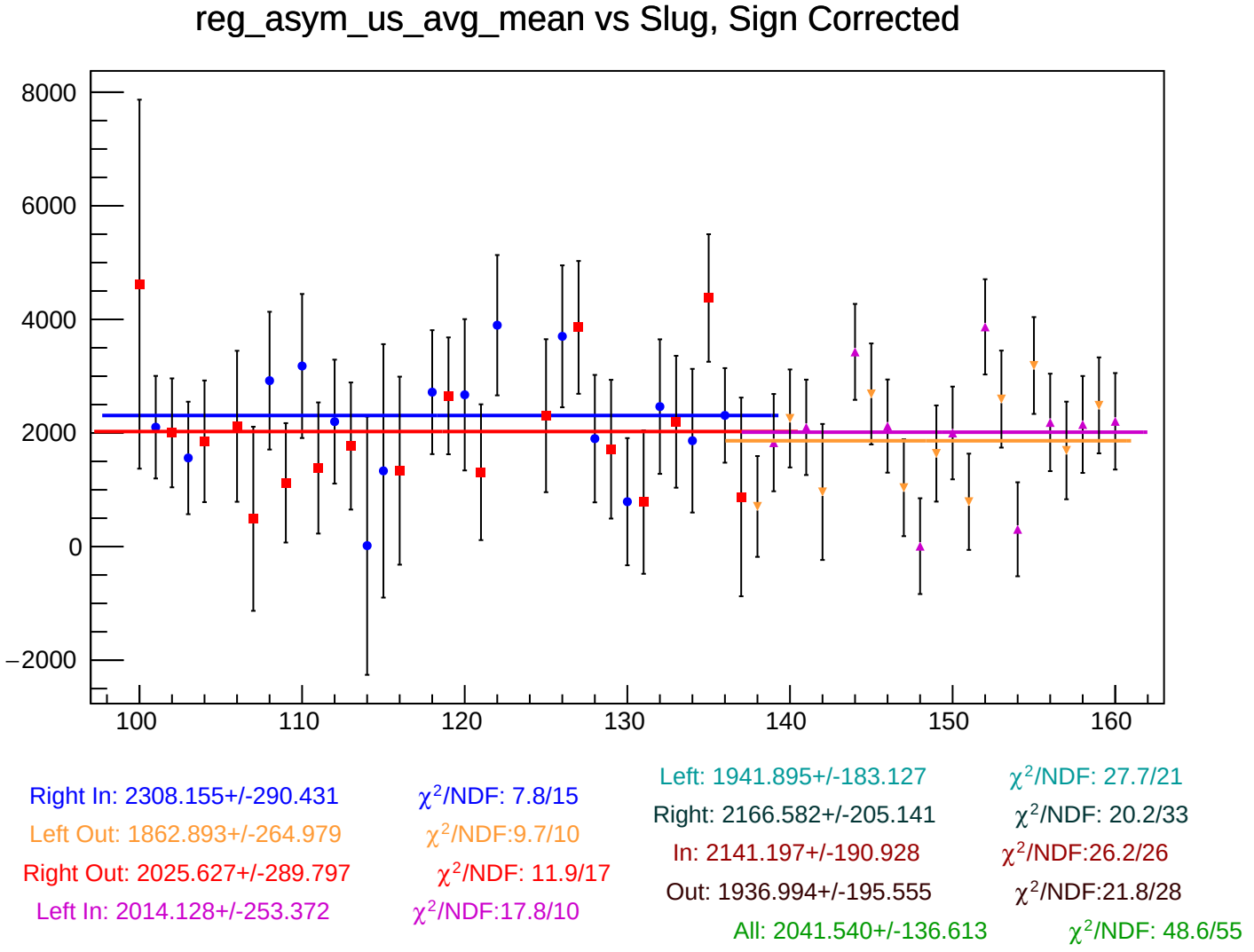
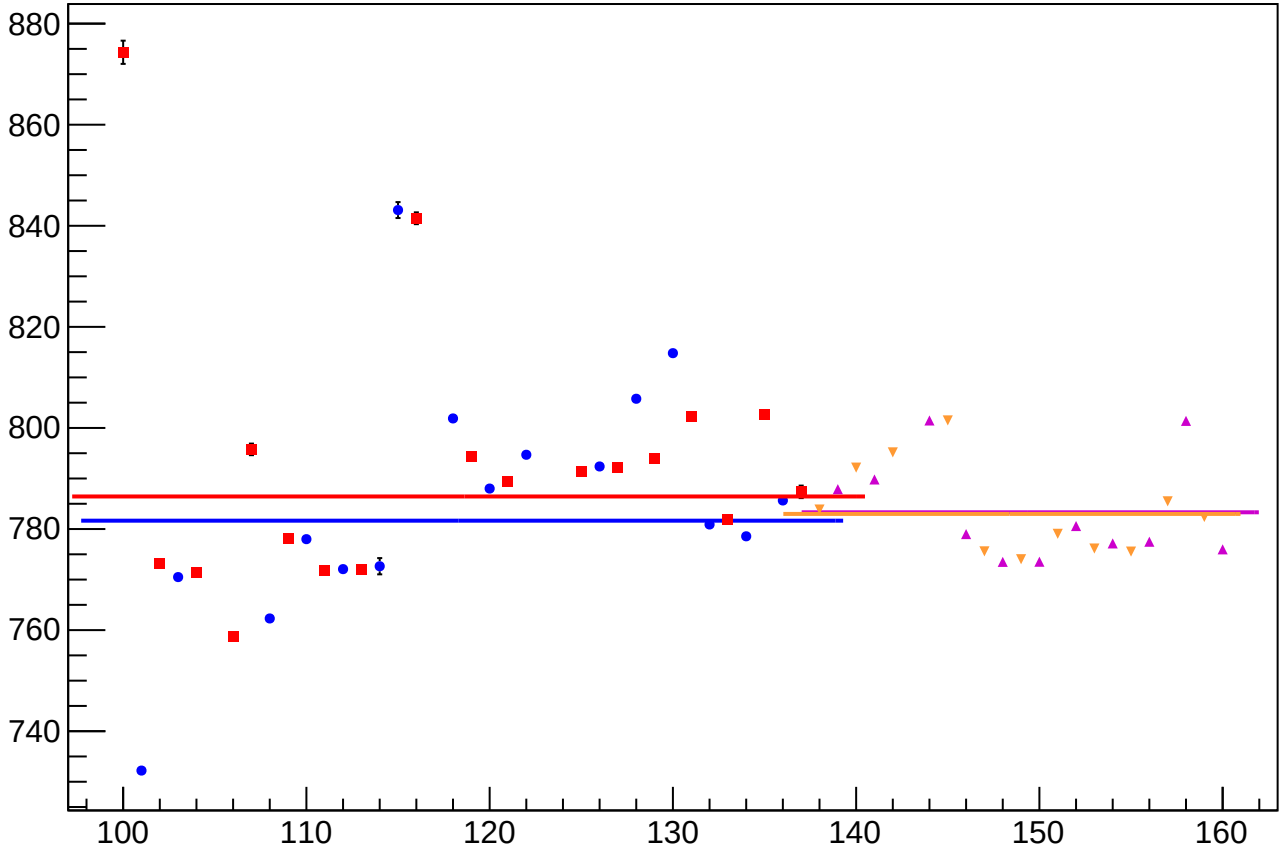

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1862.893+/-264.979
χ²/NDF:9.7/10
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2014.128+/-253.372
χ²/NDF:17.8/10
Left: 1941.895+/-183.127
χ²/NDF: 27.7/21
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2141.197+/-190.928
χ²/NDF:26.2/26
Out: 1936.994+/-195.555
χ²/NDF:21.8/28
All: 2041.540+/-136.613
χ²/NDF: 48.6/55

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: 783.313+/-0.179 χ^2/NDF:2986.5/10

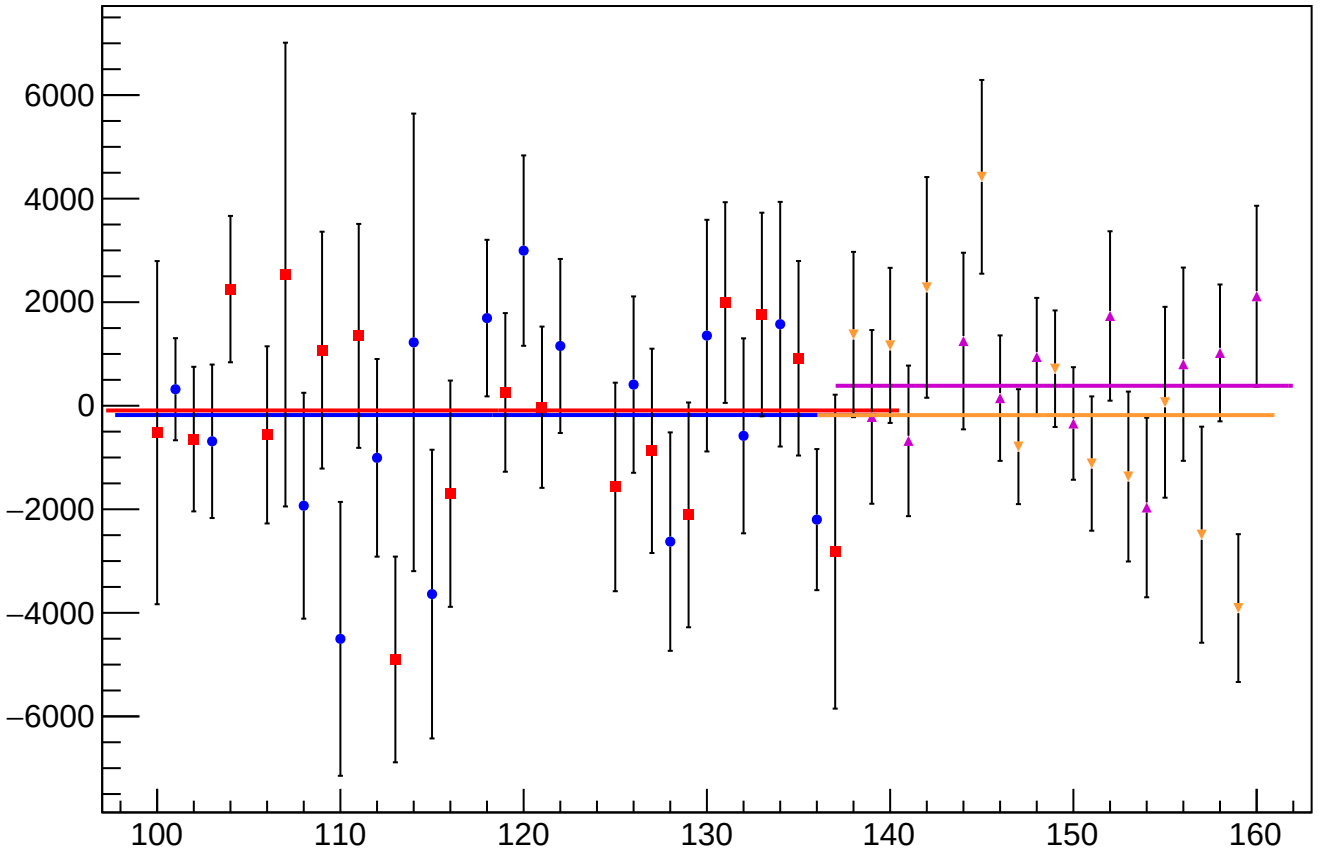
Left: 783.159+/-0.129 χ^2/NDF: 5005.8/21

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

In: 782.596+/-0.135 χ^2/NDF:15342.6/26

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

All: 783.556+/-0.097 χ^2/NDF: 24820.1/55



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: 385.441+/-431.934 χ^2/NDF:5.4/10

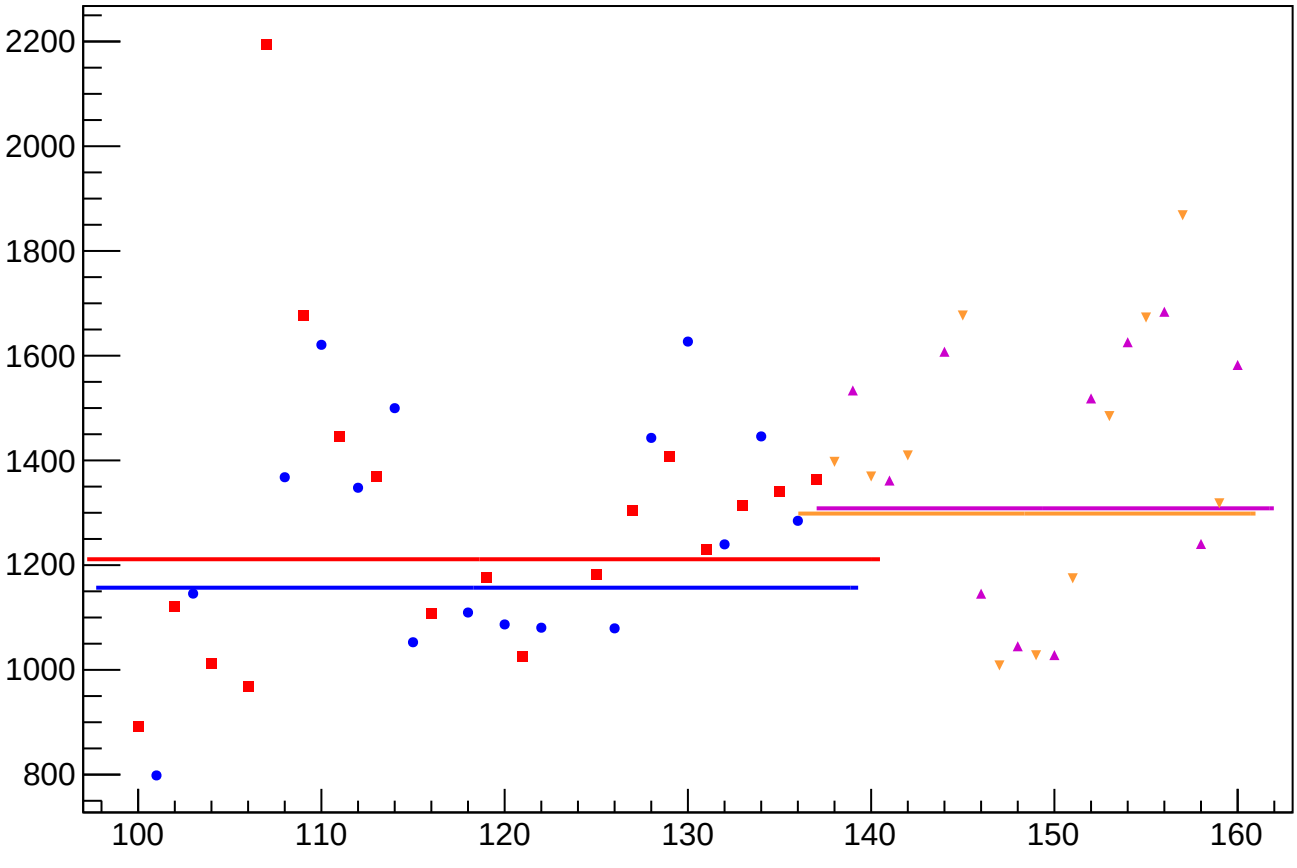
Left: 114.068+/-311.809 χ^2/NDF: 25.4/21

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

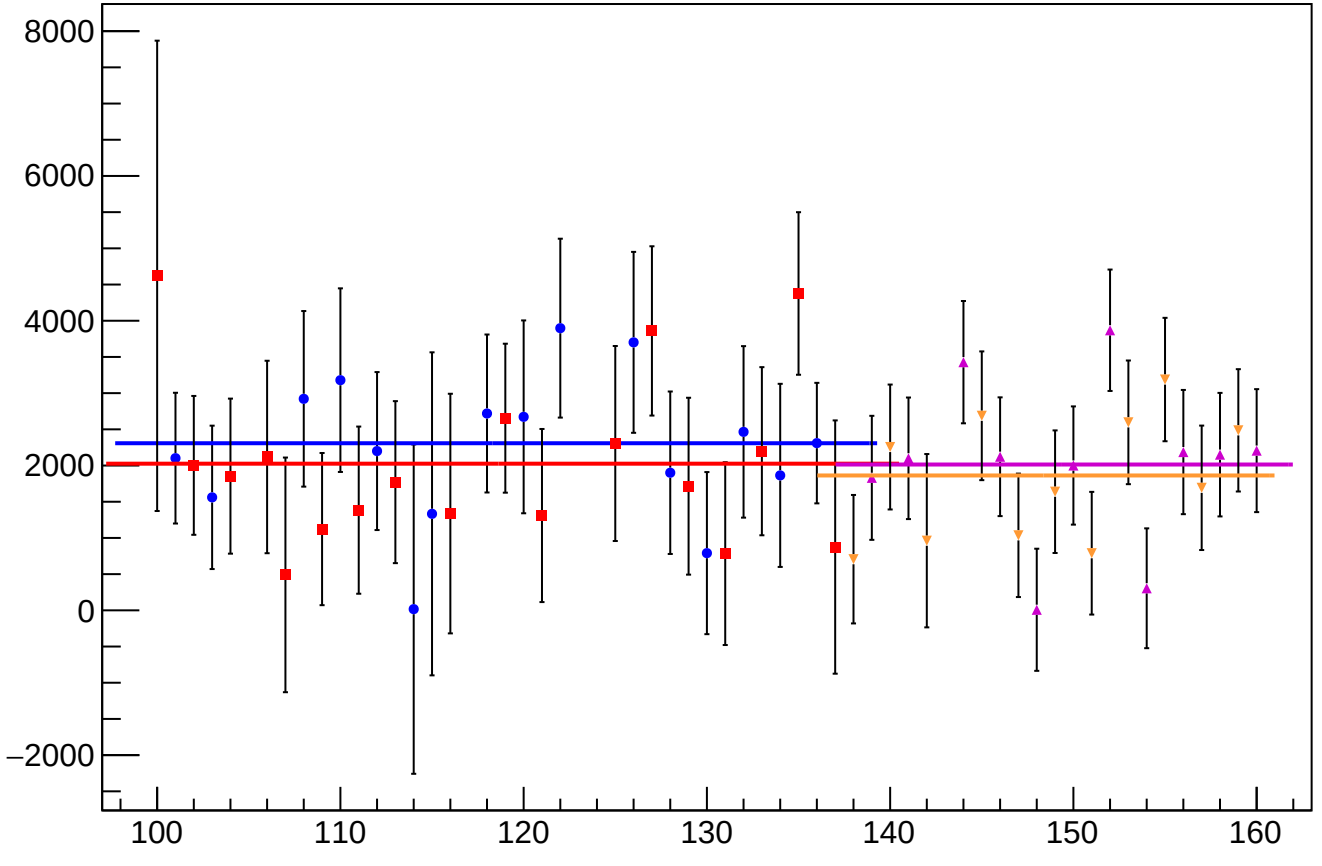
In: 108.481+/-308.500 χ^2/NDF:21.6/26

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

All: -9.583+/-222.129 χ^2/NDF: 56.4/55


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: 1308.511+/-0.305 χ²/NDF:610890.5/10
Left: 1303.714+/-0.220 χ²/NDF: 1238714.0/21
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1234.264+/-0.218 χ²/NDF:1300643.4/26
Out: 1255.286+/-0.226 χ²/NDF:1062151.8/28
All: 1244.388+/-0.157 χ²/NDF: 2367267.4/55

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: 2014.128+/-253.372 χ^2/NDF:17.8/10

Left: 1941.895+/-183.127 χ^2/NDF: 27.7/21

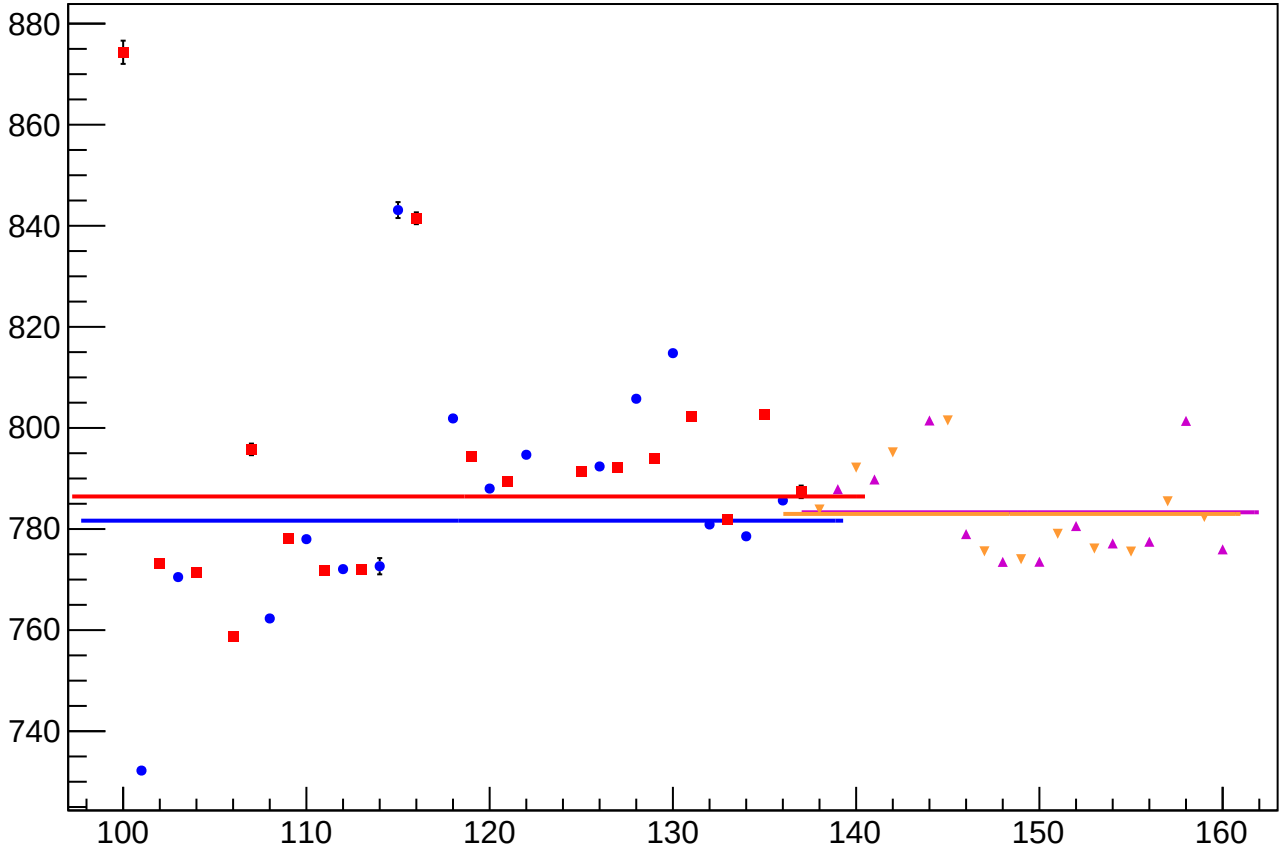
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2141.197+/-190.928 χ^2/NDF:26.2/26

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

All: 2041.540+/-136.613 χ^2/NDF: 48.6/55

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: 783.313+/-0.179 χ^2/NDF:2986.5/10

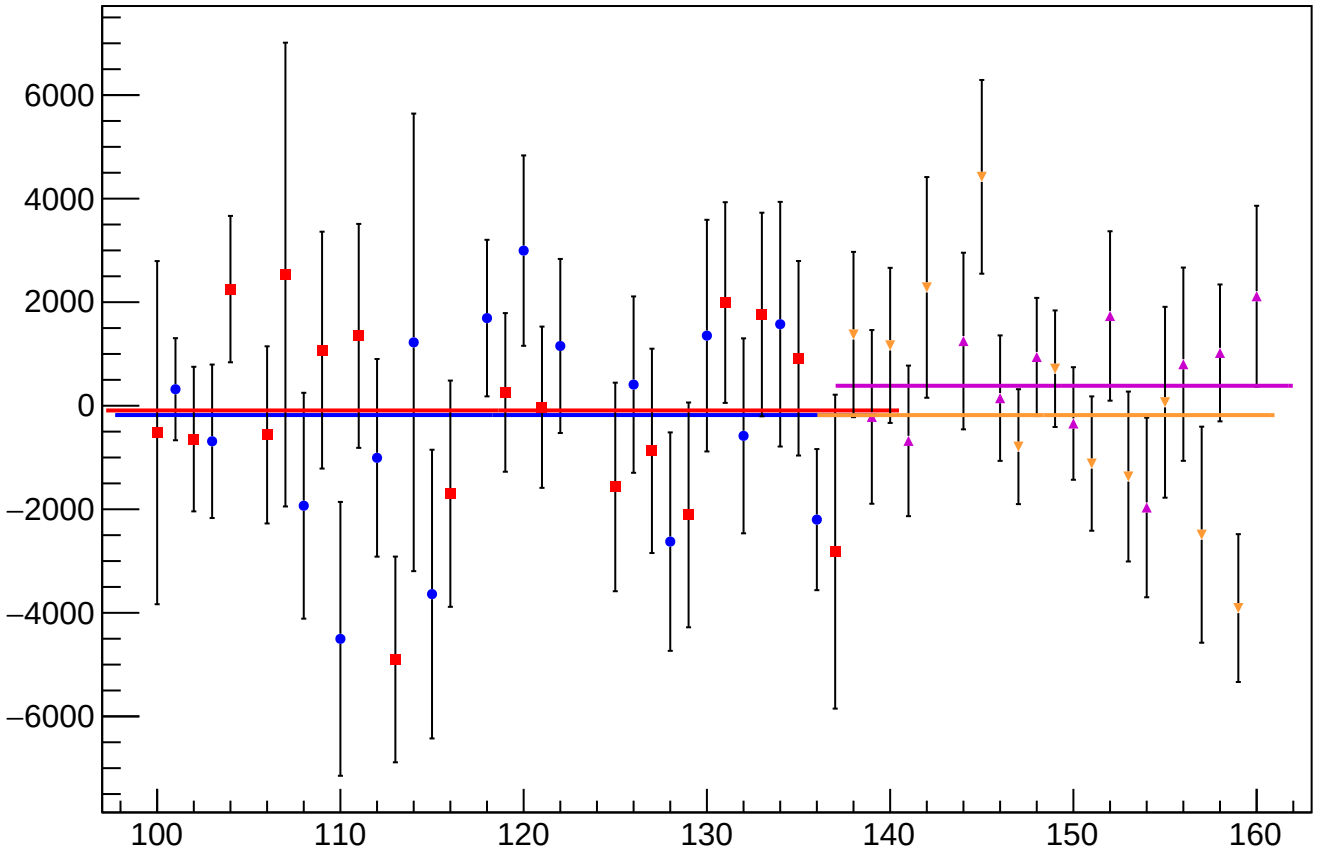
Left: 783.159+/-0.129 χ^2/NDF: 5005.8/21

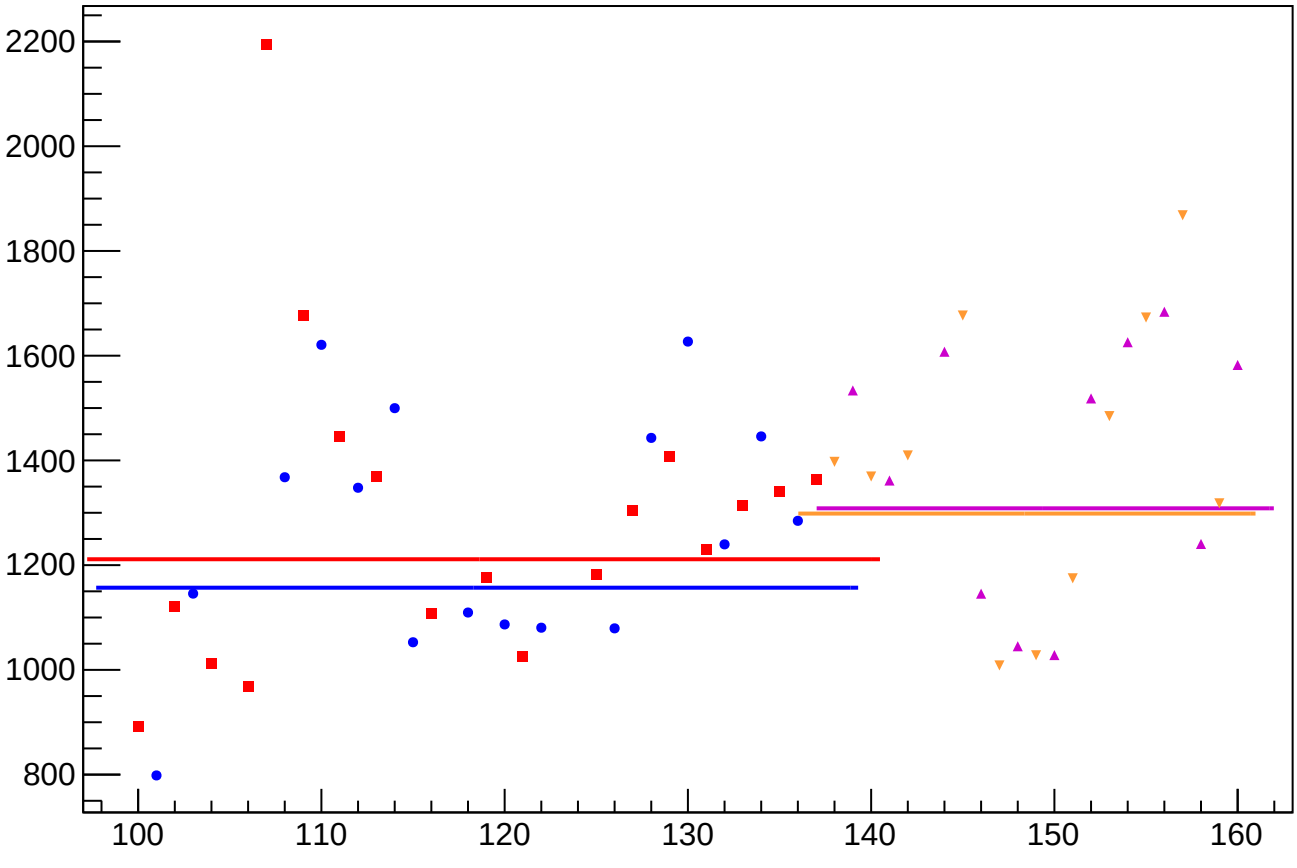
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.596+/-0.135 χ^2/NDF:15342.6/26

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

All: 783.556+/-0.097 χ^2/NDF: 24820.1/55


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -181.249+/-450.586 χ²/NDF:19.2/10
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 385.441+/-431.934 χ²/NDF:5.4/10
Left: 114.068+/-311.809 χ²/NDF: 25.4/21
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 108.481+/-308.500 χ²/NDF:21.6/26
Out: -136.689+/-320.096 χ²/NDF:34.4/28
All: -9.583+/-222.129 χ²/NDF: 56.4/55



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: 1308.511+/-0.305 χ^2/NDF:610890.5/10

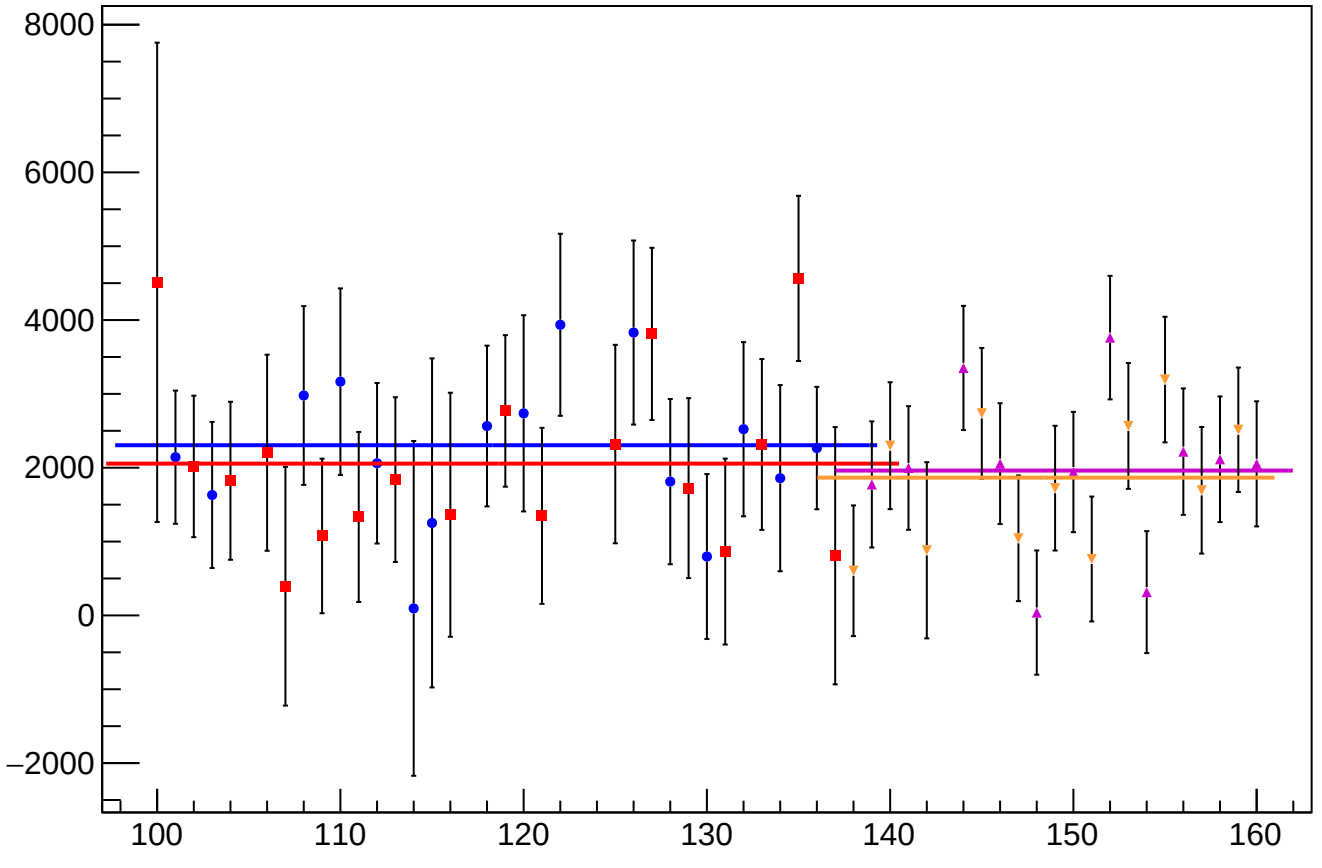
Left: 1303.714+/-0.220 χ^2/NDF: 1238714.0/21

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

In: 1234.264+/-0.218 χ^2/NDF:1300643.4/26

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

All: 1244.388+/-0.157 χ^2/NDF: 2367267.4/55



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: 1961.551+/-252.713 χ^2/NDF:16.8/10

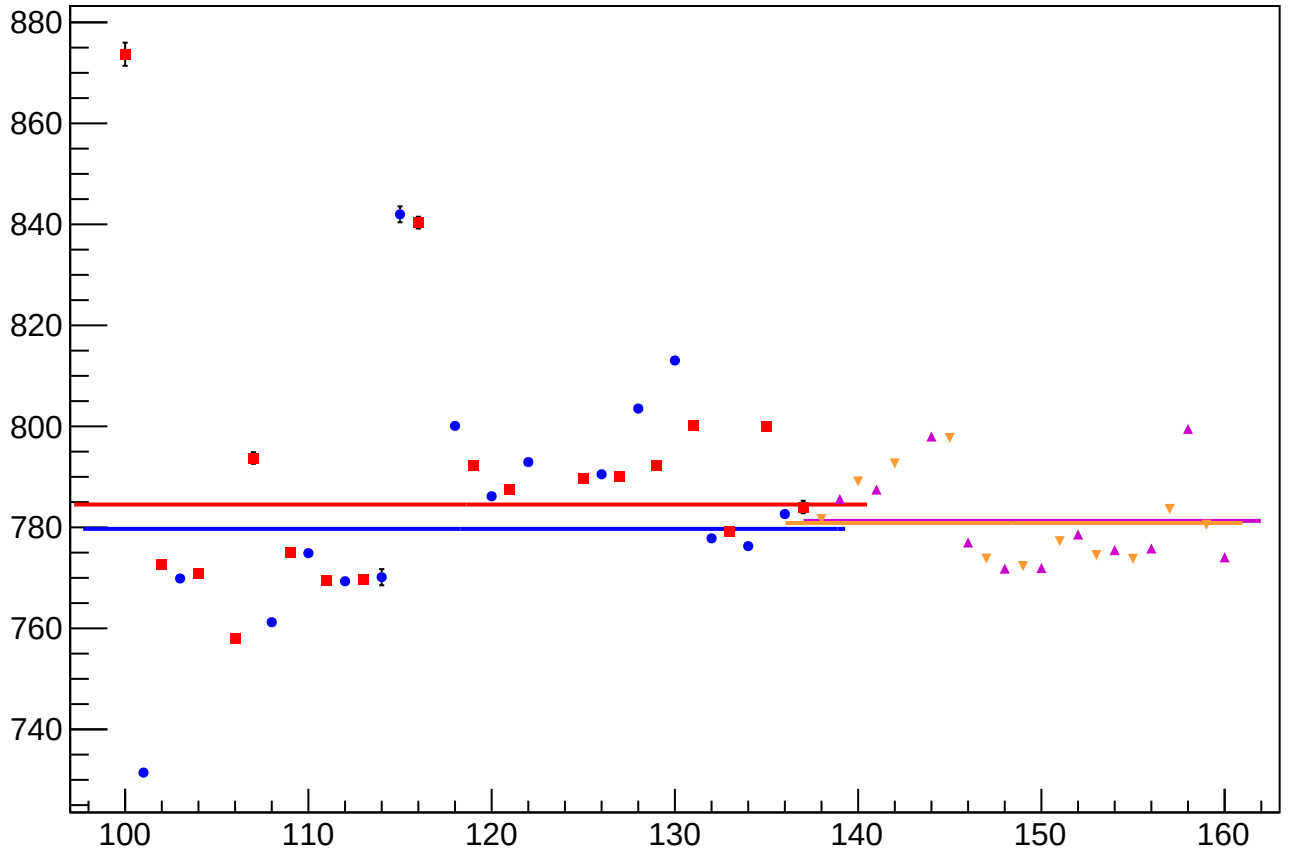
Left: 1915.816+/-182.639 χ^2/NDF: 27.2/21

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

In: 2109.898+/-190.439 χ^2/NDF:25.6/26

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

All: 2032.949+/-136.260 χ^2/NDF: 49.4/55



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: 781.280+/-0.179 χ^2/NDF:2780.5/10

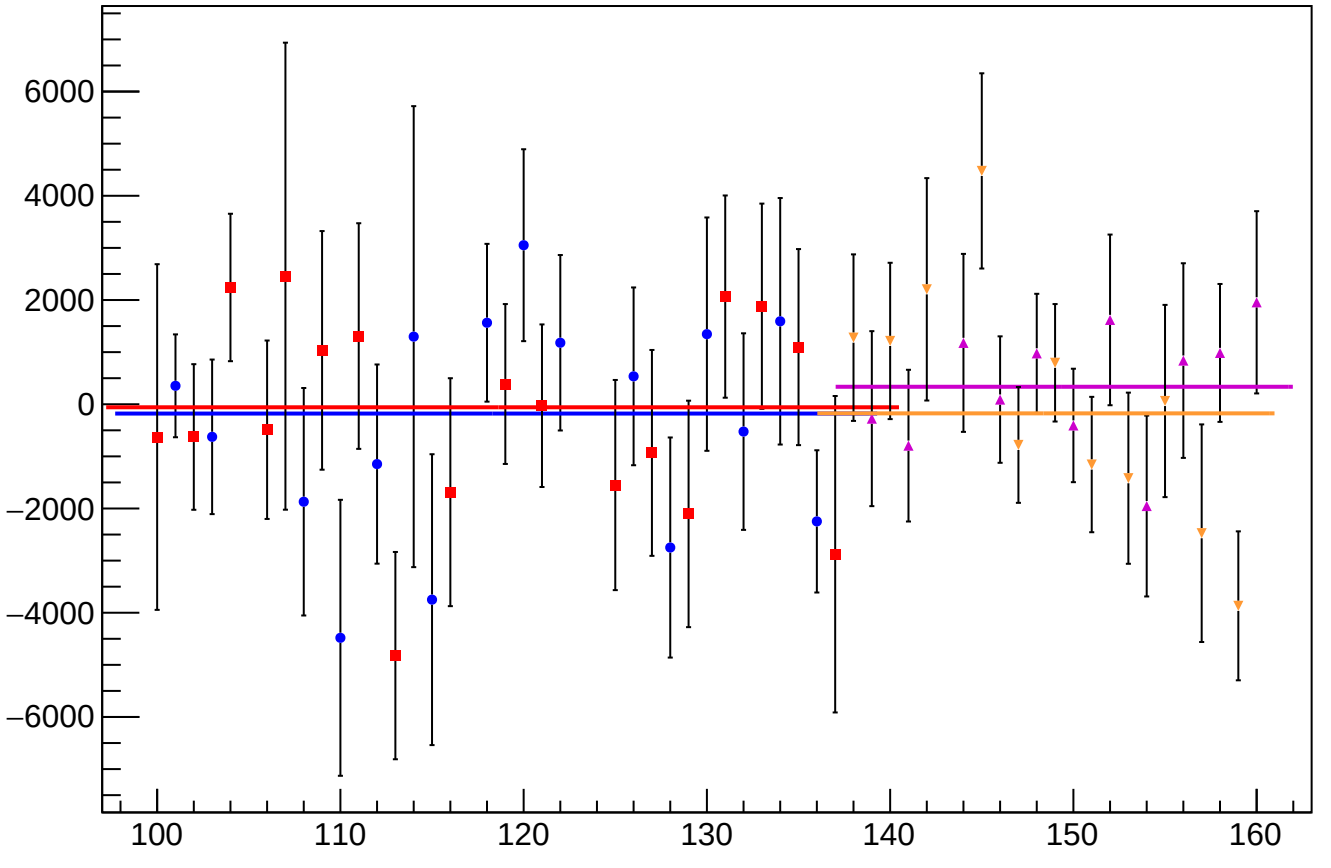
Left: 781.080+/-0.129 χ^2/NDF: 4536.4/21

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

In: 780.598+/-0.135 χ^2/NDF:14874.4/26

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

All: 781.540+/-0.096 χ^2/NDF: 24063.0/55



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: 335.571+/-432.343 χ^2/NDF:5.3/10

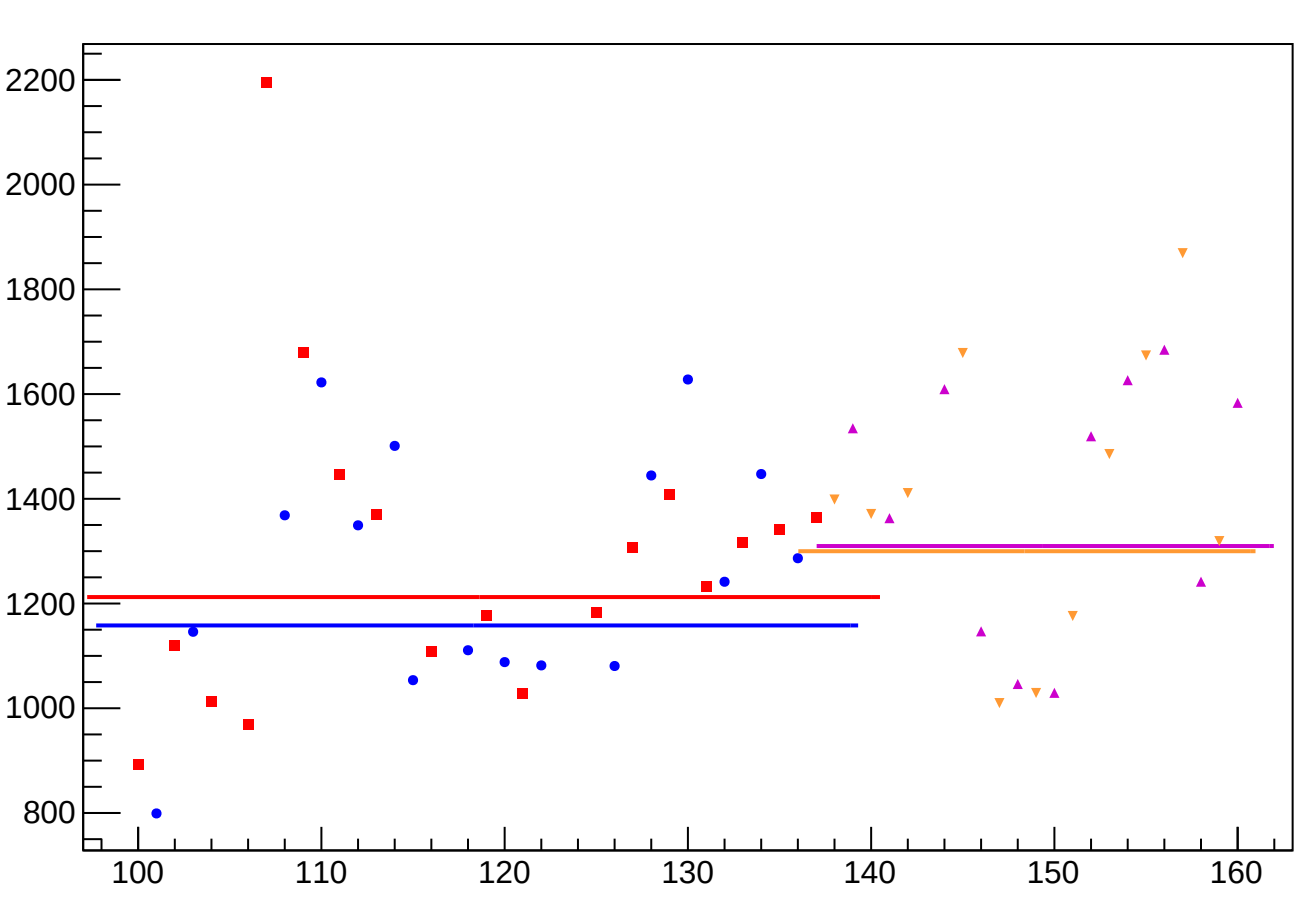
Left: 91.221+/-312.116 χ^2/NDF: 25.2/21

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

In: 83.779+/-308.802 χ^2/NDF:21.7/26

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

All: -12.872+/-222.344 χ^2/NDF: 56.4/55



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: 1309.810+/-0.306 χ^2/NDF:609479.1/10

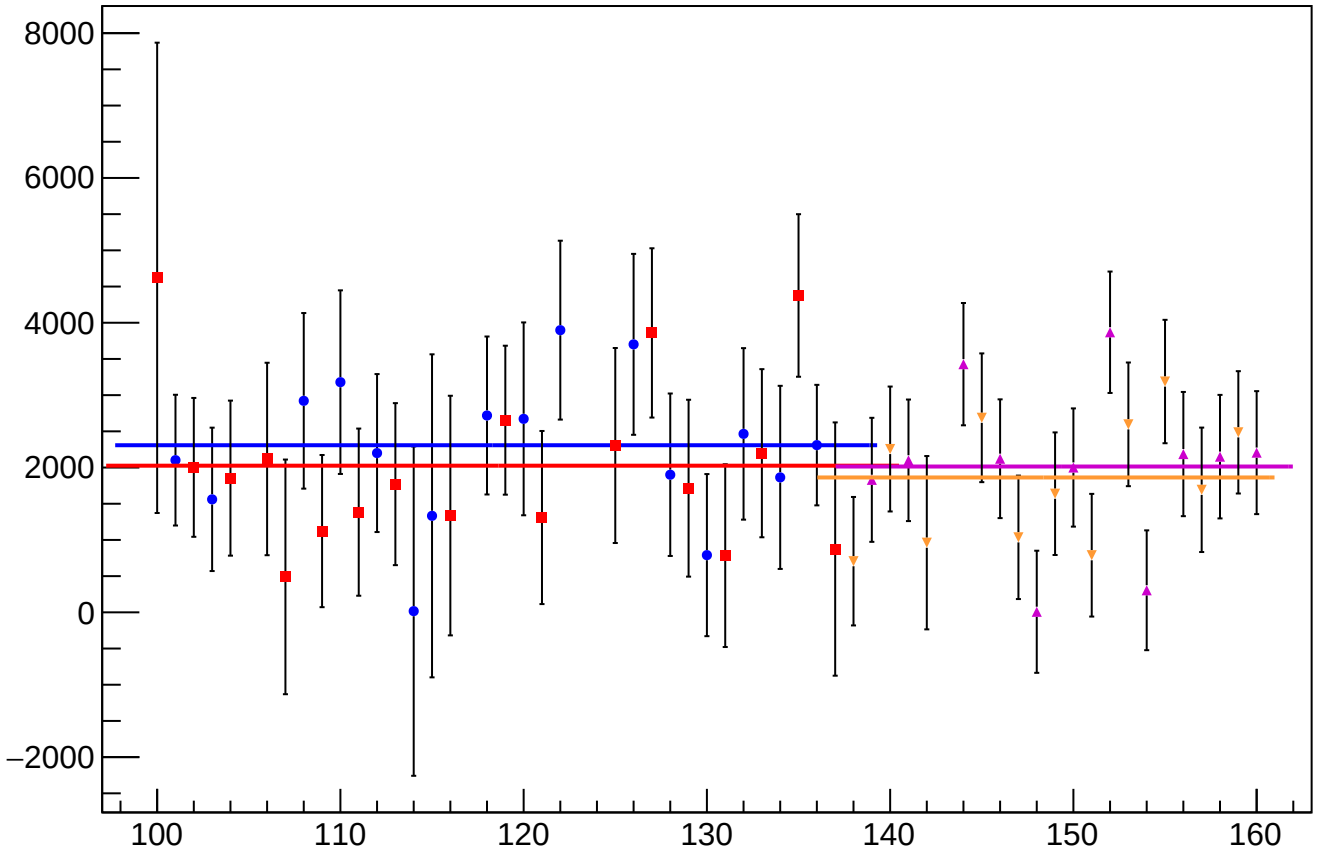
Left: 1305.065+/-0.221 χ^2/NDF: 1235807.6/21

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

In: 1235.513+/-0.218 χ^2/NDF:1299201.4/26

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

All: 1245.632+/-0.157 χ^2/NDF: 2364757.7/55



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: 2014.128+/-253.372 χ^2/NDF:17.8/10

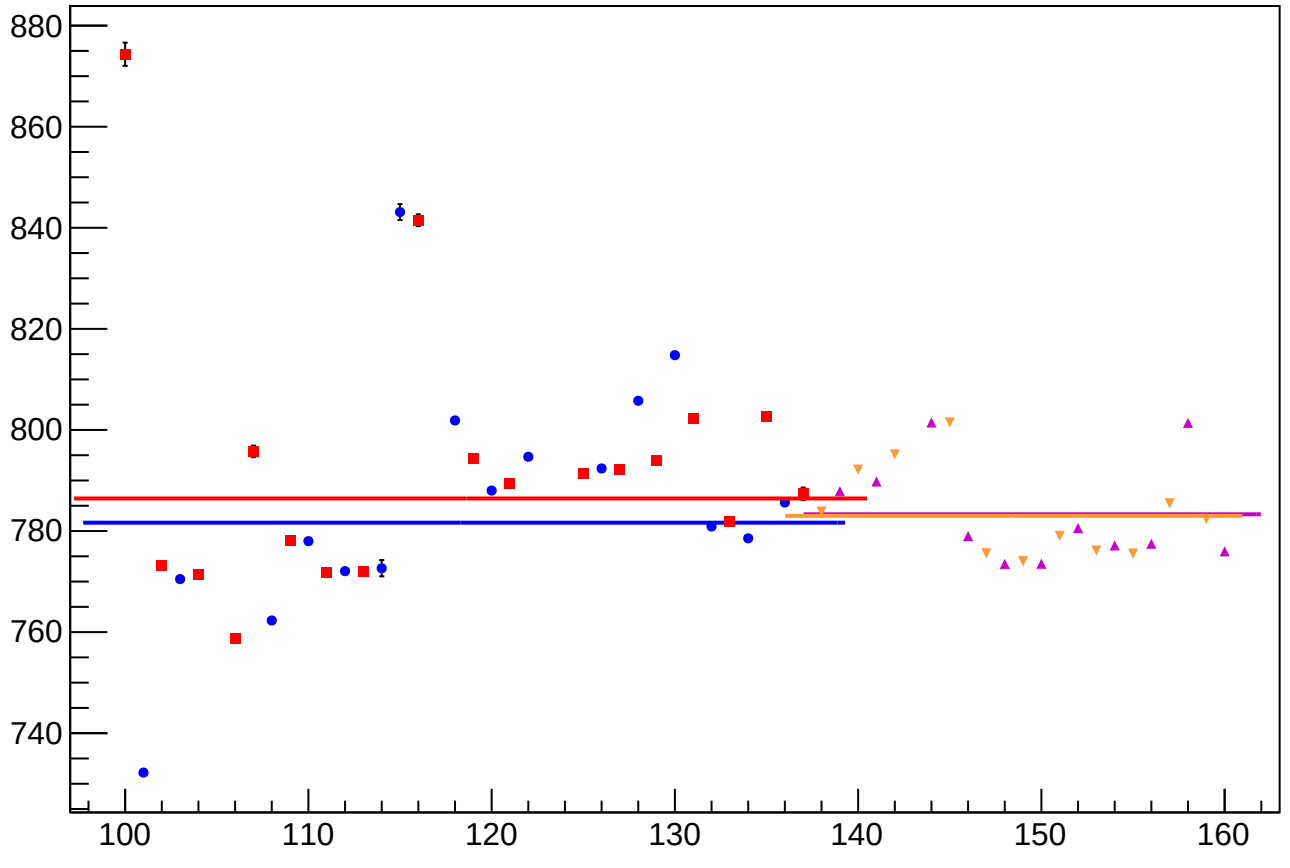
Left: 1941.895+/-183.127 χ^2/NDF: 27.7/21

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

In: 2141.197+/-190.928 χ^2/NDF:26.2/26

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

All: 2041.540+/-136.613 χ^2/NDF: 48.6/55



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: 783.313+/-0.179 χ^2/NDF:2986.5/10

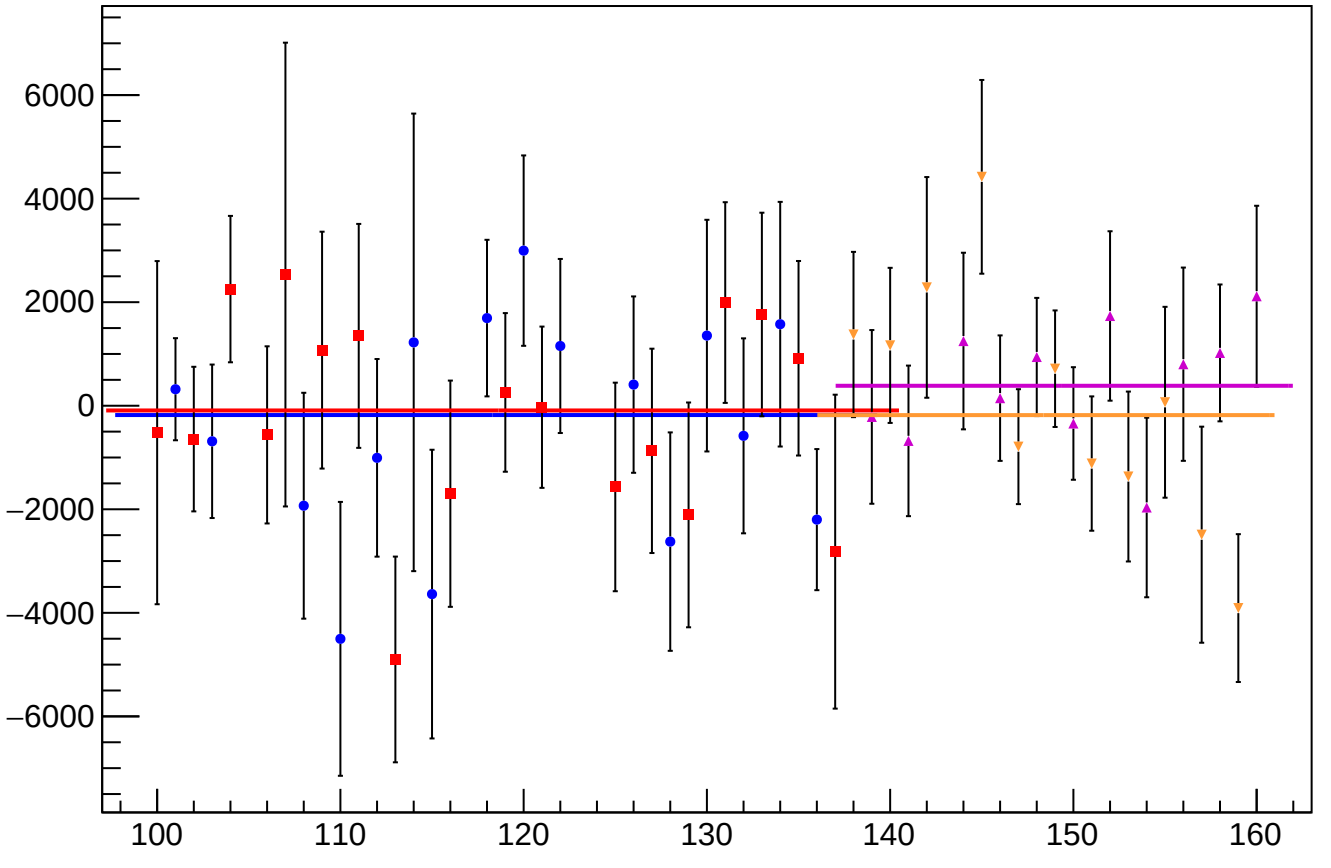
Left: 783.159+/-0.129 χ^2/NDF: 5005.8/21

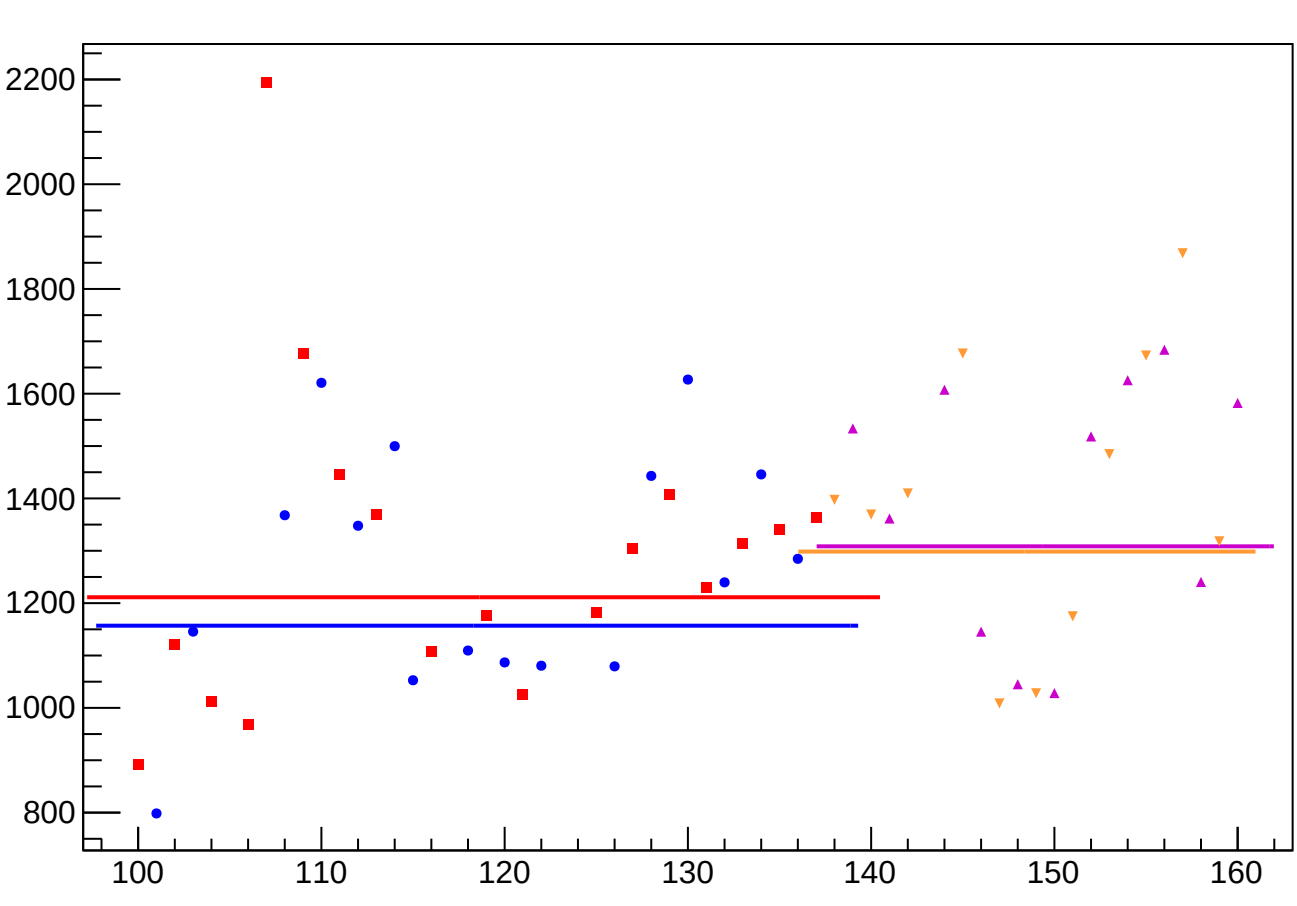
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.596+/-0.135 χ^2/NDF:15342.6/26

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

All: 783.556+/-0.097 χ^2/NDF: 24820.1/55


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -181.249+/-450.586 χ²/NDF:19.2/10
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 385.441+/-431.934 χ²/NDF:5.4/10
Left: 114.068+/-311.809 χ²/NDF: 25.4/21
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 108.481+/-308.500 χ²/NDF:21.6/26
Out: -136.689+/-320.096 χ²/NDF:34.4/28
All: -9.583+/-222.129 χ²/NDF: 56.4/55



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: 1308.511+/-0.305 χ^2/NDF:610890.5/10

Left: 1303.714+/-0.220 χ^2/NDF: 1238714.0/21

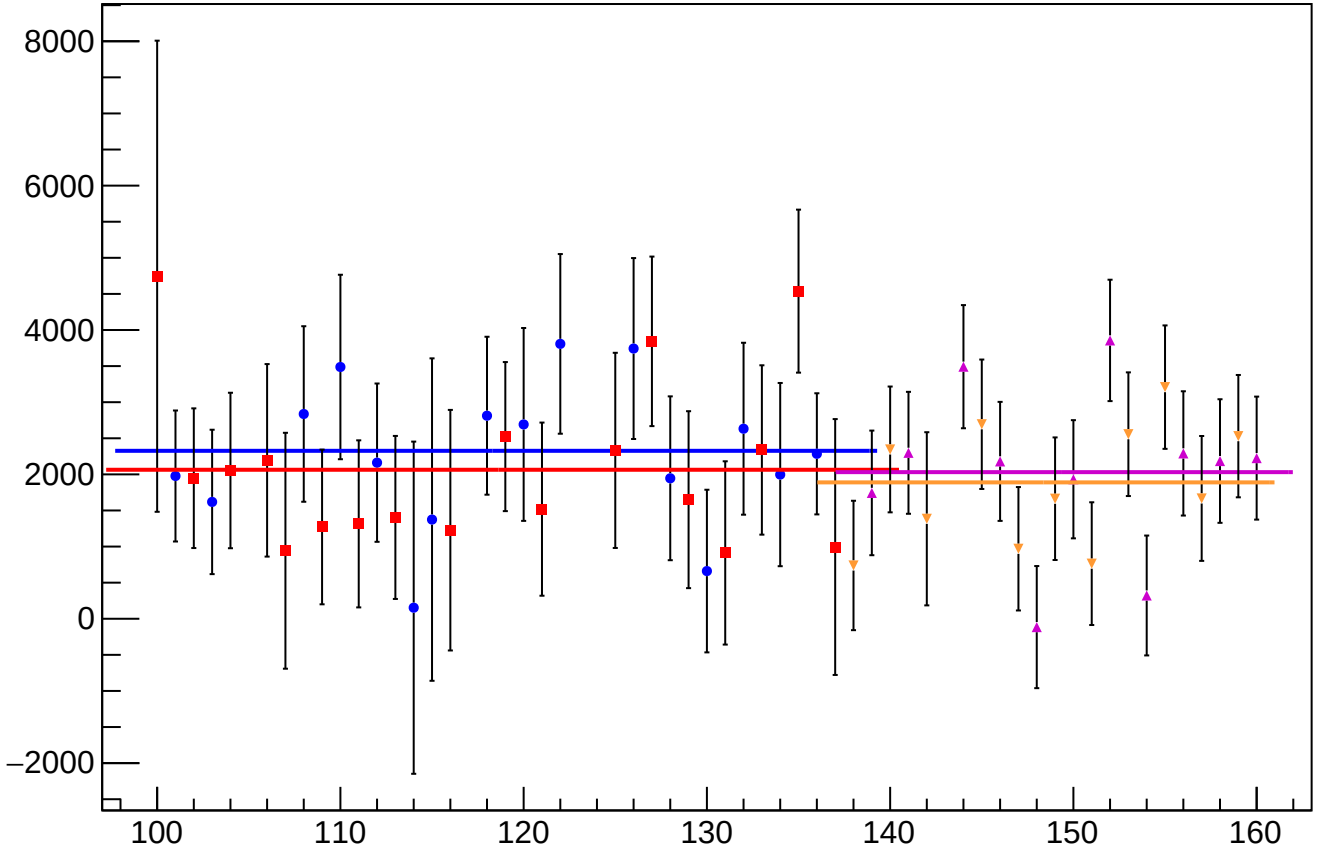
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1234.264+/-0.218 χ^2/NDF:1300643.4/26

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

All: 1244.388+/-0.157 χ^2/NDF: 2367267.4/55

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: 2030.991+/-254.513 χ^2/NDF:18.8/10

Left: 1963.241+/-183.994 χ^2/NDF: 28.4/21

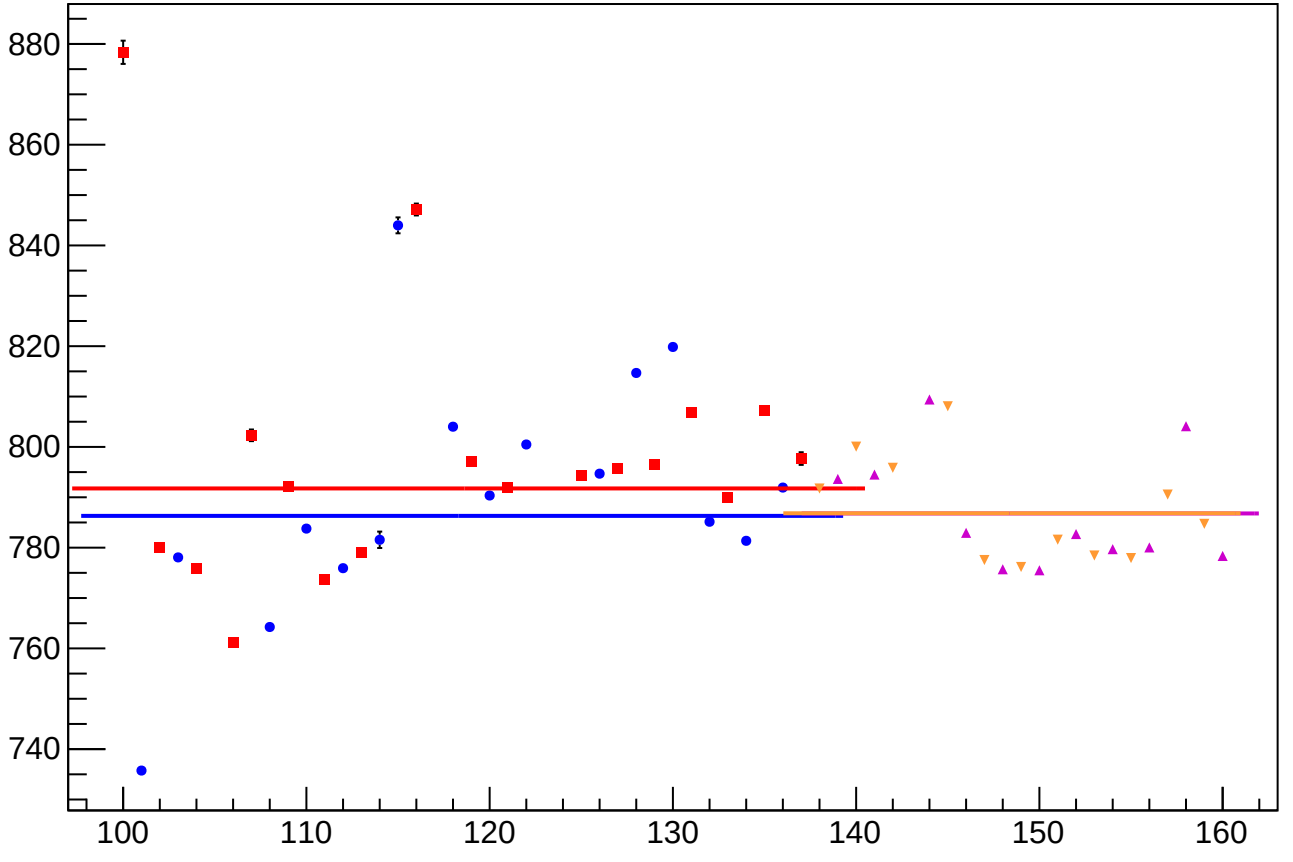
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2158.453+/-191.911 χ^2/NDF:27.5/26

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

All: 2065.841+/-137.363 χ^2/NDF: 49.3/55

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: 786.791+/-0.180 χ^2/NDF:3797.8/10

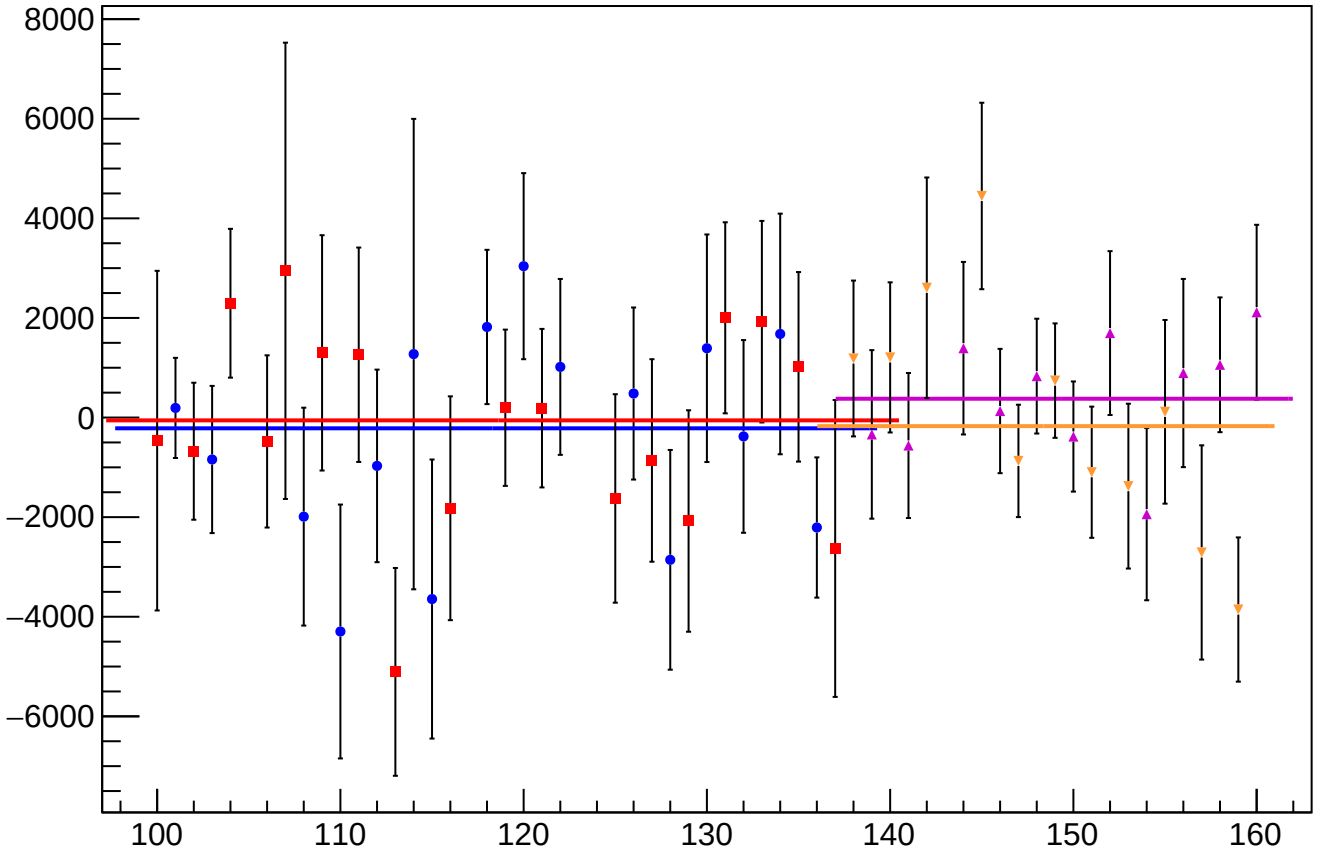
Left: 786.807+/-0.130 χ^2/NDF: 6639.1/21

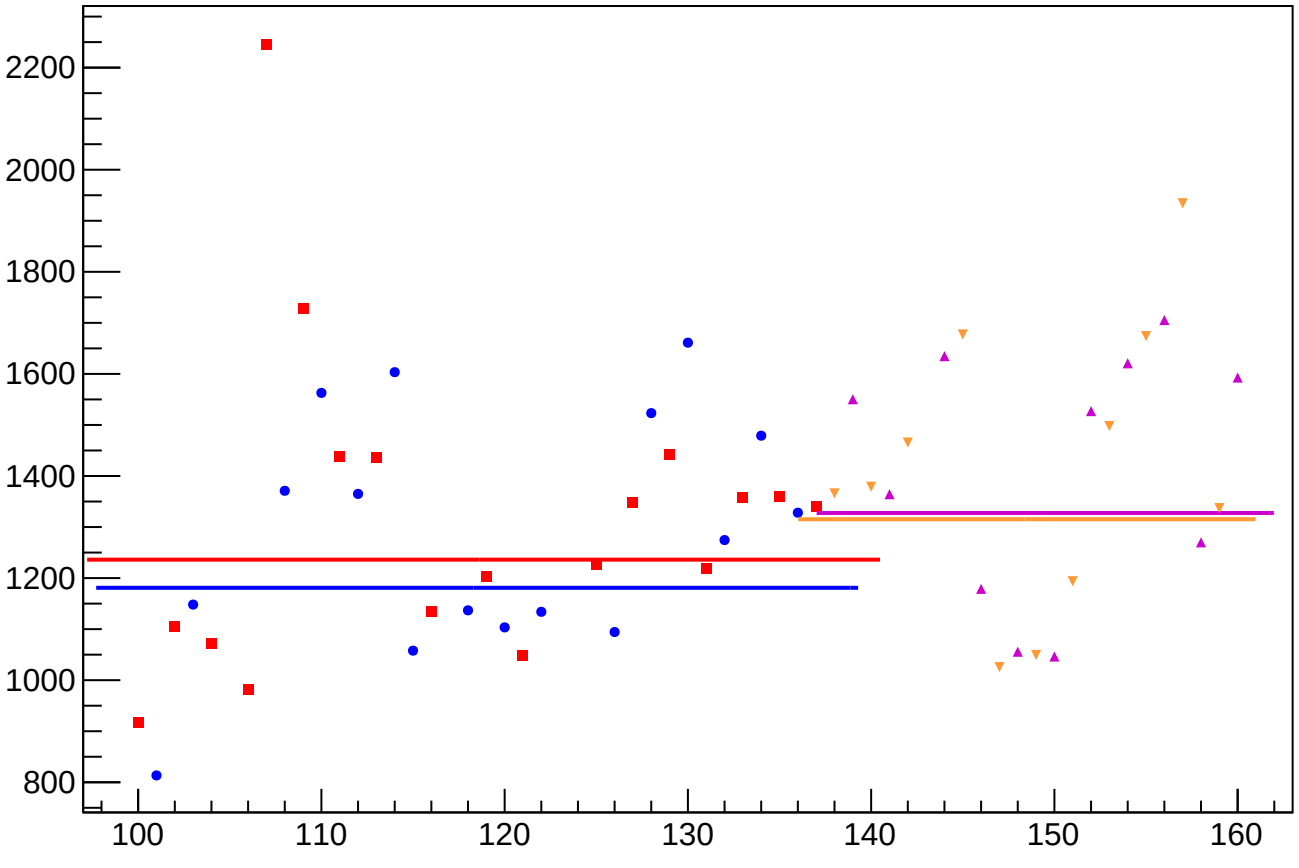
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 786.583+/-0.136 χ^2/NDF:16372.0/26

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

All: 787.794+/-0.097 χ^2/NDF: 26703.3/55


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: 377.581+/-437.648 χ²/NDF:5.4/10
Left: 113.712+/-315.754 χ²/NDF: 25.3/21
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 88.654+/-313.583 χ²/NDF:21.5/26
Out: -115.775+/-325.226 χ²/NDF:34.3/28
All: -9.836+/-225.741 χ²/NDF: 56.1/55


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
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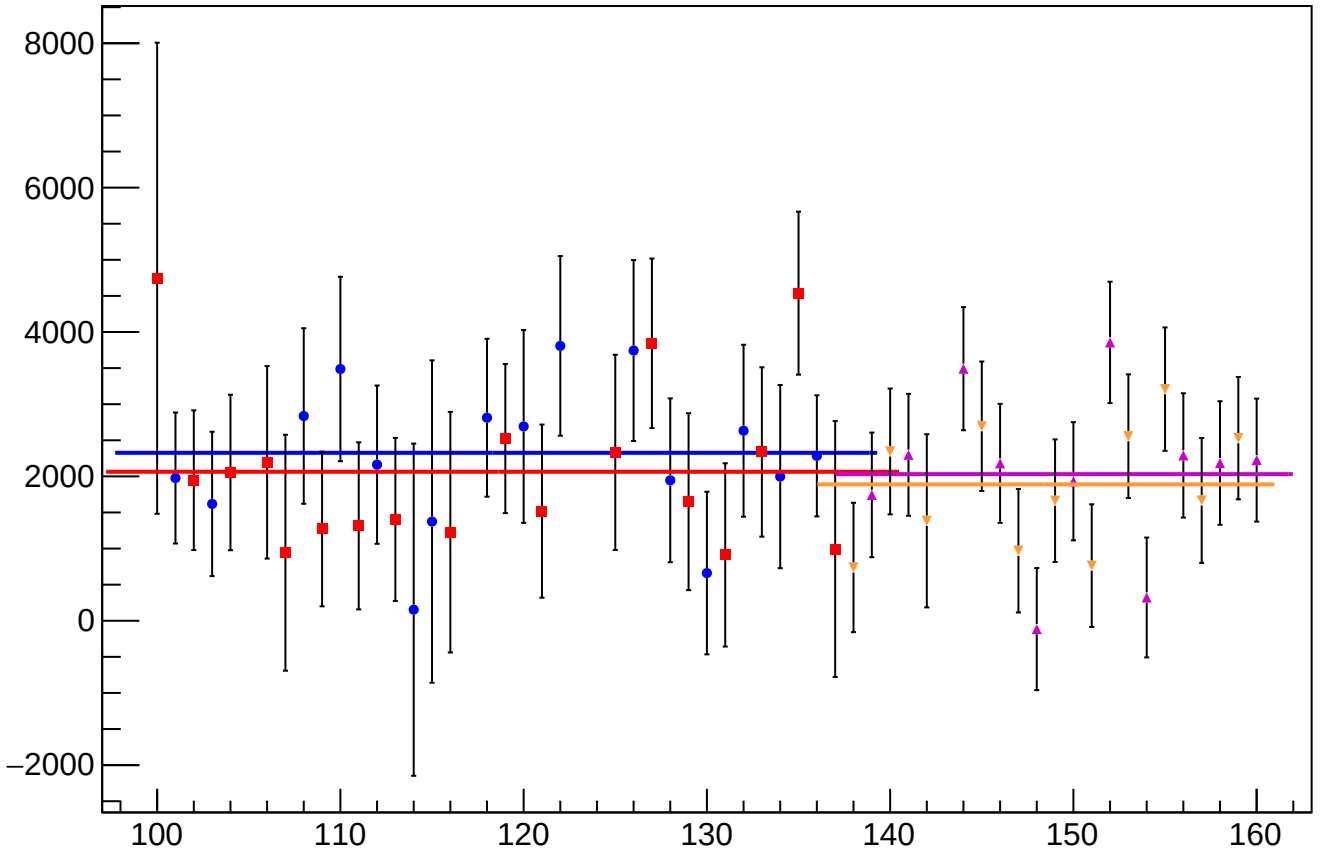
120
130
140
150
160
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1315.286+/-0.322 χ²/NDF:611657.4/10
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1327.566+/-0.309 χ²/NDF:583921.1/10
Left: 1321.678+/-0.223 χ²/NDF: 1196333.6/21
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1256.246+/-0.222 χ²/NDF:1264181.8/26
Out: 1276.396+/-0.230 χ²/NDF:1038506.0/28
All: 1265.954+/-0.160 χ²/NDF: 2306666.4/55



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: 2030.993+/-254.513 χ^2/NDF:18.8/10

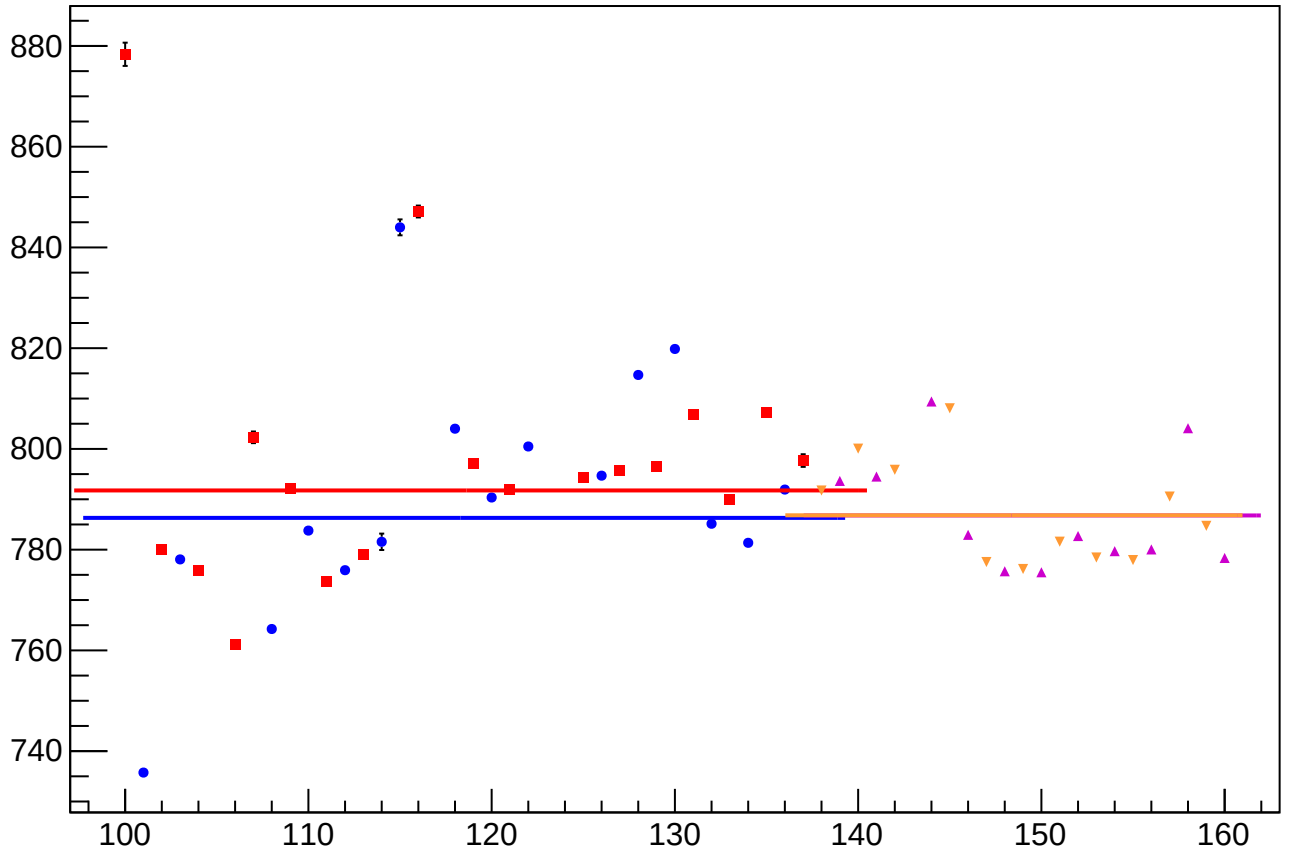
Left: 1963.241+/-183.994 χ^2/NDF: 28.4/21

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

In: 2158.454+/-191.911 χ^2/NDF:27.5/26

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

All: 2065.840+/-137.363 χ^2/NDF: 49.3/55



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: 786.791+/-0.180 χ^2/NDF:3797.8/10

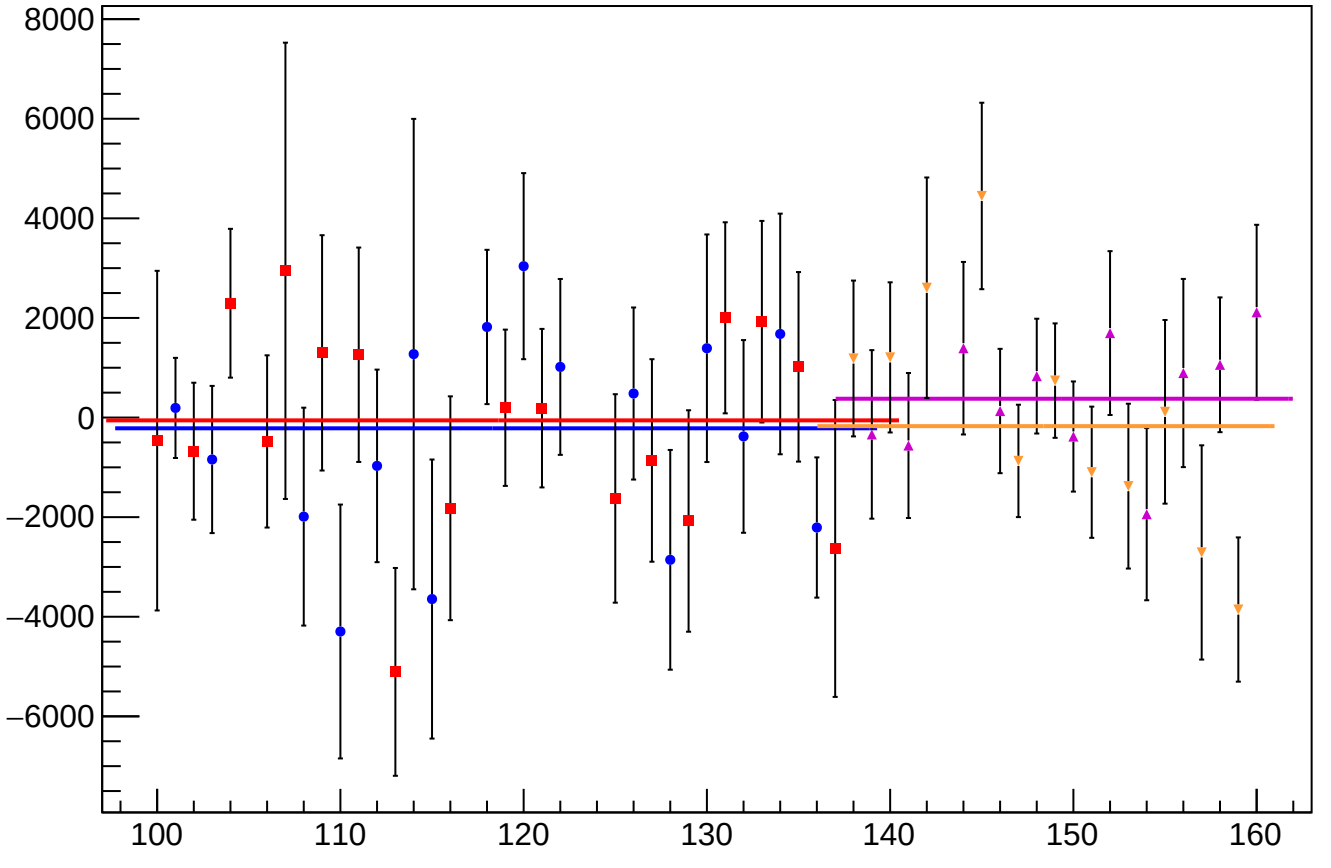
Left: 786.807+/-0.130 χ^2/NDF: 6639.1/21

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

In: 786.583+/-0.136 χ^2/NDF:16371.9/26

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

All: 787.794+/-0.097 χ^2/NDF: 26703.2/55



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

Left Out: -172.760+/-456.005 χ^2/NDF:19.2/10

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

Left In: 377.583+/-437.649 χ^2/NDF:5.4/10

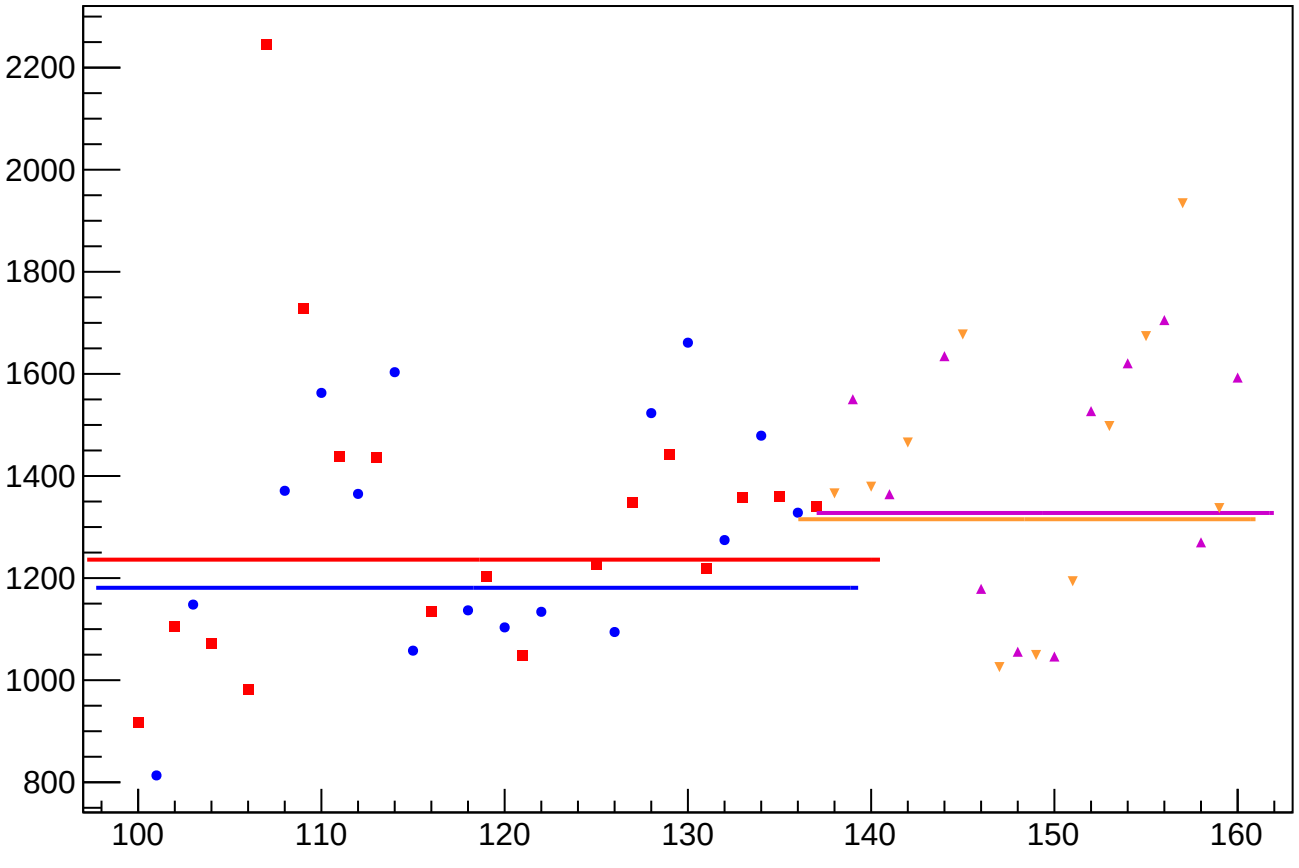
Left: 113.710+/-315.754 χ^2/NDF: 25.3/21

Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 88.654+/-313.583 χ^2/NDF:21.5/26

Out: -115.777+/-325.226 χ^2/NDF:34.3/28

All: -9.837+/-225.740 χ^2/NDF: 56.1/55



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: 1327.569+/-0.309 χ^2/NDF:583922.2/10

Left: 1321.681+/-0.223 χ^2/NDF: 1196337.0/21

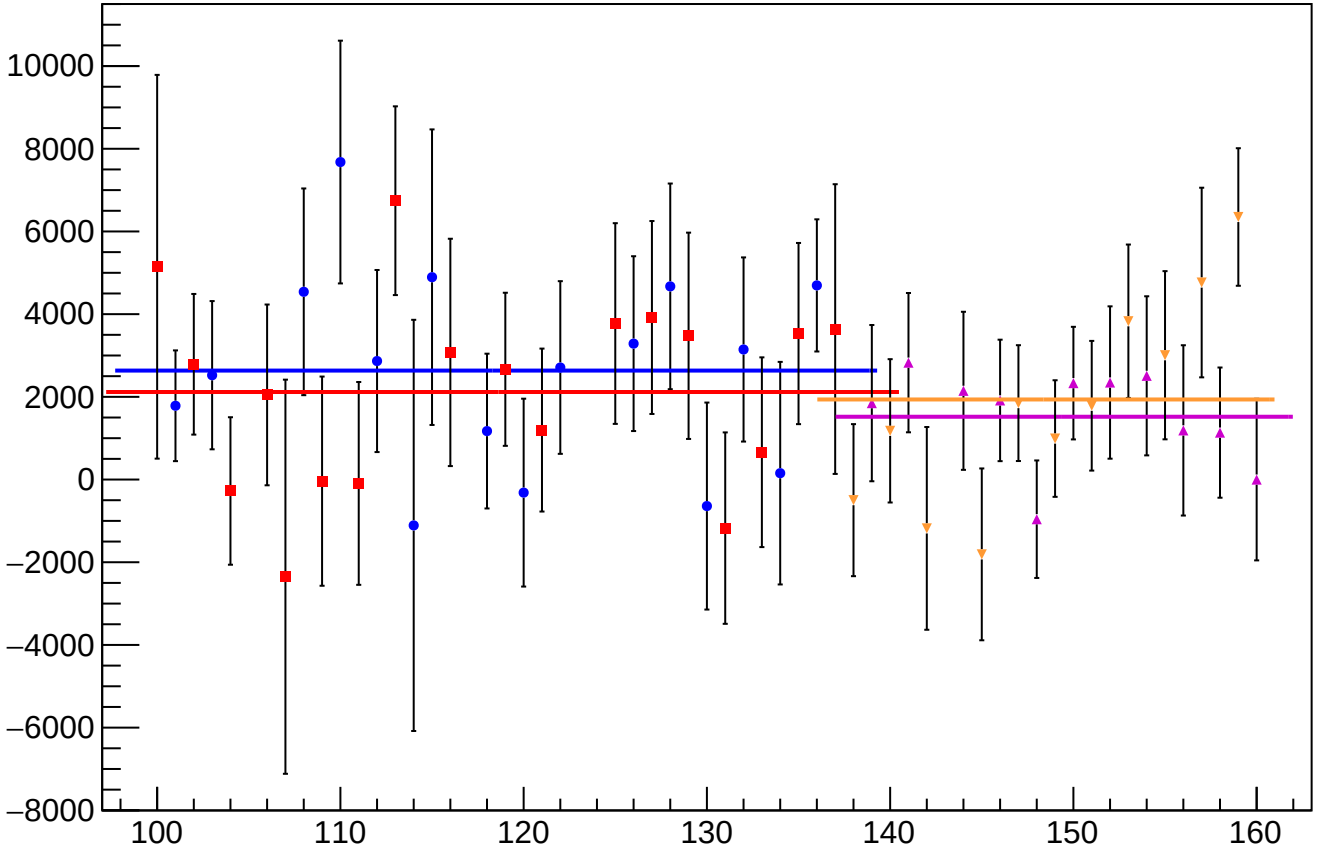
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1256.245+/-0.222 χ^2/NDF:1264189.1/26

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

All: 1265.953+/-0.160 χ^2/NDF: 2306678.7/55

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: 1518.844+/-508.321 χ^2/NDF:5.4/10

Left: 1718.094+/-367.610 χ^2/NDF: 22.8/21

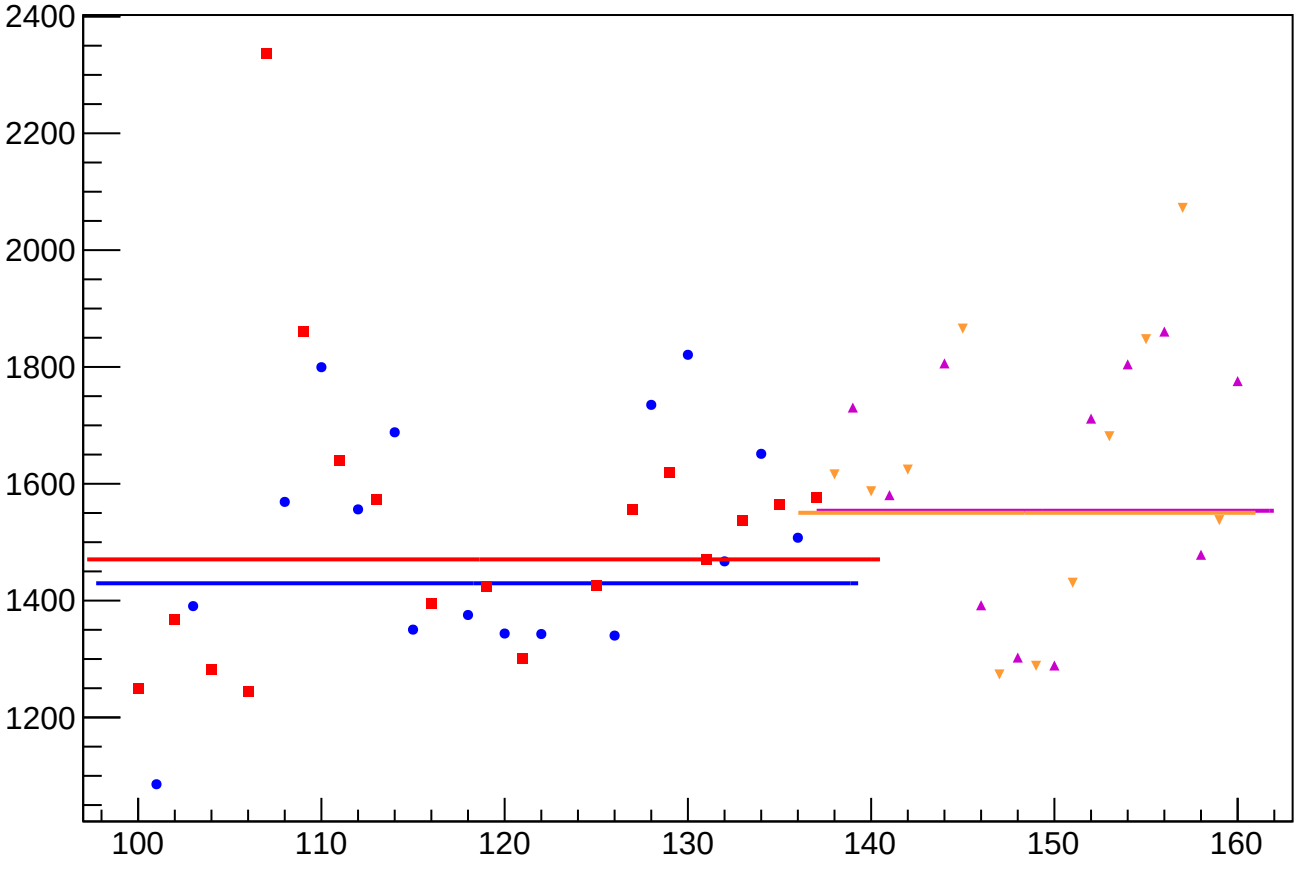
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2045.439+/-369.495 χ^2/NDF:19.9/26

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

All: 2035.218+/-265.460 χ^2/NDF: 50.8/55

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: 1553.828+/-0.359 χ^2/NDF:338716.8/10

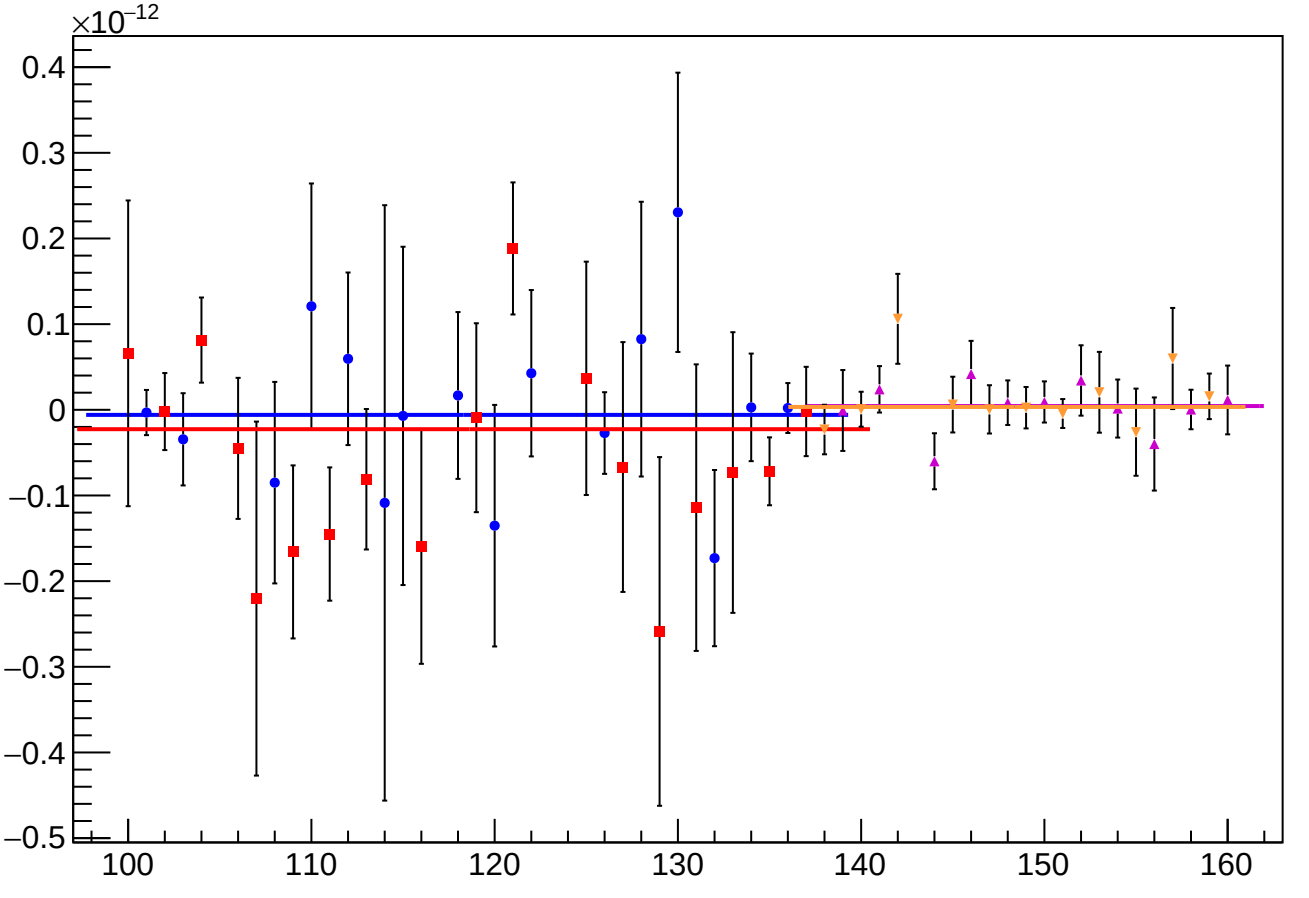
Left: 1552.171+/-0.260 χ^2/NDF: 705249.4/21

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

In: 1495.264+/-0.261 χ^2/NDF:688392.7/26

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

All: 1503.160+/-0.188 χ^2/NDF: 1296674.5/55



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:6.7/10

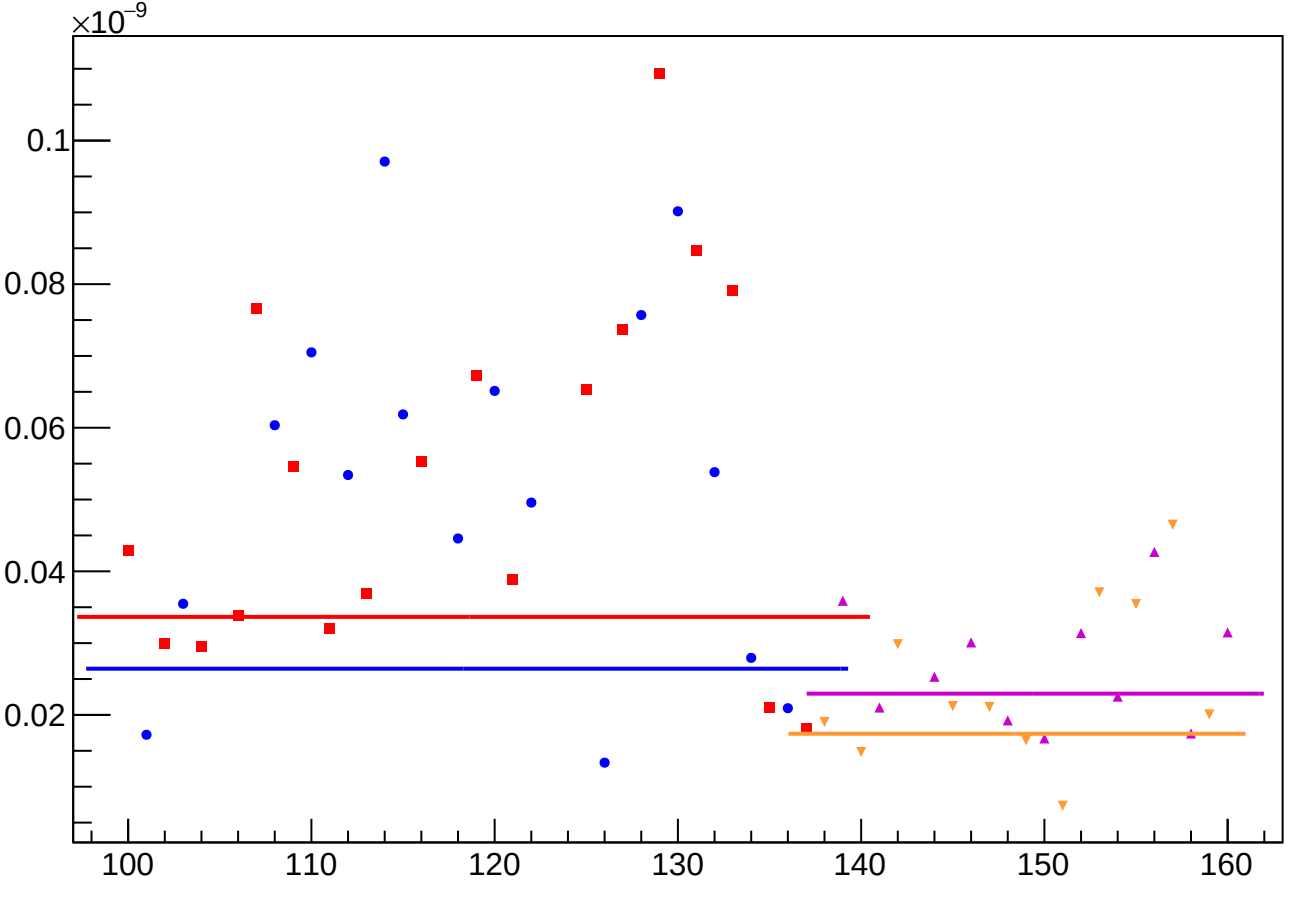
Left: 0.000+/-0.000 χ^2/NDF: 13.2/21

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

In: 0.000+/-0.000 χ^2/NDF:15.5/26

Out: -0.000+/-0.000 χ^2/NDF:31.3/28

All: 0.000+/-0.000 χ^2/NDF: 46.8/55



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:969468.6/10

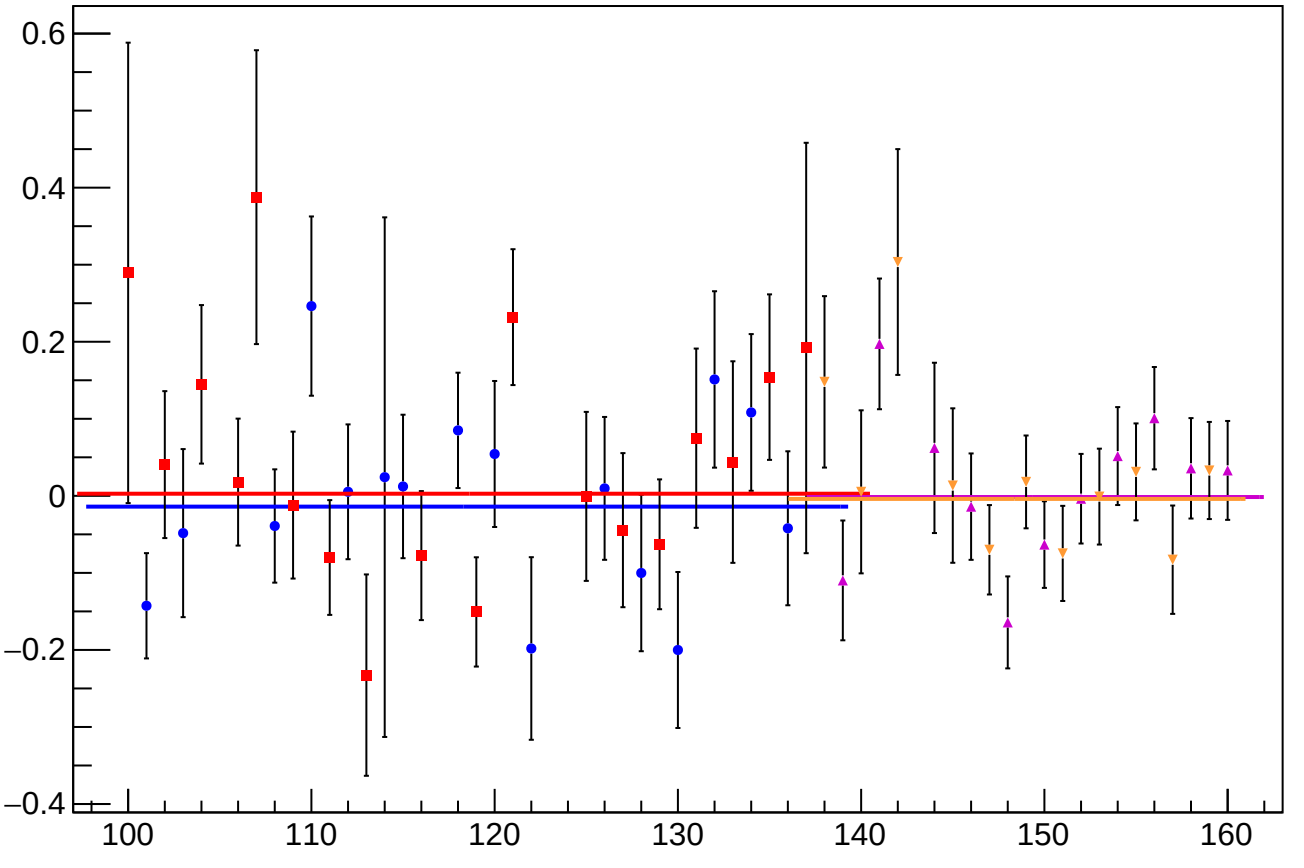
Left: 0.000+/-0.000 χ^2/NDF: 3381528.5/21

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

In: 0.000+/-0.000 χ^2/NDF:3182919.2/26

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

All: 0.000+/-0.000 χ^2/NDF: 8456998.5/55



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: -0.002+/-0.020 χ^2/NDF:20.1/10

Left: -0.003+/-0.015 χ^2/NDF: 31.1/21

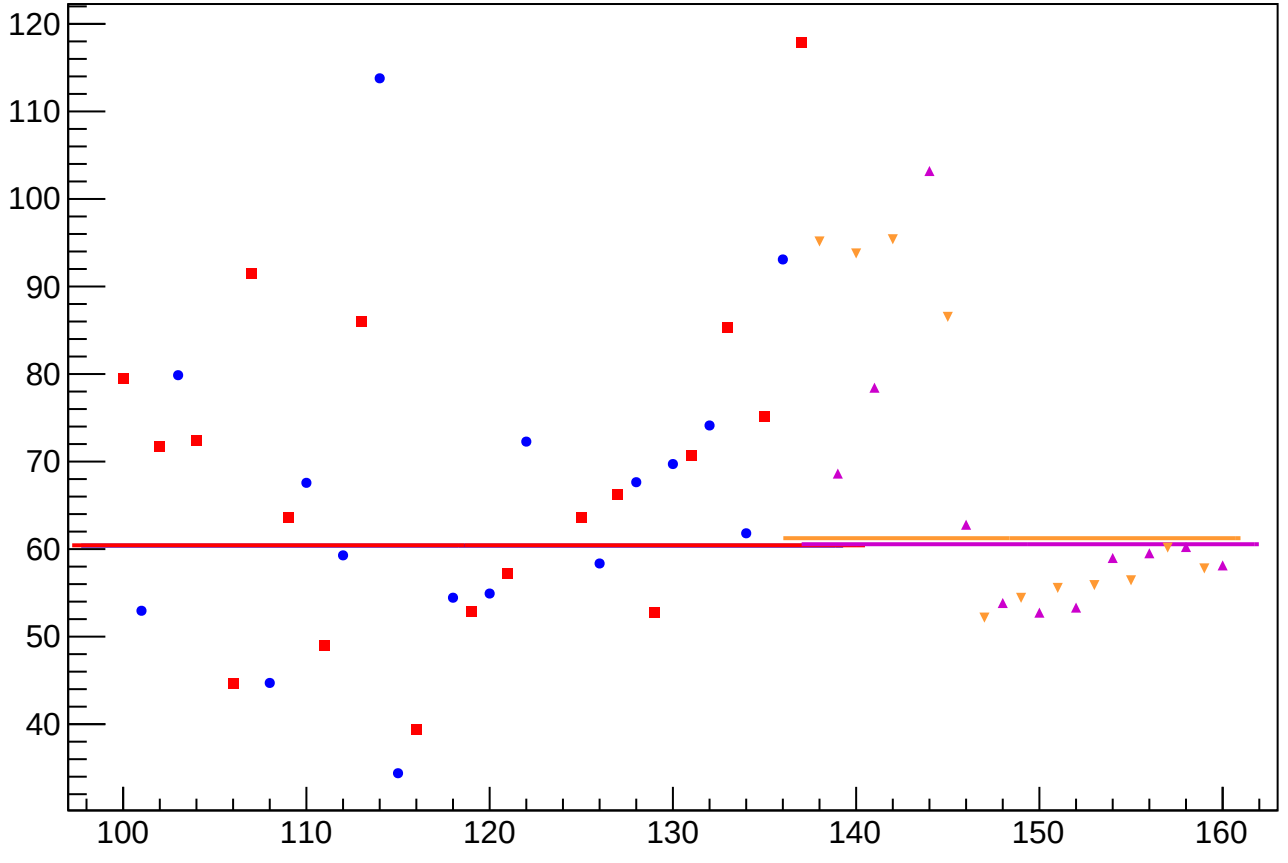
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.004+/-0.011 χ^2/NDF: 80.5/55

asym_us_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 60.557+/-0.014 χ^2/NDF:509687.5/10

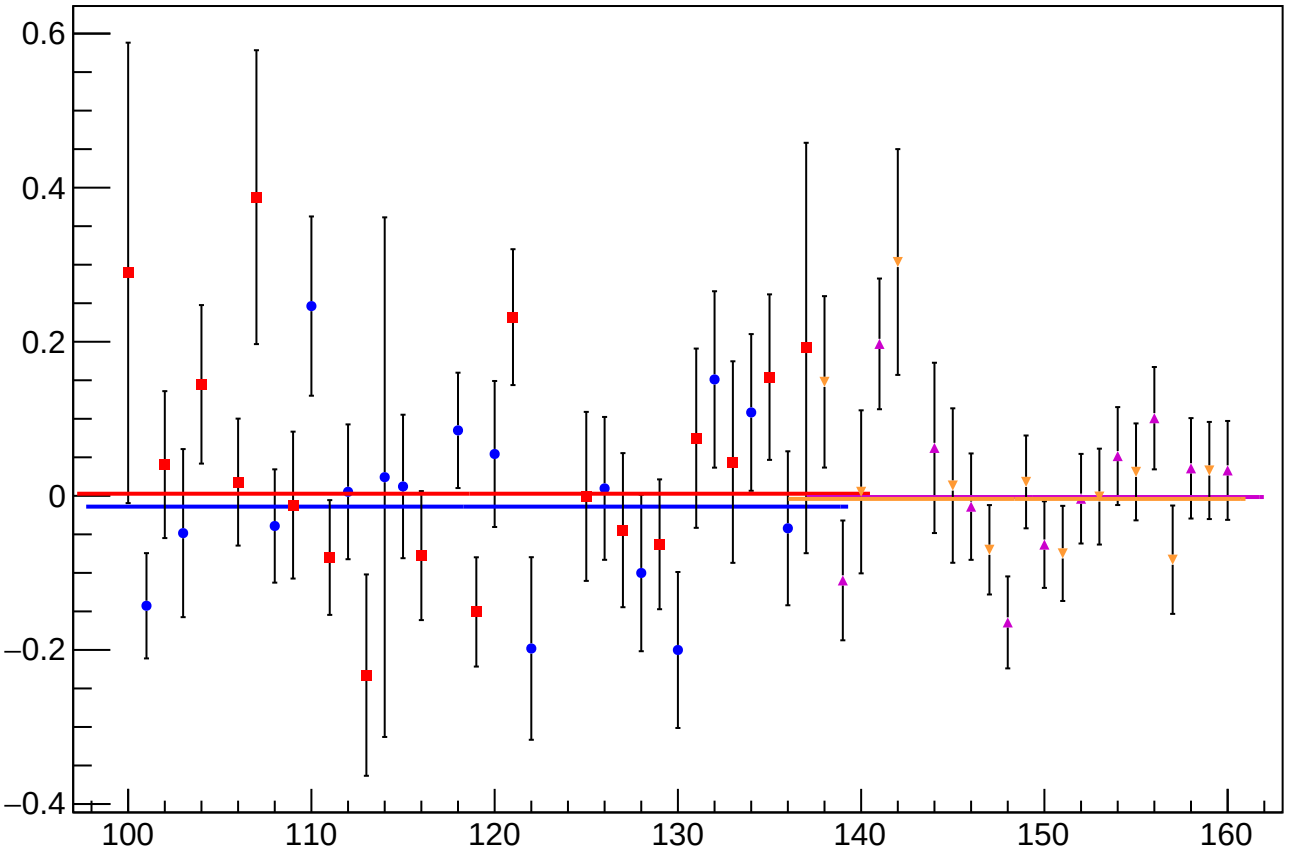
Left: 60.877+/-0.010 χ^2/NDF: 1245764.5/21

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

In: 60.491+/-0.011 χ^2/NDF:1212895.1/26

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

All: 60.676+/-0.008 χ^2/NDF: 2660859.0/55



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: -0.002+/-0.020 χ^2/NDF:20.1/10

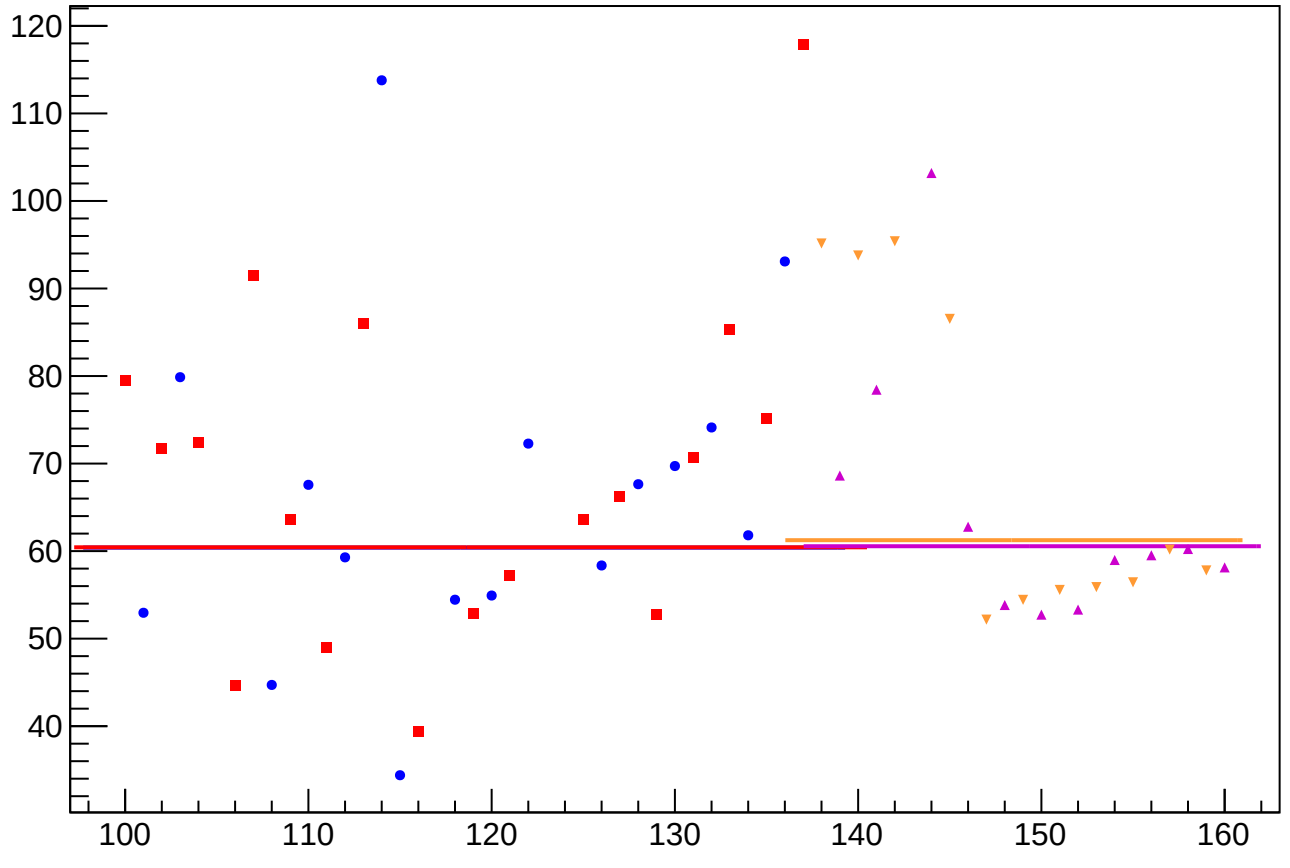
Left: -0.003+/-0.015 χ^2/NDF: 31.1/21

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

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.004+/-0.011 χ^2/NDF: 80.5/55



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: 60.557+/-0.014 χ^2/NDF:509687.5/10

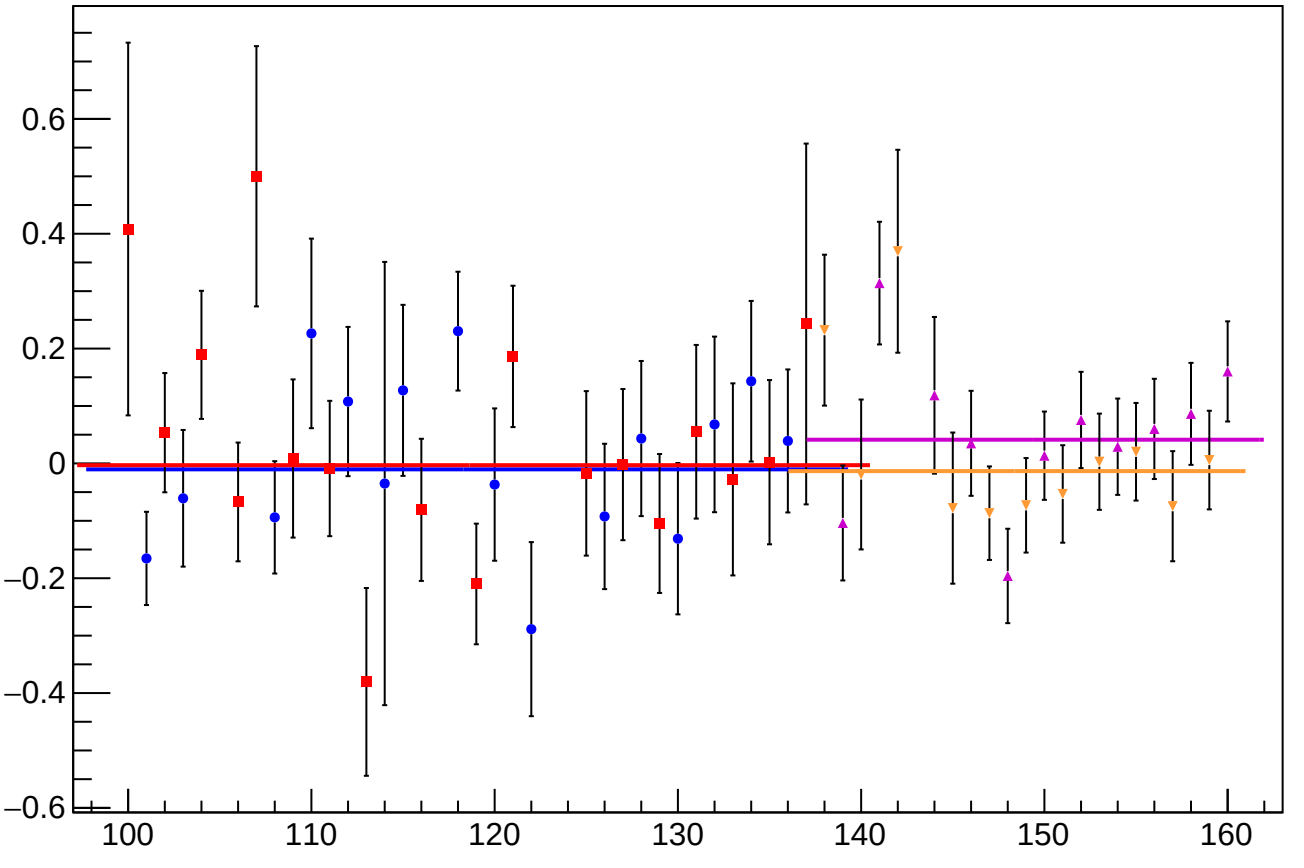
Left: 60.877+/-0.010 χ^2/NDF: 1245764.5/21

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

In: 60.491+/-0.011 χ^2/NDF:1212895.1/26

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

All: 60.676+/-0.008 χ^2/NDF: 2660859.0/55



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: 0.041+/-0.027 χ^2/NDF:19.8/10

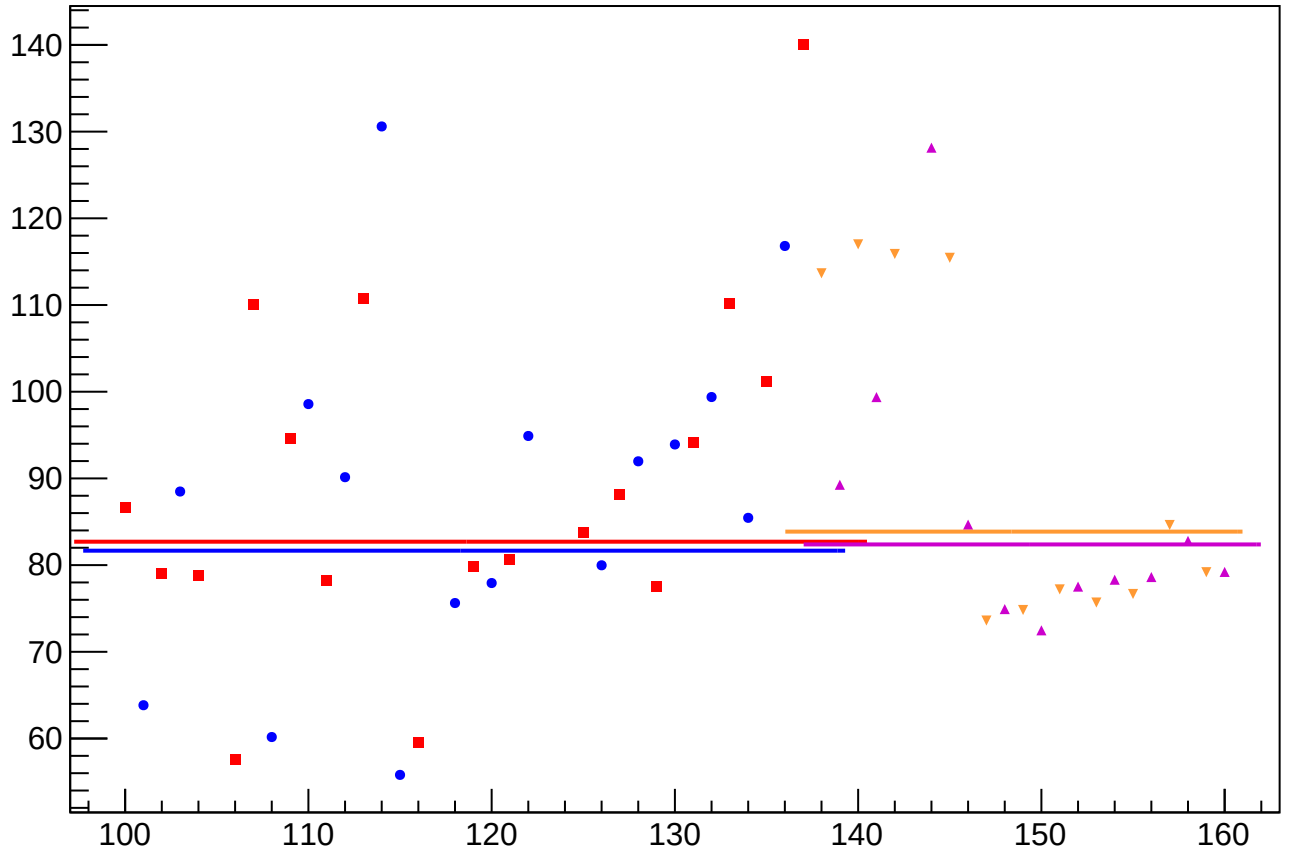
Left: 0.016+/-0.020 χ^2/NDF: 32.3/21

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

In: 0.019+/-0.021 χ^2/NDF:41.4/26

Out: -0.009+/-0.022 χ^2/NDF:34.3/28

All: 0.006+/-0.015 χ^2/NDF: 76.7/55



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: 82.385+/-0.019 χ^2/NDF:353752.5/10

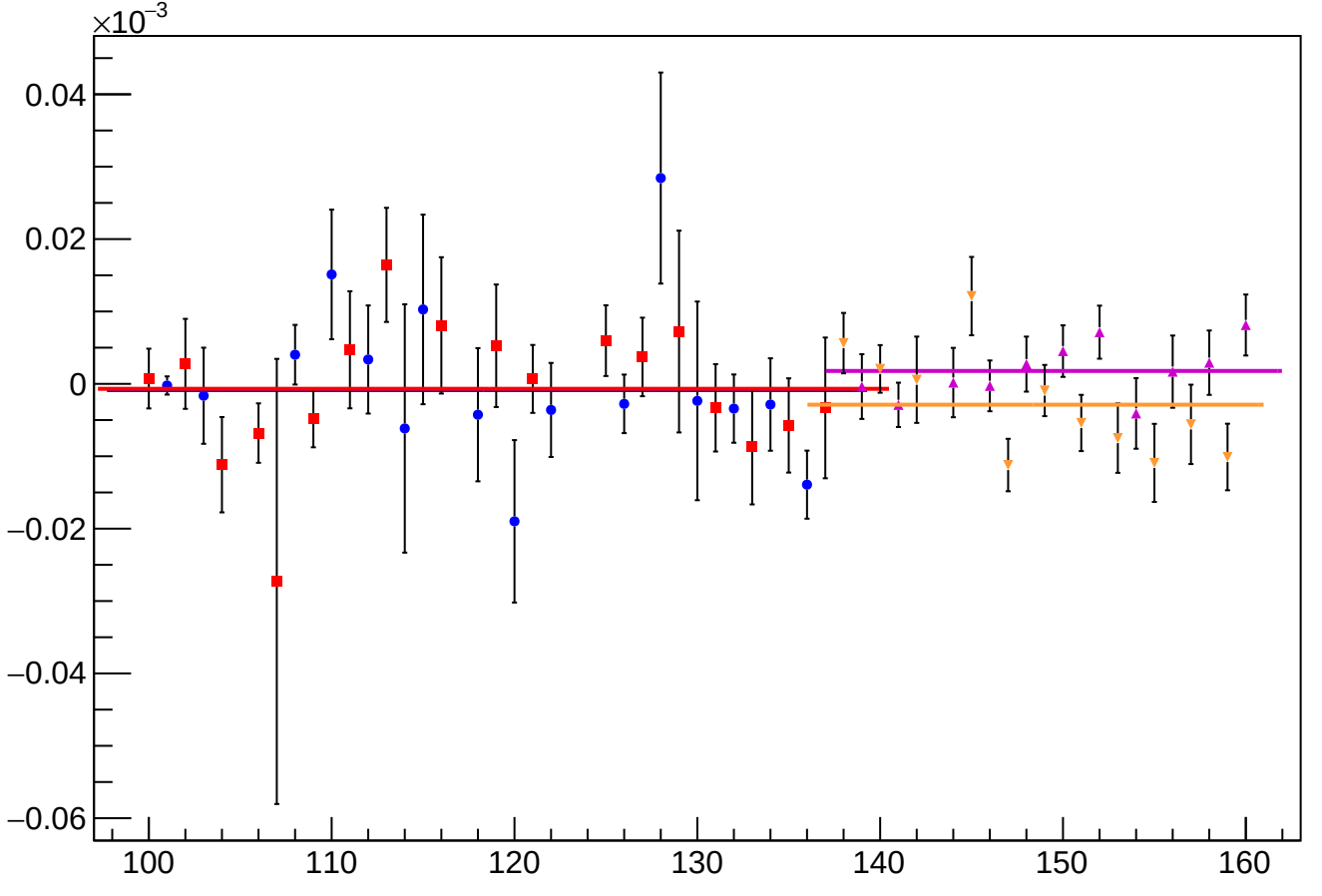
Left: 83.071+/-0.014 χ^2/NDF: 876545.3/21

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

In: 82.078+/-0.015 χ^2/NDF:916199.5/26

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

All: 82.677+/-0.011 χ^2/NDF: 1914297.1/55



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:9.6/10

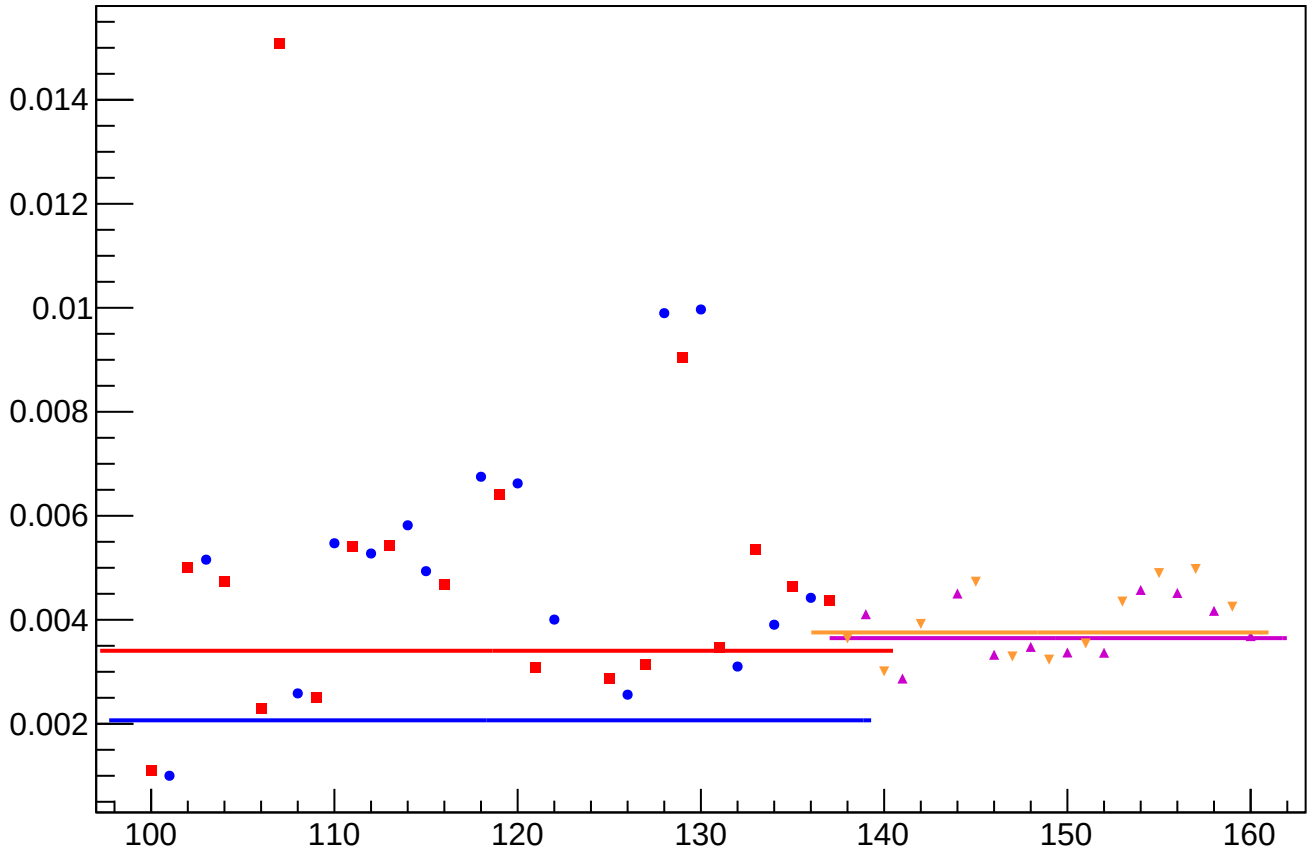
Left: -0.000+/-0.000 χ^2/NDF: 42.9/21

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

In: 0.000+/-0.000 χ^2/NDF:33.7/26

Out: -0.000+/-0.000 χ^2/NDF:45.9/28

All: -0.000+/-0.000 χ^2/NDF: 82.6/55



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:419458.0/10

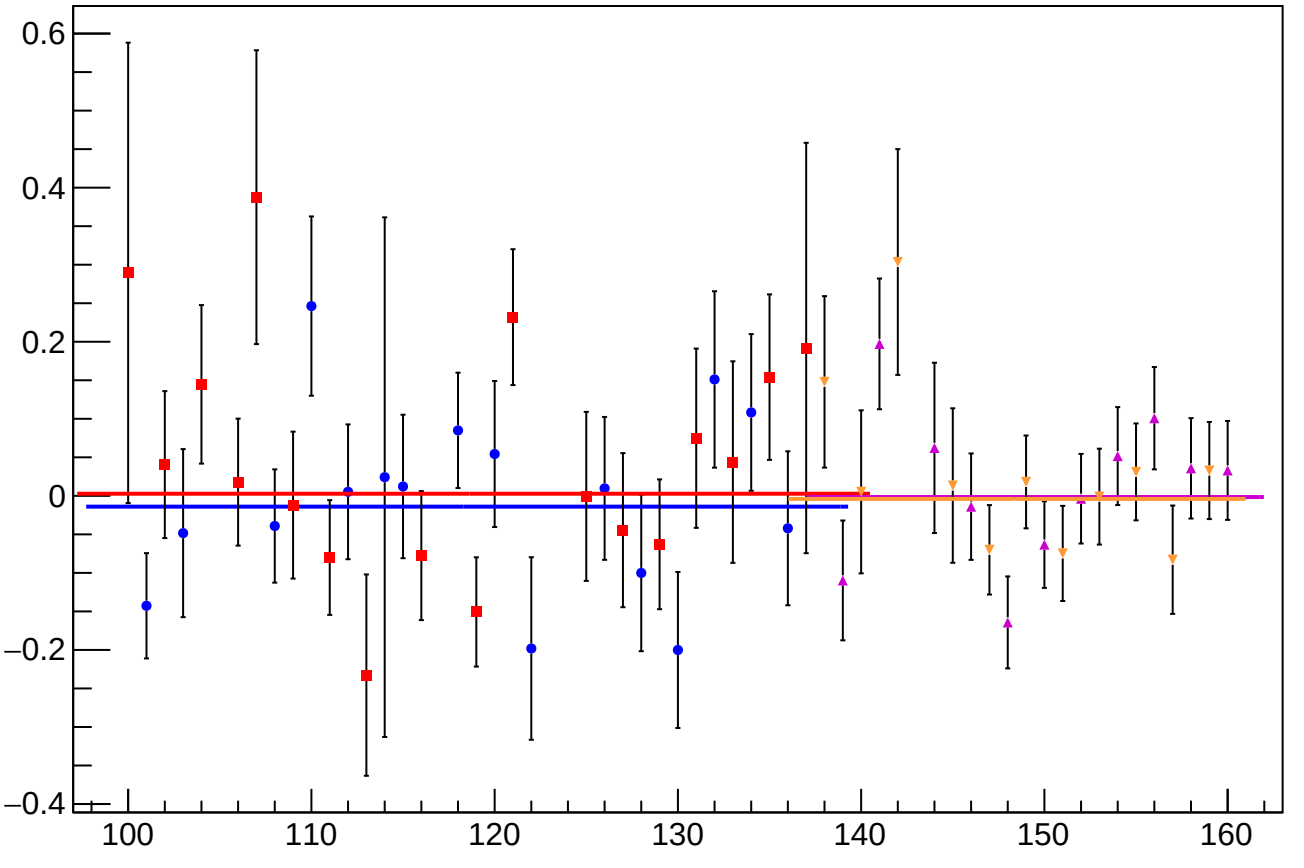
Left: 0.004+/-0.000 χ^2/NDF: 923152.7/21

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

In: 0.003+/-0.000 χ^2/NDF:8264786.1/26

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

All: 0.003+/-0.000 χ^2/NDF: 12331398.0/55



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: -0.002+/-0.020 χ^2/NDF:20.1/10

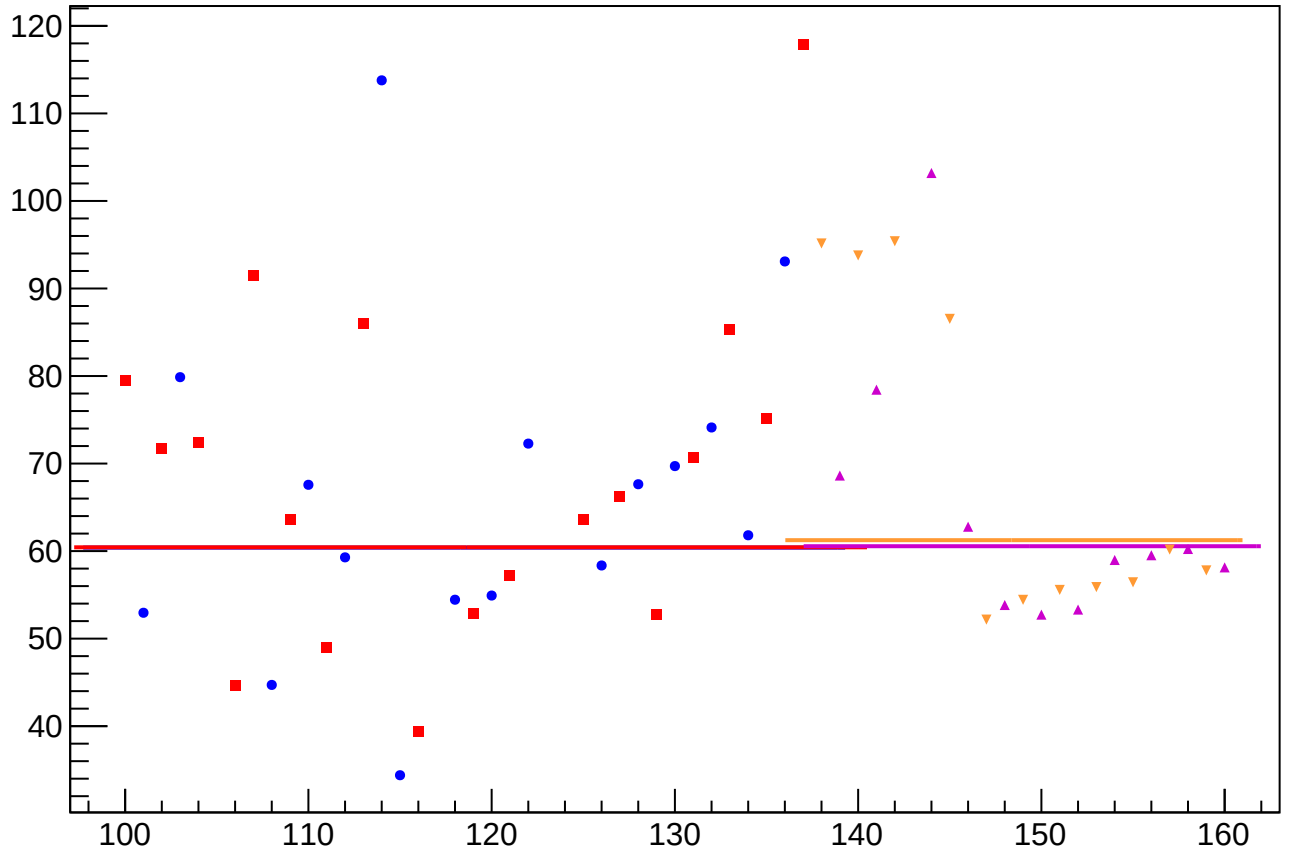
Left: -0.003+/-0.015 χ^2/NDF: 31.1/21

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

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.004+/-0.011 χ^2/NDF: 80.5/55



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: 60.557+/-0.014 χ^2/NDF:509683.9/10

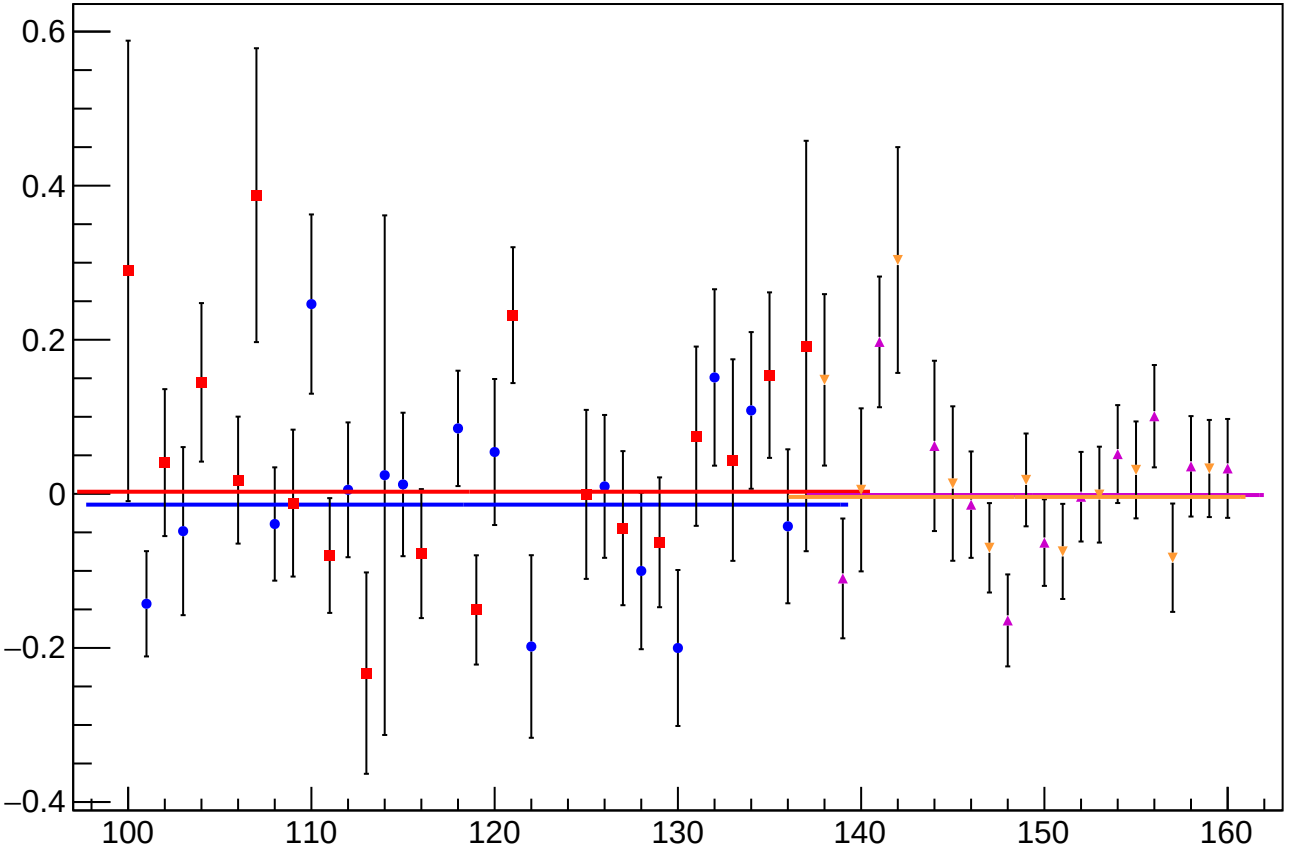
Left: 60.877+/-0.010 χ^2/NDF: 1245753.7/21

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

In: 60.490+/-0.011 χ^2/NDF:1212904.8/26

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

All: 60.676+/-0.008 χ^2/NDF: 2660895.8/55



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: -0.002+/-0.020 χ^2/NDF:20.1/10

Left: -0.003+/-0.015 χ^2/NDF: 31.1/21

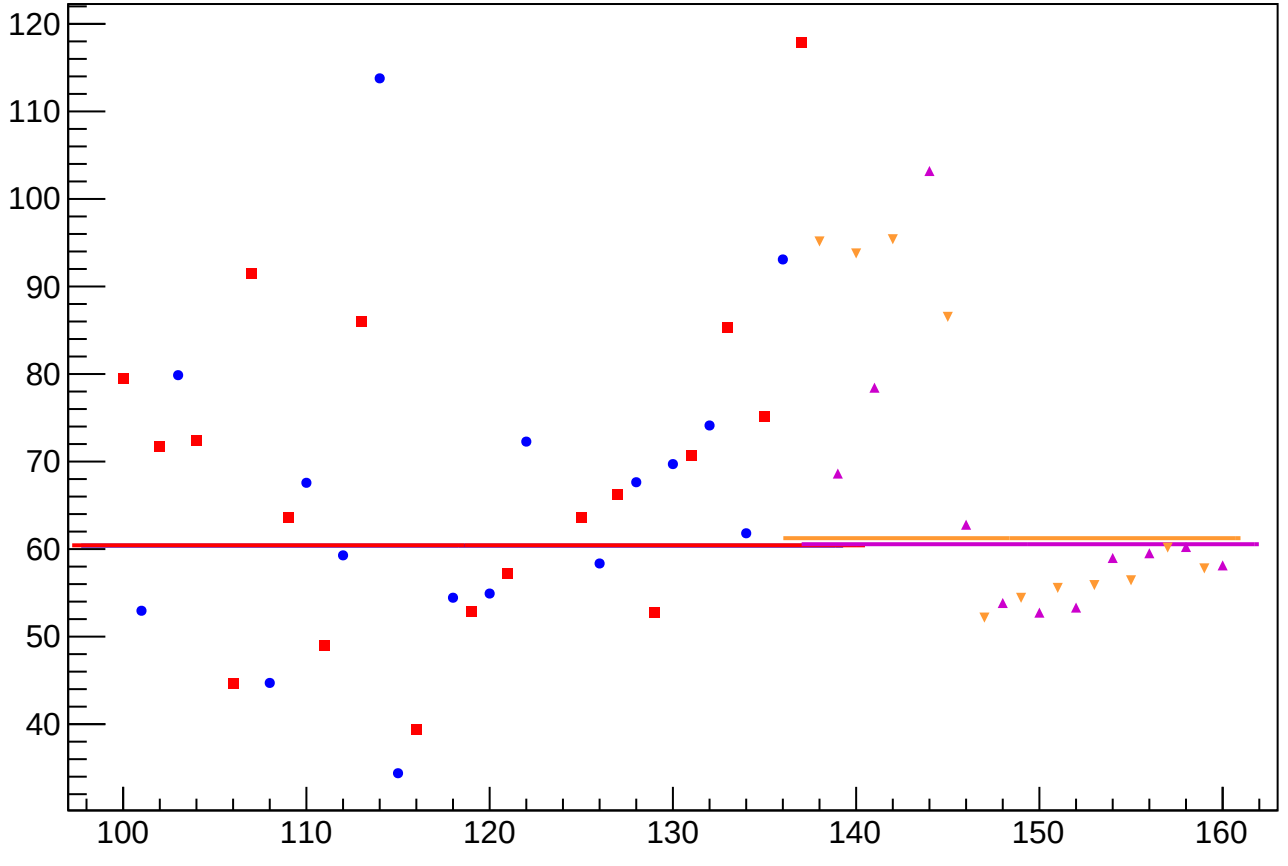
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.001+/-0.016 χ^2/NDF:38.8/28

All: -0.004+/-0.011 χ^2/NDF: 80.5/55

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: 60.557+/-0.014 χ^2/NDF:509683.9/10

Left: 60.877+/-0.010 χ^2/NDF: 1245753.7/21

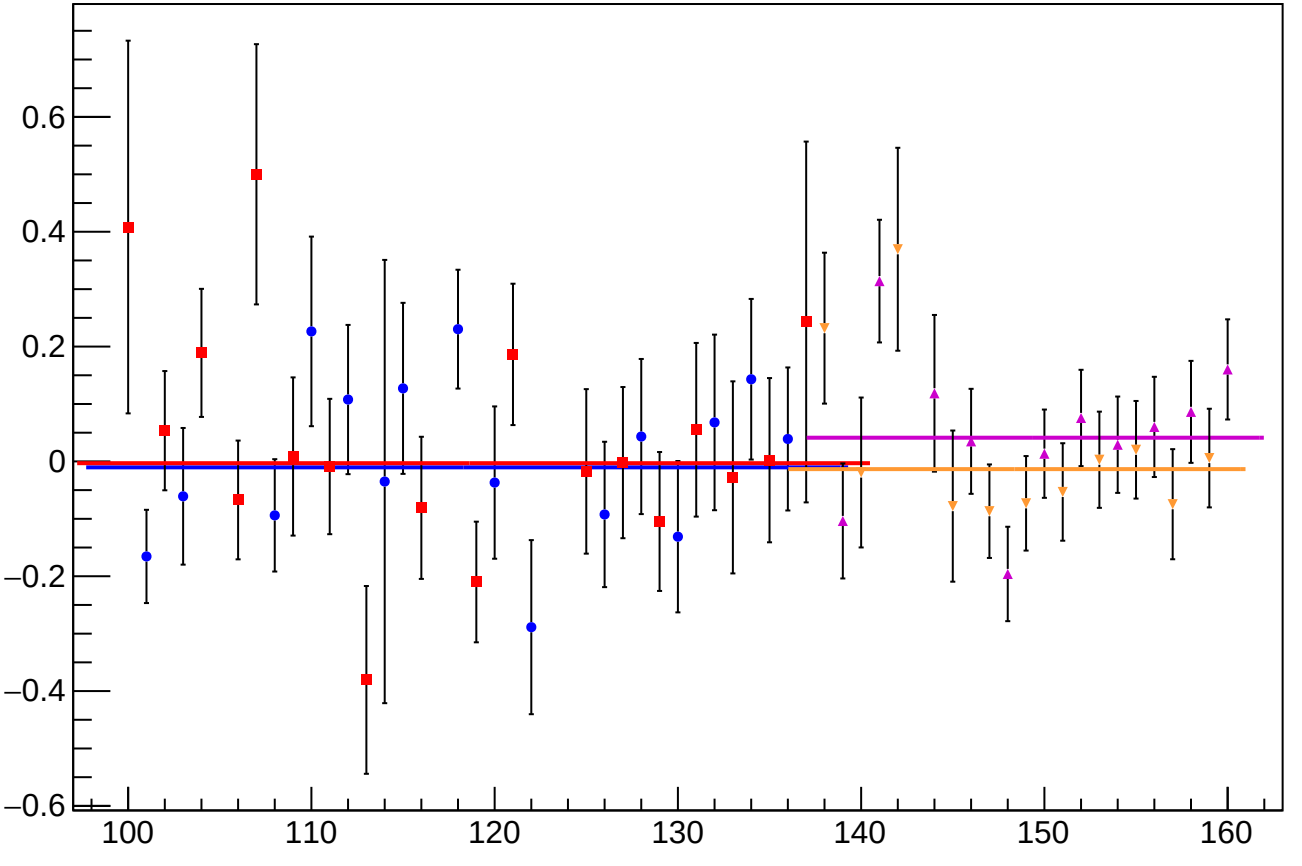
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.490+/-0.011 χ^2/NDF:1212904.8/26

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

All: 60.676+/-0.008 χ^2/NDF: 2660895.8/55

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: 0.041+/-0.027 χ^2/NDF:19.8/10

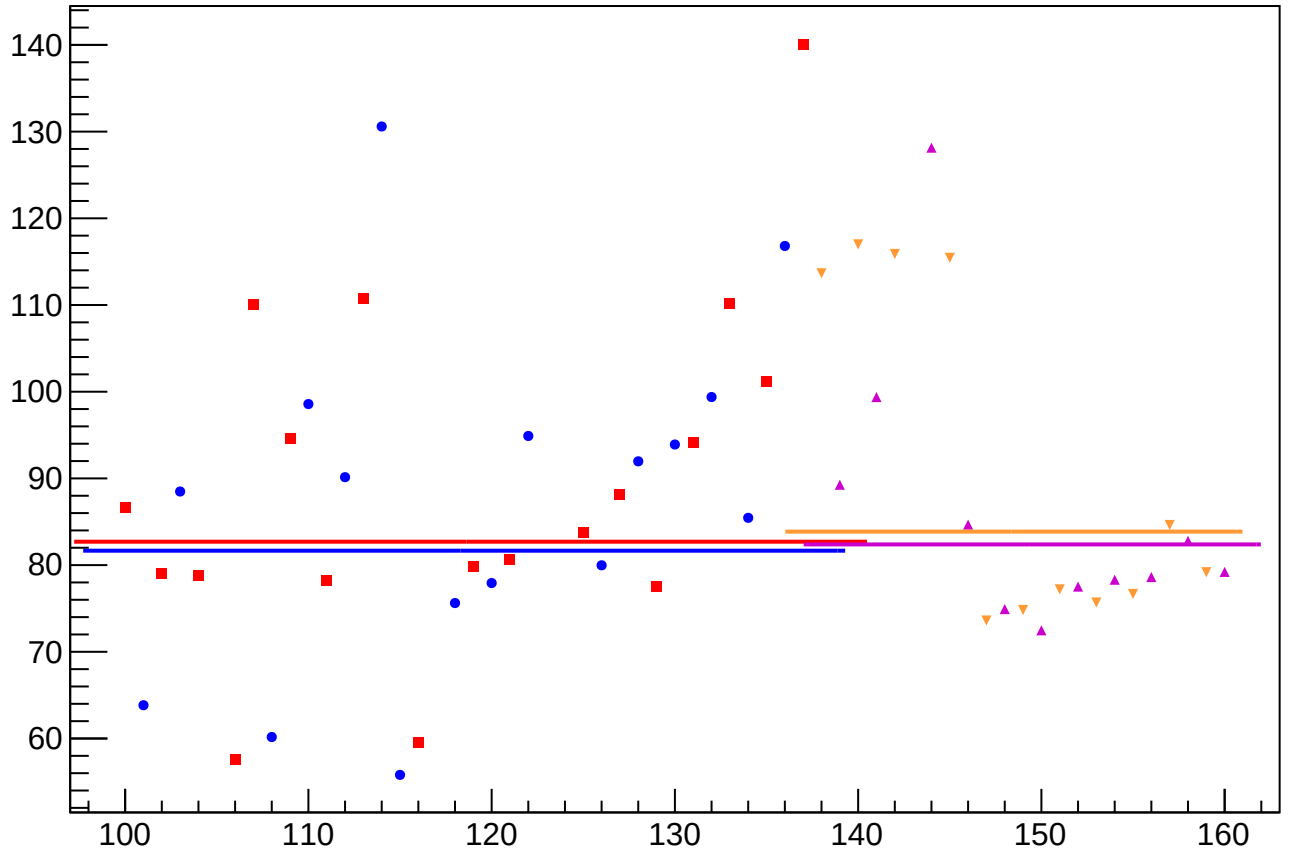
Left: 0.016+/-0.020 χ^2/NDF: 32.3/21

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

In: 0.019+/-0.021 χ^2/NDF:41.5/26

Out: -0.009+/-0.022 χ^2/NDF:34.3/28

All: 0.006+/-0.015 χ^2/NDF: 76.7/55



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: 82.385+/-0.019 χ^2/NDF:353752.3/10

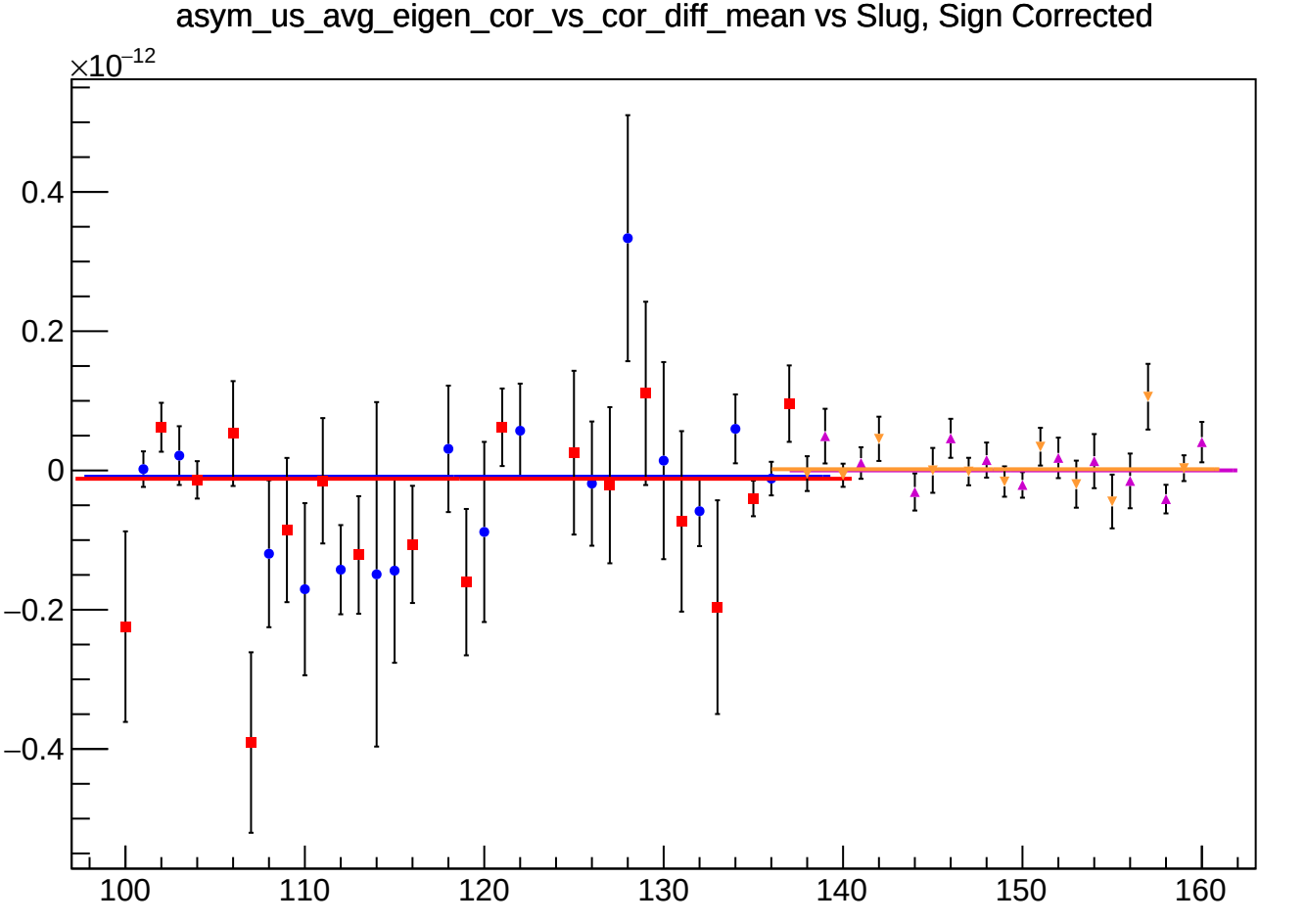
Left: 83.071+/-0.014 χ^2/NDF: 876541.2/21

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

In: 82.078+/-0.015 χ^2/NDF:916188.6/26

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

All: 82.677+/-0.011 χ^2/NDF: 1914281.4/55



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:14.1/10

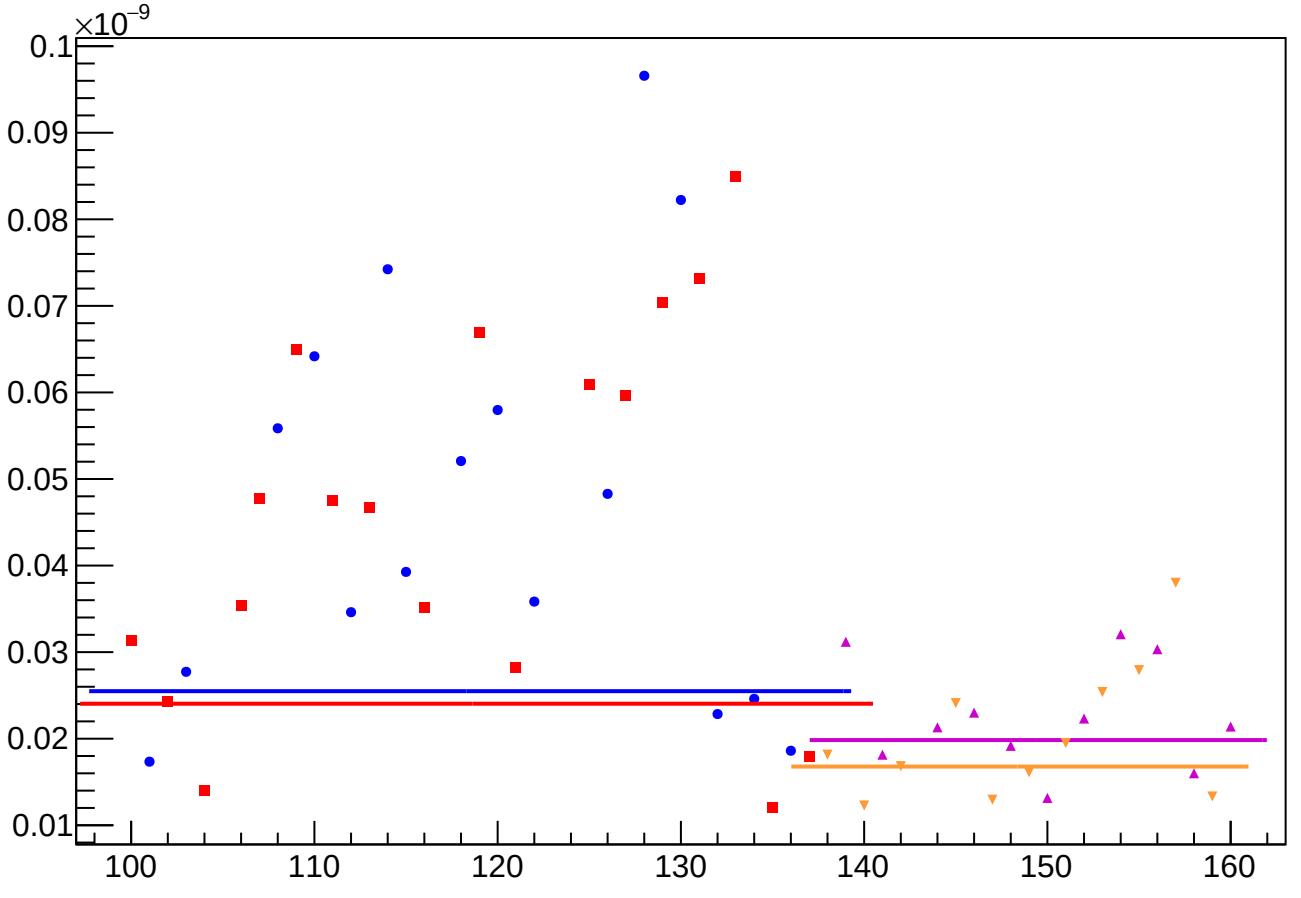
Left: 0.000+/-0.000 χ^2/NDF: 25.2/21

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

In: -0.000+/-0.000 χ^2/NDF:31.9/26

Out: -0.000+/-0.000 χ^2/NDF:42.9/28

All: -0.000+/-0.000 χ^2/NDF: 74.8/55



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:906657.7/10

Left: 0.000+/-0.000 χ^2/NDF: 2189717.1/21

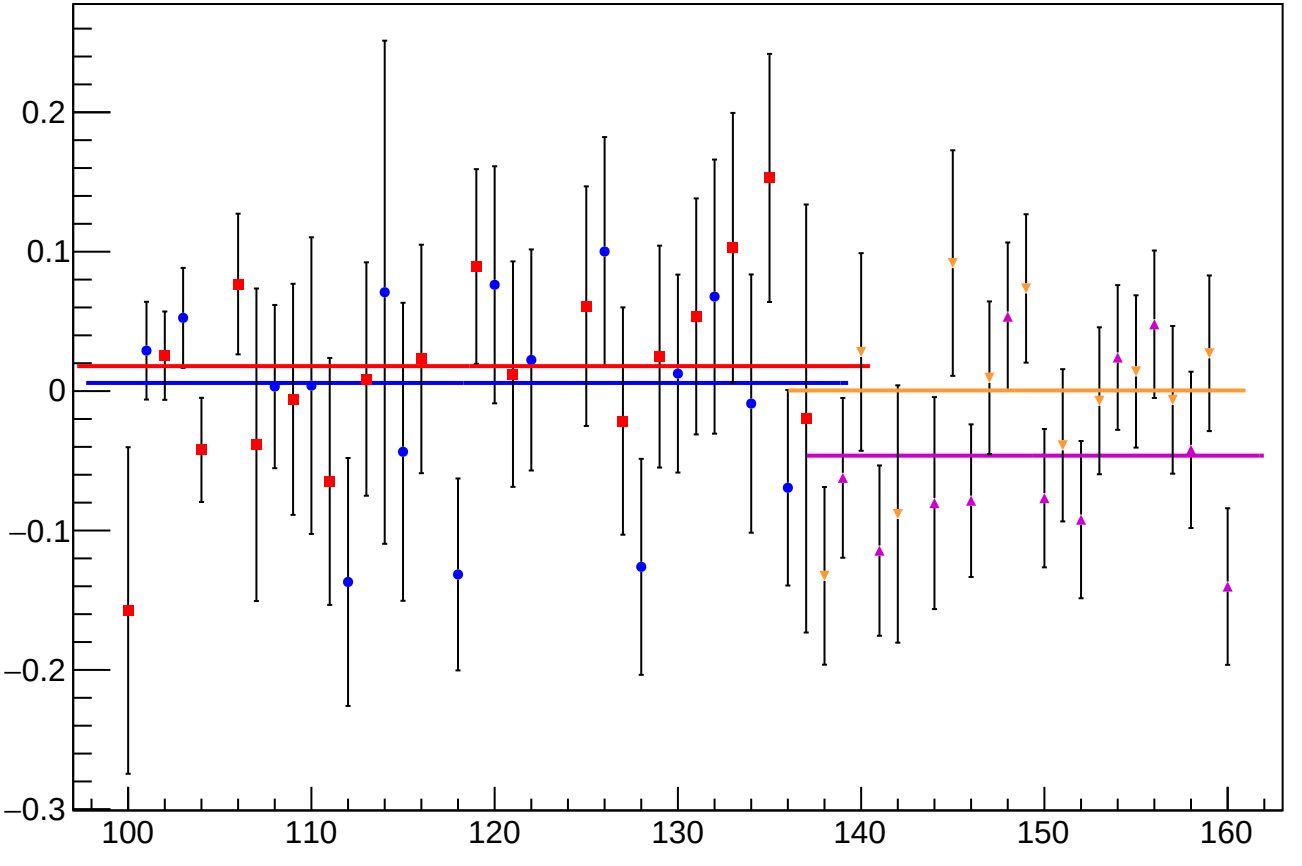
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:3174086.1/26

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

All: 0.000+/-0.000 χ^2/NDF: 8015259.1/55

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.046+/-0.017 χ^2/NDF:14.2/10

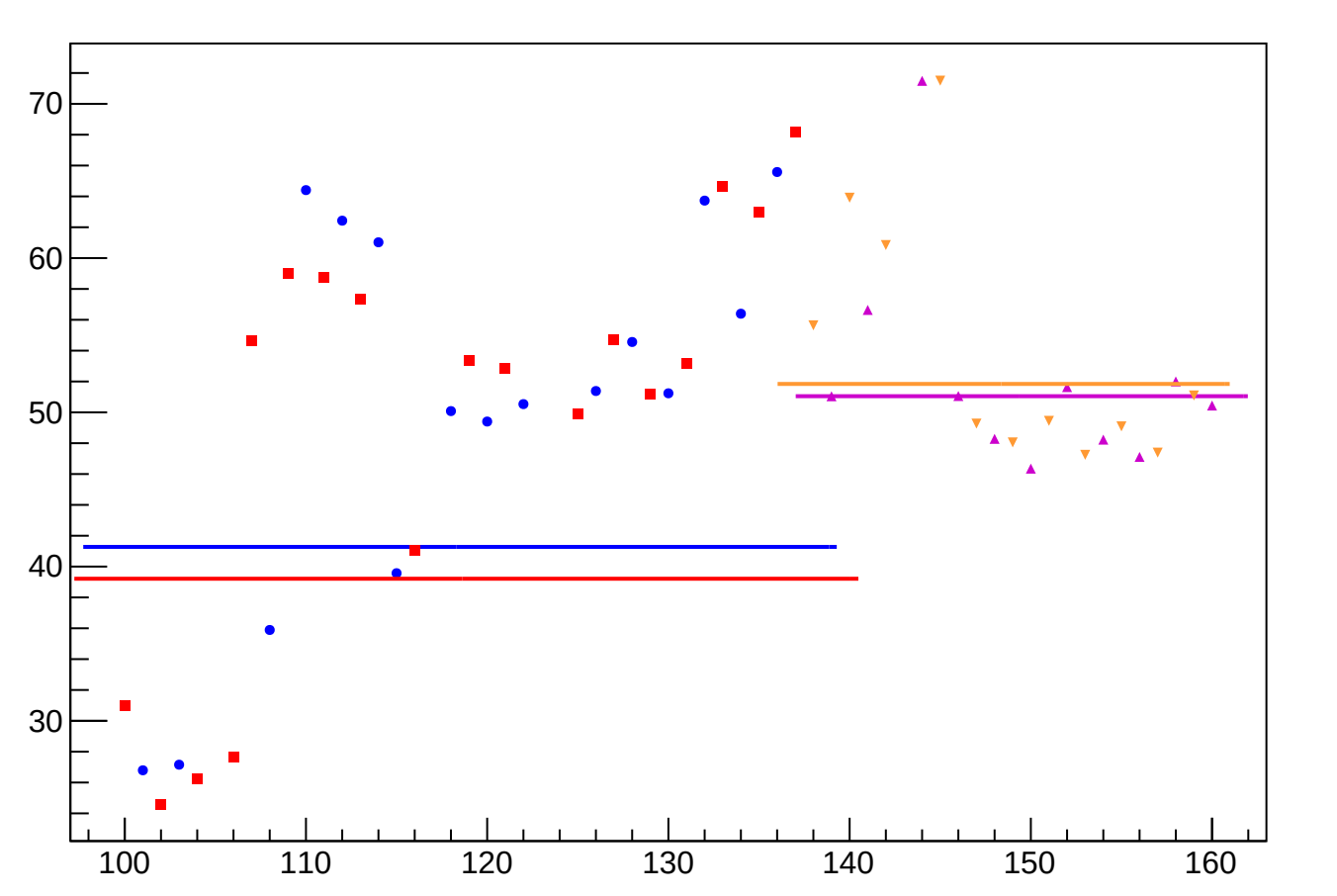
Left: -0.024+/-0.012 χ^2/NDF: 27.3/21

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.020+/-0.012 χ^2/NDF:34.7/26

Out: 0.010+/-0.012 χ^2/NDF:22.3/28

All: -0.005+/-0.008 χ^2/NDF: 60.2/55



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: 51.047+/-0.012 χ^2/NDF:202695.8/10

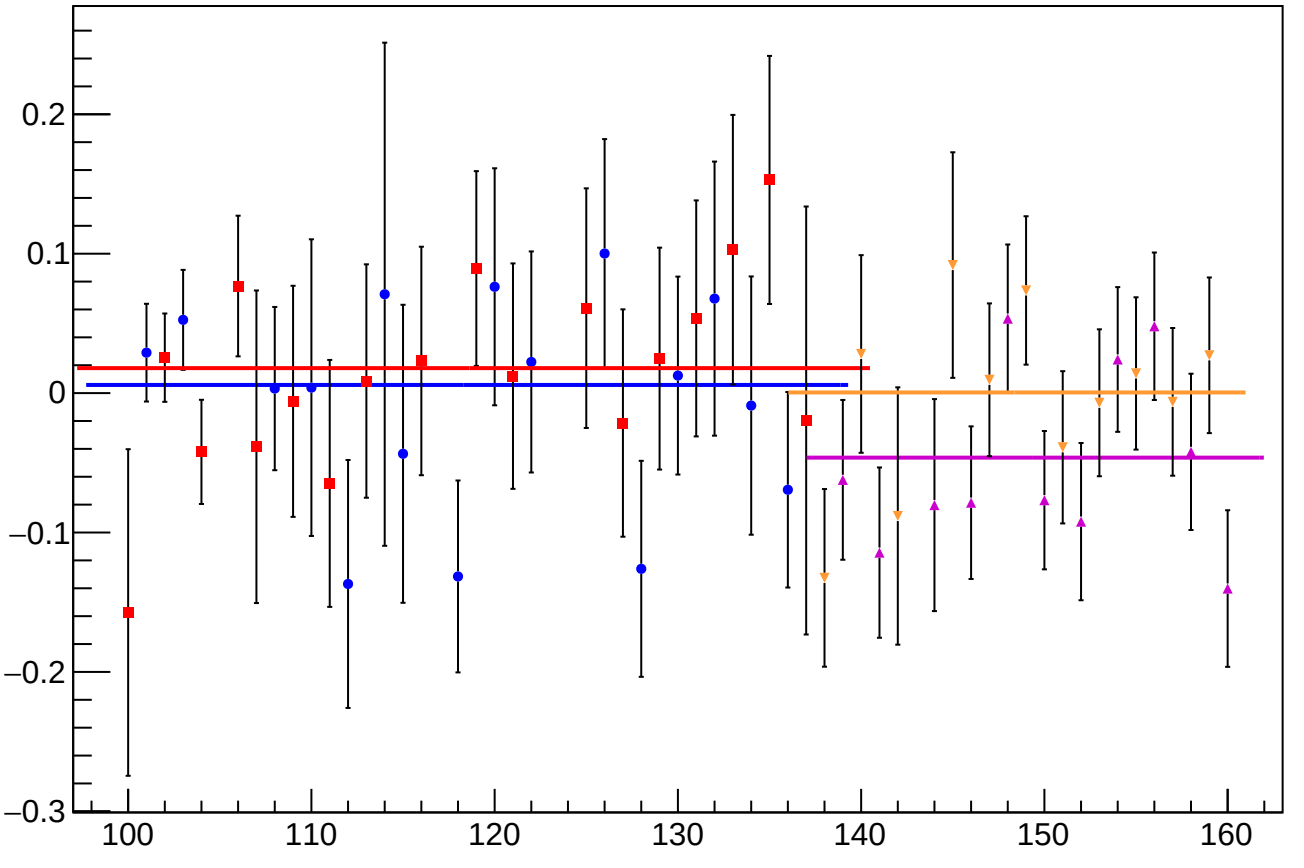
Left: 51.420+/-0.009 χ^2/NDF: 460278.7/21

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

In: 46.063+/-0.008 χ^2/NDF:2050446.7/26

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

All: 45.386+/-0.006 χ^2/NDF: 4699554.1/55



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: -0.046+/-0.017 χ^2/NDF:14.2/10

Left: -0.024+/-0.012 χ^2/NDF: 27.3/21

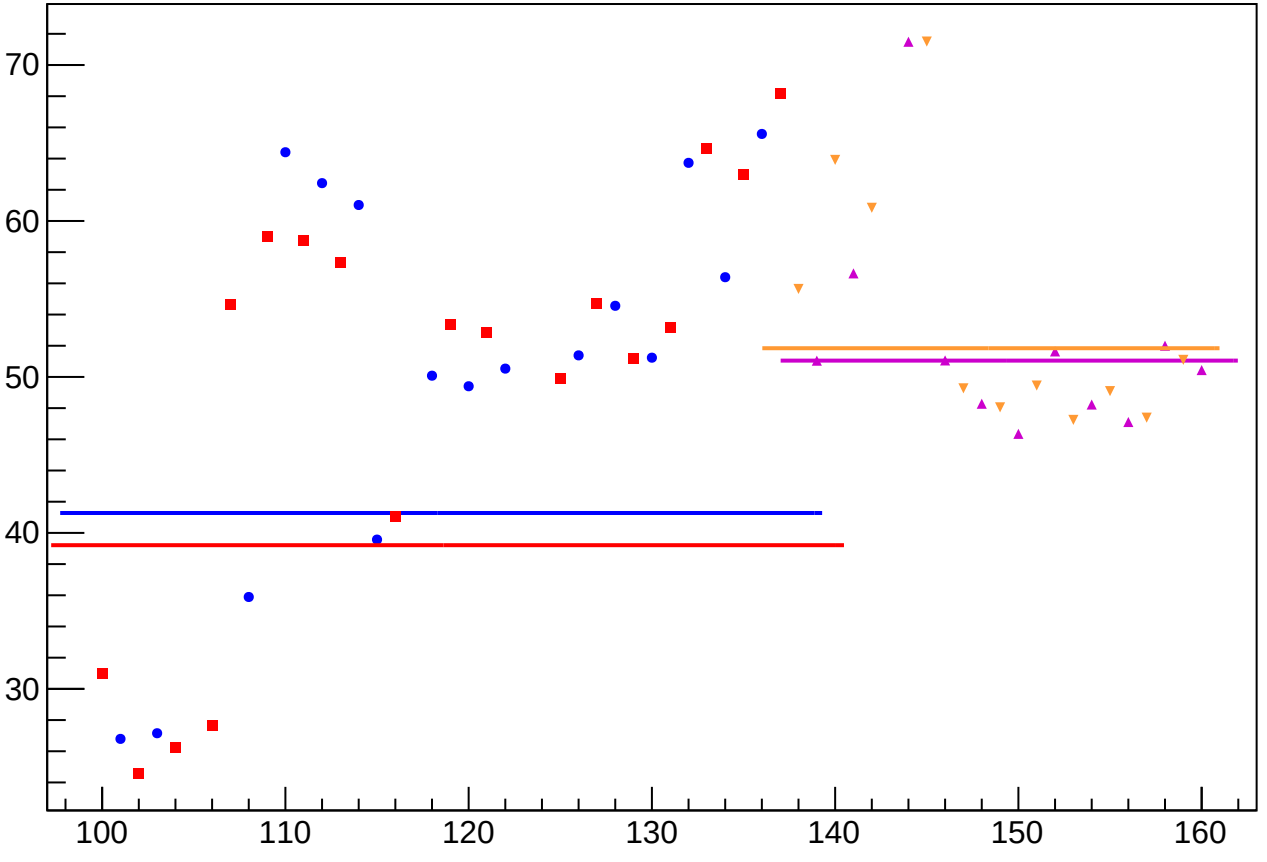
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.020+/-0.012 χ^2/NDF:34.7/26

Out: 0.010+/-0.012 χ^2/NDF:22.3/28

All: -0.005+/-0.008 χ^2/NDF: 60.2/55

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: 51.047+/-0.012 χ^2/NDF:202695.8/10

Left: 51.420+/-0.009 χ^2/NDF: 460278.7/21

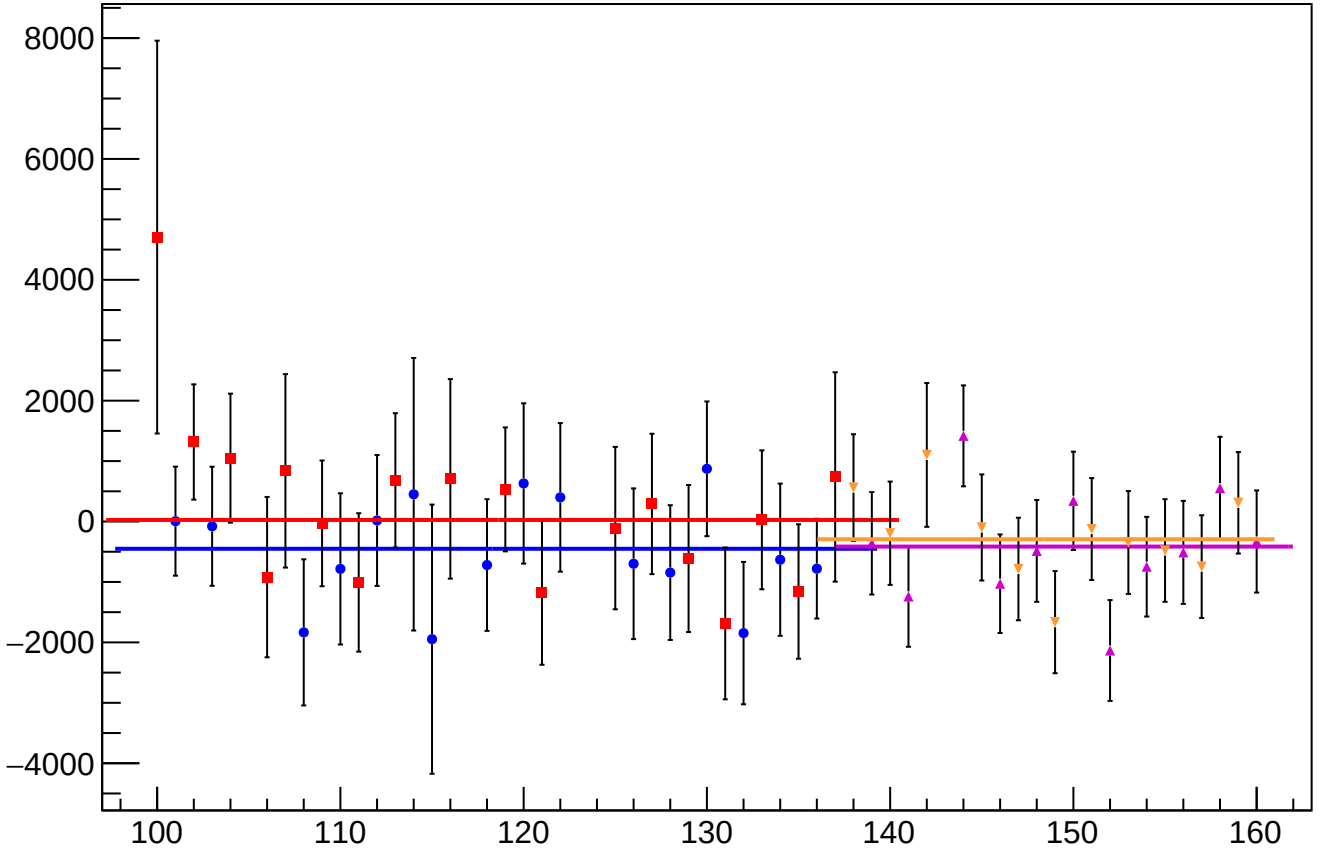
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.063+/-0.008 χ^2/NDF:2050446.7/26

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

All: 45.386+/-0.006 χ^2/NDF: 4699554.1/55

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: -414.415+/-251.877 χ^2/NDF:13.0/10

Left: -356.474+/-182.023 χ^2/NDF: 19.3/21

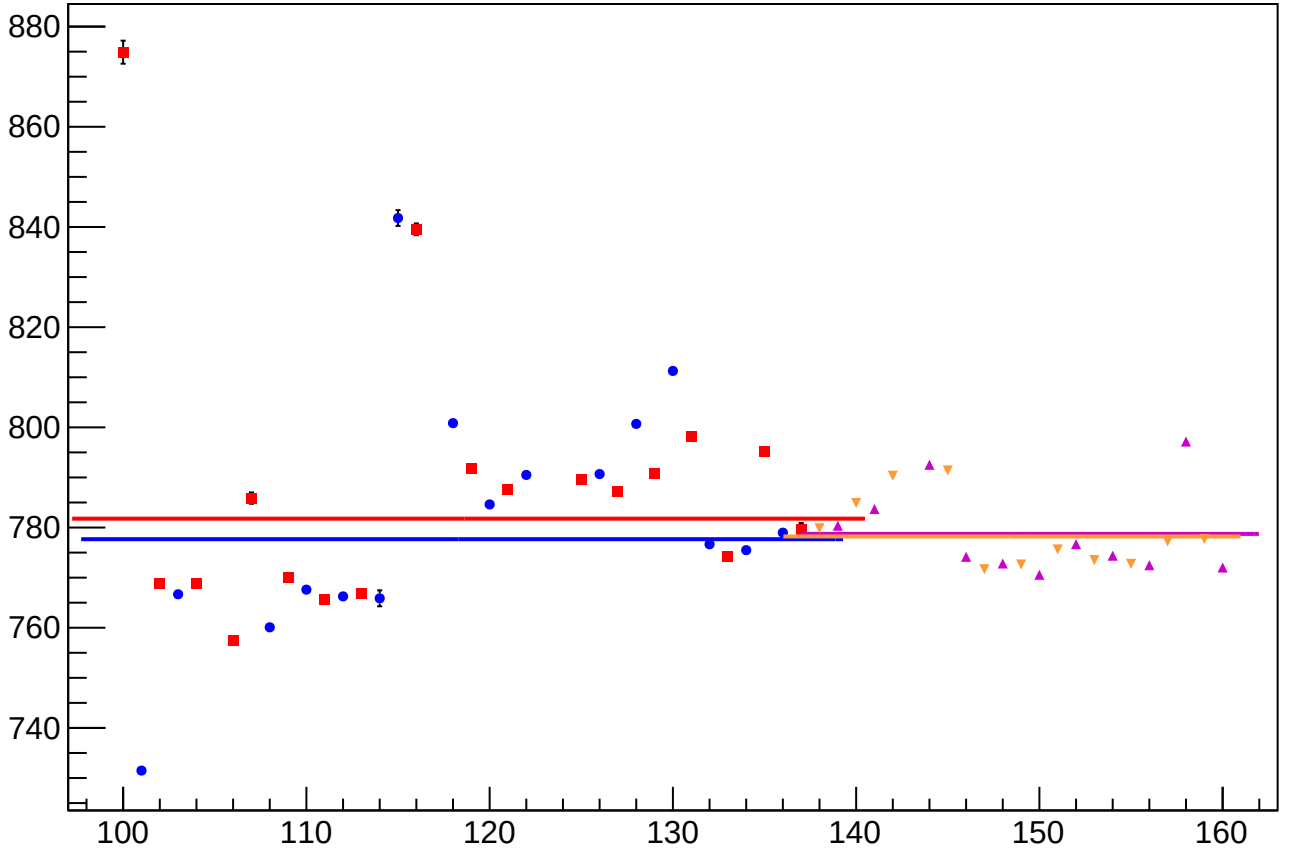
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -430.191+/-189.867 χ^2/NDF:19.9/26

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

All: -292.310+/-135.820 χ^2/NDF: 39.6/55

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: 778.733+/-0.178 χ^2/NDF:2233.4/10

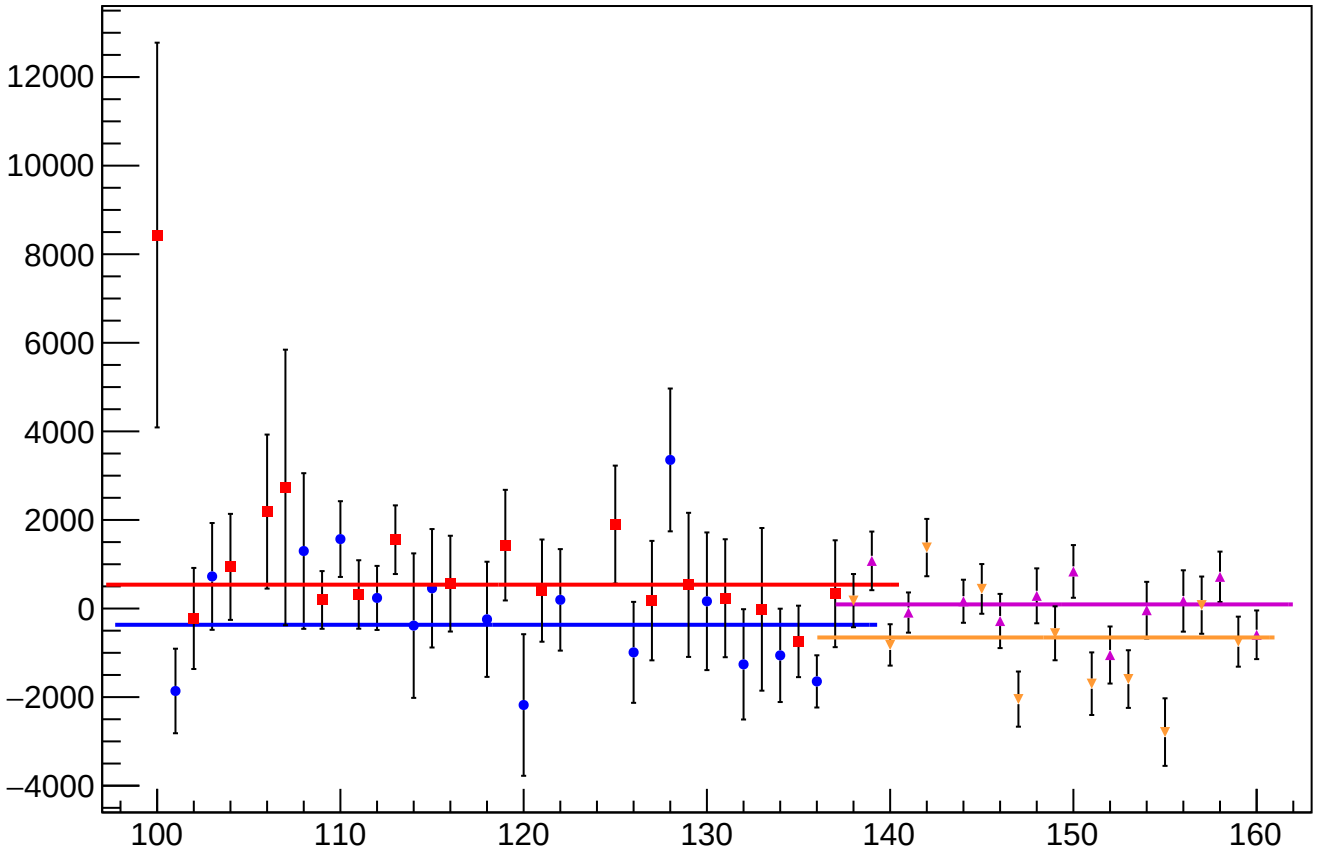
Left: 778.492+/-0.129 χ^2/NDF: 3397.5/21

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

In: 778.276+/-0.134 χ^2/NDF:14304.1/26

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

All: 779.041+/-0.096 χ^2/NDF: 23322.6/55



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: 93.256+/-174.582 χ^2/NDF:10.4/10

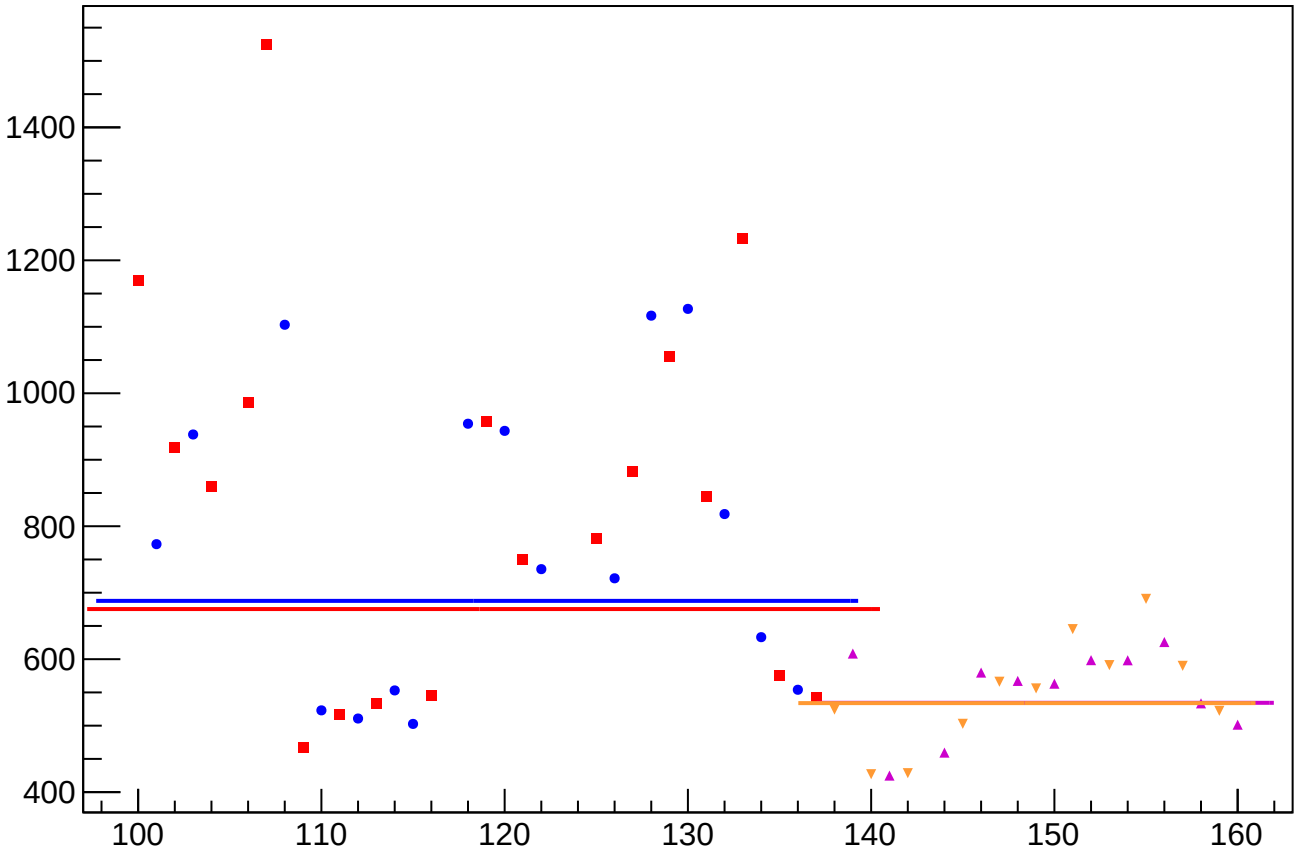
Left: -262.050+/-126.385 χ^2/NDF: 53.2/21

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

In: -44.809+/-146.069 χ^2/NDF:35.8/26

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

All: -151.090+/-104.753 χ^2/NDF: 96.5/55



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: 534.371+/-0.123 χ^2/NDF:292192.7/10

Left: 534.157+/-0.089 χ^2/NDF: 630112.0/21

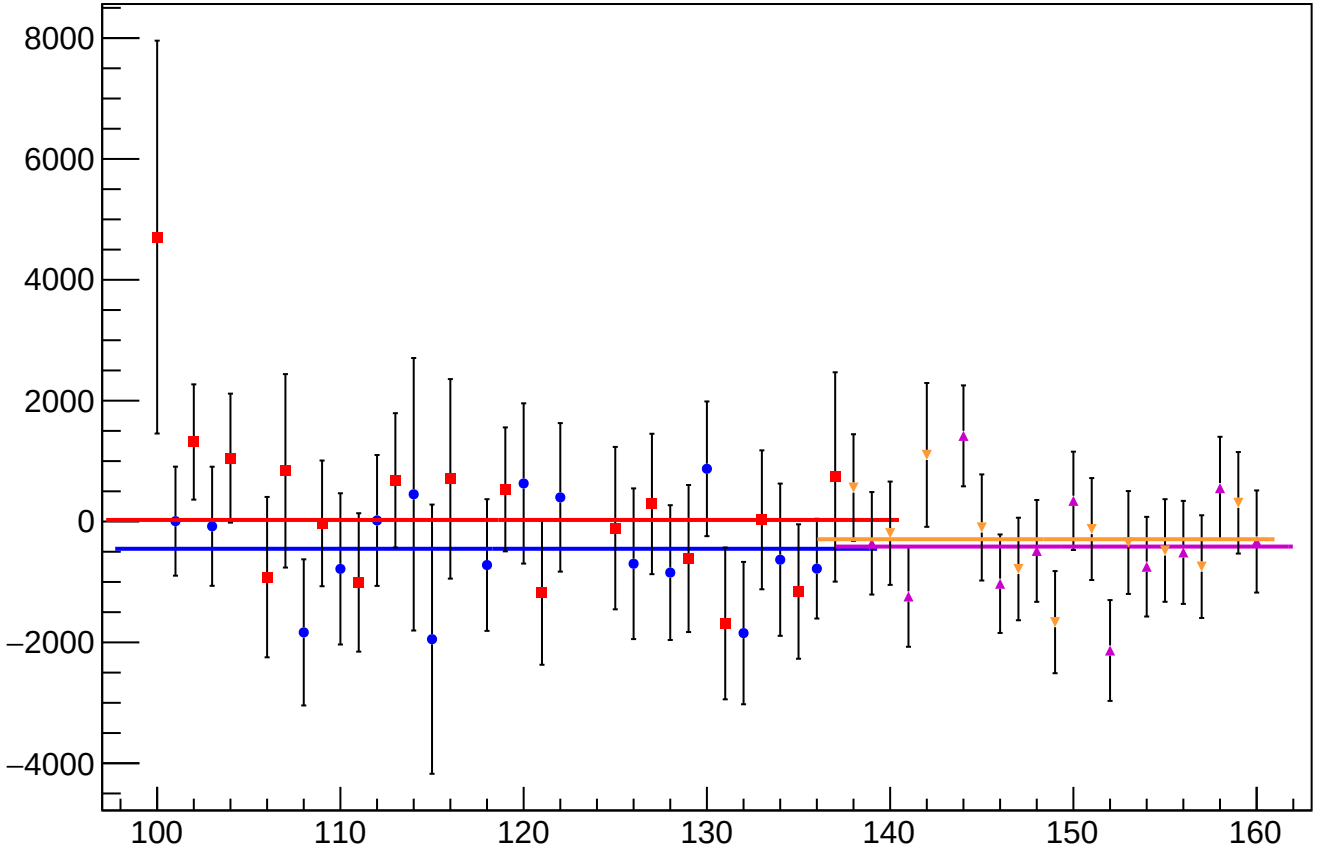
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 580.370+/-0.103 χ^2/NDF:1786958.6/26

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

All: 580.272+/-0.074 χ^2/NDF: 3827796.4/55

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: -414.415+/-251.877 χ^2/NDF:13.0/10

Left: -356.474+/-182.023 χ^2/NDF: 19.3/21

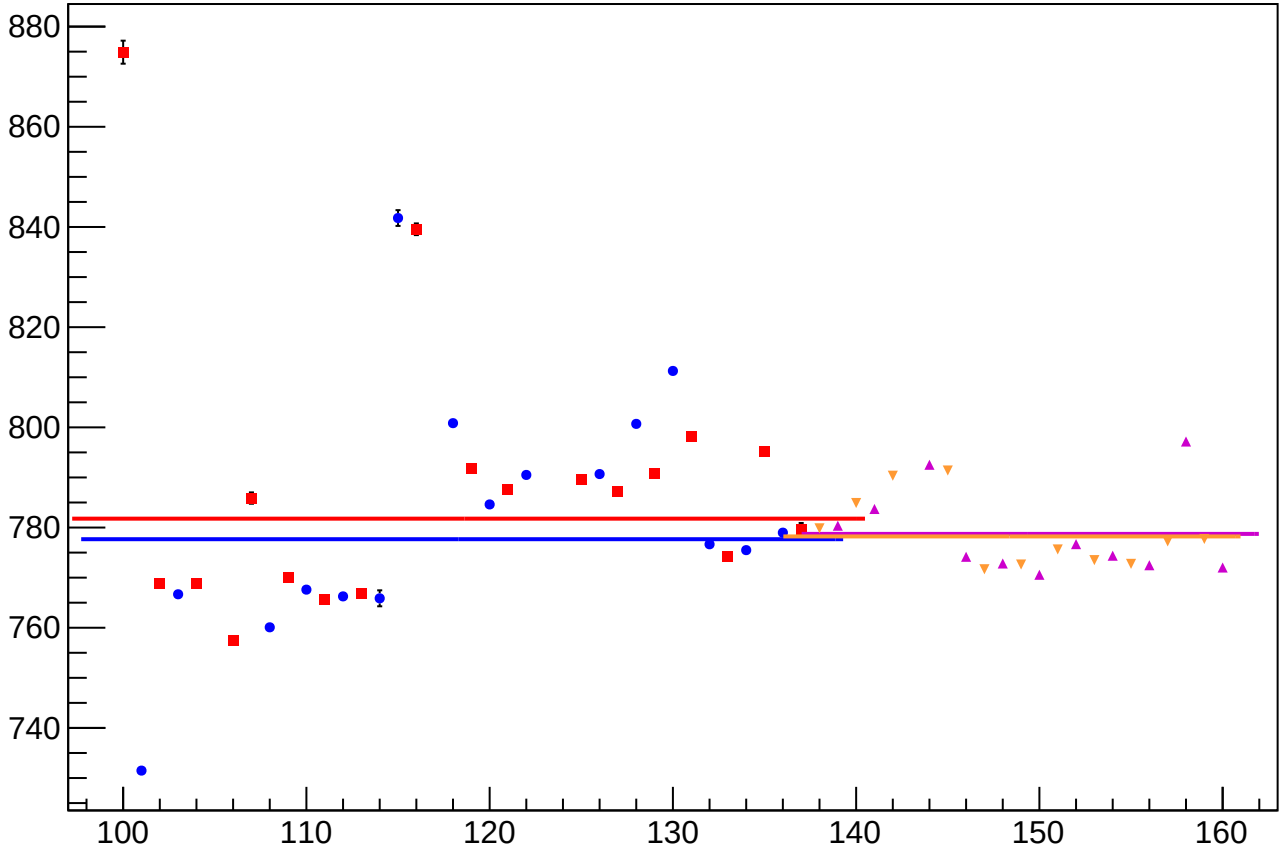
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -430.191+/-189.867 χ^2/NDF:19.9/26

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

All: -292.310+/-135.820 χ^2/NDF: 39.6/55

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: 778.733+/-0.178 χ^2/NDF:2233.4/10

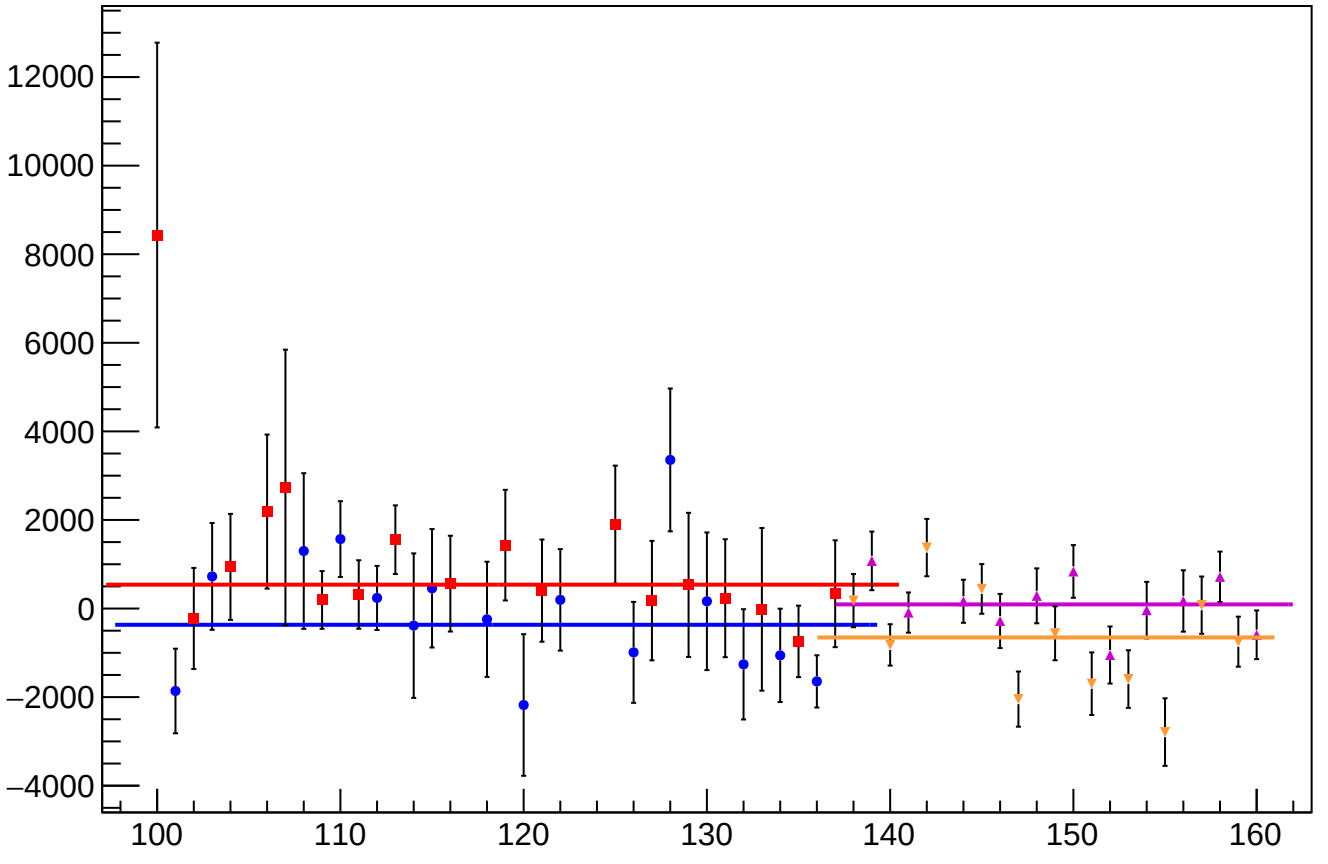
Left: 778.492+/-0.129 χ^2/NDF: 3397.5/21

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

In: 778.276+/-0.134 χ^2/NDF:14304.1/26

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

All: 779.041+/-0.096 χ^2/NDF: 23322.6/55



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: 93.256+/-174.582 χ^2/NDF:10.4/10

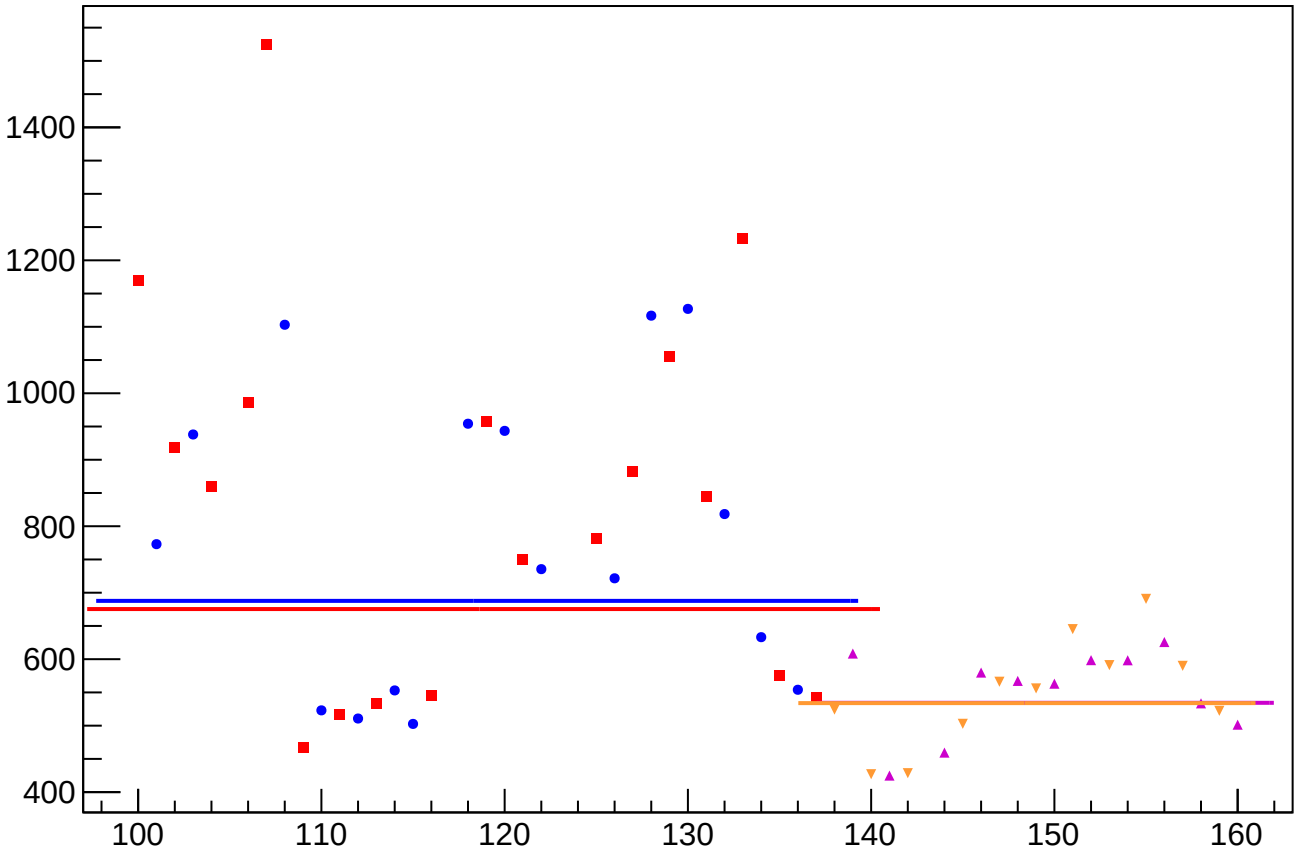
Left: -262.050+/-126.385 χ^2/NDF: 53.2/21

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

In: -44.809+/-146.069 χ^2/NDF:35.8/26

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

All: -151.090+/-104.753 χ^2/NDF: 96.5/55



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: 534.371+/-0.123 χ^2/NDF:292192.7/10

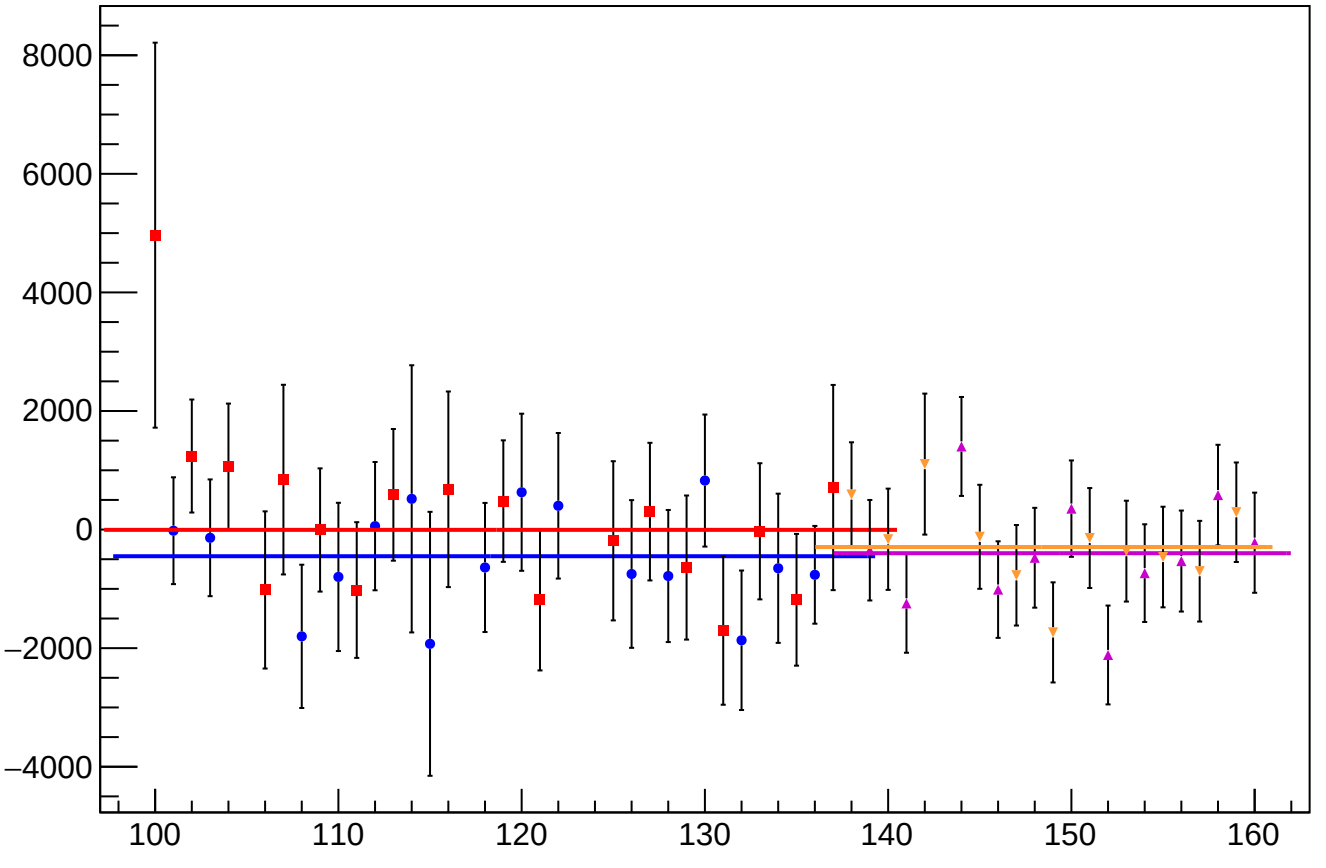
Left: 534.157+/-0.089 χ^2/NDF: 630112.0/21

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

In: 580.370+/-0.103 χ^2/NDF:1786958.6/26

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

All: 580.272+/-0.074 χ^2/NDF: 3827796.4/55



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: -398.374+/-251.677 χ^2/NDF:12.9/10

Left: -348.642+/-181.872 χ^2/NDF: 19.5/21

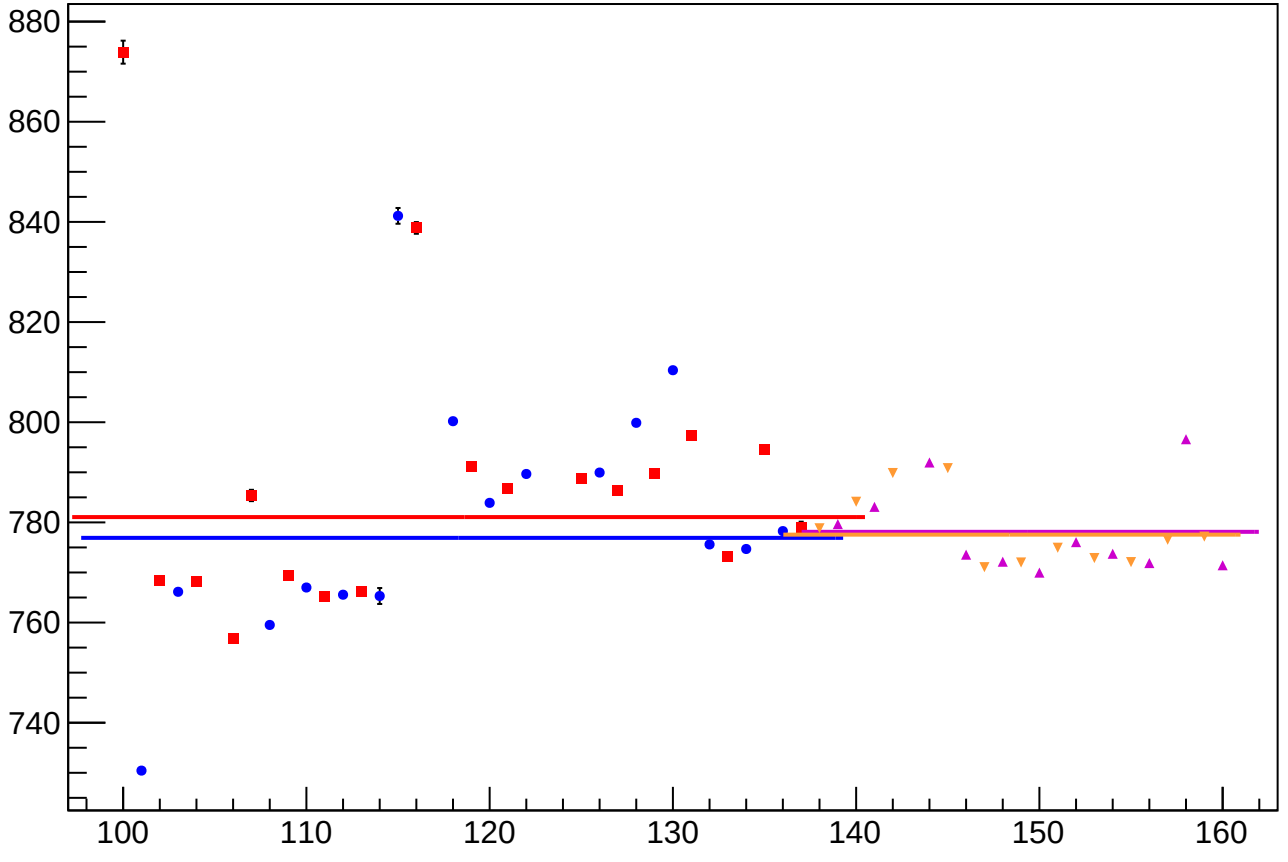
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -420.423+/-189.702 χ^2/NDF:19.7/26

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

All: -294.445+/-135.701 χ^2/NDF: 39.5/55

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: 778.116+/-0.178 χ^2/NDF:2244.5/10

Left: 777.848+/-0.129 χ^2/NDF: 3414.5/21

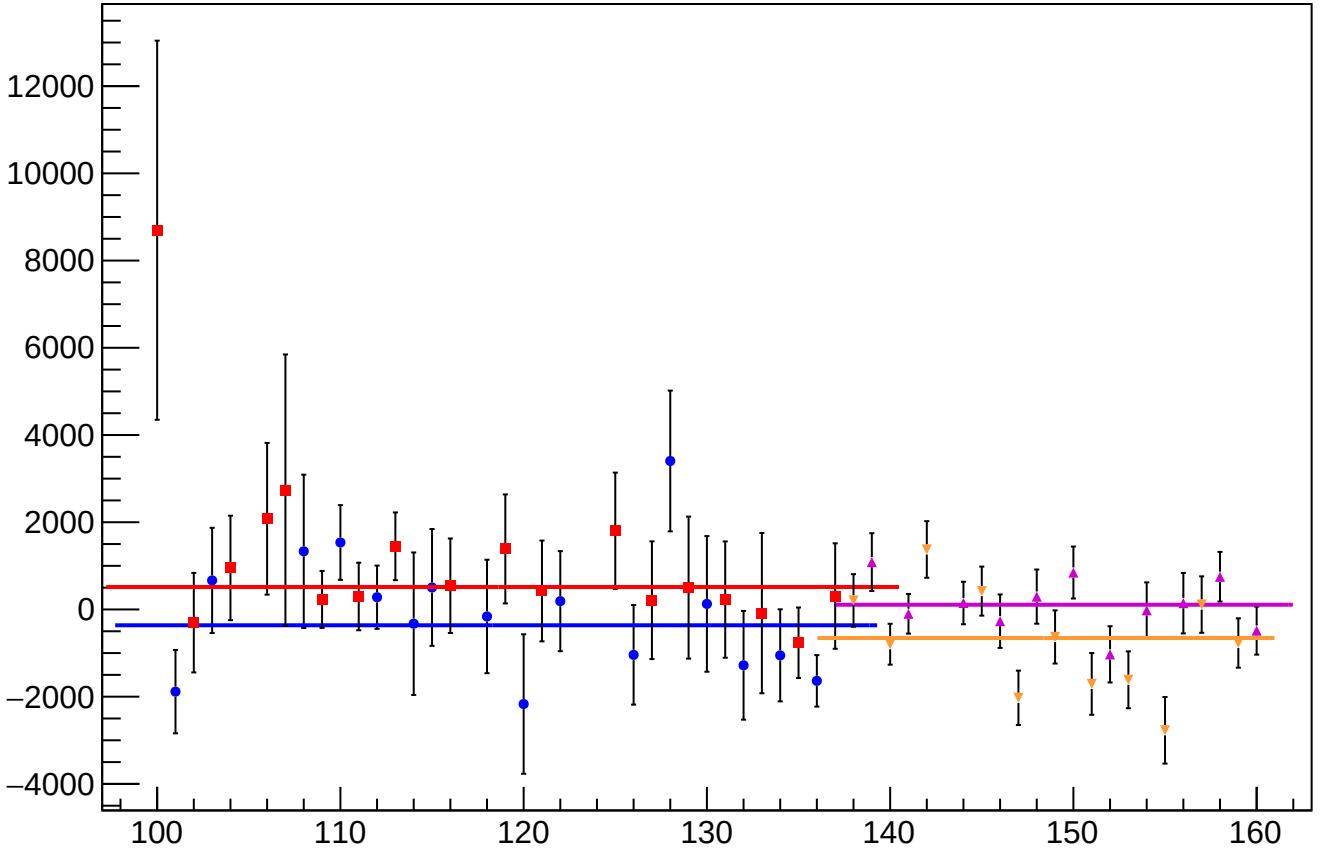
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.597+/-0.134 χ^2/NDF:14387.8/26

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

All: 778.356+/-0.096 χ^2/NDF: 23366.1/55

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: 108.173+/-174.889 χ^2/NDF:10.0/10

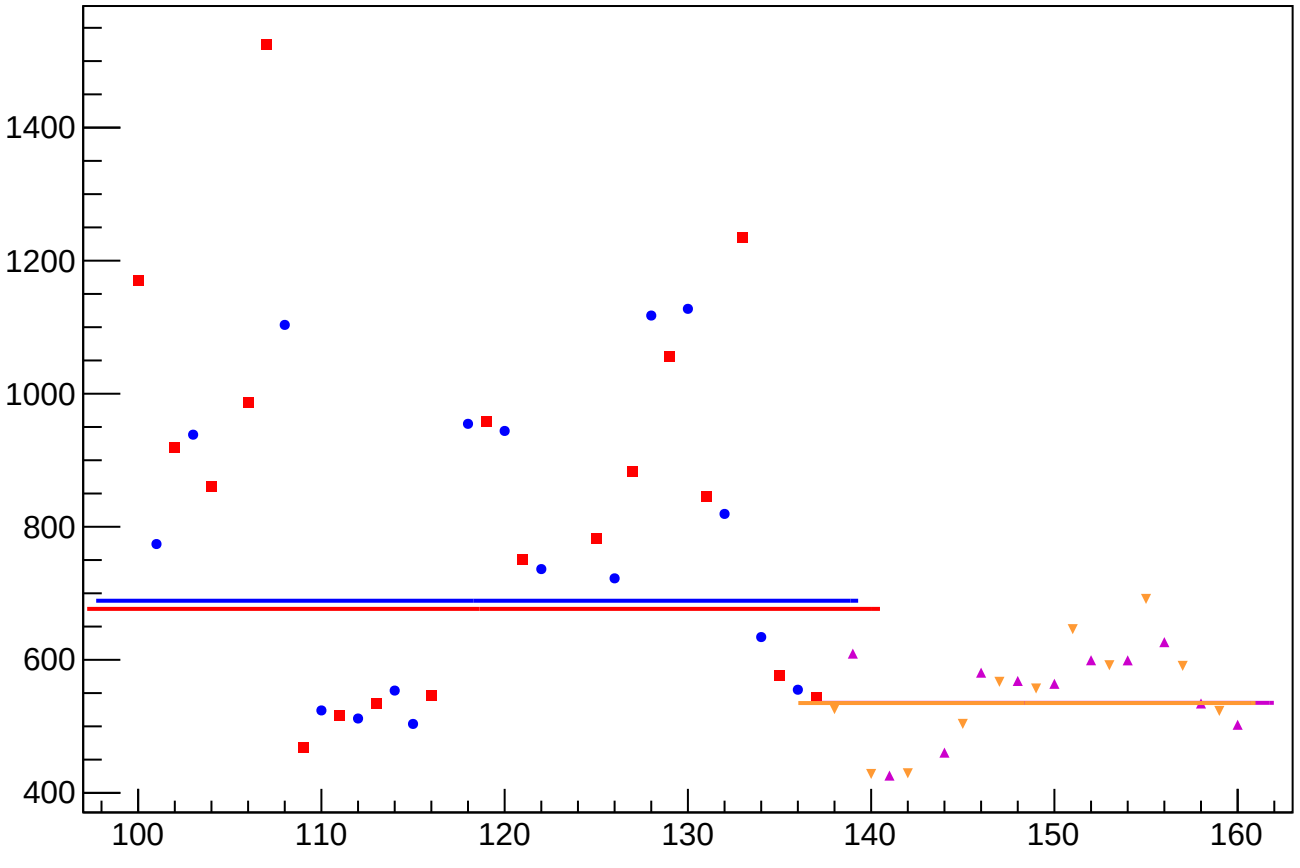
Left: -255.093+/-126.621 χ^2/NDF: 53.0/21

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

In: -33.168+/-146.313 χ^2/NDF:35.5/26

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

All: -149.359+/-104.935 χ^2/NDF: 95.4/55



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: 535.347+/-0.124 χ^2/NDF:290209.1/10

Left: 535.202+/-0.090 χ^2/NDF: 625295.7/21

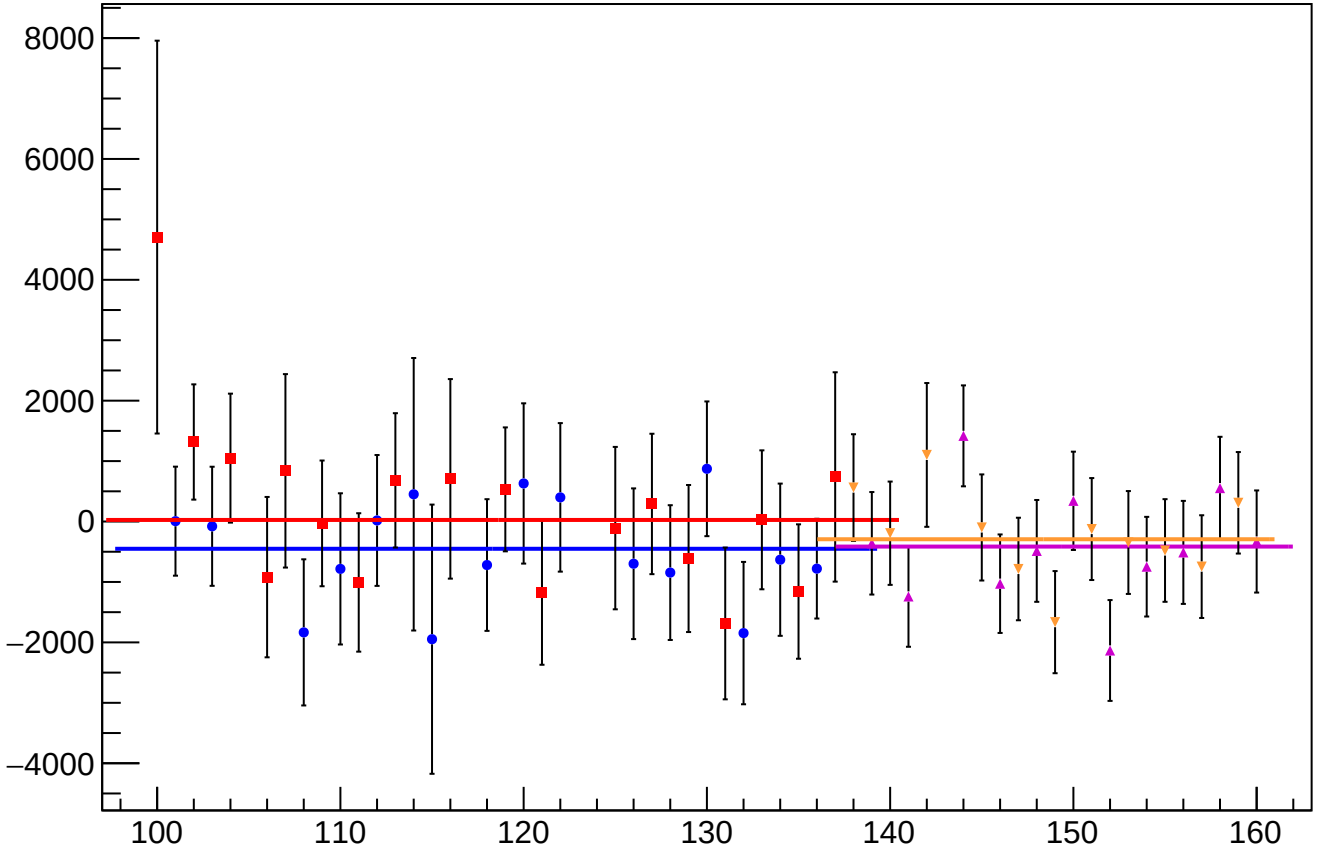
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 581.406+/-0.103 χ^2/NDF:1780580.4/26

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

All: 581.370+/-0.074 χ^2/NDF: 3812558.6/55

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: -414.415+/-251.877 χ^2/NDF:13.0/10

Left: -356.474+/-182.023 χ^2/NDF: 19.3/21

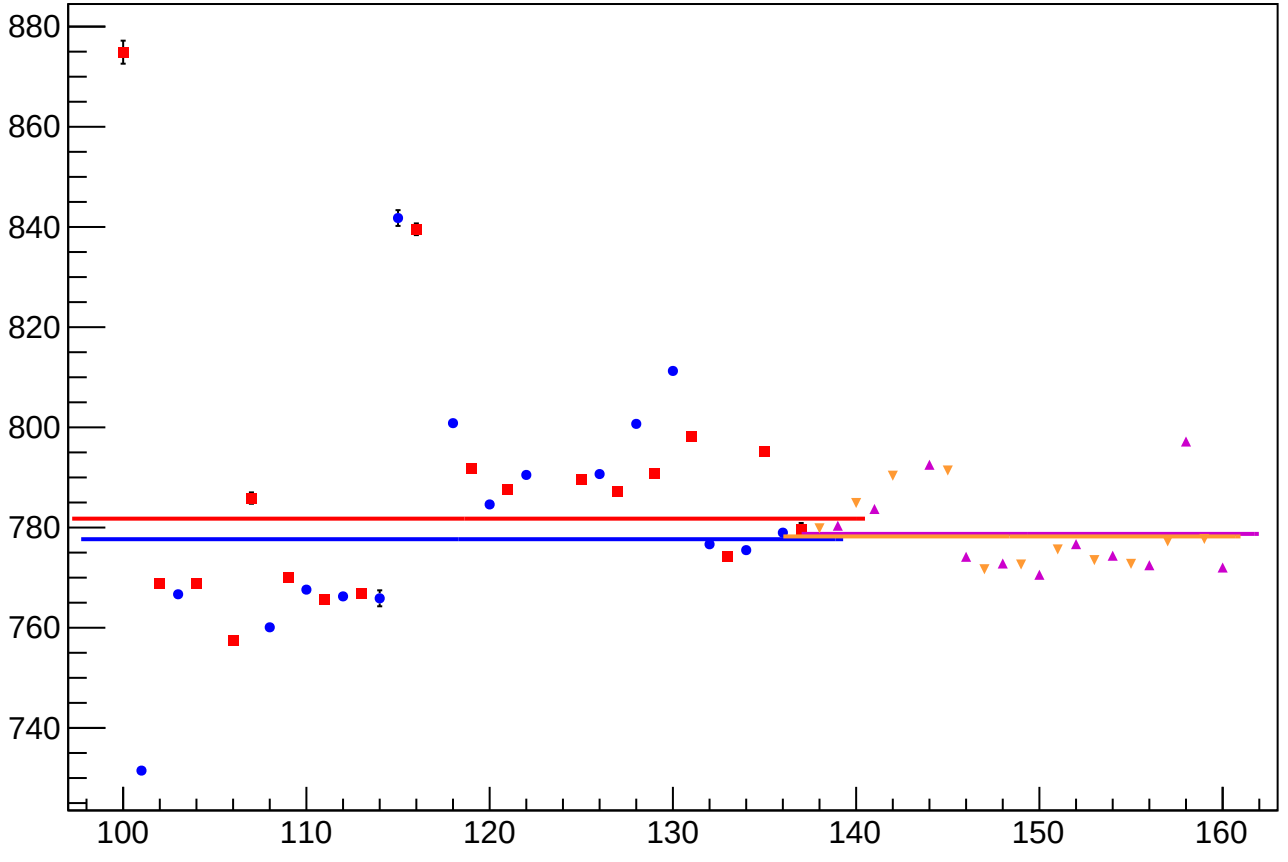
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -430.191+/-189.867 χ^2/NDF:19.9/26

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

All: -292.310+/-135.820 χ^2/NDF: 39.6/55

eigen_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: 778.733+/-0.178 χ^2/NDF:2233.4/10

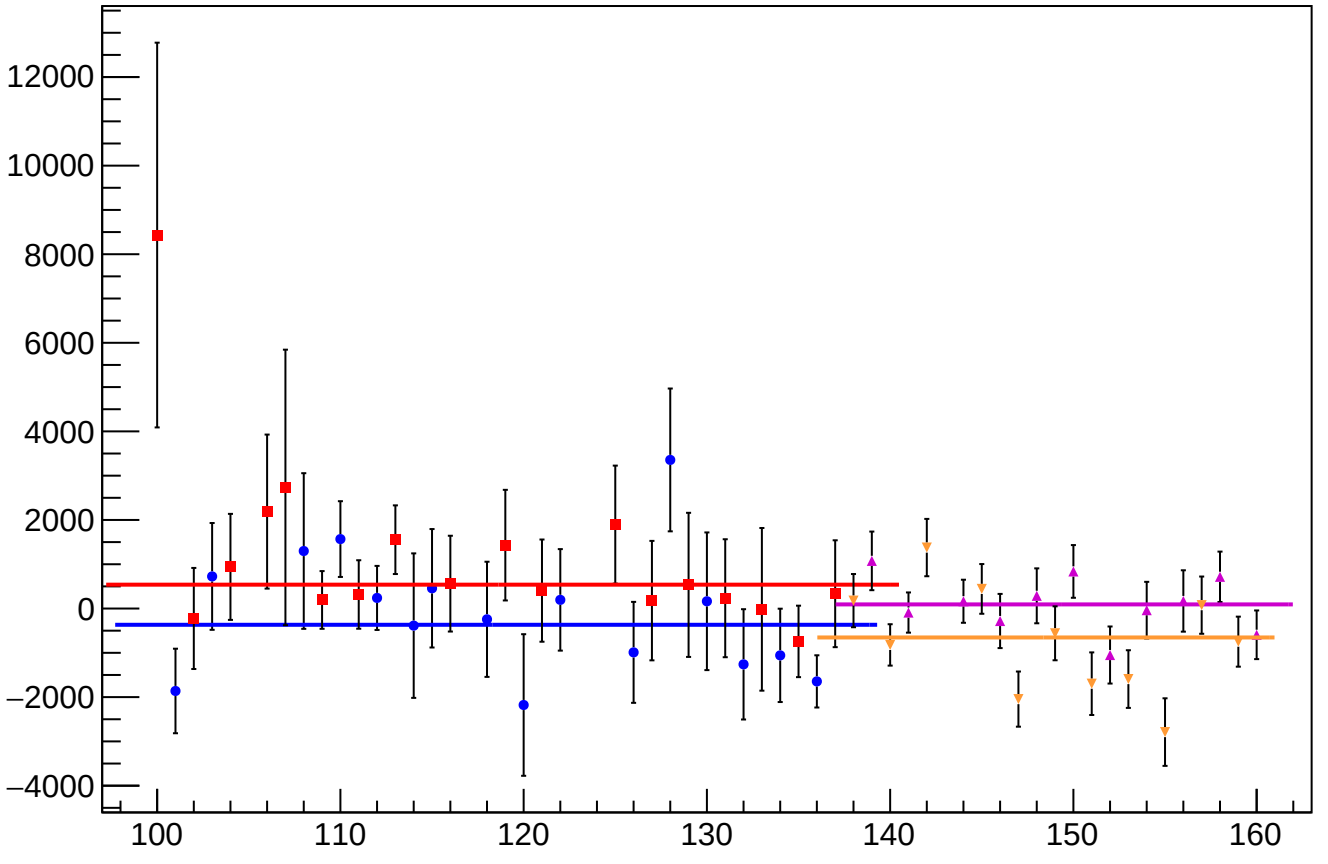
Left: 778.492+/-0.129 χ^2/NDF: 3397.5/21

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

In: 778.276+/-0.134 χ^2/NDF:14304.1/26

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

All: 779.041+/-0.096 χ^2/NDF: 23322.6/55



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: 93.256+/-174.582 χ^2/NDF:10.4/10

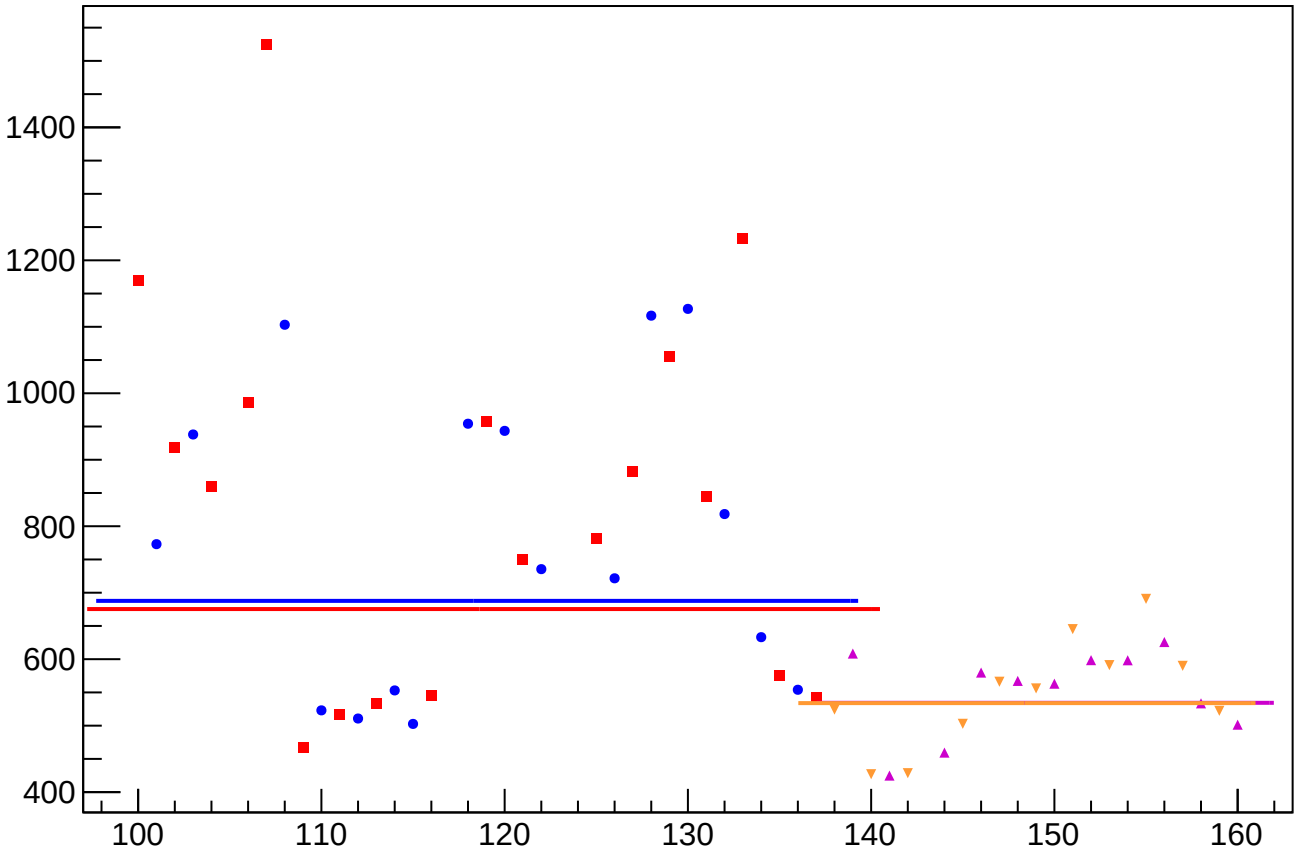
Left: -262.050+/-126.385 χ^2/NDF: 53.2/21

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

In: -44.809+/-146.069 χ^2/NDF:35.8/26

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

All: -151.090+/-104.753 χ^2/NDF: 96.5/55



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: 534.371+/-0.123 χ^2/NDF:292192.7/10

Left: 534.157+/-0.089 χ^2/NDF: 630112.0/21

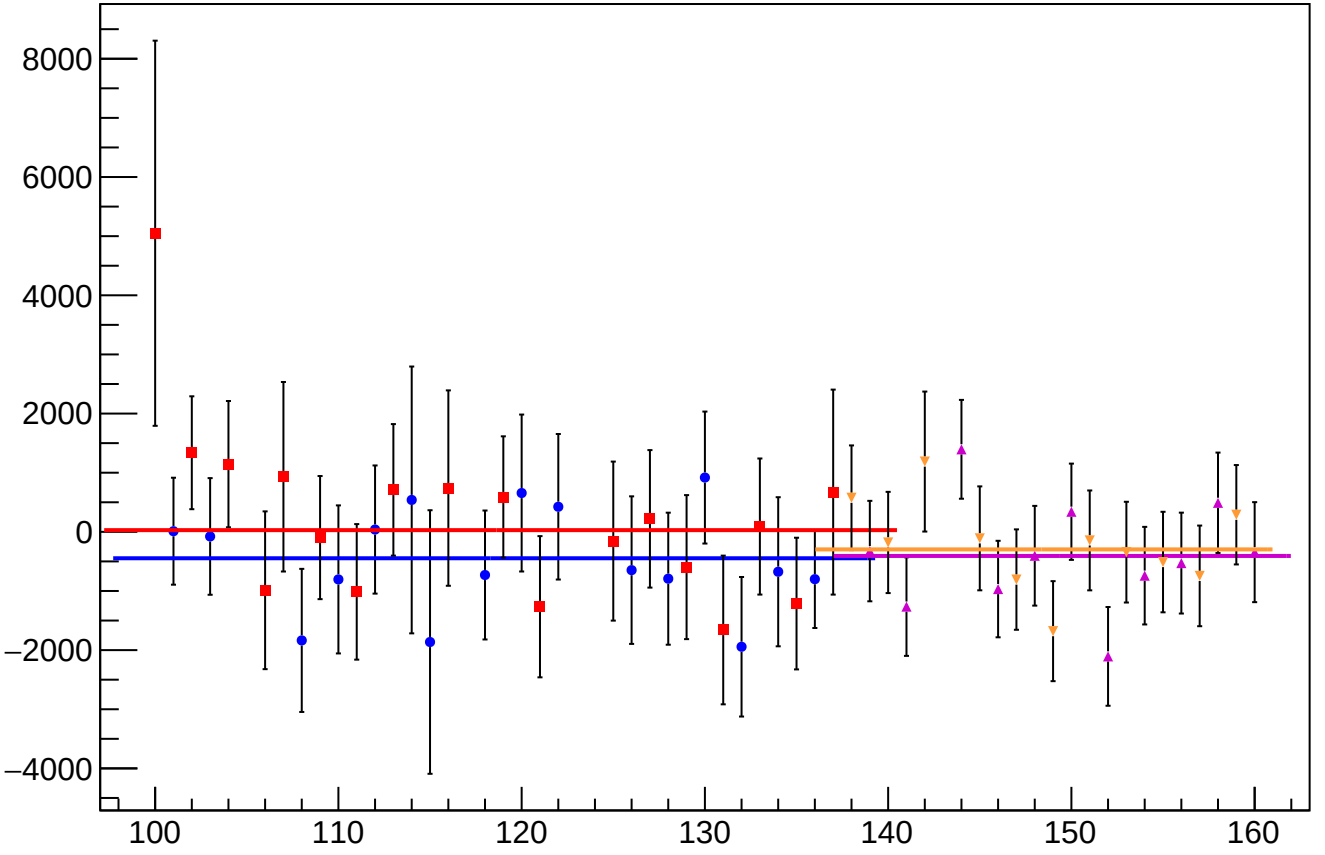
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 580.370+/-0.103 χ^2/NDF:1786958.6/26

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

All: 580.272+/-0.074 χ^2/NDF: 3827796.4/55

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: -407.662+/-252.064 χ^2/NDF:12.5/10

Left: -354.732+/-182.153 χ^2/NDF: 19.1/21

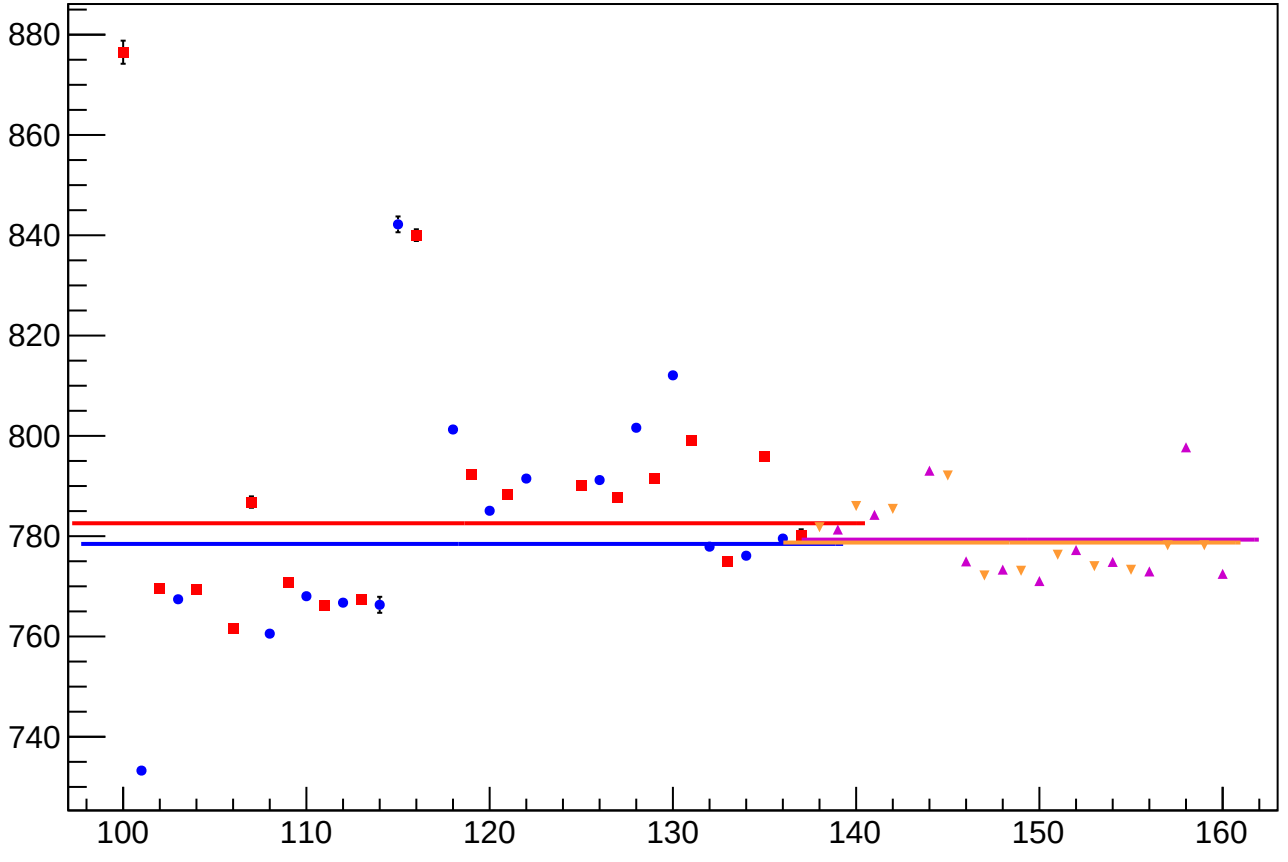
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -424.495+/-190.029 χ^2/NDF:19.8/26

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

All: -289.816+/-135.935 χ^2/NDF: 40.6/55

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: 779.312+/-0.178 χ^2/NDF:2236.6/10

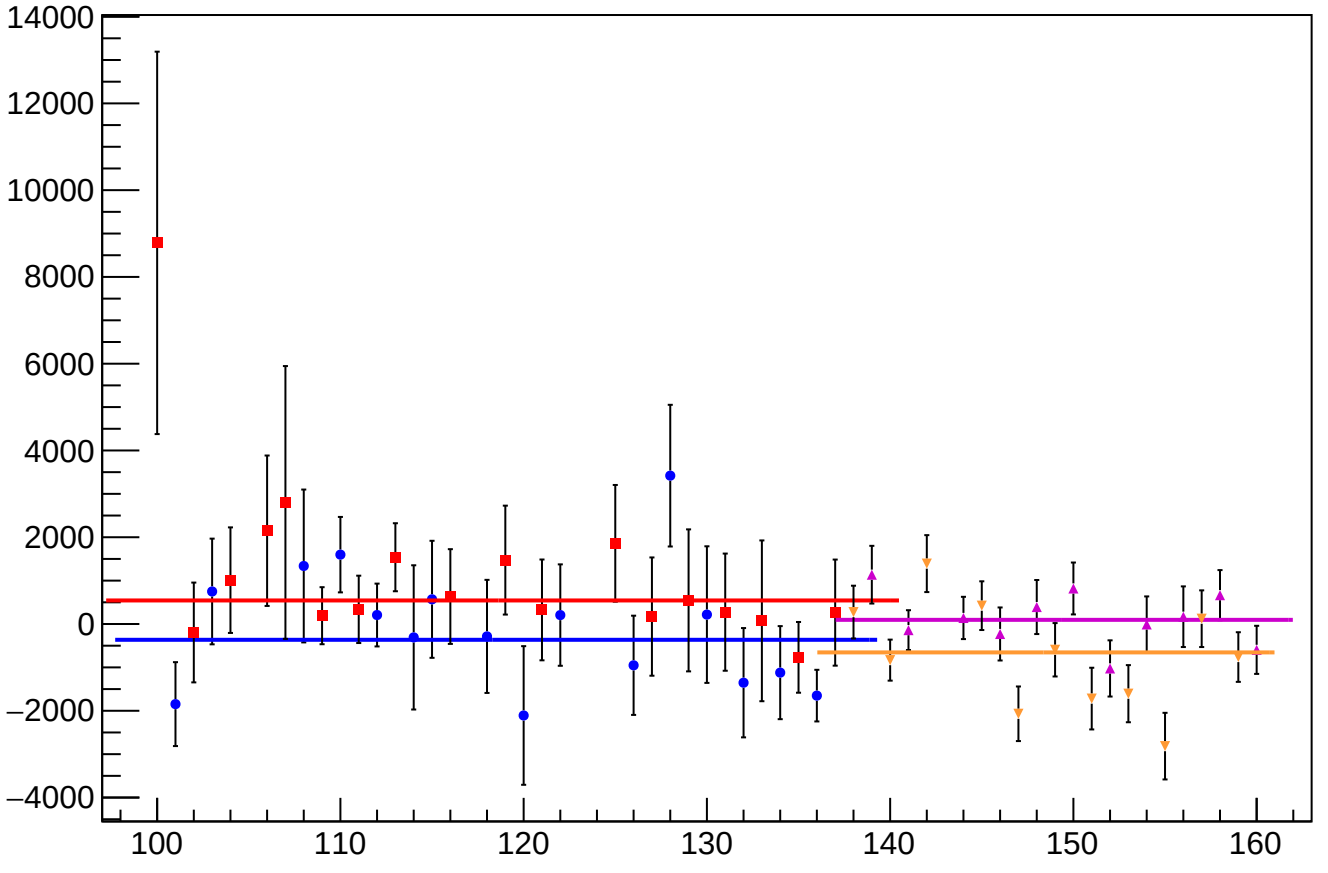
Left: 779.034+/-0.129 χ^2/NDF: 3307.2/21

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

In: 778.943+/-0.134 χ^2/NDF:14041.8/26

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

All: 779.693+/-0.096 χ^2/NDF: 22846.4/55



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: 95.976+/-175.833 χ^2/NDF:10.2/10

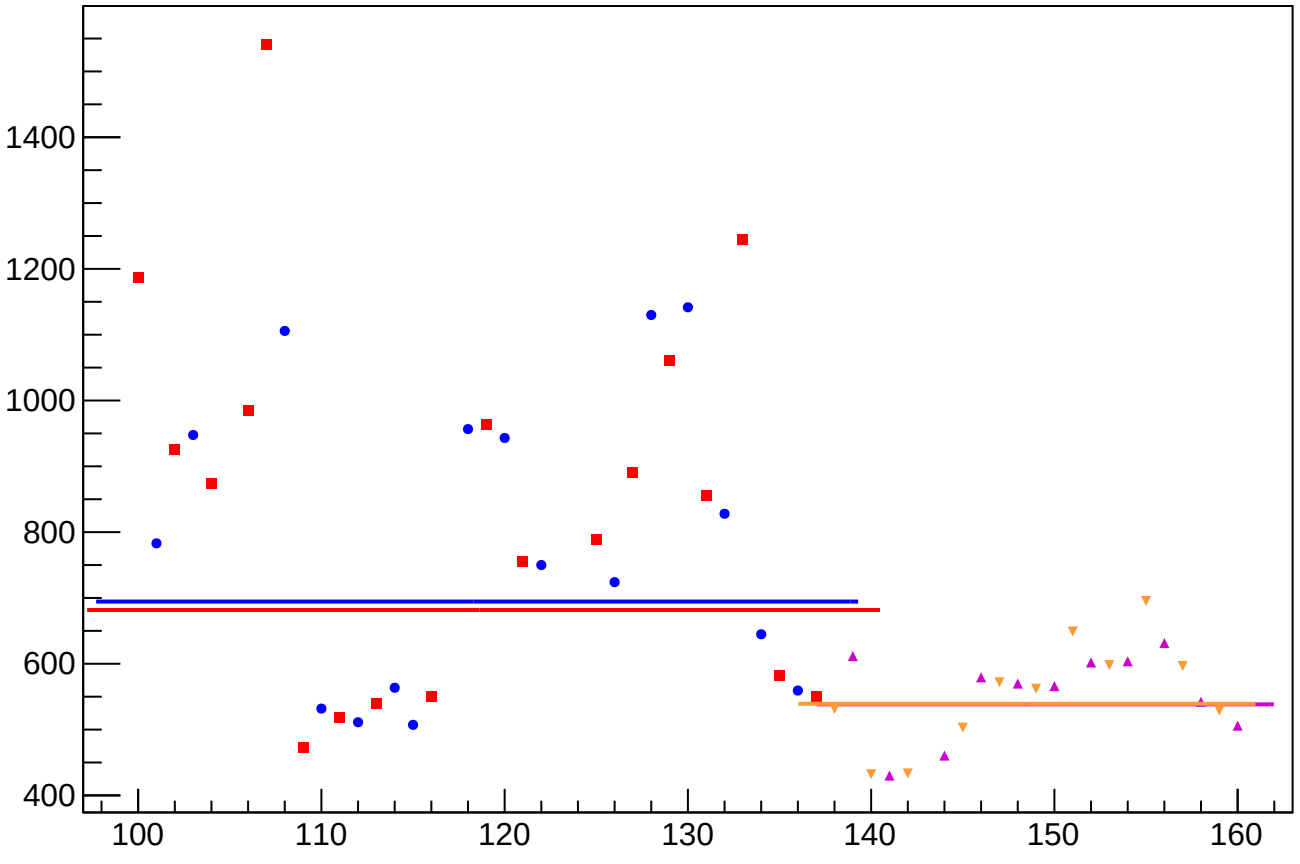
Left: -260.271+/-127.451 χ^2/NDF: 53.5/21

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

In: -41.490+/-147.232 χ^2/NDF:35.6/26

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

All: -148.798+/-105.668 χ^2/NDF: 96.8/55



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: 538.355+/-0.124 χ^2/NDF:287244.0/10

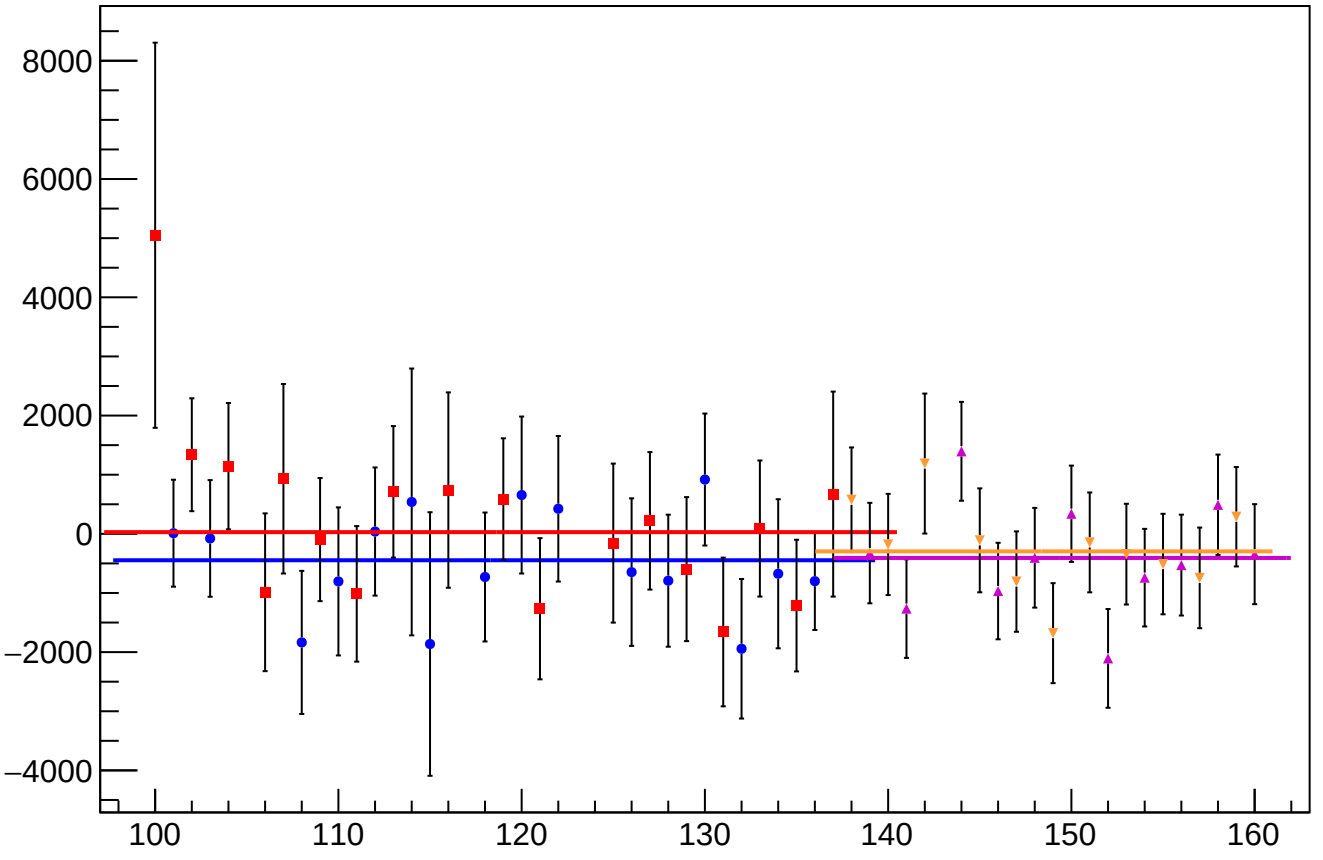
Left: 538.783+/-0.090 χ^2/NDF: 621173.2/21

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

In: 585.029+/-0.104 χ^2/NDF:1788634.0/26

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

All: 585.442+/-0.075 χ^2/NDF: 3822107.3/55



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: -407.661+/-252.064 χ^2/NDF:12.5/10

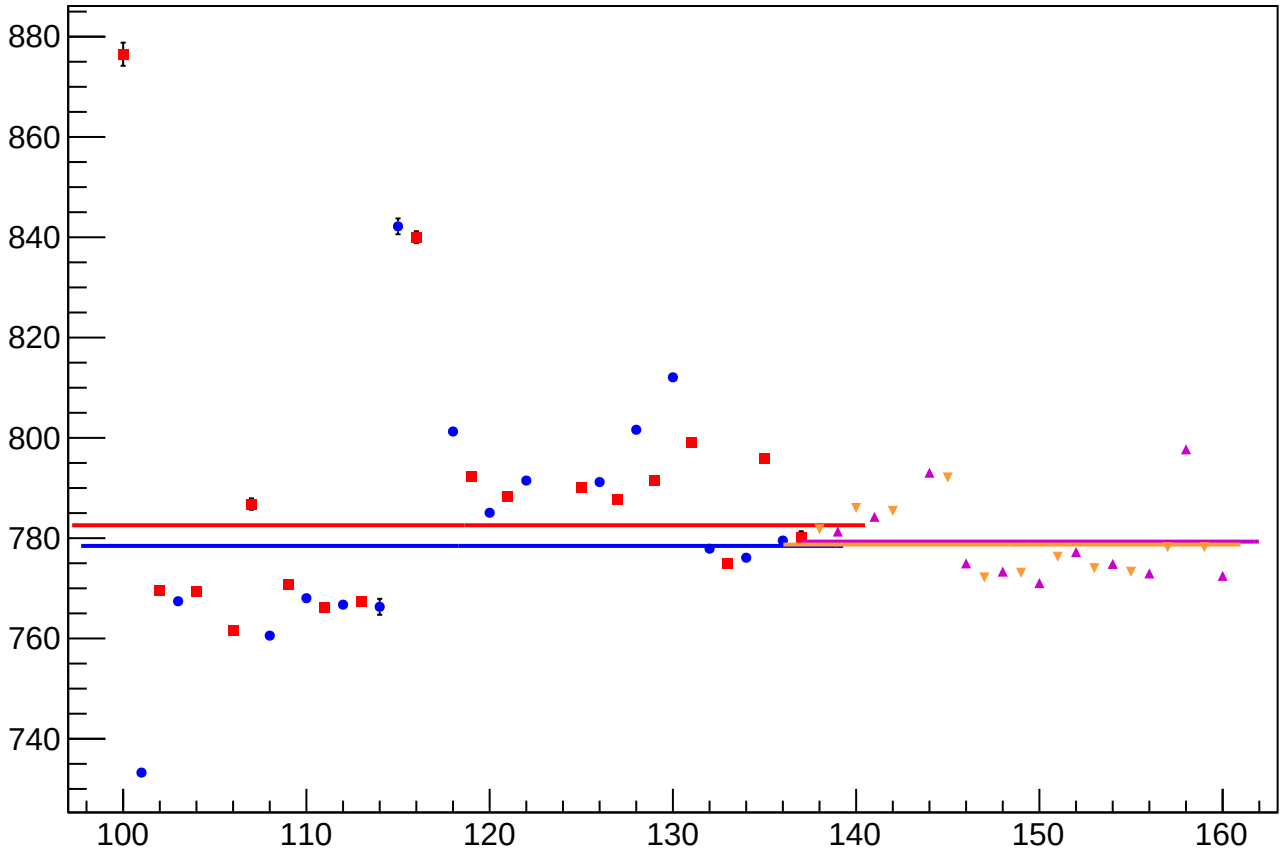
Left: -354.732+/-182.153 χ^2/NDF: 19.1/21

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

In: -424.494+/-190.029 χ^2/NDF:19.8/26

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

All: -289.817+/-135.935 χ^2/NDF: 40.6/55



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: 779.312+/-0.178 χ^2/NDF:2236.6/10

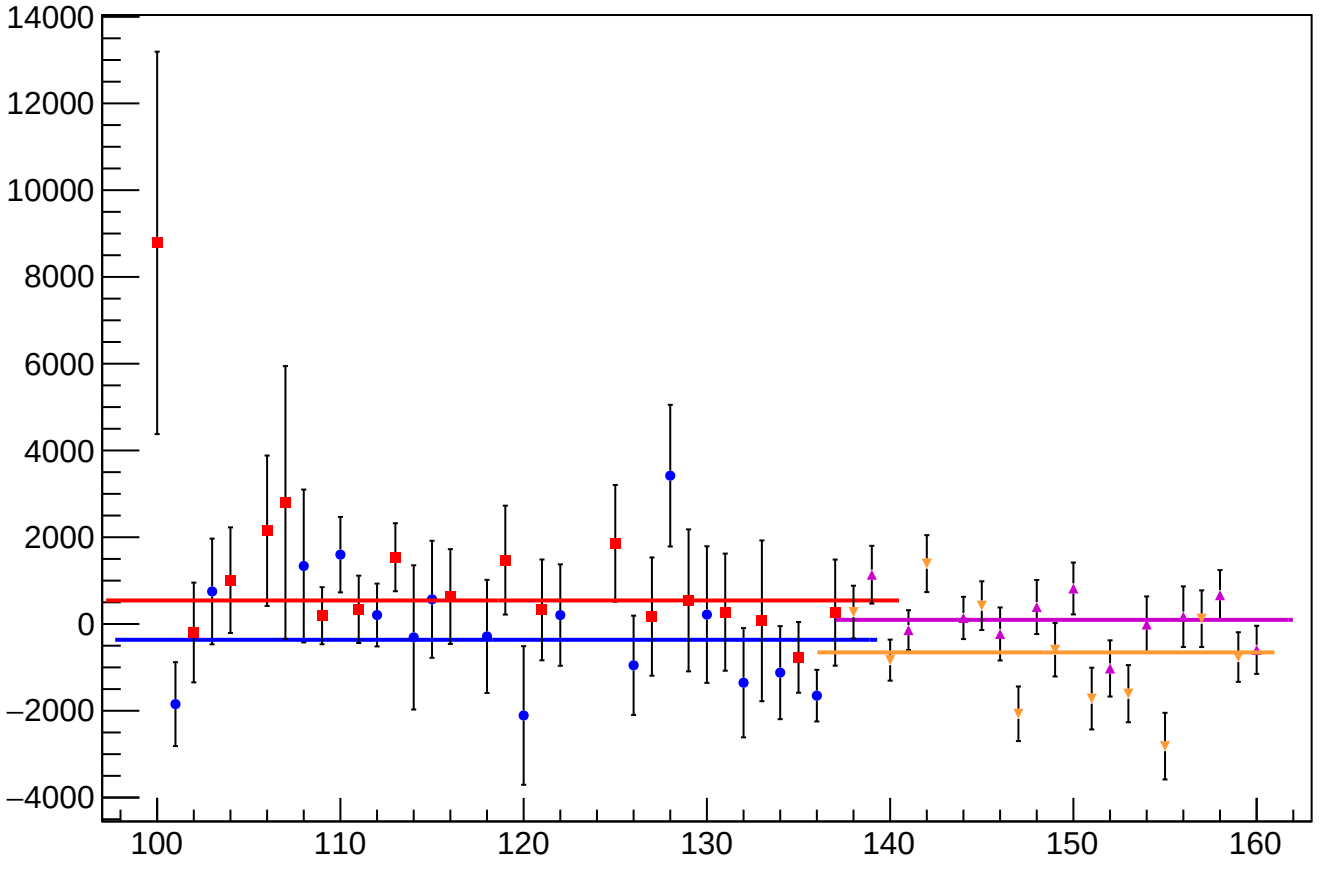
Left: 779.034+/-0.129 χ^2/NDF: 3307.2/21

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

In: 778.943+/-0.134 χ^2/NDF:14041.7/26

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

All: 779.693+/-0.096 χ^2/NDF: 22846.4/55



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: 95.974+/-175.834 χ^2/NDF:10.2/10

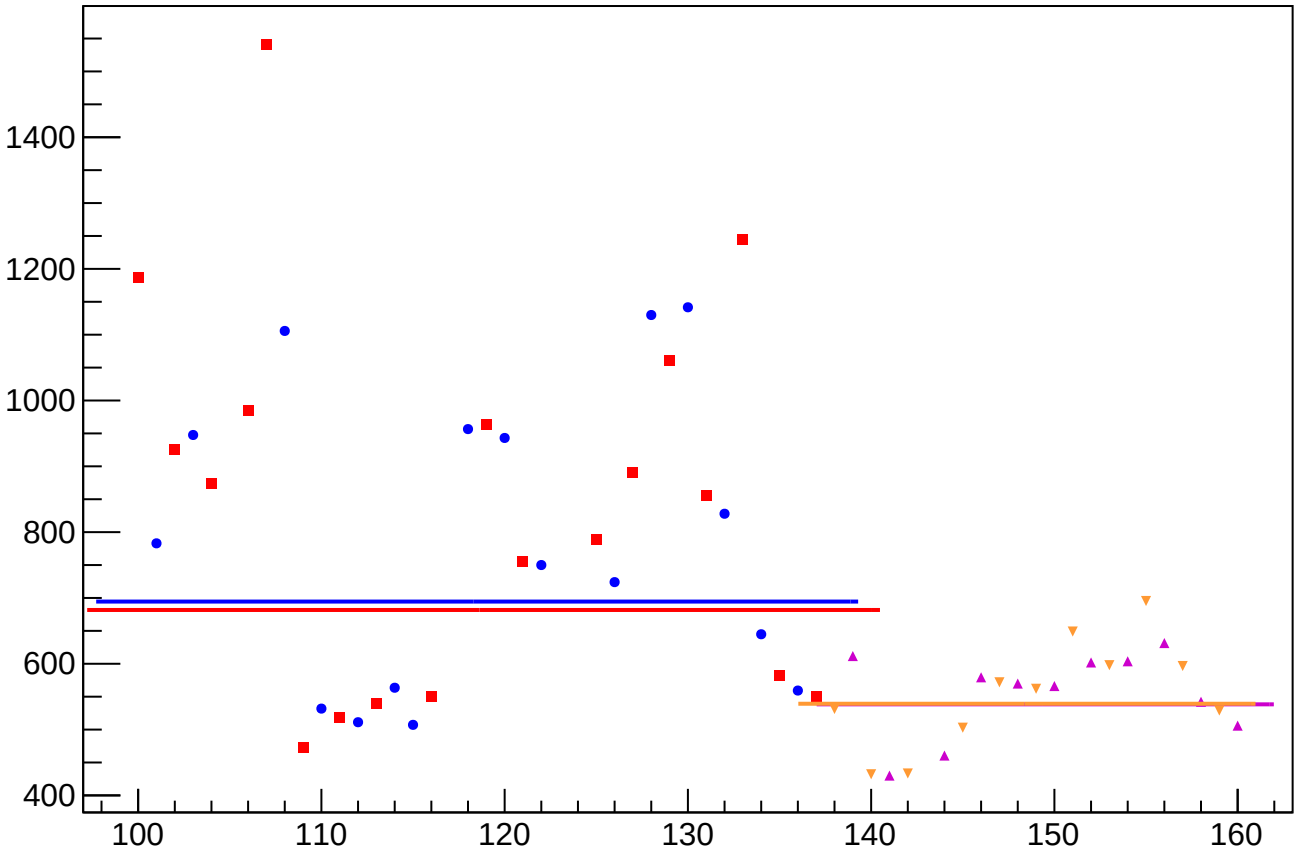
Left: -260.271+/-127.451 χ^2/NDF: 53.5/21

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

In: -41.490+/-147.232 χ^2/NDF:35.6/26

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

All: -148.798+/-105.668 χ^2/NDF: 96.8/55



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: 538.355+/-0.124 χ^2/NDF:287256.5/10

Left: 538.783+/-0.090 χ^2/NDF: 621198.5/21

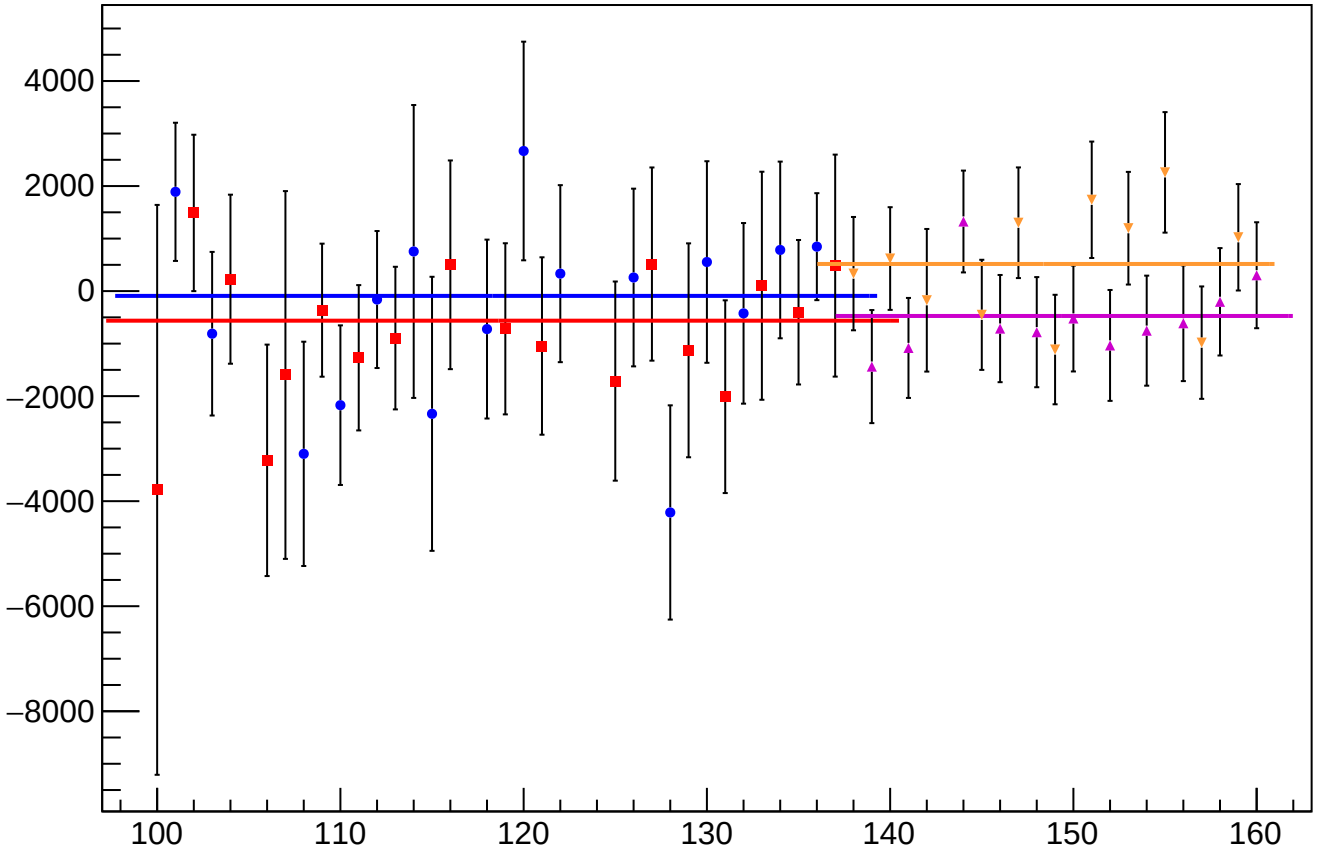
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 585.028+/-0.104 χ^2/NDF:1788638.7/26

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

All: 585.441+/-0.075 χ^2/NDF: 3822128.2/55

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: -473.537+/-309.299 χ^2/NDF:5.8/10

Left: -2.993+/-224.046 χ^2/NDF: 21.0/21

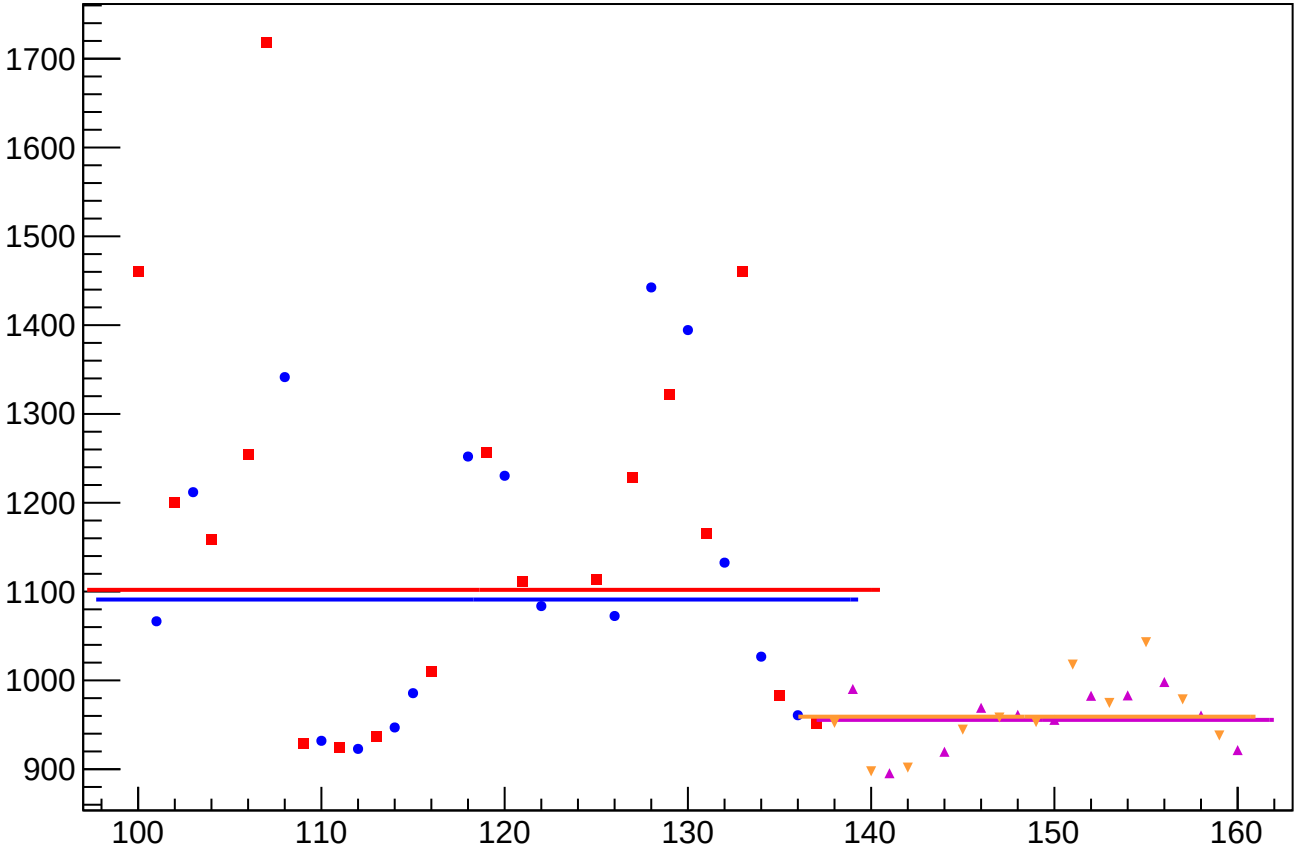
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -334.886+/-246.909 χ^2/NDF:20.9/26

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

All: -123.630+/-177.400 χ^2/NDF: 43.5/55

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: 955.539+/-0.219 χ^2/NDF:21229.1/10

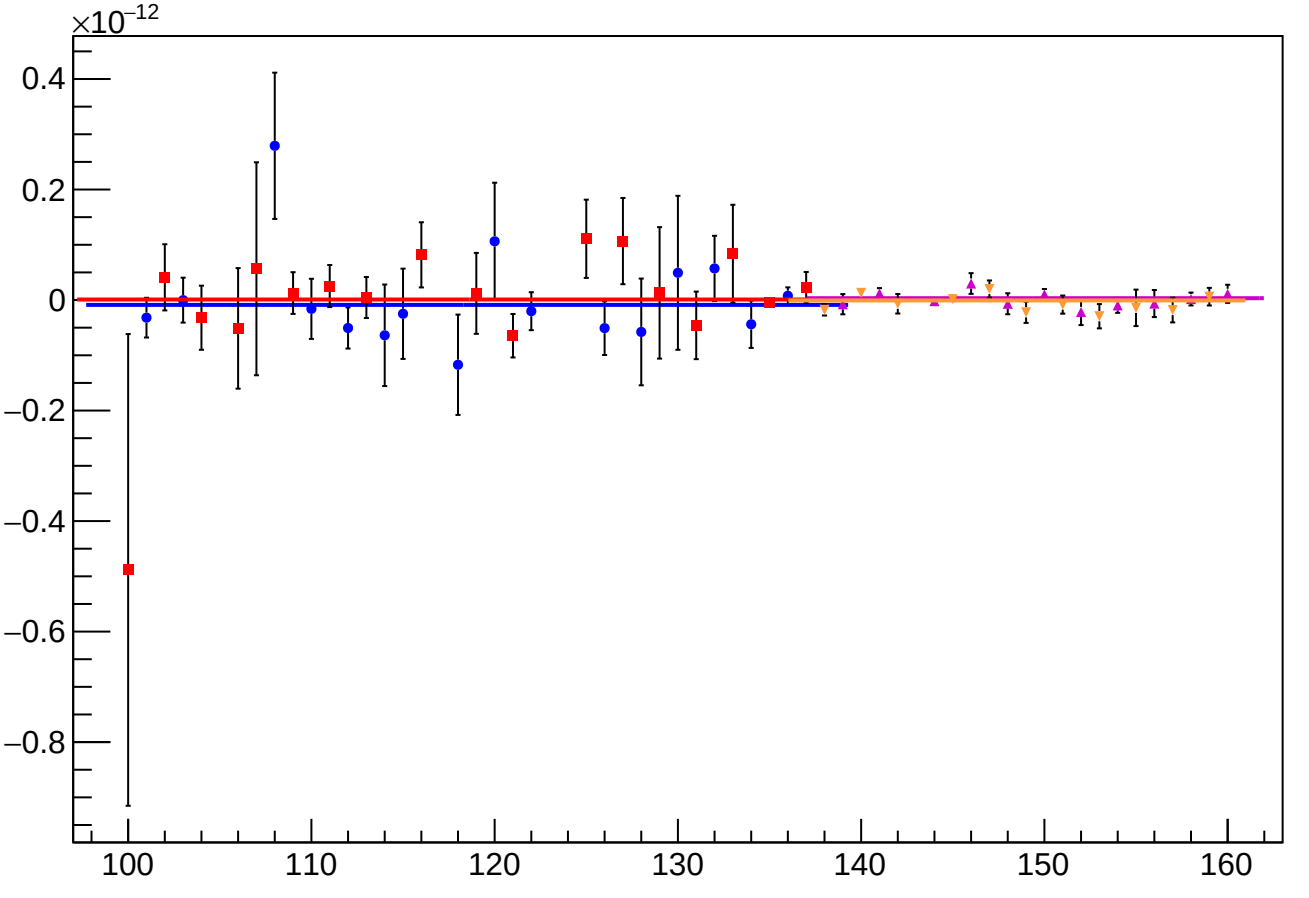
Left: 957.249+/-0.158 χ^2/NDF: 51607.4/21

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

In: 1004.691+/-0.175 χ^2/NDF:437773.2/26

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

All: 1009.188+/-0.125 χ^2/NDF: 945838.7/55



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:6.9/10

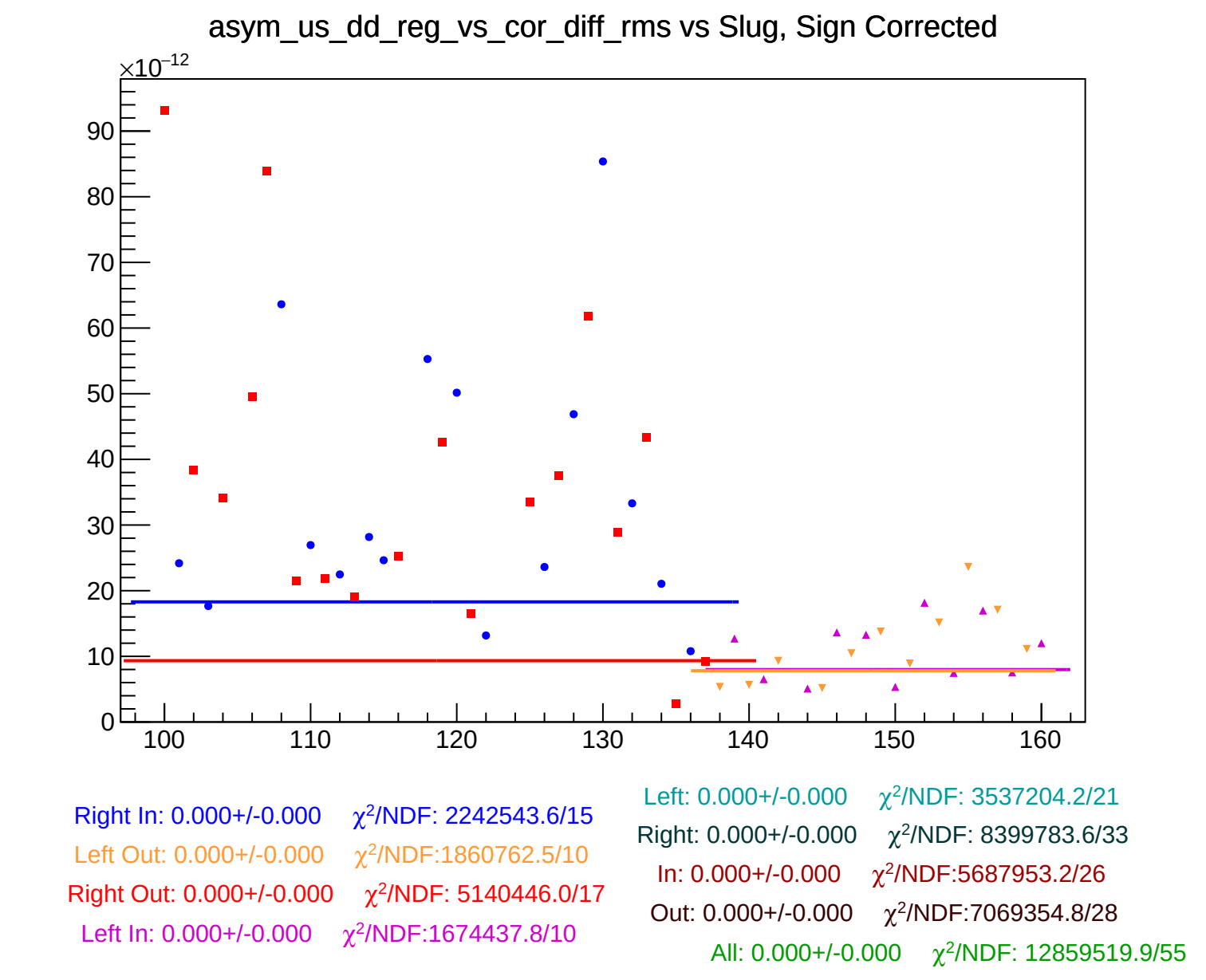
Left: 0.000+/-0.000 χ^2/NDF: 19.3/21

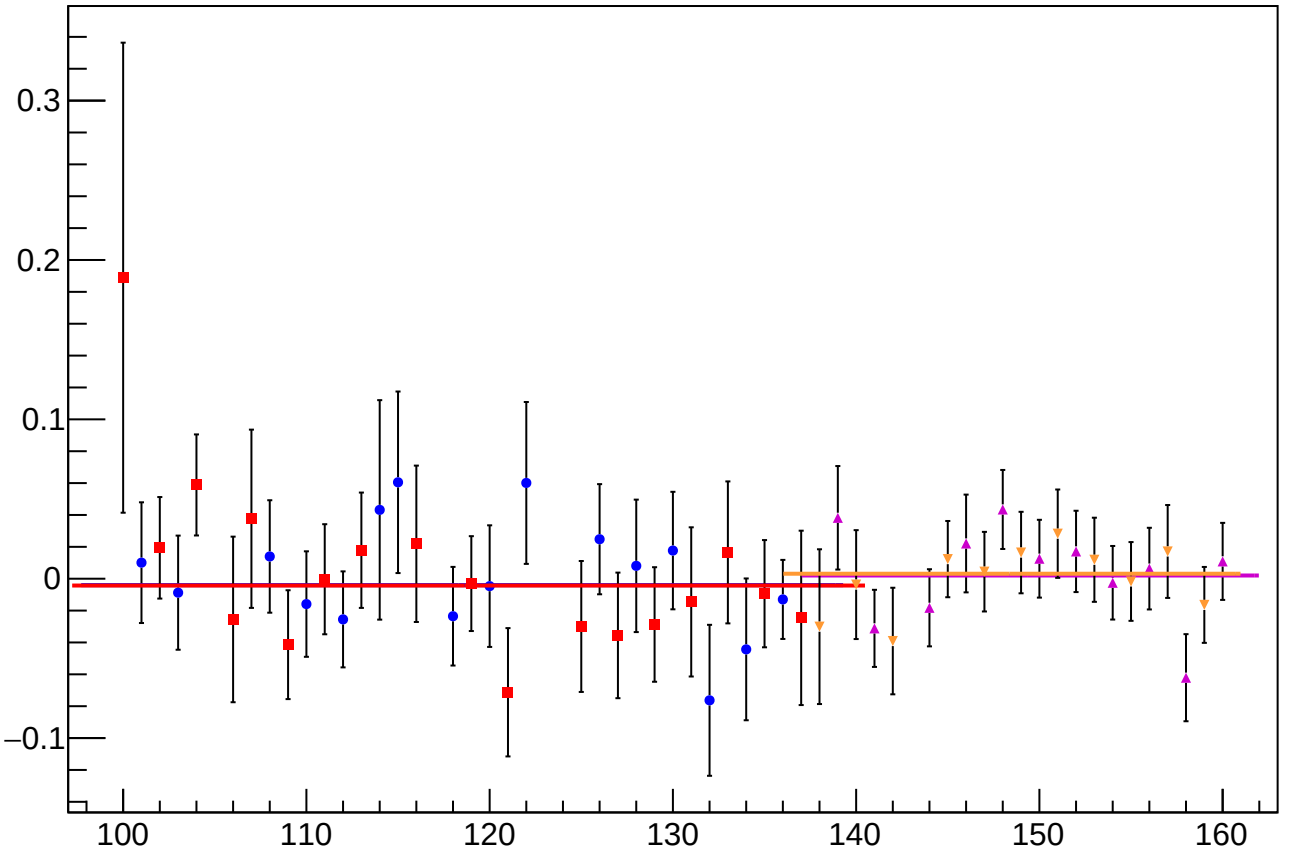
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:21.9/26

Out: -0.000+/-0.000 χ^2/NDF:26.3/28

All: 0.000+/-0.000 χ^2/NDF: 48.4/55


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
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:1674437.8/10
Left: 0.000+/-0.000 χ²/NDF: 3537204.2/21
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5687953.2/26
Out: 0.000+/-0.000 χ²/NDF:7069354.8/28
All: 0.000+/-0.000 χ²/NDF: 12859519.9/55



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: 0.002+/-0.008 χ^2/NDF:13.3/10

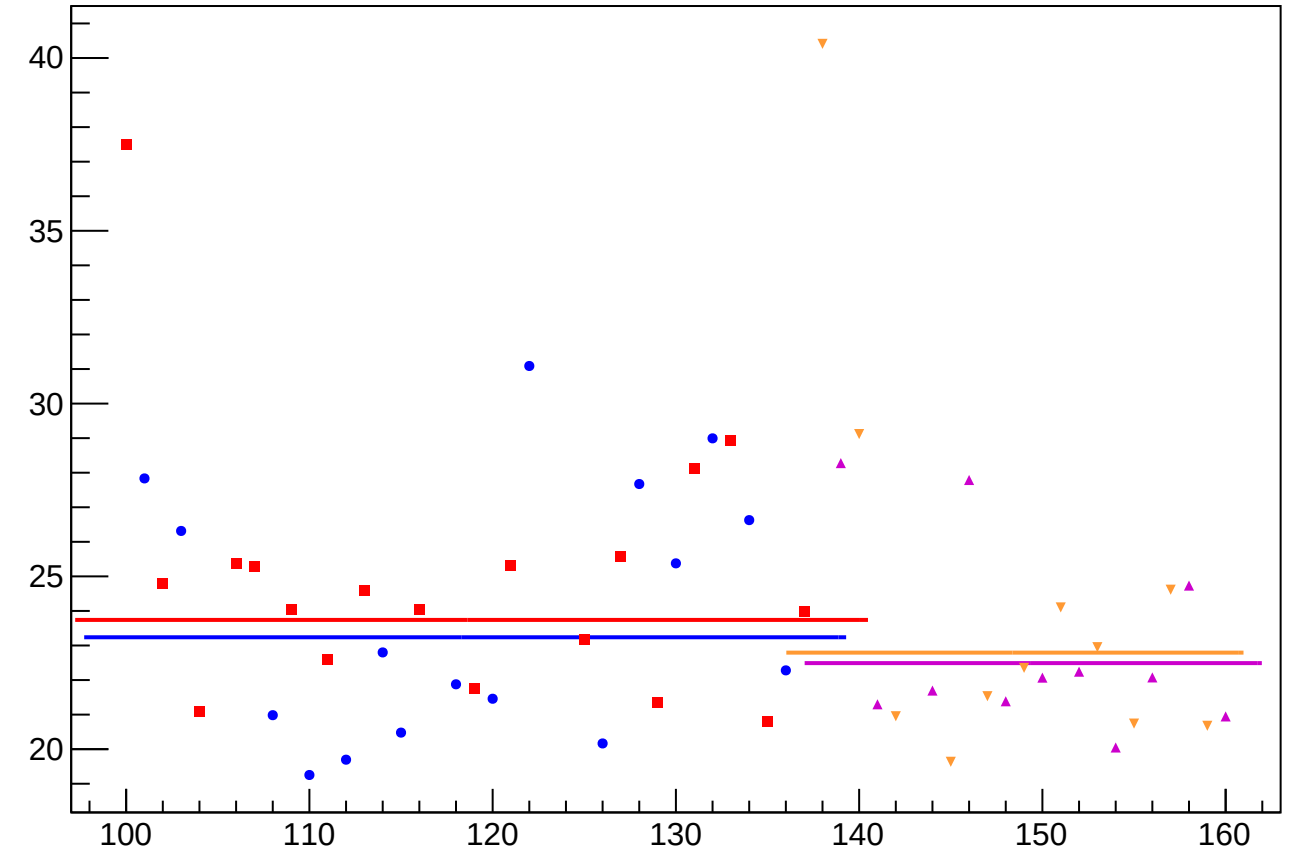
Left: 0.003+/-0.006 χ^2/NDF: 17.7/21

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

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.000+/-0.004 χ^2/NDF: 41.0/55



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: 22.490+/-0.005 χ^2/NDF:179468.2/10

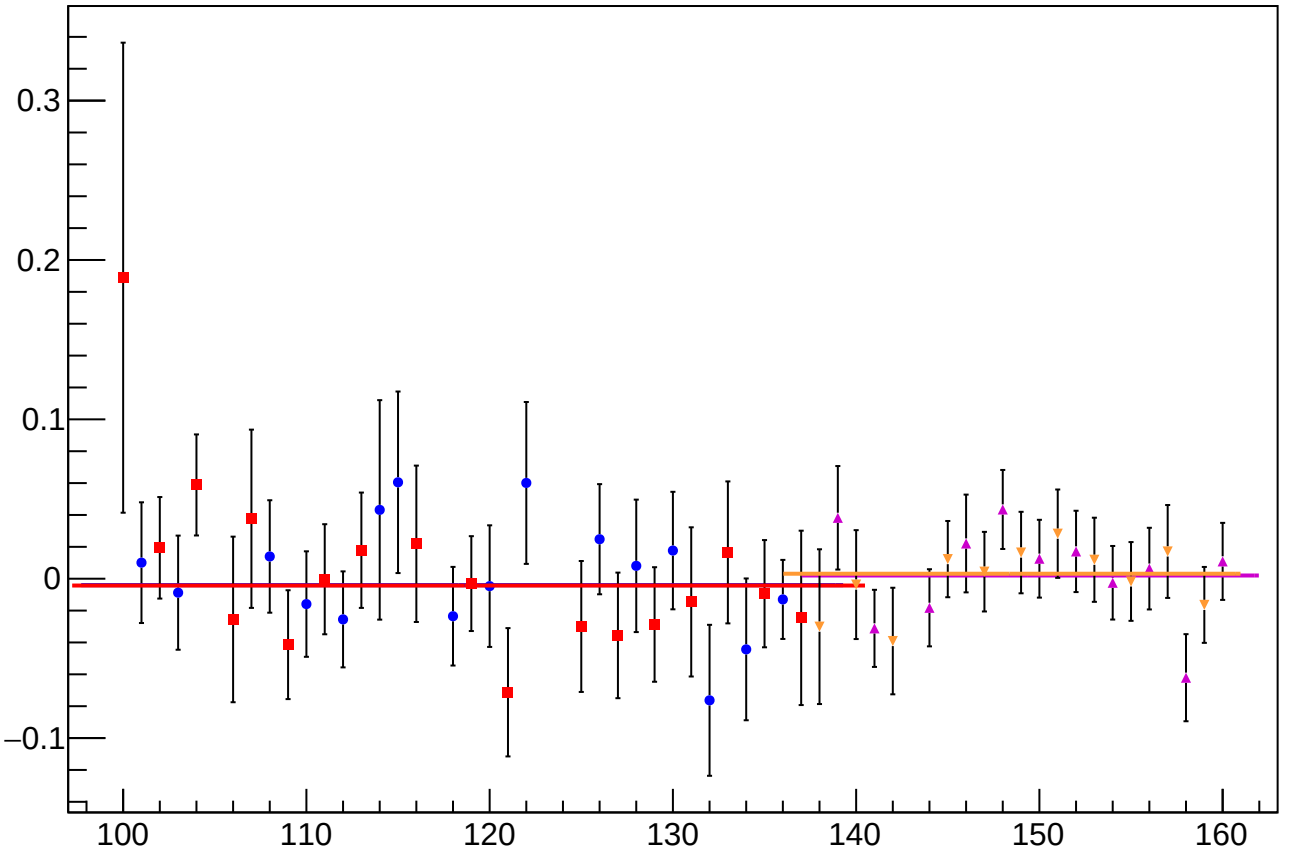
Left: 22.631+/-0.004 χ^2/NDF: 601172.6/21

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

In: 22.797+/-0.004 χ^2/NDF:446384.6/26

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

All: 22.997+/-0.003 χ^2/NDF: 1009030.3/55



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: 0.002+/-0.008 χ^2/NDF:13.3/10

Left: 0.003+/-0.006 χ^2/NDF: 17.7/21

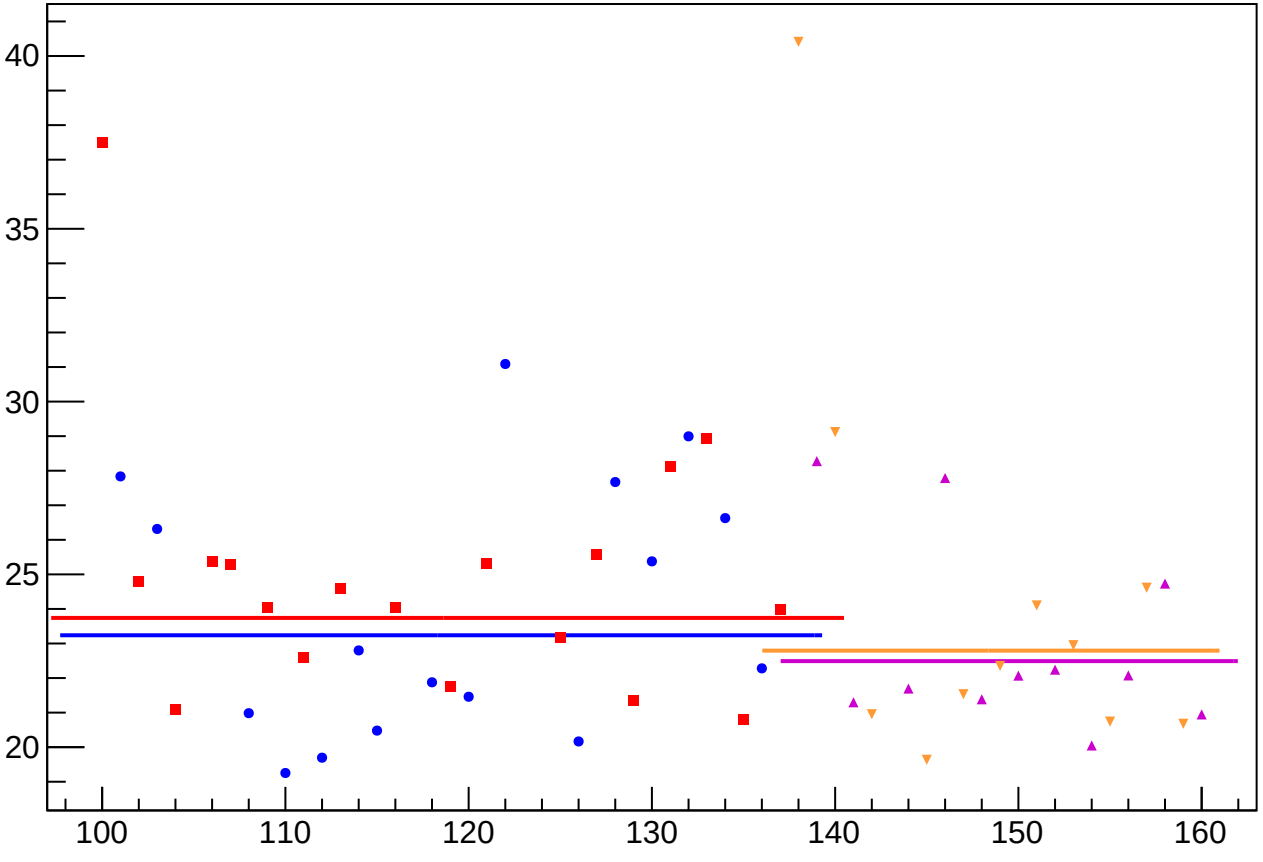
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.000+/-0.004 χ^2/NDF: 41.0/55

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 22.490+/-0.005 χ^2/NDF:179468.2/10

Left: 22.631+/-0.004 χ^2/NDF: 601172.6/21

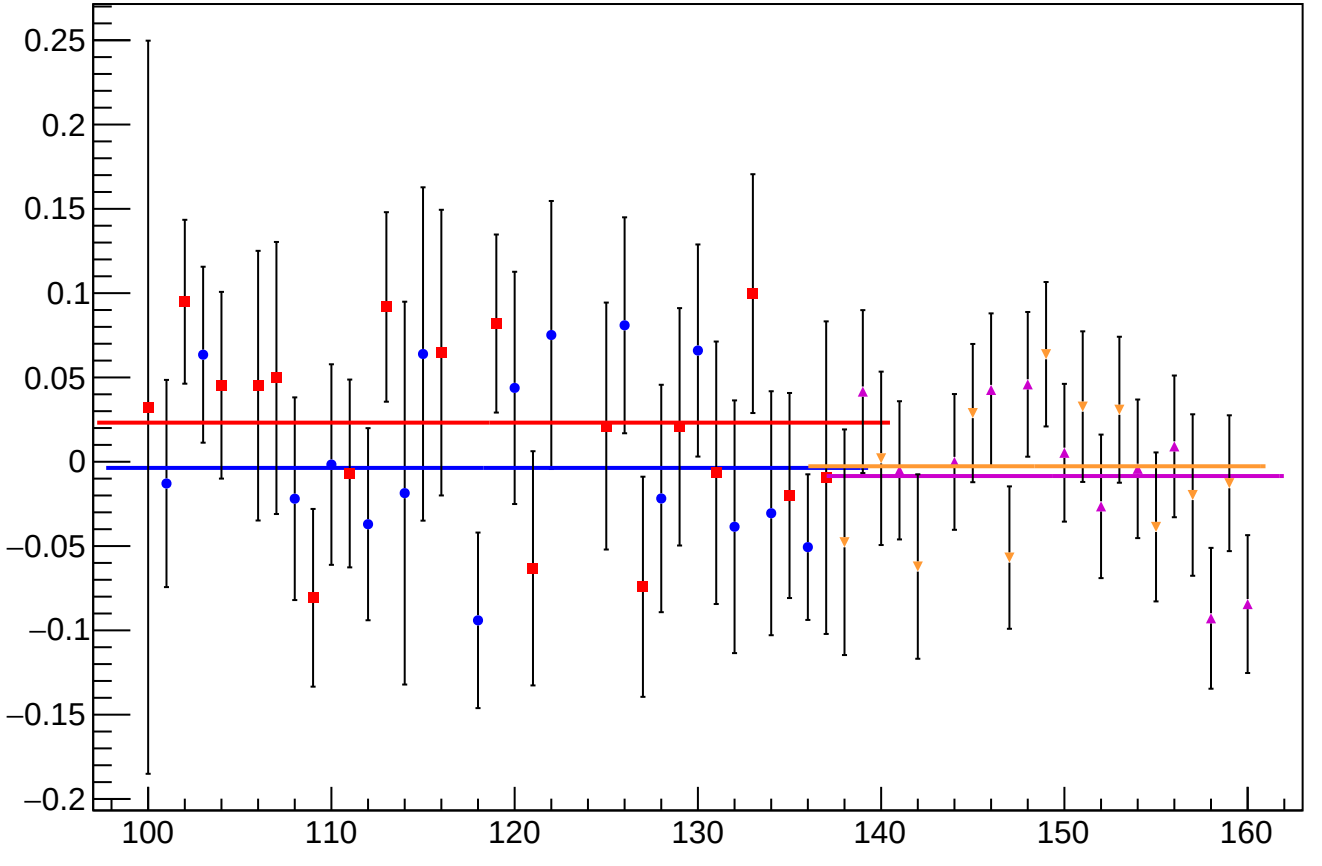
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 22.797+/-0.004 χ^2/NDF:446384.6/26

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

All: 22.997+/-0.003 χ^2/NDF: 1009030.3/55

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.008+/-0.013 χ^2/NDF:12.0/10

Left: -0.006+/-0.009 χ^2/NDF: 20.5/21

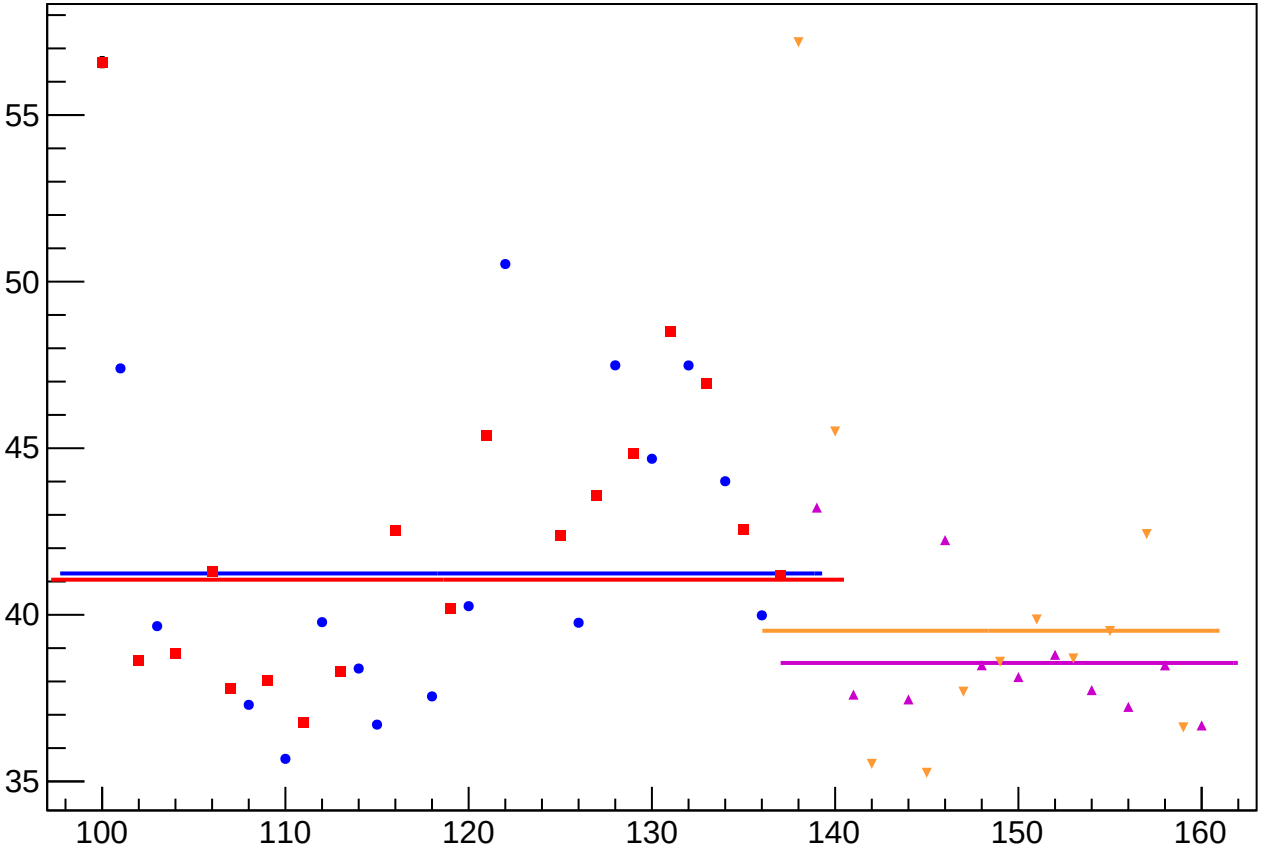
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.007+/-0.010 χ^2/NDF:23.7/26

Out: 0.009+/-0.010 χ^2/NDF:25.3/28

All: 0.001+/-0.007 χ^2/NDF: 50.2/55

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 38.556+/-0.009 χ^2/NDF:41625.6/10

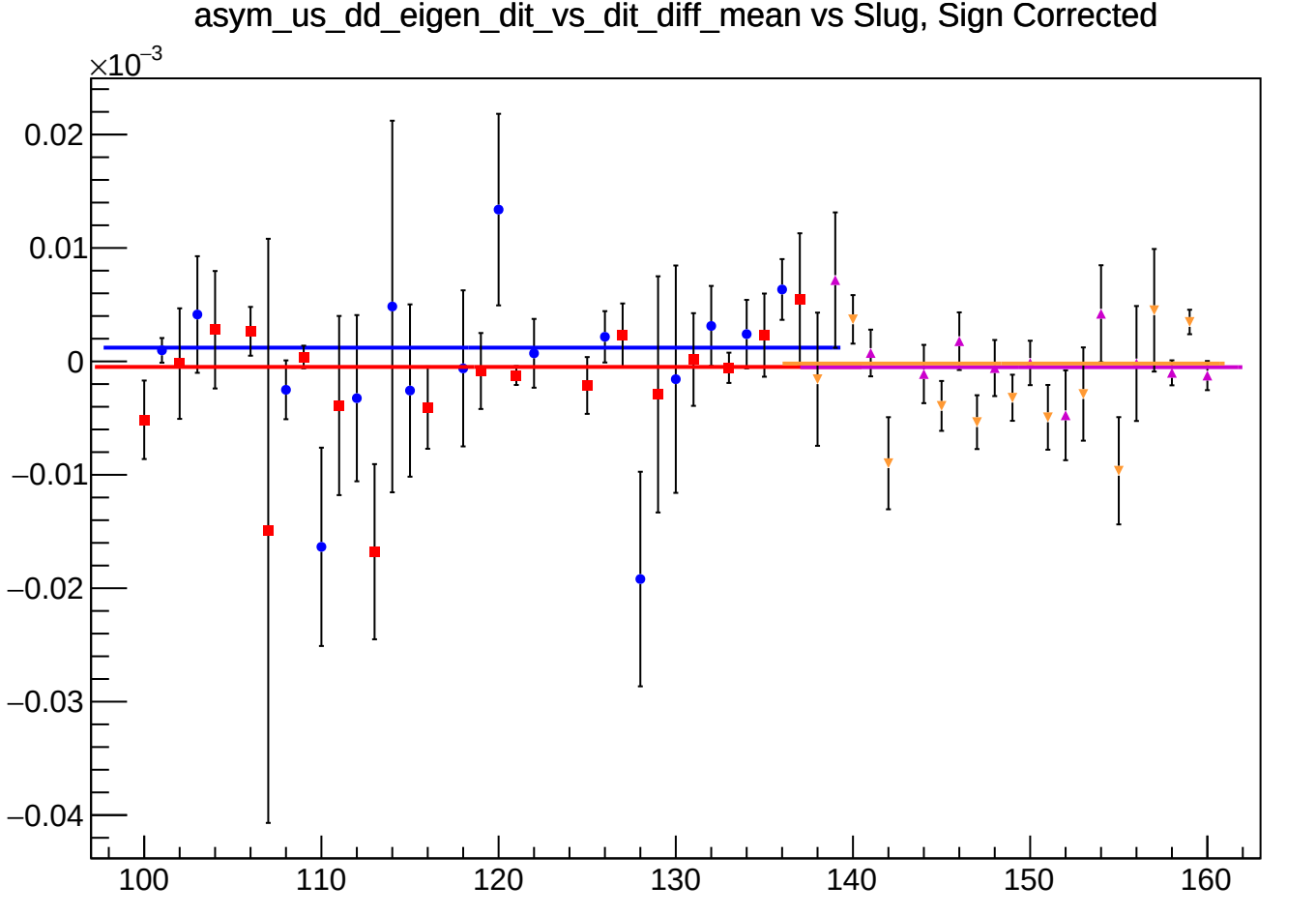
Left: 39.000+/-0.007 χ^2/NDF: 268909.8/21

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

In: 39.621+/-0.007 χ^2/NDF:212080.3/26

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

All: 39.899+/-0.005 χ^2/NDF: 544826.7/55



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:5.8/10

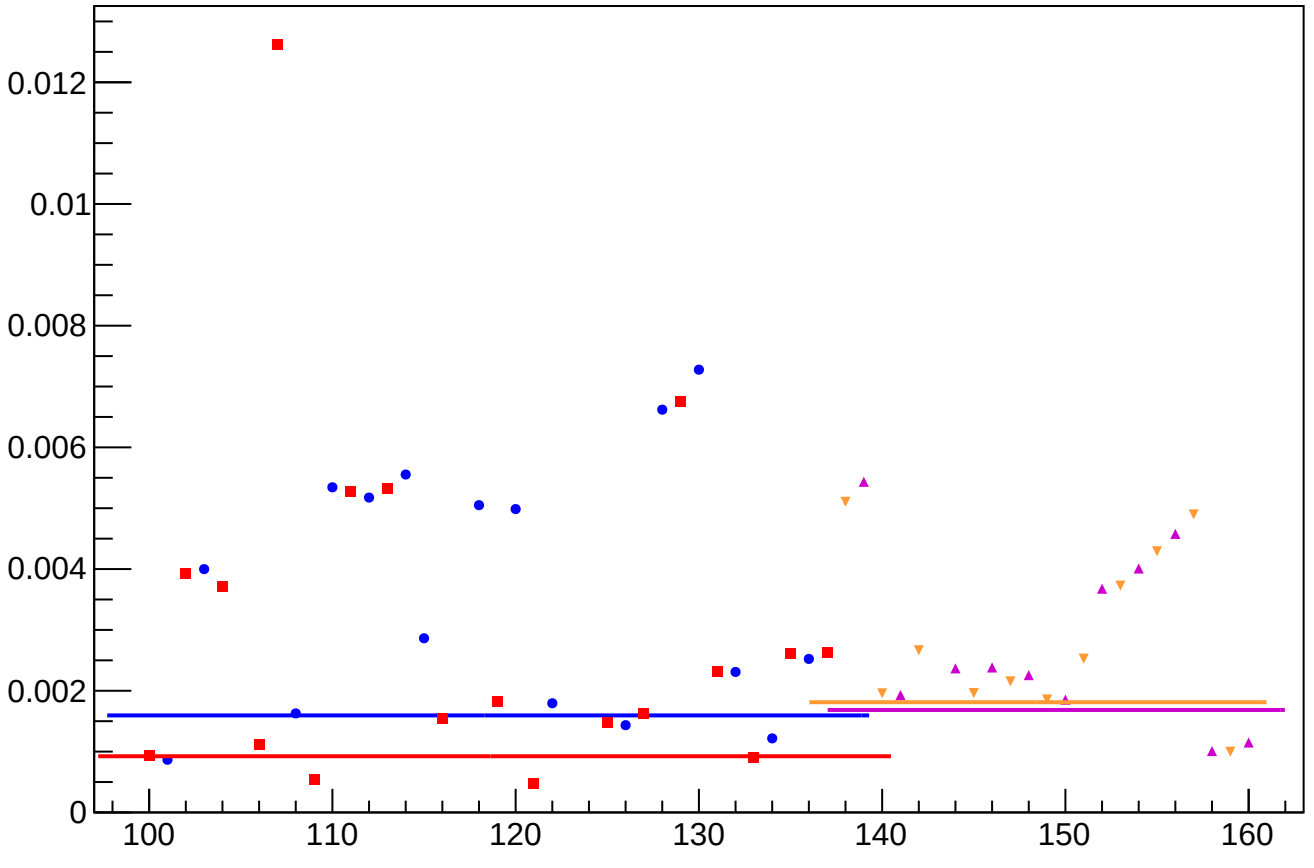
Left: -0.000+/-0.000 χ^2/NDF: 43.3/21

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:27.3/26

Out: -0.000+/-0.000 χ^2/NDF:52.5/28

All: -0.000+/-0.000 χ^2/NDF: 80.6/55



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:4080219.6/10

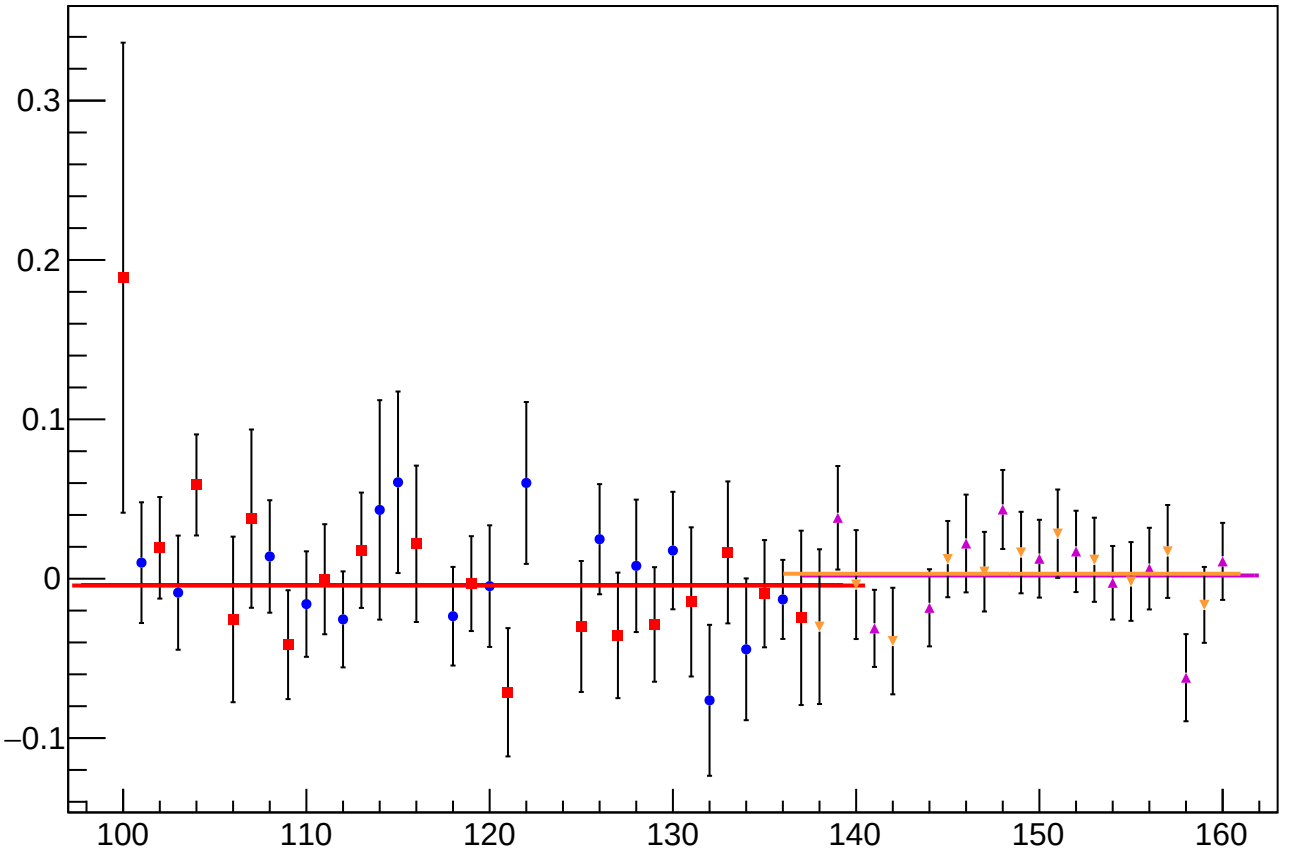
Left: 0.002+/-0.000 χ^2/NDF: 7799009.0/21

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

In: 0.002+/-0.000 χ^2/NDF:8859073.5/26

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

All: 0.001+/-0.000 χ^2/NDF: 21390115.4/55



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: 0.002+/-0.008 χ^2/NDF:13.3/10

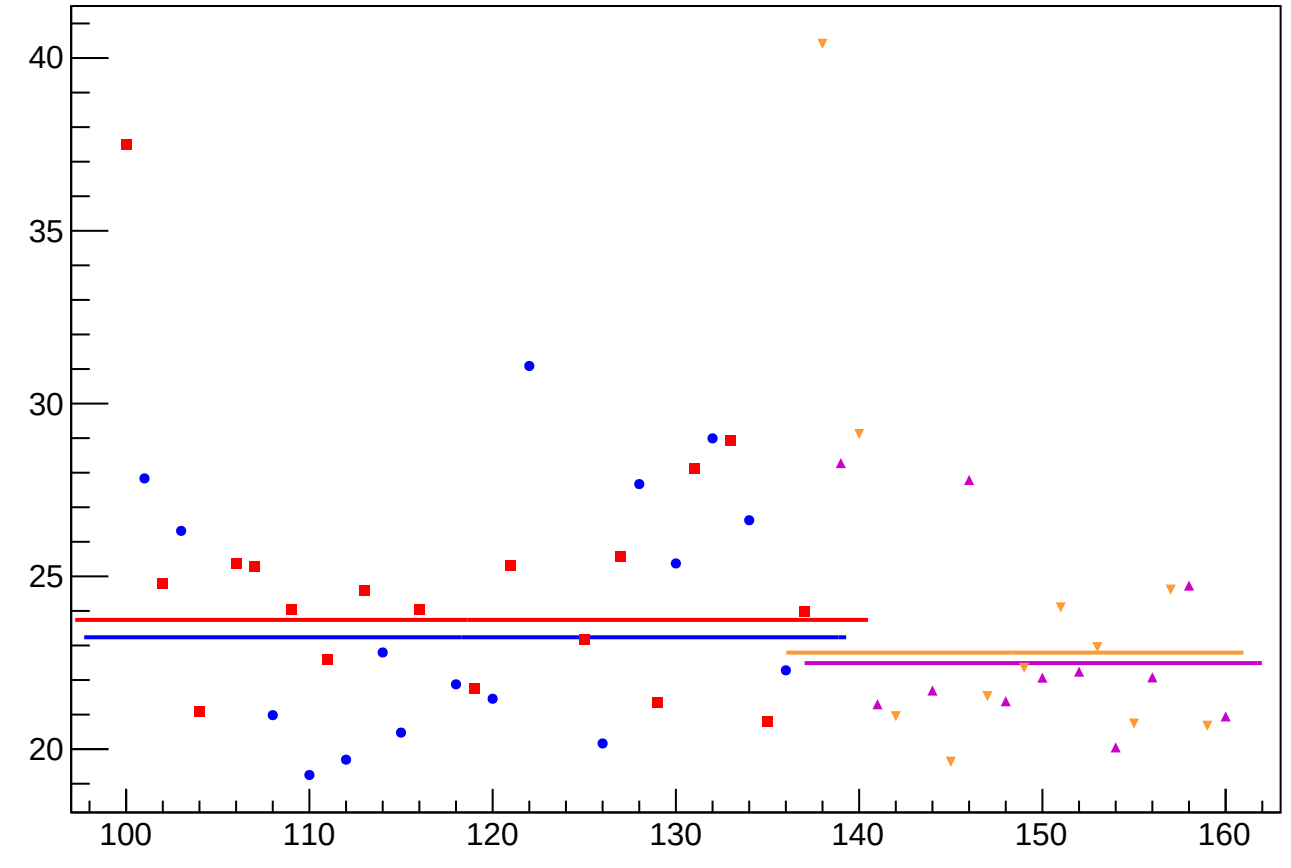
Left: 0.003+/-0.006 χ^2/NDF: 17.7/21

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

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.000+/-0.004 χ^2/NDF: 41.0/55



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: 22.491+/-0.005 χ^2/NDF:179442.4/10

Left: 22.631+/-0.004 χ^2/NDF: 601164.1/21

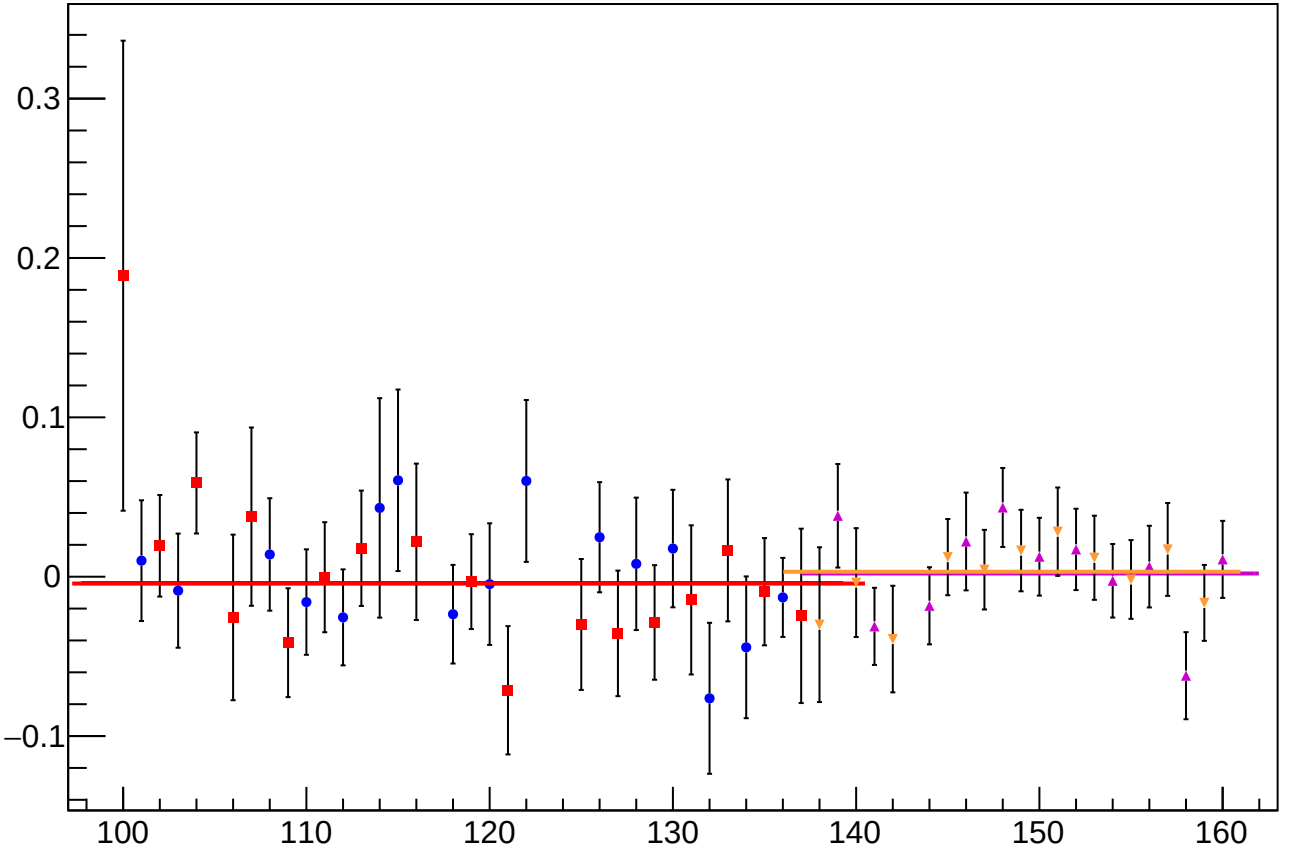
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 22.797+/-0.004 χ^2/NDF:446327.2/26

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

All: 22.997+/-0.003 χ^2/NDF: 1008948.7/55

asym_us_dd_eigen_dit_vs_eigen_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: 0.002+/-0.008 χ^2/NDF:13.3/10

Left: 0.003+/-0.006 χ^2/NDF: 17.7/21

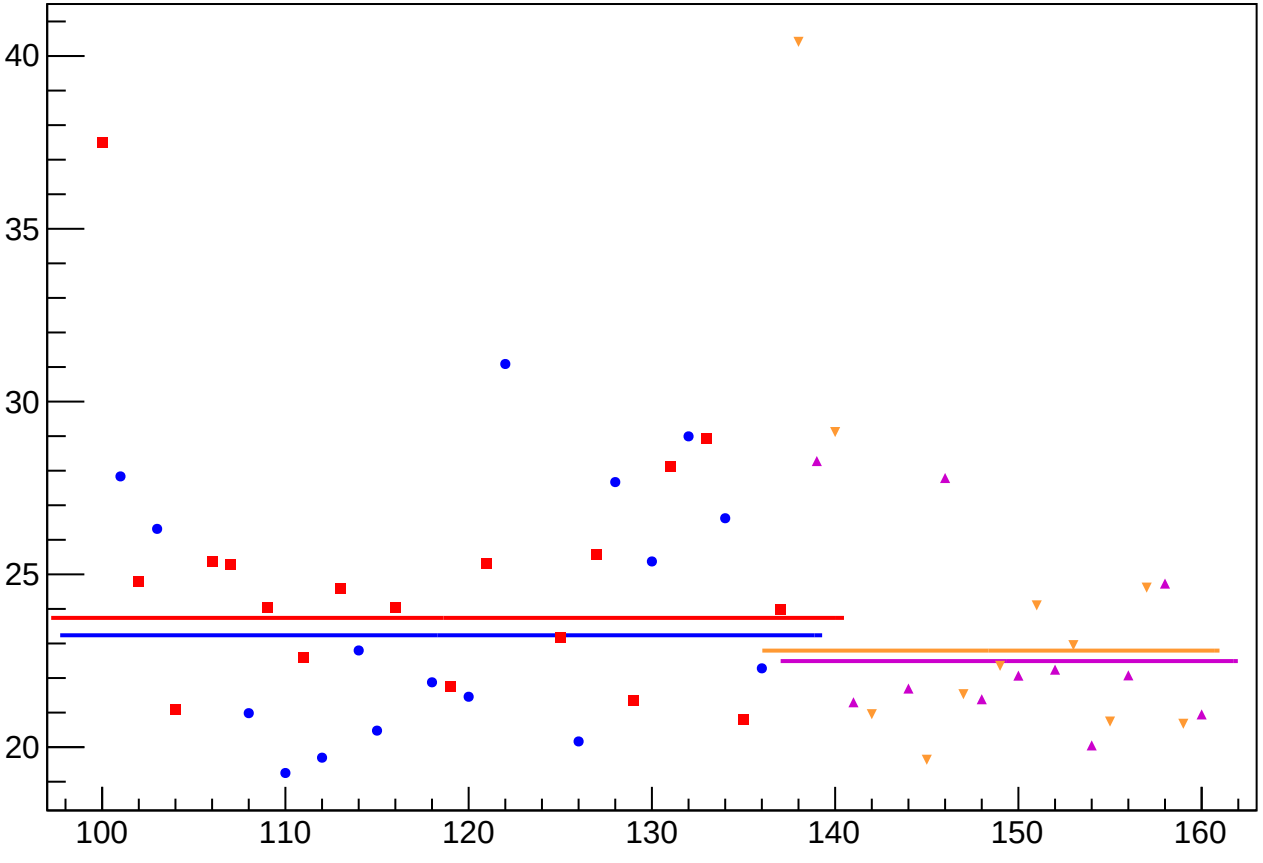
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: -0.000+/-0.006 χ^2/NDF:18.2/28

All: -0.000+/-0.004 χ^2/NDF: 41.0/55

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: 22.491+/-0.005 χ^2/NDF:179442.4/10

Left: 22.631+/-0.004 χ^2/NDF: 601164.1/21

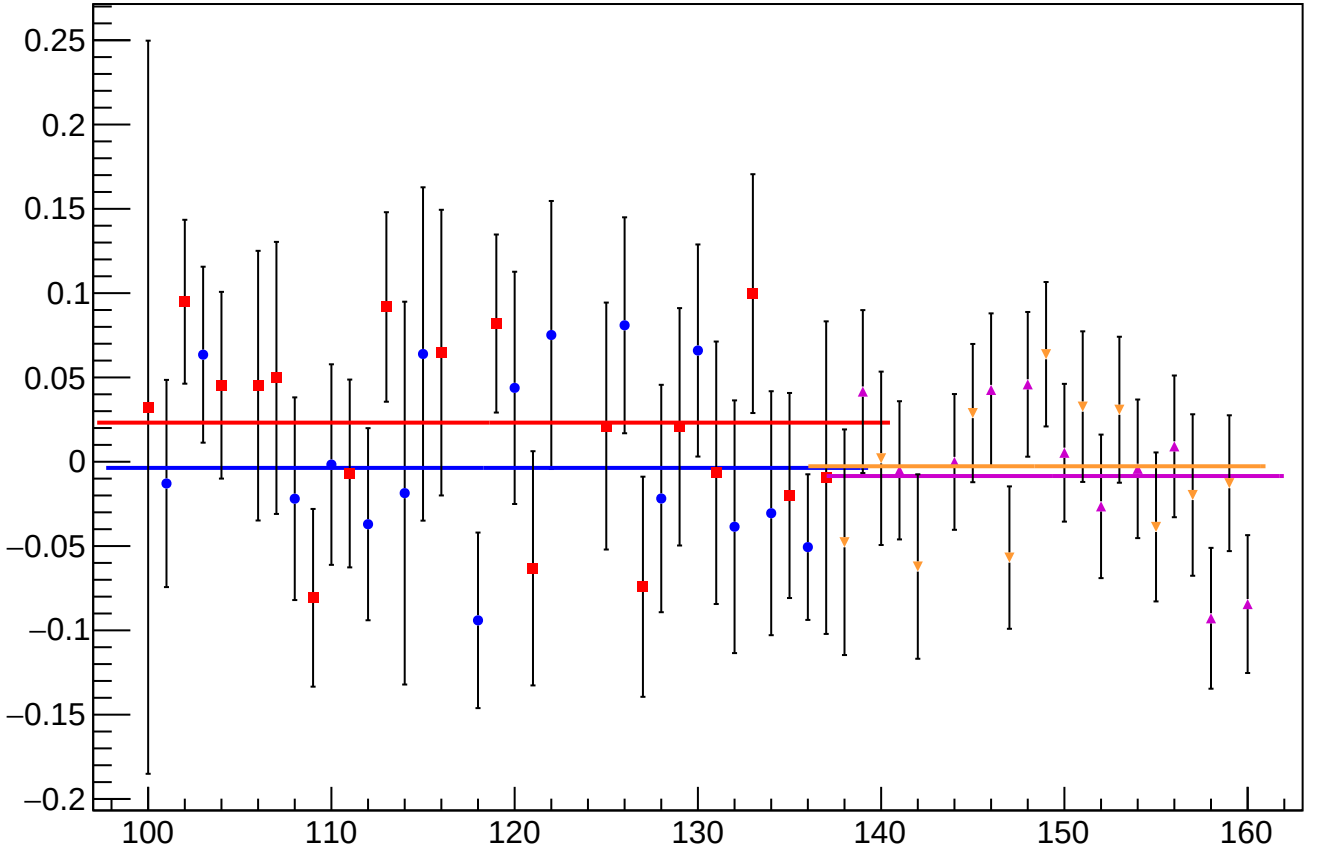
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 22.797+/-0.004 χ^2/NDF:446327.2/26

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

All: 22.997+/-0.003 χ^2/NDF: 1008948.7/55

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: -0.008+/-0.013 χ^2/NDF:12.0/10

Left: -0.006+/-0.009 χ^2/NDF: 20.5/21

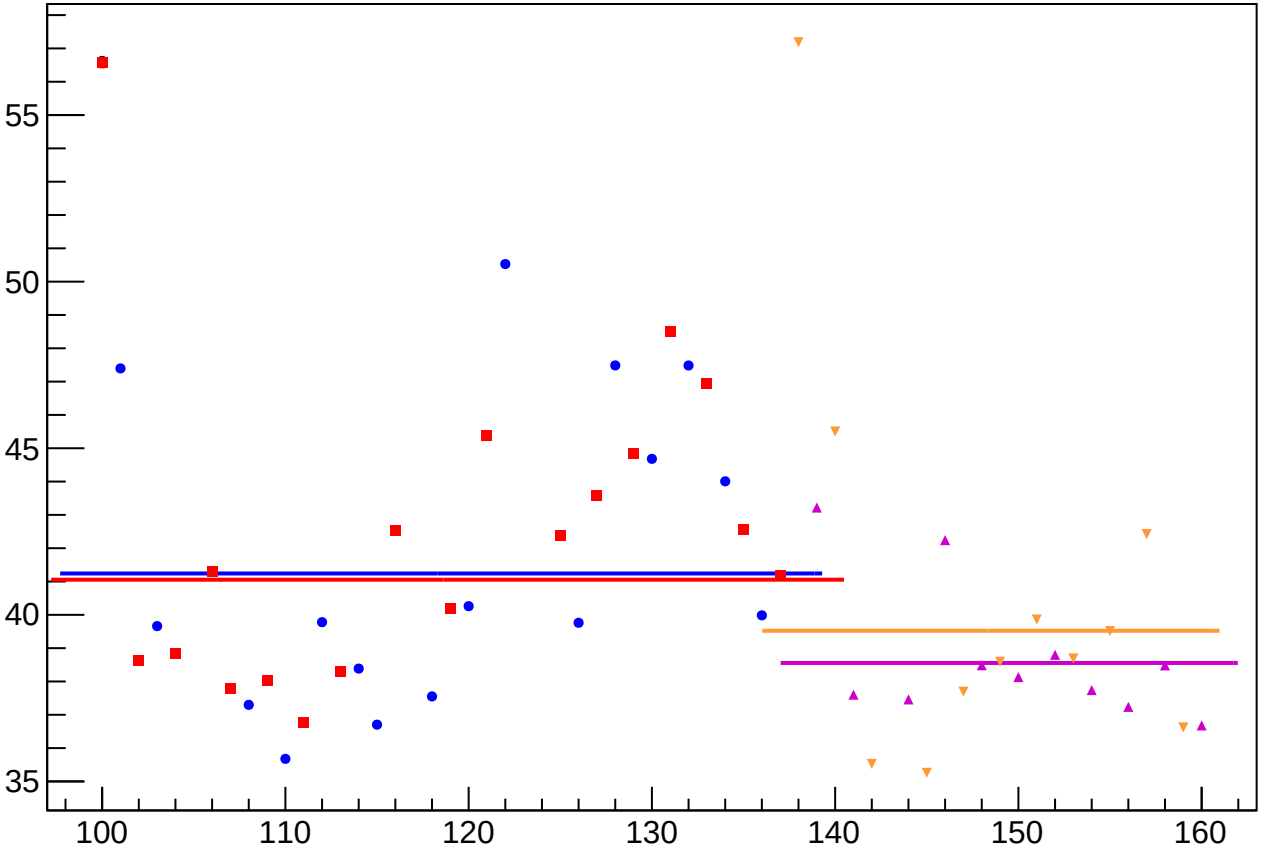
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.007+/-0.010 χ^2/NDF:23.7/26

Out: 0.009+/-0.010 χ^2/NDF:25.3/28

All: 0.001+/-0.007 χ^2/NDF: 50.2/55

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: 38.556+/-0.009 χ^2/NDF:41628.9/10

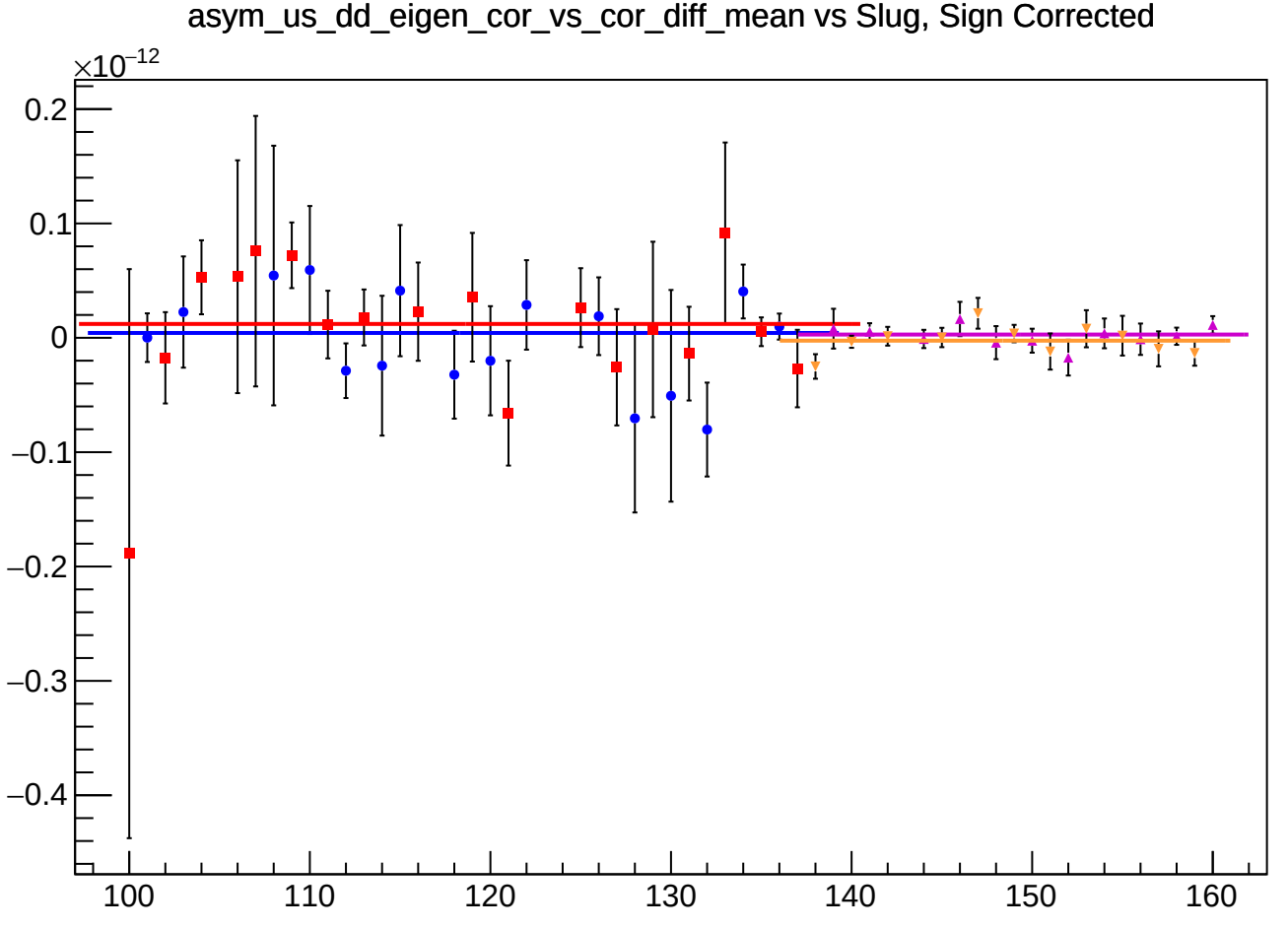
Left: 39.000+/-0.007 χ^2/NDF: 268917.0/21

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

In: 39.621+/-0.007 χ^2/NDF:212052.0/26

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

All: 39.899+/-0.005 χ^2/NDF: 544790.3/55



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:4.8/10

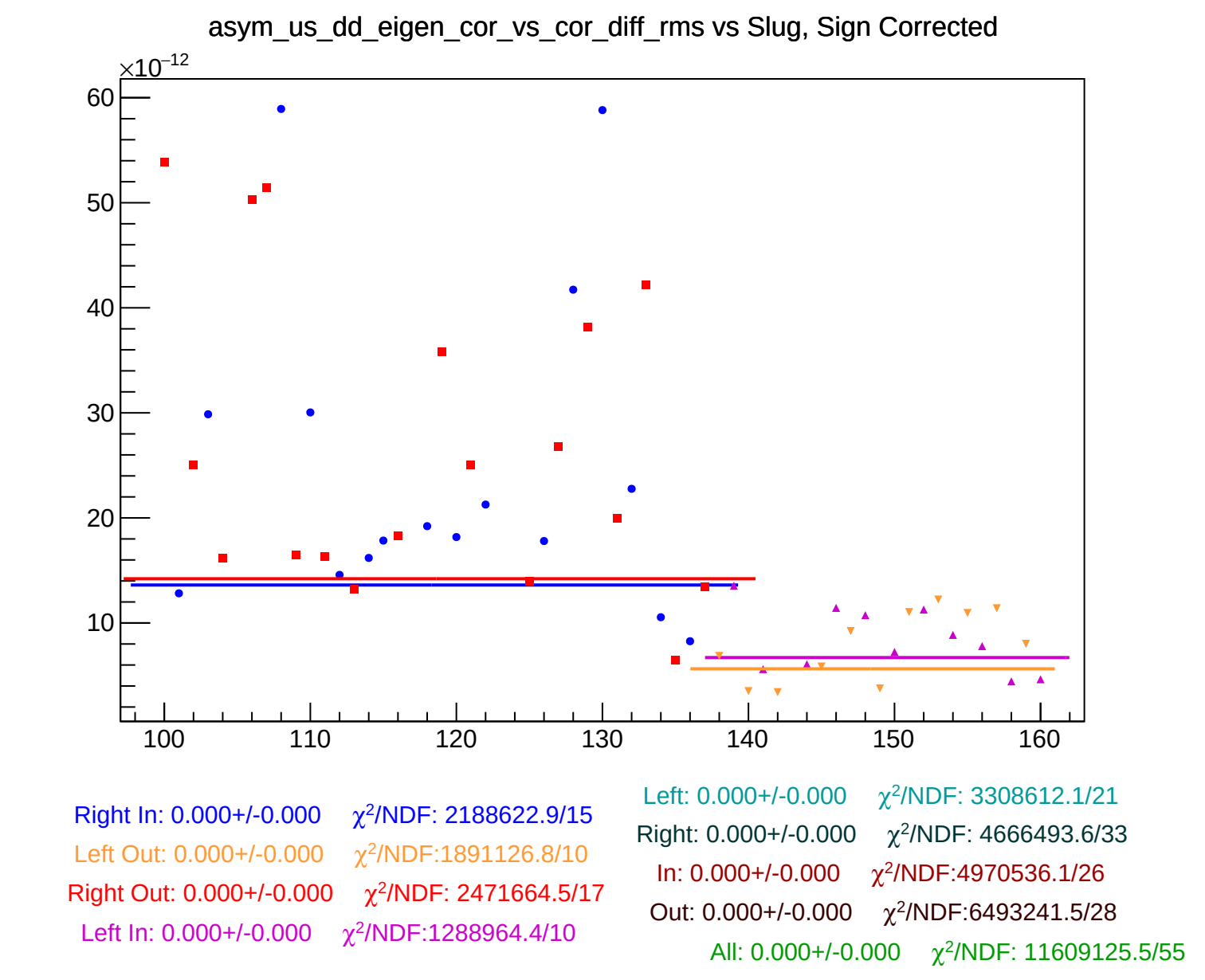
Left: 0.000+/-0.000 χ^2/NDF: 17.0/21

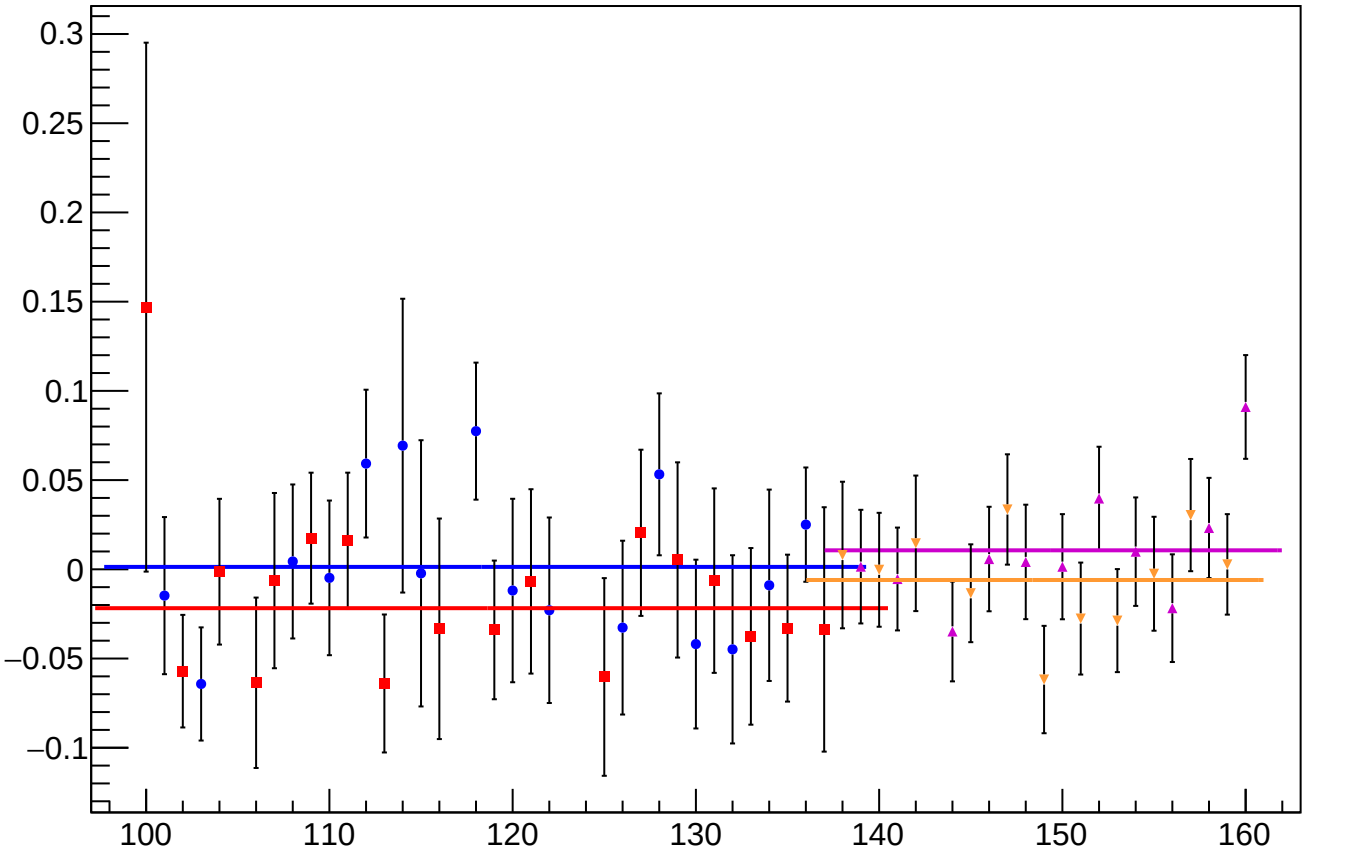
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:18.4/26

Out: -0.000+/-0.000 χ^2/NDF:28.3/28

All: 0.000+/-0.000 χ^2/NDF: 47.6/55


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:1288964.4/10
Left: 0.000+/-0.000 χ²/NDF: 3308612.1/21
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:4970536.1/26
Out: 0.000+/-0.000 χ²/NDF:6493241.5/28
All: 0.000+/-0.000 χ²/NDF: 11609125.5/55



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: 0.011+/-0.009 χ^2/NDF:13.2/10

Left: 0.003+/-0.006 χ^2/NDF: 23.0/21

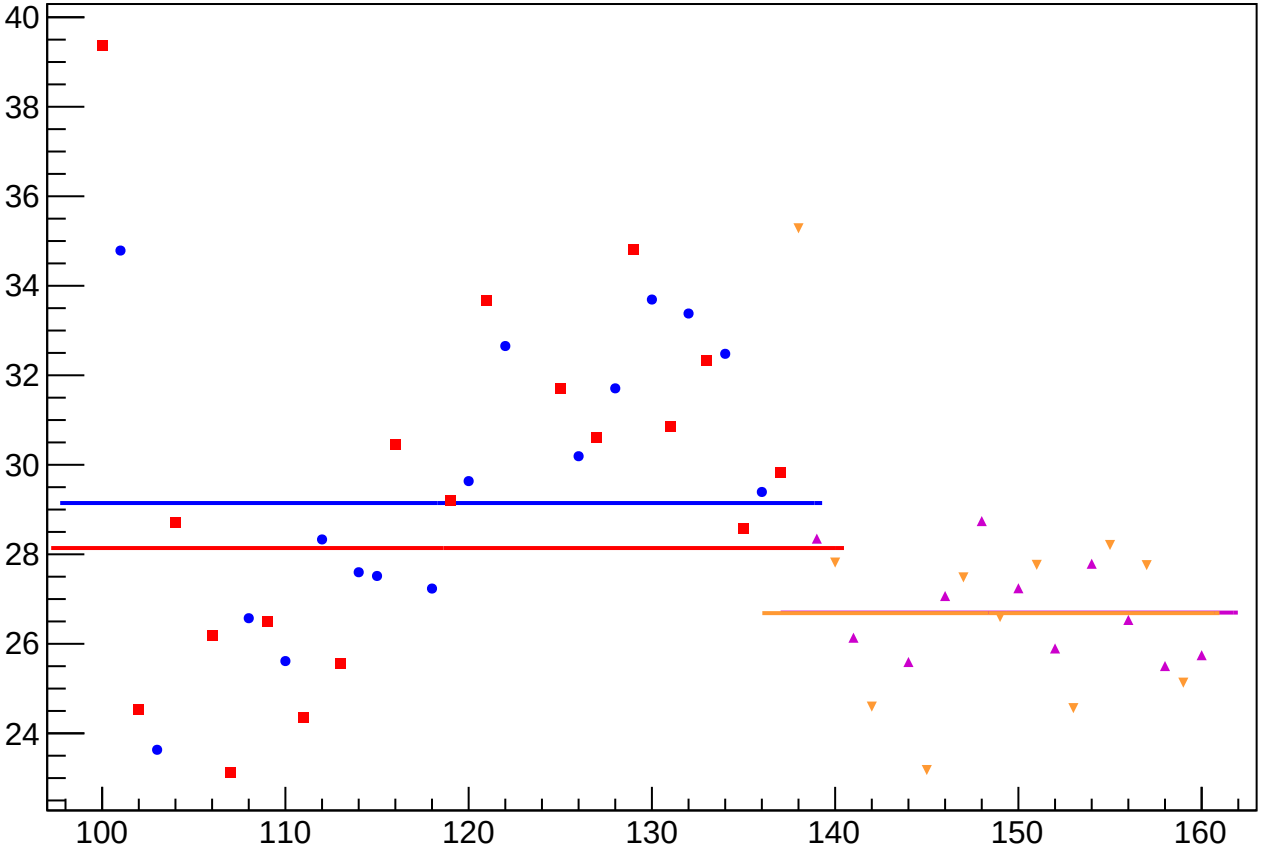
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.007+/-0.007 χ^2/NDF:28.9/26

Out: -0.013+/-0.007 χ^2/NDF:18.4/28

All: -0.003+/-0.005 χ^2/NDF: 51.3/55

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: 26.698+/-0.006 χ^2/NDF:28314.8/10

Left: 26.692+/-0.005 χ^2/NDF: 184730.0/21

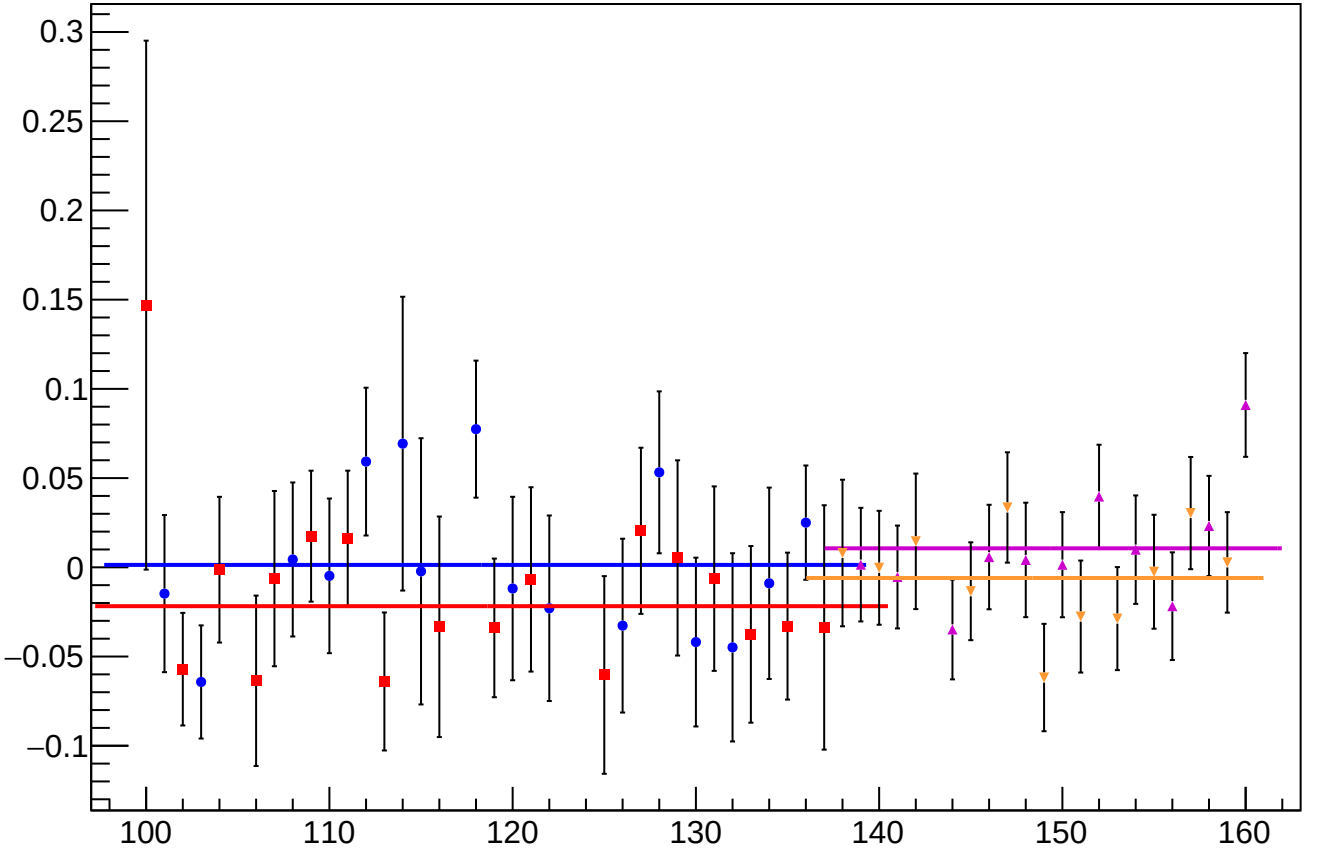
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.646+/-0.005 χ^2/NDF:263600.7/26

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

All: 27.484+/-0.004 χ^2/NDF: 629903.0/55

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: 0.011+/-0.009 χ^2/NDF:13.2/10

Left: 0.003+/-0.006 χ^2/NDF: 23.0/21

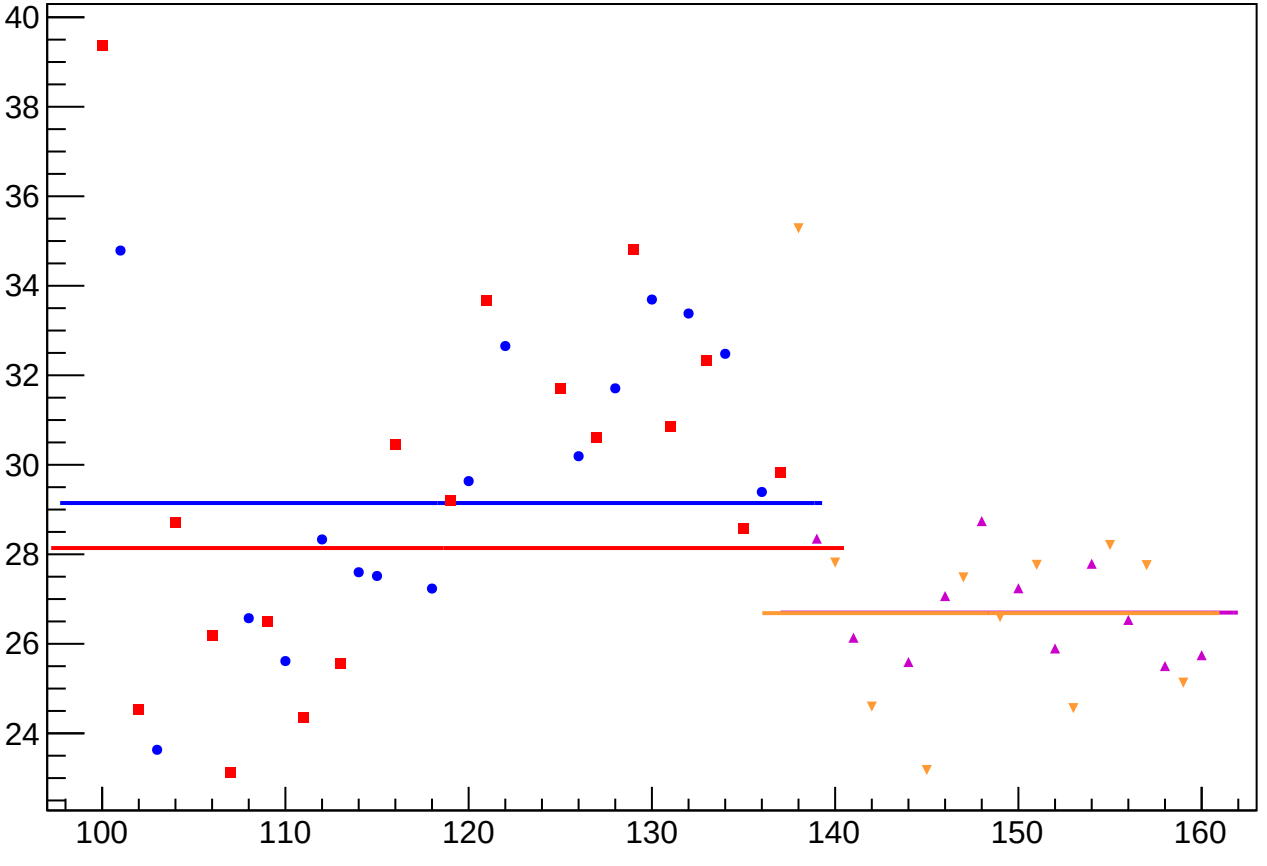
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.007+/-0.007 χ^2/NDF:28.9/26

Out: -0.013+/-0.007 χ^2/NDF:18.4/28

All: -0.003+/-0.005 χ^2/NDF: 51.3/55

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: 26.698+/-0.006 χ^2/NDF:28314.8/10

Left: 26.692+/-0.005 χ^2/NDF: 184730.0/21

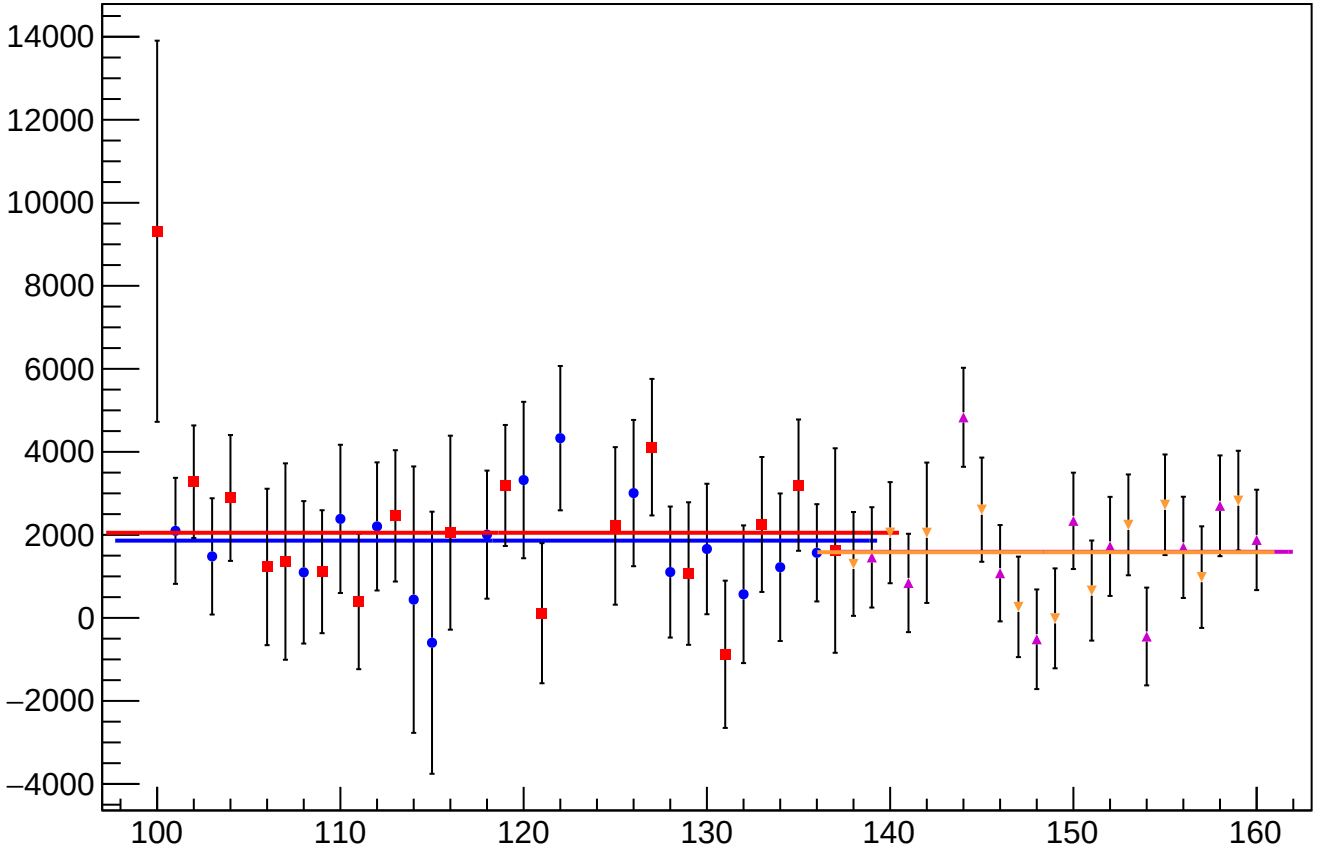
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.646+/-0.005 χ^2/NDF:263600.7/26

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

All: 27.484+/-0.004 χ^2/NDF: 629903.0/55

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: 1592.327+/-359.533 χ^2/NDF:15.4/10

Left: 1587.700+/-259.830 χ^2/NDF: 22.3/21

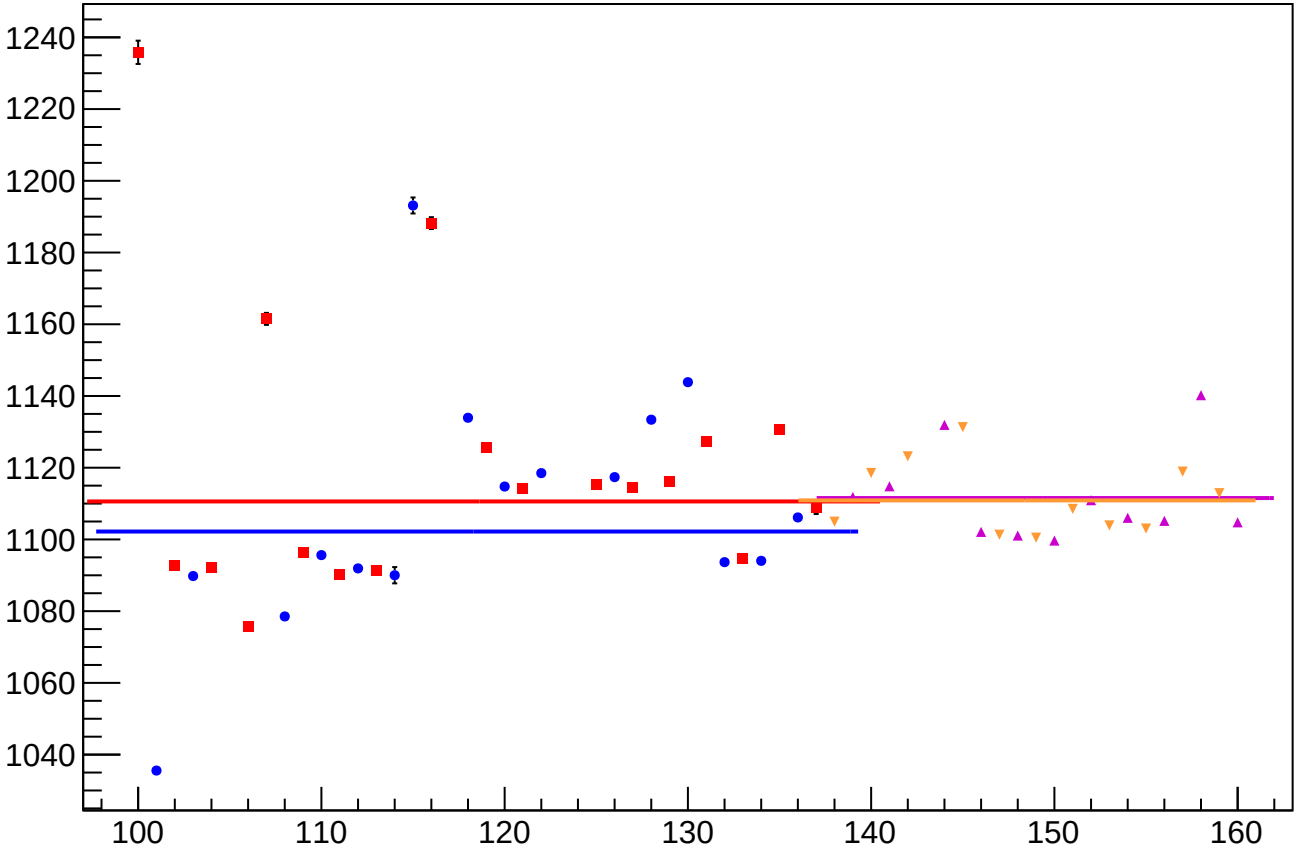
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1709.501+/-270.183 χ^2/NDF:21.0/26

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

All: 1752.138+/-193.363 χ^2/NDF: 41.2/55

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: 1111.540+/-0.254 χ^2/NDF:2371.2/10

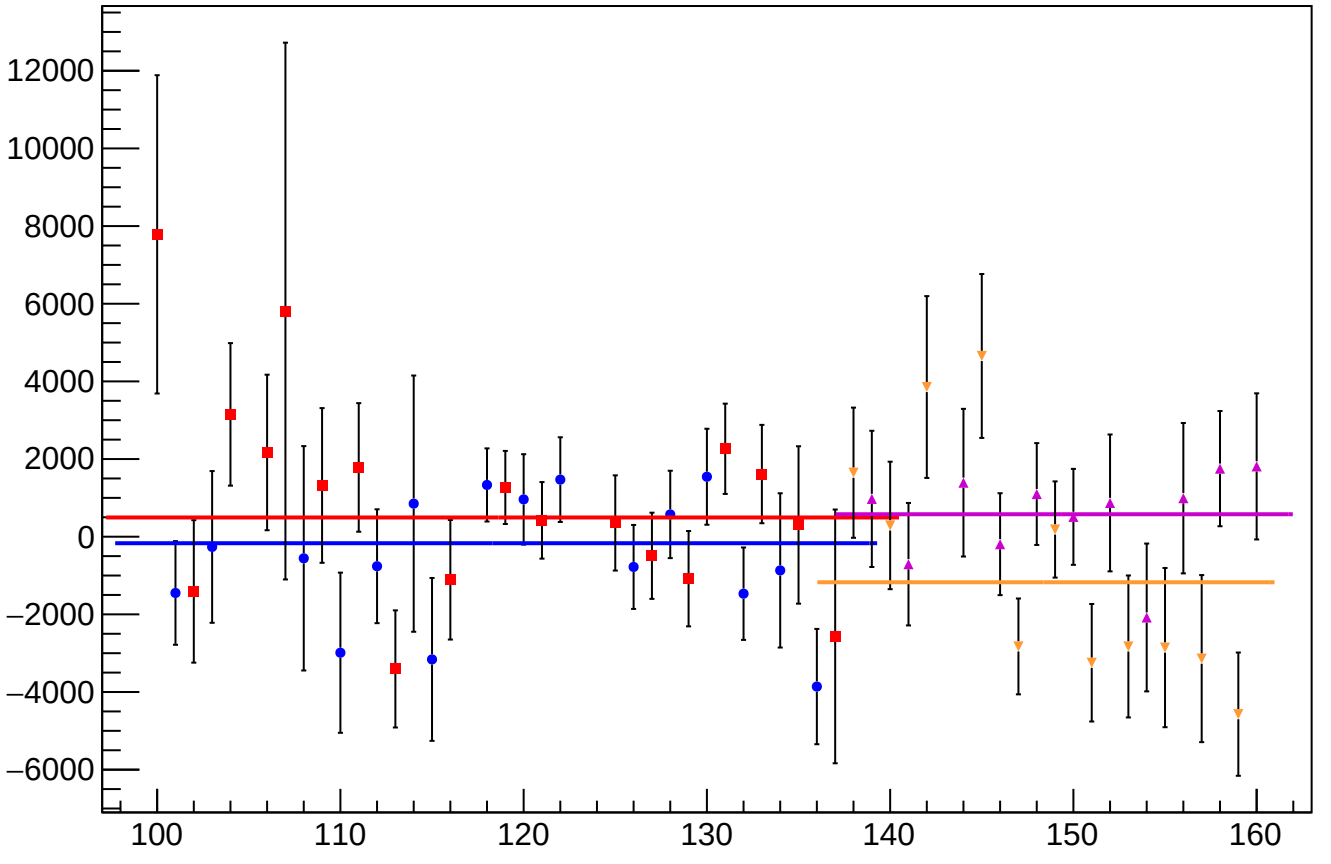
Left: 1111.228+/-0.184 χ^2/NDF: 3656.9/21

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

In: 1107.477+/-0.191 χ^2/NDF:14307.0/26

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

All: 1109.074+/-0.137 χ^2/NDF: 23429.4/55



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: 578.243+/-475.574 χ^2/NDF:4.5/10

Left: -256.671+/-344.025 χ^2/NDF: 38.6/21

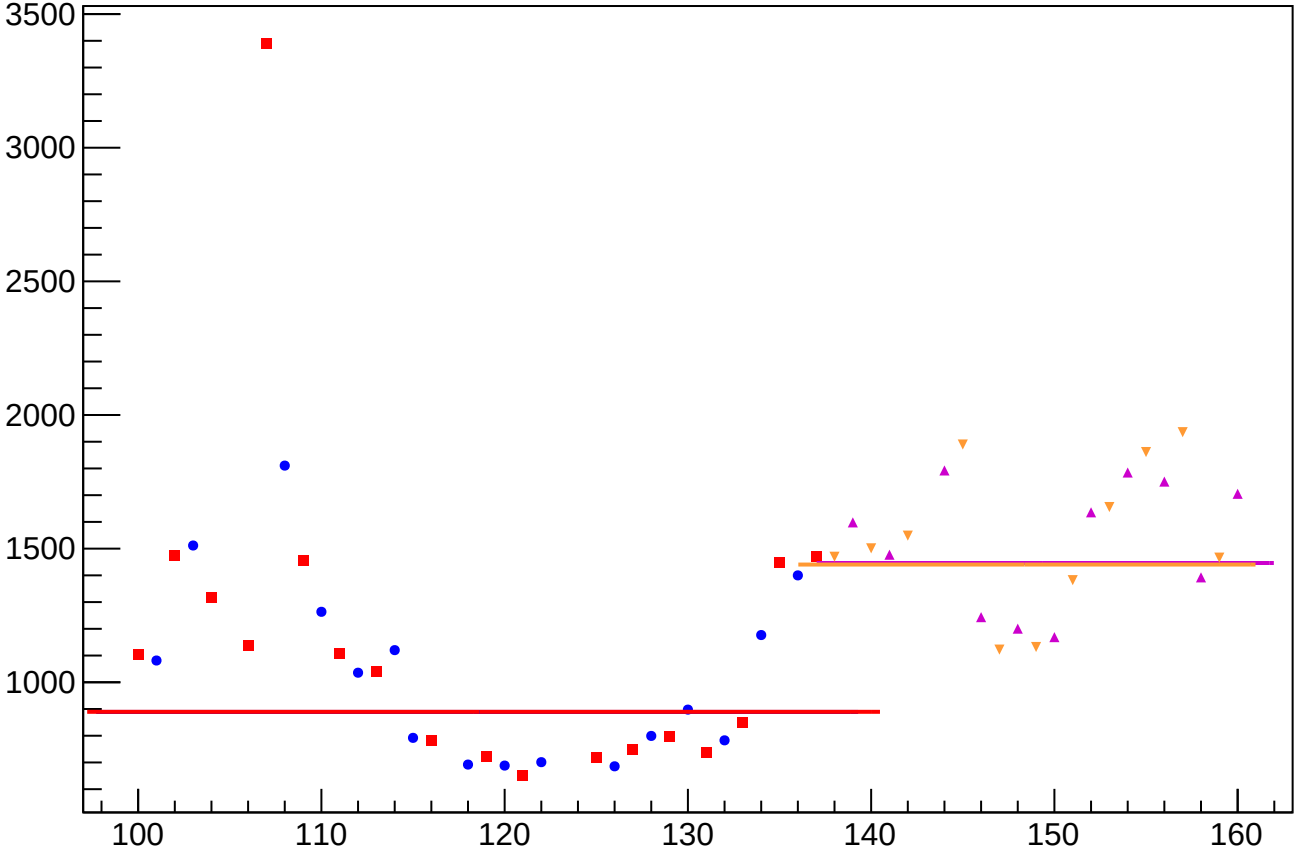
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 89.810+/-279.491 χ^2/NDF:27.1/26

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

All: 23.120+/-199.093 χ^2/NDF: 85.7/55

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: 1446.264+/-0.336 χ^2/NDF:476996.3/10

Left: 1443.491+/-0.243 χ^2/NDF: 1053613.1/21

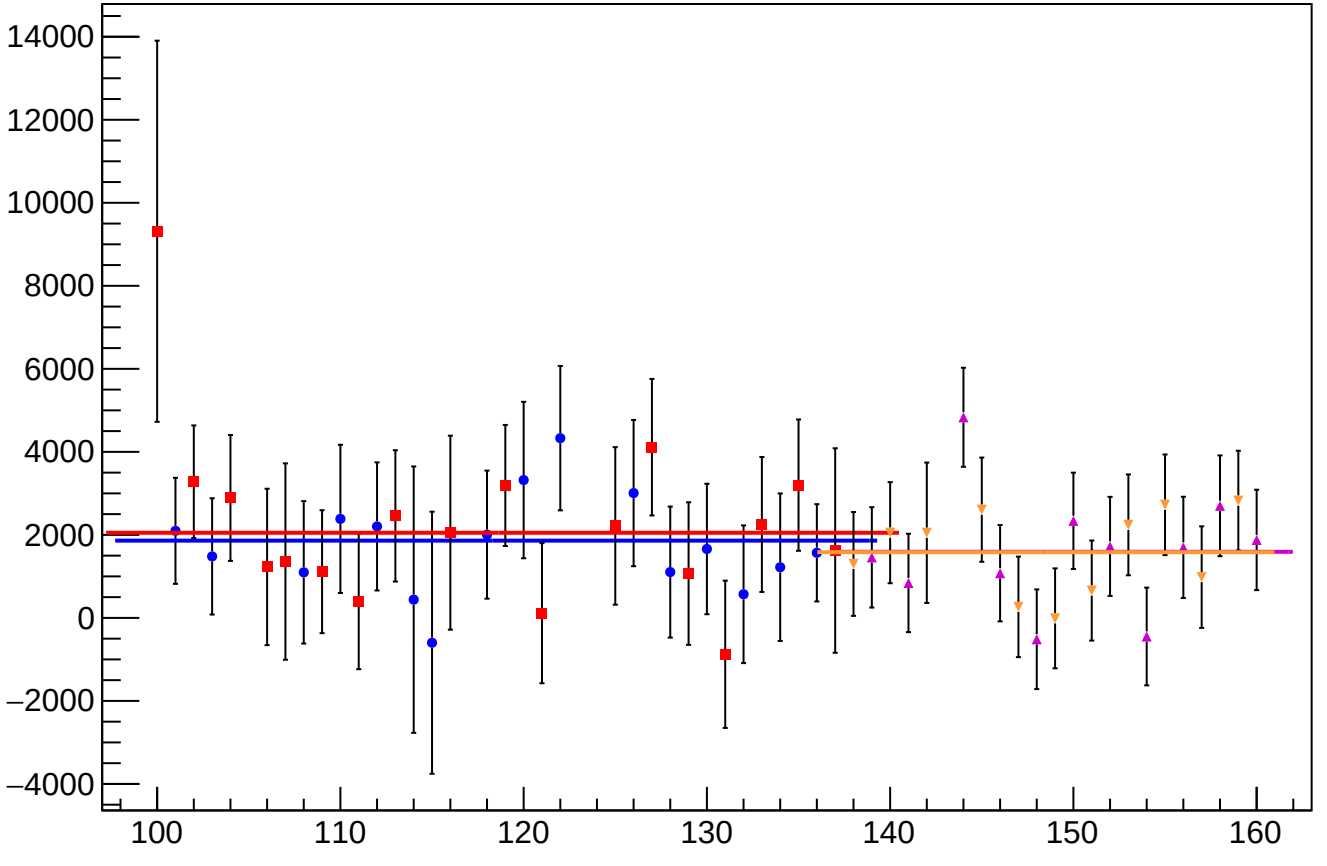
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1081.441+/-0.198 χ^2/NDF:3407693.9/26

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

All: 1074.850+/-0.141 χ^2/NDF: 6984990.7/55

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: 1592.327+/-359.533 χ^2/NDF:15.4/10

Left: 1587.700+/-259.830 χ^2/NDF: 22.3/21

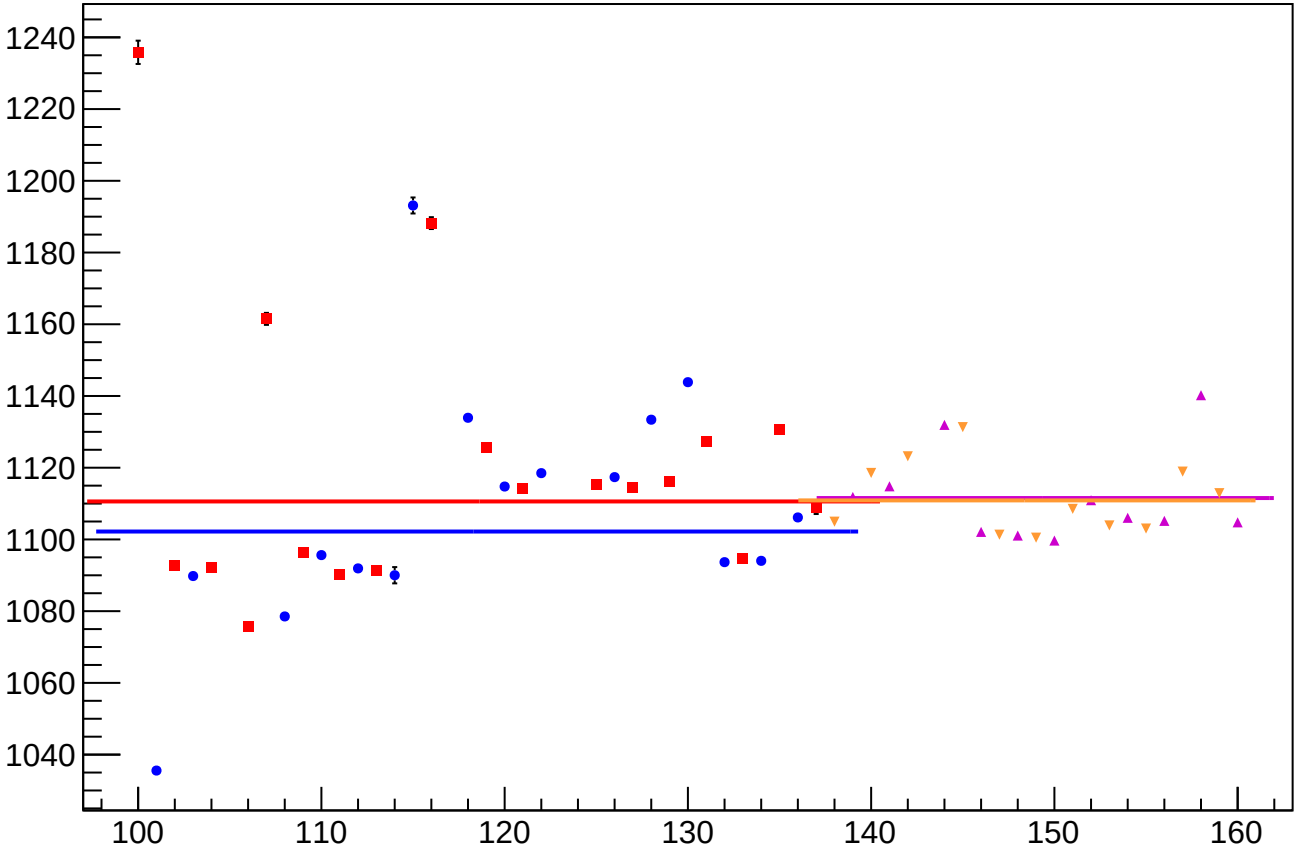
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1709.501+/-270.183 χ^2/NDF:21.0/26

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

All: 1752.138+/-193.363 χ^2/NDF: 41.2/55

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: 1111.540+/-0.254 χ^2/NDF:2371.2/10

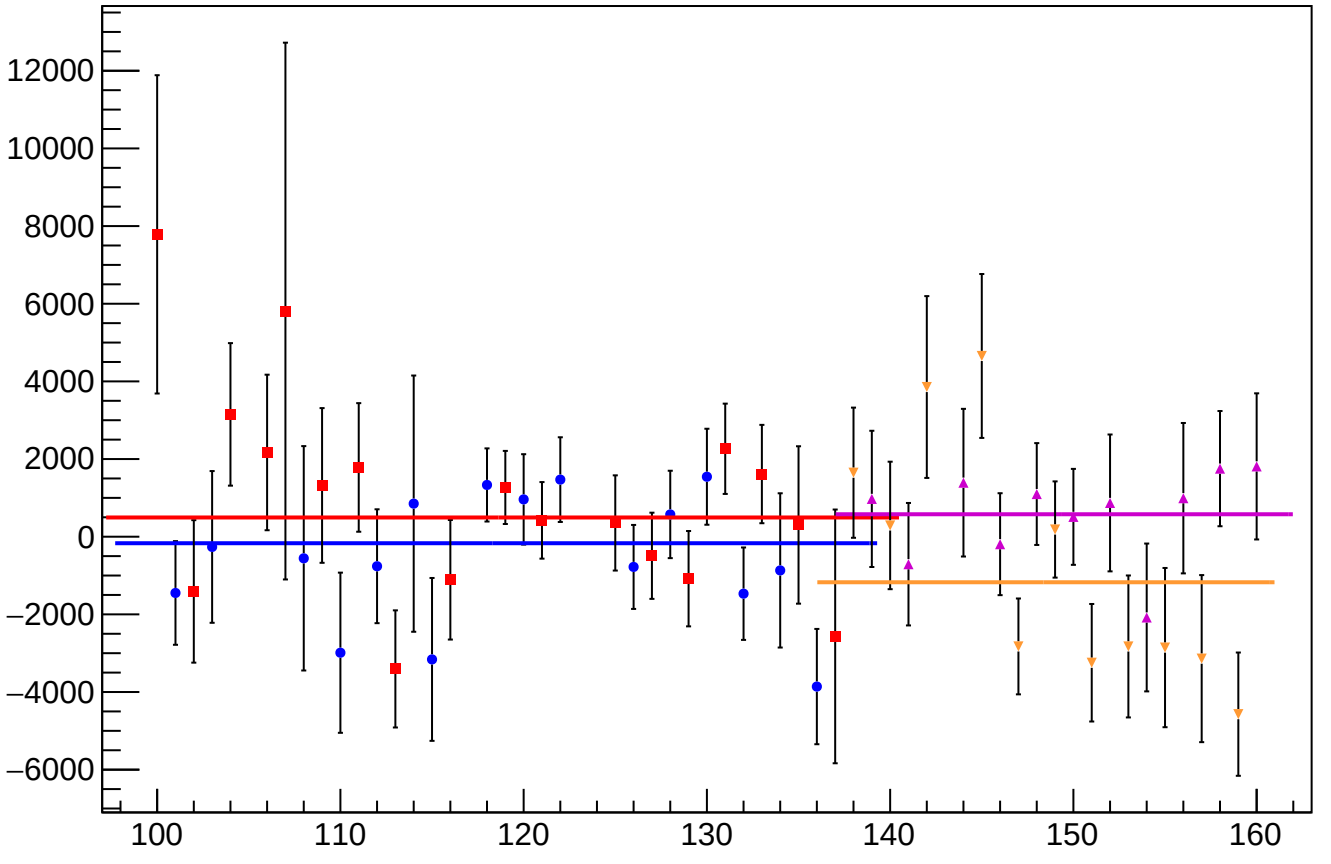
Left: 1111.228+/-0.184 χ^2/NDF: 3656.9/21

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

In: 1107.477+/-0.191 χ^2/NDF:14307.0/26

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

All: 1109.074+/-0.137 χ^2/NDF: 23429.4/55



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: 578.243+/-475.574 χ^2/NDF:4.5/10

Left: -256.671+/-344.025 χ^2/NDF: 38.6/21

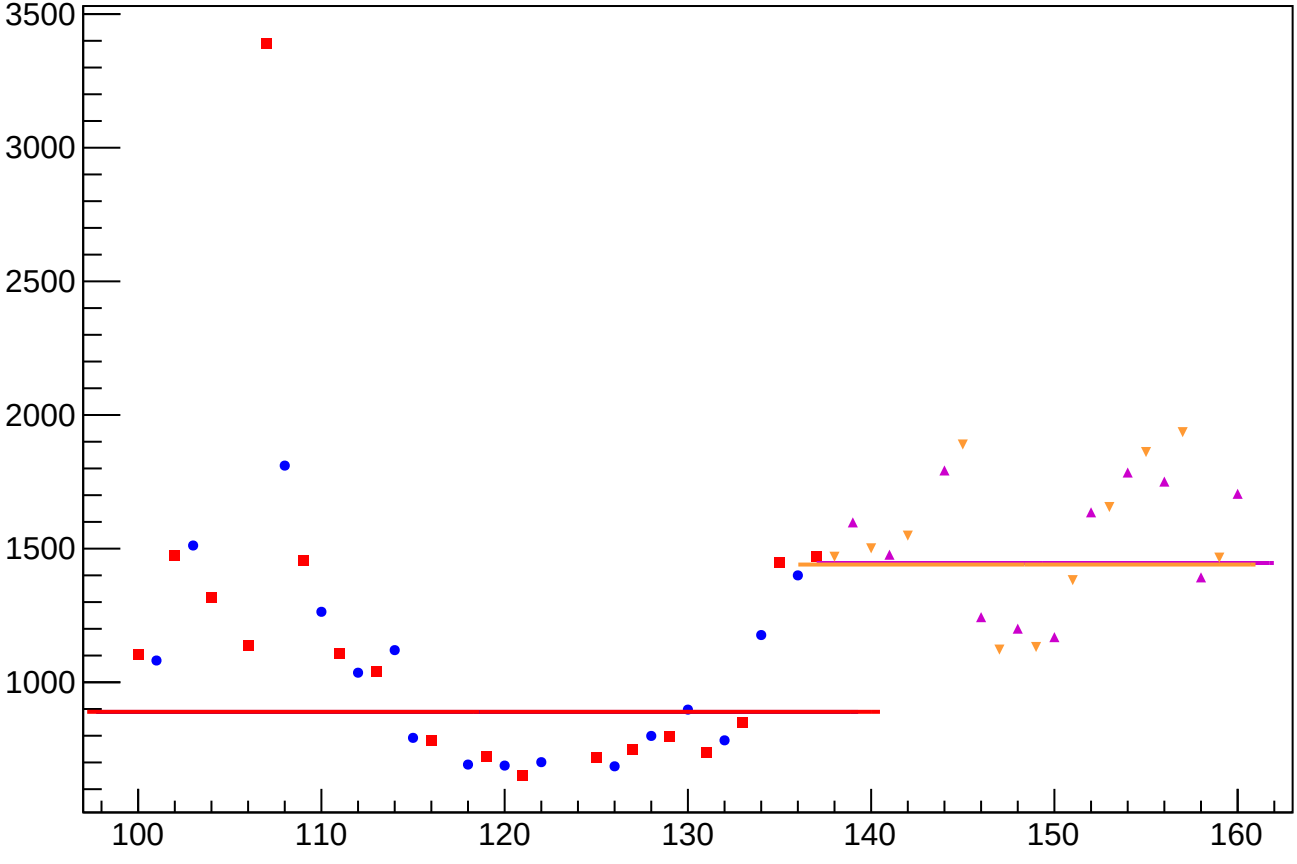
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 89.810+/-279.491 χ^2/NDF:27.1/26

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

All: 23.120+/-199.093 χ^2/NDF: 85.7/55

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: 1446.264+/-0.336 χ^2/NDF:476996.3/10

Left: 1443.491+/-0.243 χ^2/NDF: 1053613.1/21

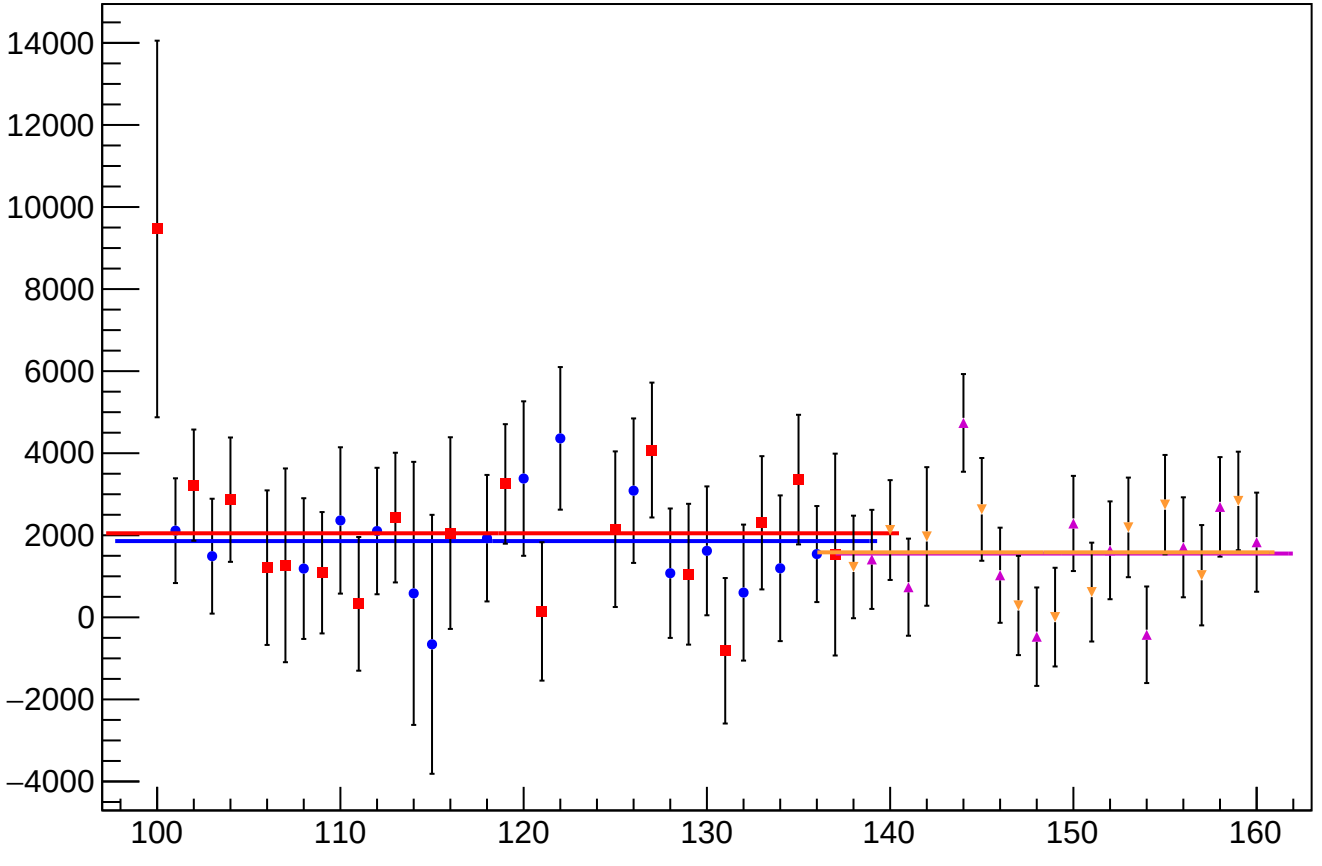
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1081.441+/-0.198 χ^2/NDF:3407693.9/26

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

All: 1074.850+/-0.141 χ^2/NDF: 6984990.7/55

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: 1554.678+/-359.159 χ^2/NDF:14.9/10

Left: 1568.818+/-259.556 χ^2/NDF: 21.9/21

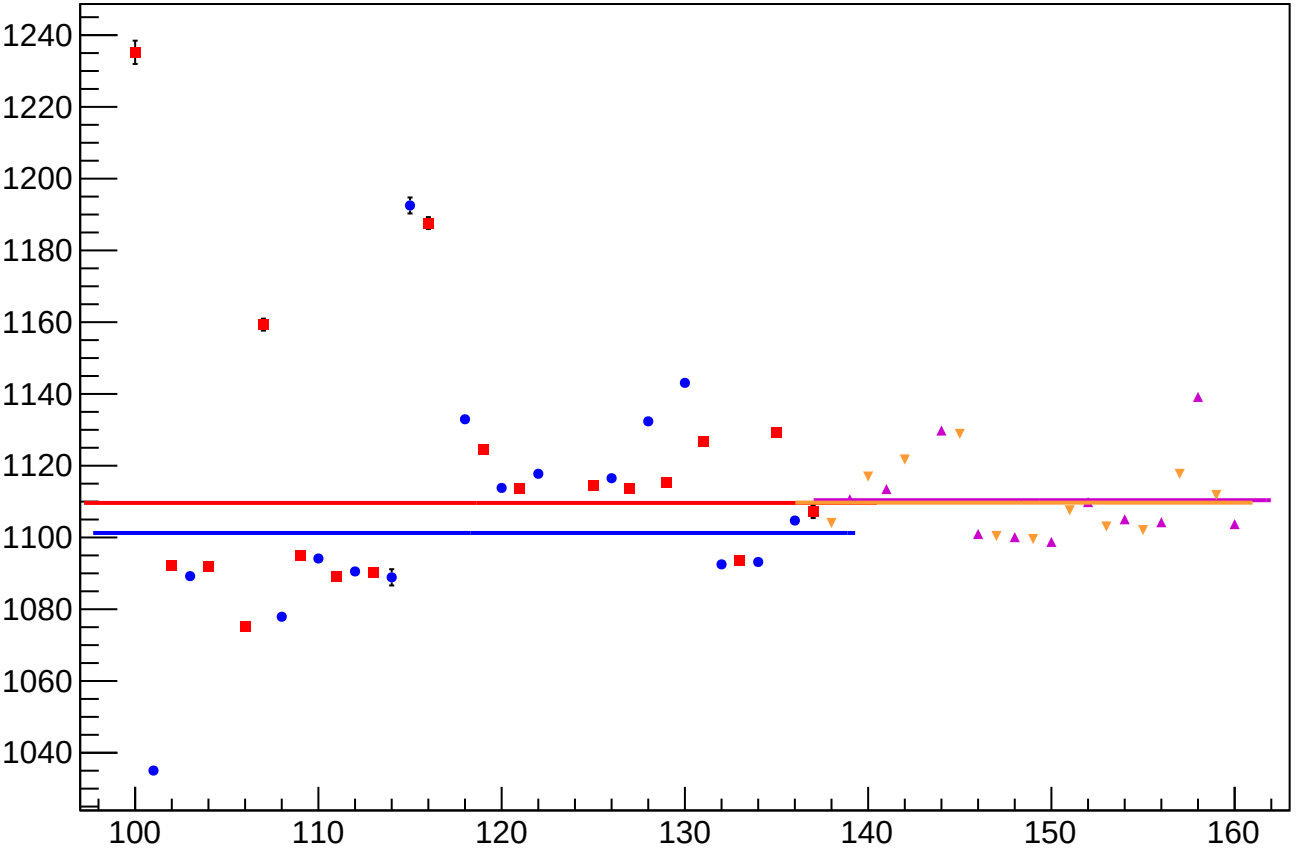
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1686.976+/-269.923 χ^2/NDF:20.6/26

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

All: 1740.528+/-193.176 χ^2/NDF: 41.2/55

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: 1110.389+/-0.254 χ^2/NDF:2305.8/10

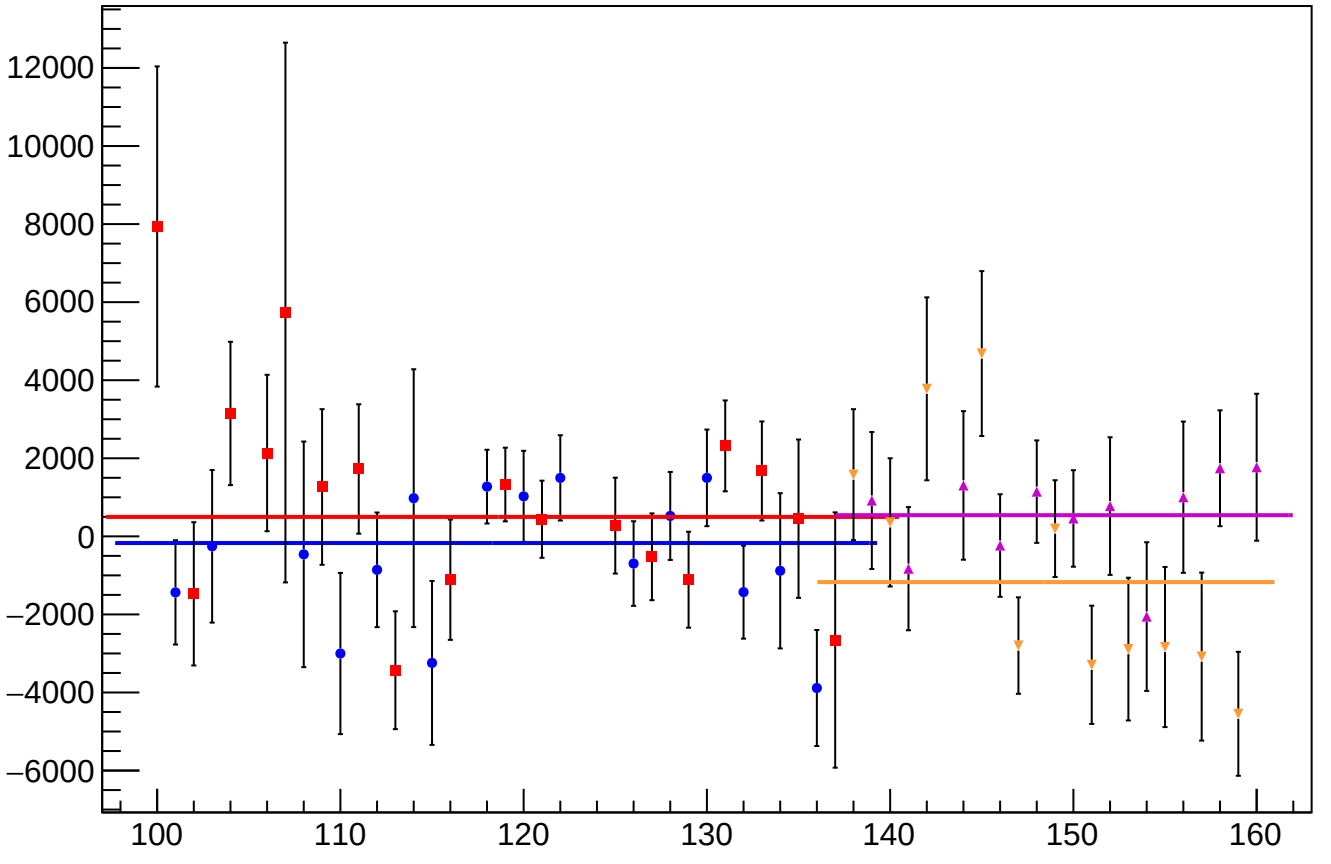
Left: 1110.063+/-0.184 χ^2/NDF: 3489.3/21

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

In: 1106.414+/-0.191 χ^2/NDF:14177.0/26

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

All: 1108.003+/-0.137 χ^2/NDF: 23172.3/55



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

Left Out: -1171.213+/-498.581 χ^2/NDF:27.5/10

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

Left In: 542.597+/-475.867 χ^2/NDF:4.5/10

Left: -274.381+/-344.239 χ^2/NDF: 38.2/21

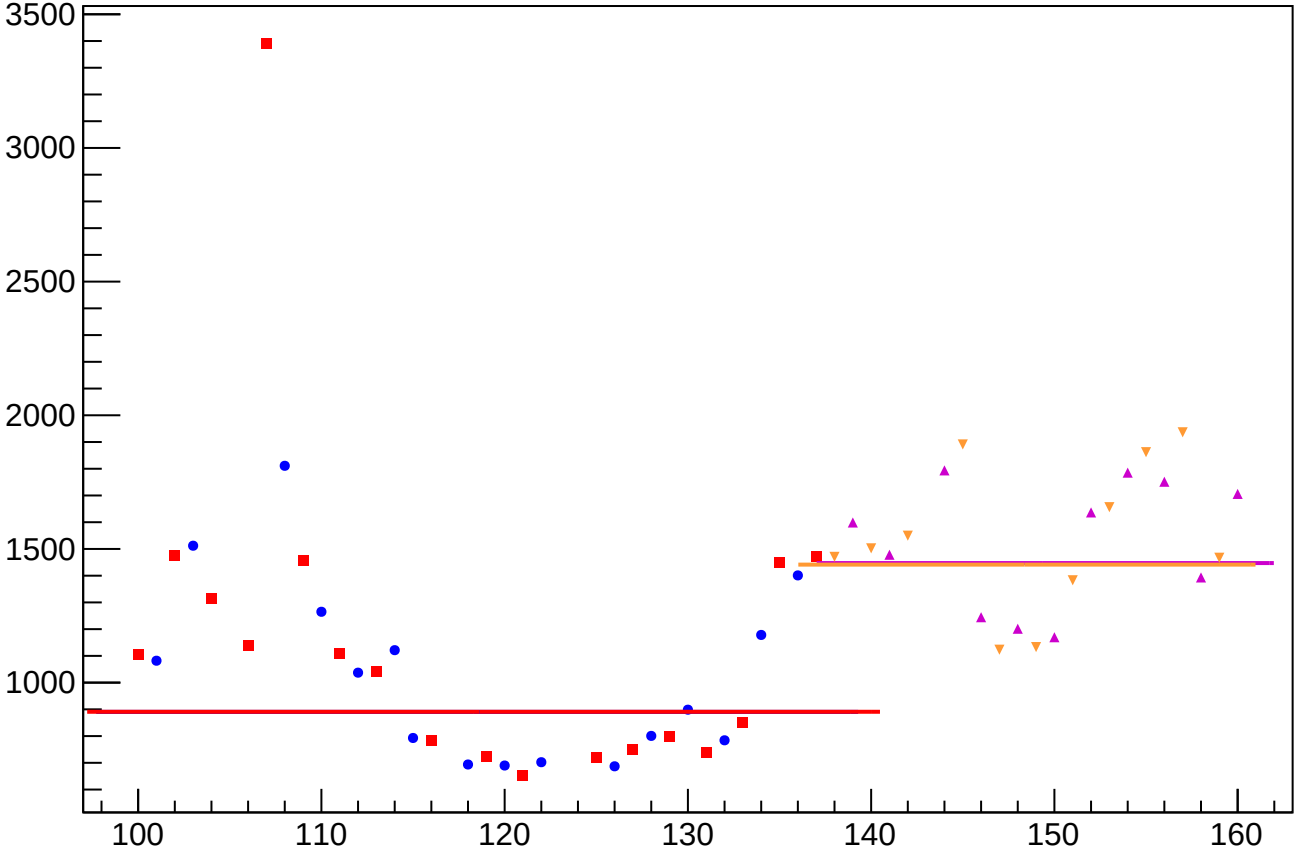
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: 75.814+/-279.836 χ^2/NDF:26.9/26

Out: -43.688+/-284.016 χ^2/NDF:59.0/28

All: 16.949+/-199.335 χ^2/NDF: 86.0/55

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: 1447.191+/-0.336 χ^2/NDF:476272.5/10

Left: 1444.427+/-0.243 χ^2/NDF: 1052084.9/21

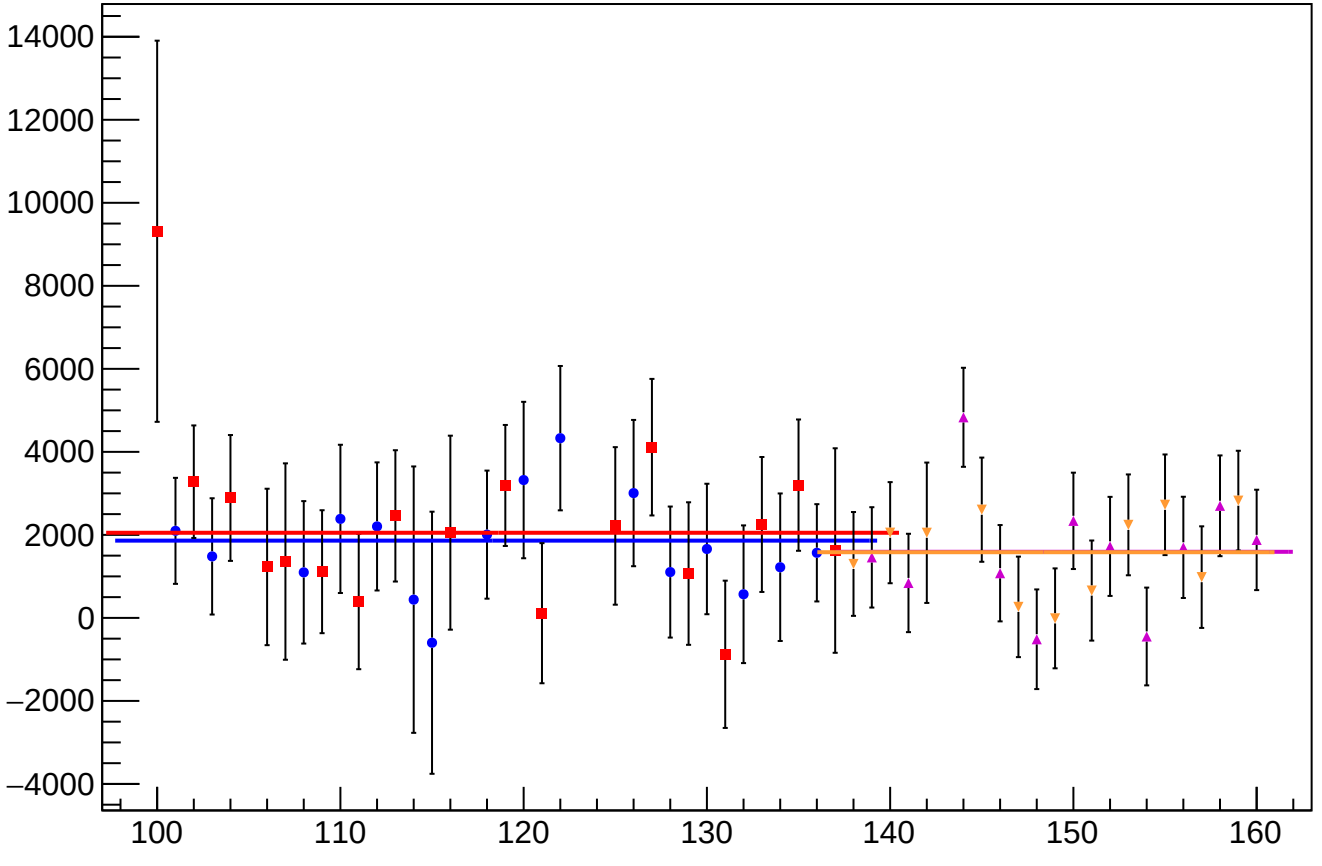
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1083.005+/-0.198 χ^2/NDF:3395619.7/26

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

All: 1076.383+/-0.141 χ^2/NDF: 6962114.4/55

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: 1592.327+/-359.533 χ^2/NDF:15.4/10

Left: 1587.700+/-259.830 χ^2/NDF: 22.3/21

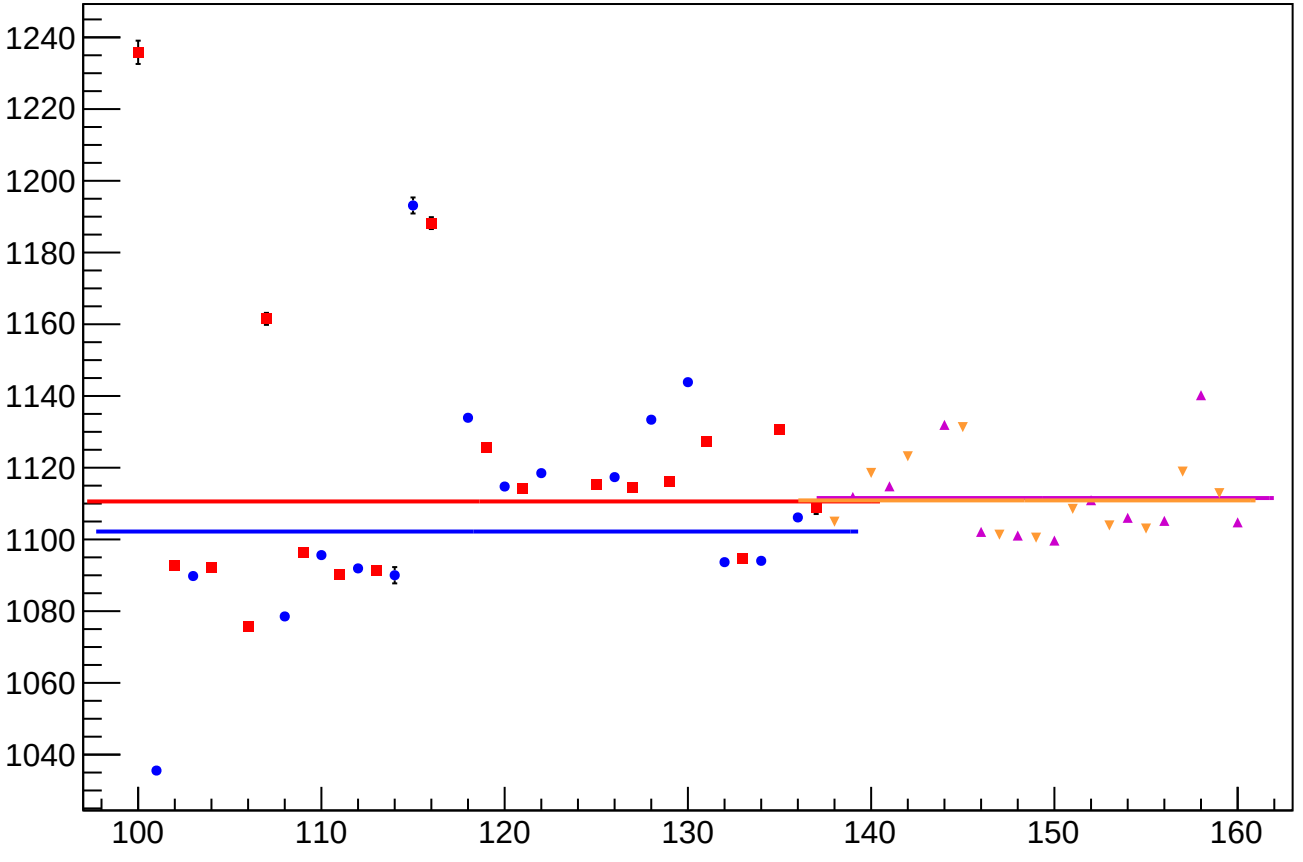
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1709.501+/-270.183 χ^2/NDF:21.0/26

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

All: 1752.138+/-193.363 χ^2/NDF: 41.2/55

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: 1111.540+/-0.254 χ^2/NDF:2371.2/10

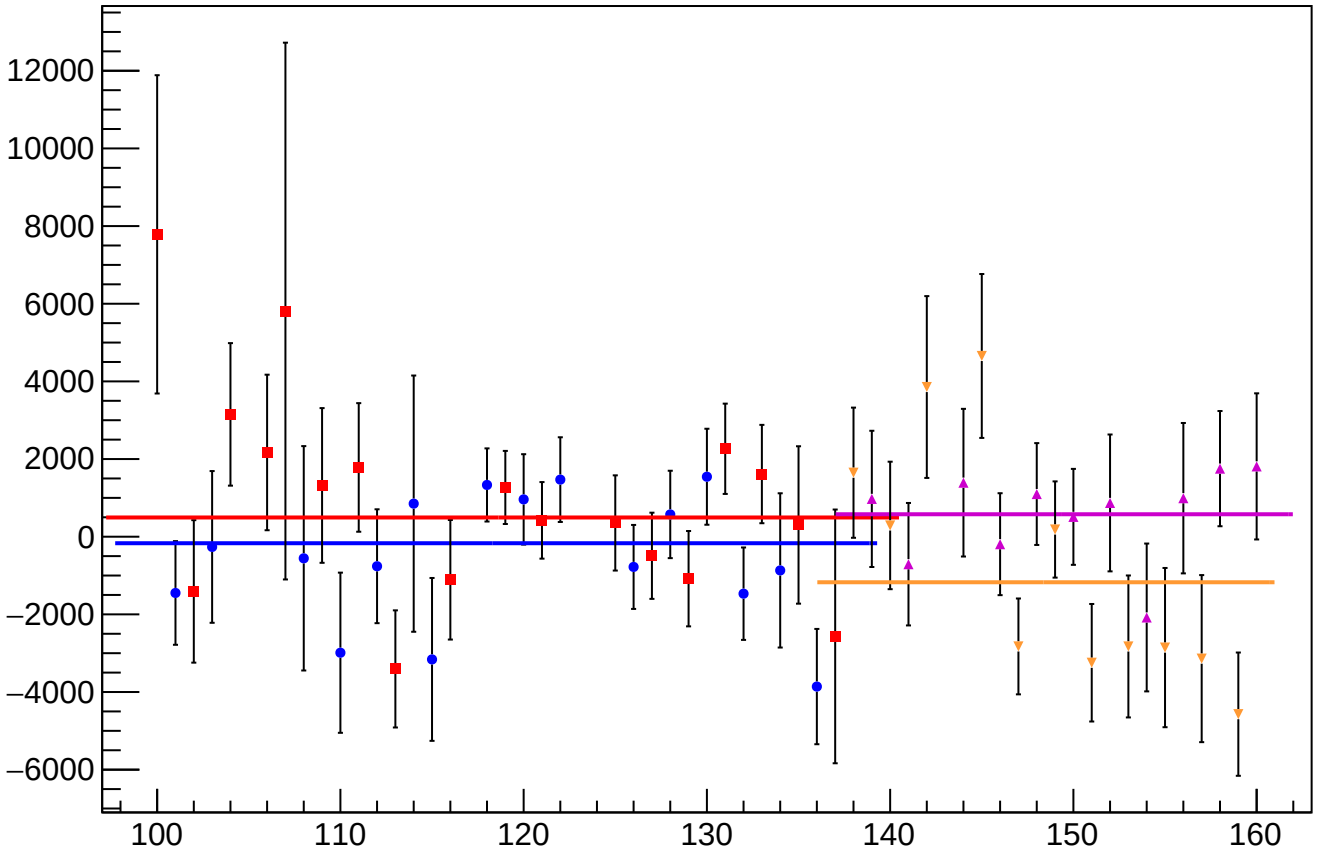
Left: 1111.228+/-0.184 χ^2/NDF: 3656.9/21

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

In: 1107.477+/-0.191 χ^2/NDF:14307.0/26

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

All: 1109.074+/-0.137 χ^2/NDF: 23429.4/55



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: 578.243+/-475.574 χ^2/NDF:4.5/10

Left: -256.671+/-344.025 χ^2/NDF: 38.6/21

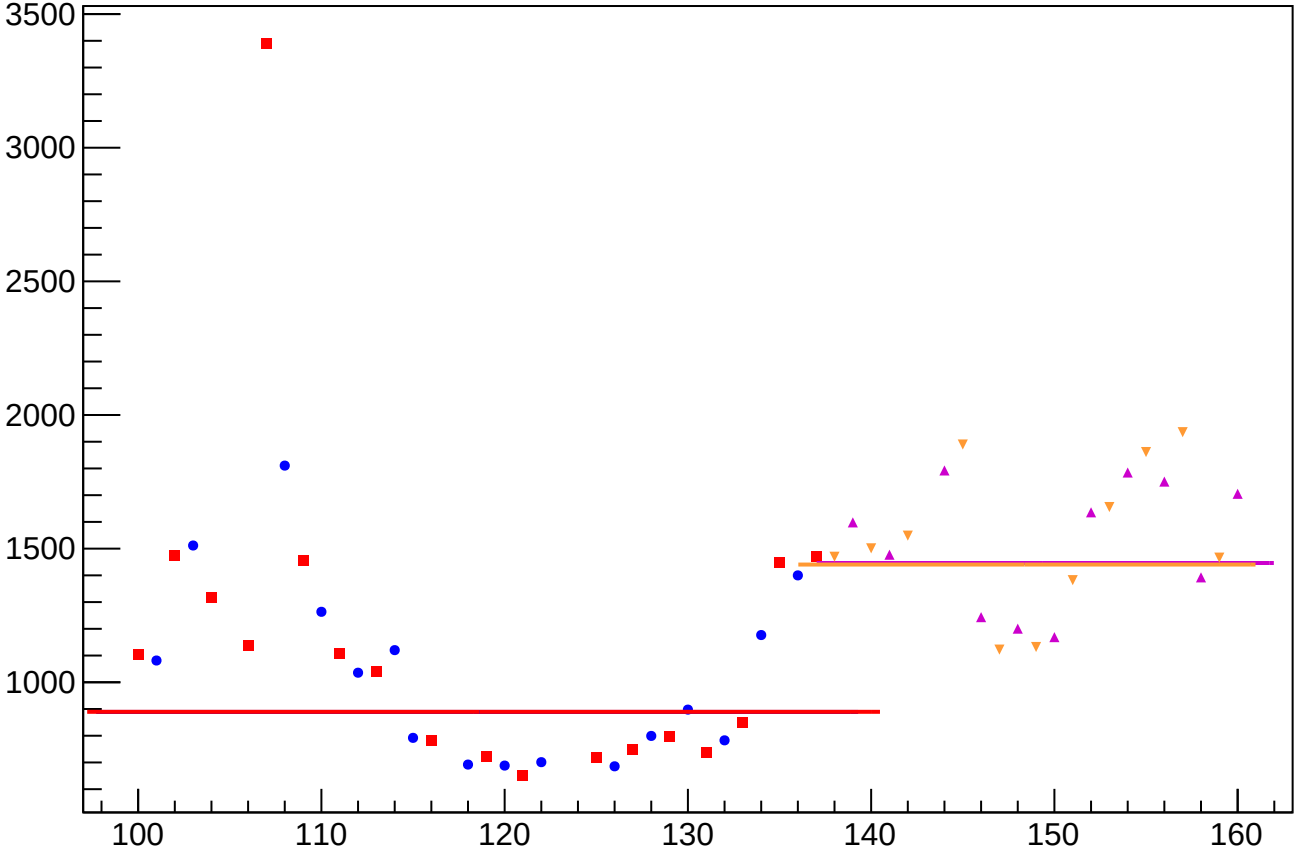
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 89.810+/-279.491 χ^2/NDF:27.1/26

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

All: 23.120+/-199.093 χ^2/NDF: 85.7/55

asym_usl_eigen_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: 1446.264+/-0.336 χ^2/NDF:476996.3/10

Left: 1443.491+/-0.243 χ^2/NDF: 1053613.1/21

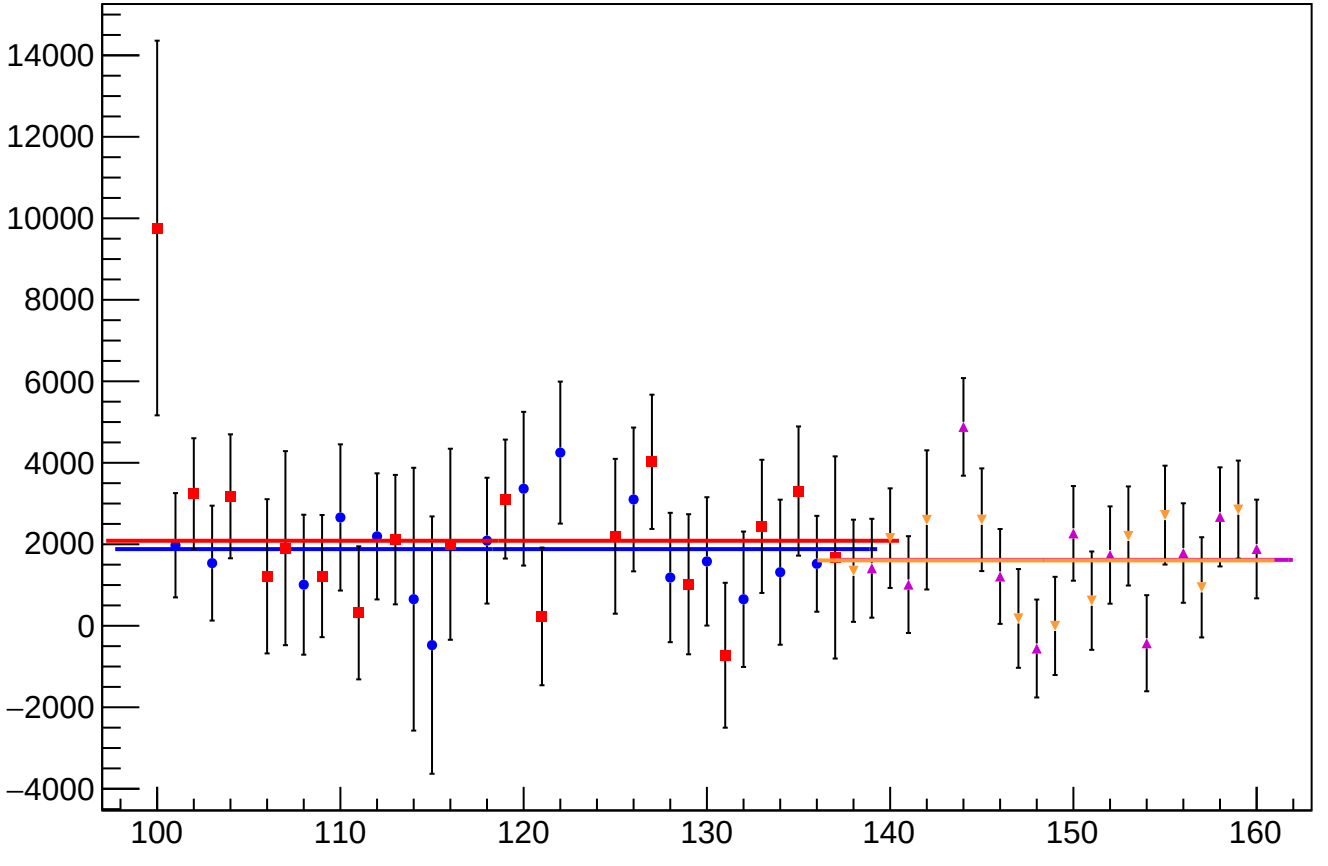
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1081.441+/-0.198 χ^2/NDF:3407693.9/26

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

All: 1074.850+/-0.141 χ^2/NDF: 6984990.7/55

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: 1617.856+/-360.225 χ^2/NDF:15.3/10

Left: 1611.633+/-260.393 χ^2/NDF: 22.8/21

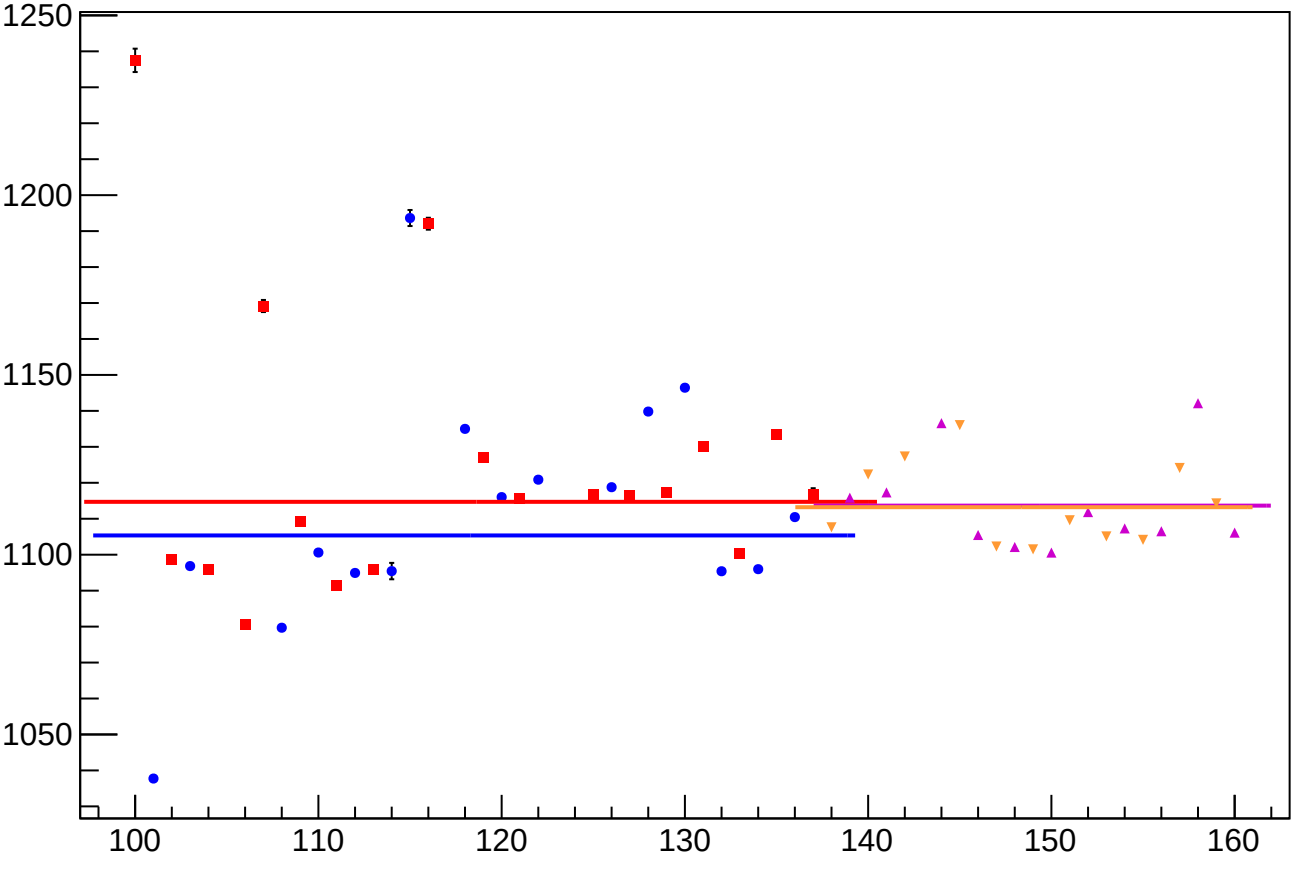
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1732.500+/-270.815 χ^2/NDF:20.7/26

