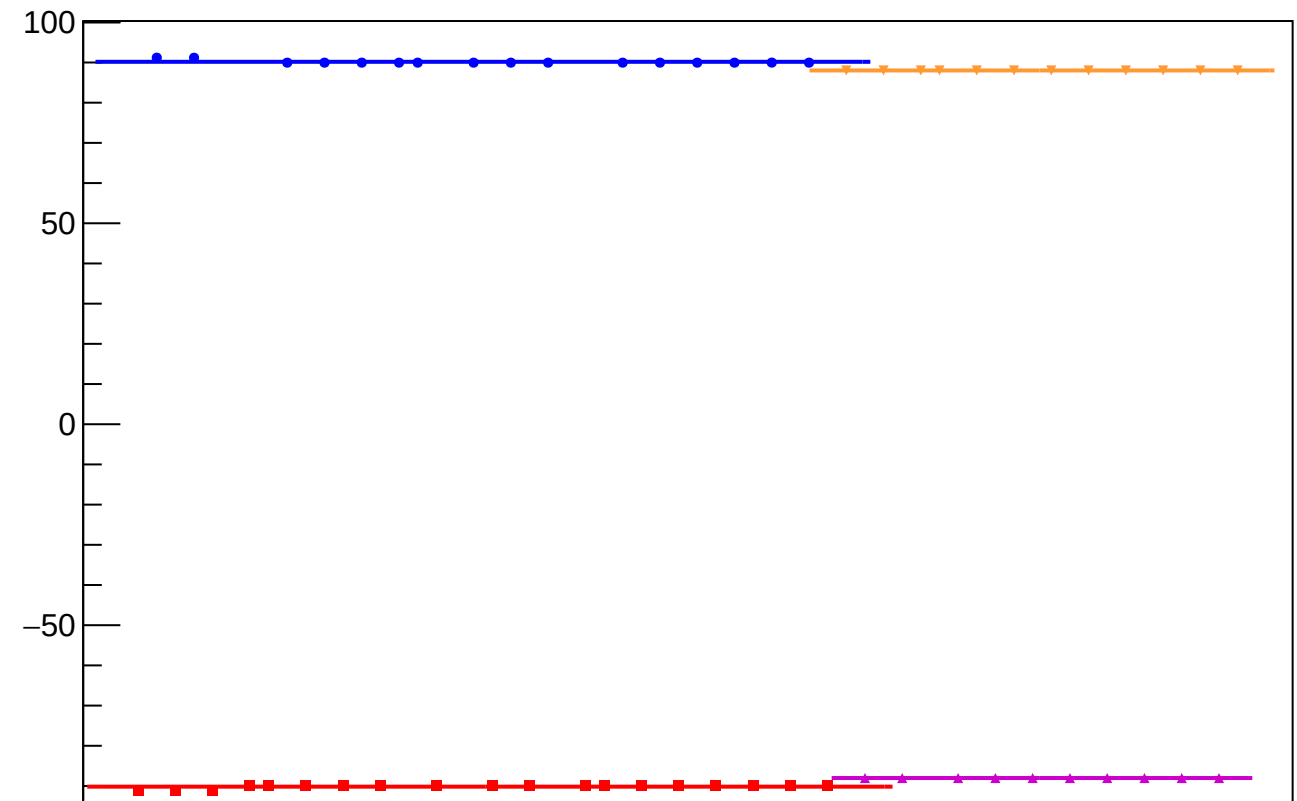
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: -142.992+/-0.000 χ^2/NDF:3523369928149975