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

All: 1777.647+/-193.881 χ^2/NDF: 41.4/55

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: 1113.649+/-0.255 χ^2/NDF:2598.7/10

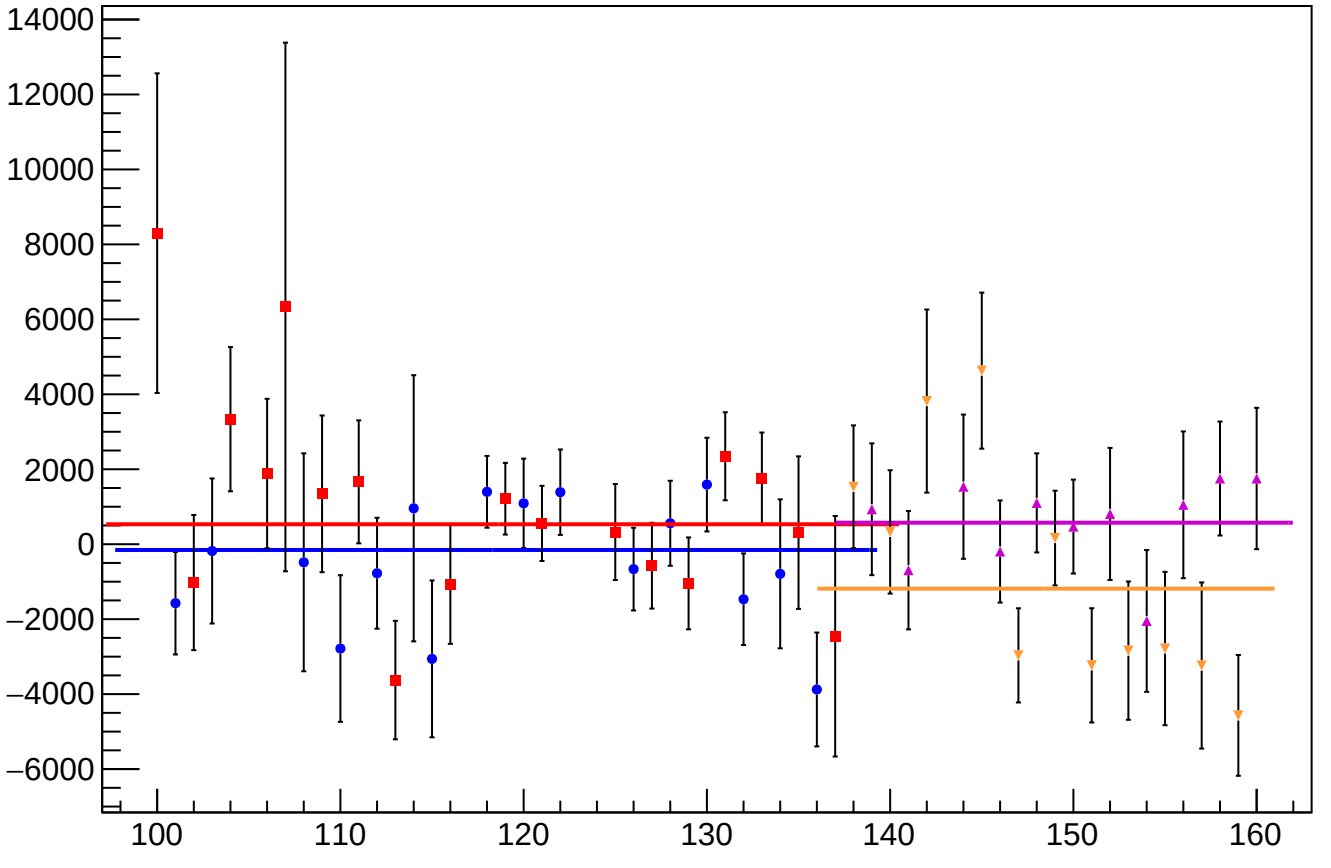
Left: 1113.440+/-0.184 χ^2/NDF: 4274.1/21

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1110.043+/-0.191 χ^2/NDF:14390.5/26

Out: 1113.894+/-0.196 χ^2/NDF:9018.7/28

All: 1111.920+/-0.137 χ^2/NDF: 23606.4/55



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

Left Out: -1185.321+/-503.150 χ^2/NDF:27.2/10

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

Left In: 574.169+/-481.253 χ^2/NDF:4.4/10

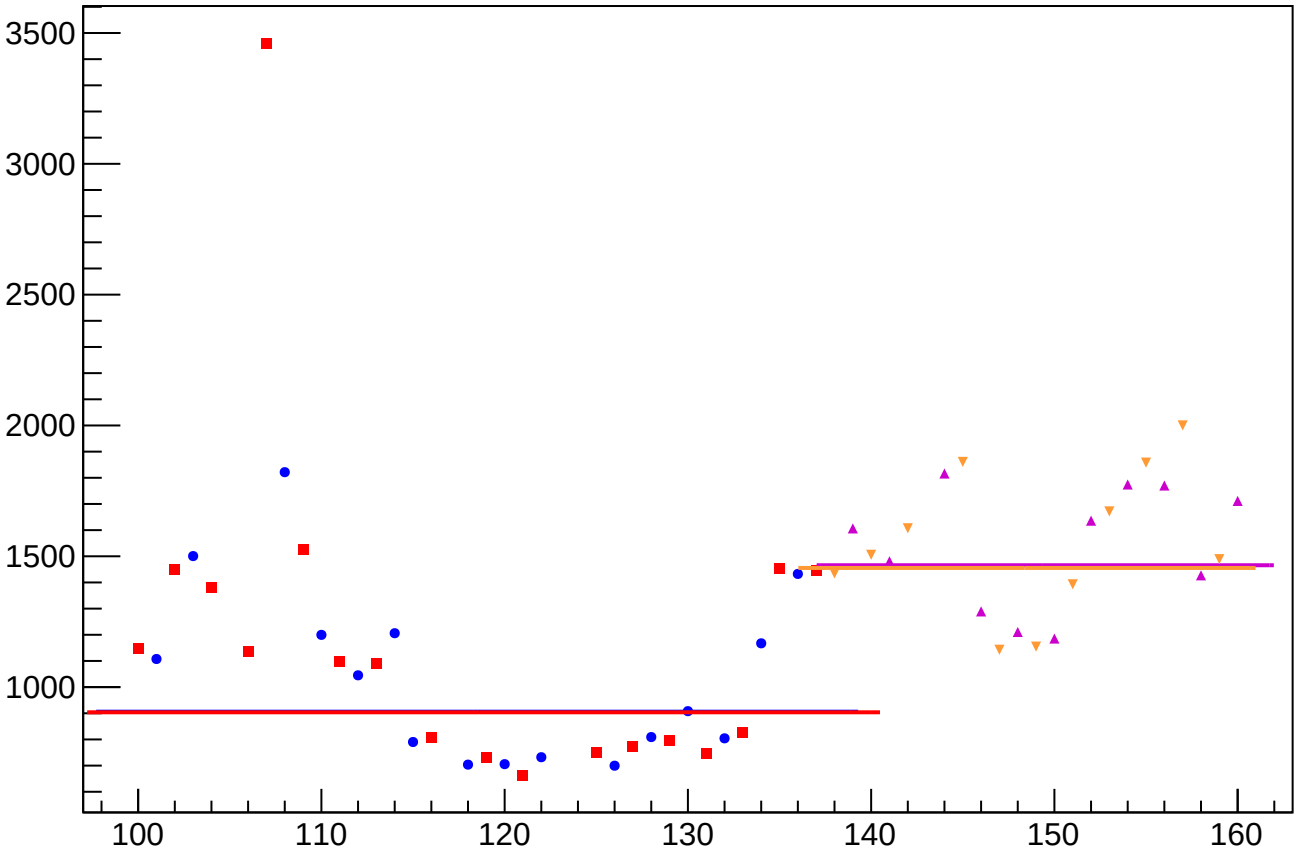
Left: -266.458+/-347.781 χ^2/NDF: 38.0/21

Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 99.145+/-283.754 χ^2/NDF:26.4/26

Out: -28.779+/-287.546 χ^2/NDF:58.3/28

All: 36.032+/-201.972 χ^2/NDF: 84.8/55



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: 1465.780+/-0.340 χ^2/NDF:442945.4/10

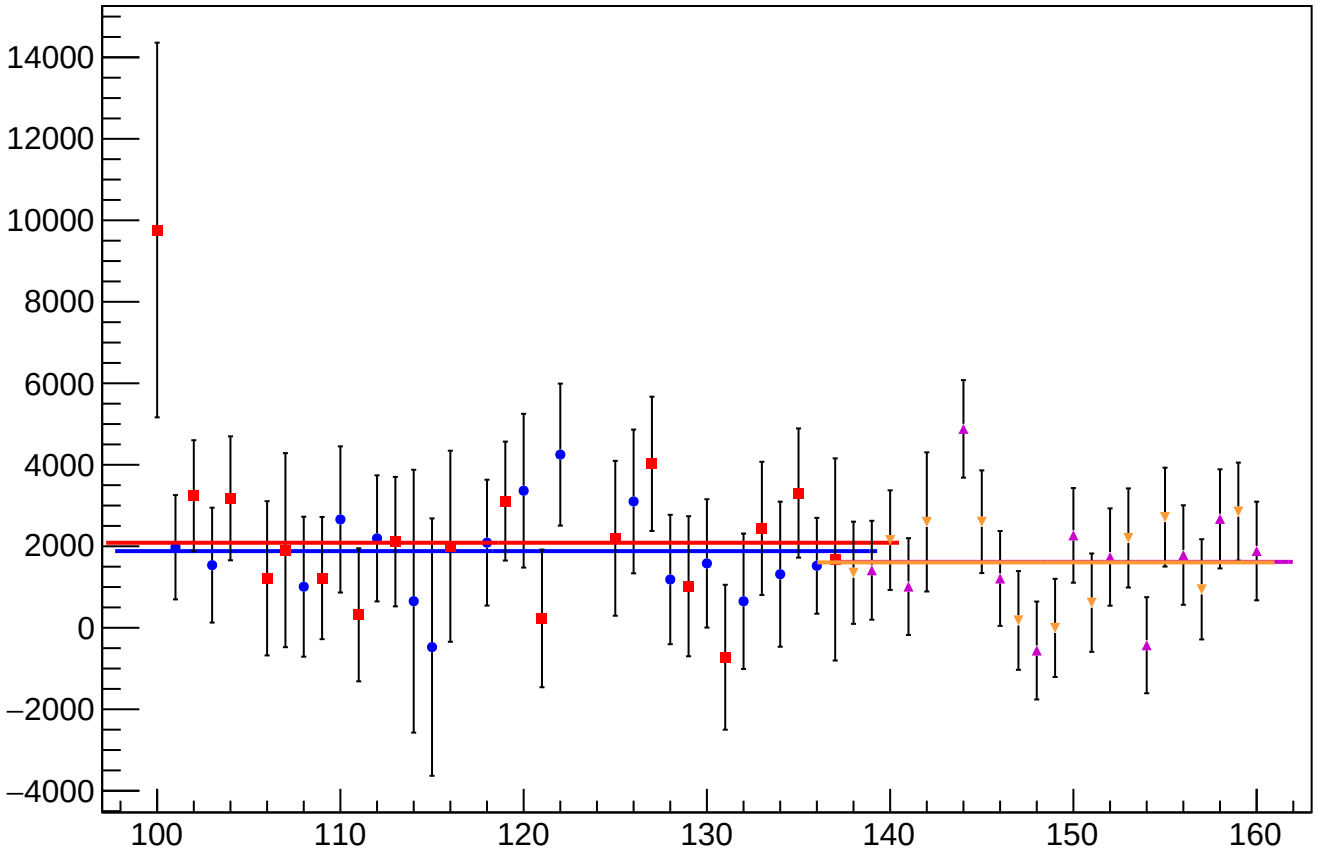
Left: 1460.843+/-0.246 χ^2/NDF: 996006.1/21

Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1100.628+/-0.201 χ^2/NDF:3287384.2/26

Out: 1083.939+/-0.203 χ^2/NDF:3511809.3/28

All: 1092.394+/-0.143 χ^2/NDF: 6802607.0/55



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: 1617.858+/-360.225 χ^2/NDF:15.3/10

Left: 1611.632+/-260.393 χ^2/NDF: 22.8/21

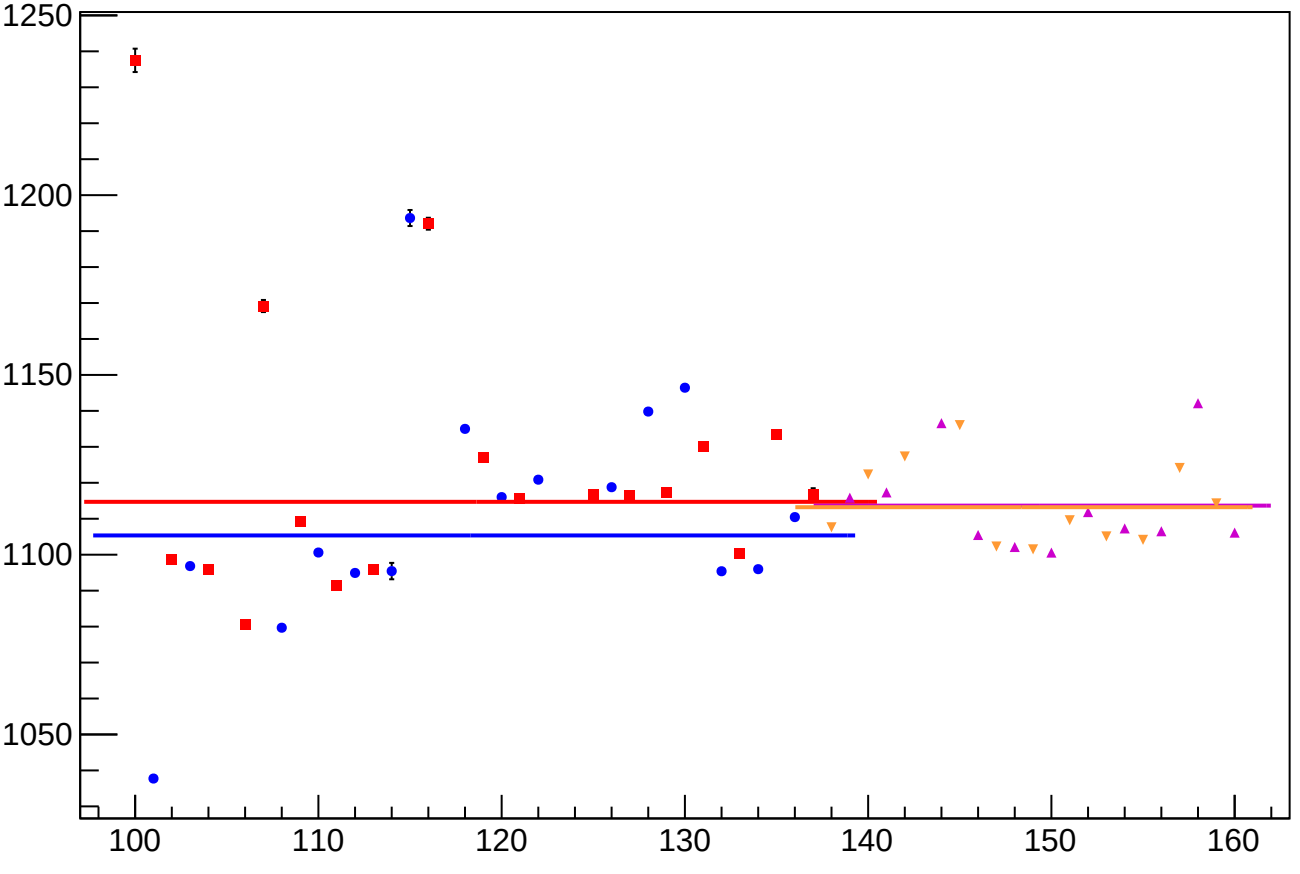
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1732.501+/-270.815 χ^2/NDF:20.7/26

Out: 1825.112+/-277.692 χ^2/NDF:20.6/28

All: 1777.646+/-193.881 χ^2/NDF: 41.4/55

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: 1113.649+/-0.255 χ^2/NDF:2598.7/10

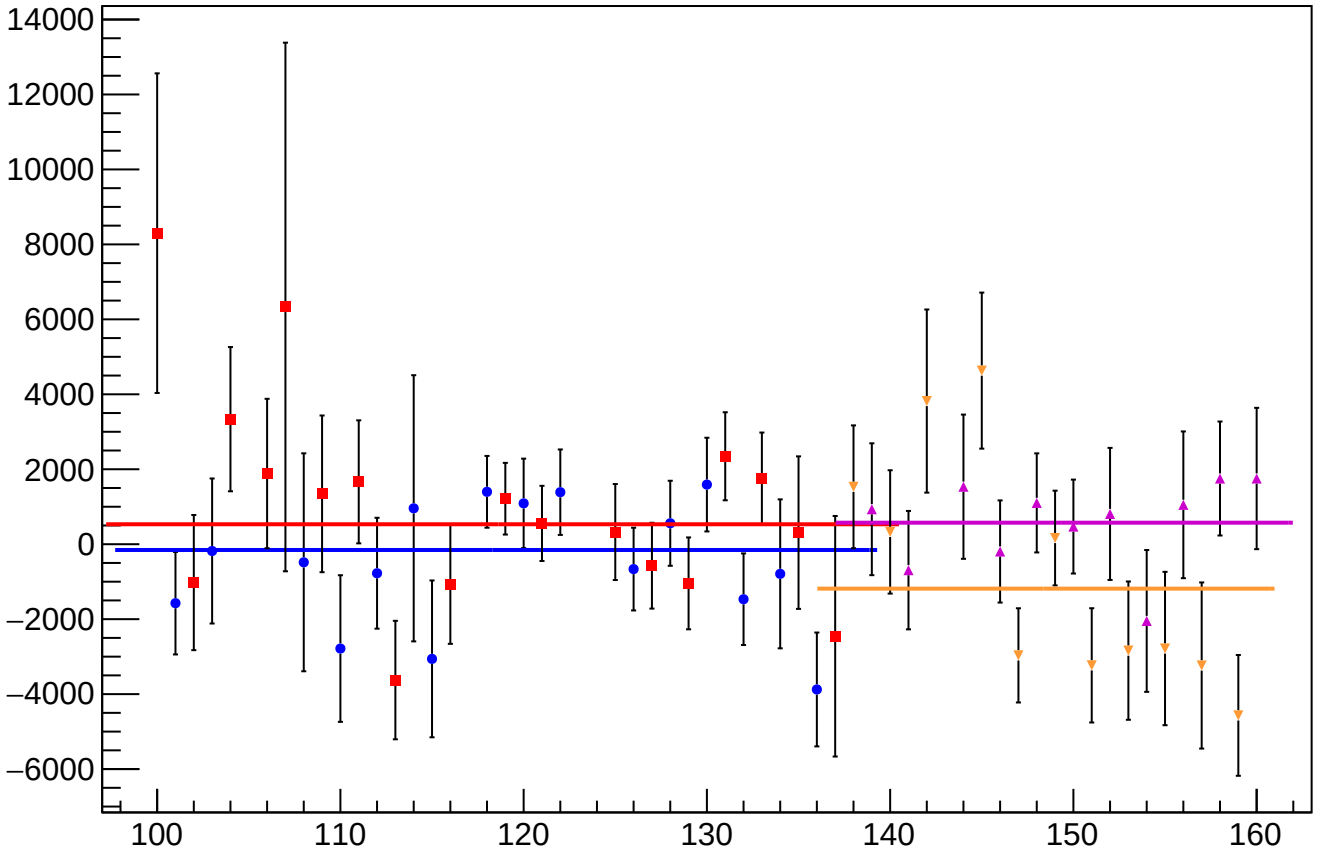
Left: 1113.440+/-0.184 χ^2/NDF: 4274.1/21

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1110.043+/-0.191 χ^2/NDF:14390.5/26

Out: 1113.894+/-0.196 χ^2/NDF:9018.6/28

All: 1111.920+/-0.137 χ^2/NDF: 23606.3/55



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: 574.172+/-481.254 χ^2/NDF:4.4/10

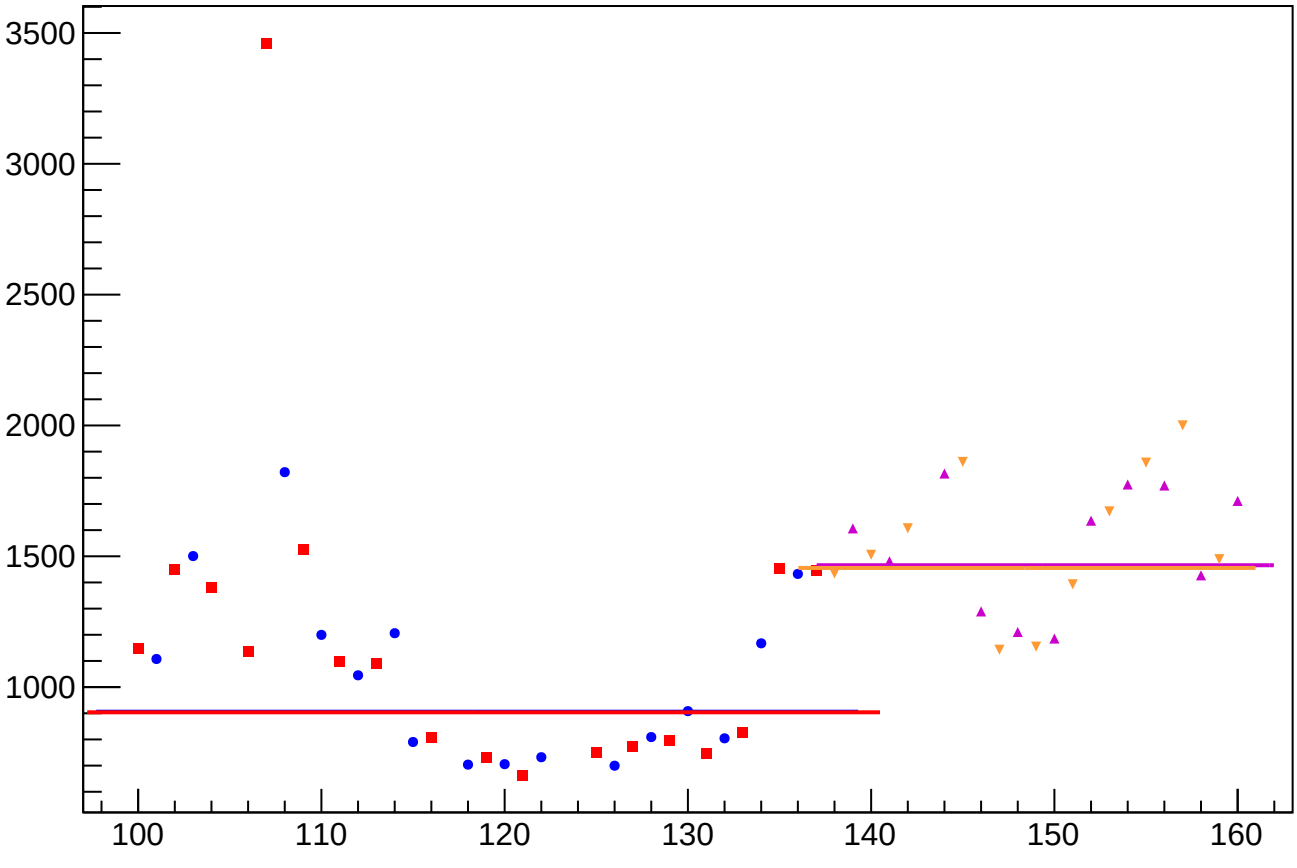
Left: -266.459+/-347.781 χ^2/NDF: 38.0/21

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 99.146+/-283.754 χ^2/NDF:26.4/26

Out: -28.779+/-287.546 χ^2/NDF:58.3/28

All: 36.033+/-201.972 χ^2/NDF: 84.8/55



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: 1465.782+/-0.340 χ^2/NDF:442942.5/10

Left: 1460.845+/-0.246 χ^2/NDF: 996000.7/21

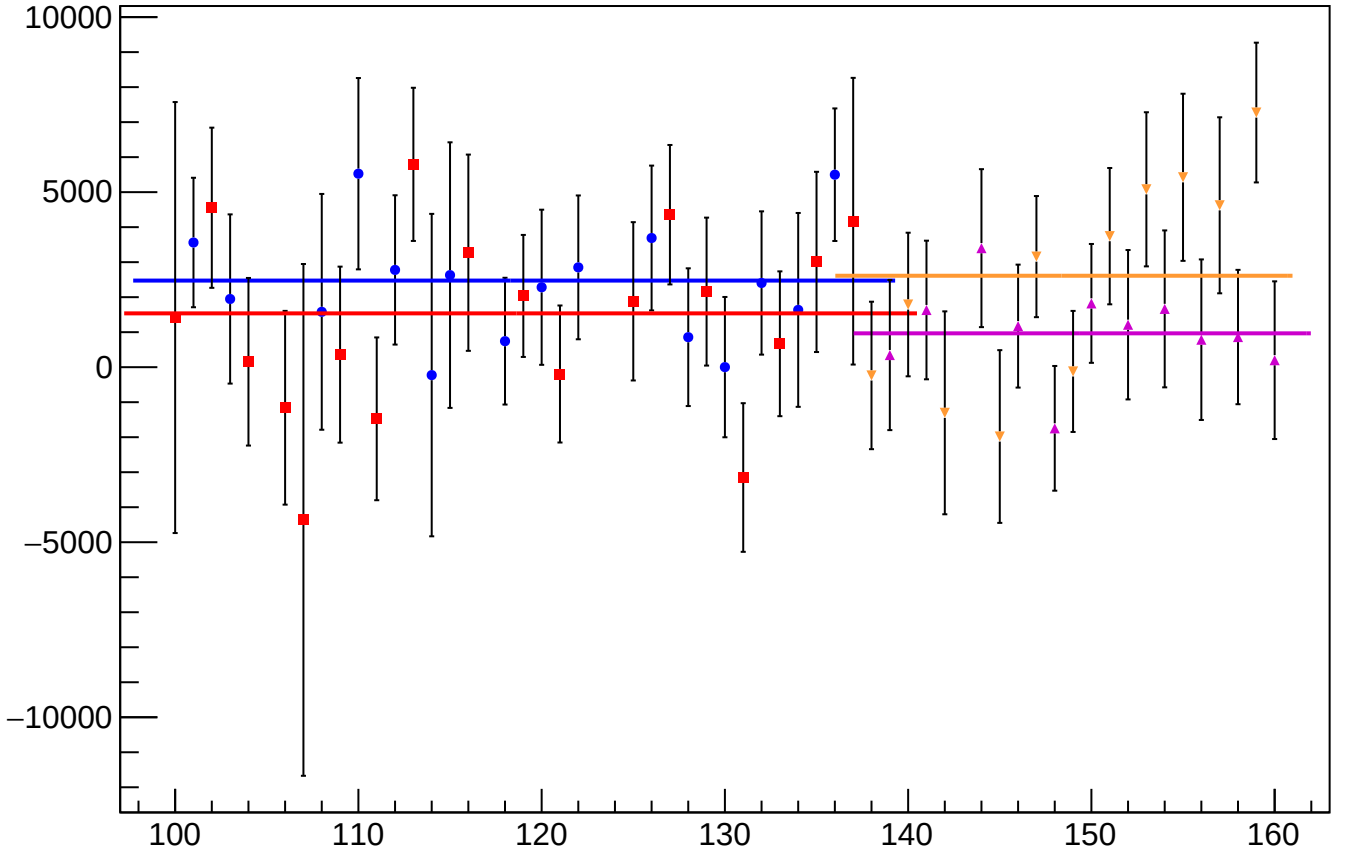
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1100.627+/-0.201 χ^2/NDF:3287410.9/26

Out: 1083.937+/-0.203 χ^2/NDF:3511834.6/28

All: 1092.393+/-0.143 χ^2/NDF: 6802659.1/55

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: 967.134+/-604.931 χ^2/NDF:4.2/10

Left: 1748.090+/-438.423 χ^2/NDF: 26.7/21

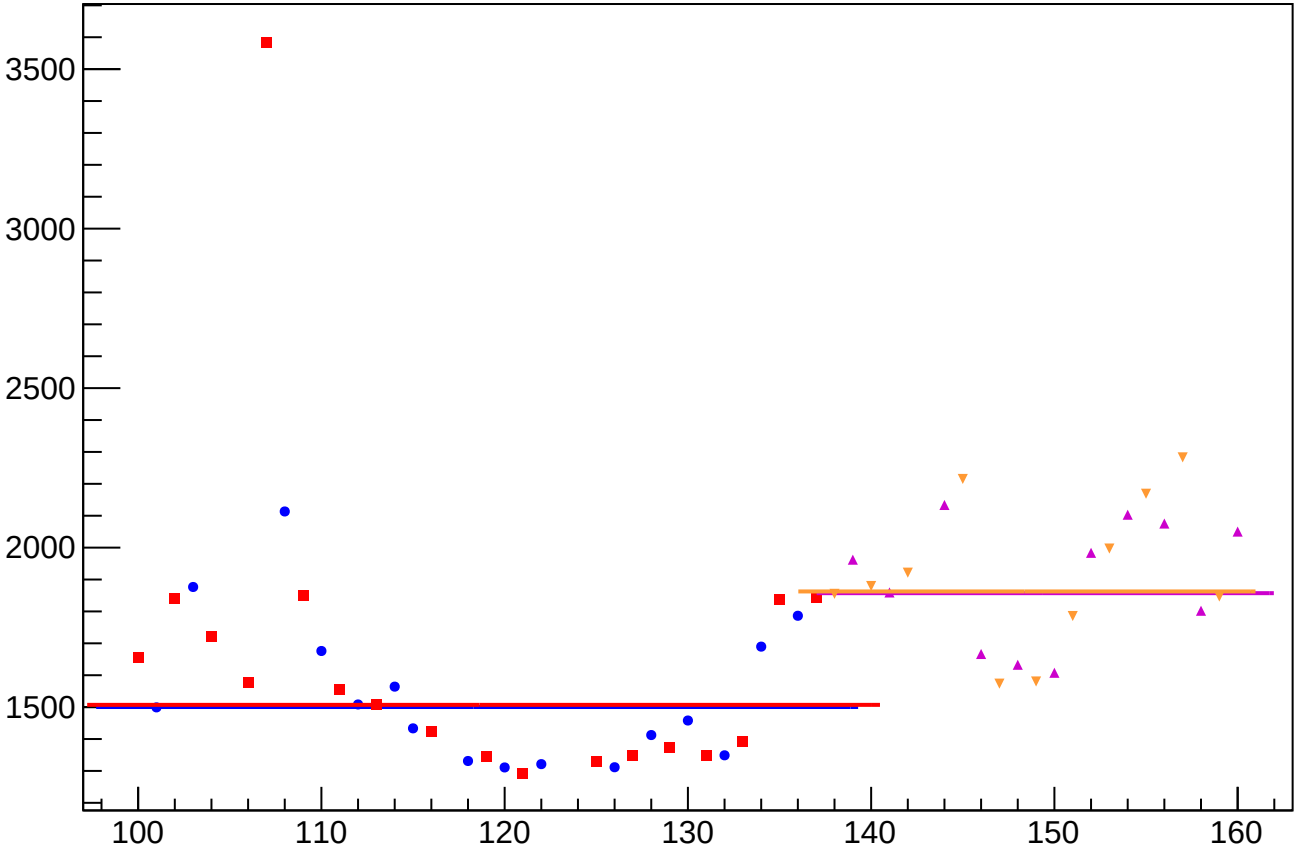
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1774.904+/-412.048 χ^2/NDF:15.7/26

Out: 2009.872+/-421.881 χ^2/NDF:39.1/28

All: 1889.618+/-294.777 χ^2/NDF: 55.0/55

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: 1857.236+/-0.428 χ^2/NDF:198908.2/10

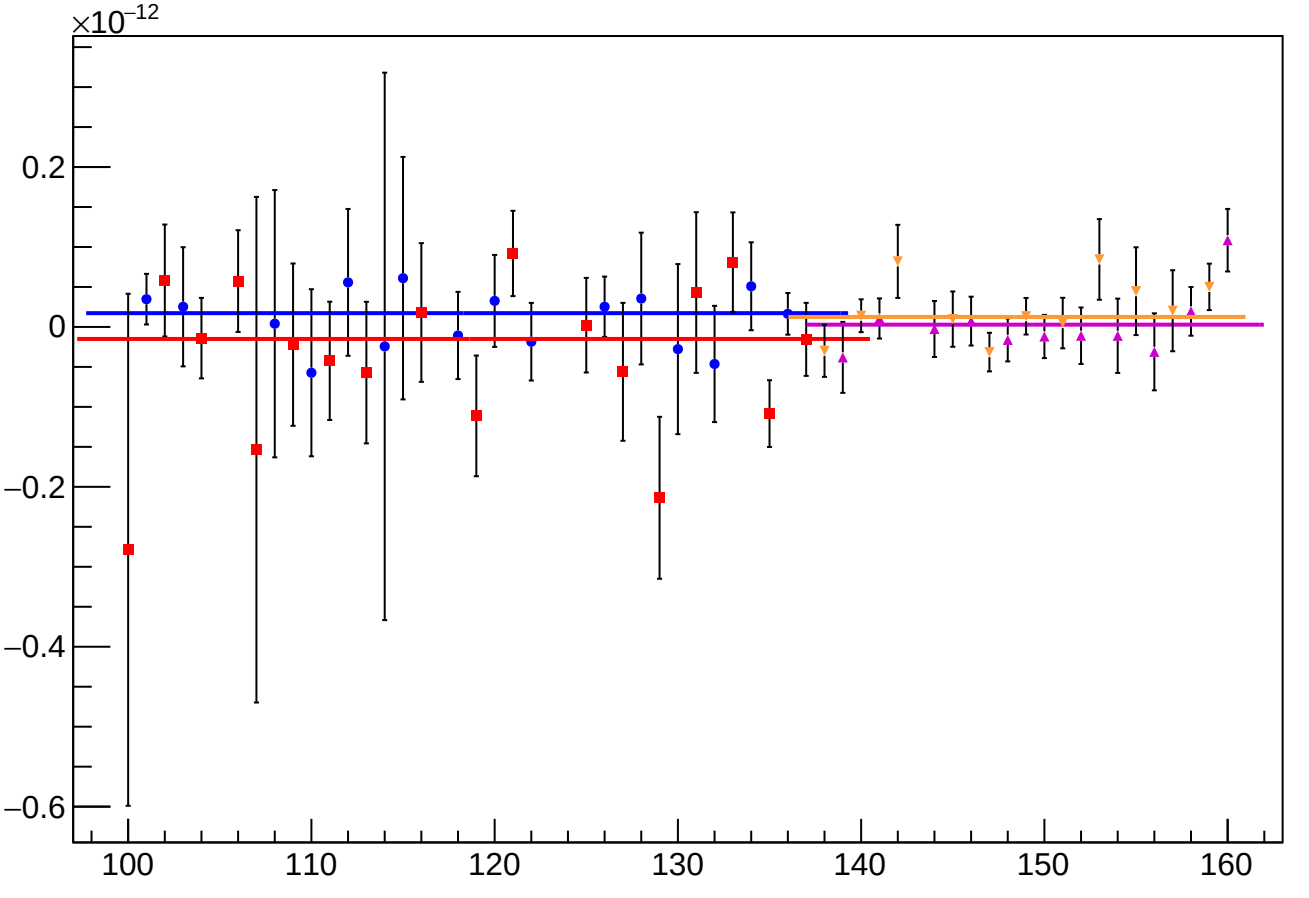
Left: 1859.802+/-0.310 χ^2/NDF: 449504.6/21

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1665.947+/-0.291 χ^2/NDF:830783.5/26

Out: 1663.391+/-0.298 χ^2/NDF:1001683.2/28

All: 1664.699+/-0.208 χ^2/NDF: 1832504.3/55



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:10.1/10

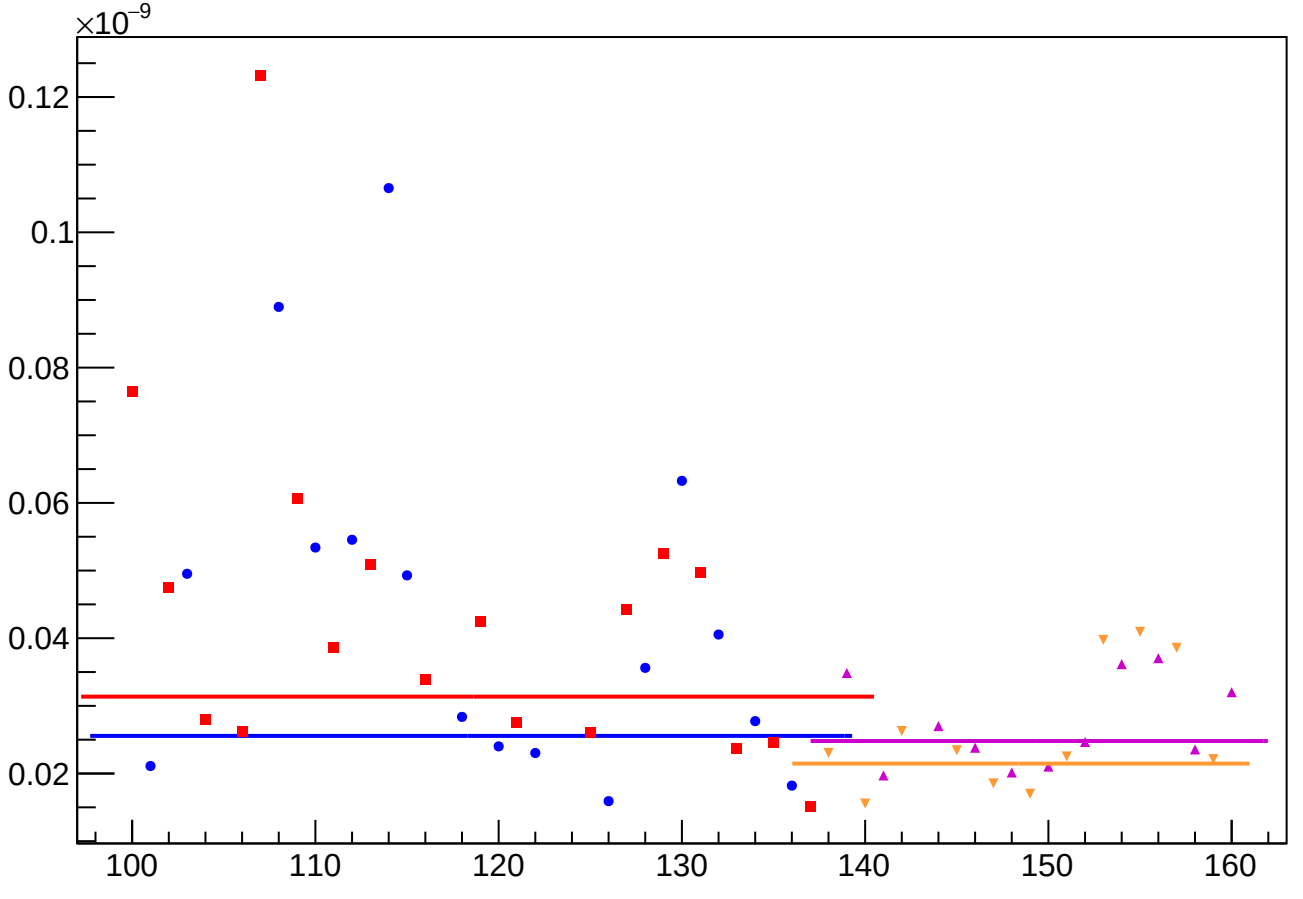
Left: 0.000+/-0.000 χ^2/NDF: 22.1/21

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:14.2/26

Out: 0.000+/-0.000 χ^2/NDF:35.0/28

All: 0.000+/-0.000 χ^2/NDF: 49.2/55



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:614254.2/10

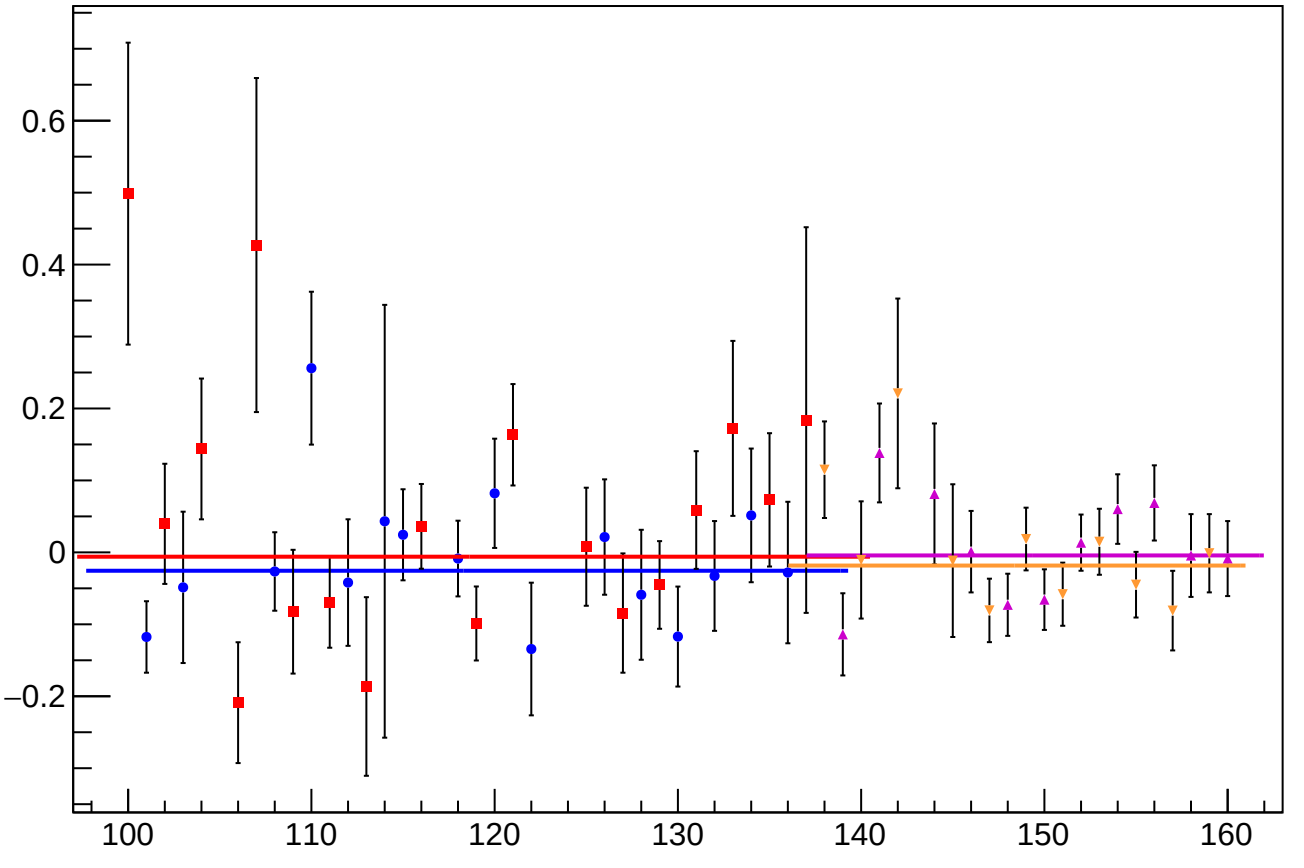
Left: 0.000+/-0.000 χ^2/NDF: 1785356.2/21

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:2326162.6/26

Out: 0.000+/-0.000 χ^2/NDF:2845644.5/28

All: 0.000+/-0.000 χ^2/NDF: 5191396.6/55



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:17.3/10

Left: -0.011+/-0.011 χ^2/NDF: 30.8/21

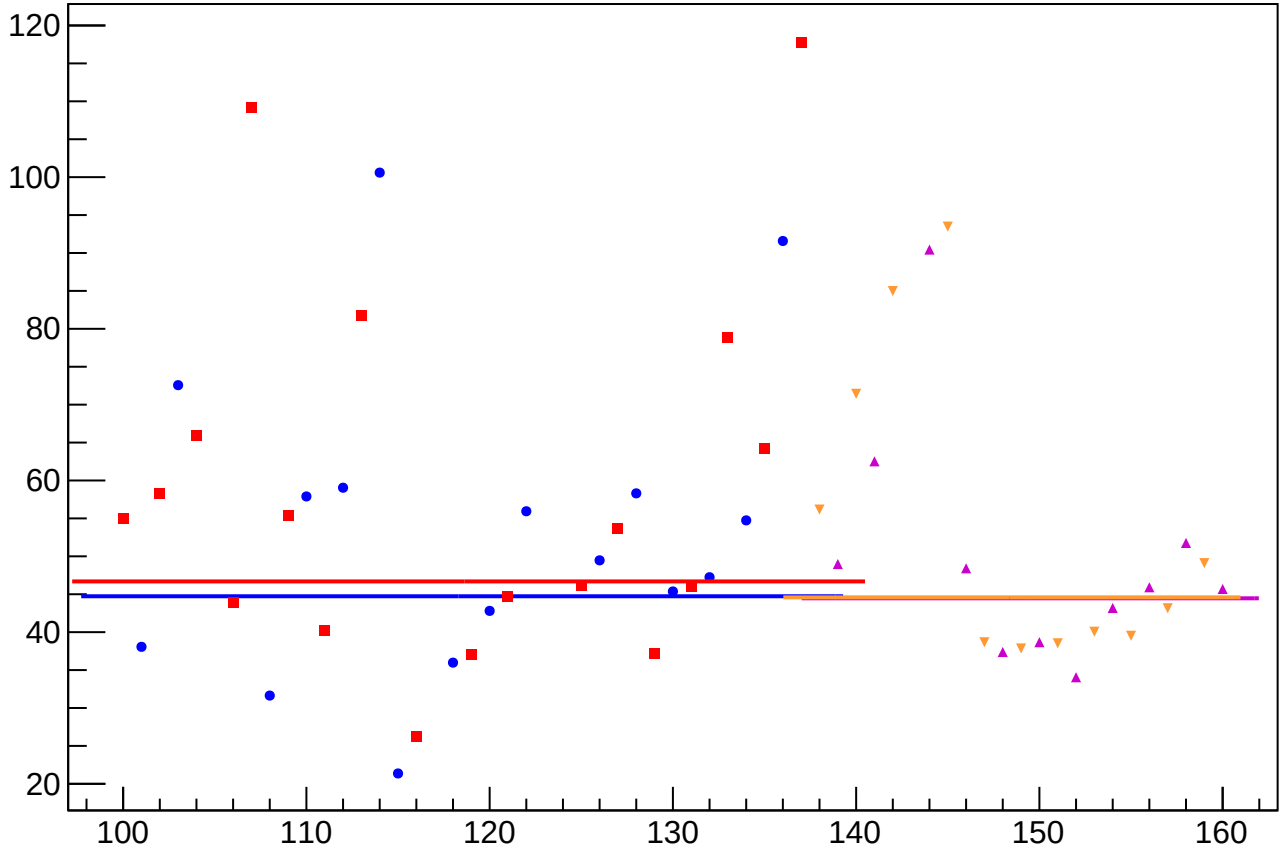
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/55

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: 44.464+/-0.011 χ^2/NDF:870649.5/10

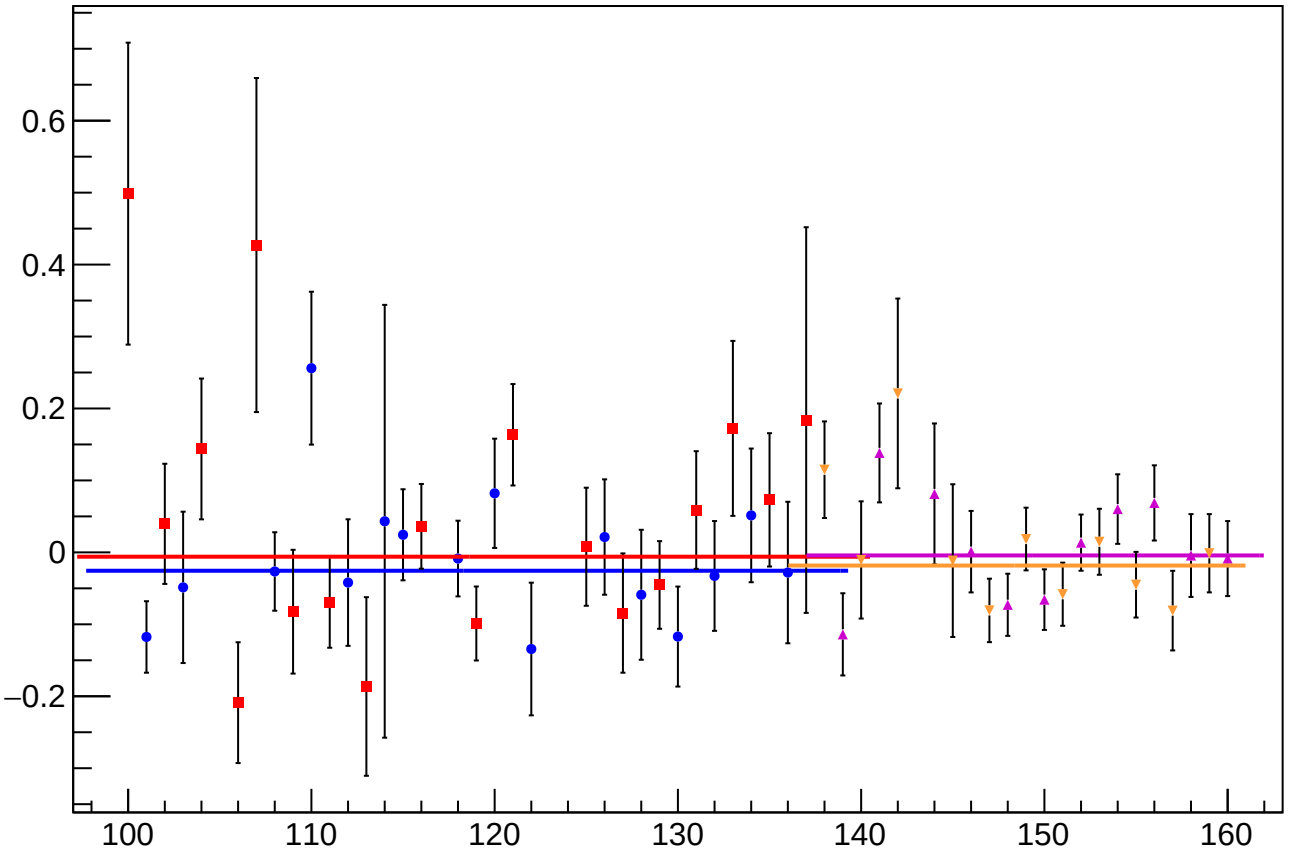
Left: 44.522+/-0.008 χ^2/NDF: 1940478.0/21

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.573+/-0.008 χ^2/NDF:2205436.2/26

Out: 45.467+/-0.009 χ^2/NDF:2278909.7/28

All: 44.999+/-0.006 χ^2/NDF: 4489673.0/55



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:17.3/10

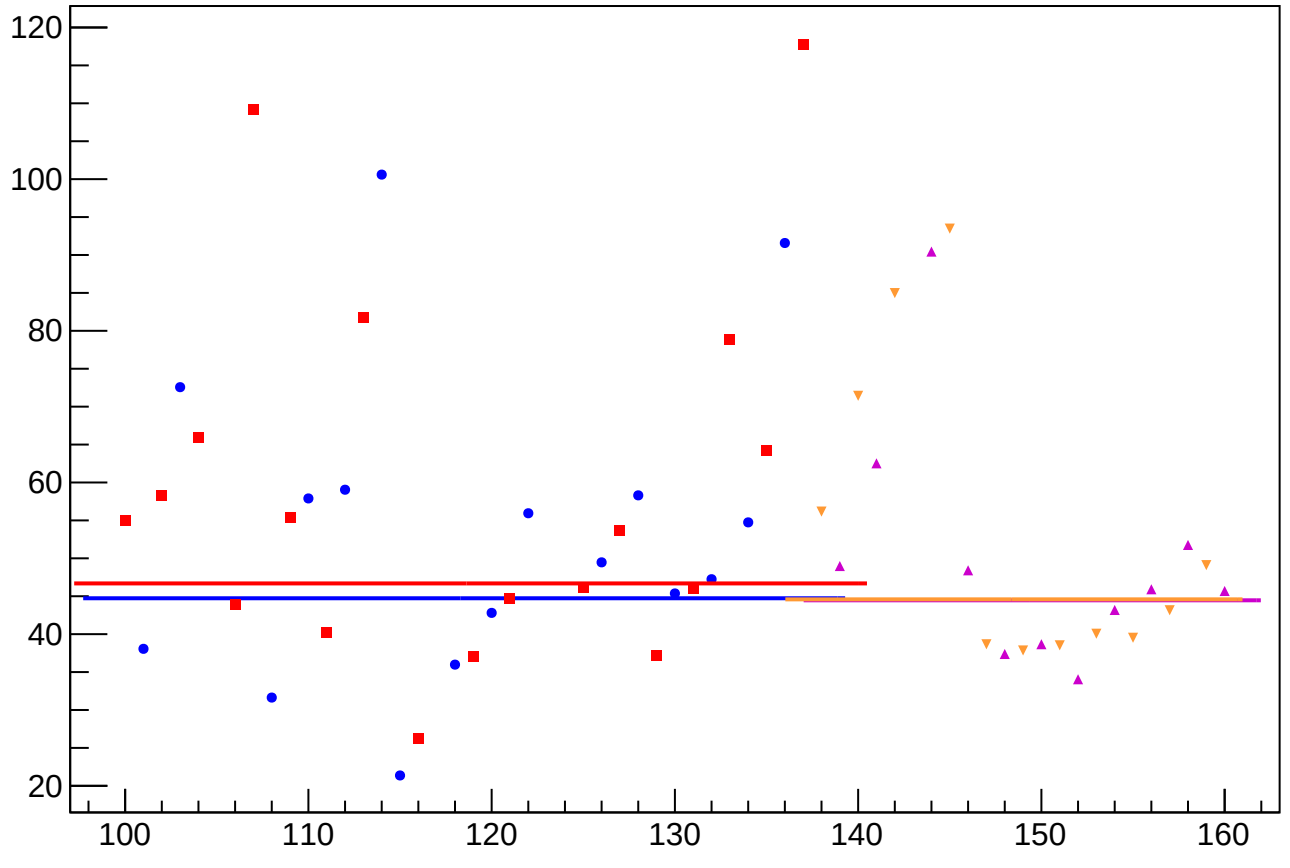
Left: -0.011+/-0.011 χ^2/NDF: 30.8/21

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/55



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: 44.464+/-0.011 χ^2/NDF:870649.5/10

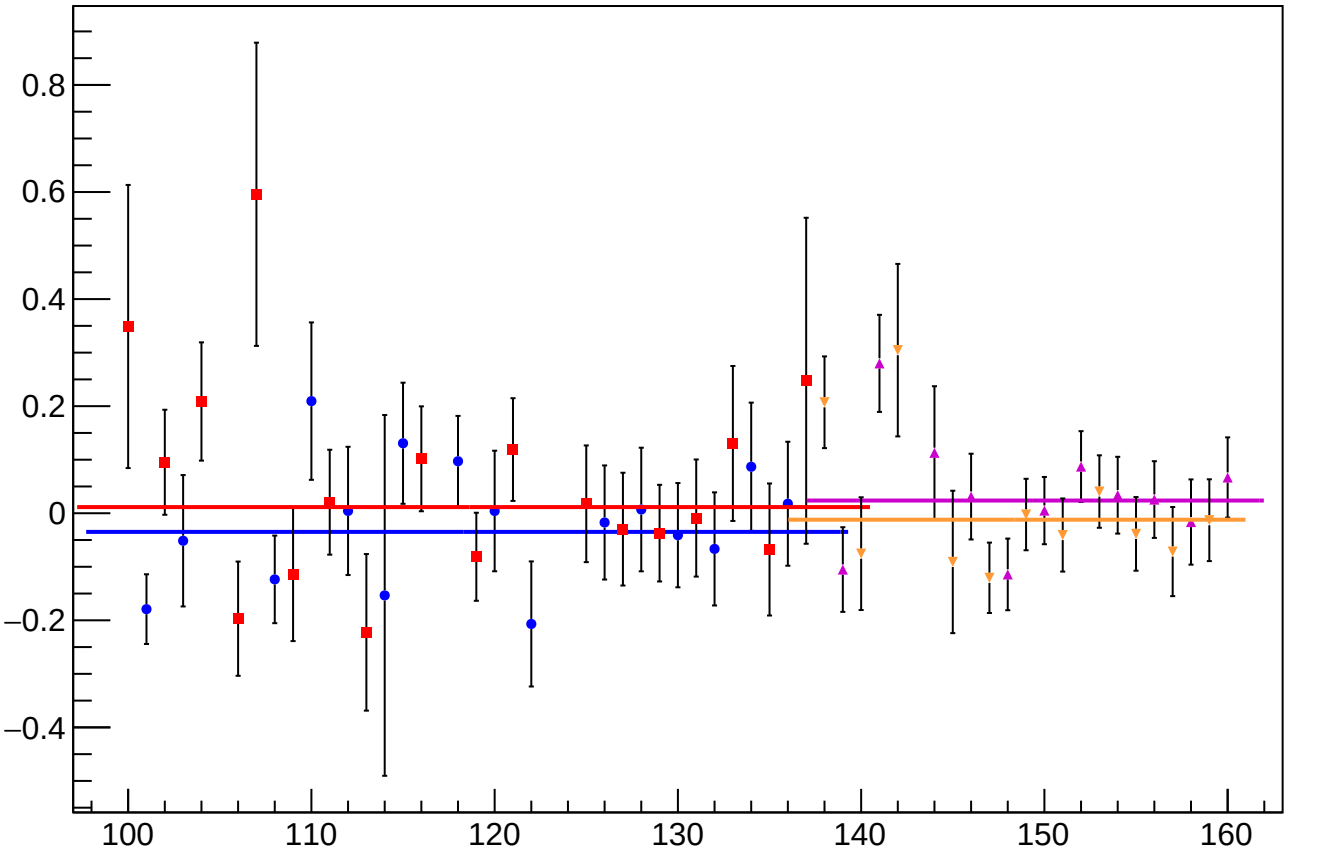
Left: 44.522+/-0.008 χ^2/NDF: 1940478.0/21

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.573+/-0.008 χ^2/NDF:2205436.2/26

Out: 45.467+/-0.009 χ^2/NDF:2278909.7/28

All: 44.999+/-0.006 χ^2/NDF: 4489673.0/55



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: 0.024+/-0.023 χ^2/NDF:17.0/10

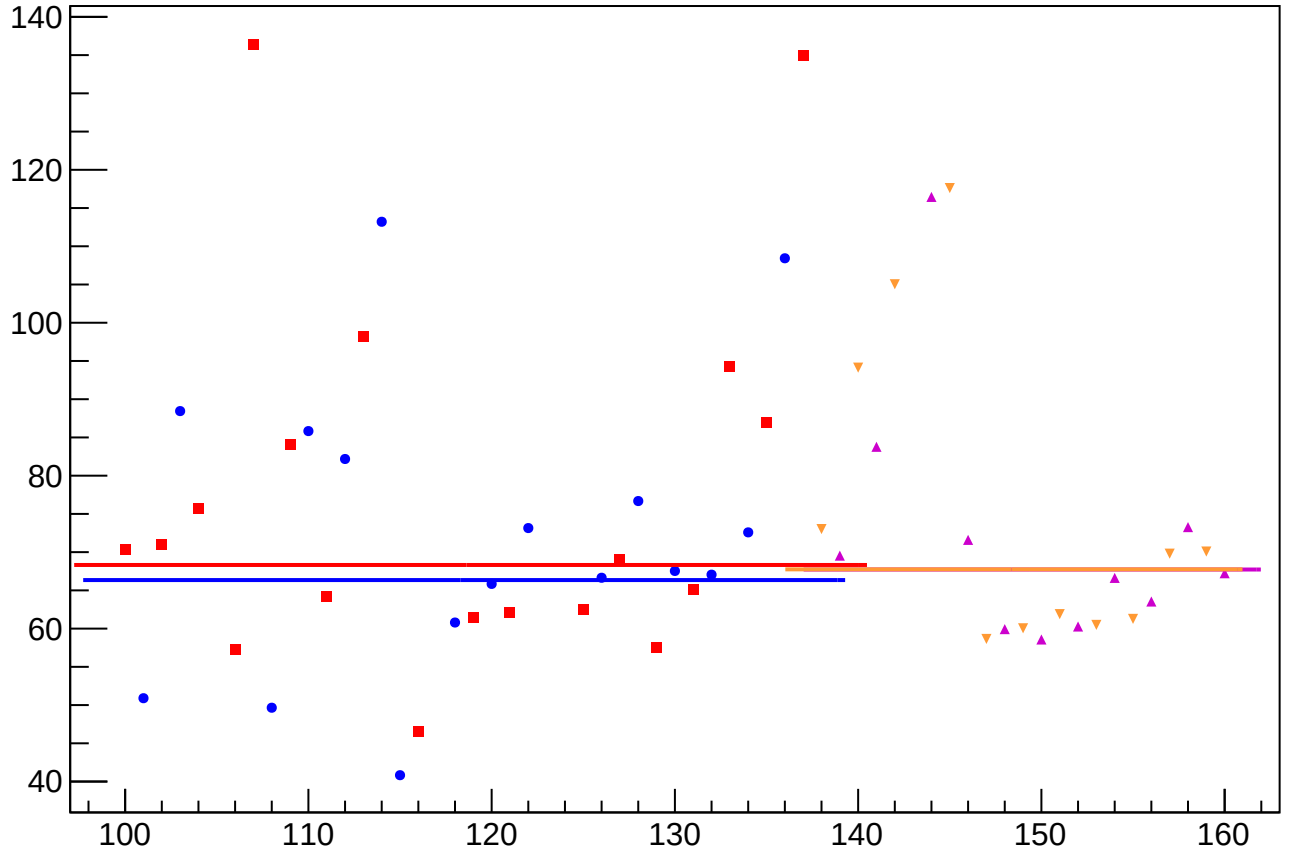
Left: 0.007+/-0.017 χ^2/NDF: 33.5/21

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.001+/-0.017 χ^2/NDF:37.3/26

Out: -0.002+/-0.018 χ^2/NDF:38.5/28

All: -0.001+/-0.012 χ^2/NDF: 75.8/55



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: 67.727+/-0.016 χ^2/NDF:487825.6/10

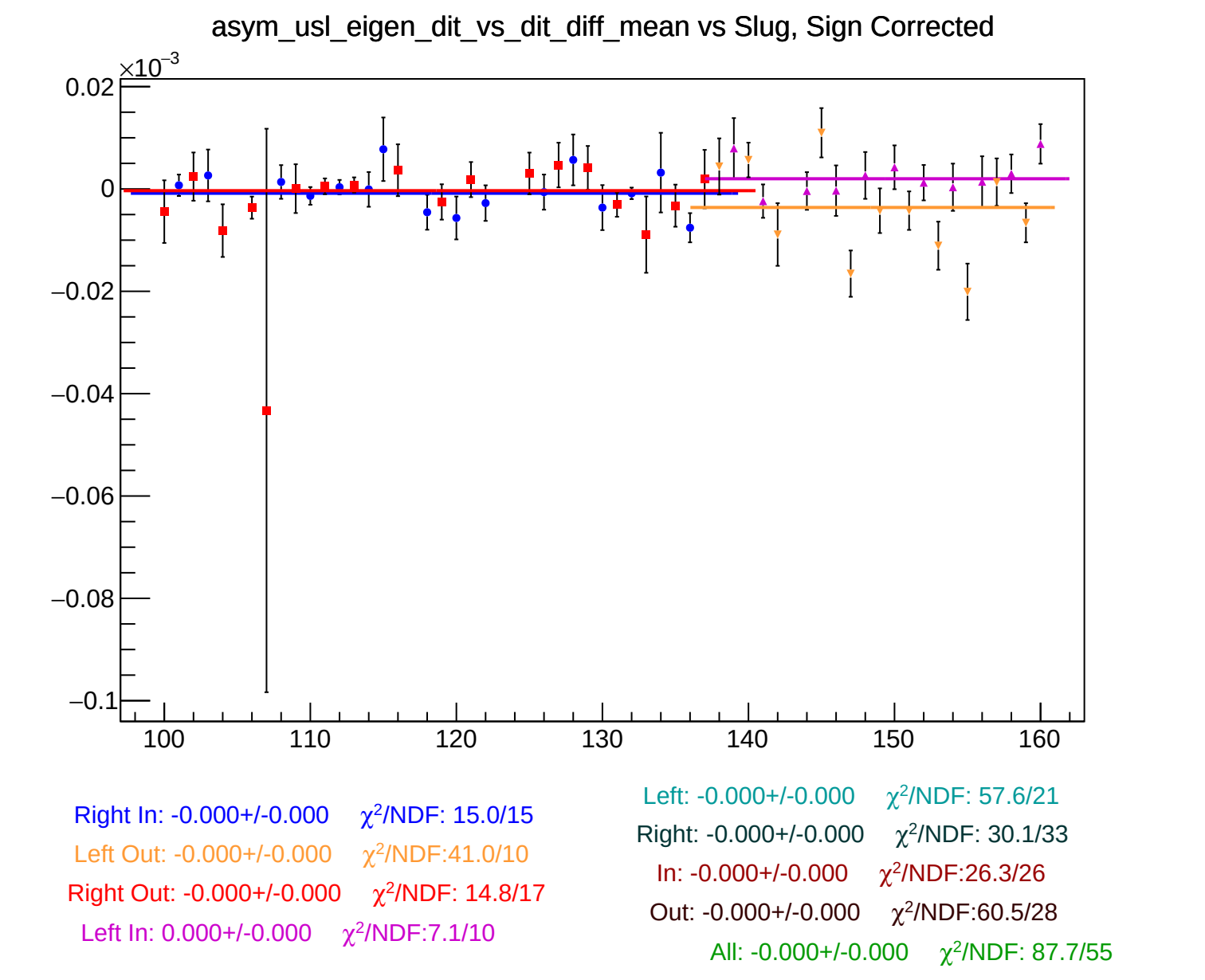
Left: 67.738+/-0.012 χ^2/NDF: 1132723.0/21

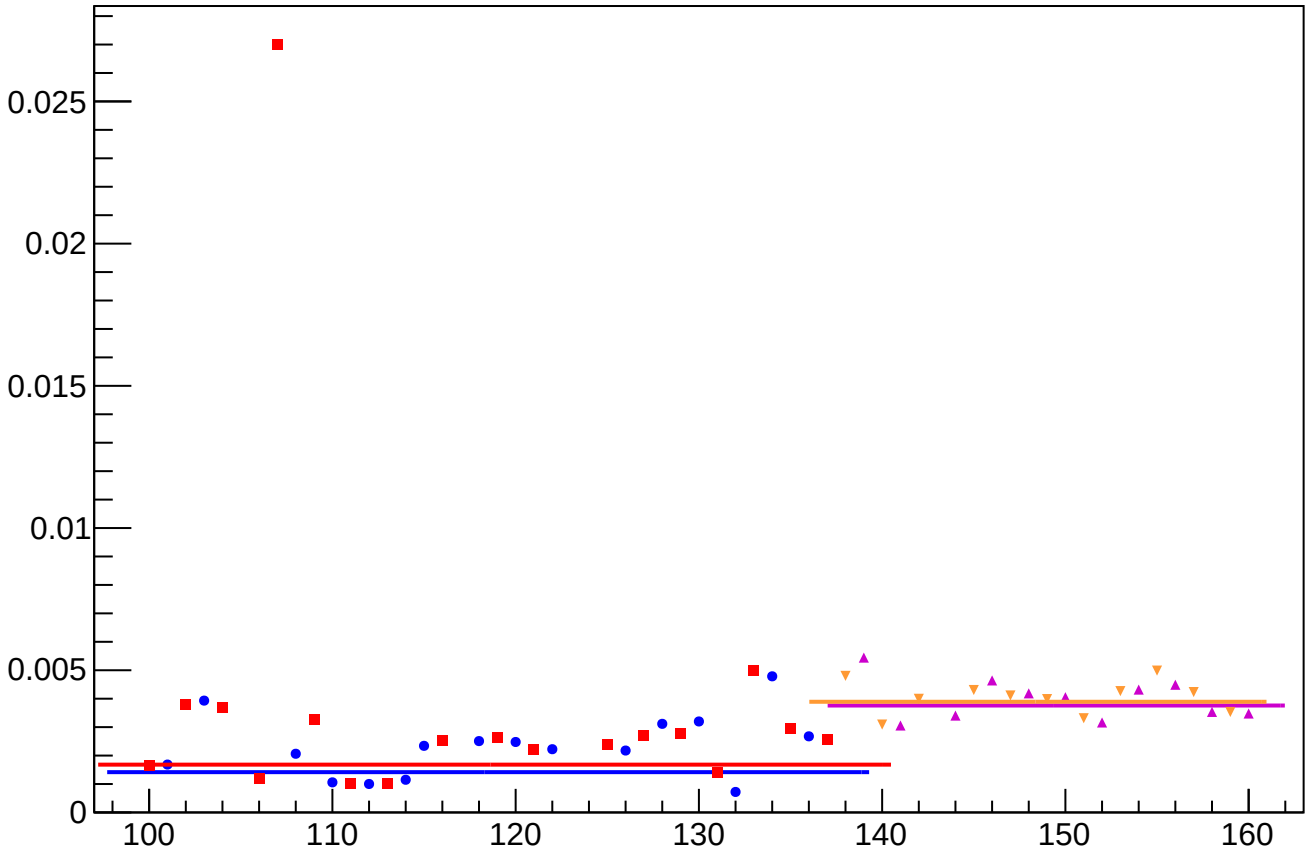
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.136+/-0.012 χ^2/NDF:1263627.8/26

Out: 68.003+/-0.013 χ^2/NDF:1275070.4/28

All: 67.552+/-0.009 χ^2/NDF: 2541136.3/55


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:7.1/10
Left: -0.000+/-0.000 χ²/NDF: 57.6/21
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:26.3/26
Out: -0.000+/-0.000 χ²/NDF:60.5/28
All: -0.000+/-0.000 χ²/NDF: 87.7/55



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:513737.0/10

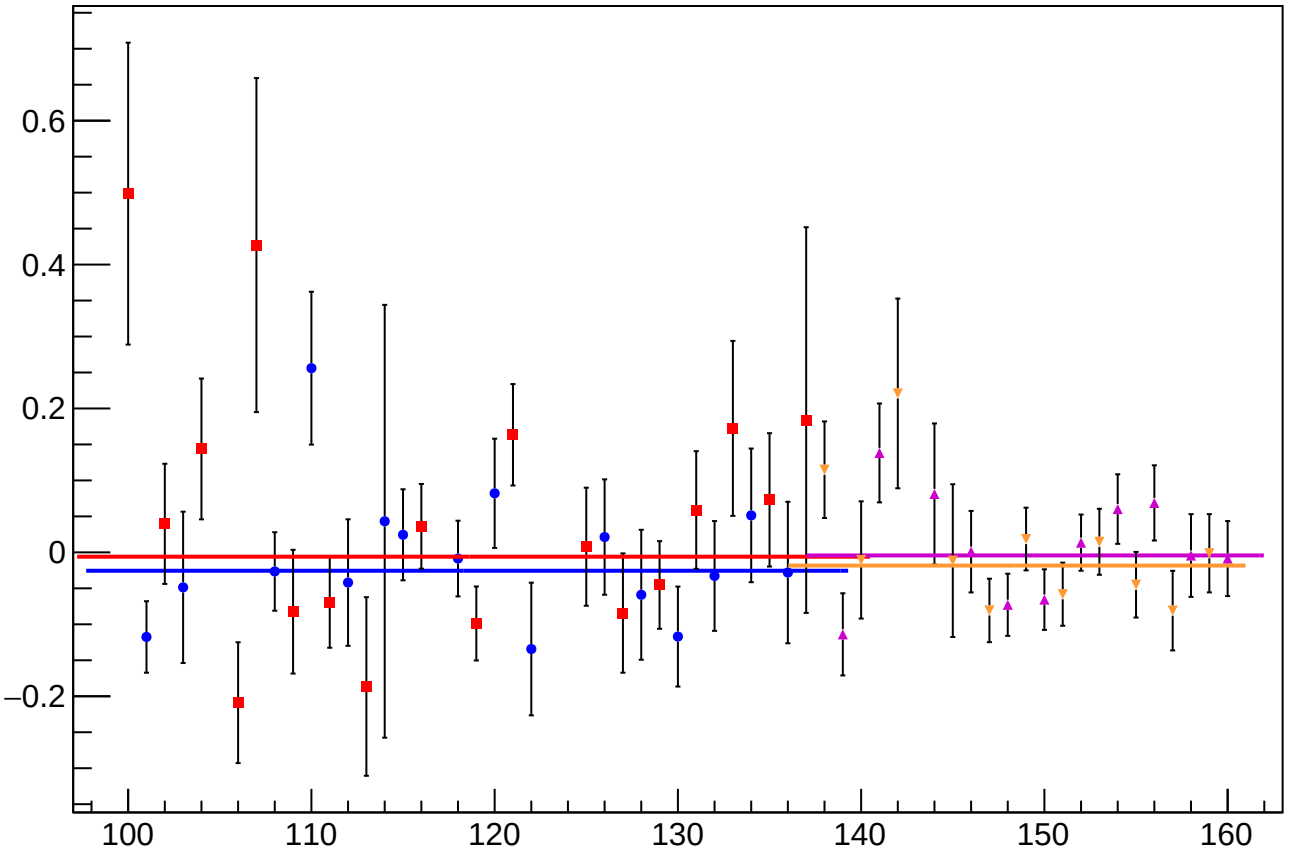
Left: 0.004+/-0.000 χ^2/NDF: 880079.5/21

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:9770218.5/26

Out: 0.002+/-0.000 χ^2/NDF:7988058.0/28

All: 0.002+/-0.000 χ^2/NDF: 18012497.1/55



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:17.3/10

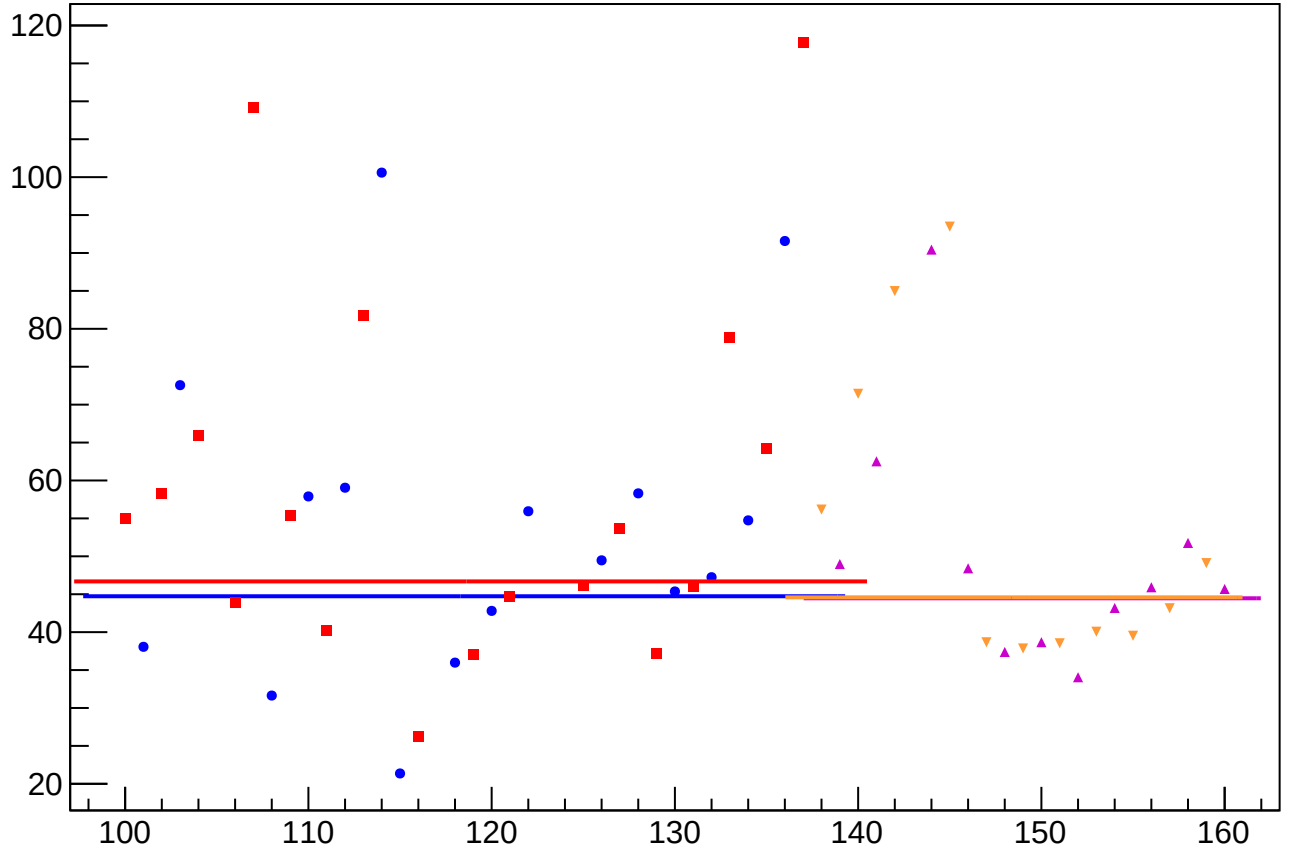
Left: -0.011+/-0.011 χ^2/NDF: 30.8/21

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.013+/-0.013 χ^2/NDF:49.8/28

All: -0.013+/-0.009 χ^2/NDF: 85.5/55



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: 44.464+/-0.011 χ^2/NDF:870627.5/10

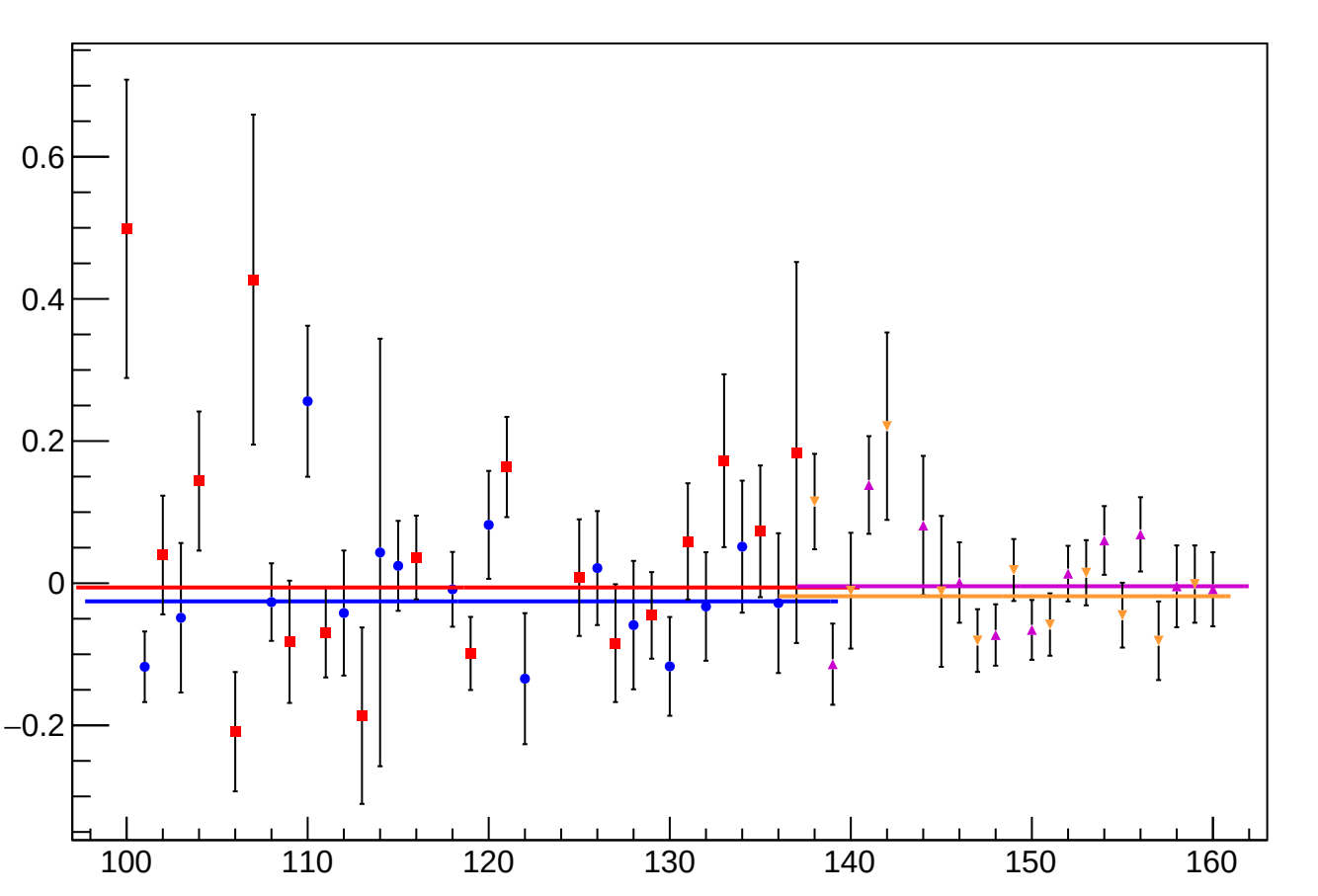
Left: 44.523+/-0.008 χ^2/NDF: 1940416.2/21

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

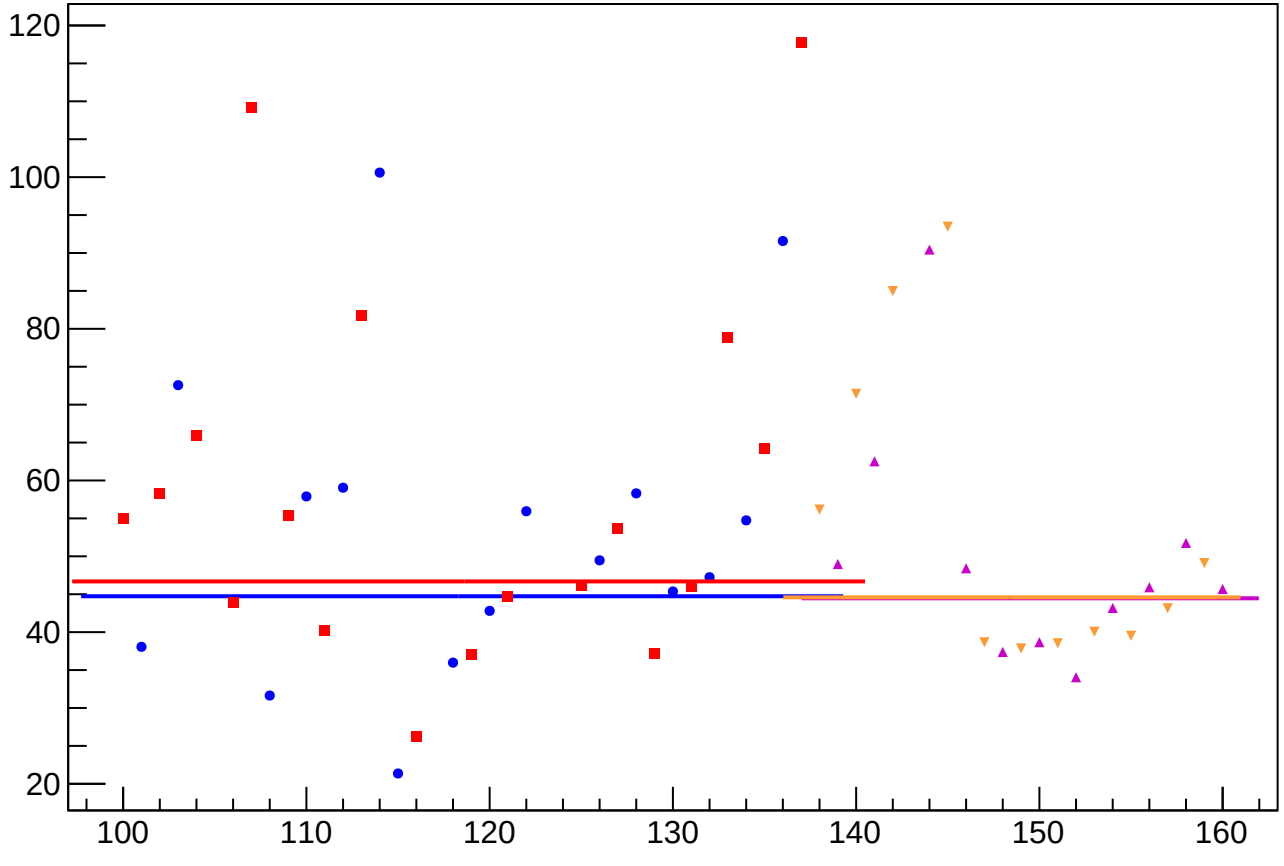
In: 44.573+/-0.008 χ^2/NDF:2205474.0/26

Out: 45.467+/-0.009 χ^2/NDF:2278892.9/28

All: 44.999+/-0.006 χ^2/NDF: 4489694.0/55


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.018+/-0.016 χ²/NDF:13.0/10
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.004+/-0.016 χ²/NDF:17.3/10
Left: -0.011+/-0.011 χ²/NDF: 30.8/21
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.013+/-0.012 χ²/NDF:35.7/26
Out: -0.013+/-0.013 χ²/NDF:49.8/28
All: -0.013+/-0.009 χ²/NDF: 85.5/55

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: 44.464+/-0.011 χ^2/NDF:870627.5/10

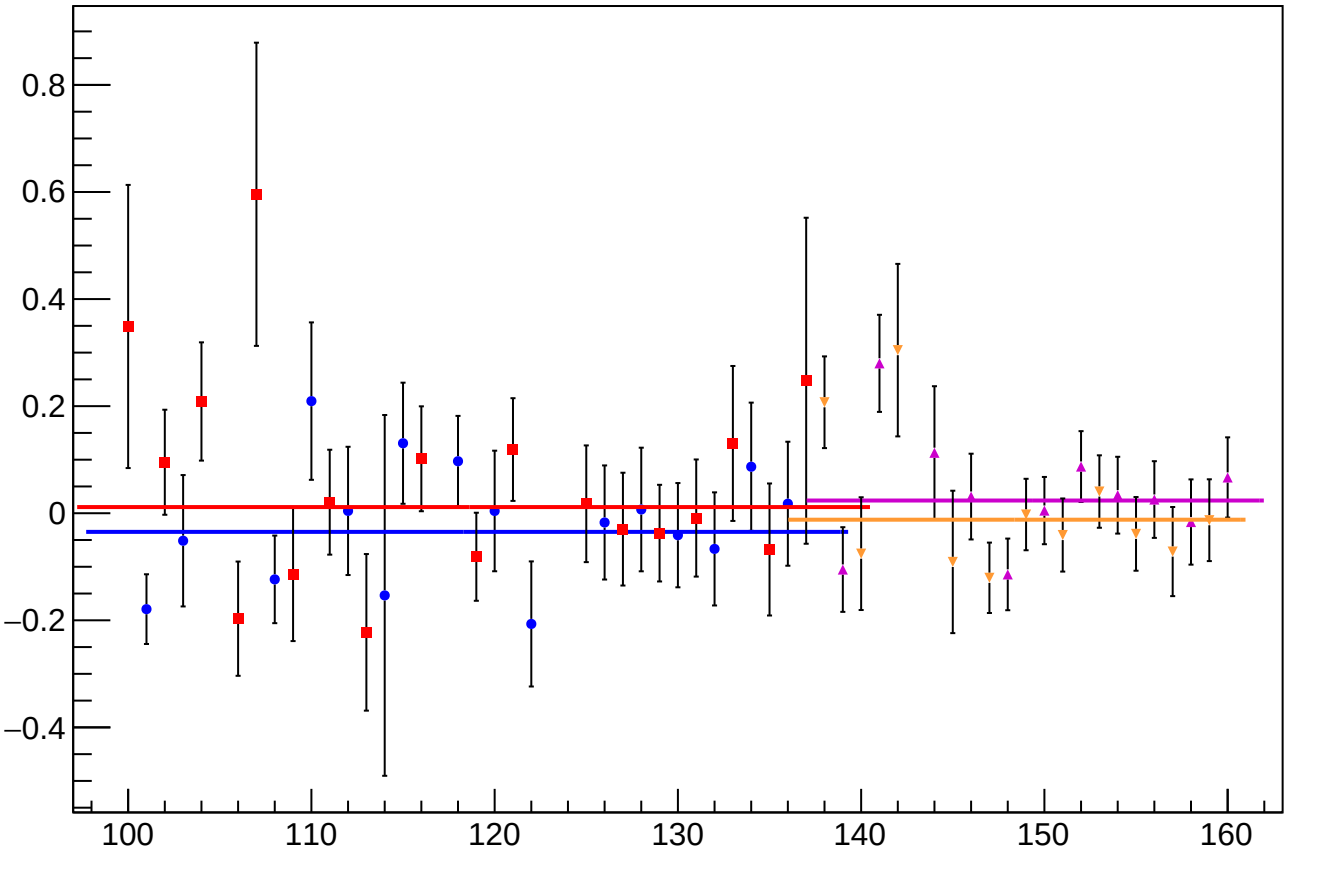
Left: 44.523+/-0.008 χ^2/NDF: 1940416.2/21

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.573+/-0.008 χ^2/NDF:2205474.0/26

Out: 45.467+/-0.009 χ^2/NDF:2278892.9/28

All: 44.999+/-0.006 χ^2/NDF: 4489694.0/55



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: 0.024+/-0.023 χ^2/NDF:17.0/10

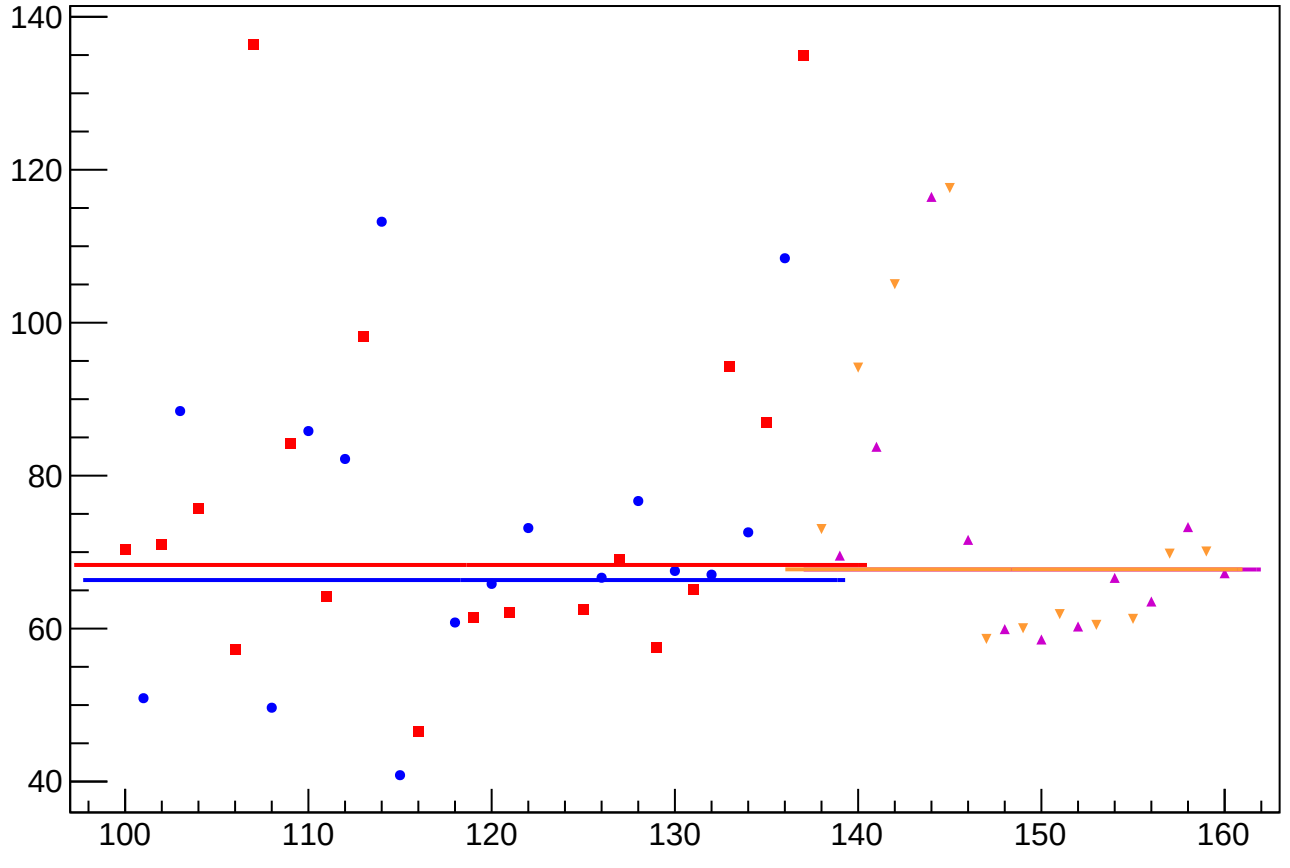
Left: 0.007+/-0.017 χ^2/NDF: 33.5/21

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.001+/-0.017 χ^2/NDF:37.3/26

Out: -0.002+/-0.018 χ^2/NDF:38.5/28

All: -0.001+/-0.012 χ^2/NDF: 75.8/55



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: 67.727+/-0.016 χ^2/NDF:487817.1/10

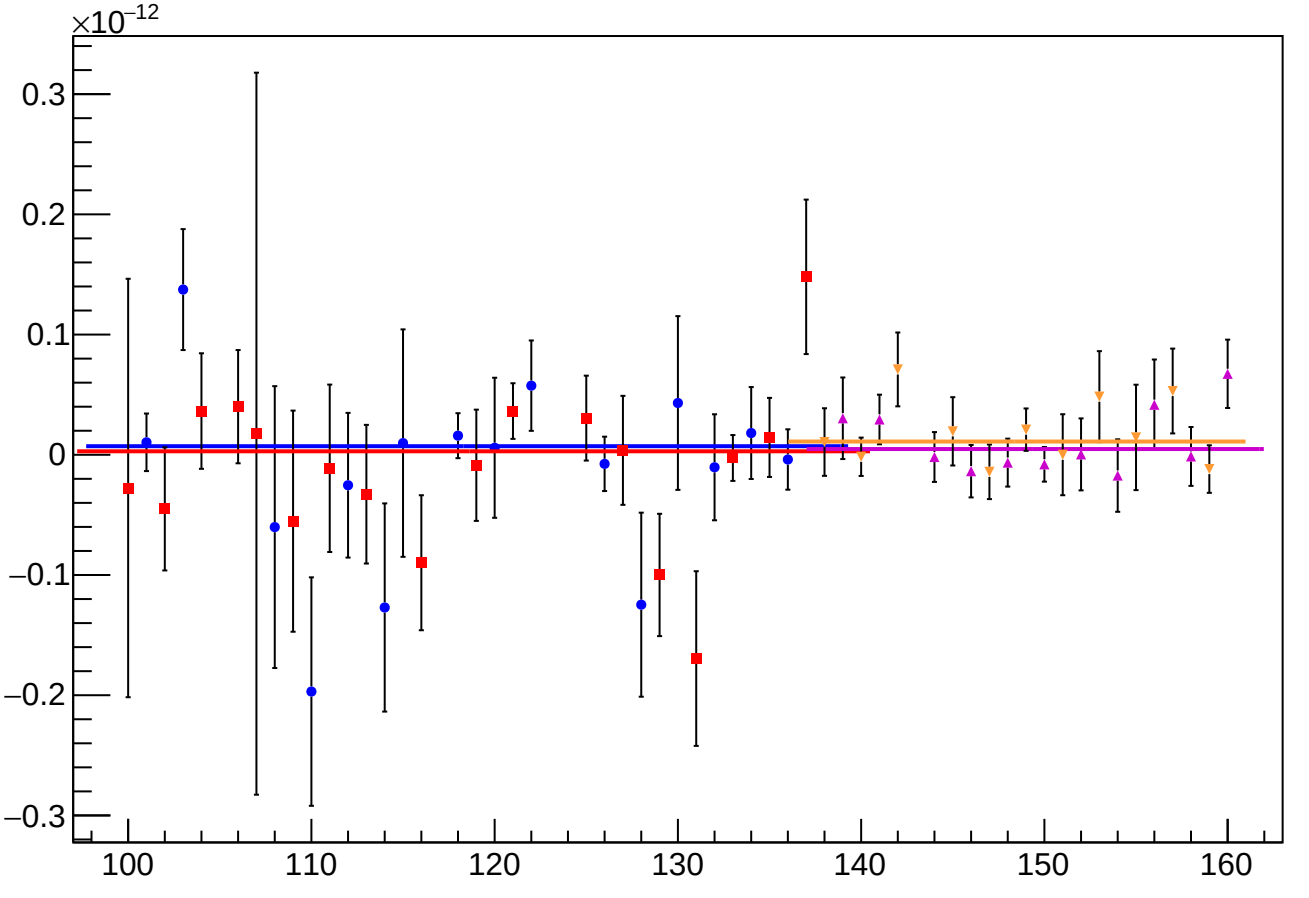
Left: 67.738+/-0.012 χ^2/NDF: 1132700.0/21

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.136+/-0.012 χ^2/NDF:1263629.6/26

Out: 68.003+/-0.013 χ^2/NDF:1275050.1/28

All: 67.552+/-0.009 χ^2/NDF: 2541117.3/55



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:10.3/10

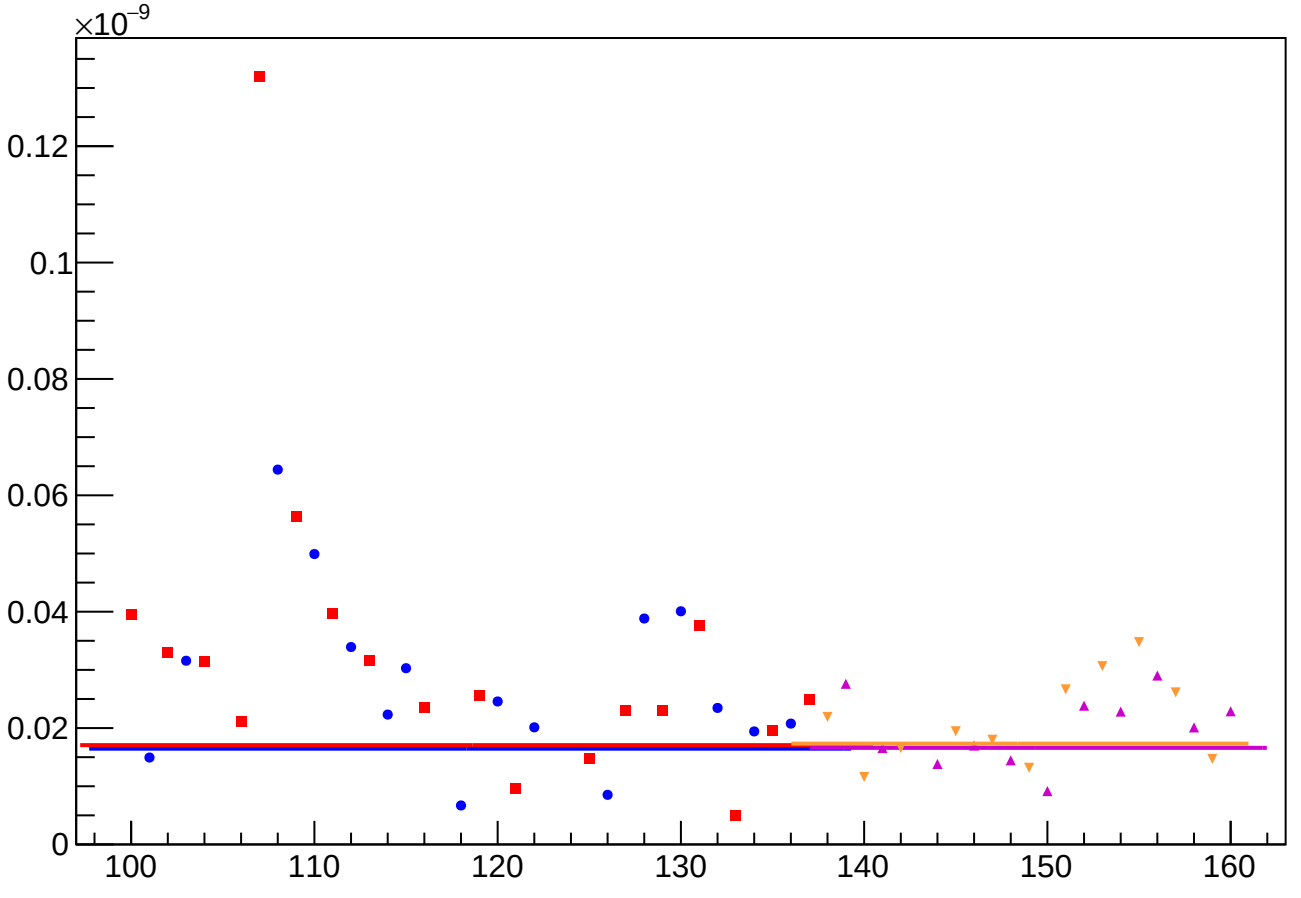
Left: 0.000+/-0.000 χ^2/NDF: 20.6/21

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:30.8/26

Out: 0.000+/-0.000 χ^2/NDF:33.7/28

All: 0.000+/-0.000 χ^2/NDF: 64.6/55



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:1362385.2/10

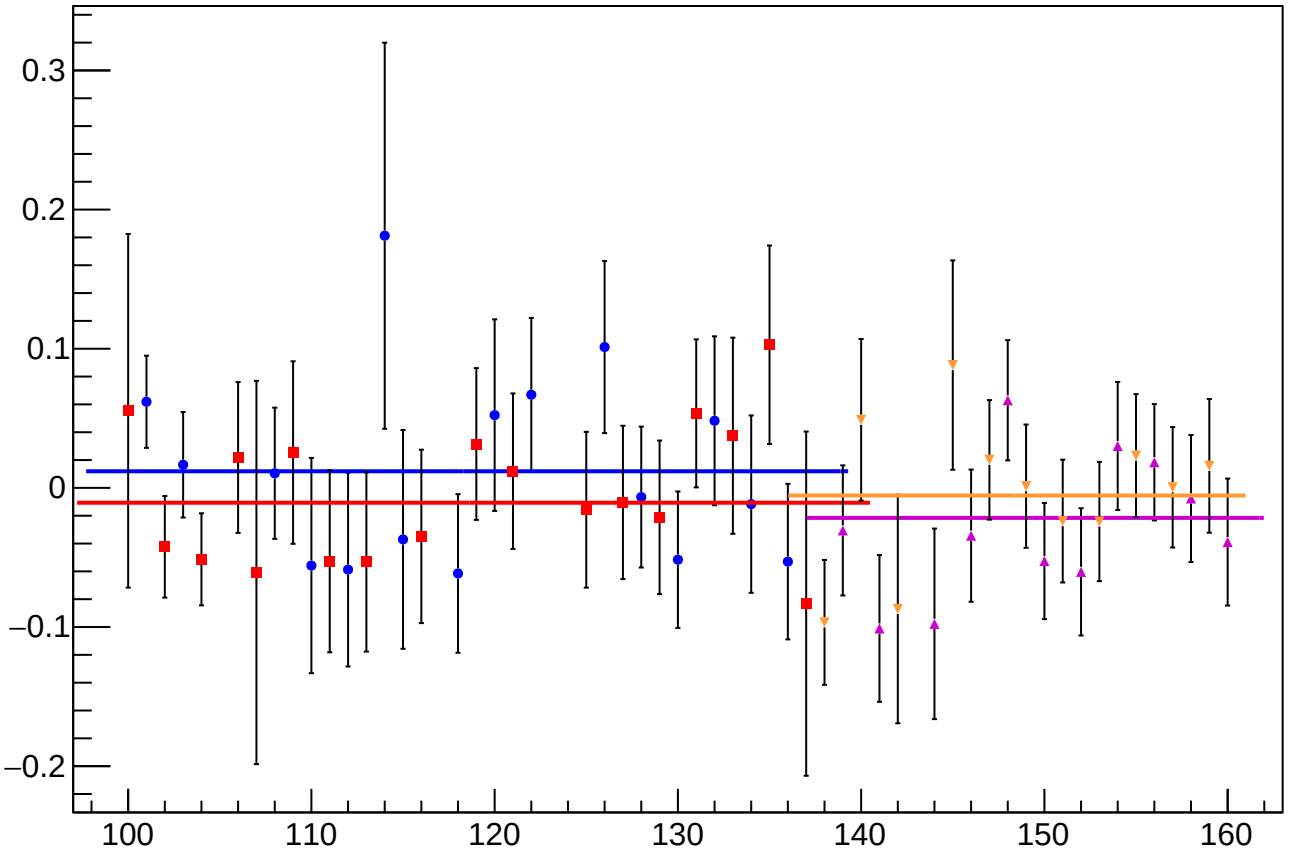
Left: 0.000+/-0.000 χ^2/NDF: 2686018.5/21

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3708562.9/26

Out: 0.000+/-0.000 χ^2/NDF:4105702.8/28

All: 0.000+/-0.000 χ^2/NDF: 7828364.0/55



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: -0.022+/-0.014 χ^2/NDF:11.1/10

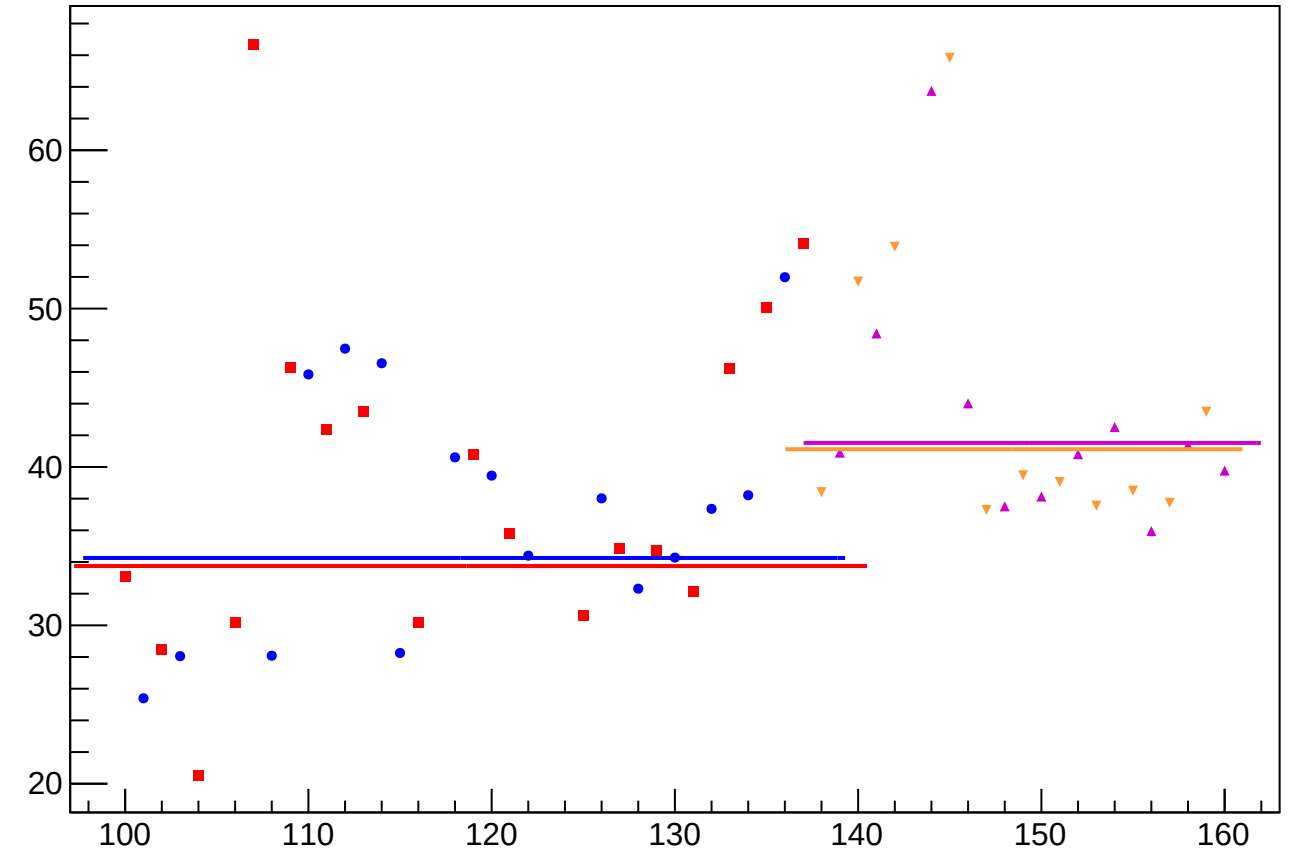
Left: -0.014+/-0.010 χ^2/NDF: 20.7/21

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.004+/-0.010 χ^2/NDF:28.8/26

Out: -0.008+/-0.010 χ^2/NDF:18.9/28

All: -0.006+/-0.007 χ^2/NDF: 47.8/55



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: 41.520+/-0.010 χ^2/NDF:321247.9/10

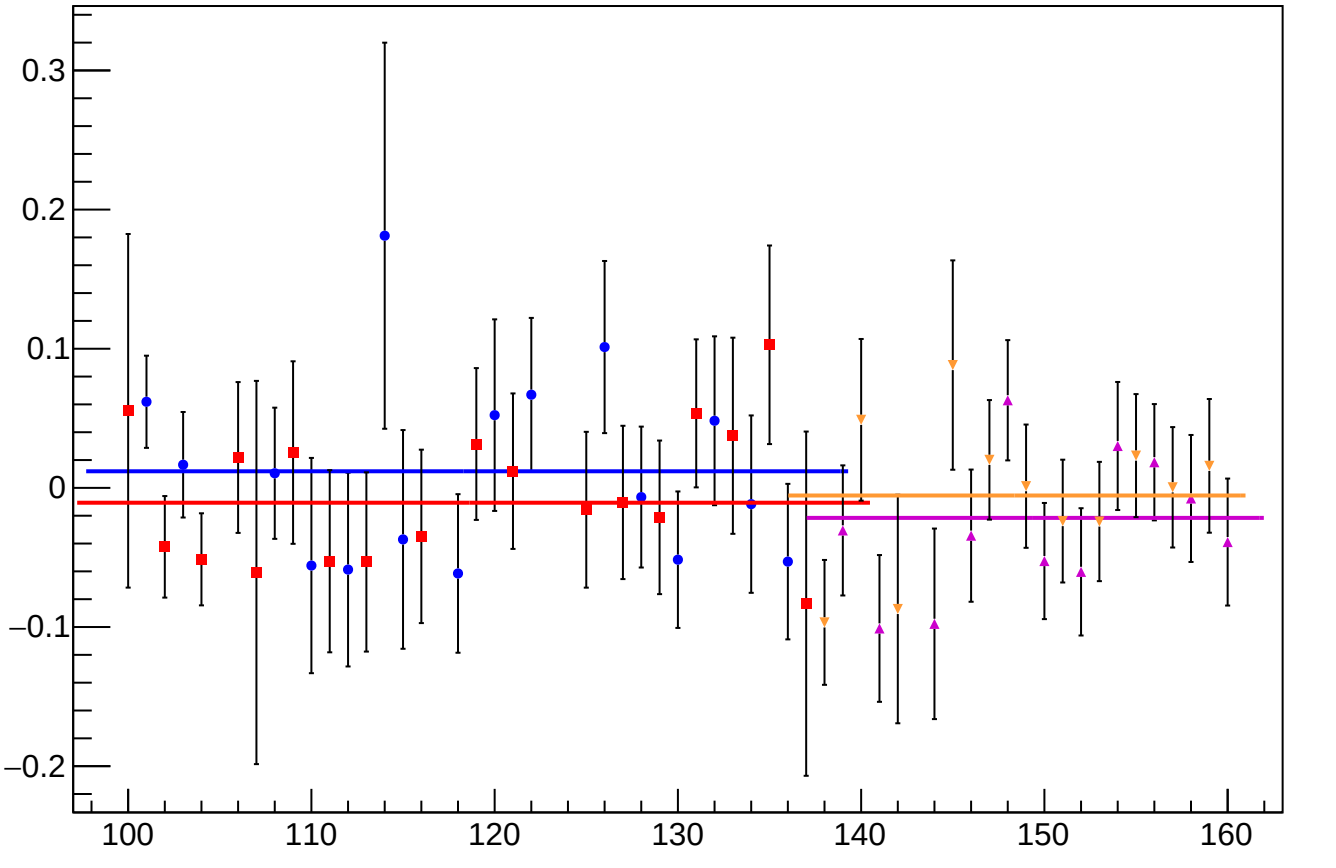
Left: 41.329+/-0.007 χ^2/NDF: 720966.1/21

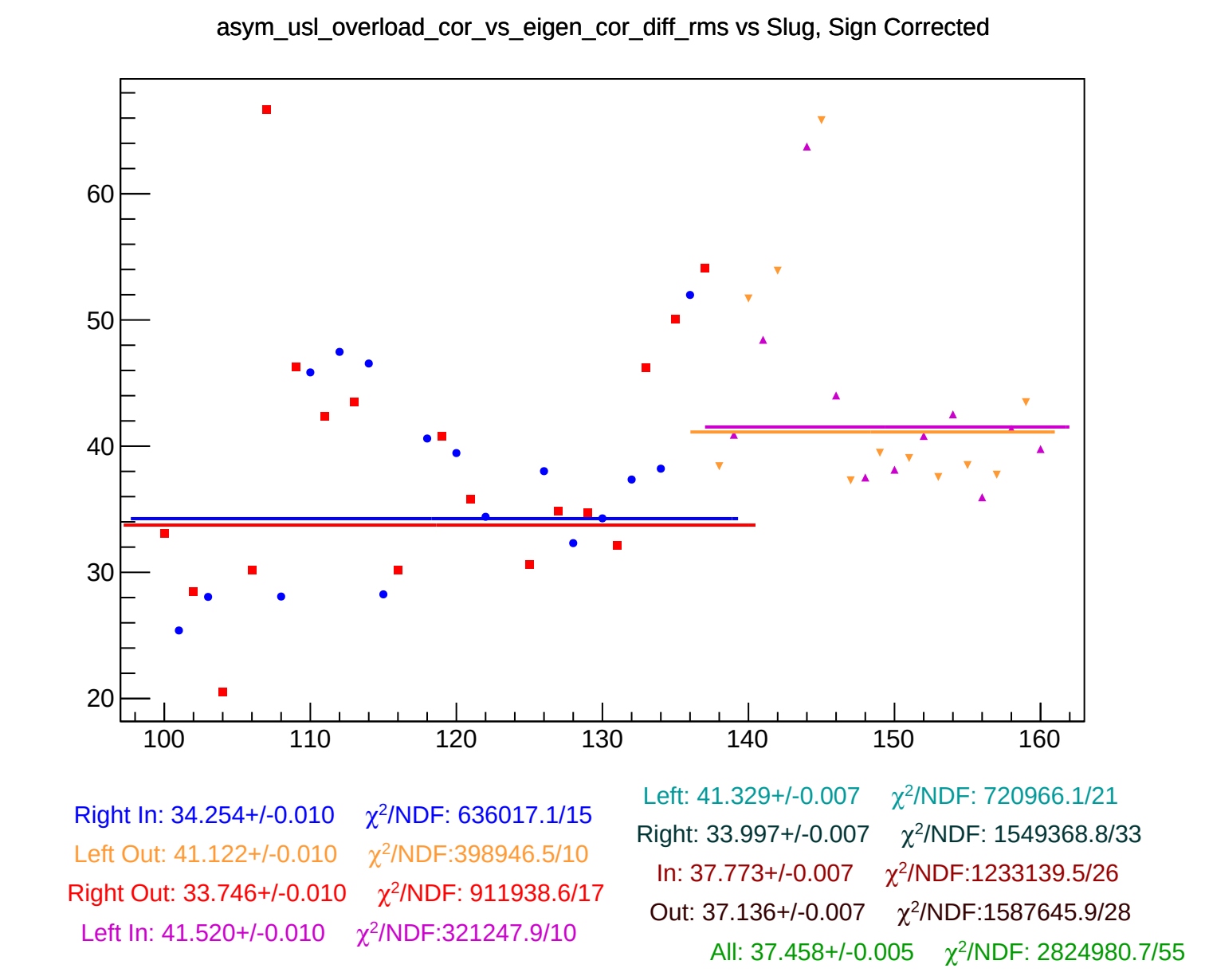
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.773+/-0.007 χ^2/NDF:1233139.5/26

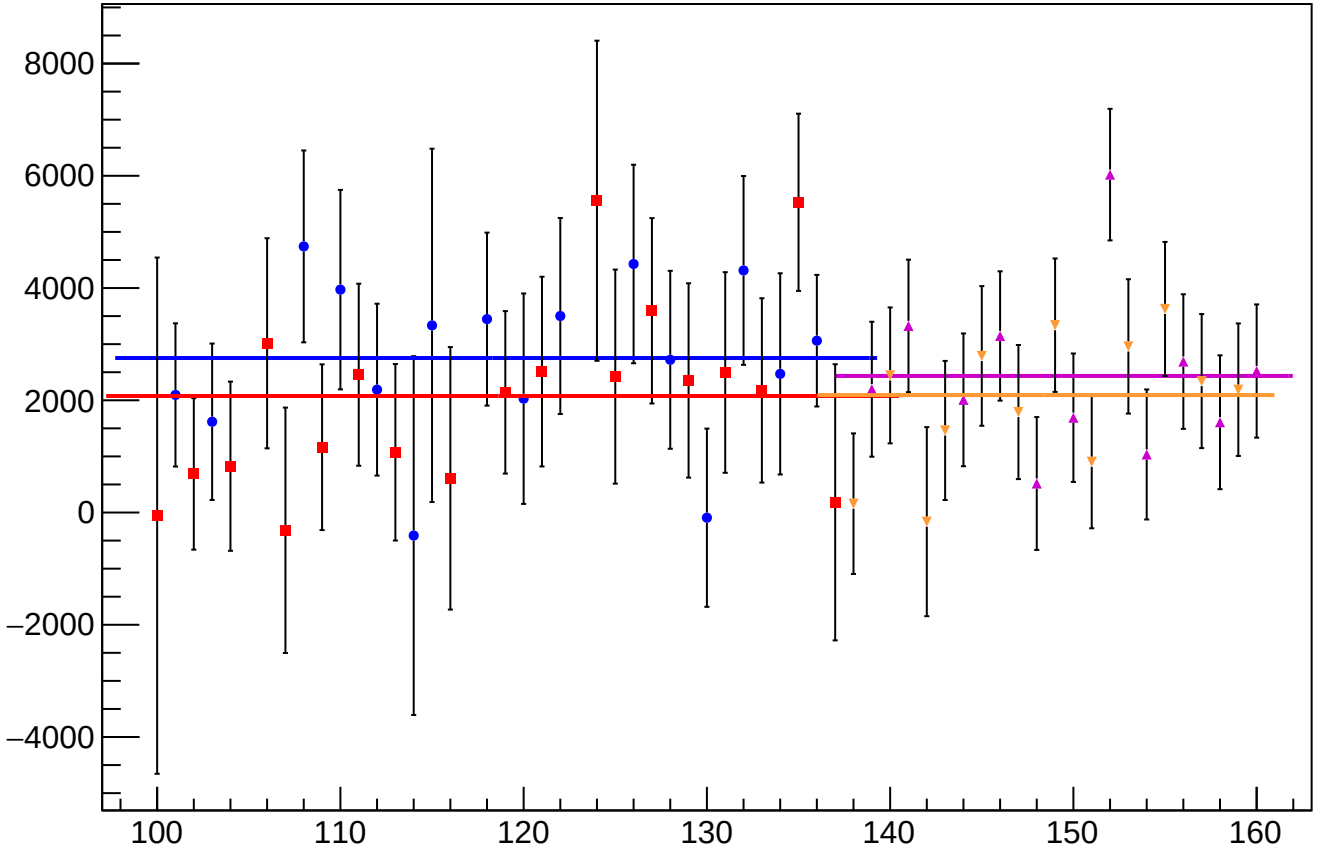
Out: 37.136+/-0.007 χ^2/NDF:1587645.9/28

All: 37.458+/-0.005 χ^2/NDF: 2824980.7/55


asym_usl_overload_cor_vs_eigen_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: -0.022+/-0.014 χ²/NDF:11.1/10
Left: -0.014+/-0.010 χ²/NDF: 20.7/21
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.010 χ²/NDF:28.8/26
Out: -0.008+/-0.010 χ²/NDF:18.9/28
All: -0.006+/-0.007 χ²/NDF: 47.8/55


asym_usl_overload_cor_vs_eigen_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: 41.520+/-0.010 χ²/NDF:321247.9/10
Left: 41.329+/-0.007 χ²/NDF: 720966.1/21
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.773+/-0.007 χ²/NDF:1233139.5/26
Out: 37.136+/-0.007 χ²/NDF:1587645.9/28
All: 37.458+/-0.005 χ²/NDF: 2824980.7/55

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: 2433.680+/-354.985 χ^2/NDF:15.5/10

Left: 2263.569+/-251.238 χ^2/NDF: 25.2/22

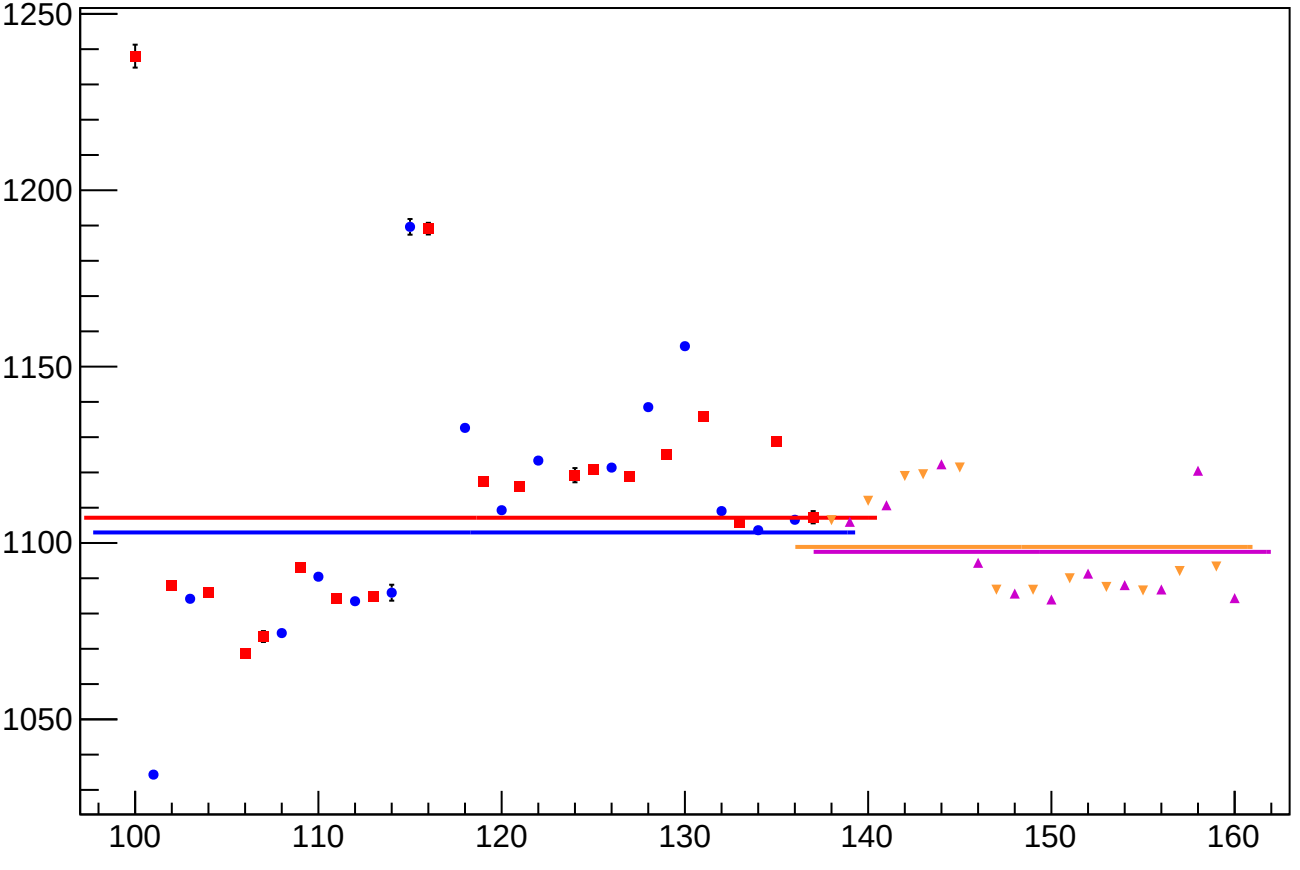
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2570.608+/-268.325 χ^2/NDF:25.4/26

Out: 2085.691+/-266.879 χ^2/NDF:21.8/30

All: 2326.840+/-189.221 χ^2/NDF: 48.8/57

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: 1097.485+/-0.251 χ^2/NDF:3058.0/10

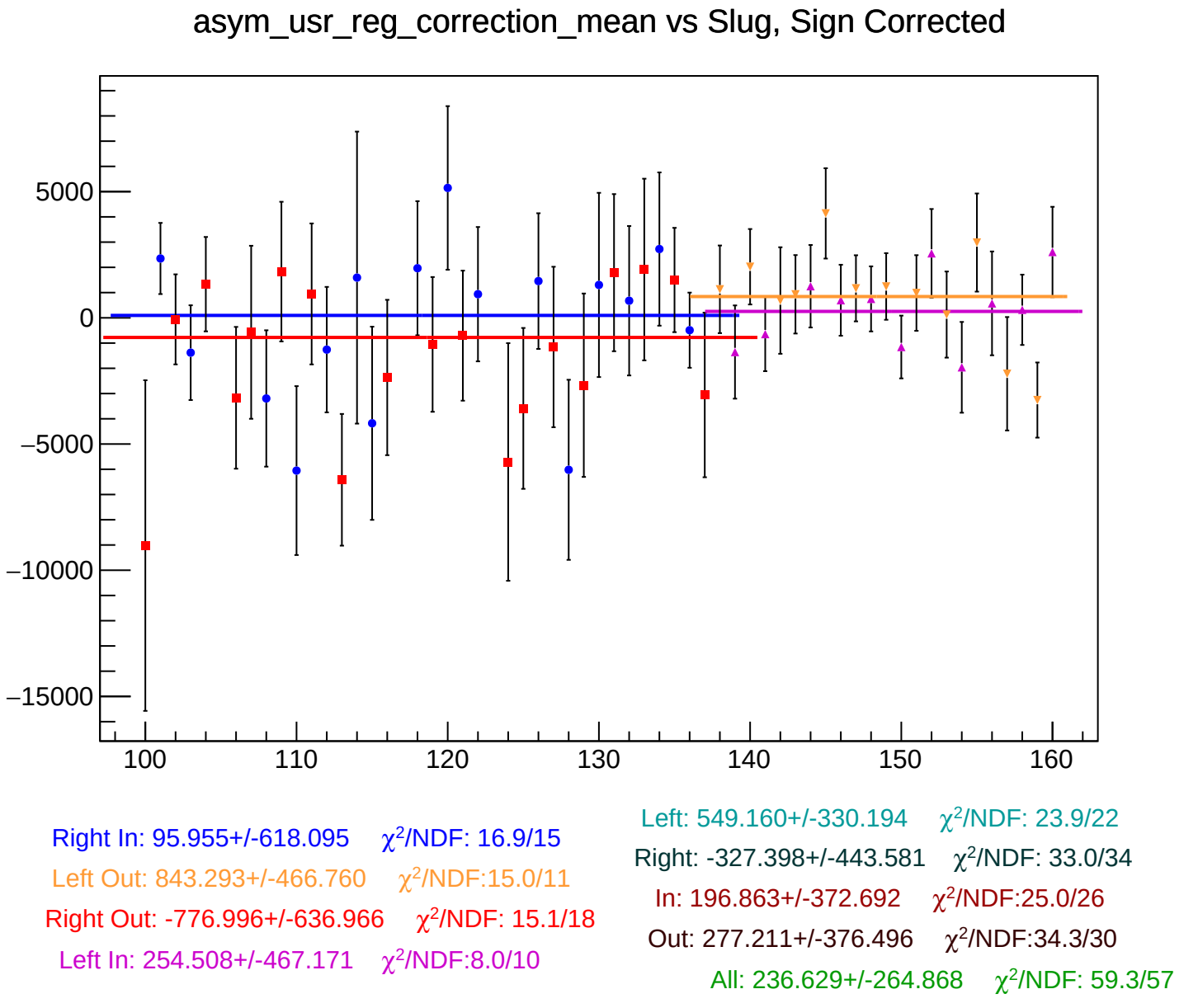
Left: 1098.184+/-0.178 χ^2/NDF: 5903.5/22

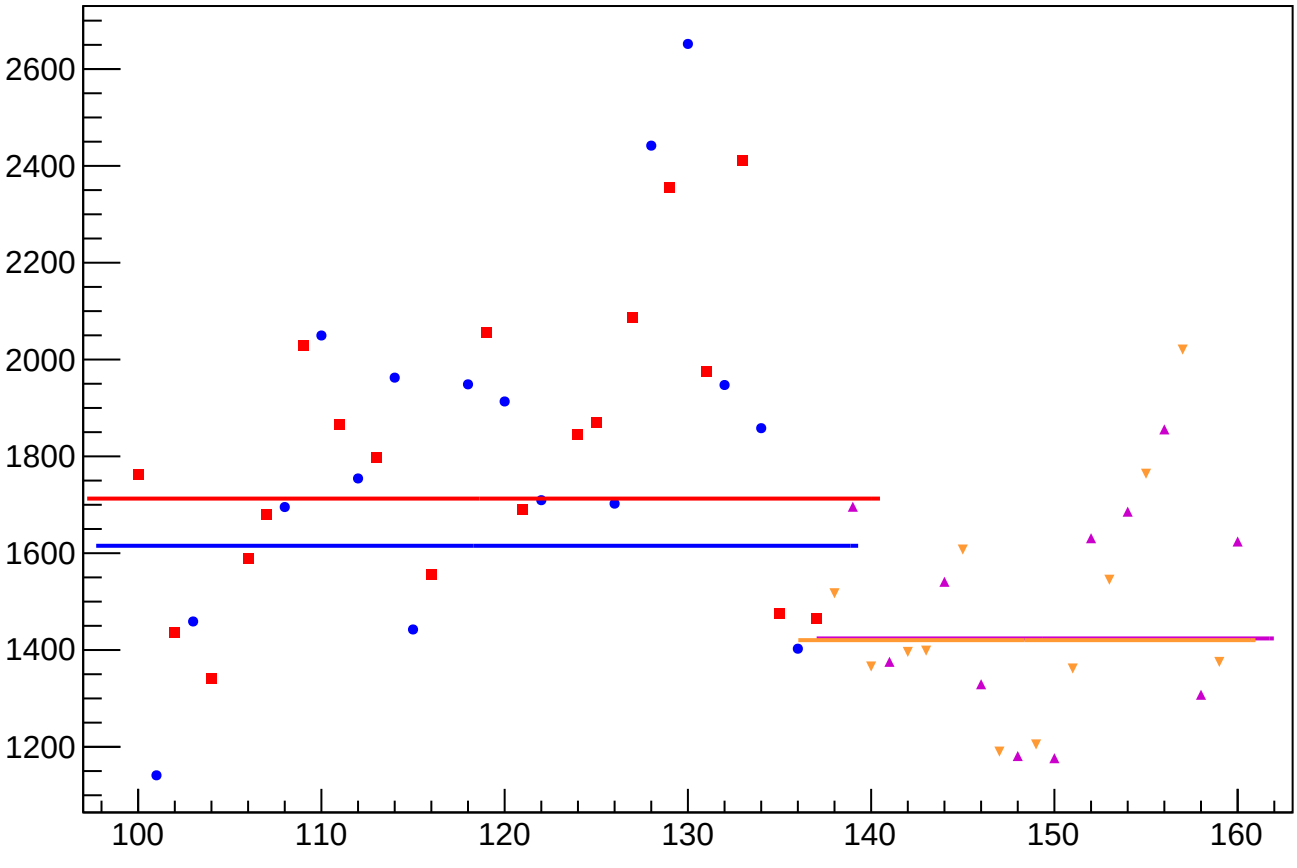
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1099.844+/-0.190 χ^2/NDF:16487.8/26

Out: 1102.500+/-0.189 χ^2/NDF:11986.2/30

All: 1101.179+/-0.134 χ^2/NDF: 28572.5/57


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 843.293+/-466.760 χ²/NDF:15.0/11
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 254.508+/-467.171 χ²/NDF:8.0/10
Left: 549.160+/-330.194 χ²/NDF: 23.9/22
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 196.863+/-372.692 χ²/NDF:25.0/26
Out: 277.211+/-376.496 χ²/NDF:34.3/30
All: 236.629+/-264.868 χ²/NDF: 59.3/57



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: 1423.931+/-0.330 χ^2/NDF:412280.6/10

Left: 1422.166+/-0.233 χ^2/NDF: 779624.1/22

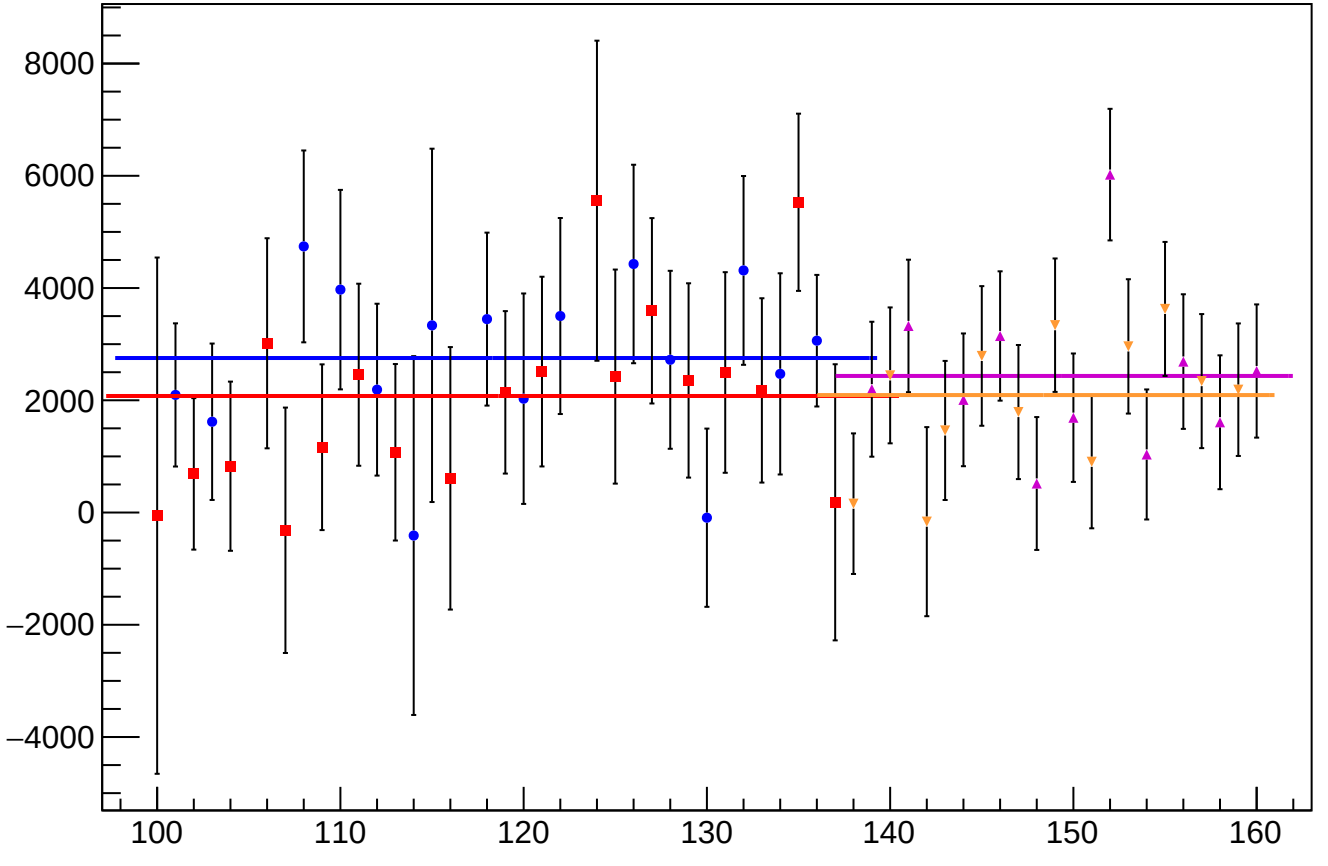
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1493.513+/-0.264 χ^2/NDF:1227944.5/26

Out: 1522.558+/-0.266 χ^2/NDF:1069552.1/30

All: 1507.888+/-0.187 χ^2/NDF: 2303508.3/57

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: 2433.680+/-354.985 χ^2/NDF:15.5/10

Left: 2263.569+/-251.238 χ^2/NDF: 25.2/22

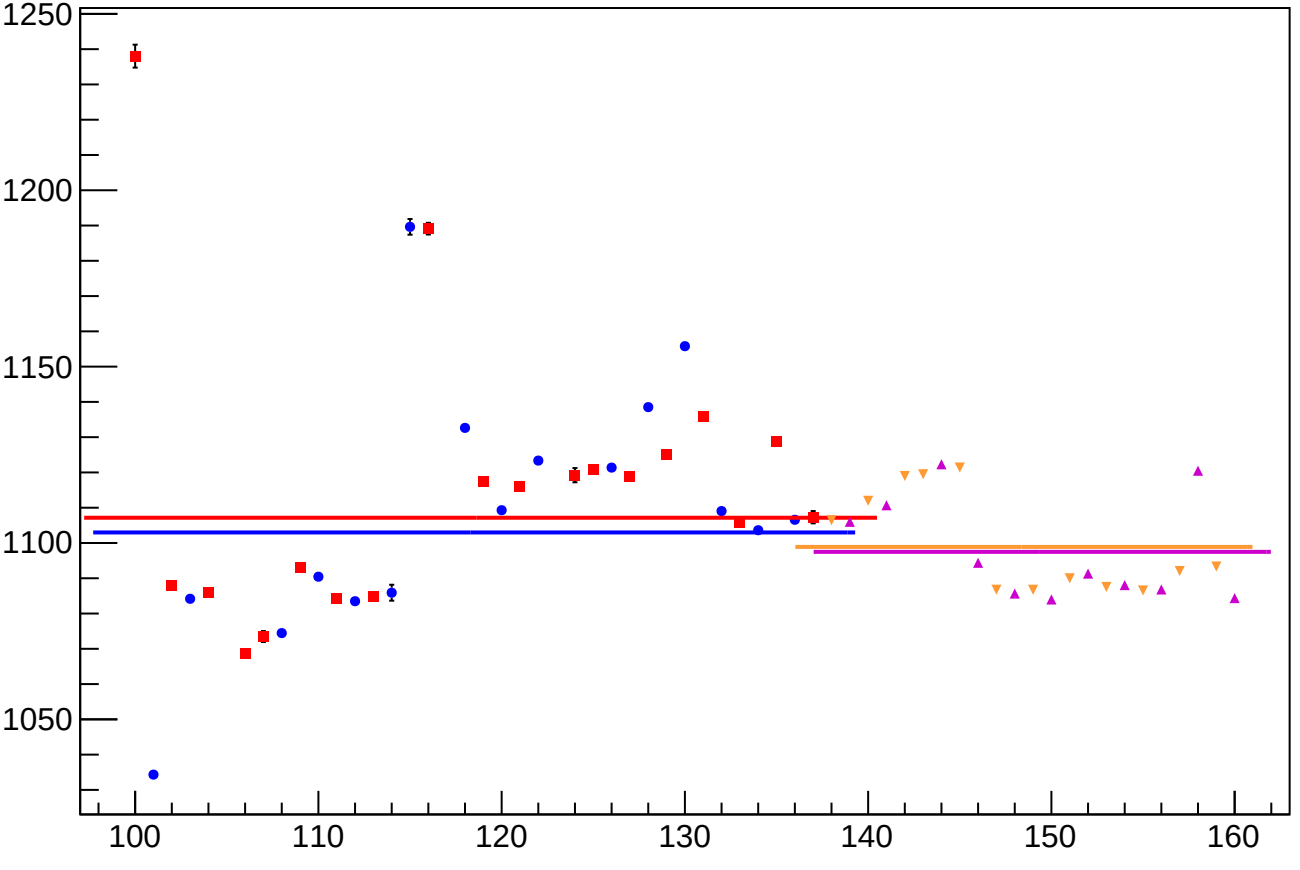
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2570.608+/-268.325 χ^2/NDF:25.4/26

Out: 2085.691+/-266.879 χ^2/NDF:21.8/30

All: 2326.840+/-189.221 χ^2/NDF: 48.8/57

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: 1097.485+/-0.251 χ^2/NDF:3058.0/10

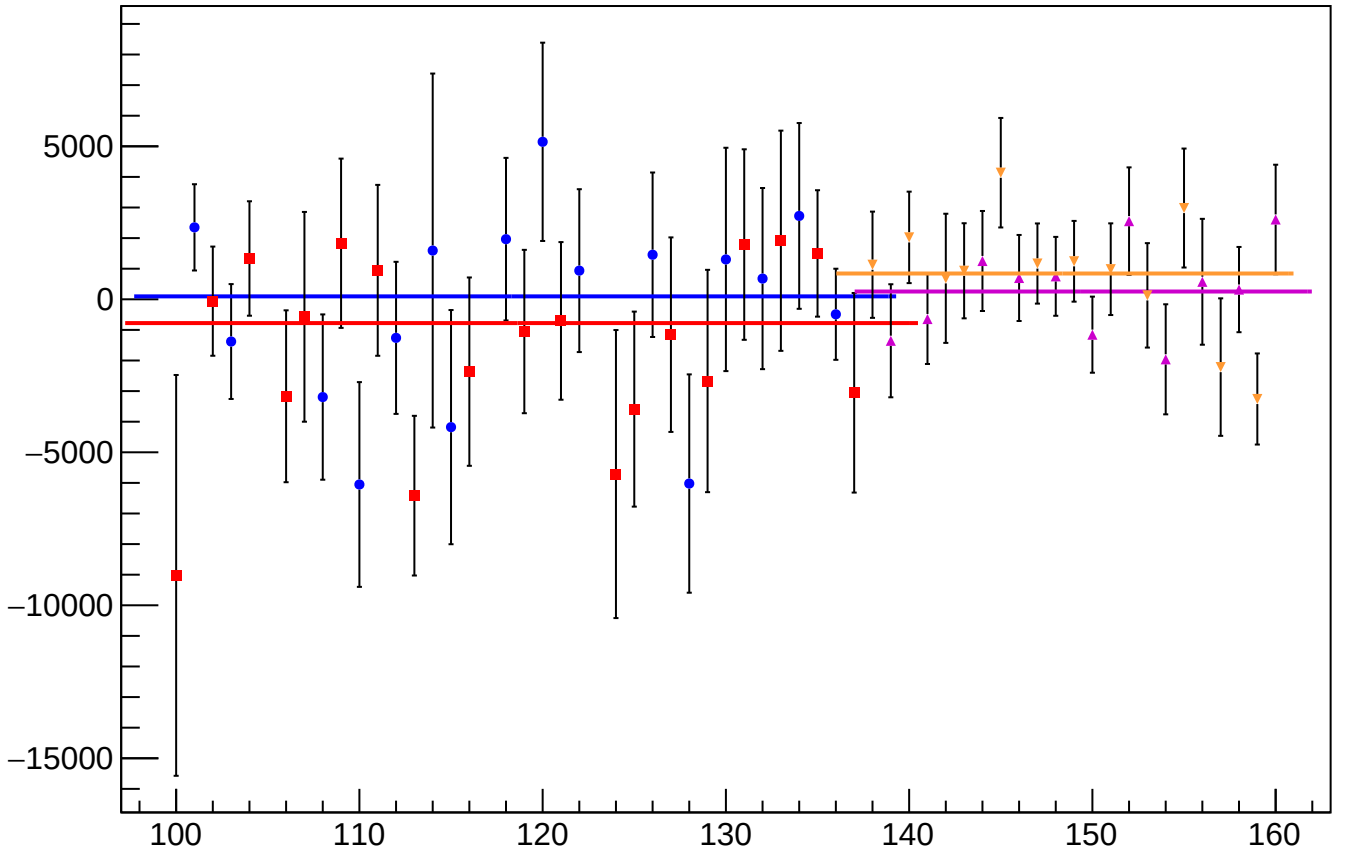
Left: 1098.184+/-0.178 χ^2/NDF: 5903.5/22

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1099.844+/-0.190 χ^2/NDF:16487.8/26

Out: 1102.500+/-0.189 χ^2/NDF:11986.2/30

All: 1101.179+/-0.134 χ^2/NDF: 28572.5/57



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: 254.508+/-467.171 χ^2/NDF:8.0/10

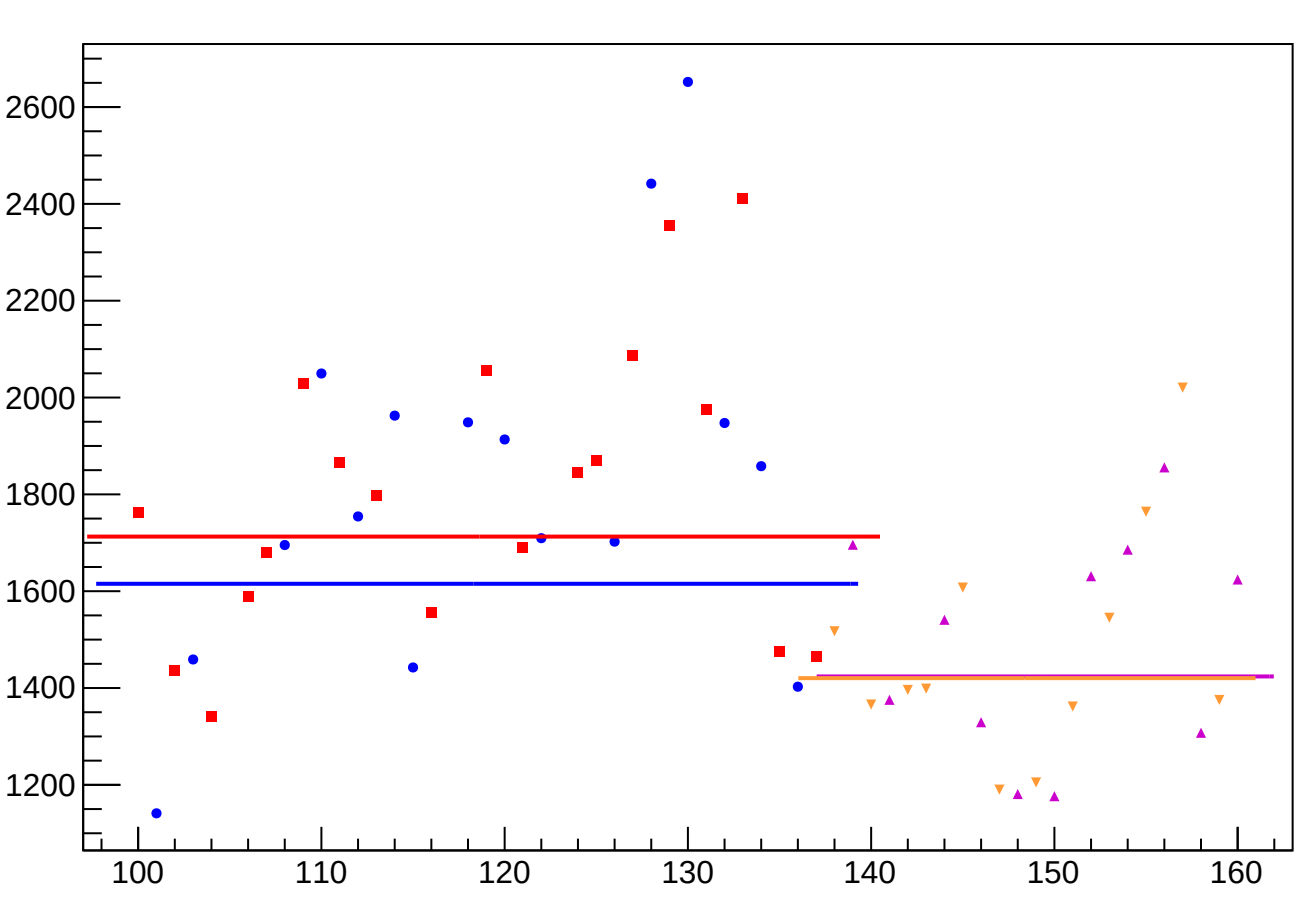
Left: 549.160+/-330.194 χ^2/NDF: 23.9/22

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 196.863+/-372.692 χ^2/NDF:25.0/26

Out: 277.211+/-376.496 χ^2/NDF:34.3/30

All: 236.629+/-264.868 χ^2/NDF: 59.3/57



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: 1423.931+/-0.330 χ^2/NDF:412280.6/10

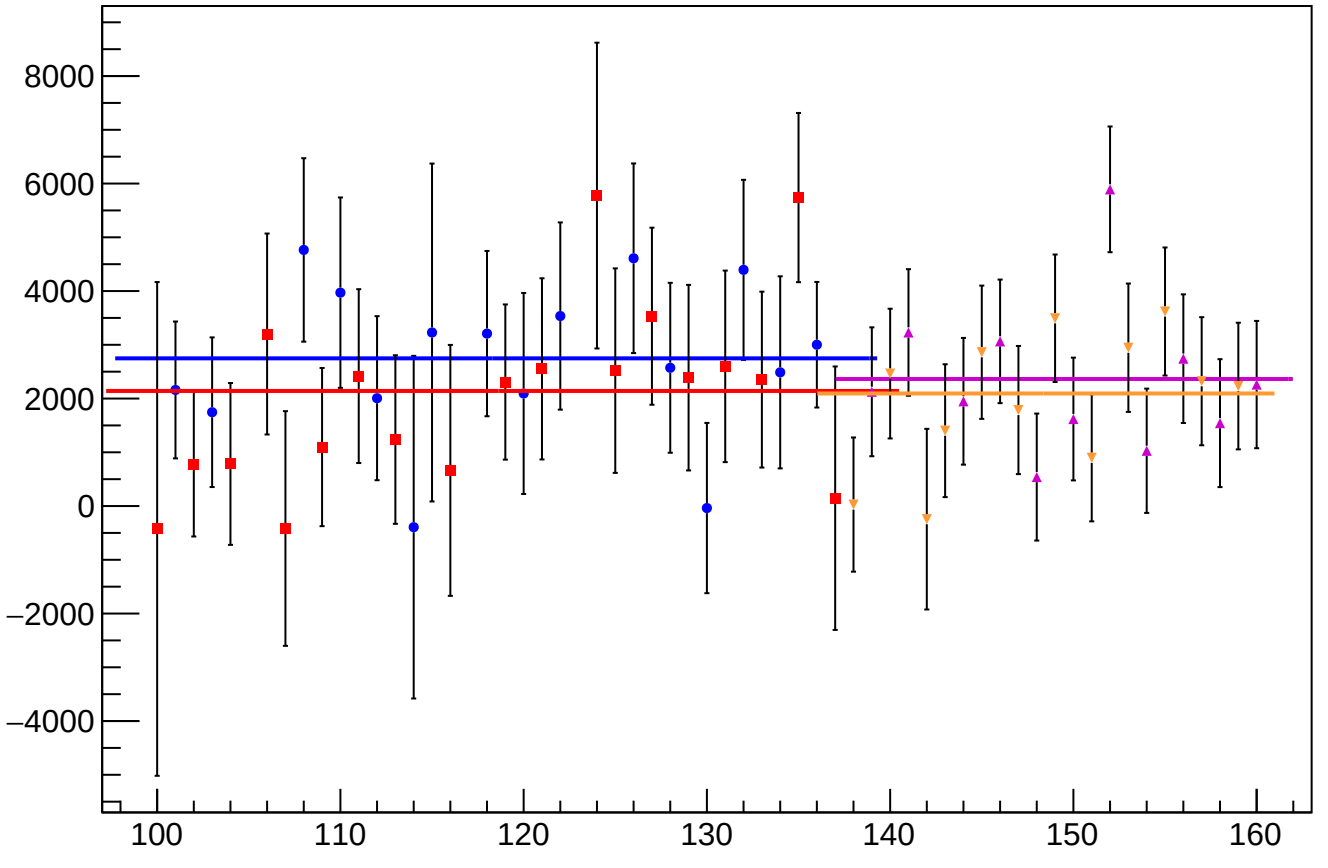
Left: 1422.166+/-0.233 χ^2/NDF: 779624.1/22

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1493.513+/-0.264 χ^2/NDF:1227944.5/26

Out: 1522.558+/-0.266 χ^2/NDF:1069552.1/30

All: 1507.888+/-0.187 χ^2/NDF: 2303508.3/57



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: 2364.137+/-354.138 χ^2/NDF:14.9/10

Left: 2229.434+/-250.613 χ^2/NDF: 25.3/22

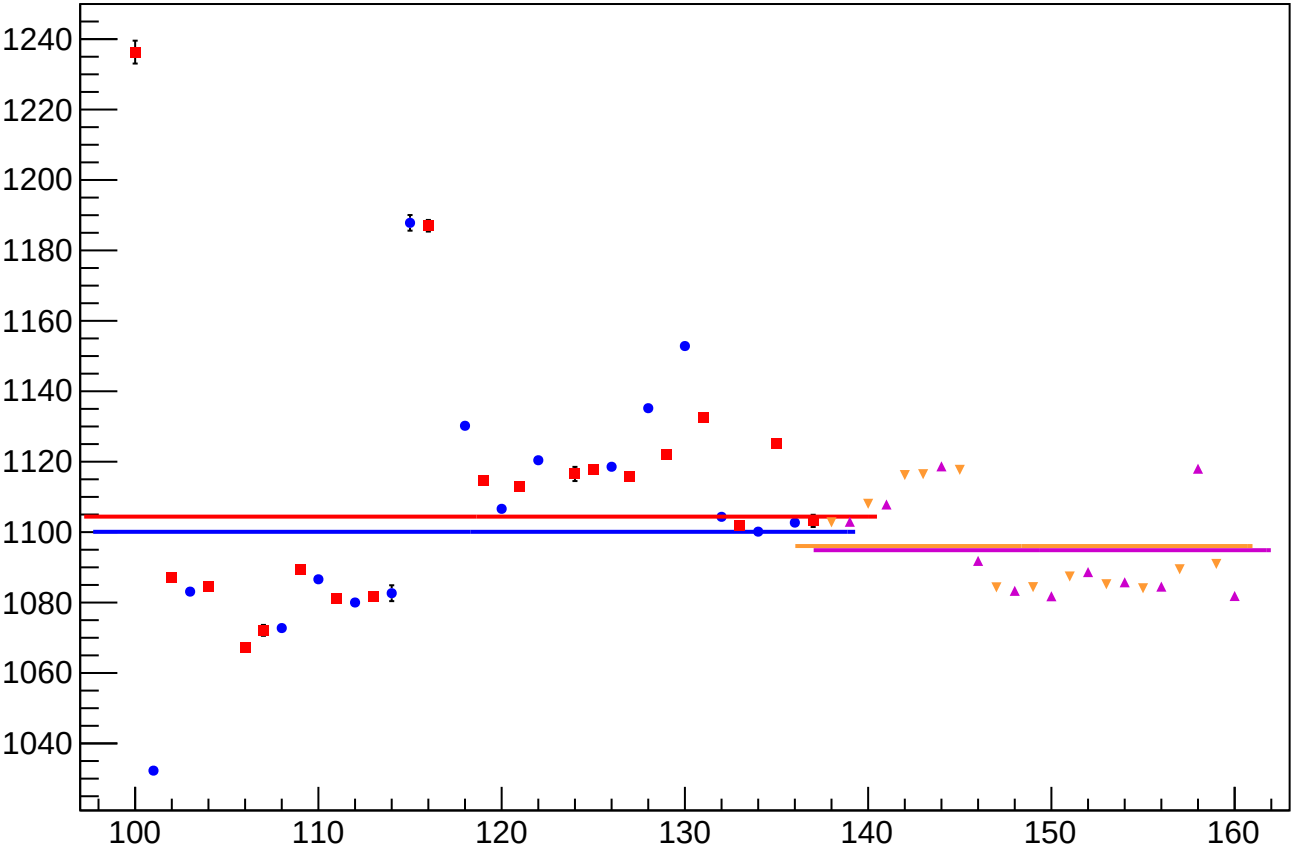
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2528.699+/-267.657 χ^2/NDF:24.9/26

Out: 2114.771+/-266.200 χ^2/NDF:23.7/30

All: 2320.605+/-188.745 χ^2/NDF: 49.8/57

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: 1094.870+/-0.250 χ^2/NDF:2944.3/10

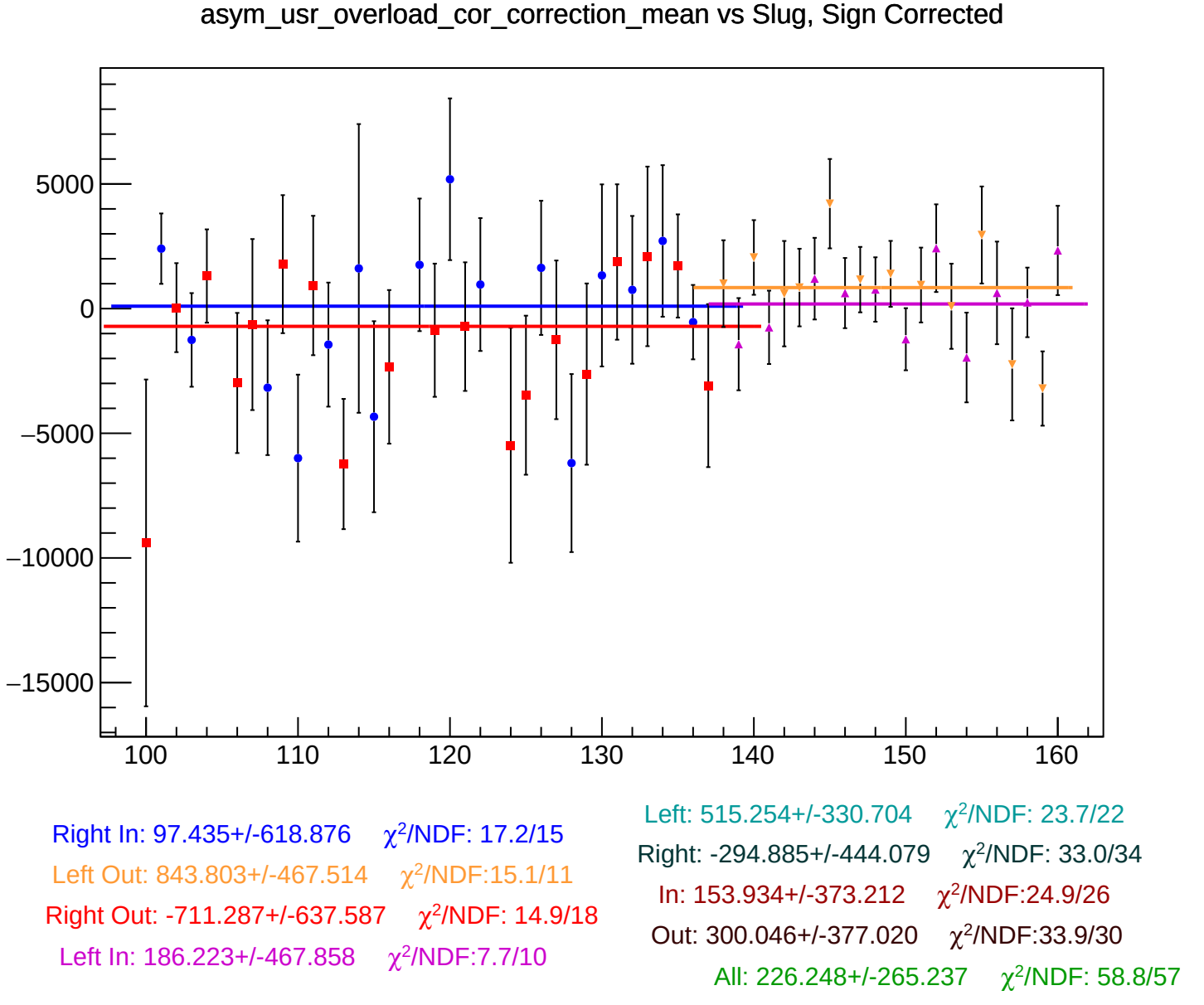
Left: 1095.459+/-0.177 χ^2/NDF: 5613.7/22

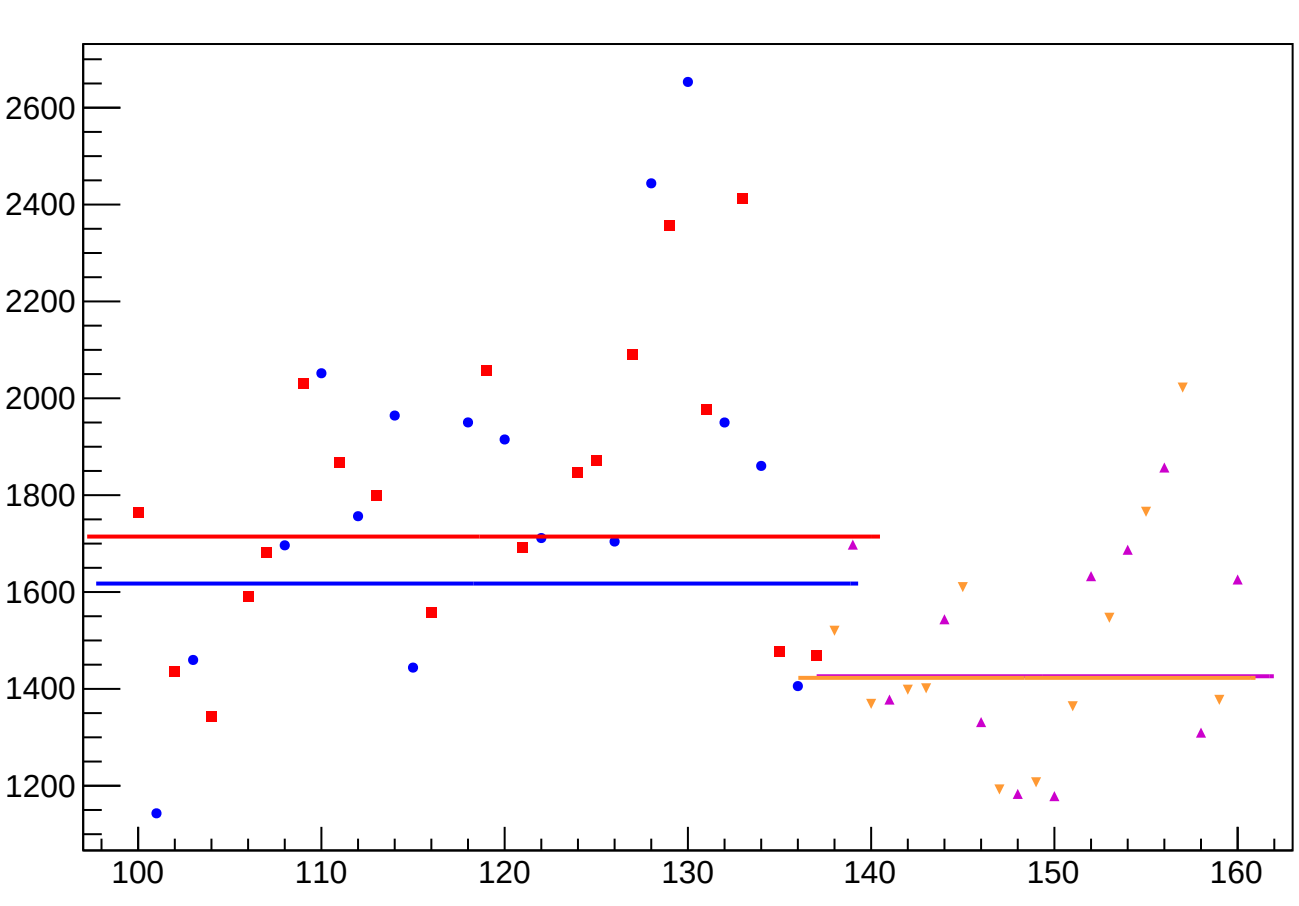
Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1097.109+/-0.189 χ^2/NDF:16207.8/26

Out: 1099.698+/-0.188 χ^2/NDF:11686.4/30

All: 1098.410+/-0.133 χ^2/NDF: 27988.2/57


asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 97.435+/-618.876 χ²/NDF: 17.2/15
Left Out: 843.803+/-467.514 χ²/NDF:15.1/11
Right Out: -711.287+/-637.587 χ²/NDF: 14.9/18
Left In: 186.223+/-467.858 χ²/NDF:7.7/10
Left: 515.254+/-330.704 χ²/NDF: 23.7/22
Right: -294.885+/-444.079 χ²/NDF: 33.0/34
In: 153.934+/-373.212 χ²/NDF:24.9/26
Out: 300.046+/-377.020 χ²/NDF:33.9/30
All: 226.248+/-265.237 χ²/NDF: 58.8/57



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: 1426.108+/-0.331 χ^2/NDF:410617.3/10

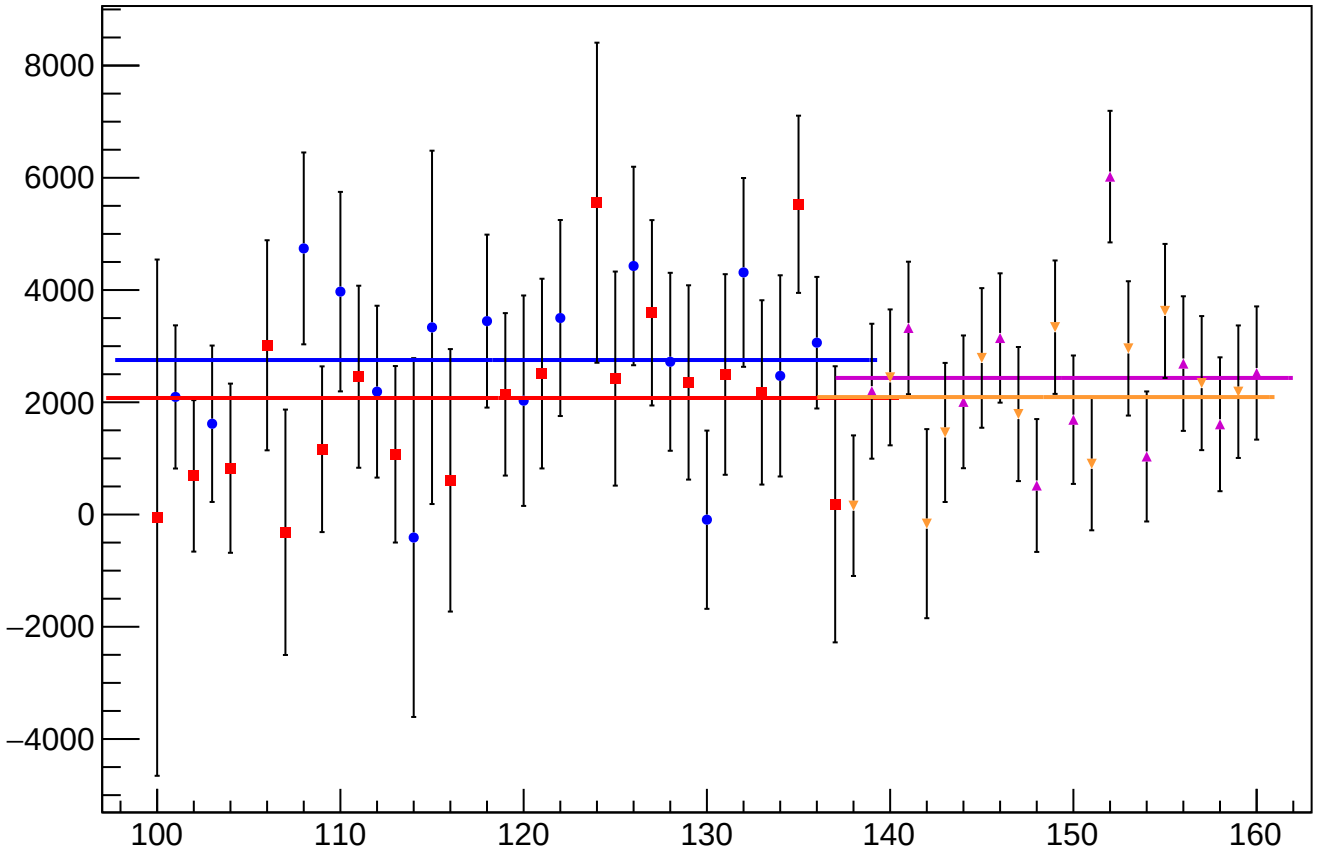
Left: 1424.447+/-0.234 χ^2/NDF: 776536.3/22

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1495.708+/-0.264 χ^2/NDF:1224049.3/26

Out: 1524.792+/-0.267 χ^2/NDF:1065860.3/30

All: 1510.102+/-0.188 χ^2/NDF: 2295921.0/57



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: 2433.680+/-354.985 χ^2/NDF:15.5/10

Left: 2263.569+/-251.238 χ^2/NDF: 25.2/22

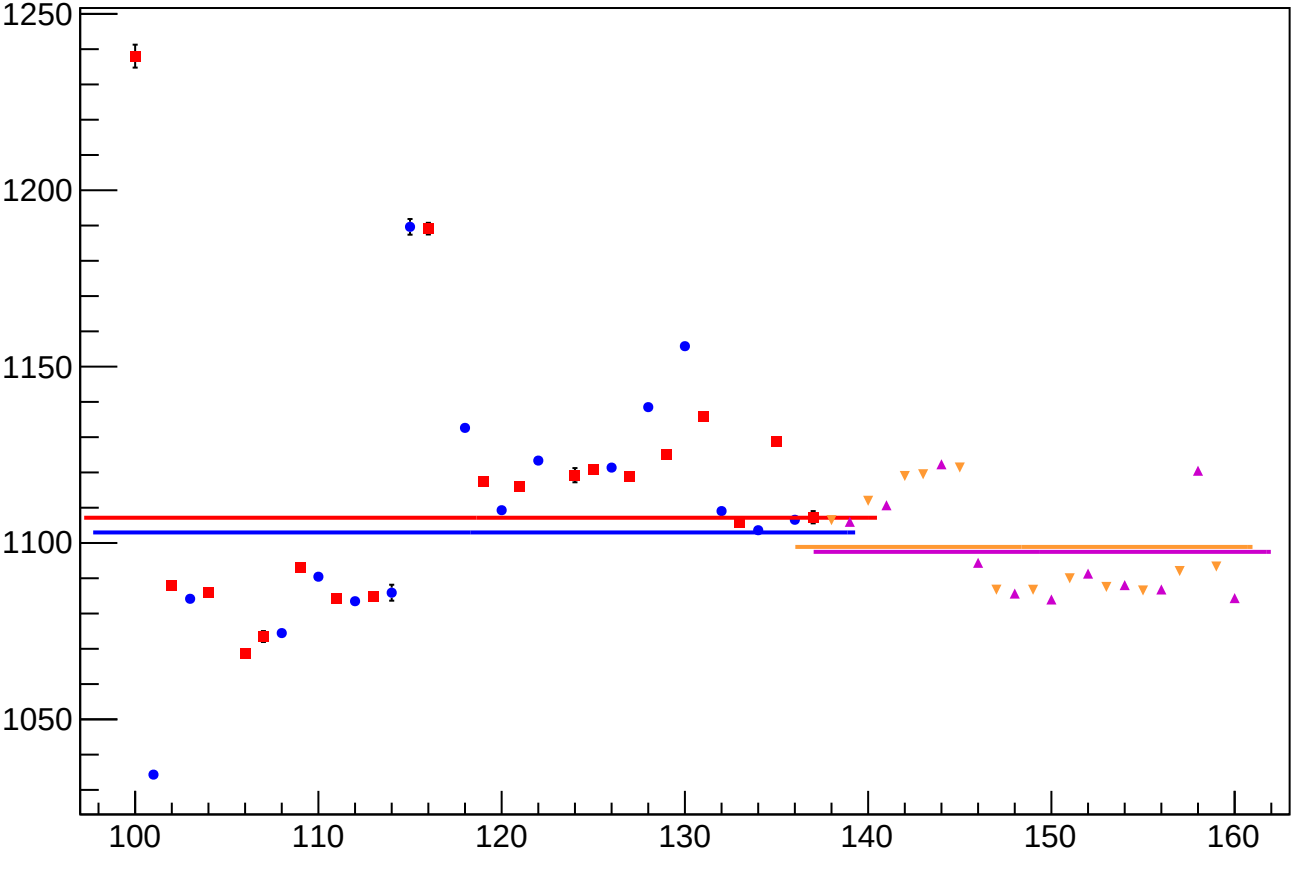
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2570.608+/-268.325 χ^2/NDF:25.4/26

Out: 2085.691+/-266.879 χ^2/NDF:21.8/30

All: 2326.840+/-189.221 χ^2/NDF: 48.8/57

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: 1097.485+/-0.251 χ^2/NDF:3058.0/10

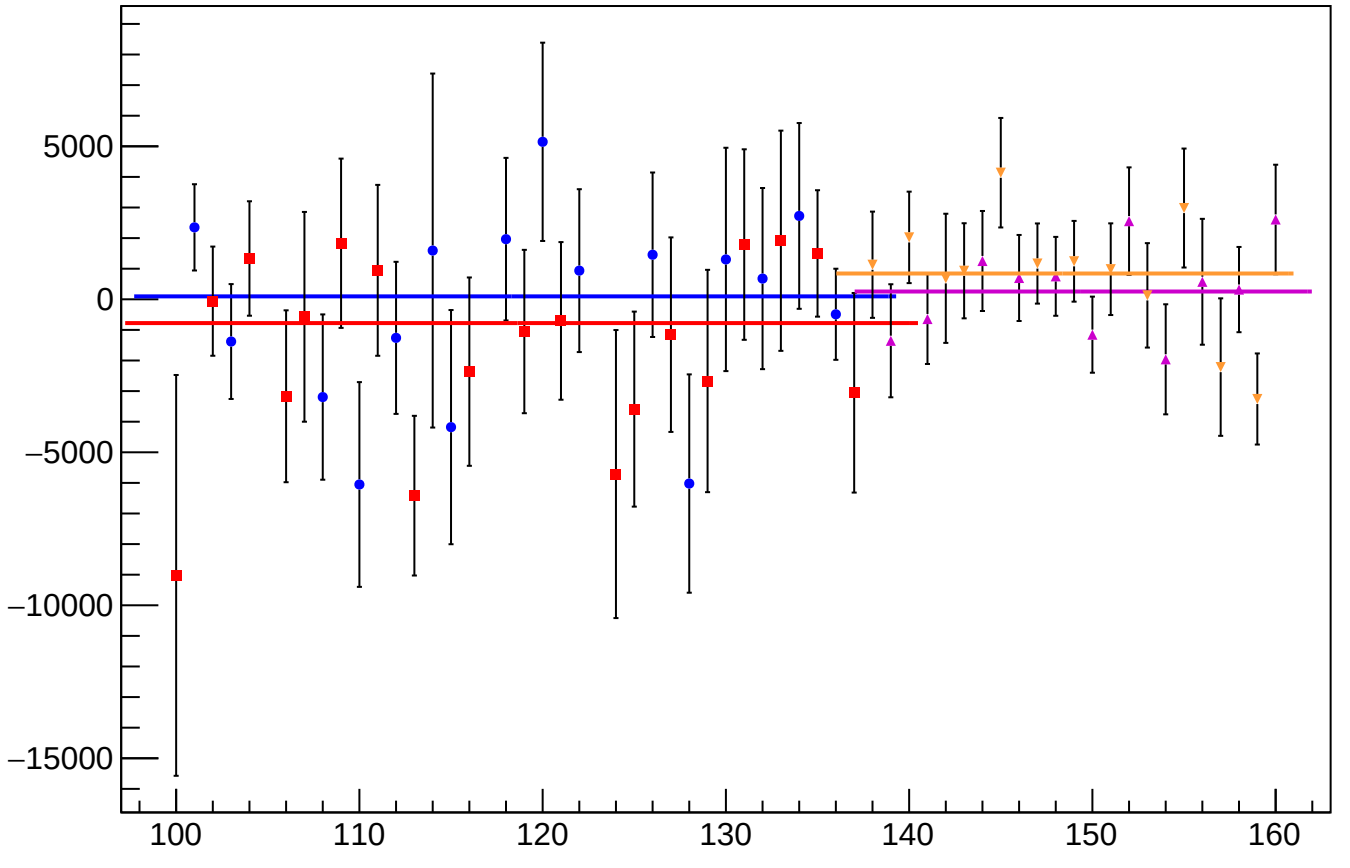
Left: 1098.184+/-0.178 χ^2/NDF: 5903.5/22

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1099.844+/-0.190 χ^2/NDF:16487.8/26

Out: 1102.500+/-0.189 χ^2/NDF:11986.2/30

All: 1101.179+/-0.134 χ^2/NDF: 28572.5/57



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: 254.508+/-467.171 χ^2/NDF:8.0/10

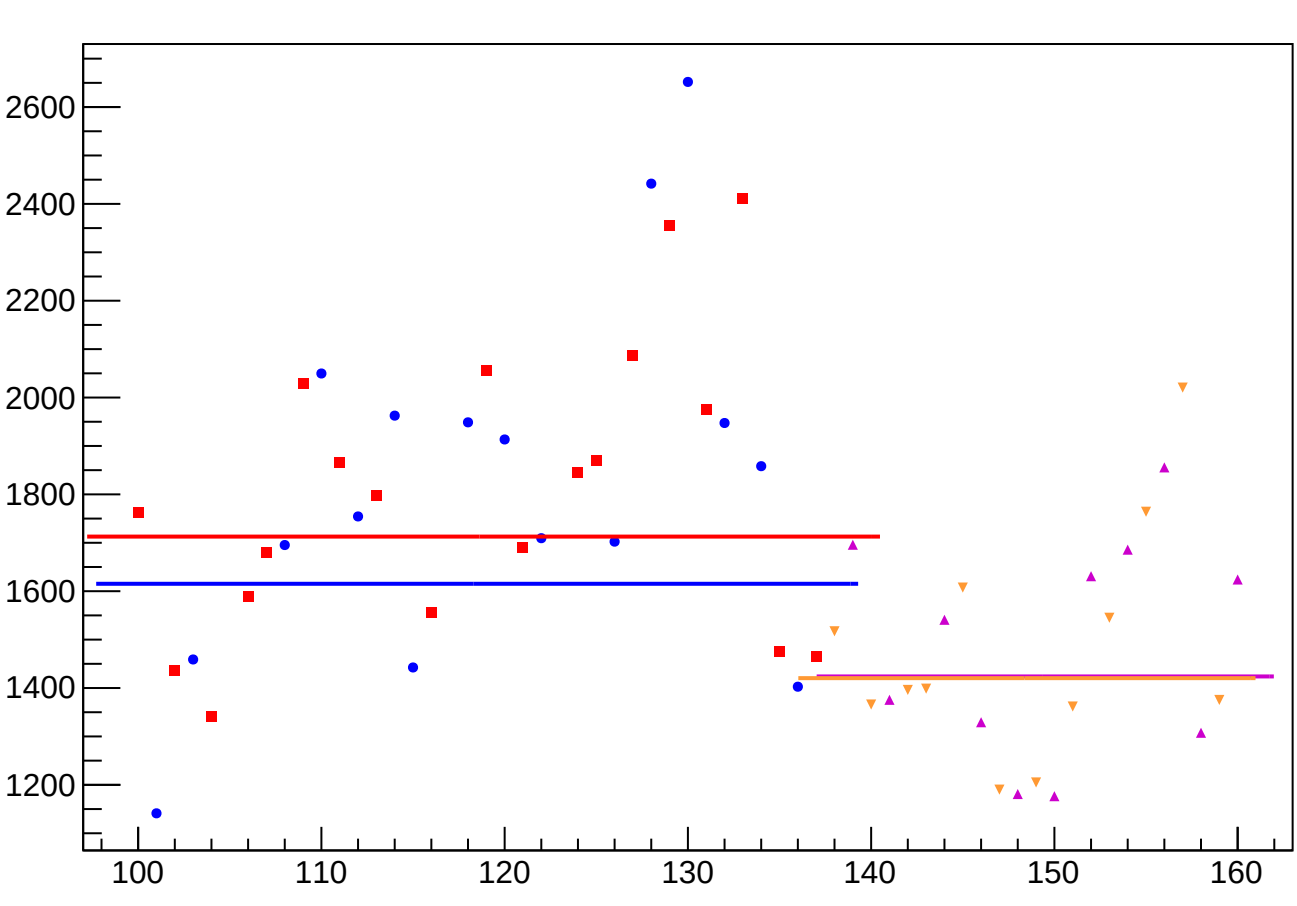
Left: 549.160+/-330.194 χ^2/NDF: 23.9/22

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 196.863+/-372.692 χ^2/NDF:25.0/26

Out: 277.211+/-376.496 χ^2/NDF:34.3/30

All: 236.629+/-264.868 χ^2/NDF: 59.3/57



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: 1423.931+/-0.330 χ^2/NDF:412280.6/10

Left: 1422.166+/-0.233 χ^2/NDF: 779624.1/22

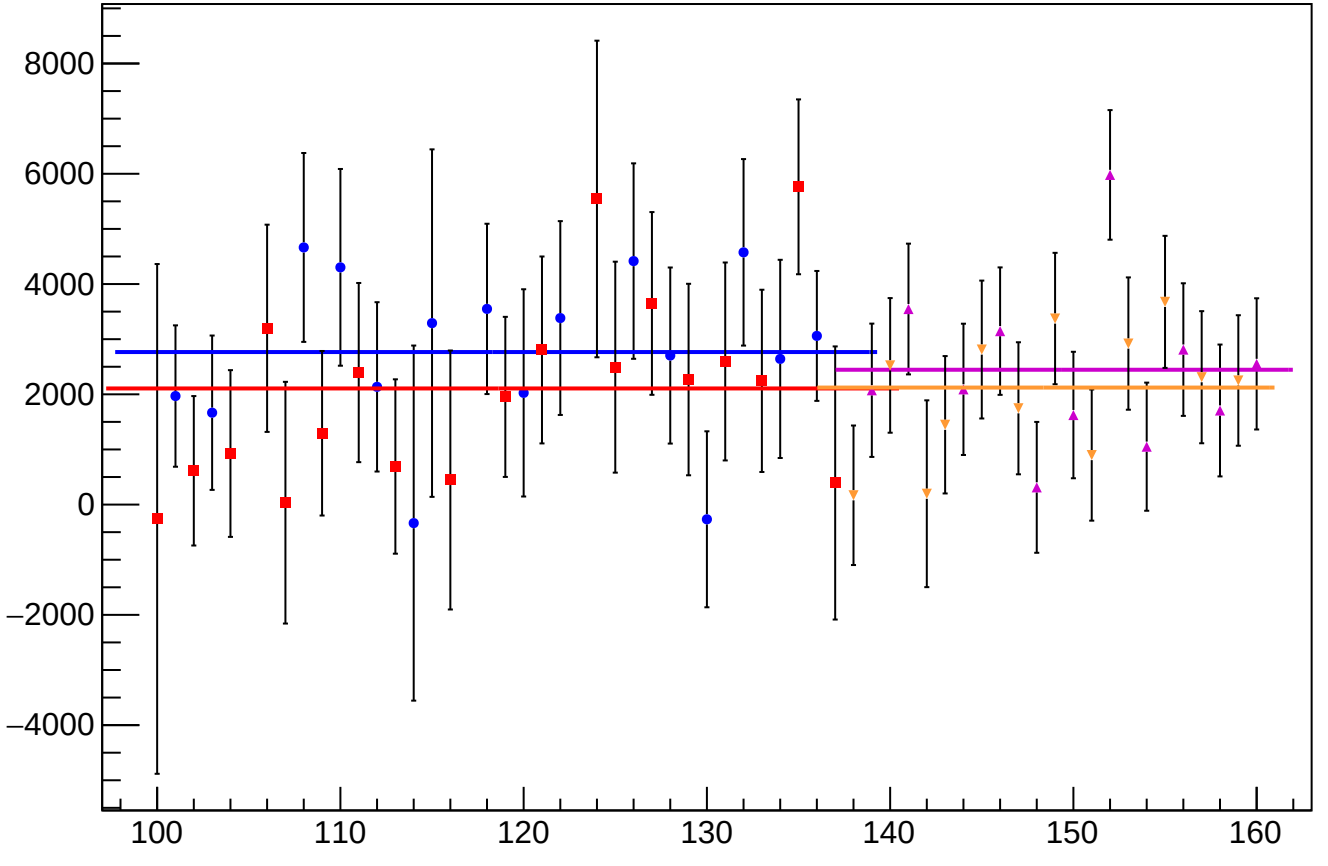
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1493.513+/-0.264 χ^2/NDF:1227944.5/26

Out: 1522.558+/-0.266 χ^2/NDF:1069552.1/30

All: 1507.888+/-0.187 χ^2/NDF: 2303508.3/57

dit_asym_usr_mean vs Slug, Sign Corrected



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: 2445.524+/-356.200 χ^2/NDF:16.1/10

Left: 2284.418+/-252.213 χ^2/NDF: 25.3/22

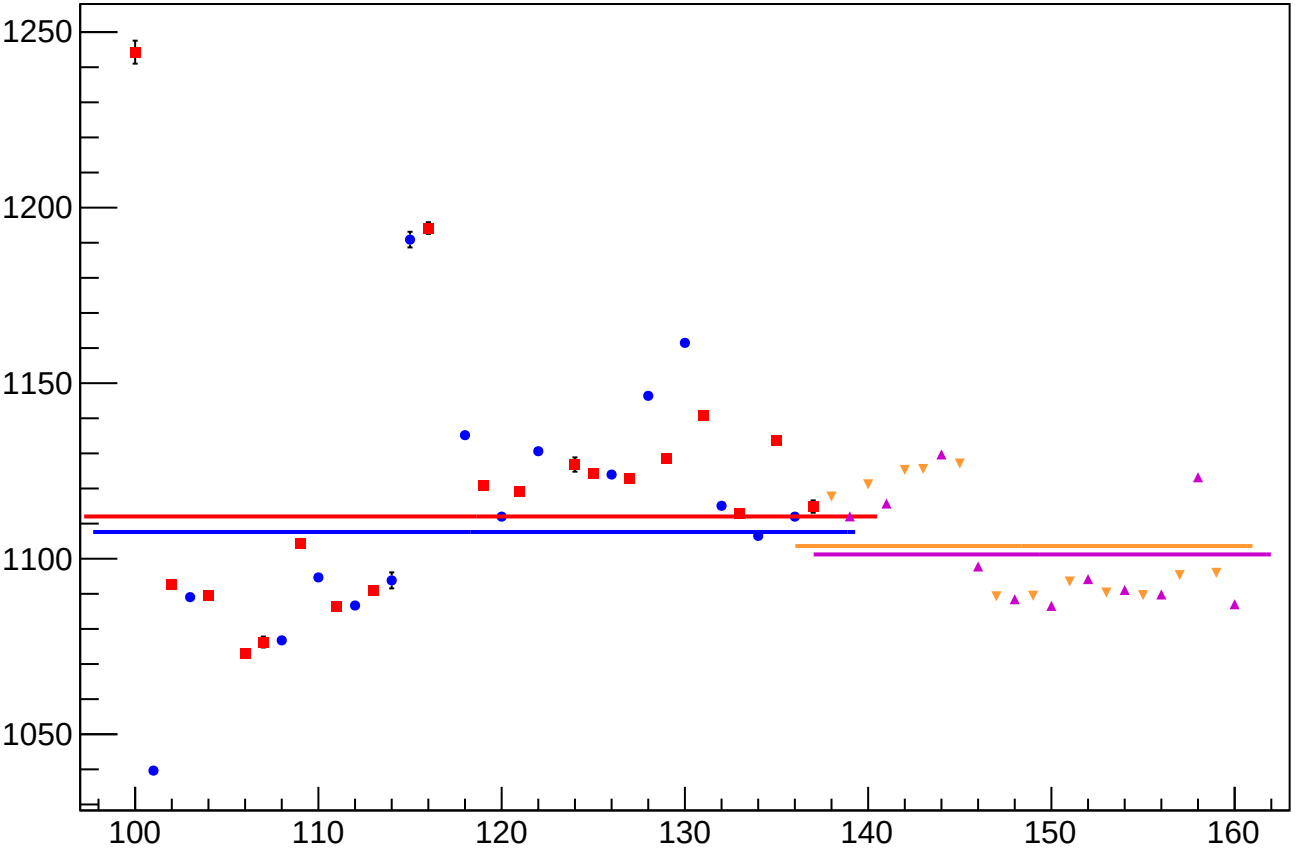
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2583.053+/-269.334 χ^2/NDF:26.8/26

Out: 2115.414+/-268.048 χ^2/NDF:22.2/30

All: 2348.114+/-189.992 χ^2/NDF: 50.5/57

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: 1101.217+/-0.252 χ^2/NDF:3544.0/10

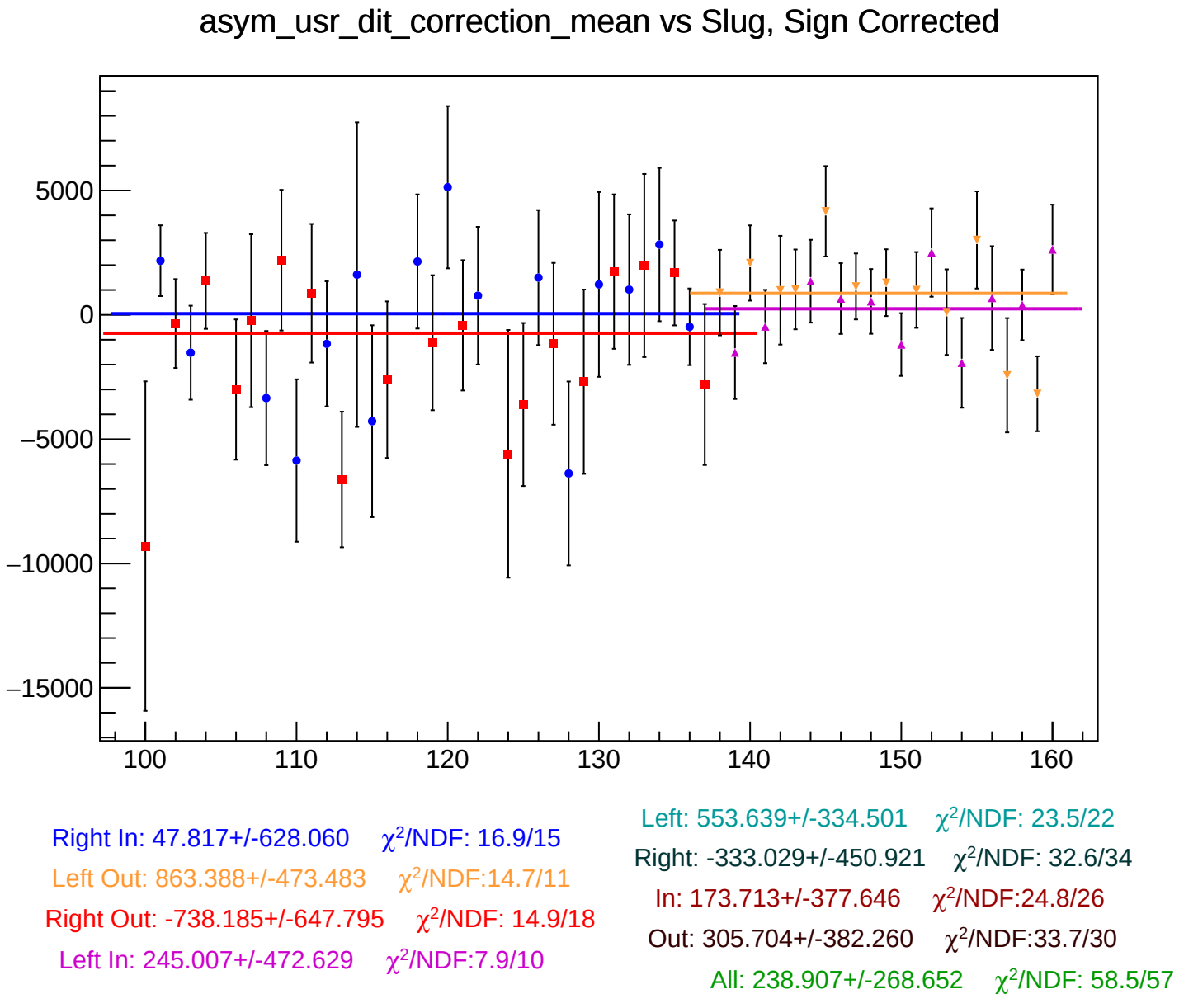
Left: 1102.413+/-0.178 χ^2/NDF: 7313.8/22

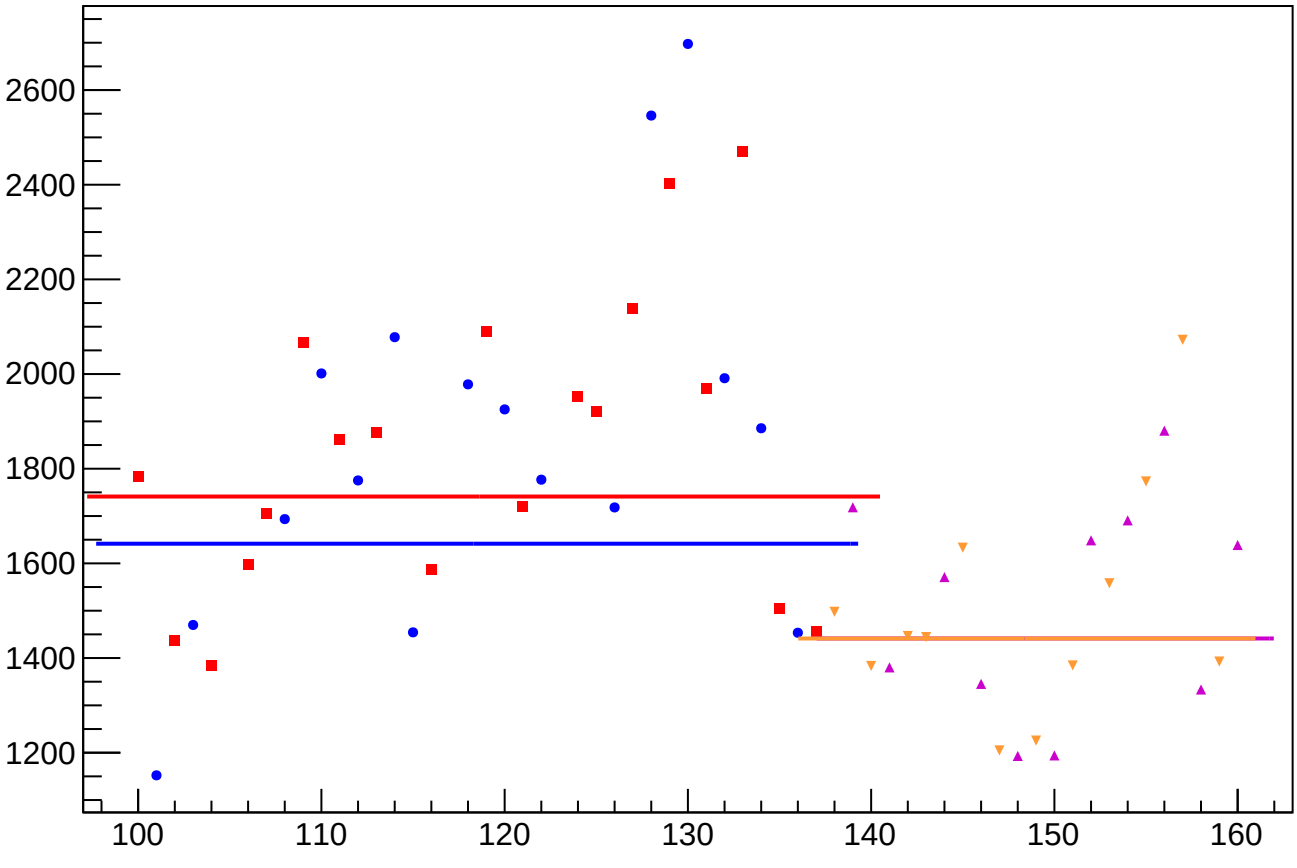
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1103.956+/-0.190 χ^2/NDF:17041.0/26

Out: 1107.291+/-0.190 χ^2/NDF:12862.8/30

All: 1105.632+/-0.134 χ^2/NDF: 30057.8/57


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 863.388+/-473.483 χ²/NDF:14.7/11
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 245.007+/-472.629 χ²/NDF:7.9/10
Left: 553.639+/-334.501 χ²/NDF: 23.5/22
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 173.713+/-377.646 χ²/NDF:24.8/26
Out: 305.704+/-382.260 χ²/NDF:33.7/30
All: 238.907+/-268.652 χ²/NDF: 58.5/57



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: 1441.324+/-0.334 χ^2/NDF:407748.9/10

Left: 1441.287+/-0.237 χ^2/NDF: 772964.9/22

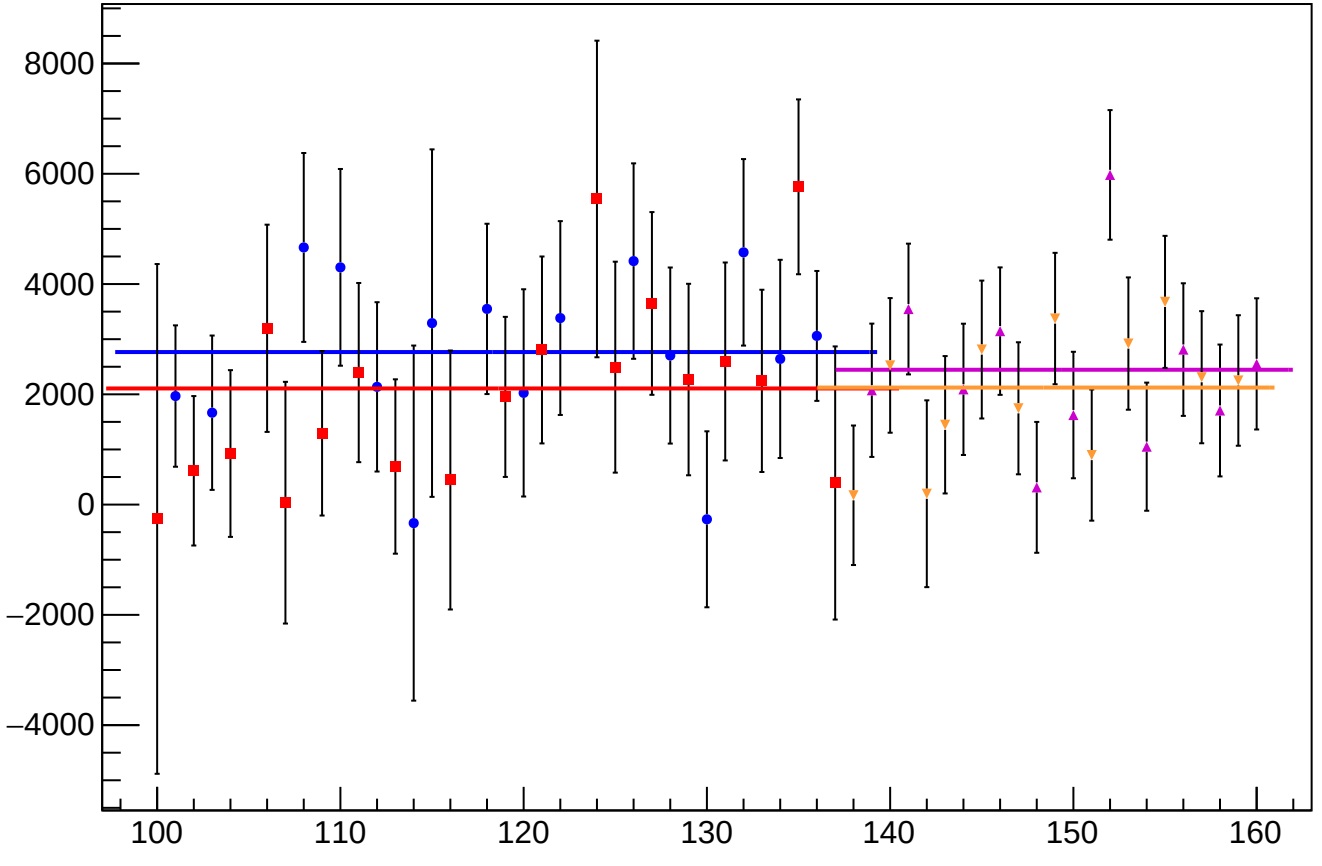
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1513.711+/-0.267 χ^2/NDF:1238821.1/26

Out: 1545.696+/-0.270 χ^2/NDF:1083037.9/30

All: 1529.509+/-0.190 χ^2/NDF: 2328945.3/57

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: 2445.525+/-356.200 χ^2/NDF:16.1/10

Left: 2284.418+/-252.213 χ^2/NDF: 25.3/22

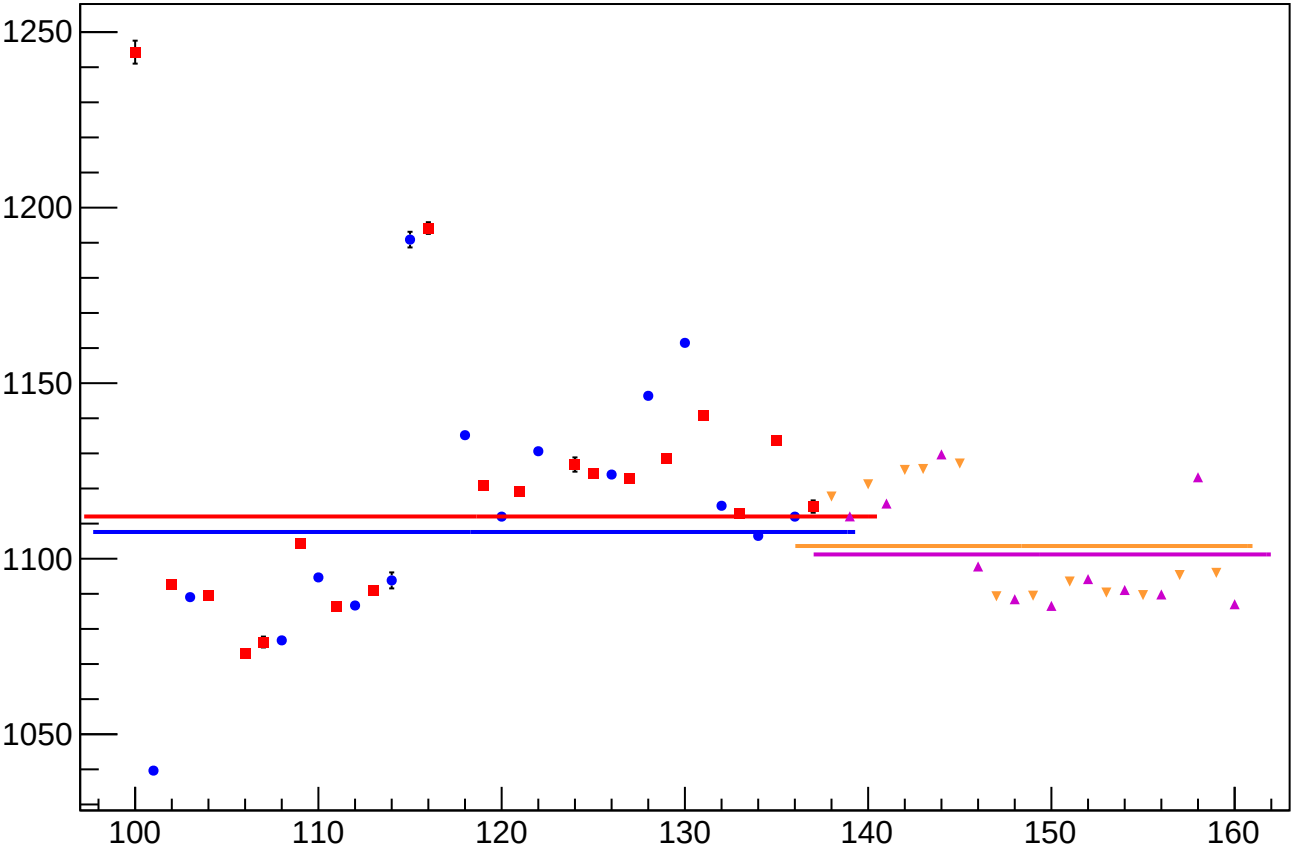
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2583.054+/-269.334 χ^2/NDF:26.8/26

Out: 2115.414+/-268.048 χ^2/NDF:22.2/30

All: 2348.114+/-189.992 χ^2/NDF: 50.5/57

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: 1101.217+/-0.252 χ^2/NDF:3544.0/10

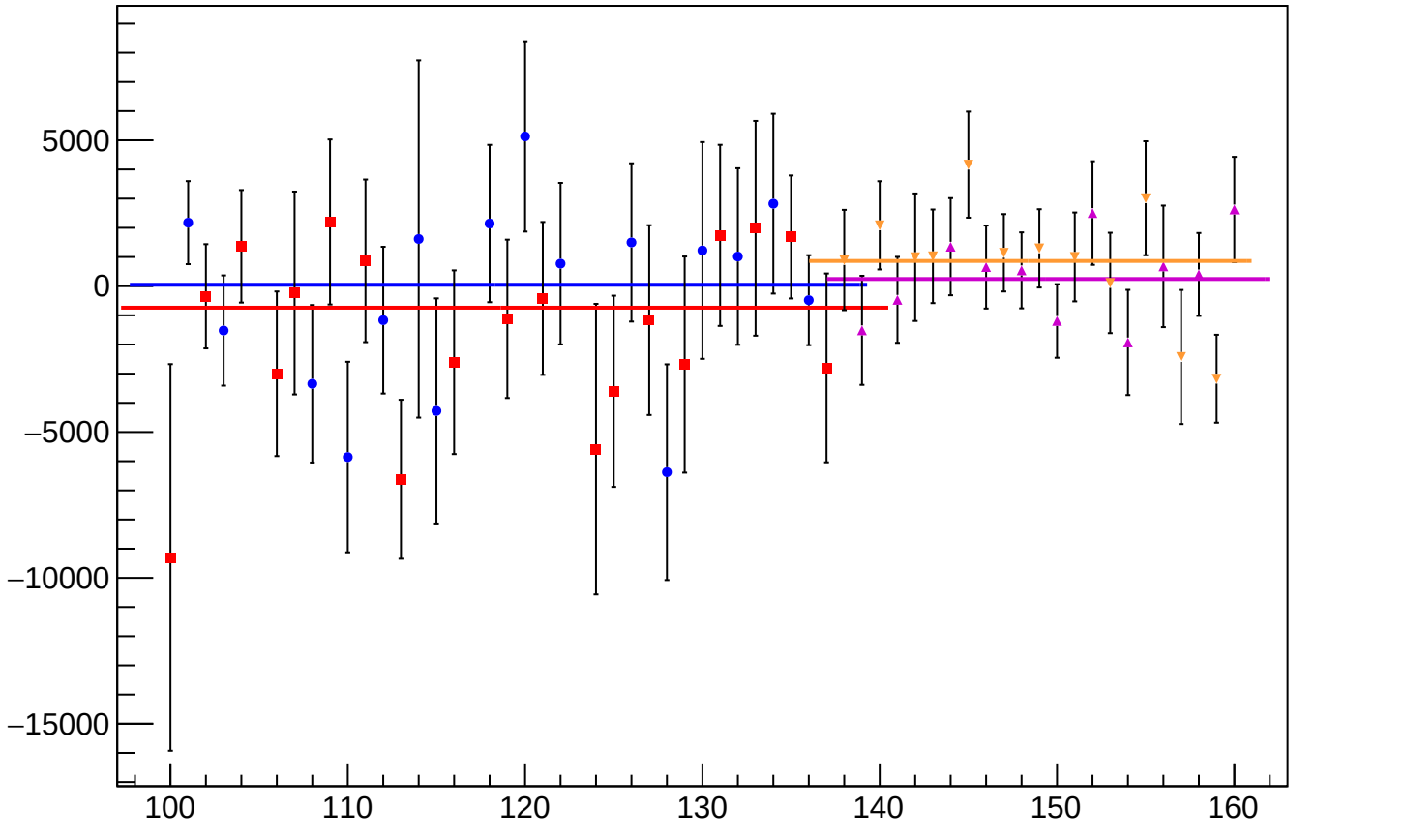
Left: 1102.413+/-0.178 χ^2/NDF: 7313.8/22

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1103.956+/-0.190 χ^2/NDF:17040.9/26

Out: 1107.291+/-0.190 χ^2/NDF:12862.8/30

All: 1105.631+/-0.134 χ^2/NDF: 30057.6/57



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: 245.008+/-472.630 χ^2/NDF:7.9/10

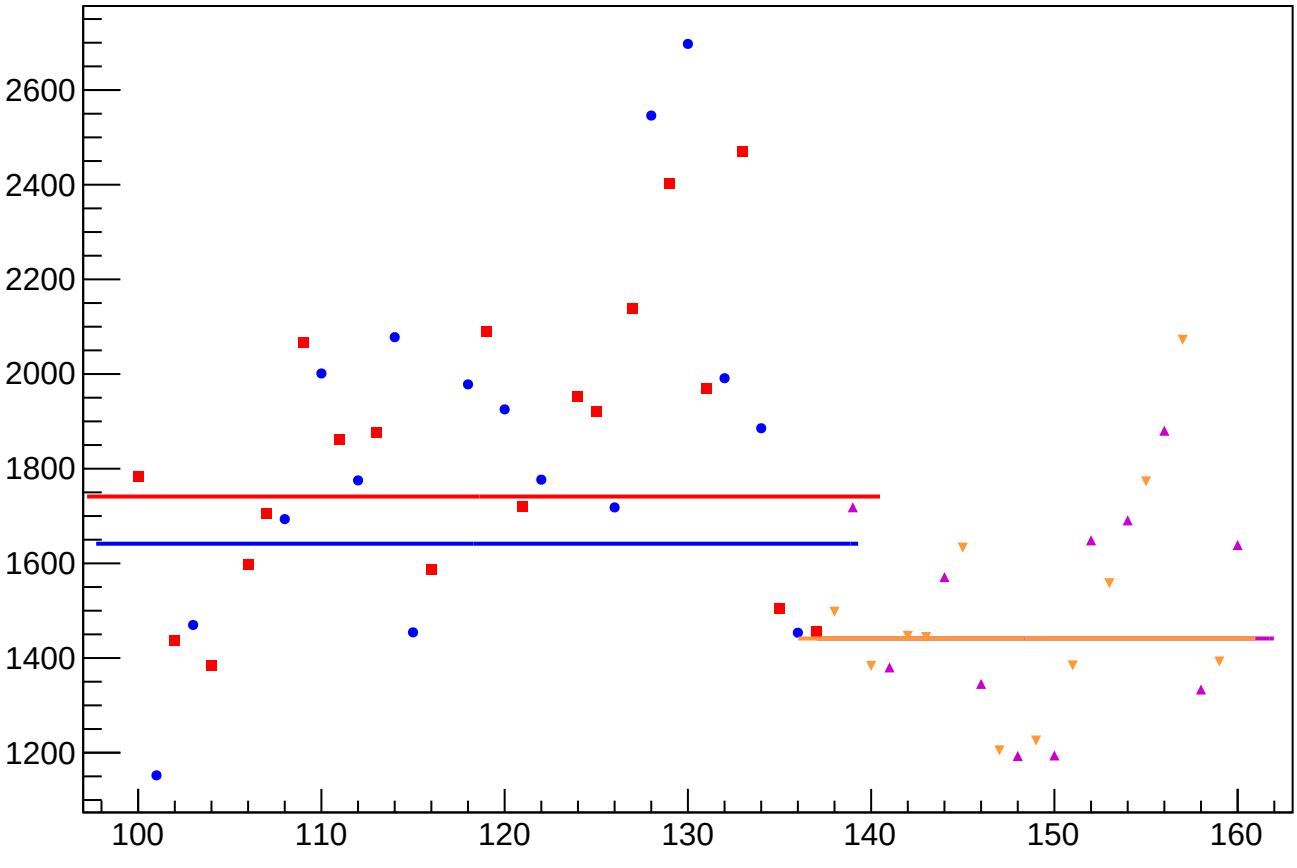
Left: 553.639+/-334.502 χ^2/NDF: 23.5/22

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 173.712+/-377.646 χ^2/NDF:24.8/26

Out: 305.700+/-382.260 χ^2/NDF:33.7/30

All: 238.905+/-268.652 χ^2/NDF: 58.5/57



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: 1441.327+/-0.334 χ^2/NDF:407754.1/10

Left: 1441.291+/-0.237 χ^2/NDF: 772974.6/22

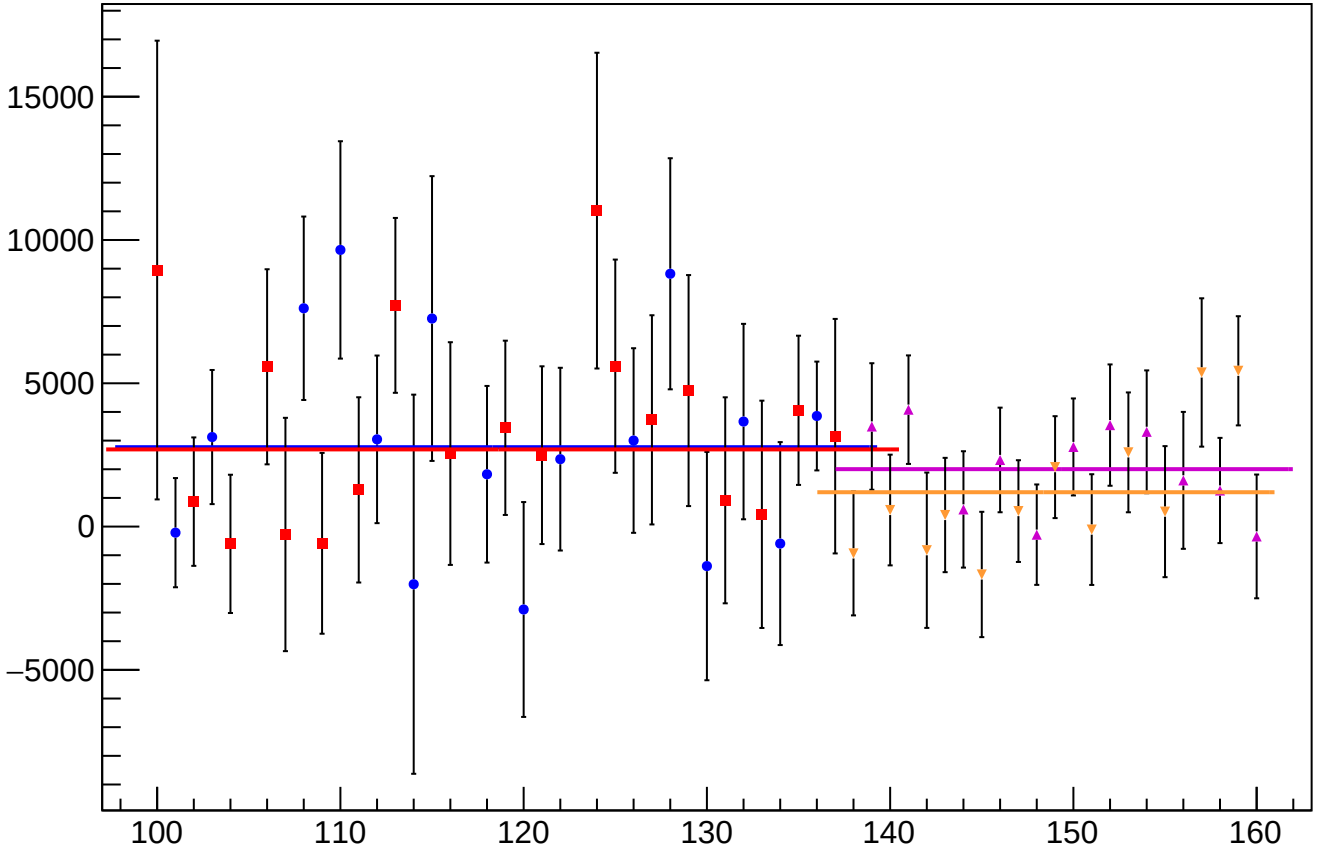
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1513.713+/-0.267 χ^2/NDF:1238807.0/26

Out: 1545.698+/-0.270 χ^2/NDF:1083021.3/30

All: 1529.511+/-0.190 χ^2/NDF: 2328914.7/57

asym_usr_mean vs Slug, Sign Corrected



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: 2003.798+/-594.502 χ^2/NDF:6.3/10

Left: 1601.558+/-420.540 χ^2/NDF: 19.7/22

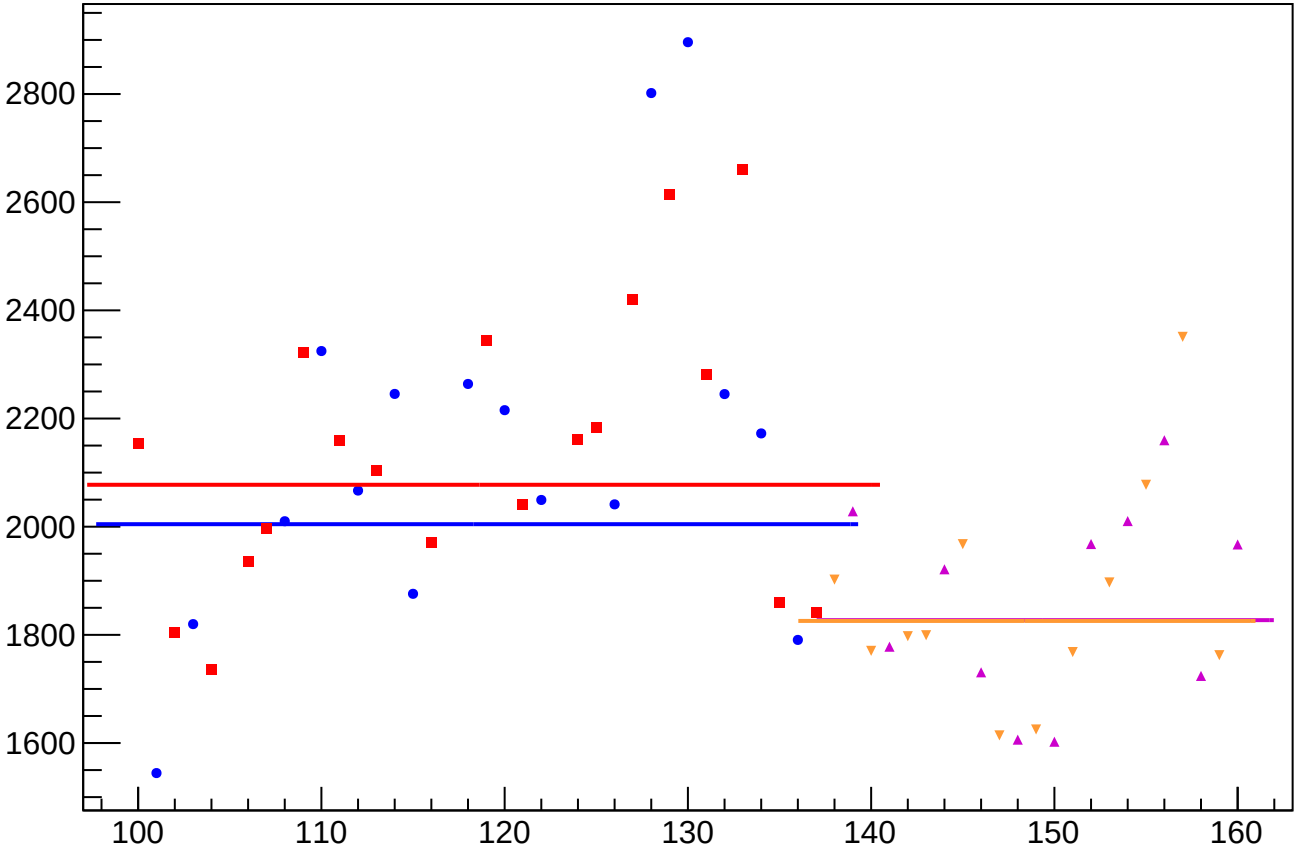
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2296.017+/-467.579 χ^2/NDF:23.4/26

Out: 1761.057+/-469.822 χ^2/NDF:27.3/30

All: 2029.817+/-331.418 χ^2/NDF: 51.4/57

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: 1827.224+/-0.420 χ^2/NDF:171896.4/10

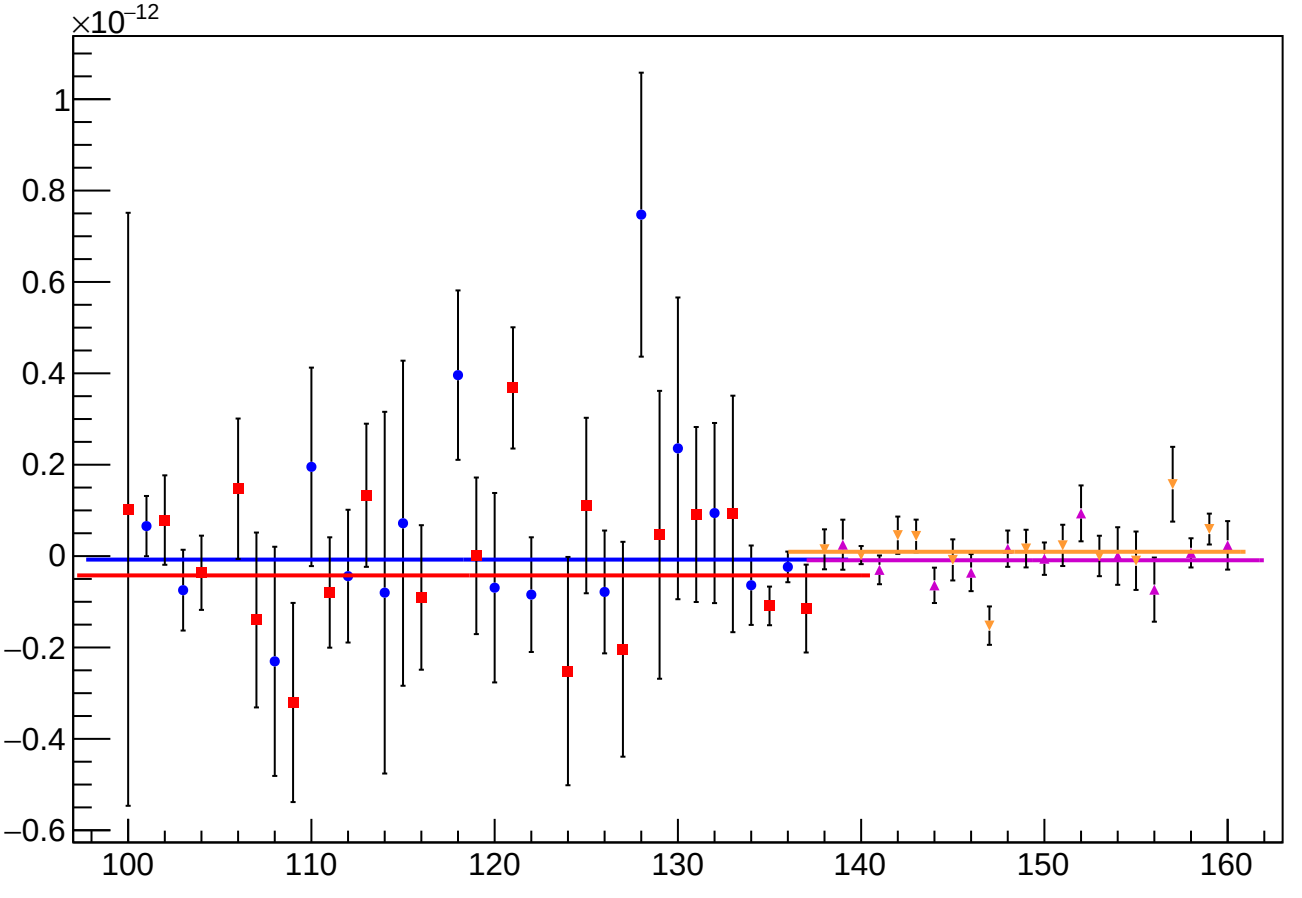
Left: 1826.500+/-0.297 χ^2/NDF: 351854.4/22

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1894.890+/-0.331 χ^2/NDF:627396.5/26

Out: 1920.533+/-0.332 χ^2/NDF:545202.2/30

All: 1907.650+/-0.234 χ^2/NDF: 1175591.9/57



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:8.0/10

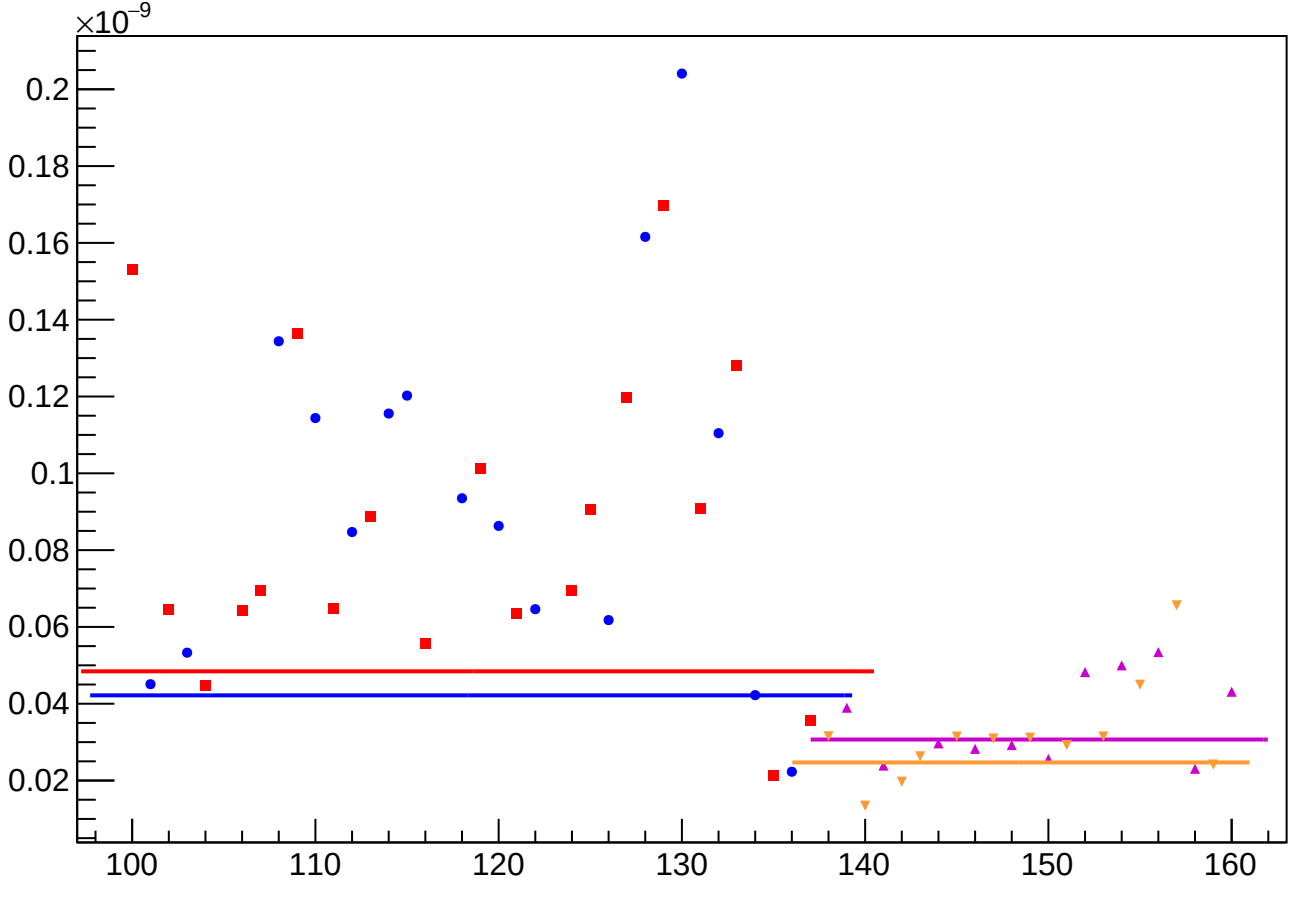
Left: 0.000+/-0.000 χ^2/NDF: 31.7/22

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:24.5/26

Out: 0.000+/-0.000 χ^2/NDF:47.4/30

All: -0.000+/-0.000 χ^2/NDF: 72.4/57



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:976815.4/10

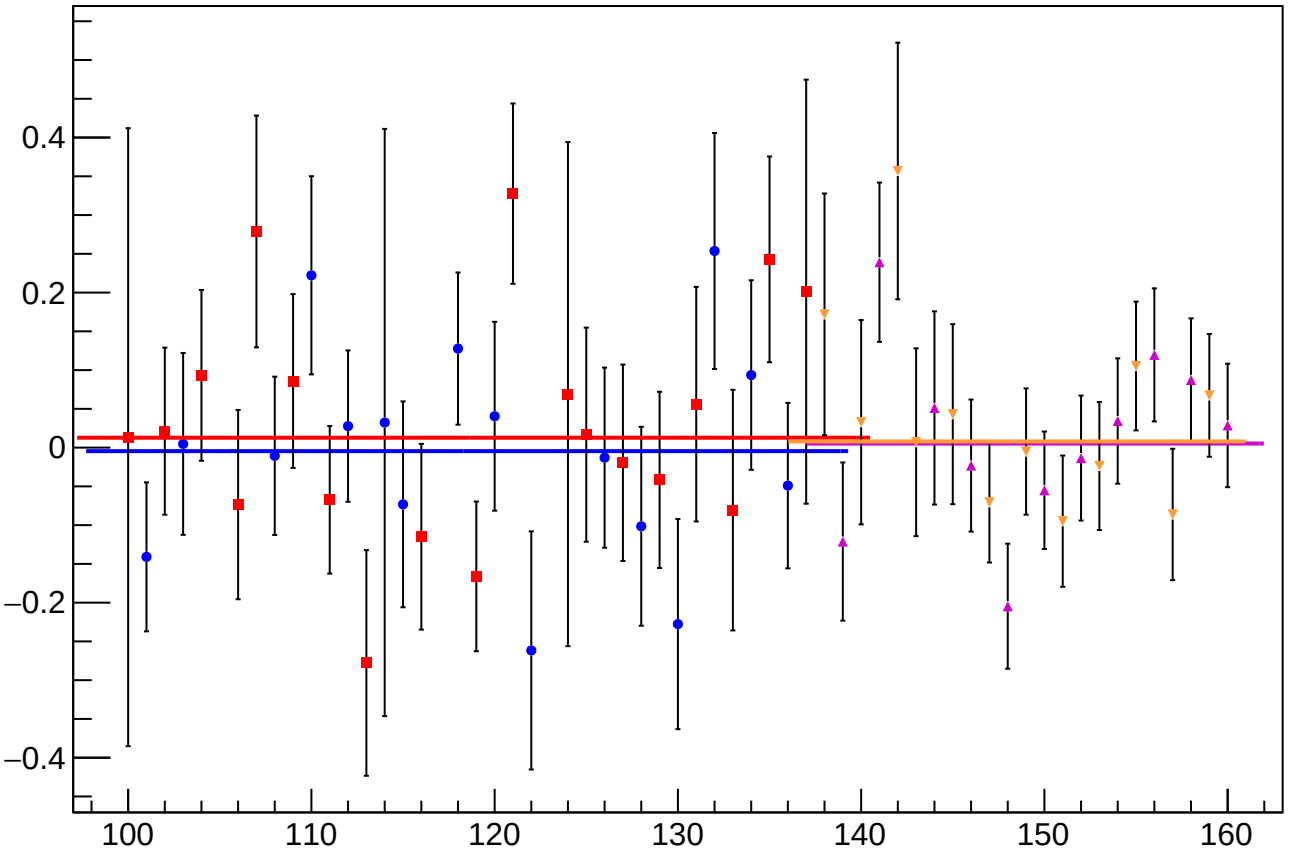
Left: 0.000+/-0.000 χ^2/NDF: 2865914.9/22

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4261273.9/26

Out: 0.000+/-0.000 χ^2/NDF:5567413.7/30

All: 0.000+/-0.000 χ^2/NDF: 10057637.0/57



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: 0.005+/-0.026 χ^2/NDF:17.5/10

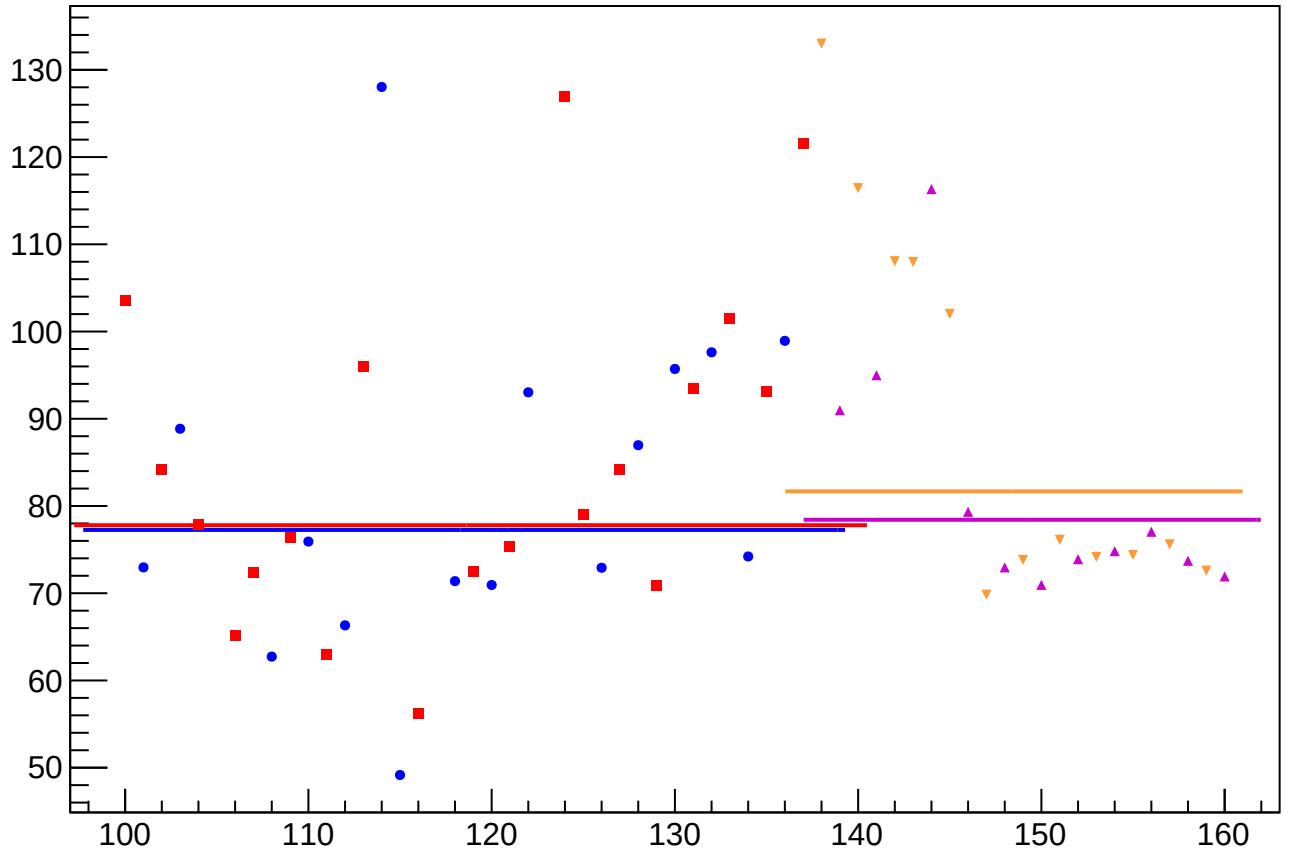
Left: 0.007+/-0.019 χ^2/NDF: 29.0/22

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.020 χ^2/NDF:34.8/26

Out: 0.010+/-0.020 χ^2/NDF:37.0/30

All: 0.006+/-0.014 χ^2/NDF: 72.0/57



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: 78.423+/-0.018 χ^2/NDF:327246.0/10

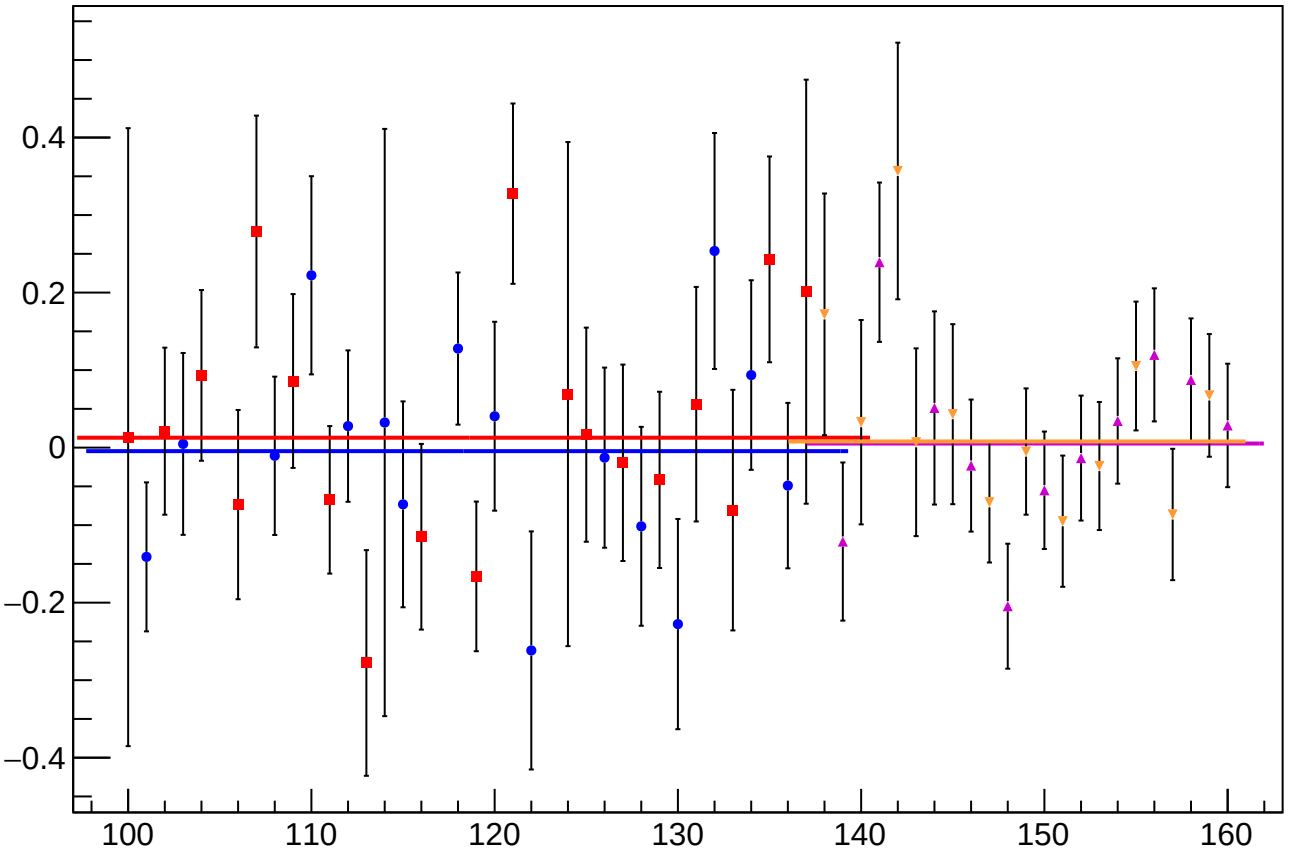
Left: 79.958+/-0.013 χ^2/NDF: 1046748.8/22

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 77.924+/-0.014 χ^2/NDF:748252.7/26

Out: 79.888+/-0.014 χ^2/NDF:1119556.2/30

All: 78.880+/-0.010 χ^2/NDF: 1877519.8/57


asym_usr_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
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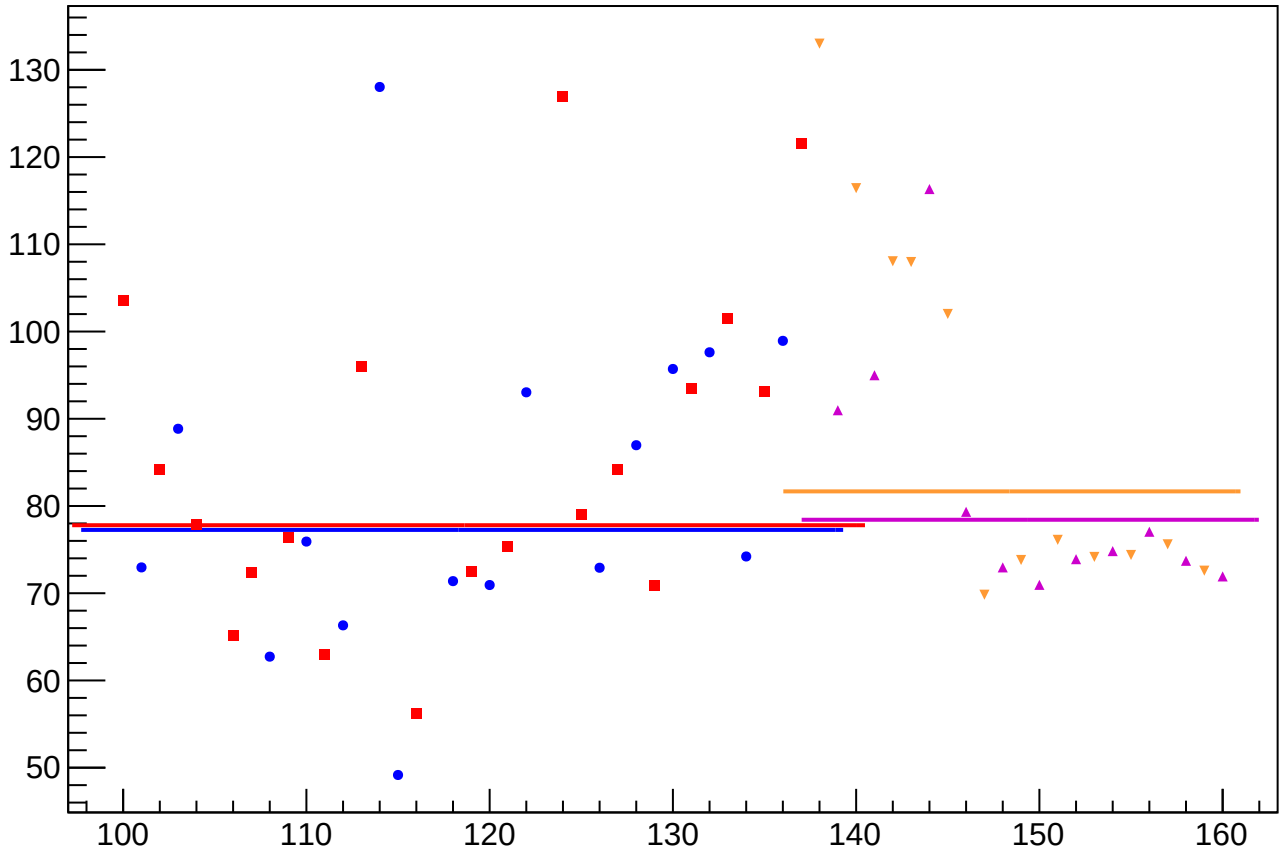
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.008+/-0.027 χ²/NDF:11.5/11
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.005+/-0.026 χ²/NDF:17.5/10
Left: 0.007+/-0.019 χ²/NDF: 29.0/22
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: 0.001+/-0.020 χ²/NDF:34.8/26
Out: 0.010+/-0.020 χ²/NDF:37.0/30
All: 0.006+/-0.014 χ²/NDF: 72.0/57



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: 78.423+/-0.018 χ^2/NDF:327246.0/10

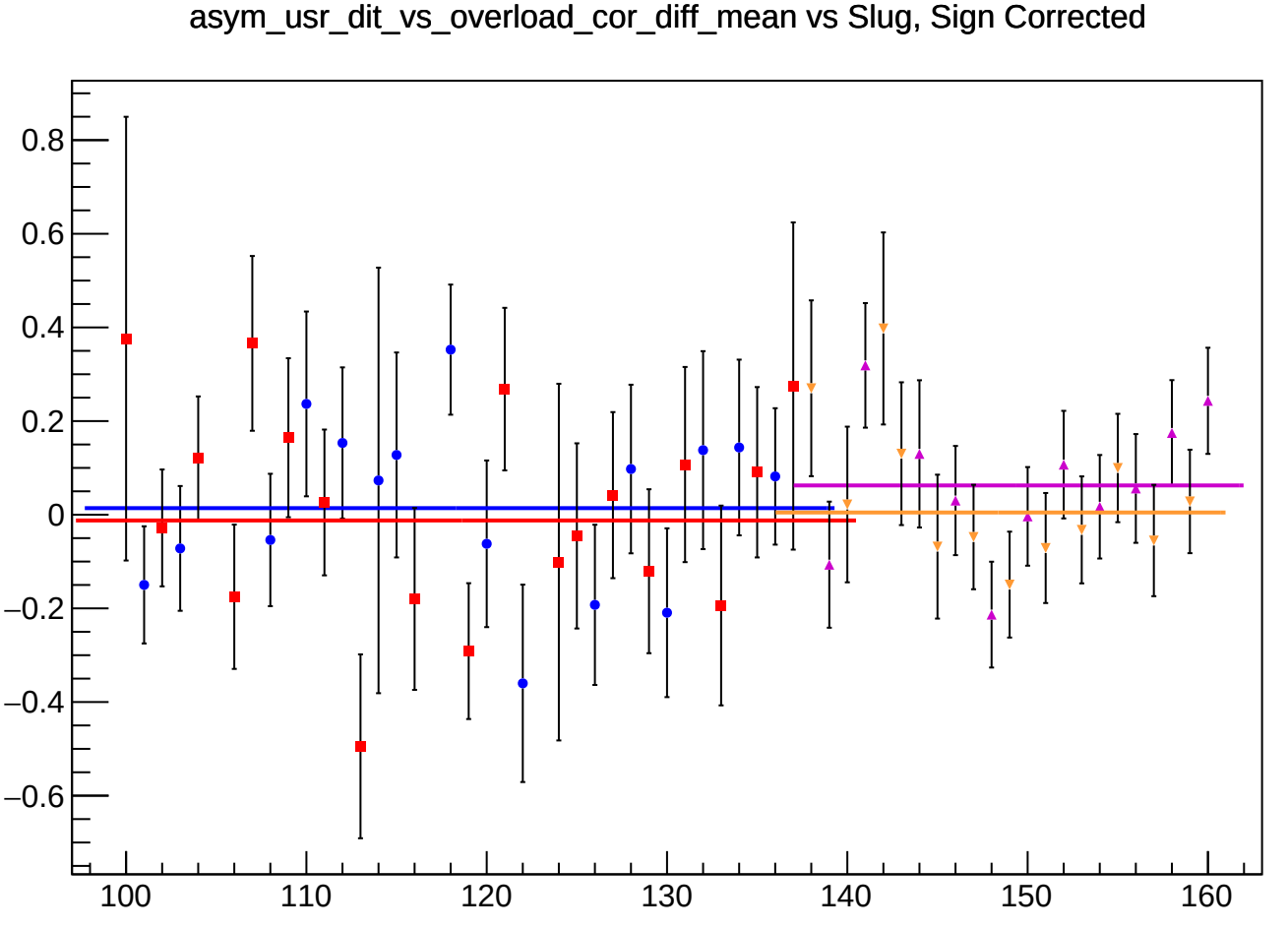
Left: 79.958+/-0.013 χ^2/NDF: 1046748.8/22

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 77.924+/-0.014 χ^2/NDF:748252.7/26

Out: 79.888+/-0.014 χ^2/NDF:1119556.2/30

All: 78.880+/-0.010 χ^2/NDF: 1877519.8/57



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: 0.063+/-0.036 χ^2/NDF:15.8/10

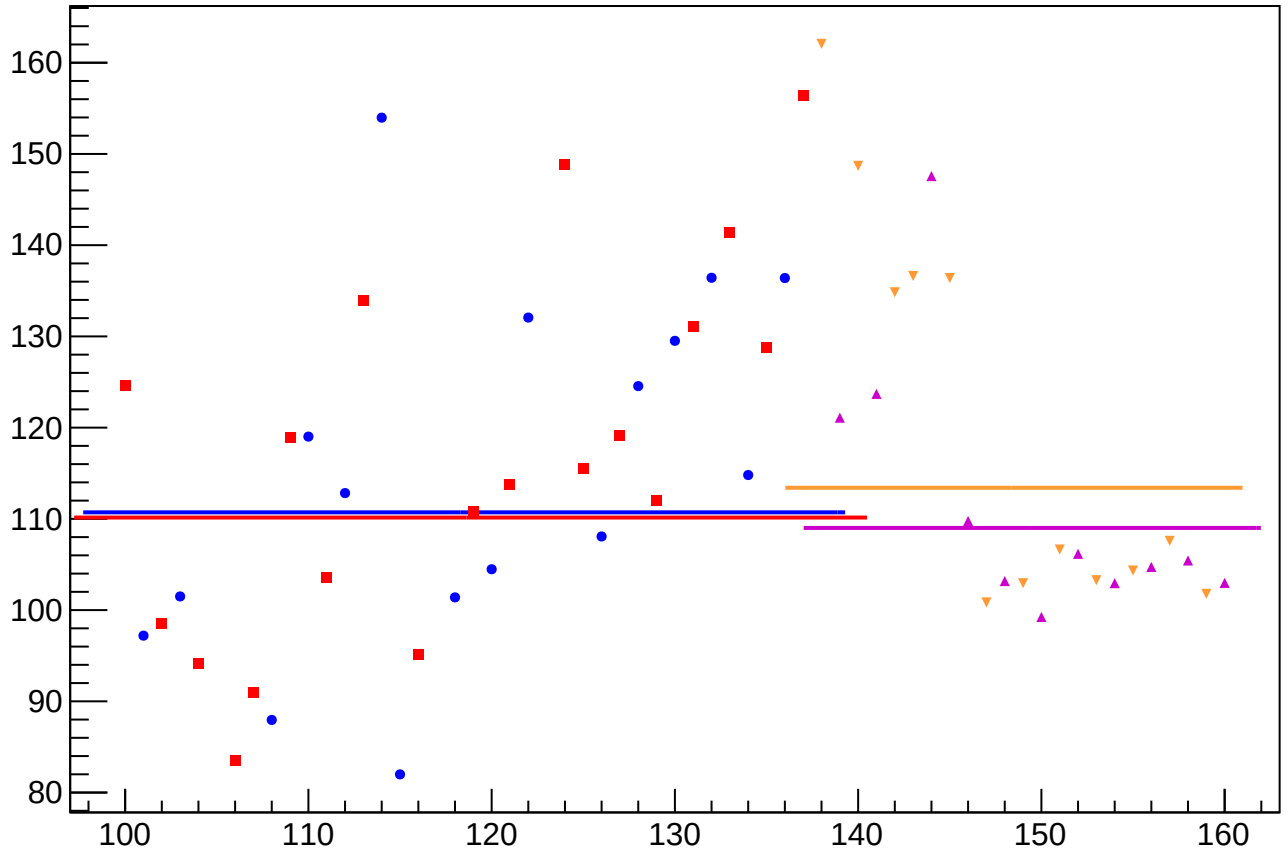
Left: 0.035+/-0.026 χ^2/NDF: 27.2/22

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.042+/-0.027 χ^2/NDF:34.7/26

Out: -0.003+/-0.028 χ^2/NDF:34.0/30

All: 0.020+/-0.019 χ^2/NDF: 70.1/57



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: 109.007+/-0.025 χ^2/NDF:201018.4/10

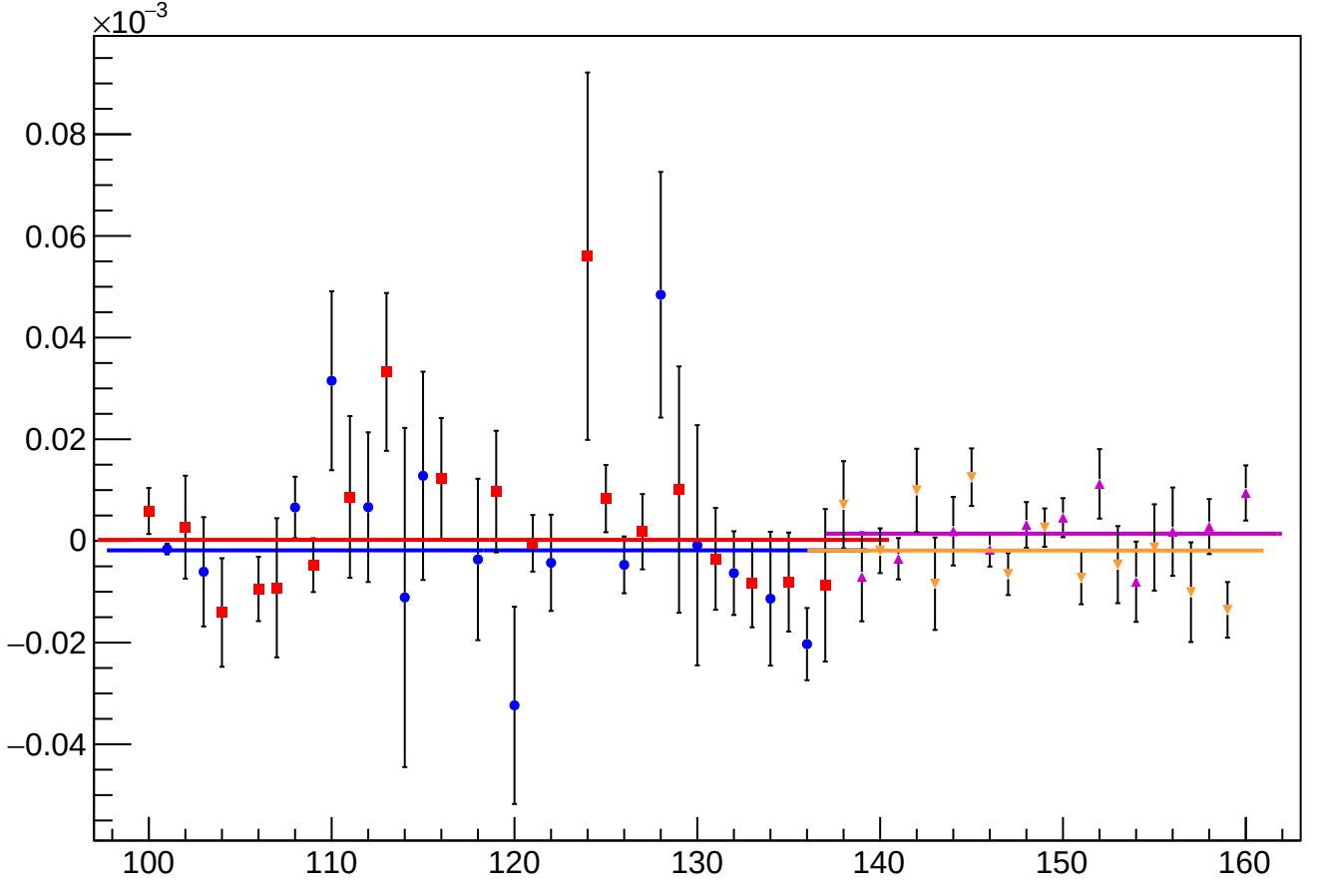
Left: 111.100+/-0.018 χ^2/NDF: 657048.9/22

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 109.719+/-0.019 χ^2/NDF:502893.8/26

Out: 111.933+/-0.020 χ^2/NDF:775175.8/30

All: 110.806+/-0.014 χ^2/NDF: 1284527.9/57



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:9.9/10

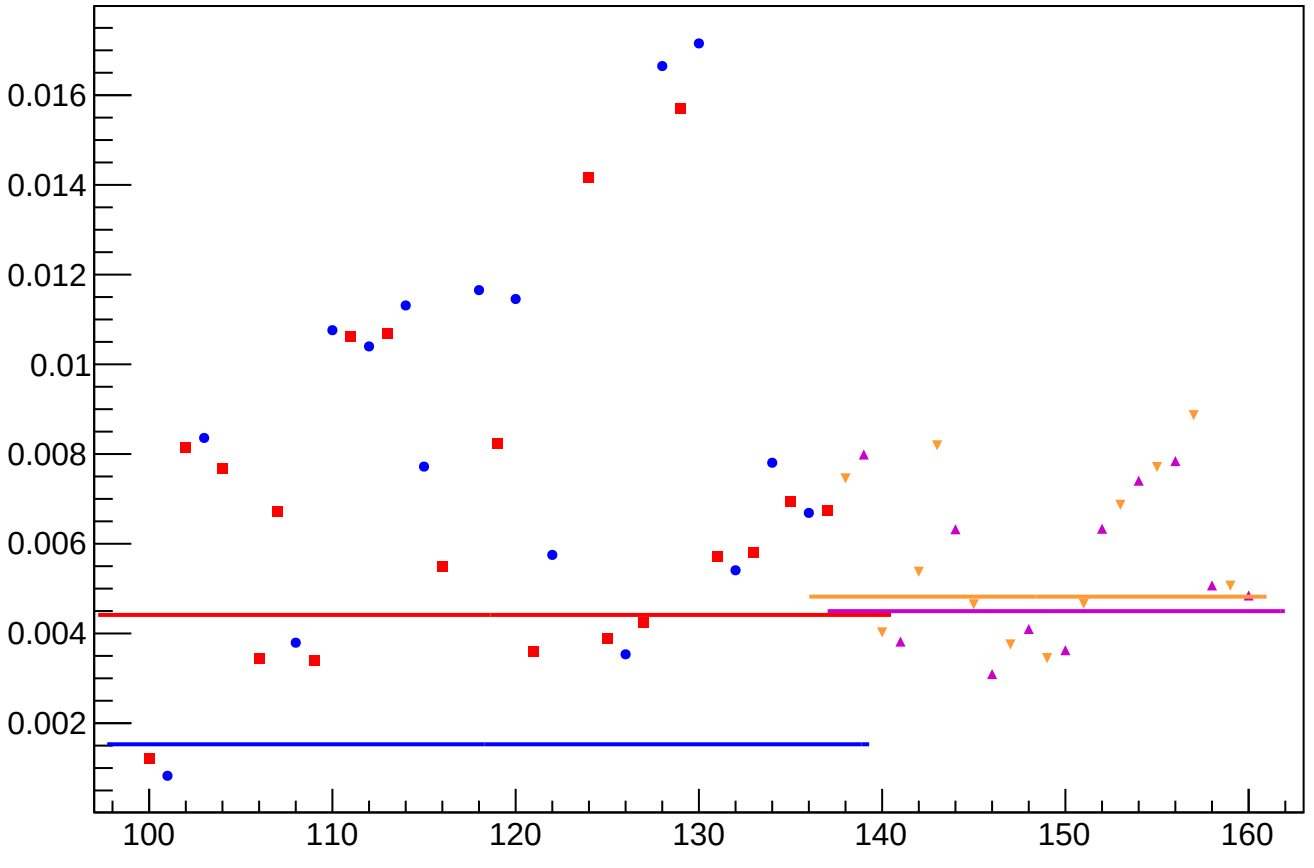
Left: -0.000+/-0.000 χ^2/NDF: 31.4/22

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.5/26

Out: -0.000+/-0.000 χ^2/NDF:39.9/30

All: -0.000+/-0.000 χ^2/NDF: 74.4/57



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:1740175.9/10

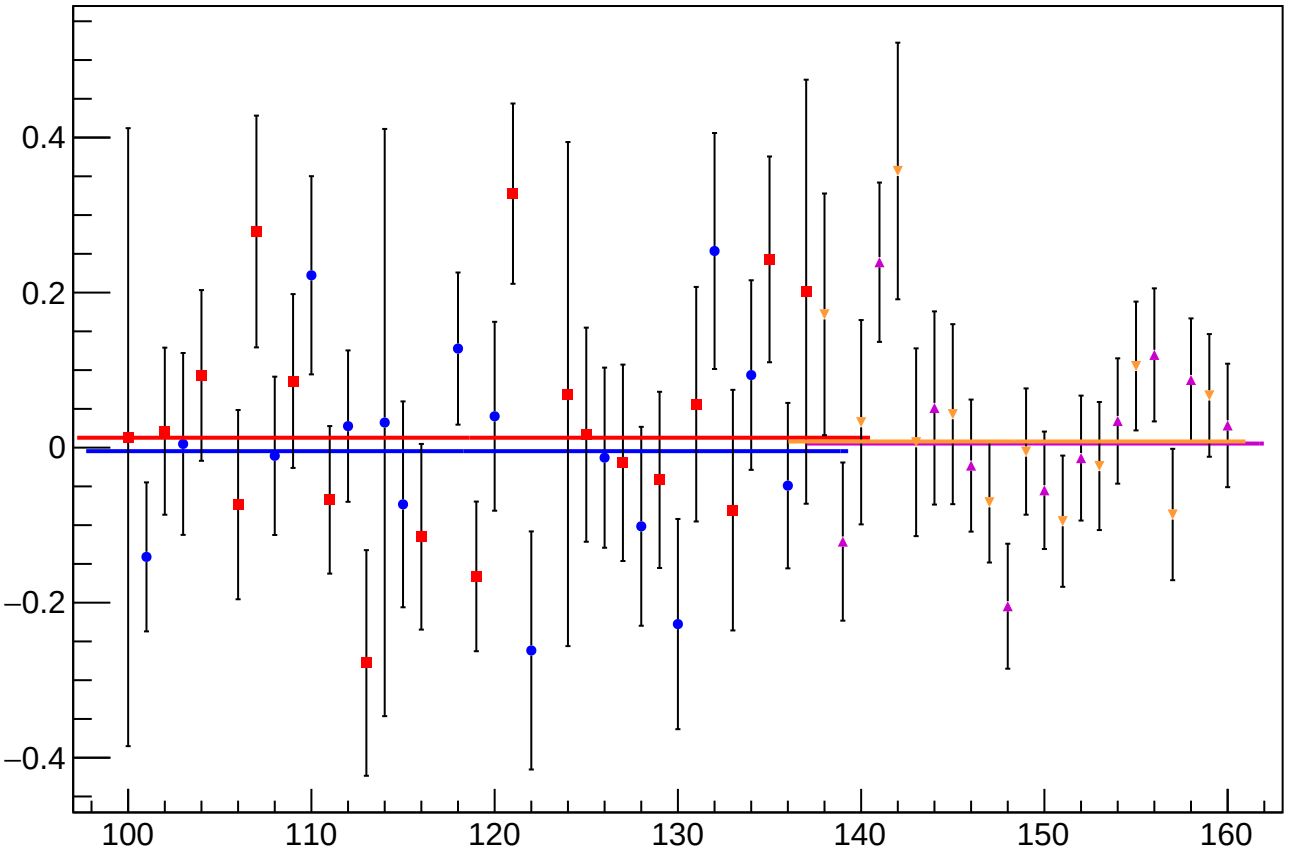
Left: 0.005+/-0.000 χ^2/NDF: 3441694.7/22

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:16286600.0/26

Out: 0.005+/-0.000 χ^2/NDF:5100152.9/30

All: 0.003+/-0.000 χ^2/NDF: 25957375.0/57


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
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−0.2
−0.4
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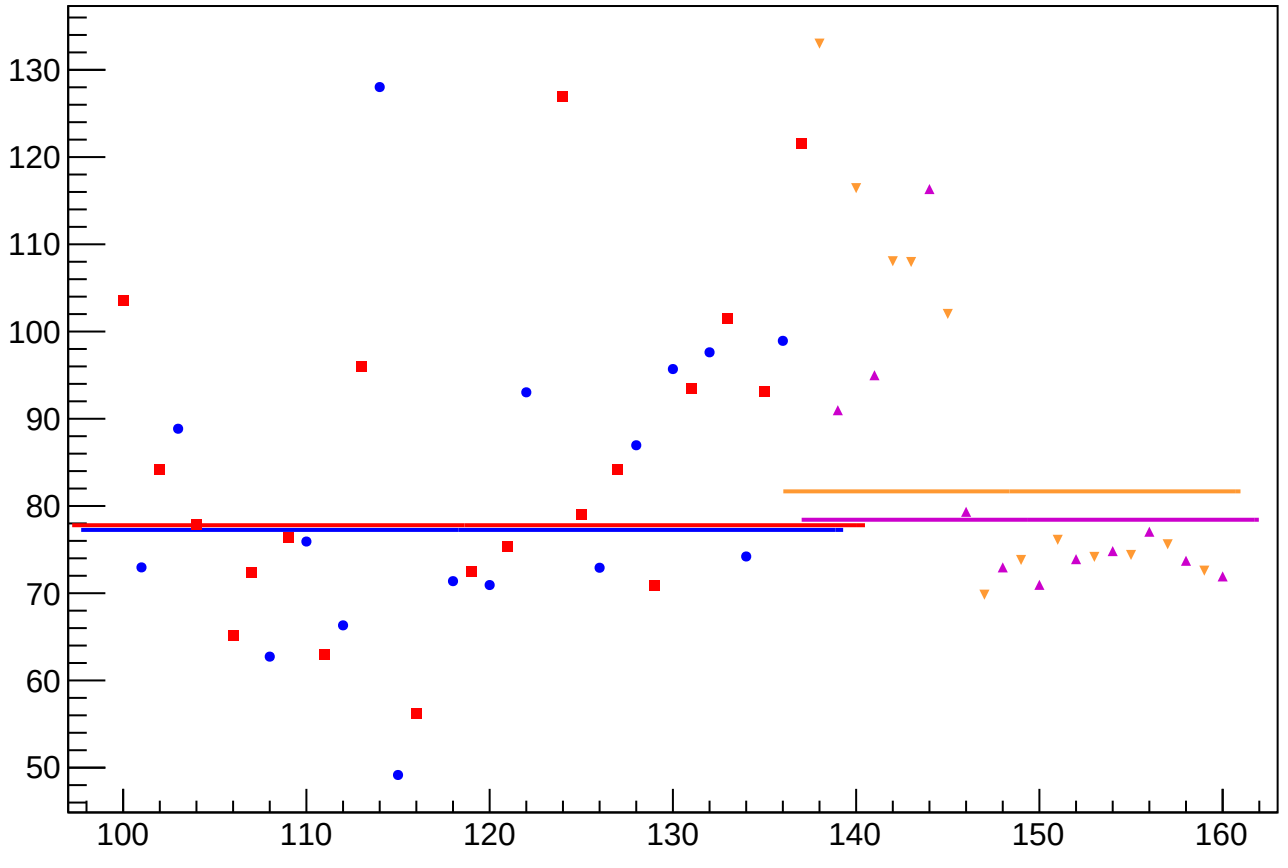
140
150
160
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.008+/-0.027 χ²/NDF:11.5/11
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.005+/-0.026 χ²/NDF:17.5/10
Left: 0.007+/-0.019 χ²/NDF: 29.0/22
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: 0.001+/-0.020 χ²/NDF:34.8/26
Out: 0.010+/-0.020 χ²/NDF:37.0/30
All: 0.005+/-0.014 χ²/NDF: 72.0/57



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: 78.423+/-0.018 χ^2/NDF:327250.4/10

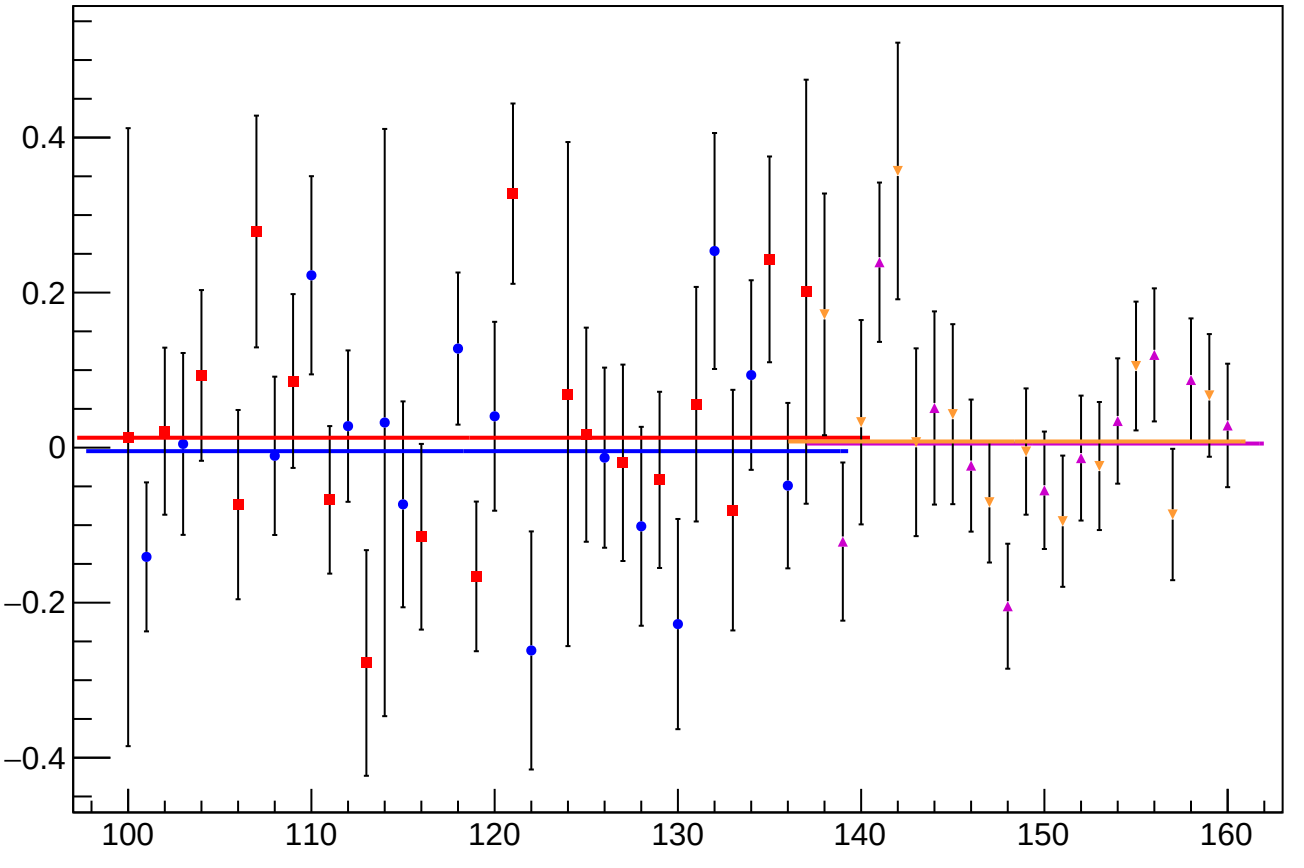
Left: 79.959+/-0.013 χ^2/NDF: 1046753.7/22

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 77.924+/-0.014 χ^2/NDF:748249.2/26

Out: 79.887+/-0.014 χ^2/NDF:1119571.9/30

All: 78.880+/-0.010 χ^2/NDF: 1877531.8/57


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
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100
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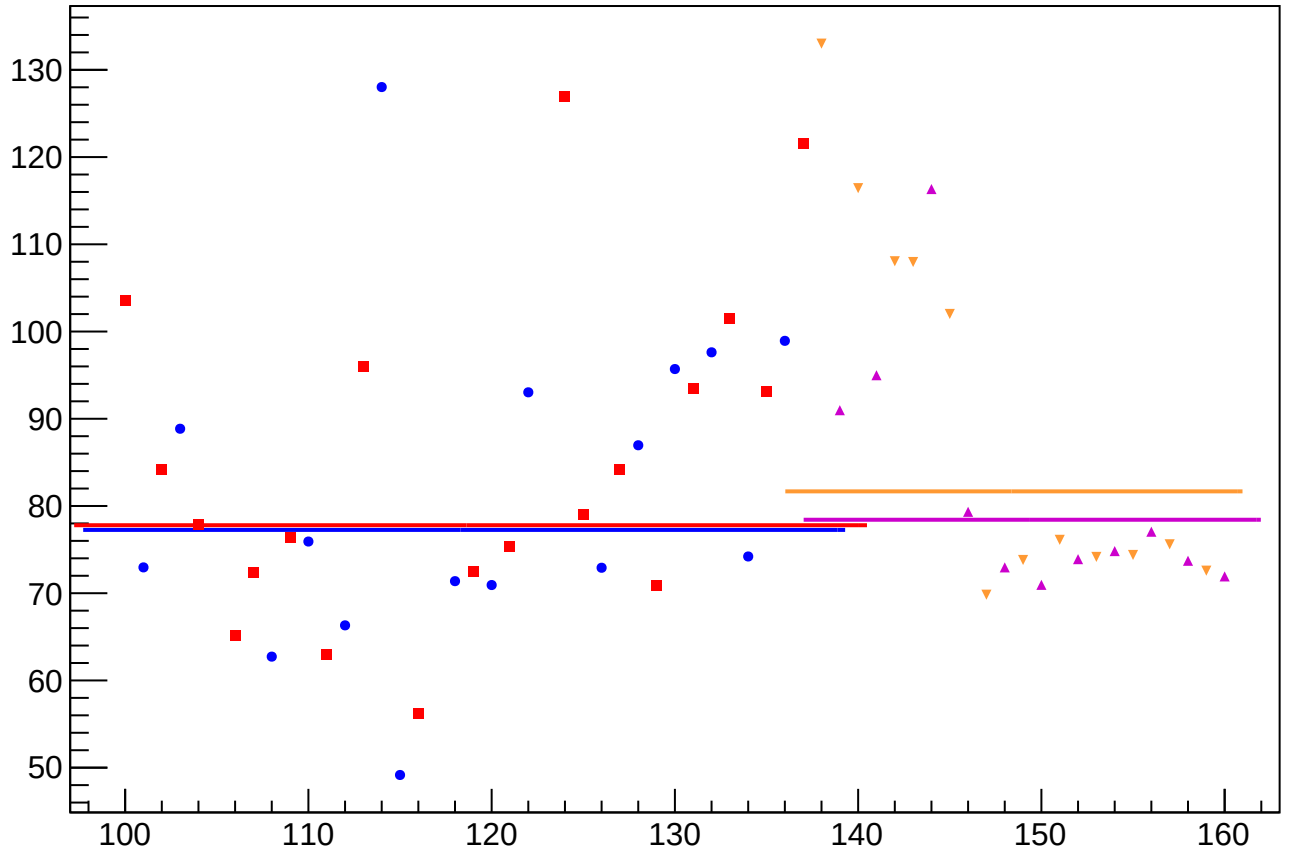
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.008+/-0.027 χ²/NDF:11.5/11
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.005+/-0.026 χ²/NDF:17.5/10
Left: 0.007+/-0.019 χ²/NDF: 29.0/22
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: 0.001+/-0.020 χ²/NDF:34.8/26
Out: 0.010+/-0.020 χ²/NDF:37.0/30
All: 0.005+/-0.014 χ²/NDF: 72.0/57



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: 78.423+/-0.018 χ^2/NDF:327250.4/10

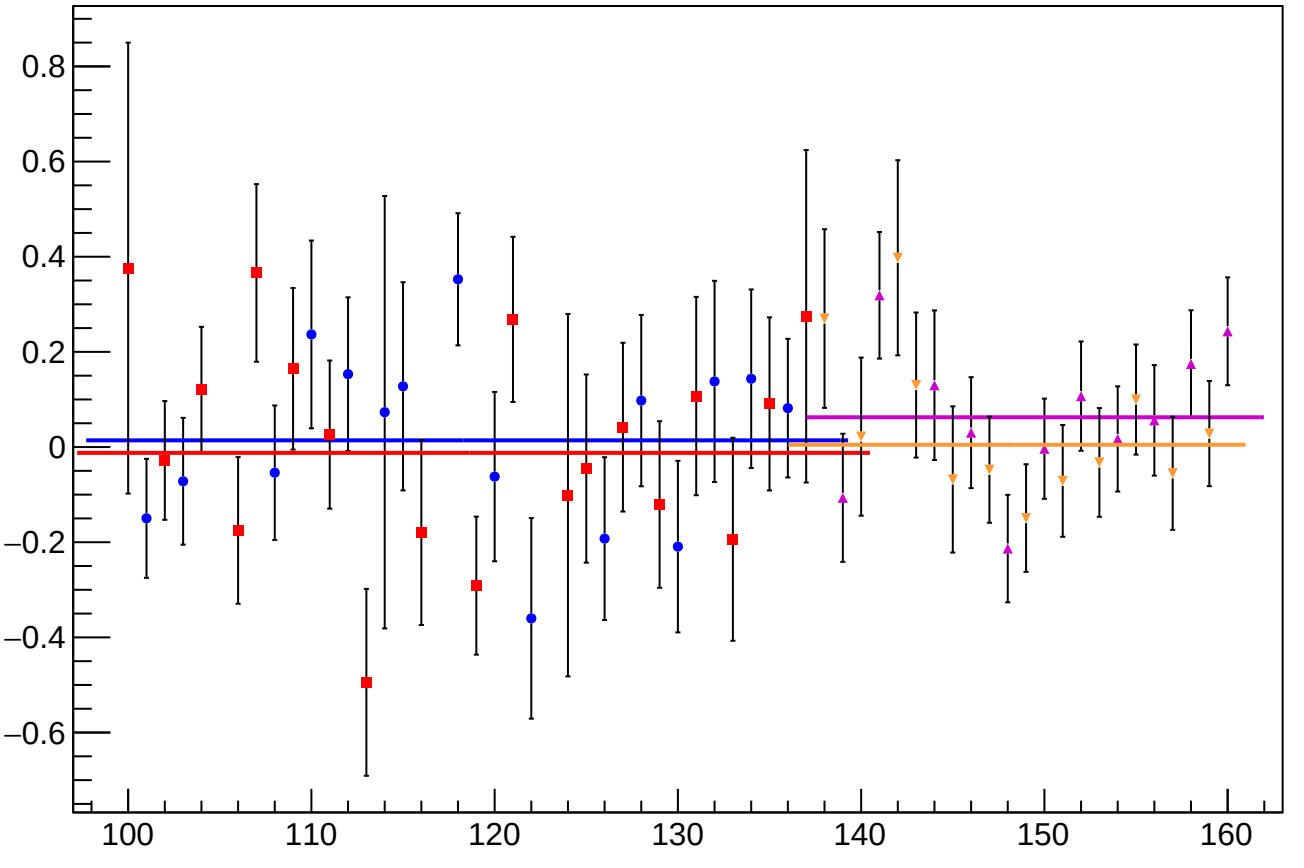
Left: 79.959+/-0.013 χ^2/NDF: 1046753.7/22

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 77.924+/-0.014 χ^2/NDF:748249.2/26

Out: 79.887+/-0.014 χ^2/NDF:1119571.9/30

All: 78.880+/-0.010 χ^2/NDF: 1877531.8/57



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: 0.063+/-0.036 χ^2/NDF:15.8/10

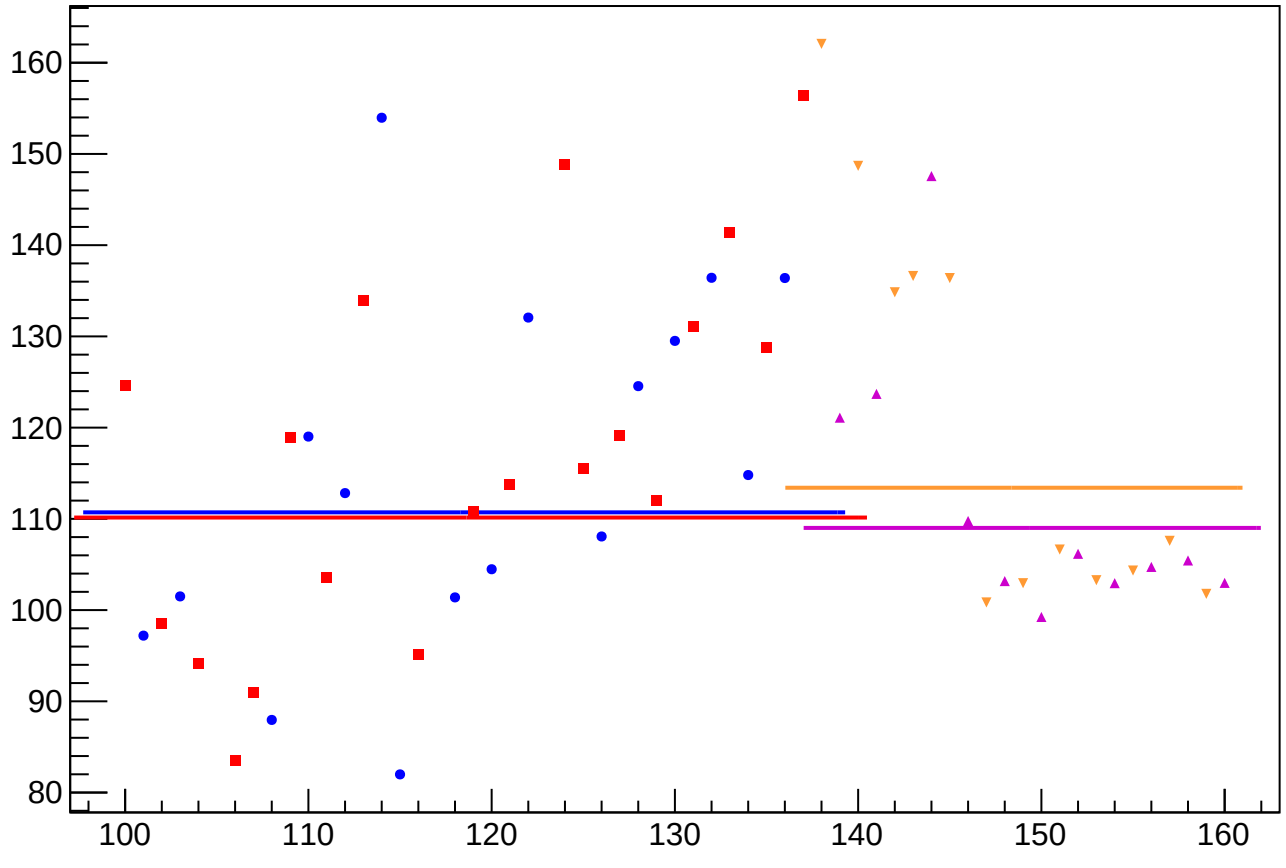
Left: 0.035+/-0.026 χ^2/NDF: 27.2/22

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.042+/-0.027 χ^2/NDF:34.7/26

Out: -0.003+/-0.028 χ^2/NDF:34.0/30

All: 0.020+/-0.019 χ^2/NDF: 70.1/57



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: 109.007+/-0.025 χ^2/NDF:201021.3/10

Left: 111.100+/-0.018 χ^2/NDF: 657050.6/22

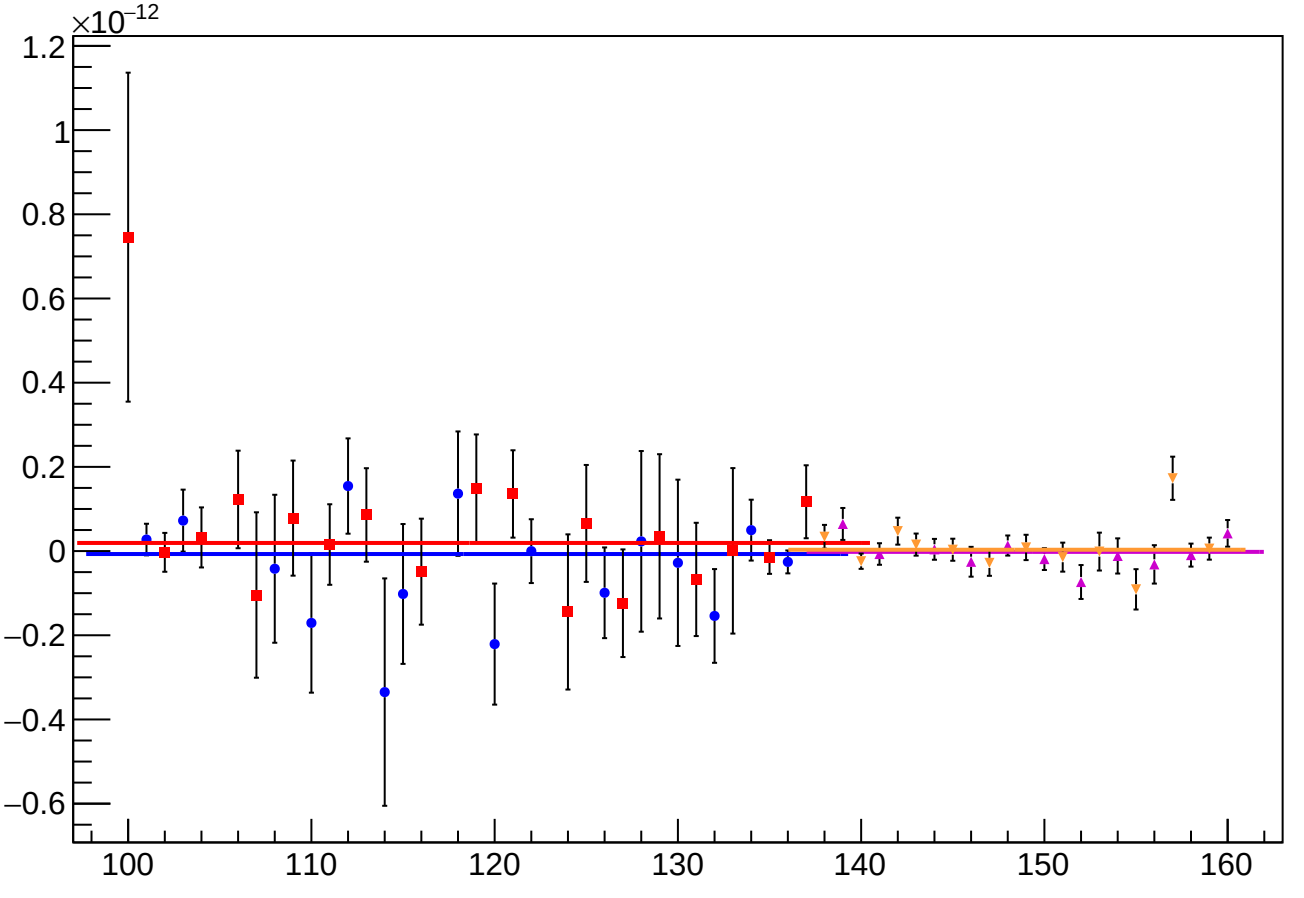
Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 109.719+/-0.019 χ^2/NDF:502869.6/26

Out: 111.932+/-0.020 χ^2/NDF:775149.0/30

All: 110.806+/-0.014 χ^2/NDF: 1284477.1/57

asym_usr_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:21.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/10

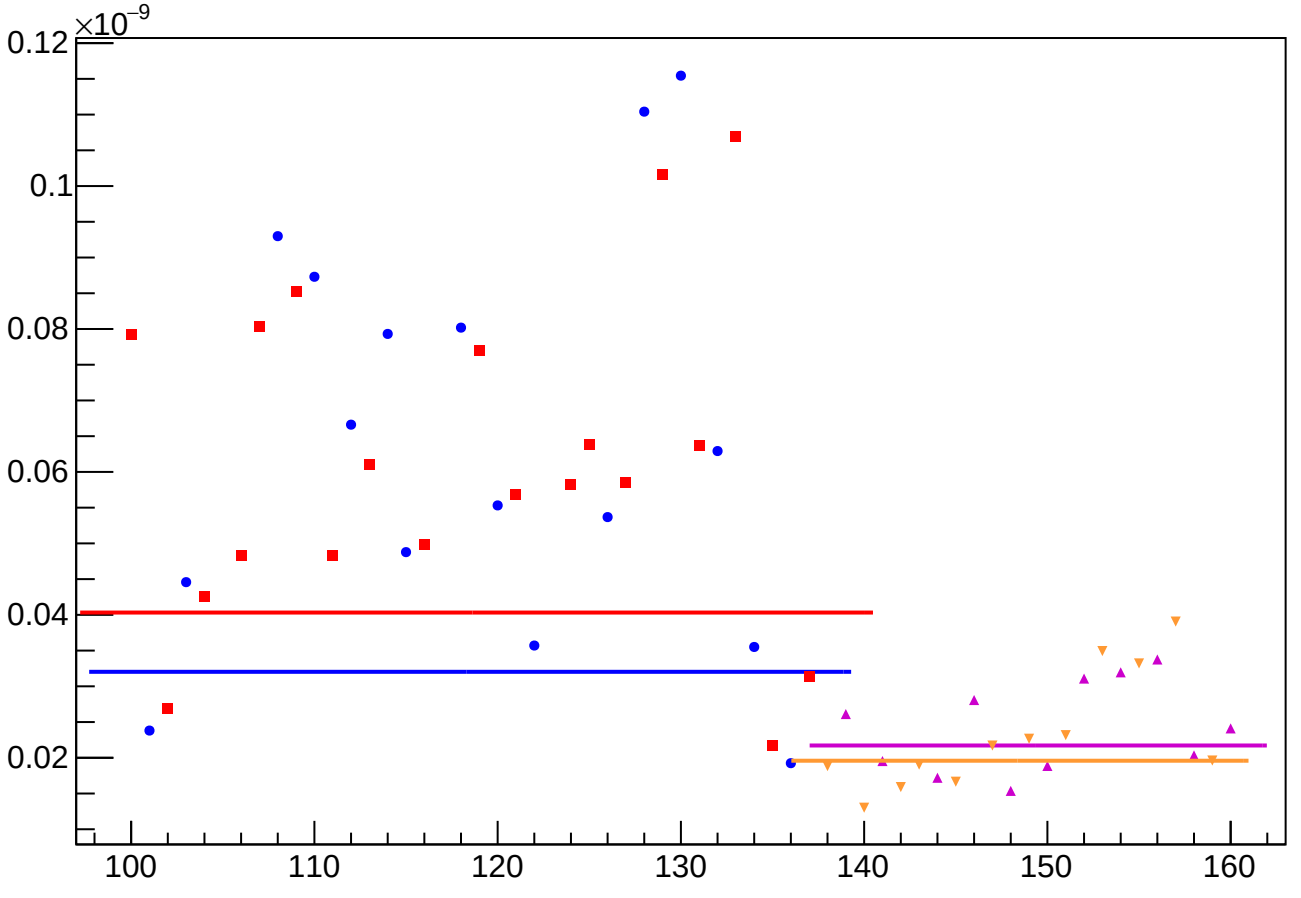
Left: 0.000+/-0.000 χ^2/NDF: 32.0/22

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:23.7/26

Out: 0.000+/-0.000 χ^2/NDF:34.8/30

All: 0.000+/-0.000 χ^2/NDF: 59.1/57



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:721994.0/10

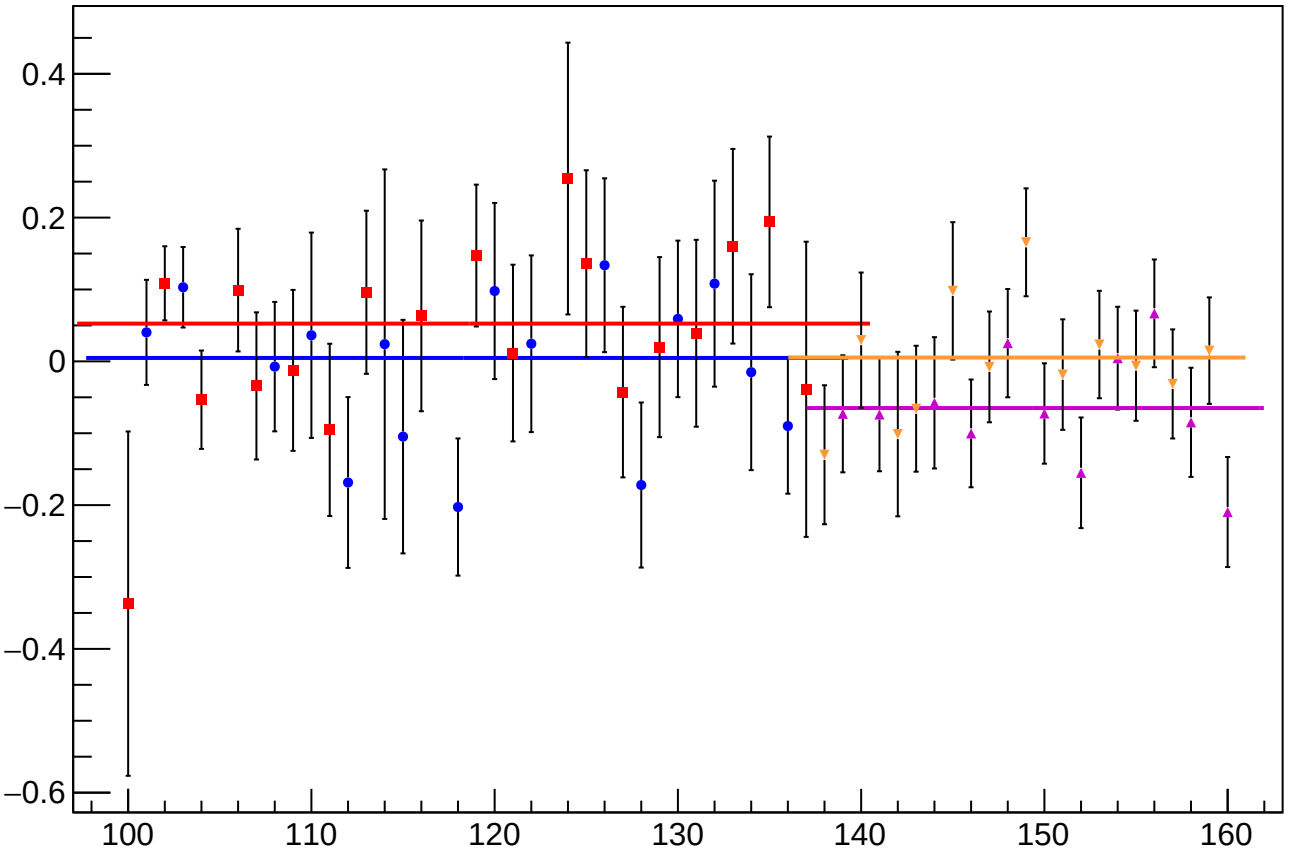
Left: 0.000+/-0.000 χ^2/NDF: 1831421.1/22

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3706050.8/26

Out: 0.000+/-0.000 χ^2/NDF:4578149.7/30

All: 0.000+/-0.000 χ^2/NDF: 8314780.4/57



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: -0.065+/-0.023 χ^2/NDF:10.7/10

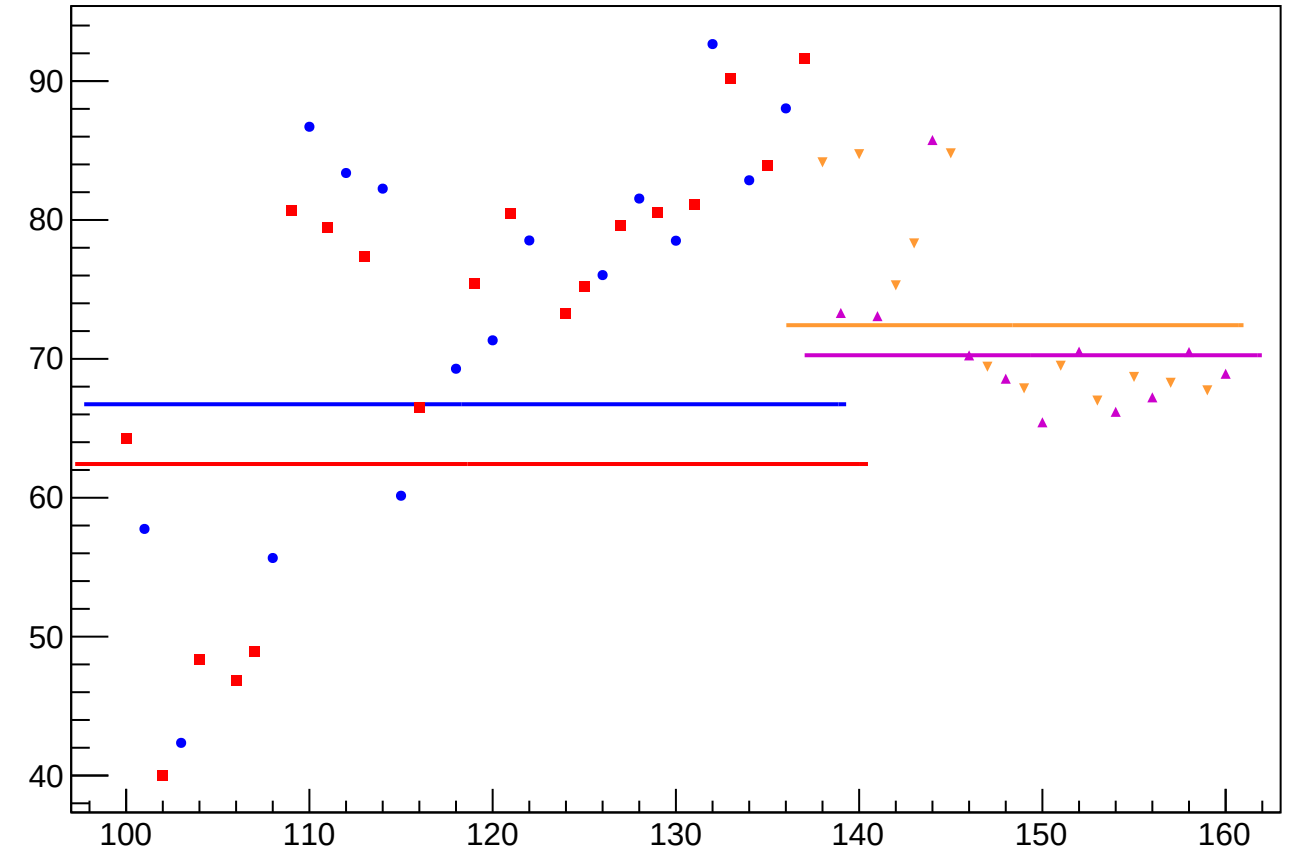
Left: -0.031+/-0.017 χ^2/NDF: 24.7/22

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.034+/-0.017 χ^2/NDF:31.4/26

Out: 0.029+/-0.017 χ^2/NDF:26.3/30

All: -0.002+/-0.012 χ^2/NDF: 64.4/57



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: 70.261+/-0.016 χ^2/NDF:83889.6/10

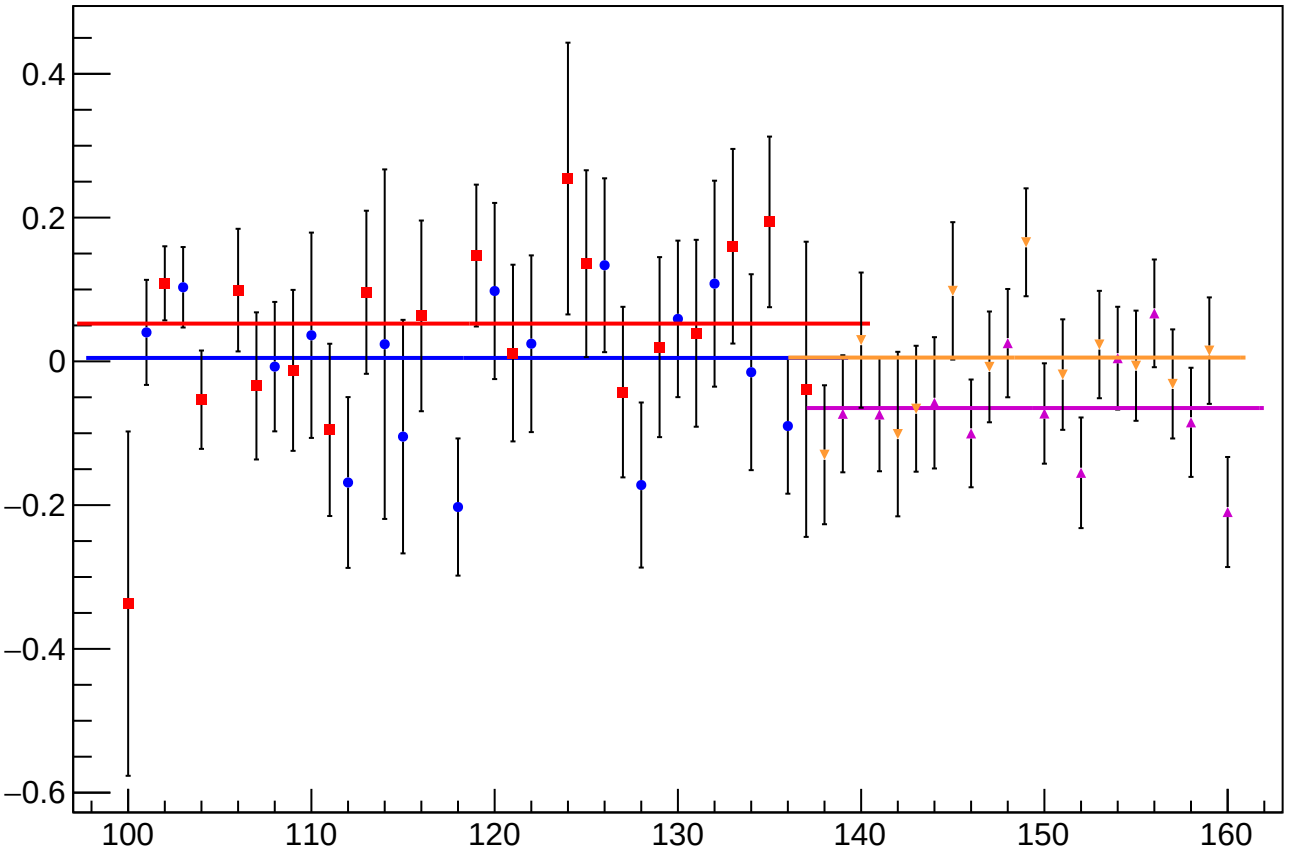
Left: 71.307+/-0.012 χ^2/NDF: 242414.4/22

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.699+/-0.012 χ^2/NDF:921328.5/26

Out: 67.474+/-0.012 χ^2/NDF:1437937.7/30

All: 68.076+/-0.009 χ^2/NDF: 2364395.1/57



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: -0.065+/-0.023 χ^2/NDF:10.7/10

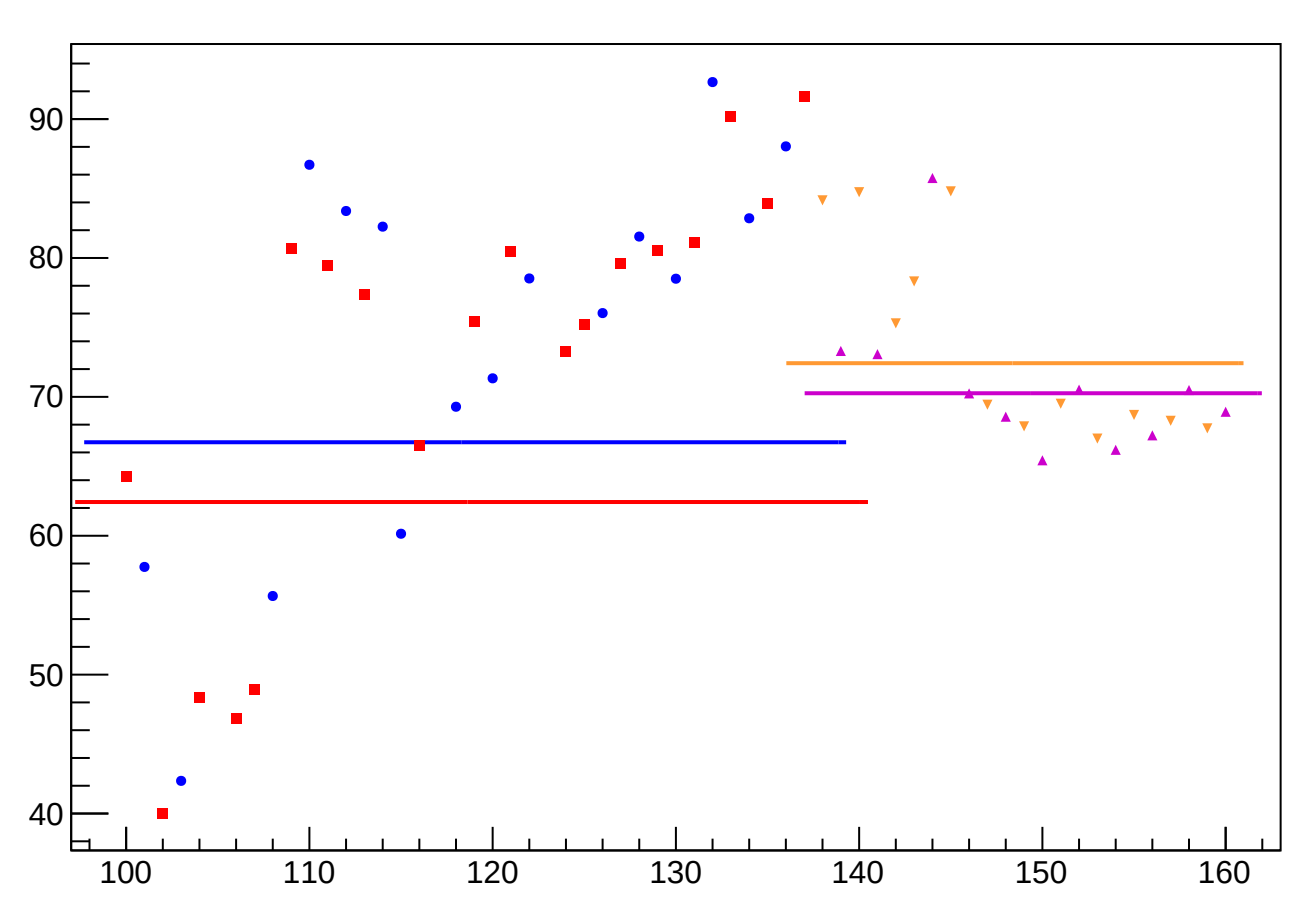
Left: -0.031+/-0.017 χ^2/NDF: 24.7/22

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.034+/-0.017 χ^2/NDF:31.4/26

Out: 0.029+/-0.017 χ^2/NDF:26.3/30

All: -0.002+/-0.012 χ^2/NDF: 64.4/57



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: 70.261+/-0.016 χ^2/NDF:83889.6/10

Left: 71.307+/-0.012 χ^2/NDF: 242414.4/22

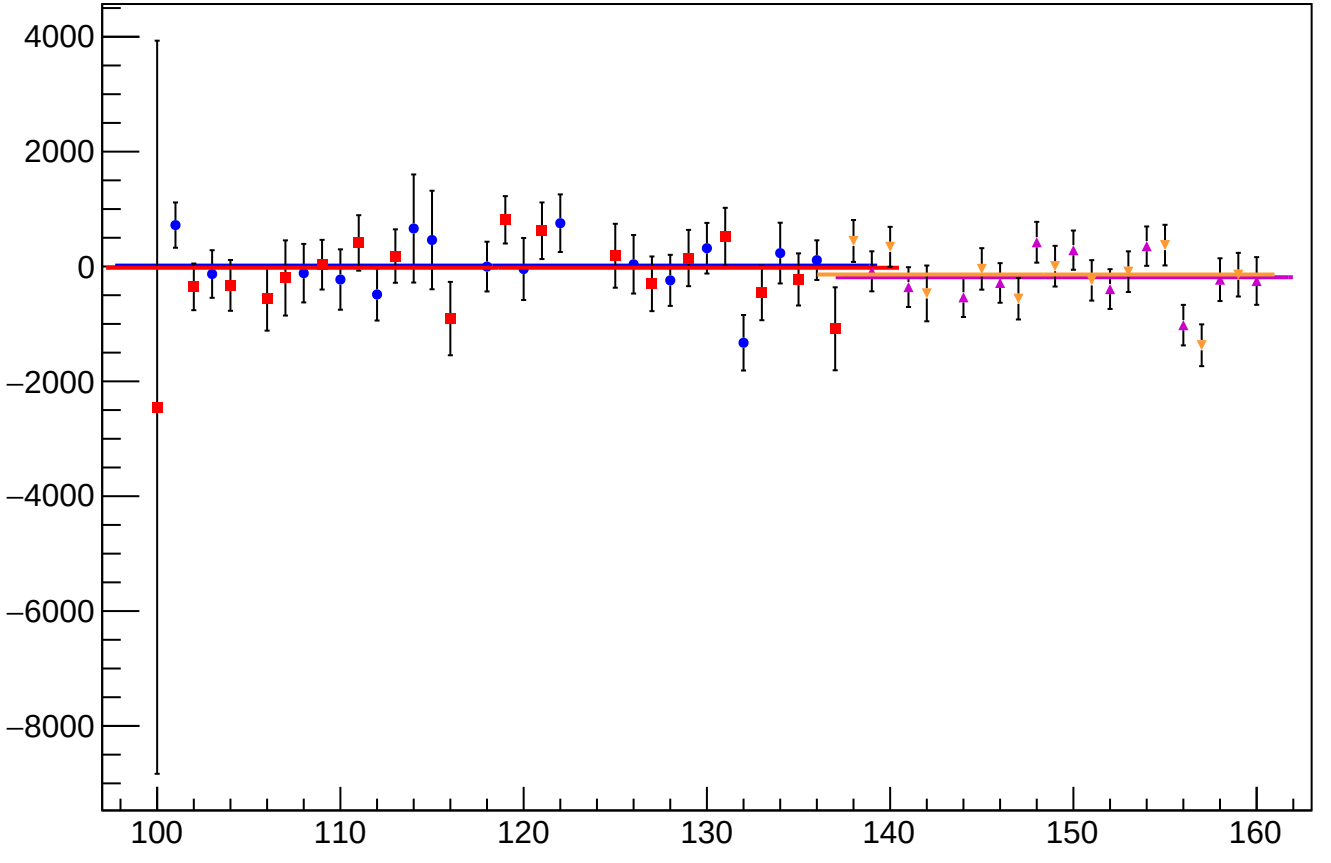
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.699+/-0.012 χ^2/NDF:921328.5/26

Out: 67.474+/-0.012 χ^2/NDF:1437937.7/30

All: 68.076+/-0.009 χ^2/NDF: 2364395.1/57

asym_dsl_mean vs Slug, Sign Corrected



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: -187.102+/-106.692 χ^2/NDF:14.8/10

Left: -164.253+/-76.786 χ^2/NDF: 35.1/21

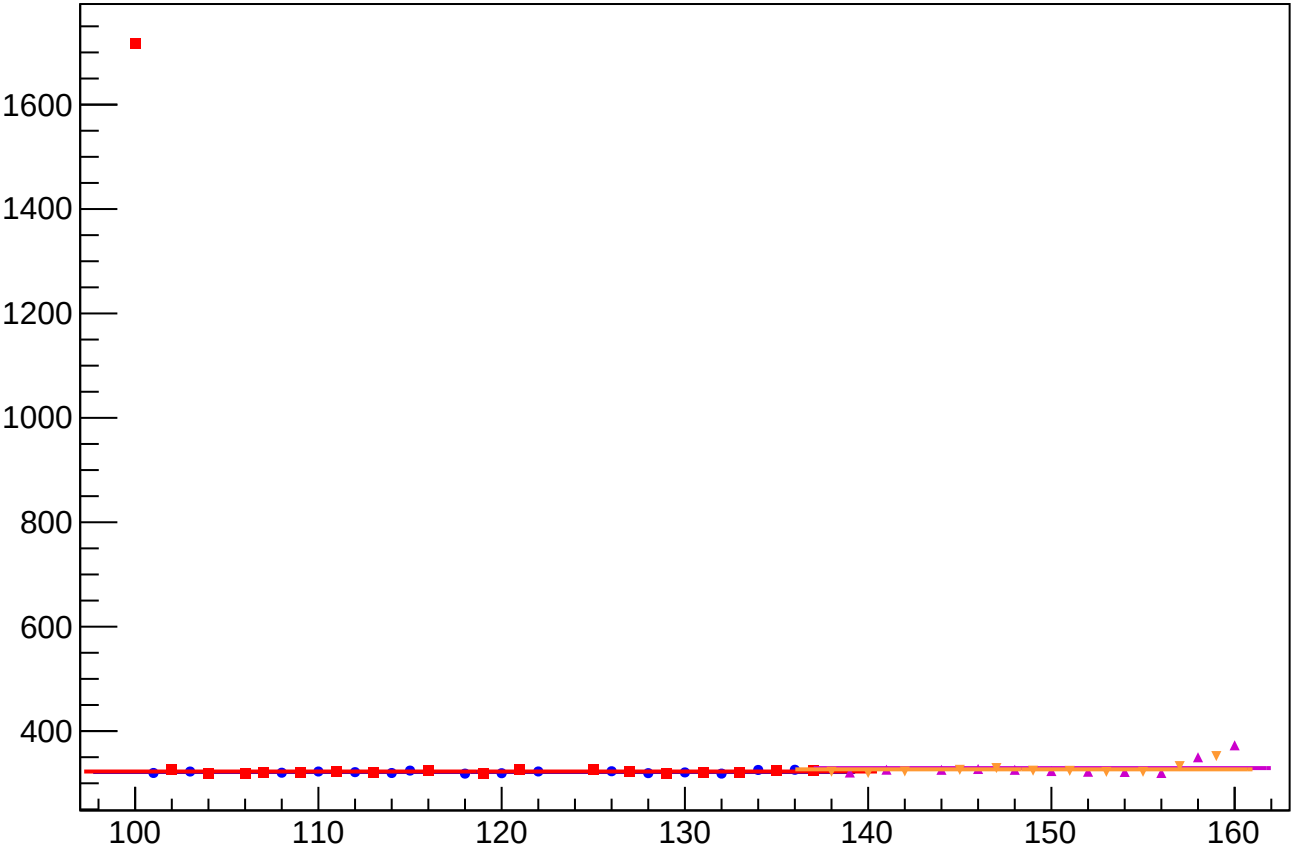
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -97.171+/-79.567 χ^2/NDF:32.9/26

Out: -85.325+/-81.078 χ^2/NDF:36.7/28

All: -91.359+/-56.789 χ^2/NDF: 69.6/55

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: 329.101+/-0.075 χ^2/NDF:33693.5/10

Left: 327.956+/-0.054 χ^2/NDF: 45973.0/21

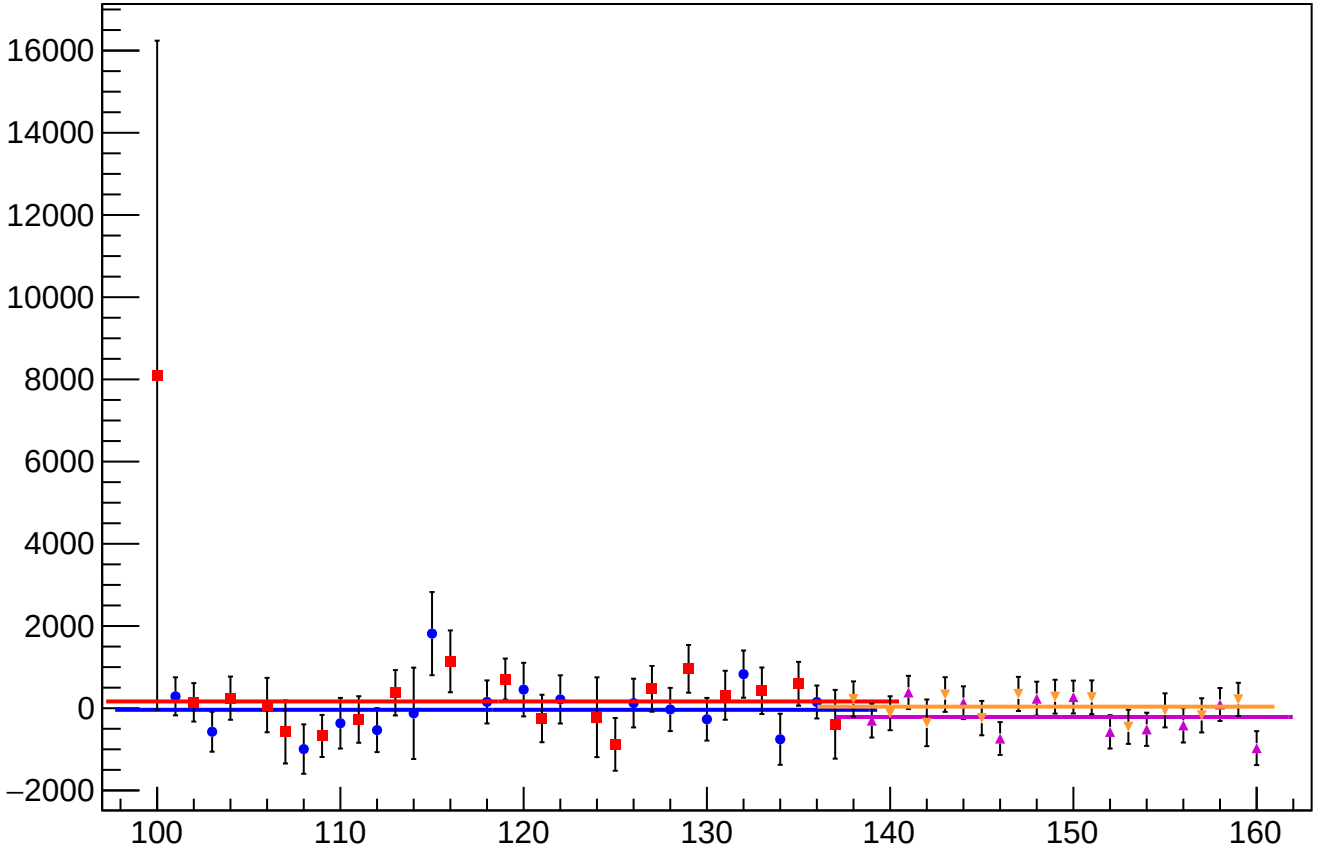
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 325.774+/-0.056 χ^2/NDF:38899.5/26

Out: 324.796+/-0.057 χ^2/NDF:110010.7/28

All: 325.294+/-0.040 χ^2/NDF: 149058.5/55

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: -213.523+/-122.392 χ^2/NDF:12.9/10

Left: -87.703+/-86.497 χ^2/NDF: 19.9/22

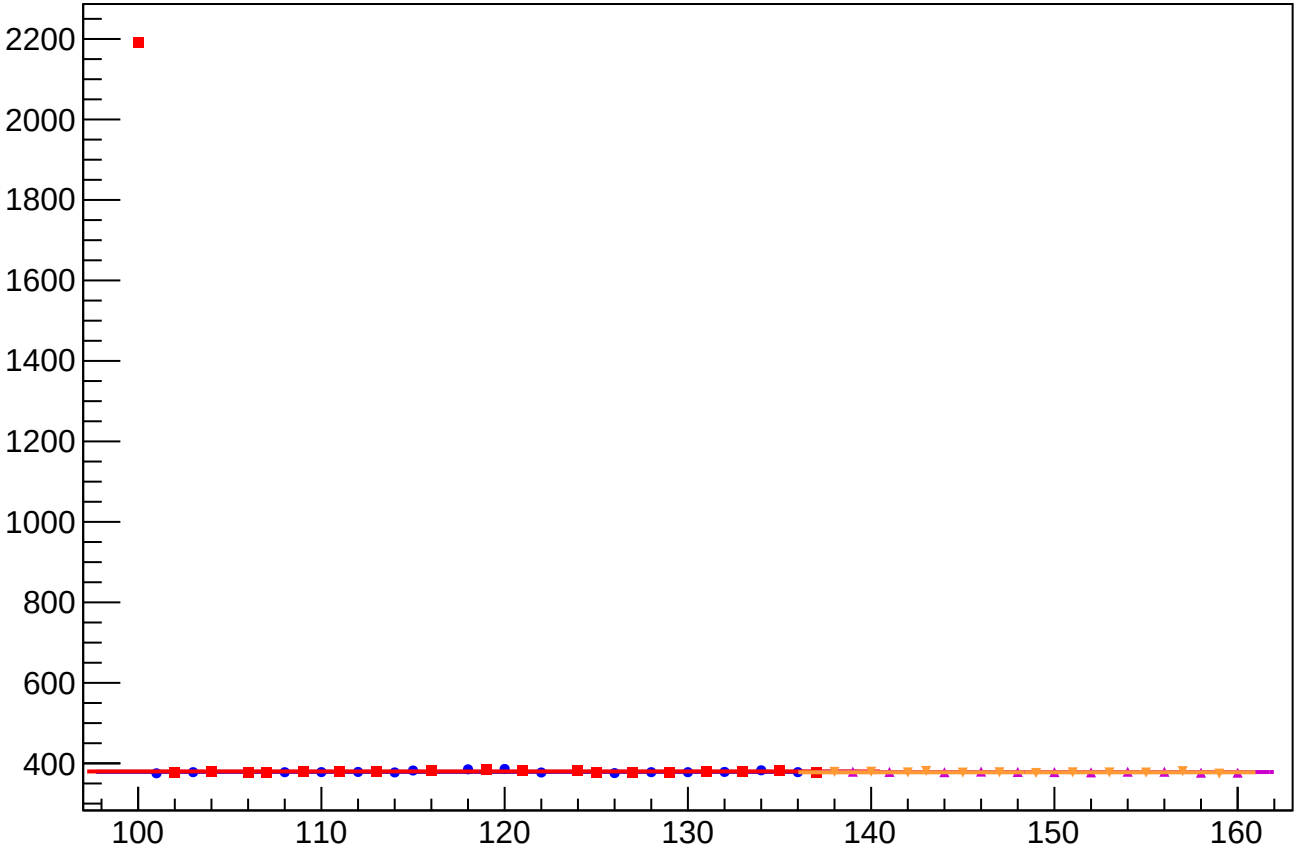
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -138.323+/-92.349 χ^2/NDF:27.5/26

Out: 93.168+/-91.791 χ^2/NDF:20.4/30

All: -21.876+/-65.102 χ^2/NDF: 51.1/57

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: 378.401+/-0.087 χ^2/NDF:112.6/10

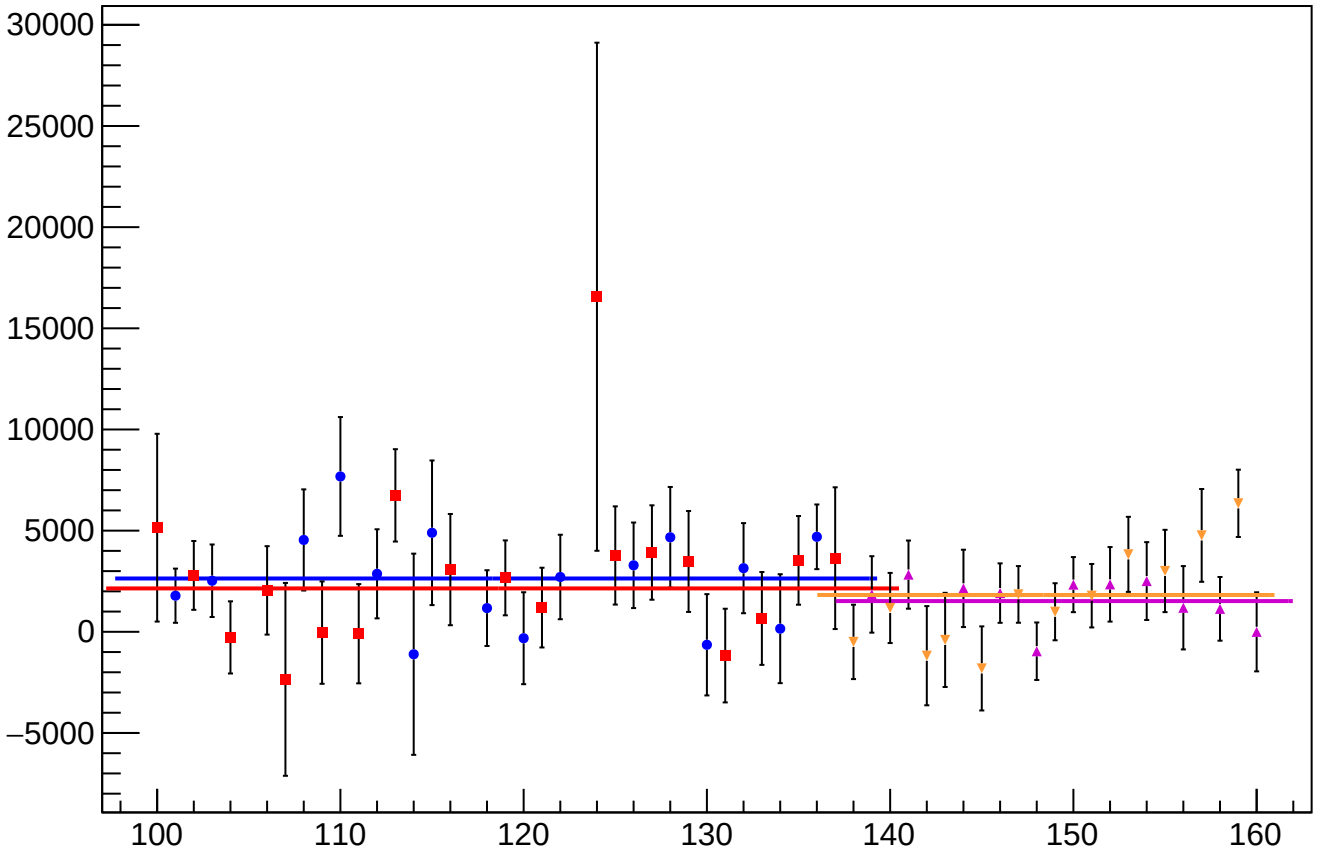
Left: 378.103+/-0.061 χ^2/NDF: 582.3/22

Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.620+/-0.065 χ^2/NDF:978.7/26

Out: 378.710+/-0.065 χ^2/NDF:100318.0/30

All: 378.665+/-0.046 χ^2/NDF: 101297.7/57



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: 1518.844+/-508.321 χ^2/NDF:5.4/10

Left: 1666.505+/-363.106 χ^2/NDF: 23.6/22

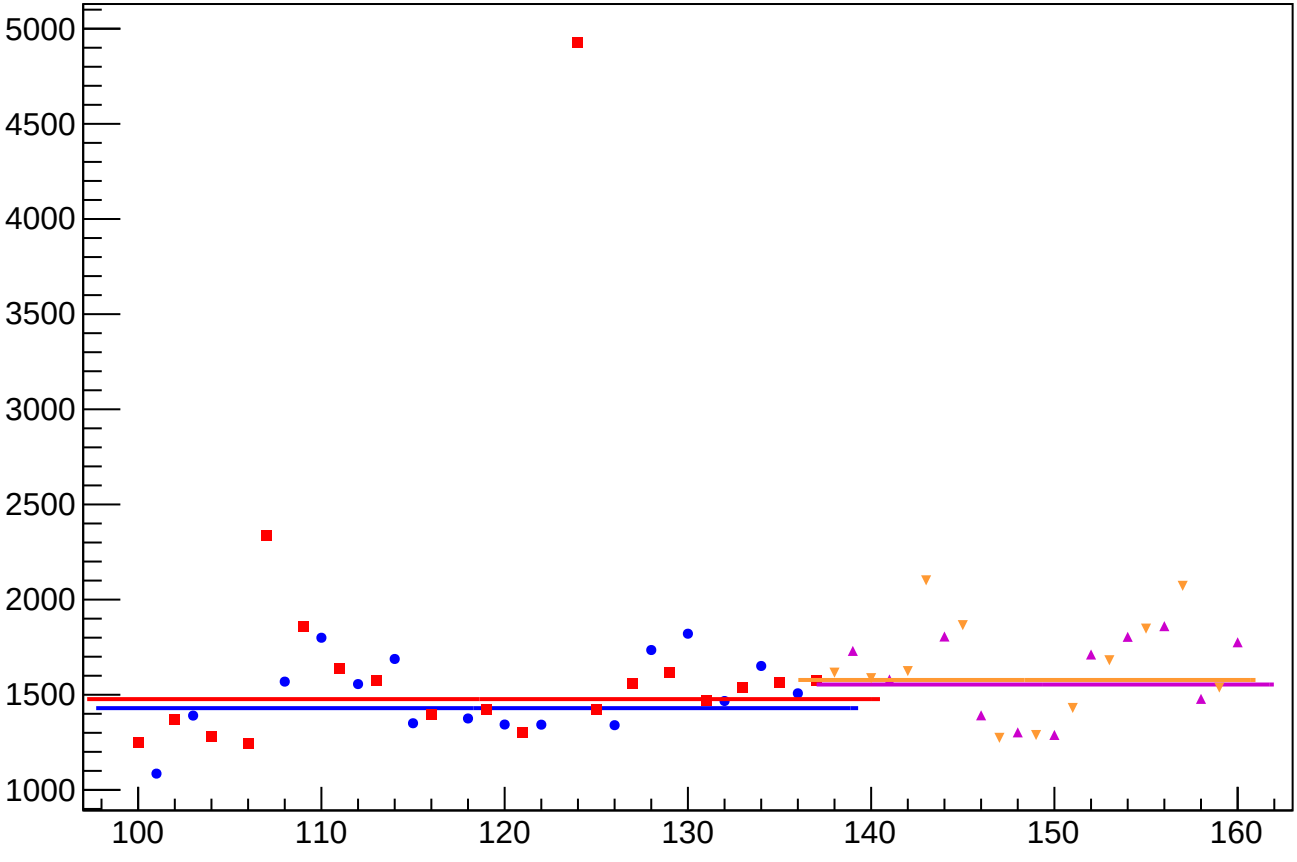
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2045.439+/-369.495 χ^2/NDF:19.9/26

Out: 1973.918+/-376.433 χ^2/NDF:33.3/30

All: 2010.344+/-263.691 χ^2/NDF: 53.3/57

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: 1553.828+/-0.359 χ^2/NDF:338716.8/10

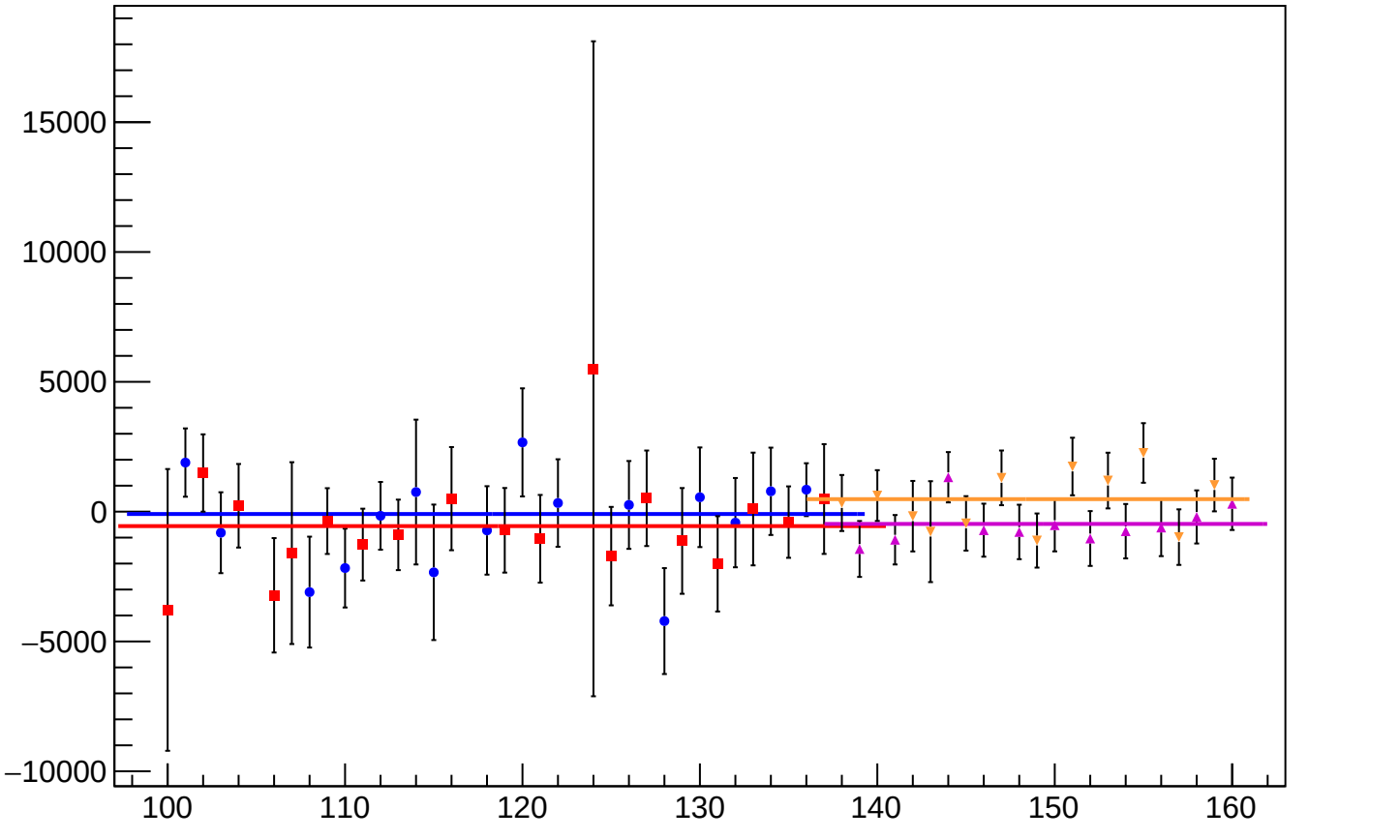
Left: 1565.541+/-0.257 χ^2/NDF: 813875.3/22

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1495.264+/-0.261 χ^2/NDF:688392.7/26

Out: 1530.086+/-0.266 χ^2/NDF:878045.0/30

All: 1512.351+/-0.186 χ^2/NDF: 1575154.2/57



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: -473.537+/-309.299 χ^2/NDF:5.8/10

Left: -13.065+/-222.572 χ^2/NDF: 21.1/22

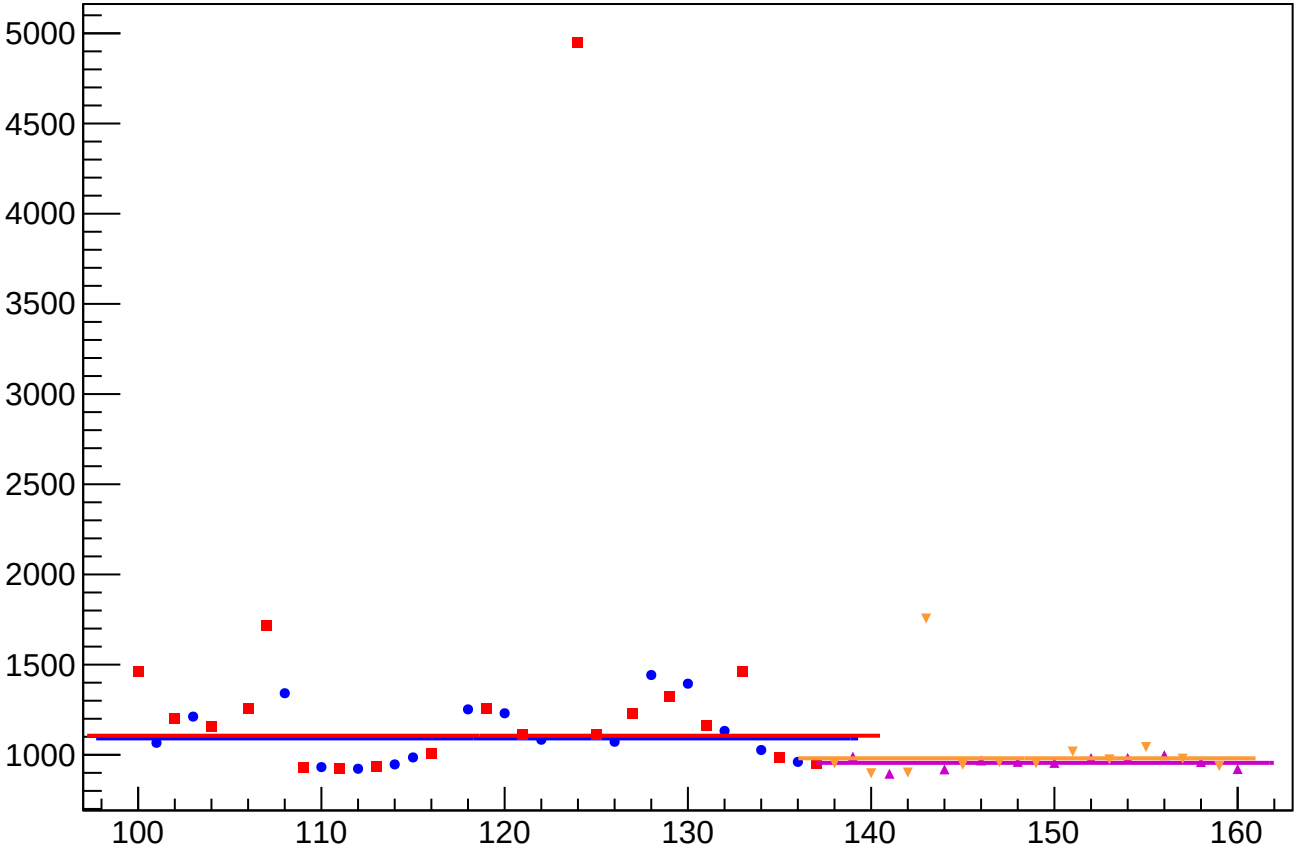
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -334.886+/-246.909 χ^2/NDF:20.9/26

Out: 89.191+/-252.833 χ^2/NDF:21.4/30

All: -127.874+/-176.648 χ^2/NDF: 43.8/57

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: 955.539+/-0.219 χ^2/NDF:21229.1/10

Left: 967.722+/-0.157 χ^2/NDF: 384713.4/22

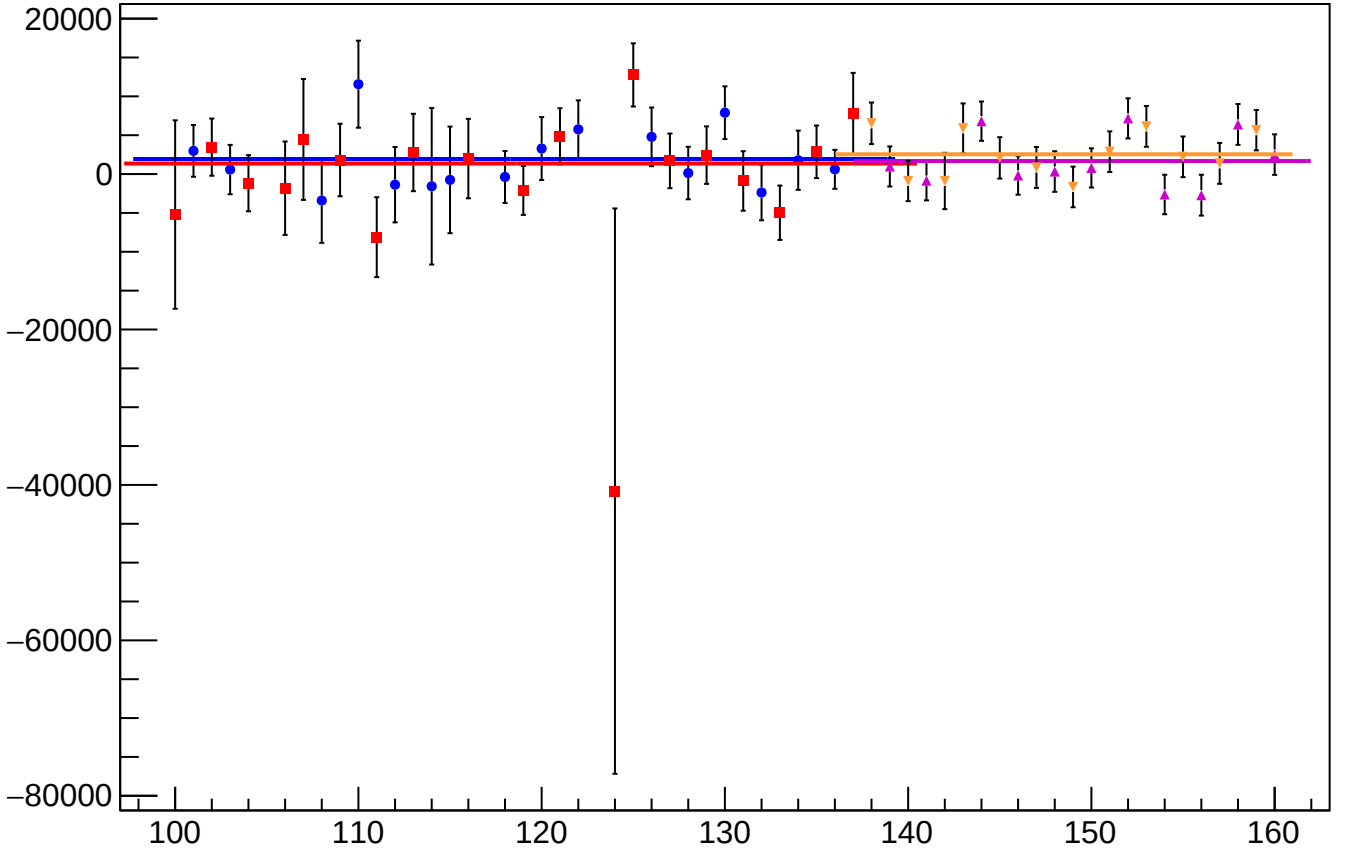
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1004.691+/-0.175 χ^2/NDF:437773.2/26

Out: 1028.121+/-0.179 χ^2/NDF:986500.9/30

All: 1016.128+/-0.125 χ^2/NDF: 1433065.3/57

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: 1675.559+/-773.857 χ^2/NDF:19.6/10

Left: 2105.078+/-551.031 χ^2/NDF: 32.8/22

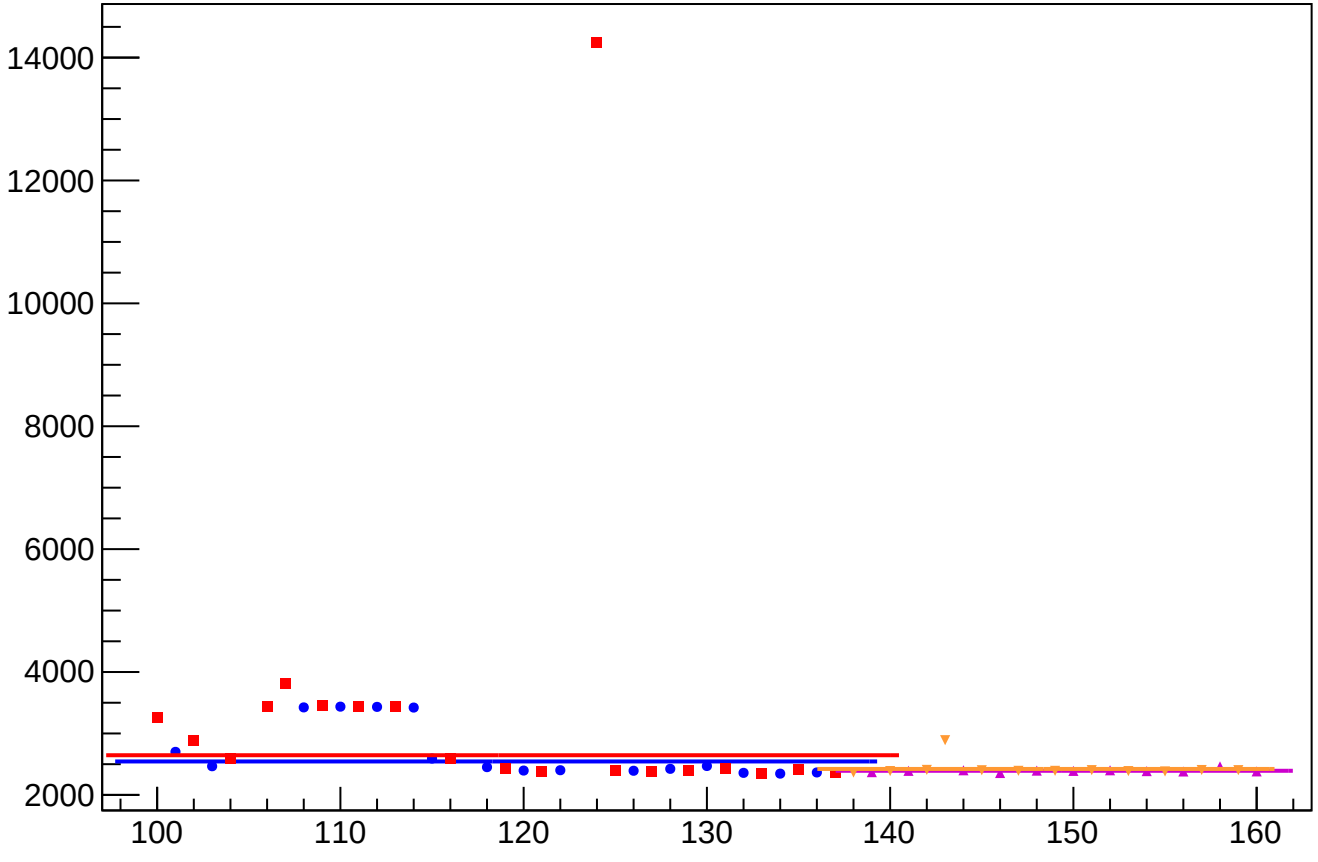
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1780.563+/-600.626 χ^2/NDF:31.9/26

Out: 2083.489+/-613.830 χ^2/NDF:35.2/30

All: 1928.733+/-429.299 χ^2/NDF: 67.2/57

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: 2392.549+/-0.547 χ^2/NDF:2171.7/10

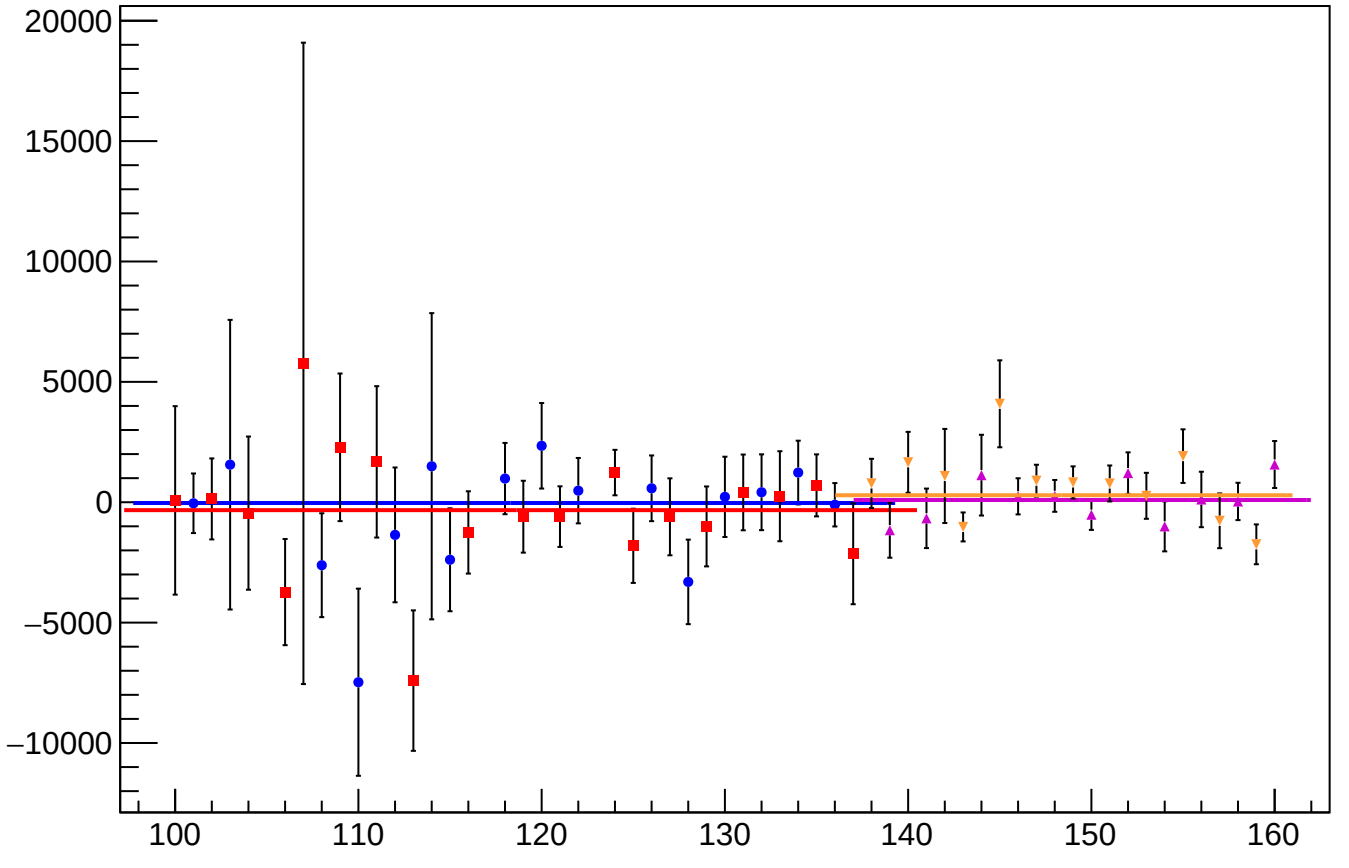
Left: 2407.229+/-0.390 χ^2/NDF: 49604.8/22

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2452.931+/-0.425 χ^2/NDF:258411.0/26

Out: 2509.032+/-0.434 χ^2/NDF:645813.1/30

All: 2480.372+/-0.304 χ^2/NDF: 912759.0/57



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: 92.185+/-266.434 χ^2/NDF:8.1/10

Left: 195.985+/-184.226 χ^2/NDF: 30.1/22

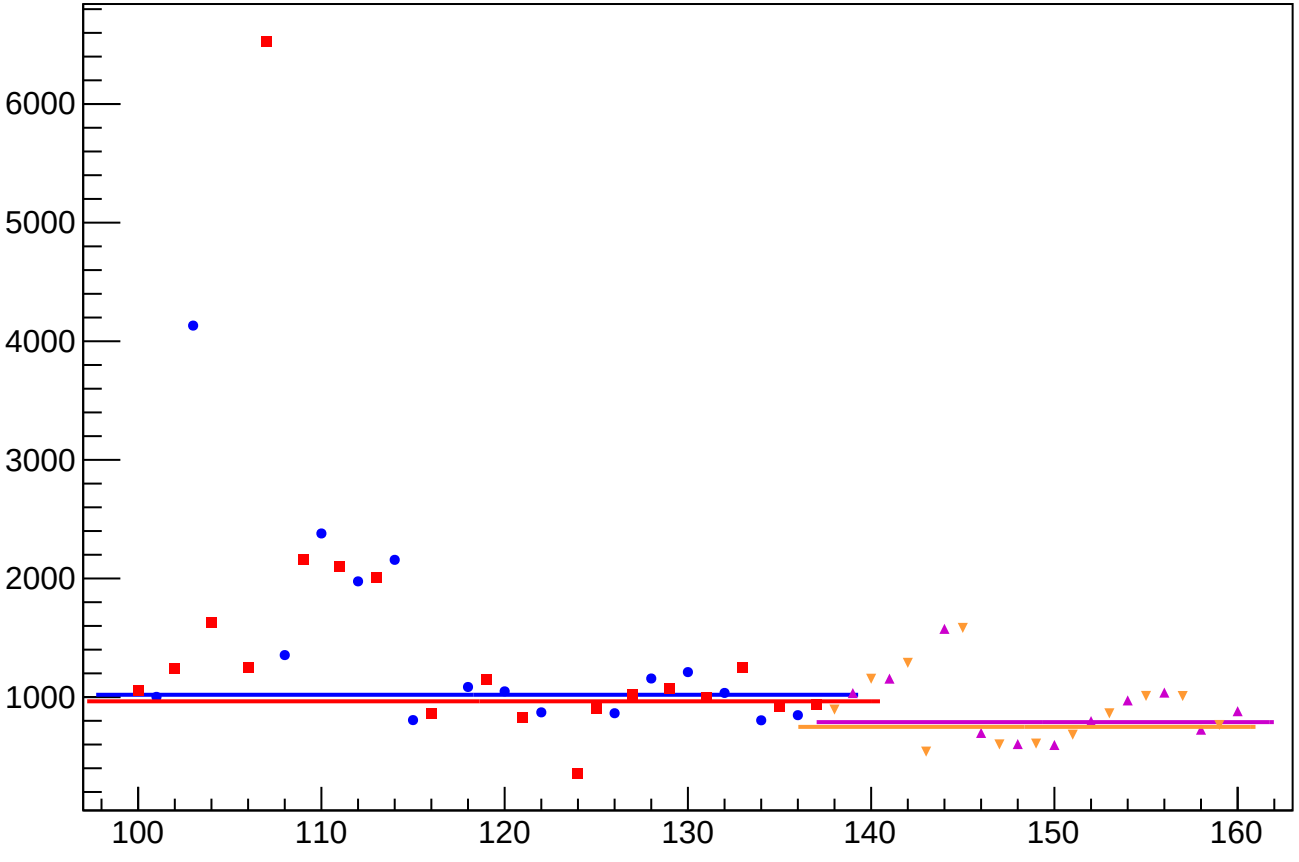
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 55.011+/-222.707 χ^2/NDF:21.9/26

Out: 111.121+/-214.806 χ^2/NDF:39.1/30

All: 84.079+/-154.608 χ^2/NDF: 61.1/57

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: 788.975+/-0.188 χ^2/NDF:1266532.9/10

Left: 768.013+/-0.130 χ^2/NDF: 2805159.4/22

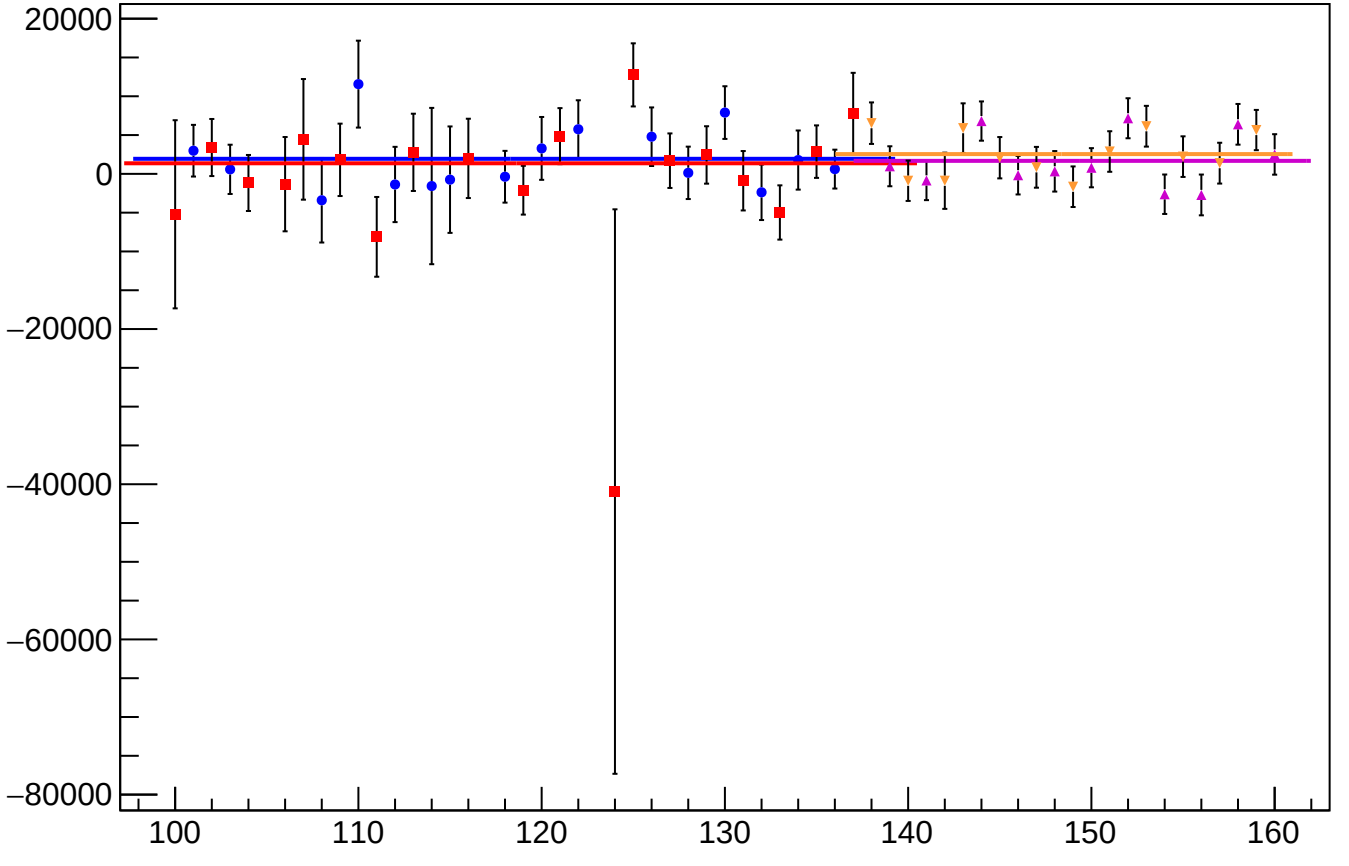
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 858.439+/-0.157 χ^2/NDF:3082485.3/26

Out: 811.424+/-0.152 χ^2/NDF:4239385.5/30

All: 834.083+/-0.109 χ^2/NDF: 7368046.5/57

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: 1675.722+/-773.857 χ^2/NDF:19.6/10

Left: 2105.109+/-551.031 χ^2/NDF: 32.8/22

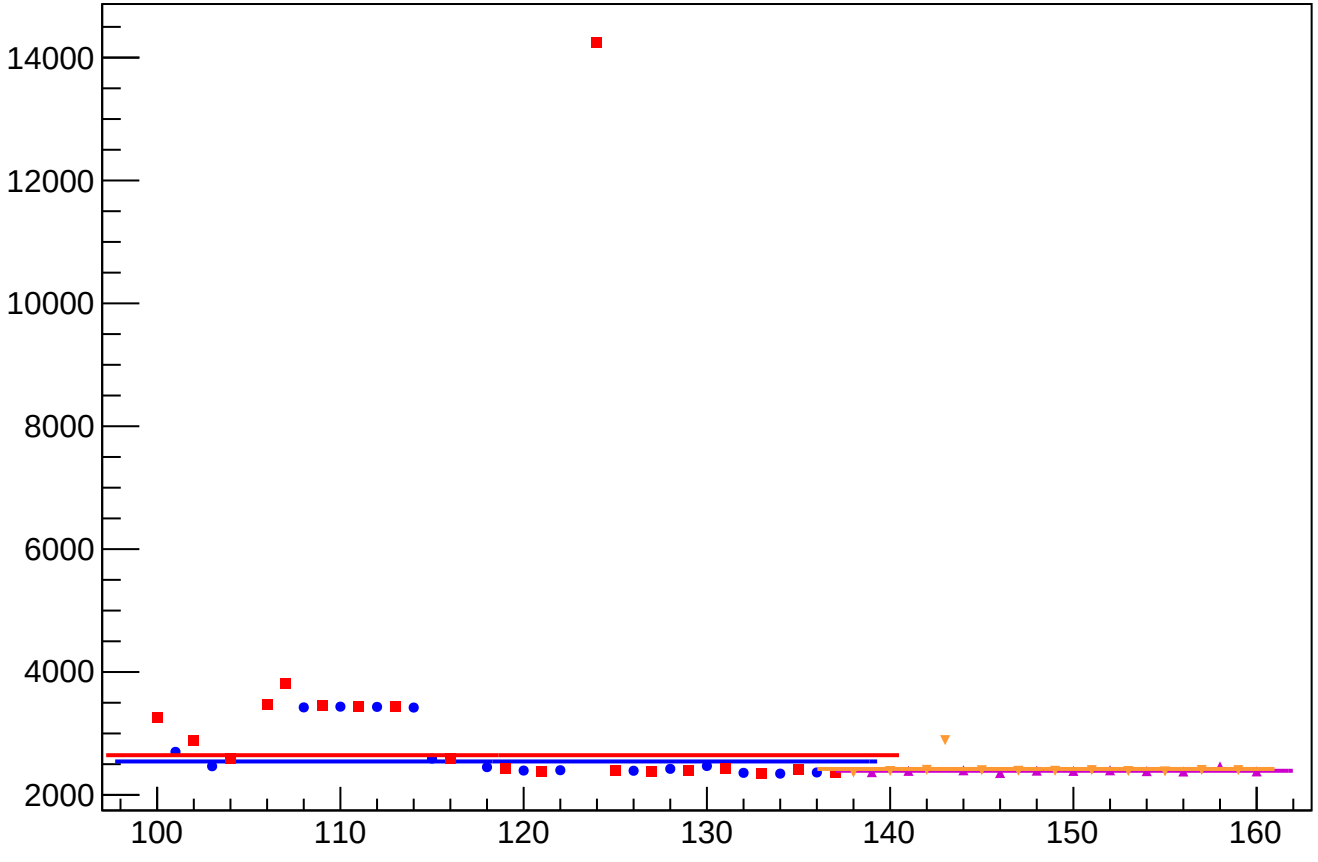
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1780.801+/-600.626 χ^2/NDF:31.9/26

Out: 2087.348+/-613.903 χ^2/NDF:35.1/30

All: 1930.724+/-429.324 χ^2/NDF: 67.1/57

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: 2392.549+/-0.547 χ^2/NDF:2171.7/10

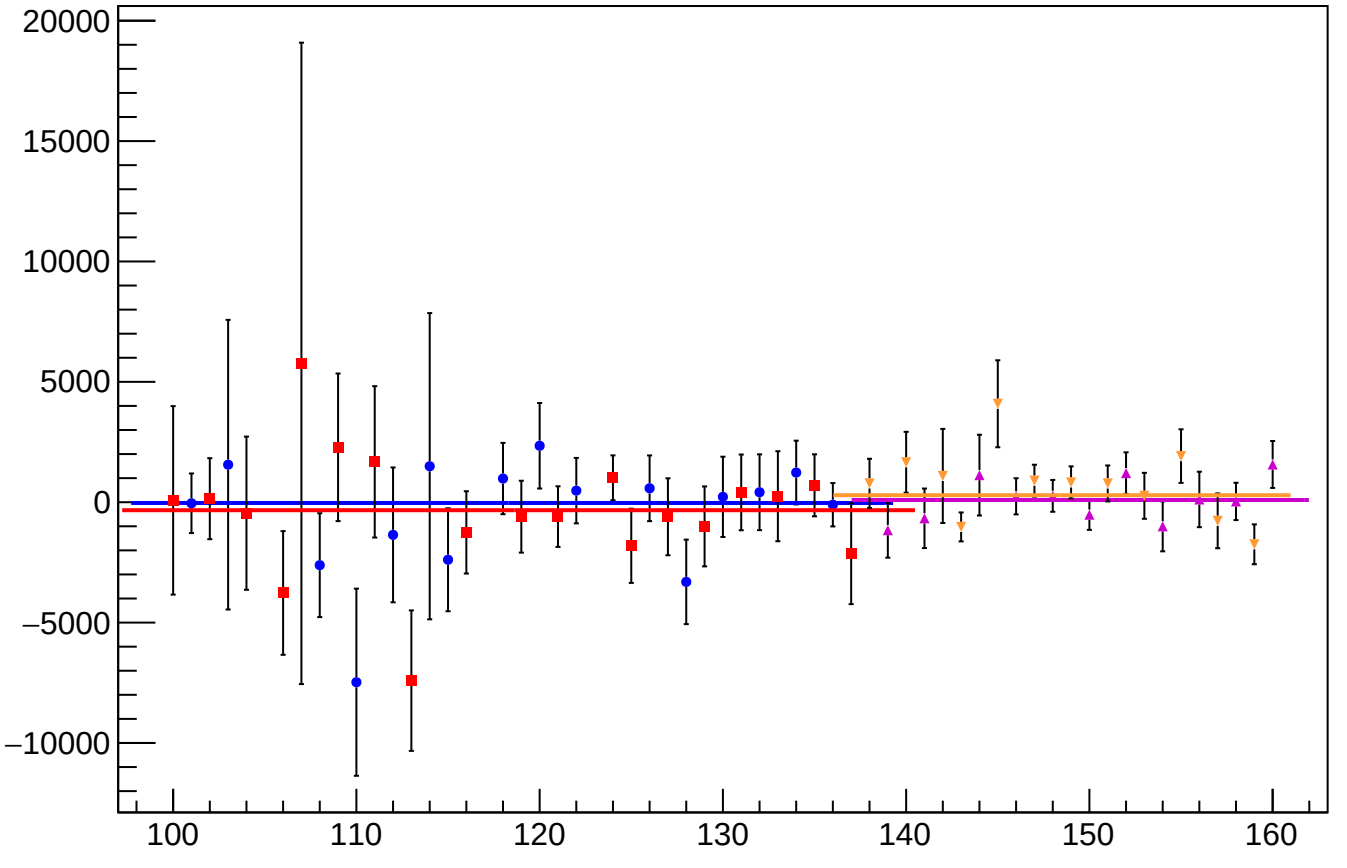
Left: 2407.229+/-0.390 χ^2/NDF: 49604.8/22

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2452.931+/-0.425 χ^2/NDF:258411.0/26

Out: 2509.216+/-0.434 χ^2/NDF:648684.7/30

All: 2480.458+/-0.304 χ^2/NDF: 915685.5/57



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: 92.259+/-266.433 χ^2/NDF:8.1/10

Left: 195.941+/-184.227 χ^2/NDF: 30.1/22

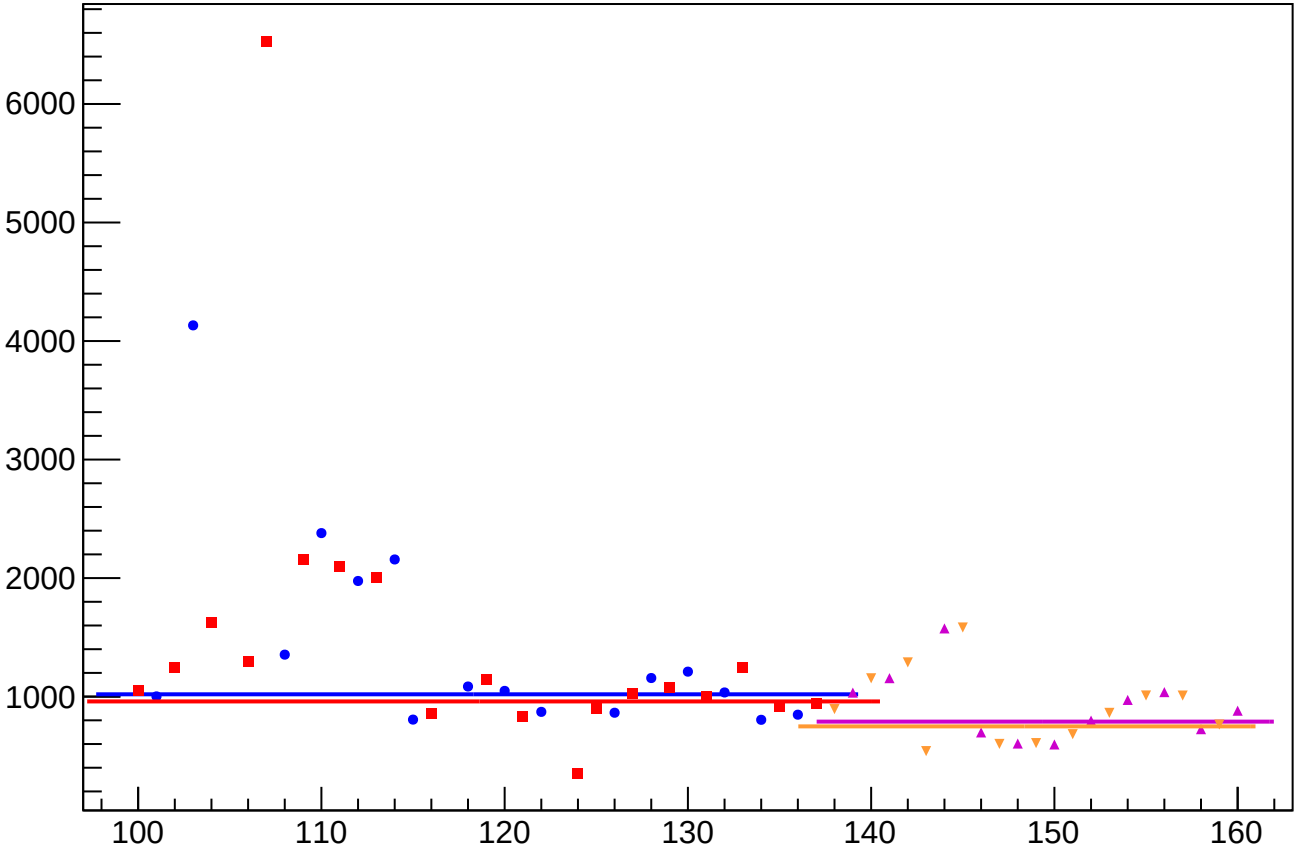
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 55.044+/-222.706 χ^2/NDF:21.9/26

Out: 110.490+/-214.928 χ^2/NDF:37.9/30

All: 83.752+/-154.654 χ^2/NDF: 59.8/57

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: 788.973+/-0.188 χ^2/NDF:1266649.1/10

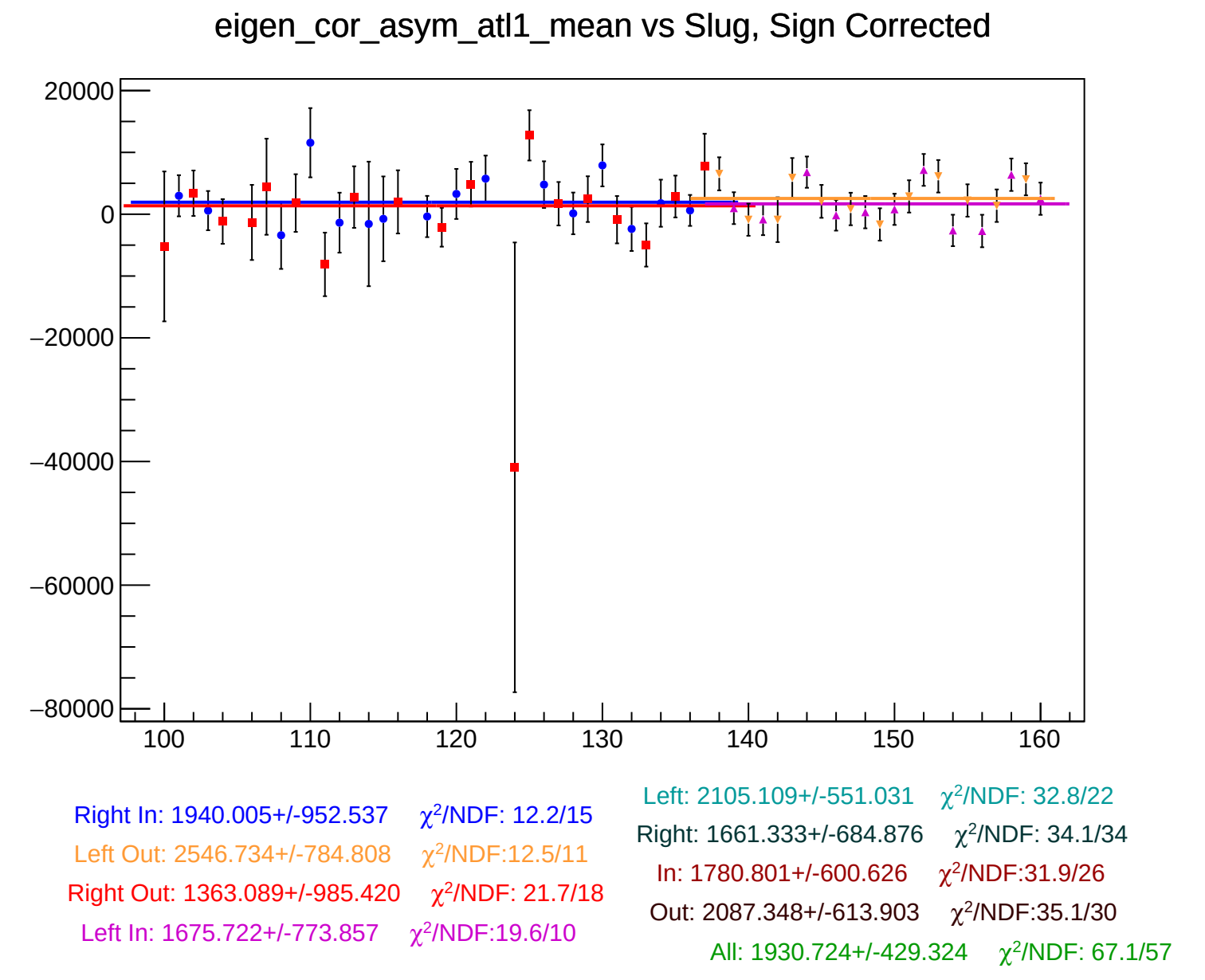
Left: 768.019+/-0.130 χ^2/NDF: 2805241.4/22

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

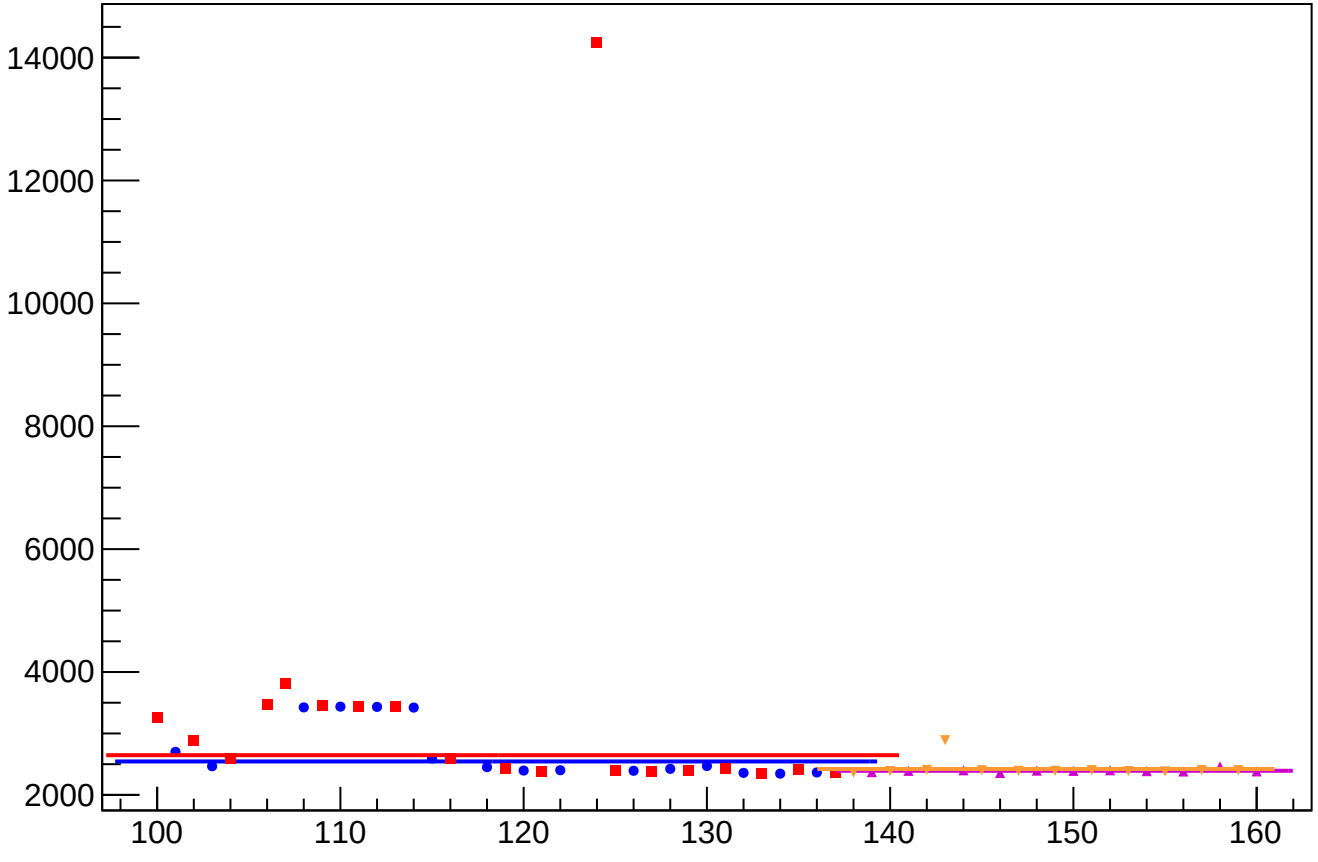
In: 858.436+/-0.157 χ^2/NDF:3082576.8/26

Out: 809.806+/-0.152 χ^2/NDF:4254147.7/30

All: 833.257+/-0.109 χ^2/NDF: 7386098.5/57


eigen_cor_asym_atl1_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
Right In: 1940.005+/-952.537 χ²/NDF: 12.2/15
Left Out: 2546.734+/-784.808 χ²/NDF:12.5/11
Right Out: 1363.089+/-985.420 χ²/NDF: 21.7/18
Left In: 1675.722+/-773.857 χ²/NDF:19.6/10
Left: 2105.109+/-551.031 χ²/NDF: 32.8/22
Right: 1661.333+/-684.876 χ²/NDF: 34.1/34
In: 1780.801+/-600.626 χ²/NDF:31.9/26
Out: 2087.348+/-613.903 χ²/NDF:35.1/30
All: 1930.724+/-429.324 χ²/NDF: 67.1/57

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: 2392.549+/-0.547 χ^2/NDF:2171.7/10

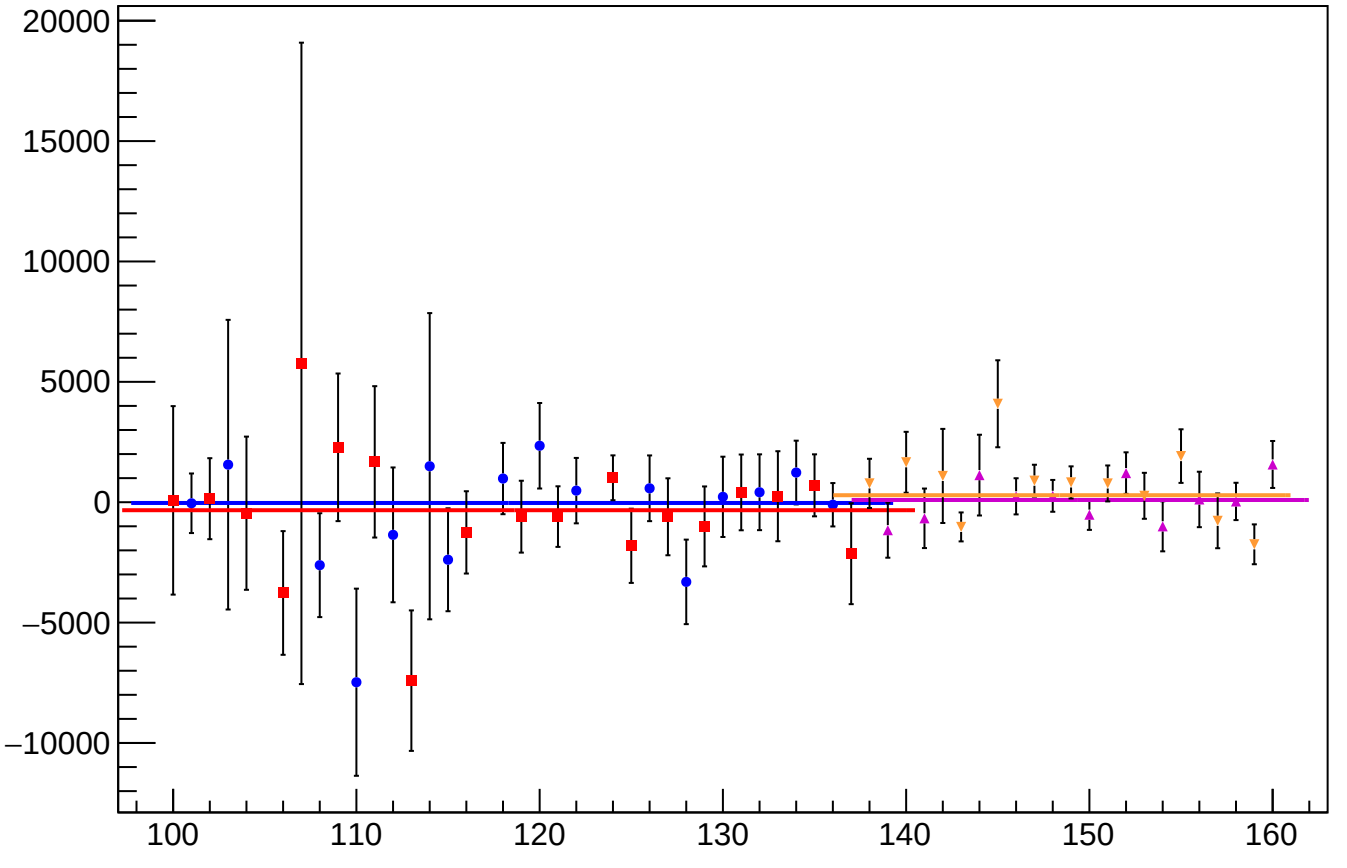
Left: 2407.229+/-0.390 χ^2/NDF: 49604.8/22

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2452.931+/-0.425 χ^2/NDF:258411.0/26

Out: 2509.216+/-0.434 χ^2/NDF:648684.7/30

All: 2480.458+/-0.304 χ^2/NDF: 915685.5/57



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: 92.259+/-266.433 χ^2/NDF:8.1/10

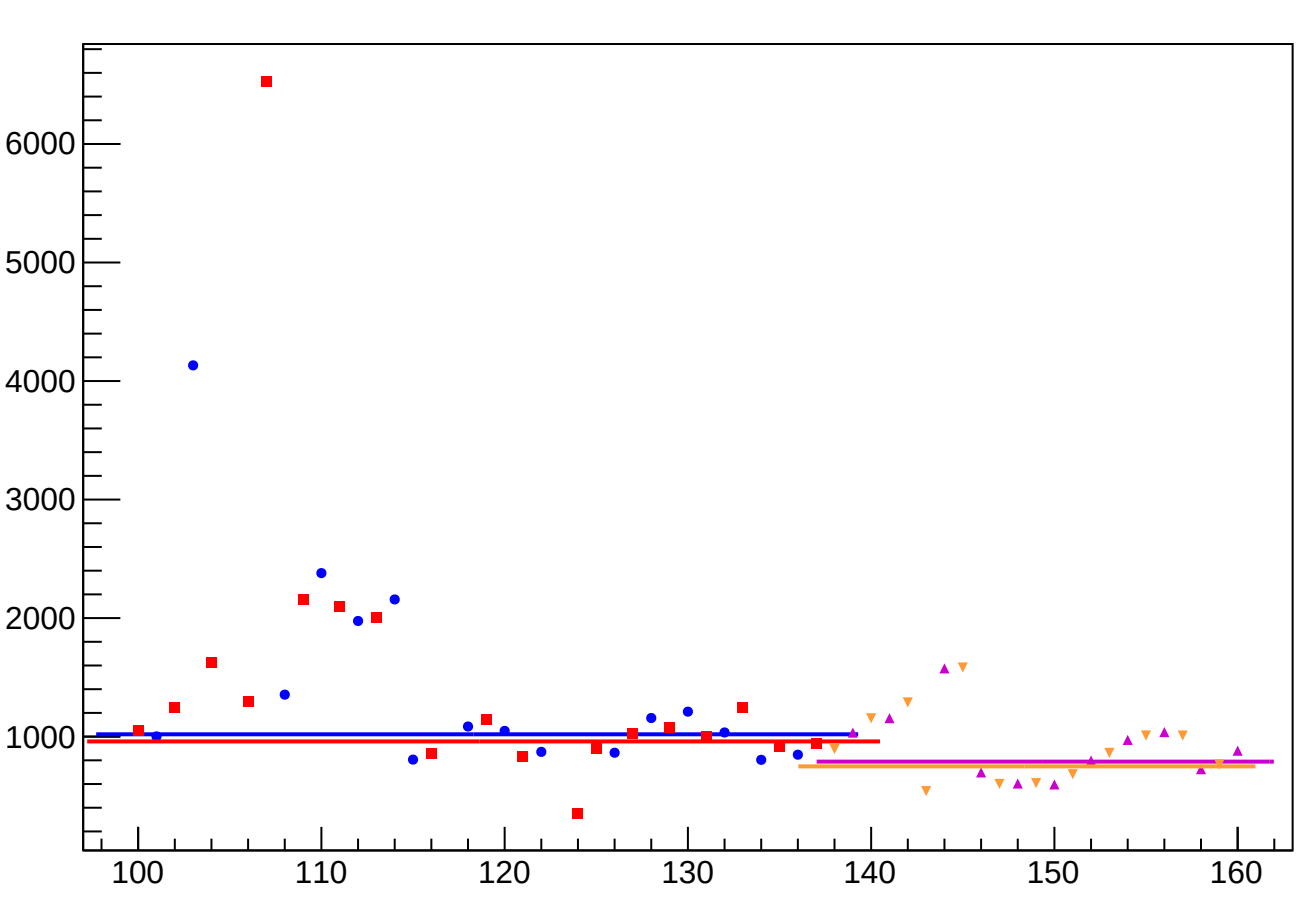
Left: 195.941+/-184.227 χ^2/NDF: 30.1/22

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 55.044+/-222.706 χ^2/NDF:21.9/26

Out: 110.490+/-214.928 χ^2/NDF:37.9/30

All: 83.752+/-154.654 χ^2/NDF: 59.8/57



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: 788.973+/-0.188 χ^2/NDF:1266649.1/10

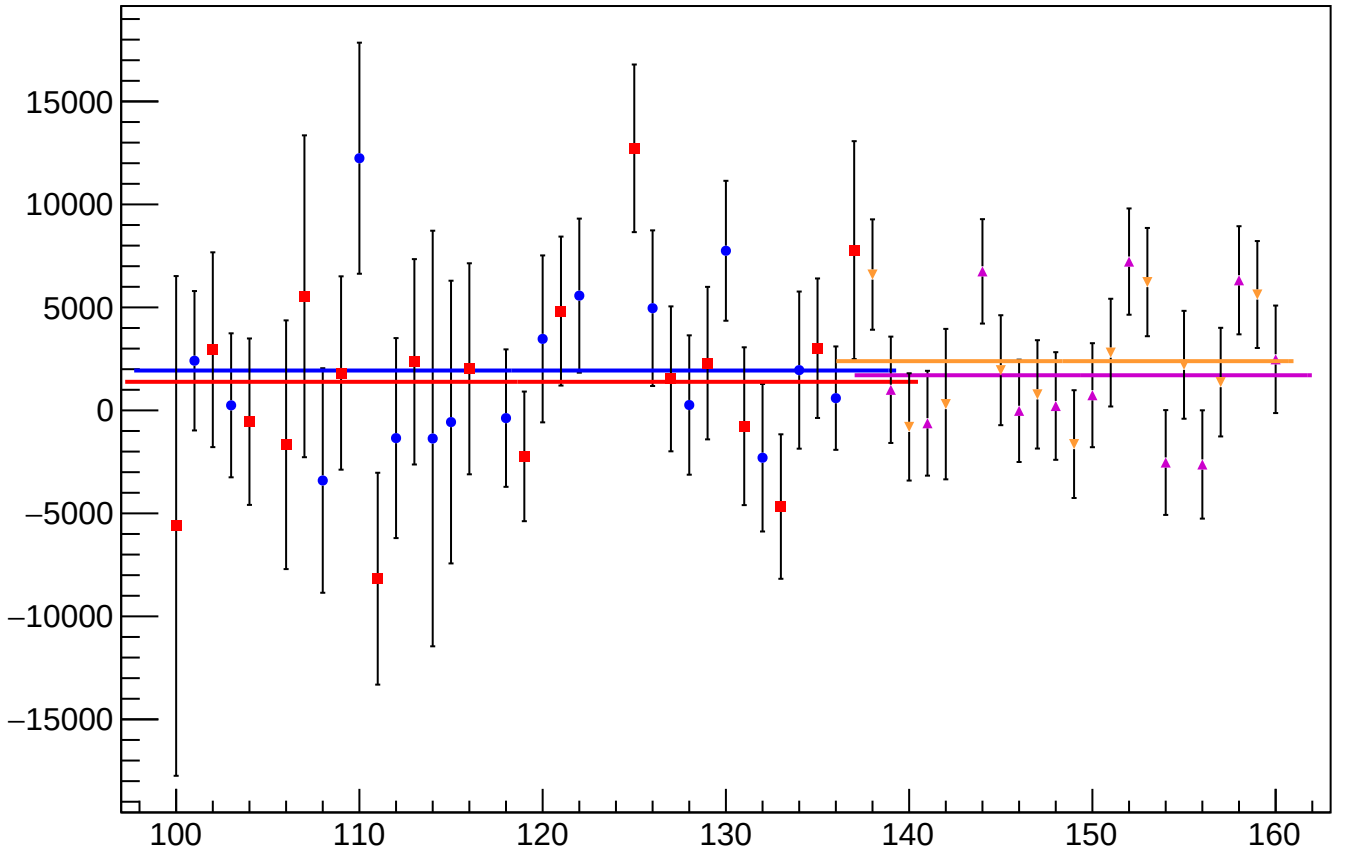
Left: 768.019+/-0.130 χ^2/NDF: 2805241.4/22

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.436+/-0.157 χ^2/NDF:3082576.8/26

Out: 809.806+/-0.152 χ^2/NDF:4254147.7/30

All: 833.257+/-0.109 χ^2/NDF: 7386098.5/57



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: 1705.988+/-774.574 χ^2/NDF:19.1/10

Left: 2032.547+/-560.039 χ^2/NDF: 30.4/21

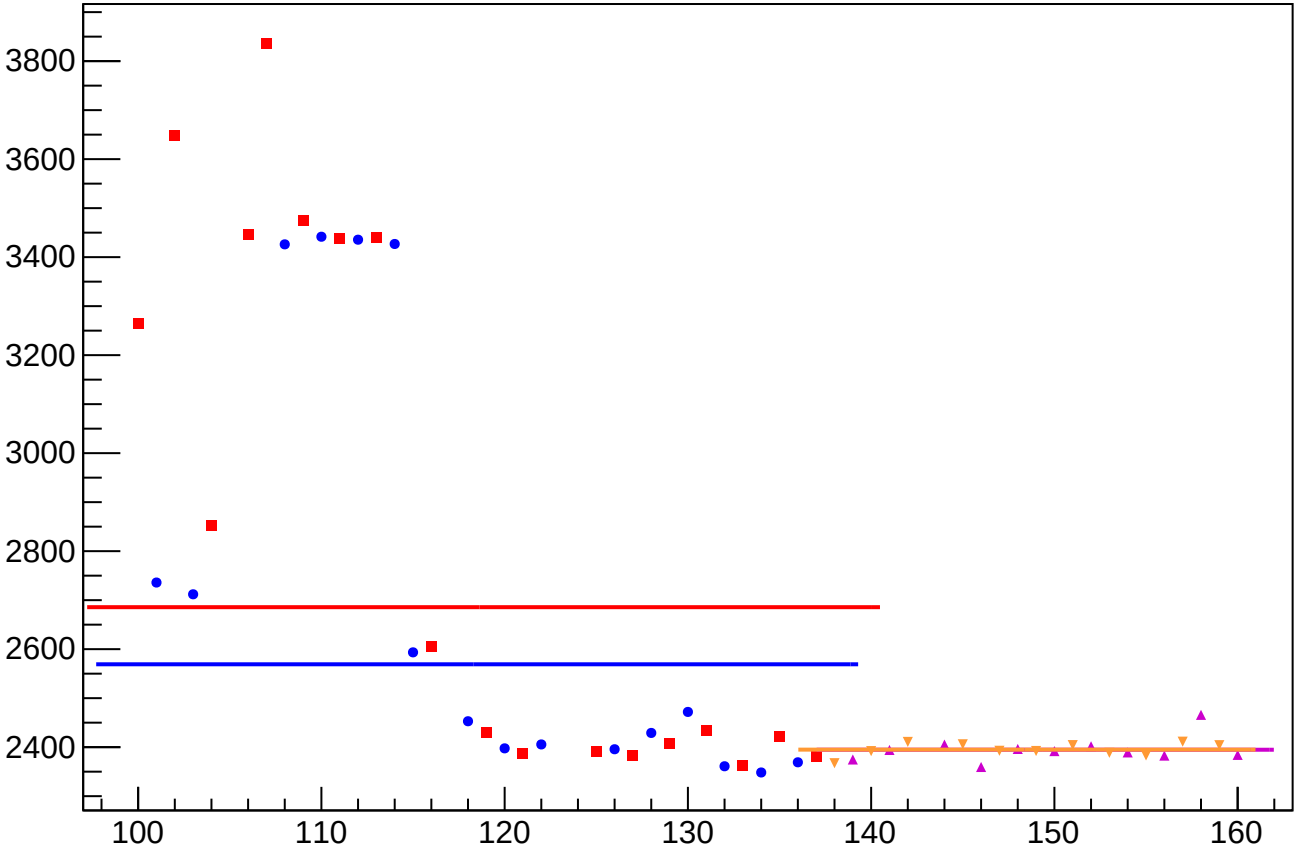
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1796.415+/-603.395 χ^2/NDF:31.5/26

Out: 1996.953+/-632.000 χ^2/NDF:31.3/28

All: 1892.043+/-436.427 χ^2/NDF: 62.8/55

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: 2394.750+/-0.548 χ^2/NDF:2127.3/10

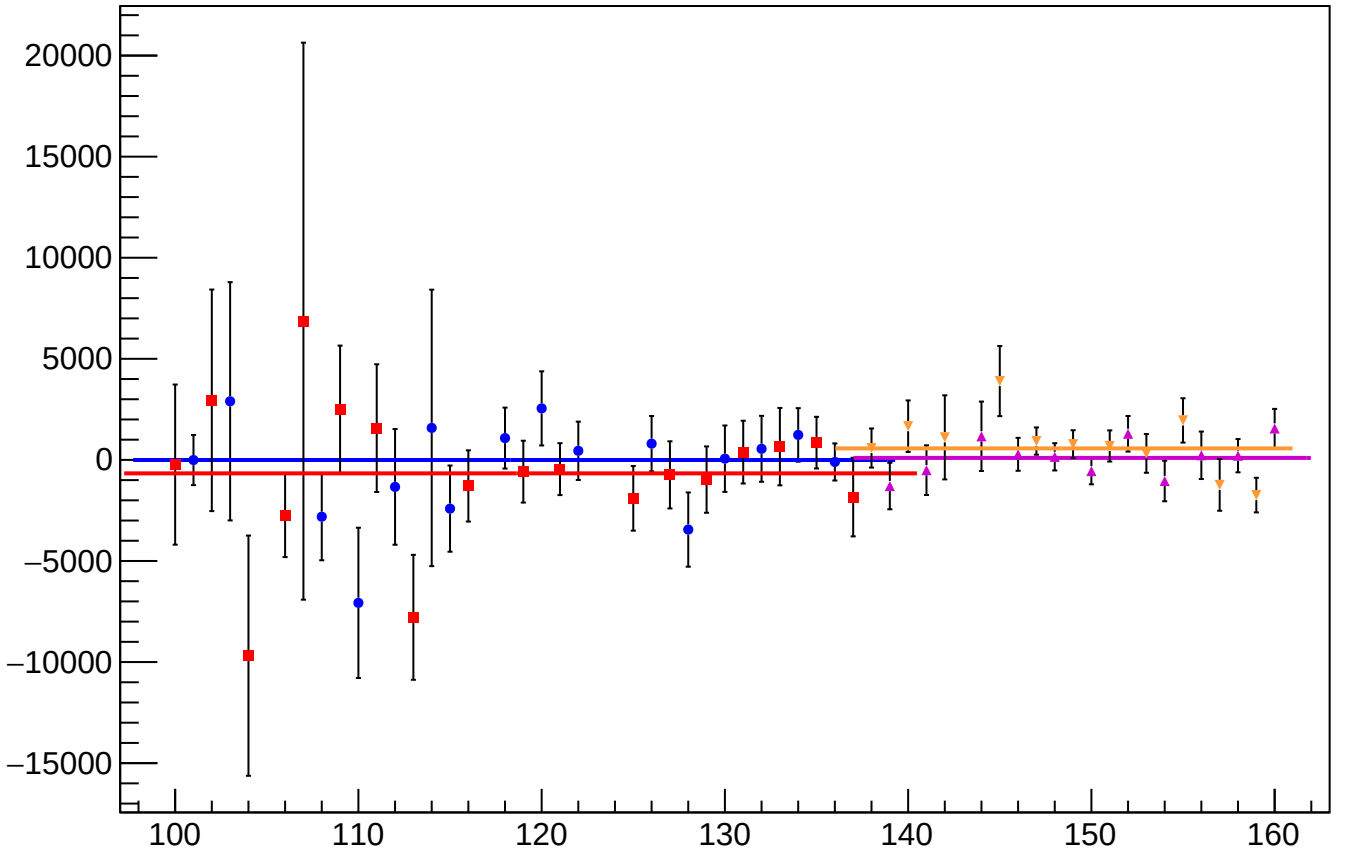
Left: 2394.856+/-0.396 χ^2/NDF: 2596.5/21

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2463.308+/-0.427 χ^2/NDF:271467.9/26

Out: 2508.999+/-0.447 χ^2/NDF:520608.6/28

All: 2485.096+/-0.309 χ^2/NDF: 797545.2/55



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 568.609+/-287.003 χ^2/NDF:15.8/10

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 97.967+/-273.701 χ^2/NDF:8.6/10

Left: 322.129+/-198.072 χ^2/NDF: 25.8/21

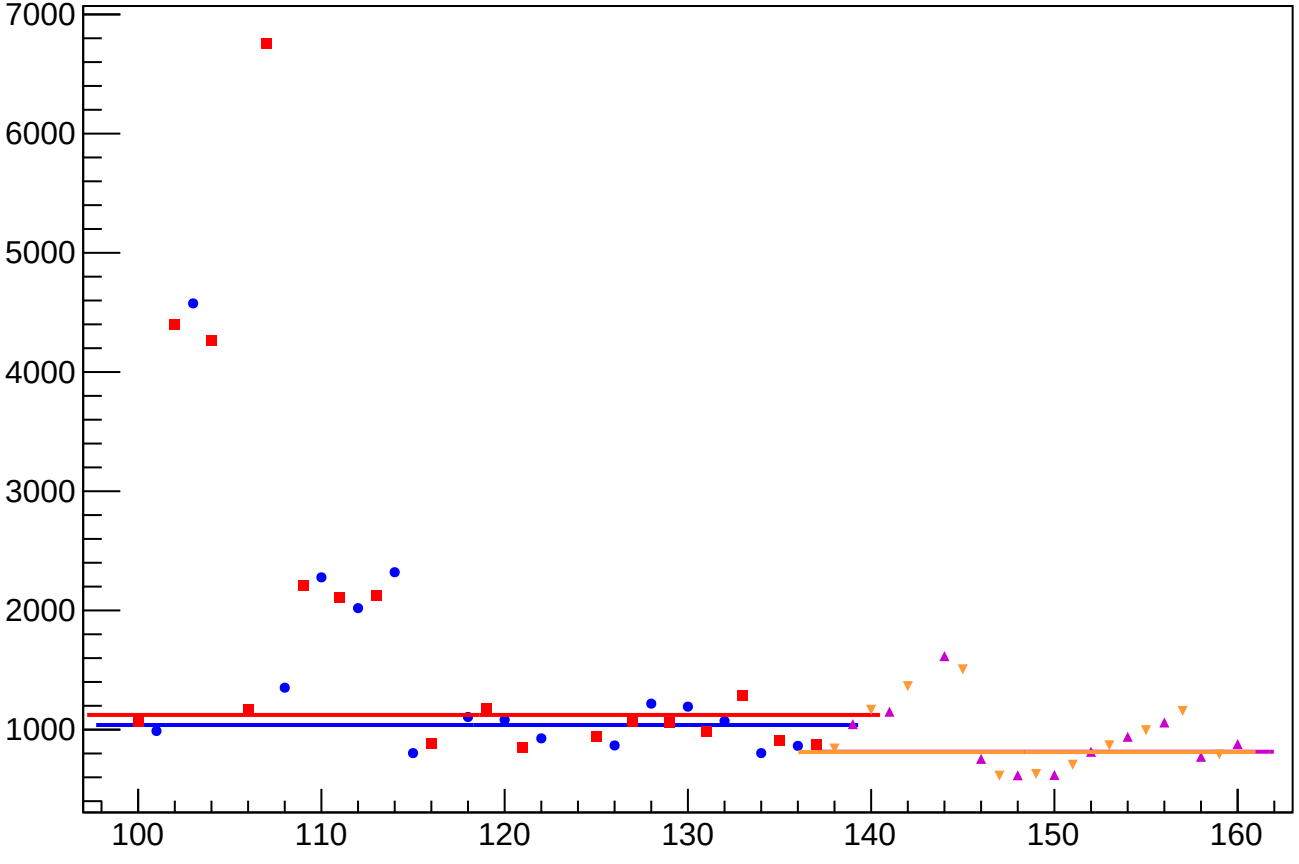
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 66.414+/-228.021 χ^2/NDF:23.1/26

Out: 223.238+/-243.572 χ^2/NDF:35.4/28

All: 139.660+/-166.462 χ^2/NDF: 58.7/55

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: 814.860+/-0.194 χ^2/NDF:1158782.2/10

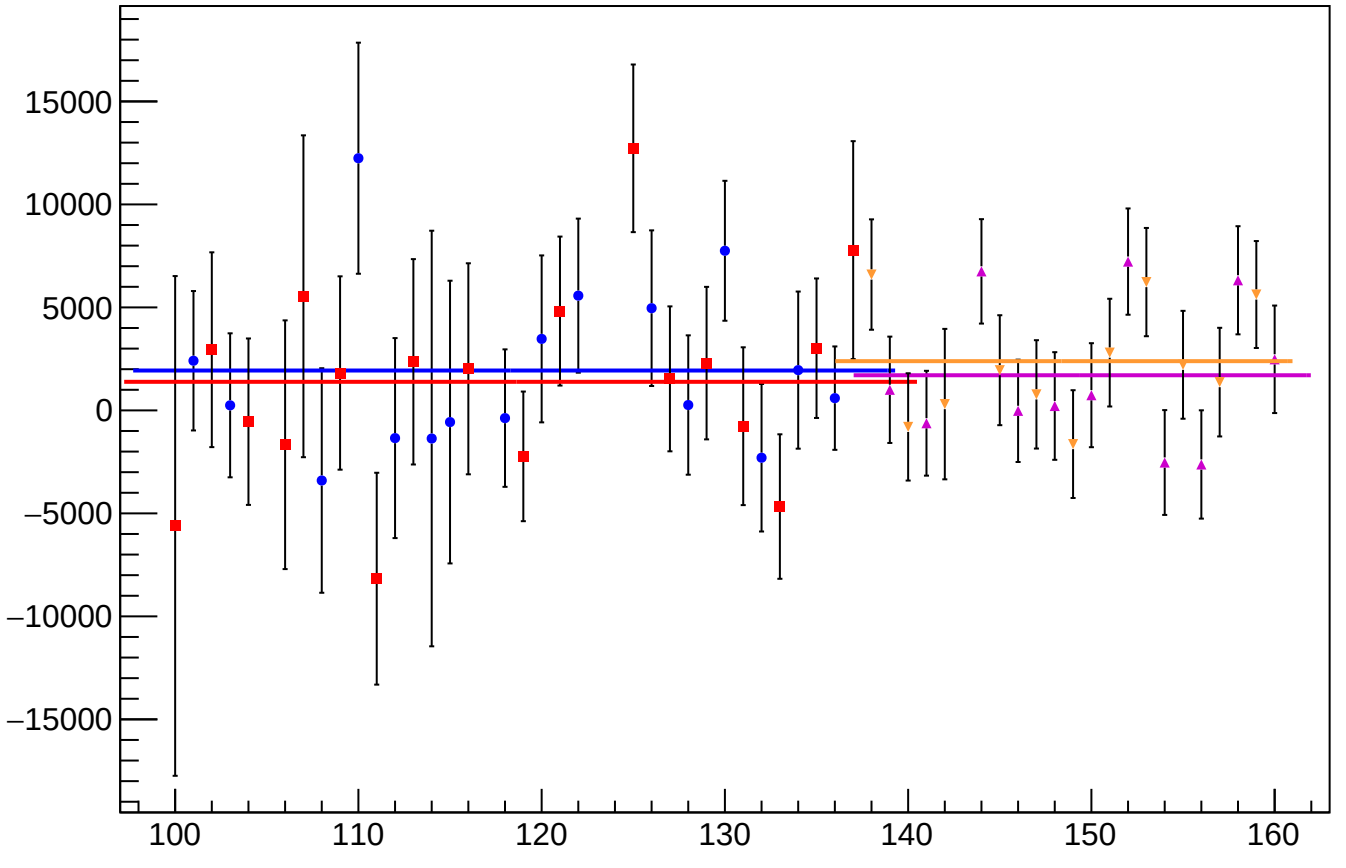
Left: 813.410+/-0.140 χ^2/NDF: 2340511.9/21

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 883.373+/-0.161 χ^2/NDF:3108138.4/26

Out: 899.003+/-0.172 χ^2/NDF:4376884.5/28

All: 890.673+/-0.118 χ^2/NDF: 7489412.1/55



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: 1705.988+/-774.574 χ^2/NDF:19.1/10

Left: 2032.548+/-560.039 χ^2/NDF: 30.4/21

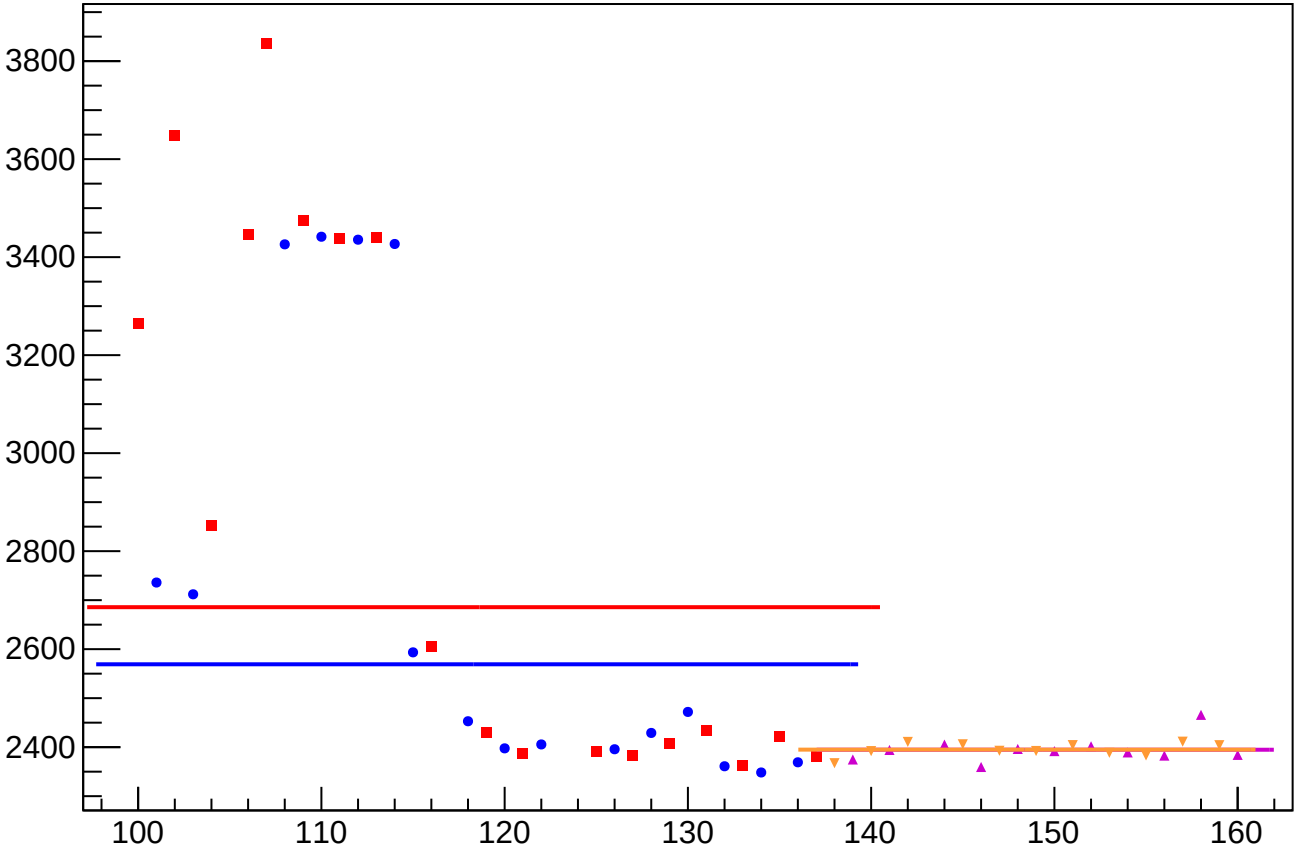
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1796.414+/-603.395 χ^2/NDF:31.5/26

Out: 1996.952+/-632.000 χ^2/NDF:31.3/28

All: 1892.042+/-436.427 χ^2/NDF: 62.8/55

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: 2394.750+/-0.548 χ^2/NDF:2127.3/10

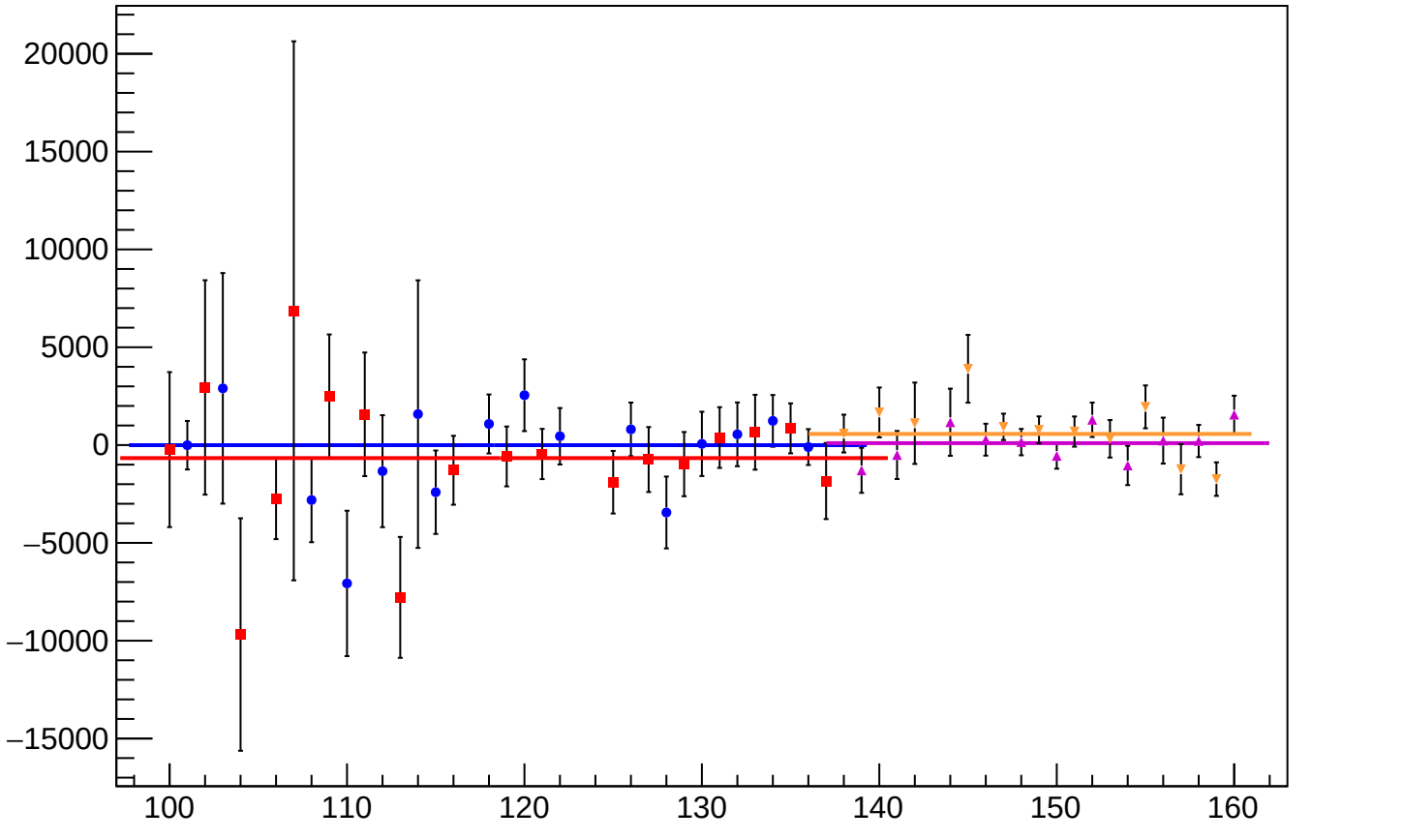
Left: 2394.856+/-0.396 χ^2/NDF: 2596.5/21

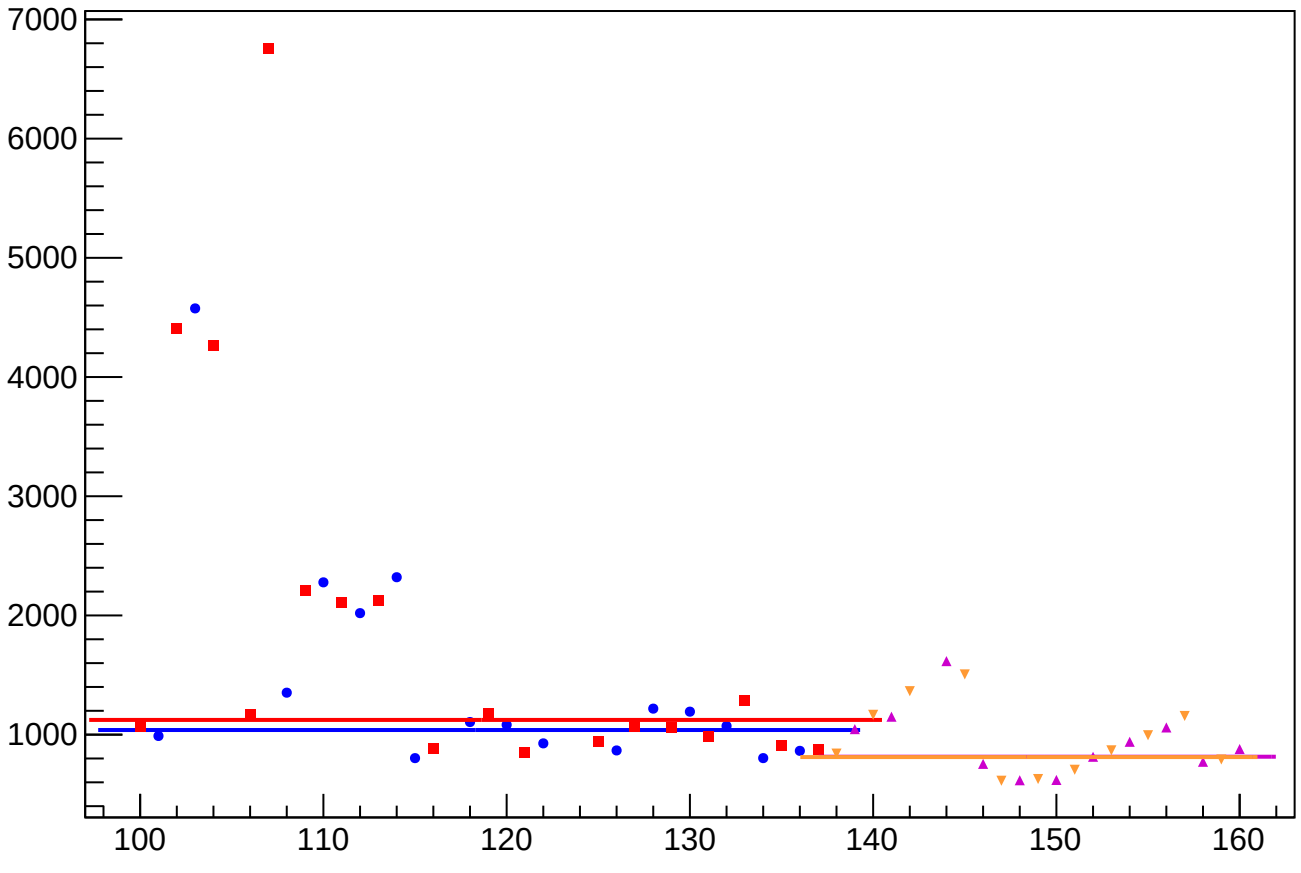
Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

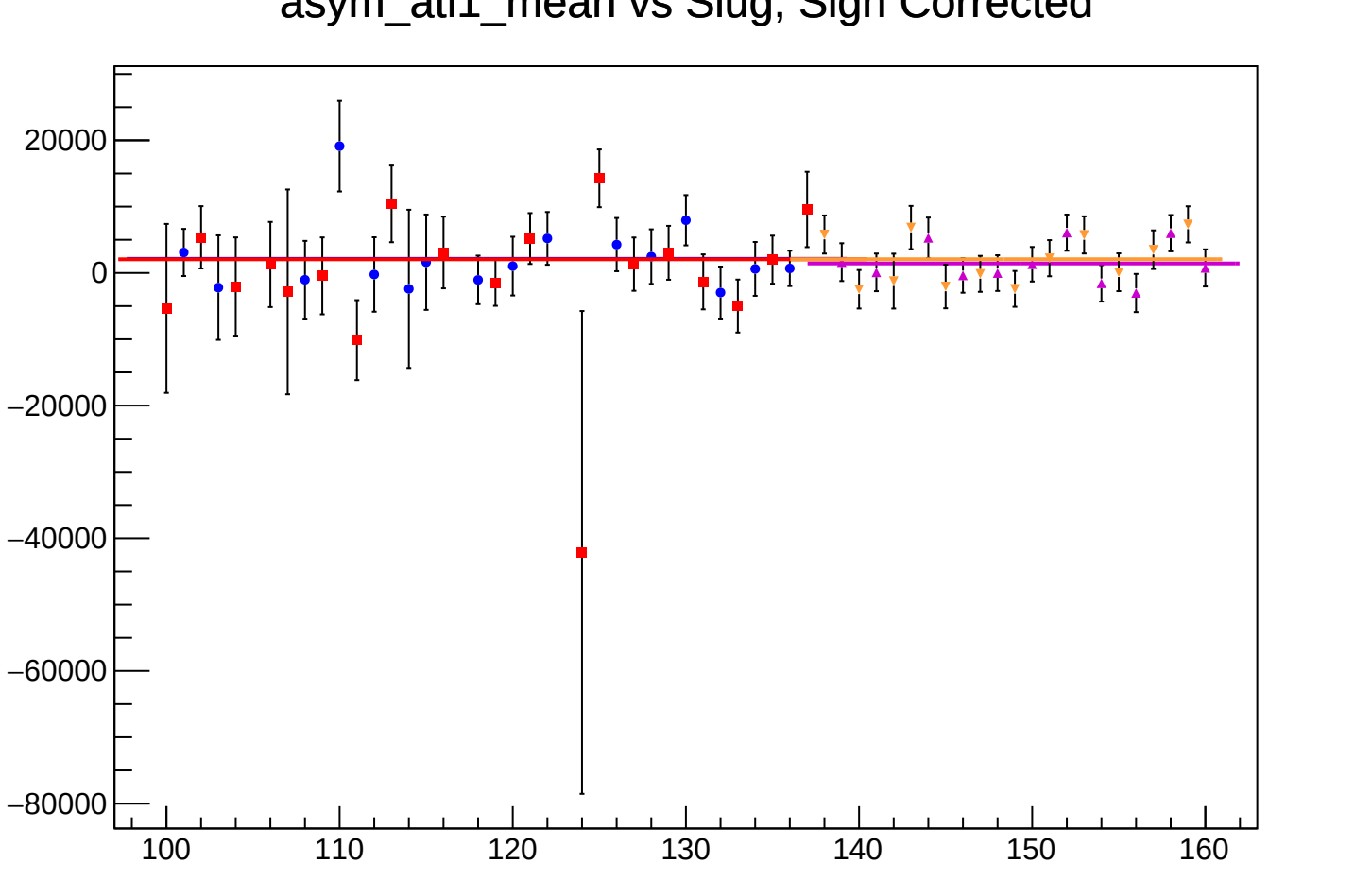
In: 2463.308+/-0.427 χ^2/NDF:271467.5/26

Out: 2508.999+/-0.447 χ^2/NDF:520607.7/28

All: 2485.096+/-0.309 χ^2/NDF: 797543.9/55


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -5.172+/-412.248 χ²/NDF: 14.5/15
Left Out: 568.608+/-287.004 χ²/NDF:15.8/10
Right Out: -665.953+/-460.513 χ²/NDF: 14.4/17
Left In: 97.968+/-273.702 χ²/NDF:8.6/10
Left: 322.129+/-198.072 χ²/NDF: 25.8/21
Right: -299.132+/-307.154 χ²/NDF: 30.0/33
In: 66.413+/-228.022 χ²/NDF:23.1/26
Out: 223.236+/-243.573 χ²/NDF:35.4/28
All: 139.659+/-166.462 χ²/NDF: 58.7/55


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 811.817+/-0.203 χ²/NDF:1181609.6/10
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 814.861+/-0.194 χ²/NDF:1158780.0/10
Left: 813.411+/-0.140 χ²/NDF: 2340507.5/21
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 883.374+/-0.161 χ²/NDF:3108126.3/26
Out: 899.004+/-0.172 χ²/NDF:4376874.3/28
All: 890.674+/-0.118 χ²/NDF: 7489389.7/55



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: 1430.335+/-834.894 χ^2/NDF:11.9/10

Left: 1744.865+/-594.415 χ^2/NDF: 30.2/22

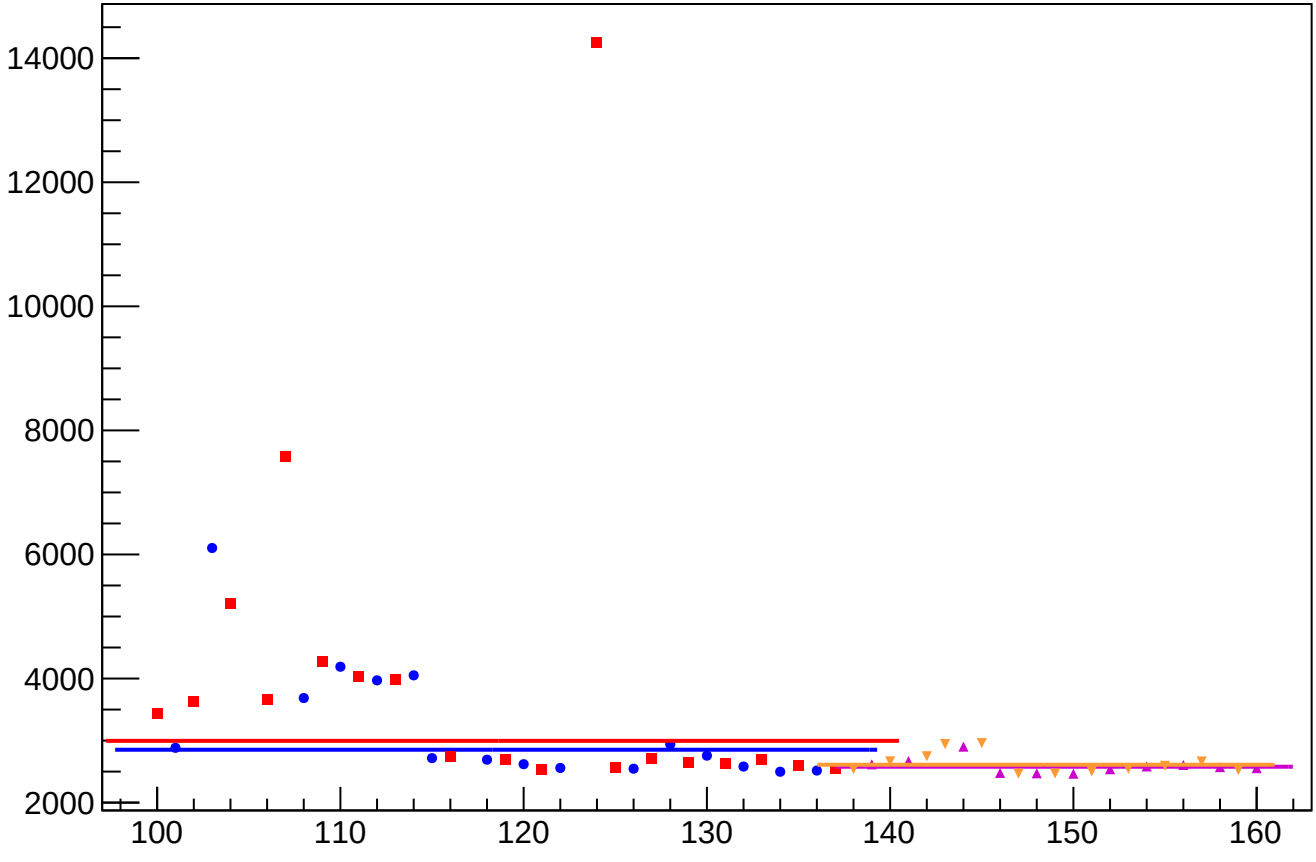
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1687.654+/-661.607 χ^2/NDF:25.5/26

Out: 2065.175+/-678.938 χ^2/NDF:42.3/30

All: 1871.534+/-473.835 χ^2/NDF: 68.0/57

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: 2578.283+/-0.590 χ^2/NDF:35305.8/10

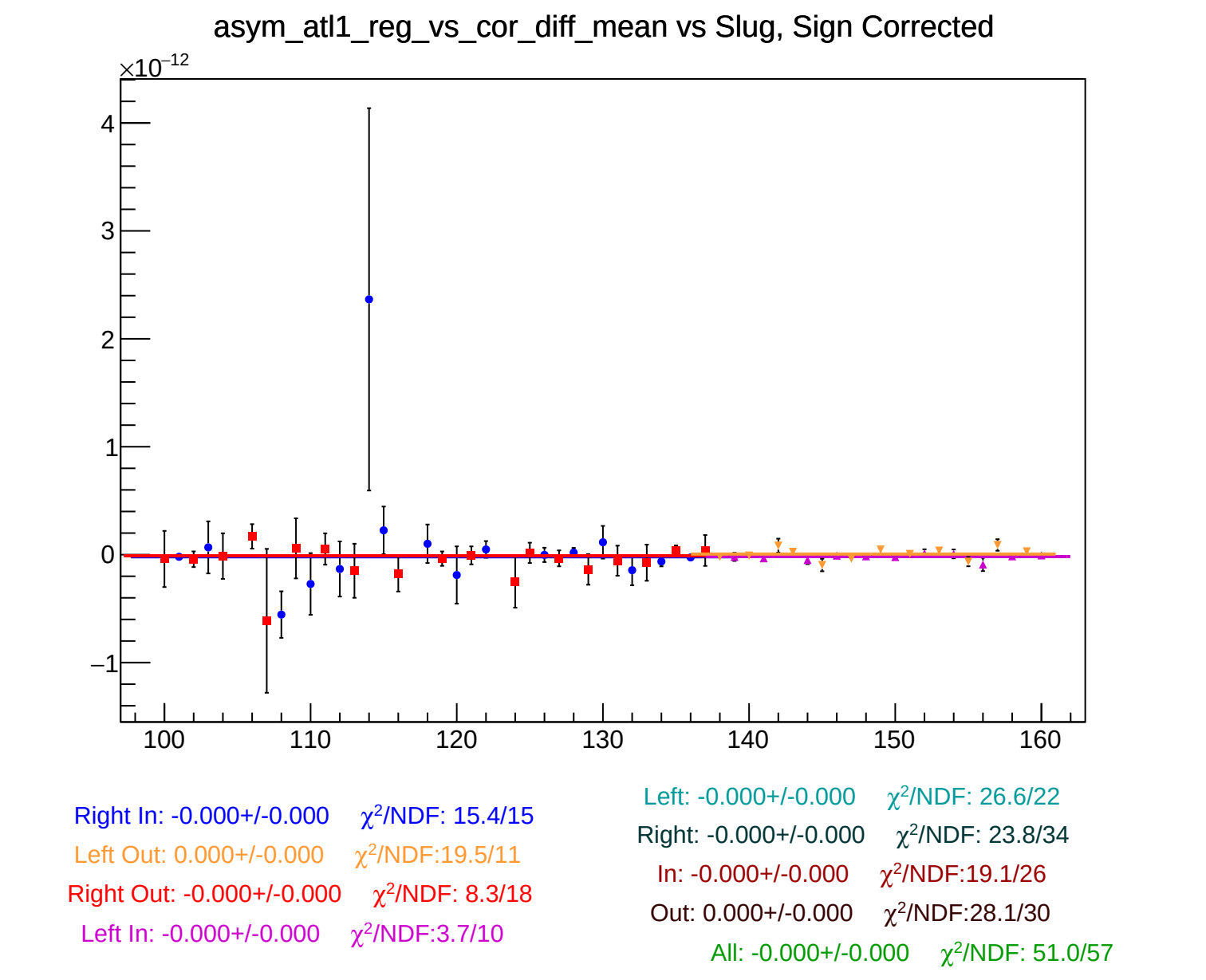
Left: 2594.170+/-0.420 χ^2/NDF: 102100.3/22

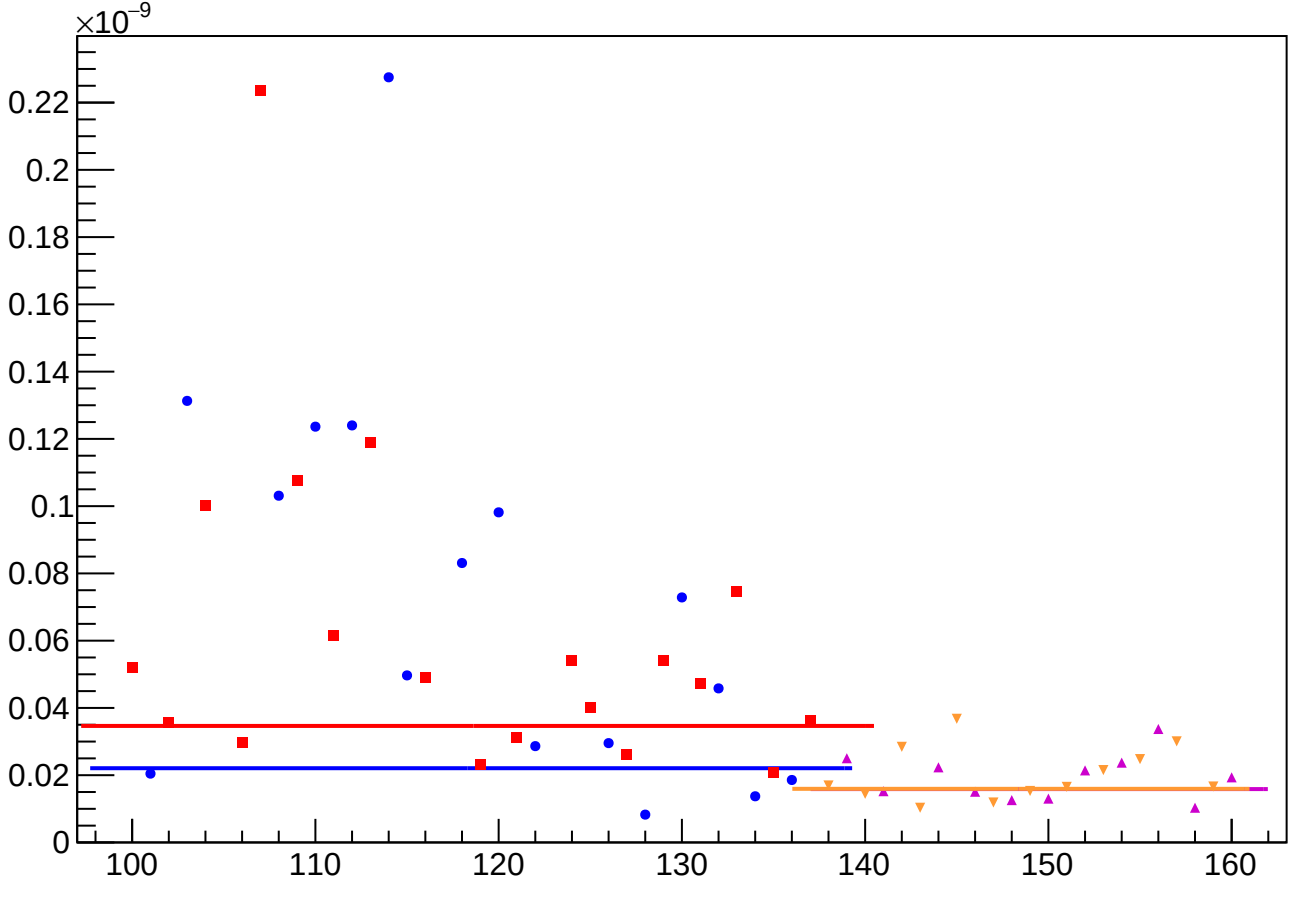
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2680.191+/-0.468 χ^2/NDF:764116.1/26

Out: 2747.834+/-0.480 χ^2/NDF:1192083.8/30

All: 2713.138+/-0.335 χ^2/NDF: 1966382.8/57


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:3.7/10
Left: -0.000+/-0.000 χ²/NDF: 26.6/22
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:19.1/26
Out: 0.000+/-0.000 χ²/NDF:28.1/30
All: -0.000+/-0.000 χ²/NDF: 51.0/57



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:721834.6/10

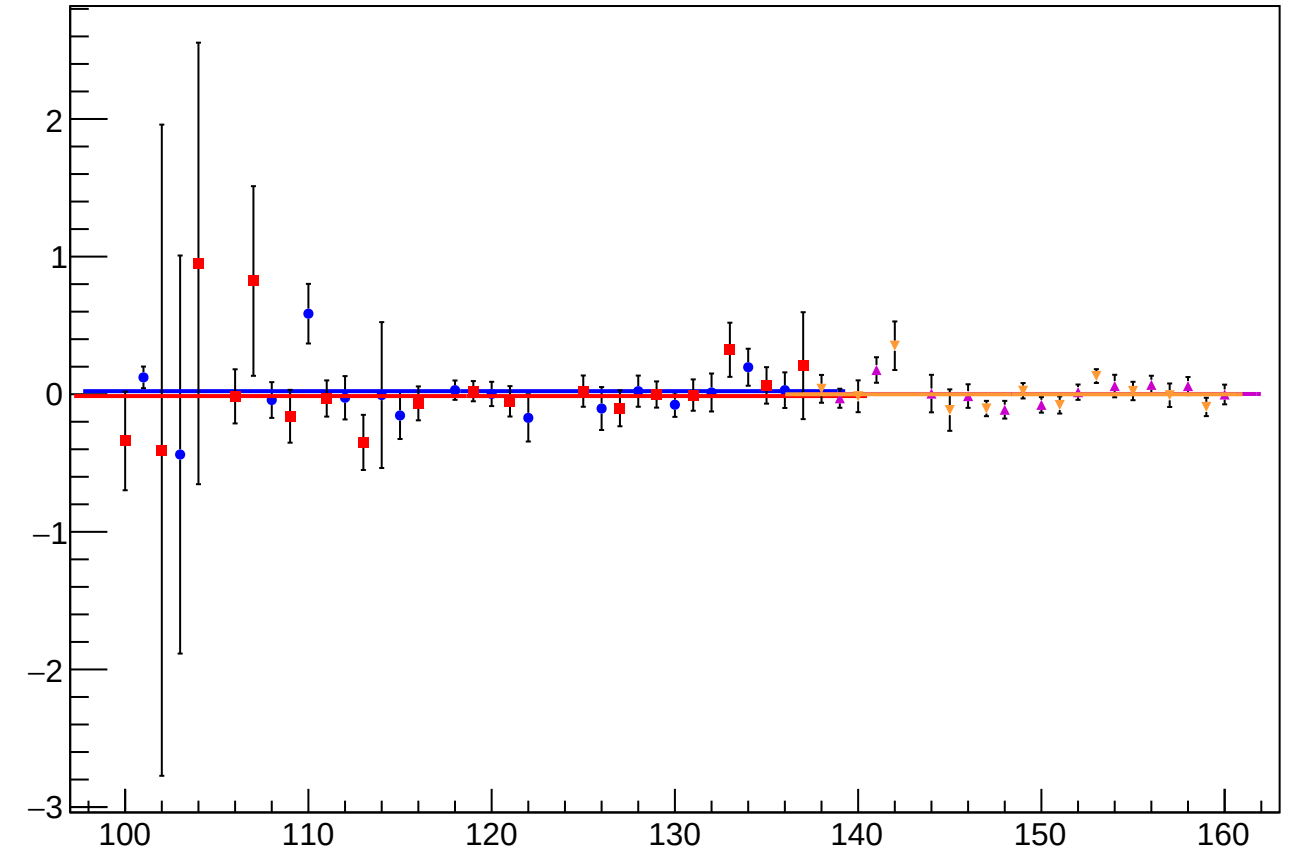
Left: 0.000+/-0.000 χ^2/NDF: 1574798.9/22

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3272649.3/26

Out: 0.000+/-0.000 χ^2/NDF:3140659.3/30

All: 0.000+/-0.000 χ^2/NDF: 6423258.8/57



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+/-0.021 χ^2/NDF:11.2/10

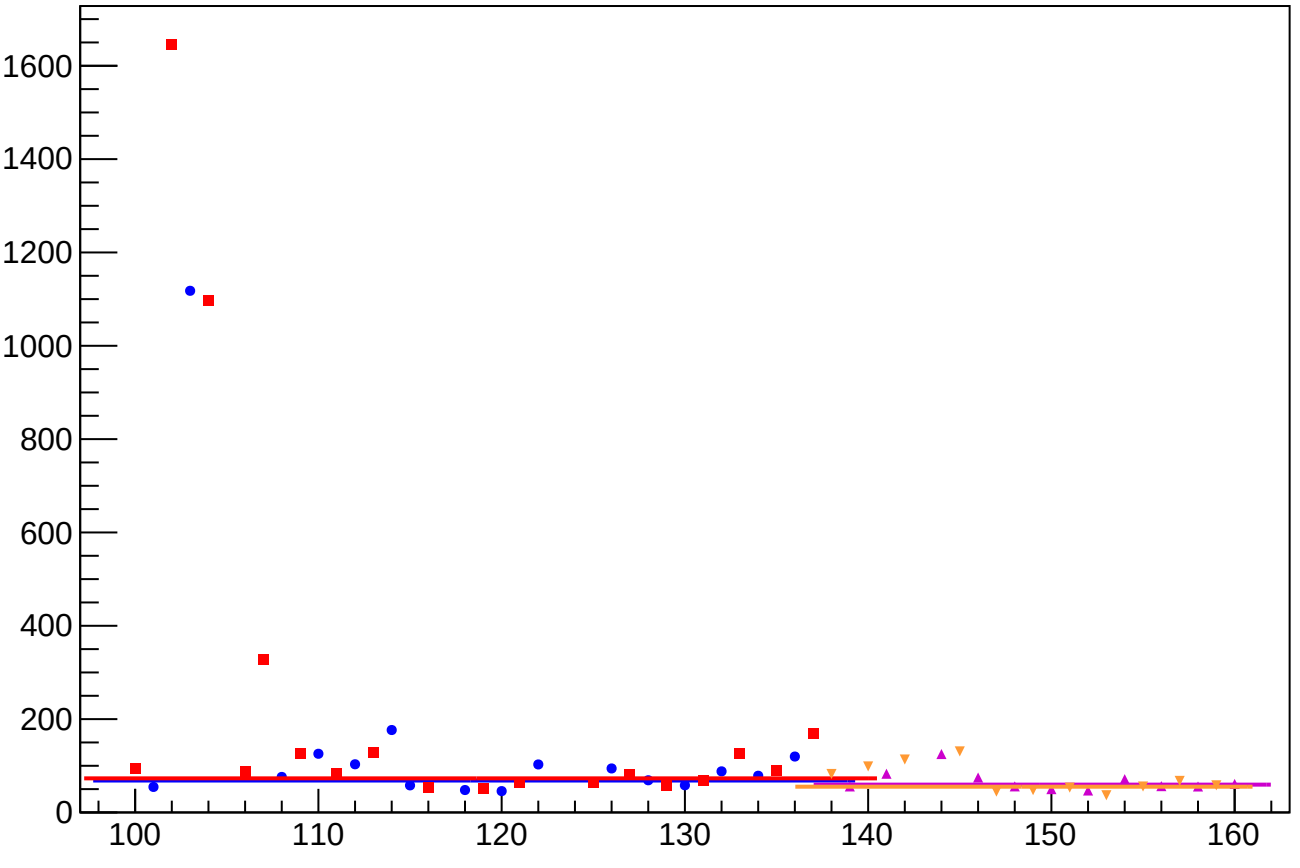
Left: 0.001+/-0.015 χ^2/NDF: 30.2/21

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.002+/-0.013 χ^2/NDF: 56.5/55



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: 59.620+/-0.015 χ^2/NDF:879649.8/10

Left: 57.441+/-0.011 χ^2/NDF: 2492041.4/21

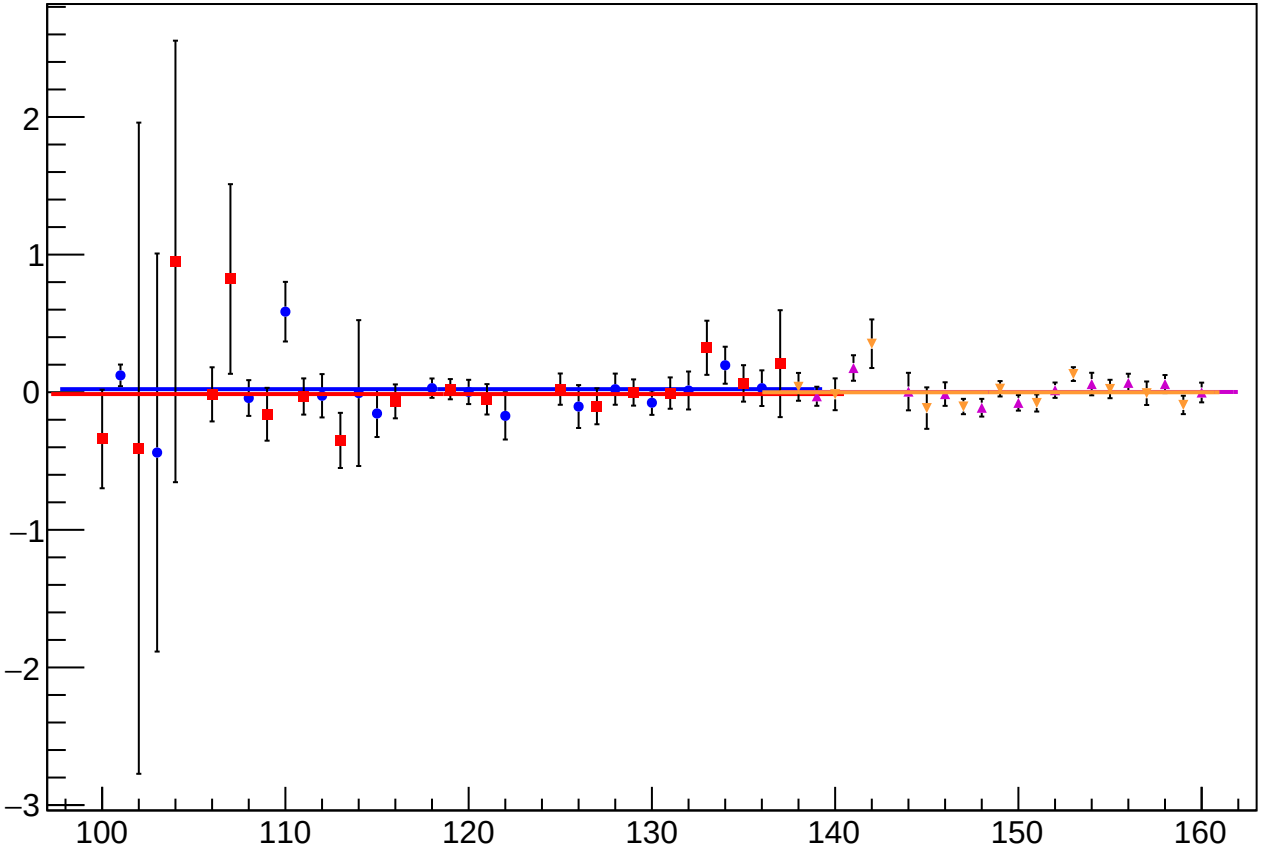
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.560+/-0.012 χ^2/NDF:3271490.2/26

Out: 60.470+/-0.013 χ^2/NDF:4885198.1/28

All: 61.560+/-0.009 χ^2/NDF: 8170472.3/55

asym_atl1_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+/-0.021 χ^2/NDF:11.2/10

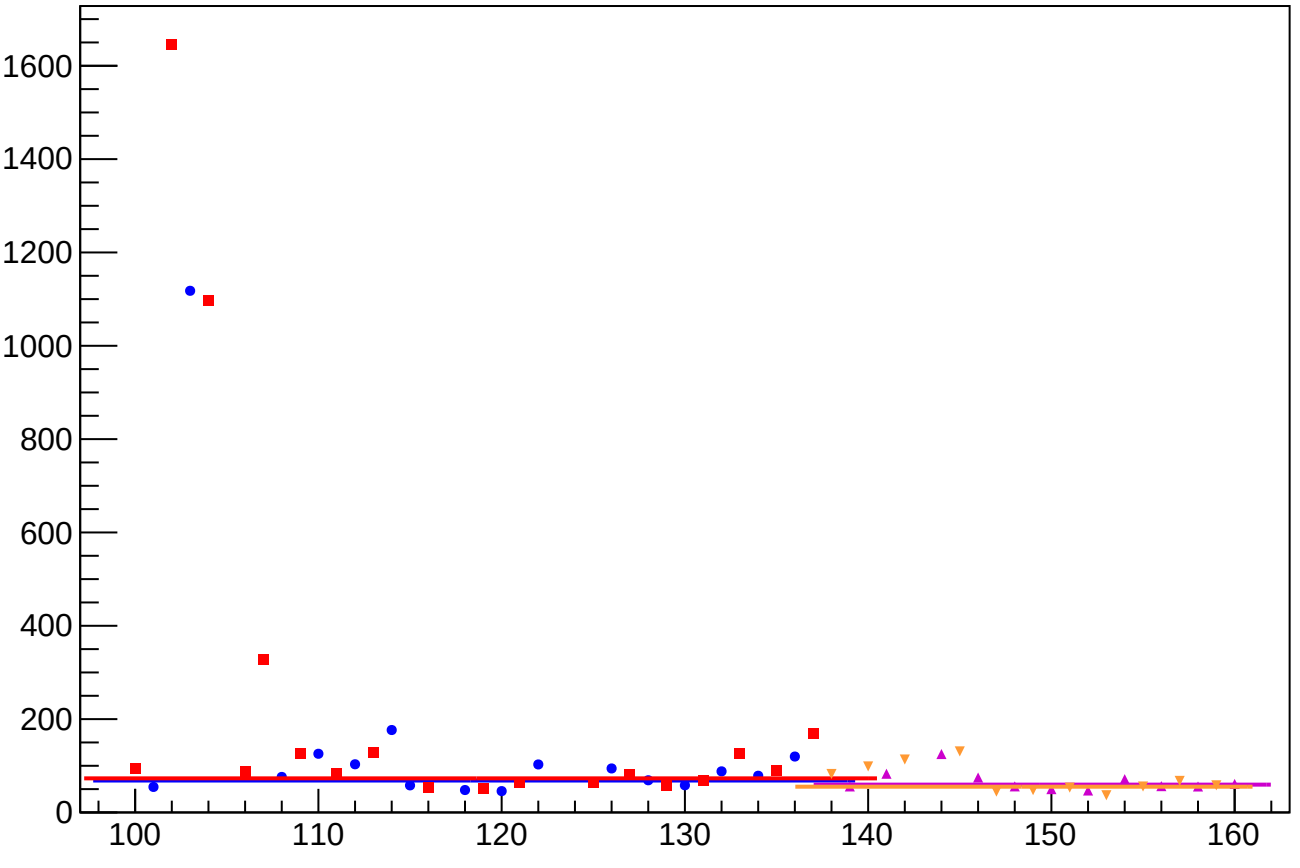
Left: 0.001+/-0.015 χ^2/NDF: 30.2/21

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.002+/-0.013 χ^2/NDF: 56.5/55



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: 59.620+/-0.015 χ^2/NDF:879649.8/10

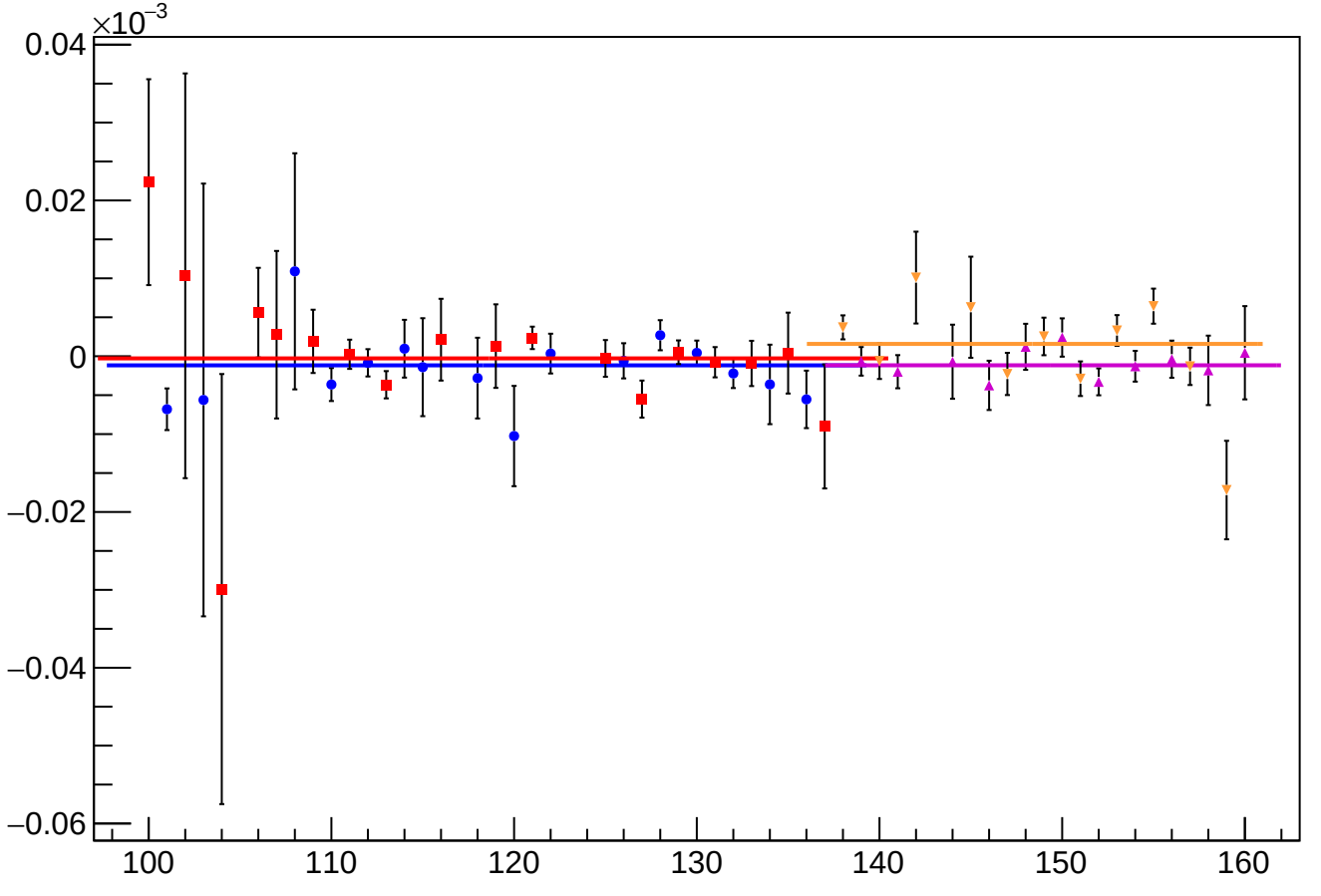
Left: 57.441+/-0.011 χ^2/NDF: 2492041.4/21

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.560+/-0.012 χ^2/NDF:3271490.2/26

Out: 60.470+/-0.013 χ^2/NDF:4885198.1/28

All: 61.560+/-0.009 χ^2/NDF: 8170472.3/55



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:5.4/10

Left: 0.000+/-0.000 χ^2/NDF: 39.5/21

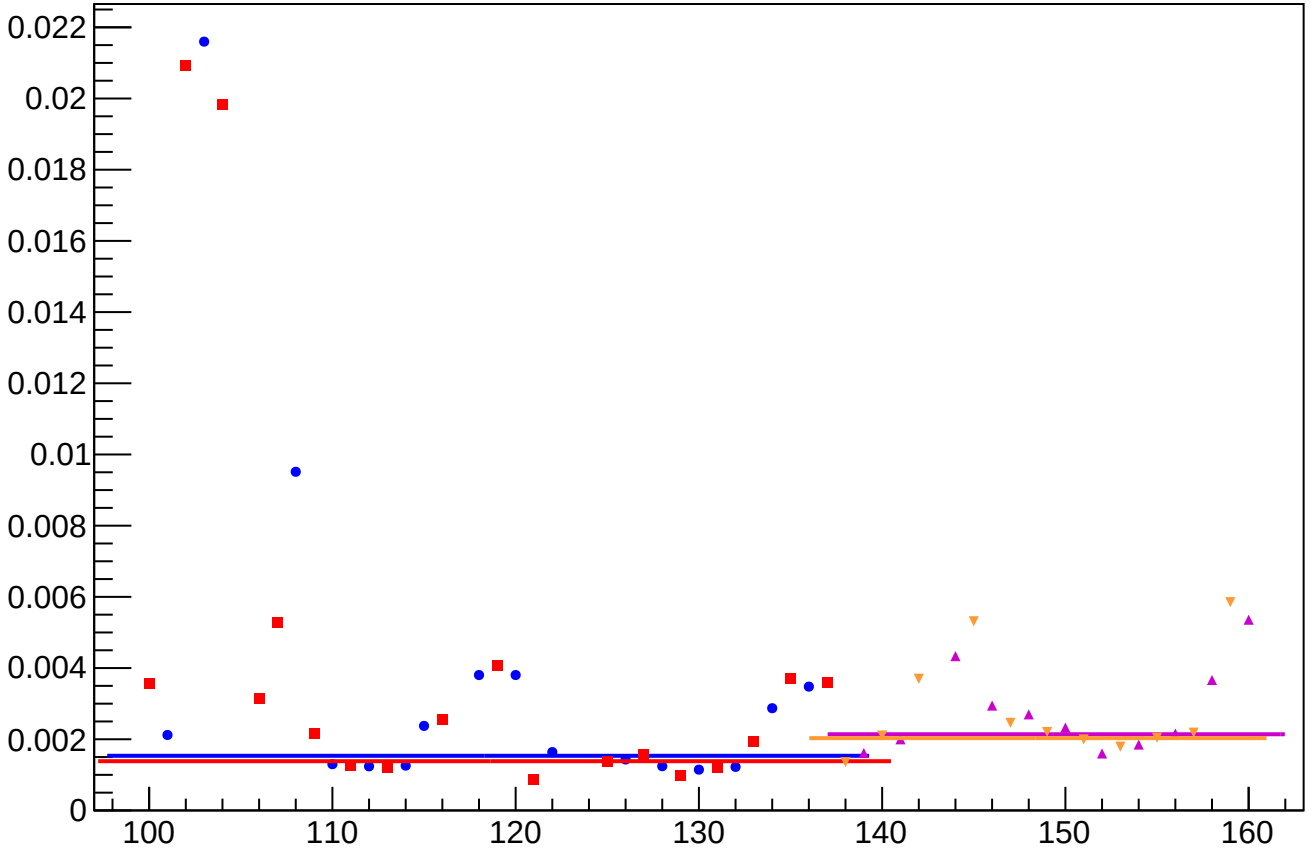
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.7/26

Out: 0.000+/-0.000 χ^2/NDF:50.5/28

All: -0.000+/-0.000 χ^2/NDF: 78.0/55

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:1861580.4/10

Left: 0.002+/-0.000 χ^2/NDF: 3768384.8/21

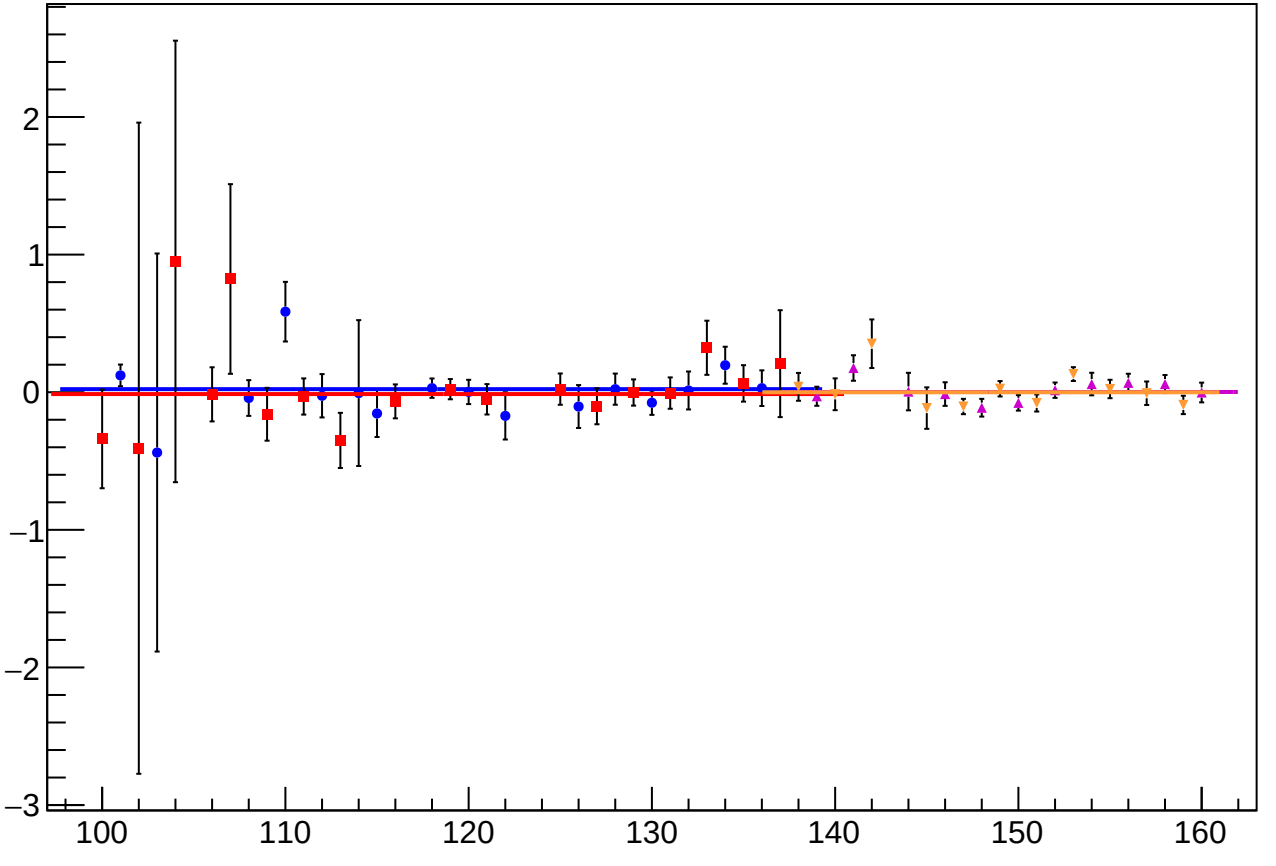
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:5966050.4/26

Out: 0.002+/-0.000 χ^2/NDF:7039380.9/28

All: 0.002+/-0.000 χ^2/NDF: 13093075.0/55

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+/-0.021 χ^2/NDF:11.2/10

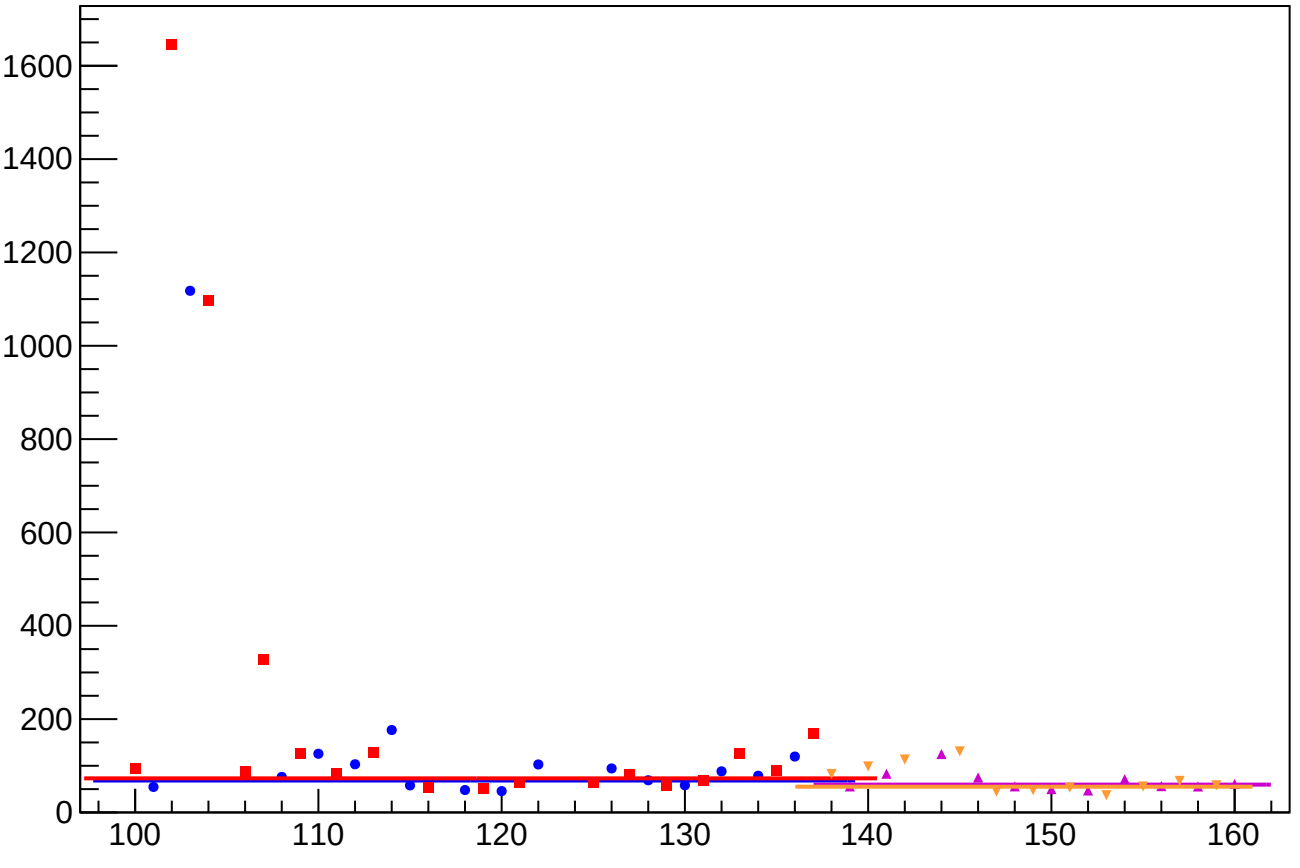
Left: 0.001+/-0.015 χ^2/NDF: 30.2/21

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.002+/-0.013 χ^2/NDF: 56.5/55



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: 59.621+/-0.015 χ^2/NDF:879628.7/10

Left: 57.441+/-0.011 χ^2/NDF: 2492095.4/21

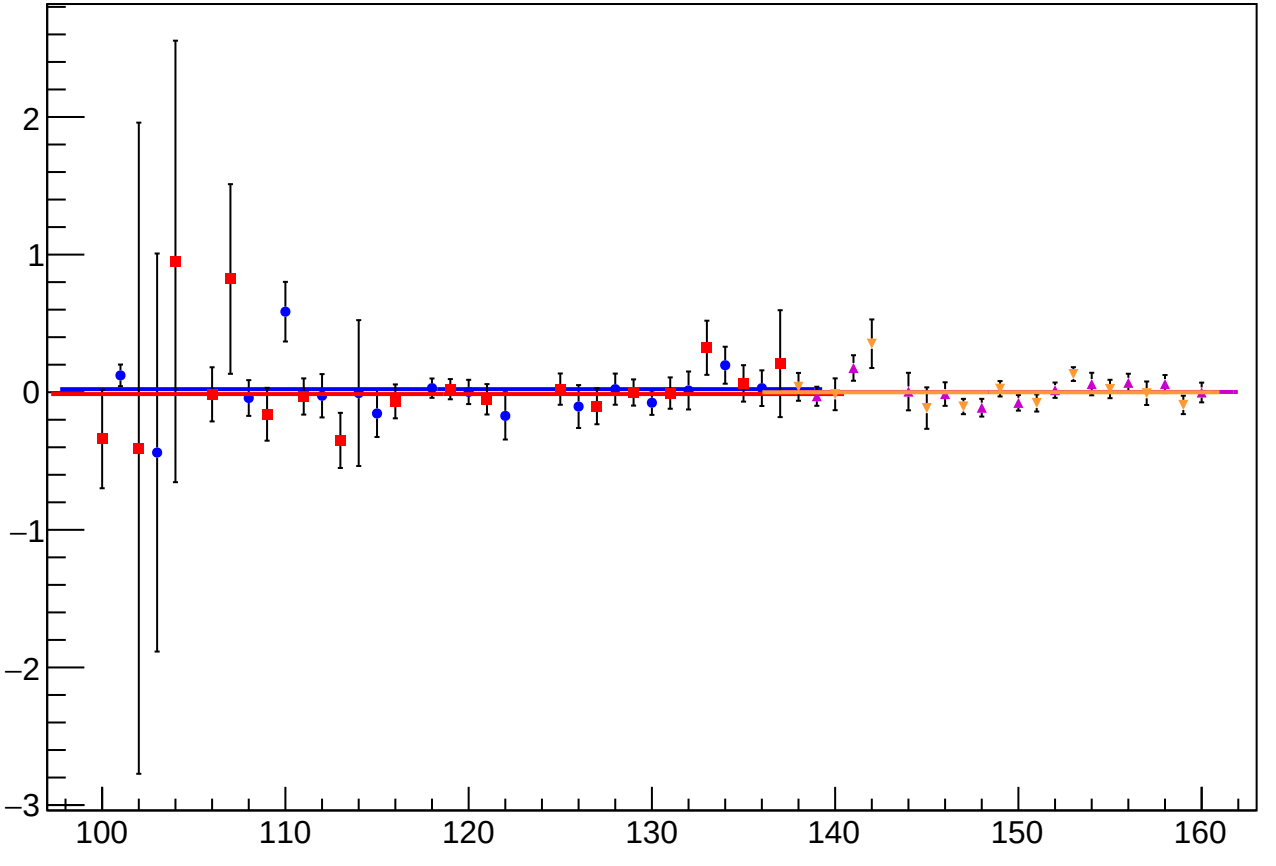
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.560+/-0.012 χ^2/NDF:3271522.8/26

Out: 60.469+/-0.013 χ^2/NDF:4885268.2/28

All: 61.560+/-0.009 χ^2/NDF: 8170578.1/55

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+/-0.021 χ^2/NDF:11.2/10

Left: 0.001+/-0.015 χ^2/NDF: 30.2/21

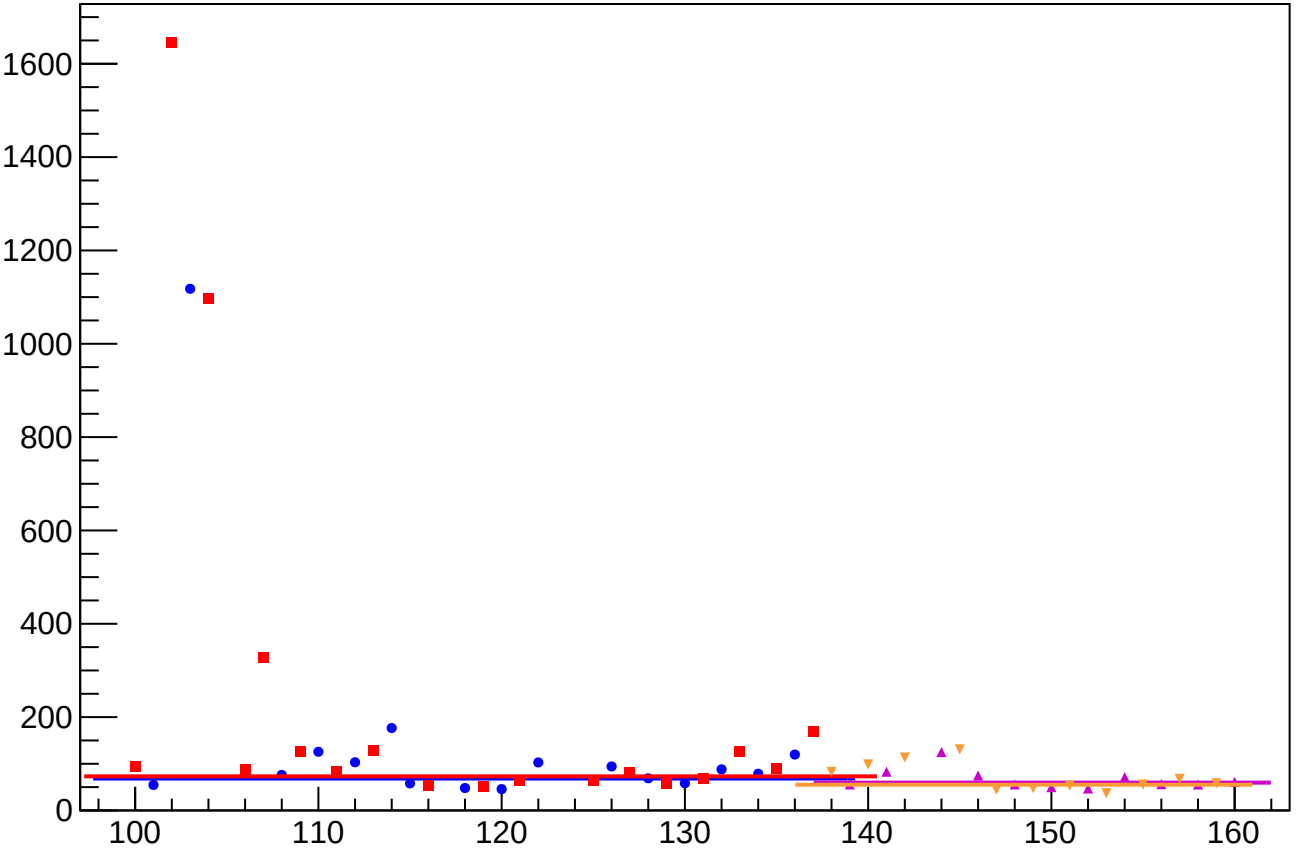
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.004+/-0.018 χ^2/NDF:29.9/28

All: 0.002+/-0.013 χ^2/NDF: 56.5/55

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: 59.621+/-0.015 χ^2/NDF:879628.7/10

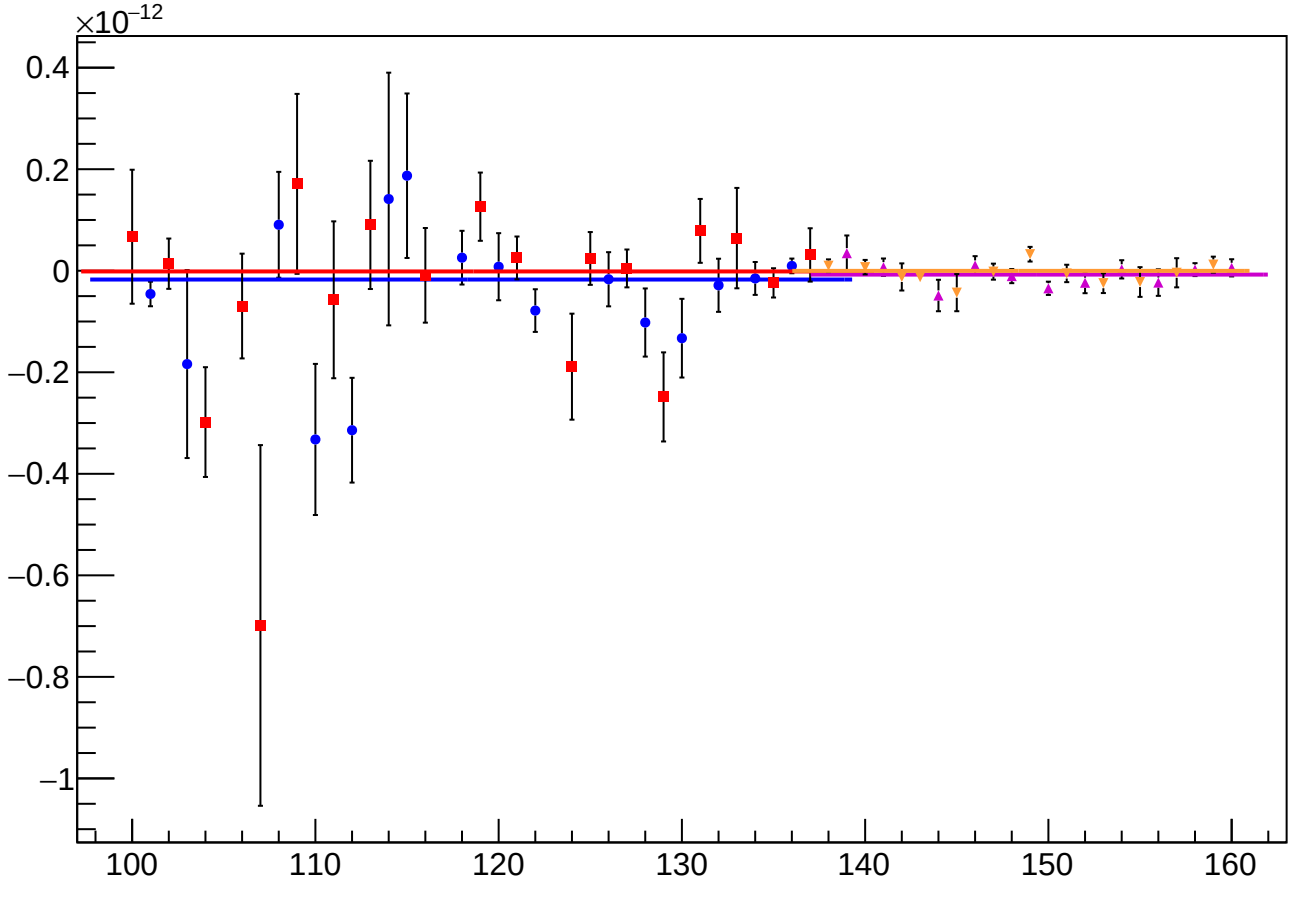
Left: 57.441+/-0.011 χ^2/NDF: 2492095.4/21

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.560+/-0.012 χ^2/NDF:3271522.8/26

Out: 60.469+/-0.013 χ^2/NDF:4885268.2/28

All: 61.560+/-0.009 χ^2/NDF: 8170578.1/55



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:11.7/10

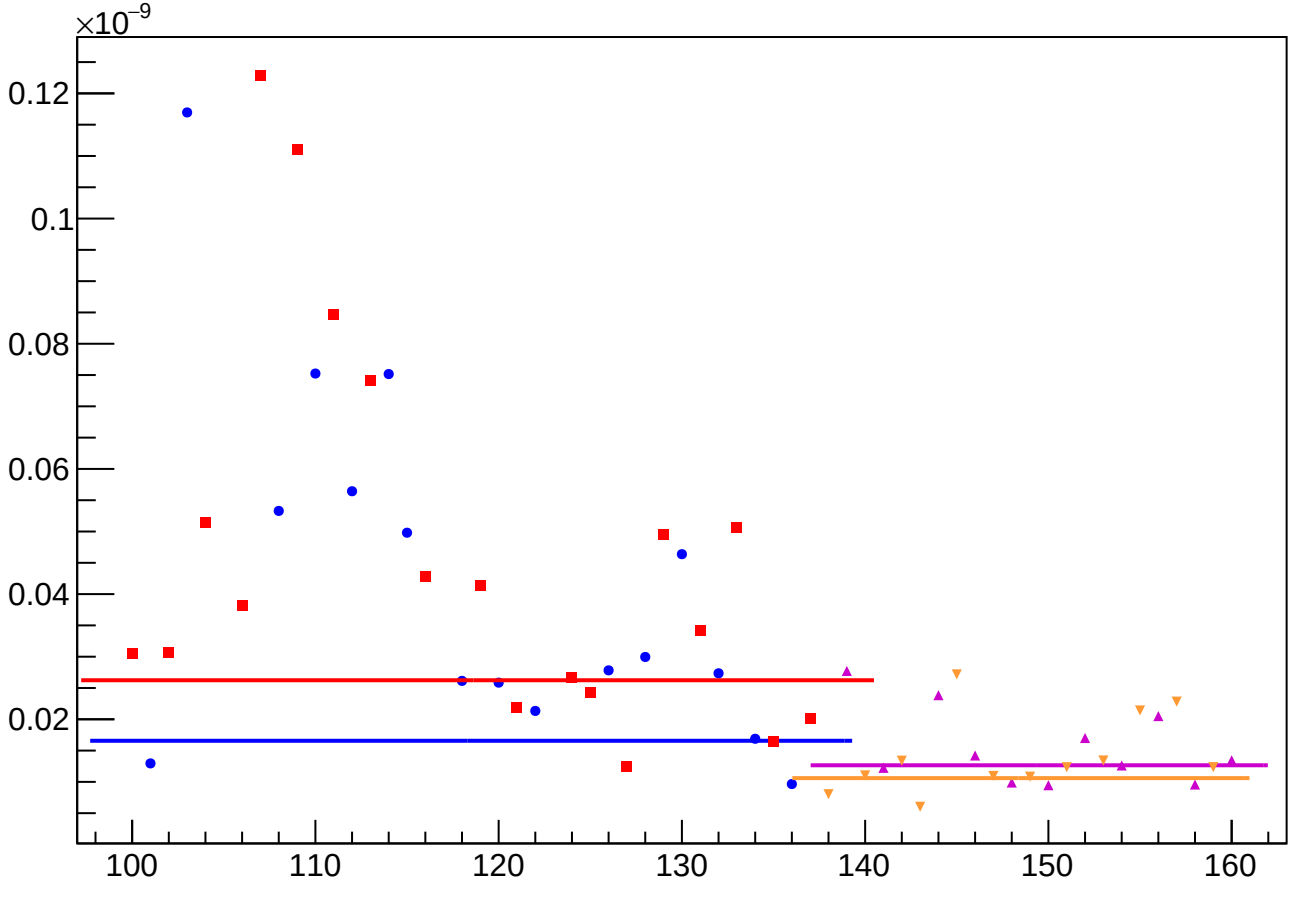
Left: -0.000+/-0.000 χ^2/NDF: 25.0/22

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:40.7/26

Out: -0.000+/-0.000 χ^2/NDF:44.5/30

All: -0.000+/-0.000 χ^2/NDF: 87.3/57



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:1238409.5/10

Left: 0.000+/-0.000 χ^2/NDF: 3130037.5/22

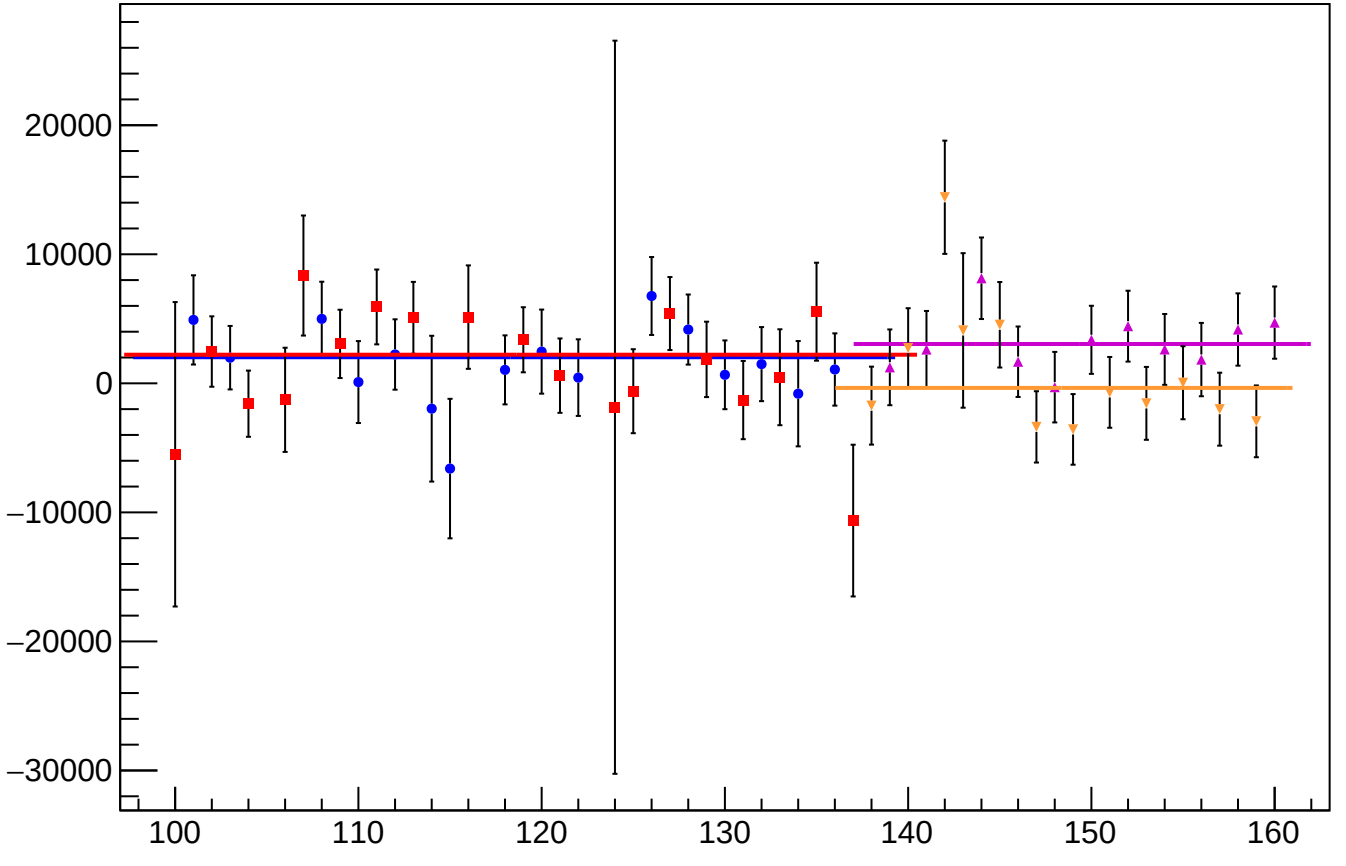
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4301858.8/26

Out: 0.000+/-0.000 χ^2/NDF:6242263.6/30

All: 0.000+/-0.000 χ^2/NDF: 10639076.4/57

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: 3047.111+/-850.003 χ^2/NDF:5.7/10

Left: 1407.502+/-611.772 χ^2/NDF: 32.7/22

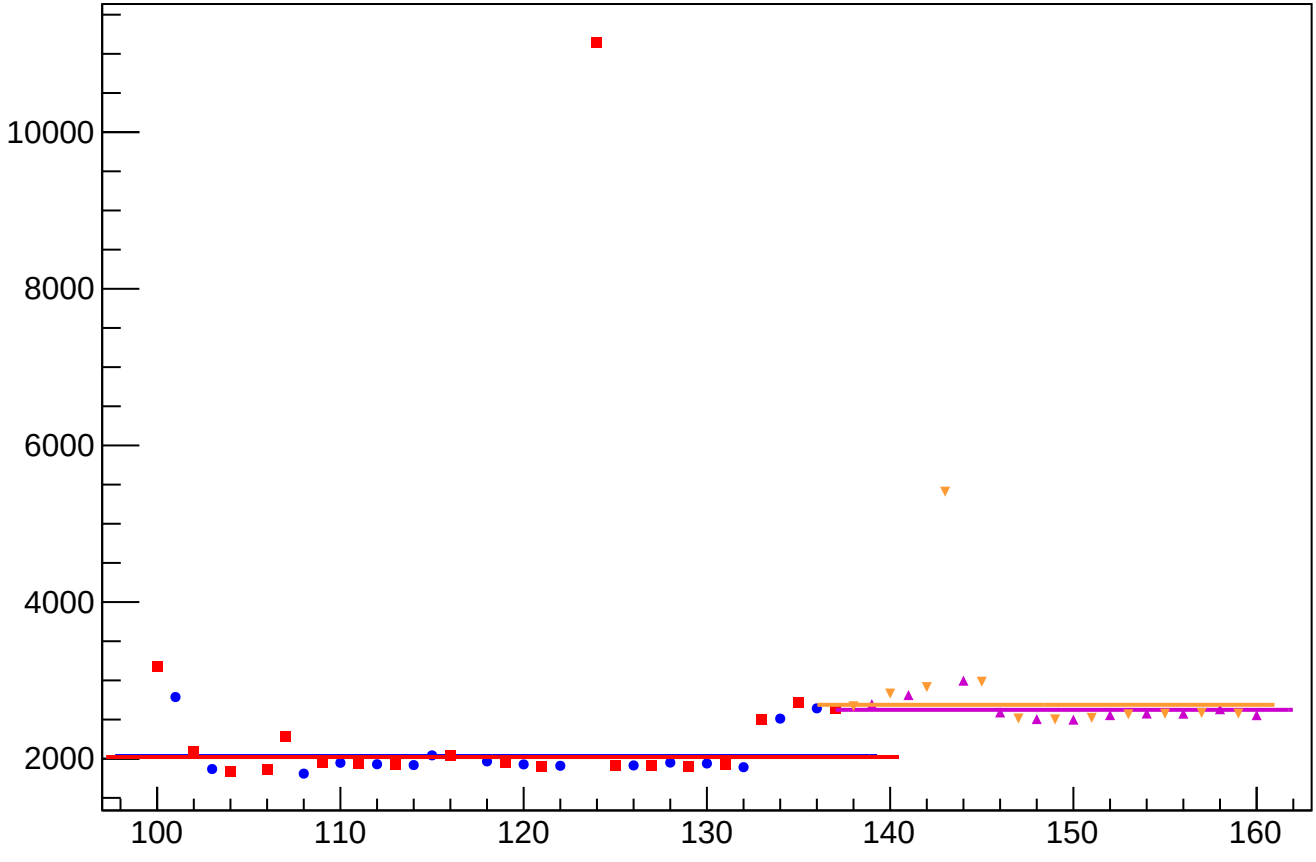
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2480.705+/-568.357 χ^2/NDF:16.1/26

Out: 1126.603+/-573.836 χ^2/NDF:42.3/30

All: 1810.150+/-403.812 χ^2/NDF: 61.3/57

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: 2624.256+/-0.601 χ^2/NDF:49045.4/10

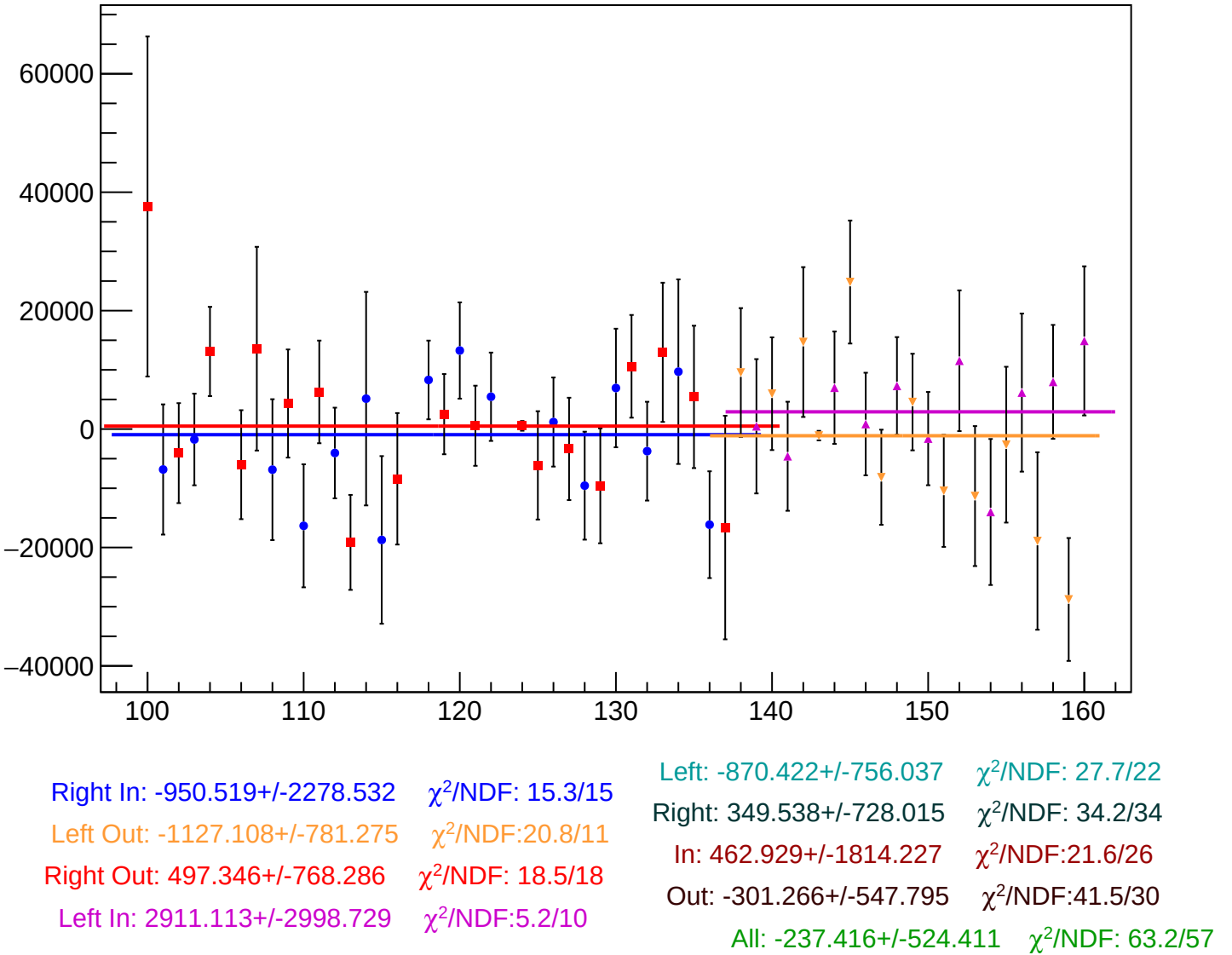
Left: 2655.252+/-0.433 χ^2/NDF: 530674.3/22

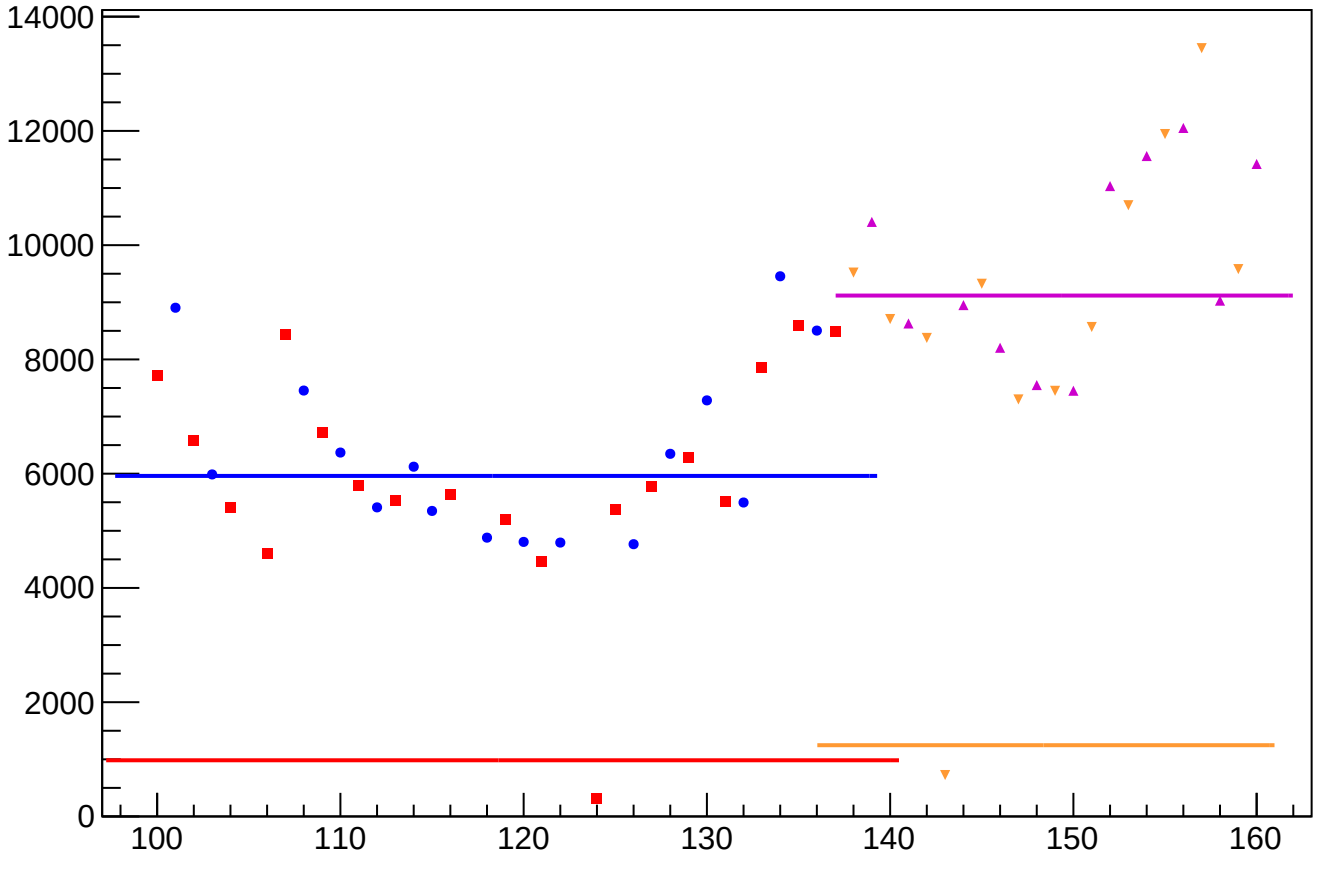
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2297.989+/-0.402 χ^2/NDF:844955.6/26

Out: 2304.405+/-0.406 χ^2/NDF:1526421.2/30

All: 2301.166+/-0.286 χ^2/NDF: 2371503.1/57


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: 2911.113+/-2998.729 χ²/NDF:5.2/10
Left: -870.422+/-756.037 χ²/NDF: 27.7/22
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 462.929+/-1814.227 χ²/NDF:21.6/26
Out: -301.266+/-547.795 χ²/NDF:41.5/30
All: -237.416+/-524.411 χ²/NDF: 63.2/57



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: 9117.927+/-2.120 χ^2/NDF:510180.0/10

Left: 1747.448+/-0.535 χ^2/NDF: 27183711.9/22

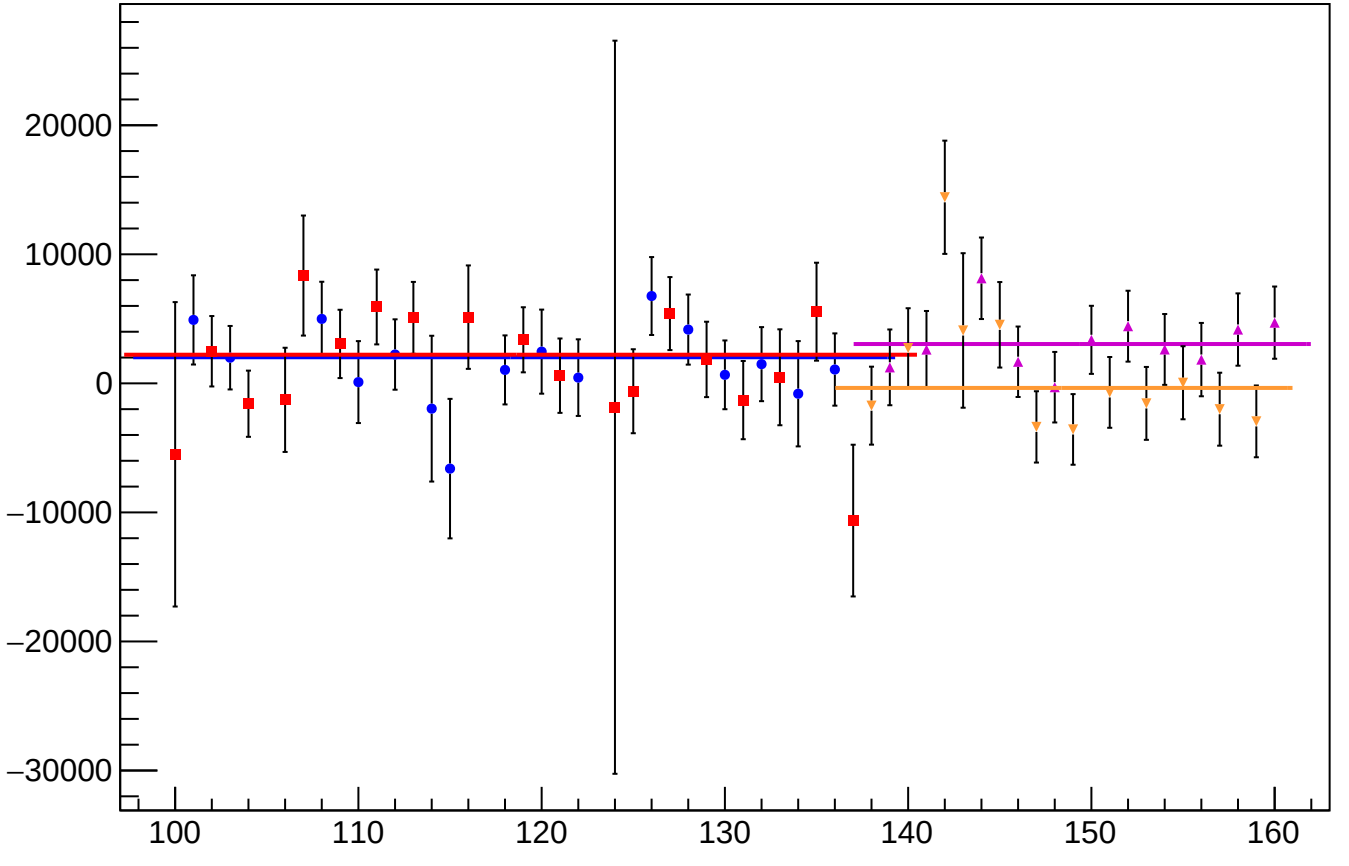
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7116.384+/-1.283 χ^2/NDF:2604887.7/26

Out: 1113.022+/-0.387 χ^2/NDF:25303819.6/30

All: 1614.619+/-0.371 χ^2/NDF: 47978515.3/5

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: 3047.208+/-850.003 χ^2/NDF:5.7/10

Left: 1407.612+/-611.772 χ^2/NDF: 32.7/22

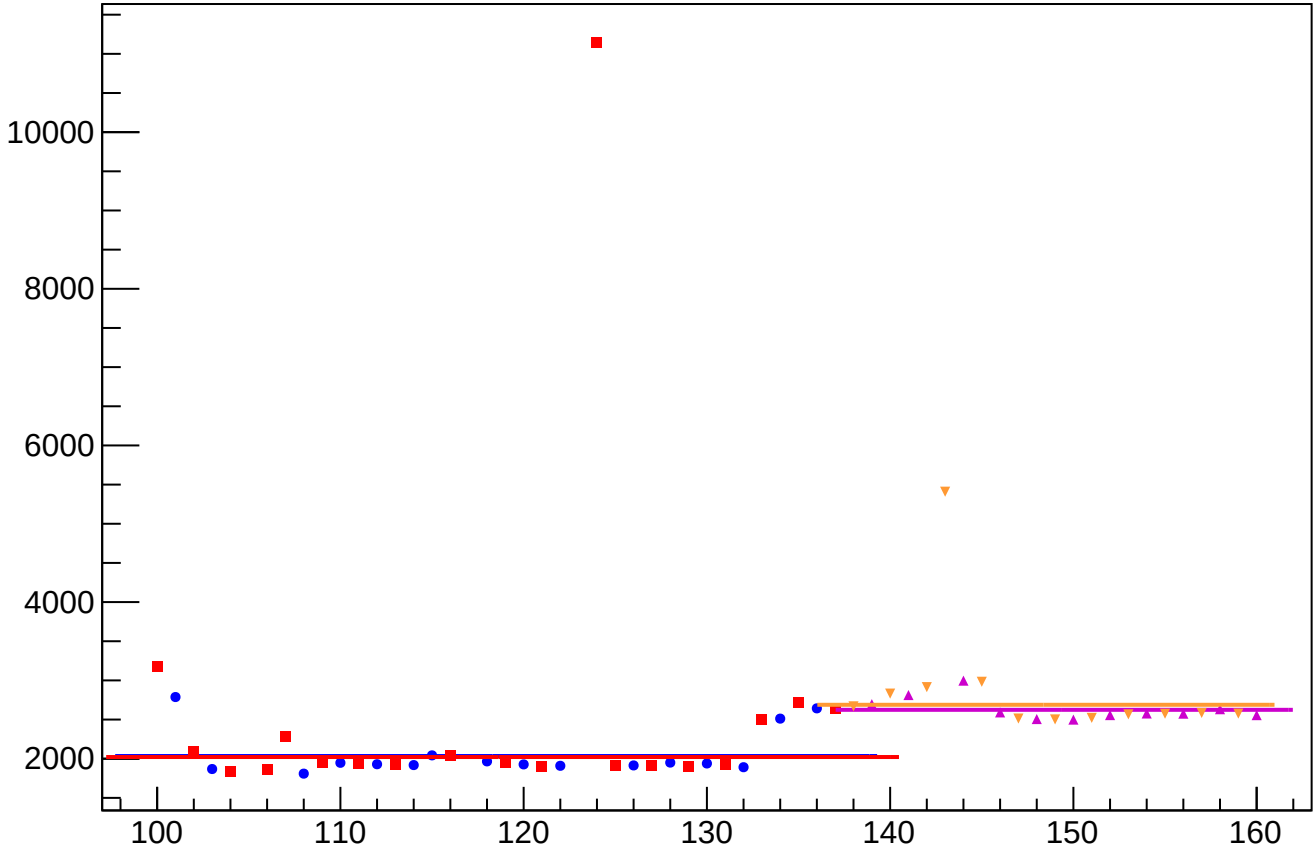
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2480.818+/-568.357 χ^2/NDF:16.1/26

Out: 1127.703+/-573.839 χ^2/NDF:42.3/30

All: 1810.755+/-403.813 χ^2/NDF: 61.3/57

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: 2624.256+/-0.601 χ^2/NDF:49045.4/10

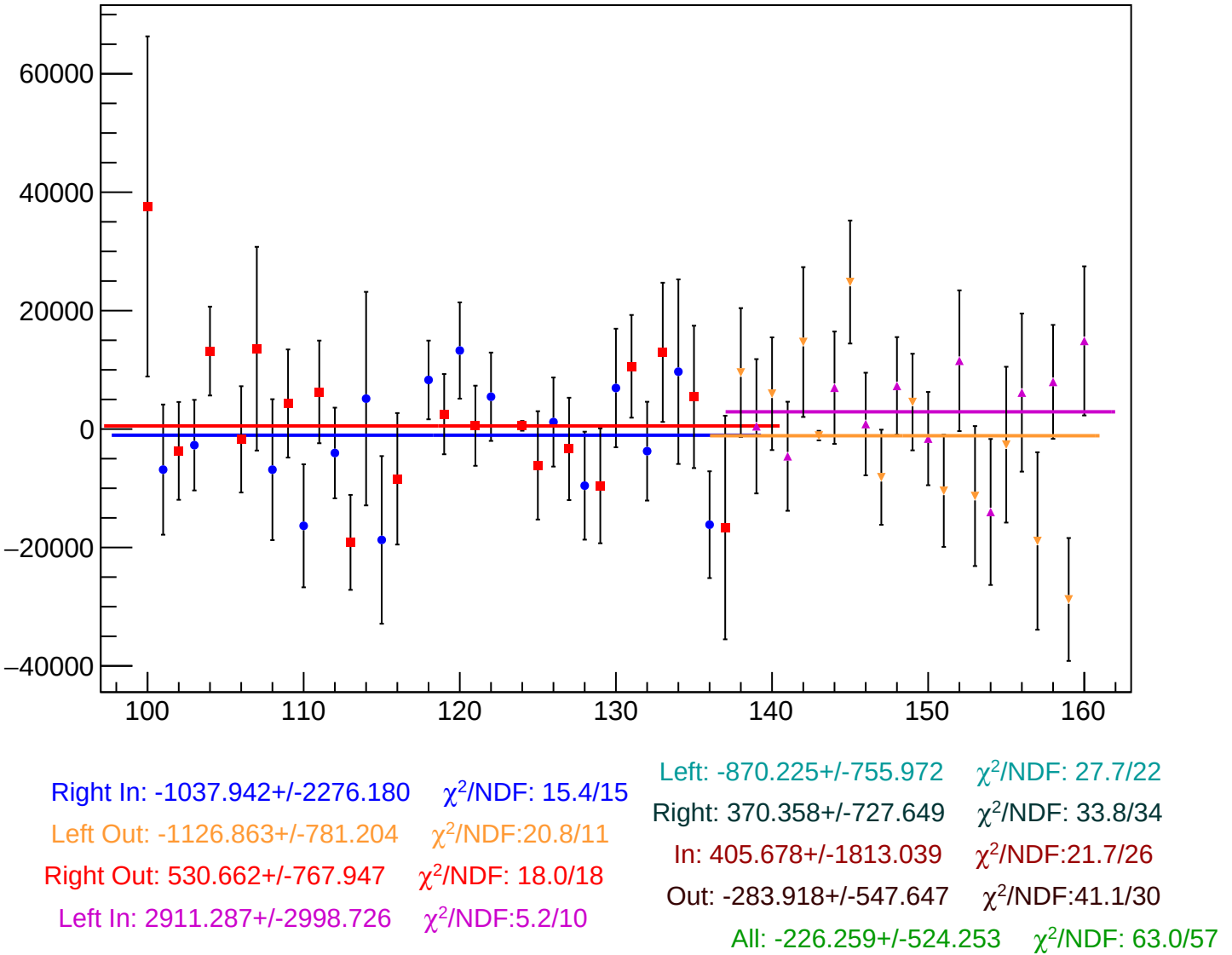
Left: 2655.252+/-0.433 χ^2/NDF: 530674.3/22

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2297.989+/-0.402 χ^2/NDF:844955.7/26

Out: 2304.421+/-0.406 χ^2/NDF:1526384.7/30

All: 2301.174+/-0.286 χ^2/NDF: 2371467.3/57


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
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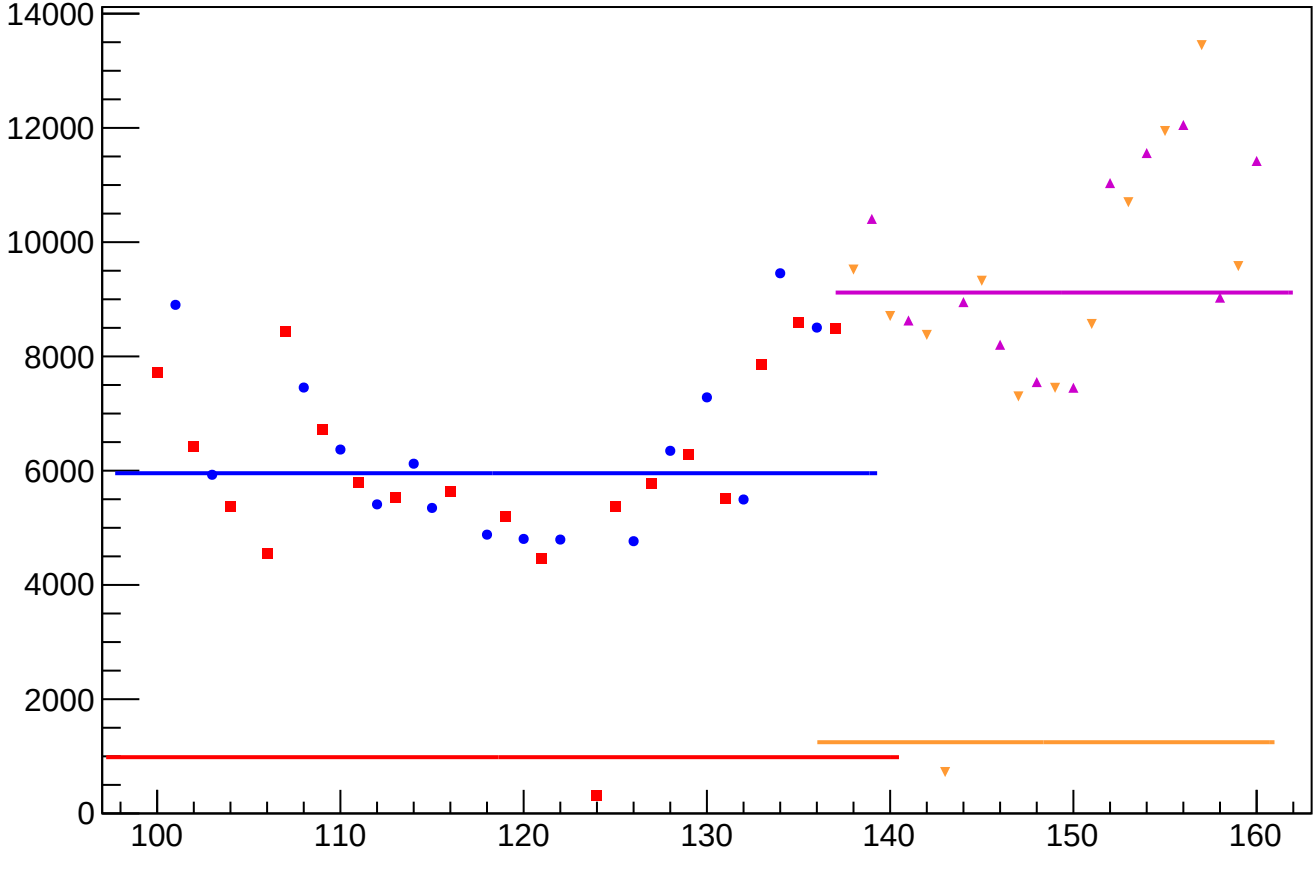
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1126.863+/-781.204 χ²/NDF:20.8/11
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2911.287+/-2998.726 χ²/NDF:5.2/10
Left: -870.225+/-755.972 χ²/NDF: 27.7/22
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 405.678+/-1813.039 χ²/NDF:21.7/26
Out: -283.918+/-547.647 χ²/NDF:41.1/30
All: -226.259+/-524.253 χ²/NDF: 63.0/57

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: 9117.918+/-2.120 χ^2/NDF:510186.0/10

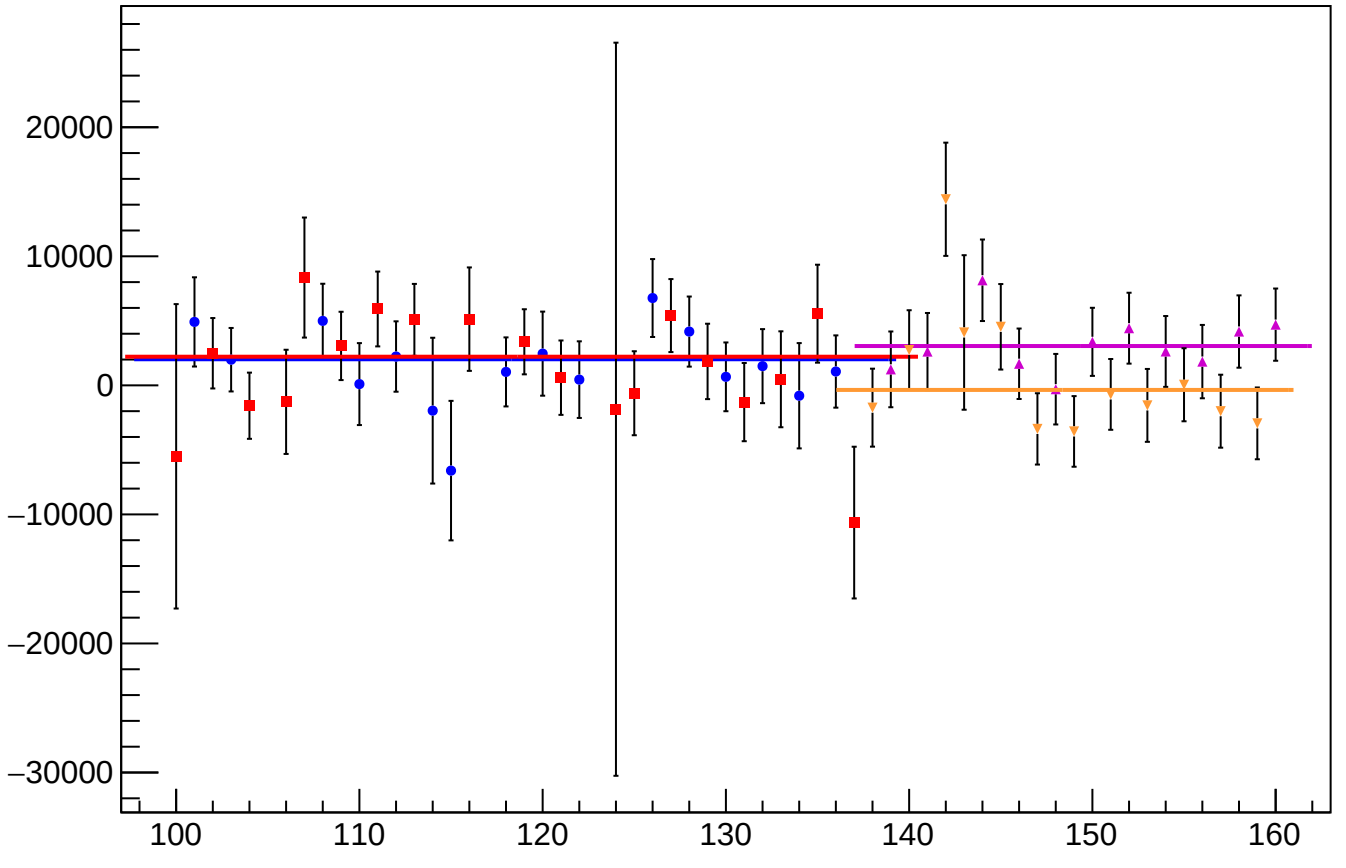
Left: 1747.214+/-0.535 χ^2/NDF: 27184760.2/22

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7111.593+/-1.282 χ^2/NDF:2610427.5/26

Out: 1113.776+/-0.387 χ^2/NDF:25298760.2/30

All: 1615.264+/-0.371 χ^2/NDF: 47966911.2/5



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: 3047.208+/-850.003 χ^2/NDF:5.7/10

Left: 1407.612+/-611.772 χ^2/NDF: 32.7/22

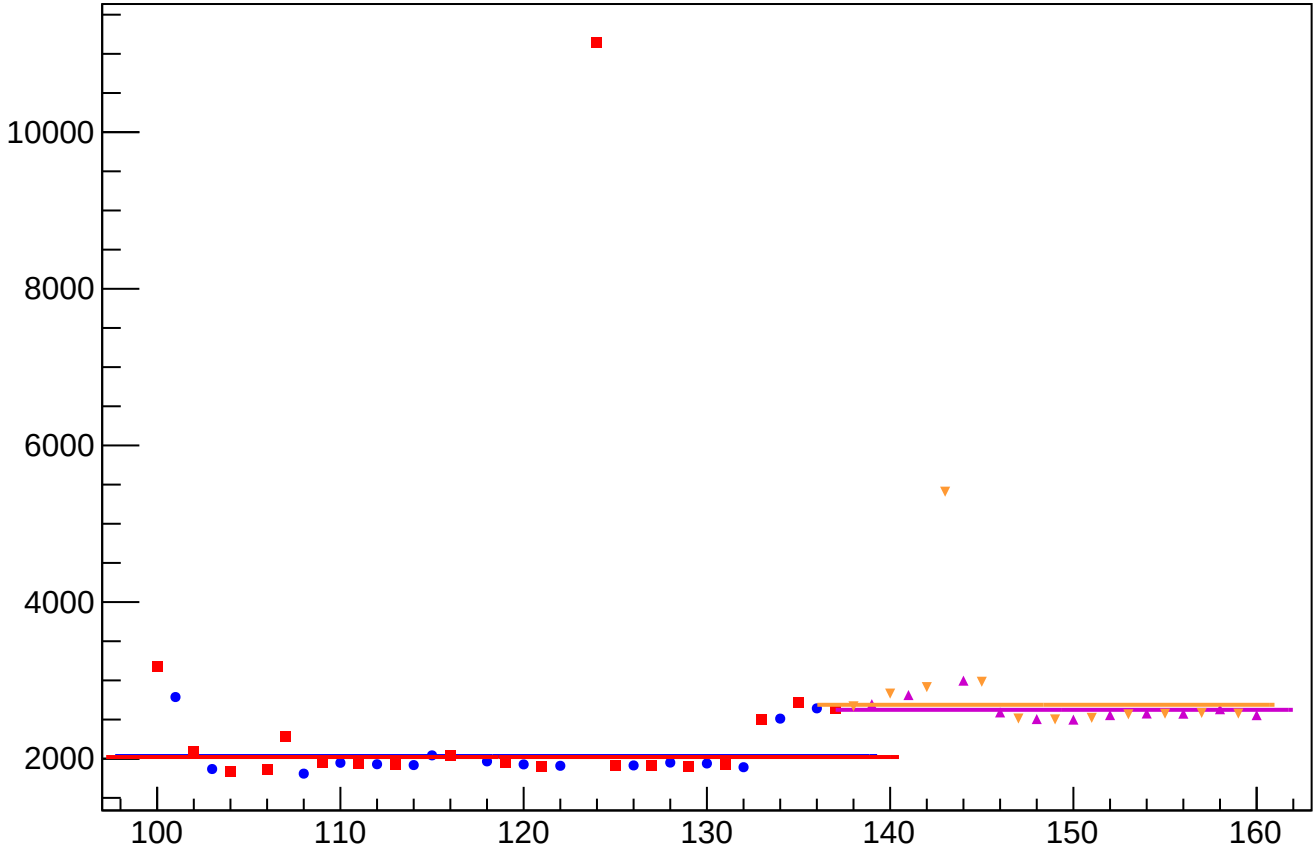
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2480.818+/-568.357 χ^2/NDF:16.1/26

Out: 1127.703+/-573.839 χ^2/NDF:42.3/30

All: 1810.755+/-403.813 χ^2/NDF: 61.3/57

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: 2624.256+/-0.601 χ^2/NDF:49045.4/10

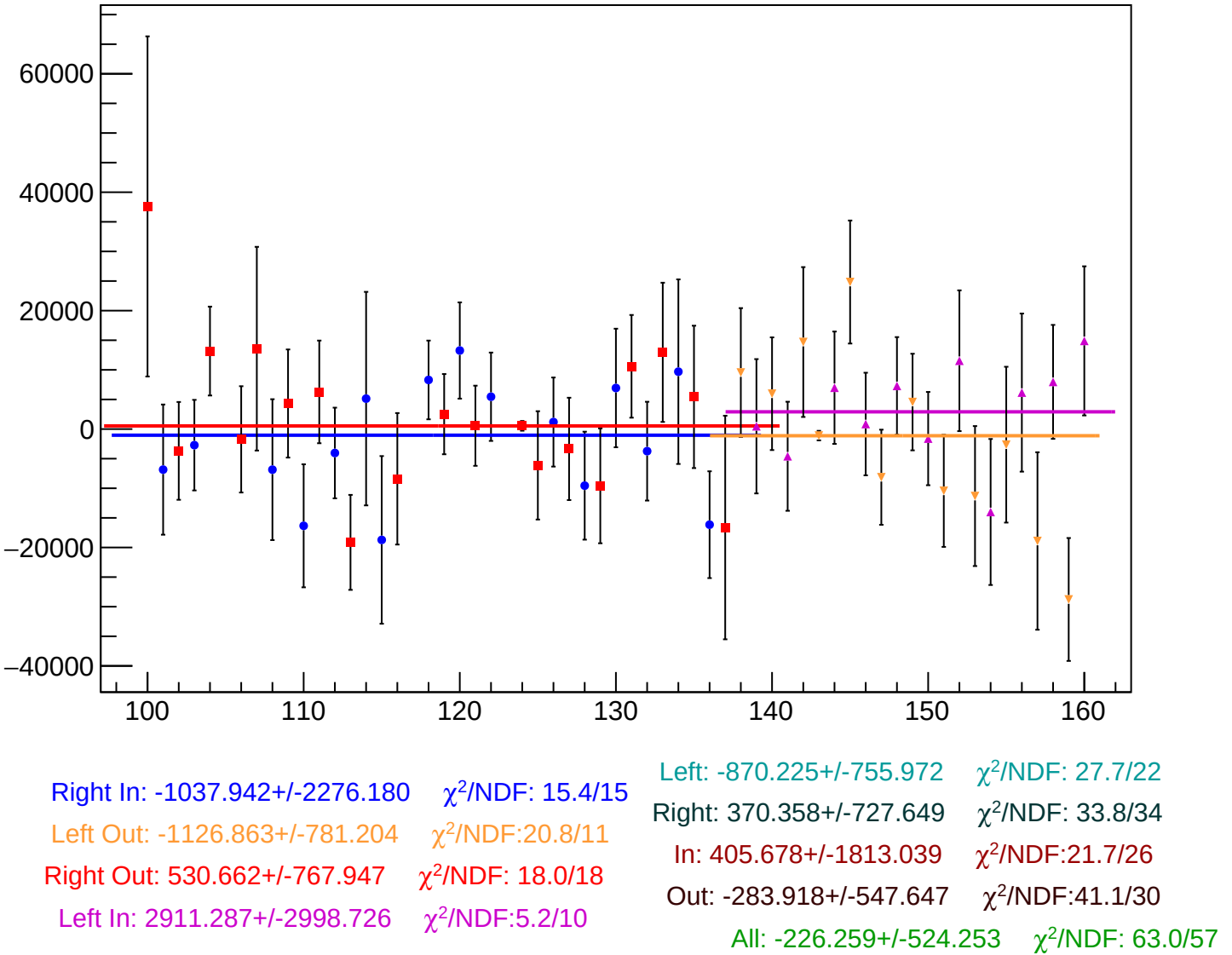
Left: 2655.252+/-0.433 χ^2/NDF: 530674.3/22

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2297.989+/-0.402 χ^2/NDF:844955.7/26

Out: 2304.421+/-0.406 χ^2/NDF:1526384.7/30

All: 2301.174+/-0.286 χ^2/NDF: 2371467.3/57


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
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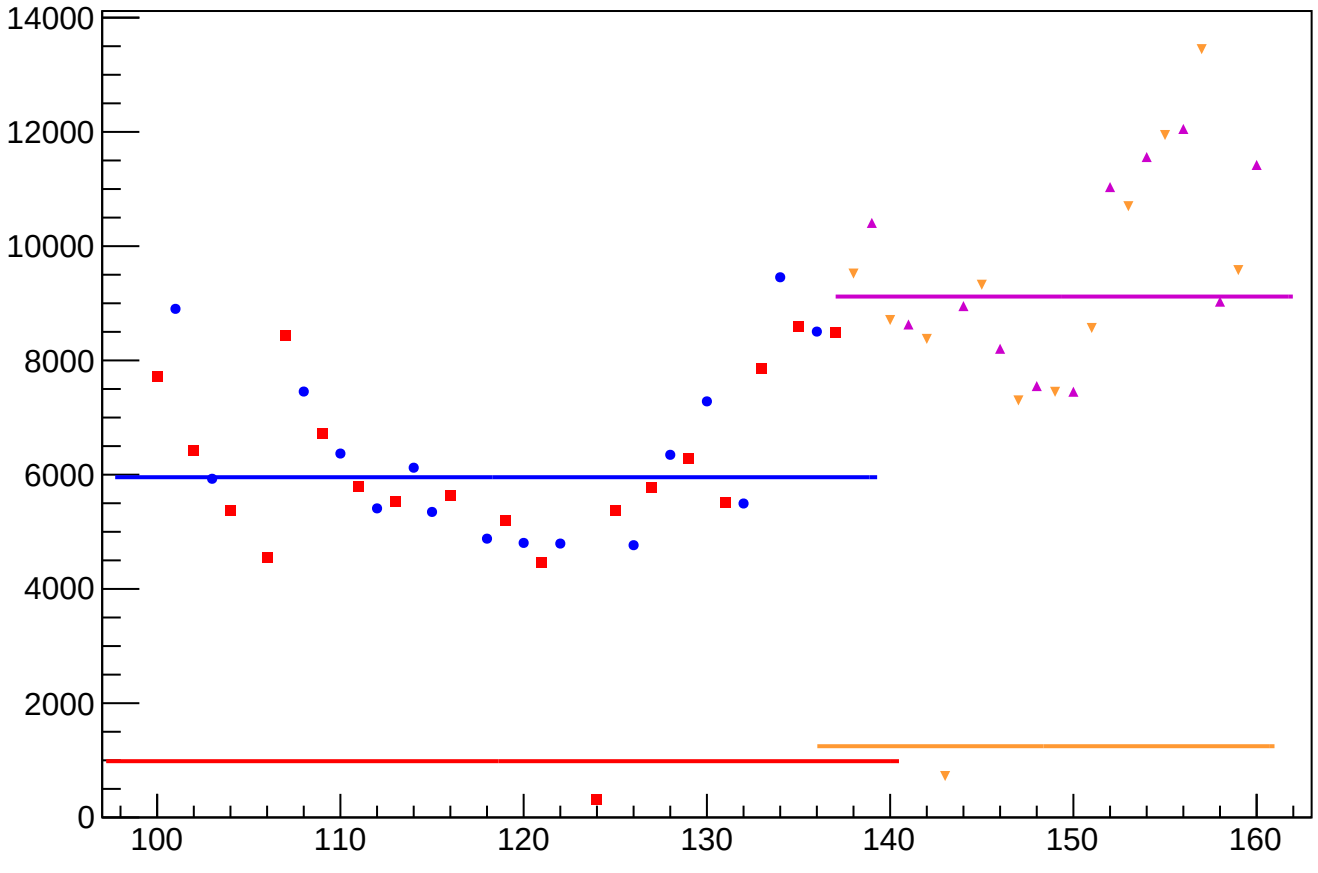
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1126.863+/-781.204 χ²/NDF:20.8/11
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2911.287+/-2998.726 χ²/NDF:5.2/10
Left: -870.225+/-755.972 χ²/NDF: 27.7/22
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 405.678+/-1813.039 χ²/NDF:21.7/26
Out: -283.918+/-547.647 χ²/NDF:41.1/30
All: -226.259+/-524.253 χ²/NDF: 63.0/57



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: 9117.918+/-2.120 χ^2/NDF:510186.0/10

Left: 1747.214+/-0.535 χ^2/NDF: 27184760.2/22

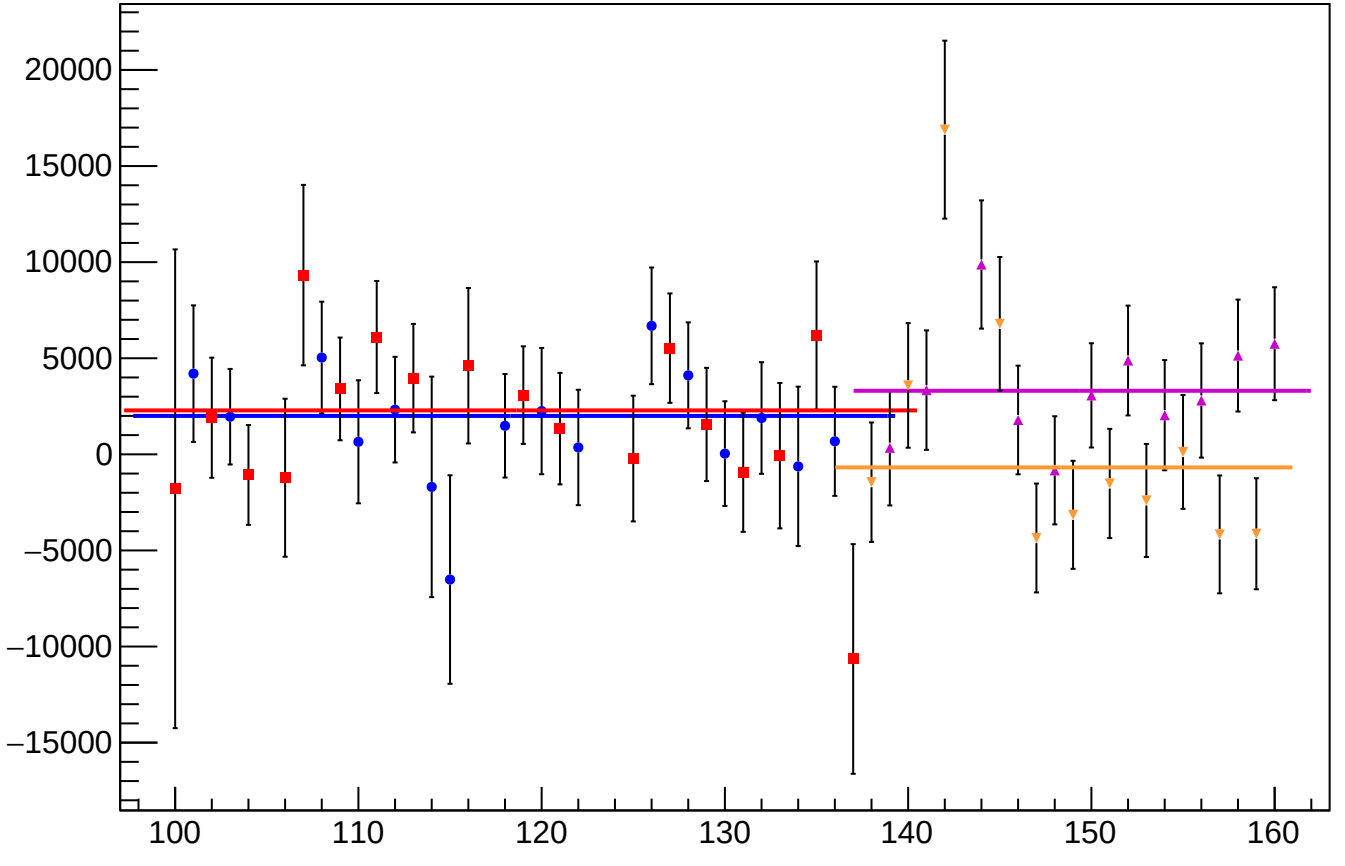
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7111.593+/-1.282 χ^2/NDF:2610427.5/26

Out: 1113.776+/-0.387 χ^2/NDF:25298760.2/30

All: 1615.264+/-0.371 χ^2/NDF: 47966911.2/5

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: 3307.171+/-882.839 χ^2/NDF:8.9/10

Left: 1414.800+/-639.932 χ^2/NDF: 45.1/21

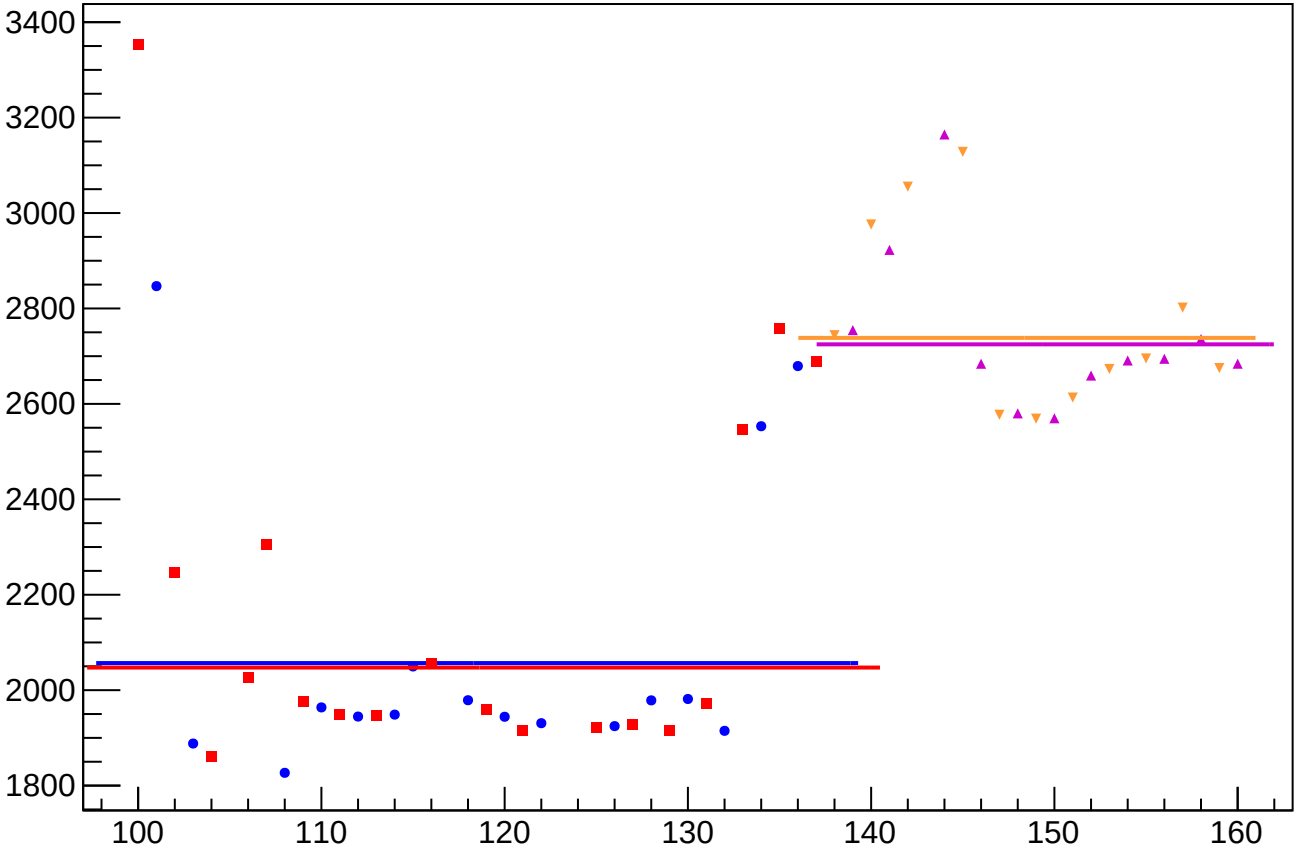
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2567.257+/-581.802 χ^2/NDF:19.2/26

Out: 1075.453+/-593.407 χ^2/NDF:49.2/28

All: 1836.084+/-415.438 χ^2/NDF: 71.6/55

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: 2724.794+/-0.624 χ^2/NDF:57268.9/10

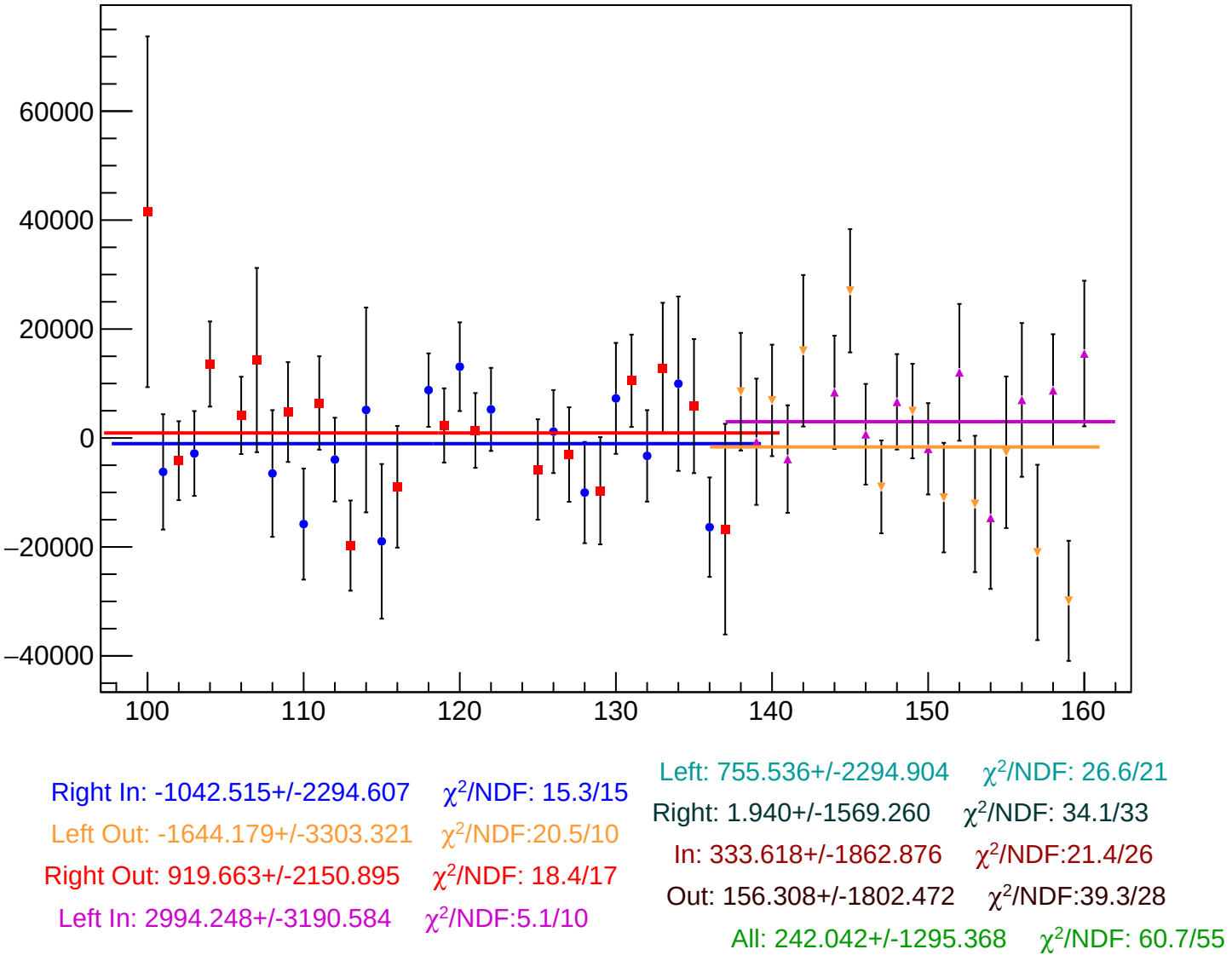
Left: 2731.214+/-0.453 χ^2/NDF: 123601.4/21

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2346.906+/-0.411 χ^2/NDF:975471.0/26

Out: 2328.850+/-0.419 χ^2/NDF:918365.9/28

All: 2338.048+/-0.294 χ^2/NDF: 1894781.8/55


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
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−20000
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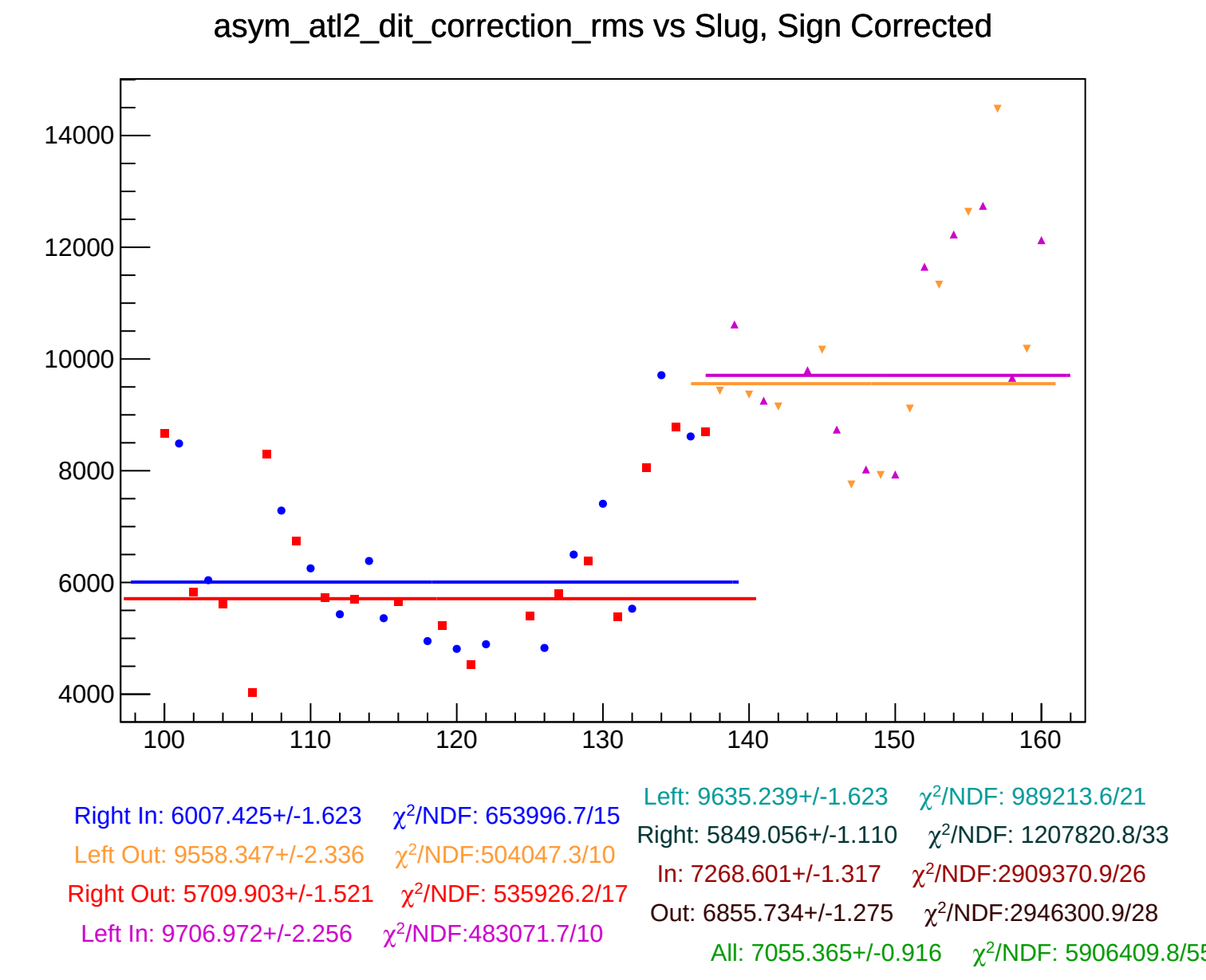
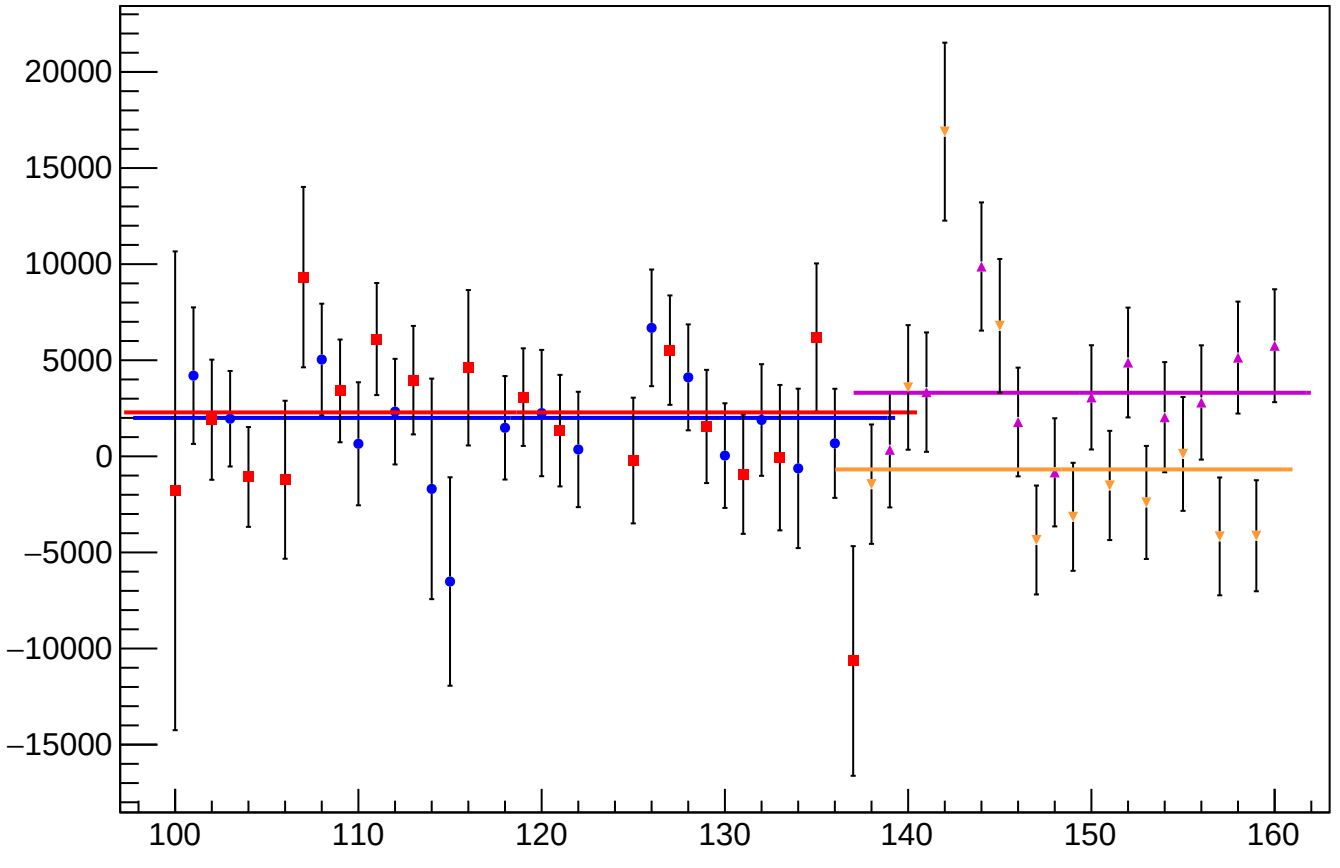
100
110
120
130
140
150
160
Right In: -1042.515+/-2294.607 χ²/NDF: 15.3/15
Left Out: -1644.179+/-3303.321 χ²/NDF:20.5/10
Right Out: 919.663+/-2150.895 χ²/NDF: 18.4/17
Left In: 2994.248+/-3190.584 χ²/NDF:5.1/10
Left: 755.536+/-2294.904 χ²/NDF: 26.6/21
Right: 1.940+/-1569.260 χ²/NDF: 34.1/33
In: 333.618+/-1862.876 χ²/NDF:21.4/26
Out: 156.308+/-1802.472 χ²/NDF:39.3/28
All: 242.042+/-1295.368 χ²/NDF: 60.7/55


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9558.347+/-2.336 χ²/NDF:504047.3/10
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9706.972+/-2.256 χ²/NDF:483071.7/10
Left: 9635.239+/-1.623 χ²/NDF: 989213.6/21
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7268.601+/-1.317 χ²/NDF:2909370.9/26
Out: 6855.734+/-1.275 χ²/NDF:2946300.9/28
All: 7055.365+/-0.916 χ²/NDF: 5906409.8/55



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: 3307.172+/-882.840 χ^2/NDF:8.9/10

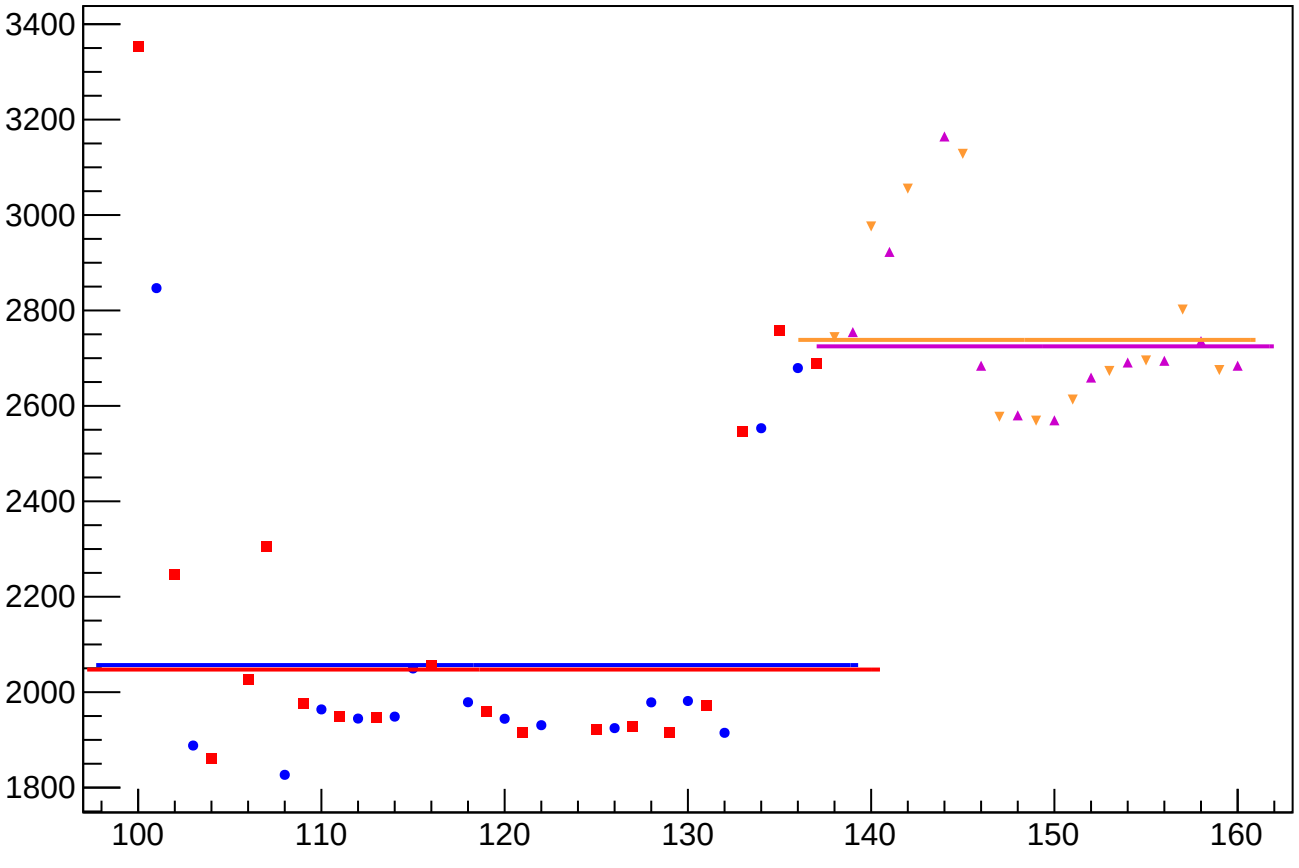
Left: 1414.797+/-639.933 χ^2/NDF: 45.1/21

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2567.259+/-581.803 χ^2/NDF:19.2/26

Out: 1075.454+/-593.407 χ^2/NDF:49.2/28

All: 1836.086+/-415.439 χ^2/NDF: 71.6/55


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
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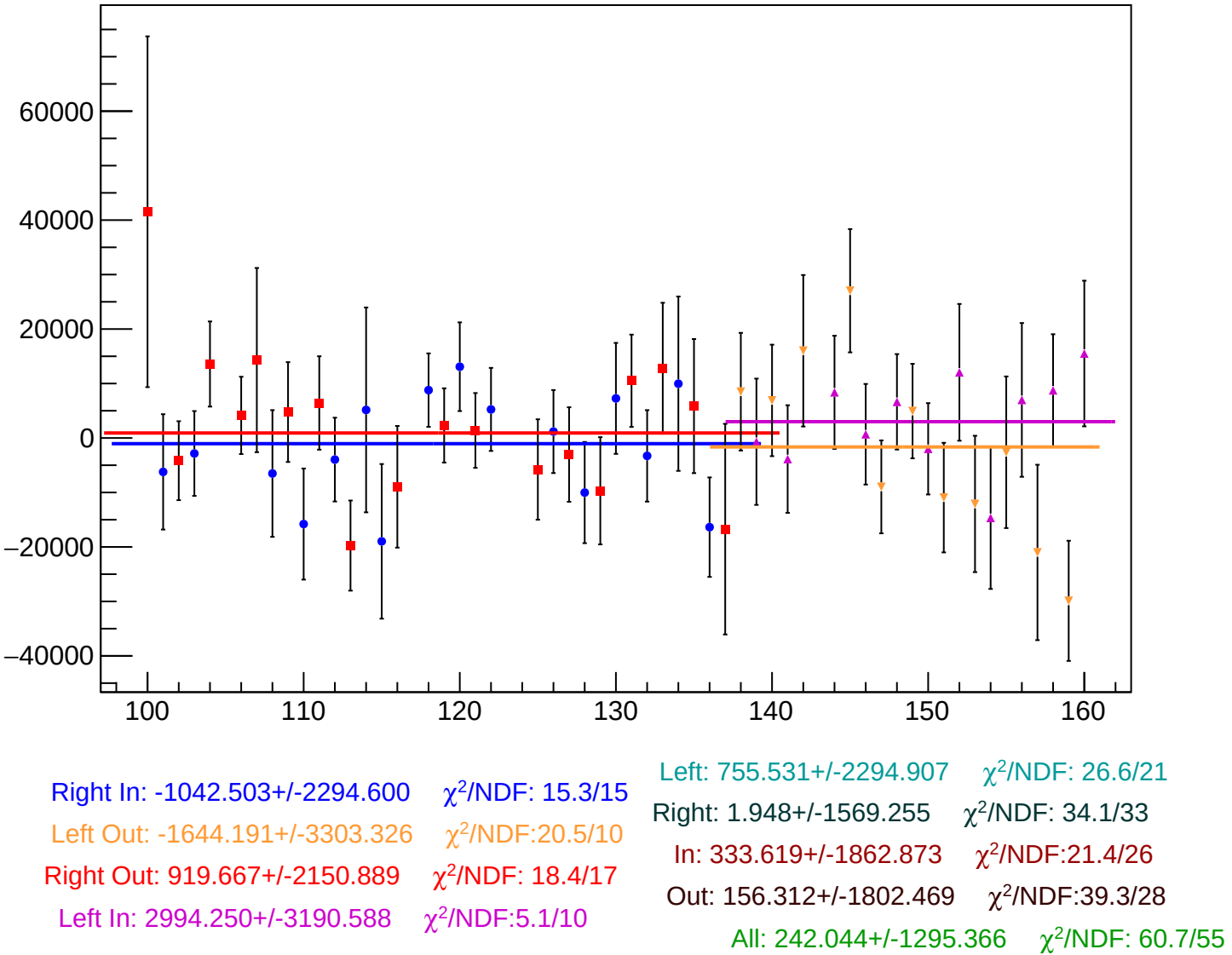
160
Right In: 2056.796+/-0.547 χ²/NDF: 270454.5/15
Left Out: 2738.325+/-0.657 χ²/NDF:66110.8/10
Right Out: 2047.400+/-0.545 χ²/NDF: 196523.3/17
Left In: 2724.797+/-0.624 χ²/NDF:57269.5/10
Left: 2731.217+/-0.453 χ²/NDF: 123603.2/21
Right: 2052.077+/-0.386 χ²/NDF: 467125.9/33
In: 2346.907+/-0.411 χ²/NDF:975476.2/26
Out: 2328.851+/-0.419 χ²/NDF:918372.4/28
All: 2338.049+/-0.294 χ²/NDF: 1894793.6/55


asym_atl2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
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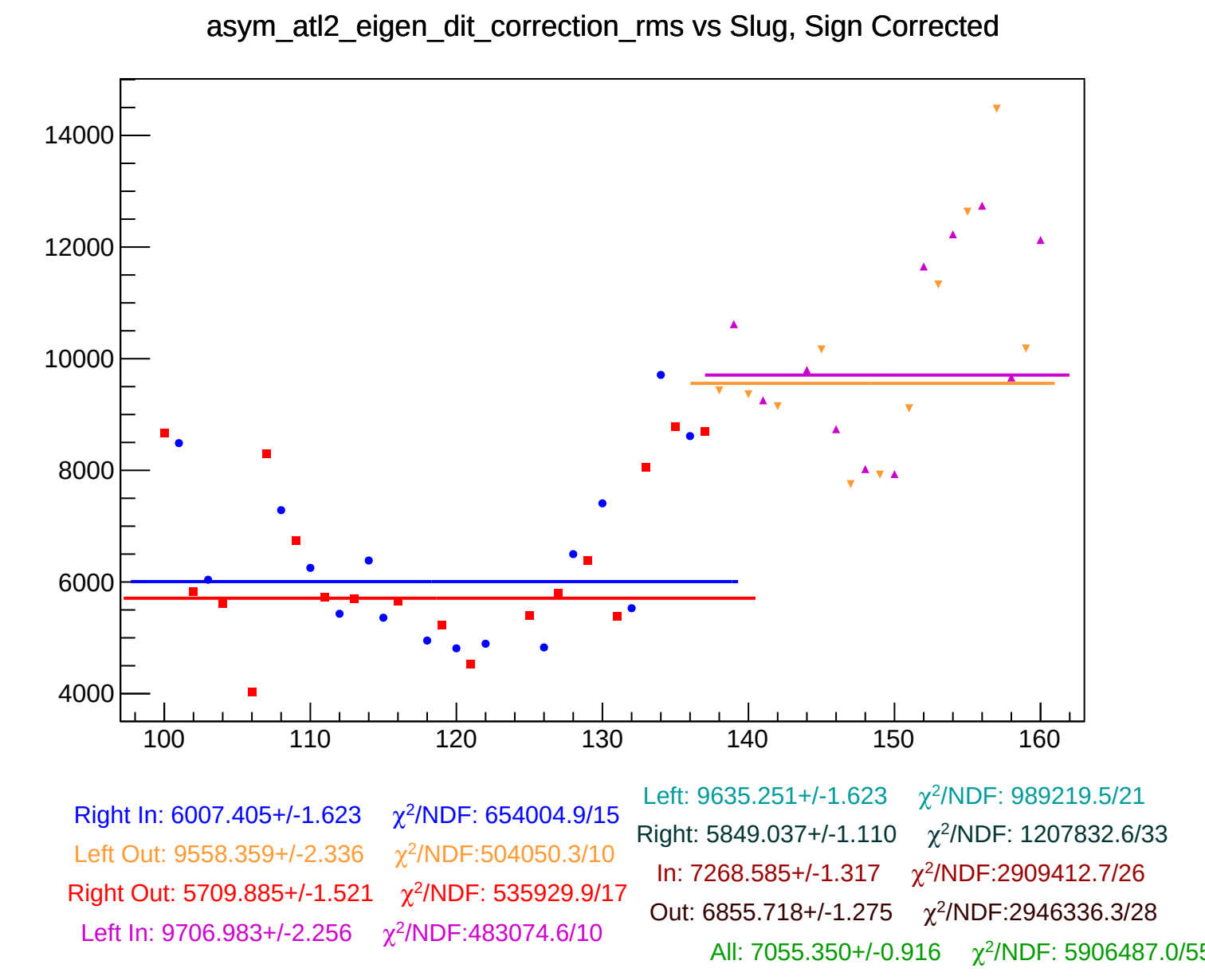
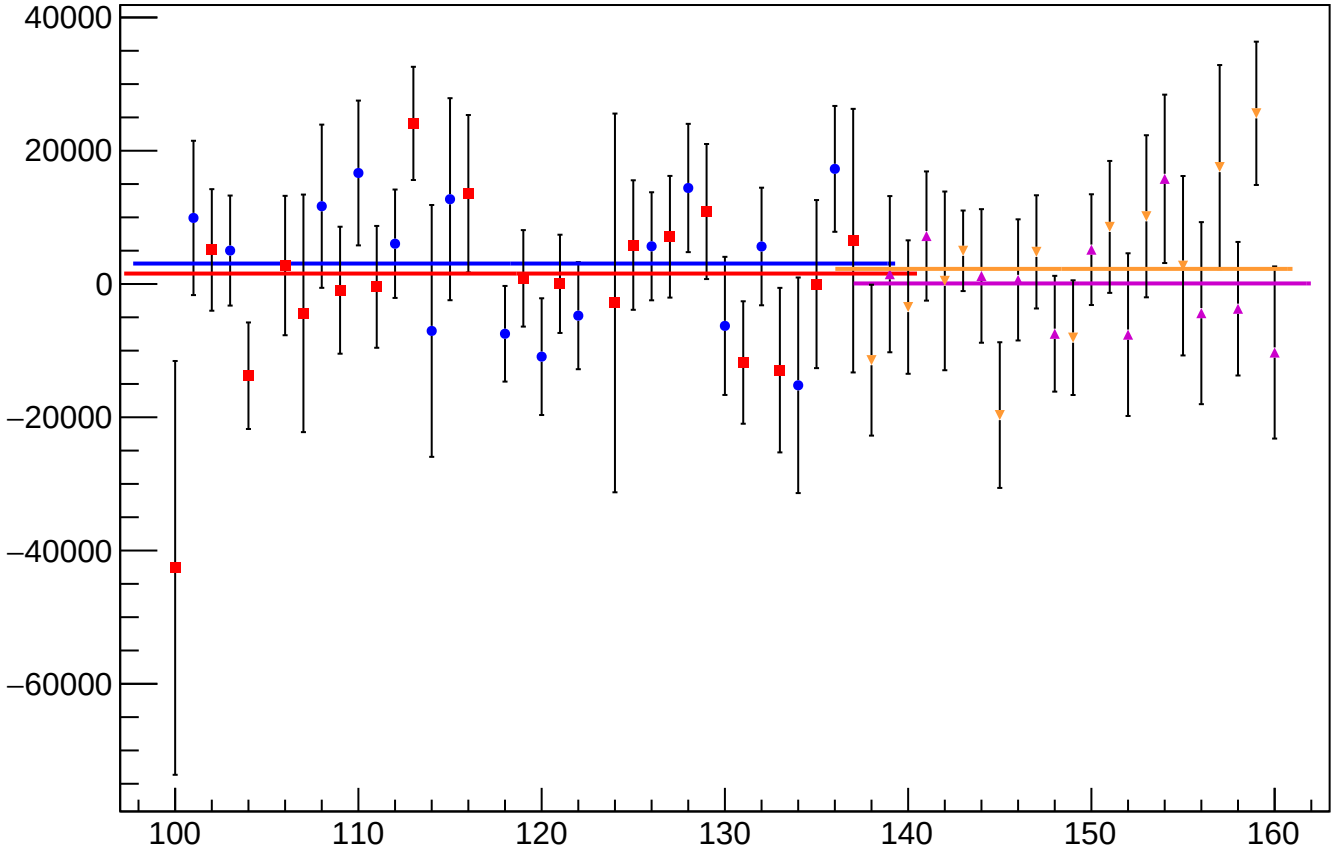
150
160
Right In: -1042.503+/-2294.600 χ²/NDF: 15.3/15
Left Out: -1644.191+/-3303.326 χ²/NDF:20.5/10
Right Out: 919.667+/-2150.889 χ²/NDF: 18.4/17
Left In: 2994.250+/-3190.588 χ²/NDF:5.1/10
Left: 755.531+/-2294.907 χ²/NDF: 26.6/21
Right: 1.948+/-1569.255 χ²/NDF: 34.1/33
In: 333.619+/-1862.873 χ²/NDF:21.4/26
Out: 156.312+/-1802.469 χ²/NDF:39.3/28
All: 242.044+/-1295.366 χ²/NDF: 60.7/55


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9558.359+/-2.336 χ²/NDF:504050.3/10
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9706.983+/-2.256 χ²/NDF:483074.6/10
Left: 9635.251+/-1.623 χ²/NDF: 989219.5/21
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7268.585+/-1.317 χ²/NDF:2909412.7/26
Out: 6855.718+/-1.275 χ²/NDF:2946336.3/28
All: 7055.350+/-0.916 χ²/NDF: 5906487.0/55

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: 83.870+/-3131.458 χ^2/NDF:4.5/10

Left: 1273.635+/-2113.829 χ^2/NDF: 18.9/22

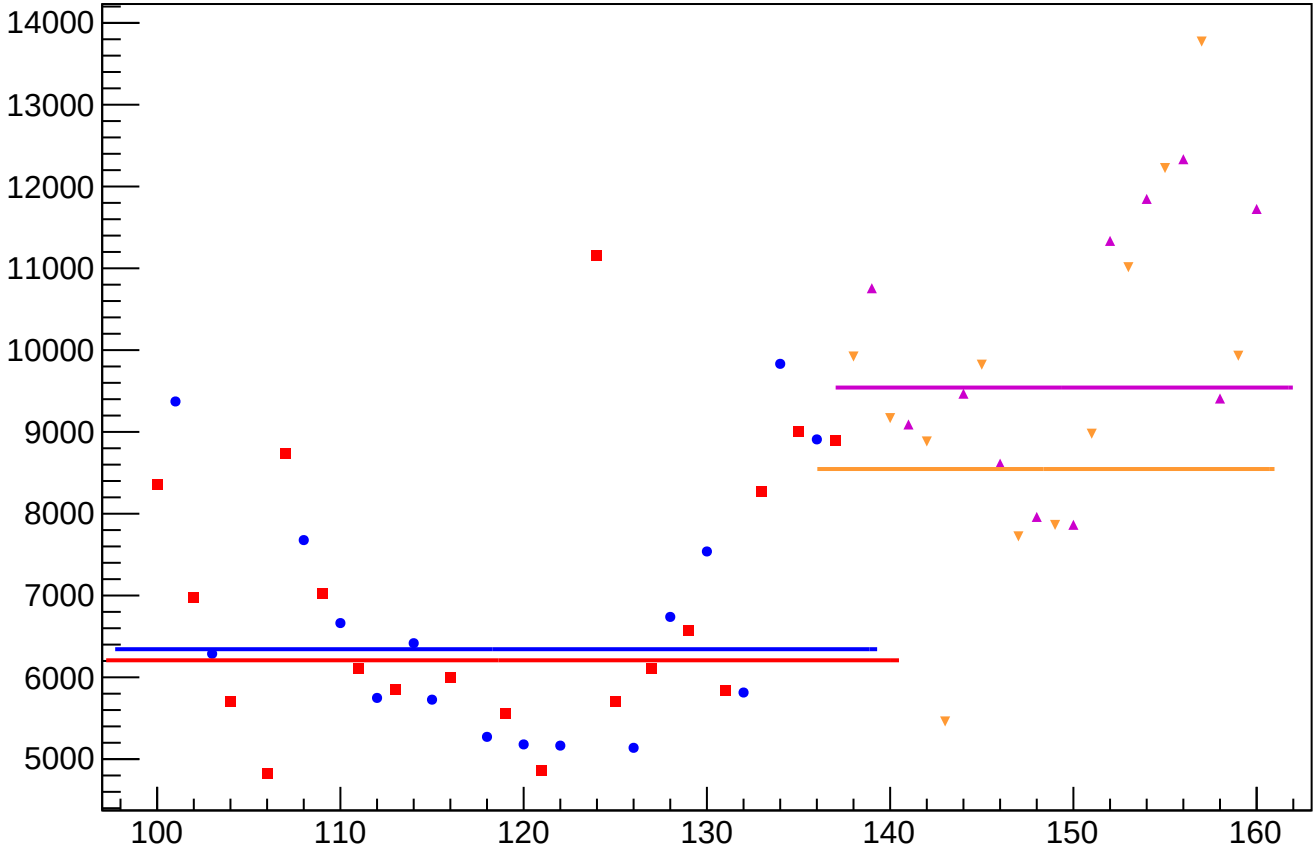
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1953.212+/-1915.197 χ^2/NDF:20.0/26

Out: 1847.594+/-1810.434 χ^2/NDF:33.3/30

All: 1897.435+/-1315.648 χ^2/NDF: 53.3/57

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: 9542.310+/-2.214 χ^2/NDF:445381.5/10

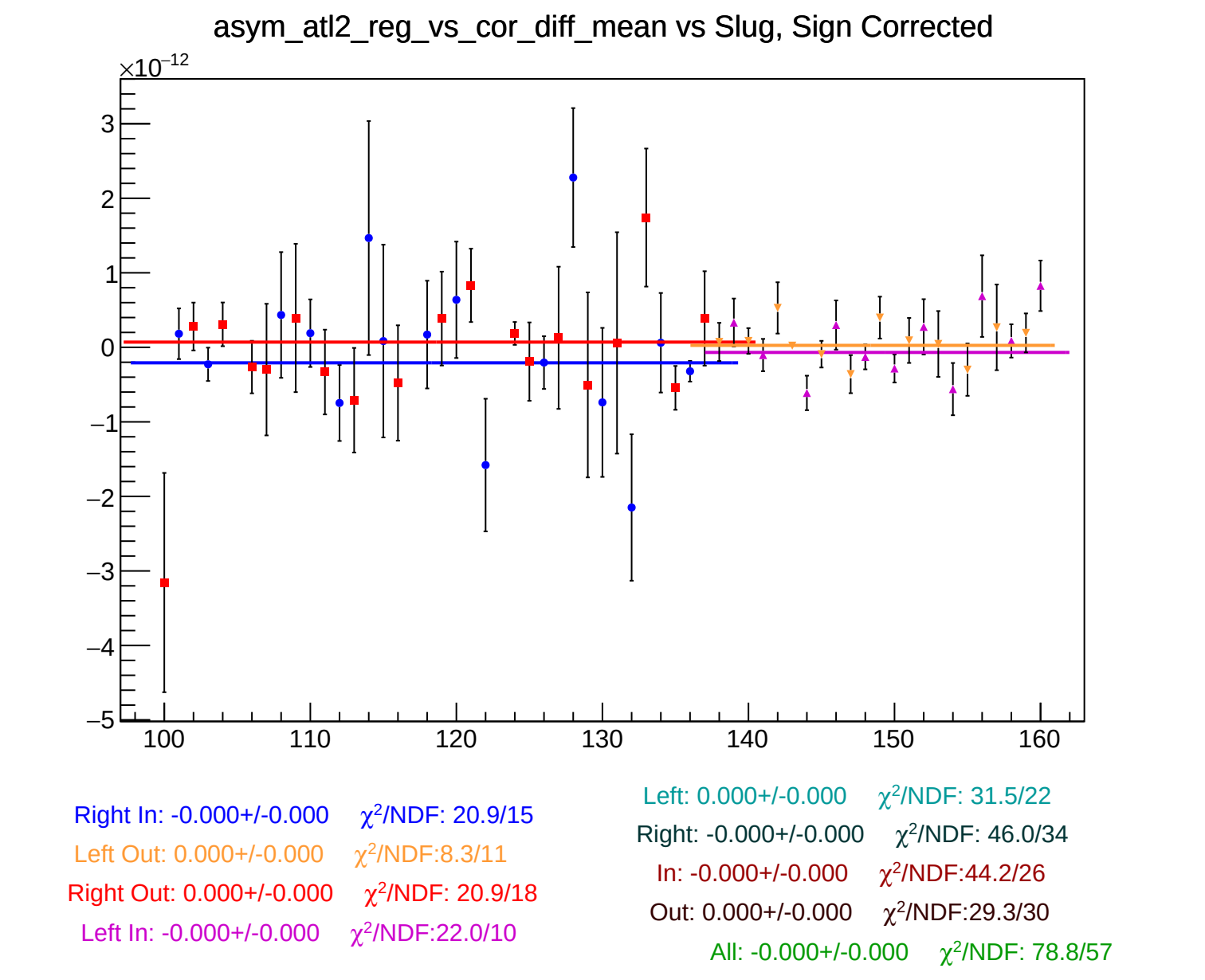
Left: 9000.228+/-1.495 χ^2/NDF: 1675580.9/22

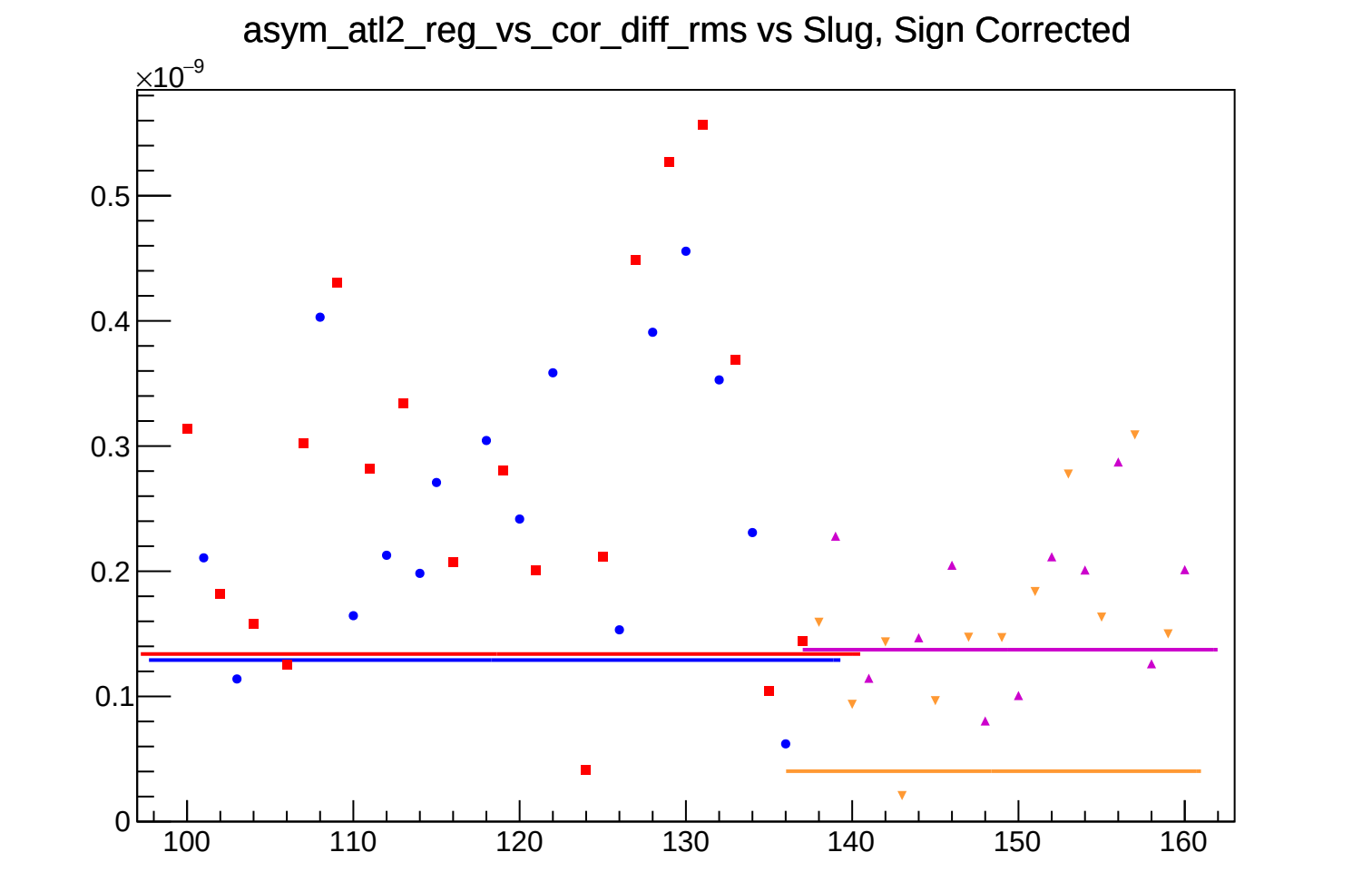
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7540.209+/-1.354 χ^2/NDF:2372705.3/26

Out: 7141.781+/-1.280 χ^2/NDF:2392209.9/30

All: 7329.800+/-0.930 χ^2/NDF: 4810625.7/57


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:22.0/10
Left: 0.000+/-0.000 χ²/NDF: 31.5/22
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:44.2/26
Out: 0.000+/-0.000 χ²/NDF:29.3/30
All: -0.000+/-0.000 χ²/NDF: 78.8/57



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:948065.8/10

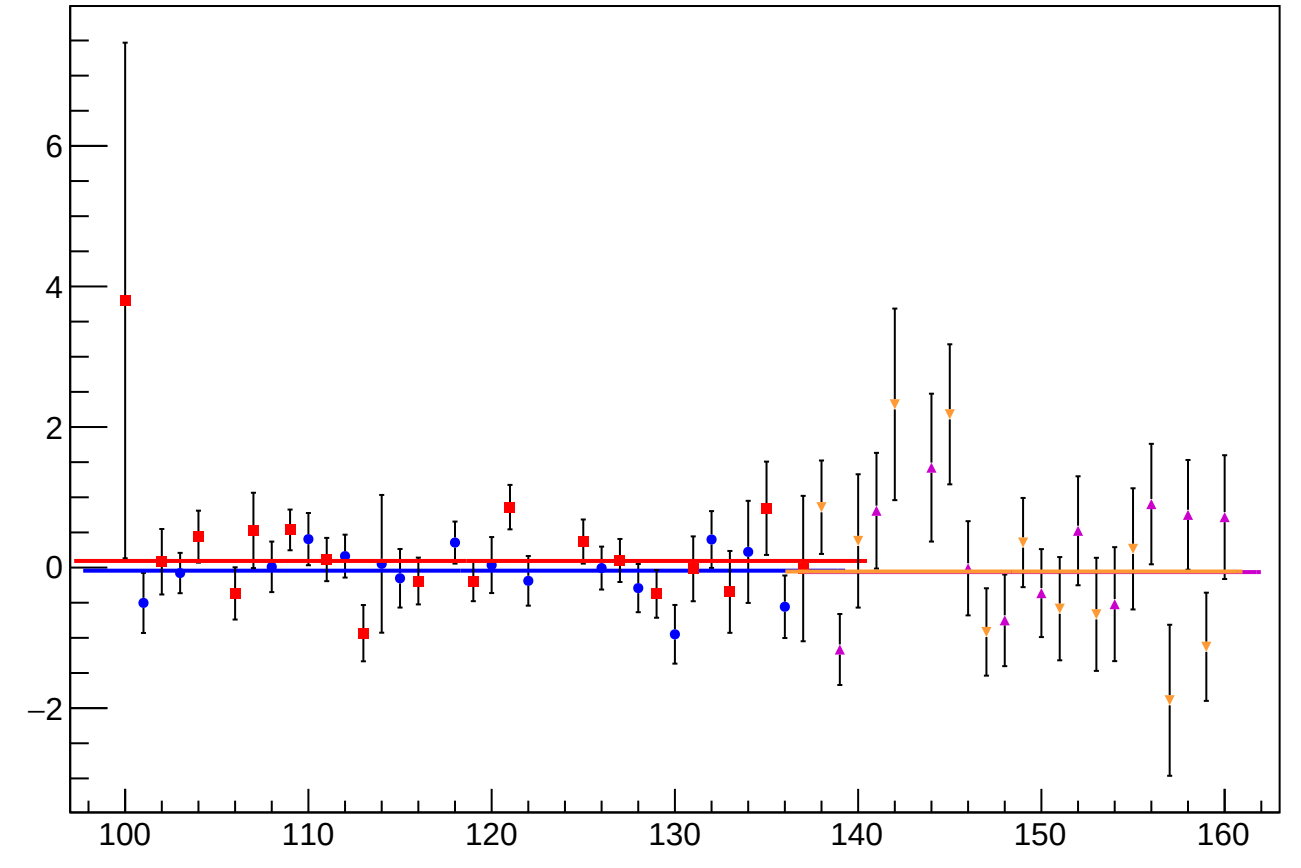
Left: 0.000+/-0.000 χ^2/NDF: 7975396.8/22

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2677589.3/26

Out: 0.000+/-0.000 χ^2/NDF:8325601.7/30

All: 0.000+/-0.000 χ^2/NDF: 14143153.9/57



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: -0.064+/-0.219 χ^2/NDF:13.3/10

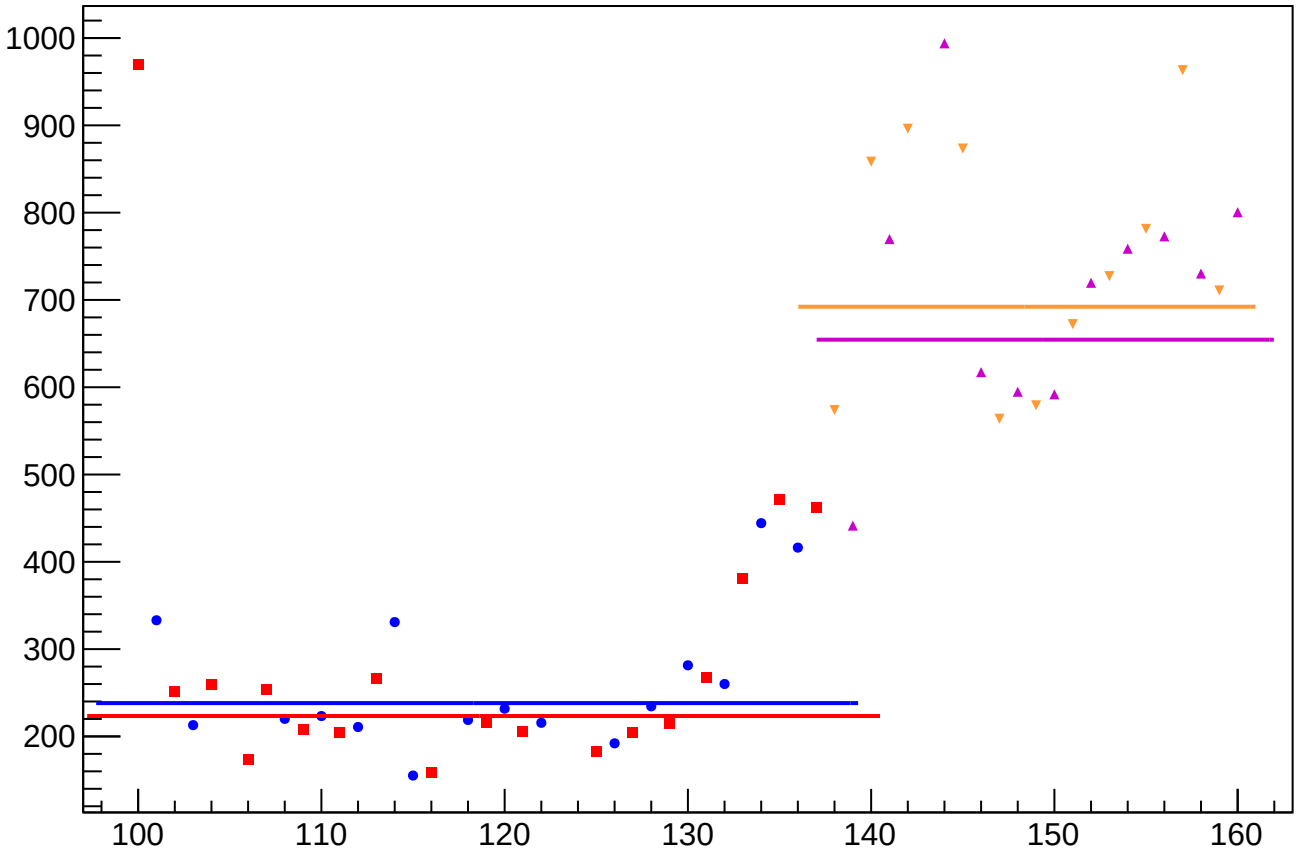
Left: -0.060+/-0.162 χ^2/NDF: 31.9/21

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.016+/-0.060 χ^2/NDF: 71.6/55



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: 654.456+/-0.155 χ^2/NDF:805318.2/10

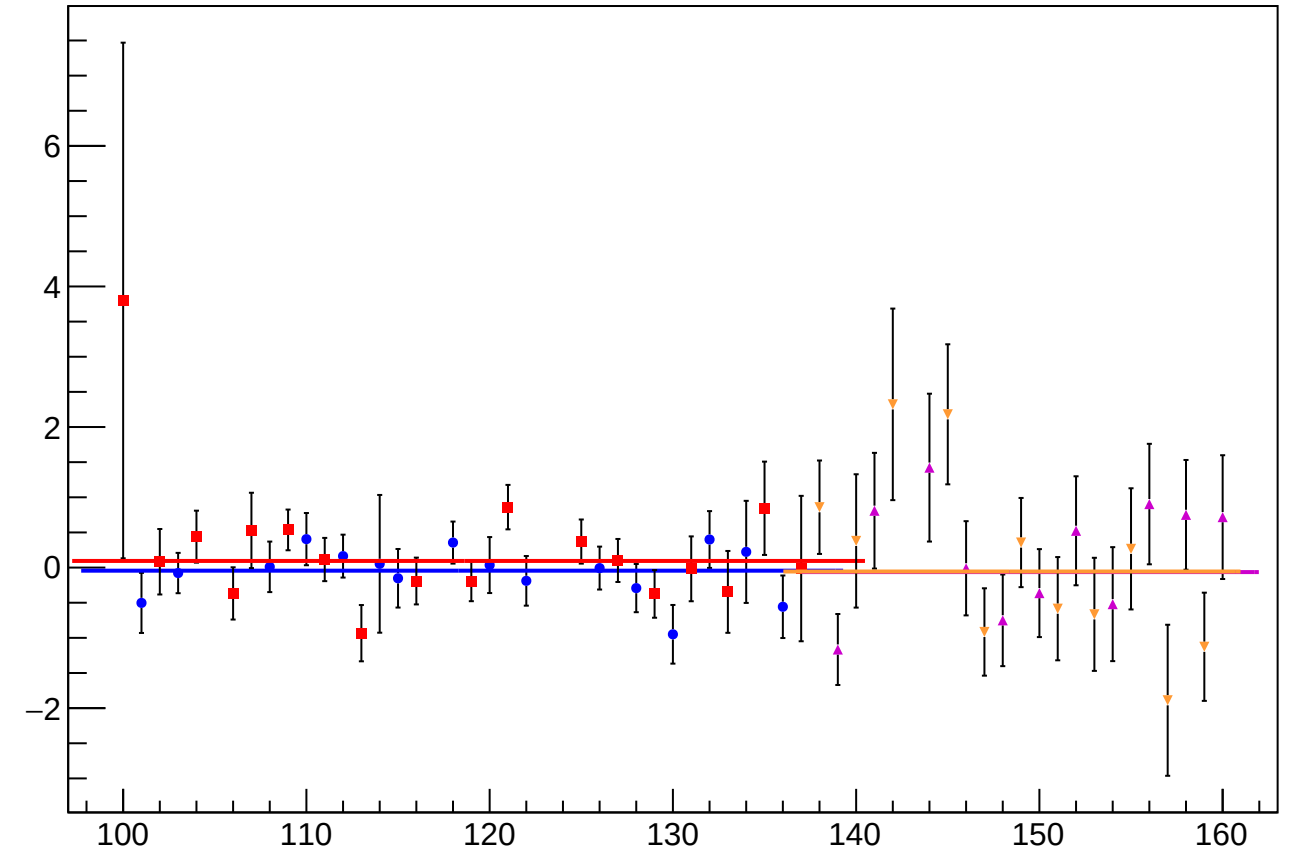
Left: 671.540+/-0.114 χ^2/NDF: 1371550.7/21

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 302.841+/-0.061 χ^2/NDF:7732838.7/26

Out: 281.015+/-0.060 χ^2/NDF:8067240.7/28

All: 291.687+/-0.043 χ^2/NDF: 15865599.4/55



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: -0.064+/-0.219 χ^2/NDF:13.3/10

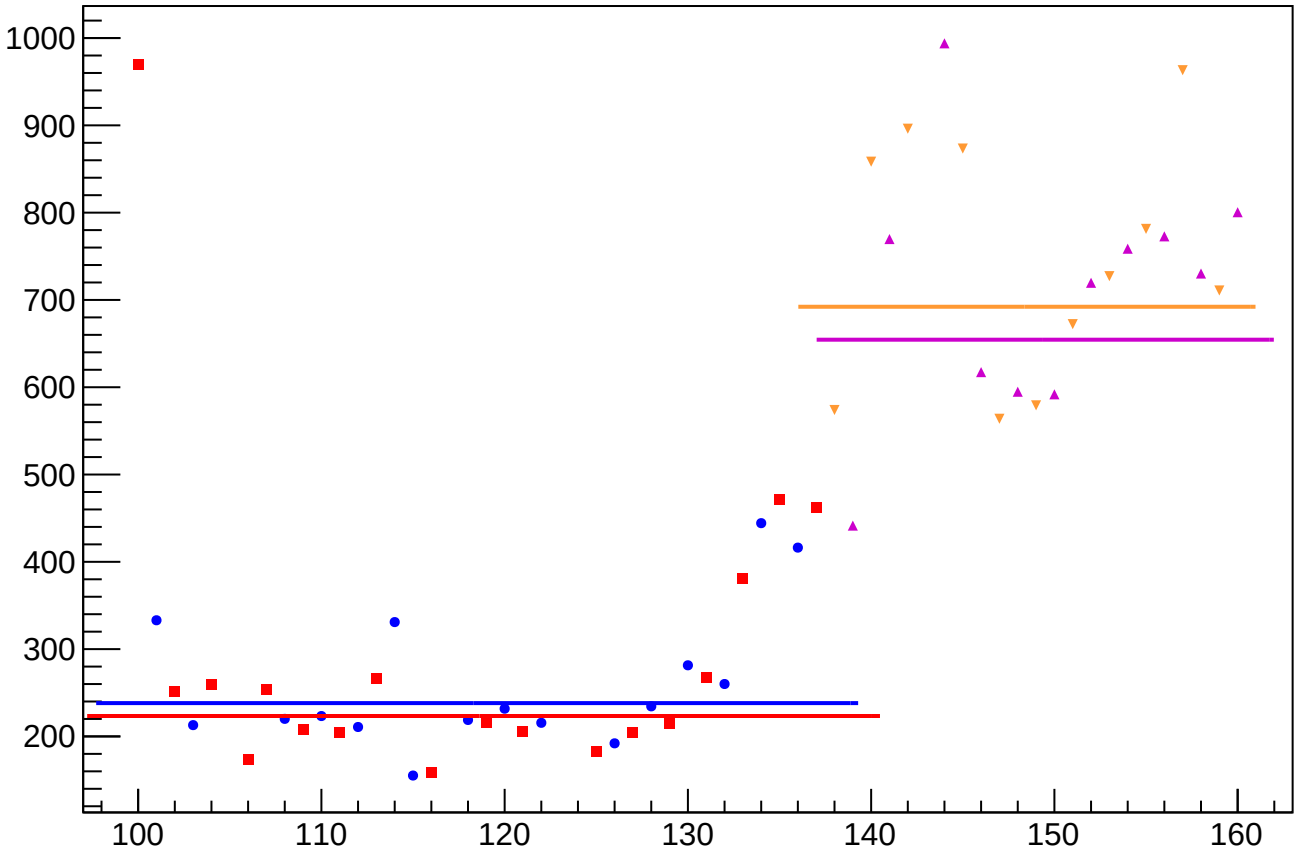
Left: -0.060+/-0.162 χ^2/NDF: 31.9/21

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.016+/-0.060 χ^2/NDF: 71.6/55



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: 654.456+/-0.155 χ^2/NDF:805318.2/10

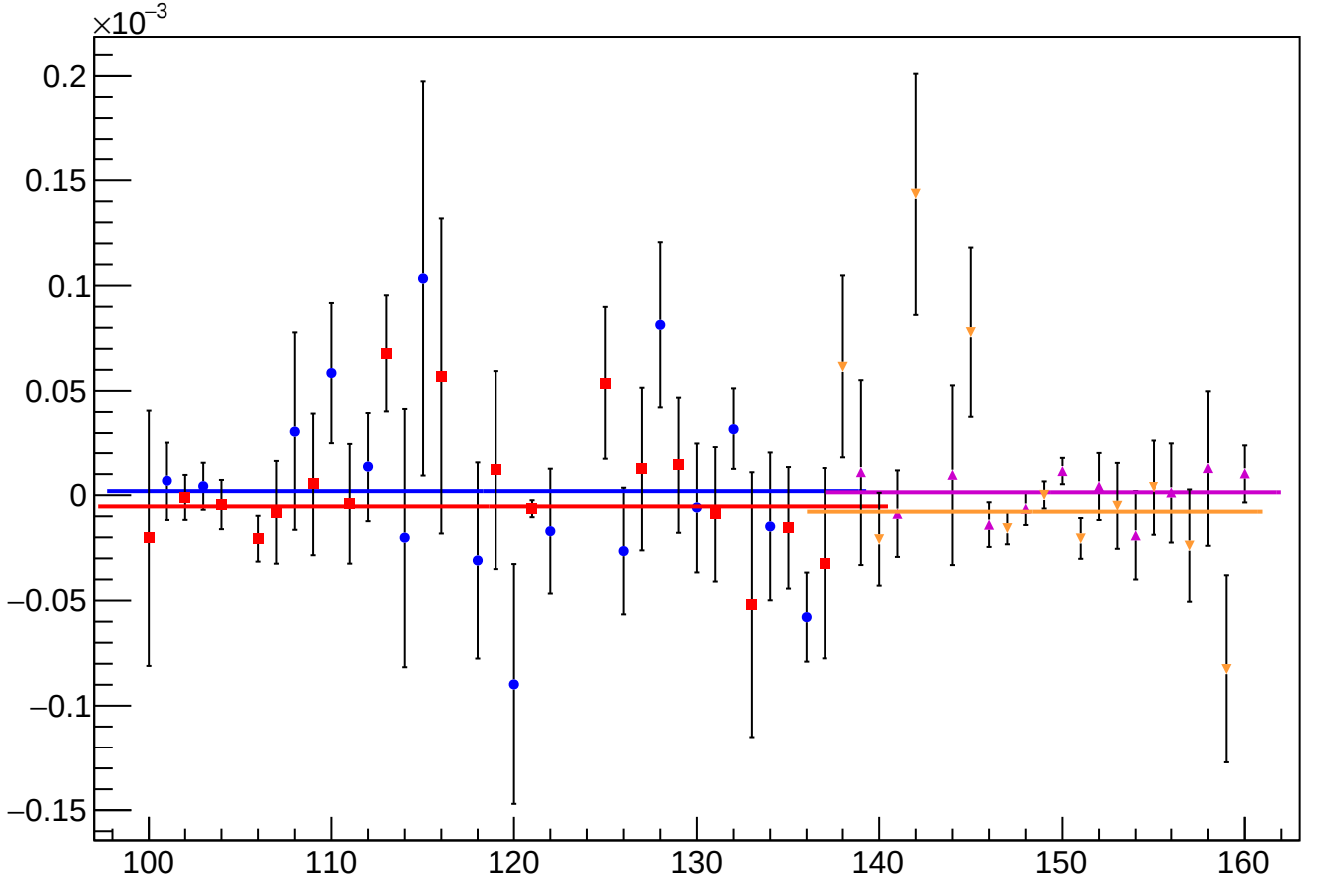
Left: 671.540+/-0.114 χ^2/NDF: 1371550.7/21

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 302.841+/-0.061 χ^2/NDF:7732838.7/26

Out: 281.015+/-0.060 χ^2/NDF:8067240.7/28

All: 291.687+/-0.043 χ^2/NDF: 15865599.4/55



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:7.5/10

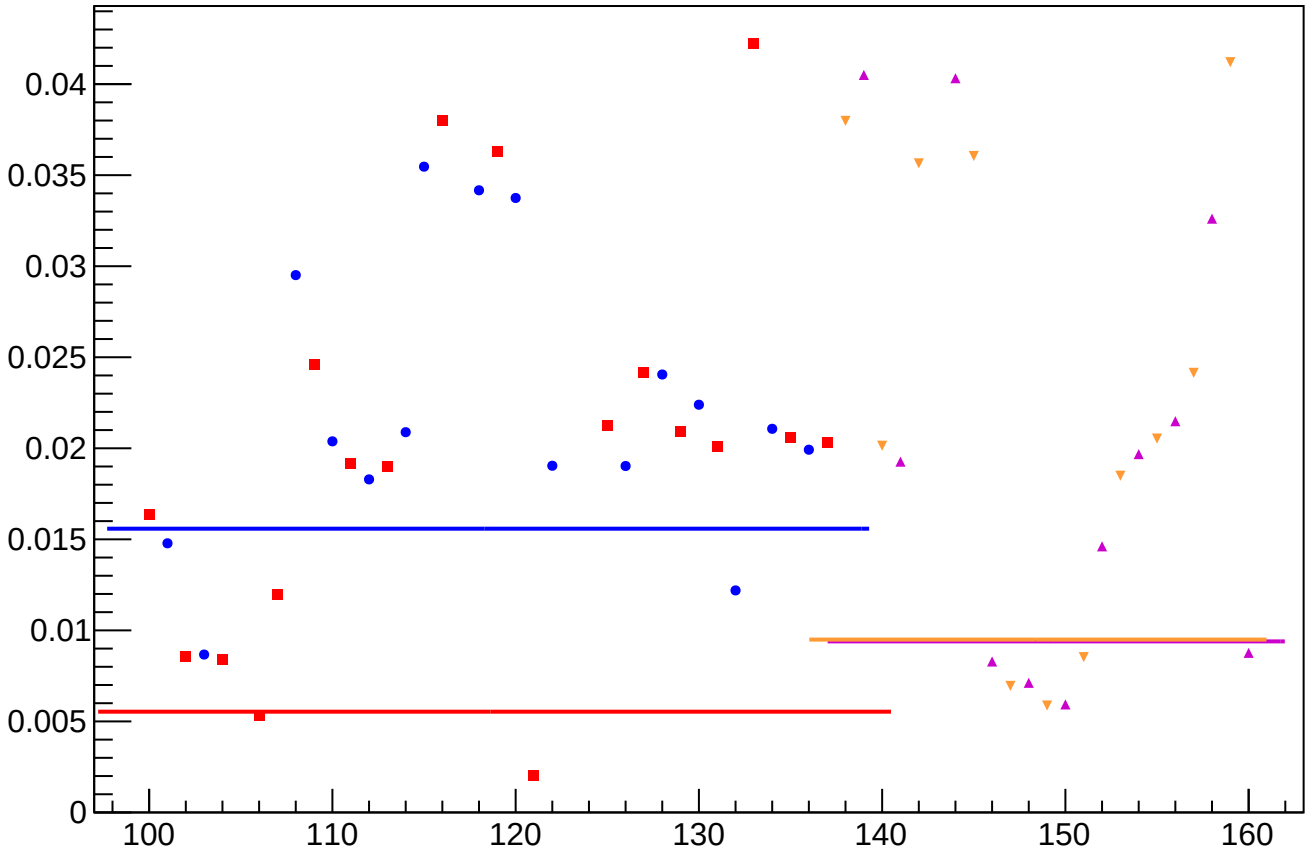
Left: -0.000+/-0.000 χ^2/NDF: 32.3/21

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.5/26

Out: -0.000+/-0.000 χ^2/NDF:36.9/28

All: -0.000+/-0.000 χ^2/NDF: 72.0/55



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:5306331.3/10

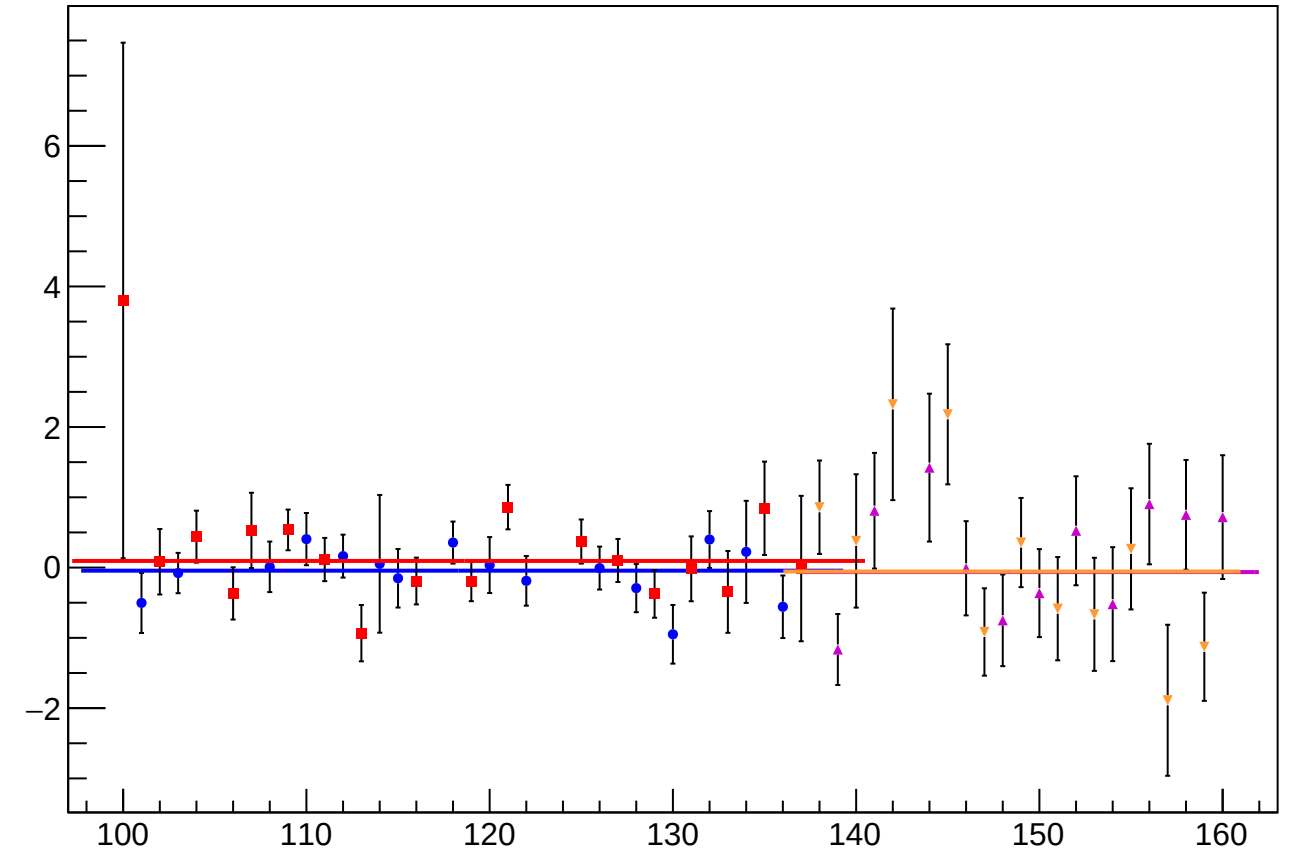
Left: 0.009+/-0.000 χ^2/NDF: 11285002.0/21

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:8766248.0/26

Out: 0.007+/-0.000 χ^2/NDF:15119241.2/28

All: 0.009+/-0.000 χ^2/NDF: 25733178.7/55



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: -0.064+/-0.219 χ^2/NDF:13.3/10

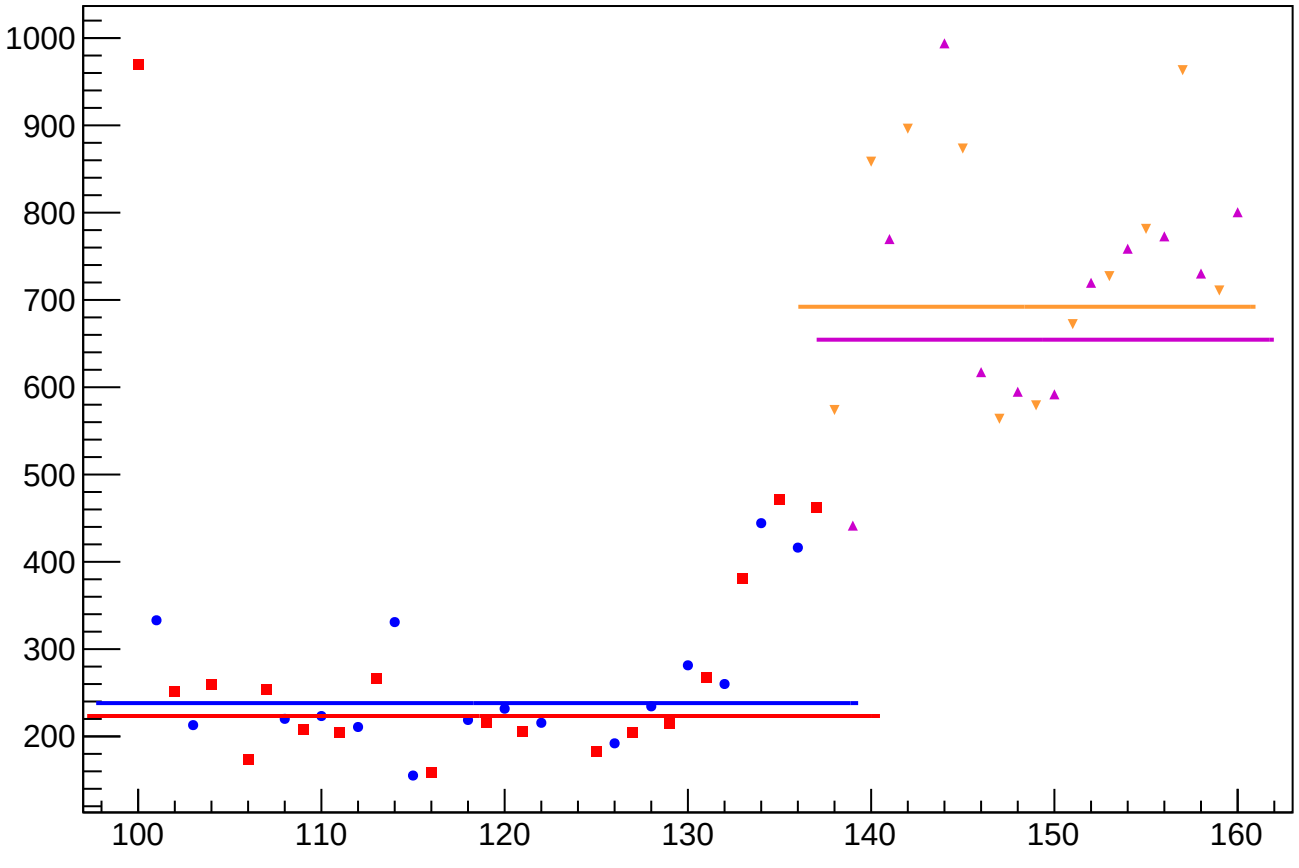
Left: -0.060+/-0.162 χ^2/NDF: 31.9/21

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

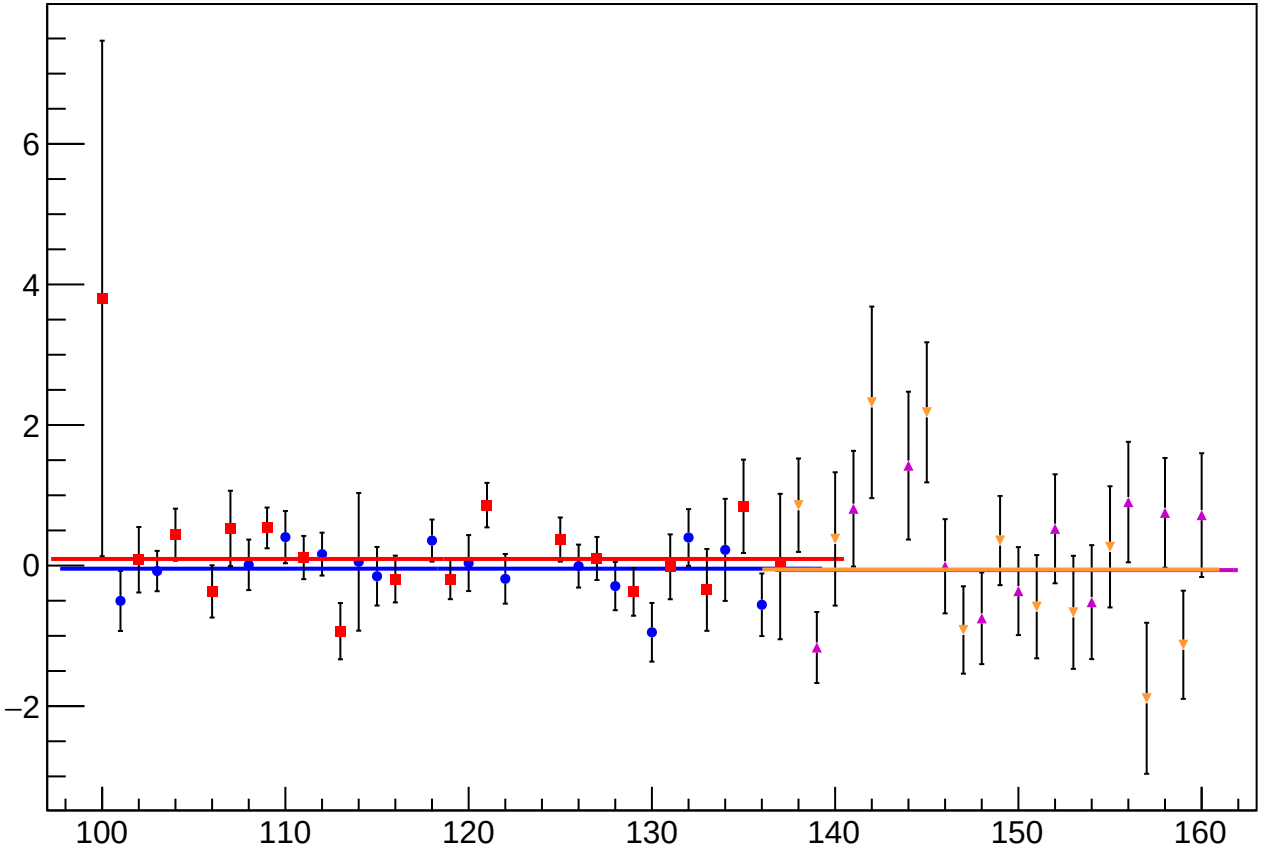
In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.016+/-0.060 χ^2/NDF: 71.6/55


asym_atl2_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: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 692.205+/-0.170 χ²/NDF:539322.2/10
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 654.466+/-0.155 χ²/NDF:805306.6/10
Left: 671.548+/-0.114 χ²/NDF: 1371583.0/21
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 302.841+/-0.061 χ²/NDF:7732901.3/26
Out: 281.016+/-0.060 χ²/NDF:8067246.5/28
All: 291.688+/-0.043 χ²/NDF: 15865662.8/55

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: -0.064+/-0.219 χ^2/NDF:13.3/10

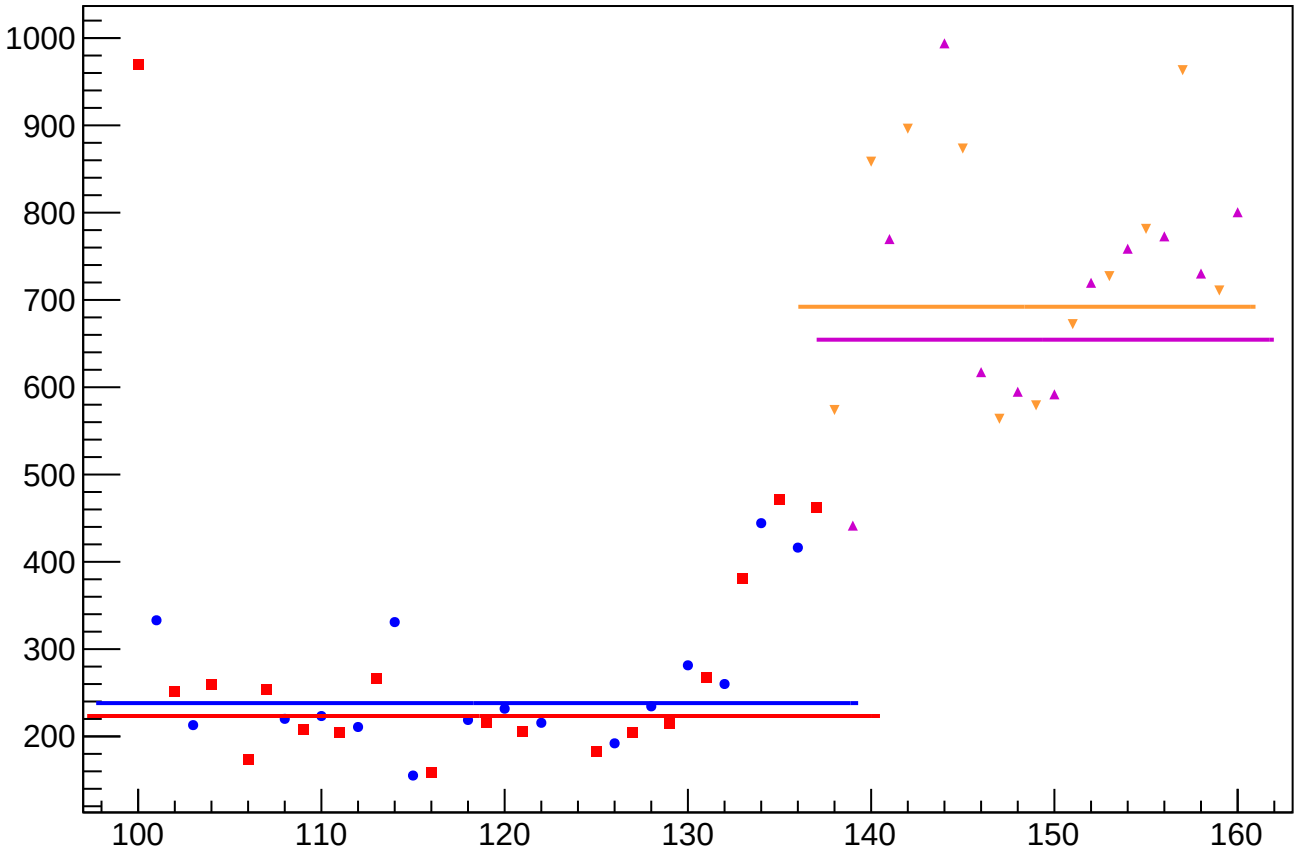
Left: -0.060+/-0.162 χ^2/NDF: 31.9/21

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.076+/-0.084 χ^2/NDF:44.2/28

All: 0.016+/-0.060 χ^2/NDF: 71.6/55



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: 654.466+/-0.155 χ^2/NDF:805306.6/10

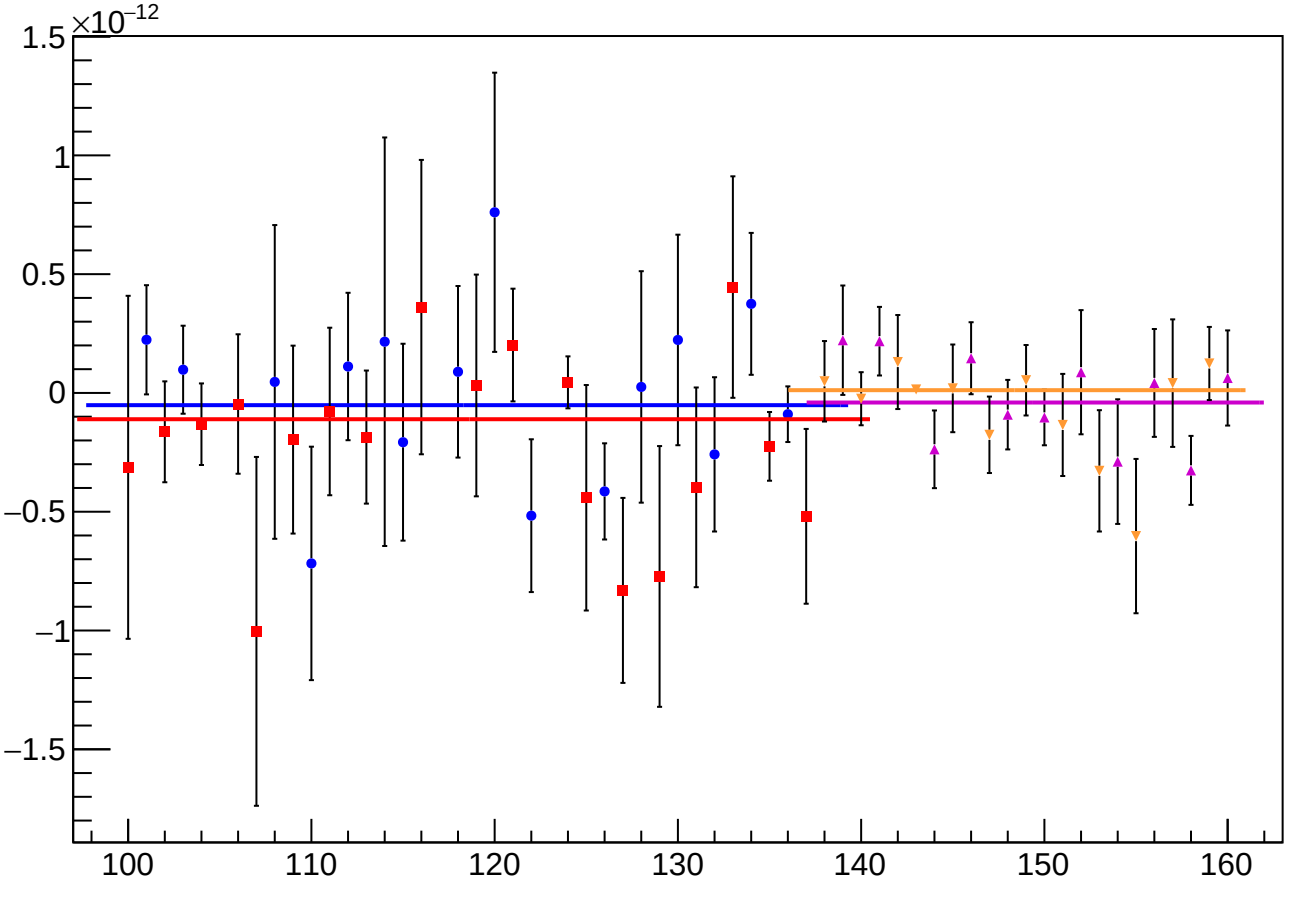
Left: 671.548+/-0.114 χ^2/NDF: 1371583.0/21

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 302.841+/-0.061 χ^2/NDF:7732901.3/26

Out: 281.016+/-0.060 χ^2/NDF:8067246.5/28

All: 291.688+/-0.043 χ^2/NDF: 15865662.8/55



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:13.3/10

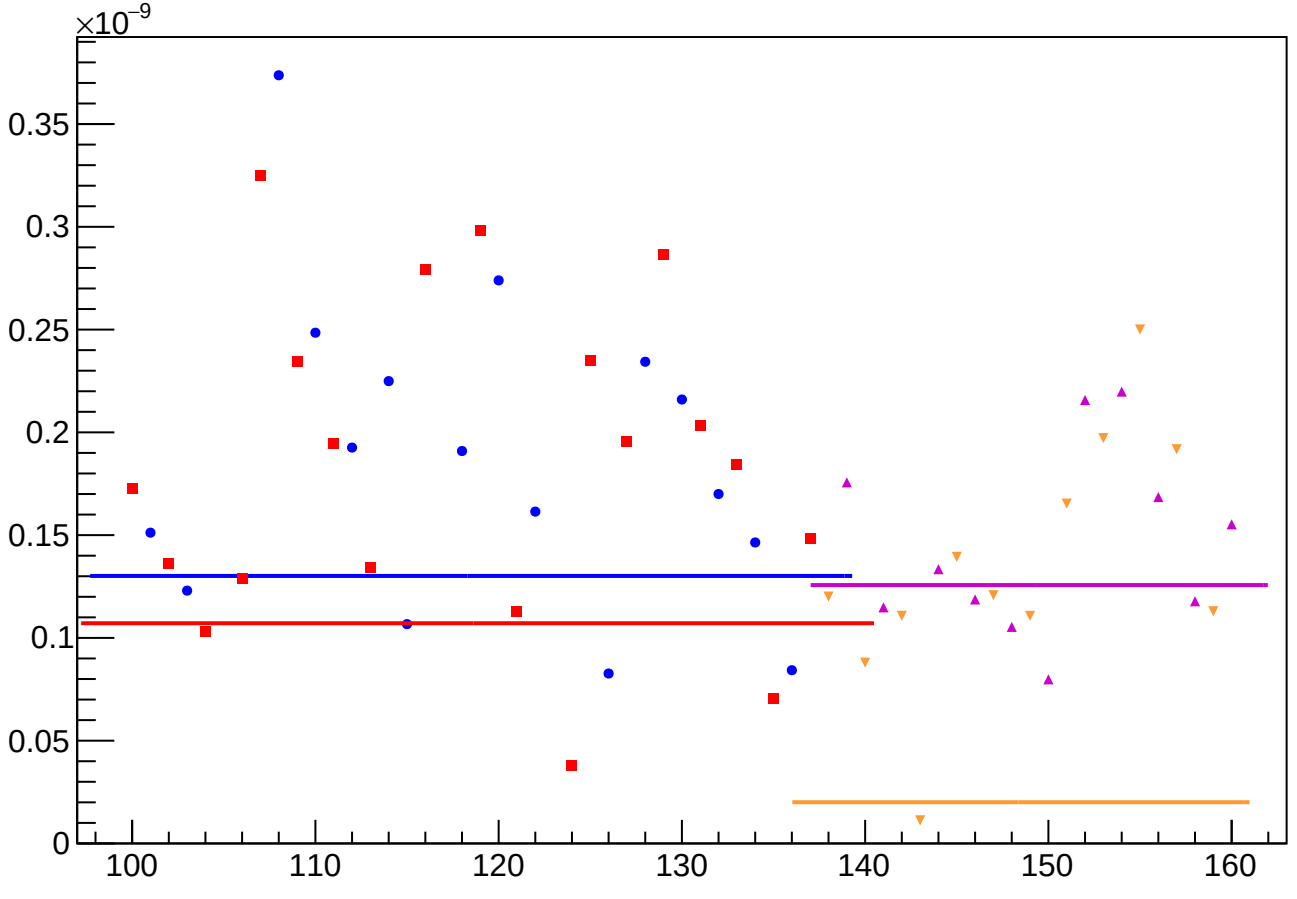
Left: 0.000+/-0.000 χ^2/NDF: 22.6/22

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:28.1/26

Out: 0.000+/-0.000 χ^2/NDF:27.7/30

All: -0.000+/-0.000 χ^2/NDF: 57.1/57



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:1074447.2/10

Left: 0.000+/-0.000 χ^2/NDF: 18365337.2/22

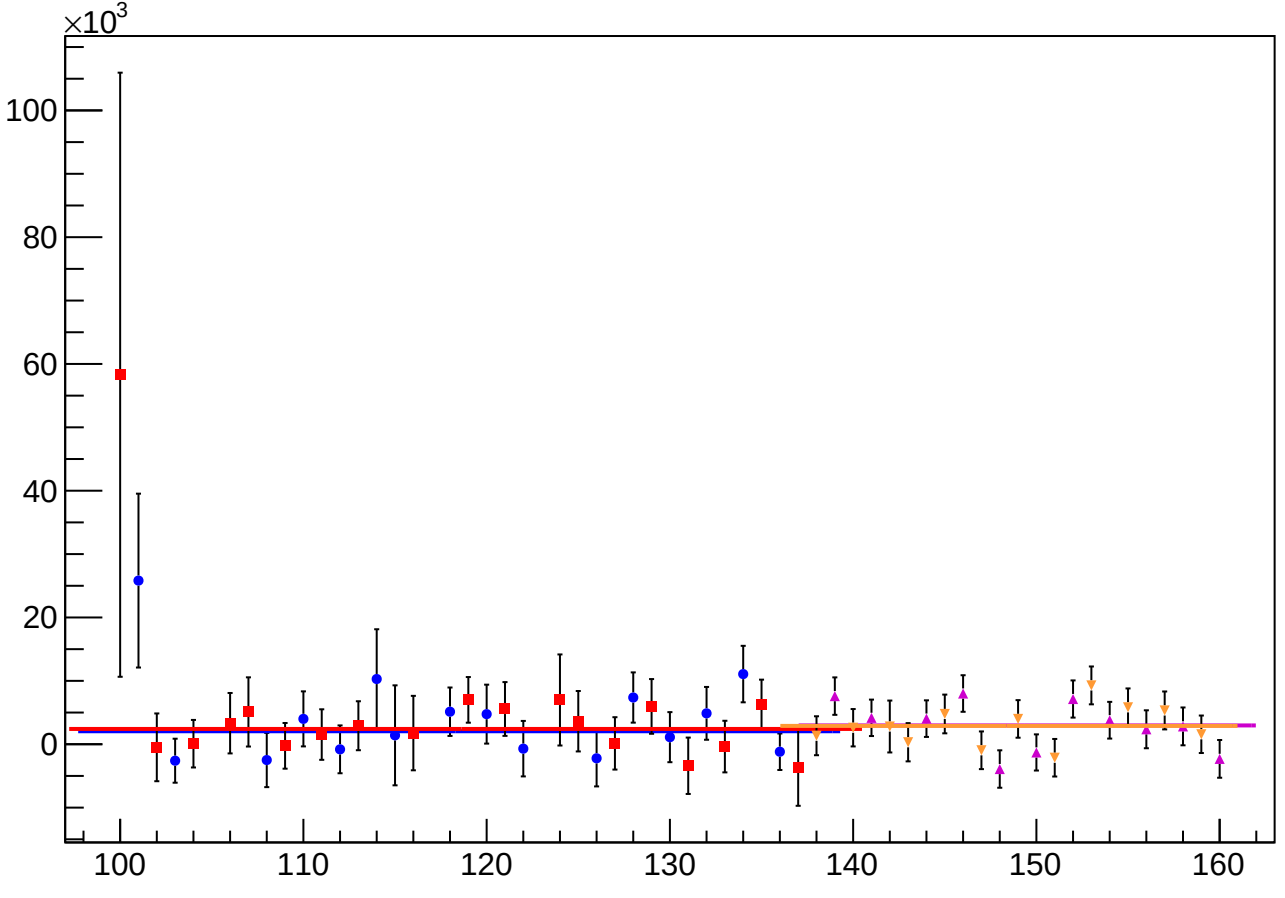
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2414253.2/26

Out: 0.000+/-0.000 χ^2/NDF:16056157.2/30

All: 0.000+/-0.000 χ^2/NDF: 29730540.3/57

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: 2967.006+/-882.018 χ^2/NDF:18.8/10

Left: 2929.991+/-623.235 χ^2/NDF: 31.2/22

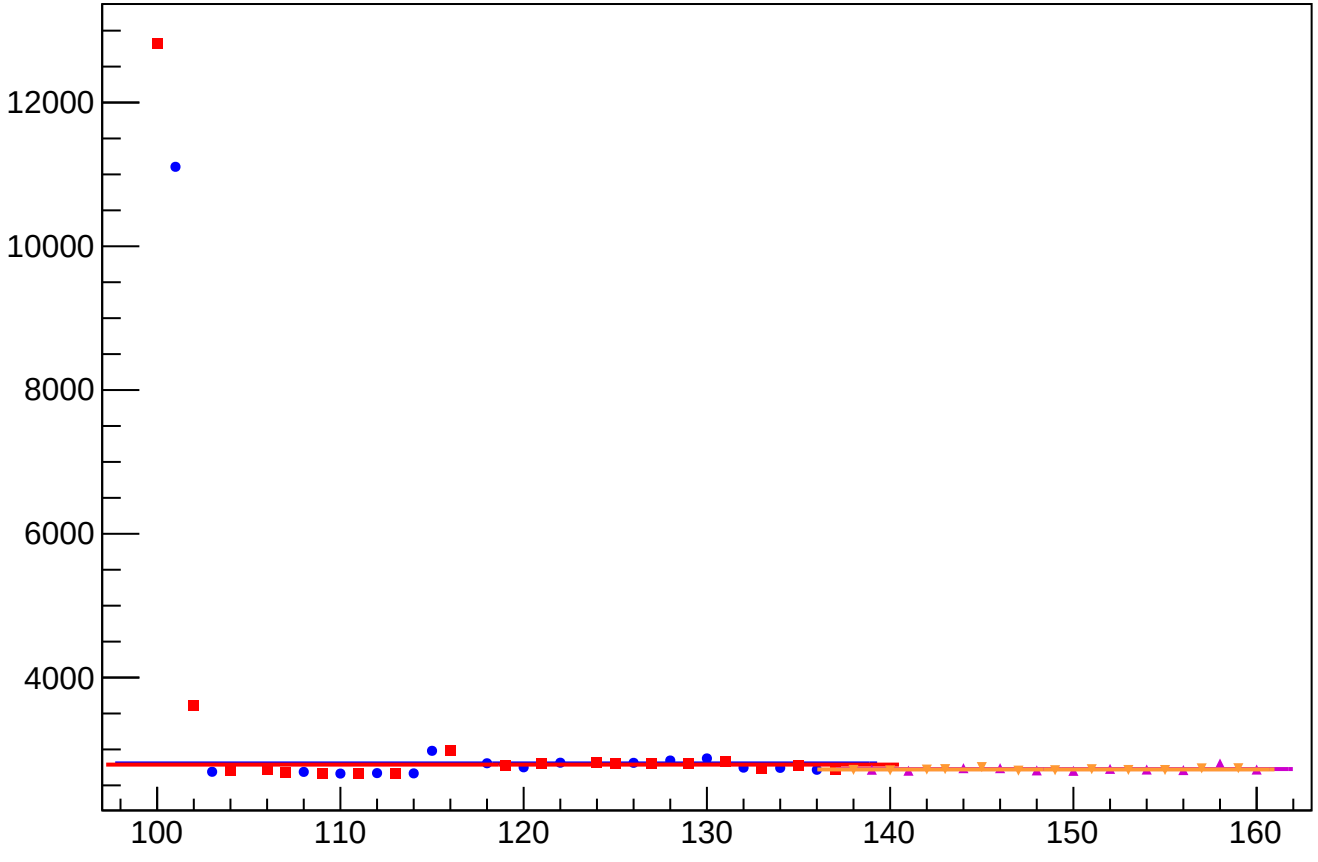
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2595.959+/-680.695 χ^2/NDF:37.0/26

Out: 2691.071+/-670.890 χ^2/NDF:23.4/30

All: 2644.205+/-477.820 χ^2/NDF: 60.4/57

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: 2726.989+/-0.624 χ^2/NDF:1831.1/10

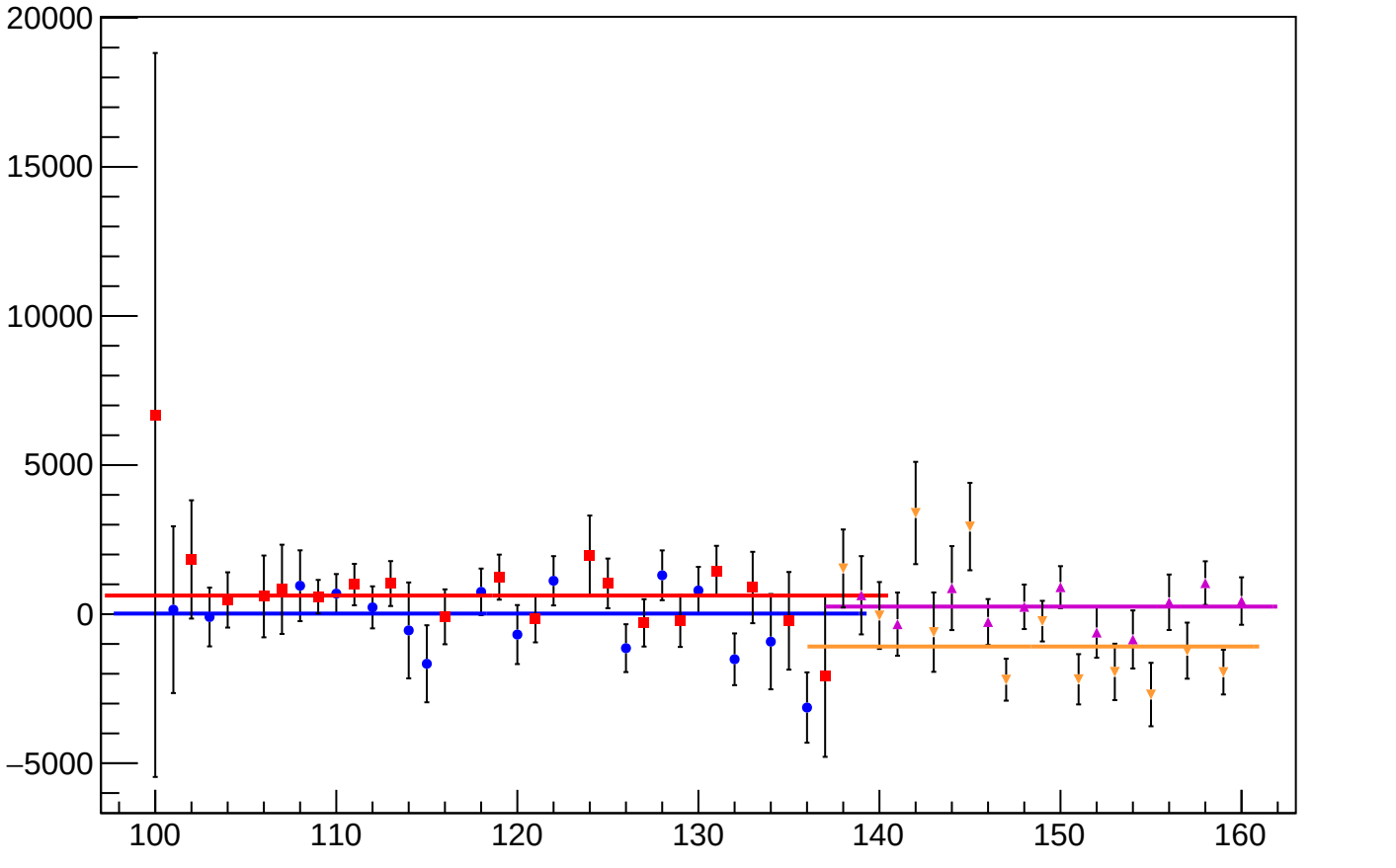
Left: 2724.368+/-0.441 χ^2/NDF: 2380.0/22

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2758.717+/-0.481 χ^2/NDF:754471.4/26

Out: 2749.908+/-0.474 χ^2/NDF:152379.9/30

All: 2754.249+/-0.338 χ^2/NDF: 907021.2/57



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: 253.074+/-262.218 χ^2/NDF:5.5/10

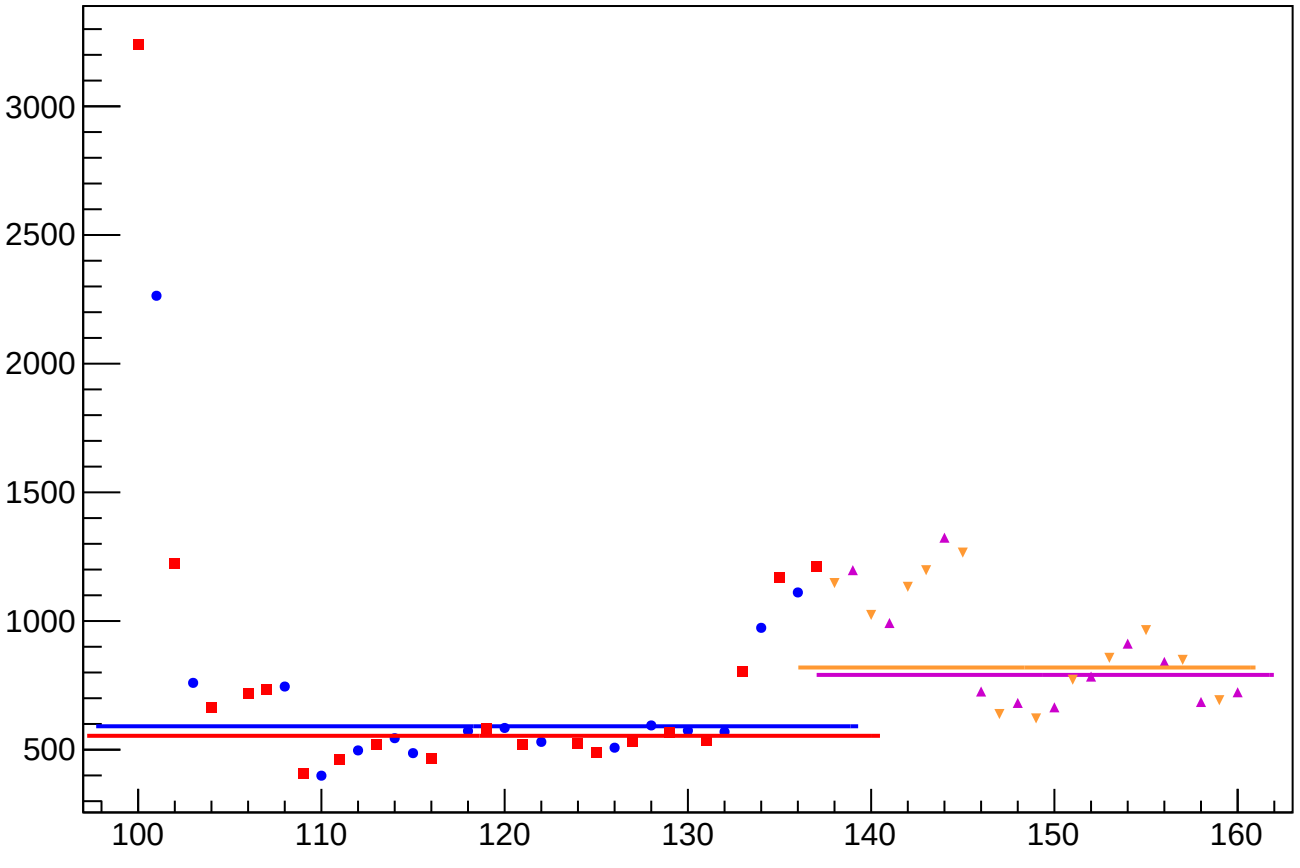
Left: -385.481+/-189.671 χ^2/NDF: 47.5/22

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 122.503+/-174.375 χ^2/NDF:28.7/26

Out: -29.803+/-169.767 χ^2/NDF:62.8/30

All: 44.311+/-121.640 χ^2/NDF: 91.8/57



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: 790.659+/-0.185 χ^2/NDF:765329.8/10

Left: 804.360+/-0.134 χ^2/NDF: 1789925.9/22

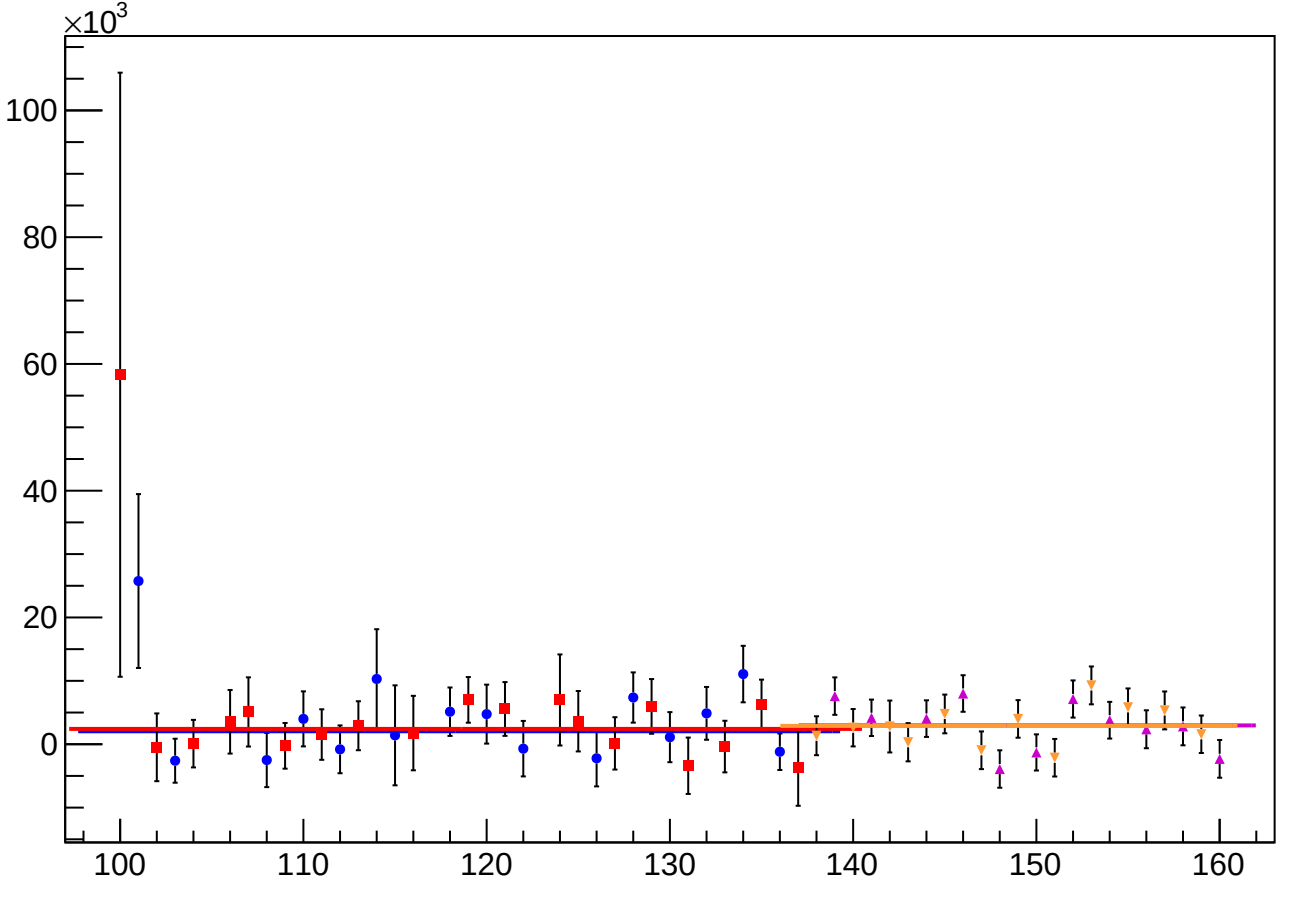
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 679.317+/-0.123 χ^2/NDF:2979485.9/26

Out: 655.362+/-0.120 χ^2/NDF:3284059.5/30

All: 667.019+/-0.086 χ^2/NDF: 6282923.4/57

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: 2967.032+/-882.018 χ^2/NDF:18.8/10

Left: 2930.030+/-623.235 χ^2/NDF: 31.2/22

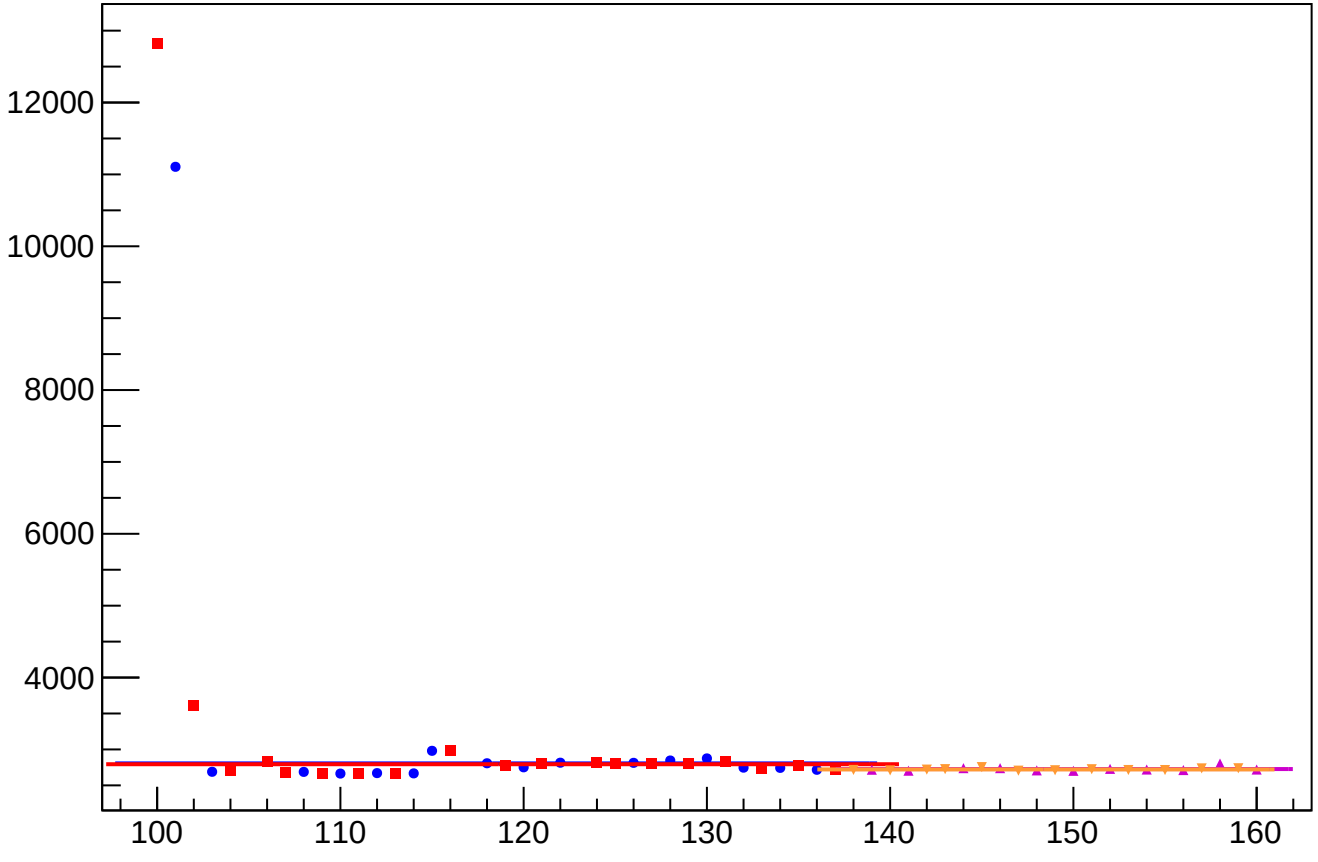
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2595.648+/-680.695 χ^2/NDF:37.0/26

Out: 2694.174+/-671.538 χ^2/NDF:23.4/30

All: 2645.578+/-478.054 χ^2/NDF: 60.3/57

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: 2726.989+/-0.624 χ^2/NDF:1831.1/10

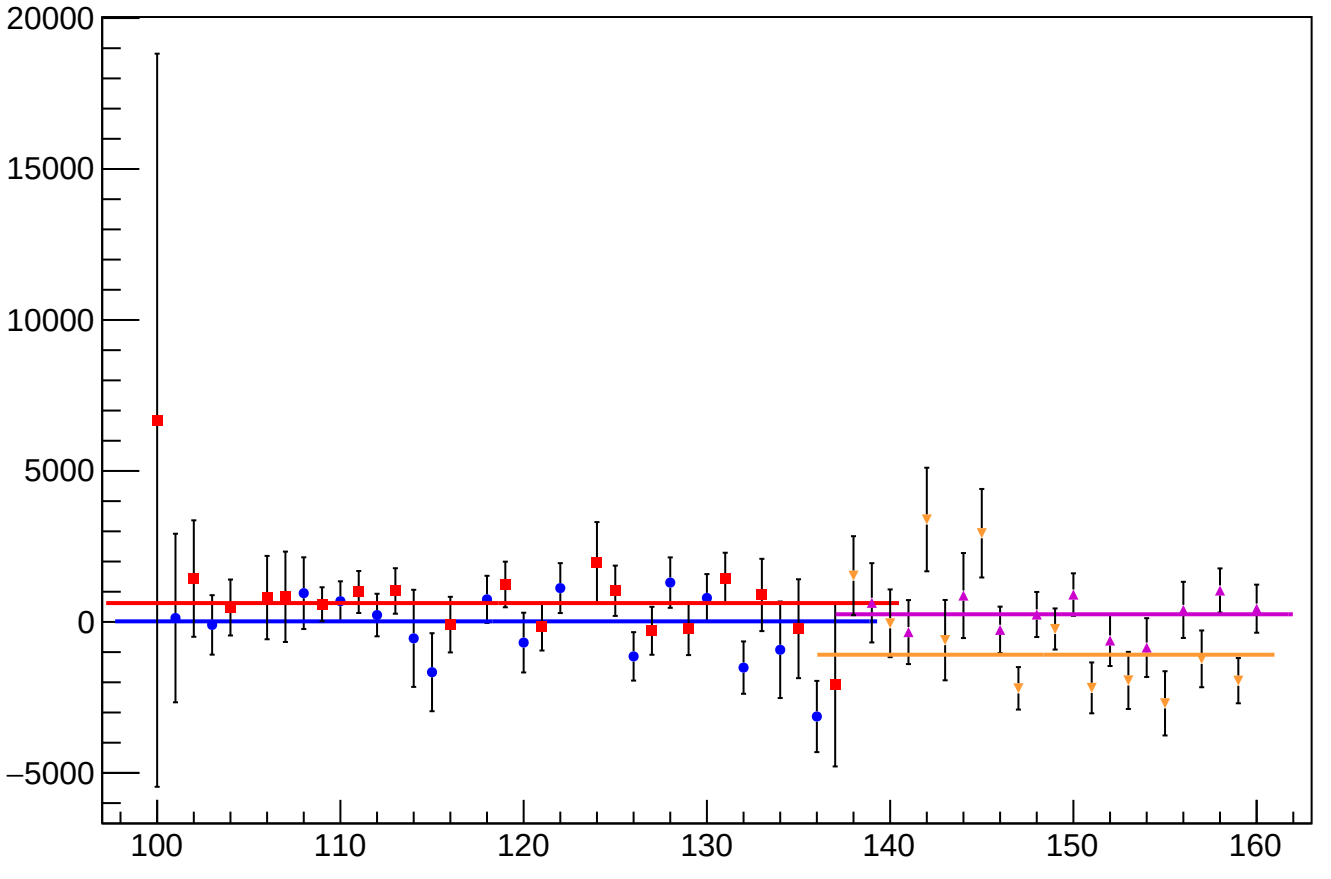
Left: 2724.368+/-0.441 χ^2/NDF: 2380.0/22

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2758.717+/-0.481 χ^2/NDF:754470.5/26

Out: 2752.067+/-0.475 χ^2/NDF:152916.3/30

All: 2755.347+/-0.338 χ^2/NDF: 907483.5/57



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: 253.111+/-262.218 χ^2/NDF:5.5/10

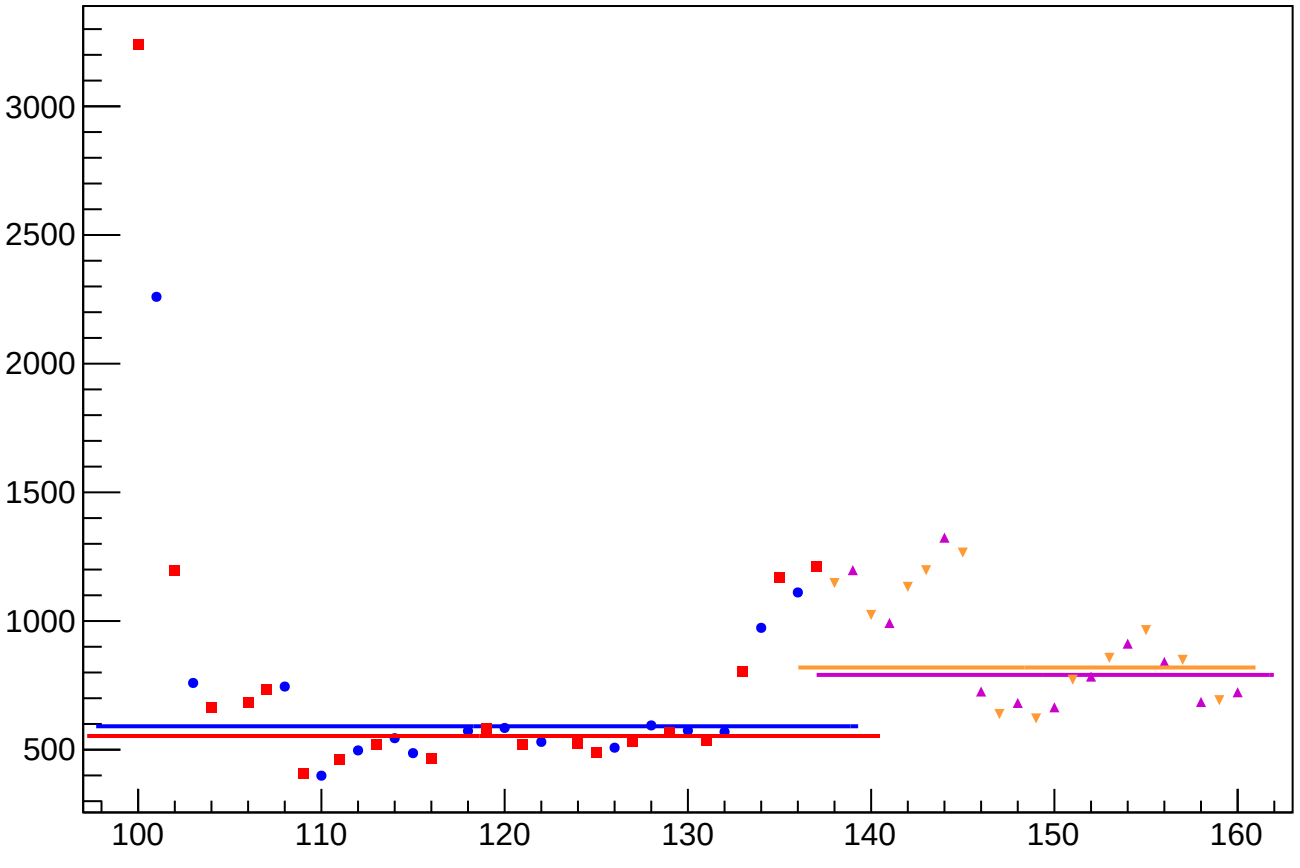
Left: -385.435+/-189.671 χ^2/NDF: 47.5/22

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 122.491+/-174.370 χ^2/NDF:28.7/26

Out: -28.923+/-169.744 χ^2/NDF:62.6/30

All: 44.749+/-121.630 χ^2/NDF: 91.7/57



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: 790.659+/-0.185 χ^2/NDF:765307.3/10

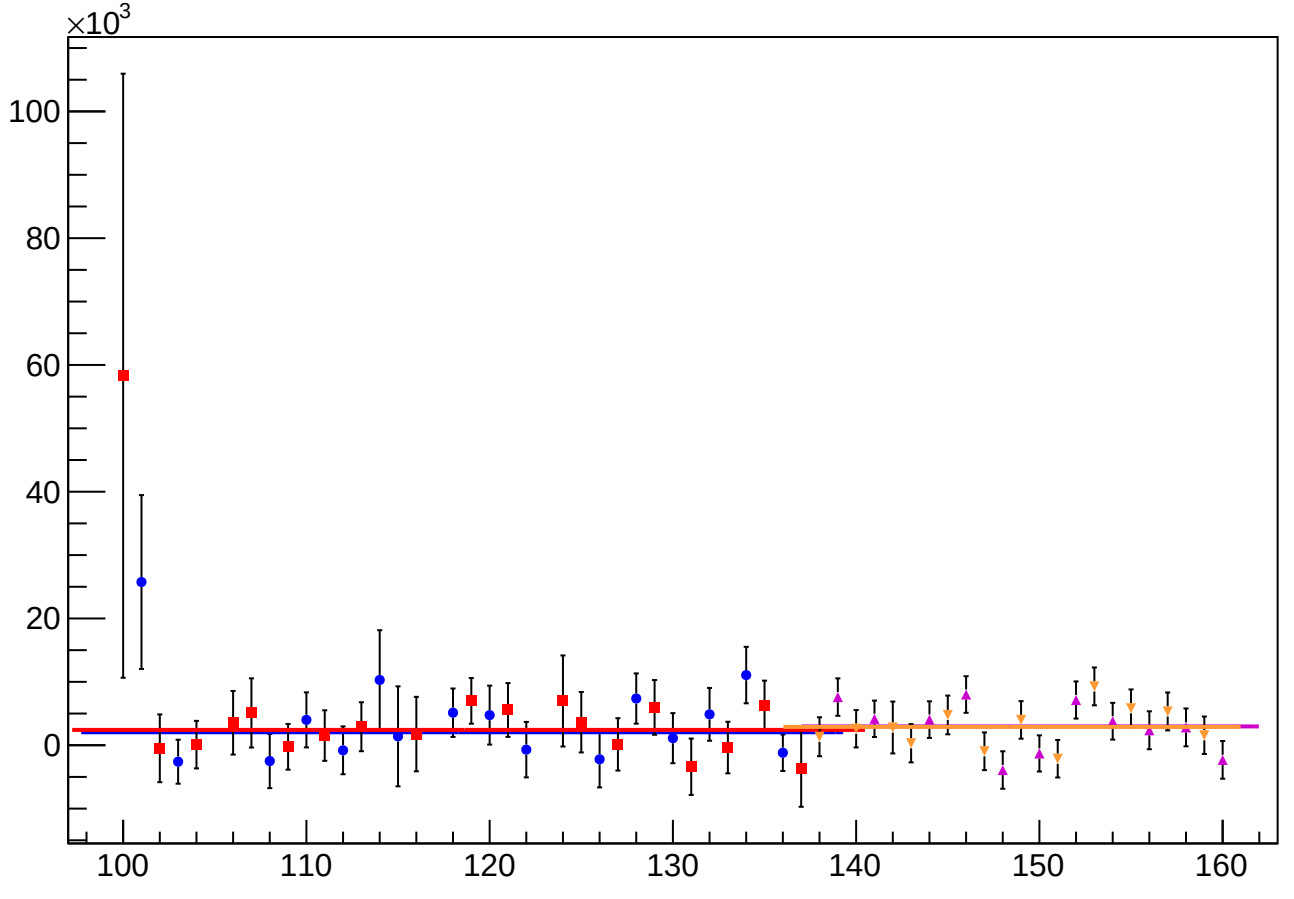
Left: 804.358+/-0.134 χ^2/NDF: 1789907.2/22

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 679.311+/-0.123 χ^2/NDF:2978470.6/26

Out: 654.871+/-0.120 χ^2/NDF:3275490.4/30

All: 666.763+/-0.086 χ^2/NDF: 6274134.2/57



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: 2967.032+/-882.018 χ^2/NDF:18.8/10

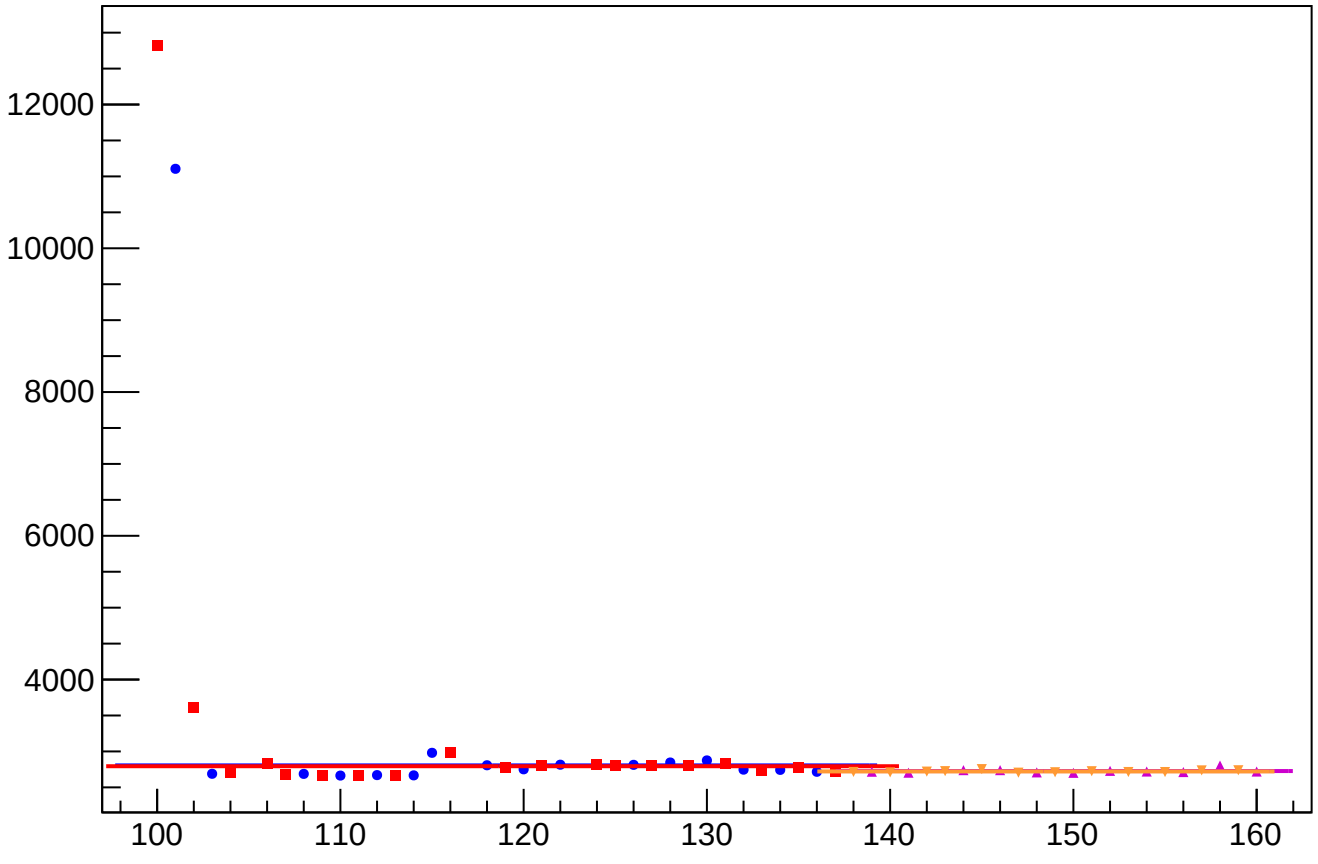
Left: 2930.030+/-623.235 χ^2/NDF: 31.2/22

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2595.648+/-680.695 χ^2/NDF:37.0/26

Out: 2694.174+/-671.538 χ^2/NDF:23.4/30

All: 2645.578+/-478.054 χ^2/NDF: 60.3/57



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: 2726.989+/-0.624 χ^2/NDF:1831.1/10

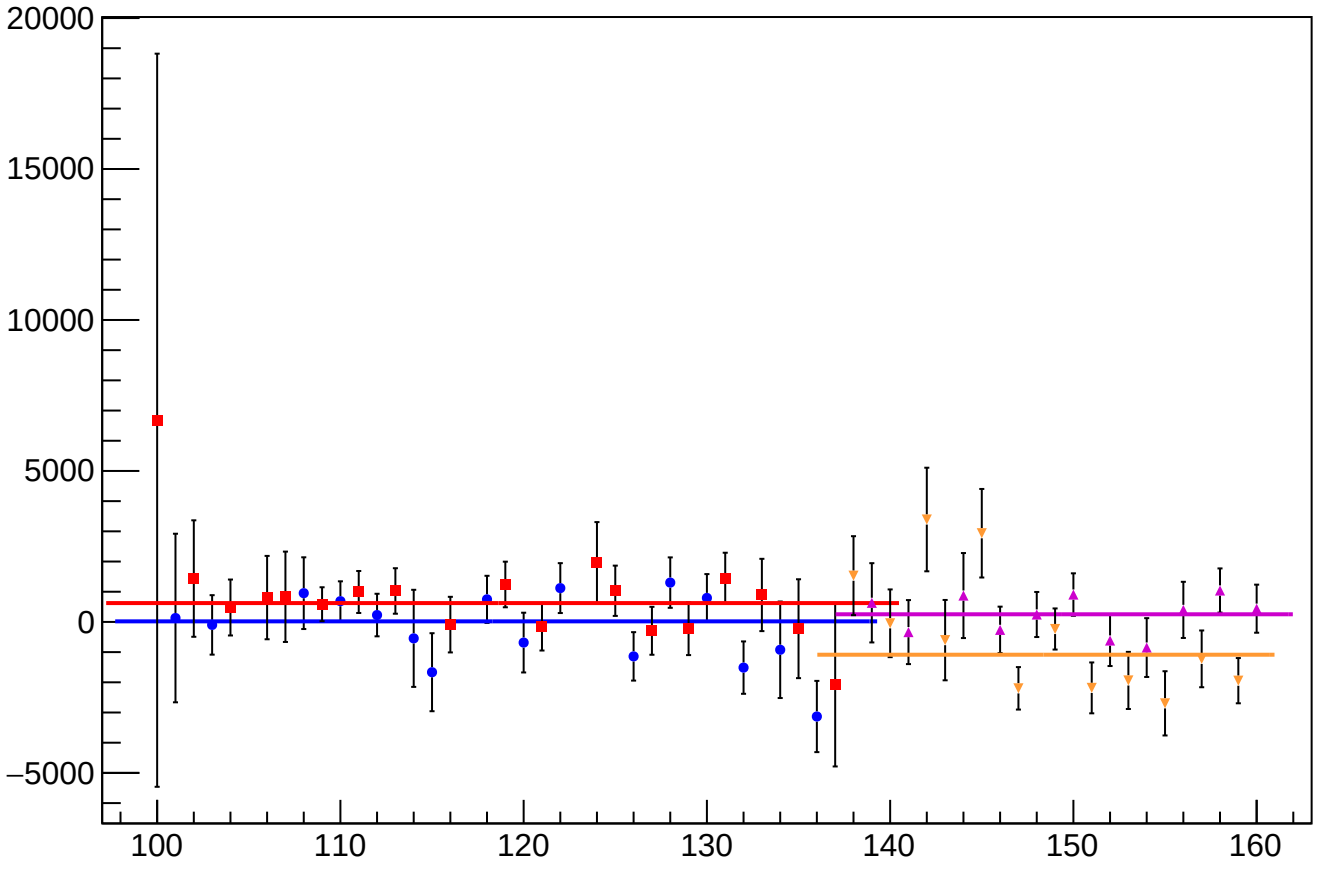
Left: 2724.368+/-0.441 χ^2/NDF: 2380.0/22

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2758.717+/-0.481 χ^2/NDF:754470.5/26

Out: 2752.067+/-0.475 χ^2/NDF:152916.3/30

All: 2755.347+/-0.338 χ^2/NDF: 907483.5/57



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: 253.111+/-262.218 χ^2/NDF:5.5/10

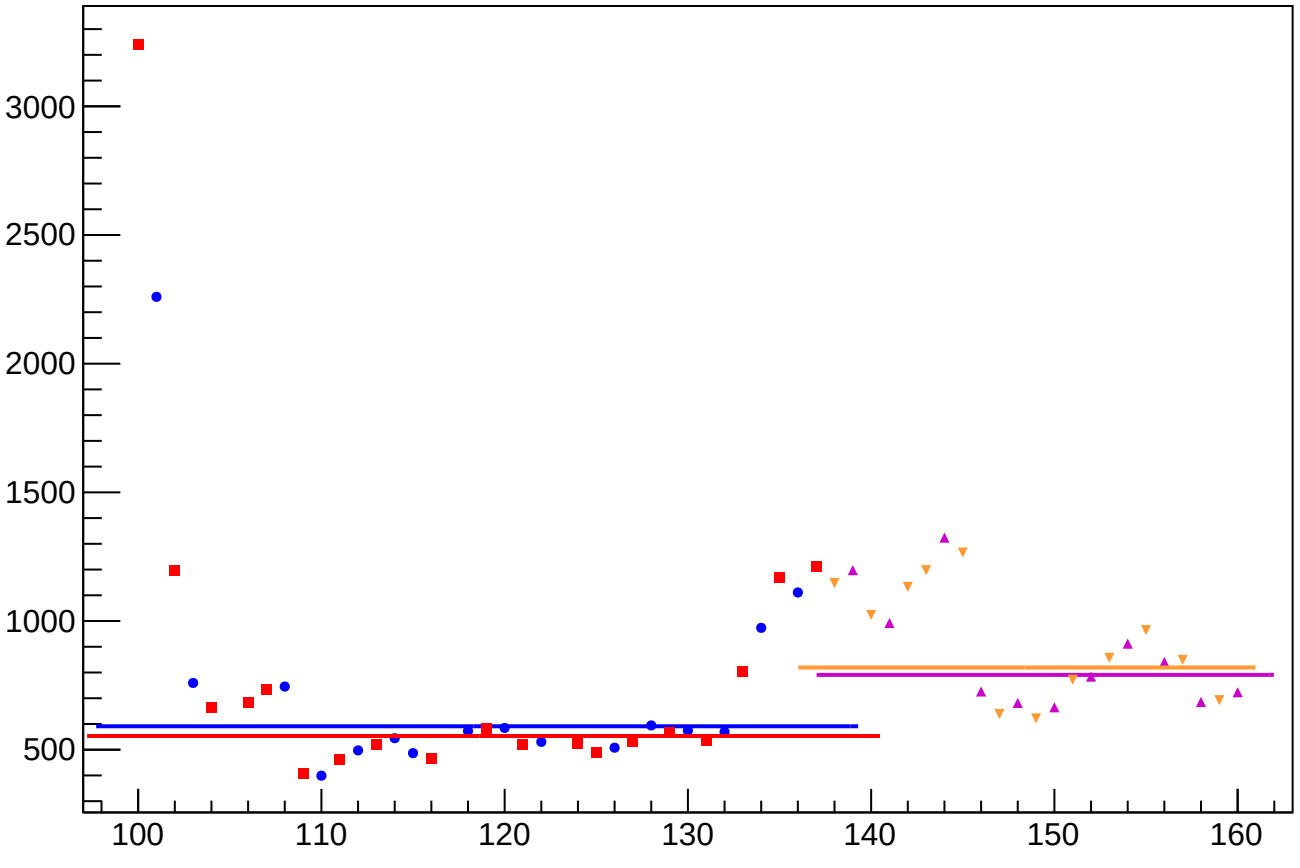
Left: -385.435+/-189.671 χ^2/NDF: 47.5/22

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 122.491+/-174.370 χ^2/NDF:28.7/26

Out: -28.923+/-169.744 χ^2/NDF:62.6/30

All: 44.749+/-121.630 χ^2/NDF: 91.7/57



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: 790.659+/-0.185 χ^2/NDF:765307.3/10

Left: 804.358+/-0.134 χ^2/NDF: 1789907.2/22

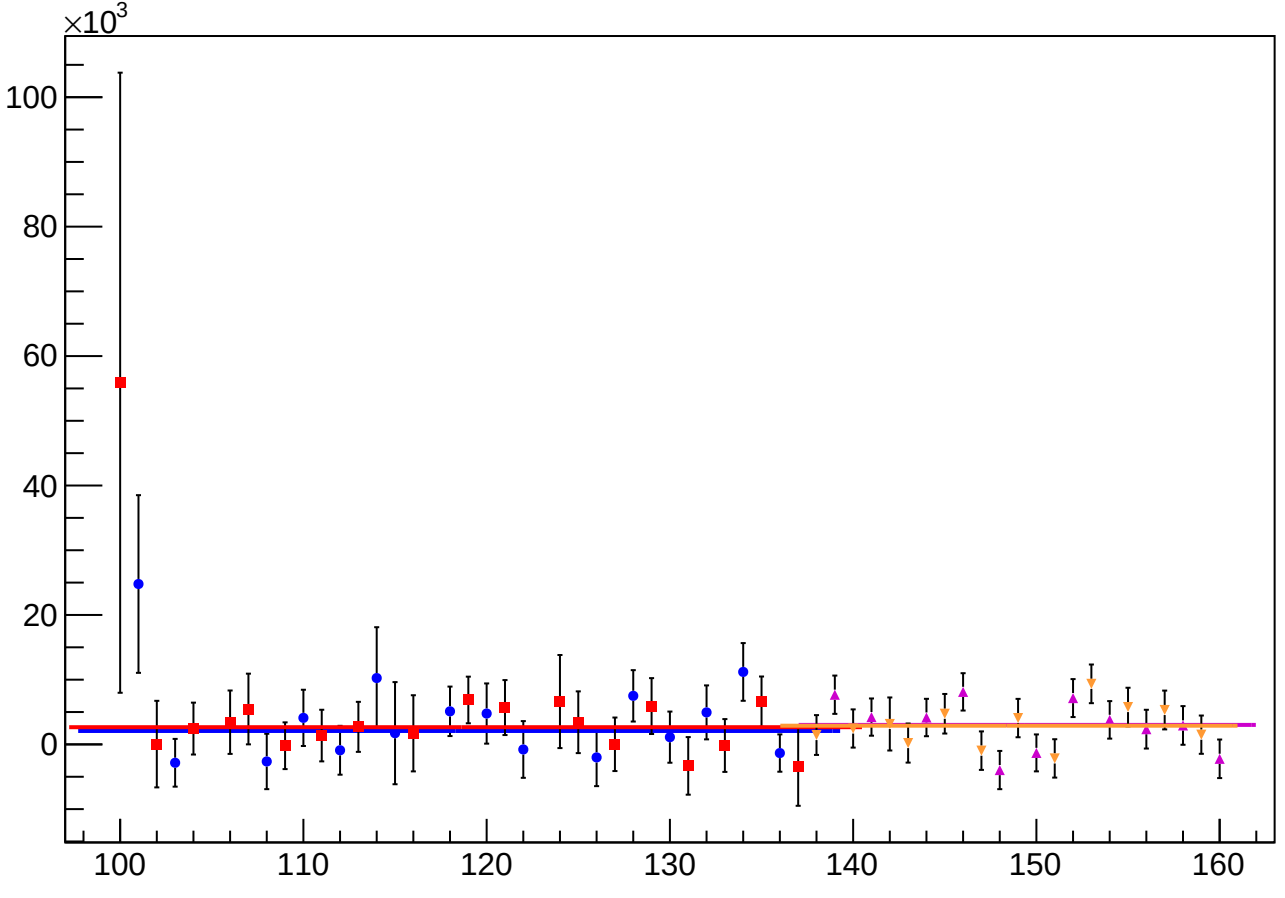
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 679.311+/-0.123 χ^2/NDF:2978470.6/26

Out: 654.871+/-0.120 χ^2/NDF:3275490.4/30

All: 666.763+/-0.086 χ^2/NDF: 6274134.2/57

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: 3011.166+/-882.573 χ^2/NDF:19.0/10

Left: 2950.019+/-623.675 χ^2/NDF: 31.7/22

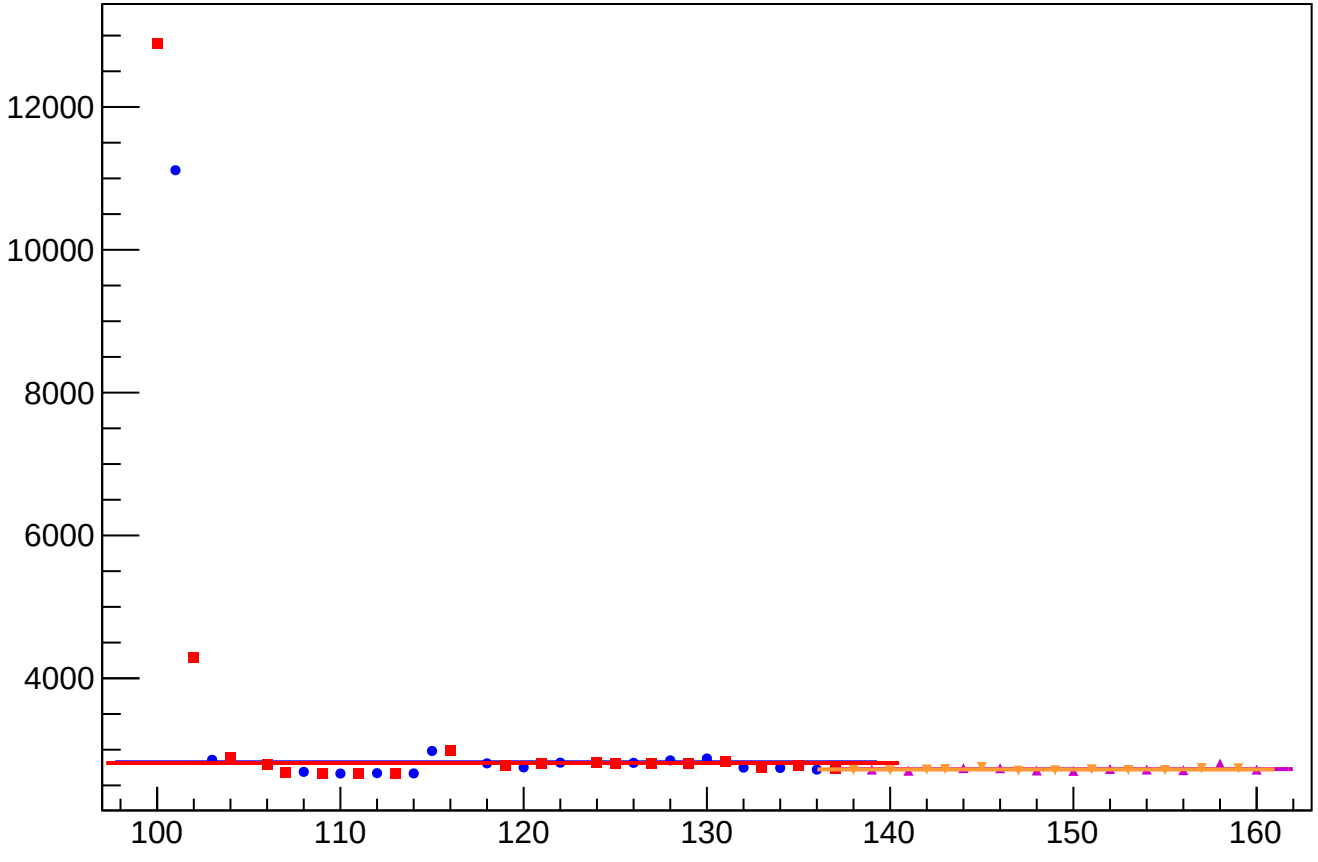
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2635.045+/-682.688 χ^2/NDF:37.4/26

Out: 2793.220+/-675.068 χ^2/NDF:22.6/30

All: 2715.020+/-480.017 χ^2/NDF: 60.0/57

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: 2728.692+/-0.624 χ^2/NDF:1844.8/10

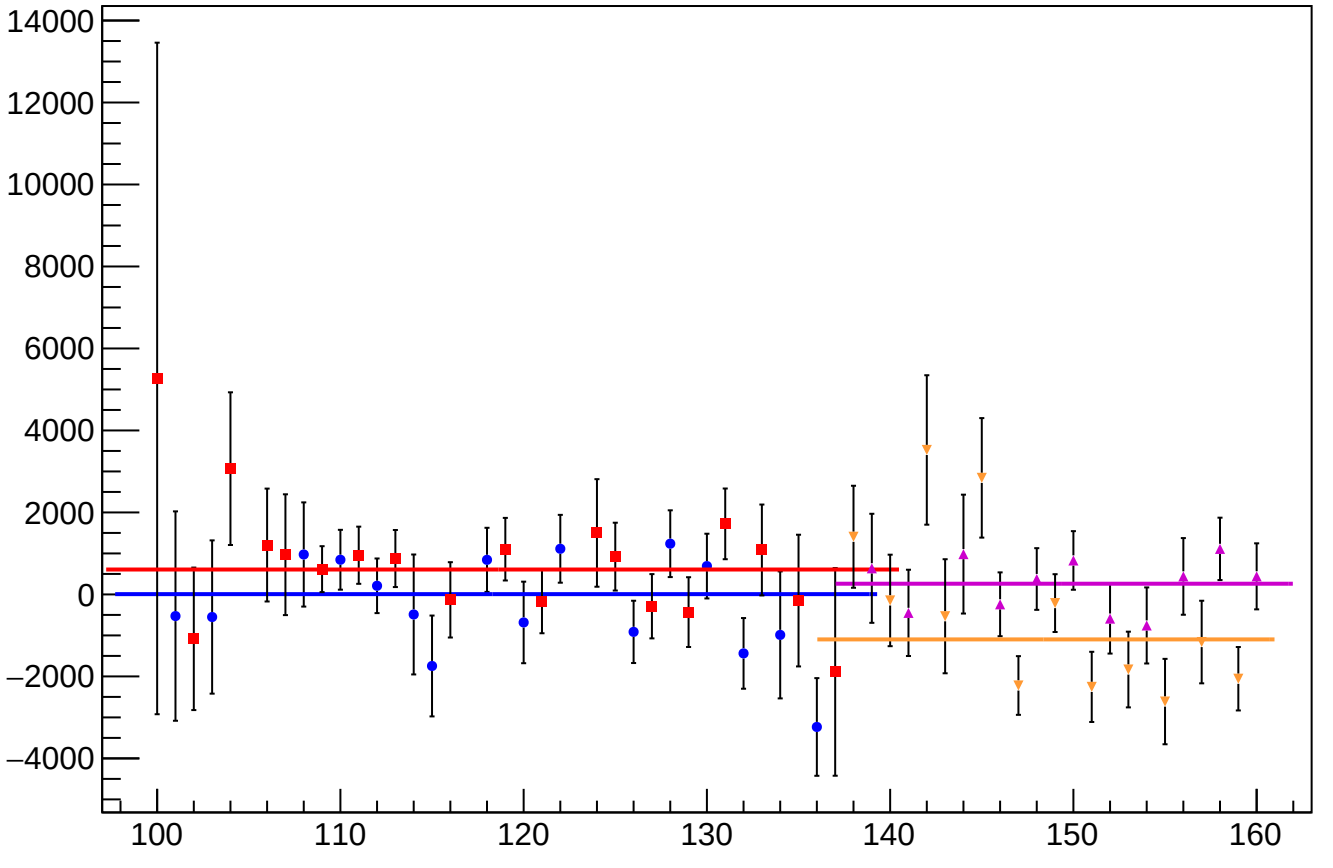
Left: 2726.279+/-0.441 χ^2/NDF: 2427.8/22

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2766.752+/-0.483 χ^2/NDF:755020.9/26

Out: 2761.062+/-0.477 χ^2/NDF:209676.3/30

All: 2763.875+/-0.339 χ^2/NDF: 964767.4/57



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: 261.049+/-264.768 χ^2/NDF:5.4/10

Left: -381.739+/-192.171 χ^2/NDF: 46.7/22

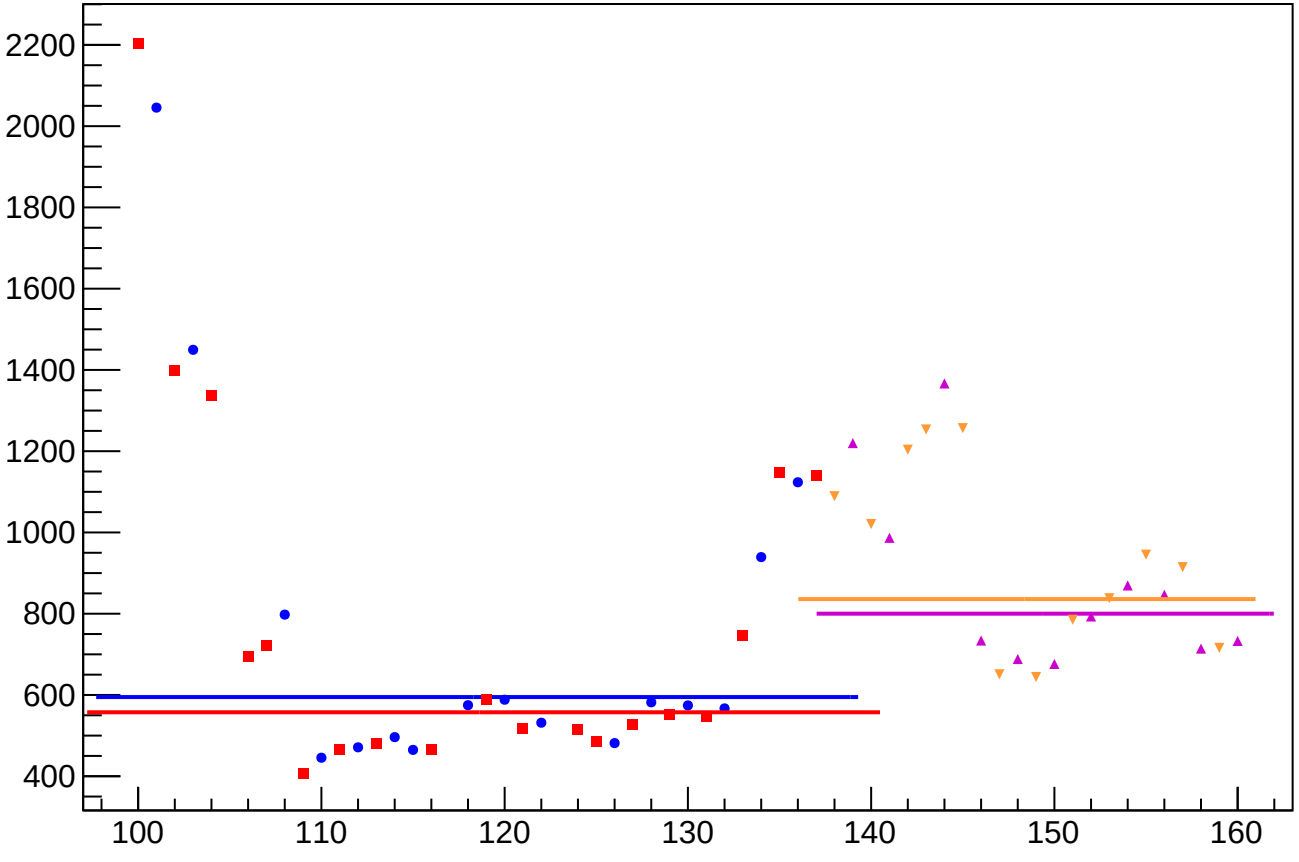
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 120.276+/-176.776 χ^2/NDF:28.7/26

Out: -34.311+/-171.418 χ^2/NDF:64.2/30

All: 40.604+/-123.062 χ^2/NDF: 93.3/57

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: 800.110+/-0.187 χ^2/NDF:741618.8/10

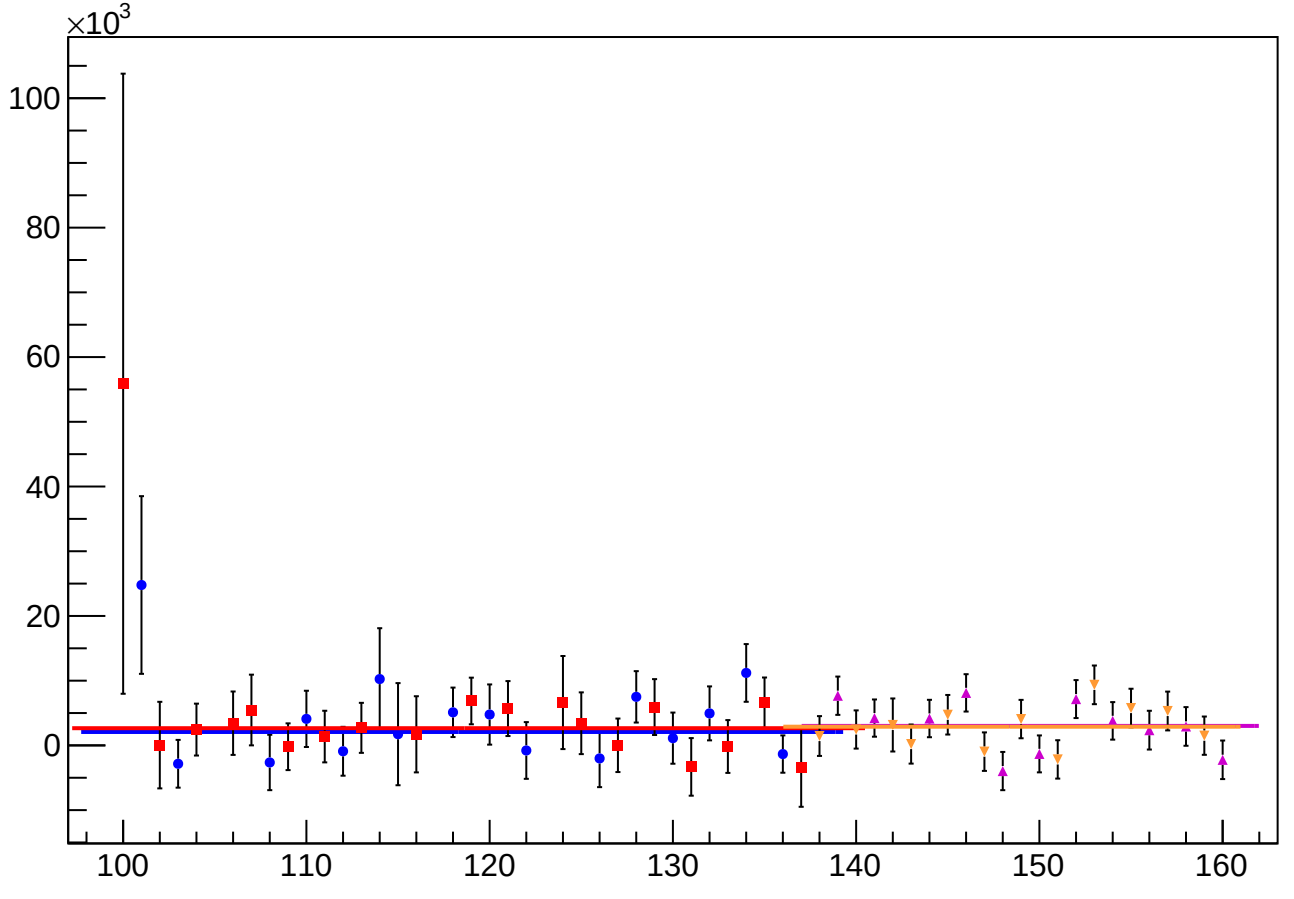
Left: 817.107+/-0.136 χ^2/NDF: 1695852.6/22

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 686.354+/-0.125 χ^2/NDF:3260403.5/26

Out: 662.308+/-0.121 χ^2/NDF:3808610.5/30

All: 673.961+/-0.087 χ^2/NDF: 7088085.5/57



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: 3011.165+/-882.573 χ^2/NDF:19.0/10

Left: 2950.019+/-623.675 χ^2/NDF: 31.7/22

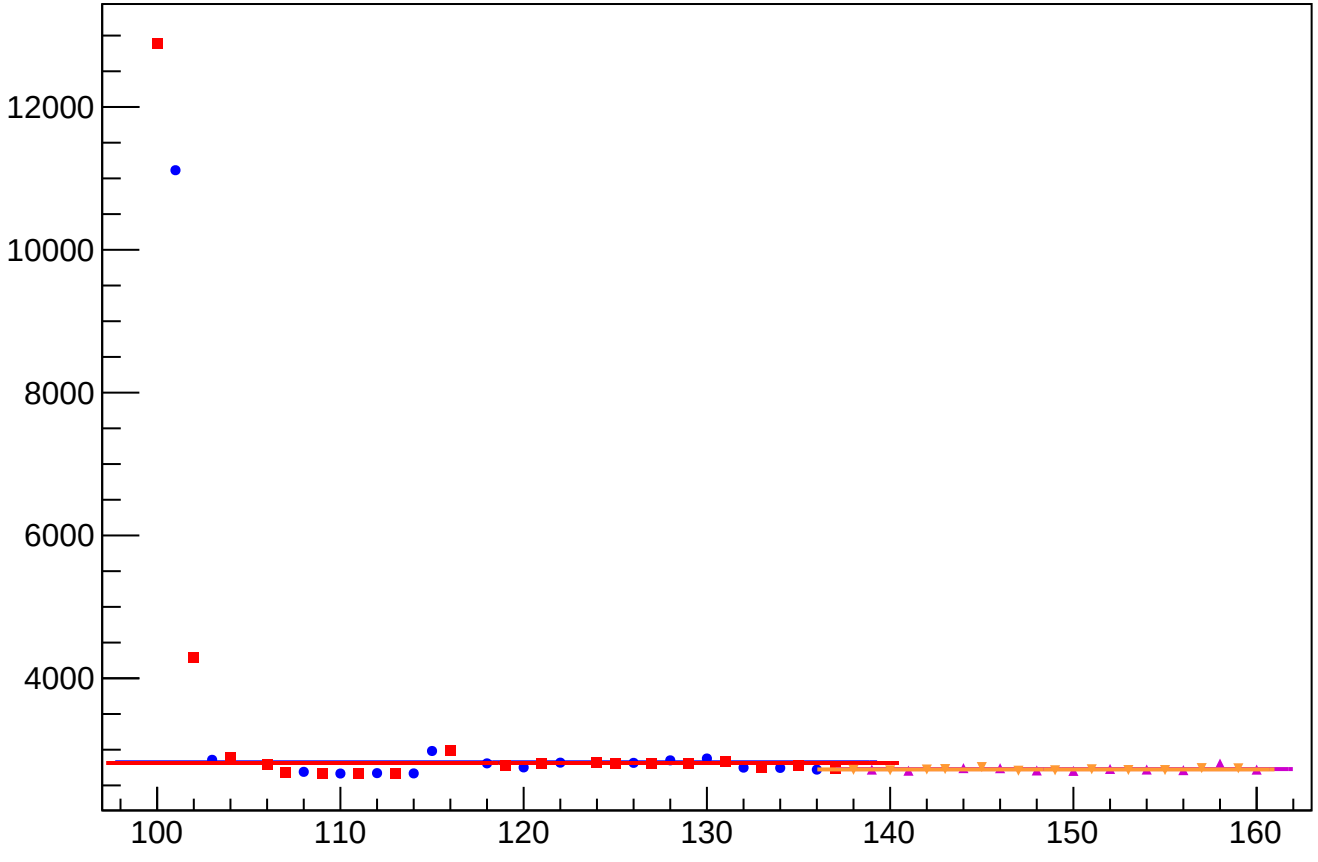
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2635.045+/-682.688 χ^2/NDF:37.4/26

Out: 2793.220+/-675.068 χ^2/NDF:22.6/30

All: 2715.020+/-480.017 χ^2/NDF: 60.0/57

eigen_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: 200511.7/18

Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

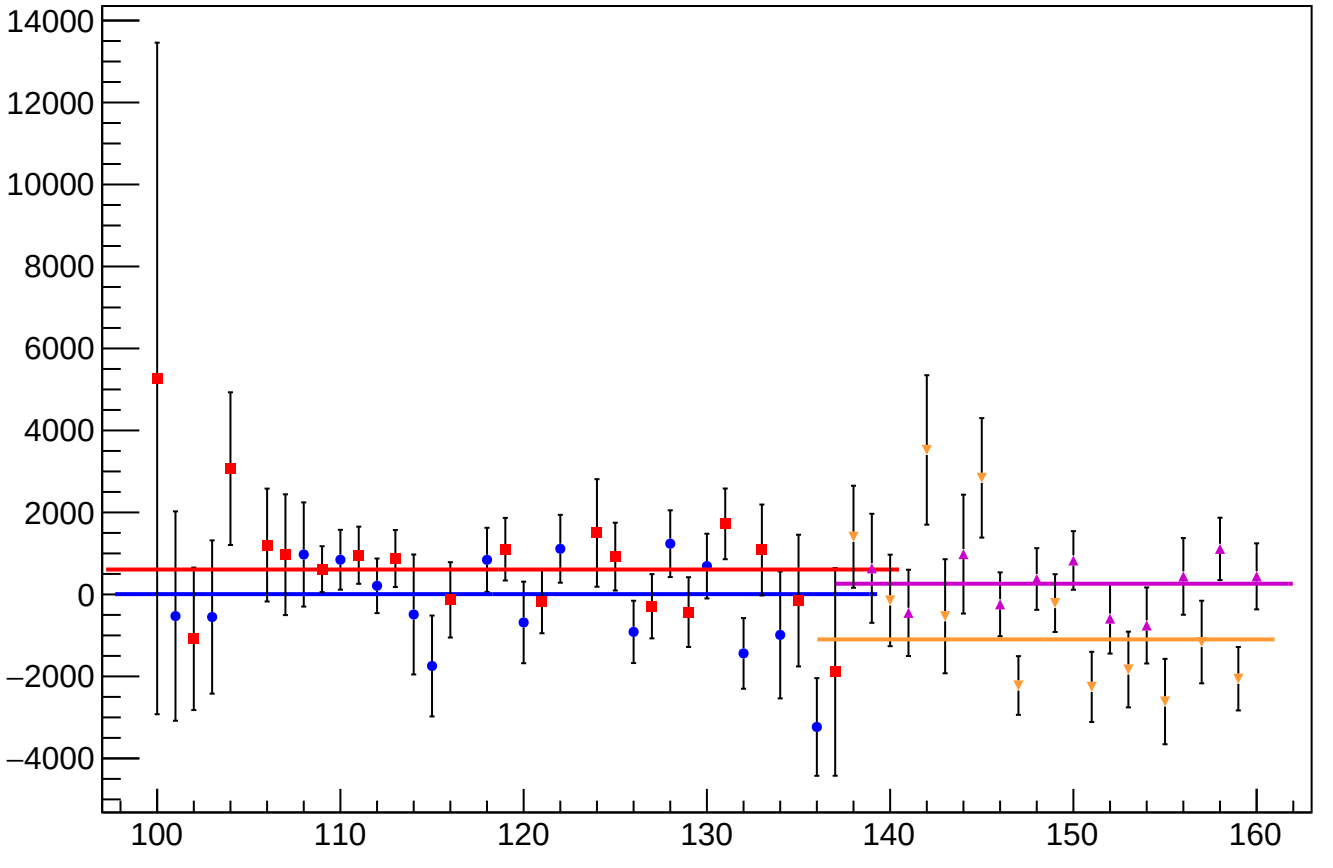
Left: 2726.279+/-0.441 χ^2/NDF: 2427.8/22

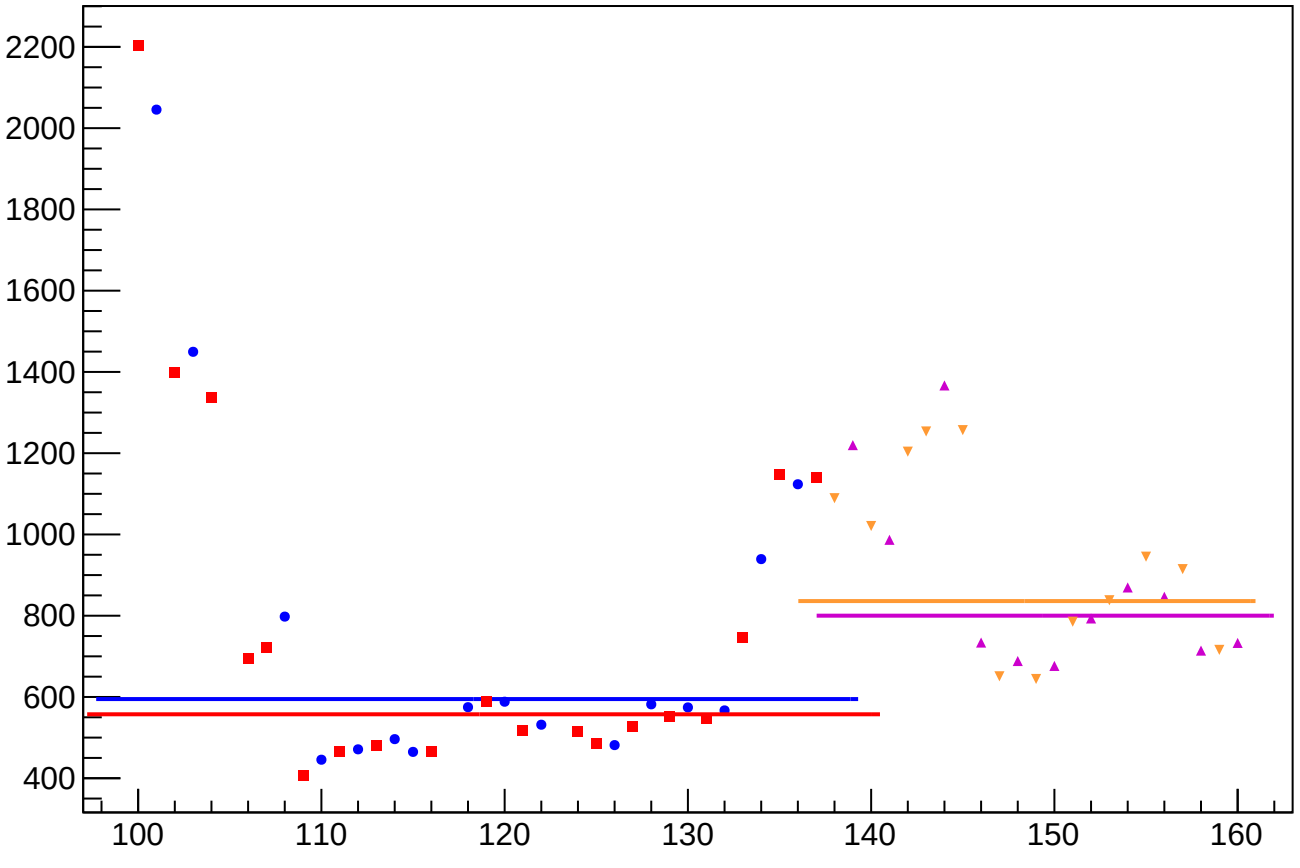
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2766.752+/-0.483 χ^2/NDF:755020.8/26

Out: 2761.062+/-0.477 χ^2/NDF:209676.0/30

All: 2763.875+/-0.339 χ^2/NDF: 964767.1/57


asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 7.049+/-237.455 χ²/NDF: 22.8/15
Left Out: -1097.322+/-279.359 χ²/NDF:28.8/11
Right Out: 607.647+/-217.094 χ²/NDF: 12.2/18
Left In: 261.049+/-264.768 χ²/NDF:5.4/10
Left: -381.739+/-192.170 χ²/NDF: 46.7/22
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 120.276+/-176.776 χ²/NDF:28.7/26
Out: -34.312+/-171.418 χ²/NDF:64.2/30
All: 40.604+/-123.062 χ²/NDF: 93.3/57



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: 800.109+/-0.187 χ^2/NDF:741621.0/10

Left: 817.107+/-0.136 χ^2/NDF: 1695857.3/22

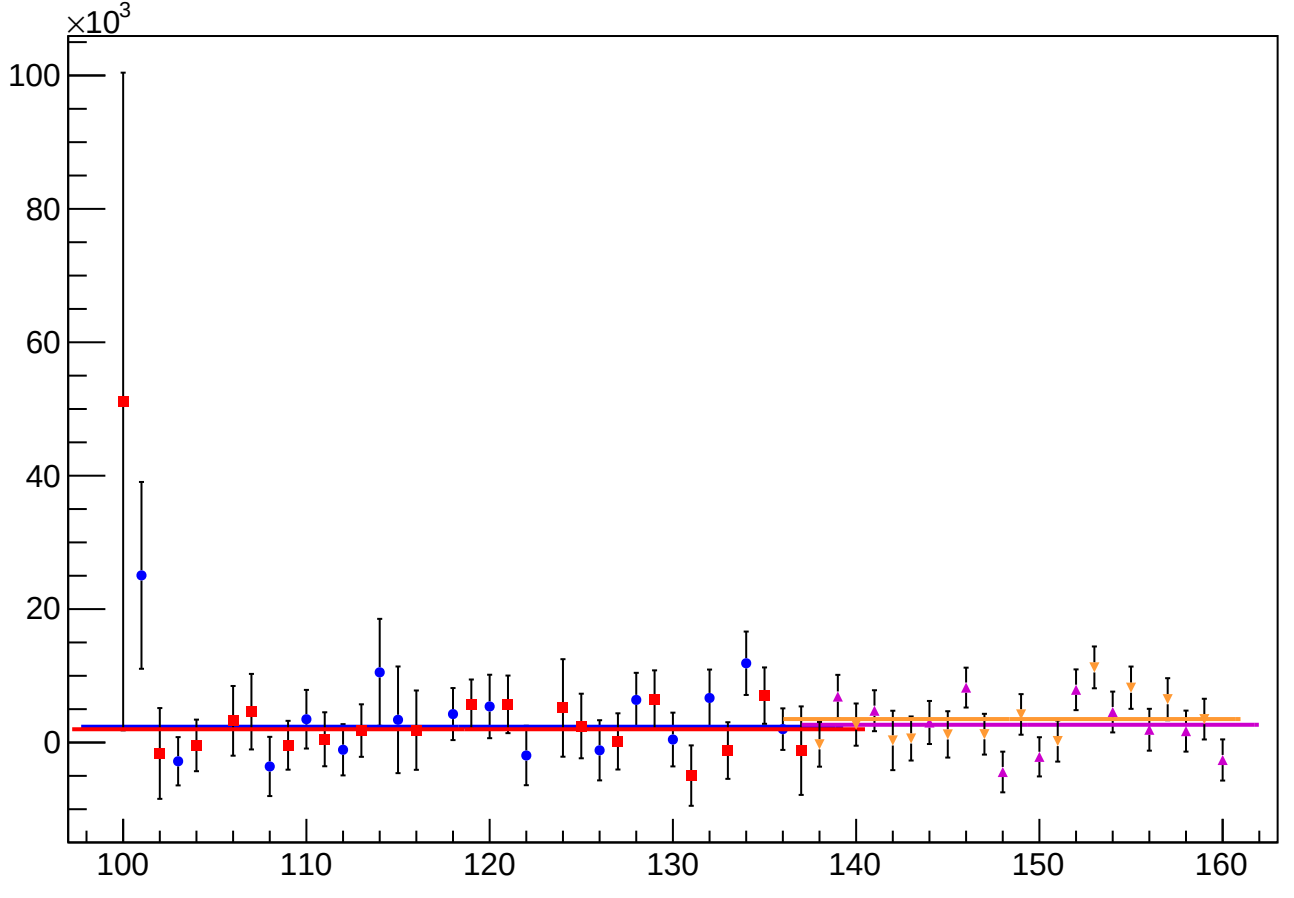
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 686.354+/-0.125 χ^2/NDF:3260395.5/26

Out: 662.309+/-0.121 χ^2/NDF:3808607.5/30

All: 673.961+/-0.087 χ^2/NDF: 7088074.7/57

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: 2659.344+/-929.120 χ^2/NDF:20.1/10

Left: 3085.384+/-659.121 χ^2/NDF: 34.6/22

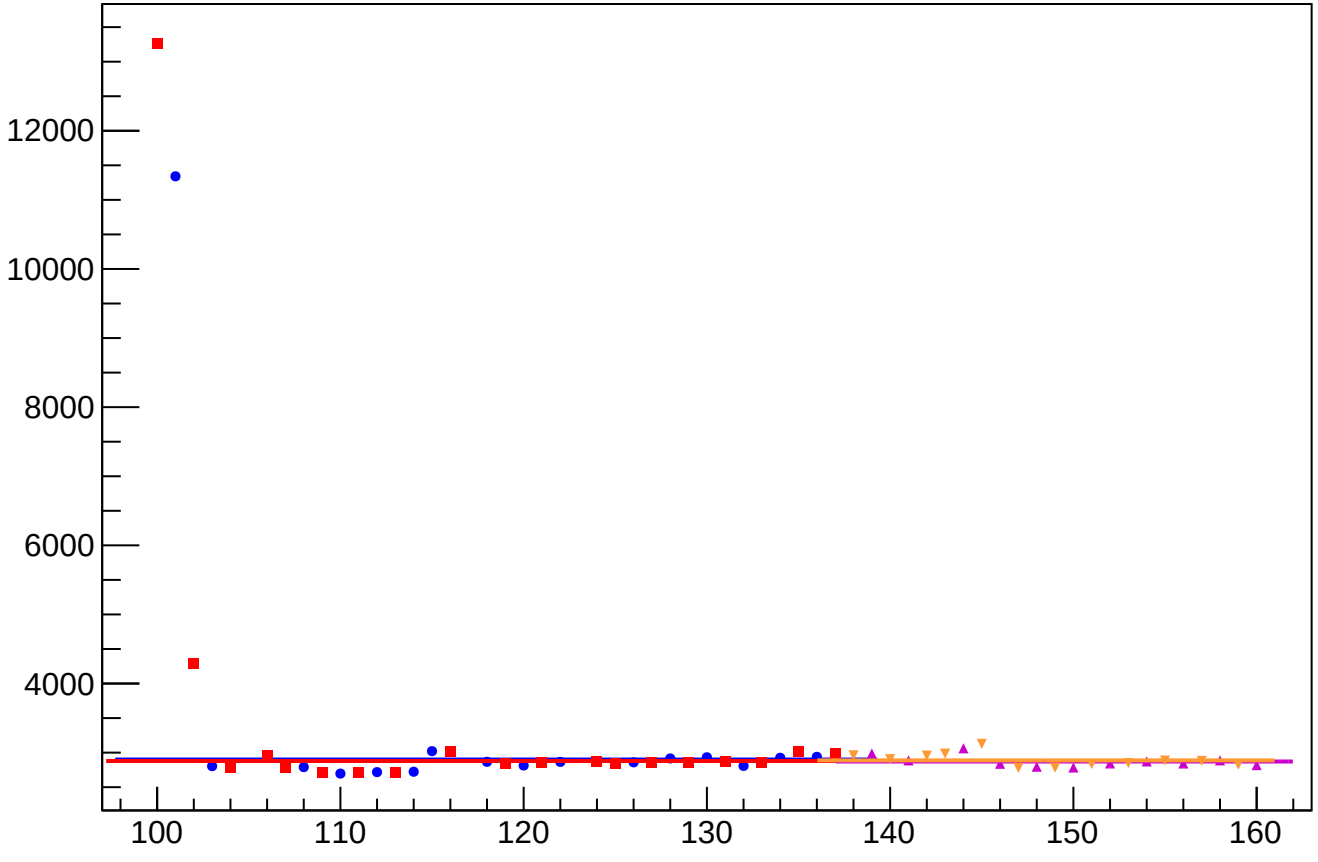
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2538.488+/-711.461 χ^2/NDF:37.0/26

Out: 2858.140+/-705.653 χ^2/NDF:25.5/30

All: 2699.624+/-501.013 χ^2/NDF: 62.6/57

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: 2871.427+/-0.657 χ^2/NDF:13764.6/10

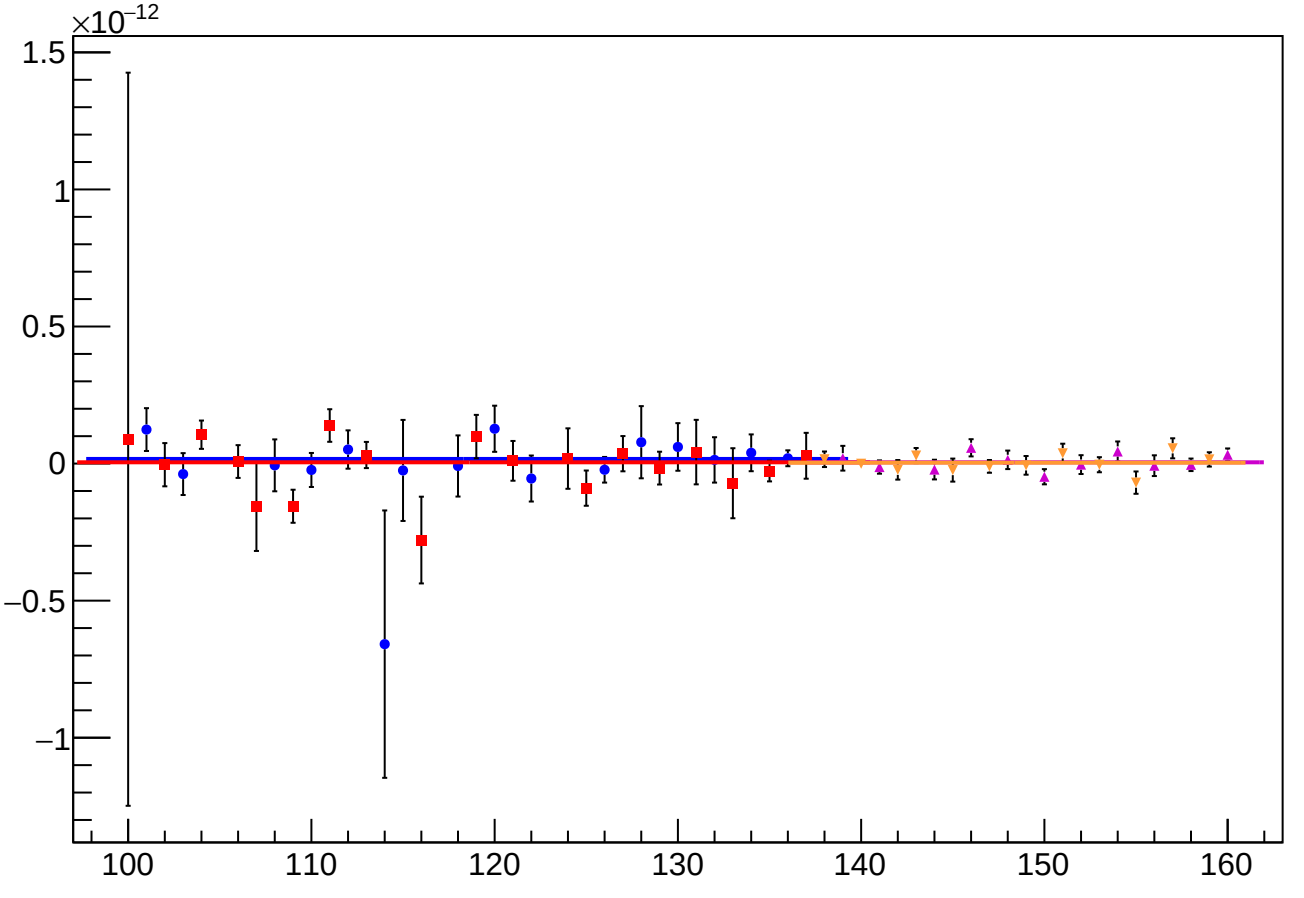
Left: 2879.646+/-0.466 χ^2/NDF: 33391.7/22

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2883.175+/-0.503 χ^2/NDF:756355.8/26

Out: 2884.090+/-0.499 χ^2/NDF:212674.5/30

All: 2883.636+/-0.354 χ^2/NDF: 969031.9/57



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:10.6/10

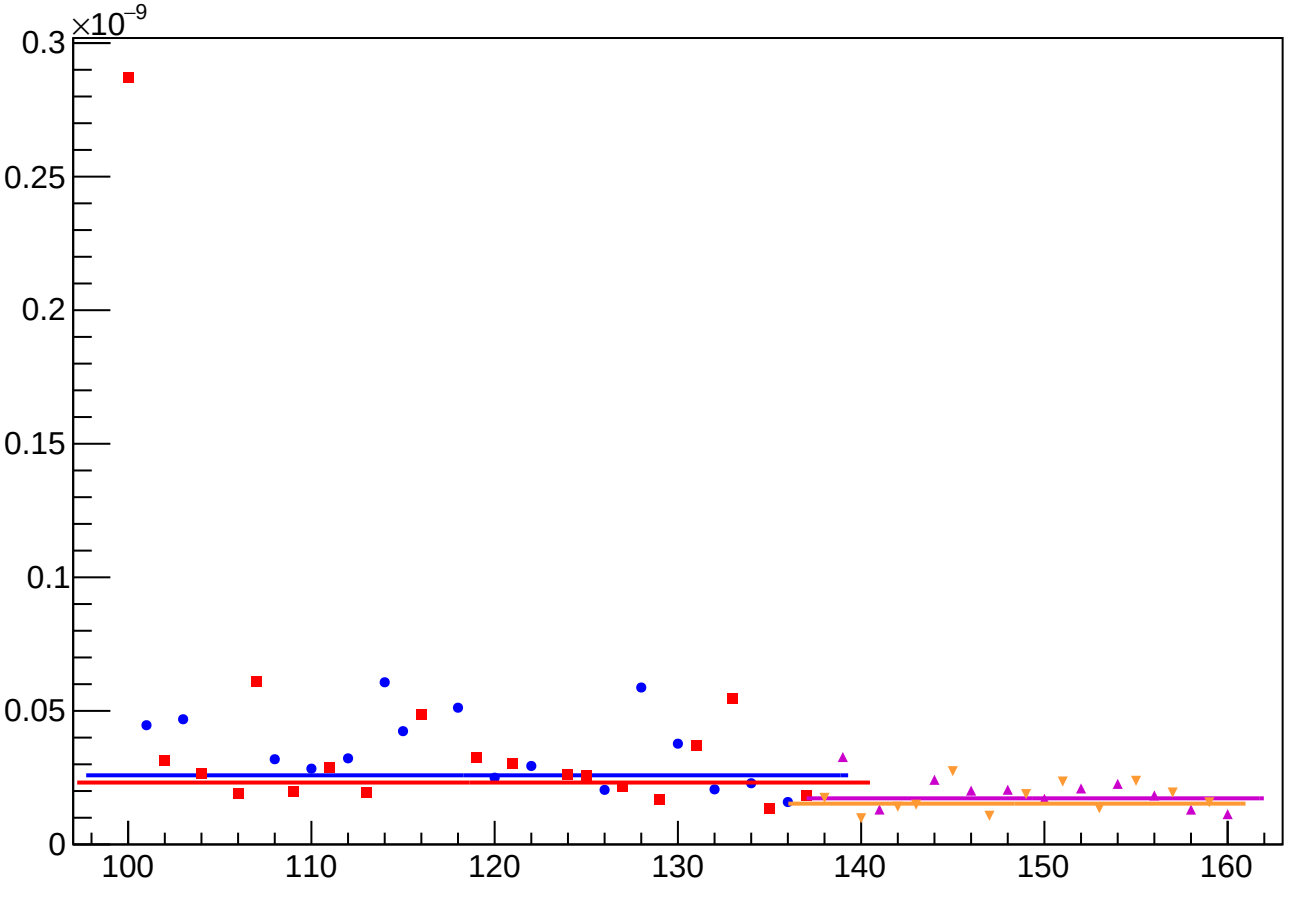
Left: 0.000+/-0.000 χ^2/NDF: 19.6/22

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:19.9/26

Out: 0.000+/-0.000 χ^2/NDF:34.7/30

All: 0.000+/-0.000 χ^2/NDF: 54.7/57



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:675056.9/10

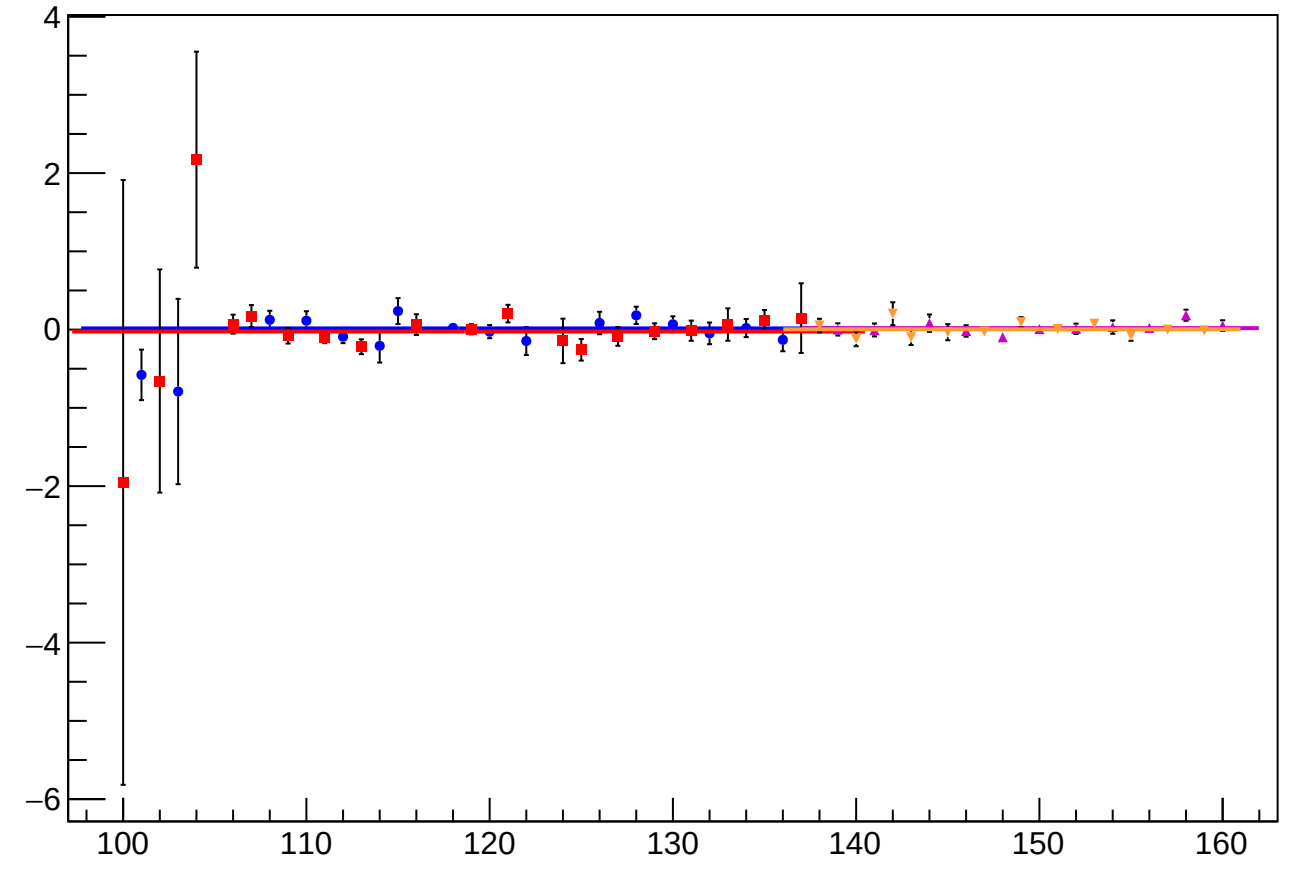
Left: 0.000+/-0.000 χ^2/NDF: 1417059.4/22

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1946388.9/26

Out: 0.000+/-0.000 χ^2/NDF:1774108.2/30

All: 0.000+/-0.000 χ^2/NDF: 3801216.8/57



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: 0.019+/-0.021 χ^2/NDF:9.7/10

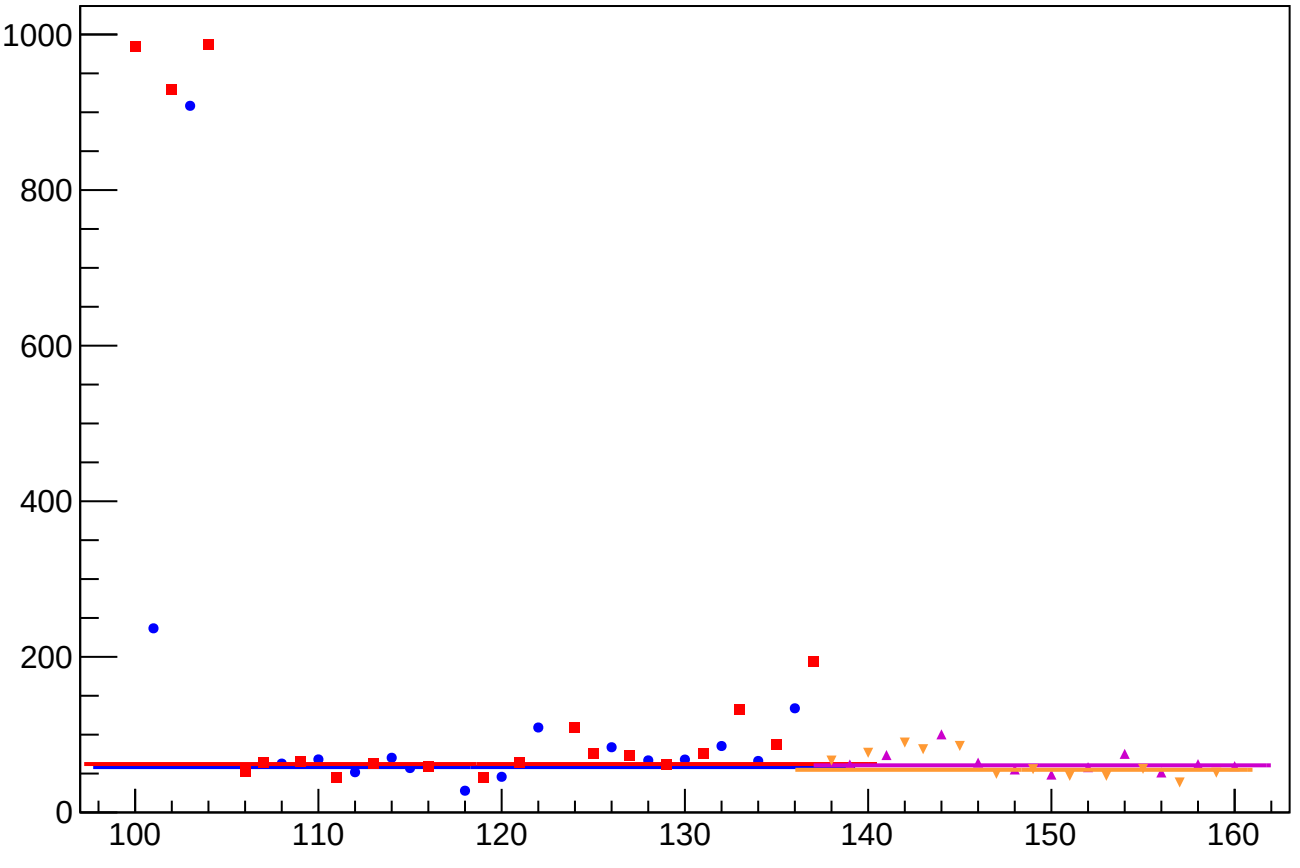
Left: 0.011+/-0.015 χ^2/NDF: 20.3/22

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.005+/-0.012 χ^2/NDF: 57.5/57



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: 60.570+/-0.015 χ^2/NDF:522894.9/10

Left: 57.565+/-0.010 χ^2/NDF: 1430769.9/22

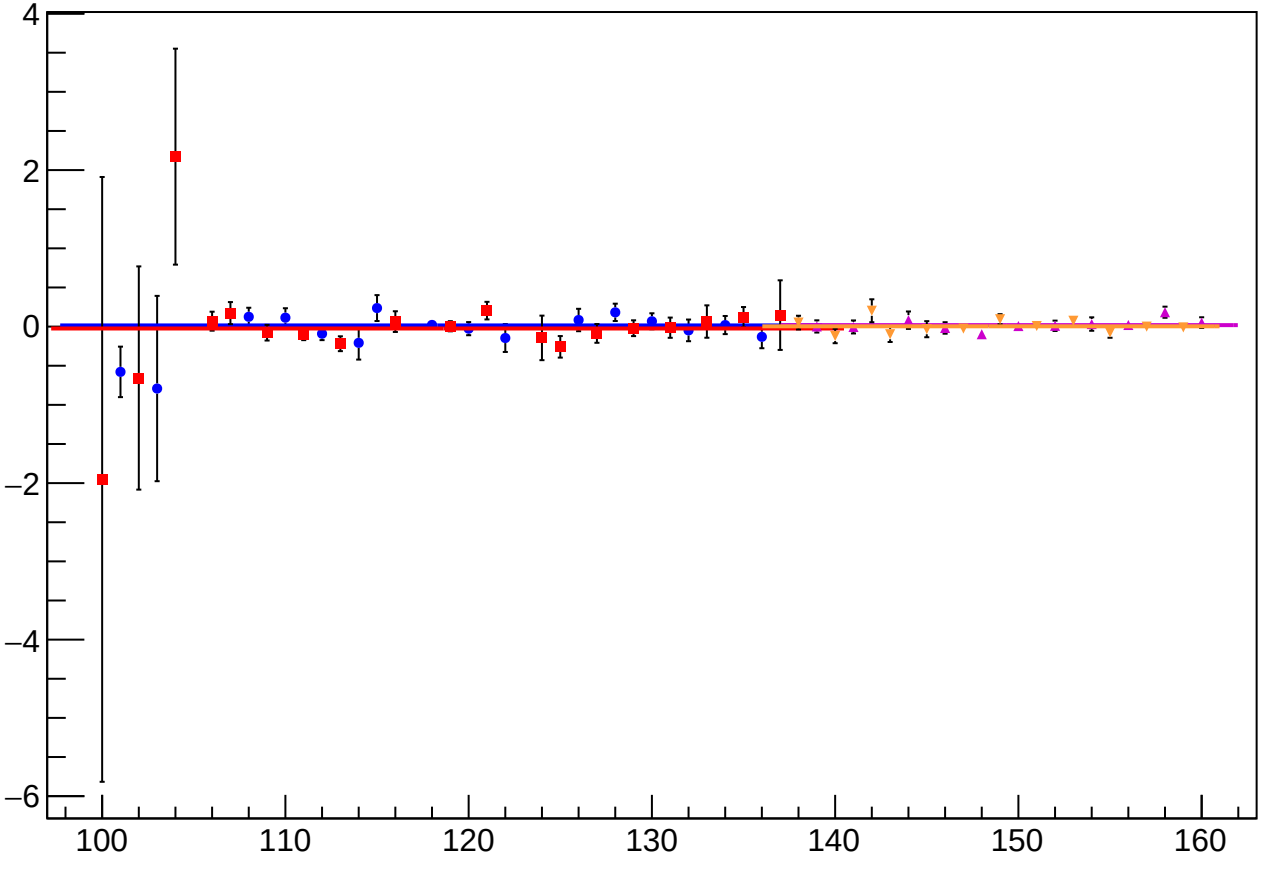
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.732+/-0.012 χ^2/NDF:3791570.4/26

Out: 57.395+/-0.012 χ^2/NDF:3550743.4/30

All: 58.532+/-0.008 χ^2/NDF: 7361819.5/57

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: 0.019+/-0.021 χ^2/NDF:9.7/10

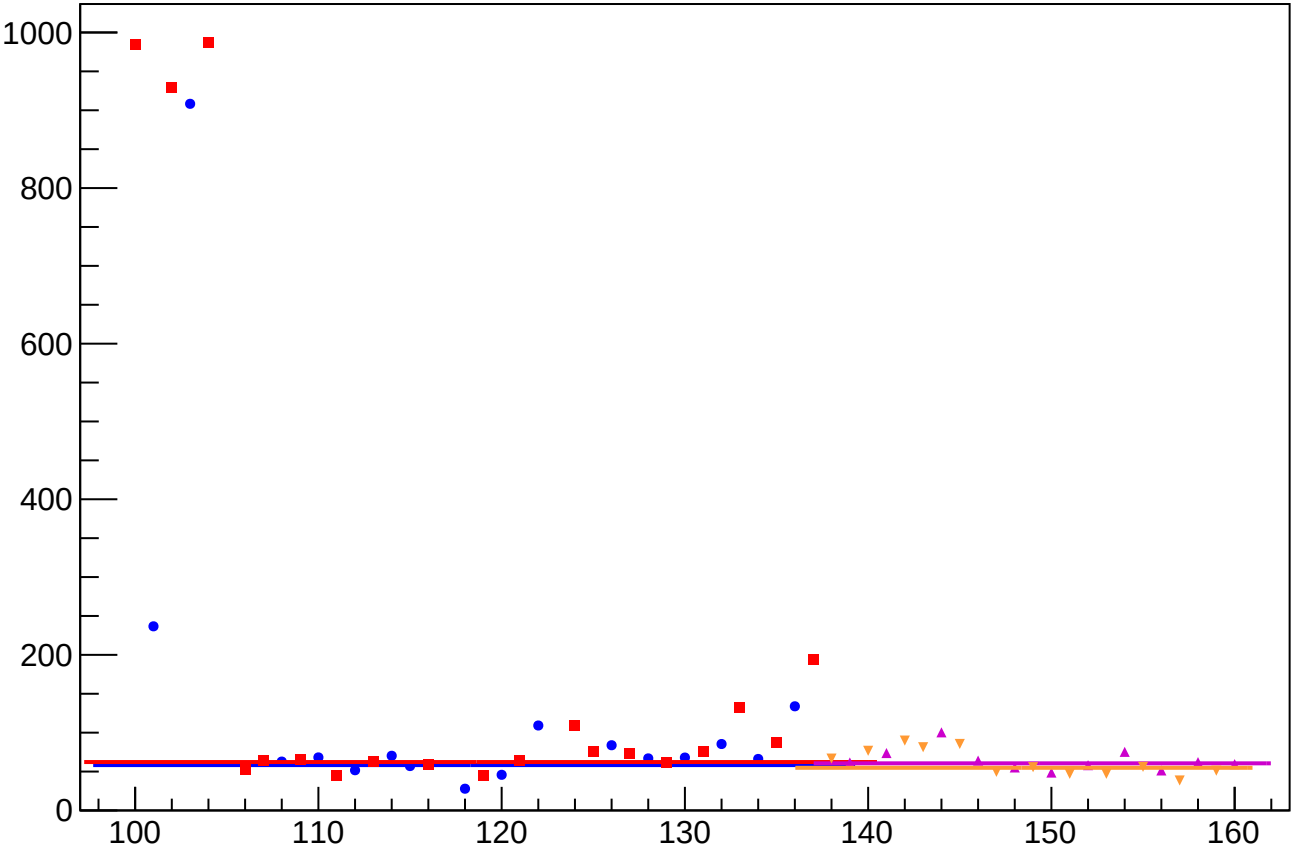
Left: 0.011+/-0.015 χ^2/NDF: 20.3/22

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.005+/-0.012 χ^2/NDF: 57.5/57



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: 60.570+/-0.015 χ^2/NDF:522894.9/10

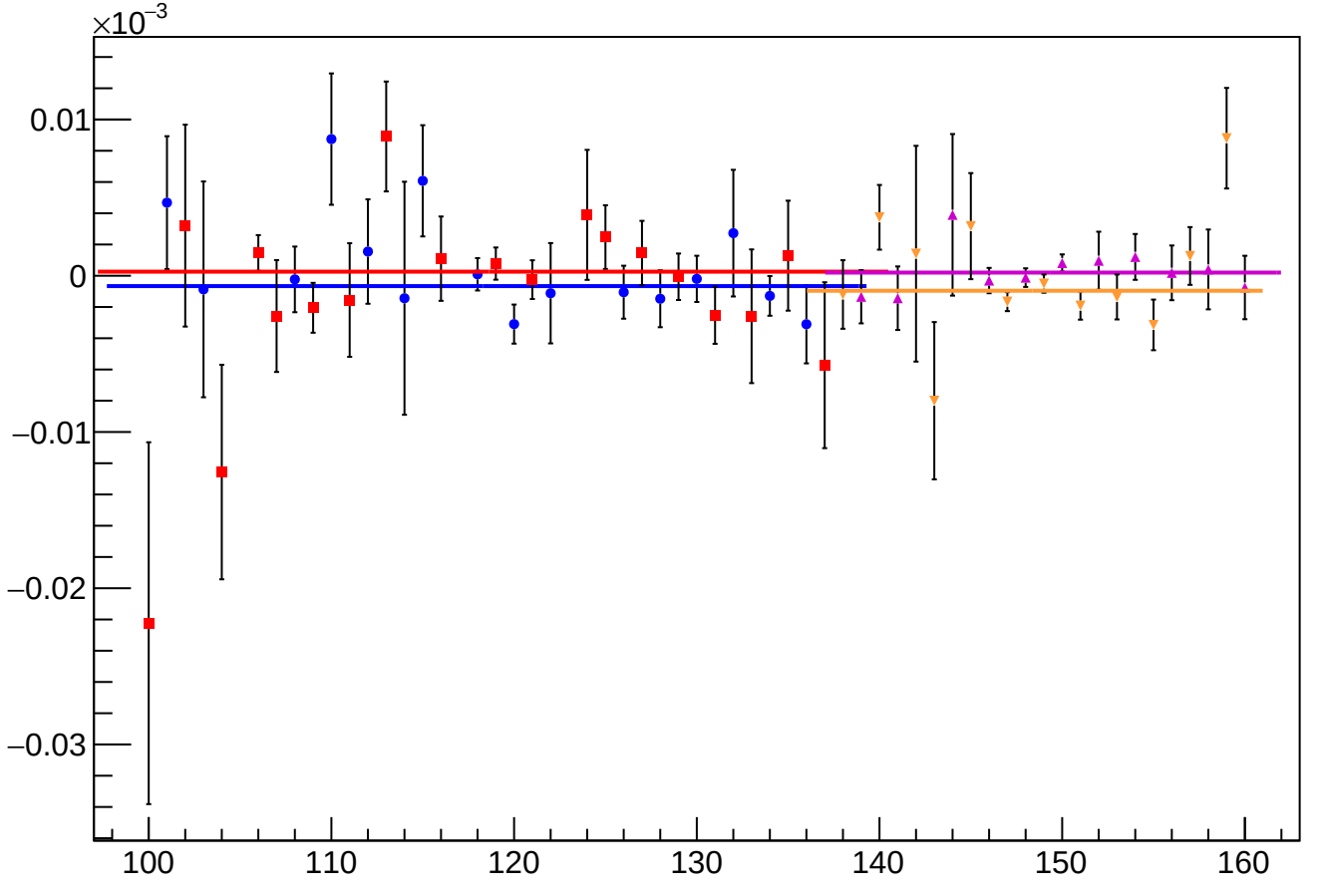
Left: 57.565+/-0.010 χ^2/NDF: 1430769.9/22

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.732+/-0.012 χ^2/NDF:3791570.4/26

Out: 57.395+/-0.012 χ^2/NDF:3550743.4/30

All: 58.532+/-0.008 χ^2/NDF: 7361819.5/57



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:4.8/10

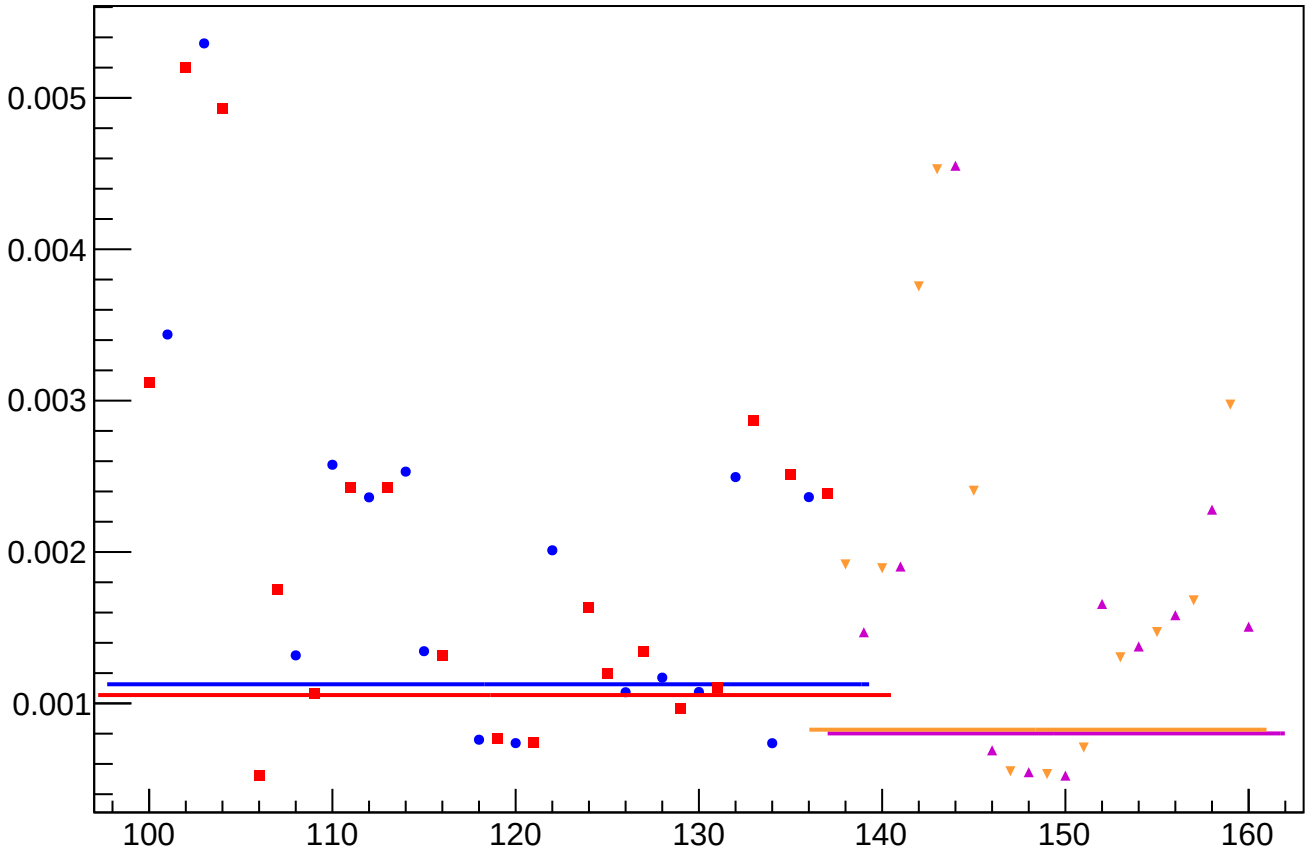
Left: -0.000+/-0.000 χ^2/NDF: 35.3/22

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:24.2/26

Out: -0.000+/-0.000 χ^2/NDF:53.4/30

All: -0.000+/-0.000 χ^2/NDF: 79.2/57



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:4905324.6/10

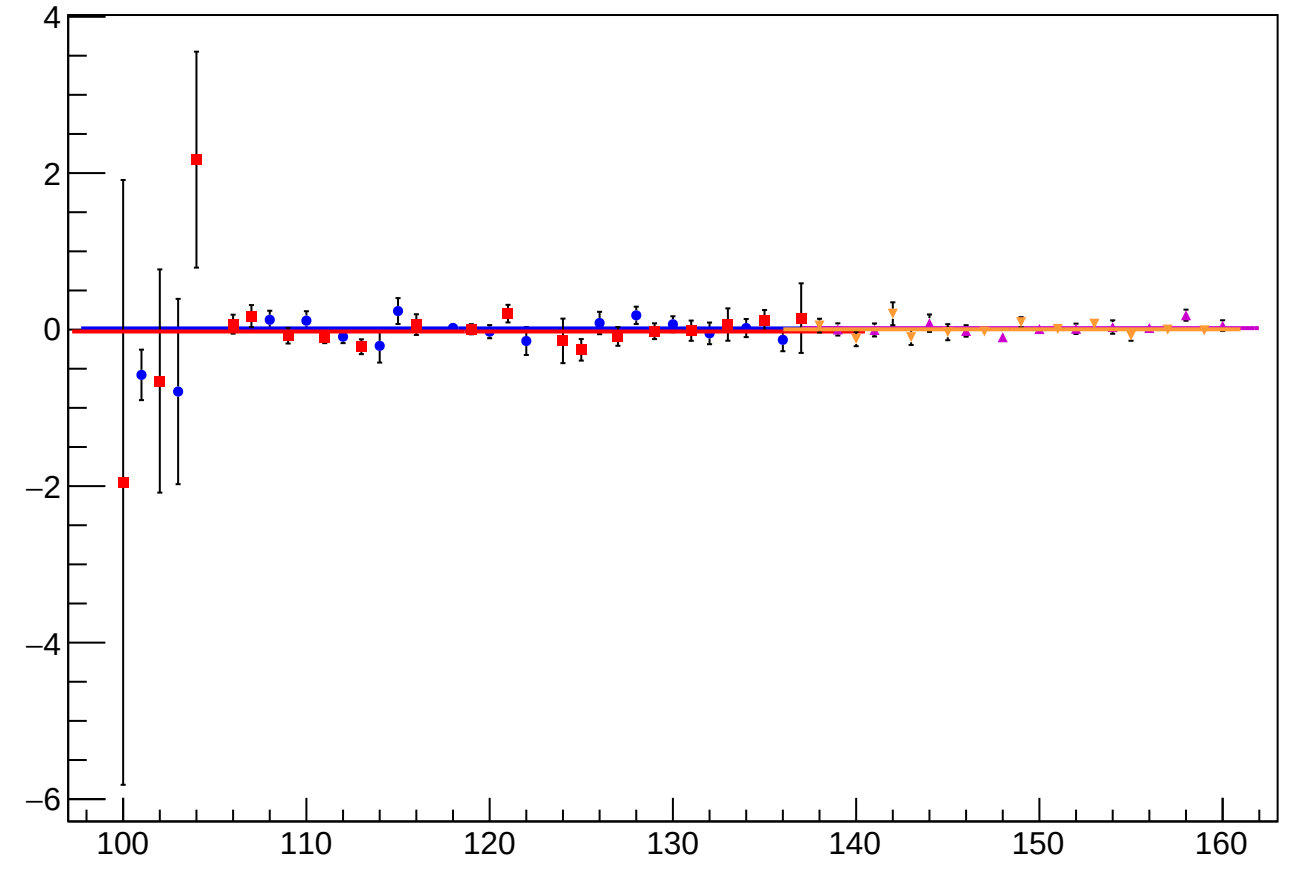
Left: 0.001+/-0.000 χ^2/NDF: 10615416.9/22

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:8972770.3/26

Out: 0.001+/-0.000 χ^2/NDF:9869701.7/30

All: 0.001+/-0.000 χ^2/NDF: 18843045.8/57



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: 0.019+/-0.021 χ^2/NDF:9.7/10

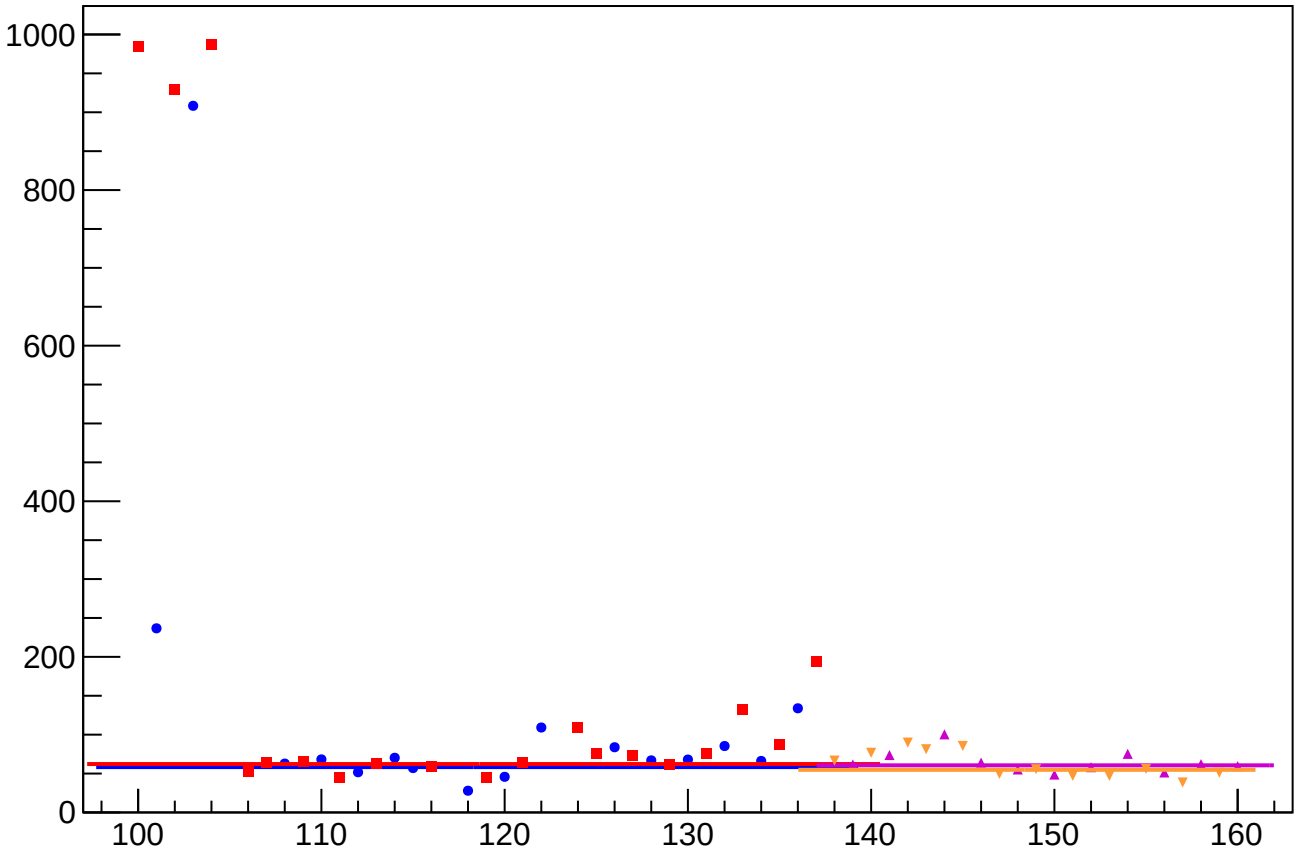
Left: 0.011+/-0.015 χ^2/NDF: 20.3/22

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.005+/-0.012 χ^2/NDF: 57.5/57



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: 60.570+/-0.015 χ^2/NDF:522914.7/10

Left: 57.564+/-0.010 χ^2/NDF: 1430872.1/22

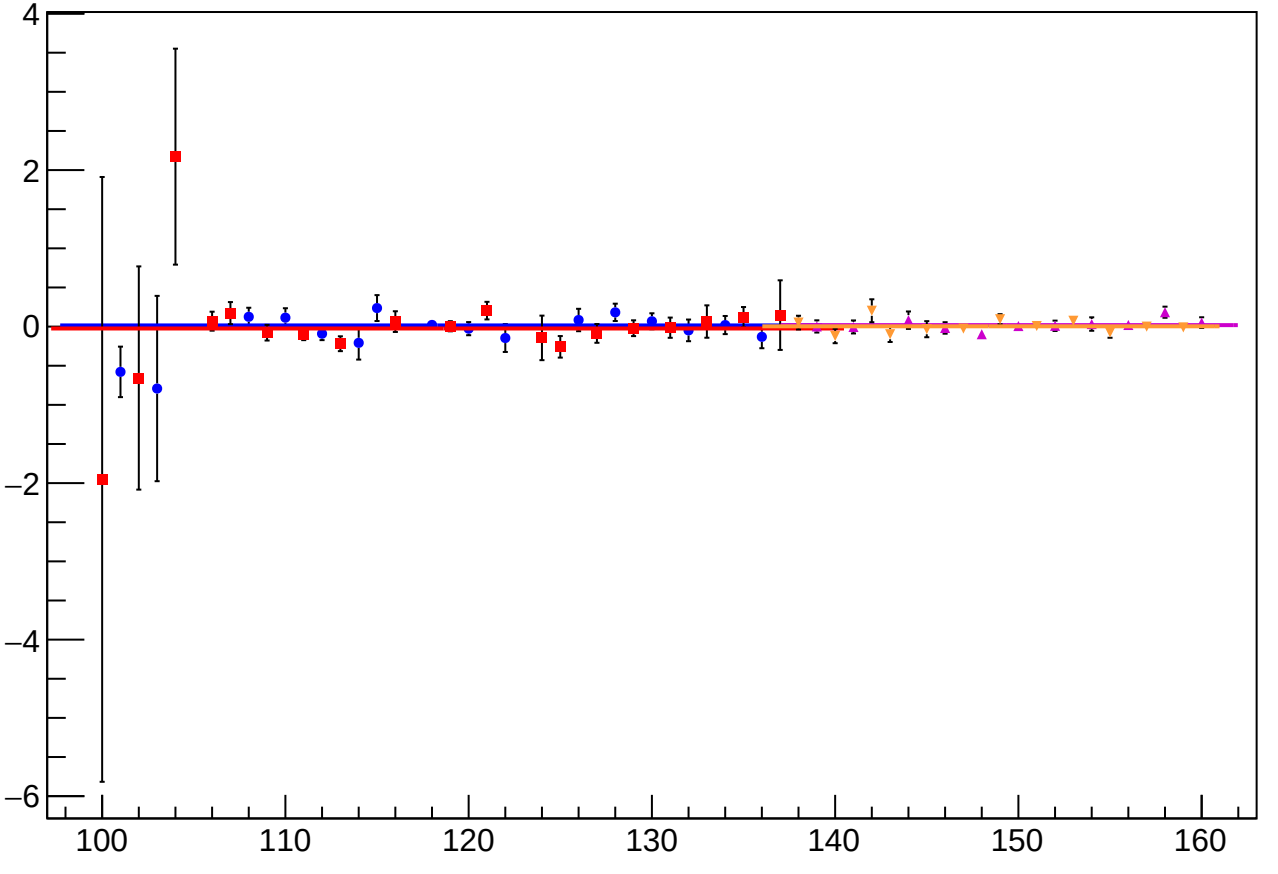
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.732+/-0.012 χ^2/NDF:3791676.4/26

Out: 57.394+/-0.012 χ^2/NDF:3550811.9/30

All: 58.531+/-0.008 χ^2/NDF: 7362000.0/57

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: 0.019+/-0.021 χ^2/NDF:9.7/10

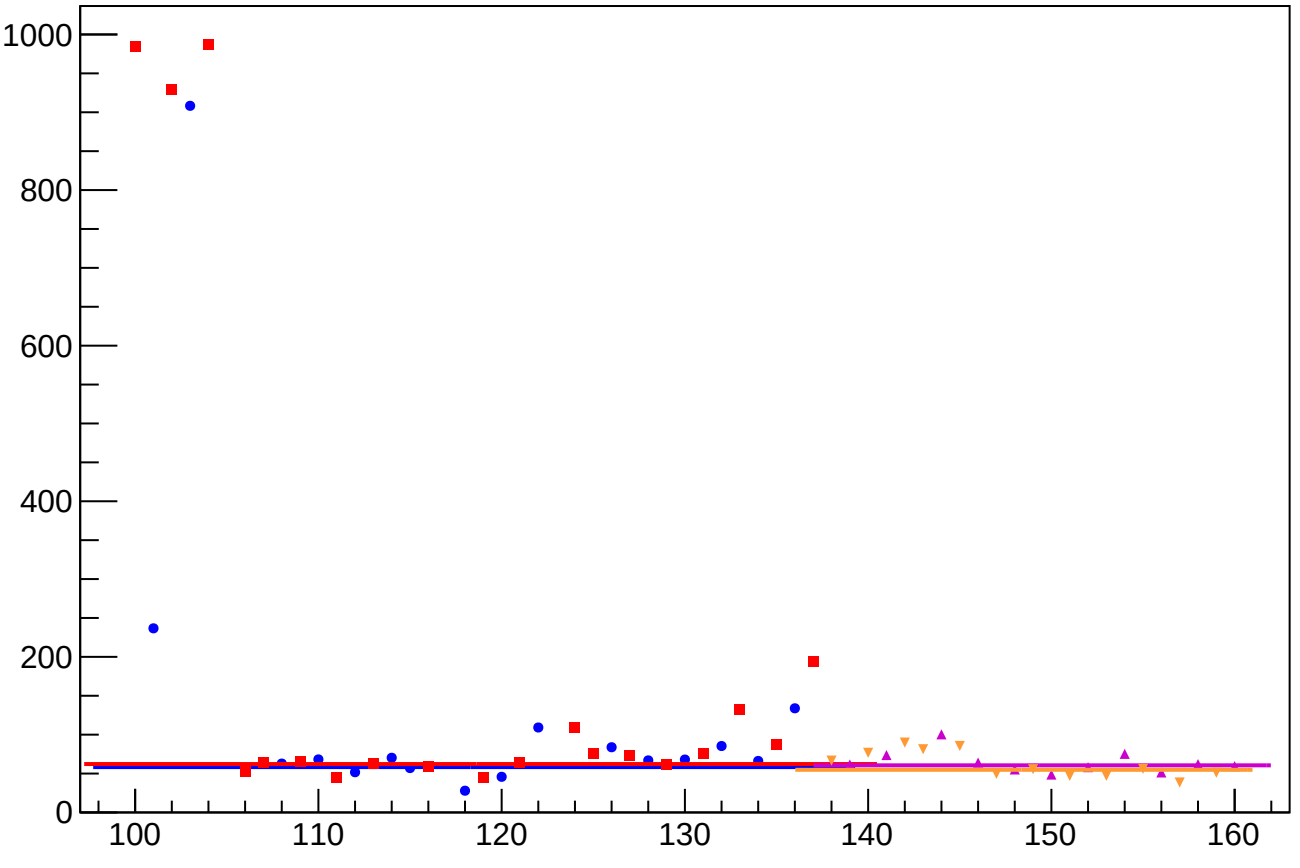
Left: 0.011+/-0.015 χ^2/NDF: 20.3/22

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.006+/-0.017 χ^2/NDF:31.7/30

All: 0.005+/-0.012 χ^2/NDF: 57.5/57



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: 60.570+/-0.015 χ^2/NDF:522914.7/10

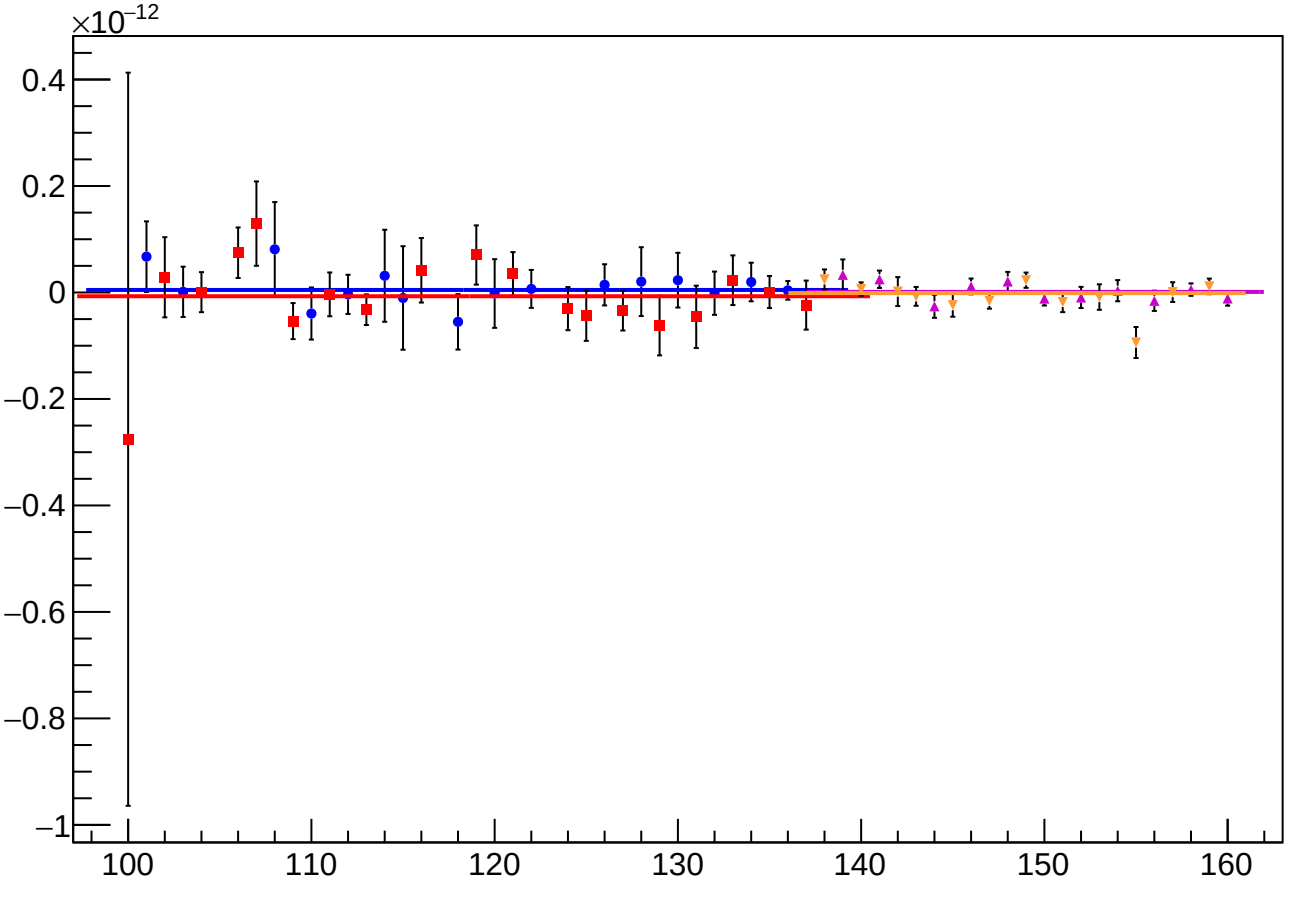
Left: 57.564+/-0.010 χ^2/NDF: 1430872.1/22

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.732+/-0.012 χ^2/NDF:3791676.4/26

Out: 57.394+/-0.012 χ^2/NDF:3550811.9/30

All: 58.531+/-0.008 χ^2/NDF: 7362000.0/57



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:9.6/10

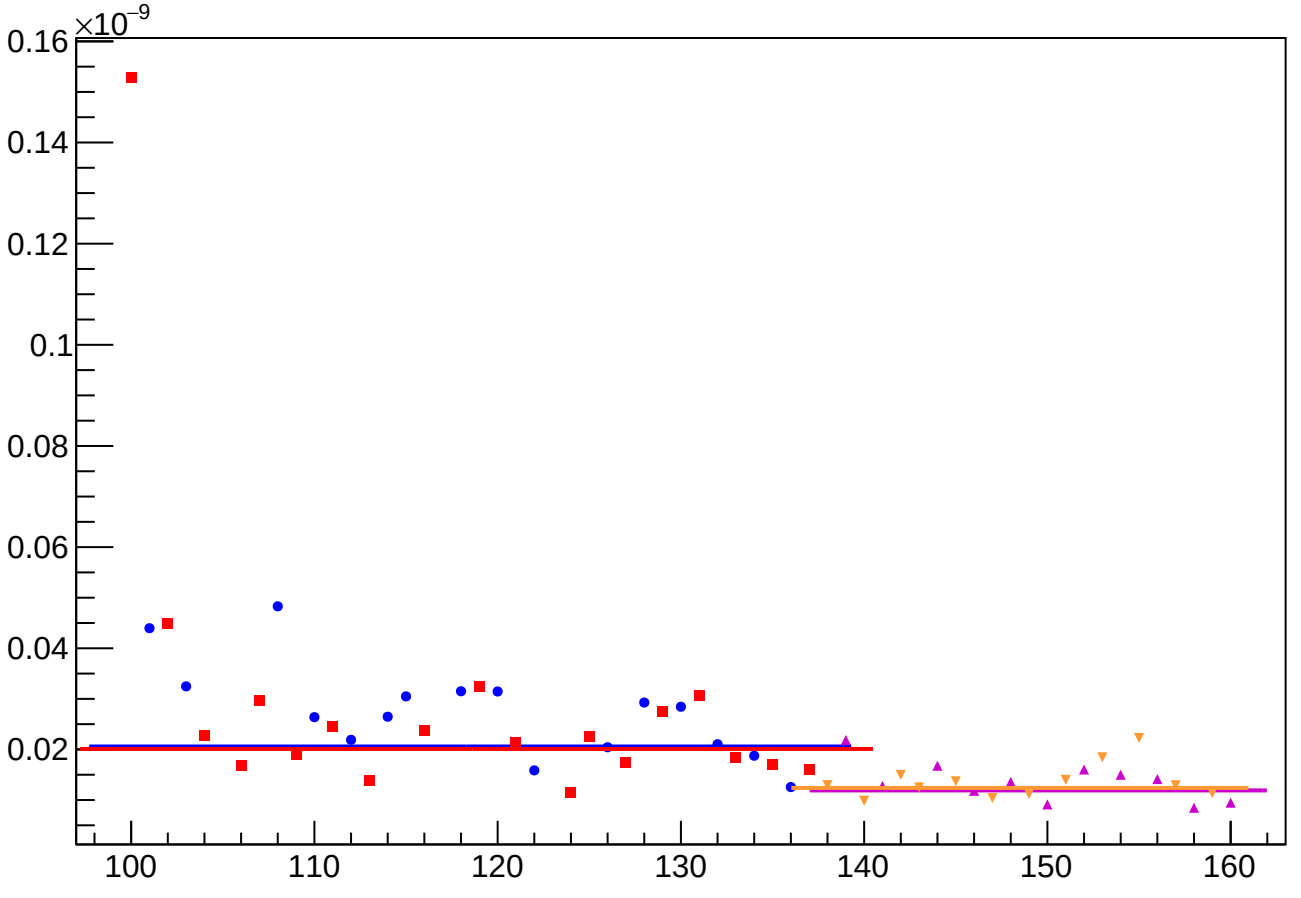
Left: 0.000+/-0.000 χ^2/NDF: 28.8/22

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:14.1/26

Out: -0.000+/-0.000 χ^2/NDF:35.6/30

All: -0.000+/-0.000 χ^2/NDF: 50.0/57



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:853453.4/10

Left: 0.000+/-0.000 χ^2/NDF: 1406947.9/22

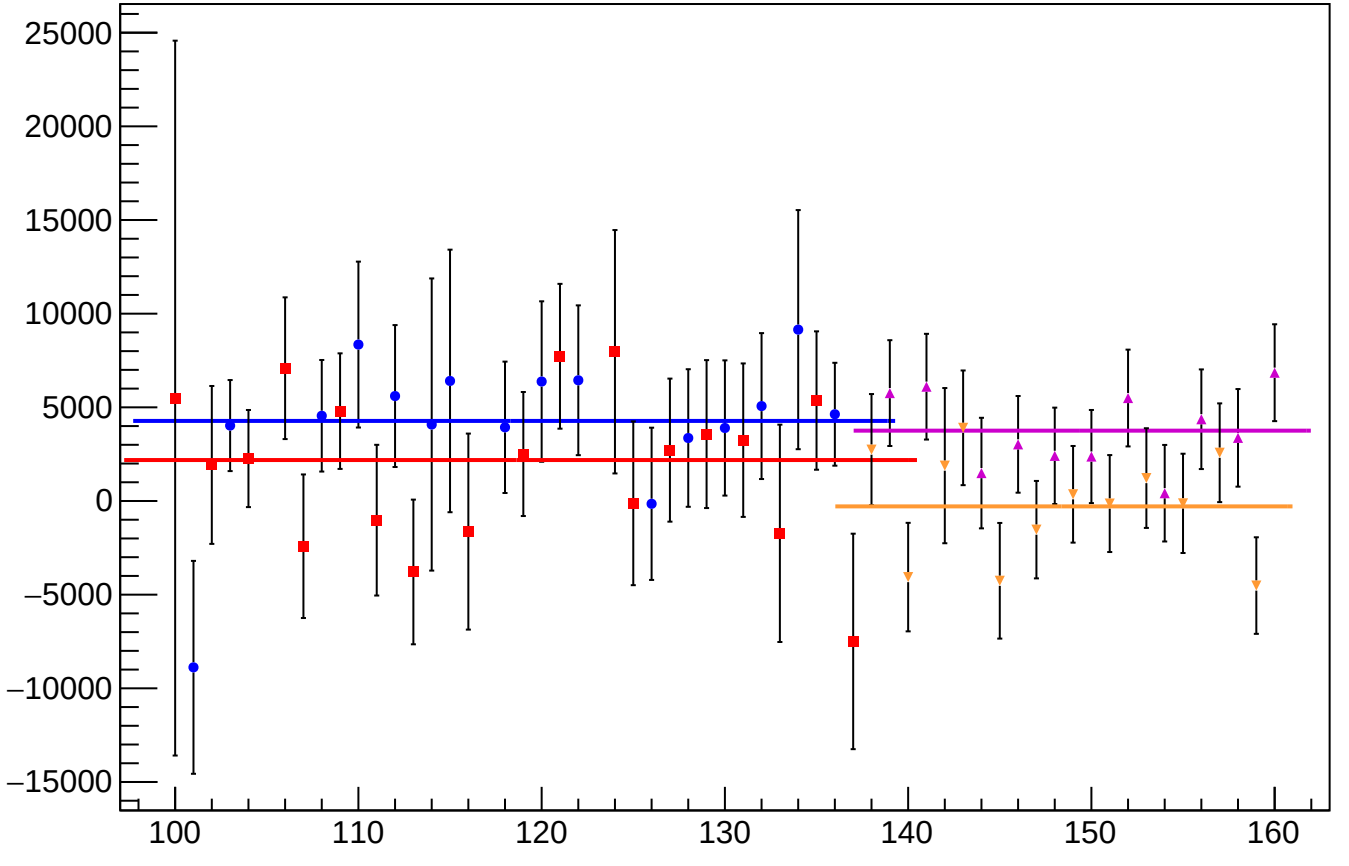
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3337592.7/26

Out: 0.000+/-0.000 χ^2/NDF:2282194.3/30

All: 0.000+/-0.000 χ^2/NDF: 5628489.8/57

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: 3755.199+/-798.743 χ^2/NDF:6.1/10

Left: 1759.299+/-568.363 χ^2/NDF: 29.8/22

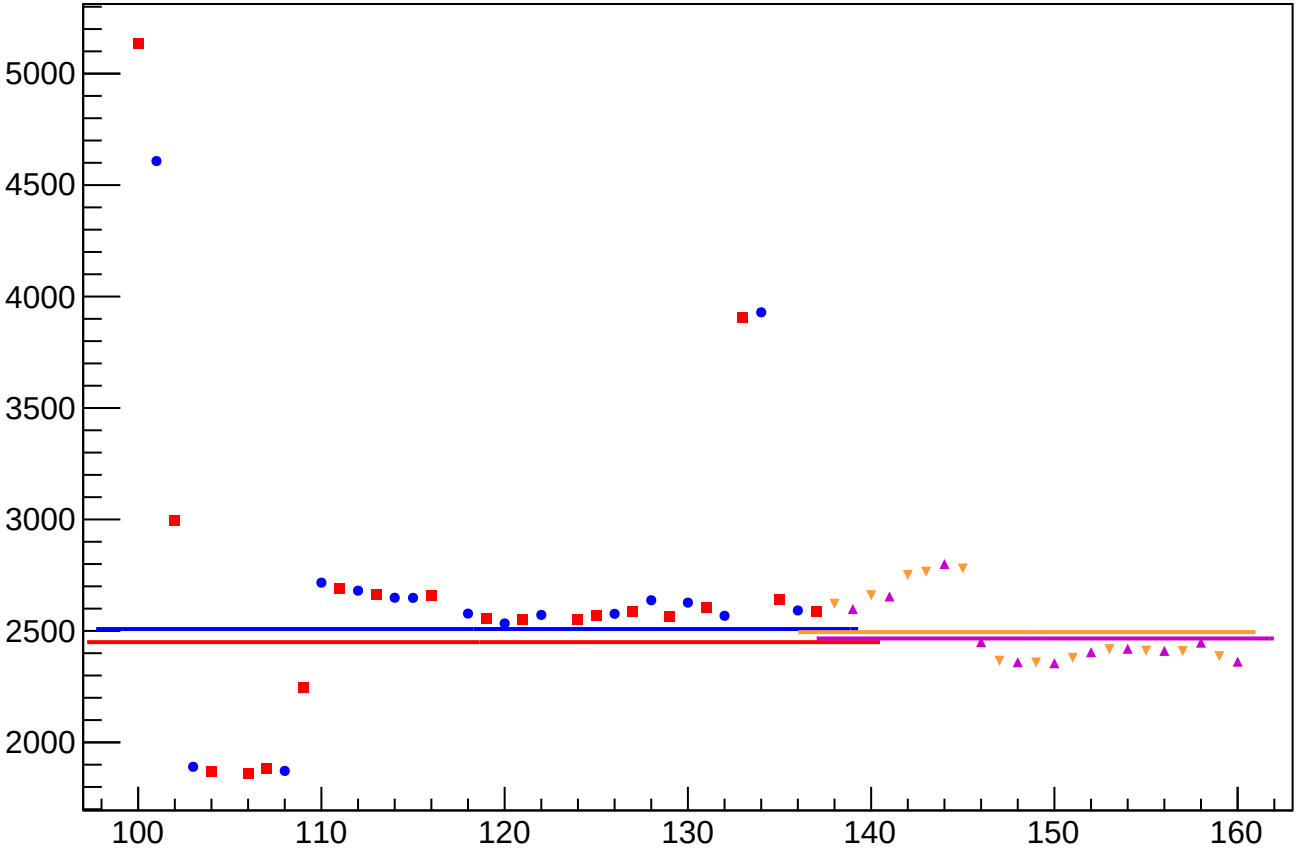
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3969.704+/-611.886 χ^2/NDF:15.1/26

Out: 788.152+/-608.097 χ^2/NDF:29.9/30

All: 2369.047+/-431.323 χ^2/NDF: 58.7/57

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: 2466.120+/-0.565 χ^2/NDF:52367.4/10

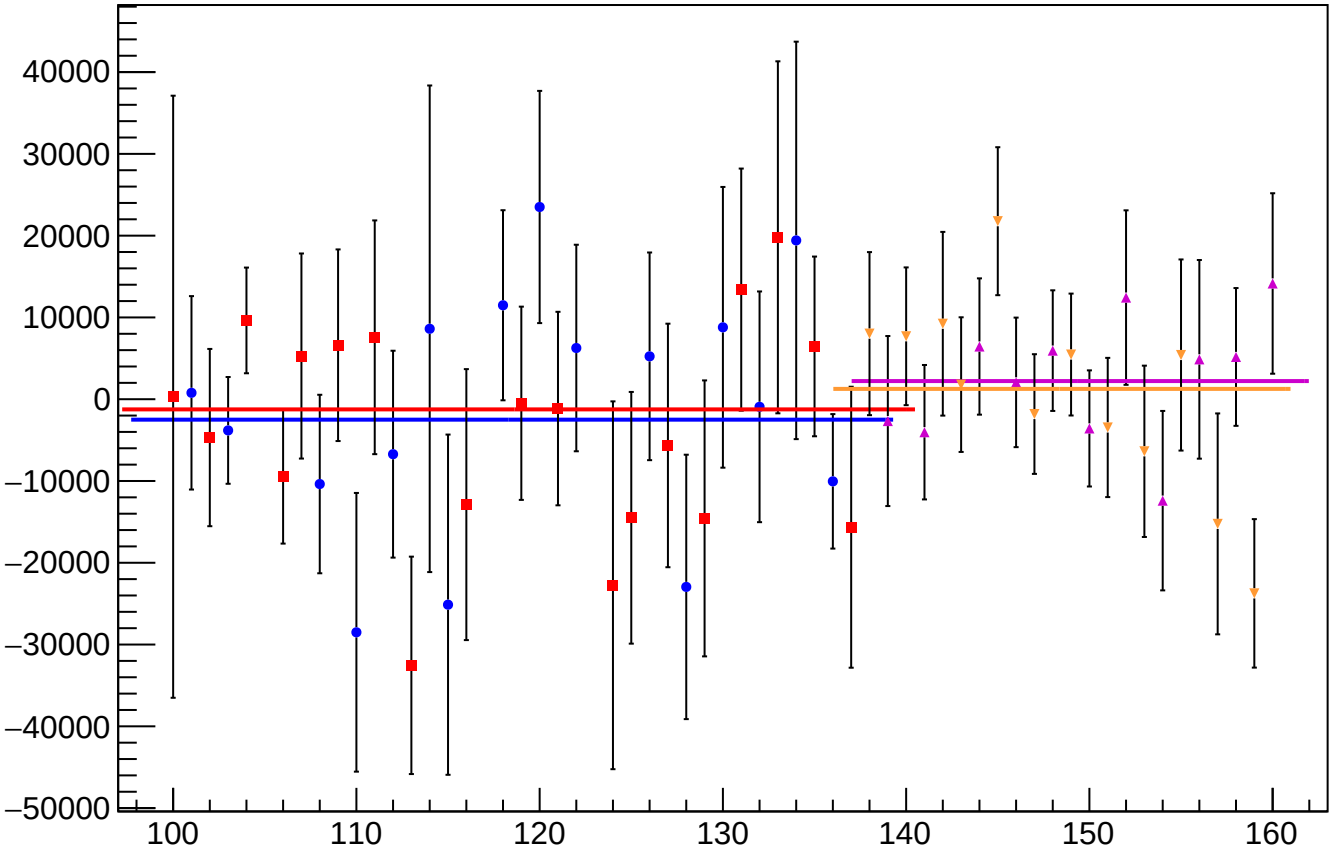
Left: 2480.206+/-0.402 χ^2/NDF: 127822.4/22

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2483.616+/-0.433 χ^2/NDF:666279.5/26

Out: 2475.070+/-0.430 χ^2/NDF:513791.5/30

All: 2479.316+/-0.305 χ^2/NDF: 1180267.3/57



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: 2217.719+/-2684.274 χ^2/NDF:6.0/10

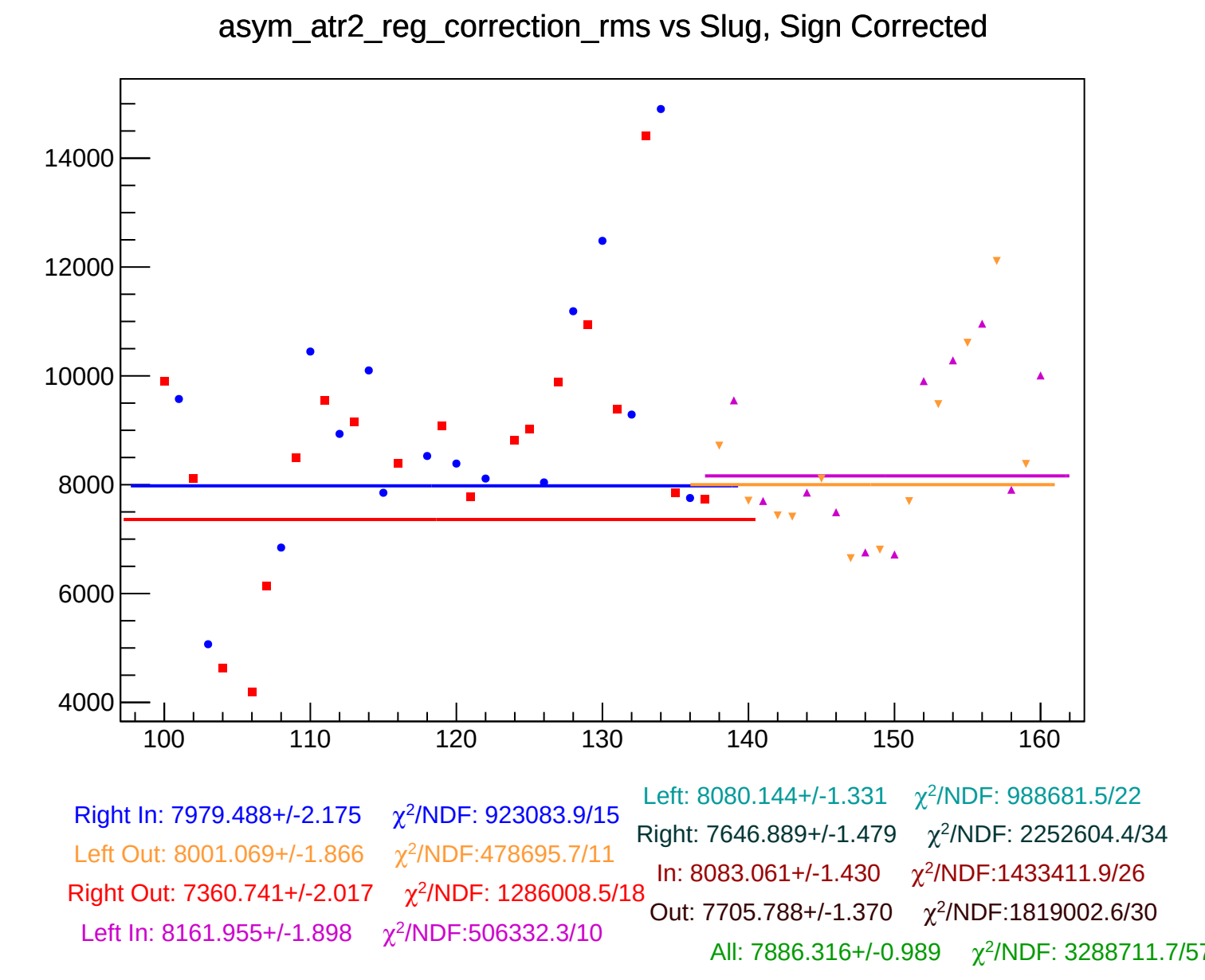
Left: 1731.617+/-1881.860 χ^2/NDF: 23.3/22

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

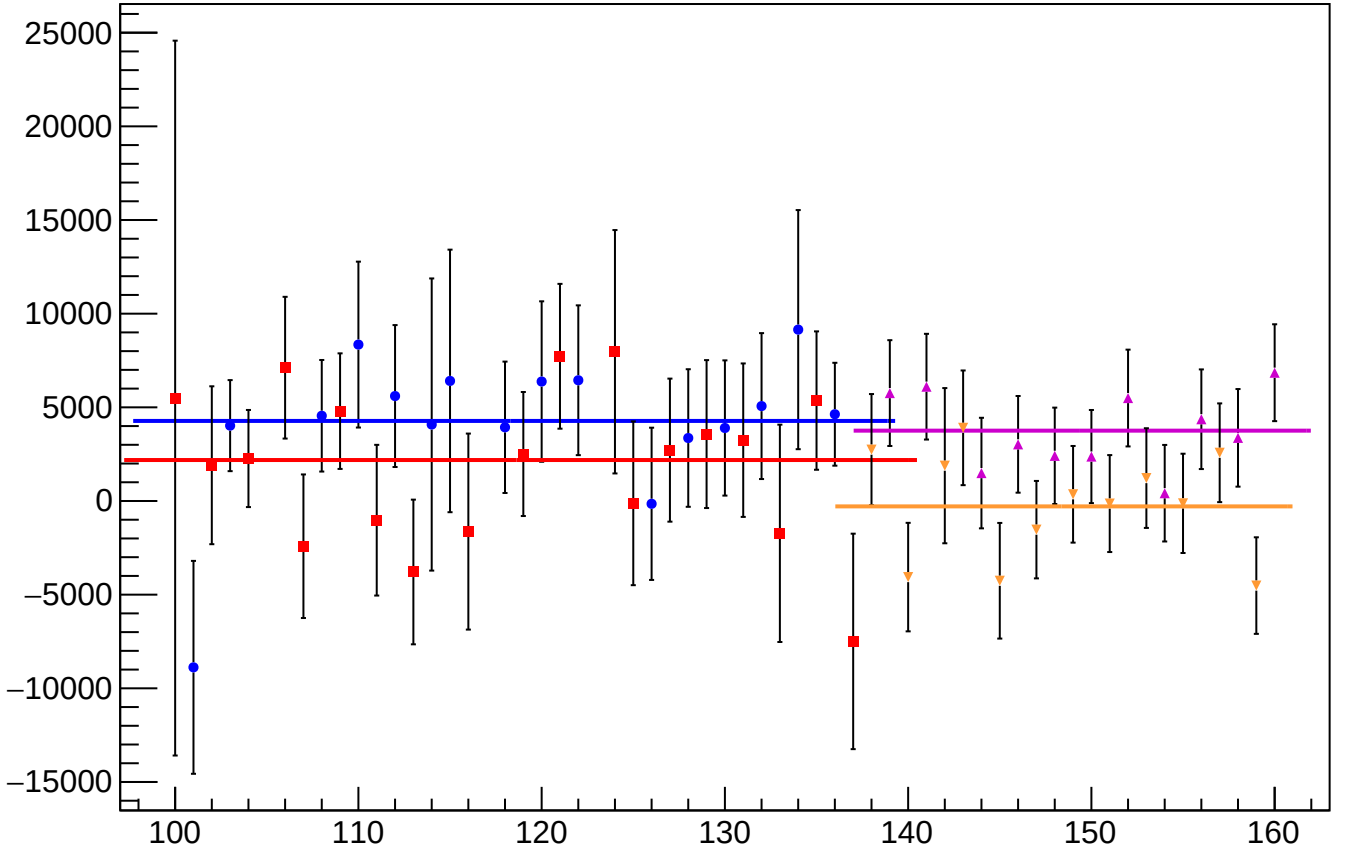
In: 177.633+/-2022.355 χ^2/NDF:21.1/26

Out: 106.098+/-1937.218 χ^2/NDF:34.2/30

All: 140.328+/-1398.950 χ^2/NDF: 55.3/57


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8001.069+/-1.866 χ²/NDF:478695.7/11
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8161.955+/-1.898 χ²/NDF:506332.3/10
Left: 8080.144+/-1.331 χ²/NDF: 988681.5/22
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8083.061+/-1.430 χ²/NDF:1433411.9/26
Out: 7705.788+/-1.370 χ²/NDF:1819002.6/30
All: 7886.316+/-0.989 χ²/NDF: 3288711.7/57

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: 3755.262+/-798.743 χ^2/NDF:6.1/10

Left: 1759.196+/-568.363 χ^2/NDF: 29.8/22

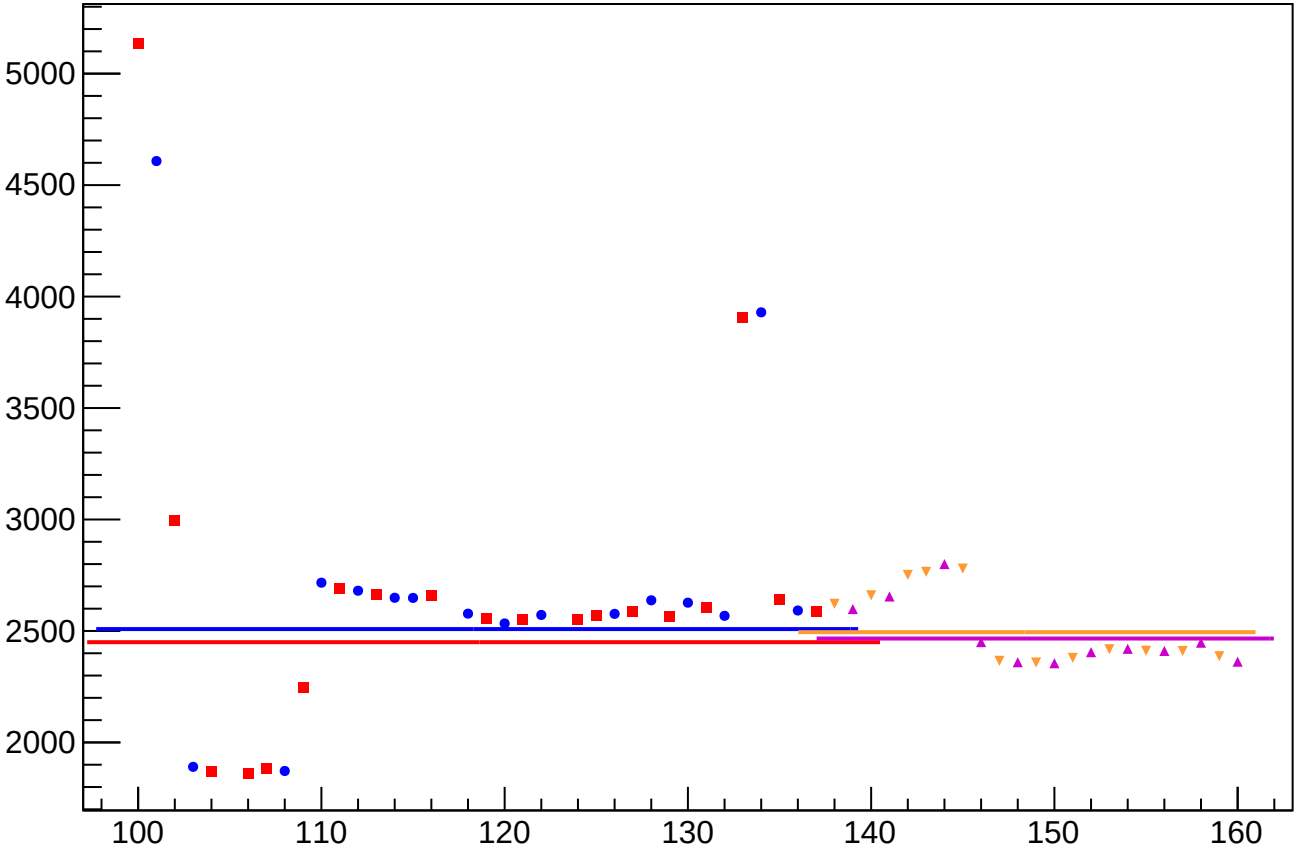
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3969.539+/-611.886 χ^2/NDF:15.1/26

Out: 788.259+/-608.099 χ^2/NDF:29.9/30

All: 2369.024+/-431.324 χ^2/NDF: 58.7/57

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: 2466.120+/-0.565 χ^2/NDF:52367.3/10

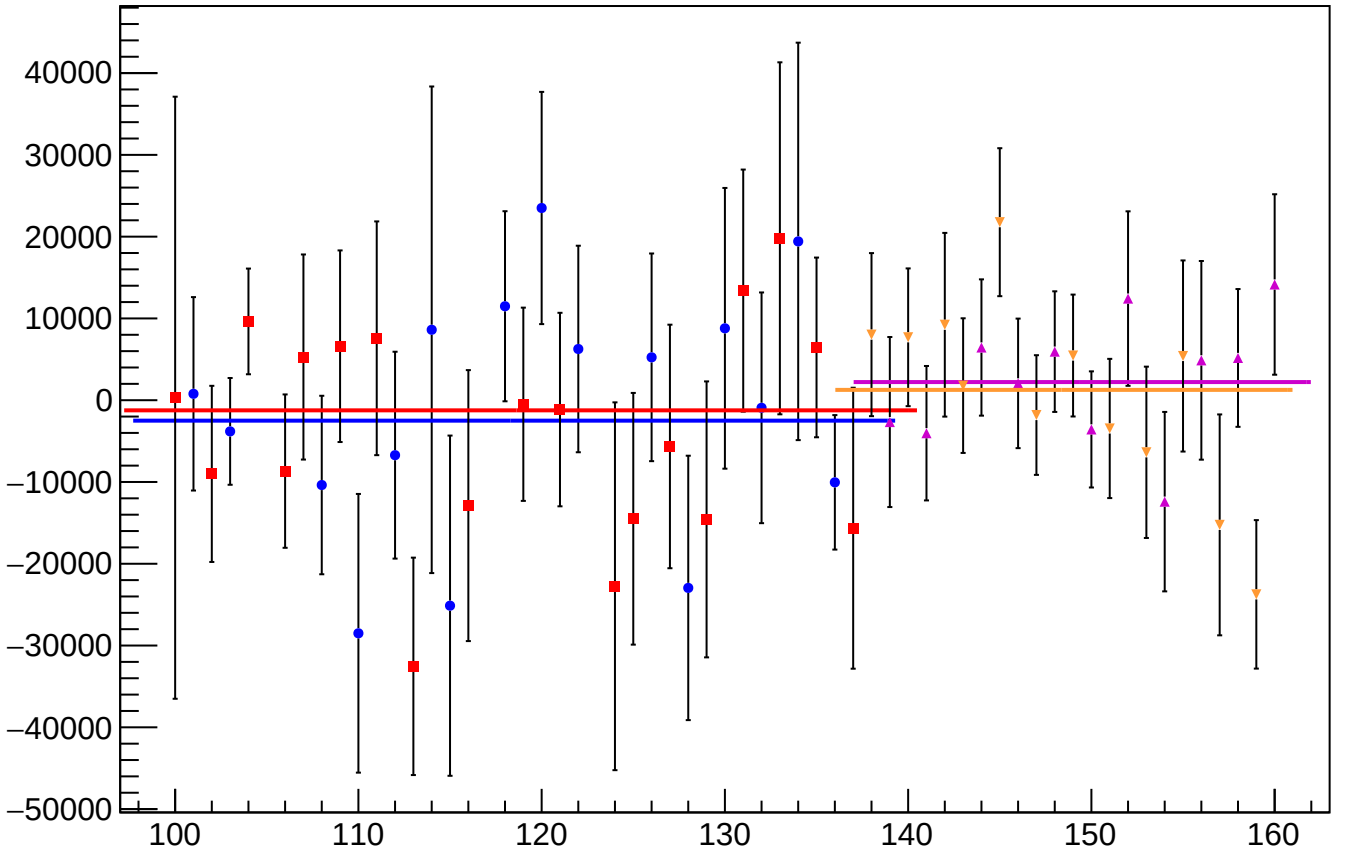
Left: 2480.206+/-0.402 χ^2/NDF: 127822.4/22

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2483.616+/-0.433 χ^2/NDF:666277.4/26

Out: 2475.081+/-0.430 χ^2/NDF:513734.2/30

All: 2479.322+/-0.305 χ^2/NDF: 1180207.4/57



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: 2217.859+/-2684.274 χ^2/NDF:6.0/10

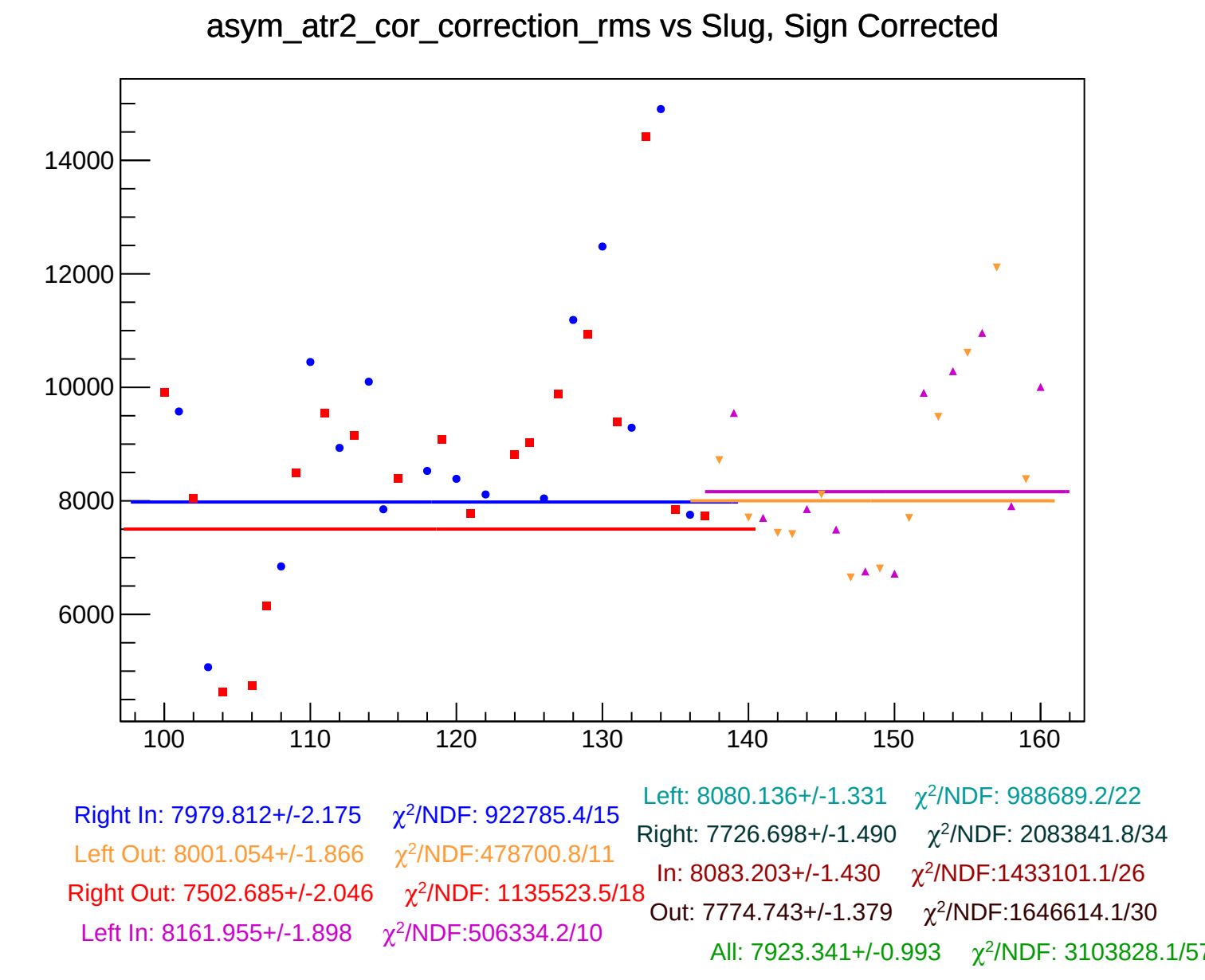
Left: 1731.654+/-1881.858 χ^2/NDF: 23.3/22

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

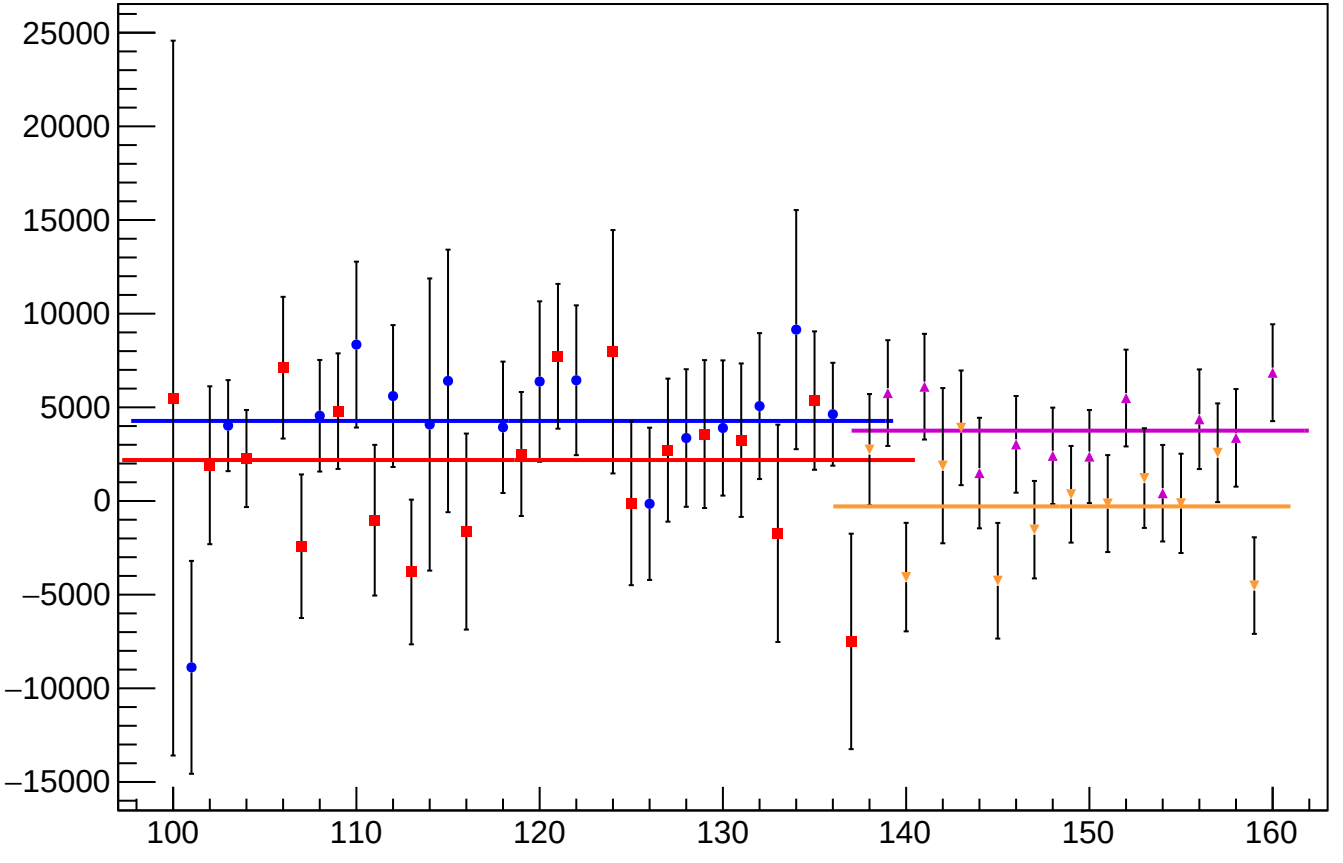
In: 177.875+/-2022.380 χ^2/NDF:21.1/26

Out: 125.724+/-1949.823 χ^2/NDF:34.3/30

All: 150.847+/-1403.683 χ^2/NDF: 55.4/57


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8001.054+/-1.866 χ²/NDF:478700.8/11
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8161.955+/-1.898 χ²/NDF:506334.2/10
Left: 8080.136+/-1.331 χ²/NDF: 988689.2/22
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8083.203+/-1.430 χ²/NDF:1433101.1/26
Out: 7774.743+/-1.379 χ²/NDF:1646614.1/30
All: 7923.341+/-0.993 χ²/NDF: 3103828.1/57

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: 3755.262+/-798.743 χ^2/NDF:6.1/10

Left: 1759.196+/-568.363 χ^2/NDF: 29.8/22

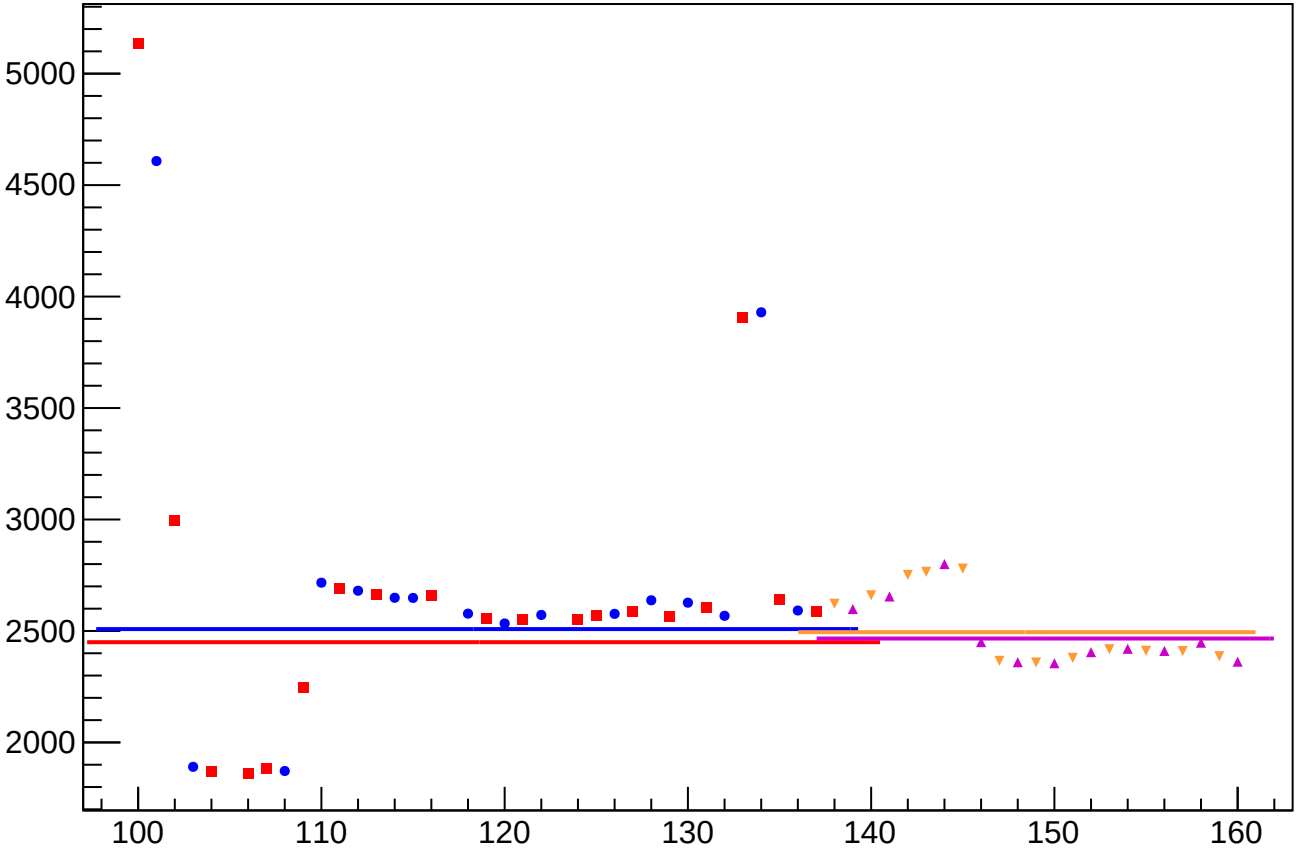
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3969.539+/-611.886 χ^2/NDF:15.1/26

Out: 788.259+/-608.099 χ^2/NDF:29.9/30

All: 2369.024+/-431.324 χ^2/NDF: 58.7/57

eigen_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: 2466.120+/-0.565 χ^2/NDF:52367.3/10

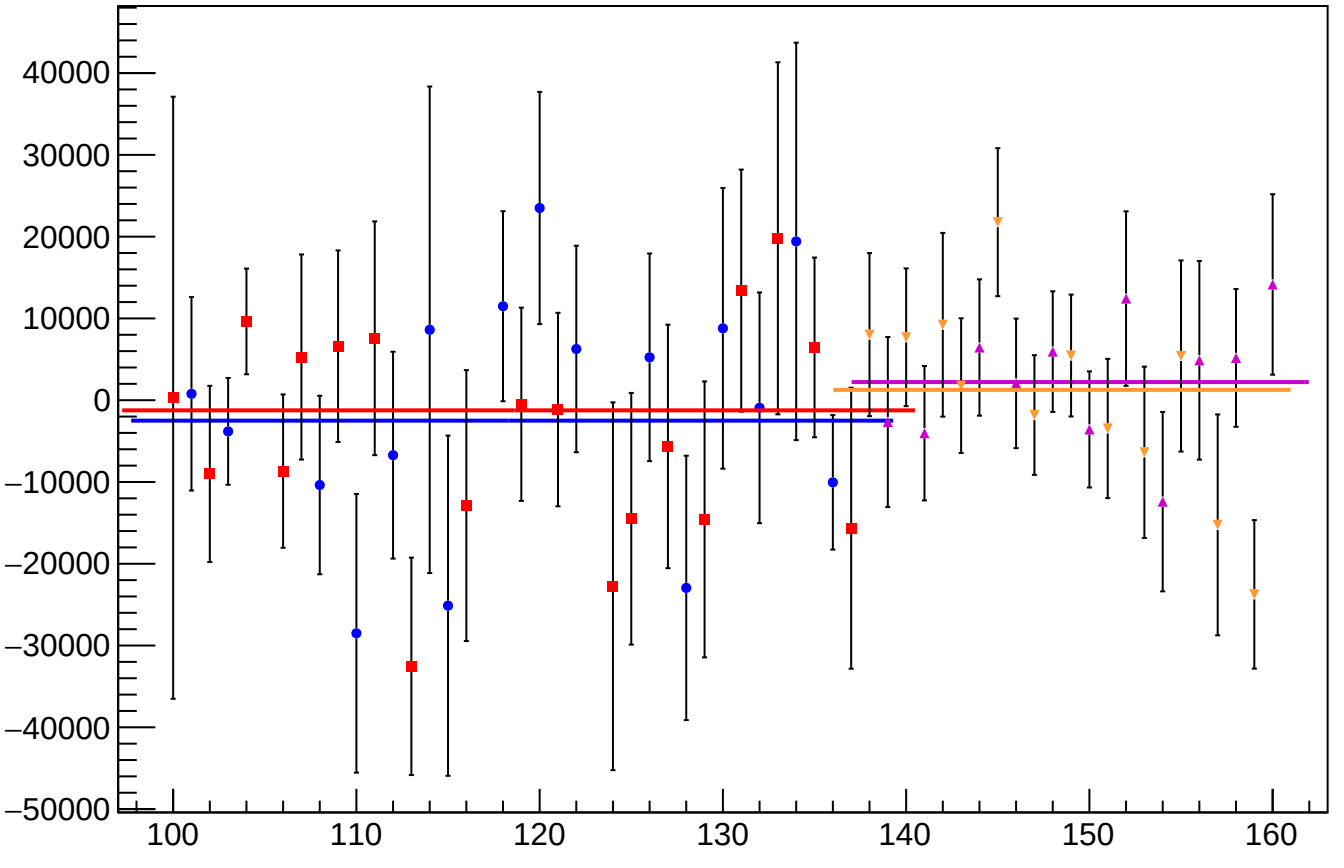
Left: 2480.206+/-0.402 χ^2/NDF: 127822.4/22

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2483.616+/-0.433 χ^2/NDF:666277.4/26

Out: 2475.081+/-0.430 χ^2/NDF:513734.2/30

All: 2479.322+/-0.305 χ^2/NDF: 1180207.4/57



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: 2217.859+/-2684.274 χ^2/NDF:6.0/10

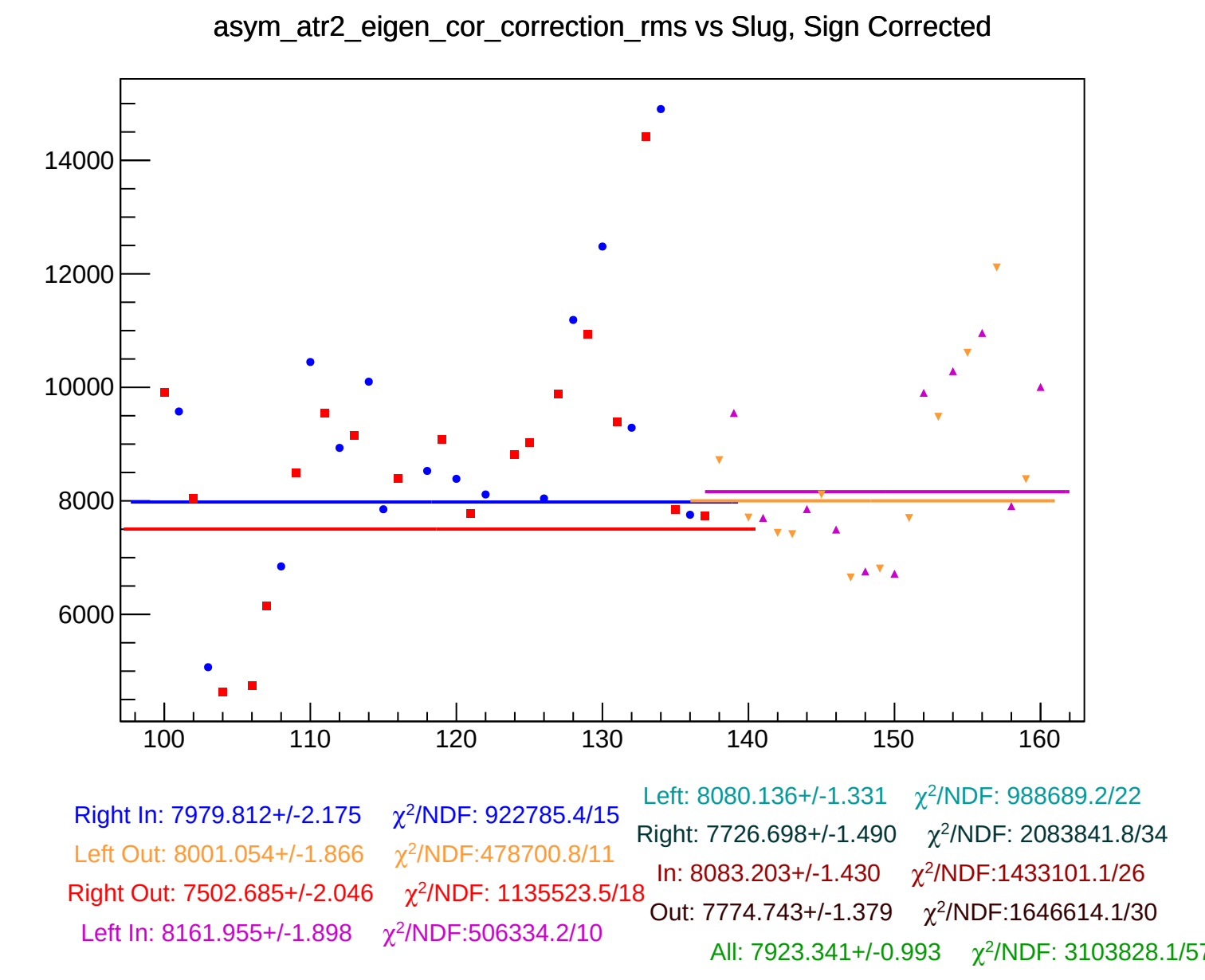
Left: 1731.654+/-1881.858 χ^2/NDF: 23.3/22

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

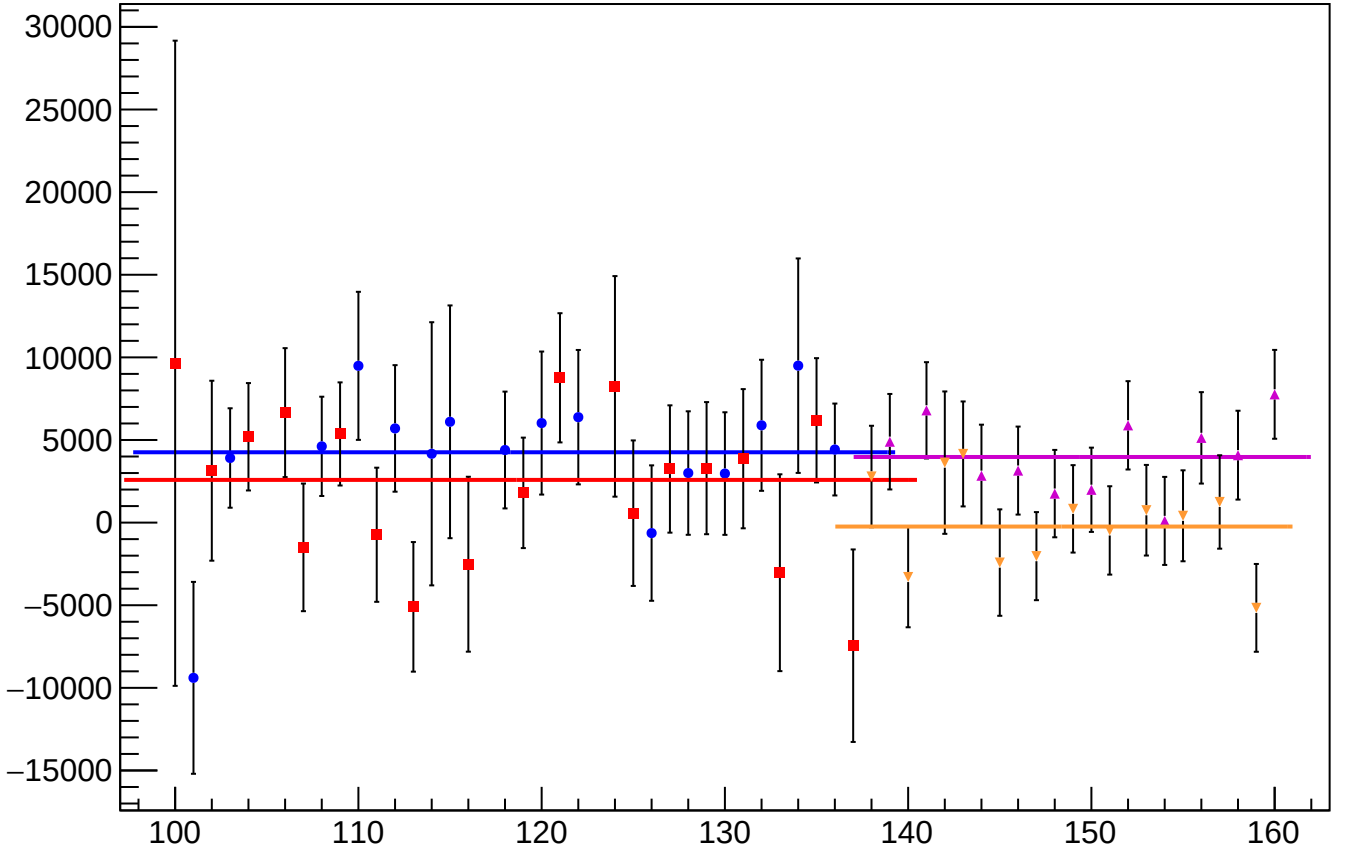
In: 177.875+/-2022.380 χ^2/NDF:21.1/26

Out: 125.724+/-1949.823 χ^2/NDF:34.3/30

All: 150.847+/-1403.683 χ^2/NDF: 55.4/57


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8001.054+/-1.866 χ²/NDF:478700.8/11
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8161.955+/-1.898 χ²/NDF:506334.2/10
Left: 8080.136+/-1.331 χ²/NDF: 988689.2/22
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8083.203+/-1.430 χ²/NDF:1433101.1/26
Out: 7774.743+/-1.379 χ²/NDF:1646614.1/30
All: 7923.341+/-0.993 χ²/NDF: 3103828.1/57

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: 3971.876+/-825.253 χ^2/NDF:7.4/10

Left: 1902.708+/-588.518 χ^2/NDF: 29.8/22

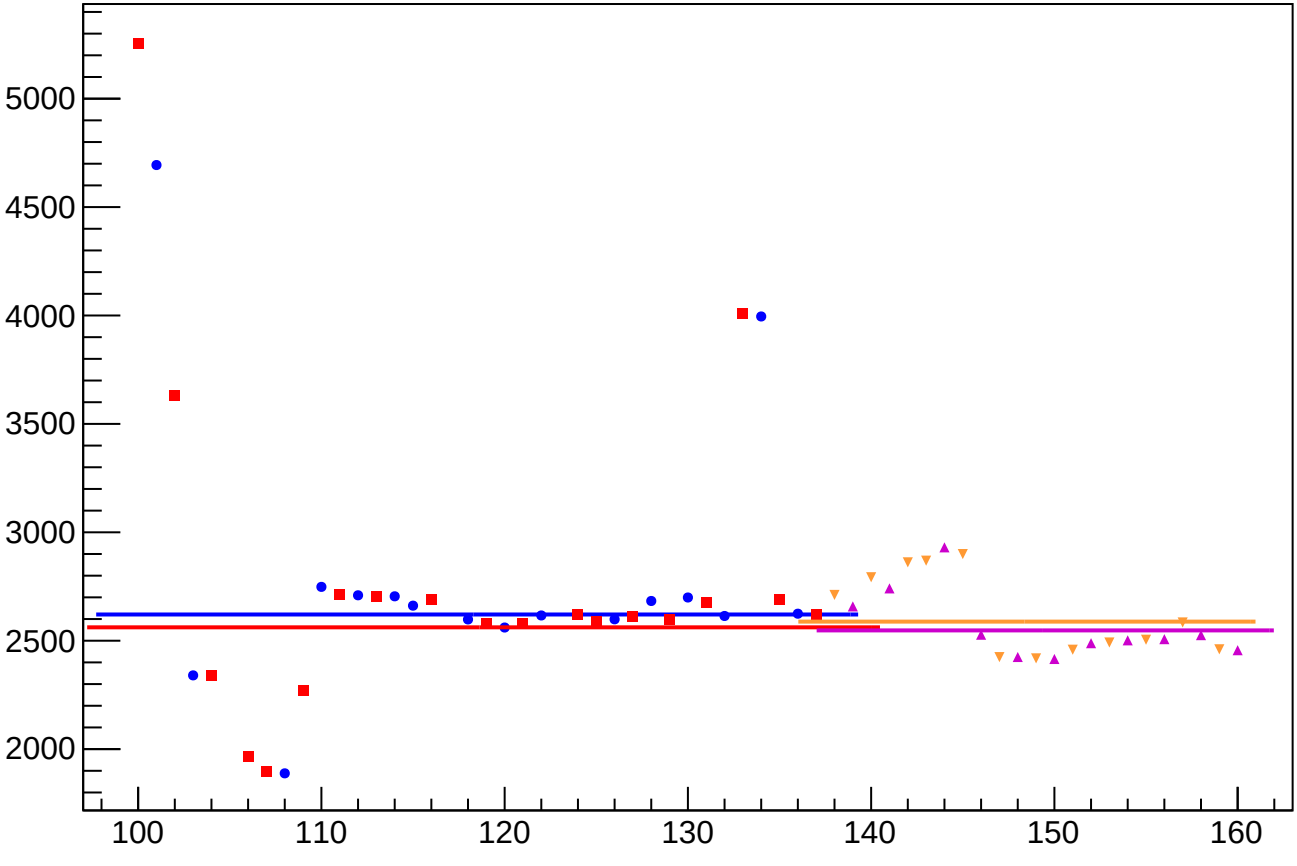
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4088.687+/-634.039 χ^2/NDF:17.5/26

Out: 976.161+/-633.673 χ^2/NDF:32.2/30

All: 2531.523+/-448.204 χ^2/NDF: 61.7/57

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: 2547.561+/-0.584 χ^2/NDF:56732.1/10

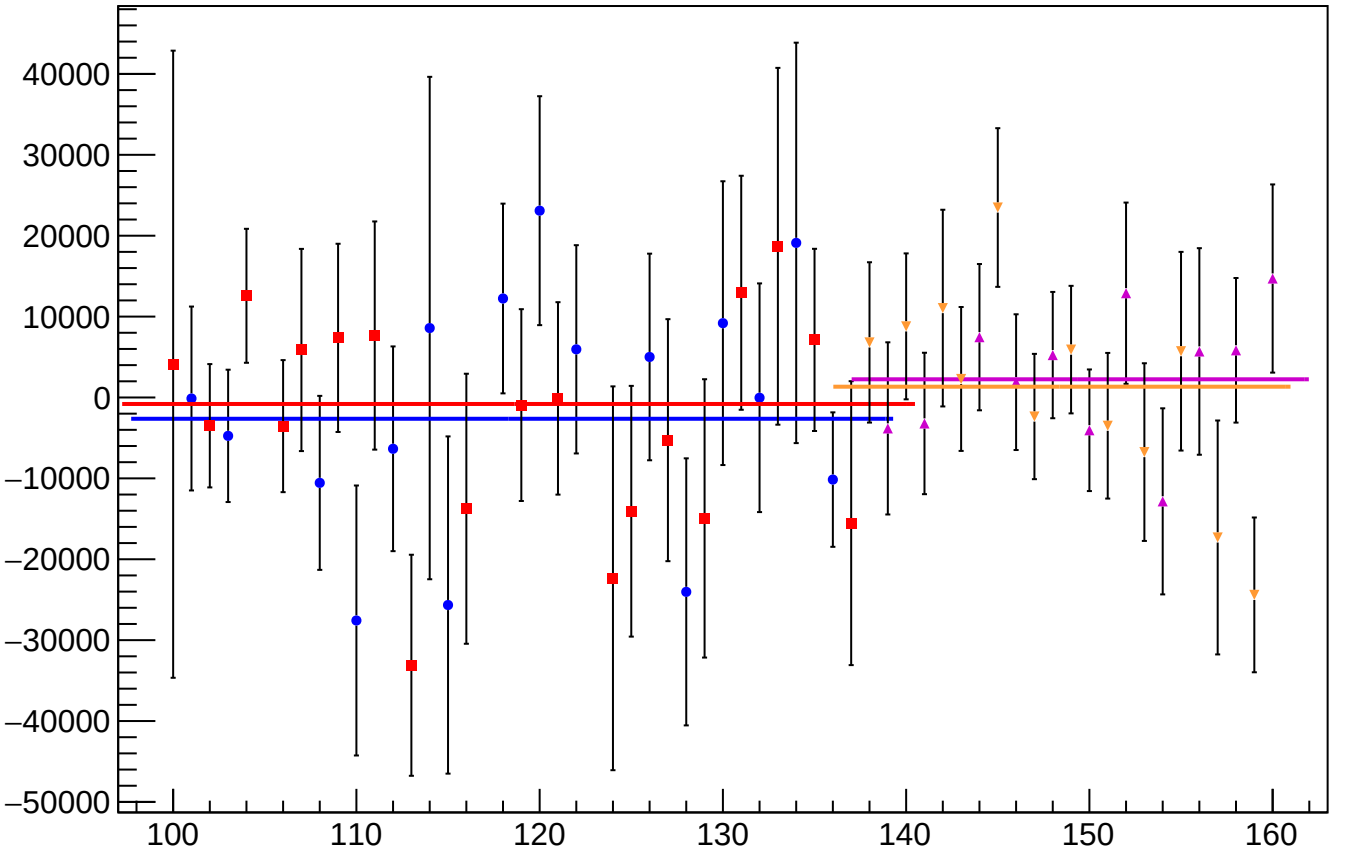
Left: 2567.485+/-0.416 χ^2/NDF: 143183.8/22

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2577.636+/-0.448 χ^2/NDF:549129.1/26

Out: 2576.743+/-0.448 χ^2/NDF:463189.6/30

All: 2577.189+/-0.317 χ^2/NDF: 1012320.6/57



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: 2248.662+/-2839.674 χ^2/NDF:5.9/10

Left: 1783.445+/-1992.052 χ^2/NDF: 23.1/22

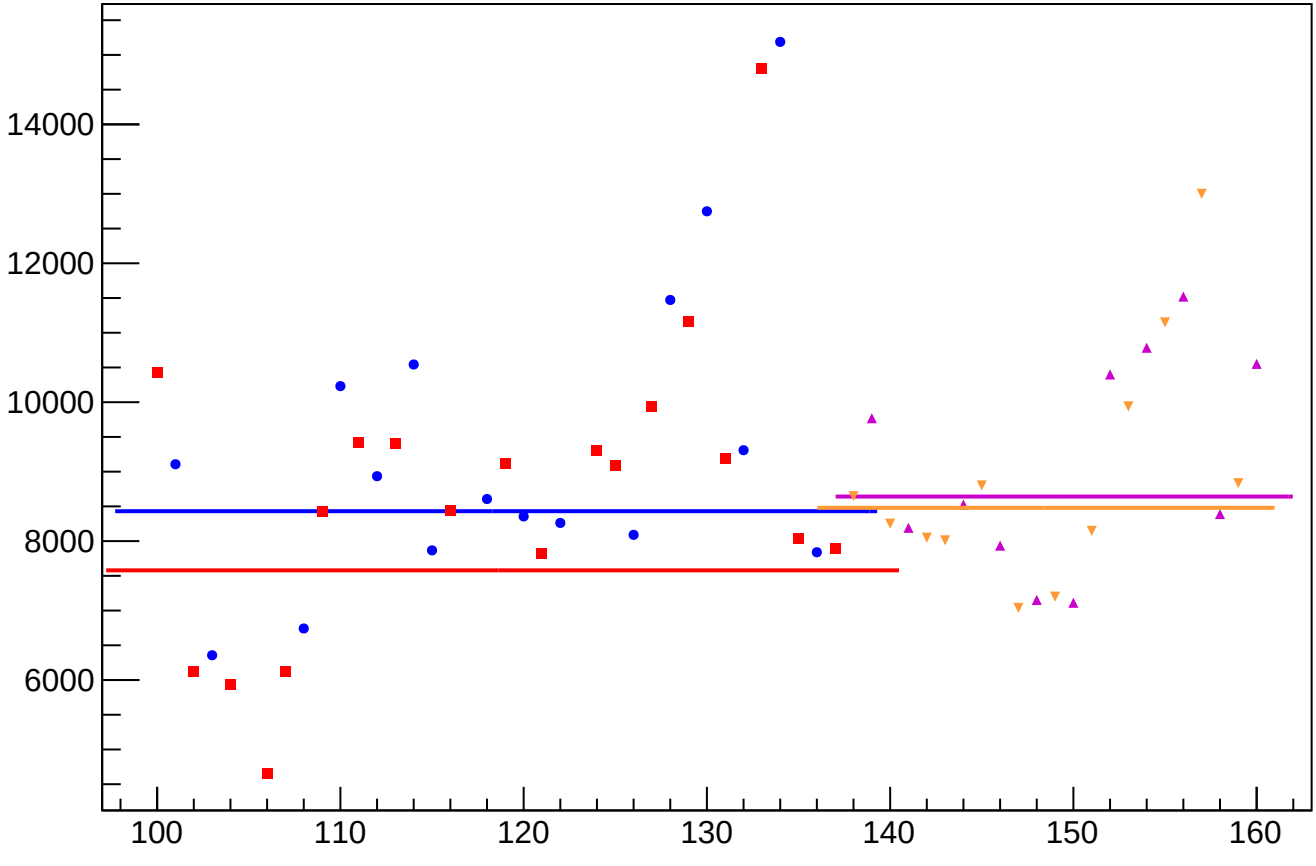
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: 107.144+/-2127.325 χ^2/NDF:21.0/26

Out: 294.171+/-2003.433 χ^2/NDF:32.8/30

All: 206.262+/-1458.474 χ^2/NDF: 53.8/57

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8479.649+/-1.977 χ^2/NDF:464831.6/11

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8641.546+/-2.008 χ^2/NDF:473561.2/10

Left: 8559.320+/-1.409 χ^2/NDF: 941694.5/22

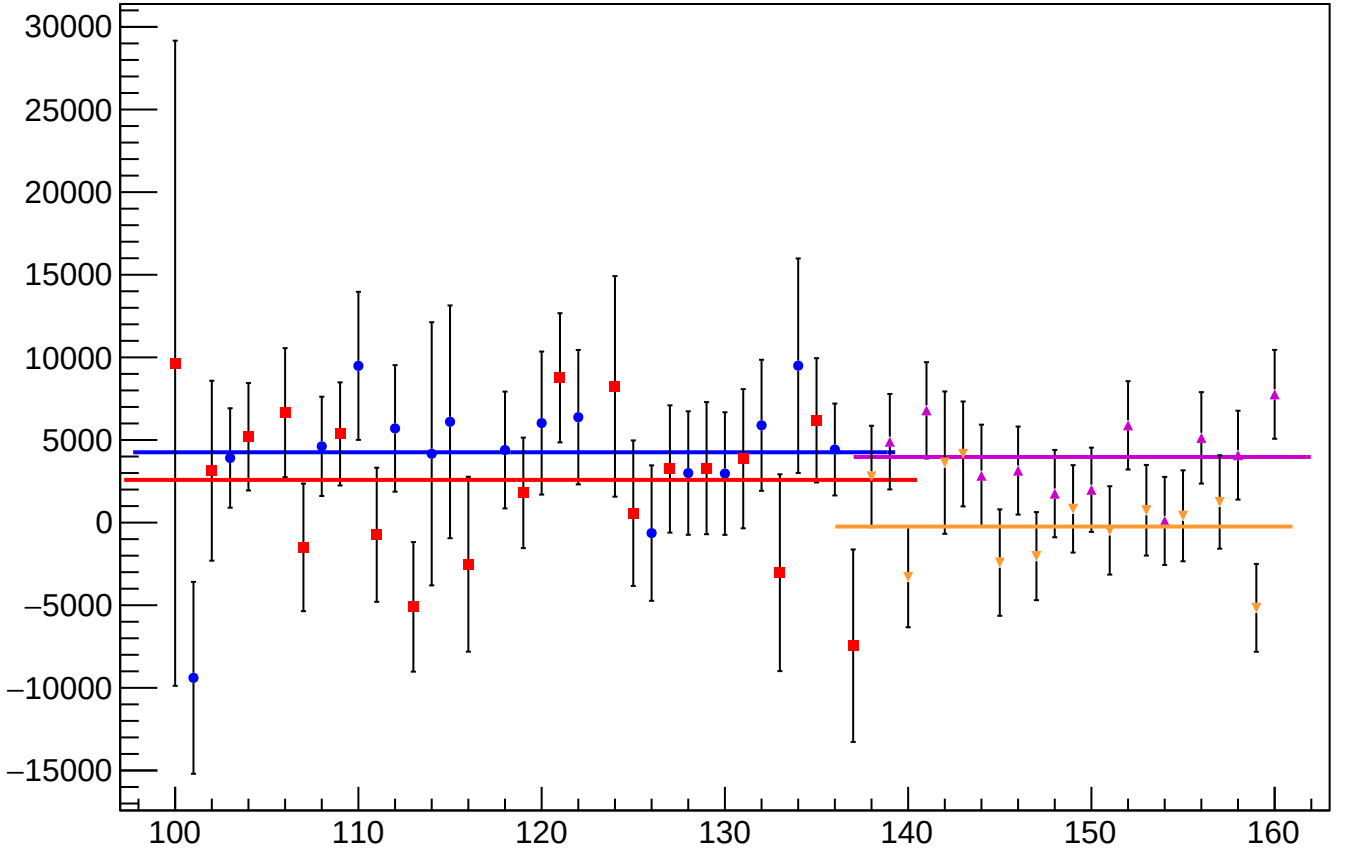
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8549.060+/-1.504 χ^2/NDF:1058691.2/26

Out: 8041.724+/-1.417 χ^2/NDF:1539906.3/30

All: 8280.189+/-1.031 χ^2/NDF: 2658881.4/57

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: 3971.877+/-825.253 χ^2/NDF:7.4/10

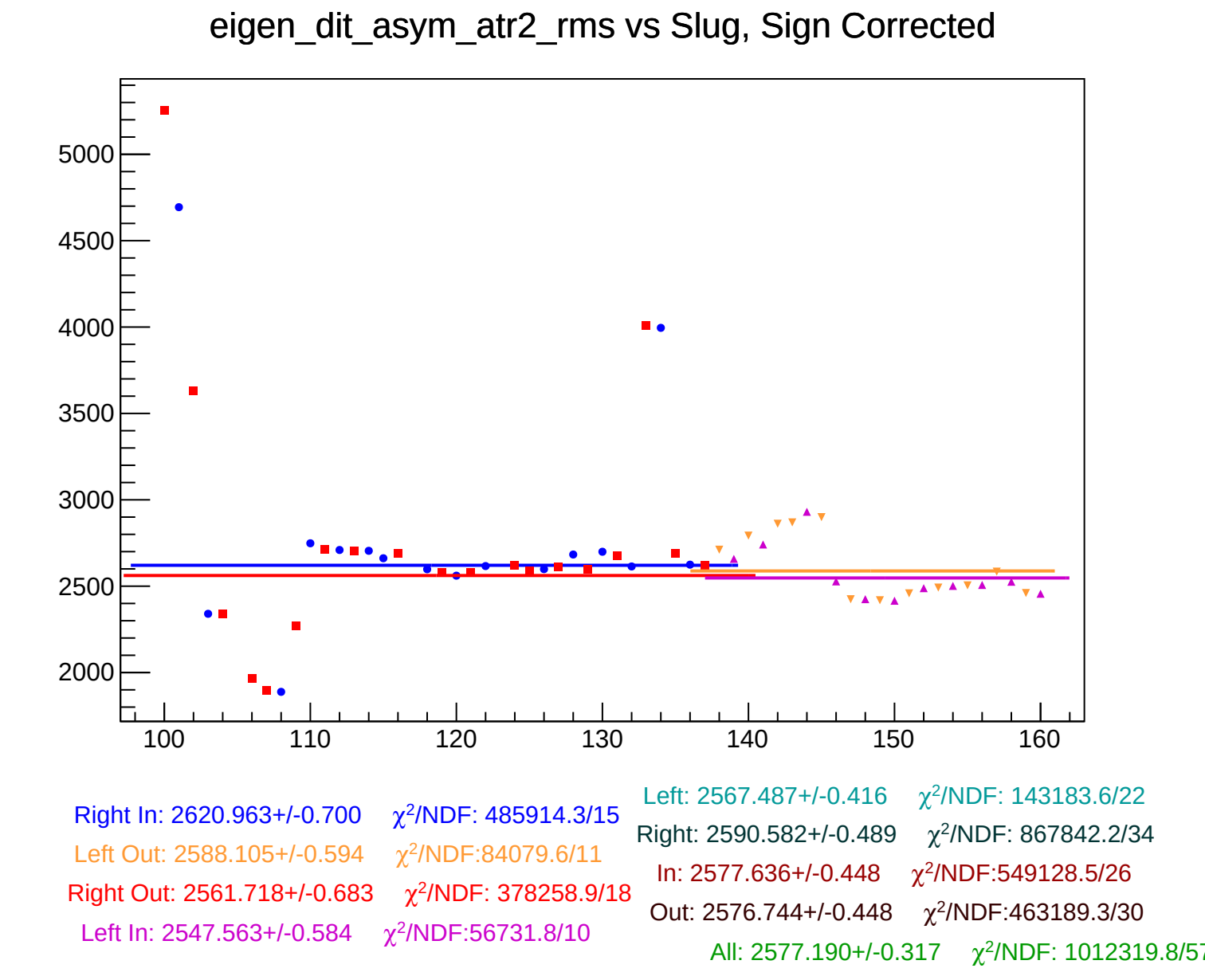
Left: 1902.701+/-588.519 χ^2/NDF: 29.8/22

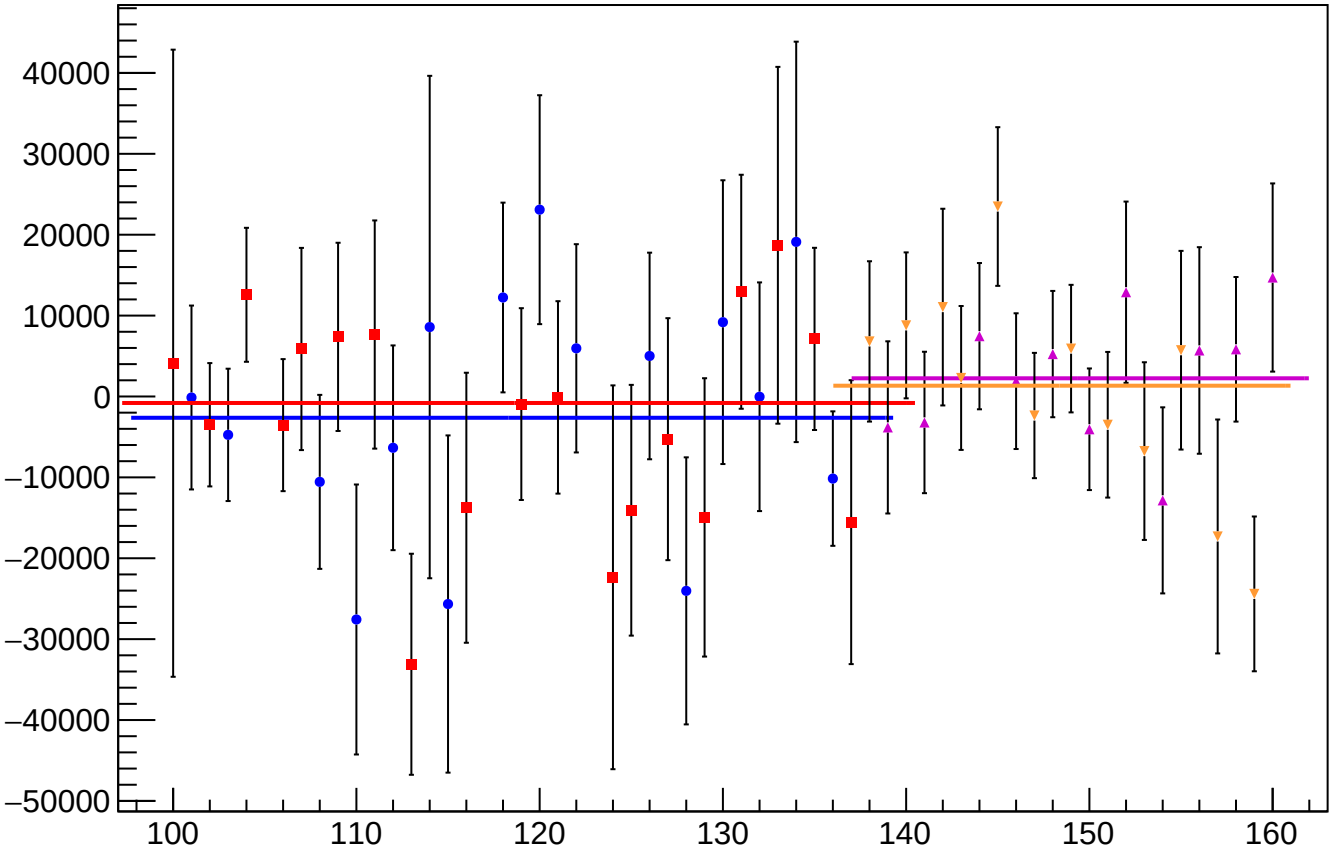
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4088.691+/-634.039 χ^2/NDF:17.5/26

Out: 976.158+/-633.673 χ^2/NDF:32.2/30

All: 2531.524+/-448.204 χ^2/NDF: 61.7/57


eigen_dit_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 2620.963+/-0.700 χ²/NDF: 485914.3/15
Left Out: 2588.105+/-0.594 χ²/NDF:84079.6/11
Right Out: 2561.718+/-0.683 χ²/NDF: 378258.9/18
Left In: 2547.563+/-0.584 χ²/NDF:56731.8/10
Left: 2567.487+/-0.416 χ²/NDF: 143183.6/22
Right: 2590.582+/-0.489 χ²/NDF: 867842.2/34
In: 2577.636+/-0.448 χ²/NDF:549128.5/26
Out: 2576.744+/-0.448 χ²/NDF:463189.3/30
All: 2577.190+/-0.317 χ²/NDF: 1012319.8/57



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: 2248.659+/-2839.677 χ^2/NDF:5.9/10

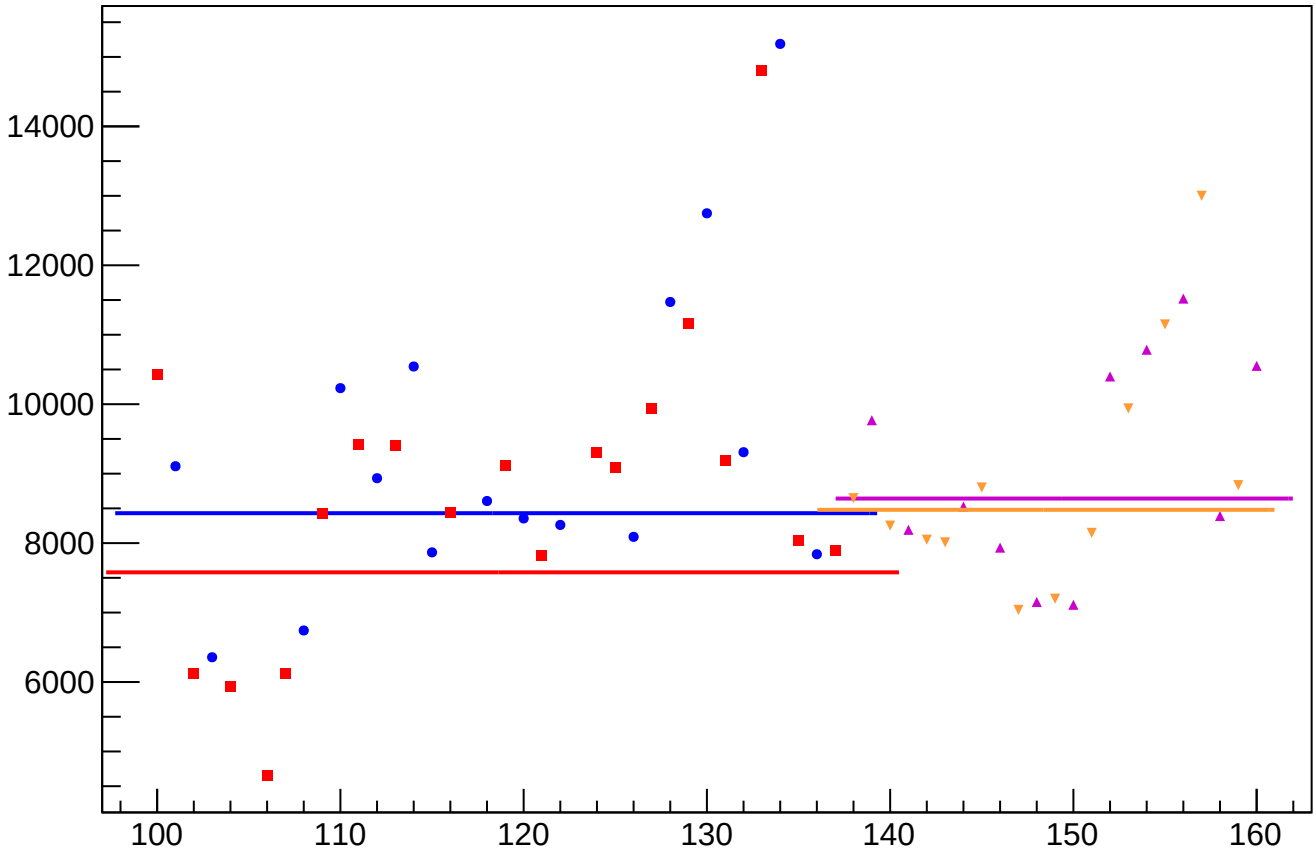
Left: 1783.440+/-1992.055 χ^2/NDF: 23.1/22

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 107.151+/-2127.325 χ^2/NDF:21.0/26

Out: 294.165+/-2003.433 χ^2/NDF:32.8/30

All: 206.262+/-1458.474 χ^2/NDF: 53.8/57



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: 8641.558+/-2.008 χ^2/NDF:473558.8/10

Left: 8559.332+/-1.409 χ^2/NDF: 941690.5/22

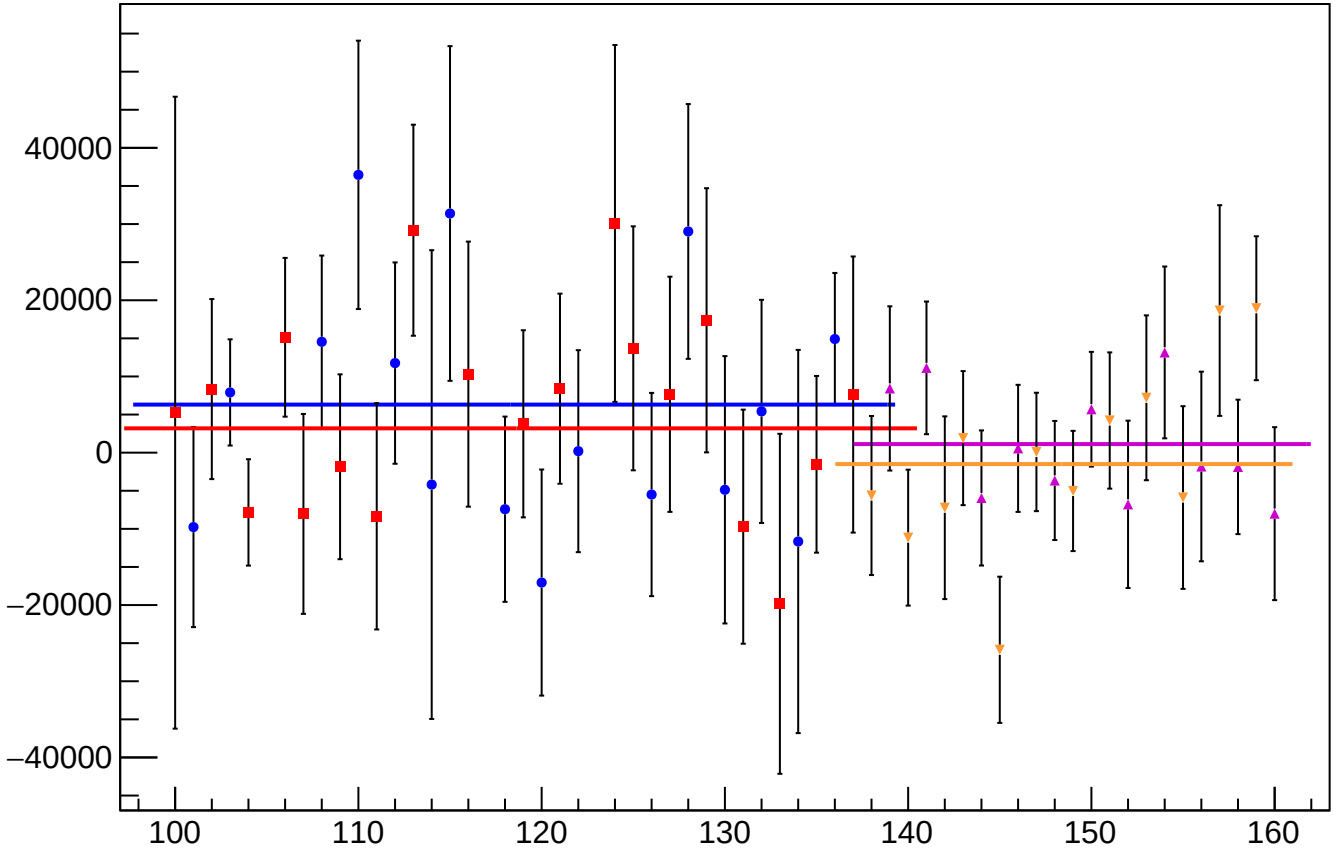
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8549.062+/-1.504 χ^2/NDF:1058684.1/26

Out: 8041.723+/-1.417 χ^2/NDF:1539906.4/30

All: 8280.190+/-1.031 χ^2/NDF: 2658875.1/57

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: 1126.049+/-2815.316 χ^2/NDF:5.6/10

Left: -205.027+/-1977.365 χ^2/NDF: 22.5/22

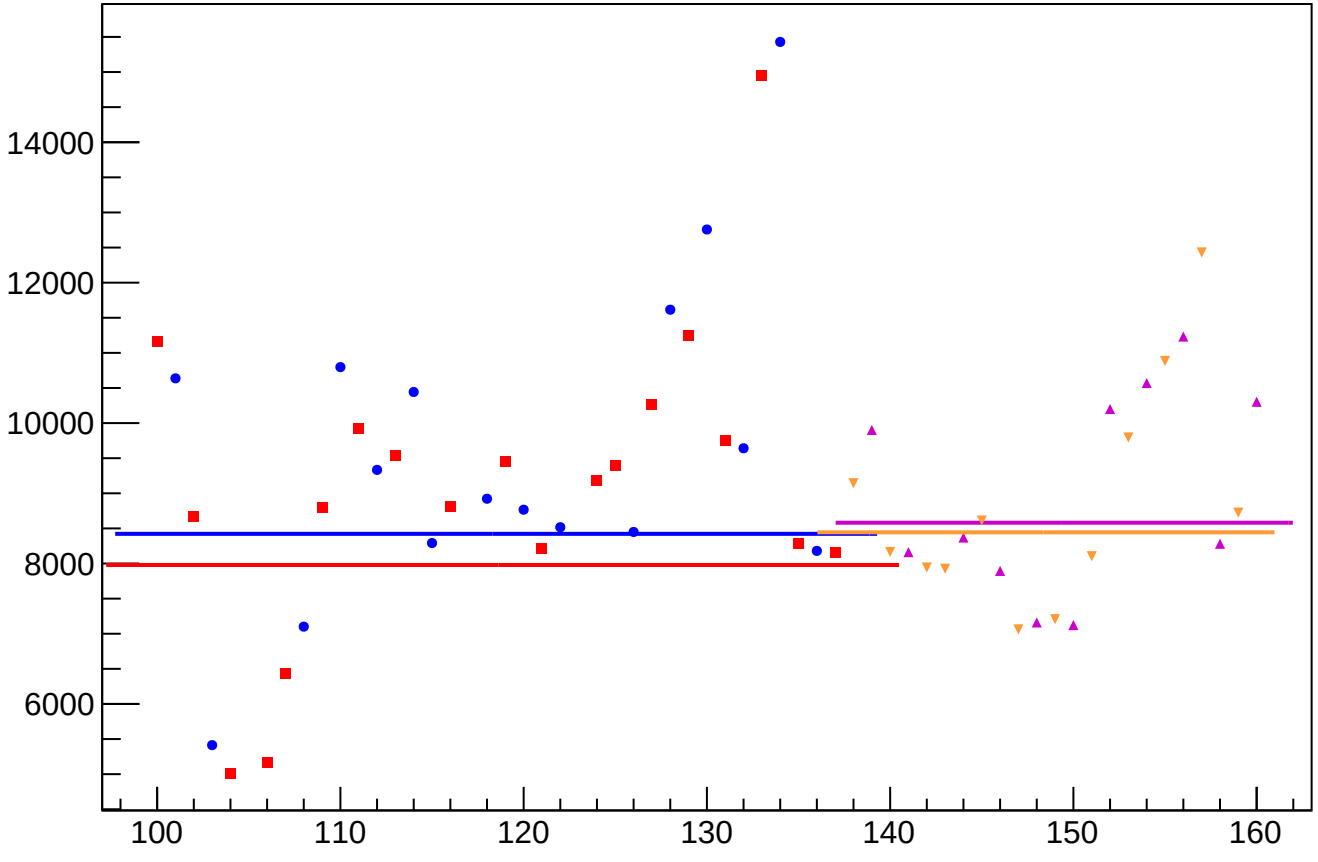
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3355.189+/-2125.043 χ^2/NDF:22.2/26

Out: 611.525+/-2059.406 χ^2/NDF:31.6/30

All: 1940.331+/-1478.880 χ^2/NDF: 54.6/57

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: 8581.181+/-1.991 χ^2/NDF:435369.9/10

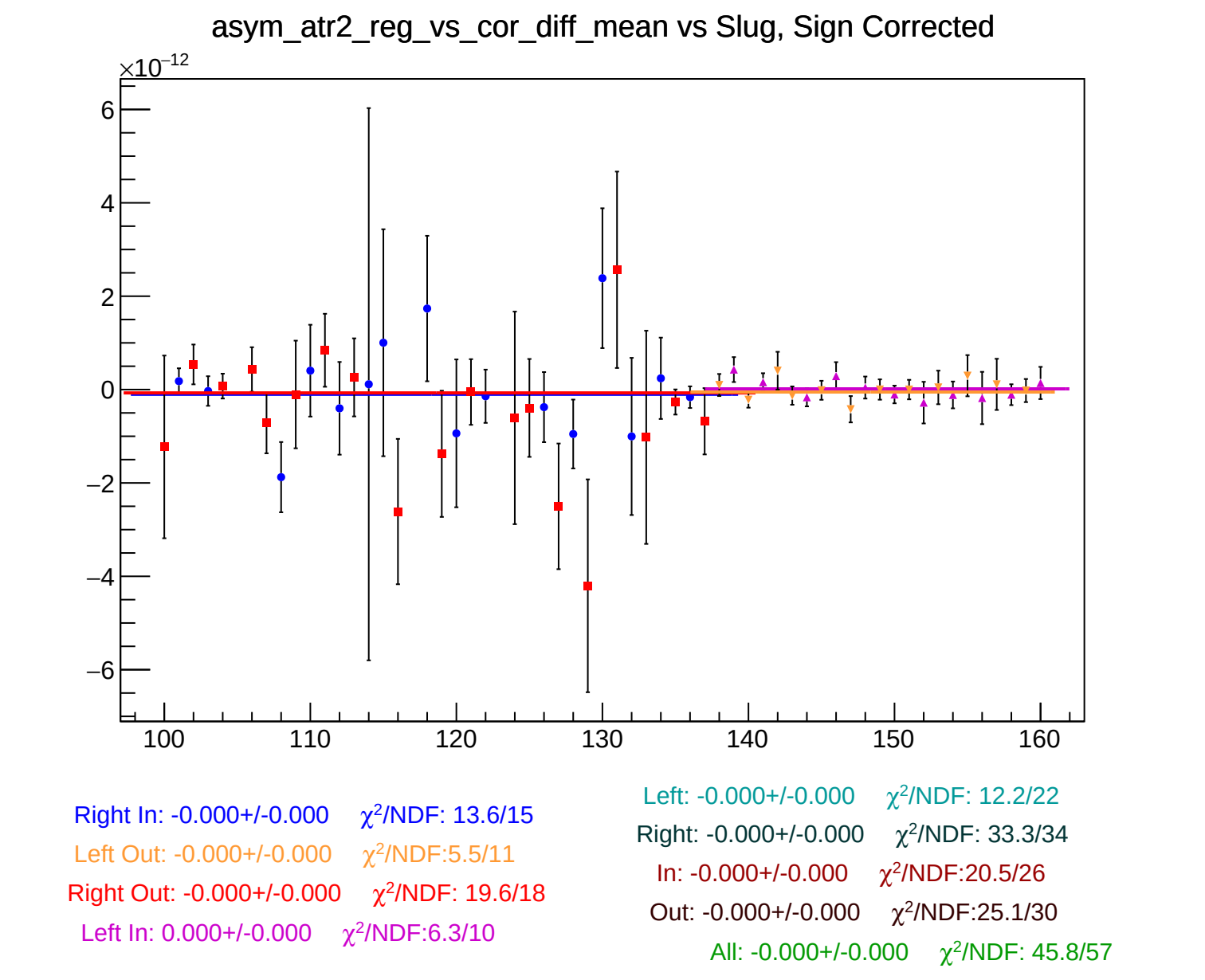
Left: 8511.821+/-1.398 χ^2/NDF: 857291.8/22

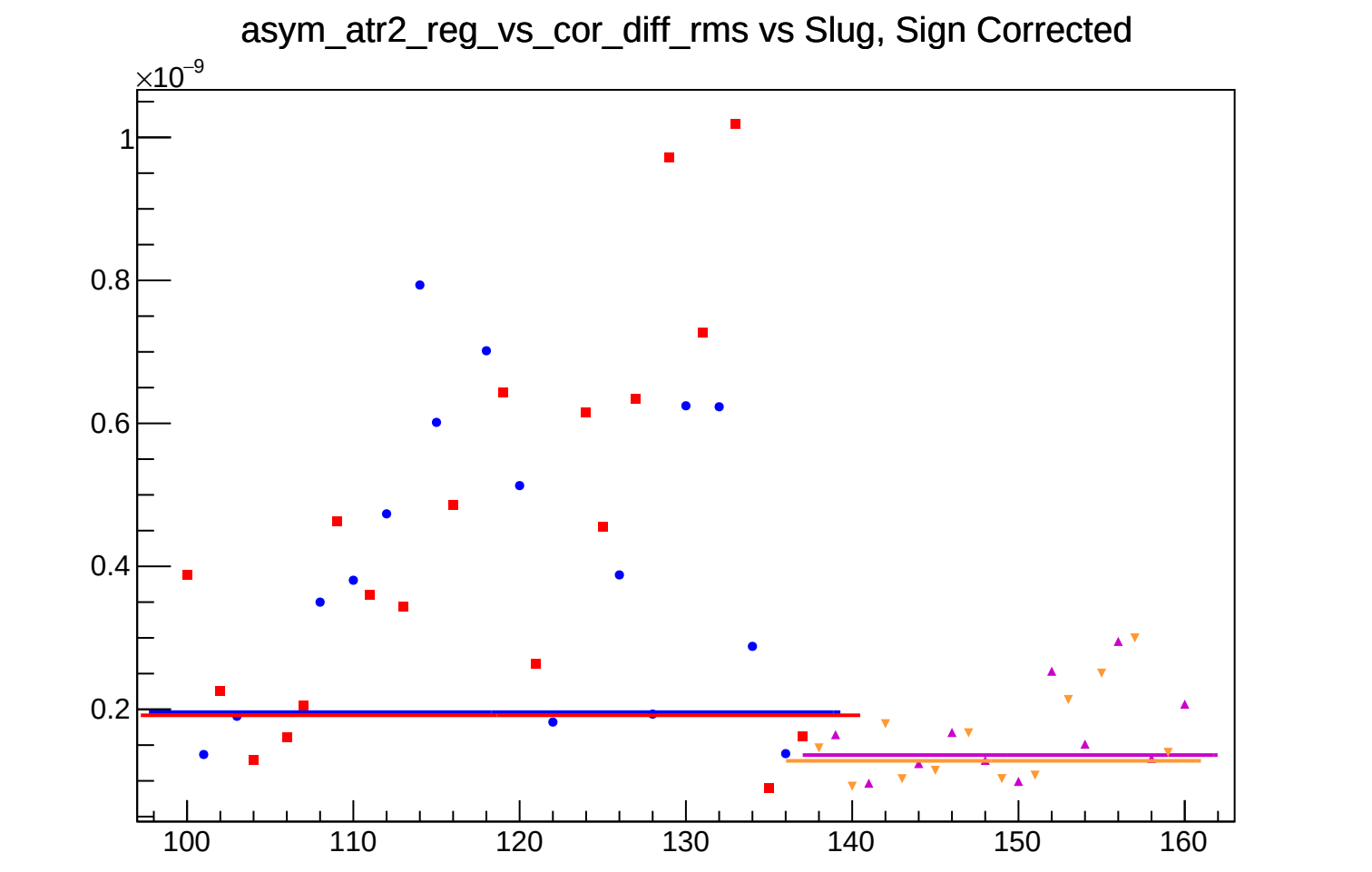
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8513.002+/-1.503 χ^2/NDF:1319930.0/26

Out: 8234.723+/-1.456 χ^2/NDF:1460818.2/30

All: 8369.497+/-1.046 χ^2/NDF: 2798434.5/57


asym_atr2_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: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:5.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:6.3/10
Left: -0.000+/-0.000 χ²/NDF: 12.2/22
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: -0.000+/-0.000 χ²/NDF:20.5/26
Out: -0.000+/-0.000 χ²/NDF:25.1/30
All: -0.000+/-0.000 χ²/NDF: 45.8/57



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:605706.4/10

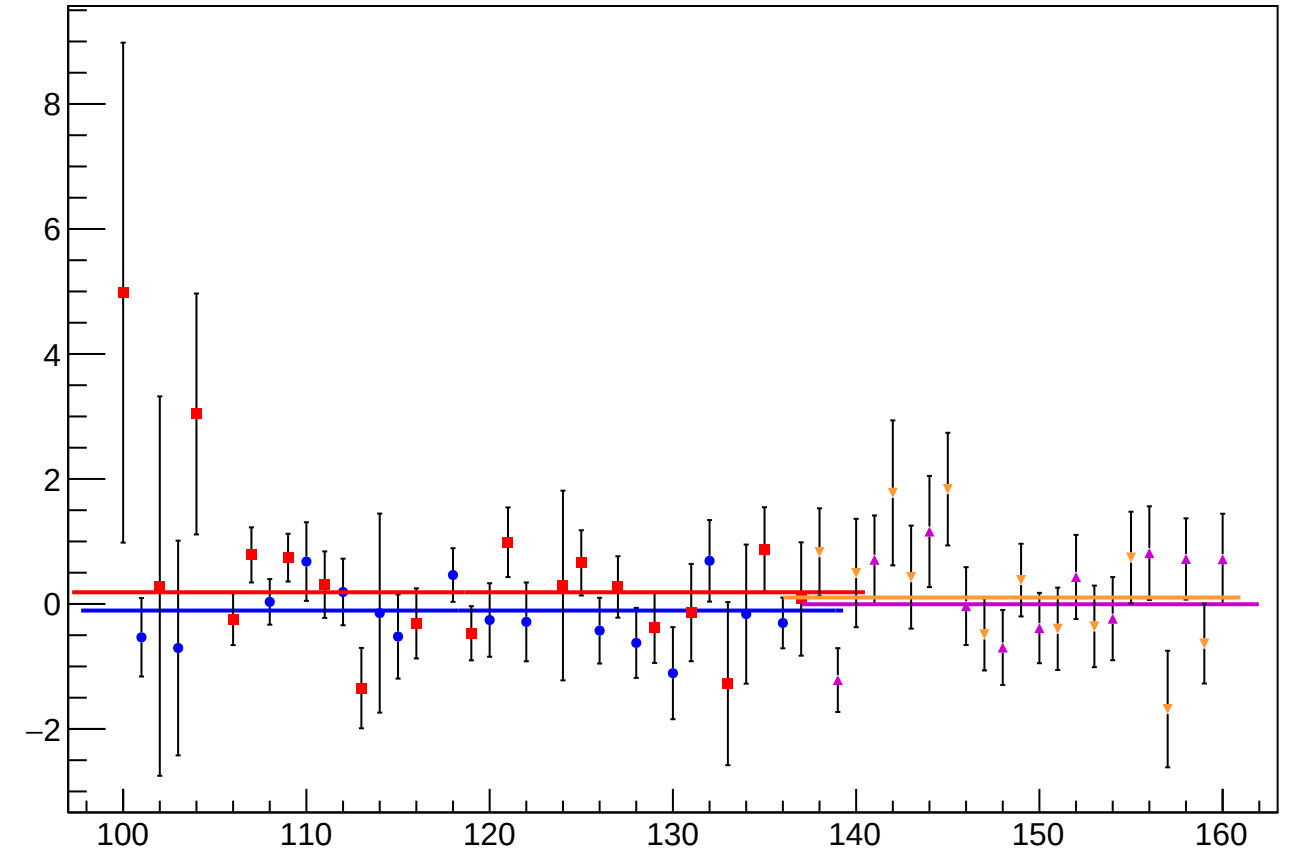
Left: 0.000+/-0.000 χ^2/NDF: 1343713.1/22

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2250529.3/26

Out: 0.000+/-0.000 χ^2/NDF:3124193.6/30

All: 0.000+/-0.000 χ^2/NDF: 5396183.8/57



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: -0.004+/-0.196 χ^2/NDF:14.1/10

Left: 0.046+/-0.143 χ^2/NDF: 29.6/22

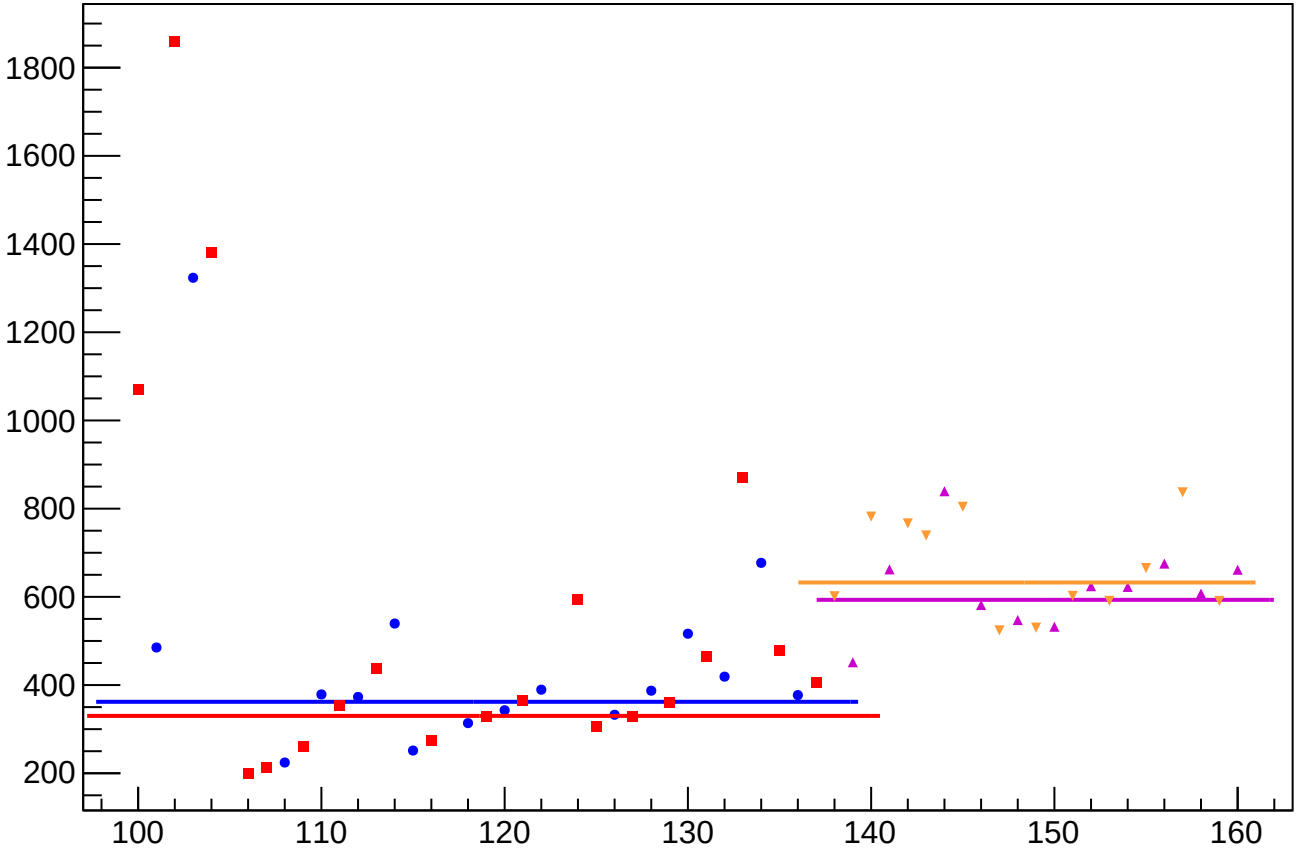
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.070+/-0.116 χ^2/NDF:24.0/26

Out: 0.162+/-0.115 χ^2/NDF:39.3/30

All: 0.047+/-0.082 χ^2/NDF: 65.3/57

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: 593.252+/-0.138 χ^2/NDF:412695.9/10

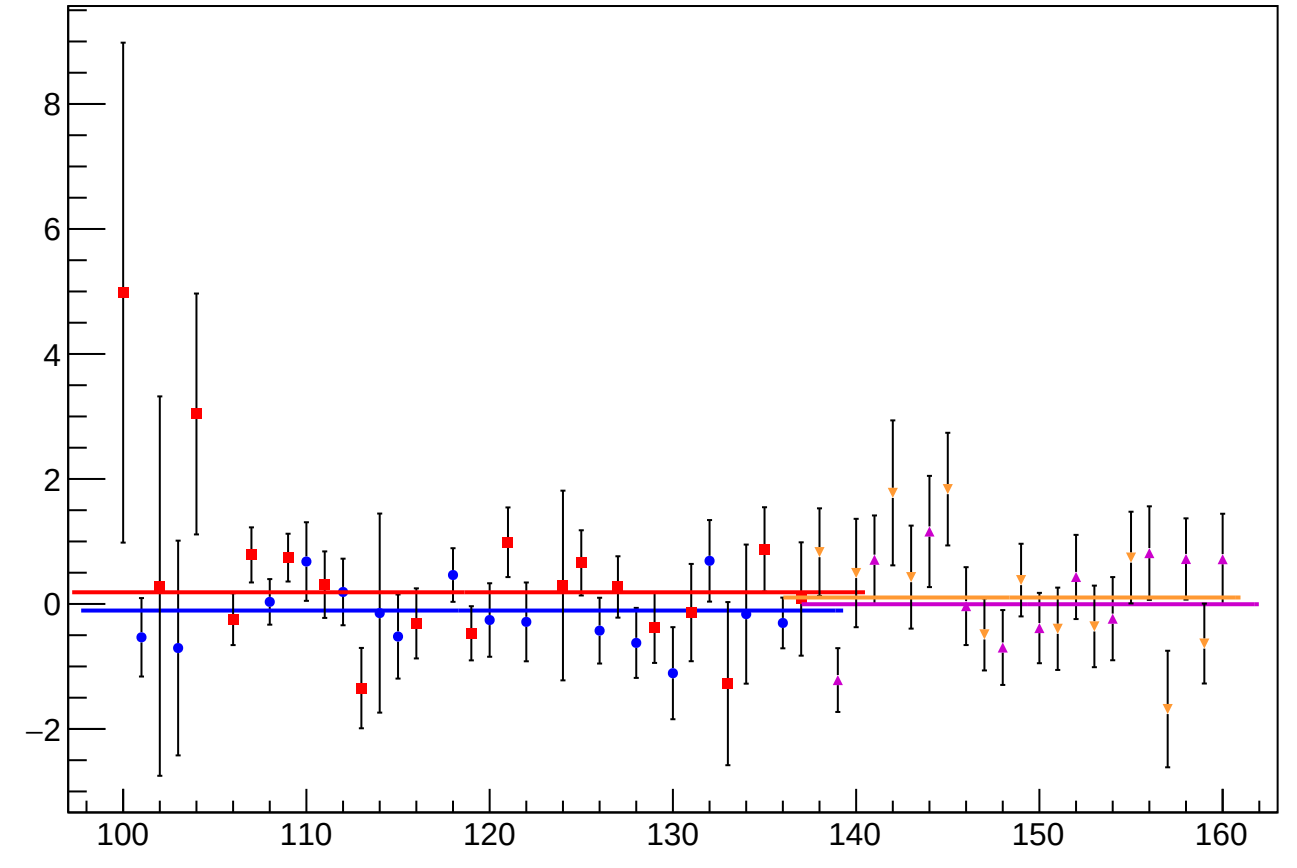
Left: 611.617+/-0.101 χ^2/NDF: 900289.1/22

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 443.770+/-0.082 χ^2/NDF:3595516.3/26

Out: 421.349+/-0.081 χ^2/NDF:5620557.9/30

All: 432.413+/-0.058 χ^2/NDF: 9253700.8/57



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: -0.004+/-0.196 χ^2/NDF:14.1/10

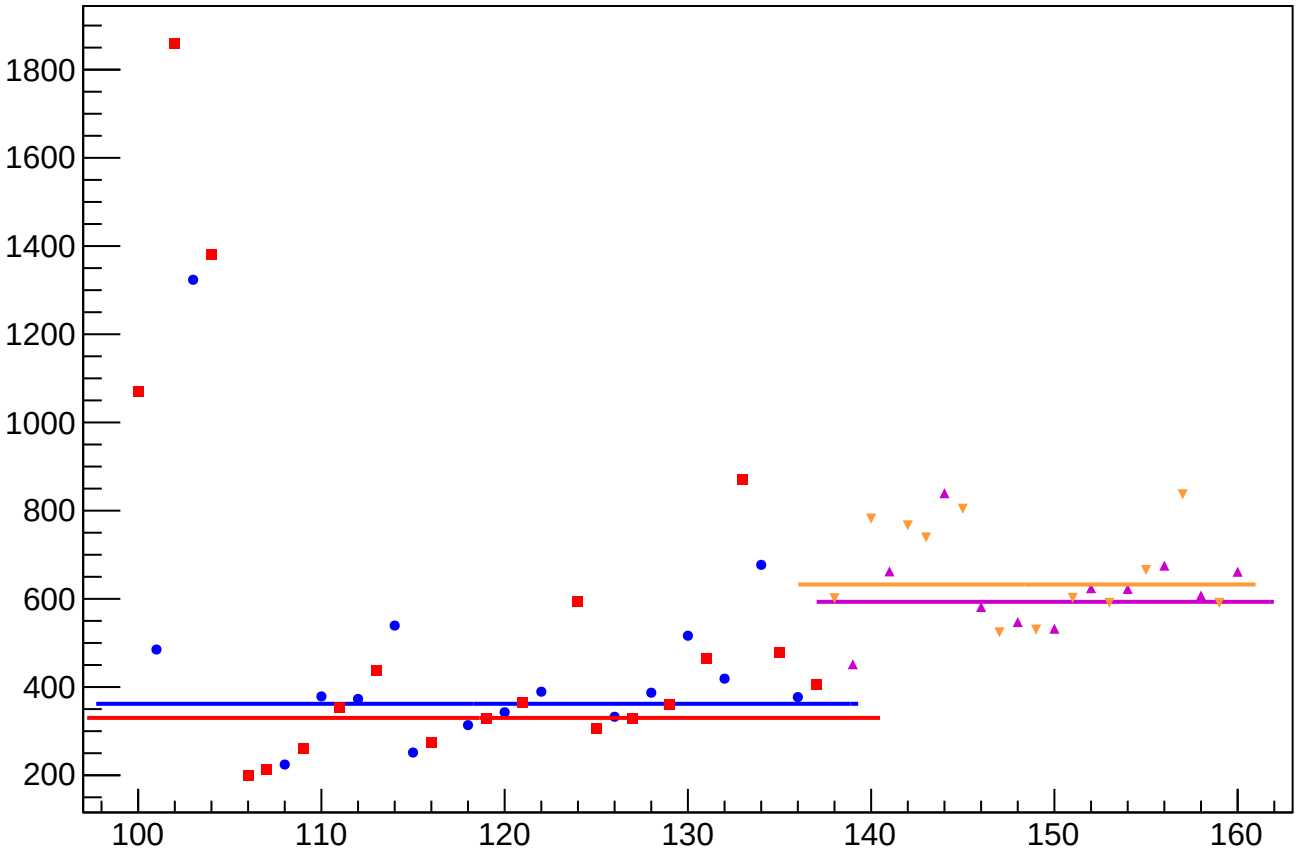
Left: 0.046+/-0.143 χ^2/NDF: 29.6/22

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.070+/-0.116 χ^2/NDF:24.0/26