Out: 192.173+/-0.000 χ^2/NDF:3738242145618672

All: 30.203+/-0.000 χ^2/NDF: 7357102000656

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:2523345.2/11

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:438430.0/9

Left: 4.262+/-0.000 χ^2/NDF: 146860102234147789

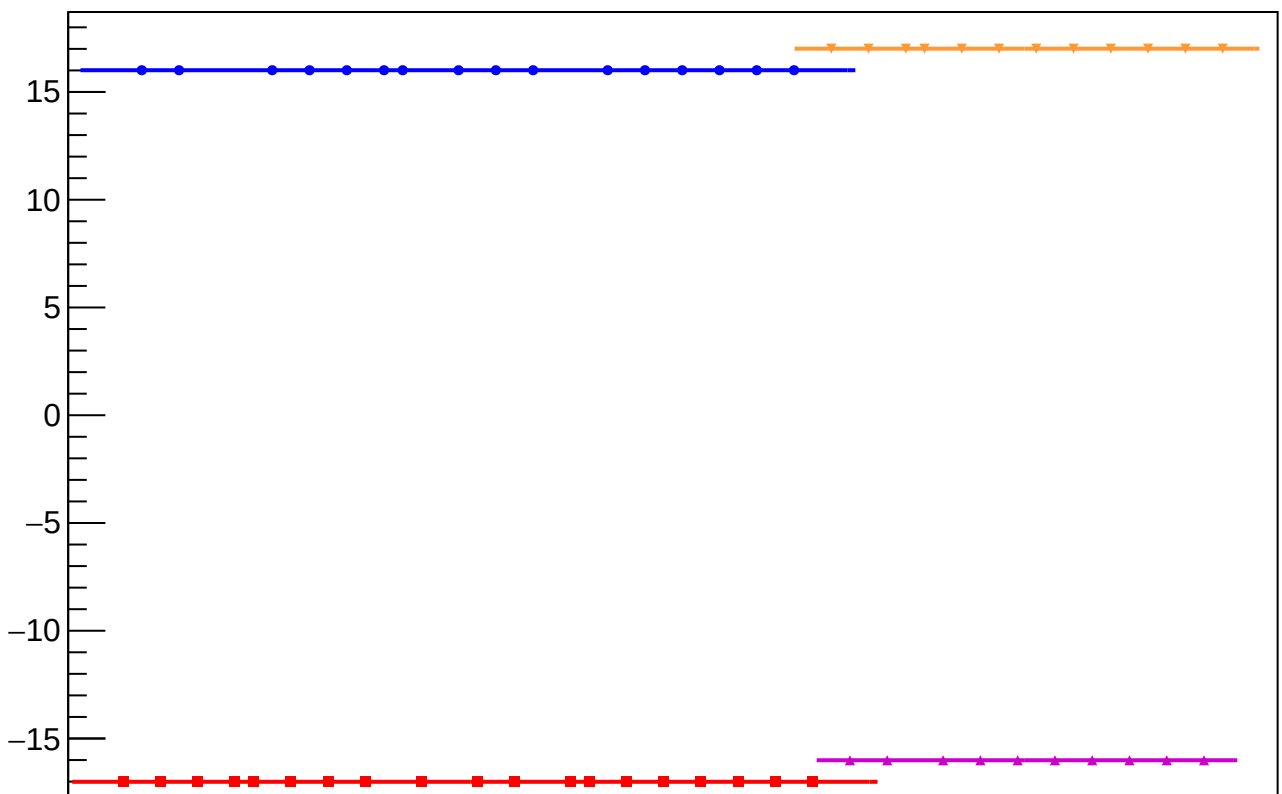
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -7.752+/-0.000 χ^2/NDF:129303307183237306

Out: 10.728+/-0.000 χ^2/NDF:1371791746533528

All: 1.797+/-0.000 χ^2/NDF: 2693854531169

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:9903582461539219350224896.0/11

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:103284.0/9

Left: 0.880+/-0.000 χ^2/NDF: 473453043537536584

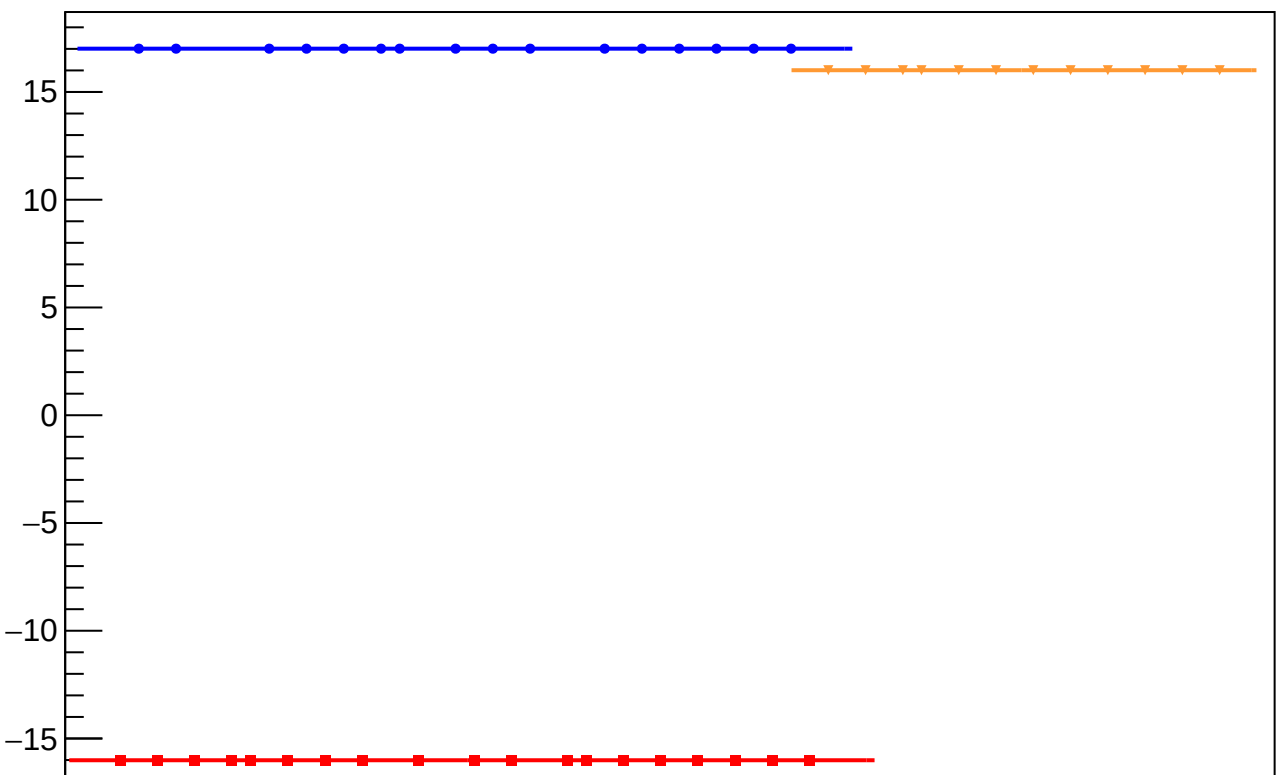
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -1.517+/-0.000 χ^2/NDF:393950586157671083

Out: 2.107+/-0.000 χ^2/NDF:450670377404287079

All: 0.313+/-0.000 χ^2/NDF: 85491030257709

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:57984.4/11

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:3433.1/9

Left: 0.225+/-0.000 χ^2/NDF: 514416997663107823

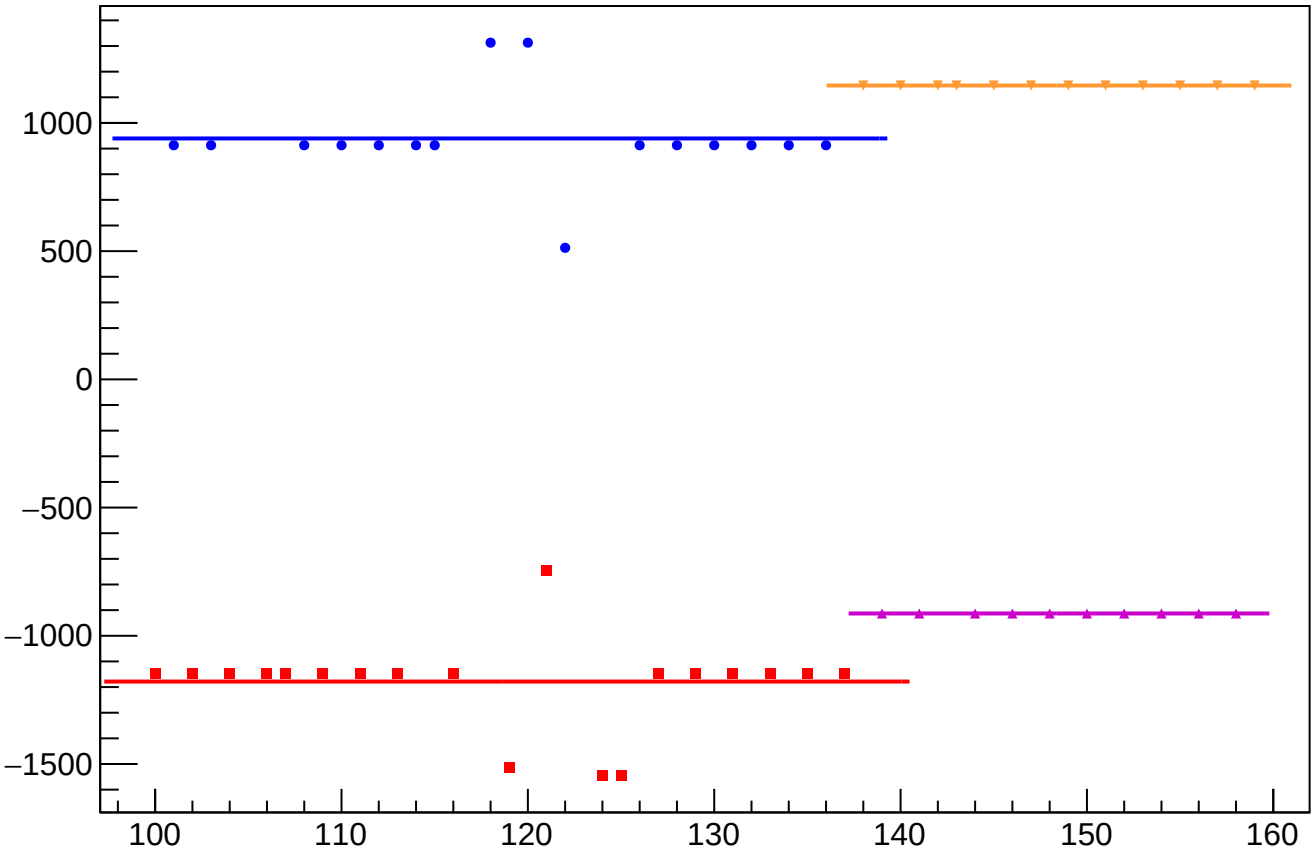
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -2.080+/-0.000 χ^2/NDF:459122955241115389