Out: 0.162+/-0.115 χ^2/NDF:39.3/30

All: 0.047+/-0.082 χ^2/NDF: 65.3/57



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: 593.252+/-0.138 χ^2/NDF:412695.9/10

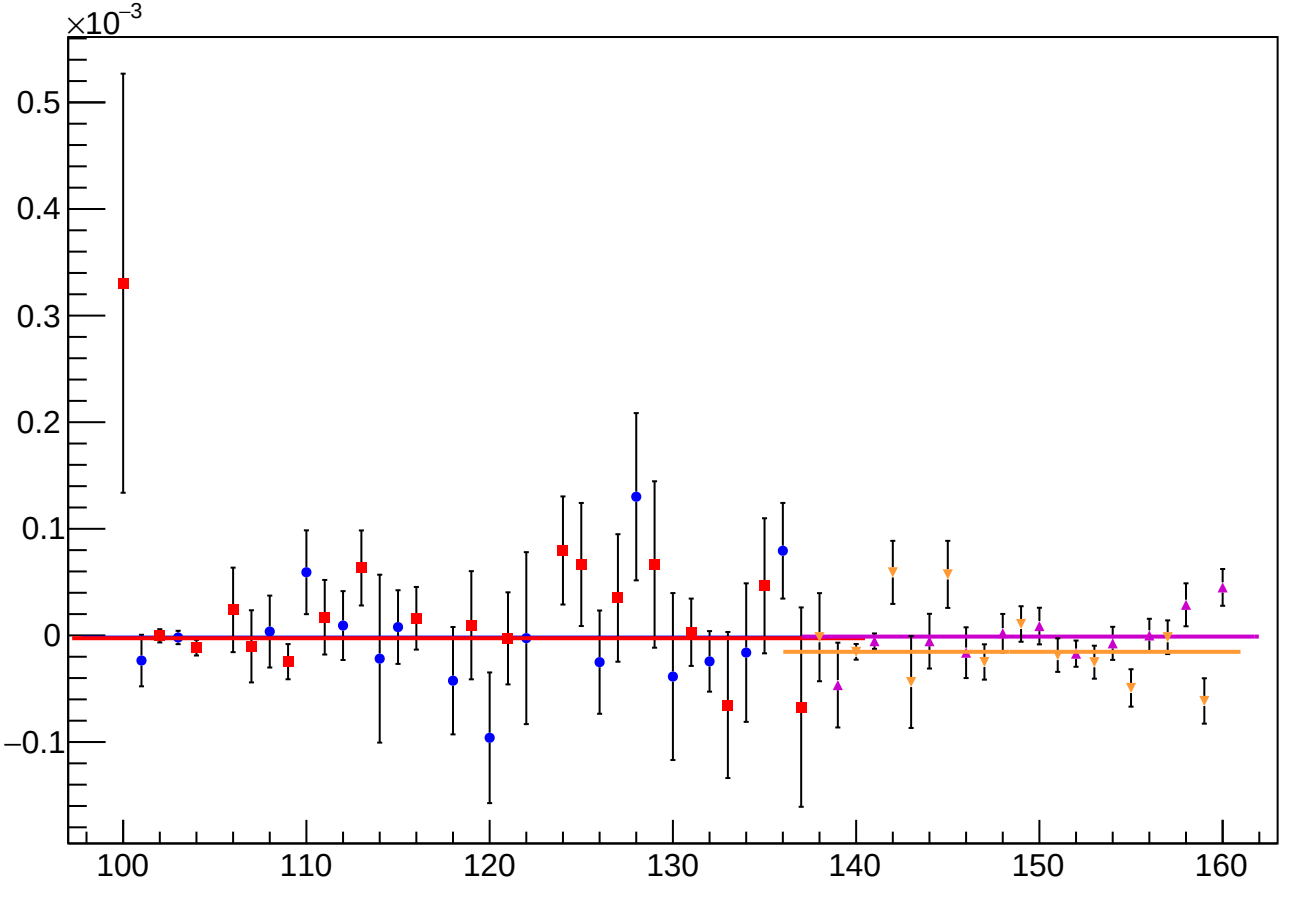
Left: 611.617+/-0.101 χ^2/NDF: 900289.1/22

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 443.770+/-0.082 χ^2/NDF:3595516.3/26

Out: 421.349+/-0.081 χ^2/NDF:5620557.9/30

All: 432.413+/-0.058 χ^2/NDF: 9253700.8/57



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:13.7/10

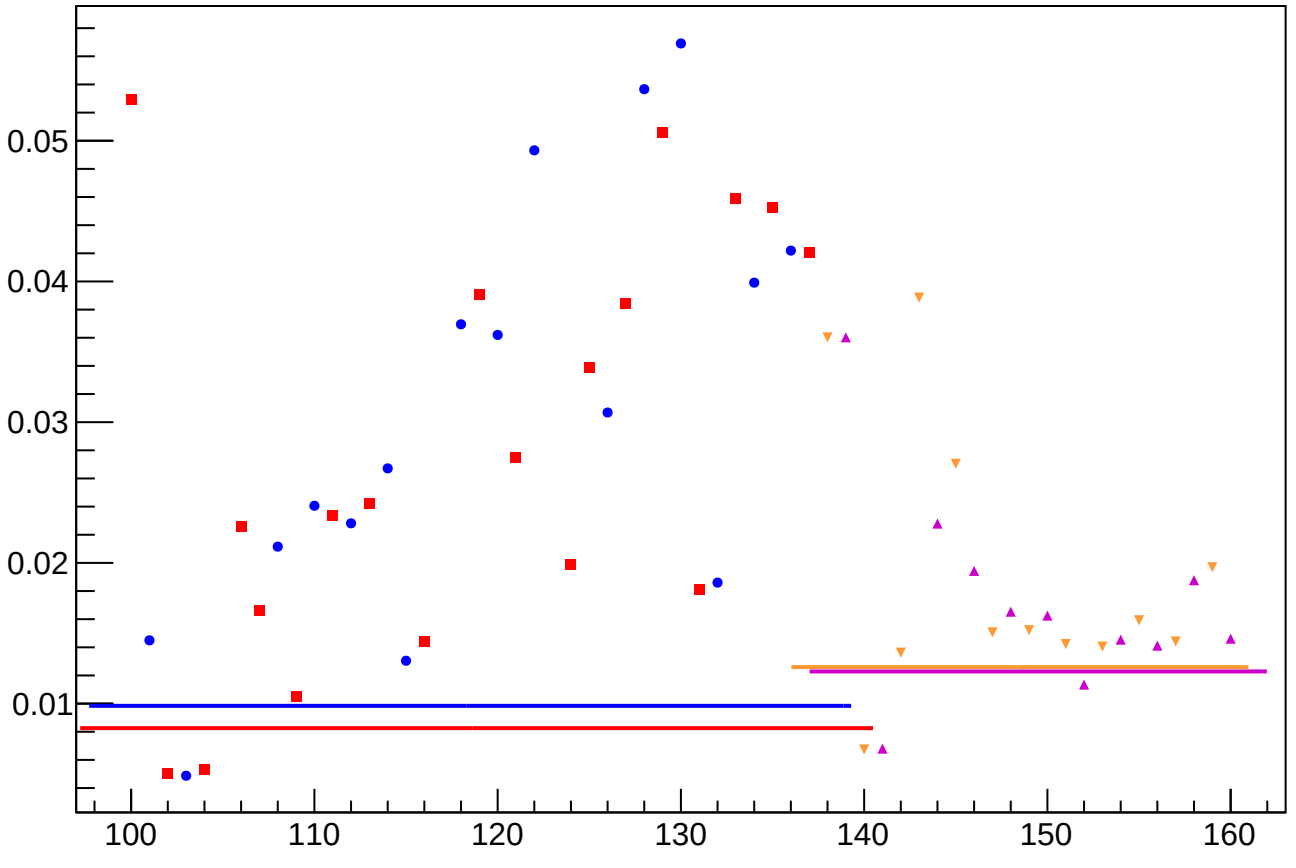
Left: -0.000+/-0.000 χ^2/NDF: 43.2/22

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:47.0/30

All: -0.000+/-0.000 χ^2/NDF: 76.6/57



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:2917342.9/10

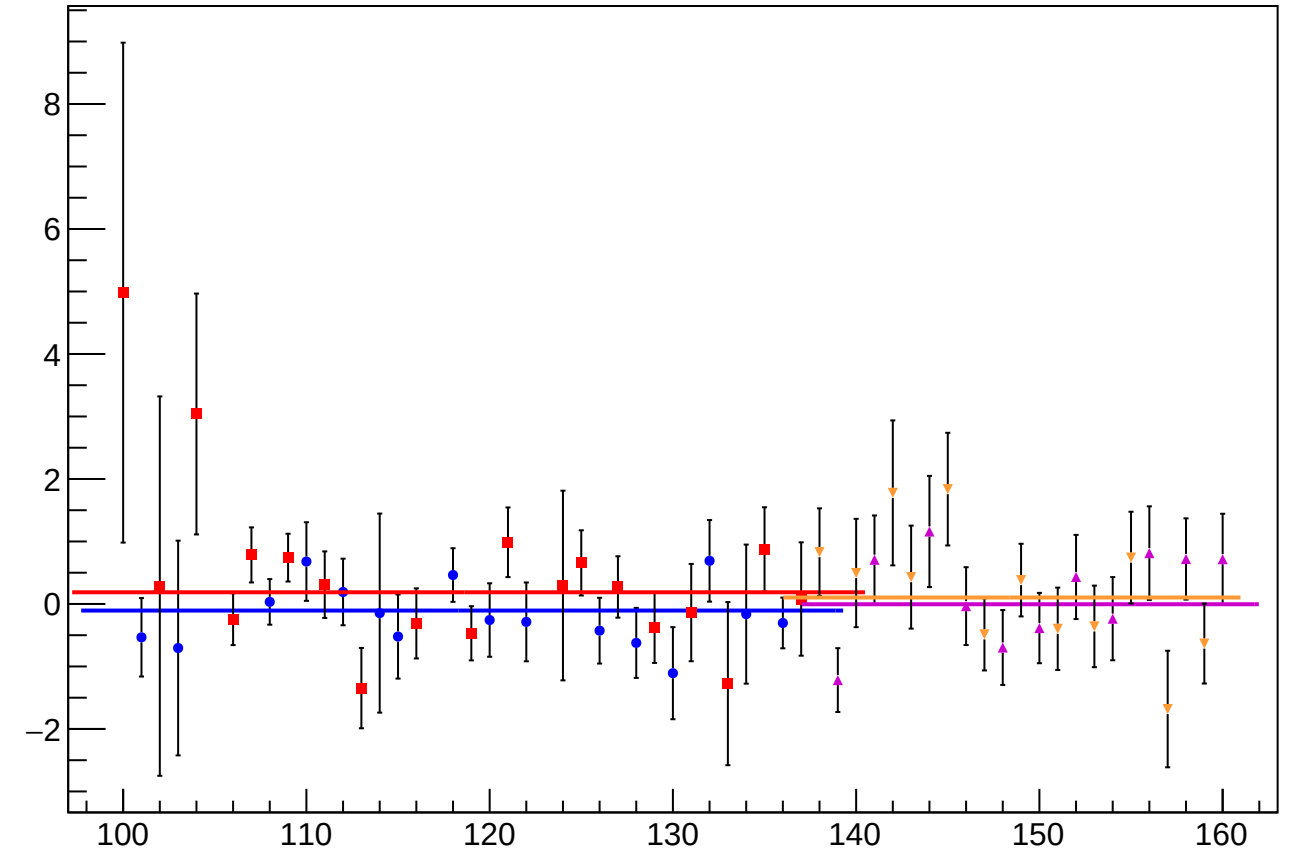
Left: 0.012+/-0.000 χ^2/NDF: 6454059.3/22

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:10212555.7/26

Out: 0.010+/-0.000 χ^2/NDF:11232695.6/30

All: 0.011+/-0.000 χ^2/NDF: 21550356.9/57



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: -0.004+/-0.196 χ^2/NDF:14.1/10

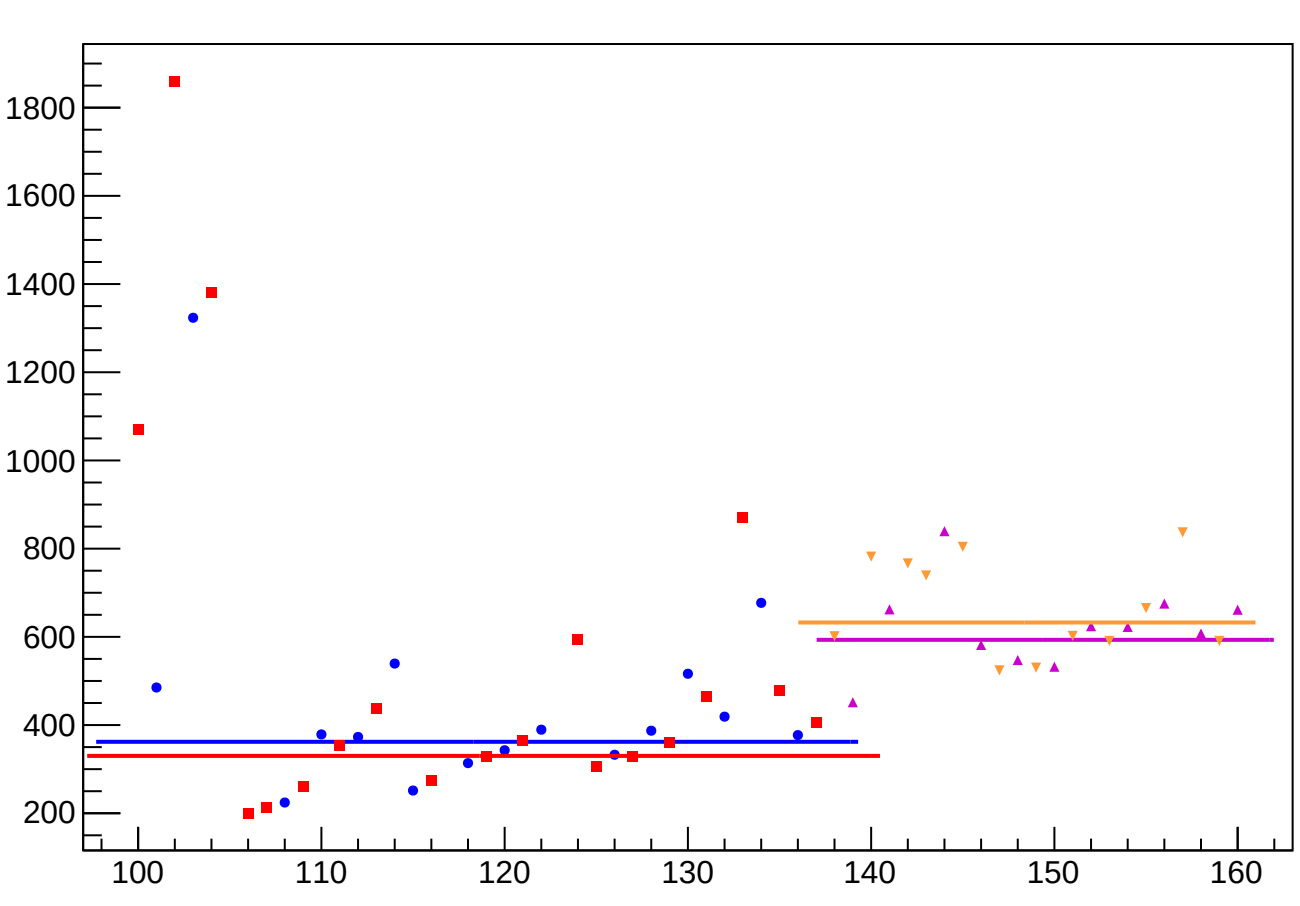
Left: 0.046+/-0.143 χ^2/NDF: 29.6/22

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.070+/-0.116 χ^2/NDF:24.0/26

Out: 0.162+/-0.115 χ^2/NDF:39.3/30

All: 0.047+/-0.082 χ^2/NDF: 65.3/57



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: 593.260+/-0.138 χ^2/NDF:412671.4/10

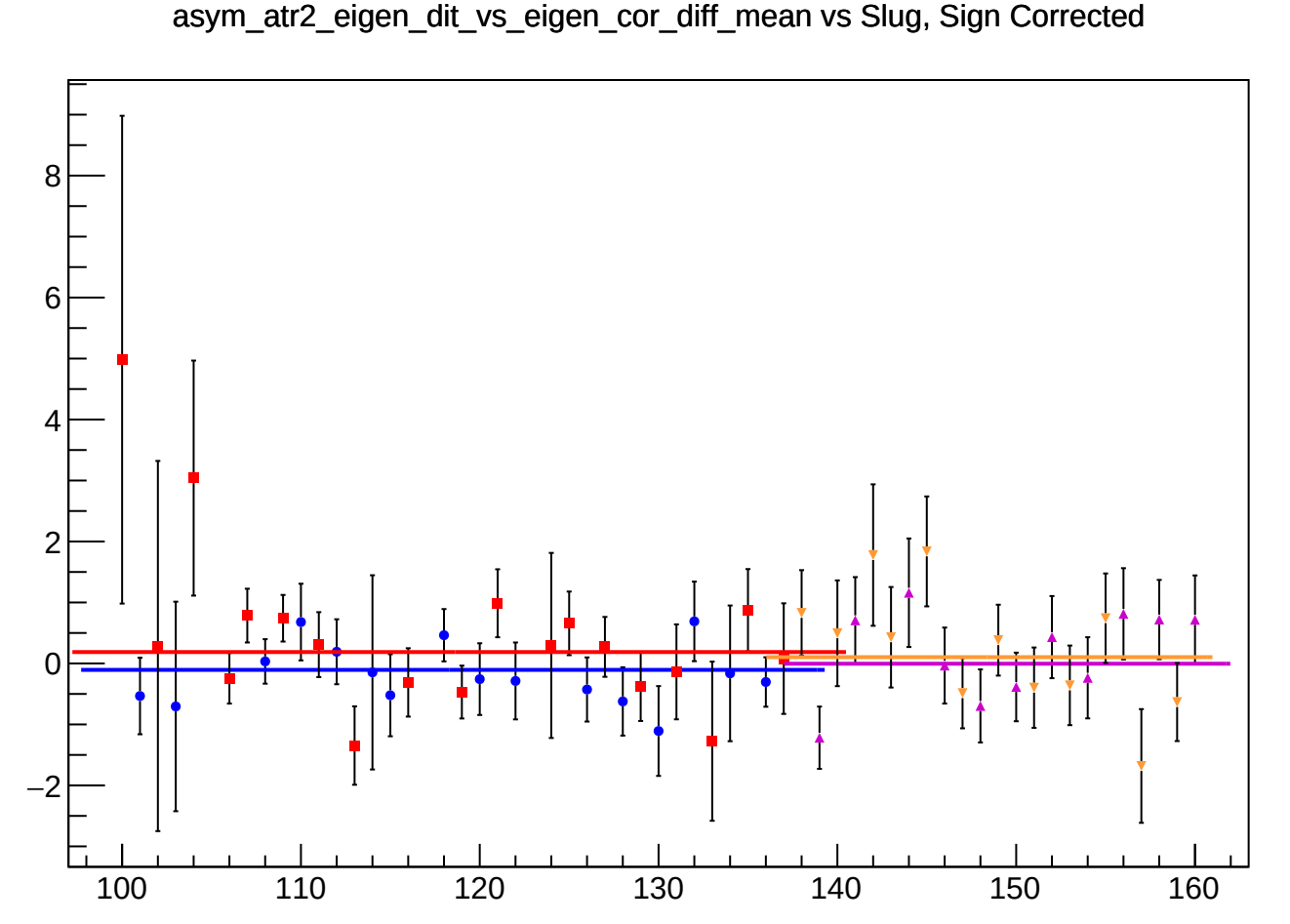
Left: 611.625+/-0.101 χ^2/NDF: 900244.4/22

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

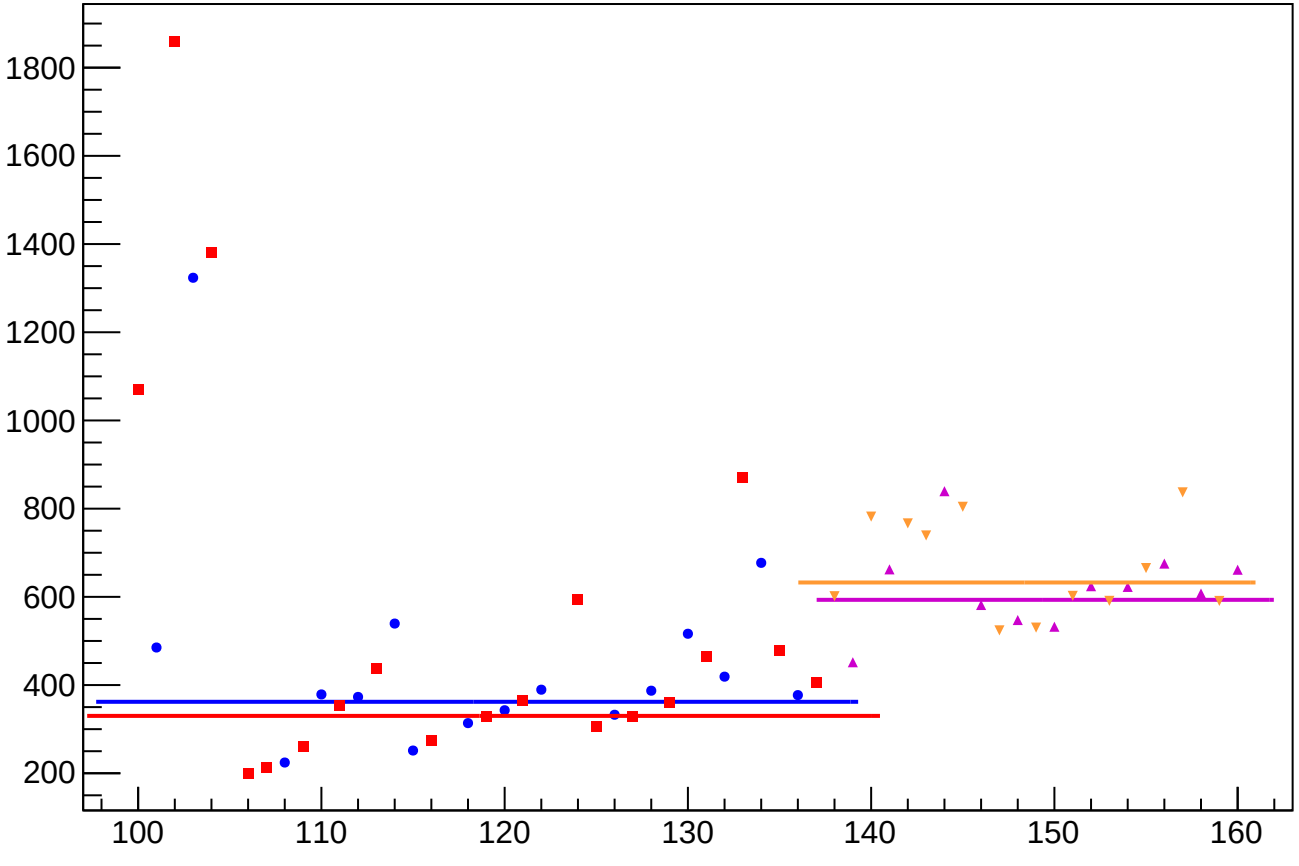
In: 443.769+/-0.082 χ^2/NDF:3595639.3/26

Out: 421.349+/-0.081 χ^2/NDF:5620671.5/30

All: 432.412+/-0.058 χ^2/NDF: 9253935.8/57


asym_atr2_eigen_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: -0.004+/-0.196 χ²/NDF:14.1/10
Left: 0.046+/-0.143 χ²/NDF: 29.6/22
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.070+/-0.116 χ²/NDF:24.0/26
Out: 0.162+/-0.115 χ²/NDF:39.3/30
All: 0.047+/-0.082 χ²/NDF: 65.3/57

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: 593.260+/-0.138 χ^2/NDF:412671.4/10

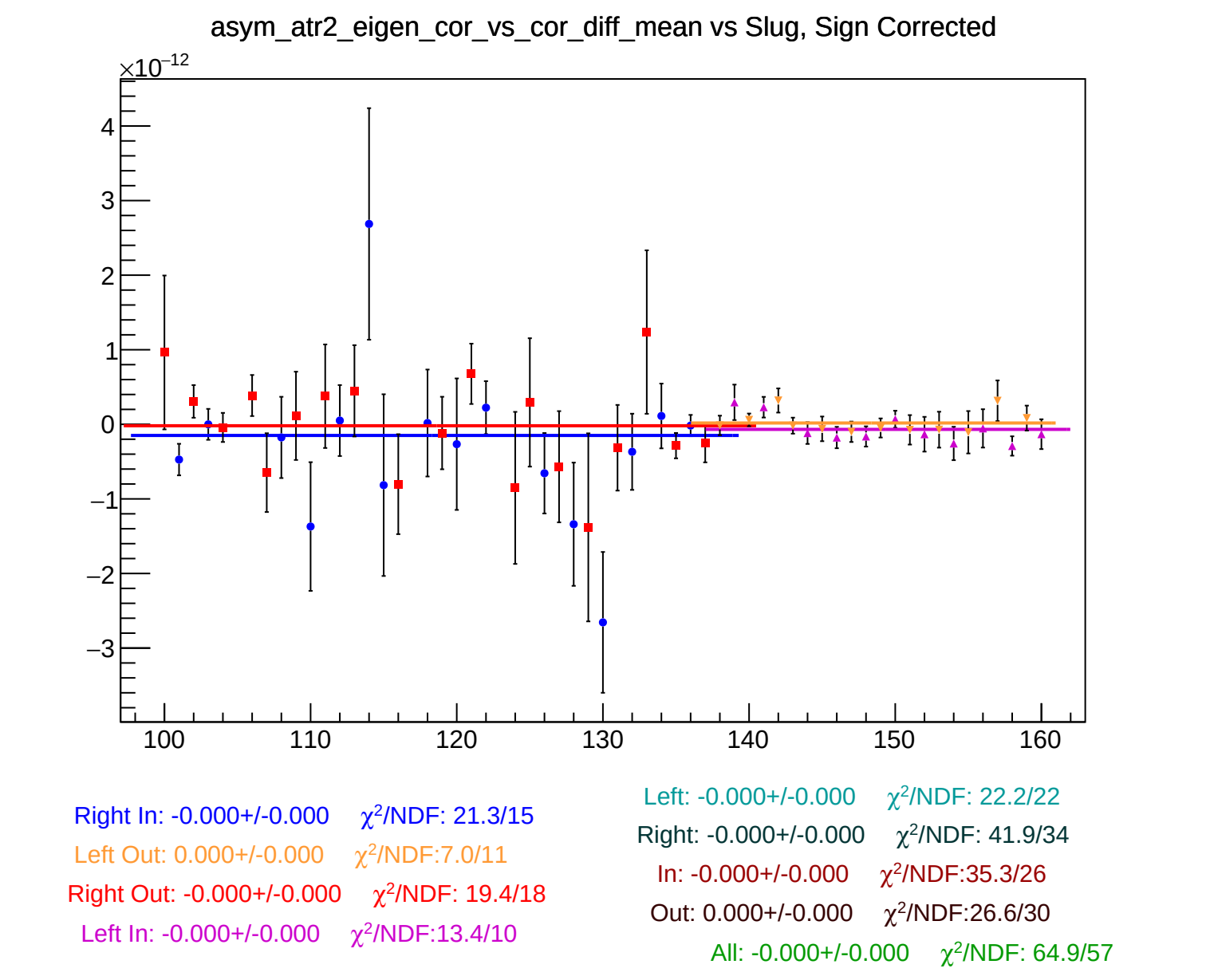
Left: 611.625+/-0.101 χ^2/NDF: 900244.4/22

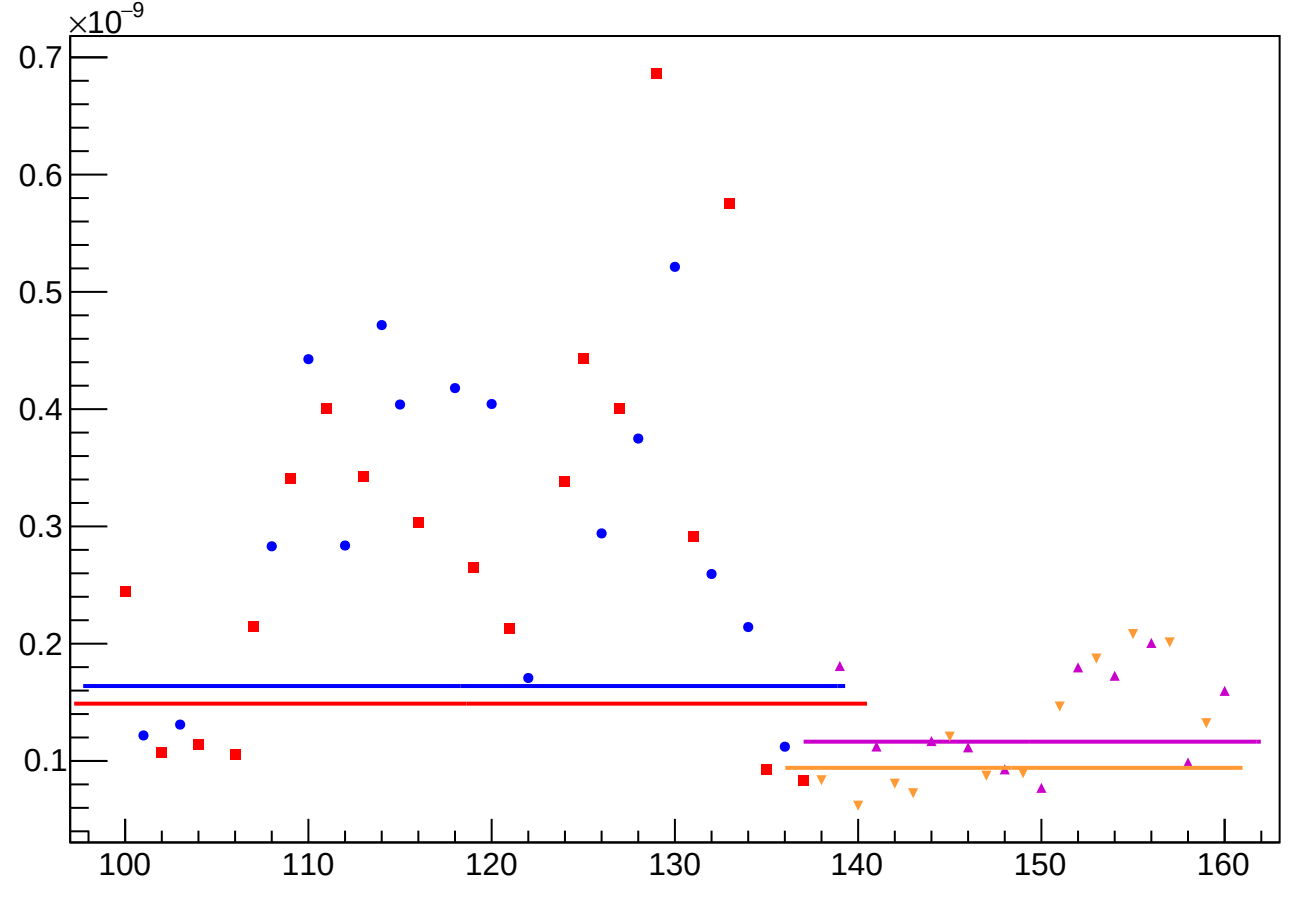
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 443.769+/-0.082 χ^2/NDF:3595639.3/26

Out: 421.349+/-0.081 χ^2/NDF:5620671.5/30

All: 432.412+/-0.058 χ^2/NDF: 9253935.8/57


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:13.4/10
Left: -0.000+/-0.000 χ²/NDF: 22.2/22
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:35.3/26
Out: 0.000+/-0.000 χ²/NDF:26.6/30
All: -0.000+/-0.000 χ²/NDF: 64.9/57



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:1071616.6/10

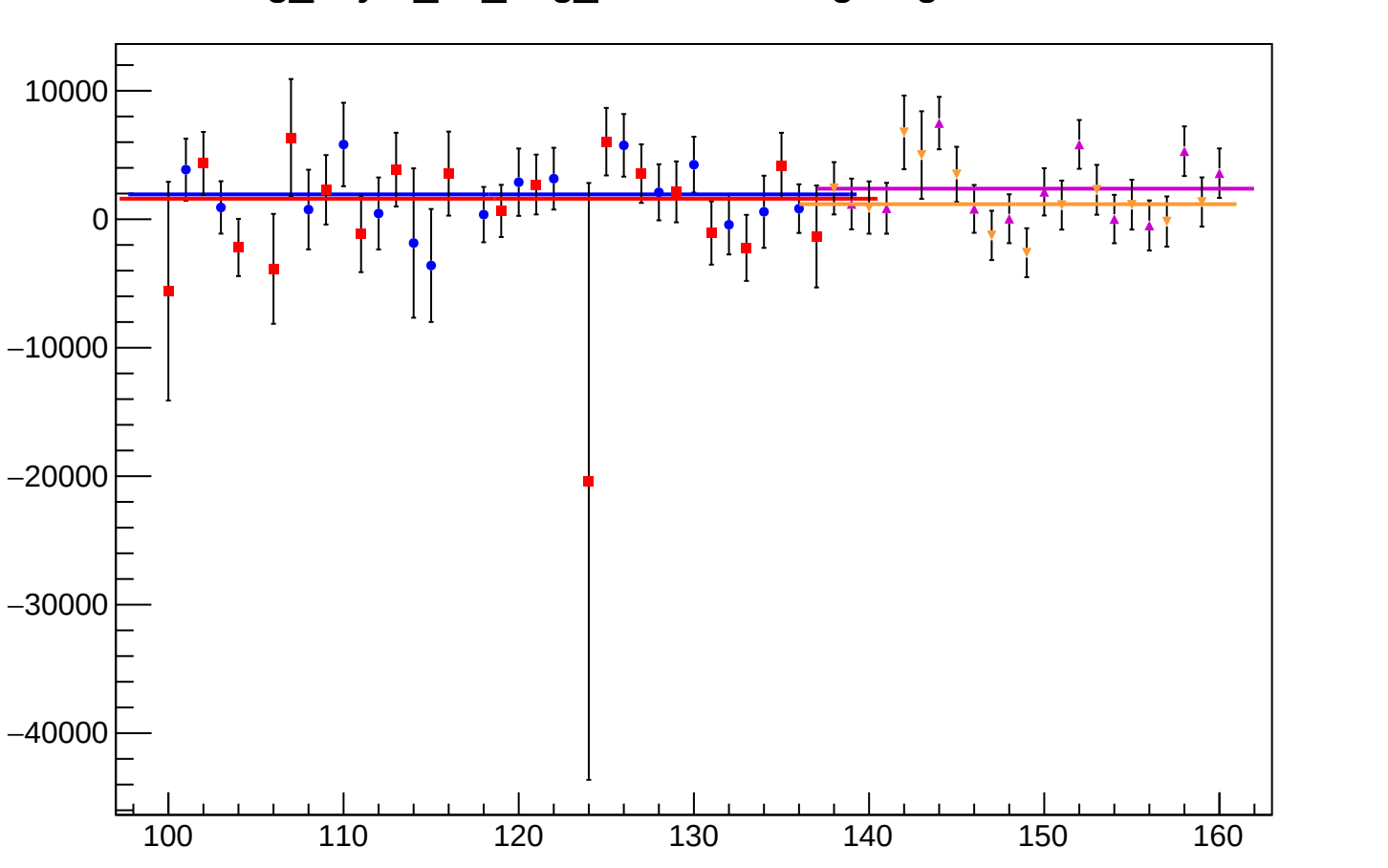
Left: 0.000+/-0.000 χ^2/NDF: 2947407.3/22

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3536875.6/26

Out: 0.000+/-0.000 χ^2/NDF:5163018.1/30

All: 0.000+/-0.000 χ^2/NDF: 9018208.9/57



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: 2379.387+/-579.975 χ^2/NDF:19.2/10

Left: 1795.102+/-416.366 χ^2/NDF: 34.2/22

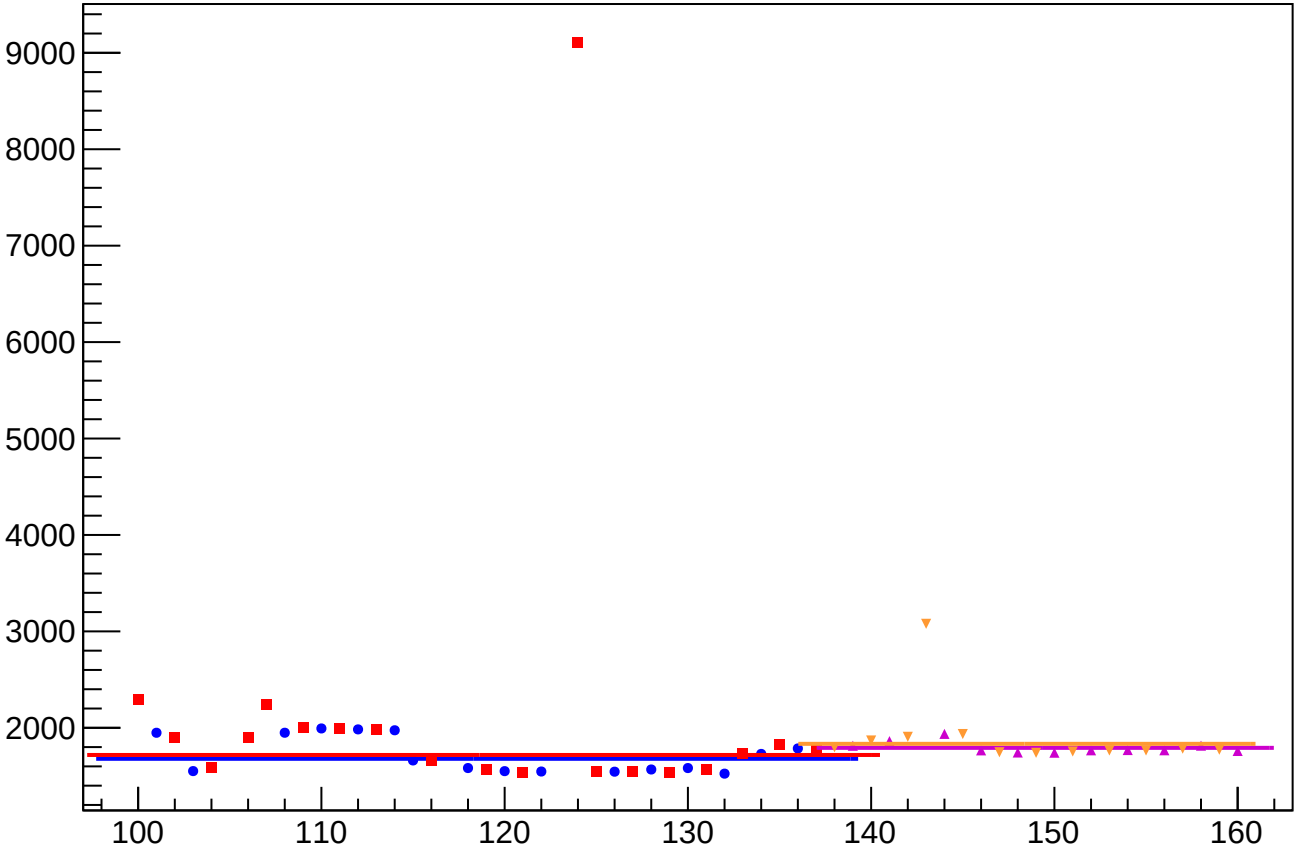
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2174.676+/-426.033 χ^2/NDF:30.3/26

Out: 1370.774+/-437.684 χ^2/NDF:32.6/30

All: 1783.568+/-305.287 χ^2/NDF: 64.6/57

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: 1792.175+/-0.410 χ^2/NDF:17796.1/10

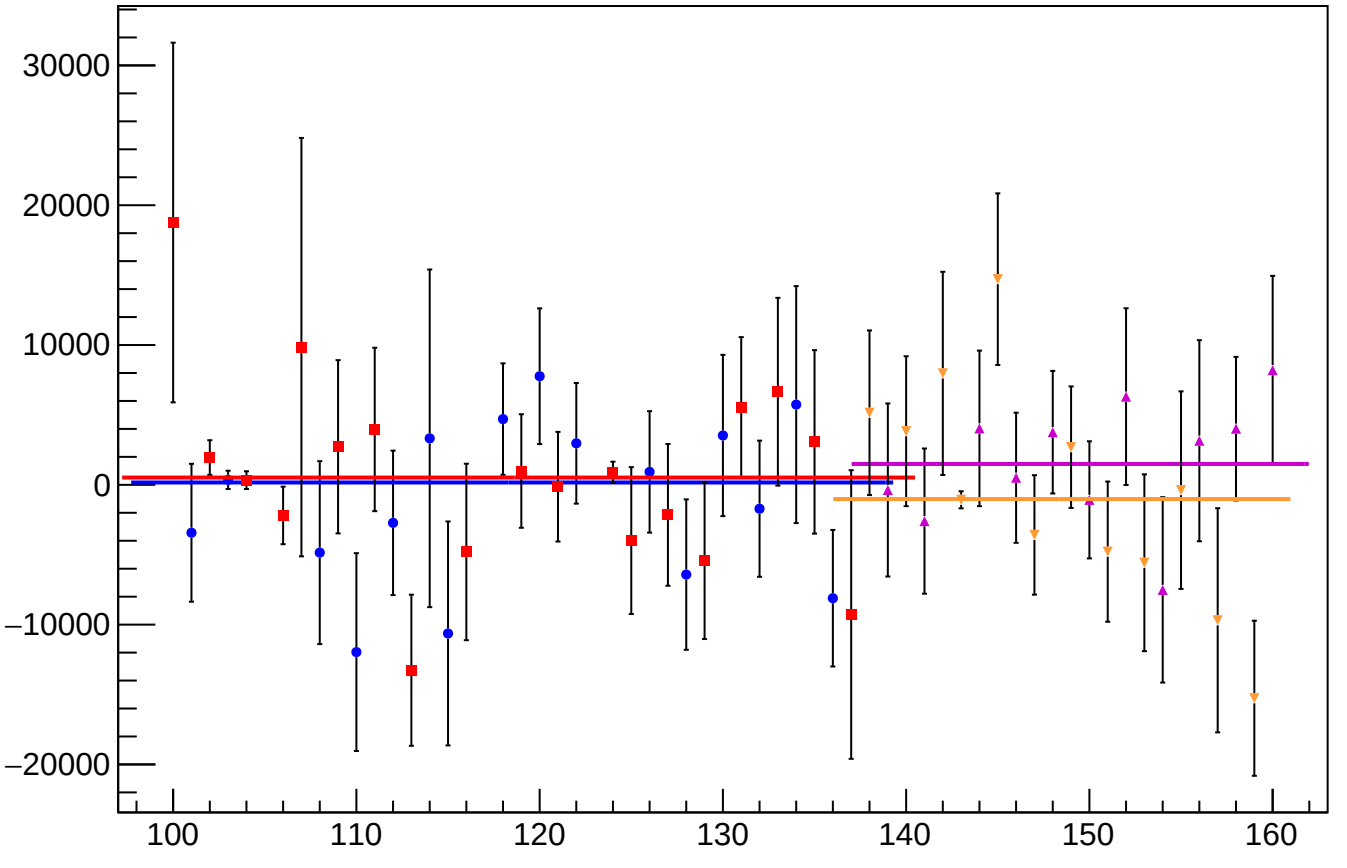
Left: 1812.356+/-0.294 χ^2/NDF: 317450.4/22

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1739.858+/-0.301 χ^2/NDF:194625.7/26

Out: 1779.895+/-0.309 χ^2/NDF:712659.2/30

All: 1759.381+/-0.216 χ^2/NDF: 915897.9/57



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: 1492.493+/-1627.053 χ^2/NDF:5.3/10

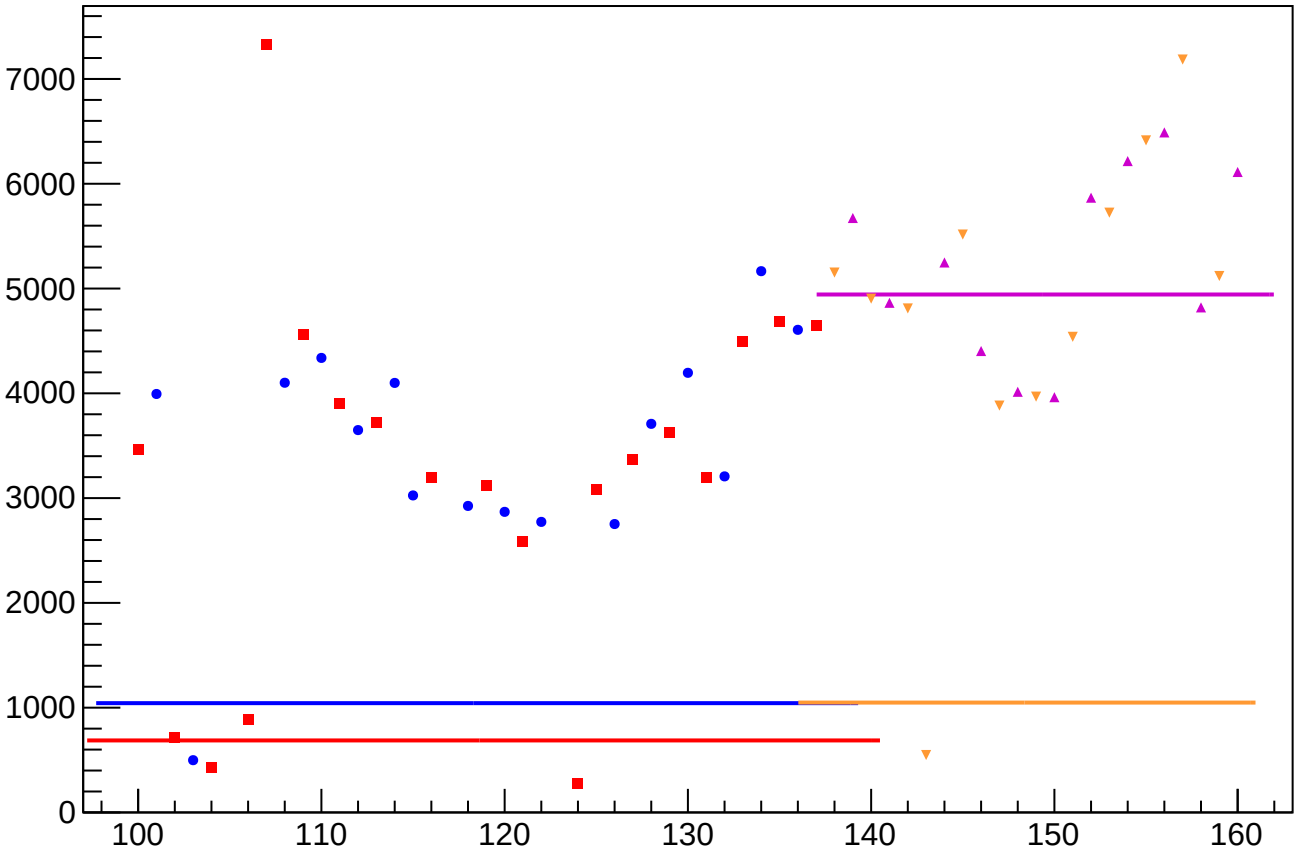
Left: -739.072+/-541.413 χ^2/NDF: 27.4/22

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 322.912+/-555.994 χ^2/NDF:21.7/26

Out: -23.005+/-341.479 χ^2/NDF:43.2/30

All: 71.741+/-290.980 χ^2/NDF: 65.2/57



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: 4943.156+/-1.151 χ^2/NDF:530717.2/10

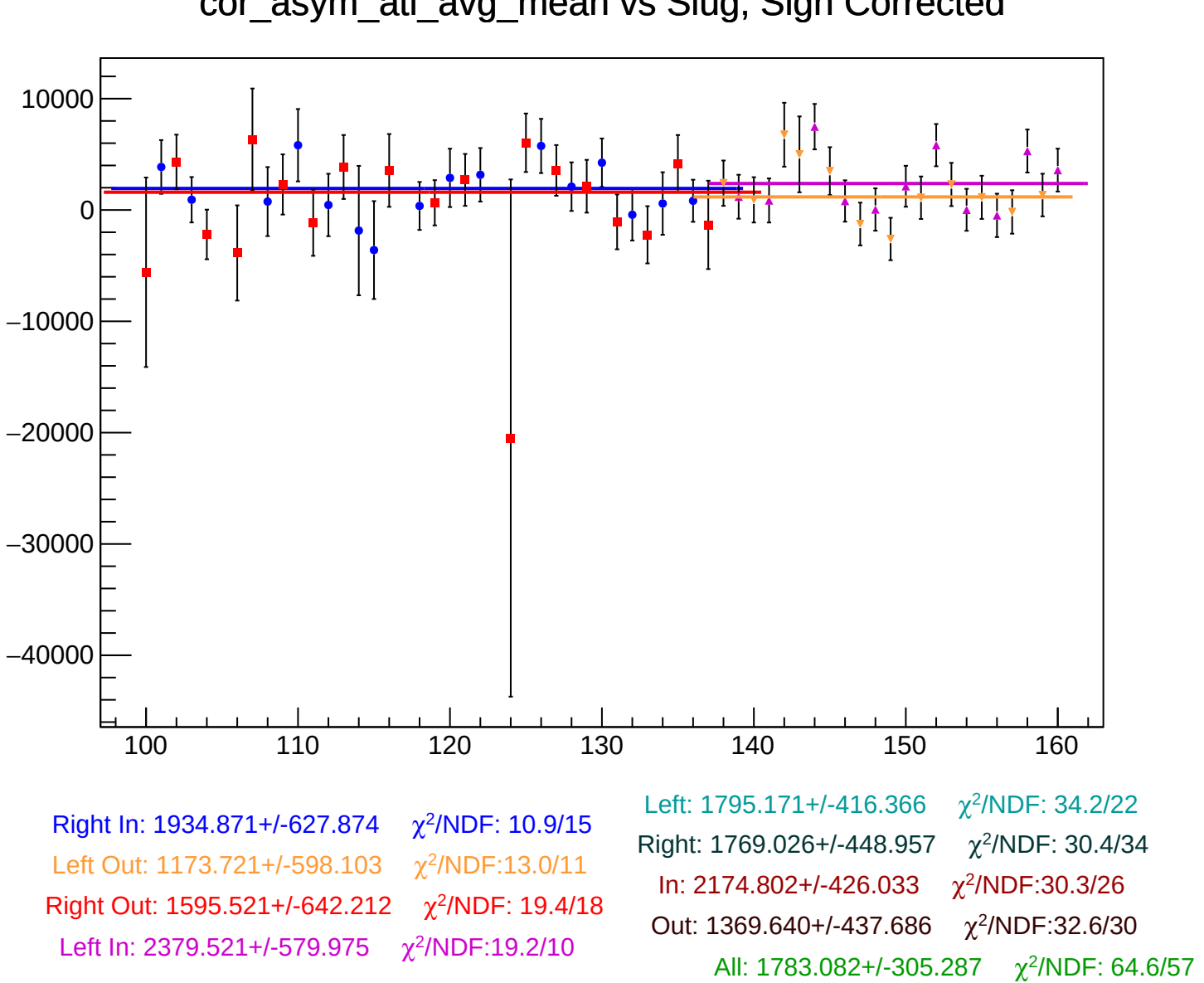
Left: 1479.861+/-0.383 χ^2/NDF: 22914273.6/22

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

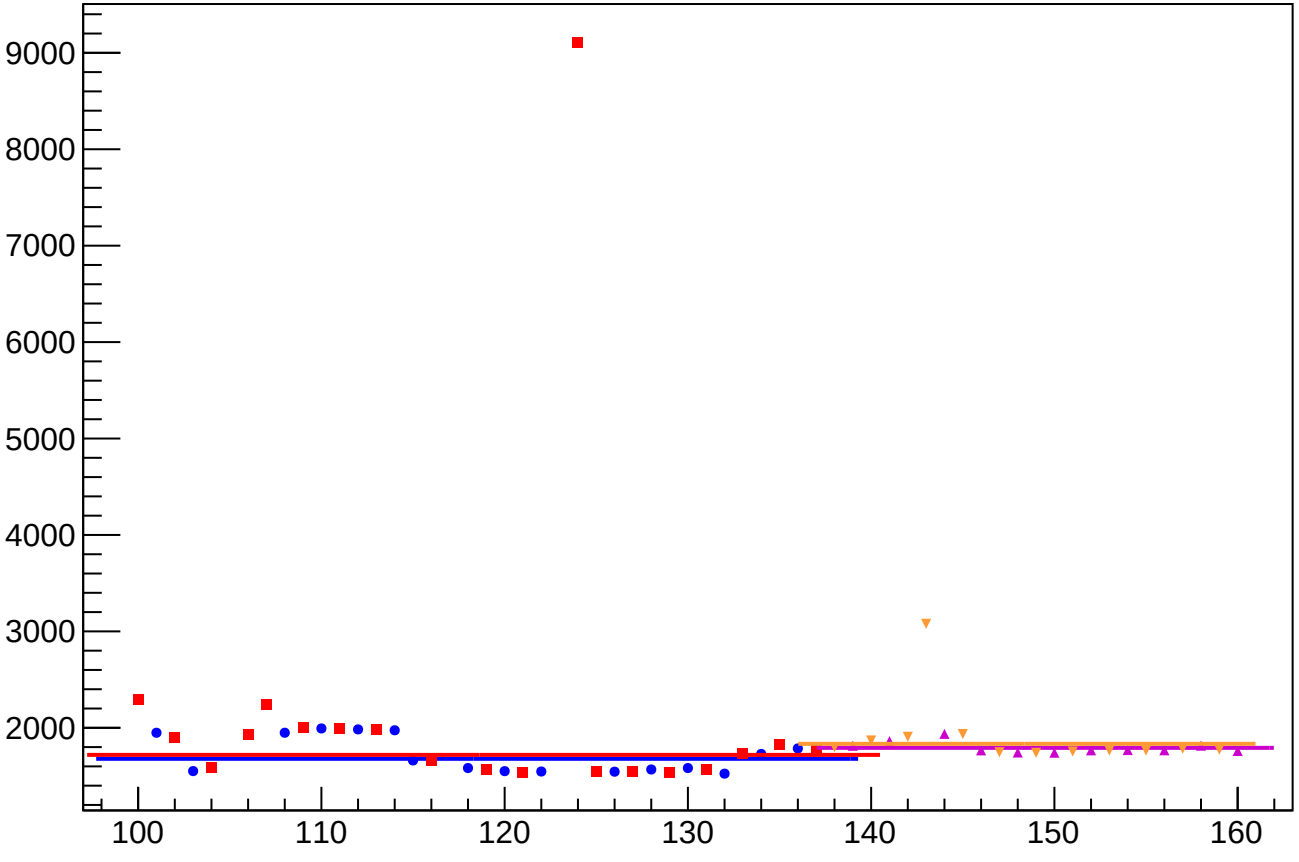
In: 1498.529+/-0.393 χ^2/NDF:18791949.5/26

Out: 815.143+/-0.241 χ^2/NDF:21337027.2/30

All: 1002.321+/-0.206 χ^2/NDF: 42322899.0/5


cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 1173.721+/-598.103 χ²/NDF:13.0/11
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2379.521+/-579.975 χ²/NDF:19.2/10
Left: 1795.171+/-416.366 χ²/NDF: 34.2/22
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2174.802+/-426.033 χ²/NDF:30.3/26
Out: 1369.640+/-437.686 χ²/NDF:32.6/30
All: 1783.082+/-305.287 χ²/NDF: 64.6/57

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: 1792.175+/-0.410 χ^2/NDF:17796.1/10

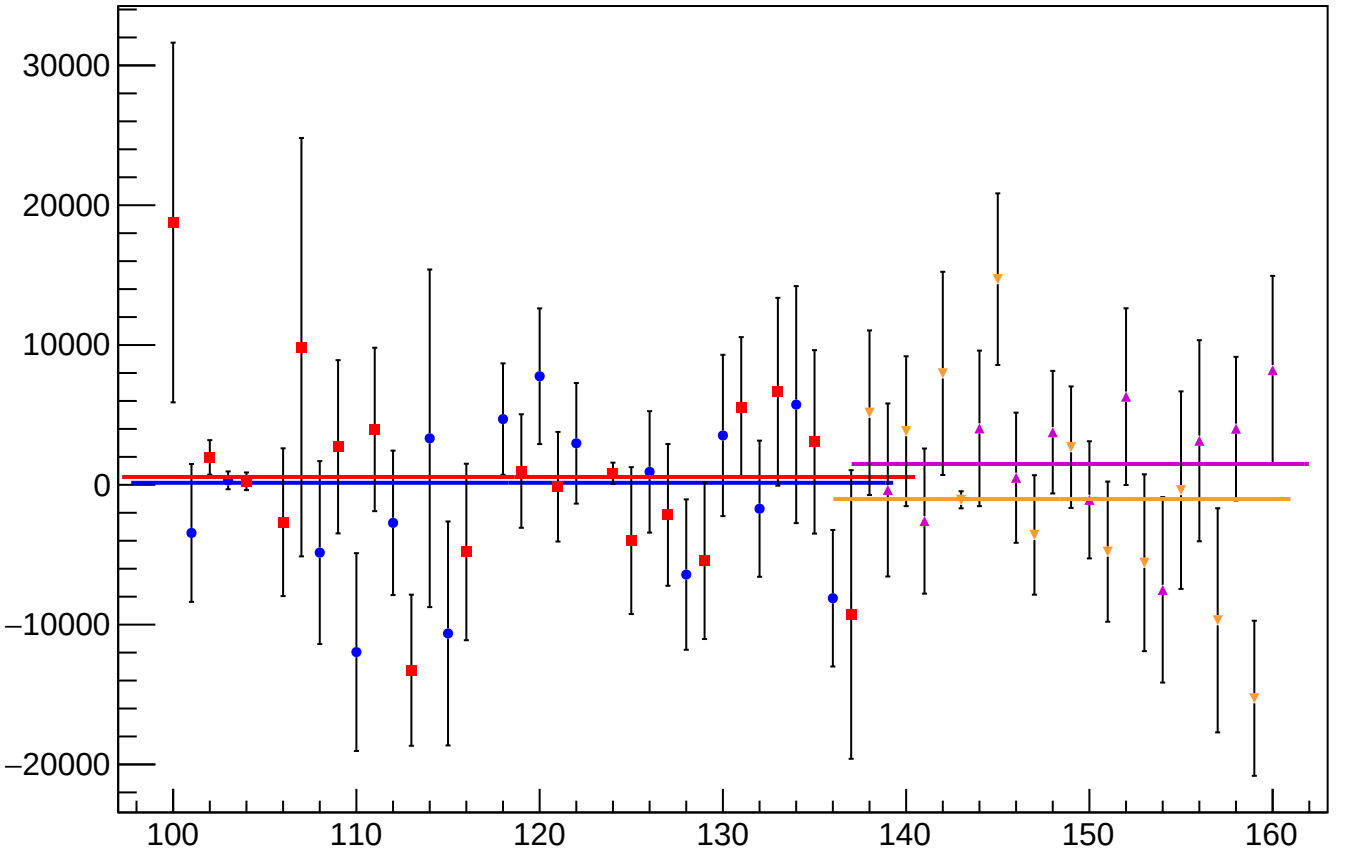
Left: 1812.356+/-0.294 χ^2/NDF: 317450.4/22

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.858+/-0.301 χ^2/NDF:194625.9/26

Out: 1780.313+/-0.309 χ^2/NDF:713883.0/30

All: 1759.580+/-0.216 χ^2/NDF: 917300.5/57



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: 1492.631+/-1627.052 χ^2/NDF:5.3/10

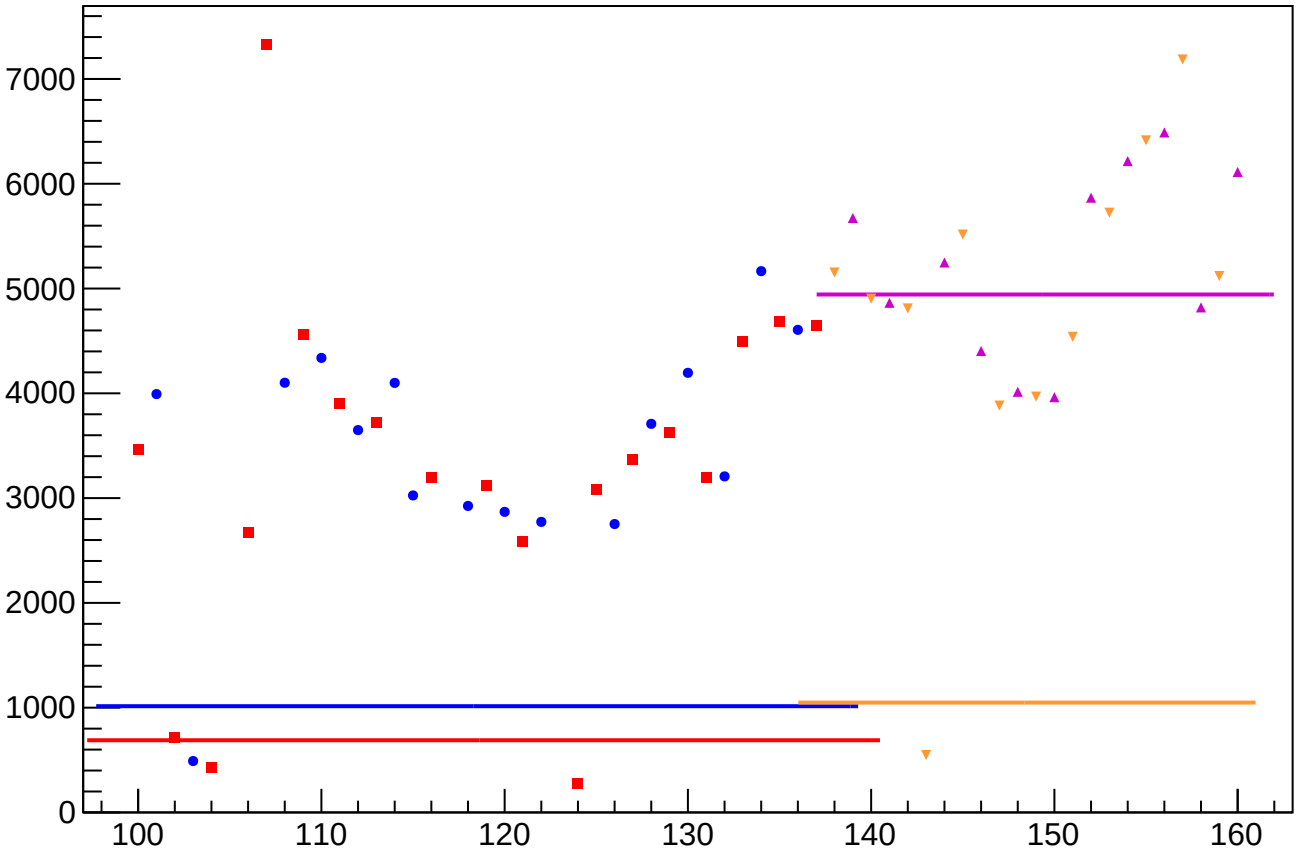
Left: -738.762+/-541.395 χ^2/NDF: 27.4/22

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 298.015+/-545.788 χ^2/NDF:21.7/26

Out: -6.704+/-344.486 χ^2/NDF:42.0/30

All: 80.106+/-291.313 χ^2/NDF: 64.0/57



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: 4943.151+/-1.150 χ^2/NDF:530733.4/10

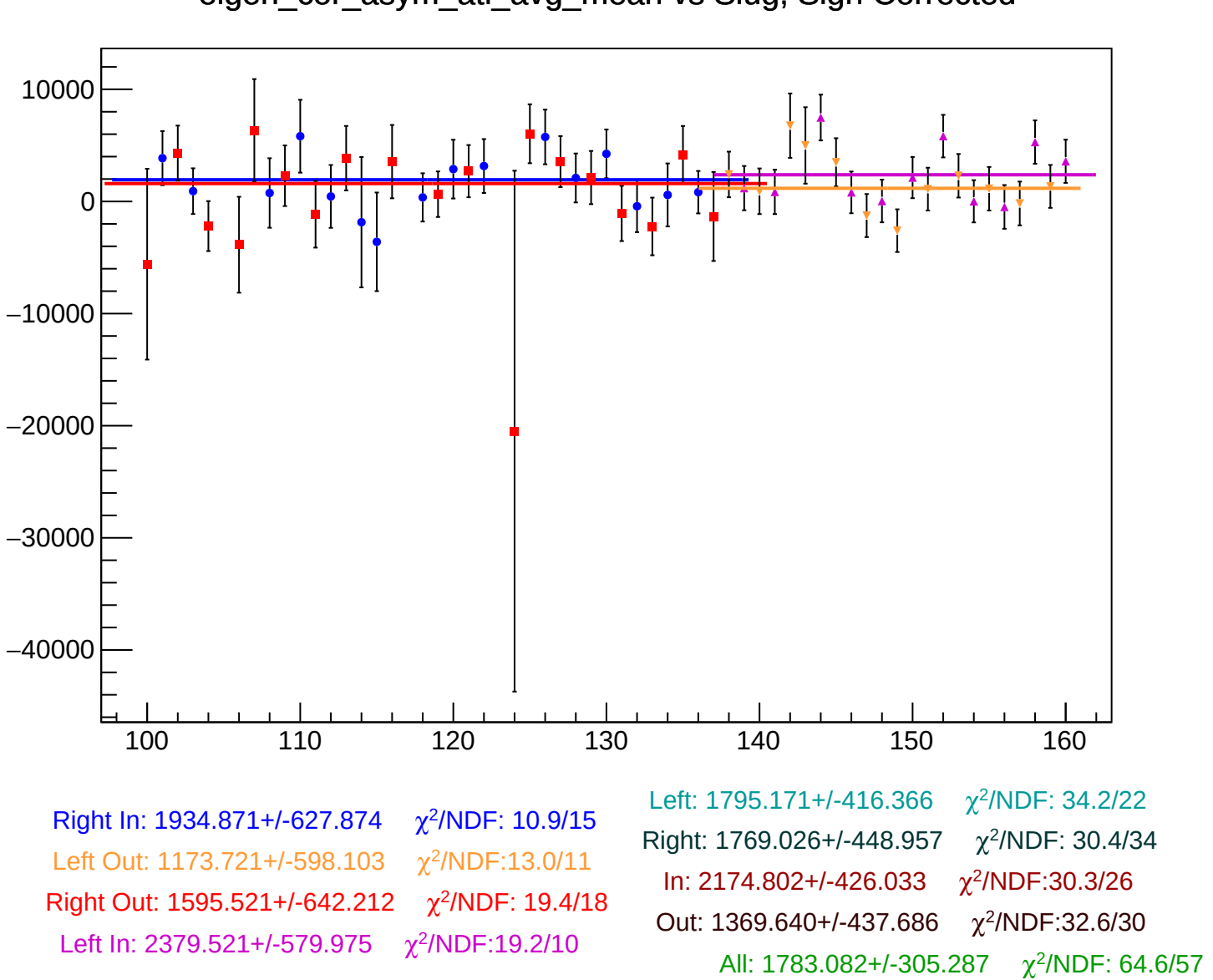
Left: 1479.783+/-0.383 χ^2/NDF: 22914888.6/22

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

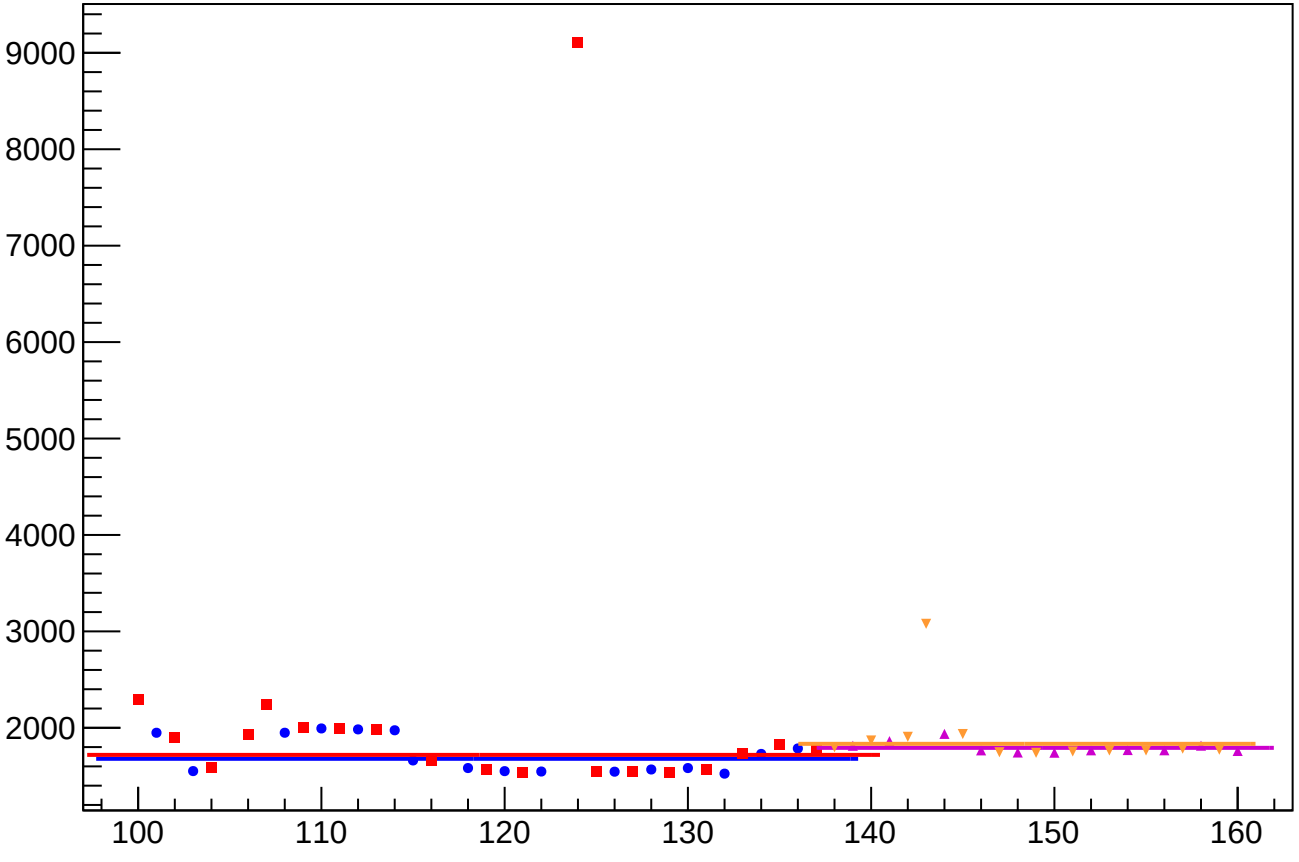
In: 1456.207+/-0.386 χ^2/NDF:19104224.6/26

Out: 818.497+/-0.244 χ^2/NDF:21606173.8/30

All: 1000.172+/-0.206 χ^2/NDF: 42662958.8/5


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 1173.721+/-598.103 χ²/NDF:13.0/11
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2379.521+/-579.975 χ²/NDF:19.2/10
Left: 1795.171+/-416.366 χ²/NDF: 34.2/22
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2174.802+/-426.033 χ²/NDF:30.3/26
Out: 1369.640+/-437.686 χ²/NDF:32.6/30
All: 1783.082+/-305.287 χ²/NDF: 64.6/57

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: 1792.175+/-0.410 χ^2/NDF:17796.1/10

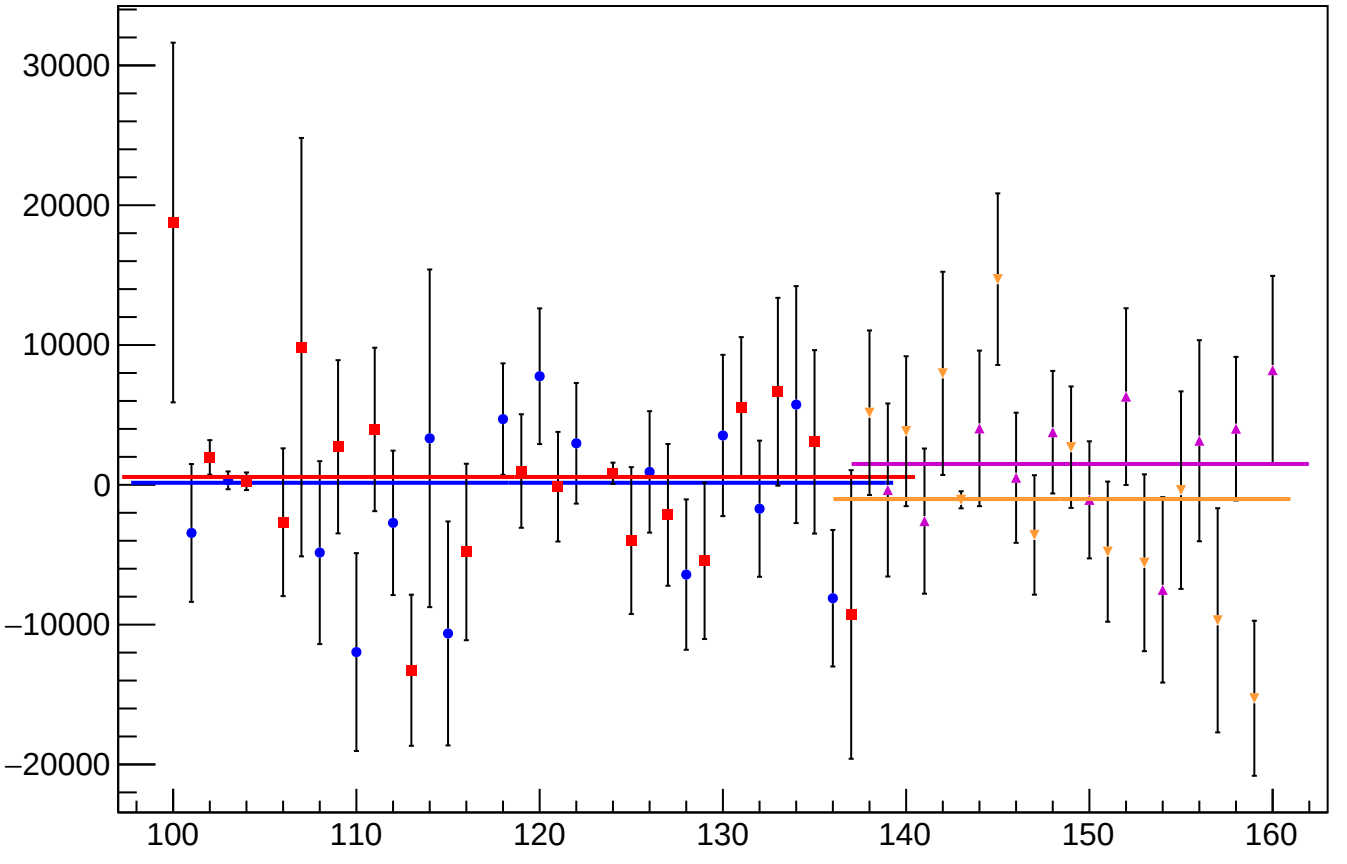
Left: 1812.356+/-0.294 χ^2/NDF: 317450.4/22

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.858+/-0.301 χ^2/NDF:194625.9/26

Out: 1780.313+/-0.309 χ^2/NDF:713883.0/30

All: 1759.580+/-0.216 χ^2/NDF: 917300.5/57



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: 1492.631+/-1627.052 χ^2/NDF:5.3/10

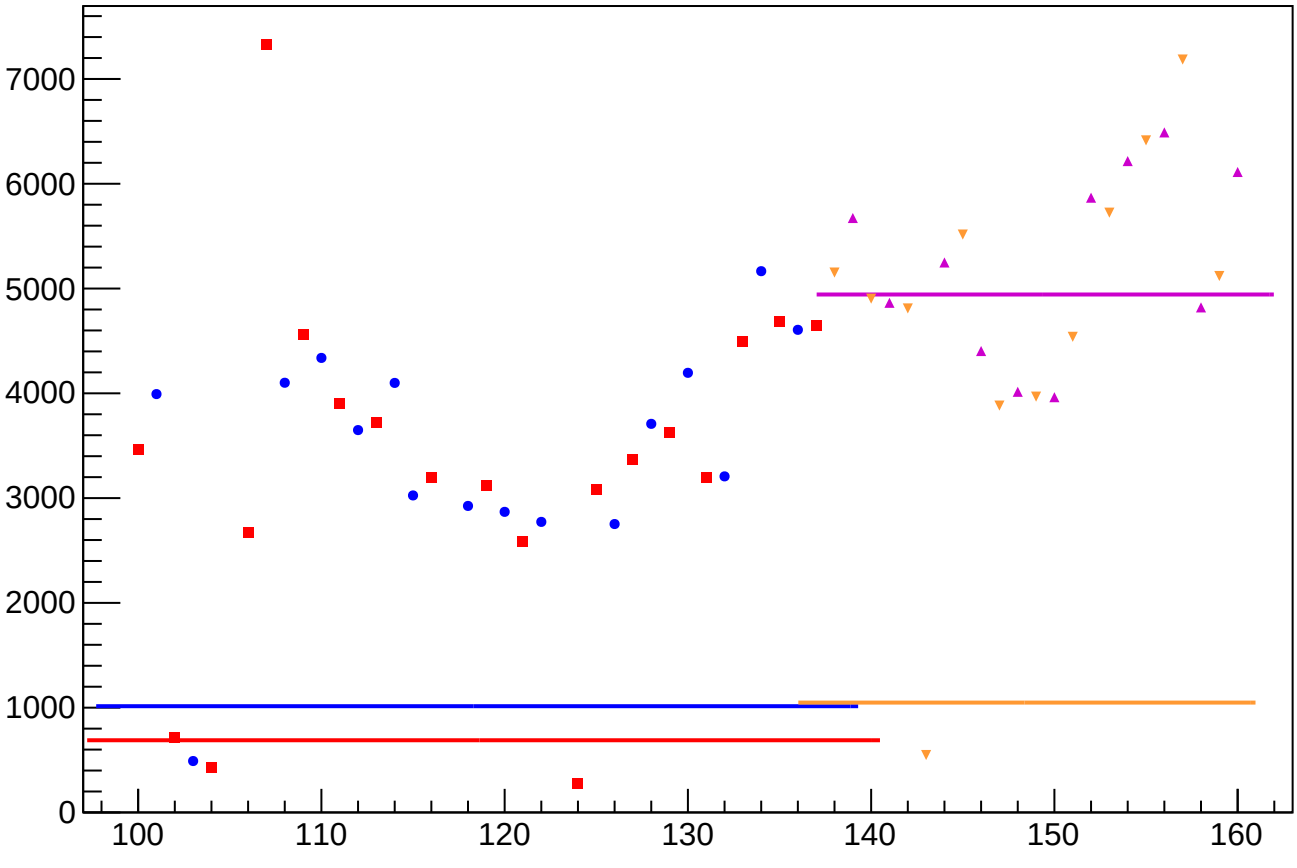
Left: -738.762+/-541.395 χ^2/NDF: 27.4/22

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 298.015+/-545.788 χ^2/NDF:21.7/26

Out: -6.704+/-344.486 χ^2/NDF:42.0/30

All: 80.106+/-291.313 χ^2/NDF: 64.0/57



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: 4943.151+/-1.150 χ^2/NDF:530733.4/10

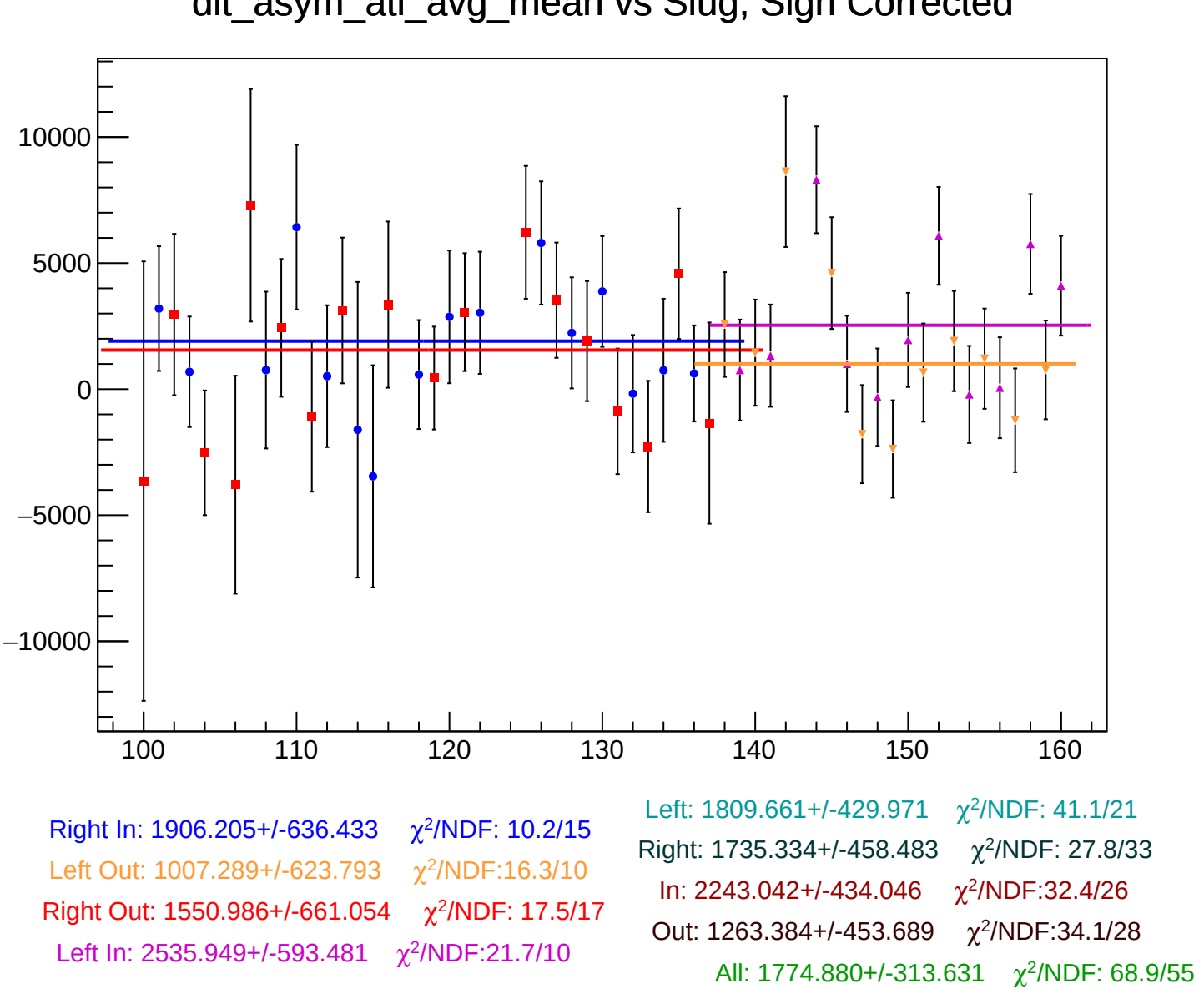
Left: 1479.783+/-0.383 χ^2/NDF: 22914888.6/22

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1456.207+/-0.386 χ^2/NDF:19104224.6/26

Out: 818.497+/-0.244 χ^2/NDF:21606173.8/30

All: 1000.172+/-0.206 χ^2/NDF: 42662958.8/5


dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
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−5000
−10000
100
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130
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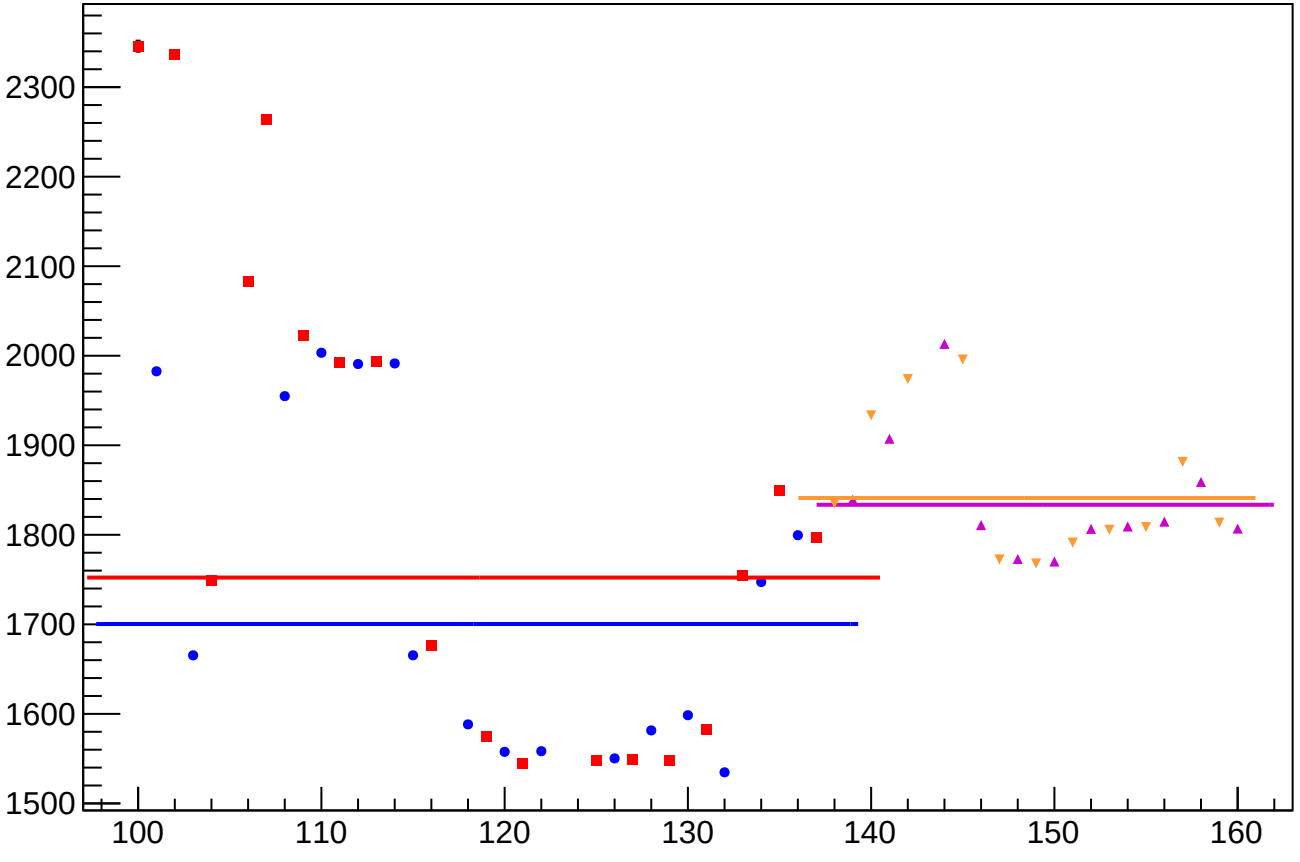
150
160
Right In: 1906.205+/-636.433 χ²/NDF: 10.2/15
Left Out: 1007.289+/-623.793 χ²/NDF:16.3/10
Right Out: 1550.986+/-661.054 χ²/NDF: 17.5/17
Left In: 2535.949+/-593.481 χ²/NDF:21.7/10
Left: 1809.661+/-429.971 χ²/NDF: 41.1/21
Right: 1735.334+/-458.483 χ²/NDF: 27.8/33
In: 2243.042+/-434.046 χ²/NDF:32.4/26
Out: 1263.384+/-453.689 χ²/NDF:34.1/28
All: 1774.880+/-313.631 χ²/NDF: 68.9/55

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1833.555+/-0.420 χ^2/NDF:23127.2/10

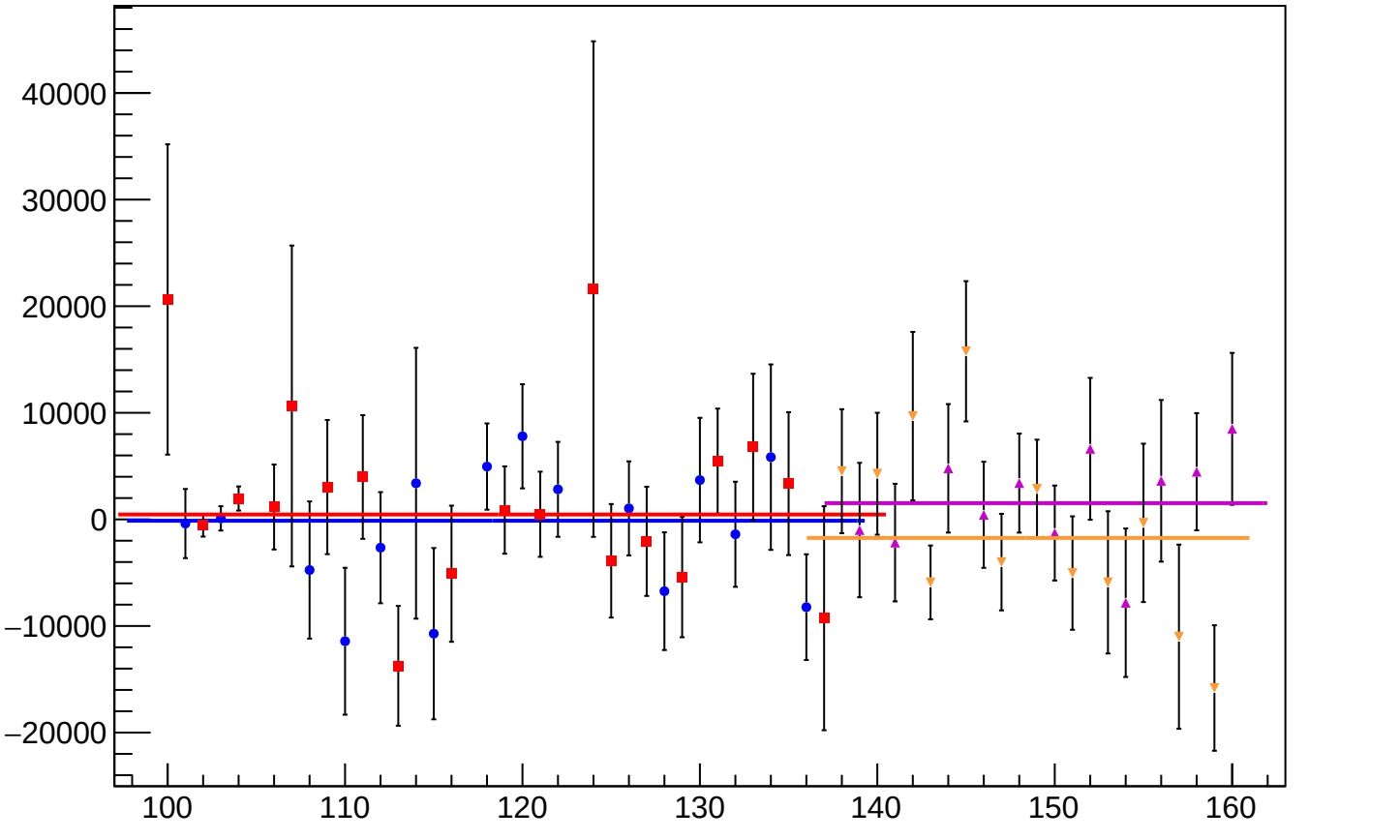
Left: 1837.158+/-0.304 χ^2/NDF: 49812.1/21

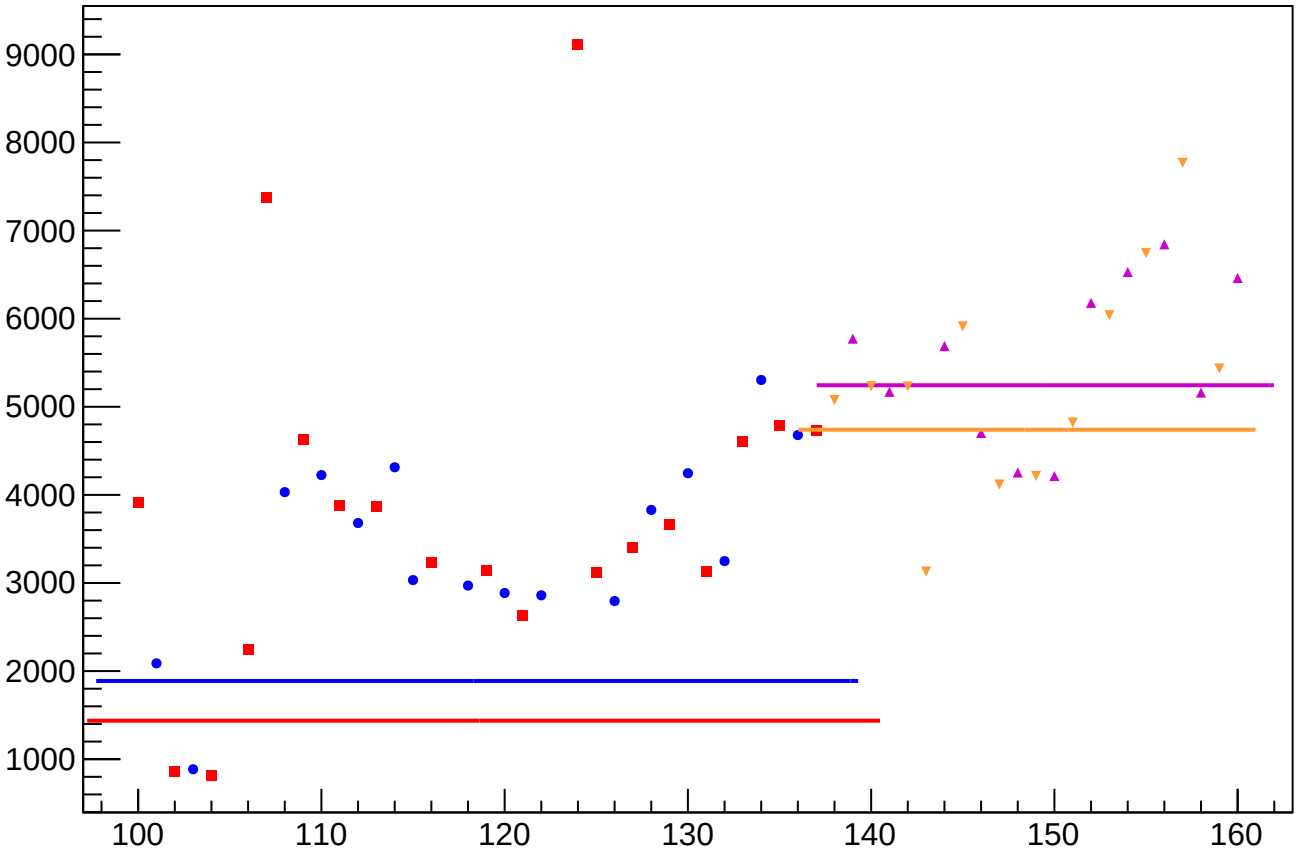
Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1771.602+/-0.307 χ^2/NDF:205403.9/26

Out: 1799.163+/-0.320 χ^2/NDF:293661.5/28

All: 1784.788+/-0.222 χ^2/NDF: 502923.2/55


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: -1739.758+/-1588.305 χ²/NDF:21.8/11
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: 1523.969+/-1725.073 χ²/NDF:5.2/10
Left: -242.384+/-1168.465 χ²/NDF: 29.0/22
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: 207.548+/-775.125 χ²/NDF:21.0/26
Out: 119.486+/-624.463 χ²/NDF:41.9/30
All: 154.146+/-486.286 χ²/NDF: 63.0/57



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4739.629+/-1.123 χ^2/NDF:1084254.2/11

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5244.666+/-1.220 χ^2/NDF:502481.3/10

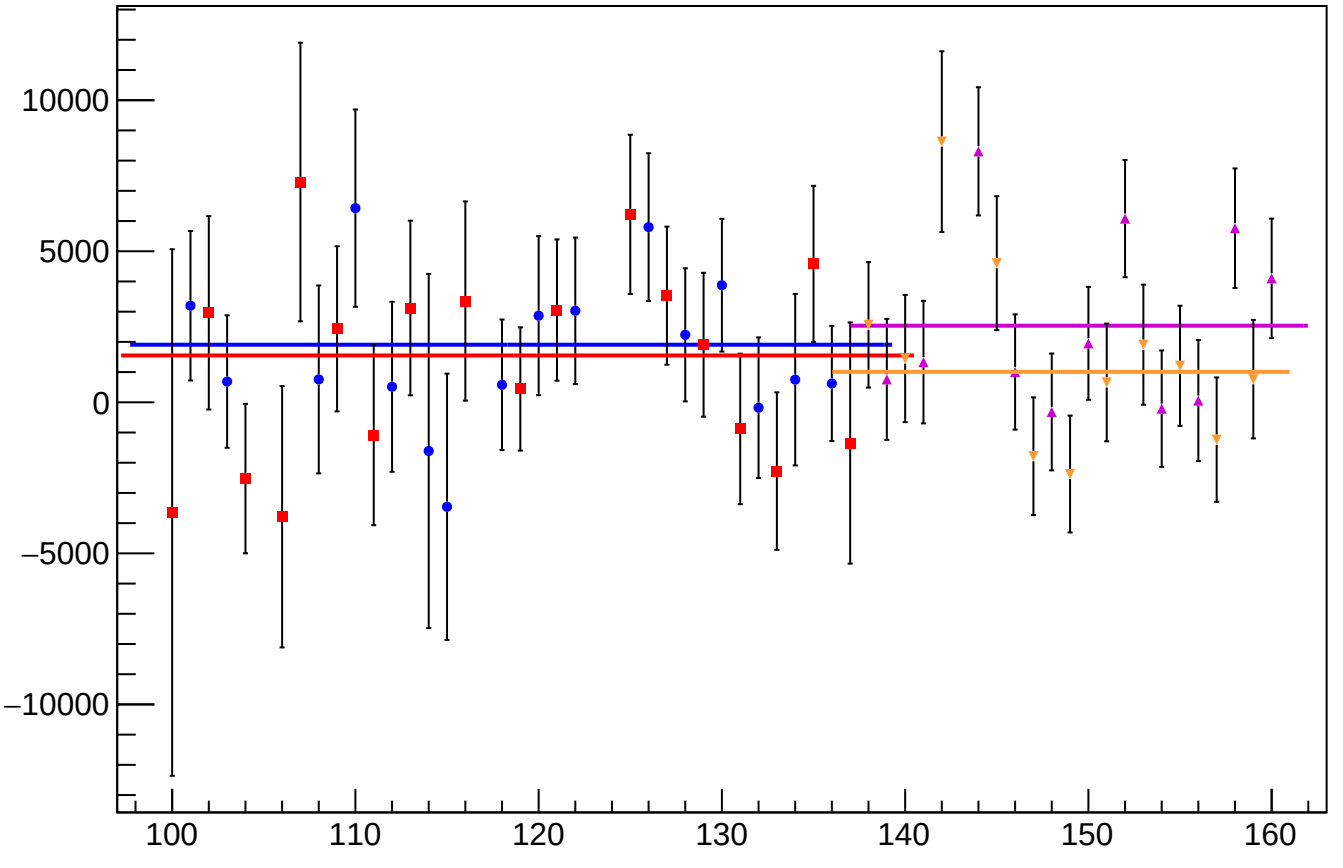
Left: 4971.336+/-0.826 χ^2/NDF: 1679509.4/22

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2565.698+/-0.548 χ^2/NDF:10971708.9/26

Out: 1947.603+/-0.442 χ^2/NDF:14358612.1/30

All: 2190.877+/-0.344 χ^2/NDF: 26101518.8/5



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: 2535.949+/-593.482 χ^2/NDF:21.7/10

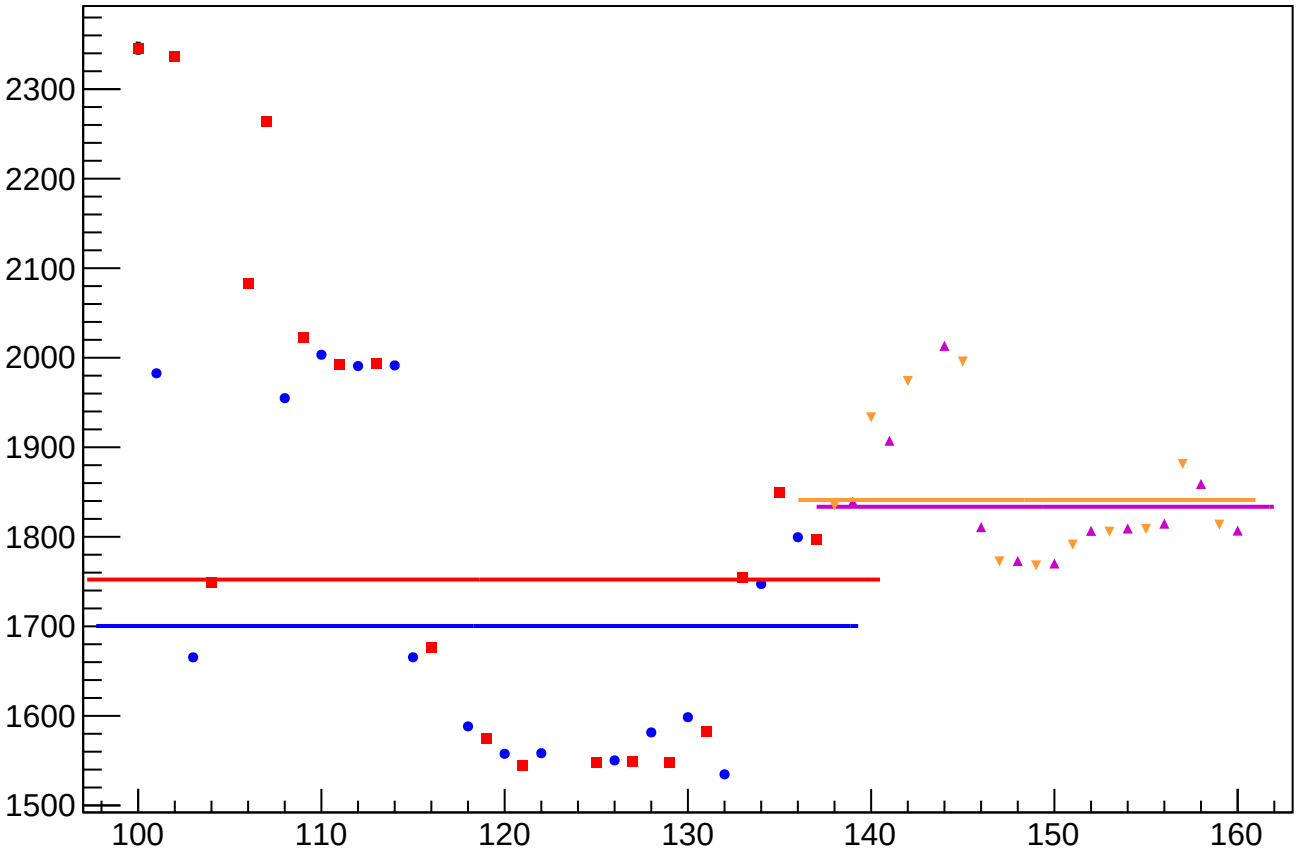
Left: 1809.661+/-429.972 χ^2/NDF: 41.1/21

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2243.042+/-434.046 χ^2/NDF:32.4/26

Out: 1263.382+/-453.689 χ^2/NDF:34.1/28

All: 1774.879+/-313.631 χ^2/NDF: 68.9/55



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: 1833.557+/-0.420 χ^2/NDF:23127.5/10

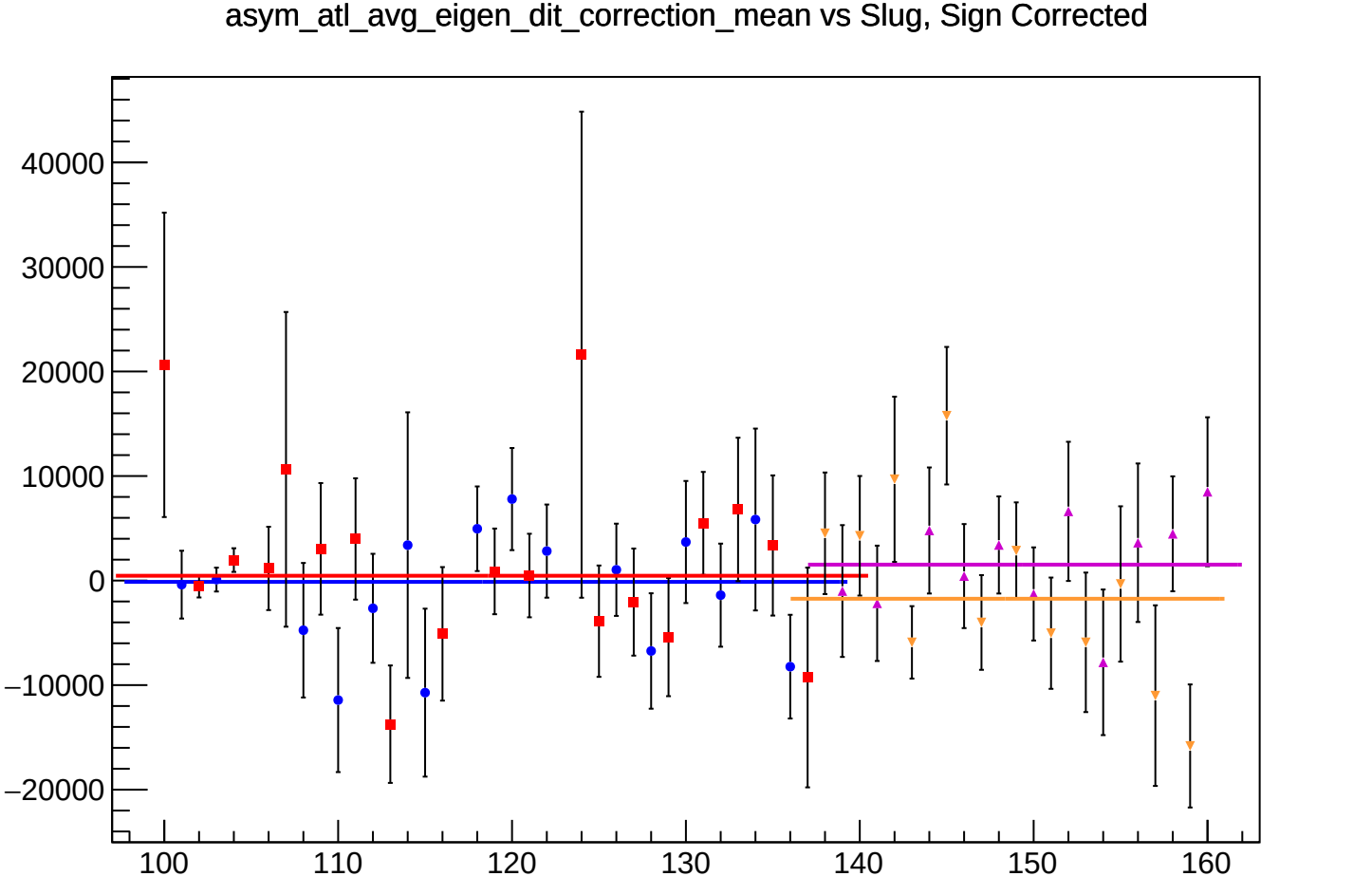
Left: 1837.159+/-0.304 χ^2/NDF: 49812.9/21

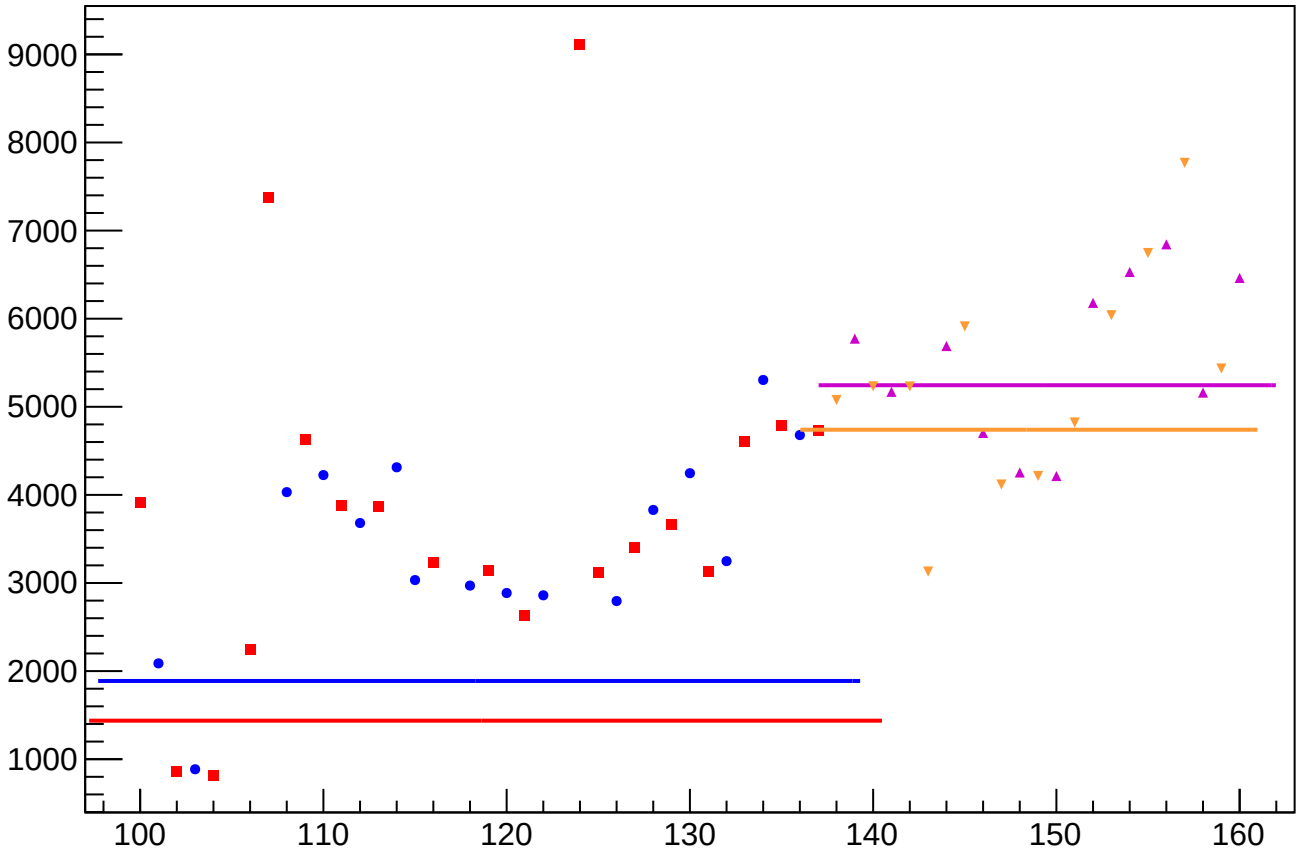
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1771.603+/-0.307 χ^2/NDF:205405.5/26

Out: 1799.163+/-0.320 χ^2/NDF:293662.3/28

All: 1784.788+/-0.222 χ^2/NDF: 502925.6/55


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -1739.765+/-1588.307 χ²/NDF:21.8/11
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: 1523.970+/-1725.075 χ²/NDF:5.2/10
Left: -242.387+/-1168.466 χ²/NDF: 29.0/22
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: 207.547+/-775.121 χ²/NDF:21.0/26
Out: 119.489+/-624.460 χ²/NDF:41.9/30
All: 154.147+/-486.283 χ²/NDF: 63.0/57



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: 5244.673+/-1.220 χ^2/NDF:502484.4/10

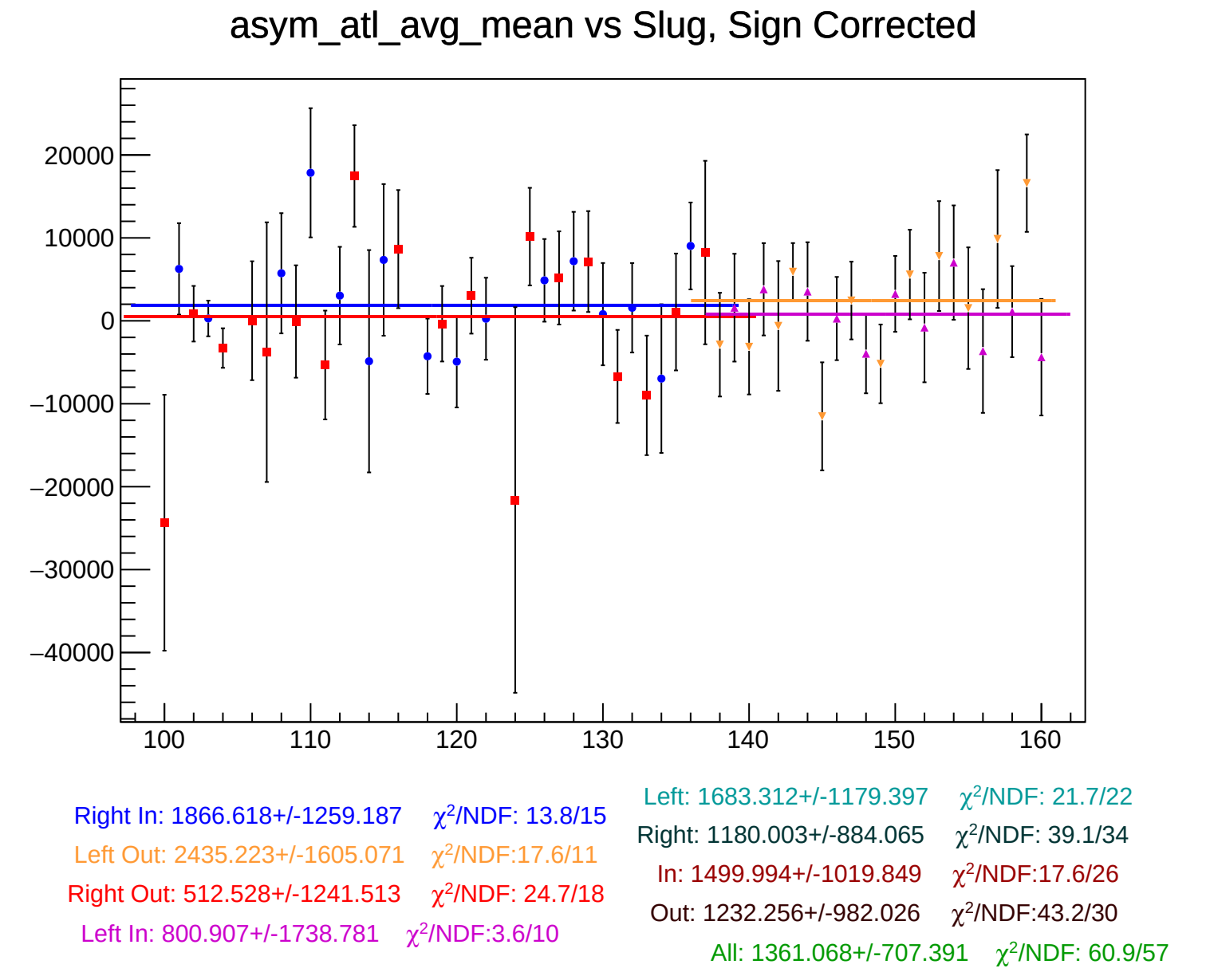
Left: 4971.341+/-0.826 χ^2/NDF: 1679519.6/22

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

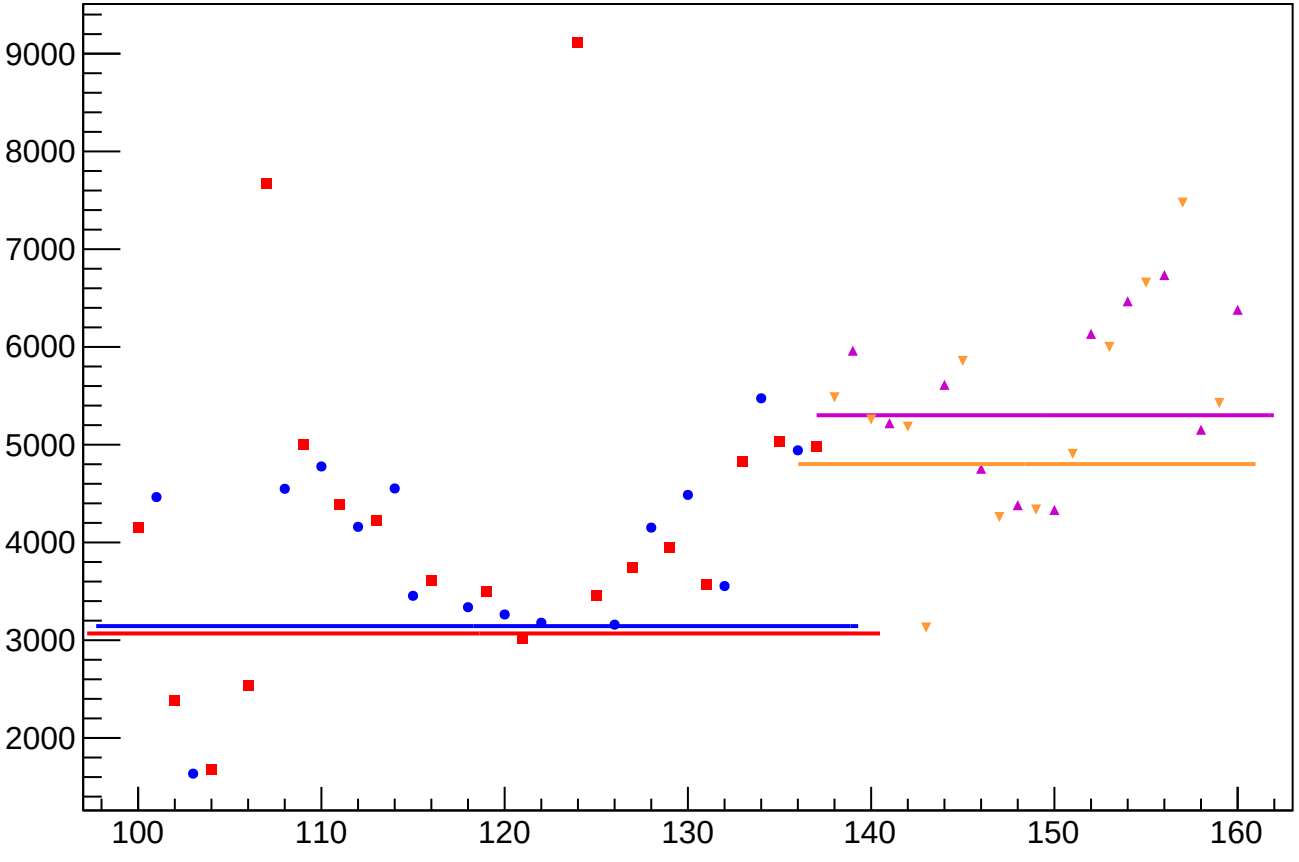
In: 2565.678+/-0.548 χ^2/NDF:10971834.7/26

Out: 1947.585+/-0.442 χ^2/NDF:14358735.5/30

All: 2190.857+/-0.344 χ^2/NDF: 26101770.9/5


asym_atl_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 1866.618+/-1259.187 χ²/NDF: 13.8/15
Left Out: 2435.223+/-1605.071 χ²/NDF:17.6/11
Right Out: 512.528+/-1241.513 χ²/NDF: 24.7/18
Left In: 800.907+/-1738.781 χ²/NDF:3.6/10
Left: 1683.312+/-1179.397 χ²/NDF: 21.7/22
Right: 1180.003+/-884.065 χ²/NDF: 39.1/34
In: 1499.994+/-1019.849 χ²/NDF:17.6/26
Out: 1232.256+/-982.026 χ²/NDF:43.2/30
All: 1361.068+/-707.391 χ²/NDF: 60.9/57

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: 5301.195+/-1.230 χ^2/NDF:425278.2/10

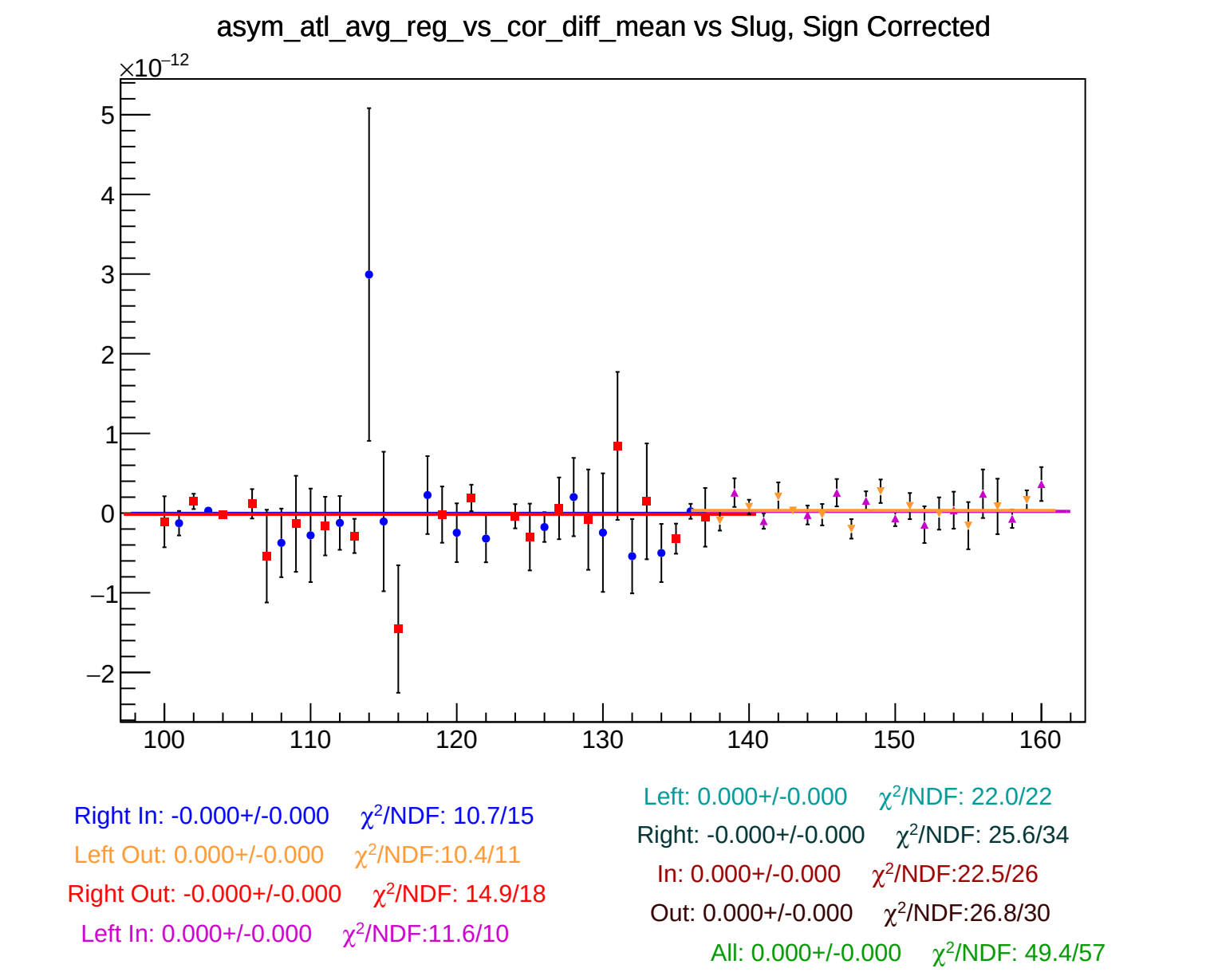
Left: 5031.552+/-0.834 χ^2/NDF: 1543987.4/22

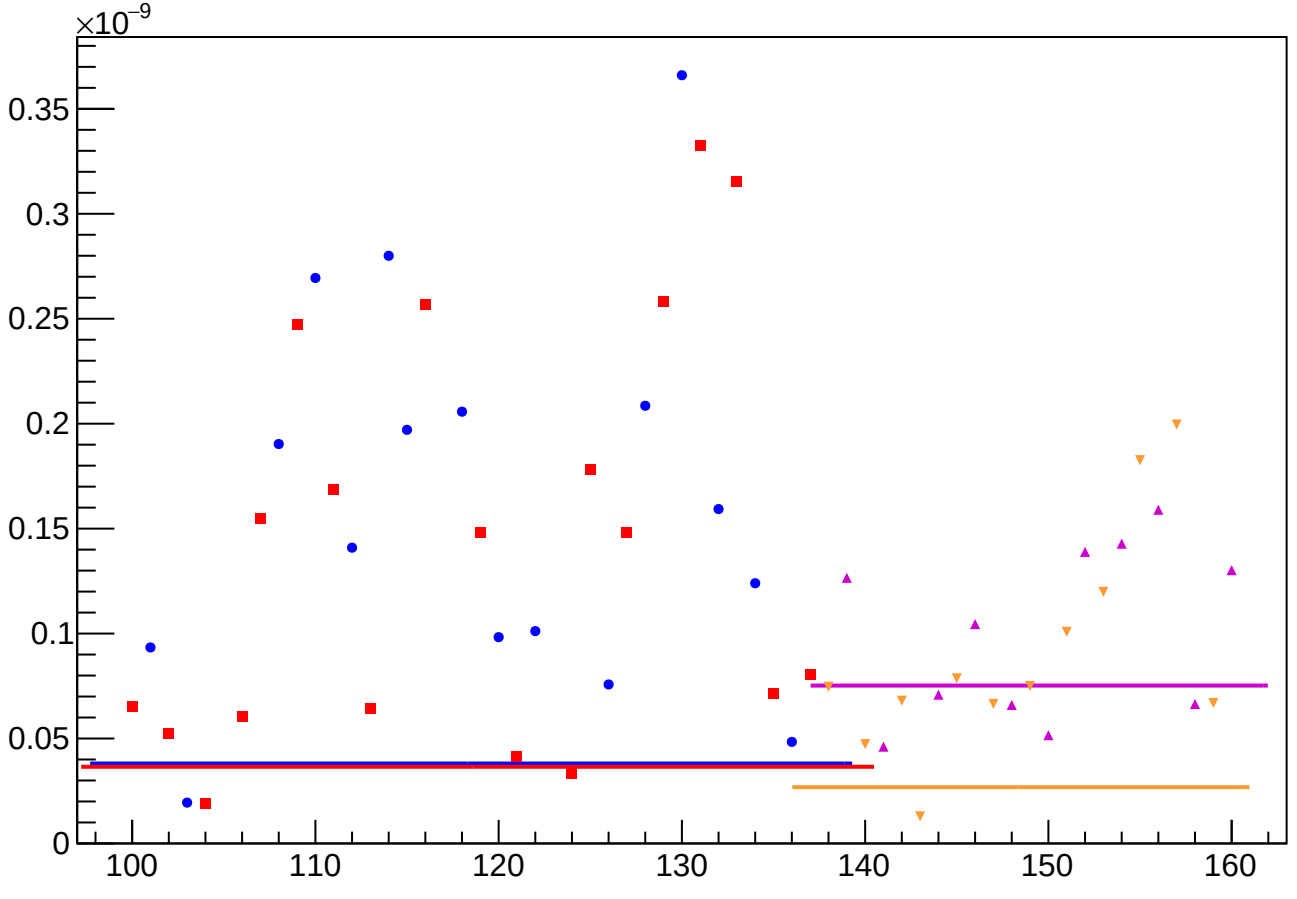
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3886.203+/-0.721 χ^2/NDF:4327510.6/26

Out: 3705.004+/-0.688 χ^2/NDF:4386572.4/30

All: 3791.288+/-0.498 χ^2/NDF: 8747154.2/57


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:10.4/11
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:11.6/10
Left: 0.000+/-0.000 χ²/NDF: 22.0/22
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:22.5/26
Out: 0.000+/-0.000 χ²/NDF:26.8/30
All: 0.000+/-0.000 χ²/NDF: 49.4/57



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:1148027.2/10

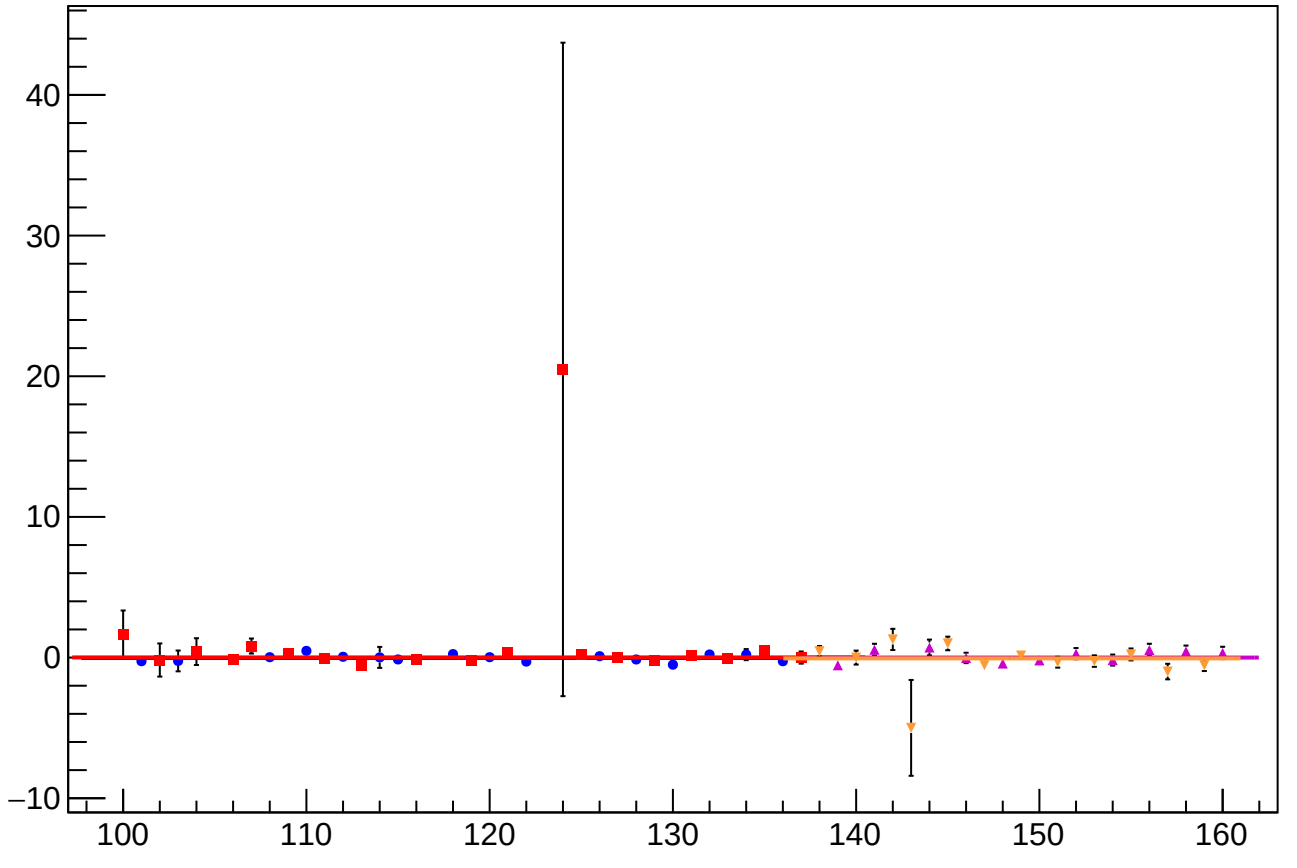
Left: 0.000+/-0.000 χ^2/NDF: 7298308.7/22

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4975185.3/26

Out: 0.000+/-0.000 χ^2/NDF:6837526.0/30

All: 0.000+/-0.000 χ^2/NDF: 12875676.2/57



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: -0.000+/-0.114 χ^2/NDF:13.3/10

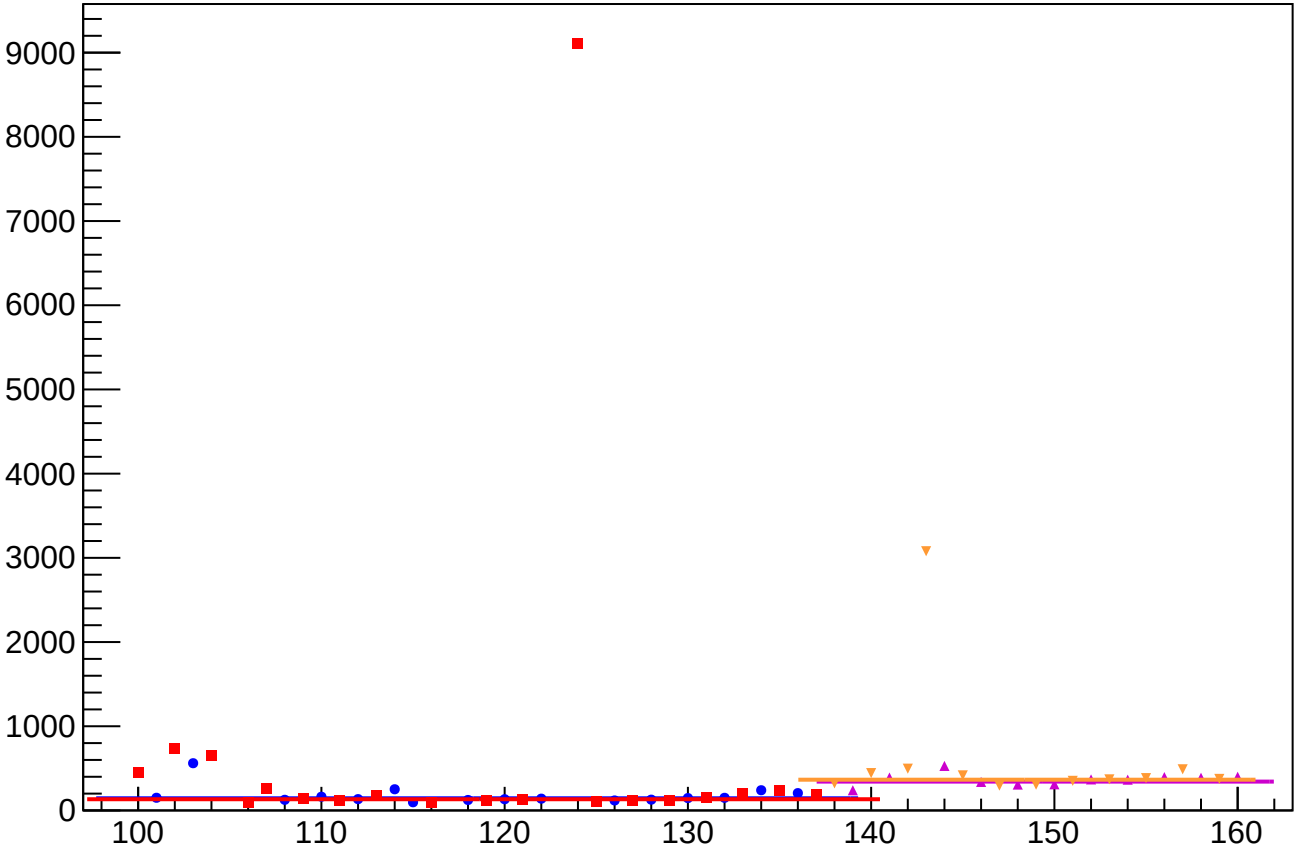
Left: -0.026+/-0.085 χ^2/NDF: 33.4/22

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.012+/-0.036 χ^2/NDF: 72.7/57



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: 342.719+/-0.081 χ^2/NDF:675473.7/10

Left: 352.900+/-0.060 χ^2/NDF: 2401918.0/22

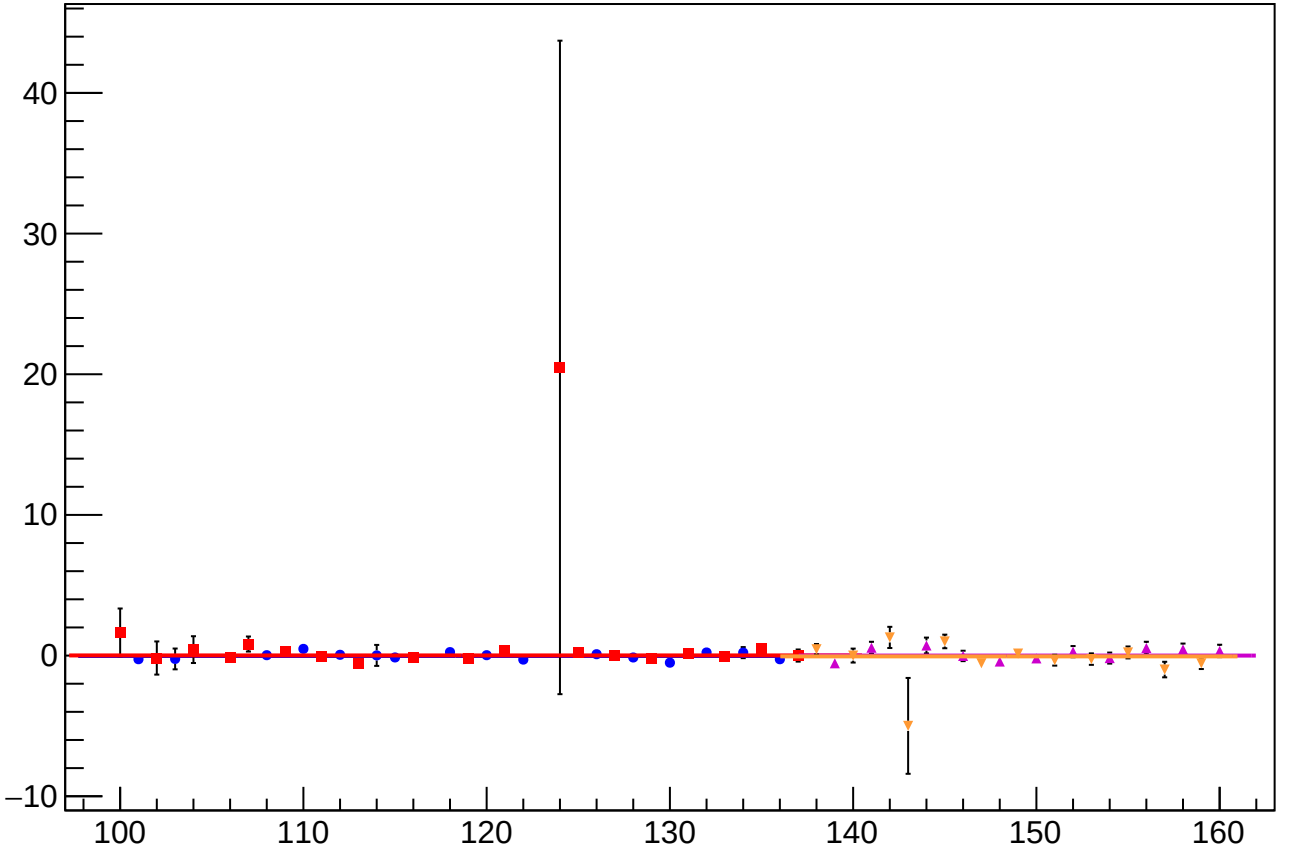
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 184.697+/-0.036 χ^2/NDF:6599630.5/26

Out: 172.229+/-0.036 χ^2/NDF:9573853.3/30

All: 178.456+/-0.026 χ^2/NDF: 16231929.7/57

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: -0.000+/-0.114 χ^2/NDF:13.3/10

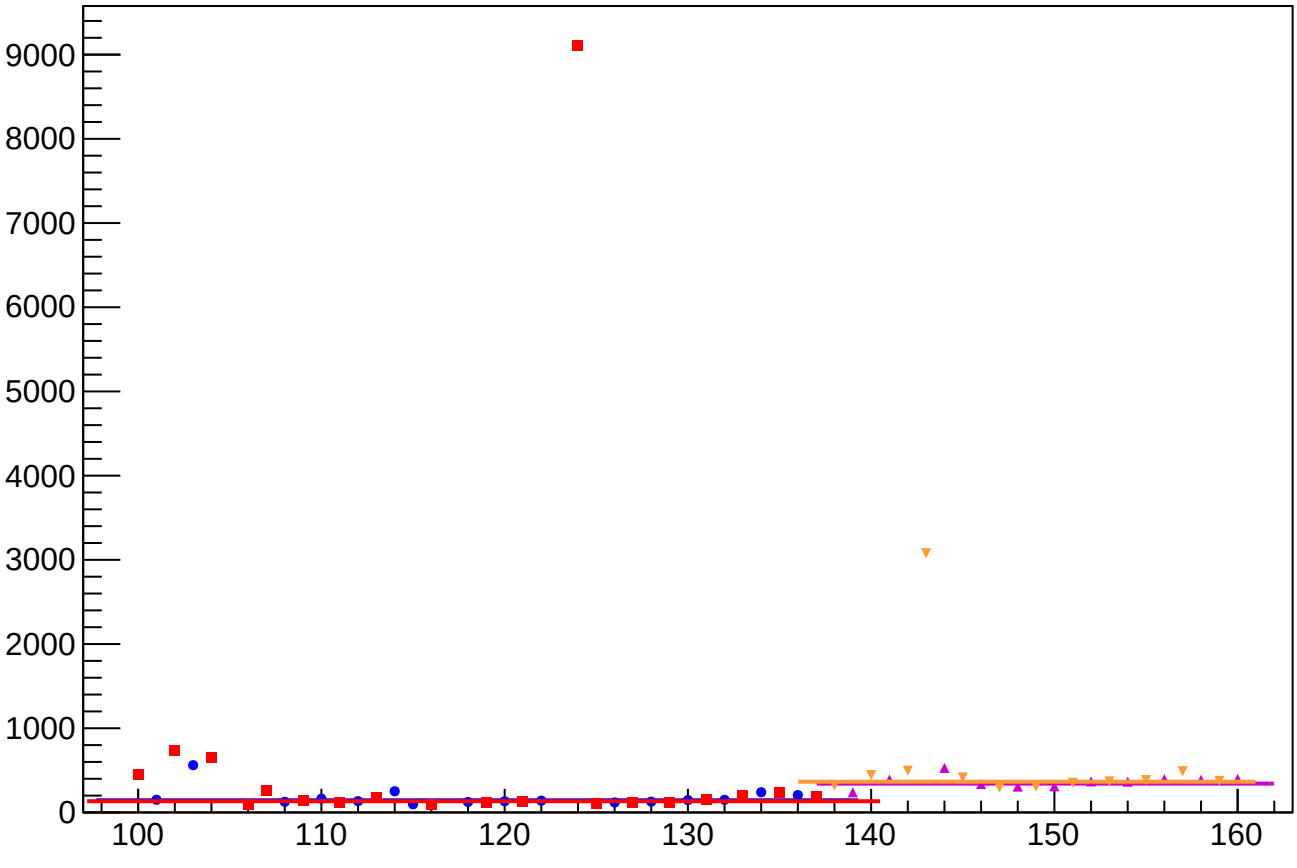
Left: -0.026+/-0.085 χ^2/NDF: 33.4/22

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.012+/-0.036 χ^2/NDF: 72.7/57



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: 342.719+/-0.081 χ^2/NDF:675473.7/10

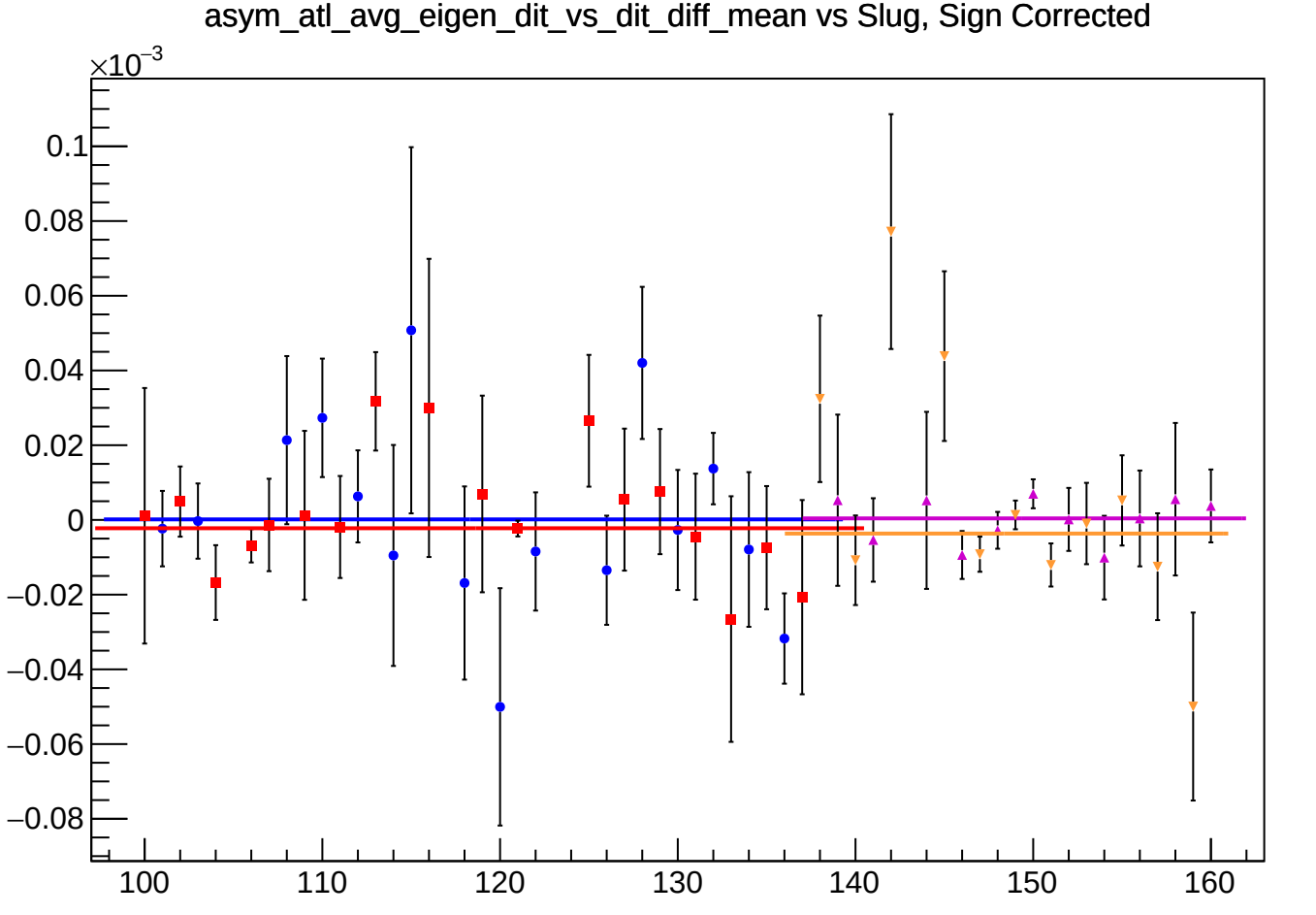
Left: 352.900+/-0.060 χ^2/NDF: 2401918.0/22

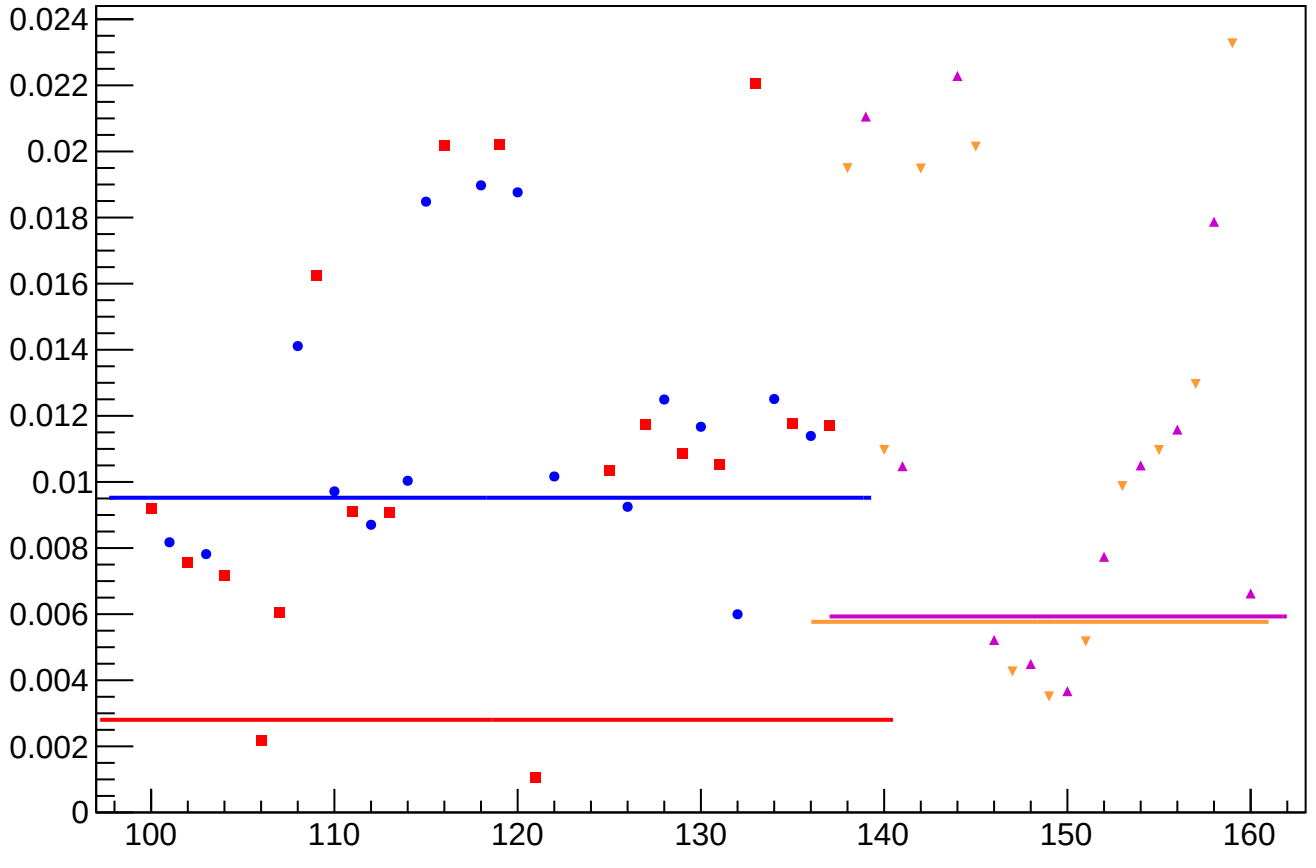
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 184.697+/-0.036 χ^2/NDF:6599630.5/26

Out: 172.229+/-0.036 χ^2/NDF:9573853.3/30

All: 178.456+/-0.026 χ^2/NDF: 16231929.7/57


asym_atl_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: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:7.0/10
Left: -0.000+/-0.000 χ²/NDF: 32.1/21
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:29.8/26
Out: -0.000+/-0.000 χ²/NDF:39.4/28
All: -0.000+/-0.000 χ²/NDF: 70.8/55



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:4537751.0/10

Left: 0.006+/-0.000 χ^2/NDF: 9907204.7/21

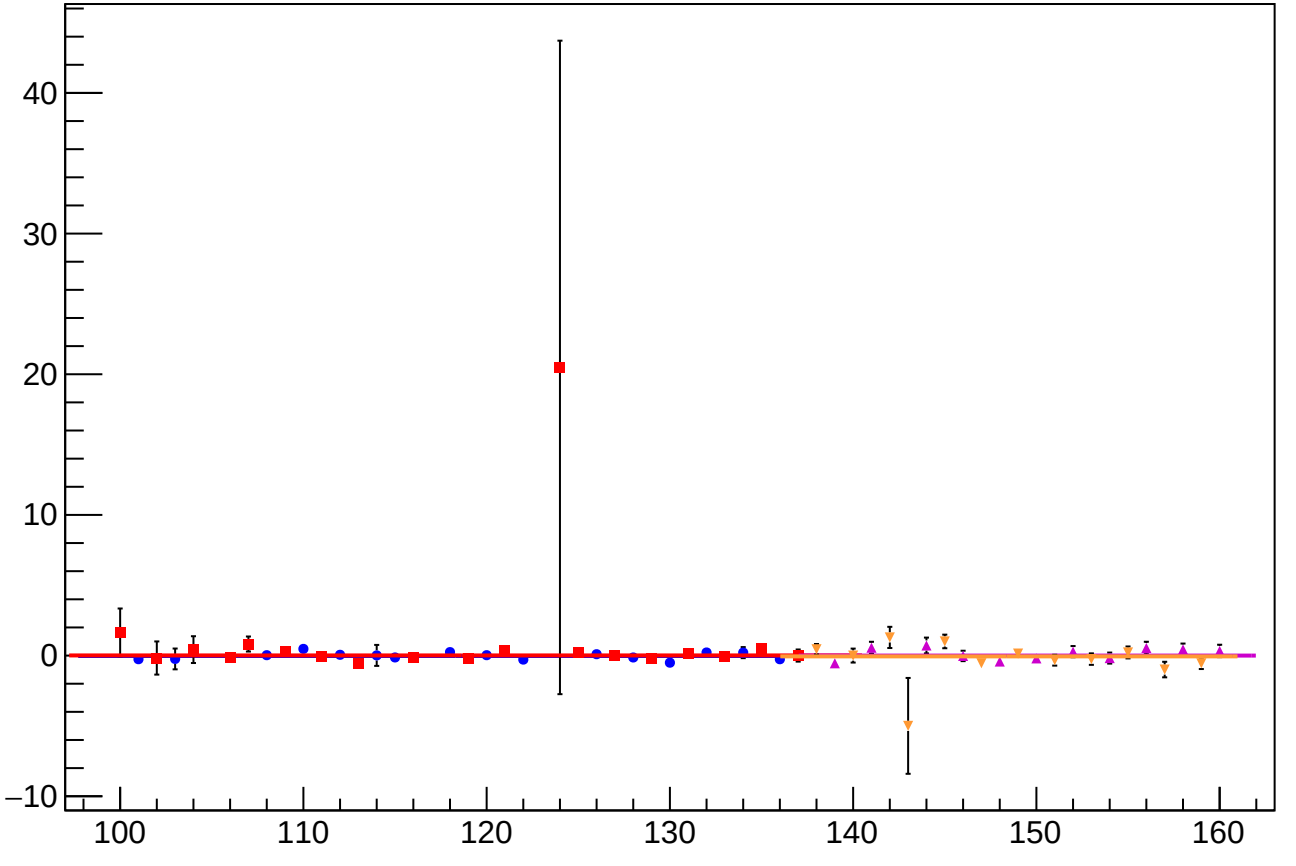
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:6998726.8/26

Out: 0.004+/-0.000 χ^2/NDF:15973419.3/28

All: 0.005+/-0.000 χ^2/NDF: 26279481.6/55

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: -0.000+/-0.114 χ^2/NDF:13.2/10

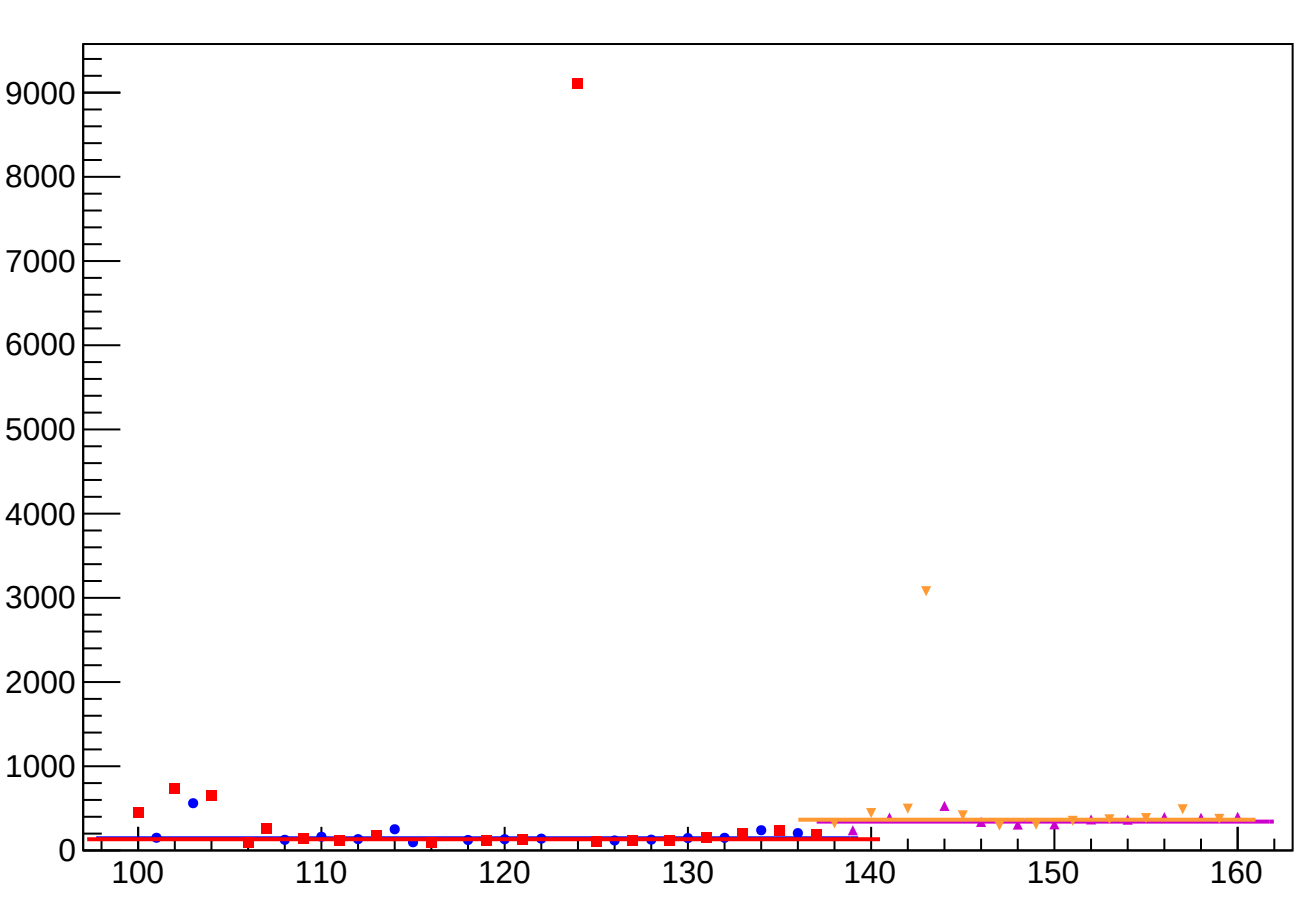
Left: -0.026+/-0.085 χ^2/NDF: 33.4/22

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.012+/-0.036 χ^2/NDF: 72.7/57



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: 342.724+/-0.081 χ^2/NDF:675469.4/10

Left: 352.905+/-0.060 χ^2/NDF: 2401945.8/22

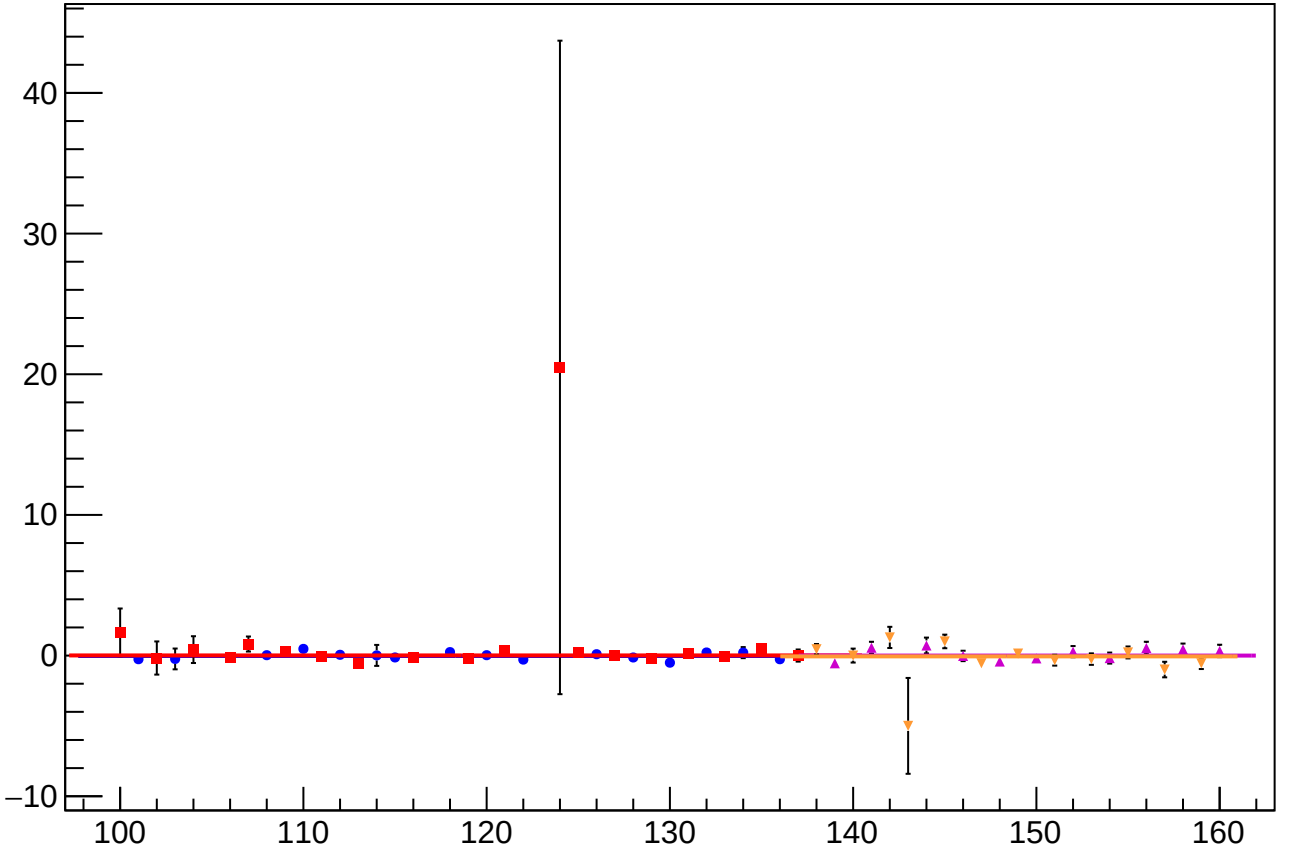
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 184.696+/-0.036 χ^2/NDF:6599876.1/26

Out: 172.228+/-0.036 χ^2/NDF:9573983.5/30

All: 178.455+/-0.026 χ^2/NDF: 16232299.9/57

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: -0.000+/-0.114 χ^2/NDF:13.2/10

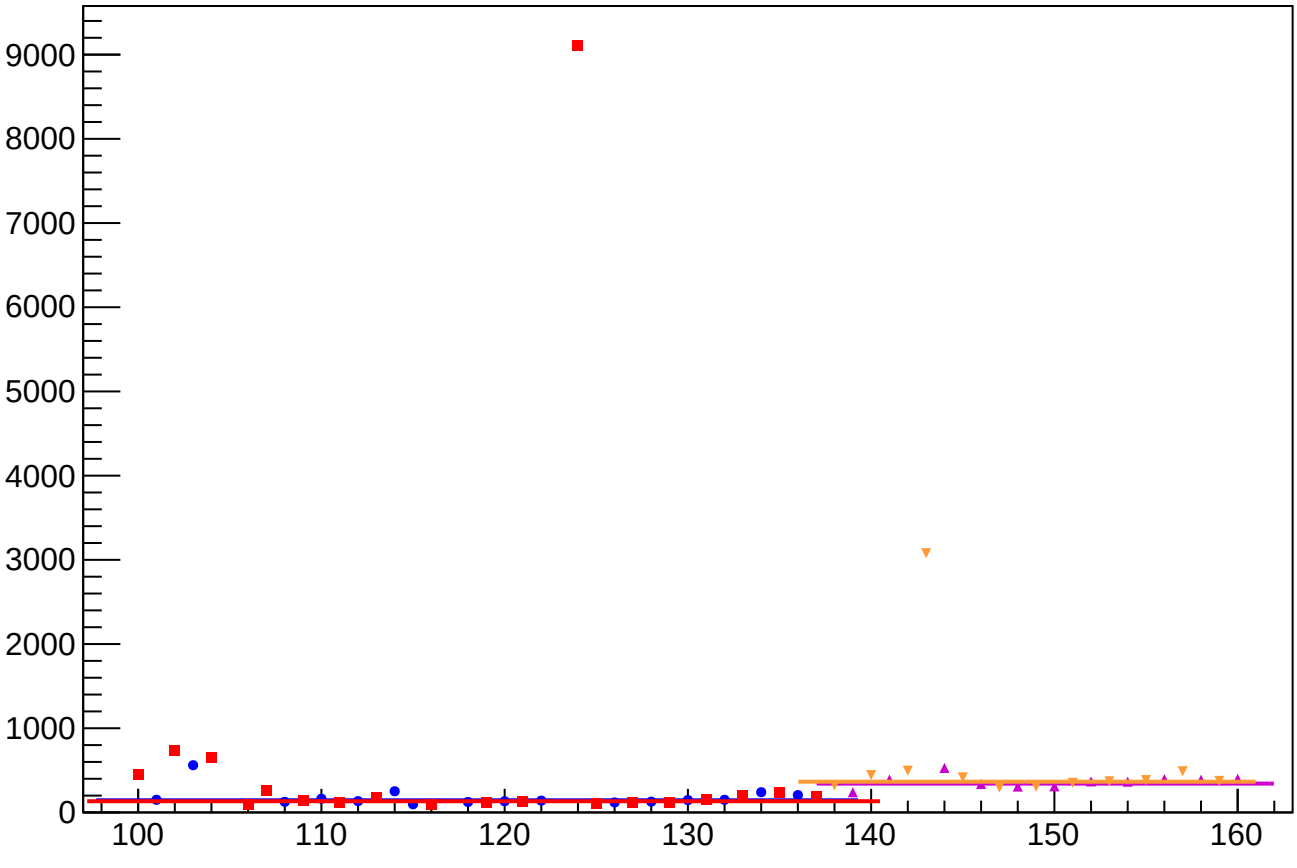
Left: -0.026+/-0.085 χ^2/NDF: 33.4/22

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.001+/-0.052 χ^2/NDF:42.1/30

All: -0.012+/-0.036 χ^2/NDF: 72.7/57



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: 342.724+/-0.081 χ^2/NDF:675469.4/10

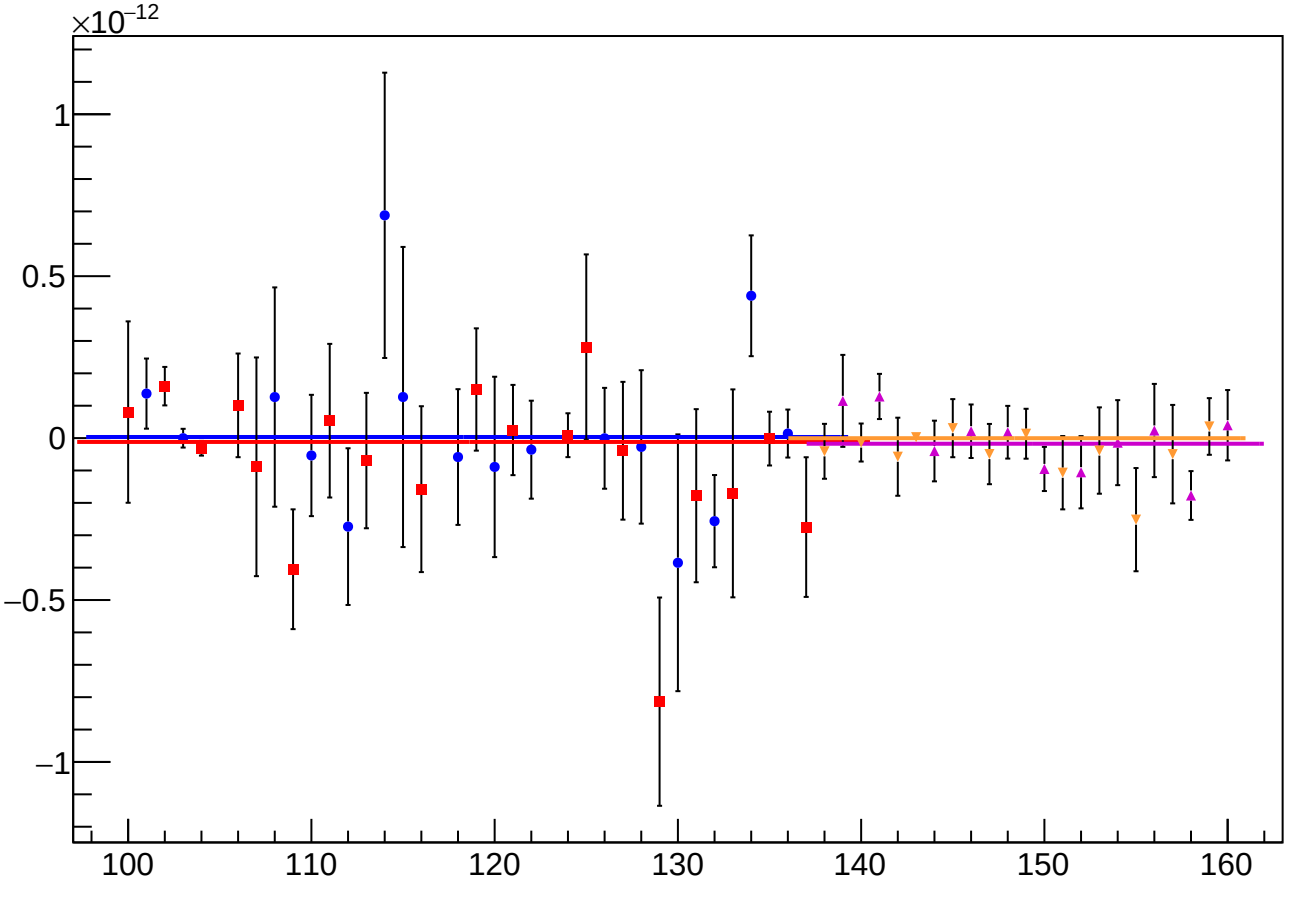
Left: 352.905+/-0.060 χ^2/NDF: 2401945.8/22

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 184.696+/-0.036 χ^2/NDF:6599876.1/26

Out: 172.228+/-0.036 χ^2/NDF:9573983.5/30

All: 178.455+/-0.026 χ^2/NDF: 16232299.9/57



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:12.5/10

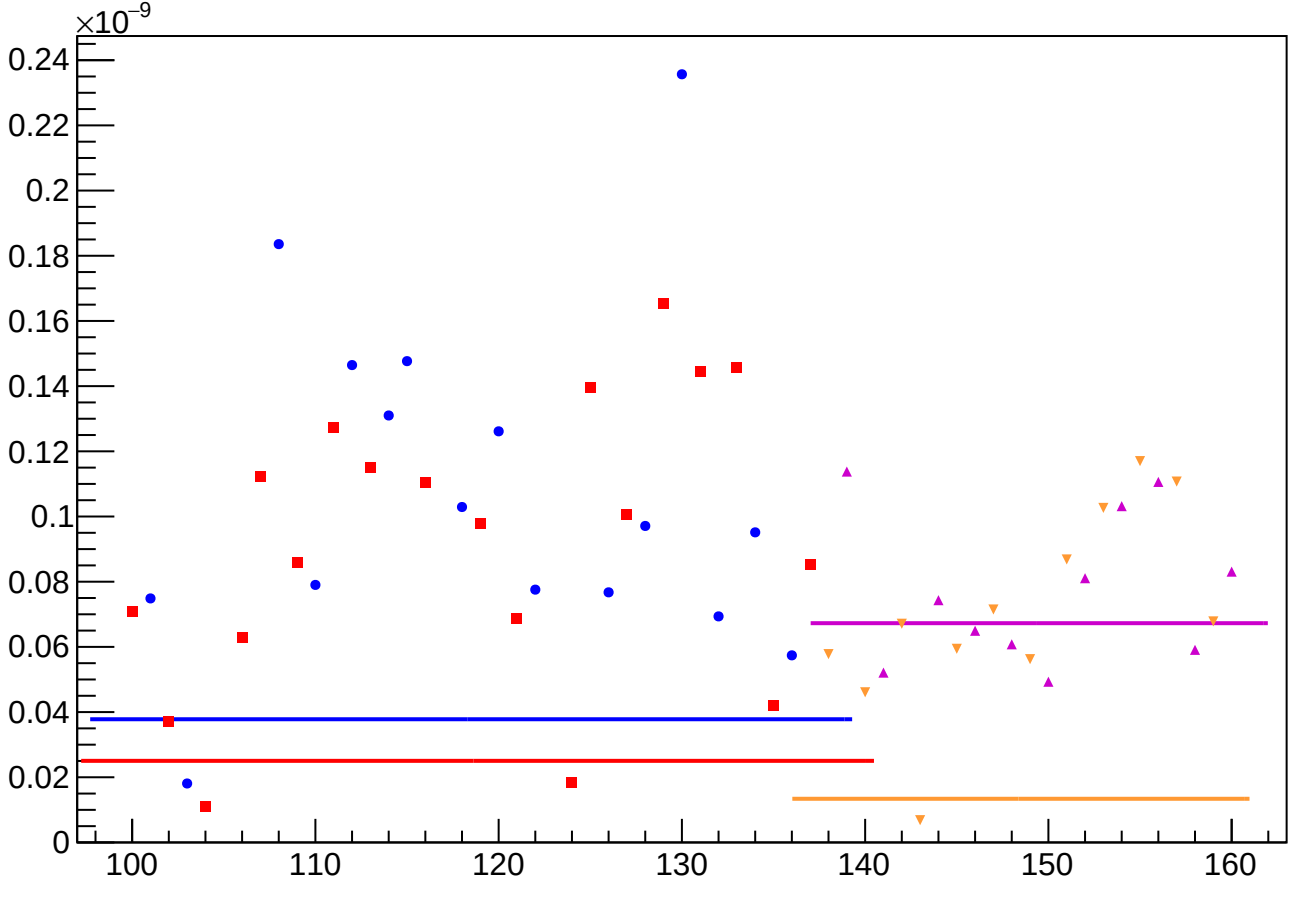
Left: -0.000+/-0.000 χ^2/NDF: 17.6/22

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.5/26

Out: -0.000+/-0.000 χ^2/NDF:30.2/30

All: -0.000+/-0.000 χ^2/NDF: 58.7/57



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:901021.3/10

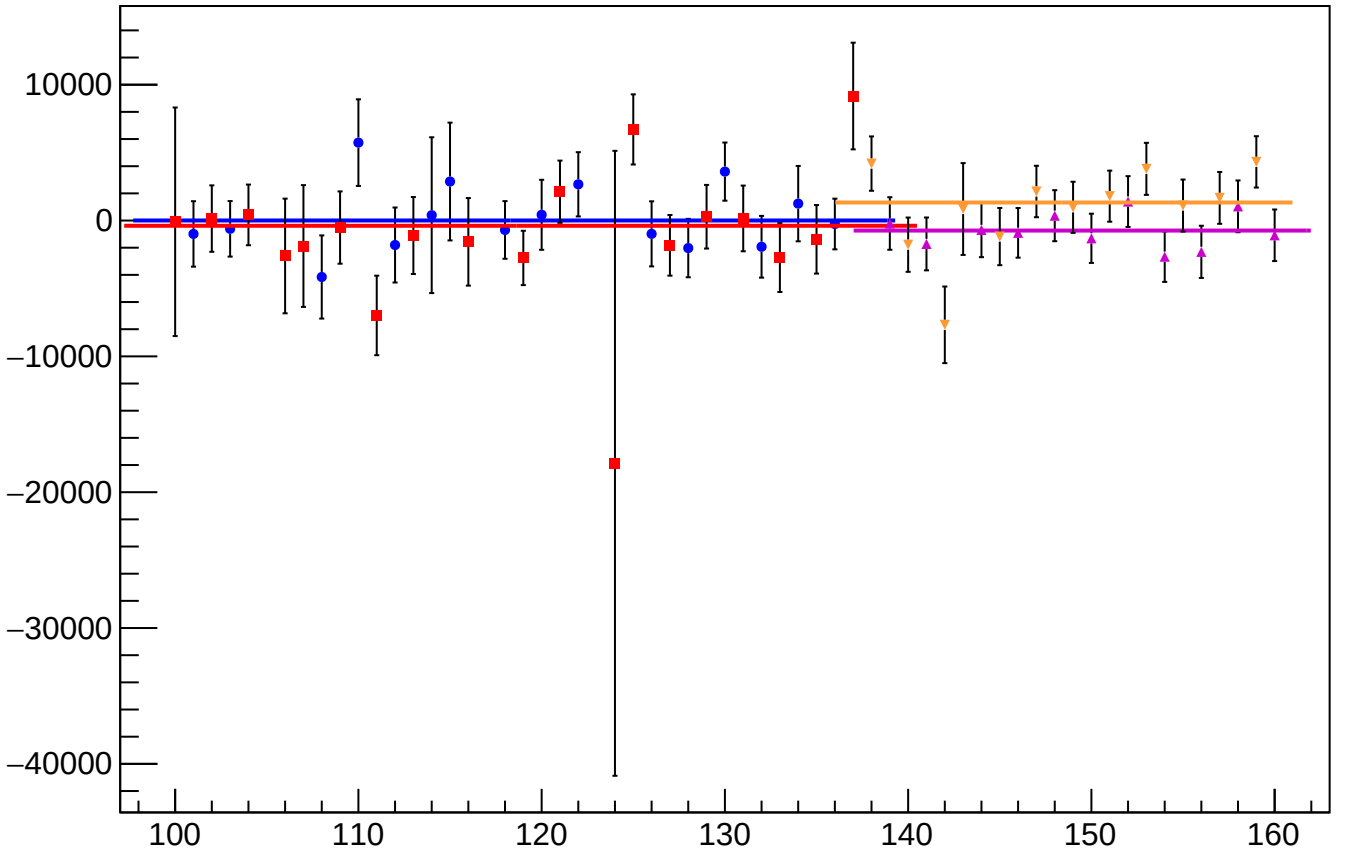
Left: 0.000+/-0.000 χ^2/NDF: 16315458.2/22

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:6155245.9/26

Out: 0.000+/-0.000 χ^2/NDF:13846683.4/30

All: 0.000+/-0.000 χ^2/NDF: 26091980.8/57



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: -737.692+/-571.091 χ^2/NDF:4.7/10

Left: 263.418+/-409.993 χ^2/NDF: 31.7/22

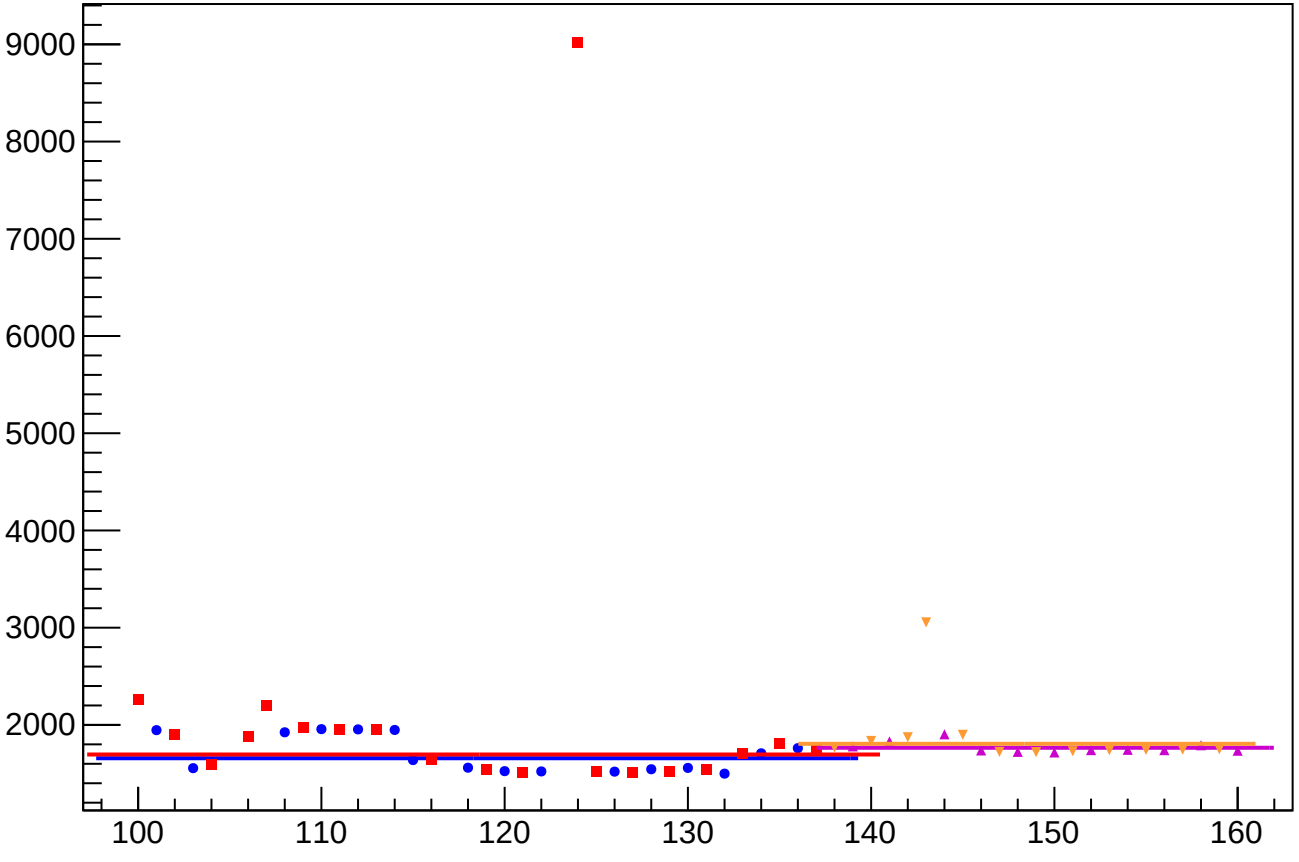
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -397.023+/-420.021 χ^2/NDF:17.9/26

Out: 534.269+/-431.401 χ^2/NDF:48.6/30

All: 56.178+/-300.943 χ^2/NDF: 68.9/57

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: 1764.897+/-0.404 χ^2/NDF:16529.1/10

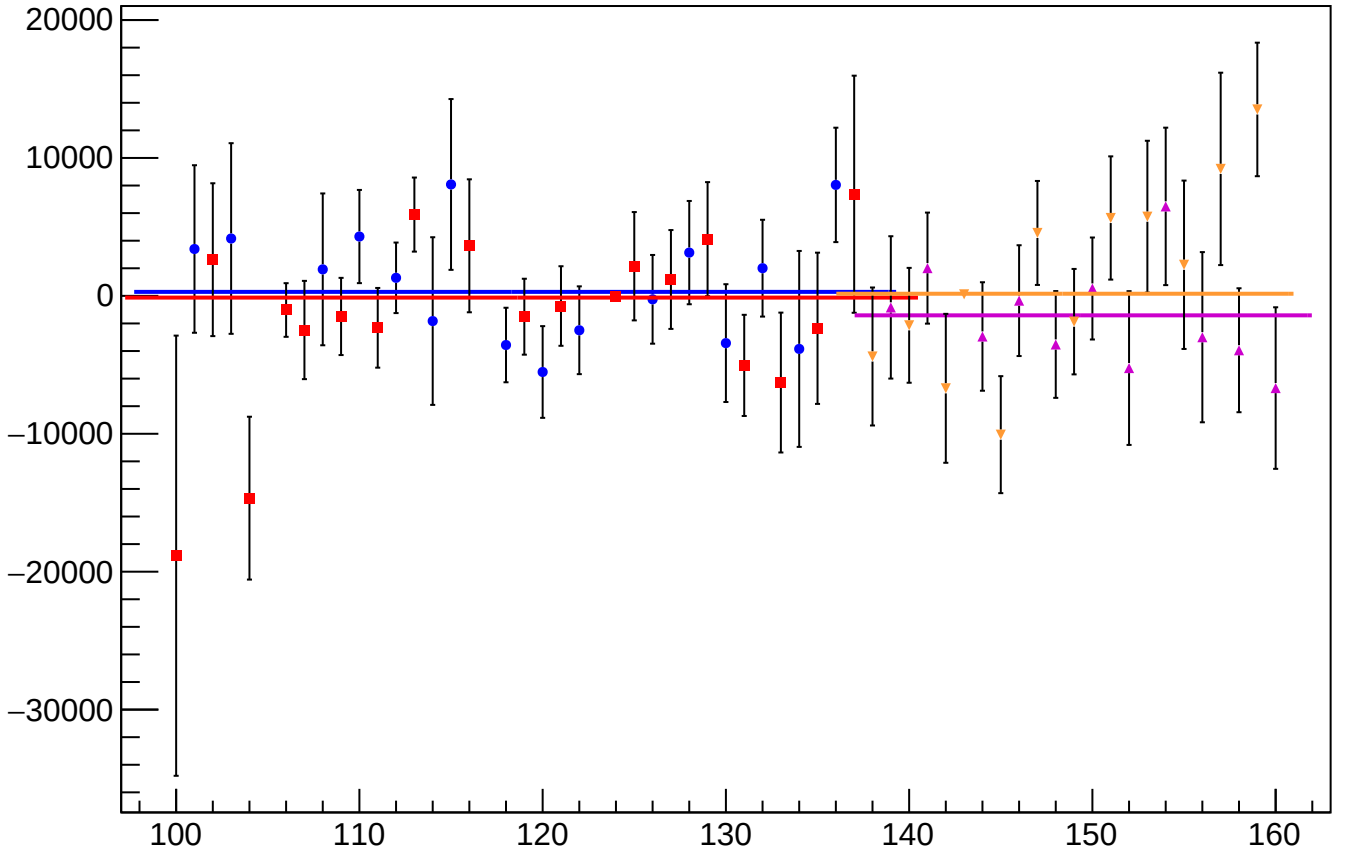
Left: 1784.657+/-0.290 χ^2/NDF: 320066.8/22

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1715.418+/-0.297 χ^2/NDF:193213.1/26

Out: 1754.427+/-0.304 χ^2/NDF:717321.6/30

All: 1734.443+/-0.213 χ^2/NDF: 918948.4/57



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: -1412.181+/-1369.084 χ^2/NDF:5.1/10

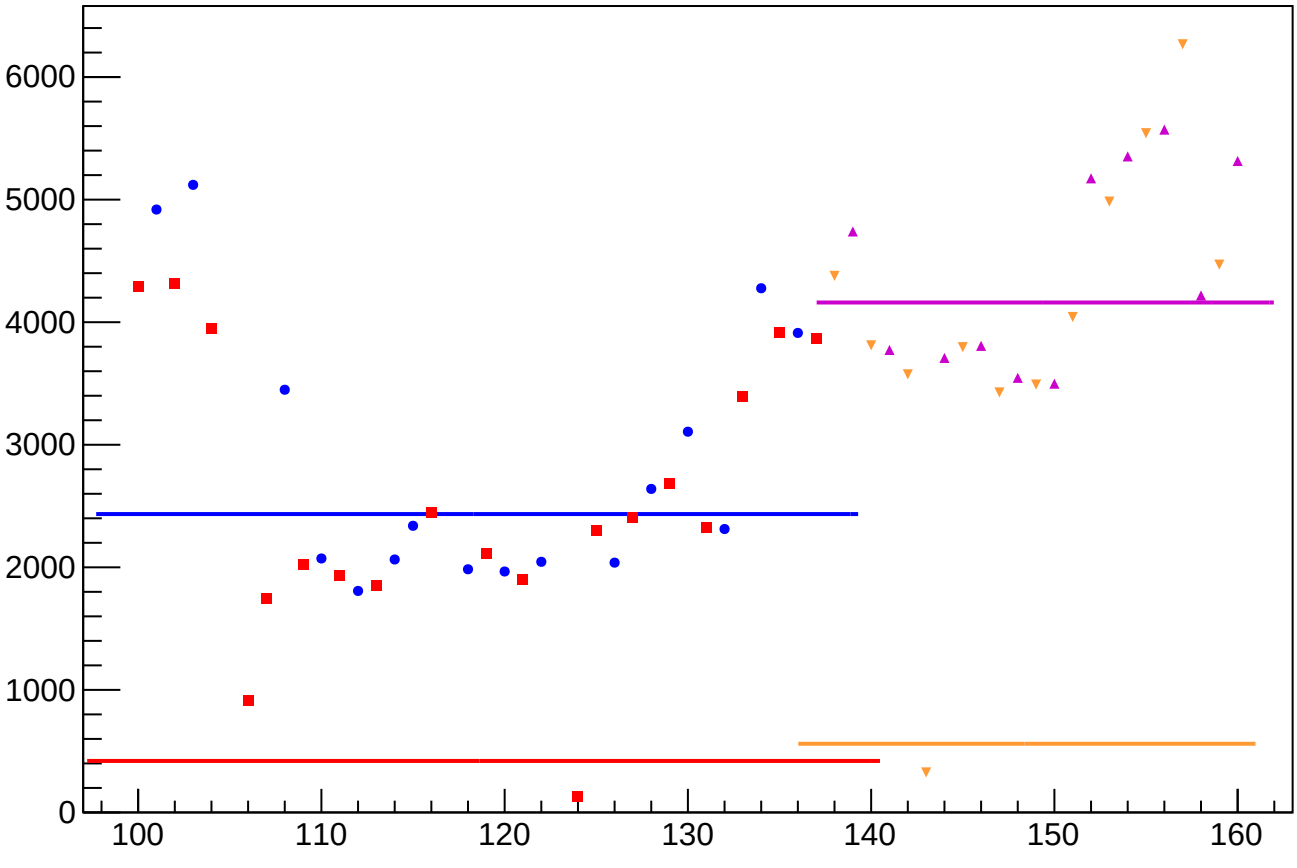
Left: 56.536+/-341.492 χ^2/NDF: 28.5/22

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -272.398+/-786.607 χ^2/NDF:21.4/26

Out: 2.262+/-238.471 χ^2/NDF:43.4/30

All: -20.857+/-228.214 χ^2/NDF: 64.8/57



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 560.429+/-0.249 χ^2/NDF:13807680.0/11

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4160.761+/-0.968 χ^2/NDF:536001.9/10

Left: 784.426+/-0.241 χ^2/NDF: 27314220.8/22

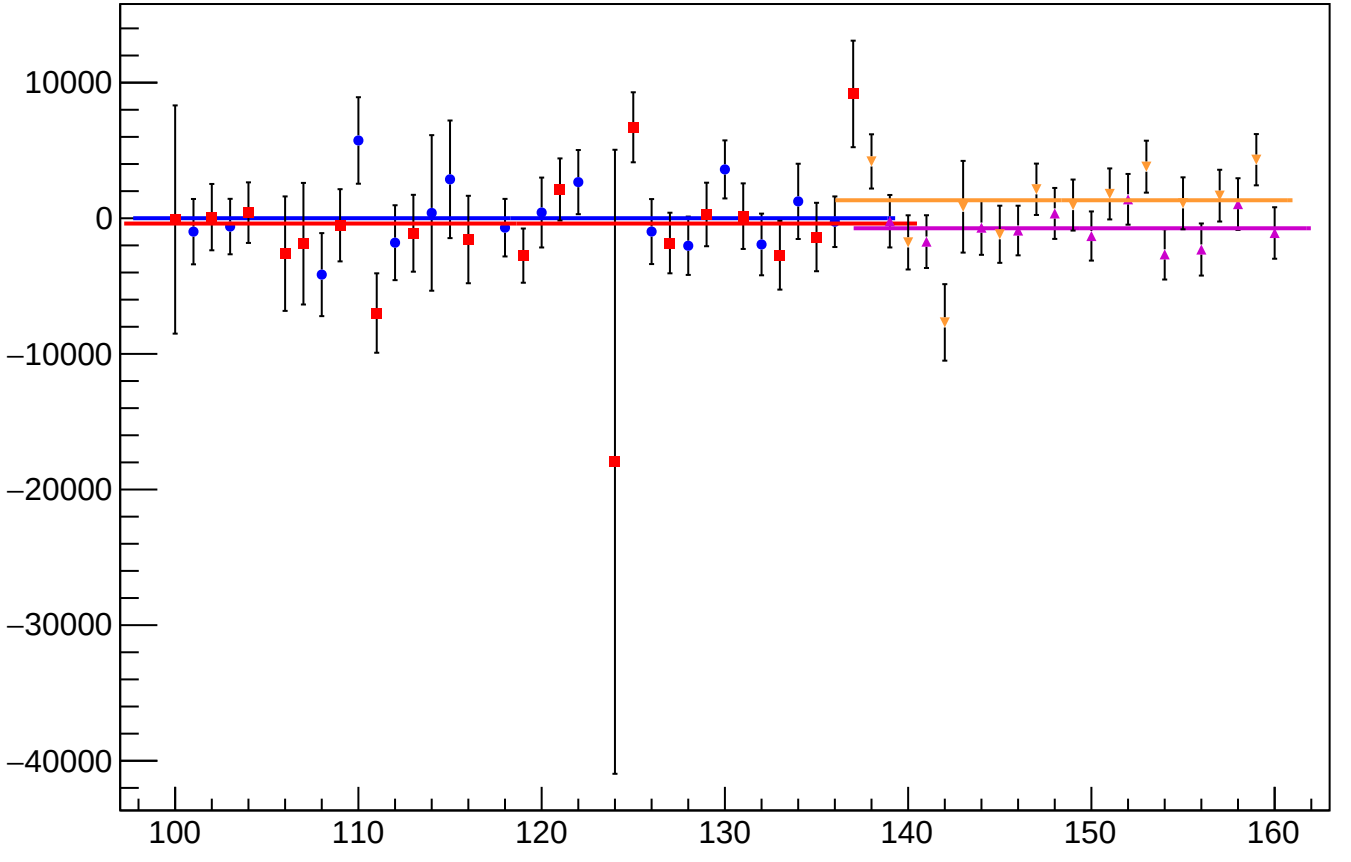
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3004.414+/-0.556 χ^2/NDF:4123533.0/26

Out: 484.379+/-0.169 χ^2/NDF:25043059.3/30

All: 696.497+/-0.161 χ^2/NDF: 47965876.5/57

cor_asym_atl_dd_mean vs Slug, Sign Corrected



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: -737.660+/-571.091 χ^2/NDF:4.7/10

Left: 263.372+/-409.993 χ^2/NDF: 31.7/22

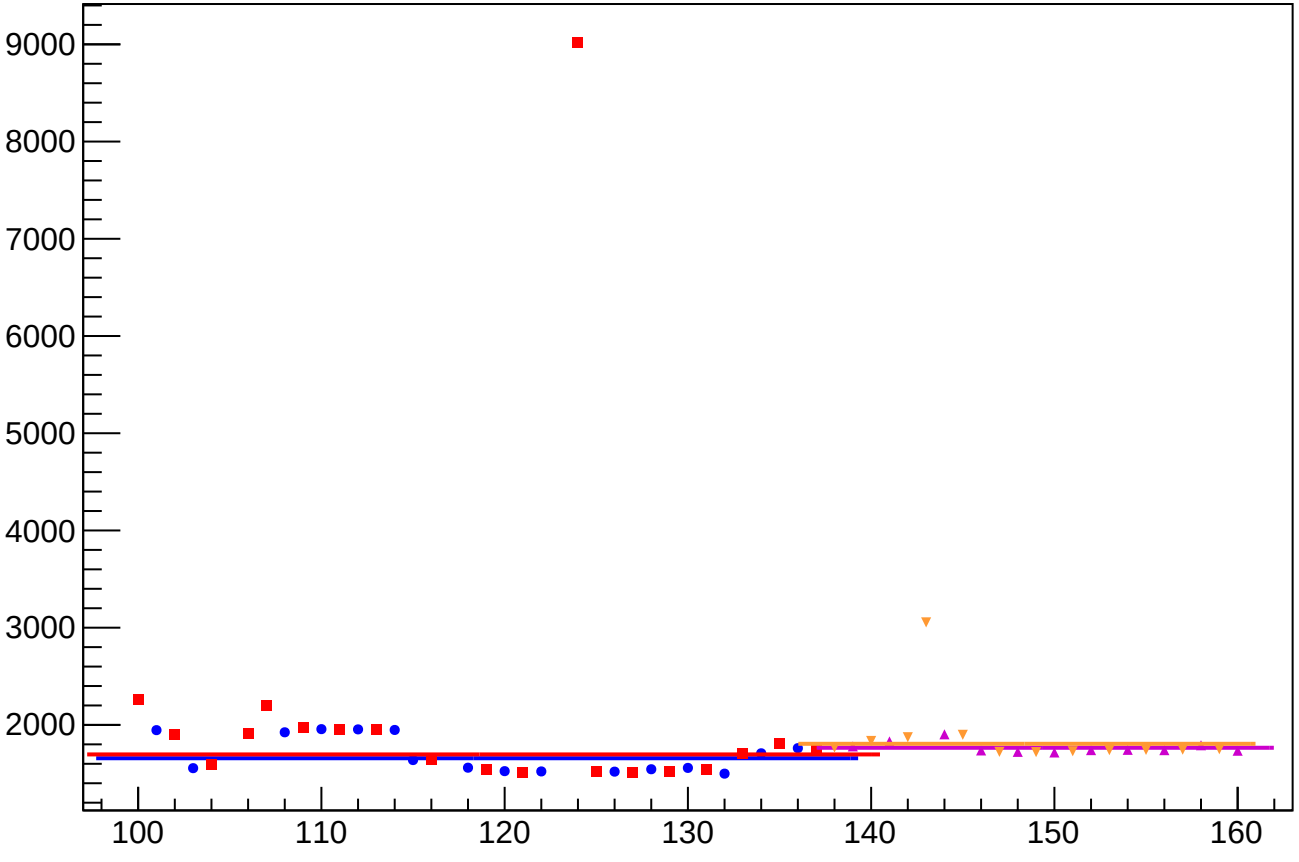
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -397.041+/-420.021 χ^2/NDF:17.9/26

Out: 532.217+/-431.403 χ^2/NDF:48.6/30

All: 55.167+/-300.943 χ^2/NDF: 68.9/57

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: 1764.897+/-0.404 χ^2/NDF:16529.1/10

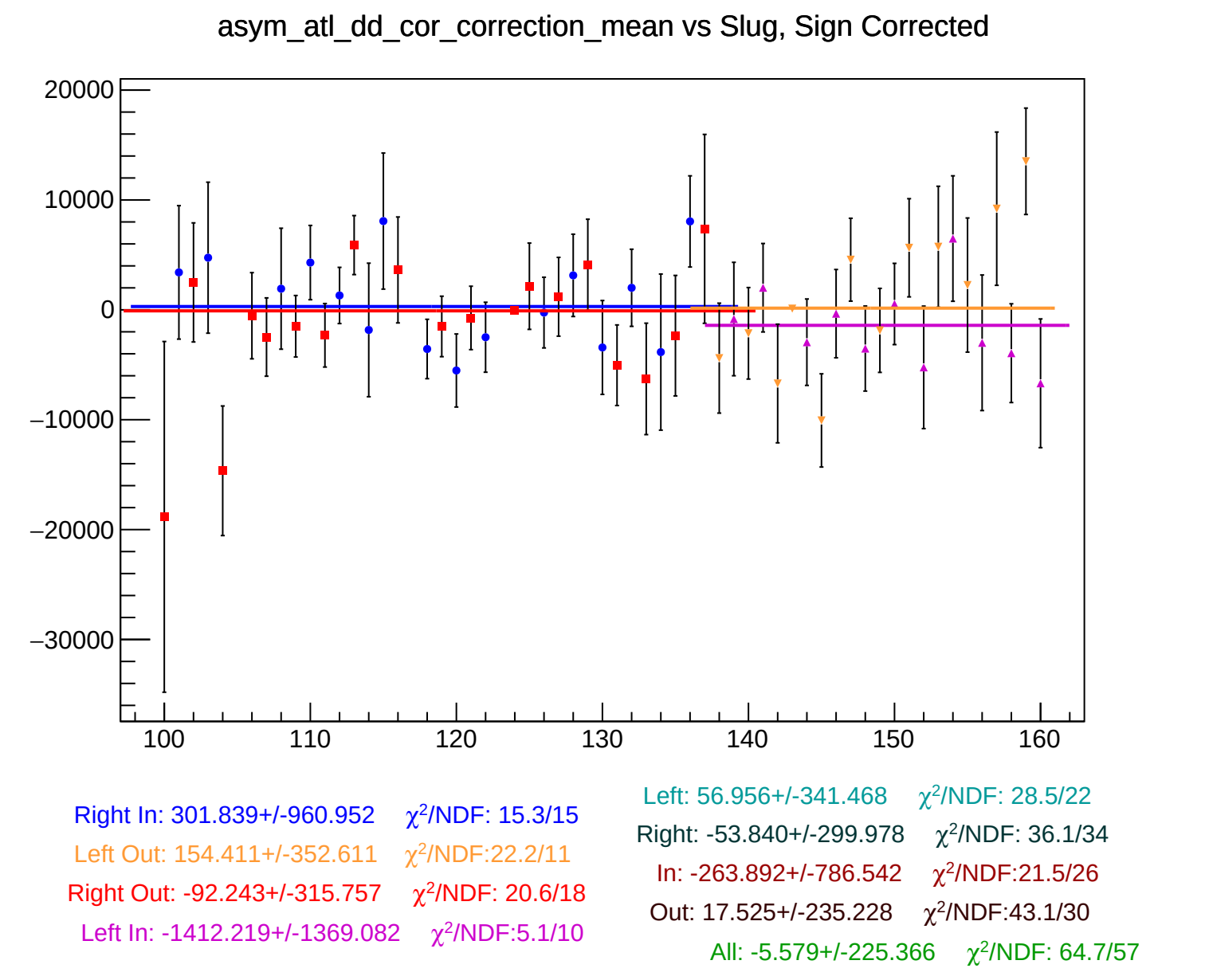
Left: 1784.657+/-0.290 χ^2/NDF: 320066.8/22

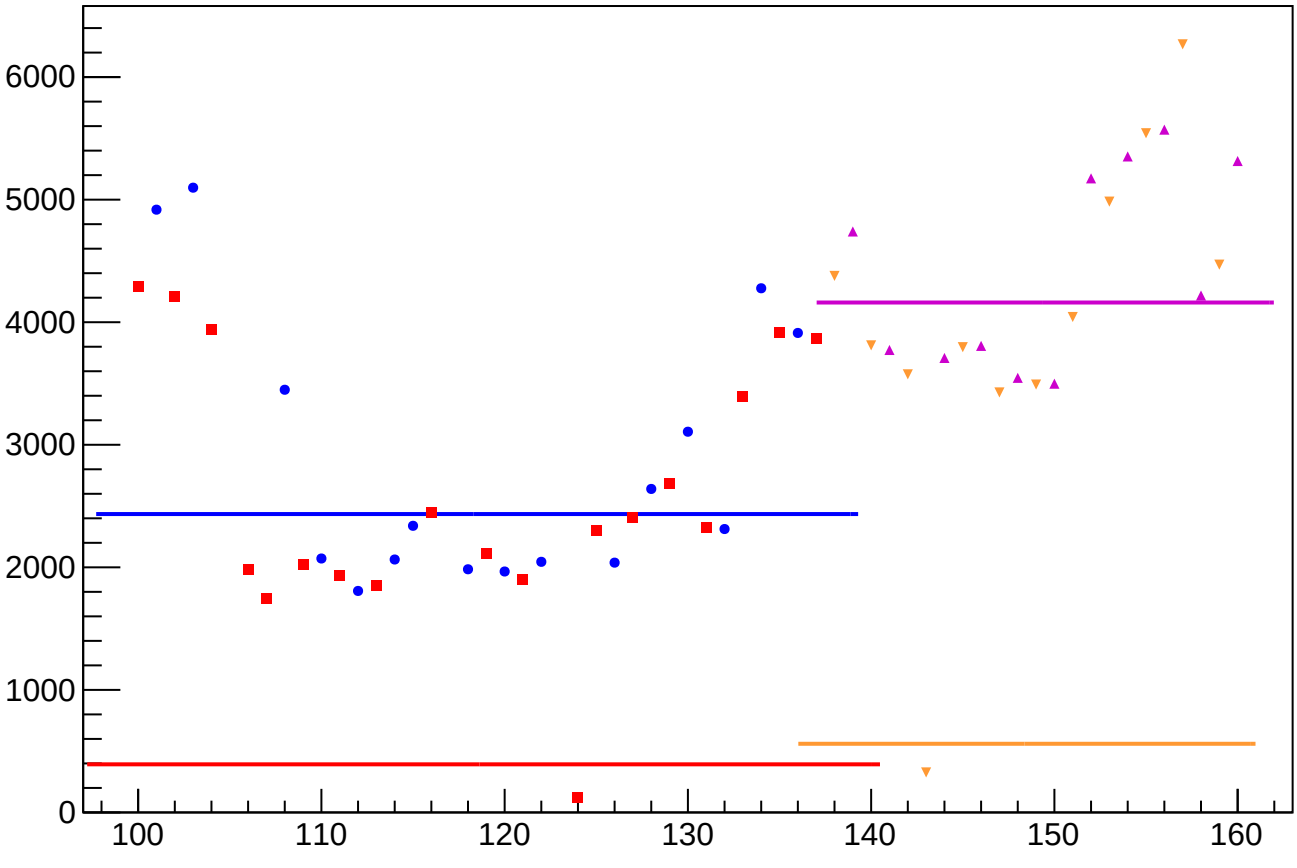
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.418+/-0.297 χ^2/NDF:193213.2/26

Out: 1754.823+/-0.304 χ^2/NDF:718596.1/30

All: 1734.632+/-0.213 χ^2/NDF: 920392.7/57


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 154.411+/-352.611 χ²/NDF:22.2/11
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -1412.219+/-1369.082 χ²/NDF:5.1/10
Left: 56.956+/-341.468 χ²/NDF: 28.5/22
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -263.892+/-786.542 χ²/NDF:21.5/26
Out: 17.525+/-235.228 χ²/NDF:43.1/30
All: -5.579+/-225.366 χ²/NDF: 64.7/57



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: 4160.758+/-0.968 χ^2/NDF:535995.2/10

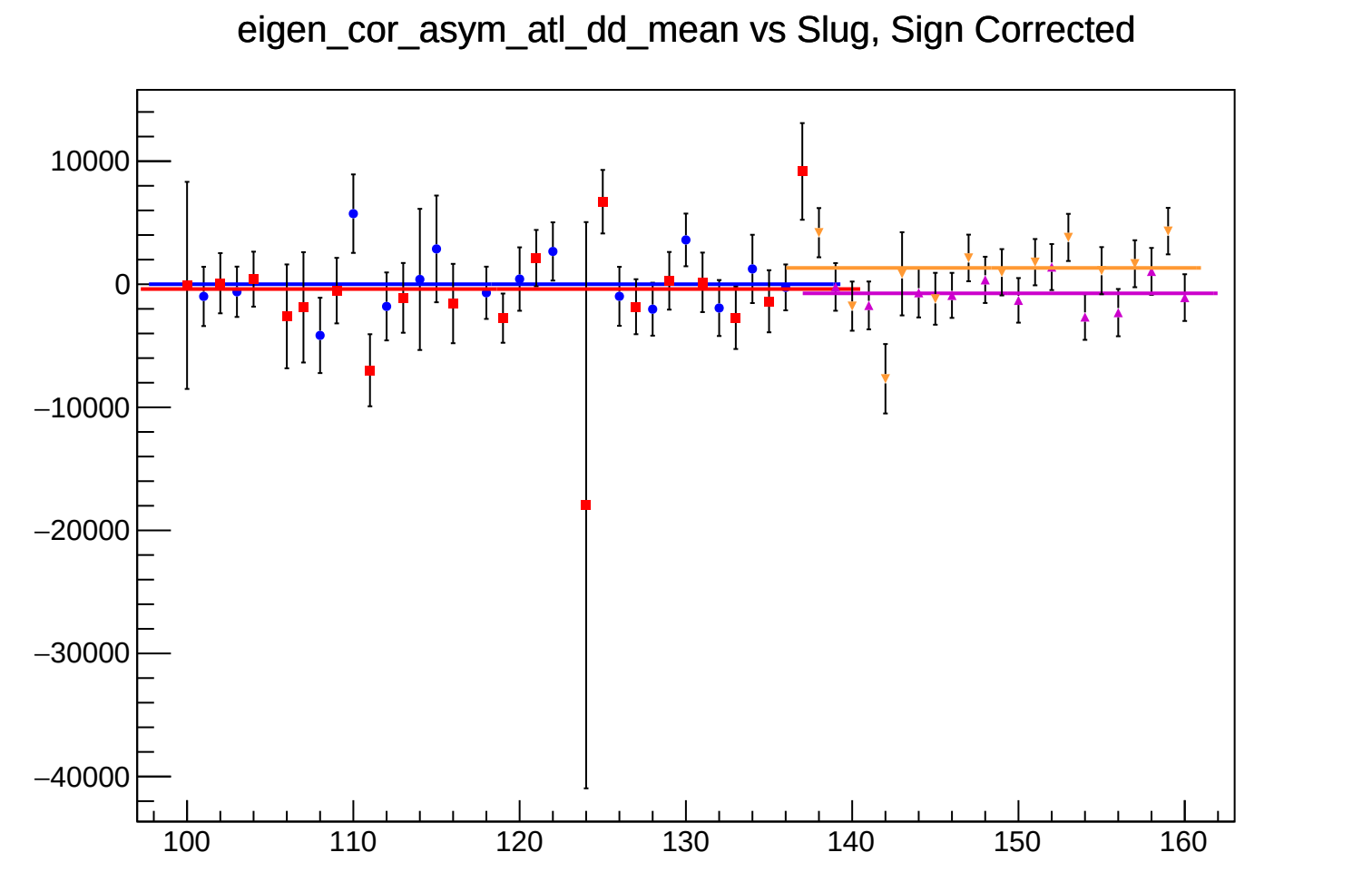
Left: 784.337+/-0.241 χ^2/NDF: 27315102.2/22

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3004.431+/-0.556 χ^2/NDF:4121593.8/26

Out: 467.297+/-0.166 χ^2/NDF:25467072.8/30

All: 675.590+/-0.159 χ^2/NDF: 48690247.6/57



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: -737.660+/-571.091 χ^2/NDF:4.7/10

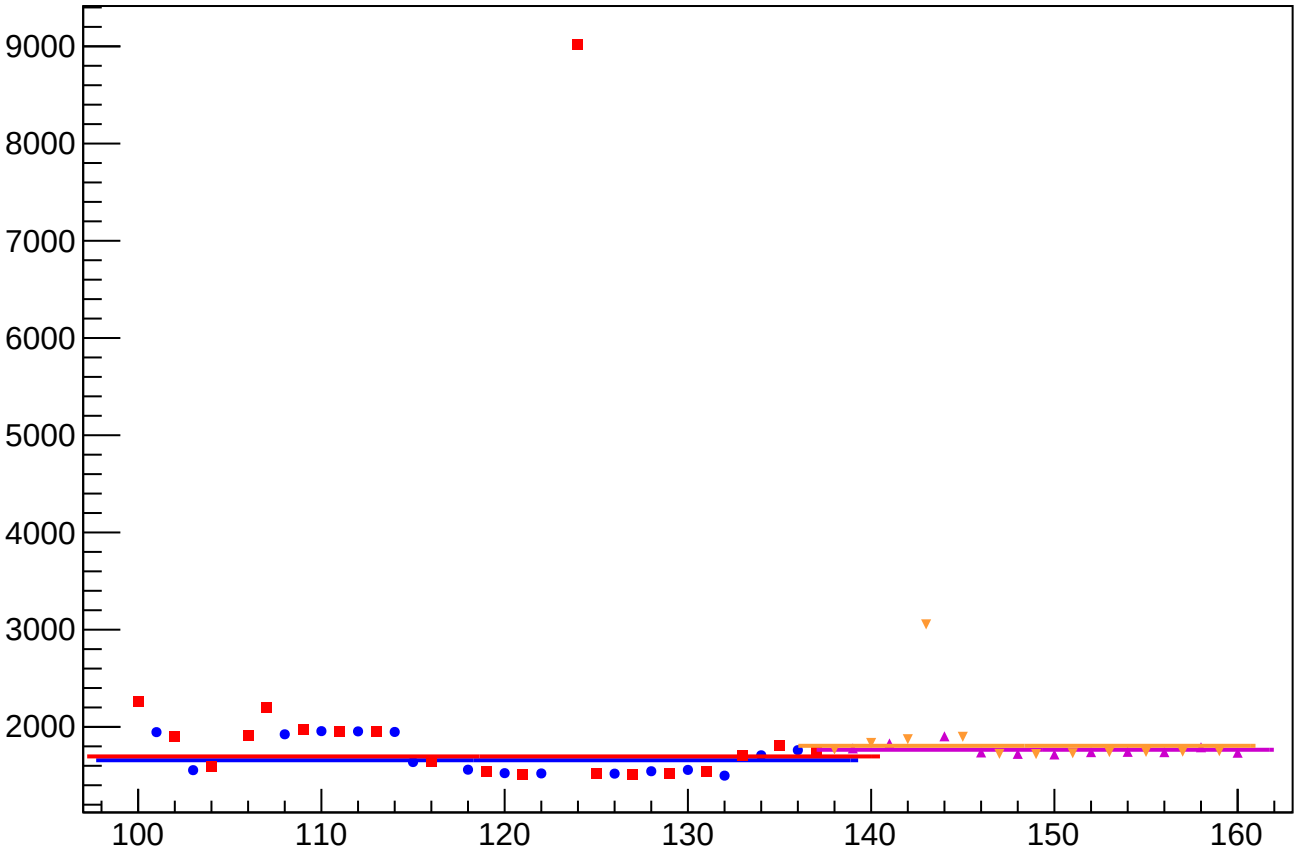
Left: 263.372+/-409.993 χ^2/NDF: 31.7/22

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -397.041+/-420.021 χ^2/NDF:17.9/26

Out: 532.217+/-431.403 χ^2/NDF:48.6/30

All: 55.167+/-300.943 χ^2/NDF: 68.9/57



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: 1764.897+/-0.404 χ^2/NDF:16529.1/10

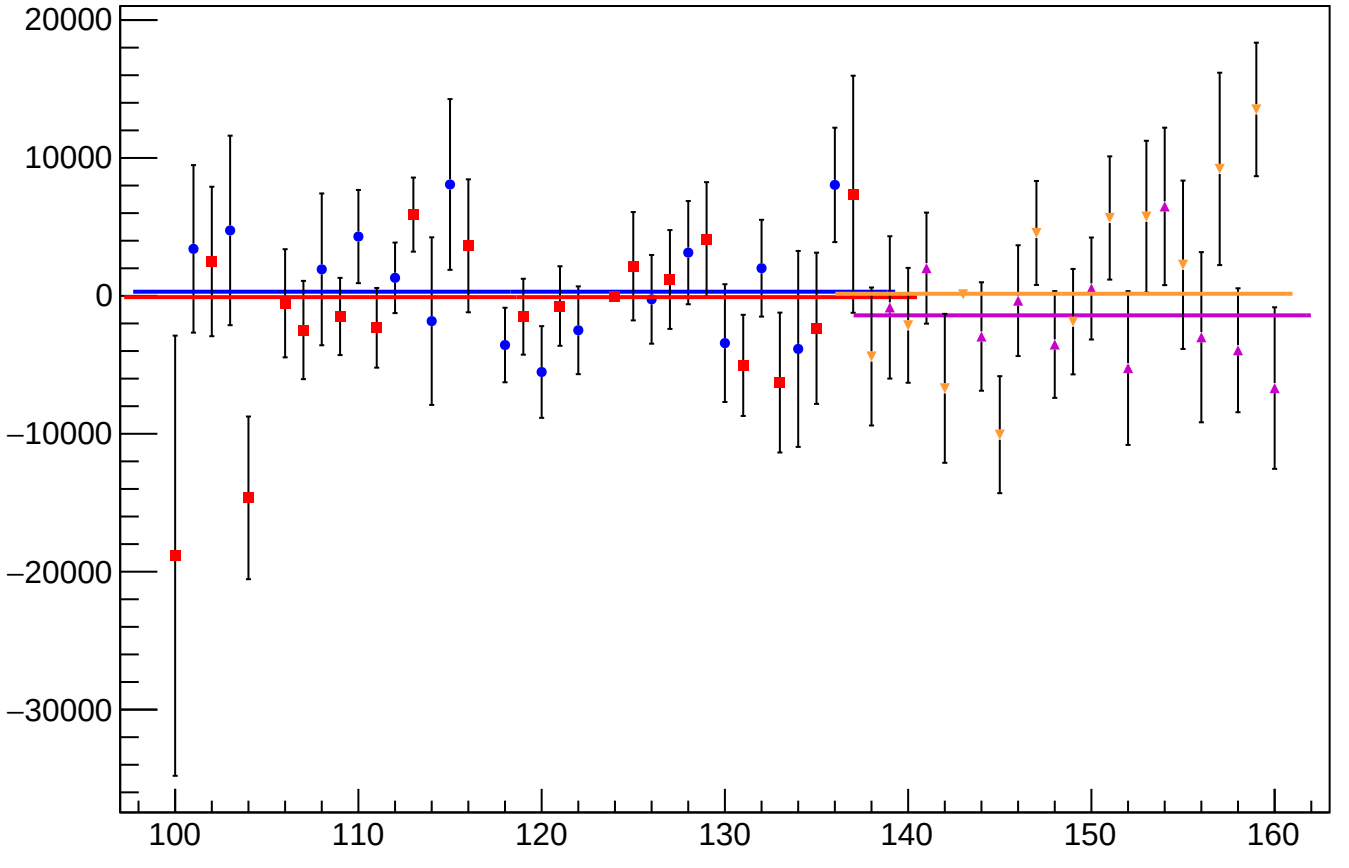
Left: 1784.657+/-0.290 χ^2/NDF: 320066.8/22

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.418+/-0.297 χ^2/NDF:193213.2/26

Out: 1754.823+/-0.304 χ^2/NDF:718596.1/30

All: 1734.632+/-0.213 χ^2/NDF: 920392.7/57



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: -1412.219+/-1369.082 χ^2/NDF:5.1/10

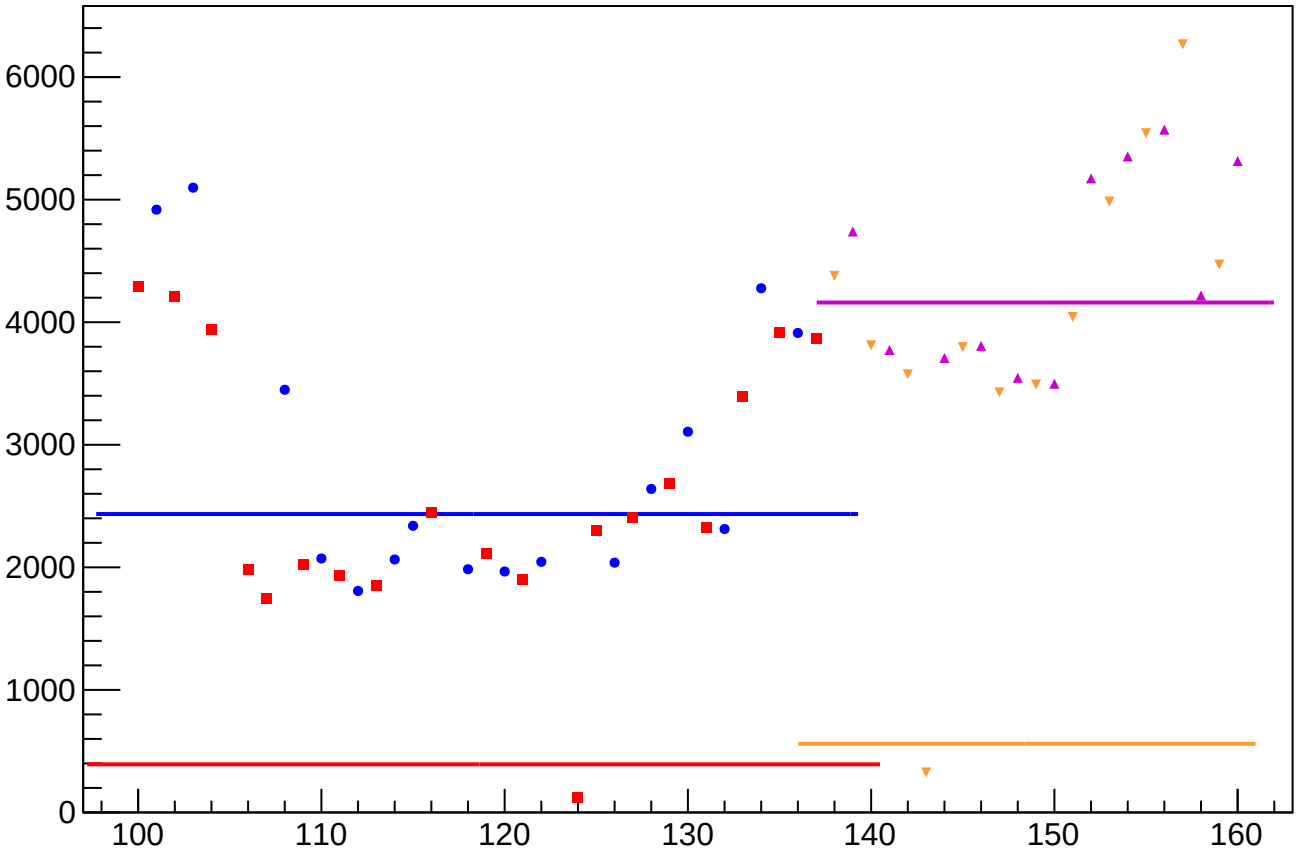
Left: 56.956+/-341.468 χ^2/NDF: 28.5/22

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -263.892+/-786.542 χ^2/NDF:21.5/26

Out: 17.525+/-235.228 χ^2/NDF:43.1/30

All: -5.579+/-225.366 χ^2/NDF: 64.7/57



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: 4160.758+/-0.968 χ^2/NDF:535995.2/10

Left: 784.337+/-0.241 χ^2/NDF: 27315102.2/22

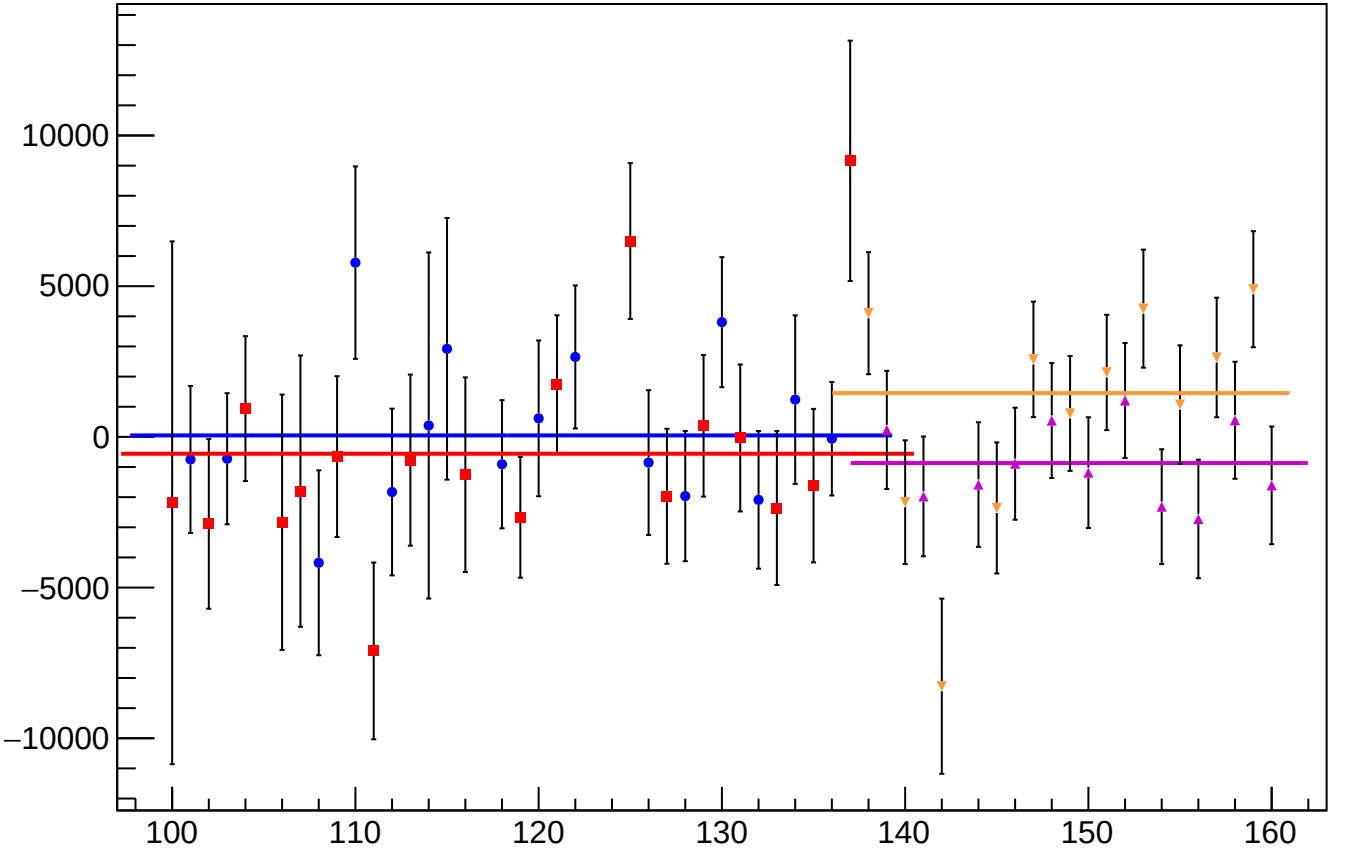
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3004.431+/-0.556 χ^2/NDF:4121593.8/26

Out: 467.297+/-0.166 χ^2/NDF:25467072.8/30

All: 675.590+/-0.159 χ^2/NDF: 48690247.6/57

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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: -868.224+/-582.805 χ^2/NDF:4.6/10

Left: 236.367+/-421.865 χ^2/NDF: 37.5/21

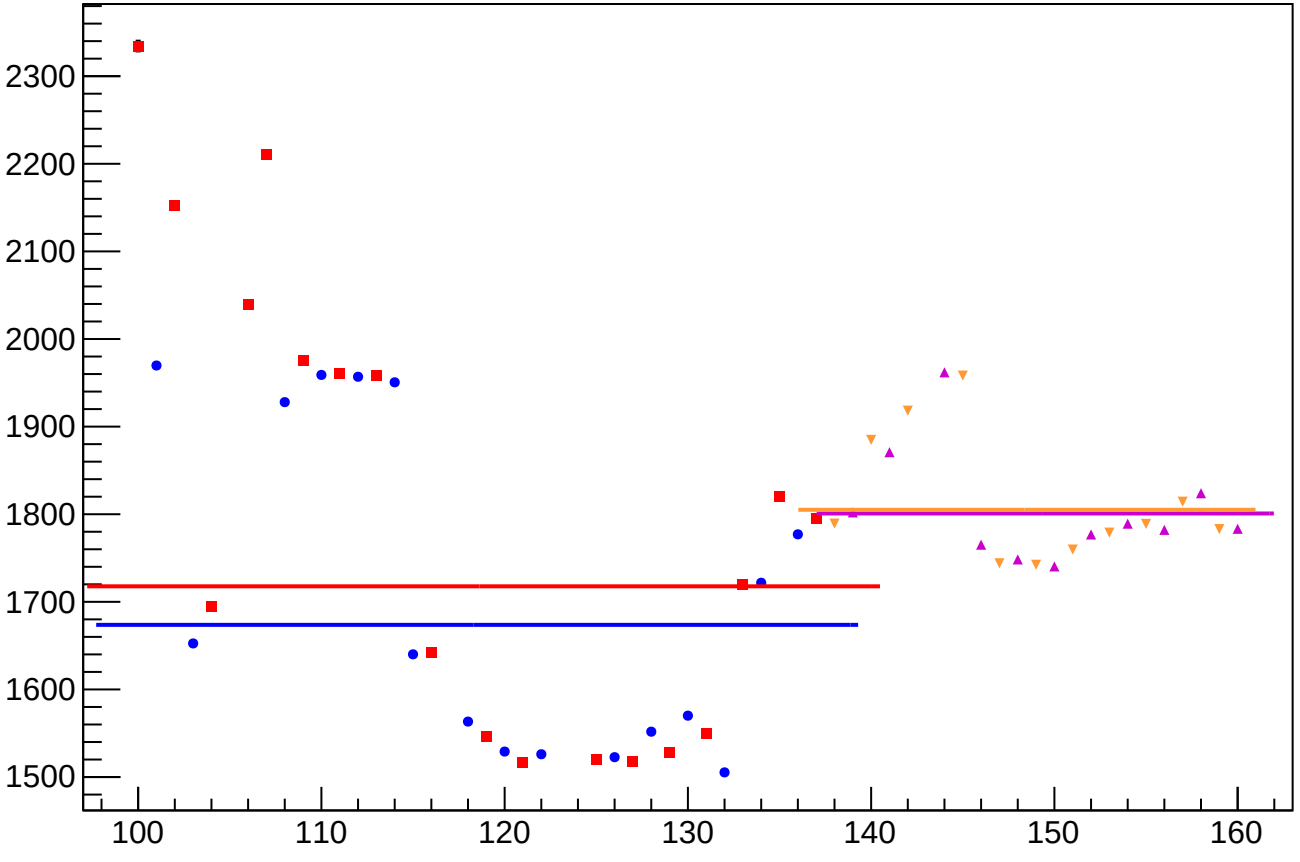
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -442.766+/-426.607 χ^2/NDF:18.6/26

Out: 500.433+/-443.837 χ^2/NDF:53.7/28

All: 10.170+/-307.568 χ^2/NDF: 74.7/55

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: 1800.855+/-0.412 χ^2/NDF:20047.7/10

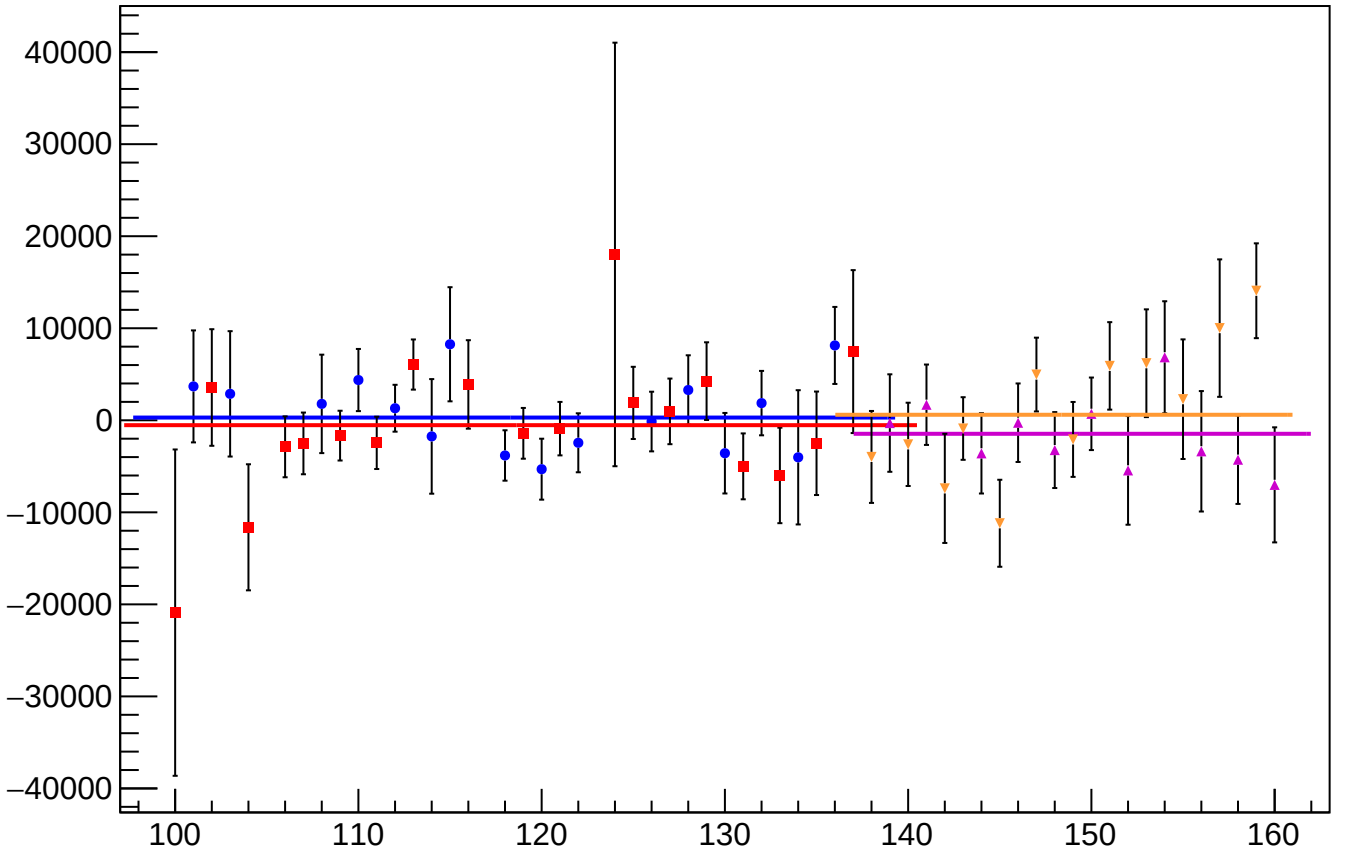
Left: 1802.870+/-0.298 χ^2/NDF: 42317.6/21

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1741.844+/-0.302 χ^2/NDF:205093.4/26

Out: 1763.652+/-0.313 χ^2/NDF:269230.2/28

All: 1752.328+/-0.217 χ^2/NDF: 476836.3/55



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 599.655+/-1381.630 χ^2/NDF:21.9/11

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1468.030+/-1463.936 χ^2/NDF:4.9/10

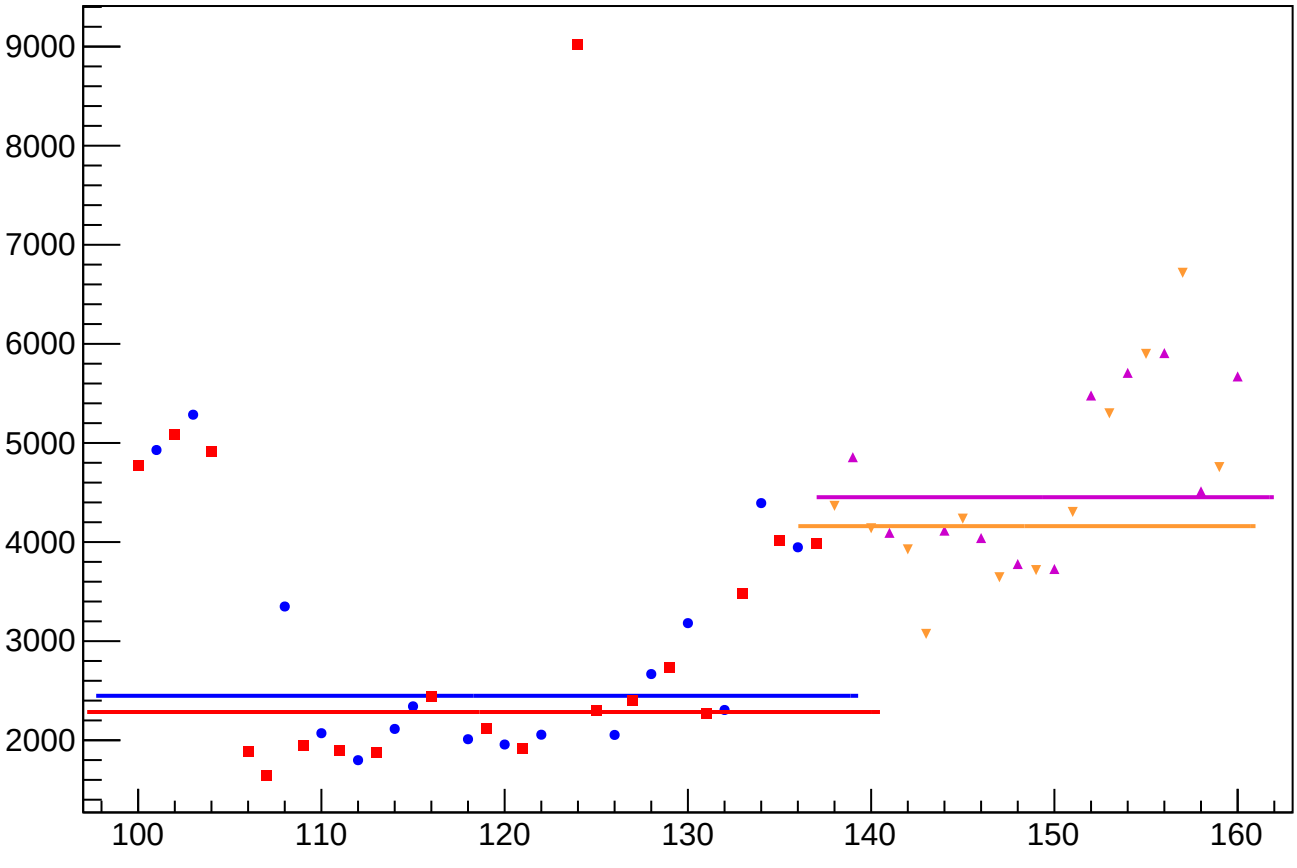
Left: -374.431+/-1004.798 χ^2/NDF: 27.8/22

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -237.721+/-805.513 χ^2/NDF:21.2/26

Out: -202.605+/-744.609 χ^2/NDF:41.1/30

All: -218.785+/-546.783 χ^2/NDF: 62.3/57



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: 4452.757+/-1.035 χ^2/NDF:497392.4/10

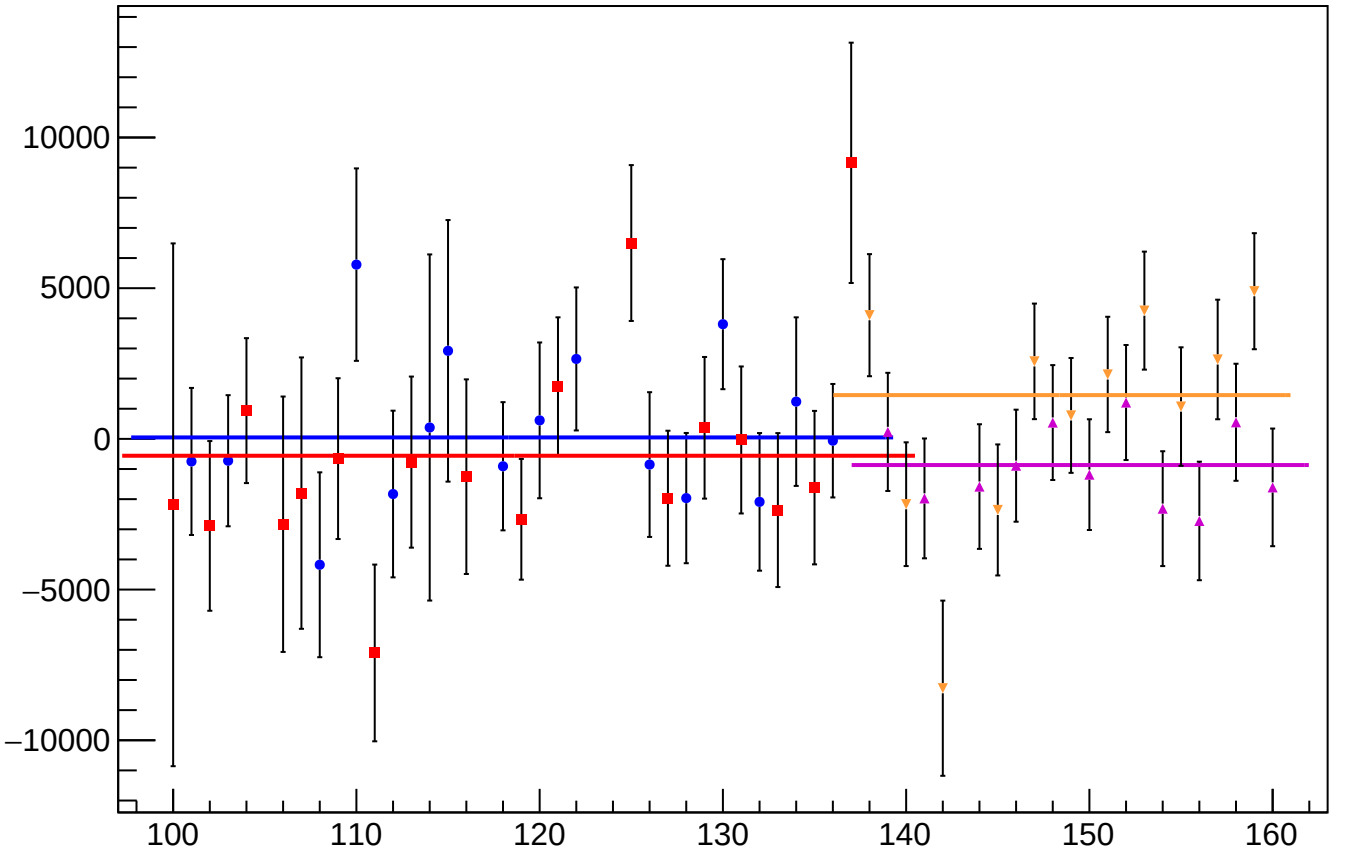
Left: 4298.277+/-0.710 χ^2/NDF: 1289510.5/22

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3055.381+/-0.570 χ^2/NDF:4628531.2/26

Out: 2829.846+/-0.527 χ^2/NDF:4914069.6/30

All: 2933.766+/-0.387 χ^2/NDF: 9627145.6/57



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: -868.225+/-582.805 χ^2/NDF:4.6/10

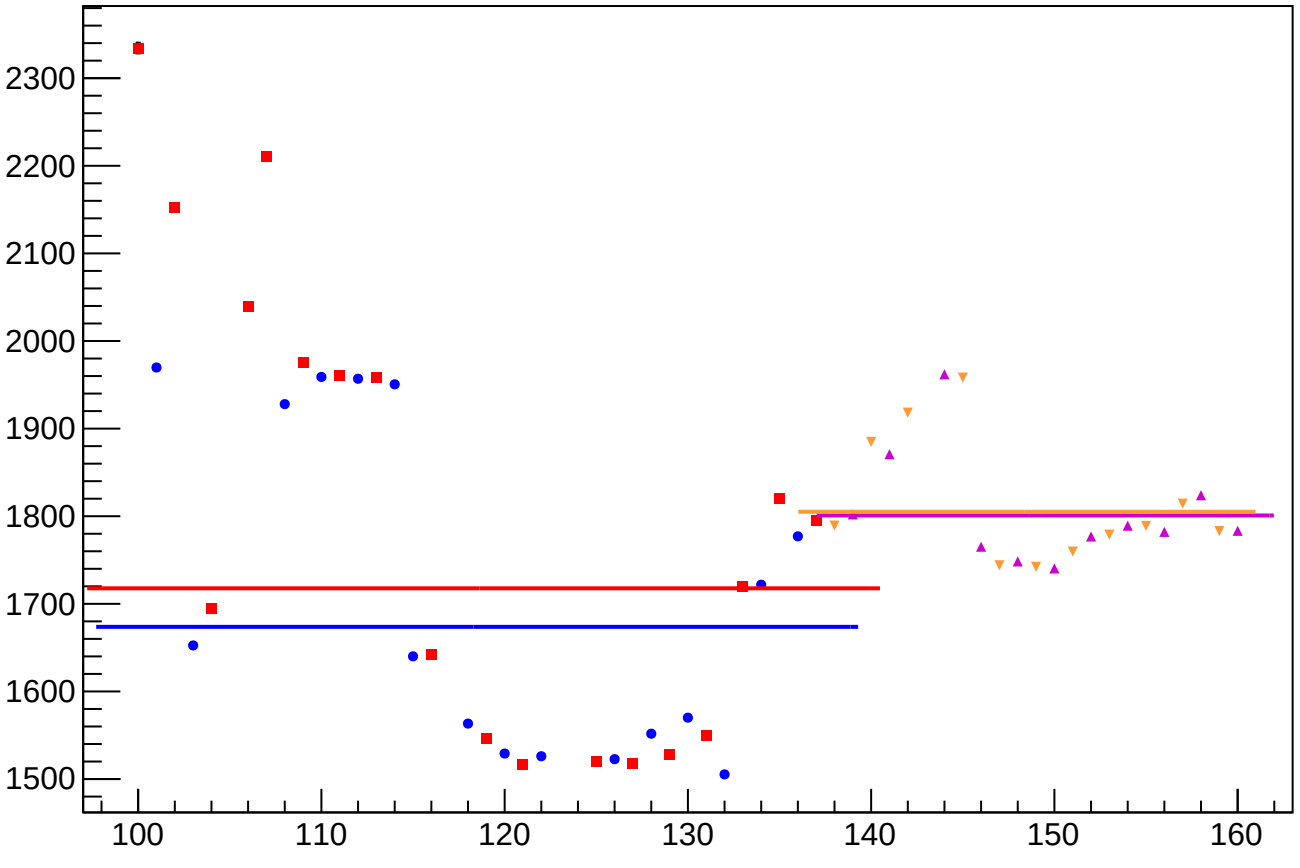
Left: 236.367+/-421.865 χ^2/NDF: 37.5/21

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -442.767+/-426.607 χ^2/NDF:18.6/26

Out: 500.433+/-443.837 χ^2/NDF:53.7/28

All: 10.169+/-307.568 χ^2/NDF: 74.7/55



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: 1800.856+/-0.412 χ^2/NDF:20047.9/10

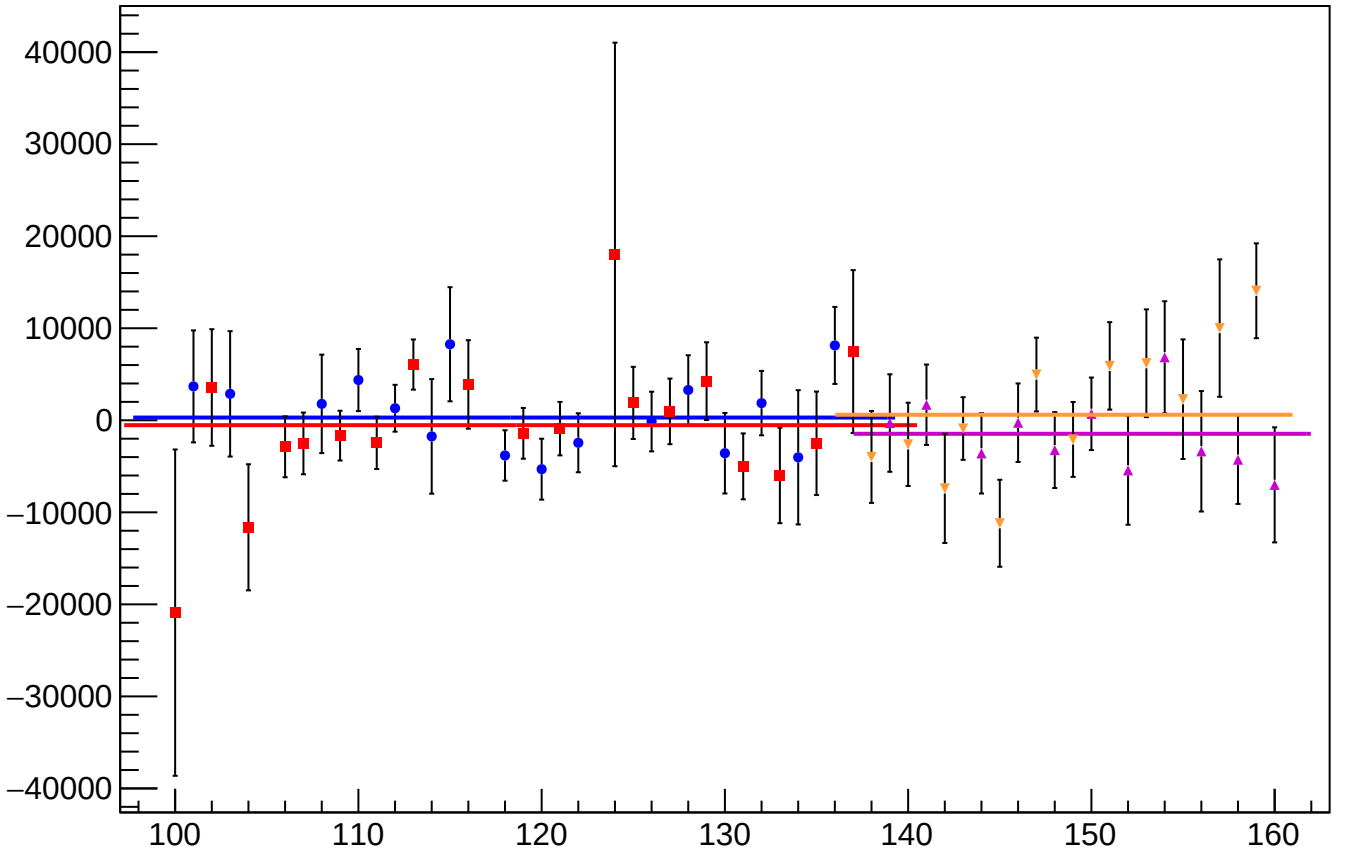
Left: 1802.871+/-0.298 χ^2/NDF: 42318.2/21

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1741.844+/-0.302 χ^2/NDF:205094.5/26

Out: 1763.652+/-0.313 χ^2/NDF:269230.4/28

All: 1752.329+/-0.217 χ^2/NDF: 476837.6/55



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 599.660+/-1381.632 χ^2/NDF:21.9/11

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1468.031+/-1463.938 χ^2/NDF:4.9/10

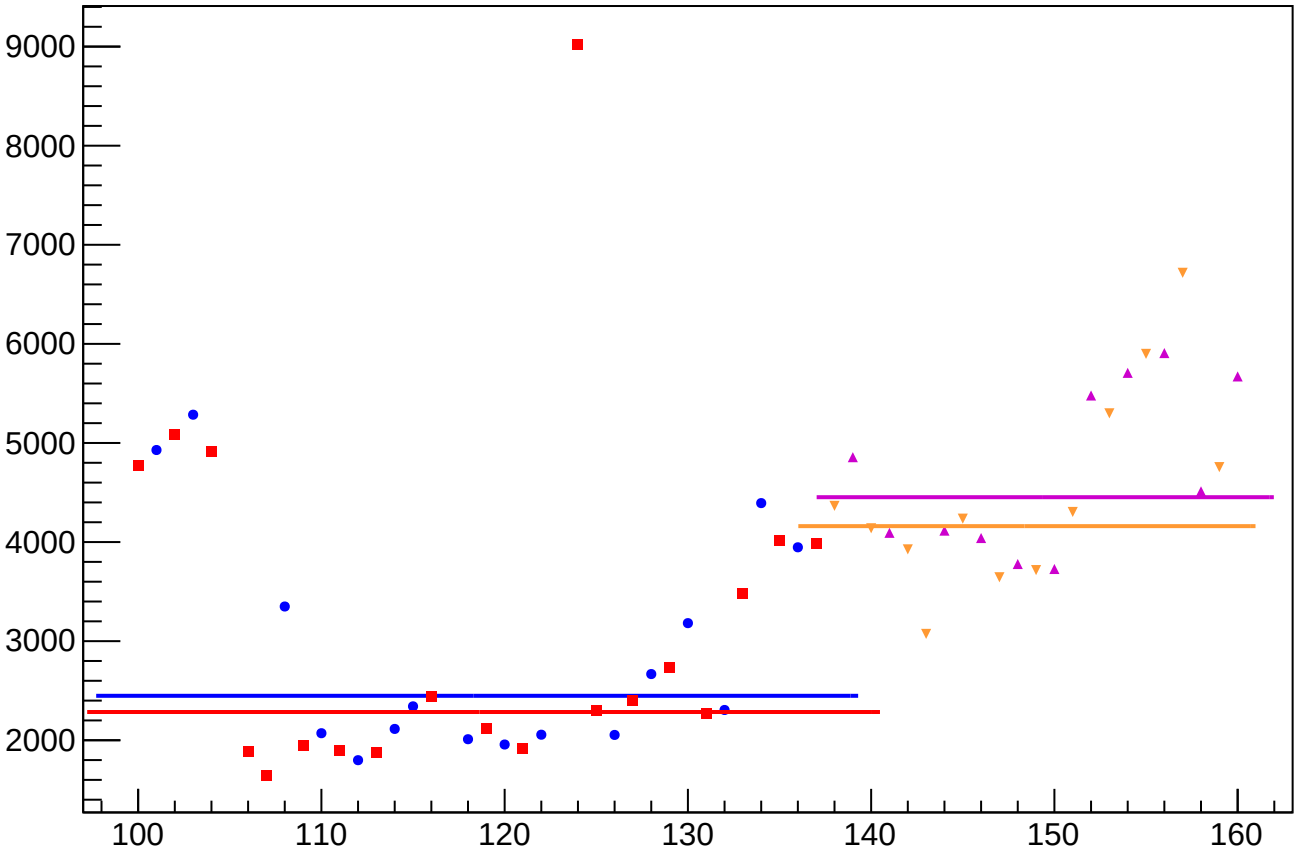
Left: -374.429+/-1004.799 χ^2/NDF: 27.8/22

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -237.721+/-805.511 χ^2/NDF:21.2/26

Out: -202.607+/-744.607 χ^2/NDF:41.1/30

All: -218.787+/-546.782 χ^2/NDF: 62.3/57



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4160.684+/-0.977 χ^2/NDF:750015.0/11

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4452.762+/-1.035 χ^2/NDF:497394.9/10

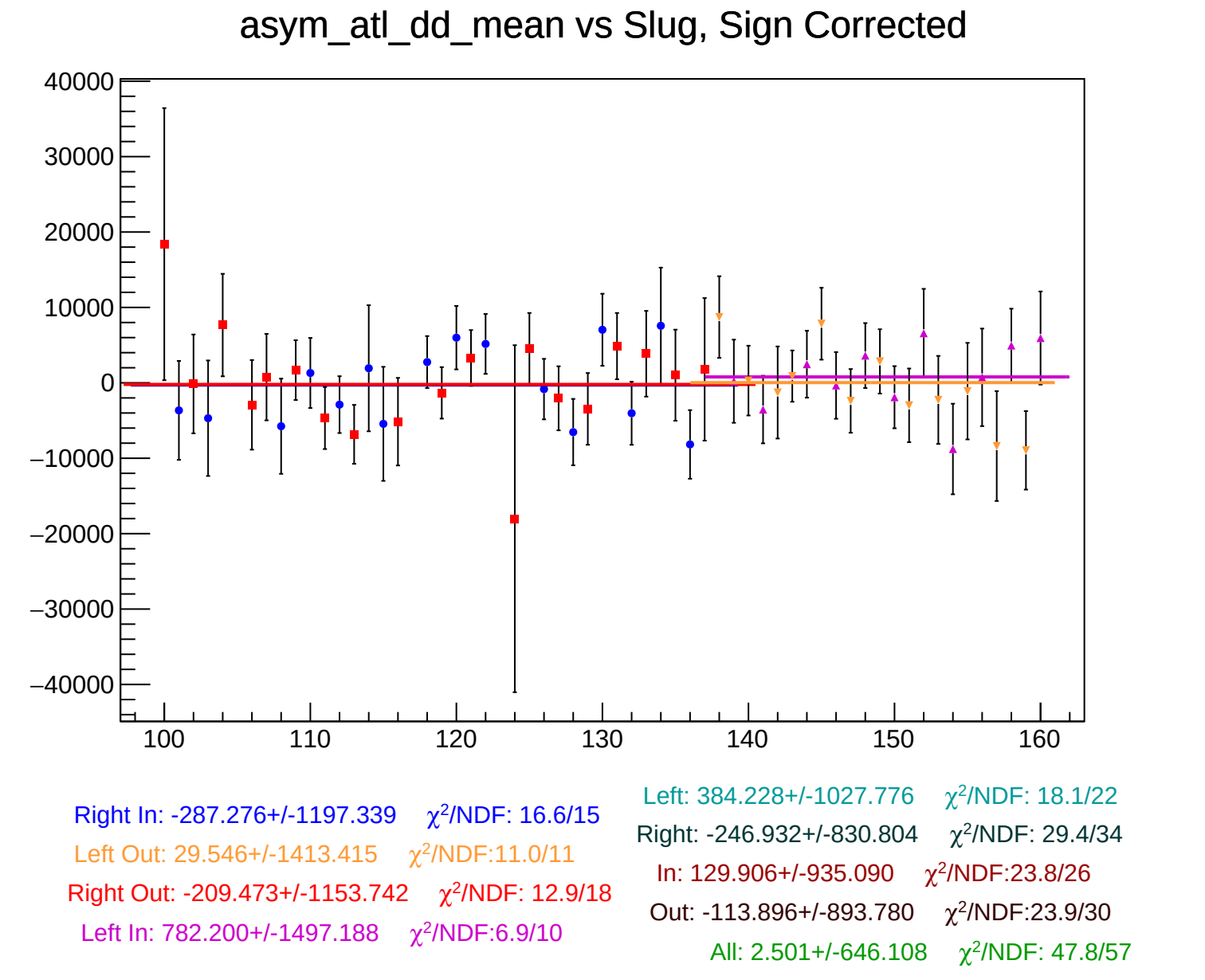
Left: 4298.282+/-0.711 χ^2/NDF: 1289517.1/22

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

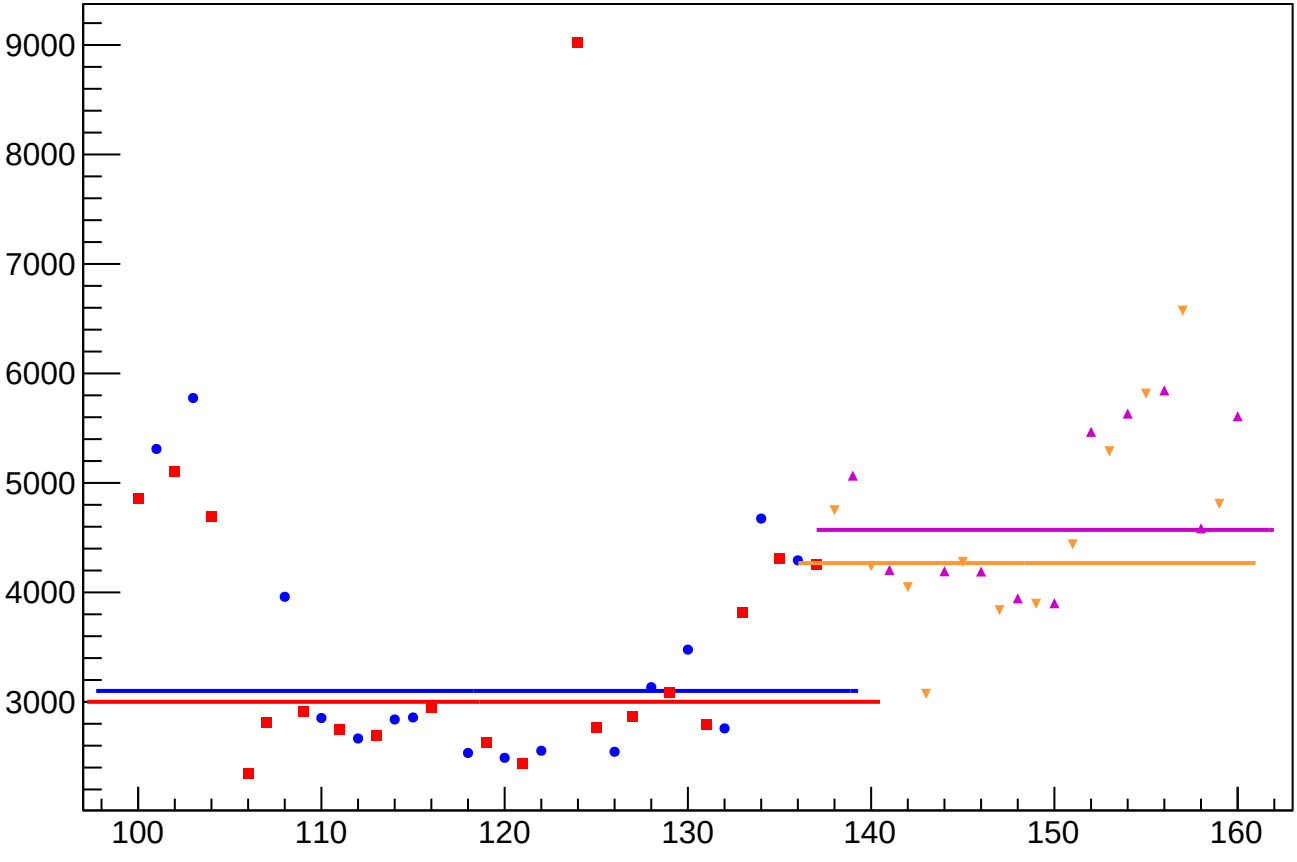
In: 3055.370+/-0.570 χ^2/NDF:4628589.9/26

Out: 2829.837+/-0.527 χ^2/NDF:4914119.3/30

All: 2933.756+/-0.387 χ^2/NDF: 9627253.0/57


asym_atl_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -287.276+/-1197.339 χ²/NDF: 16.6/15
Left Out: 29.546+/-1413.415 χ²/NDF:11.0/11
Right Out: -209.473+/-1153.742 χ²/NDF: 12.9/18
Left In: 782.200+/-1497.188 χ²/NDF:6.9/10
Left: 384.228+/-1027.776 χ²/NDF: 18.1/22
Right: -246.932+/-830.804 χ²/NDF: 29.4/34
In: 129.906+/-935.090 χ²/NDF:23.8/26
Out: -113.896+/-893.780 χ²/NDF:23.9/30
All: 2.501+/-646.108 χ²/NDF: 47.8/57

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: 4570.945+/-1.059 χ^2/NDF:396724.5/10

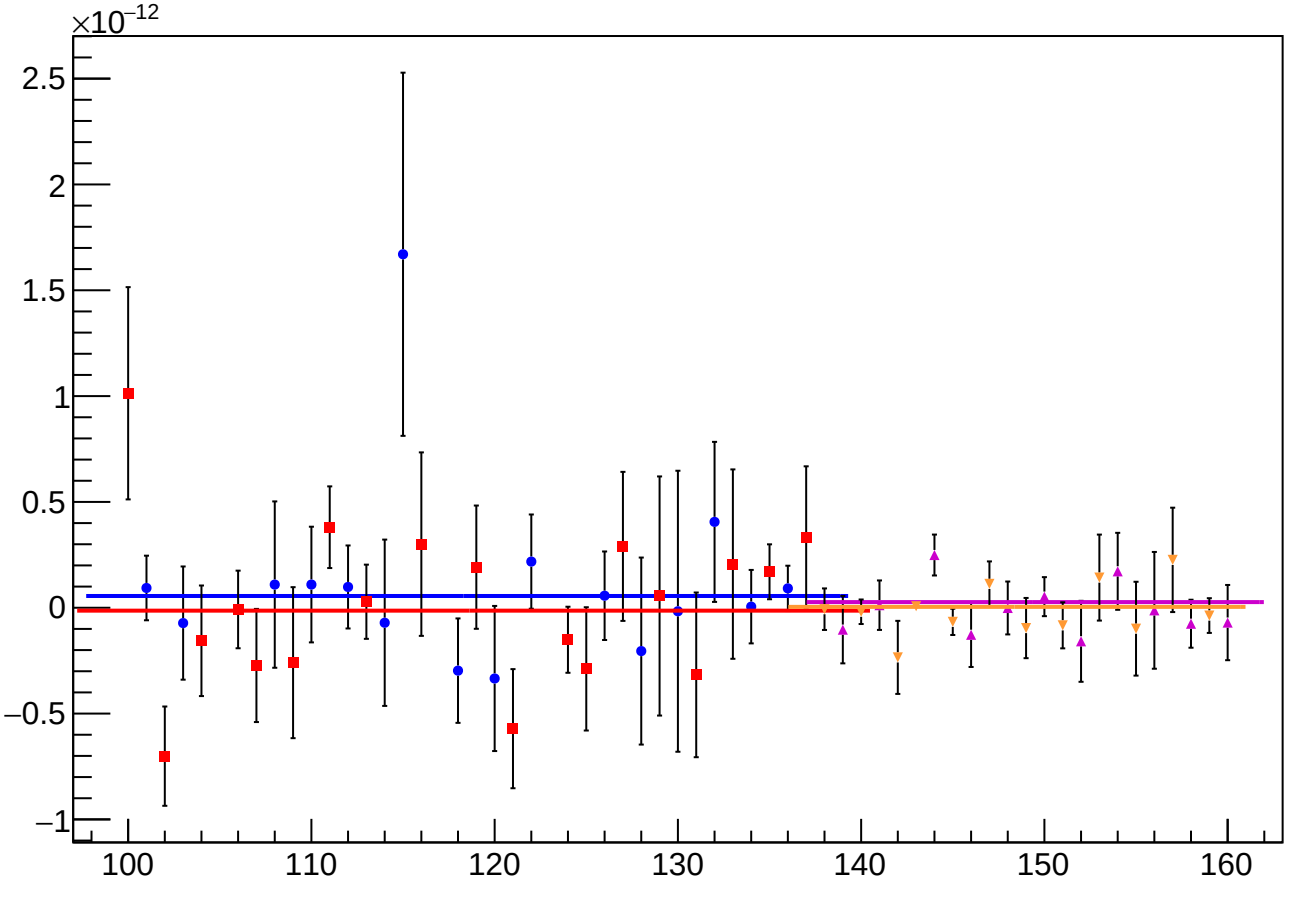
Left: 4410.832+/-0.727 χ^2/NDF: 1143532.1/22

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3673.868+/-0.661 χ^2/NDF:2537630.3/26

Out: 3499.299+/-0.627 χ^2/NDF:2485665.8/30

All: 3581.928+/-0.455 χ^2/NDF: 5060006.9/57



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:9.8/10

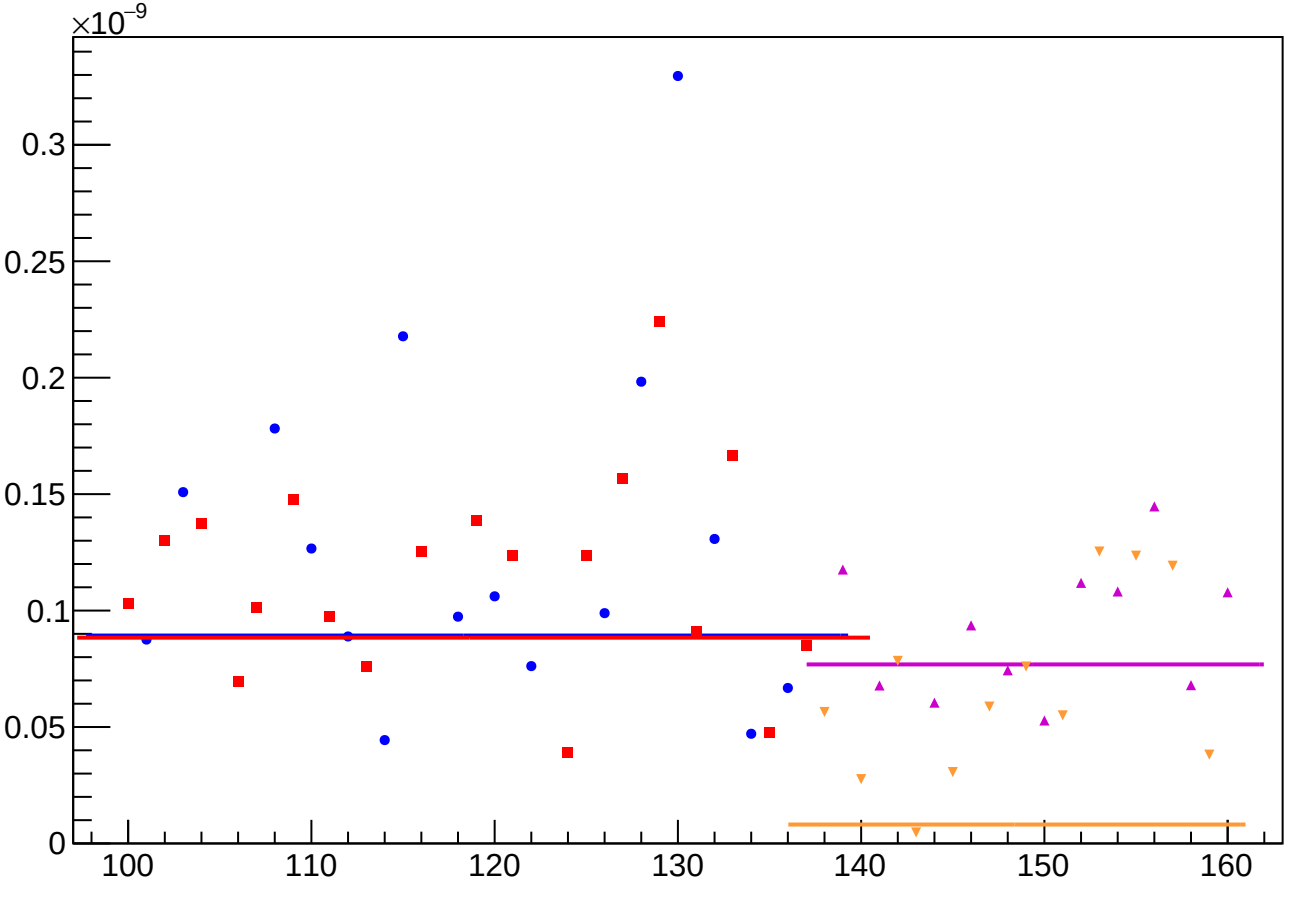
Left: 0.000+/-0.000 χ^2/NDF: 17.6/22

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:19.3/26

Out: 0.000+/-0.000 χ^2/NDF:37.6/30

All: 0.000+/-0.000 χ^2/NDF: 57.8/57



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:682547.8/10

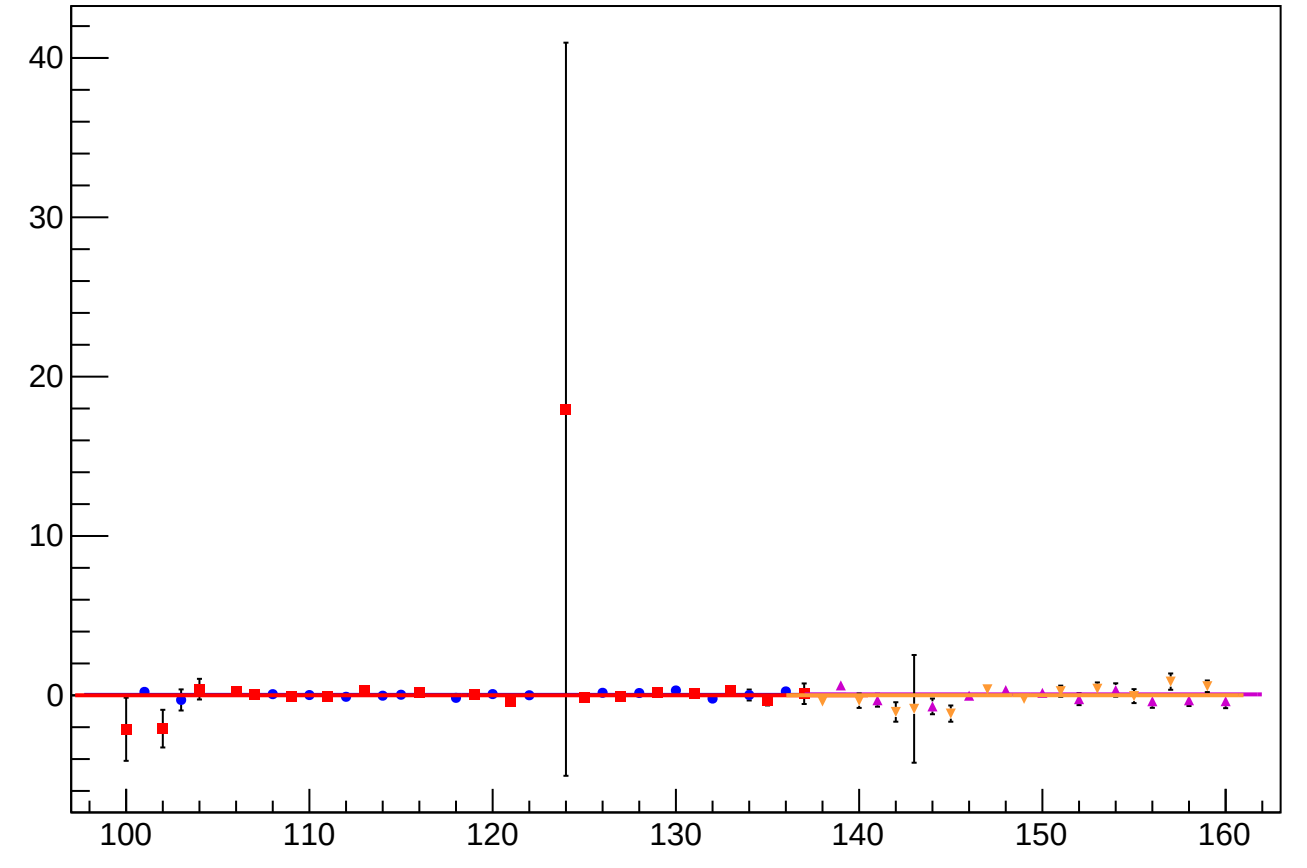
Left: 0.000+/-0.000 χ^2/NDF: 11087009.3/22

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1696290.2/26

Out: 0.000+/-0.000 χ^2/NDF:9816964.6/30

All: 0.000+/-0.000 χ^2/NDF: 20386062.3/57



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: 0.060+/-0.104 χ^2/NDF:14.0/10

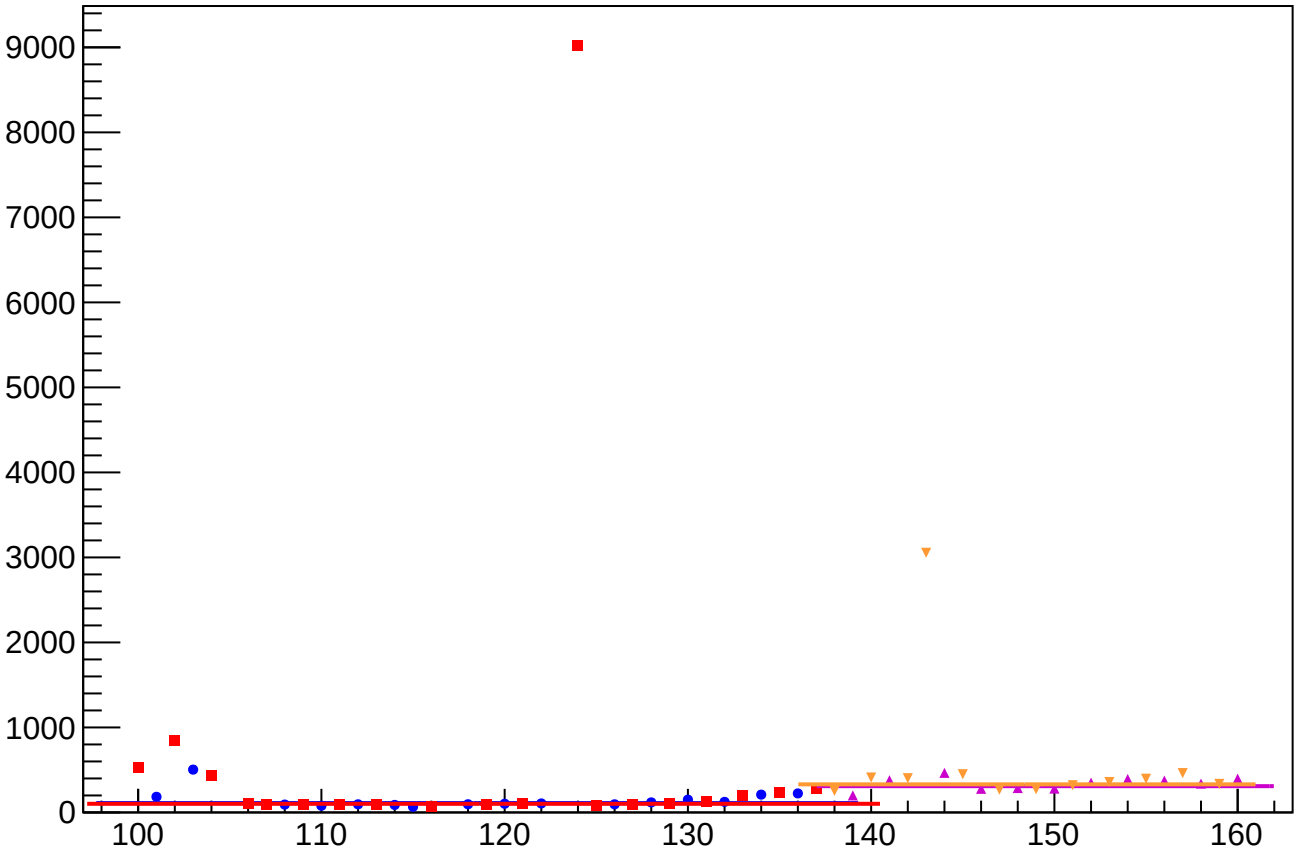
Left: 0.035+/-0.077 χ^2/NDF: 33.6/22

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.018+/-0.029 χ^2/NDF: 65.0/57



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: 309.276+/-0.074 χ^2/NDF:998840.1/10

Left: 318.980+/-0.054 χ^2/NDF: 3028376.2/22

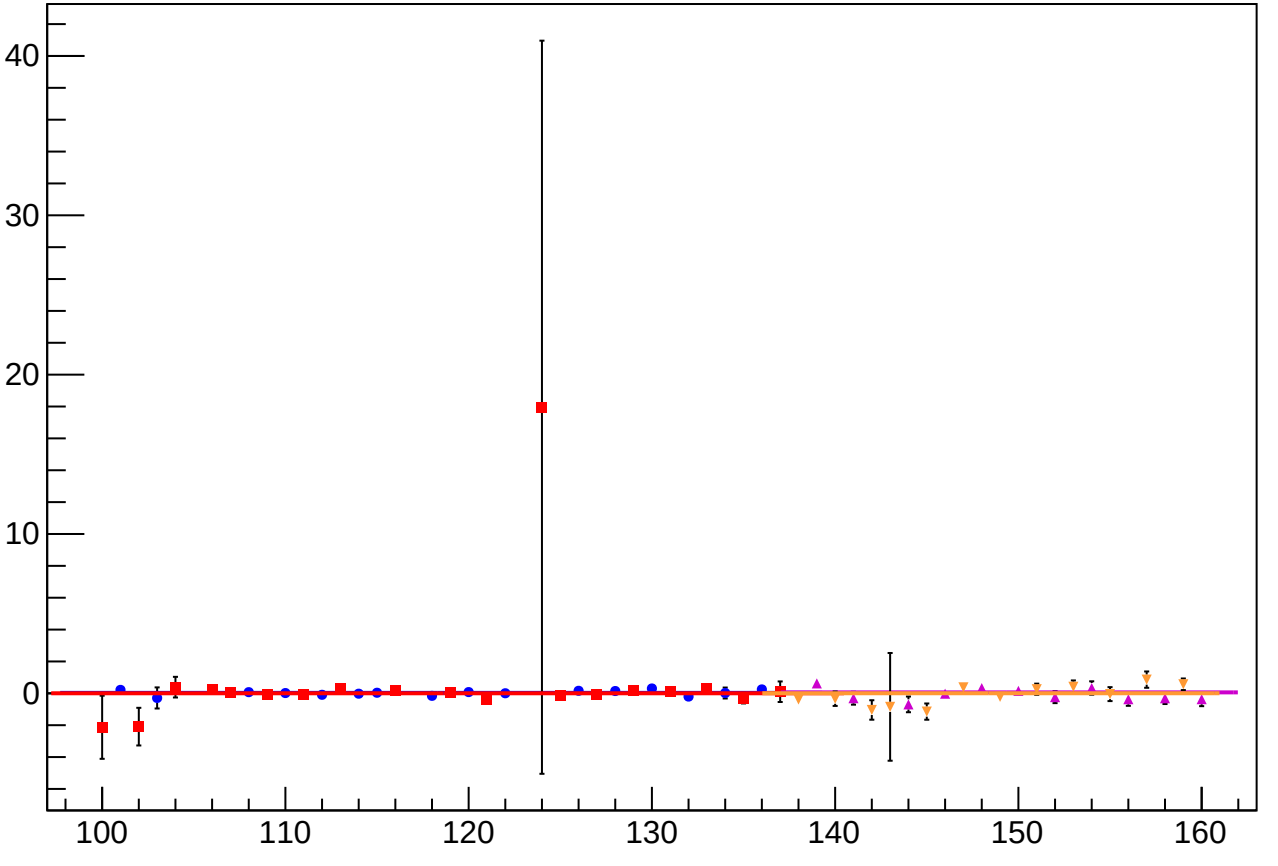
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 141.766+/-0.029 χ^2/NDF:9101323.5/26

Out: 130.762+/-0.029 χ^2/NDF:11613782.4/30

All: 136.131+/-0.021 χ^2/NDF: 20786994.0/57

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: 0.060+/-0.104 χ^2/NDF:14.0/10

Left: 0.035+/-0.077 χ^2/NDF: 33.6/22

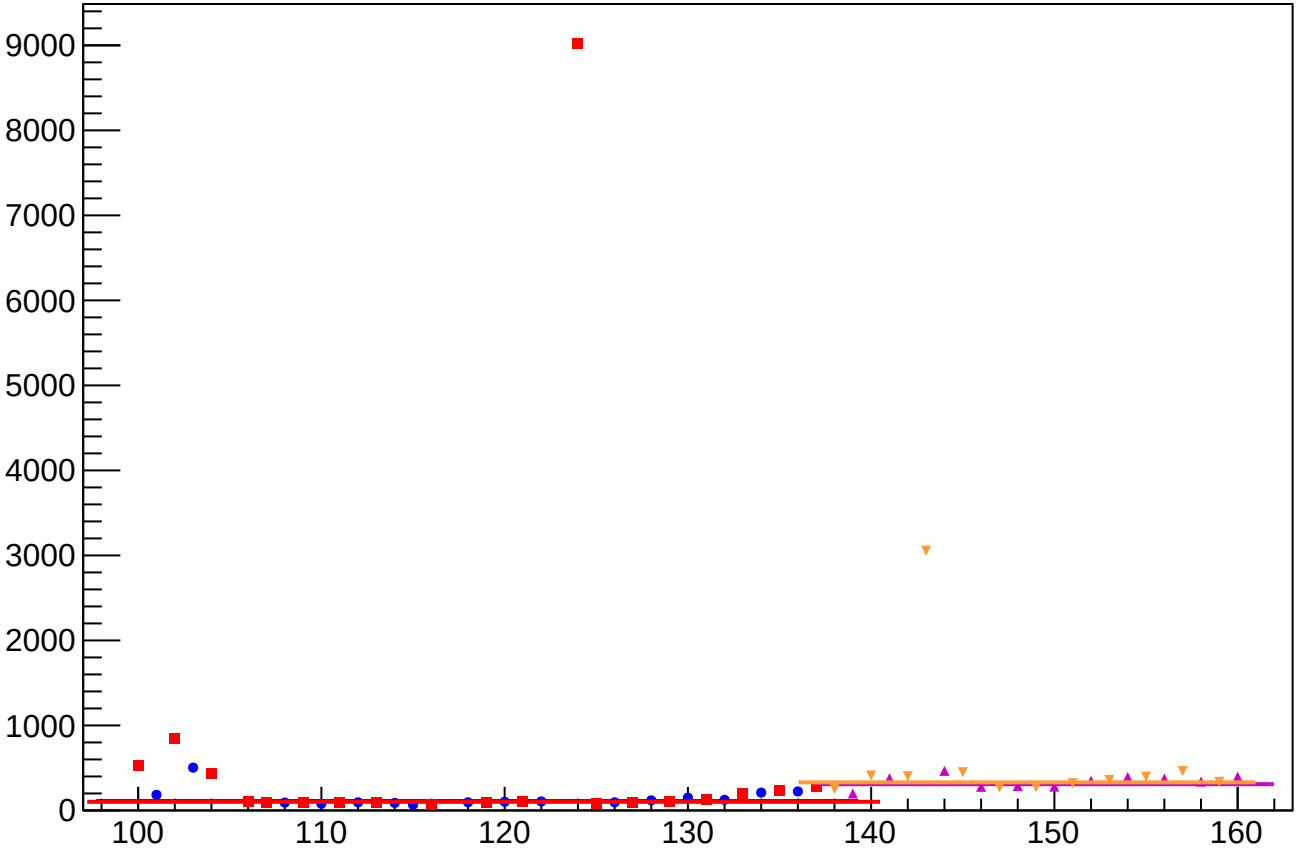
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.018+/-0.029 χ^2/NDF: 65.0/57

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: 309.276+/-0.074 χ^2/NDF:998840.1/10

Left: 318.980+/-0.054 χ^2/NDF: 3028376.2/22

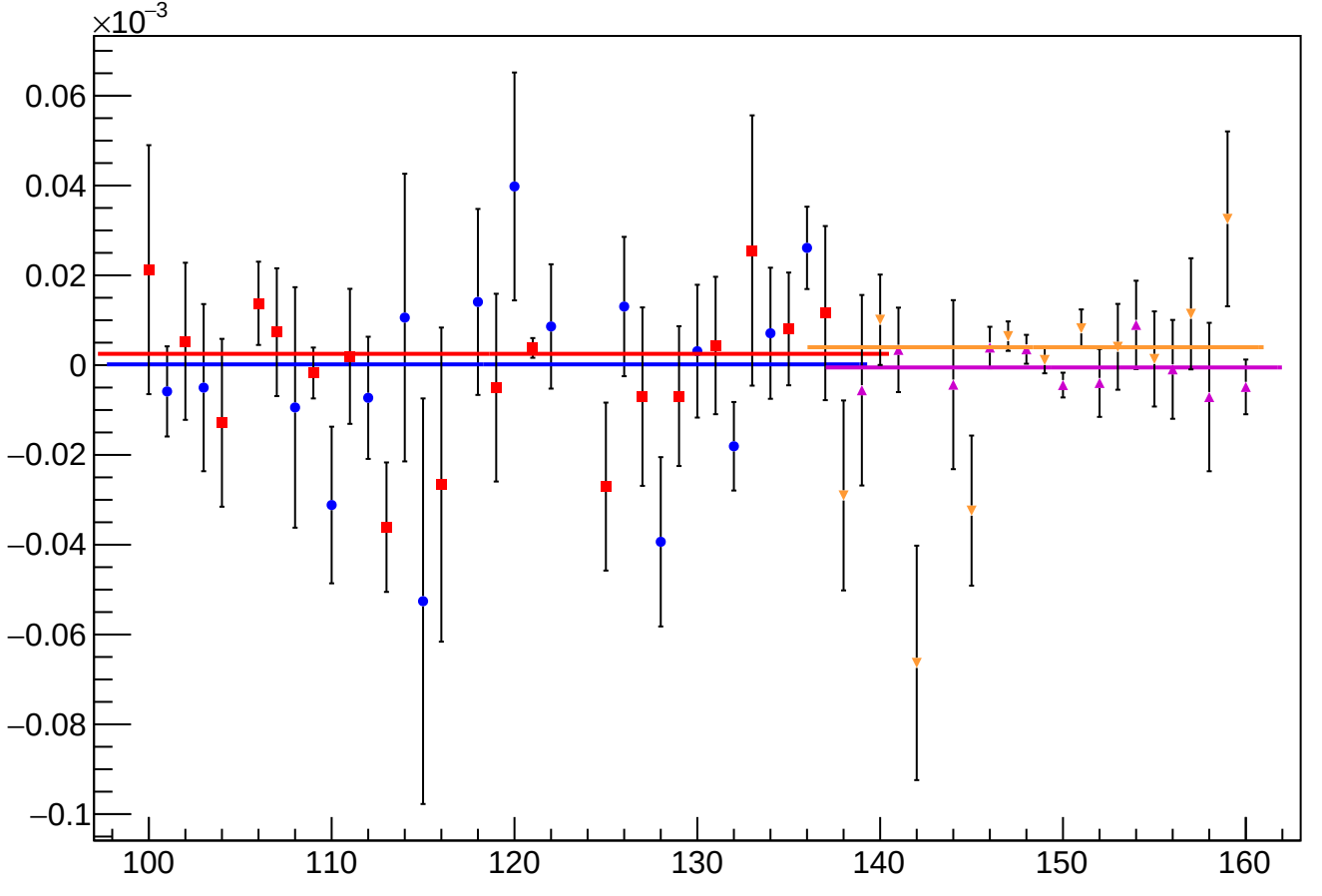
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 141.766+/-0.029 χ^2/NDF:9101323.5/26

Out: 130.762+/-0.029 χ^2/NDF:11613782.4/30

All: 136.131+/-0.021 χ^2/NDF: 20786994.0/57

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:6.6/10

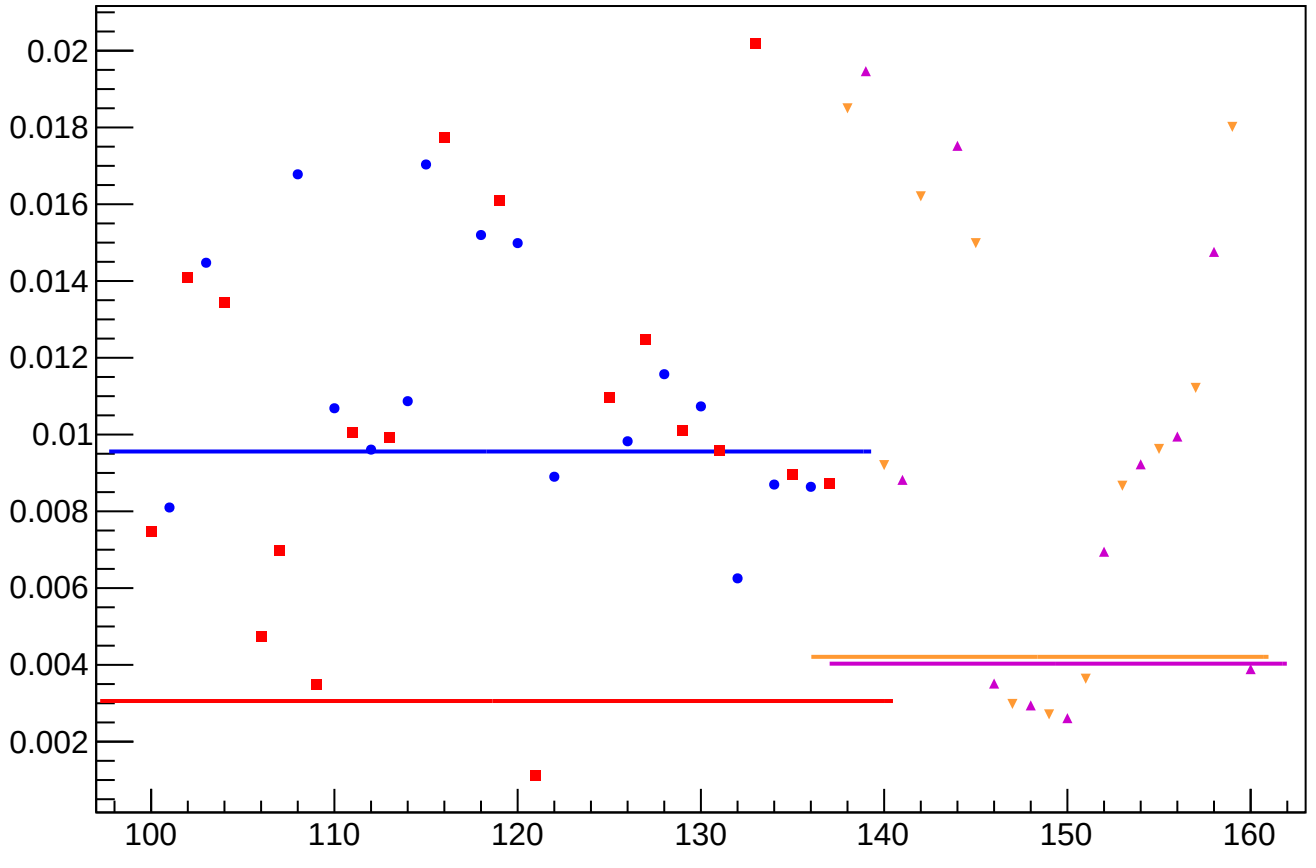
Left: 0.000+/-0.000 χ^2/NDF: 29.8/21

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:32.2/26

Out: 0.000+/-0.000 χ^2/NDF:36.0/28

All: 0.000+/-0.000 χ^2/NDF: 71.6/55



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:5663397.3/10

Left: 0.004+/-0.000 χ^2/NDF: 11764643.9/21

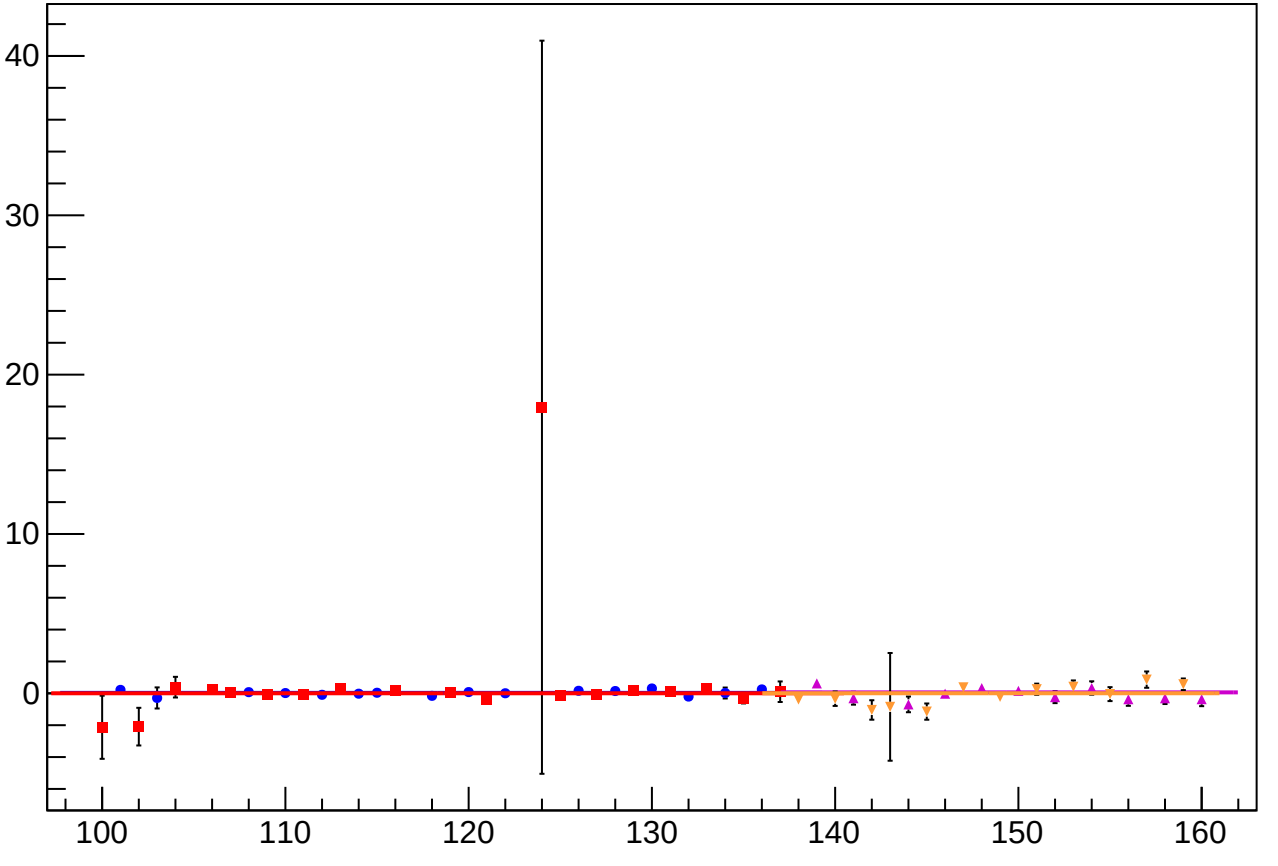
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10246571.1/26

Out: 0.004+/-0.000 χ^2/NDF:14615781.6/28

All: 0.004+/-0.000 χ^2/NDF: 25729250.2/55

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: 0.060+/-0.104 χ^2/NDF:14.0/10

Left: 0.035+/-0.077 χ^2/NDF: 33.6/22

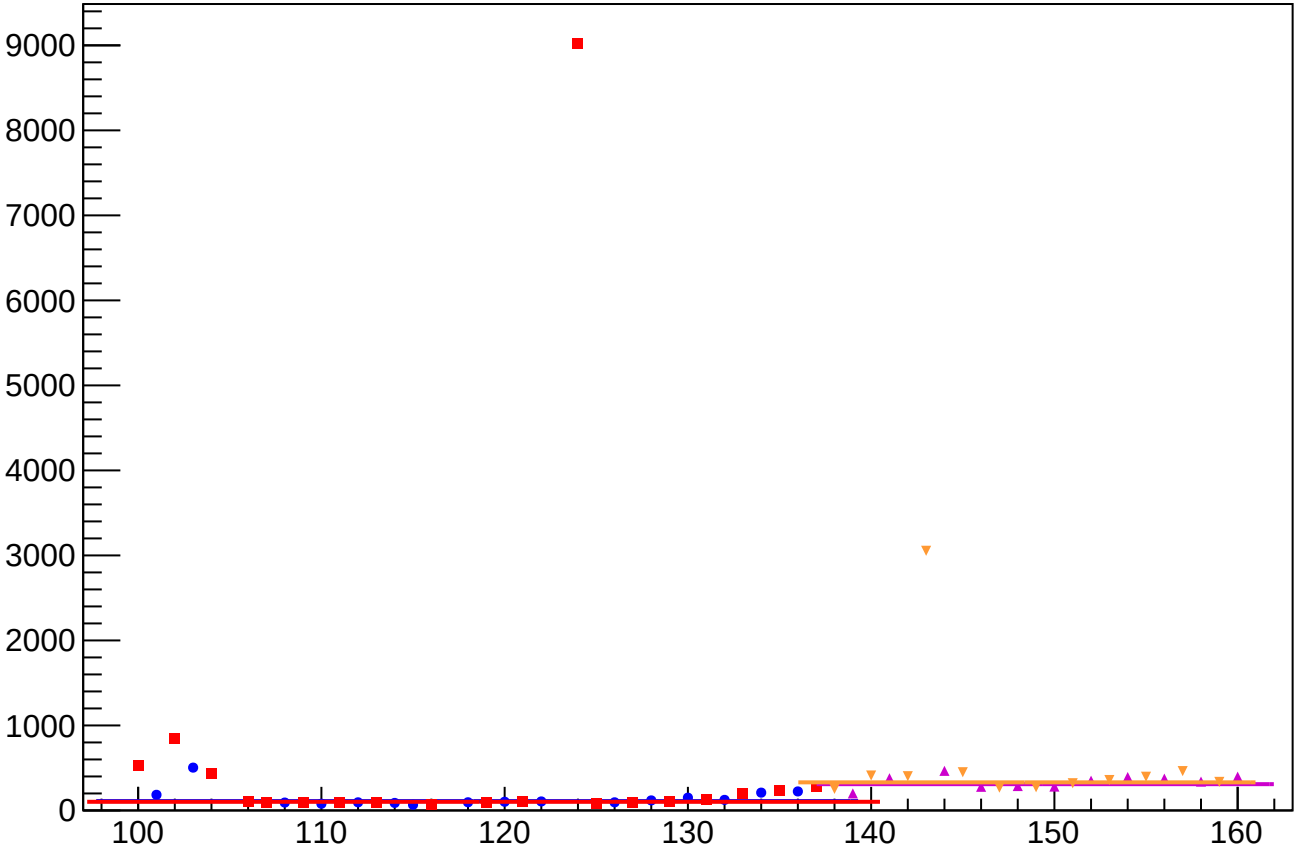
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.018+/-0.029 χ^2/NDF: 65.0/57

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: 309.280+/-0.074 χ^2/NDF:998817.2/10

Left: 318.984+/-0.054 χ^2/NDF: 3028394.1/22

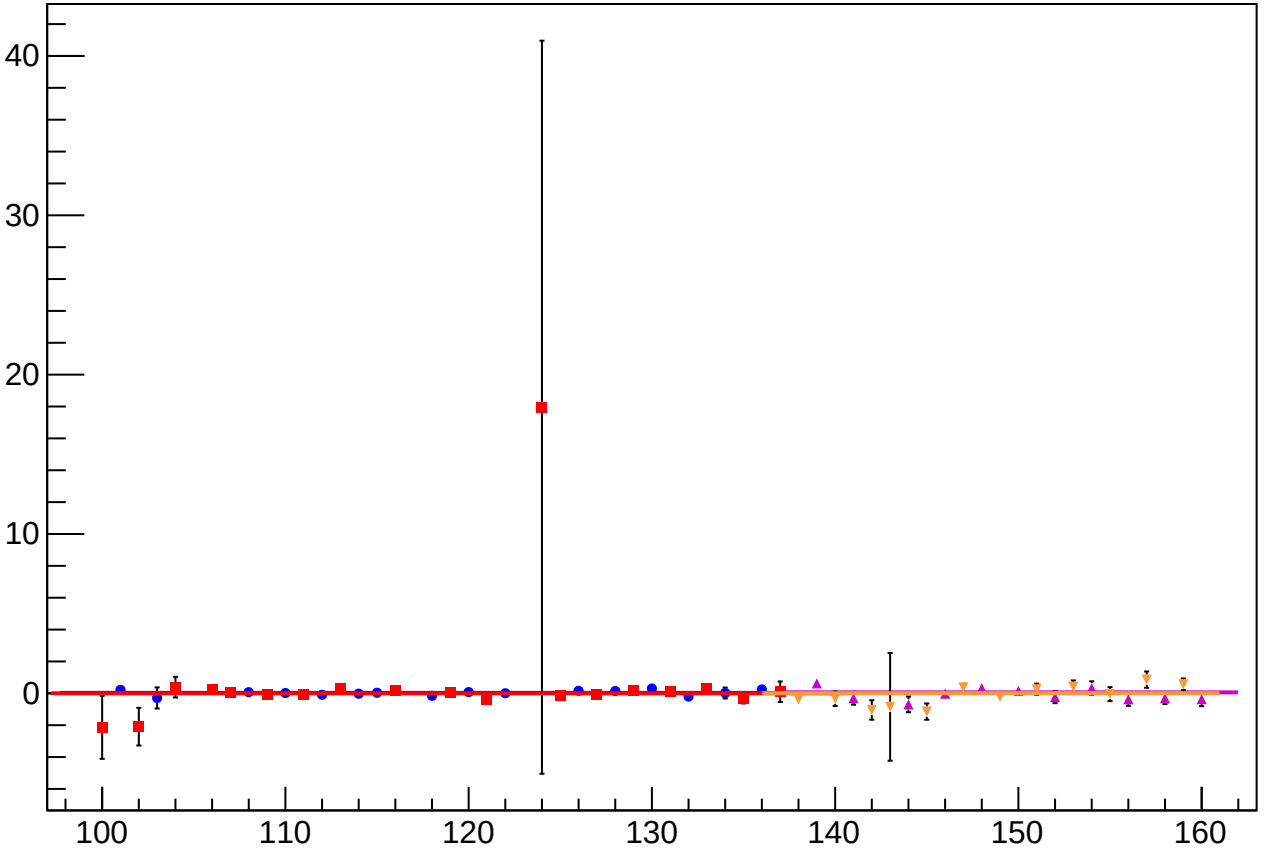
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 141.767+/-0.029 χ^2/NDF:9101296.8/26

Out: 130.764+/-0.029 χ^2/NDF:11613713.5/30

All: 136.132+/-0.021 χ^2/NDF: 20786892.4/57

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: 0.060+/-0.104 χ^2/NDF:14.0/10

Left: 0.035+/-0.077 χ^2/NDF: 33.6/22

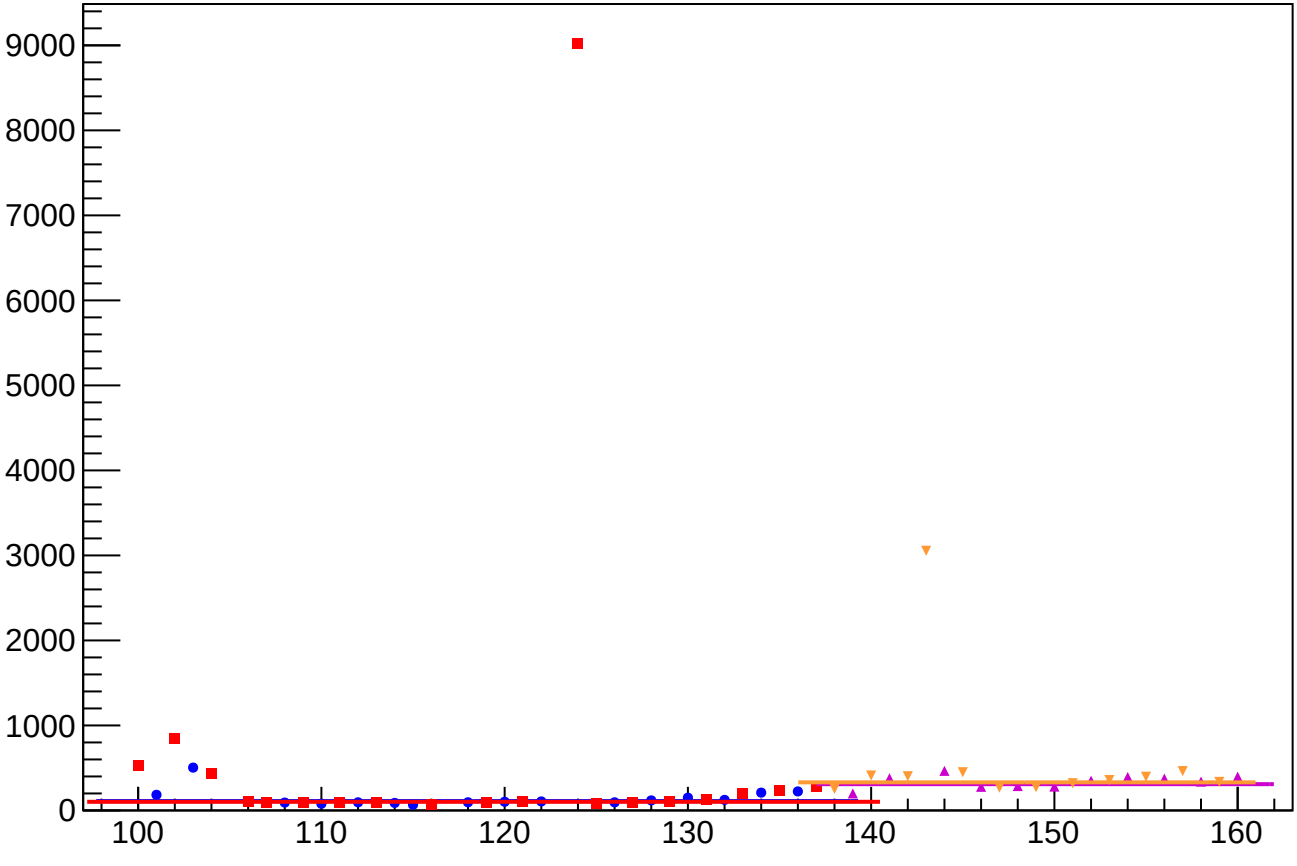
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.004+/-0.041 χ^2/NDF:41.8/30

All: 0.018+/-0.029 χ^2/NDF: 65.0/57

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: 309.280+/-0.074 χ^2/NDF:998817.2/10

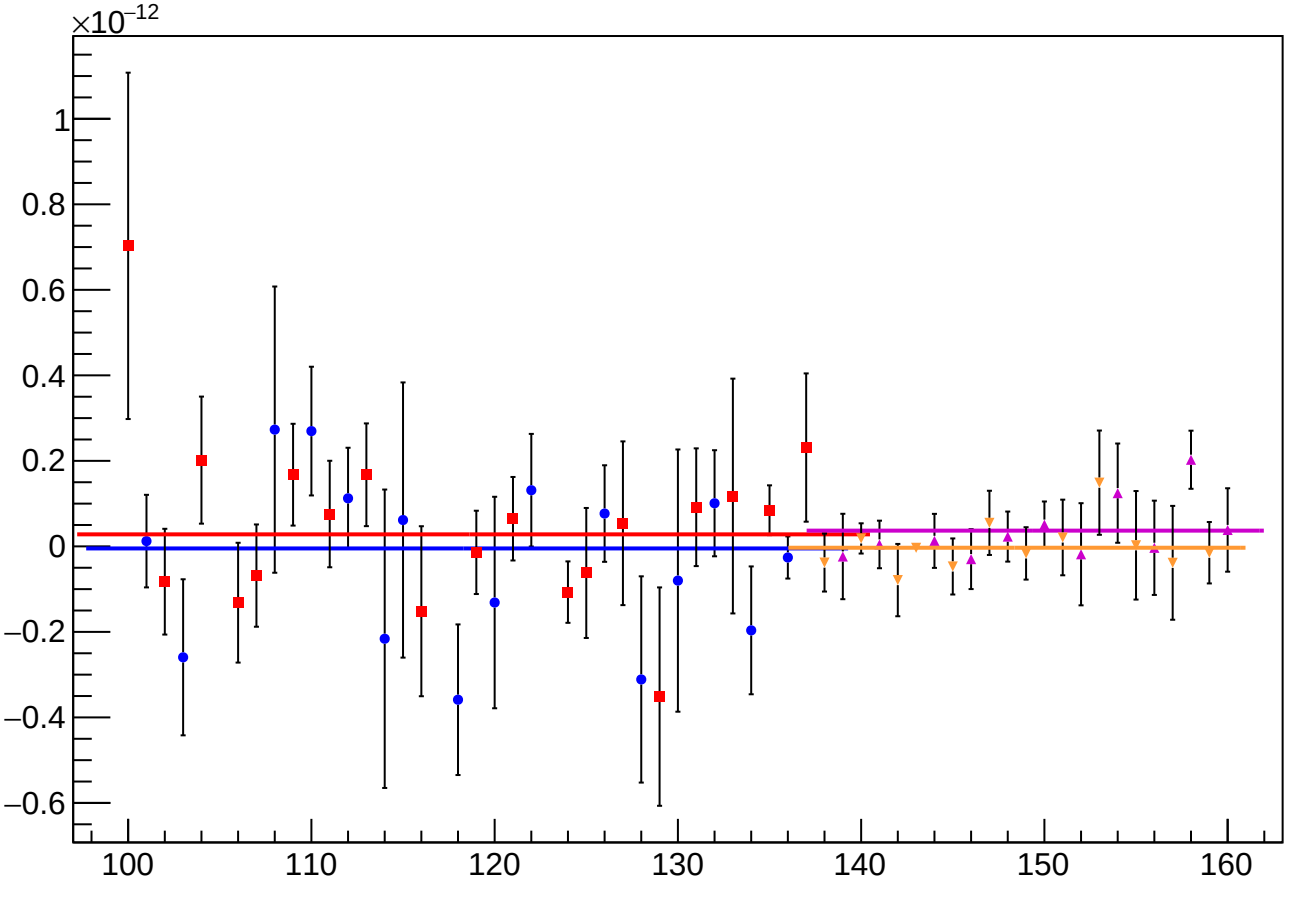
Left: 318.984+/-0.054 χ^2/NDF: 3028394.1/22

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 141.767+/-0.029 χ^2/NDF:9101296.8/26

Out: 130.764+/-0.029 χ^2/NDF:11613713.5/30

All: 136.132+/-0.021 χ^2/NDF: 20786892.4/57



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:8.7/10

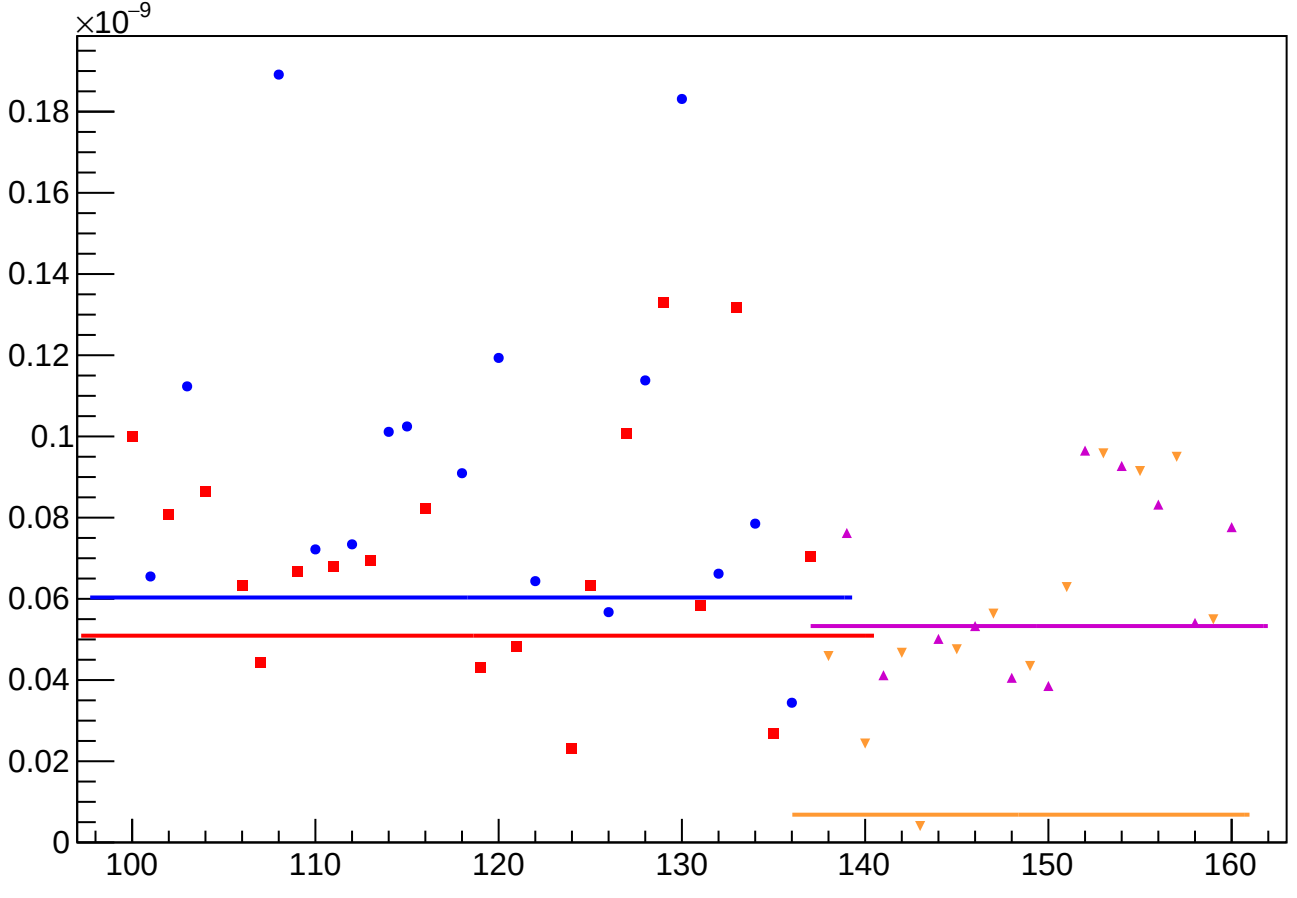
Left: -0.000+/-0.000 χ^2/NDF: 16.1/22

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:25.2/30

All: 0.000+/-0.000 χ^2/NDF: 54.4/57



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:1213026.5/10

Left: 0.000+/-0.000 χ^2/NDF: 18579185.6/22

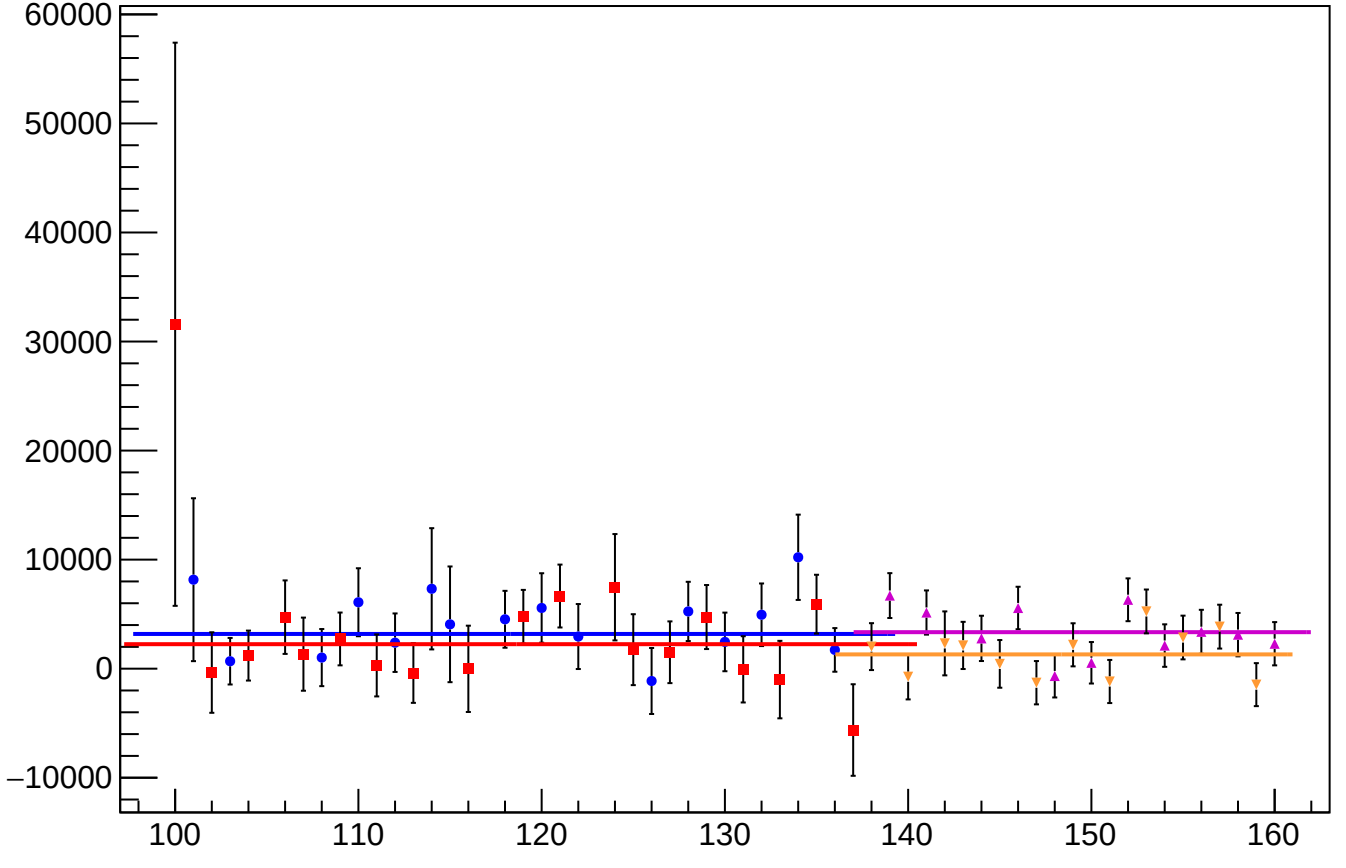
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3025401.6/26

Out: 0.000+/-0.000 χ^2/NDF:15707749.1/30

All: 0.000+/-0.000 χ^2/NDF: 31172681.7/57

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: 3347.412+/-599.135 χ^2/NDF:14.2/10

Left: 2334.328+/-424.908 χ^2/NDF: 32.9/22

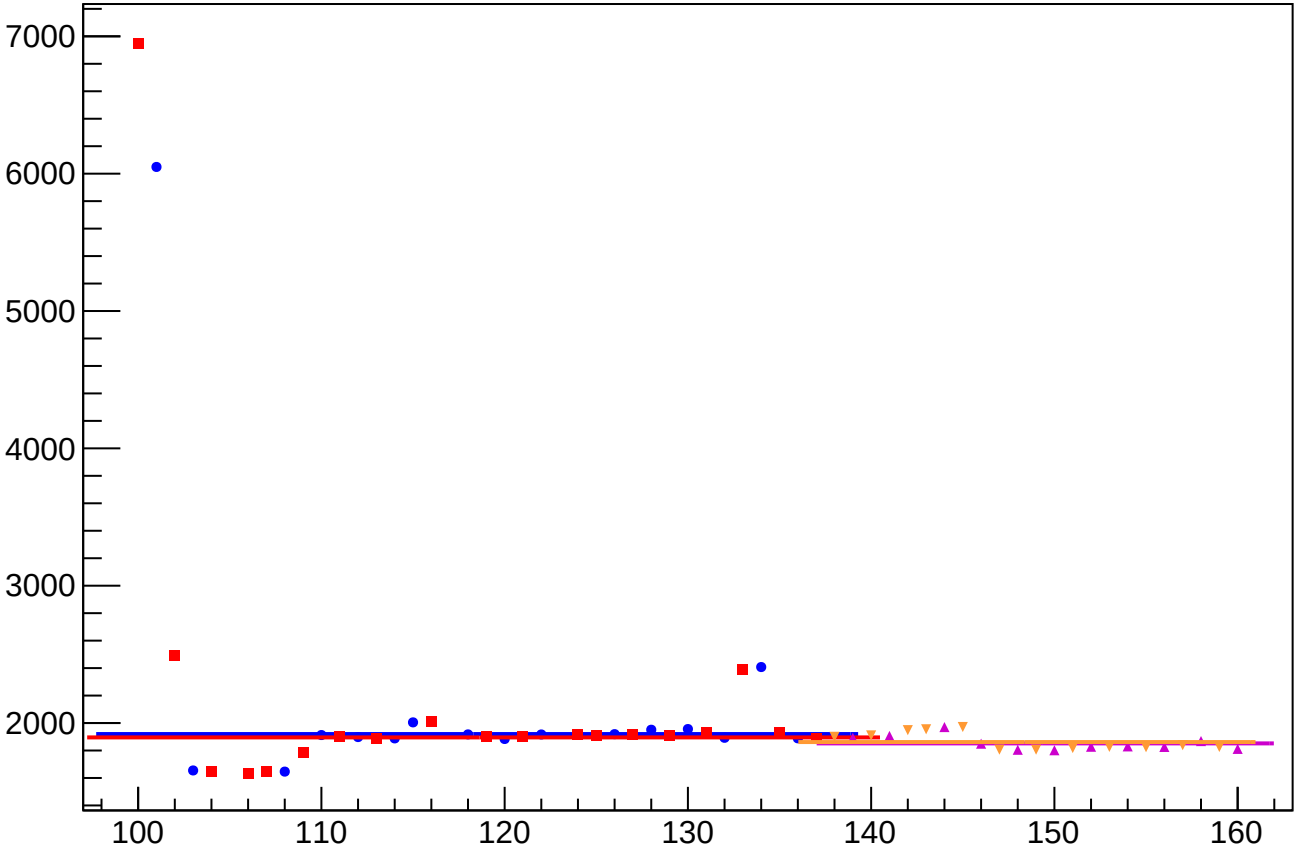
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3281.644+/-463.414 χ^2/NDF:25.9/26

Out: 1700.944+/-459.724 χ^2/NDF:30.5/30

All: 2484.975+/-326.371 χ^2/NDF: 62.3/57

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: 1851.792+/-0.424 χ^2/NDF:13101.2/10

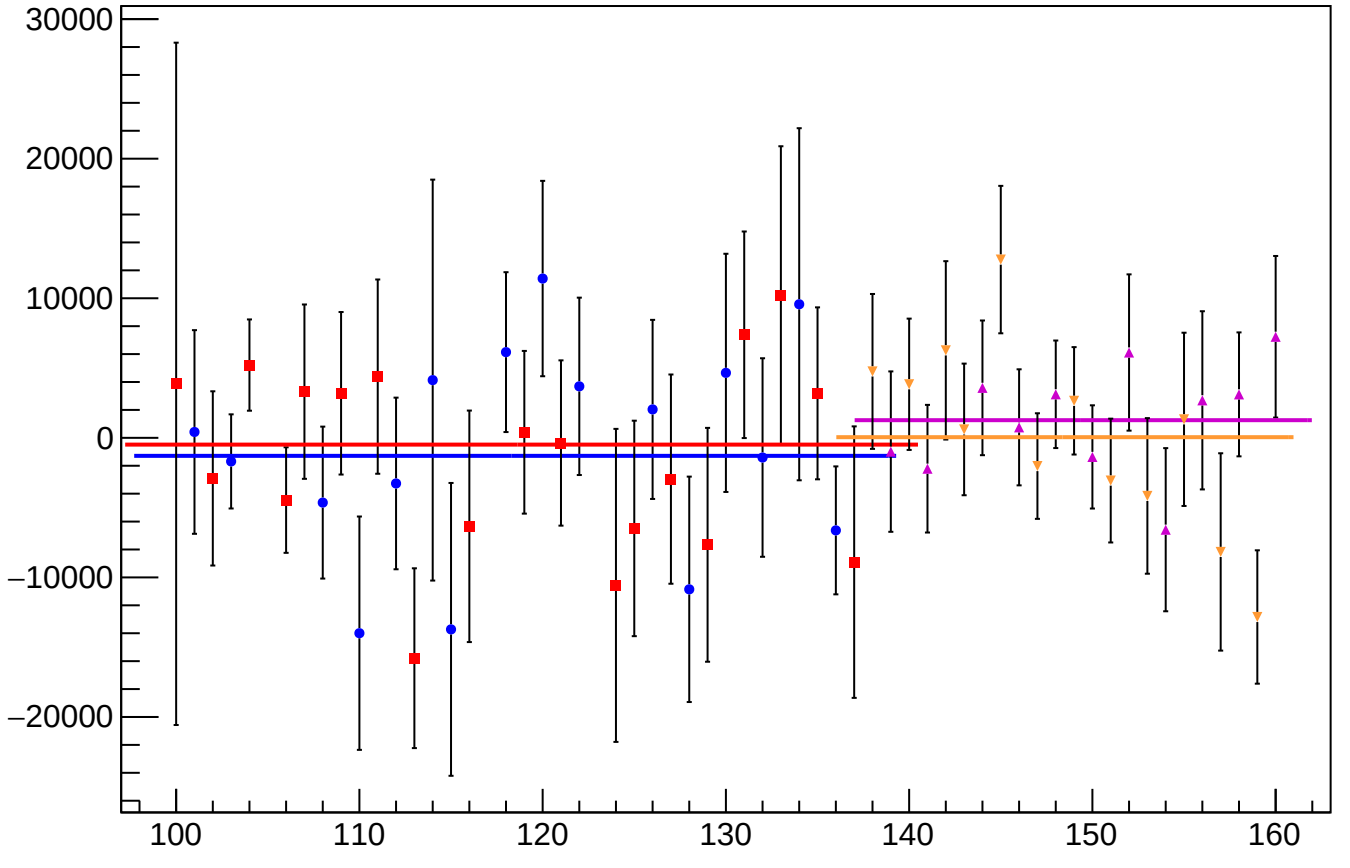
Left: 1856.629+/-0.300 χ^2/NDF: 31859.7/22

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1879.125+/-0.328 χ^2/NDF:720793.4/26

Out: 1875.731+/-0.325 χ^2/NDF:243417.1/30

All: 1877.412+/-0.231 χ^2/NDF: 964264.6/57



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 46.751+/-1423.950 χ^2/NDF:18.6/11

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1264.797+/-1434.849 χ^2/NDF:5.6/10

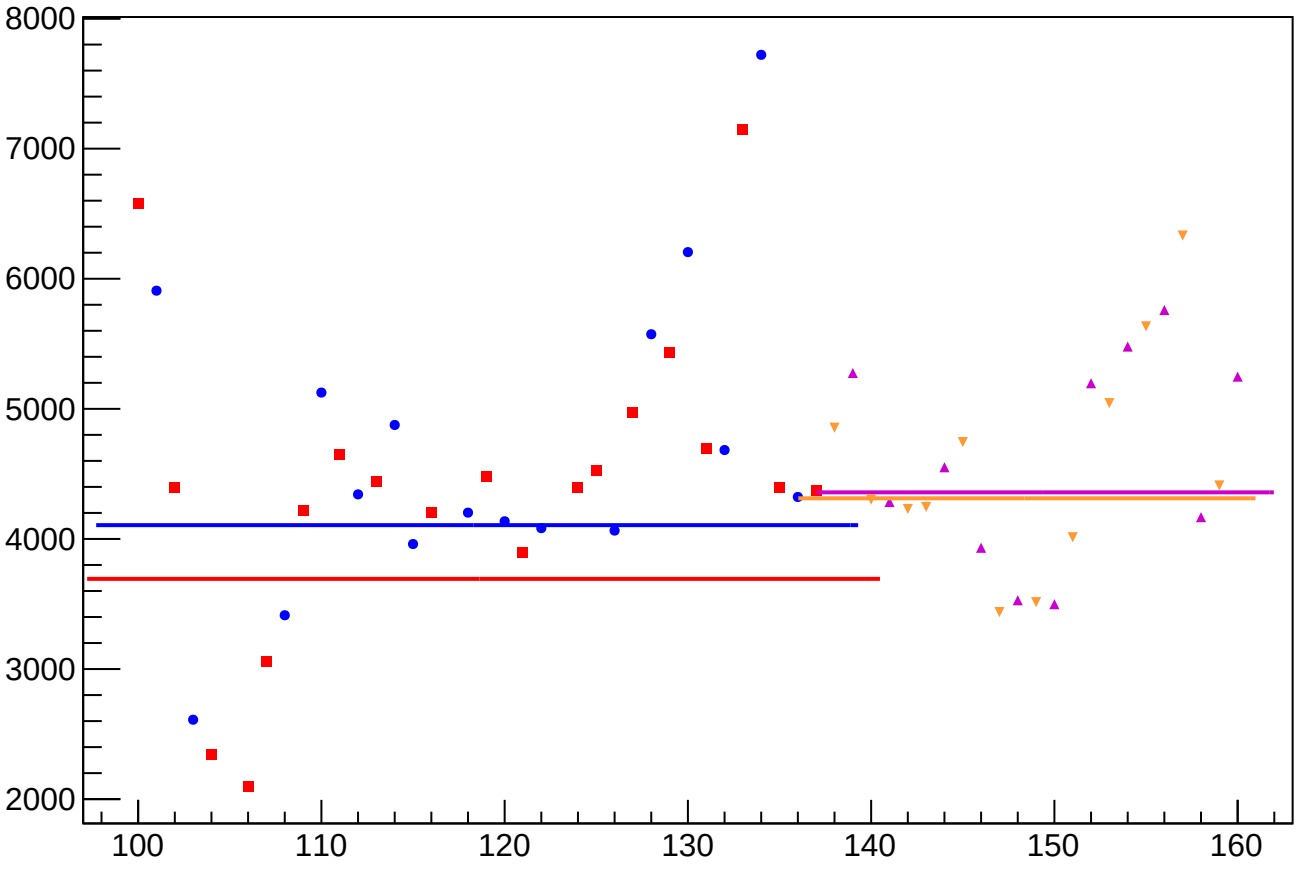
Left: 651.130+/-1010.716 χ^2/NDF: 24.5/22

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: 114.235+/-1063.855 χ^2/NDF:21.2/26

Out: -216.719+/-1011.629 χ^2/NDF:35.9/30

All: -59.564+/-733.098 χ^2/NDF: 57.2/57



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4312.414+/-1.007 χ^2/NDF:524621.5/11

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4358.175+/-1.015 χ^2/NDF:542191.2/10

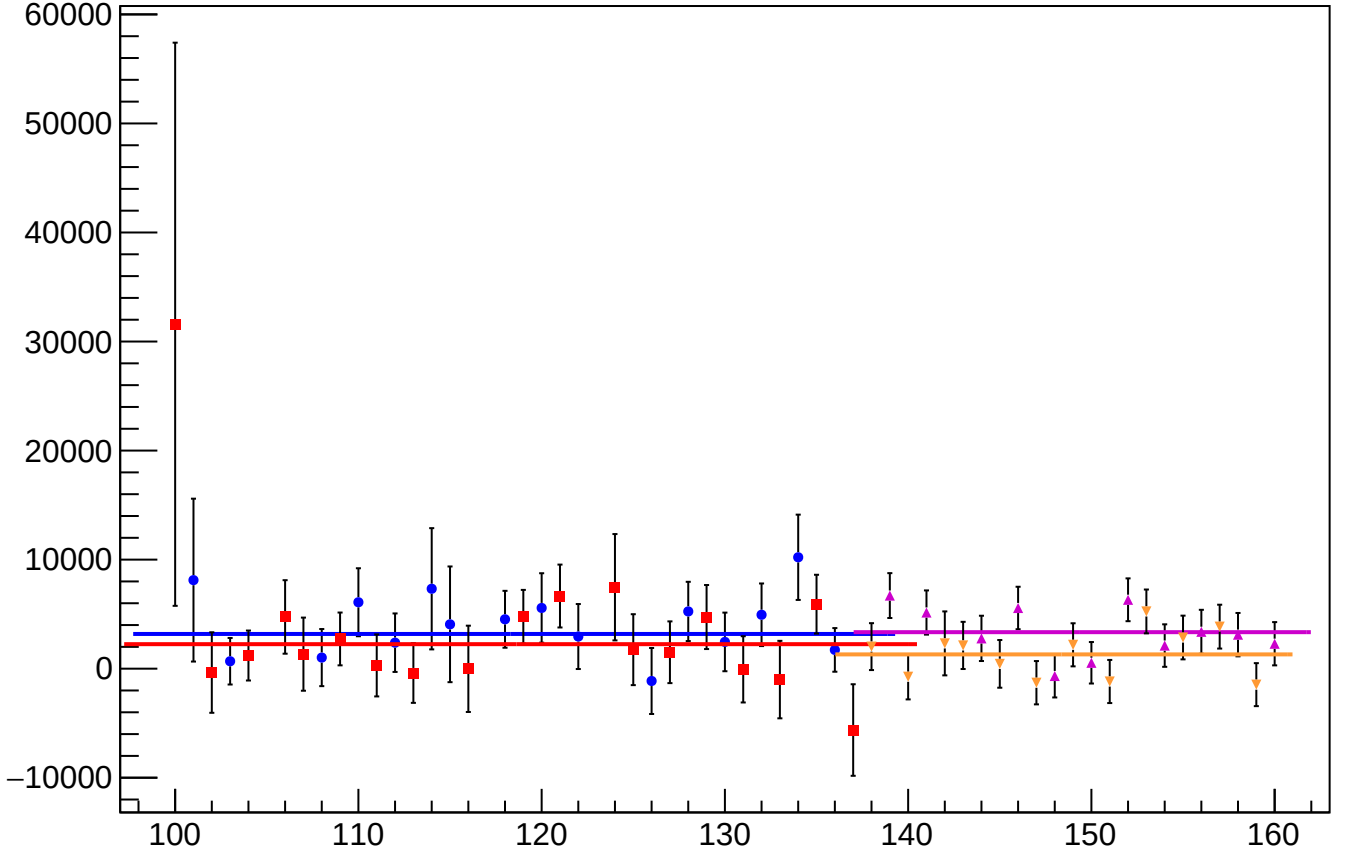
Left: 4335.120+/-0.715 χ^2/NDF: 1067837.6/22

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4244.693+/-0.752 χ^2/NDF:1526106.2/26

Out: 4005.764+/-0.715 χ^2/NDF:2068538.4/30

All: 4119.220+/-0.518 χ^2/NDF: 3647621.0/57



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: 3347.456+/-599.135 χ^2/NDF:14.2/10

Left: 2334.294+/-424.908 χ^2/NDF: 32.9/22

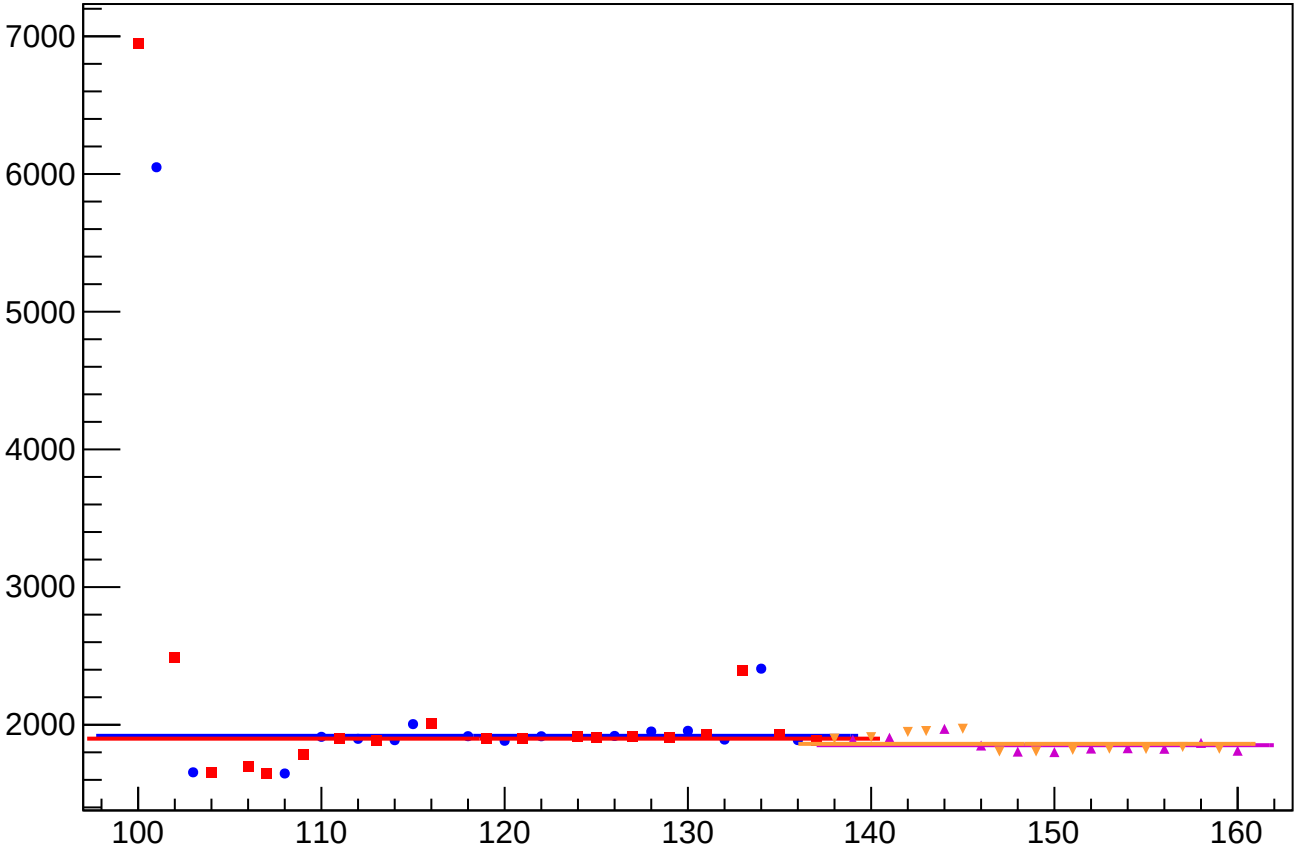
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3281.376+/-463.414 χ^2/NDF:25.9/26

Out: 1701.351+/-459.725 χ^2/NDF:30.5/30

All: 2485.048+/-326.371 χ^2/NDF: 62.3/57

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: 1851.793+/-0.424 χ^2/NDF:13101.2/10

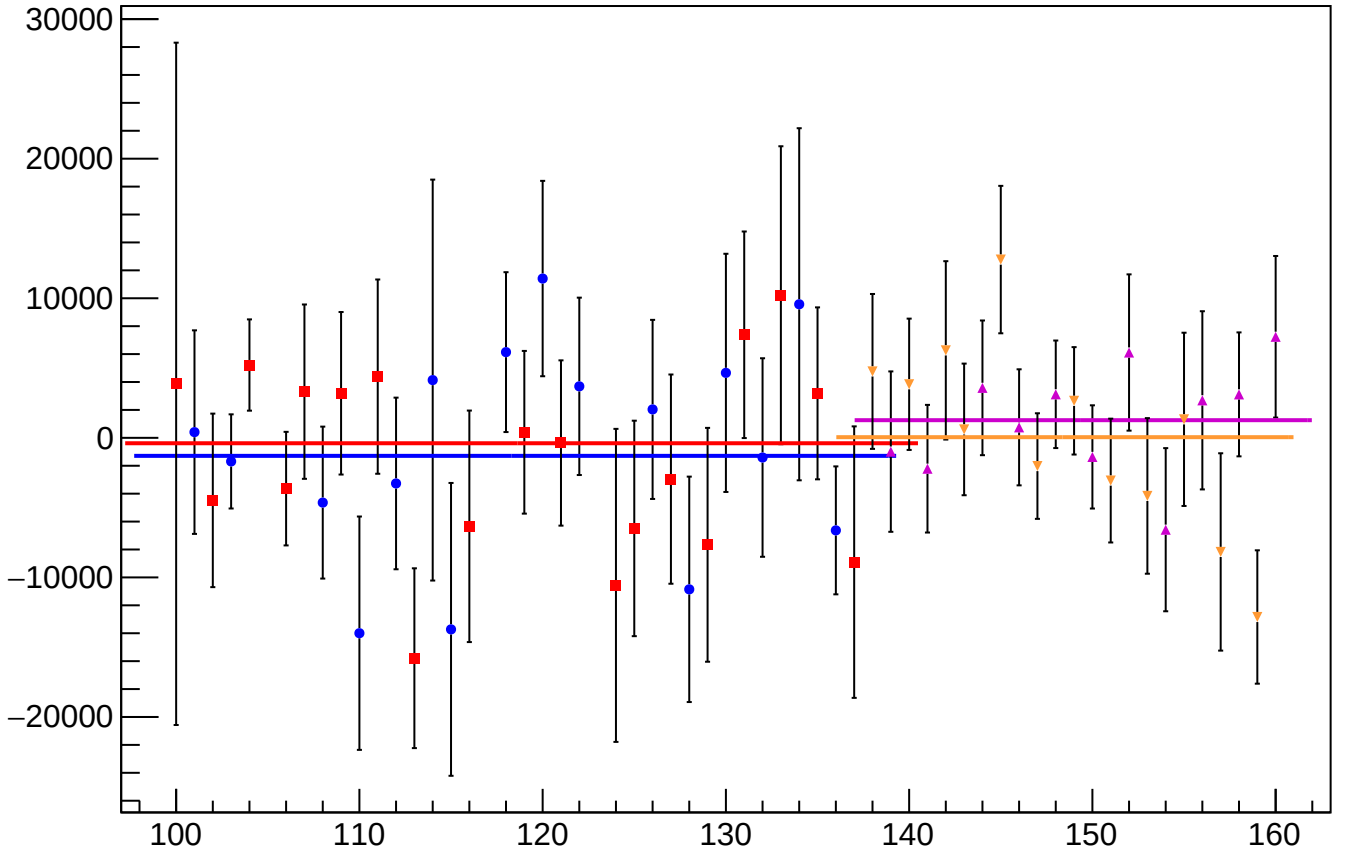
Left: 1856.629+/-0.300 χ^2/NDF: 31859.7/22

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1879.125+/-0.328 χ^2/NDF:720792.6/26

Out: 1877.377+/-0.325 χ^2/NDF:237453.3/30

All: 1878.243+/-0.231 χ^2/NDF: 958260.2/57



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 46.709+/-1423.946 χ^2/NDF:18.6/11

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1264.824+/-1434.851 χ^2/NDF:5.6/10

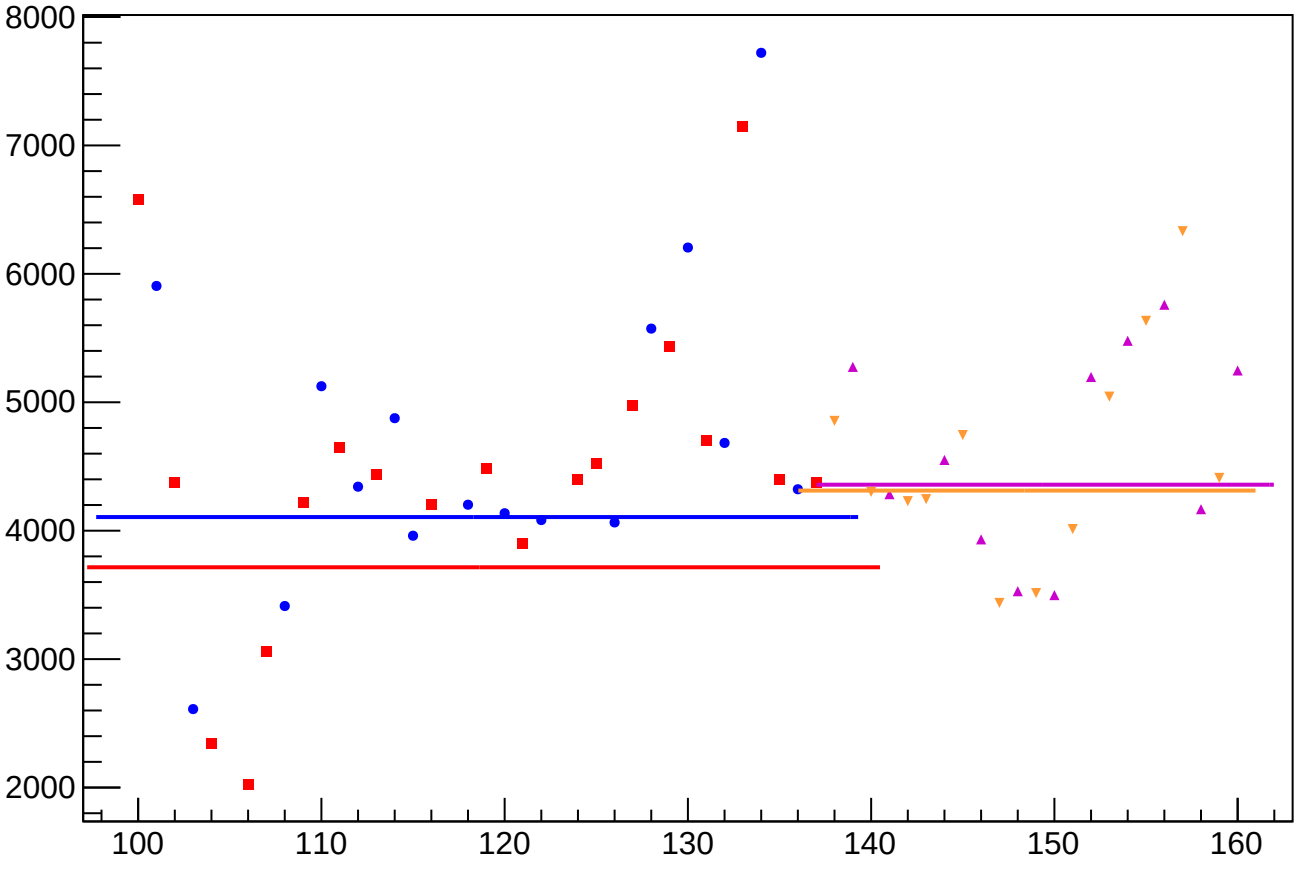
Left: 651.120+/-1010.715 χ^2/NDF: 24.5/22

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 114.085+/-1063.856 χ^2/NDF:21.2/26

Out: -166.292+/-1016.494 χ^2/NDF:35.7/30

All: -32.484+/-734.943 χ^2/NDF: 56.9/57



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: 4358.180+/-1.015 χ^2/NDF:542187.3/10

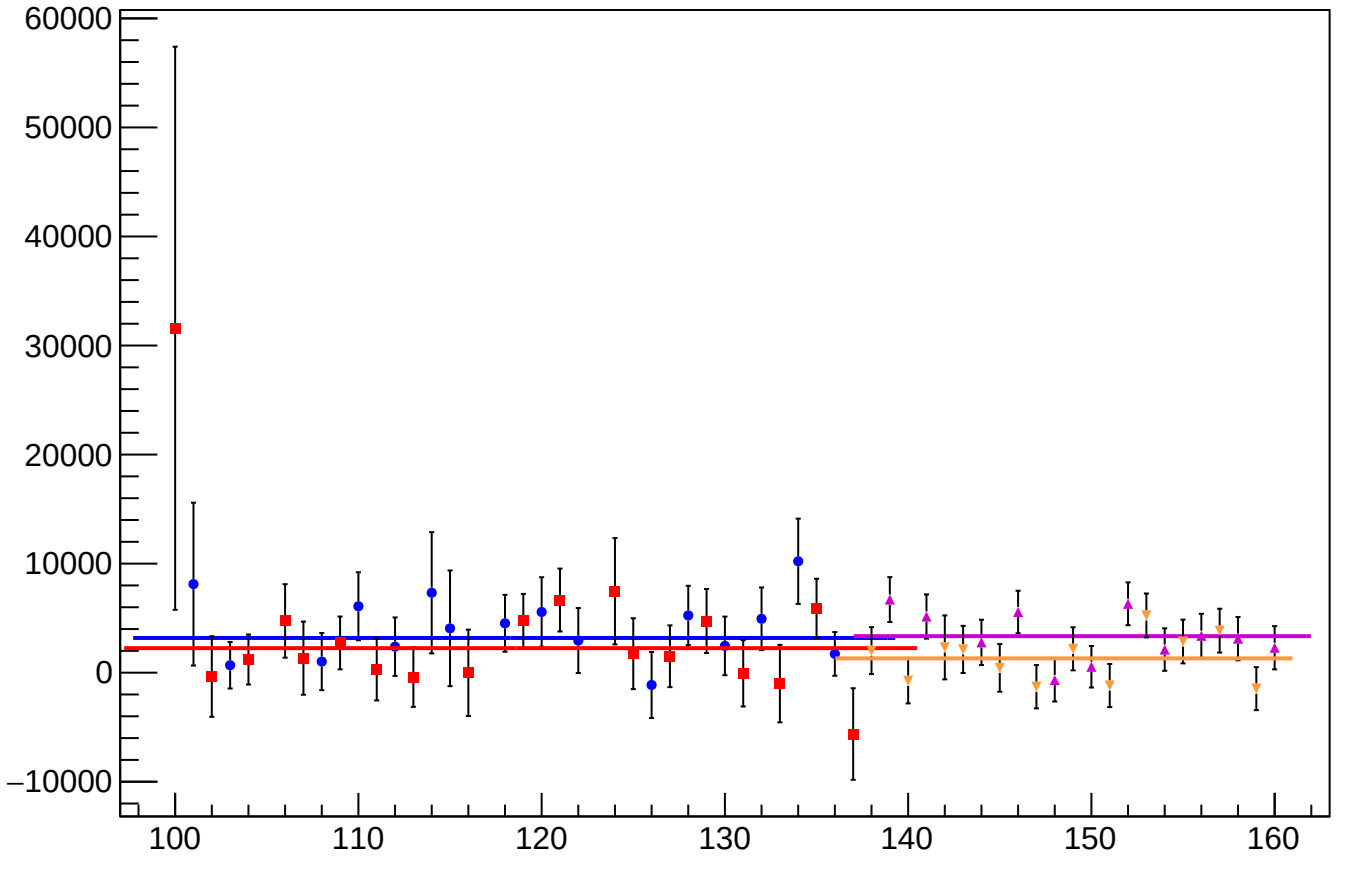
Left: 4335.116+/-0.715 χ^2/NDF: 1067846.2/22

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4244.737+/-0.752 χ^2/NDF:1525583.7/26

Out: 4019.530+/-0.719 χ^2/NDF:2032253.3/30

All: 4127.009+/-0.520 χ^2/NDF: 3604688.8/57



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: 3347.456+/-599.135 χ^2/NDF:14.2/10

Left: 2334.294+/-424.908 χ^2/NDF: 32.9/22

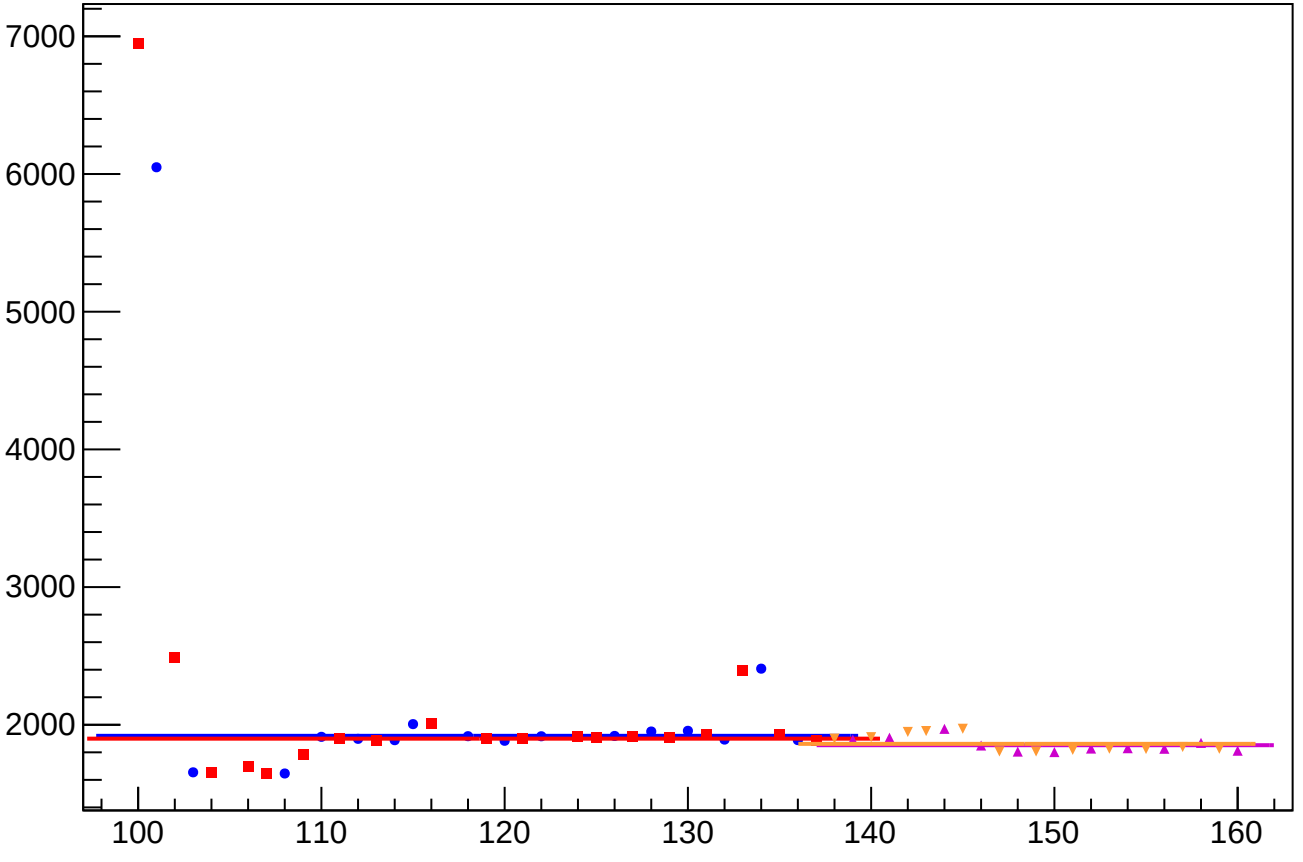
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3281.376+/-463.414 χ^2/NDF:25.9/26

Out: 1701.351+/-459.725 χ^2/NDF:30.5/30

All: 2485.048+/-326.371 χ^2/NDF: 62.3/57

eigen_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: 1851.793+/-0.424 χ^2/NDF:13101.2/10

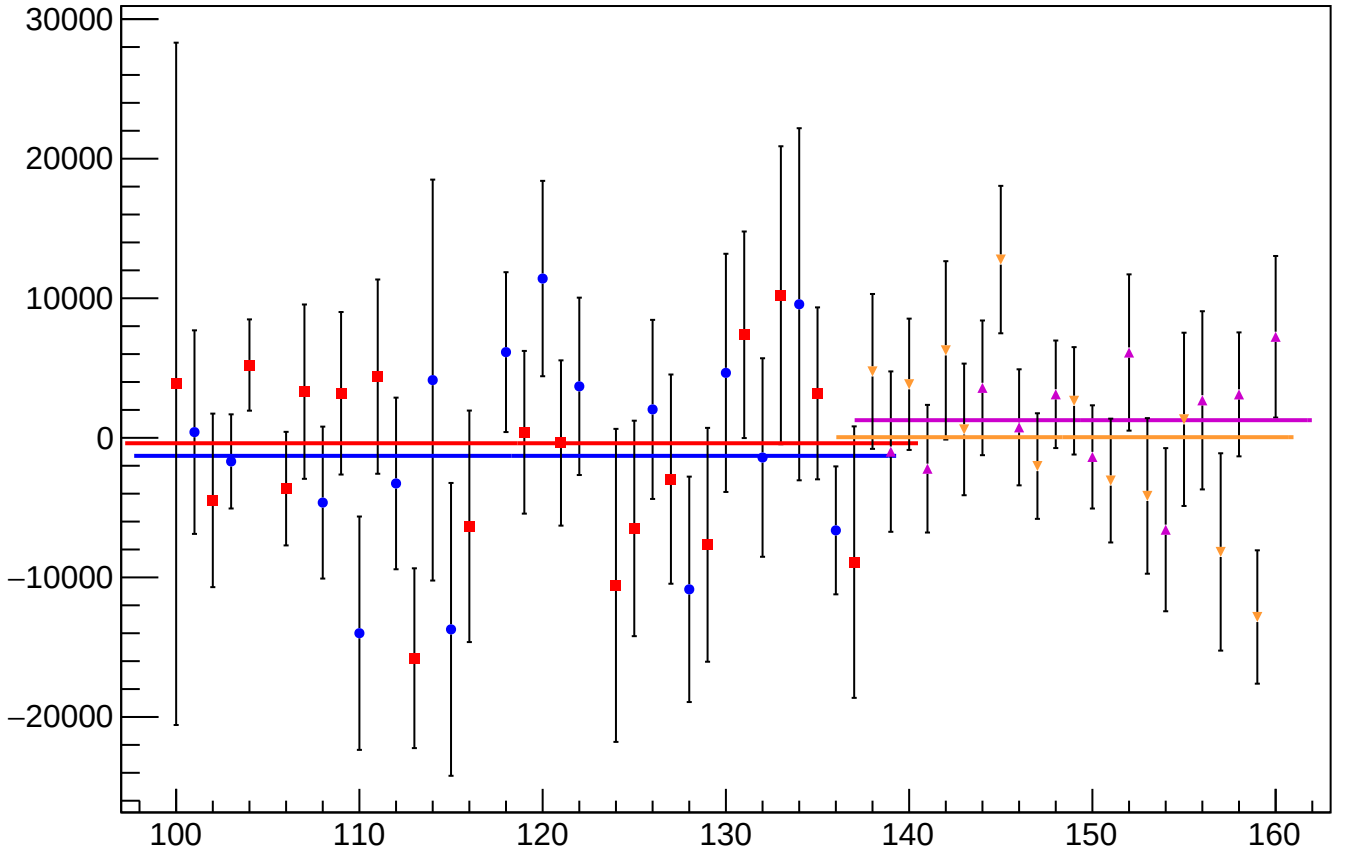
Left: 1856.629+/-0.300 χ^2/NDF: 31859.7/22

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1879.125+/-0.328 χ^2/NDF:720792.6/26

Out: 1877.377+/-0.325 χ^2/NDF:237453.3/30

All: 1878.243+/-0.231 χ^2/NDF: 958260.2/57



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 46.709+/-1423.946 χ^2/NDF:18.6/11

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1264.824+/-1434.851 χ^2/NDF:5.6/10

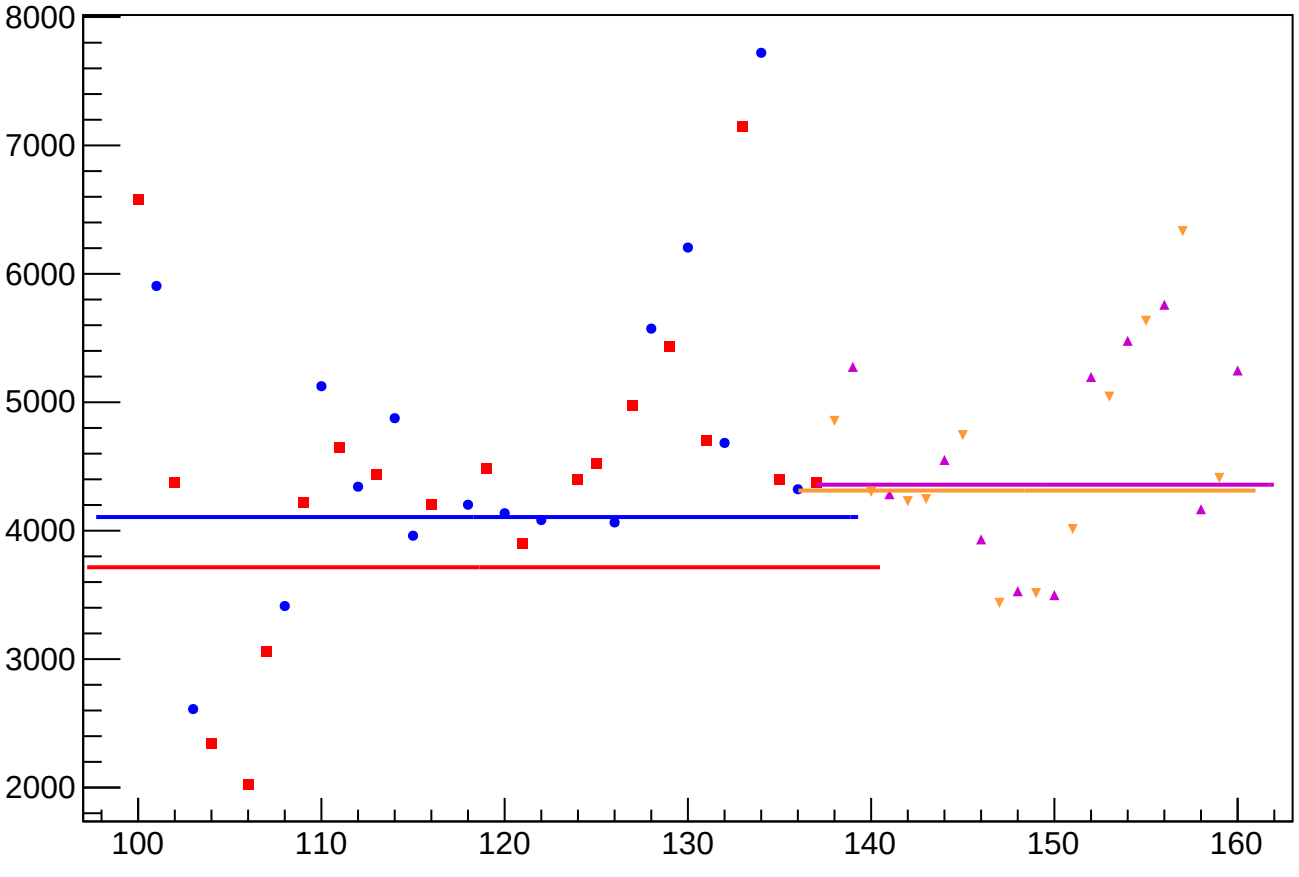
Left: 651.120+/-1010.715 χ^2/NDF: 24.5/22

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 114.085+/-1063.856 χ^2/NDF:21.2/26

Out: -166.292+/-1016.494 χ^2/NDF:35.7/30

All: -32.484+/-734.943 χ^2/NDF: 56.9/57



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: 4358.180+/-1.015 χ^2/NDF:542187.3/10

Left: 4335.116+/-0.715 χ^2/NDF: 1067846.2/22

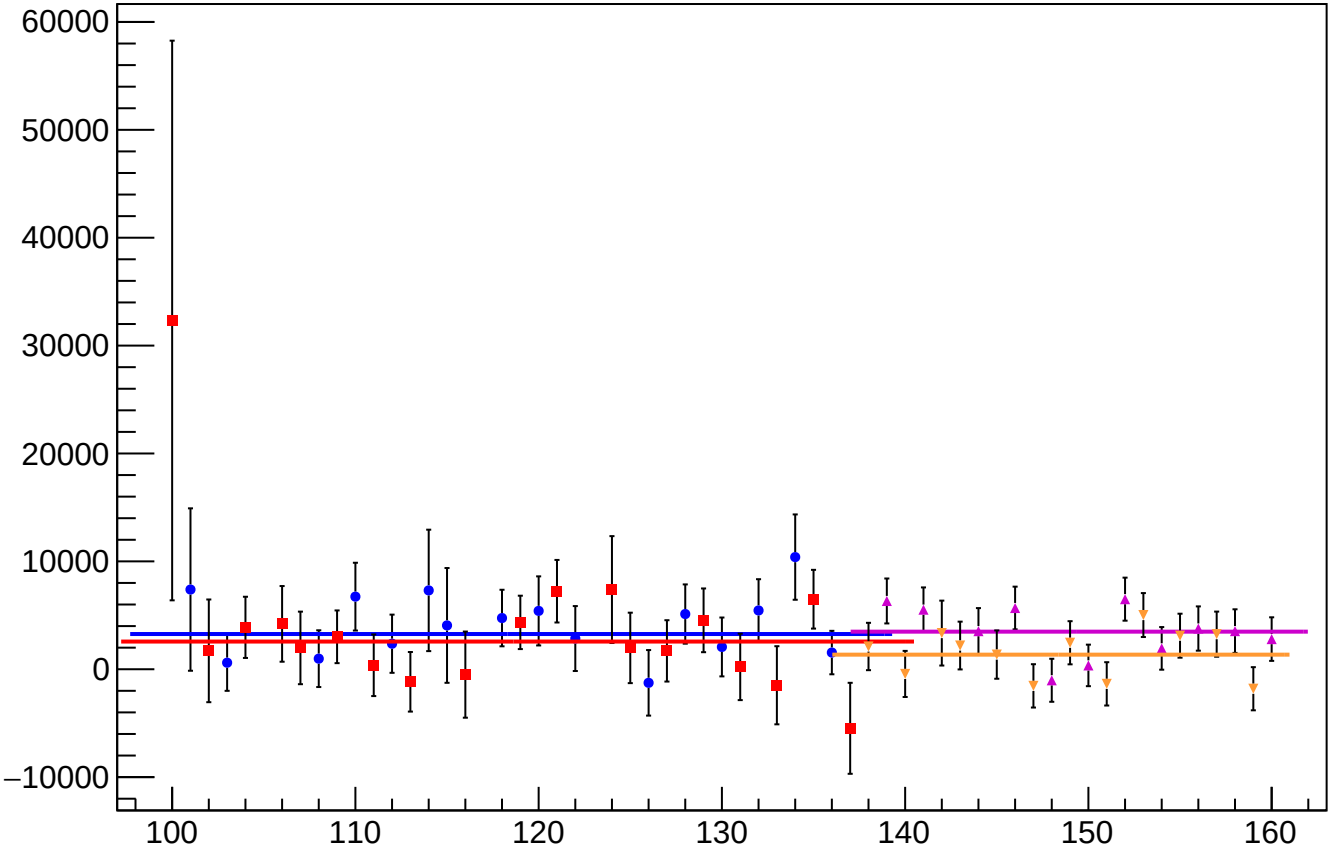
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4244.737+/-0.752 χ^2/NDF:1525583.7/26

Out: 4019.530+/-0.719 χ^2/NDF:2032253.3/30

All: 4127.009+/-0.520 χ^2/NDF: 3604688.8/57

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: 3484.203+/-608.808 χ^2/NDF:14.9/10

Left: 2428.383+/-432.535 χ^2/NDF: 33.9/22

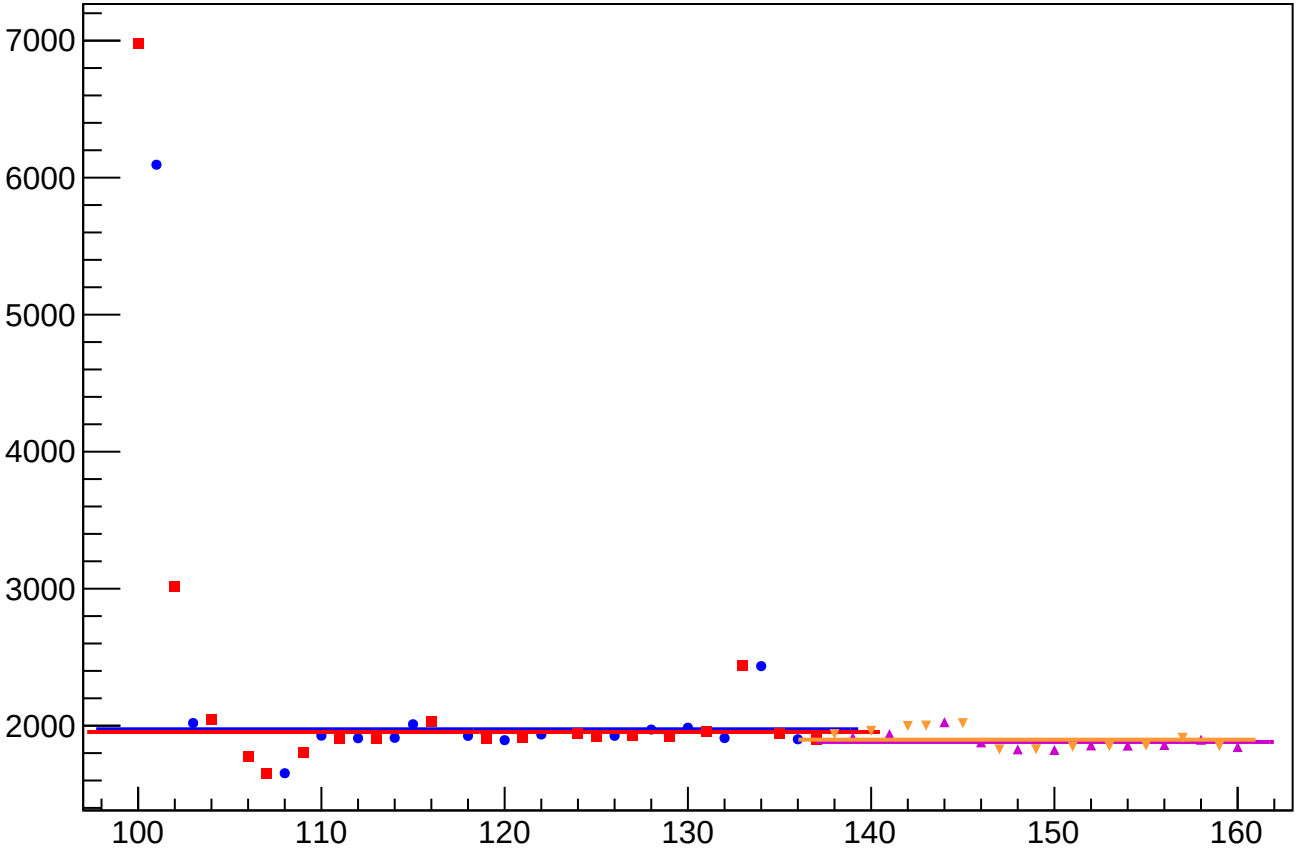
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3397.113+/-472.896 χ^2/NDF:27.1/26

Out: 1852.126+/-471.465 χ^2/NDF:31.5/30

All: 2622.279+/-333.881 χ^2/NDF: 64.0/57

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: 1881.492+/-0.430 χ^2/NDF:16244.2/10

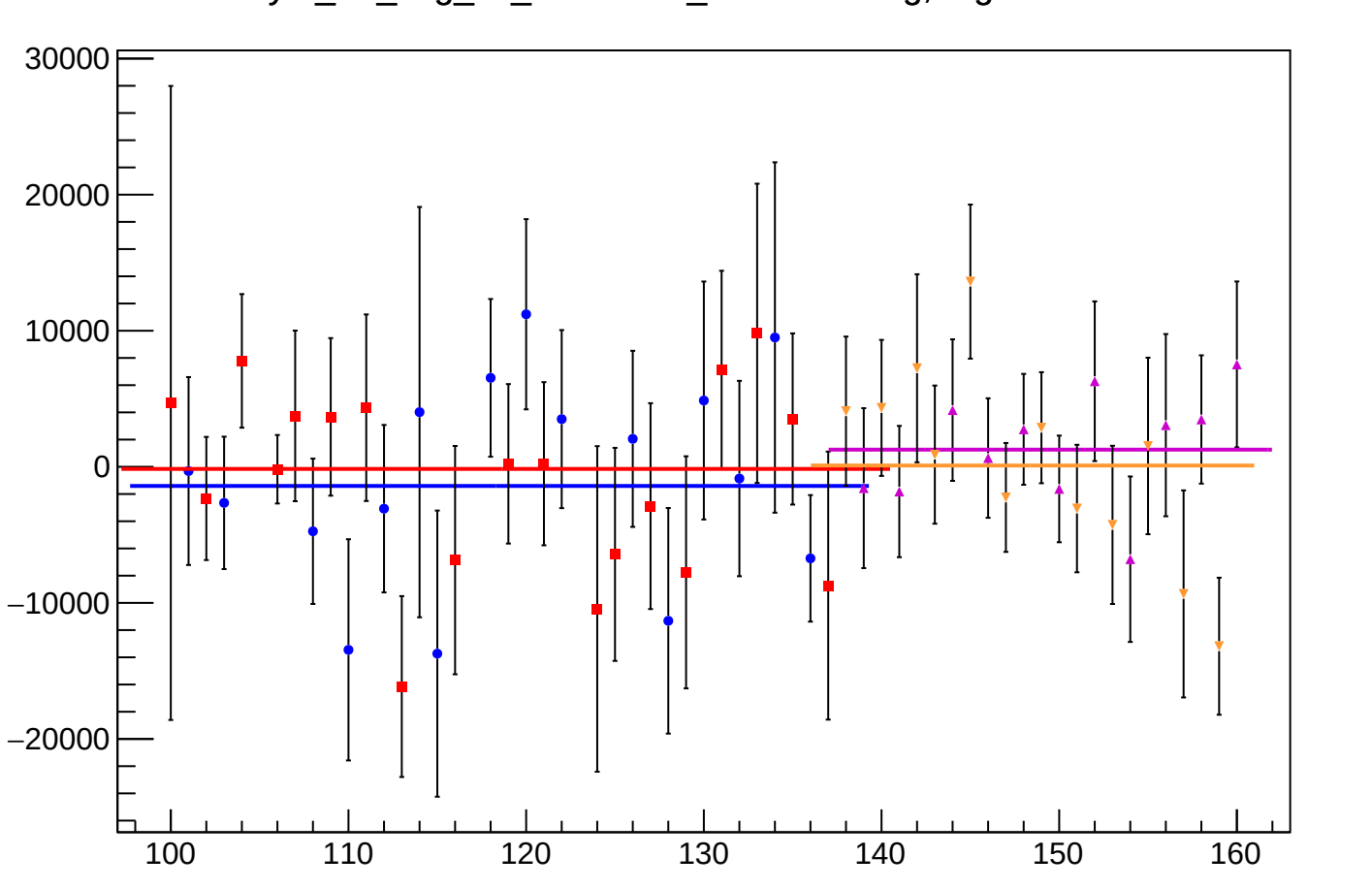
Left: 1889.663+/-0.306 χ^2/NDF: 41186.6/22

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1918.086+/-0.334 χ^2/NDF:699584.9/26

Out: 1921.207+/-0.333 χ^2/NDF:277352.5/30

All: 1919.652+/-0.236 χ^2/NDF: 976981.1/57



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 94.422+/-1503.410 χ^2/NDF:18.4/11

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1261.213+/-1513.539 χ^2/NDF:5.5/10

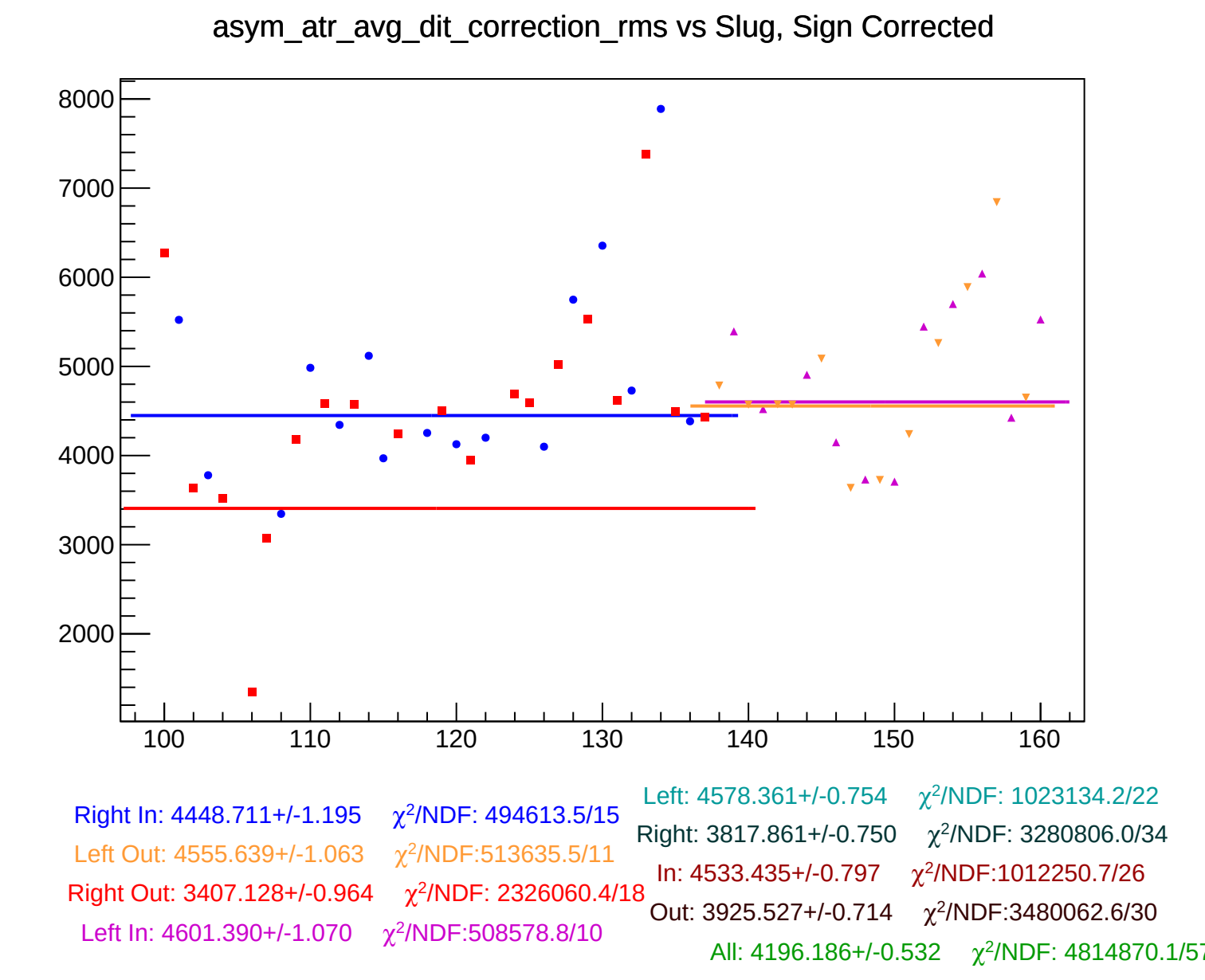
Left: 673.900+/-1066.634 χ^2/NDF: 24.2/22

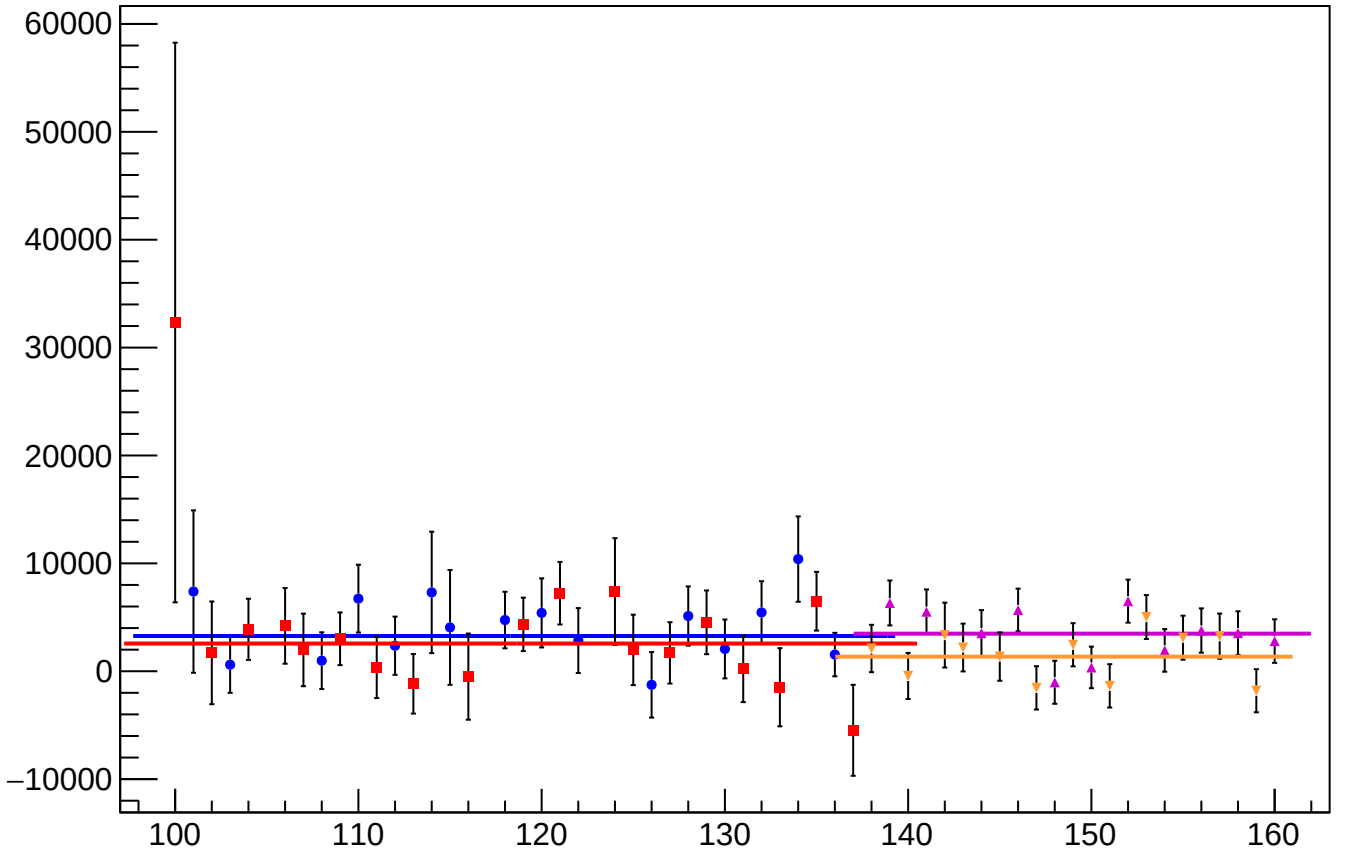
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: 73.457+/-1127.473 χ^2/NDF:21.1/26

Out: -42.568+/-1010.048 χ^2/NDF:34.2/30

All: 9.090+/-752.313 χ^2/NDF: 55.3/57


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: 4601.390+/-1.070 χ²/NDF:508578.8/10
Left: 4578.361+/-0.754 χ²/NDF: 1023134.2/22
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4533.435+/-0.797 χ²/NDF:1012250.7/26
Out: 3925.527+/-0.714 χ²/NDF:3480062.6/30
All: 4196.186+/-0.532 χ²/NDF: 4814870.1/57



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: 3484.203+/-608.808 χ^2/NDF:14.9/10

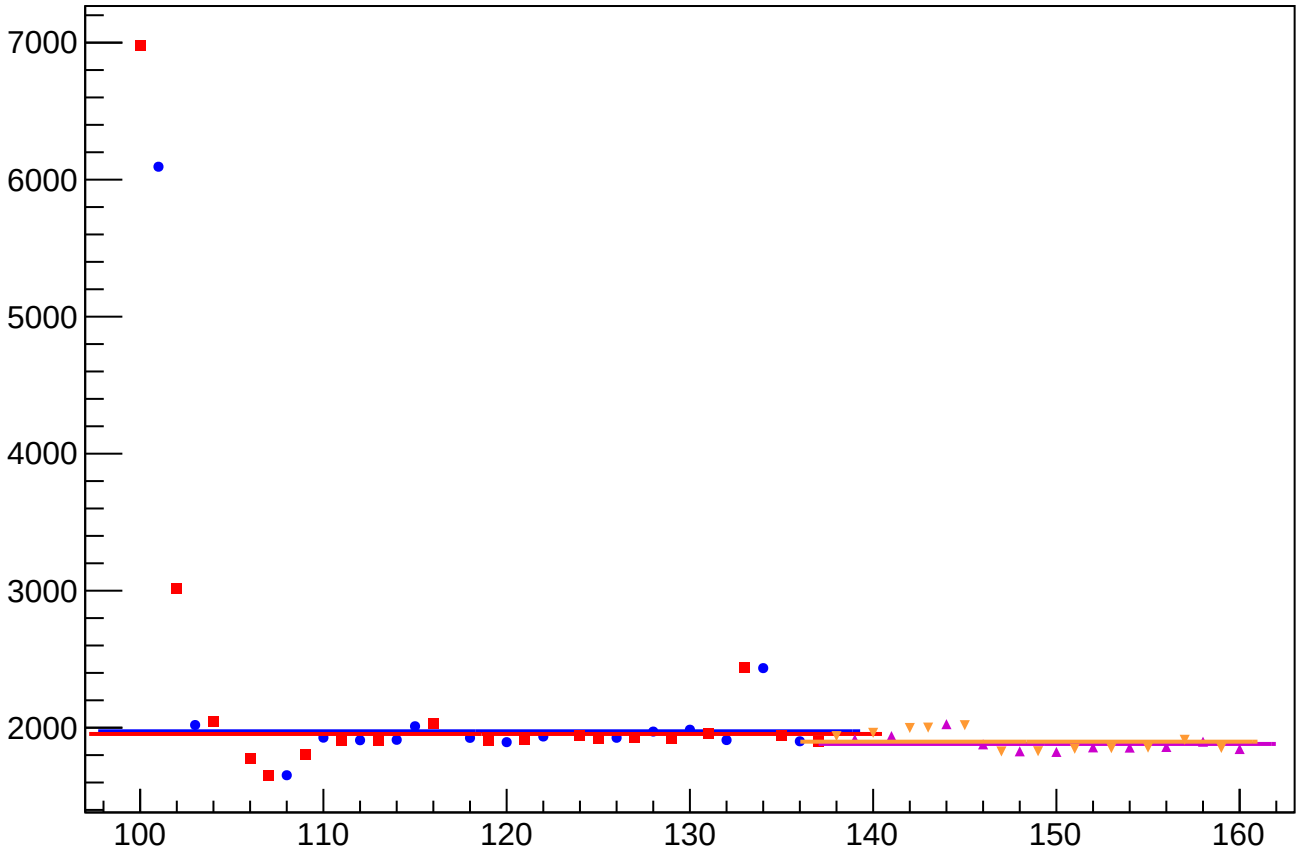
Left: 2428.381+/-432.535 χ^2/NDF: 33.9/22

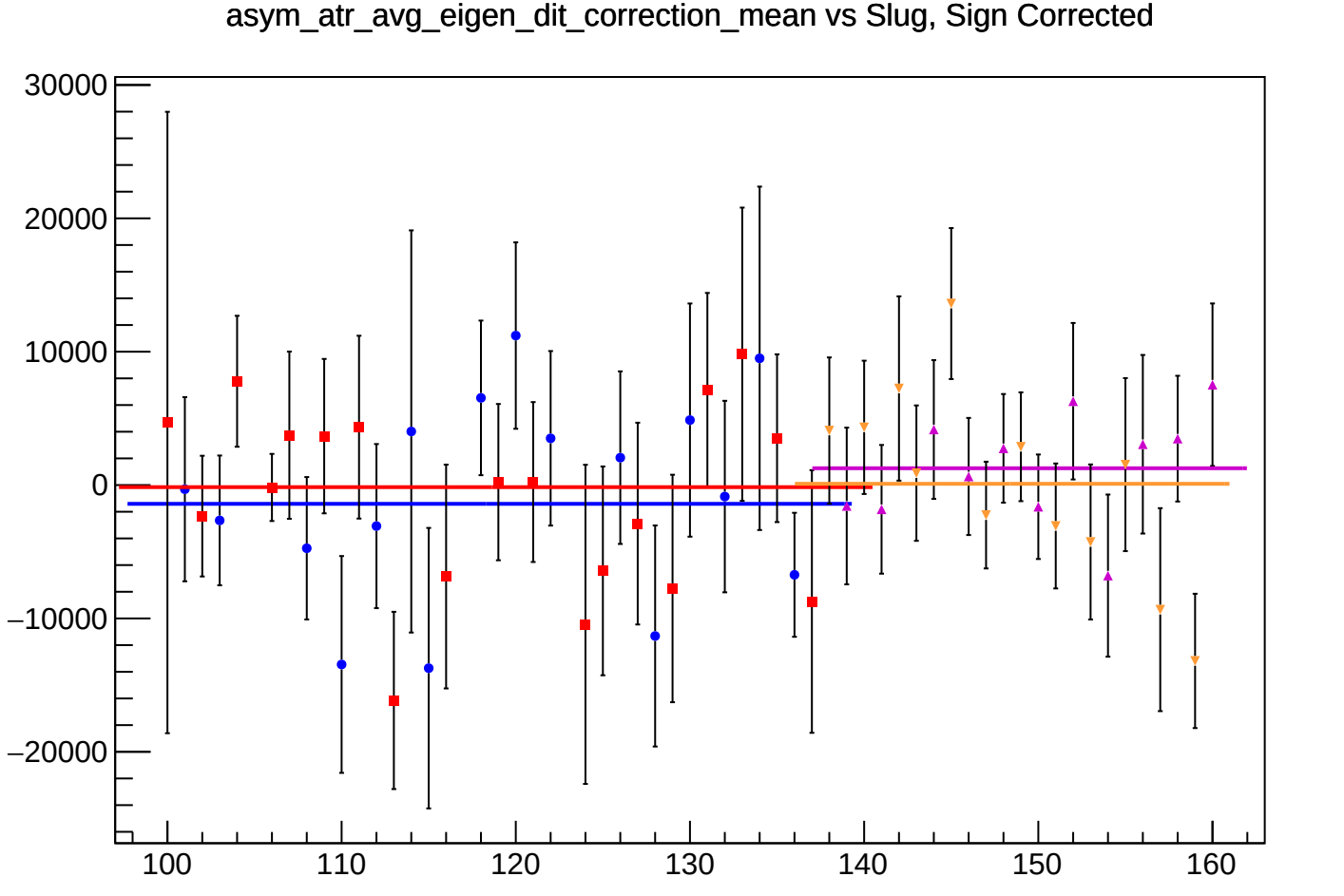
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

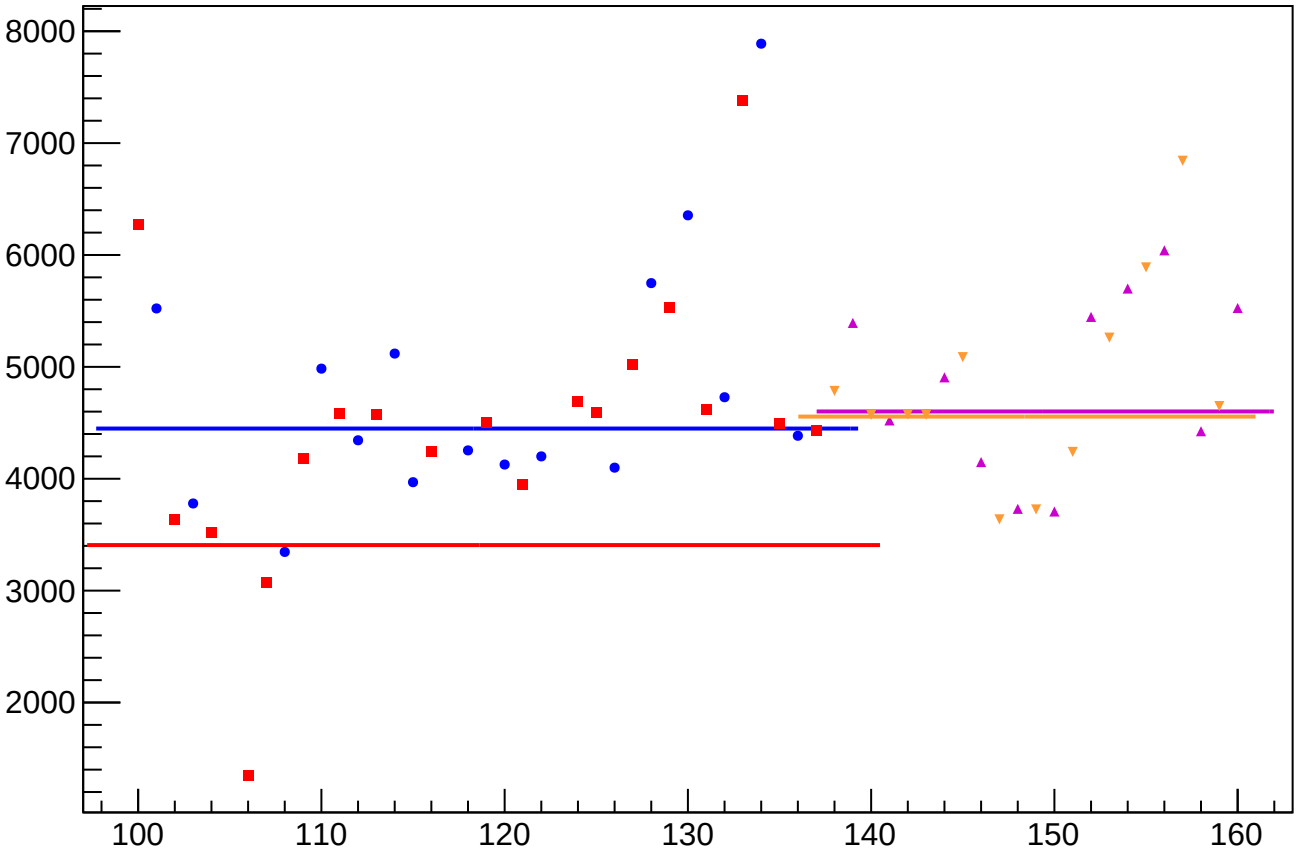
In: 3397.115+/-472.896 χ^2/NDF:27.1/26

Out: 1852.125+/-471.465 χ^2/NDF:31.5/30

All: 2622.280+/-333.881 χ^2/NDF: 64.0/57


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1897.991+/-0.435 χ²/NDF:24215.2/11
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1881.493+/-0.430 χ²/NDF:16244.2/10
Left: 1889.664+/-0.306 χ²/NDF: 41186.8/22
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1918.086+/-0.334 χ²/NDF:699584.5/26
Out: 1921.208+/-0.333 χ²/NDF:277351.9/30
All: 1919.652+/-0.236 χ²/NDF: 976980.1/57


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: 1261.212+/-1513.541 χ²/NDF:5.5/10
Left: 673.897+/-1066.636 χ²/NDF: 24.2/22
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: 73.461+/-1127.473 χ²/NDF:21.1/26
Out: -42.572+/-1010.047 χ²/NDF:34.2/30
All: 9.089+/-752.312 χ²/NDF: 55.3/57



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: 4601.397+/-1.070 χ^2/NDF:508575.8/10

Left: 4578.368+/-0.754 χ^2/NDF: 1023129.5/22

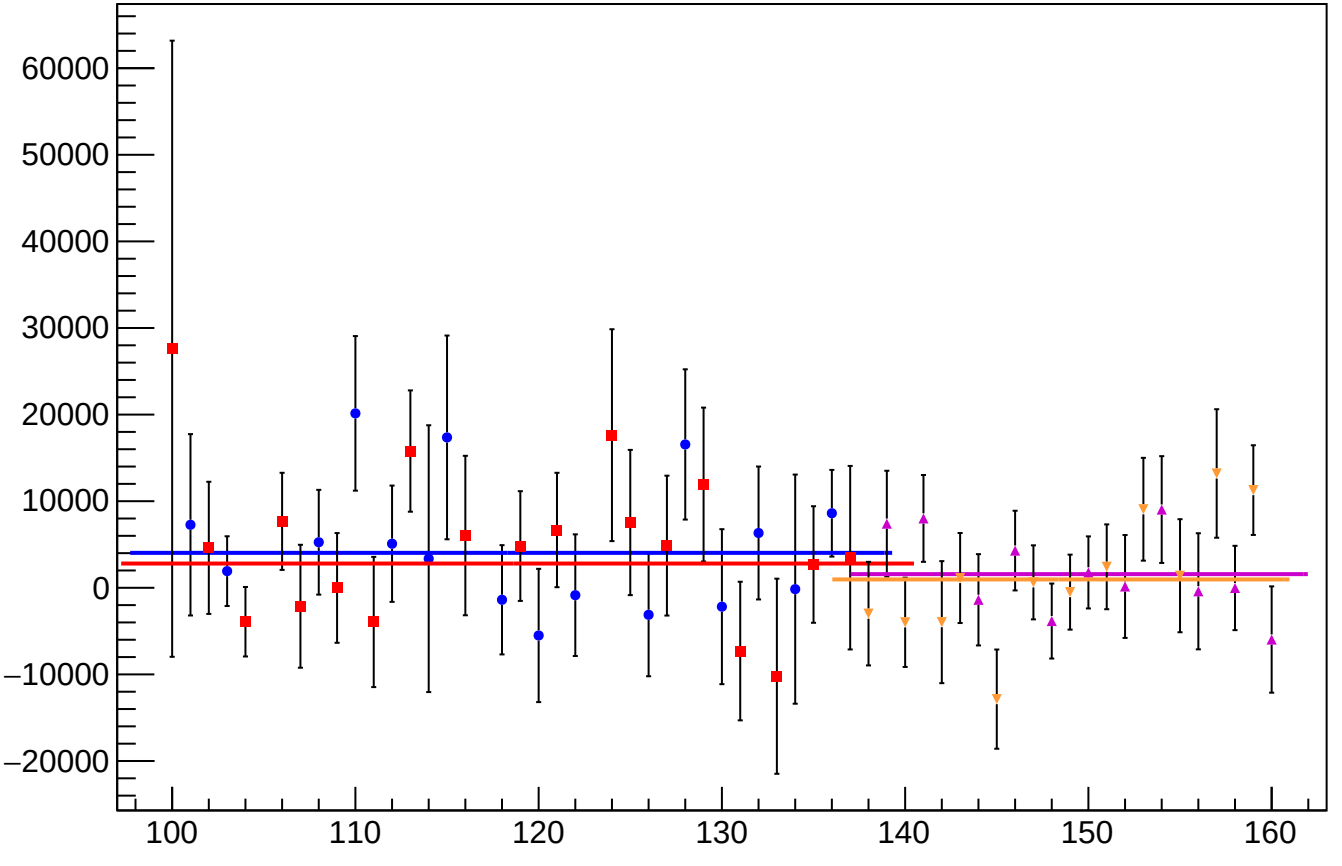
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4533.435+/-0.797 χ^2/NDF:1012246.4/26

Out: 3925.523+/-0.714 χ^2/NDF:3480081.1/30

All: 4196.184+/-0.532 χ^2/NDF: 4814888.5/57

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: 1578.174+/-1568.323 χ^2/NDF:8.0/10

Left: 1270.282+/-1106.402 χ^2/NDF: 24.5/22

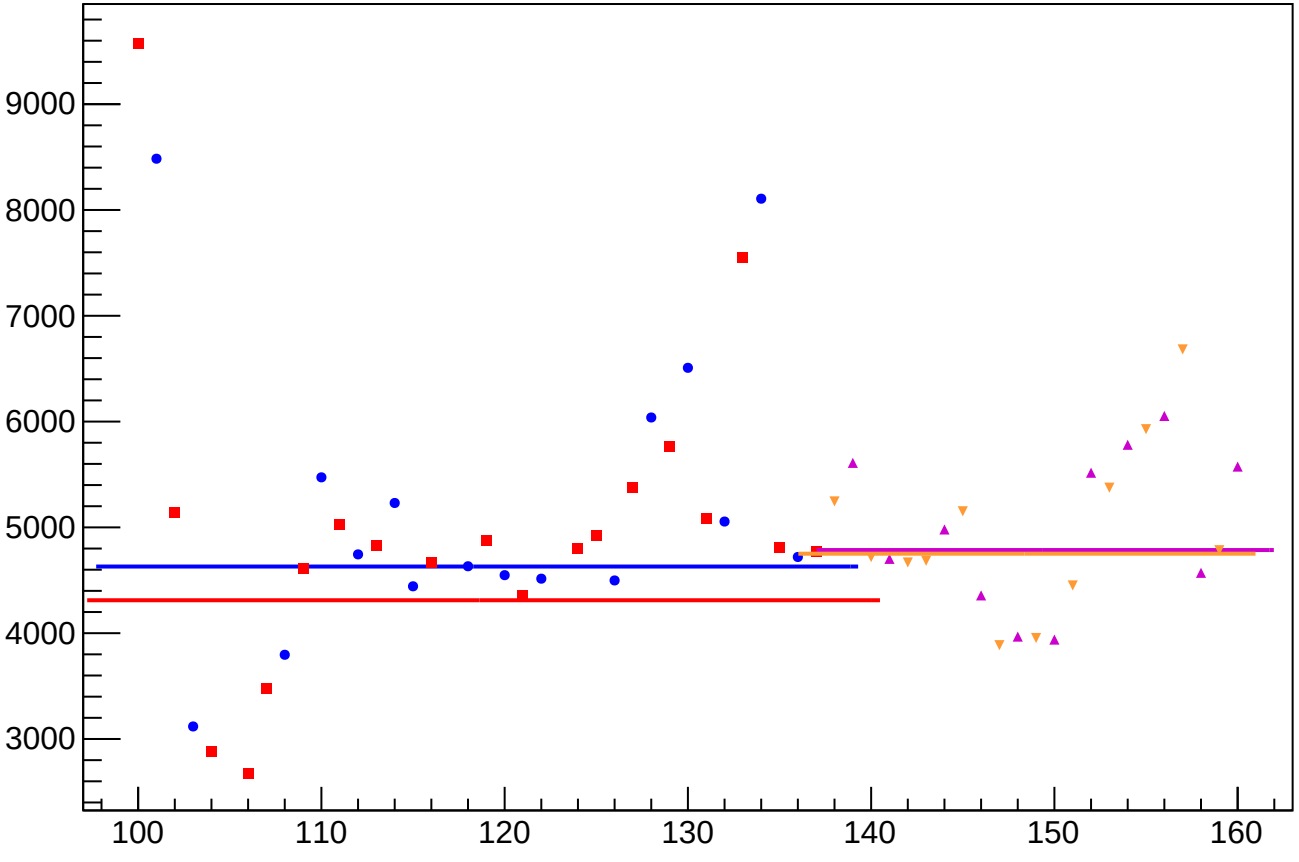
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2650.323+/-1177.316 χ^2/NDF:21.4/26

Out: 1820.062+/-1141.010 χ^2/NDF:32.5/30

All: 2222.193+/-819.351 χ^2/NDF: 54.2/57

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4751.222+/-1.104 χ^2/NDF:403852.5/11

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4785.861+/-1.109 χ^2/NDF:401948.8/10

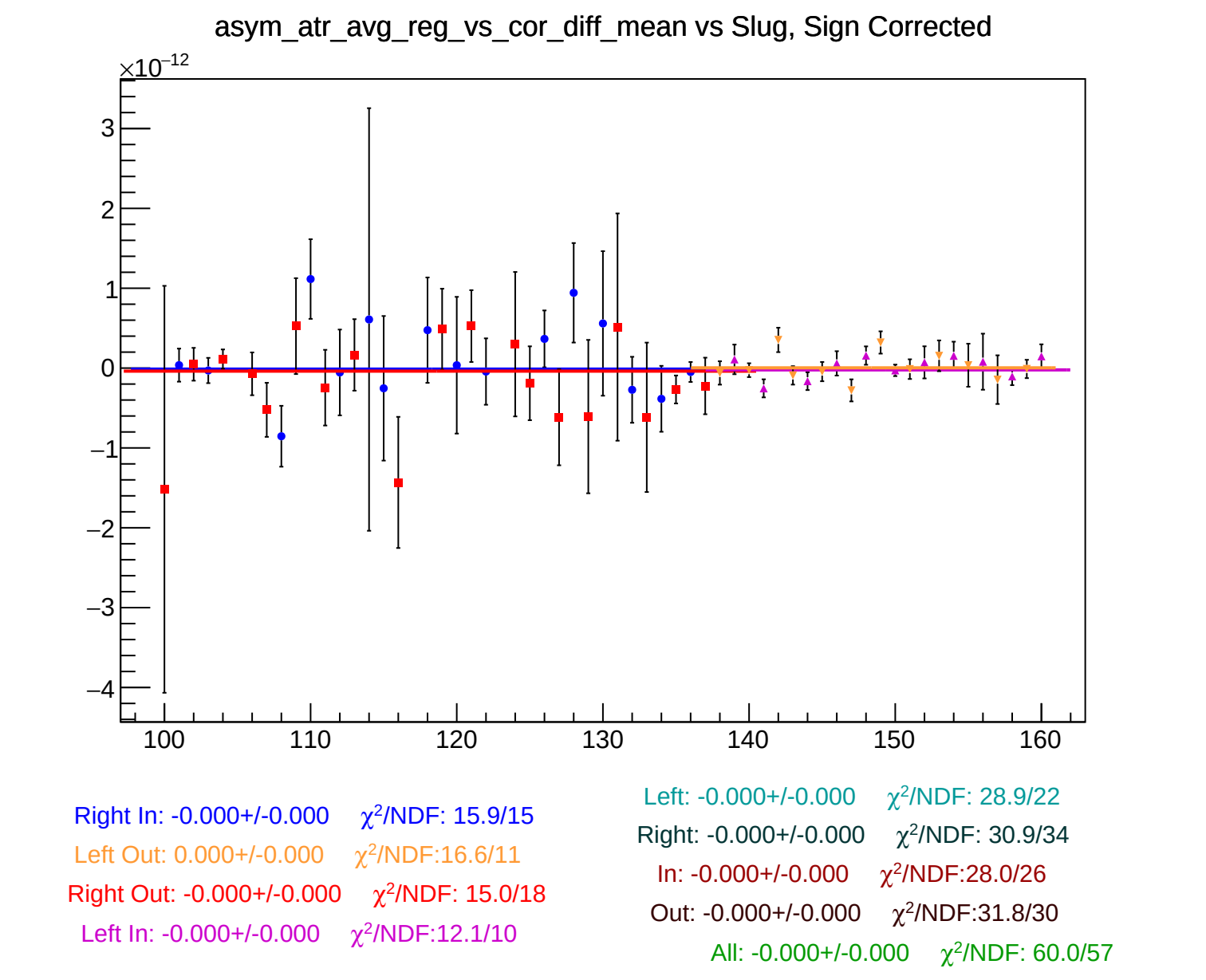
Left: 4768.461+/-0.782 χ^2/NDF: 806291.4/22

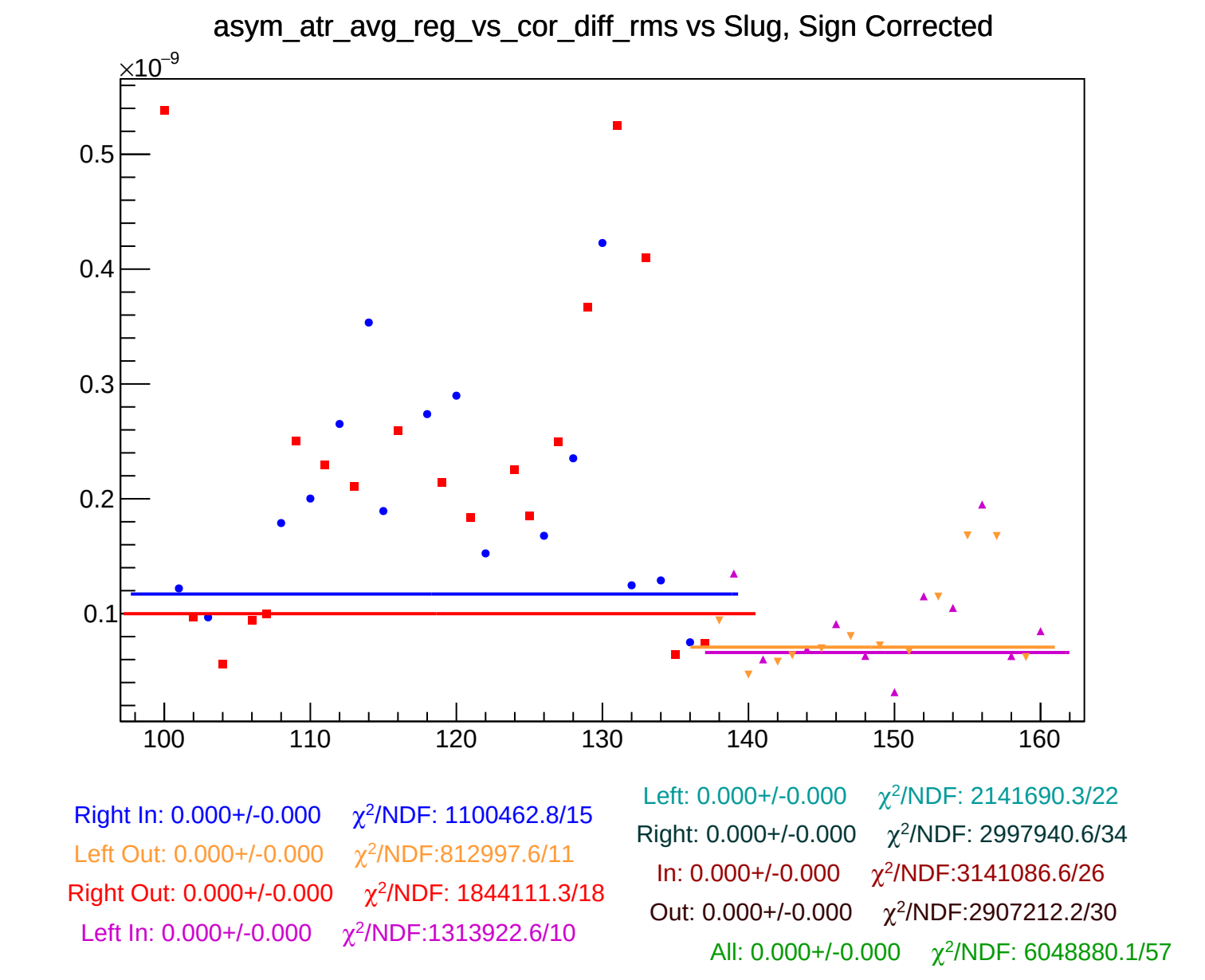
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

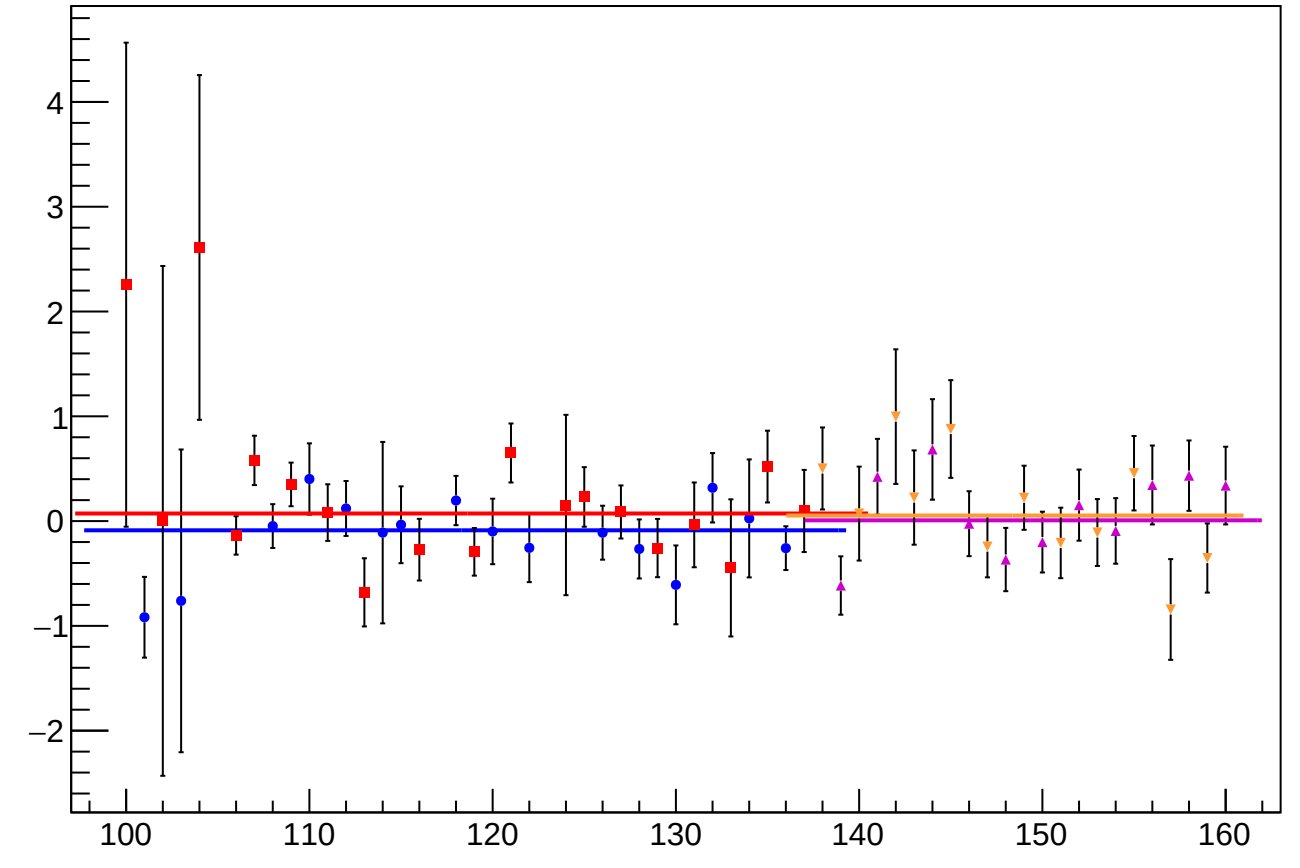
In: 4717.818+/-0.832 χ^2/NDF:1310820.4/26

Out: 4544.378+/-0.804 χ^2/NDF:1383282.7/30

All: 4628.030+/-0.578 χ^2/NDF: 2716573.3/57


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.6/11
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:12.1/10
Left: -0.000+/-0.000 χ²/NDF: 28.9/22
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:28.0/26
Out: -0.000+/-0.000 χ²/NDF:31.8/30
All: -0.000+/-0.000 χ²/NDF: 60.0/57


asym_atr_avg_reg_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: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:812997.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1313922.6/10
Left: 0.000+/-0.000 χ²/NDF: 2141690.3/22
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3141086.6/26
Out: 0.000+/-0.000 χ²/NDF:2907212.2/30
All: 0.000+/-0.000 χ²/NDF: 6048880.1/57



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: 0.007+/-0.100 χ^2/NDF:13.9/10

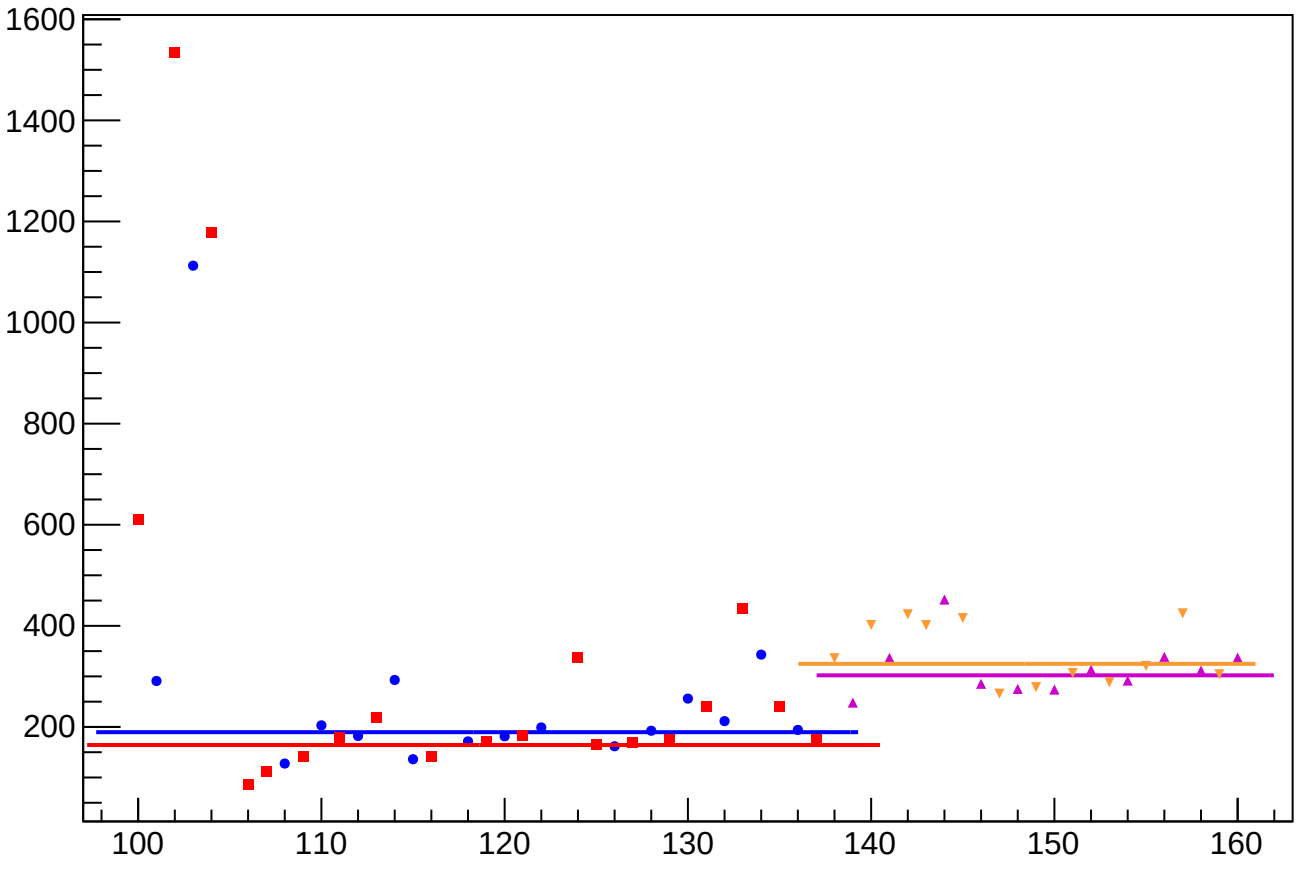
Left: 0.028+/-0.073 χ^2/NDF: 29.2/22

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.009+/-0.042 χ^2/NDF: 74.2/57



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: 302.125+/-0.071 χ^2/NDF:371722.1/10

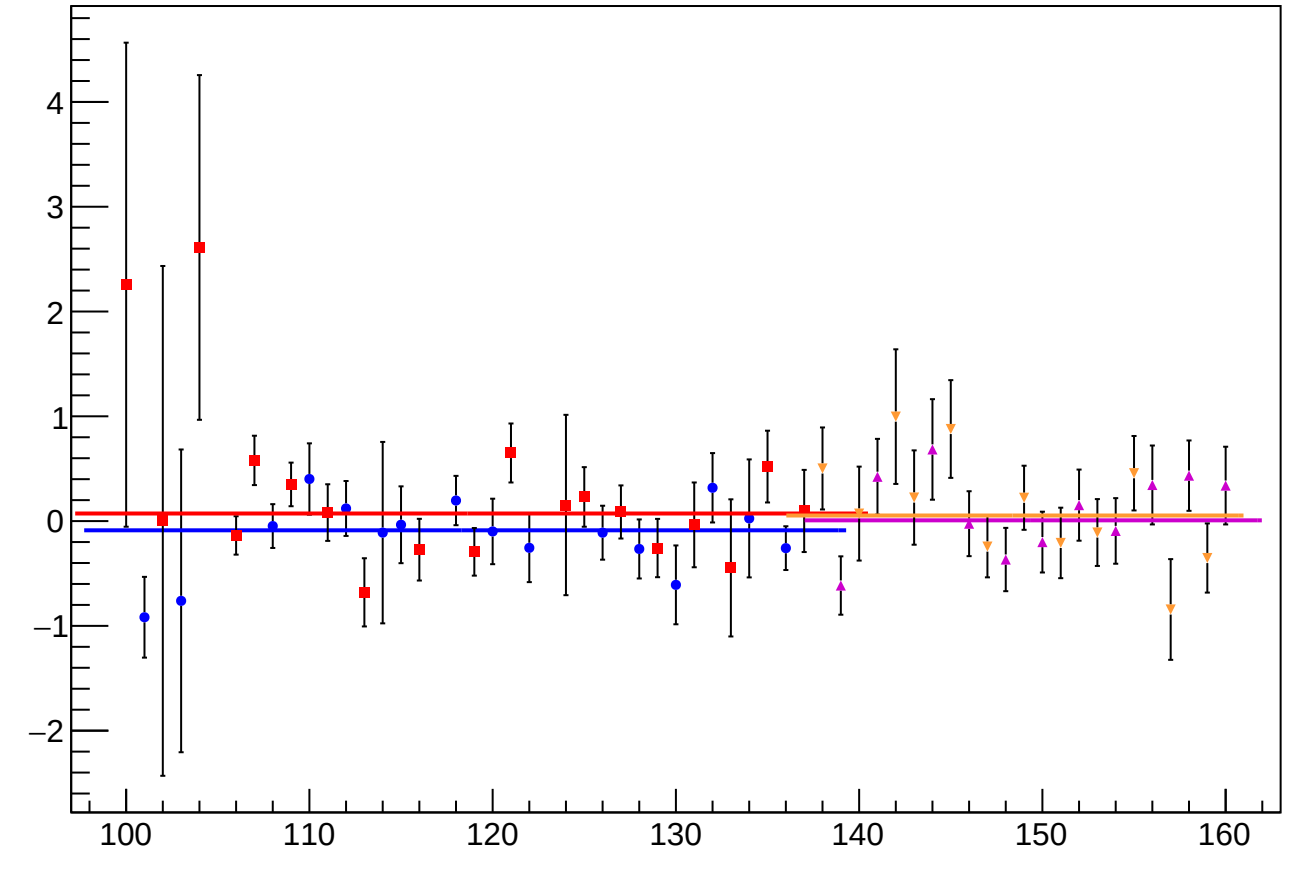
Left: 312.593+/-0.052 χ^2/NDF: 911965.5/22

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 231.403+/-0.043 χ^2/NDF:3432045.2/26

Out: 211.834+/-0.042 χ^2/NDF:6250246.9/30

All: 221.270+/-0.030 χ^2/NDF: 9789341.2/57



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: 0.007+/-0.100 χ^2/NDF:13.9/10

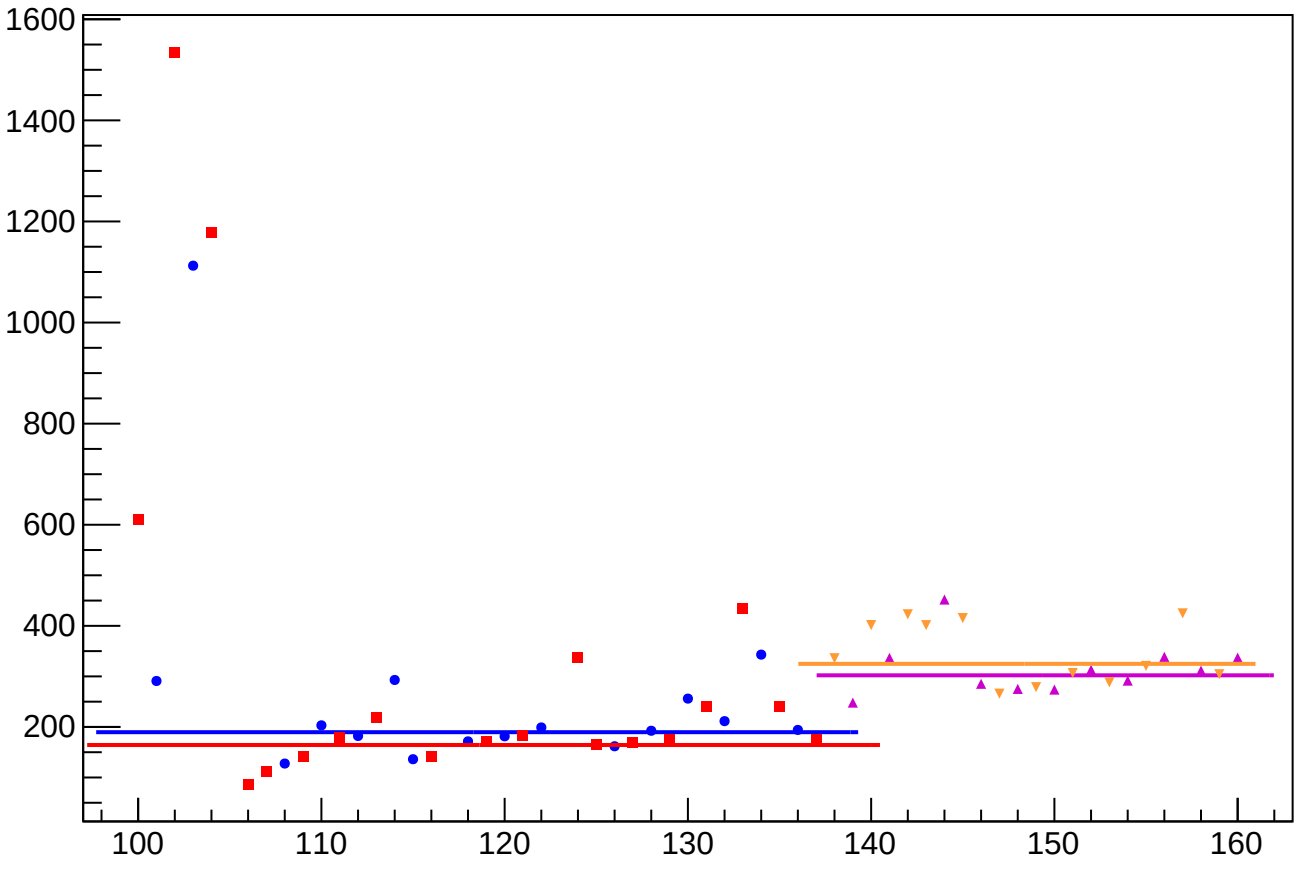
Left: 0.028+/-0.073 χ^2/NDF: 29.2/22

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.009+/-0.042 χ^2/NDF: 74.2/57



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: 302.125+/-0.071 χ^2/NDF:371722.1/10

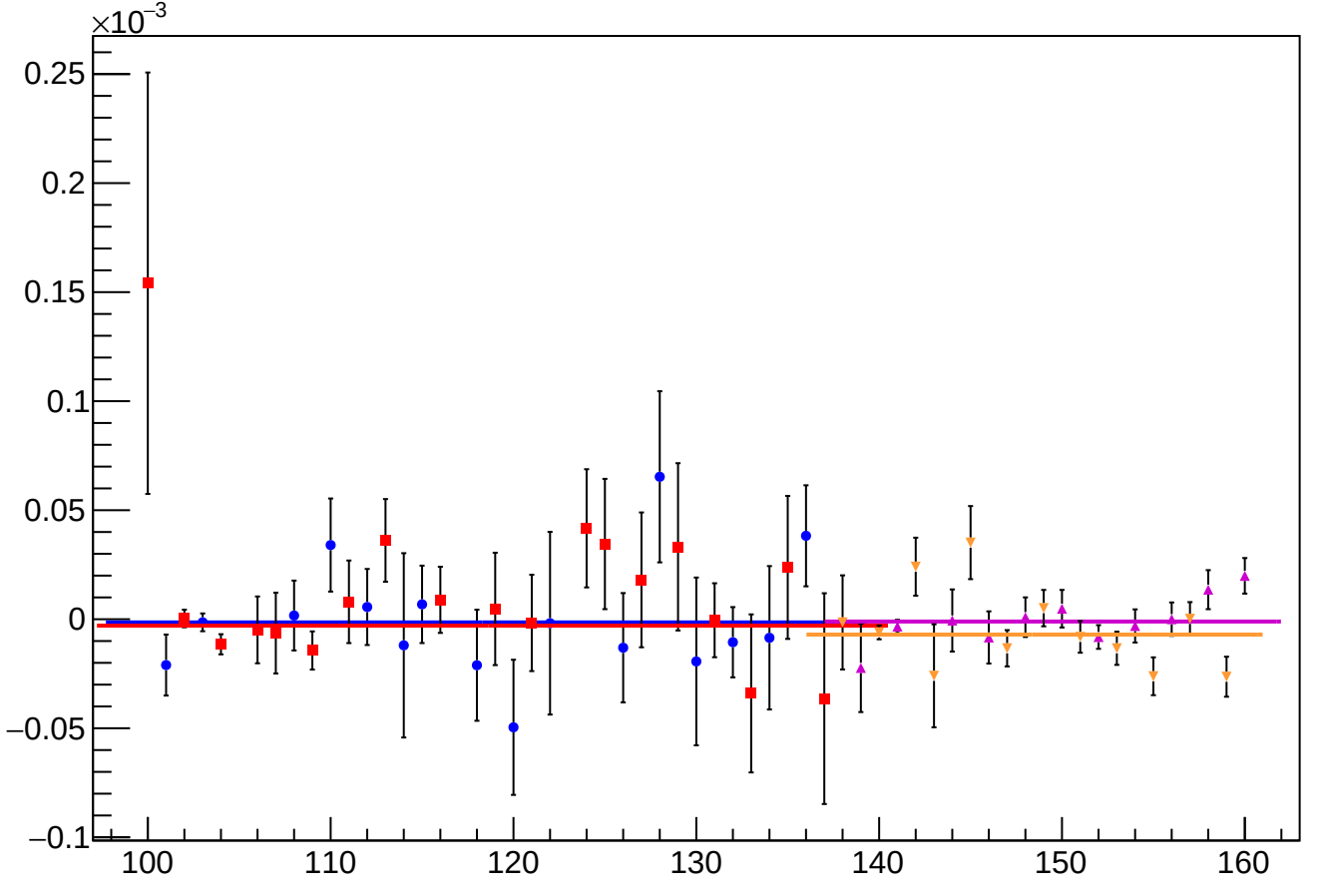
Left: 312.593+/-0.052 χ^2/NDF: 911965.5/22

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 231.403+/-0.043 χ^2/NDF:3432045.2/26

Out: 211.834+/-0.042 χ^2/NDF:6250246.9/30

All: 221.270+/-0.030 χ^2/NDF: 9789341.2/57



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:13.6/10

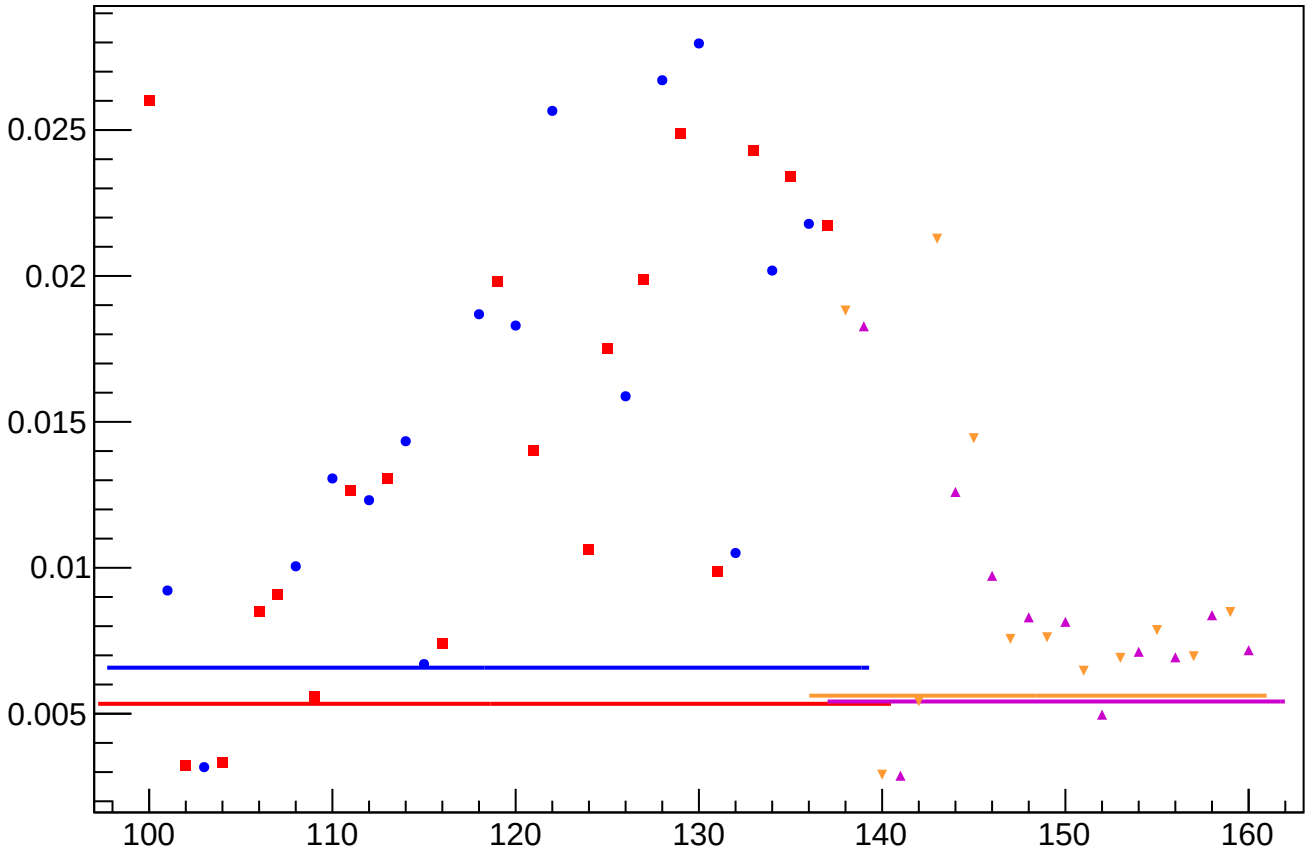
Left: -0.000+/-0.000 χ^2/NDF: 44.0/22

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:28.5/26

Out: -0.000+/-0.000 χ^2/NDF:49.0/30

All: -0.000+/-0.000 χ^2/NDF: 80.6/57



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:3861443.8/10

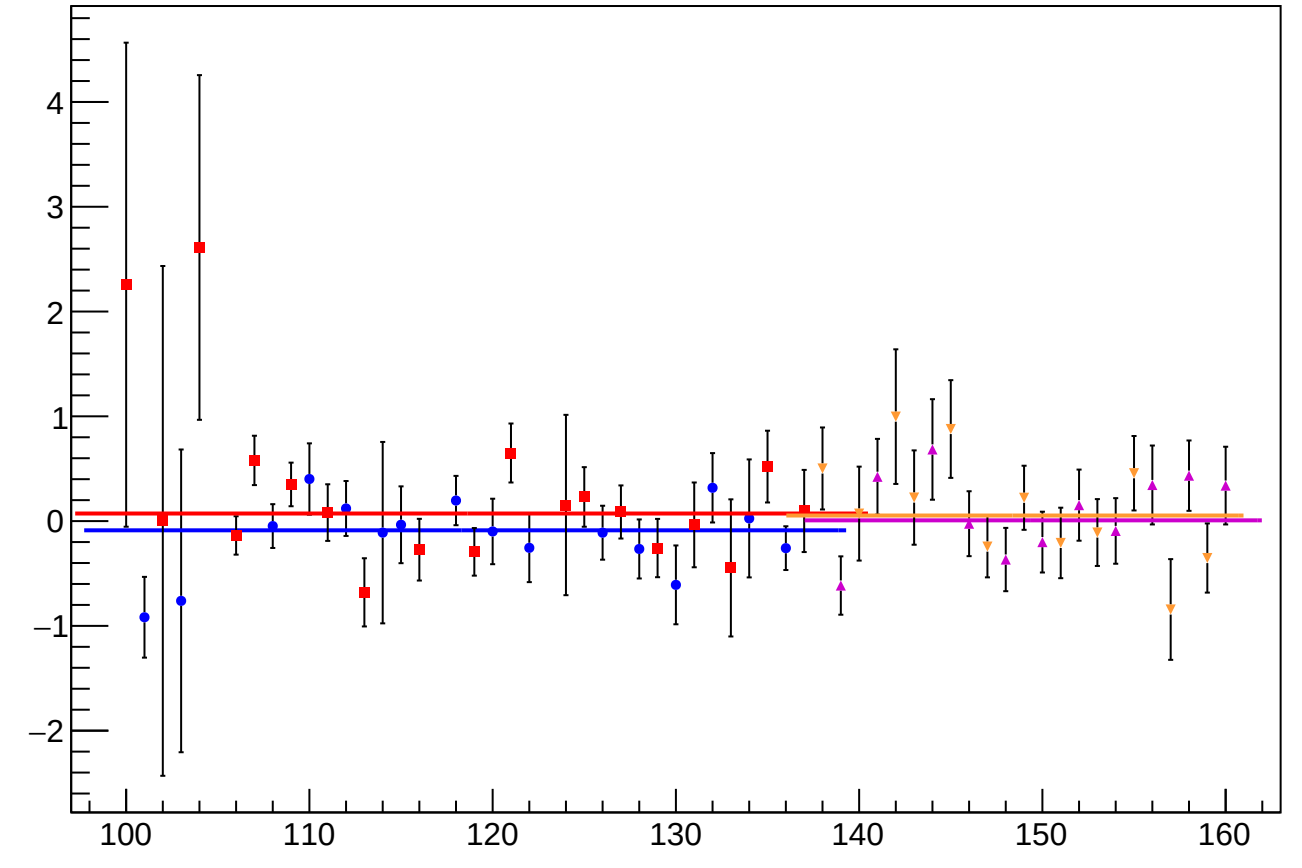
Left: 0.006+/-0.000 χ^2/NDF: 8210438.7/22