Out: 2.091+/-0.000 χ^2/NDF:439869080737154408

All: 0.089+/-0.000 χ^2/NDF: 9135659182847

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 166.358+/-0.000 χ^2/NDF: 2009041017078336

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:285755347715323657081533235 2.0/11

In: -78.551+/-0.000 χ^2/NDF:14184452102752322

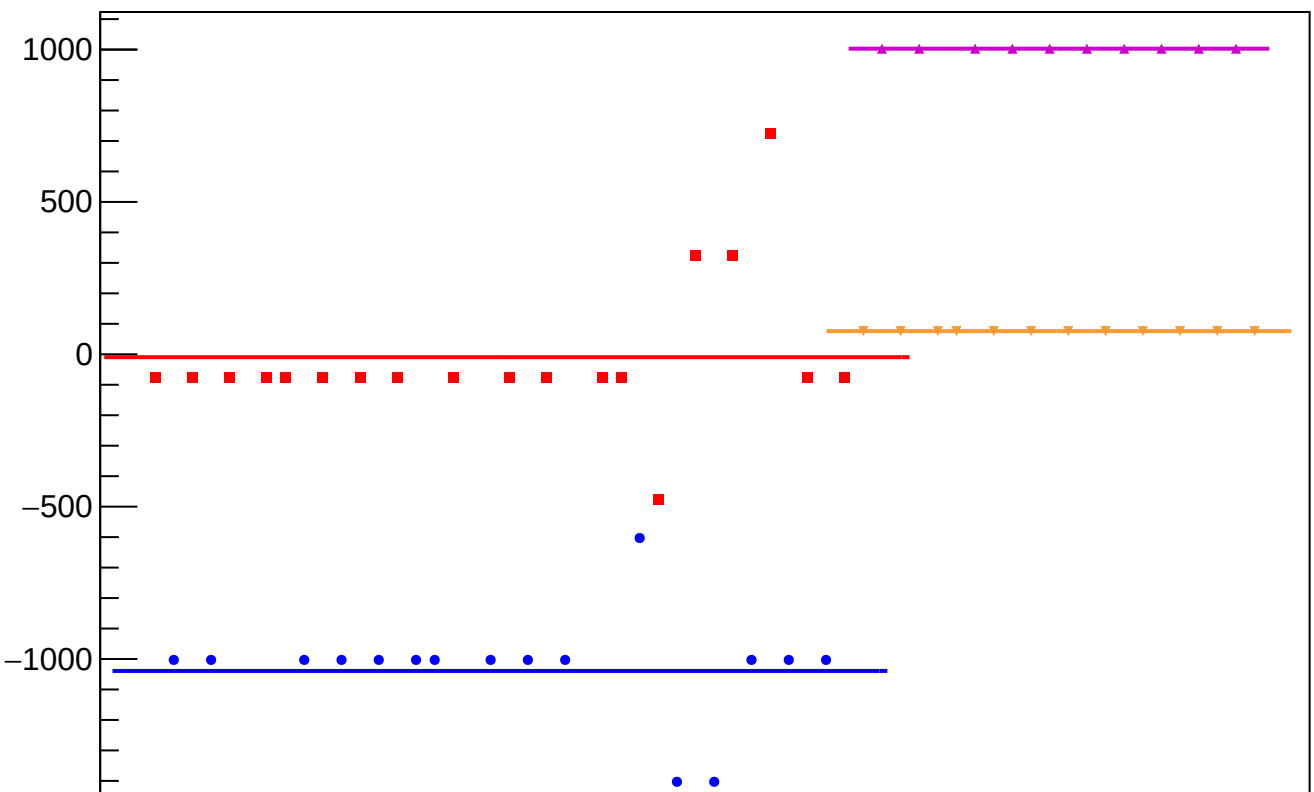
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 137.704+/-0.000 χ^2/NDF:2356598097595933

Left In: -912.994+/-0.000 χ^2/NDF:10282041872709593162498179072.0/9

All: 33.197+/-0.000 χ^2/NDF: 381479681864

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Left Out: 76.011+/-0.000 χ^2/NDF:4076855540886493554785910784.0/11

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Left In: 1002.990+/-0.000 χ^2/NDF:14786867856529608613266718720.0/9

Left: 517.058+/-0.000 χ^2/NDF: 4072056395109847

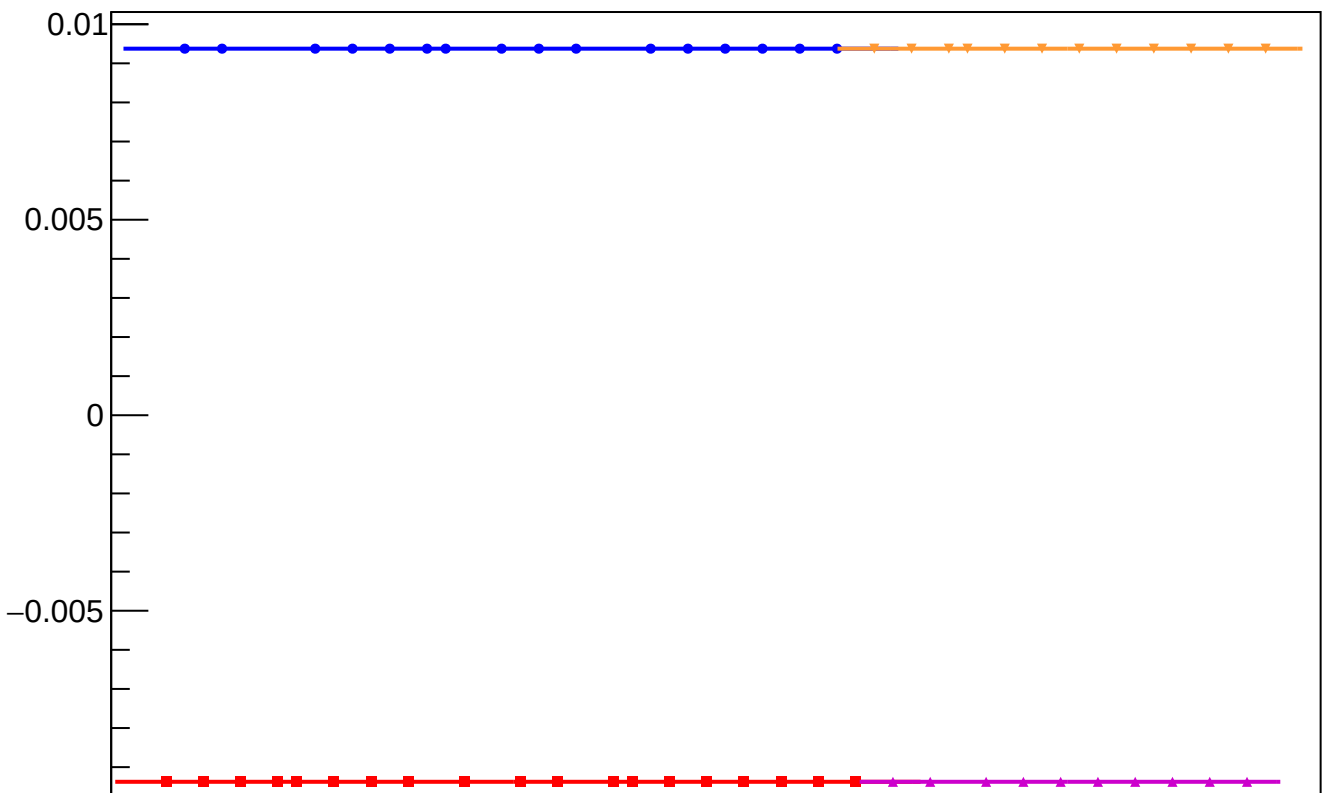
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: 83.093+/-0.000 χ^2/NDF:172109213291552573