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:9967245.7/26

Out: 0.006+/-0.000 χ^2/NDF:10039668.6/30

All: 0.006+/-0.000 χ^2/NDF: 20025516.3/57



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: 0.007+/-0.100 χ^2/NDF:13.9/10

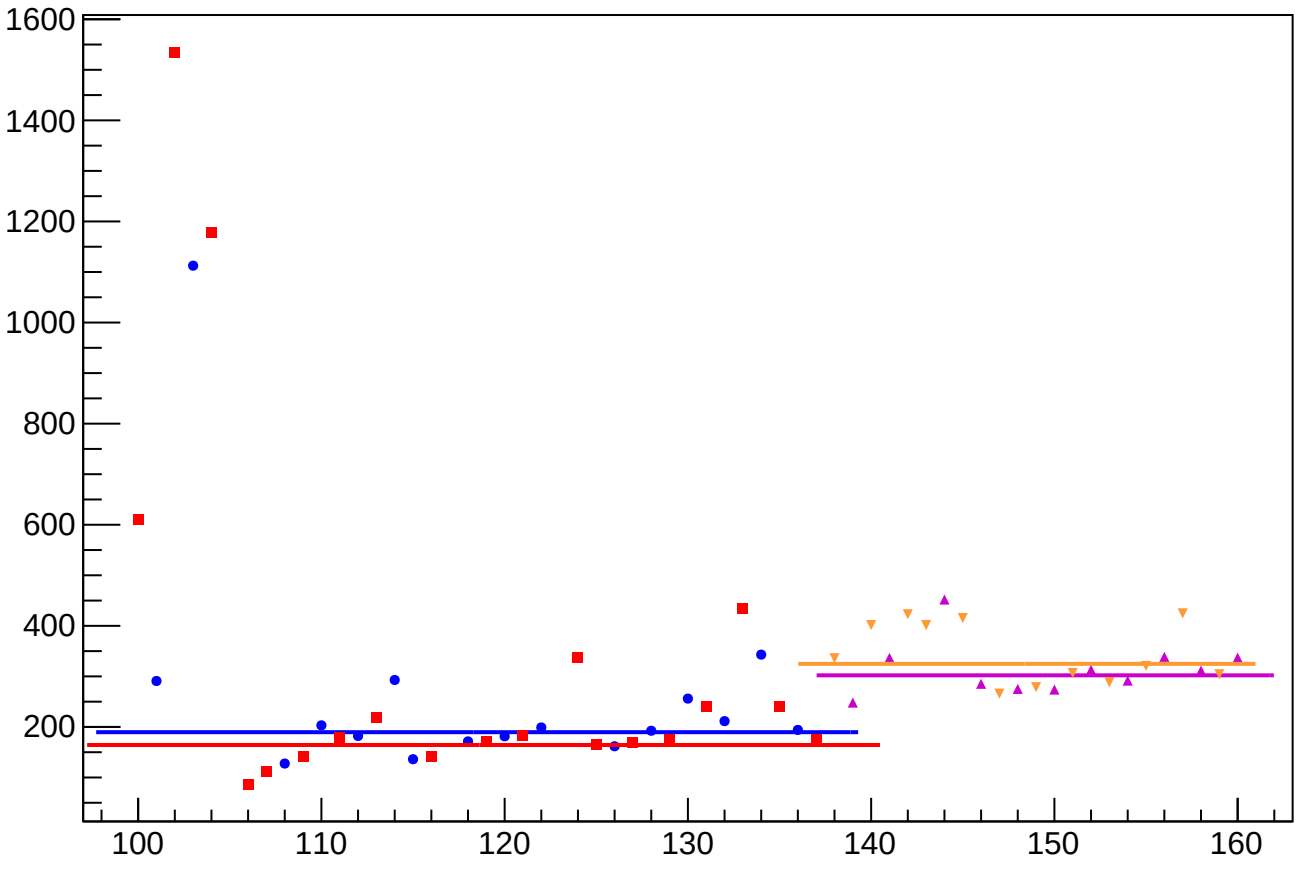
Left: 0.028+/-0.073 χ^2/NDF: 29.2/22

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.009+/-0.042 χ^2/NDF: 74.2/57



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: 302.129+/-0.071 χ^2/NDF:371703.2/10

Left: 312.597+/-0.052 χ^2/NDF: 911931.2/22

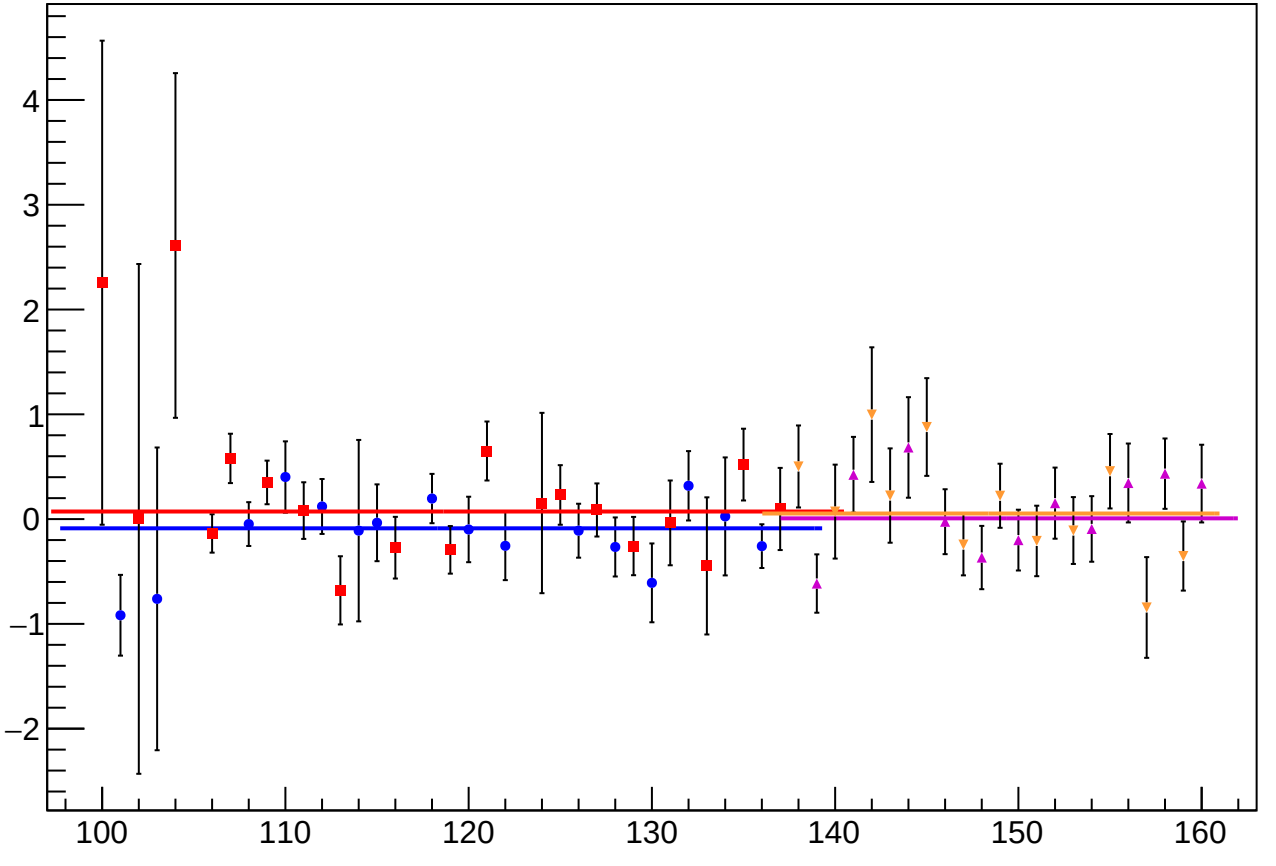
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.403+/-0.043 χ^2/NDF:3432121.0/26

Out: 211.833+/-0.042 χ^2/NDF:6250347.4/30

All: 221.270+/-0.030 χ^2/NDF: 9789524.0/57

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: 0.007+/-0.100 χ^2/NDF:13.9/10

Left: 0.028+/-0.073 χ^2/NDF: 29.2/22

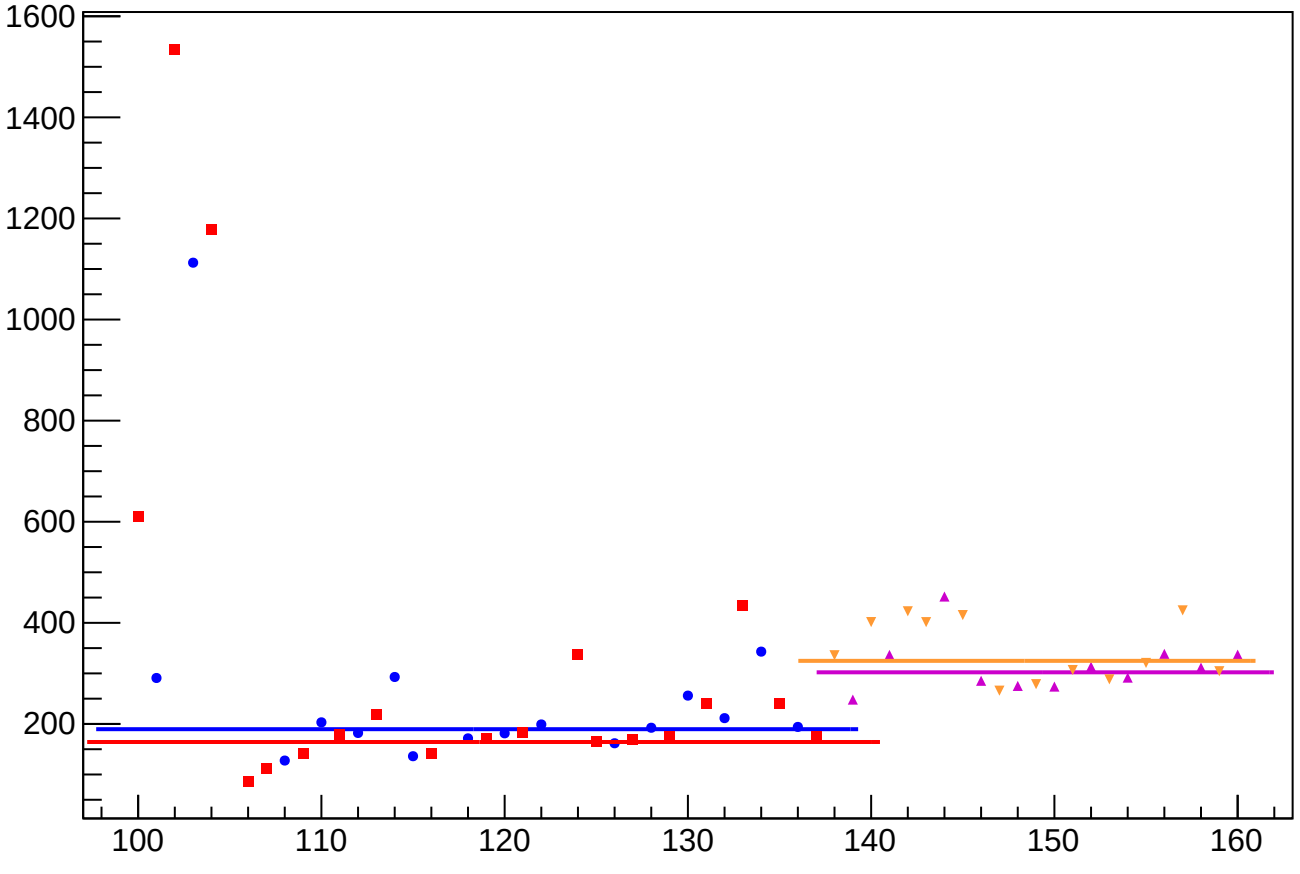
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.067+/-0.059 χ^2/NDF:43.9/30

All: 0.009+/-0.042 χ^2/NDF: 74.2/57

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: 302.129+/-0.071 χ^2/NDF:371703.2/10

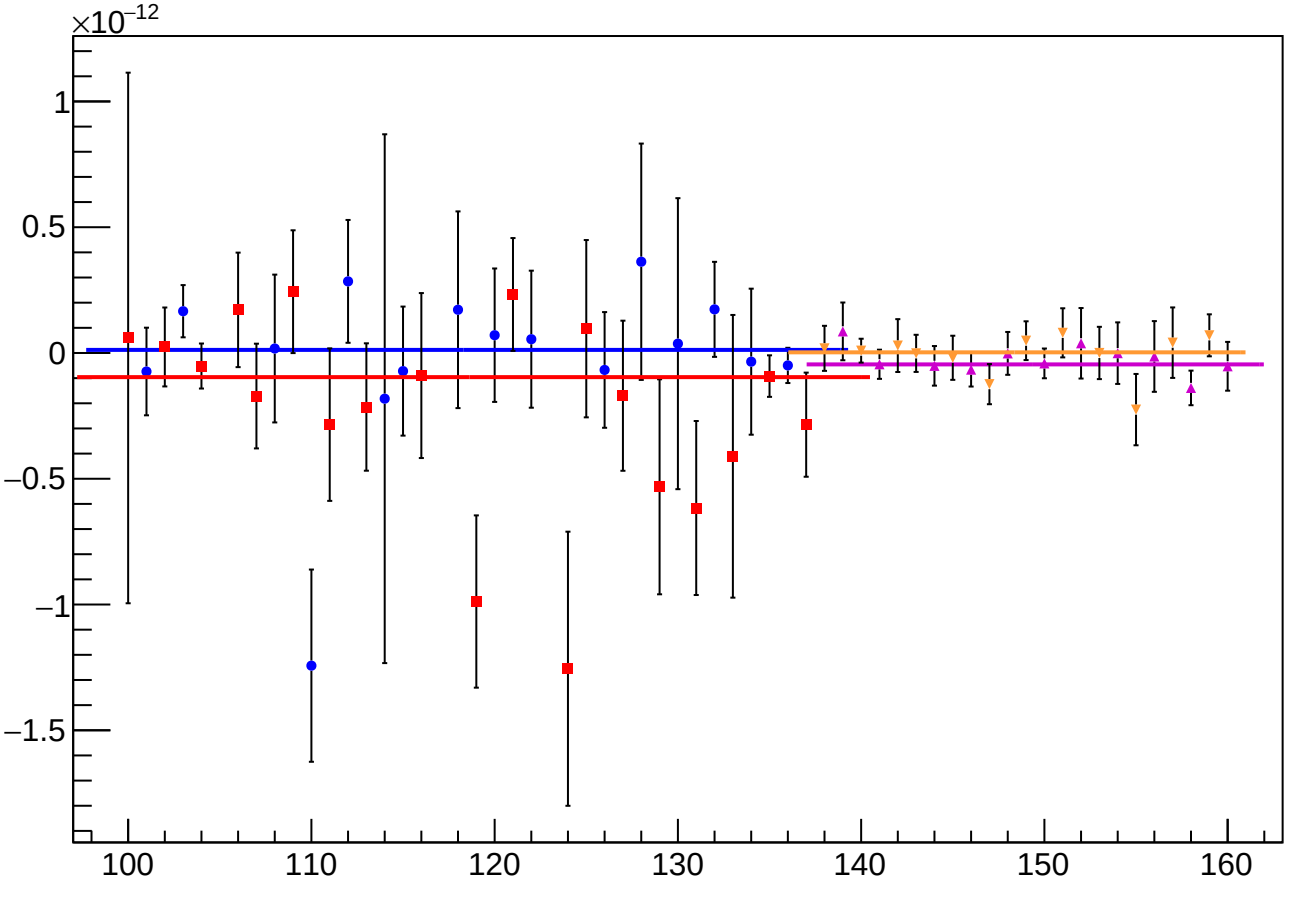
Left: 312.597+/-0.052 χ^2/NDF: 911931.2/22

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.403+/-0.043 χ^2/NDF:3432121.0/26

Out: 211.833+/-0.042 χ^2/NDF:6250347.4/30

All: 221.270+/-0.030 χ^2/NDF: 9789524.0/57



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:4.1/10

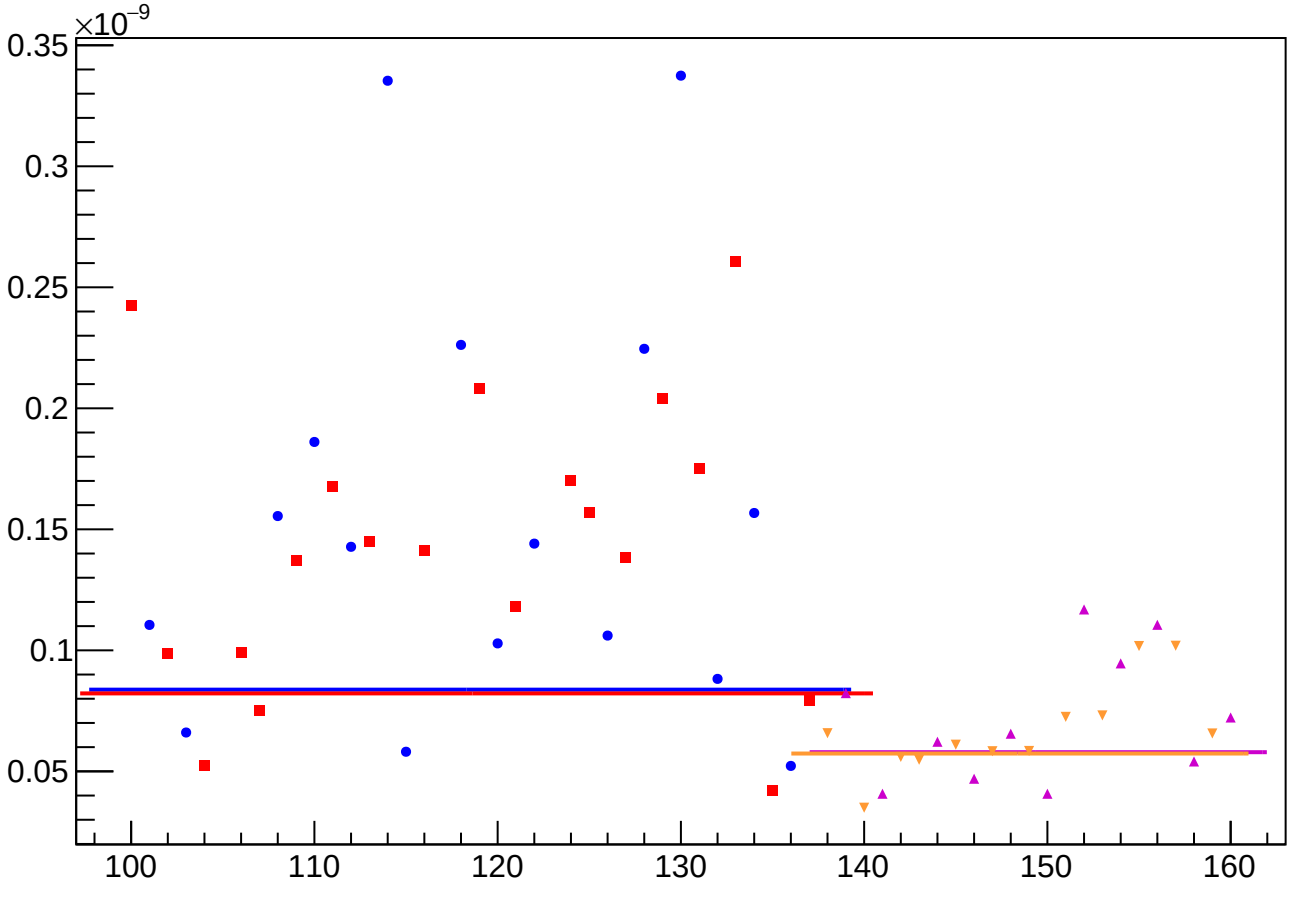
Left: -0.000+/-0.000 χ^2/NDF: 13.0/22

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:22.4/26

Out: -0.000+/-0.000 χ^2/NDF:33.9/30

All: -0.000+/-0.000 χ^2/NDF: 56.5/57



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:1373624.4/10

Left: 0.000+/-0.000 χ^2/NDF: 2357337.2/22

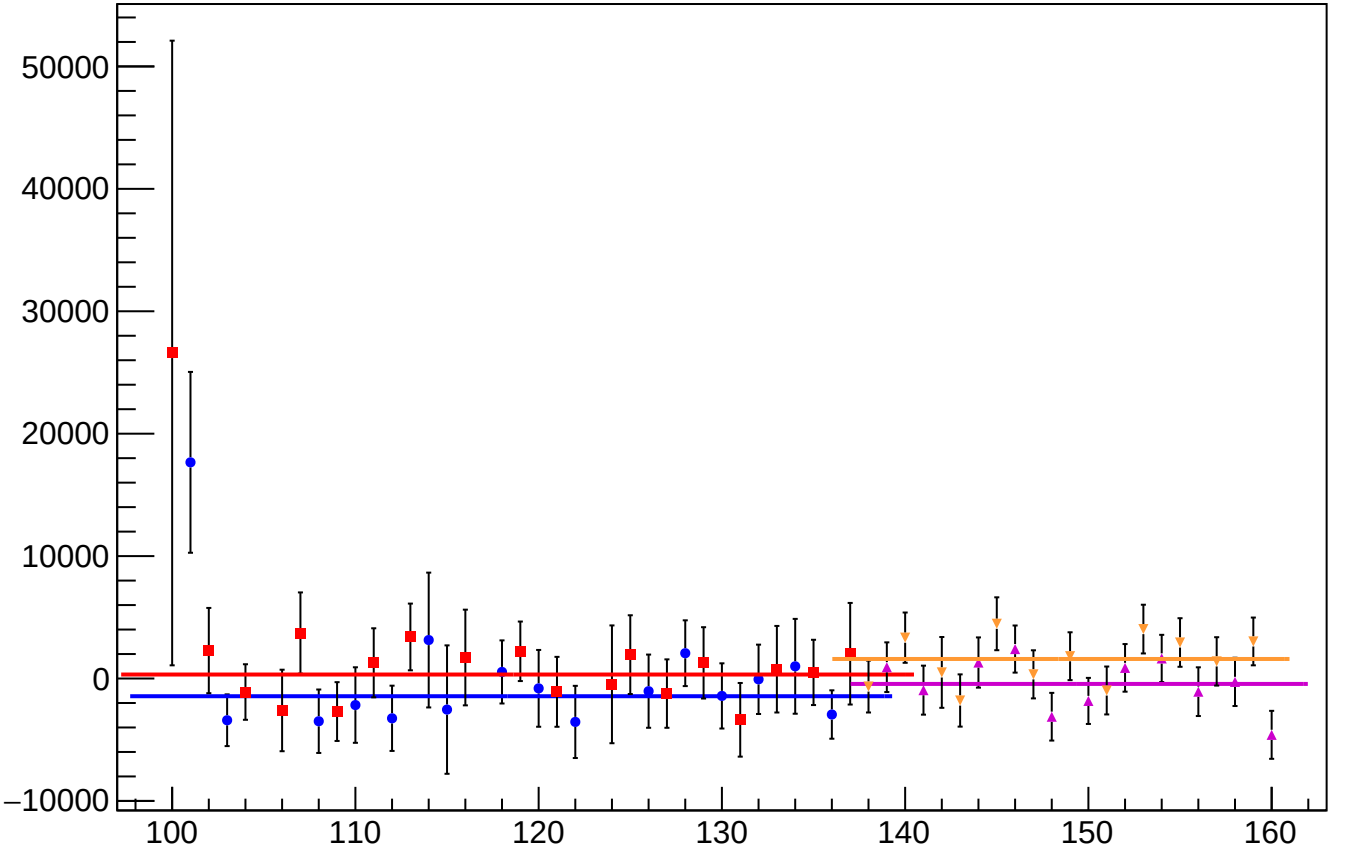
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3981457.4/26

Out: 0.000+/-0.000 χ^2/NDF:3734246.6/30

All: 0.000+/-0.000 χ^2/NDF: 7717148.4/57

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: -442.258+/-592.455 χ^2/NDF:12.1/10

Left: 571.714+/-419.987 χ^2/NDF: 28.9/22

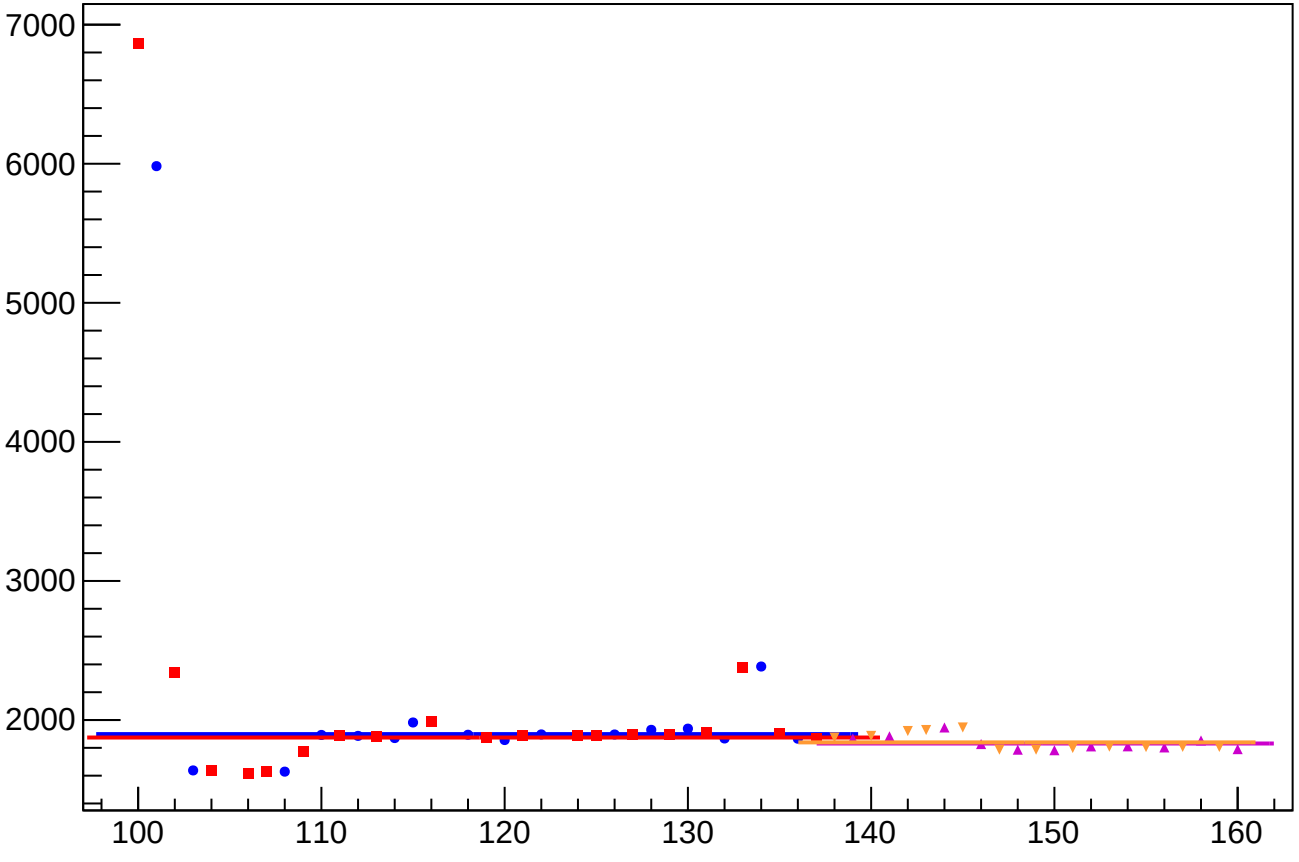
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -845.615+/-458.288 χ^2/NDF:26.8/26

Out: 1065.116+/-454.274 χ^2/NDF:22.8/30

All: 118.153+/-322.630 χ^2/NDF: 58.3/57

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: 1831.203+/-0.419 χ^2/NDF:12599.4/10

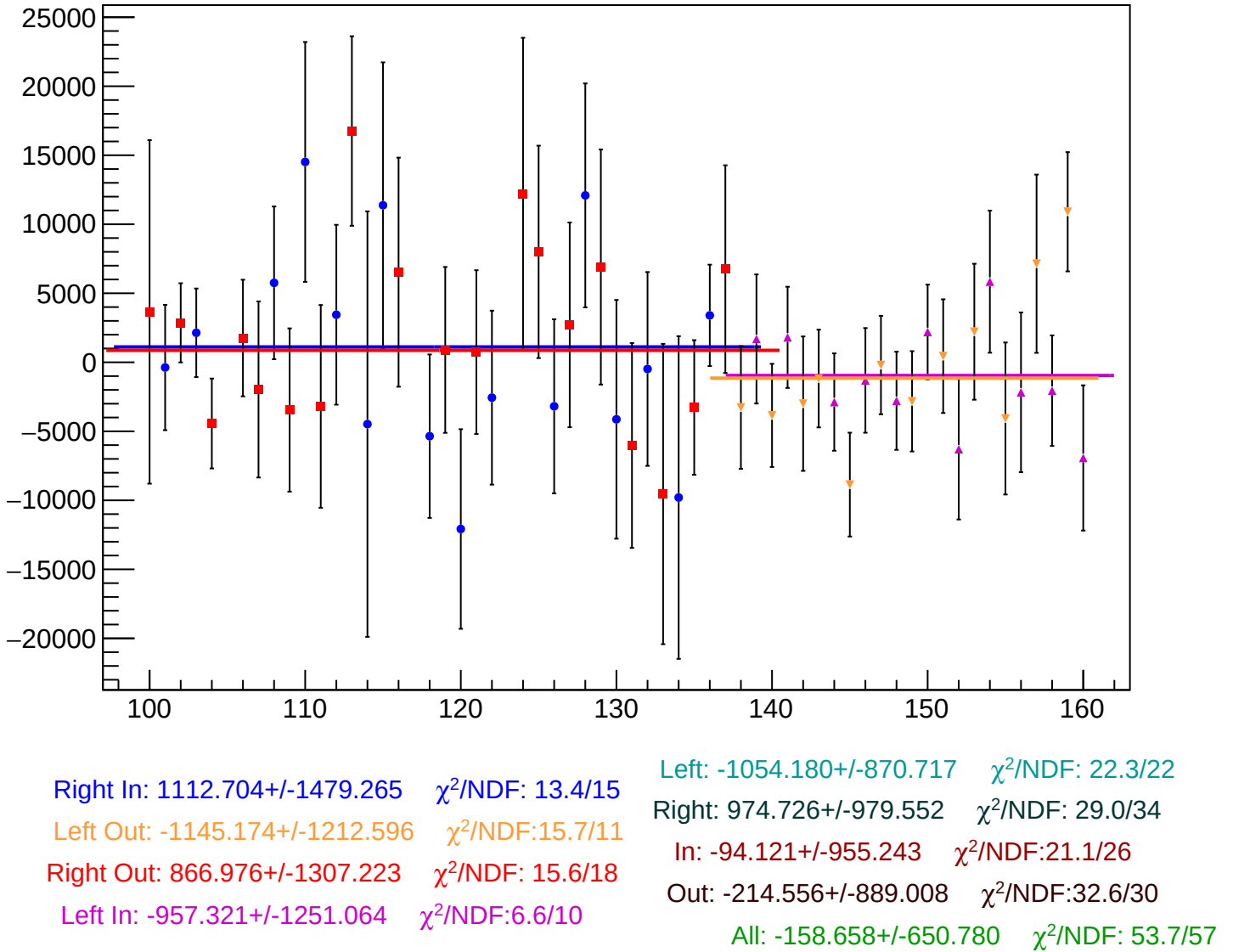
Left: 1835.207+/-0.297 χ^2/NDF: 30217.4/22

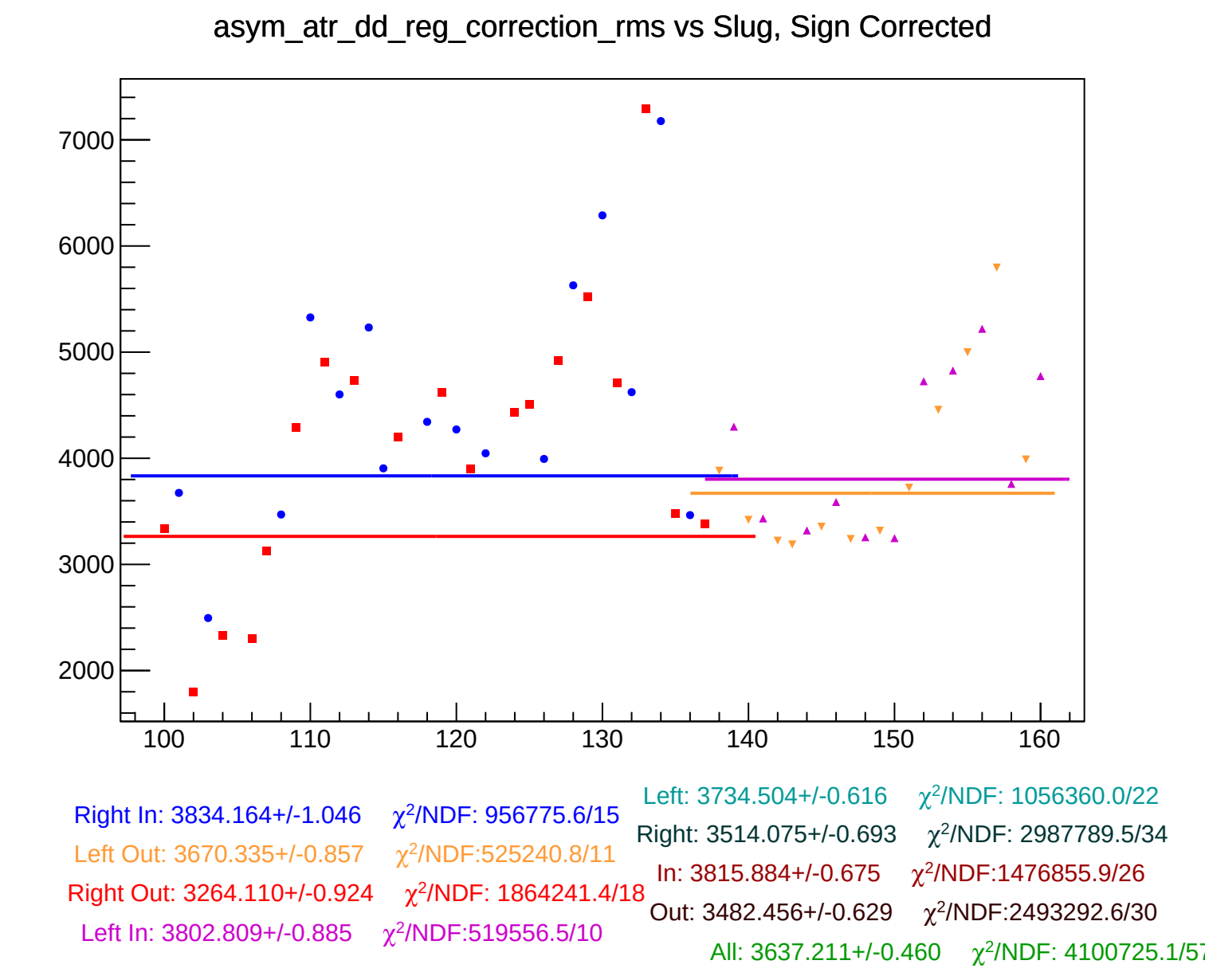
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

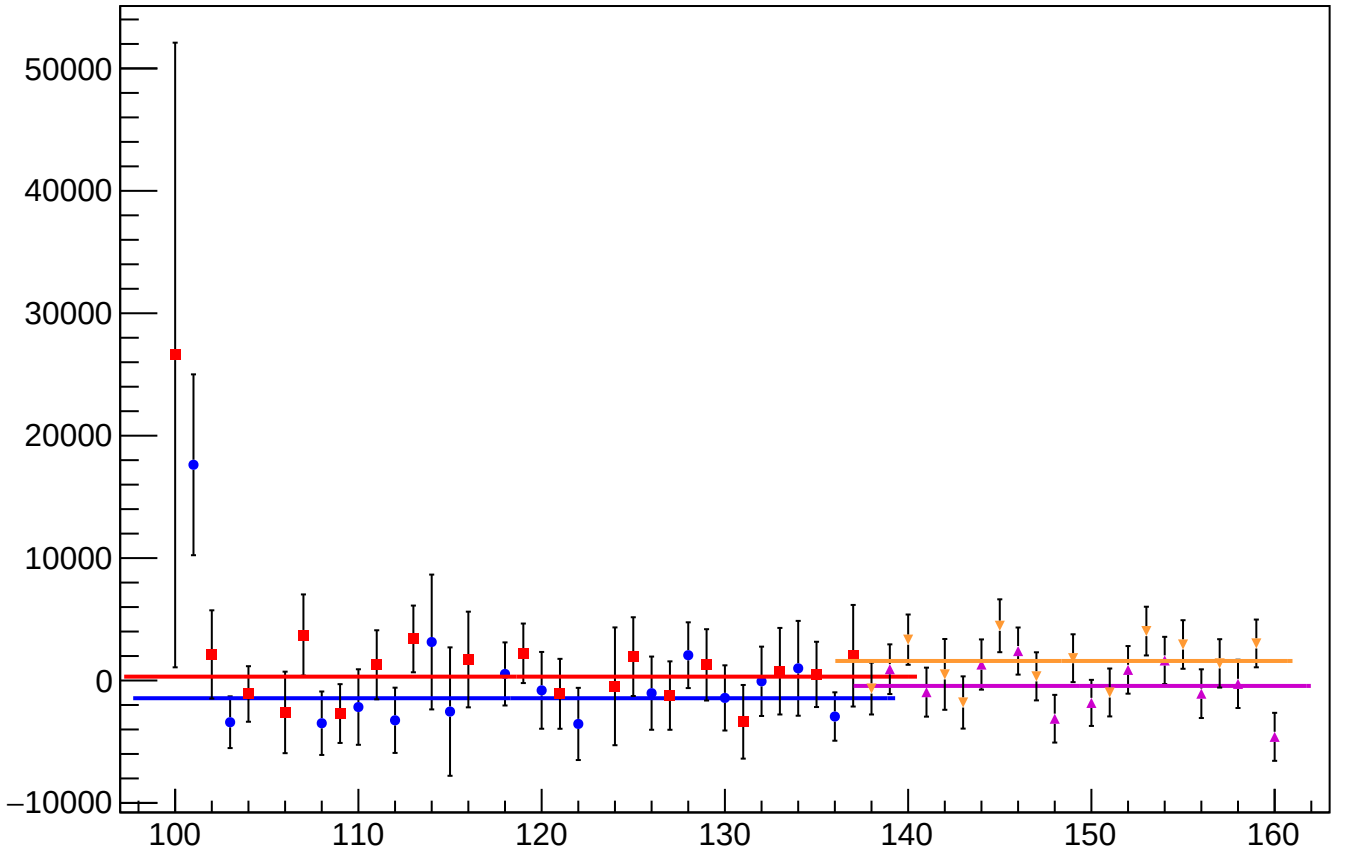
In: 1858.363+/-0.324 χ^2/NDF:720578.7/26

Out: 1853.938+/-0.321 χ^2/NDF:227991.8/30

All: 1856.128+/-0.228 χ^2/NDF: 948664.6/57


asym_atr_dd_reg_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: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1145.174+/-1212.596 χ²/NDF:15.7/11
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -957.321+/-1251.064 χ²/NDF:6.6/10
Left: -1054.180+/-870.717 χ²/NDF: 22.3/22
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -94.121+/-955.243 χ²/NDF:21.1/26
Out: -214.556+/-889.008 χ²/NDF:32.6/30
All: -158.658+/-650.780 χ²/NDF: 53.7/57


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 3670.335+/-0.857 χ²/NDF:525240.8/11
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 3802.809+/-0.885 χ²/NDF:519556.5/10
Left: 3734.504+/-0.616 χ²/NDF: 1056360.0/22
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 3815.884+/-0.675 χ²/NDF:1476855.9/26
Out: 3482.456+/-0.629 χ²/NDF:2493292.6/30
All: 3637.211+/-0.460 χ²/NDF: 4100725.1/57



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: -442.285+/-592.455 χ^2/NDF:12.1/10

Left: 571.774+/-419.987 χ^2/NDF: 28.9/22

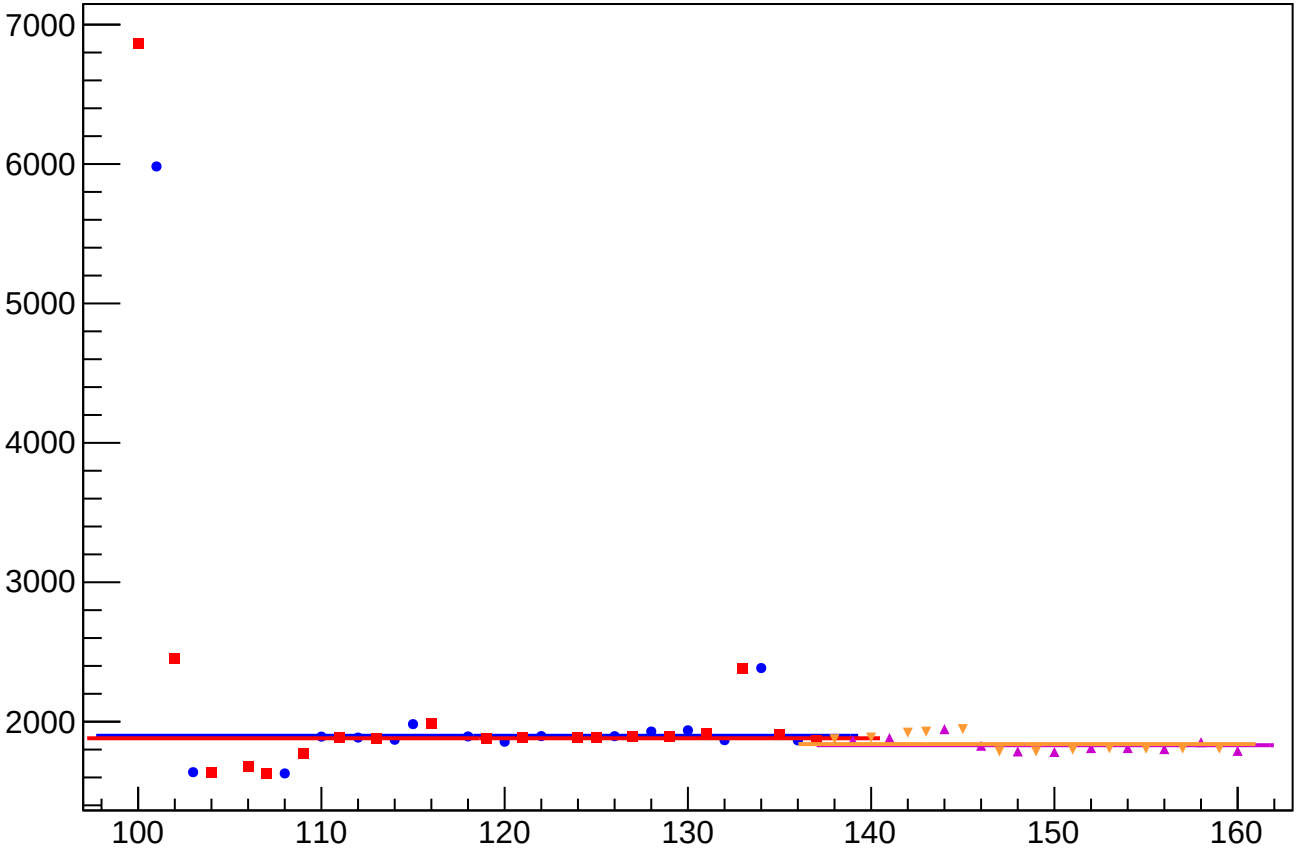
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -845.786+/-458.288 χ^2/NDF:26.7/26

Out: 1061.675+/-454.530 χ^2/NDF:22.8/30

All: 115.796+/-322.722 χ^2/NDF: 58.2/57

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: 1831.203+/-0.419 χ^2/NDF:12599.4/10

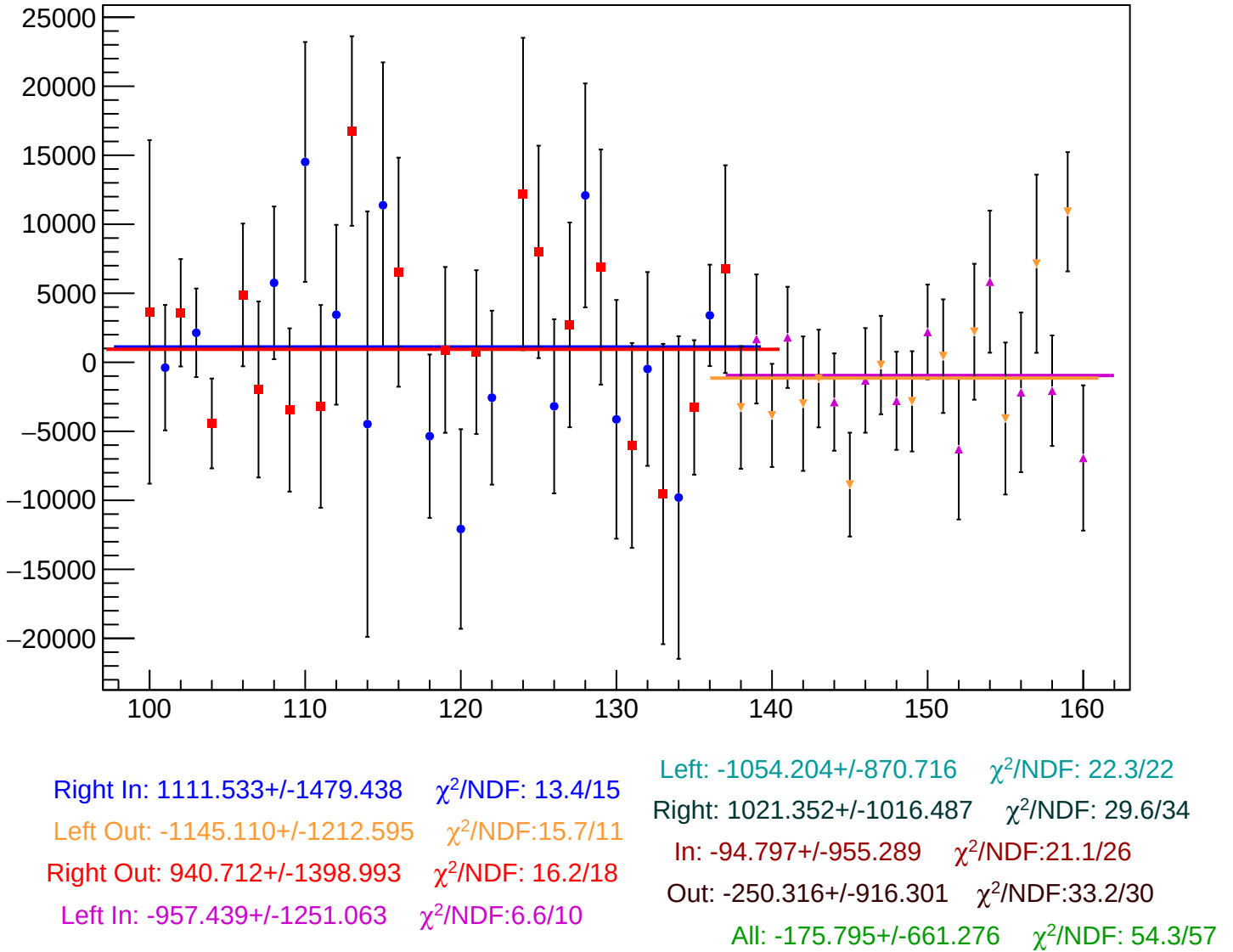
Left: 1835.207+/-0.297 χ^2/NDF: 30217.4/22

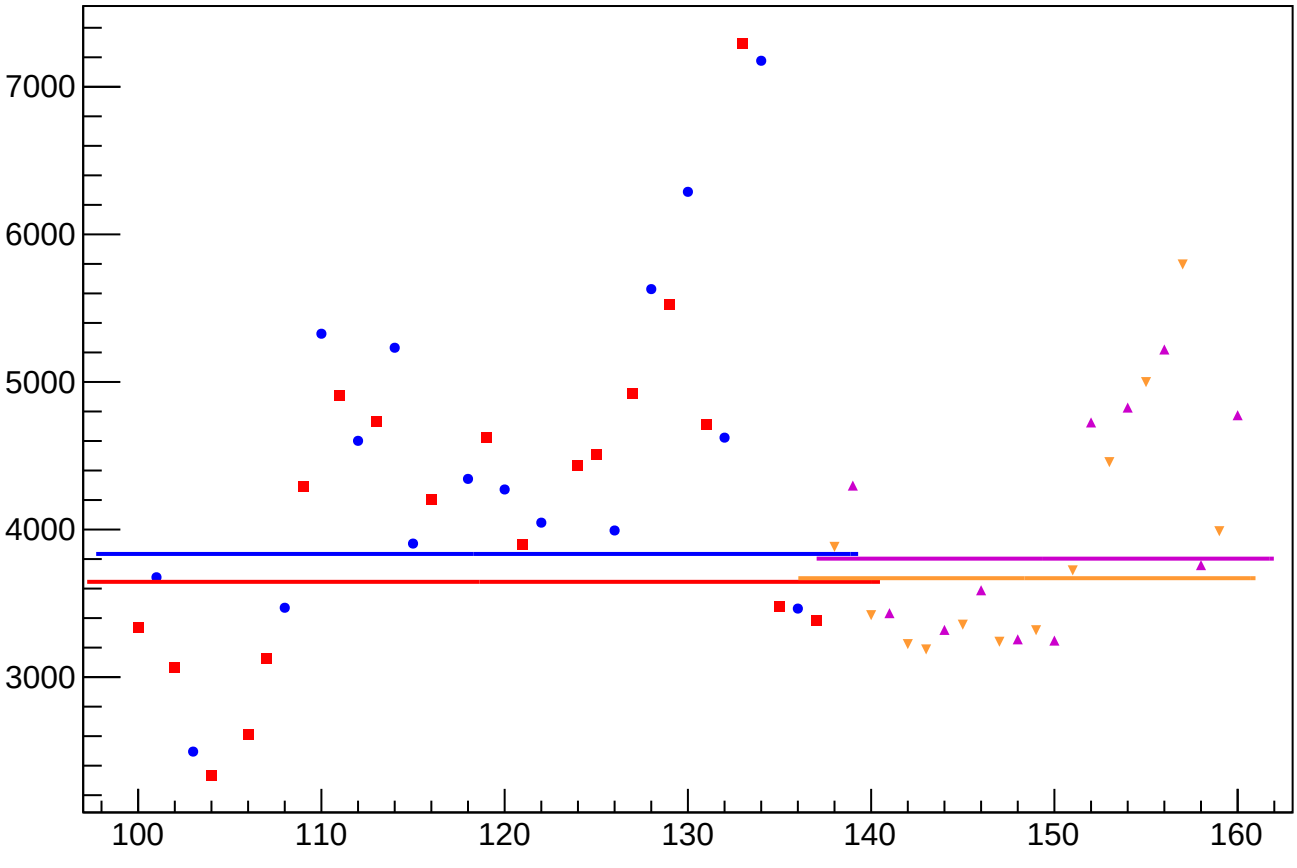
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1858.363+/-0.324 χ^2/NDF:720578.8/26

Out: 1856.708+/-0.321 χ^2/NDF:238110.5/30

All: 1857.528+/-0.228 χ^2/NDF: 958702.5/57


asym_atr_dd_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: -957.439+/-1251.063 χ²/NDF:6.6/10
Left: -1054.204+/-870.716 χ²/NDF: 22.3/22
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -94.797+/-955.289 χ²/NDF:21.1/26
Out: -250.316+/-916.301 χ²/NDF:33.2/30
All: -175.795+/-661.276 χ²/NDF: 54.3/57



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: 3802.803+/-0.885 χ^2/NDF:519565.9/10

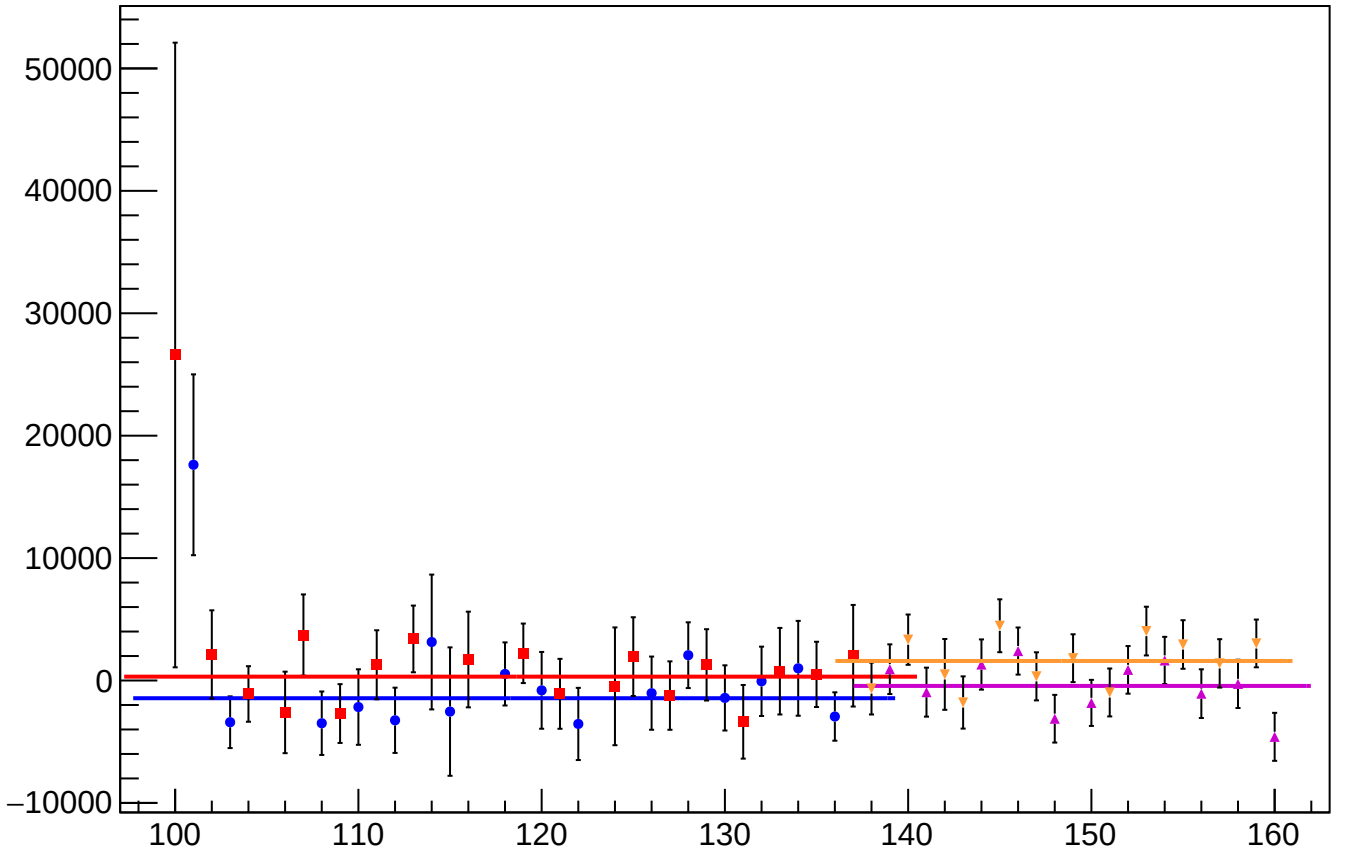
Left: 3734.500+/-0.616 χ^2/NDF: 1056368.6/22

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3816.098+/-0.675 χ^2/NDF:1476419.8/26

Out: 3659.761+/-0.648 χ^2/NDF:1650576.4/30

All: 3734.674+/-0.468 χ^2/NDF: 3154894.4/57



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: -442.285+/-592.455 χ^2/NDF:12.1/10

Left: 571.774+/-419.987 χ^2/NDF: 28.9/22

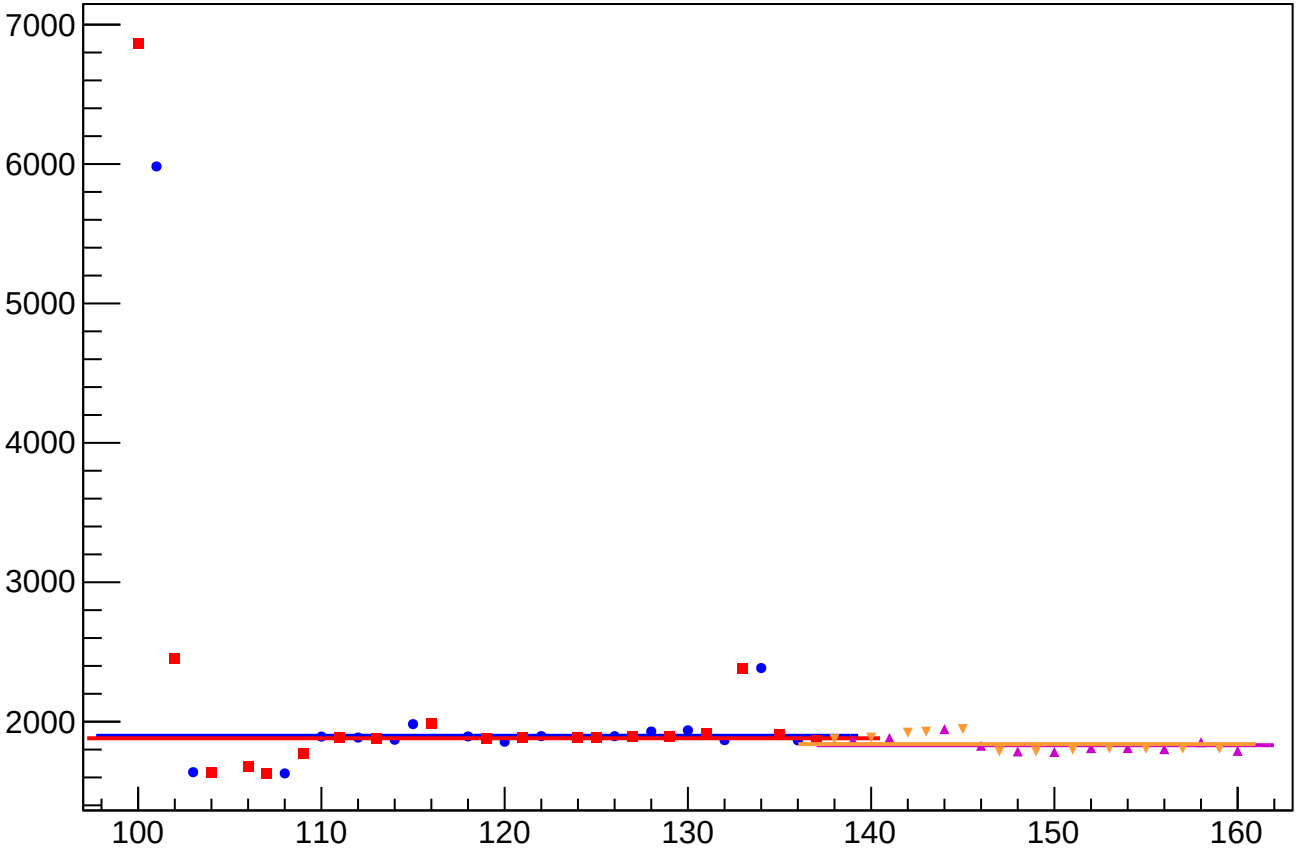
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -845.786+/-458.288 χ^2/NDF:26.7/26

Out: 1061.675+/-454.530 χ^2/NDF:22.8/30

All: 115.796+/-322.722 χ^2/NDF: 58.2/57

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: 1831.203+/-0.419 χ^2/NDF:12599.4/10

Left: 1835.207+/-0.297 χ^2/NDF: 30217.4/22

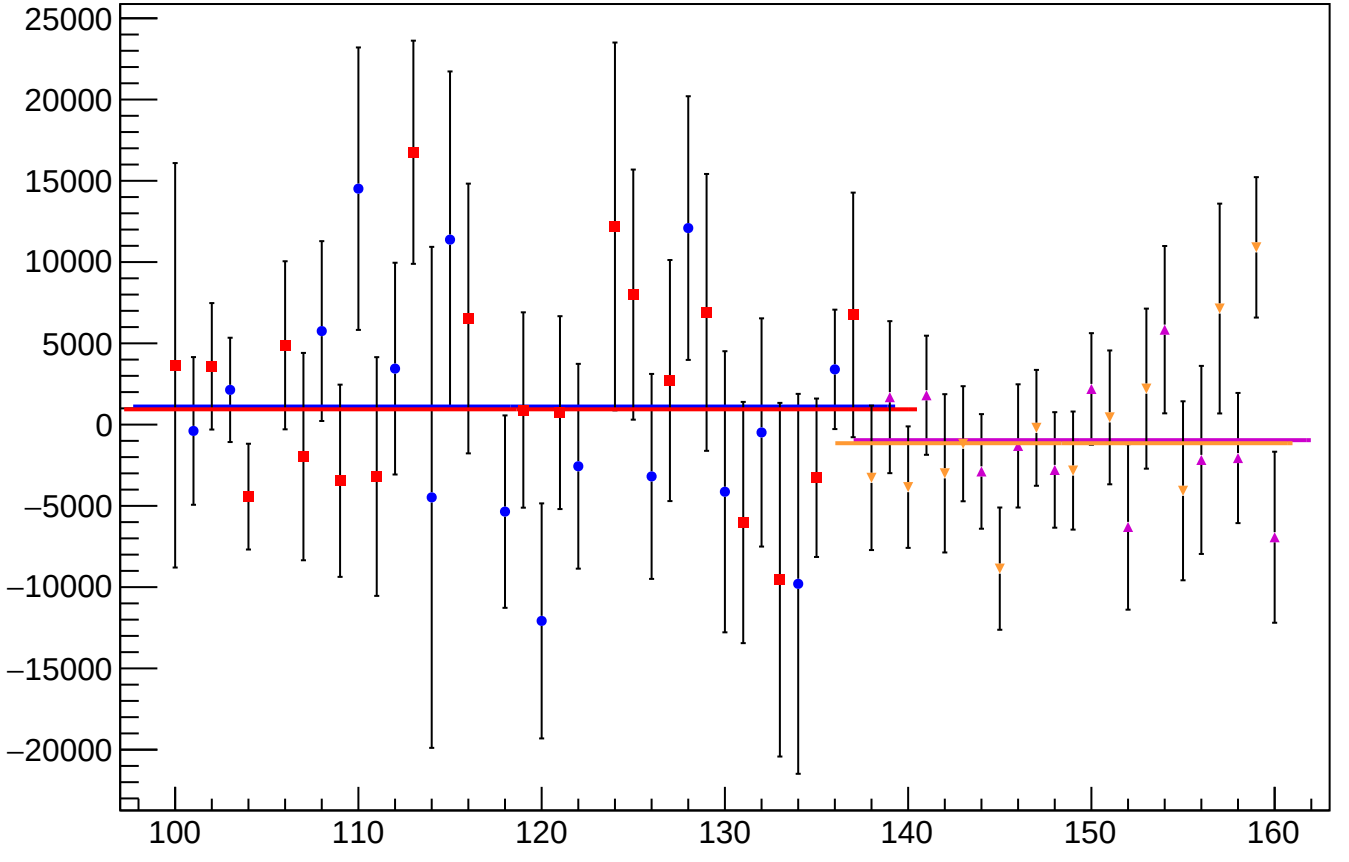
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1858.363+/-0.324 χ^2/NDF:720578.8/26

Out: 1856.708+/-0.321 χ^2/NDF:238110.5/30

All: 1857.528+/-0.228 χ^2/NDF: 958702.5/57

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -957.439+/-1251.063 χ^2/NDF:6.6/10

Left: -1054.204+/-870.716 χ^2/NDF: 22.3/22

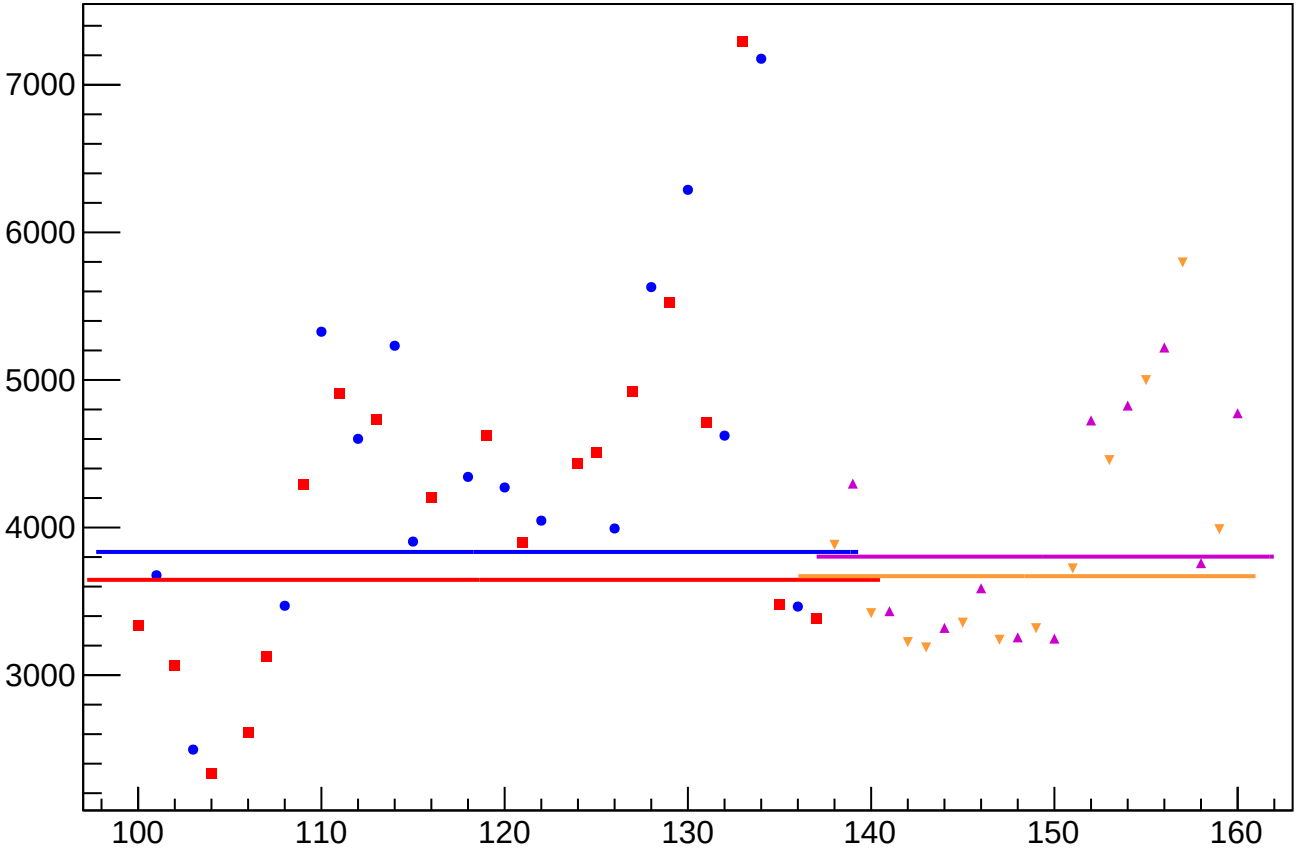
Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -94.797+/-955.289 χ^2/NDF:21.1/26

Out: -250.316+/-916.301 χ^2/NDF:33.2/30

All: -175.795+/-661.276 χ^2/NDF: 54.3/57

asym_atr_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3802.803+/-0.885 χ^2/NDF:519565.9/10

Left: 3734.500+/-0.616 χ^2/NDF: 1056368.6/22

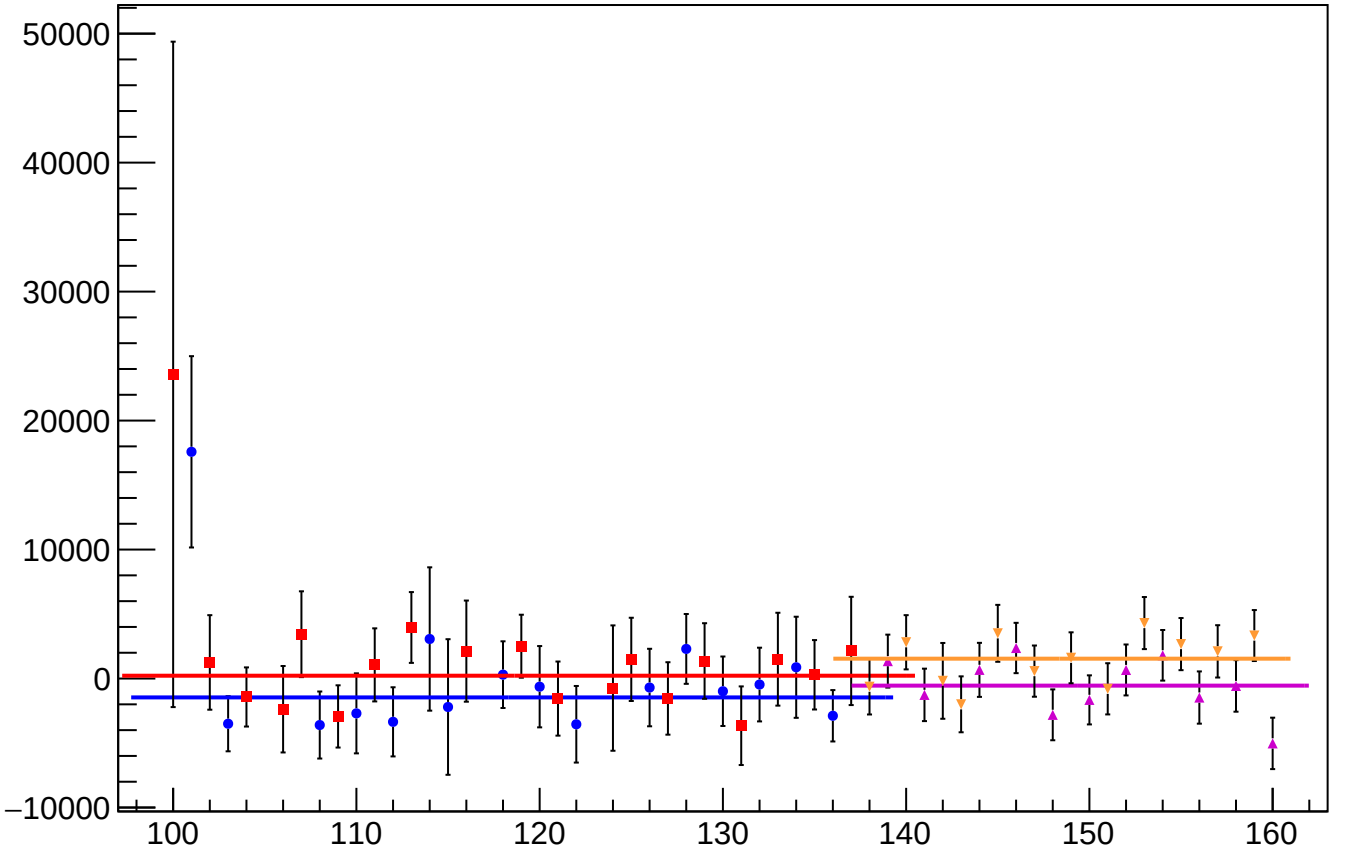
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3816.098+/-0.675 χ^2/NDF:1476419.8/26

Out: 3659.761+/-0.648 χ^2/NDF:1650576.4/30

All: 3734.674+/-0.468 χ^2/NDF: 3154894.4/57

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: -549.454+/-601.317 χ^2/NDF:12.3/10

Left: 488.689+/-426.583 χ^2/NDF: 28.2/22

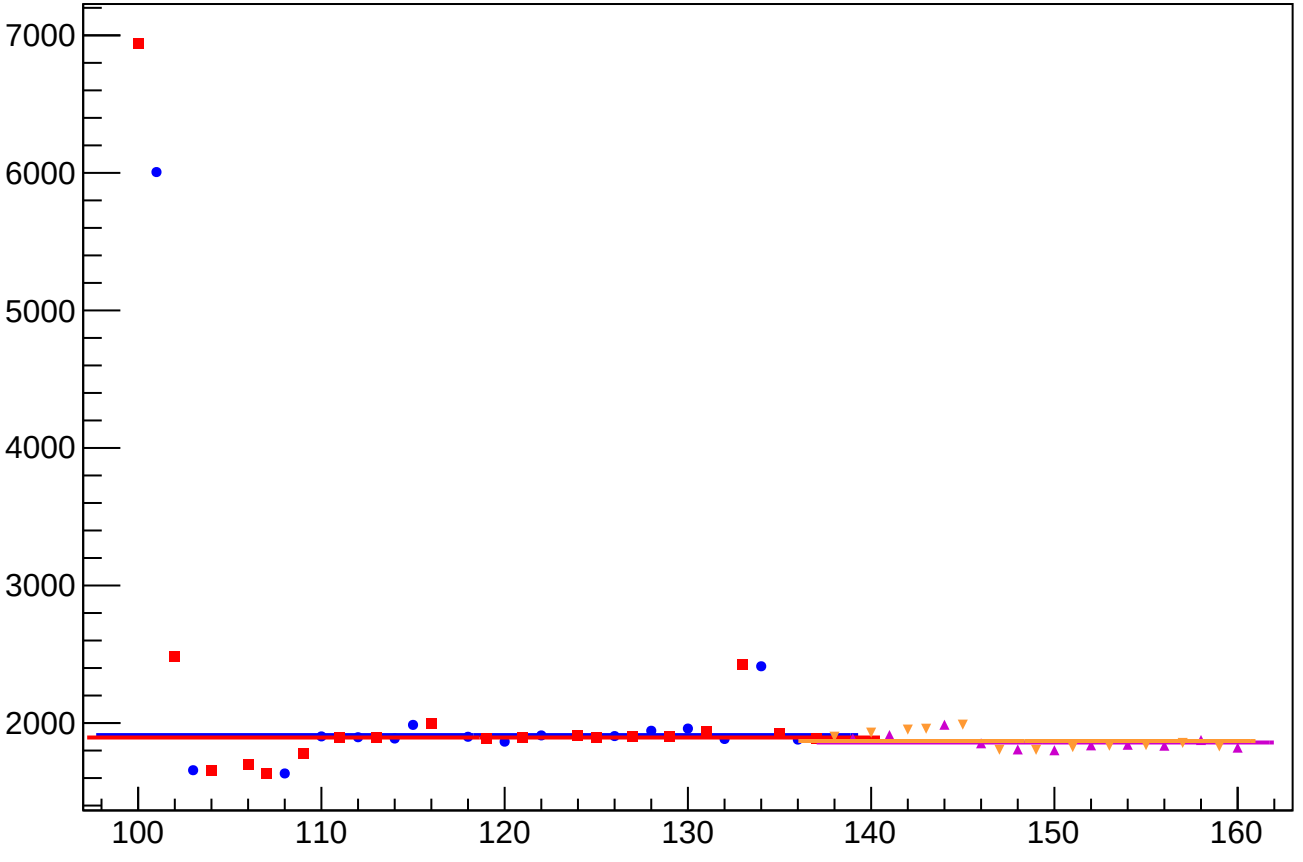
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -919.638+/-463.686 χ^2/NDF:26.8/26

Out: 983.583+/-460.294 χ^2/NDF:22.7/30

All: 38.960+/-326.670 χ^2/NDF: 58.0/57

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: 1858.507+/-0.425 χ^2/NDF:14020.3/10

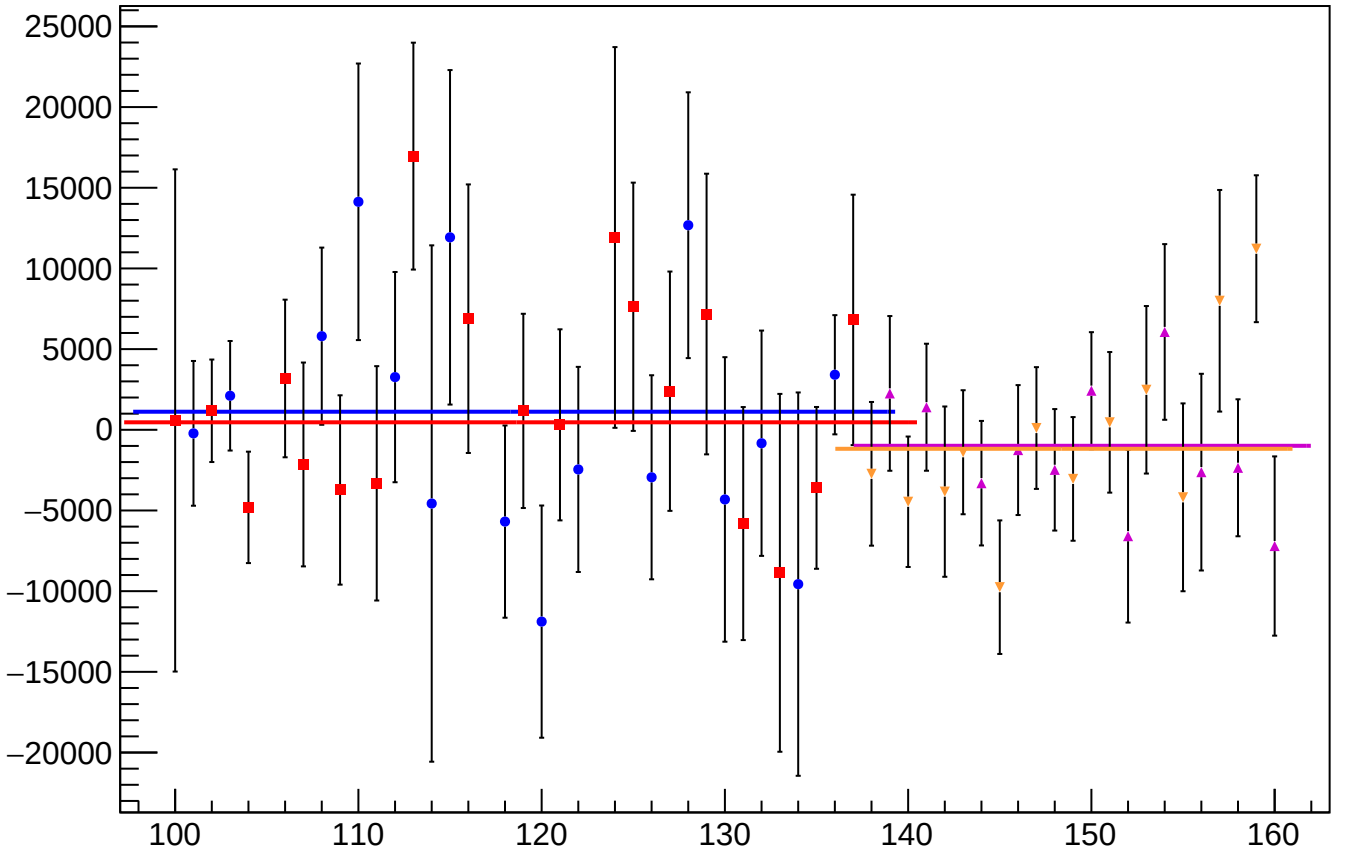
Left: 1863.903+/-0.302 χ^2/NDF: 34331.3/22

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1880.345+/-0.328 χ^2/NDF:716747.9/26

Out: 1880.092+/-0.325 χ^2/NDF:241254.4/30

All: 1880.217+/-0.231 χ^2/NDF: 958002.6/57



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1177.197+/-1290.155 χ^2/NDF:15.8/11

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -990.999+/-1328.130 χ^2/NDF:6.4/10

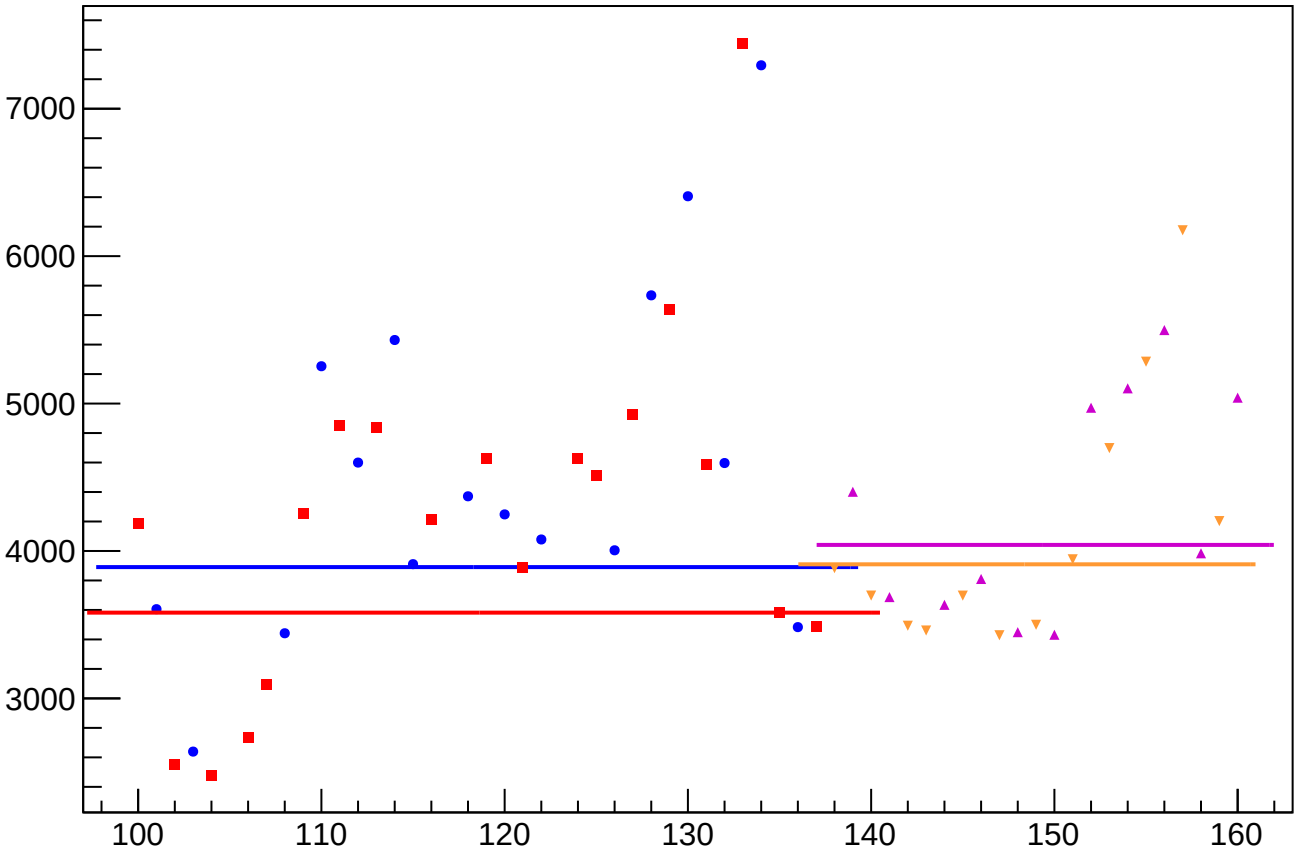
Left: -1086.798+/-925.412 χ^2/NDF: 22.2/22

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: -61.623+/-993.688 χ^2/NDF:21.0/26

Out: -406.130+/-939.500 χ^2/NDF:31.6/30

All: -243.526+/-682.680 χ^2/NDF: 52.6/57



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: 4041.179+/-0.939 χ^2/NDF:478007.2/10

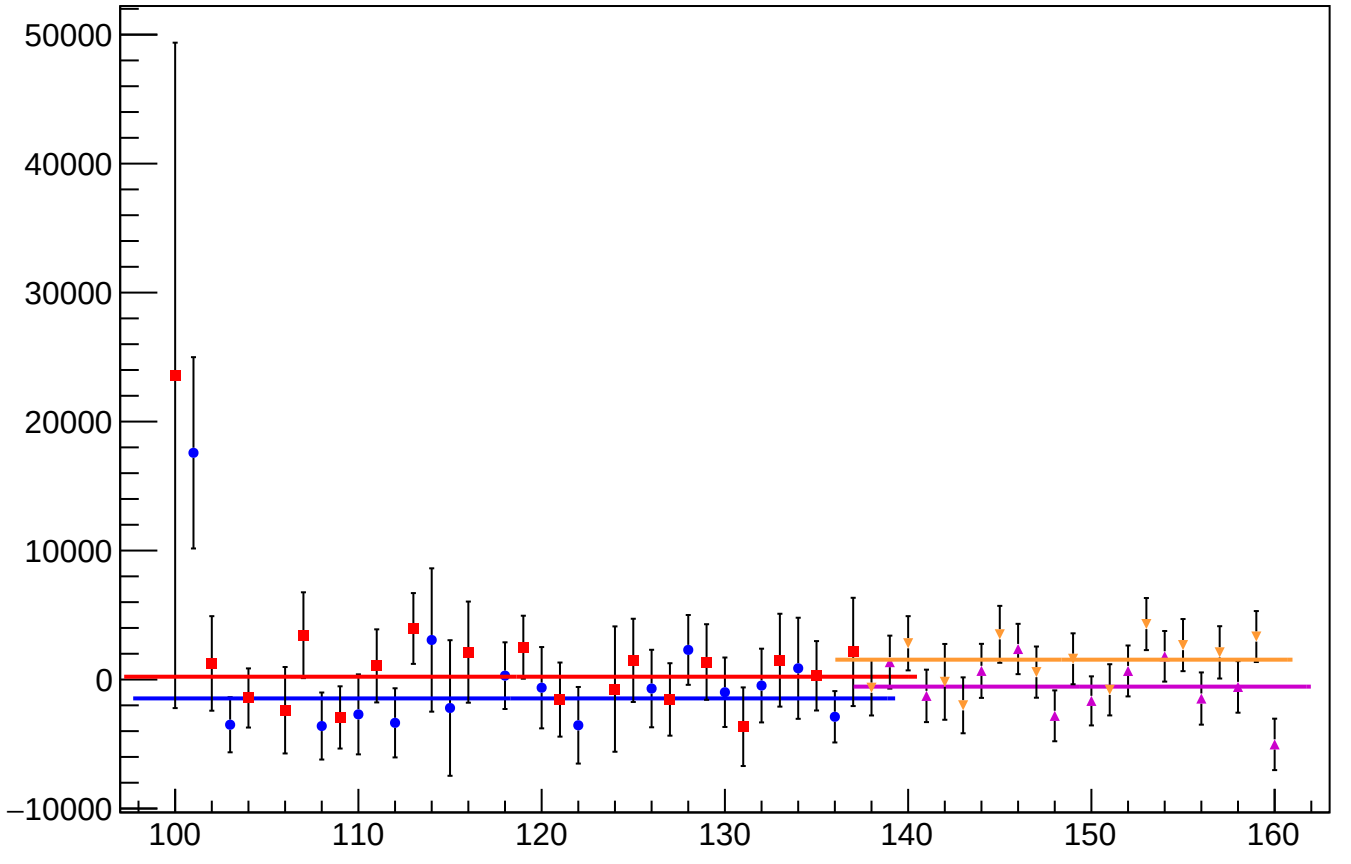
Left: 3973.487+/-0.654 χ^2/NDF: 977942.9/22

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

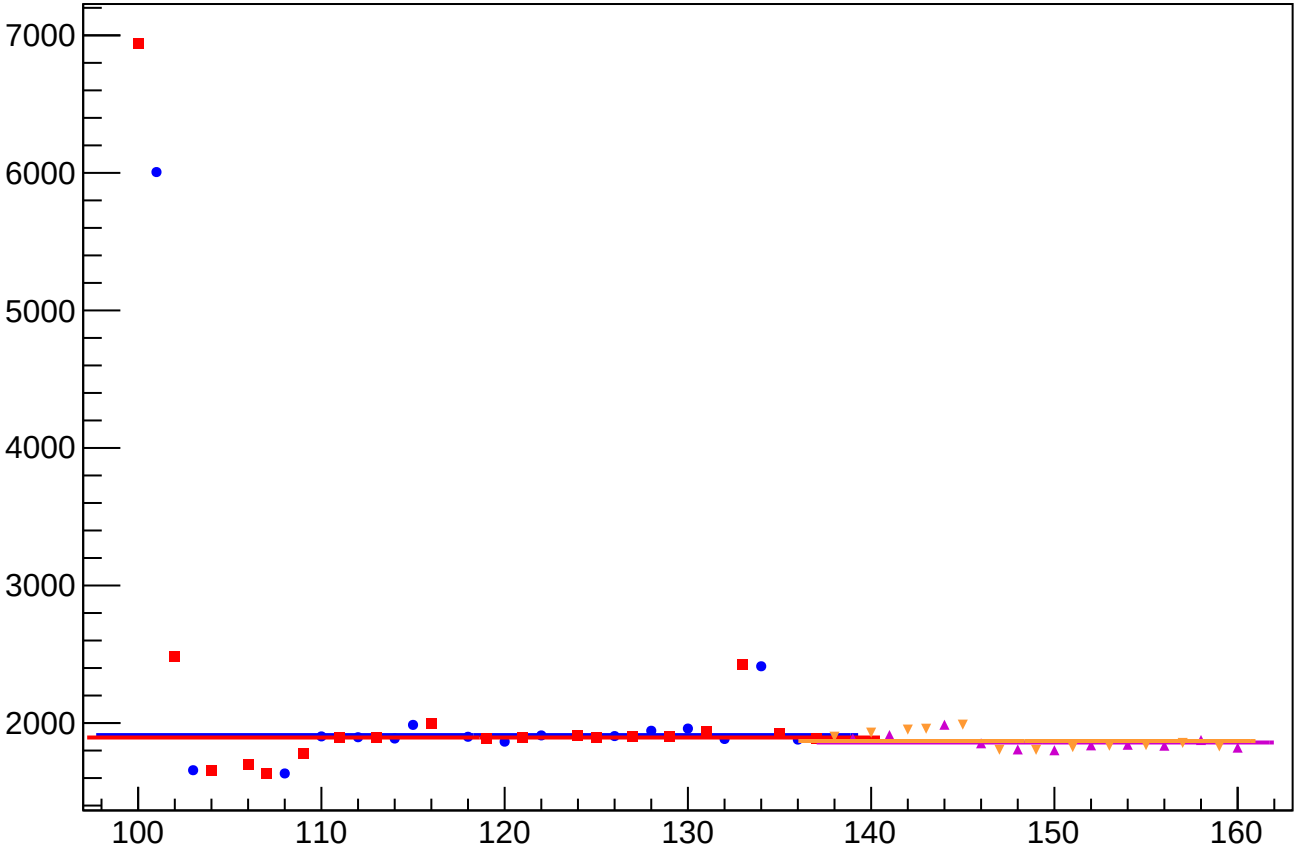
In: 3974.939+/-0.703 χ^2/NDF:1367726.6/26

Out: 3755.623+/-0.664 χ^2/NDF:1772349.0/30

All: 3859.139+/-0.483 χ^2/NDF: 3191516.7/57


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 1540.502+/-605.261 χ²/NDF:9.9/11
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: -549.454+/-601.317 χ²/NDF:12.3/10
Left: 488.692+/-426.583 χ²/NDF: 28.2/22
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -919.641+/-463.686 χ²/NDF:26.8/26
Out: 983.585+/-460.294 χ²/NDF:22.7/30
All: 38.959+/-326.670 χ²/NDF: 58.0/57

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



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: 1858.507+/-0.425 χ^2/NDF:14020.2/10

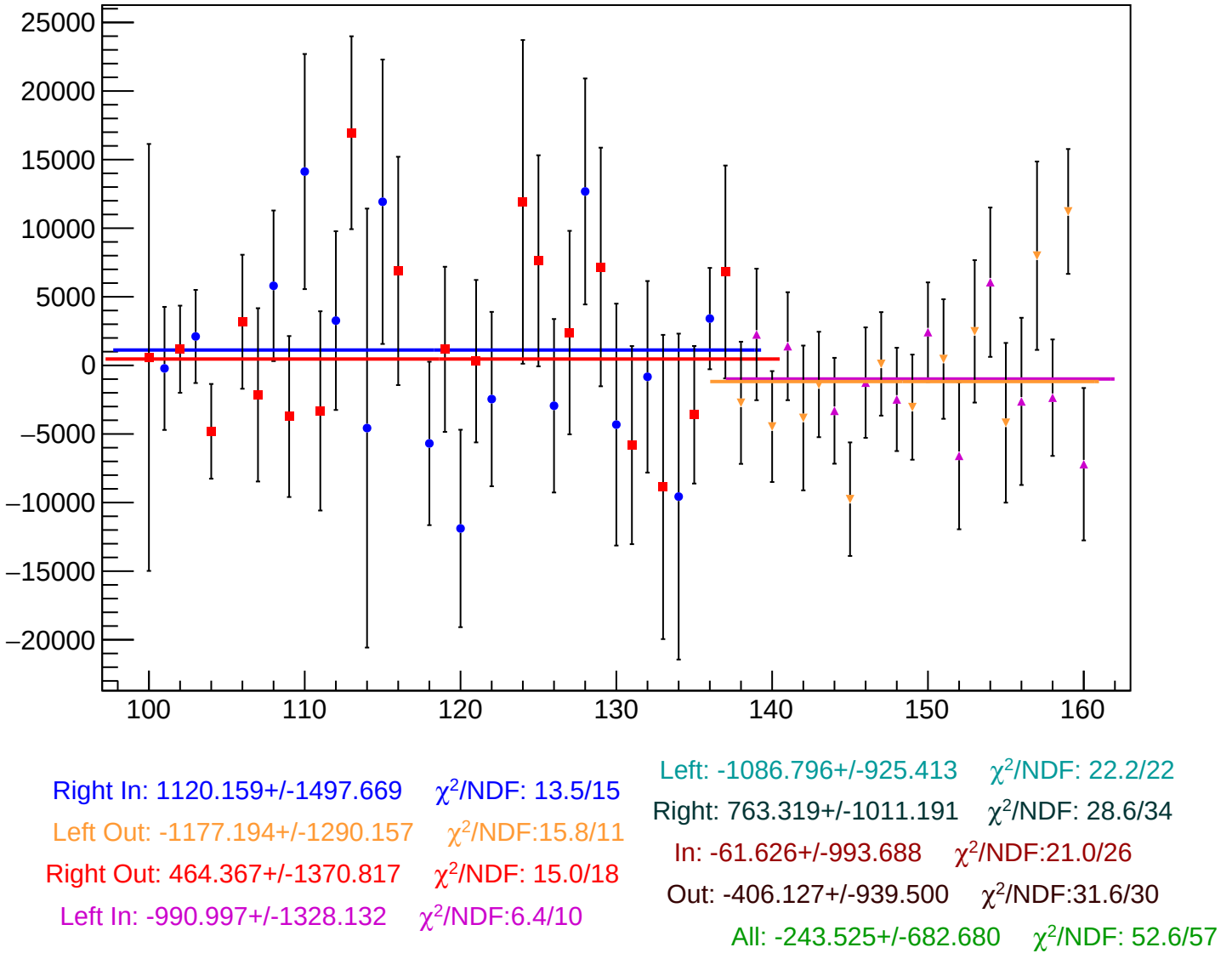
Left: 1863.904+/-0.302 χ^2/NDF: 34331.3/22

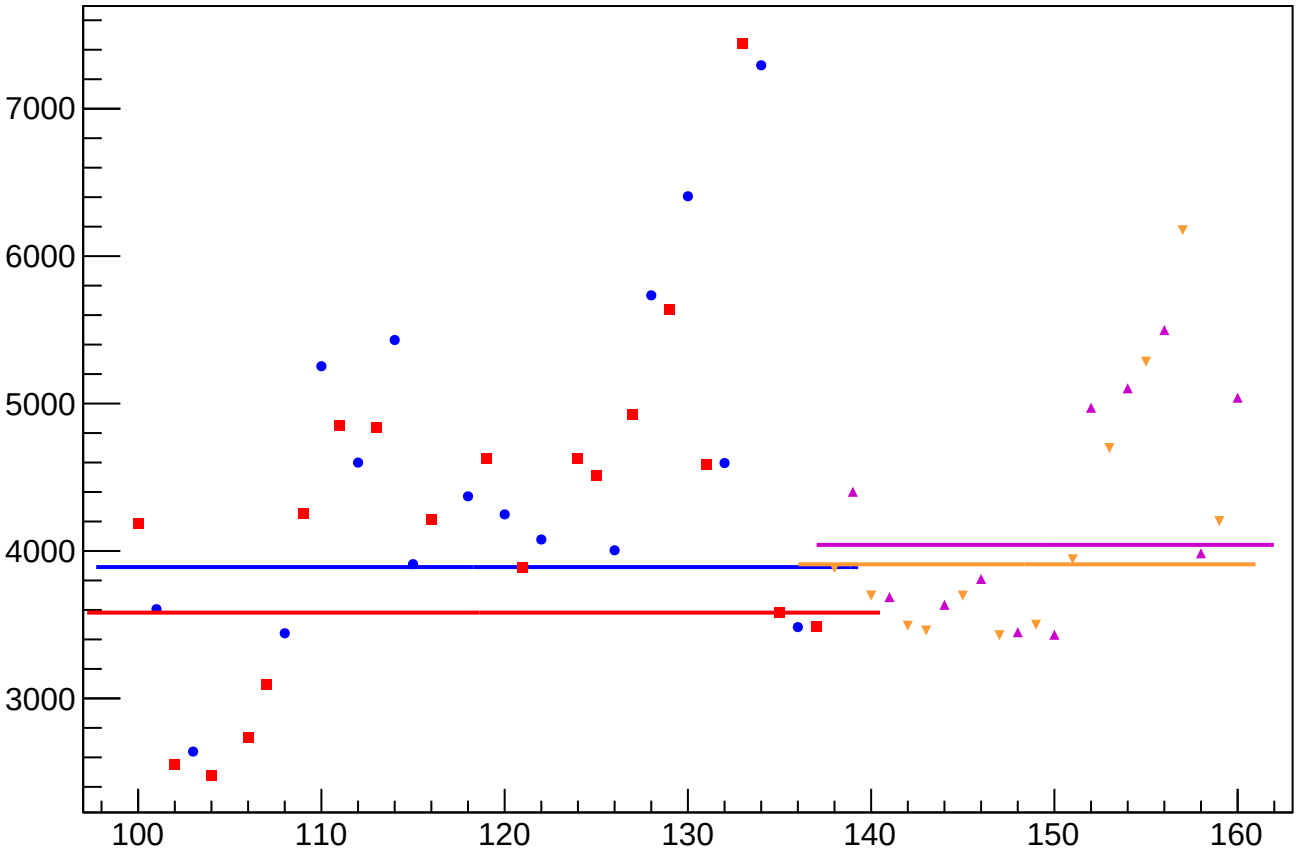
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1880.345+/-0.328 χ^2/NDF:716747.6/26

Out: 1880.092+/-0.325 χ^2/NDF:241254.3/30

All: 1880.218+/-0.231 χ^2/NDF: 958002.2/57


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: -990.997+/-1328.132 χ²/NDF:6.4/10
Left: -1086.796+/-925.413 χ²/NDF: 22.2/22
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: -61.626+/-993.688 χ²/NDF:21.0/26
Out: -406.127+/-939.500 χ²/NDF:31.6/30
All: -243.525+/-682.680 χ²/NDF: 52.6/57



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: 4041.185+/-0.939 χ^2/NDF:478005.9/10

Left: 3973.492+/-0.654 χ^2/NDF: 977940.3/22

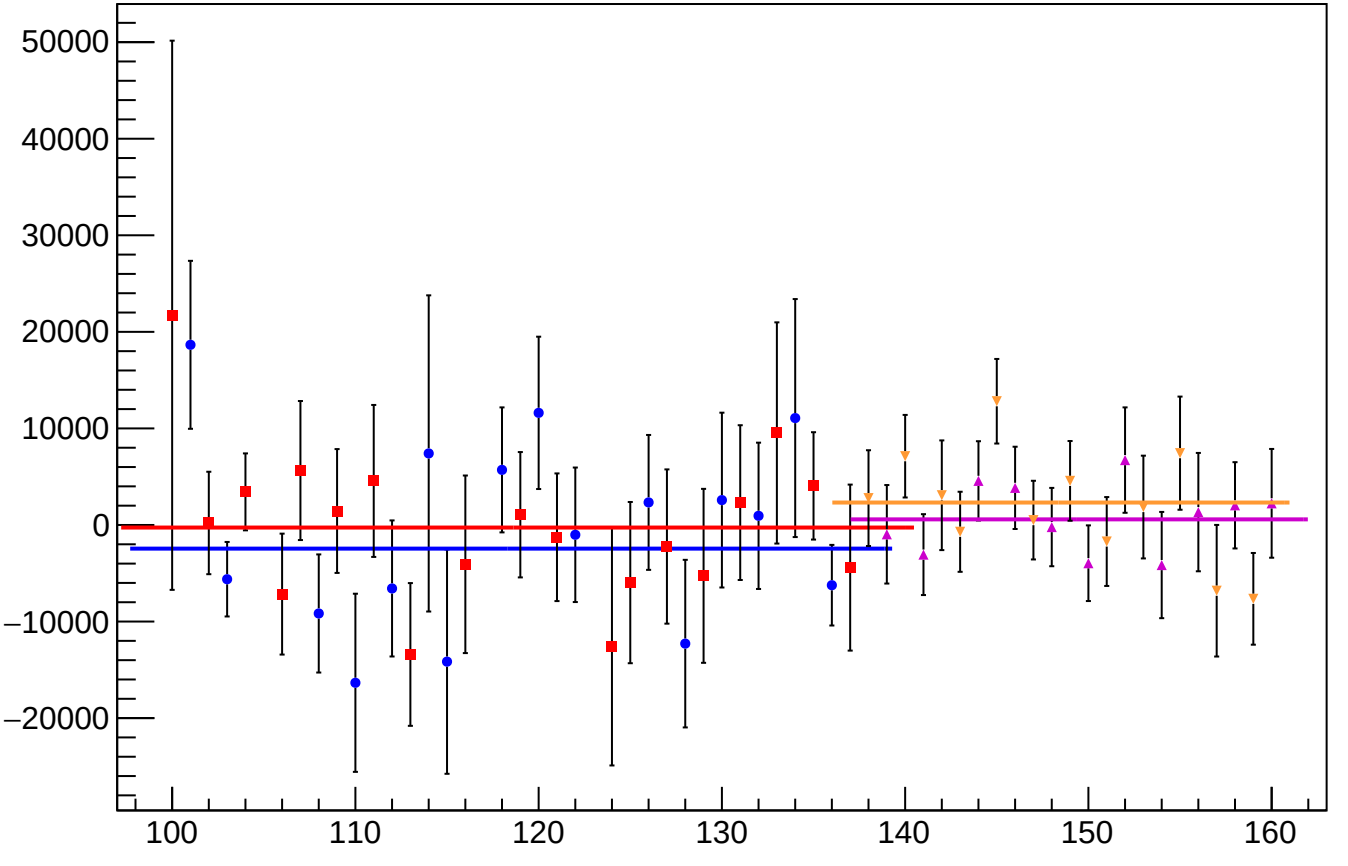
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3974.941+/-0.703 χ^2/NDF:1367717.5/26

Out: 3755.624+/-0.664 χ^2/NDF:1772342.2/30

All: 3859.140+/-0.483 χ^2/NDF: 3191501.1/57

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: 581.061+/-1399.317 χ^2/NDF:6.0/10

Left: 1471.273+/-978.757 χ^2/NDF: 22.6/22

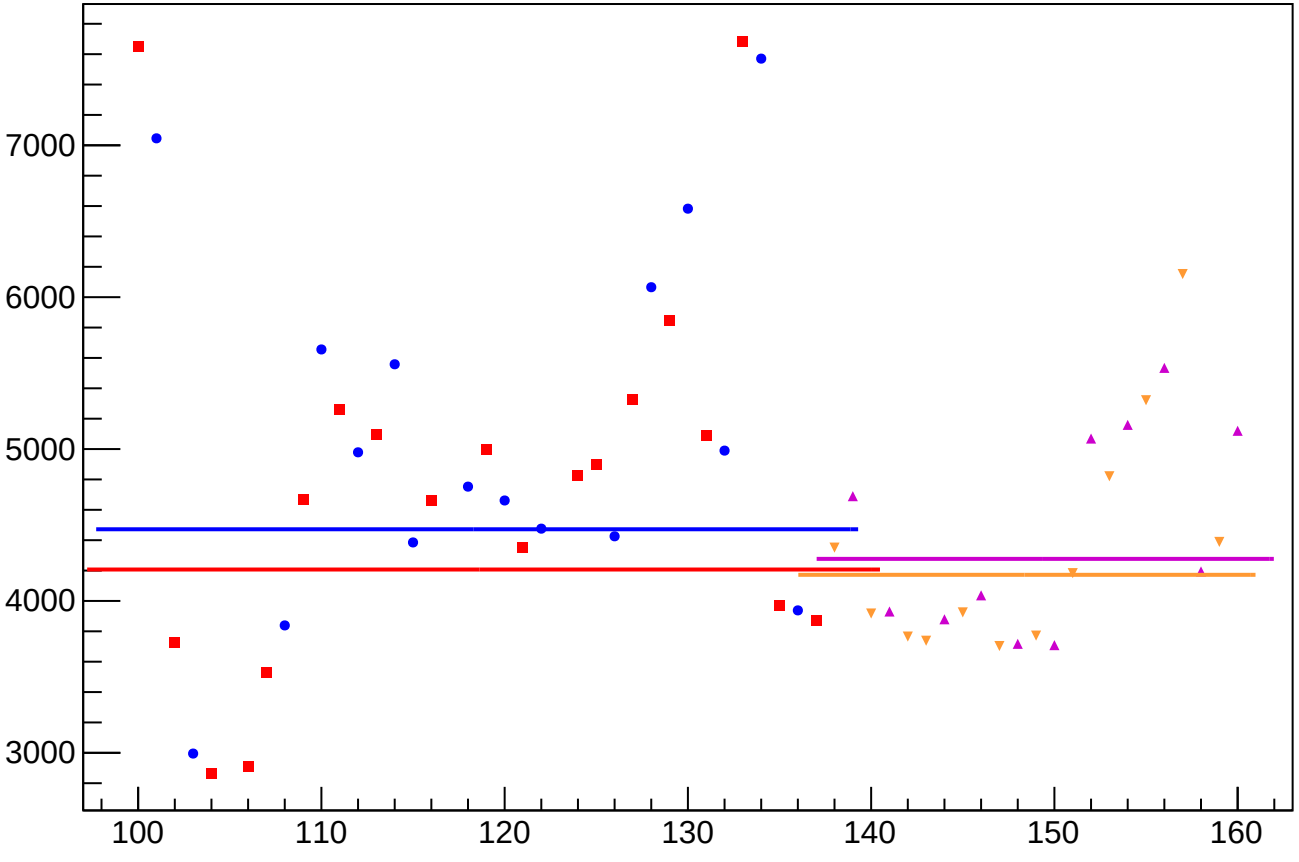
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -625.685+/-1085.391 χ^2/NDF:28.7/26

Out: 1246.527+/-1046.557 χ^2/NDF:28.0/30

All: 344.513+/-753.382 χ^2/NDF: 58.2/57

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: 4276.990+/-0.989 χ^2/NDF:355299.0/10

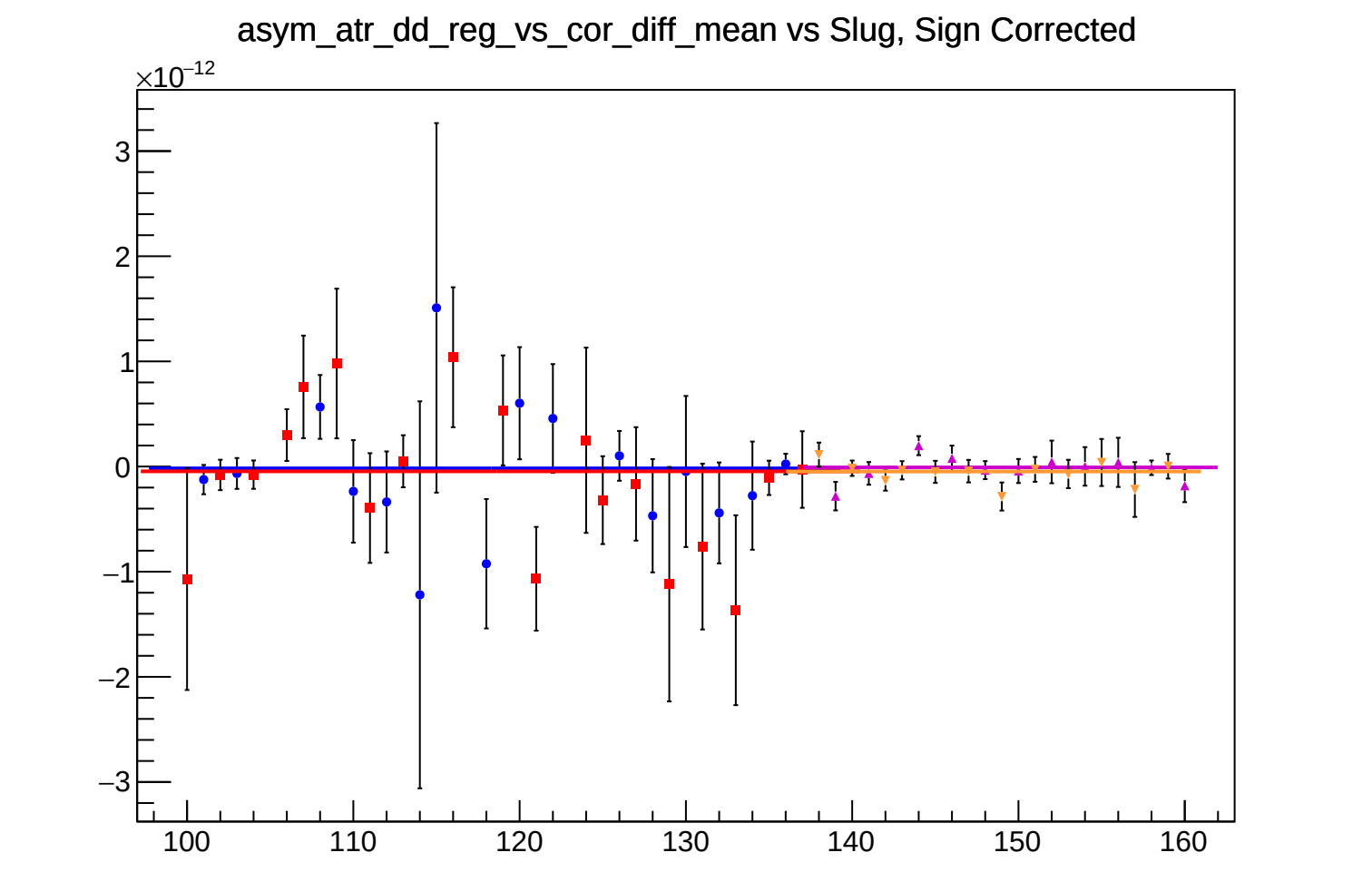
Left: 4223.376+/-0.692 χ^2/NDF: 734391.2/22

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4354.635+/-0.767 χ^2/NDF:1262435.6/26

Out: 4186.674+/-0.737 χ^2/NDF:1220414.3/30

All: 4267.309+/-0.532 χ^2/NDF: 2507750.3/57



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:11.6/10

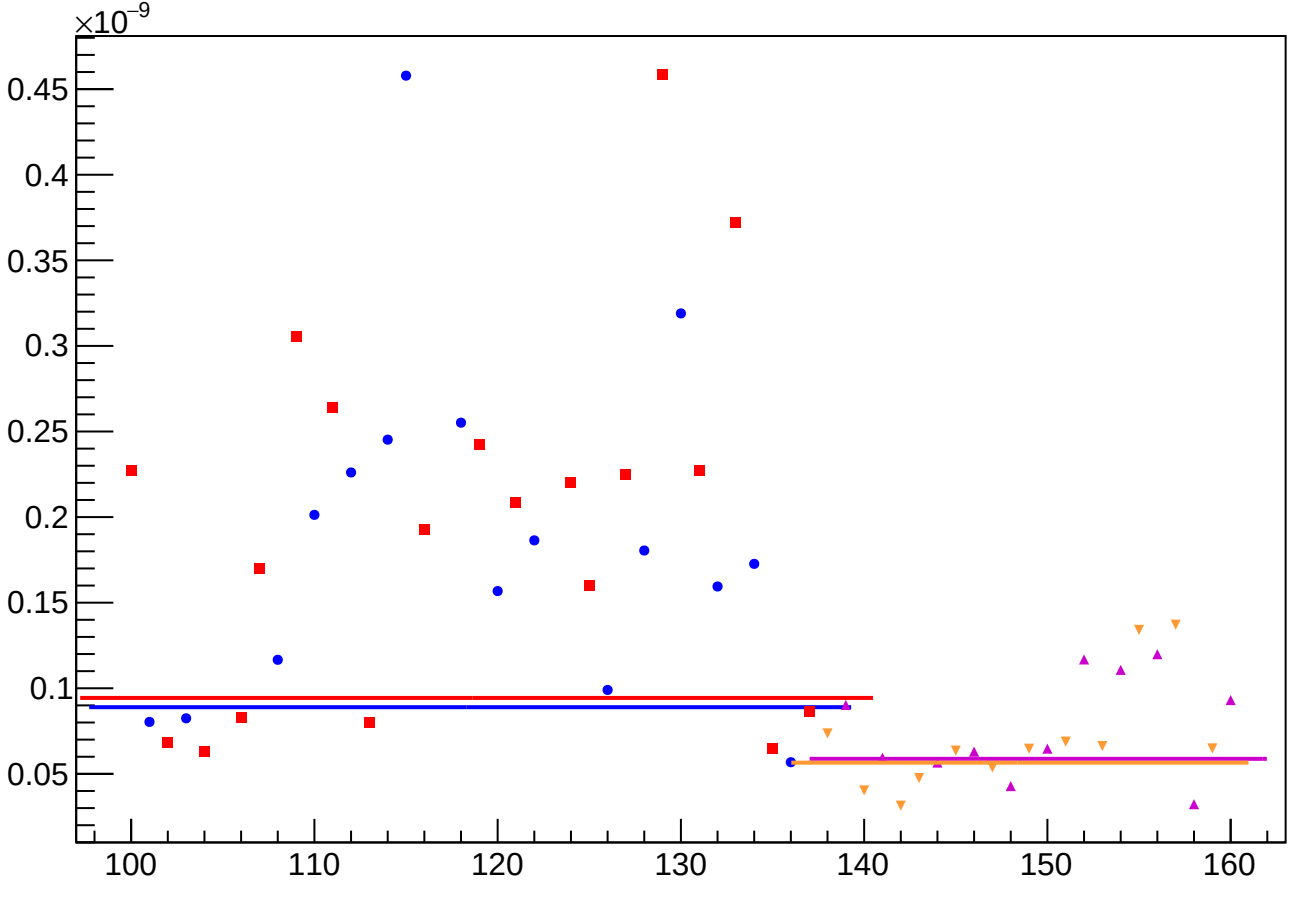
Left: -0.000+/-0.000 χ^2/NDF: 19.3/22

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:24.4/26

Out: -0.000+/-0.000 χ^2/NDF:28.2/30

All: -0.000+/-0.000 χ^2/NDF: 53.4/57



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:1039502.4/10

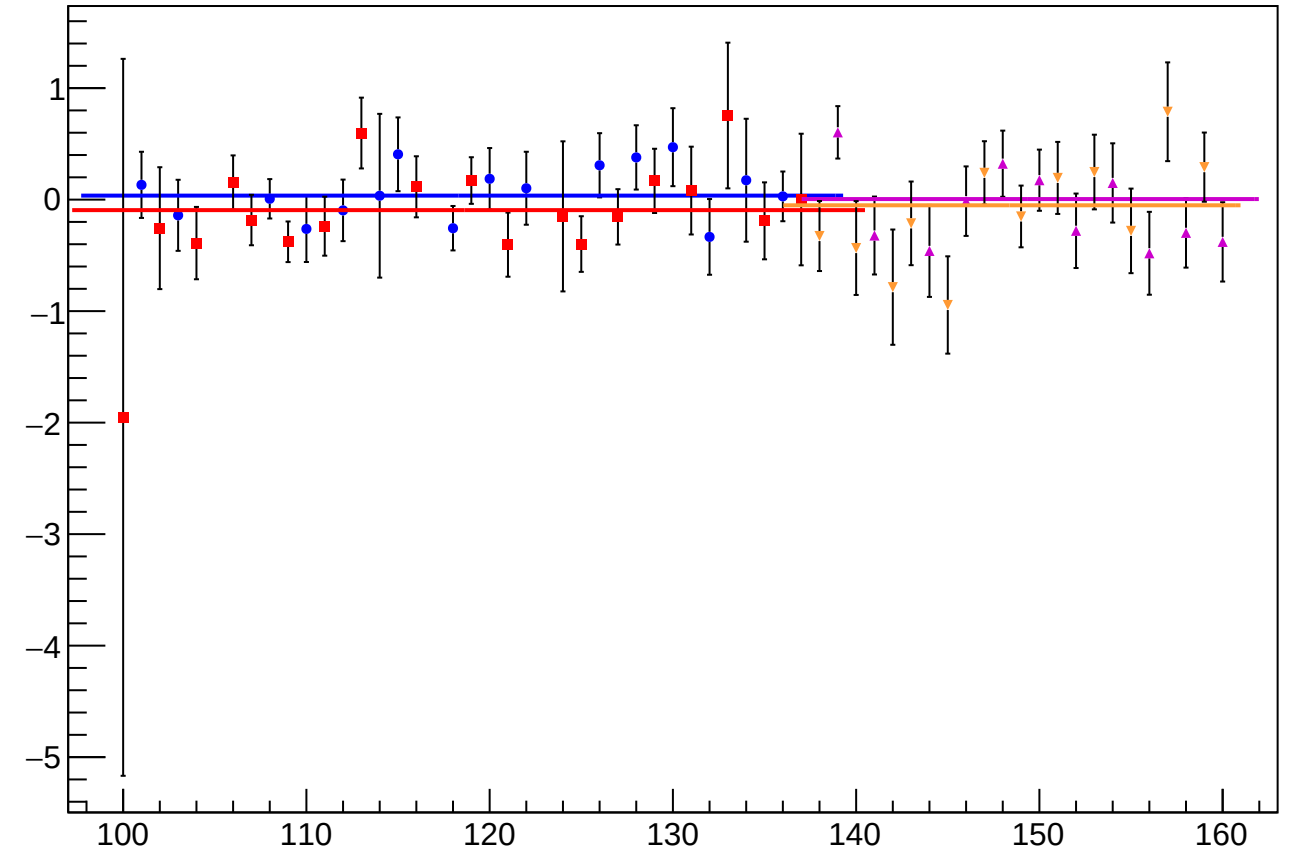
Left: 0.000+/-0.000 χ^2/NDF: 1836050.8/22

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2639001.6/26

Out: 0.000+/-0.000 χ^2/NDF:2991951.3/30

All: 0.000+/-0.000 χ^2/NDF: 5637763.4/57



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: 0.005+/-0.096 χ^2/NDF:14.9/10

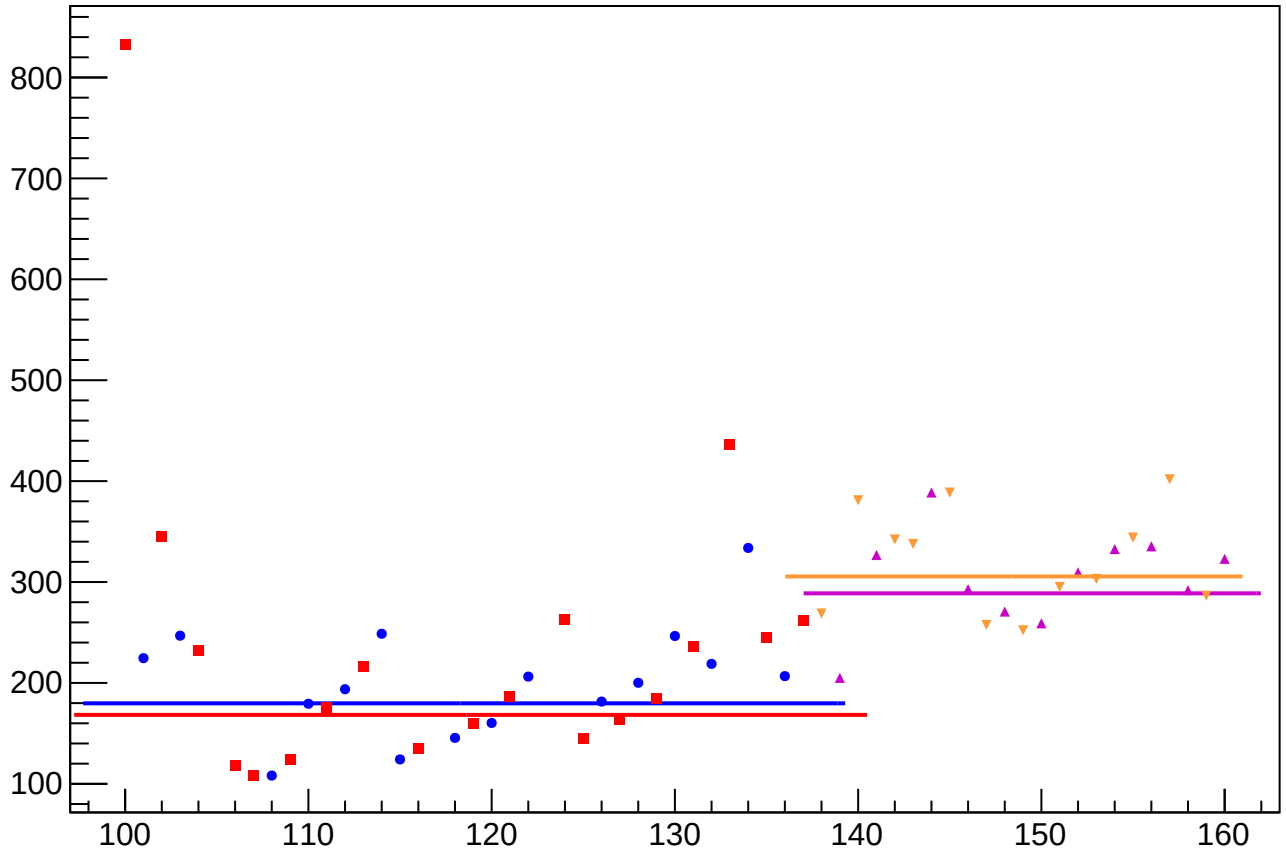
Left: -0.021+/-0.069 χ^2/NDF: 30.7/22

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.028+/-0.040 χ^2/NDF: 60.7/57



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: 288.798+/-0.068 χ^2/NDF:514724.1/10

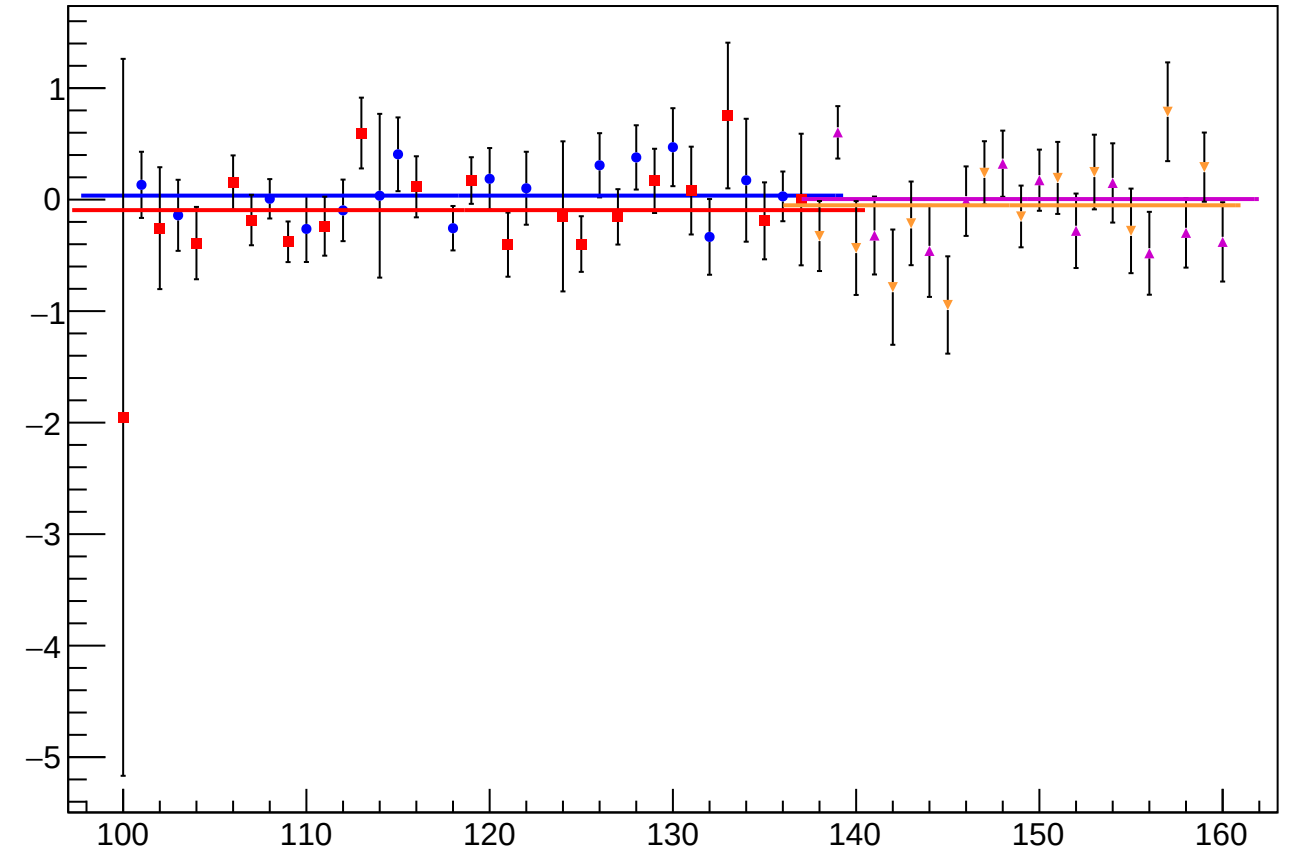
Left: 296.722+/-0.049 χ^2/NDF: 989348.6/22

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.249+/-0.040 χ^2/NDF:3116092.3/26

Out: 210.892+/-0.040 χ^2/NDF:4407929.7/30

All: 214.531+/-0.028 χ^2/NDF: 7540991.4/57



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: 0.005+/-0.096 χ^2/NDF:14.9/10

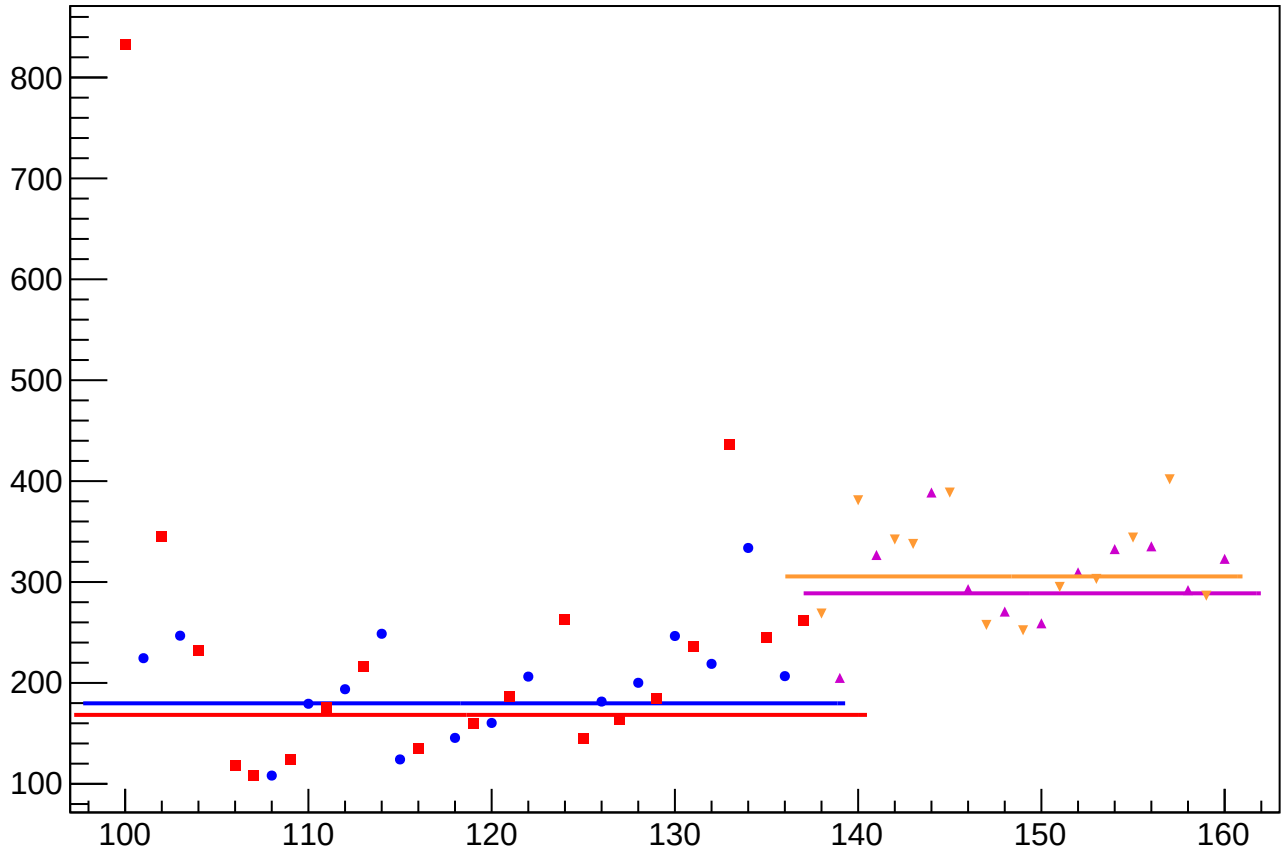
Left: -0.021+/-0.069 χ^2/NDF: 30.7/22

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.028+/-0.040 χ^2/NDF: 60.7/57



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: 288.798+/-0.068 χ^2/NDF:514724.1/10

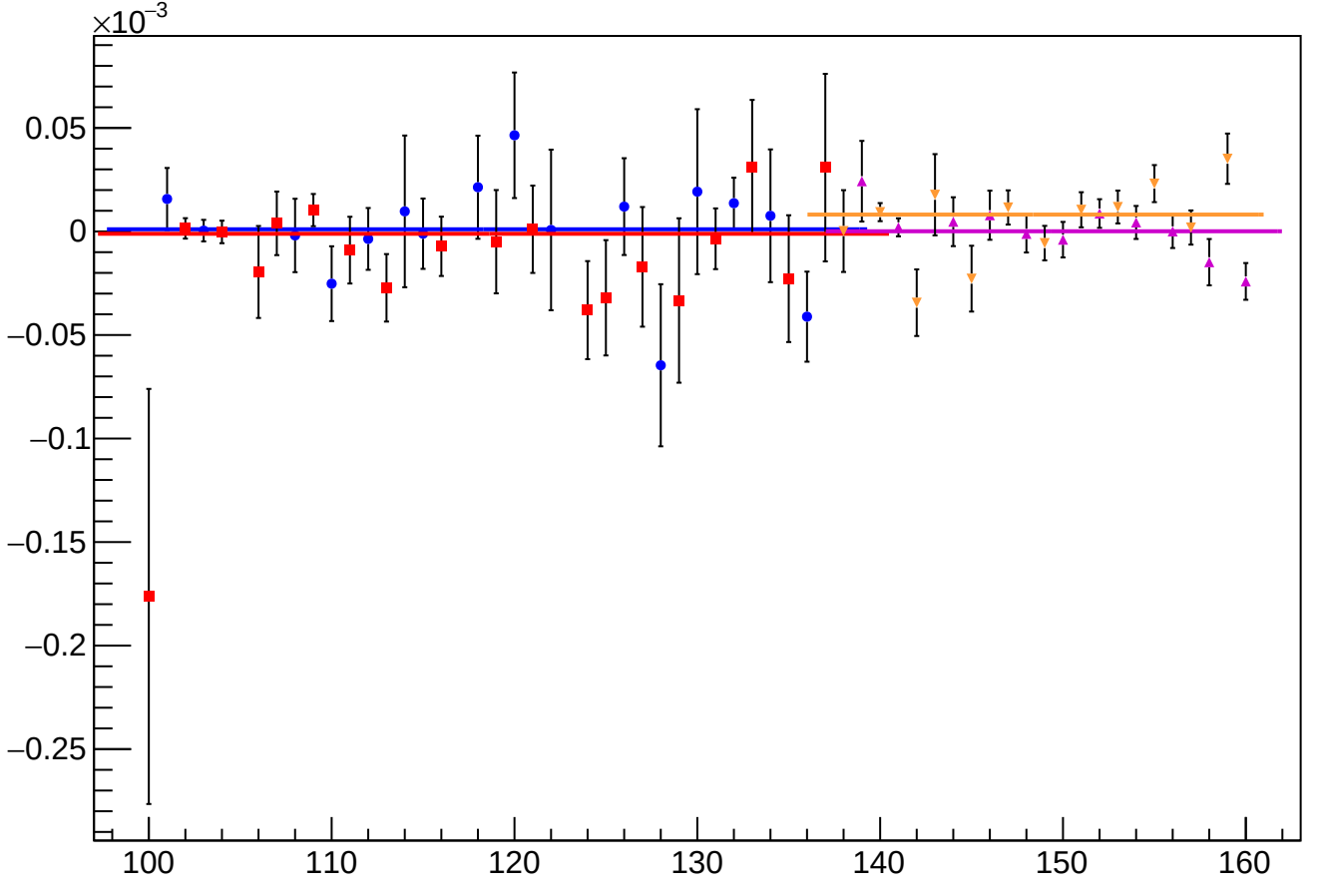
Left: 296.722+/-0.049 χ^2/NDF: 989348.6/22

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.249+/-0.040 χ^2/NDF:3116092.3/26

Out: 210.892+/-0.040 χ^2/NDF:4407929.7/30

All: 214.531+/-0.028 χ^2/NDF: 7540991.4/57



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:13.6/10

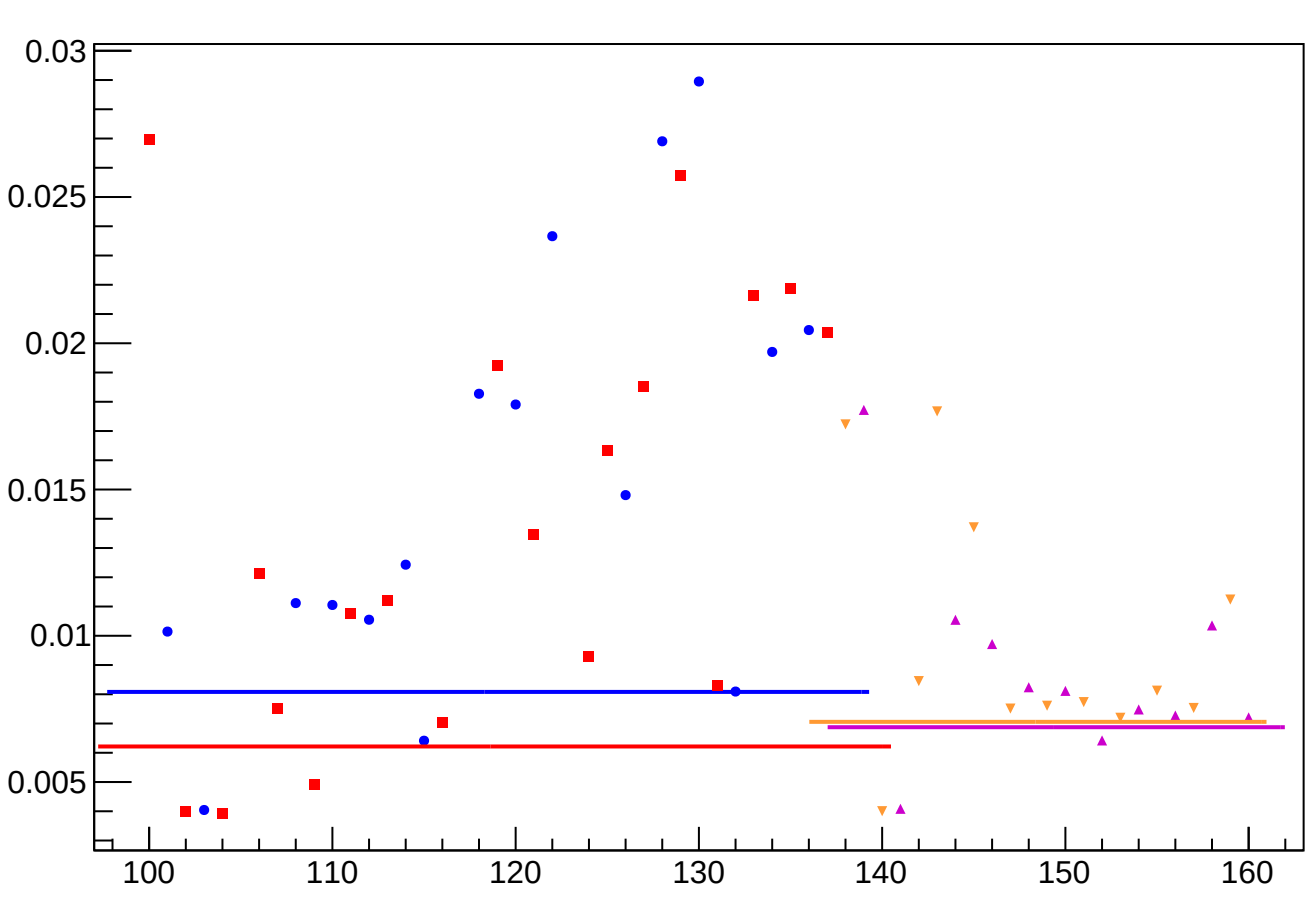
Left: 0.000+/-0.000 χ^2/NDF: 41.7/22

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:27.9/26

Out: 0.000+/-0.000 χ^2/NDF:44.8/30

All: 0.000+/-0.000 χ^2/NDF: 74.5/57



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:2060481.8/10

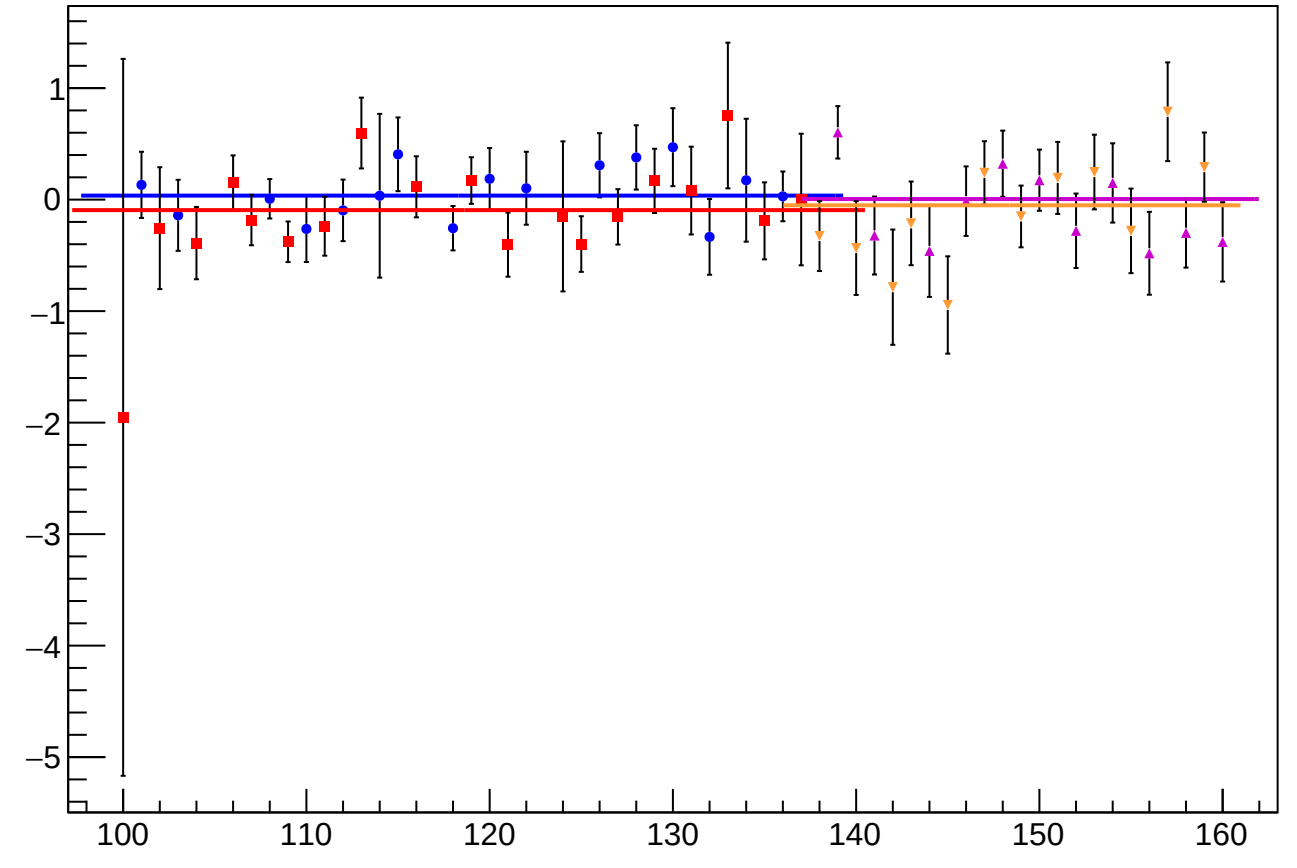
Left: 0.007+/-0.000 χ^2/NDF: 4824711.8/22

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6621733.6/26

Out: 0.007+/-0.000 χ^2/NDF:7419275.8/30

All: 0.007+/-0.000 χ^2/NDF: 14120852.7/57



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: 0.005+/-0.096 χ^2/NDF:14.9/10

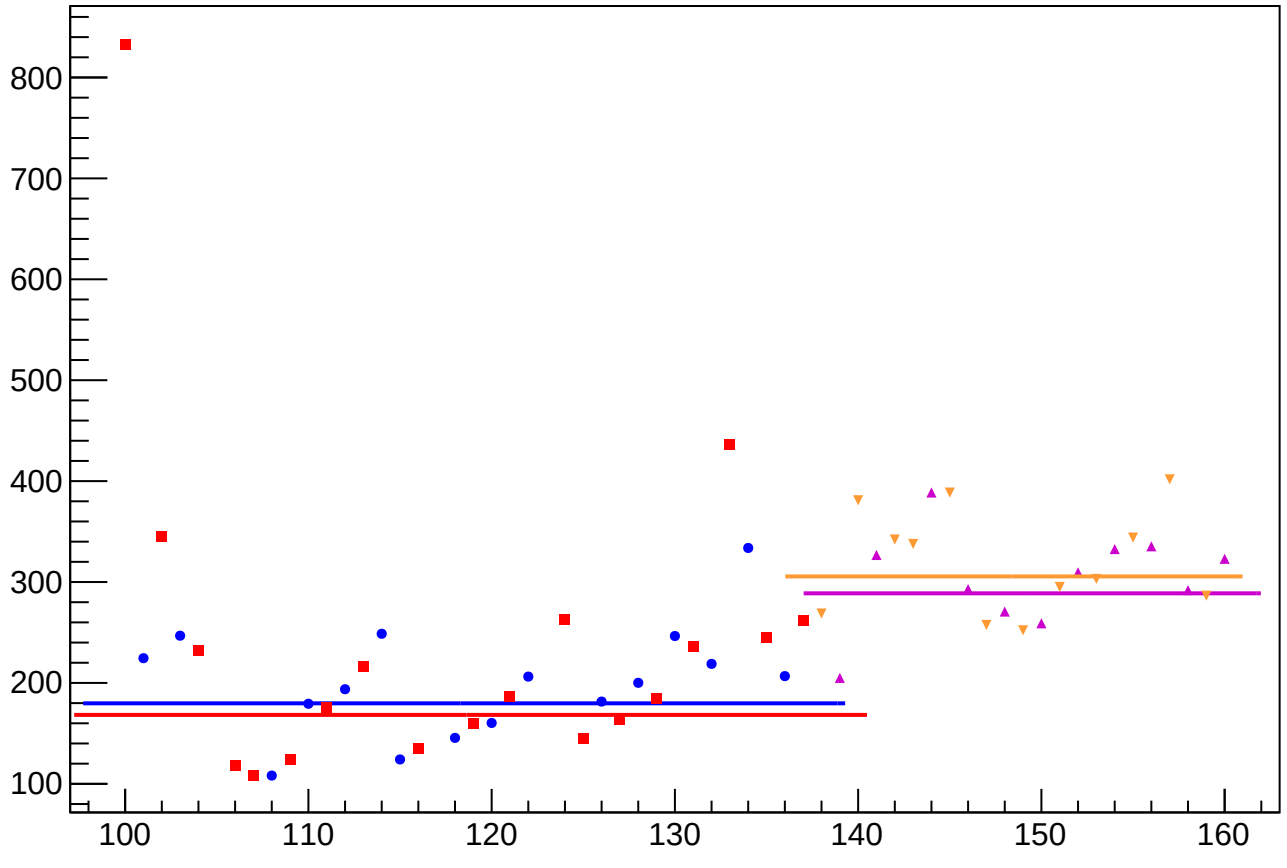
Left: -0.021+/-0.069 χ^2/NDF: 30.7/22

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.028+/-0.040 χ^2/NDF: 60.7/57



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: 288.802+/-0.068 χ^2/NDF:514693.9/10

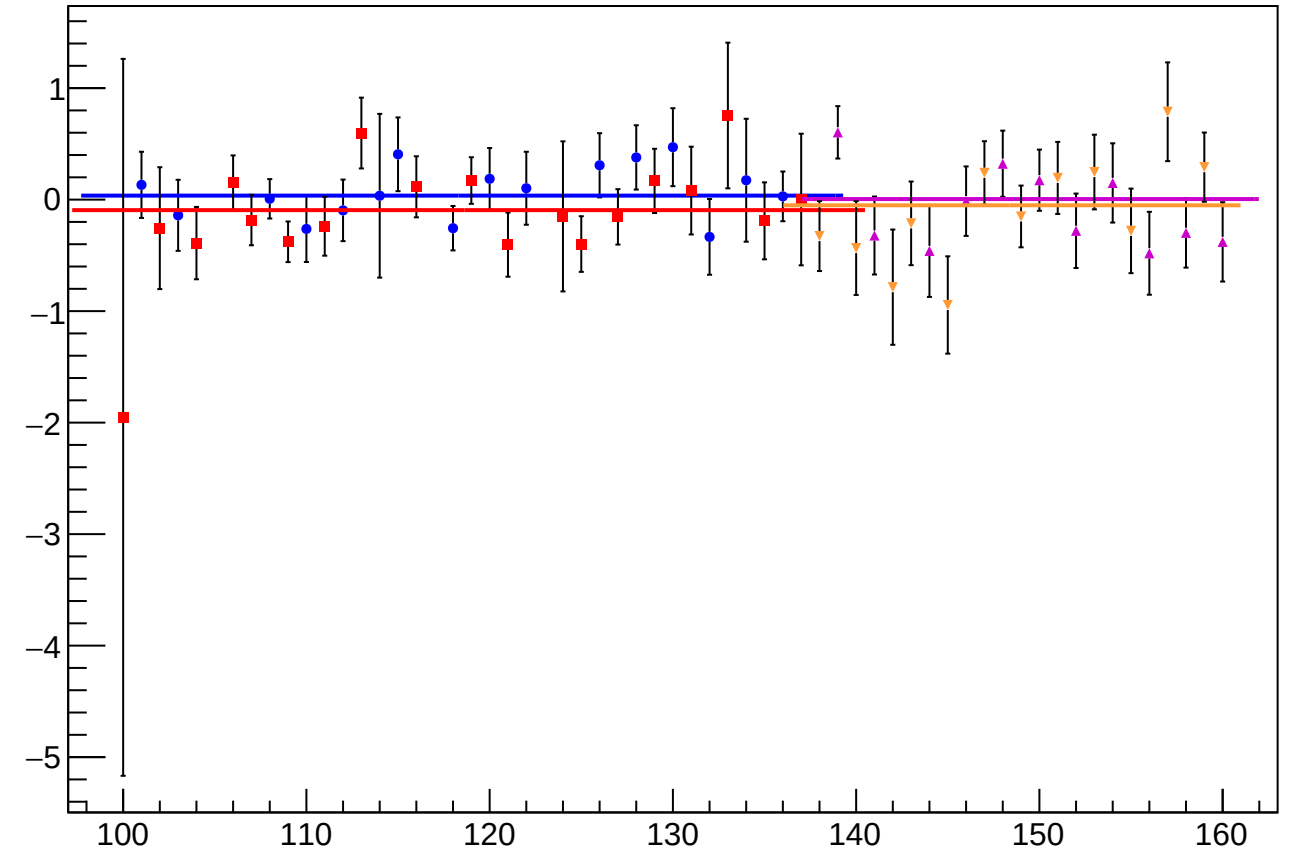
Left: 296.726+/-0.049 χ^2/NDF: 989293.0/22

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.247+/-0.040 χ^2/NDF:3116299.8/26

Out: 210.892+/-0.040 χ^2/NDF:4408022.8/30

All: 214.530+/-0.028 χ^2/NDF: 7541283.2/57



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: 0.005+/-0.096 χ^2/NDF:14.9/10

Left: -0.021+/-0.069 χ^2/NDF: 30.7/22

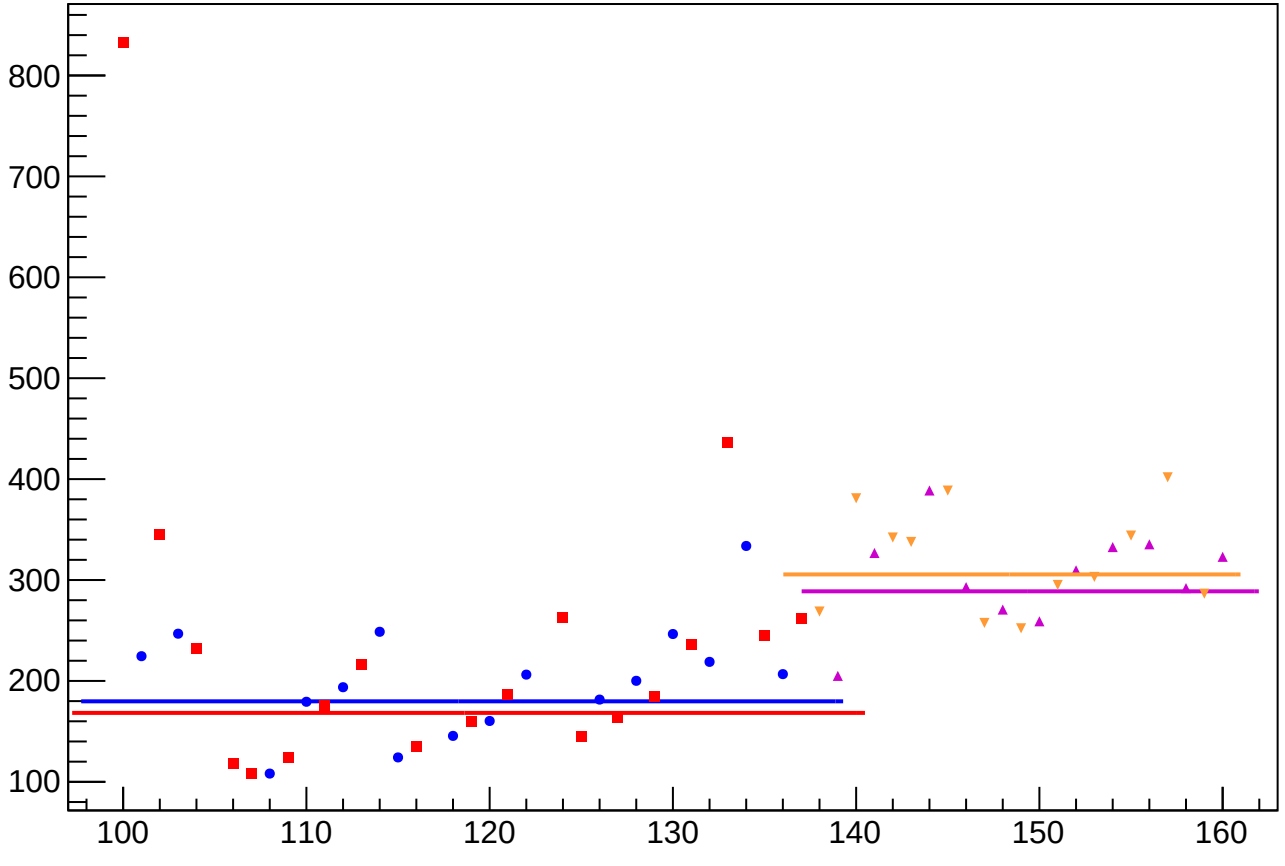
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.081+/-0.056 χ^2/NDF:33.5/30

All: -0.028+/-0.040 χ^2/NDF: 60.7/57

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 305.547+/-0.071 χ^2/NDF:445562.3/11

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

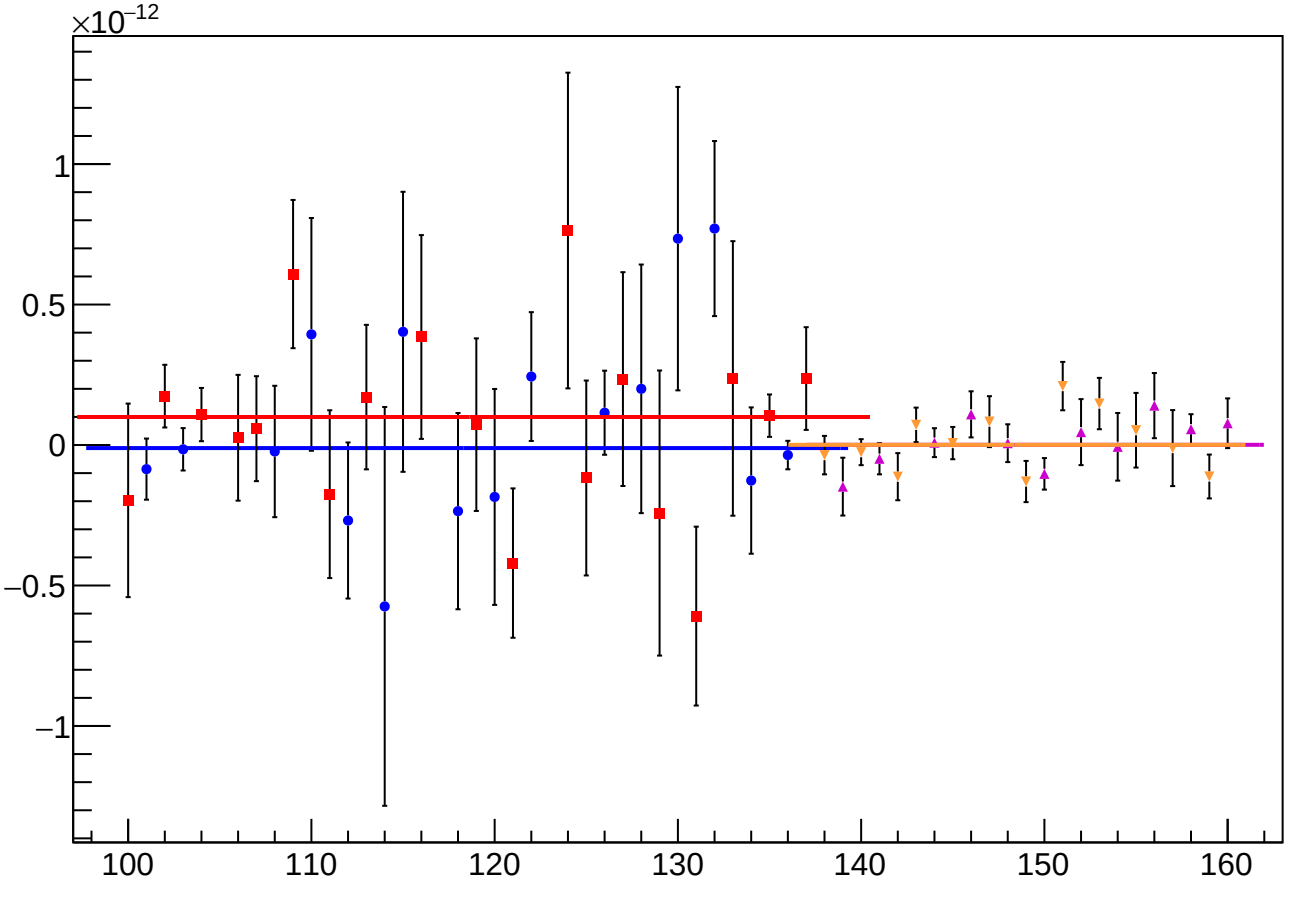
Left: 296.726+/-0.049 χ^2/NDF: 989293.0/22

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.247+/-0.040 χ^2/NDF:3116299.8/26

Out: 210.892+/-0.040 χ^2/NDF:4408022.8/30

All: 214.530+/-0.028 χ^2/NDF: 7541283.2/57



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:11.5/10

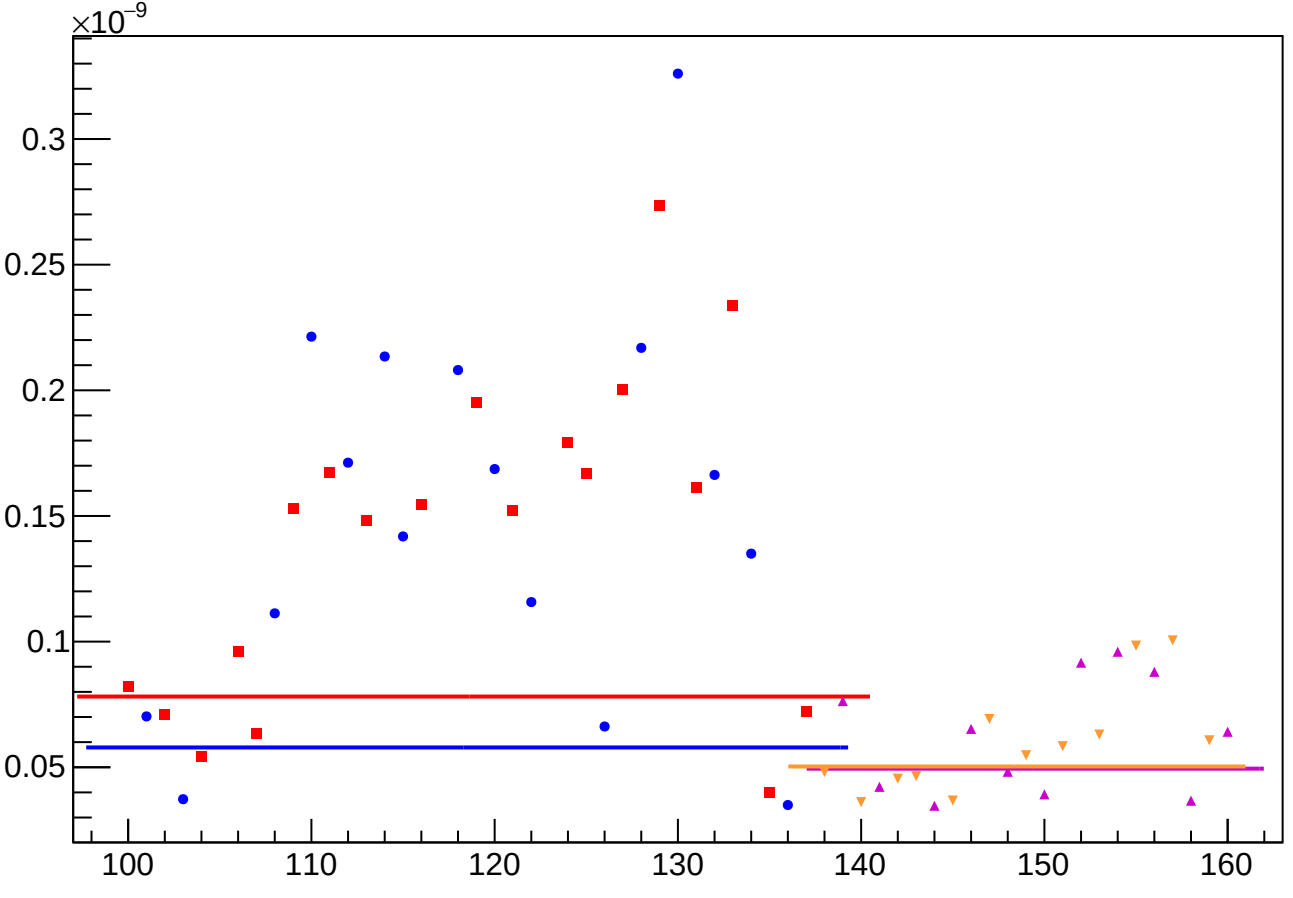
Left: 0.000+/-0.000 χ^2/NDF: 30.0/22

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:26.6/26

Out: 0.000+/-0.000 χ^2/NDF:41.3/30

All: 0.000+/-0.000 χ^2/NDF: 68.7/57



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:1422644.6/10

Left: 0.000+/-0.000 χ^2/NDF: 2463283.6/22

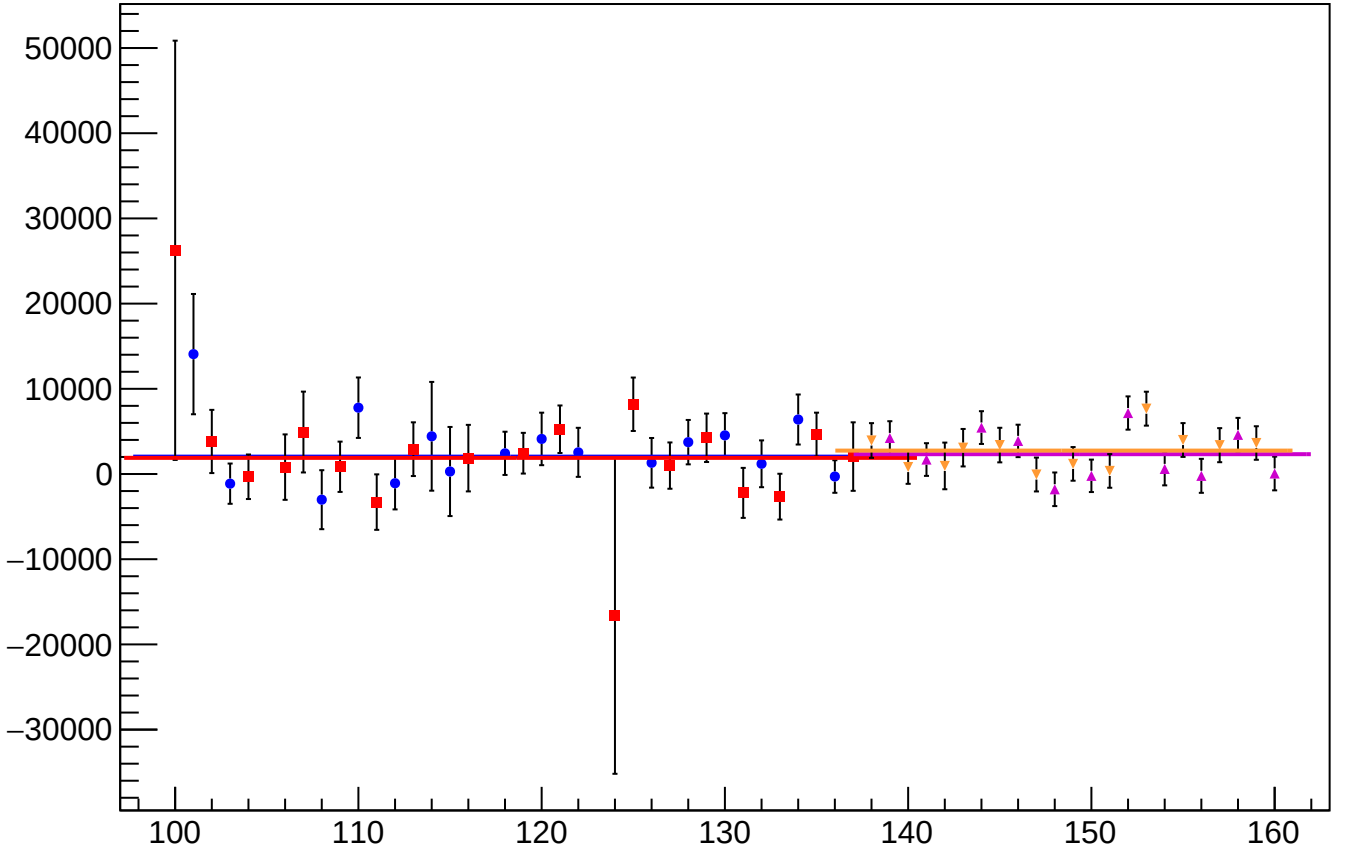
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4829282.6/26

Out: 0.000+/-0.000 χ^2/NDF:4468108.9/30

All: 0.000+/-0.000 χ^2/NDF: 9348449.4/57

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: 2326.646+/-587.131 χ^2/NDF:21.7/10

Left: 2536.050+/-416.597 χ^2/NDF: 34.7/22

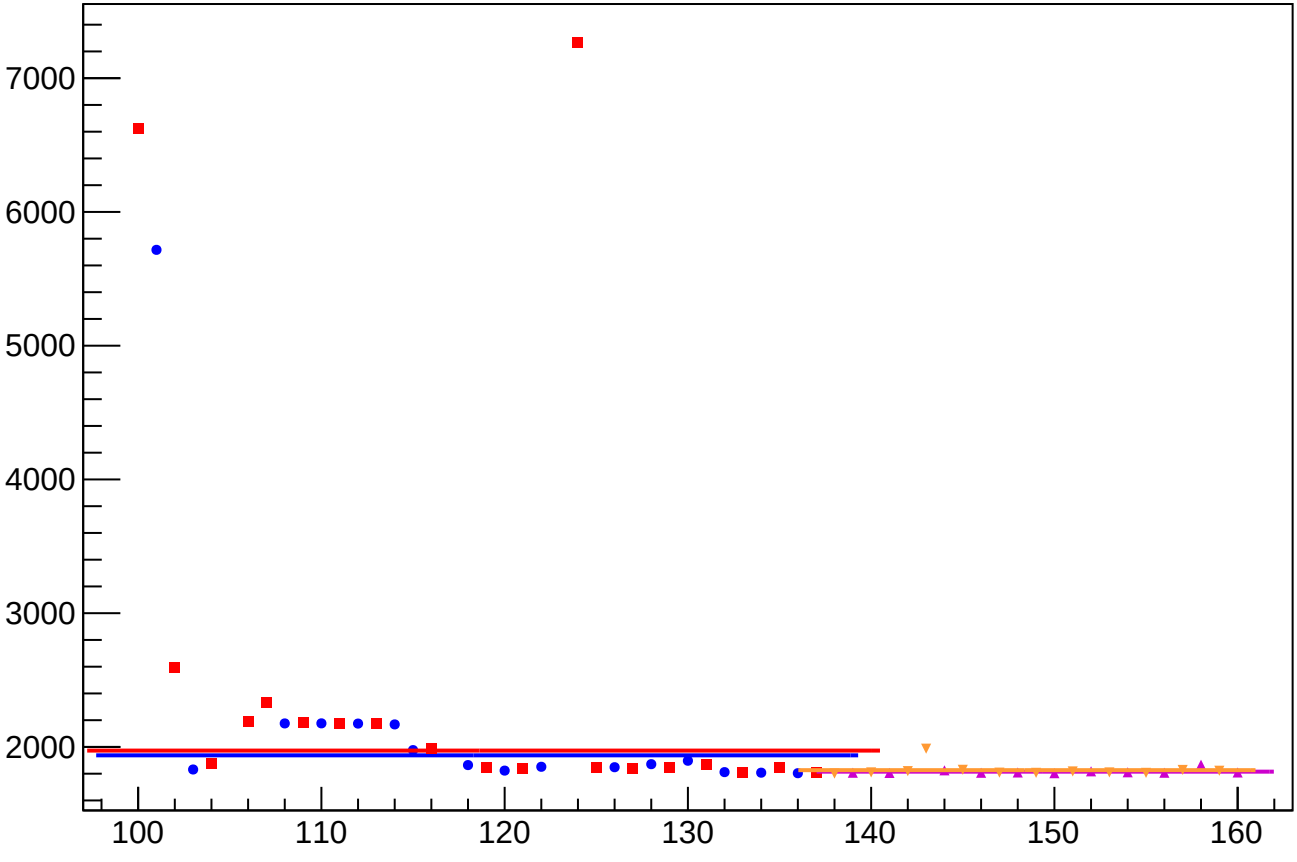
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2214.904+/-459.031 χ^2/NDF:38.2/26

Out: 2414.206+/-461.105 χ^2/NDF:32.1/30

All: 2314.106+/-325.315 χ^2/NDF: 70.4/57

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: 1815.256+/-0.415 χ^2/NDF:1701.6/10

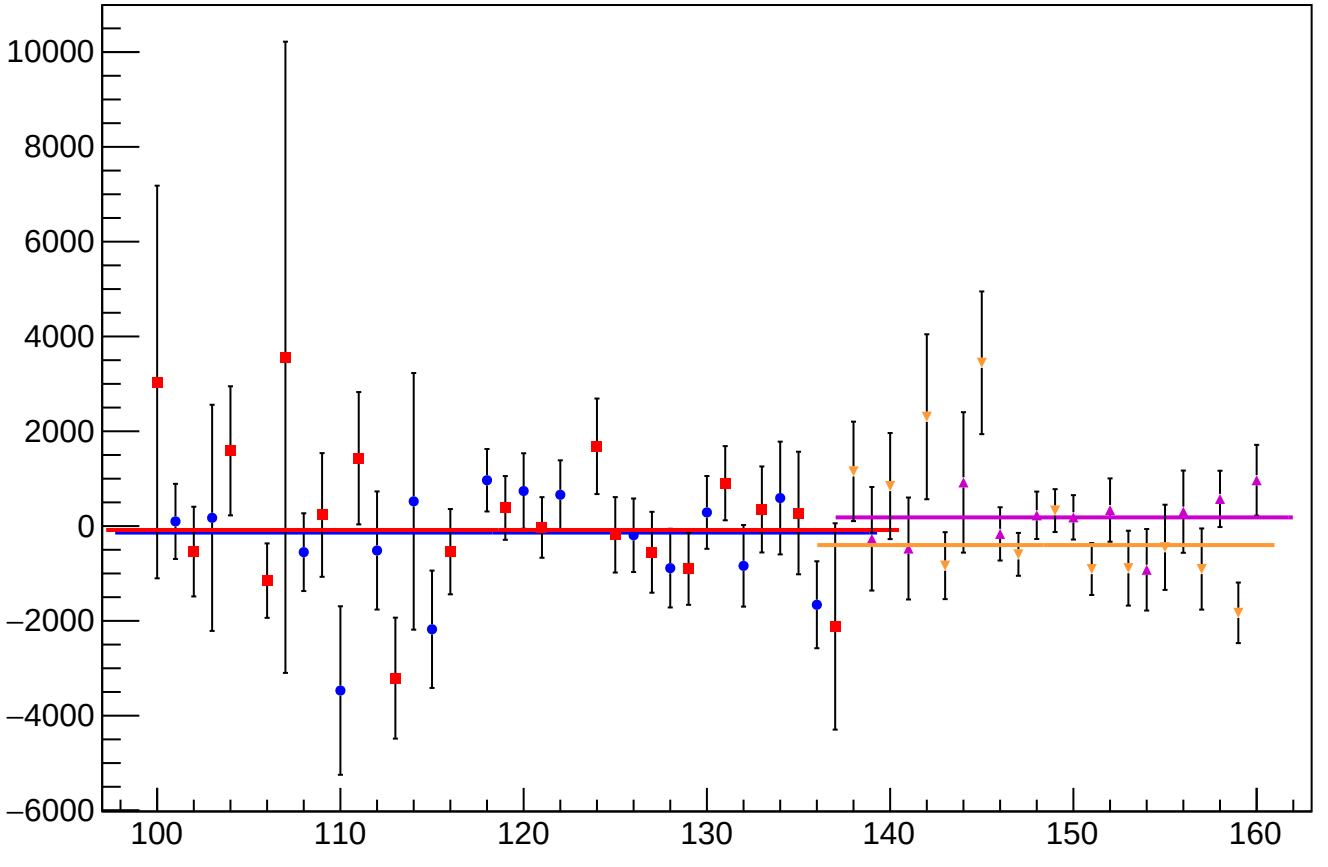
Left: 1820.775+/-0.295 χ^2/NDF: 13986.0/22

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1862.682+/-0.325 χ^2/NDF:673362.1/26

Out: 1883.710+/-0.326 χ^2/NDF:437496.5/30

All: 1873.149+/-0.230 χ^2/NDF: 1112947.7/57



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: 182.882+/-206.583 χ^2/NDF:4.4/10

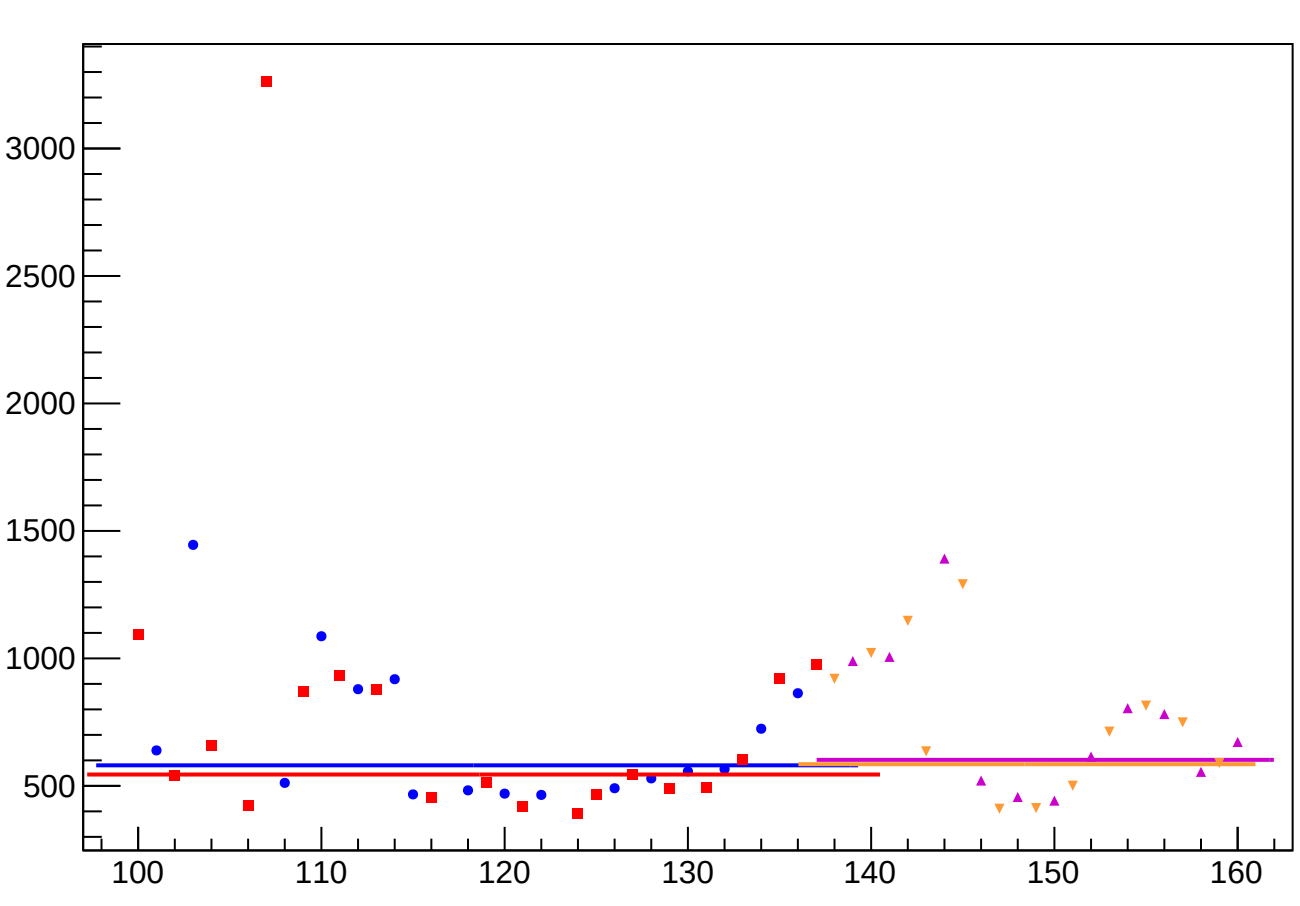
Left: -113.920+/-144.820 χ^2/NDF: 30.6/22

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 40.504+/-153.819 χ^2/NDF:22.4/26

Out: -255.674+/-149.846 χ^2/NDF:43.0/30

All: -111.459+/-107.334 χ^2/NDF: 67.3/57



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: 602.101+/-0.146 χ^2/NDF:1774190.1/10

Left: 593.394+/-0.102 χ^2/NDF: 3839068.5/22

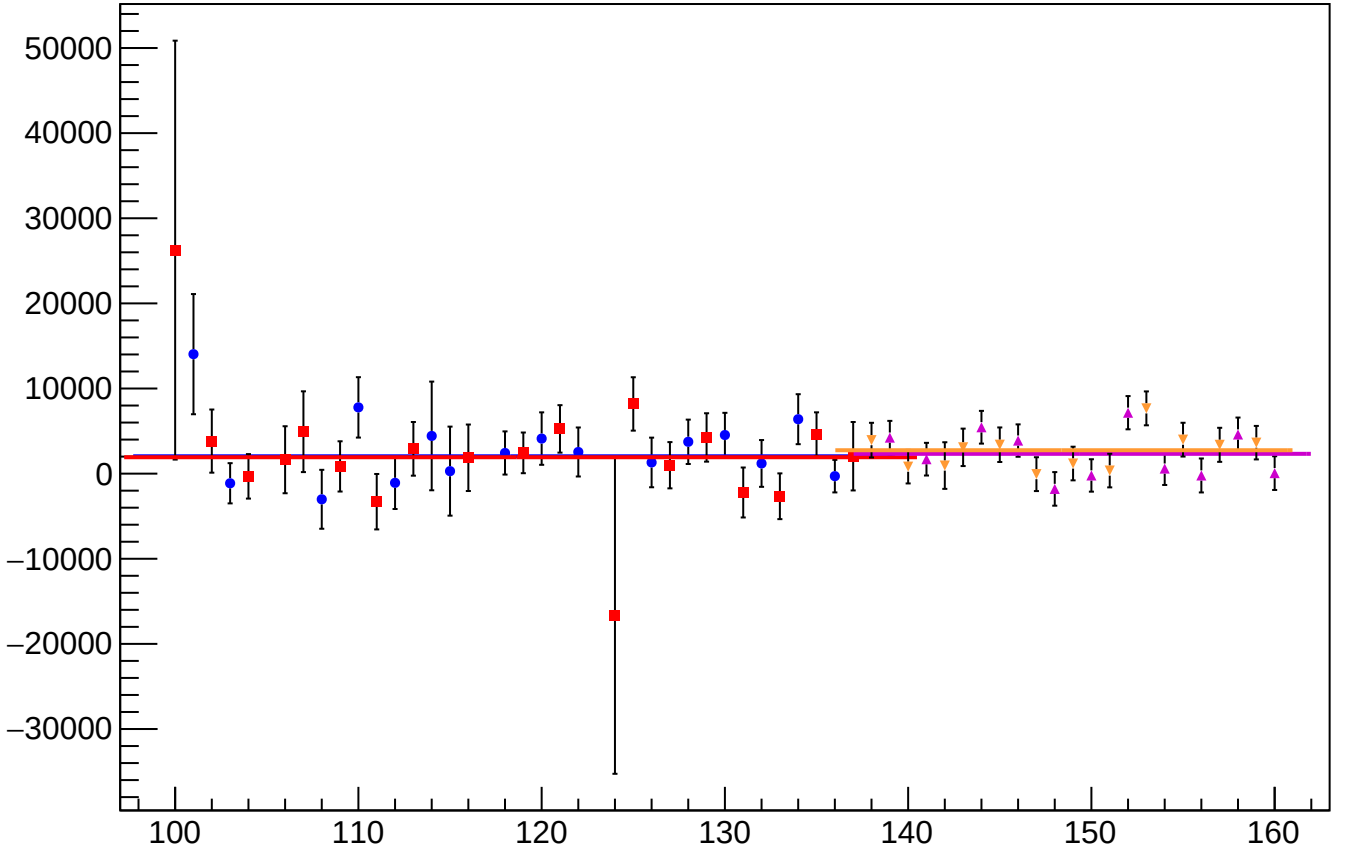
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 592.525+/-0.109 χ^2/NDF:2787245.0/26

Out: 566.555+/-0.106 χ^2/NDF:3381682.4/30

All: 579.200+/-0.076 χ^2/NDF: 6198179.9/57

cor_asym_at1_avg_mean vs Slug, Sign Corrected



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: 2326.741+/-587.131 χ^2/NDF:21.7/10

Left: 2536.082+/-416.597 χ^2/NDF: 34.7/22

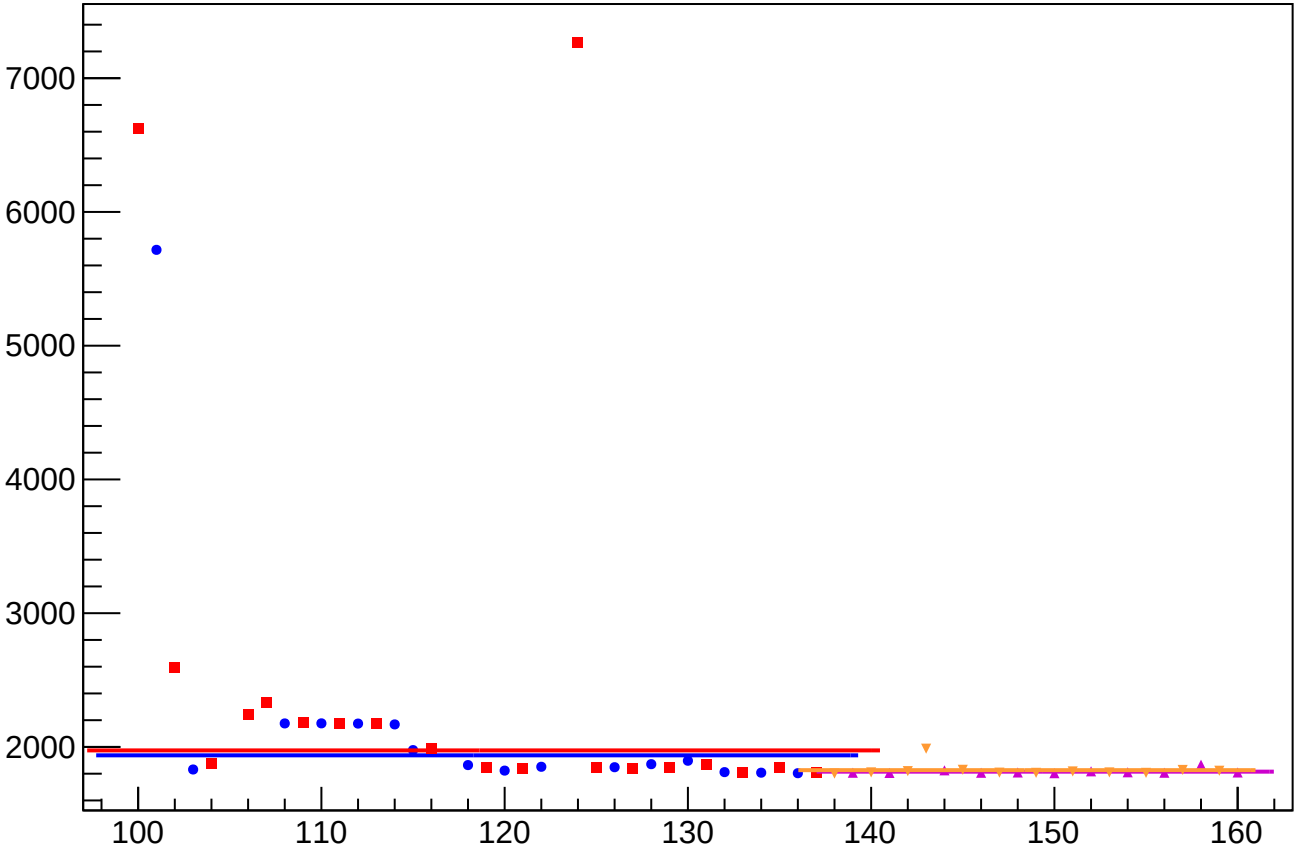
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2214.818+/-459.031 χ^2/NDF:38.2/26

Out: 2426.683+/-461.264 χ^2/NDF:31.9/30

All: 2320.236+/-325.370 χ^2/NDF: 70.2/57

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: 1815.256+/-0.415 χ^2/NDF:1701.6/10

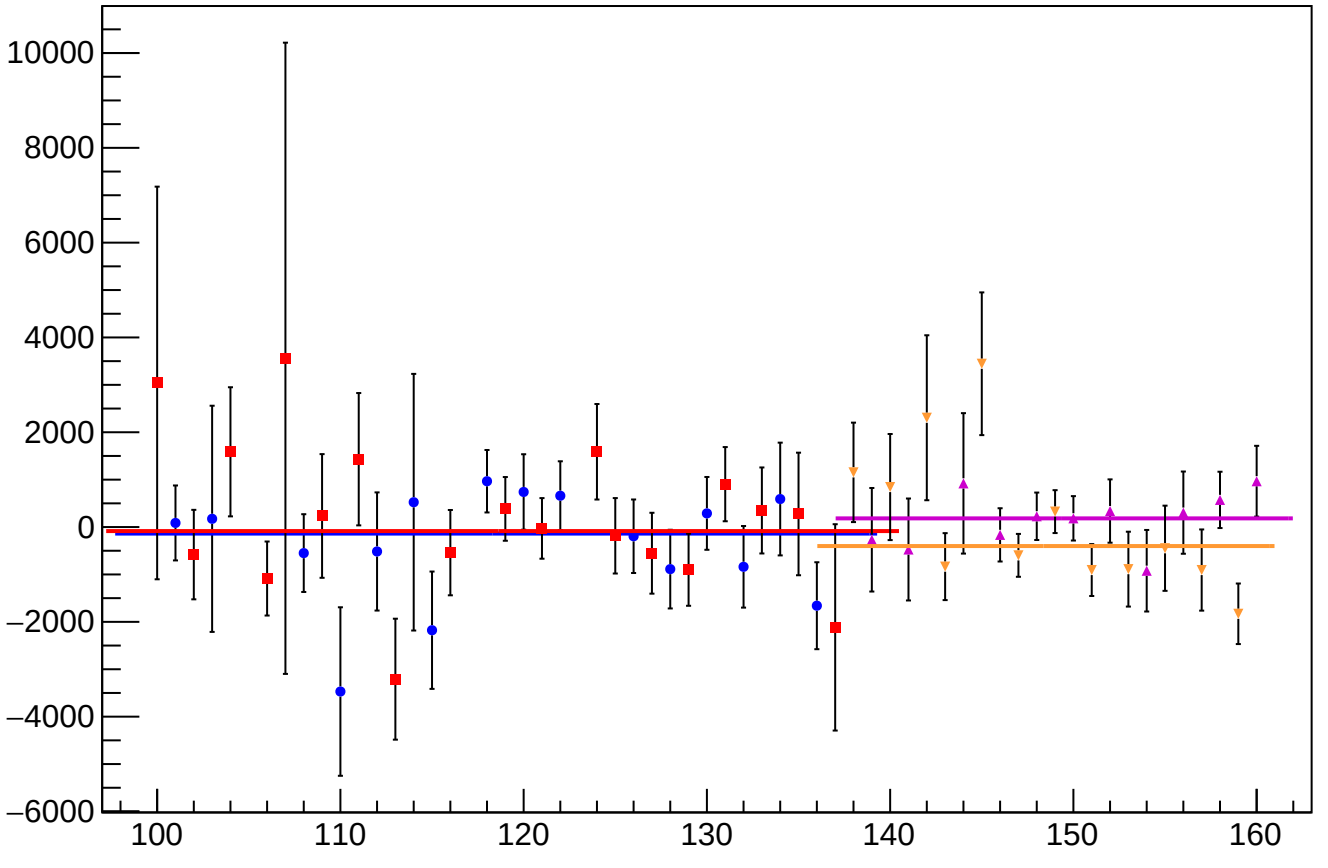
Left: 1820.775+/-0.295 χ^2/NDF: 13986.0/22

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1862.682+/-0.325 χ^2/NDF:673362.1/26

Out: 1884.195+/-0.326 χ^2/NDF:441257.2/30

All: 1873.386+/-0.230 χ^2/NDF: 1116804.9/57



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: 182.870+/-206.585 χ^2/NDF:4.4/10

Left: -114.033+/-144.821 χ^2/NDF: 30.6/22

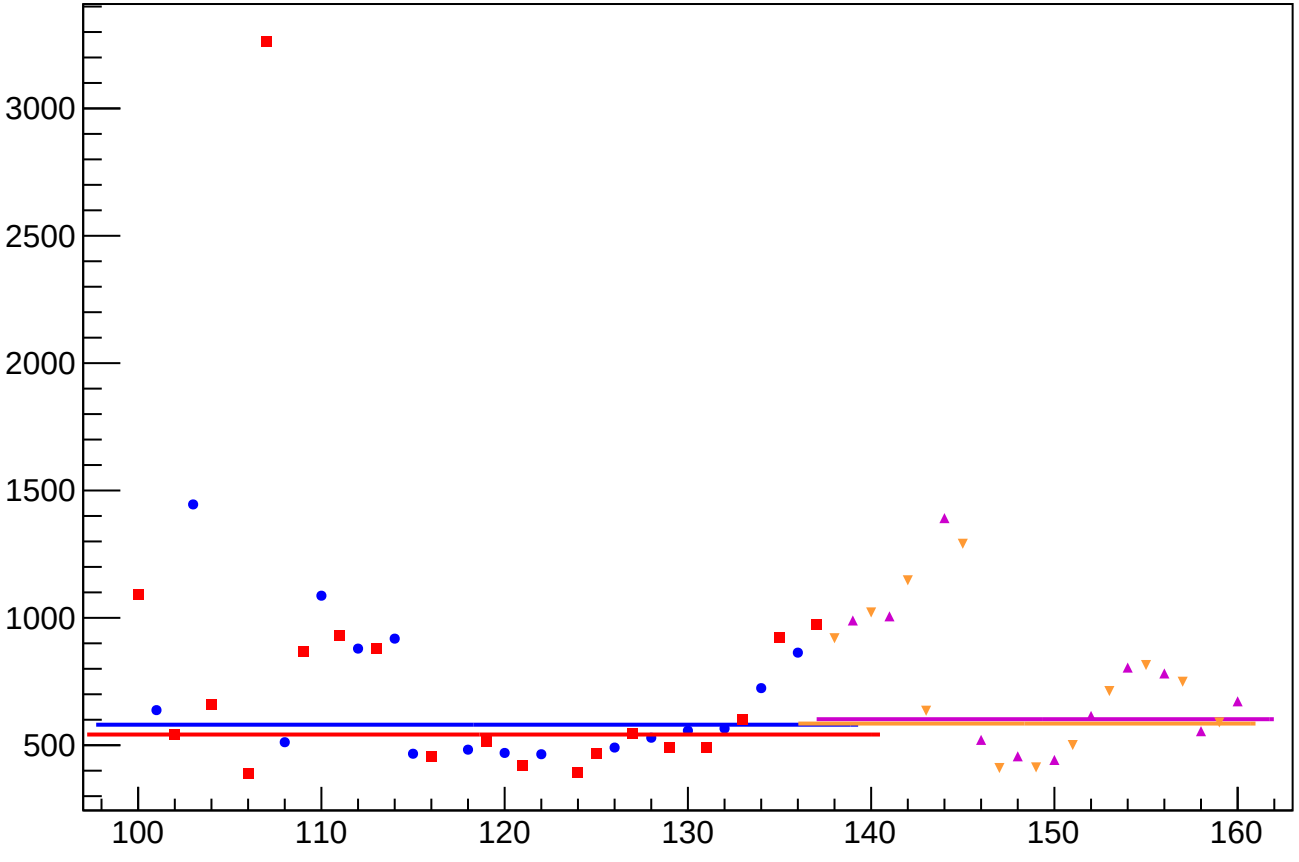
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 40.085+/-153.805 χ^2/NDF:22.4/26

Out: -256.897+/-149.804 χ^2/NDF:42.5/30

All: -112.319+/-107.314 χ^2/NDF: 66.8/57

asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected



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: 602.105+/-0.146 χ^2/NDF:1774245.2/10

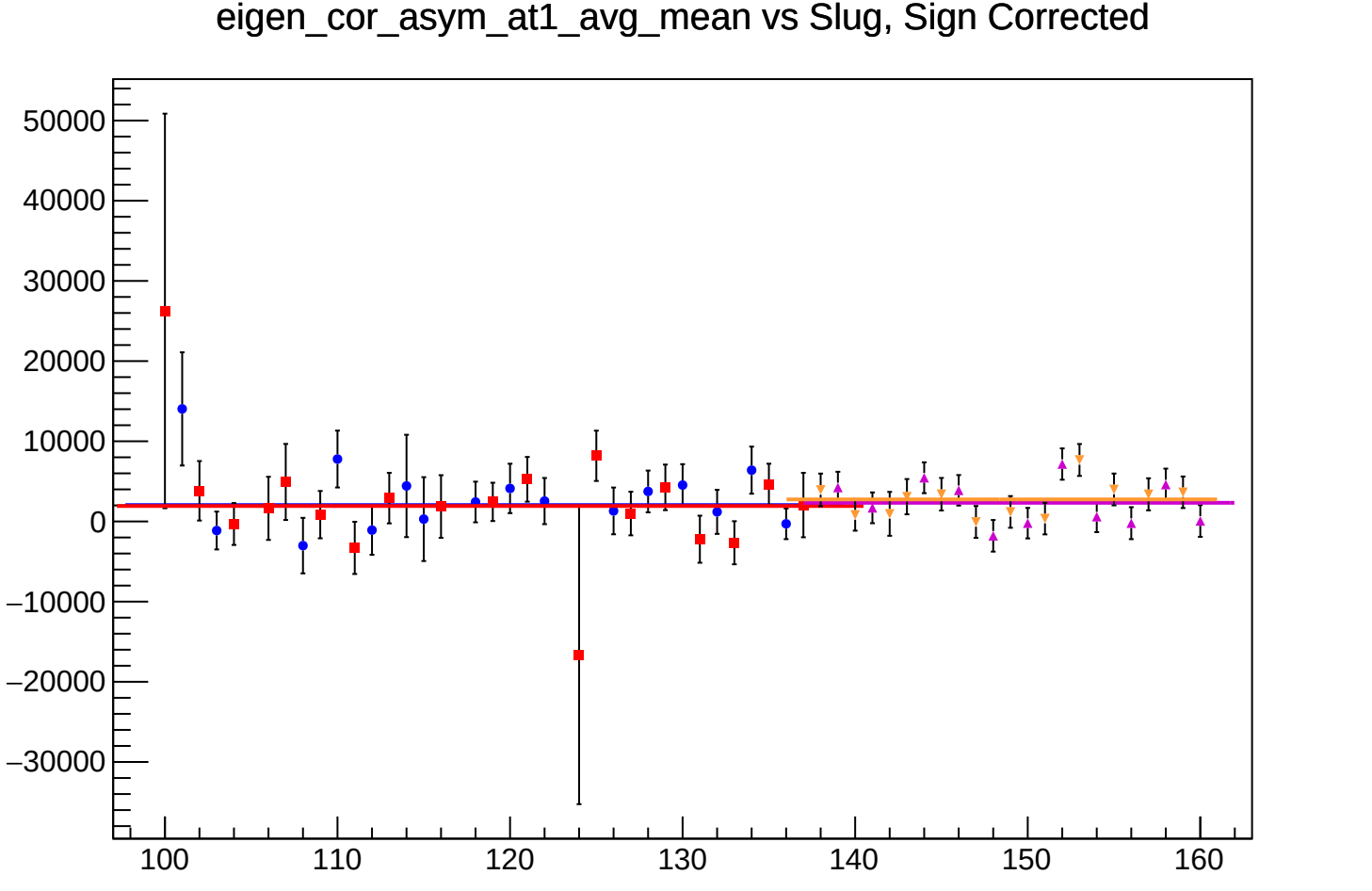
Left: 593.398+/-0.102 χ^2/NDF: 3839207.8/22

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 592.484+/-0.109 χ^2/NDF:2786878.7/26

Out: 565.362+/-0.106 χ^2/NDF:3417786.8/30

All: 578.566+/-0.076 χ^2/NDF: 6236580.7/57



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: 2326.741+/-587.131 χ^2/NDF:21.7/10

Left: 2536.082+/-416.597 χ^2/NDF: 34.7/22

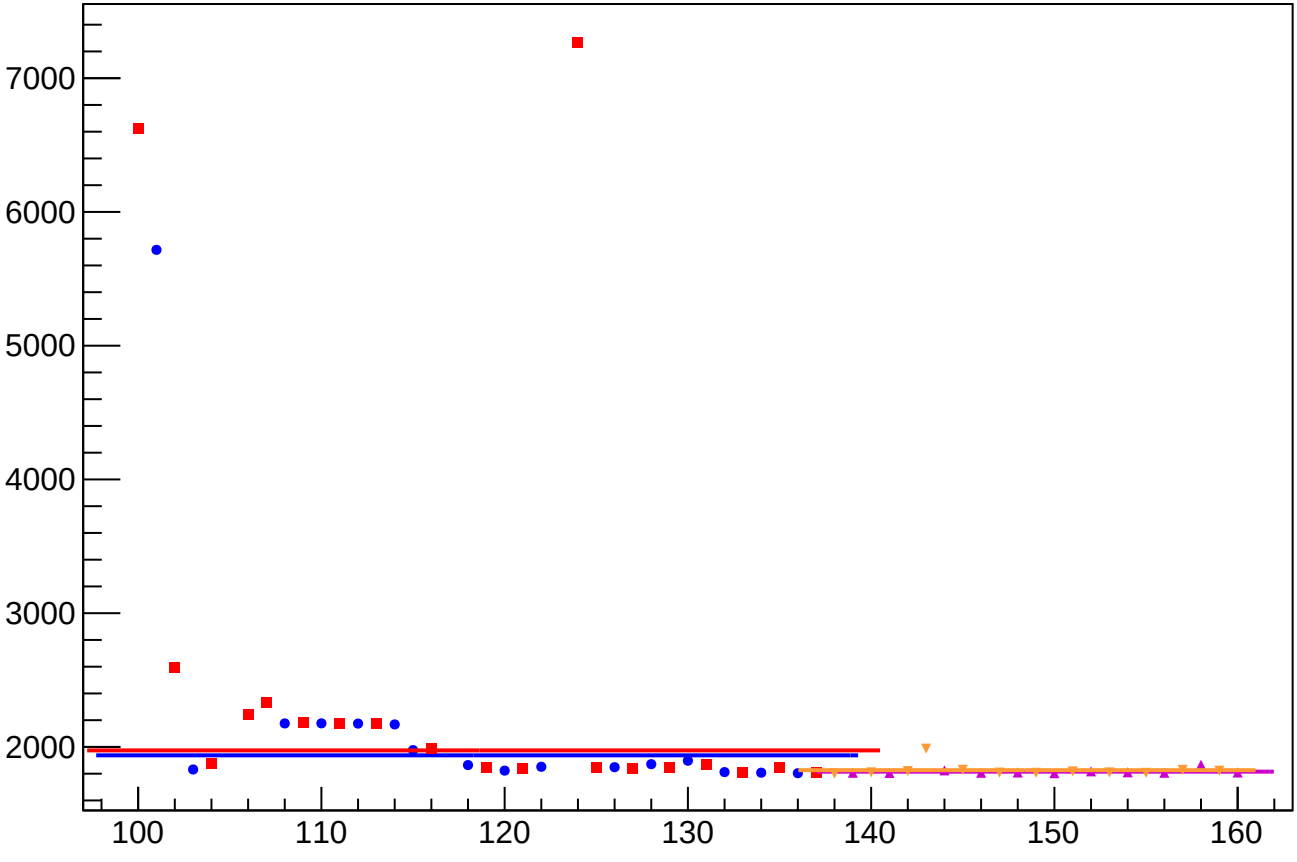
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2214.818+/-459.031 χ^2/NDF:38.2/26

Out: 2426.683+/-461.264 χ^2/NDF:31.9/30

All: 2320.236+/-325.370 χ^2/NDF: 70.2/57

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: 1815.256+/-0.415 χ^2/NDF:1701.6/10

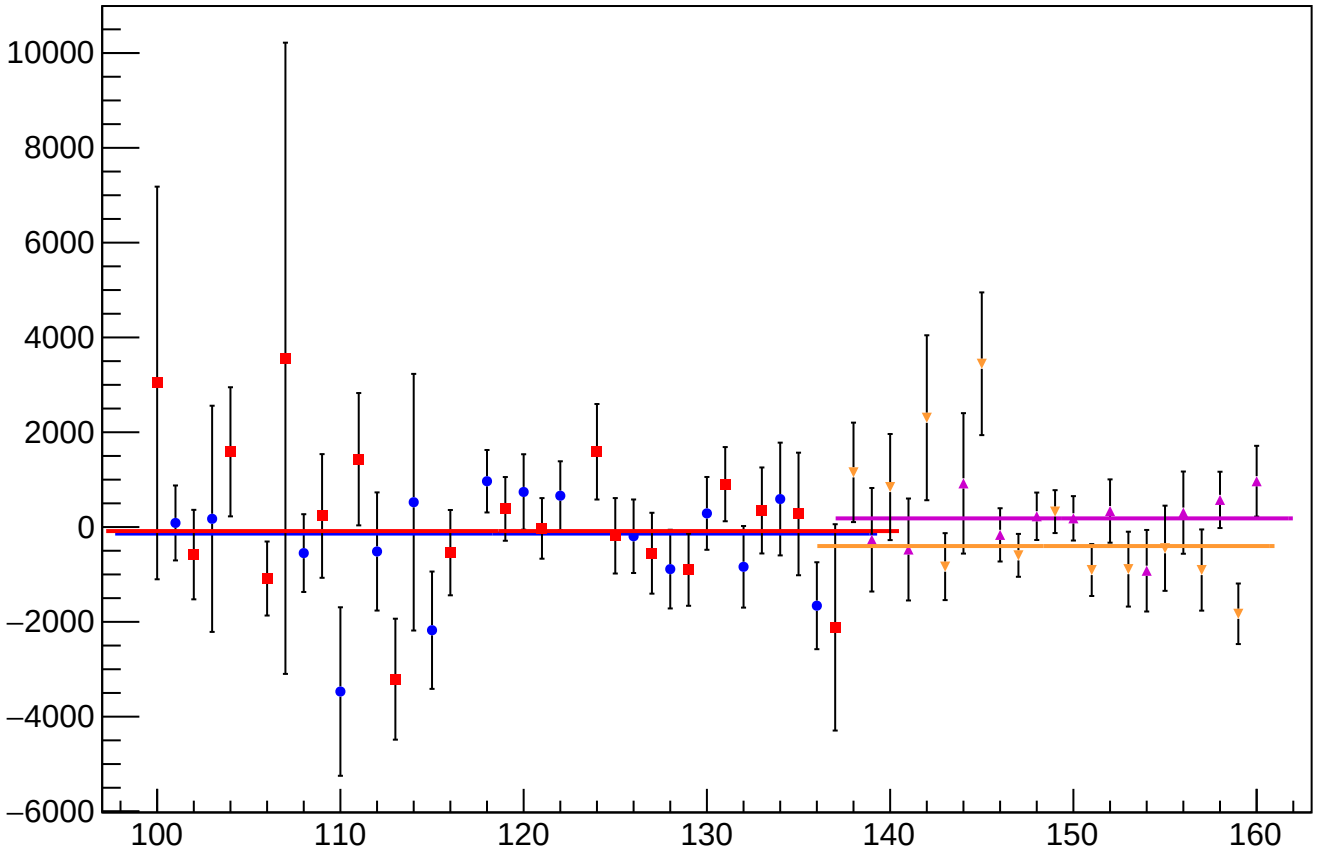
Left: 1820.775+/-0.295 χ^2/NDF: 13986.0/22

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1862.682+/-0.325 χ^2/NDF:673362.1/26

Out: 1884.195+/-0.326 χ^2/NDF:441257.2/30

All: 1873.386+/-0.230 χ^2/NDF: 1116804.9/57



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: 182.870+/-206.585 χ^2/NDF:4.4/10

Left: -114.033+/-144.821 χ^2/NDF: 30.6/22

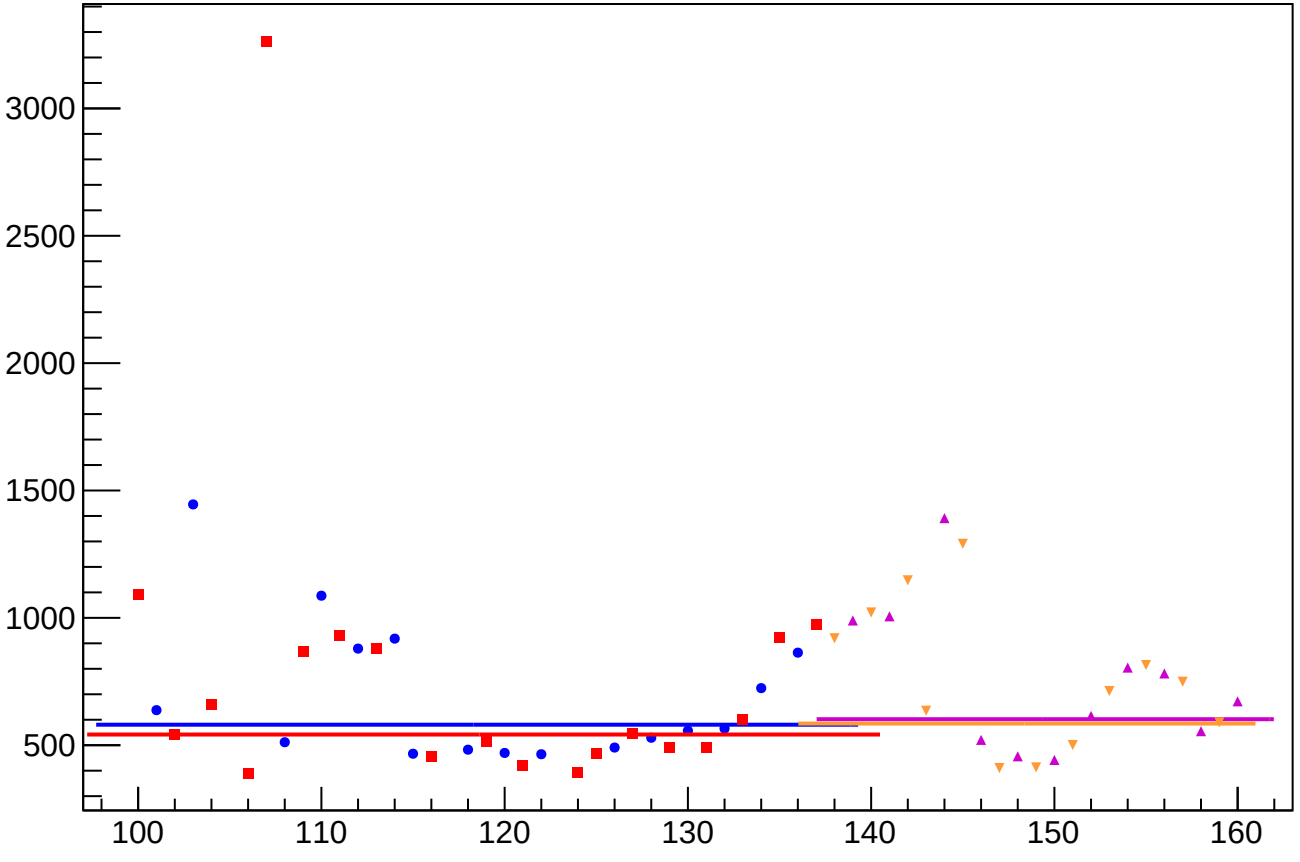
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 40.085+/-153.805 χ^2/NDF:22.4/26

Out: -256.897+/-149.804 χ^2/NDF:42.5/30

All: -112.319+/-107.314 χ^2/NDF: 66.8/57

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 602.105+/-0.146 χ^2/NDF:1774245.2/10

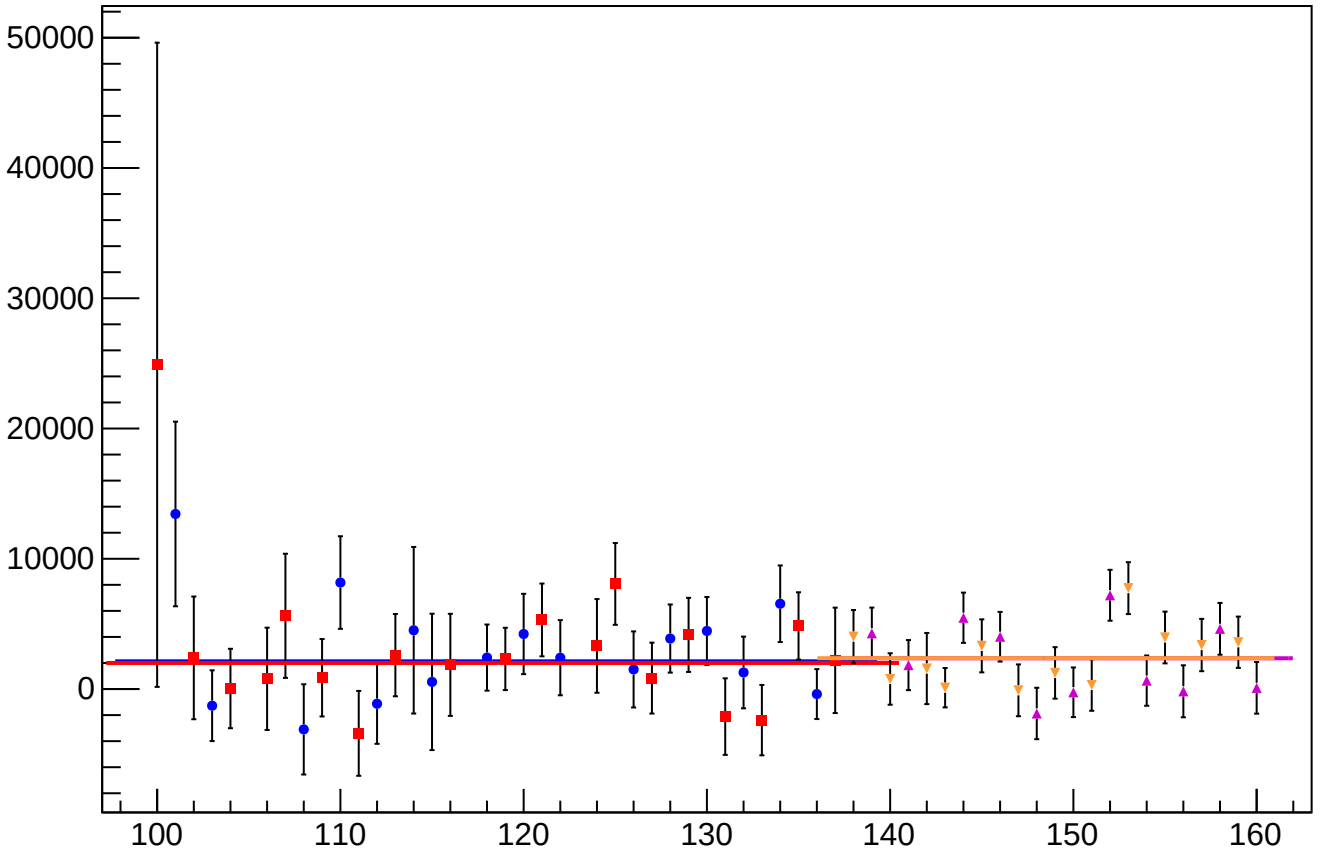
Left: 593.398+/-0.102 χ^2/NDF: 3839207.8/22

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 592.484+/-0.109 χ^2/NDF:2786878.7/26

Out: 565.362+/-0.106 χ^2/NDF:3417786.8/30

All: 578.566+/-0.076 χ^2/NDF: 6236580.7/57



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: 2362.790+/-587.810 χ^2/NDF:22.0/10

Left: 2365.877+/-408.913 χ^2/NDF: 37.4/22

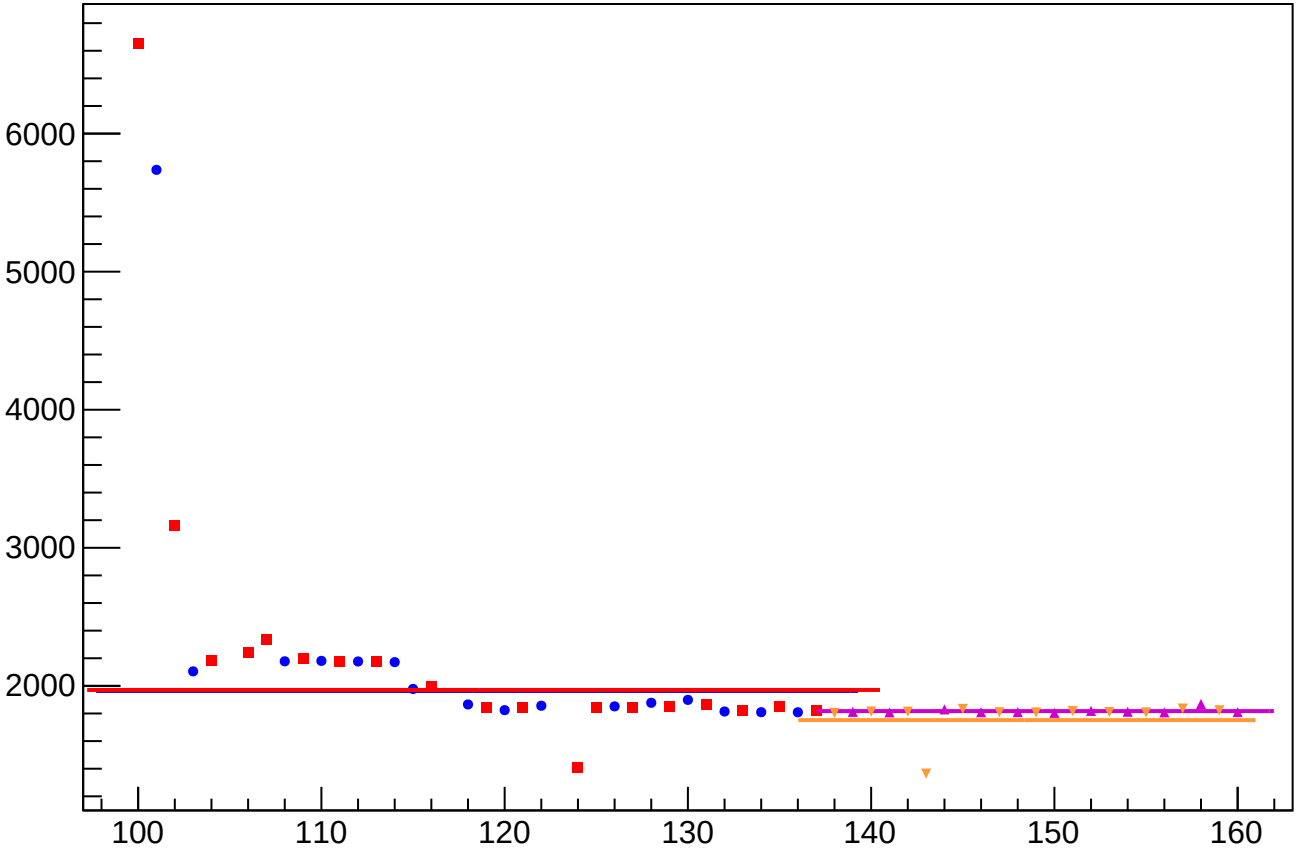
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2273.177+/-461.761 χ^2/NDF:38.6/26

Out: 2231.861+/-450.541 χ^2/NDF:32.3/30

All: 2252.011+/-322.475 χ^2/NDF: 70.8/57

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: 1817.325+/-0.416 χ^2/NDF:1732.5/10

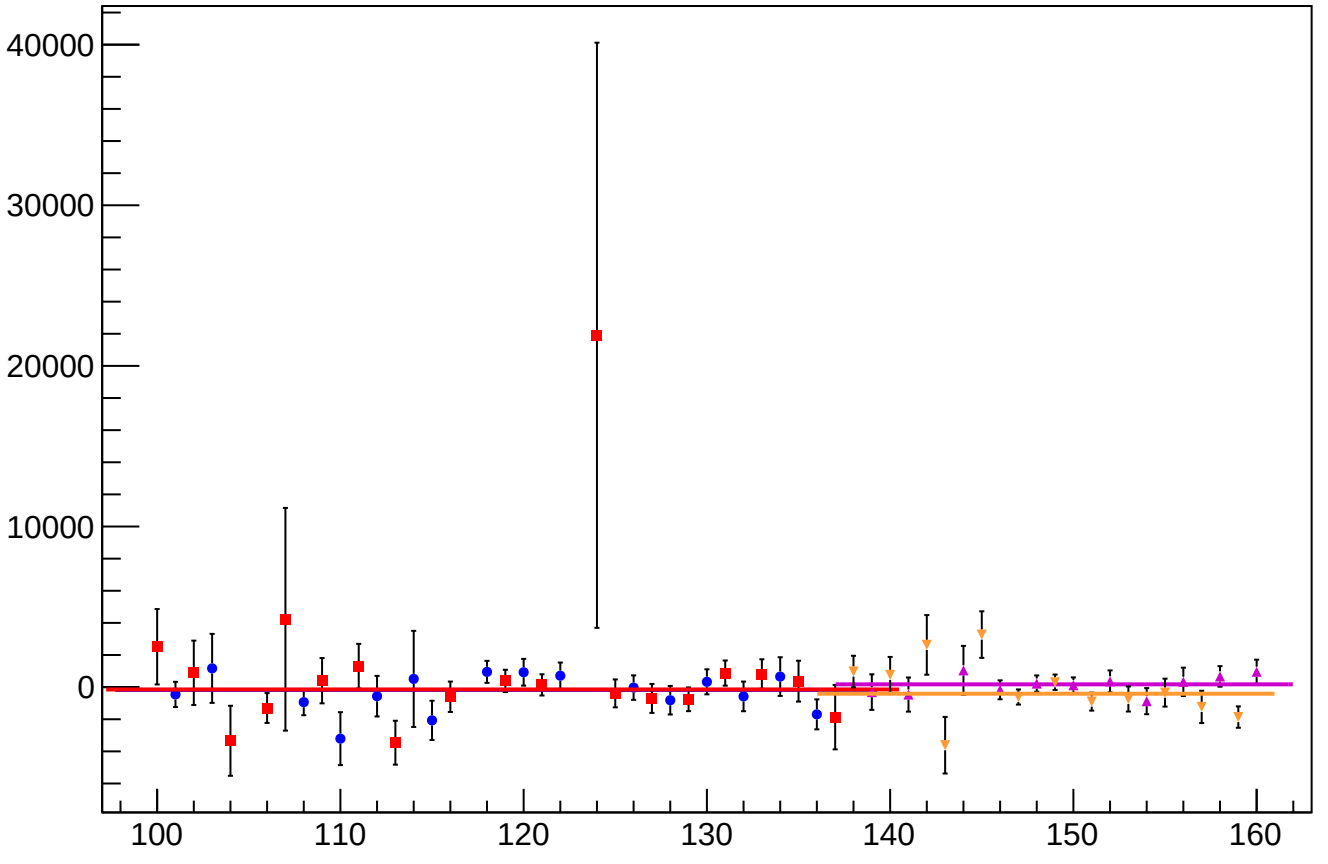
Left: 1783.519+/-0.289 χ^2/NDF: 168713.2/22

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1873.262+/-0.327 χ^2/NDF:689287.9/26

Out: 1833.483+/-0.319 χ^2/NDF:609511.6/30

All: 1852.883+/-0.228 χ^2/NDF: 1306403.1/57



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: 174.299+/-211.754 χ^2/NDF:4.7/10

Left: -109.874+/-151.731 χ^2/NDF: 32.7/22

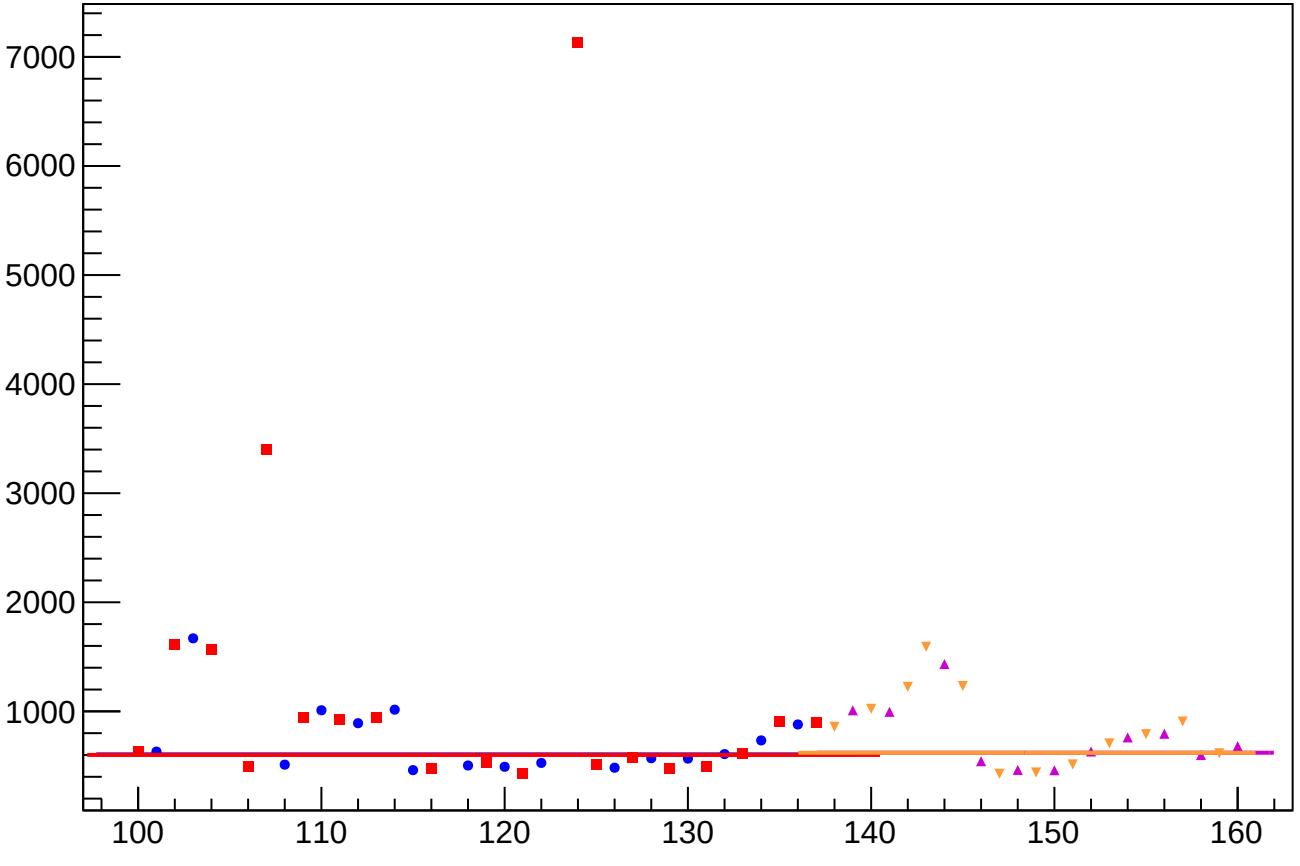
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 21.051+/-157.880 χ^2/NDF:23.1/26

Out: -293.000+/-162.029 χ^2/NDF:45.0/30

All: -131.903+/-113.076 χ^2/NDF: 70.0/57

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: 620.867+/-0.150 χ^2/NDF:1665766.2/10

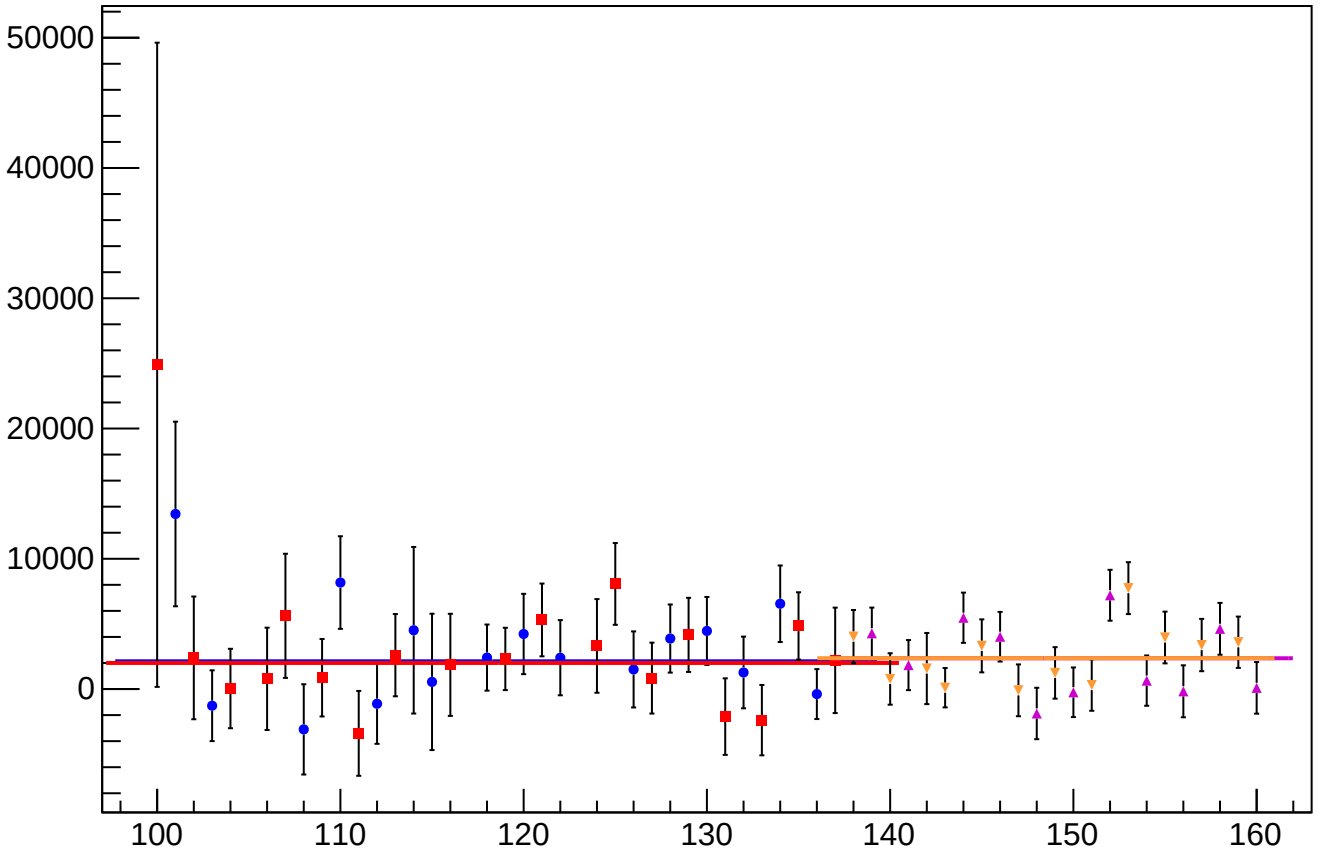
Left: 620.511+/-0.107 χ^2/NDF: 4169328.5/22

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 614.011+/-0.112 χ^2/NDF:2832941.0/26

Out: 611.371+/-0.115 χ^2/NDF:4839369.1/30

All: 612.725+/-0.080 χ^2/NDF: 7672582.4/57



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: 2362.790+/-587.810 χ^2/NDF:22.0/10

Left: 2365.877+/-408.913 χ^2/NDF: 37.4/22

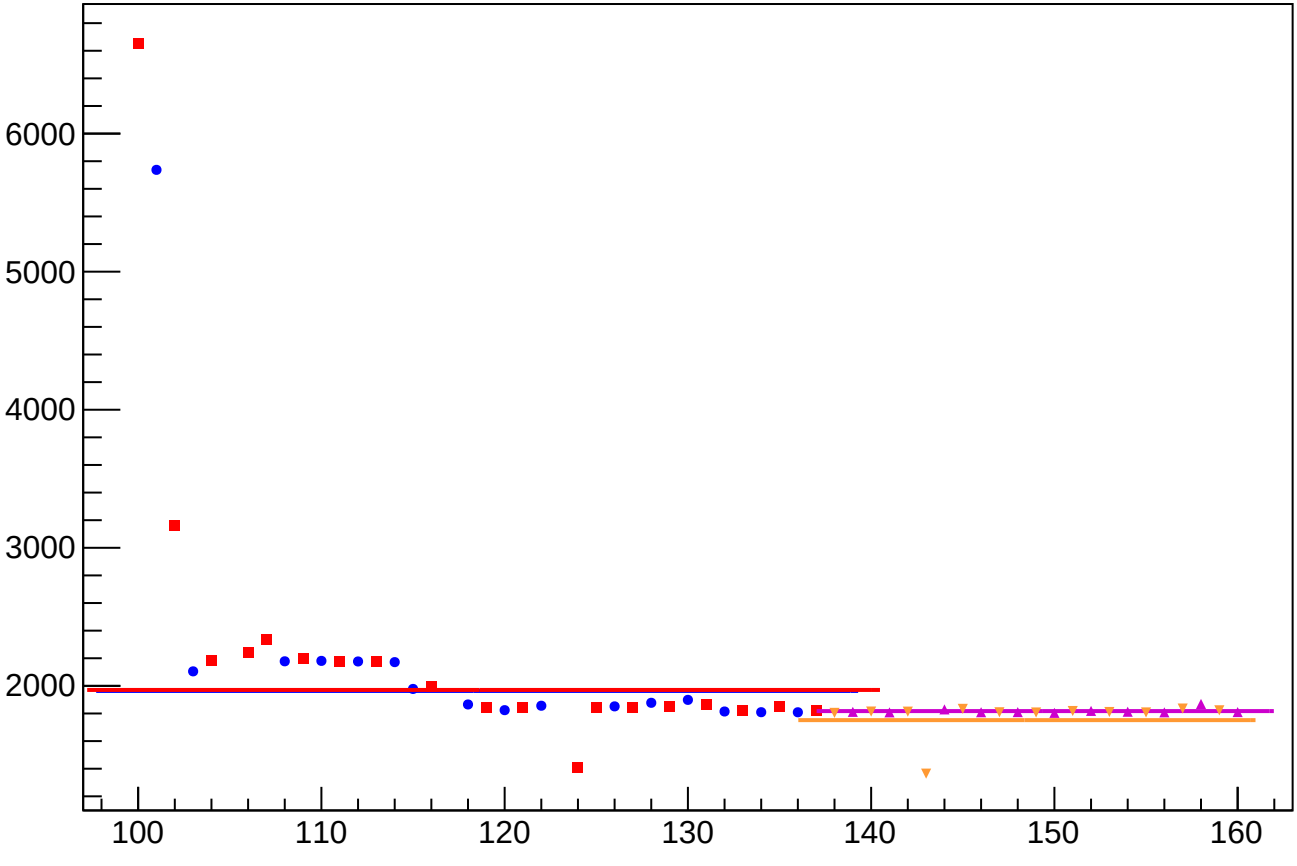
Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2273.176+/-461.761 χ^2/NDF:38.6/26

Out: 2231.860+/-450.541 χ^2/NDF:32.3/30

All: 2252.010+/-322.475 χ^2/NDF: 70.8/57

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1817.325+/-0.416 χ^2/NDF:1732.5/10

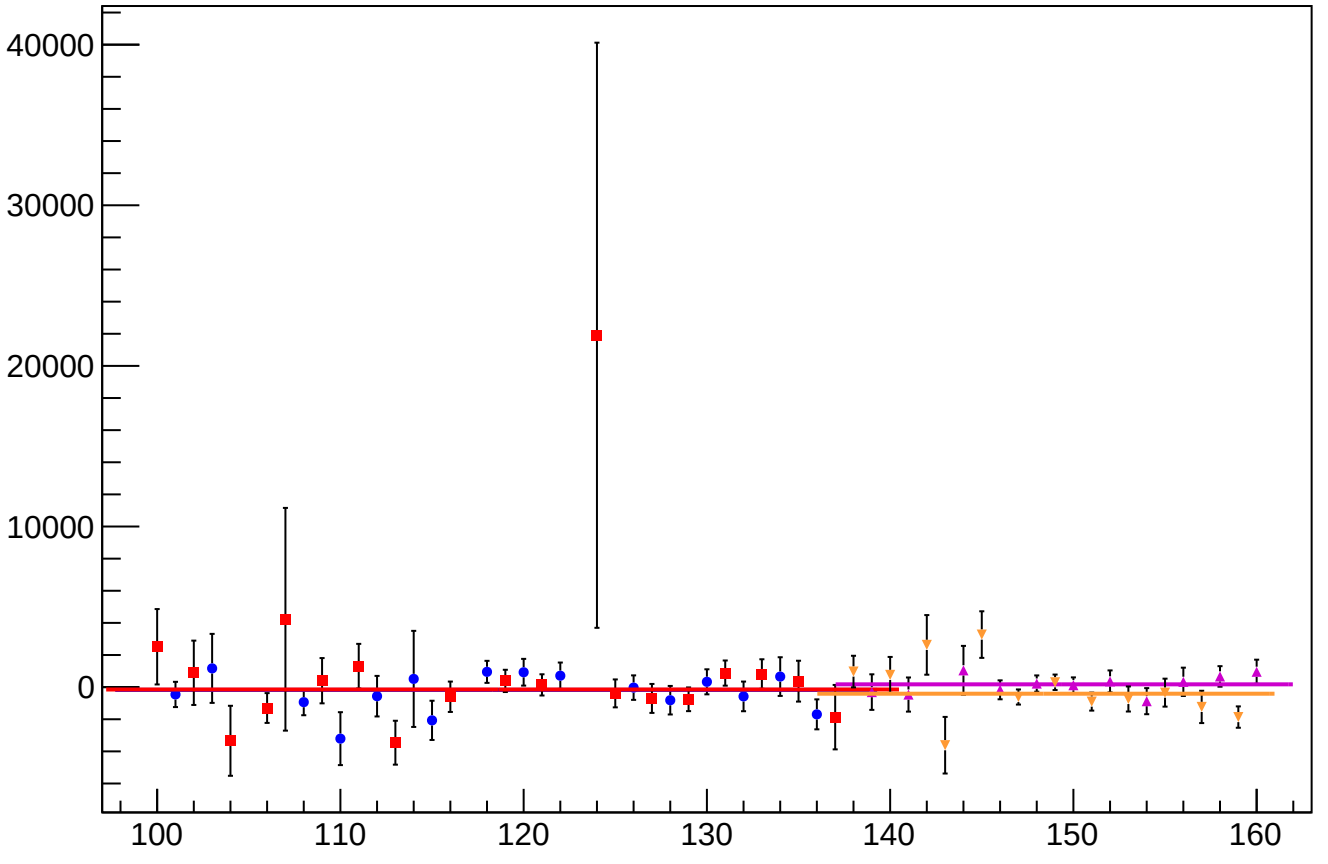
Left: 1783.519+/-0.289 χ^2/NDF: 168713.2/22

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1873.261+/-0.327 χ^2/NDF:689287.5/26

Out: 1833.483+/-0.319 χ^2/NDF:609510.0/30

All: 1852.883+/-0.228 χ^2/NDF: 1306401.1/57



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: 174.299+/-211.754 χ^2/NDF:4.7/10

Left: -109.874+/-151.732 χ^2/NDF: 32.7/22

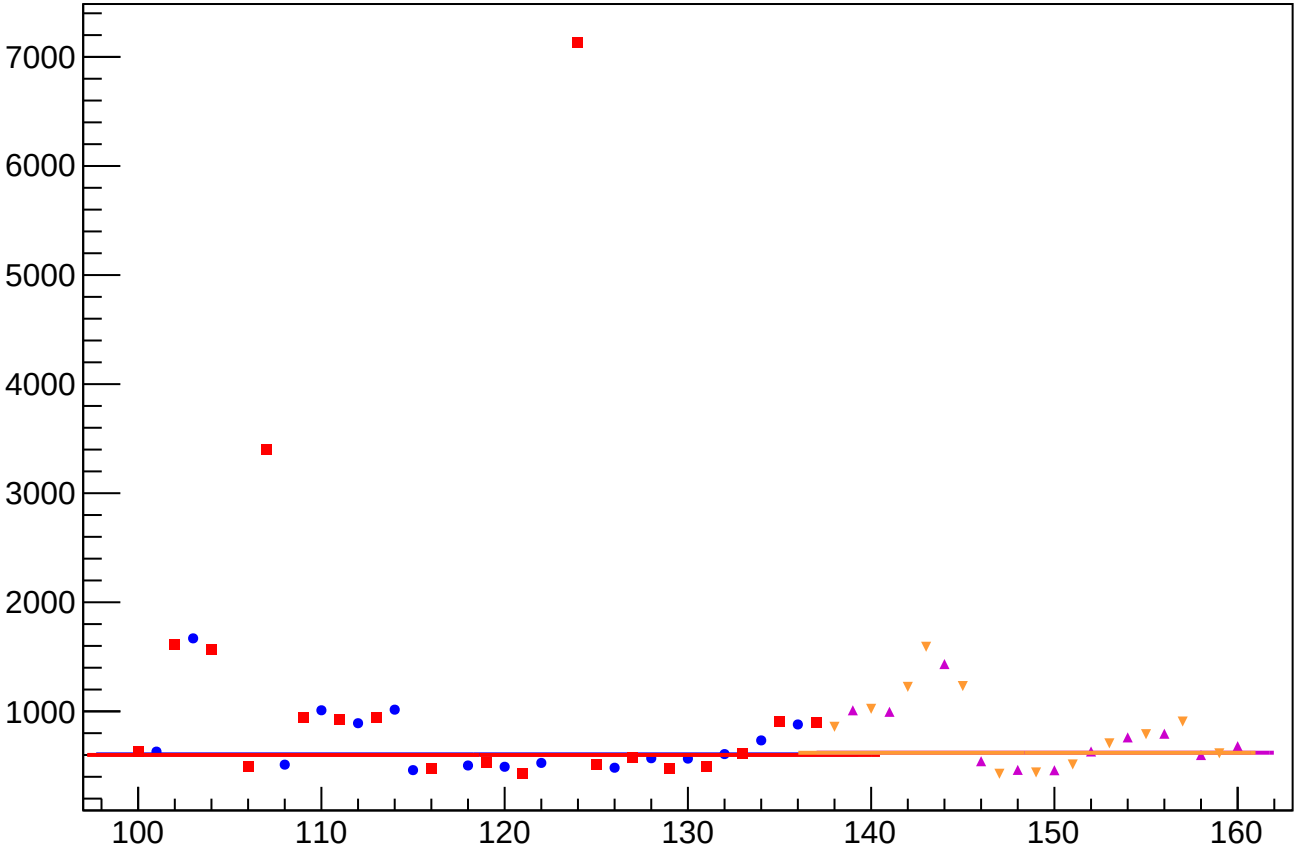
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 21.051+/-157.880 χ^2/NDF:23.1/26

Out: -292.999+/-162.029 χ^2/NDF:45.0/30

All: -131.903+/-113.076 χ^2/NDF: 70.0/57

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: 620.868+/-0.150 χ^2/NDF:1665760.8/10

Left: 620.512+/-0.107 χ^2/NDF: 4169314.8/22

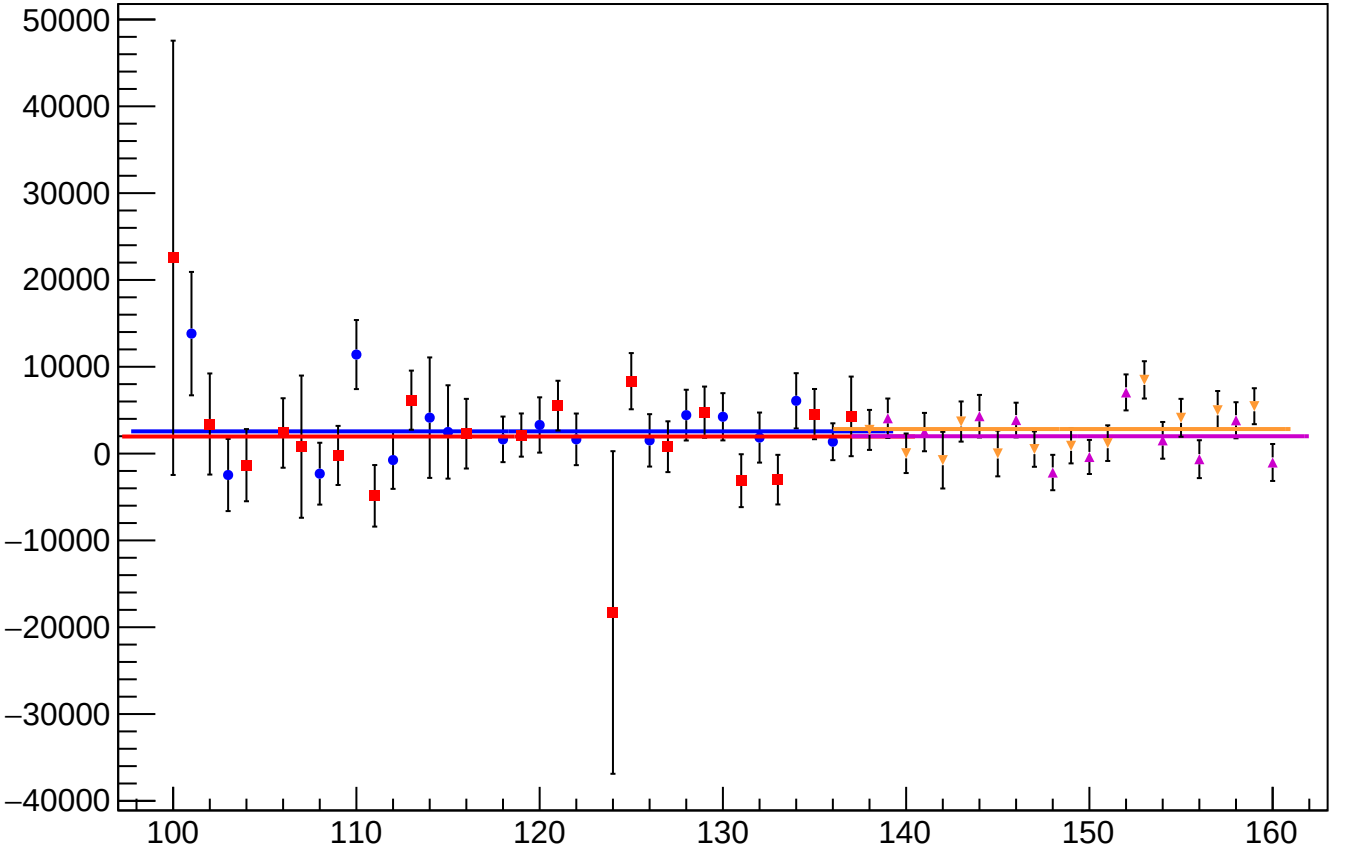
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 614.011+/-0.112 χ^2/NDF:2832944.9/26

Out: 611.372+/-0.115 χ^2/NDF:4839370.2/30

All: 612.726+/-0.080 χ^2/NDF: 7672587.3/57

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: 1997.797+/-640.889 χ^2/NDF:18.6/10

Left: 2408.965+/-455.335 χ^2/NDF: 36.1/22

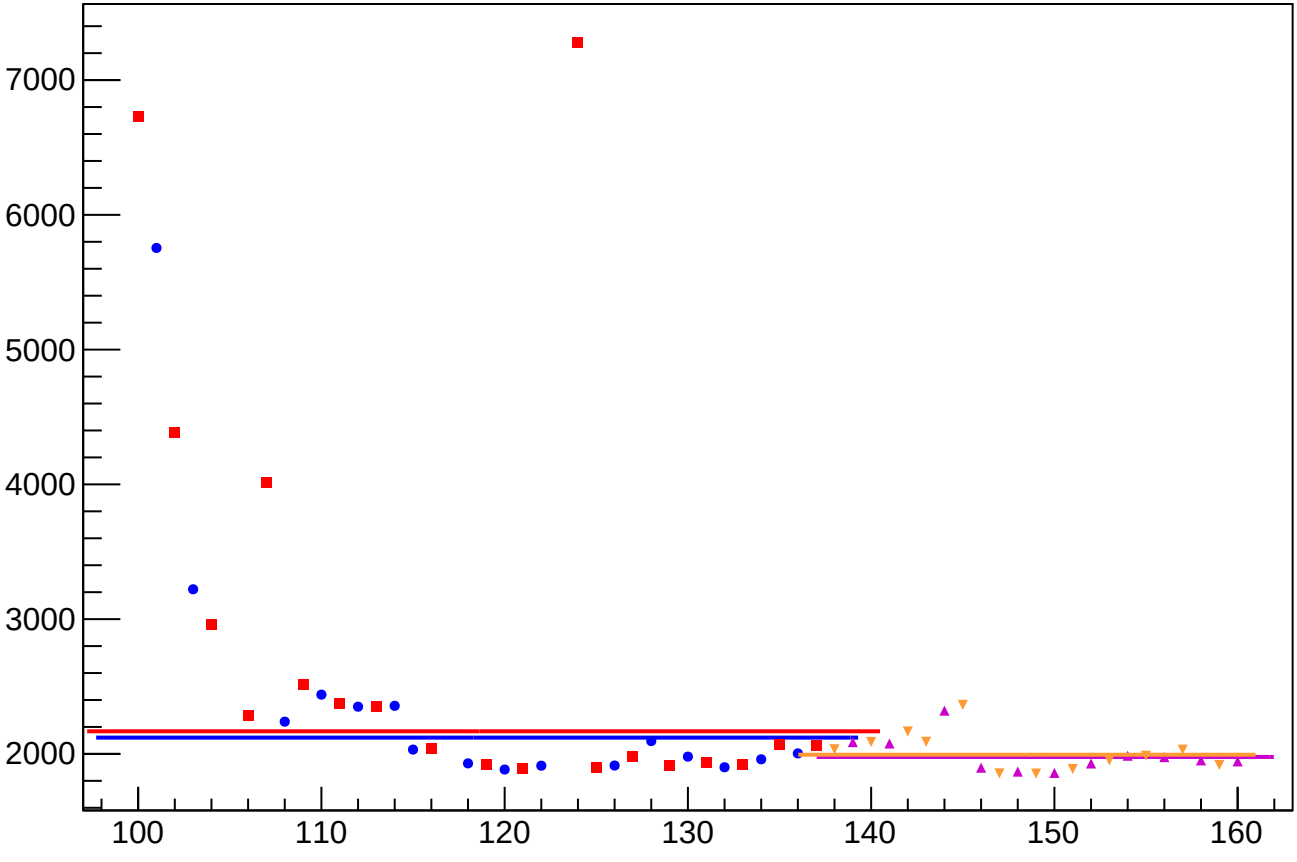
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2214.735+/-502.514 χ^2/NDF:33.5/26

Out: 2496.976+/-507.671 χ^2/NDF:38.9/30

All: 2354.414+/-357.140 χ^2/NDF: 72.6/57

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: 1977.266+/-0.453 χ^2/NDF:66147.7/10

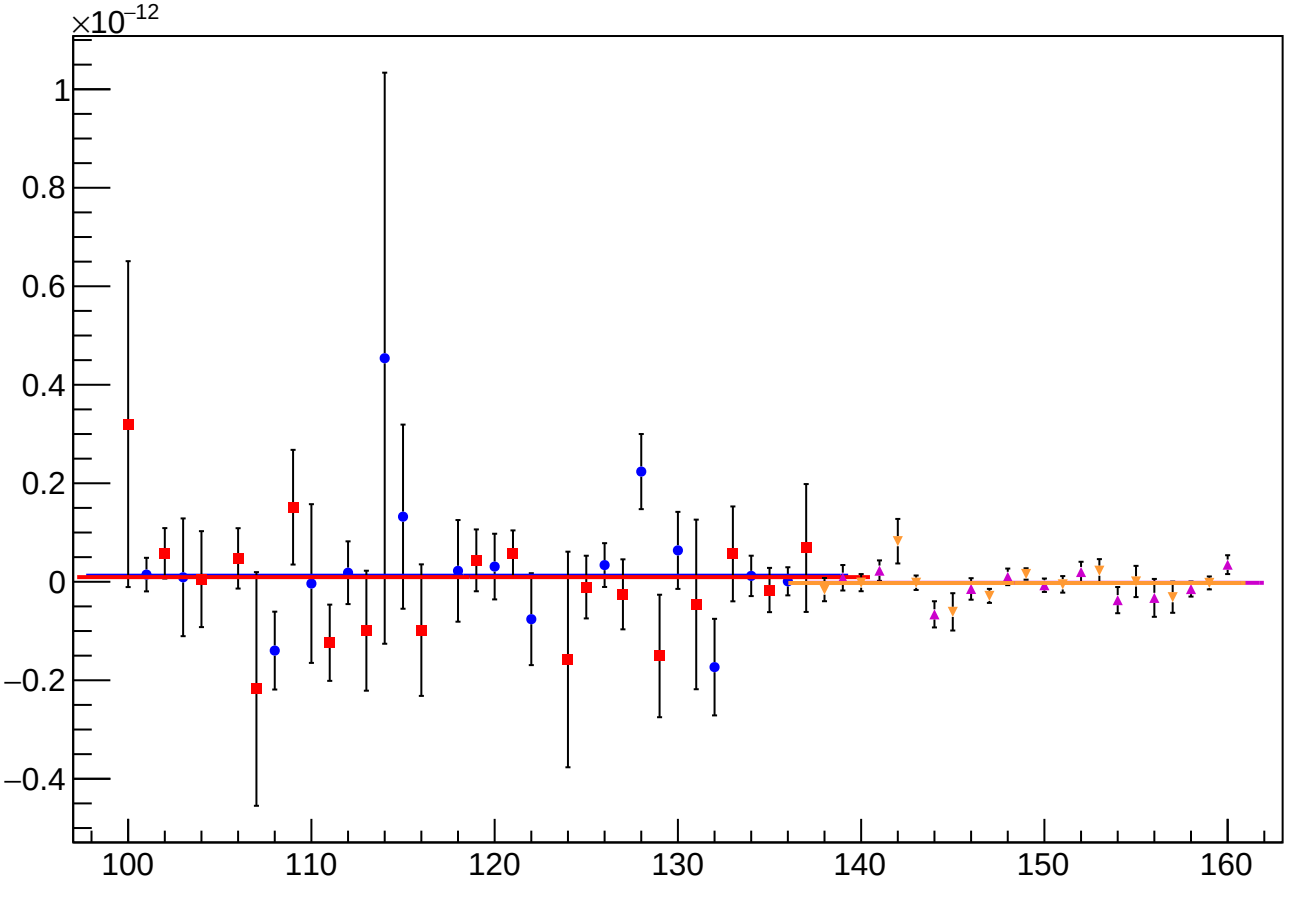
Left: 1985.493+/-0.322 χ^2/NDF: 147479.5/22

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2032.547+/-0.355 χ^2/NDF:864747.5/26

Out: 2060.748+/-0.359 χ^2/NDF:960162.3/30

All: 2046.504+/-0.253 χ^2/NDF: 1828026.9/57



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:16.2/10

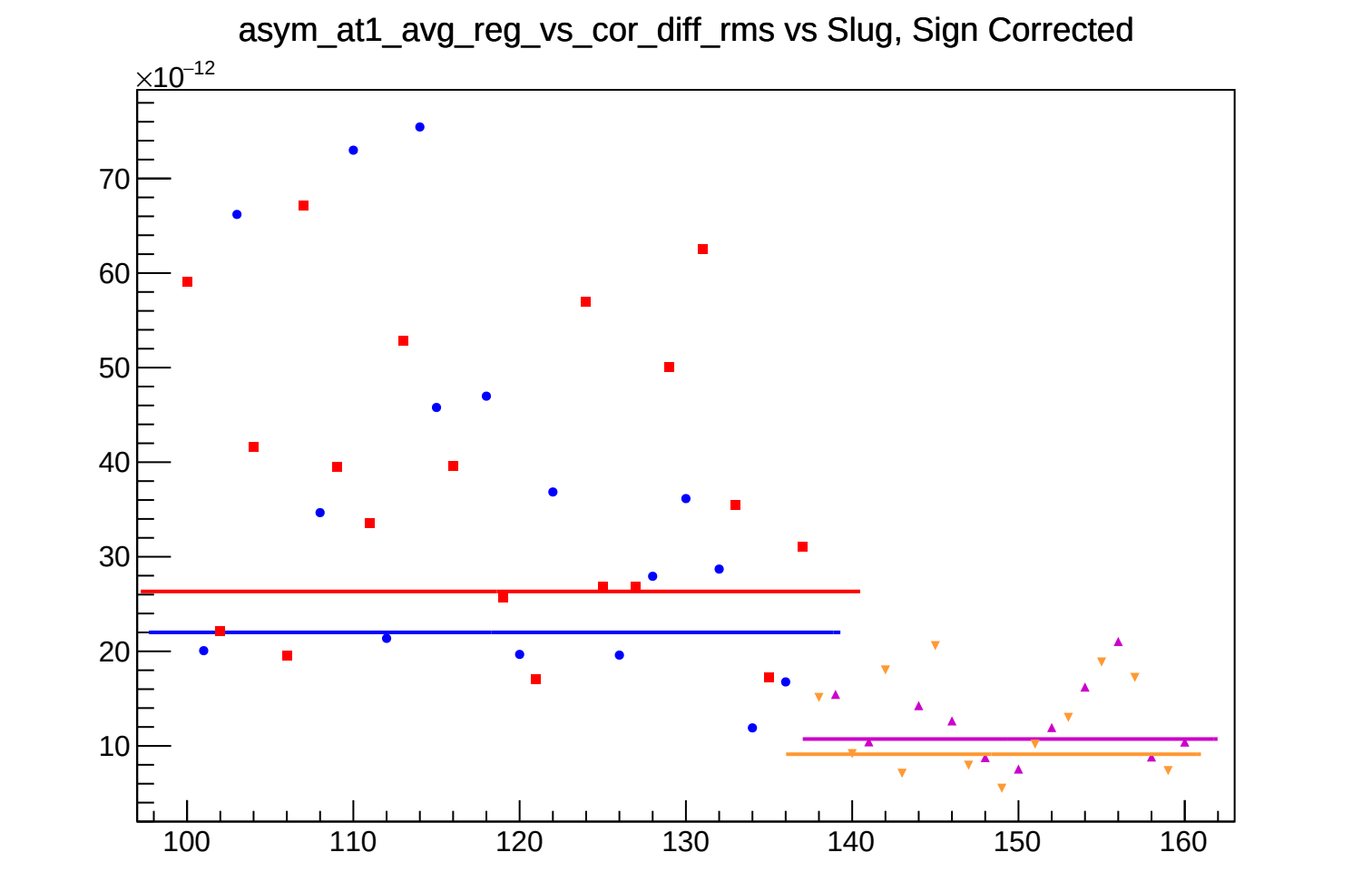
Left: -0.000+/-0.000 χ^2/NDF: 30.4/22

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:34.9/26

Out: -0.000+/-0.000 χ^2/NDF:28.3/30

All: -0.000+/-0.000 χ^2/NDF: 63.2/57



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:520712.5/10

Left: 0.000+/-0.000 χ^2/NDF: 1655132.0/22

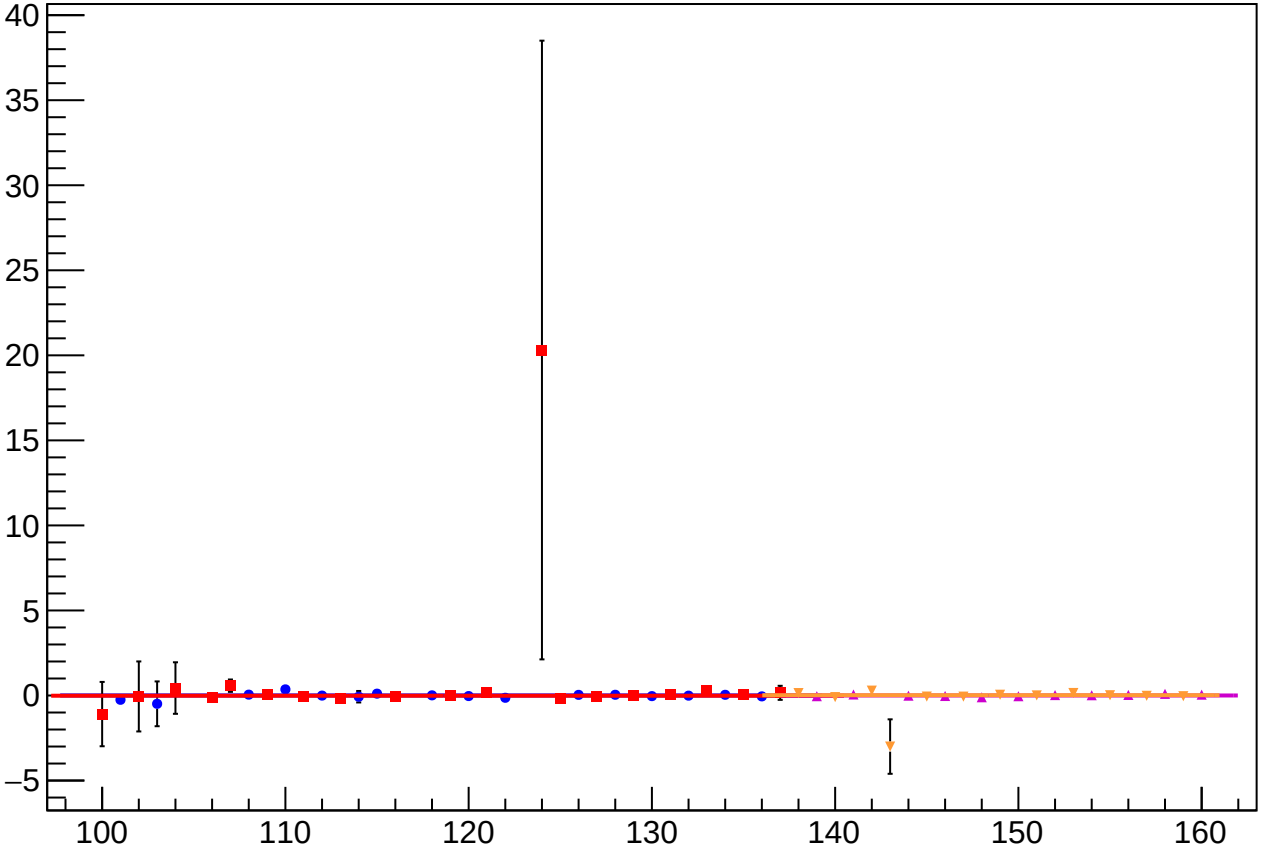
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2558019.2/26

Out: 0.000+/-0.000 χ^2/NDF:3438643.6/30

All: 0.000+/-0.000 χ^2/NDF: 6122247.5/57

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: 0.001+/-0.017 χ^2/NDF:12.1/10

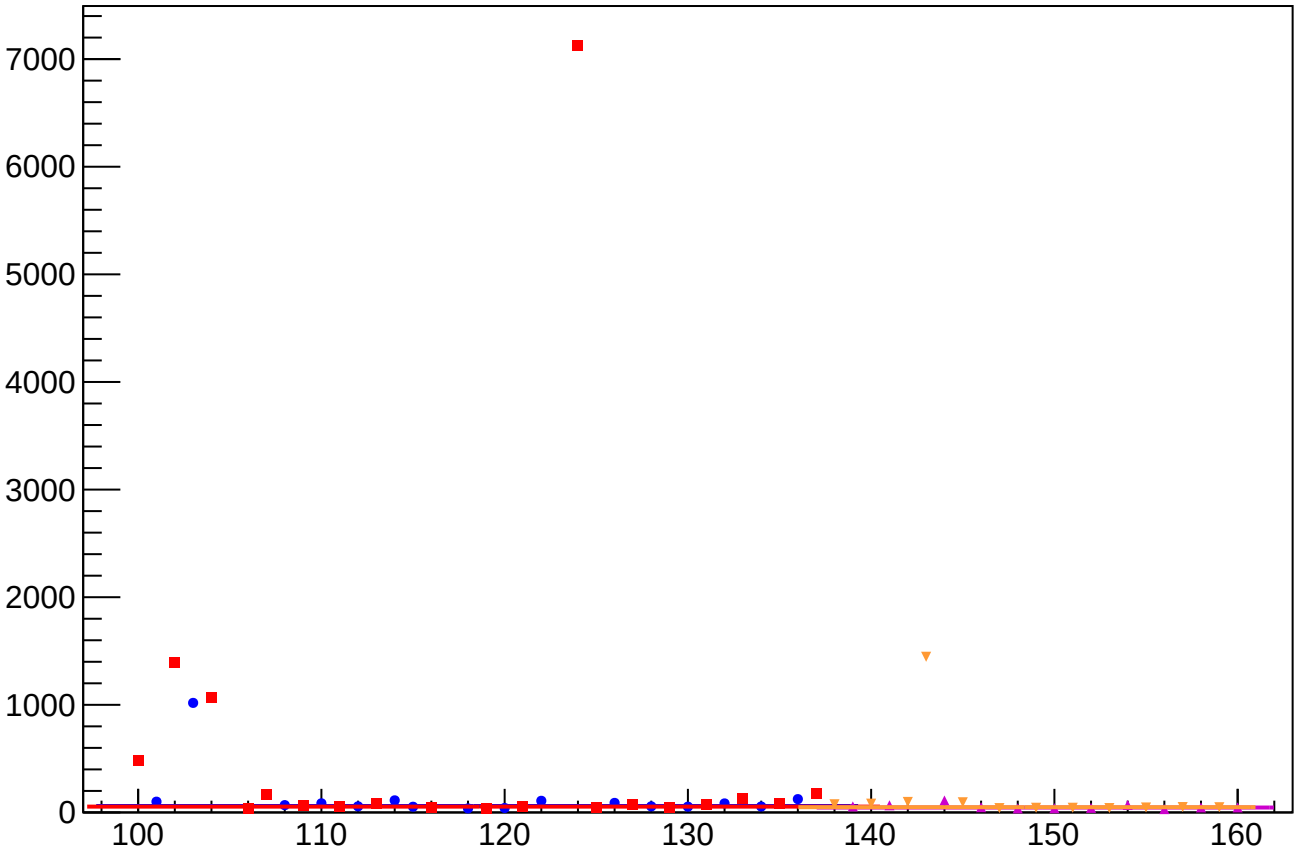
Left: 0.009+/-0.012 χ^2/NDF: 34.9/22

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.005+/-0.010 χ^2/NDF: 64.5/57



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: 45.746+/-0.012 χ^2/NDF:1329221.1/10

Left: 47.176+/-0.009 χ^2/NDF: 3983568.3/22

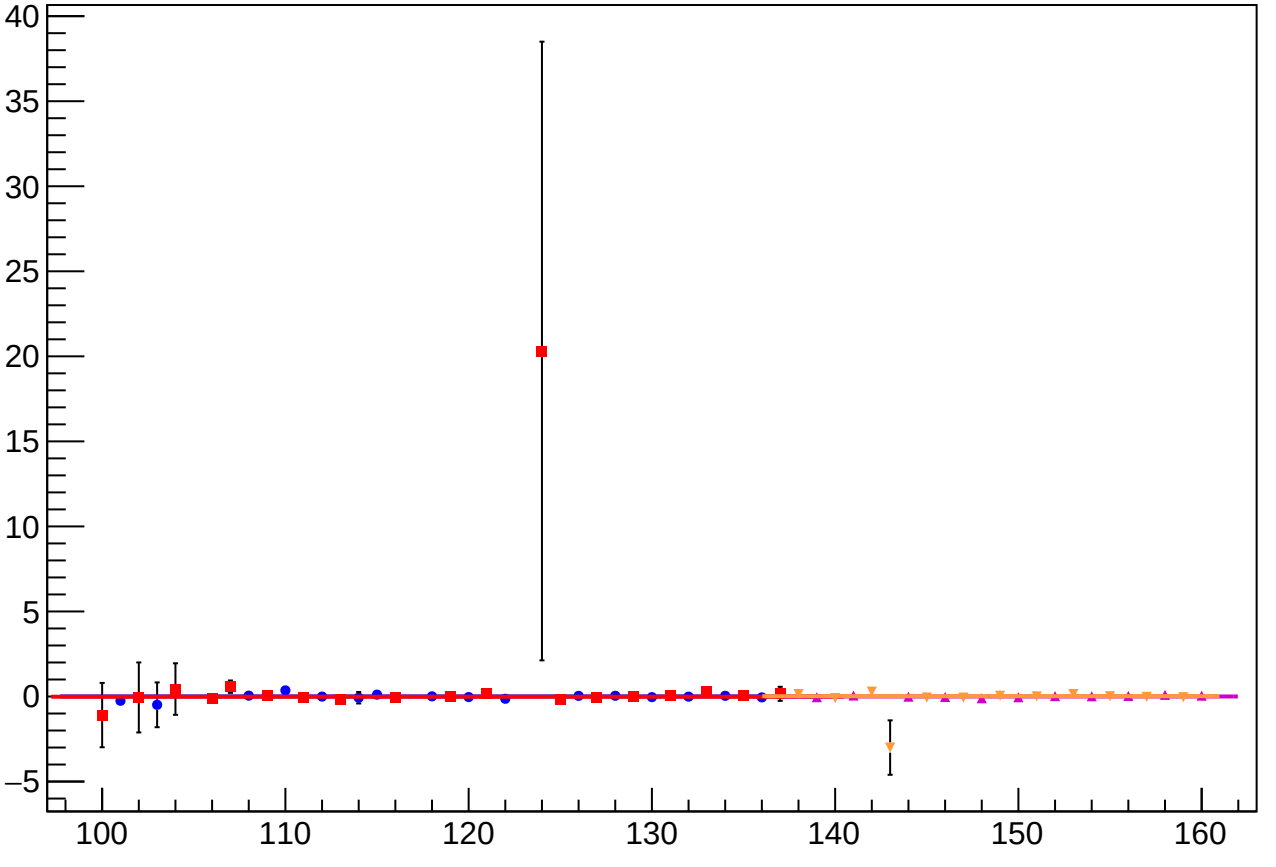
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.717+/-0.010 χ^2/NDF:4267832.7/26

Out: 50.753+/-0.011 χ^2/NDF:6198983.0/30

All: 50.203+/-0.007 χ^2/NDF: 10471832.8/57

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: 0.001+/-0.017 χ^2/NDF:12.1/10

Left: 0.009+/-0.012 χ^2/NDF: 34.9/22

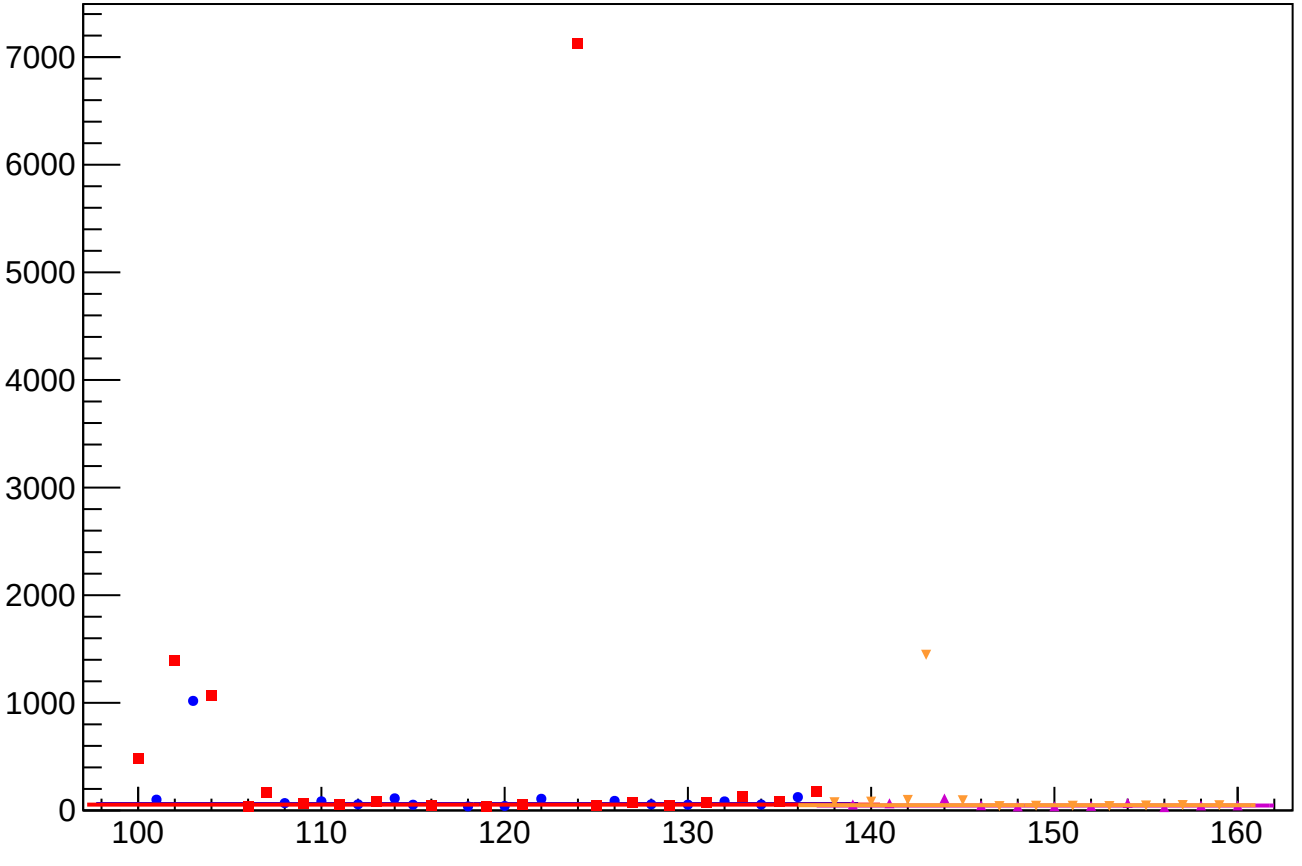
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.005+/-0.010 χ^2/NDF: 64.5/57

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 48.941+/-0.013 χ^2/NDF:2621705.7/11

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

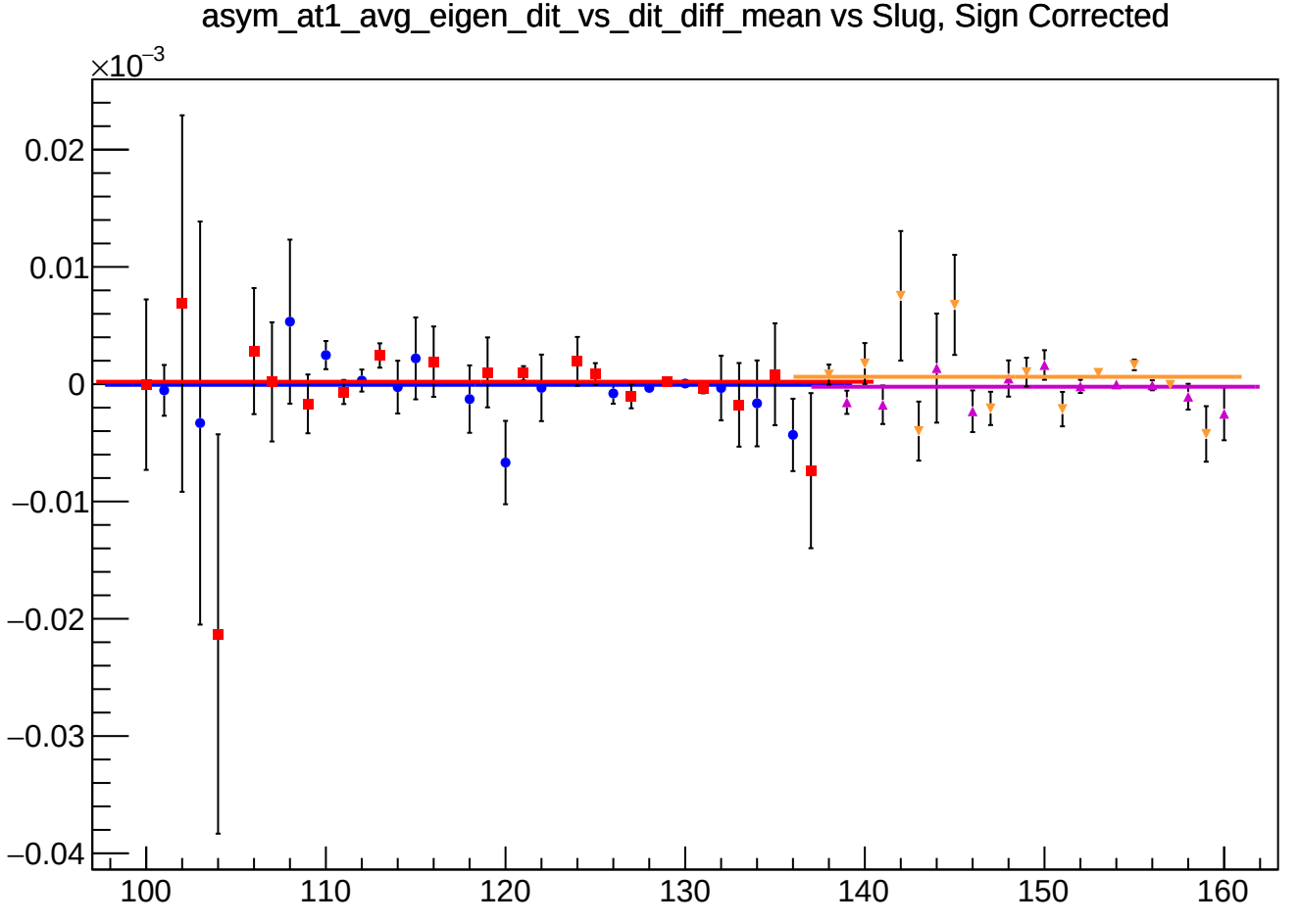
Left: 47.176+/-0.009 χ^2/NDF: 3983568.3/22

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.717+/-0.010 χ^2/NDF:4267832.7/26

Out: 50.753+/-0.011 χ^2/NDF:6198983.0/30

All: 50.203+/-0.007 χ^2/NDF: 10471832.8/57



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:8.5/10

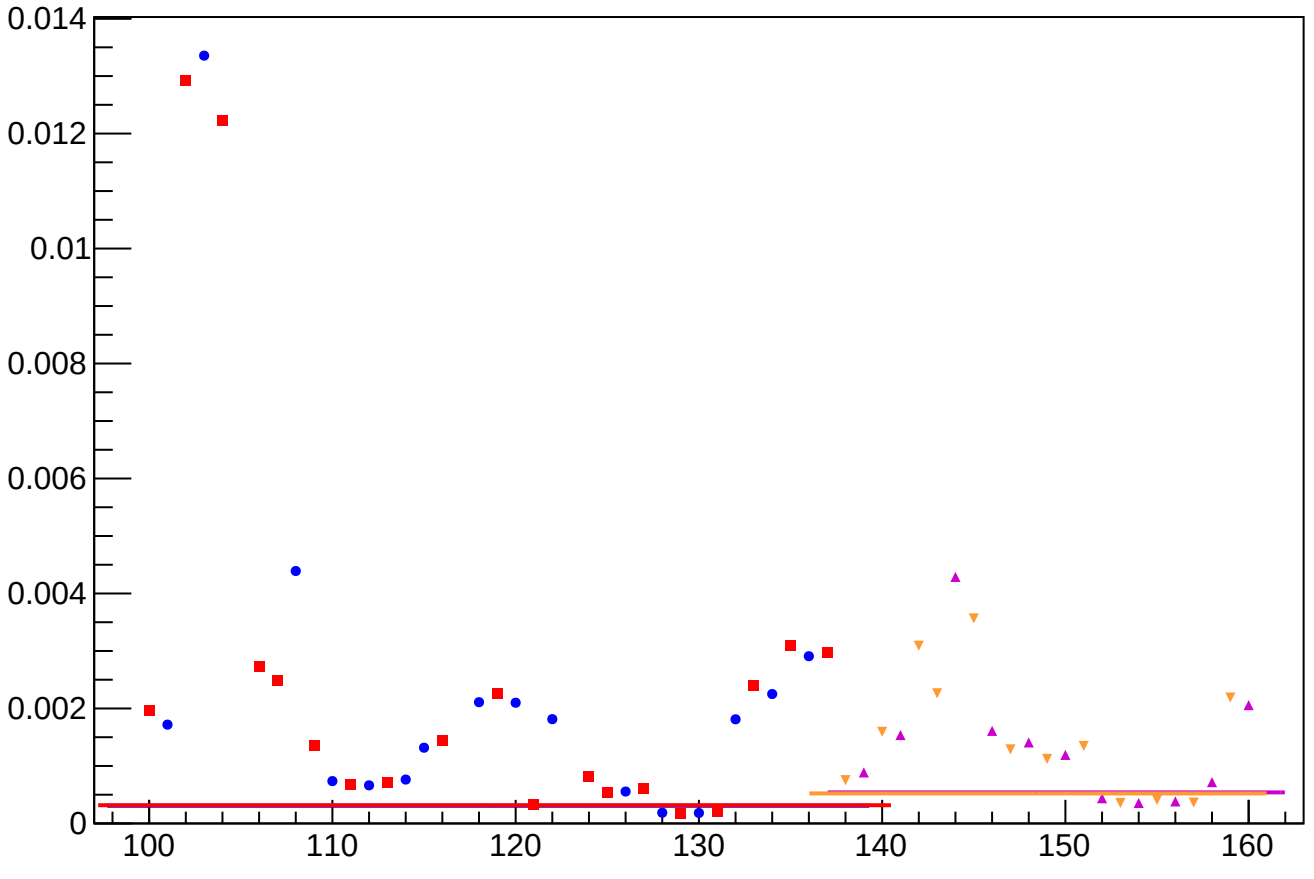
Left: 0.000+/-0.000 χ^2/NDF: 43.6/22

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:21.7/26

Out: 0.000+/-0.000 χ^2/NDF:45.5/30

All: 0.000+/-0.000 χ^2/NDF: 73.5/57



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:5935204.6/10

Left: 0.001+/-0.000 χ^2/NDF: 12745810.6/22

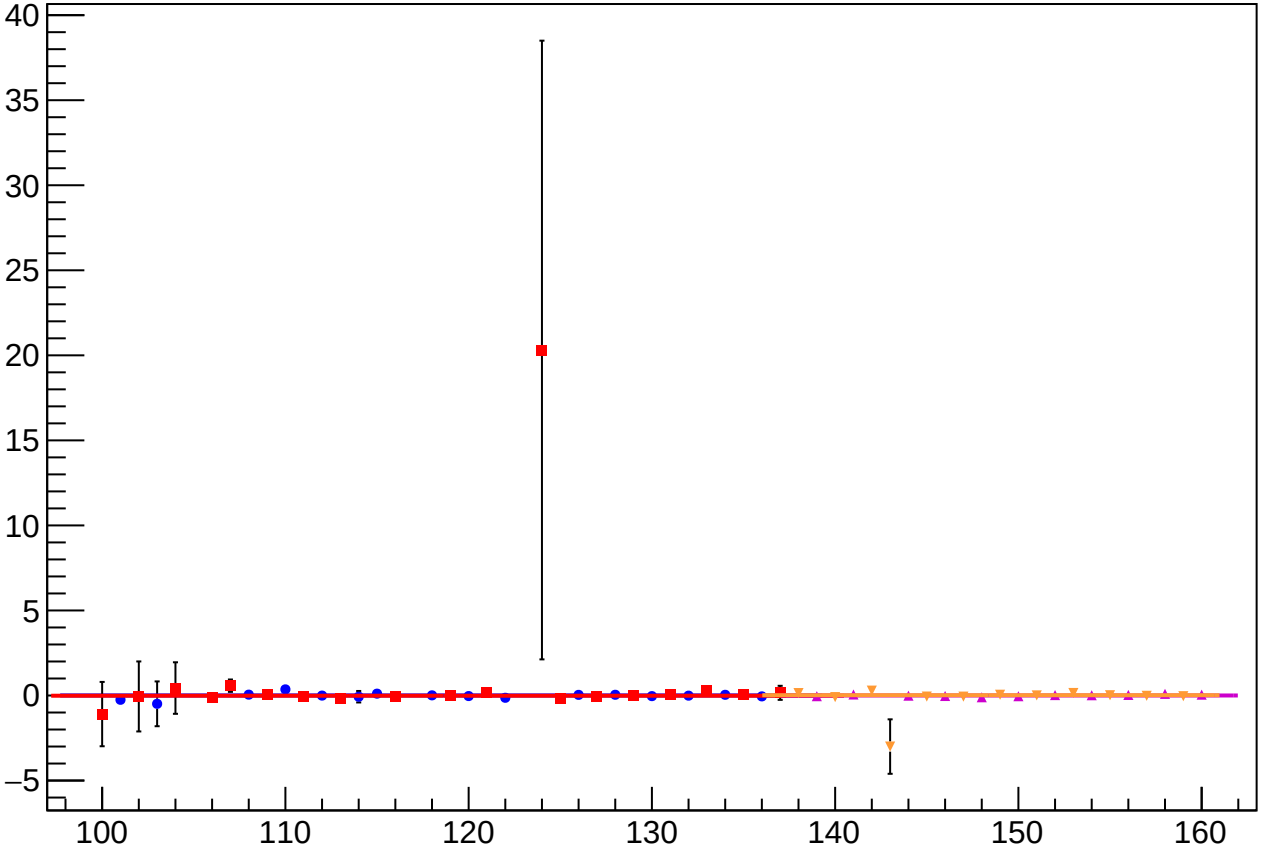
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:15898493.9/26

Out: 0.000+/-0.000 χ^2/NDF:15826026.8/30

All: 0.000+/-0.000 χ^2/NDF: 31724816.5/57

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: 0.001+/-0.017 χ^2/NDF:12.1/10

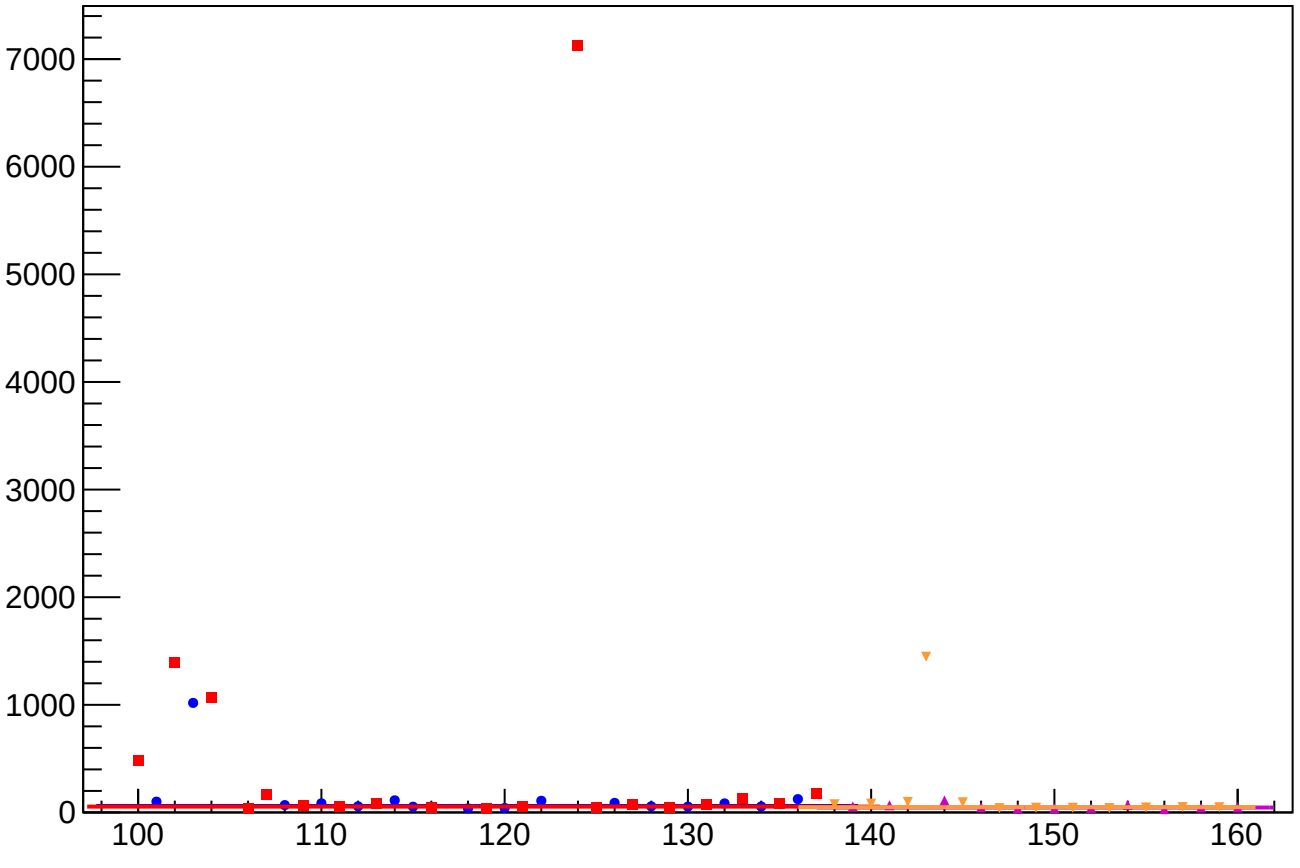
Left: 0.009+/-0.012 χ^2/NDF: 34.9/22

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.005+/-0.010 χ^2/NDF: 64.5/57



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: 45.745+/-0.012 χ^2/NDF:1329237.2/10

Left: 47.176+/-0.009 χ^2/NDF: 3983574.1/22

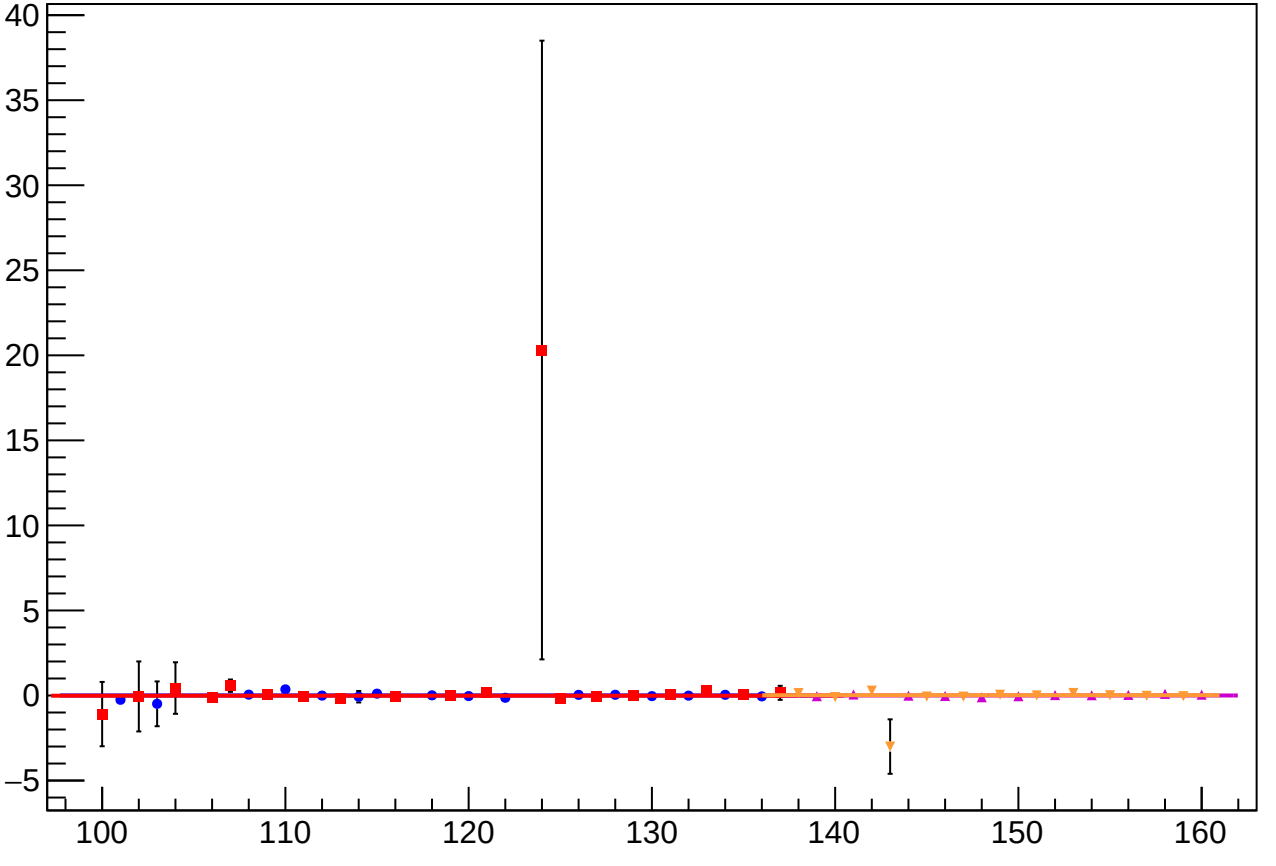
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.716+/-0.010 χ^2/NDF:4267859.3/26

Out: 50.753+/-0.011 χ^2/NDF:6199001.4/30

All: 50.203+/-0.007 χ^2/NDF: 10471877.1/57

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: 0.001+/-0.017 χ^2/NDF:12.1/10

Left: 0.009+/-0.012 χ^2/NDF: 34.9/22

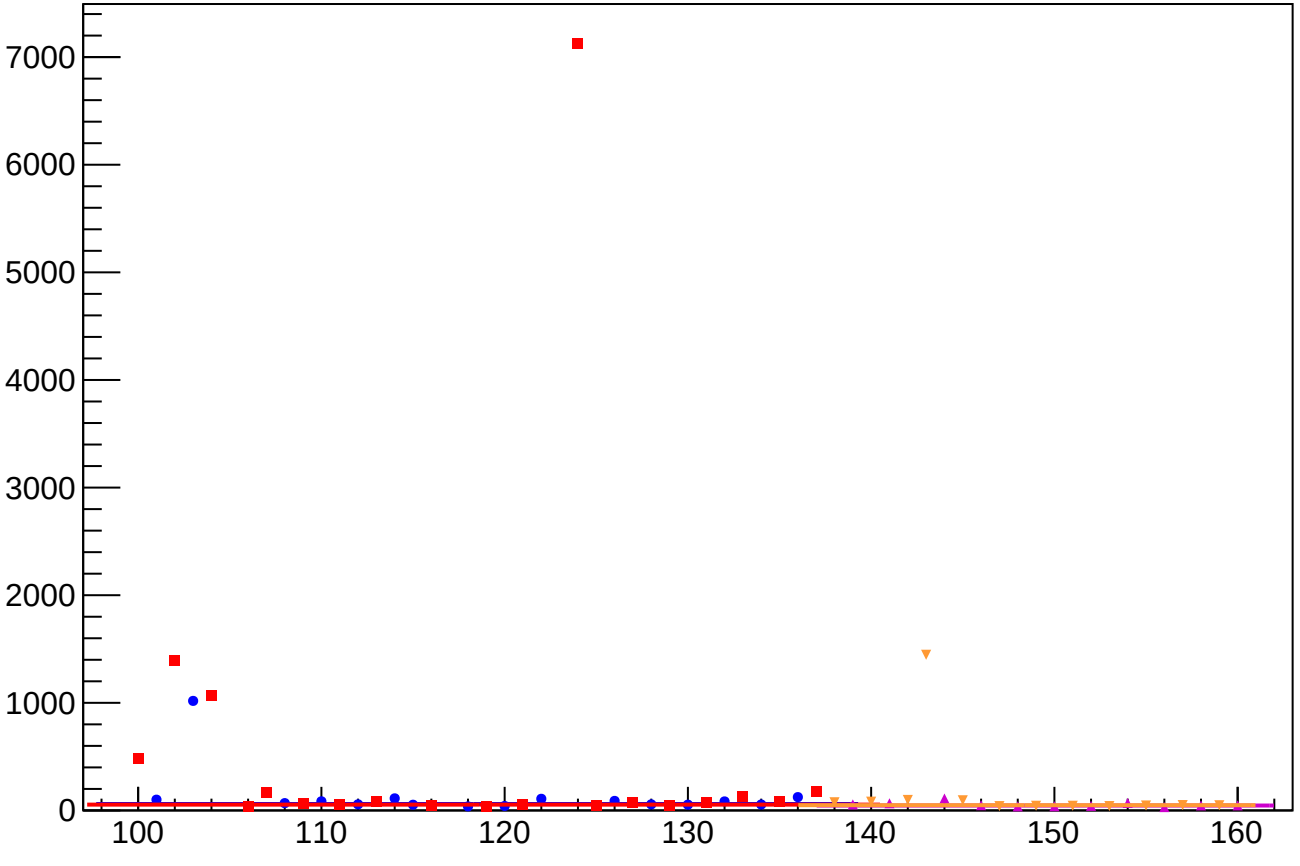
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.007+/-0.015 χ^2/NDF:40.9/30

All: 0.005+/-0.010 χ^2/NDF: 64.5/57

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: 45.745+/-0.012 χ^2/NDF:1329237.2/10

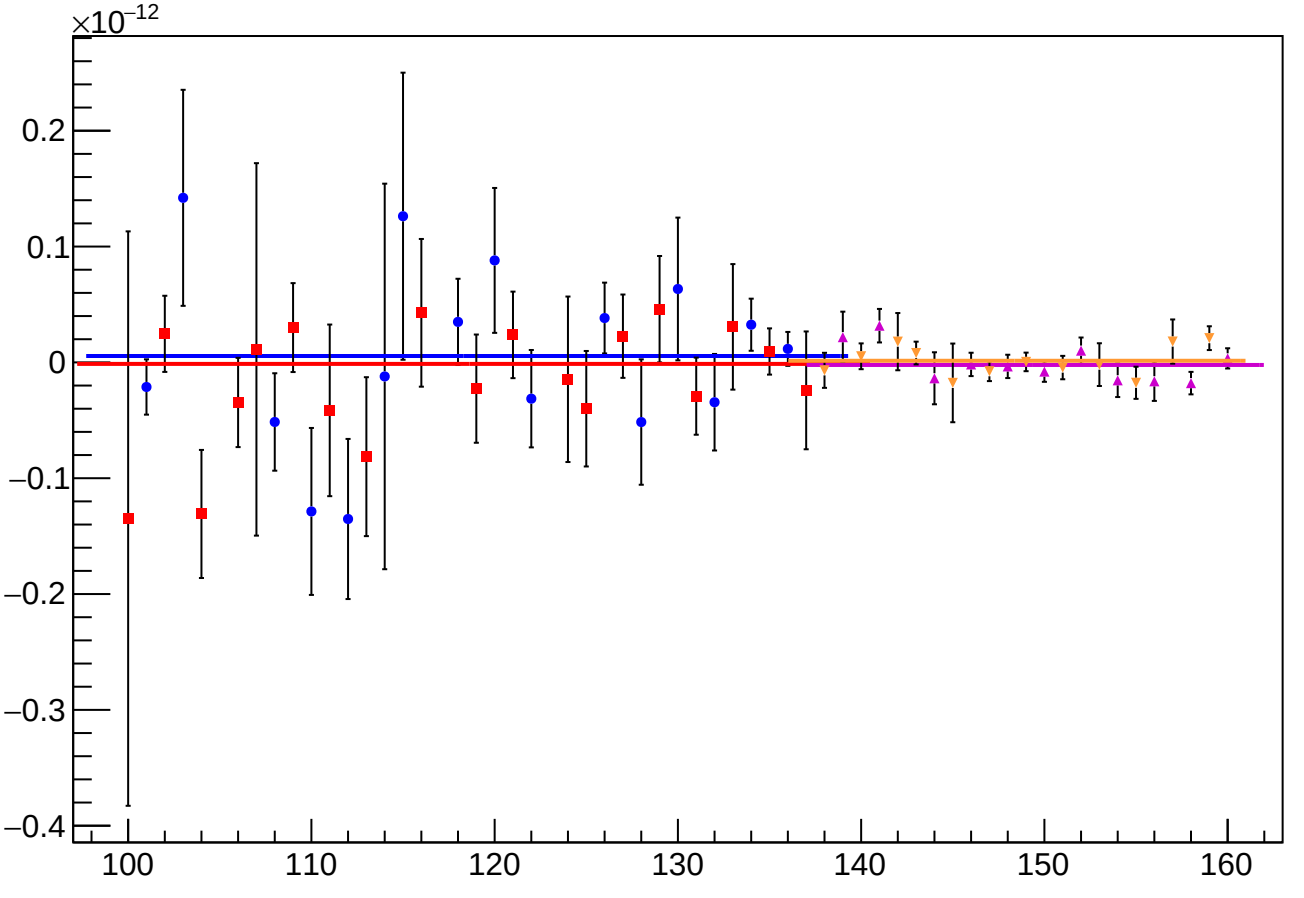
Left: 47.176+/-0.009 χ^2/NDF: 3983574.1/22

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.716+/-0.010 χ^2/NDF:4267859.3/26

Out: 50.753+/-0.011 χ^2/NDF:6199001.4/30

All: 50.203+/-0.007 χ^2/NDF: 10471877.1/57



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:13.1/10

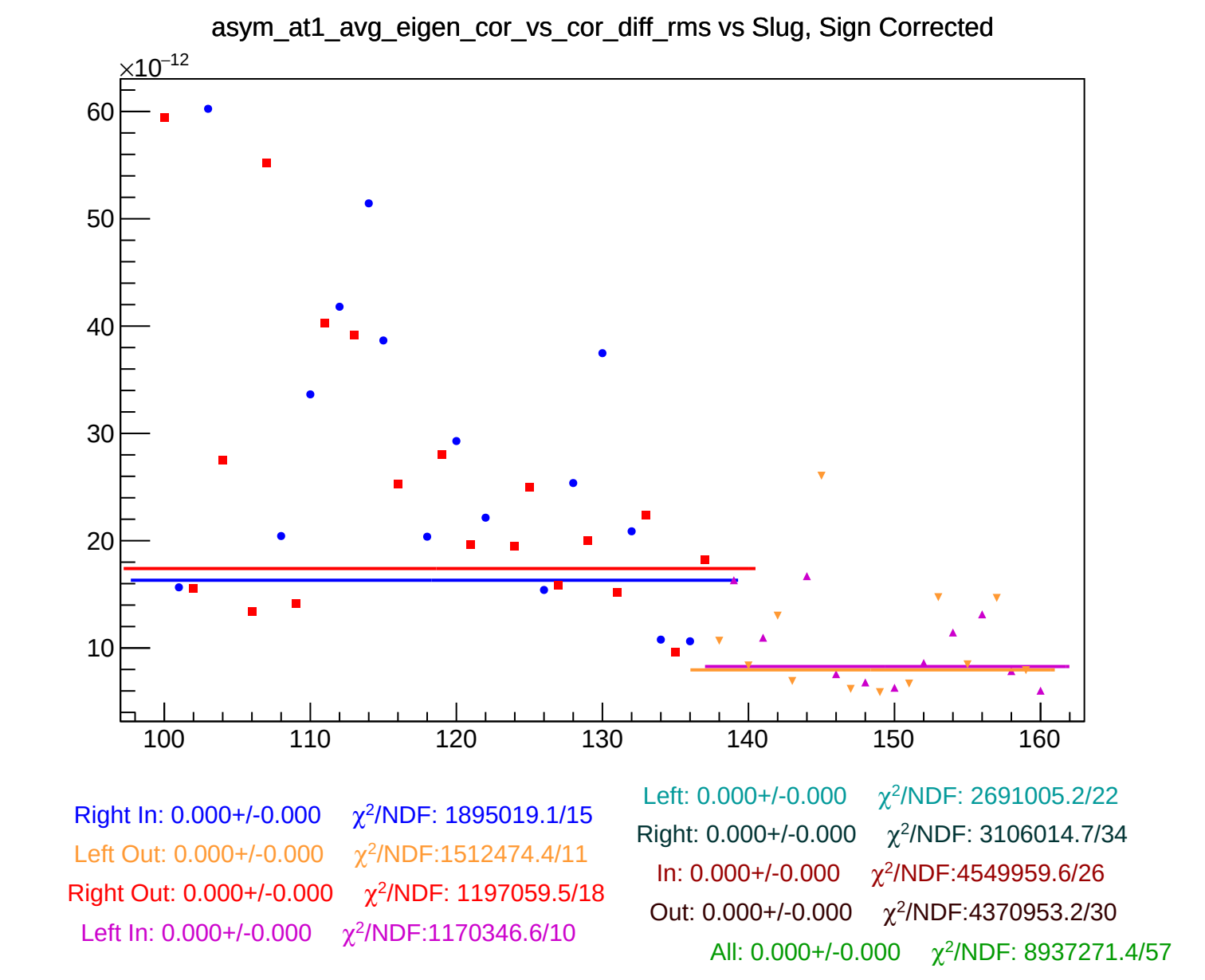
Left: -0.000+/-0.000 χ^2/NDF: 23.1/22

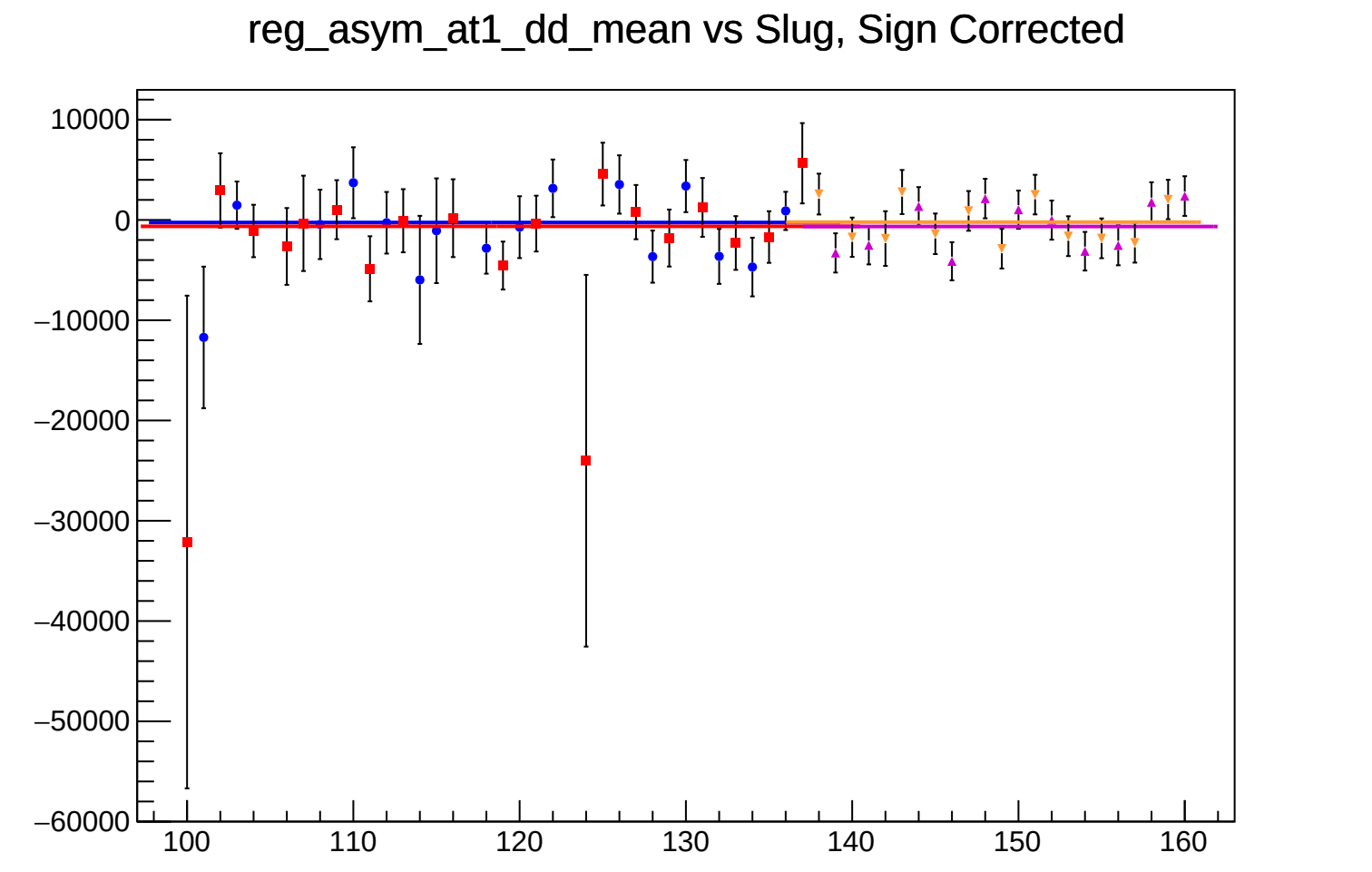
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:36.4/26

Out: 0.000+/-0.000 χ^2/NDF:23.8/30

All: -0.000+/-0.000 χ^2/NDF: 60.4/57


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:1170346.6/10
Left: 0.000+/-0.000 χ²/NDF: 2691005.2/22
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4549959.6/26
Out: 0.000+/-0.000 χ²/NDF:4370953.2/30
All: 0.000+/-0.000 χ²/NDF: 8937271.4/57



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -214.559+/-589.839 χ^2/NDF:12.6/11

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -654.706+/-586.273 χ^2/NDF:16.4/10

Left: -435.967+/-415.813 χ^2/NDF: 29.4/22

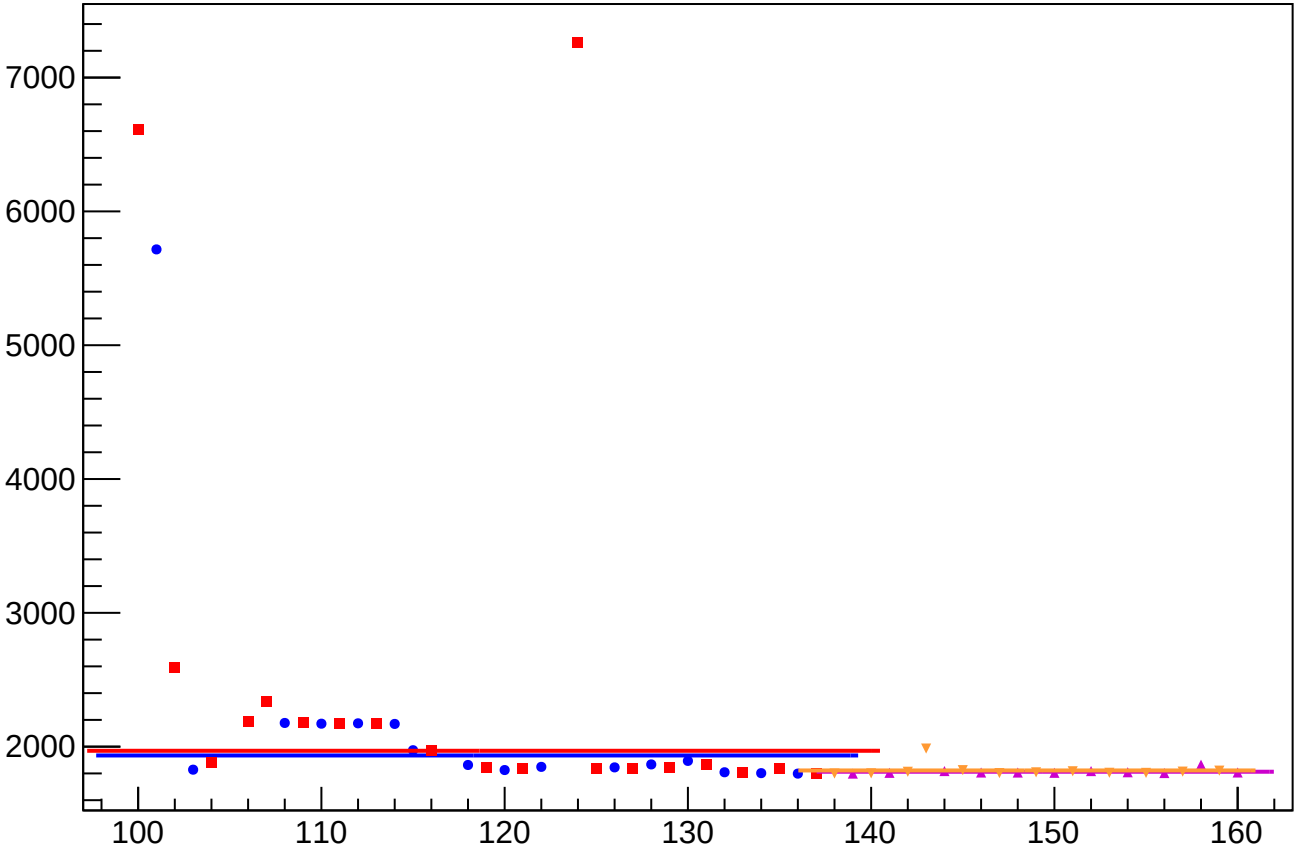
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -497.872+/-458.354 χ^2/NDF:33.9/26

Out: -379.552+/-460.142 χ^2/NDF:28.7/30

All: -438.942+/-324.735 χ^2/NDF: 62.6/57

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: 1812.630+/-0.415 χ^2/NDF:1718.4/10

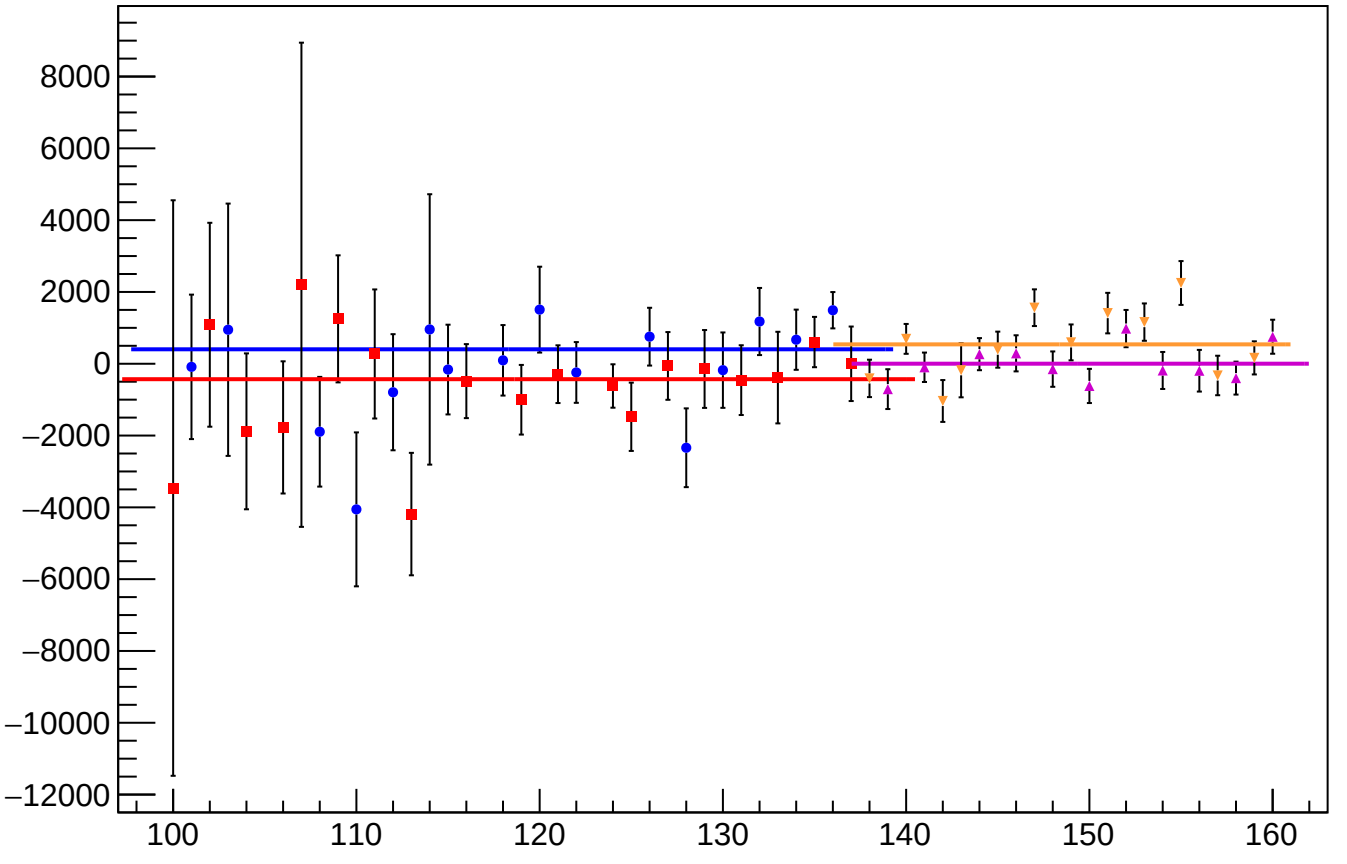
Left: 1817.382+/-0.294 χ^2/NDF: 14282.0/22

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1859.900+/-0.324 χ^2/NDF:675080.5/26

Out: 1879.735+/-0.325 χ^2/NDF:439310.0/30

All: 1869.779+/-0.230 χ^2/NDF: 1116255.9/57



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: 1.542+/-146.878 χ^2/NDF:11.2/10

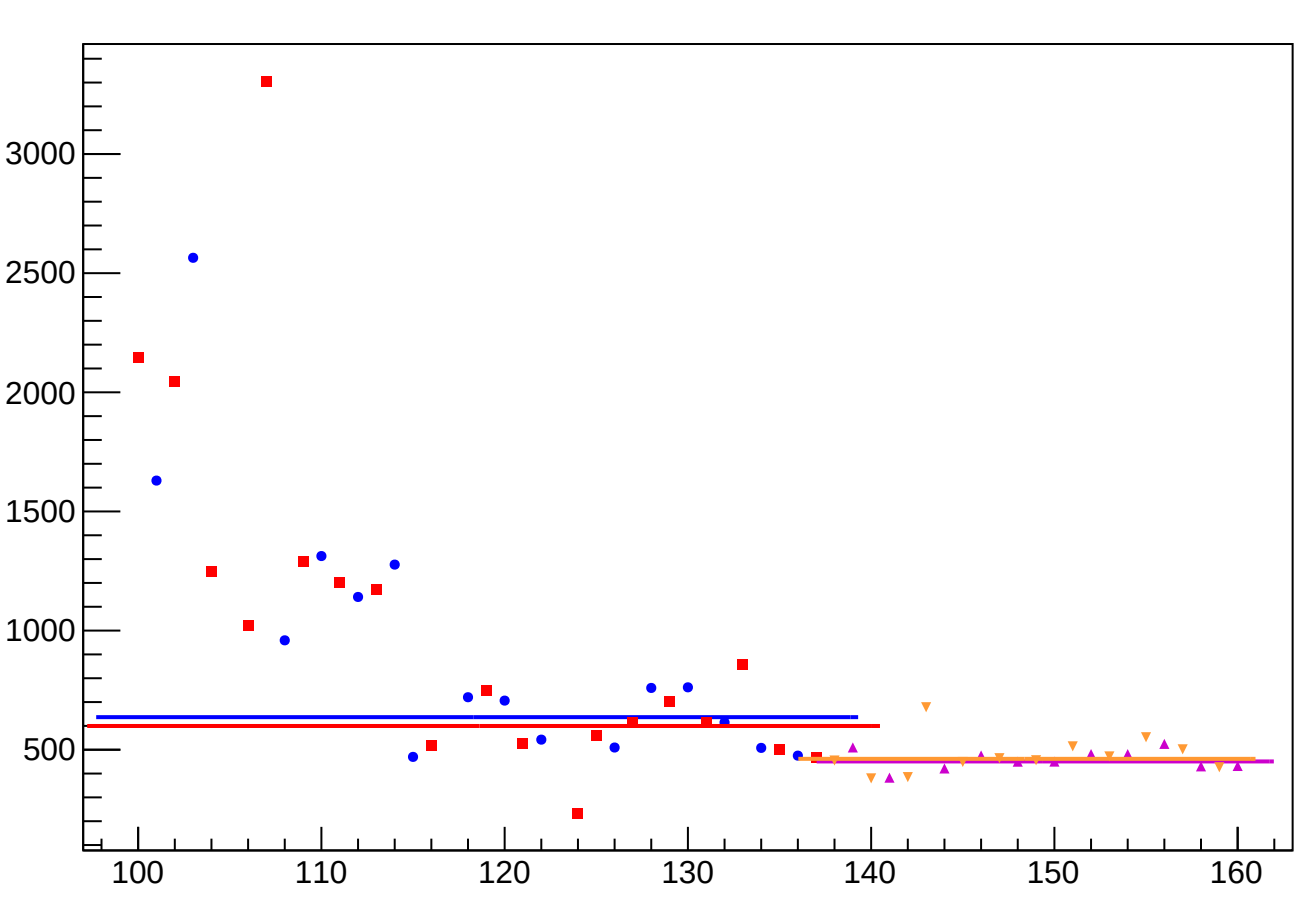
Left: 262.249+/-105.498 χ^2/NDF: 48.3/22

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 99.386+/-127.712 χ^2/NDF:34.2/26

Out: 283.449+/-130.036 χ^2/NDF:53.1/30

All: 189.758+/-91.117 χ^2/NDF: 88.3/57



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: 450.823+/-0.104 χ^2/NDF:145081.8/10

Left: 456.117+/-0.075 χ^2/NDF: 514239.8/22

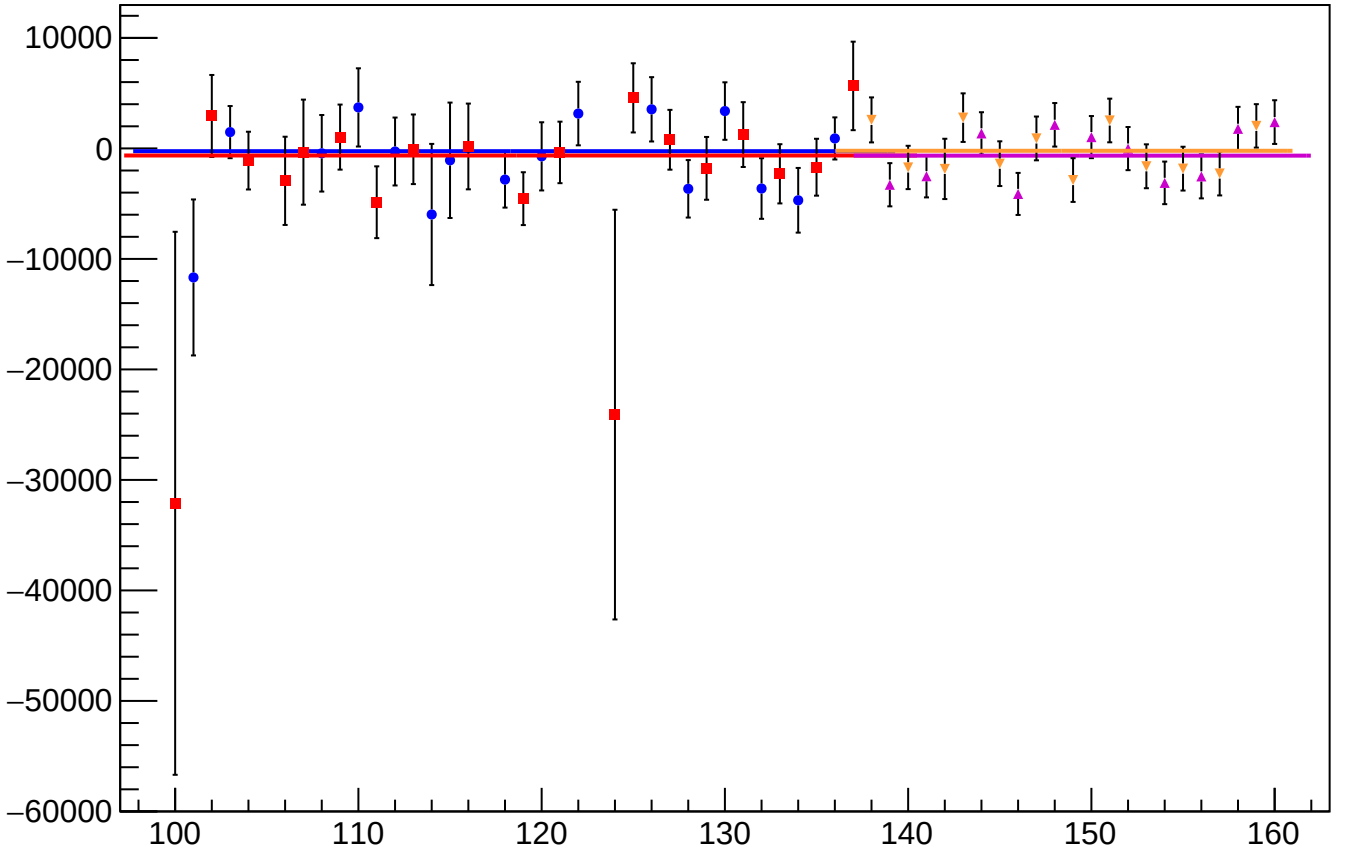
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 496.168+/-0.090 χ^2/NDF:2993350.9/26

Out: 498.232+/-0.092 χ^2/NDF:3745322.1/30

All: 497.181+/-0.064 χ^2/NDF: 6738929.4/57

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: -654.638+/-586.273 χ^2/NDF:16.4/10

Left: -435.970+/-415.813 χ^2/NDF: 29.4/22

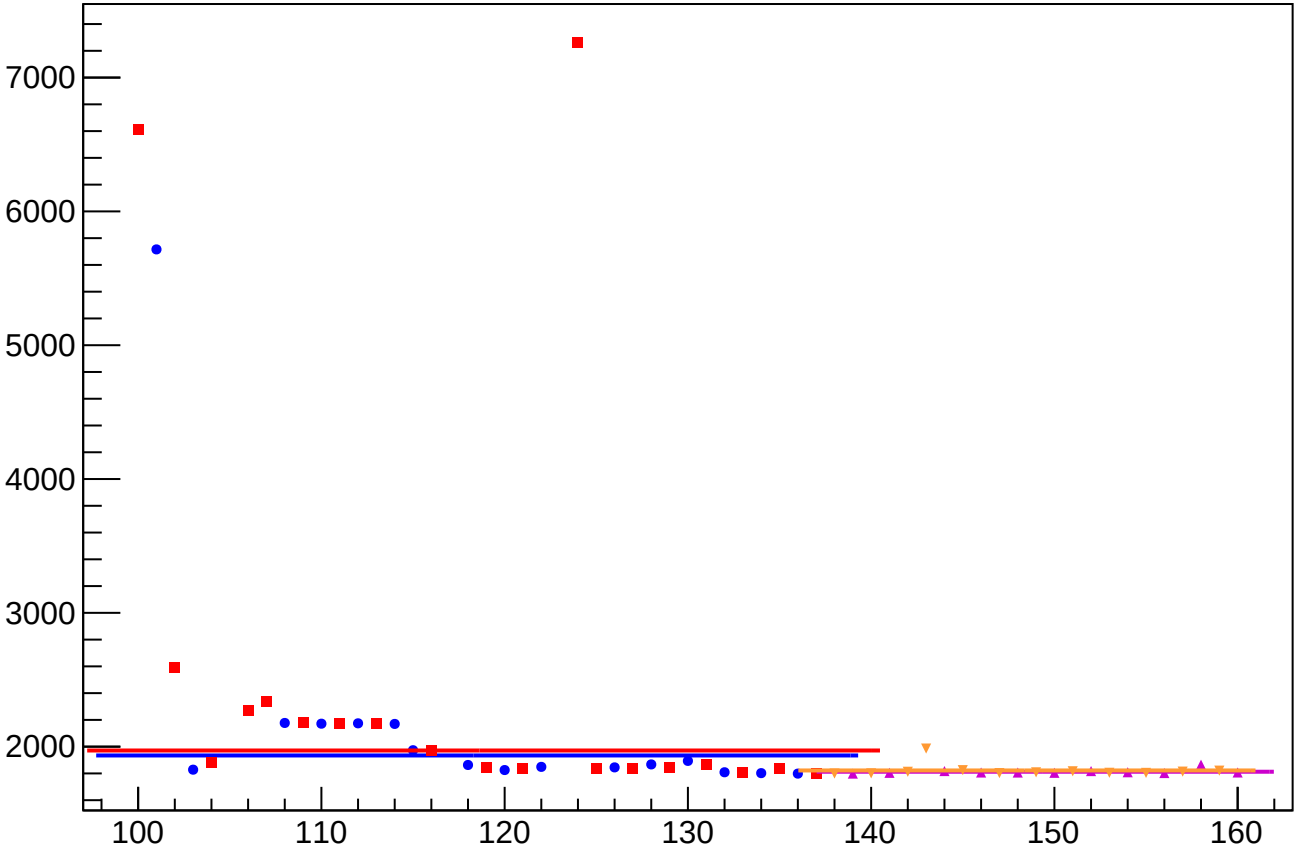
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -497.515+/-458.354 χ^2/NDF:33.9/26

Out: -381.174+/-460.404 χ^2/NDF:28.8/30

All: -439.604+/-324.828 χ^2/NDF: 62.7/57

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: 1812.630+/-0.415 χ^2/NDF:1718.4/10

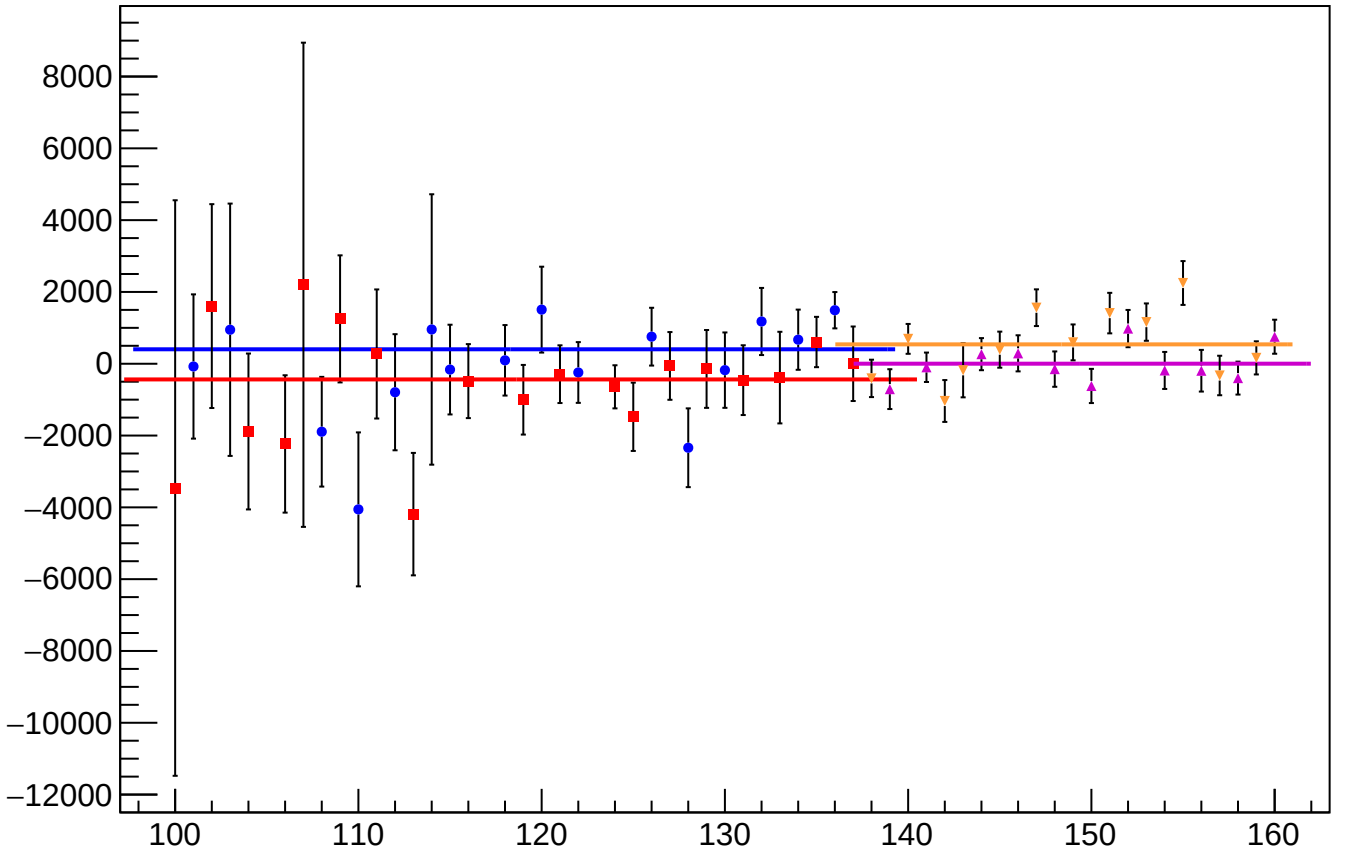
Left: 1817.382+/-0.294 χ^2/NDF: 14282.0/22

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1859.900+/-0.324 χ^2/NDF:675080.4/26

Out: 1880.475+/-0.326 χ^2/NDF:445453.7/30

All: 1870.141+/-0.230 χ^2/NDF: 1122540.1/57



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: 1.571+/-146.877 χ^2/NDF:11.2/10

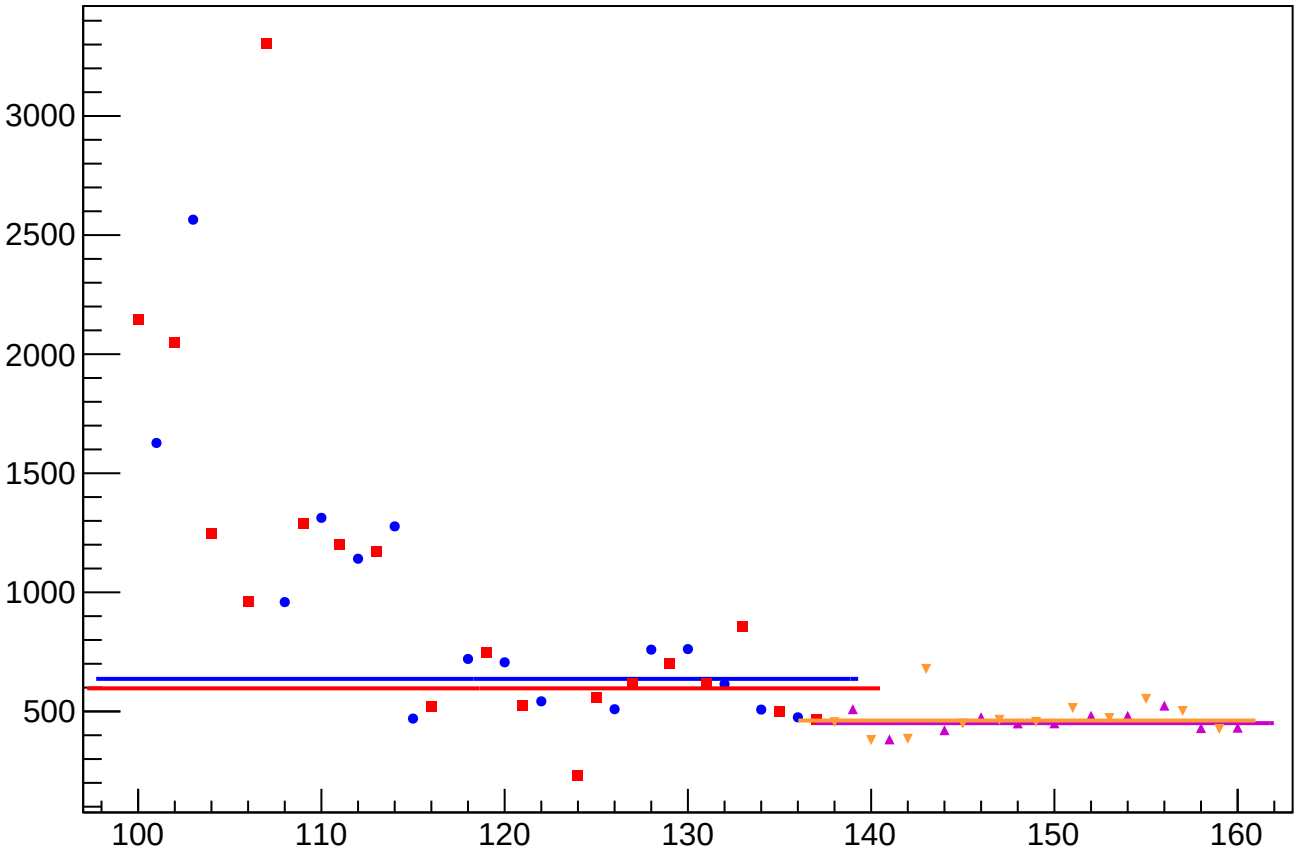
Left: 262.207+/-105.498 χ^2/NDF: 48.3/22

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 99.430+/-127.710 χ^2/NDF:34.2/26

Out: 281.387+/-130.016 χ^2/NDF:53.9/30

All: 188.781+/-91.109 χ^2/NDF: 89.1/57



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: 450.819+/-0.104 χ^2/NDF:145088.6/10

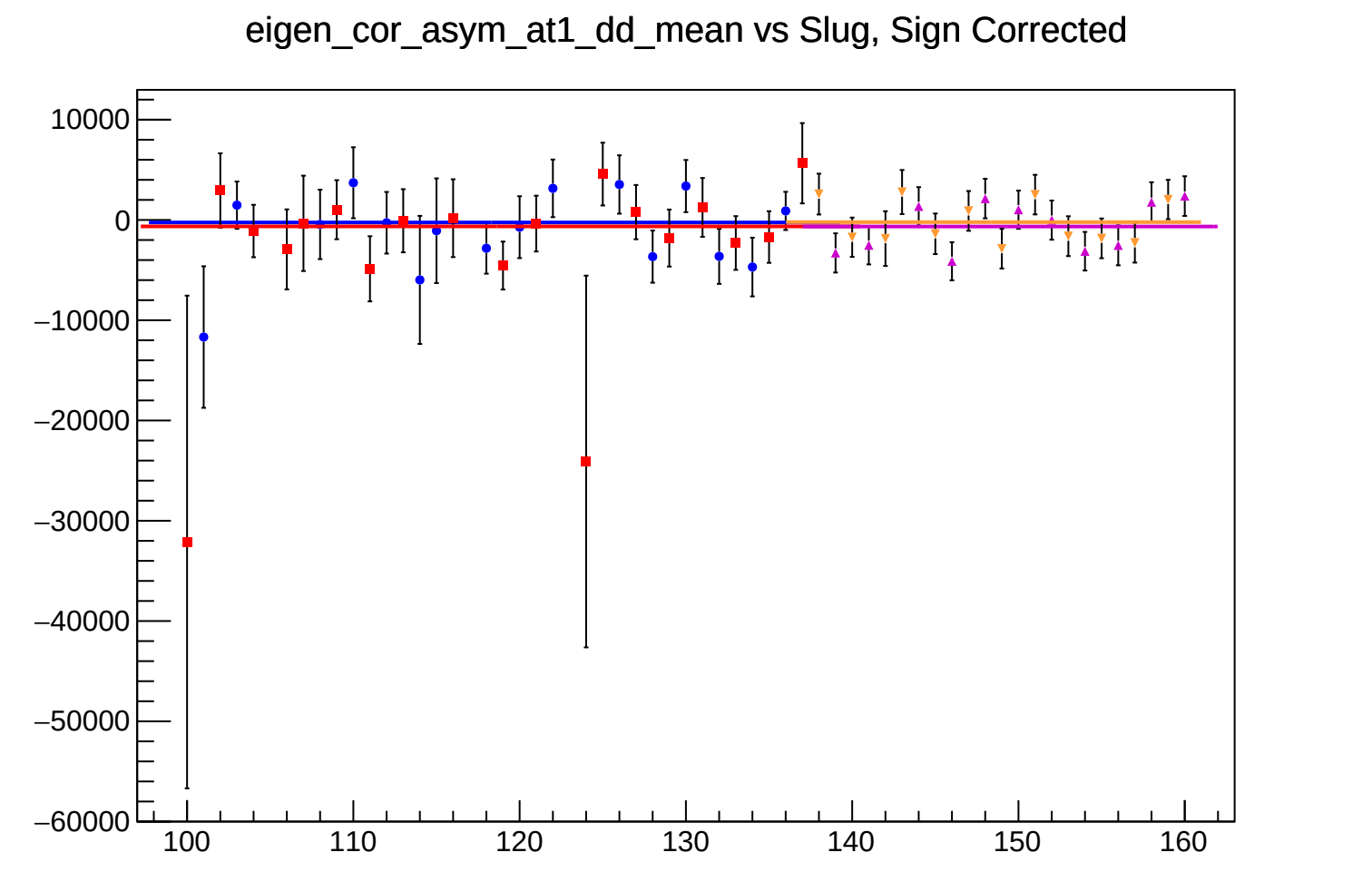
Left: 456.116+/-0.075 χ^2/NDF: 514201.4/22

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 496.166+/-0.090 χ^2/NDF:2992560.7/26

Out: 497.533+/-0.092 χ^2/NDF:3714567.6/30

All: 496.837+/-0.064 χ^2/NDF: 6707240.9/57



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: -654.638+/-586.273 χ^2/NDF:16.4/10

Left: -435.970+/-415.813 χ^2/NDF: 29.4/22

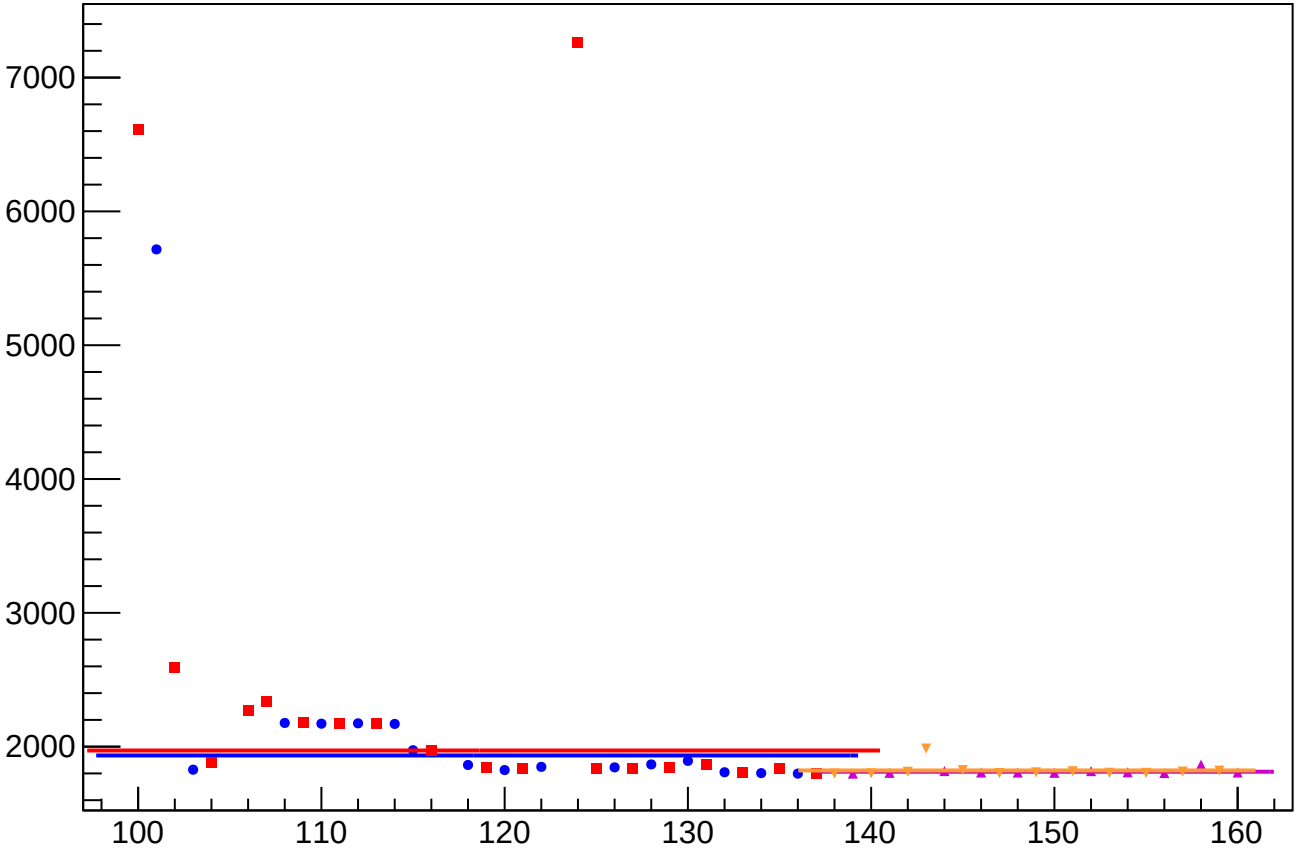
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -497.515+/-458.354 χ^2/NDF:33.9/26

Out: -381.174+/-460.404 χ^2/NDF:28.8/30

All: -439.604+/-324.828 χ^2/NDF: 62.7/57

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: 1812.630+/-0.415 χ^2/NDF:1718.4/10

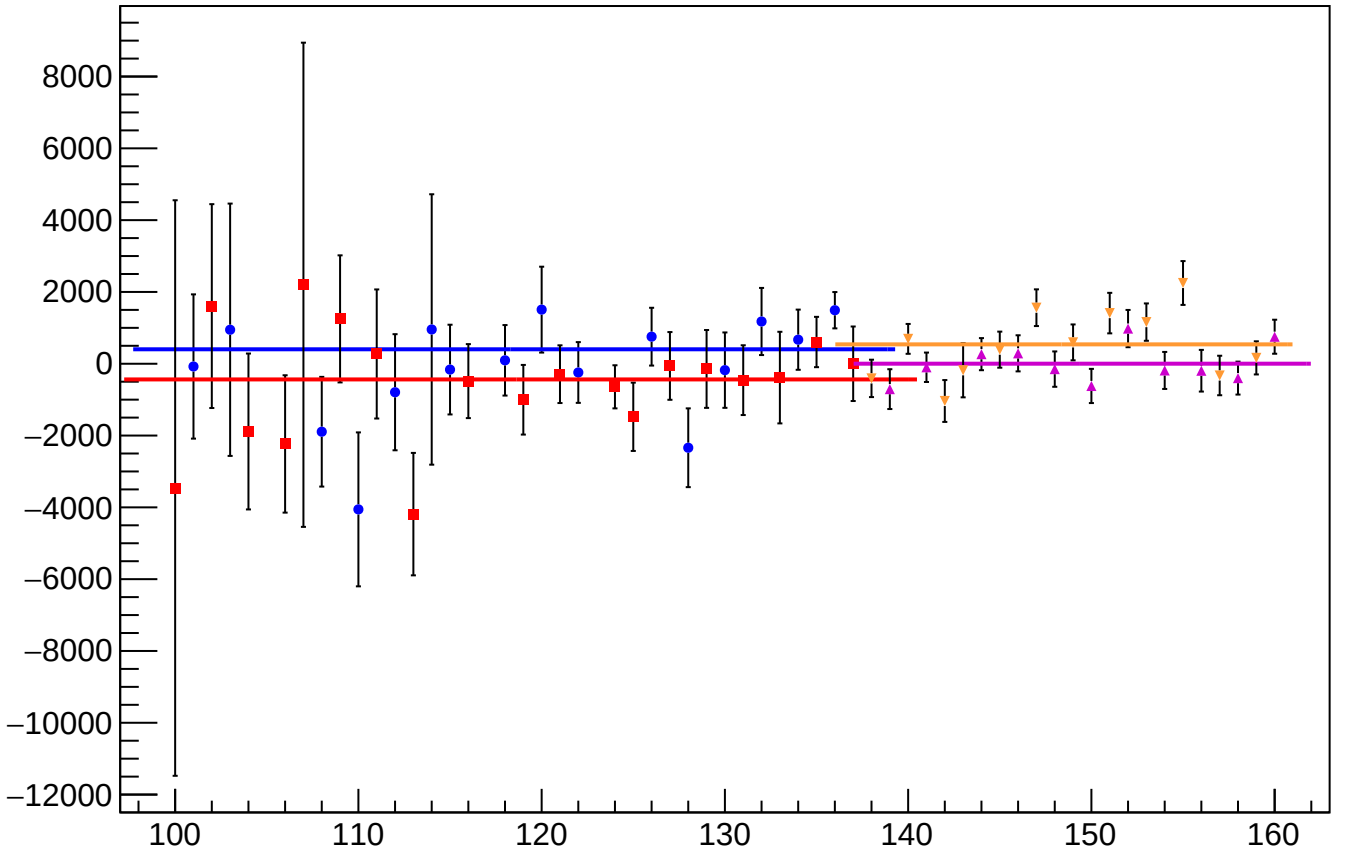
Left: 1817.382+/-0.294 χ^2/NDF: 14282.0/22

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1859.900+/-0.324 χ^2/NDF:675080.4/26

Out: 1880.475+/-0.326 χ^2/NDF:445453.7/30

All: 1870.141+/-0.230 χ^2/NDF: 1122540.1/57



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: 1.571+/-146.877 χ^2/NDF:11.2/10

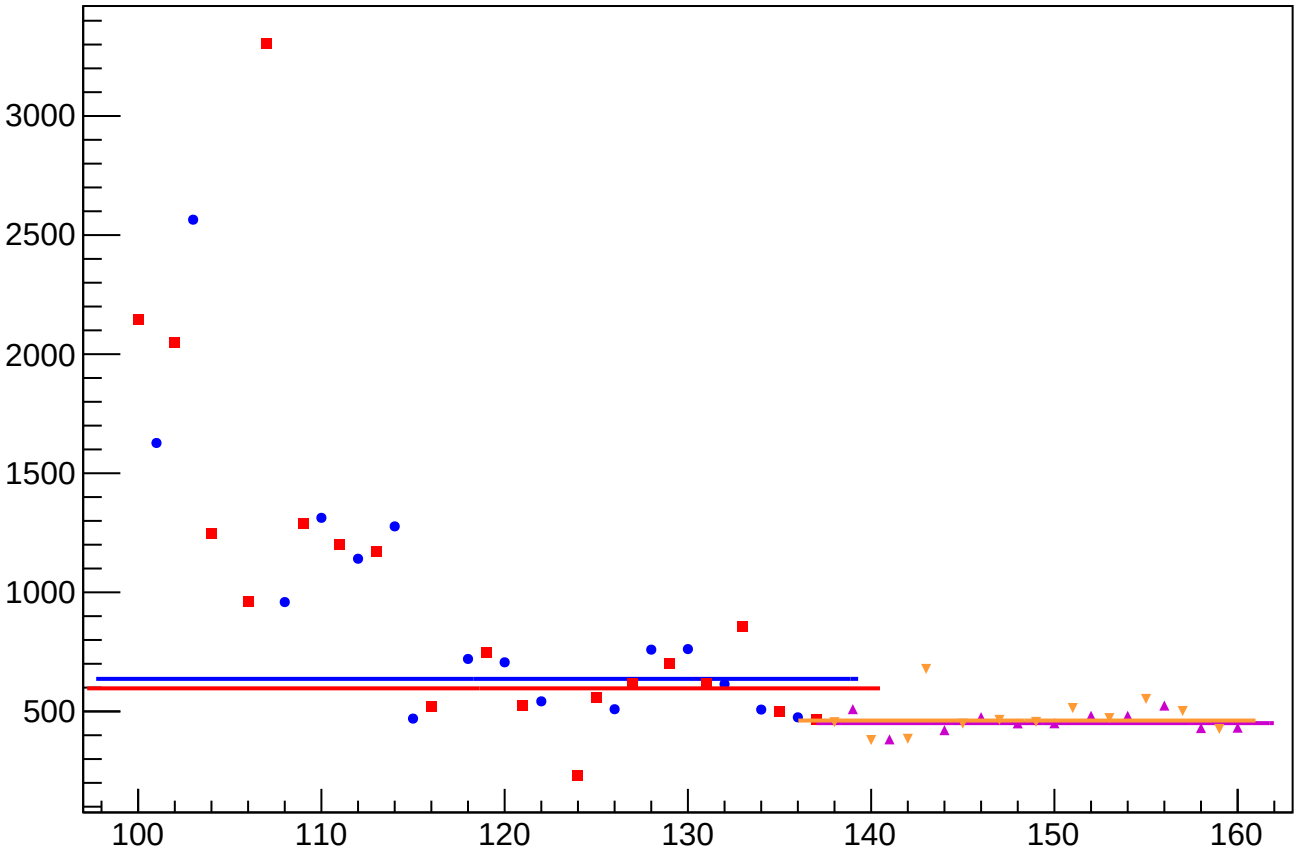
Left: 262.207+/-105.498 χ^2/NDF: 48.3/22

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 99.430+/-127.710 χ^2/NDF:34.2/26

Out: 281.387+/-130.016 χ^2/NDF:53.9/30

All: 188.781+/-91.109 χ^2/NDF: 89.1/57



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: 450.819+/-0.104 χ^2/NDF:145088.6/10

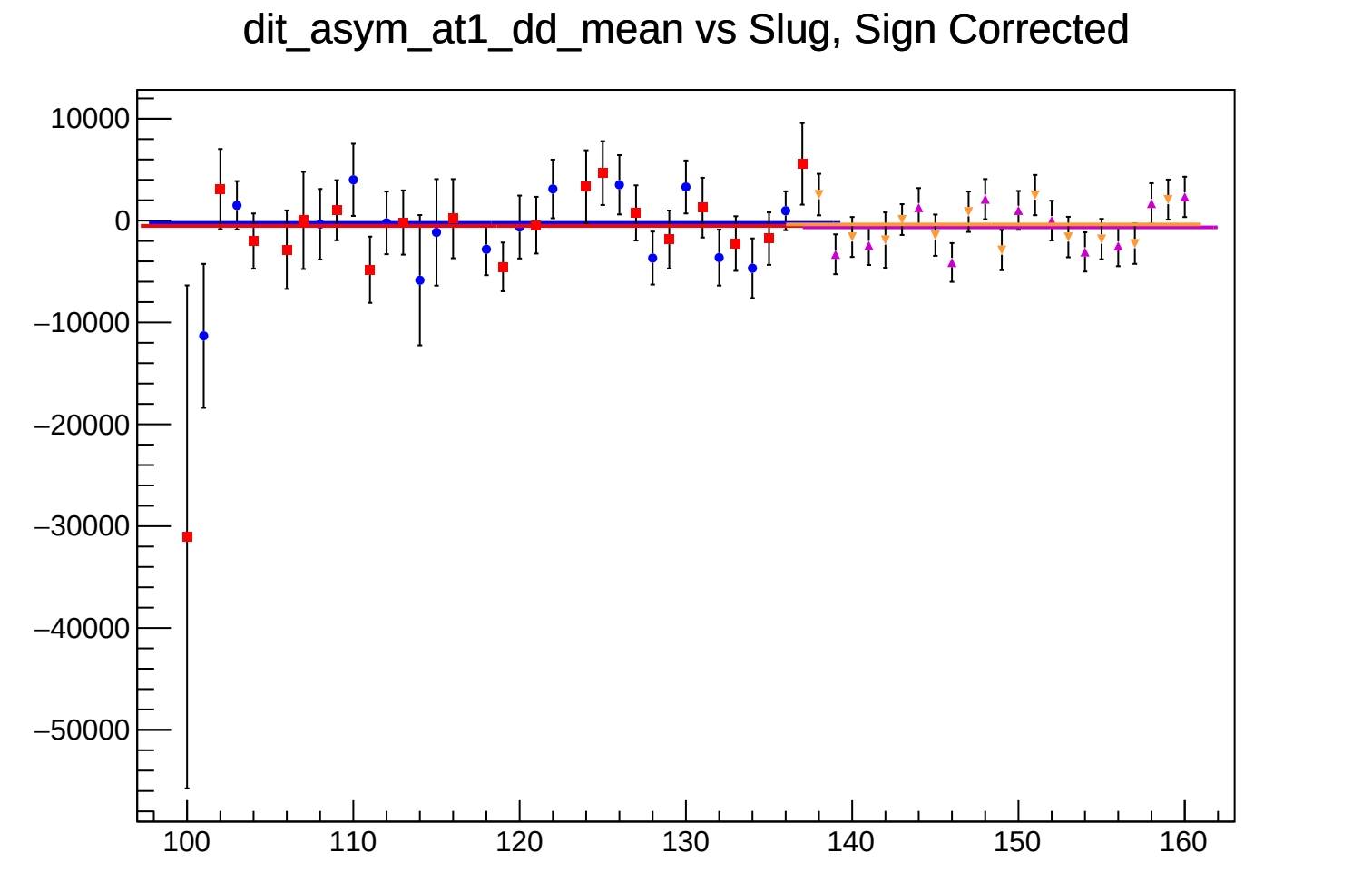
Left: 456.116+/-0.075 χ^2/NDF: 514201.4/22

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 496.166+/-0.090 χ^2/NDF:2992560.7/26

Out: 497.533+/-0.092 χ^2/NDF:3714567.6/30

All: 496.837+/-0.064 χ^2/NDF: 6707240.9/57



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: -661.483+/-586.466 χ^2/NDF:15.9/10

Left: -510.620+/-407.809 χ^2/NDF: 26.7/22

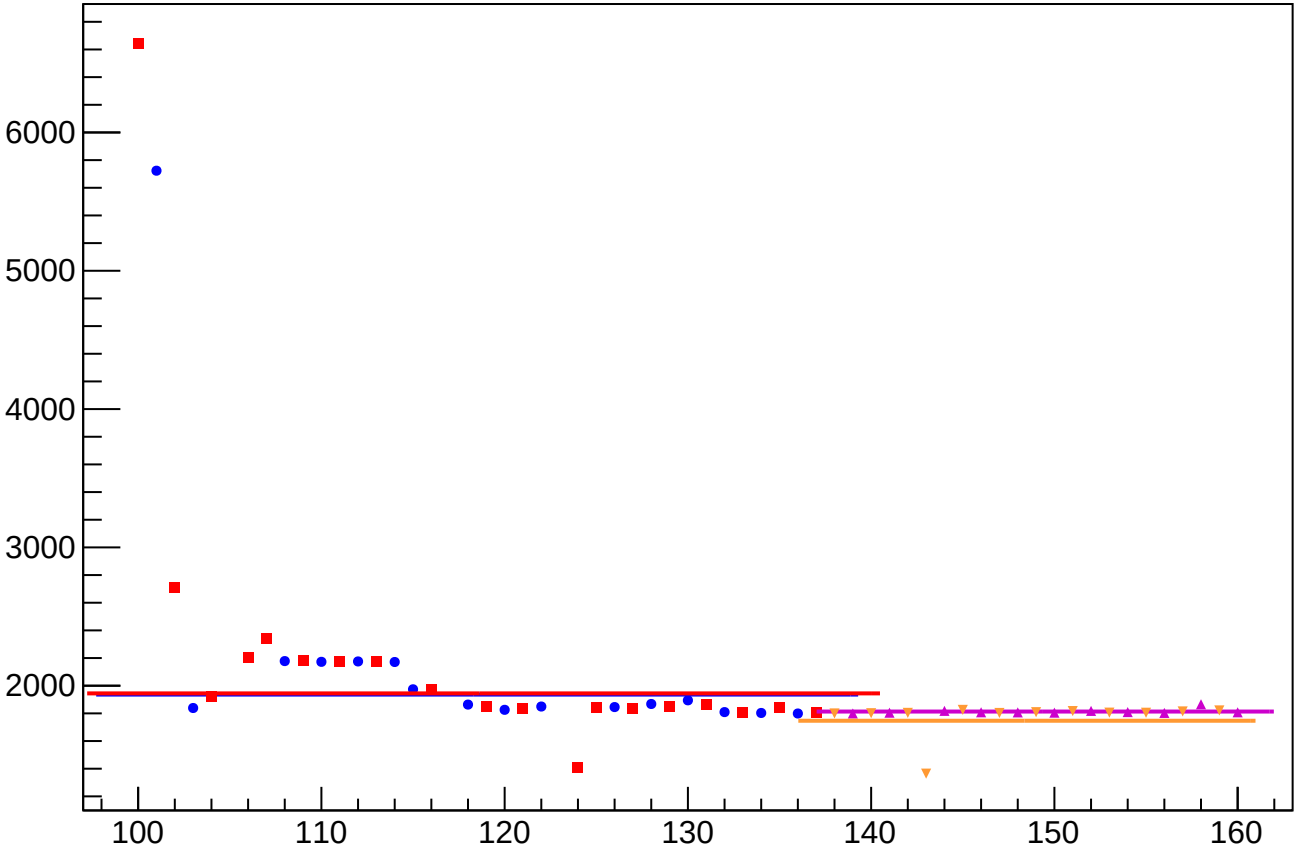
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -490.151+/-458.635 χ^2/NDF:33.2/26

Out: -426.700+/-446.853 χ^2/NDF:26.3/30

All: -457.600+/-320.057 χ^2/NDF: 59.5/57

dit_asym_at1_dd_rms vs Slug, Sign Corrected



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: 1813.229+/-0.415 χ^2/NDF:1714.1/10

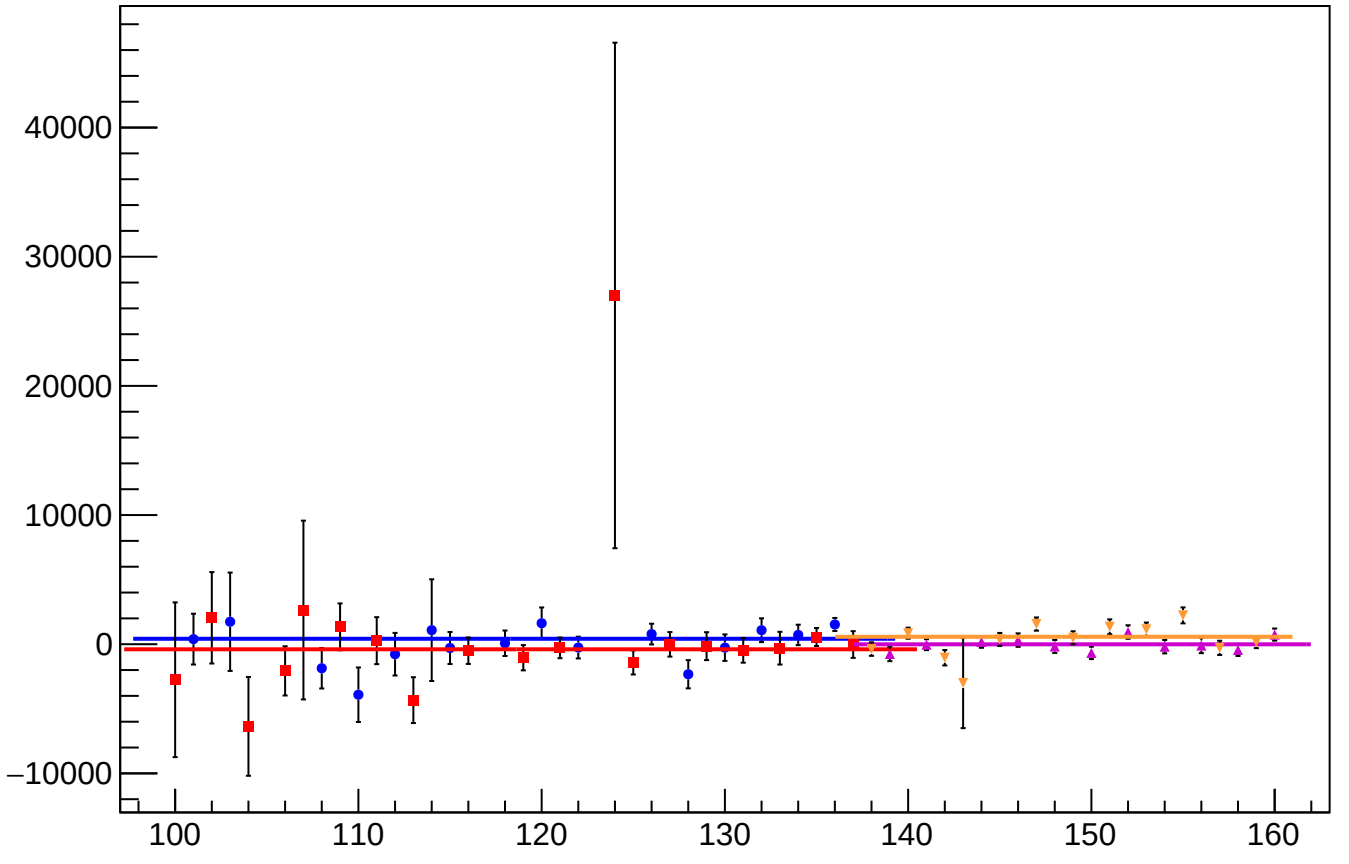
Left: 1778.863+/-0.288 χ^2/NDF: 164794.6/22

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1860.907+/-0.324 χ^2/NDF:675551.9/26

Out: 1821.836+/-0.316 χ^2/NDF:518331.6/30

All: 1840.863+/-0.226 χ^2/NDF: 1201329.6/57



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: -7.789+/-149.239 χ^2/NDF:11.1/10

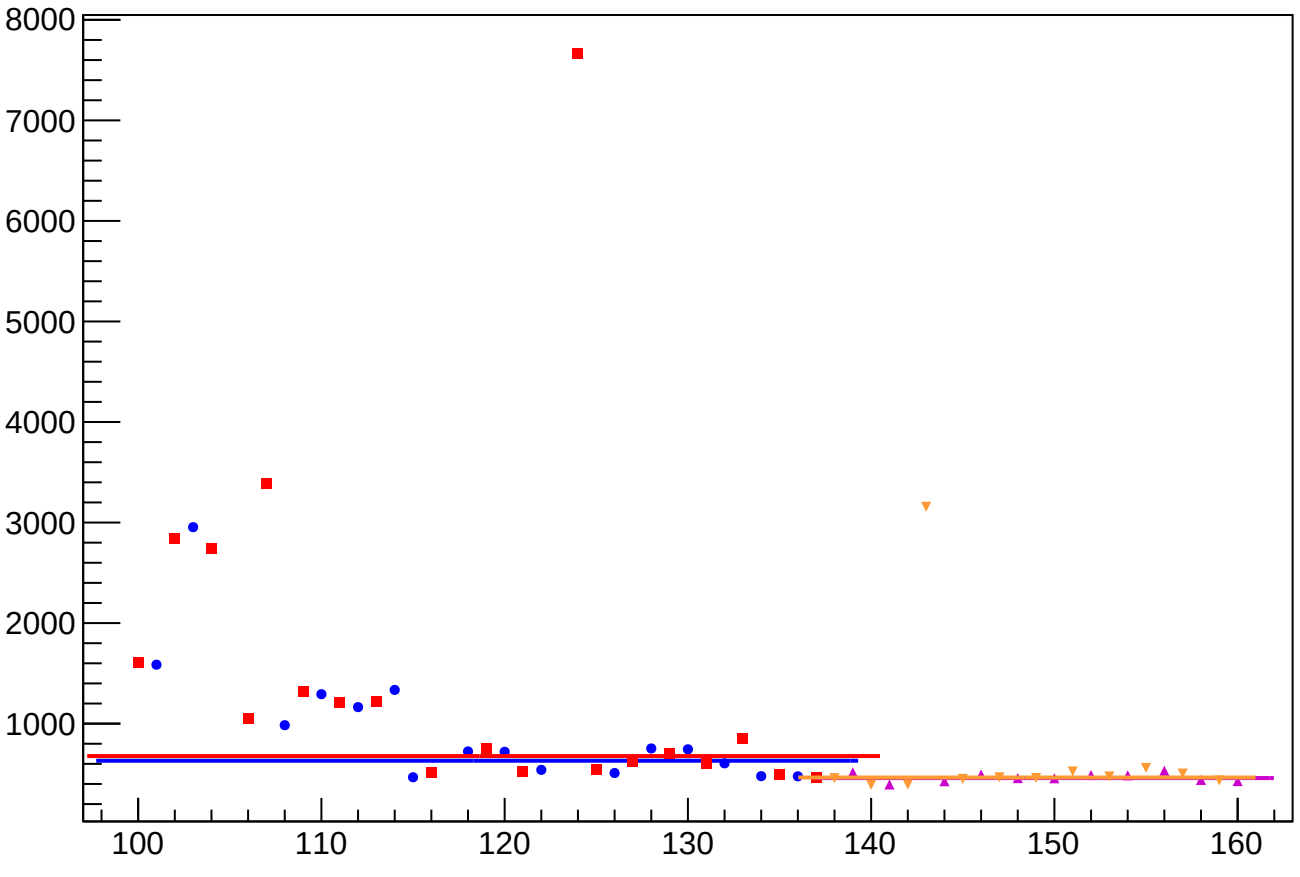
Left: 269.515+/-108.016 χ^2/NDF: 47.8/22

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 100.535+/-129.026 χ^2/NDF:34.7/26

Out: 343.505+/-136.584 χ^2/NDF:54.4/30

All: 215.111+/-93.793 χ^2/NDF: 90.8/57



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: 458.567+/-0.106 χ^2/NDF:140531.6/10

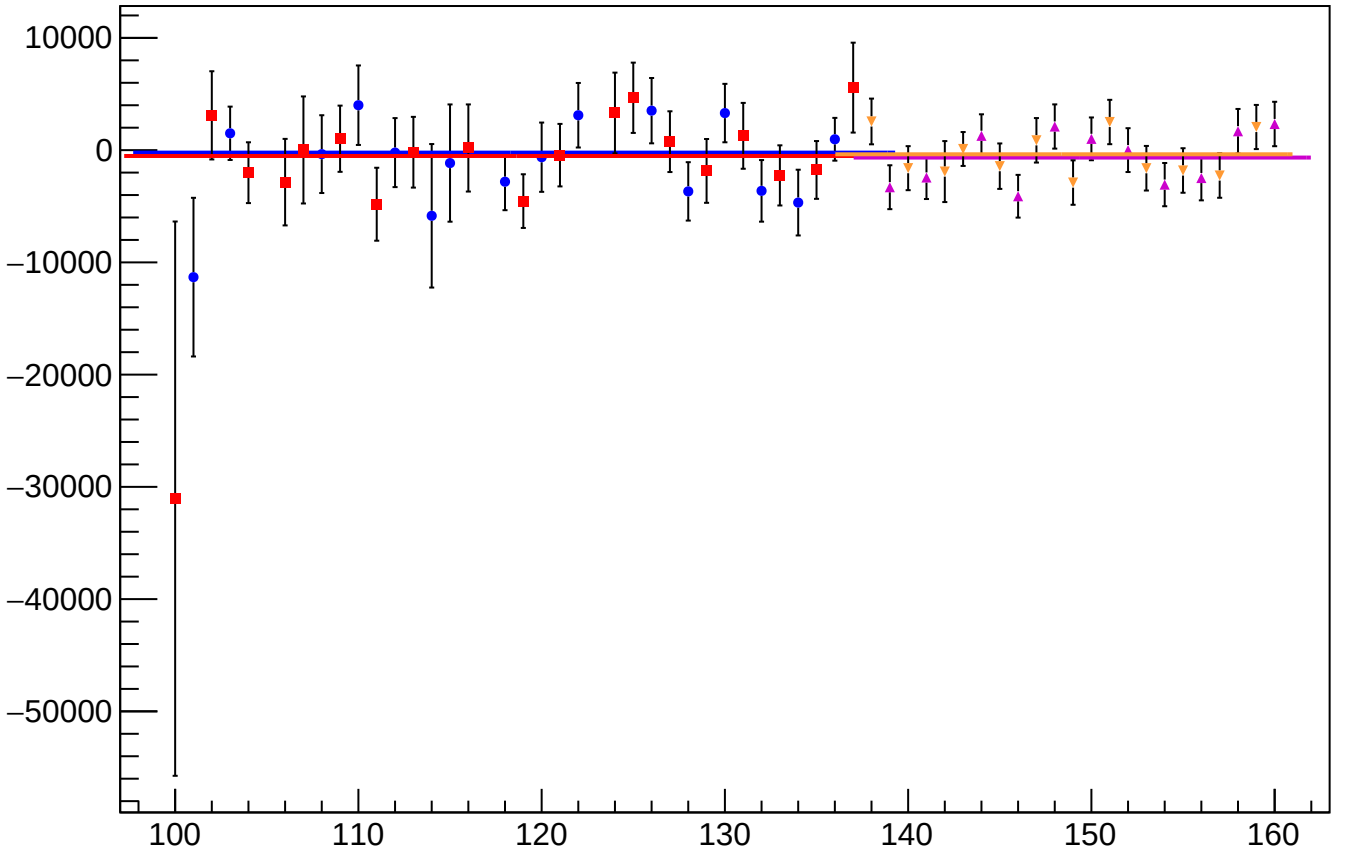
Left: 461.284+/-0.076 χ^2/NDF: 1503869.9/22

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 502.149+/-0.091 χ^2/NDF:3050379.5/26

Out: 515.155+/-0.097 χ^2/NDF:5328751.5/30

All: 508.282+/-0.066 χ^2/NDF: 8388713.7/57



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -369.378+/-567.462 χ^2/NDF:10.6/11

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -661.482+/-586.466 χ^2/NDF:15.9/10

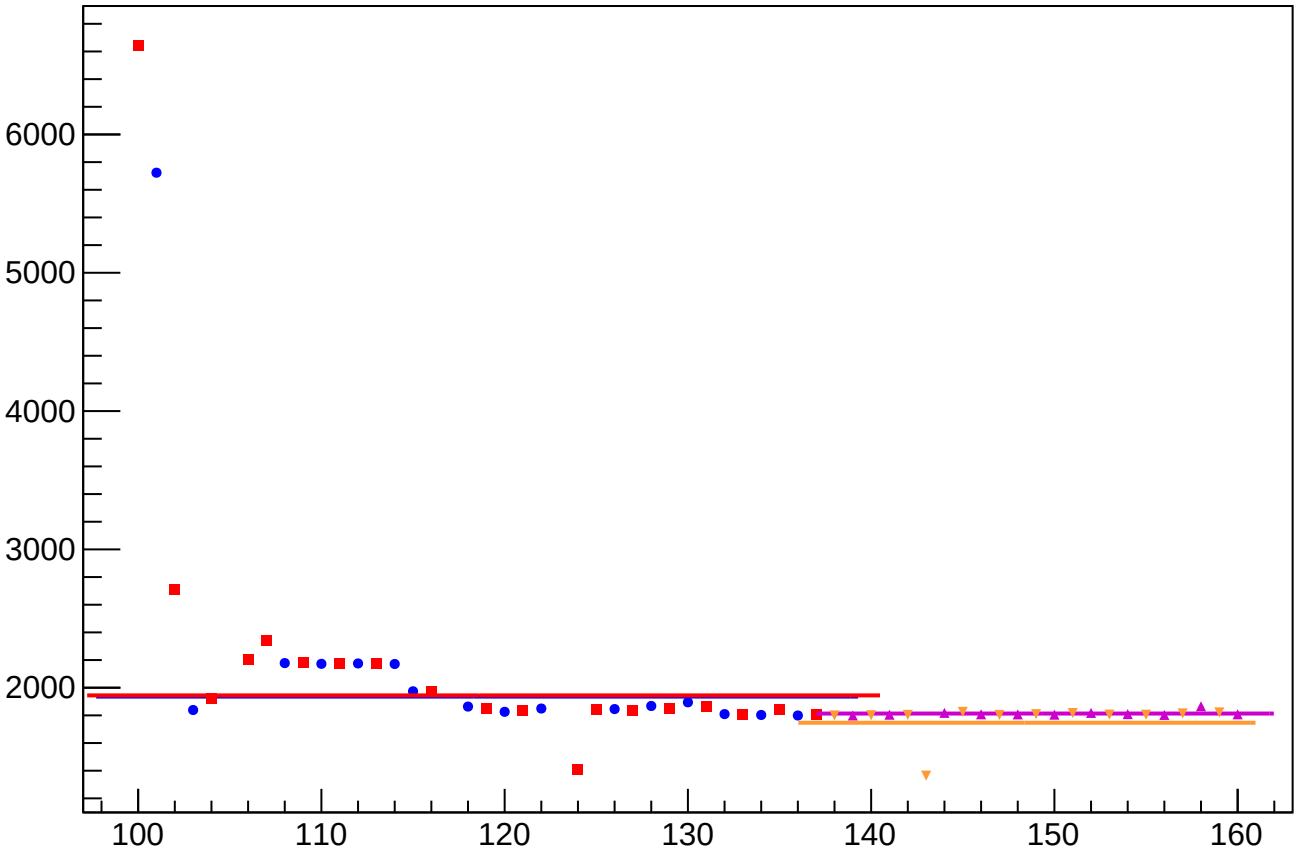
Left: -510.620+/-407.809 χ^2/NDF: 26.7/22

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -490.151+/-458.635 χ^2/NDF:33.2/26

Out: -426.701+/-446.853 χ^2/NDF:26.3/30

All: -457.601+/-320.057 χ^2/NDF: 59.5/57



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: 1813.229+/-0.415 χ^2/NDF:1714.1/10

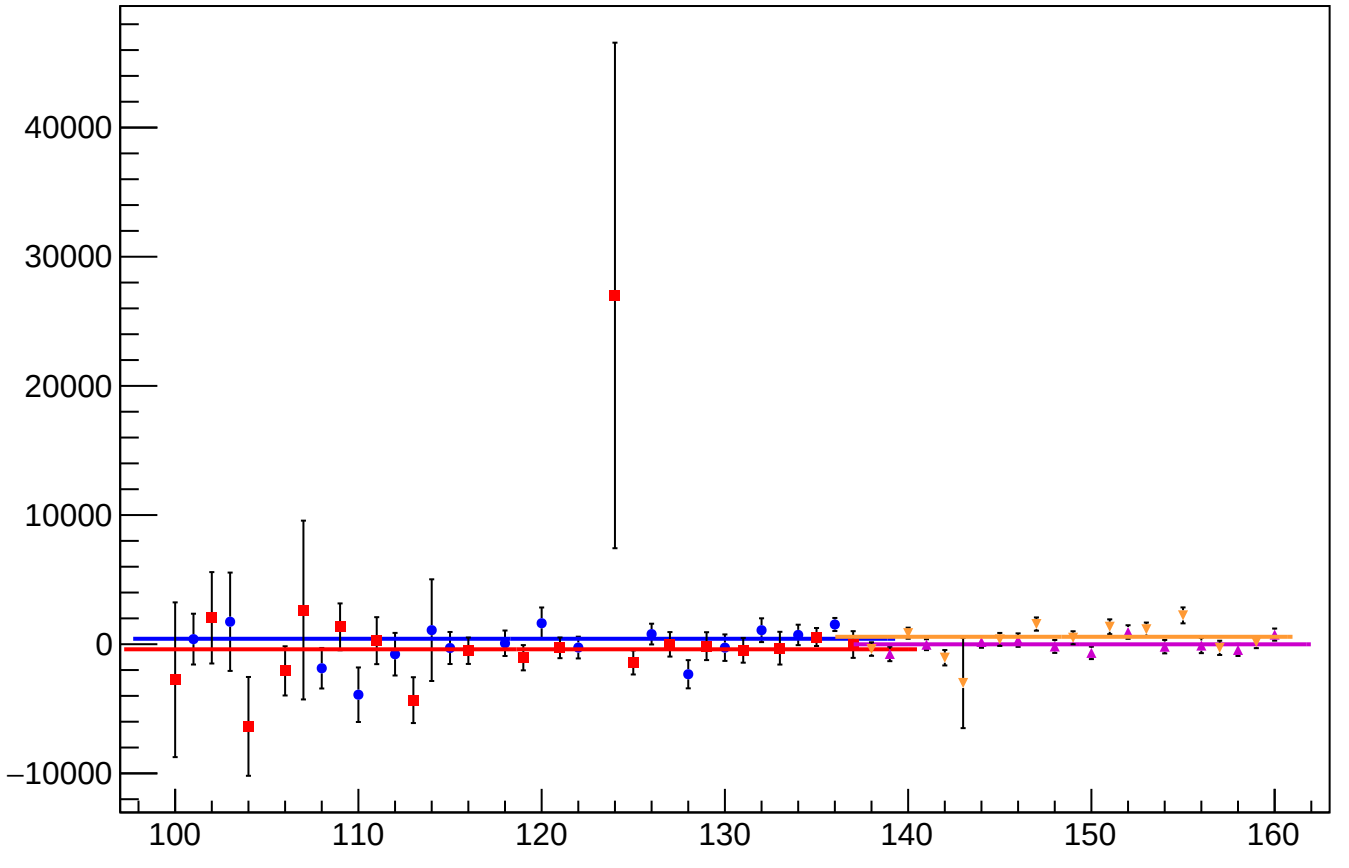
Left: 1778.863+/-0.288 χ^2/NDF: 164794.6/22

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1860.907+/-0.324 χ^2/NDF:675551.9/26

Out: 1821.836+/-0.316 χ^2/NDF:518331.4/30

All: 1840.863+/-0.226 χ^2/NDF: 1201329.3/57



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: -7.788+/-149.239 χ^2/NDF:11.1/10

Left: 269.515+/-108.016 χ^2/NDF: 47.8/22

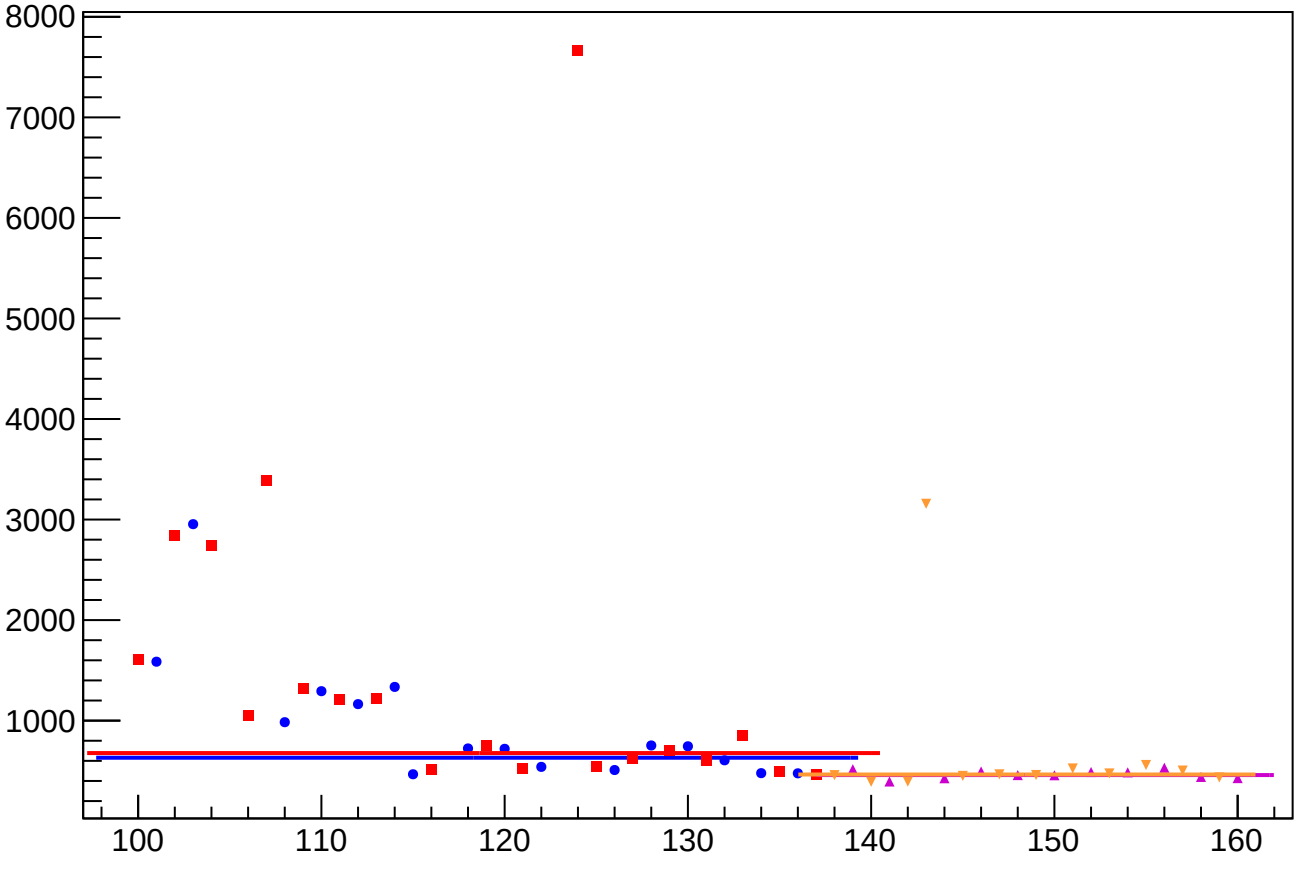
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 100.535+/-129.025 χ^2/NDF:34.7/26

Out: 343.504+/-136.584 χ^2/NDF:54.4/30

All: 215.111+/-93.793 χ^2/NDF: 90.8/57

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 464.273+/-0.111 χ^2/NDF:1361949.4/11

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 458.567+/-0.106 χ^2/NDF:140534.4/10

Left: 461.284+/-0.076 χ^2/NDF: 1503875.8/22

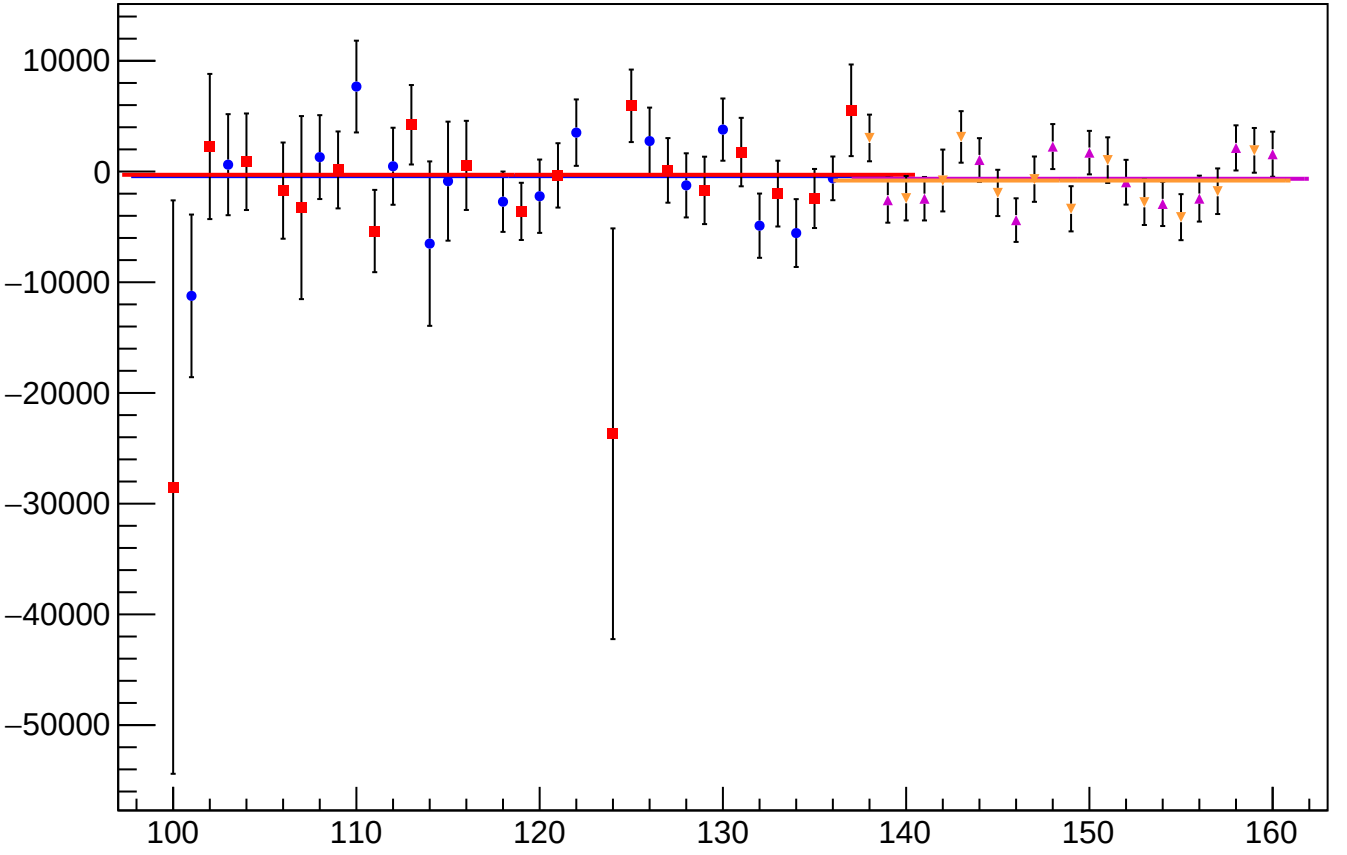
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 502.149+/-0.091 χ^2/NDF:3050381.7/26

Out: 515.154+/-0.097 χ^2/NDF:5328758.2/30

All: 508.282+/-0.066 χ^2/NDF: 8388722.3/57

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: -653.829+/-605.417 χ^2/NDF:14.7/10

Left: -732.544+/-430.038 χ^2/NDF: 29.7/22

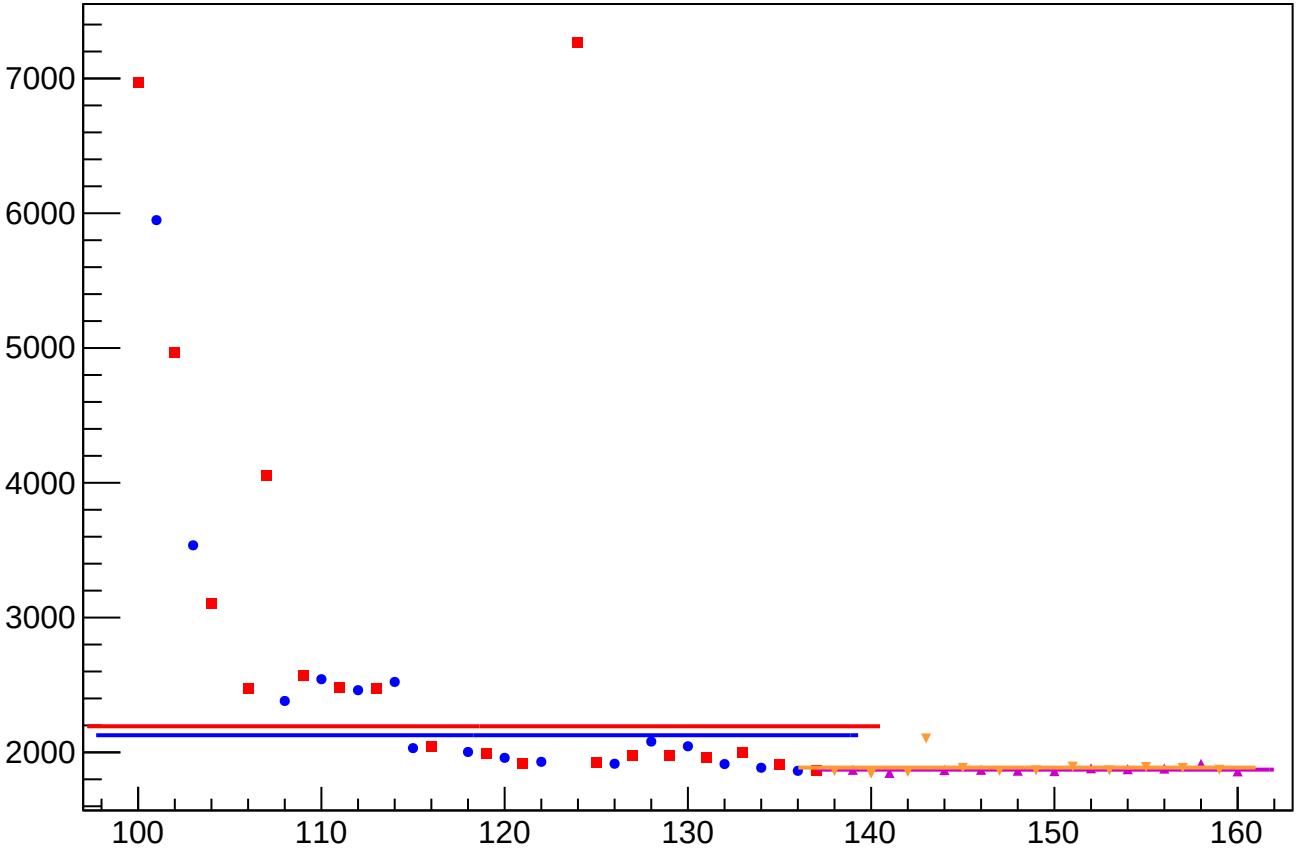
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -569.899+/-486.076 χ^2/NDF:33.1/26

Out: -631.066+/-492.363 χ^2/NDF:30.9/30

All: -600.089+/-345.909 χ^2/NDF: 64.0/57

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: 1871.810+/-0.428 χ^2/NDF:1479.0/10

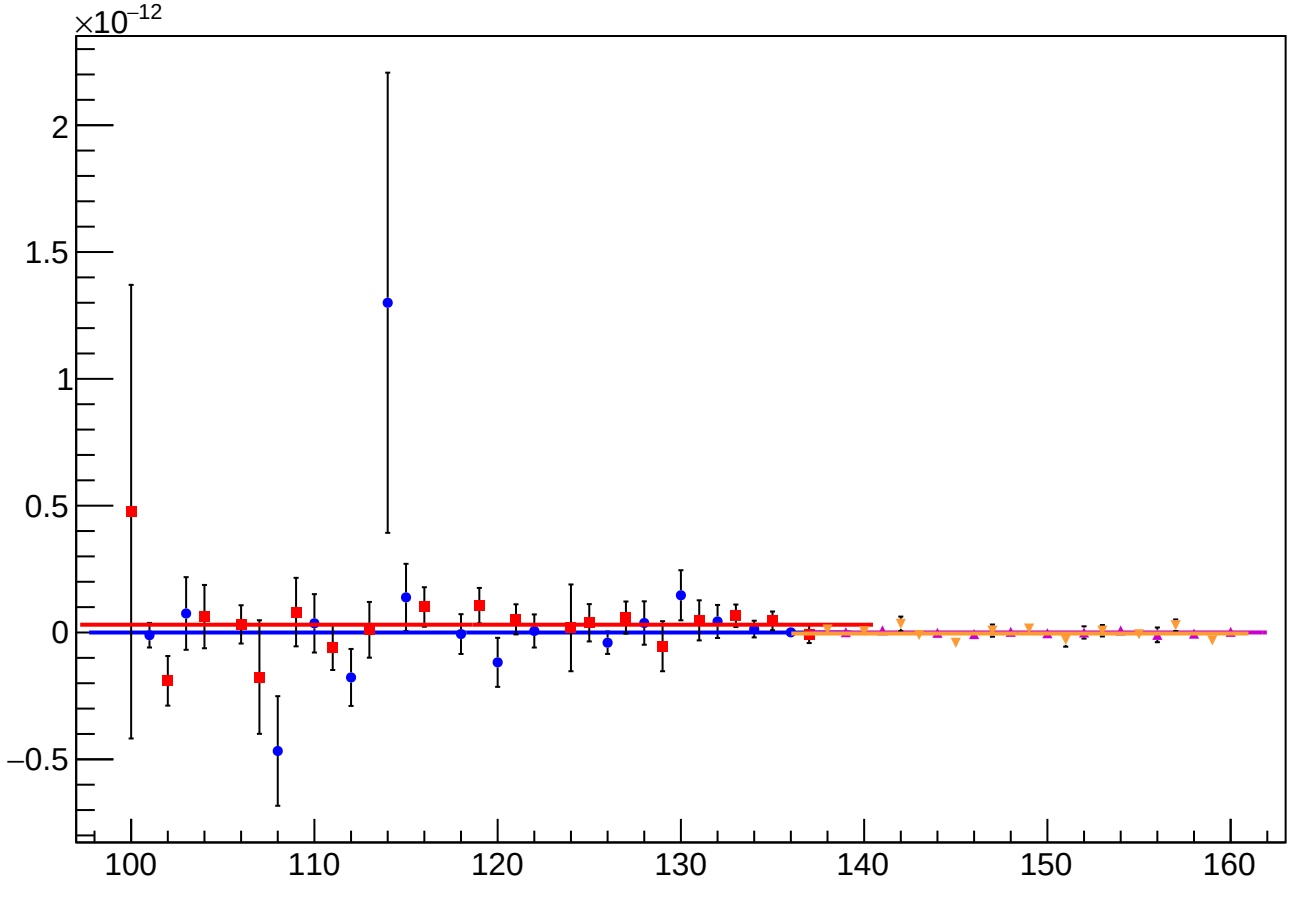
Left: 1879.349+/-0.304 χ^2/NDF: 21723.5/22

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1962.516+/-0.344 χ^2/NDF:1002881.6/26

Out: 1994.477+/-0.348 χ^2/NDF:1138683.6/30

All: 1978.291+/-0.245 χ^2/NDF: 2145833.2/57



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:1.4/10

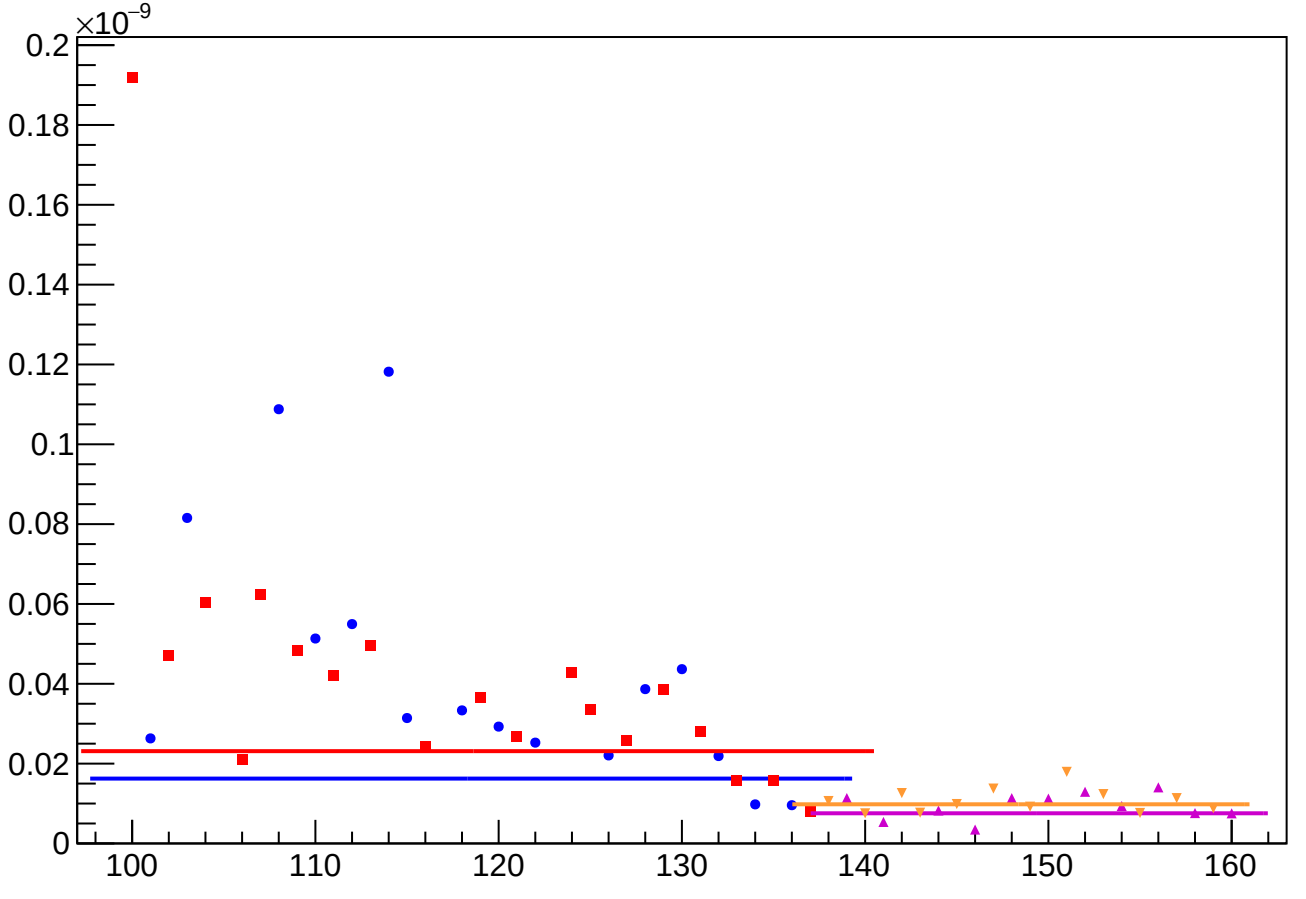
Left: -0.000+/-0.000 χ^2/NDF: 17.2/22

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.5/26

Out: -0.000+/-0.000 χ^2/NDF:32.2/30

All: -0.000+/-0.000 χ^2/NDF: 49.7/57



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:871555.5/10

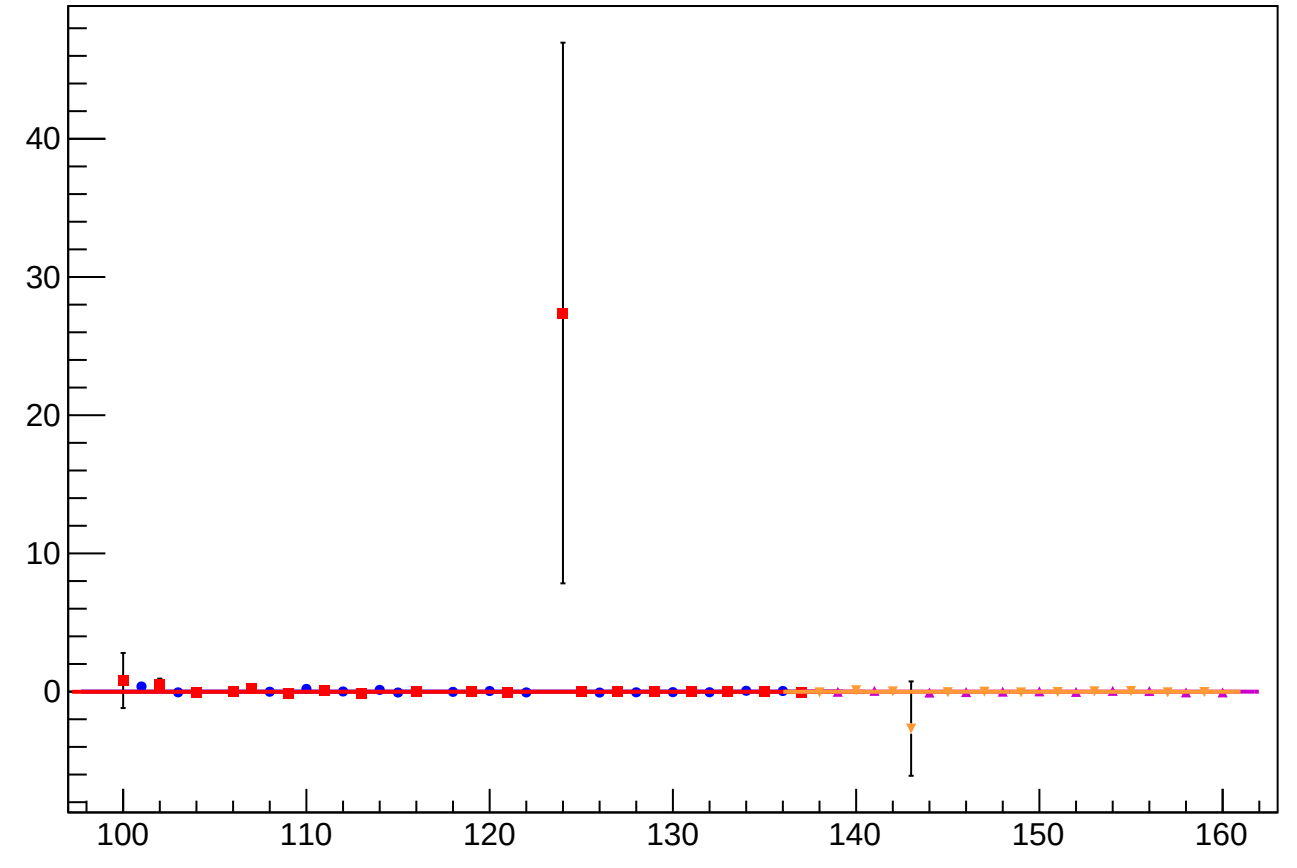
Left: 0.000+/-0.000 χ^2/NDF: 1495176.5/22

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4094123.4/26

Out: 0.000+/-0.000 χ^2/NDF:3116656.1/30

All: 0.000+/-0.000 χ^2/NDF: 7498300.2/57



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: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.006+/-0.008 χ^2/NDF: 31.7/22

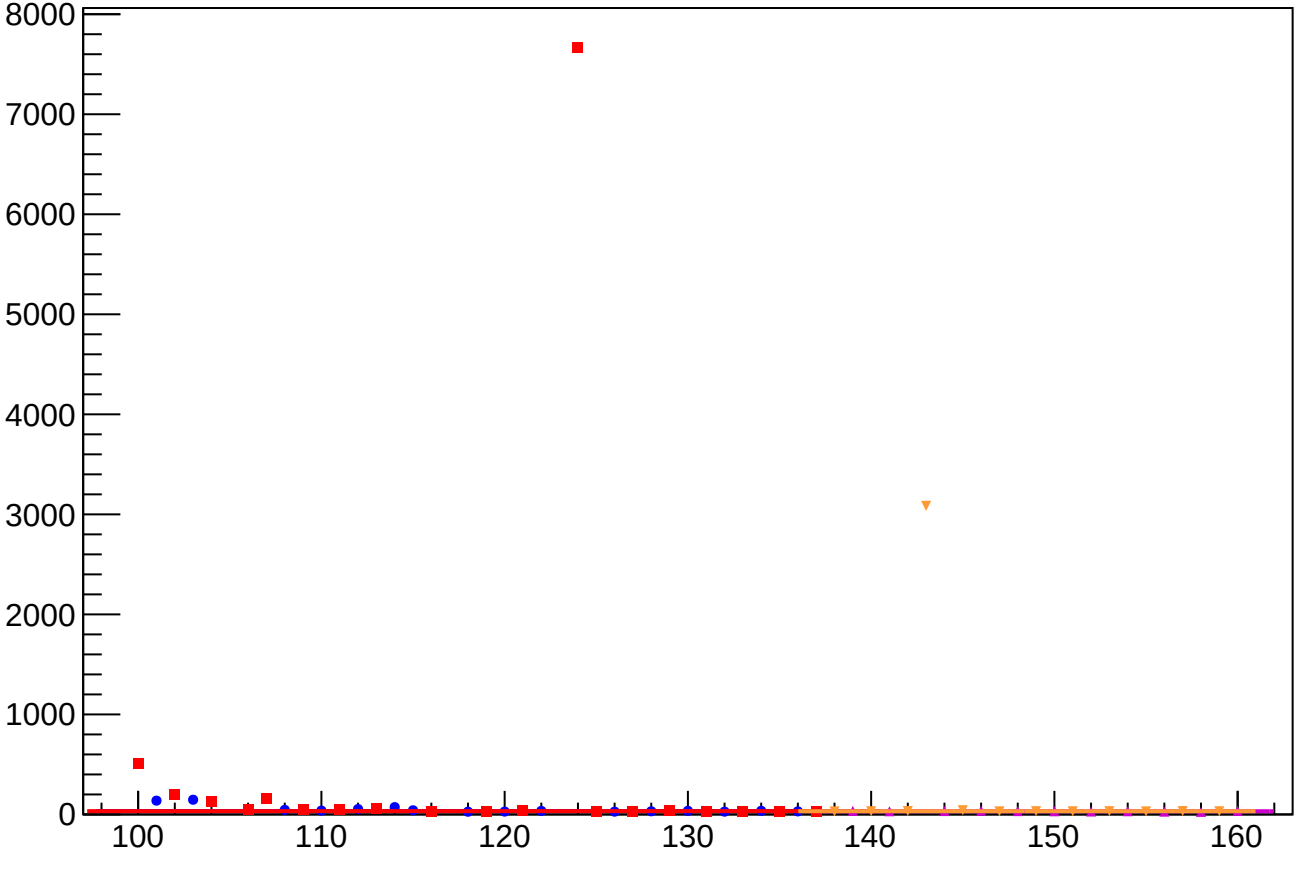
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.006+/-0.006 χ^2/NDF: 67.3/57

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: 32.037+/-0.008 χ^2/NDF:170776.7/10

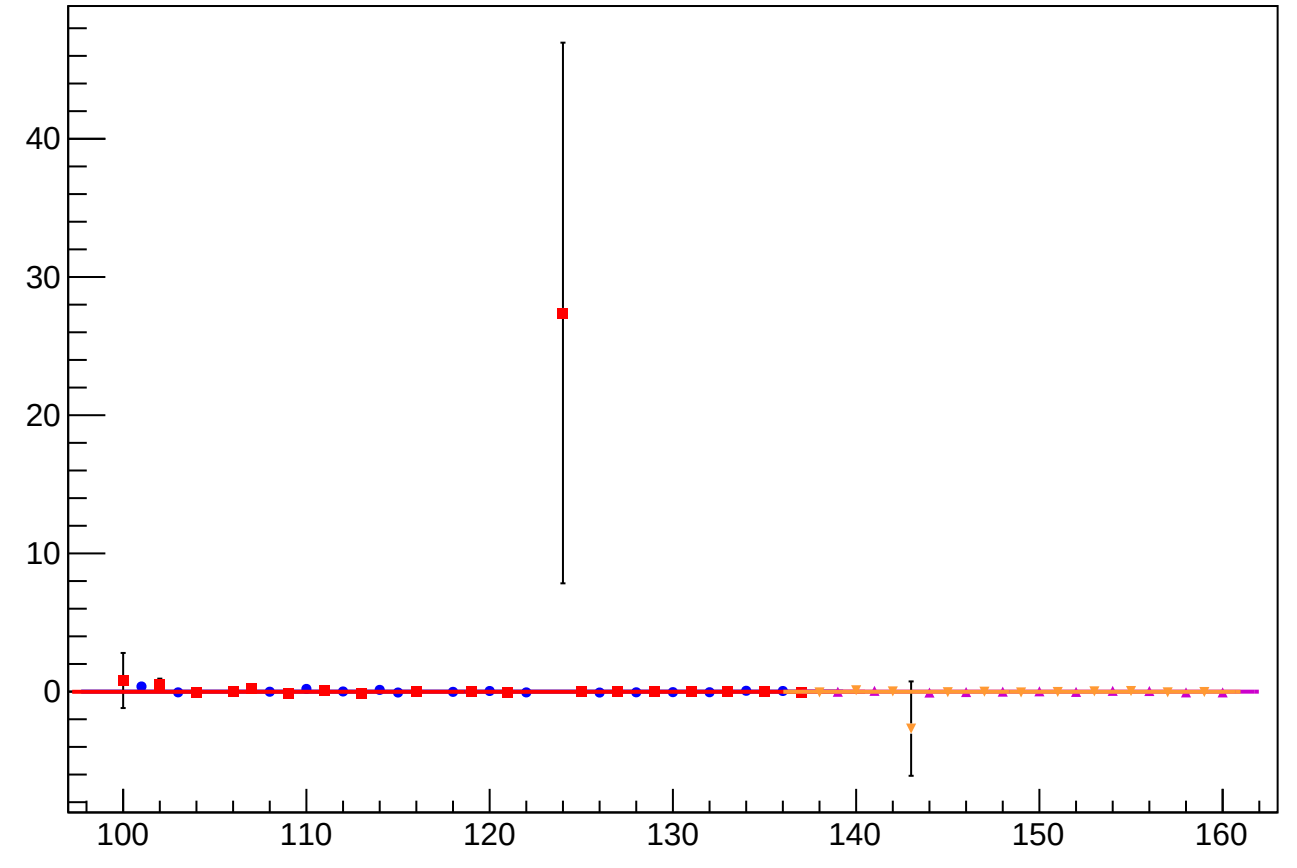
Left: 32.226+/-0.006 χ^2/NDF: 1869472.7/22

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.785+/-0.006 χ^2/NDF:1911609.2/26

Out: 32.687+/-0.007 χ^2/NDF:3774976.1/30

All: 32.737+/-0.005 χ^2/NDF: 5686700.6/57



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: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.006+/-0.008 χ^2/NDF: 31.7/22

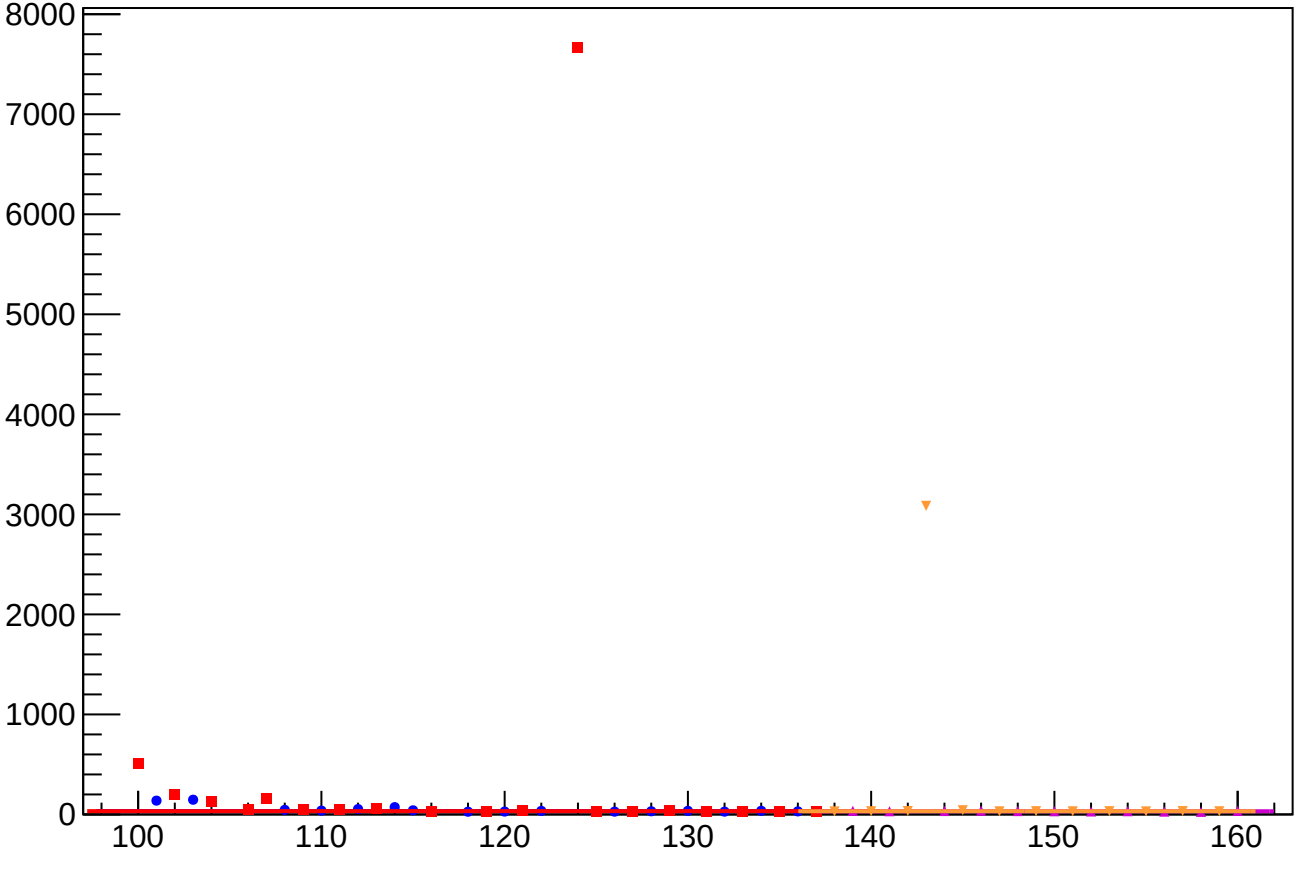
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.006+/-0.006 χ^2/NDF: 67.3/57

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: 32.037+/-0.008 χ^2/NDF:170776.7/10

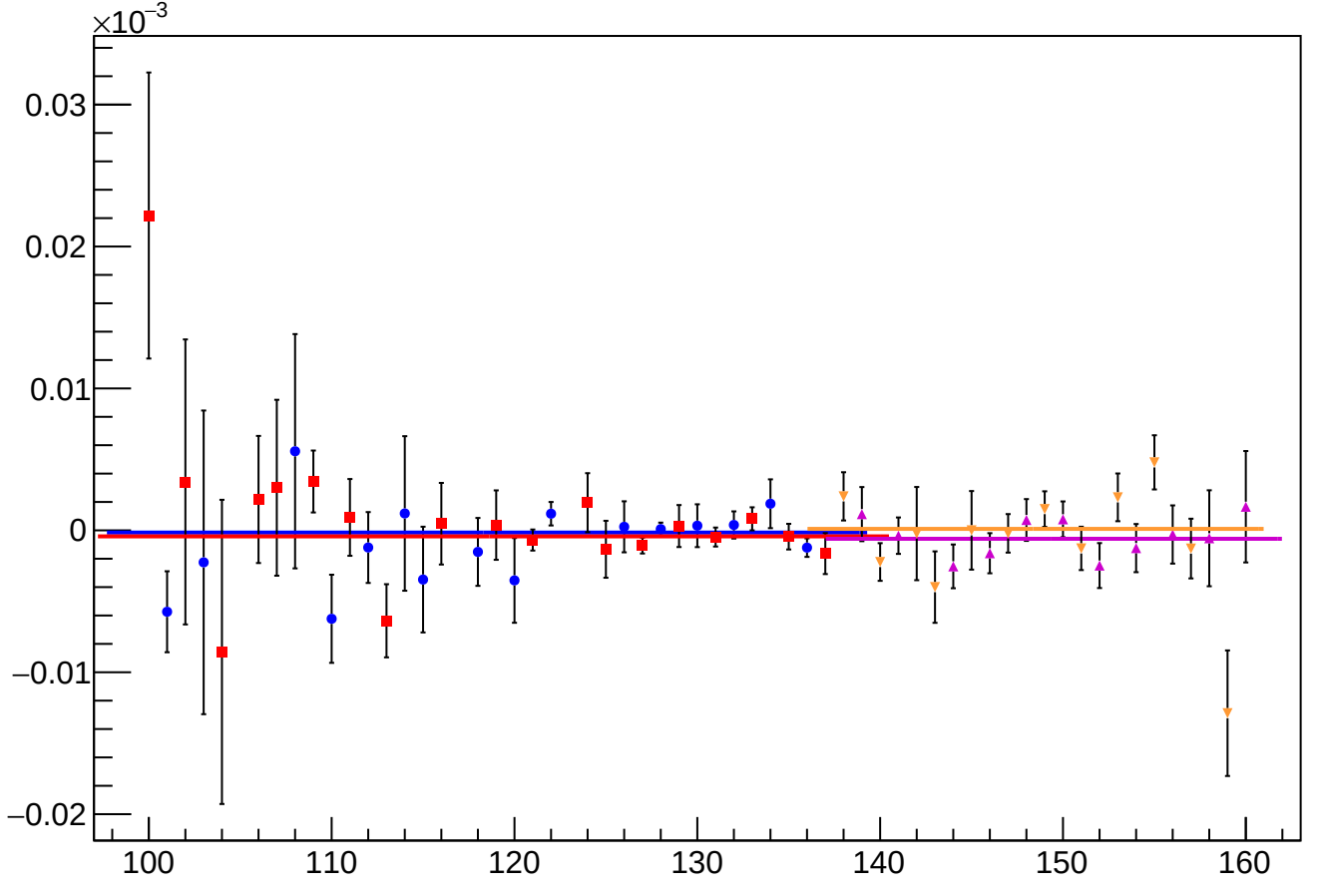
Left: 32.226+/-0.006 χ^2/NDF: 1869472.7/22

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.785+/-0.006 χ^2/NDF:1911609.2/26

Out: 32.687+/-0.007 χ^2/NDF:3774976.1/30

All: 32.737+/-0.005 χ^2/NDF: 5686700.6/57



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:6.9/10

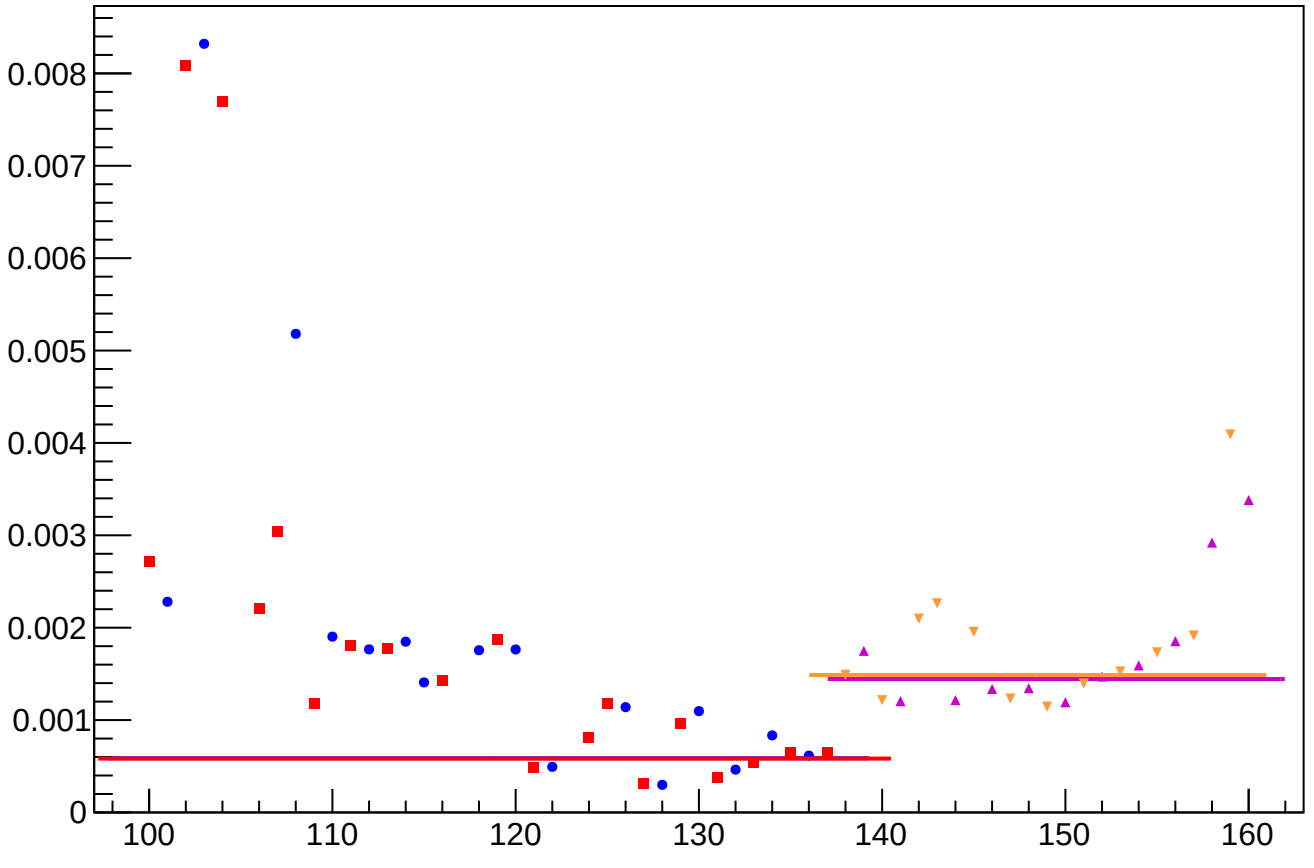
Left: -0.000+/-0.000 χ^2/NDF: 34.4/22

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.6/26

Out: -0.000+/-0.000 χ^2/NDF:48.9/30

All: -0.000+/-0.000 χ^2/NDF: 74.5/57



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:1229543.0/10

Left: 0.001+/-0.000 χ^2/NDF: 2674448.5/22

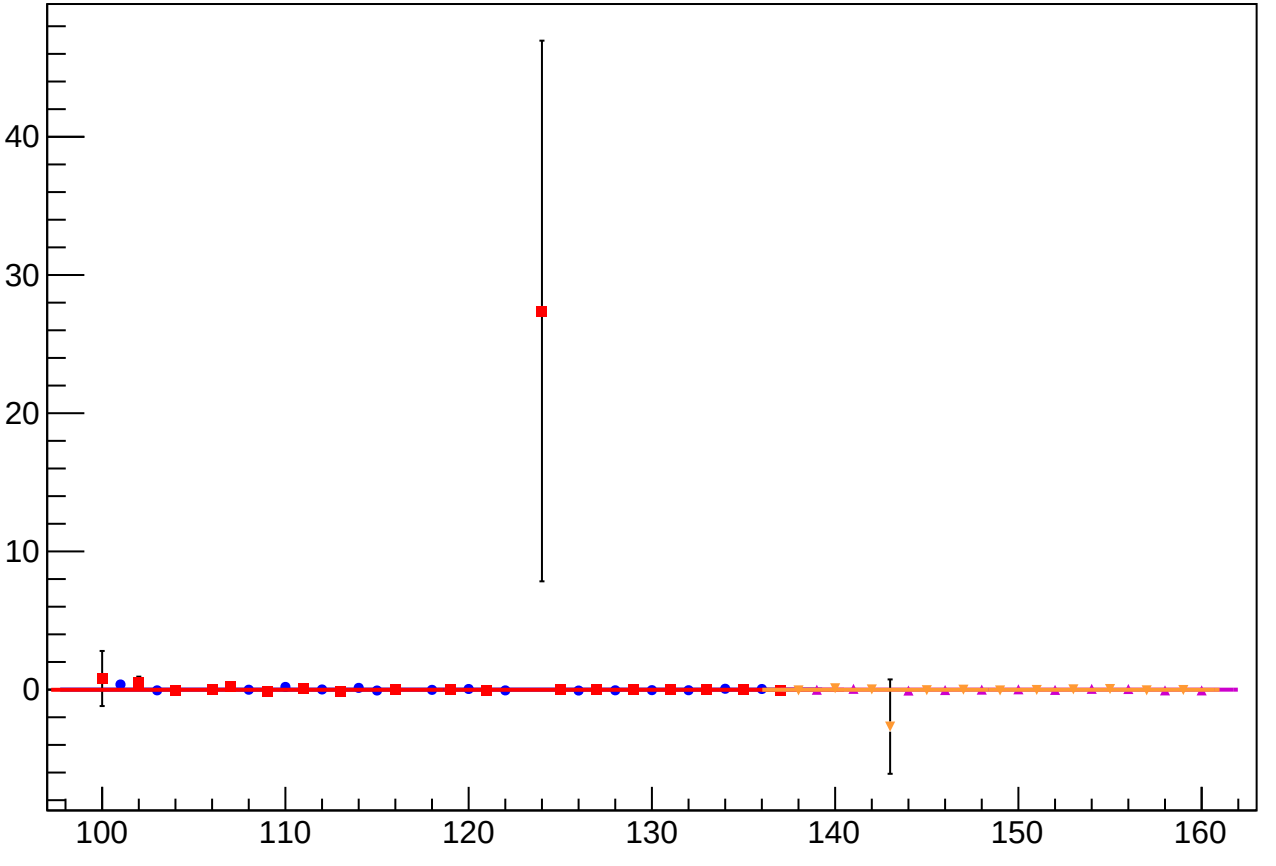
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11113882.8/26

Out: 0.001+/-0.000 χ^2/NDF:11634159.3/30

All: 0.001+/-0.000 χ^2/NDF: 22749961.6/57

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.006+/-0.008 χ^2/NDF: 31.7/22

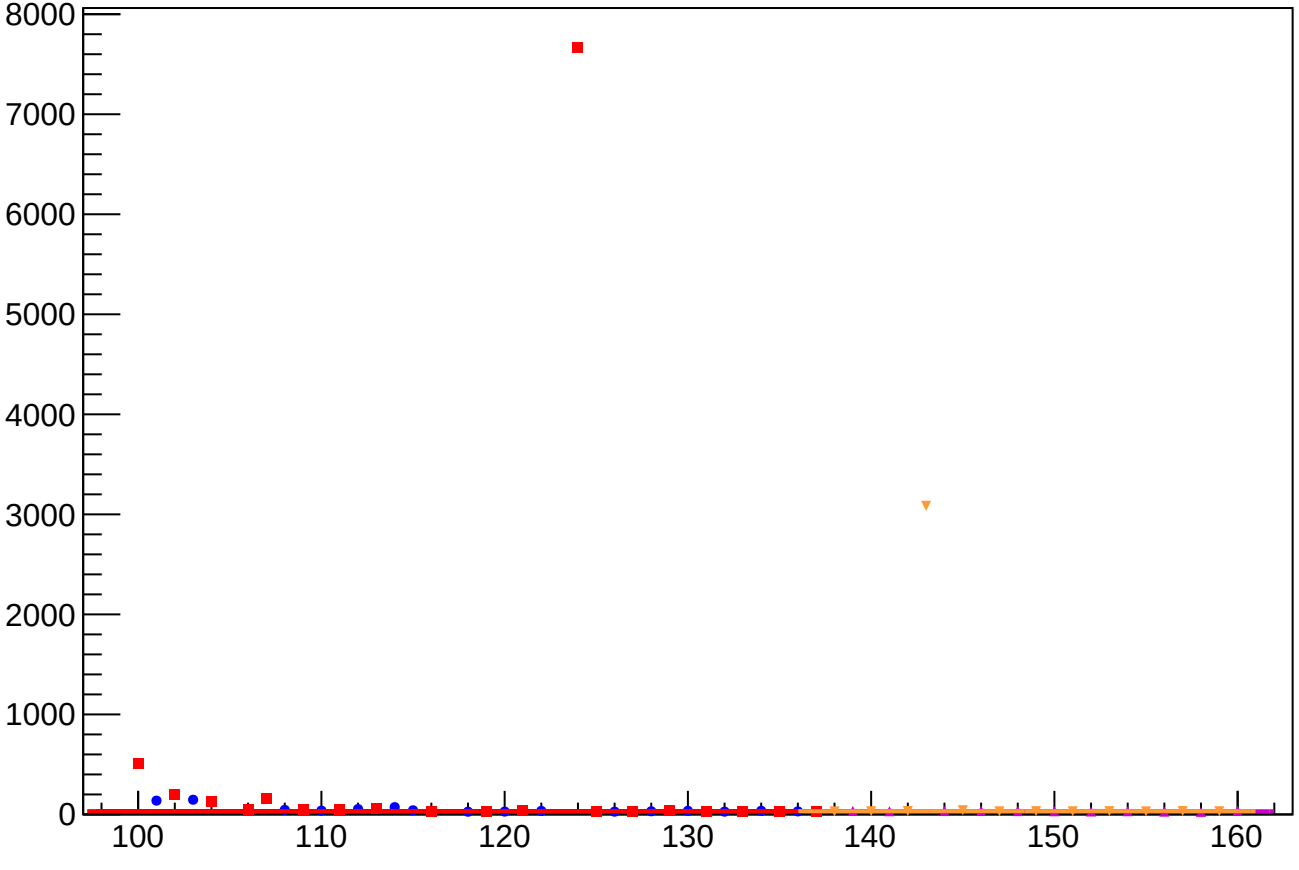
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.006+/-0.006 χ^2/NDF: 67.3/57

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: 32.037+/-0.008 χ^2/NDF:170713.9/10

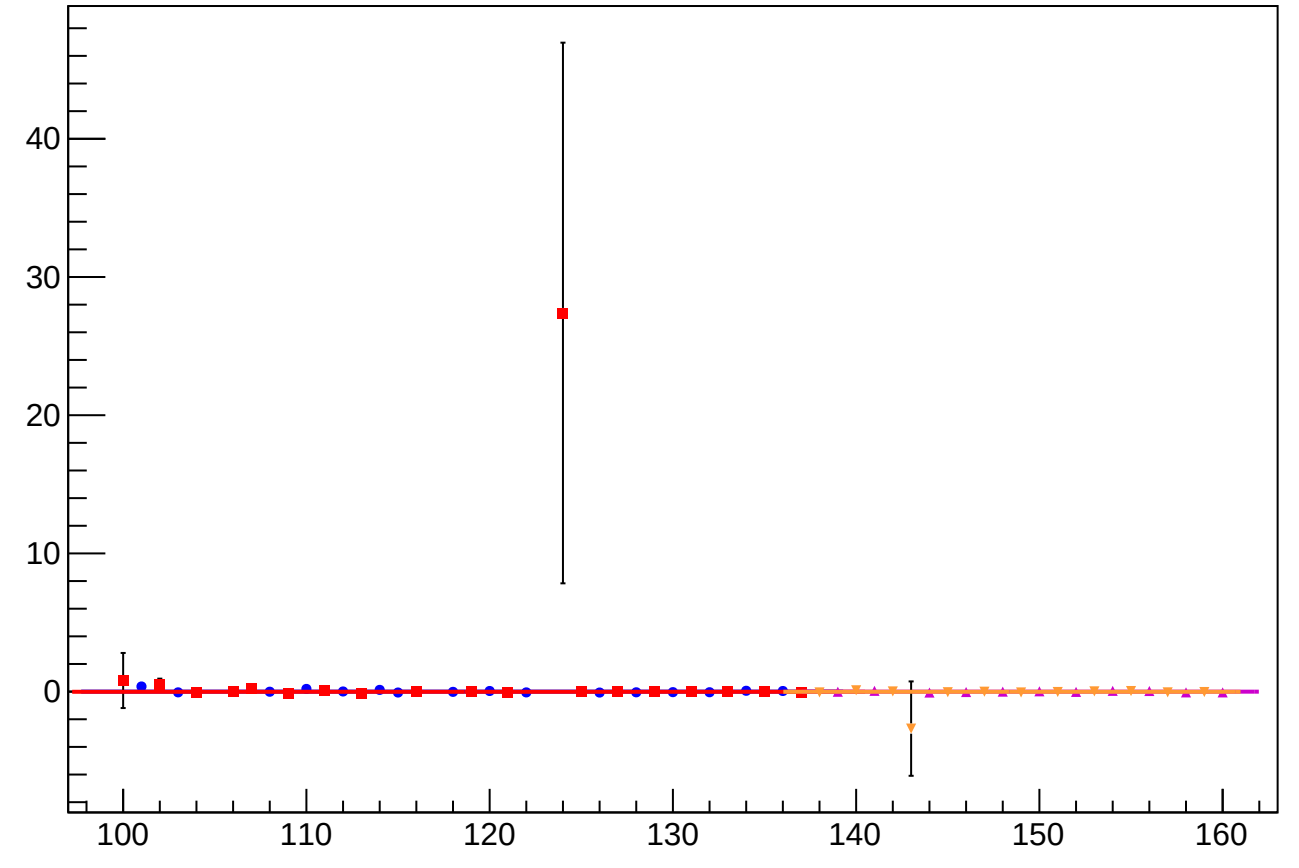
Left: 32.227+/-0.006 χ^2/NDF: 1869409.3/22

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.006 χ^2/NDF:1911525.8/26

Out: 32.687+/-0.007 χ^2/NDF:3774958.1/30

All: 32.737+/-0.005 χ^2/NDF: 5686599.9/57



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: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.006+/-0.008 χ^2/NDF: 31.7/22

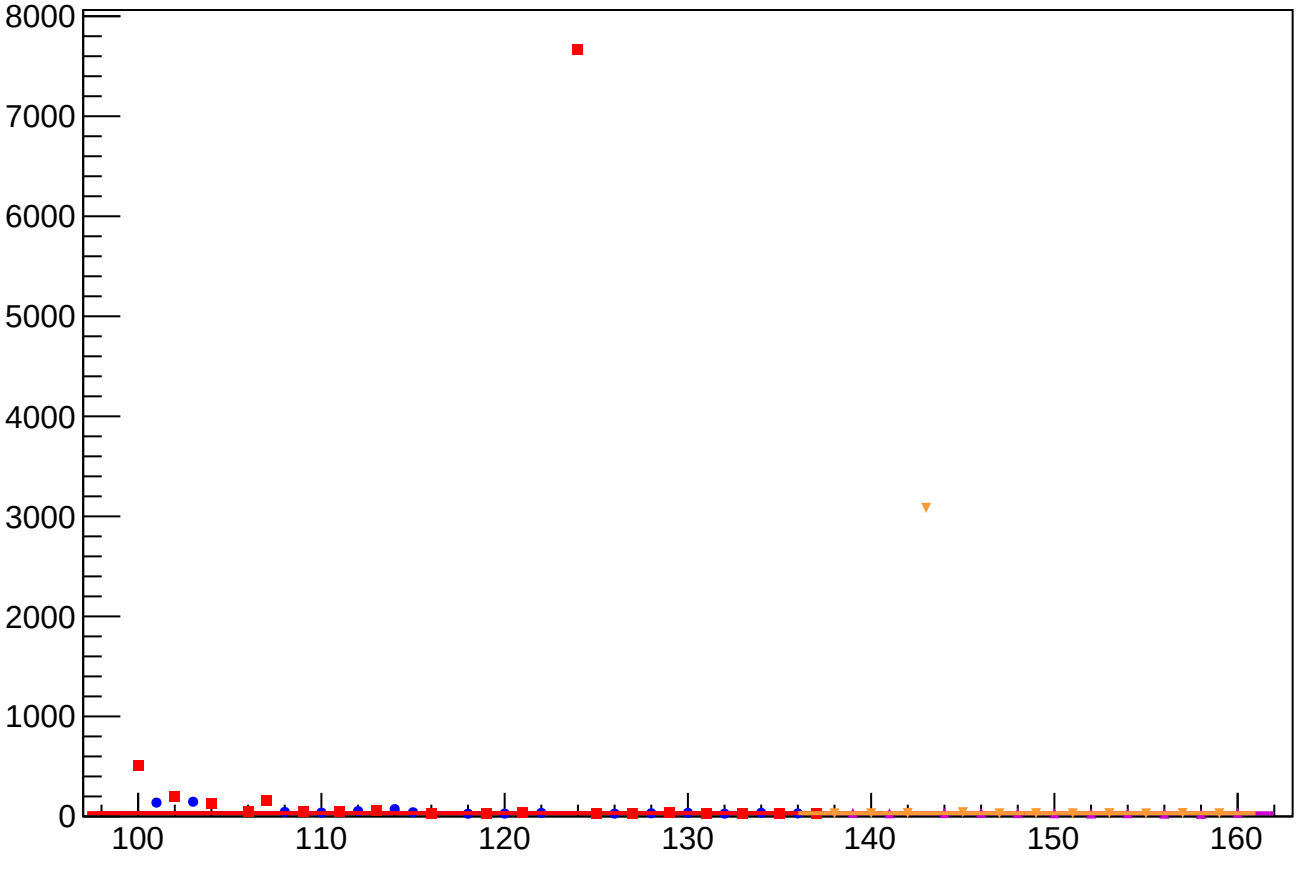
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/30

All: -0.006+/-0.006 χ^2/NDF: 67.3/57

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: 32.037+/-0.008 χ^2/NDF:170713.9/10