Out: 38.949+/-0.000 χ^2/NDF:49211284796704987

All: 60.282+/-0.000 χ^2/NDF: 1771959853772

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:0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 166600657894736210

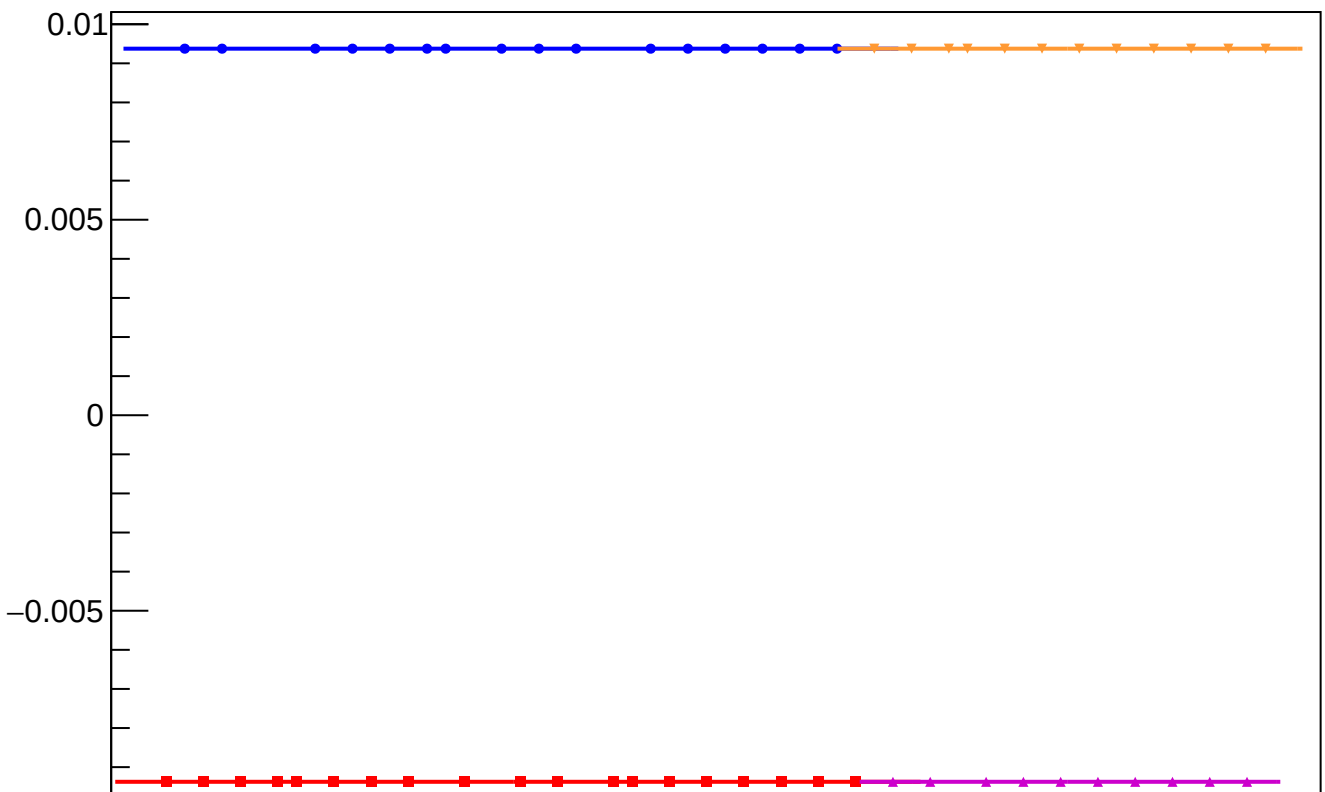
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: 0.000+/-0.000 χ^2/NDF: 2990531704428

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:0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 166600657894736210

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: 0.000+/-0.000 χ^2/NDF: 2990531704428