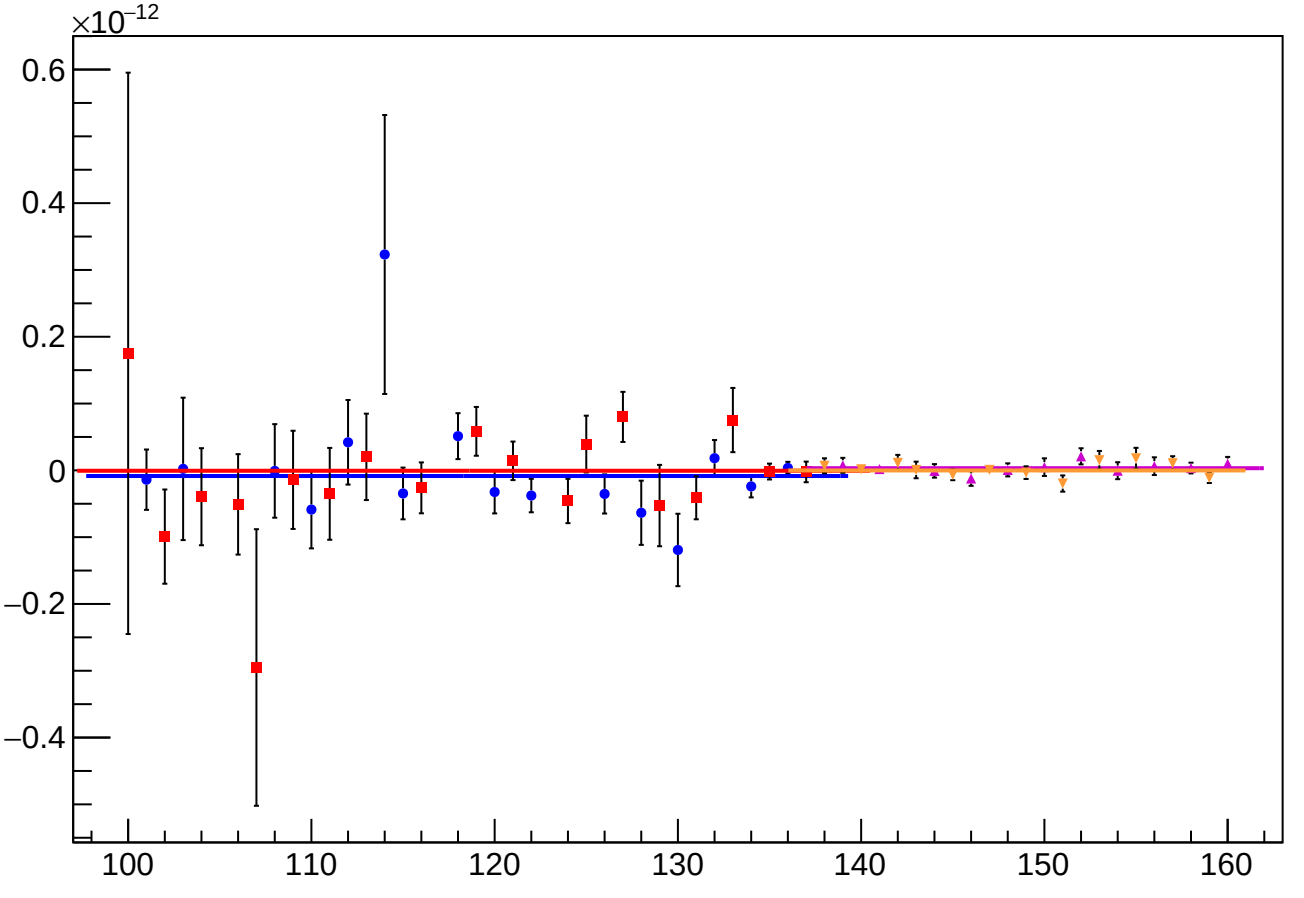
Left: 32.227+/-0.006 χ^2/NDF: 1869409.3/22

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.006 χ^2/NDF:1911525.8/26

Out: 32.687+/-0.007 χ^2/NDF:3774958.1/30

All: 32.737+/-0.005 χ^2/NDF: 5686599.9/57



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:5.2/10

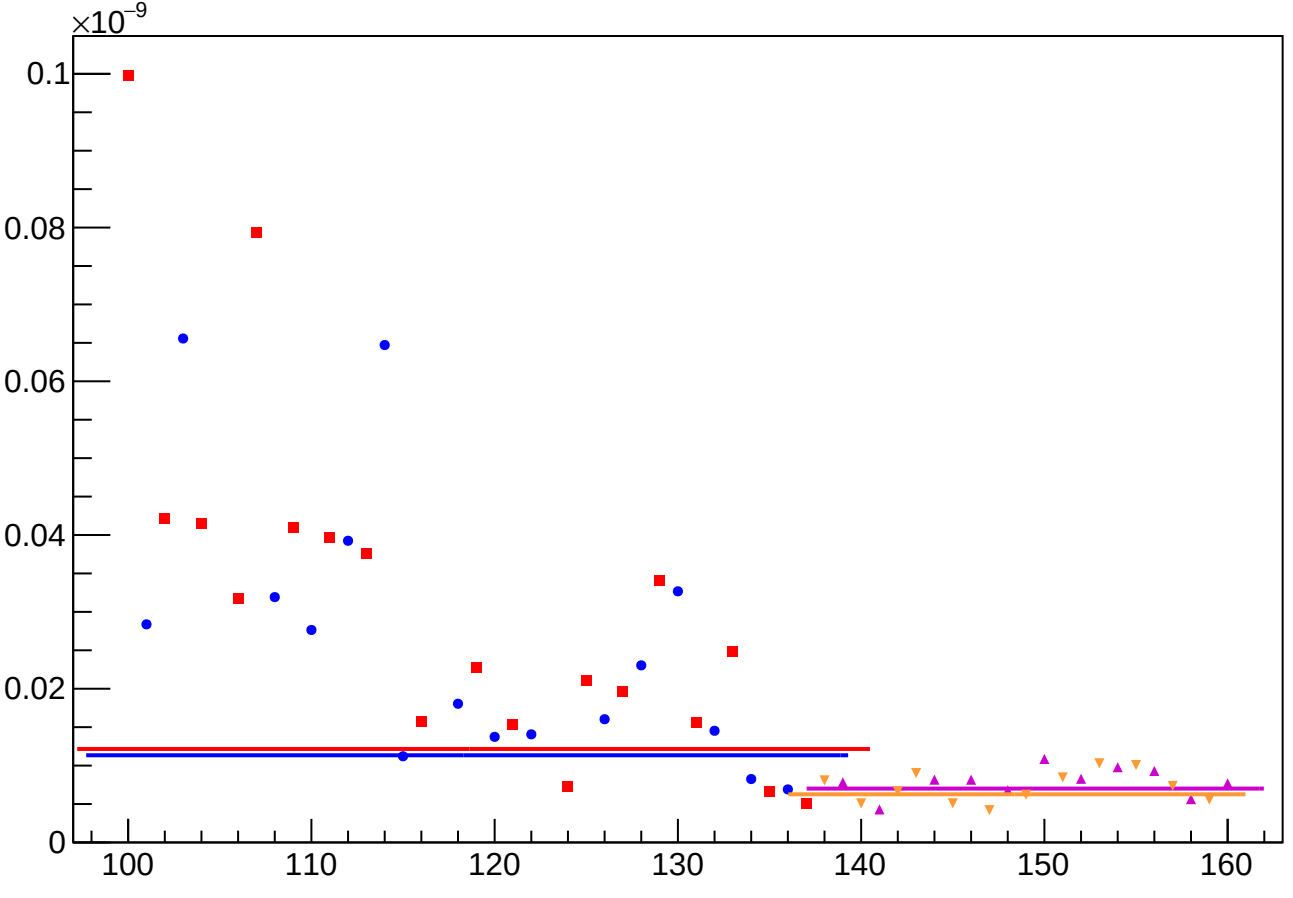
Left: 0.000+/-0.000 χ^2/NDF: 16.1/22

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:27.2/26

Out: -0.000+/-0.000 χ^2/NDF:31.0/30

All: 0.000+/-0.000 χ^2/NDF: 58.3/57



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:863875.5/10

Left: 0.000+/-0.000 χ^2/NDF: 1736088.1/22

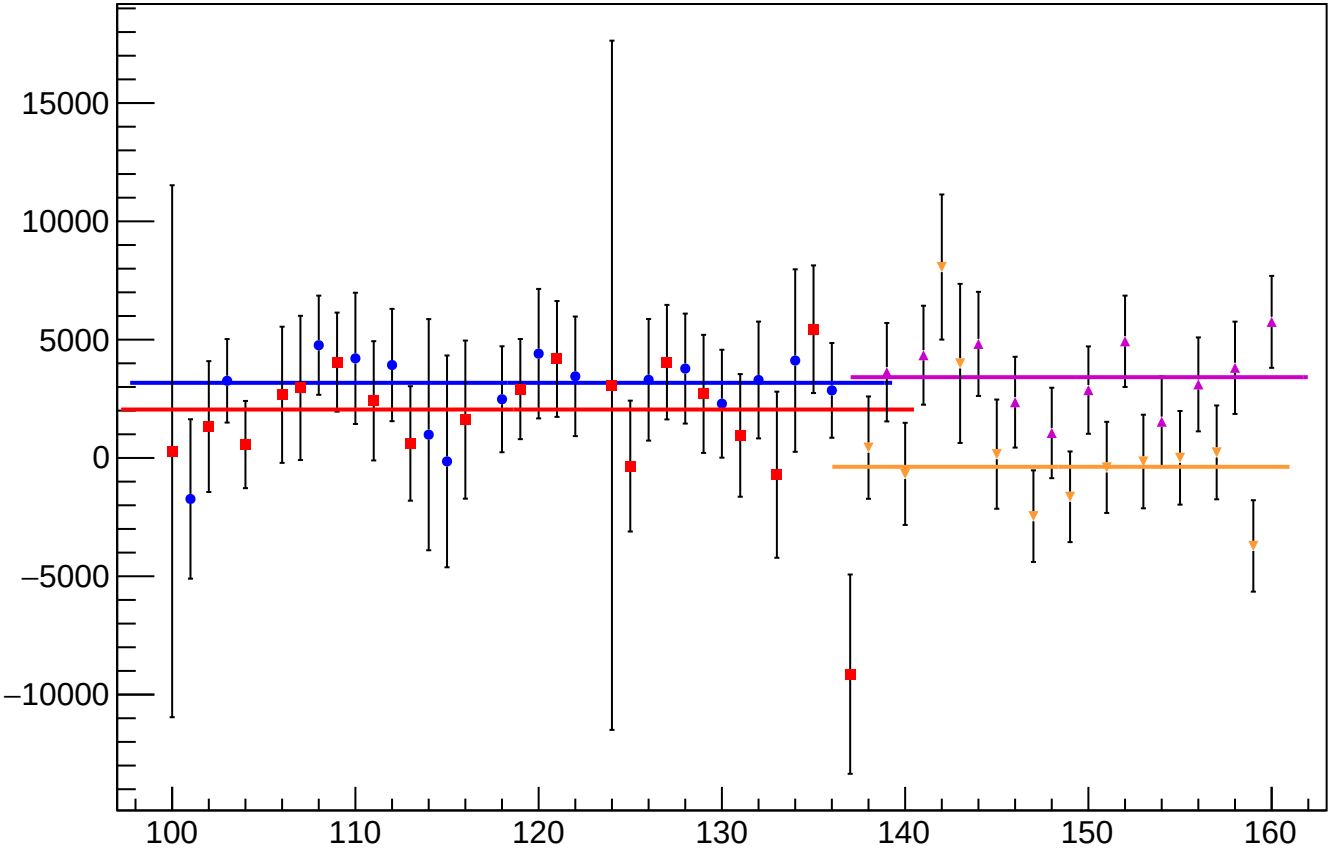
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4431603.5/26

Out: 0.000+/-0.000 χ^2/NDF:5718324.5/30

All: 0.000+/-0.000 χ^2/NDF: 10234664.8/57

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: 3414.182+/-594.735 χ^2/NDF:5.6/10

Left: 1580.036+/-427.159 χ^2/NDF: 39.5/22

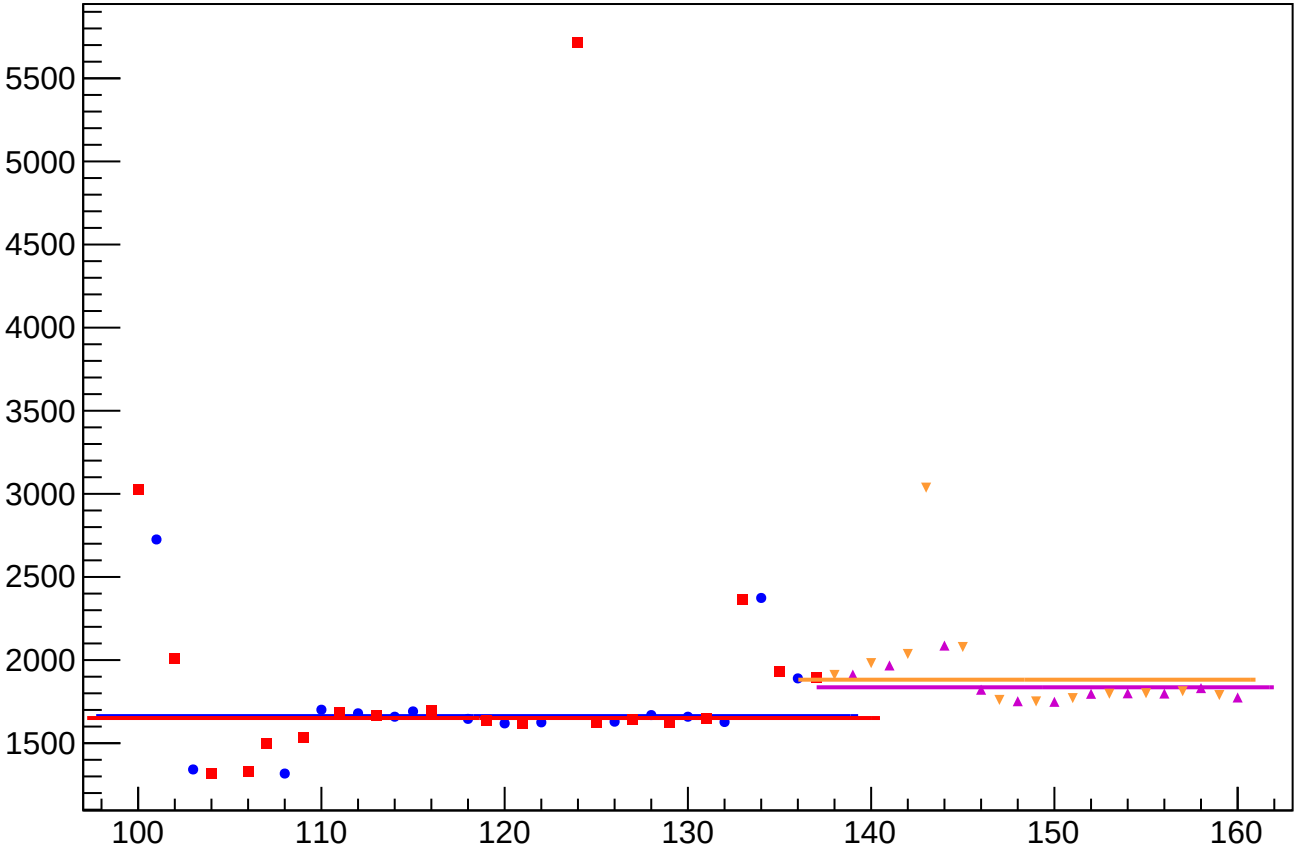
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3301.375+/-431.820 χ^2/NDF:10.0/26

Out: 821.685+/-436.758 χ^2/NDF:36.0/30

All: 2075.627+/-307.074 χ^2/NDF: 62.3/57

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: 1836.245+/-0.421 χ^2/NDF:49299.1/10

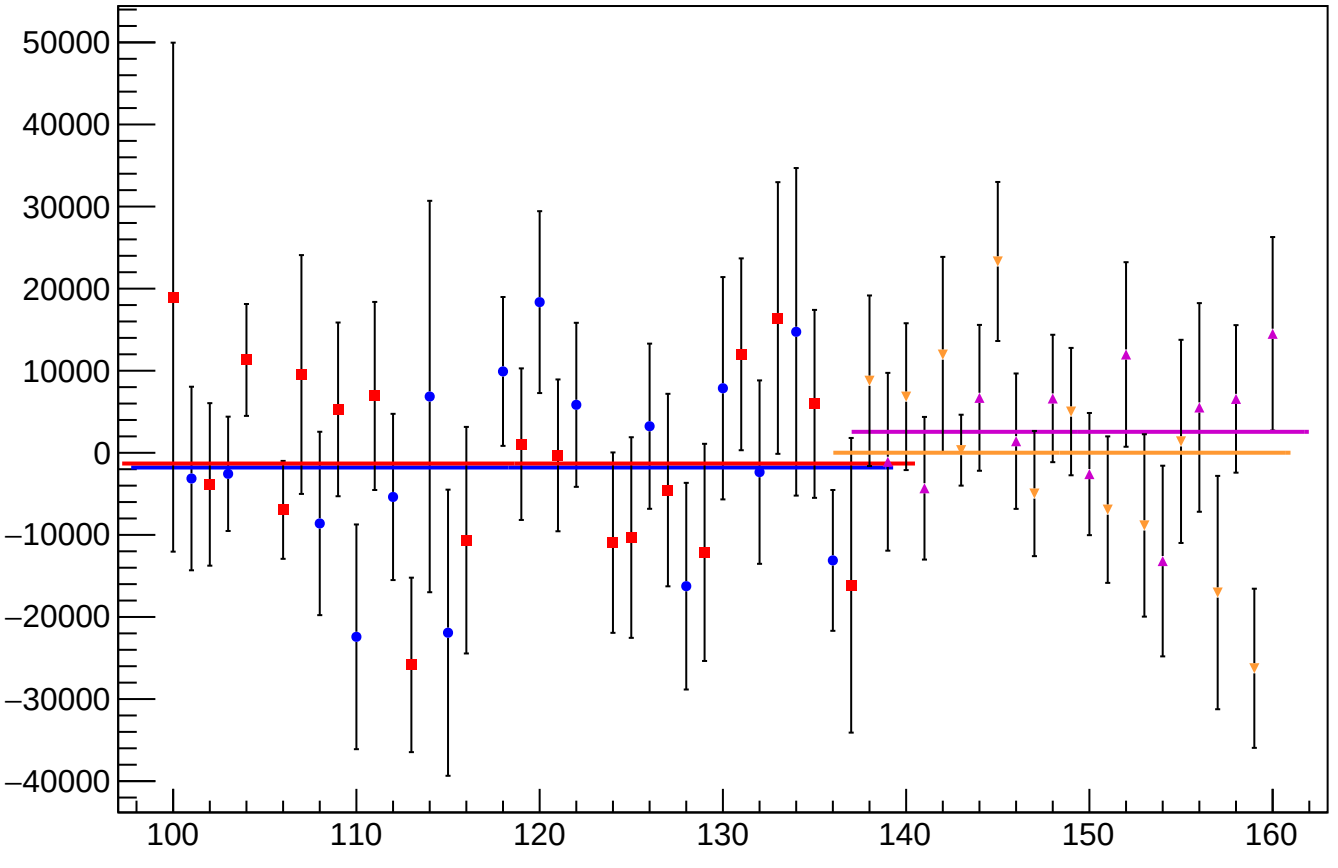
Left: 1858.392+/-0.302 χ^2/NDF: 353416.7/22

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1754.285+/-0.305 χ^2/NDF:545263.6/26

Out: 1768.072+/-0.309 χ^2/NDF:869797.2/30

All: 1761.100+/-0.217 χ^2/NDF: 1416068.6/57



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: 2556.192+/-2829.732 χ^2/NDF:5.5/10

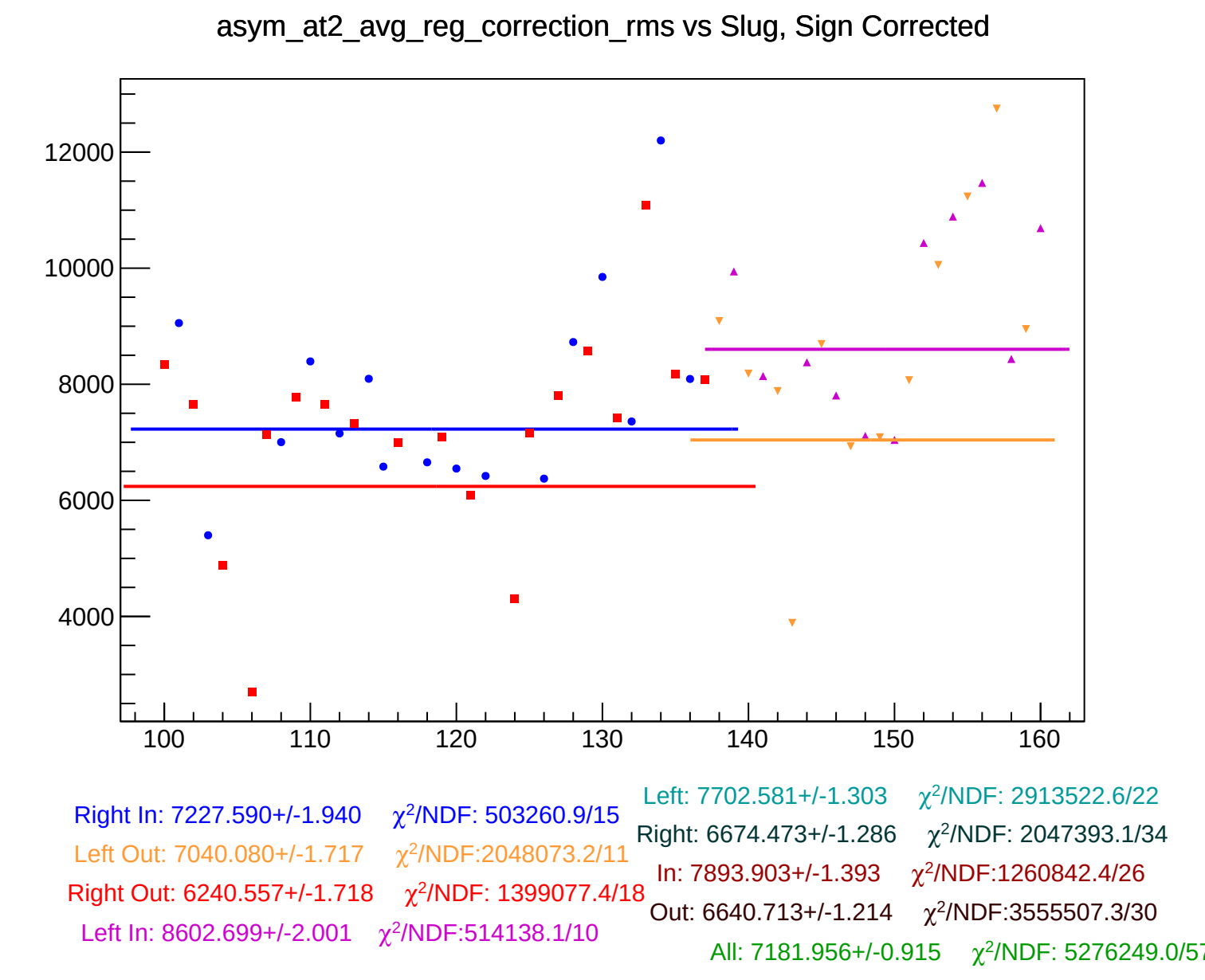
Left: 1089.389+/-1842.519 χ^2/NDF: 25.0/22

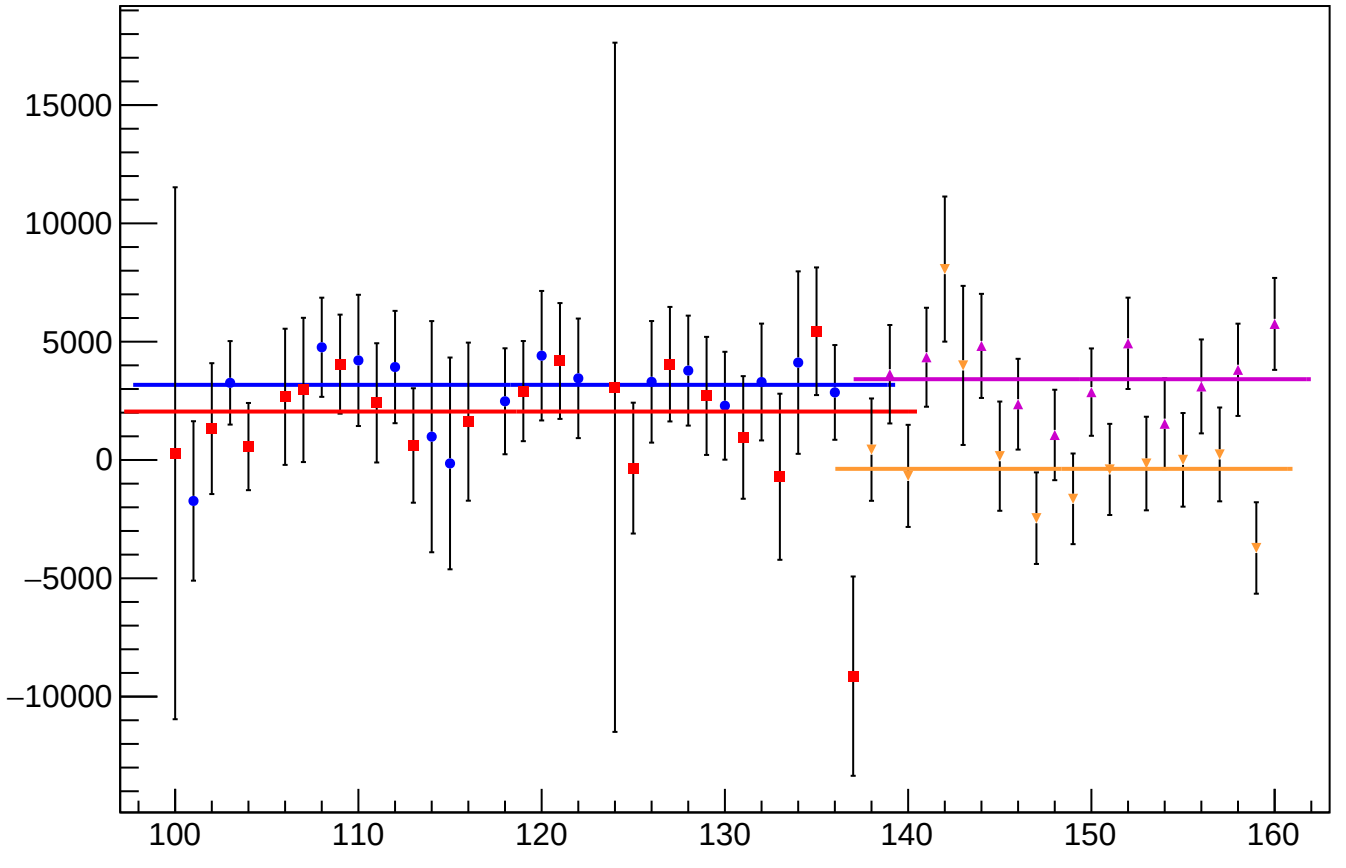
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: 315.427+/-1969.771 χ^2/NDF:21.1/26

Out: -647.607+/-1717.466 χ^2/NDF:36.8/30

All: -231.680+/-1294.504 χ^2/NDF: 58.1/57


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: 8602.699+/-2.001 χ²/NDF:514138.1/10
Left: 7702.581+/-1.303 χ²/NDF: 2913522.6/22
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7893.903+/-1.393 χ²/NDF:1260842.4/26
Out: 6640.713+/-1.214 χ²/NDF:3555507.3/30
All: 7181.956+/-0.915 χ²/NDF: 5276249.0/57



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: 3414.266+/-594.735 χ^2/NDF:5.6/10

Left: 1580.040+/-427.159 χ^2/NDF: 39.5/22

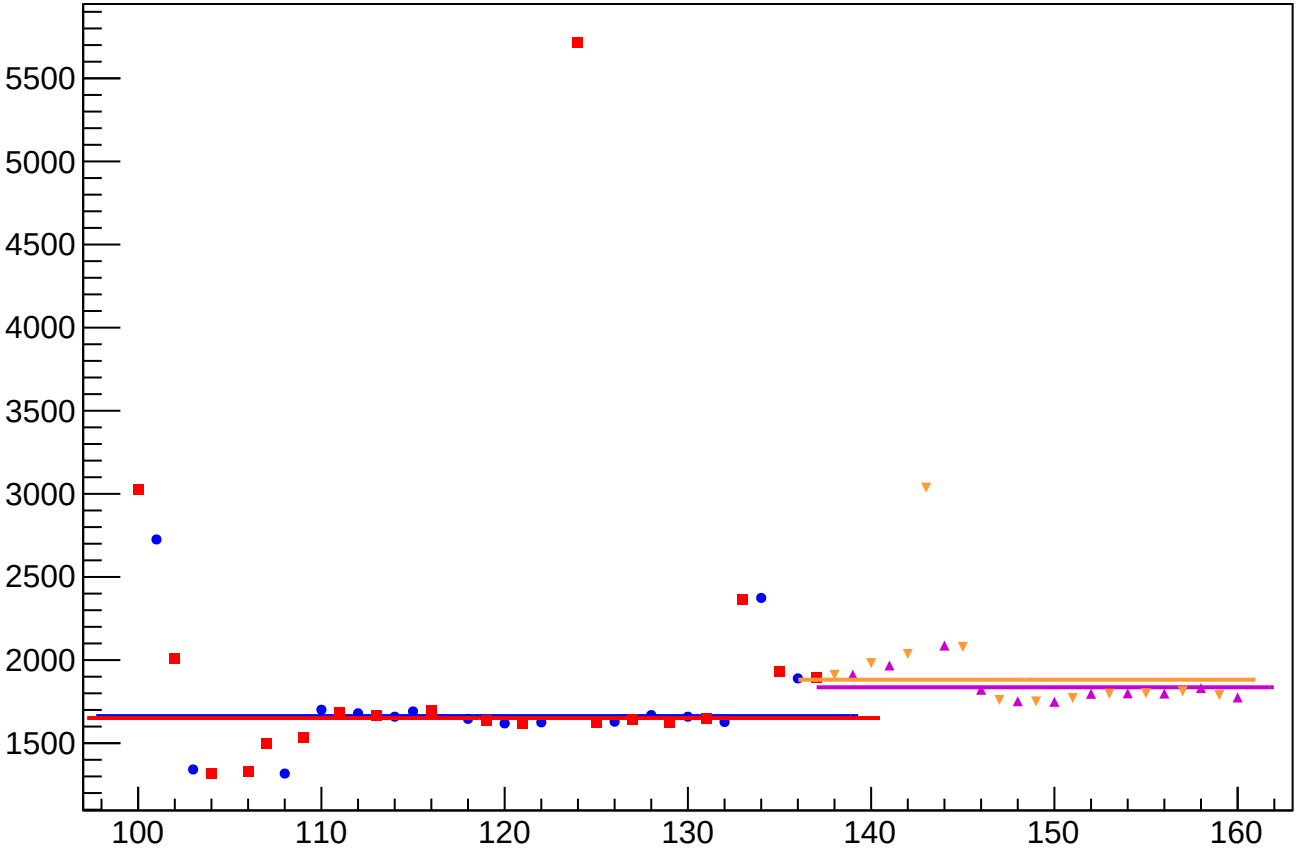
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3301.461+/-431.820 χ^2/NDF:10.0/26

Out: 821.548+/-436.758 χ^2/NDF:35.9/30

All: 2075.603+/-307.074 χ^2/NDF: 62.3/57

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: 1836.246+/-0.421 χ^2/NDF:49299.1/10

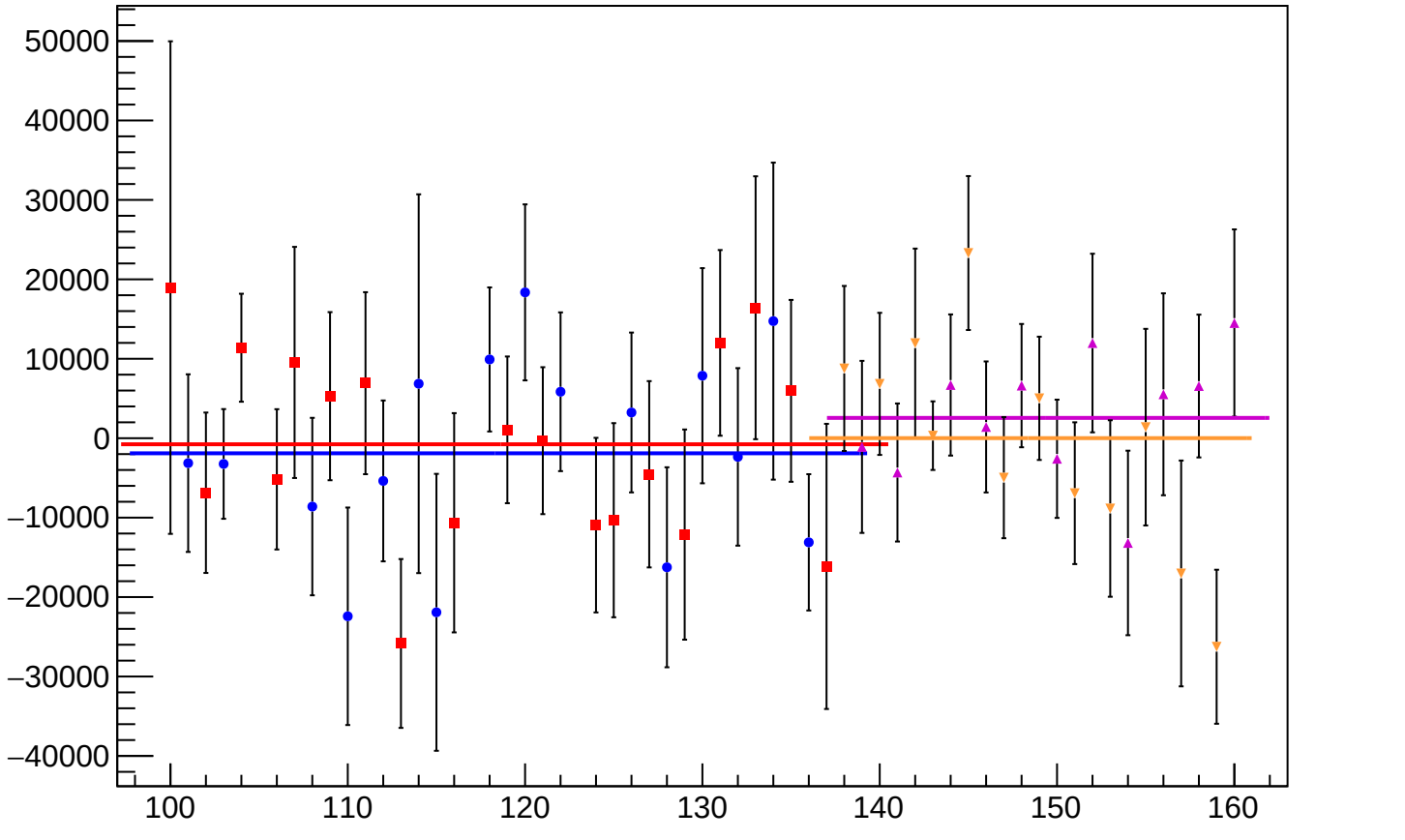
Left: 1858.392+/-0.302 χ^2/NDF: 353416.7/22

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.285+/-0.305 χ^2/NDF:545264.0/26

Out: 1768.072+/-0.309 χ^2/NDF:869797.5/30

All: 1761.100+/-0.217 χ^2/NDF: 1416069.3/57



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: 2556.339+/-2829.731 χ^2/NDF:5.5/10

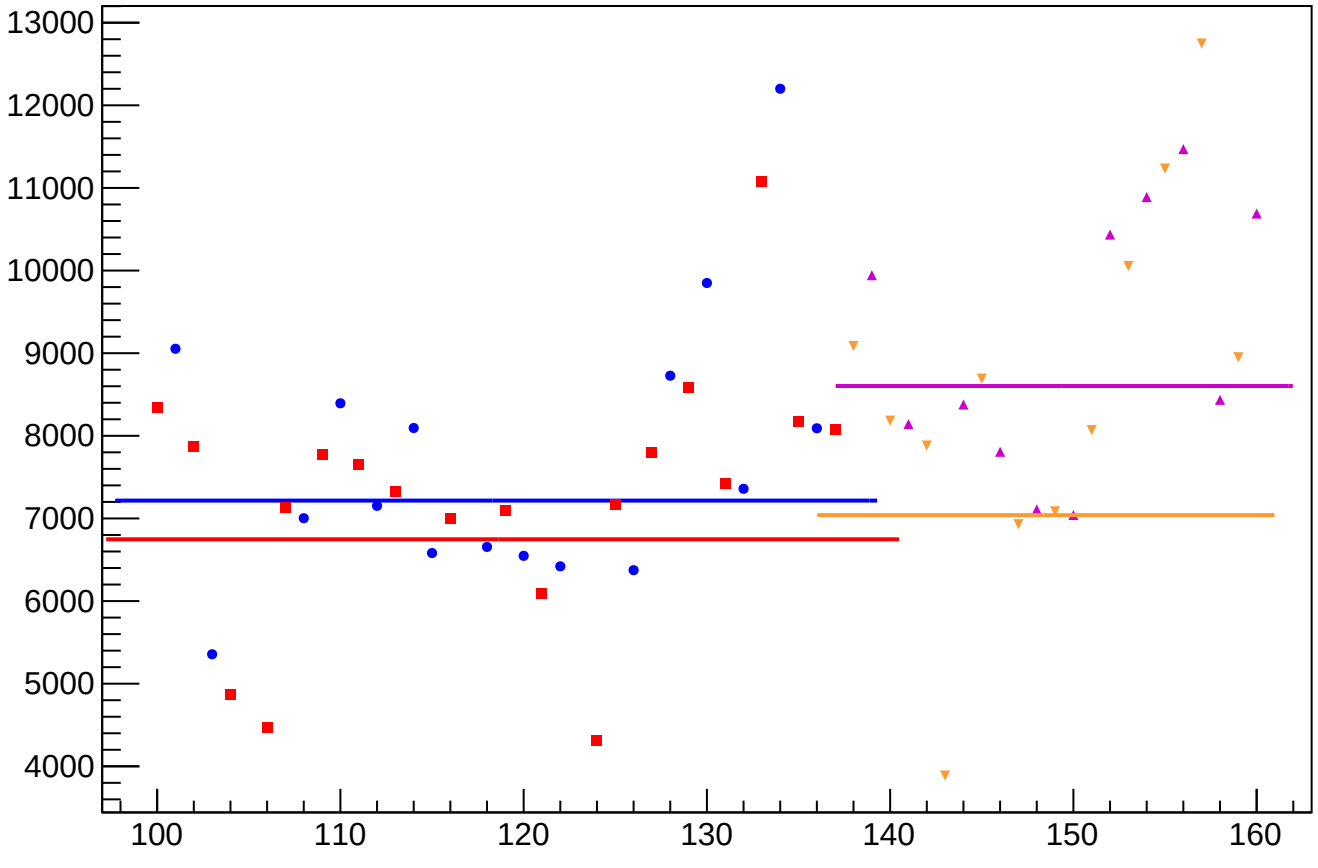
Left: 1089.380+/-1842.515 χ^2/NDF: 25.0/22

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 256.292+/-1968.414 χ^2/NDF:21.2/26

Out: -357.456+/-1758.255 χ^2/NDF:36.3/30

All: -85.083+/-1311.303 χ^2/NDF: 57.5/57



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: 8602.695+/-2.001 χ^2/NDF:514141.9/10

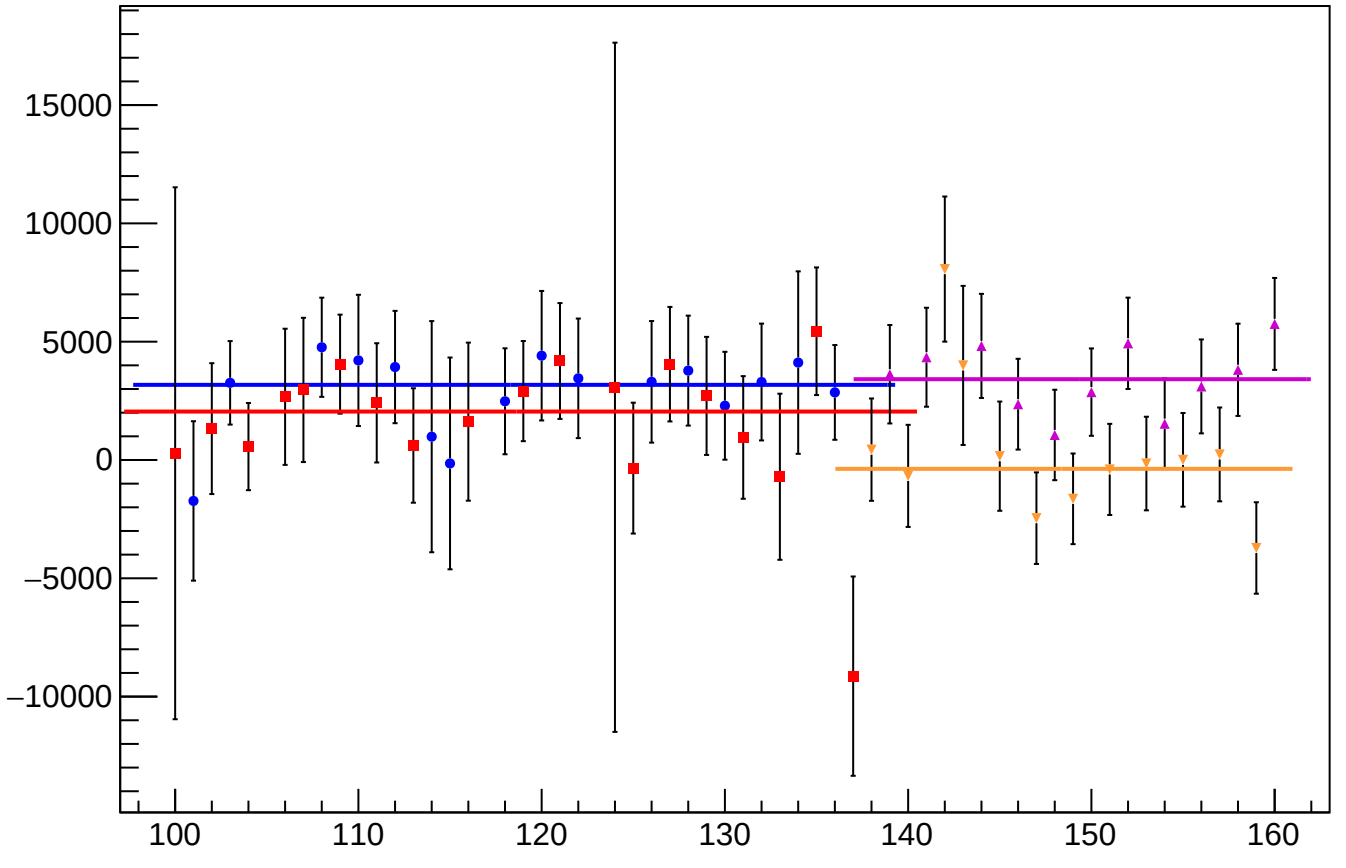
Left: 7702.555+/-1.303 χ^2/NDF: 2913590.9/22

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7887.016+/-1.392 χ^2/NDF:1274141.3/26

Out: 6901.067+/-1.243 χ^2/NDF:2770701.1/30

All: 7338.617+/-0.927 χ^2/NDF: 4323935.6/57



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: 3414.266+/-594.735 χ^2/NDF:5.6/10

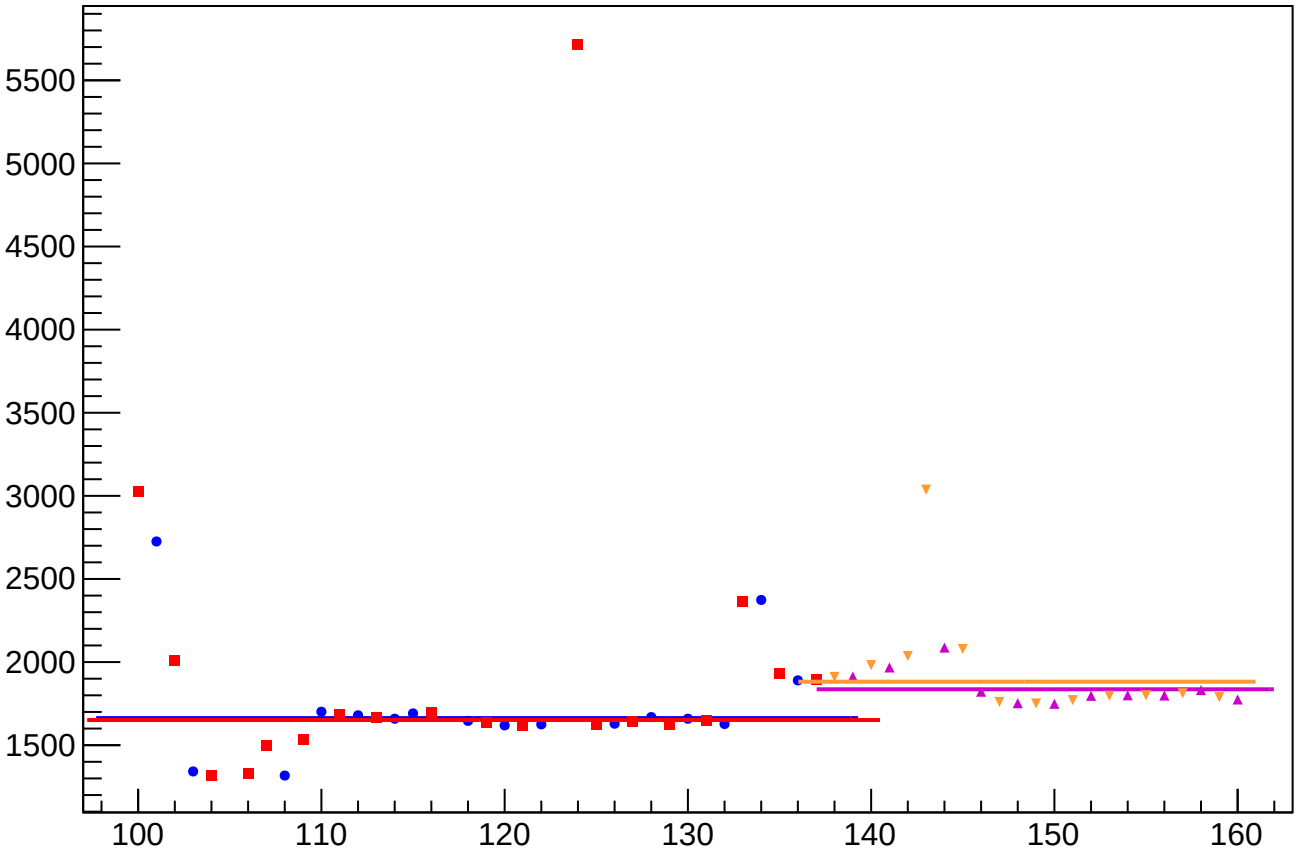
Left: 1580.040+/-427.159 χ^2/NDF: 39.5/22

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3301.461+/-431.820 χ^2/NDF:10.0/26

Out: 821.548+/-436.758 χ^2/NDF:35.9/30

All: 2075.603+/-307.074 χ^2/NDF: 62.3/57



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: 1836.246+/-0.421 χ^2/NDF:49299.1/10

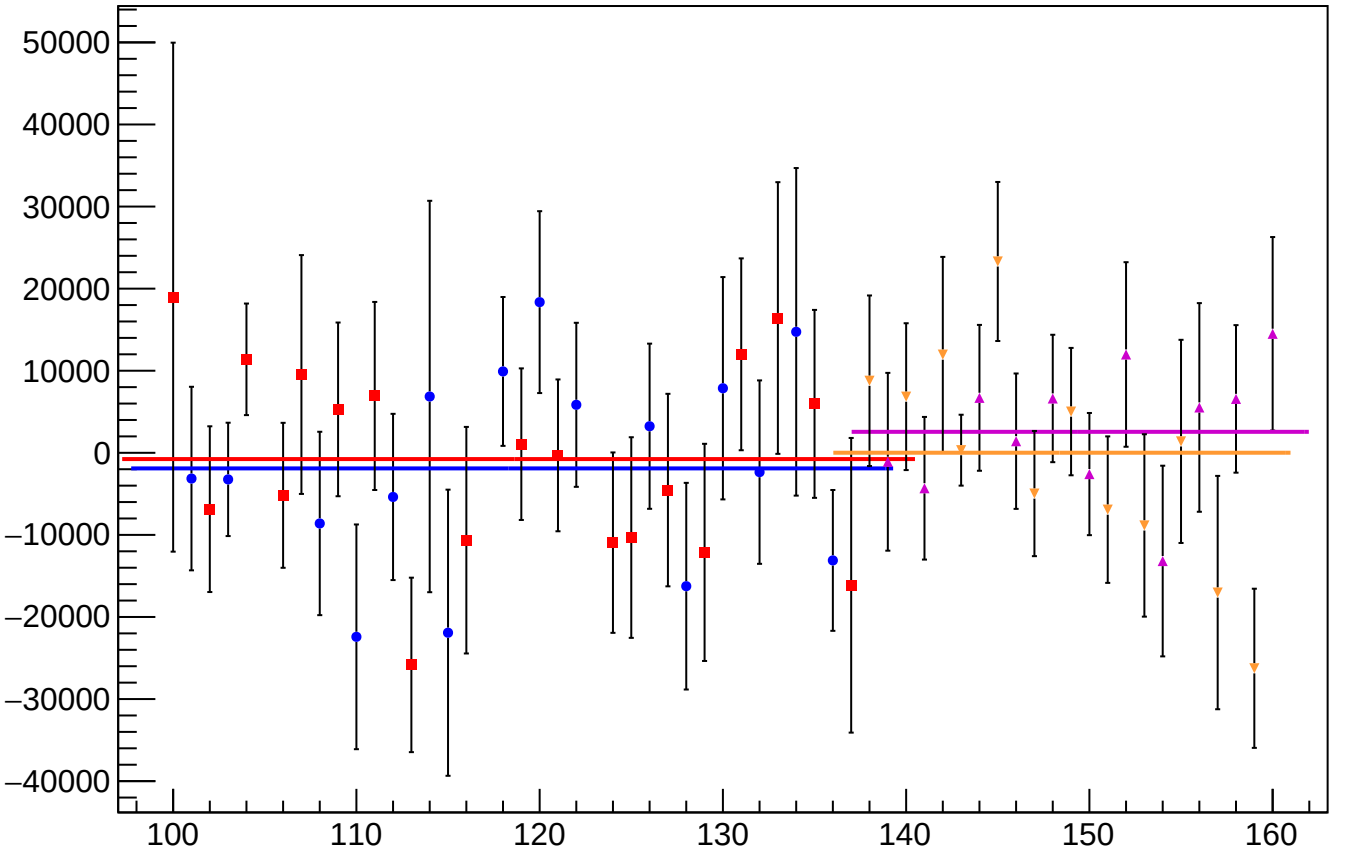
Left: 1858.392+/-0.302 χ^2/NDF: 353416.7/22

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.285+/-0.305 χ^2/NDF:545264.0/26

Out: 1768.072+/-0.309 χ^2/NDF:869797.5/30

All: 1761.100+/-0.217 χ^2/NDF: 1416069.3/57



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: 2556.339+/-2829.731 χ^2/NDF:5.5/10

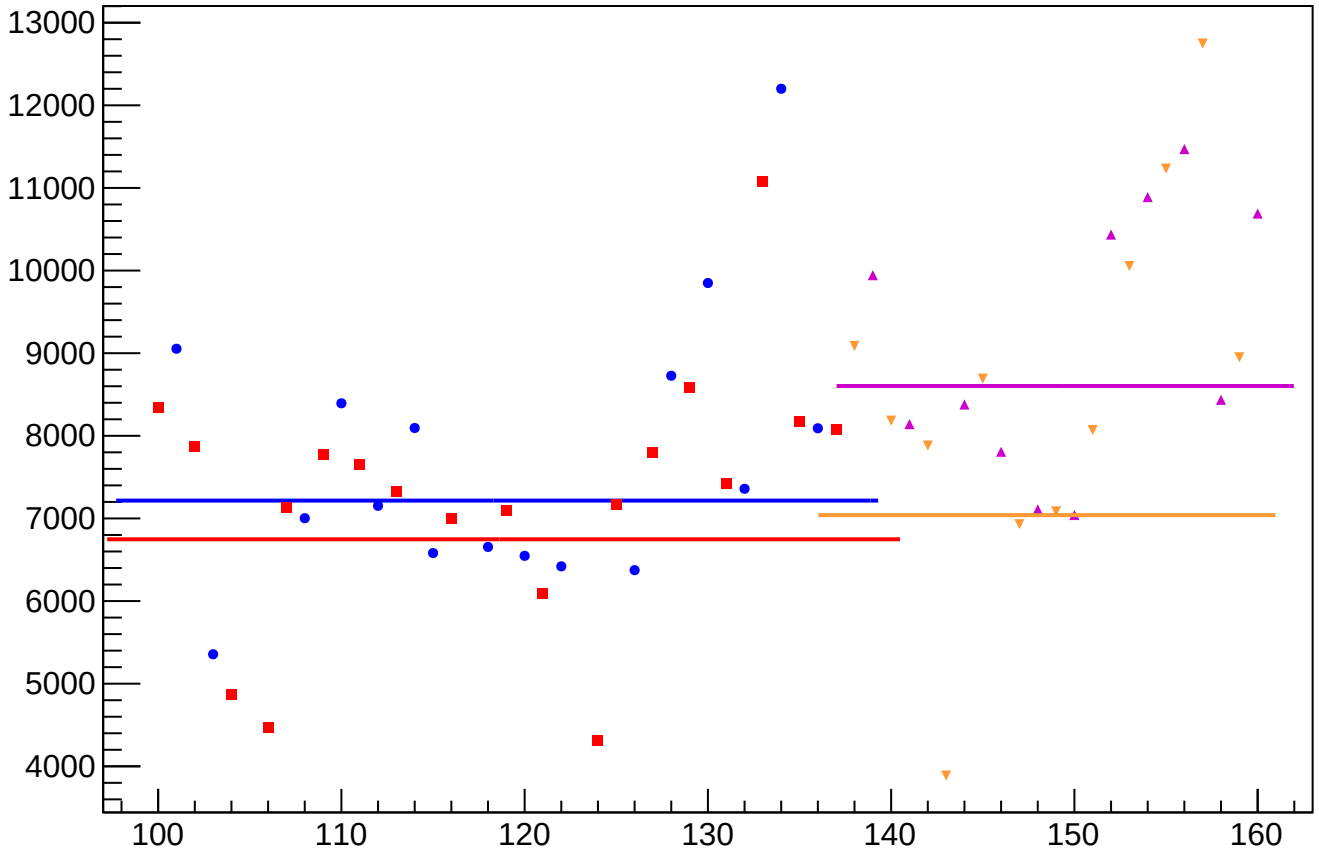
Left: 1089.380+/-1842.515 χ^2/NDF: 25.0/22

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 256.292+/-1968.414 χ^2/NDF:21.2/26

Out: -357.456+/-1758.255 χ^2/NDF:36.3/30

All: -85.083+/-1311.303 χ^2/NDF: 57.5/57



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: 8602.695+/-2.001 χ^2/NDF:514141.9/10

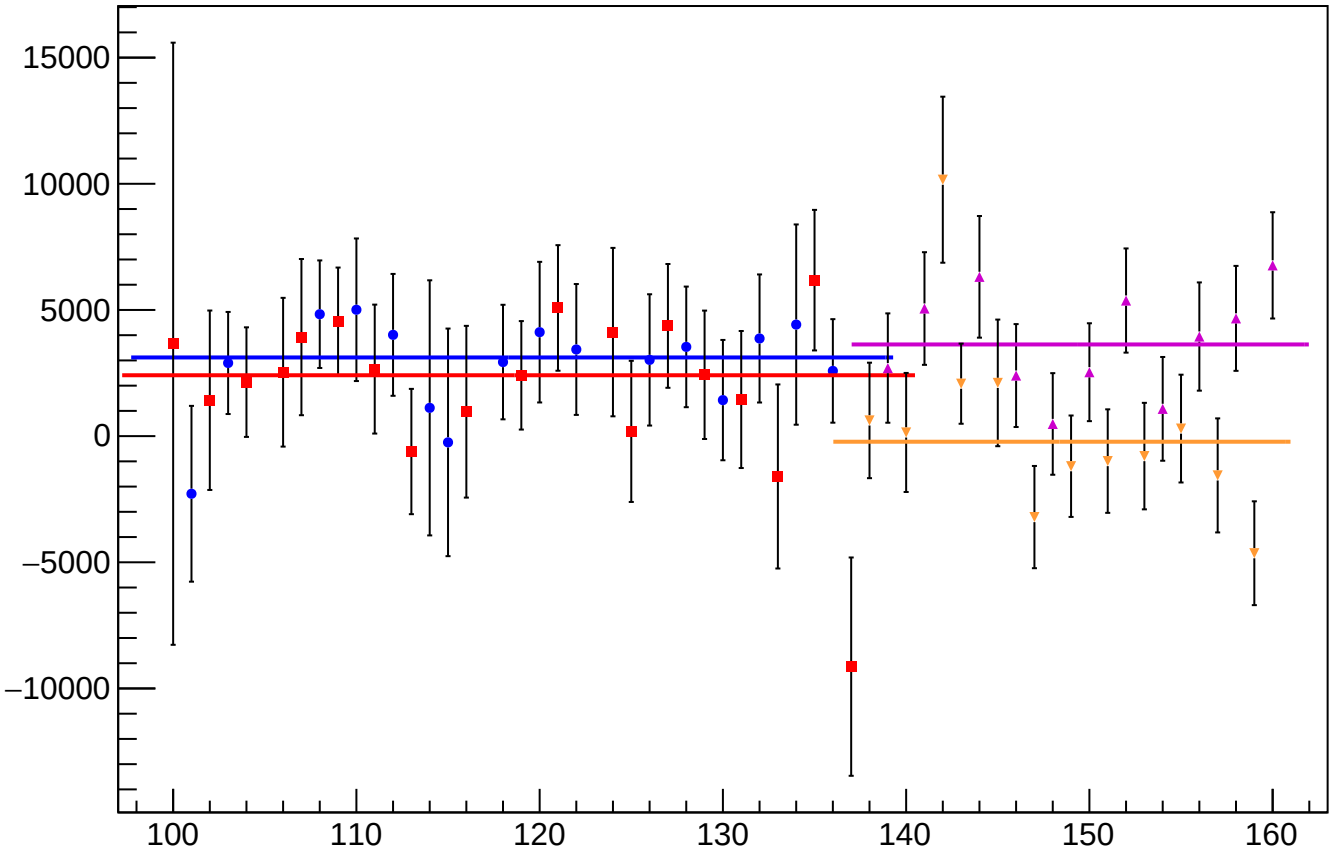
Left: 7702.555+/-1.303 χ^2/NDF: 2913590.9/22

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7887.016+/-1.392 χ^2/NDF:1274141.3/26

Out: 6901.067+/-1.243 χ^2/NDF:2770701.1/30

All: 7338.617+/-0.927 χ^2/NDF: 4323935.6/57



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: 3632.943+/-634.461 χ^2/NDF:9.7/10

Left: 1653.078+/-442.489 χ^2/NDF: 49.4/22

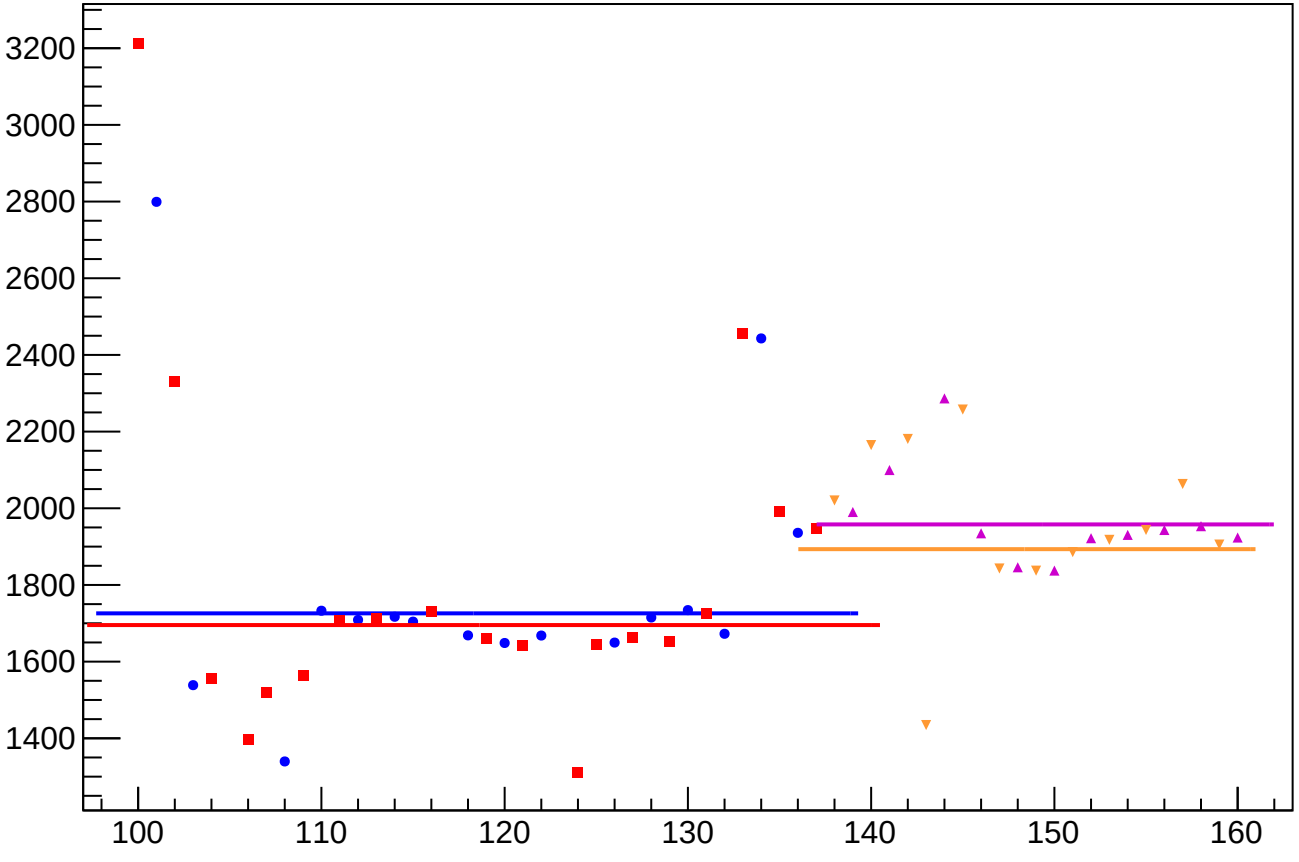
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3382.083+/-454.407 χ^2/NDF:15.3/26

Out: 1050.022+/-444.026 χ^2/NDF:45.5/30

All: 2189.112+/-317.580 χ^2/NDF: 74.3/57

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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: 1957.903+/-0.449 χ^2/NDF:61441.8/10

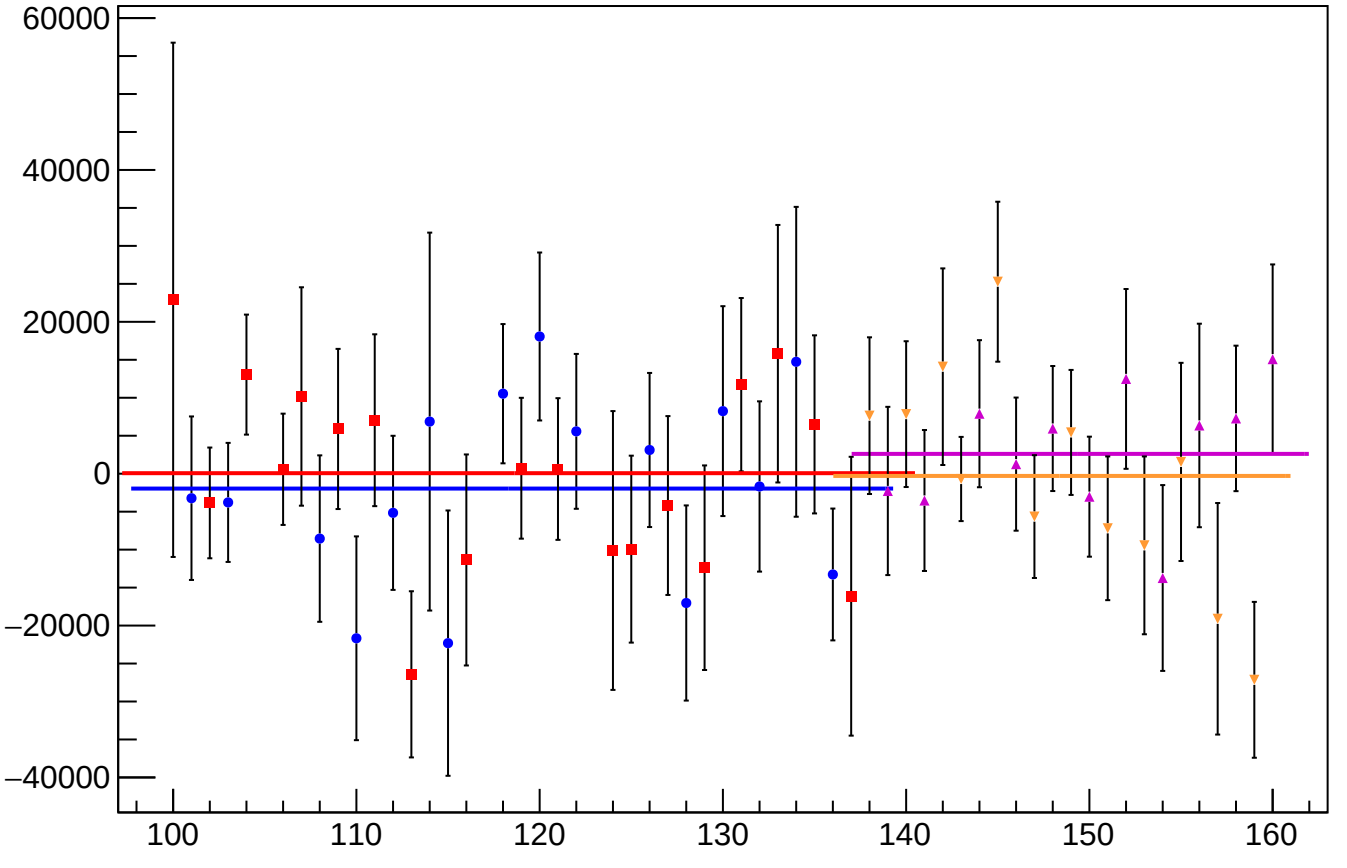
Left: 1924.758+/-0.313 χ^2/NDF: 344625.0/22

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1844.912+/-0.321 χ^2/NDF:557318.5/26

Out: 1797.741+/-0.314 χ^2/NDF:657500.4/30

All: 1820.777+/-0.225 χ^2/NDF: 1225846.3/57



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: 2609.322+/-3002.783 χ^2/NDF:5.4/10

Left: 1010.631+/-2012.703 χ^2/NDF: 24.8/22

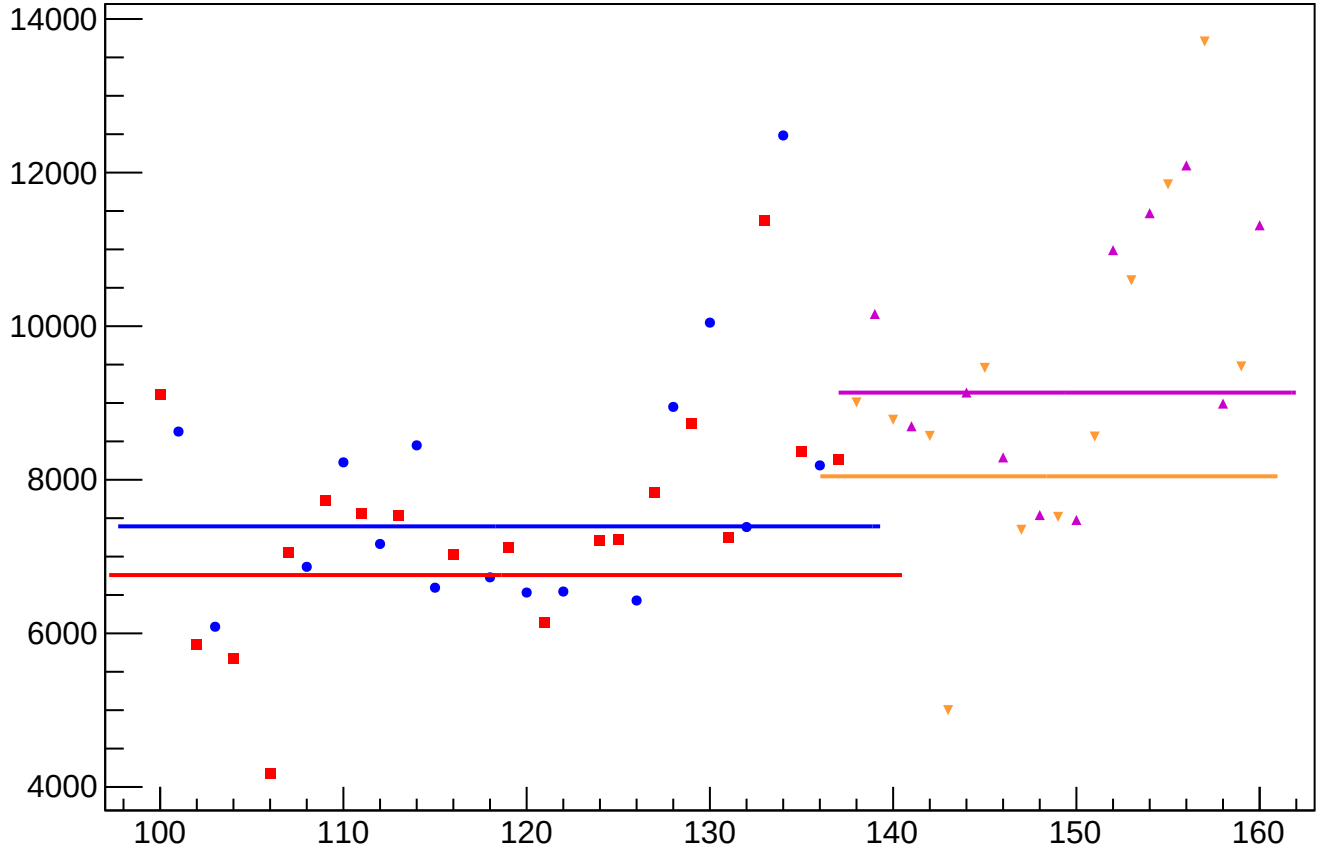
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: 164.574+/-2047.176 χ^2/NDF:21.1/26

Out: -100.115+/-1849.837 χ^2/NDF:35.0/30

All: 18.861+/-1372.511 χ^2/NDF: 56.1/57

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



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: 9135.215+/-2.123 χ^2/NDF:484034.8/10

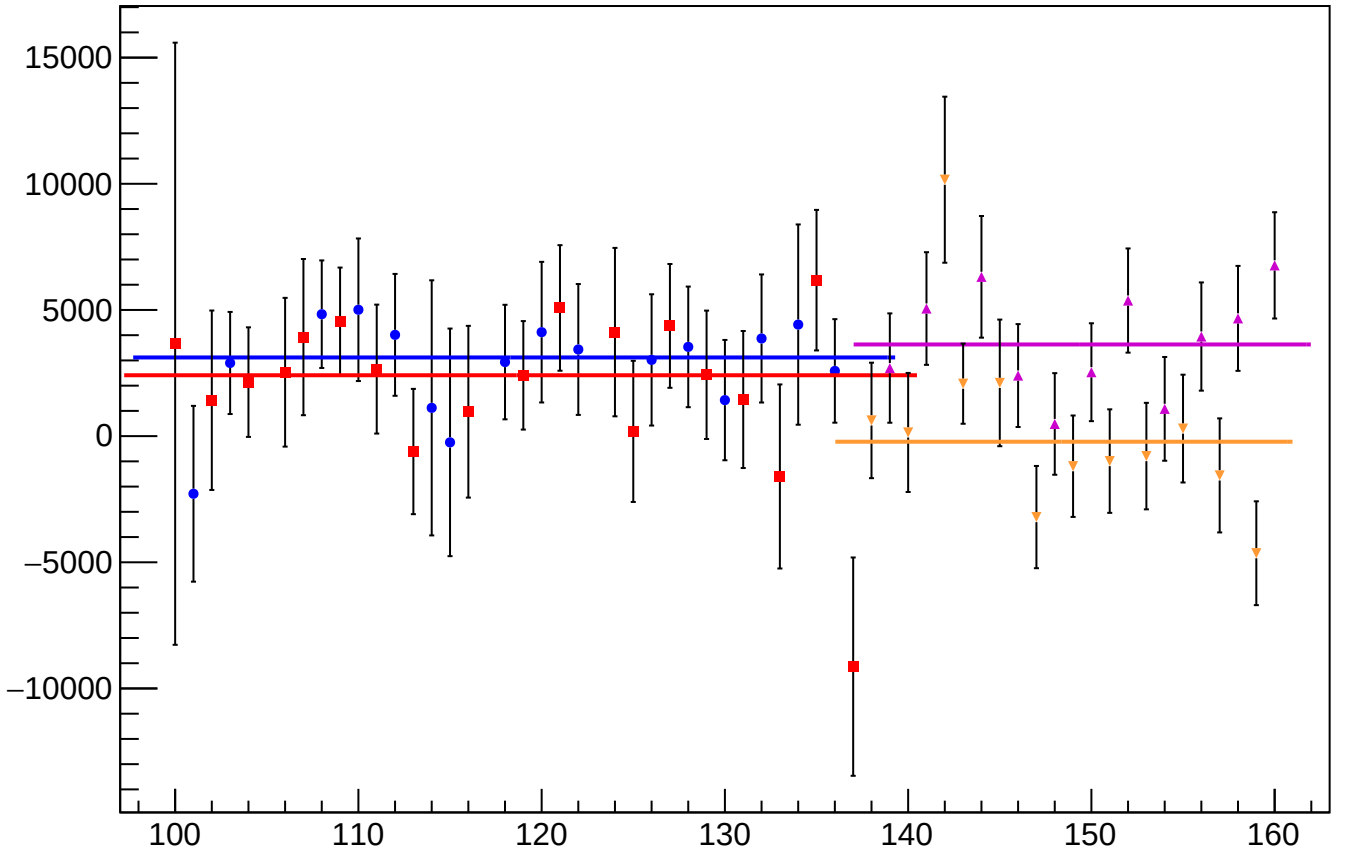
Left: 8535.040+/-1.423 χ^2/NDF: 1909330.9/22

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8203.108+/-1.448 χ^2/NDF:1245937.7/26

Out: 7357.679+/-1.308 χ^2/NDF:2164986.8/30

All: 7737.691+/-0.971 χ^2/NDF: 3598699.6/57



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: 3632.942+/-634.462 χ^2/NDF:9.7/10

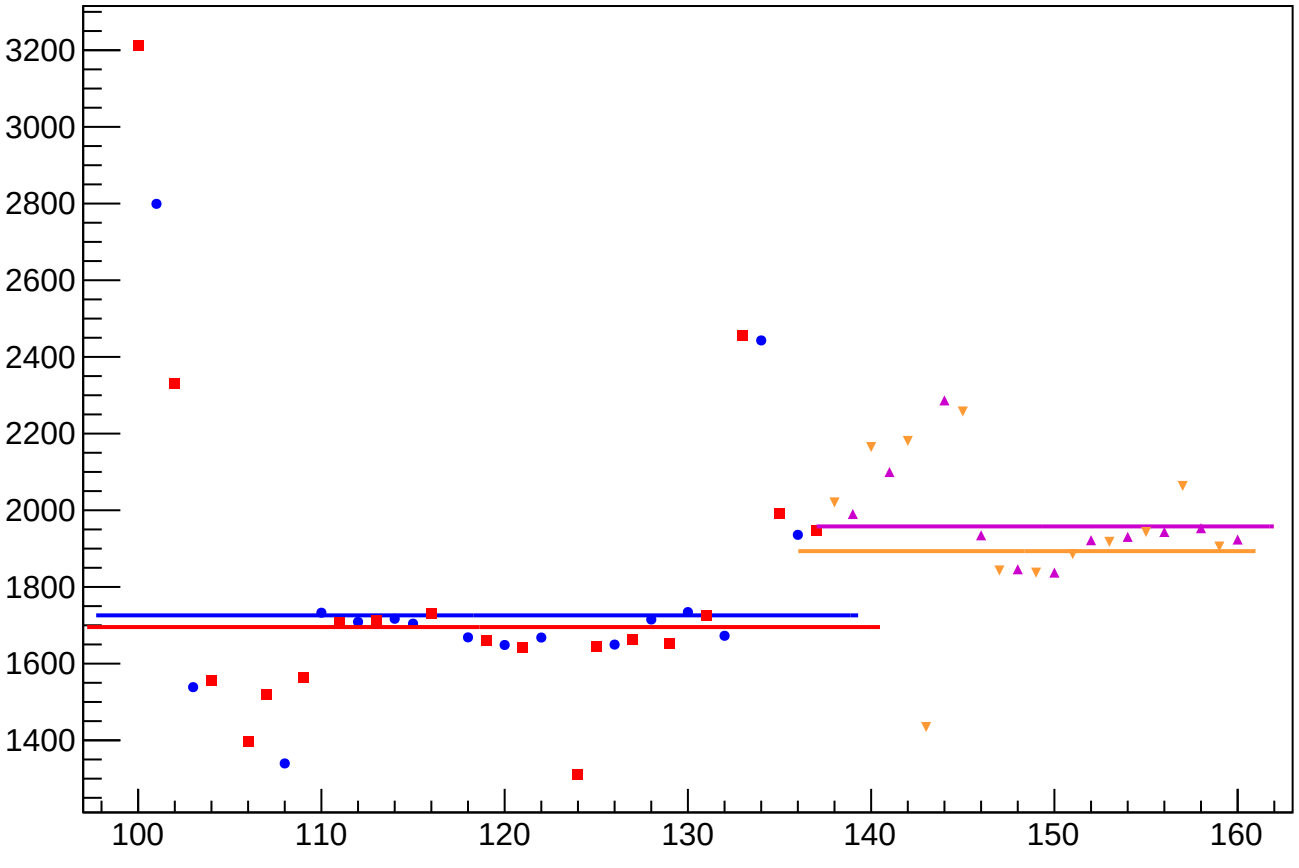
Left: 1653.073+/-442.489 χ^2/NDF: 49.4/22

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3382.084+/-454.407 χ^2/NDF:15.3/26

Out: 1050.023+/-444.026 χ^2/NDF:45.5/30

All: 2189.113+/-317.581 χ^2/NDF: 74.3/57



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1893.370+/-0.437 χ^2/NDF:272556.2/11

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1957.906+/-0.449 χ^2/NDF:61442.1/10

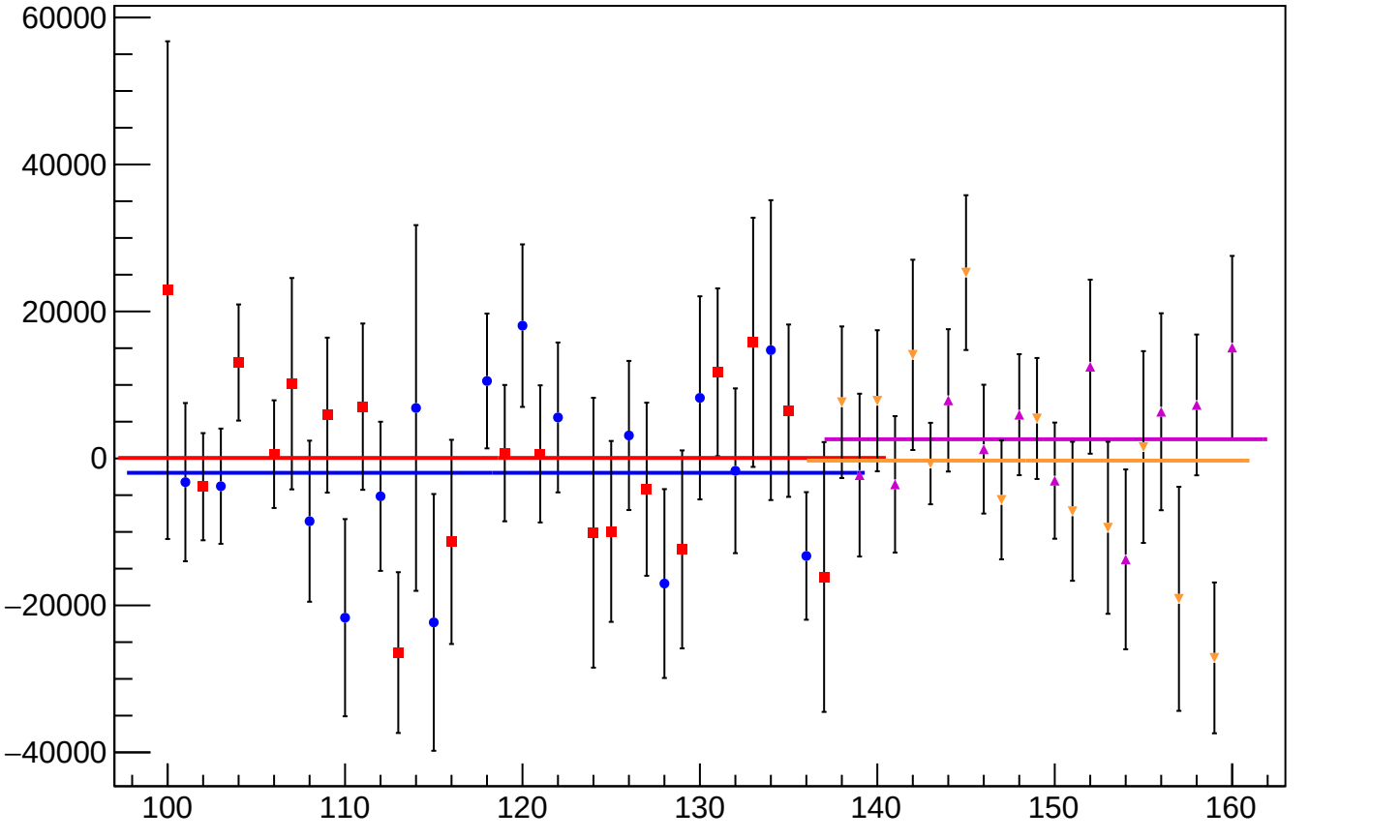
Left: 1924.761+/-0.313 χ^2/NDF: 344626.2/22

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1844.914+/-0.321 χ^2/NDF:557322.7/26

Out: 1797.742+/-0.314 χ^2/NDF:657504.7/30

All: 1820.779+/-0.225 χ^2/NDF: 1225854.8/57



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: 2609.322+/-3002.787 χ^2/NDF:5.4/10

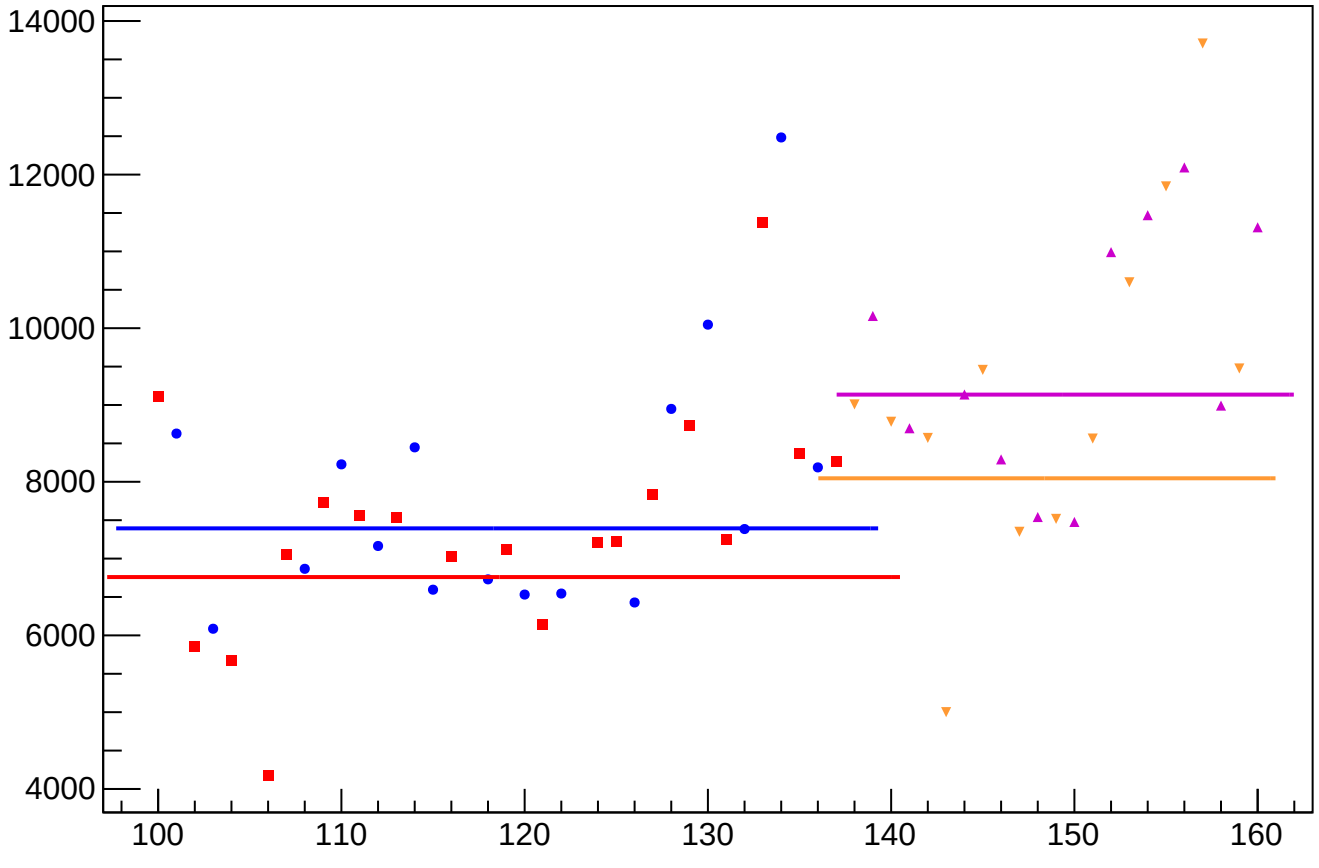
Left: 1010.625+/-2012.706 χ^2/NDF: 24.8/22

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: 164.577+/-2047.175 χ^2/NDF:21.1/26

Out: -100.115+/-1849.836 χ^2/NDF:35.0/30

All: 18.862+/-1372.510 χ^2/NDF: 56.1/57



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: 9135.226+/-2.123 χ^2/NDF:484035.1/10

Left: 8535.052+/-1.423 χ^2/NDF: 1909330.0/22

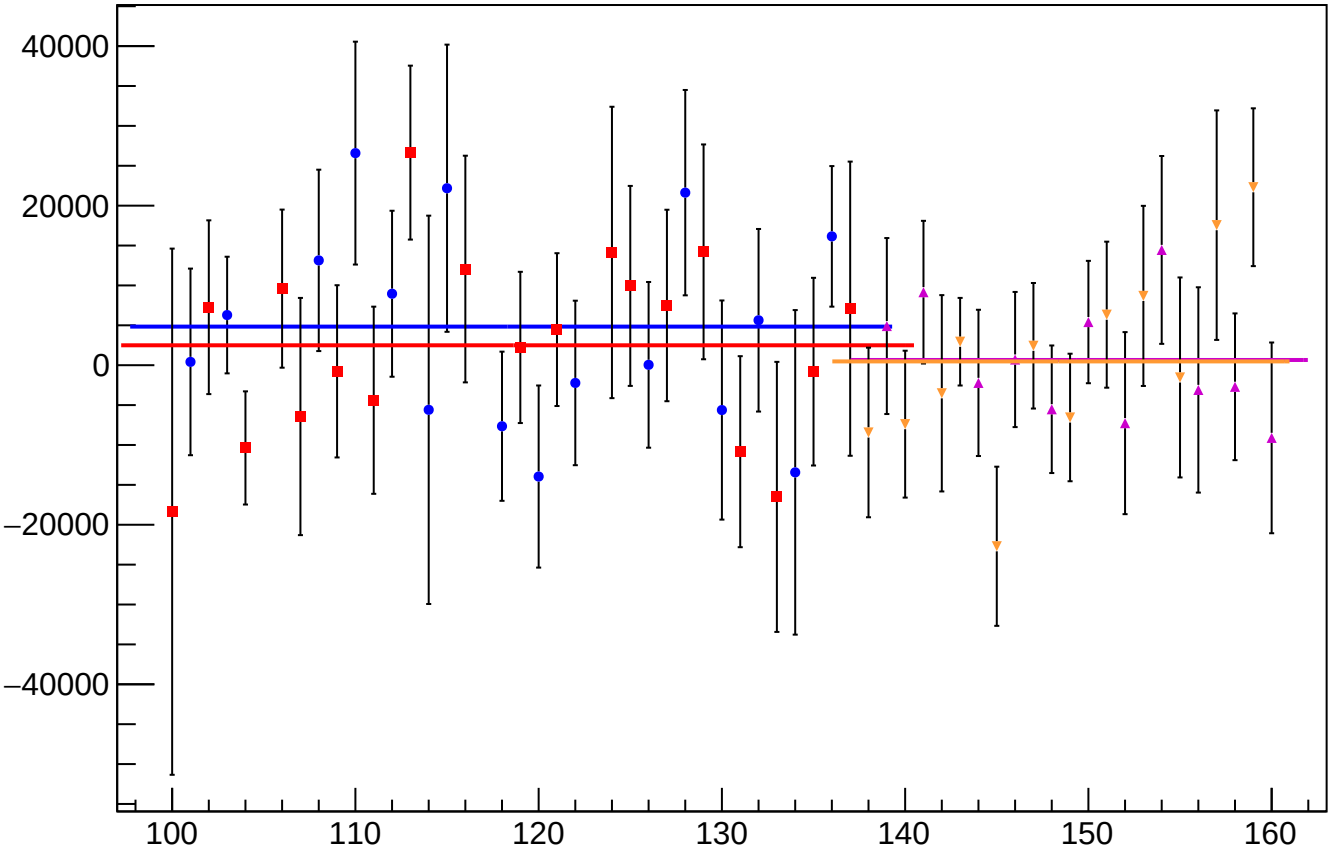
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8203.101+/-1.448 χ^2/NDF:1245952.5/26

Out: 7357.674+/-1.308 χ^2/NDF:2164994.7/30

All: 7737.686+/-0.971 χ^2/NDF: 3598721.5/57

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: 654.575+/-2899.594 χ^2/NDF:4.9/10

Left: 556.654+/-1952.138 χ^2/NDF: 20.1/22

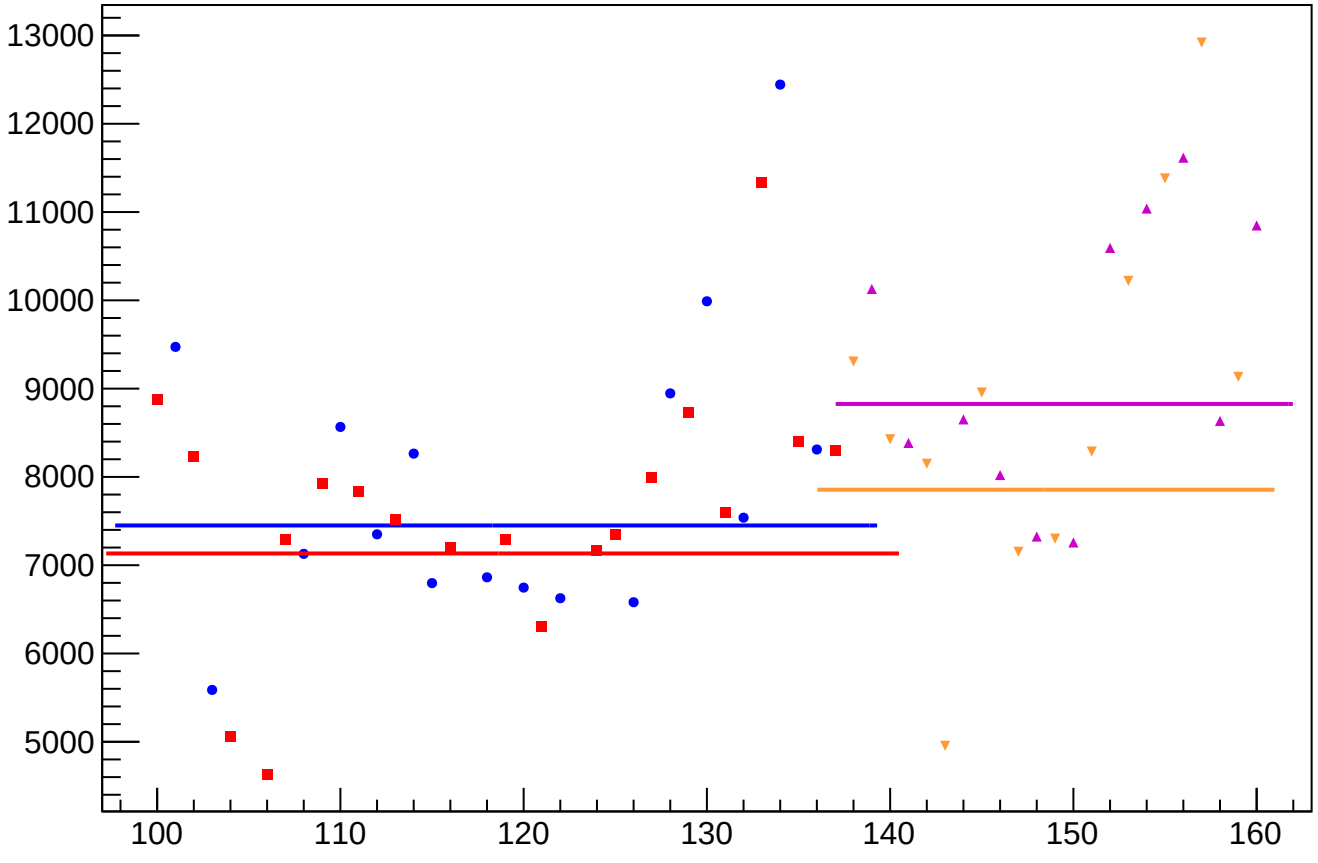
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2797.801+/-2024.872 χ^2/NDF:20.3/26

Out: 1464.671+/-1886.124 χ^2/NDF:30.4/30

All: 2084.001+/-1380.137 χ^2/NDF: 50.9/57

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: 8826.374+/-2.050 χ^2/NDF:476385.9/10

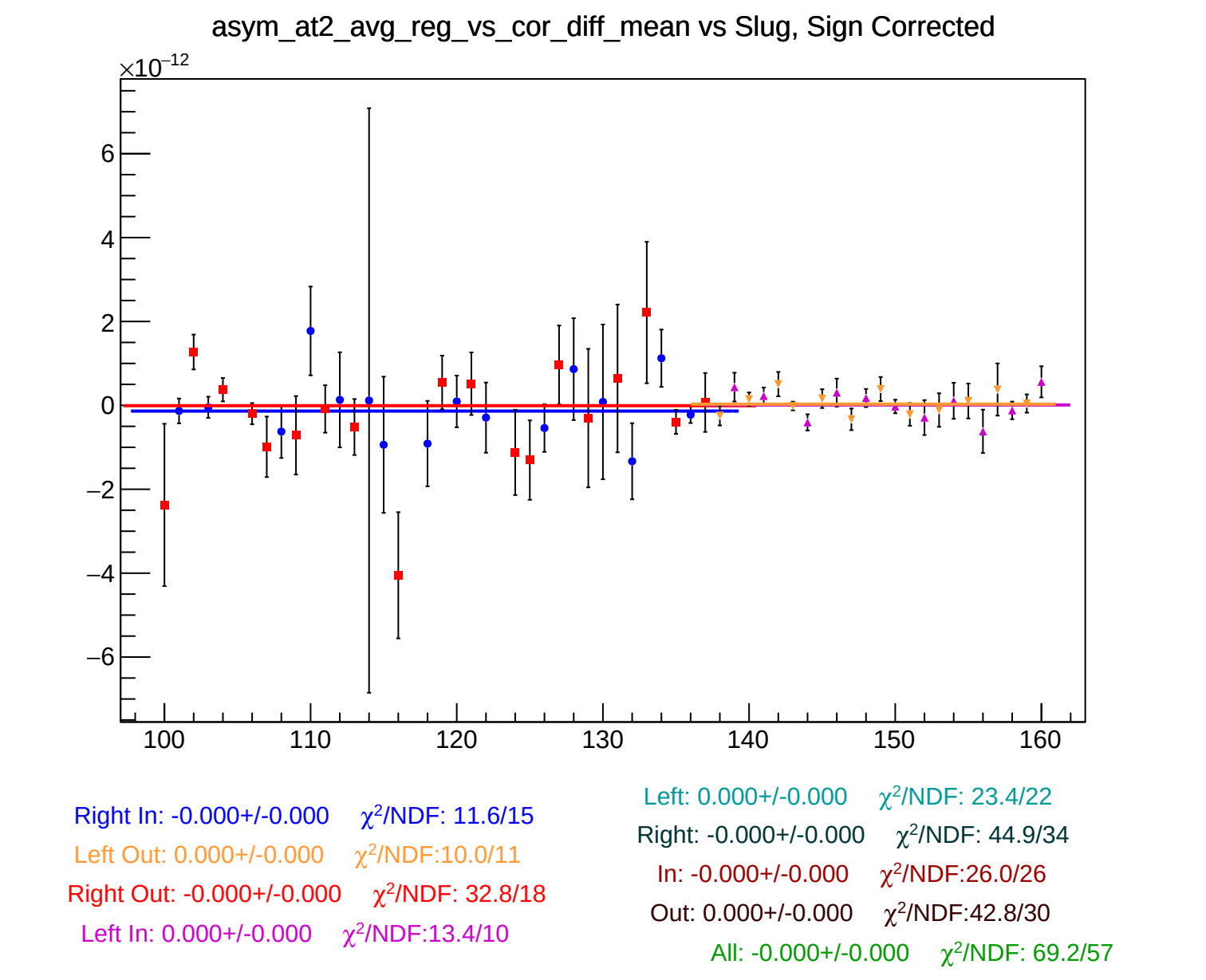
Left: 8295.451+/-1.380 χ^2/NDF: 1785121.8/22

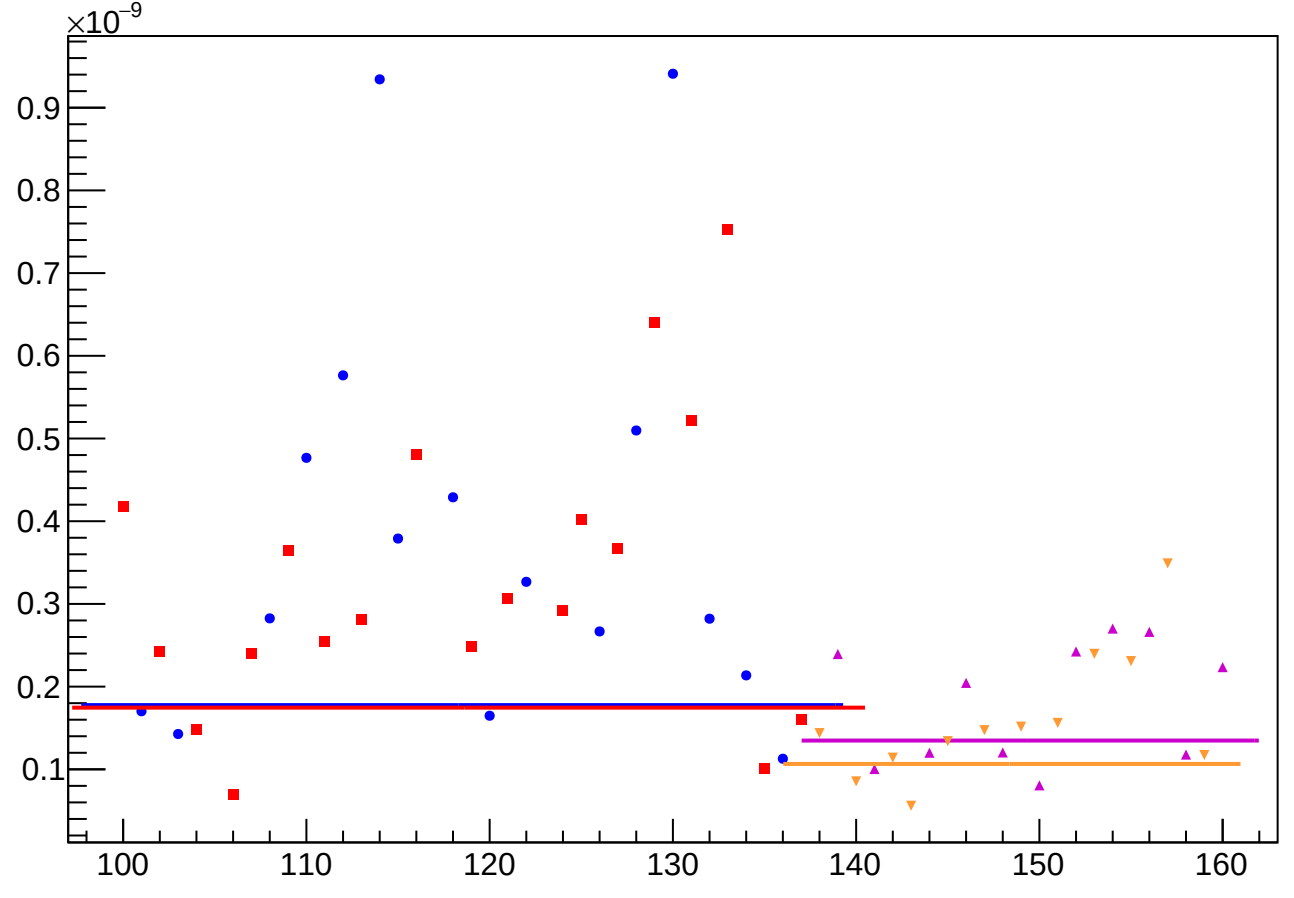
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8121.195+/-1.432 χ^2/NDF:1193698.8/26

Out: 7501.686+/-1.334 χ^2/NDF:1816365.5/30

All: 7789.481+/-0.976 χ^2/NDF: 3110306.4/57


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:13.4/10
Left: 0.000+/-0.000 χ²/NDF: 23.4/22
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:26.0/26
Out: 0.000+/-0.000 χ²/NDF:42.8/30
All: -0.000+/-0.000 χ²/NDF: 69.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471857.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1165588.4/10

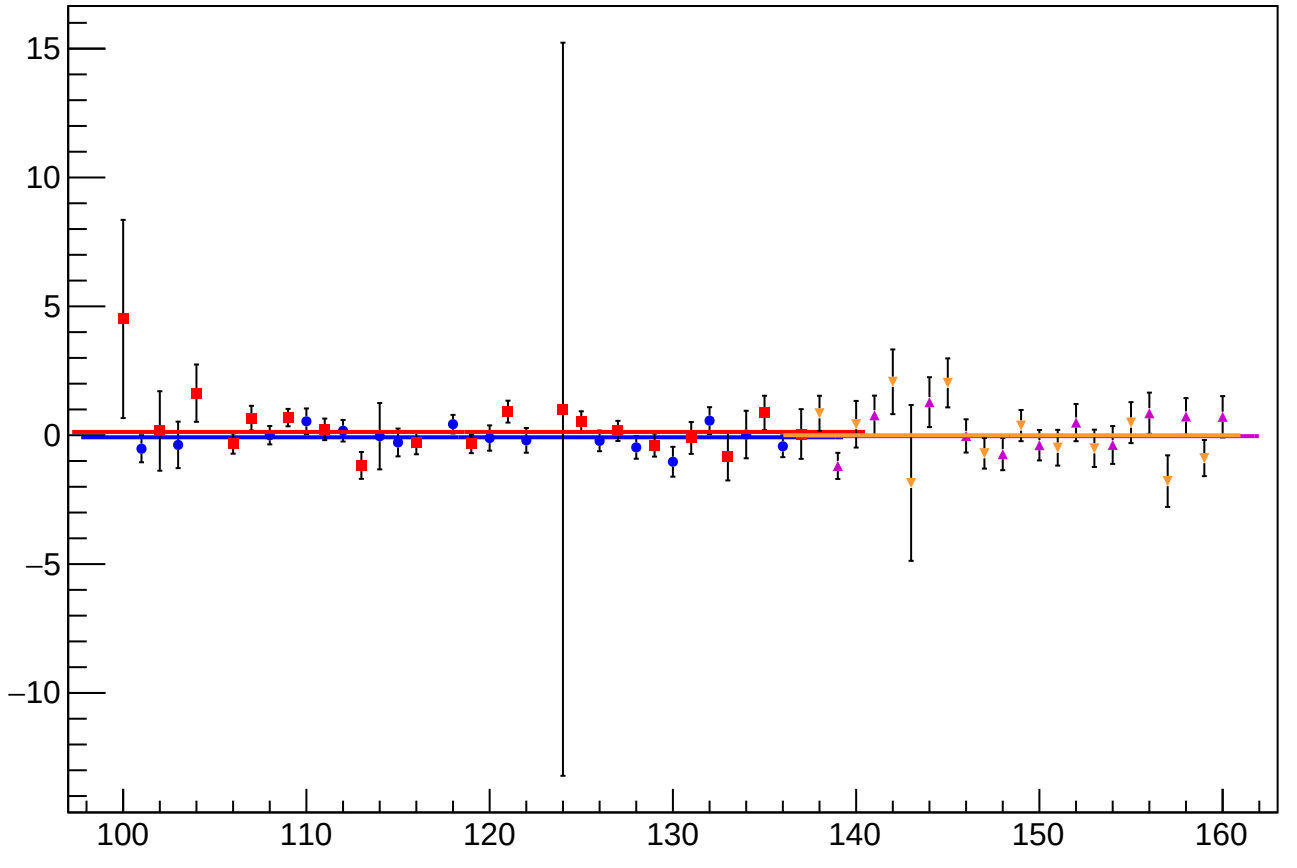
Left: 0.000+/-0.000 χ^2/NDF: 2803780.5/22

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2878291.4/26

Out: 0.000+/-0.000 χ^2/NDF:3601452.4/30

All: 0.000+/-0.000 χ^2/NDF: 6678684.4/57



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: -0.037+/-0.207 χ^2/NDF:13.8/10

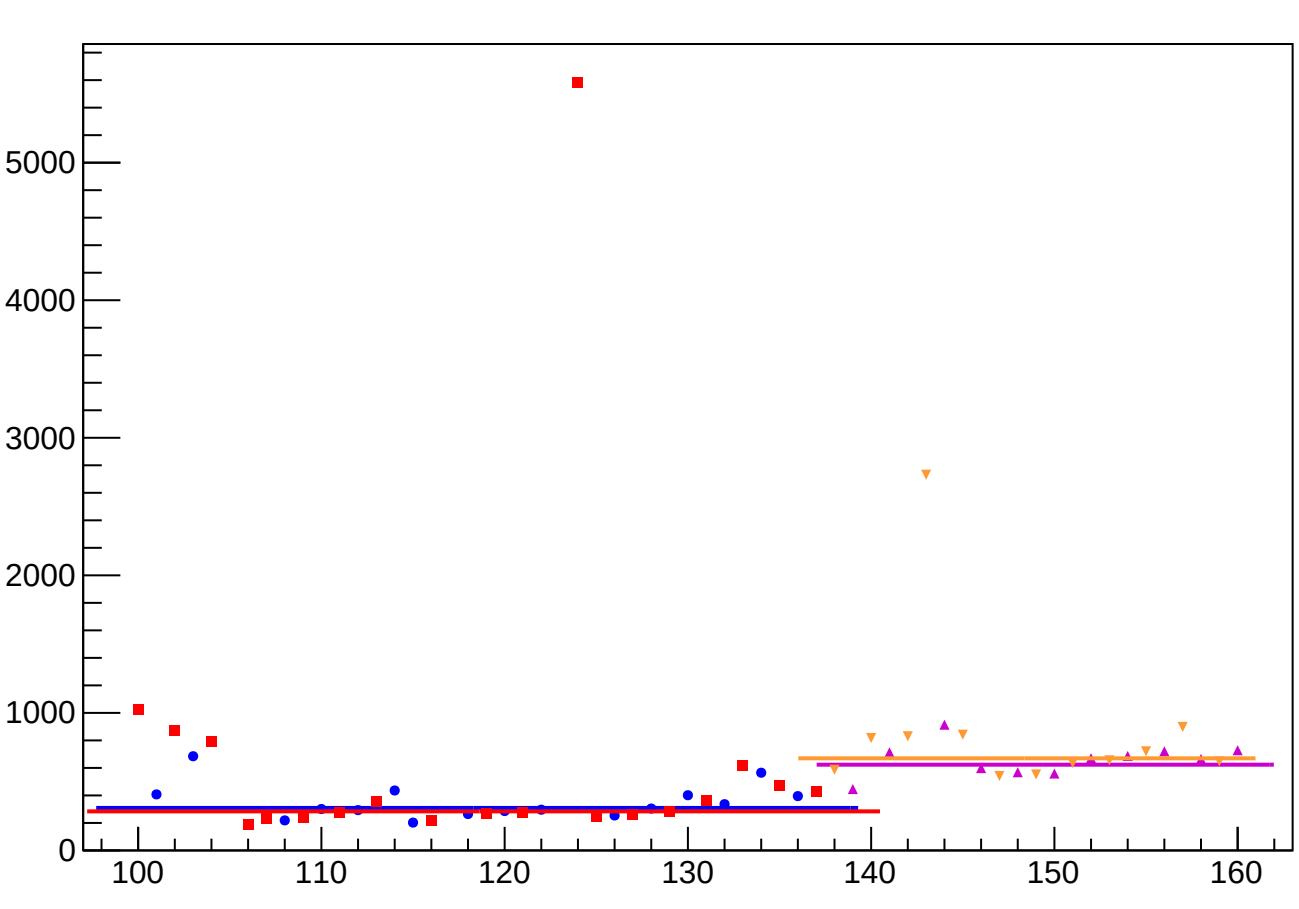
Left: -0.021+/-0.153 χ^2/NDF: 31.1/22

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.017+/-0.074 χ^2/NDF: 68.8/57



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: 623.494+/-0.146 χ^2/NDF:588585.2/10

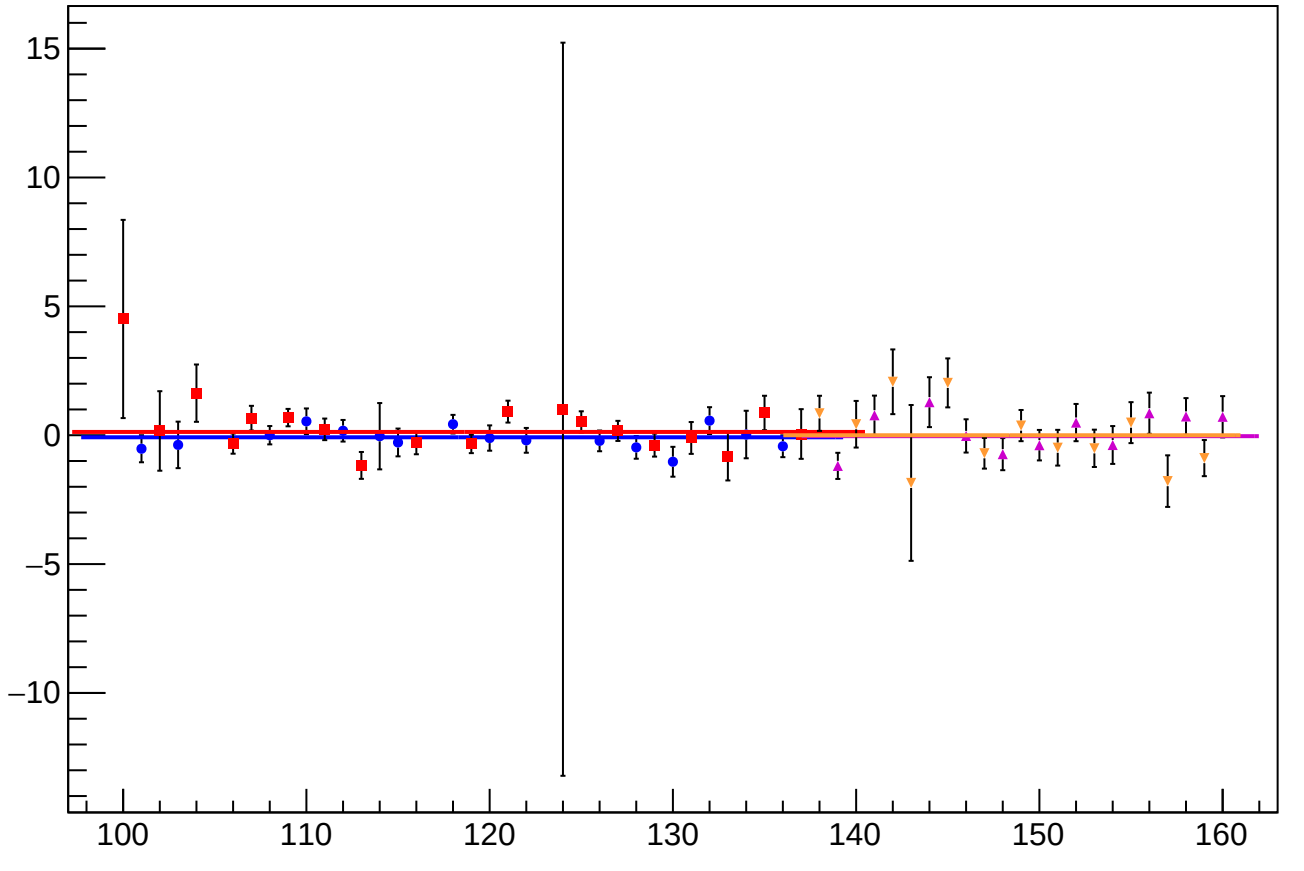
Left: 644.445+/-0.108 χ^2/NDF: 2033019.9/22

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 390.151+/-0.074 χ^2/NDF:5035147.3/26

Out: 364.918+/-0.074 χ^2/NDF:7809978.8/30

All: 377.410+/-0.052 χ^2/NDF: 12903461.4/57



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: -0.037+/-0.207 χ^2/NDF:13.8/10

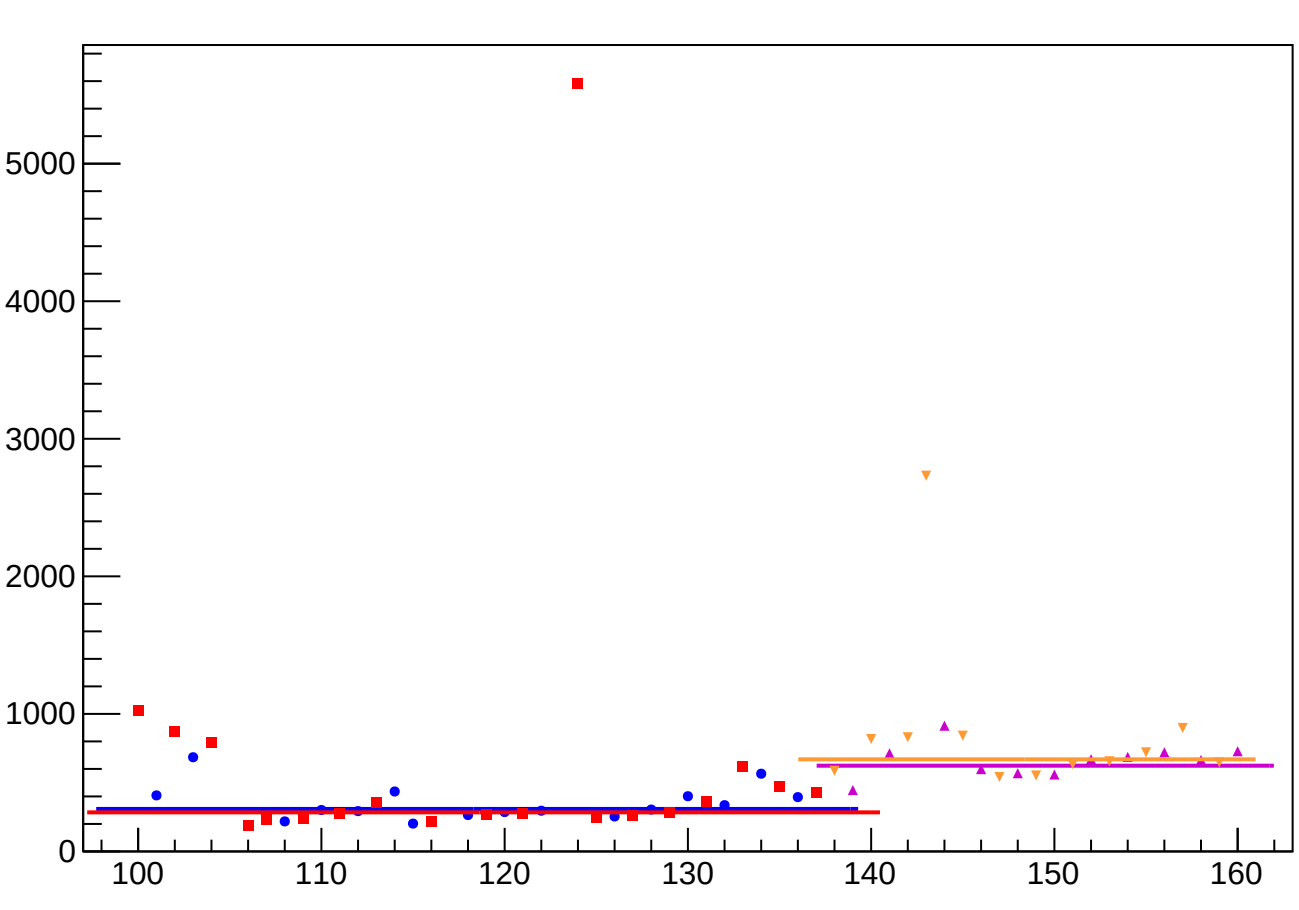
Left: -0.021+/-0.153 χ^2/NDF: 31.1/22

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.017+/-0.074 χ^2/NDF: 68.8/57



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: 623.494+/-0.146 χ^2/NDF:588585.2/10

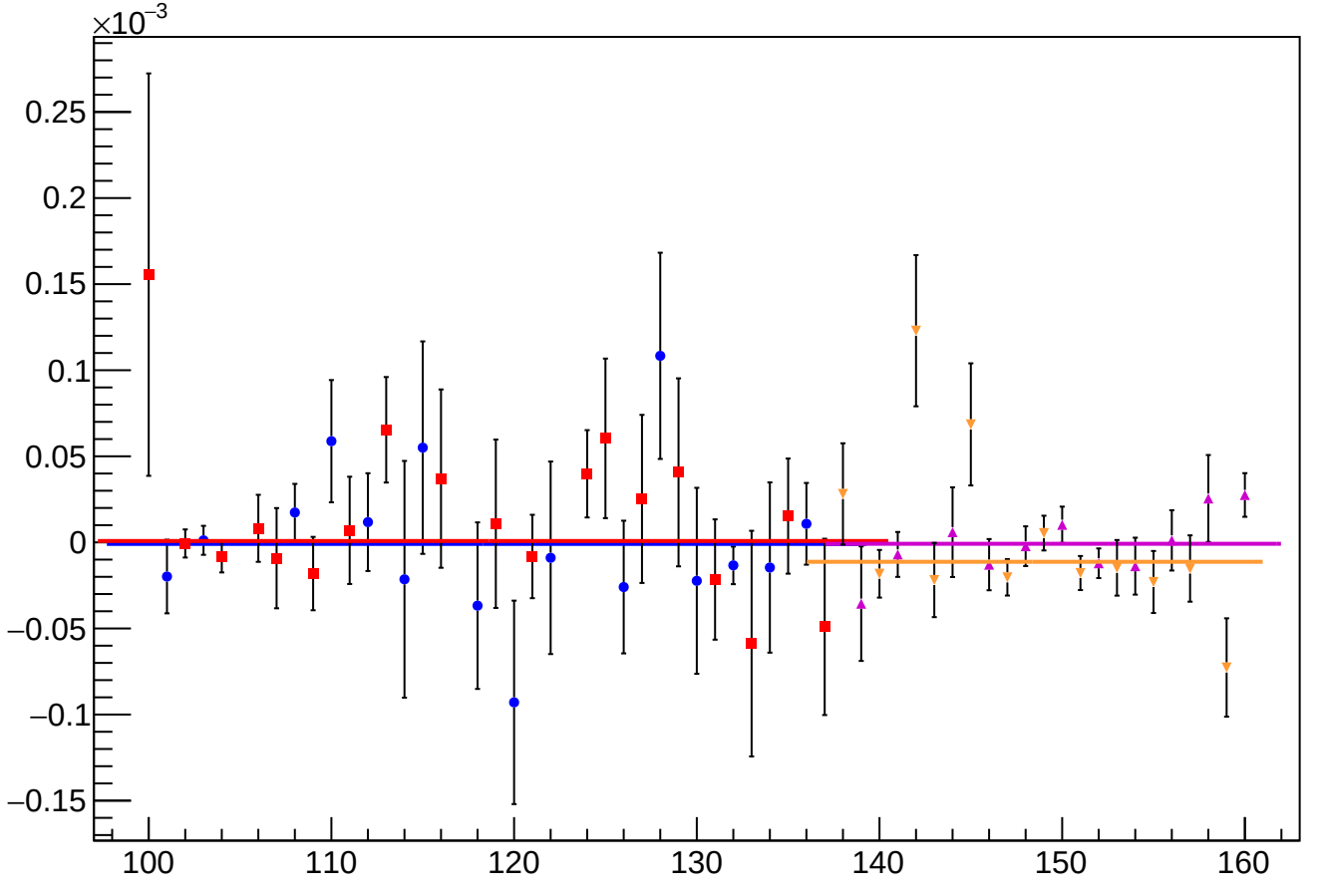
Left: 644.445+/-0.108 χ^2/NDF: 2033019.9/22

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 390.151+/-0.074 χ^2/NDF:5035147.3/26

Out: 364.918+/-0.074 χ^2/NDF:7809978.8/30

All: 377.410+/-0.052 χ^2/NDF: 12903461.4/57



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:11.6/10

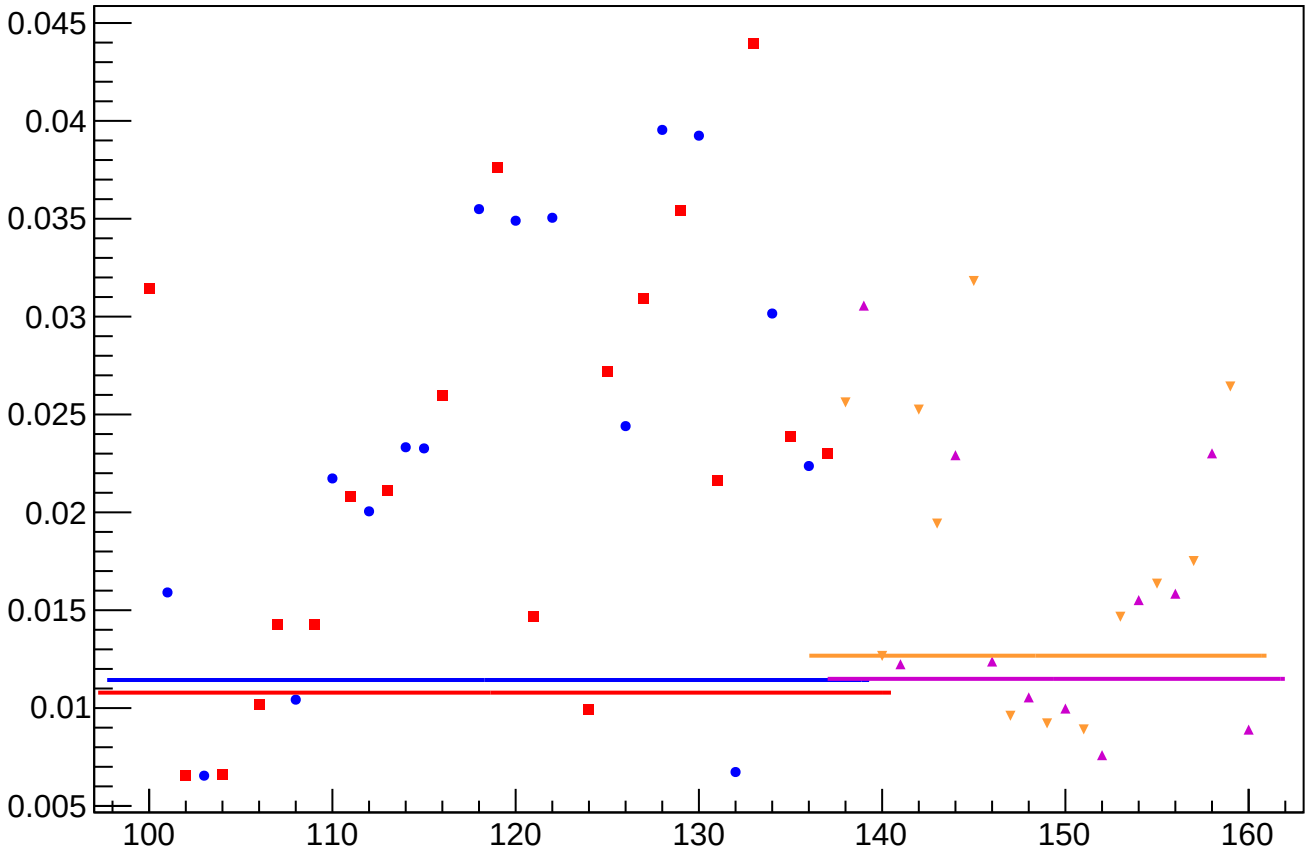
Left: -0.000+/-0.000 χ^2/NDF: 40.2/22

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.1/26

Out: -0.000+/-0.000 χ^2/NDF:45.2/30

All: -0.000+/-0.000 χ^2/NDF: 72.4/57



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: 0.011+/-0.000 χ^2/NDF:2263134.6/10

Left: 0.012+/-0.000 χ^2/NDF: 5064580.6/22

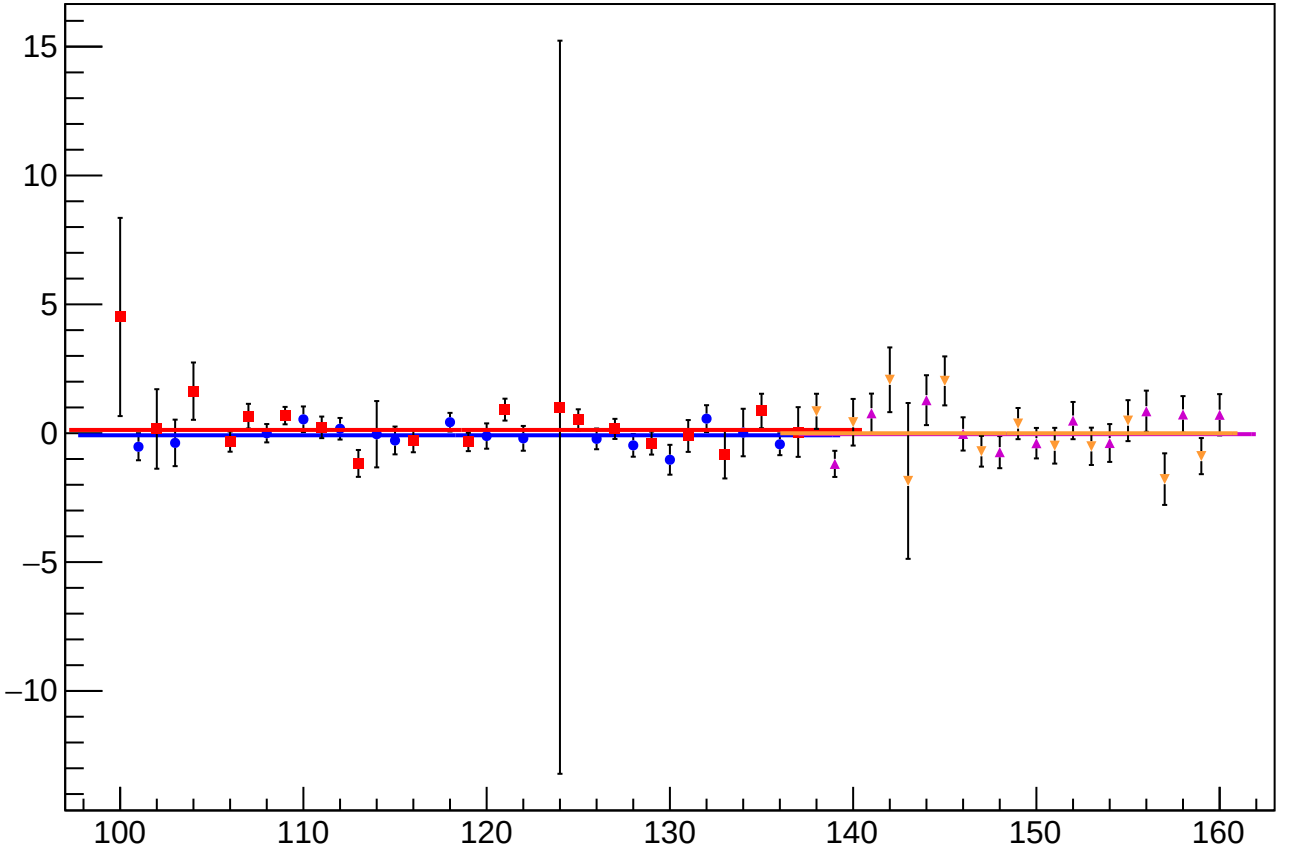
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:6963224.3/26

Out: 0.012+/-0.000 χ^2/NDF:7364024.7/30

All: 0.012+/-0.000 χ^2/NDF: 14337569.4/57

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: -0.037+/-0.207 χ^2/NDF:13.8/10

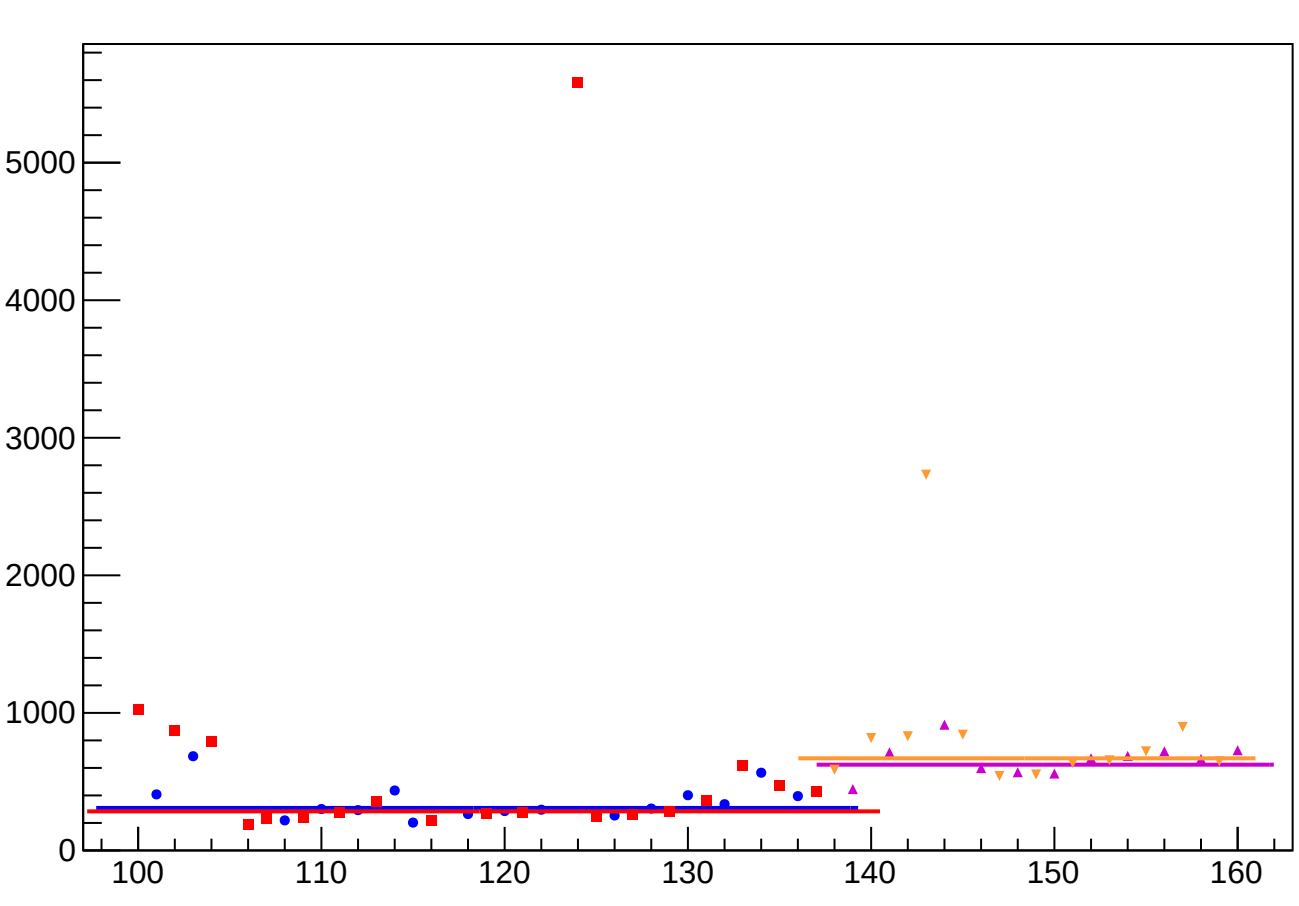
Left: -0.021+/-0.153 χ^2/NDF: 31.1/22

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.017+/-0.074 χ^2/NDF: 68.8/57



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: 623.503+/-0.146 χ^2/NDF:588567.9/10

Left: 644.454+/-0.108 χ^2/NDF: 2033002.0/22

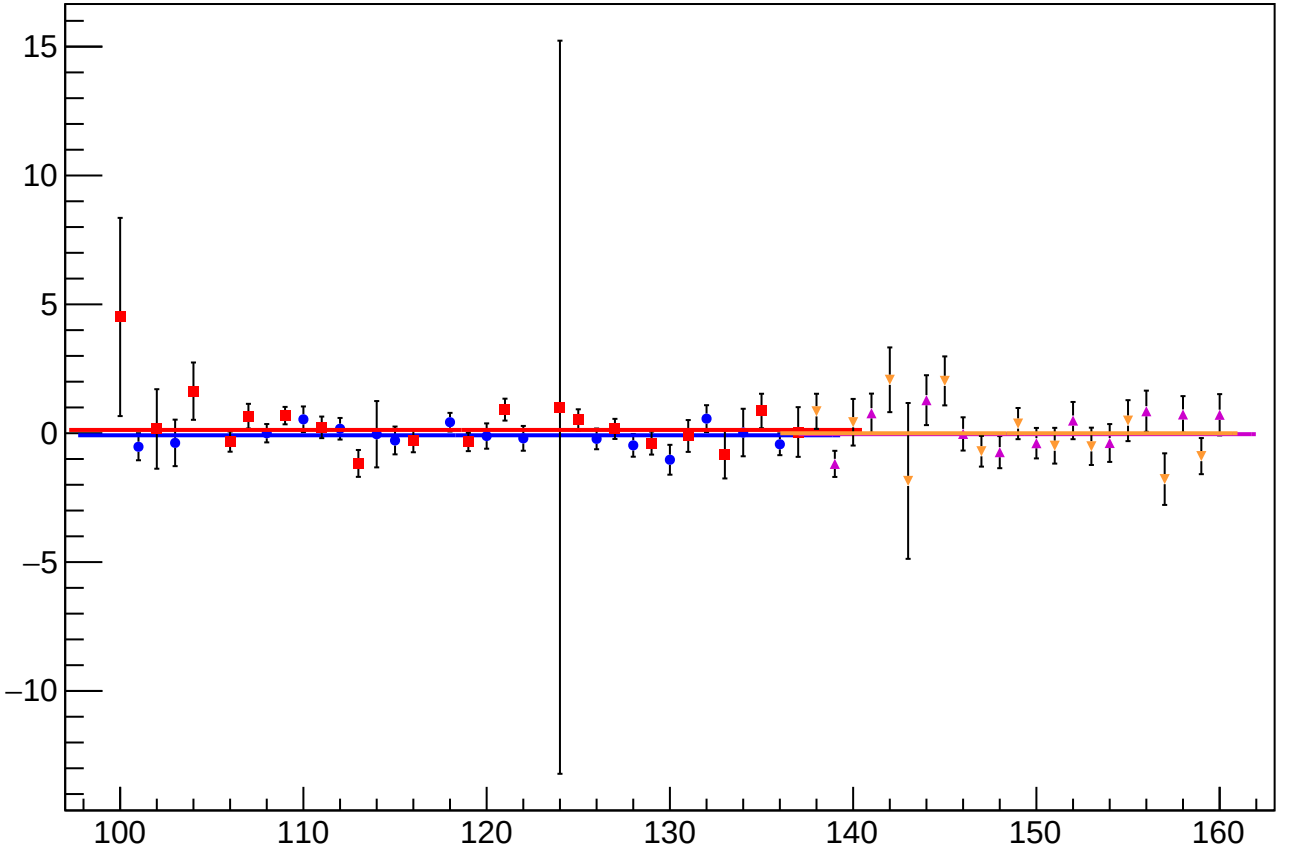
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 390.151+/-0.074 χ^2/NDF:5035243.0/26

Out: 364.918+/-0.074 χ^2/NDF:7810087.2/30

All: 377.409+/-0.052 χ^2/NDF: 12903667.1/57

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: -0.037+/-0.207 χ^2/NDF:13.8/10

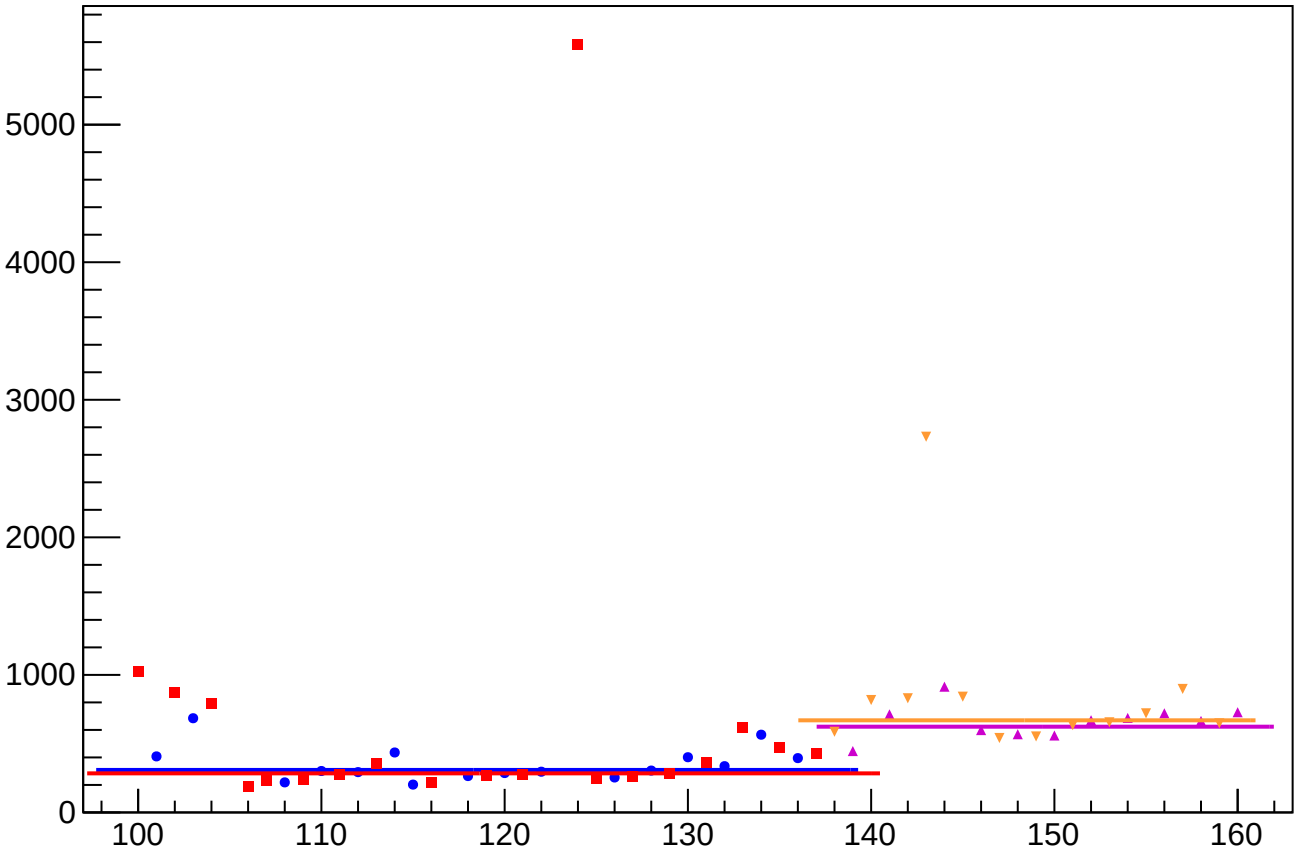
Left: -0.021+/-0.153 χ^2/NDF: 31.1/22

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.101+/-0.104 χ^2/NDF:42.9/30

All: 0.017+/-0.074 χ^2/NDF: 68.8/57



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: 623.503+/-0.146 χ^2/NDF:588567.9/10

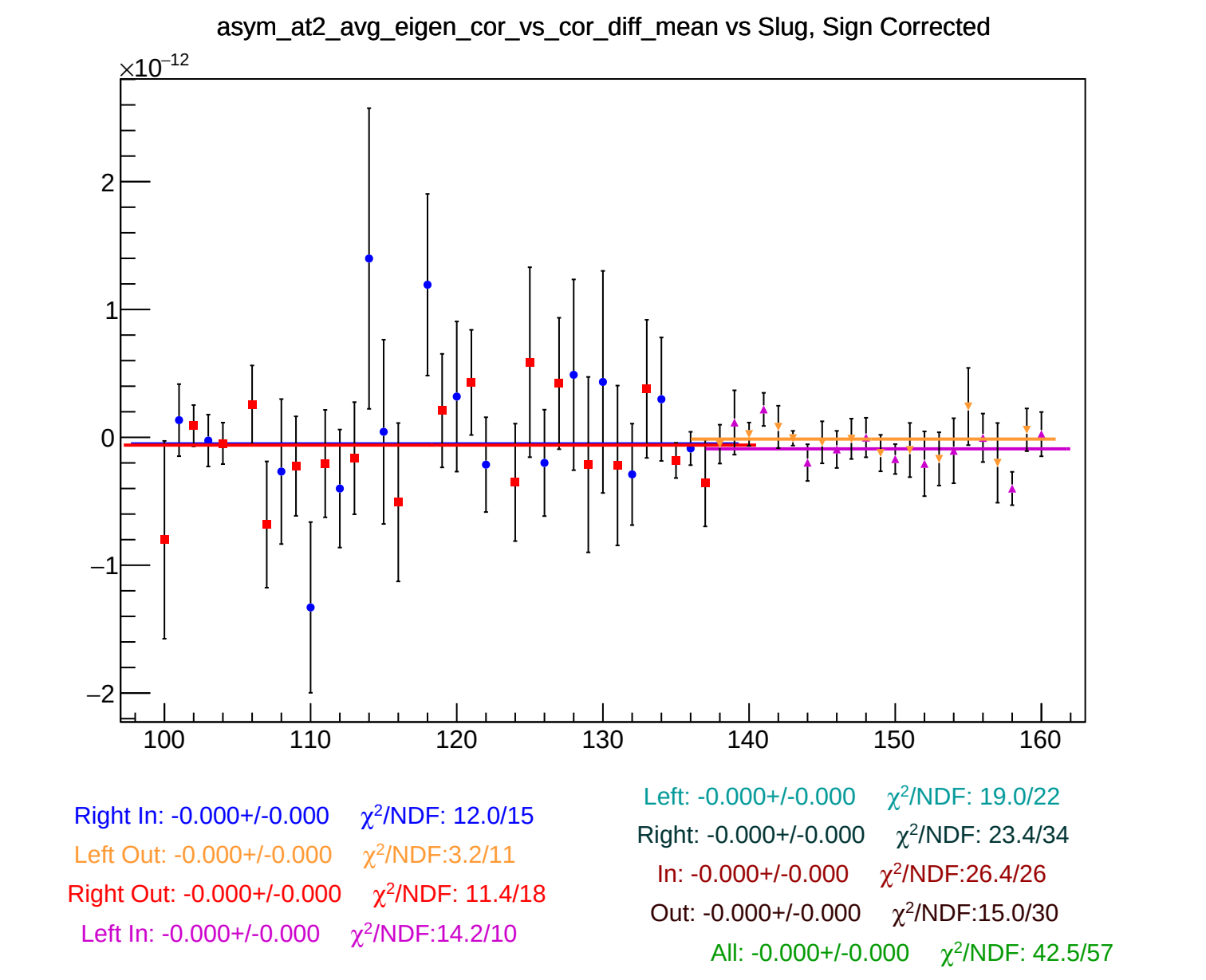
Left: 644.454+/-0.108 χ^2/NDF: 2033002.0/22

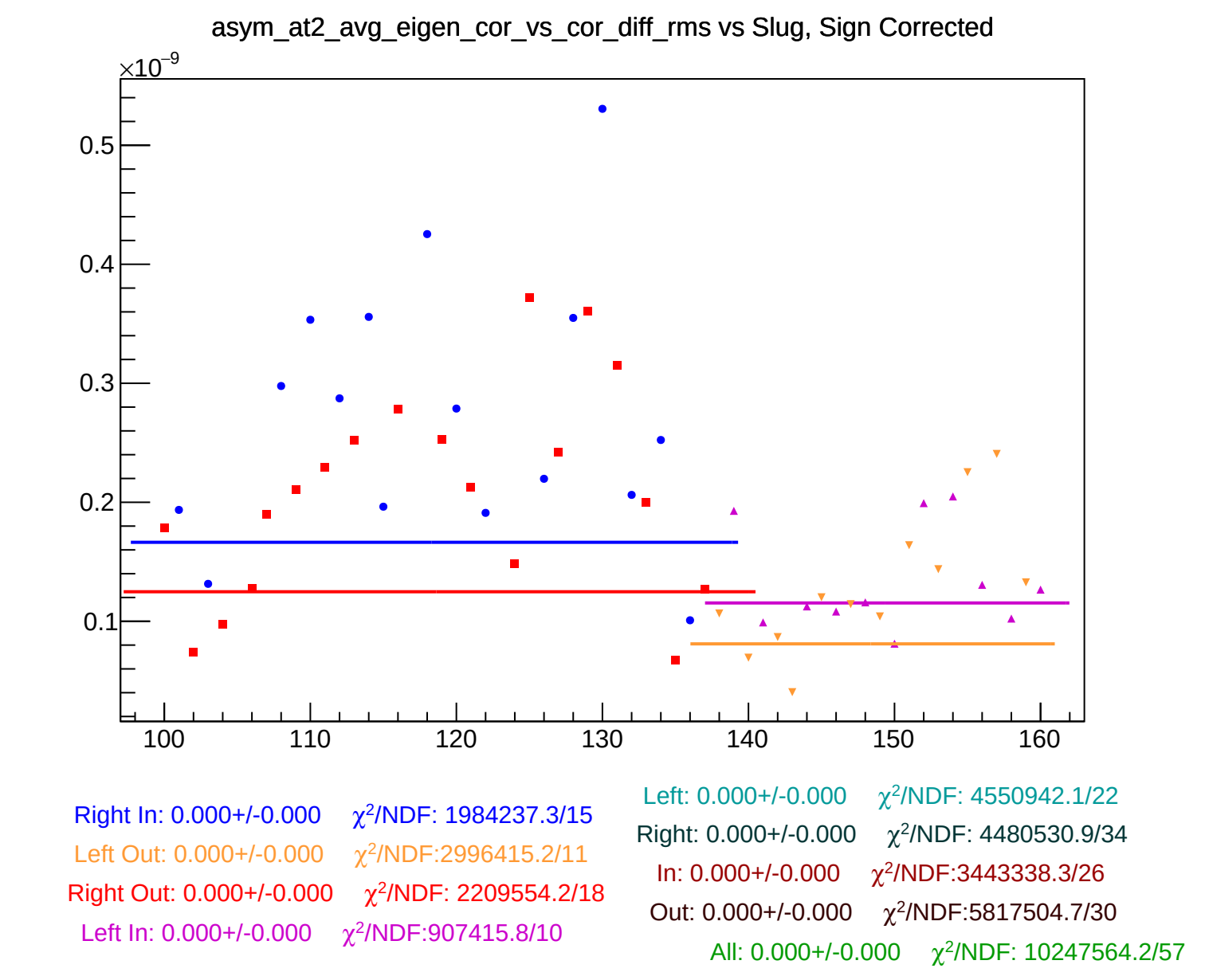
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

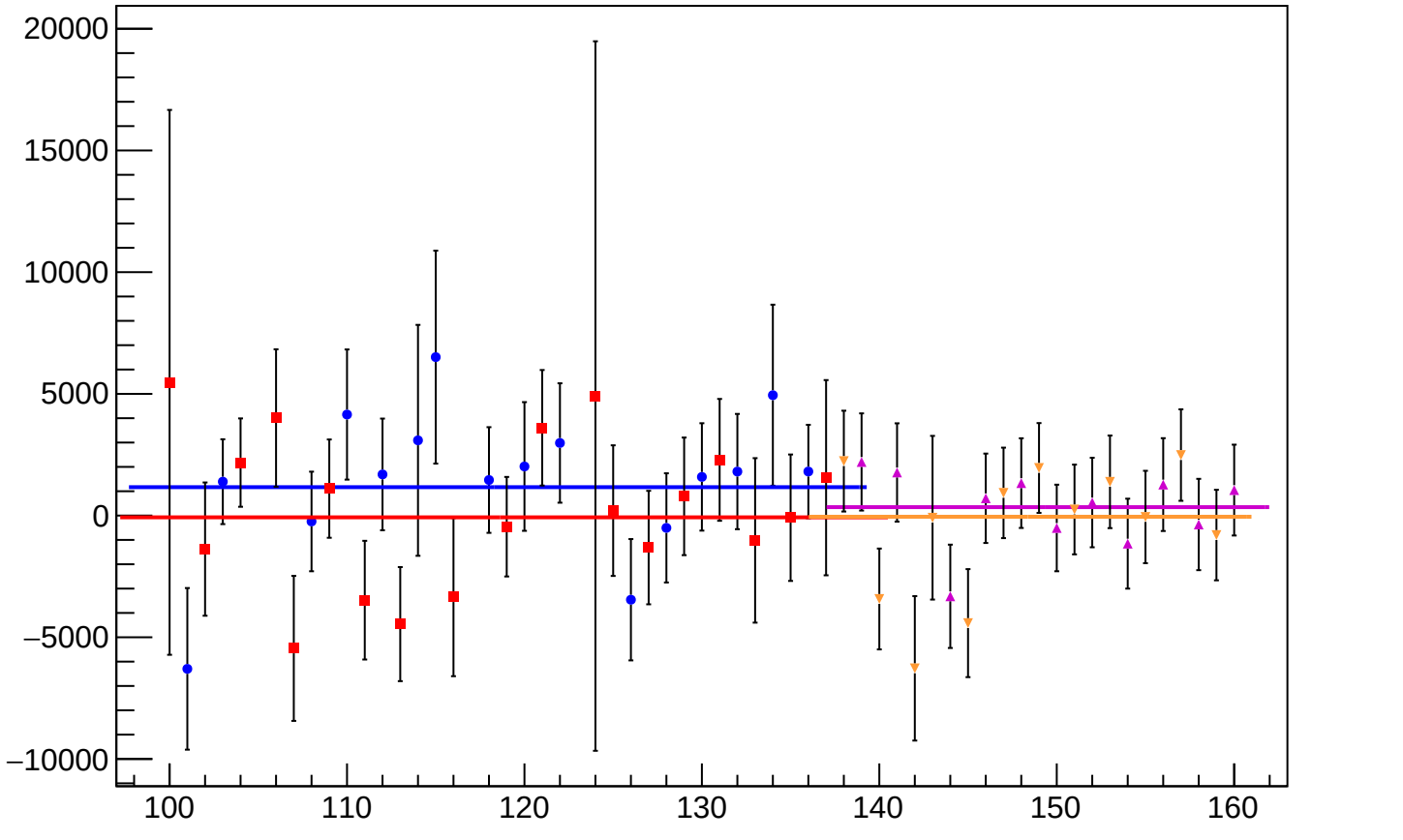
In: 390.151+/-0.074 χ^2/NDF:5035243.0/26

Out: 364.918+/-0.074 χ^2/NDF:7810087.2/30

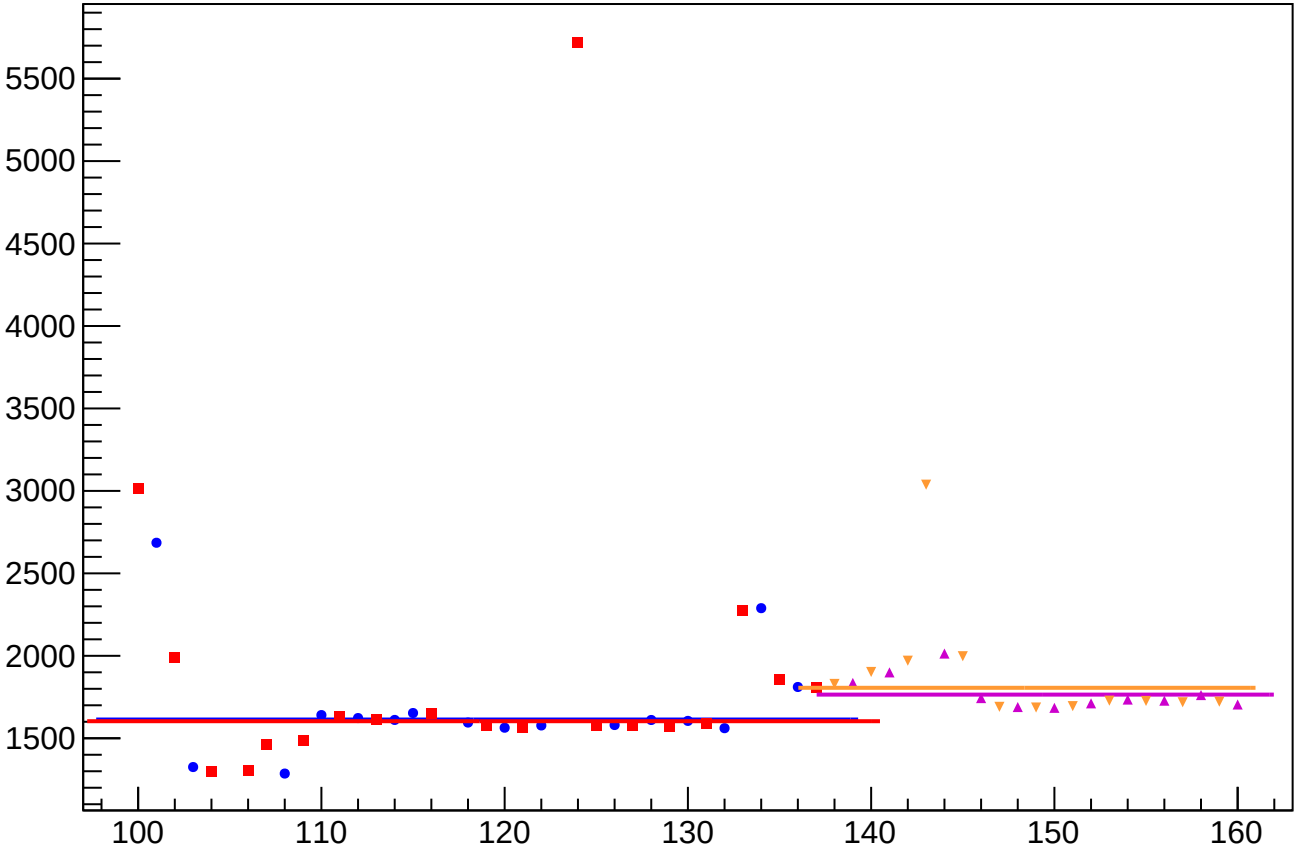
All: 377.409+/-0.052 χ^2/NDF: 12903667.1/57


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:14.2/10
Left: -0.000+/-0.000 χ²/NDF: 19.0/22
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:26.4/26
Out: -0.000+/-0.000 χ²/NDF:15.0/30
All: -0.000+/-0.000 χ²/NDF: 42.5/57


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:907415.8/10
Left: 0.000+/-0.000 χ²/NDF: 4550942.1/22
Right: 0.000+/-0.000 χ²/NDF: 4480530.9/34
In: 0.000+/-0.000 χ²/NDF:3443338.3/26
Out: 0.000+/-0.000 χ²/NDF:5817504.7/30
All: 0.000+/-0.000 χ²/NDF: 10247564.2/57


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -47.996+/-589.672 χ²/NDF:16.2/11
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 346.427+/-571.580 χ²/NDF:6.1/10
Left: 155.359+/-410.415 χ²/NDF: 22.5/22
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 730.551+/-416.824 χ²/NDF:21.5/26
Out: -59.811+/-421.718 χ²/NDF:34.5/30
All: 339.982+/-296.454 χ²/NDF: 57.7/57

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: 1764.716+/-0.404 χ^2/NDF:51601.7/10

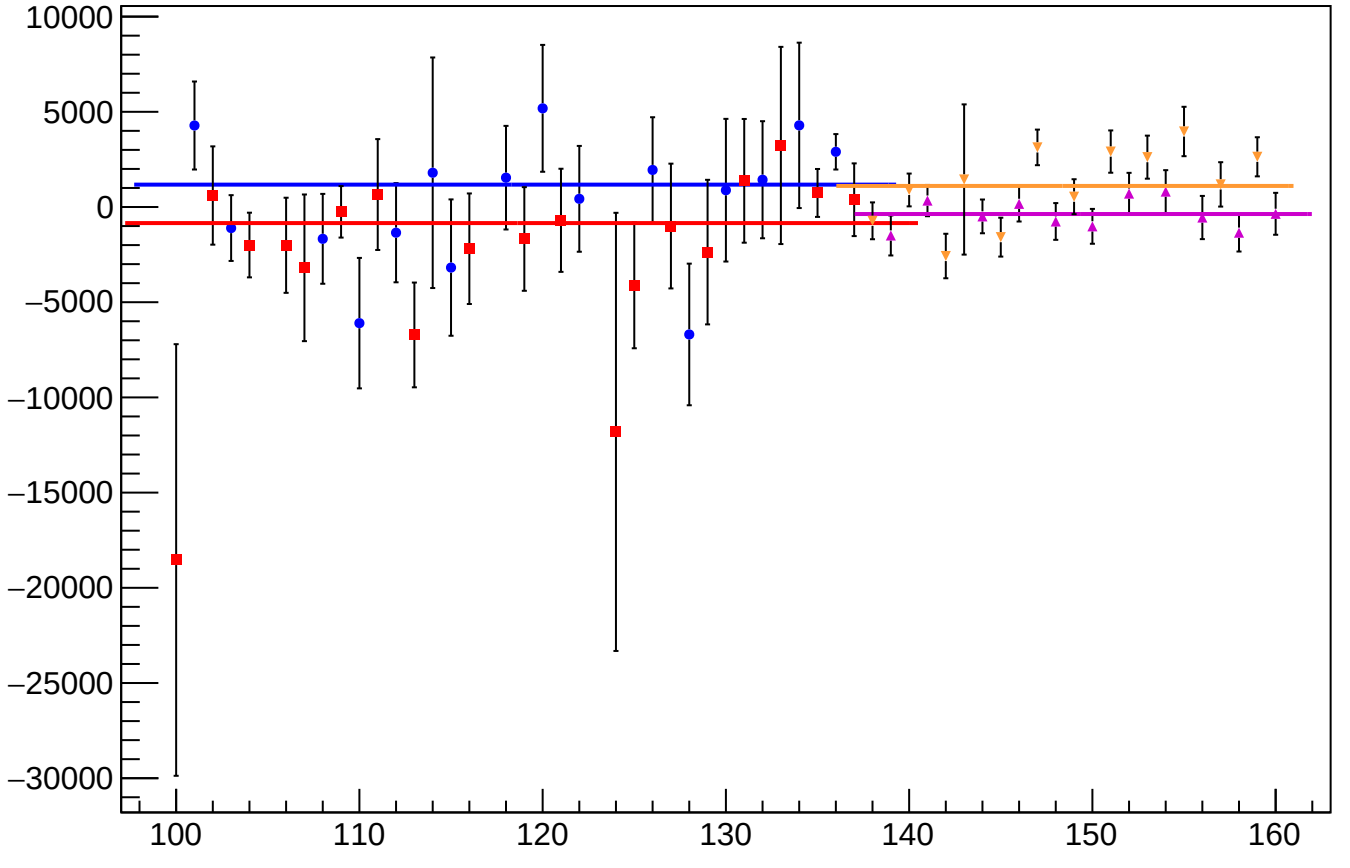
Left: 1784.741+/-0.290 χ^2/NDF: 389413.0/22

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1693.998+/-0.295 χ^2/NDF:521678.3/26

Out: 1707.084+/-0.298 χ^2/NDF:873865.6/30

All: 1700.465+/-0.210 χ^2/NDF: 1396517.9/57



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: -368.138+/-296.914 χ^2/NDF:6.0/10

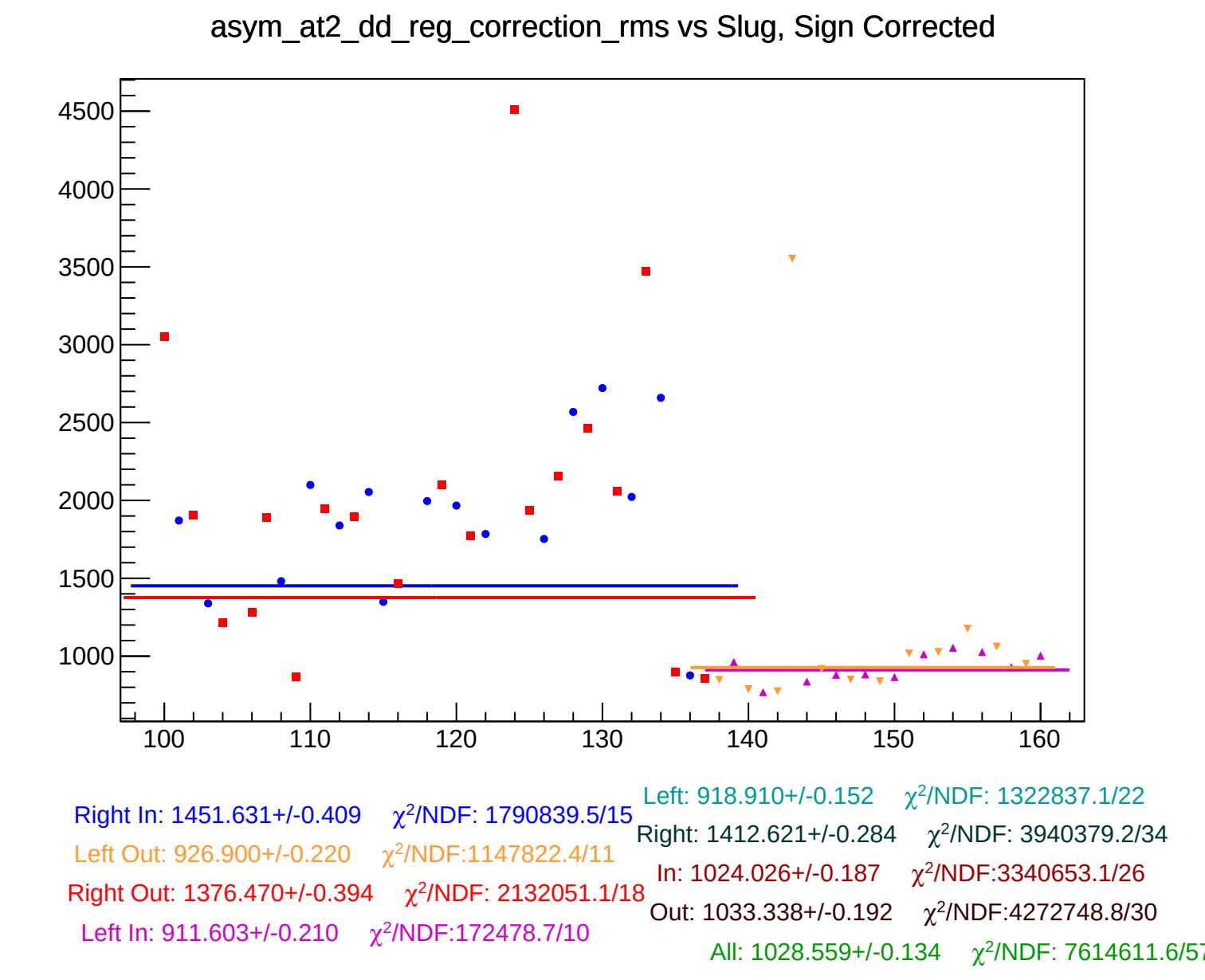
Left: 336.574+/-214.581 χ^2/NDF: 54.9/22

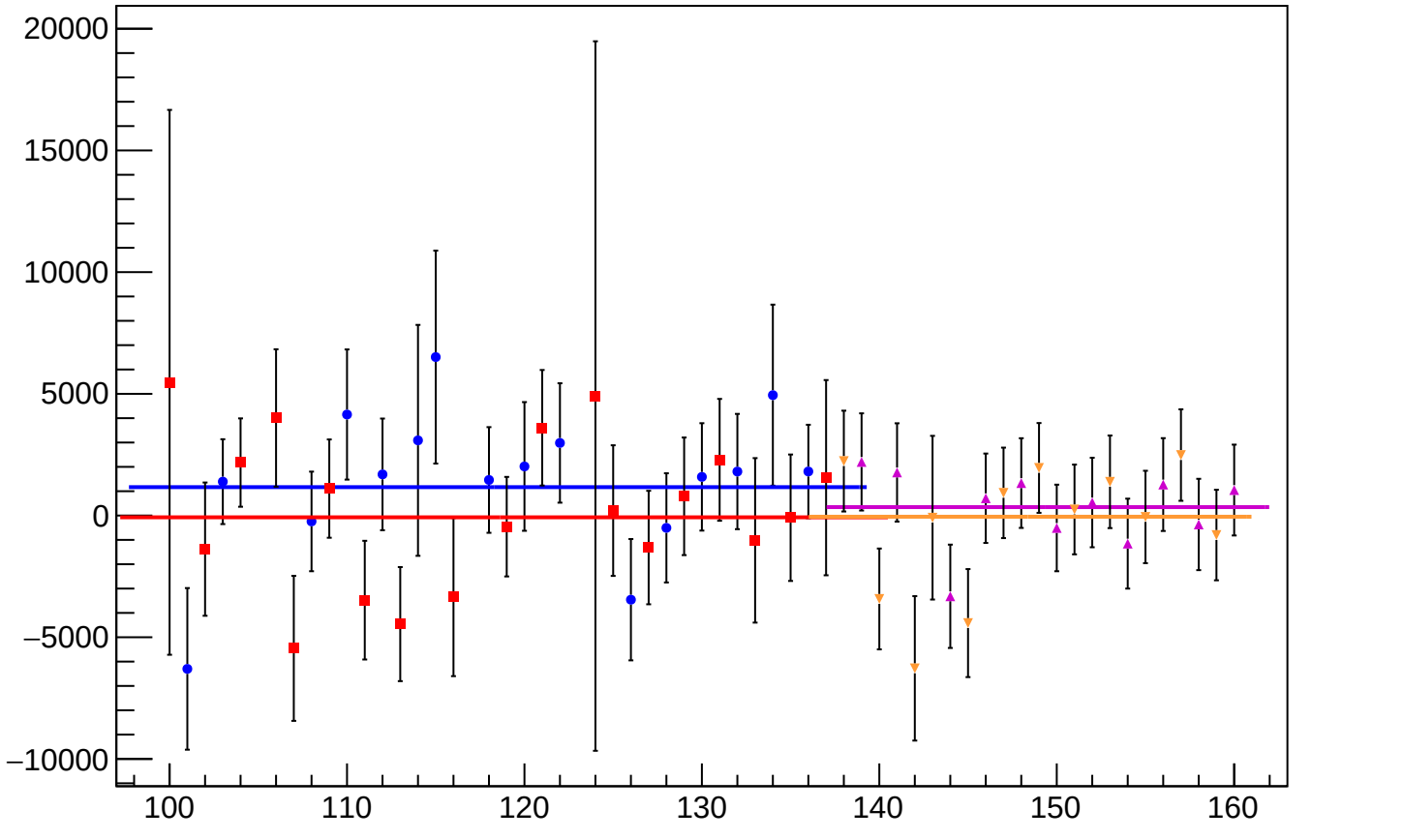
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -46.789+/-264.207 χ^2/NDF:33.6/26

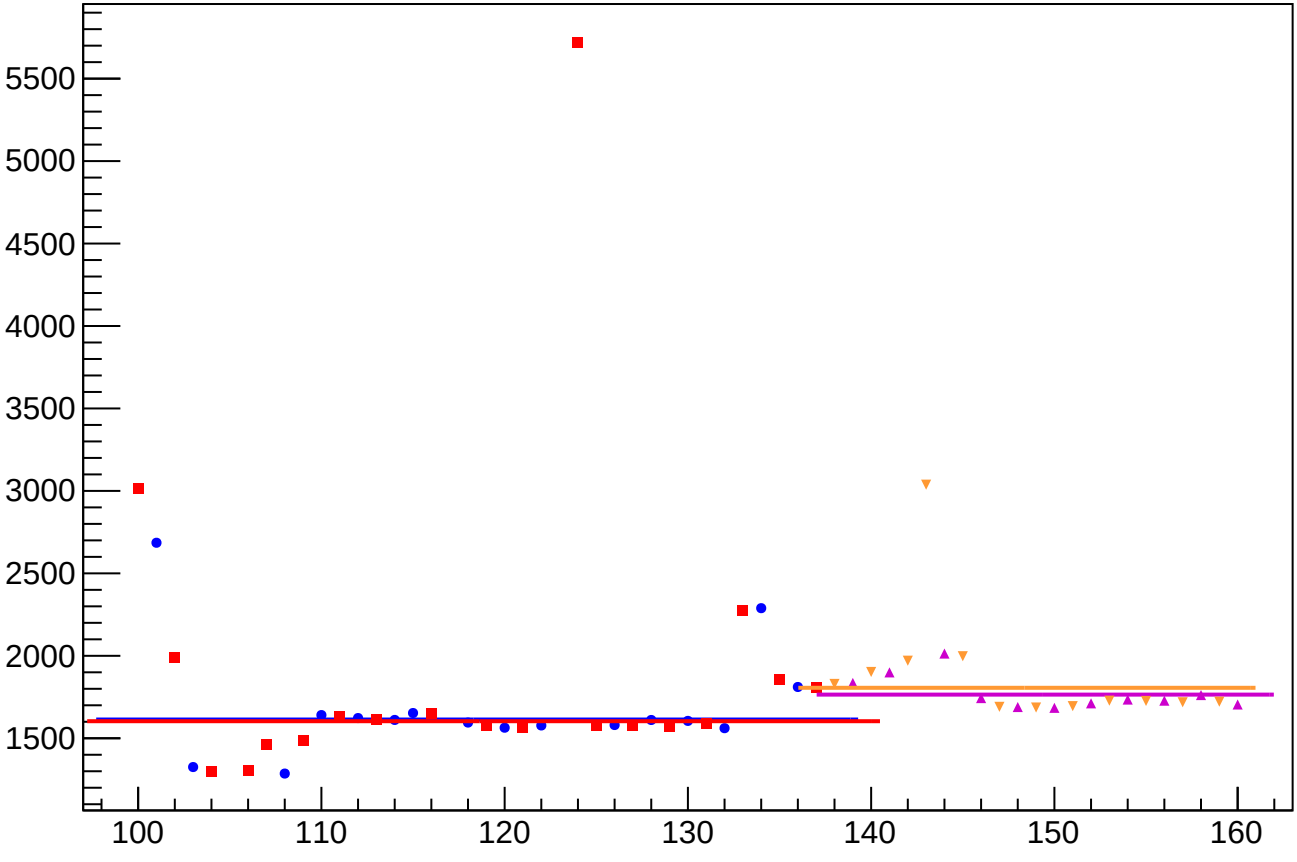
Out: 645.191+/-271.235 χ^2/NDF:60.7/30

All: 290.119+/-189.259 χ^2/NDF: 97.6/57


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1451.631+/-0.409 χ²/NDF: 1790839.5/15
Left Out: 926.900+/-0.220 χ²/NDF:1147822.4/11
Right Out: 1376.470+/-0.394 χ²/NDF: 2132051.1/18
Left In: 911.603+/-0.210 χ²/NDF:172478.7/10
Left: 918.910+/-0.152 χ²/NDF: 1322837.1/22
Right: 1412.621+/-0.284 χ²/NDF: 3940379.2/34
In: 1024.026+/-0.187 χ²/NDF:3340653.1/26
Out: 1033.338+/-0.192 χ²/NDF:4272748.8/30
All: 1028.559+/-0.134 χ²/NDF: 7614611.6/57


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: 346.409+/-571.580 χ²/NDF:6.1/10
Left: 155.251+/-410.415 χ²/NDF: 22.5/22
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 730.498+/-416.824 χ²/NDF:21.5/26
Out: -60.071+/-421.718 χ²/NDF:34.5/30
All: 339.827+/-296.454 χ²/NDF: 57.8/57

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: 1764.716+/-0.404 χ^2/NDF:51601.7/10

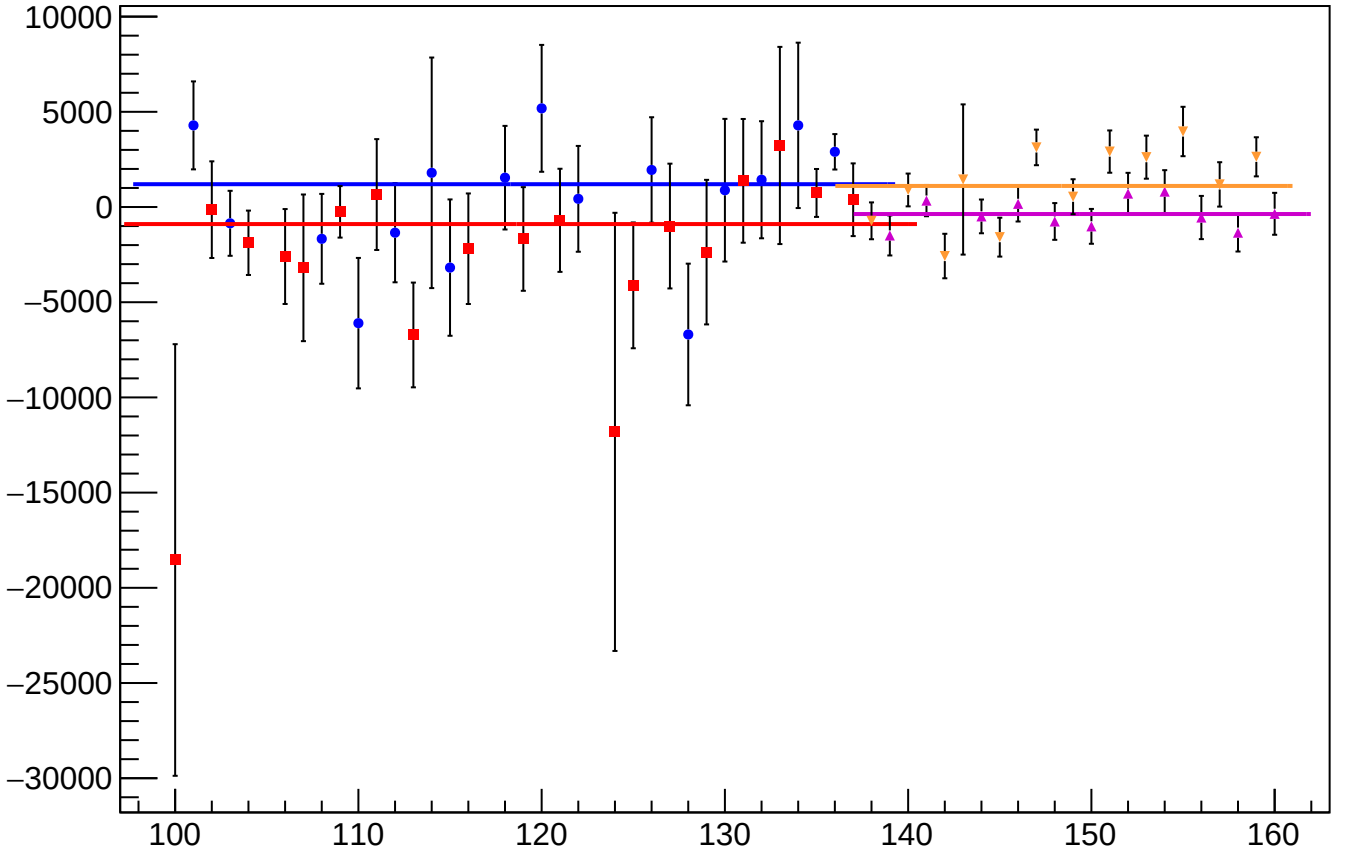
Left: 1784.741+/-0.290 χ^2/NDF: 389413.0/22

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.998+/-0.295 χ^2/NDF:521678.7/26

Out: 1707.084+/-0.298 χ^2/NDF:873865.8/30

All: 1700.465+/-0.210 χ^2/NDF: 1396518.4/57



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: -368.087+/-296.913 χ^2/NDF:6.0/10

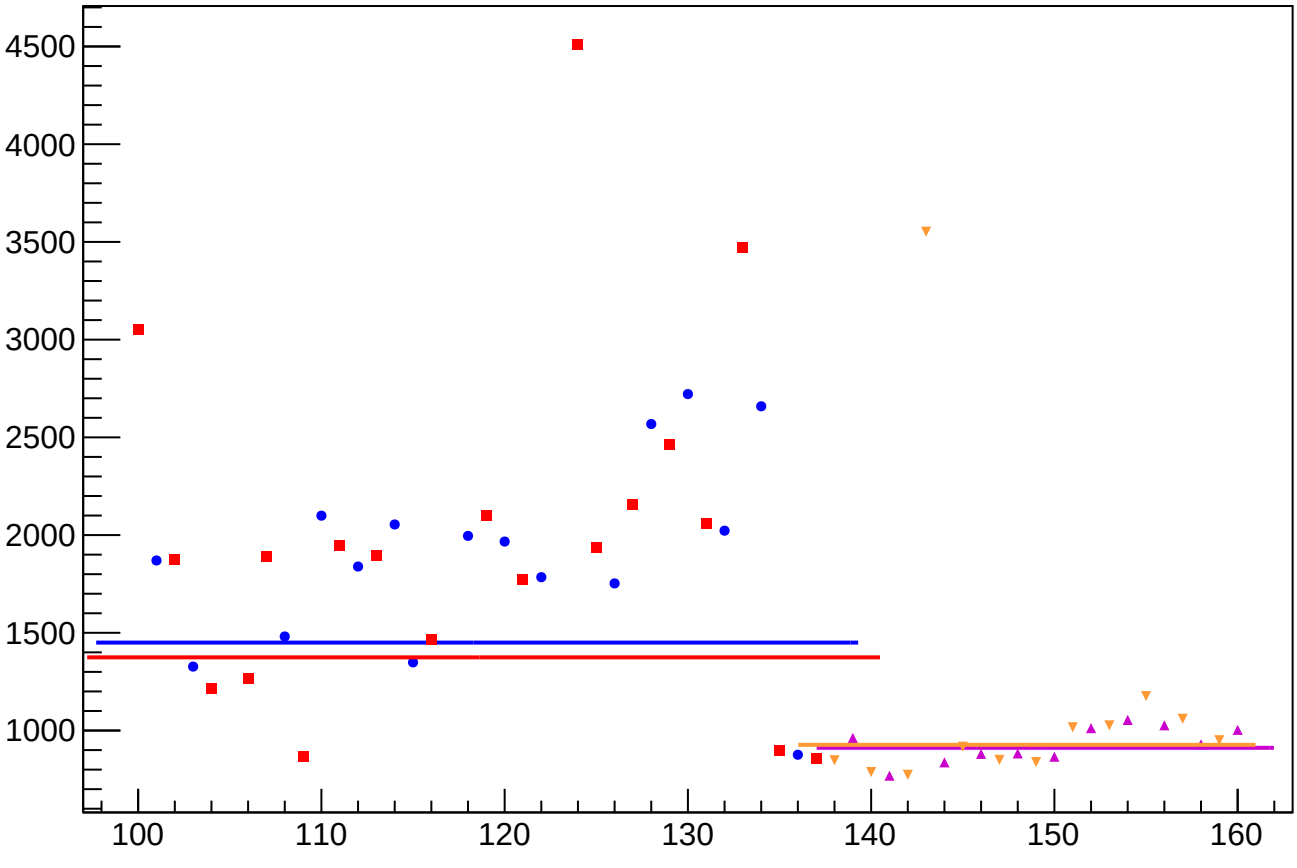
Left: 336.581+/-214.582 χ^2/NDF: 54.9/22

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -41.257+/-264.128 χ^2/NDF:33.5/26

Out: 631.944+/-271.149 χ^2/NDF:61.2/30

All: 286.516+/-189.200 χ^2/NDF: 97.8/57



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: 911.600+/-0.210 χ^2/NDF:172516.2/10

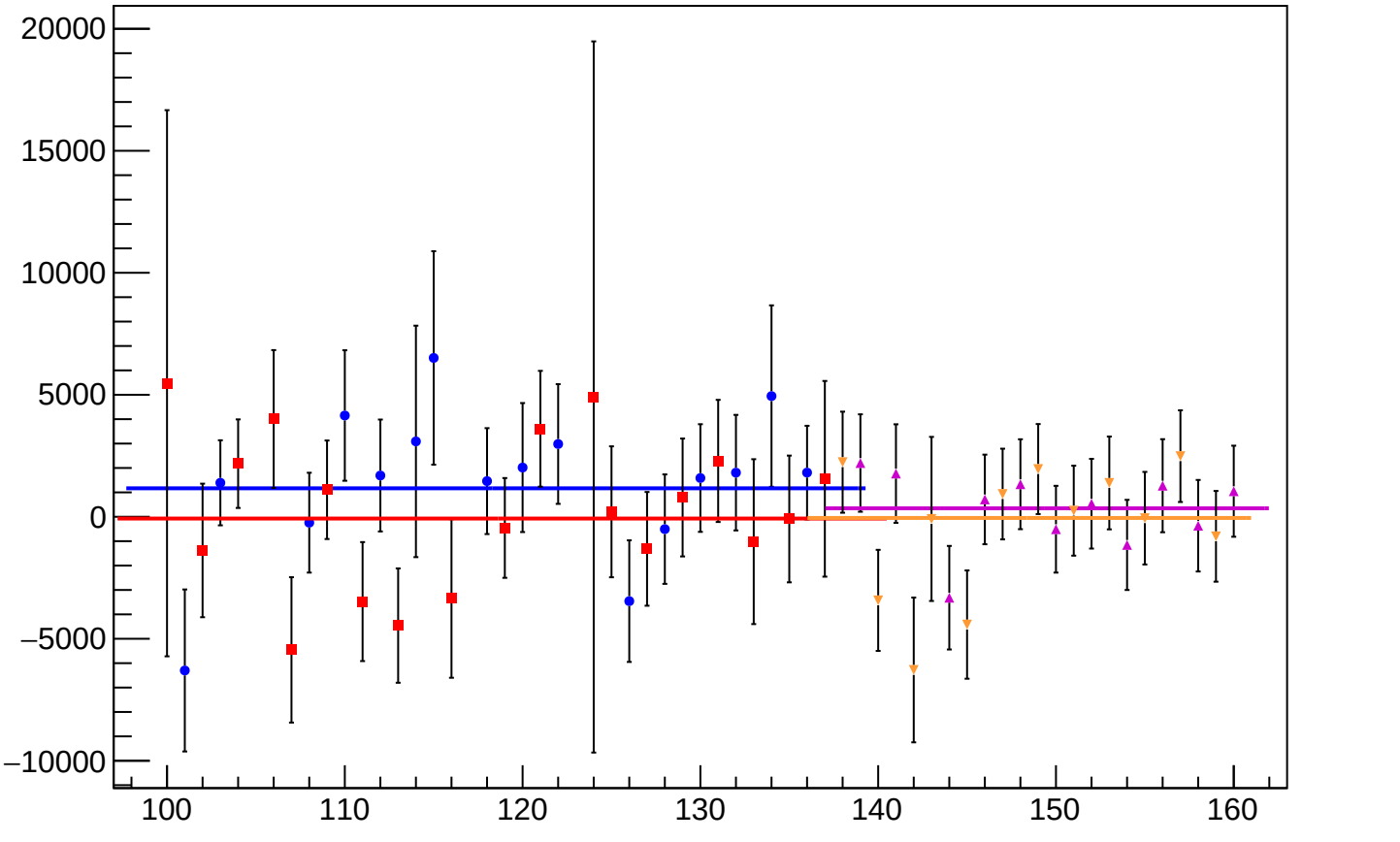
Left: 918.915+/-0.152 χ^2/NDF: 1322792.6/22

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1023.923+/-0.187 χ^2/NDF:3336998.2/26

Out: 1033.093+/-0.192 χ^2/NDF:4261367.6/30

All: 1028.388+/-0.134 χ^2/NDF: 7599539.6/57


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
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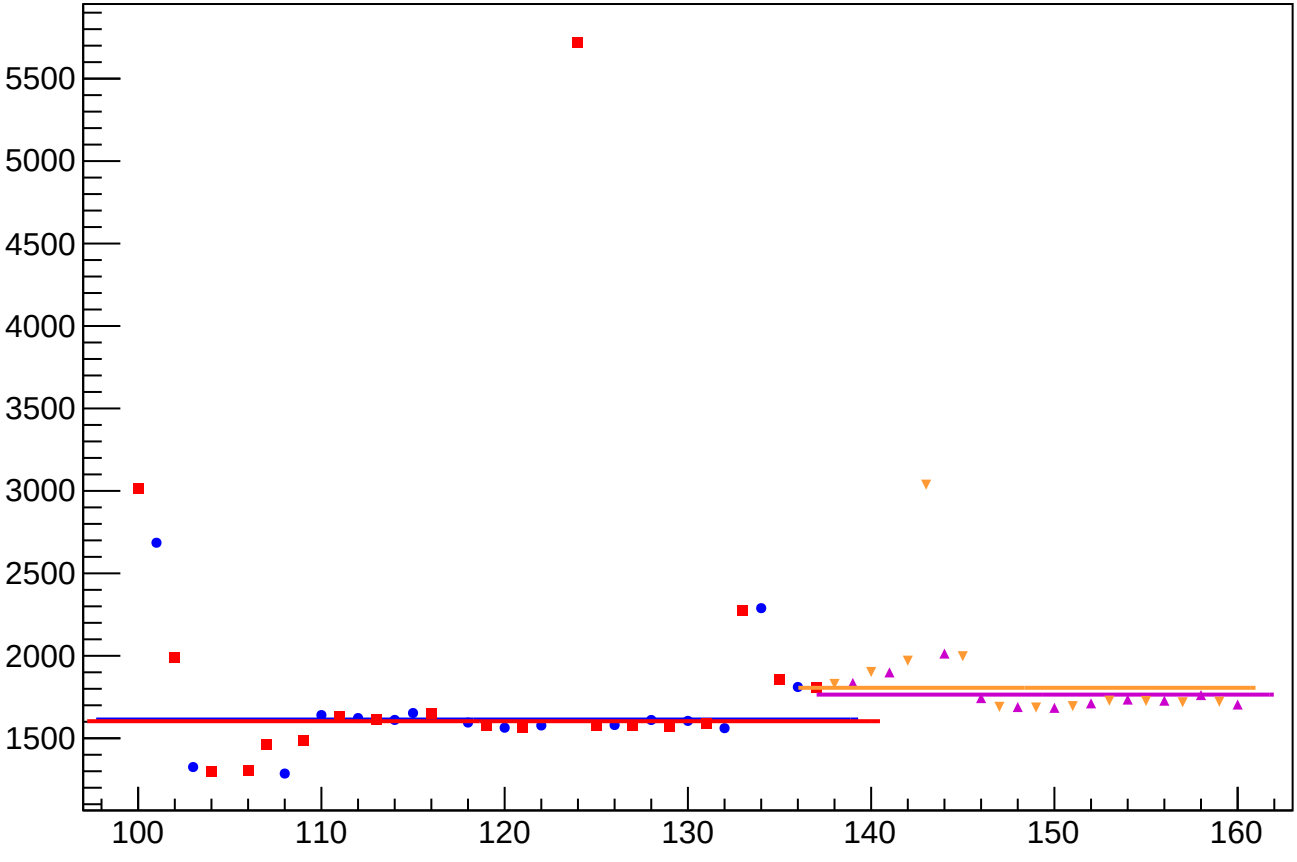
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -48.199+/-589.672 χ²/NDF:16.2/11
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 346.409+/-571.580 χ²/NDF:6.1/10
Left: 155.251+/-410.415 χ²/NDF: 22.5/22
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 730.498+/-416.824 χ²/NDF:21.5/26
Out: -60.071+/-421.718 χ²/NDF:34.5/30
All: 339.827+/-296.454 χ²/NDF: 57.8/57

eigen_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: 1764.716+/-0.404 χ^2/NDF:51601.7/10

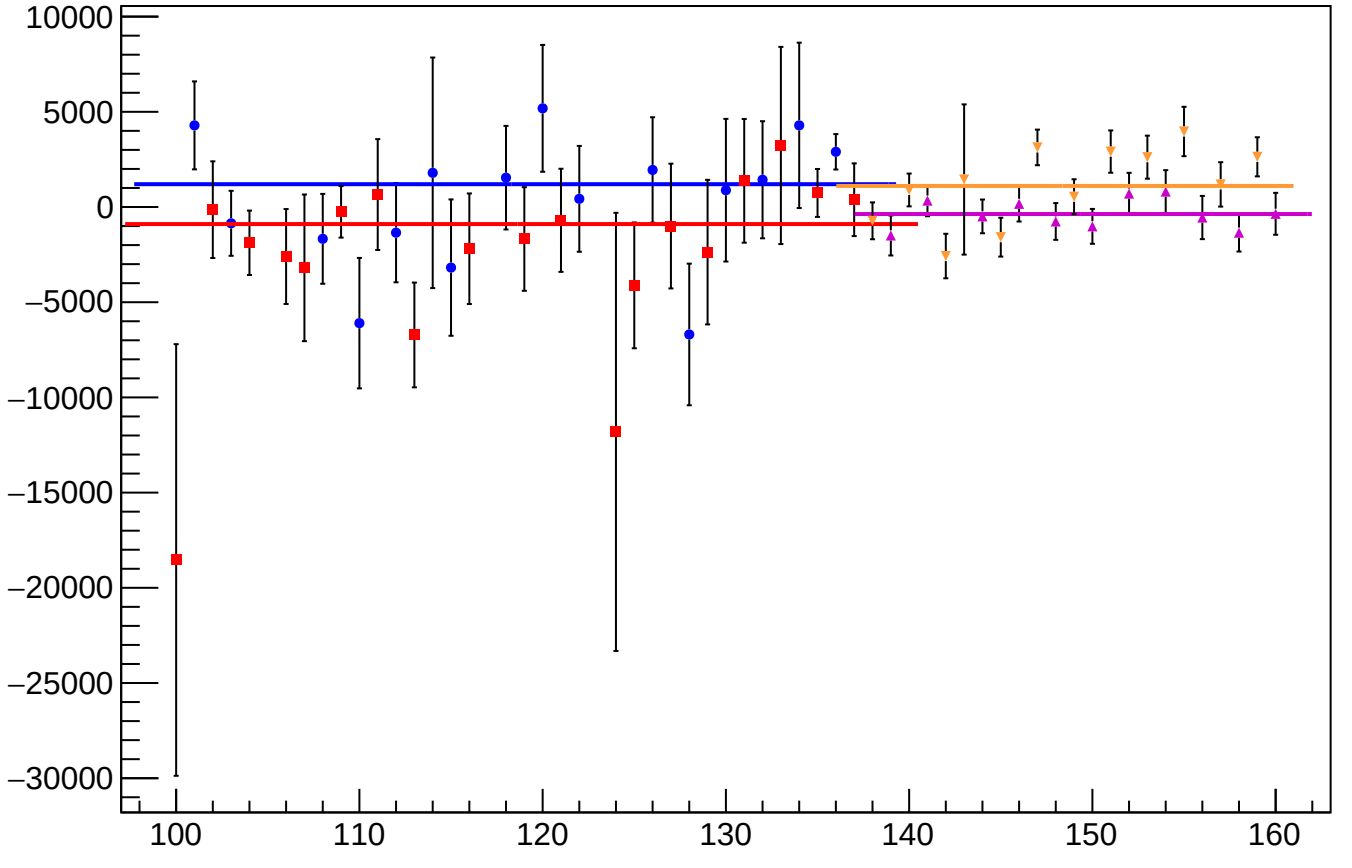
Left: 1784.741+/-0.290 χ^2/NDF: 389413.0/22

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.998+/-0.295 χ^2/NDF:521678.7/26

Out: 1707.084+/-0.298 χ^2/NDF:873865.8/30

All: 1700.465+/-0.210 χ^2/NDF: 1396518.4/57



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: -368.087+/-296.913 χ^2/NDF:6.0/10

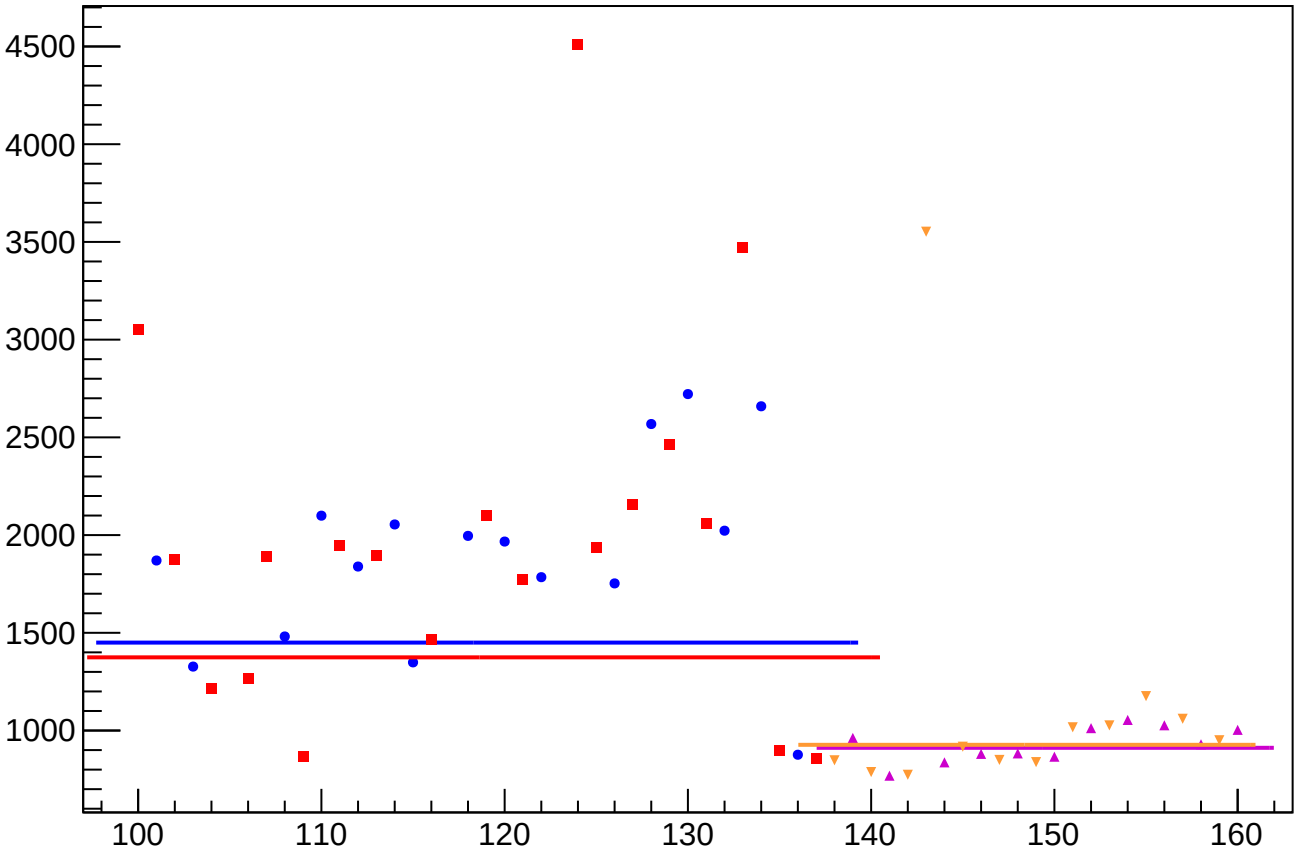
Left: 336.581+/-214.582 χ^2/NDF: 54.9/22

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -41.257+/-264.128 χ^2/NDF:33.5/26

Out: 631.944+/-271.149 χ^2/NDF:61.2/30

All: 286.516+/-189.200 χ^2/NDF: 97.8/57



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: 911.600+/-0.210 χ^2/NDF:172516.2/10

Left: 918.915+/-0.152 χ^2/NDF: 1322792.6/22

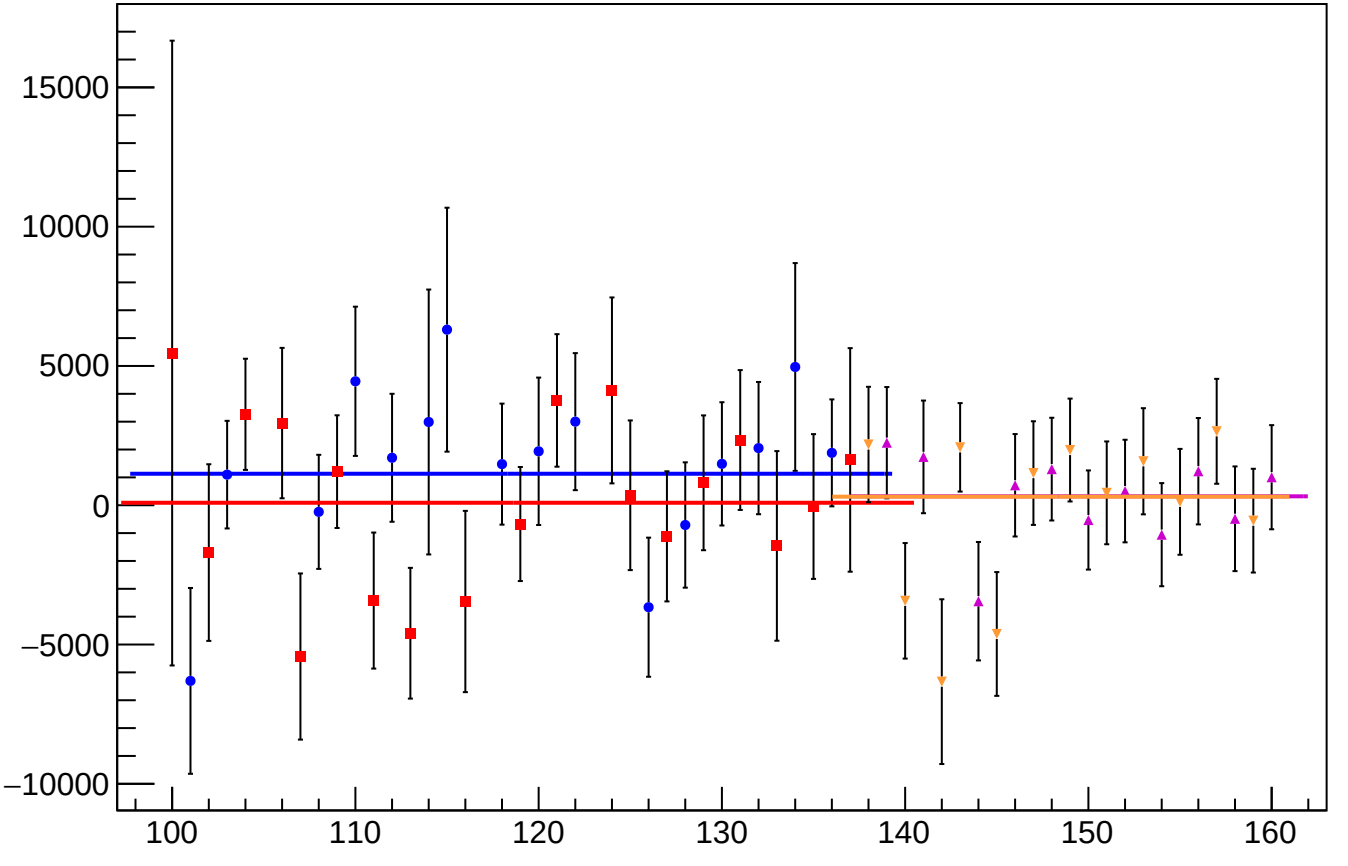
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1023.923+/-0.187 χ^2/NDF:3336998.2/26

Out: 1033.093+/-0.192 χ^2/NDF:4261367.6/30

All: 1028.388+/-0.134 χ^2/NDF: 7599539.6/57

dit_asym_at2_dd_mean vs Slug, Sign Corrected



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: 320.526+/-572.355 χ^2/NDF:6.2/10

Left: 313.909+/-400.636 χ^2/NDF: 24.7/22

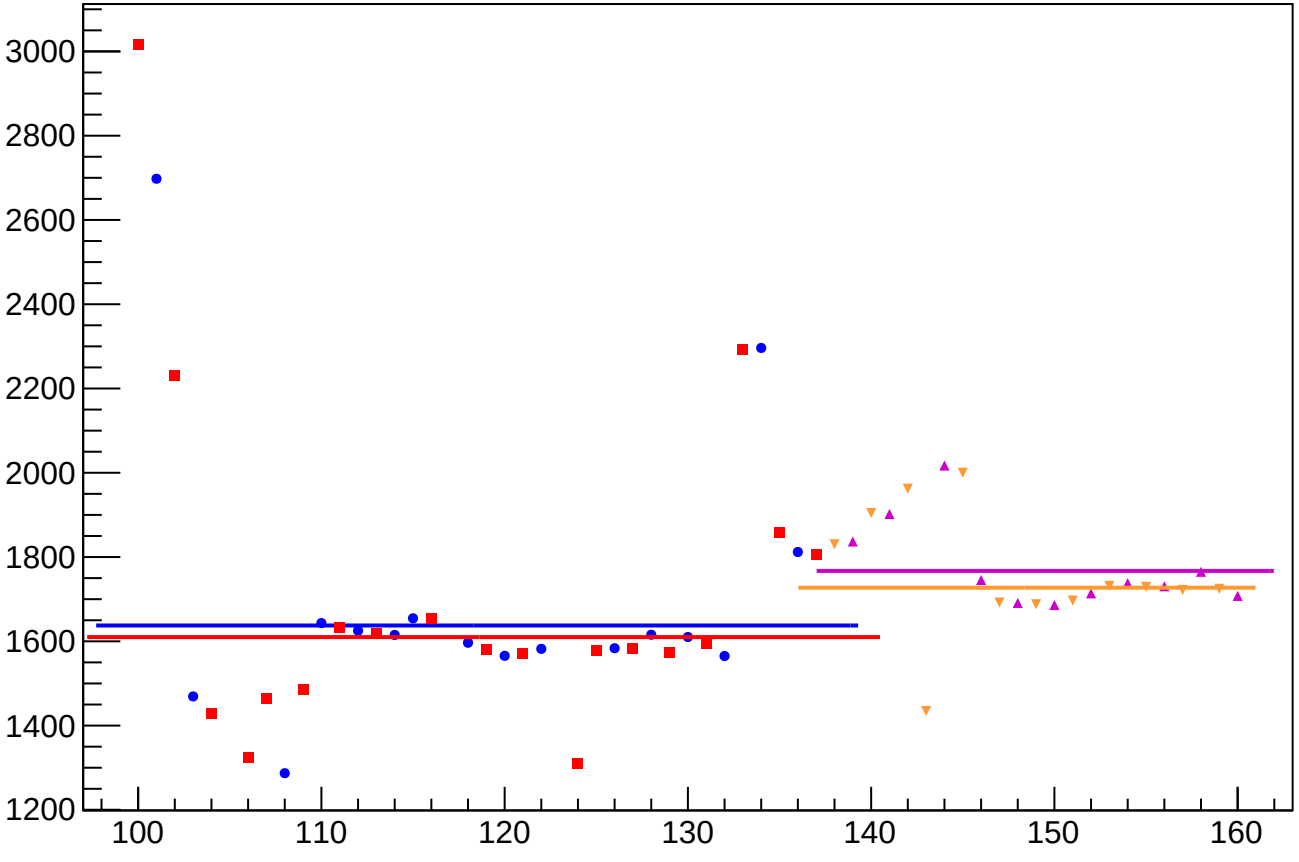
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 695.102+/-419.687 χ^2/NDF:22.1/26

Out: 206.270+/-410.751 χ^2/NDF:39.3/30

All: 445.426+/-293.553 χ^2/NDF: 62.1/57

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: 1767.090+/-0.405 χ^2/NDF:51765.0/10

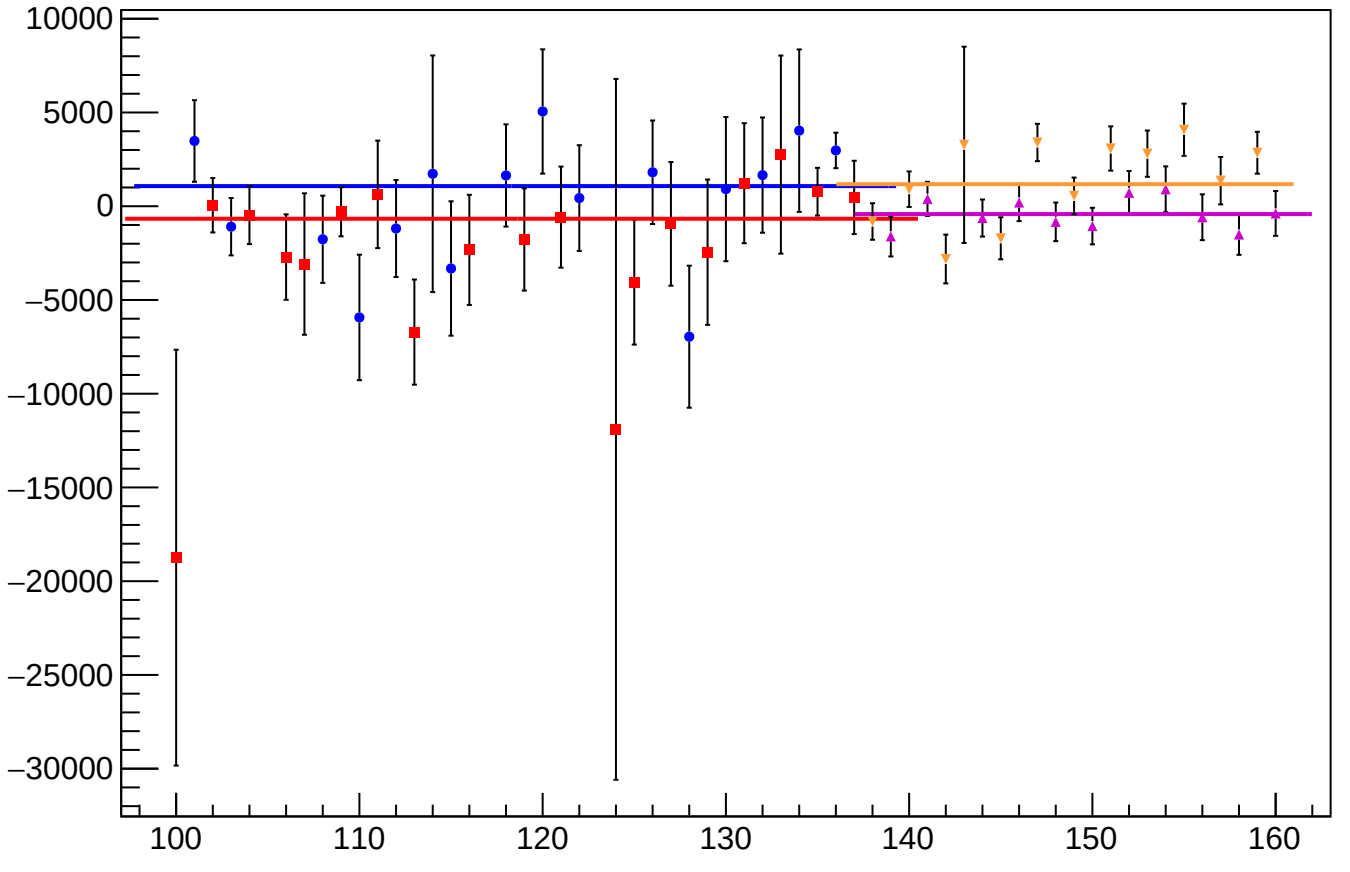
Left: 1746.782+/-0.283 χ^2/NDF: 189168.6/22

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.211+/-0.297 χ^2/NDF:460529.5/26

Out: 1672.890+/-0.290 χ^2/NDF:453794.0/30

All: 1689.682+/-0.208 χ^2/NDF: 921155.1/57



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1176.233+/-333.959 χ^2/NDF:36.8/11

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -418.896+/-320.237 χ^2/NDF:6.2/10

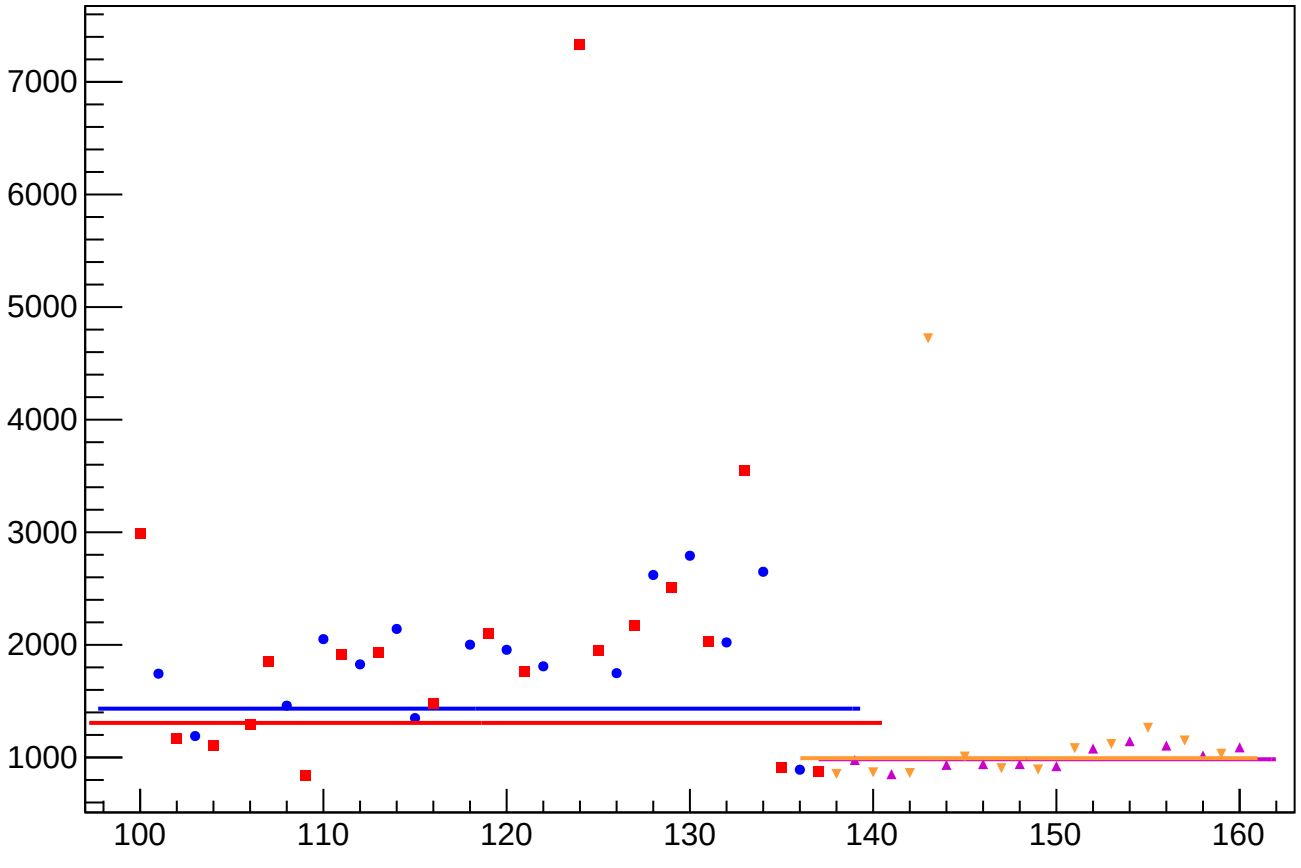
Left: 345.226+/-231.141 χ^2/NDF: 54.9/22

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -62.357+/-279.380 χ^2/NDF:33.4/26

Out: 642.823+/-281.544 χ^2/NDF:59.2/30

All: 287.513+/-198.312 χ^2/NDF: 95.8/57



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 993.496+/-0.236 χ^2/NDF:1290462.6/11

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 983.936+/-0.226 χ^2/NDF:147738.3/10

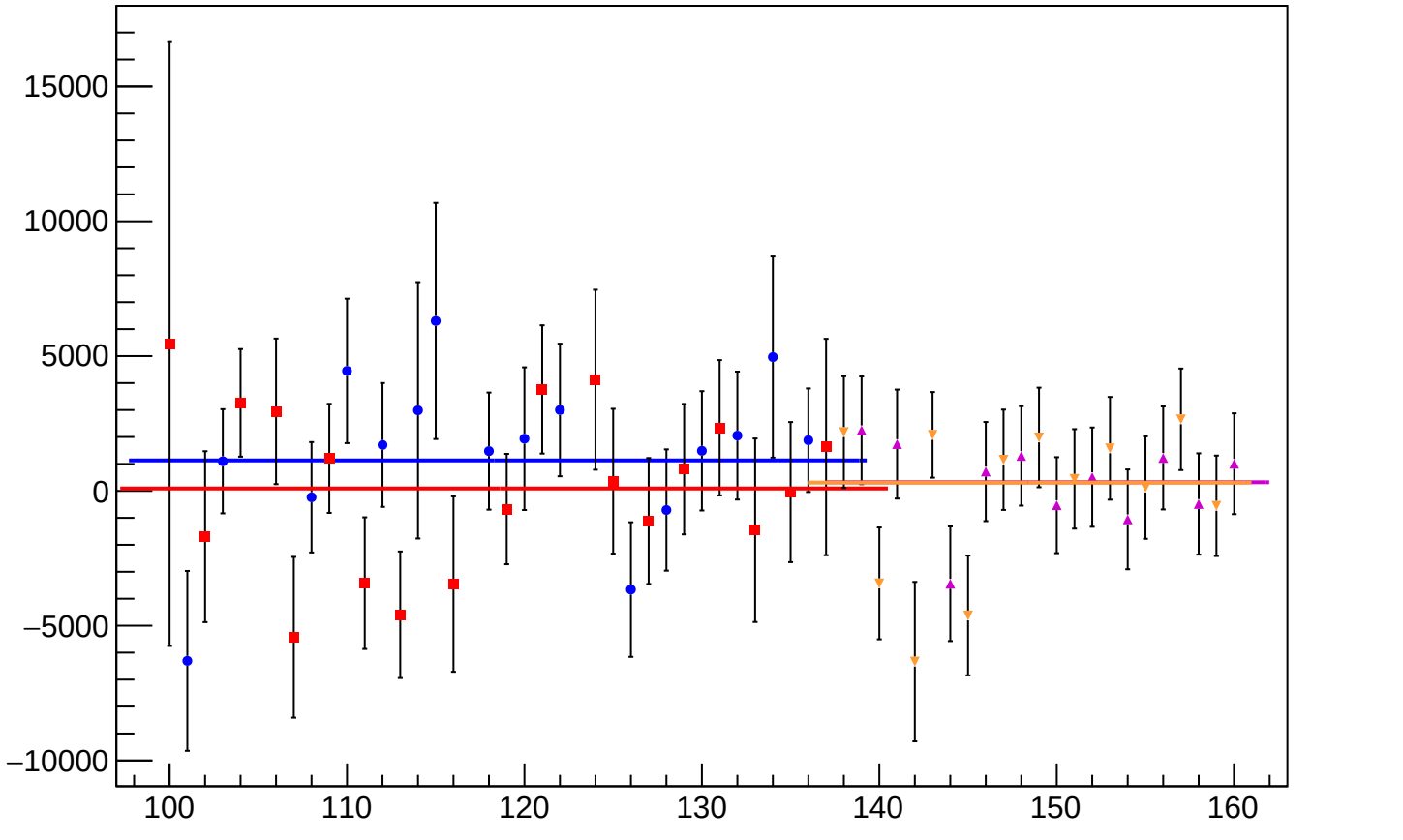
Left: 988.516+/-0.163 χ^2/NDF: 1439054.7/22

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1091.326+/-0.198 χ^2/NDF:2852725.4/26

Out: 1084.144+/-0.199 χ^2/NDF:3983766.8/30

All: 1087.763+/-0.140 χ^2/NDF: 6837148.1/57



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: 320.525+/-572.355 χ^2/NDF:6.2/10

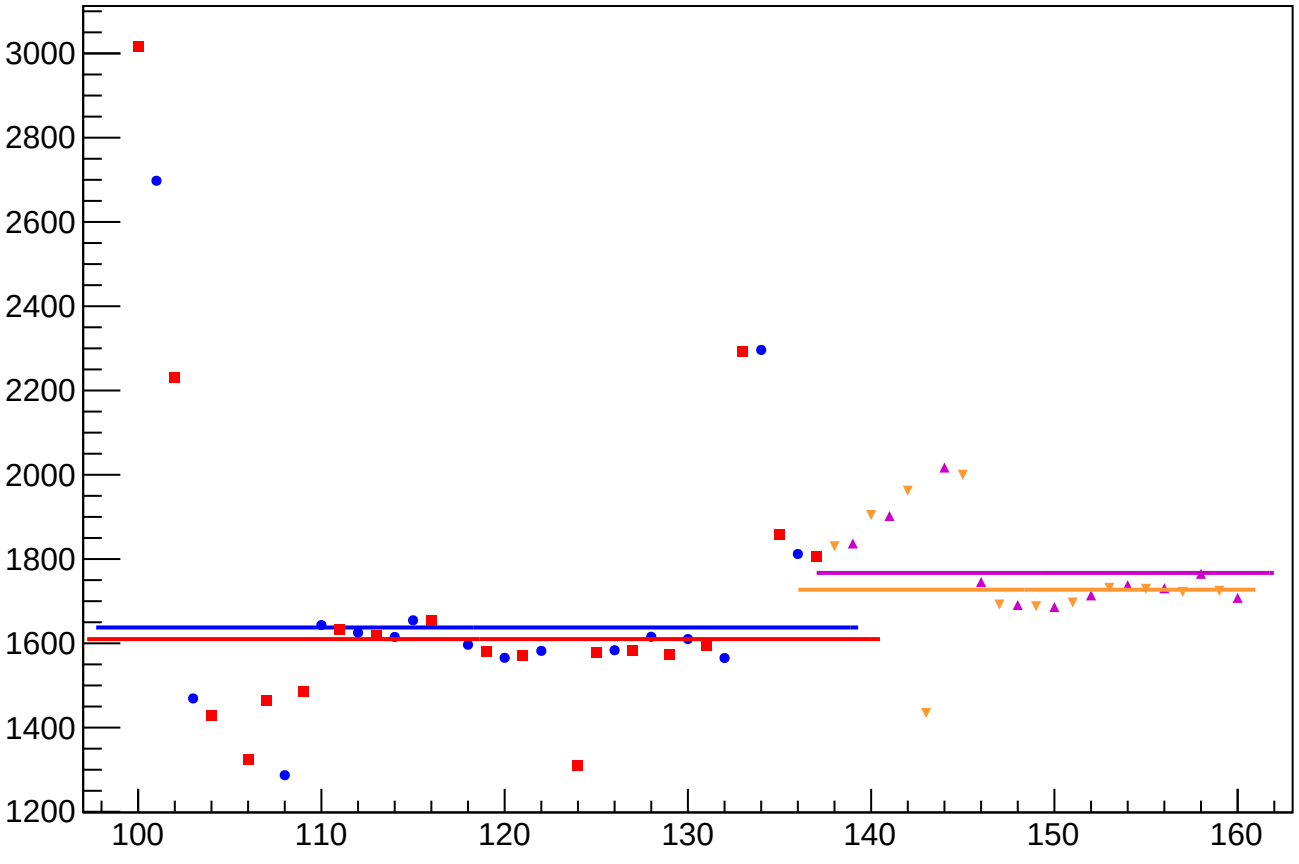
Left: 313.905+/-400.636 χ^2/NDF: 24.7/22

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 695.102+/-419.687 χ^2/NDF:22.1/26

Out: 206.268+/-410.751 χ^2/NDF:39.3/30

All: 445.426+/-293.553 χ^2/NDF: 62.1/57



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: 1767.090+/-0.405 χ^2/NDF:51765.1/10

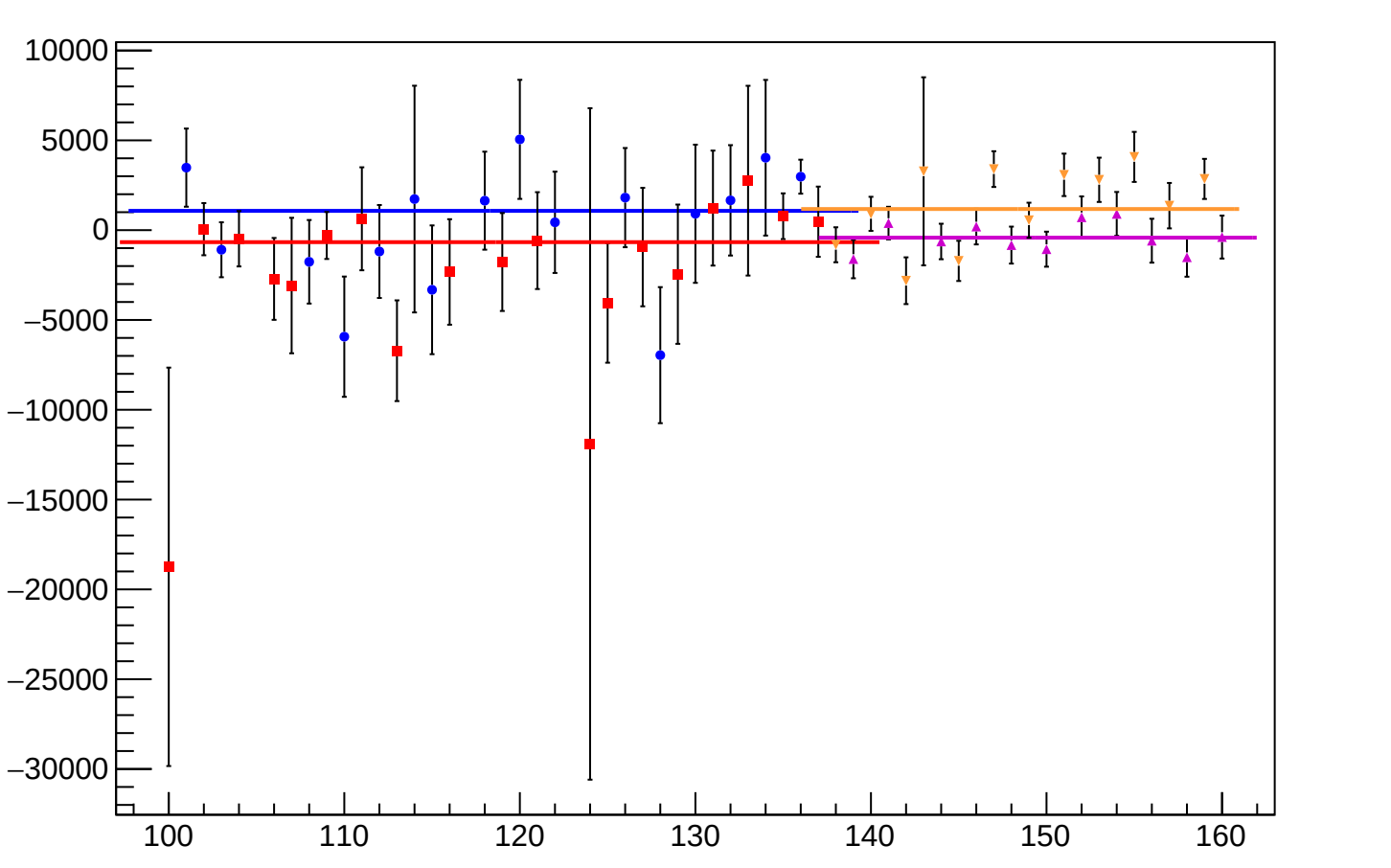
Left: 1746.782+/-0.283 χ^2/NDF: 189167.5/22

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.211+/-0.297 χ^2/NDF:460529.5/26

Out: 1672.890+/-0.290 χ^2/NDF:453793.5/30

All: 1689.682+/-0.208 χ^2/NDF: 921154.5/57



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: -418.894+/-320.238 χ^2/NDF:6.2/10

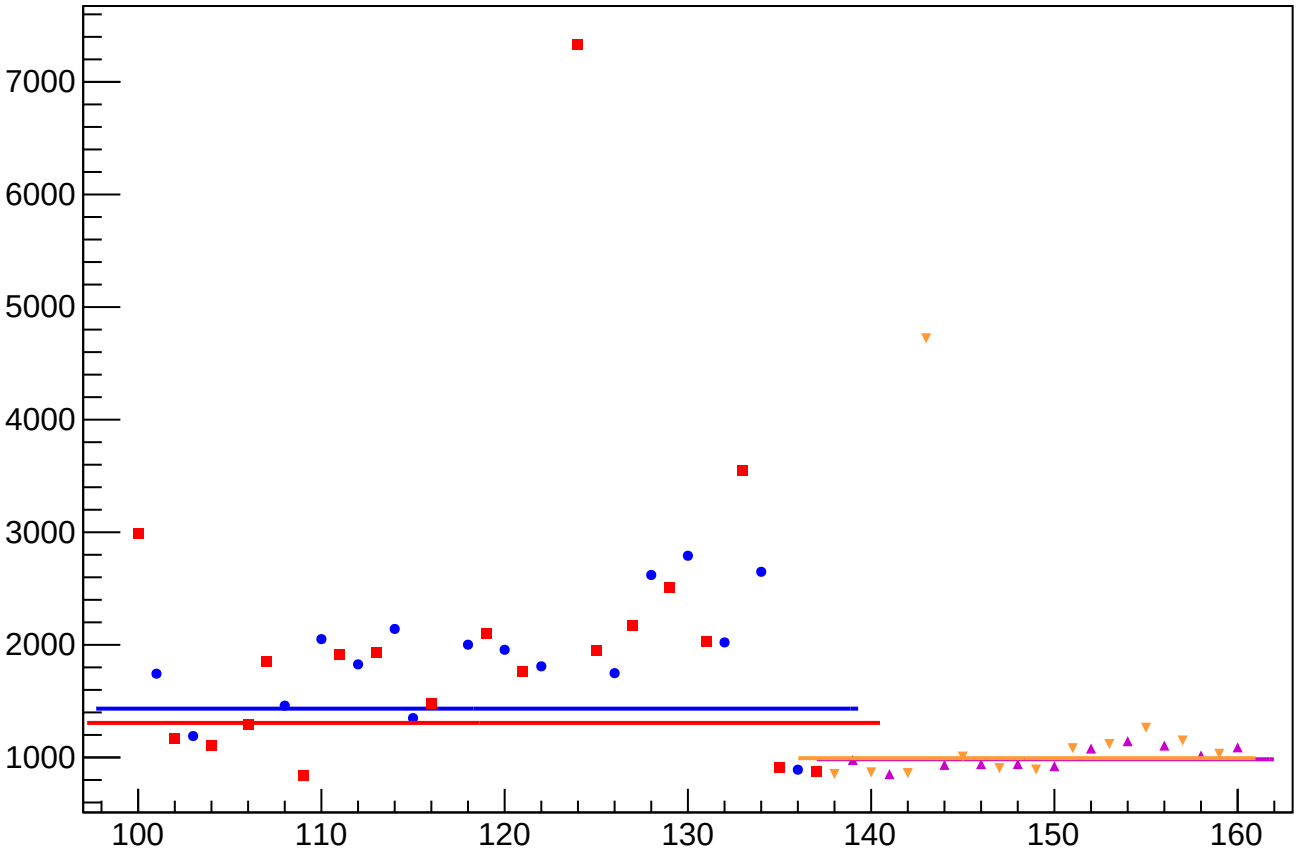
Left: 345.231+/-231.141 χ^2/NDF: 54.9/22

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

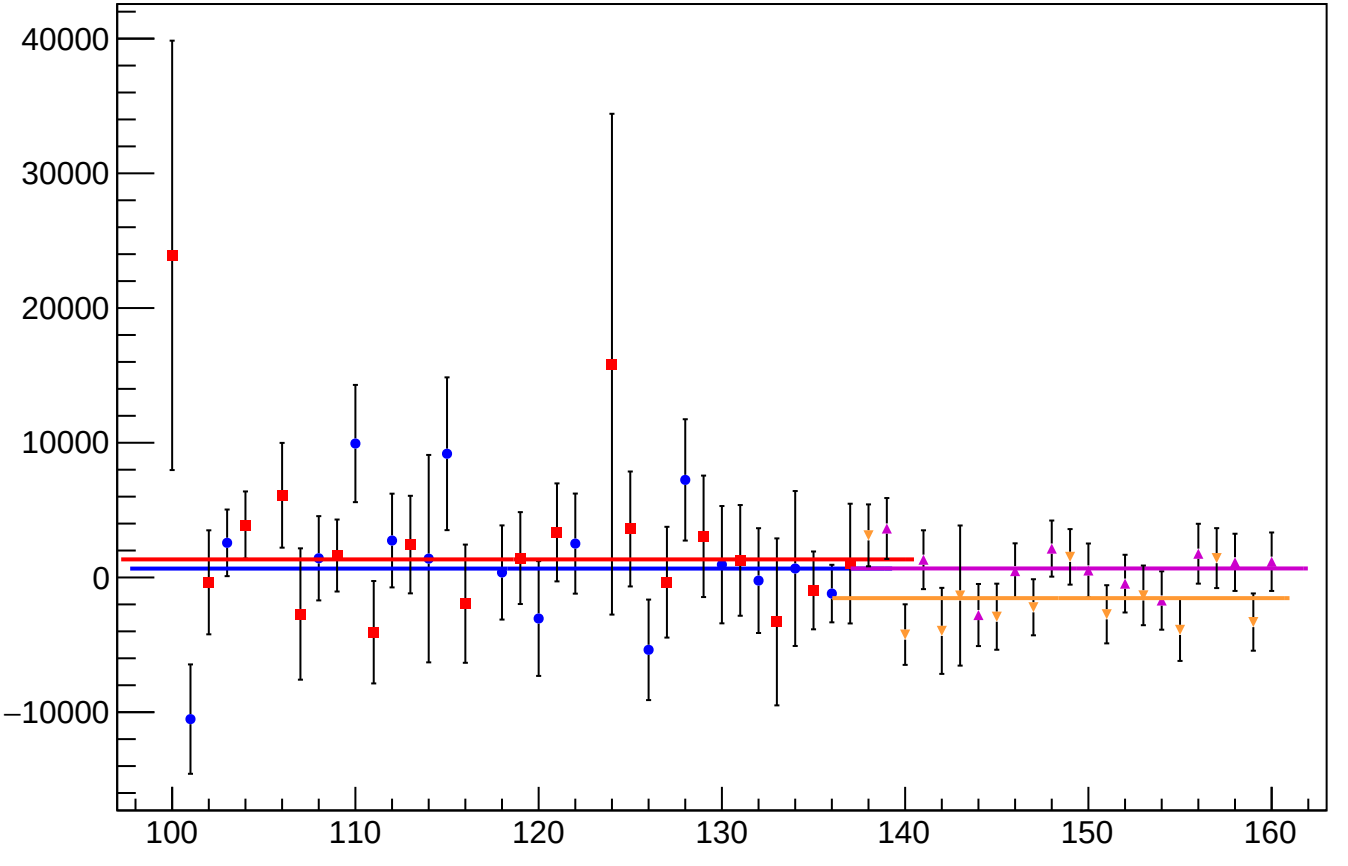
In: -62.360+/-279.381 χ^2/NDF:33.4/26

Out: 642.831+/-281.546 χ^2/NDF:59.2/30

All: 287.514+/-198.313 χ^2/NDF: 95.8/57


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: 983.939+/-0.226 χ²/NDF:147740.2/10
Left: 988.520+/-0.163 χ²/NDF: 1439036.4/22
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1091.331+/-0.198 χ²/NDF:2852677.6/26
Out: 1084.151+/-0.199 χ²/NDF:3983692.8/30
All: 1087.769+/-0.140 χ²/NDF: 6837025.7/57

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: 668.494+/-648.653 χ^2/NDF:6.4/10

Left: -386.518+/-468.230 χ^2/NDF: 24.5/22

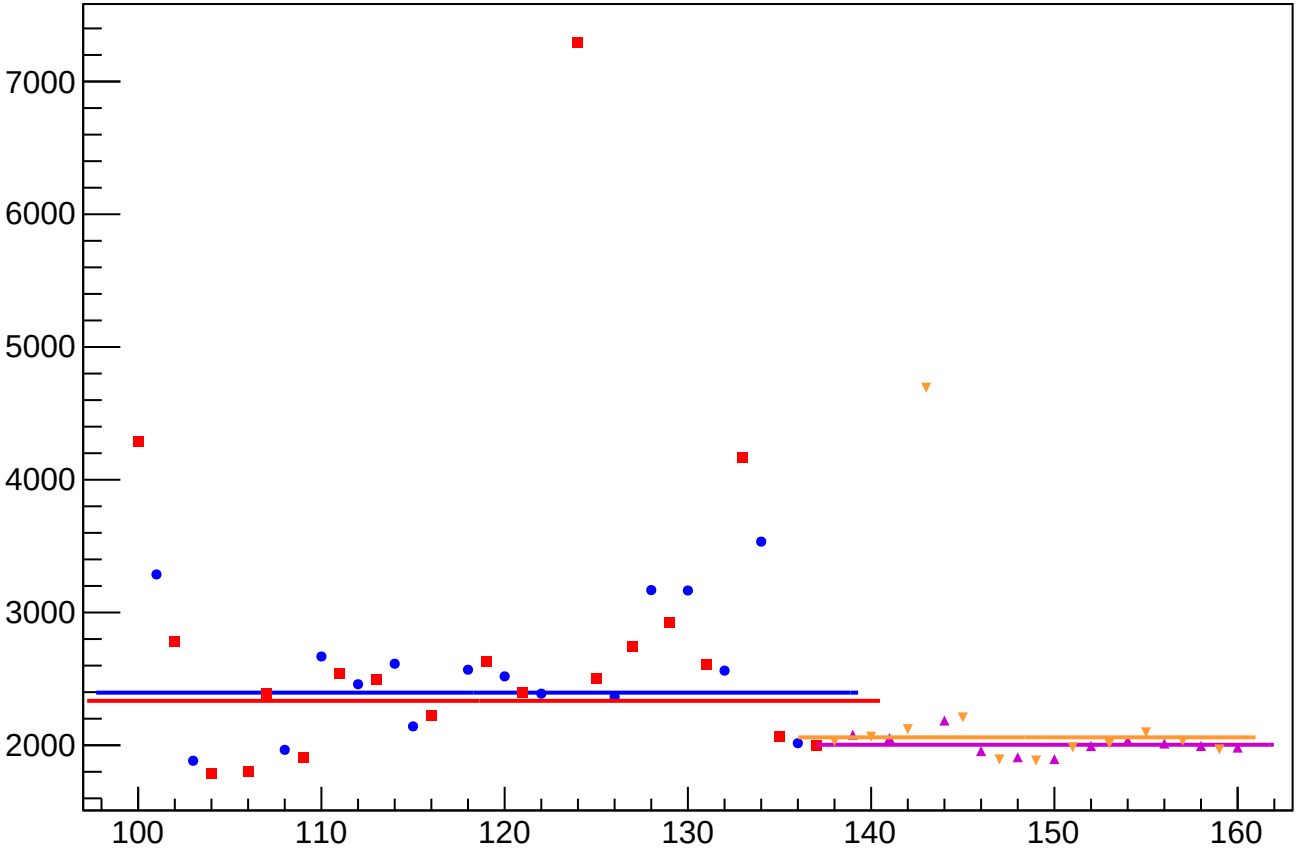
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 665.448+/-528.116 χ^2/NDF:28.4/26

Out: -481.740+/-538.744 χ^2/NDF:30.1/30

All: 103.280+/-377.136 χ^2/NDF: 60.8/57

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: 2003.750+/-0.459 χ^2/NDF:27496.9/10

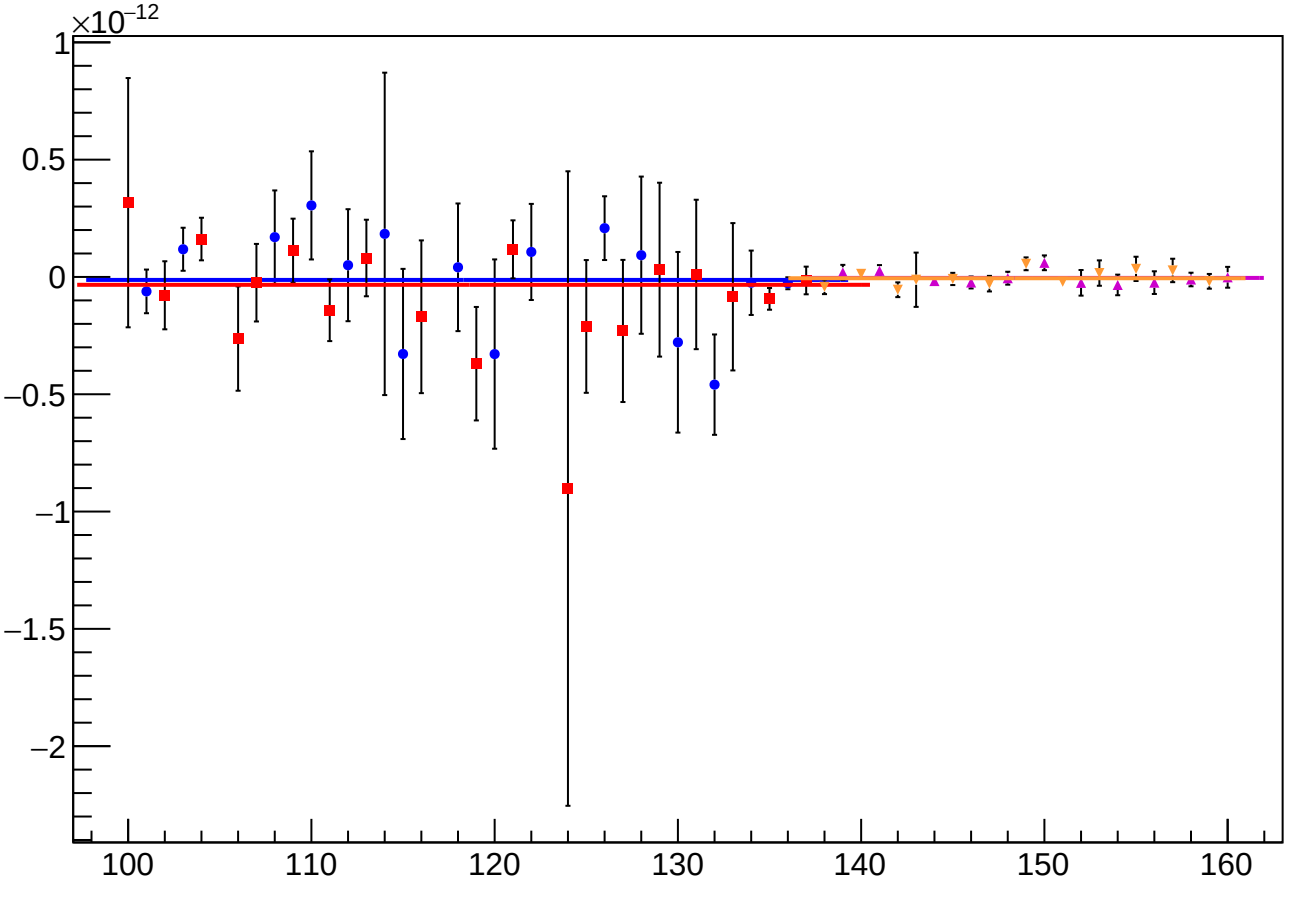
Left: 2030.469+/-0.331 χ^2/NDF: 590874.5/22

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2136.079+/-0.373 χ^2/NDF:782298.6/26

Out: 2160.196+/-0.381 χ^2/NDF:1358822.2/30

All: 2147.898+/-0.267 χ^2/NDF: 2143164.6/57



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:8.6/10

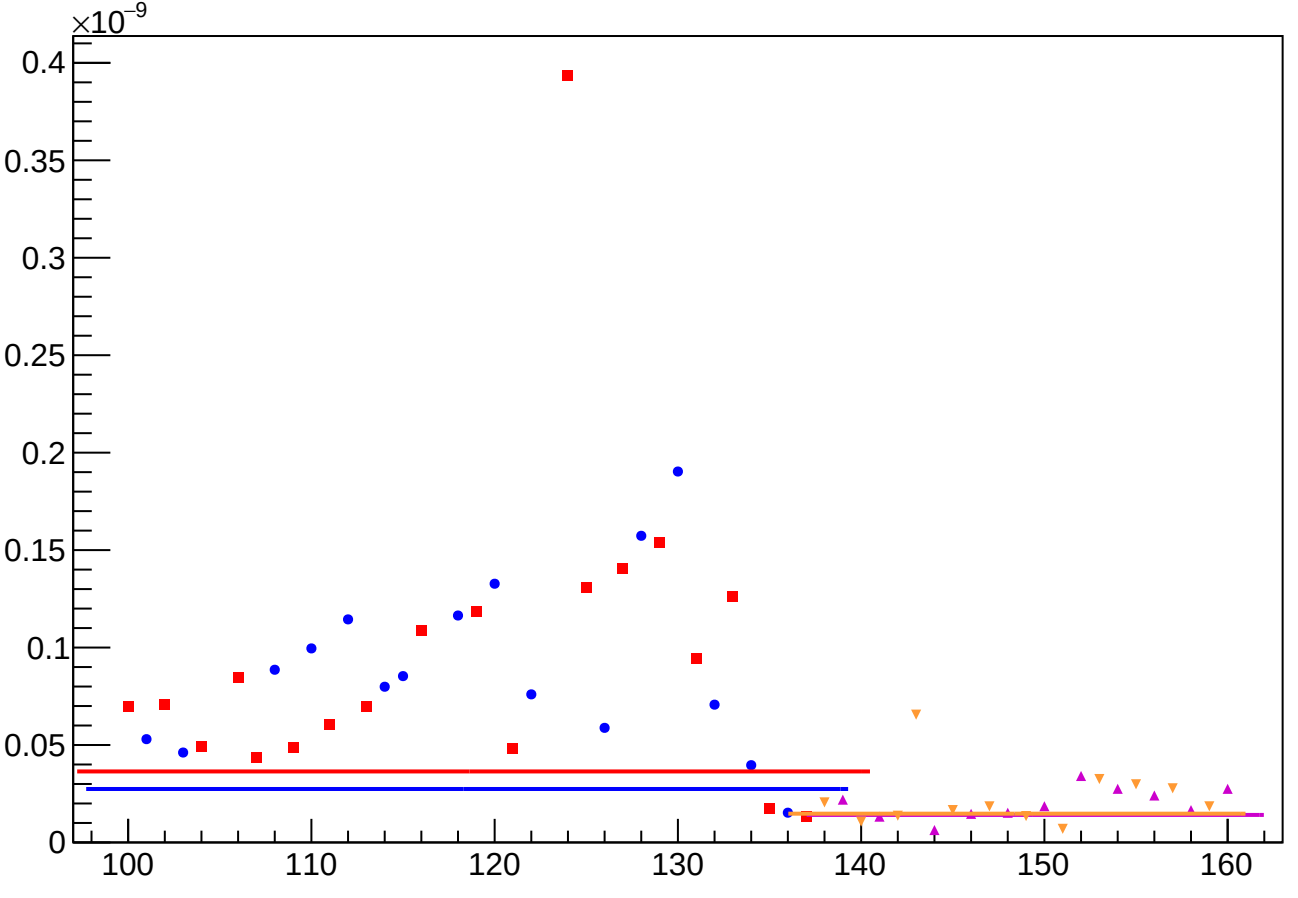
Left: -0.000+/-0.000 χ^2/NDF: 21.0/22

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:23.6/26

Out: -0.000+/-0.000 χ^2/NDF:28.5/30

All: -0.000+/-0.000 χ^2/NDF: 52.2/57



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:1536316.1/10

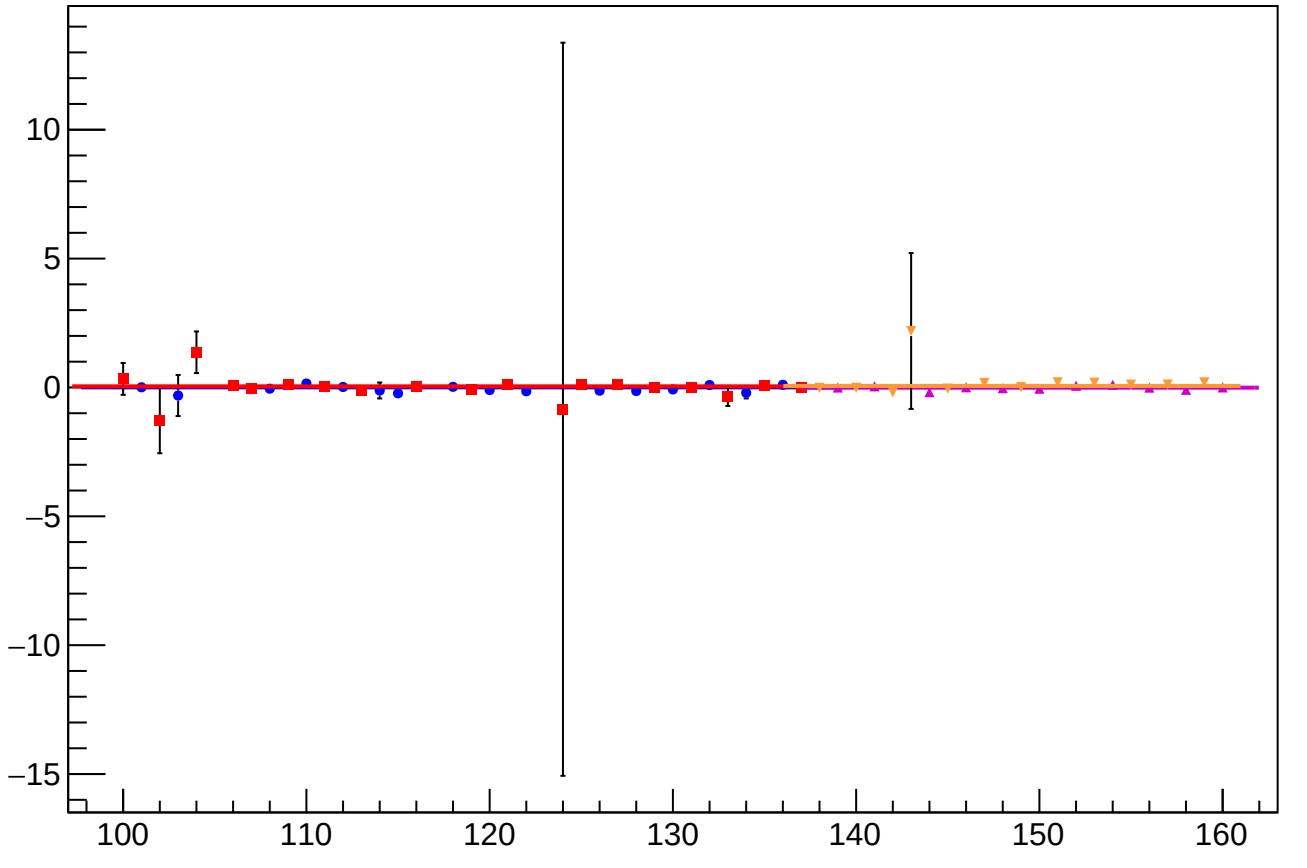
Left: 0.000+/-0.000 χ^2/NDF: 3033917.4/22

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4897239.3/26

Out: 0.000+/-0.000 χ^2/NDF:5031037.6/30

All: 0.000+/-0.000 χ^2/NDF: 9940545.3/57



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: -0.008+/-0.023 χ^2/NDF:6.0/10

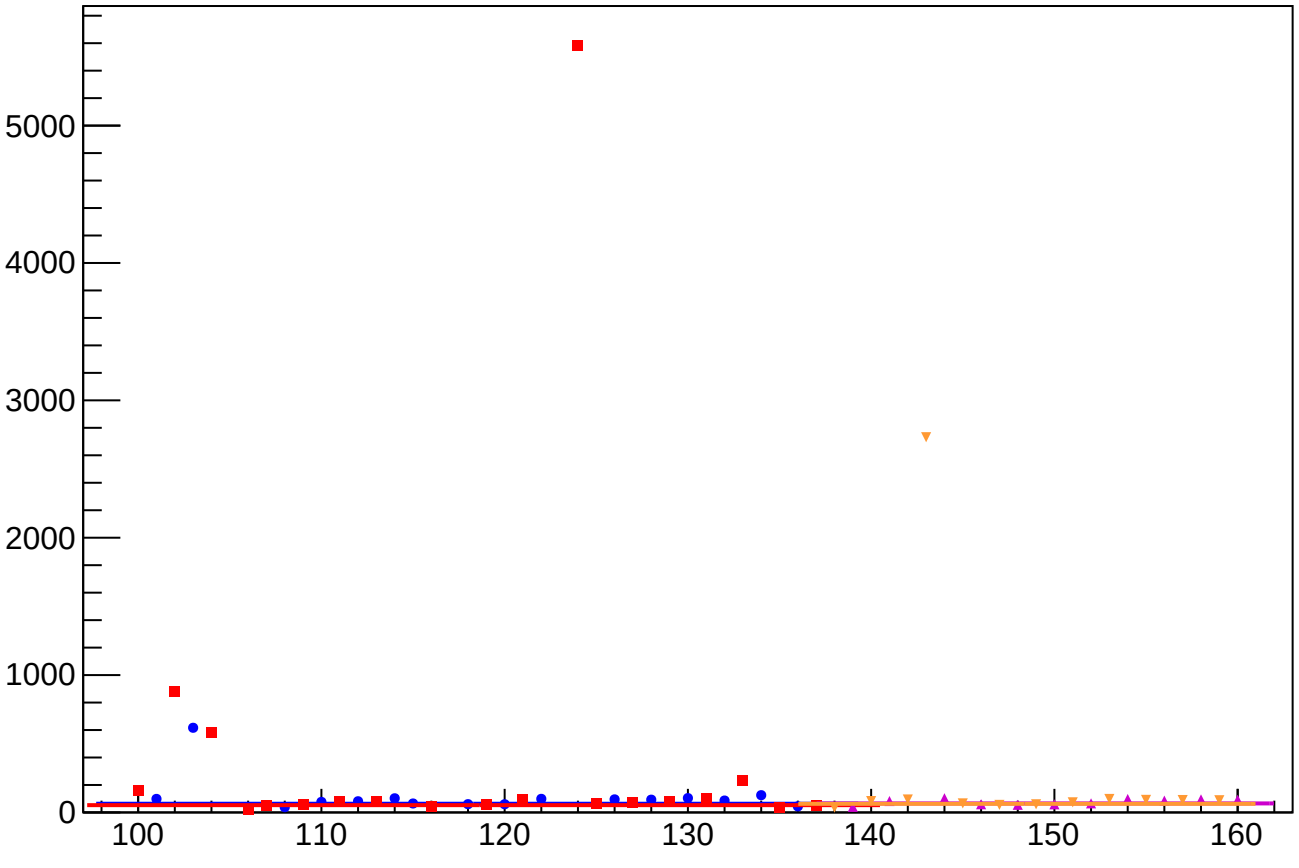
Left: 0.025+/-0.017 χ^2/NDF: 29.2/22

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.4/57



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: 65.814+/-0.016 χ^2/NDF:1469512.6/10

Left: 64.342+/-0.012 χ^2/NDF: 4749067.6/22

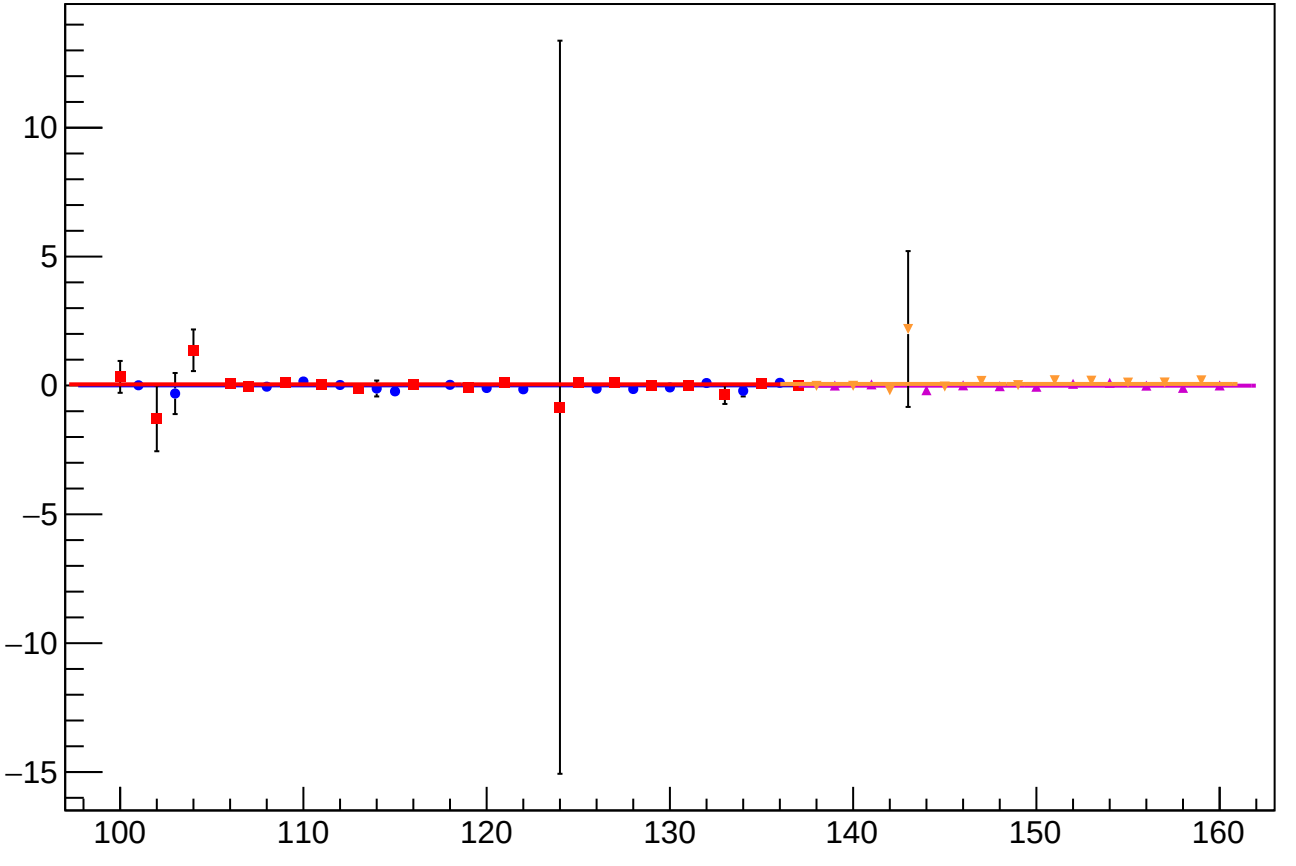
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.816+/-0.013 χ^2/NDF:3923449.1/26

Out: 58.294+/-0.012 χ^2/NDF:7368223.4/30

All: 61.438+/-0.009 χ^2/NDF: 11432460.1/57

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: -0.008+/-0.023 χ^2/NDF:6.0/10

Left: 0.025+/-0.017 χ^2/NDF: 29.2/22

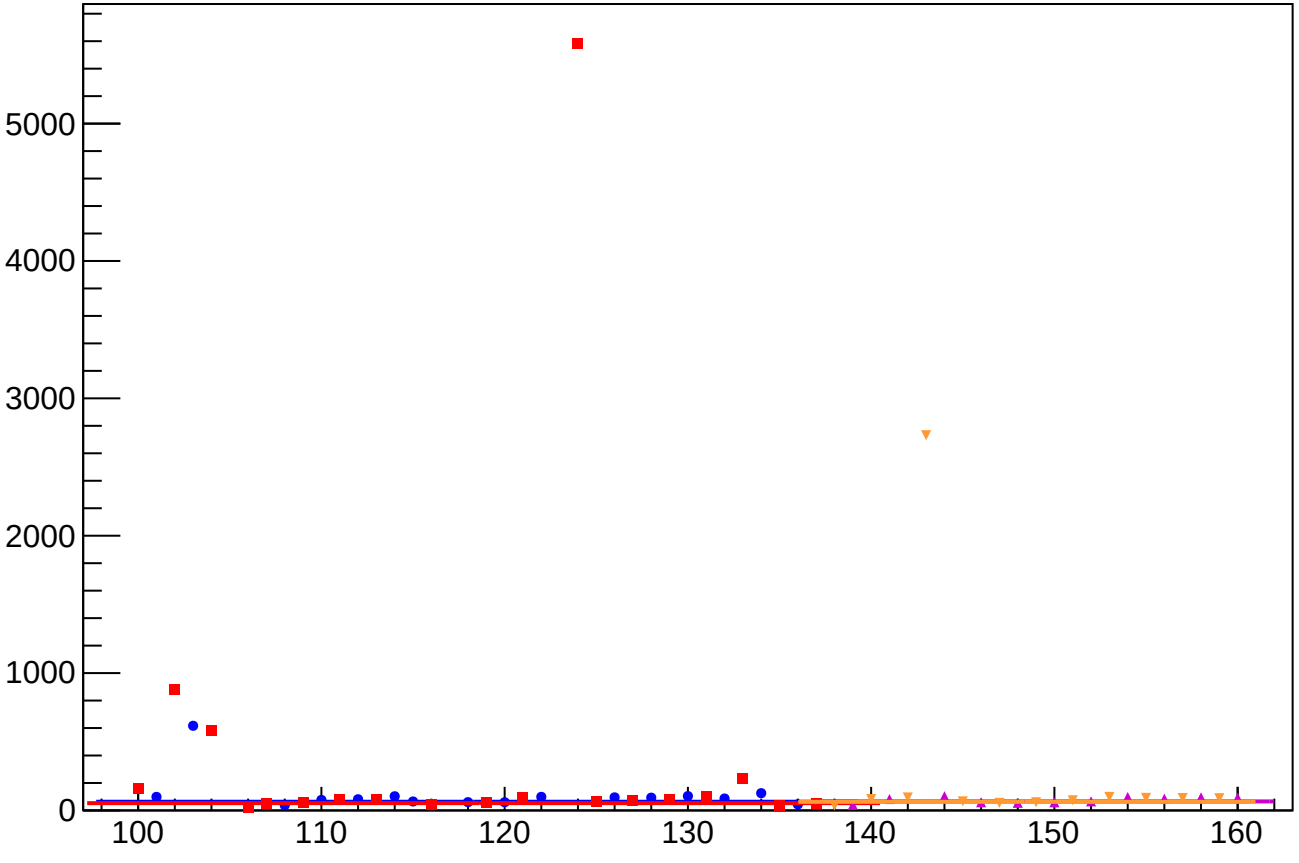
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.4/57

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: 65.814+/-0.016 χ^2/NDF:1469512.6/10

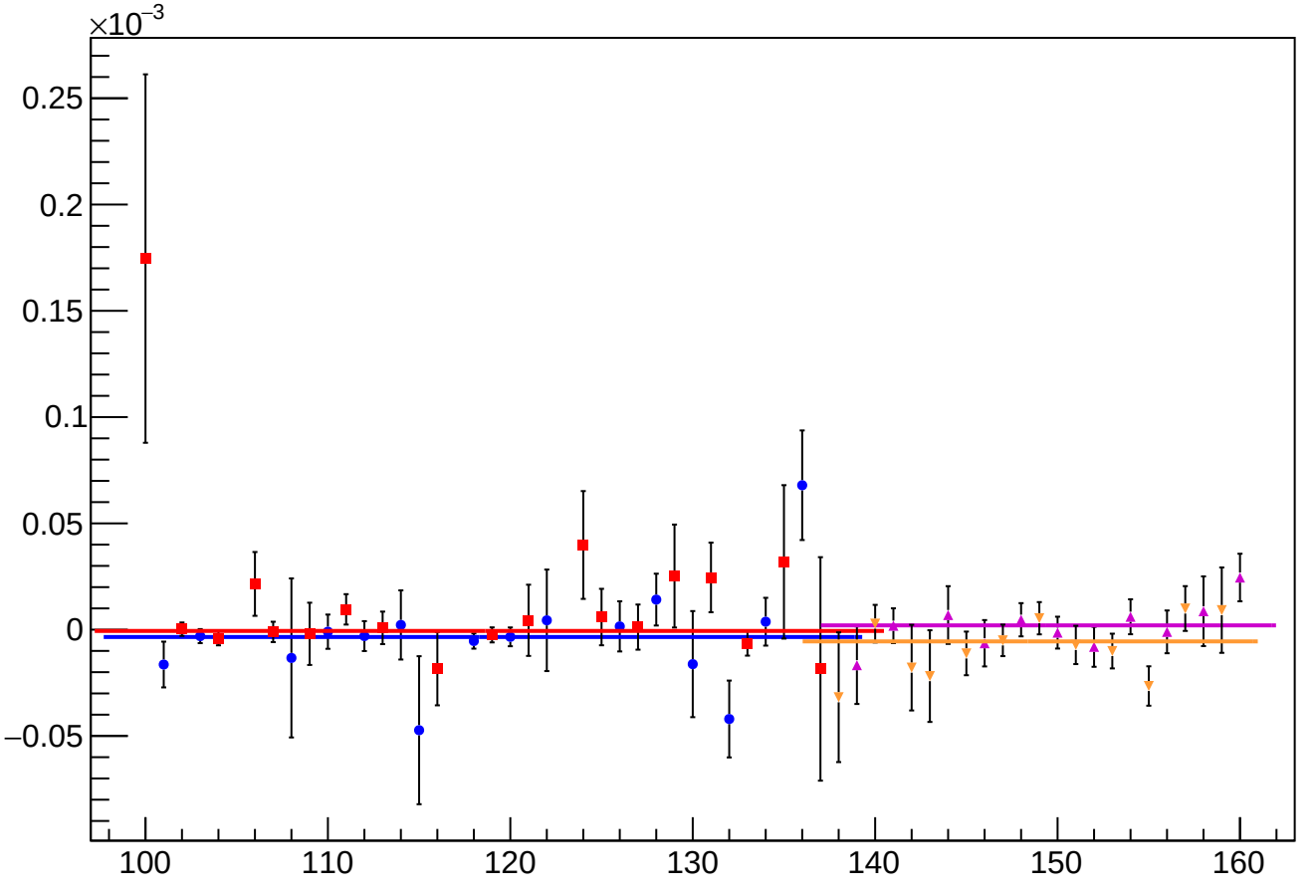
Left: 64.342+/-0.012 χ^2/NDF: 4749067.6/22

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.816+/-0.013 χ^2/NDF:3923449.1/26

Out: 58.294+/-0.012 χ^2/NDF:7368223.4/30

All: 61.438+/-0.009 χ^2/NDF: 11432460.1/57



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:7.8/10

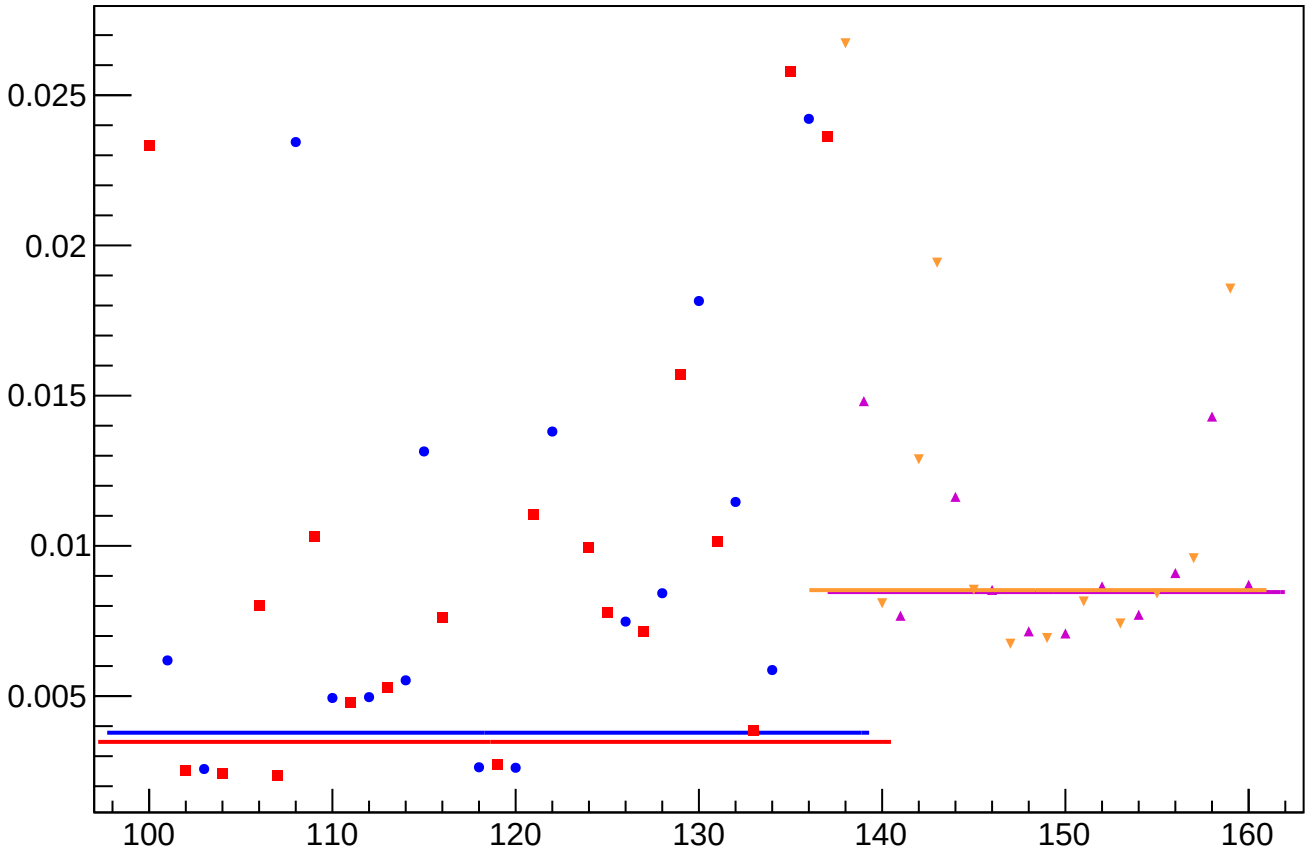
Left: -0.000+/-0.000 χ^2/NDF: 24.1/22

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:29.1/26

Out: -0.000+/-0.000 χ^2/NDF:34.4/30

All: -0.000+/-0.000 χ^2/NDF: 63.6/57



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:773929.5/10

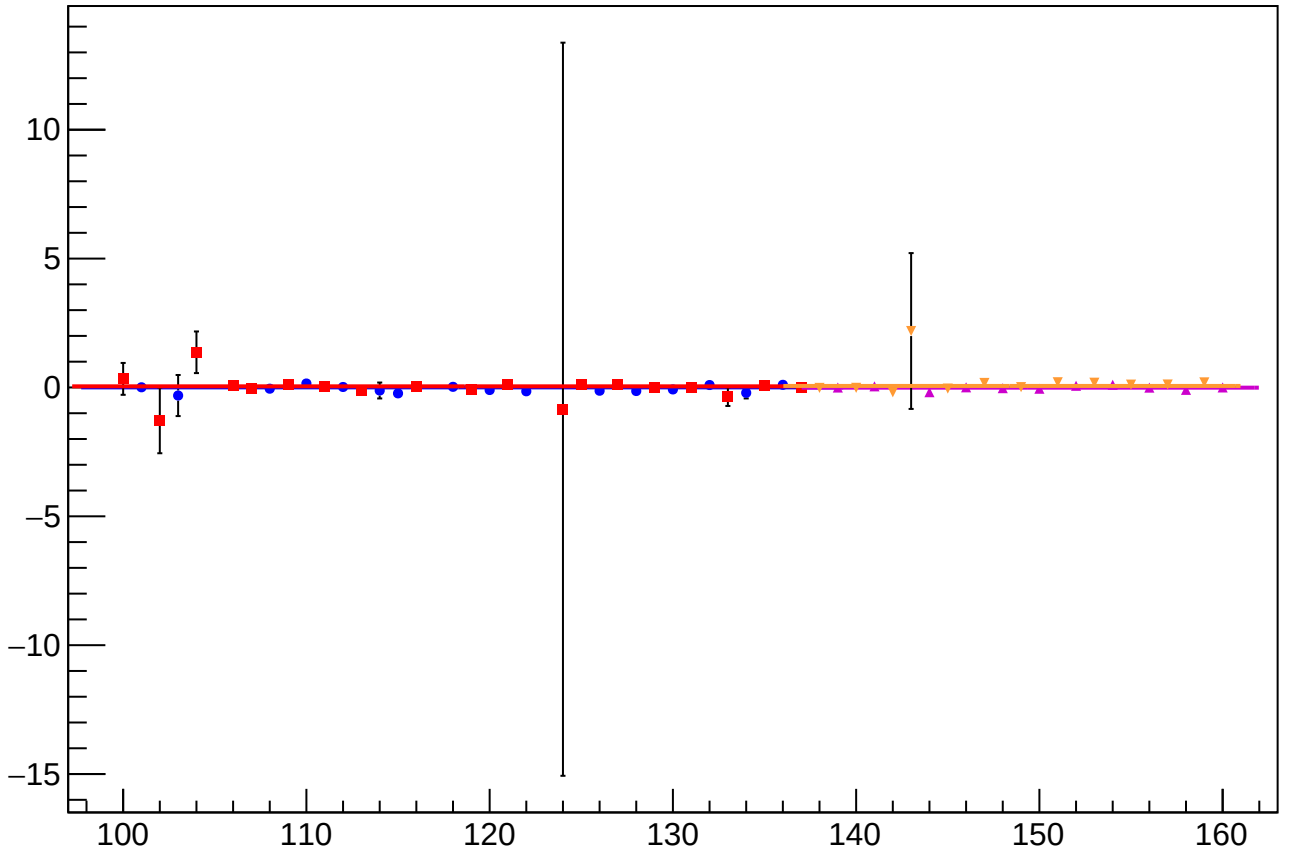
Left: 0.008+/-0.000 χ^2/NDF: 2859318.1/22

Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9106121.6/26

Out: 0.005+/-0.000 χ^2/NDF:11151083.1/30

All: 0.005+/-0.000 χ^2/NDF: 20379403.2/57



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: -0.008+/-0.023 χ^2/NDF:6.0/10

Left: 0.025+/-0.017 χ^2/NDF: 29.2/22

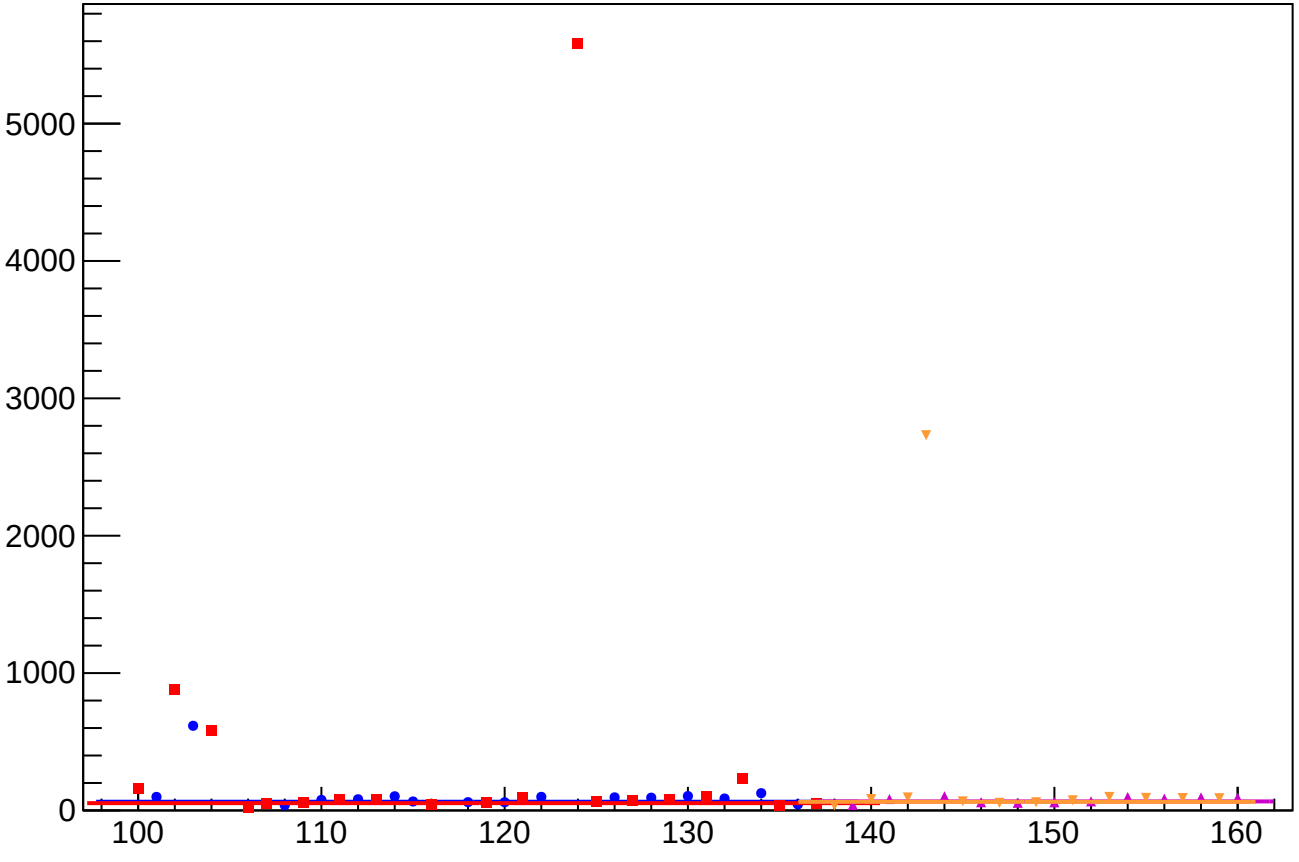
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.4/57

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.843+/-0.017 χ^2/NDF:3263569.2/11

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

Left: 64.343+/-0.012 χ^2/NDF: 4748862.0/22

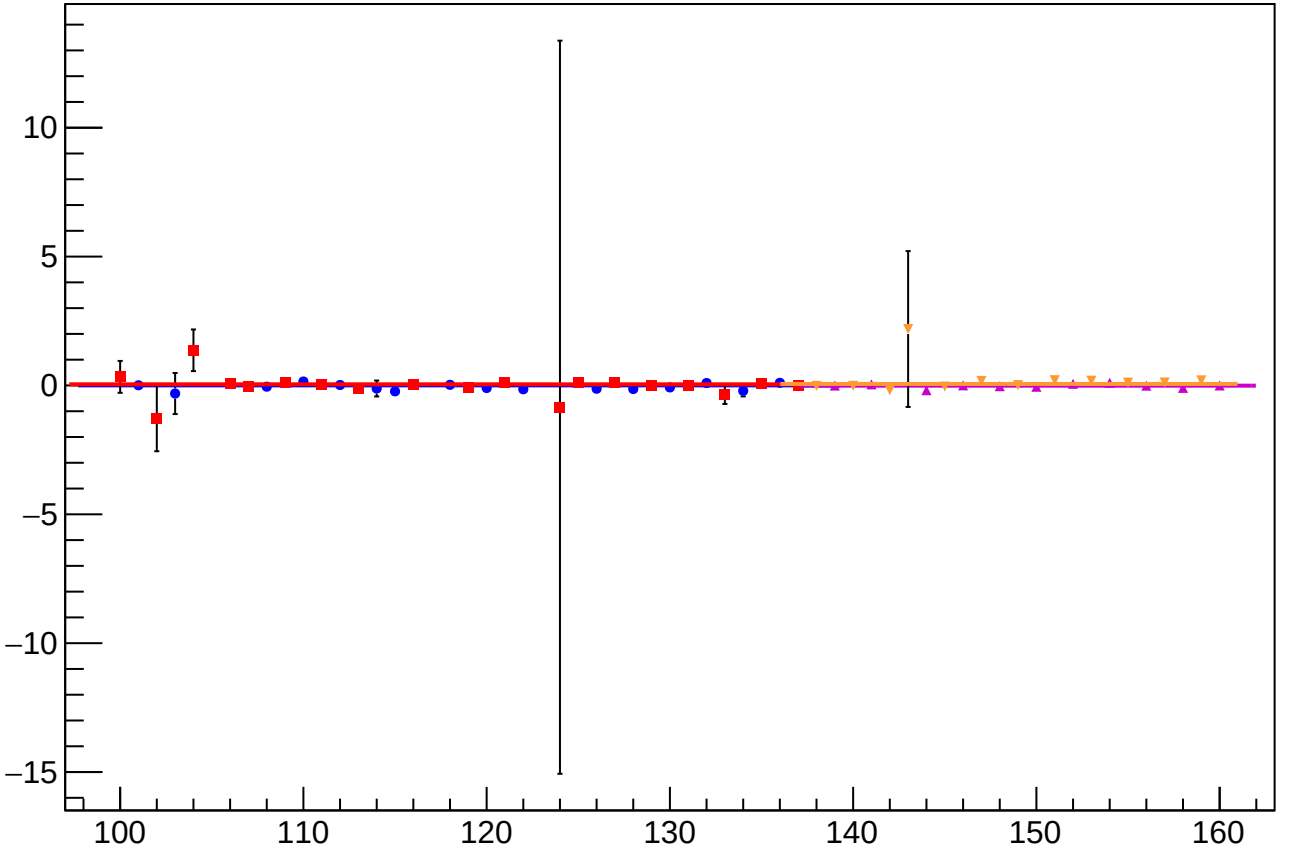
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.822+/-0.013 χ^2/NDF:3922119.9/26

Out: 58.291+/-0.012 χ^2/NDF:7369020.6/30

All: 61.438+/-0.009 χ^2/NDF: 11432329.9/57

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: -0.008+/-0.023 χ^2/NDF:6.0/10

Left: 0.025+/-0.017 χ^2/NDF: 29.2/22

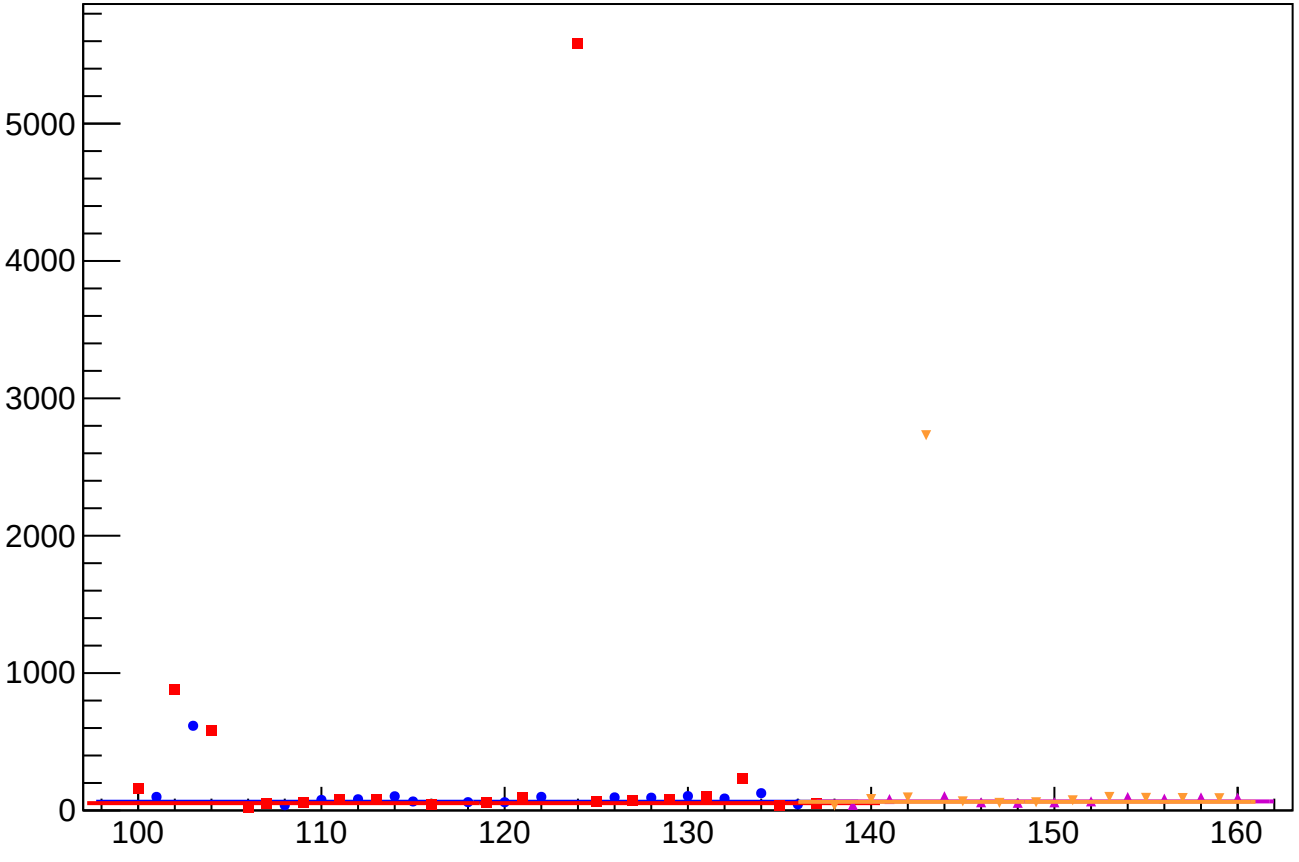
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.052+/-0.017 χ^2/NDF:31.9/30

All: 0.025+/-0.012 χ^2/NDF: 56.4/57

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: 65.817+/-0.016 χ^2/NDF:1469122.0/10

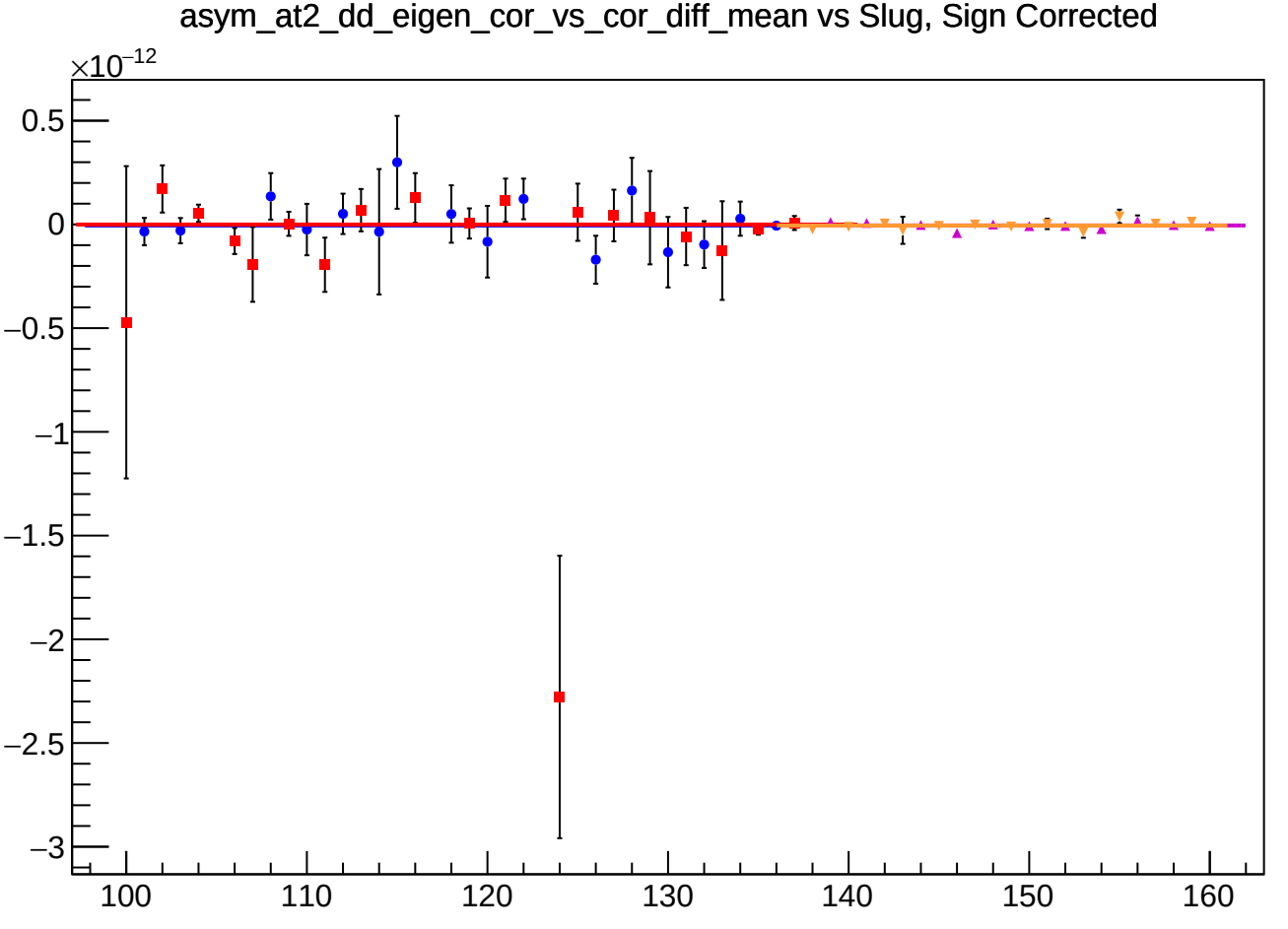
Left: 64.343+/-0.012 χ^2/NDF: 4748862.0/22

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.822+/-0.013 χ^2/NDF:3922119.9/26

Out: 58.291+/-0.012 χ^2/NDF:7369020.6/30

All: 61.438+/-0.009 χ^2/NDF: 11432329.9/57



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:8.4/10

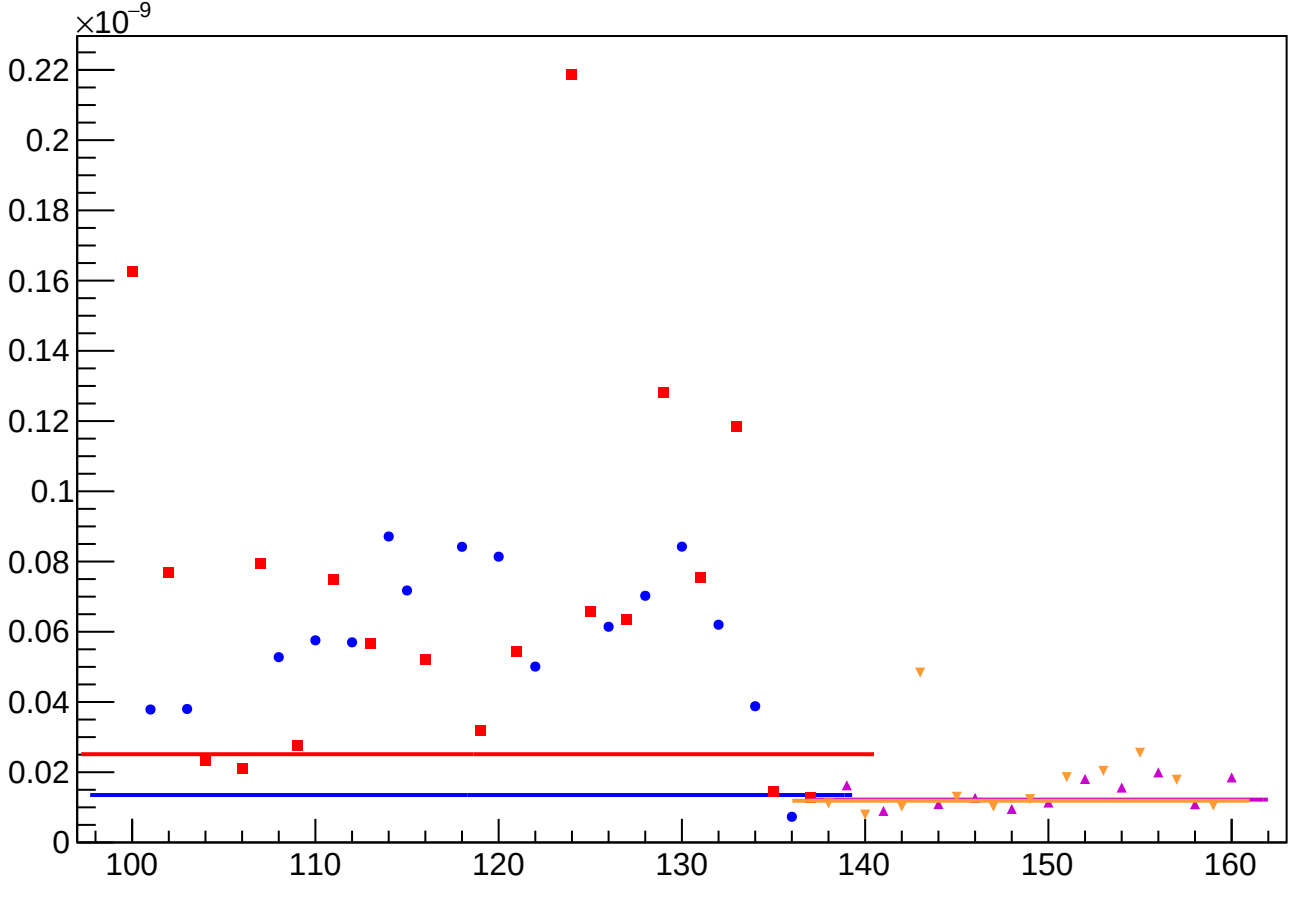
Left: -0.000+/-0.000 χ^2/NDF: 15.7/22

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.2/26

Out: -0.000+/-0.000 χ^2/NDF:32.5/30

All: -0.000+/-0.000 χ^2/NDF: 51.7/57



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:838029.2/10

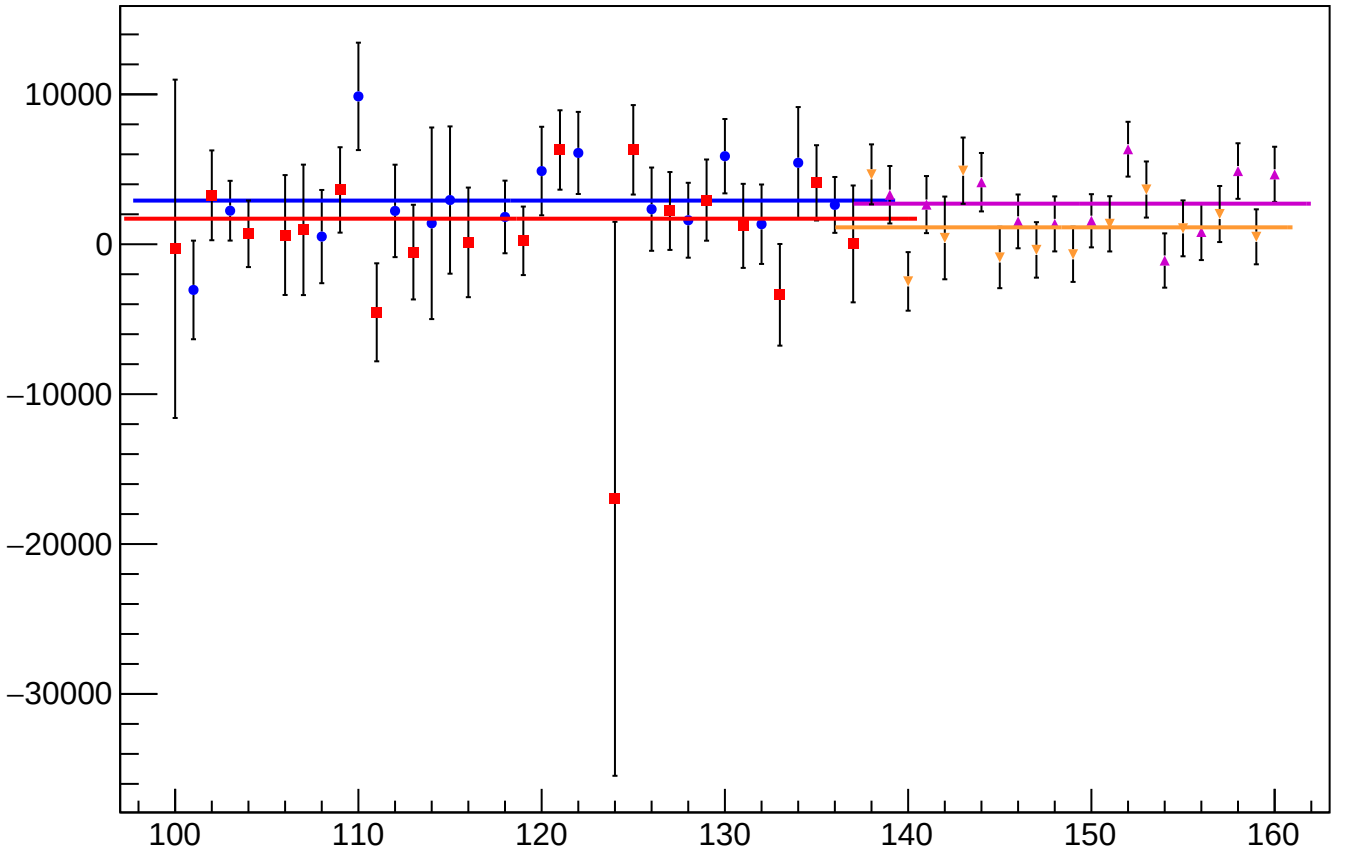
Left: 0.000+/-0.000 χ^2/NDF: 2650695.6/22

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5857771.2/26

Out: 0.000+/-0.000 χ^2/NDF:6779938.5/30

All: 0.000+/-0.000 χ^2/NDF: 12665154.4/57



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1128.677+/-565.781 χ^2/NDF:14.3/11

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2707.423+/-558.064 χ^2/NDF:13.9/10

Left: 1928.891+/-397.311 χ^2/NDF: 32.1/22

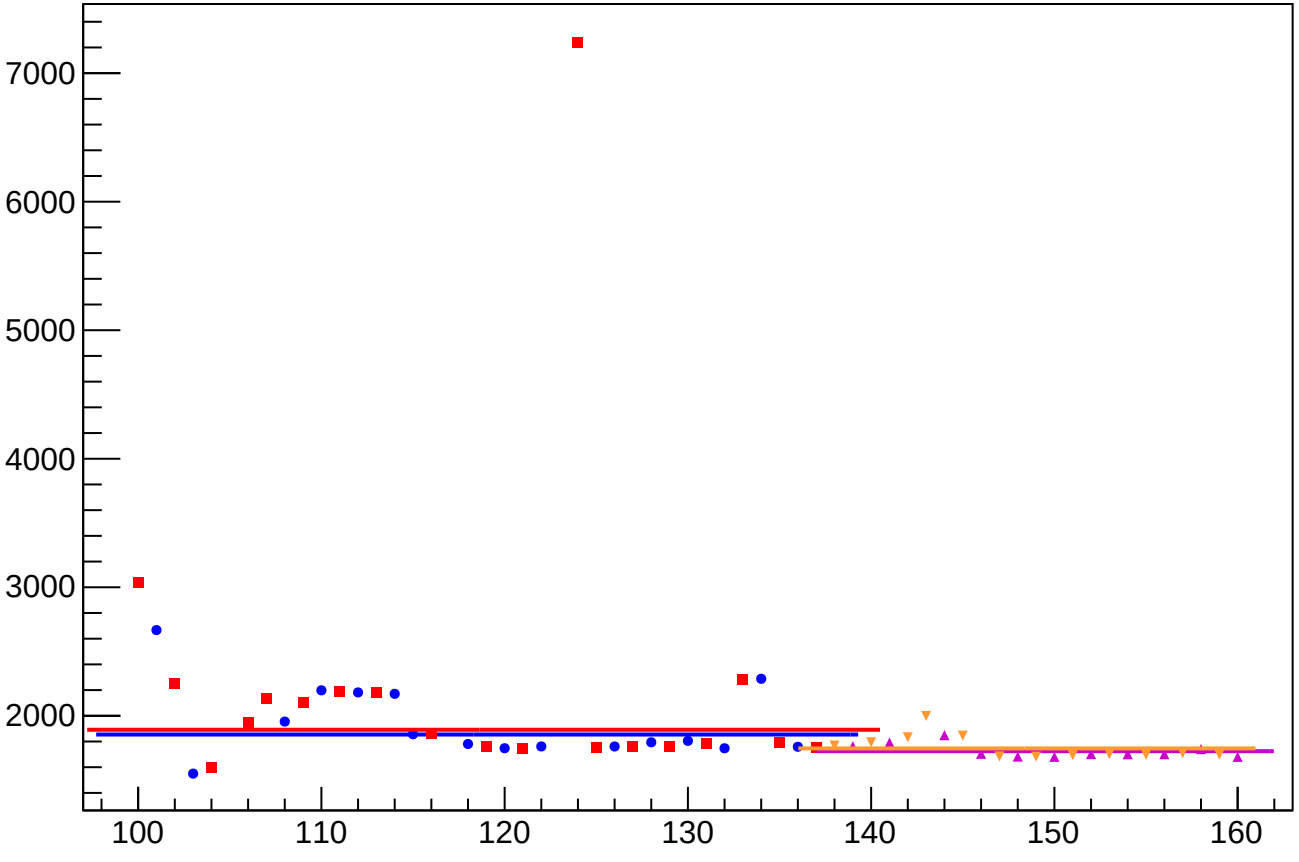
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2787.998+/-435.159 χ^2/NDF:26.4/26

Out: 1353.694+/-441.708 χ^2/NDF:30.5/30

All: 2081.559+/-309.993 χ^2/NDF: 62.2/57

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: 1724.702+/-0.395 χ^2/NDF:16260.2/10

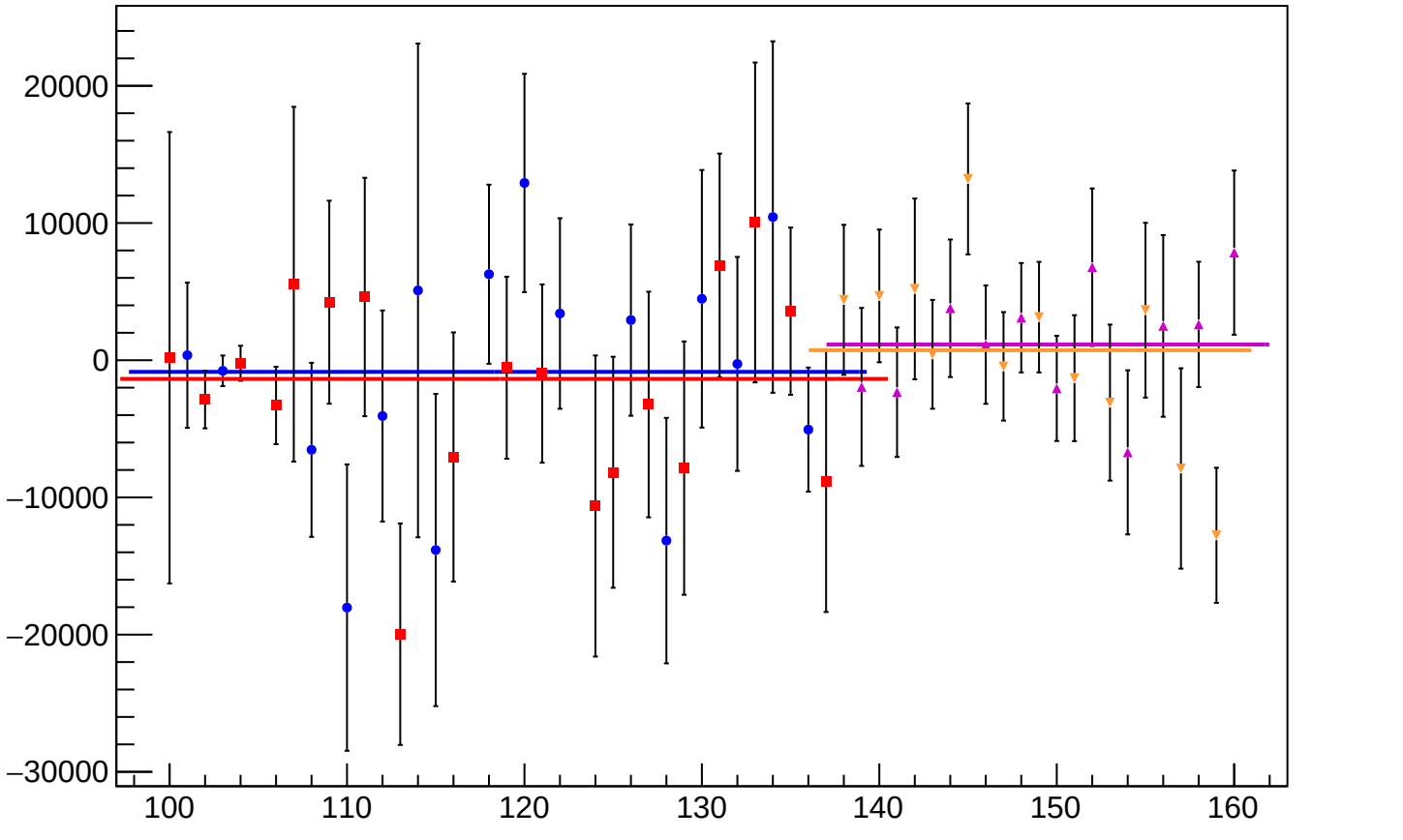
Left: 1735.321+/-0.281 χ^2/NDF: 62869.2/22

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1775.505+/-0.308 χ^2/NDF:321869.0/26

Out: 1803.110+/-0.312 χ^2/NDF:460798.7/30

All: 1789.114+/-0.219 χ^2/NDF: 786635.3/57



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: 1146.139+/-1480.062 χ^2/NDF:6.1/10

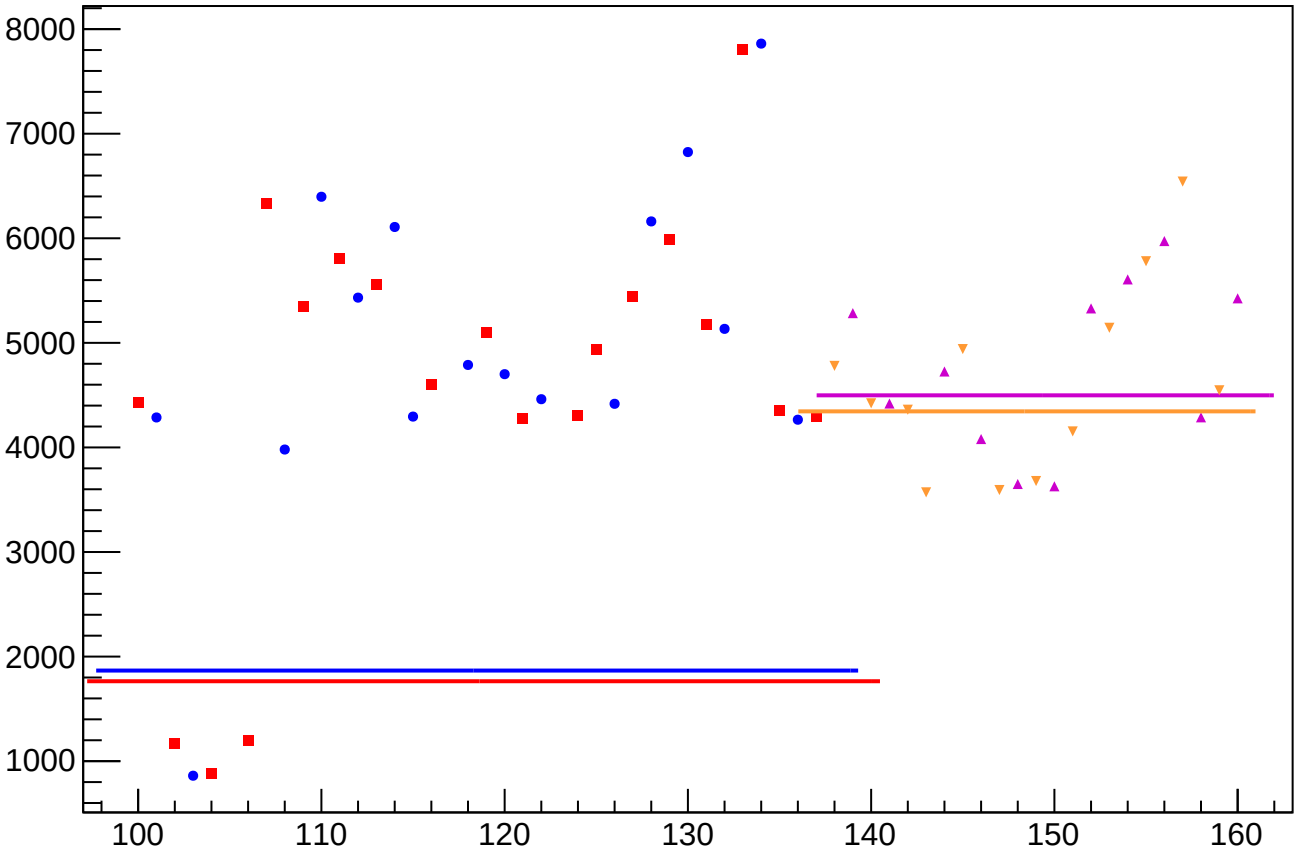
Left: 932.874+/-1030.791 χ^2/NDF: 23.1/22

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -254.939+/-807.135 χ^2/NDF:21.3/26

Out: -756.377+/-772.284 χ^2/NDF:32.5/30

All: -516.717+/-558.001 χ^2/NDF: 53.9/57



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: 4498.236+/-1.047 χ^2/NDF:516304.3/10

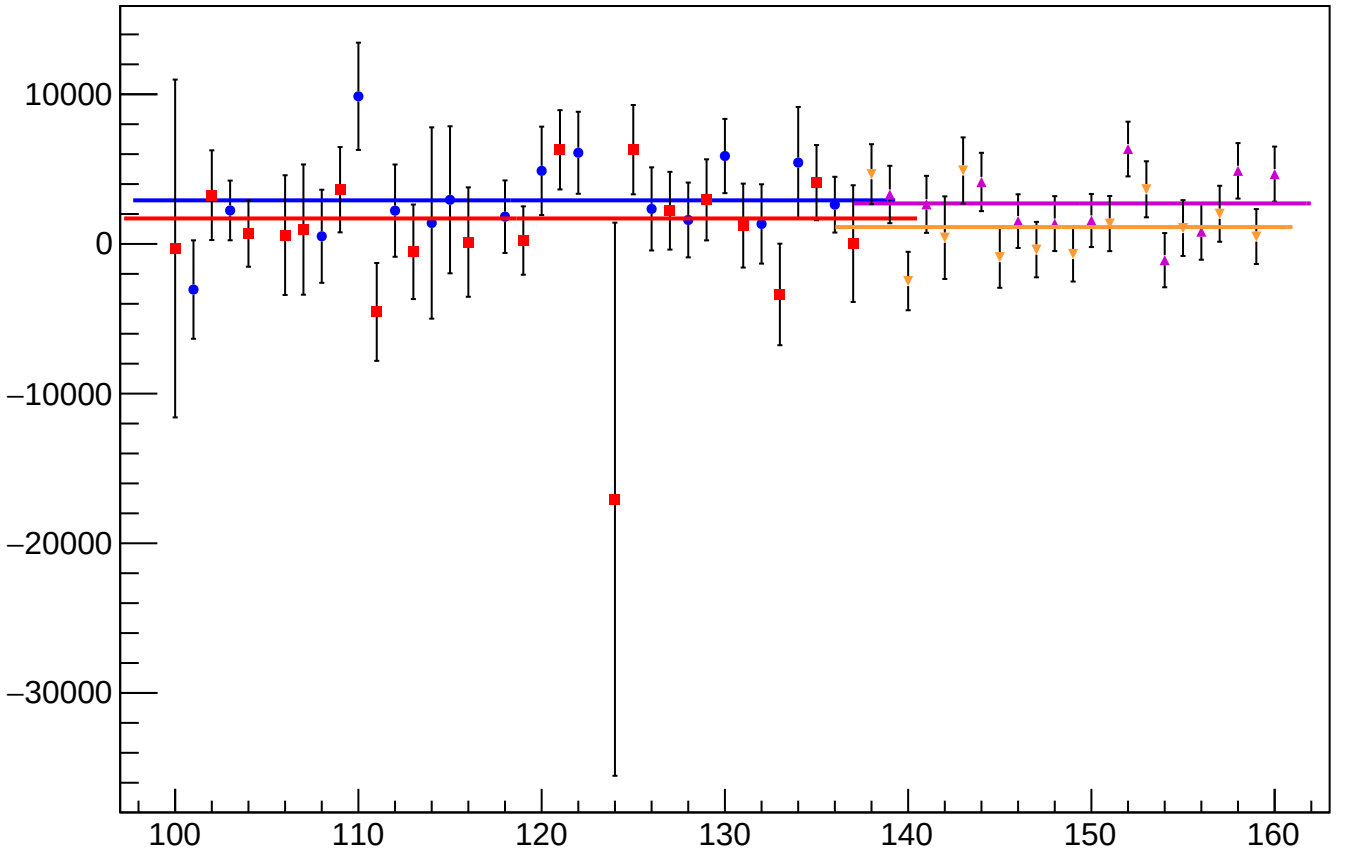
Left: 4419.286+/-0.729 χ^2/NDF: 1096412.0/22

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2649.096+/-0.571 χ^2/NDF:11809166.0/26

Out: 2510.233+/-0.546 χ^2/NDF:11593188.8/30

All: 2576.602+/-0.395 χ^2/NDF: 23433259.5/5



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: 2707.540+/-558.064 χ^2/NDF:13.9/10

Left: 1928.858+/-397.311 χ^2/NDF: 32.1/22

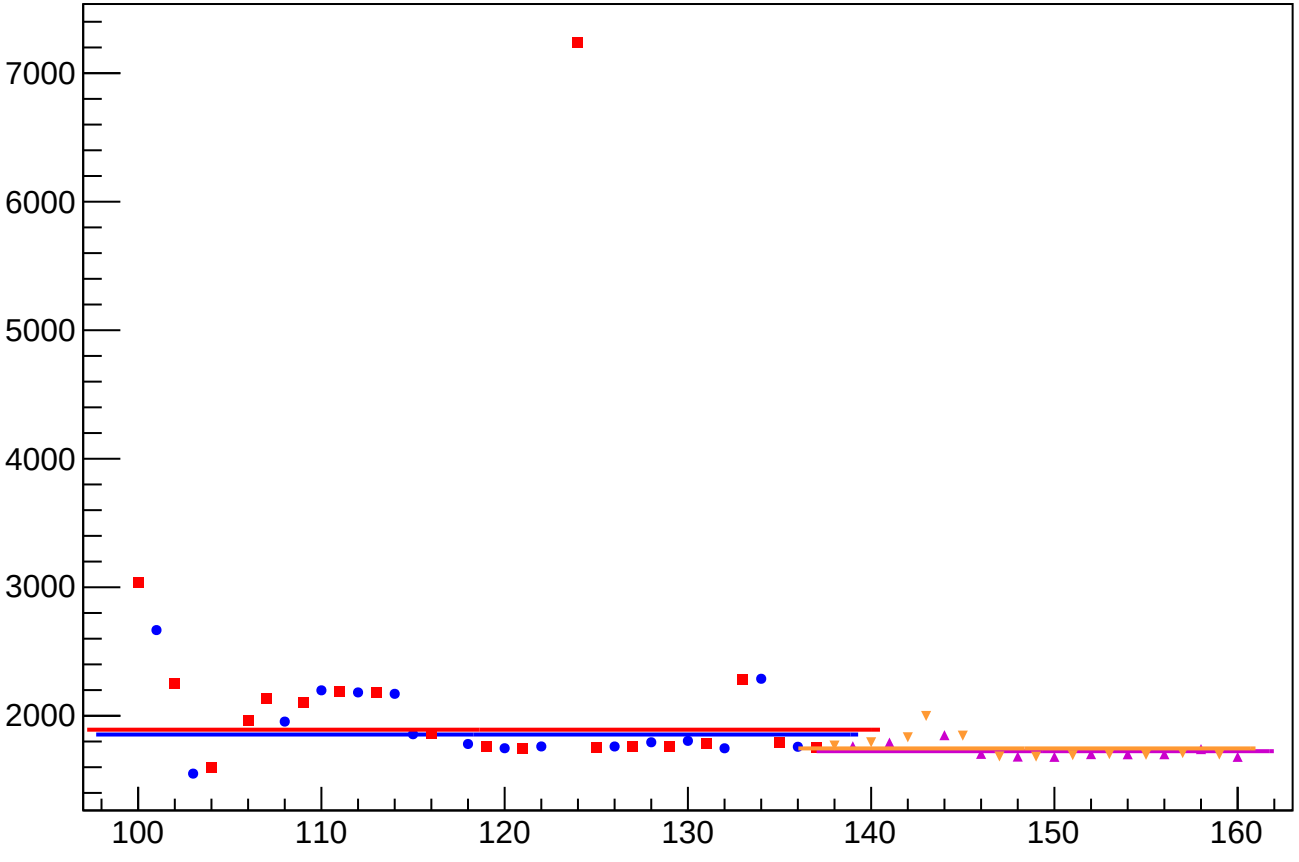
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.109+/-435.159 χ^2/NDF:26.4/26

Out: 1353.039+/-441.708 χ^2/NDF:30.5/30

All: 2081.293+/-309.993 χ^2/NDF: 62.2/57

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: 1724.702+/-0.395 χ^2/NDF:16260.2/10

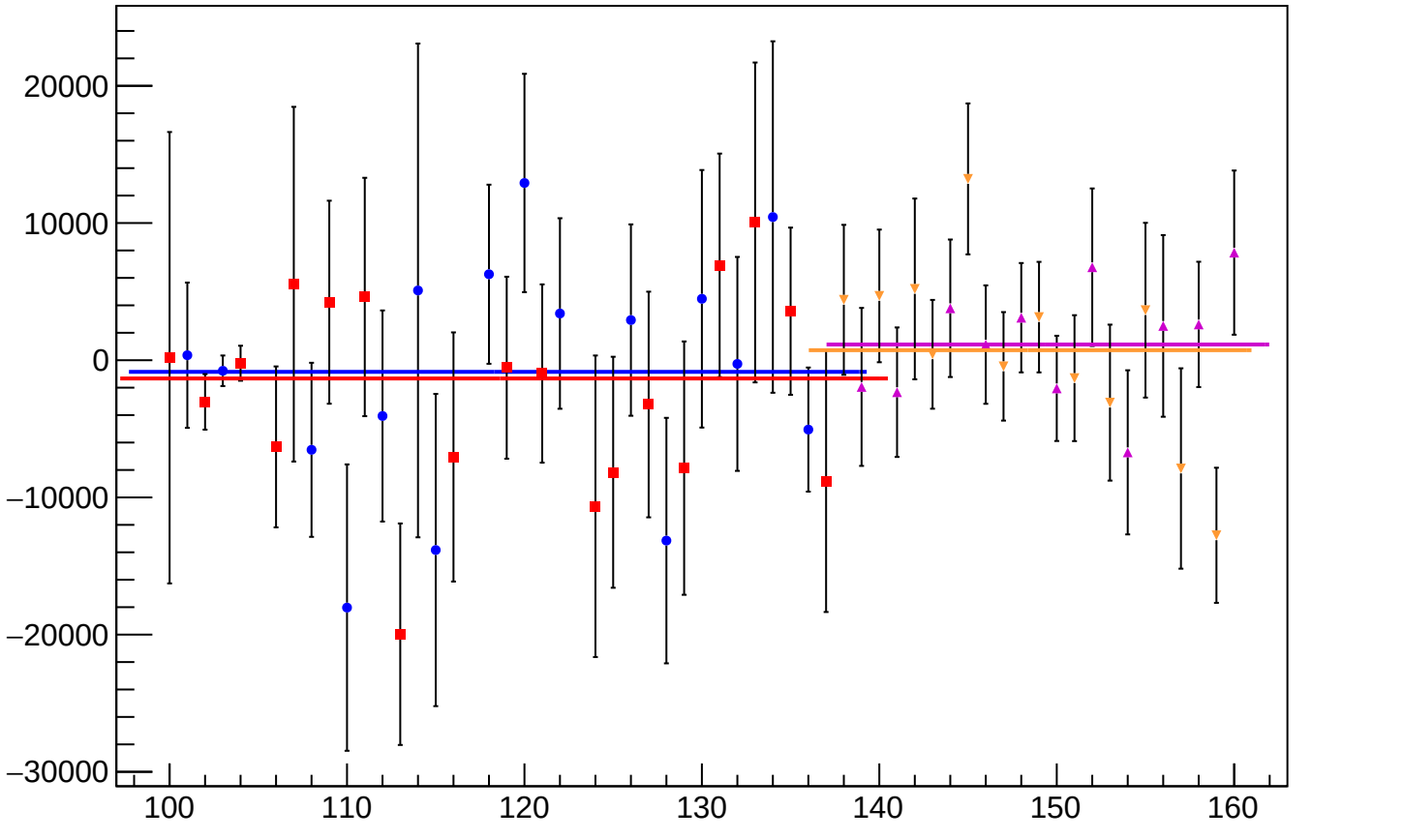
Left: 1735.321+/-0.281 χ^2/NDF: 62869.2/22

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1775.505+/-0.308 χ^2/NDF:321868.9/26

Out: 1803.274+/-0.312 χ^2/NDF:461352.2/30

All: 1789.193+/-0.219 χ^2/NDF: 787235.5/57



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: 1146.262+/-1480.062 χ^2/NDF:6.1/10

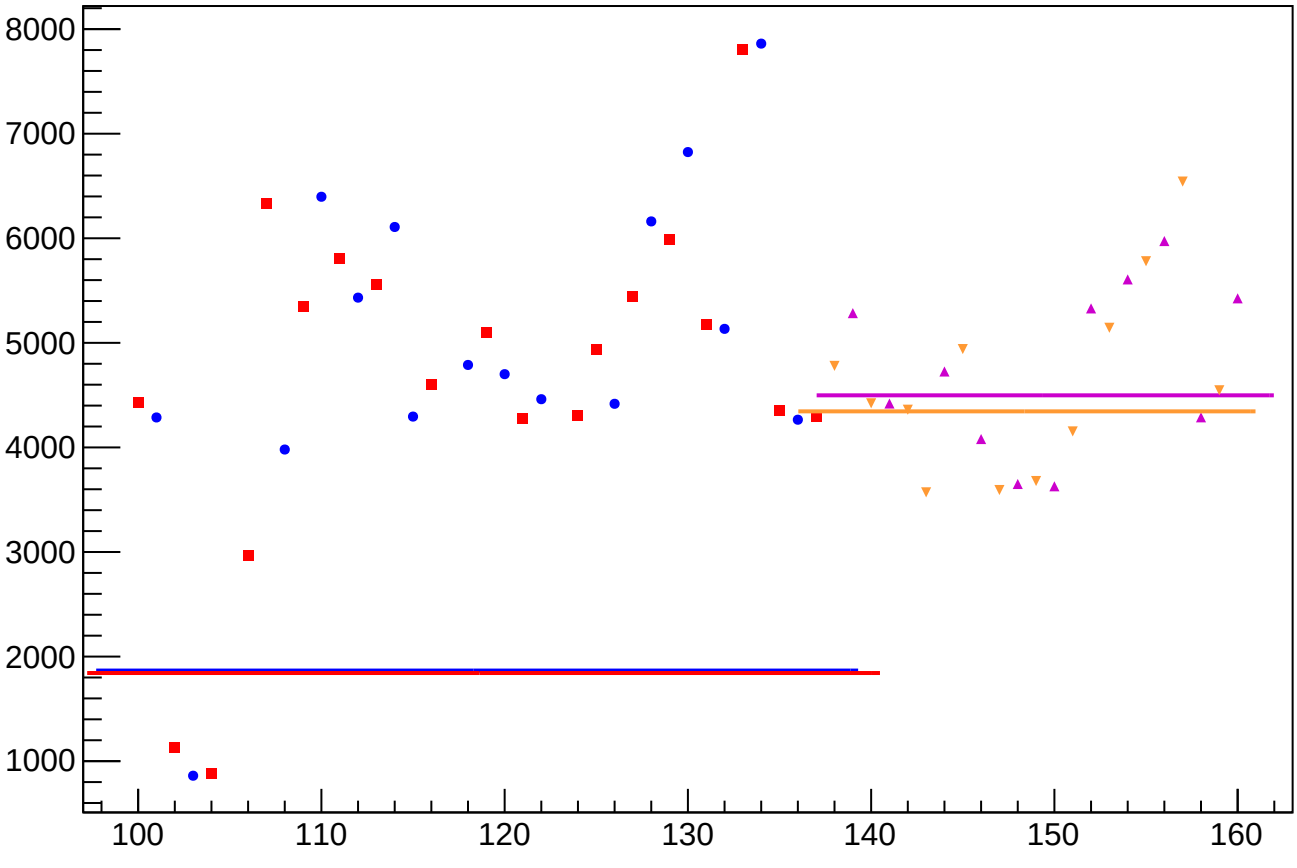
Left: 932.886+/-1030.790 χ^2/NDF: 23.1/22

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -254.616+/-807.103 χ^2/NDF:21.3/26

Out: -705.210+/-791.316 χ^2/NDF:32.8/30

All: -484.363+/-565.044 χ^2/NDF: 54.2/57



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: 4498.235+/-1.047 χ^2/NDF:516315.8/10

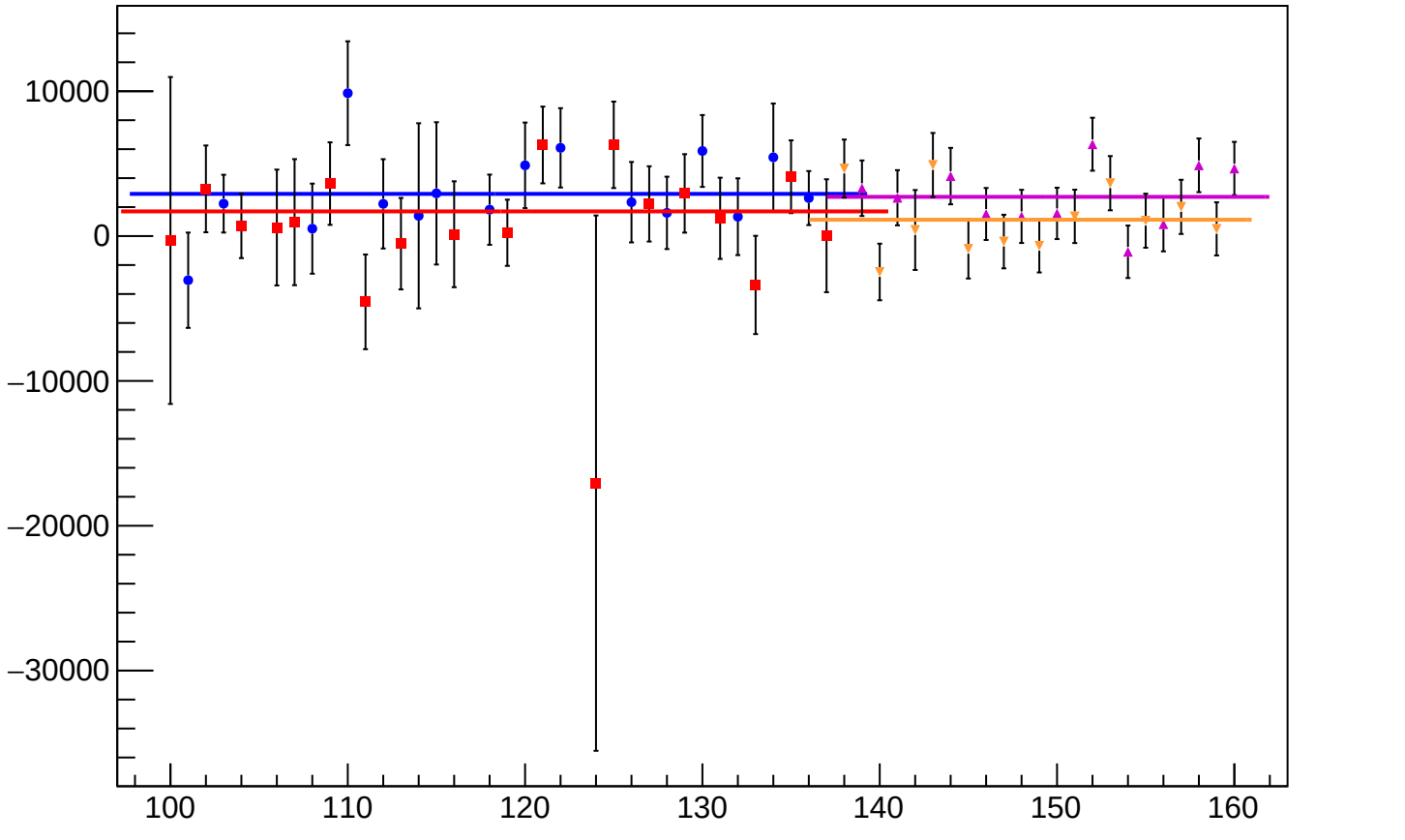
Left: 4419.283+/-0.729 χ^2/NDF: 1096436.1/22

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2648.927+/-0.571 χ^2/NDF:11810261.7/26

Out: 2602.199+/-0.560 χ^2/NDF:11254019.8/30

All: 2625.101+/-0.400 χ^2/NDF: 23067699.7/5



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: 2707.540+/-558.064 χ^2/NDF:13.9/10

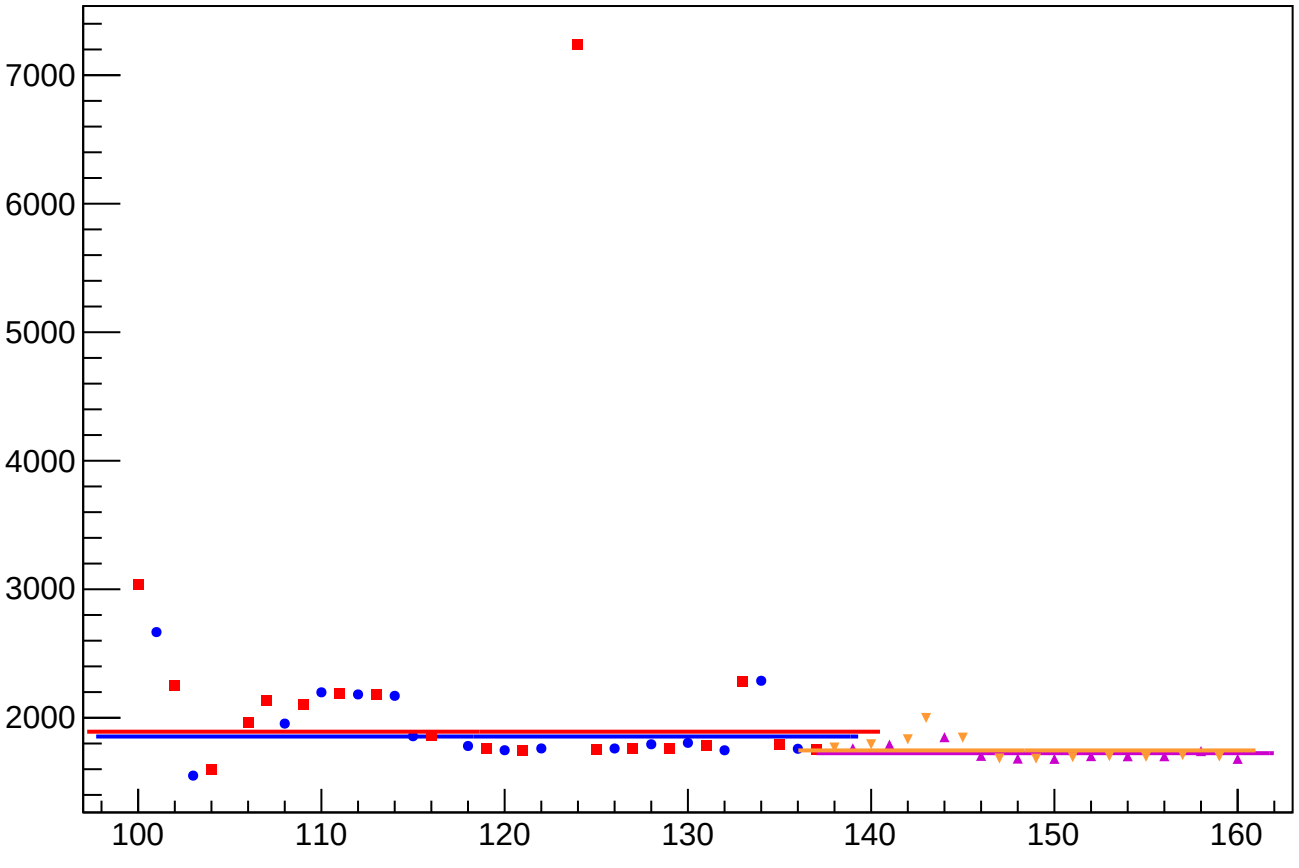
Left: 1928.858+/-397.311 χ^2/NDF: 32.1/22

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.109+/-435.159 χ^2/NDF:26.4/26

Out: 1353.039+/-441.708 χ^2/NDF:30.5/30

All: 2081.293+/-309.993 χ^2/NDF: 62.2/57



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: 1724.702+/-0.395 χ^2/NDF:16260.2/10

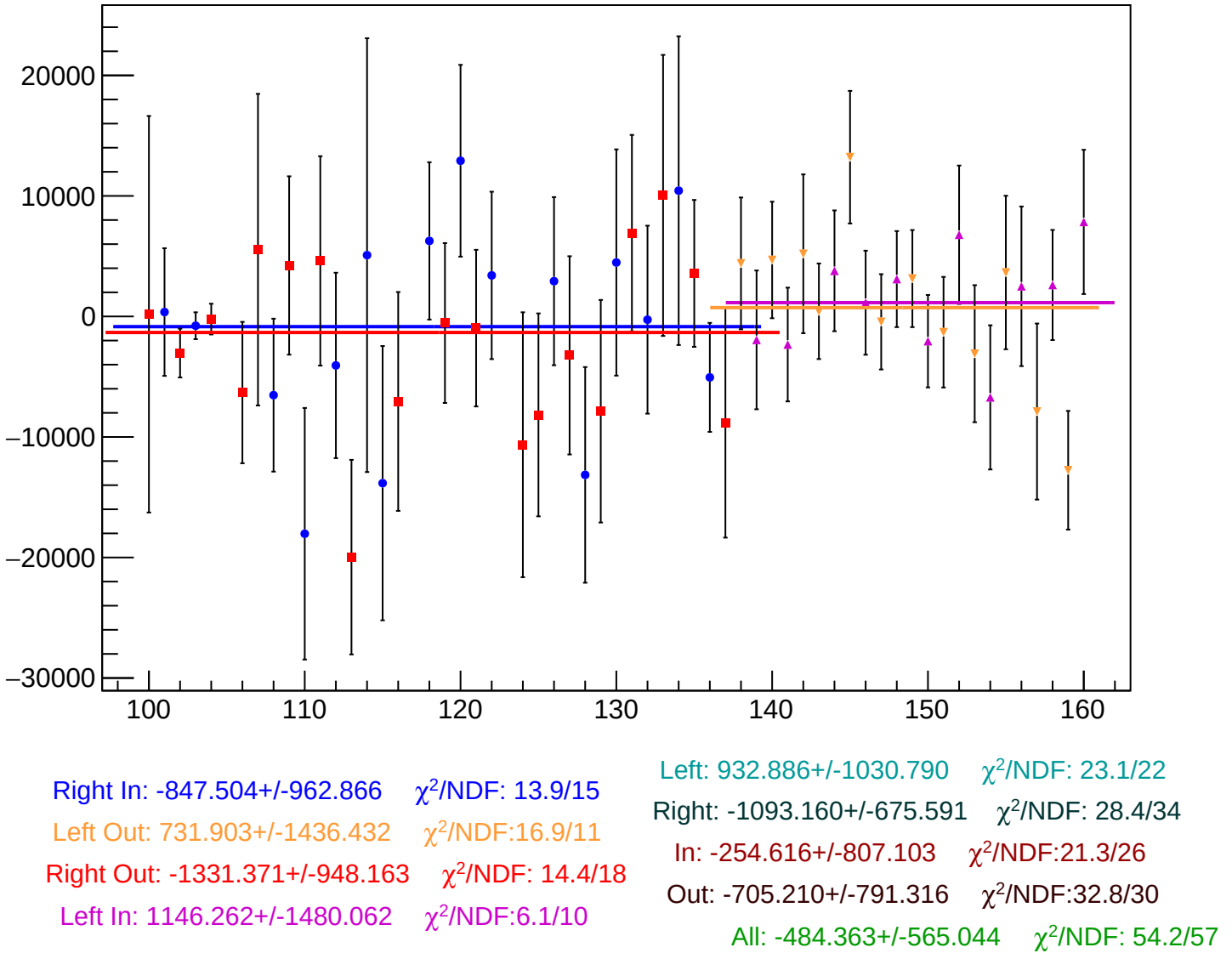
Left: 1735.321+/-0.281 χ^2/NDF: 62869.2/22

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

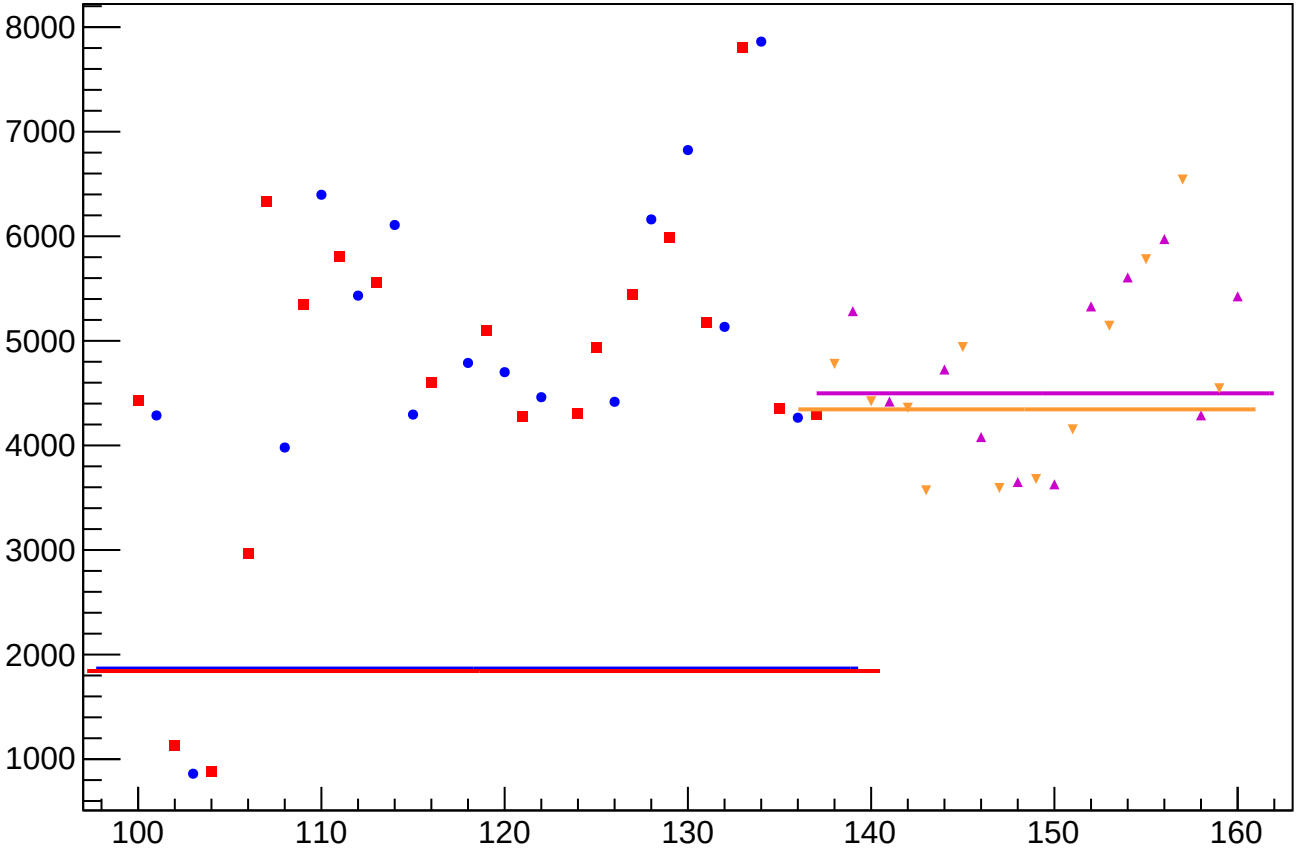
In: 1775.505+/-0.308 χ^2/NDF:321868.9/26

Out: 1803.274+/-0.312 χ^2/NDF:461352.2/30

All: 1789.193+/-0.219 χ^2/NDF: 787235.5/57


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 731.903+/-1436.432 χ²/NDF:16.9/11
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 1146.262+/-1480.062 χ²/NDF:6.1/10
Left: 932.886+/-1030.790 χ²/NDF: 23.1/22
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -254.616+/-807.103 χ²/NDF:21.3/26
Out: -705.210+/-791.316 χ²/NDF:32.8/30
All: -484.363+/-565.044 χ²/NDF: 54.2/57

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: 4498.235+/-1.047 χ^2/NDF:516315.8/10

Left: 4419.283+/-0.729 χ^2/NDF: 1096436.1/22

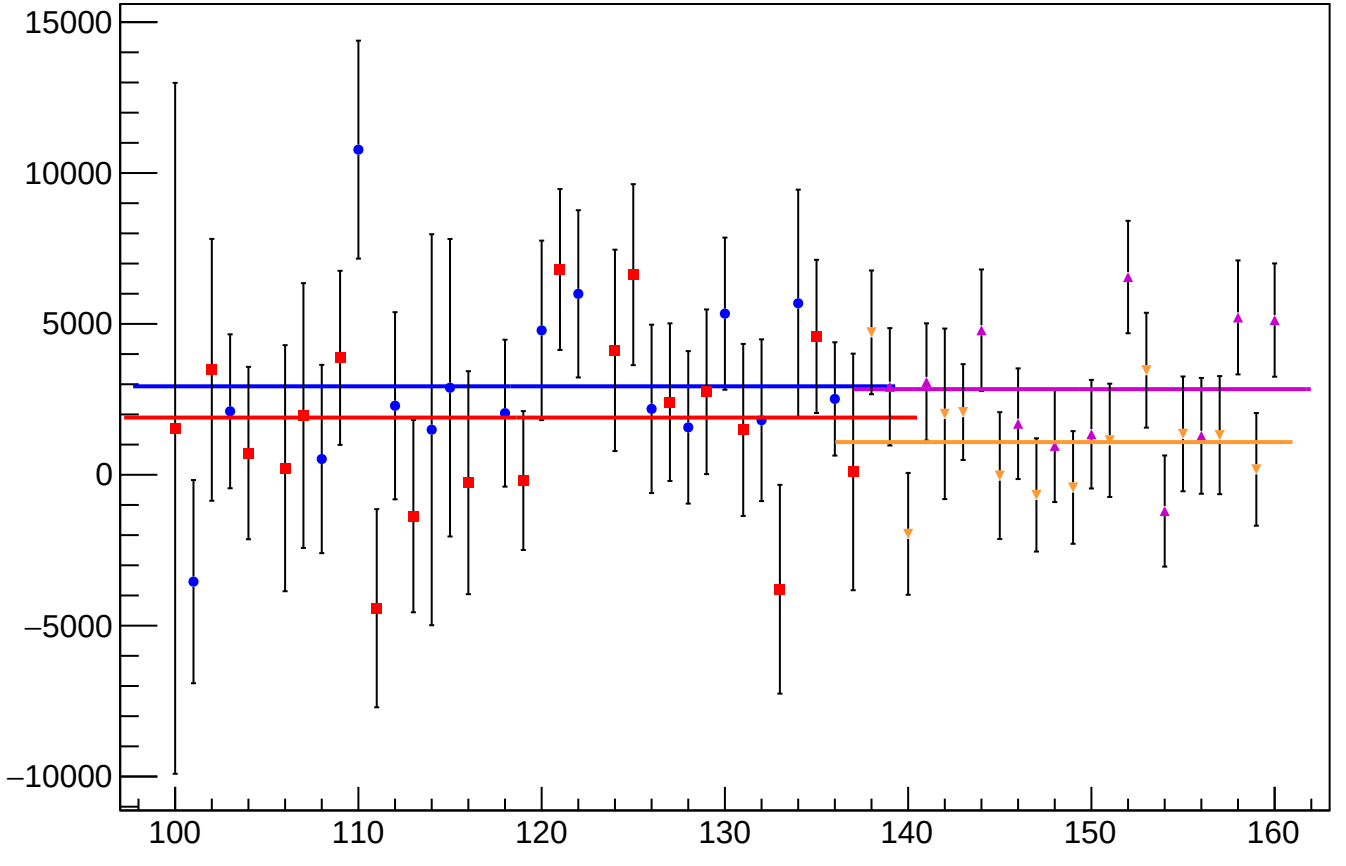
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2648.927+/-0.571 χ^2/NDF:11810261.7/26

Out: 2602.199+/-0.560 χ^2/NDF:11254019.8/30

All: 2625.101+/-0.400 χ^2/NDF: 23067699.7/5

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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: 2837.315+/-568.969 χ^2/NDF:15.6/10

Left: 1946.820+/-399.183 χ^2/NDF: 29.9/22

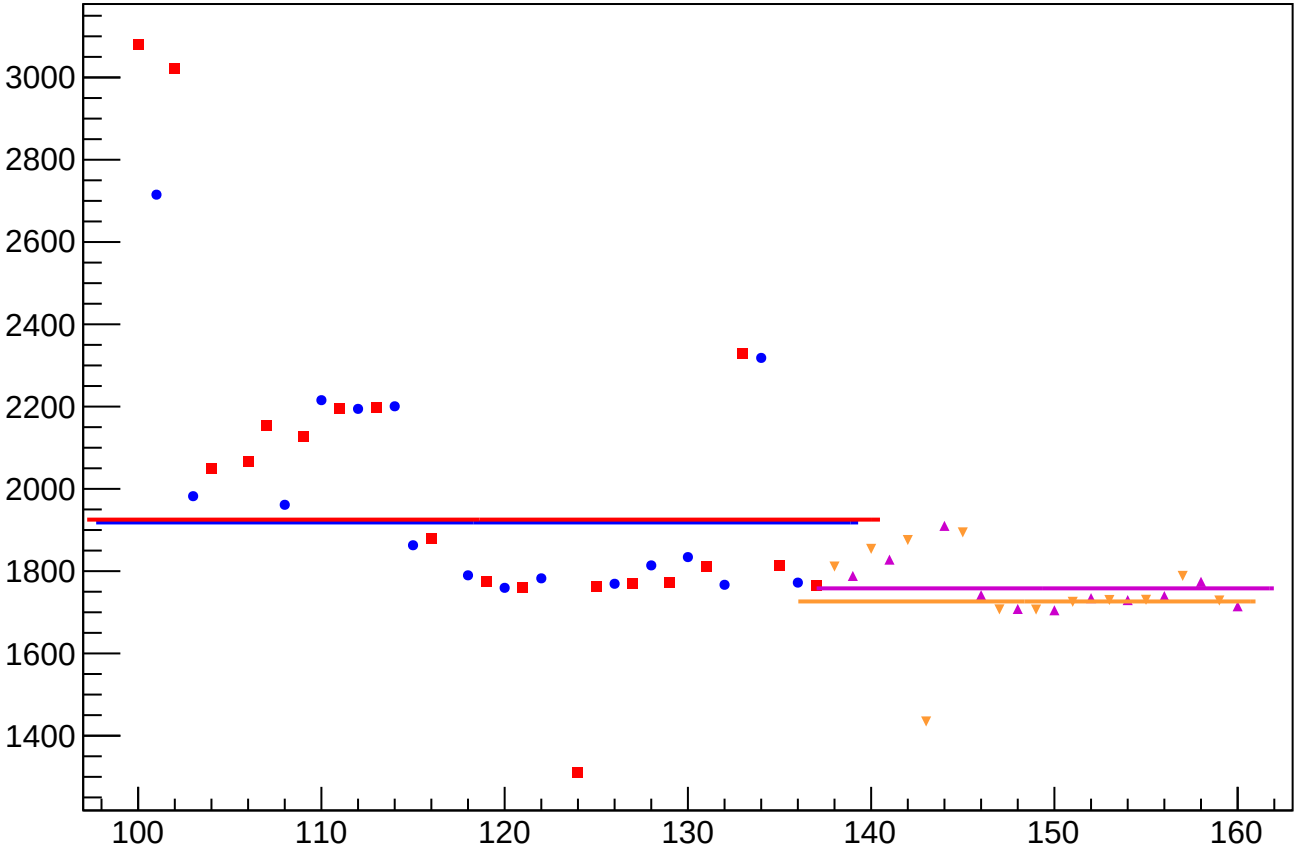
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2873.699+/-446.004 χ^2/NDF:28.6/26

Out: 1388.712+/-442.584 χ^2/NDF:27.7/30

All: 2125.490+/-314.156 χ^2/NDF: 61.9/57

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: 1758.168+/-0.402 χ^2/NDF:20029.4/10

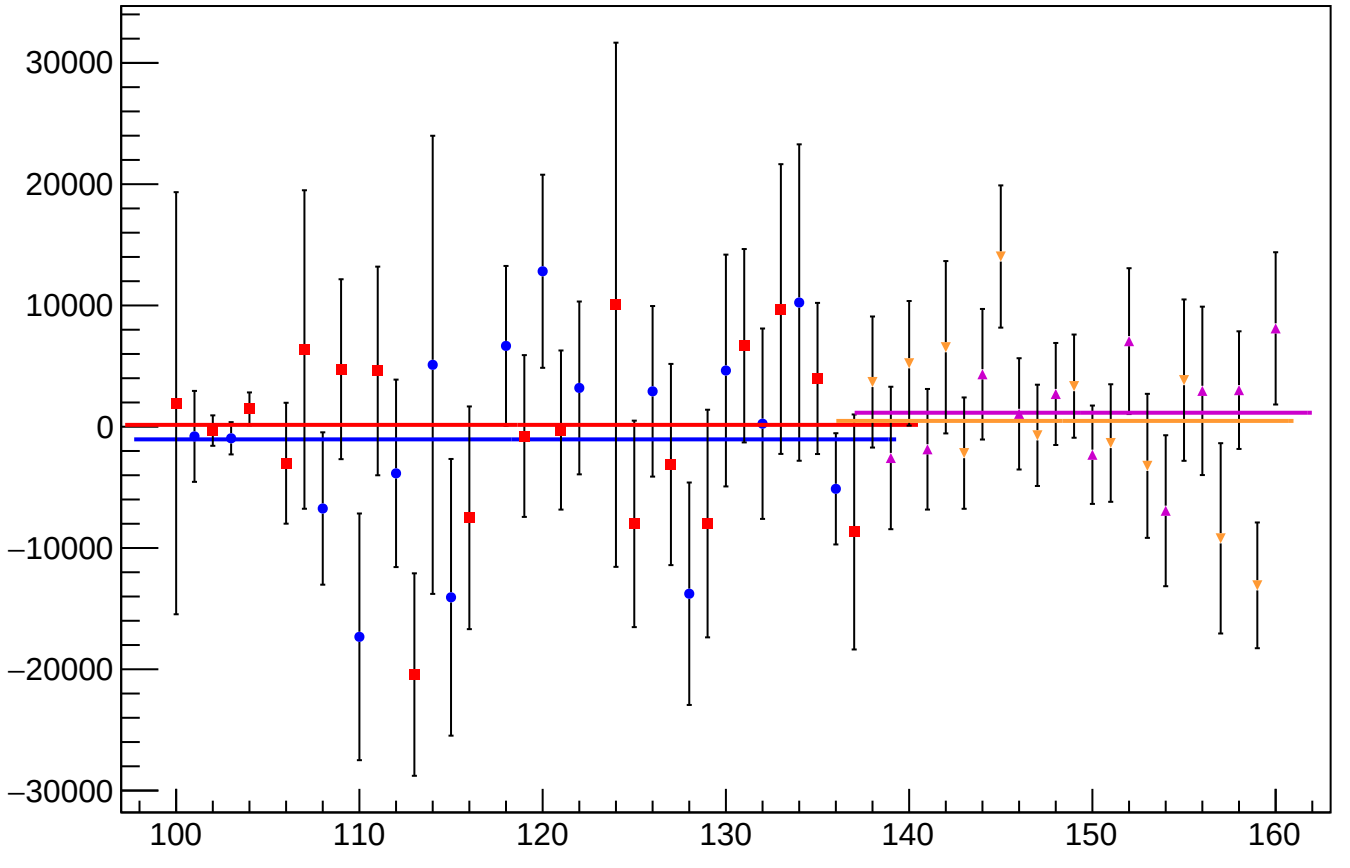
Left: 1742.014+/-0.282 χ^2/NDF: 122942.6/22

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1819.930+/-0.315 χ^2/NDF:296748.8/26

Out: 1801.183+/-0.313 χ^2/NDF:533688.9/30

All: 1810.481+/-0.222 χ^2/NDF: 832218.7/57



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: 1154.178+/-1560.158 χ^2/NDF:6.1/10

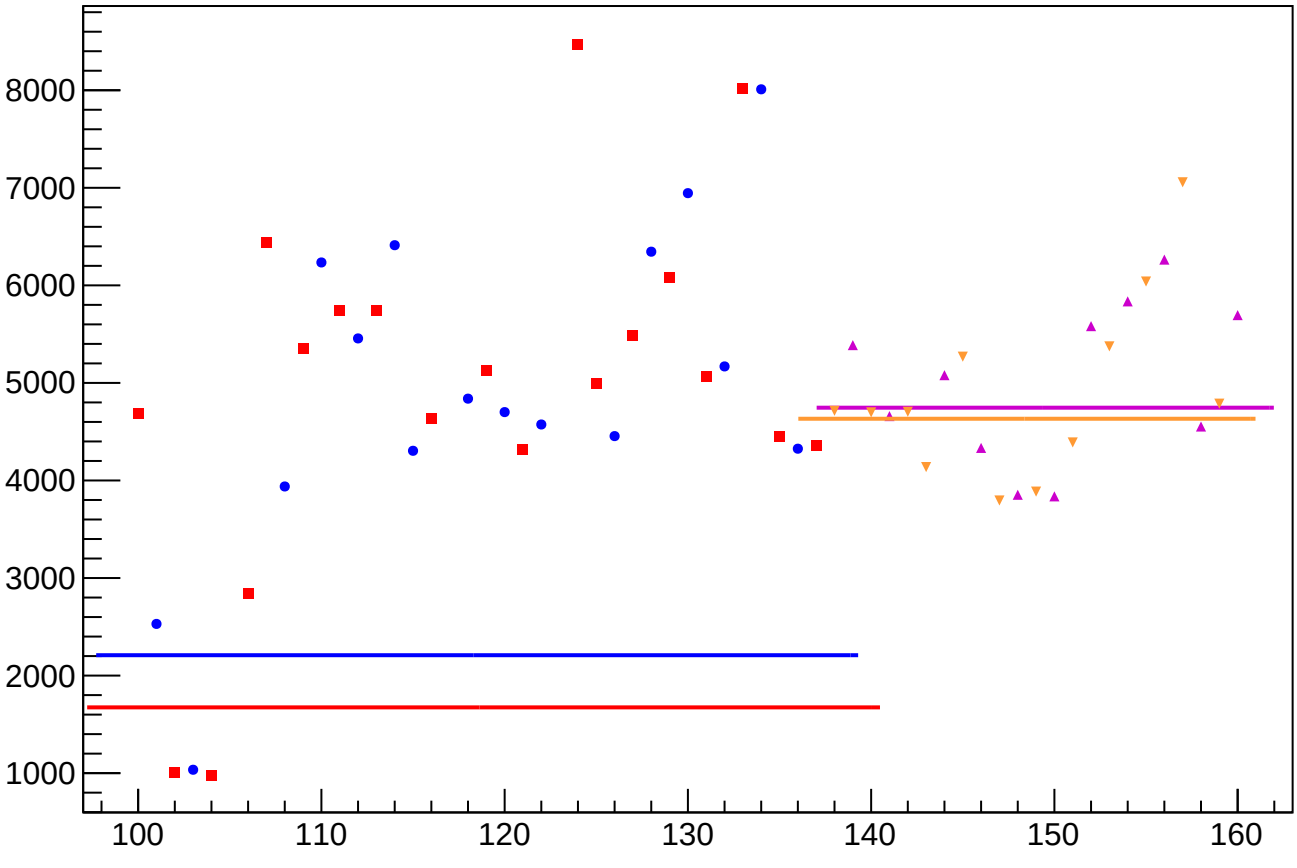
Left: 810.132+/-1091.836 χ^2/NDF: 23.5/22

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -337.244+/-883.761 χ^2/NDF:21.3/26

Out: 228.702+/-733.230 χ^2/NDF:31.1/30

All: -2.038+/-564.298 χ^2/NDF: 52.6/57



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: 4746.013+/-1.103 χ^2/NDF:483169.0/10

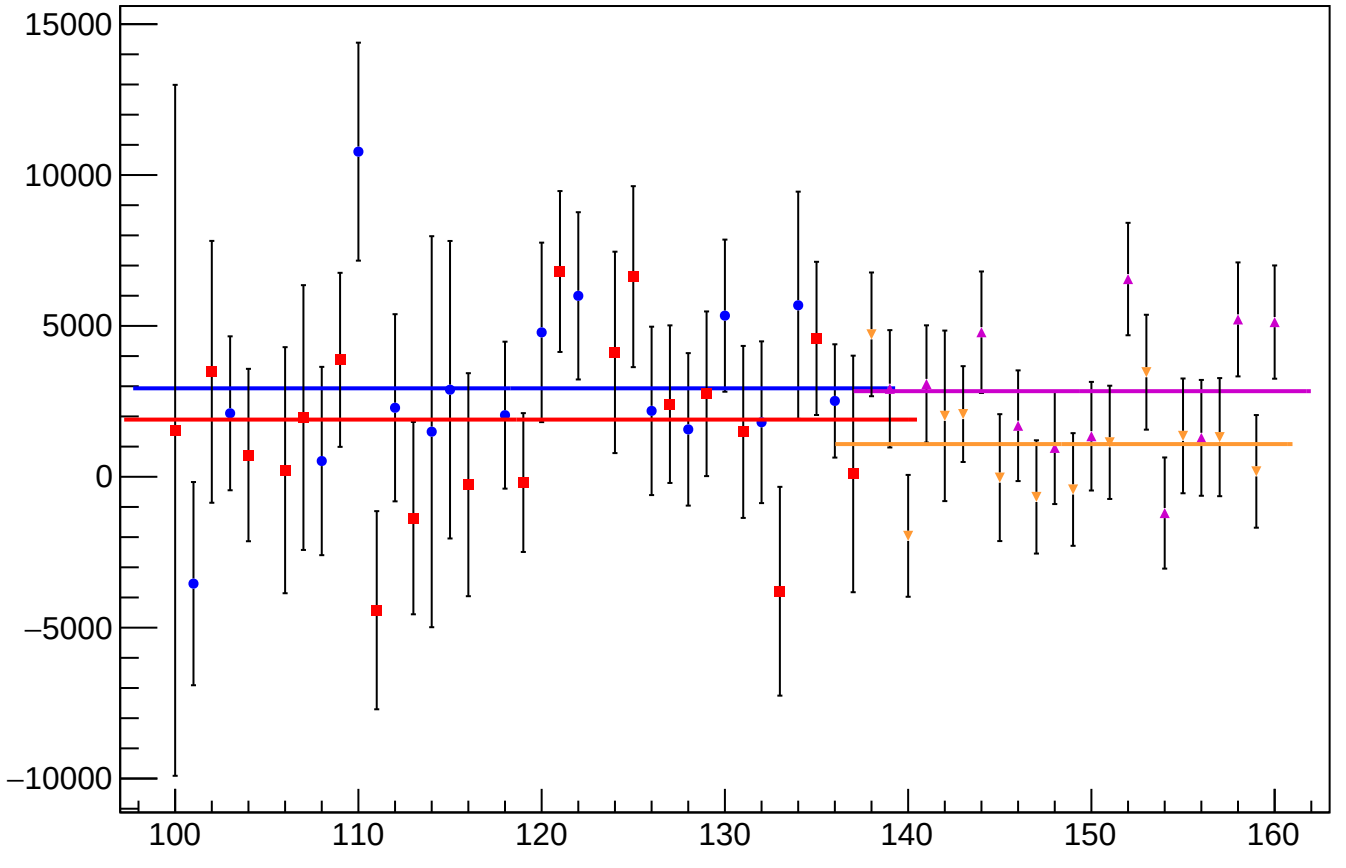
Left: 4688.218+/-0.772 χ^2/NDF: 996757.8/22

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3022.998+/-0.625 χ^2/NDF:9574041.2/26

Out: 2354.976+/-0.518 χ^2/NDF:13130256.6/30

All: 2627.333+/-0.399 χ^2/NDF: 23381125.5/5



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: 2837.315+/-568.969 χ^2/NDF:15.6/10

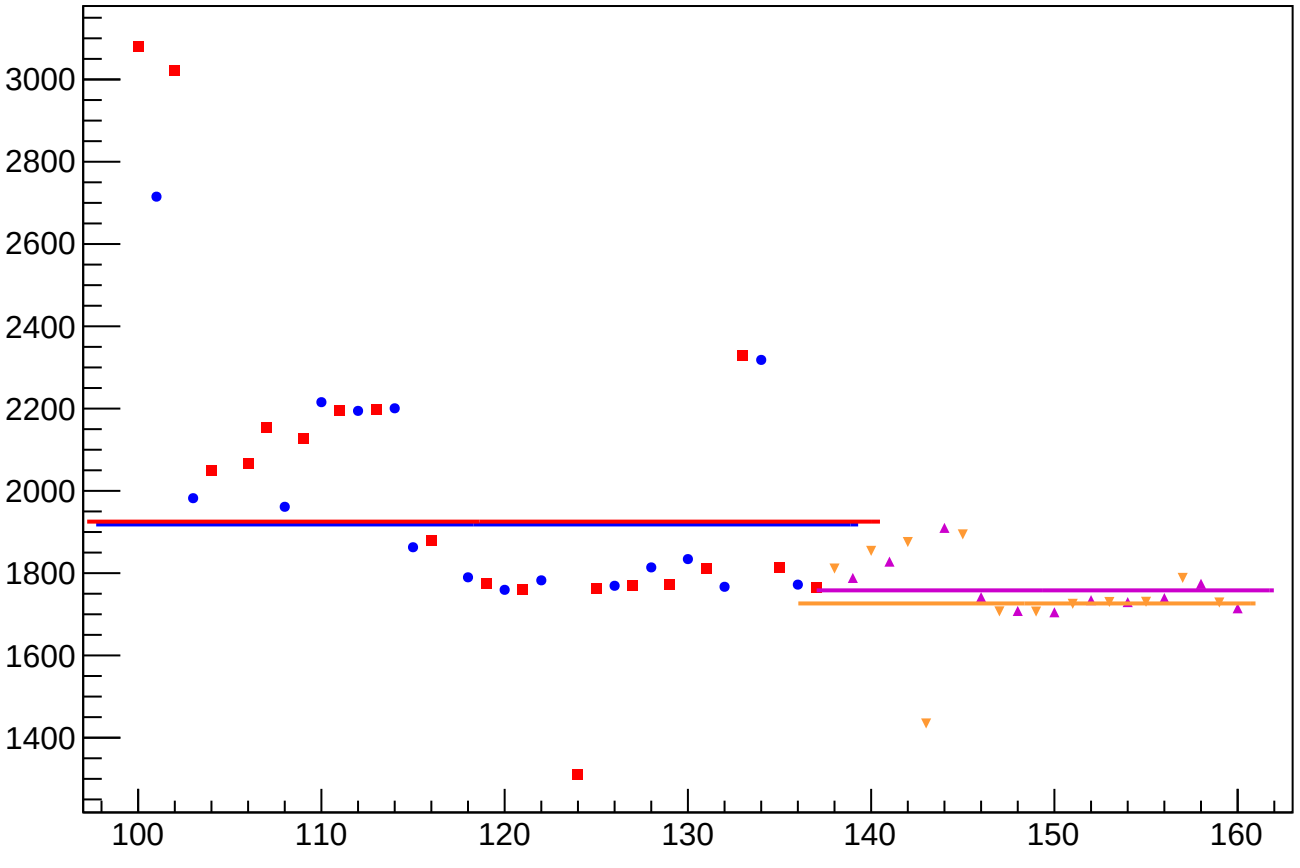
Left: 1946.817+/-399.184 χ^2/NDF: 29.9/22

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2873.701+/-446.004 χ^2/NDF:28.6/26

Out: 1388.709+/-442.584 χ^2/NDF:27.7/30

All: 2125.490+/-314.156 χ^2/NDF: 61.9/57



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: 1758.169+/-0.402 χ^2/NDF:20029.4/10

Left: 1742.015+/-0.282 χ^2/NDF: 122941.6/22

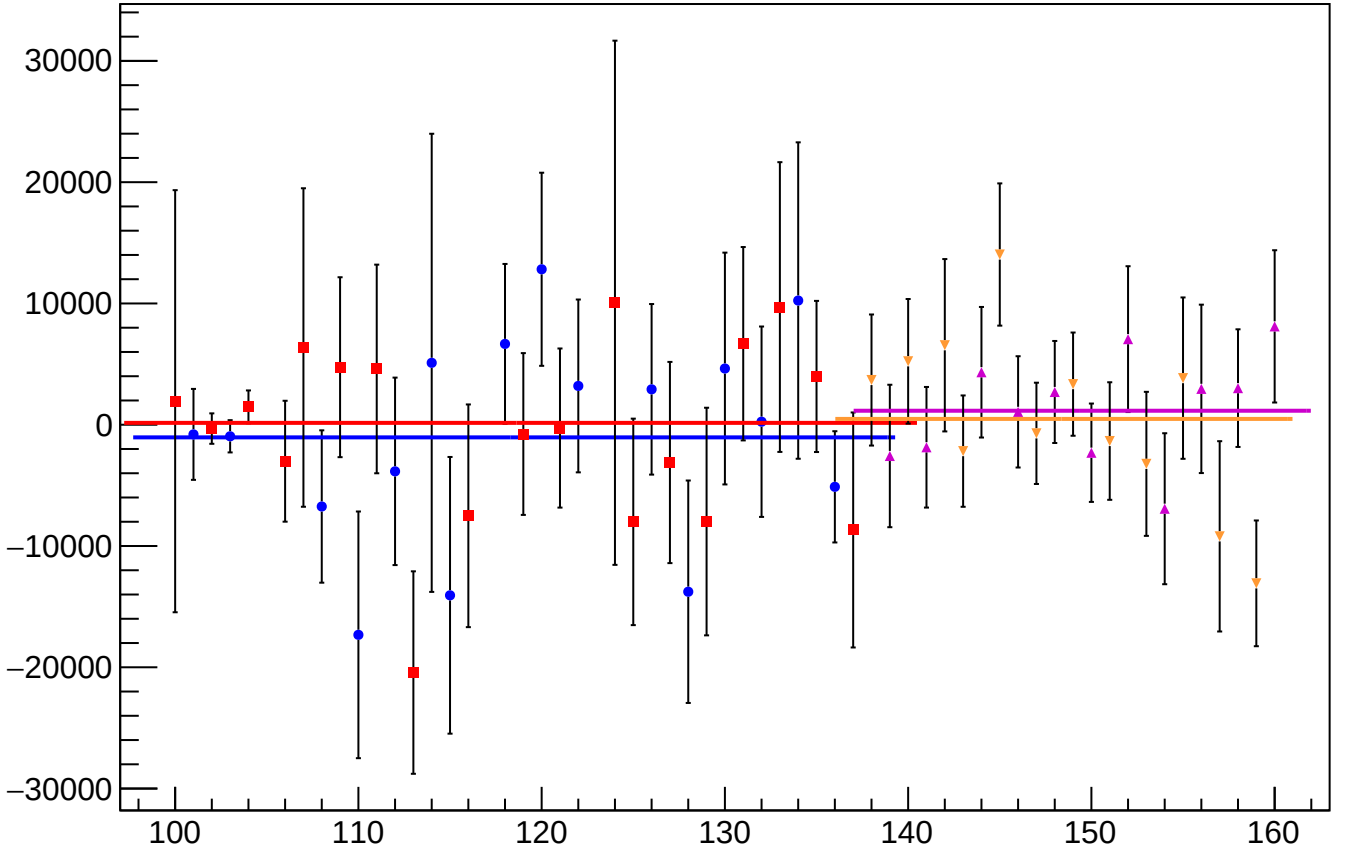
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1819.930+/-0.315 χ^2/NDF:296747.7/26

Out: 1801.183+/-0.313 χ^2/NDF:533685.4/30

All: 1810.482+/-0.222 χ^2/NDF: 832214.1/57

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 479.900+/-1528.510 χ^2/NDF:17.3/11

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 1154.176+/-1560.160 χ^2/NDF:6.1/10

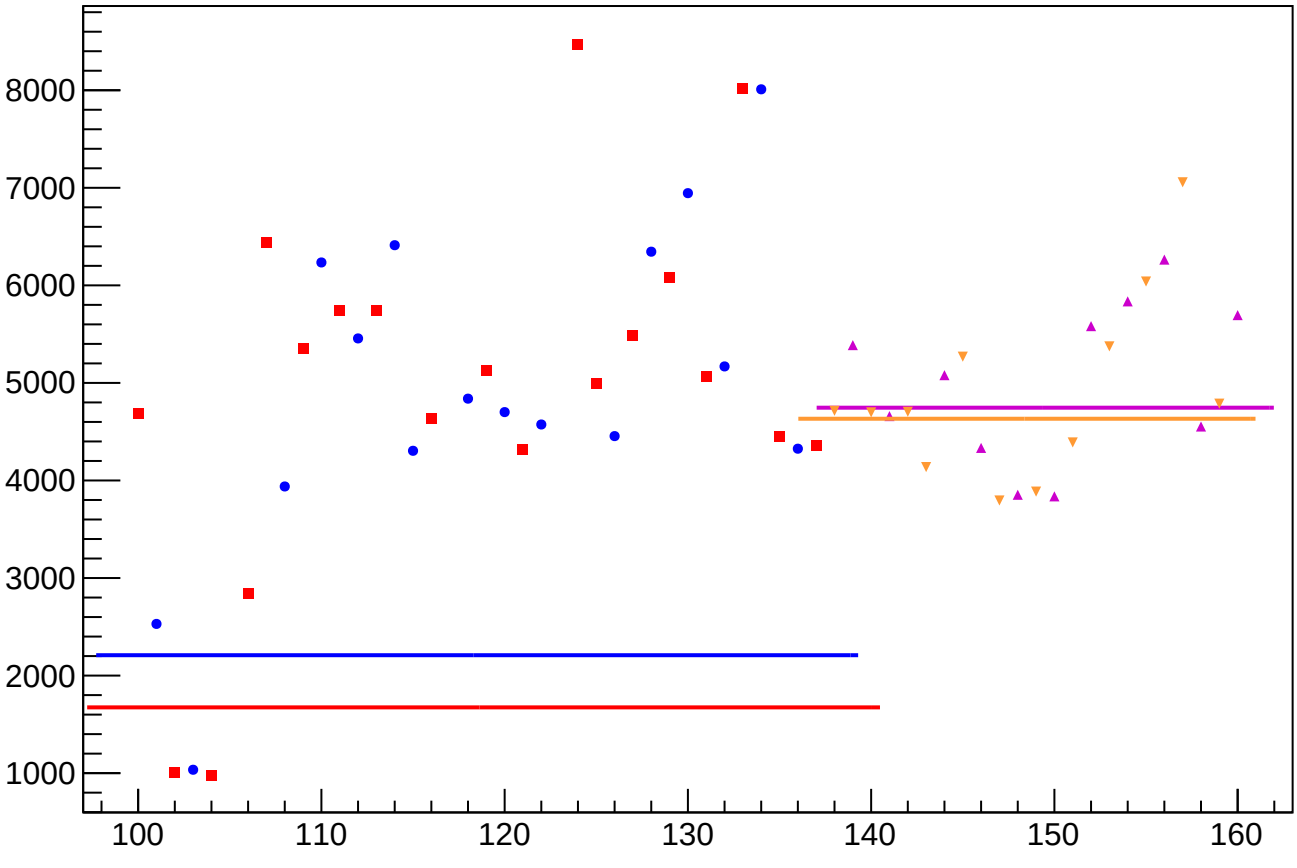
Left: 810.129+/-1091.838 χ^2/NDF: 23.5/22

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -337.245+/-883.761 χ^2/NDF:21.3/26

Out: 228.697+/-733.230 χ^2/NDF:31.1/30

All: -2.041+/-564.298 χ^2/NDF: 52.6/57



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: 4746.020+/-1.103 χ^2/NDF:483166.4/10

Left: 4688.225+/-0.772 χ^2/NDF: 996753.1/22

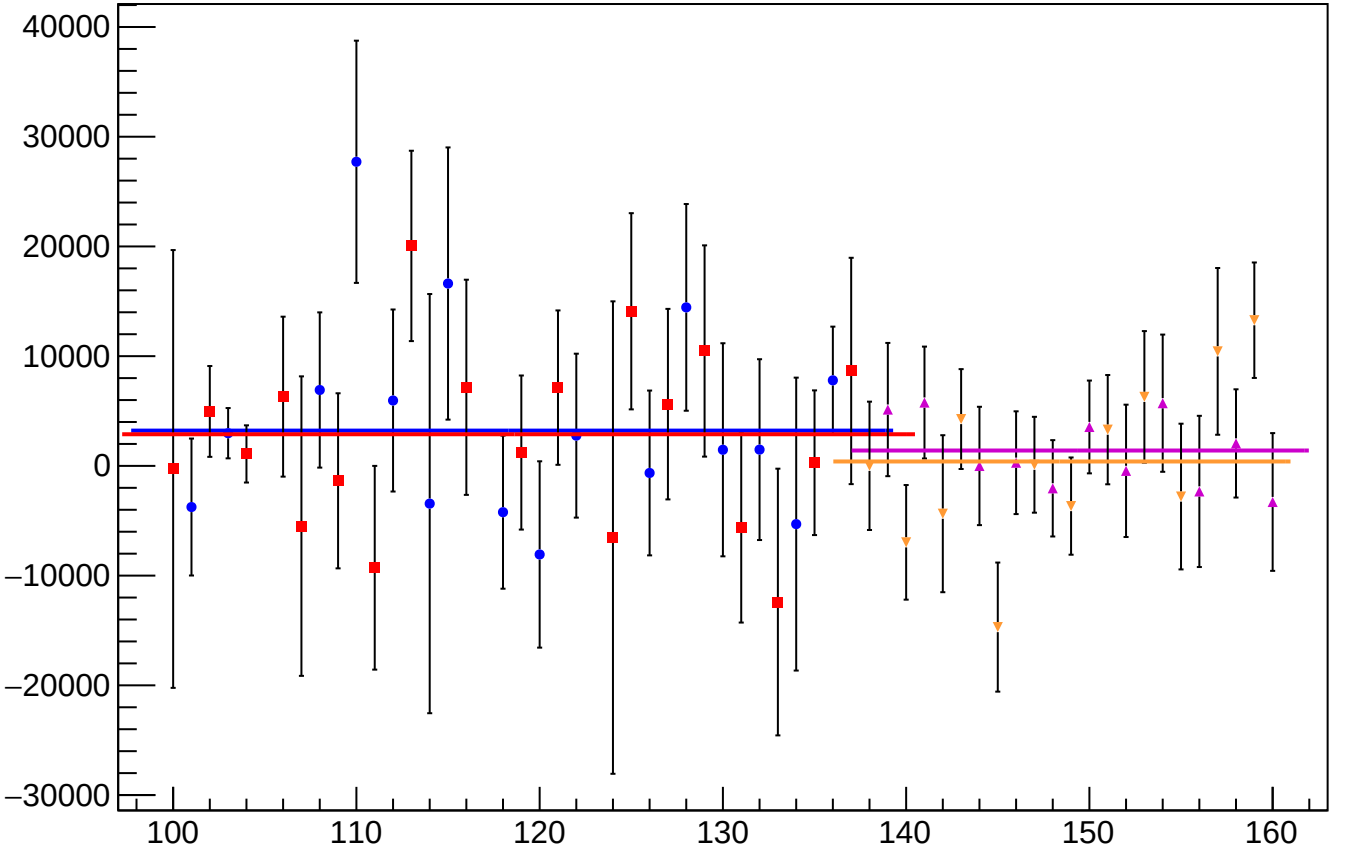
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3022.997+/-0.625 χ^2/NDF:9574047.8/26

Out: 2354.976+/-0.518 χ^2/NDF:13130263.3/30

All: 2627.332+/-0.399 χ^2/NDF: 23381139.0/5

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: 1401.311+/-1593.154 χ^2/NDF:3.5/10

Left: 891.675+/-1115.114 χ^2/NDF: 23.6/22

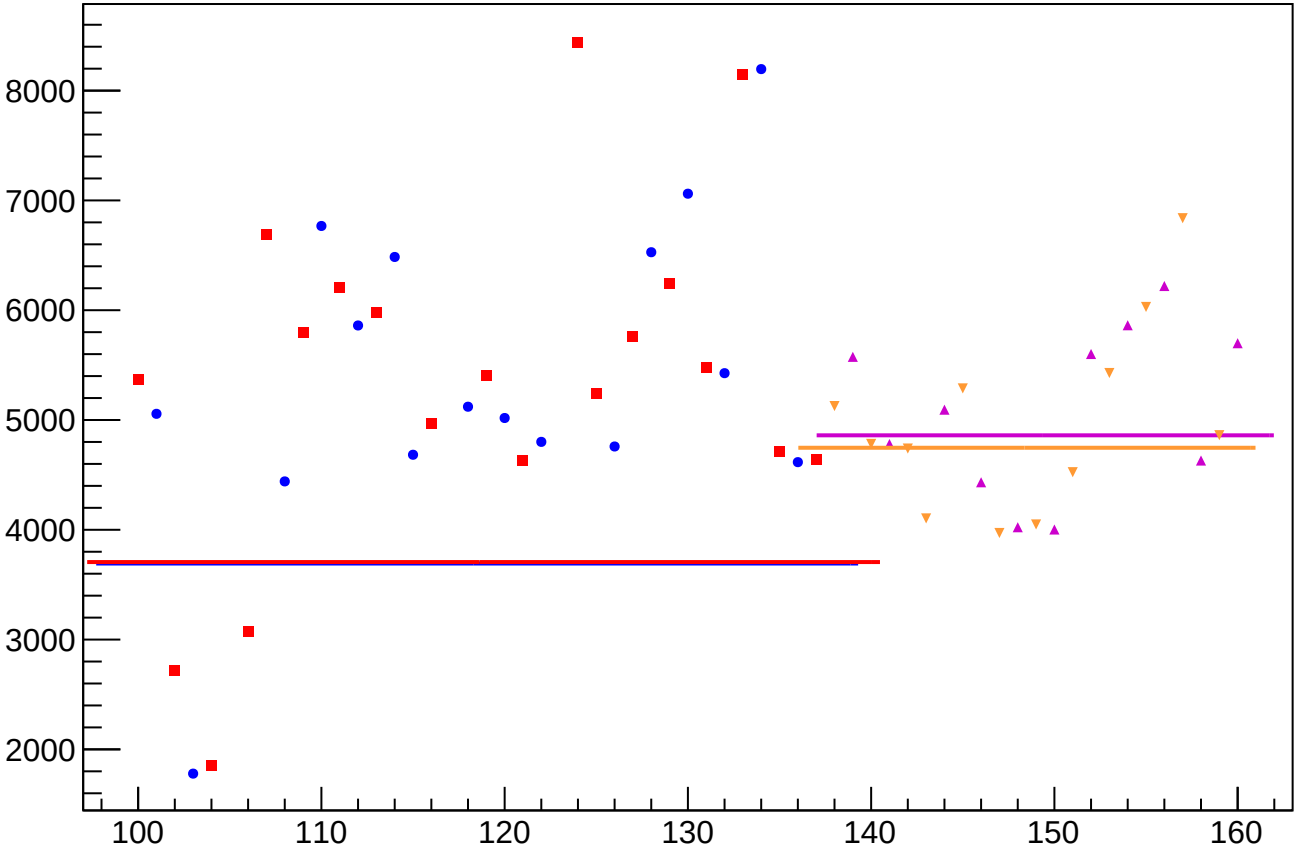
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2339.709+/-1106.985 χ^2/NDF:18.0/26

Out: 1650.151+/-1100.762 χ^2/NDF:34.5/30

All: 1992.987+/-780.547 χ^2/NDF: 52.7/57

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: 4860.445+/-1.127 χ^2/NDF:403217.0/10

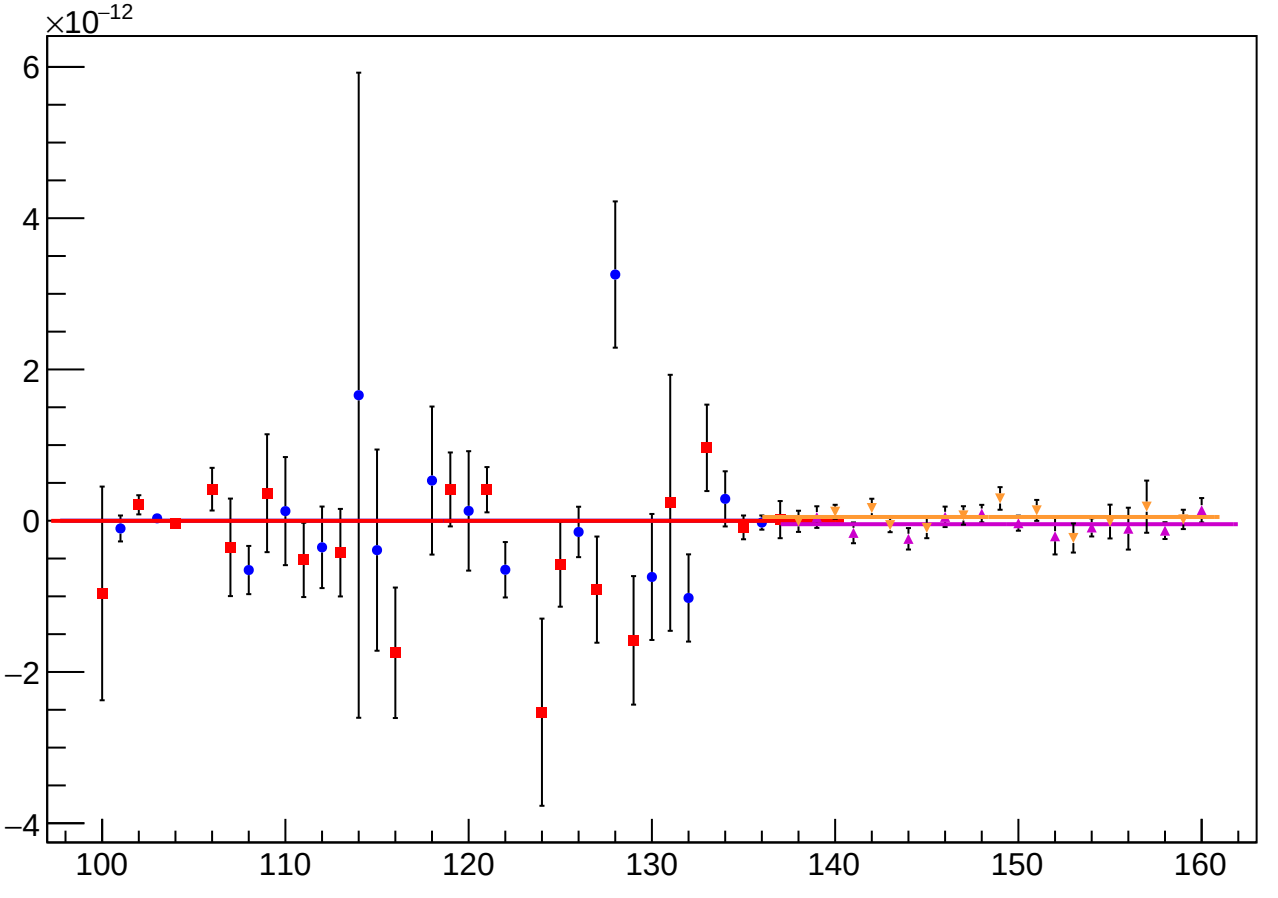
Left: 4802.642+/-0.789 χ^2/NDF: 843451.9/22

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4256.547+/-0.783 χ^2/NDF:3844501.4/26

Out: 4218.296+/-0.774 χ^2/NDF:3571264.0/30

All: 4237.217+/-0.551 χ^2/NDF: 7416972.1/57



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:7.5/10

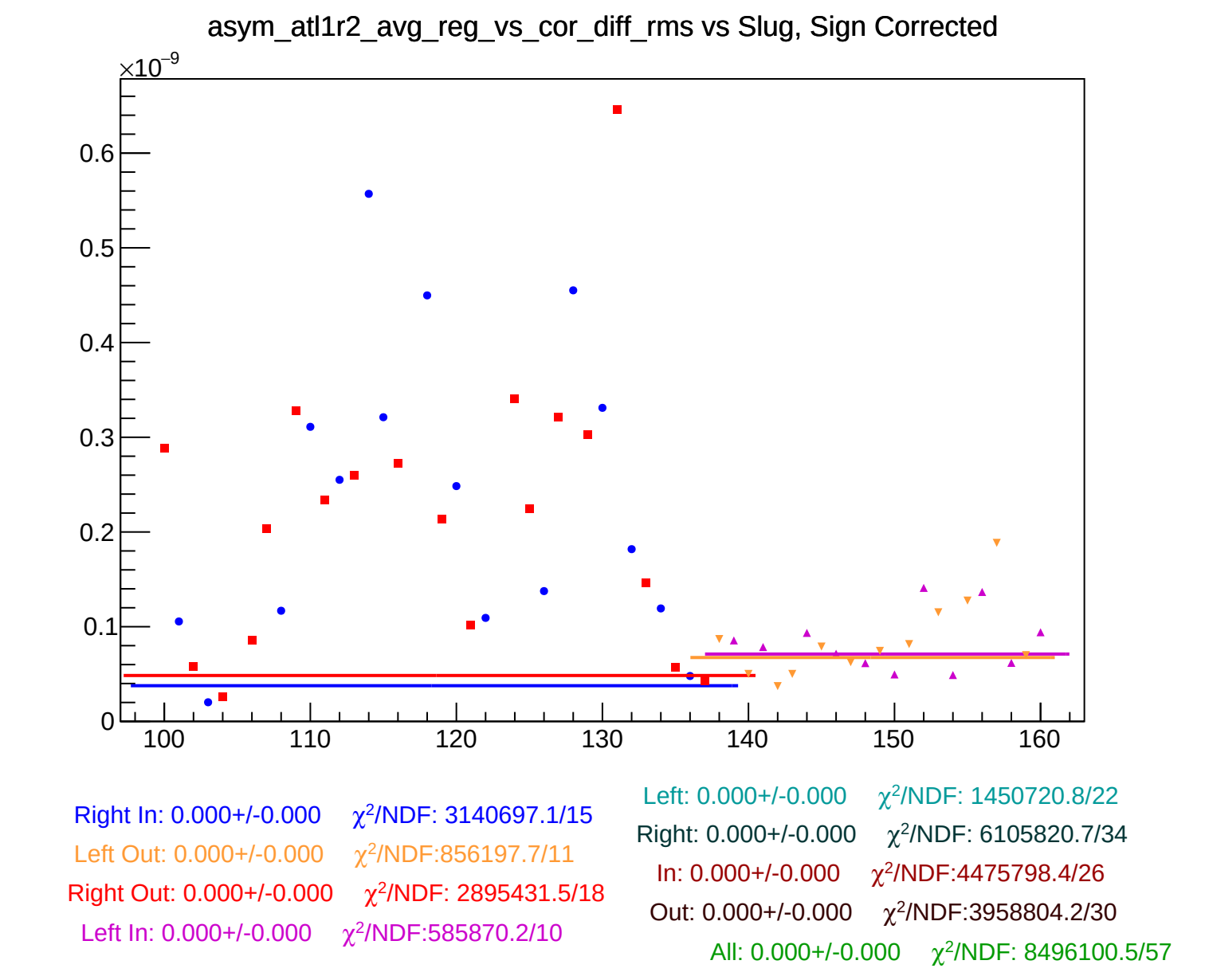
Left: 0.000+/-0.000 χ^2/NDF: 20.0/22

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

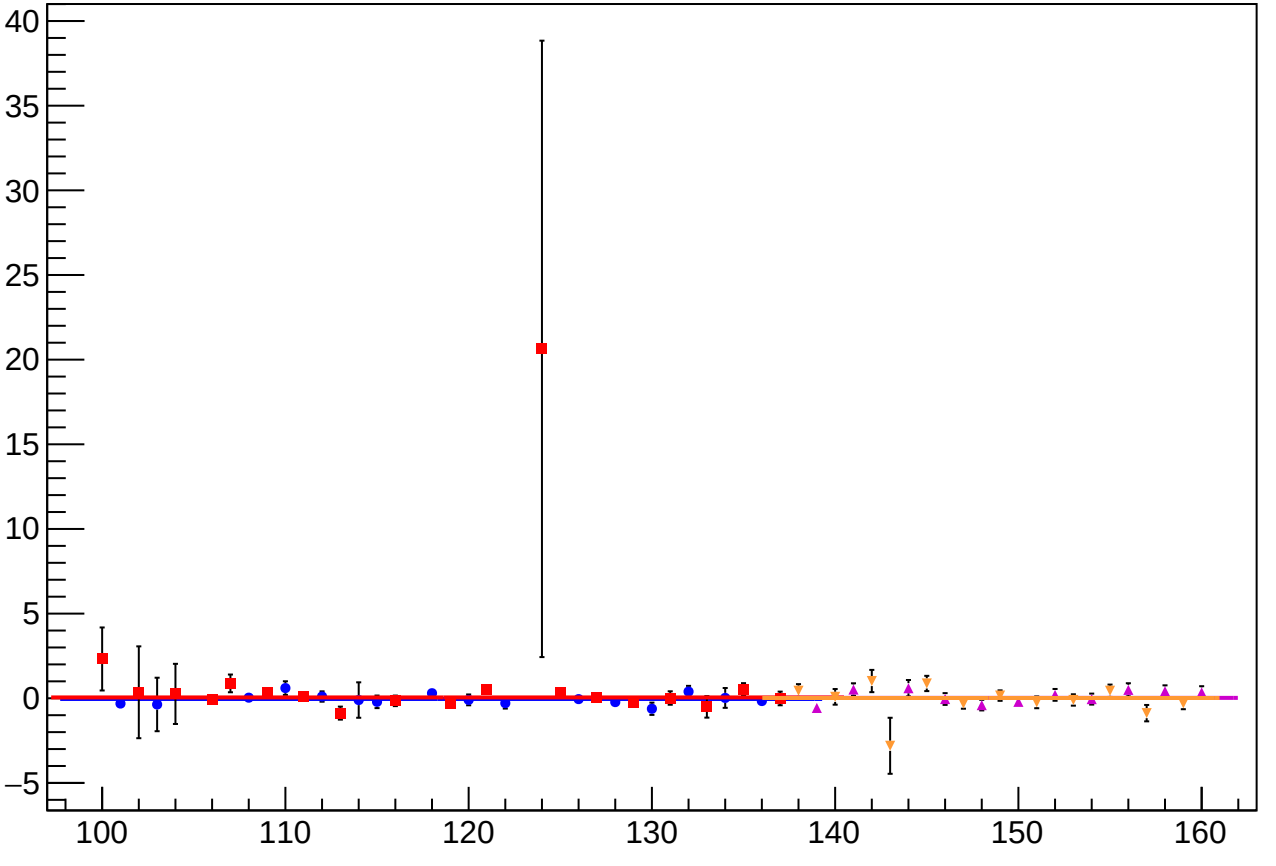
In: -0.000+/-0.000 χ^2/NDF:33.6/26

Out: 0.000+/-0.000 χ^2/NDF:38.6/30

All: 0.000+/-0.000 χ^2/NDF: 73.6/57


asym_atl1r2_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: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:856197.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:585870.2/10
Left: 0.000+/-0.000 χ²/NDF: 1450720.8/22
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:4475798.4/26
Out: 0.000+/-0.000 χ²/NDF:3958804.2/30
All: 0.000+/-0.000 χ²/NDF: 8496100.5/57

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: 0.023+/-0.103 χ^2/NDF:14.3/10

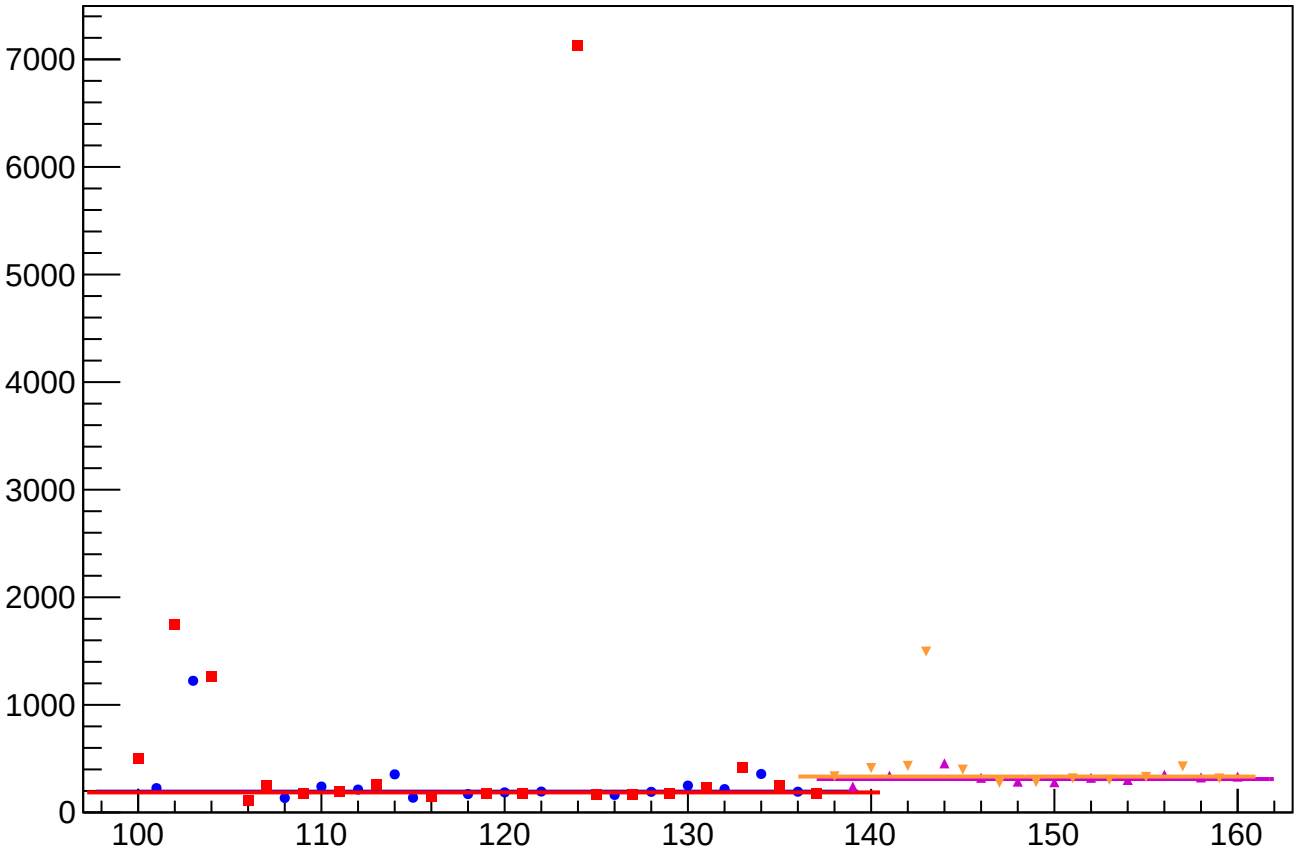
Left: 0.020+/-0.076 χ^2/NDF: 32.0/22

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.009+/-0.045 χ^2/NDF: 67.5/57



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: 310.748+/-0.073 χ^2/NDF:395615.0/10

Left: 321.050+/-0.054 χ^2/NDF: 1800839.2/22

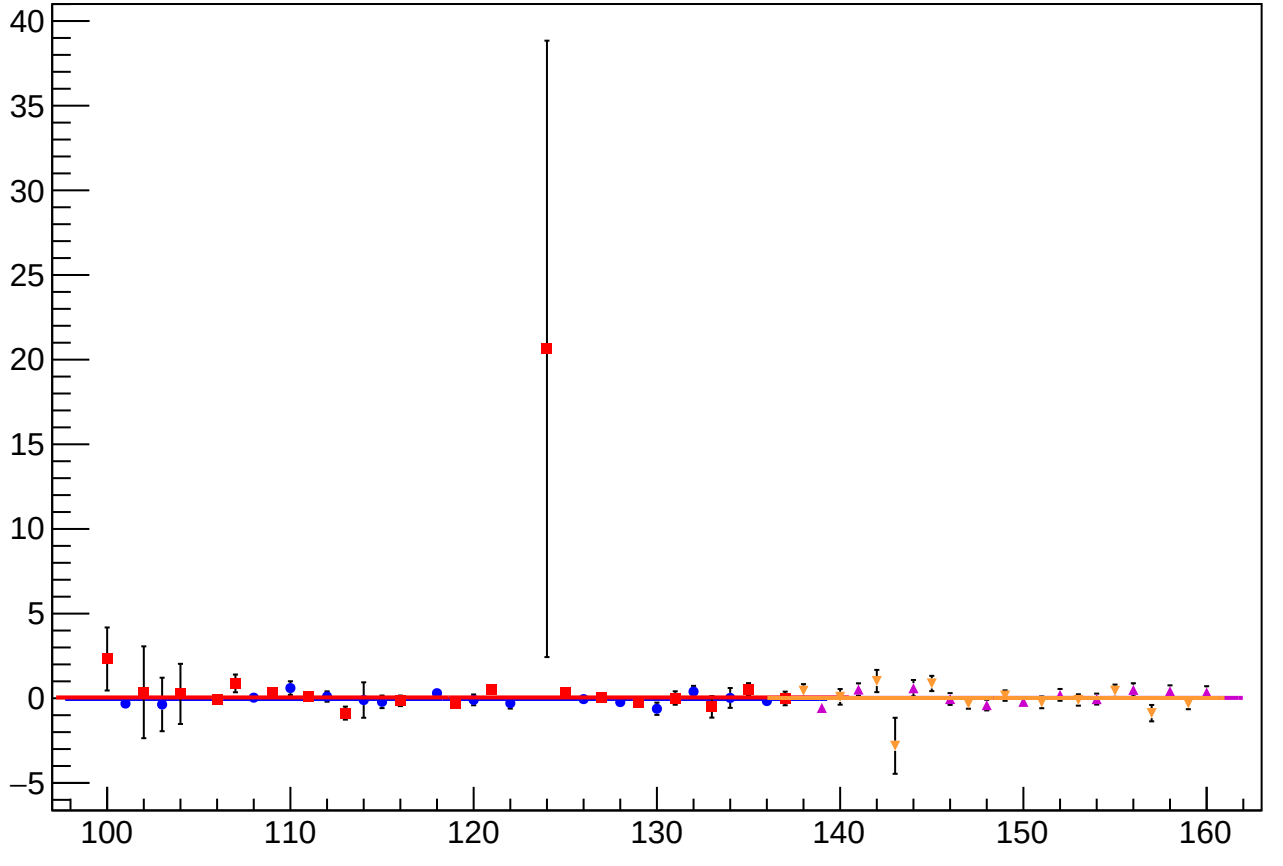
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.046+/-0.044 χ^2/NDF:3467561.0/26

Out: 234.213+/-0.046 χ^2/NDF:6109101.6/30

All: 235.169+/-0.032 χ^2/NDF: 9577498.7/57

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: 0.023+/-0.103 χ^2/NDF:14.3/10

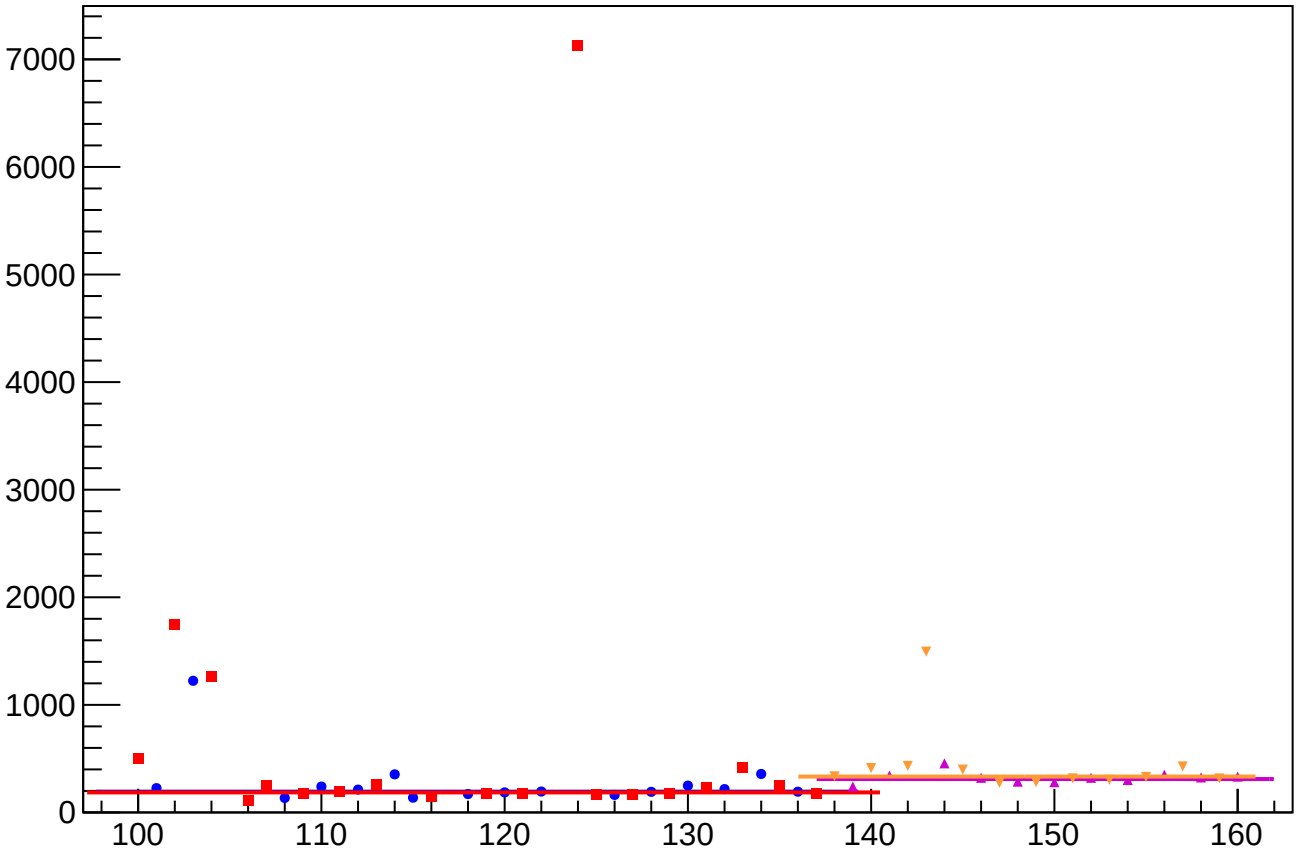
Left: 0.020+/-0.076 χ^2/NDF: 32.0/22

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.009+/-0.045 χ^2/NDF: 67.5/57



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: 310.748+/-0.073 χ^2/NDF:395615.0/10

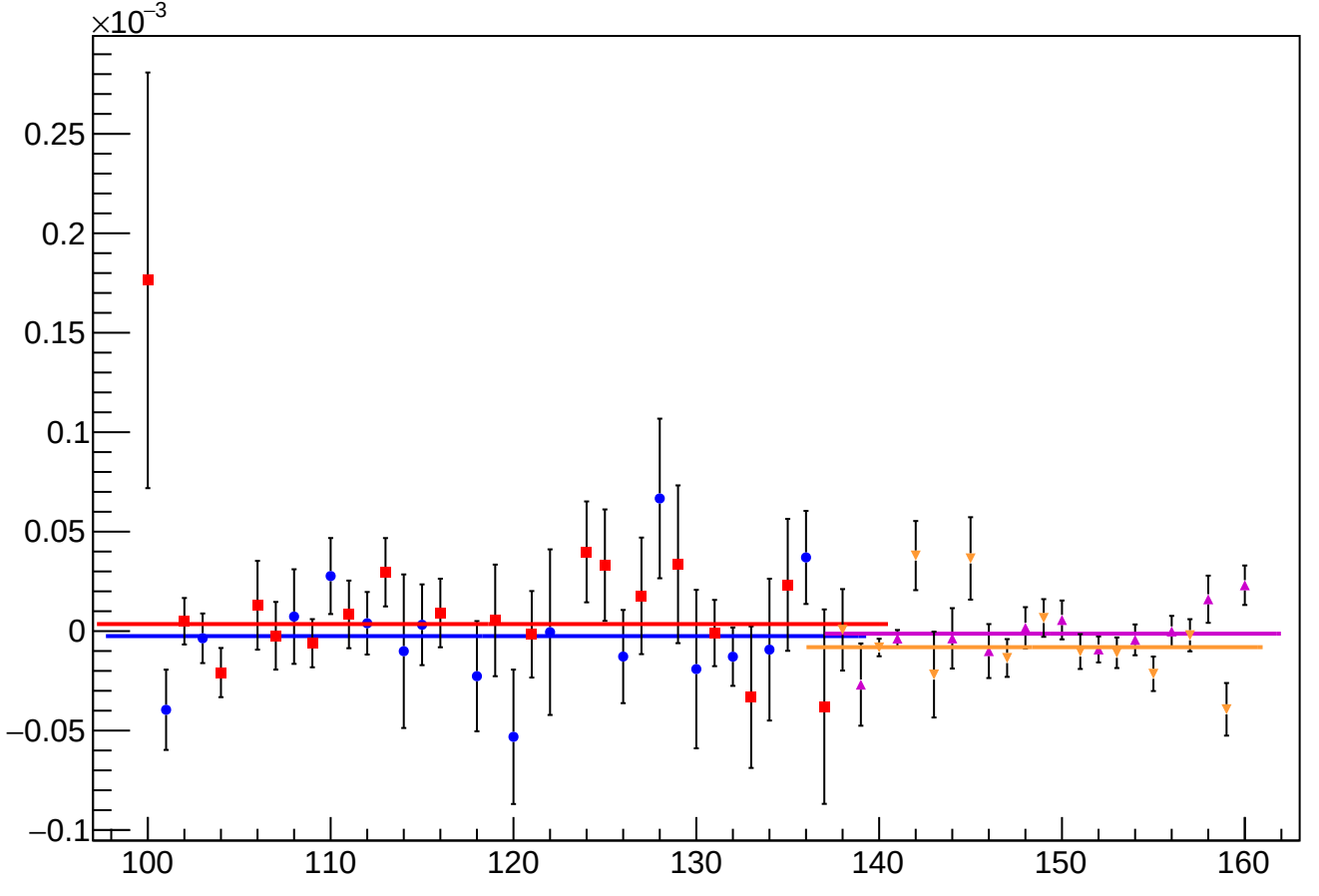
Left: 321.050+/-0.054 χ^2/NDF: 1800839.2/22

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.046+/-0.044 χ^2/NDF:3467561.0/26

Out: 234.213+/-0.046 χ^2/NDF:6109101.6/30

All: 235.169+/-0.032 χ^2/NDF: 9577498.7/57



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:12.7/10

Left: -0.000+/-0.000 χ^2/NDF: 39.9/22

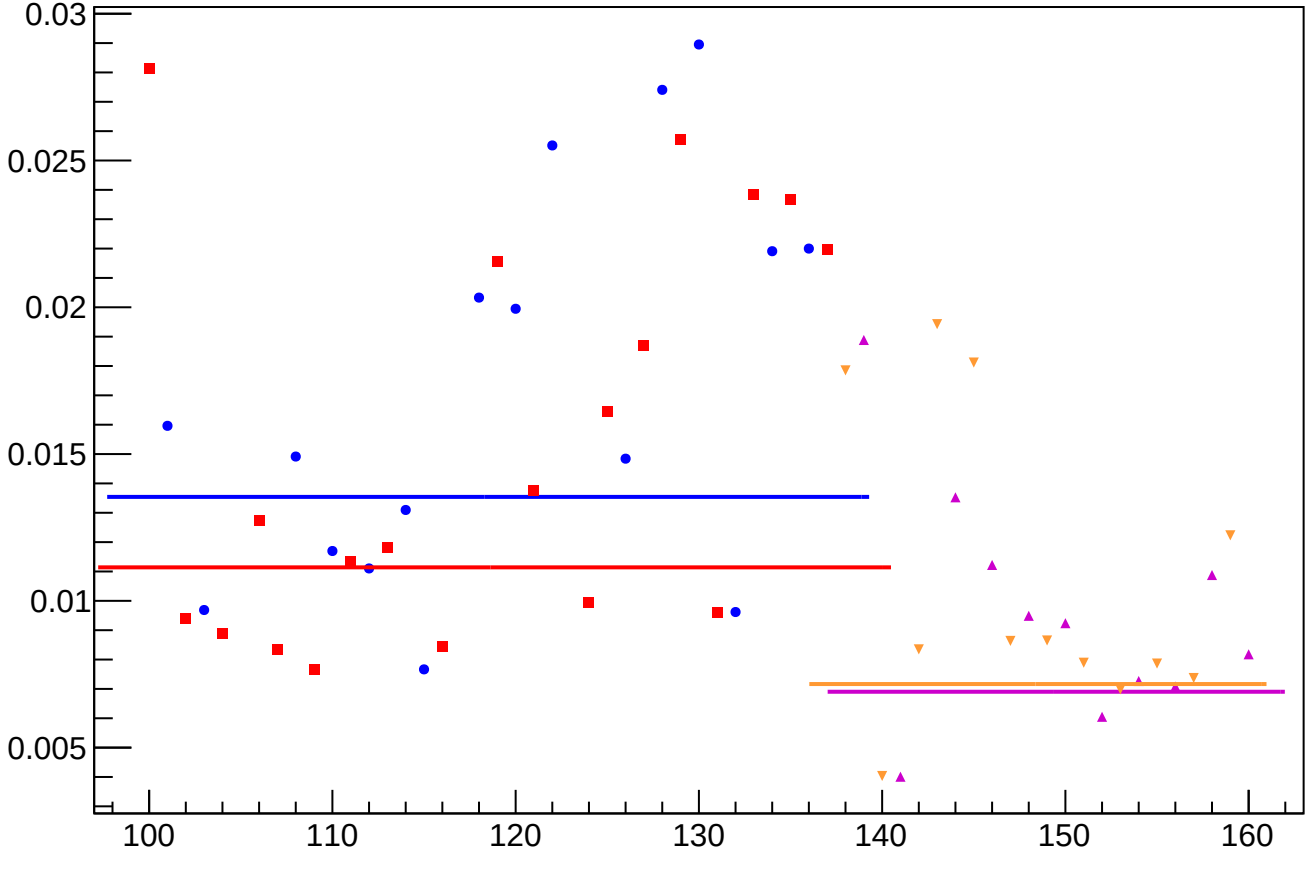
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:28.6/26

Out: -0.000+/-0.000 χ^2/NDF:45.1/30

All: -0.000+/-0.000 χ^2/NDF: 74.9/57

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:2712165.3/10

Left: 0.007+/-0.000 χ^2/NDF: 5915766.2/22

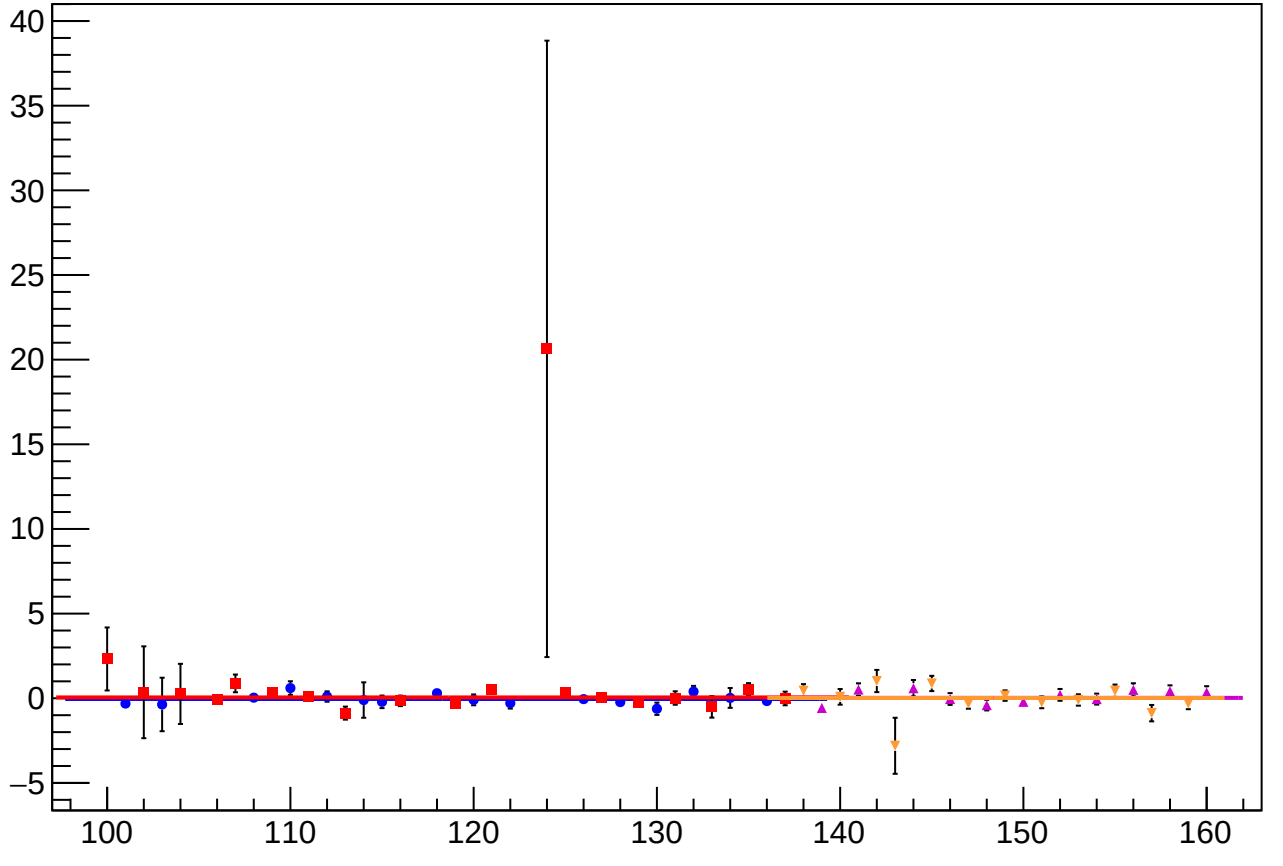
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:7040337.8/26

Out: 0.008+/-0.000 χ^2/NDF:6265880.4/30

All: 0.008+/-0.000 χ^2/NDF: 13308943.1/57

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: 0.023+/-0.103 χ^2/NDF:14.3/10

Left: 0.020+/-0.076 χ^2/NDF: 32.0/22

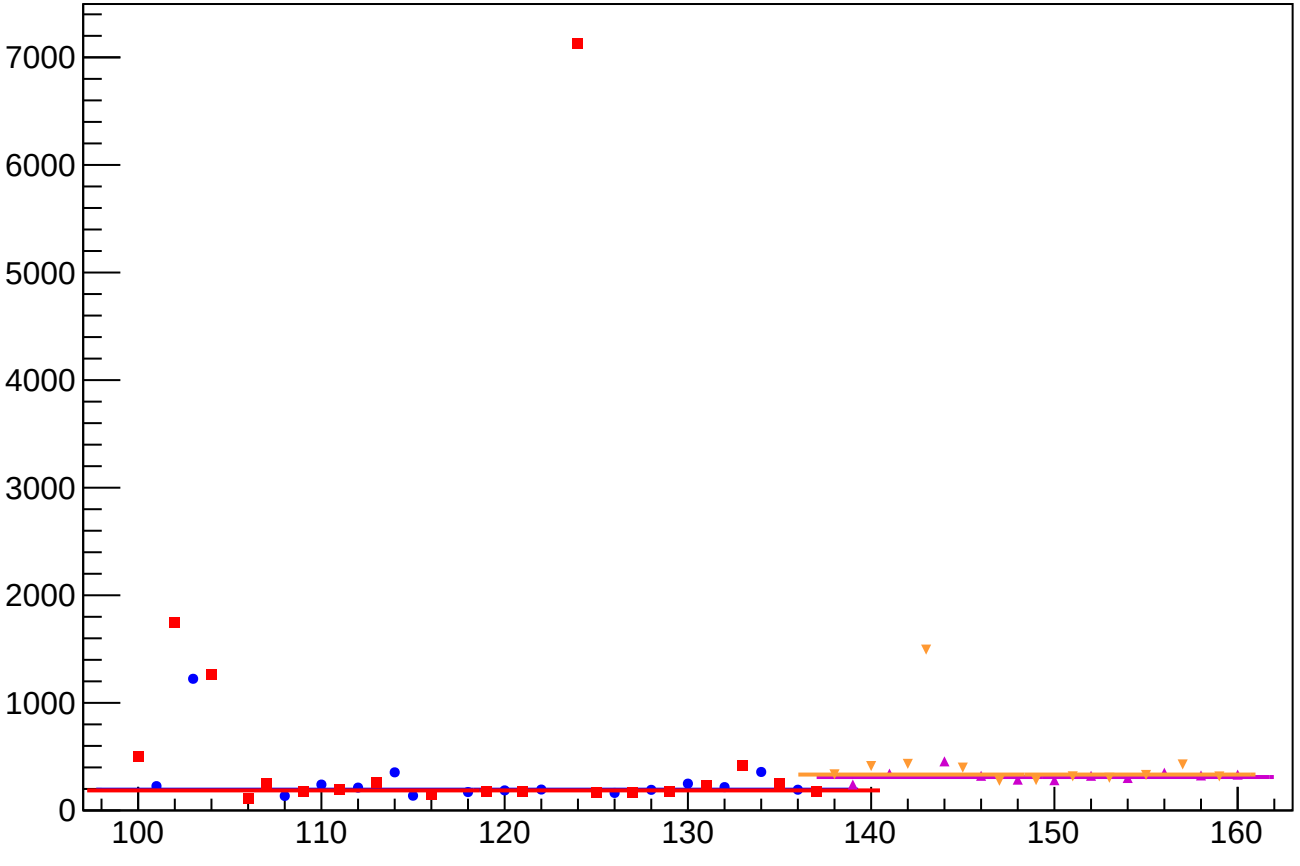
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.009+/-0.045 χ^2/NDF: 67.5/57

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 333.652+/-0.080 χ^2/NDF:1360484.9/11

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

Left: 321.054+/-0.054 χ^2/NDF: 1800785.7/22

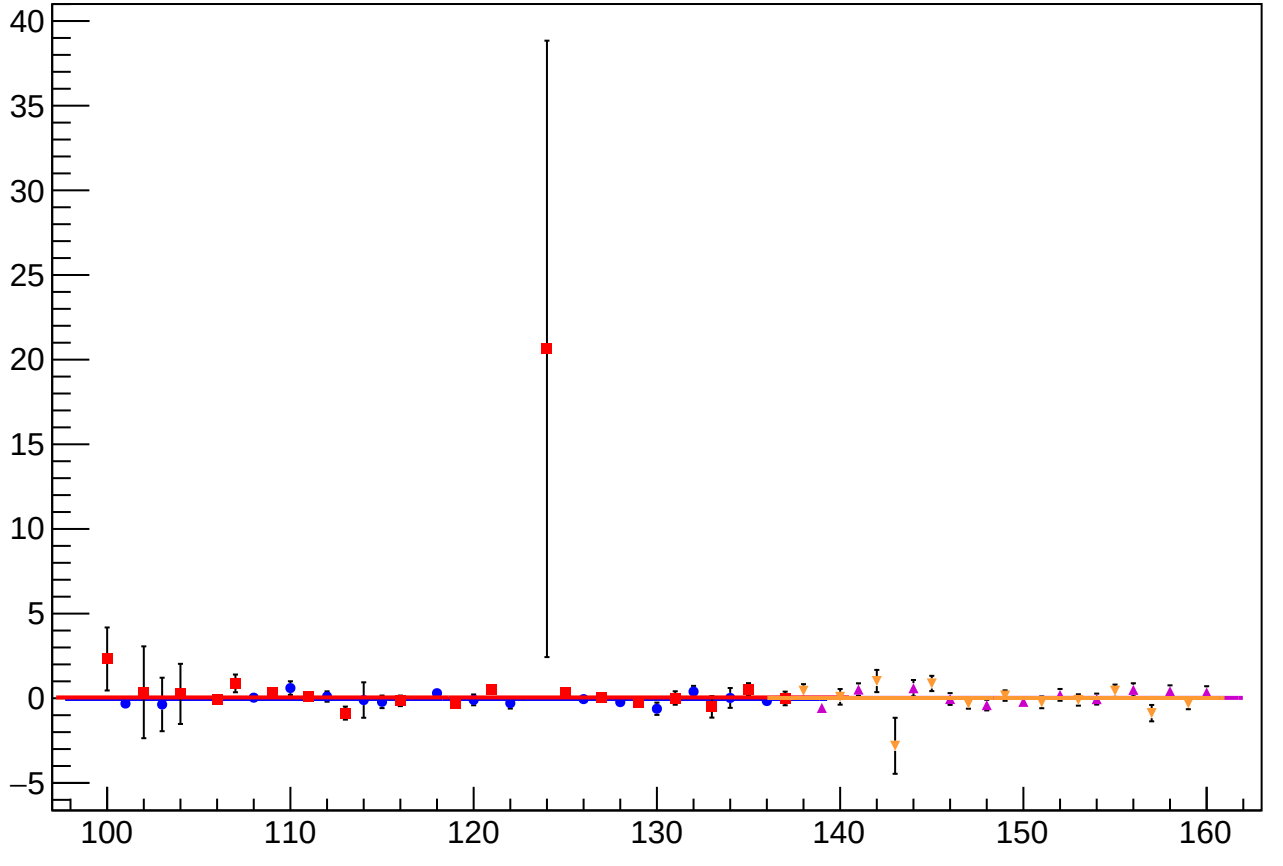
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.045+/-0.044 χ^2/NDF:3467681.3/26

Out: 234.212+/-0.046 χ^2/NDF:6109274.4/30

All: 235.168+/-0.032 χ^2/NDF: 9577792.7/57

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: 0.023+/-0.103 χ^2/NDF:14.3/10

Left: 0.020+/-0.076 χ^2/NDF: 32.0/22

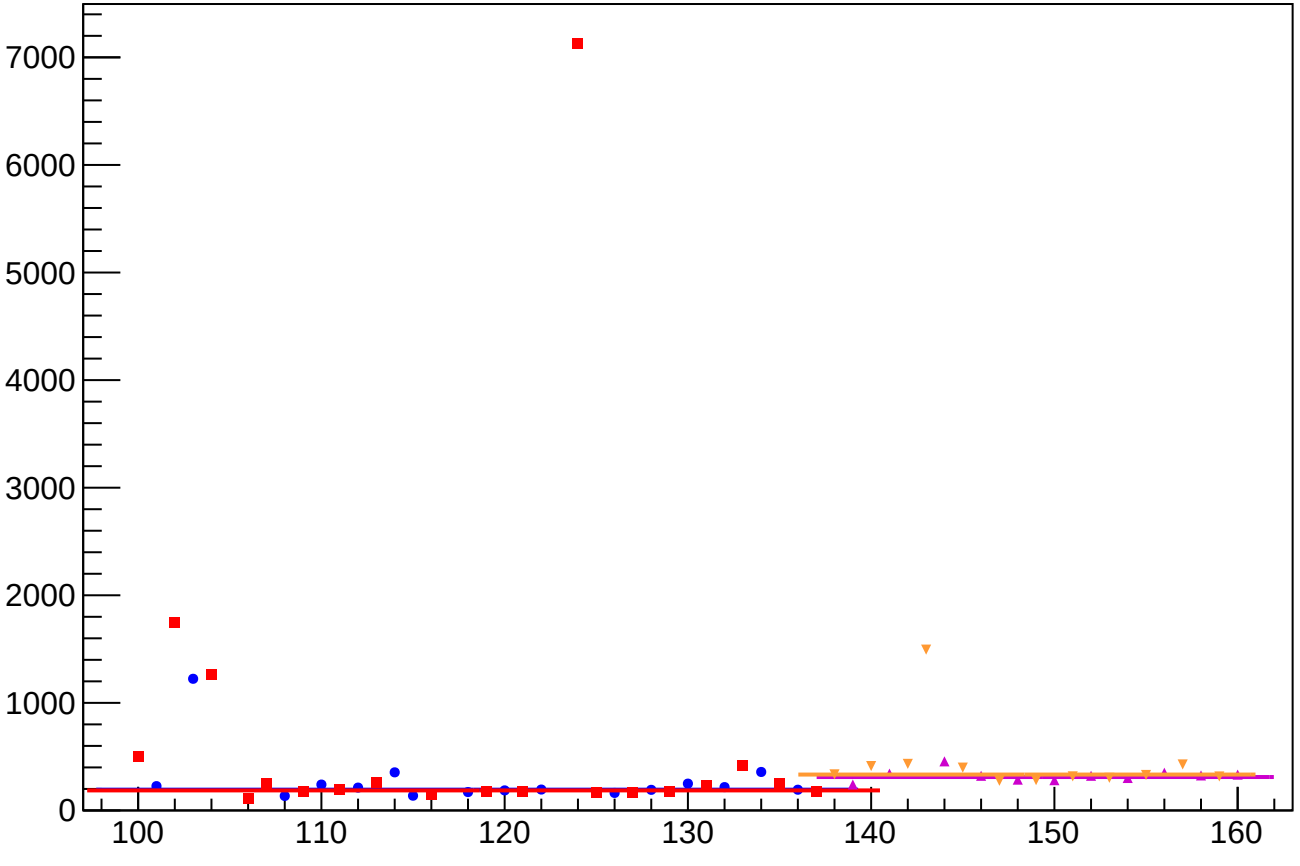
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.039+/-0.065 χ^2/NDF:40.8/30

All: 0.009+/-0.045 χ^2/NDF: 67.5/57

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: 310.753+/-0.073 χ^2/NDF:395594.5/10

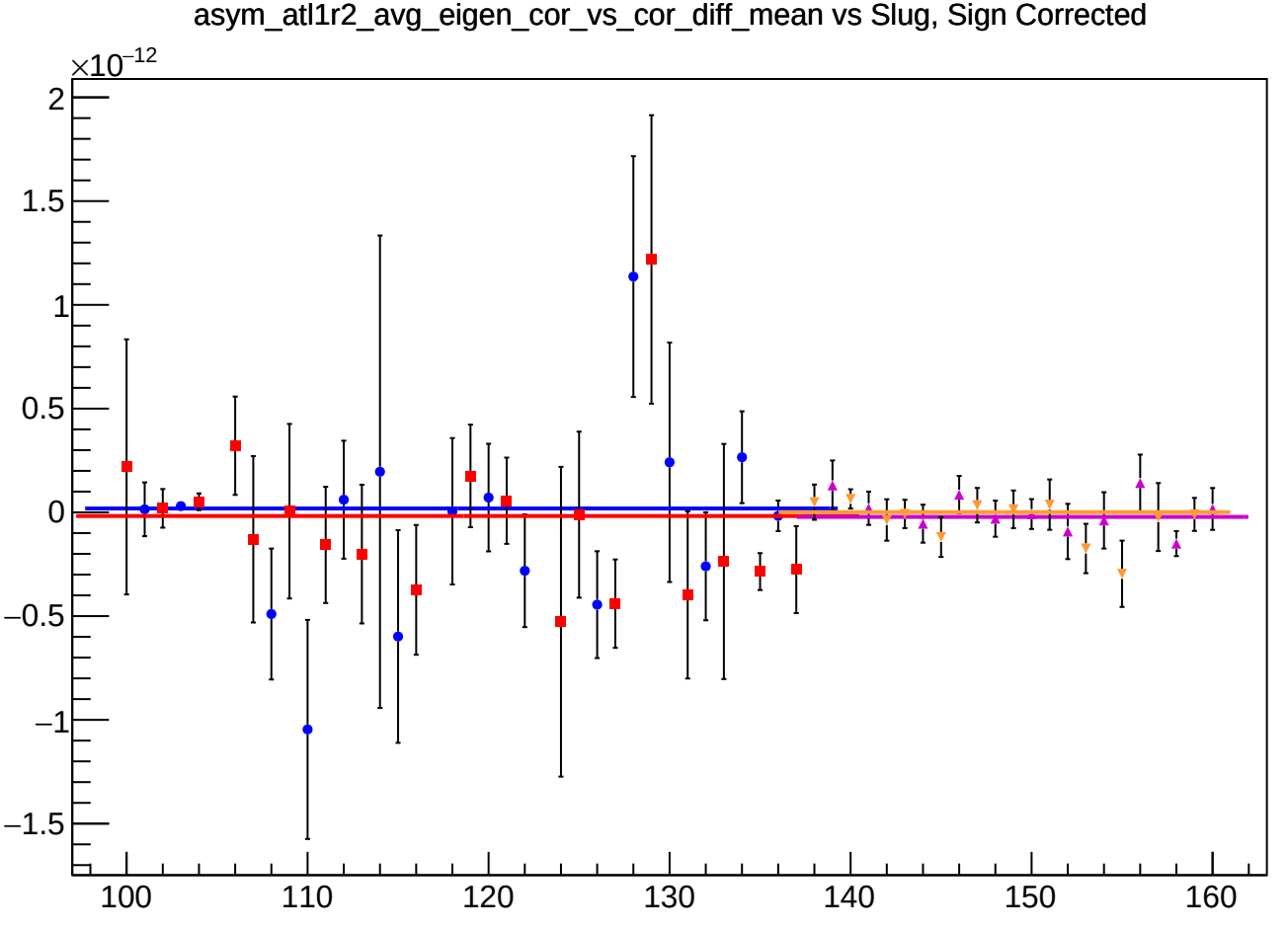
Left: 321.054+/-0.054 χ^2/NDF: 1800785.7/22

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.045+/-0.044 χ^2/NDF:3467681.3/26

Out: 234.212+/-0.046 χ^2/NDF:6109274.4/30

All: 235.168+/-0.032 χ^2/NDF: 9577792.7/57



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:9.9/10

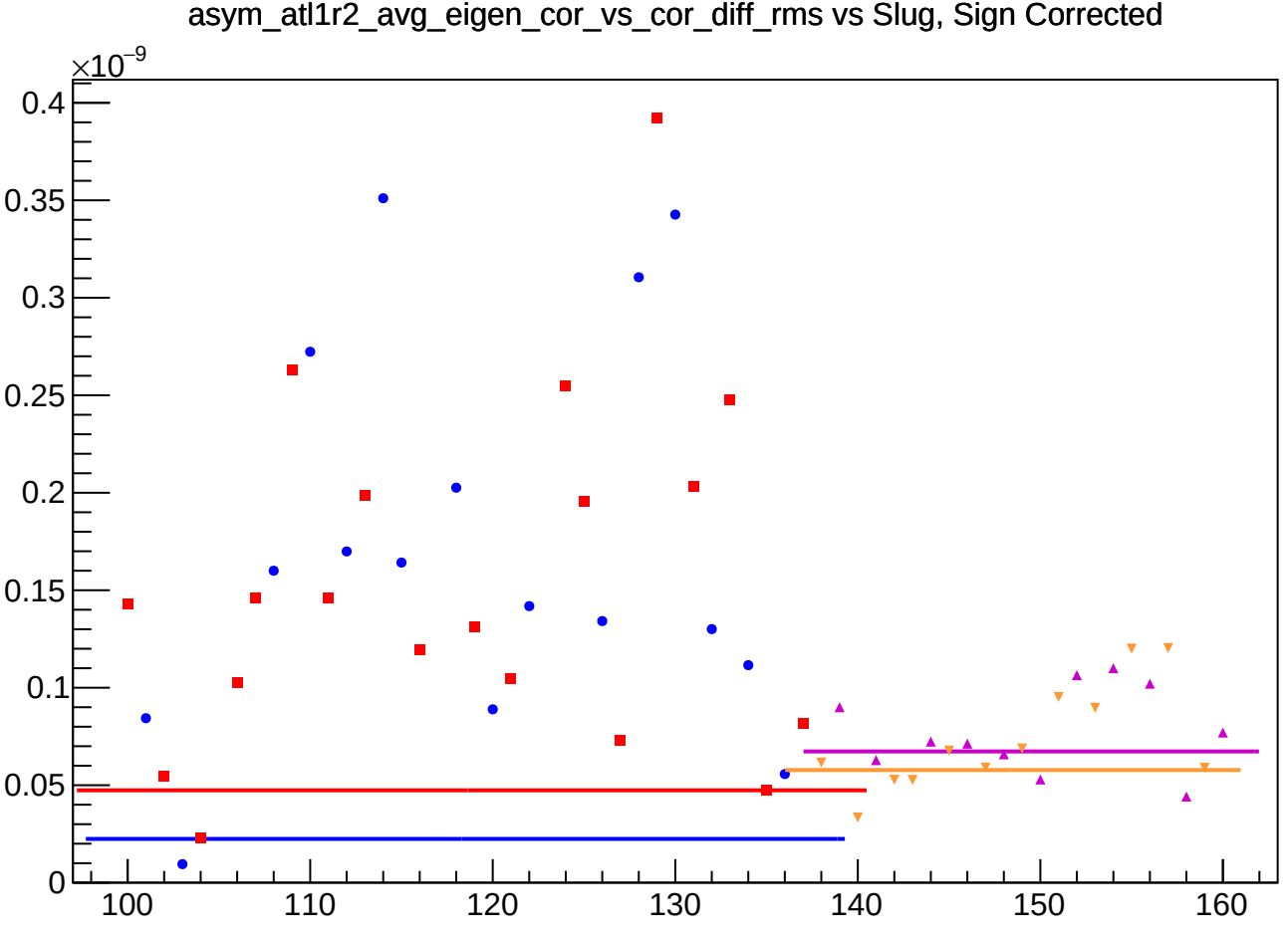
Left: -0.000+/-0.000 χ^2/NDF: 20.1/22

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/26

Out: -0.000+/-0.000 χ^2/NDF:37.2/30

All: -0.000+/-0.000 χ^2/NDF: 68.1/57



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:980557.4/10

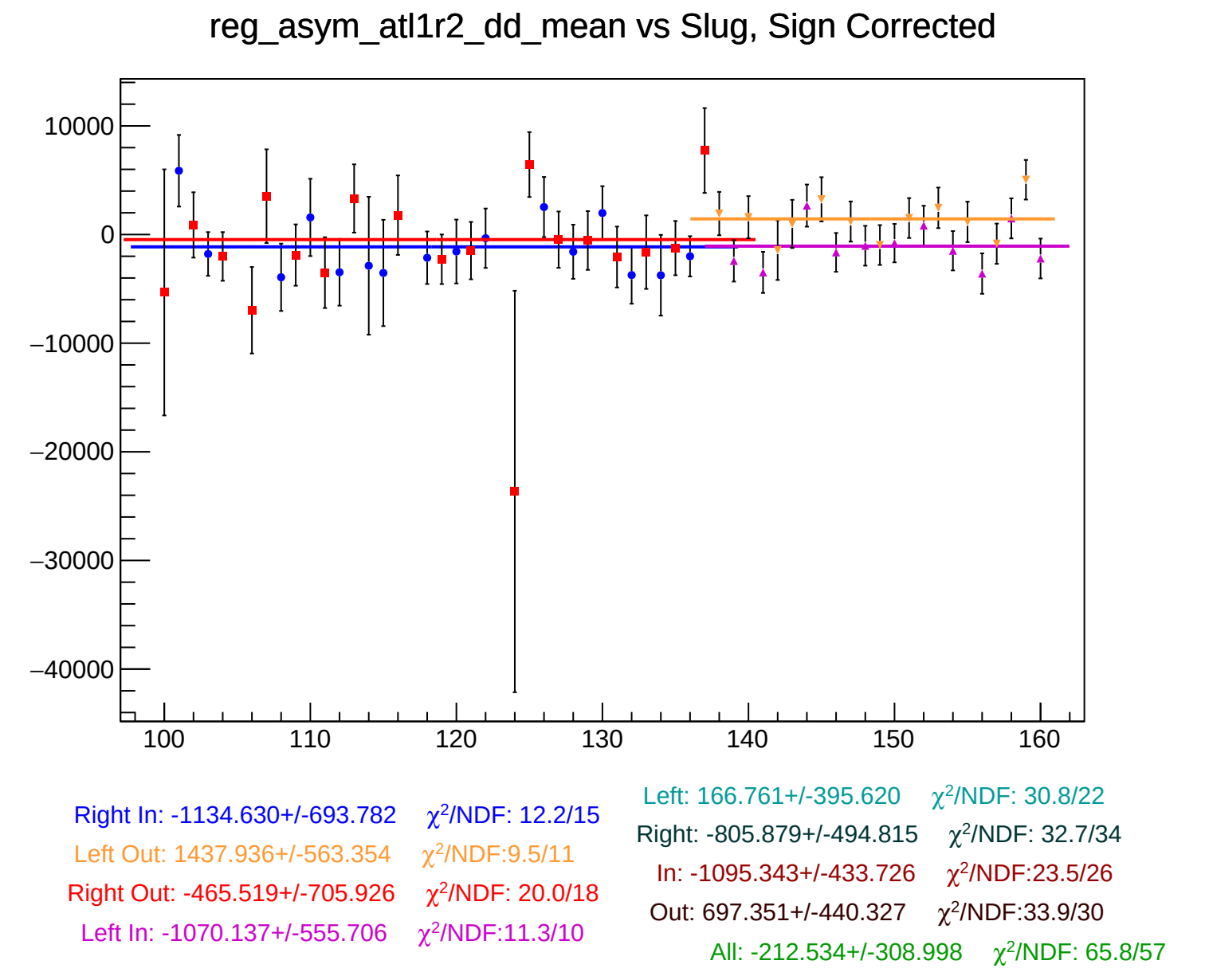
Left: 0.000+/-0.000 χ^2/NDF: 2667652.0/22

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

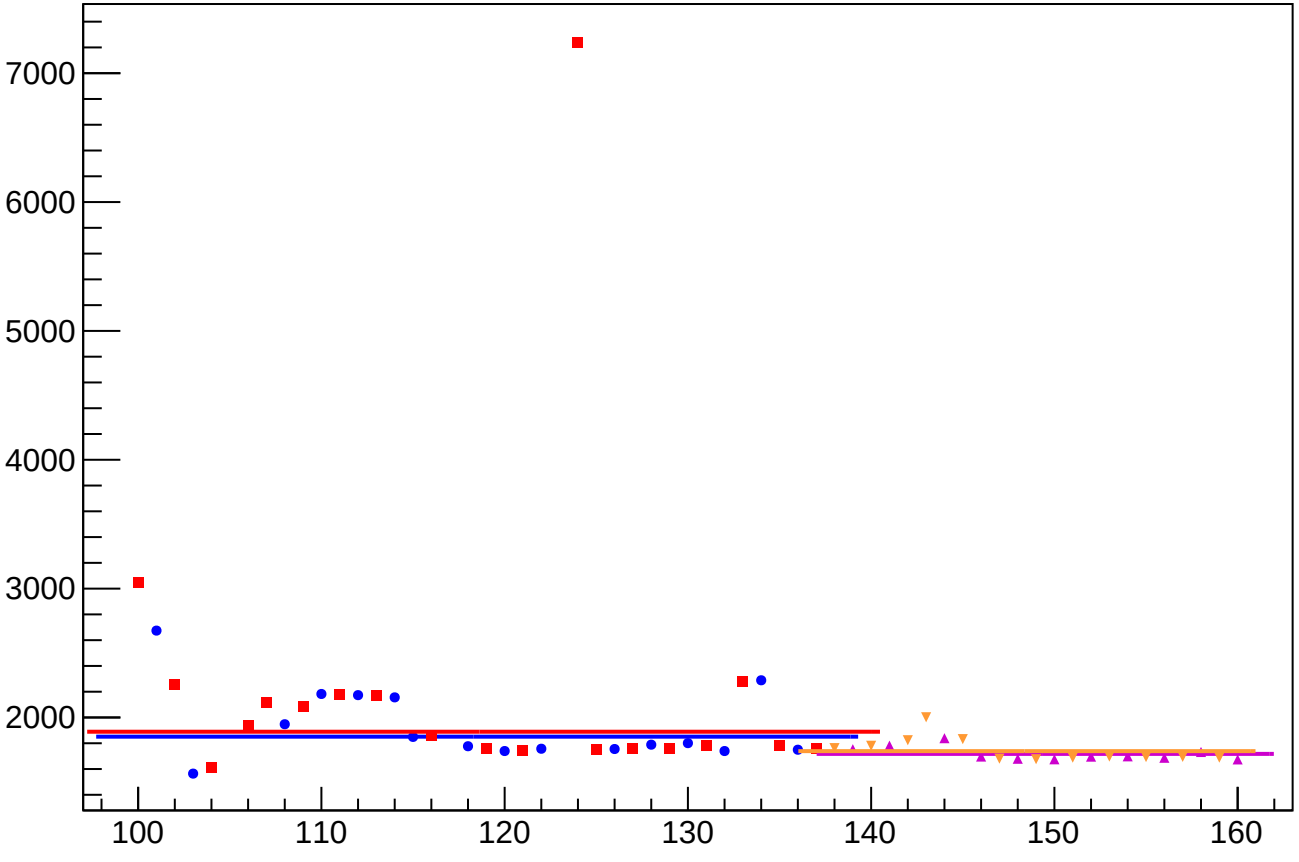
In: 0.000+/-0.000 χ^2/NDF:10812166.6/26

Out: 0.000+/-0.000 χ^2/NDF:5925619.1/30

All: 0.000+/-0.000 χ^2/NDF: 17455628.3/57


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 1437.936+/-563.354 χ²/NDF:9.5/11
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: -1070.137+/-555.706 χ²/NDF:11.3/10
Left: 166.761+/-395.620 χ²/NDF: 30.8/22
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -1095.343+/-433.726 χ²/NDF:23.5/26
Out: 697.351+/-440.327 χ²/NDF:33.9/30
All: -212.534+/-308.998 χ²/NDF: 65.8/57

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: 1717.484+/-0.393 χ^2/NDF:15407.3/10

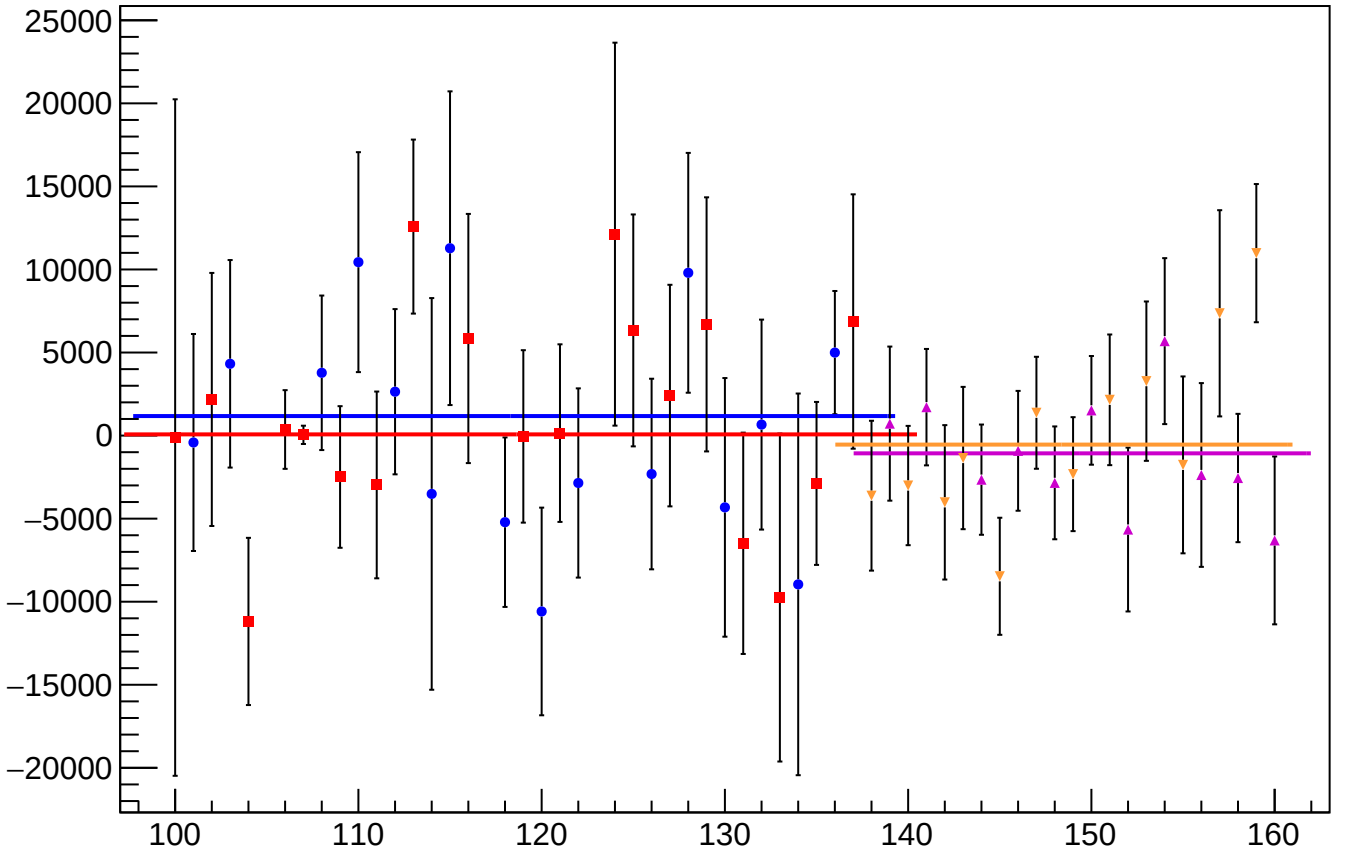
Left: 1727.973+/-0.280 χ^2/NDF: 63066.5/22

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1769.716+/-0.307 χ^2/NDF:320599.4/26

Out: 1797.582+/-0.311 χ^2/NDF:461013.5/30

All: 1783.451+/-0.218 χ^2/NDF: 785681.9/57



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: -1068.801+/-1198.852 χ^2/NDF:5.9/10

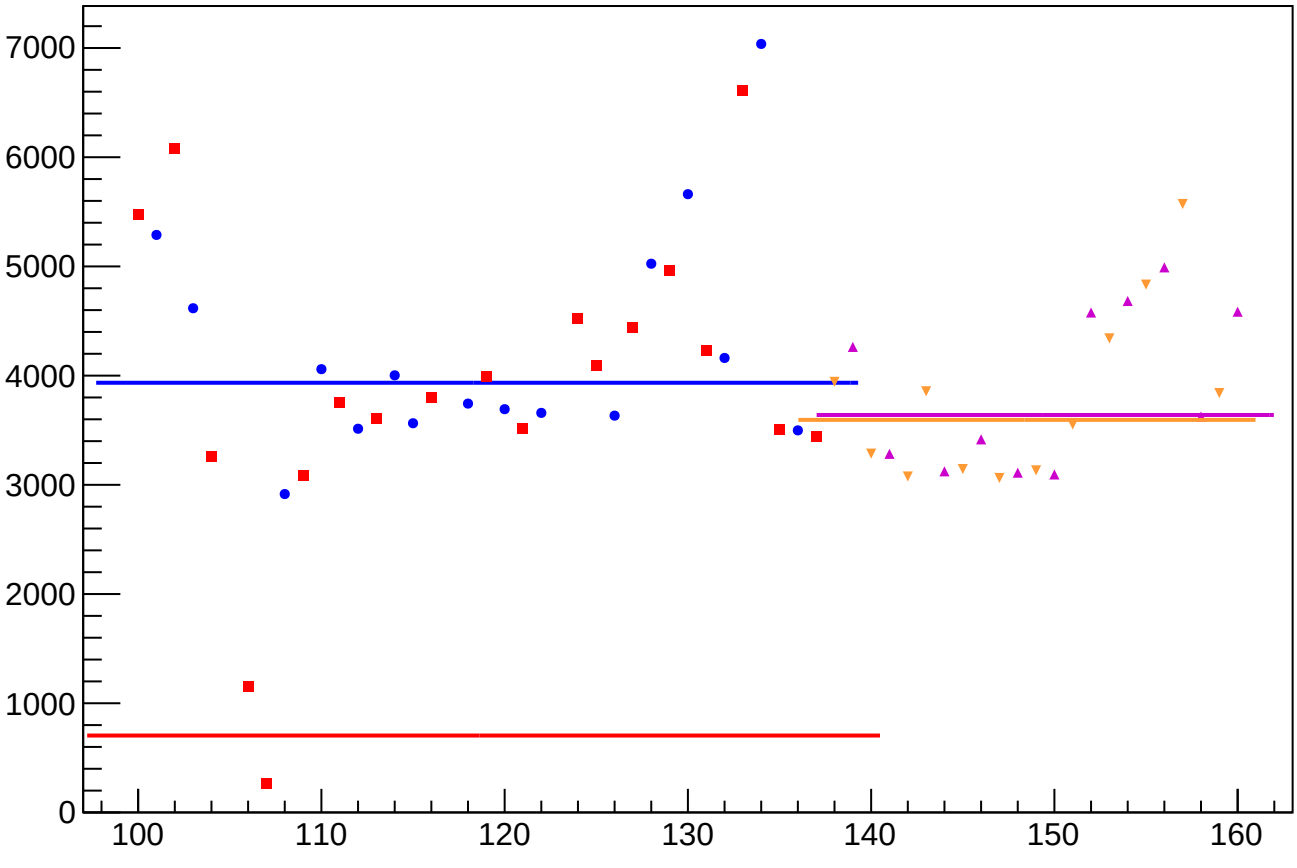
Left: -803.254+/-843.949 χ^2/NDF: 23.6/22

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -195.539+/-937.013 χ^2/NDF:21.0/26

Out: -21.632+/-465.309 χ^2/NDF:35.8/30

All: -56.034+/-416.752 χ^2/NDF: 56.8/57



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: 3639.651+/-0.848 χ^2/NDF:565757.2/10

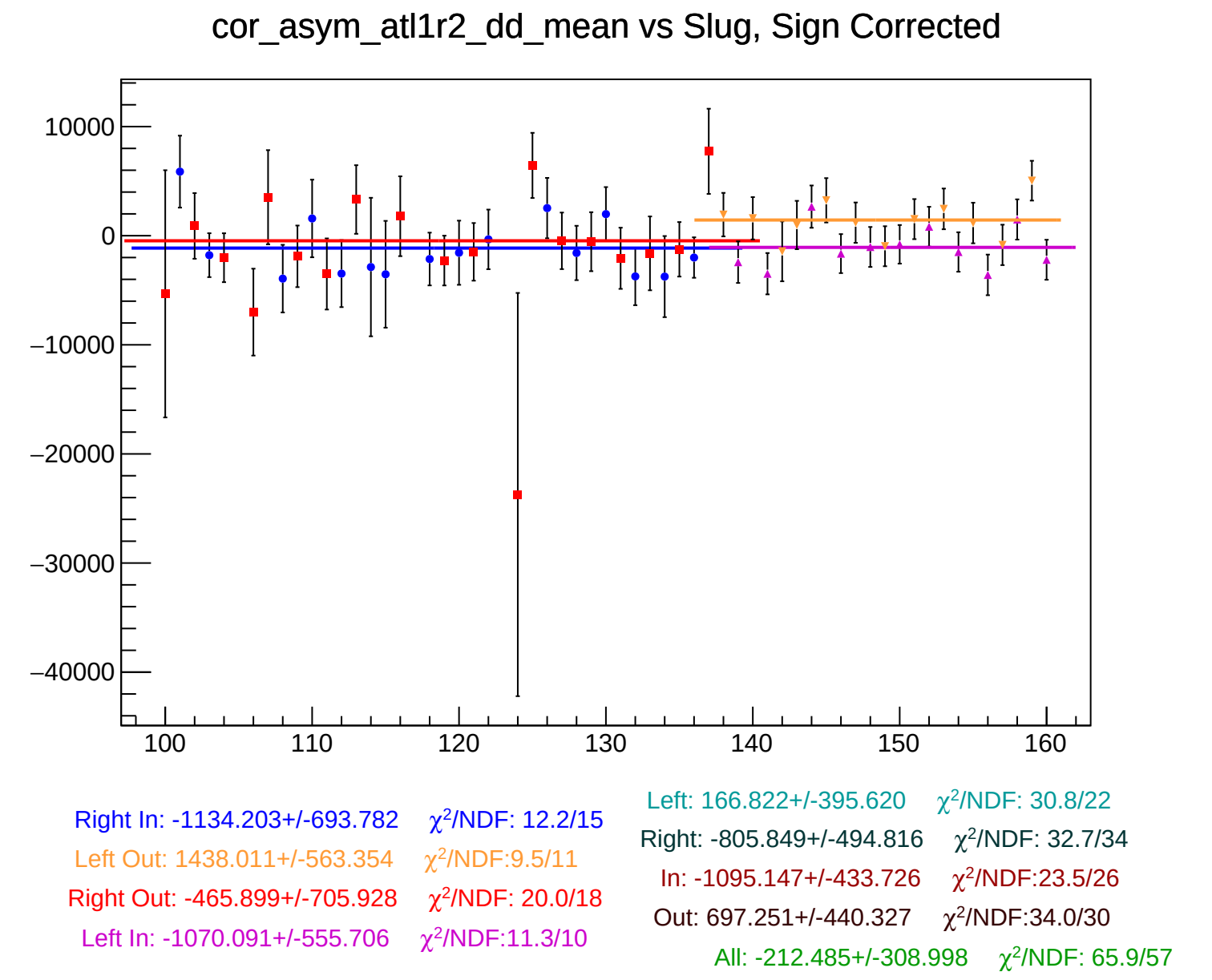
Left: 3616.971+/-0.597 χ^2/NDF: 1111846.5/22

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

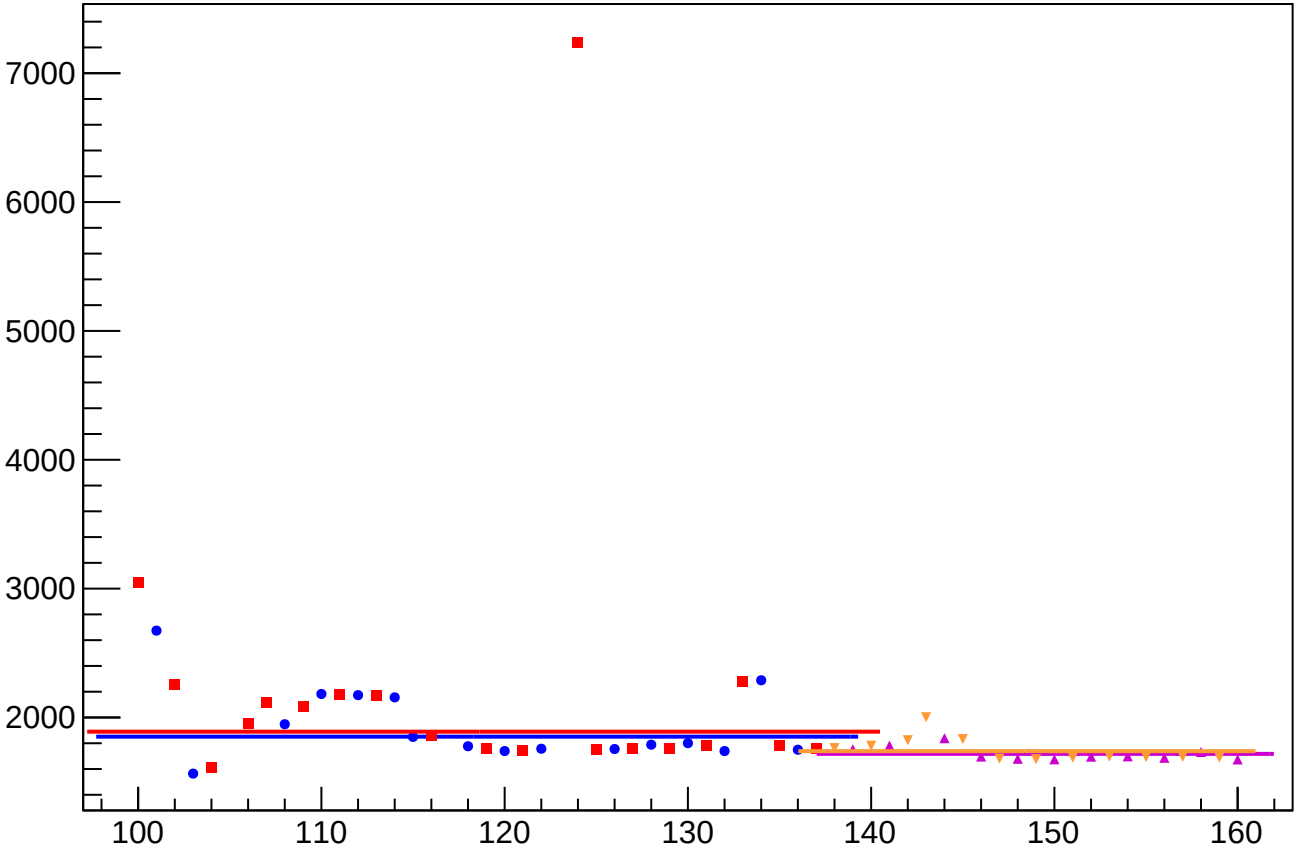
In: 3754.466+/-0.663 χ^2/NDF:1173025.8/26

Out: 1147.585+/-0.329 χ^2/NDF:21181727.6/30

All: 1663.272+/-0.295 χ^2/NDF: 34772828.9/5


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: -1070.091+/-555.706 χ²/NDF:11.3/10
Left: 166.822+/-395.620 χ²/NDF: 30.8/22
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1095.147+/-433.726 χ²/NDF:23.5/26
Out: 697.251+/-440.327 χ²/NDF:34.0/30
All: -212.485+/-308.998 χ²/NDF: 65.9/57

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: 1717.484+/-0.393 χ^2/NDF:15407.3/10

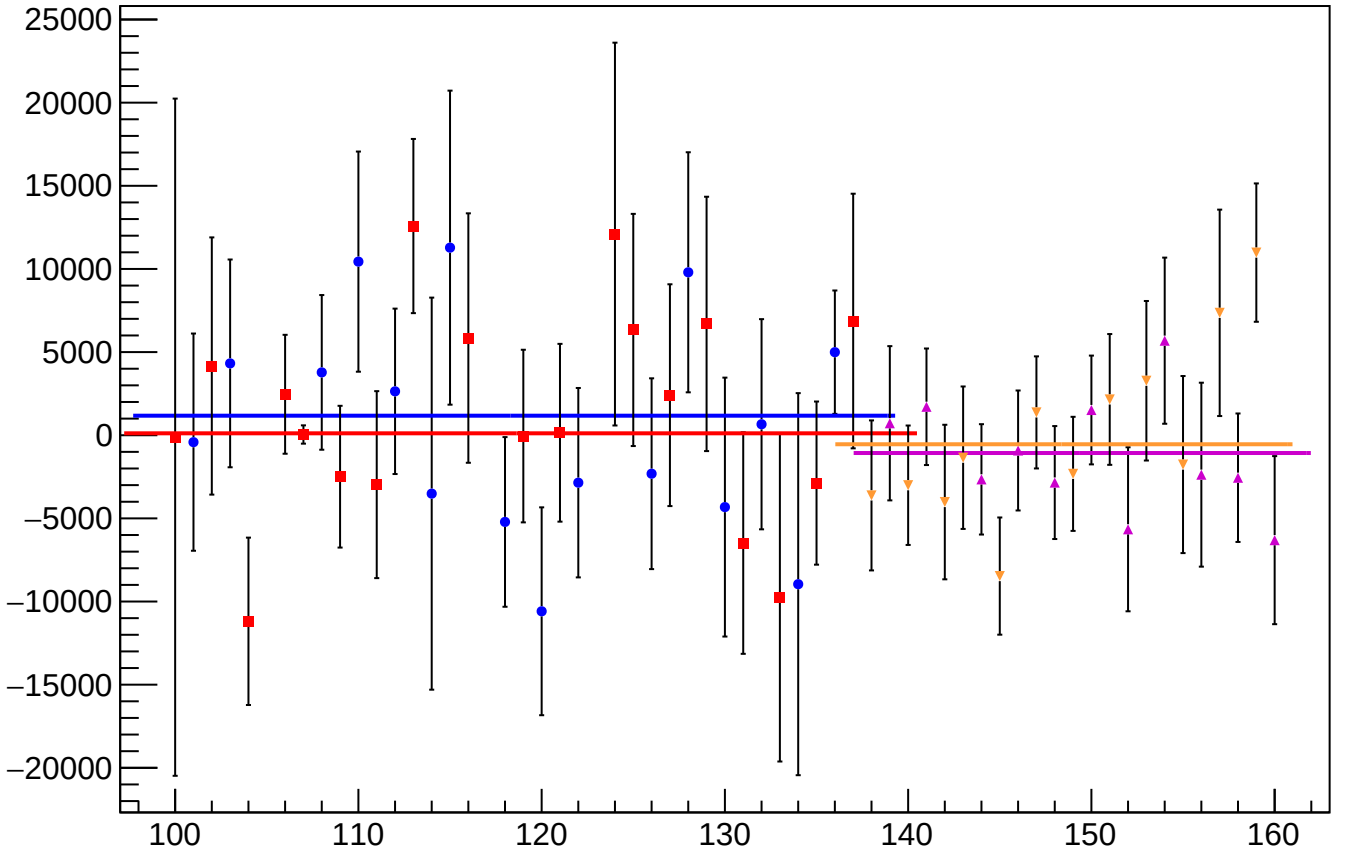
Left: 1727.973+/-0.280 χ^2/NDF: 63066.5/22

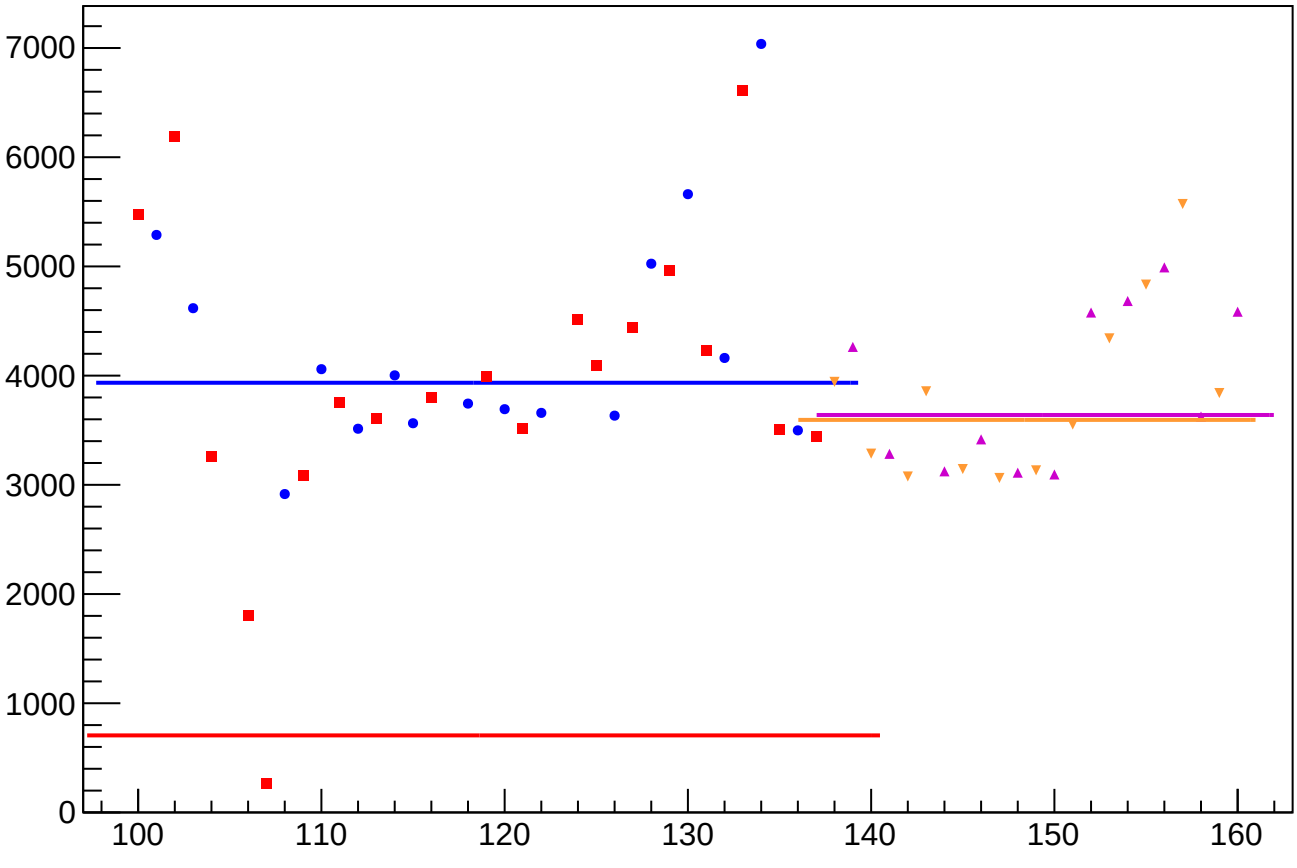
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1769.717+/-0.307 χ^2/NDF:320598.8/26

Out: 1797.744+/-0.311 χ^2/NDF:461558.0/30

All: 1783.530+/-0.218 χ^2/NDF: 786273.0/57


asym_atl1r2_dd_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: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -542.397+/-1188.263 χ²/NDF:17.6/11
Right Out: 115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -1068.815+/-1198.852 χ²/NDF:5.9/10
Left: -803.271+/-843.948 χ²/NDF: 23.6/22
Right: 226.306+/-484.867 χ²/NDF: 32.7/34
In: -195.560+/-937.014 χ²/NDF:21.0/26
Out: 12.735+/-470.432 χ²/NDF:36.5/30
All: -29.198+/-420.421 χ²/NDF: 57.5/57



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: 3639.652+/-0.848 χ^2/NDF:565746.7/10

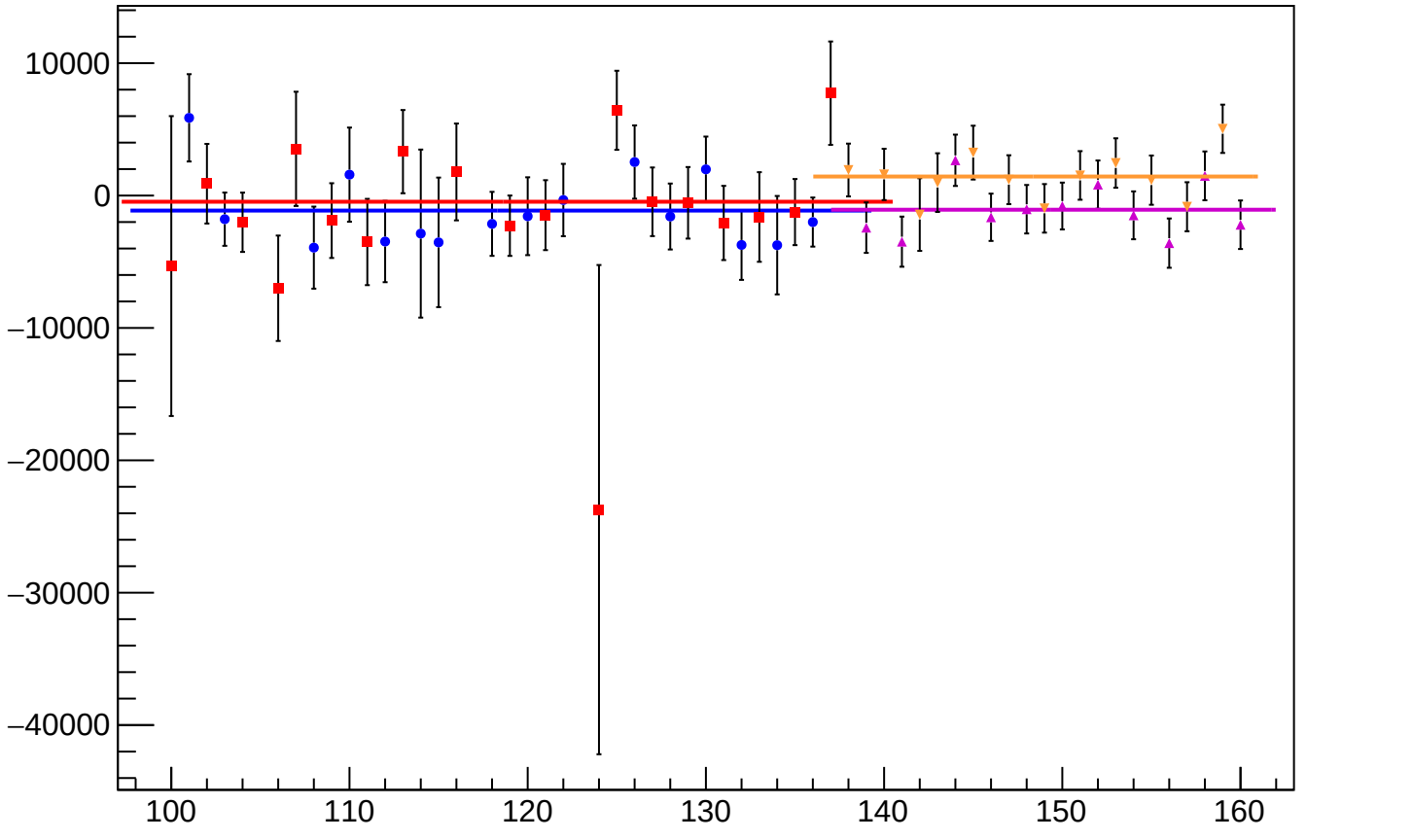
Left: 3616.966+/-0.597 χ^2/NDF: 1111841.4/22

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3754.469+/-0.663 χ^2/NDF:1173041.8/26

Out: 1158.440+/-0.333 χ^2/NDF:21261567.3/30

All: 1681.060+/-0.297 χ^2/NDF: 34695787.0/5



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: -1070.091+/-555.706 χ^2/NDF:11.3/10

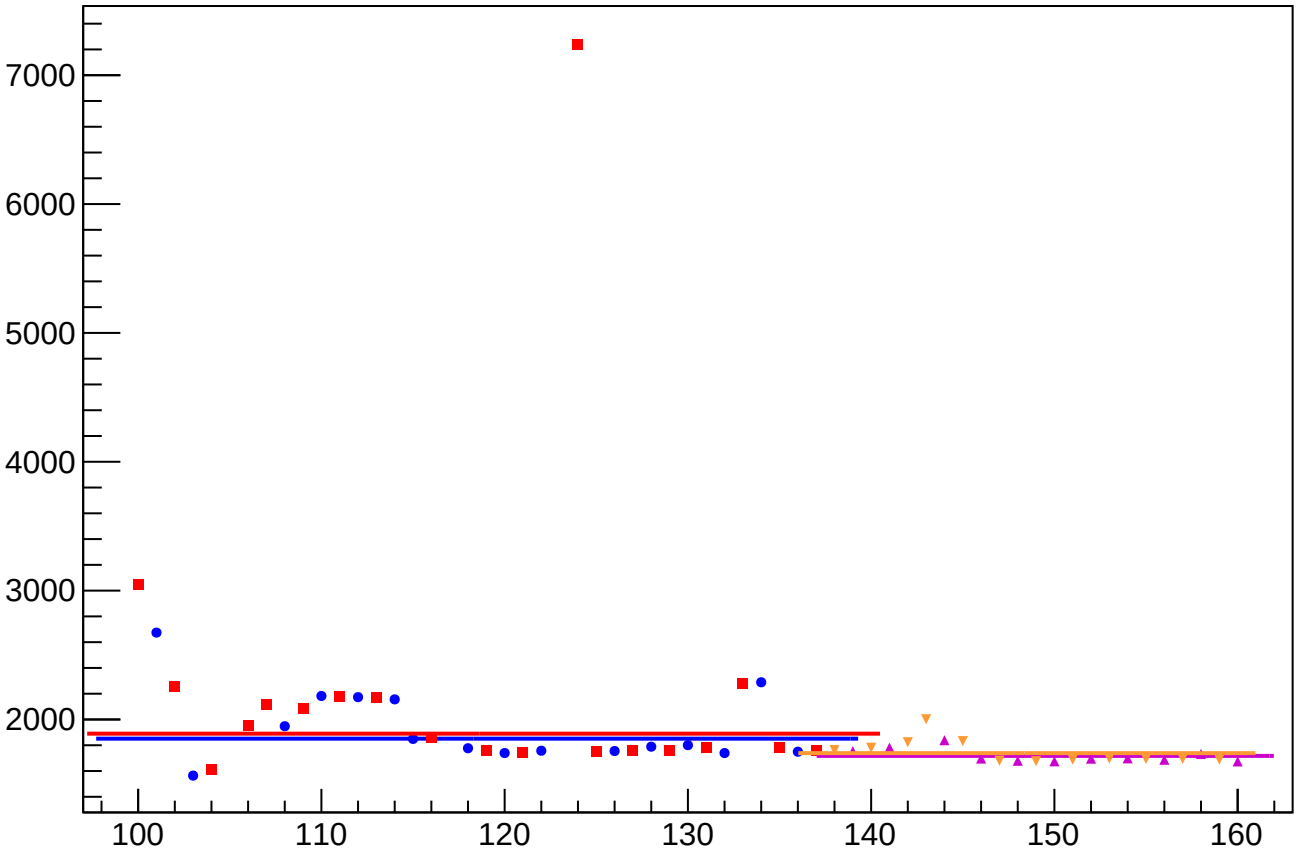
Left: 166.822+/-395.620 χ^2/NDF: 30.8/22

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1095.147+/-433.726 χ^2/NDF:23.5/26

Out: 697.251+/-440.327 χ^2/NDF:34.0/30

All: -212.485+/-308.998 χ^2/NDF: 65.9/57



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: 1717.484+/-0.393 χ^2/NDF:15407.3/10

Left: 1727.973+/-0.280 χ^2/NDF: 63066.5/22

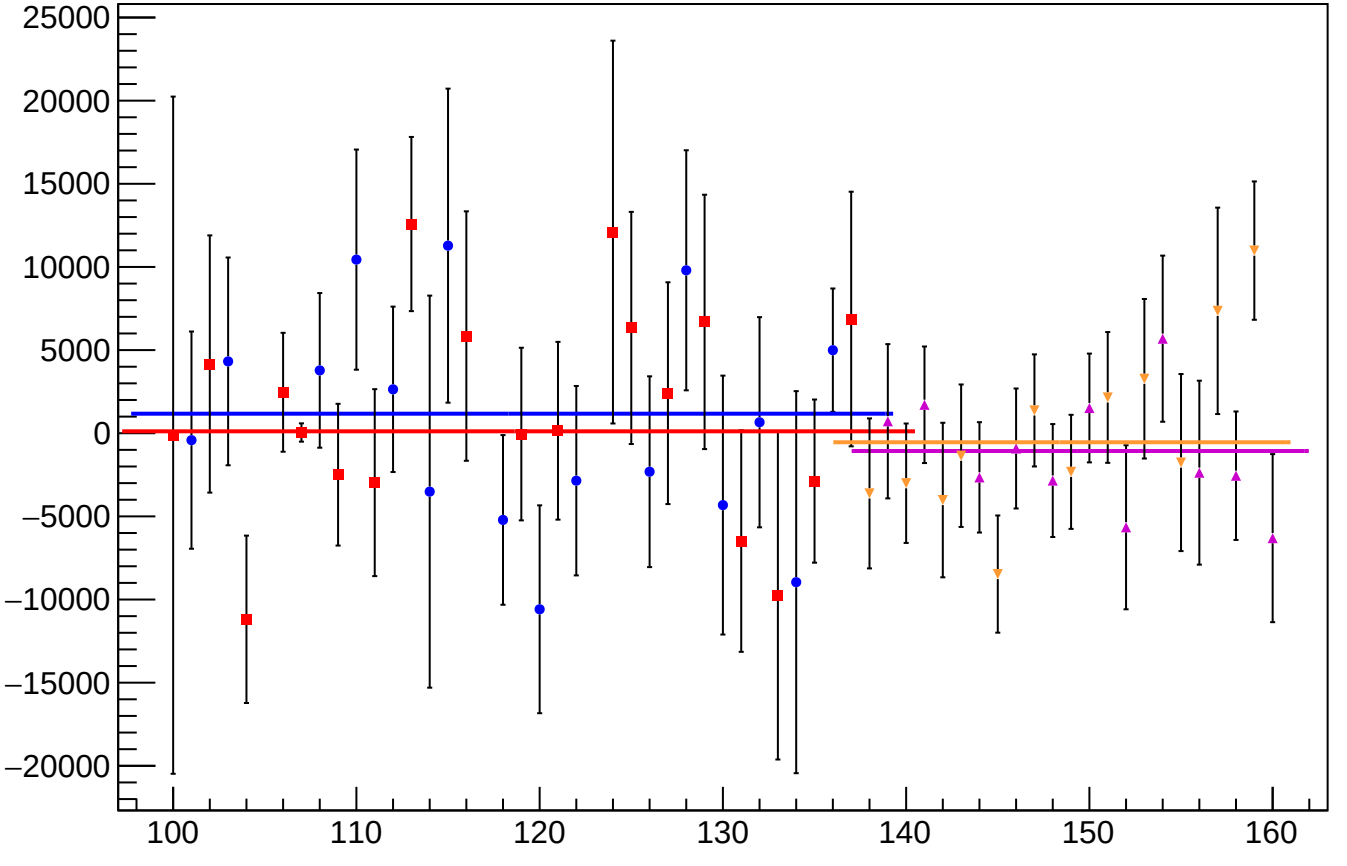
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1769.717+/-0.307 χ^2/NDF:320598.8/26

Out: 1797.744+/-0.311 χ^2/NDF:461558.0/30

All: 1783.530+/-0.218 χ^2/NDF: 786273.0/57

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: -1068.815+/-1198.852 χ^2/NDF:5.9/10

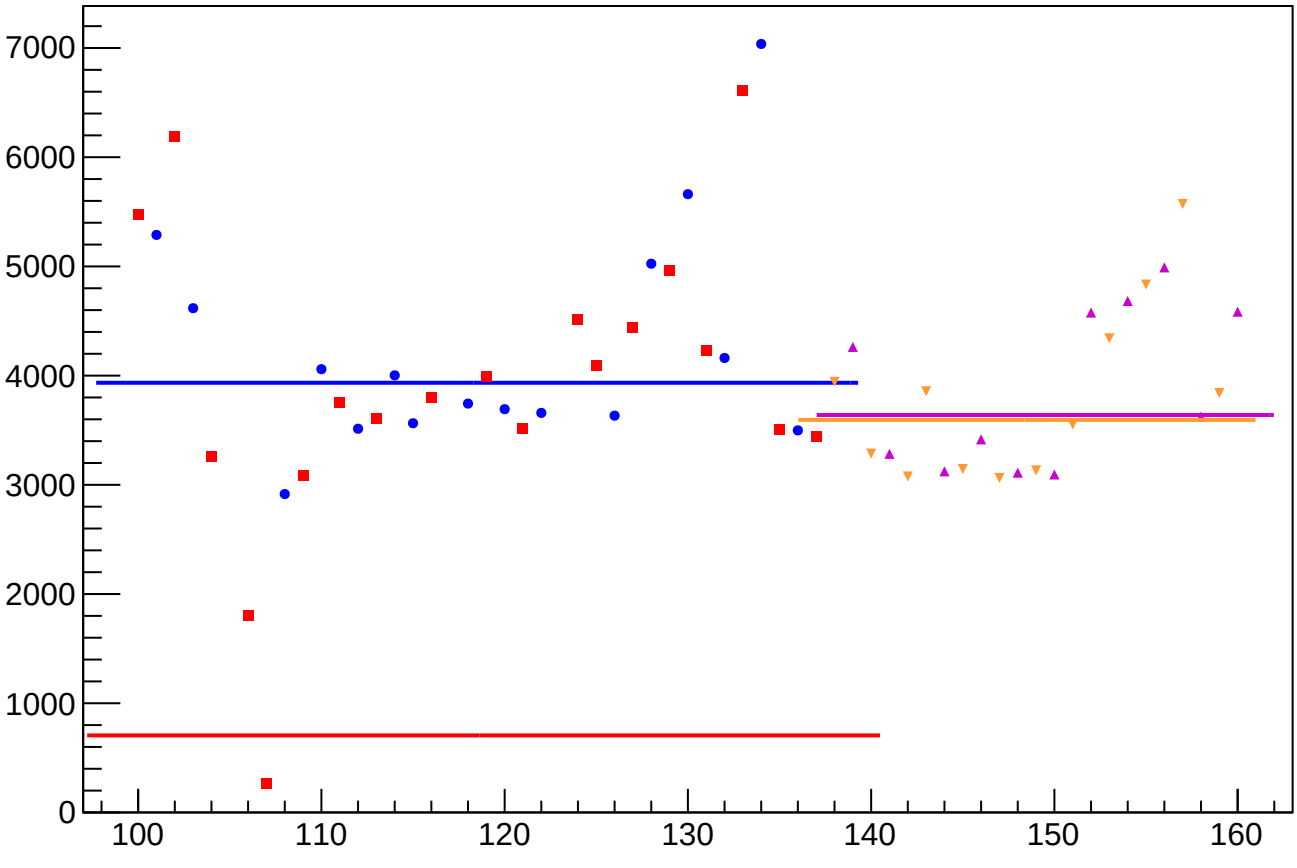
Left: -803.271+/-843.948 χ^2/NDF: 23.6/22

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -195.560+/-937.014 χ^2/NDF:21.0/26

Out: 12.735+/-470.432 χ^2/NDF:36.5/30

All: -29.198+/-420.421 χ^2/NDF: 57.5/57



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: 3639.652+/-0.848 χ^2/NDF:565746.7/10

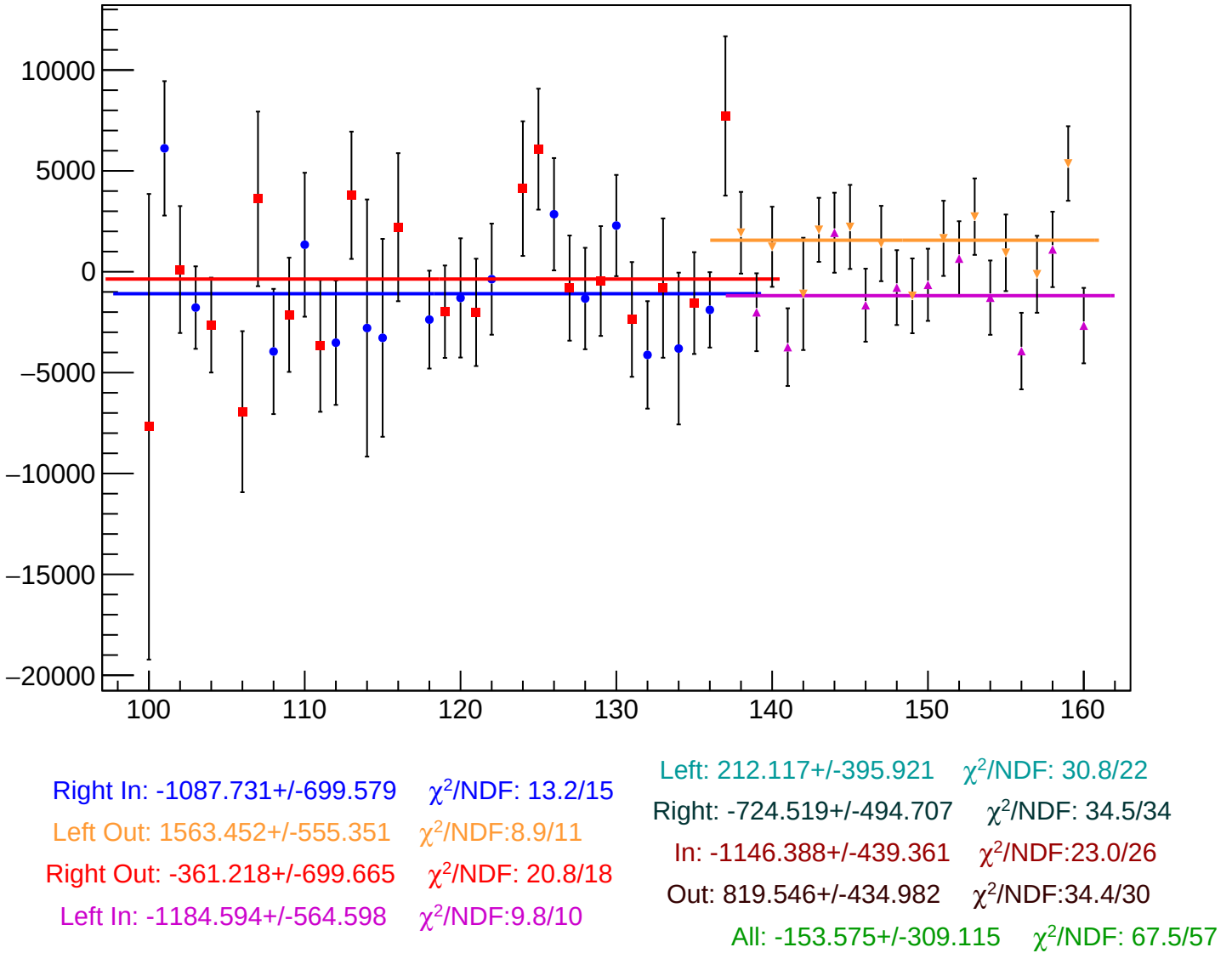
Left: 3616.966+/-0.597 χ^2/NDF: 1111841.4/22

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

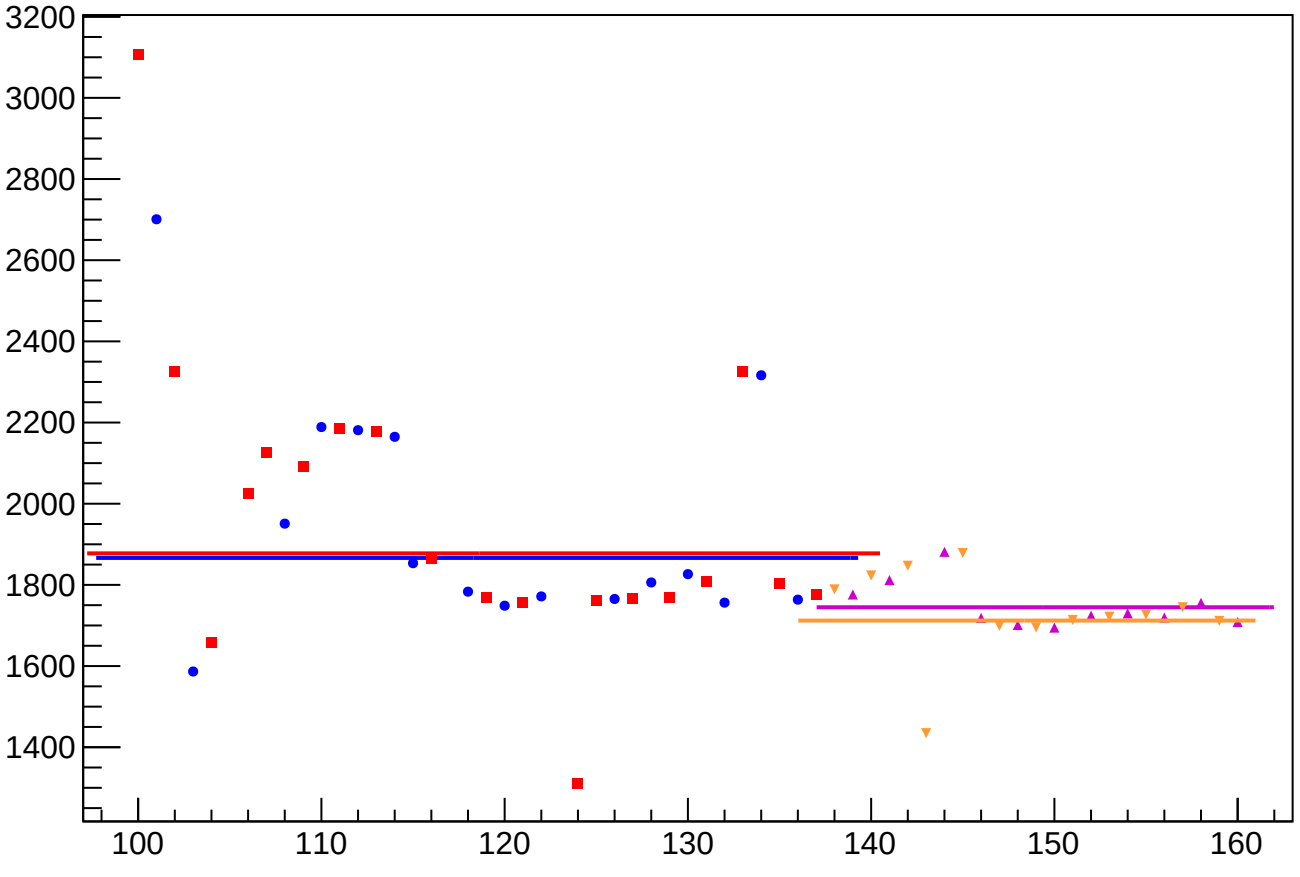
In: 3754.469+/-0.663 χ^2/NDF:1173041.8/26

Out: 1158.440+/-0.333 χ^2/NDF:21261567.3/30

All: 1681.060+/-0.297 χ^2/NDF: 34695787.0/5


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 1563.452+/-555.351 χ²/NDF:8.9/11
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -1184.594+/-564.598 χ²/NDF:9.8/10
Left: 212.117+/-395.921 χ²/NDF: 30.8/22
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1146.388+/-439.361 χ²/NDF:23.0/26
Out: 819.546+/-434.982 χ²/NDF:34.4/30
All: -153.575+/-309.115 χ²/NDF: 67.5/57

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: 1744.865+/-0.399 χ^2/NDF:17113.7/10

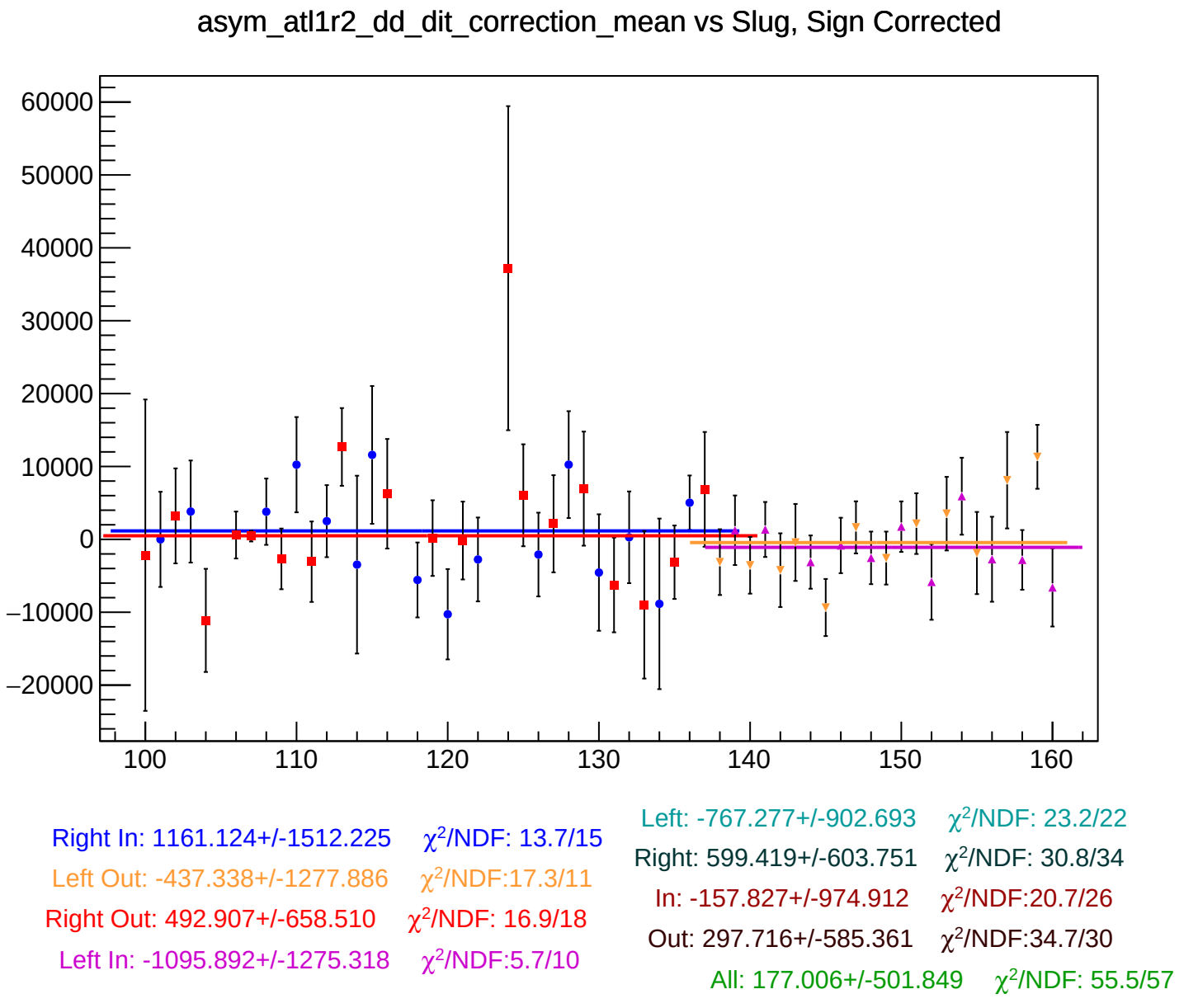
Left: 1728.200+/-0.280 χ^2/NDF: 109253.0/22

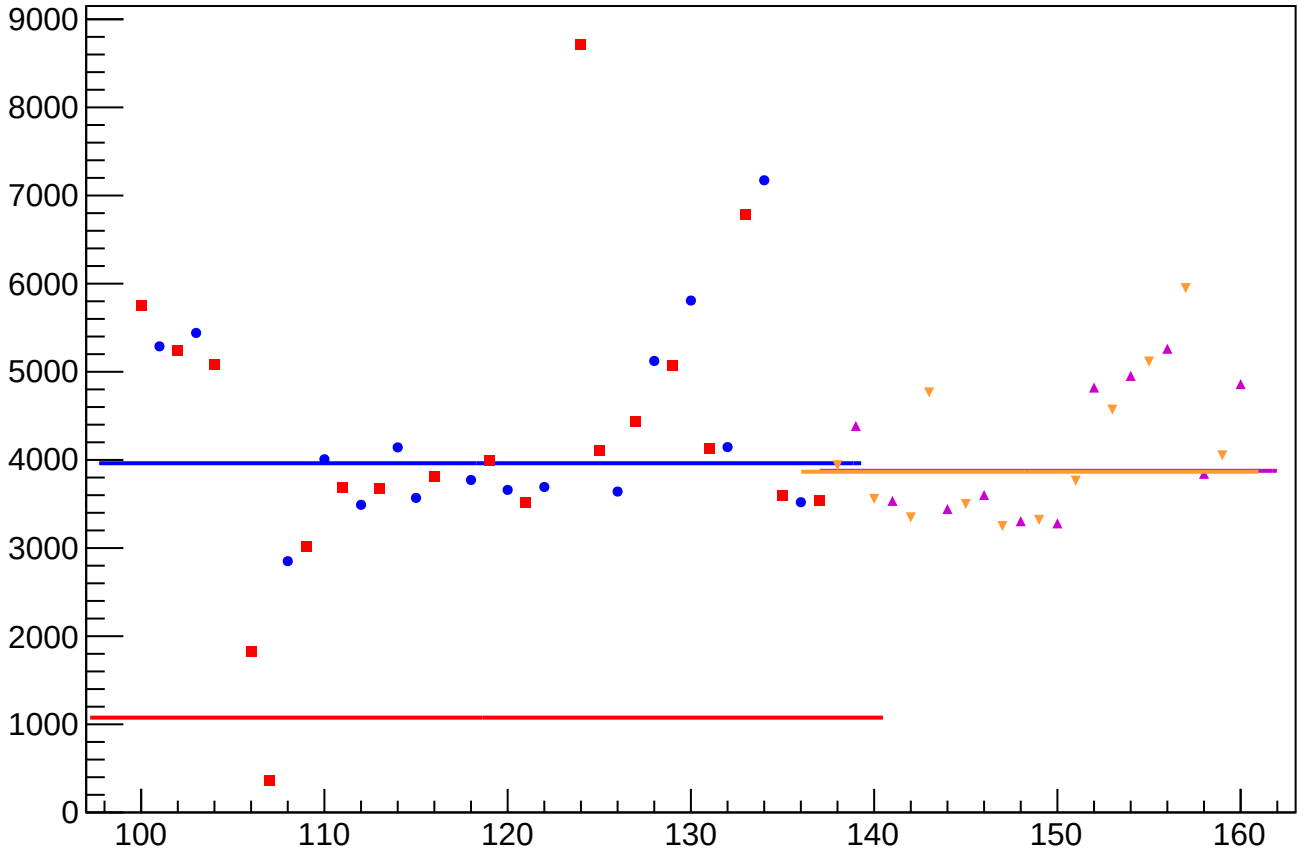
Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1792.824+/-0.311 χ^2/NDF:309963.0/26

Out: 1776.141+/-0.307 χ^2/NDF:409351.8/30

All: 1784.396+/-0.219 χ^2/NDF: 720771.5/57


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: -1095.892+/-1275.318 χ²/NDF:5.7/10
Left: -767.277+/-902.693 χ²/NDF: 23.2/22
Right: 599.419+/-603.751 χ²/NDF: 30.8/34
In: -157.827+/-974.912 χ²/NDF:20.7/26
Out: 297.716+/-585.361 χ²/NDF:34.7/30
All: 177.006+/-501.849 χ²/NDF: 55.5/57



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: 3876.578+/-0.902 χ^2/NDF:516514.2/10

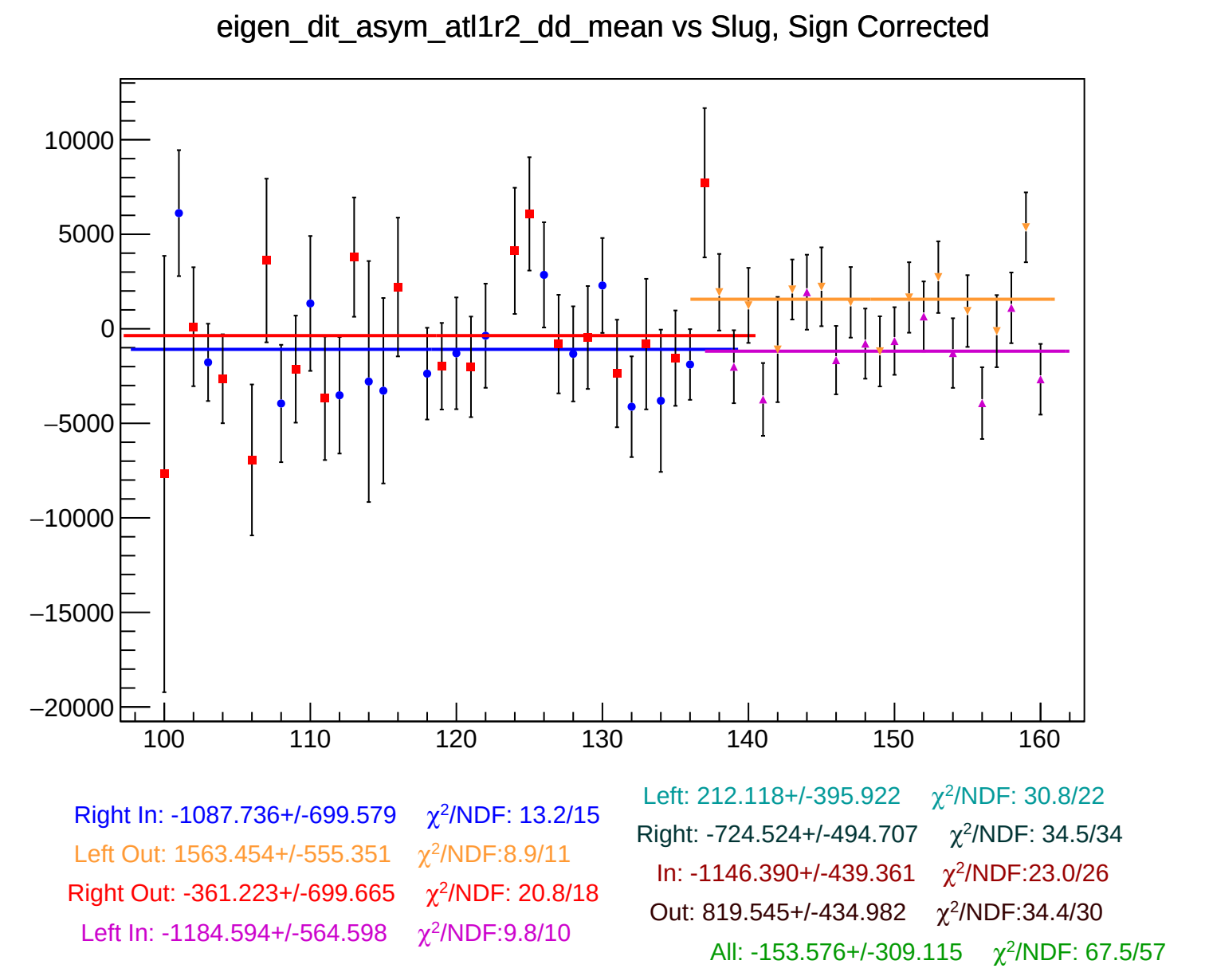
Left: 3871.282+/-0.638 χ^2/NDF: 1071251.6/22

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

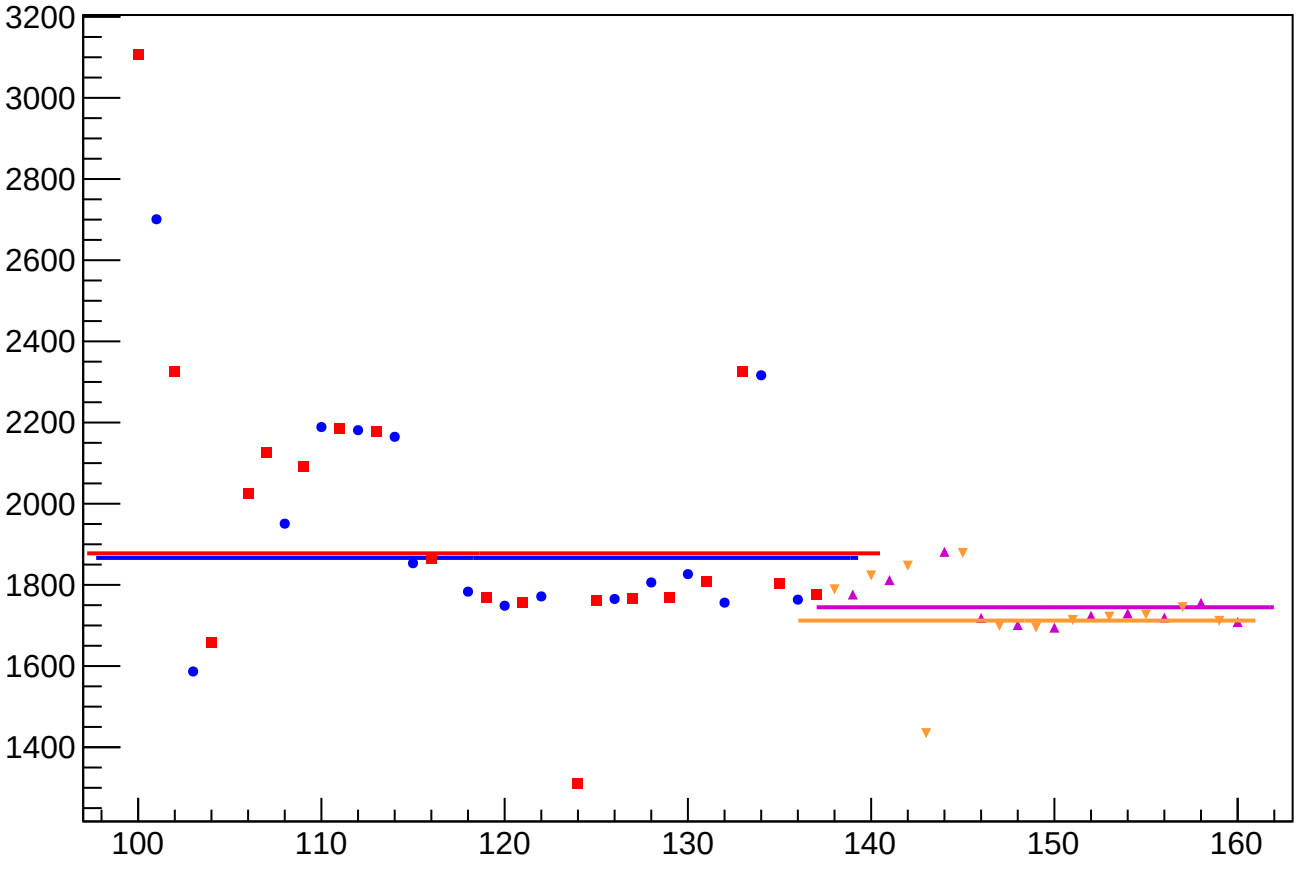
In: 3912.234+/-0.689 χ^2/NDF:1188615.3/26

Out: 1661.378+/-0.414 χ^2/NDF:17646226.0/30

All: 2257.812+/-0.355 χ^2/NDF: 26670811.8/5


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 1563.454+/-555.351 χ²/NDF:8.9/11
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -1184.594+/-564.598 χ²/NDF:9.8/10
Left: 212.118+/-395.922 χ²/NDF: 30.8/22
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1146.390+/-439.361 χ²/NDF:23.0/26
Out: 819.545+/-434.982 χ²/NDF:34.4/30
All: -153.576+/-309.115 χ²/NDF: 67.5/57

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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: 1744.865+/-0.399 χ^2/NDF:17113.6/10

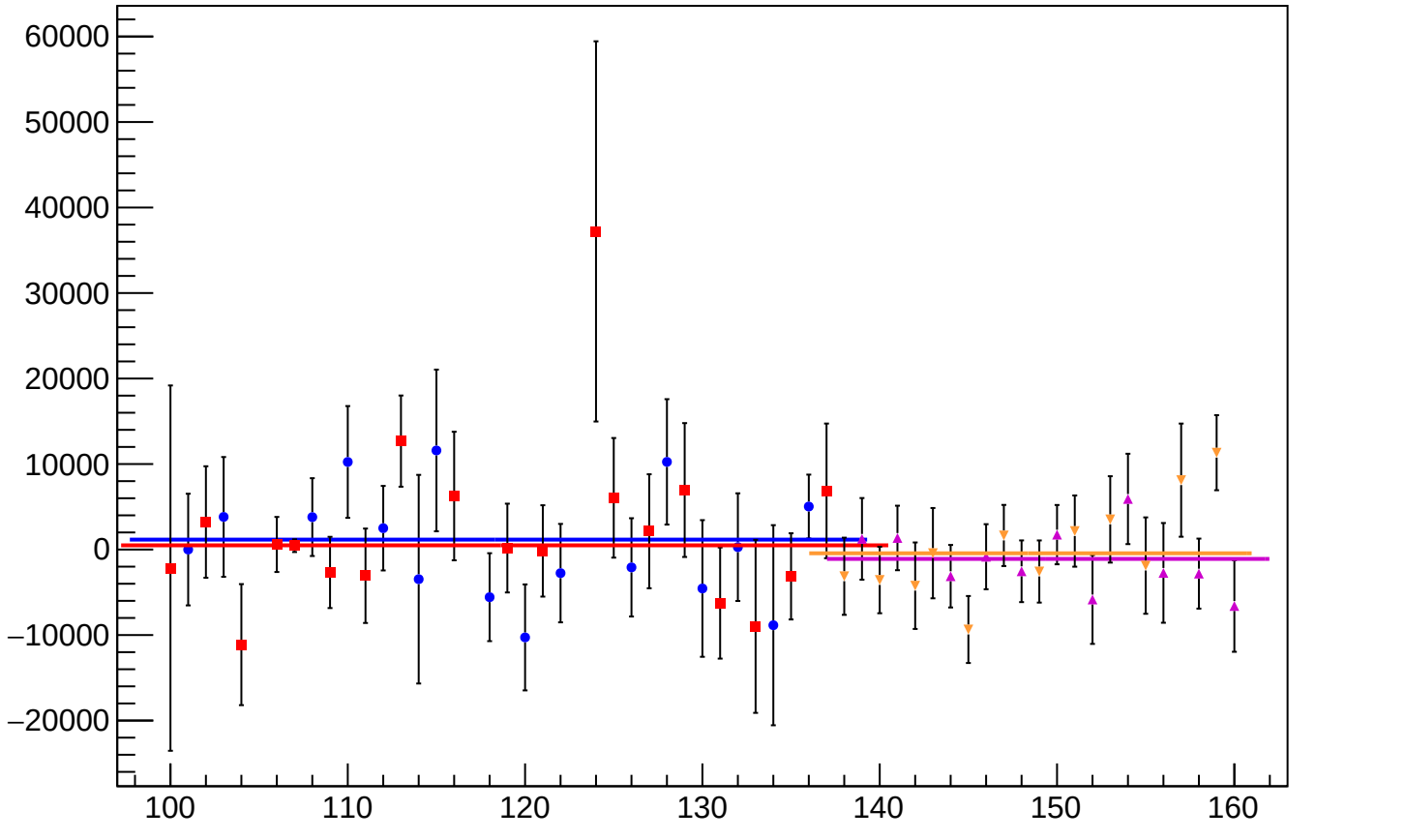
Left: 1728.200+/-0.280 χ^2/NDF: 109251.9/22

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1792.824+/-0.311 χ^2/NDF:309962.4/26

Out: 1776.141+/-0.307 χ^2/NDF:409350.5/30

All: 1784.396+/-0.219 χ^2/NDF: 720769.5/57



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: -1095.890+/-1275.320 χ^2/NDF:5.7/10

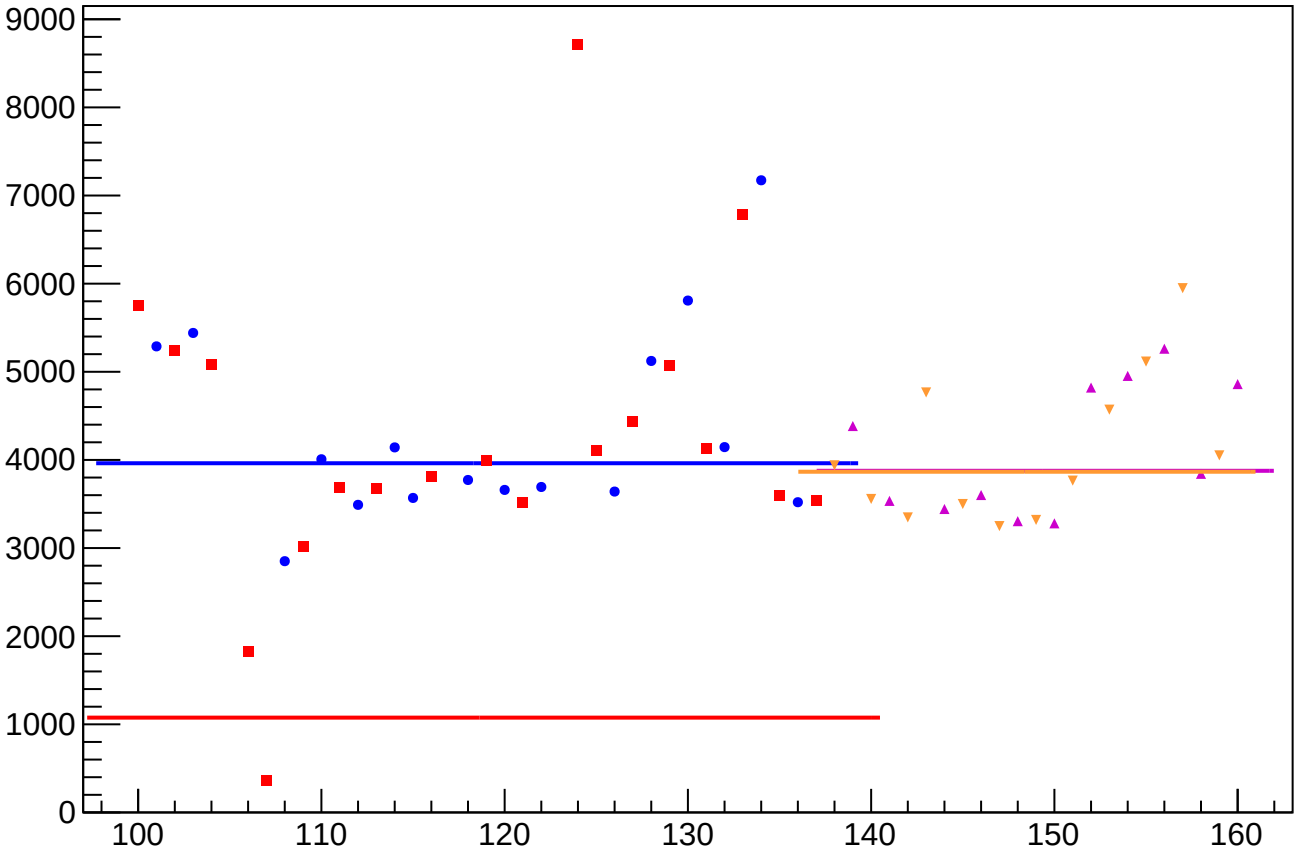
Left: -767.276+/-902.694 χ^2/NDF: 23.2/22

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: -157.831+/-974.912 χ^2/NDF:20.7/26

Out: 297.717+/-585.368 χ^2/NDF:34.7/30

All: 177.003+/-501.854 χ^2/NDF: 55.5/57



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: 3876.582+/-0.902 χ^2/NDF:516512.2/10

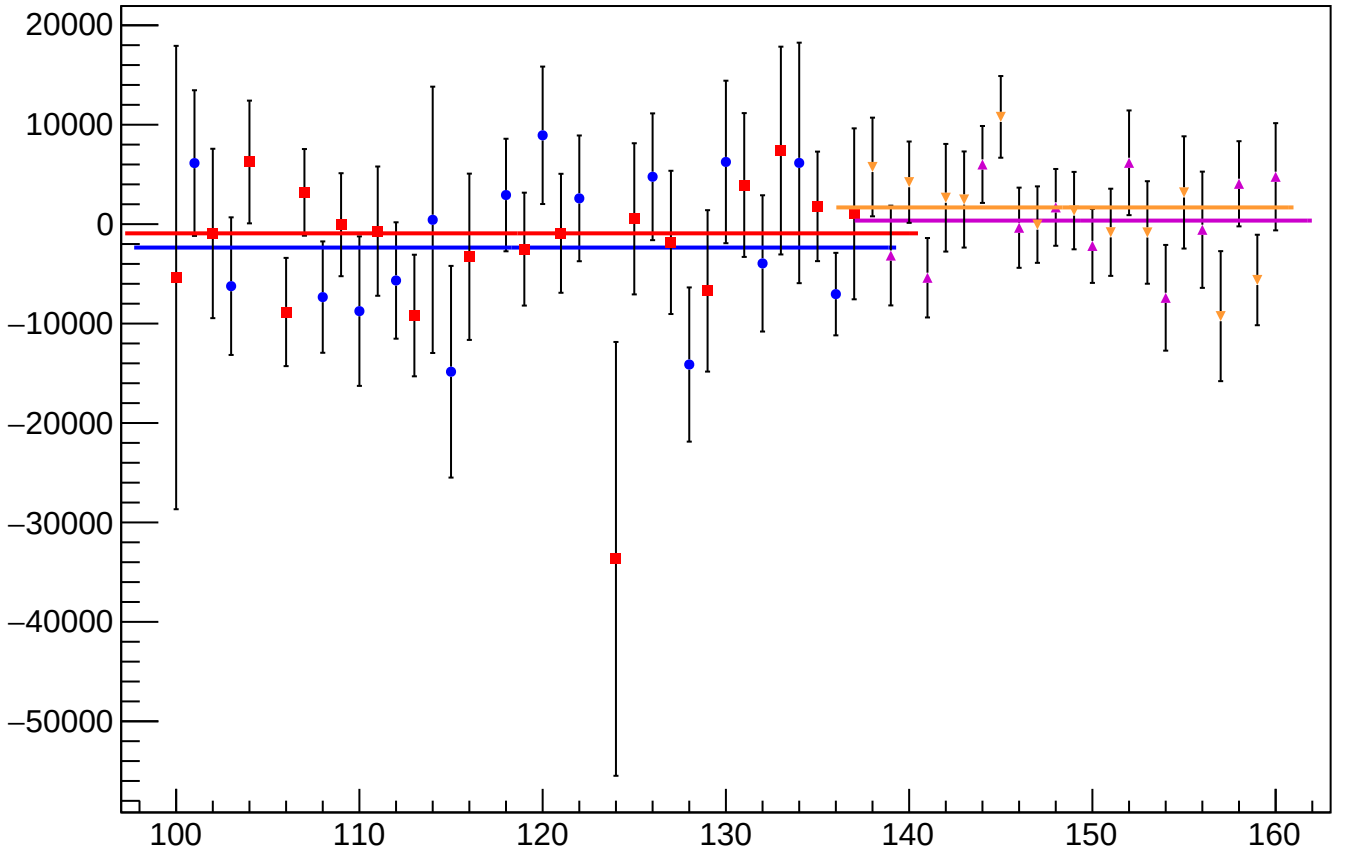
Left: 3871.287+/-0.638 χ^2/NDF: 1071247.3/22

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3912.234+/-0.689 χ^2/NDF:1188608.7/26

Out: 1661.418+/-0.414 χ^2/NDF:17645886.8/30

All: 2257.853+/-0.355 χ^2/NDF: 26670139.2/5



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: 357.767+/-1336.798 χ^2/NDF:10.1/10

Left: 1021.622+/-943.857 χ^2/NDF: 22.8/22

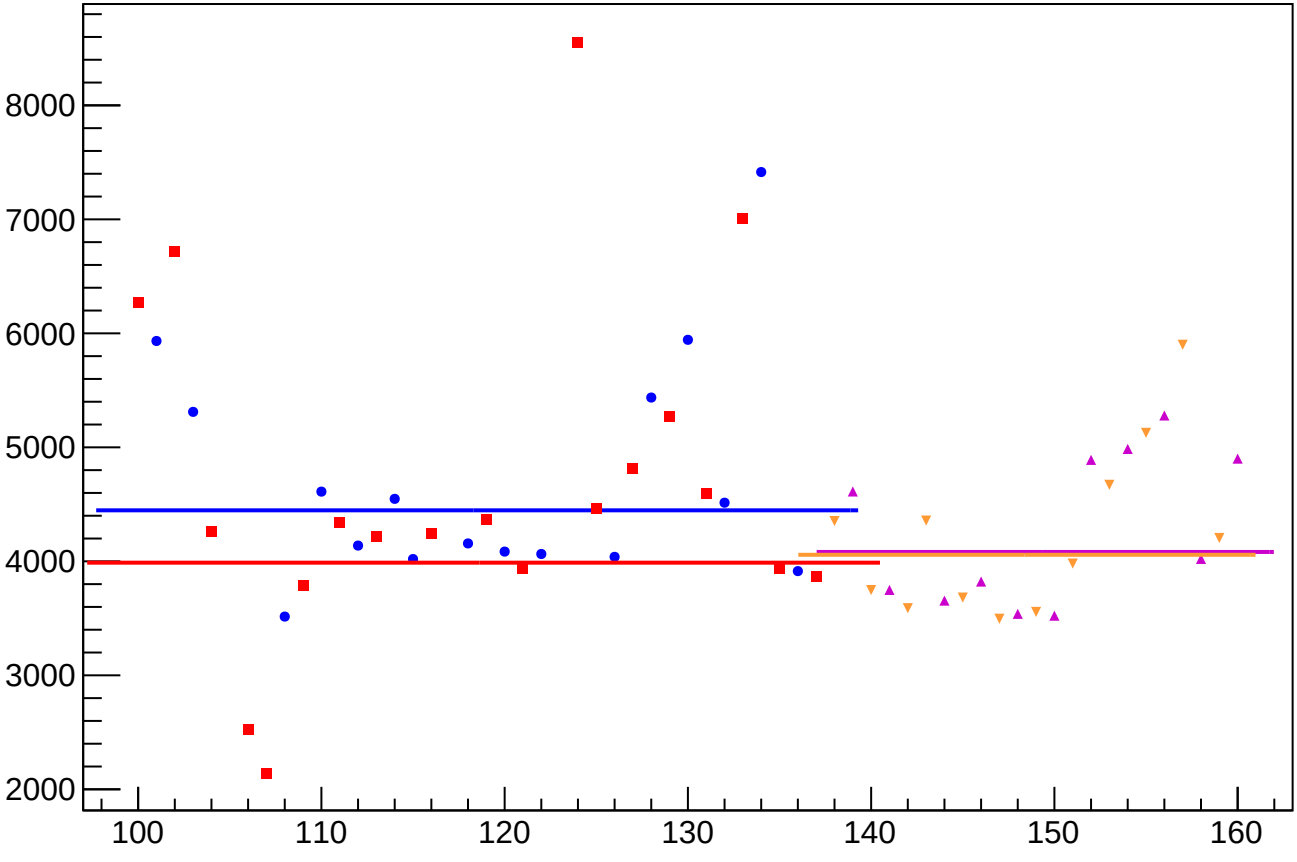
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -690.228+/-1047.200 χ^2/NDF:27.2/26

Out: 570.999+/-1009.728 χ^2/NDF:24.5/30

All: -36.646+/-726.872 χ^2/NDF: 52.5/57

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: 4082.243+/-0.945 χ^2/NDF:388820.0/10

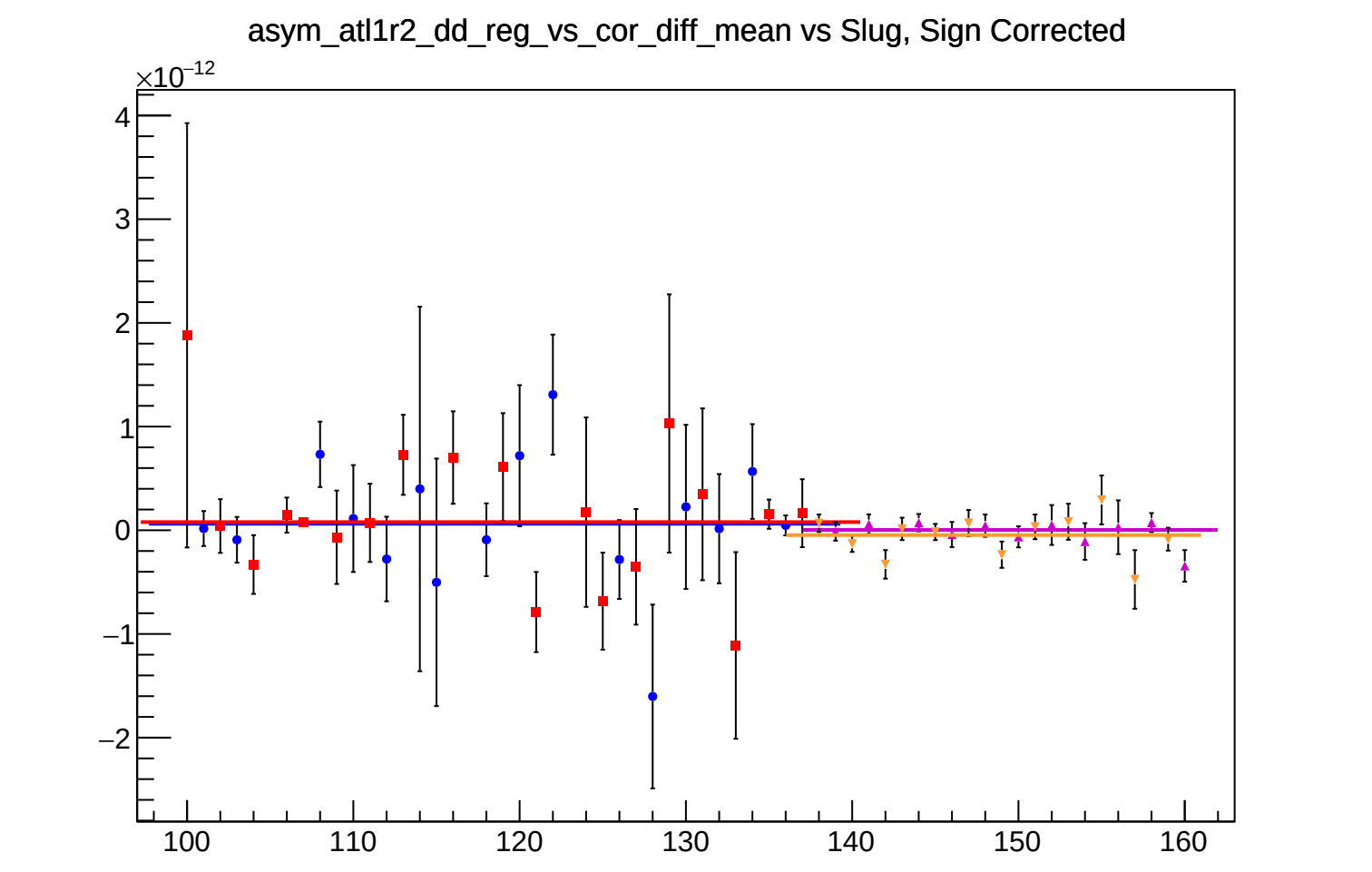
Left: 4069.782+/-0.667 χ^2/NDF: 784536.3/22

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4223.327+/-0.740 χ^2/NDF:904732.6/26

Out: 4027.596+/-0.711 χ^2/NDF:1541622.1/30

All: 4121.480+/-0.513 χ^2/NDF: 2482710.9/57



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:8.0/10

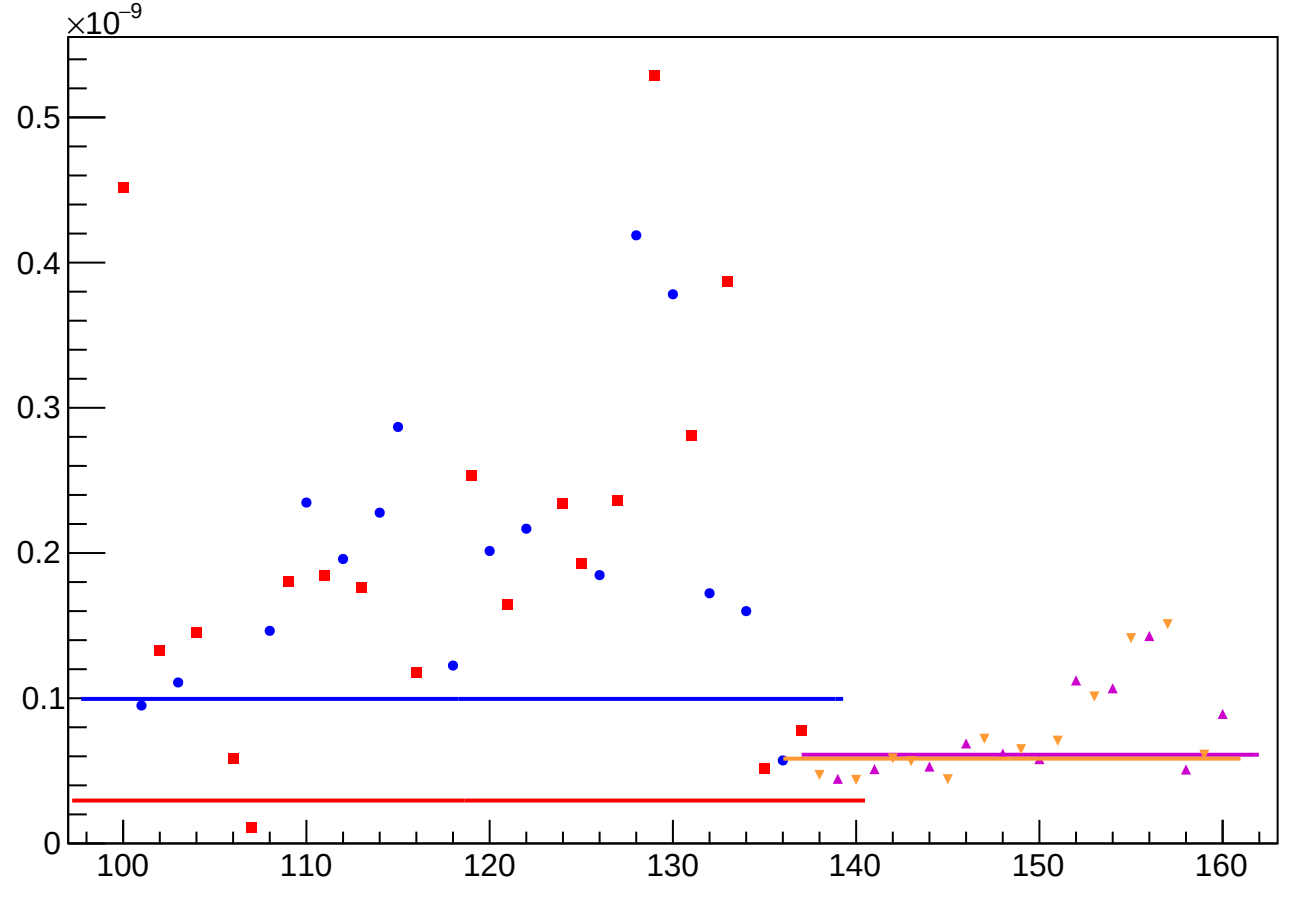
Left: -0.000+/-0.000 χ^2/NDF: 25.3/22

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:26.1/26

Out: 0.000+/-0.000 χ^2/NDF:43.5/30

All: 0.000+/-0.000 χ^2/NDF: 69.5/57



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:689547.0/10

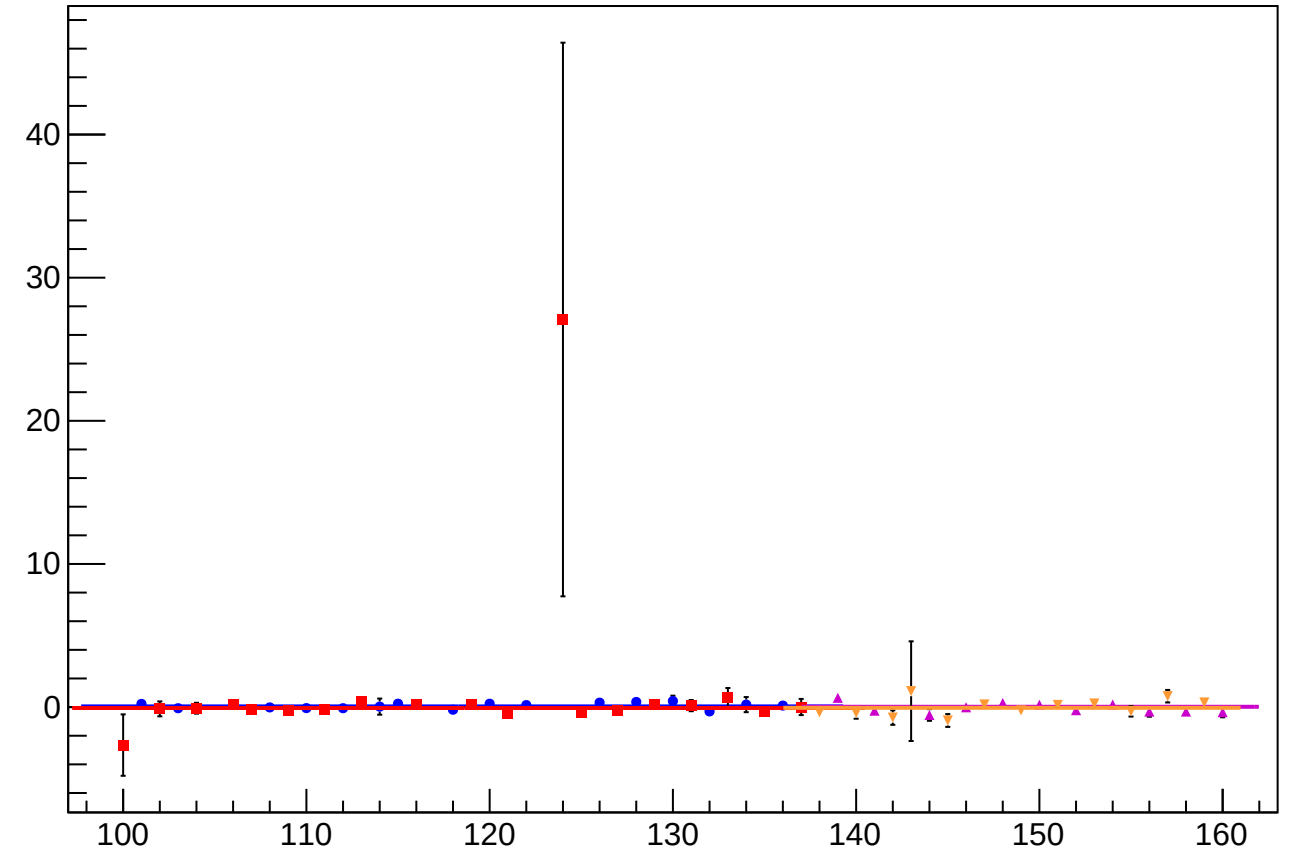
Left: 0.000+/-0.000 χ^2/NDF: 1502371.4/22

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2763538.0/26

Out: 0.000+/-0.000 χ^2/NDF:5938437.7/30

All: 0.000+/-0.000 χ^2/NDF: 9517477.3/57



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: 0.022+/-0.093 χ^2/NDF:14.6/10

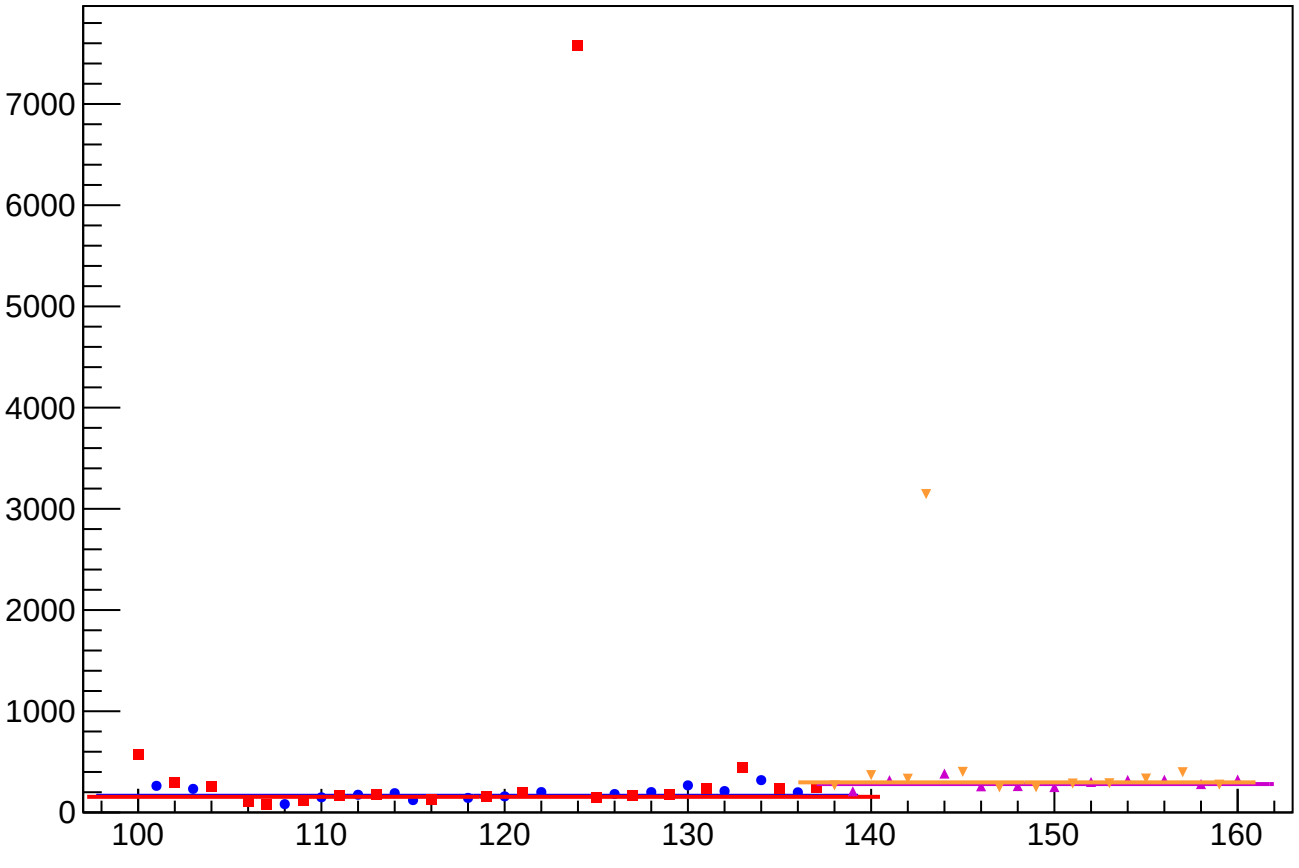
Left: -0.010+/-0.069 χ^2/NDF: 30.4/22

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.009+/-0.038 χ^2/NDF: 57.8/57



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: 280.500+/-0.066 χ^2/NDF:474899.1/10

Left: 288.149+/-0.049 χ^2/NDF: 2312593.4/22

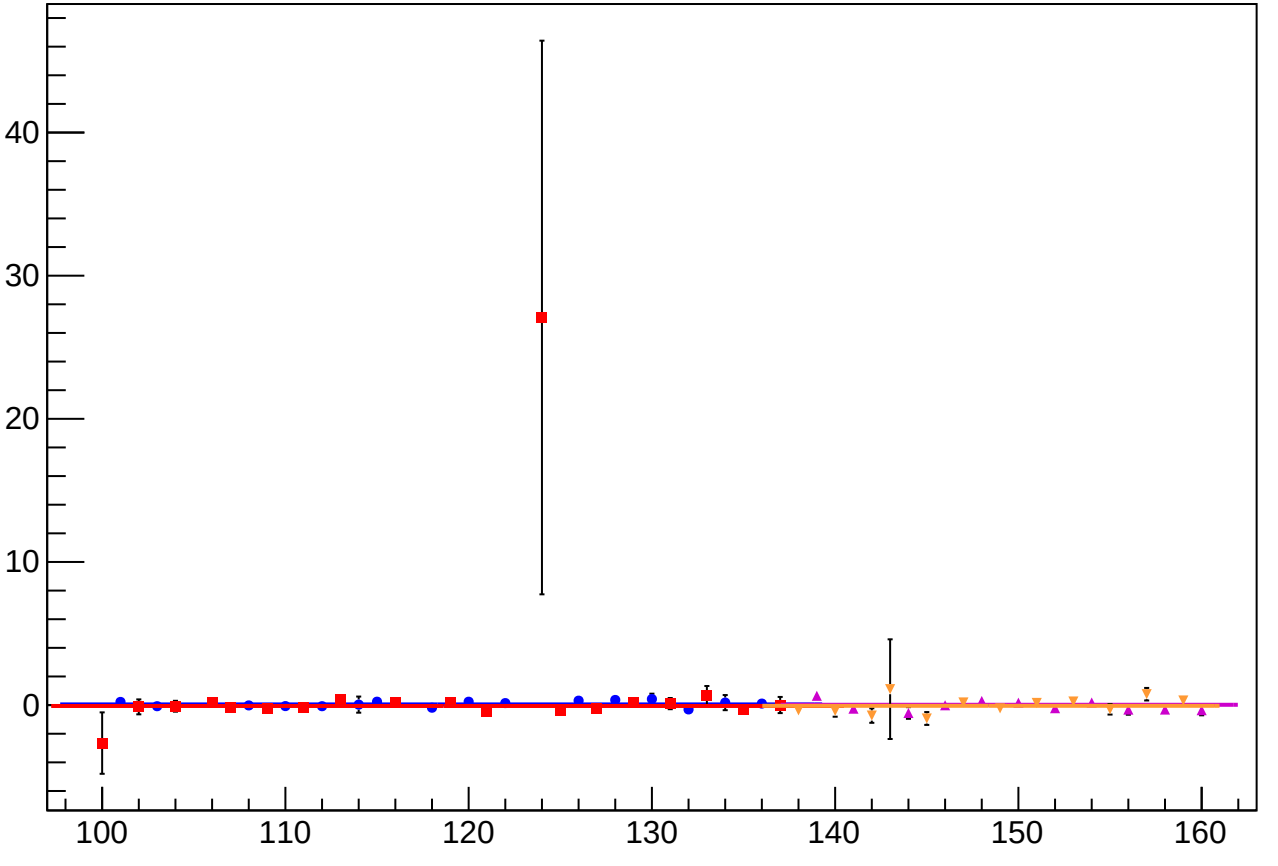
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 204.037+/-0.038 χ^2/NDF:4004150.4/26

Out: 195.175+/-0.039 χ^2/NDF:6541297.1/30

All: 199.642+/-0.027 χ^2/NDF: 10572157.5/57

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: 0.022+/-0.093 χ^2/NDF:14.6/10

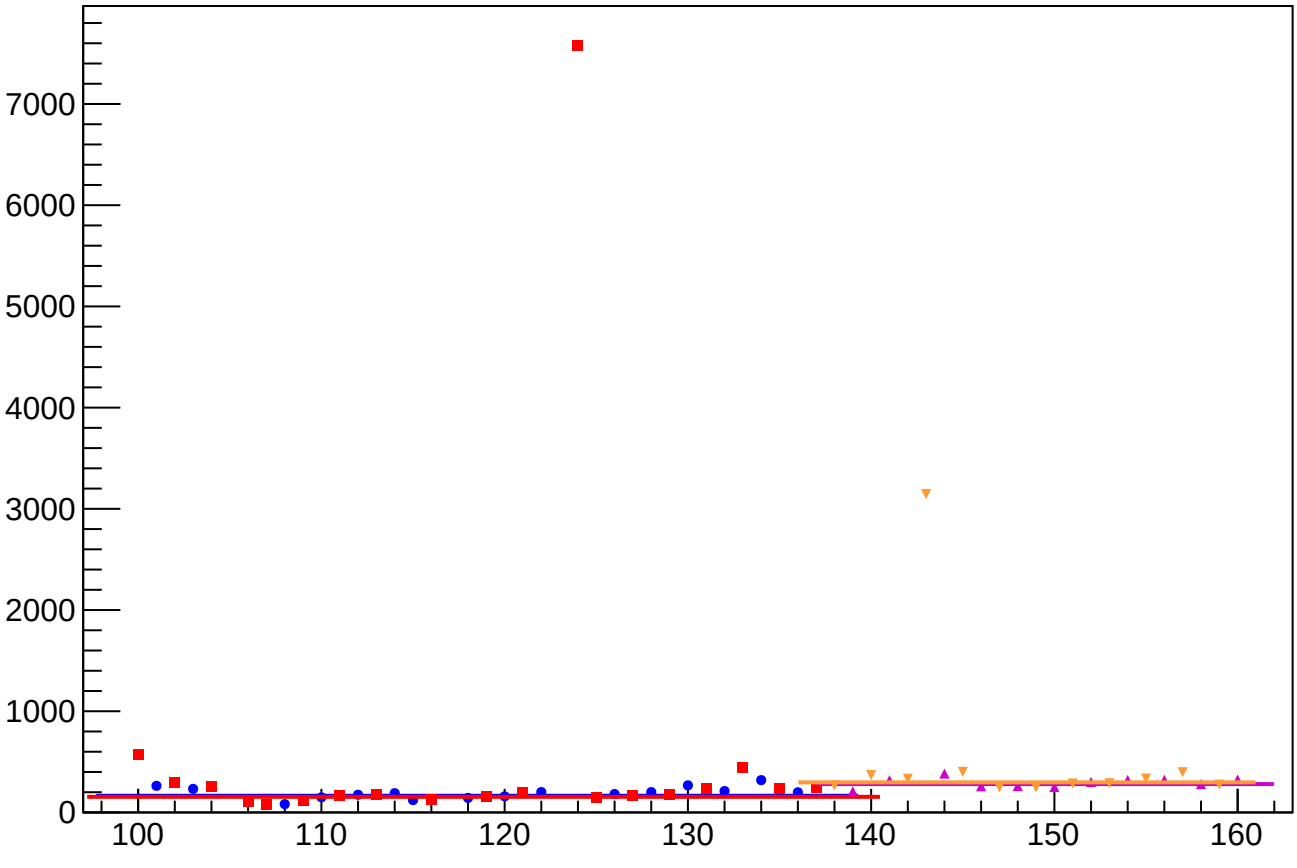
Left: -0.010+/-0.069 χ^2/NDF: 30.4/22

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.009+/-0.038 χ^2/NDF: 57.8/57



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: 280.500+/-0.066 χ^2/NDF:474899.1/10

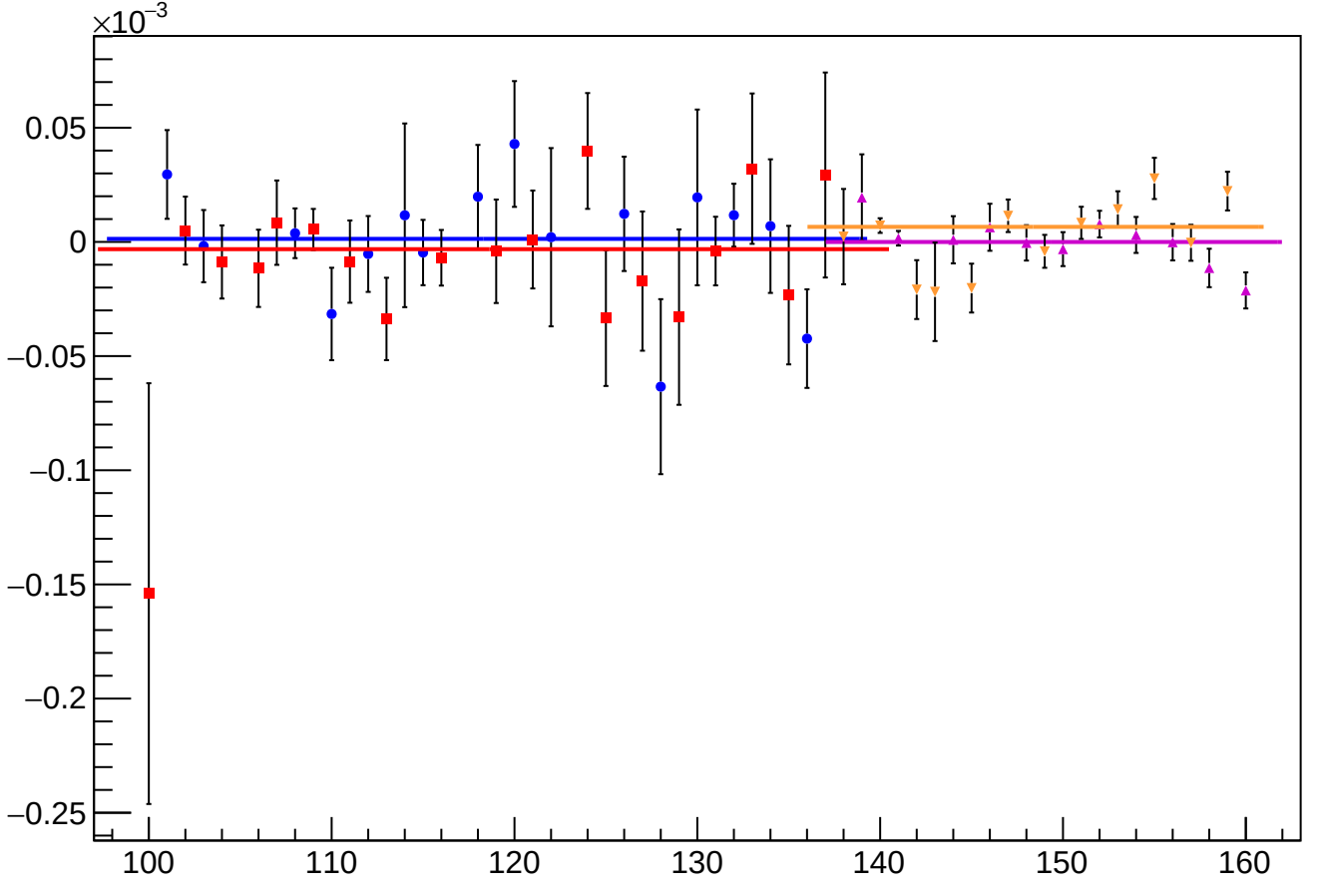
Left: 288.149+/-0.049 χ^2/NDF: 2312593.4/22

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 204.037+/-0.038 χ^2/NDF:4004150.4/26

Out: 195.175+/-0.039 χ^2/NDF:6541297.1/30

All: 199.642+/-0.027 χ^2/NDF: 10572157.5/57



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:12.9/10

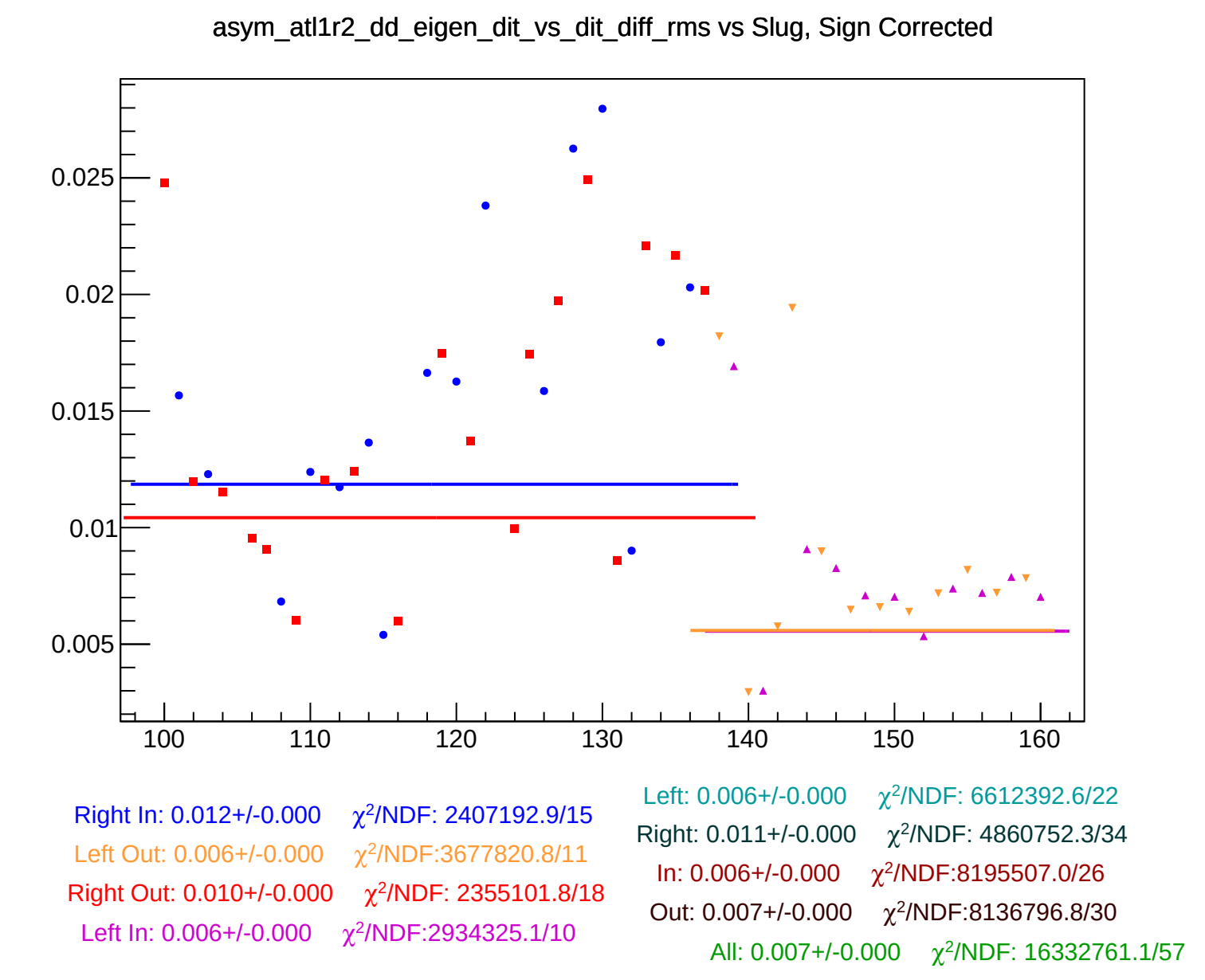
Left: 0.000+/-0.000 χ^2/NDF: 44.2/22

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

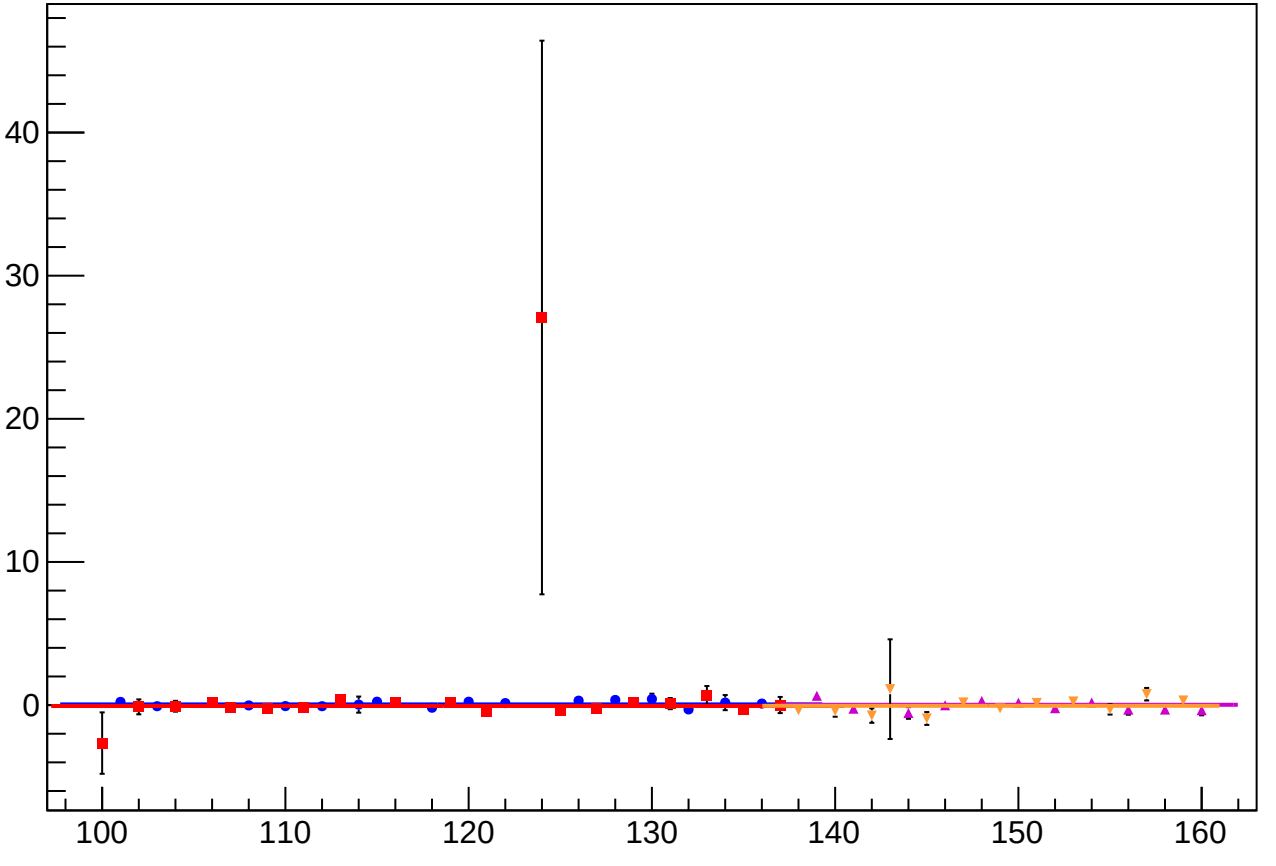
In: 0.000+/-0.000 χ^2/NDF:29.1/26

Out: 0.000+/-0.000 χ^2/NDF:44.9/30

All: 0.000+/-0.000 χ^2/NDF: 77.0/57


asym_atl1r2_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: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:3677820.8/11
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:2934325.1/10
Left: 0.006+/-0.000 χ²/NDF: 6612392.6/22
Right: 0.011+/-0.000 χ²/NDF: 4860752.3/34
In: 0.006+/-0.000 χ²/NDF:8195507.0/26
Out: 0.007+/-0.000 χ²/NDF:8136796.8/30
All: 0.007+/-0.000 χ²/NDF: 16332761.1/57

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: 0.022+/-0.093 χ^2/NDF:14.6/10

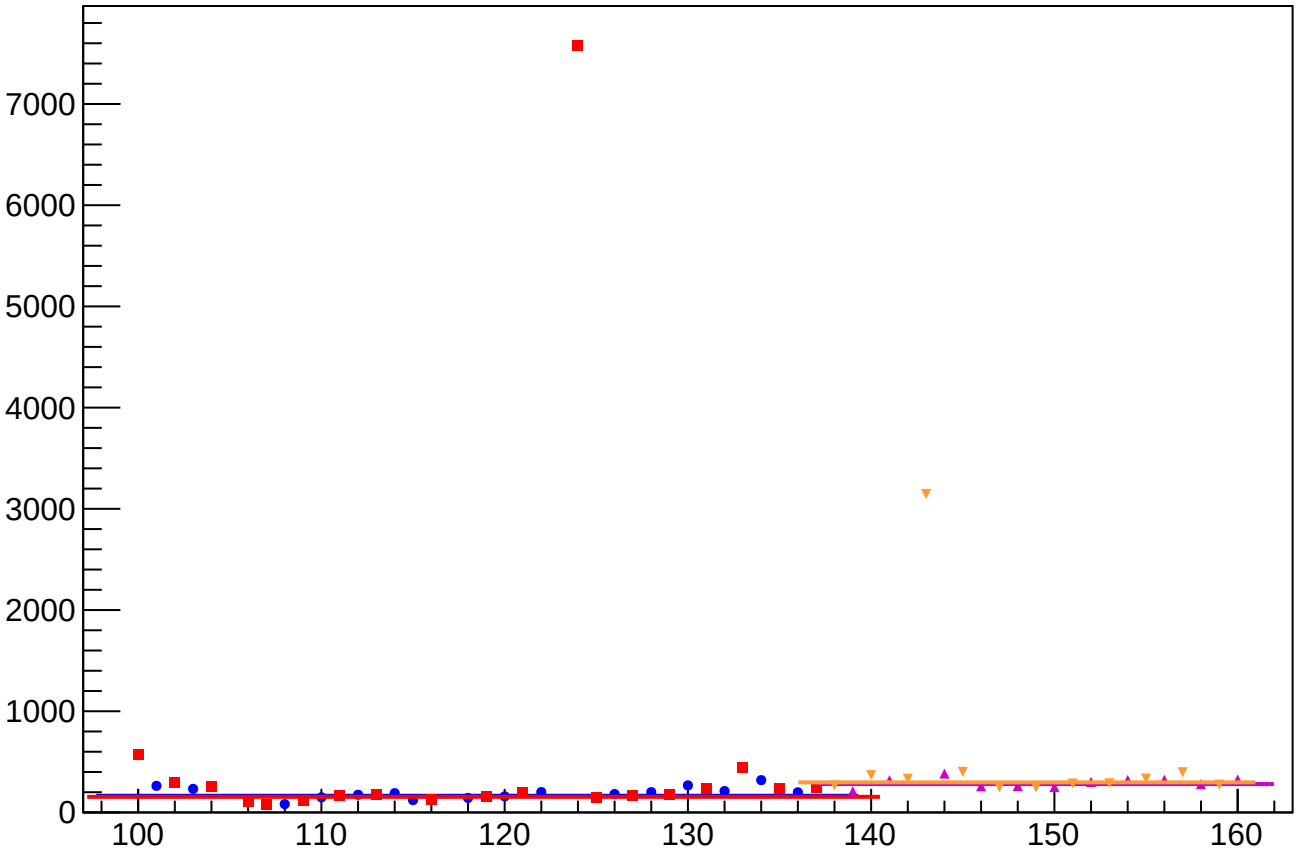
Left: -0.010+/-0.069 χ^2/NDF: 30.4/22

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.009+/-0.038 χ^2/NDF: 57.8/57



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: 280.503+/-0.066 χ^2/NDF:474868.4/10

Left: 288.152+/-0.049 χ^2/NDF: 2312533.5/22

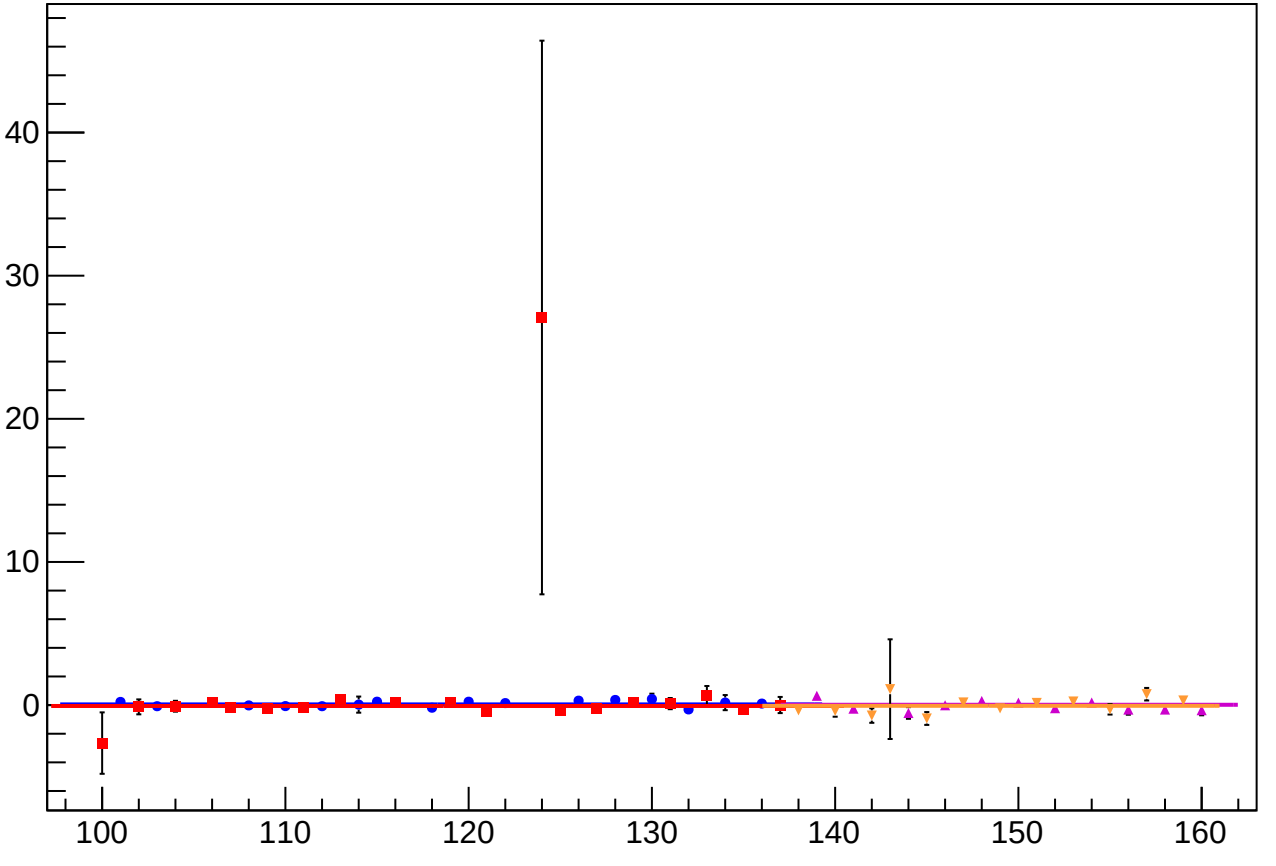
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 204.037+/-0.038 χ^2/NDF:4004195.3/26

Out: 195.175+/-0.039 χ^2/NDF:6541404.0/30

All: 199.643+/-0.027 χ^2/NDF: 10572310.0/57

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: 0.022+/-0.093 χ^2/NDF:14.6/10

Left: -0.010+/-0.069 χ^2/NDF: 30.4/22

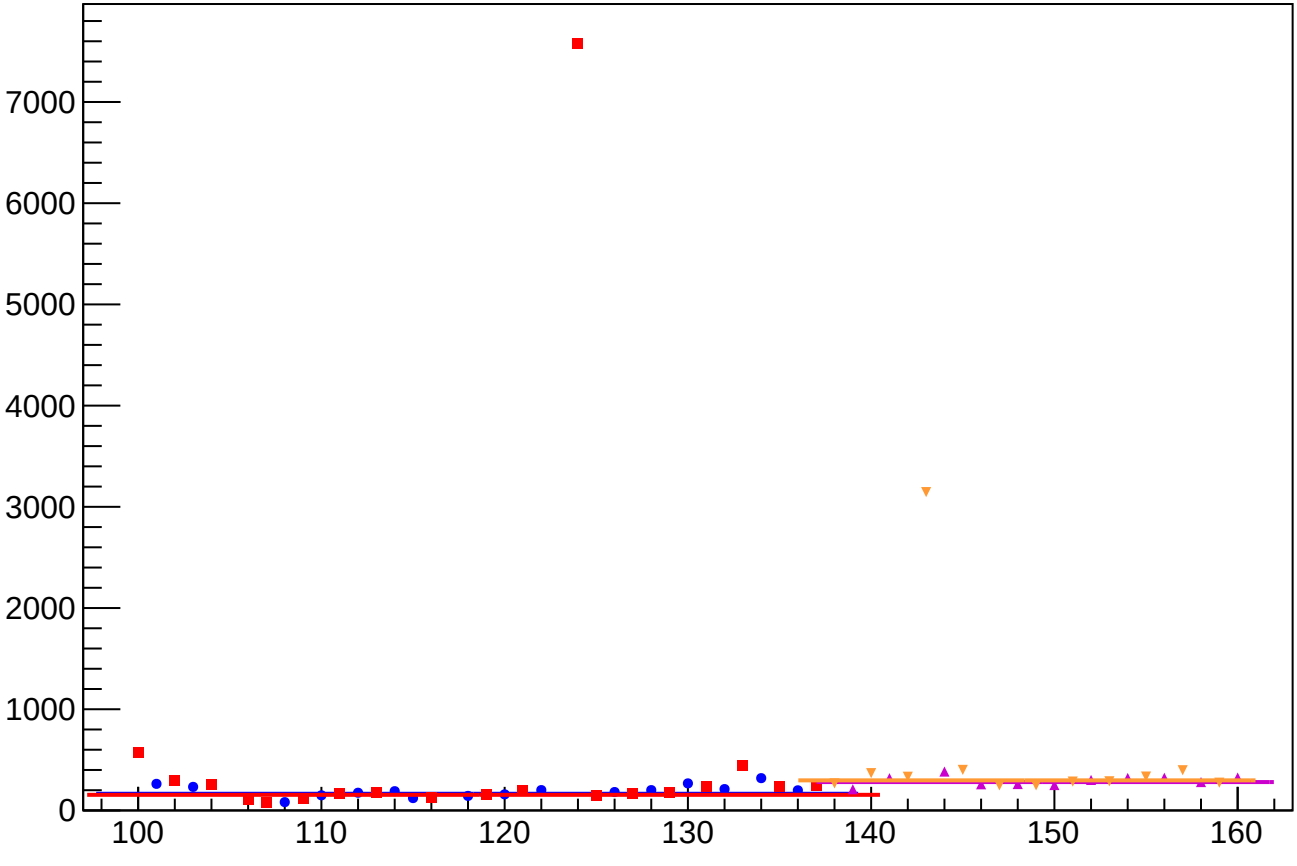
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.058+/-0.054 χ^2/NDF:33.9/30

All: -0.009+/-0.038 χ^2/NDF: 57.8/57

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: 280.503+/-0.066 χ^2/NDF:474868.4/10

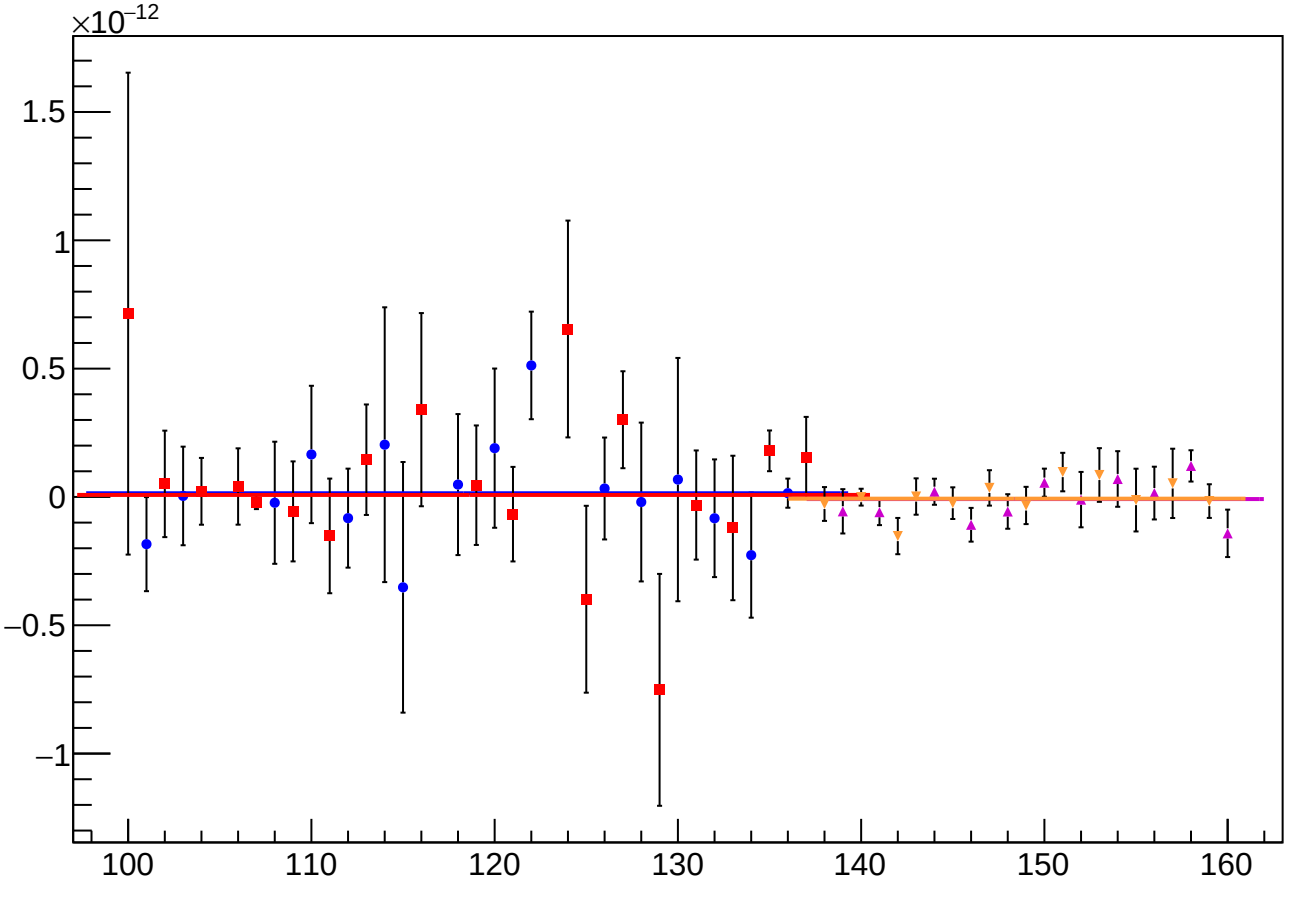
Left: 288.152+/-0.049 χ^2/NDF: 2312533.5/22

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 204.037+/-0.038 χ^2/NDF:4004195.3/26

Out: 195.175+/-0.039 χ^2/NDF:6541404.0/30

All: 199.643+/-0.027 χ^2/NDF: 10572310.0/57



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:13.0/10

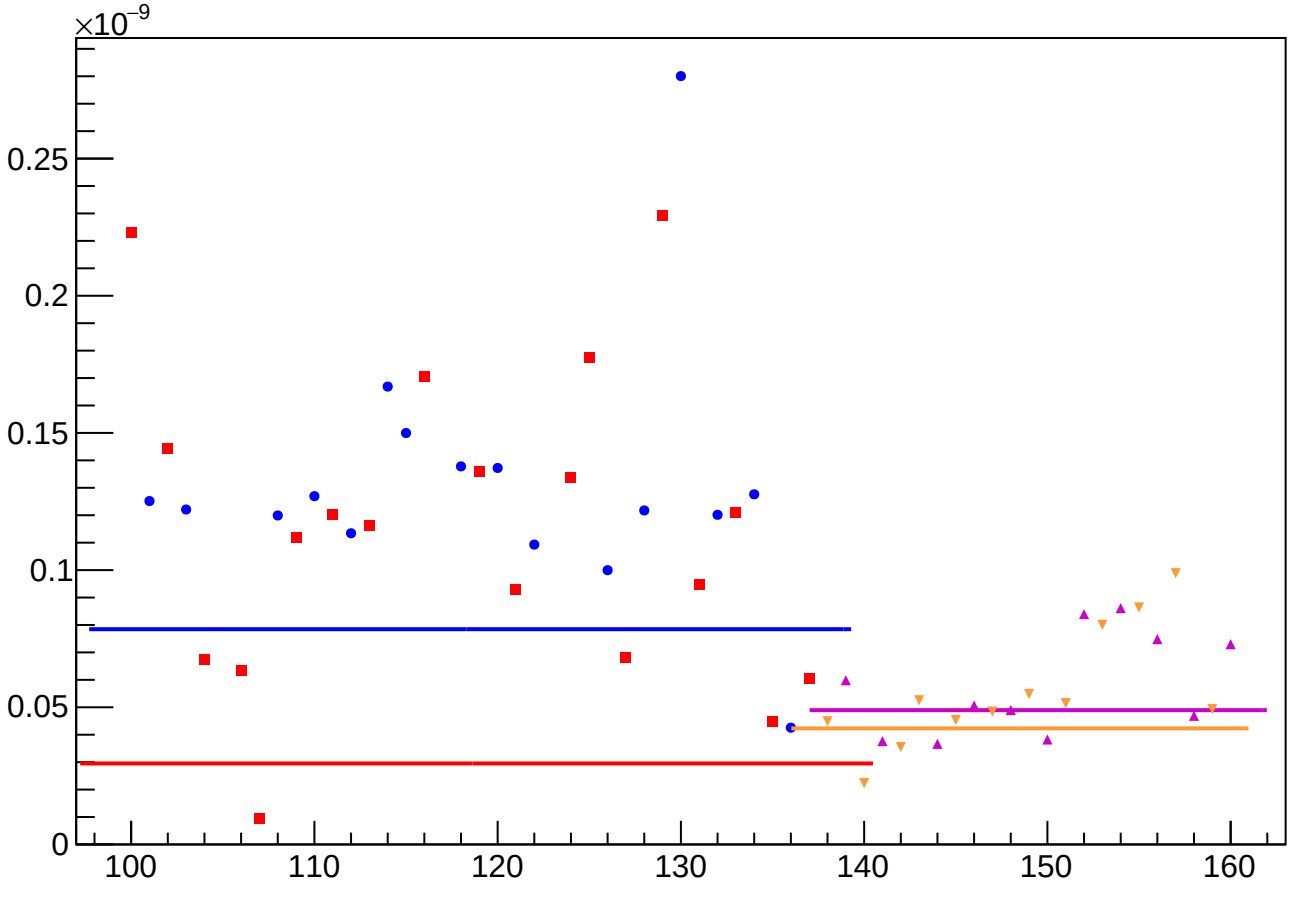
Left: -0.000+/-0.000 χ^2/NDF: 20.9/22

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:22.9/26

Out: -0.000+/-0.000 χ^2/NDF:26.5/30

All: -0.000+/-0.000 χ^2/NDF: 49.4/57



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:1037106.9/10

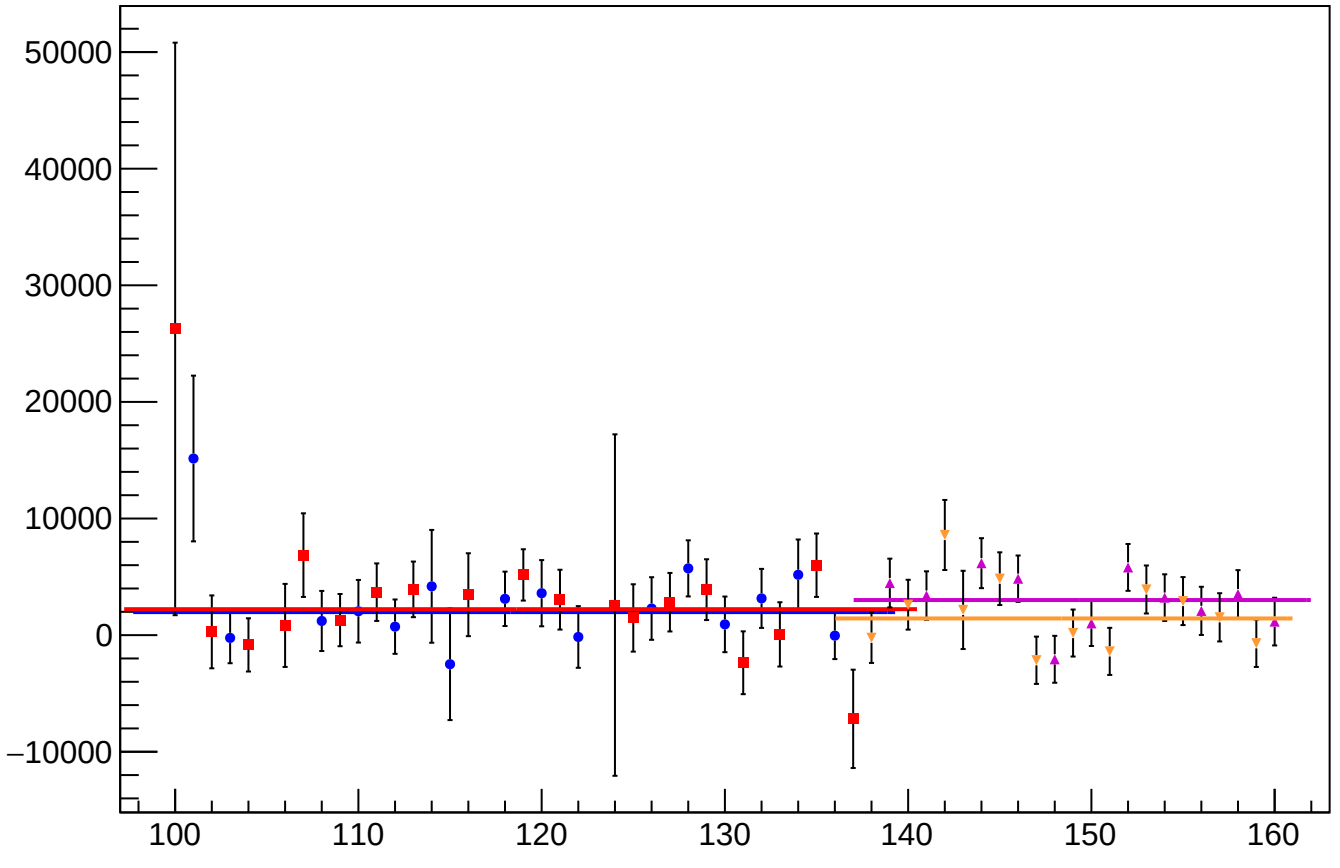
Left: 0.000+/-0.000 χ^2/NDF: 2957706.1/22

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3923269.2/26

Out: 0.000+/-0.000 χ^2/NDF:7667151.0/30

All: 0.000+/-0.000 χ^2/NDF: 12683355.8/57



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: 3009.861+/-613.934 χ^2/NDF:14.0/10

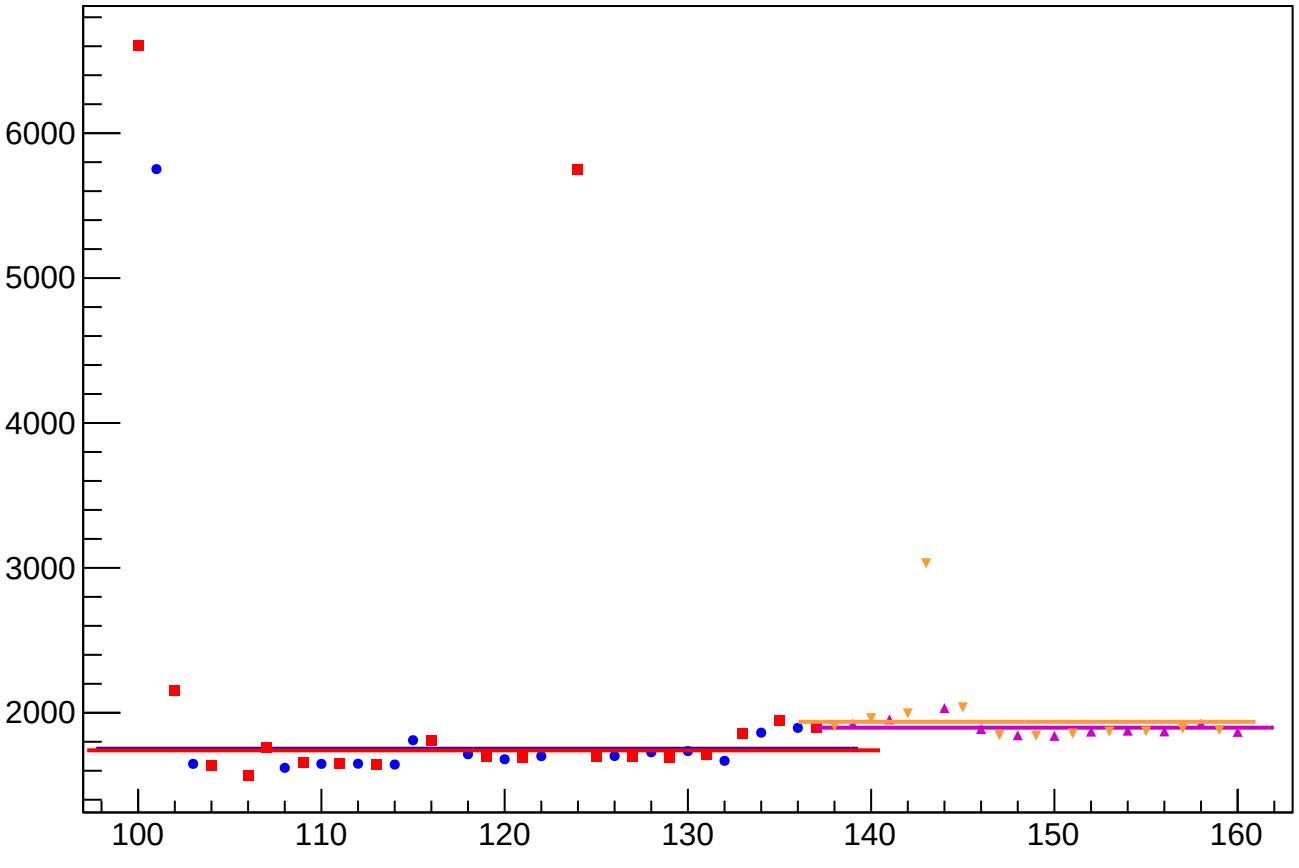
Left: 2242.138+/-440.012 χ^2/NDF: 34.7/22

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2536.370+/-451.934 χ^2/NDF:27.4/26

Out: 1813.075+/-454.845 χ^2/NDF:37.2/30

All: 2177.044+/-320.590 χ^2/NDF: 65.9/57



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: 1897.351+/-0.434 χ^2/NDF:14482.1/10

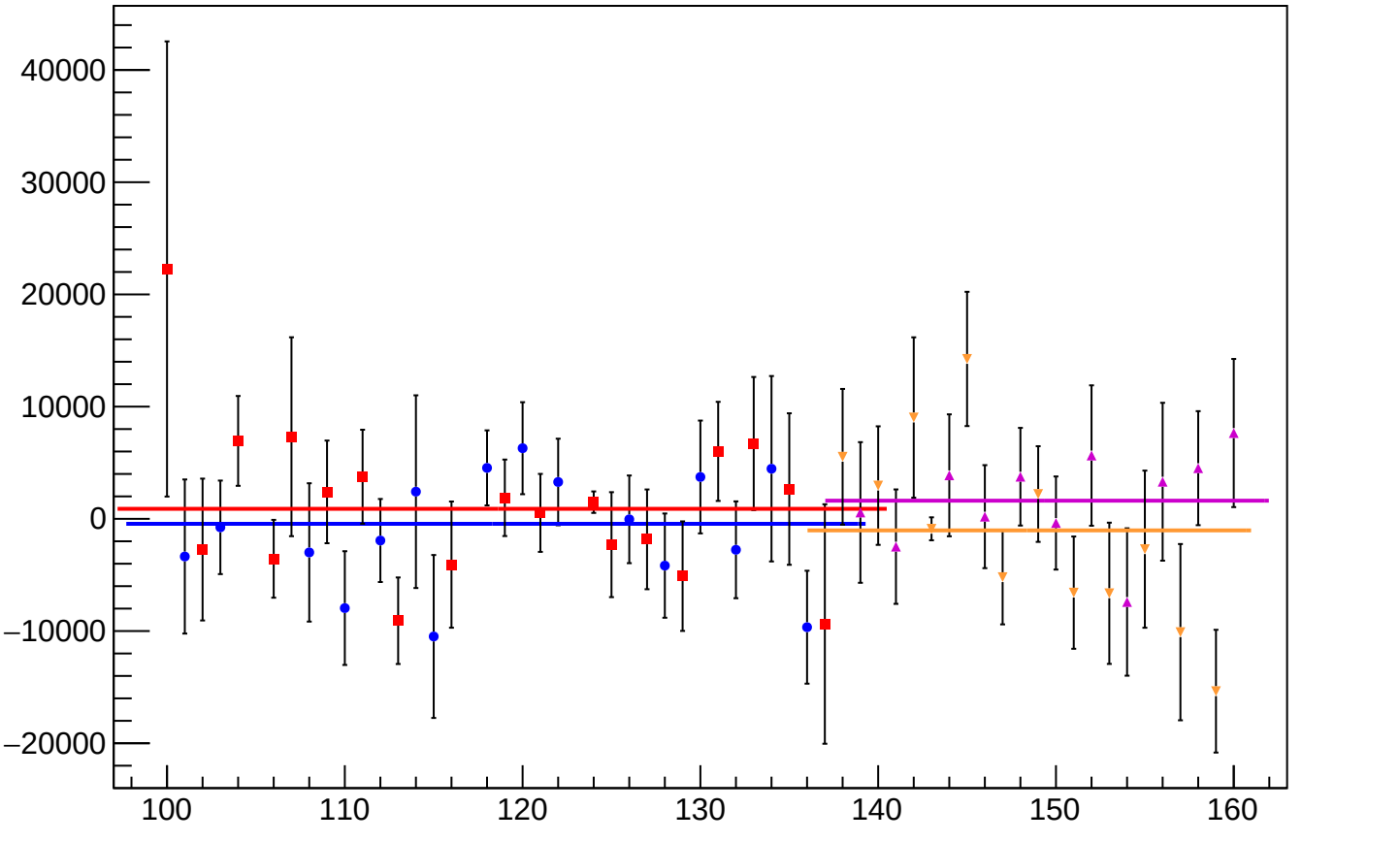
Left: 1916.920+/-0.311 χ^2/NDF: 255106.7/22

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1830.583+/-0.320 χ^2/NDF:736768.7/26

Out: 1842.462+/-0.320 χ^2/NDF:635026.8/30

All: 1836.506+/-0.226 χ^2/NDF: 1372484.5/57



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: 1618.257+/-1607.918 χ^2/NDF:4.9/10

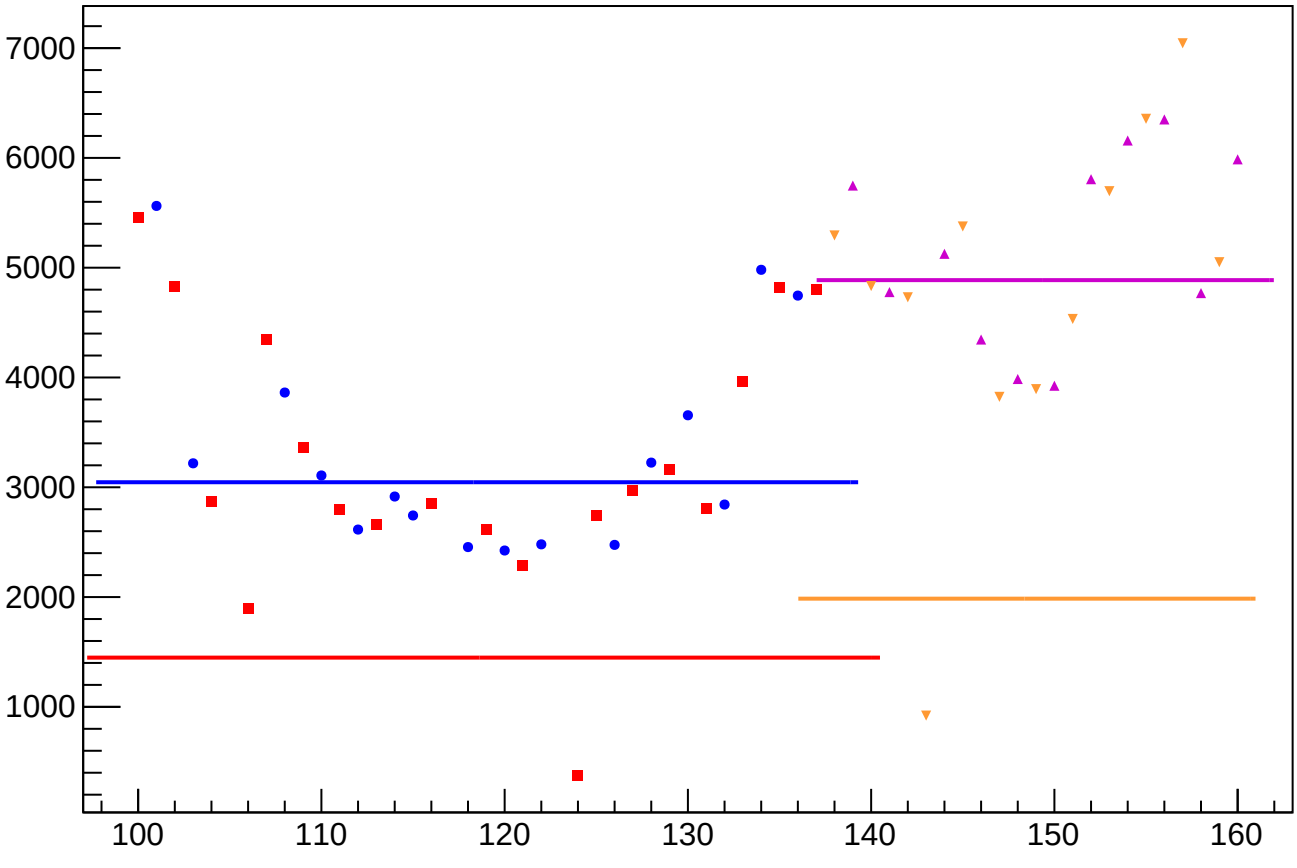
Left: -427.234+/-766.756 χ^2/NDF: 29.1/22

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 273.280+/-948.399 χ^2/NDF:21.9/26

Out: 106.269+/-557.904 χ^2/NDF:45.1/30

All: 149.205+/-480.872 χ^2/NDF: 67.0/57



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: 4886.736+/-1.137 χ^2/NDF:524890.9/10

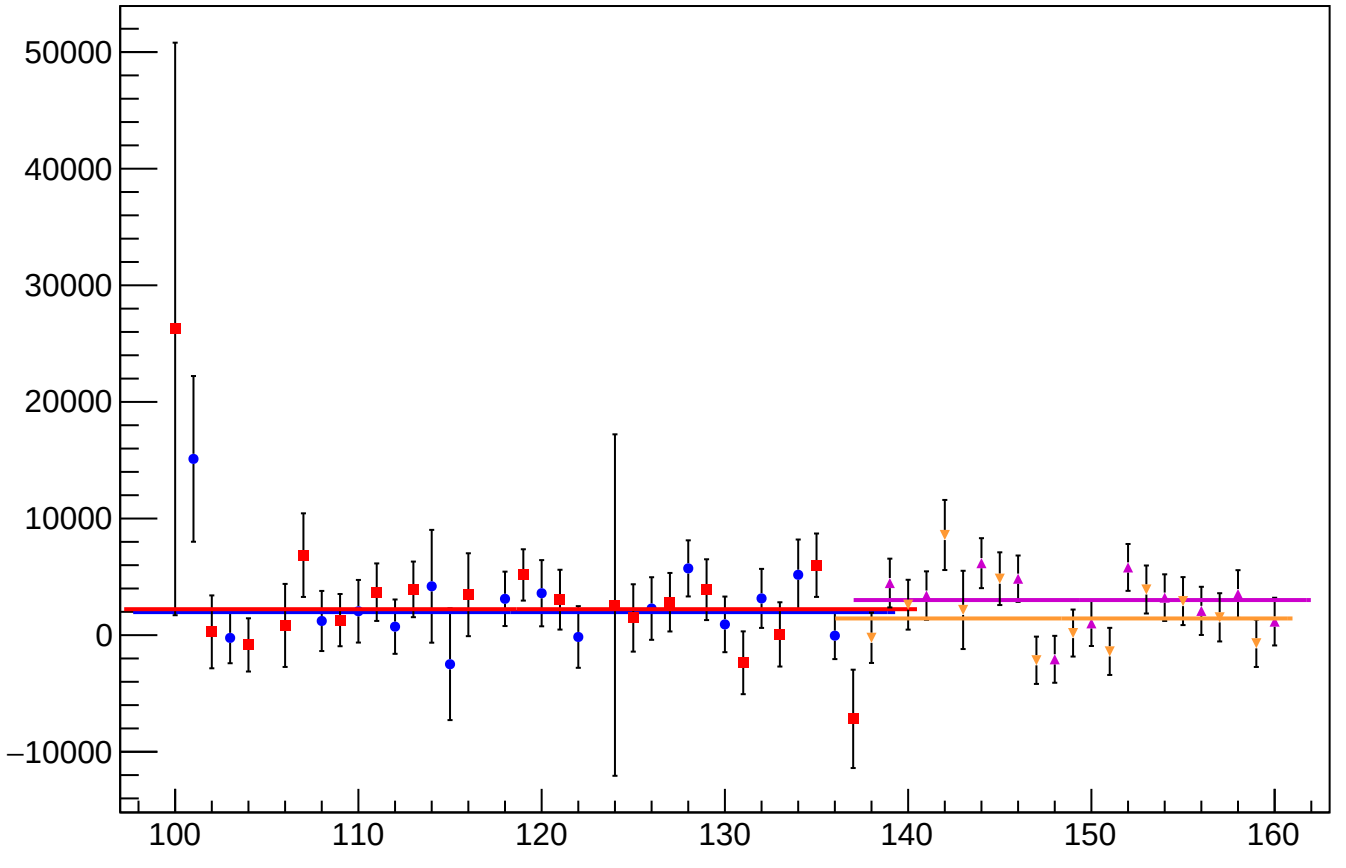
Left: 2645.219+/-0.542 χ^2/NDF: 14077024.2/22

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3686.338+/-0.671 χ^2/NDF:3141655.3/26

Out: 1668.155+/-0.394 χ^2/NDF:15756170.9/30

All: 2186.999+/-0.340 χ^2/NDF: 25626166.6/5



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: 3009.921+/-613.934 χ^2/NDF:14.0/10

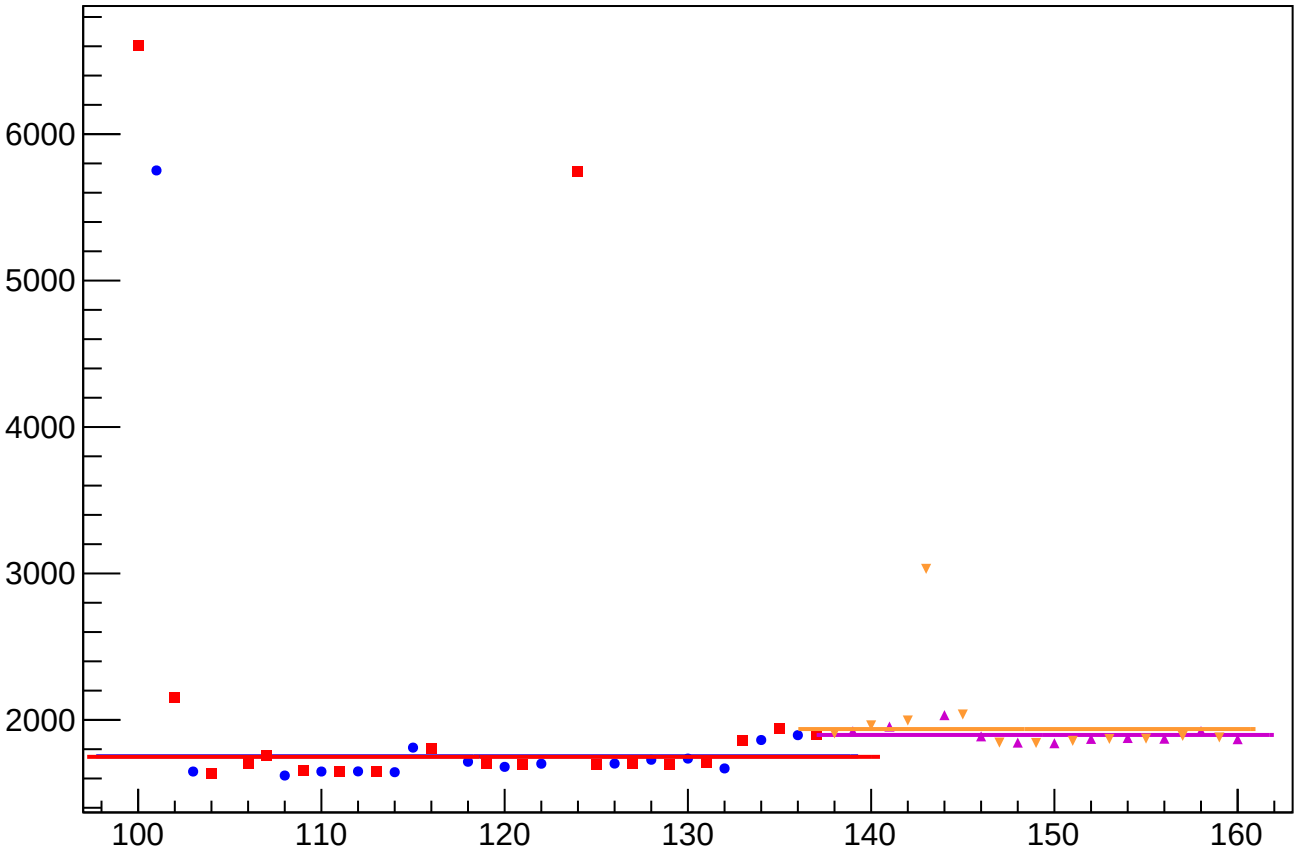
Left: 2242.199+/-440.012 χ^2/NDF: 34.7/22

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2536.241+/-451.934 χ^2/NDF:27.4/26

Out: 1813.154+/-454.845 χ^2/NDF:37.2/30

All: 2177.019+/-320.590 χ^2/NDF: 65.9/57



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: 1897.351+/-0.434 χ^2/NDF:14482.1/10

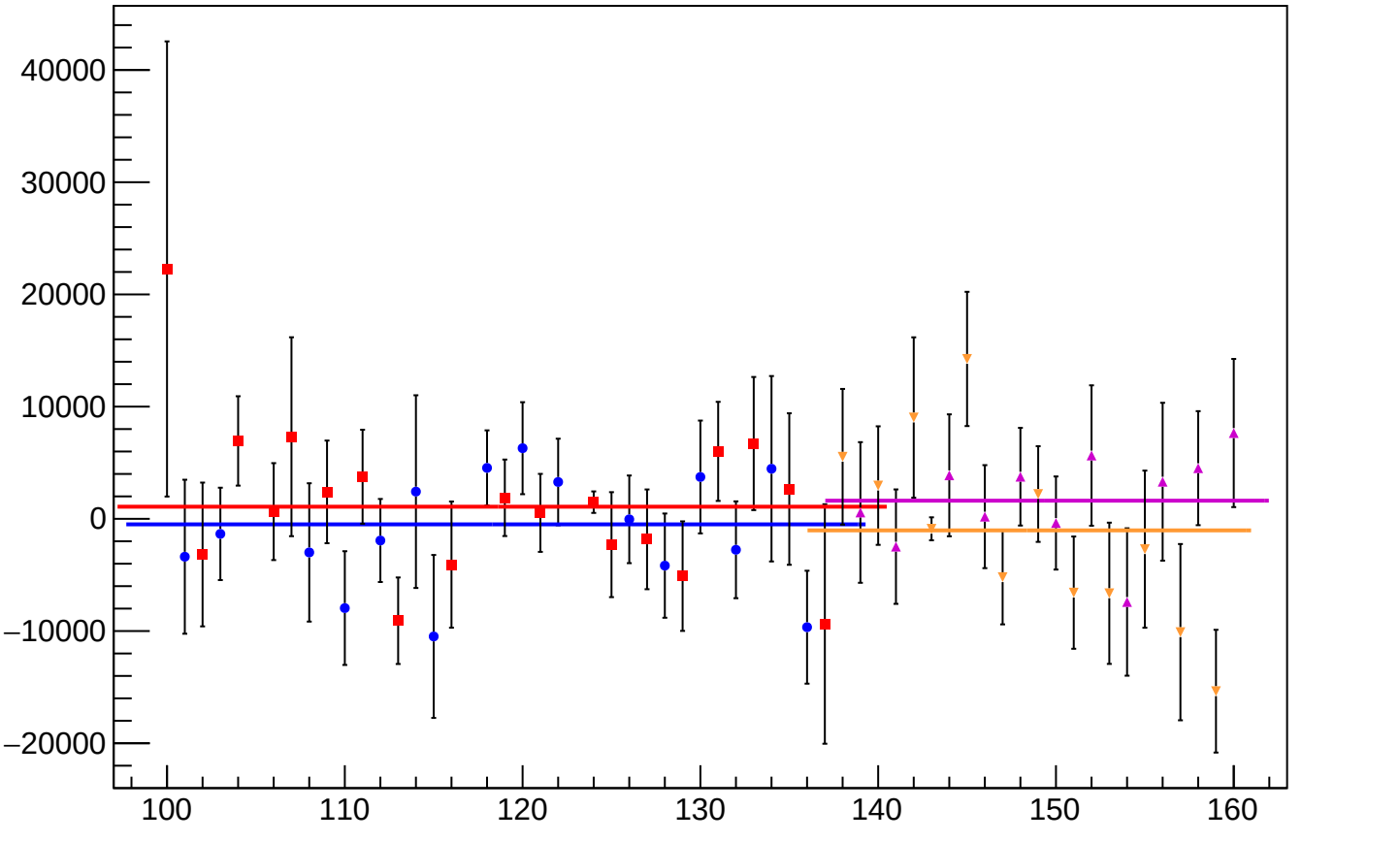
Left: 1916.920+/-0.311 χ^2/NDF: 255106.8/22

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1830.583+/-0.320 χ^2/NDF:736769.2/26

Out: 1846.066+/-0.321 χ^2/NDF:621635.0/30

All: 1838.289+/-0.226 χ^2/NDF: 1359572.5/57



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: 1618.320+/-1607.918 χ^2/NDF:4.9/10

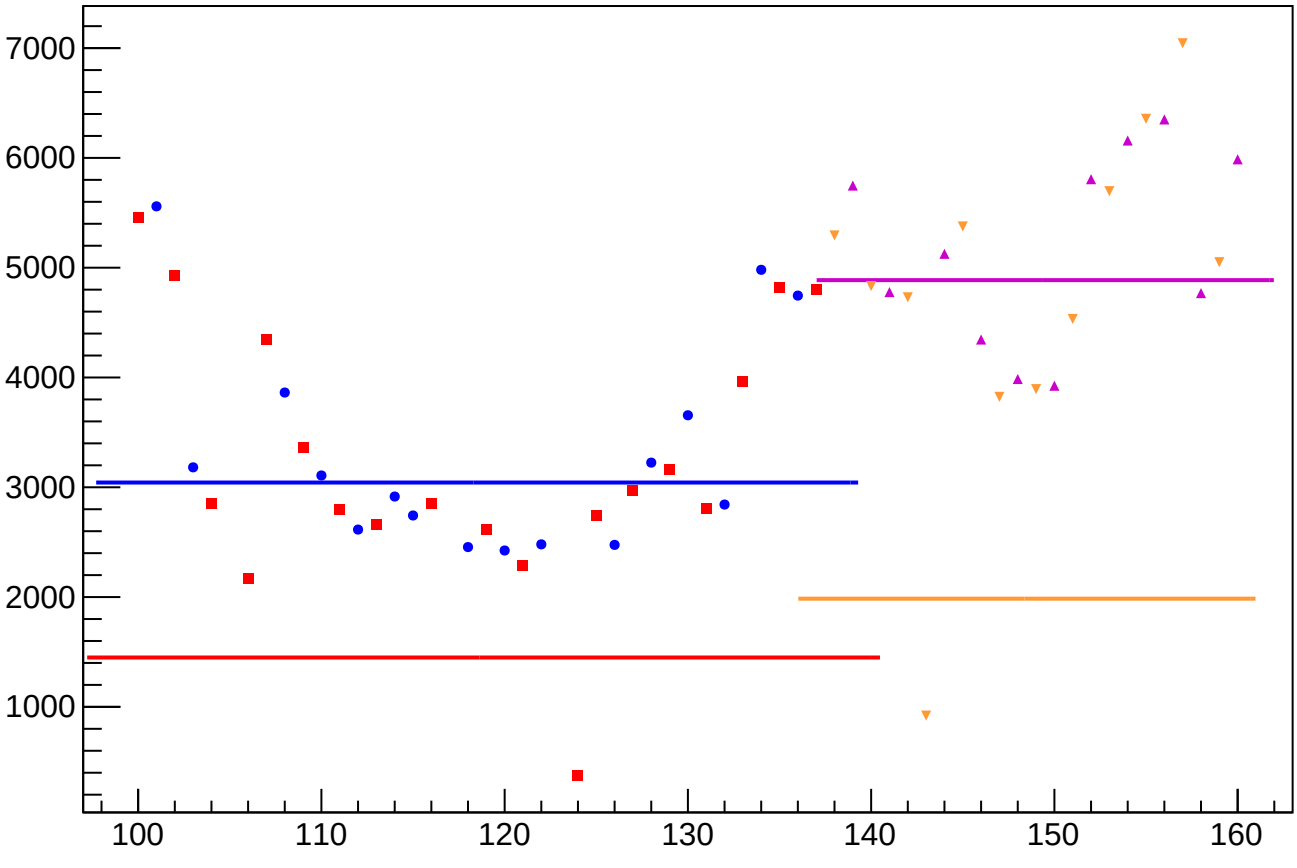
Left: -427.095+/-766.738 χ^2/NDF: 29.1/22

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 240.596+/-947.762 χ^2/NDF:22.0/26

Out: 209.805+/-560.484 χ^2/NDF:44.0/30

All: 217.783+/-482.437 χ^2/NDF: 66.0/57



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: 4886.735+/-1.137 χ^2/NDF:524892.6/10

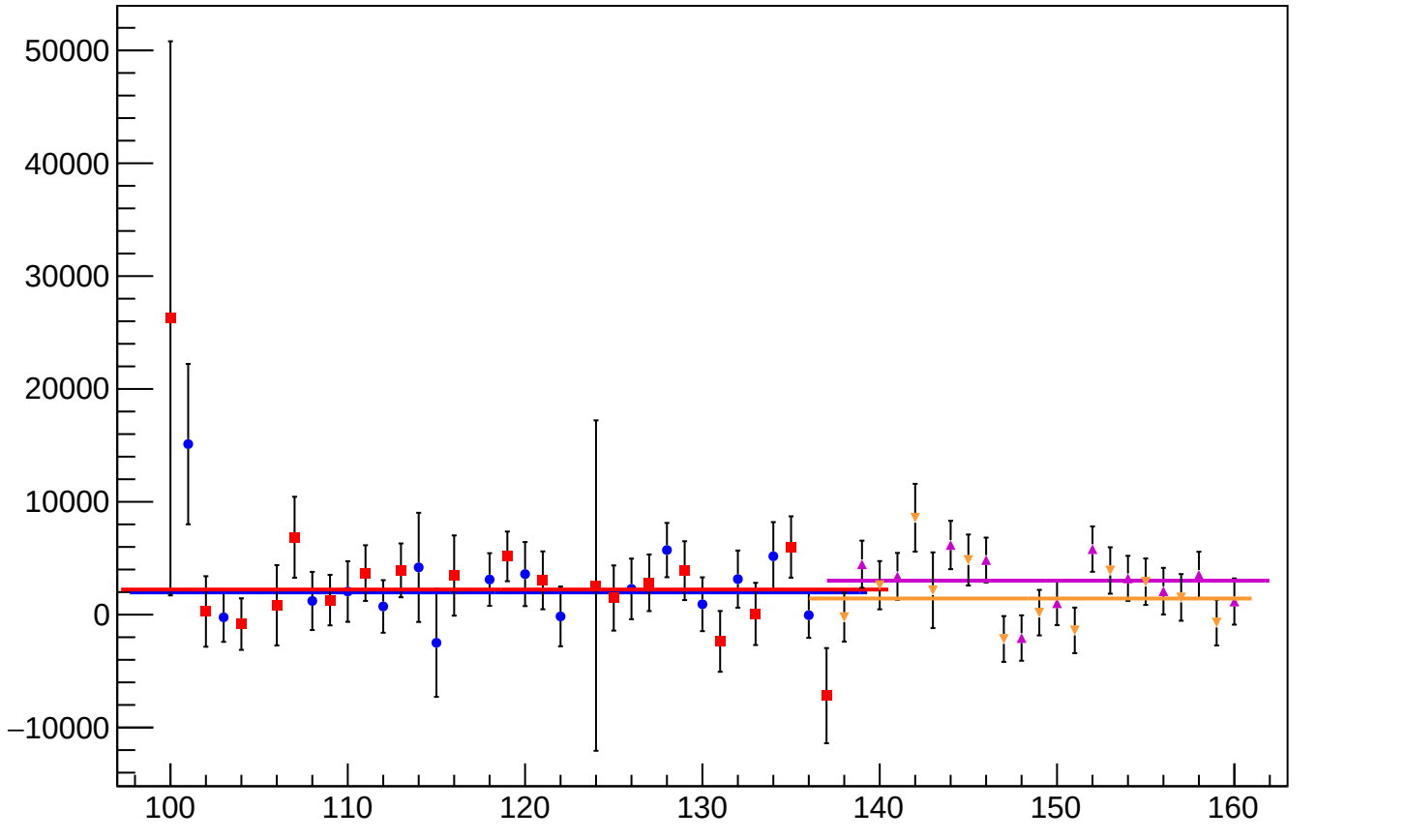
Left: 2645.118+/-0.542 χ^2/NDF: 14077734.1/22

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3683.750+/-0.670 χ^2/NDF:3146078.4/26

Out: 1670.752+/-0.396 χ^2/NDF:15790621.3/30

All: 2192.338+/-0.341 χ^2/NDF: 25621257.9/5



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: 3009.921+/-613.934 χ^2/NDF:14.0/10

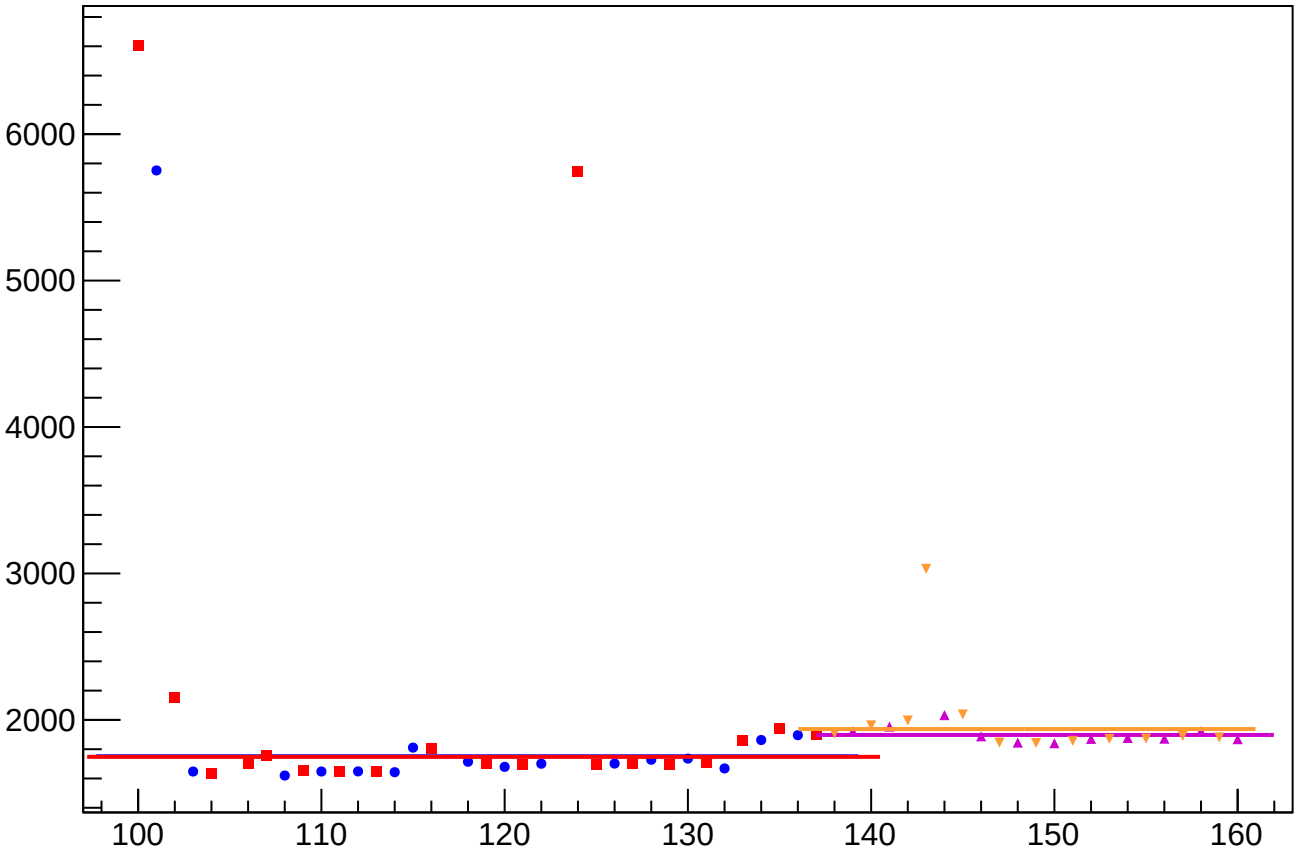
Left: 2242.199+/-440.012 χ^2/NDF: 34.7/22

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2536.241+/-451.934 χ^2/NDF:27.4/26

Out: 1813.154+/-454.845 χ^2/NDF:37.2/30

All: 2177.019+/-320.590 χ^2/NDF: 65.9/57



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: 1897.351+/-0.434 χ^2/NDF:14482.1/10

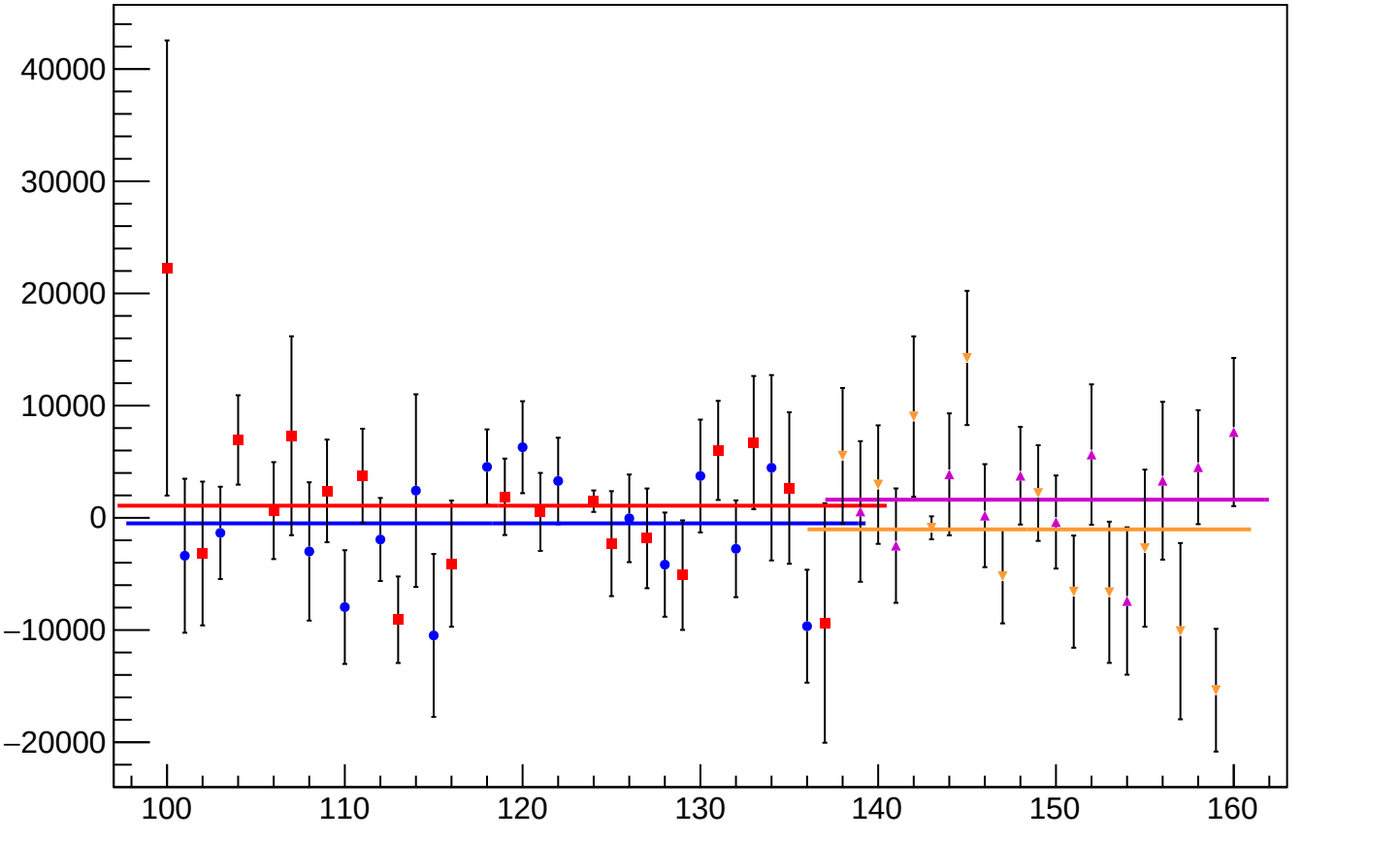
Left: 1916.920+/-0.311 χ^2/NDF: 255106.8/22

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1830.583+/-0.320 χ^2/NDF:736769.2/26

Out: 1846.066+/-0.321 χ^2/NDF:621635.0/30

All: 1838.289+/-0.226 χ^2/NDF: 1359572.5/57



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: 1618.320+/-1607.918 χ^2/NDF:4.9/10

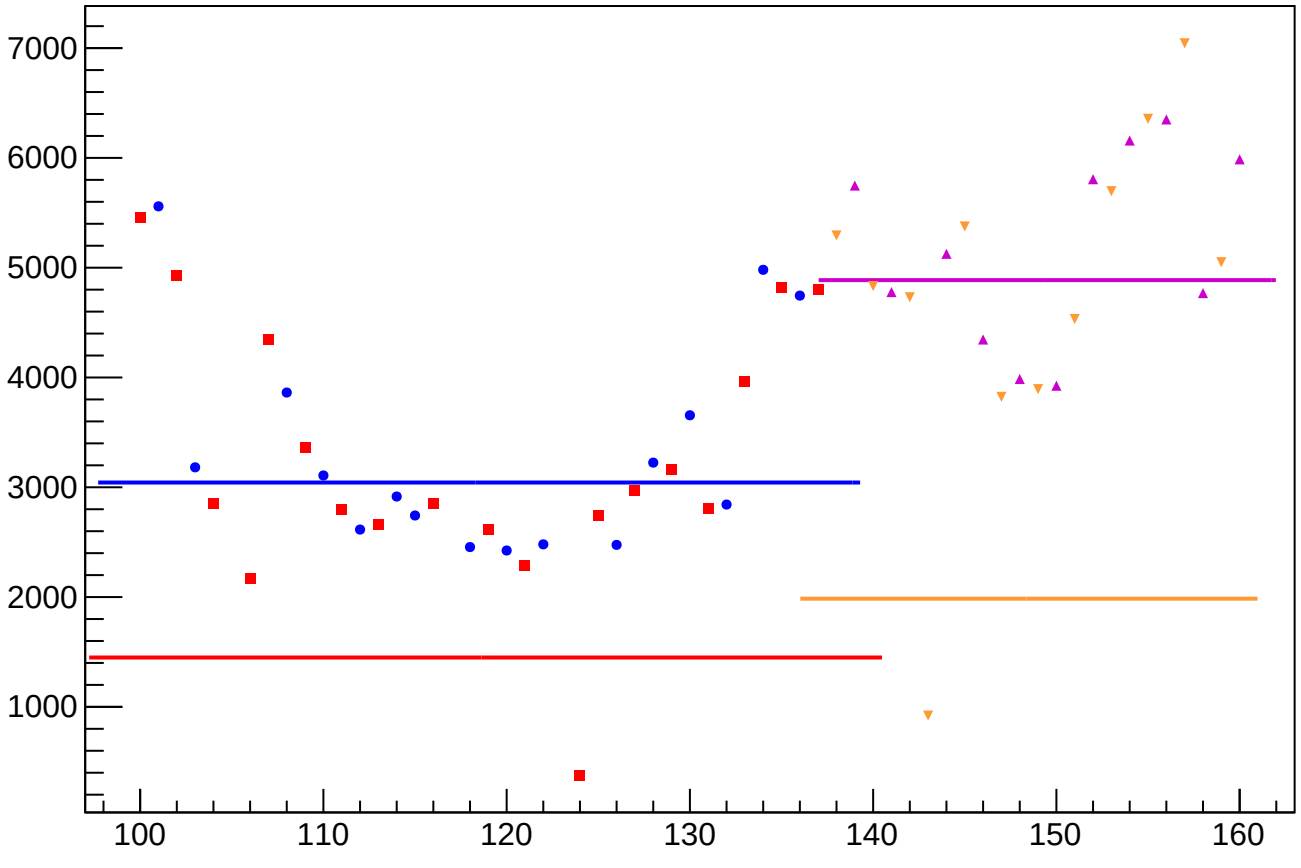
Left: -427.095+/-766.738 χ^2/NDF: 29.1/22

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 240.596+/-947.762 χ^2/NDF:22.0/26

Out: 209.805+/-560.484 χ^2/NDF:44.0/30

All: 217.783+/-482.437 χ^2/NDF: 66.0/57



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: 4886.735+/-1.137 χ^2/NDF:524892.6/10

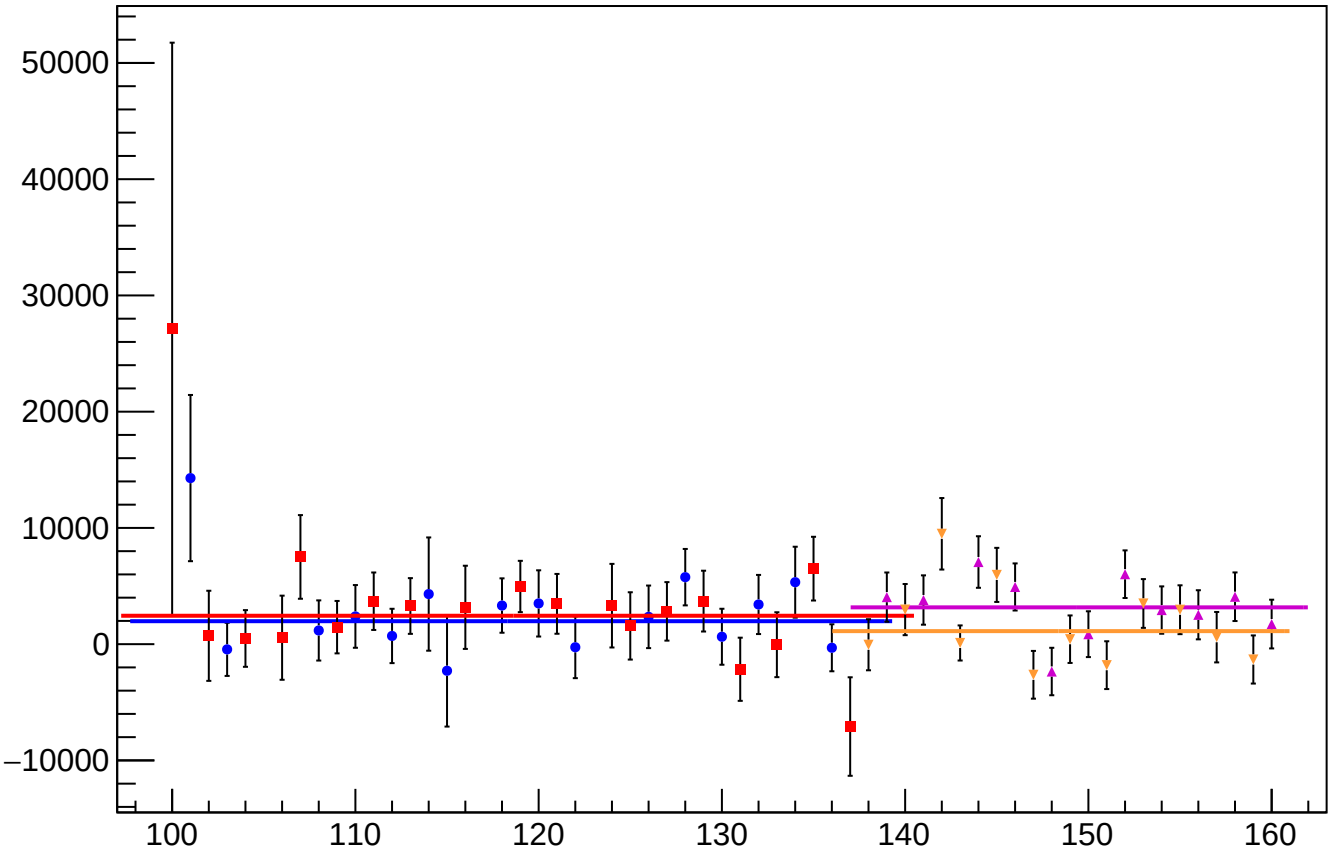
Left: 2645.118+/-0.542 χ^2/NDF: 14077734.1/22

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3683.750+/-0.670 χ^2/NDF:3146078.4/26

Out: 1670.752+/-0.396 χ^2/NDF:15790621.3/30

All: 2192.338+/-0.341 χ^2/NDF: 25621257.9/5



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1121.217+/-602.450 χ^2/NDF:22.2/11

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3166.386+/-626.258 χ^2/NDF:15.5/10

Left: 2104.188+/-434.169 χ^2/NDF: 43.2/22

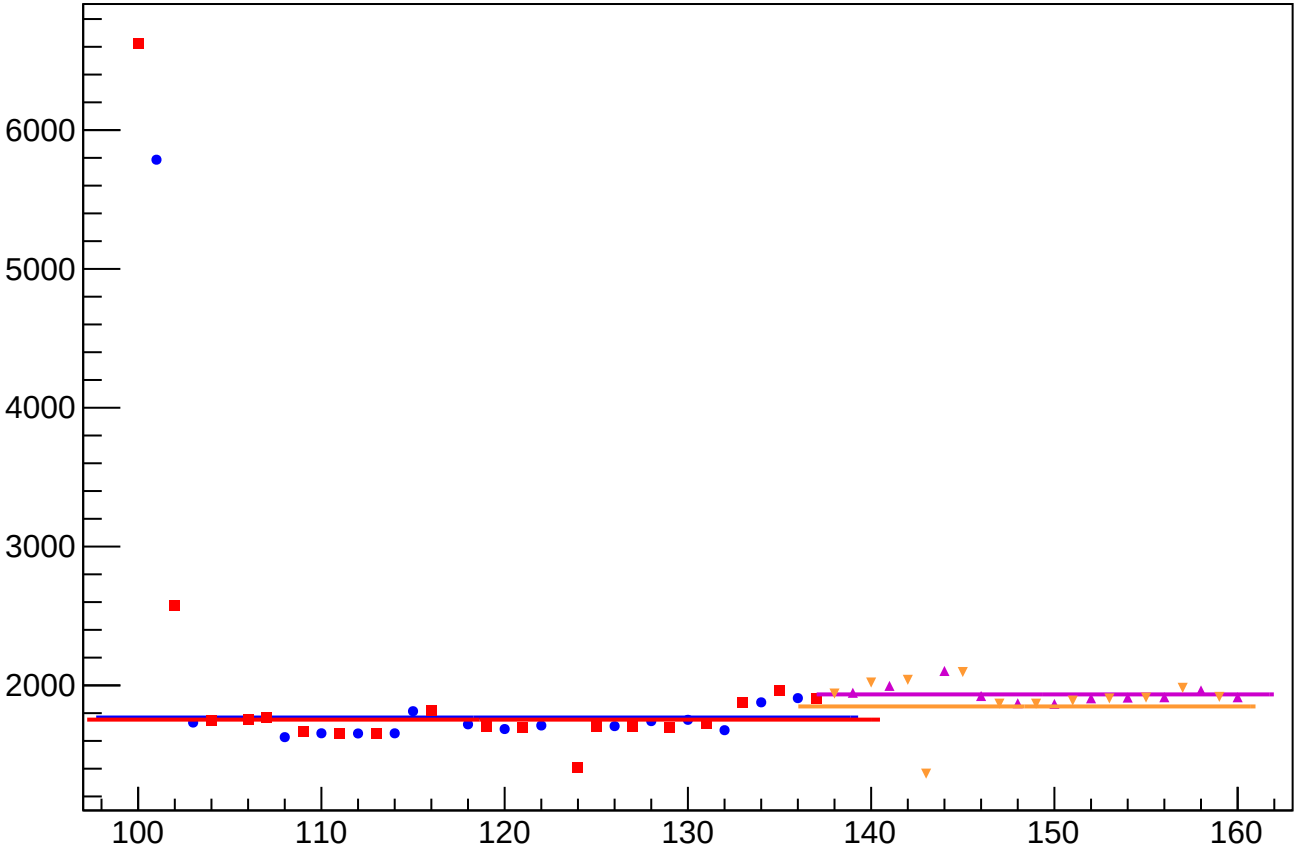
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2614.827+/-458.809 χ^2/NDF:29.6/26

Out: 1724.832+/-444.242 χ^2/NDF:41.8/30

All: 2155.476+/-319.152 χ^2/NDF: 73.4/57

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1848.331+/-0.426 χ^2/NDF:266258.8/11

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1935.135+/-0.443 χ^2/NDF:19131.4/10

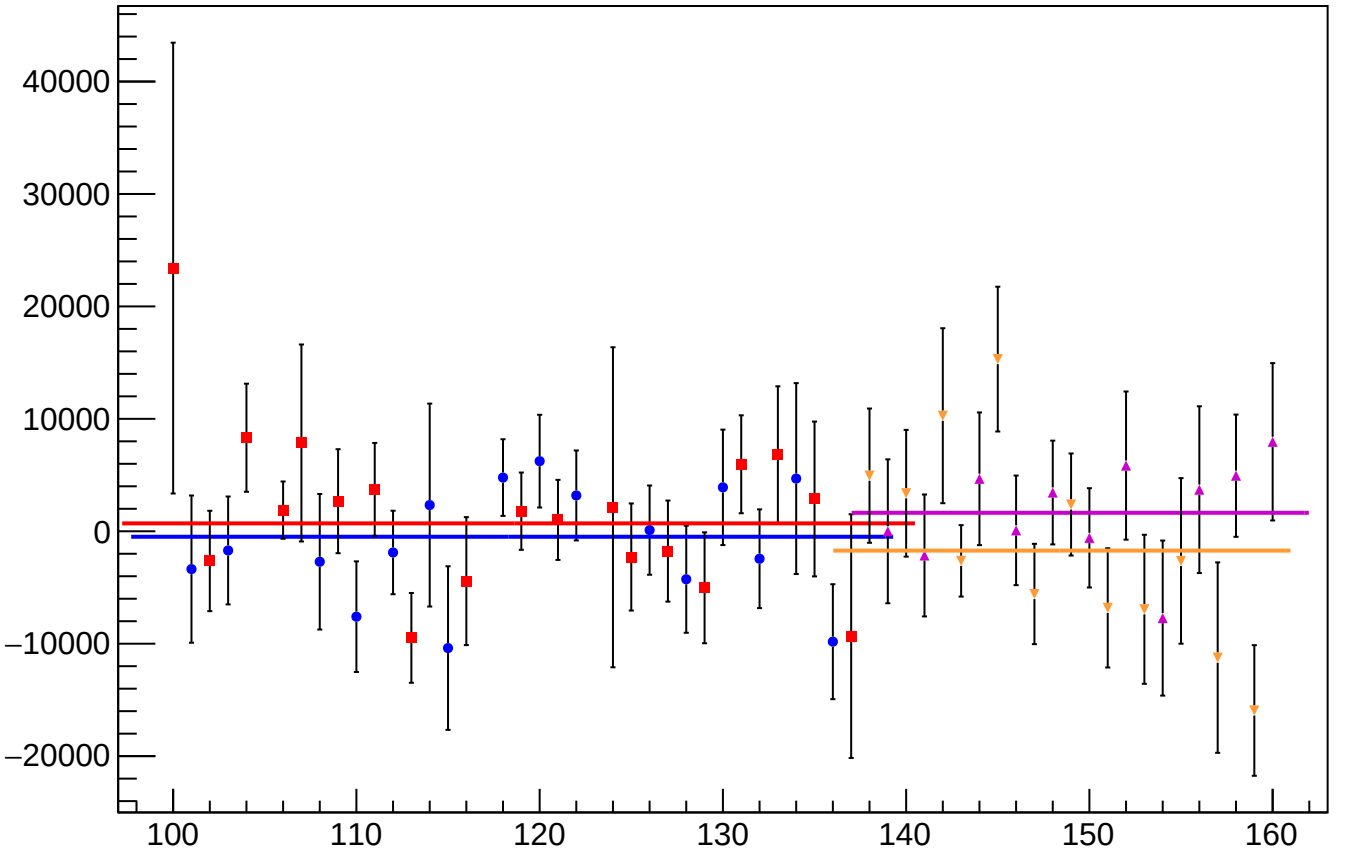
Left: 1890.052+/-0.307 χ^2/NDF: 305346.6/22

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1857.929+/-0.324 χ^2/NDF:752112.5/26

Out: 1804.885+/-0.314 χ^2/NDF:507854.5/30

All: 1830.520+/-0.226 χ^2/NDF: 1273780.4/57



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: 1643.614+/-1704.990 χ^2/NDF:4.8/10

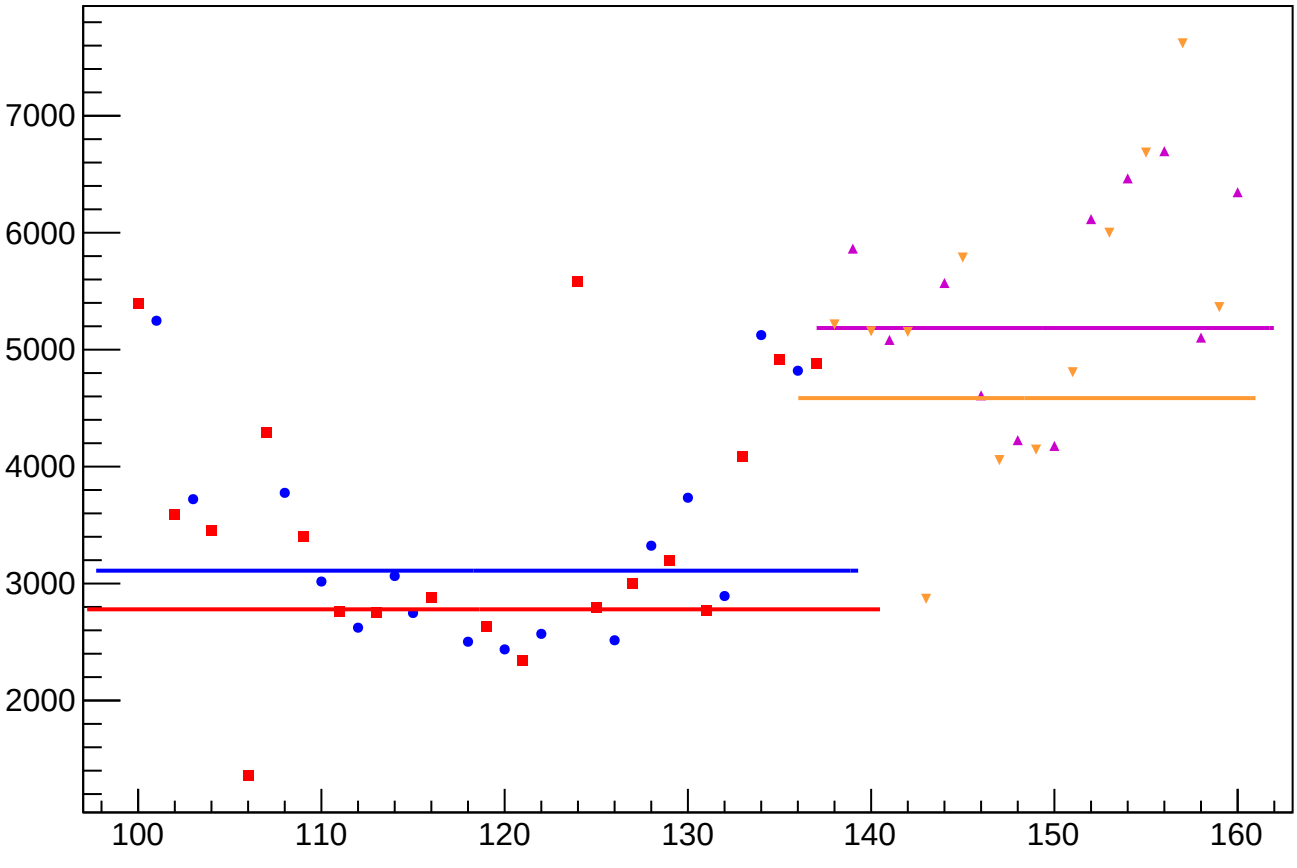
Left: -201.569+/-1145.270 χ^2/NDF: 28.9/22

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 216.880+/-980.498 χ^2/NDF:21.6/26

Out: -80.571+/-879.527 χ^2/NDF:42.4/30

All: 52.055+/-654.716 χ^2/NDF: 64.1/57



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: 5185.209+/-1.206 χ^2/NDF:497775.5/10

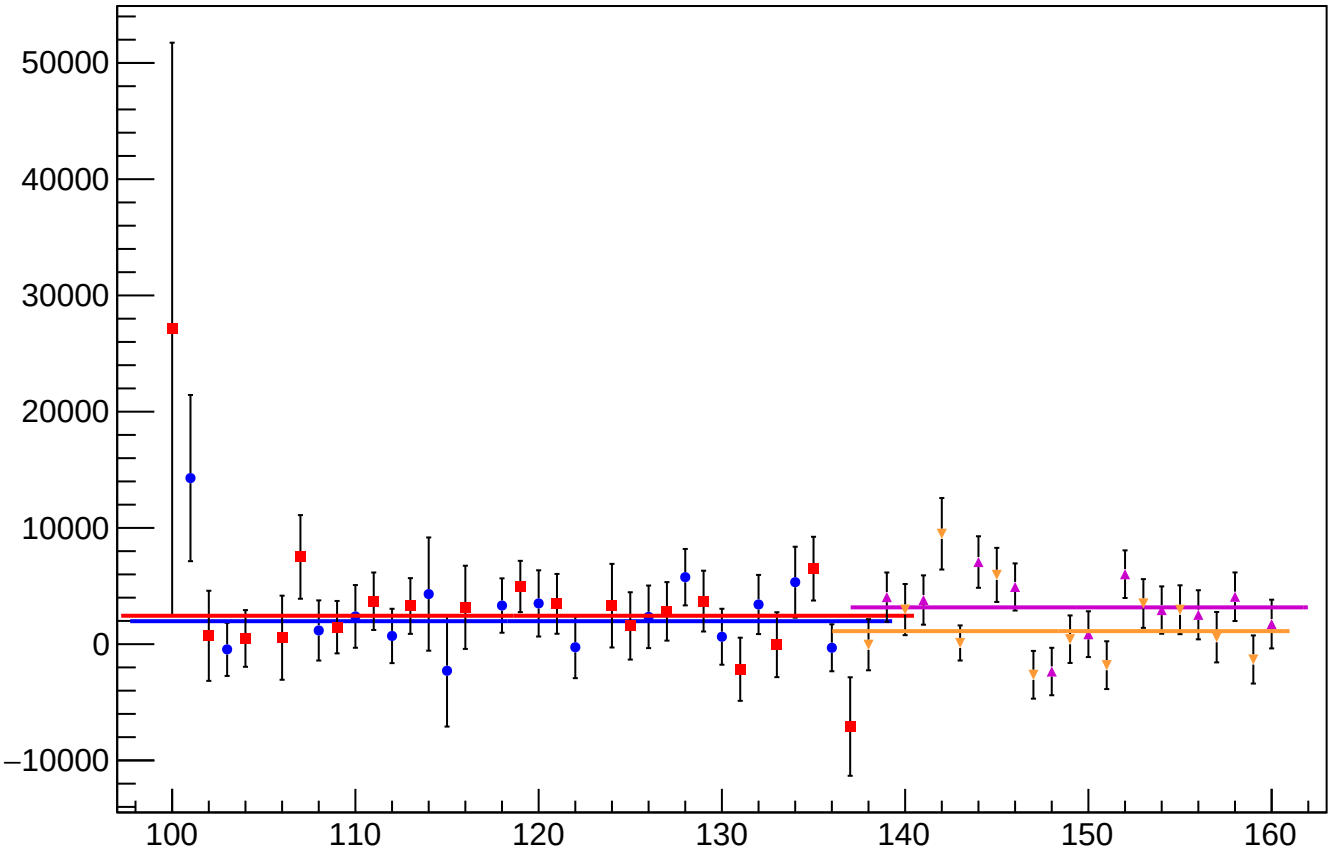
Left: 4856.246+/-0.810 χ^2/NDF: 1936838.5/22

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3796.385+/-0.693 χ^2/NDF:3363786.4/26

Out: 3364.215+/-0.622 χ^2/NDF:4497819.0/30

All: 3556.909+/-0.463 χ^2/NDF: 8076909.7/57



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: 3166.386+/-626.259 χ^2/NDF:15.5/10

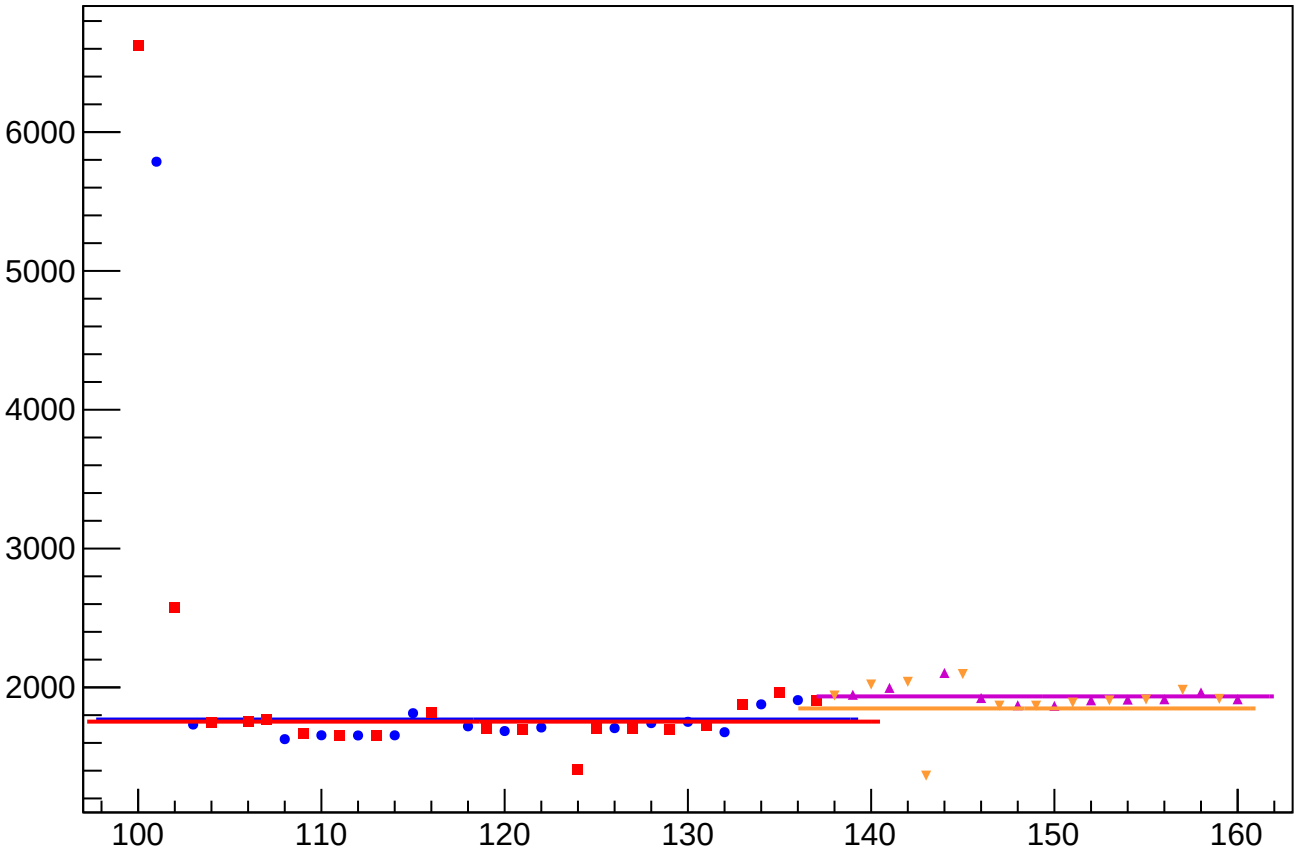
Left: 2104.186+/-434.170 χ^2/NDF: 43.2/22

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2614.827+/-458.809 χ^2/NDF:29.6/26

Out: 1724.831+/-444.242 χ^2/NDF:41.8/30

All: 2155.476+/-319.152 χ^2/NDF: 73.4/57



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: 1935.136+/-0.443 χ^2/NDF:19131.7/10

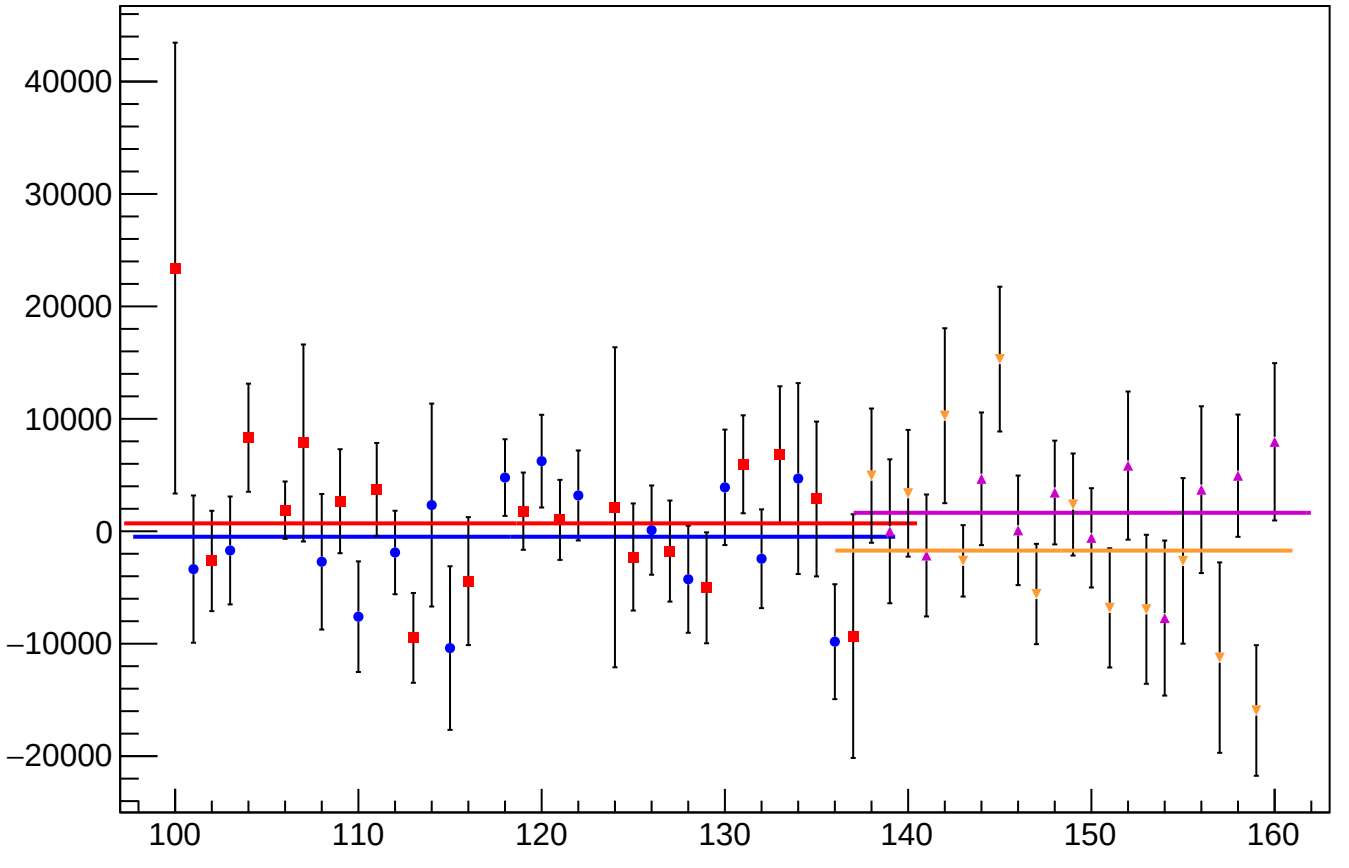
Left: 1890.053+/-0.307 χ^2/NDF: 305348.3/22

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1857.930+/-0.324 χ^2/NDF:752113.6/26

Out: 1804.886+/-0.314 χ^2/NDF:507856.3/30

All: 1830.520+/-0.226 χ^2/NDF: 1273783.4/57



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: 1643.615+/-1704.992 χ^2/NDF:4.8/10

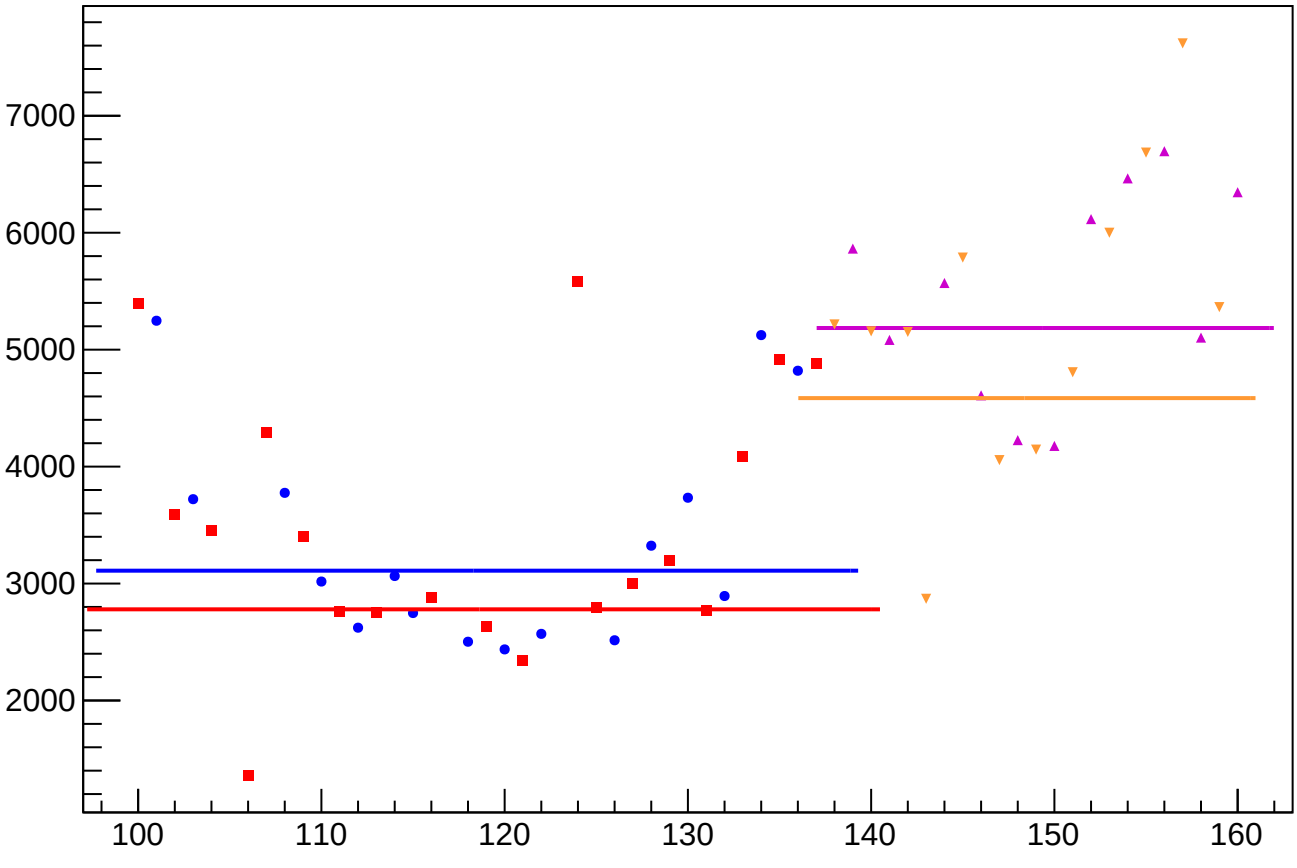
Left: -201.573+/-1145.272 χ^2/NDF: 28.9/22

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 216.881+/-980.496 χ^2/NDF:21.6/26

Out: -80.567+/-879.525 χ^2/NDF:42.4/30

All: 52.057+/-654.715 χ^2/NDF: 64.1/57



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: 5185.214+/-1.206 χ^2/NDF:497778.7/10

Left: 4856.250+/-0.810 χ^2/NDF: 1936848.8/22

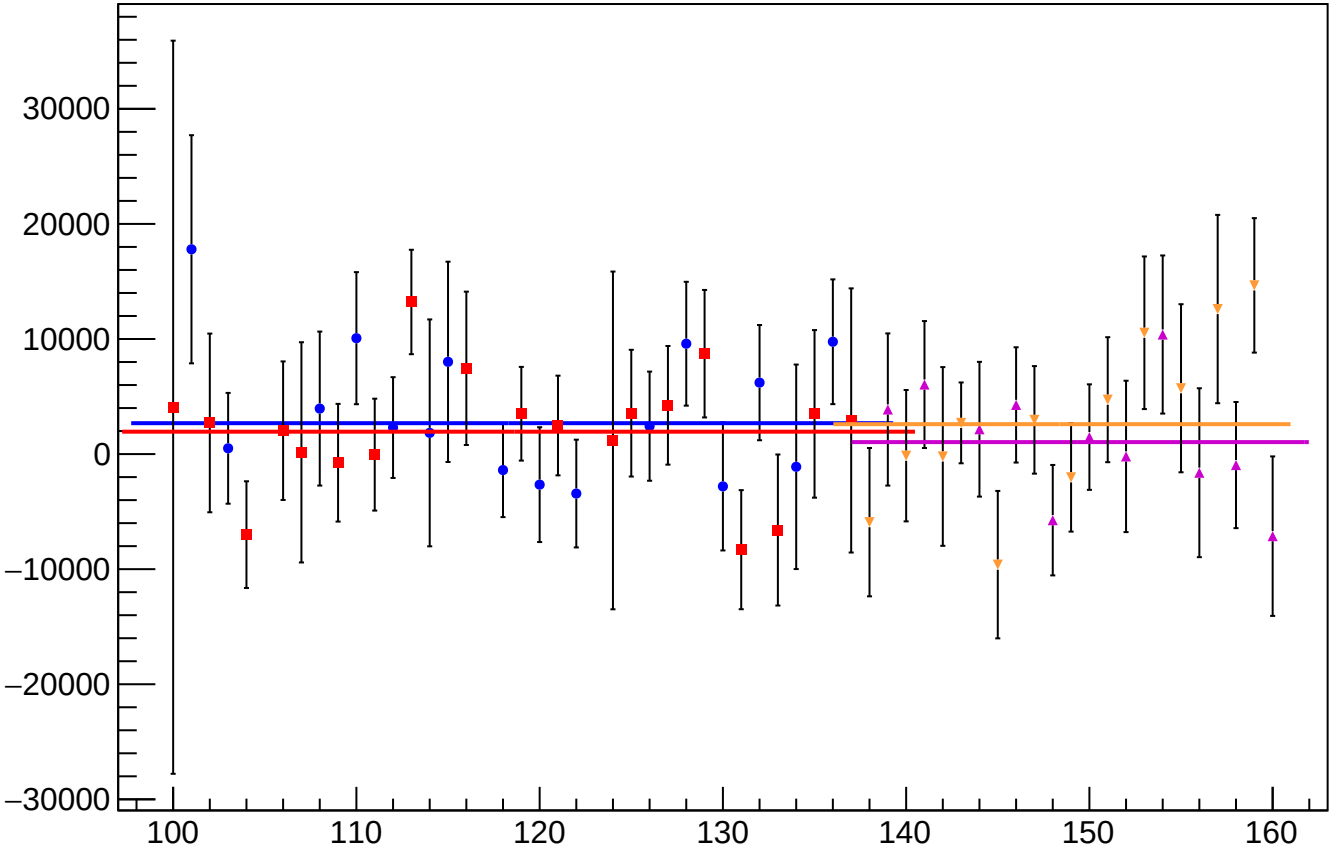
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3796.375+/-0.693 χ^2/NDF:3363832.5/26

Out: 3364.204+/-0.622 χ^2/NDF:4497880.5/30

All: 3556.898+/-0.463 χ^2/NDF: 8077020.1/57

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 1040.910+/-1733.567 χ^2/NDF:7.0/10

Left: 1878.647+/-1178.589 χ^2/NDF: 21.7/22

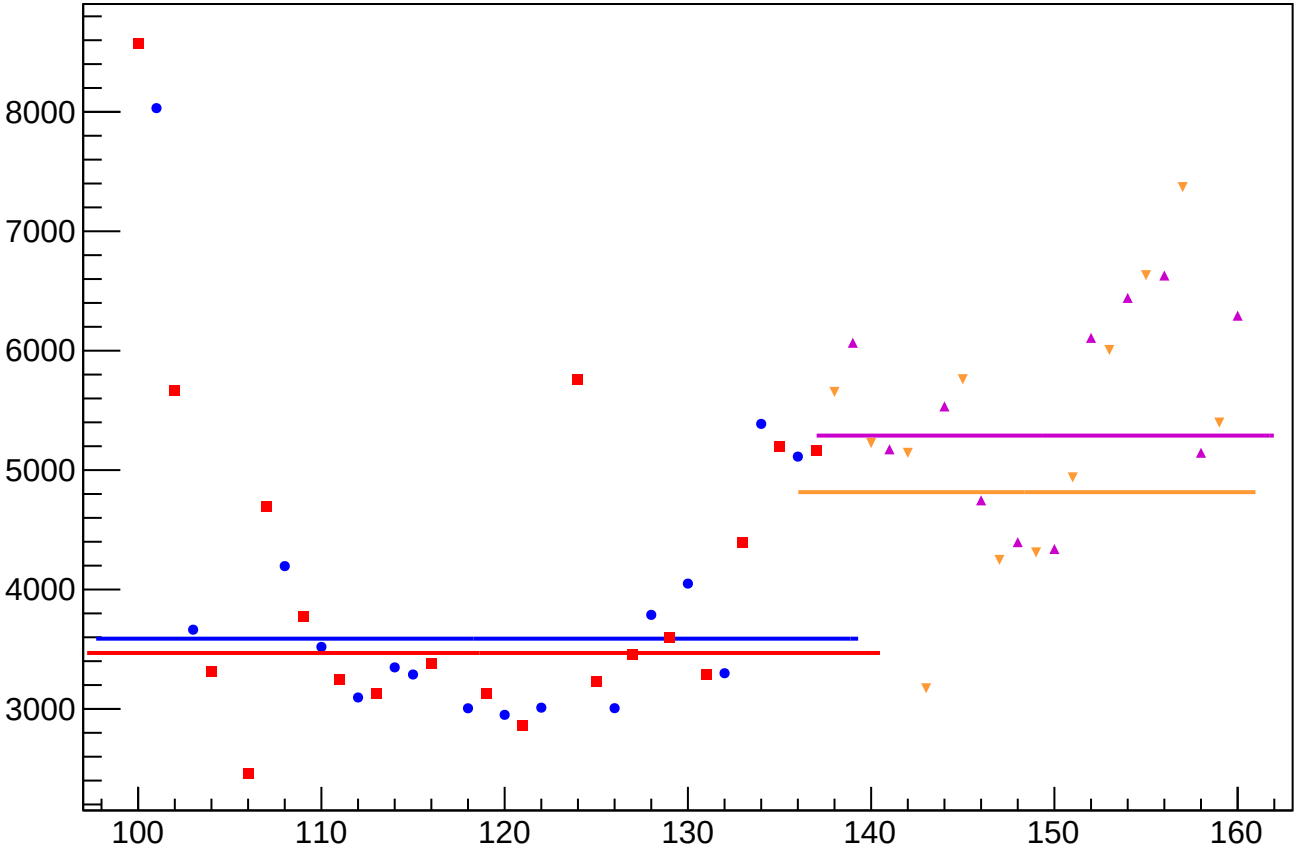
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2047.582+/-1079.633 χ^2/NDF:21.0/26

Out: 2211.808+/-1026.006 χ^2/NDF:33.0/30

All: 2133.875+/-743.732 χ^2/NDF: 54.1/57

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: 5289.053+/-1.226 χ^2/NDF:407800.3/10

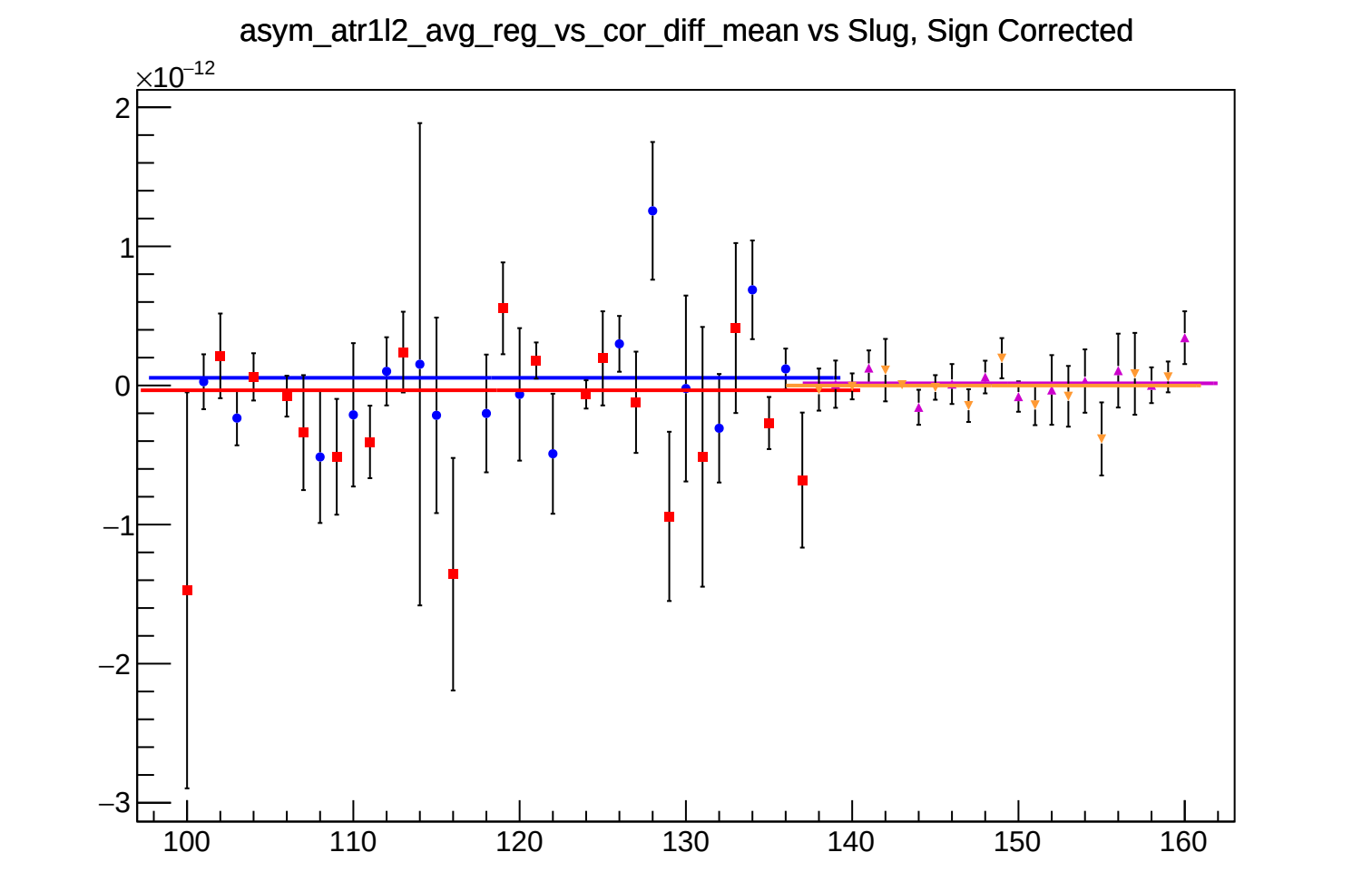
Left: 5034.372+/-0.833 χ^2/NDF: 1473560.1/22

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4248.027+/-0.763 χ^2/NDF:2431217.3/26

Out: 4007.616+/-0.719 χ^2/NDF:2494542.4/30

All: 4120.609+/-0.523 χ^2/NDF: 4978320.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/10

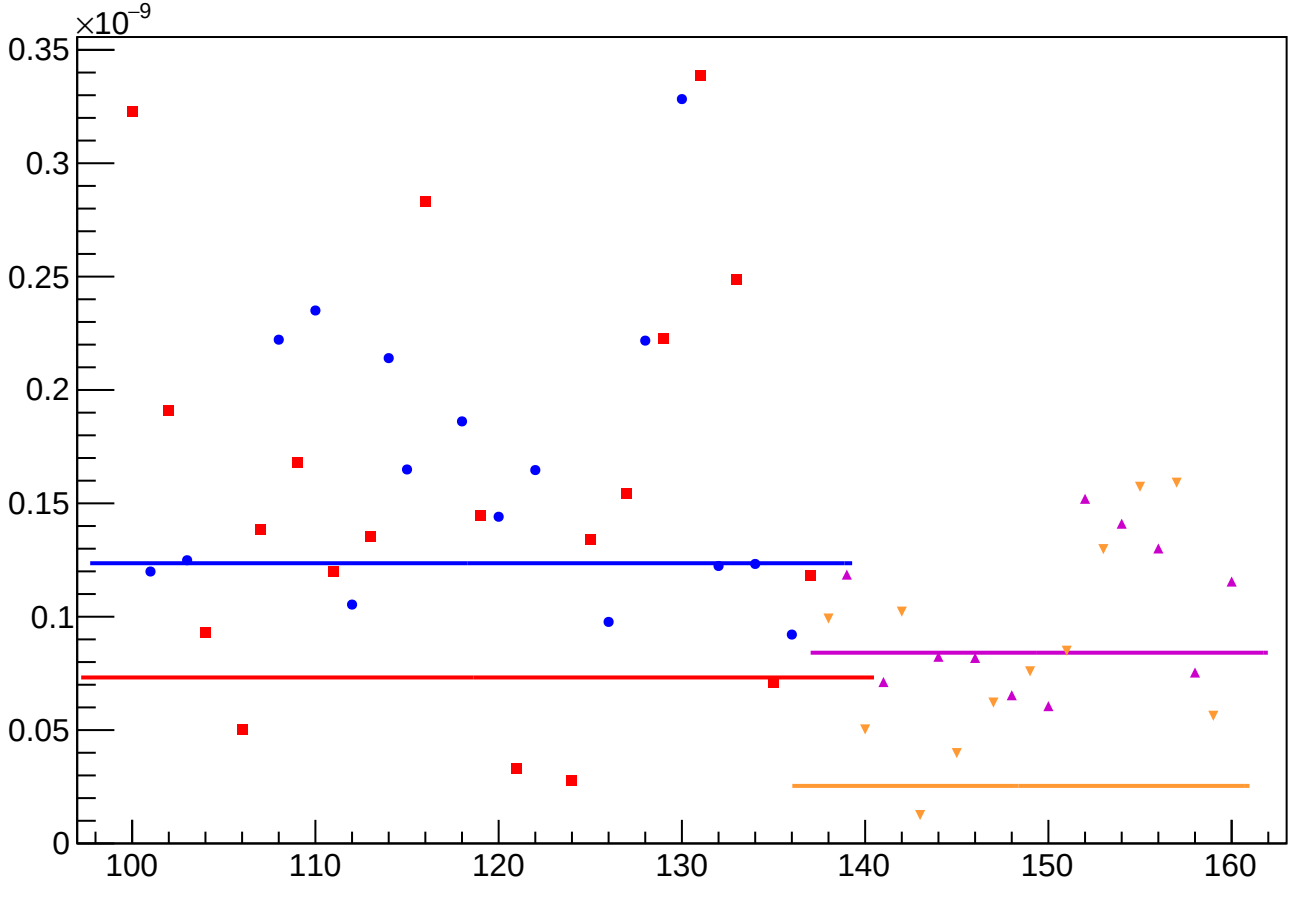
Left: 0.000+/-0.000 χ^2/NDF: 14.1/22

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: -0.000+/-0.000 χ^2/NDF:29.9/30

All: 0.000+/-0.000 χ^2/NDF: 55.1/57



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:644204.8/10

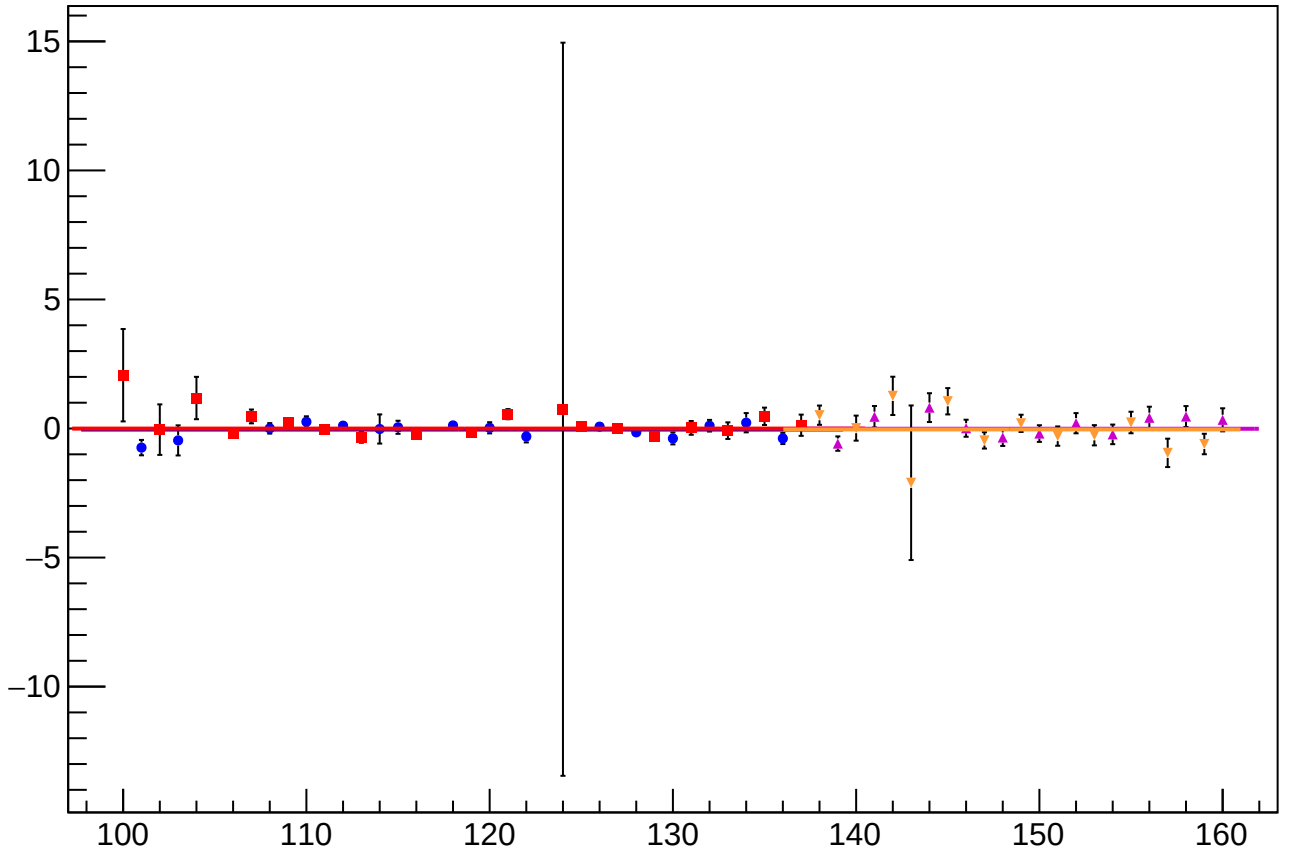
Left: 0.000+/-0.000 χ^2/NDF: 7418748.5/22

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1730772.6/26

Out: 0.000+/-0.000 χ^2/NDF:7477704.6/30

All: 0.000+/-0.000 χ^2/NDF: 13742298.8/57



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: -0.009+/-0.112 χ^2/NDF:12.7/10

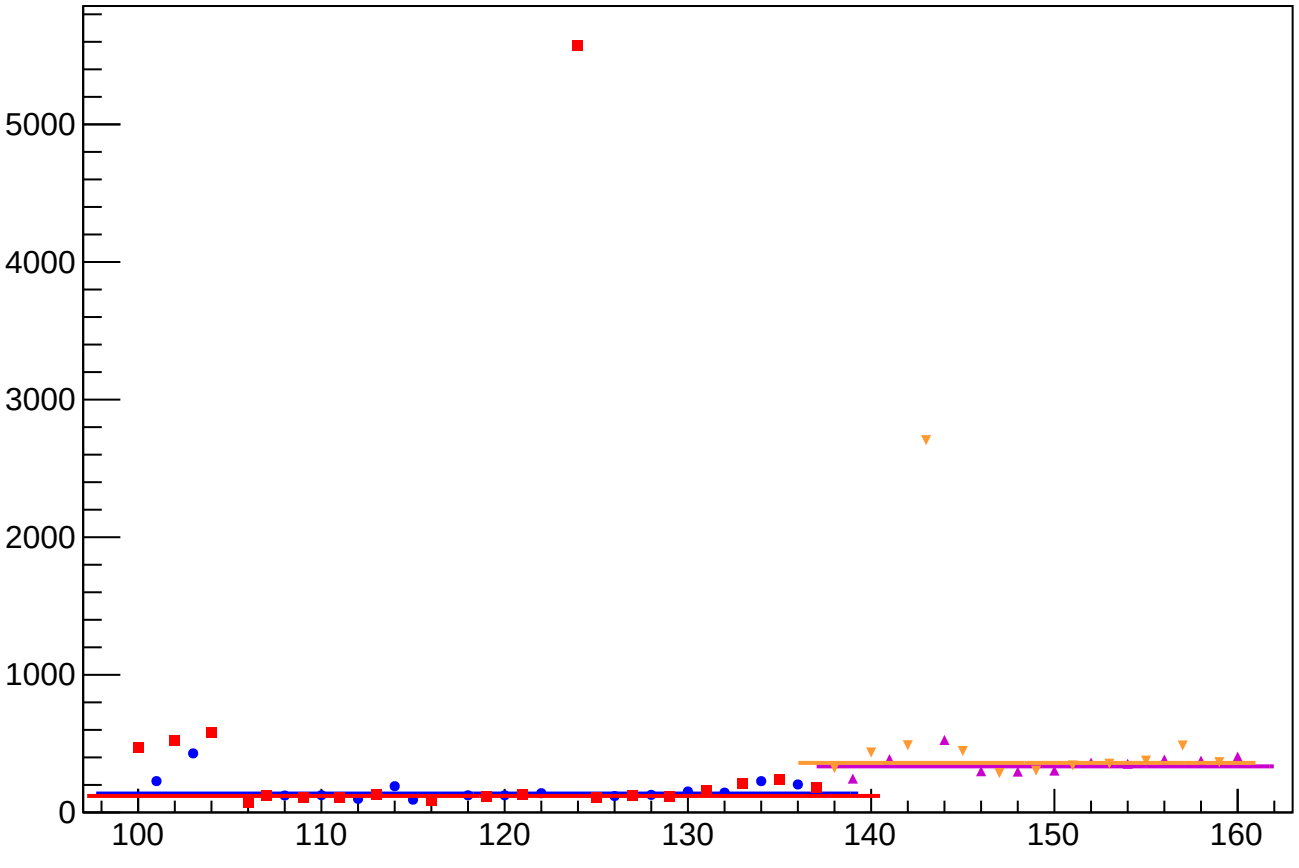
Left: -0.021+/-0.083 χ^2/NDF: 31.3/22

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.020+/-0.034 χ^2/NDF: 78.2/57



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: 334.934+/-0.079 χ^2/NDF:653385.5/10

Left: 346.223+/-0.059 χ^2/NDF: 2392912.6/22

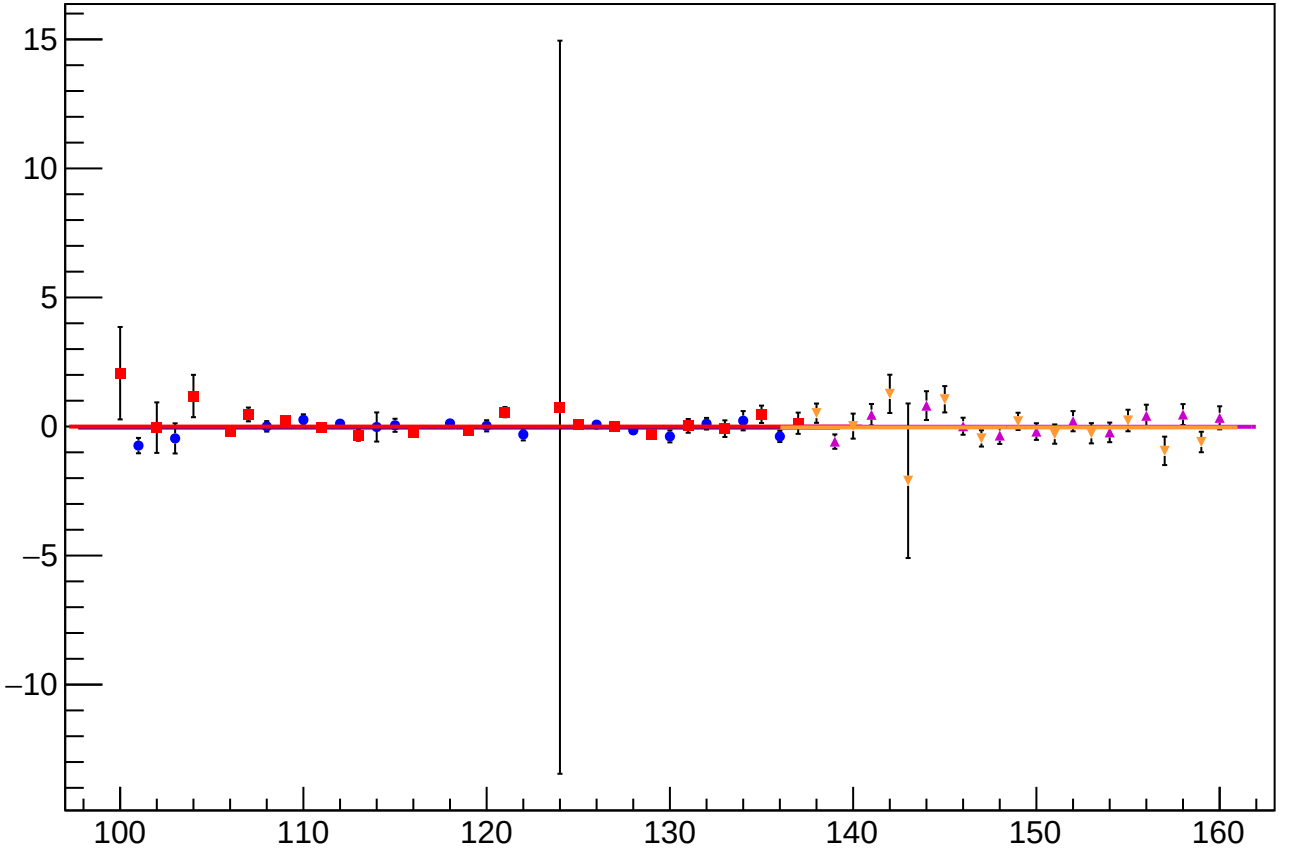
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 176.810+/-0.035 χ^2/NDF:6918499.2/26

Out: 154.758+/-0.033 χ^2/NDF:10267286.9/30

All: 165.137+/-0.024 χ^2/NDF: 17392188.1/57

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: -0.009+/-0.112 χ^2/NDF:12.7/10

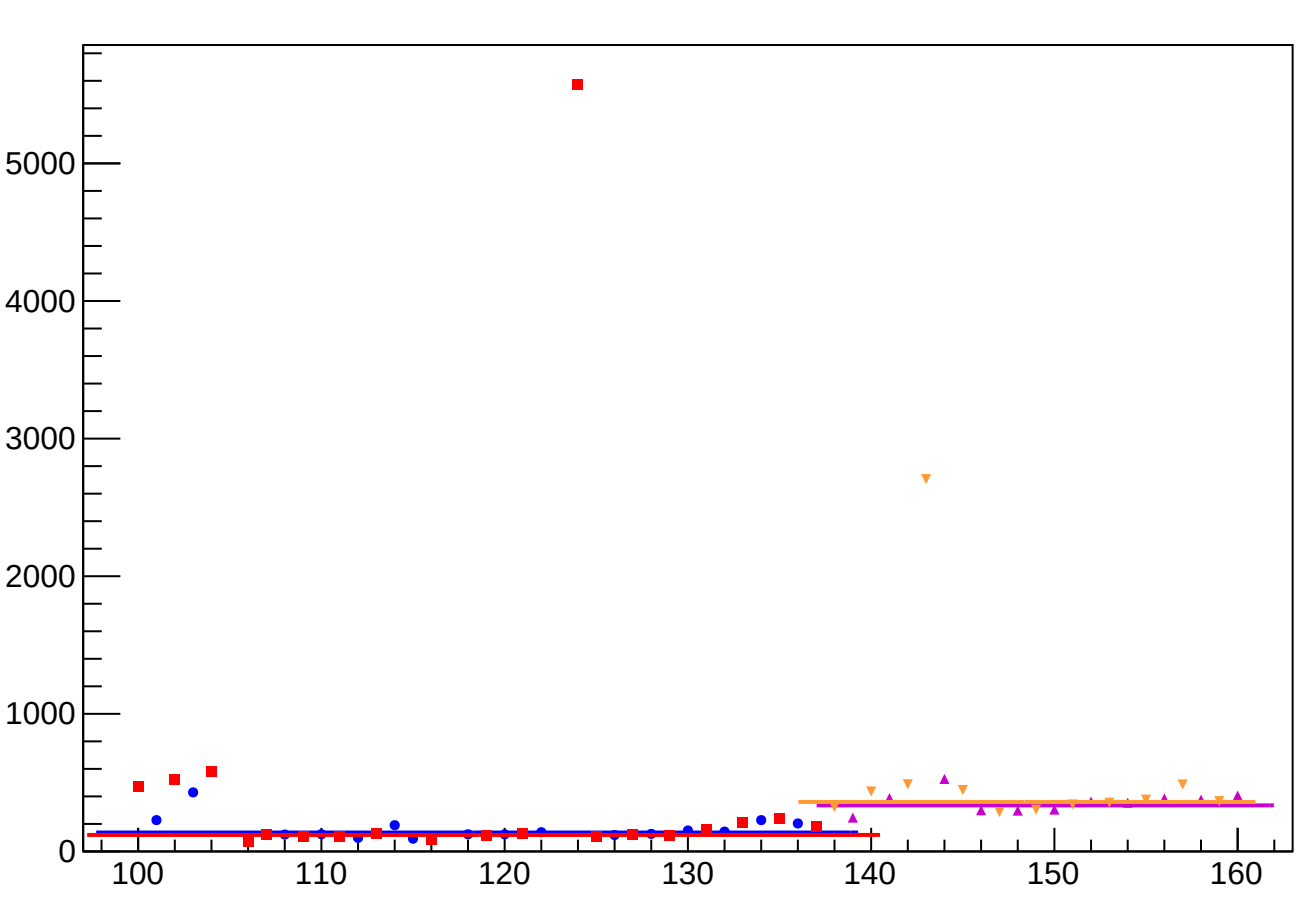
Left: -0.021+/-0.083 χ^2/NDF: 31.3/22

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.020+/-0.034 χ^2/NDF: 78.2/57



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: 334.934+/-0.079 χ^2/NDF:653385.5/10

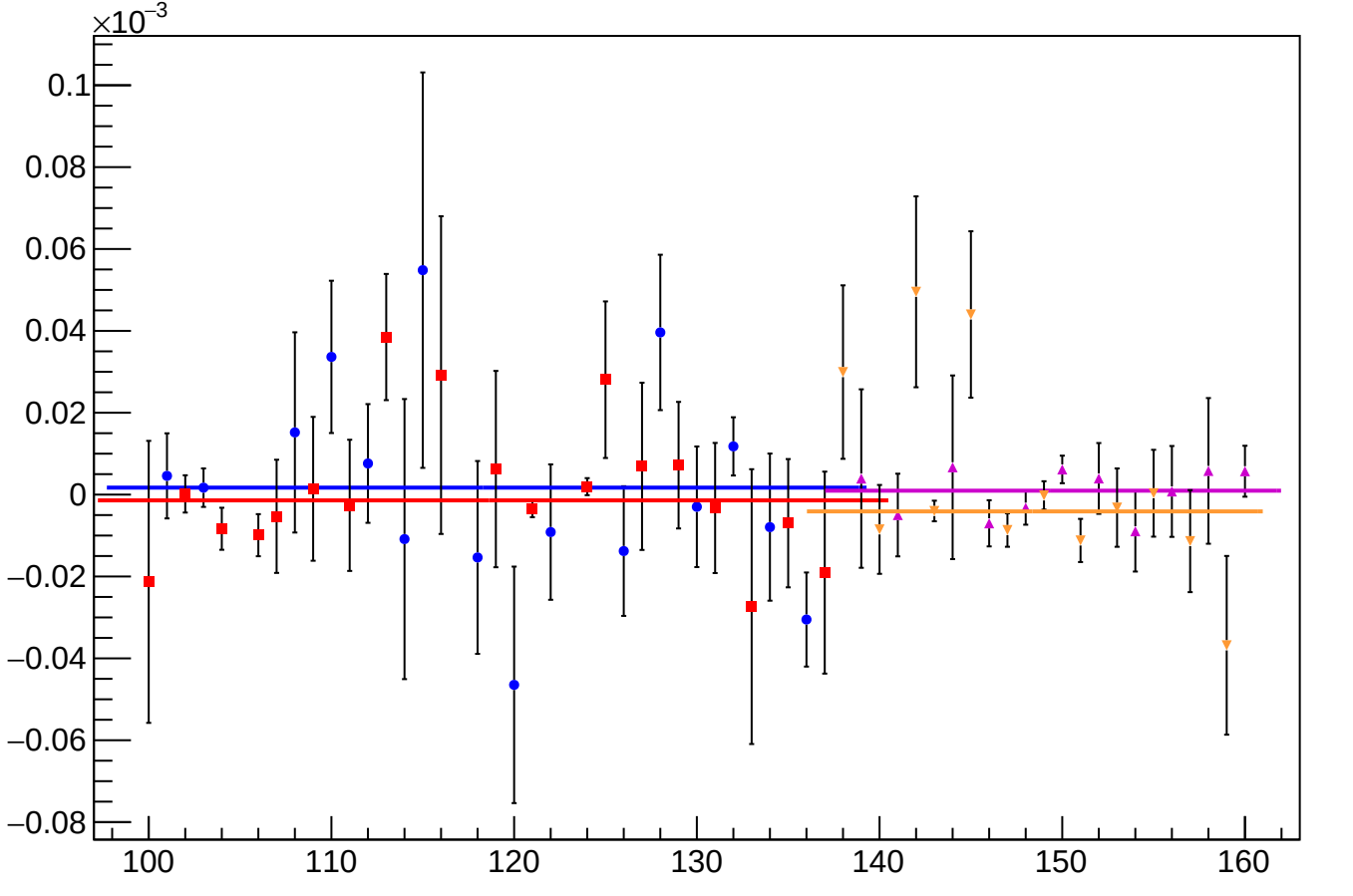
Left: 346.223+/-0.059 χ^2/NDF: 2392912.6/22

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 176.810+/-0.035 χ^2/NDF:6918499.2/26

Out: 154.758+/-0.033 χ^2/NDF:10267286.9/30

All: 165.137+/-0.024 χ^2/NDF: 17392188.1/57



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:7.6/10

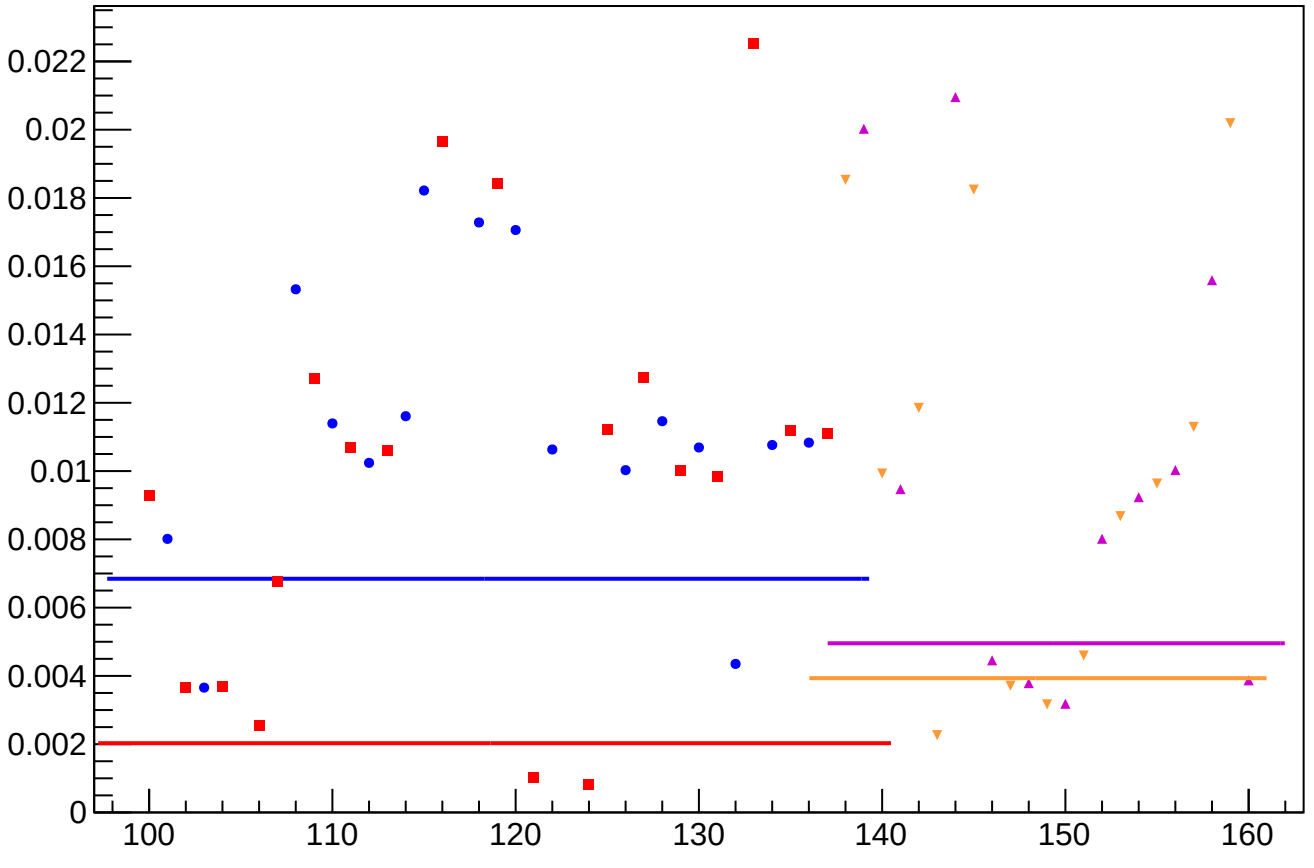
Left: -0.000+/-0.000 χ^2/NDF: 32.2/22

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.4/26

Out: -0.000+/-0.000 χ^2/NDF:42.7/30

All: -0.000+/-0.000 χ^2/NDF: 77.6/57



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:4923293.3/10

Left: 0.004+/-0.000 χ^2/NDF: 11913759.6/22

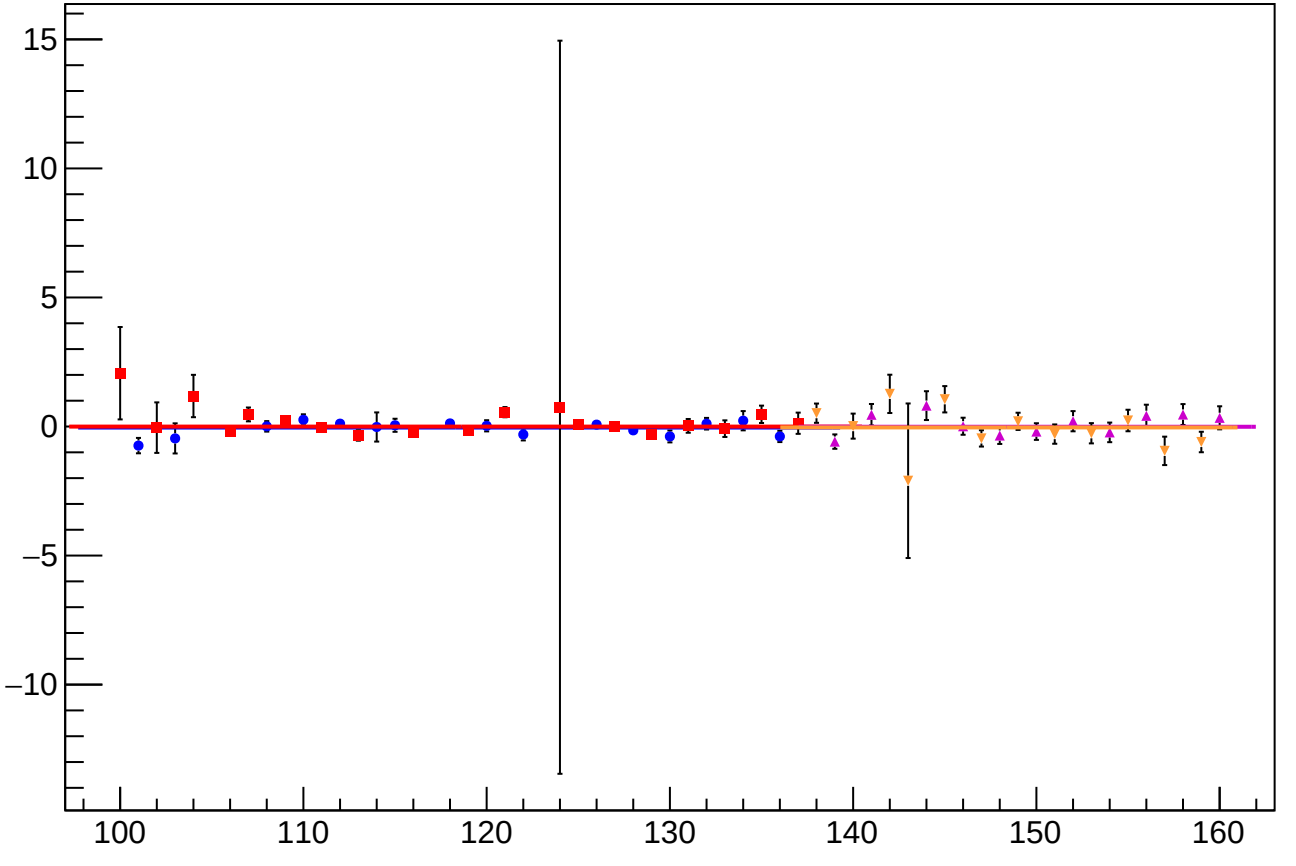
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:8713340.8/26

Out: 0.003+/-0.000 χ^2/NDF:17404597.6/30

All: 0.003+/-0.000 χ^2/NDF: 30331431.2/57

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: -0.009+/-0.112 χ^2/NDF:12.7/10

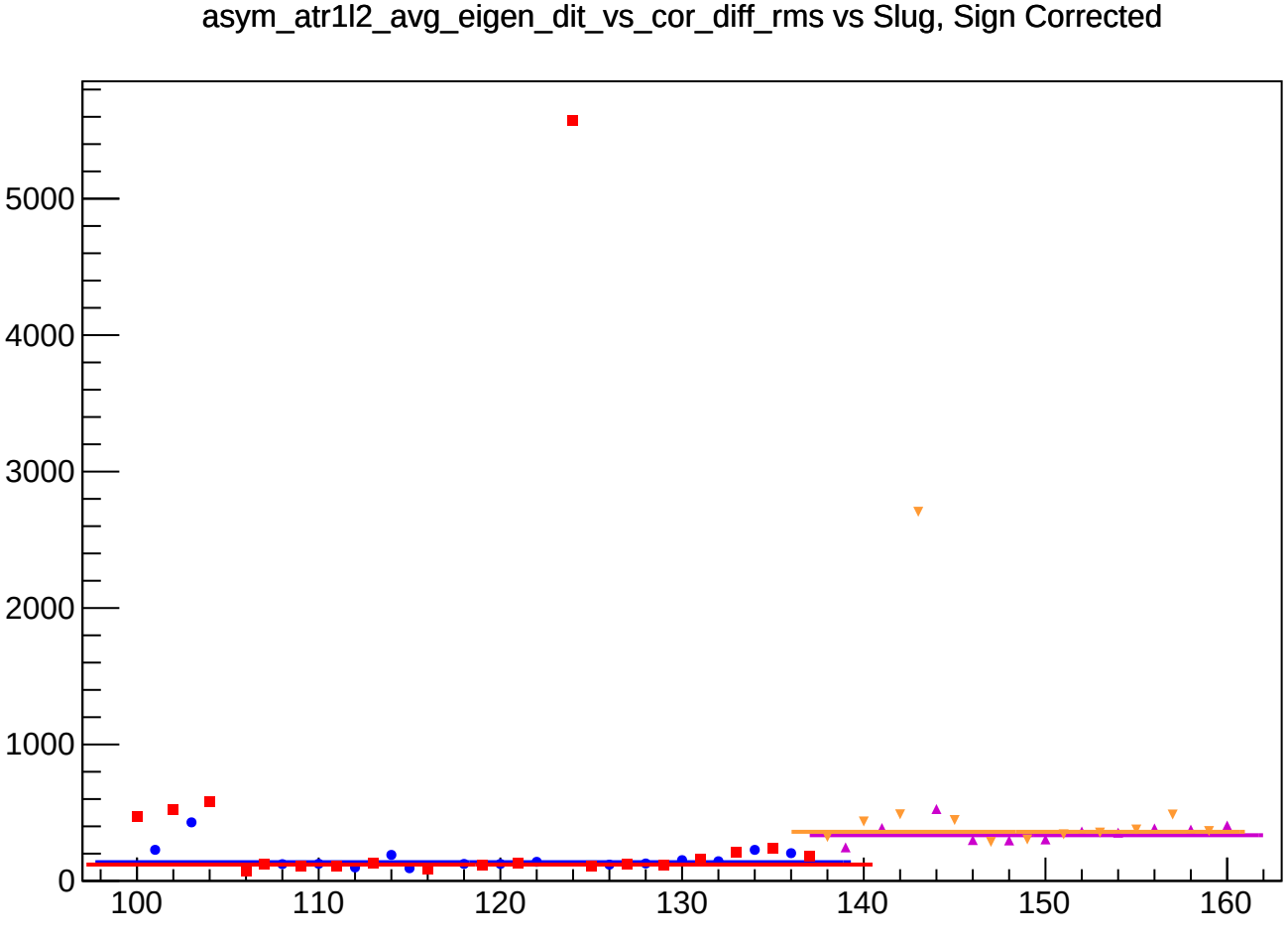
Left: -0.021+/-0.083 χ^2/NDF: 31.3/22

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.020+/-0.034 χ^2/NDF: 78.2/57



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: 334.939+/-0.079 χ^2/NDF:653379.4/10

Left: 346.227+/-0.059 χ^2/NDF: 2392940.8/22

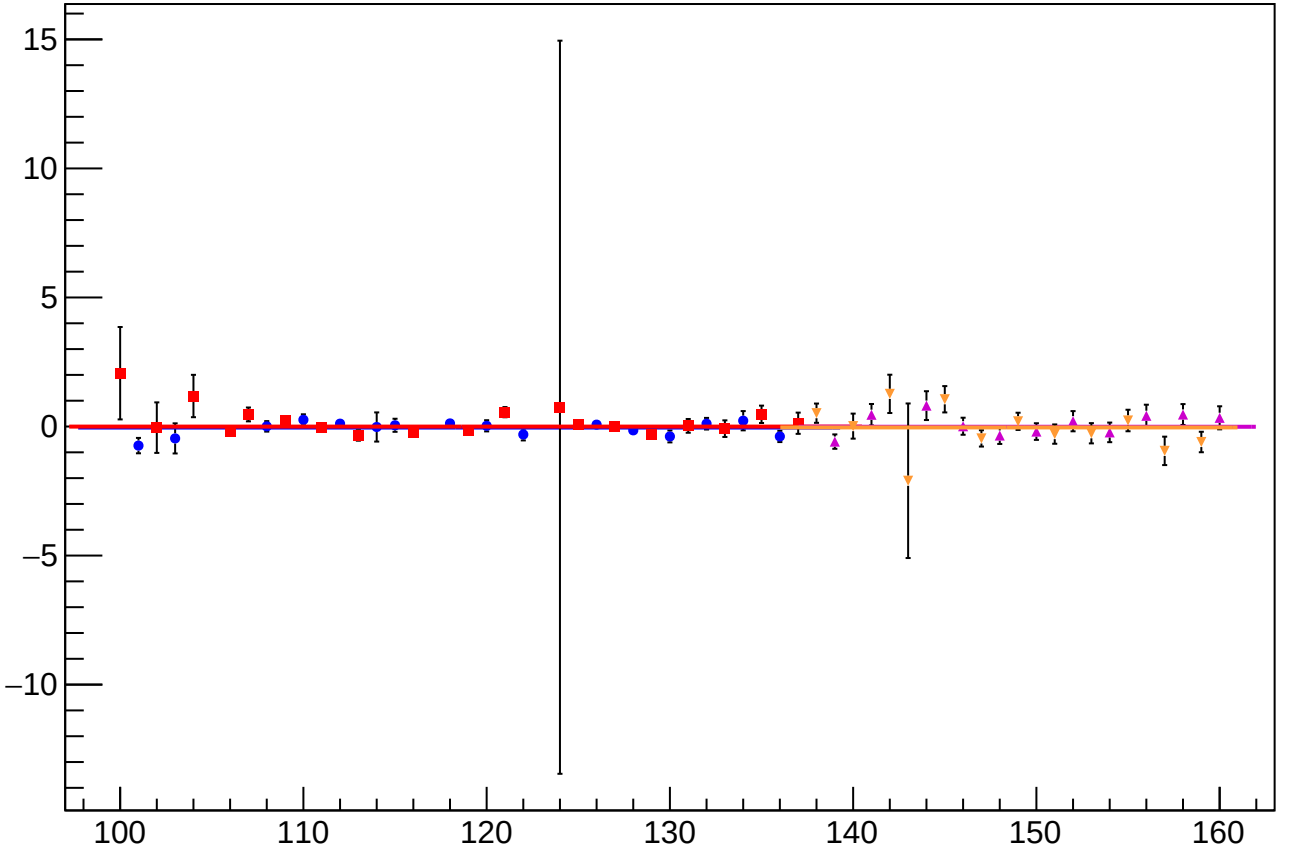
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 176.811+/-0.035 χ^2/NDF:6918502.7/26

Out: 154.757+/-0.033 χ^2/NDF:10267326.8/30

All: 165.138+/-0.024 χ^2/NDF: 17392254.3/57

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: -0.009+/-0.112 χ^2/NDF:12.7/10

Left: -0.021+/-0.083 χ^2/NDF: 31.3/22

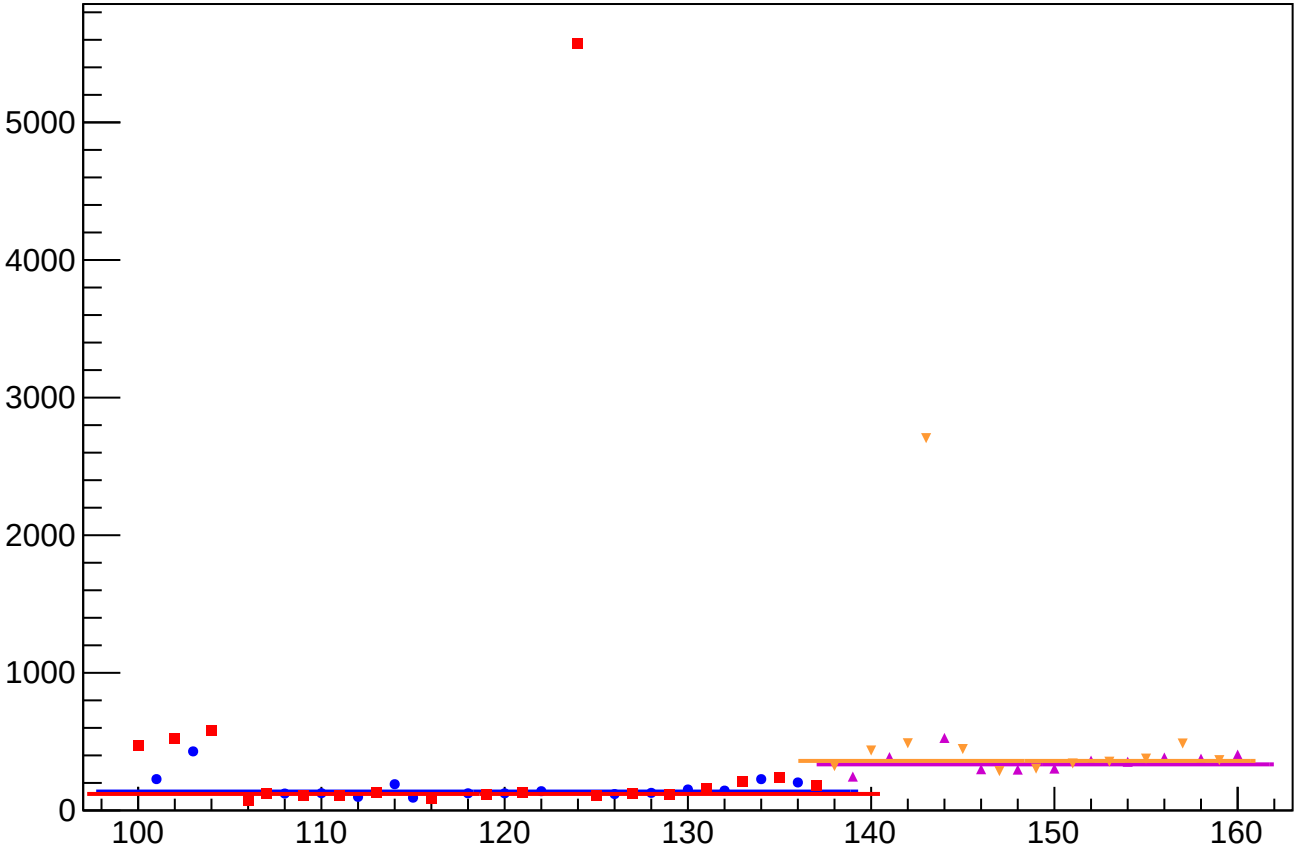
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.008+/-0.047 χ^2/NDF:47.4/30

All: -0.020+/-0.034 χ^2/NDF: 78.2/57

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: 334.939+/-0.079 χ^2/NDF:653379.4/10

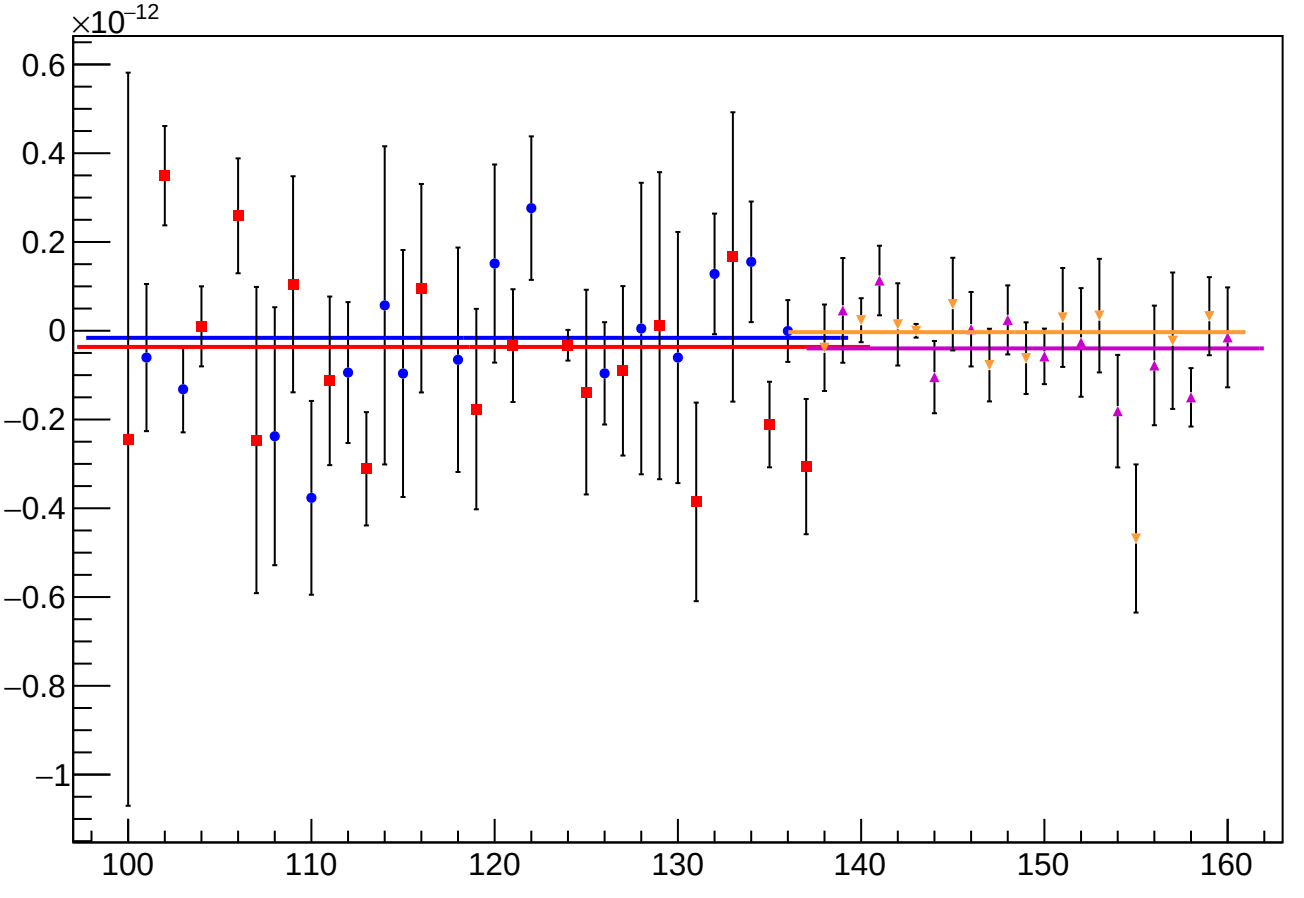
Left: 346.227+/-0.059 χ^2/NDF: 2392940.8/22

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 176.811+/-0.035 χ^2/NDF:6918502.7/26

Out: 154.757+/-0.033 χ^2/NDF:10267326.8/30

All: 165.138+/-0.024 χ^2/NDF: 17392254.3/57



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:10.2/10

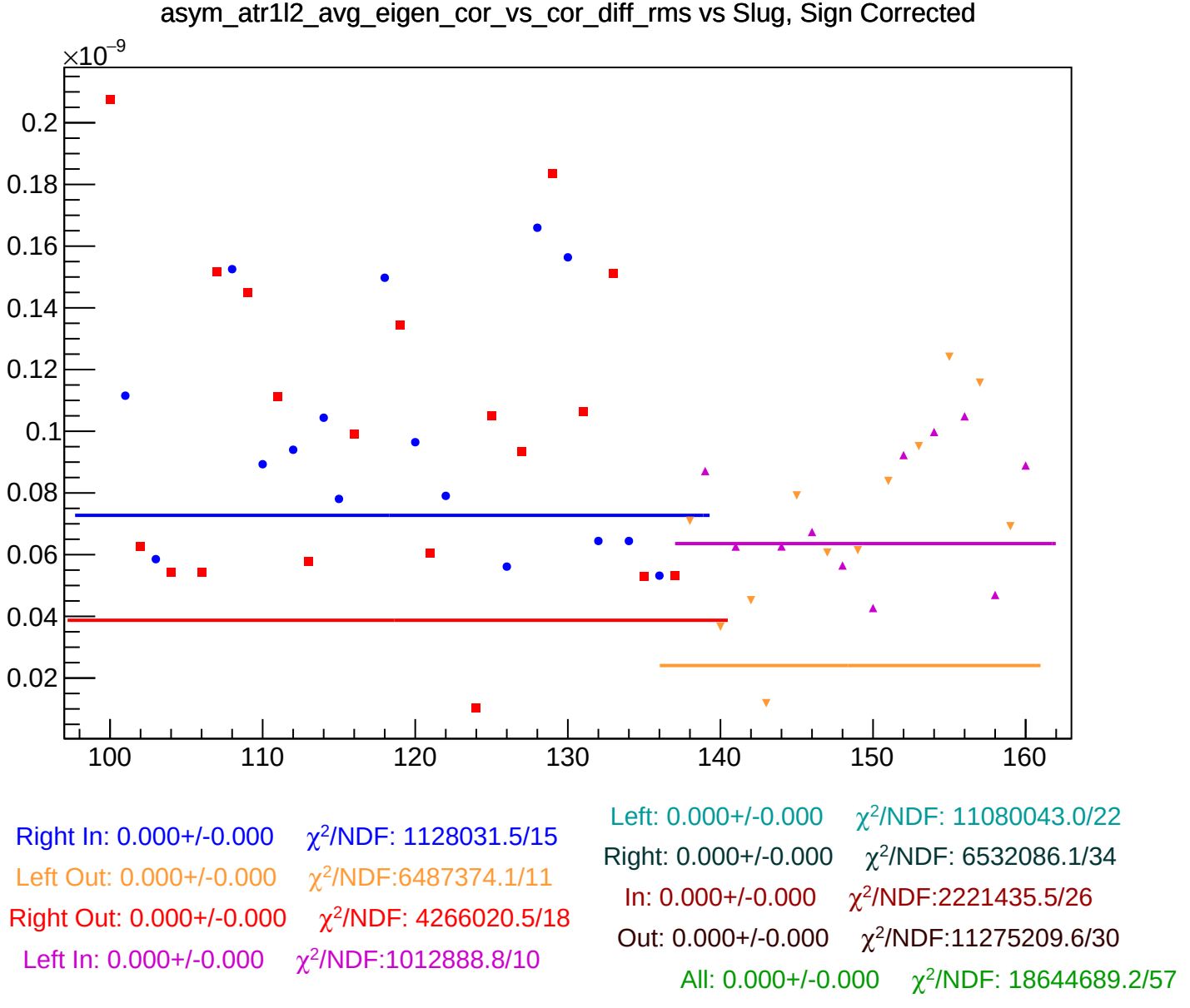
Left: -0.000+/-0.000 χ^2/NDF: 22.1/22

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

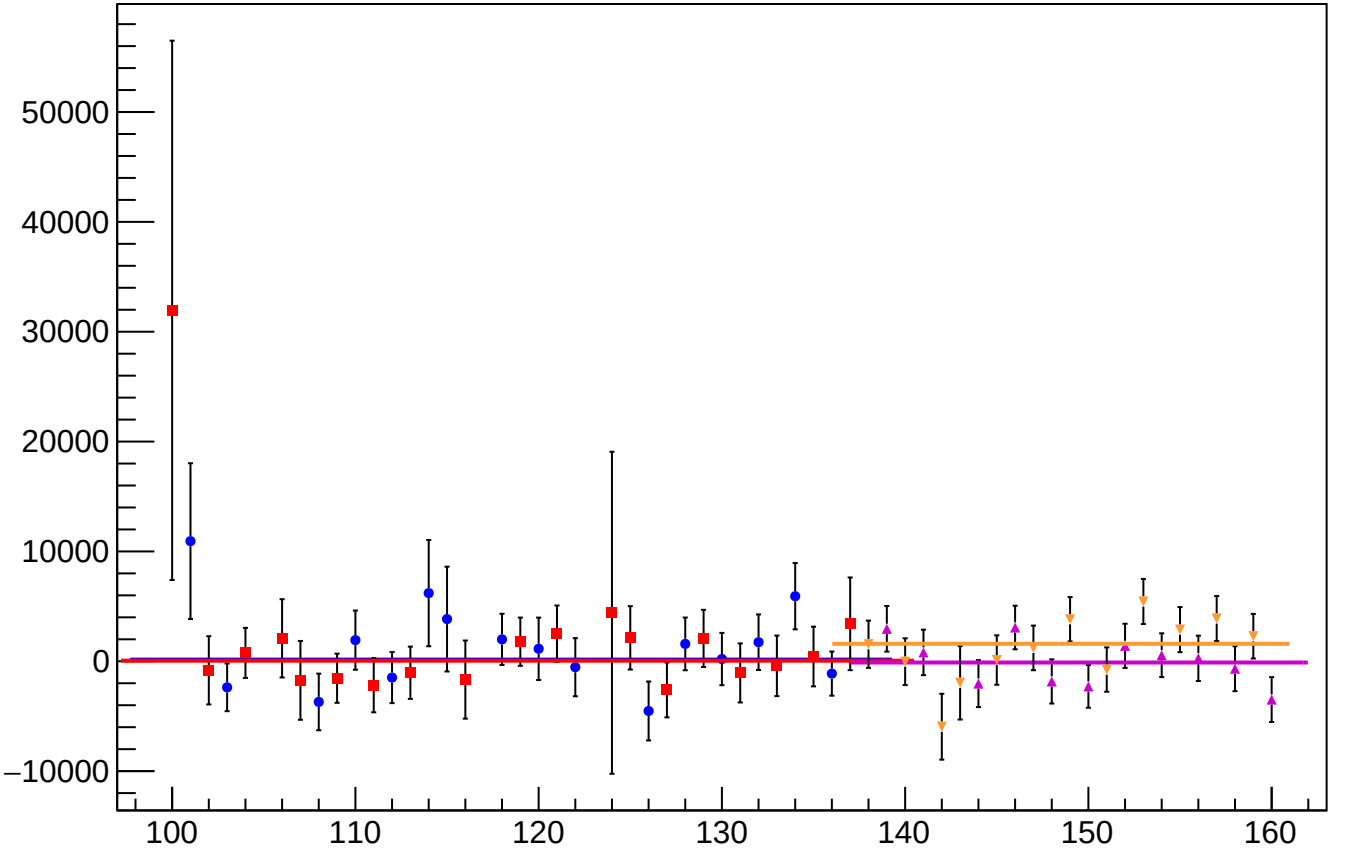
In: -0.000+/-0.000 χ^2/NDF:22.8/26

Out: -0.000+/-0.000 χ^2/NDF:44.8/30

All: -0.000+/-0.000 χ^2/NDF: 68.4/57


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:1012888.8/10
Left: 0.000+/-0.000 χ²/NDF: 11080043.0/22
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:2221435.5/26
Out: 0.000+/-0.000 χ²/NDF:11275209.6/30
All: 0.000+/-0.000 χ²/NDF: 18644689.2/57

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: -112.058+/-612.730 χ^2/NDF:11.3/10

Left: 716.947+/-439.049 χ^2/NDF: 31.4/22

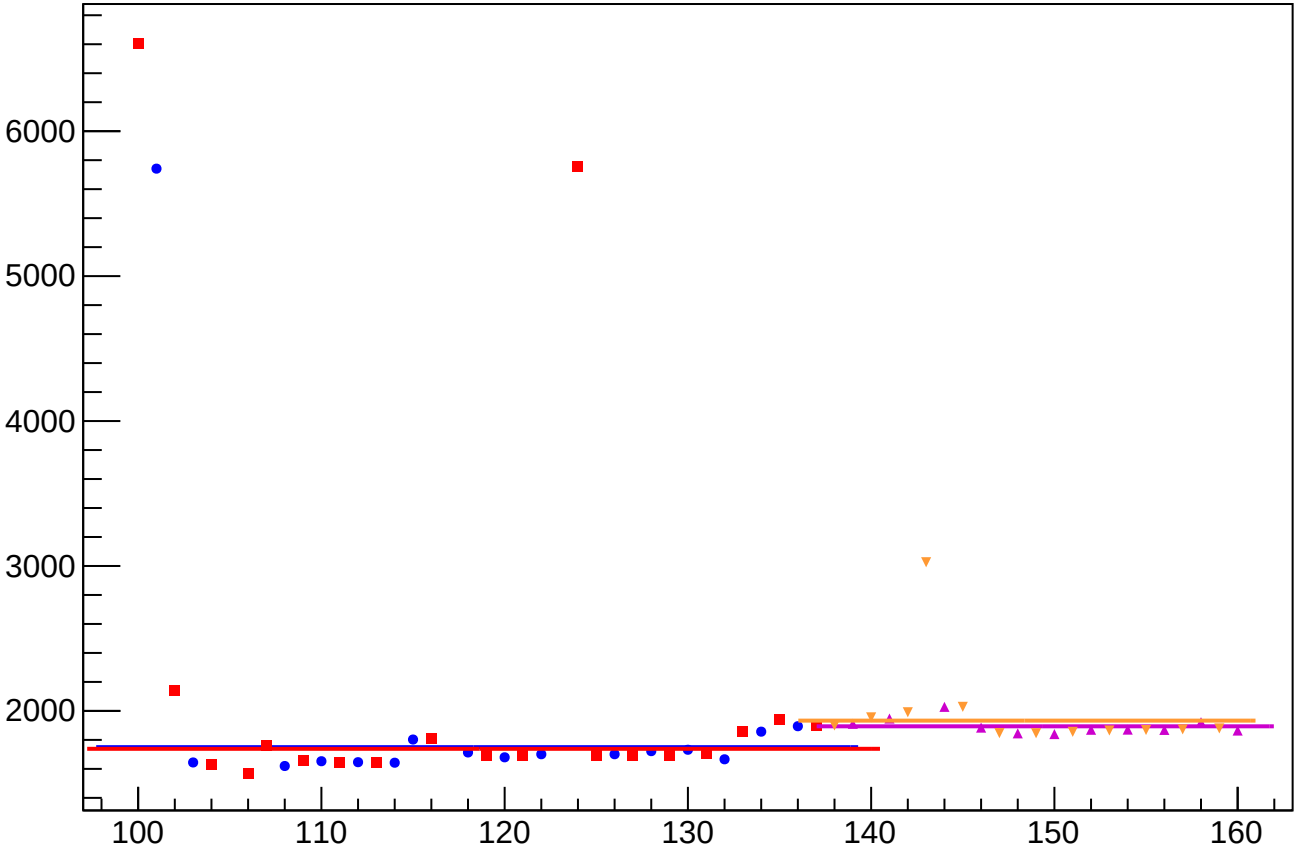
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 8.202+/-451.242 χ^2/NDF:29.0/26

Out: 853.842+/-453.931 χ^2/NDF:28.2/30

All: 428.510+/-320.023 χ^2/NDF: 59.0/57

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1893.718+/-0.433 χ^2/NDF:13719.5/10

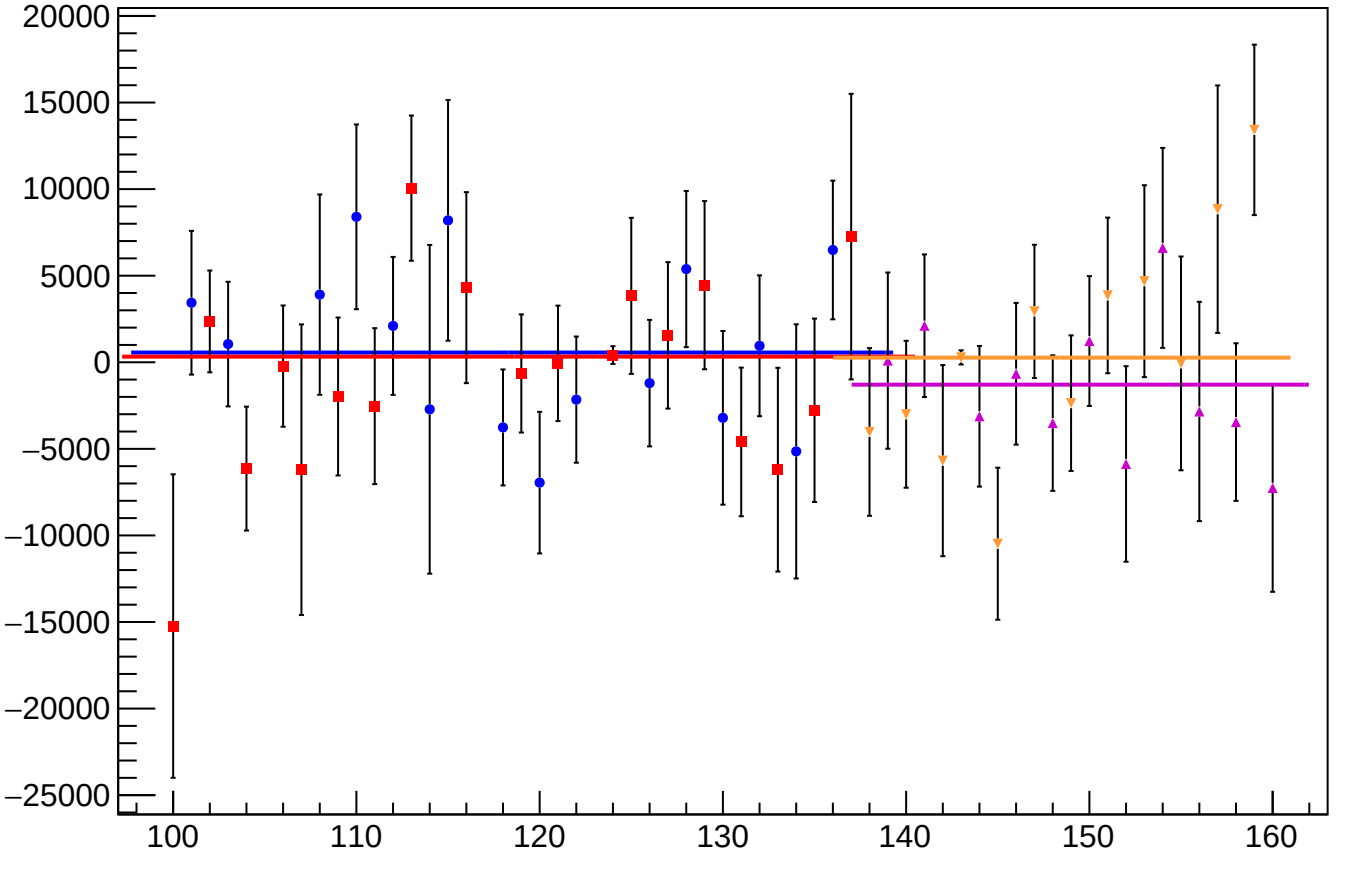
Left: 1912.835+/-0.310 χ^2/NDF: 253249.9/22

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1827.884+/-0.319 χ^2/NDF:733745.6/26

Out: 1838.946+/-0.320 χ^2/NDF:632386.4/30

All: 1833.402+/-0.226 χ^2/NDF: 1366731.6/57



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: -1292.788+/-1391.170 χ^2/NDF:5.6/10

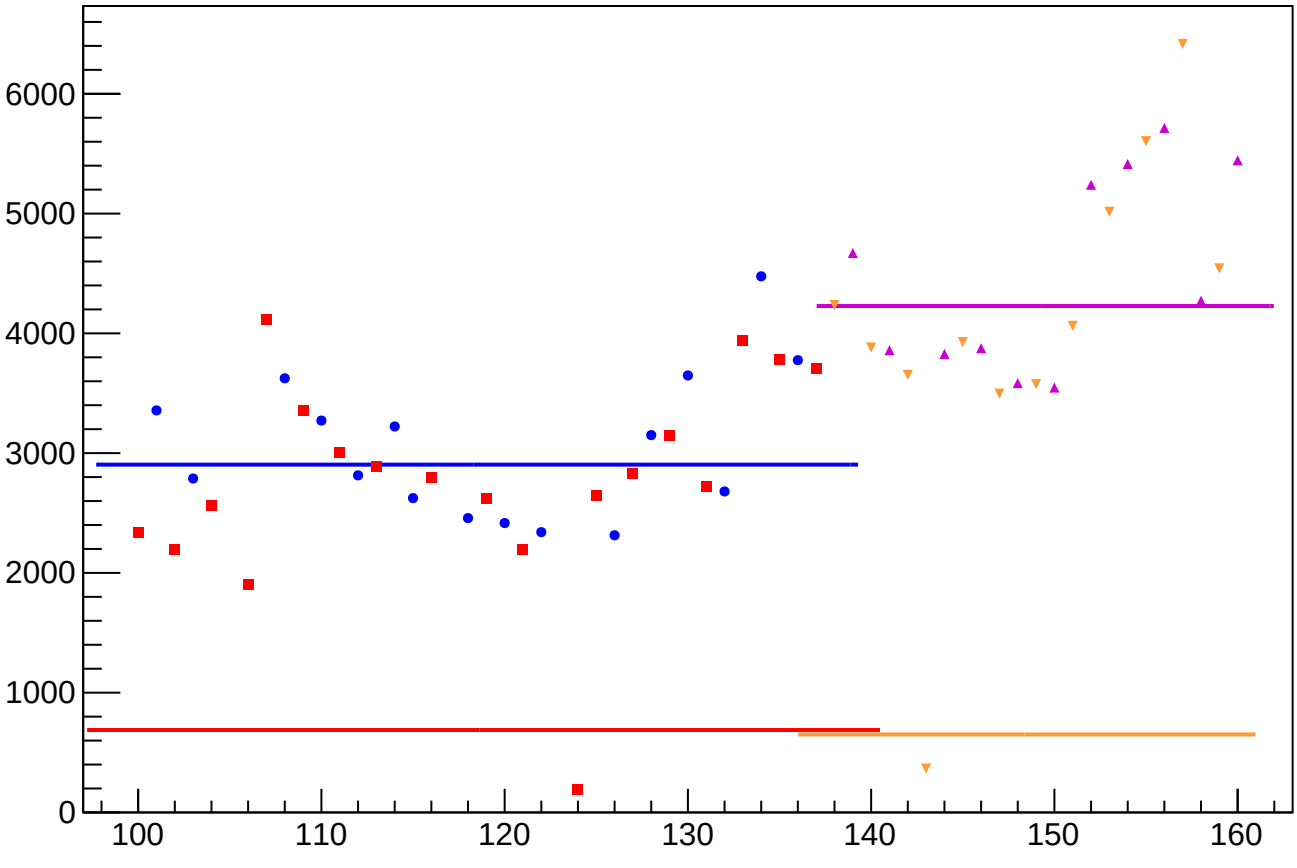
Left: 151.454+/-378.594 χ^2/NDF: 26.0/22

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -152.246+/-863.416 χ^2/NDF:21.5/26

Out: 291.854+/-298.429 χ^2/NDF:38.6/30

All: 244.462+/-282.056 χ^2/NDF: 60.3/57



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: 4228.172+/-0.984 χ^2/NDF:526737.6/10

Left: 915.964+/-0.268 χ^2/NDF: 26141409.8/22

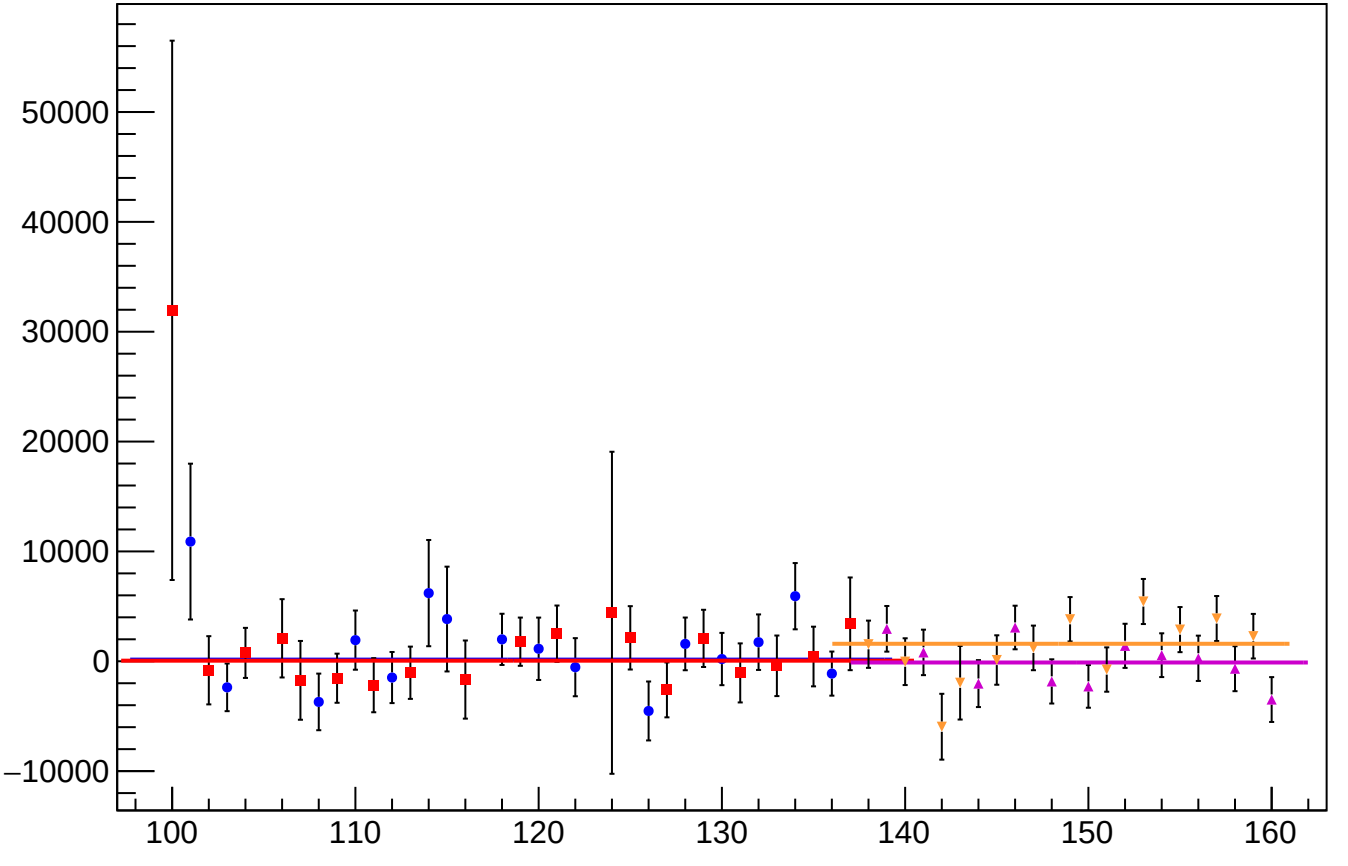
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3414.101+/-0.611 χ^2/NDF:2120440.6/26

Out: 666.871+/-0.211 χ^2/NDF:23527240.4/30

All: 960.046+/-0.199 χ^2/NDF: 43734766.7/57

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: -112.098+/-612.730 χ^2/NDF:11.3/10

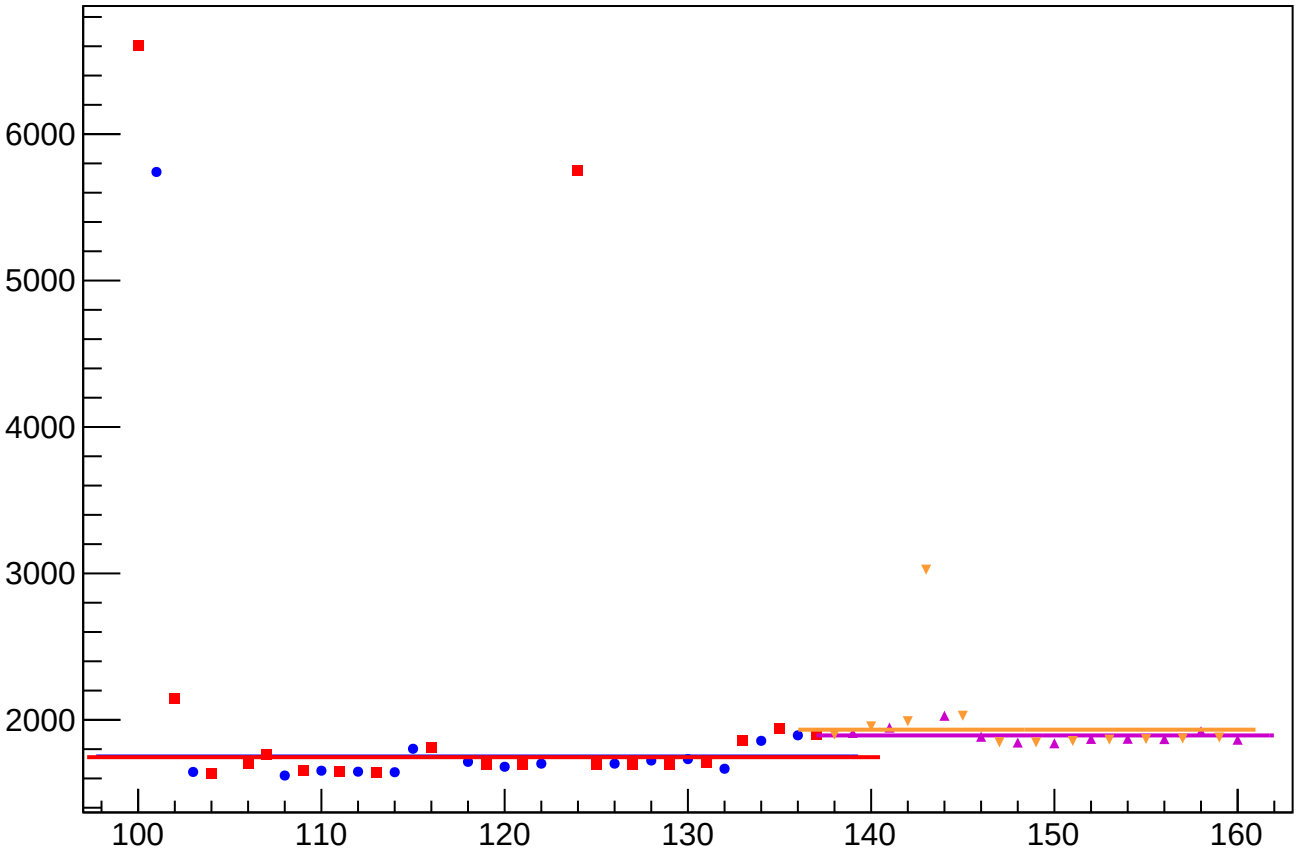
Left: 716.898+/-439.049 χ^2/NDF: 31.4/22

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 7.967+/-451.242 χ^2/NDF:29.0/26

Out: 853.836+/-453.931 χ^2/NDF:28.2/30

All: 428.388+/-320.023 χ^2/NDF: 58.9/57



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: 1893.718+/-0.433 χ^2/NDF:13719.5/10

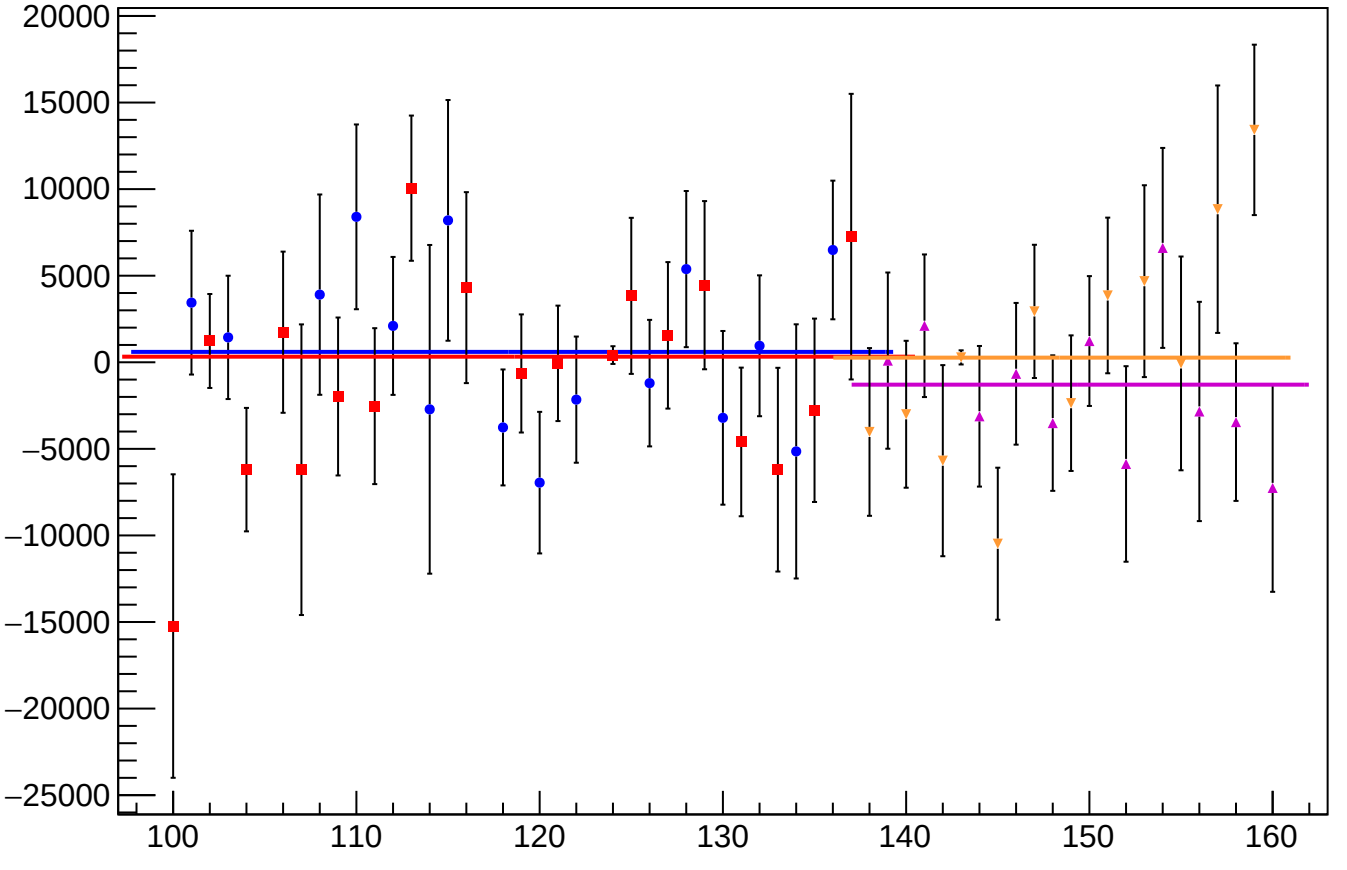
Left: 1912.835+/-0.310 χ^2/NDF: 253249.9/22

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1827.884+/-0.319 χ^2/NDF:733746.0/26

Out: 1842.523+/-0.320 χ^2/NDF:619301.8/30

All: 1835.173+/-0.226 χ^2/NDF: 1354095.9/57



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: -1292.900+/-1391.167 χ^2/NDF:5.6/10

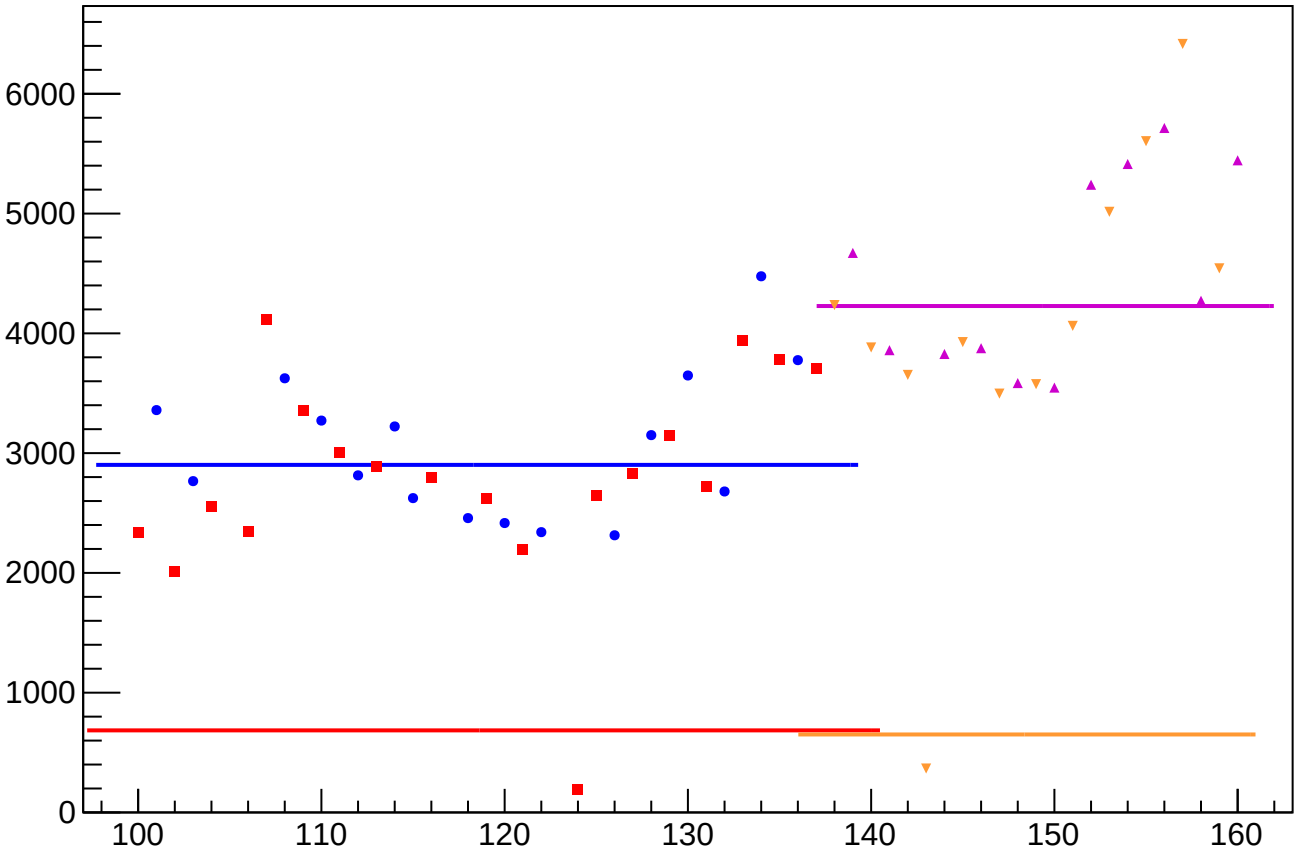
Left: 152.326+/-378.622 χ^2/NDF: 26.1/22

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -128.168+/-862.915 χ^2/NDF:21.6/26

Out: 291.340+/-298.696 χ^2/NDF:38.3/30

All: 246.454+/-282.264 χ^2/NDF: 60.1/57



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: 4228.163+/-0.984 χ^2/NDF:526748.5/10

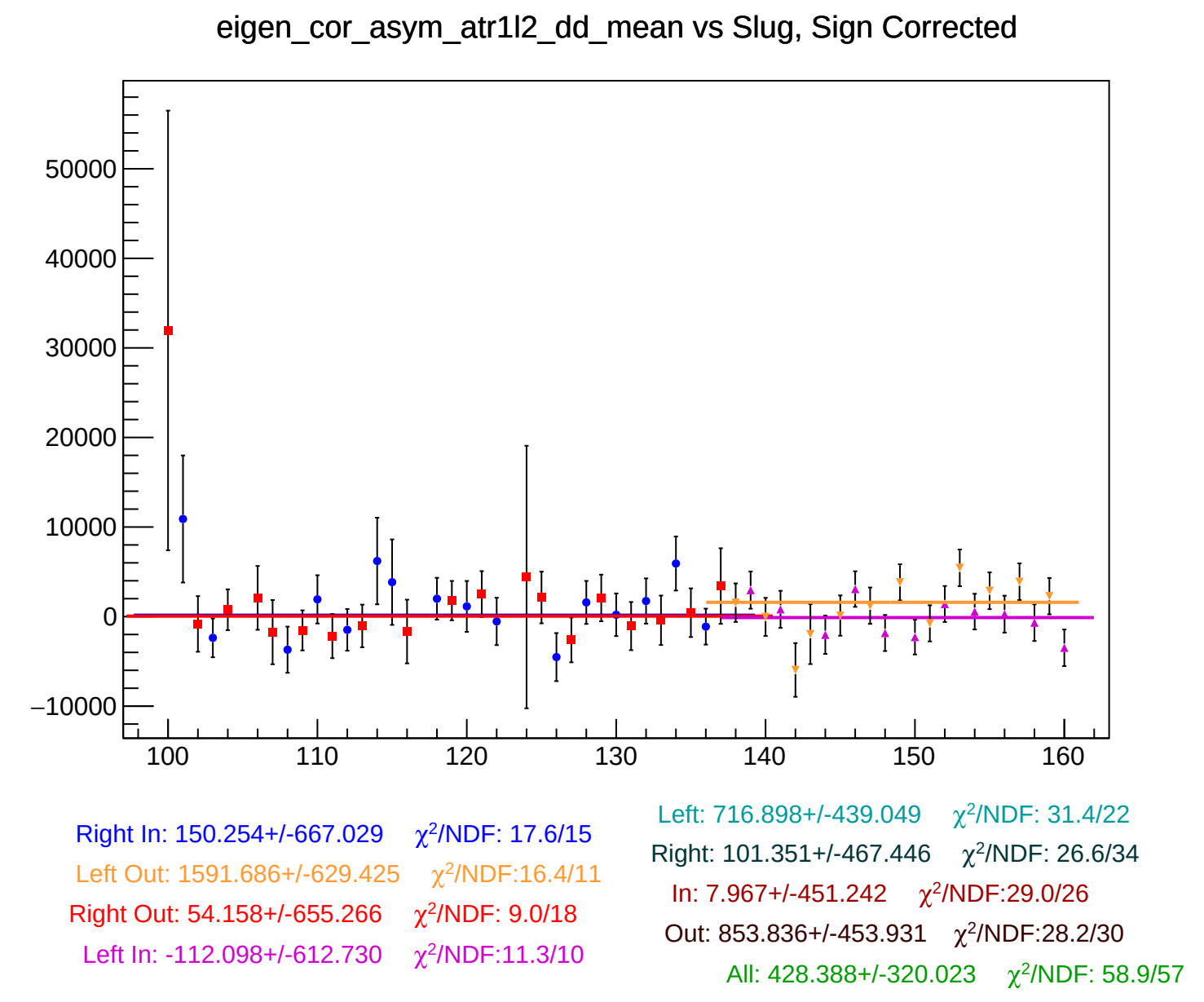
Left: 916.083+/-0.268 χ^2/NDF: 26140226.2/22

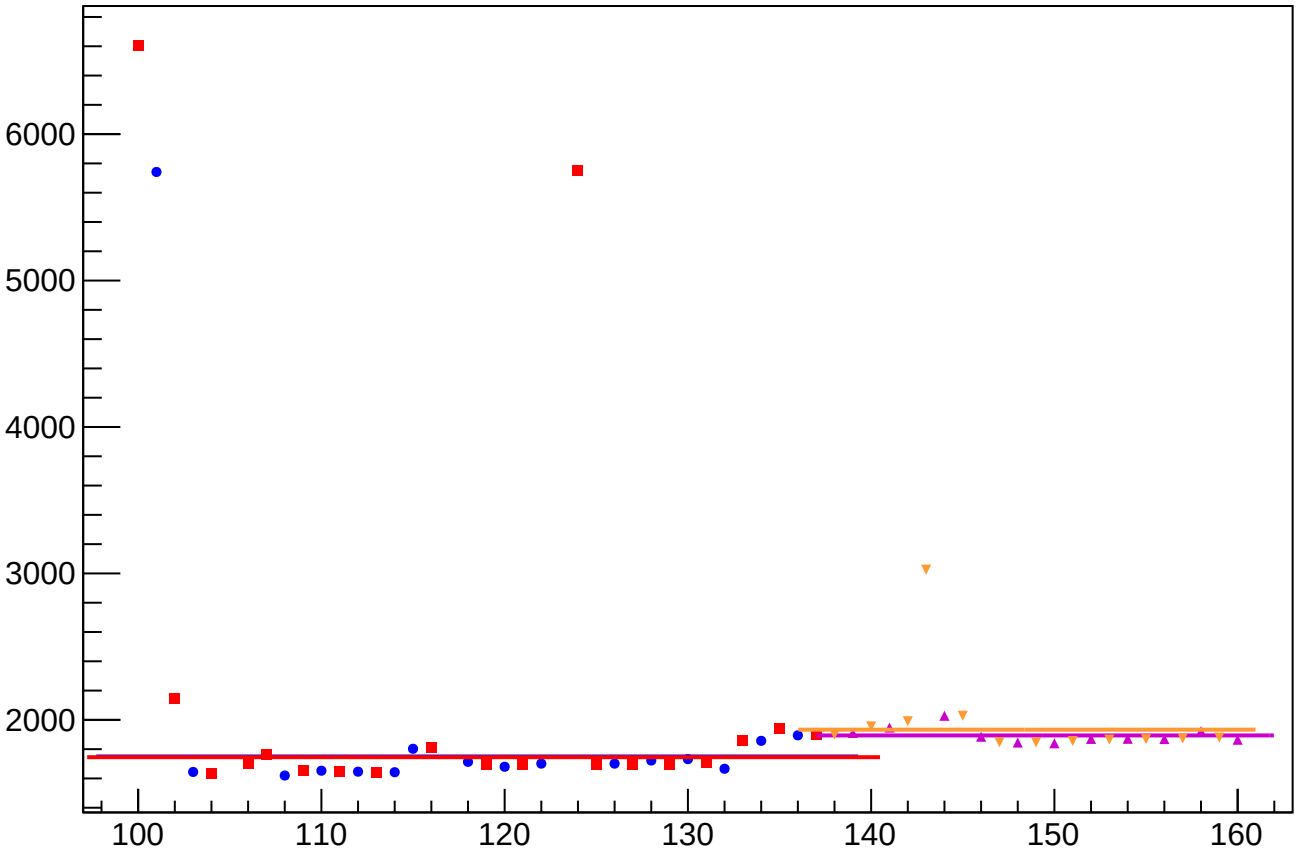
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3412.155+/-0.610 χ^2/NDF:2126111.7/26

Out: 665.588+/-0.211 χ^2/NDF:23482427.7/30

All: 959.464+/-0.200 χ^2/NDF: 43702207.1/57


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: -112.098+/-612.730 χ²/NDF:11.3/10
Left: 716.898+/-439.049 χ²/NDF: 31.4/22
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: 7.967+/-451.242 χ²/NDF:29.0/26
Out: 853.836+/-453.931 χ²/NDF:28.2/30
All: 428.388+/-320.023 χ²/NDF: 58.9/57



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: 1893.718+/-0.433 χ^2/NDF:13719.5/10

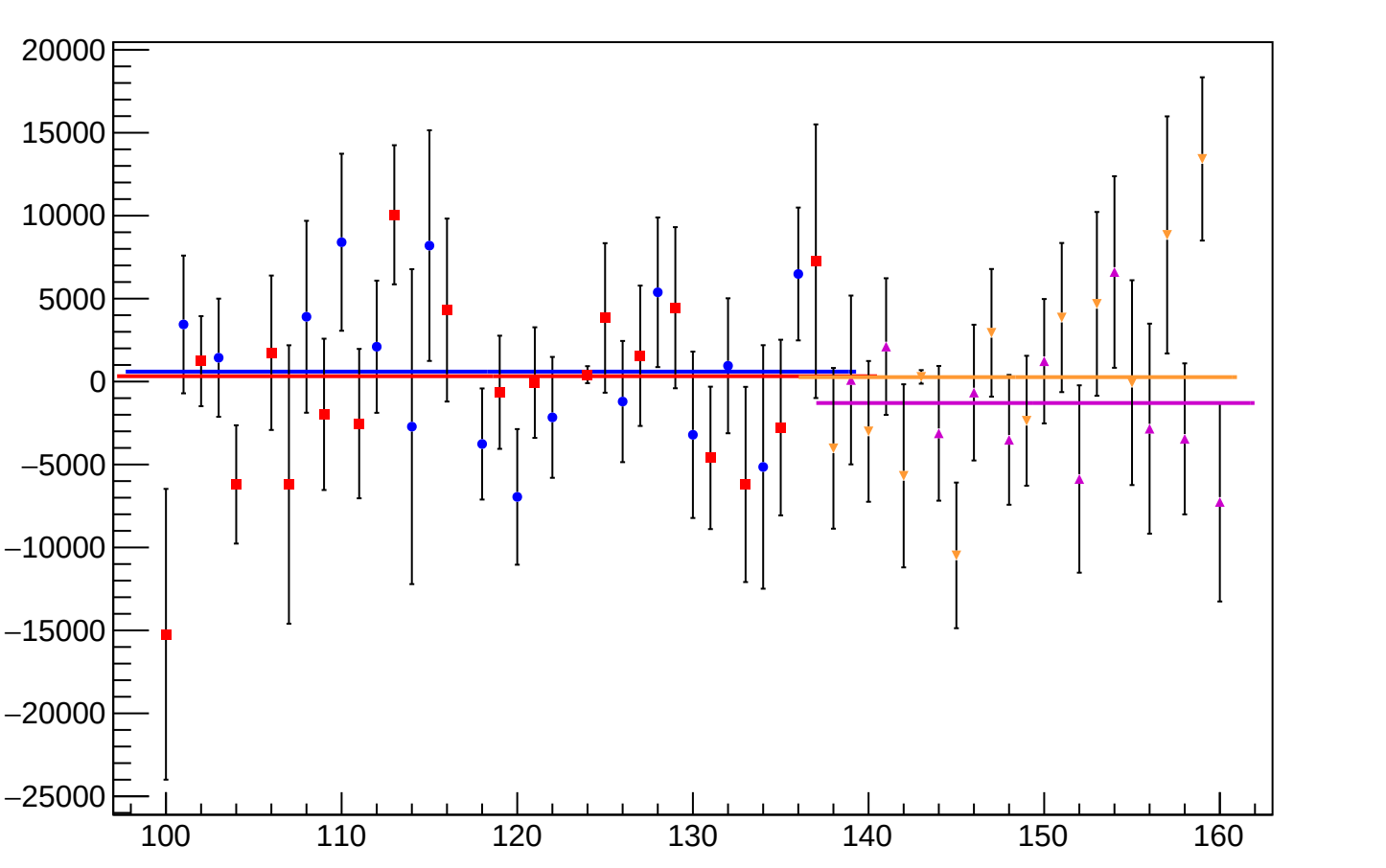
Left: 1912.835+/-0.310 χ^2/NDF: 253249.9/22

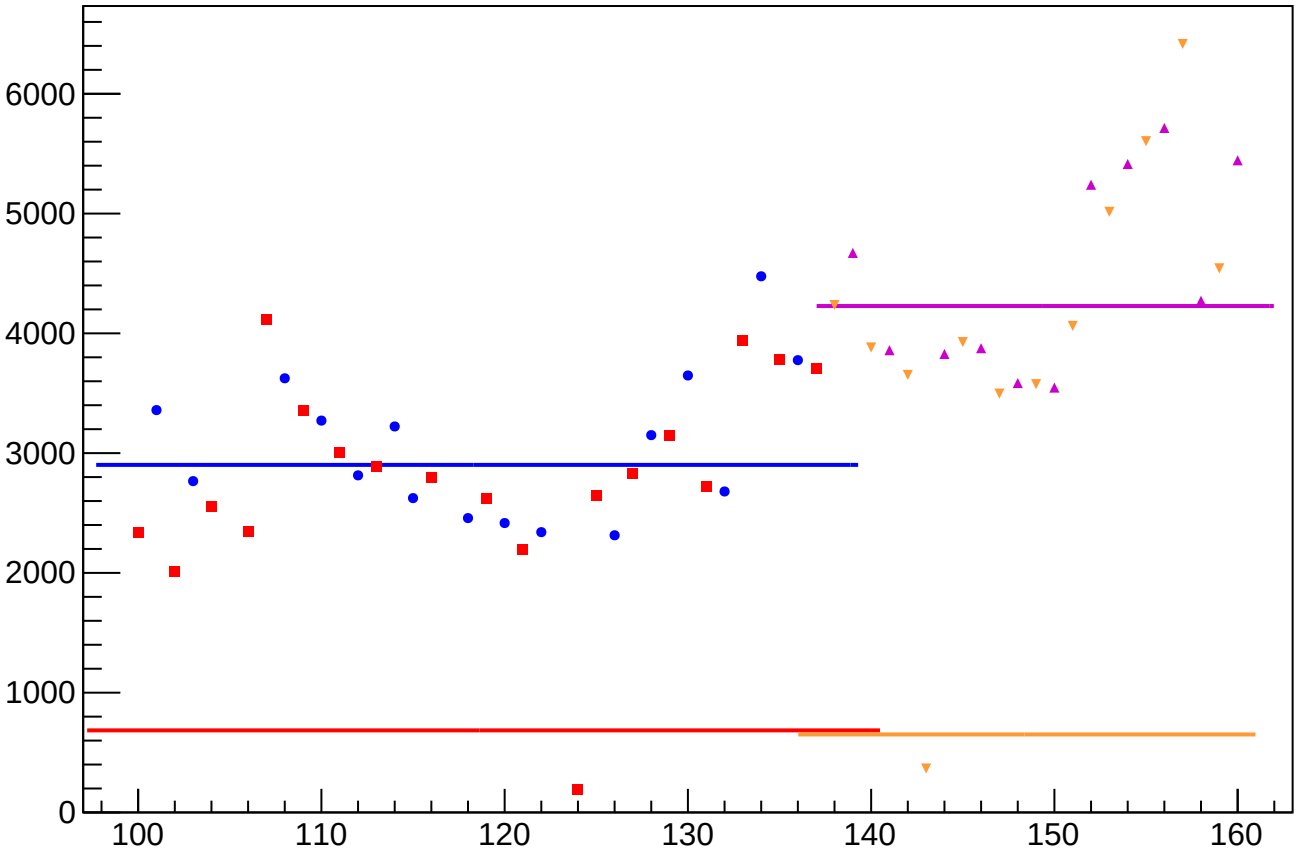
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1827.884+/-0.319 χ^2/NDF:733746.0/26

Out: 1842.523+/-0.320 χ^2/NDF:619301.8/30

All: 1835.173+/-0.226 χ^2/NDF: 1354095.9/57


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 600.202+/-1100.125 χ²/NDF: 14.9/15
Left Out: 267.940+/-393.475 χ²/NDF:19.3/11
Right Out: 323.164+/-458.862 χ²/NDF: 19.0/18
Left In: -1292.900+/-1391.167 χ²/NDF:5.6/10
Left: 152.326+/-378.622 χ²/NDF: 26.1/22
Right: 364.218+/-423.500 χ²/NDF: 33.9/34
In: -128.168+/-862.915 χ²/NDF:21.6/26
Out: 291.340+/-298.696 χ²/NDF:38.3/30
All: 246.454+/-282.264 χ²/NDF: 60.1/57



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: 4228.163+/-0.984 χ^2/NDF:526748.5/10

Left: 916.083+/-0.268 χ^2/NDF: 26140226.2/22

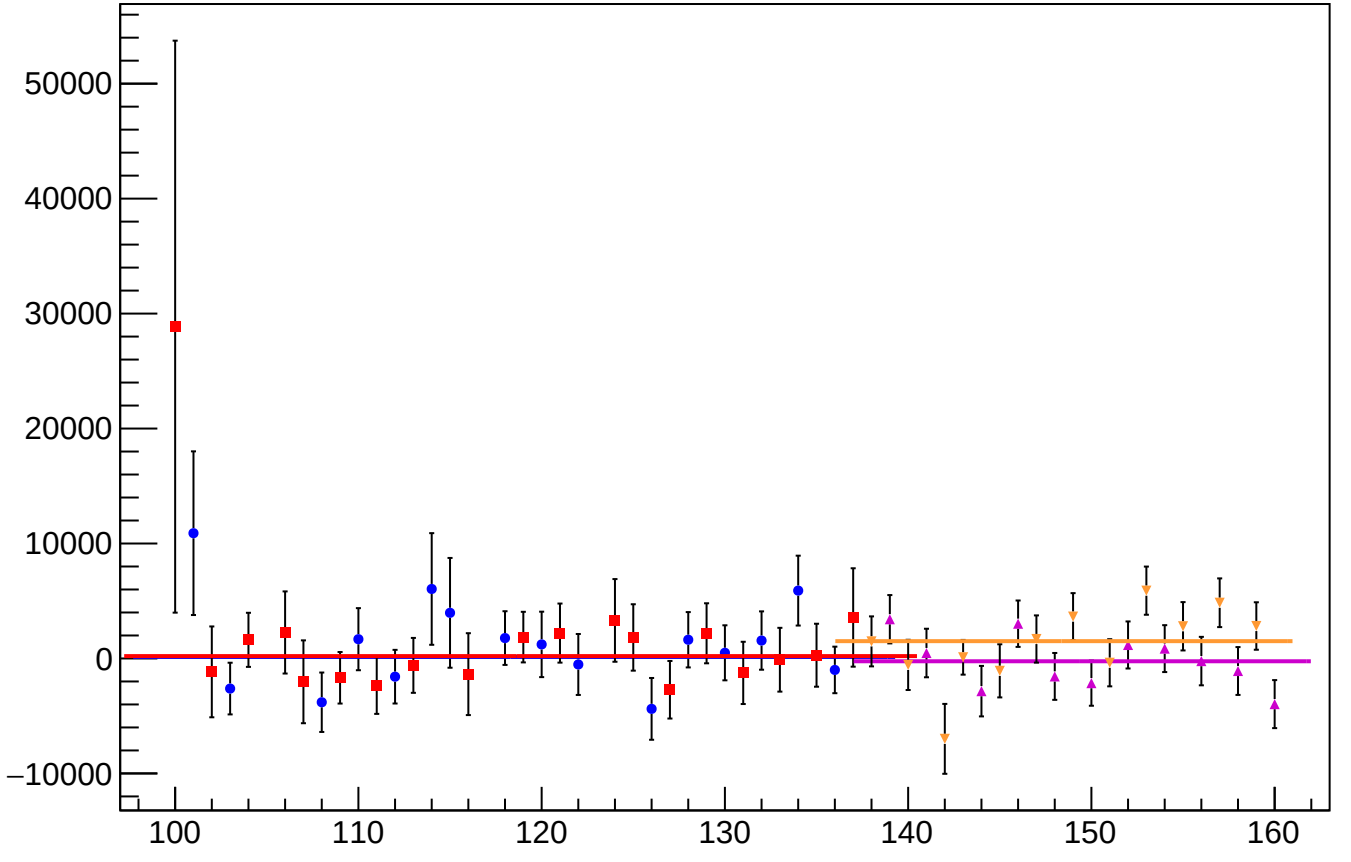
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3412.155+/-0.610 χ^2/NDF:2126111.7/26

Out: 665.588+/-0.211 χ^2/NDF:23482427.7/30

All: 959.464+/-0.200 χ^2/NDF: 43702207.1/57

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: -243.059+/-624.159 χ^2/NDF:12.6/10

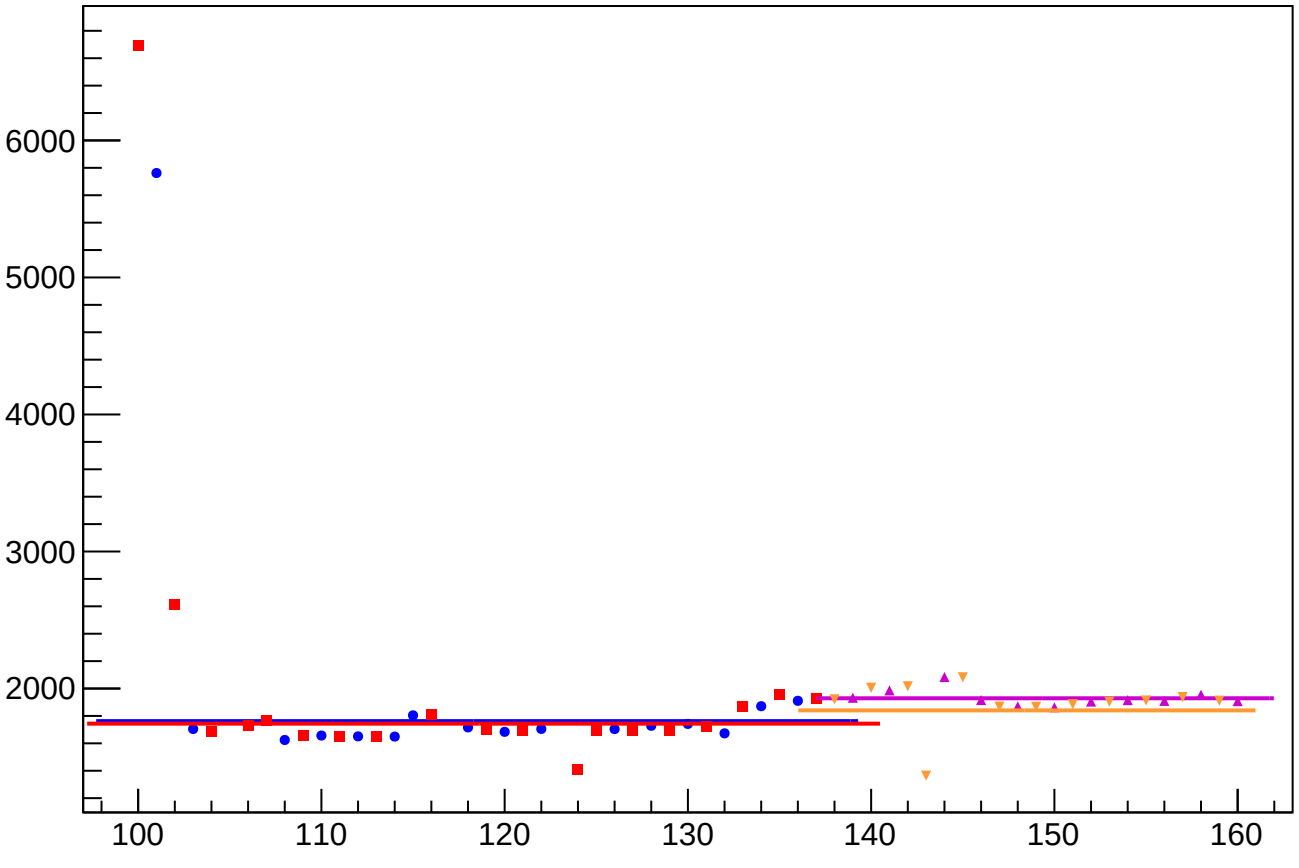
Left: 666.771+/-432.418 χ^2/NDF: 37.2/22

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -68.397+/-457.206 χ^2/NDF:30.1/26

Out: 912.724+/-442.117 χ^2/NDF:32.3/30

All: 438.621+/-317.824 χ^2/NDF: 64.8/57



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: 1928.837+/-0.441 χ^2/NDF:16479.0/10

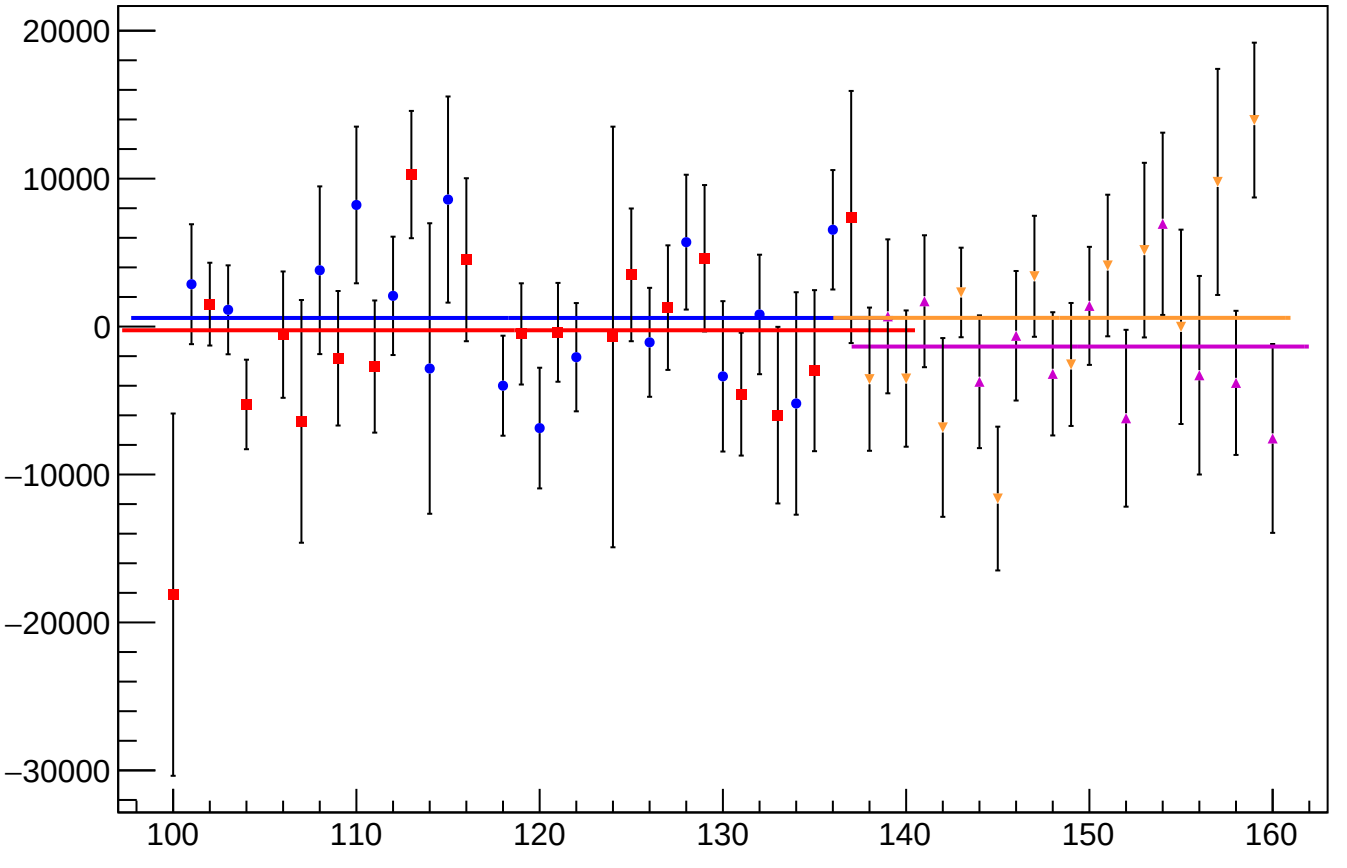
Left: 1882.873+/-0.306 χ^2/NDF: 291497.1/22

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1851.545+/-0.323 χ^2/NDF:750355.8/26

Out: 1796.167+/-0.312 χ^2/NDF:505749.1/30

All: 1822.891+/-0.225 χ^2/NDF: 1271286.8/57



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: -1351.038+/-1486.246 χ^2/NDF:5.4/10

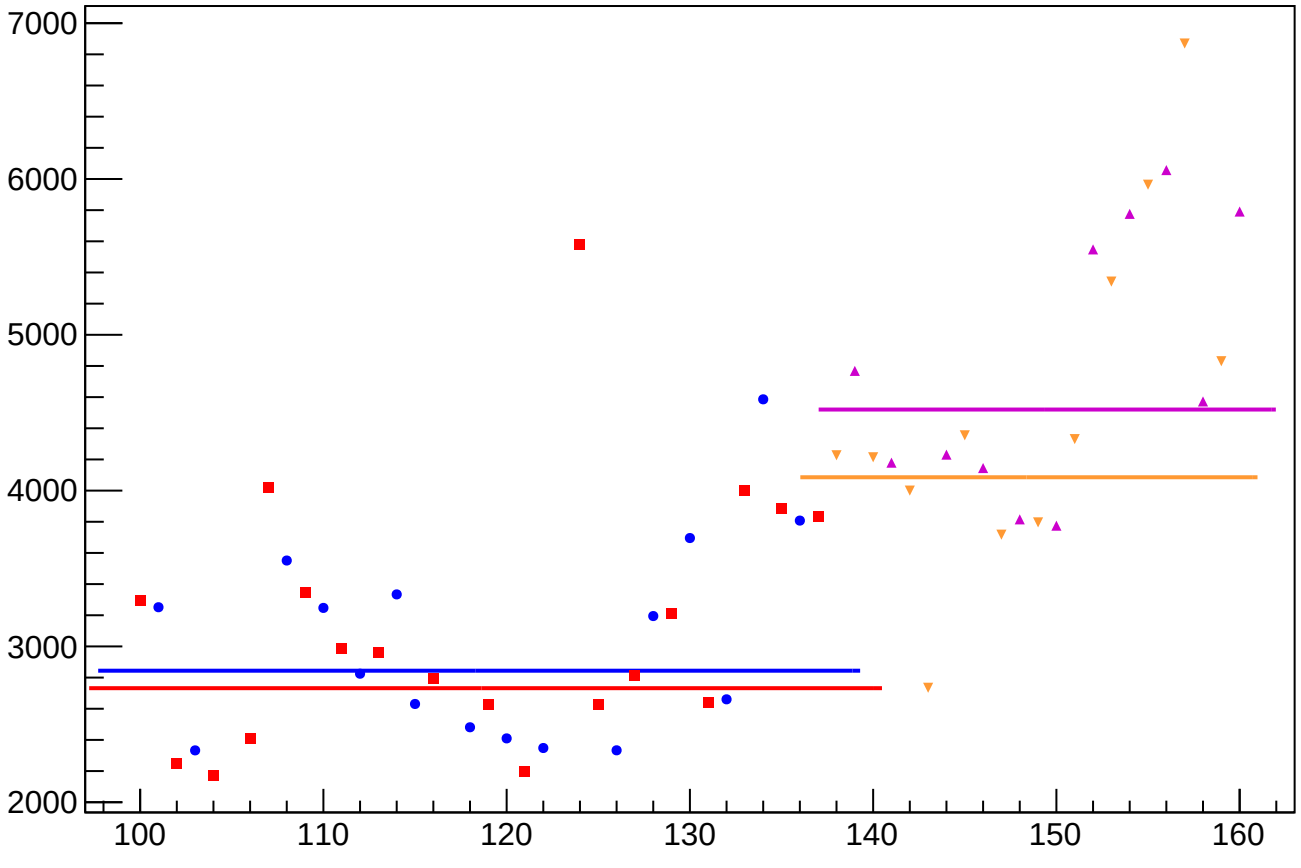
Left: -299.594+/-1005.918 χ^2/NDF: 26.1/22

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: -87.046+/-874.472 χ^2/NDF:21.3/26

Out: 50.518+/-817.909 χ^2/NDF:38.0/30

All: -13.671+/-597.345 χ^2/NDF: 59.4/57



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: 4520.320+/-1.051 χ^2/NDF:492946.0/10

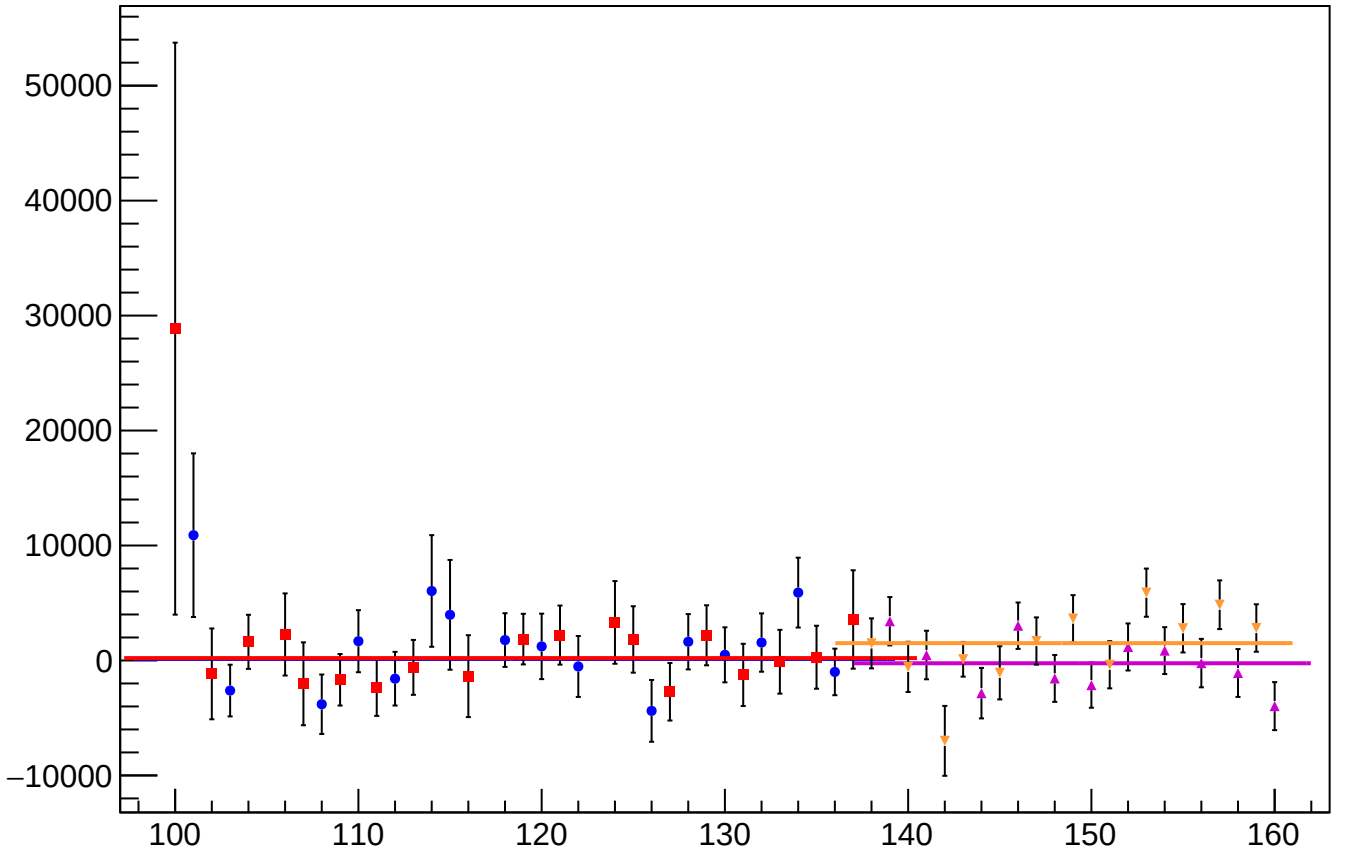
Left: 4284.772+/-0.711 χ^2/NDF: 1585032.8/22

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3424.419+/-0.618 χ^2/NDF:2698151.7/26

Out: 3216.971+/-0.578 χ^2/NDF:2870230.7/30

All: 3313.770+/-0.422 χ^2/NDF: 5628416.7/57



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: -243.062+/-624.160 χ^2/NDF:12.6/10

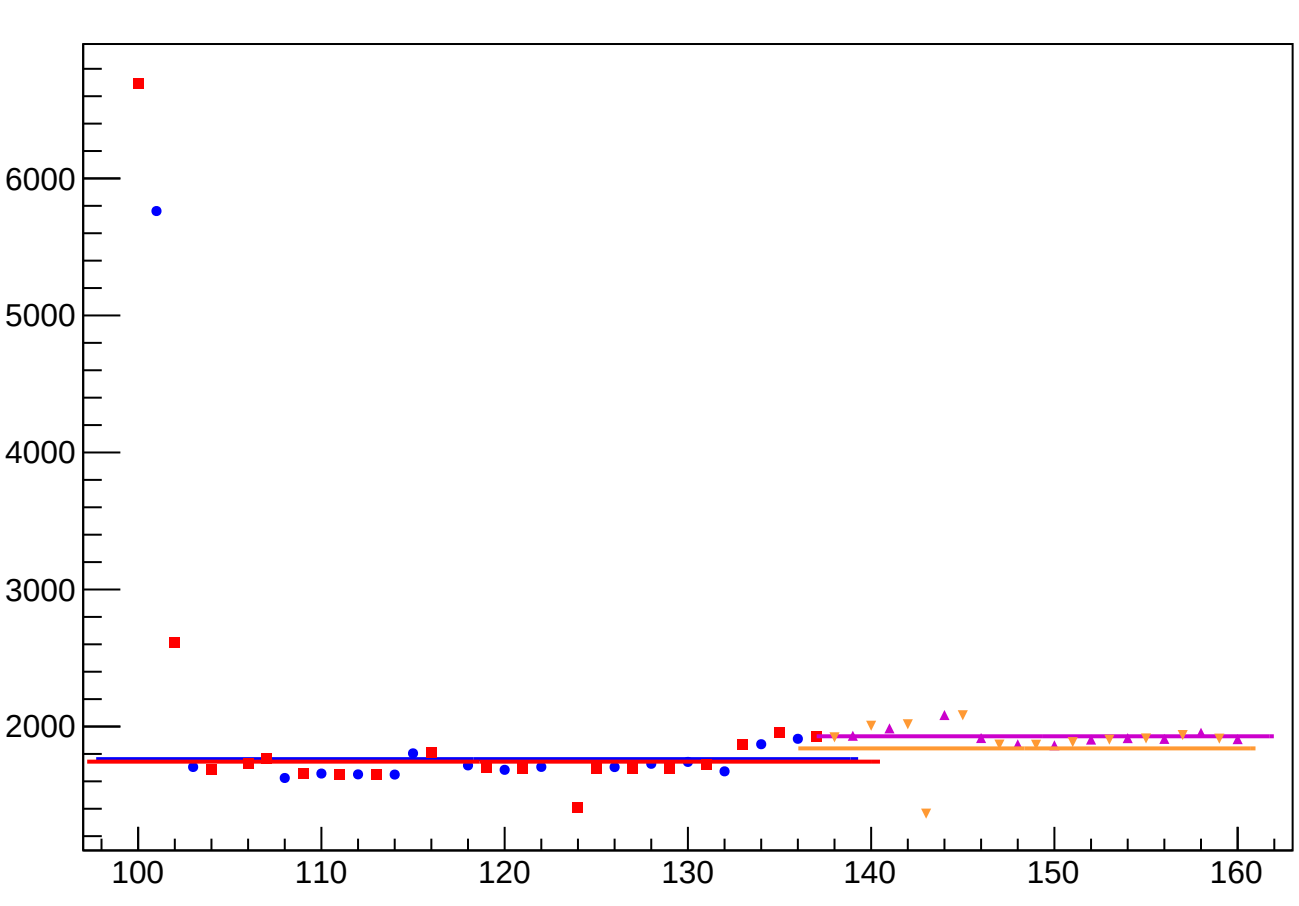
Left: 666.770+/-432.418 χ^2/NDF: 37.2/22

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -68.399+/-457.206 χ^2/NDF:30.1/26

Out: 912.723+/-442.117 χ^2/NDF:32.3/30

All: 438.619+/-317.825 χ^2/NDF: 64.8/57



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: 1928.838+/-0.441 χ^2/NDF:16479.2/10

Left: 1882.874+/-0.306 χ^2/NDF: 291498.6/22

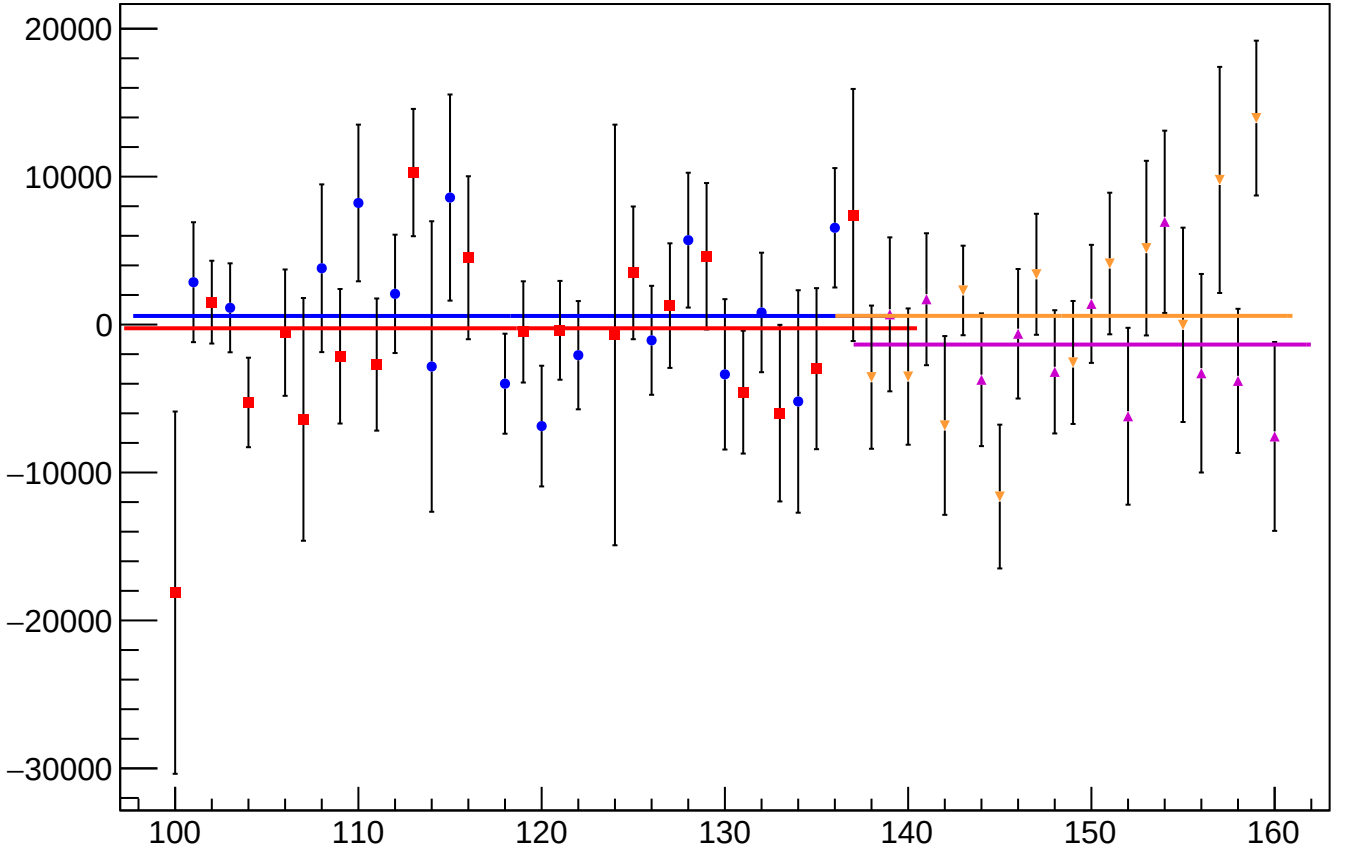
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1851.546+/-0.323 χ^2/NDF:750356.7/26

Out: 1796.168+/-0.312 χ^2/NDF:505750.8/30

All: 1822.891+/-0.225 χ^2/NDF: 1271289.6/57

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -1351.040+/-1486.248 χ^2/NDF:5.4/10

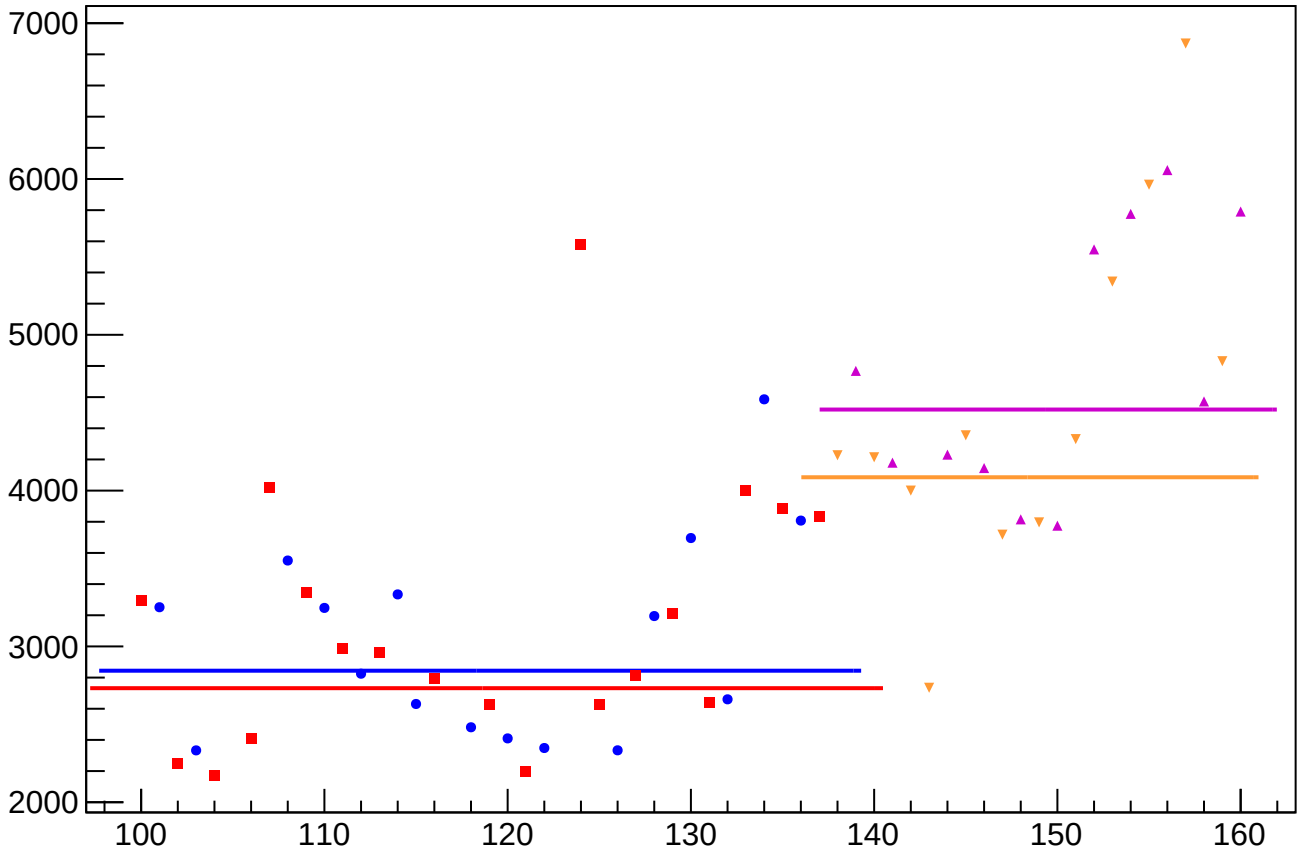
Left: -299.593+/-1005.919 χ^2/NDF: 26.1/22

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: -87.046+/-874.471 χ^2/NDF:21.3/26

Out: 50.518+/-817.908 χ^2/NDF:38.0/30

All: -13.672+/-597.344 χ^2/NDF: 59.4/57



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: 4520.326+/-1.051 χ^2/NDF:492948.5/10

Left: 4284.777+/-0.711 χ^2/NDF: 1585041.2/22

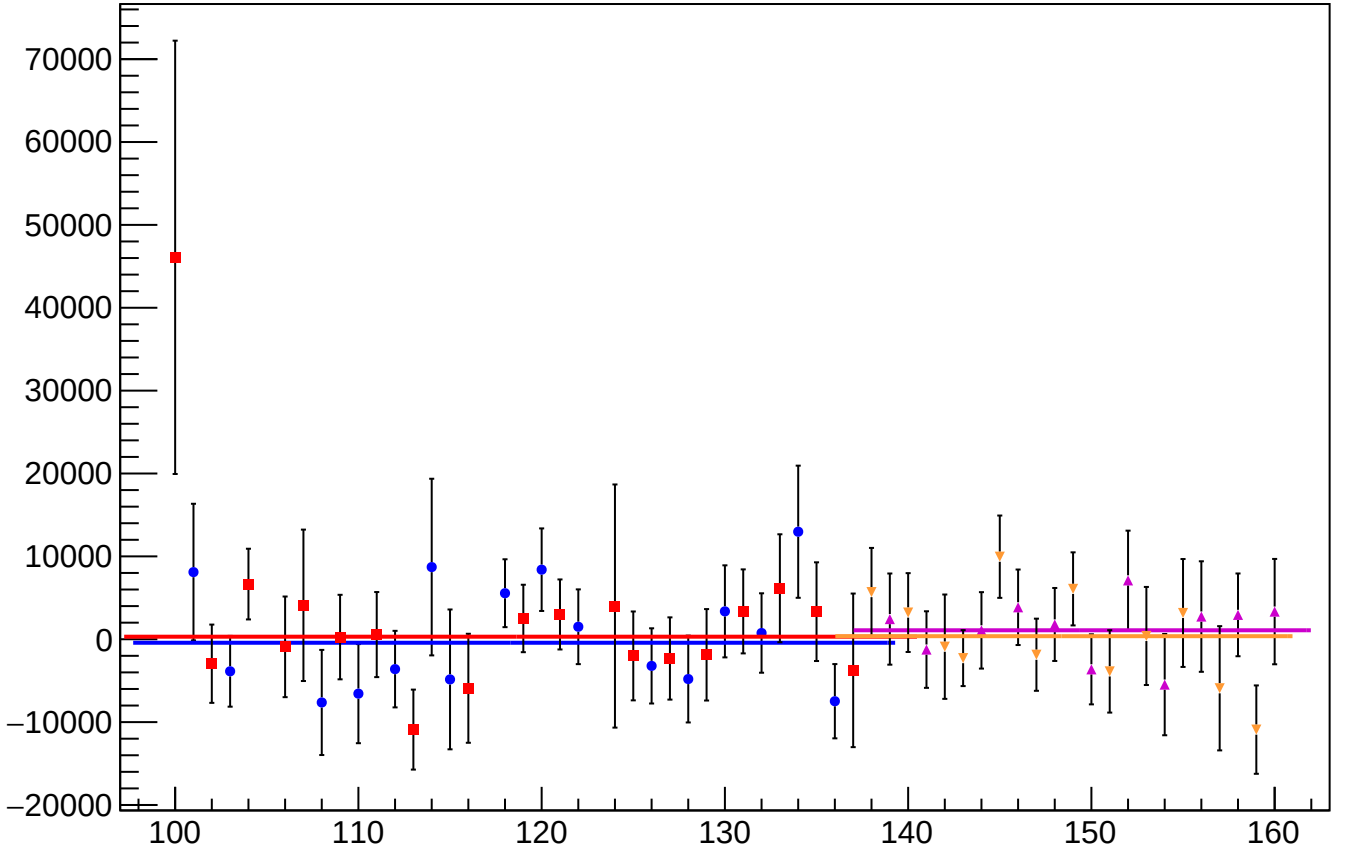
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3424.413+/-0.618 χ^2/NDF:2698184.9/26

Out: 3216.967+/-0.578 χ^2/NDF:2870251.9/30

All: 3313.765+/-0.422 χ^2/NDF: 5628470.2/57

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: 1083.131+/-1534.791 χ^2/NDF:4.4/10

Left: 703.354+/-1049.889 χ^2/NDF: 18.3/22

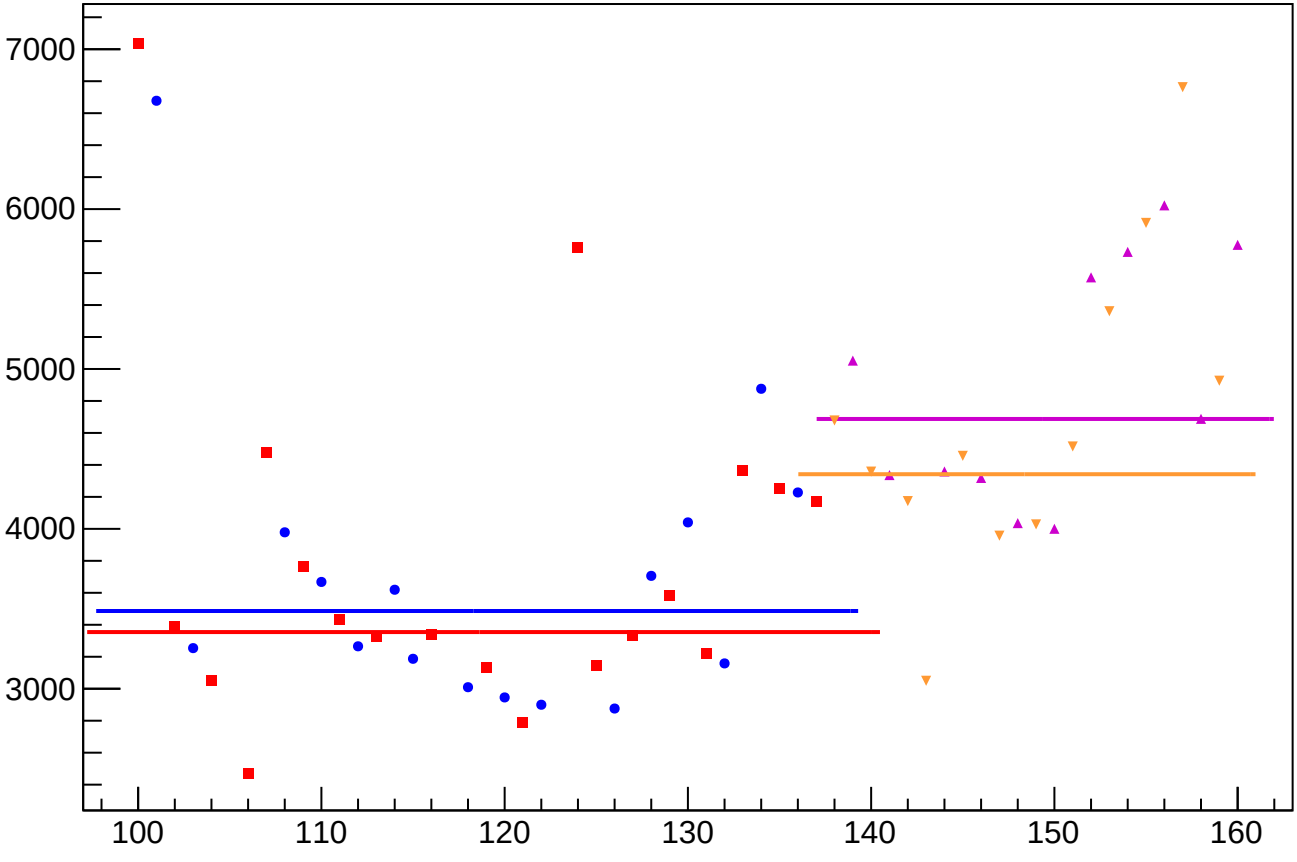
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 221.349+/-1003.931 χ^2/NDF:22.9/26

Out: 334.892+/-954.698 χ^2/NDF:29.0/30

All: 280.973+/-691.824 χ^2/NDF: 51.9/57

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: 4687.354+/-1.085 χ^2/NDF:381231.0/10

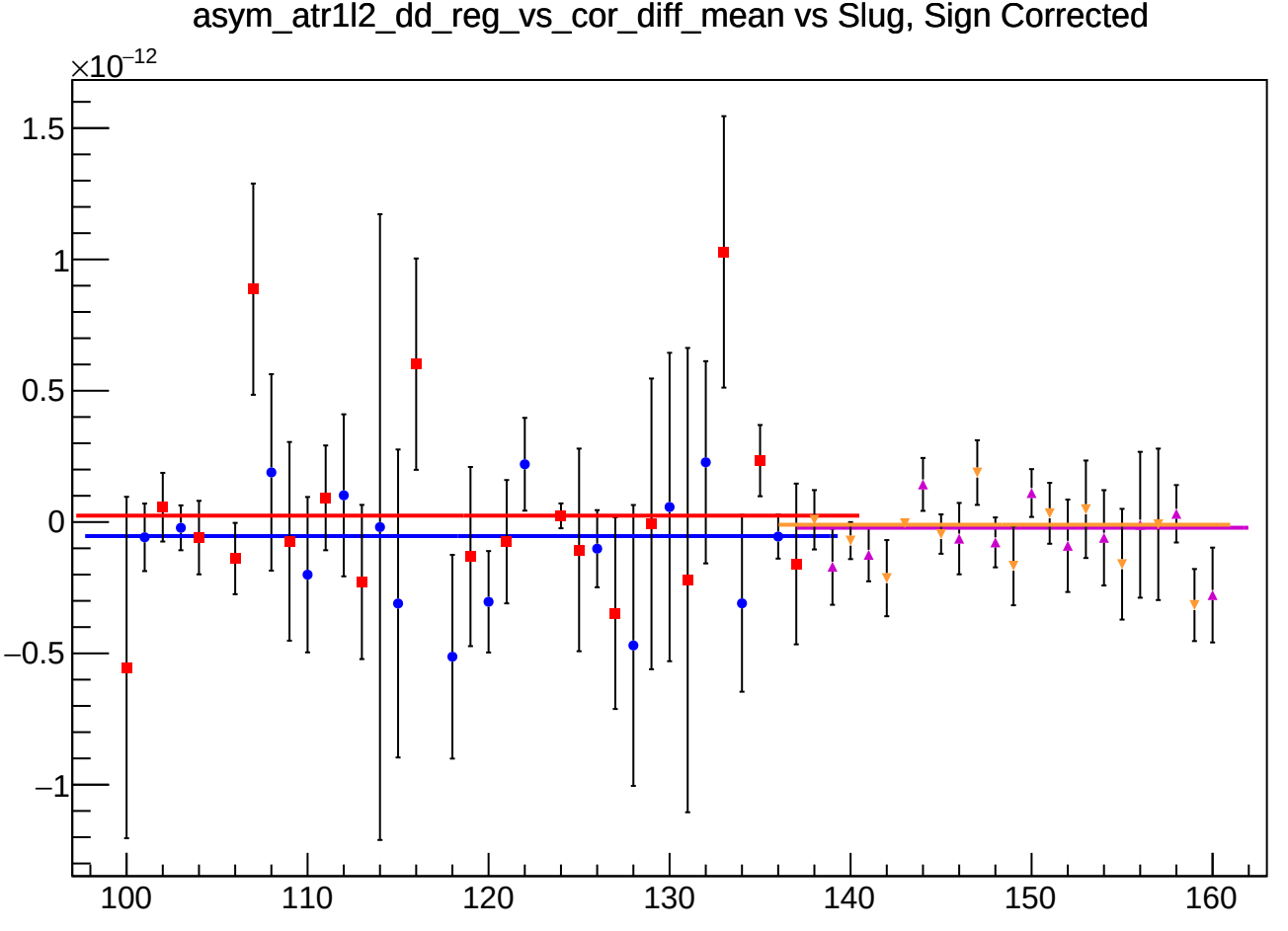
Left: 4503.499+/-0.742 χ^2/NDF: 1175366.1/22

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4000.114+/-0.710 χ^2/NDF:1677912.5/26

Out: 3782.009+/-0.670 χ^2/NDF:1650222.1/30

All: 3884.723+/-0.487 χ^2/NDF: 3378076.5/57



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:9.8/10

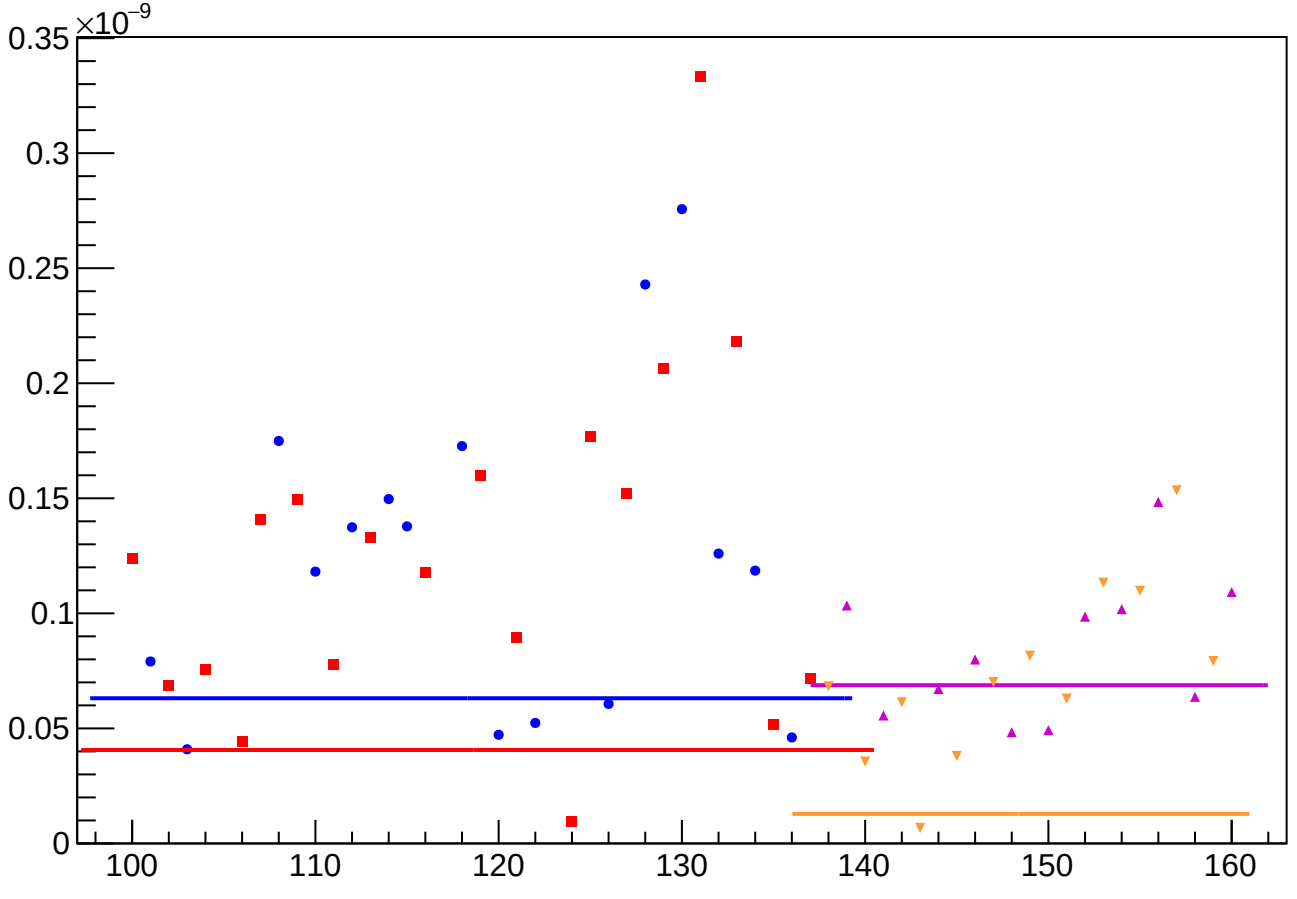
Left: -0.000+/-0.000 χ^2/NDF: 22.4/22

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:18.6/26

Out: -0.000+/-0.000 χ^2/NDF:31.8/30

All: -0.000+/-0.000 χ^2/NDF: 51.3/57



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:739349.6/10

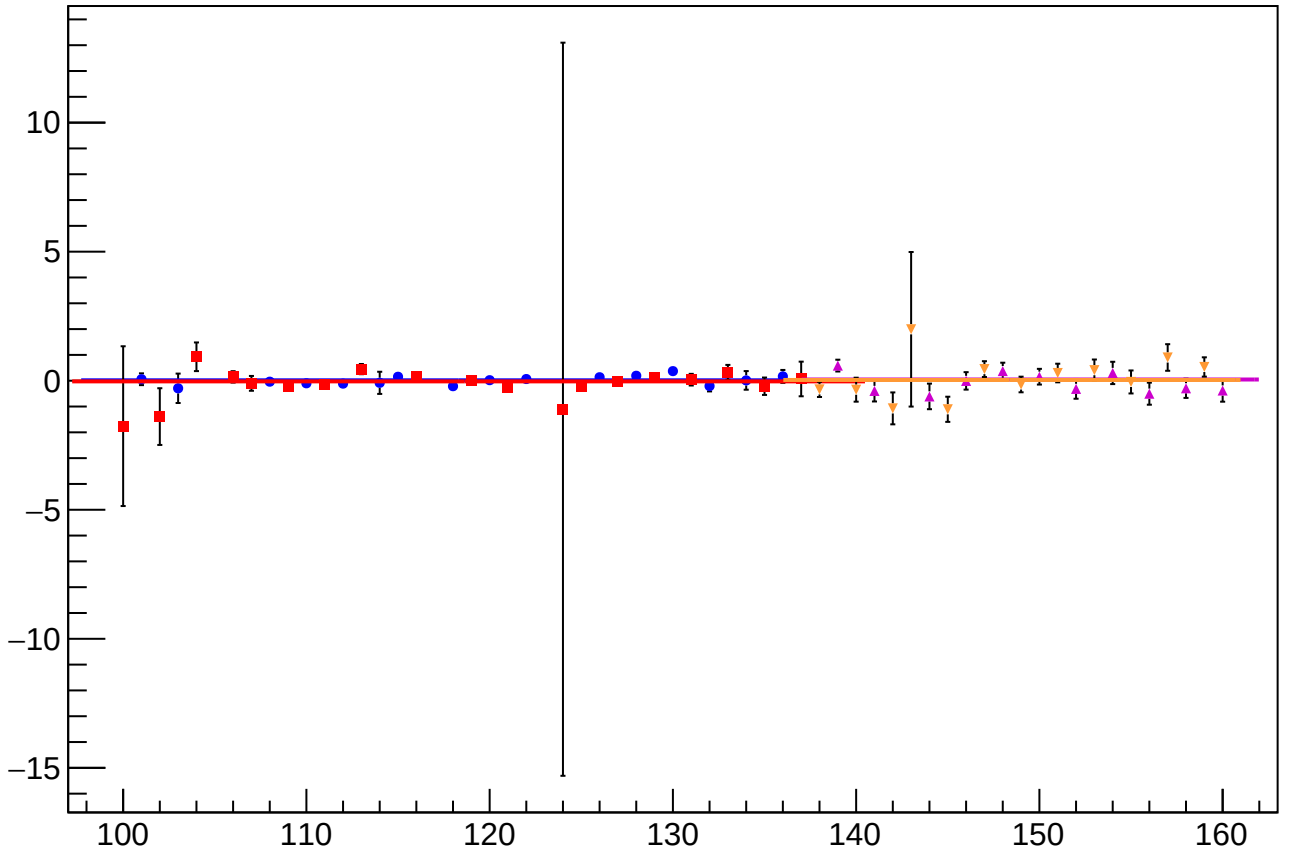
Left: 0.000+/-0.000 χ^2/NDF: 9575886.3/22

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2190489.1/26

Out: 0.000+/-0.000 χ^2/NDF:9021735.9/30

All: 0.000+/-0.000 χ^2/NDF: 16640706.7/57



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: 0.047+/-0.106 χ^2/NDF:14.3/10

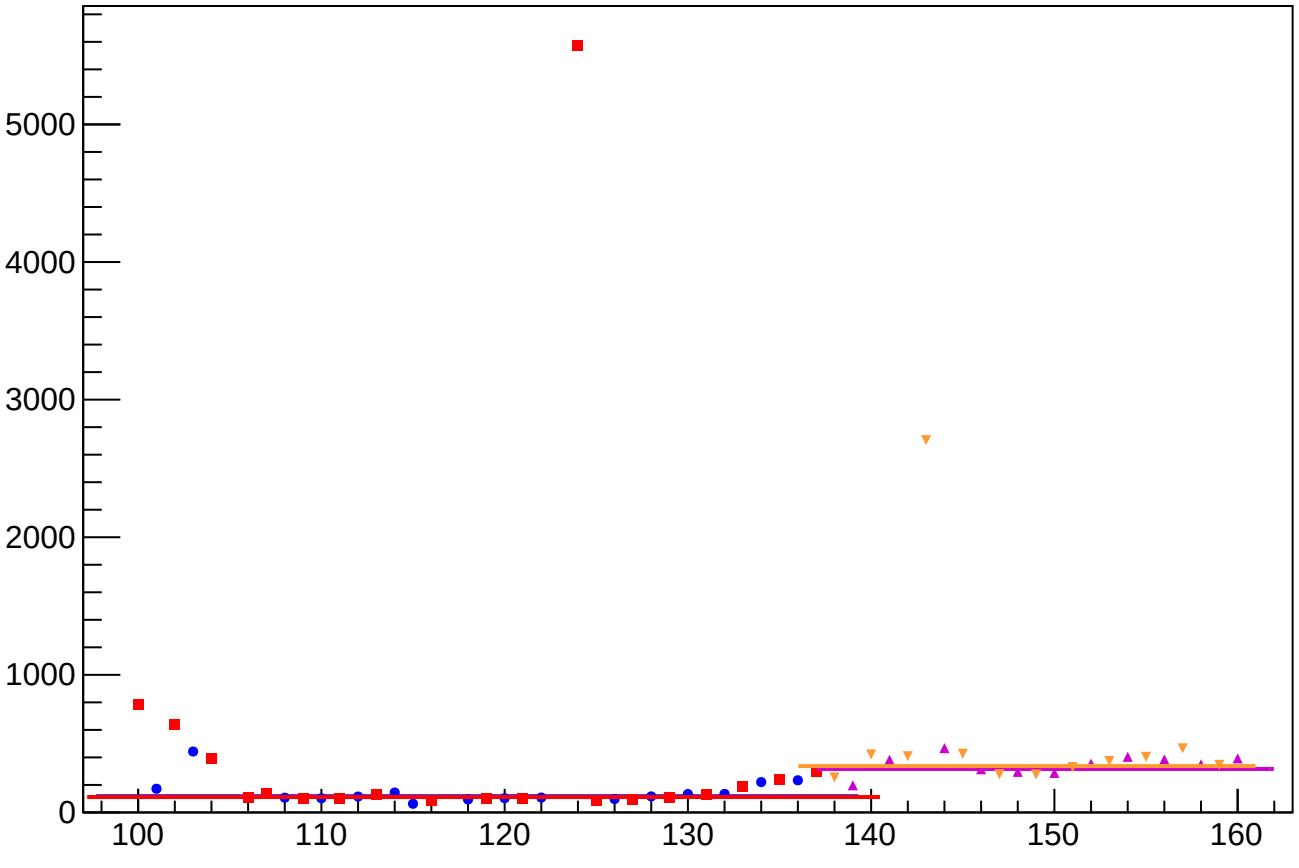
Left: 0.039+/-0.078 χ^2/NDF: 33.9/22

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.001+/-0.031 χ^2/NDF: 68.4/57



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: 316.079+/-0.075 χ^2/NDF:1042796.0/10

Left: 325.676+/-0.055 χ^2/NDF: 2992750.5/22

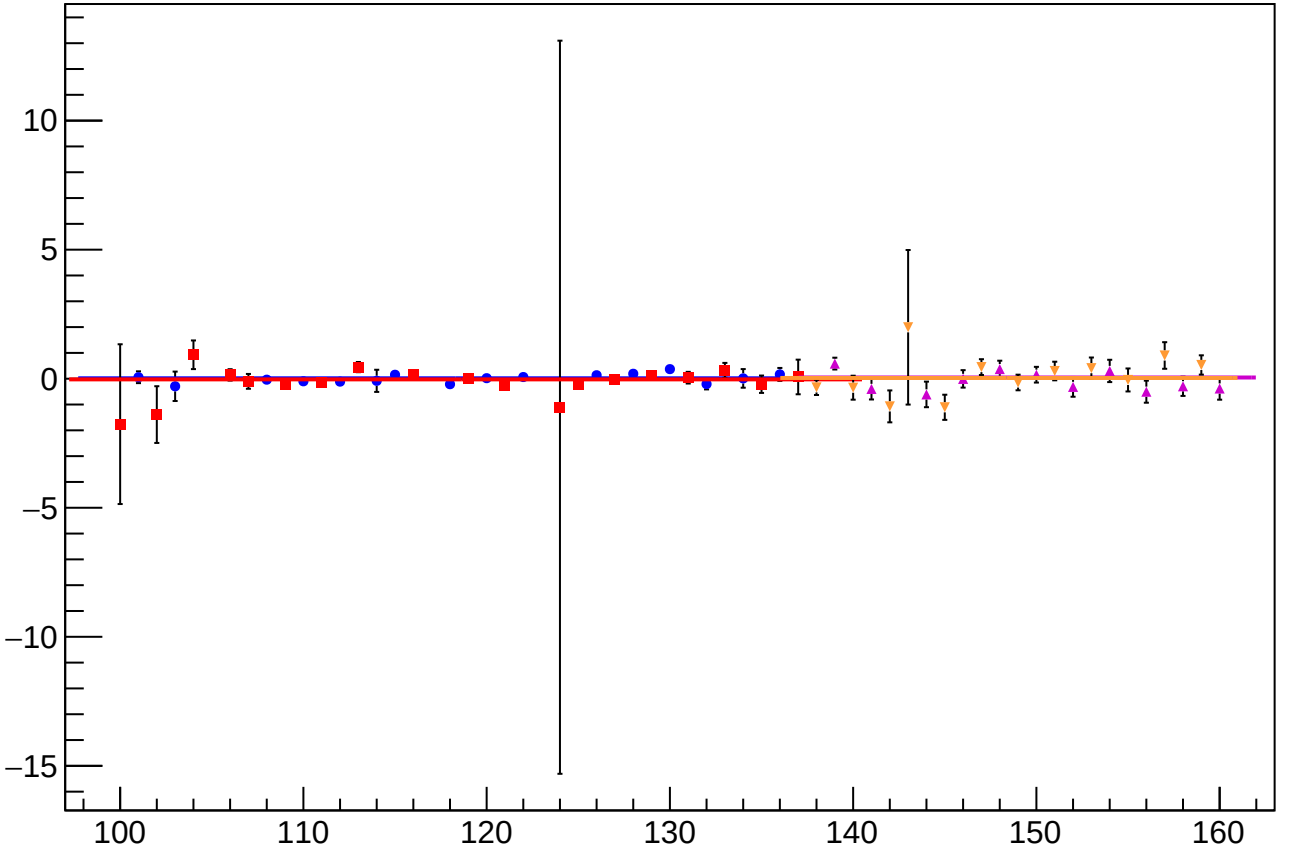
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 151.084+/-0.031 χ^2/NDF:8549902.9/26

Out: 143.616+/-0.031 χ^2/NDF:10558713.2/30

All: 147.330+/-0.022 χ^2/NDF: 19138008.3/57

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: 0.047+/-0.106 χ^2/NDF:14.3/10

Left: 0.039+/-0.078 χ^2/NDF: 33.9/22

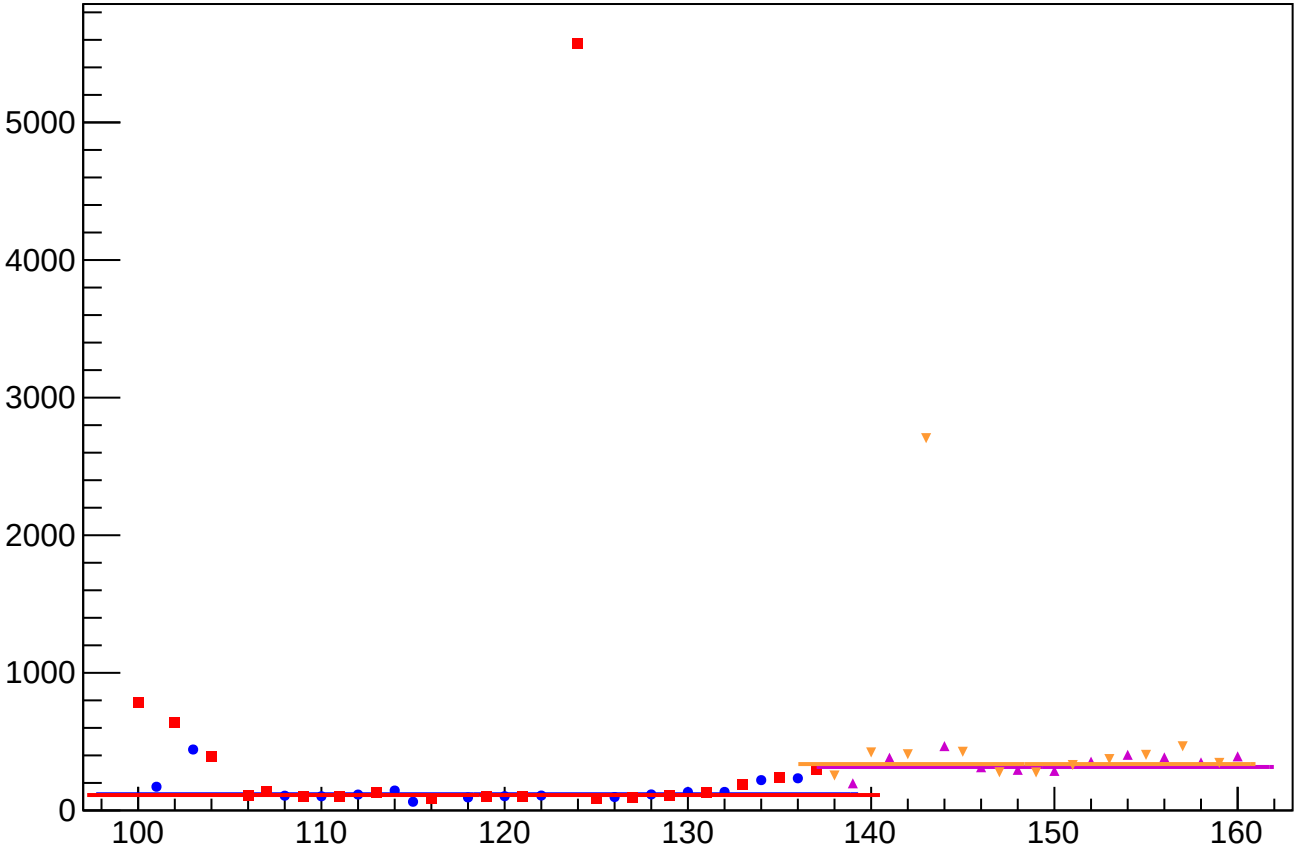
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.001+/-0.031 χ^2/NDF: 68.4/57

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.105+/-0.082 χ^2/NDF:1914305.4/11

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

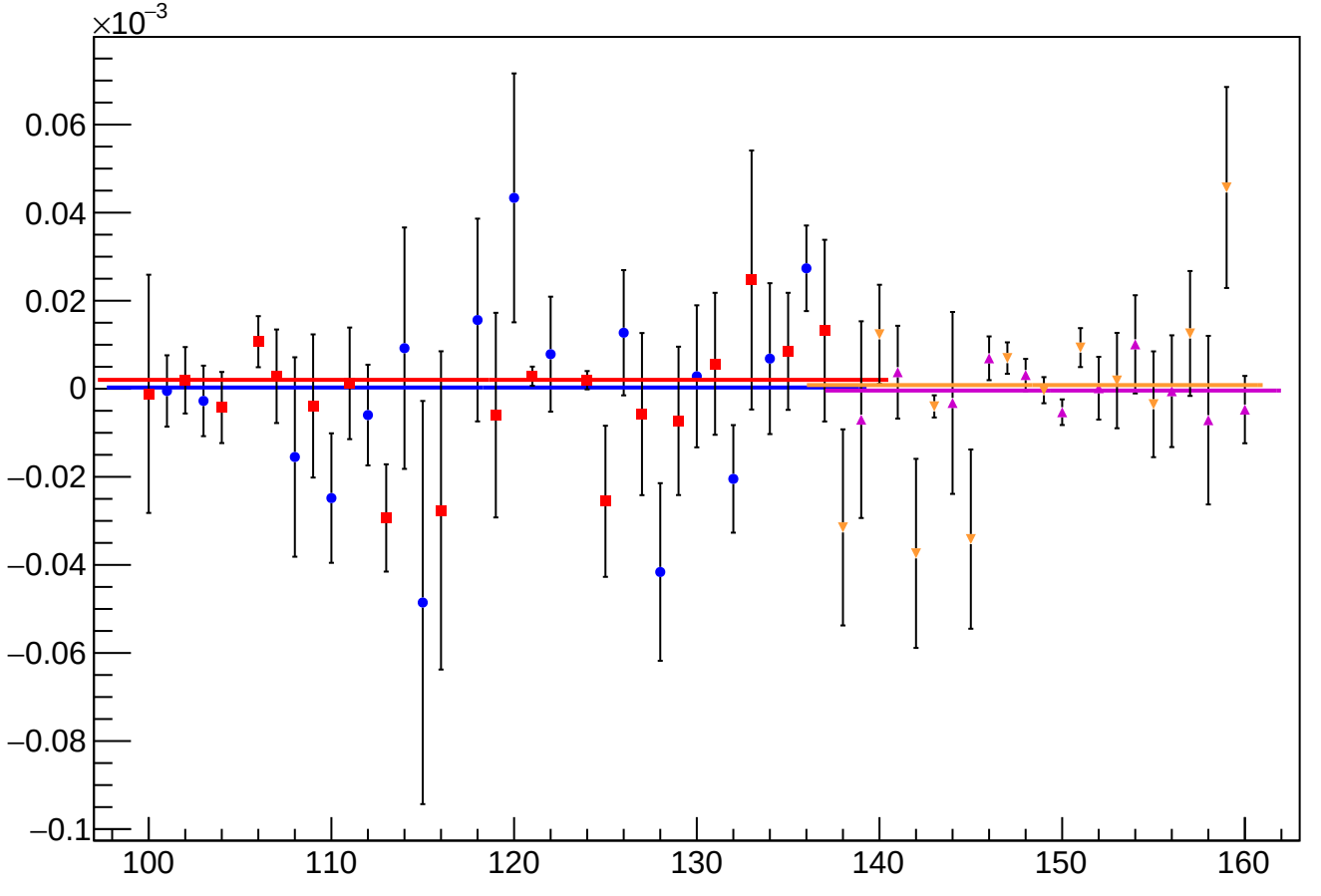
Left: 325.676+/-0.055 χ^2/NDF: 2992750.5/22

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 151.084+/-0.031 χ^2/NDF:8549902.9/26

Out: 143.616+/-0.031 χ^2/NDF:10558713.2/30

All: 147.330+/-0.022 χ^2/NDF: 19138008.3/57



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:7.6/10

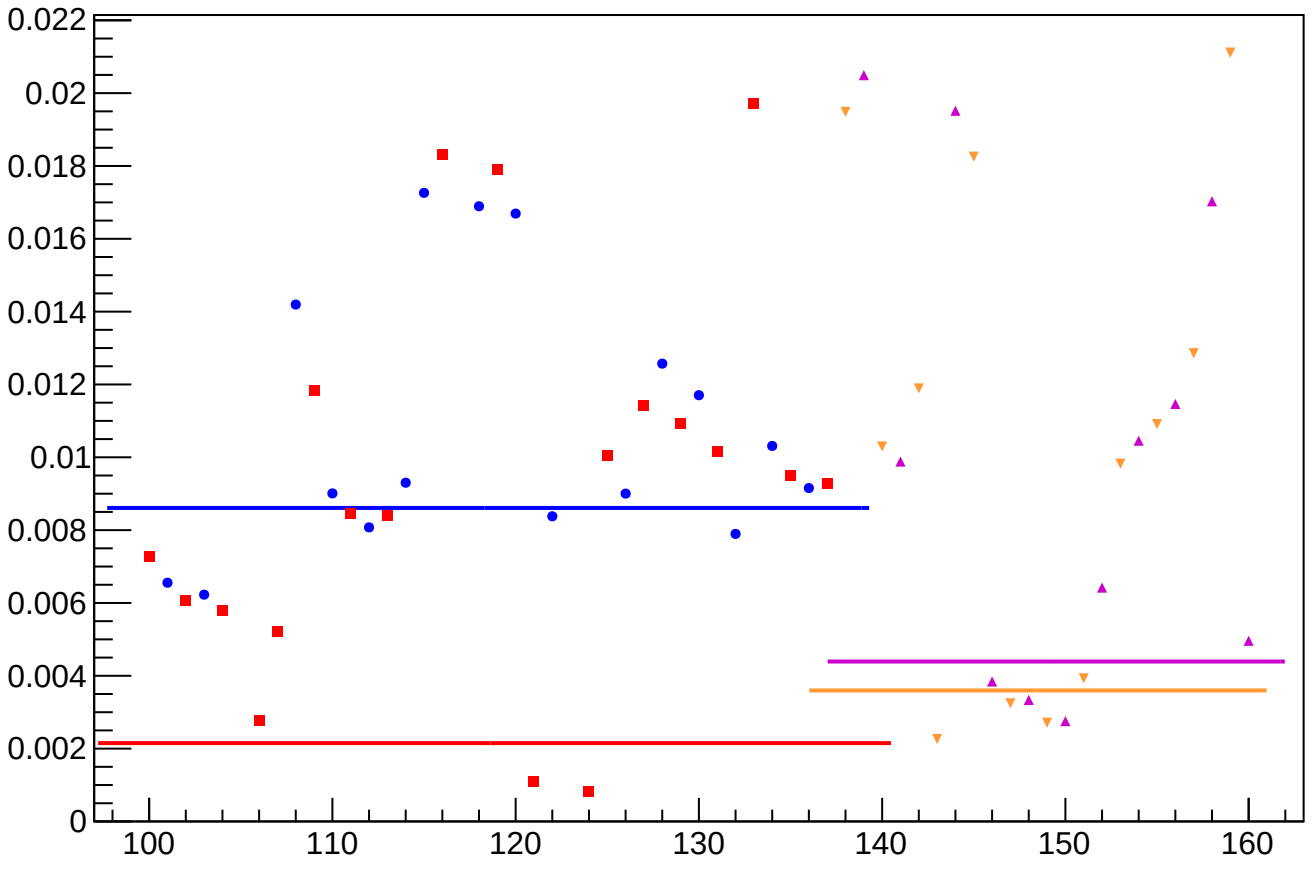
Left: 0.000+/-0.000 χ^2/NDF: 32.3/22

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.7/26

Out: 0.000+/-0.000 χ^2/NDF:39.6/30

All: 0.000+/-0.000 χ^2/NDF: 72.2/57



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:5734702.3/10

Left: 0.004+/-0.000 χ^2/NDF: 13224053.3/22

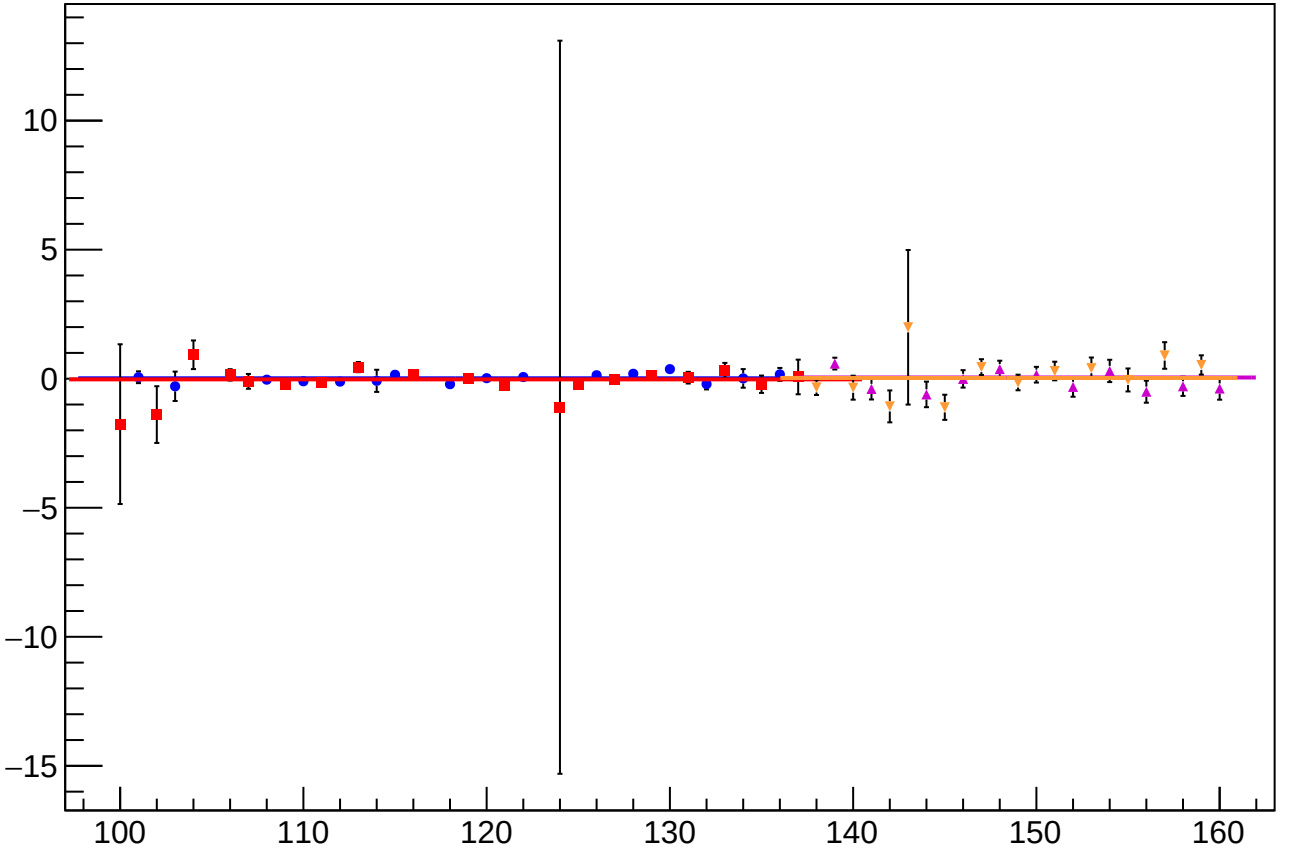
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9266902.0/26

Out: 0.003+/-0.000 χ^2/NDF:17379530.2/30

All: 0.004+/-0.000 χ^2/NDF: 30307489.8/57

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: 0.047+/-0.106 χ^2/NDF:14.3/10

Left: 0.039+/-0.078 χ^2/NDF: 33.9/22

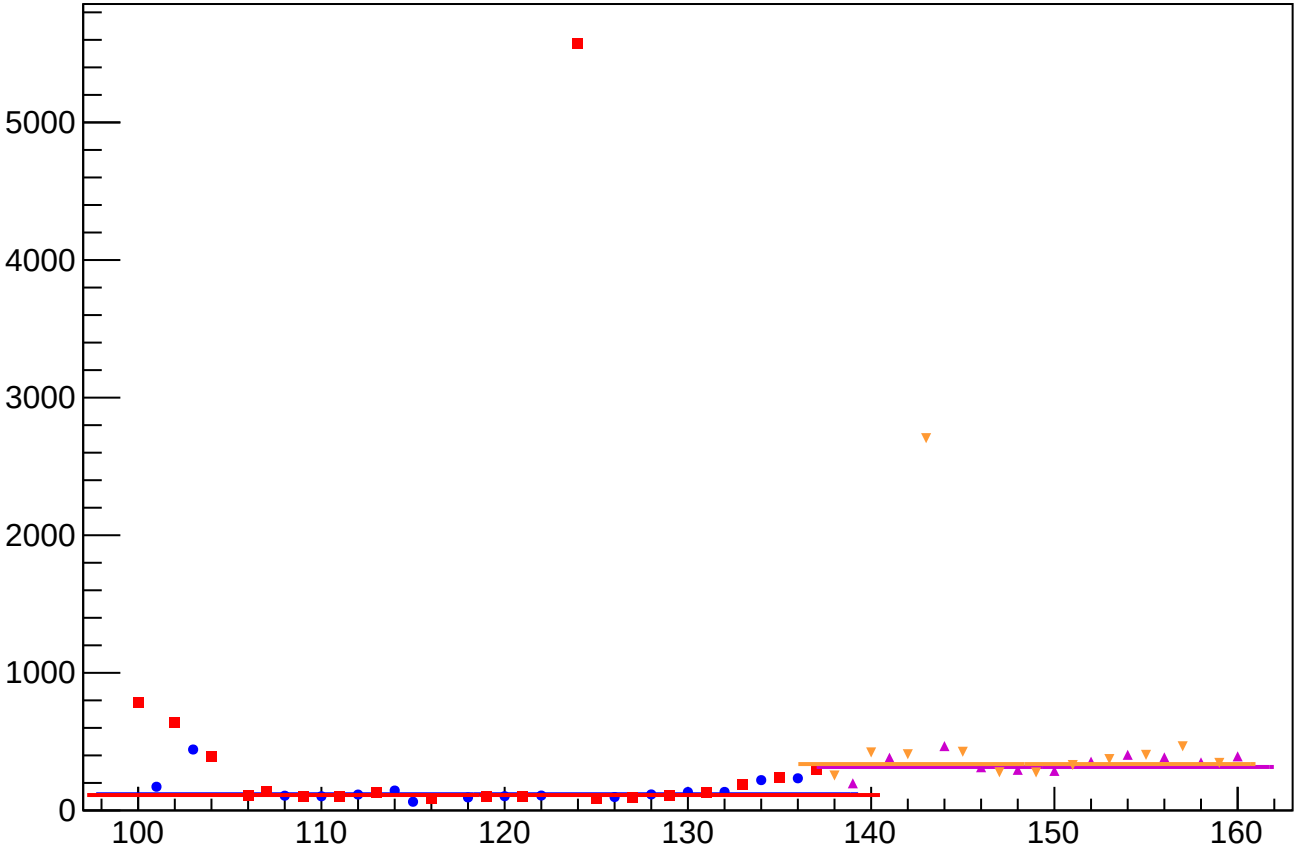
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.001+/-0.031 χ^2/NDF: 68.4/57

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: 316.084+/-0.075 χ^2/NDF:1042797.2/10

Left: 325.680+/-0.055 χ^2/NDF: 2992793.0/22

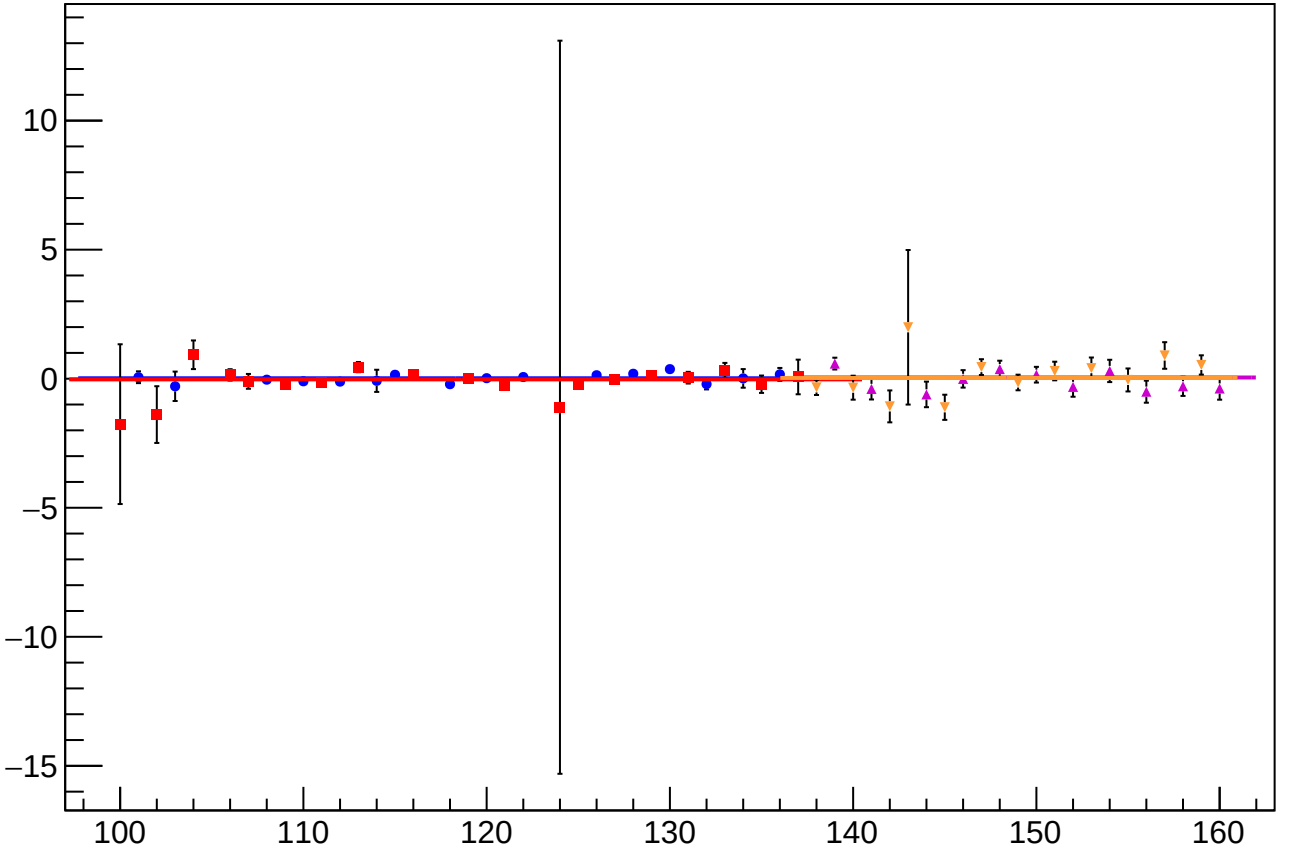
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 151.084+/-0.031 χ^2/NDF:8549985.4/26

Out: 143.618+/-0.031 χ^2/NDF:10558649.7/30

All: 147.331+/-0.022 χ^2/NDF: 19138012.1/57

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: 0.047+/-0.106 χ^2/NDF:14.3/10

Left: 0.039+/-0.078 χ^2/NDF: 33.9/22

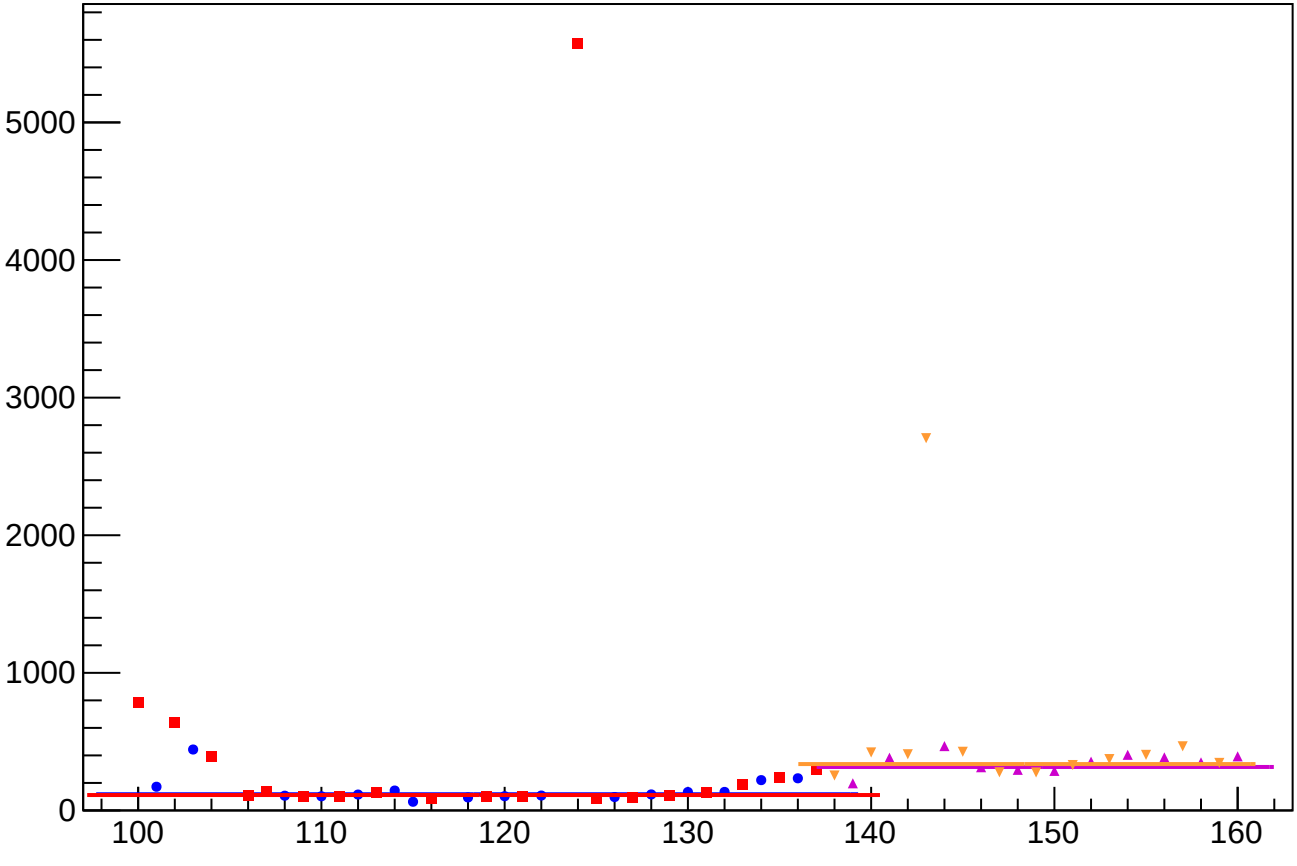
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.018+/-0.043 χ^2/NDF:41.8/30

All: 0.001+/-0.031 χ^2/NDF: 68.4/57

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: 316.084+/-0.075 χ^2/NDF:1042797.2/10

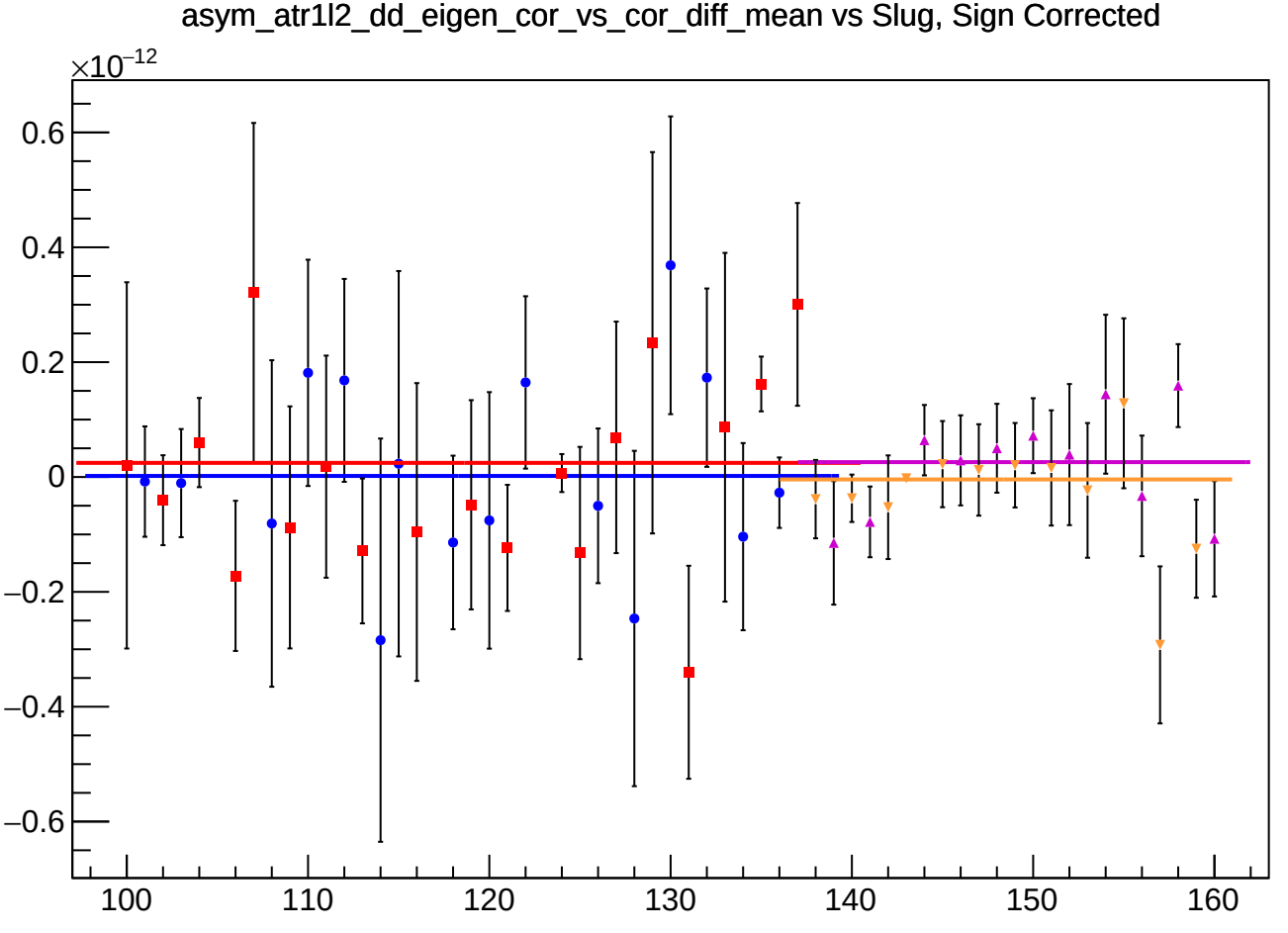
Left: 325.680+/-0.055 χ^2/NDF: 2992793.0/22

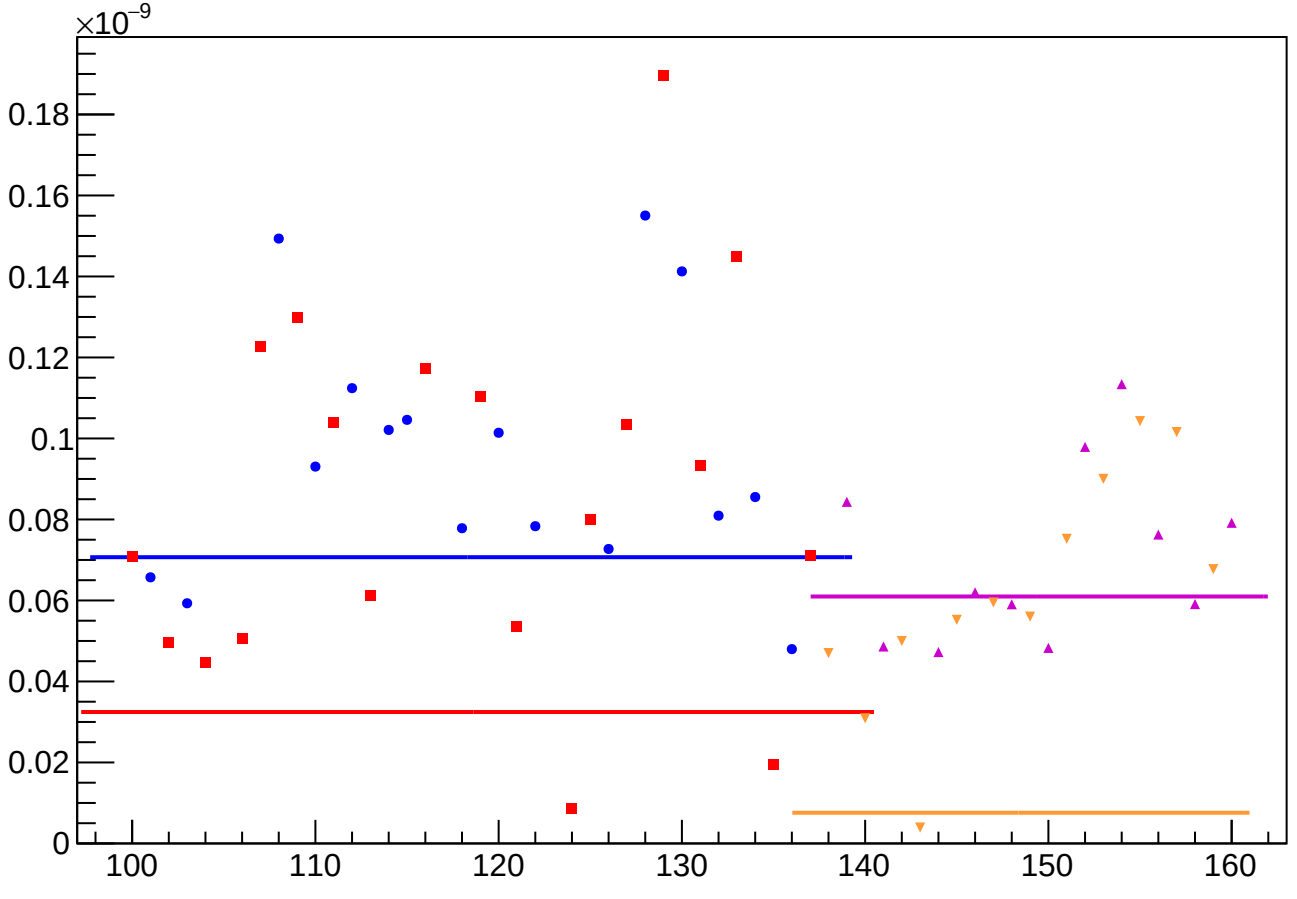
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 151.084+/-0.031 χ^2/NDF:8549985.4/26

Out: 143.618+/-0.031 χ^2/NDF:10558649.7/30

All: 147.331+/-0.022 χ^2/NDF: 19138012.1/57


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:8.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/18
Left In: 0.000+/-0.000 χ²/NDF:11.8/10
Left: -0.000+/-0.000 χ²/NDF: 22.1/22
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:21.2/26
Out: -0.000+/-0.000 χ²/NDF:34.7/30
All: -0.000+/-0.000 χ²/NDF: 56.8/57



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:929692.0/10

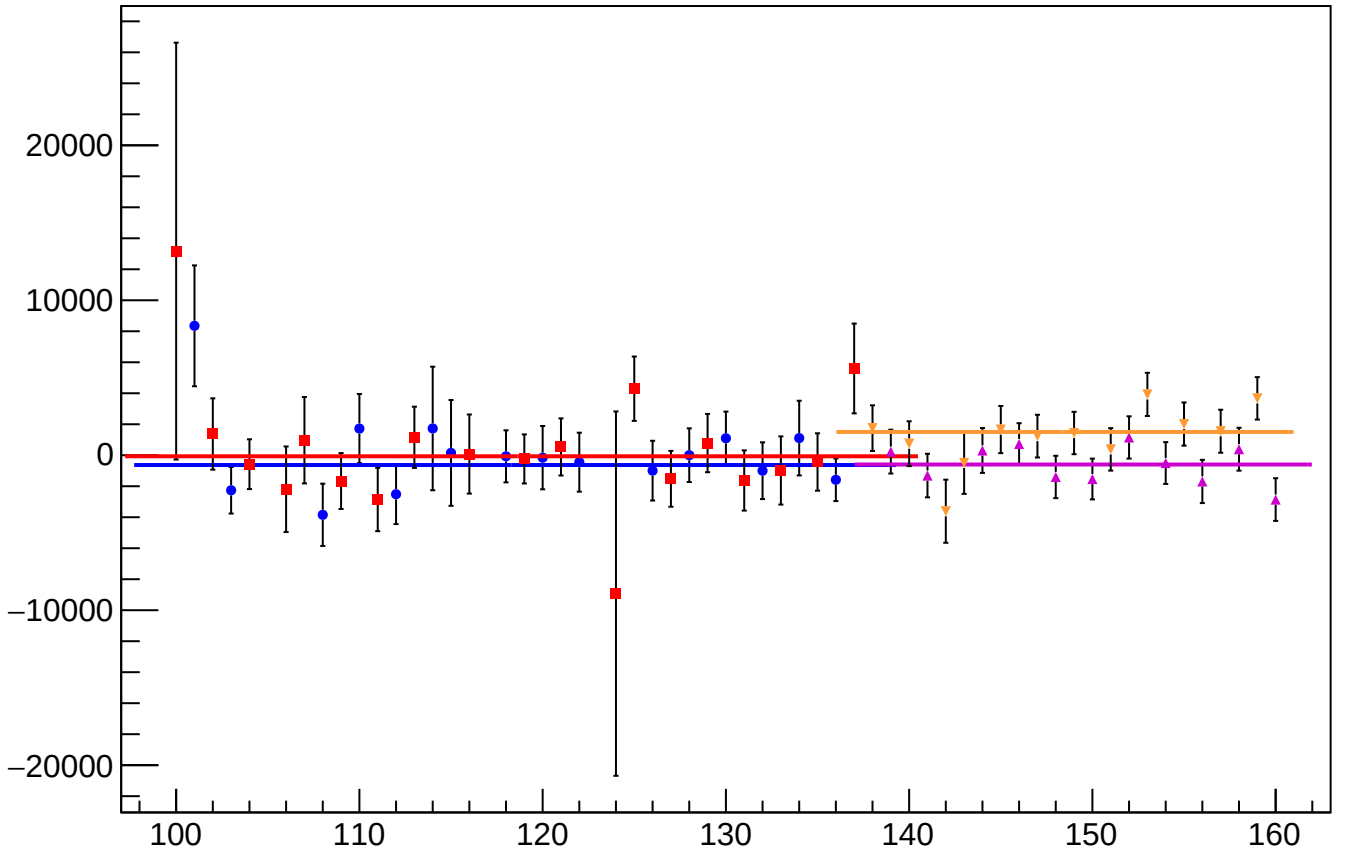
Left: 0.000+/-0.000 χ^2/NDF: 19471822.4/22

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2059087.8/26

Out: 0.000+/-0.000 χ^2/NDF:16455682.2/30

All: 0.000+/-0.000 χ^2/NDF: 32290548.0/57



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: -597.367+/-415.077 χ^2/NDF:8.3/10

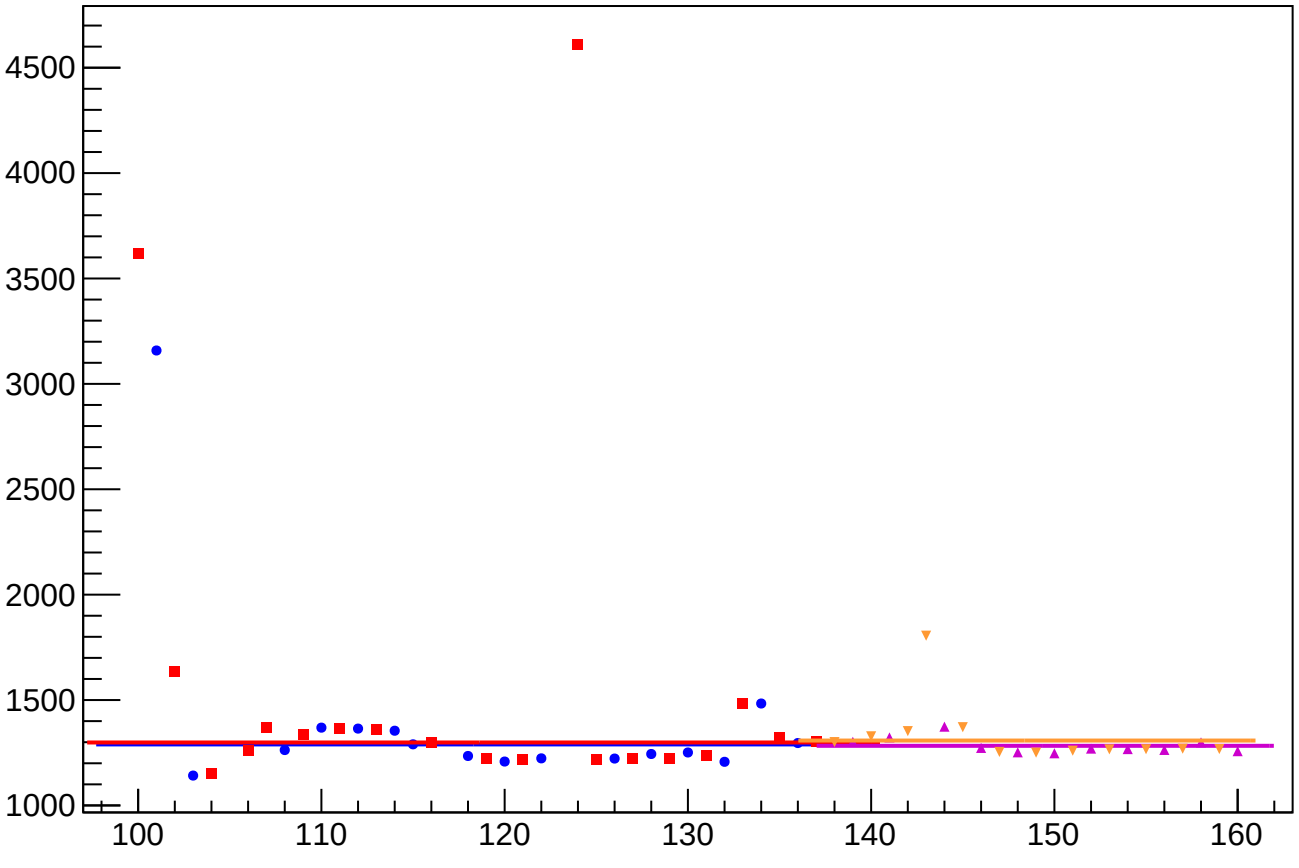
Left: 428.275+/-296.893 χ^2/NDF: 34.8/22

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -611.480+/-316.355 χ^2/NDF:22.2/26

Out: 825.297+/-320.356 χ^2/NDF:35.8/30

All: 97.881+/-225.098 χ^2/NDF: 68.2/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

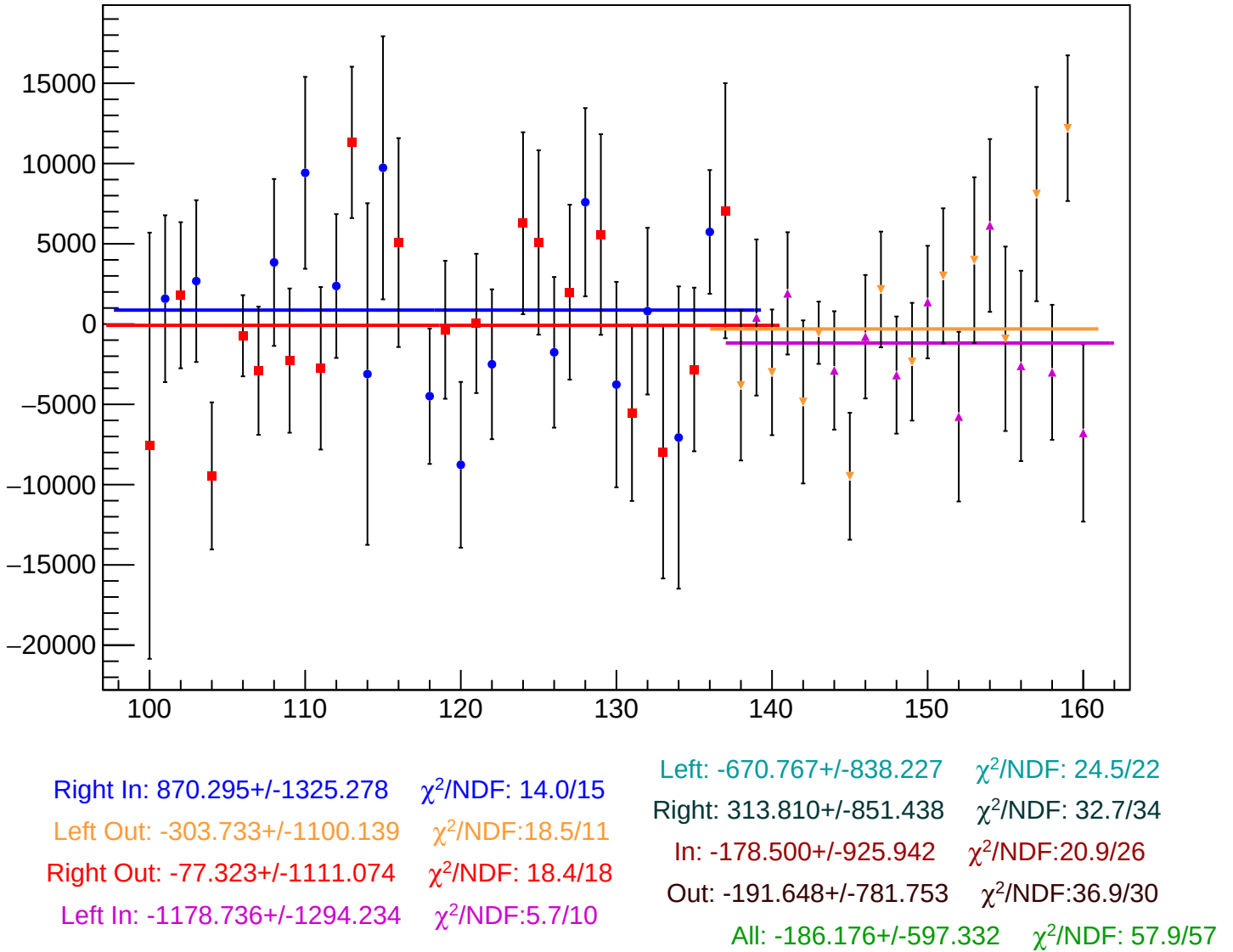
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

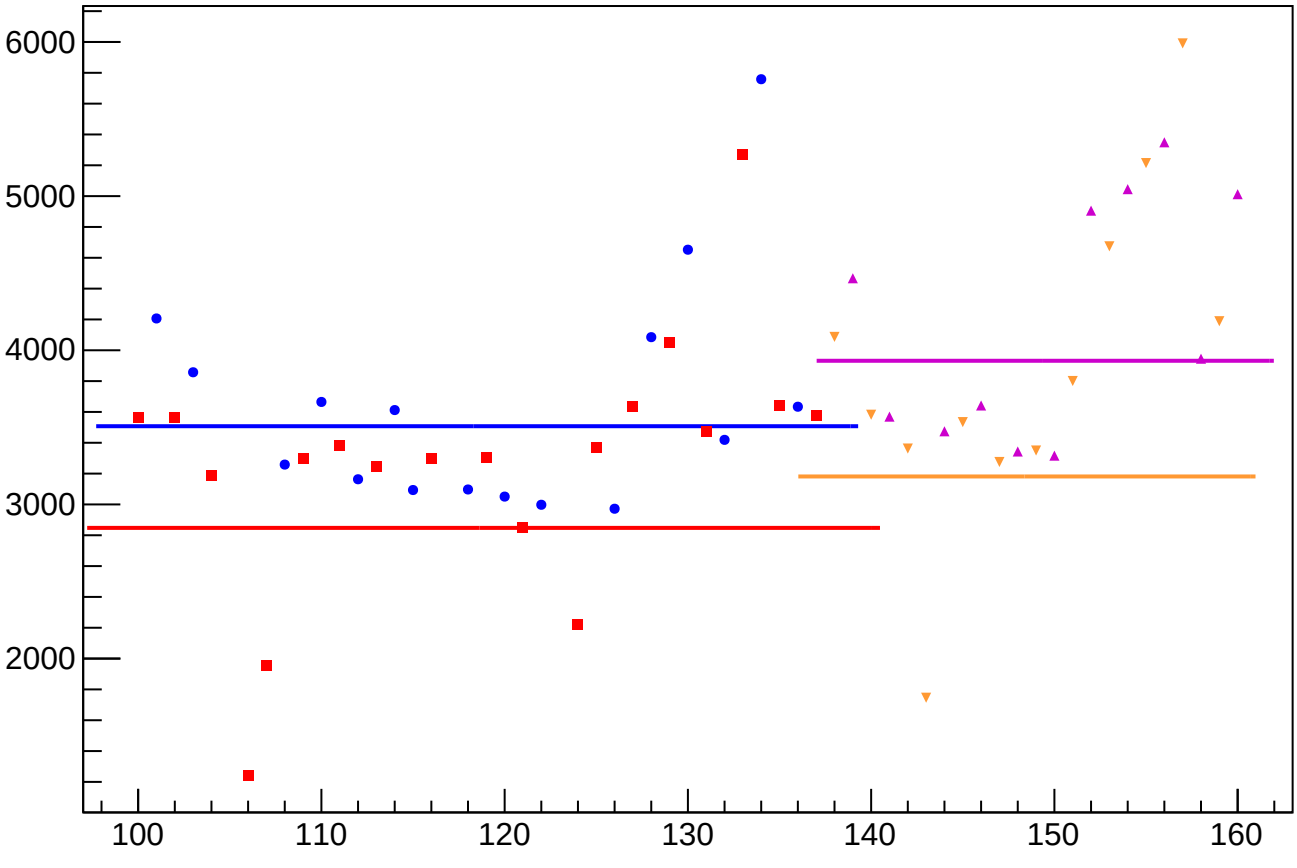
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1285.634+/-0.224 χ^2/NDF:529109.1/26

Out: 1303.859+/-0.226 χ^2/NDF:464443.4/30

All: 1294.642+/-0.159 χ^2/NDF: 996833.4/57


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: -1178.736+/-1294.234 χ²/NDF:5.7/10
Left: -670.767+/-838.227 χ²/NDF: 24.5/22
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -178.500+/-925.942 χ²/NDF:20.9/26
Out: -191.648+/-781.753 χ²/NDF:36.9/30
All: -186.176+/-597.332 χ²/NDF: 57.9/57



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: 3931.901+/-0.915 χ^2/NDF:542555.0/10

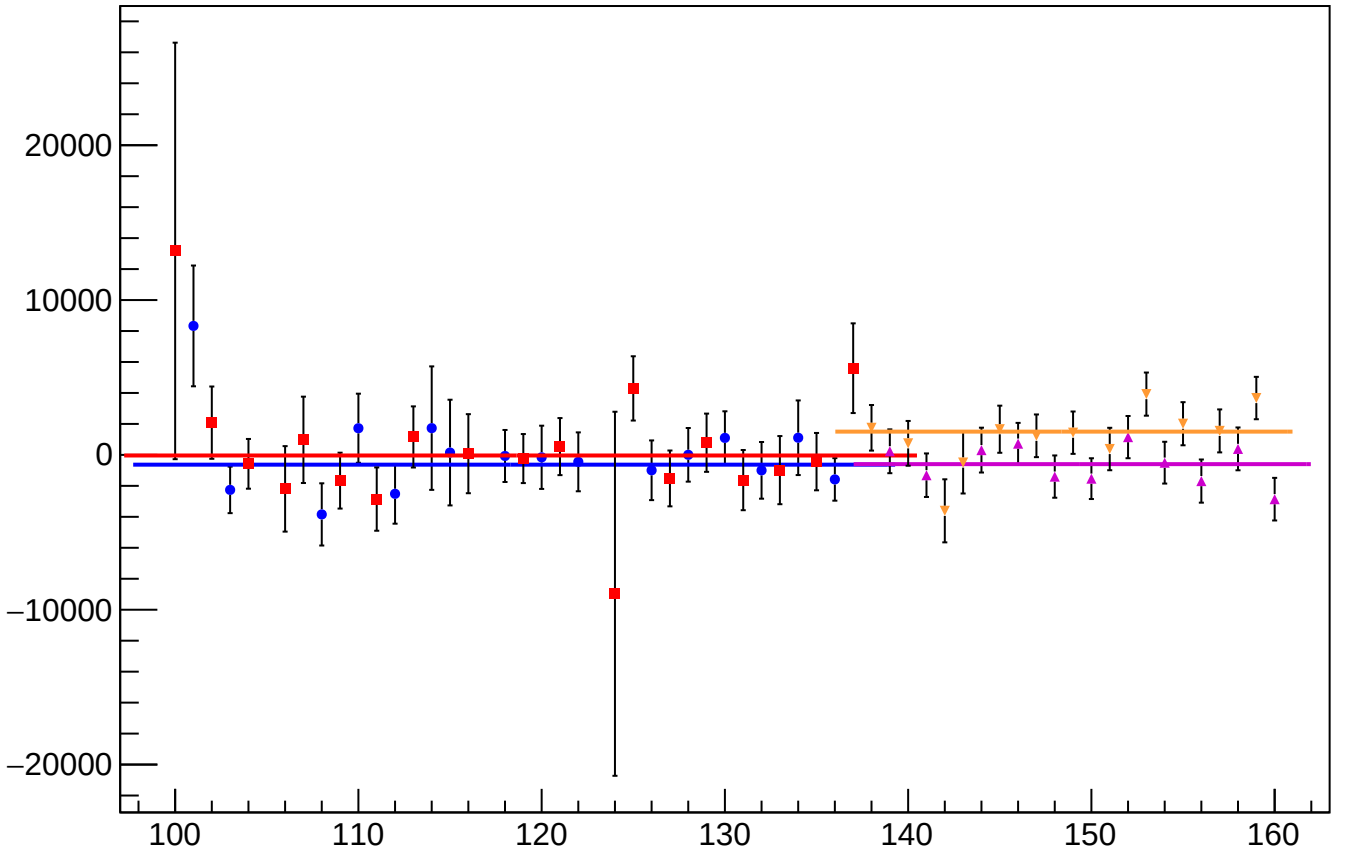
Left: 3496.189+/-0.593 χ^2/NDF: 3062401.4/22

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3724.679+/-0.655 χ^2/NDF:1001565.9/26

Out: 3016.247+/-0.553 χ^2/NDF:3719764.2/30

All: 3311.070+/-0.422 χ^2/NDF: 5404847.5/57



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: -597.365+/-415.077 χ^2/NDF:8.3/10

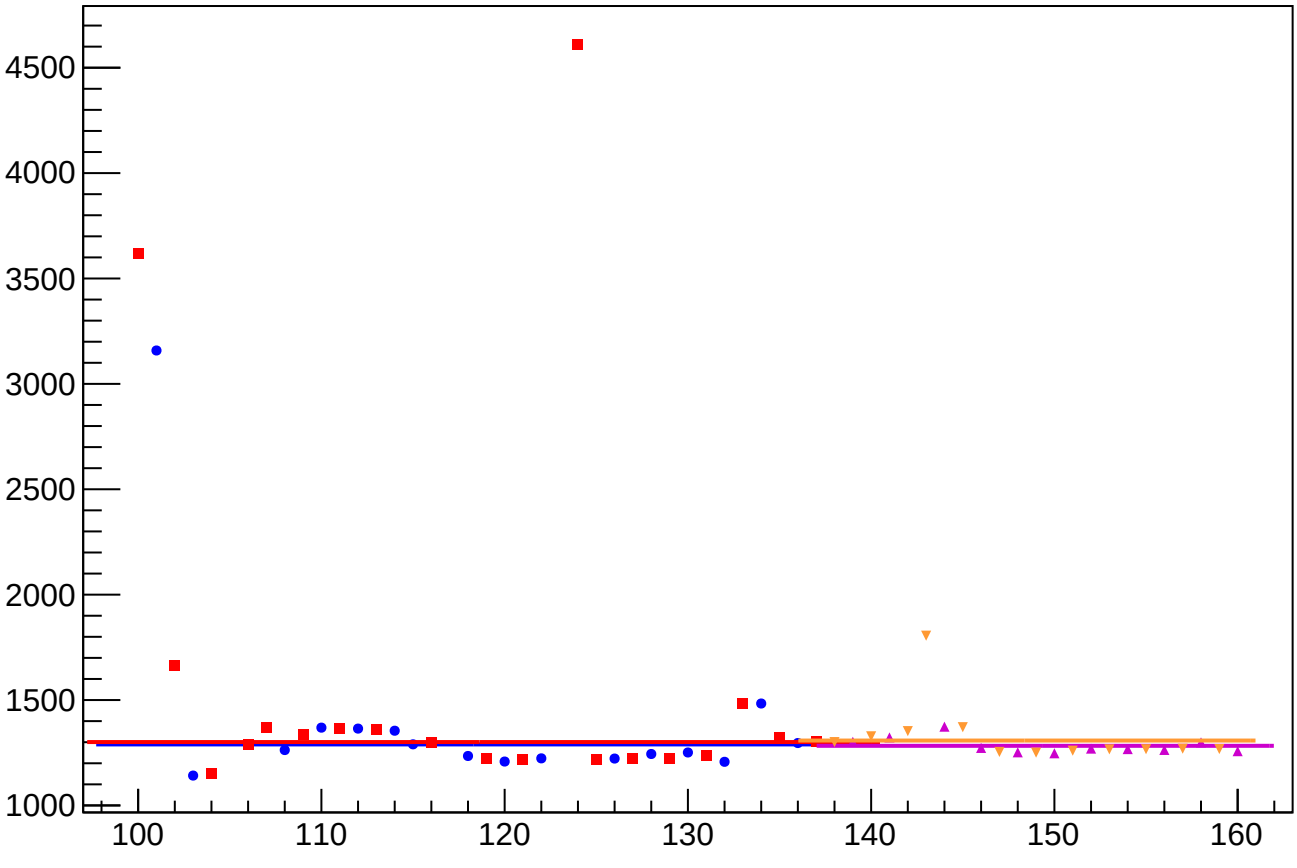
Left: 428.281+/-296.893 χ^2/NDF: 34.8/22

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 104.023+/-225.130 χ^2/NDF: 68.5/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

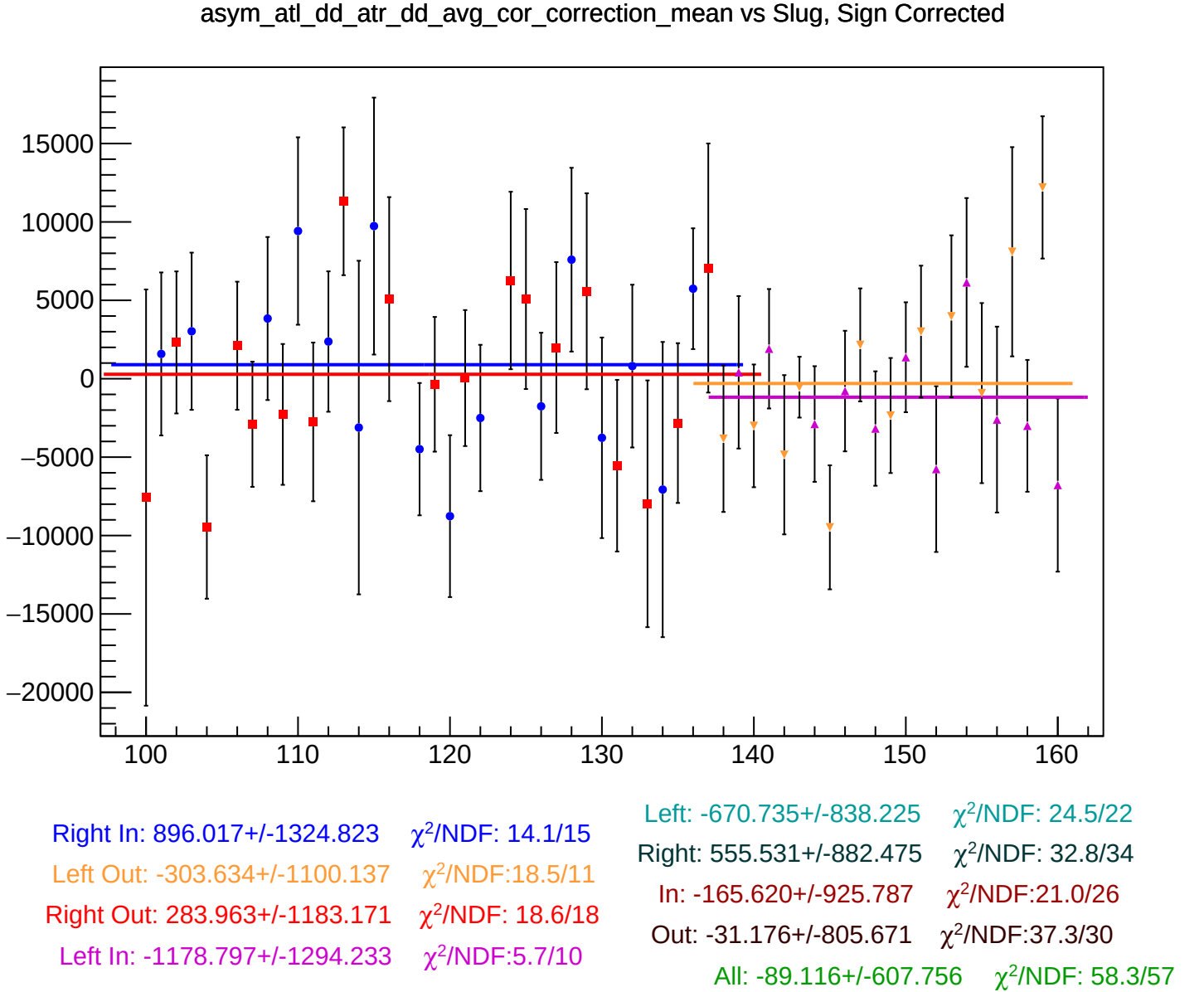
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

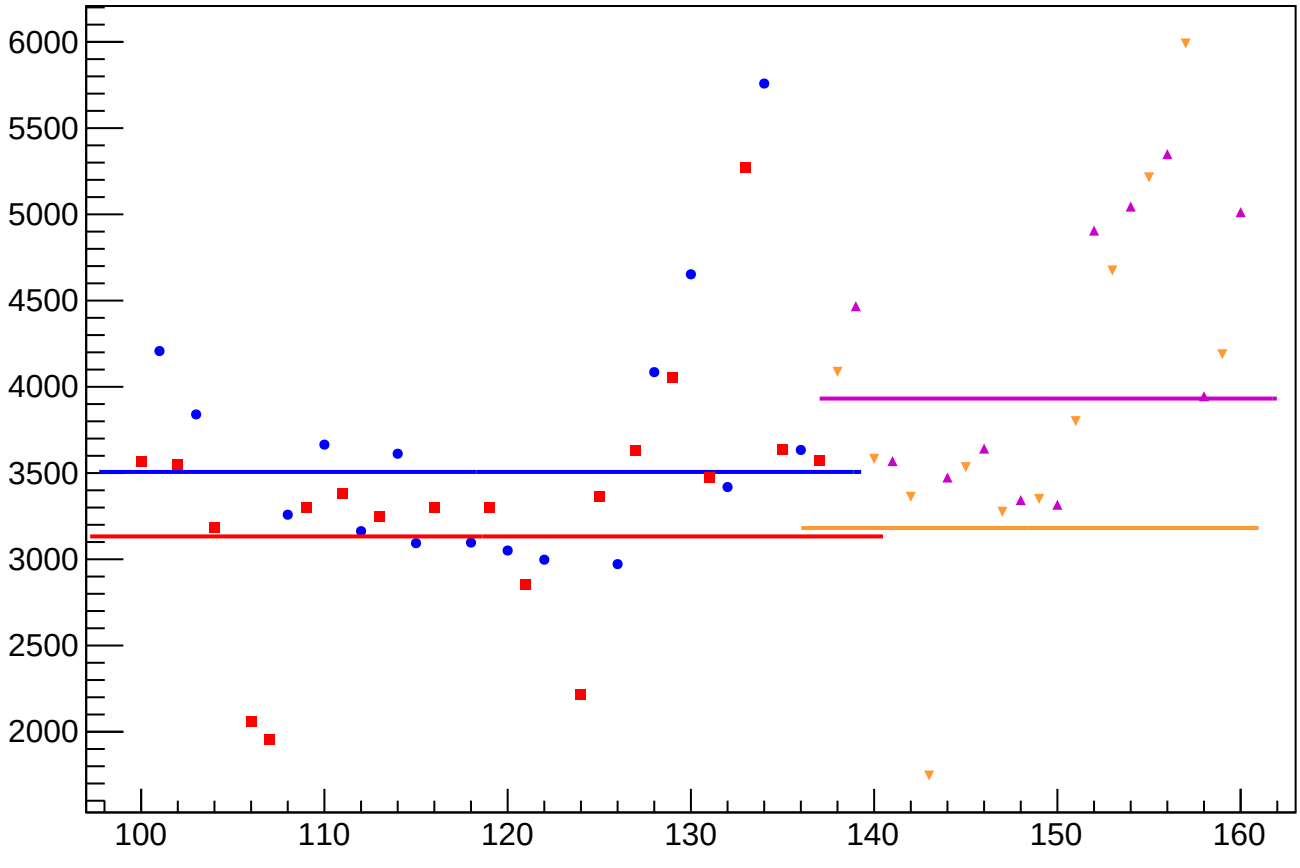
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

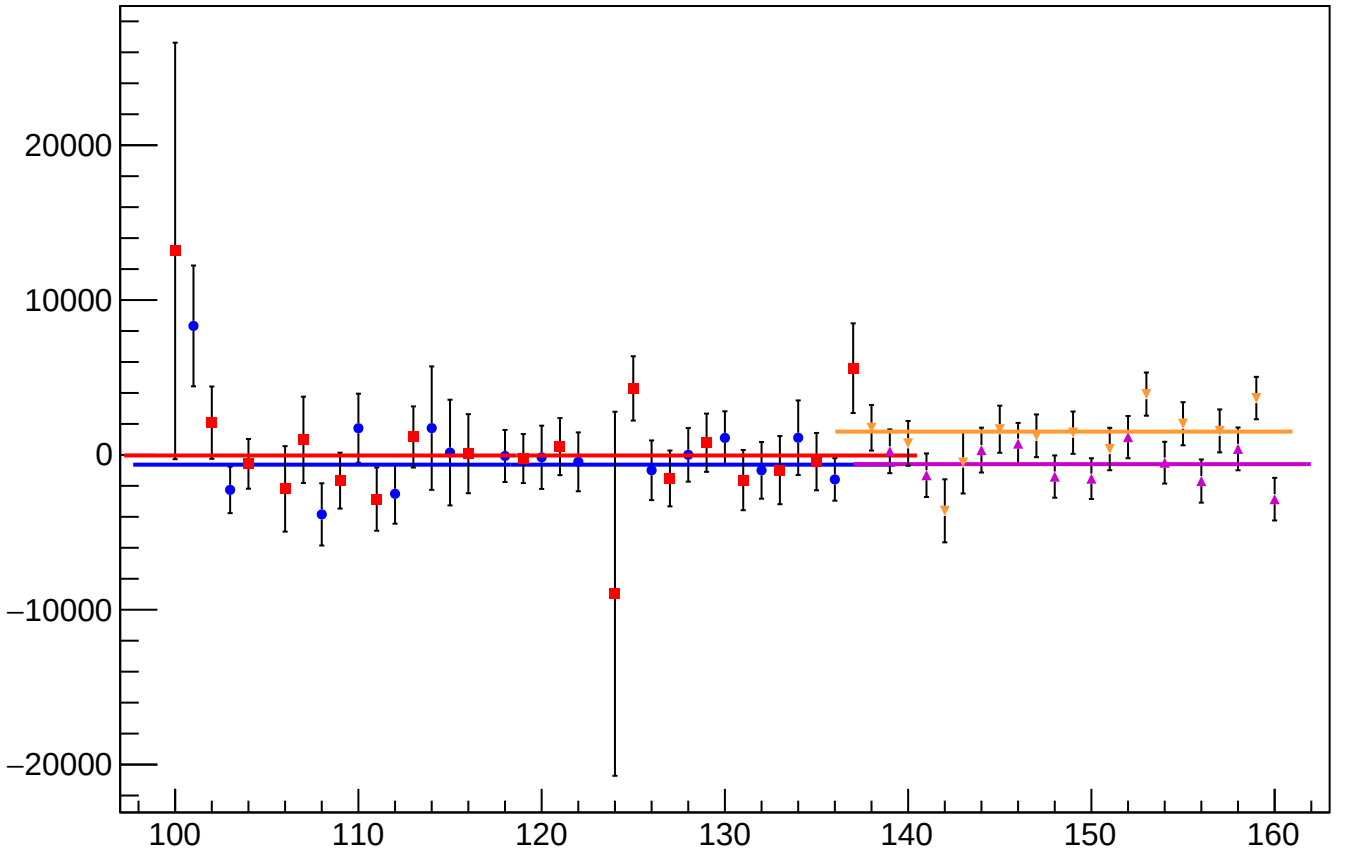
In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57


asym_atl_dd_atr_dd_avg_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: -1178.797+/-1294.233 χ²/NDF:5.7/10
Left: -670.735+/-838.225 χ²/NDF: 24.5/22
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -165.620+/-925.787 χ²/NDF:21.0/26
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -89.116+/-607.756 χ²/NDF: 58.3/57


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: 3931.897+/-0.915 χ²/NDF:542555.5/10
Left: 3496.180+/-0.593 χ²/NDF: 3062432.1/22
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3724.158+/-0.655 χ²/NDF:1001312.5/26
Out: 3158.741+/-0.570 χ²/NDF:2780842.6/30
All: 3402.413+/-0.430 χ²/NDF: 4206666.7/57



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: -597.365+/-415.077 χ^2/NDF:8.3/10

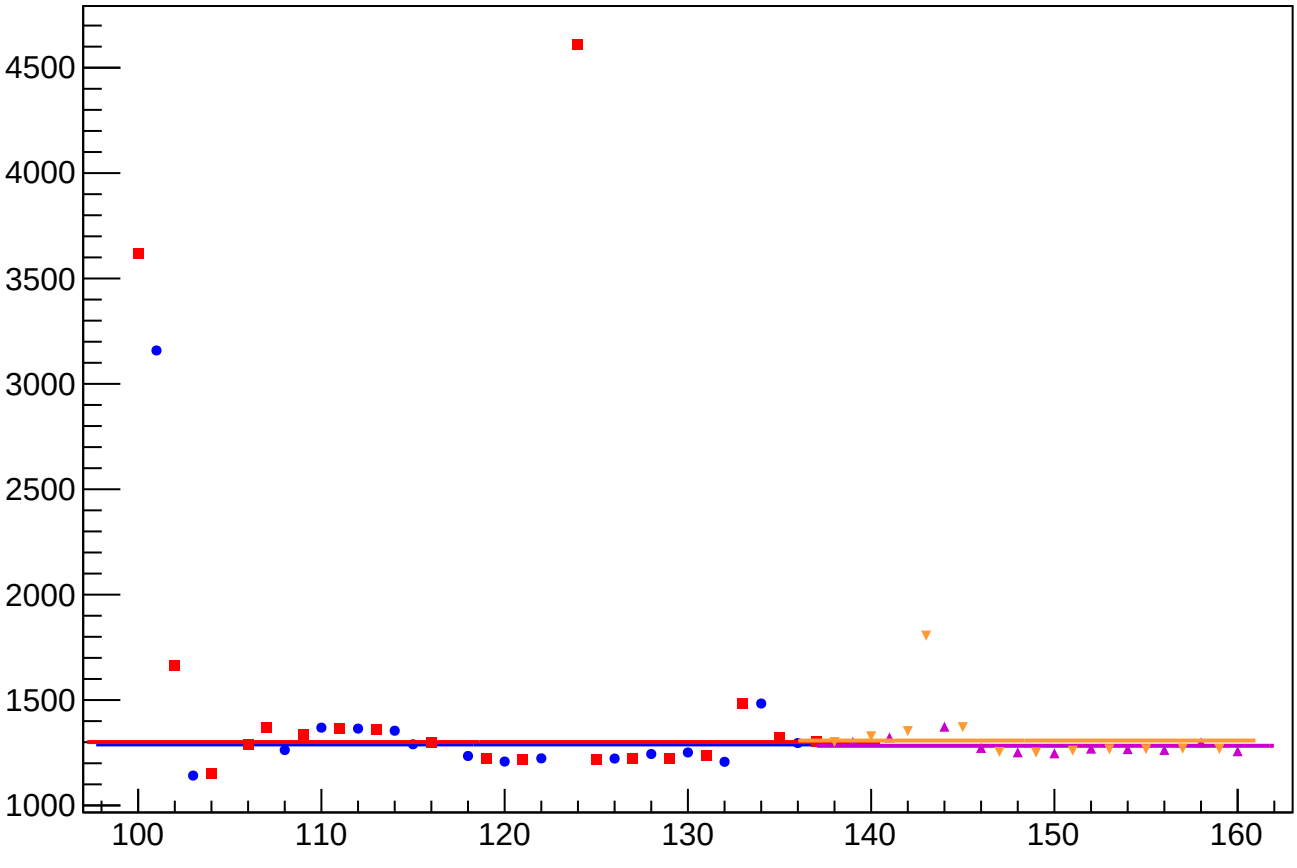
Left: 428.281+/-296.893 χ^2/NDF: 34.8/22

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 104.023+/-225.130 χ^2/NDF: 68.5/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

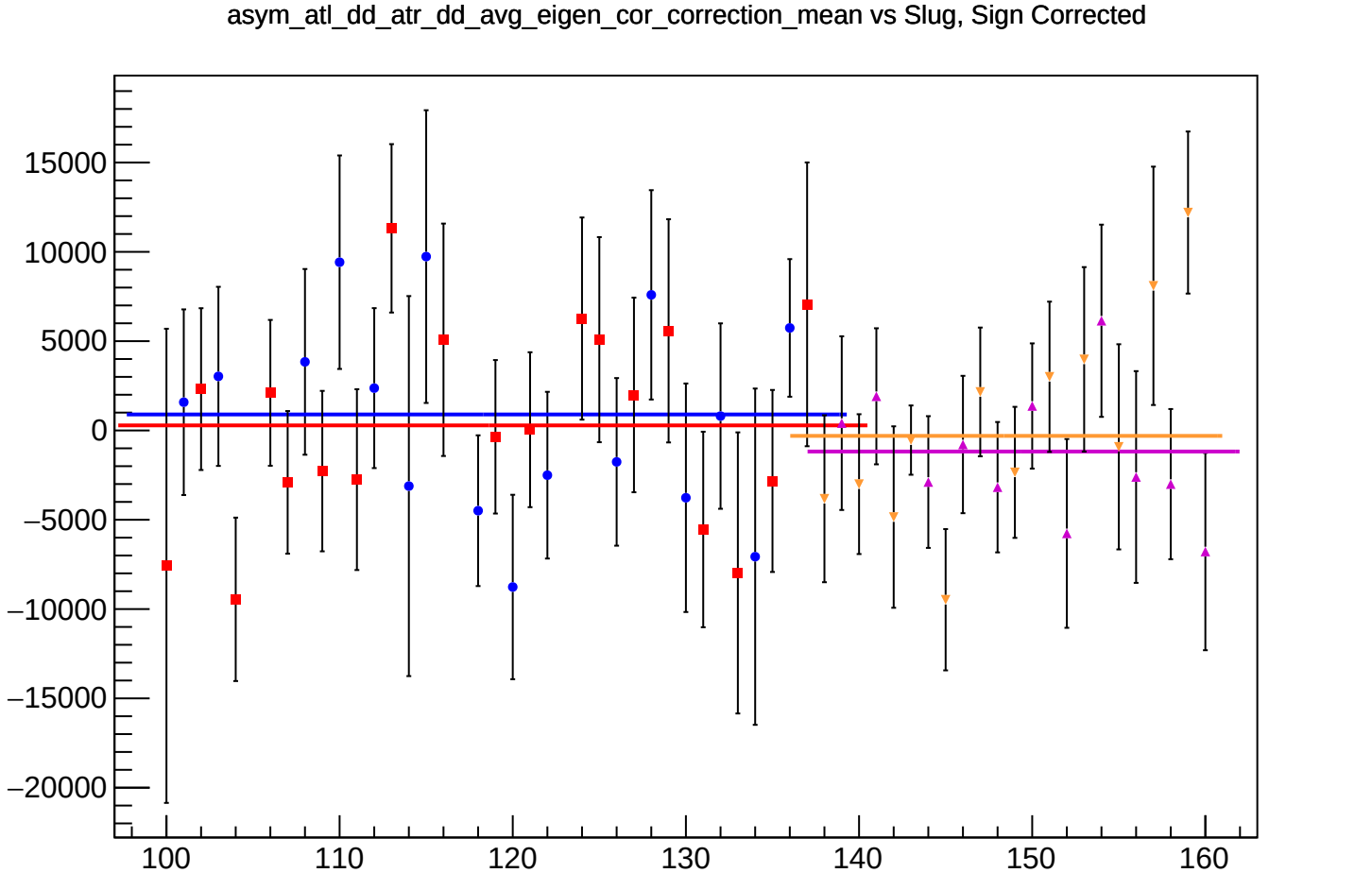
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57



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: -1178.797+/-1294.233 χ^2/NDF:5.7/10

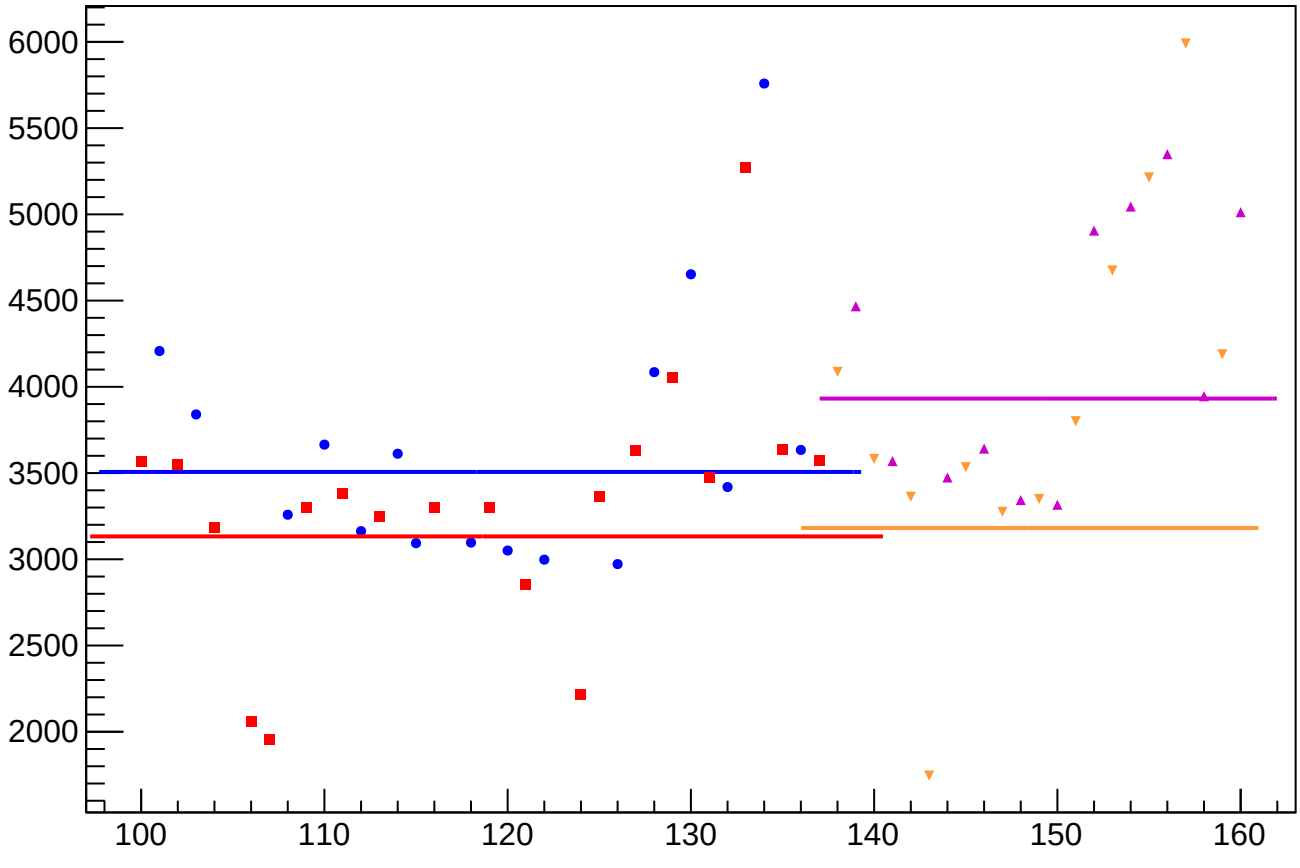
Left: -670.735+/-838.225 χ^2/NDF: 24.5/22

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: -31.176+/-805.671 χ^2/NDF:37.3/30

All: -89.116+/-607.756 χ^2/NDF: 58.3/57



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: 3931.897+/-0.915 χ^2/NDF:542555.5/10

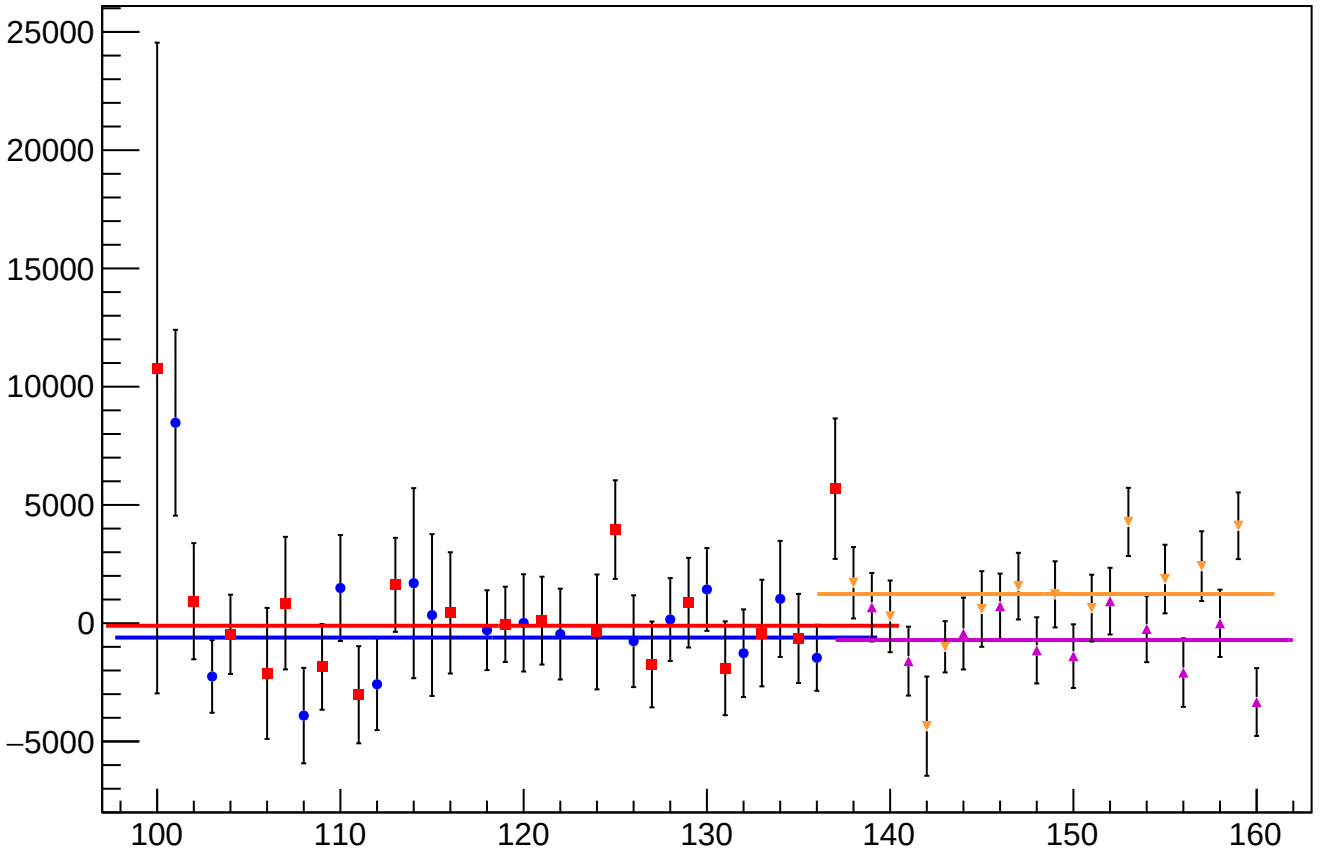
Left: 3496.180+/-0.593 χ^2/NDF: 3062432.1/22

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57



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: -712.705+/-428.982 χ^2/NDF:8.7/10

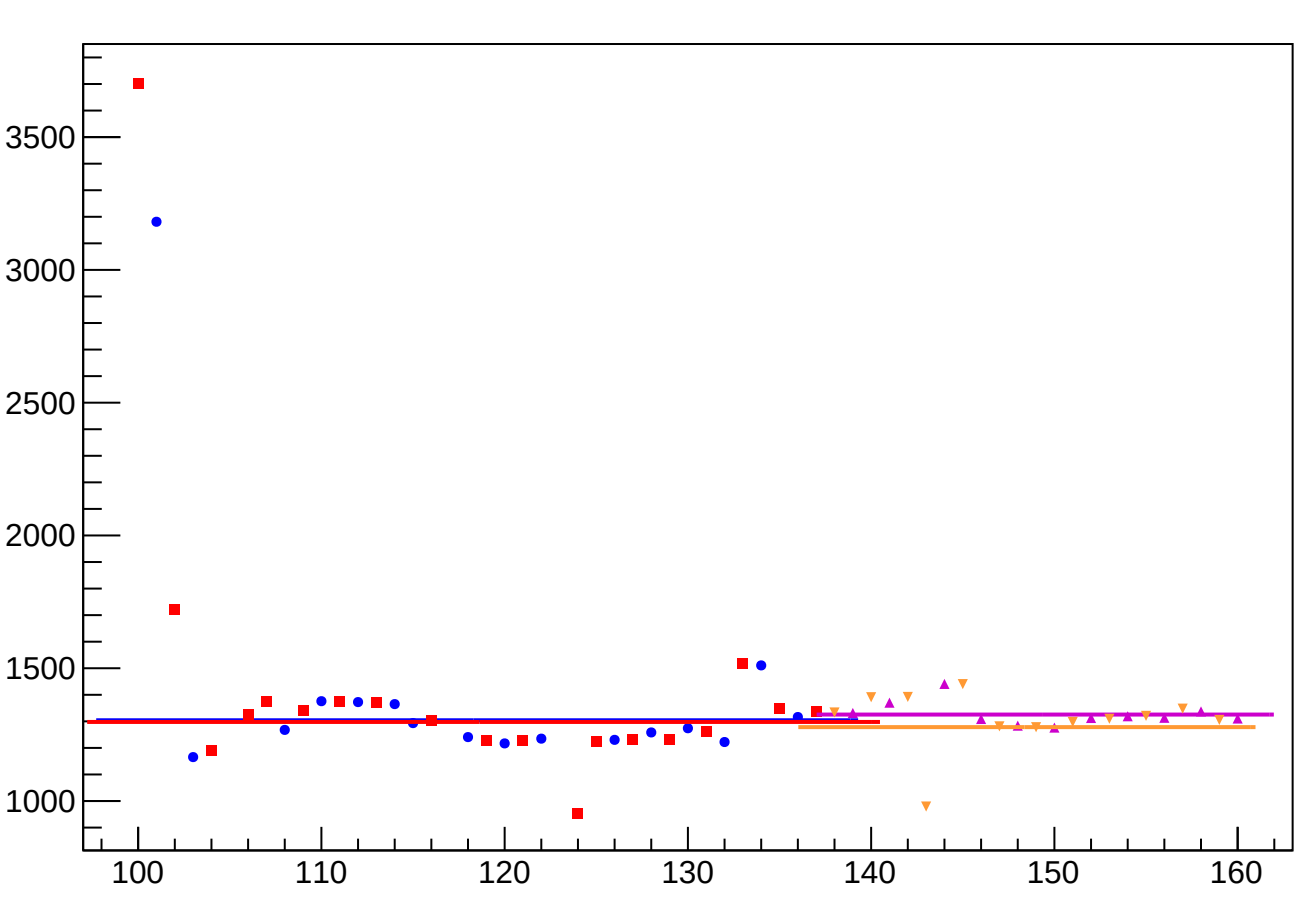
Left: 290.898+/-298.608 χ^2/NDF: 41.0/22

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -667.638+/-323.953 χ^2/NDF:22.8/26

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 15.999+/-226.158 χ^2/NDF: 72.5/57



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: 1325.597+/-0.303 χ^2/NDF:18904.0/10

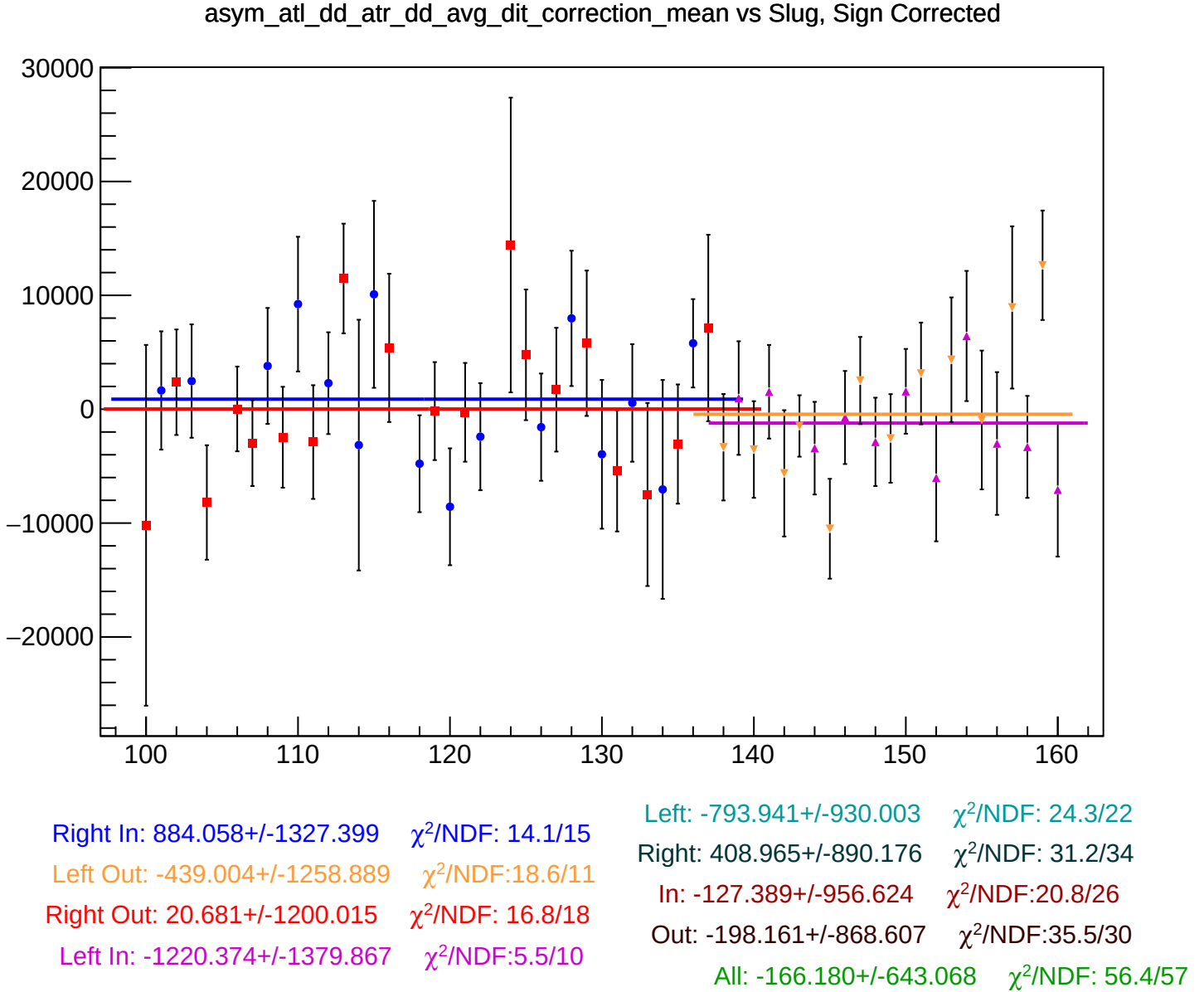
Left: 1301.219+/-0.211 χ^2/NDF: 232022.2/22

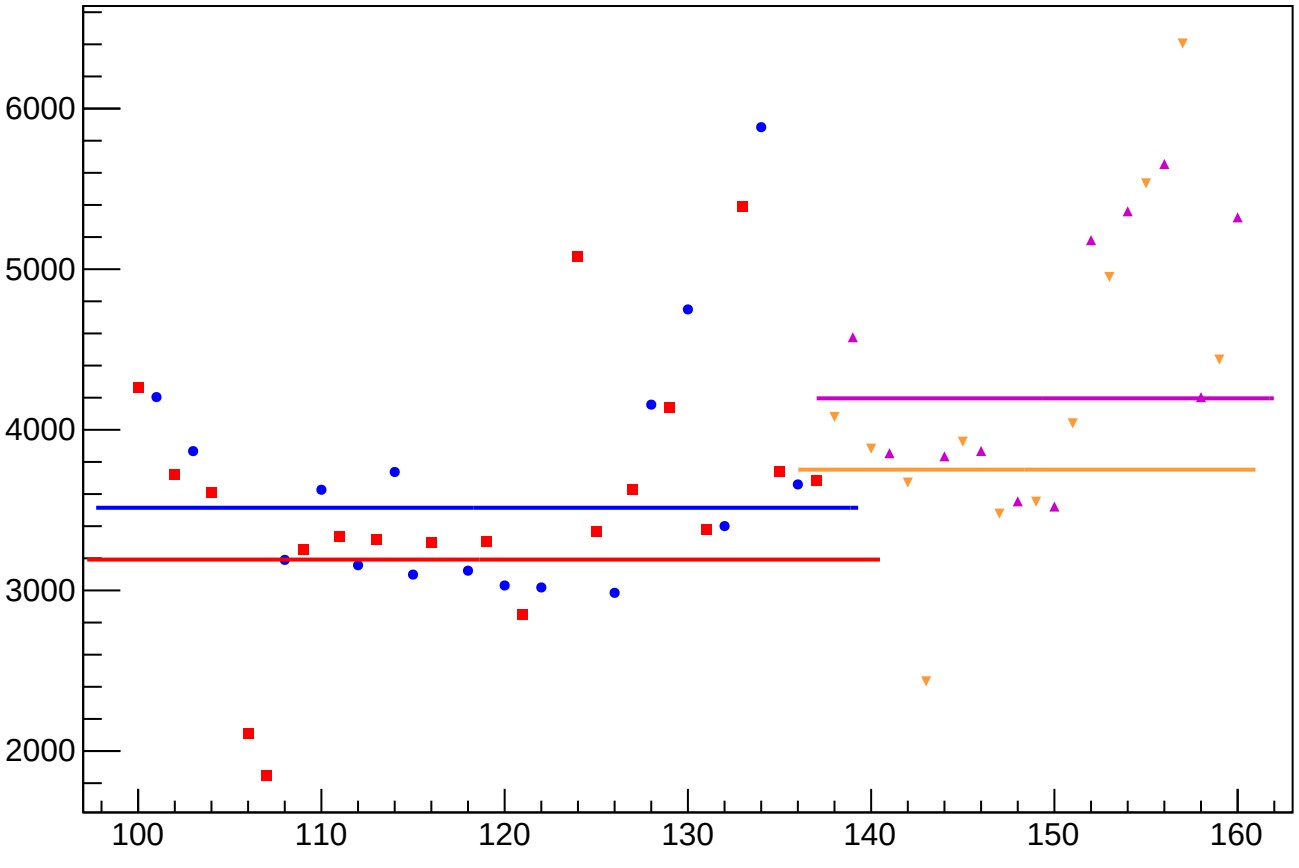
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

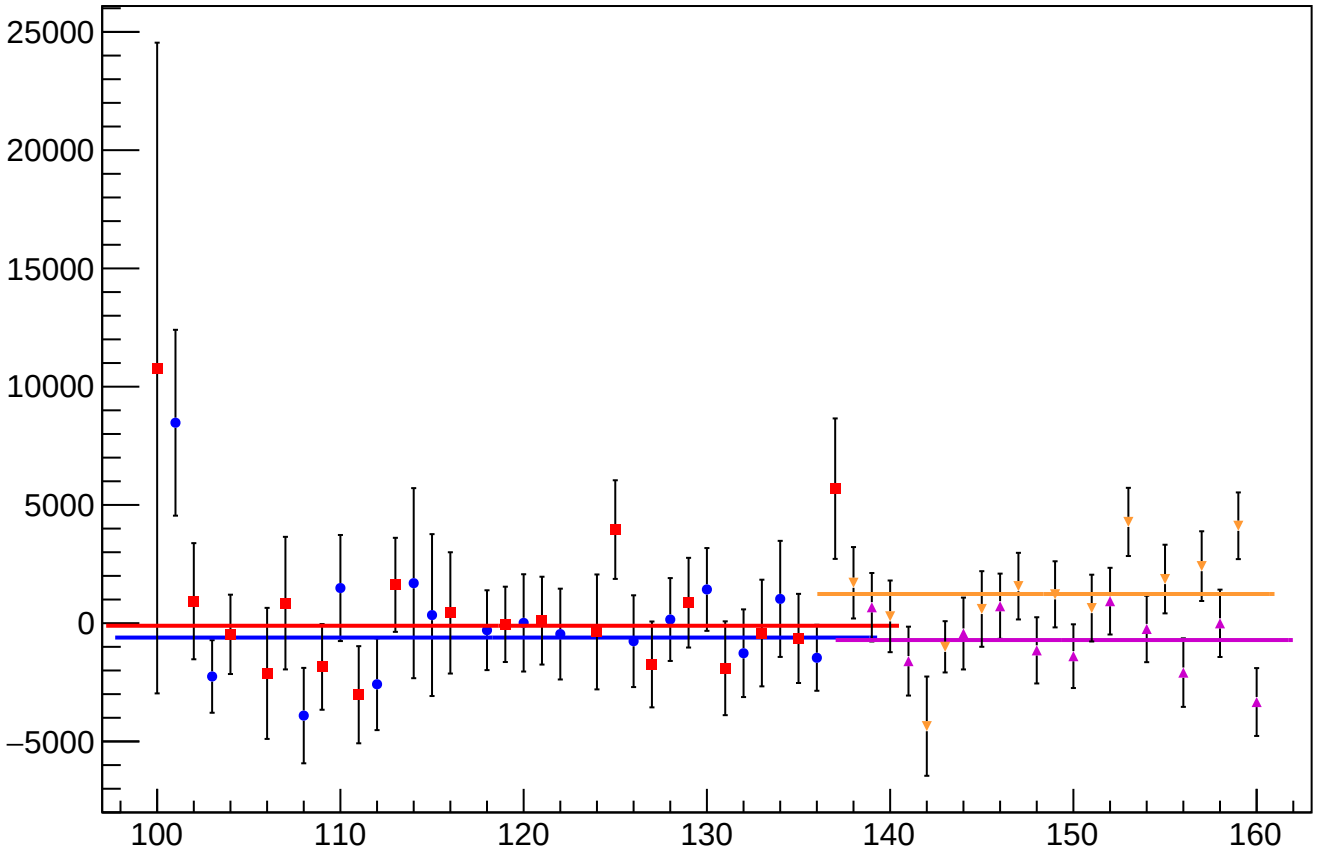
In: 1316.360+/-0.229 χ^2/NDF:531651.3/26

Out: 1286.560+/-0.223 χ^2/NDF:415545.4/30

All: 1301.079+/-0.160 χ^2/NDF: 955875.4/57


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: -1220.374+/-1379.867 χ²/NDF:5.5/10
Left: -793.941+/-930.003 χ²/NDF: 24.3/22
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -127.389+/-956.624 χ²/NDF:20.8/26
Out: -198.161+/-868.607 χ²/NDF:35.5/30
All: -166.180+/-643.068 χ²/NDF: 56.4/57


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3752.024+/-0.890 χ²/NDF:1101737.2/11
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4196.018+/-0.976 χ²/NDF:501534.5/10
Left: 3953.708+/-0.658 χ²/NDF: 1716278.4/22
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3842.184+/-0.676 χ²/NDF:1129820.9/26
Out: 3458.718+/-0.614 χ²/NDF:2081450.1/30
All: 3632.002+/-0.455 χ²/NDF: 3387415.9/57



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: -712.706+/-428.982 χ^2/NDF:8.7/10

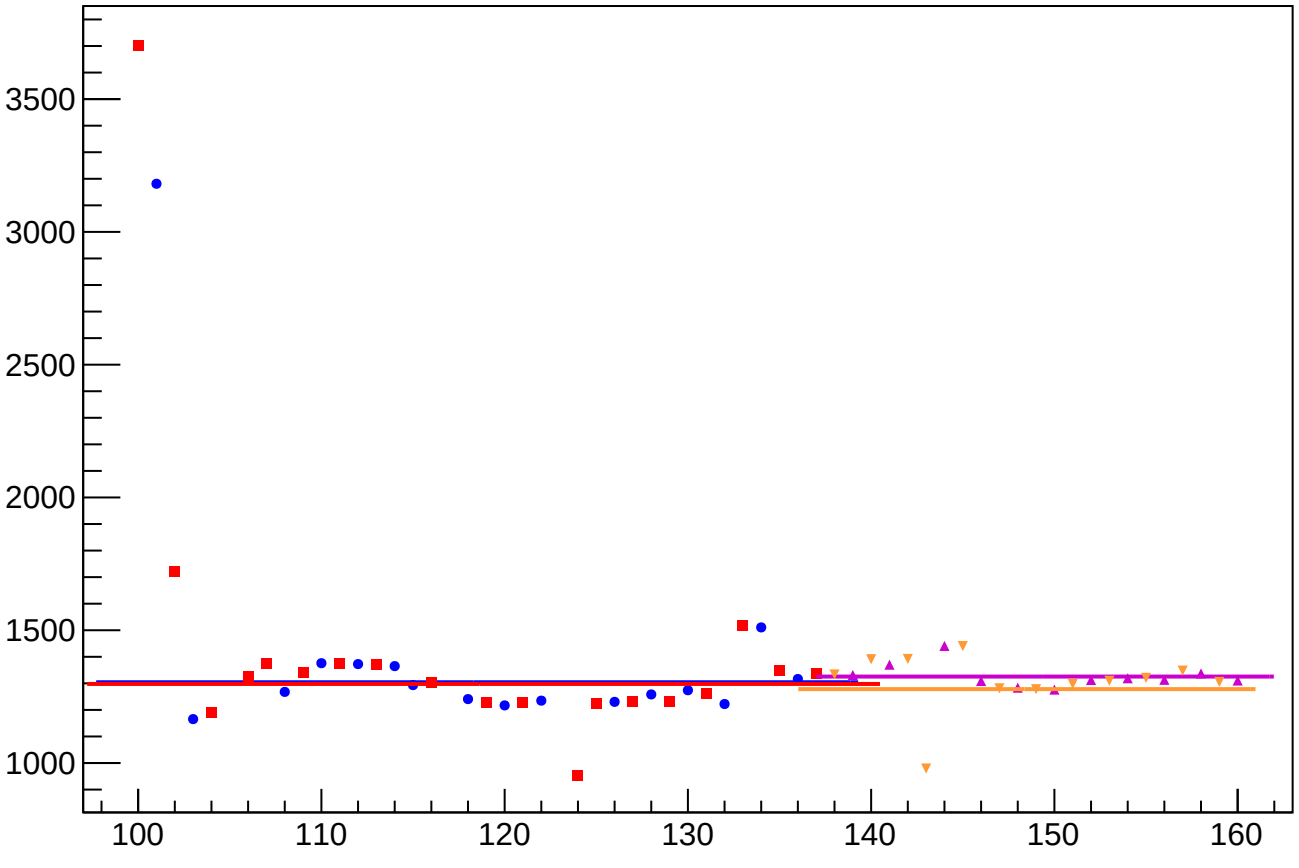
Left: 290.899+/-298.608 χ^2/NDF: 41.0/22

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -667.640+/-323.953 χ^2/NDF:22.8/26

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 15.998+/-226.159 χ^2/NDF: 72.5/57



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: 1325.598+/-0.303 χ^2/NDF:18904.1/10

Left: 1301.220+/-0.211 χ^2/NDF: 232022.8/22

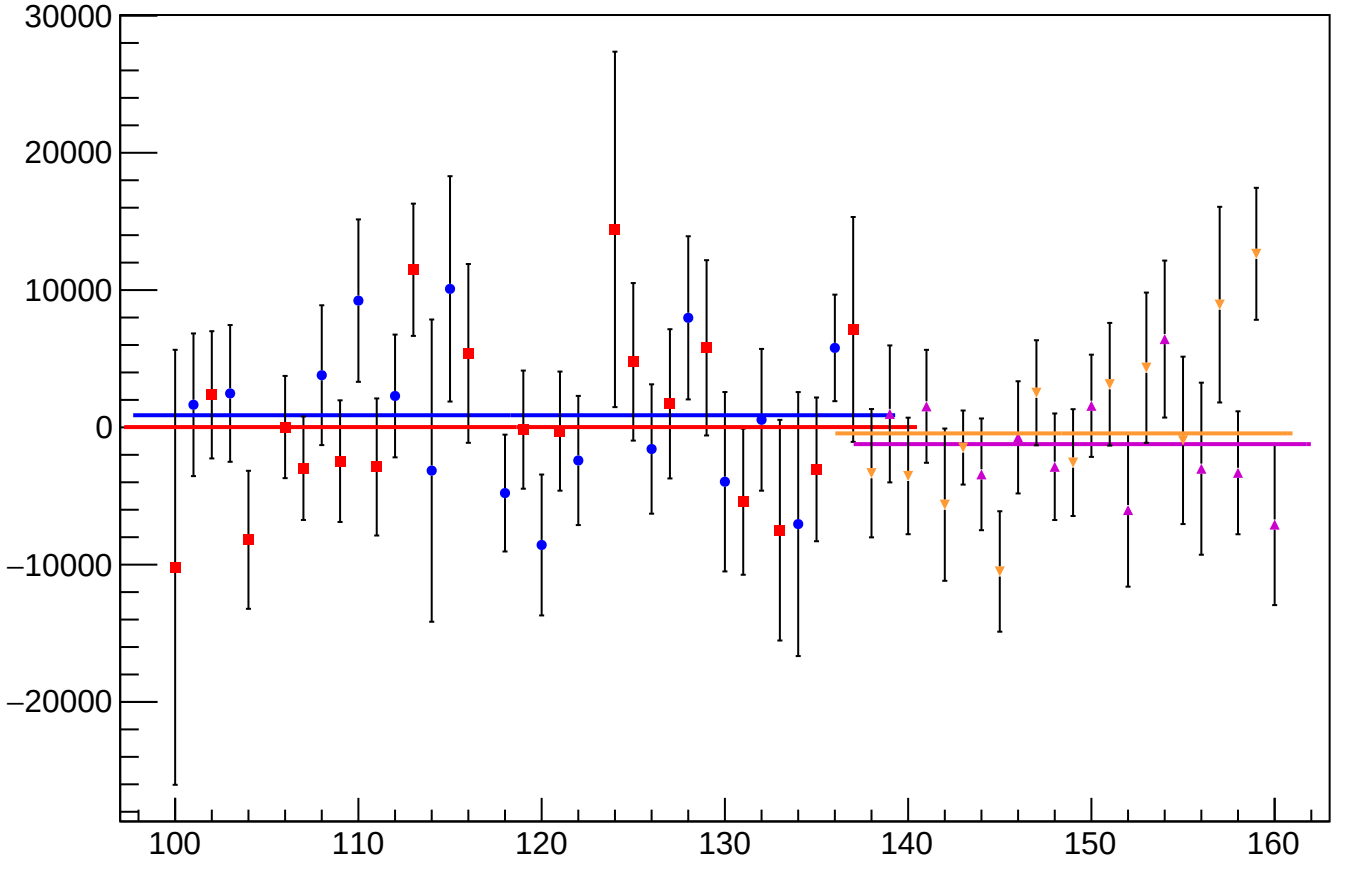
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.361+/-0.229 χ^2/NDF:531651.8/26

Out: 1286.560+/-0.223 χ^2/NDF:415545.7/30

All: 1301.080+/-0.160 χ^2/NDF: 955876.2/57

asym_atl_dd_atr_dd_avg_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: -1220.374+/-1379.869 χ^2/NDF:5.5/10

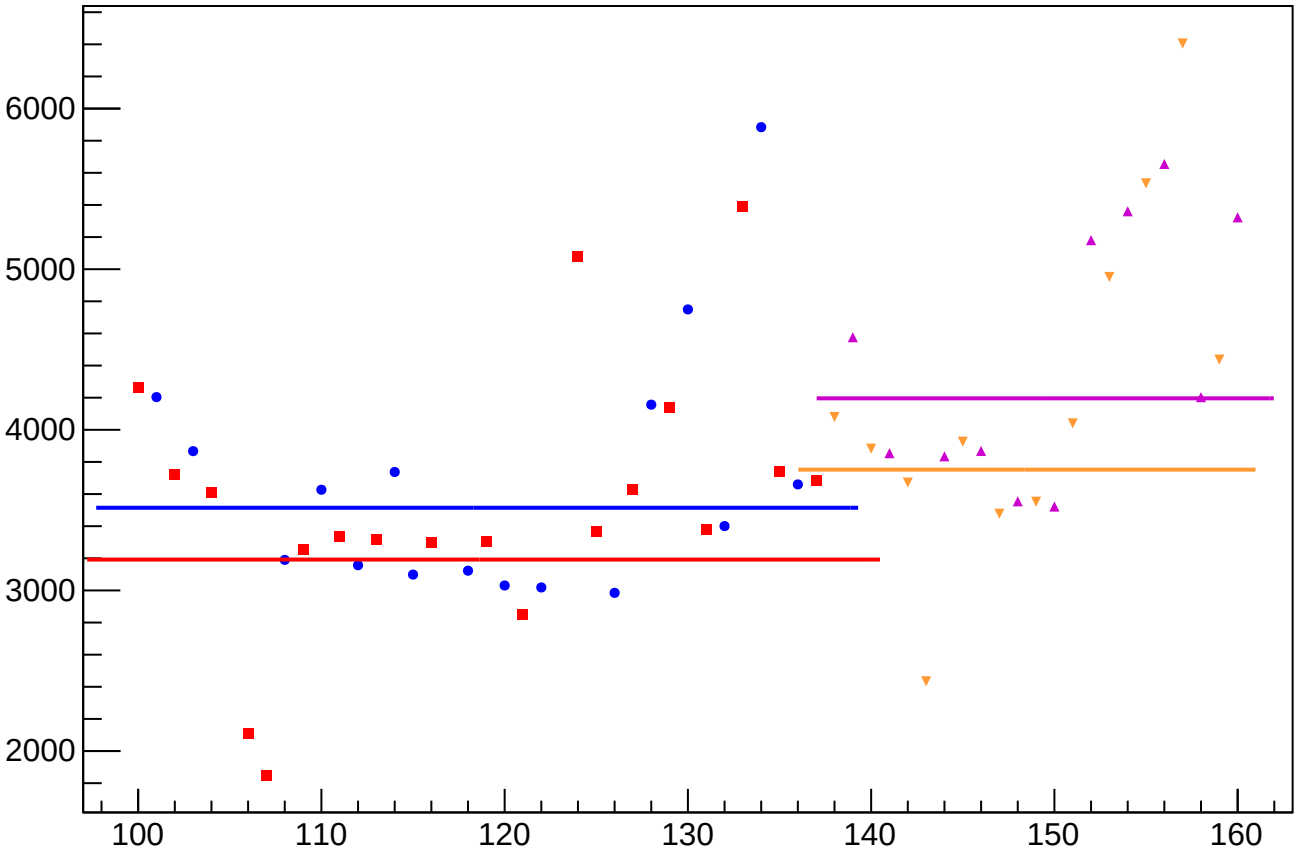
Left: -793.939+/-930.005 χ^2/NDF: 24.3/22

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -127.390+/-956.623 χ^2/NDF:20.8/26

Out: -198.161+/-868.606 χ^2/NDF:35.5/30

All: -166.180+/-643.068 χ^2/NDF: 56.4/57



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: 4196.024+/-0.976 χ^2/NDF:501534.8/10

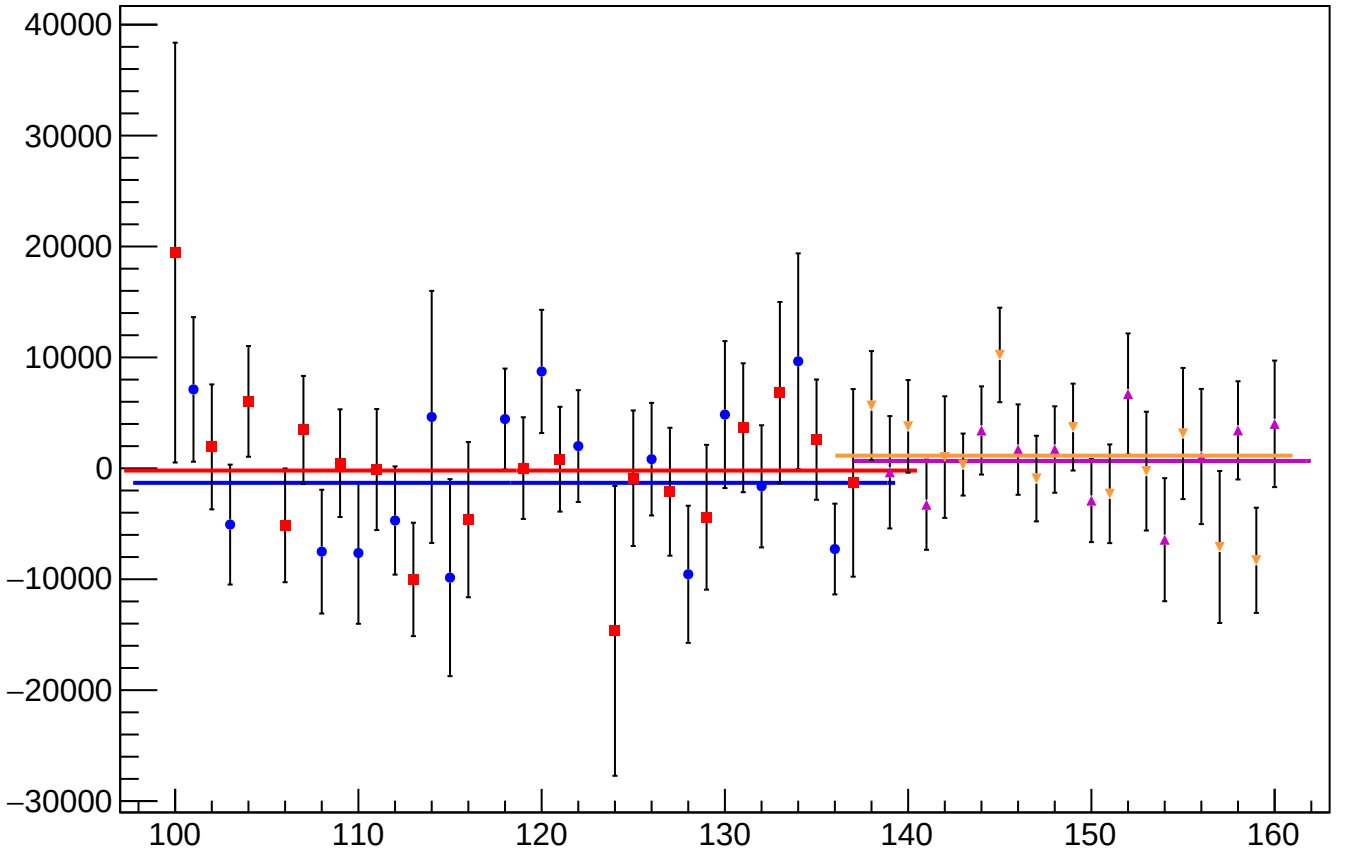
Left: 3953.714+/-0.658 χ^2/NDF: 1716278.7/22

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3842.180+/-0.676 χ^2/NDF:1129836.5/26

Out: 3458.715+/-0.614 χ^2/NDF:2081462.3/30

All: 3631.999+/-0.455 χ^2/NDF: 3387443.1/57



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: 659.186+/-1367.707 χ^2/NDF:6.1/10

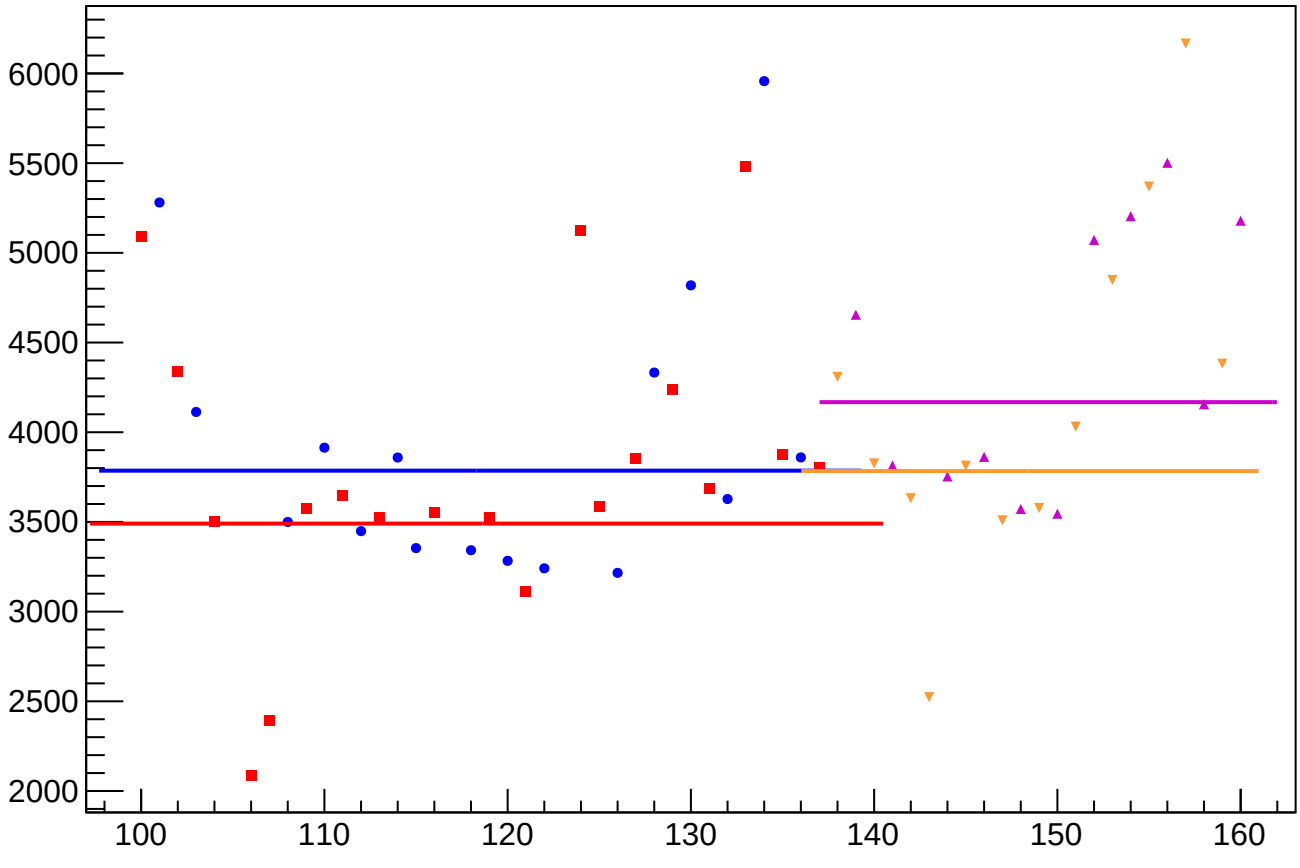
Left: 920.681+/-927.799 χ^2/NDF: 18.9/22

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -280.157+/-988.939 χ^2/NDF:24.7/26

Out: 508.902+/-917.733 χ^2/NDF:25.0/30

All: 143.799+/-672.701 χ^2/NDF: 49.9/57



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: 4167.729+/-0.967 χ^2/NDF:451630.3/10

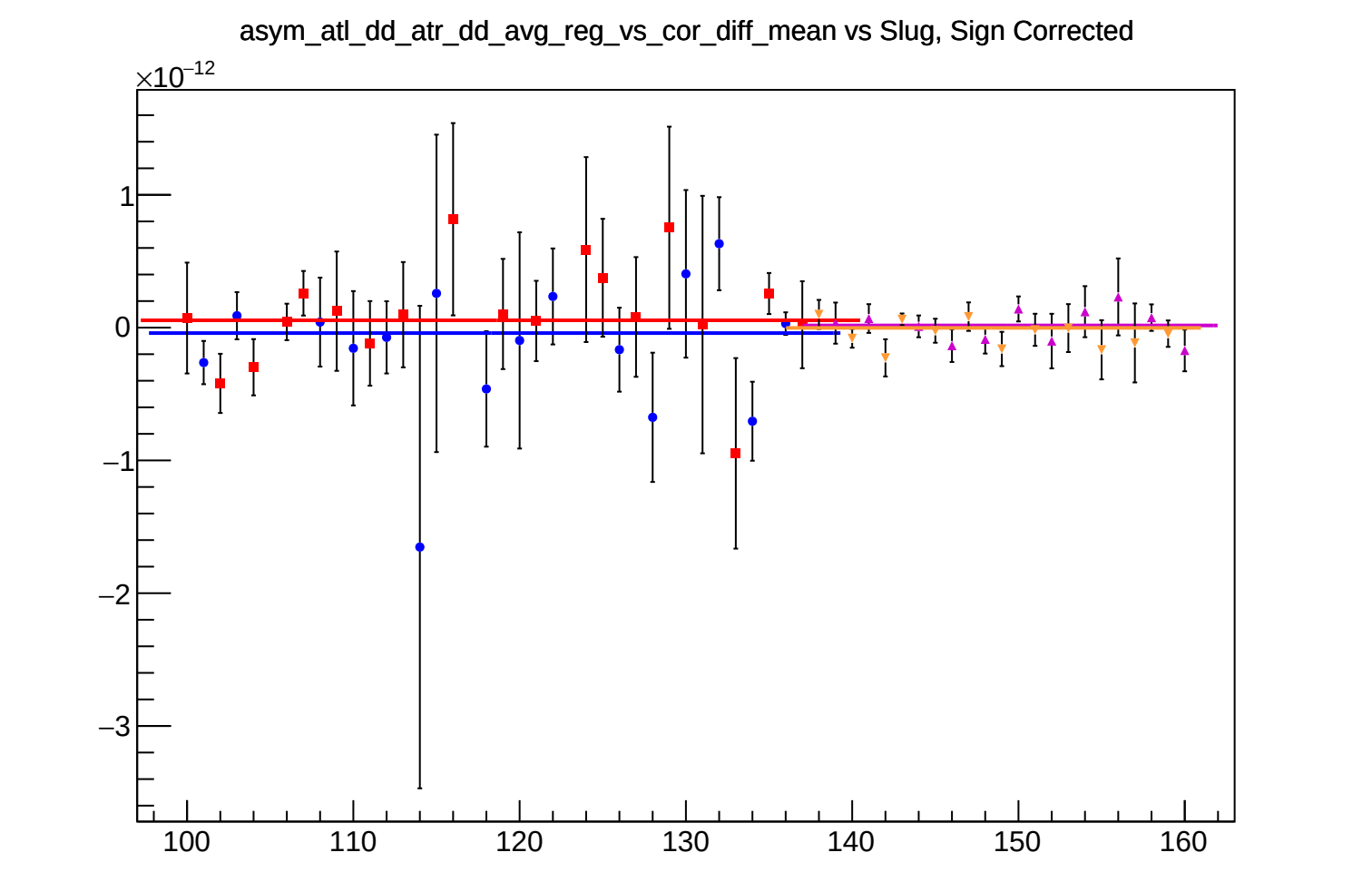
Left: 3960.304+/-0.656 χ^2/NDF: 1486966.2/22

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3985.466+/-0.699 χ^2/NDF:909054.4/26

Out: 3643.296+/-0.645 χ^2/NDF:1588331.5/30

All: 3800.512+/-0.474 χ^2/NDF: 2626806.0/57



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:7.4/10

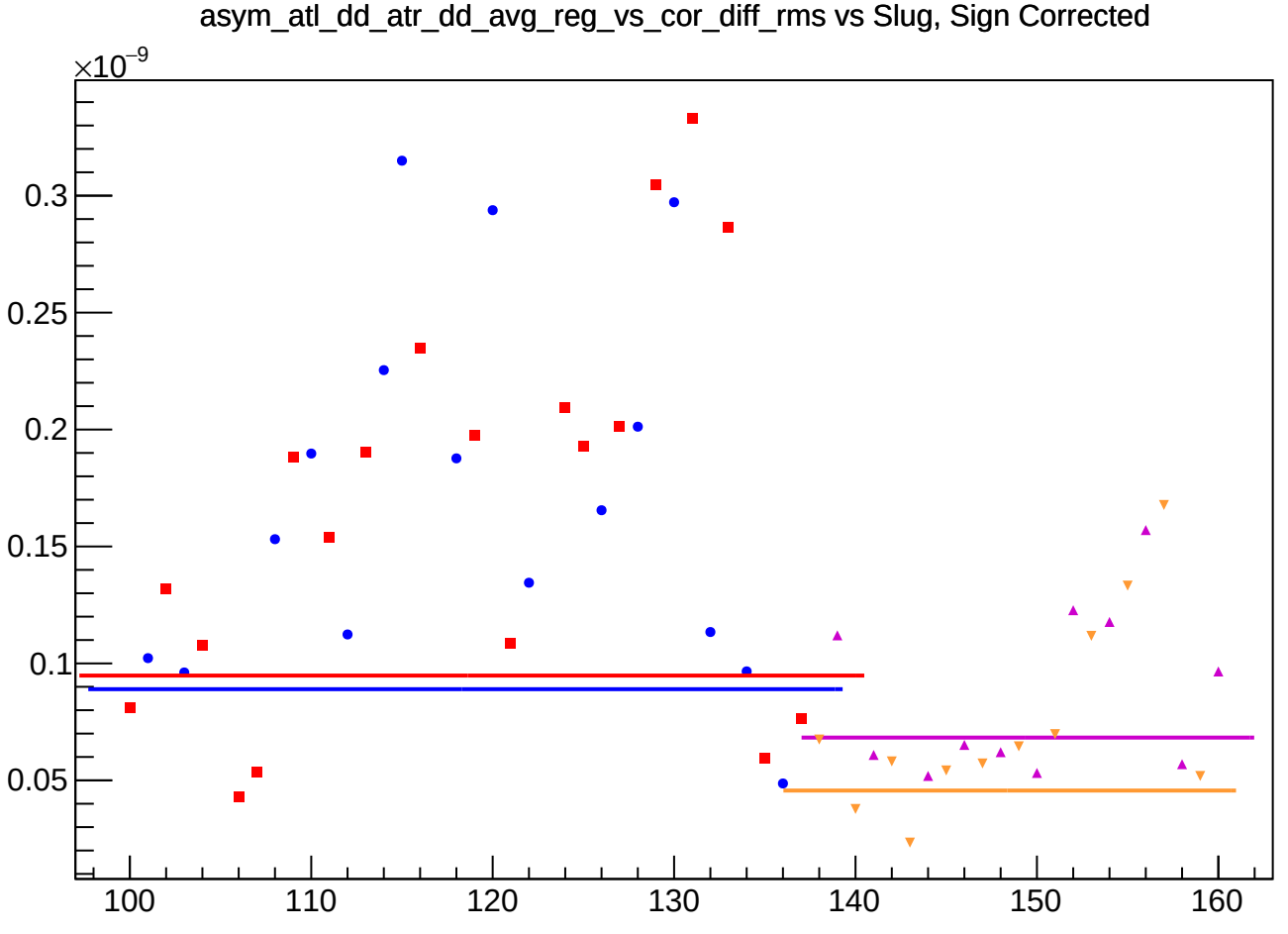
Left: 0.000+/-0.000 χ^2/NDF: 17.5/22

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: 0.000+/-0.000 χ^2/NDF:26.5/30

All: 0.000+/-0.000 χ^2/NDF: 51.2/57



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:859505.9/10

Left: 0.000+/-0.000 χ^2/NDF: 3071151.4/22

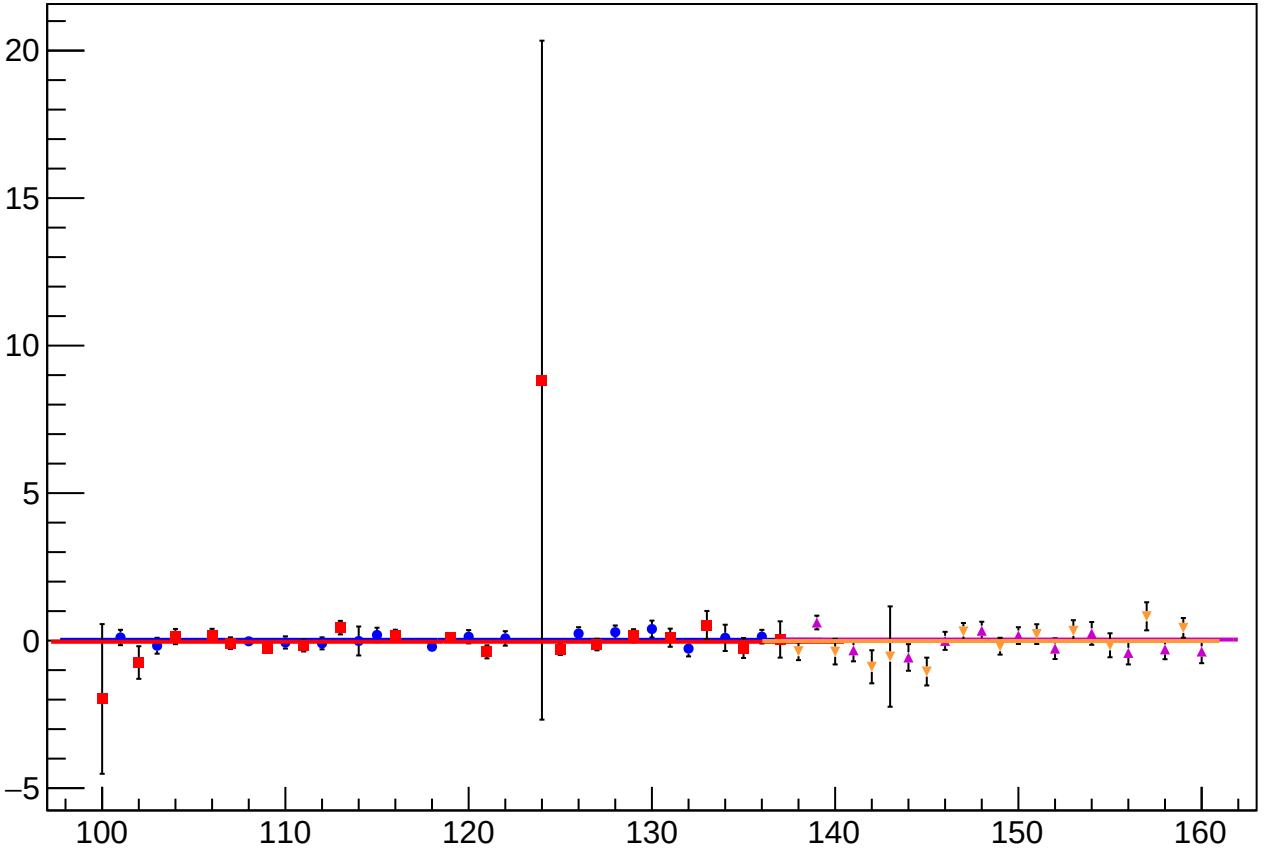
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2497841.8/26

Out: 0.000+/-0.000 χ^2/NDF:4454540.3/30

All: 0.000+/-0.000 χ^2/NDF: 7498963.5/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

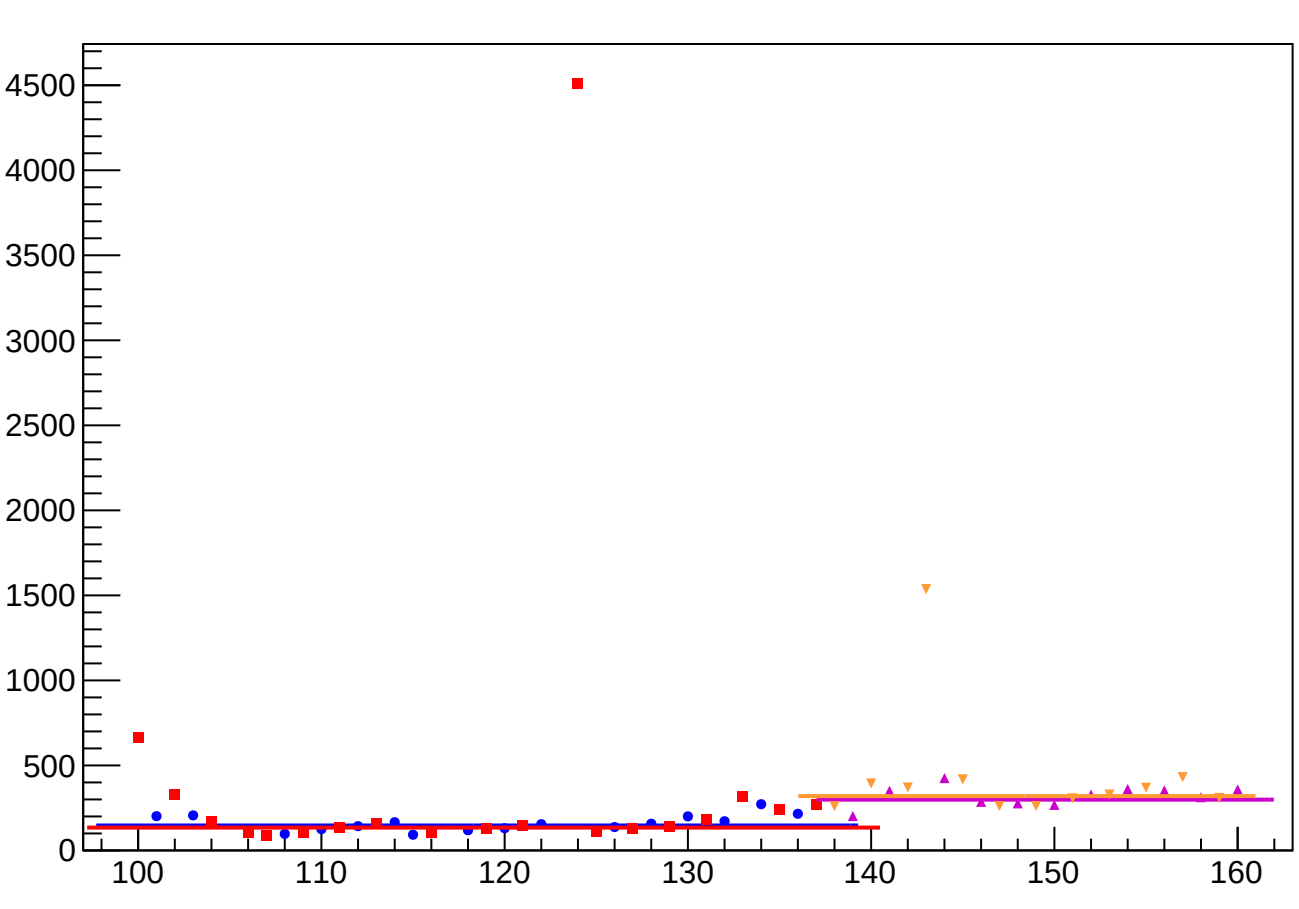
Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57



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: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 308.265+/-0.052 χ^2/NDF: 2346887.9/22

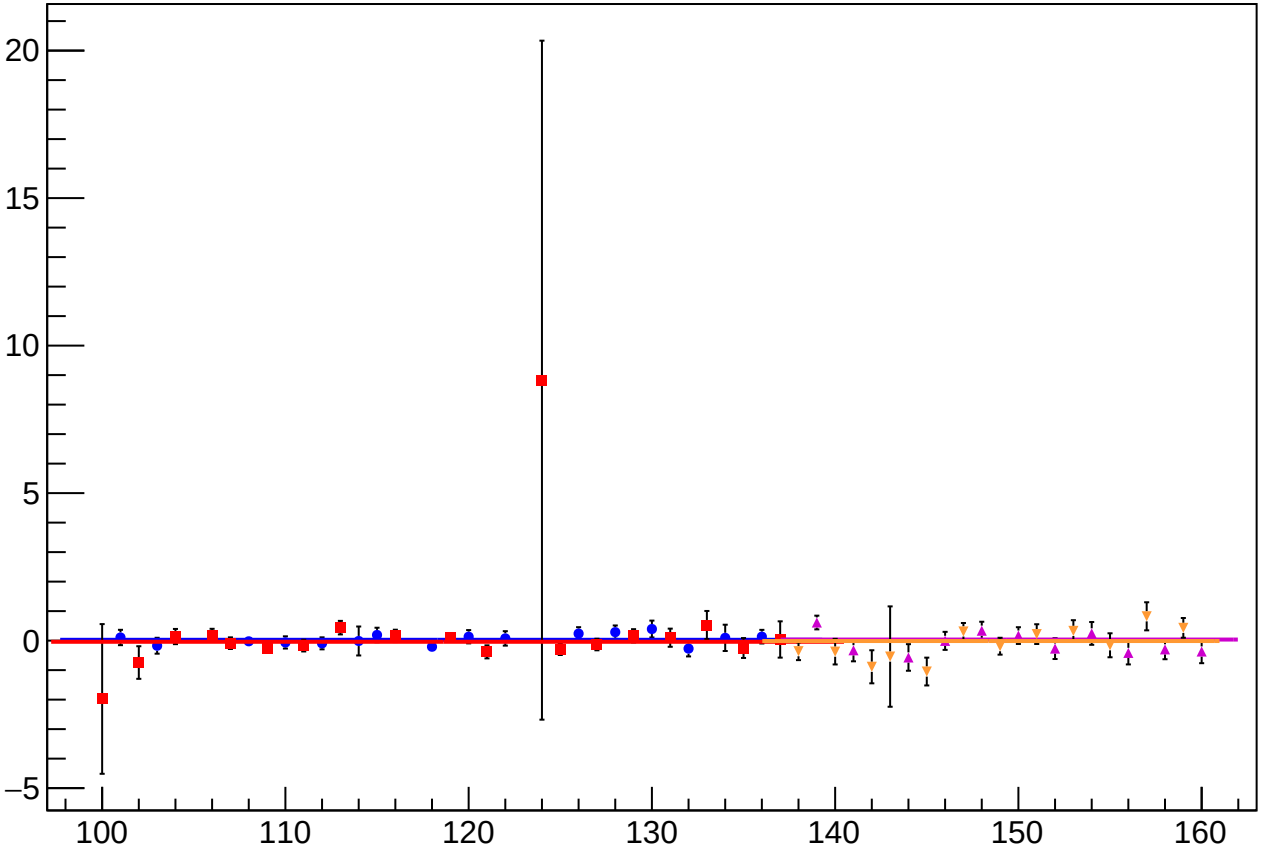
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

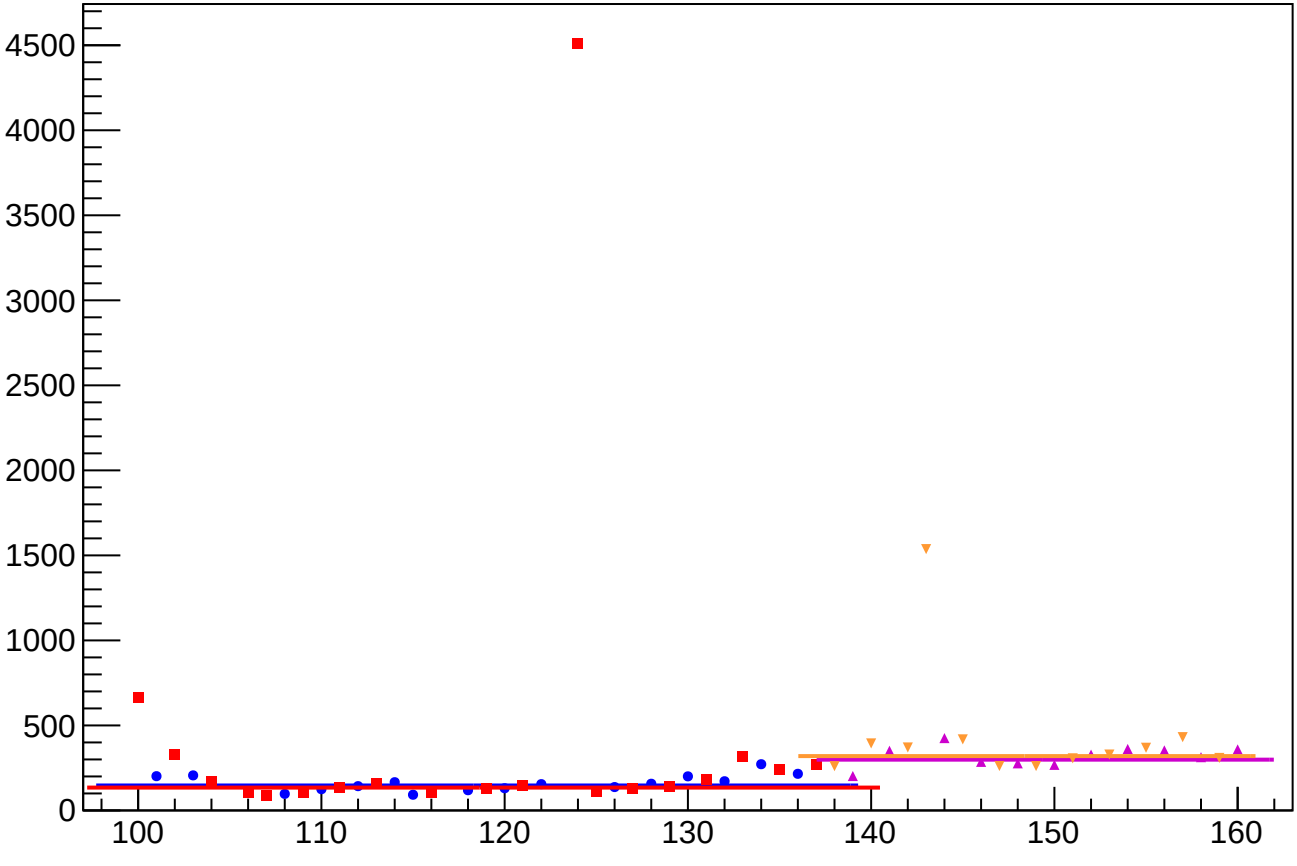
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 308.265+/-0.052 χ^2/NDF: 2346887.9/22

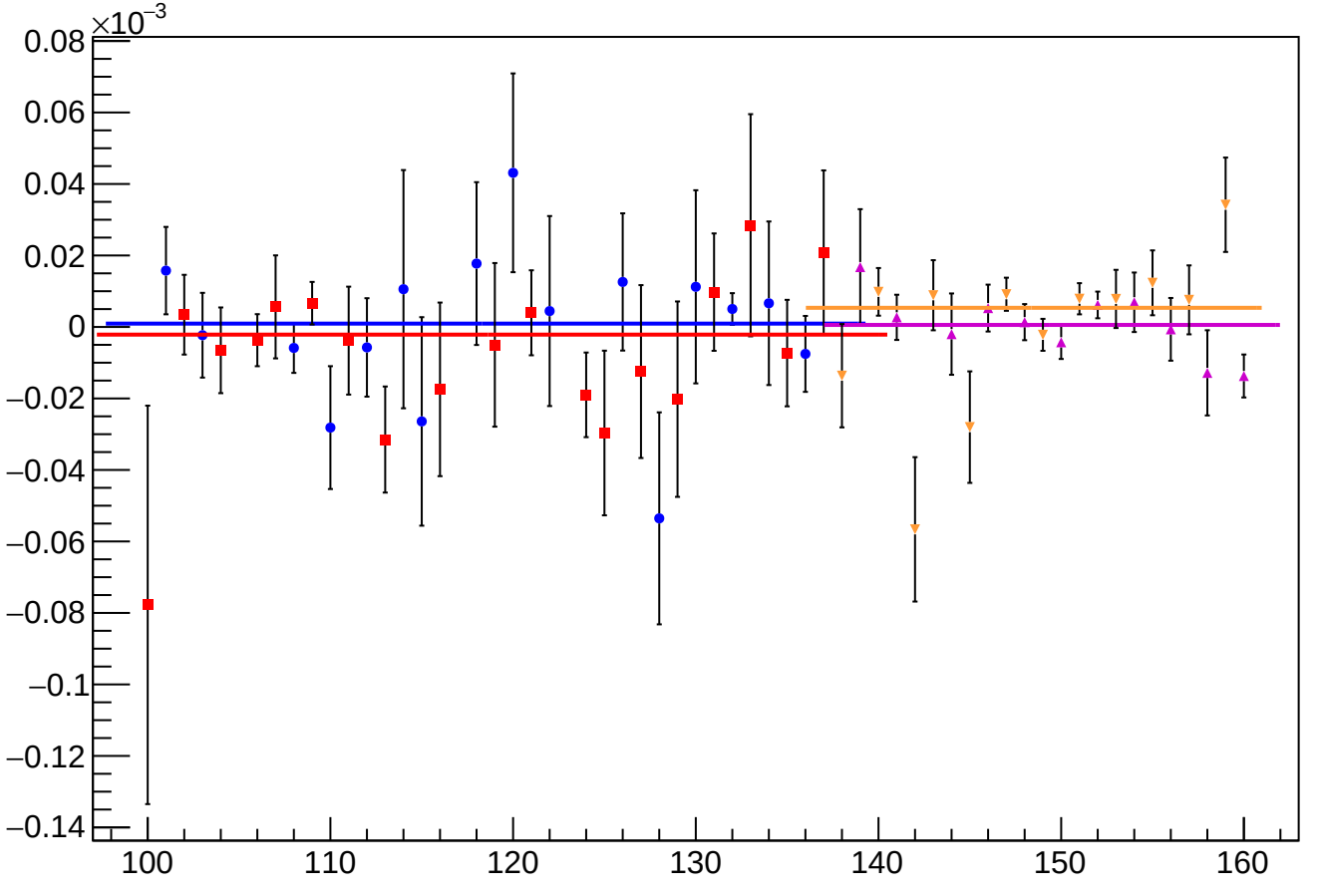
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

asym_atl_dd_atr_dd_avg_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:12.5/10

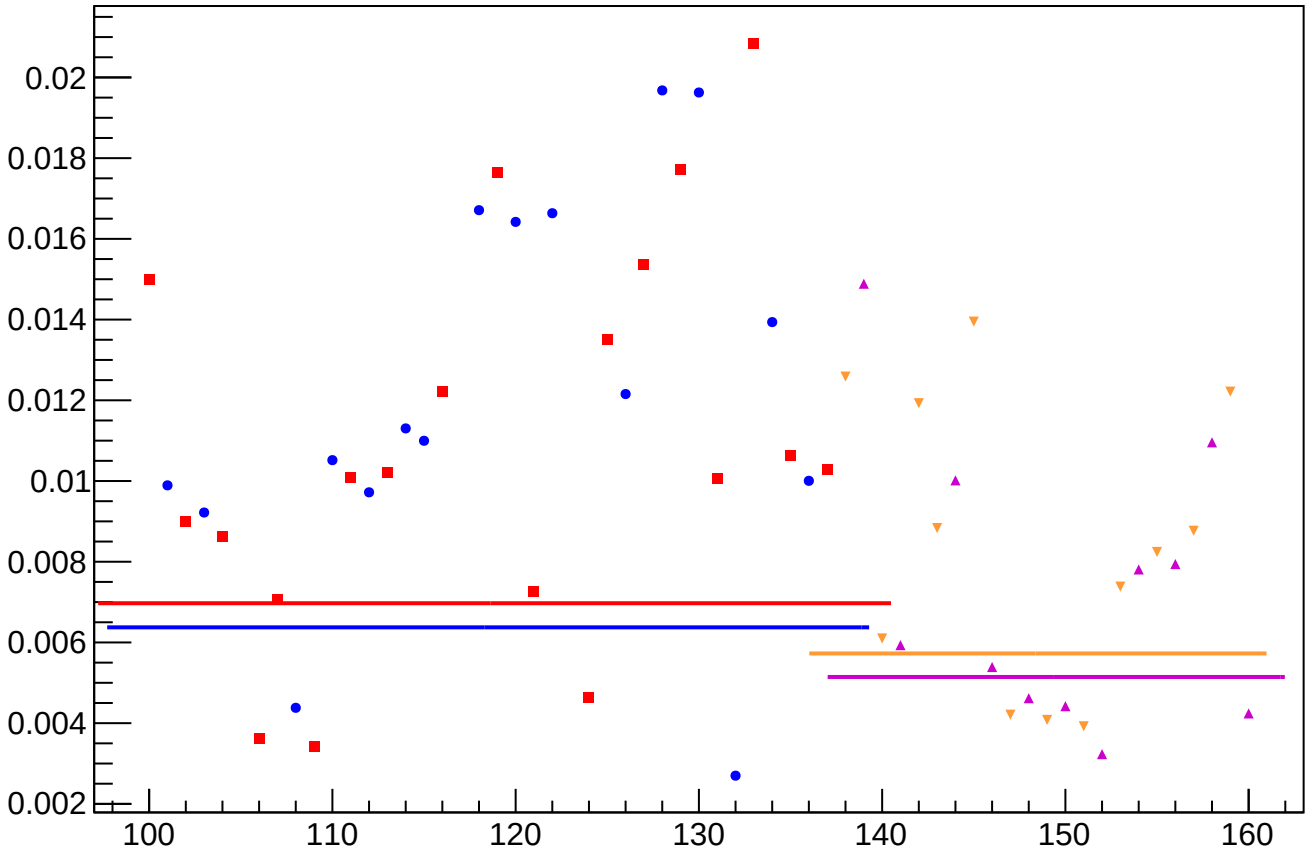
Left: 0.000+/-0.000 χ^2/NDF: 41.2/22

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: 0.000+/-0.000 χ^2/NDF:46.0/30

All: 0.000+/-0.000 χ^2/NDF: 74.4/57



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:2648124.2/10

Left: 0.005+/-0.000 χ^2/NDF: 5883844.7/22

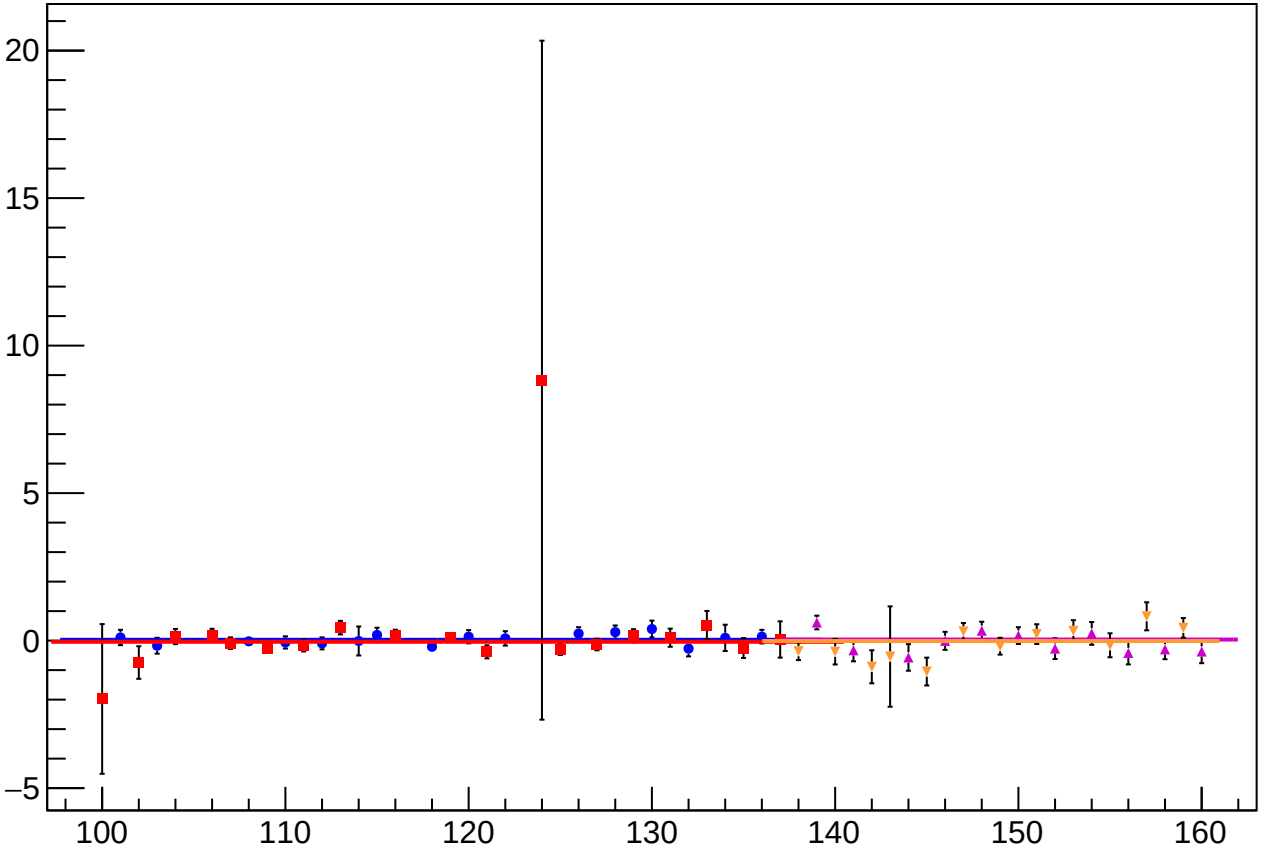
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7536661.1/26

Out: 0.006+/-0.000 χ^2/NDF:6791864.3/30

All: 0.006+/-0.000 χ^2/NDF: 14467851.6/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

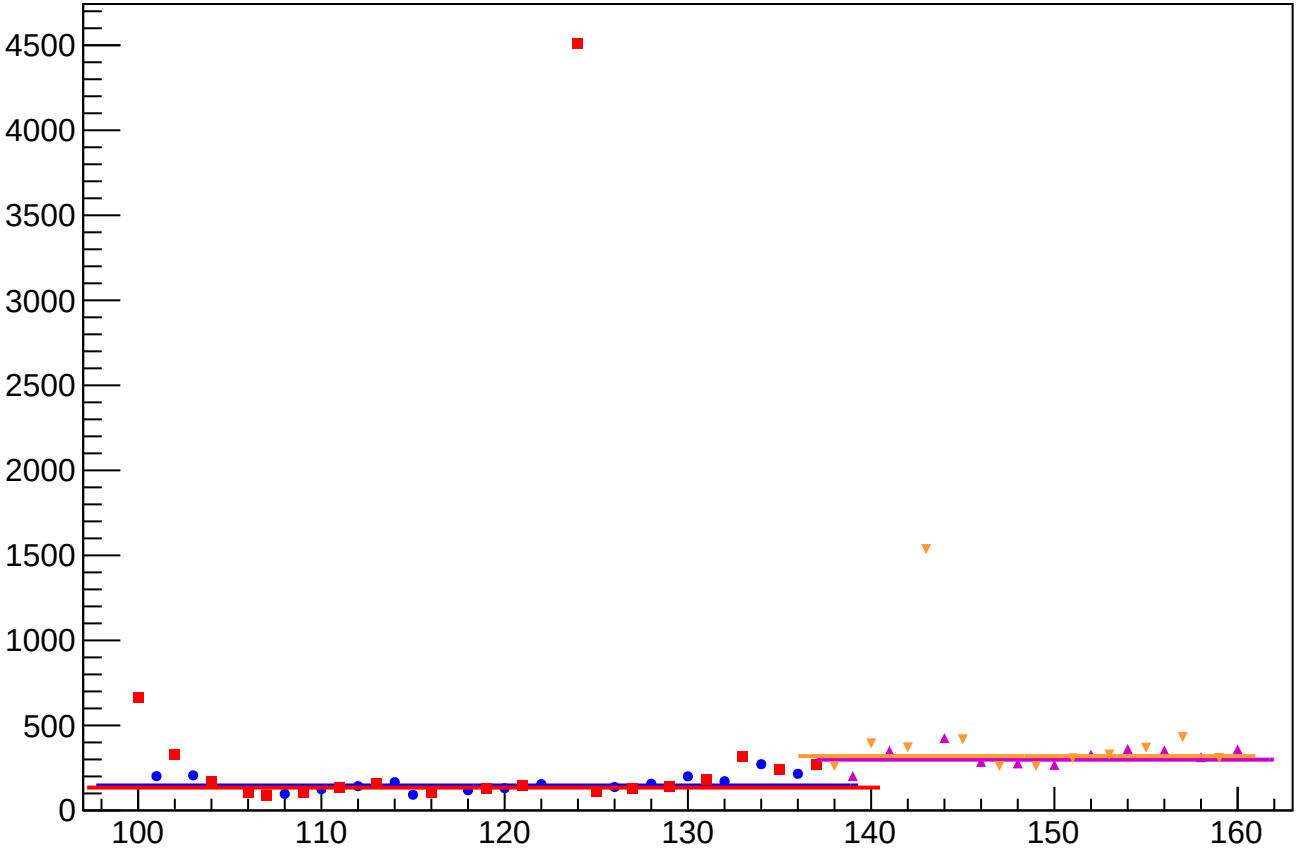
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 308.269+/-0.052 χ^2/NDF: 2346867.5/22

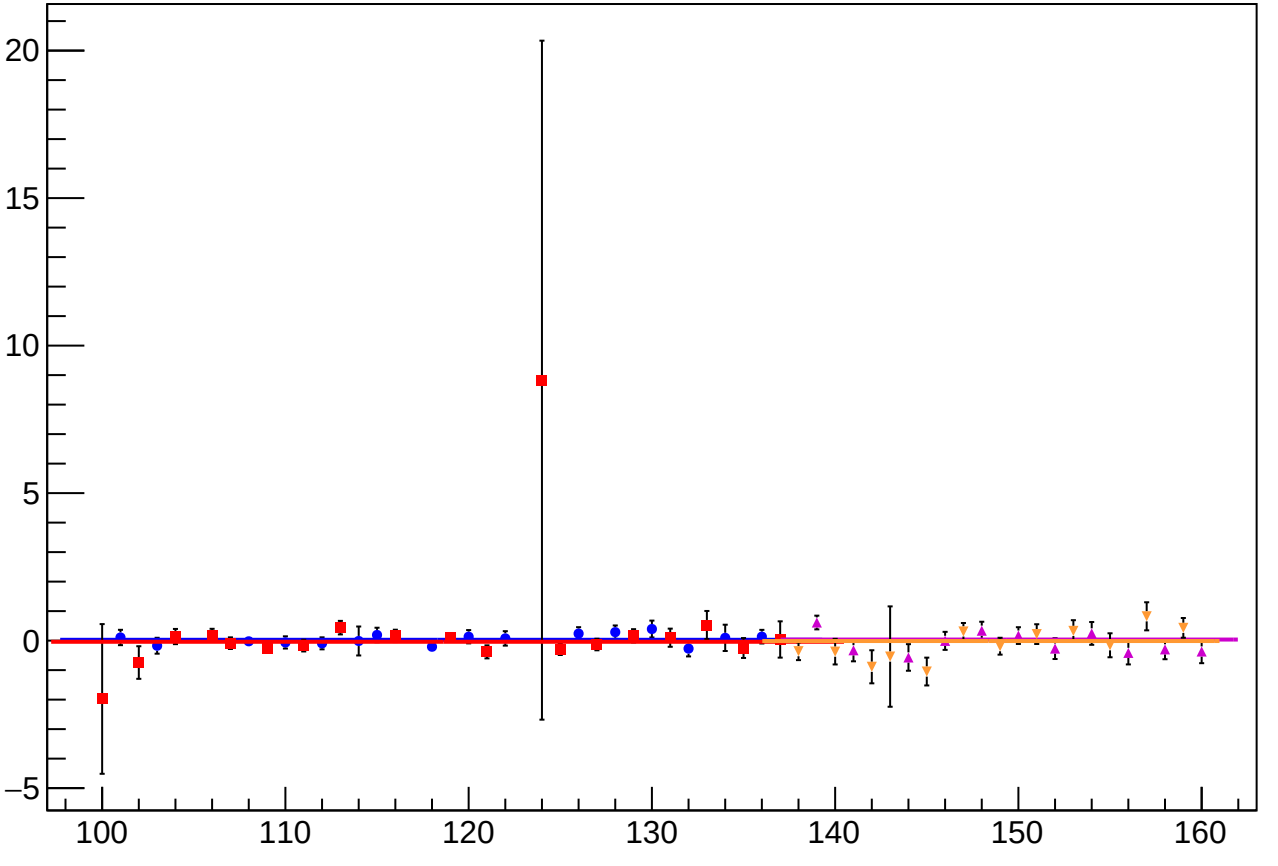
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

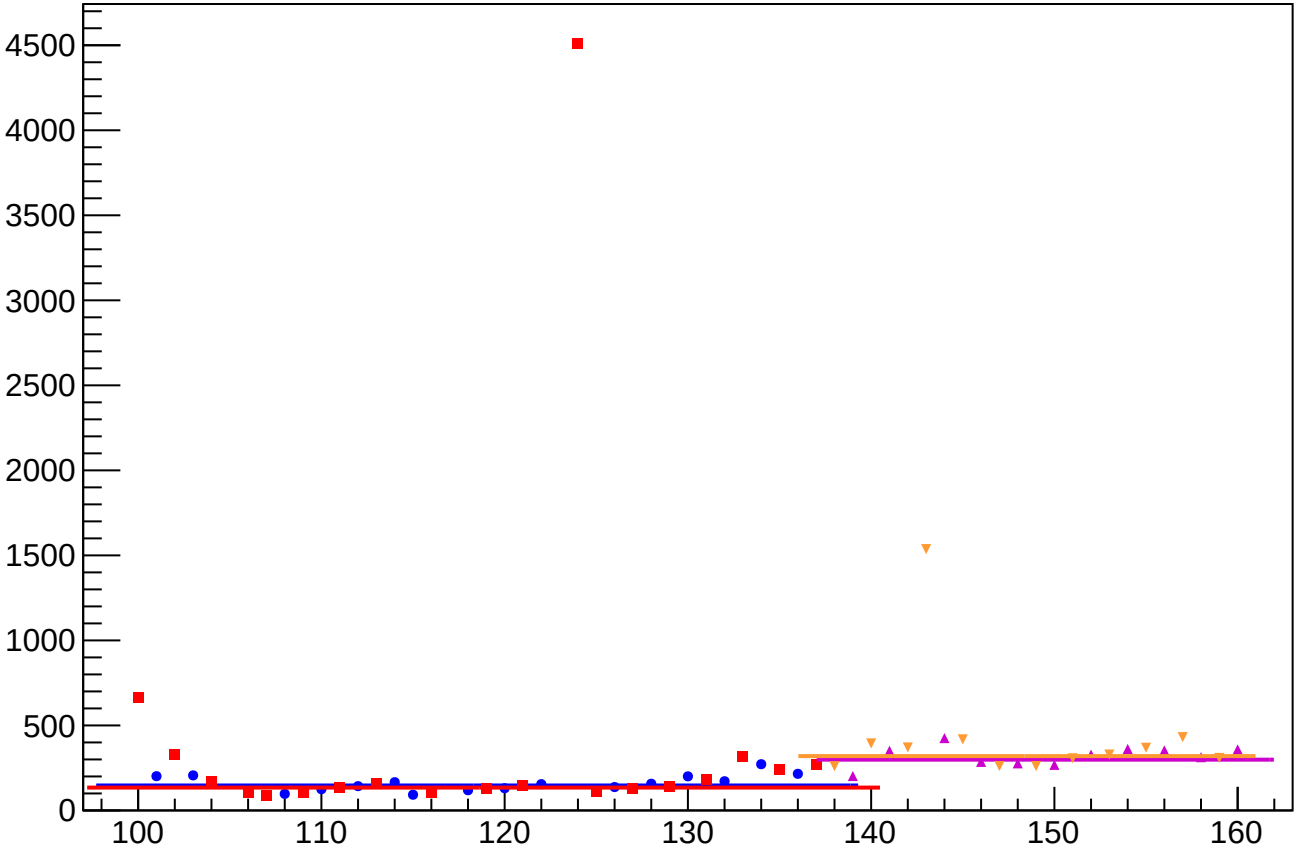
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.748+/-0.070 χ^2/NDF:732753.4/10

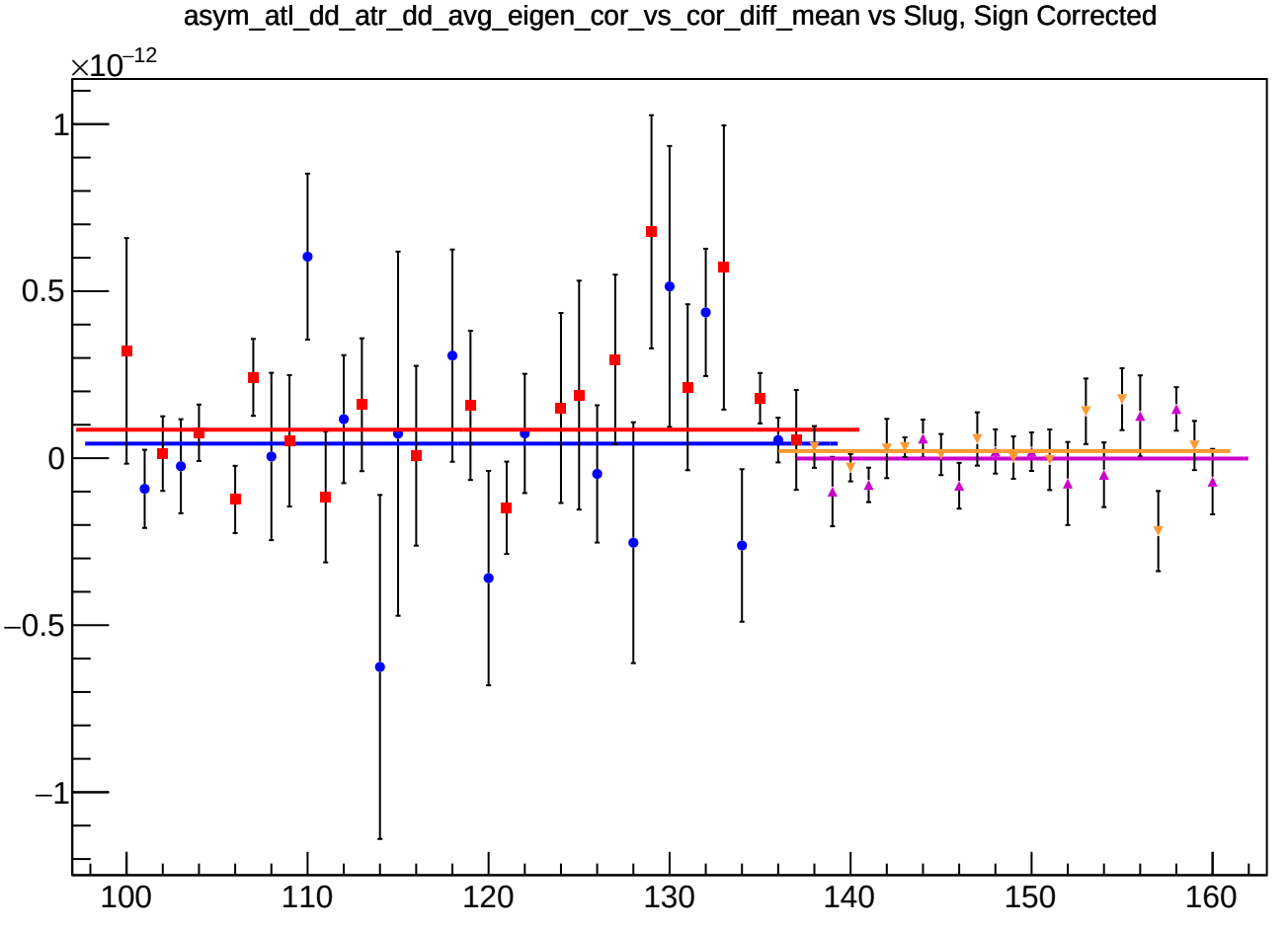
Left: 308.269+/-0.052 χ^2/NDF: 2346867.5/22

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57



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:13.4/10

Left: 0.000+/-0.000 χ^2/NDF: 24.5/22

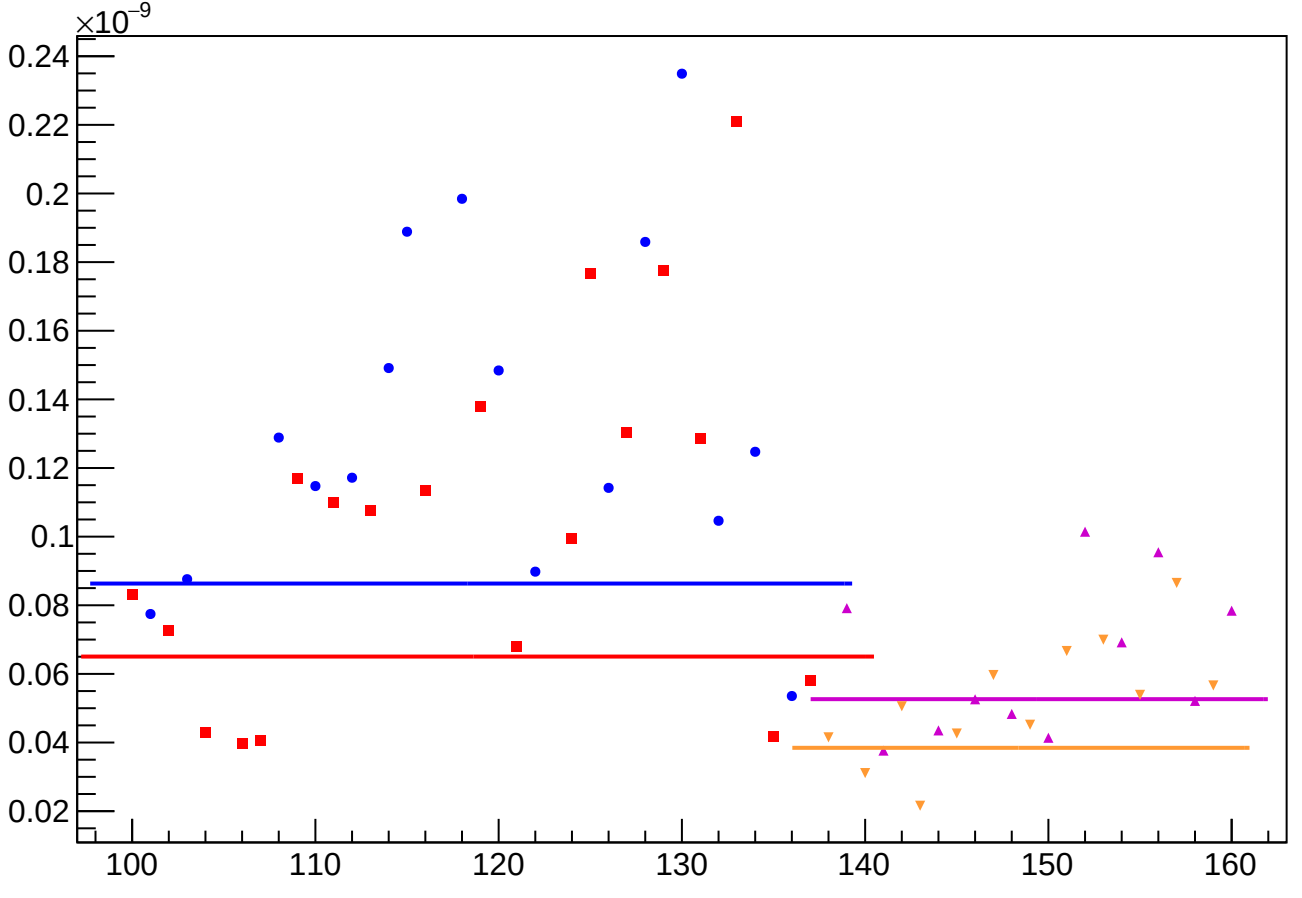
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:31.4/30

All: 0.000+/-0.000 χ^2/NDF: 65.8/57

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825264.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

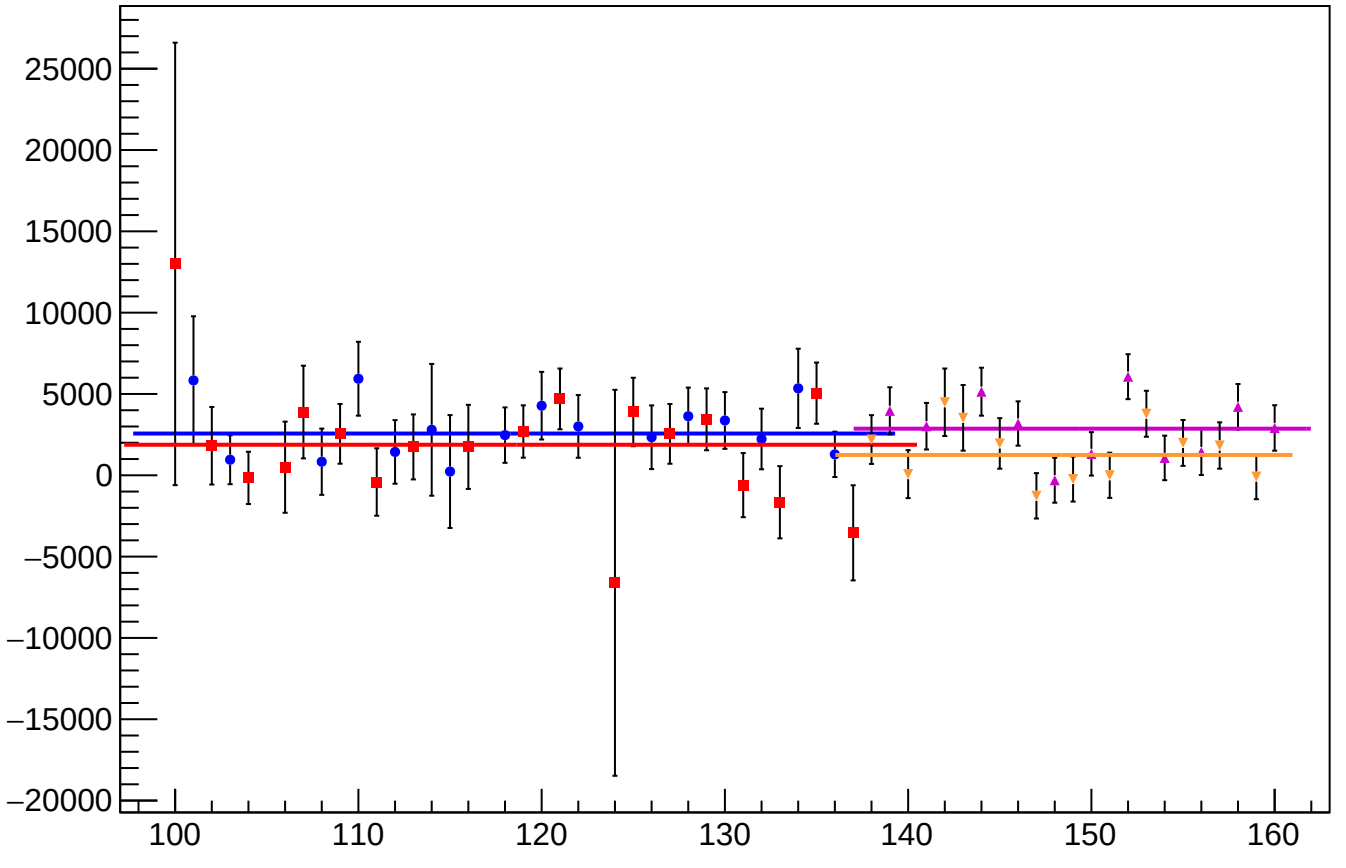
Left: 0.000+/-0.000 χ^2/NDF: 3536384.9/22

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3741570.3/26

Out: 0.000+/-0.000 χ^2/NDF:4947923.5/30

All: 0.000+/-0.000 χ^2/NDF: 9501466.3/57



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: 2866.009+/-421.720 χ^2/NDF:18.6/10

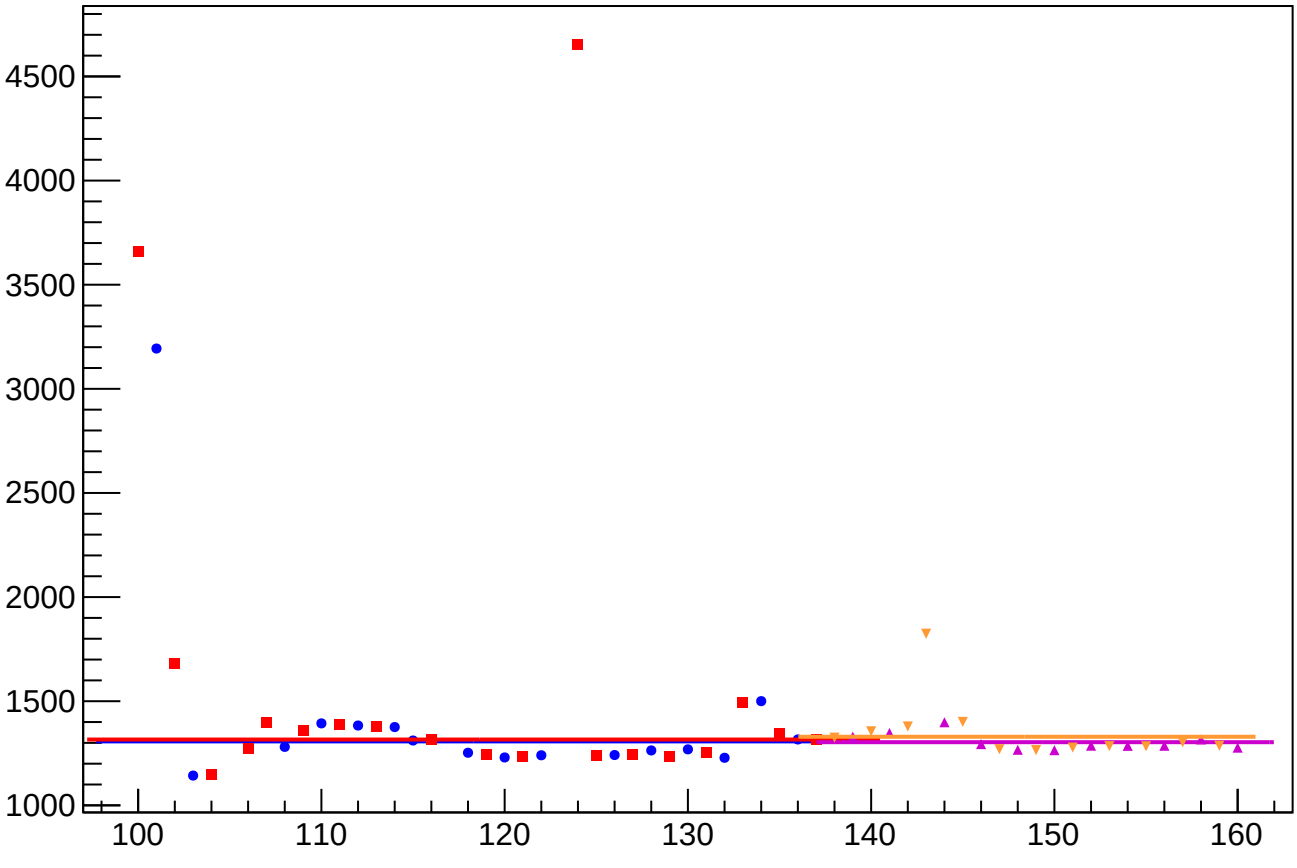
Left: 2078.066+/-301.719 χ^2/NDF: 40.5/22

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2740.555+/-321.114 χ^2/NDF:27.9/26

Out: 1522.625+/-325.336 χ^2/NDF:35.2/30

All: 2139.545+/-228.540 χ^2/NDF: 70.2/57



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: 1303.251+/-0.298 χ^2/NDF:15935.5/10

Left: 1315.997+/-0.213 χ^2/NDF: 163264.6/22

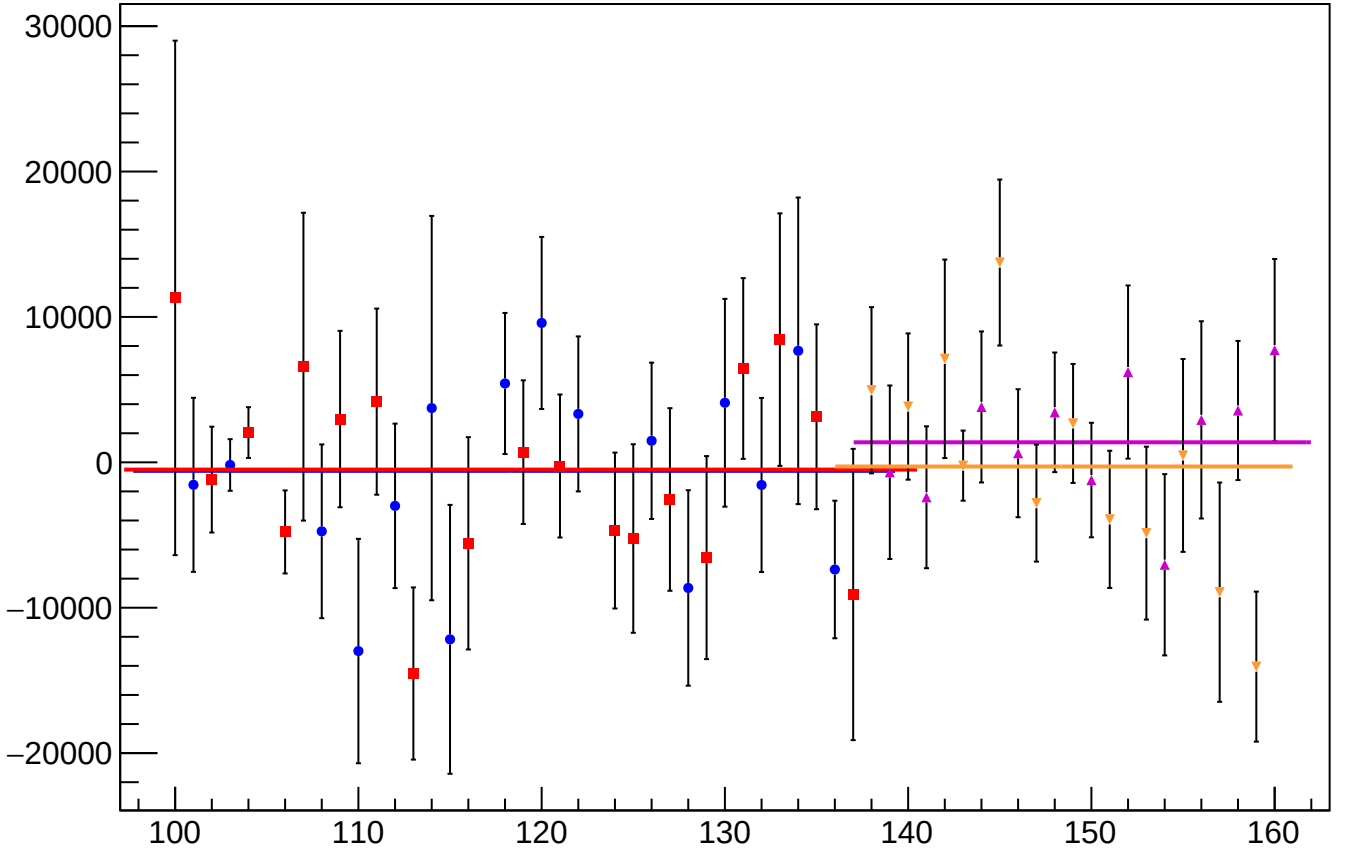
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1304.855+/-0.227 χ^2/NDF:532253.4/26

Out: 1323.565+/-0.230 χ^2/NDF:470837.4/30

All: 1314.099+/-0.162 χ^2/NDF: 1006445.3/57

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: 1377.065+/-1530.143 χ^2/NDF:5.4/10

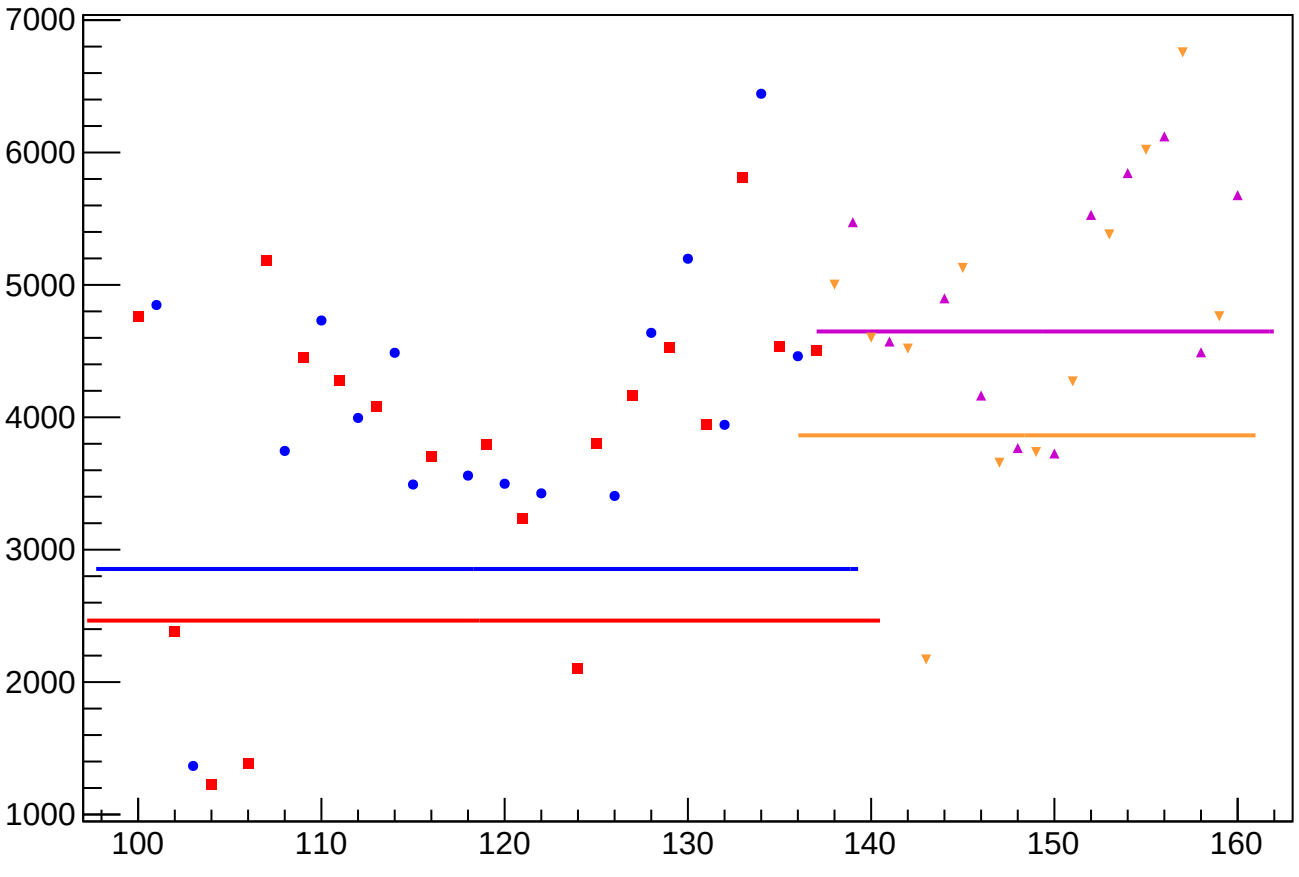
Left: 428.102+/-1003.010 χ^2/NDF: 25.4/22

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 158.673+/-940.768 χ^2/NDF:21.2/26

Out: -417.559+/-826.301 χ^2/NDF:37.0/30

All: -166.614+/-620.831 χ^2/NDF: 58.4/57



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: 4648.208+/-1.082 χ^2/NDF:536519.9/10

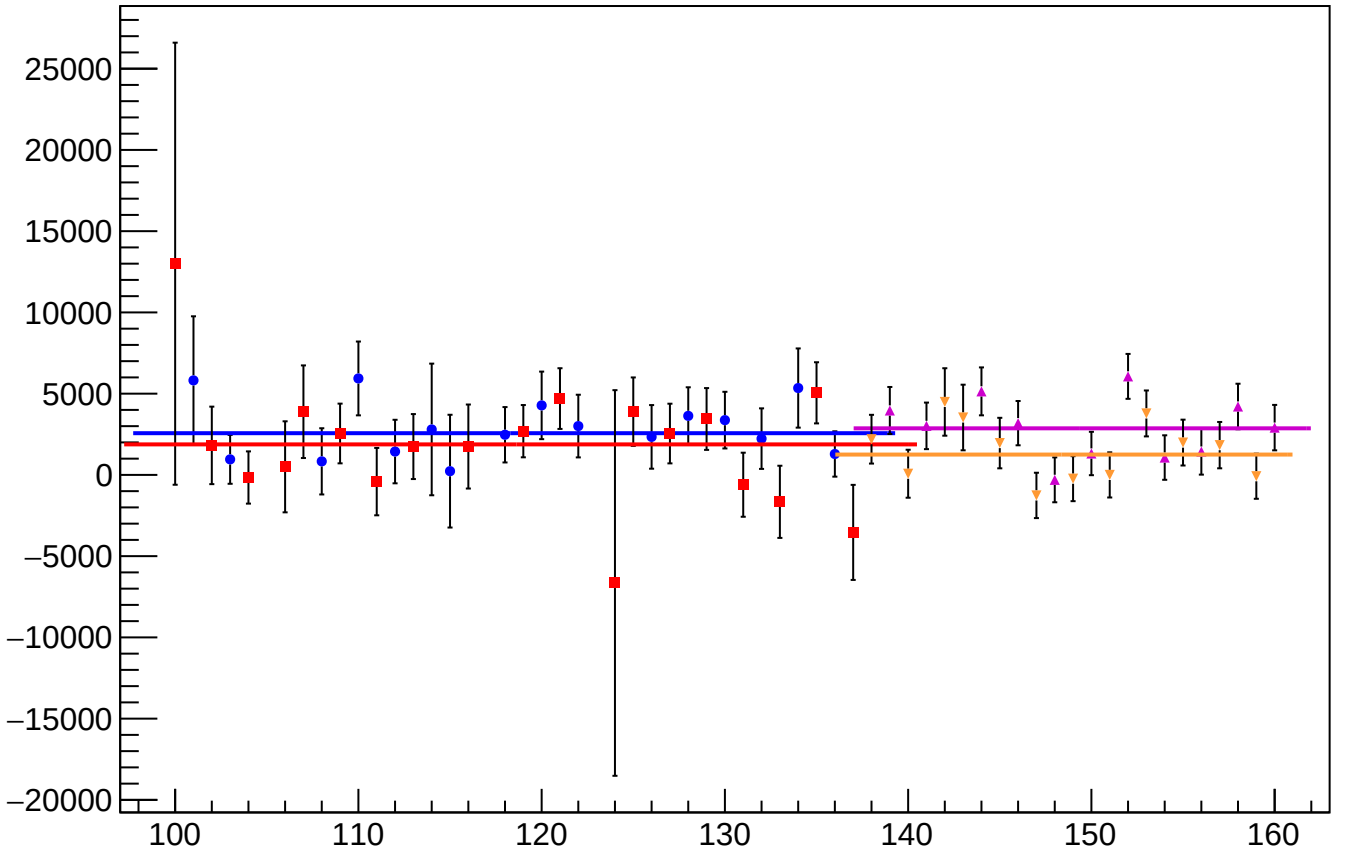
Left: 4200.878+/-0.709 χ^2/NDF: 2780429.7/22

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3532.412+/-0.665 χ^2/NDF:5151165.6/26

Out: 3006.198+/-0.584 χ^2/NDF:6660806.9/30

All: 3235.360+/-0.439 χ^2/NDF: 12165203.0/5



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: 2866.098+/-421.720 χ^2/NDF:18.6/10

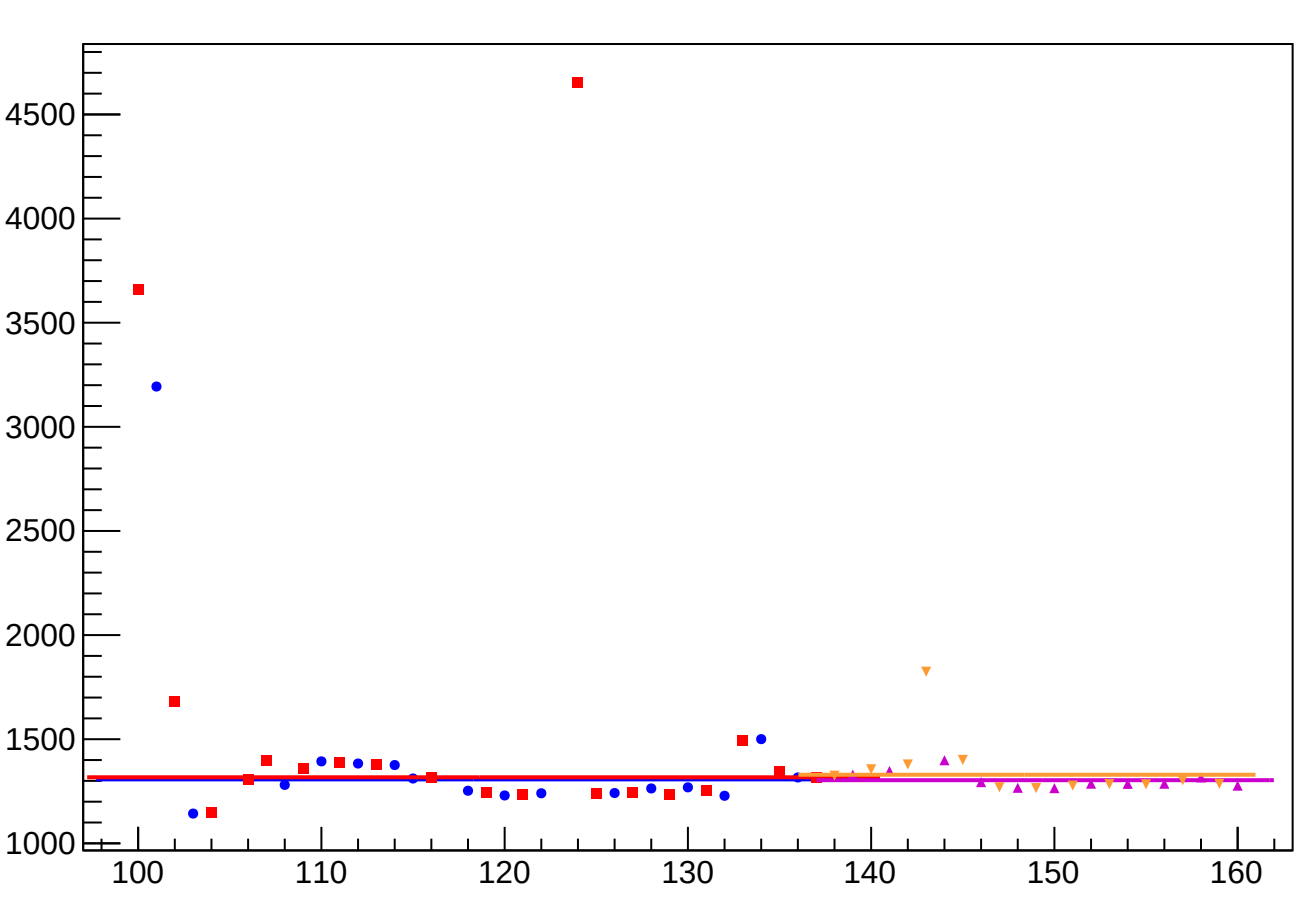
Left: 2078.080+/-301.719 χ^2/NDF: 40.5/22

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2740.489+/-321.114 χ^2/NDF:27.9/26

Out: 1522.477+/-325.336 χ^2/NDF:35.2/30

All: 2139.439+/-228.540 χ^2/NDF: 70.2/57



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: 1303.251+/-0.298 χ^2/NDF:15935.5/10

Left: 1315.997+/-0.213 χ^2/NDF: 163264.5/22

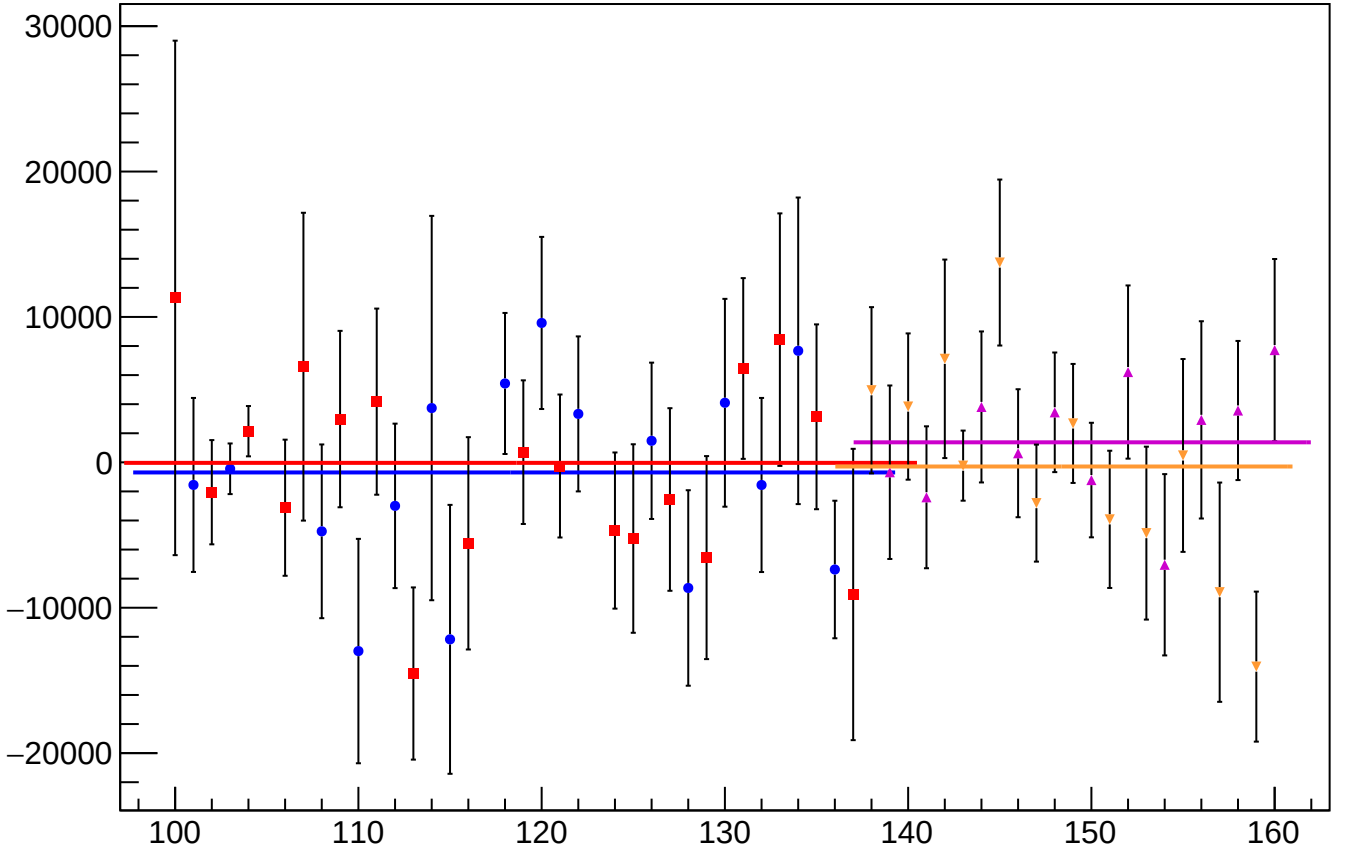
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1304.855+/-0.227 χ^2/NDF:532254.9/26

Out: 1324.060+/-0.230 χ^2/NDF:470209.1/30

All: 1314.340+/-0.162 χ^2/NDF: 1005997.0/57

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: 1377.147+/-1530.143 χ^2/NDF:5.4/10

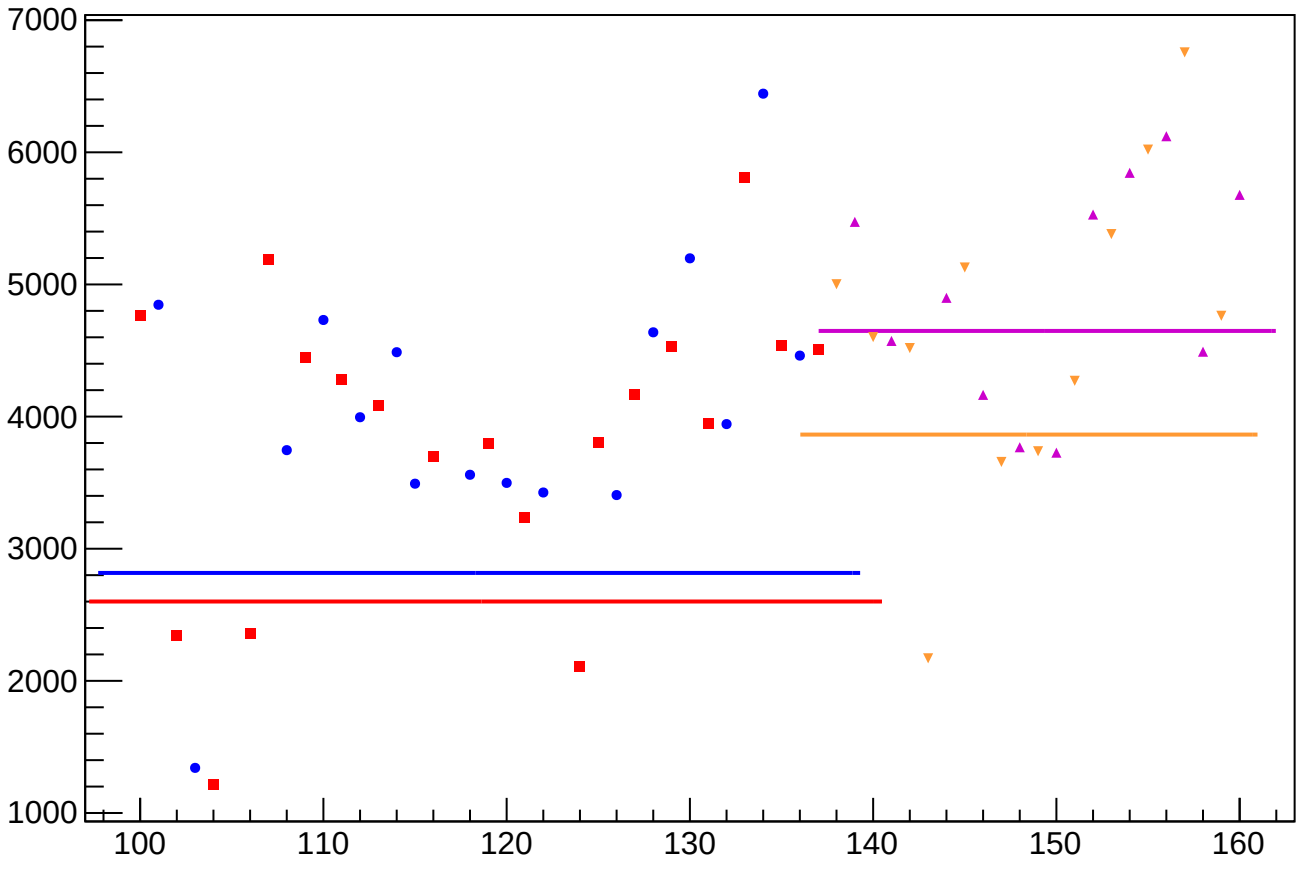
Left: 428.110+/-1003.008 χ^2/NDF: 25.4/22

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 79.594+/-935.627 χ^2/NDF:21.3/26

Out: -137.951+/-846.348 χ^2/NDF:35.2/30

All: -40.050+/-627.655 χ^2/NDF: 56.5/57



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: 4648.207+/-1.082 χ^2/NDF:536526.4/10

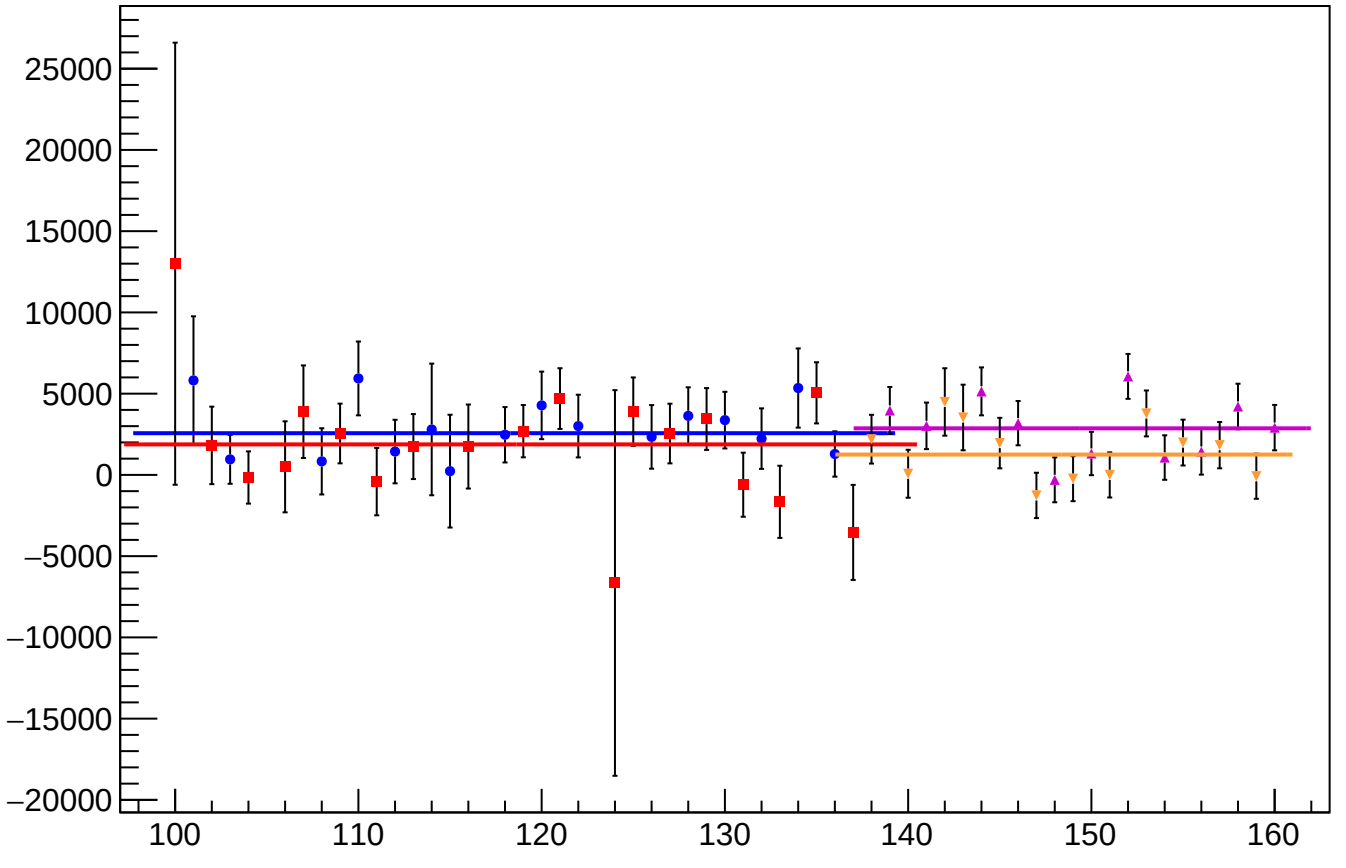
Left: 4200.863+/-0.709 χ^2/NDF: 2780517.3/22

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3501.531+/-0.662 χ^2/NDF:5337987.3/26

Out: 3113.525+/-0.598 χ^2/NDF:6099736.9/30

All: 3288.137+/-0.444 χ^2/NDF: 11626890.6/5



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: 2866.098+/-421.720 χ^2/NDF:18.6/10

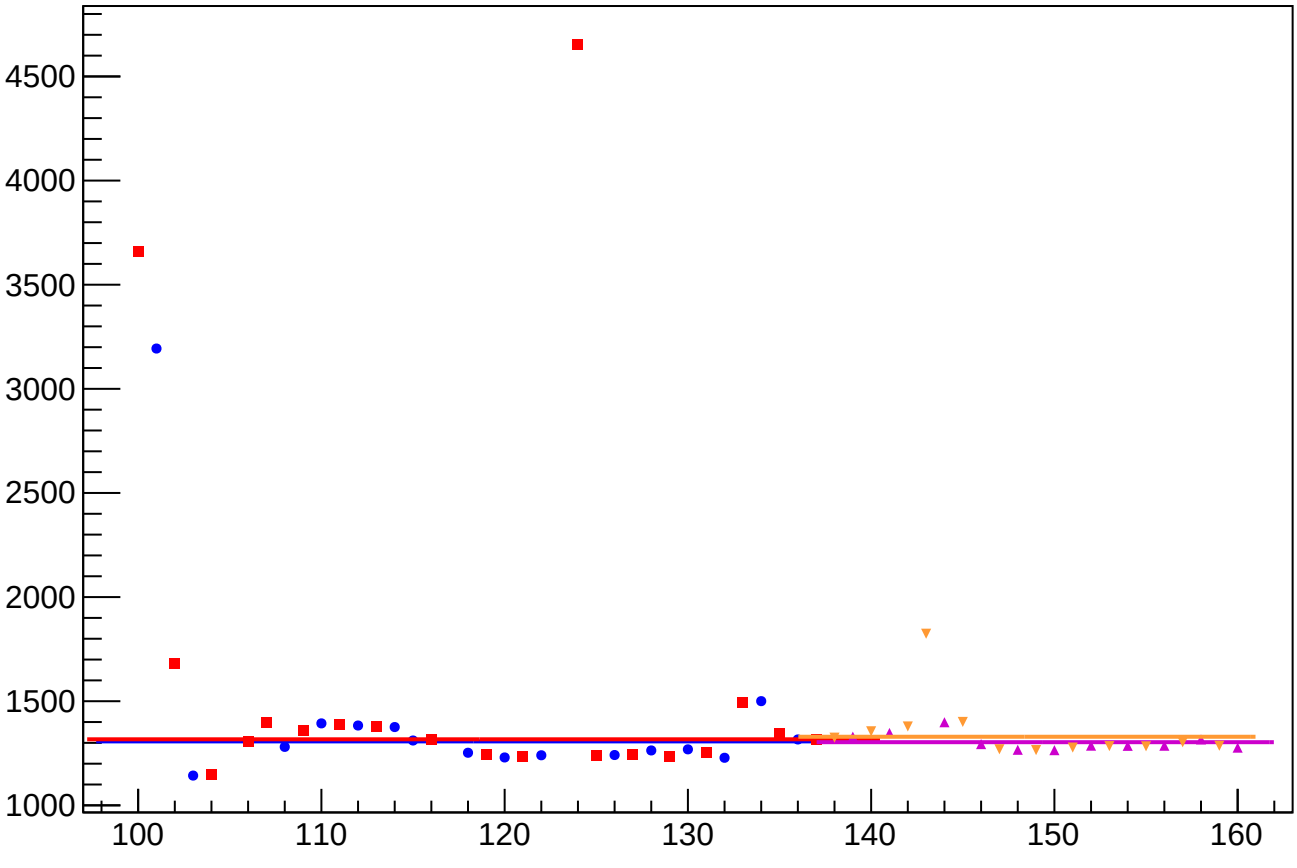
Left: 2078.080+/-301.719 χ^2/NDF: 40.5/22

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2740.489+/-321.114 χ^2/NDF:27.9/26

Out: 1522.477+/-325.336 χ^2/NDF:35.2/30

All: 2139.439+/-228.540 χ^2/NDF: 70.2/57



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: 1303.251+/-0.298 χ^2/NDF:15935.5/10

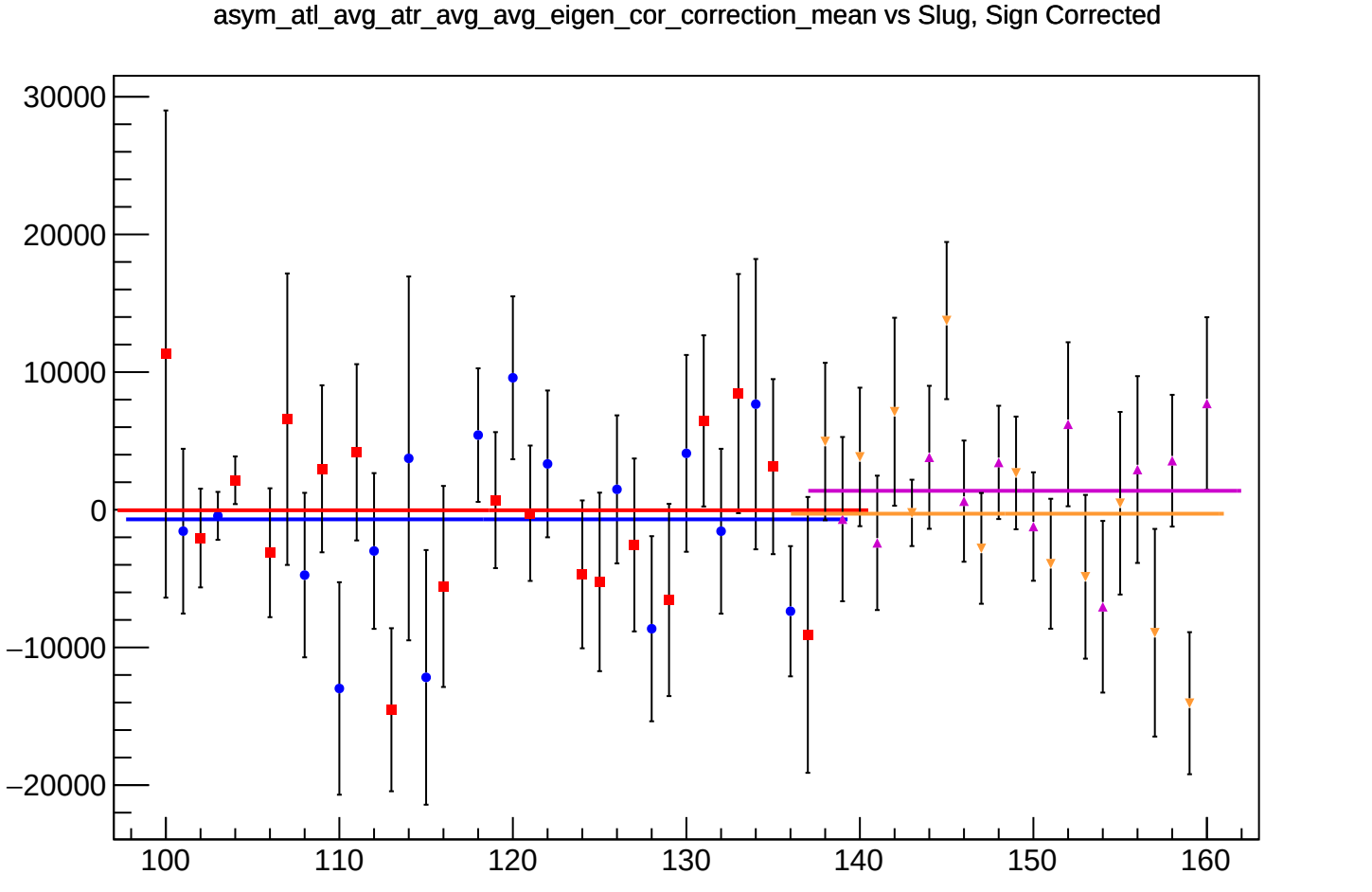
Left: 1315.997+/-0.213 χ^2/NDF: 163264.5/22

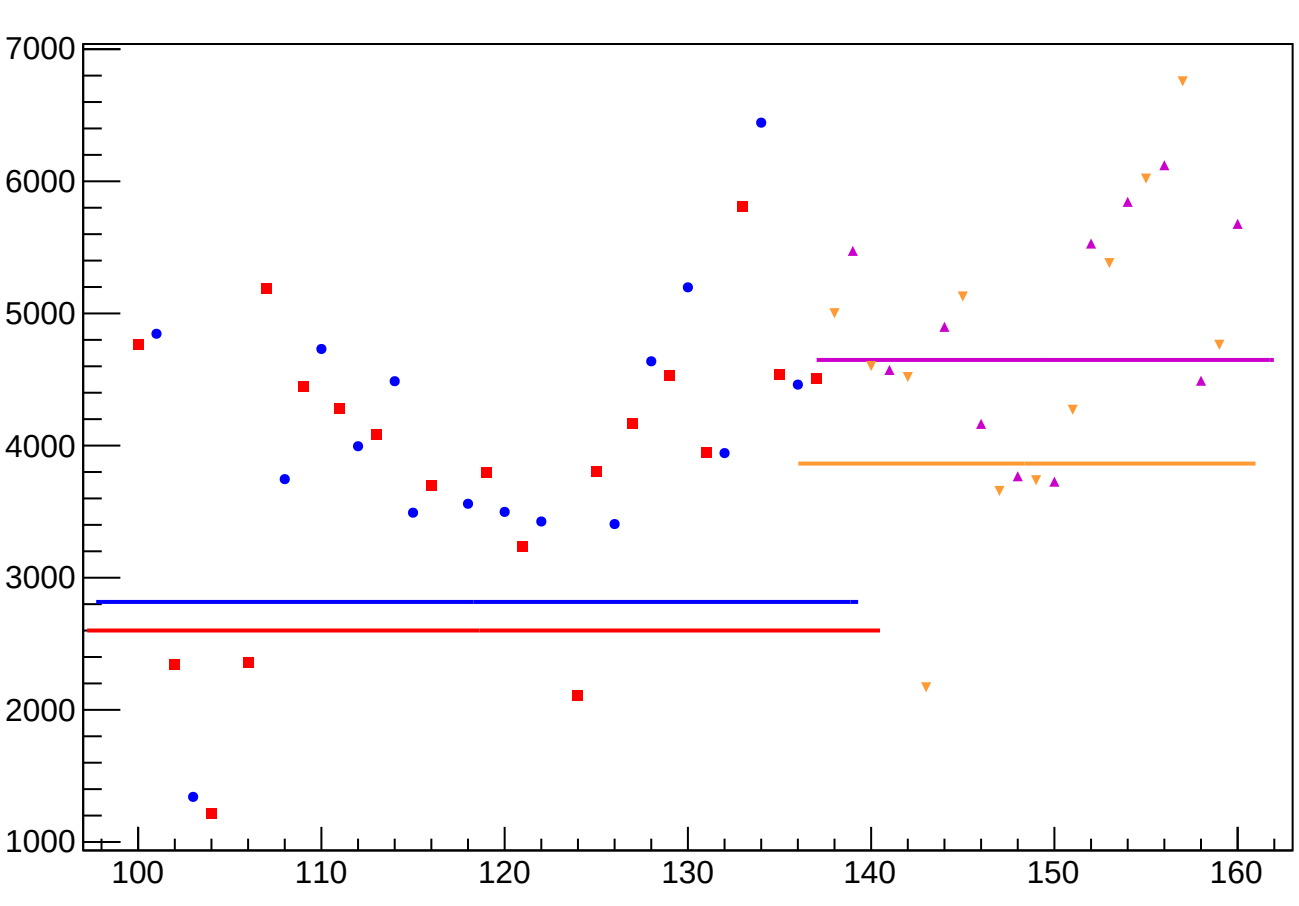
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1304.855+/-0.227 χ^2/NDF:532254.9/26

Out: 1324.060+/-0.230 χ^2/NDF:470209.1/30

All: 1314.340+/-0.162 χ^2/NDF: 1005997.0/57


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -286.895+/-1328.143 χ²/NDF:19.3/11
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 1377.147+/-1530.143 χ²/NDF:5.4/10
Left: 428.110+/-1003.008 χ²/NDF: 25.4/22
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: 79.594+/-935.627 χ²/NDF:21.3/26
Out: -137.951+/-846.348 χ²/NDF:35.2/30
All: -40.050+/-627.655 χ²/NDF: 56.5/57



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: 4648.207+/-1.082 χ^2/NDF:536526.4/10

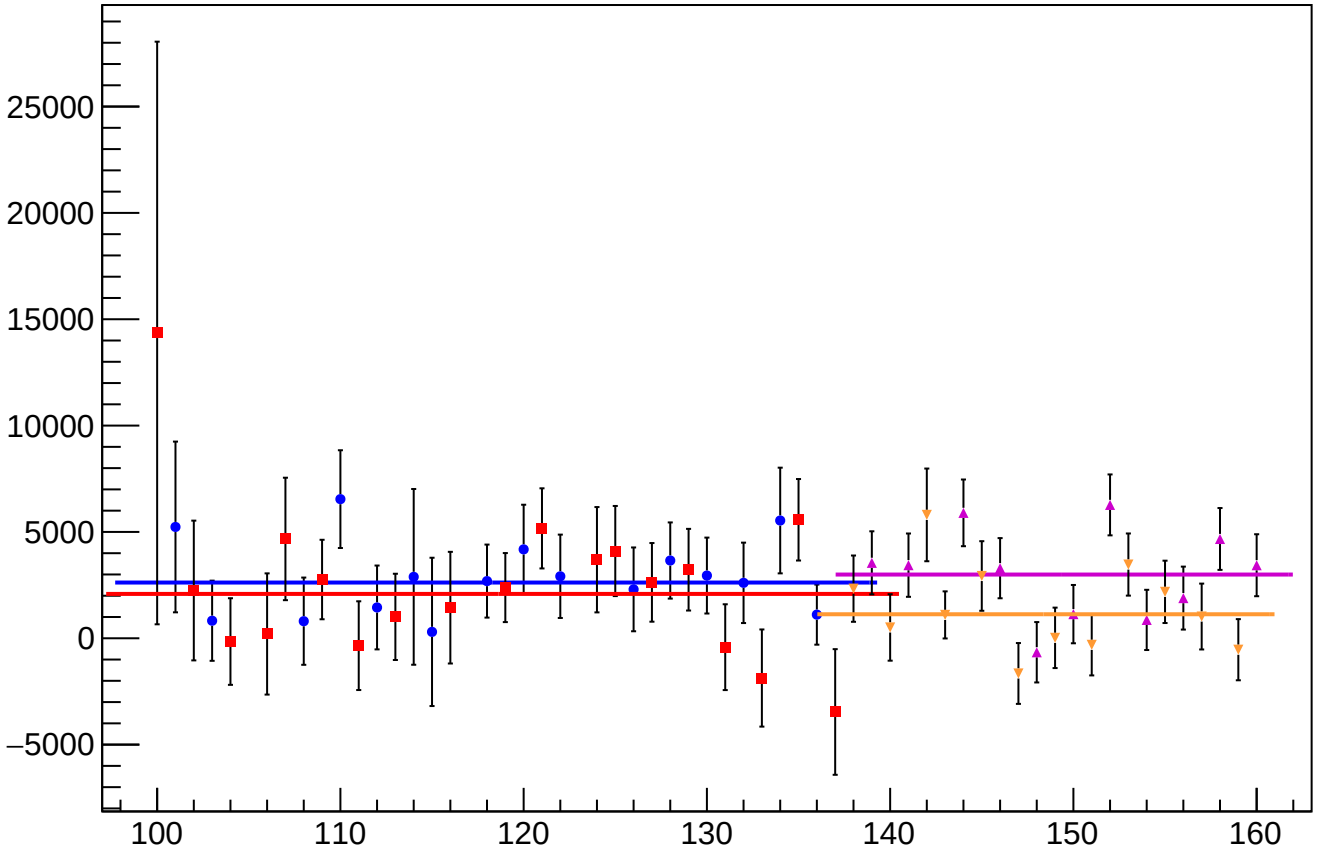
Left: 4200.863+/-0.709 χ^2/NDF: 2780517.3/22

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3501.531+/-0.662 χ^2/NDF:5337987.3/26

Out: 3113.525+/-0.598 χ^2/NDF:6099736.9/30

All: 3288.137+/-0.444 χ^2/NDF: 11626890.6/5



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: 2996.309+/-437.333 χ^2/NDF:21.6/10

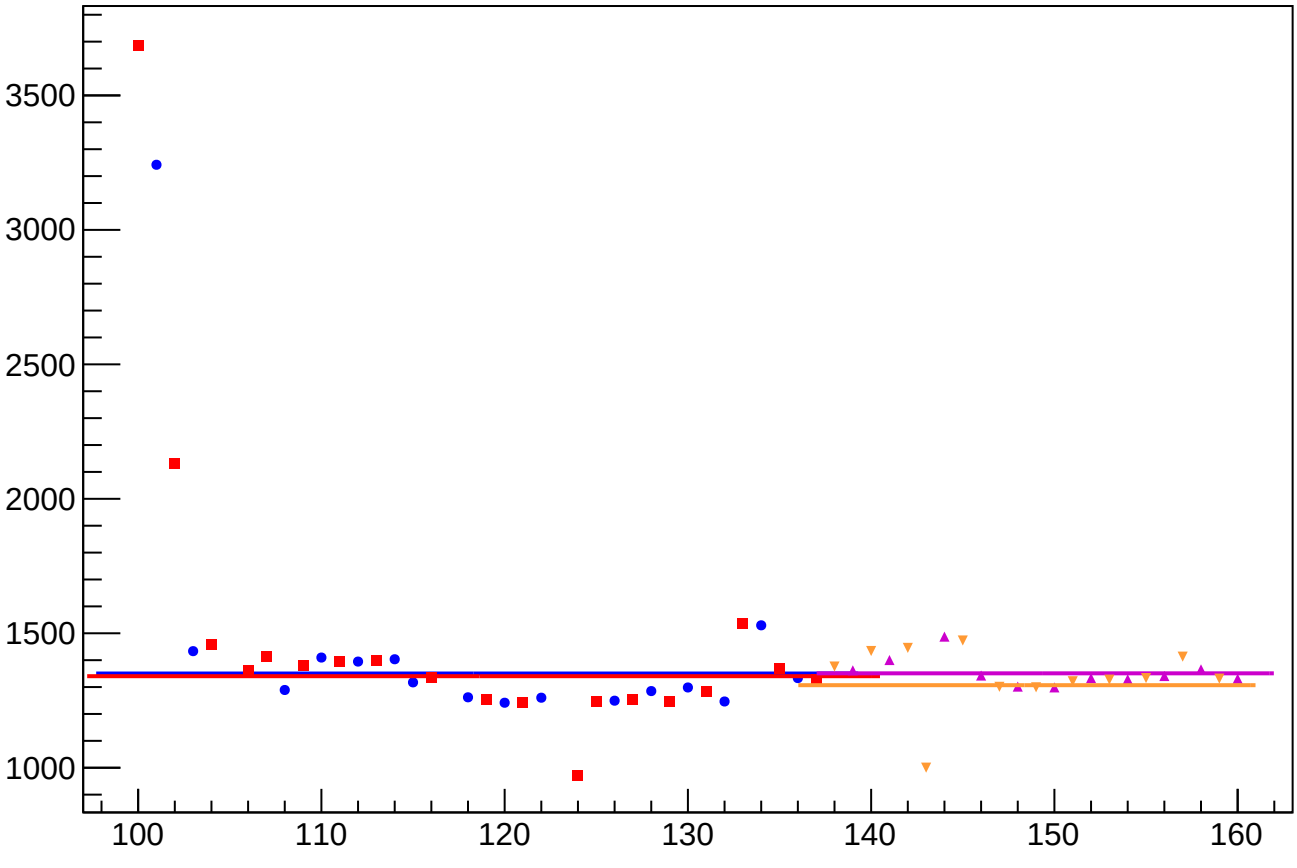
Left: 2037.151+/-304.950 χ^2/NDF: 47.4/22

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2837.620+/-332.403 χ^2/NDF:31.3/26

Out: 1526.480+/-325.334 χ^2/NDF:39.4/30

All: 2167.962+/-232.505 χ^2/NDF: 78.6/57



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: 1351.067+/-0.309 χ^2/NDF:24336.4/10

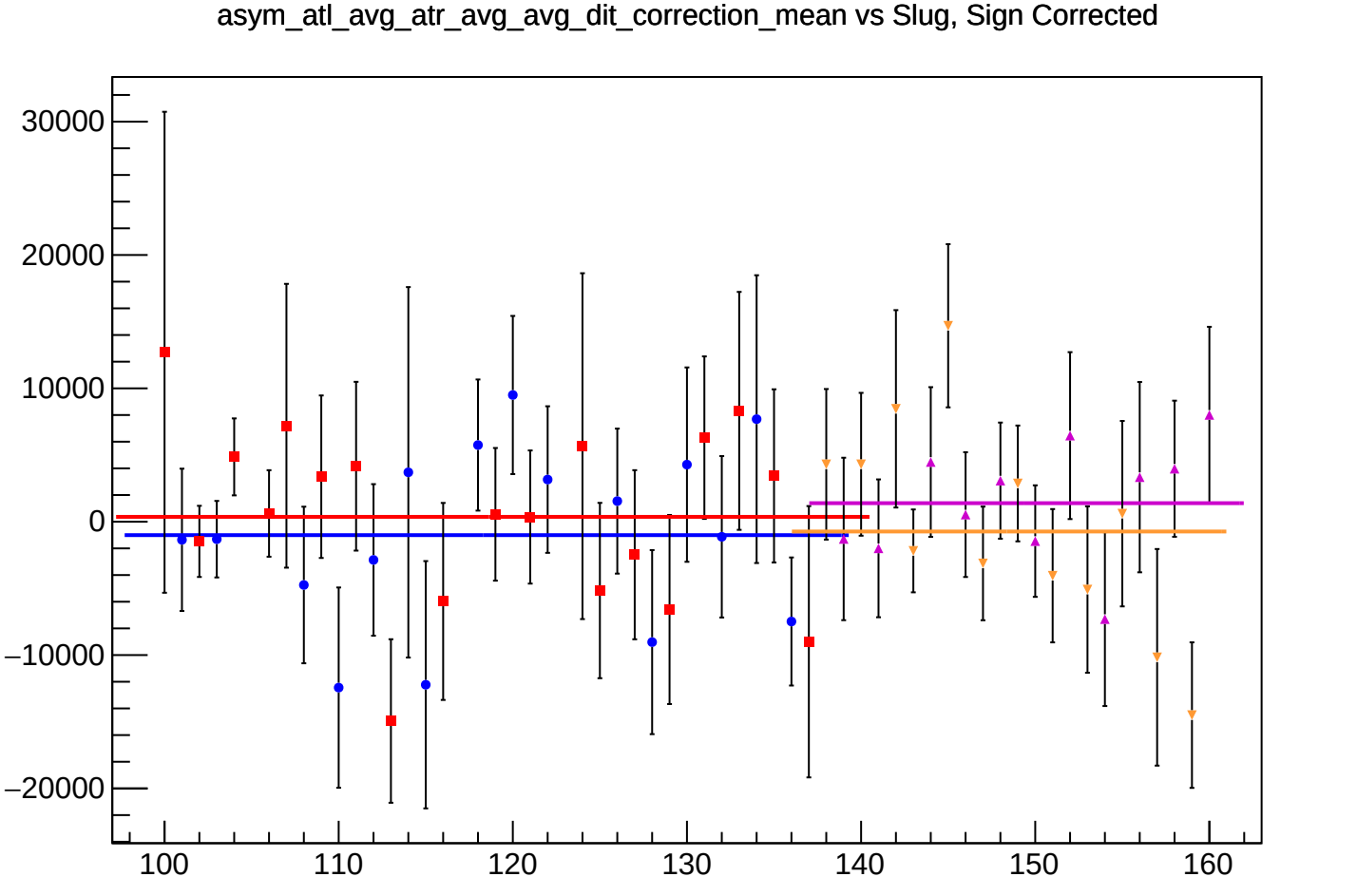
Left: 1328.418+/-0.216 χ^2/NDF: 245510.6/22

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

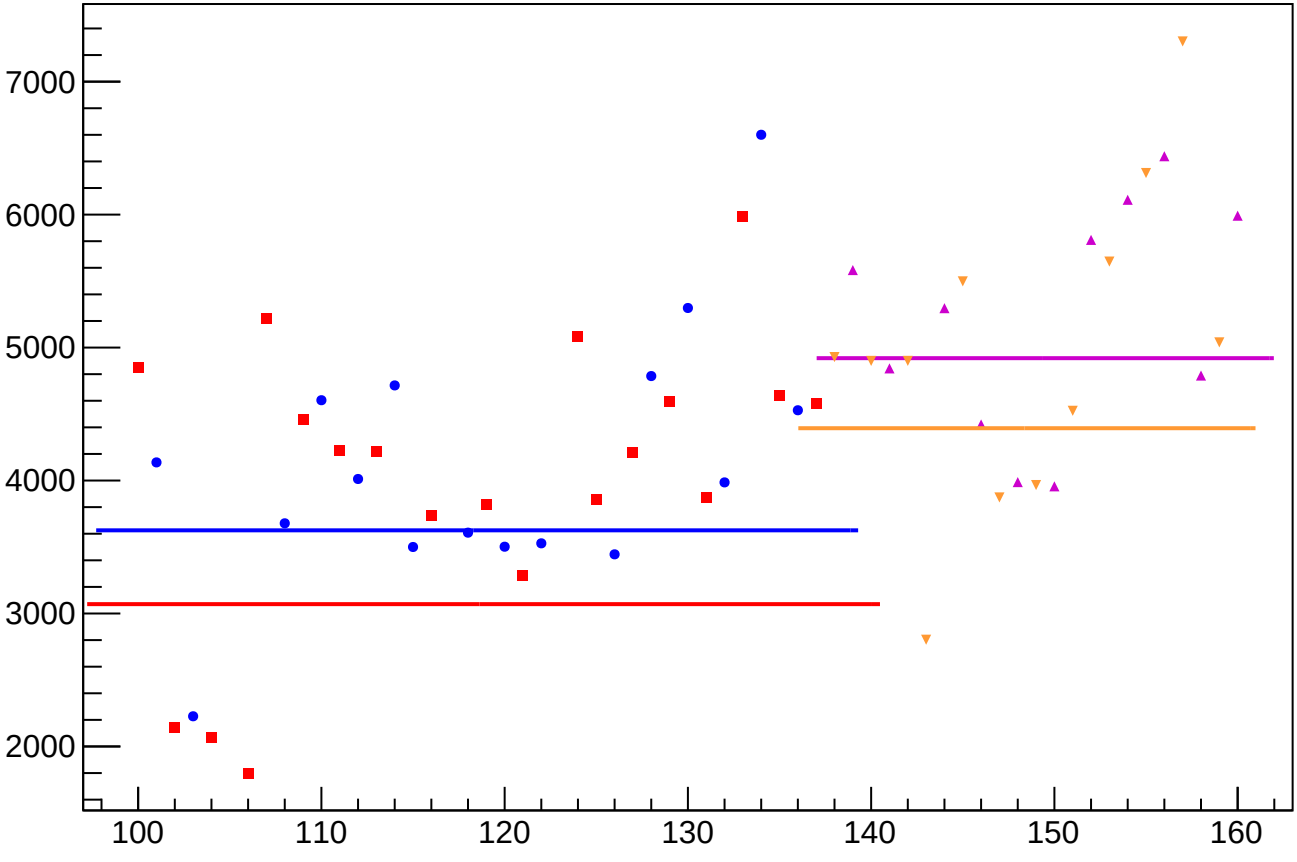
In: 1350.772+/-0.235 χ^2/NDF:518389.6/26

Out: 1320.882+/-0.230 χ^2/NDF:488053.3/30

All: 1335.502+/-0.164 χ^2/NDF: 1014704.7/57


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: 1390.441+/-1618.399 χ²/NDF:5.3/10
Left: 231.910+/-1091.197 χ²/NDF: 25.8/22
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 23.031+/-1060.735 χ²/NDF:21.2/26
Out: -73.091+/-932.666 χ²/NDF:36.0/30
All: -31.180+/-700.421 χ²/NDF: 57.2/57

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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: 4920.300+/-1.144 χ^2/NDF:505472.5/10

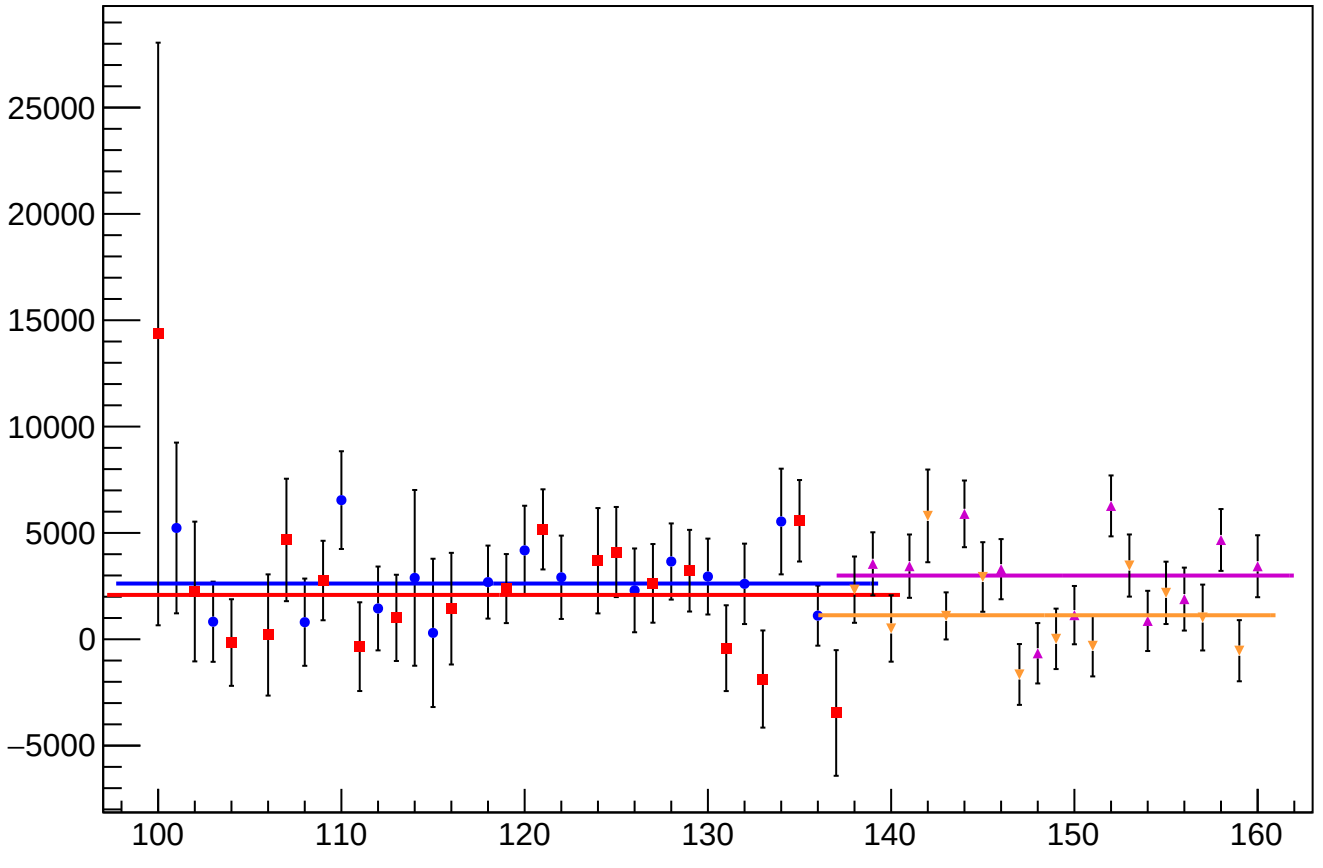
Left: 4632.983+/-0.772 χ^2/NDF: 1823893.0/22

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4181.725+/-0.750 χ^2/NDF:2180595.4/26

Out: 3597.591+/-0.659 χ^2/NDF:4006155.0/30

All: 3852.284+/-0.495 χ^2/NDF: 6528814.3/57



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: 2996.308+/-437.334 χ^2/NDF:21.6/10

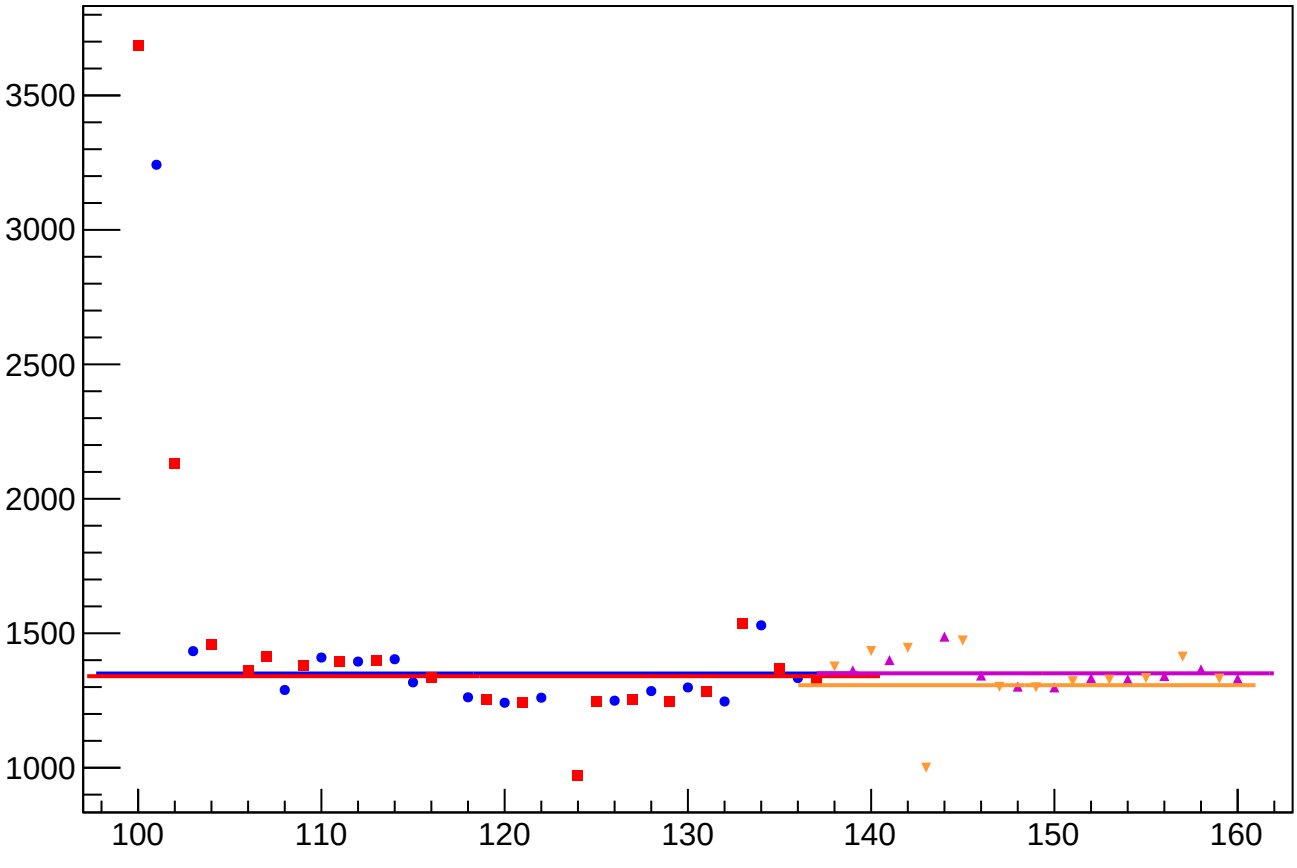
Left: 2037.149+/-304.950 χ^2/NDF: 47.4/22

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2837.619+/-332.403 χ^2/NDF:31.3/26

Out: 1526.479+/-325.334 χ^2/NDF:39.4/30

All: 2167.961+/-232.505 χ^2/NDF: 78.6/57



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: 1351.068+/-0.309 χ^2/NDF:24336.6/10

Left: 1328.419+/-0.216 χ^2/NDF: 245511.3/22

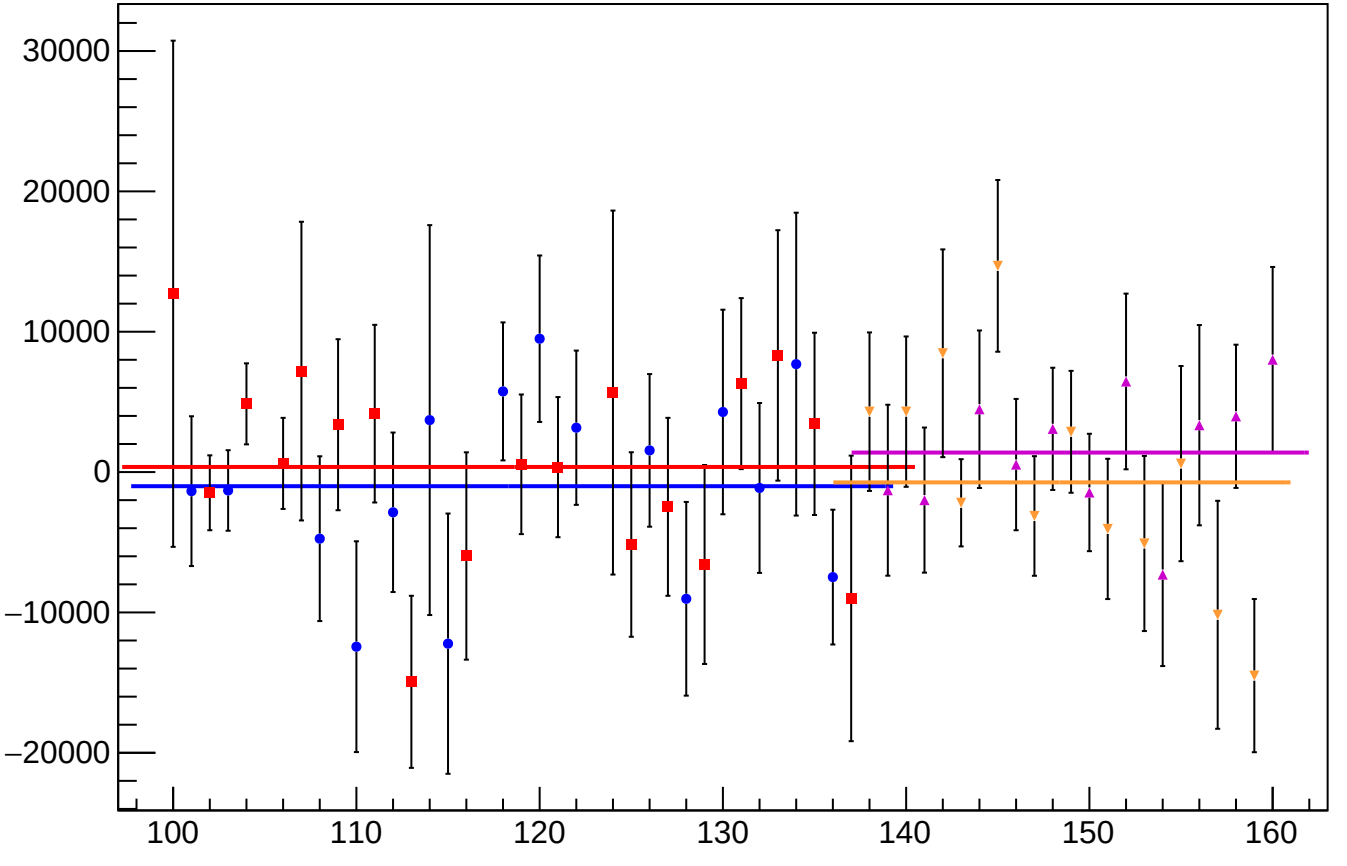
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1350.773+/-0.235 χ^2/NDF:518390.0/26

Out: 1320.882+/-0.230 χ^2/NDF:488052.3/30

All: 1335.502+/-0.164 χ^2/NDF: 1014704.1/57

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -733.774+/-1477.572 χ^2/NDF:19.5/11

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 1390.440+/-1618.401 χ^2/NDF:5.3/10

Left: 231.907+/-1091.198 χ^2/NDF: 25.8/22

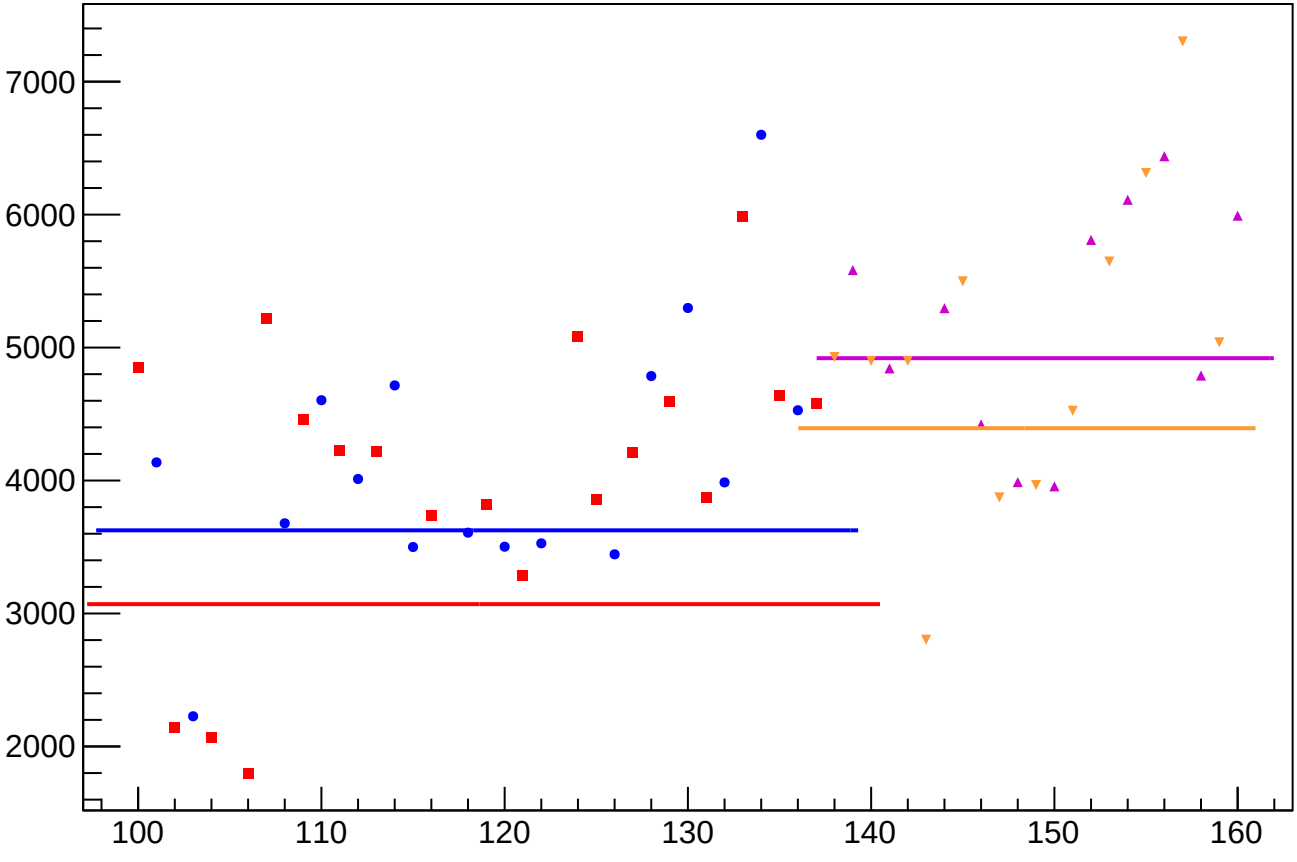
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: 23.031+/-1060.734 χ^2/NDF:21.2/26

Out: -73.091+/-932.665 χ^2/NDF:36.0/30

All: -31.180+/-700.420 χ^2/NDF: 57.2/57

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4920.306+/-1.144 χ^2/NDF:505472.8/10

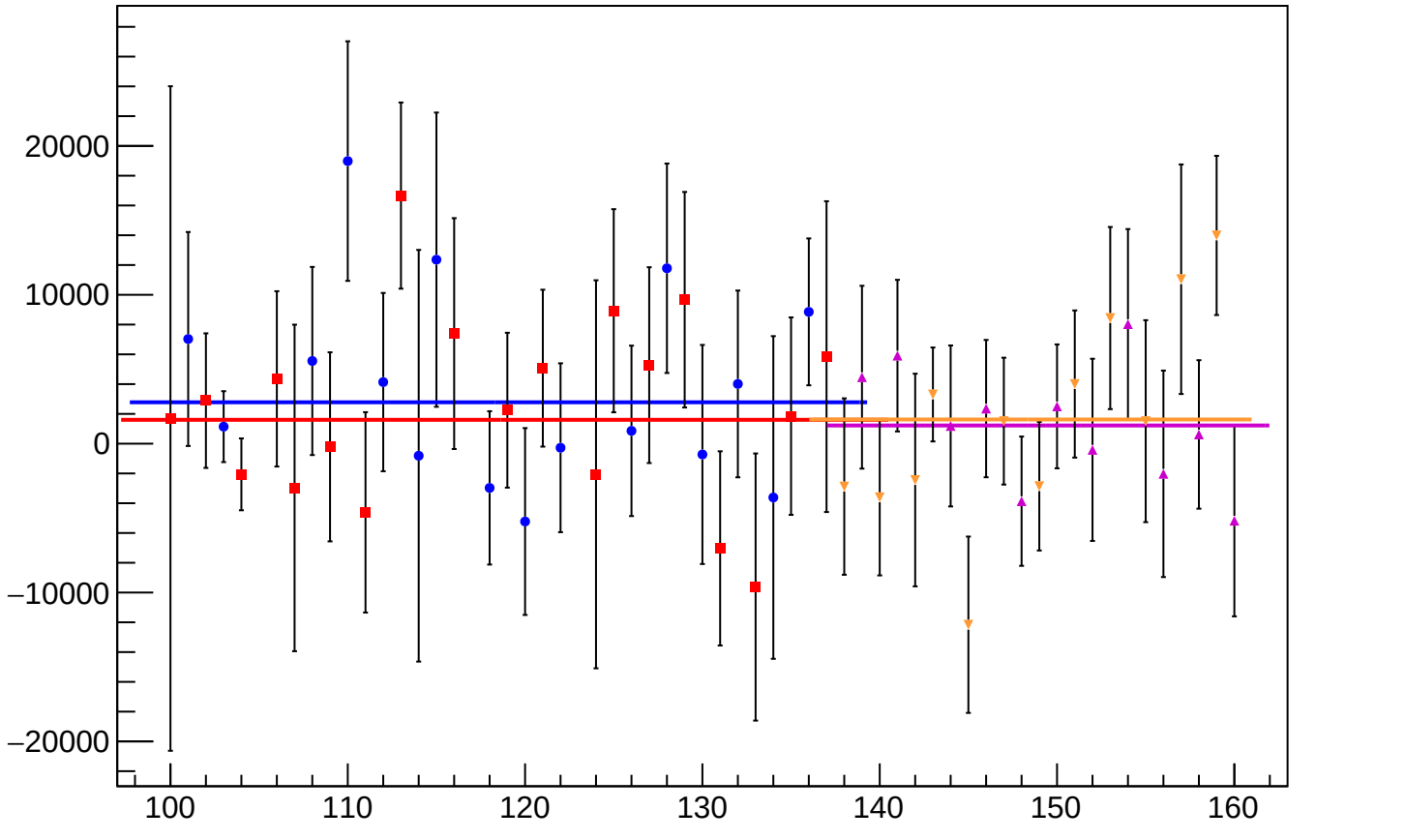
Left: 4632.989+/-0.772 χ^2/NDF: 1823892.2/22

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4181.720+/-0.750 χ^2/NDF:2180615.5/26

Out: 3597.586+/-0.659 χ^2/NDF:4006179.3/30

All: 3852.279+/-0.495 χ^2/NDF: 6528859.8/57



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1624.703+/-1469.250 χ^2/NDF:17.0/11

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1221.959+/-1594.106 χ^2/NDF:5.1/10

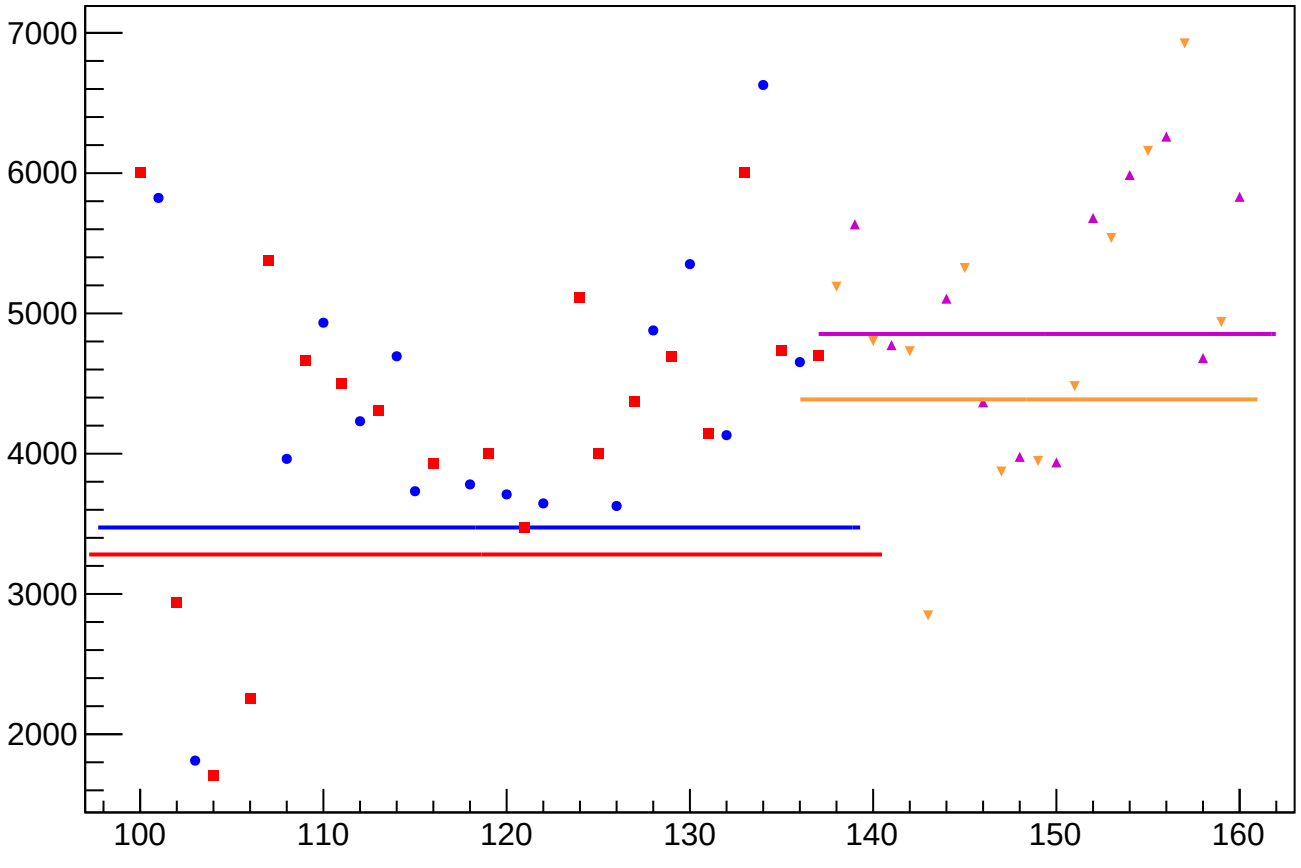
Left: 1439.718+/-1080.364 χ^2/NDF: 22.1/22

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2107.857+/-1047.417 χ^2/NDF:18.8/26

Out: 1612.626+/-988.866 χ^2/NDF:33.8/30

All: 1846.014+/-719.042 χ^2/NDF: 52.7/57



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: 4853.523+/-1.127 χ^2/NDF:468277.9/10

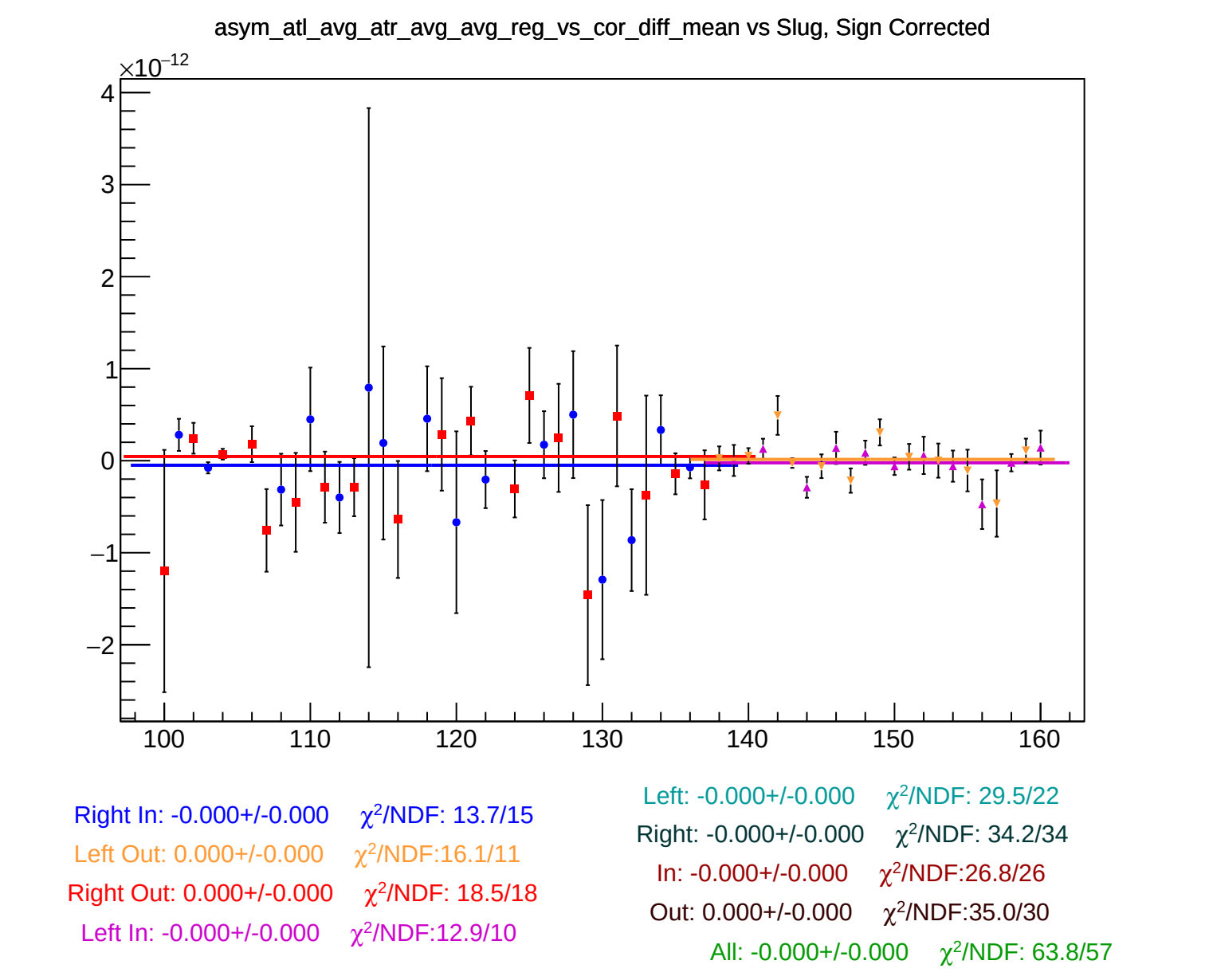
Left: 4601.235+/-0.764 χ^2/NDF: 1637386.1/22

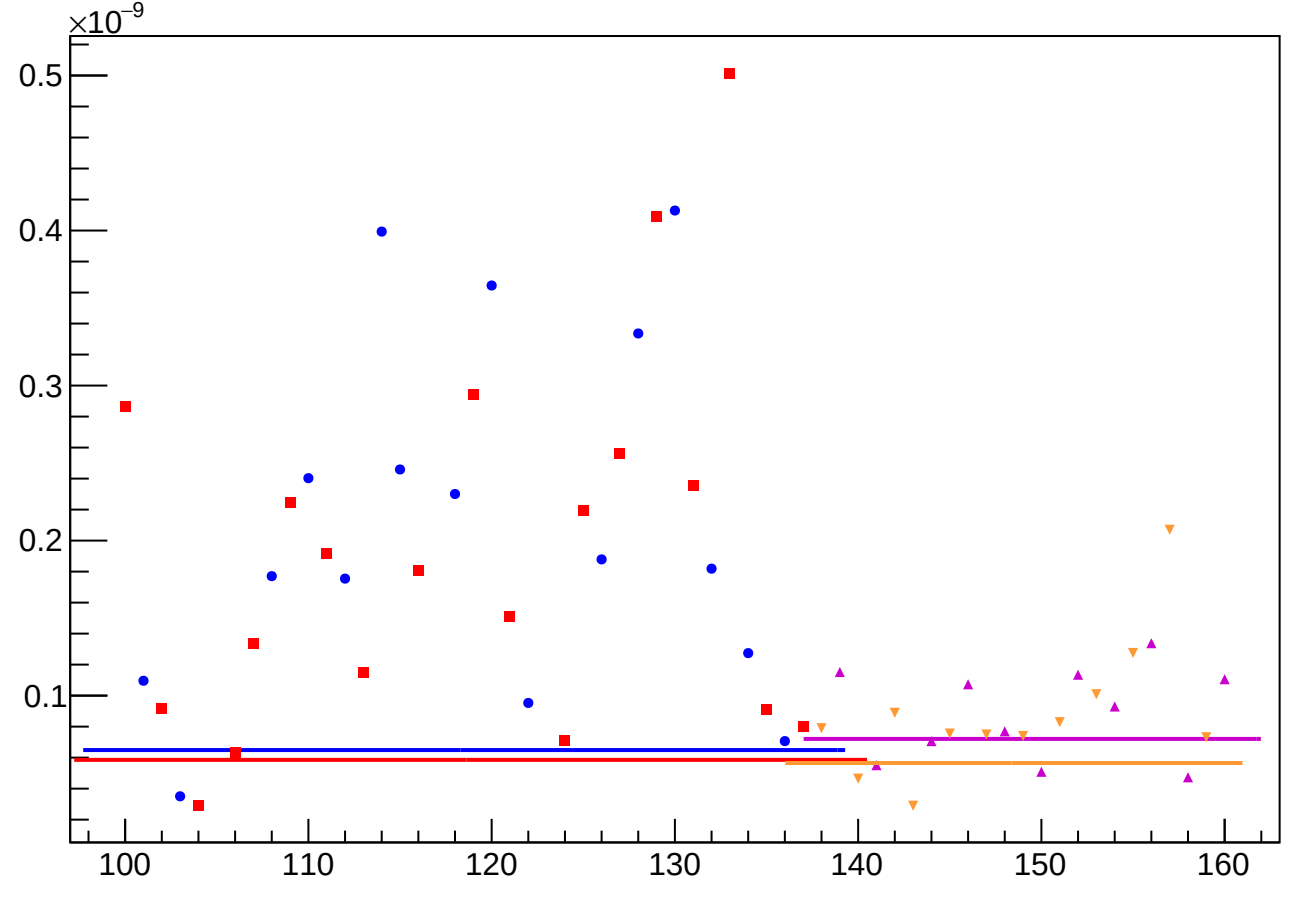
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4069.508+/-0.741 χ^2/NDF:3163538.4/26

Out: 3774.697+/-0.694 χ^2/NDF:3578976.0/30

All: 3912.521+/-0.506 χ^2/NDF: 6826887.3/57


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:12.9/10
Left: -0.000+/-0.000 χ²/NDF: 29.5/22
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:26.8/26
Out: 0.000+/-0.000 χ²/NDF:35.0/30
All: -0.000+/-0.000 χ²/NDF: 63.8/57



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:805034.1/10

Left: 0.000+/-0.000 χ^2/NDF: 2535027.7/22

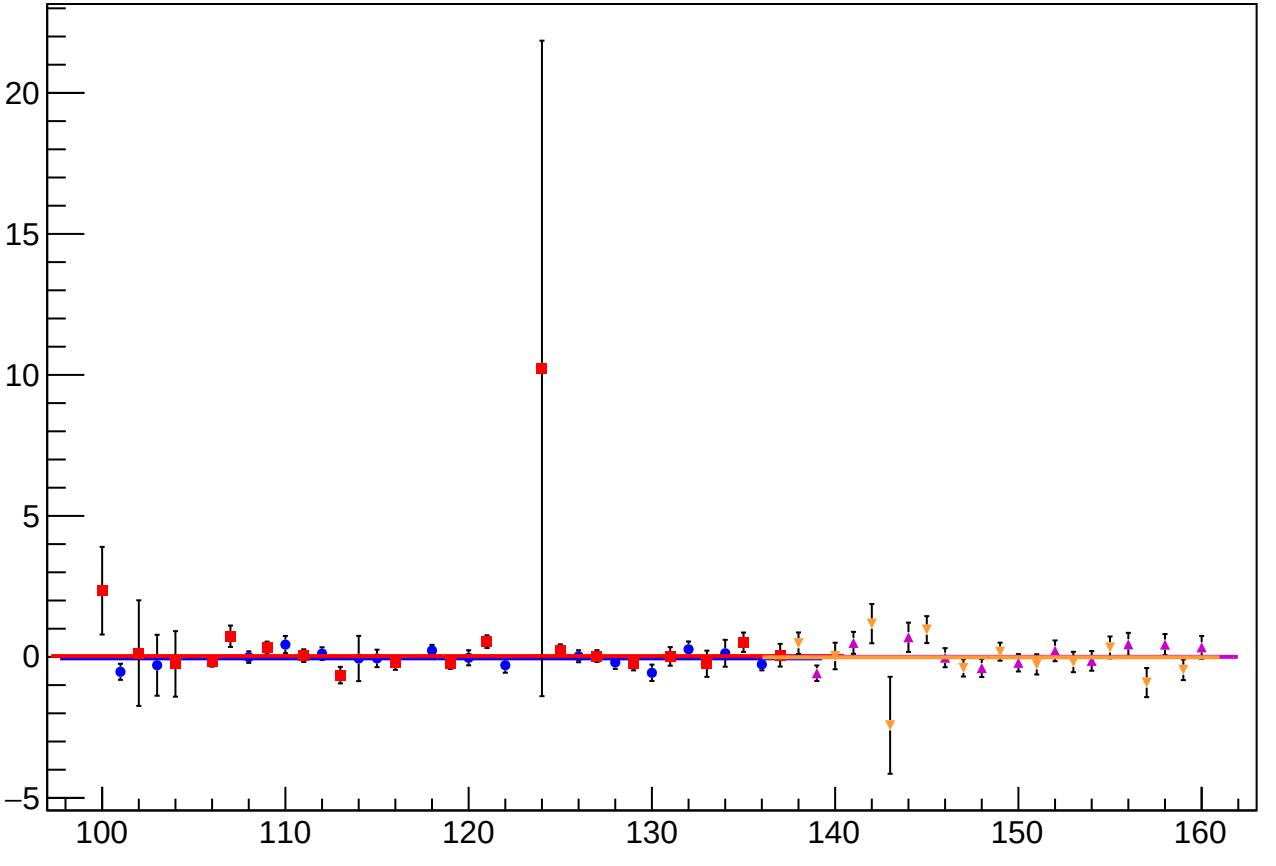
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3423908.1/26

Out: 0.000+/-0.000 χ^2/NDF:4410646.4/30

All: 0.000+/-0.000 χ^2/NDF: 8001716.0/57

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: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.005+/-0.079 χ^2/NDF: 32.3/22

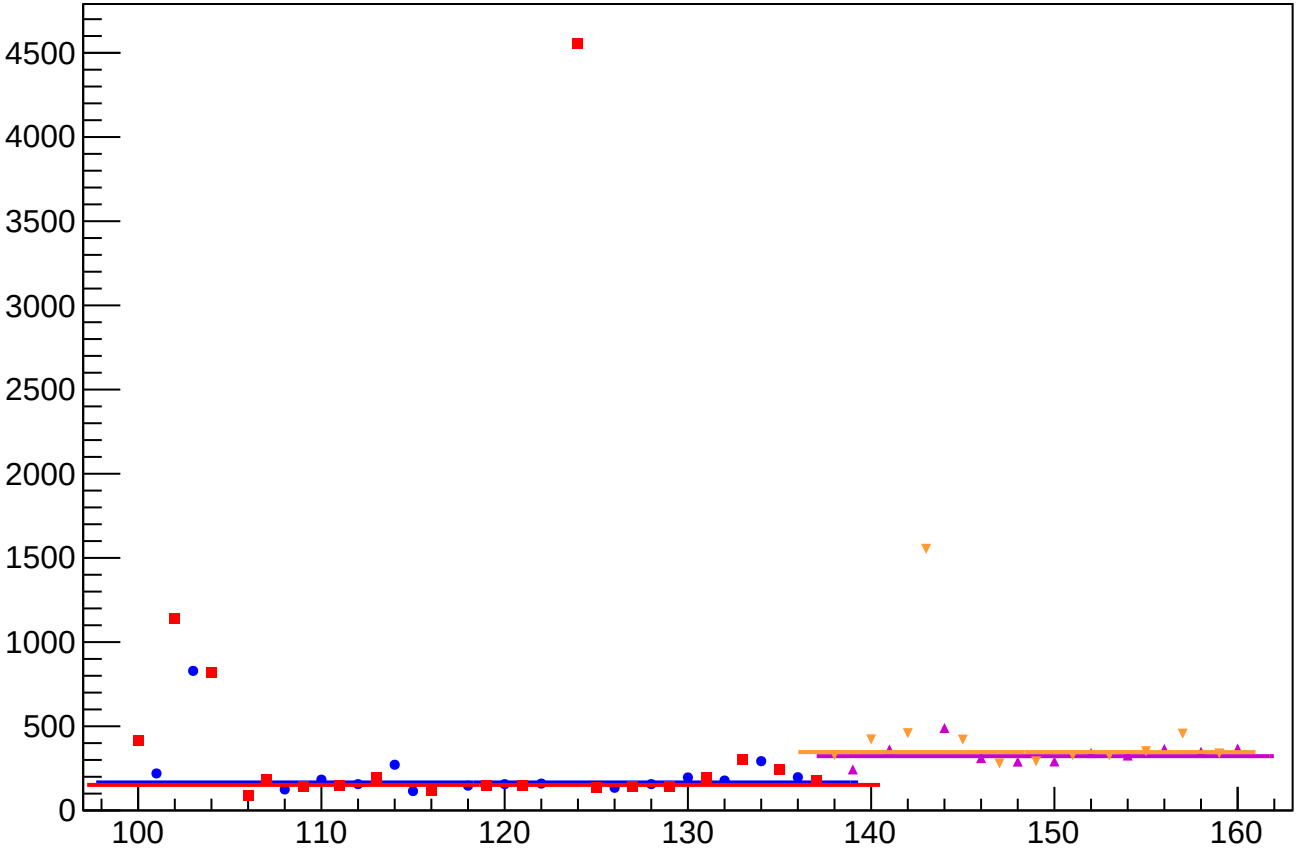
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.008+/-0.040 χ^2/NDF: 75.5/57

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 346.777+/-0.084 χ^2/NDF:1398294.8/11

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 322.446+/-0.076 χ^2/NDF:498949.9/10

Left: 333.406+/-0.056 χ^2/NDF: 1943889.4/22

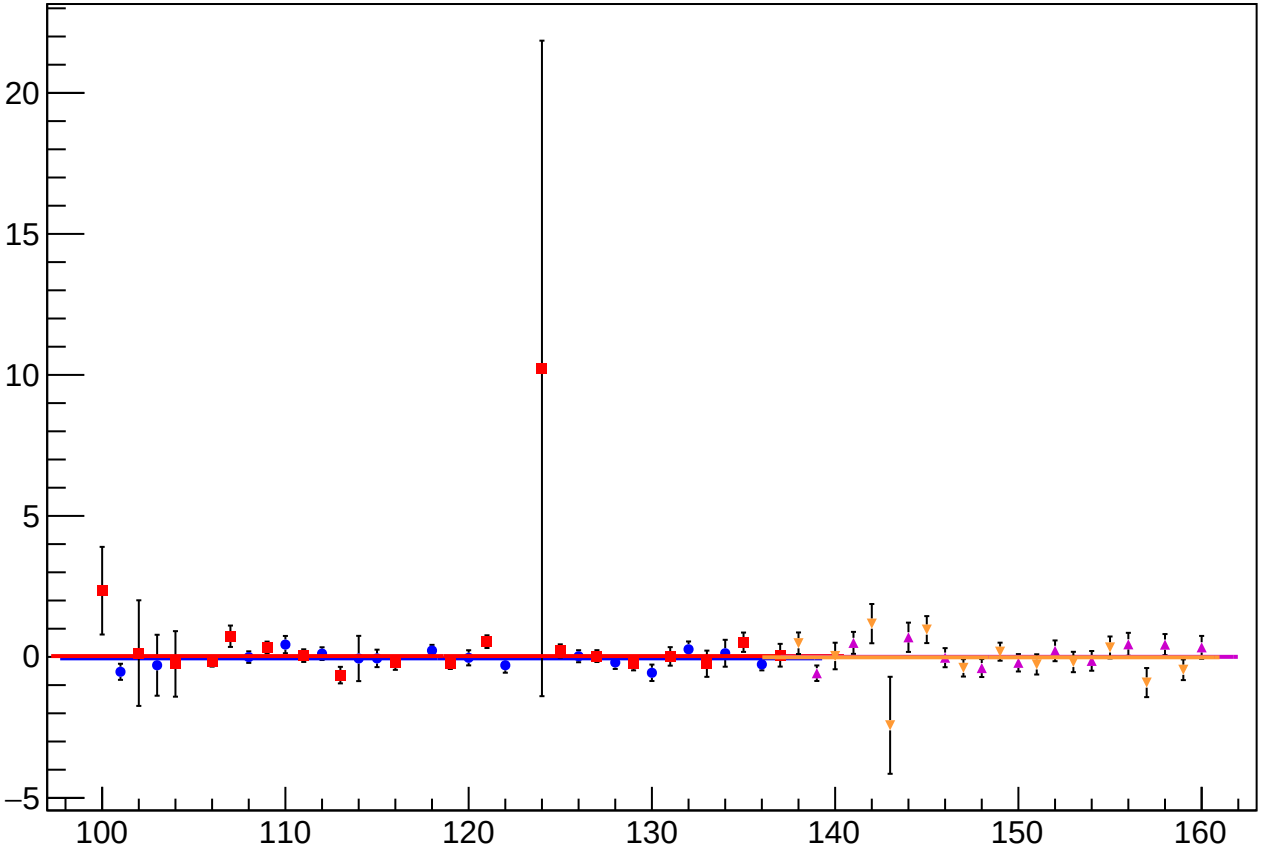
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 210.105+/-0.040 χ^2/NDF:4848653.5/26

Out: 196.074+/-0.040 χ^2/NDF:7927015.6/30

All: 203.049+/-0.028 χ^2/NDF: 12837461.1/57

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: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.005+/-0.079 χ^2/NDF: 32.3/22

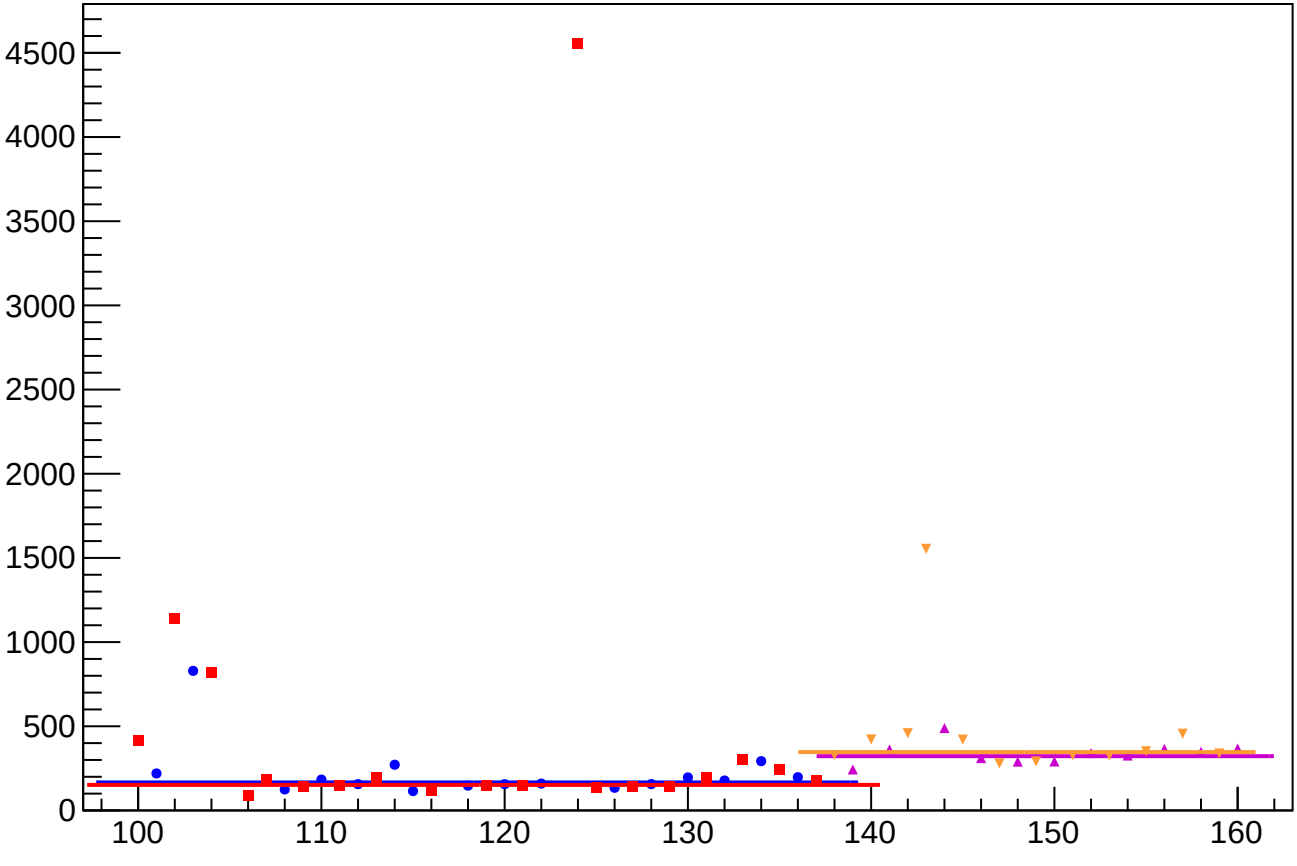
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.008+/-0.040 χ^2/NDF: 75.5/57

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: 322.446+/-0.076 χ^2/NDF:498949.9/10

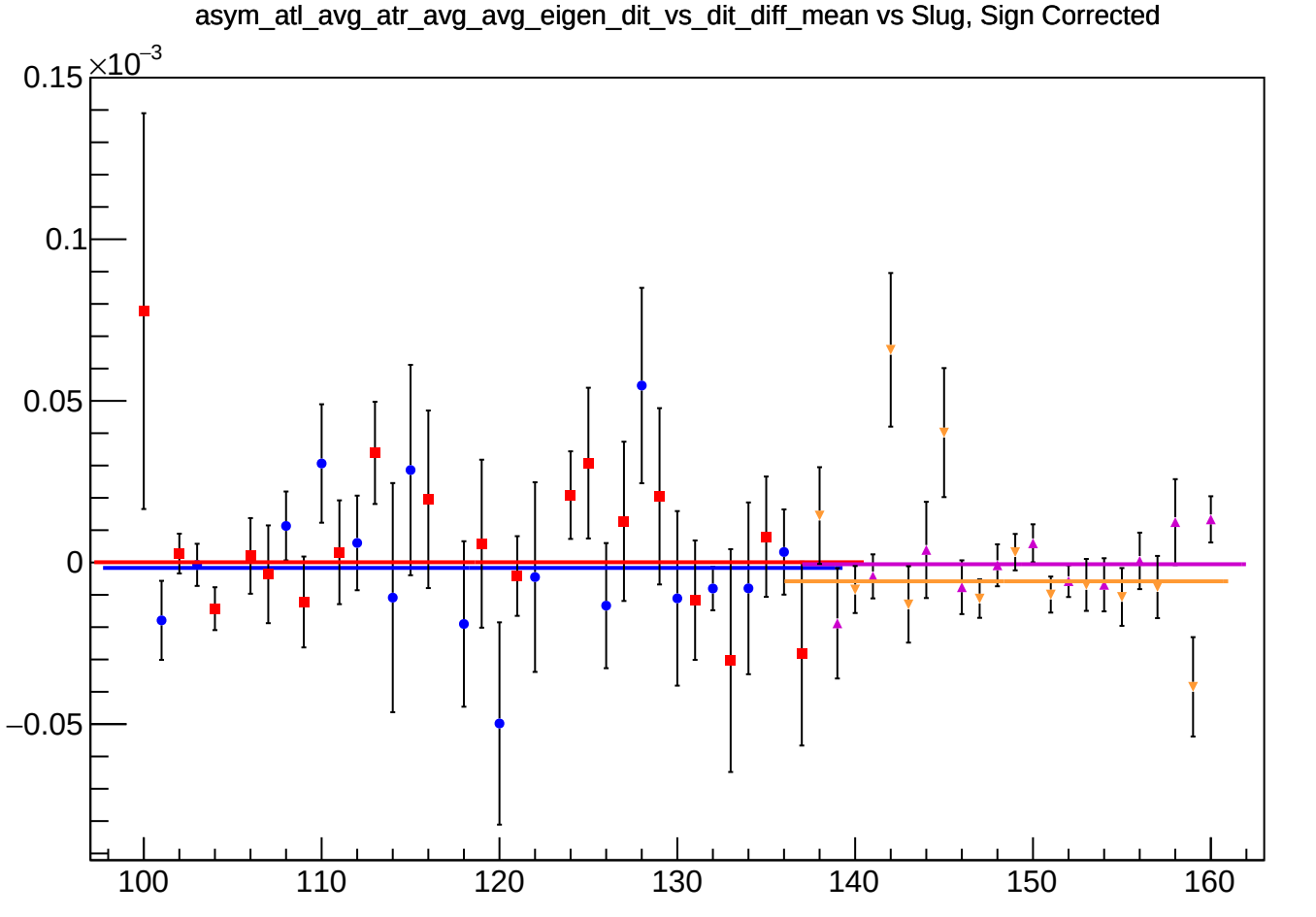
Left: 333.406+/-0.056 χ^2/NDF: 1943889.4/22

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 210.105+/-0.040 χ^2/NDF:4848653.5/26

Out: 196.074+/-0.040 χ^2/NDF:7927015.6/30

All: 203.049+/-0.028 χ^2/NDF: 12837461.1/57



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:10.0/10

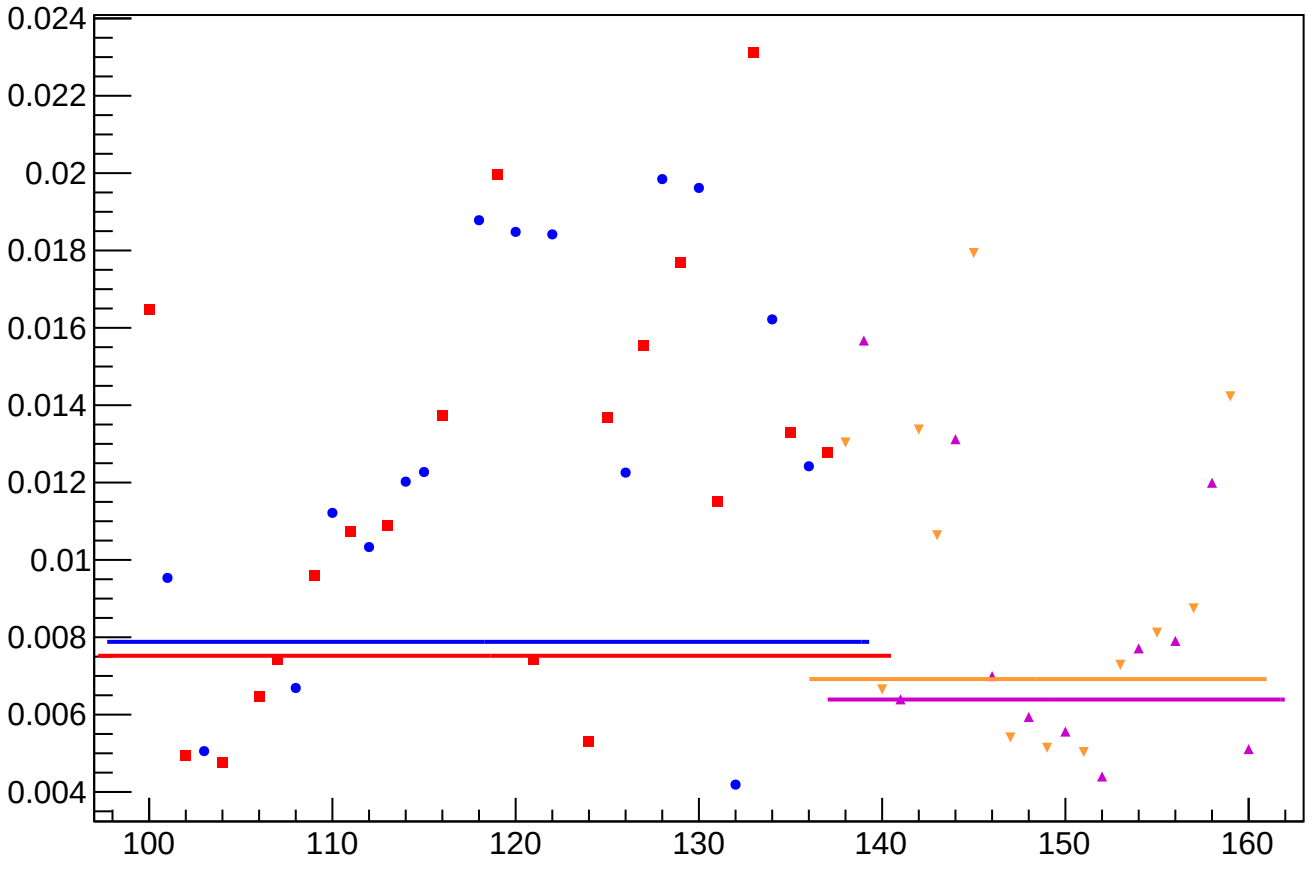
Left: -0.000+/-0.000 χ^2/NDF: 38.0/22

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.5/26

Out: -0.000+/-0.000 χ^2/NDF:47.6/30

All: -0.000+/-0.000 χ^2/NDF: 74.2/57



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: 0.006+/-0.000 χ^2/NDF:1921860.1/10

Left: 0.007+/-0.000 χ^2/NDF: 4384684.5/22

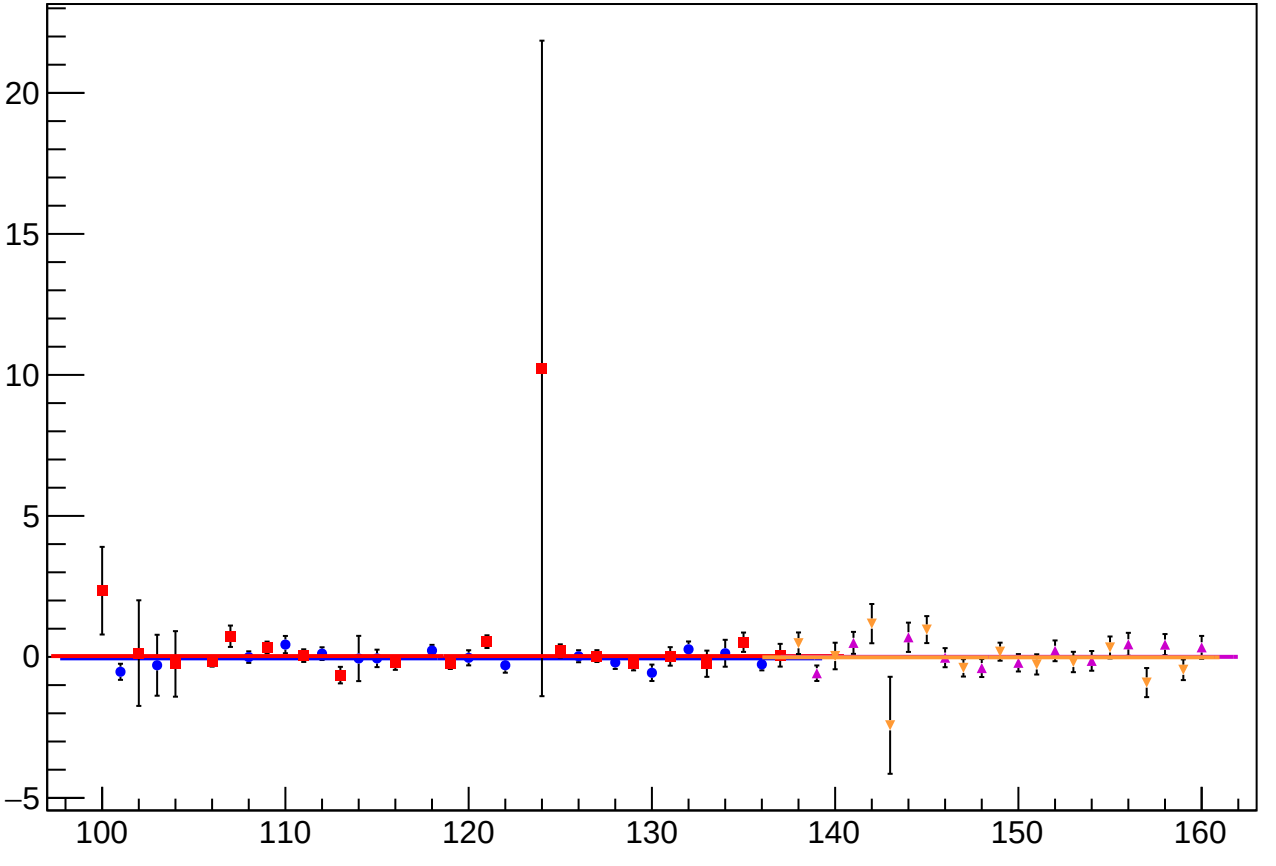
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5488433.6/26

Out: 0.007+/-0.000 χ^2/NDF:5433928.8/30

All: 0.007+/-0.000 χ^2/NDF: 10945480.6/57

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: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.005+/-0.079 χ^2/NDF: 32.3/22

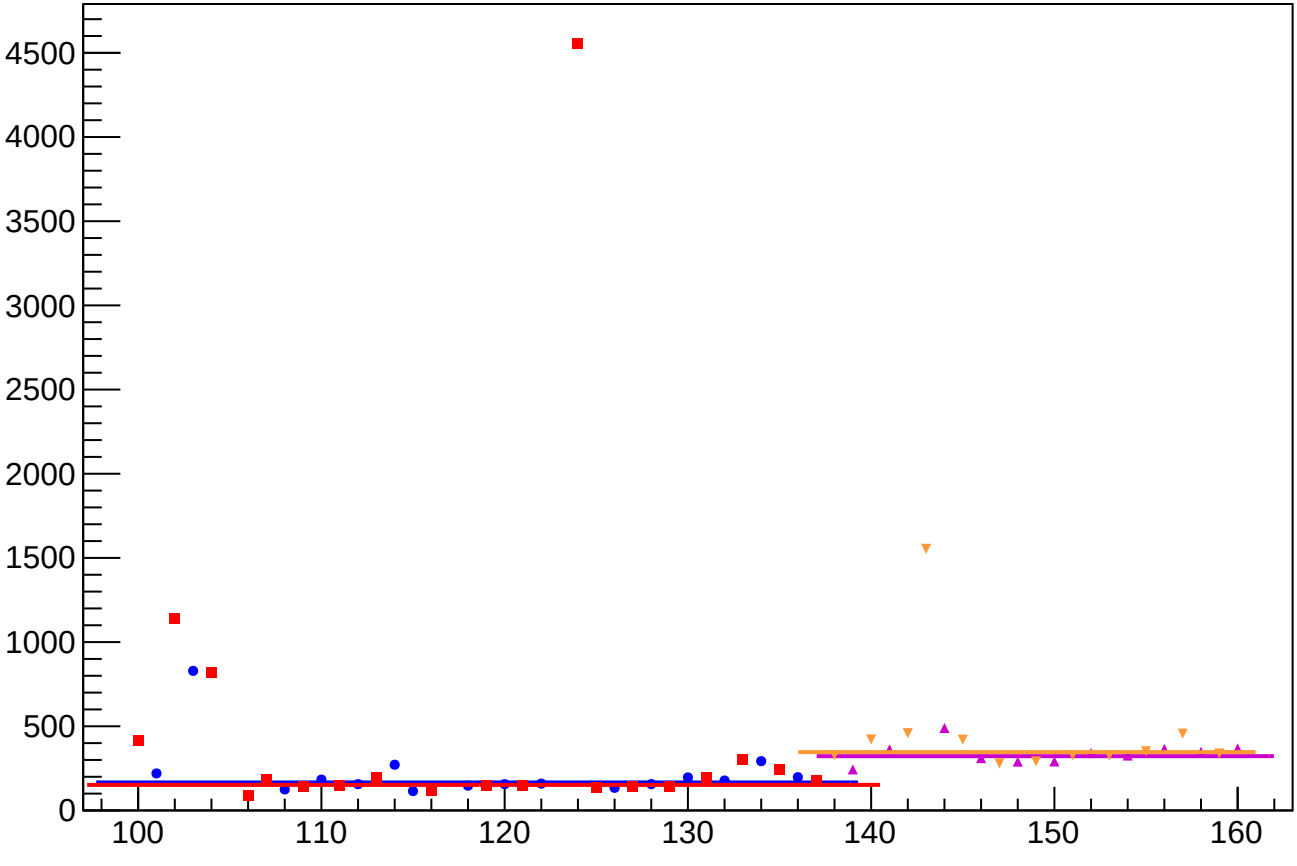
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.008+/-0.040 χ^2/NDF: 75.5/57

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: 322.450+/-0.076 χ^2/NDF:498936.6/10

Left: 333.410+/-0.056 χ^2/NDF: 1943872.8/22

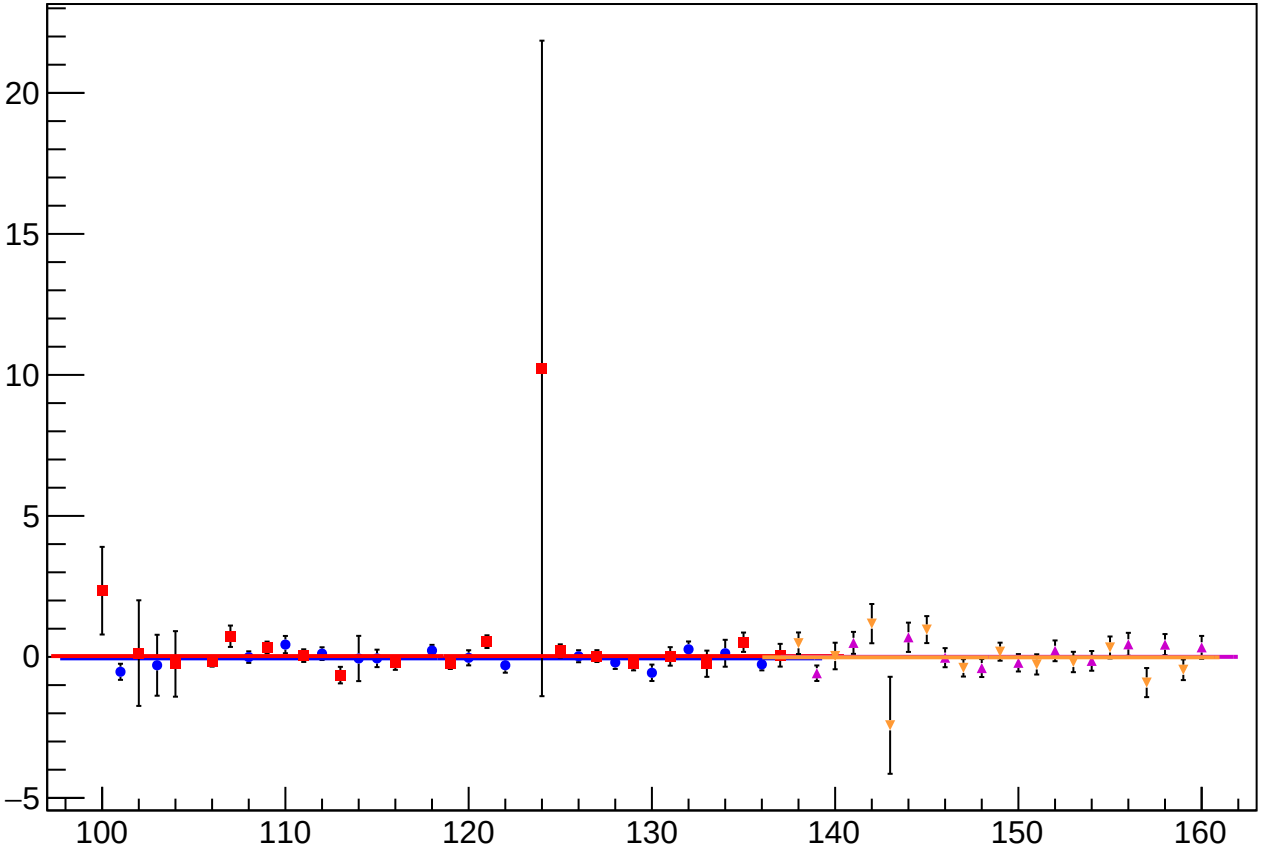
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 210.105+/-0.040 χ^2/NDF:4848792.9/26

Out: 196.072+/-0.040 χ^2/NDF:7927193.8/30

All: 203.048+/-0.028 χ^2/NDF: 12837787.8/57

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: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.005+/-0.079 χ^2/NDF: 32.3/22

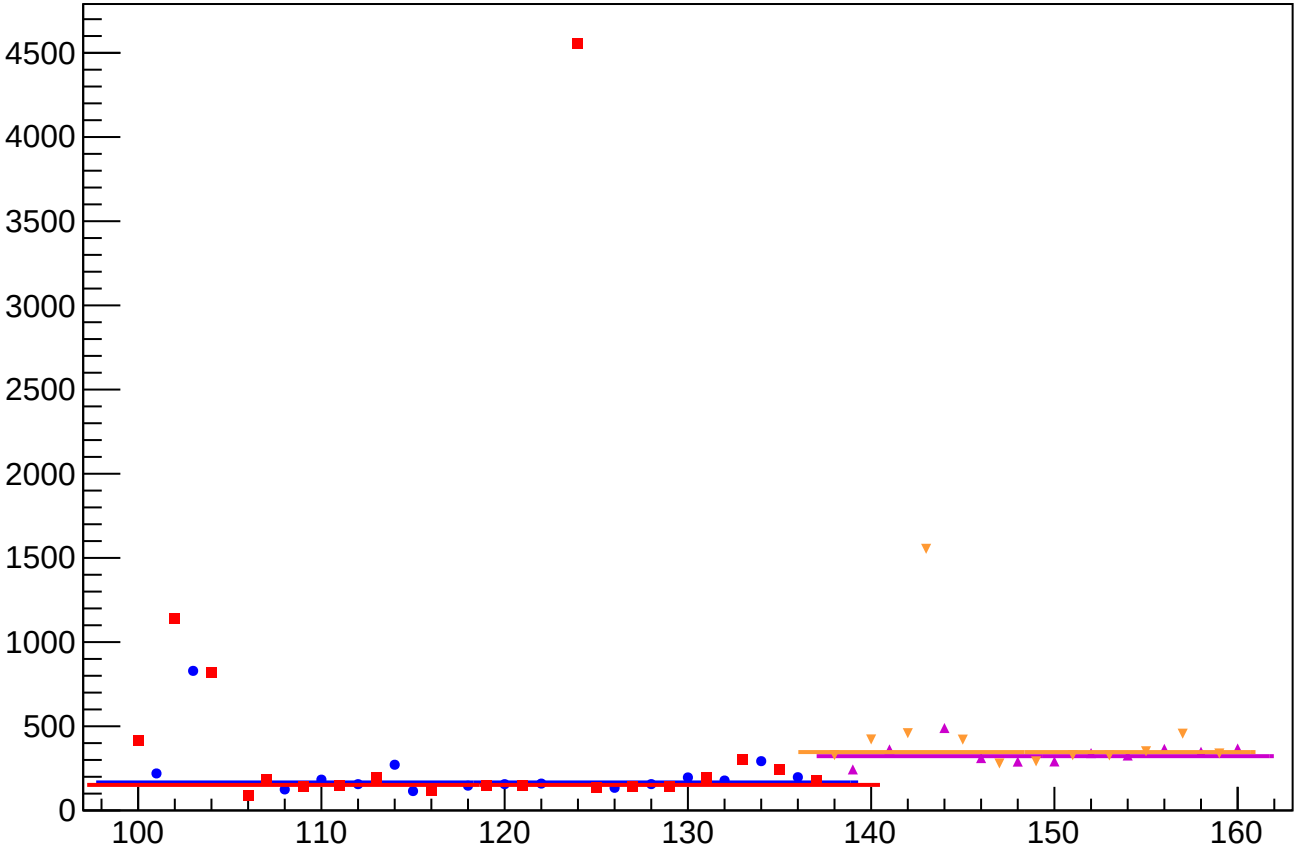
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.019+/-0.056 χ^2/NDF:46.3/30

All: -0.008+/-0.040 χ^2/NDF: 75.5/57

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: 322.450+/-0.076 χ^2/NDF:498936.6/10

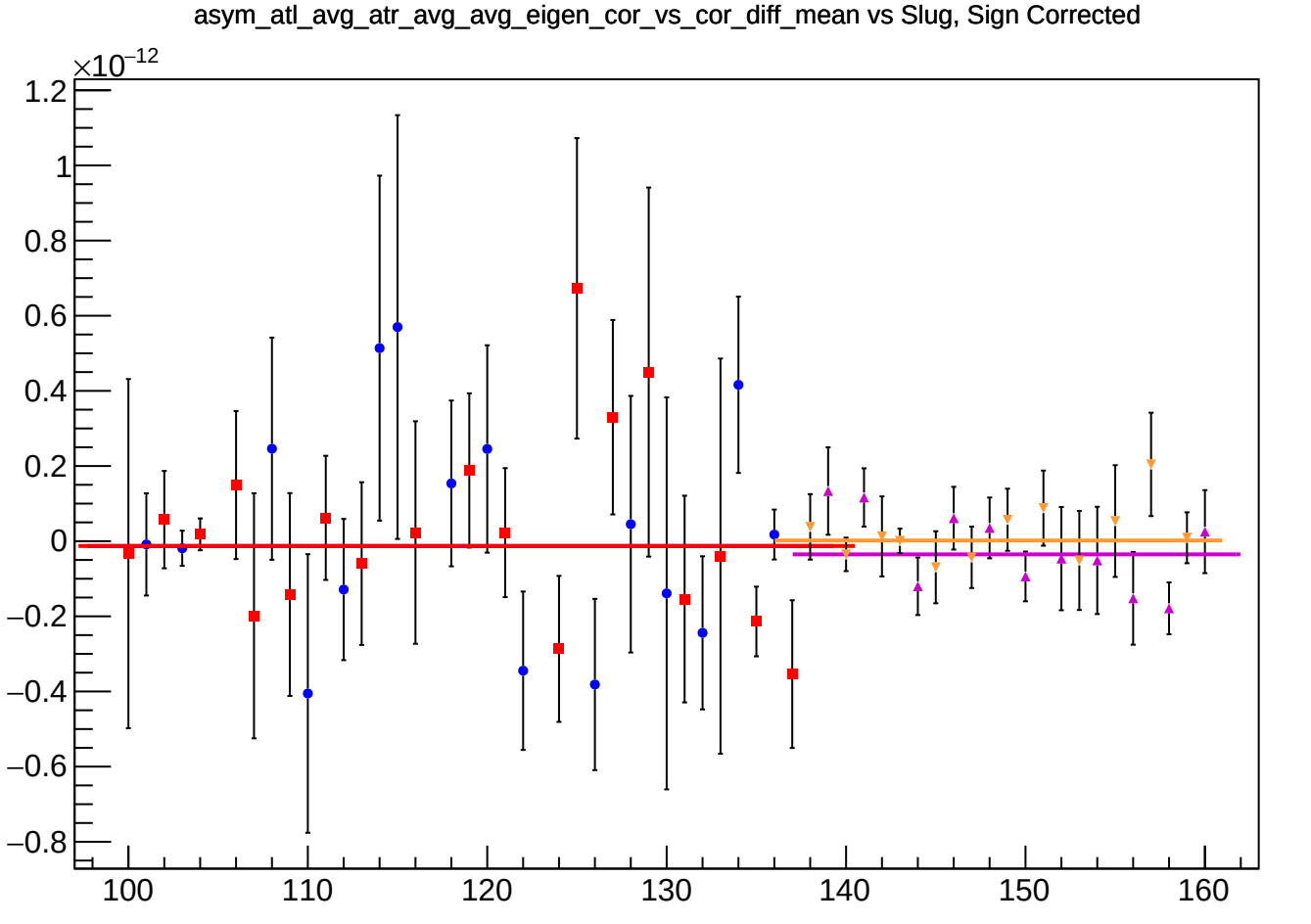
Left: 333.410+/-0.056 χ^2/NDF: 1943872.8/22

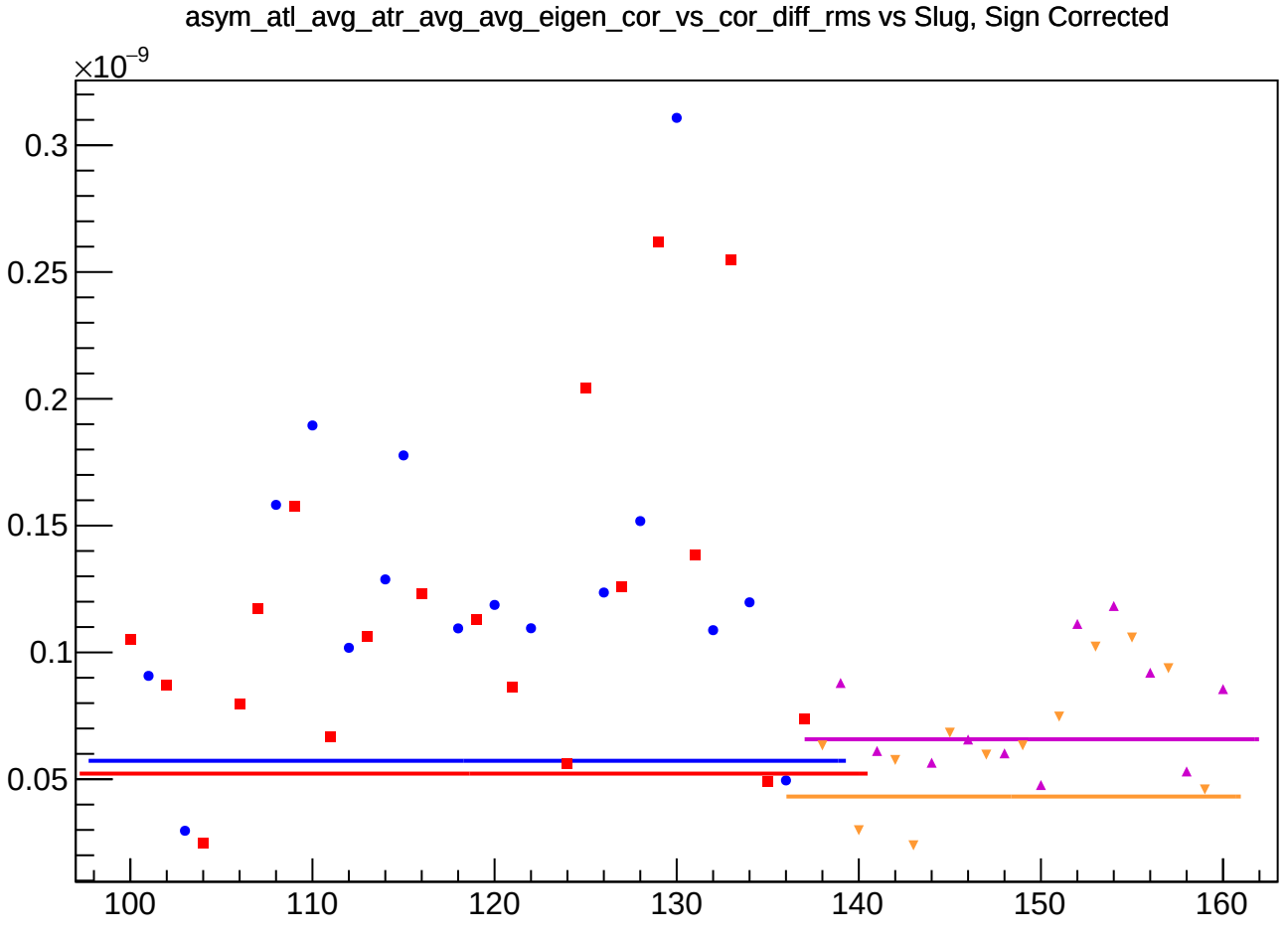
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 210.105+/-0.040 χ^2/NDF:4848792.9/26

Out: 196.072+/-0.040 χ^2/NDF:7927193.8/30

All: 203.048+/-0.028 χ^2/NDF: 12837787.8/57


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/11
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:15.6/10
Left: -0.000+/-0.000 χ²/NDF: 22.2/22
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:32.0/26
Out: -0.000+/-0.000 χ²/NDF:24.4/30
All: -0.000+/-0.000 χ²/NDF: 57.2/57



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:980172.2/10

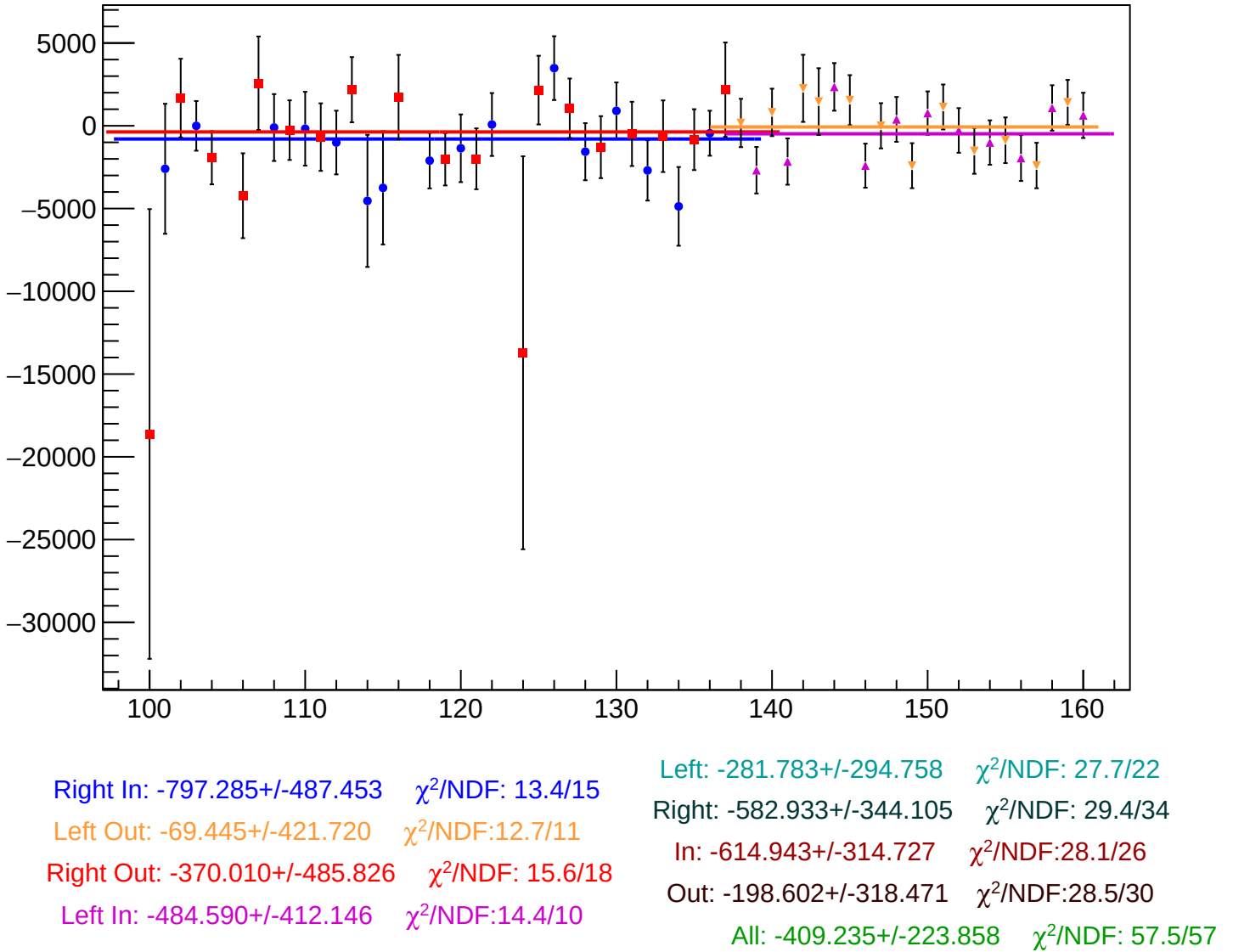
Left: 0.000+/-0.000 χ^2/NDF: 4485516.9/22

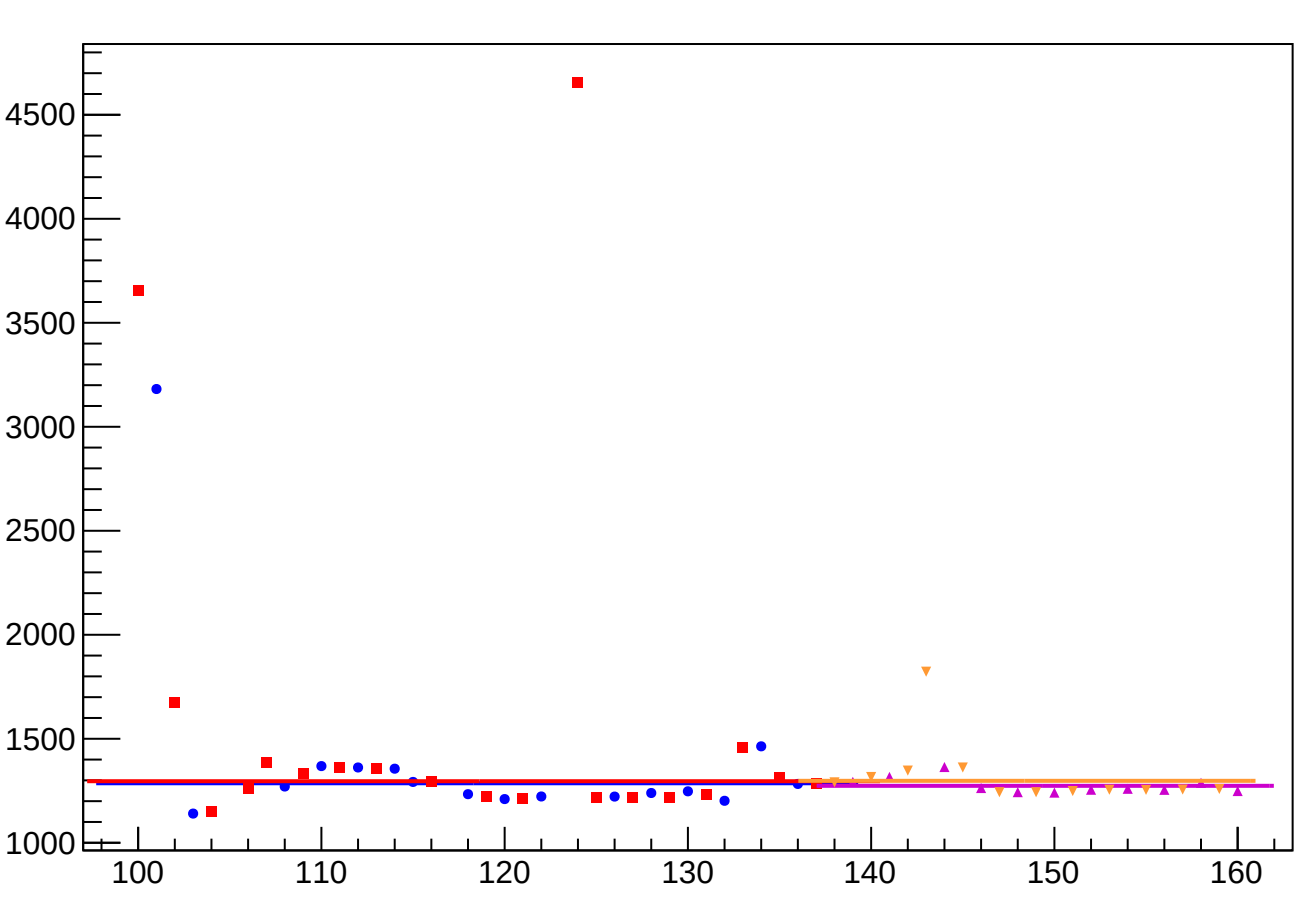
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4043169.3/26

Out: 0.000+/-0.000 χ^2/NDF:5993017.5/30

All: 0.000+/-0.000 χ^2/NDF: 10812001.5/57


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: -484.590+/-412.146 χ²/NDF:14.4/10
Left: -281.783+/-294.758 χ²/NDF: 27.7/22
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -614.943+/-314.727 χ²/NDF:28.1/26
Out: -198.602+/-318.471 χ²/NDF:28.5/30
All: -409.235+/-223.858 χ²/NDF: 57.5/57



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: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1285.529+/-0.208 χ^2/NDF: 174712.4/22

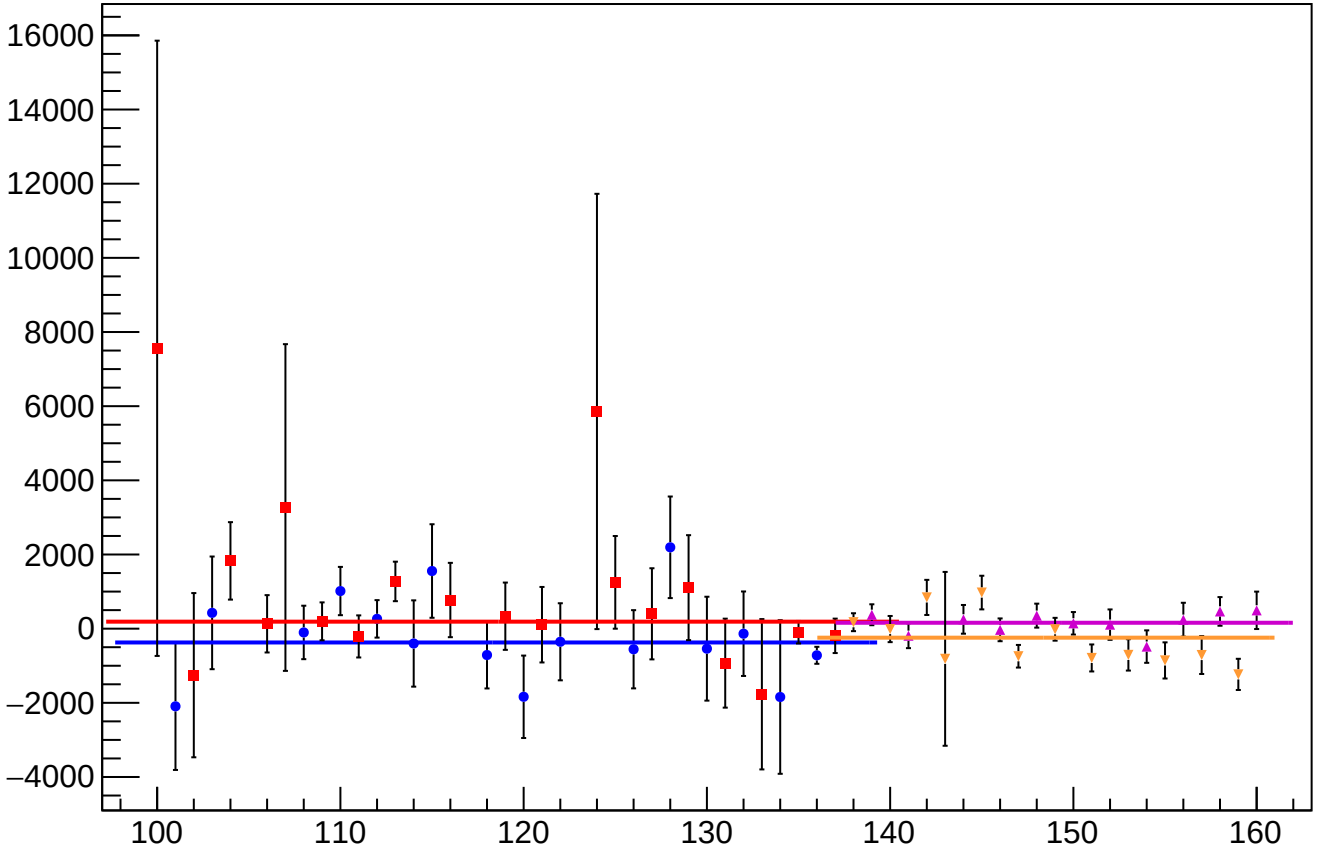
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1278.922+/-0.223 χ^2/NDF:533307.1/26

Out: 1297.012+/-0.225 χ^2/NDF:485042.4/30

All: 1287.860+/-0.158 χ^2/NDF: 1021614.1/57

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: 159.231+/-108.014 χ^2/NDF:5.7/10

Left: -38.397+/-77.033 χ^2/NDF: 43.1/22

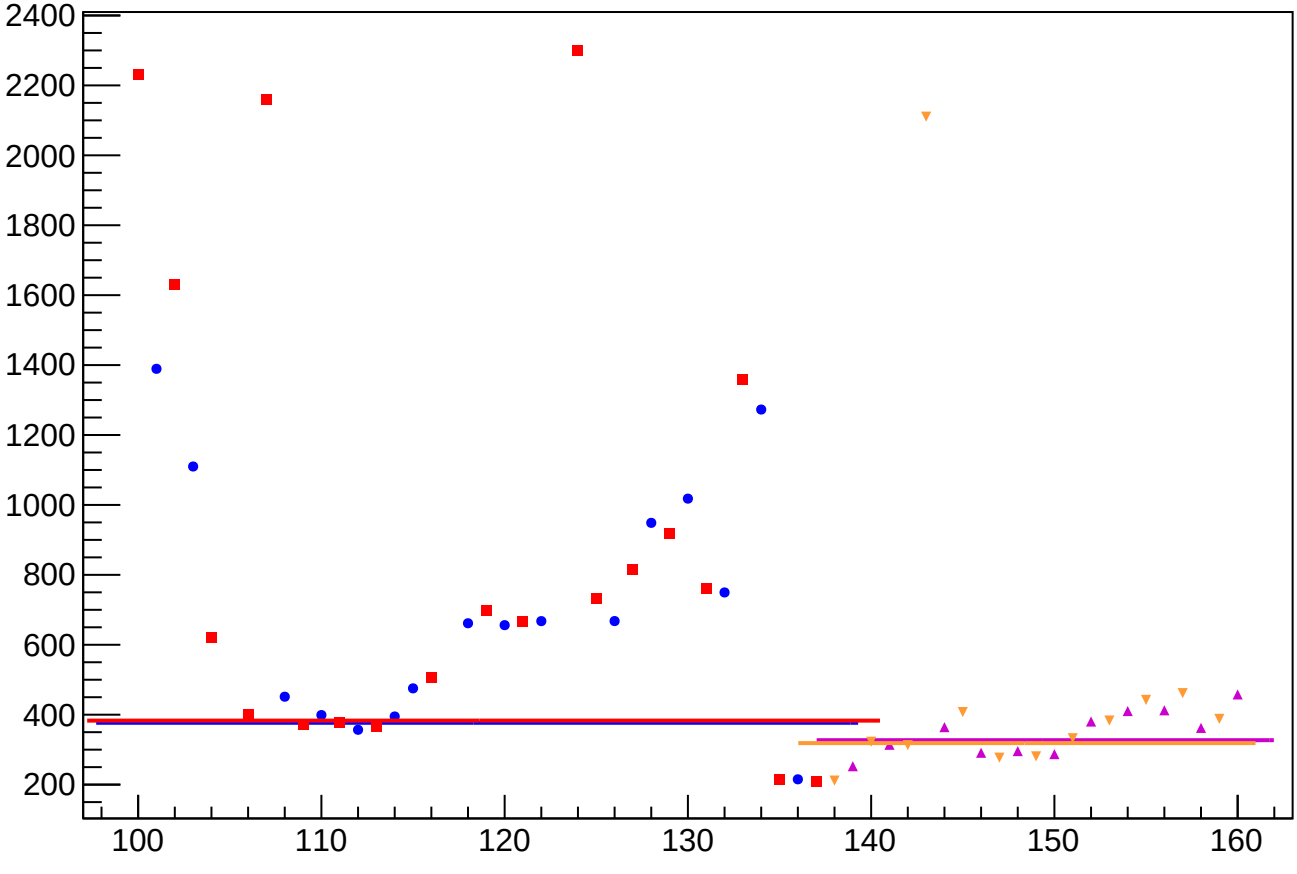
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 4.032+/-90.888 χ^2/NDF:31.0/26

Out: -115.221+/-92.221 χ^2/NDF:49.8/30

All: -54.726+/-64.734 χ^2/NDF: 81.6/57

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: 327.083+/-0.076 χ^2/NDF:568812.3/10

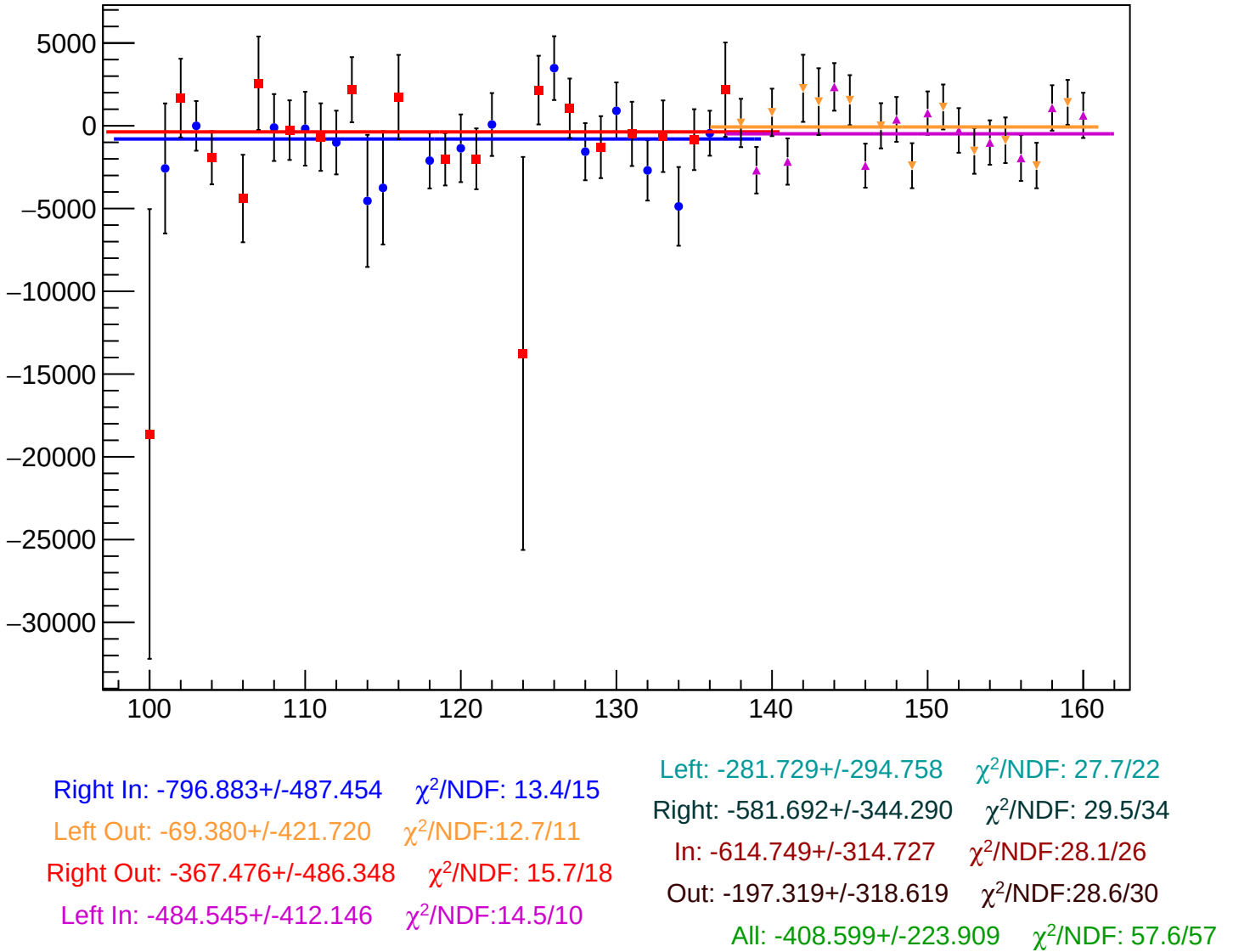
Left: 322.991+/-0.054 χ^2/NDF: 2670976.7/22

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 341.626+/-0.064 χ^2/NDF:4883182.4/26

Out: 337.777+/-0.065 χ^2/NDF:6353075.0/30

All: 339.730+/-0.046 χ^2/NDF: 11238024.3/57


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
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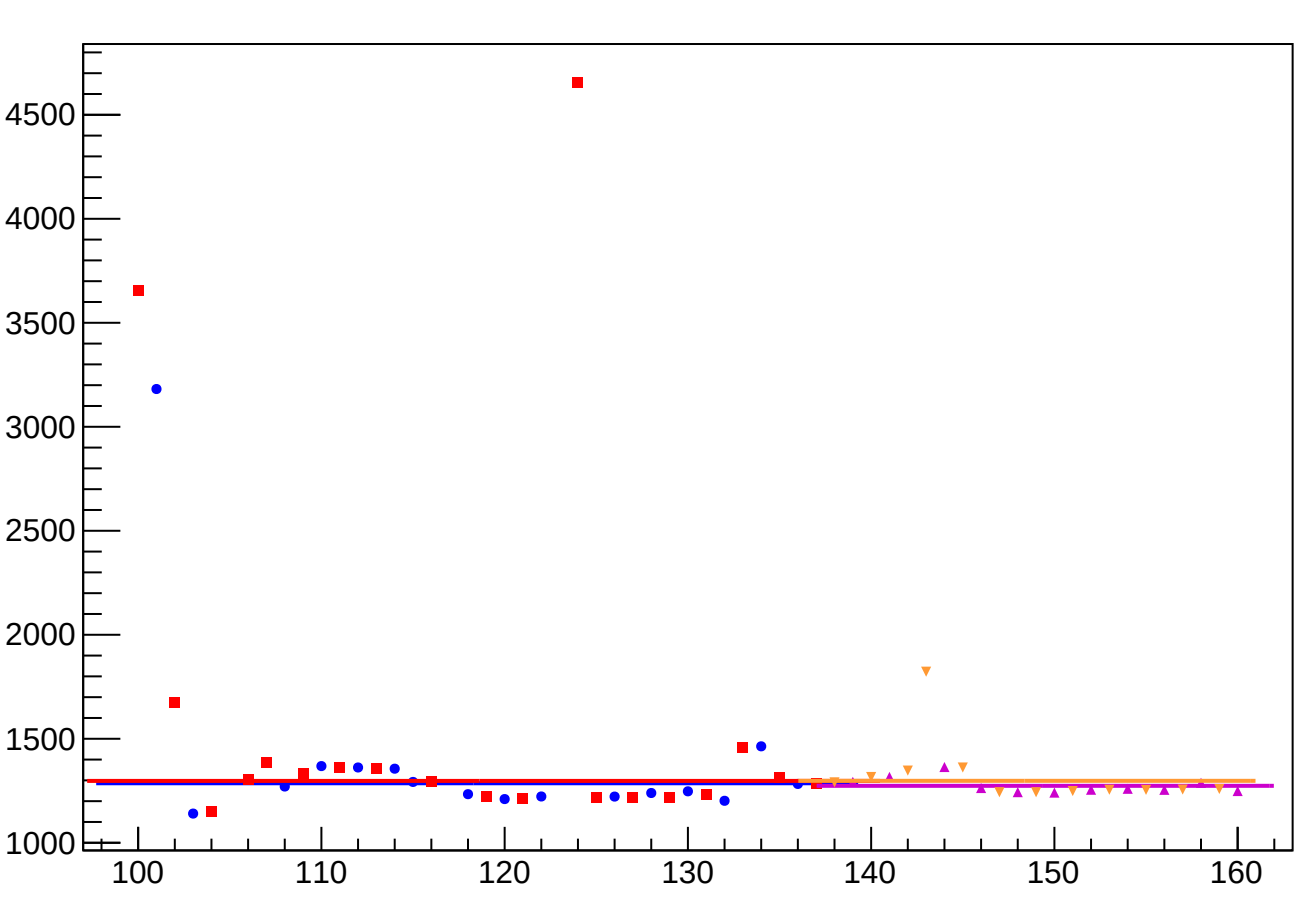
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -484.545+/-412.146 χ²/NDF:14.5/10
Left: -281.729+/-294.758 χ²/NDF: 27.7/22
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -614.749+/-314.727 χ²/NDF:28.1/26
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -408.599+/-223.909 χ²/NDF: 57.6/57



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: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1285.529+/-0.208 χ^2/NDF: 174712.4/22

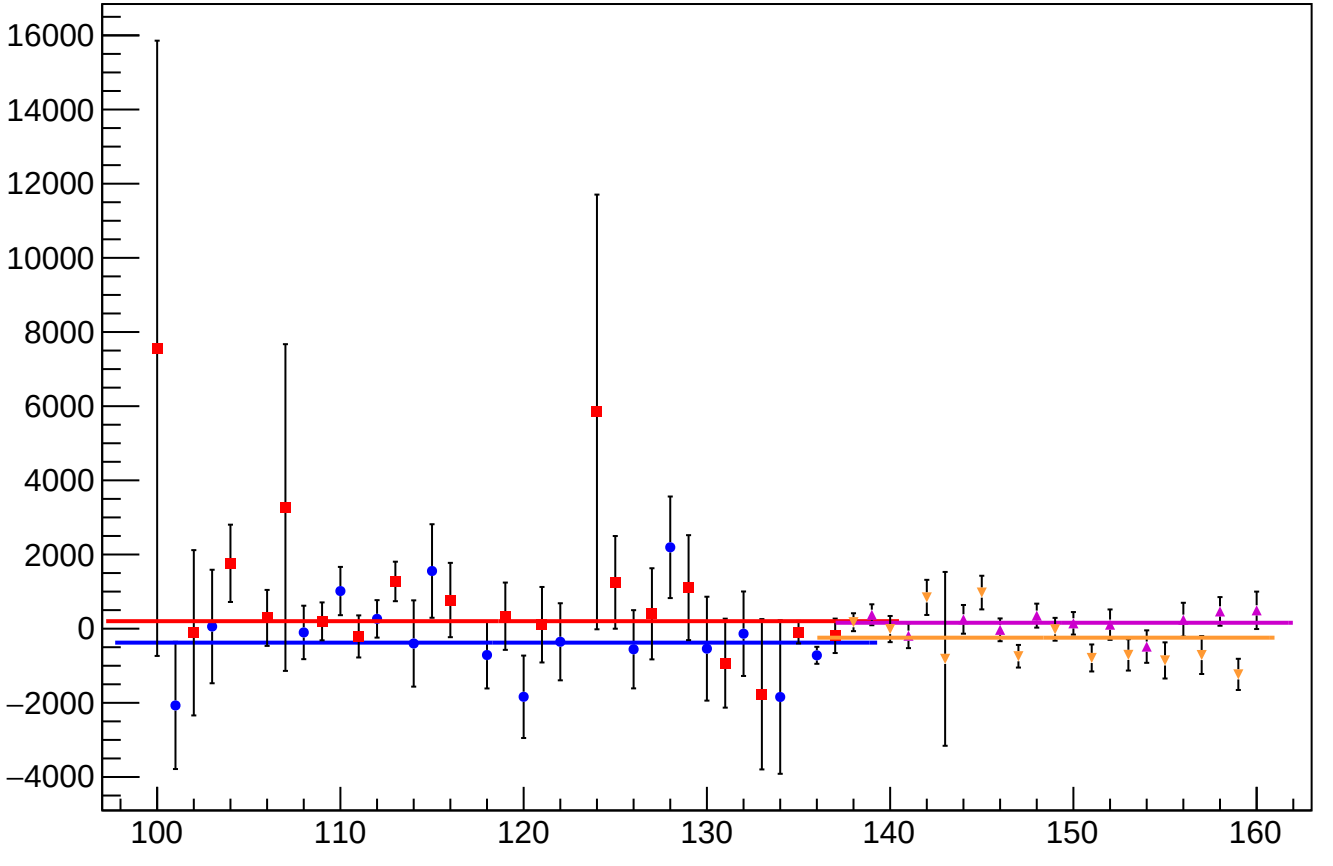
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

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: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -38.385+/-77.034 χ^2/NDF: 43.1/22

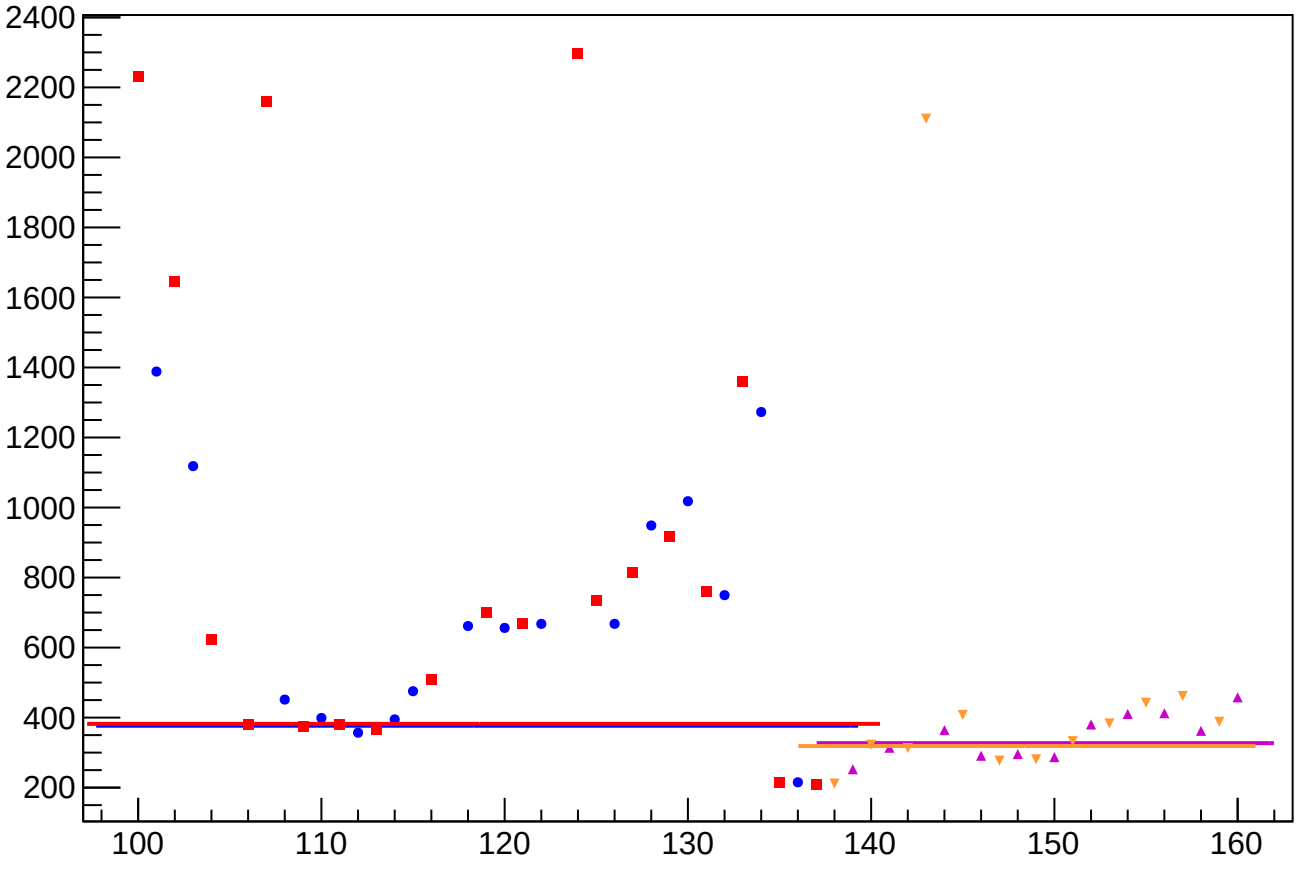
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -53.355+/-64.724 χ^2/NDF: 81.1/57

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

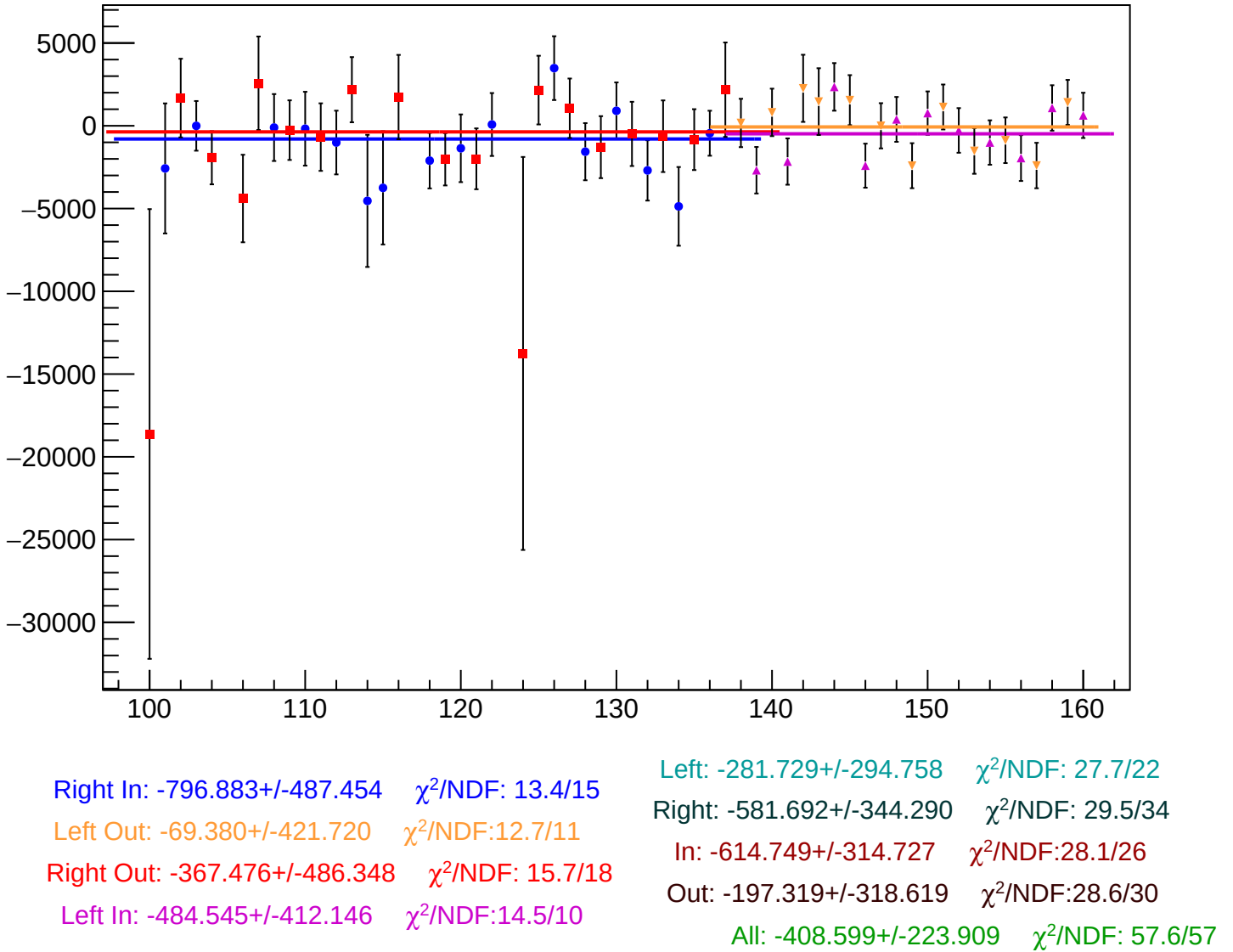
Left: 322.995+/-0.054 χ^2/NDF: 2670967.9/22

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
−30000
100
110
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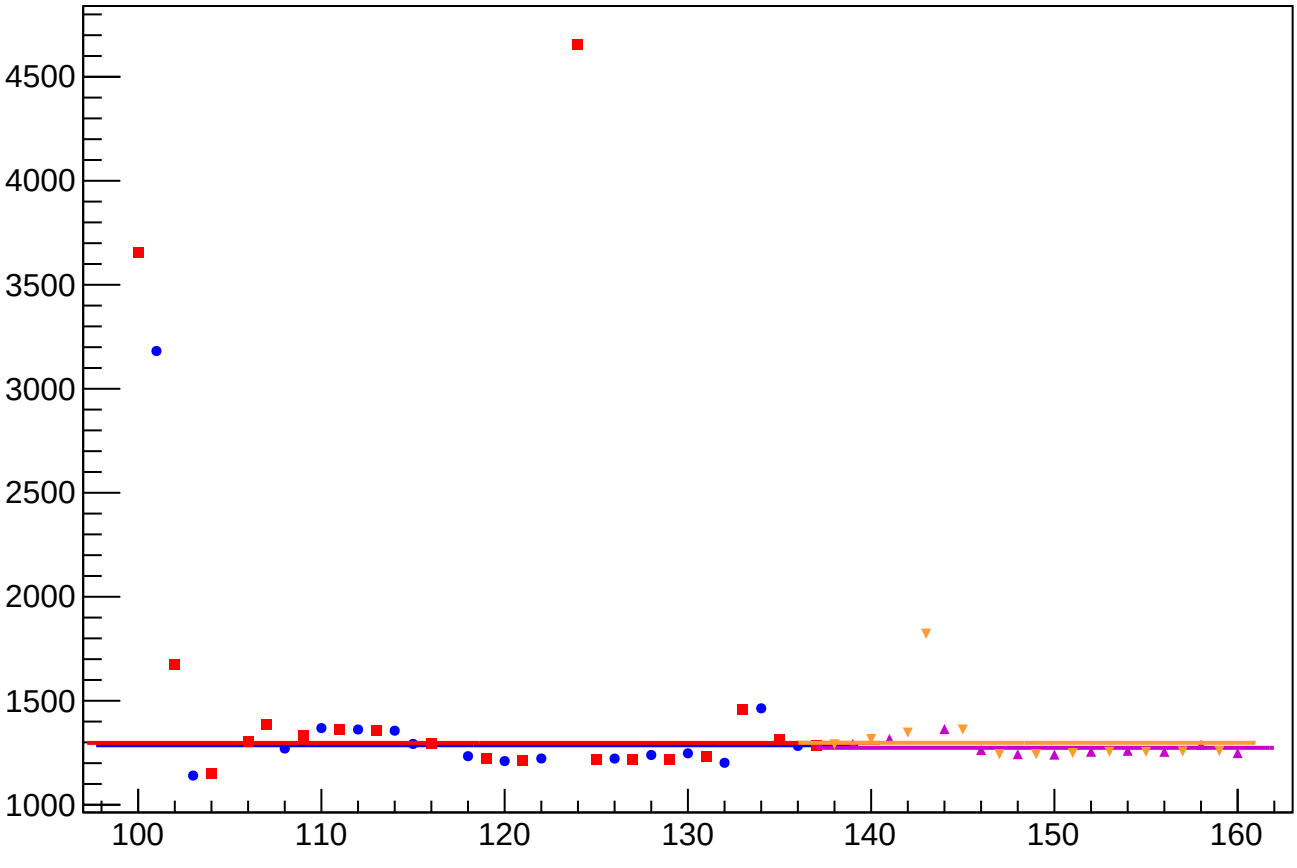
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -484.545+/-412.146 χ²/NDF:14.5/10
Left: -281.729+/-294.758 χ²/NDF: 27.7/22
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -614.749+/-314.727 χ²/NDF:28.1/26
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -408.599+/-223.909 χ²/NDF: 57.6/57



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: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1285.529+/-0.208 χ^2/NDF: 174712.4/22

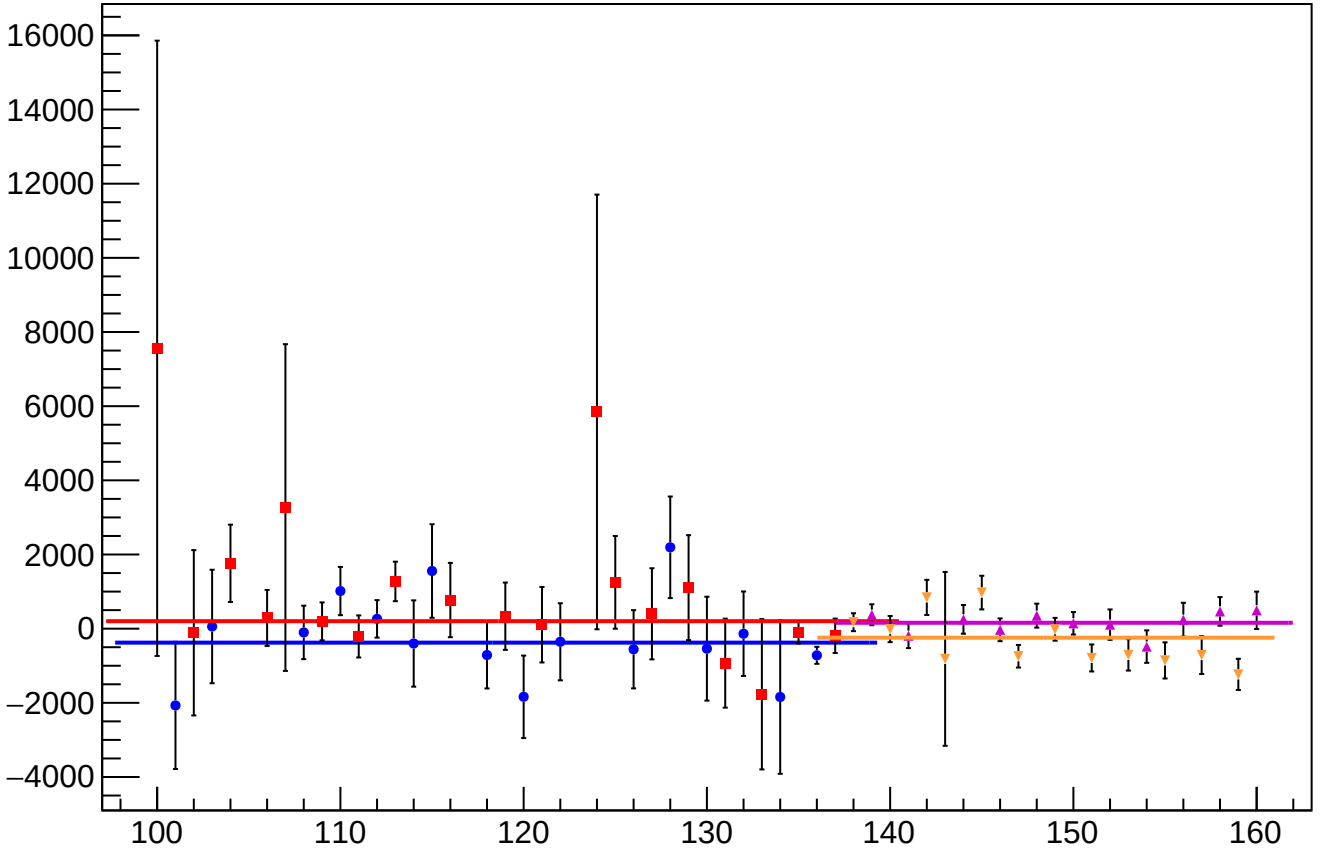
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

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: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -38.385+/-77.034 χ^2/NDF: 43.1/22

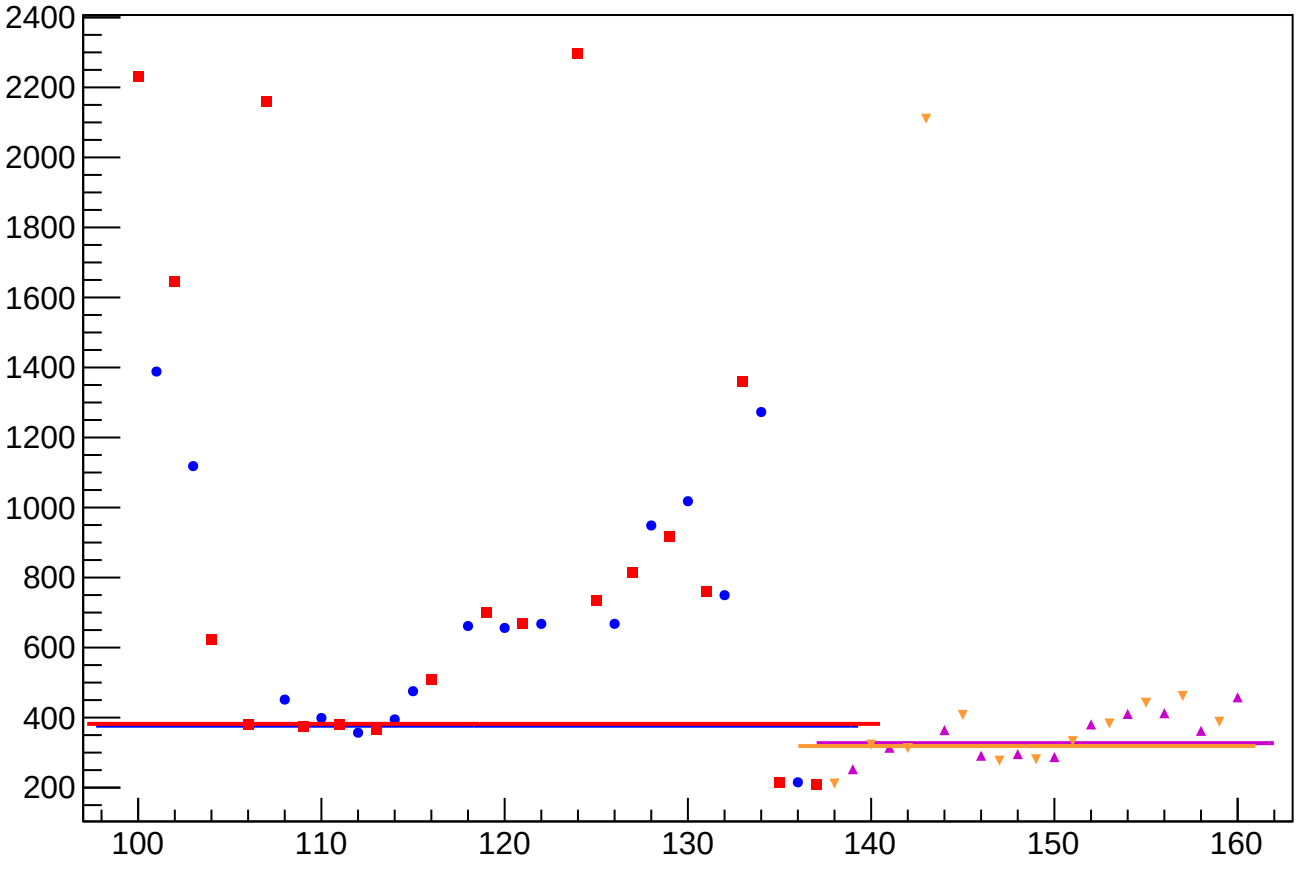
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -53.355+/-64.724 χ^2/NDF: 81.1/57

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: 327.082+/-0.076 χ^2/NDF:568907.4/10

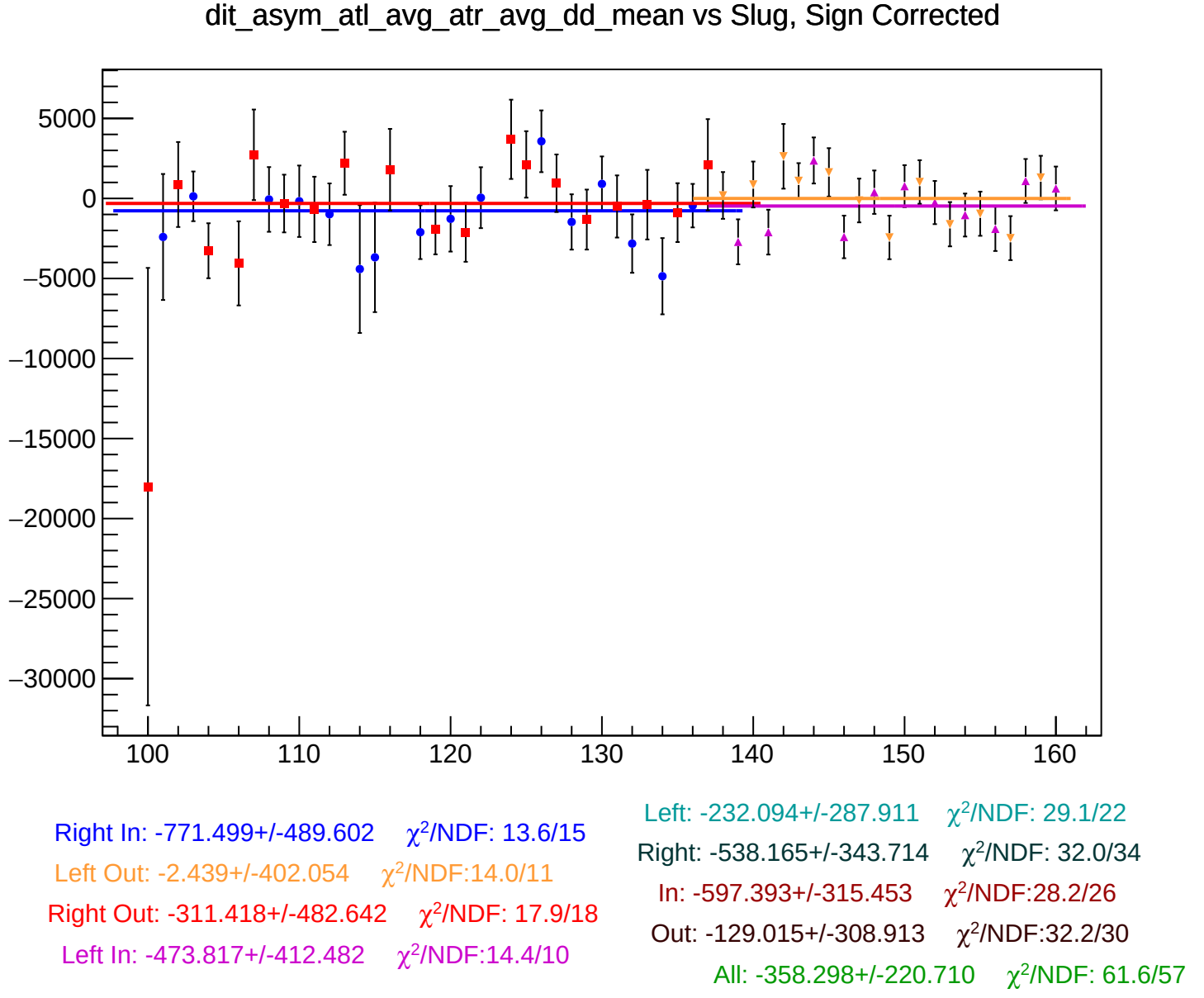
Left: 322.995+/-0.054 χ^2/NDF: 2670967.9/22

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
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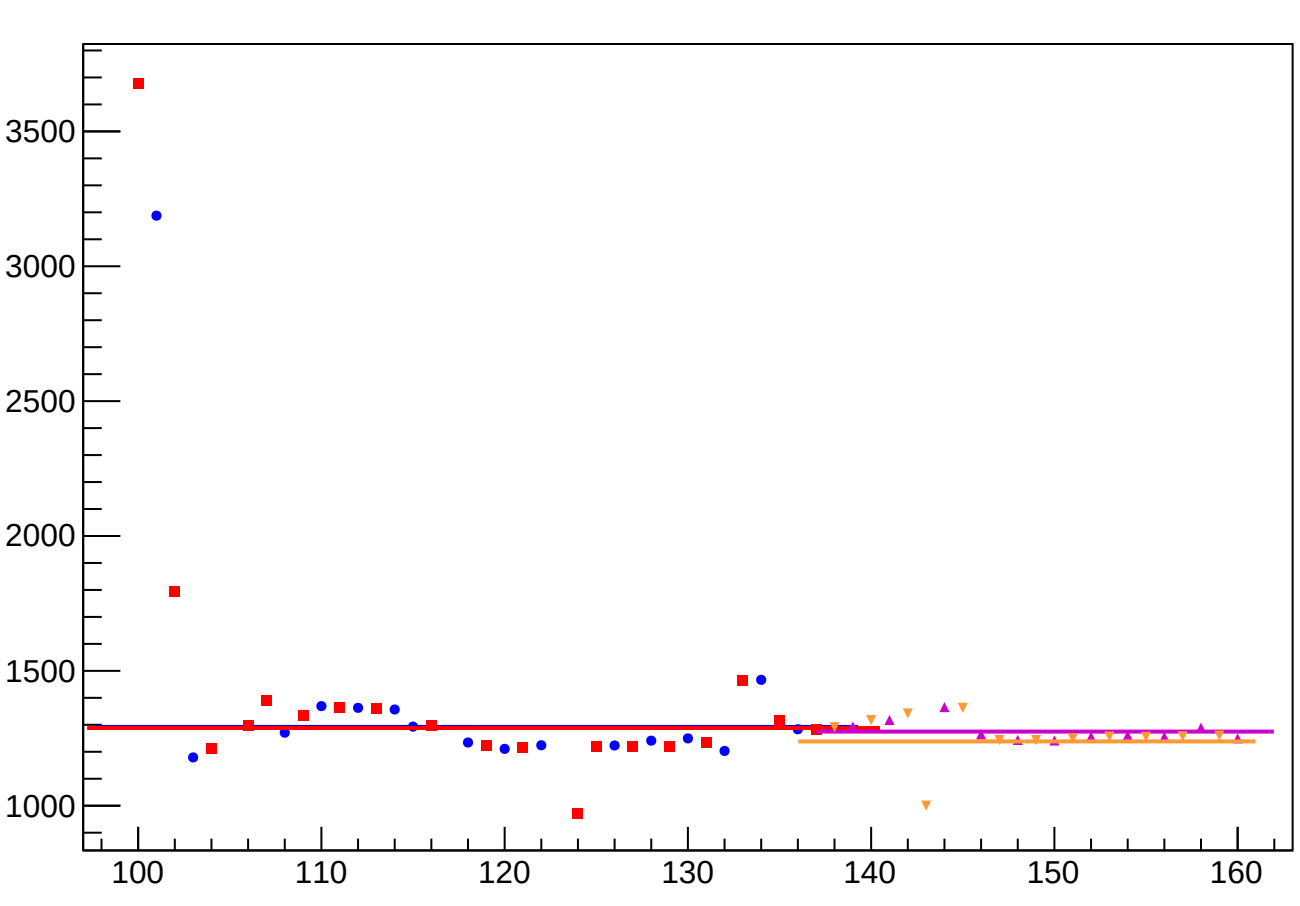
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -2.439+/-402.054 χ²/NDF:14.0/11
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -473.817+/-412.482 χ²/NDF:14.4/10
Left: -232.094+/-287.911 χ²/NDF: 29.1/22
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -597.393+/-315.453 χ²/NDF:28.2/26
Out: -129.015+/-308.913 χ²/NDF:32.2/30
All: -358.298+/-220.710 χ²/NDF: 61.6/57



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: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1256.153+/-0.204 χ^2/NDF: 144143.5/22

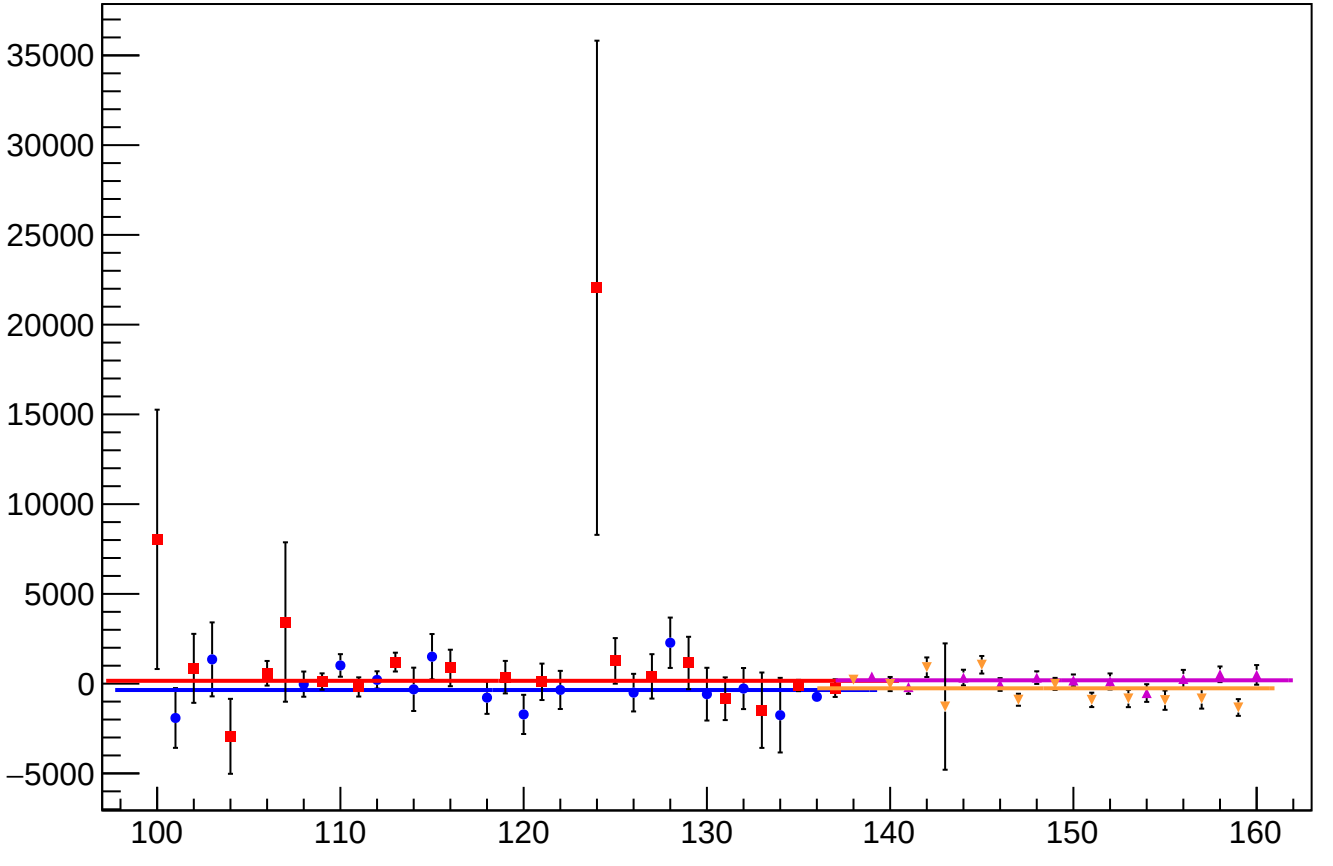
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.722+/-0.218 χ^2/NDF:343313.7/30

All: 1270.103+/-0.156 χ^2/NDF: 874214.8/57

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: 186.432+/-117.842 χ^2/NDF:5.3/10

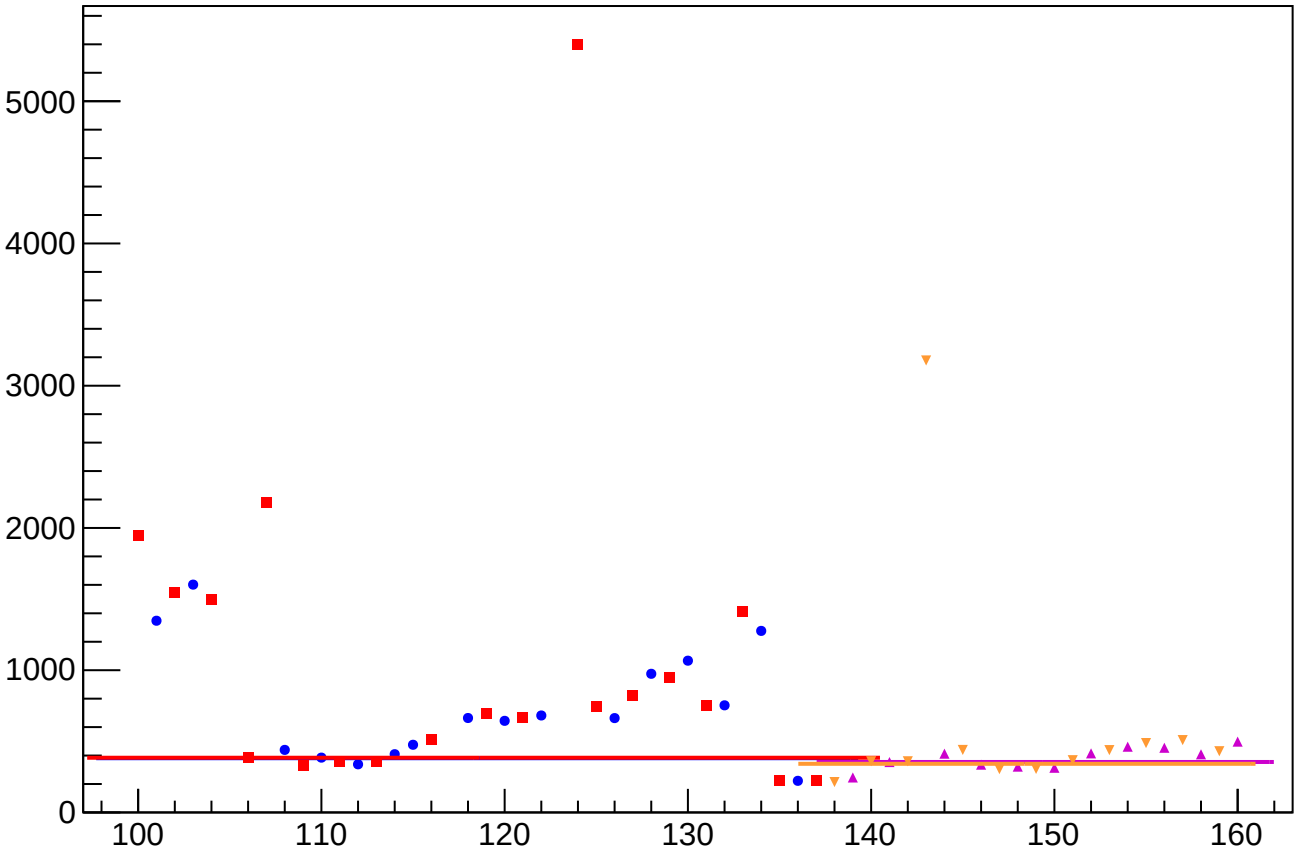
Left: -34.280+/-83.772 χ^2/NDF: 44.4/22

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 10.591+/-96.844 χ^2/NDF:30.6/26

Out: -121.871+/-97.486 χ^2/NDF:51.9/30

All: -55.202+/-68.705 χ^2/NDF: 83.5/57



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: 354.877+/-0.083 χ^2/NDF:775905.4/10

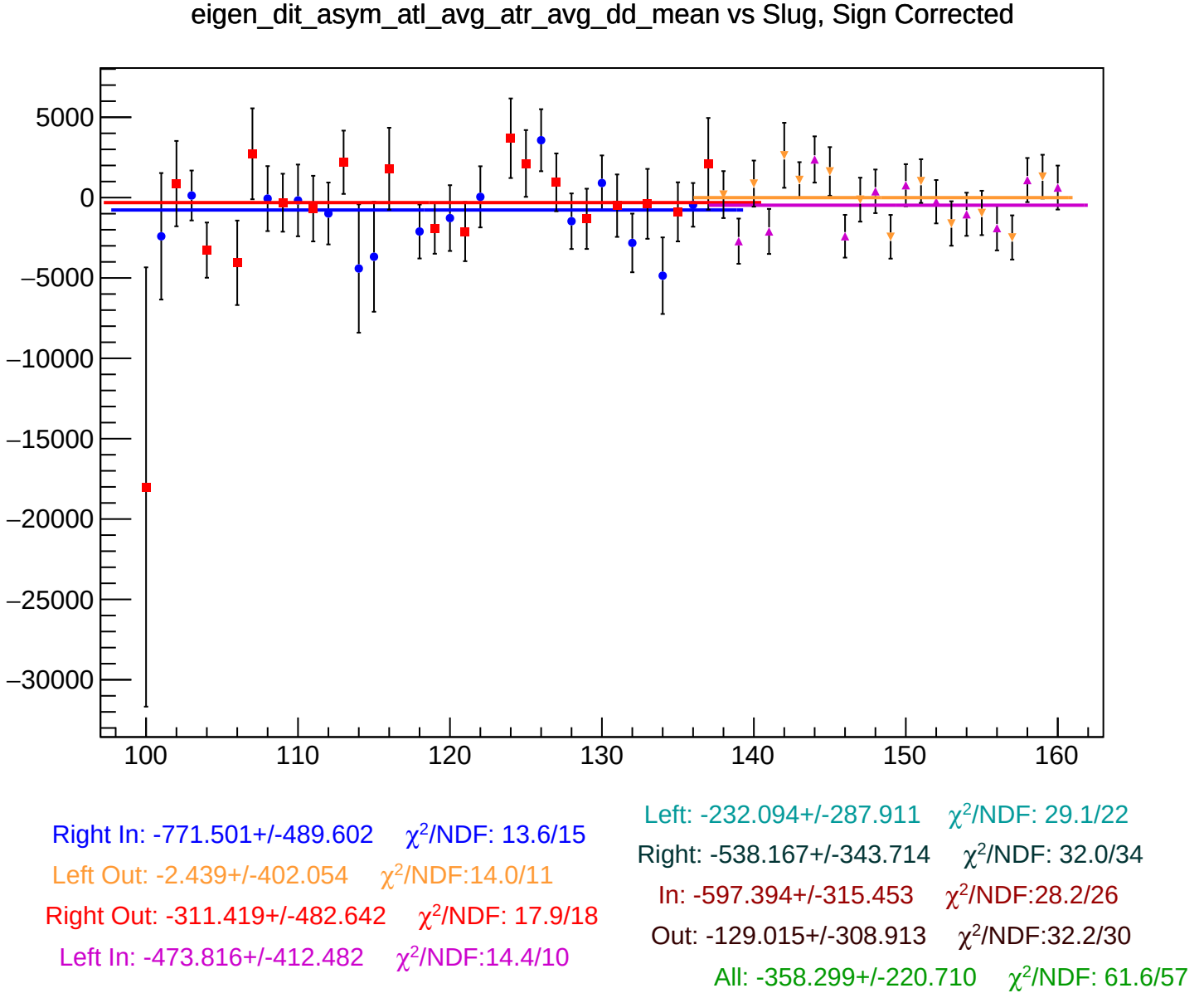
Left: 348.518+/-0.059 χ^2/NDF: 3257119.9/22

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 363.471+/-0.068 χ^2/NDF:5126592.3/26

Out: 356.096+/-0.069 χ^2/NDF:7114223.4/30

All: 359.808+/-0.049 χ^2/NDF: 12246576.8/57


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−5000
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−15000
−20000
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−30000
100
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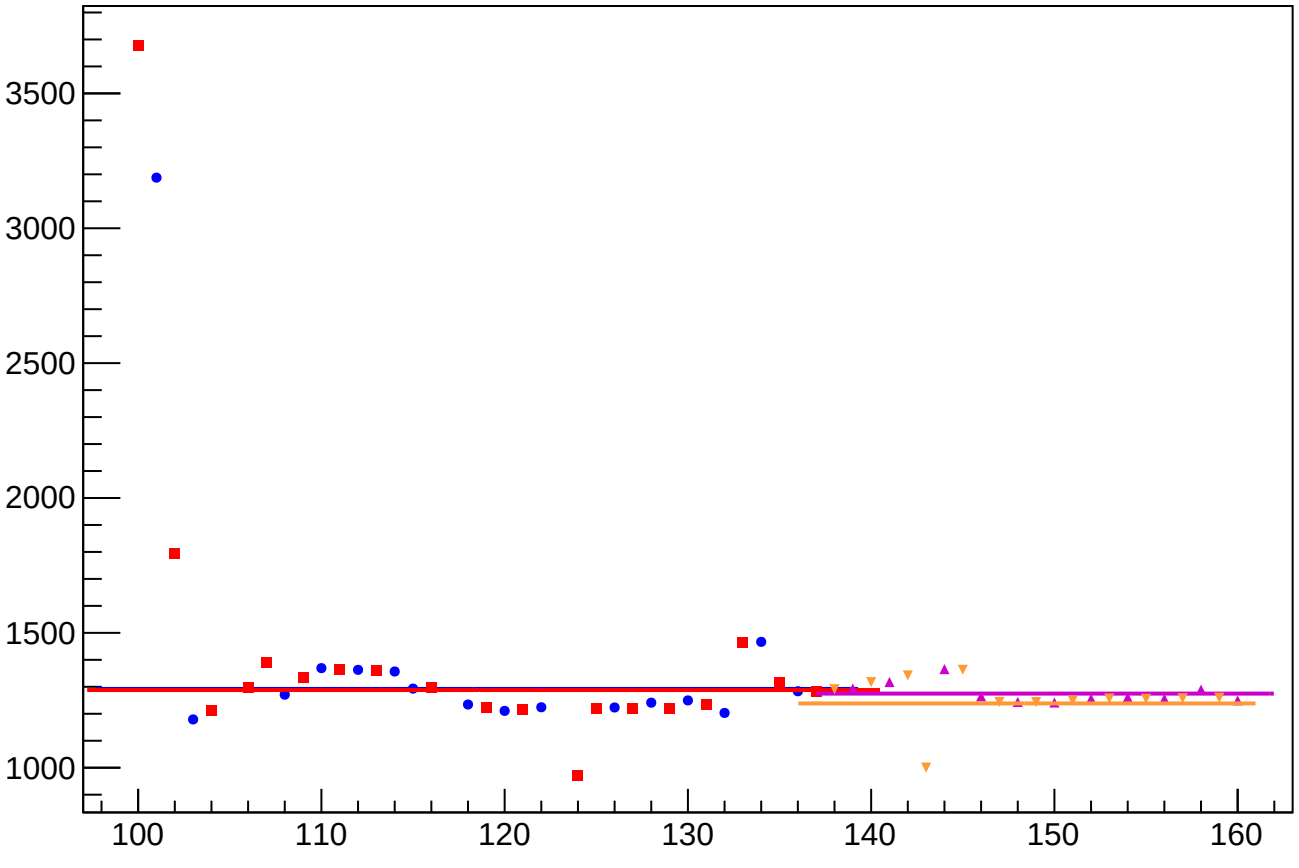
140
150
160
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -2.439+/-402.054 χ²/NDF:14.0/11
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -473.816+/-412.482 χ²/NDF:14.4/10
Left: -232.094+/-287.911 χ²/NDF: 29.1/22
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -597.394+/-315.453 χ²/NDF:28.2/26
Out: -129.015+/-308.913 χ²/NDF:32.2/30
All: -358.299+/-220.710 χ²/NDF: 61.6/57



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: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1256.153+/-0.204 χ^2/NDF: 144142.7/22

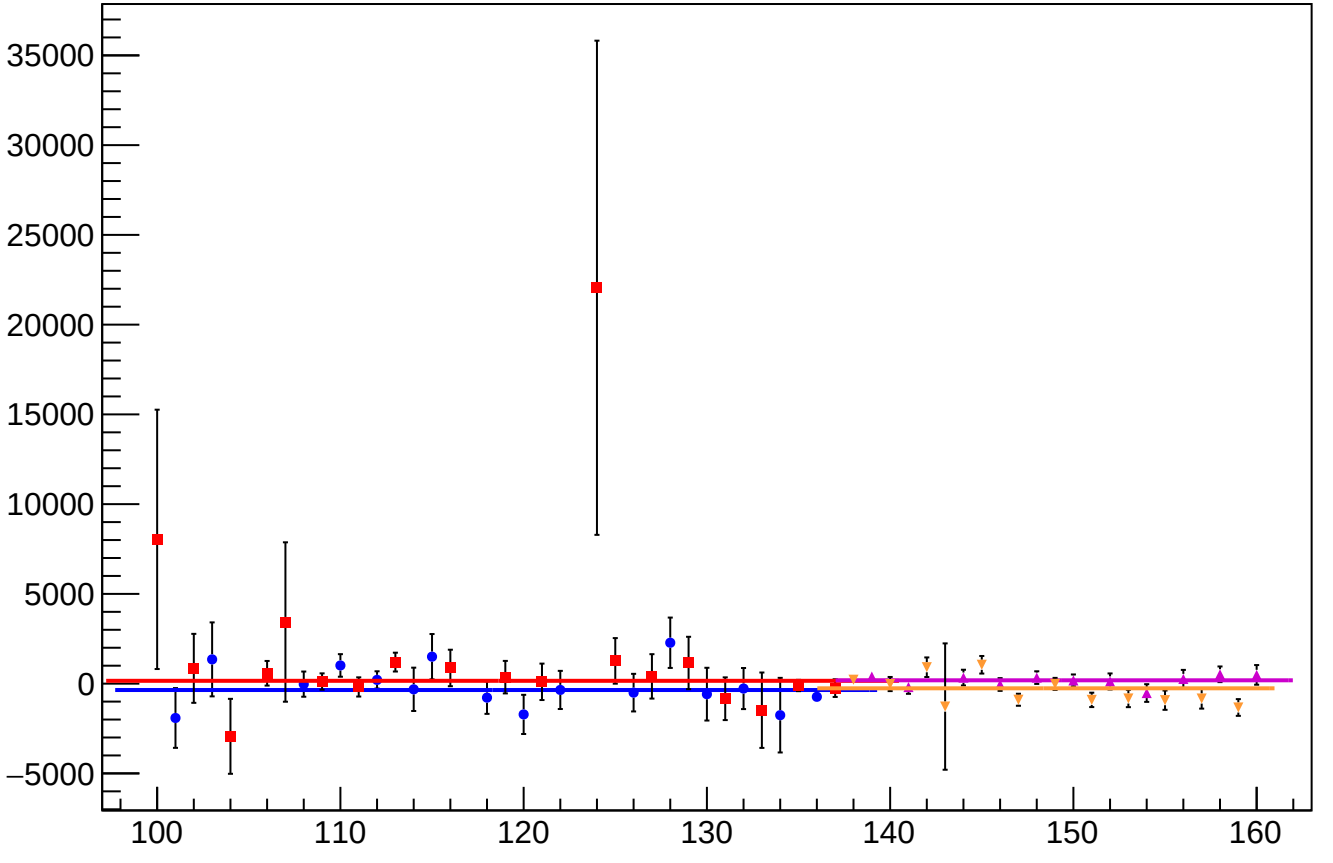
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.722+/-0.218 χ^2/NDF:343313.1/30

All: 1270.103+/-0.156 χ^2/NDF: 874214.1/57

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: 186.432+/-117.844 χ^2/NDF:5.3/10

Left: -34.284+/-83.773 χ^2/NDF: 44.4/22

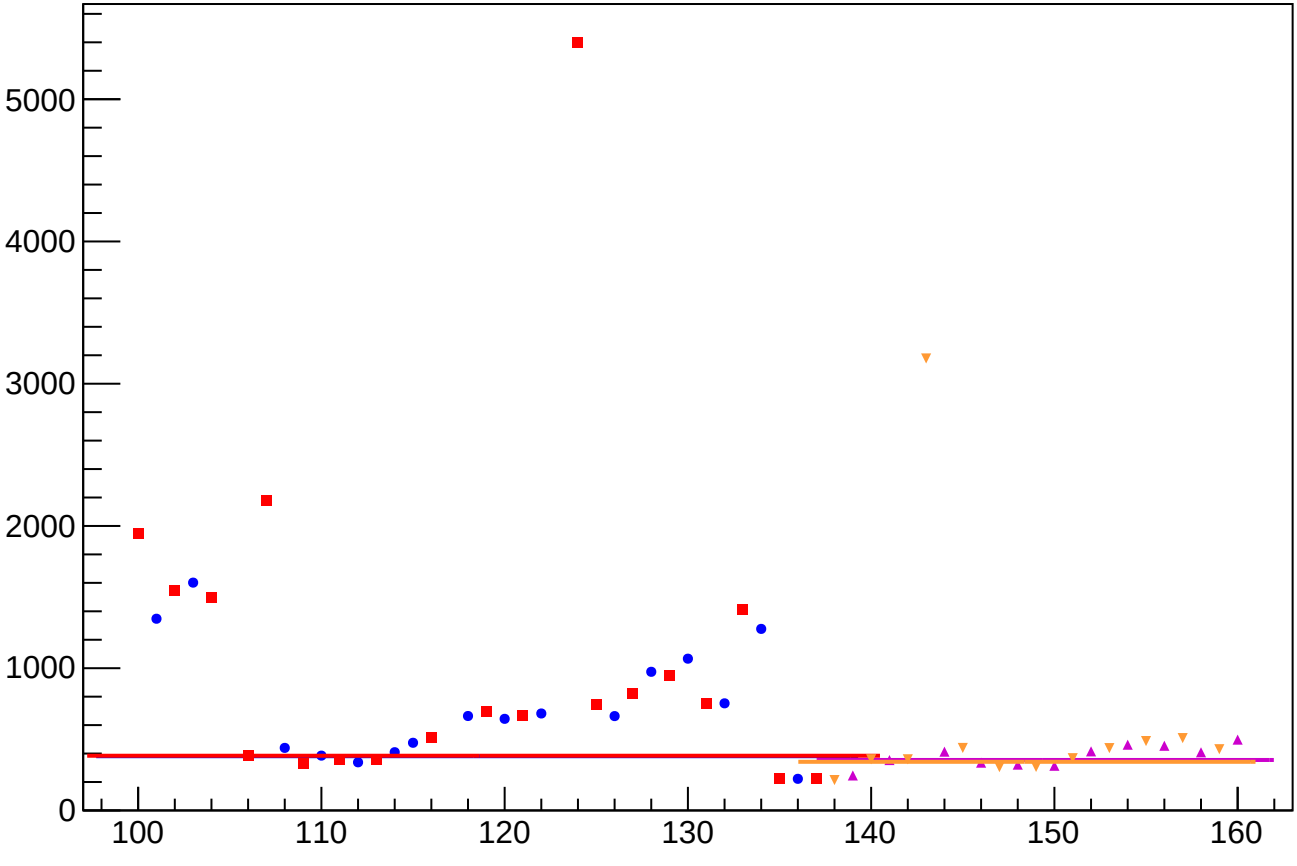
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 10.593+/-96.845 χ^2/NDF:30.6/26

Out: -121.876+/-97.488 χ^2/NDF:51.9/30

All: -55.203+/-68.706 χ^2/NDF: 83.5/57

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: 354.882+/-0.083 χ^2/NDF:775808.4/10

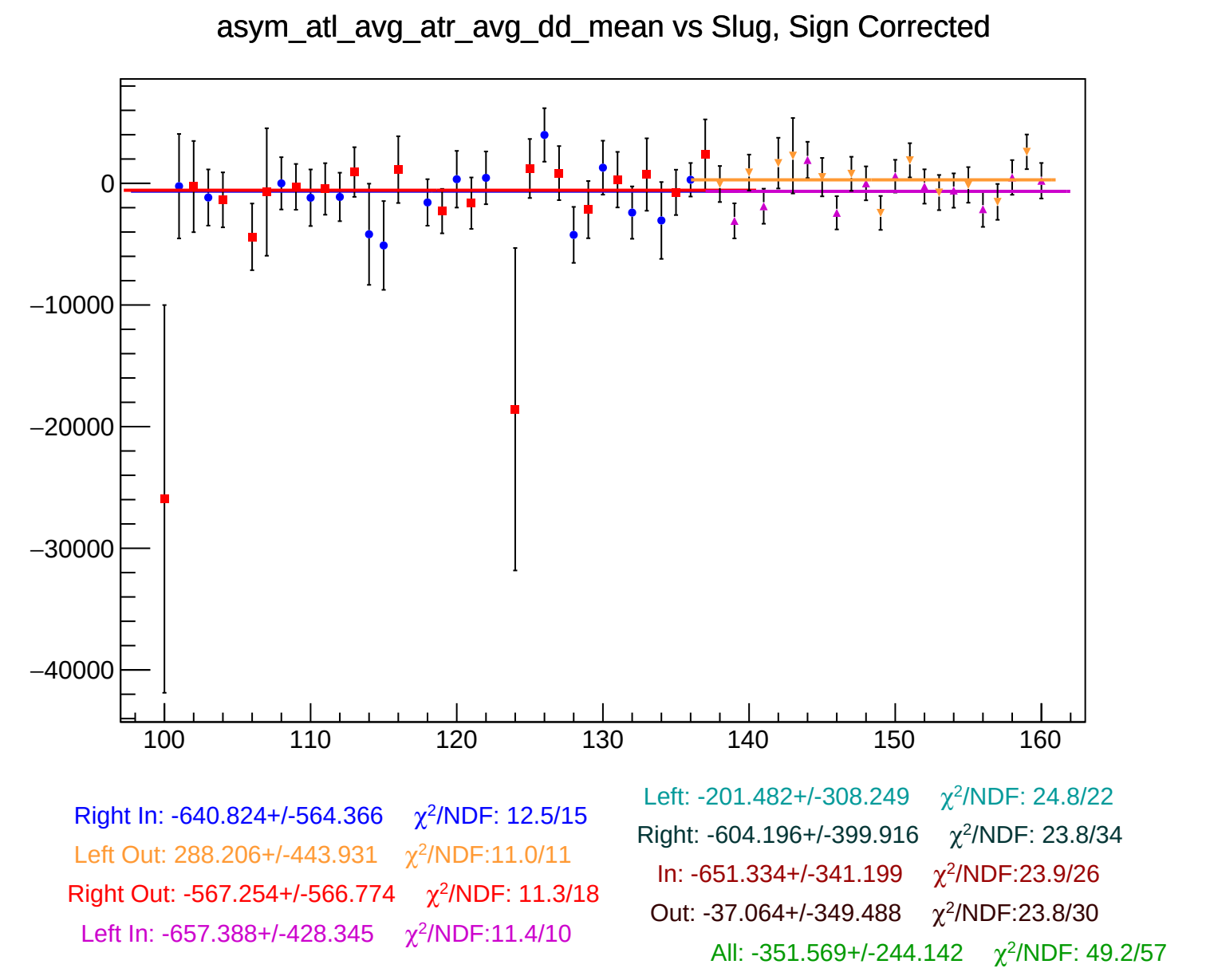
Left: 348.524+/-0.059 χ^2/NDF: 3256857.8/22

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 363.477+/-0.068 χ^2/NDF:5126321.9/26

Out: 356.103+/-0.069 χ^2/NDF:7113923.4/30

All: 359.814+/-0.049 χ^2/NDF: 12246004.8/57


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
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−30000
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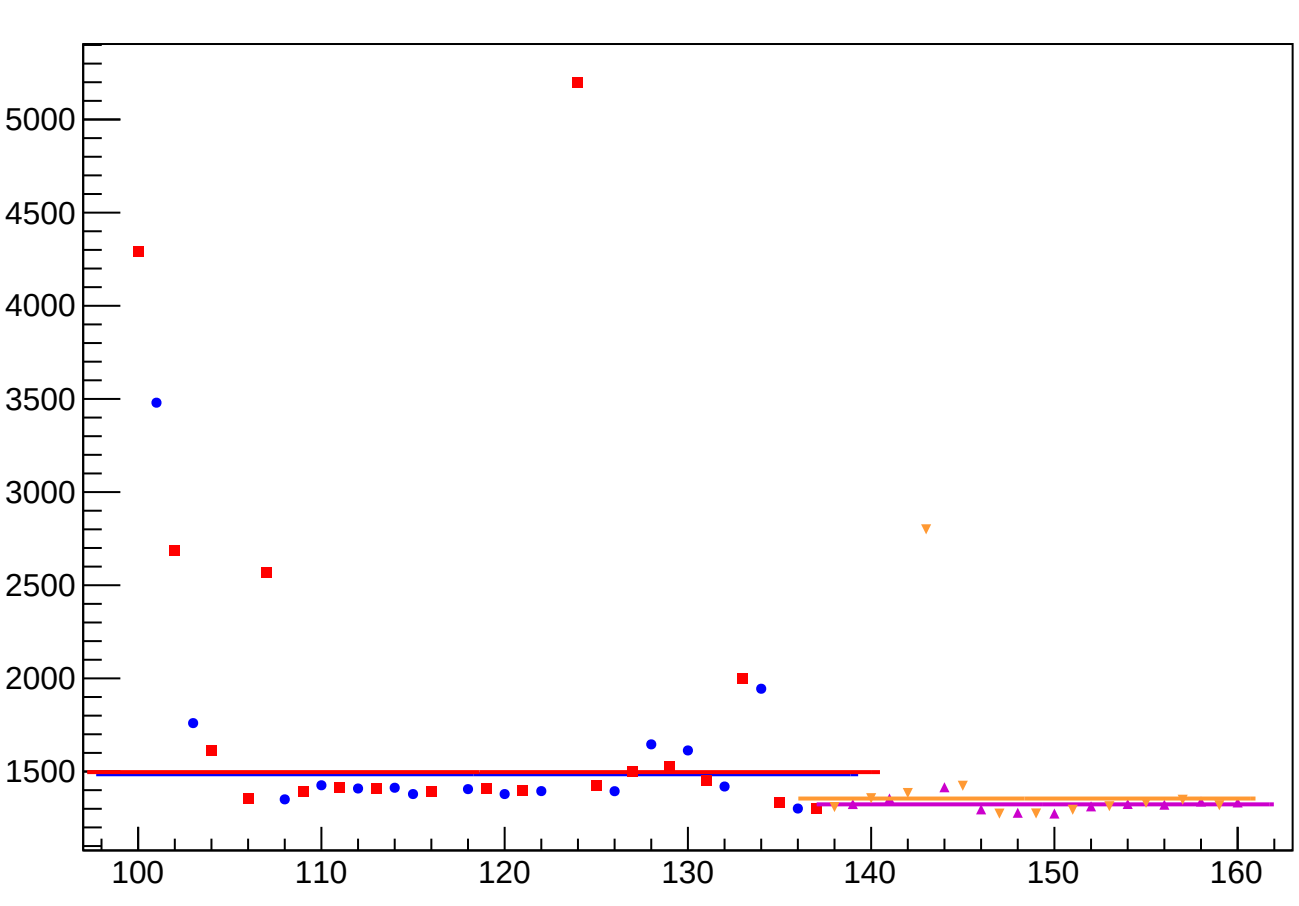
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 288.206+/-443.931 χ²/NDF:11.0/11
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -657.388+/-428.345 χ²/NDF:11.4/10
Left: -201.482+/-308.249 χ²/NDF: 24.8/22
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -651.334+/-341.199 χ²/NDF:23.9/26
Out: -37.064+/-349.488 χ²/NDF:23.8/30
All: -351.569+/-244.142 χ²/NDF: 49.2/57



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: 1323.807+/-0.303 χ^2/NDF:14526.0/10

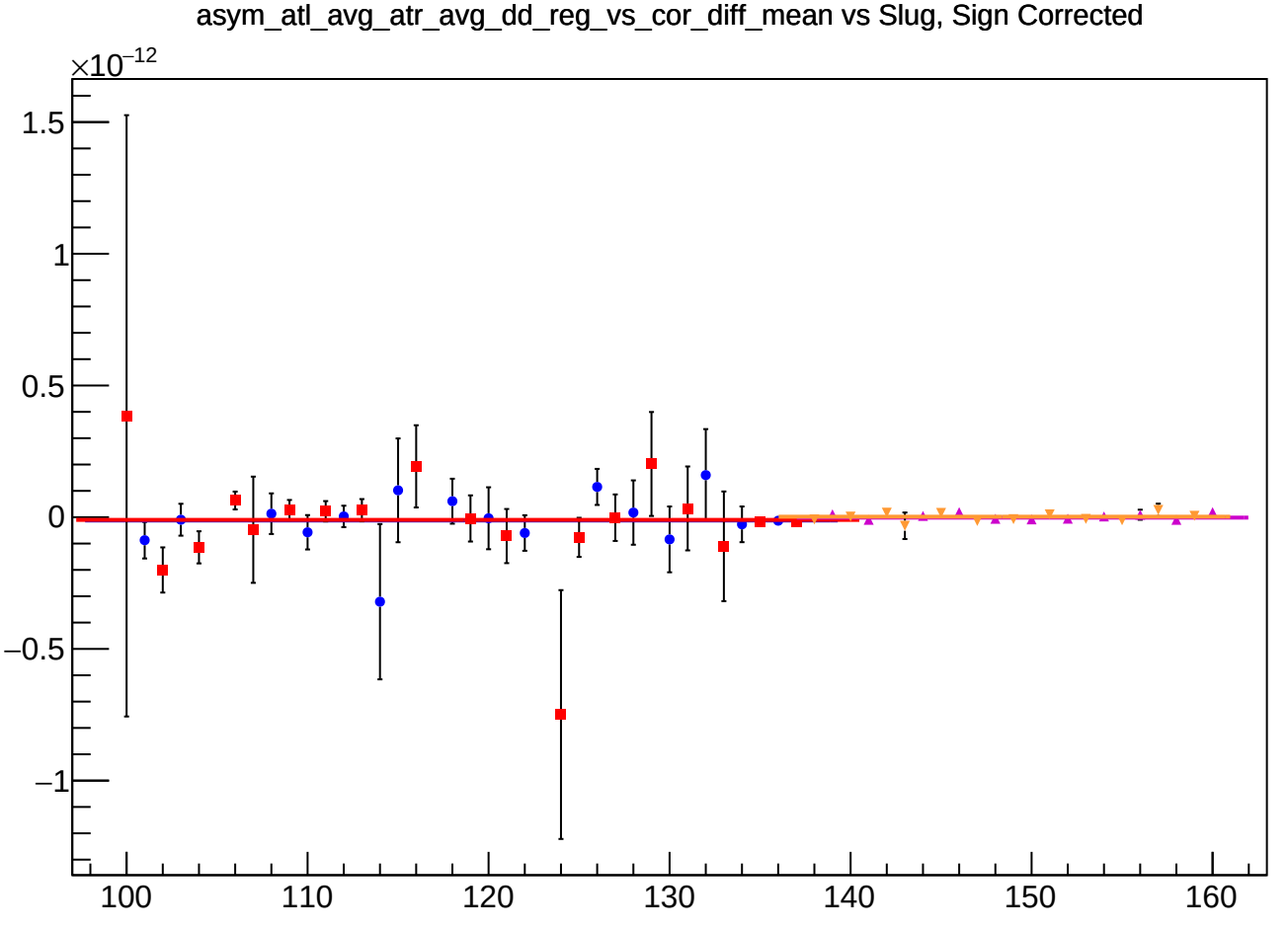
Left: 1338.868+/-0.218 χ^2/NDF: 479852.0/22

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1382.859+/-0.241 χ^2/NDF:702993.4/26

Out: 1408.969+/-0.247 χ^2/NDF:1161102.0/30

All: 1395.601+/-0.173 χ^2/NDF: 1869810.8/57



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:12.9/10

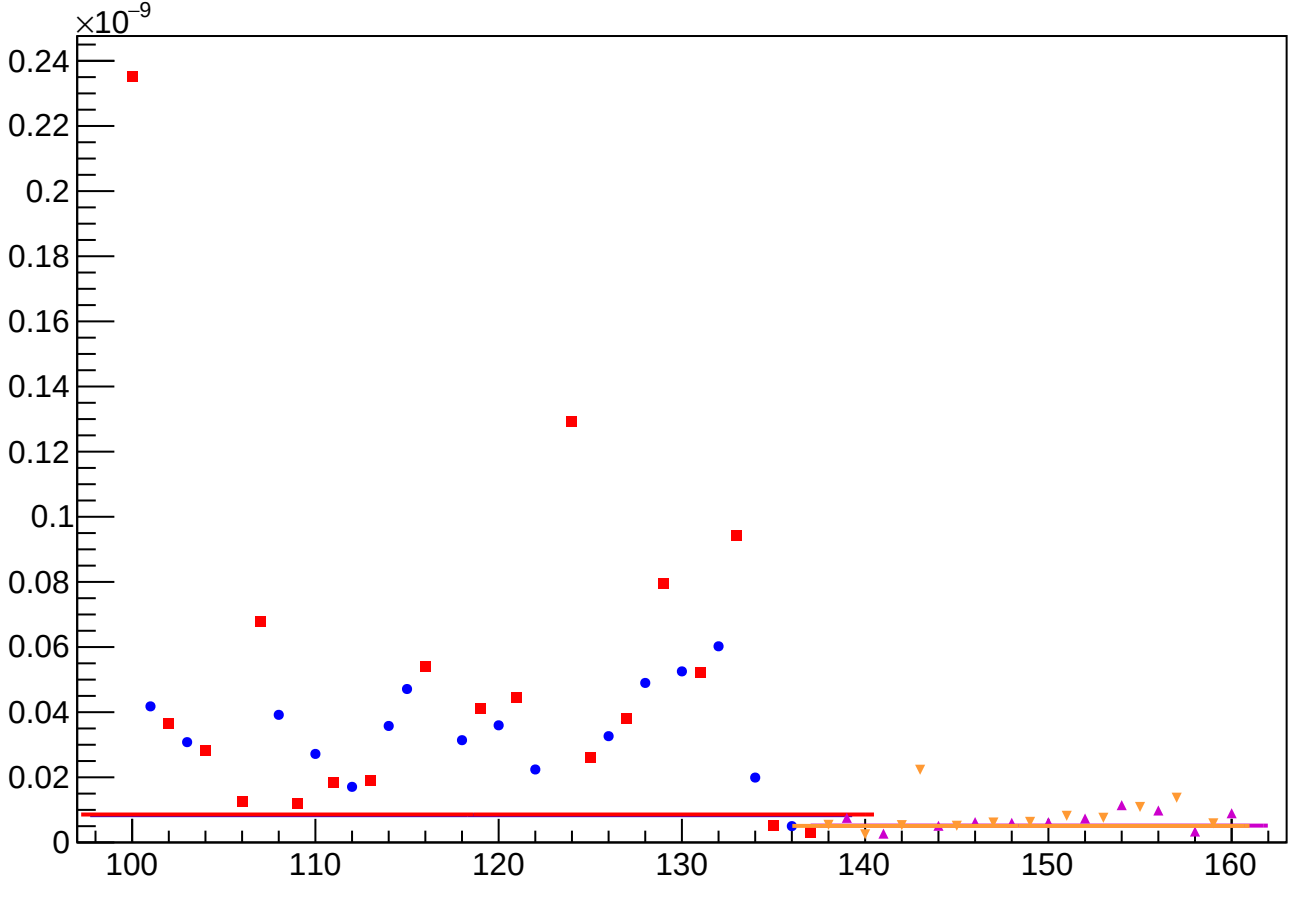
Left: 0.000+/-0.000 χ^2/NDF: 25.7/22

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.1/26

Out: 0.000+/-0.000 χ^2/NDF:36.4/30

All: -0.000+/-0.000 χ^2/NDF: 61.4/57



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:1207527.3/10

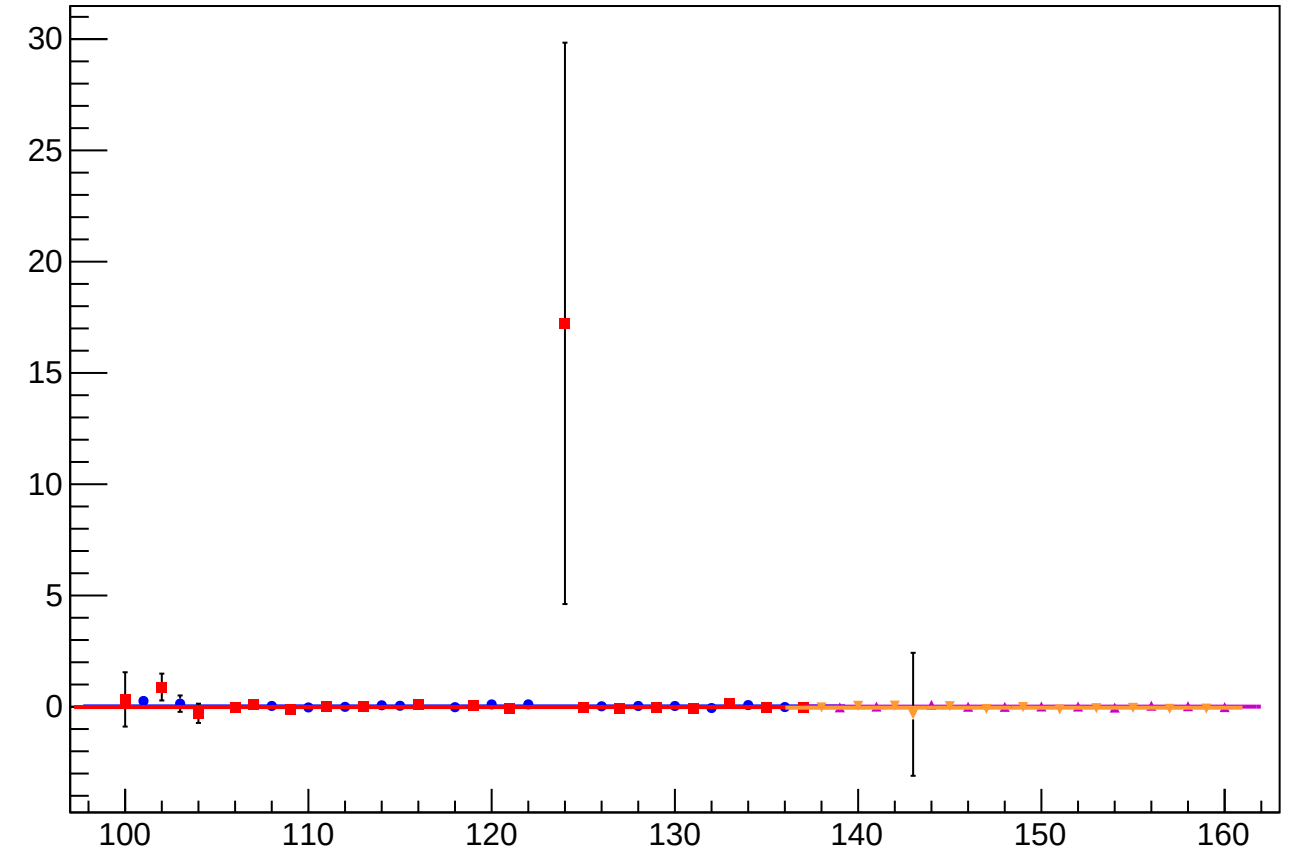
Left: 0.000+/-0.000 χ^2/NDF: 2743066.4/22

Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4591650.6/26

Out: 0.000+/-0.000 χ^2/NDF:5219662.2/30

All: 0.000+/-0.000 χ^2/NDF: 9812826.6/57



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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

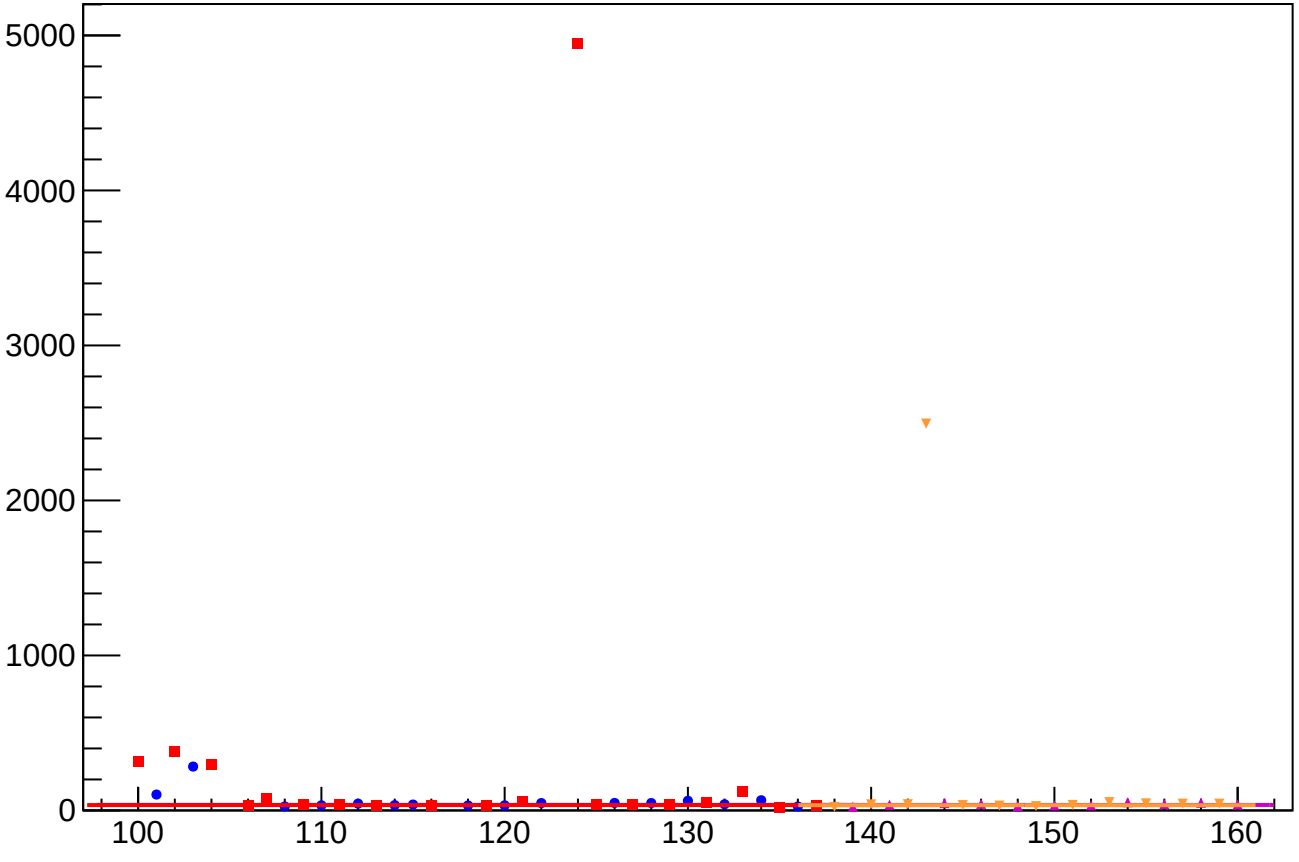
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

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: 35.469+/-0.009 χ^2/NDF:922702.9/10

Left: 34.702+/-0.006 χ^2/NDF: 3463798.5/22

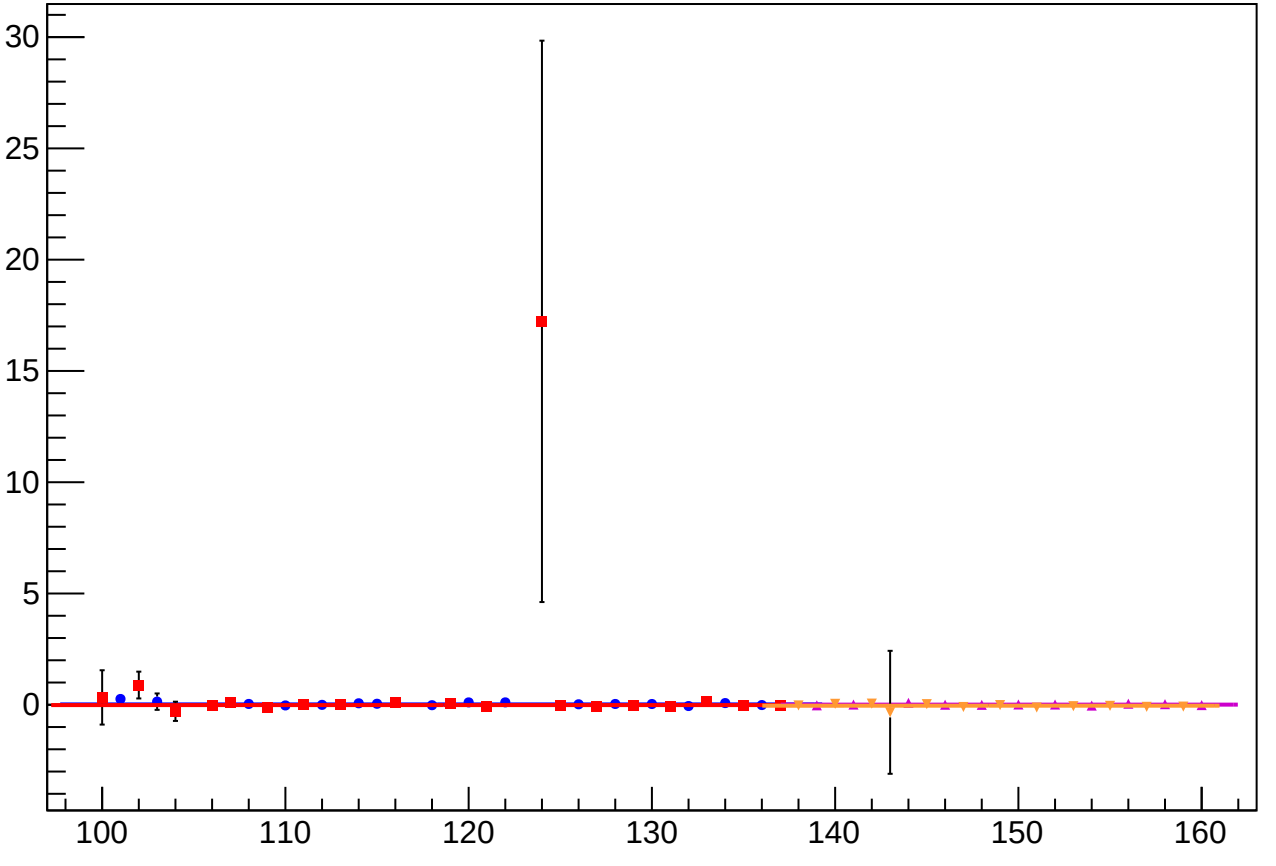
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

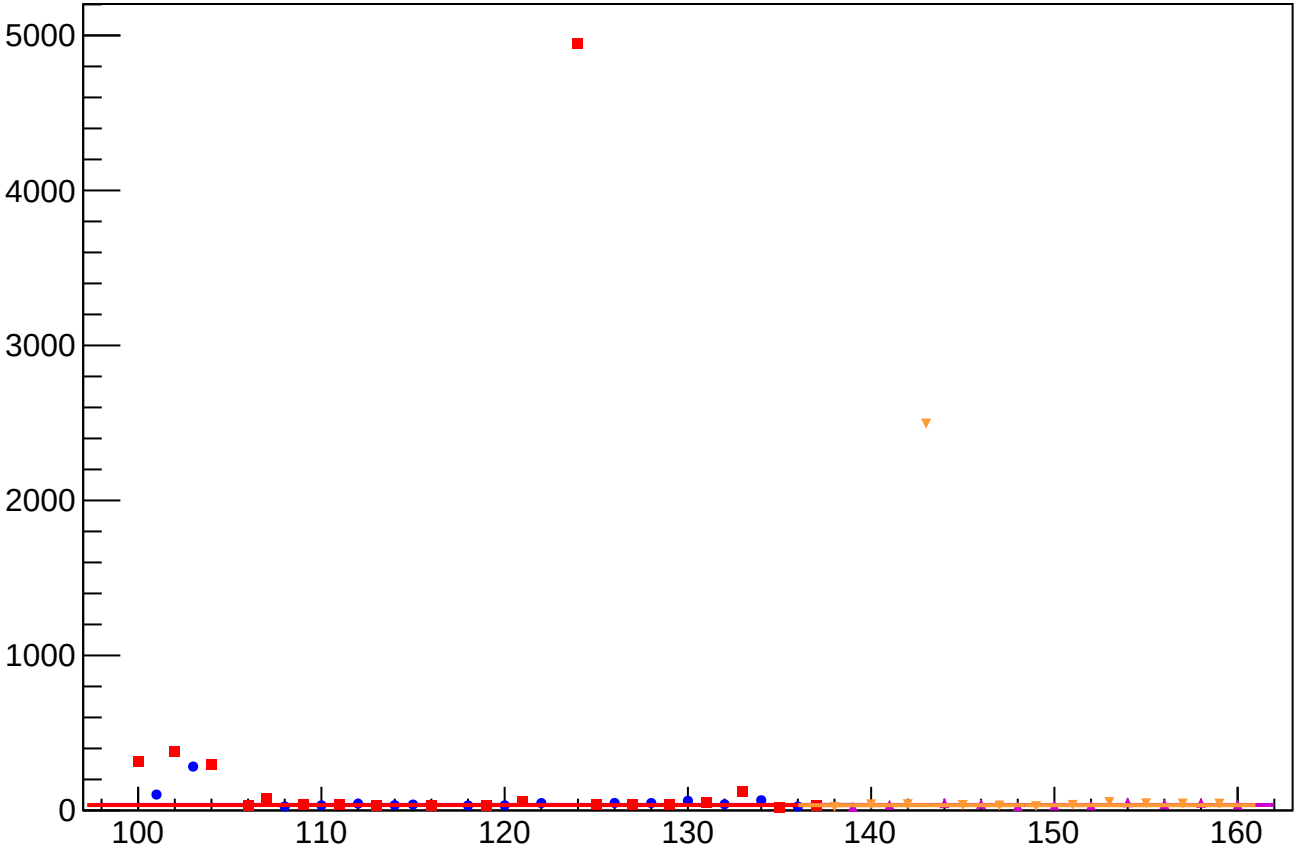
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

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: 35.469+/-0.009 χ^2/NDF:922702.9/10

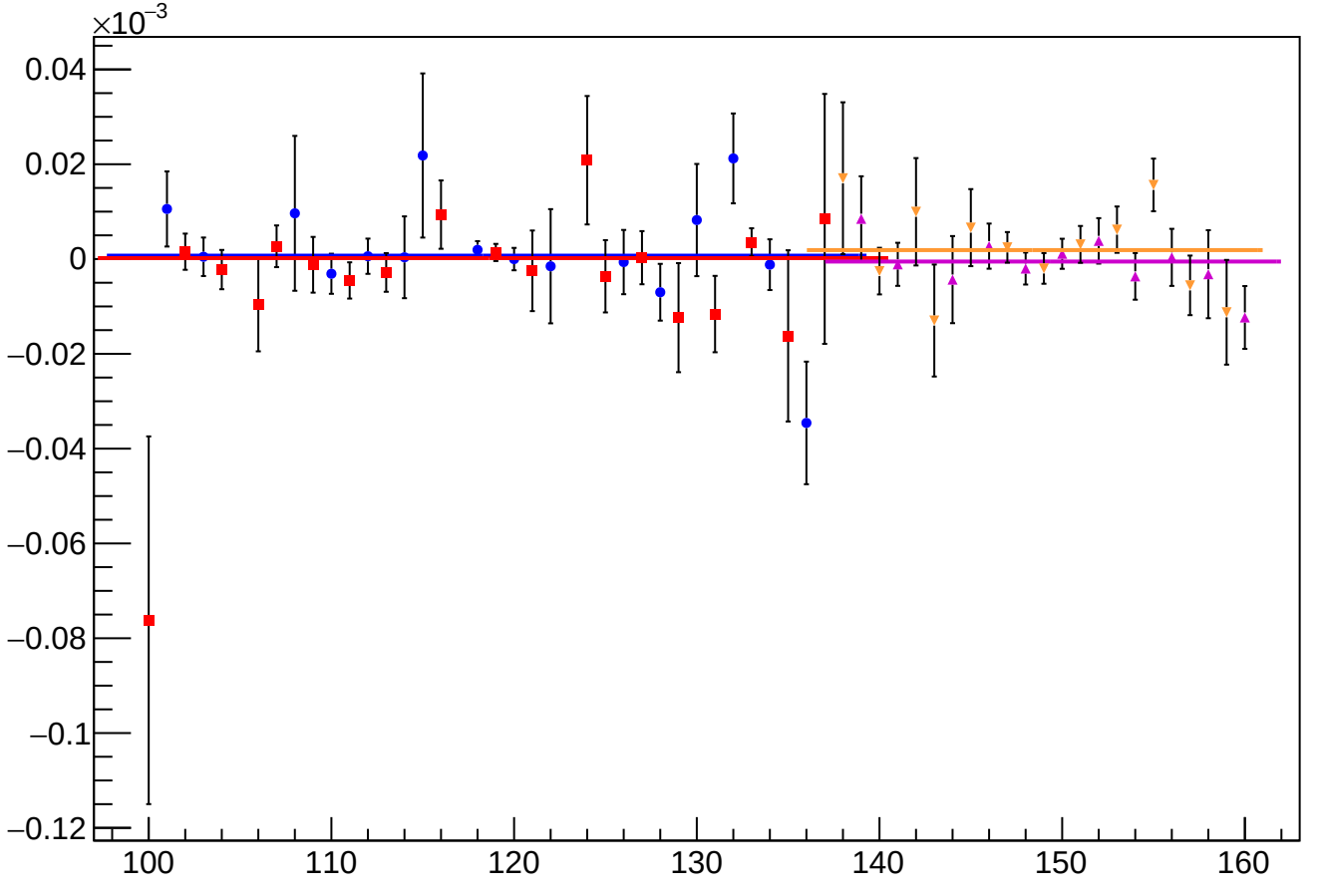
Left: 34.702+/-0.006 χ^2/NDF: 3463798.5/22

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57



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:6.6/10

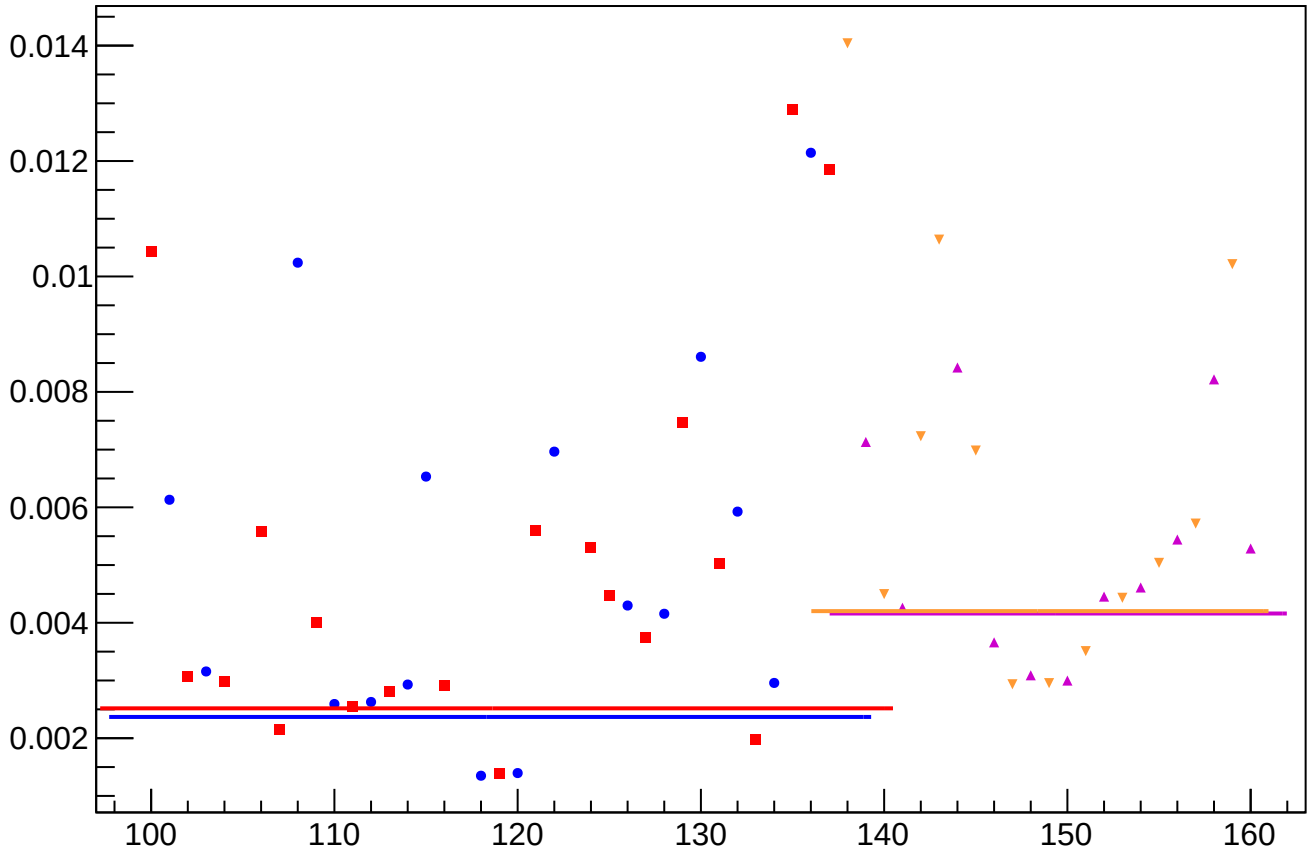
Left: 0.000+/-0.000 χ^2/NDF: 23.4/22

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/26

Out: 0.000+/-0.000 χ^2/NDF:34.3/30

All: 0.000+/-0.000 χ^2/NDF: 60.7/57



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:1697642.3/10

Left: 0.004+/-0.000 χ^2/NDF: 4858667.0/22

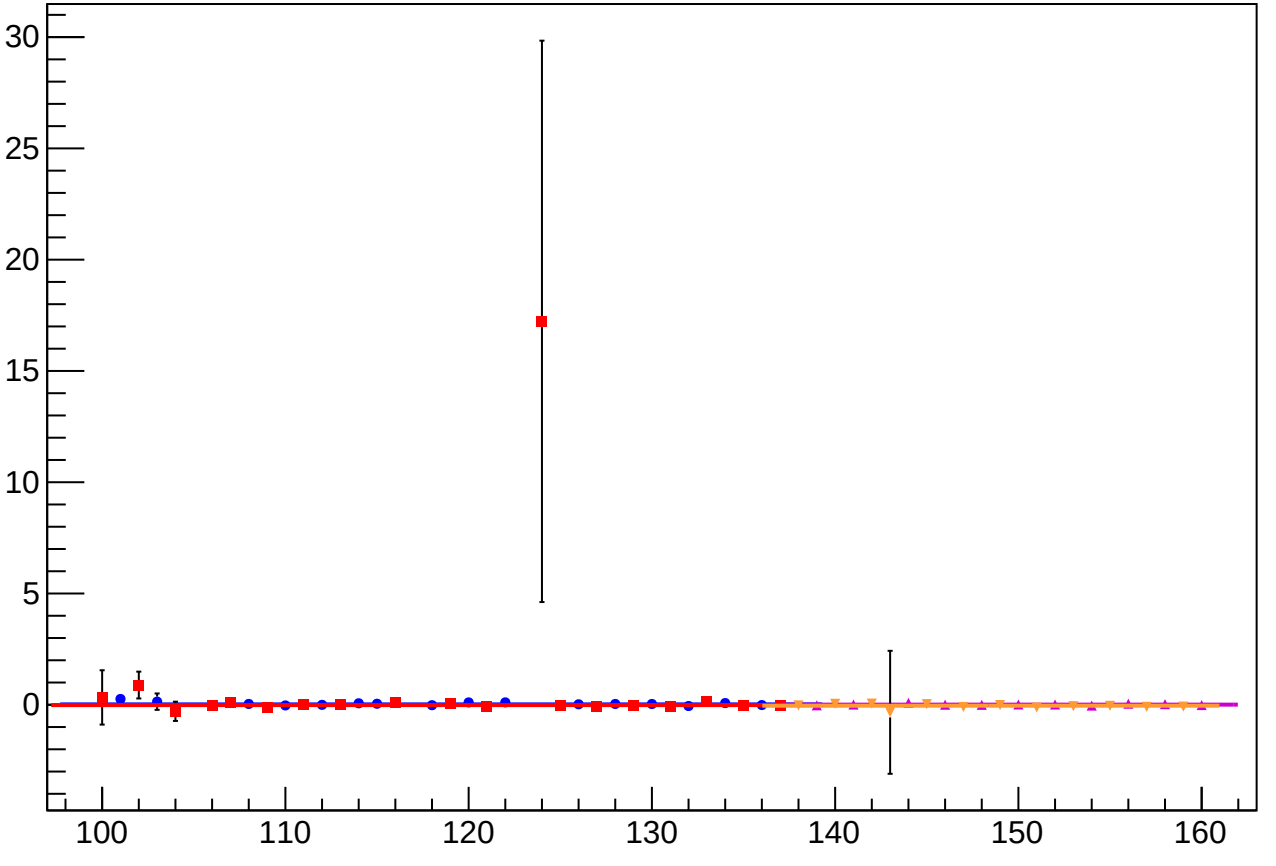
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8286489.8/26

Out: 0.003+/-0.000 χ^2/NDF:8226627.1/30

All: 0.003+/-0.000 χ^2/NDF: 16519969.1/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

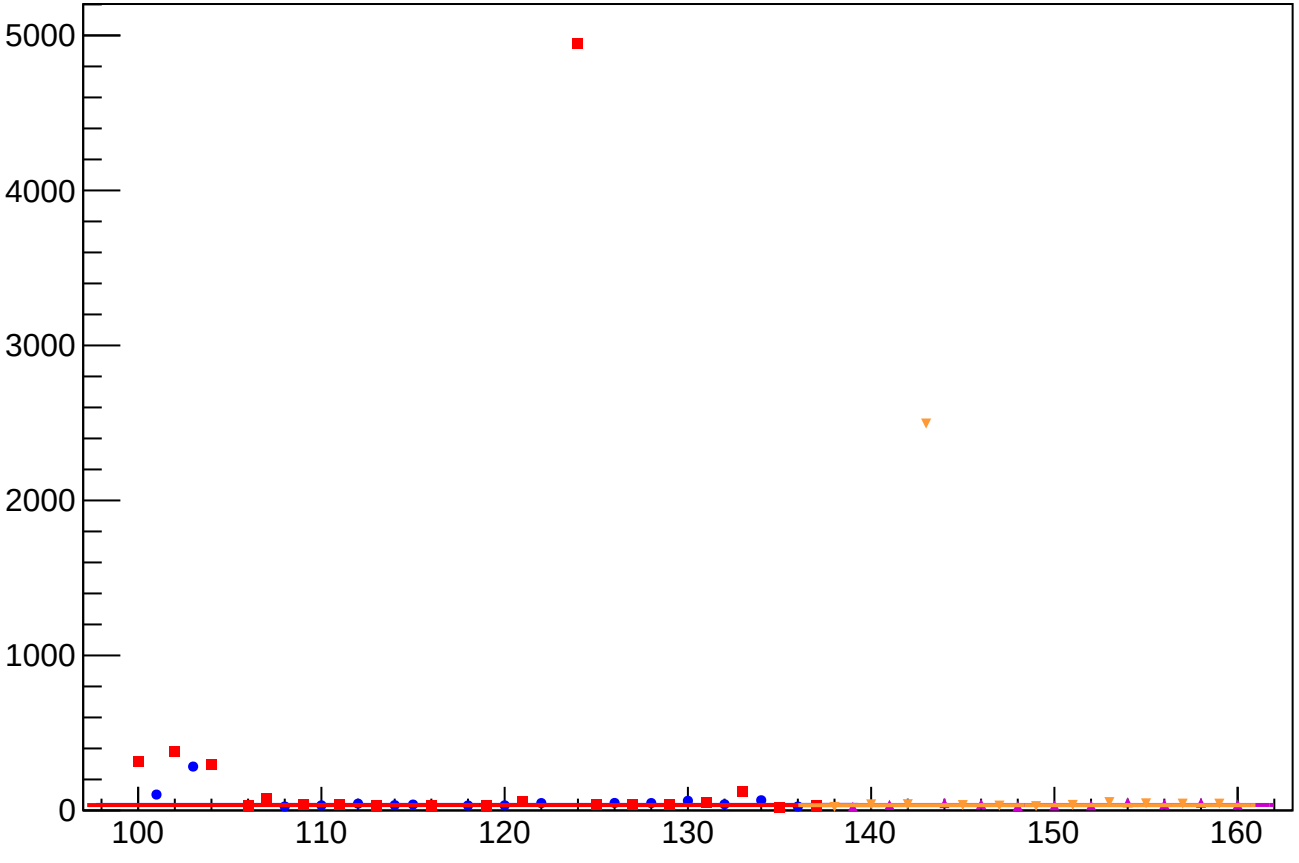
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

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: 35.468+/-0.009 χ^2/NDF:923295.6/10

Left: 34.701+/-0.006 χ^2/NDF: 3464701.9/22

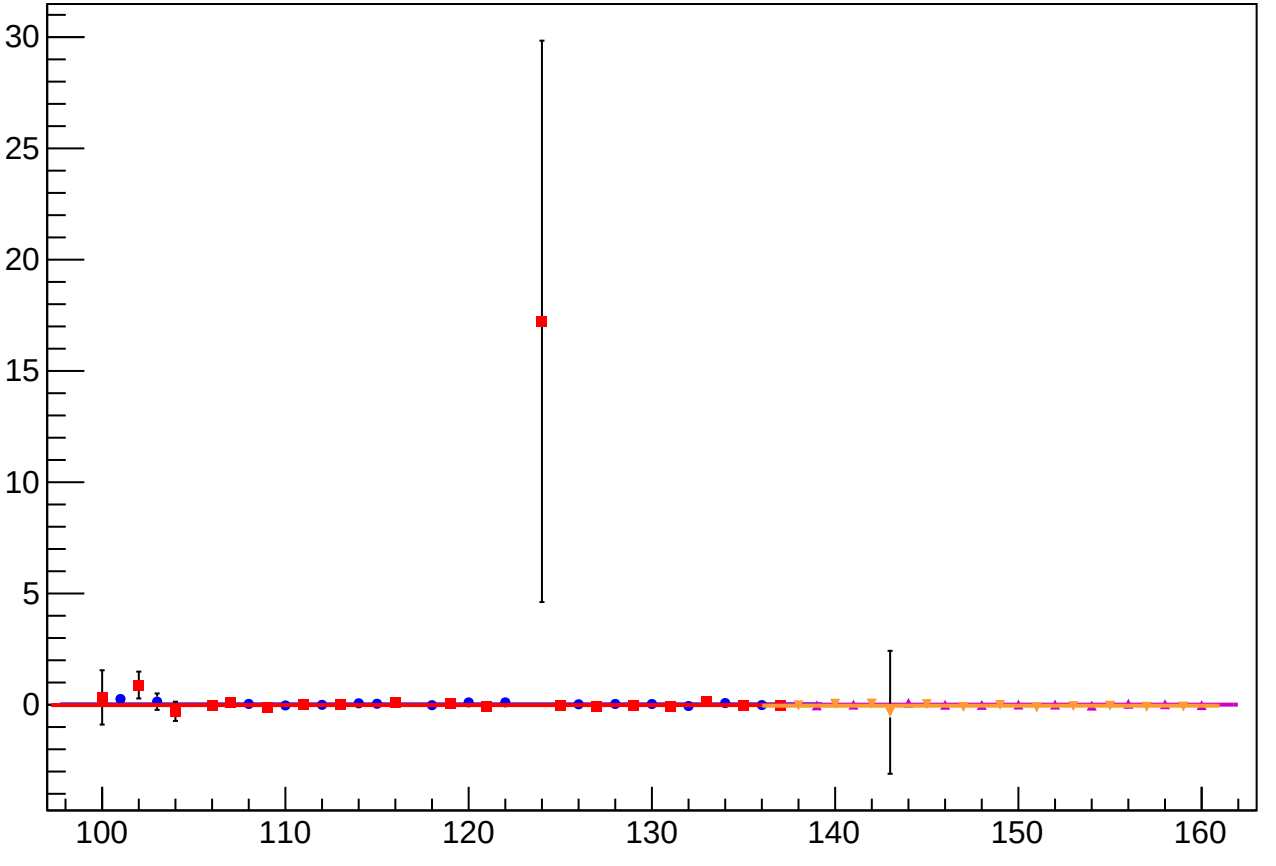
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

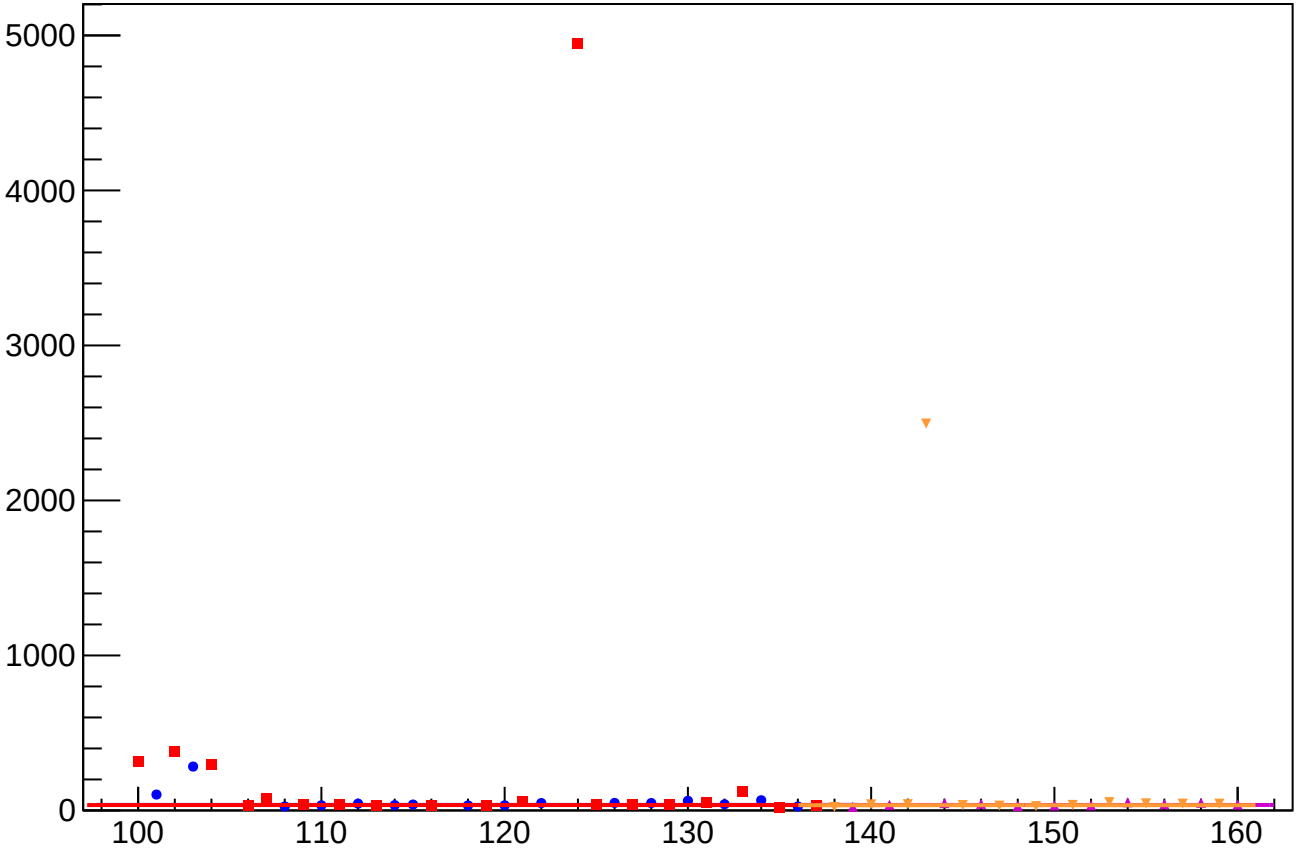
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

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: 35.468+/-0.009 χ^2/NDF:923295.6/10

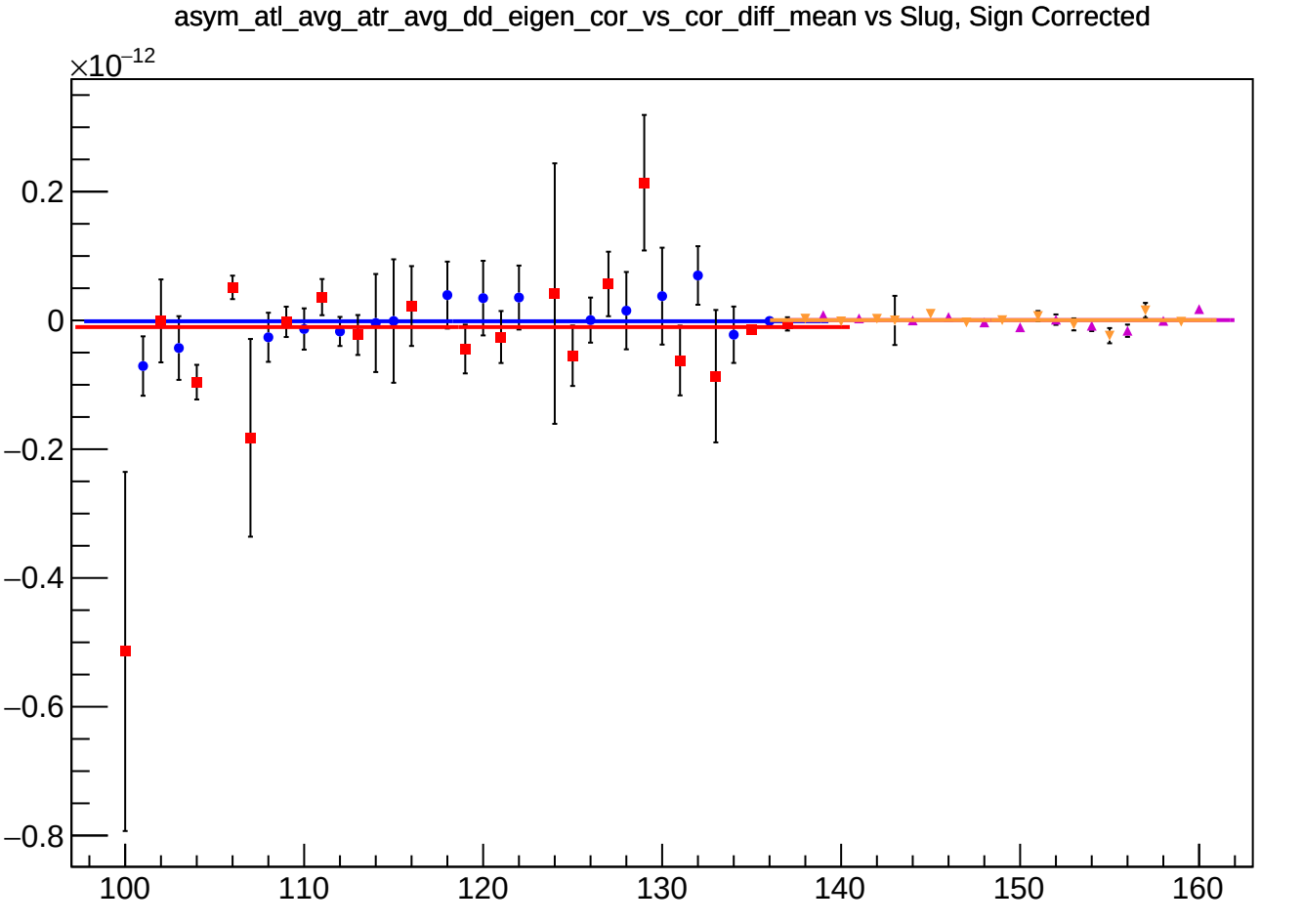
Left: 34.701+/-0.006 χ^2/NDF: 3464701.9/22

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57



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:16.8/10

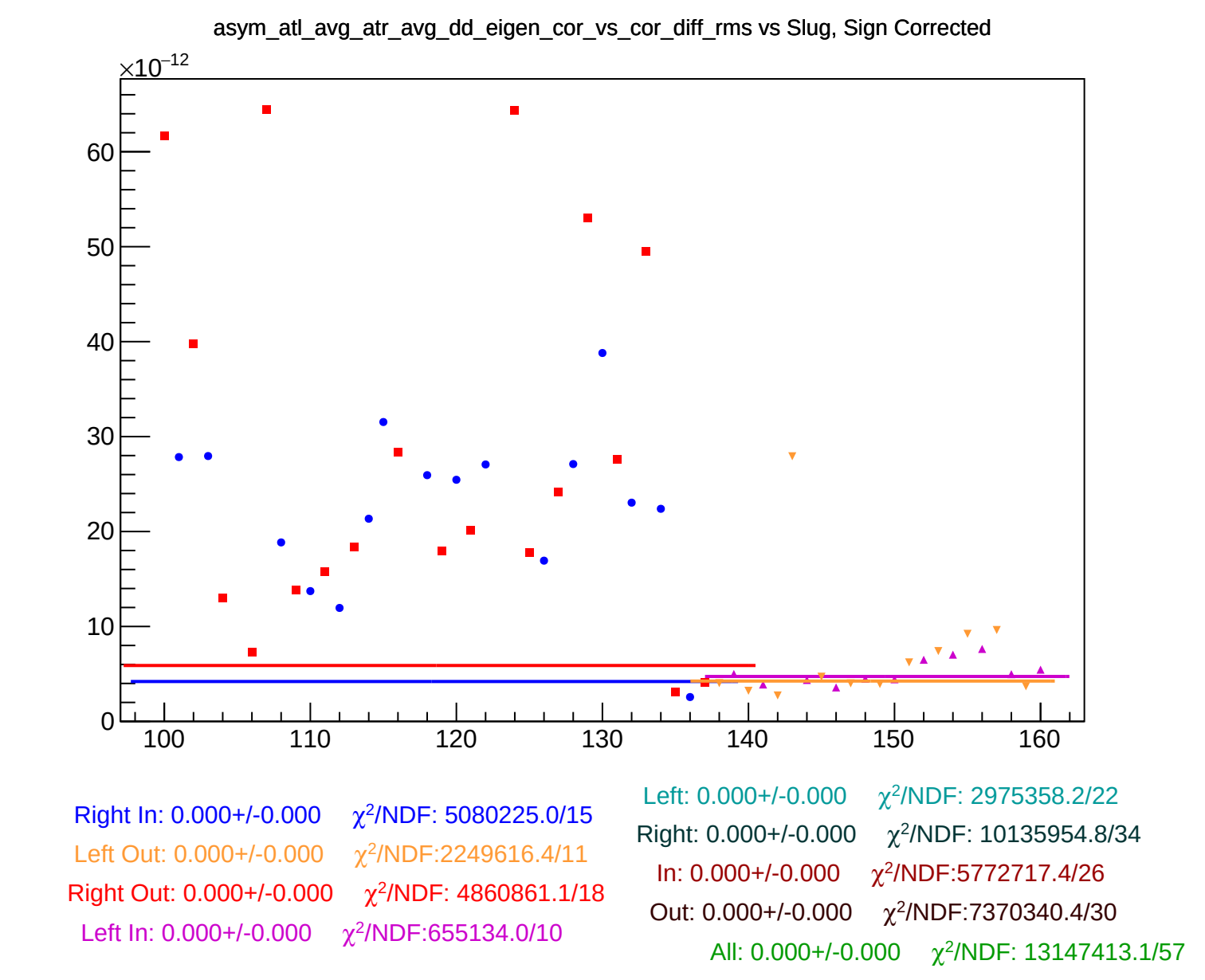
Left: 0.000+/-0.000 χ^2/NDF: 27.4/22

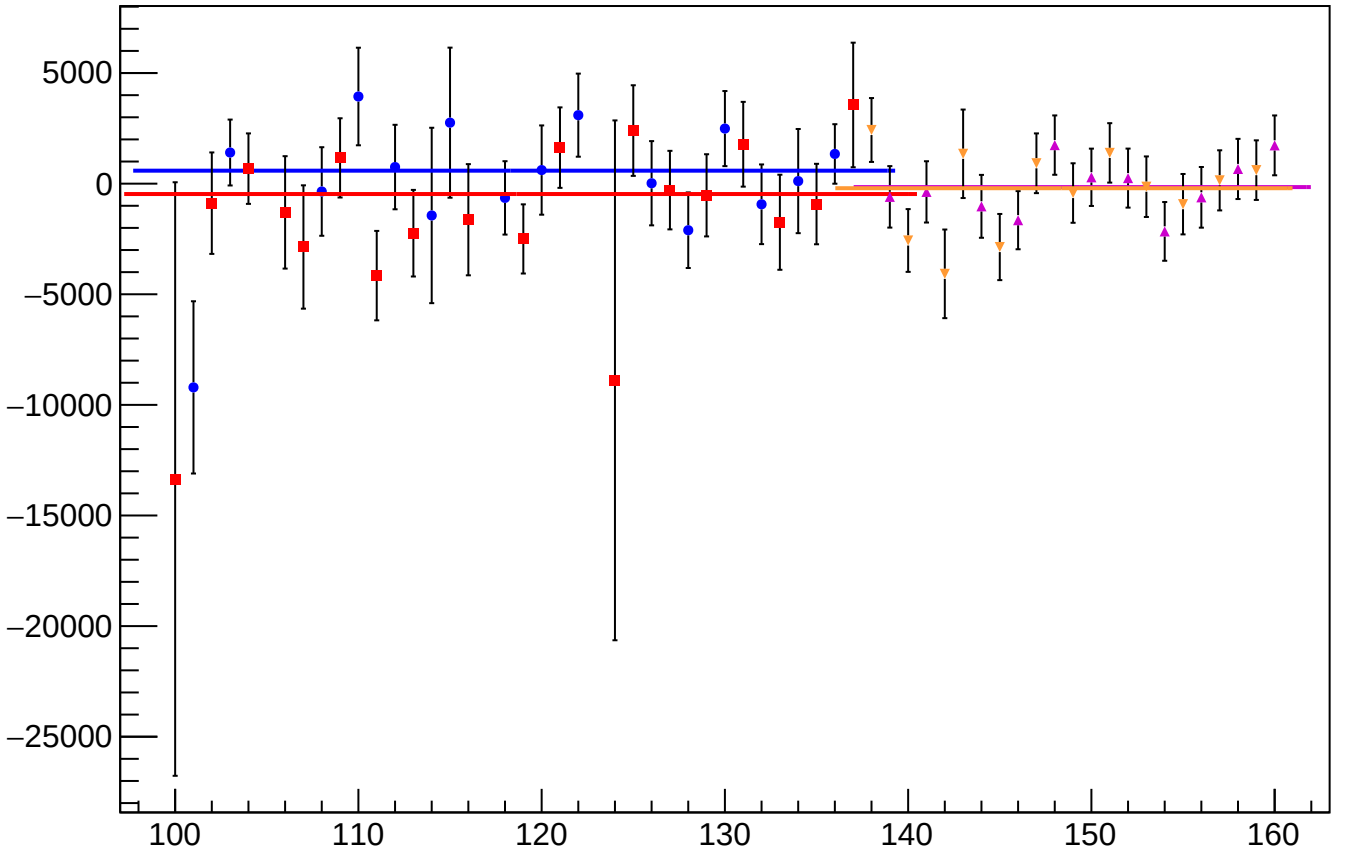
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:25.7/26

Out: -0.000+/-0.000 χ^2/NDF:56.0/30

All: -0.000+/-0.000 χ^2/NDF: 82.0/57


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2249616.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:655134.0/10
Left: 0.000+/-0.000 χ²/NDF: 2975358.2/22
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5772717.4/26
Out: 0.000+/-0.000 χ²/NDF:7370340.4/30
All: 0.000+/-0.000 χ²/NDF: 13147413.1/57



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.199+/-417.342 χ^2/NDF:16.5/11

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -155.093+/-407.833 χ^2/NDF:8.7/10

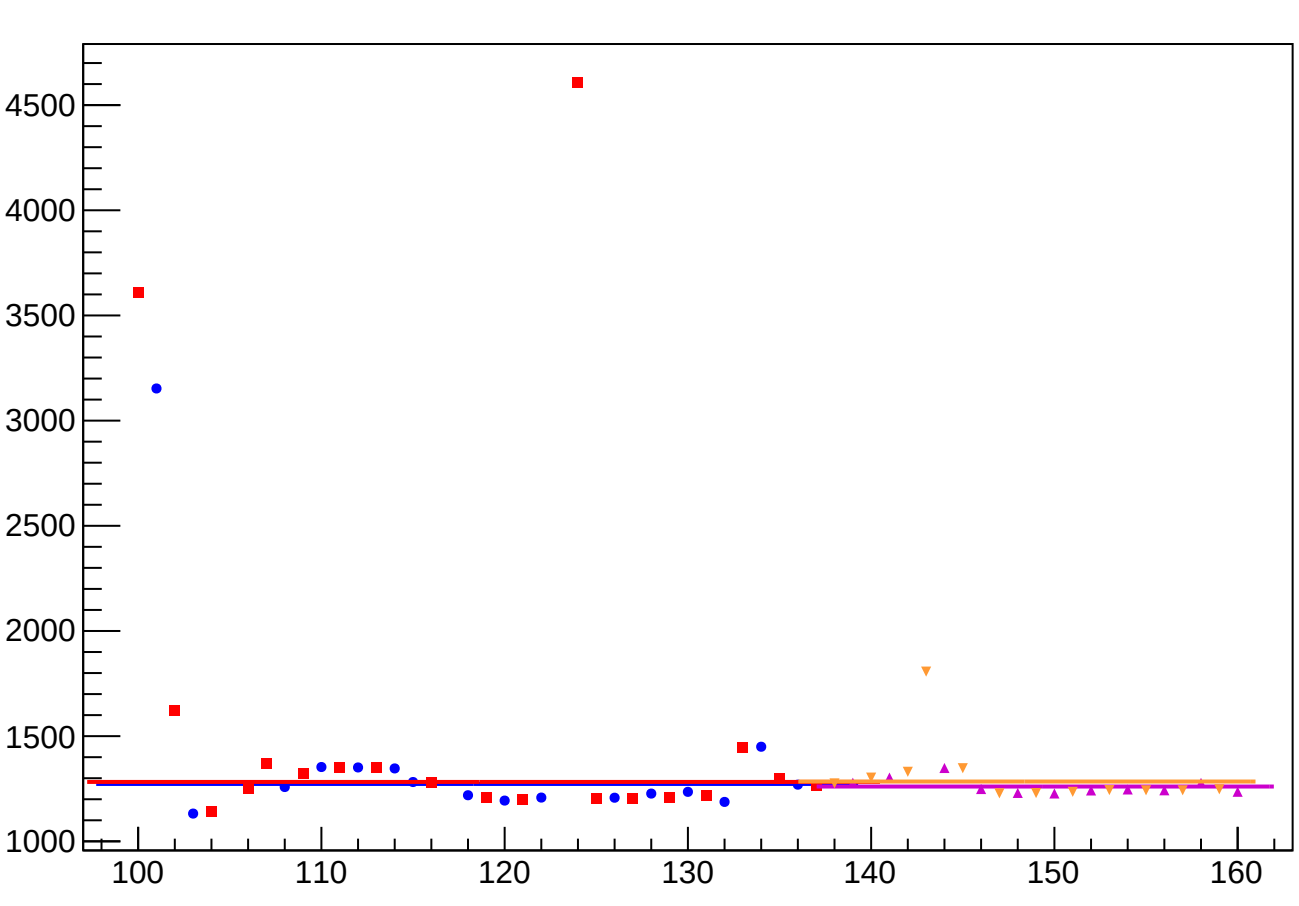
Left: -180.057+/-291.685 χ^2/NDF: 25.2/22

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 154.176+/-311.455 χ^2/NDF:27.2/26

Out: -319.205+/-315.090 χ^2/NDF:33.5/30

All: -79.768+/-221.506 χ^2/NDF: 61.8/57



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: 1260.484+/-0.288 χ^2/NDF:14357.0/10

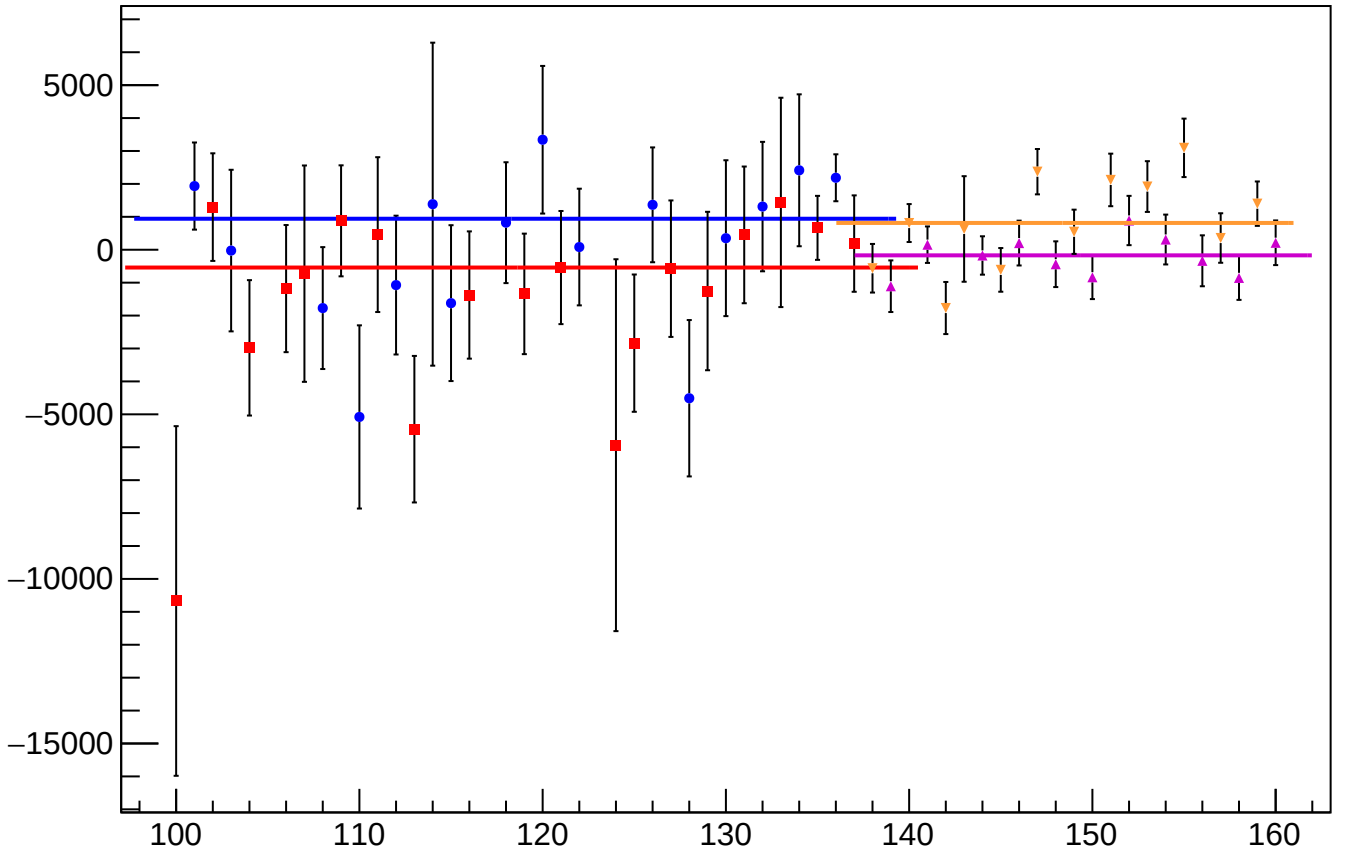
Left: 1272.122+/-0.206 χ^2/NDF: 175734.1/22

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1265.619+/-0.220 χ^2/NDF:534415.8/26

Out: 1283.473+/-0.223 χ^2/NDF:480140.7/30

All: 1274.442+/-0.157 χ^2/NDF: 1017804.2/57



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: -170.401+/-204.394 χ^2/NDF:7.0/10

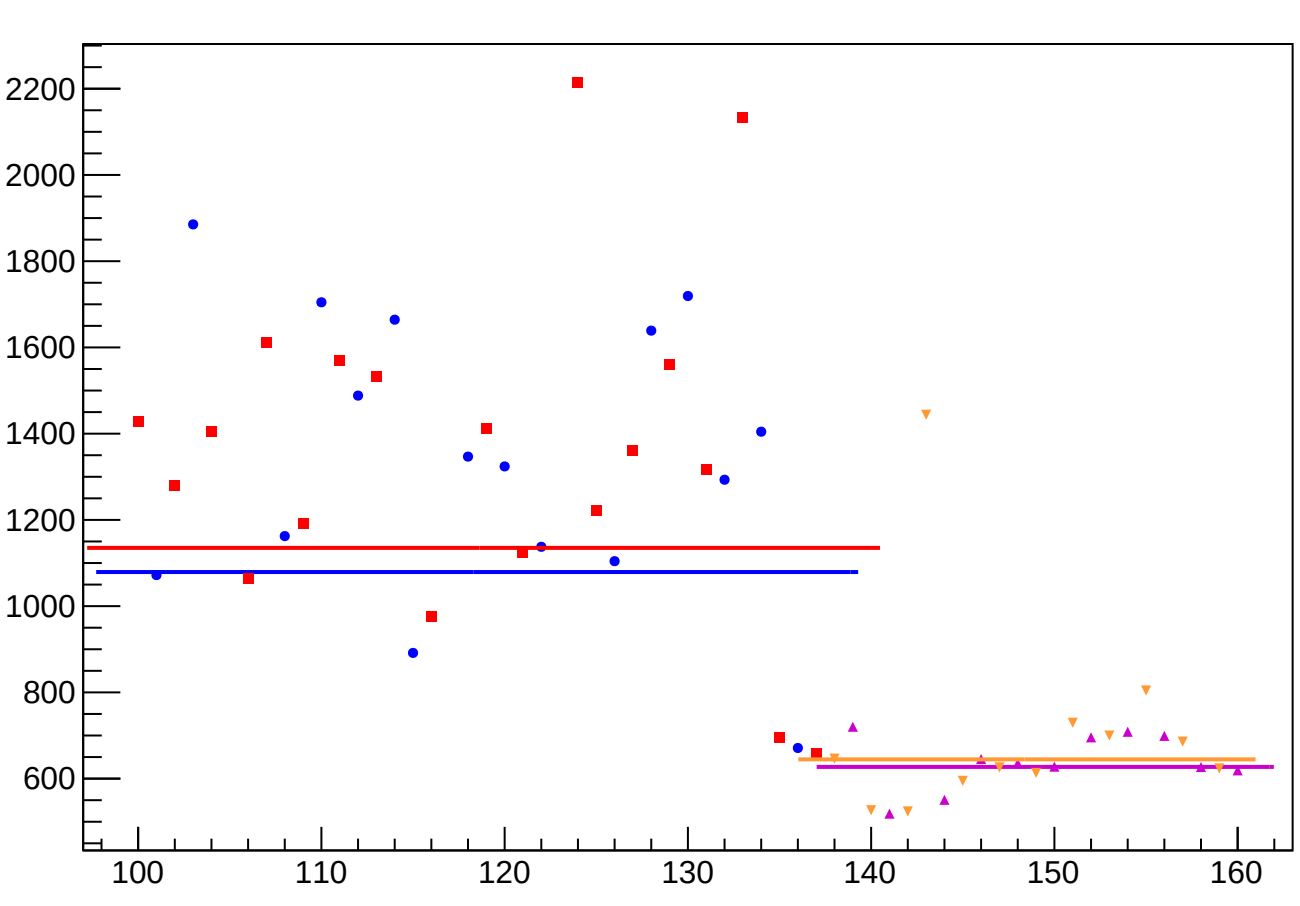
Left: 300.121+/-147.684 χ^2/NDF: 54.6/22

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 37.845+/-184.267 χ^2/NDF:32.5/26

Out: 555.592+/-192.165 χ^2/NDF:61.3/30

All: 285.860+/-133.001 χ^2/NDF: 97.6/57



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: 627.151+/-0.145 χ^2/NDF:198310.9/10

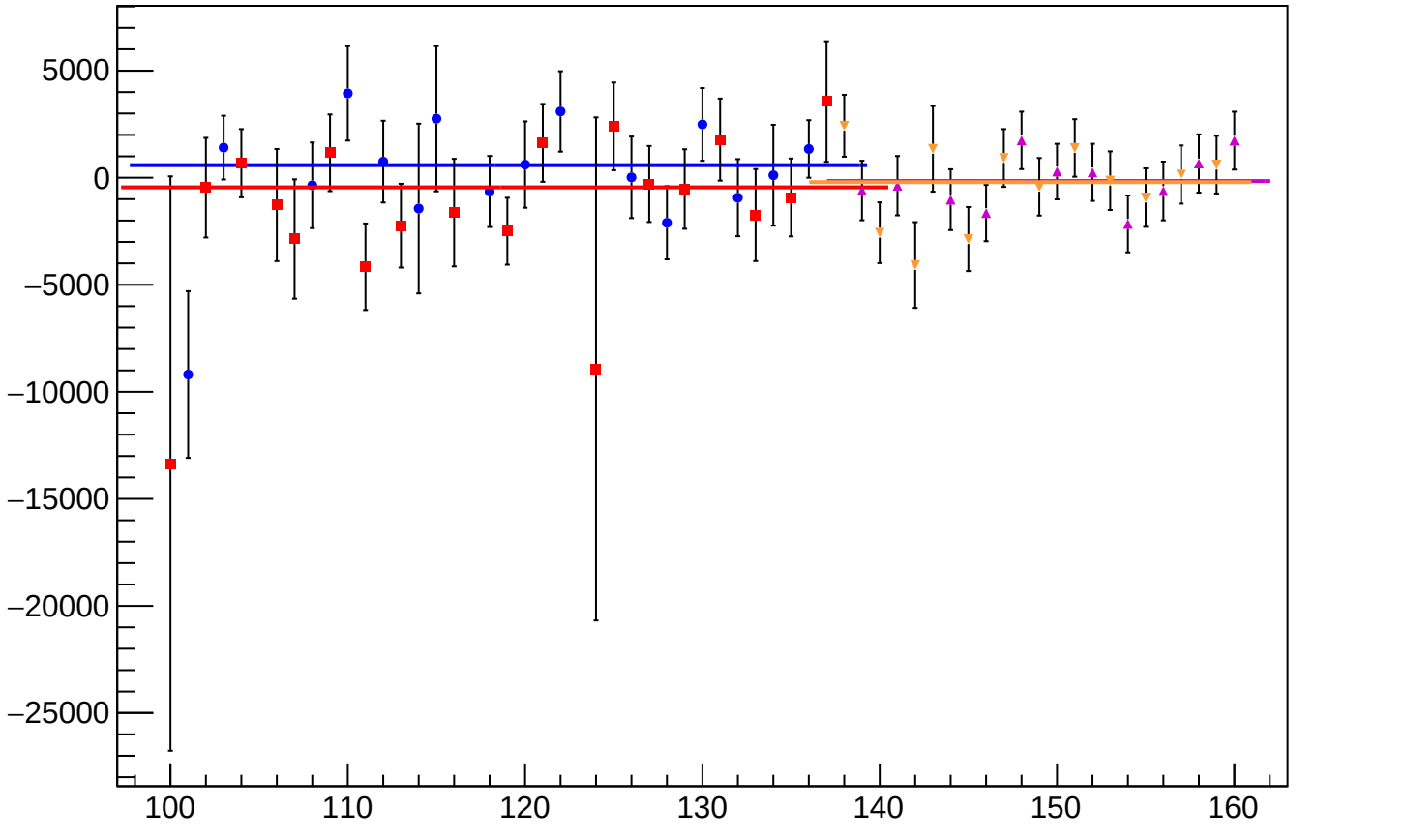
Left: 635.514+/-0.104 χ^2/NDF: 954954.7/22

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 711.779+/-0.130 χ^2/NDF:3511679.5/26

Out: 738.251+/-0.136 χ^2/NDF:4054830.7/30

All: 724.460+/-0.094 χ^2/NDF: 7586282.7/57



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: -155.064+/-407.833 χ^2/NDF:8.7/10

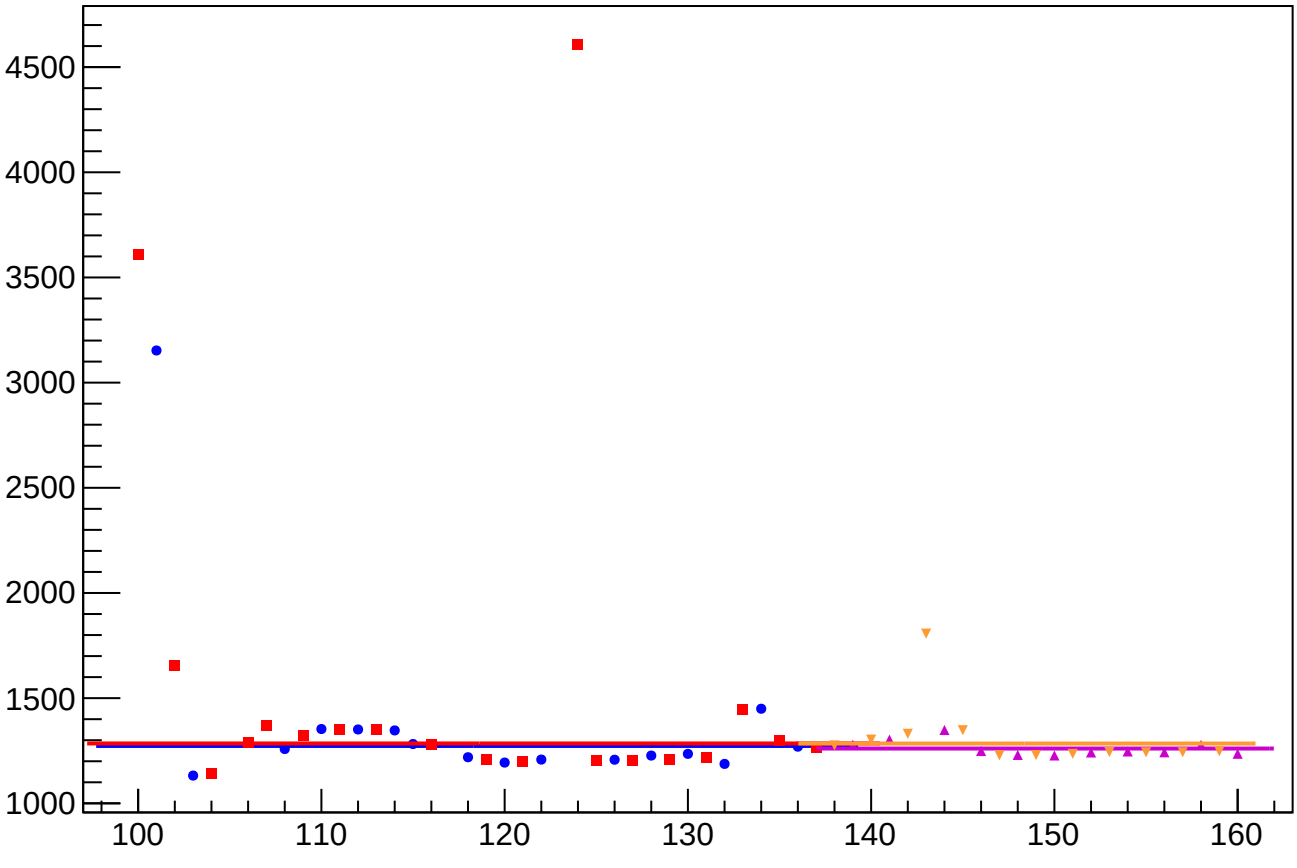
Left: -180.107+/-291.685 χ^2/NDF: 25.2/22

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -75.083+/-221.586 χ^2/NDF: 61.6/57



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: 1260.484+/-0.288 χ^2/NDF:14357.0/10

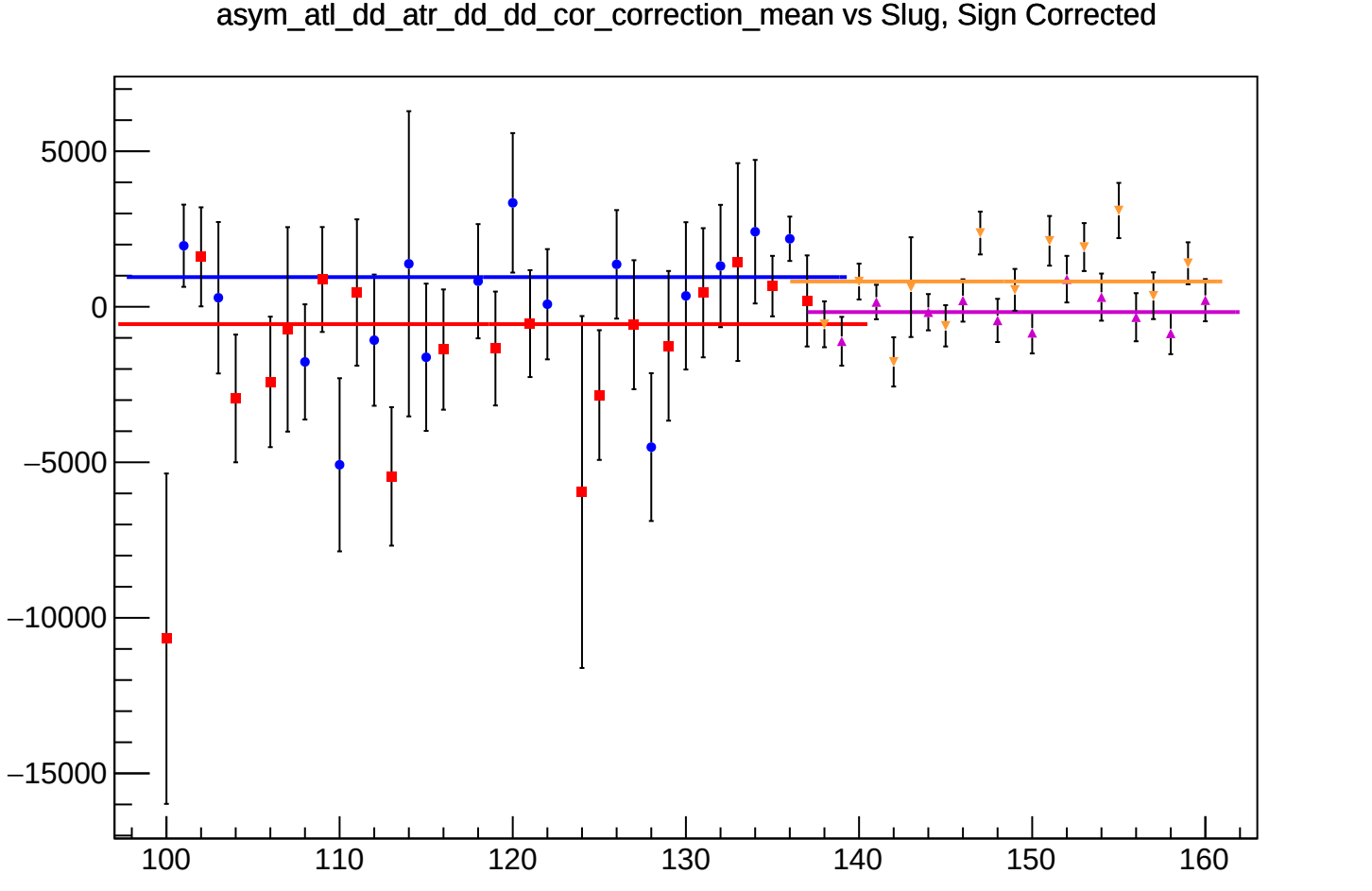
Left: 1272.122+/-0.206 χ^2/NDF: 175734.1/22

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57



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: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 300.098+/-147.684 χ^2/NDF: 54.6/22

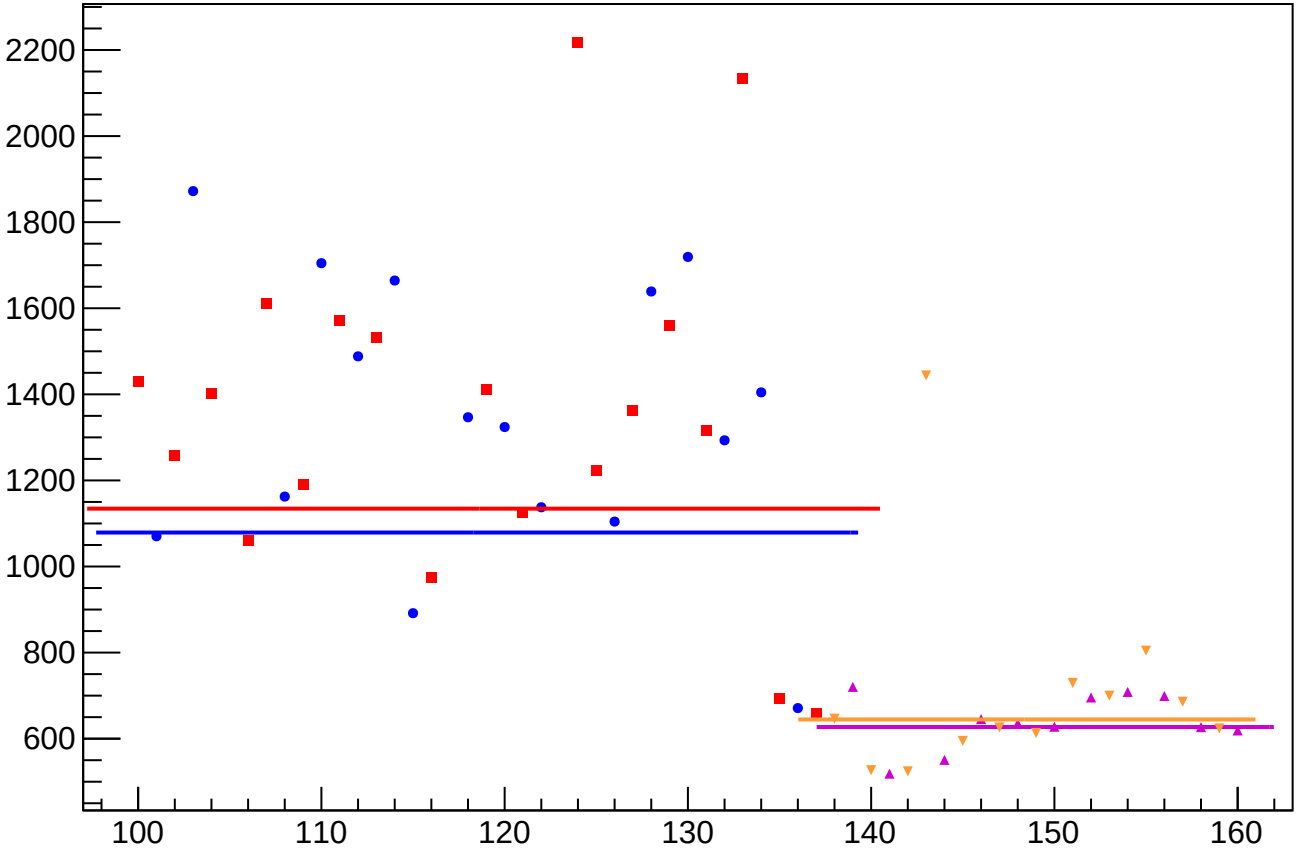
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 285.819+/-133.019 χ^2/NDF: 99.0/57

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: 627.147+/-0.145 χ^2/NDF:198335.7/10

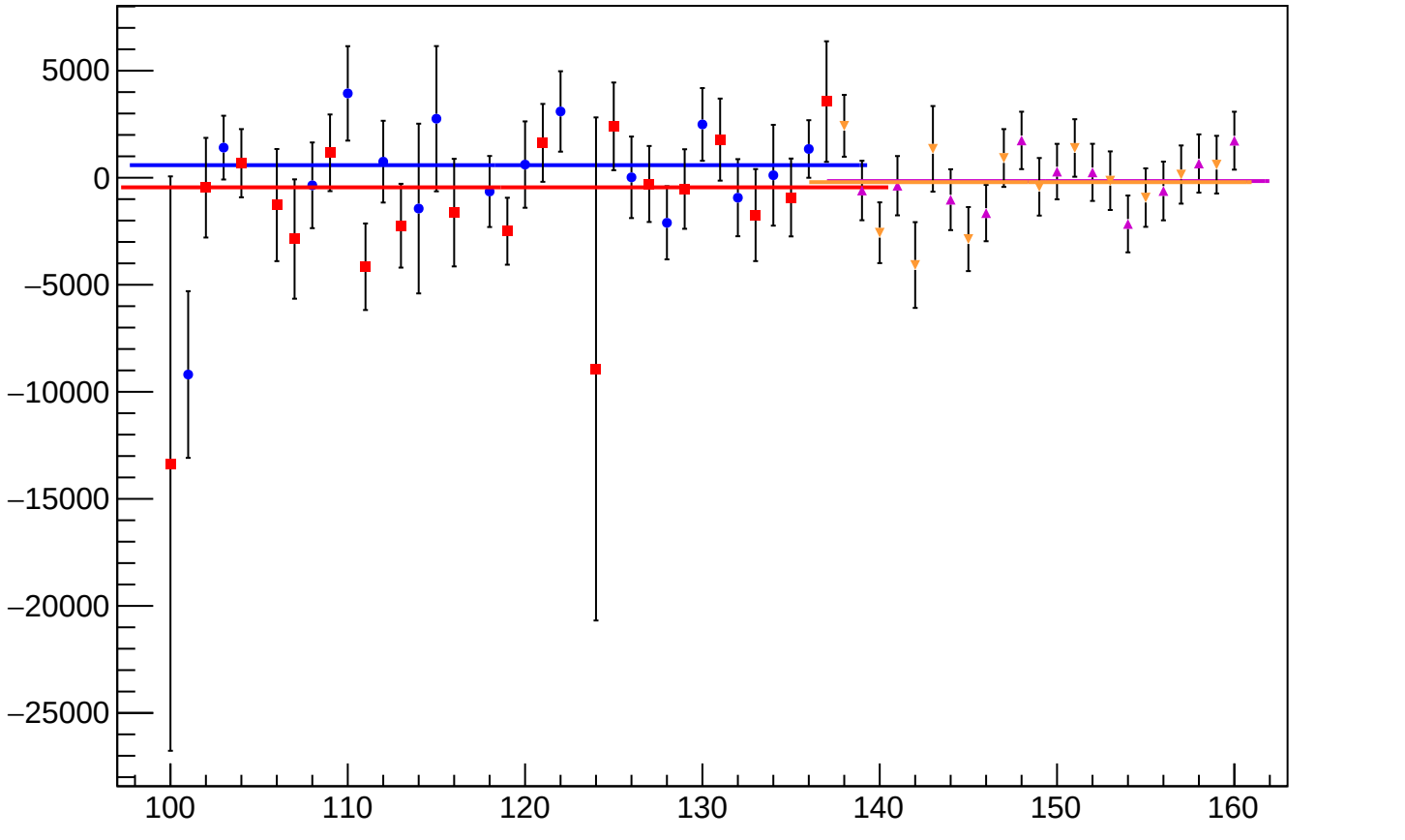
Left: 635.516+/-0.104 χ^2/NDF: 954893.7/22

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57



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: -155.064+/-407.833 χ^2/NDF:8.7/10

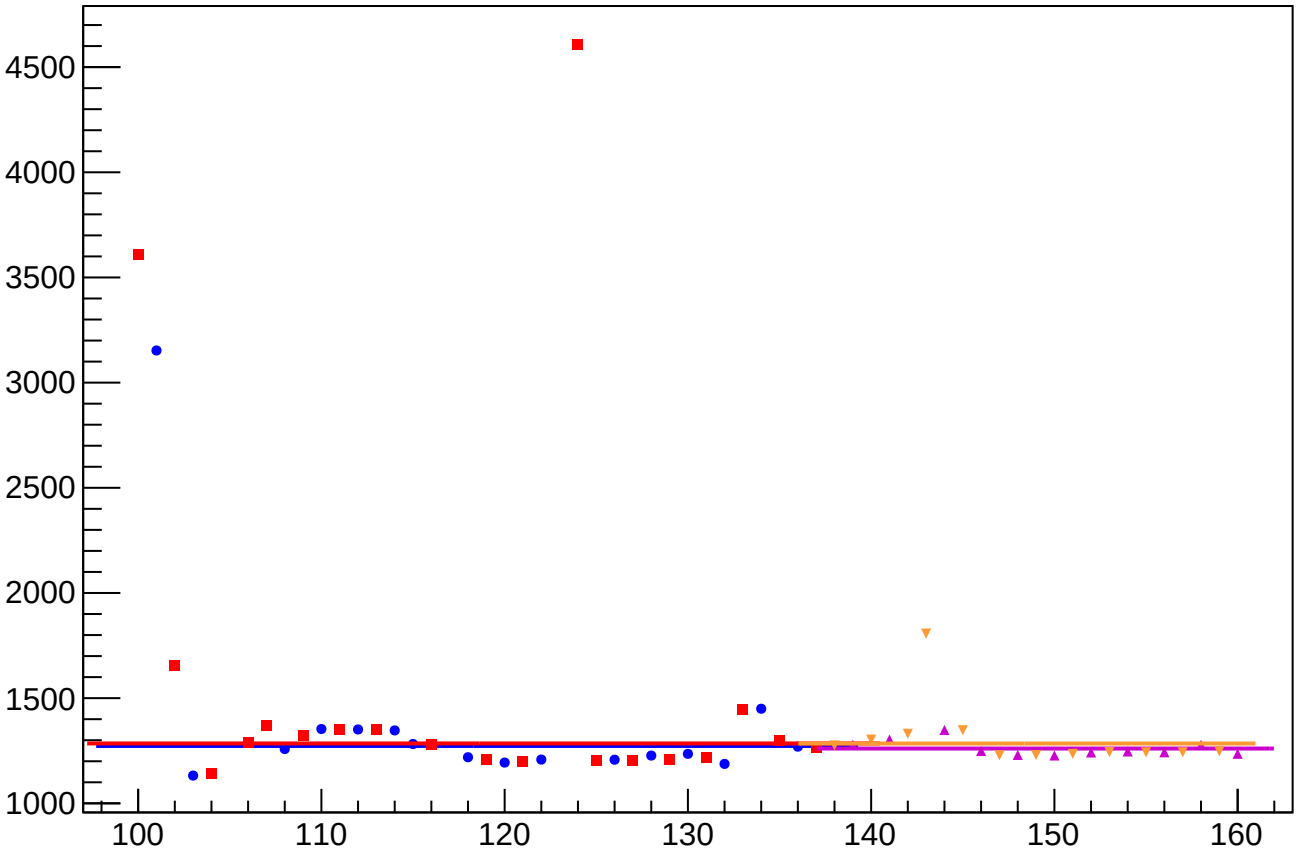
Left: -180.107+/-291.685 χ^2/NDF: 25.2/22

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -75.083+/-221.586 χ^2/NDF: 61.6/57



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: 1260.484+/-0.288 χ^2/NDF:14357.0/10

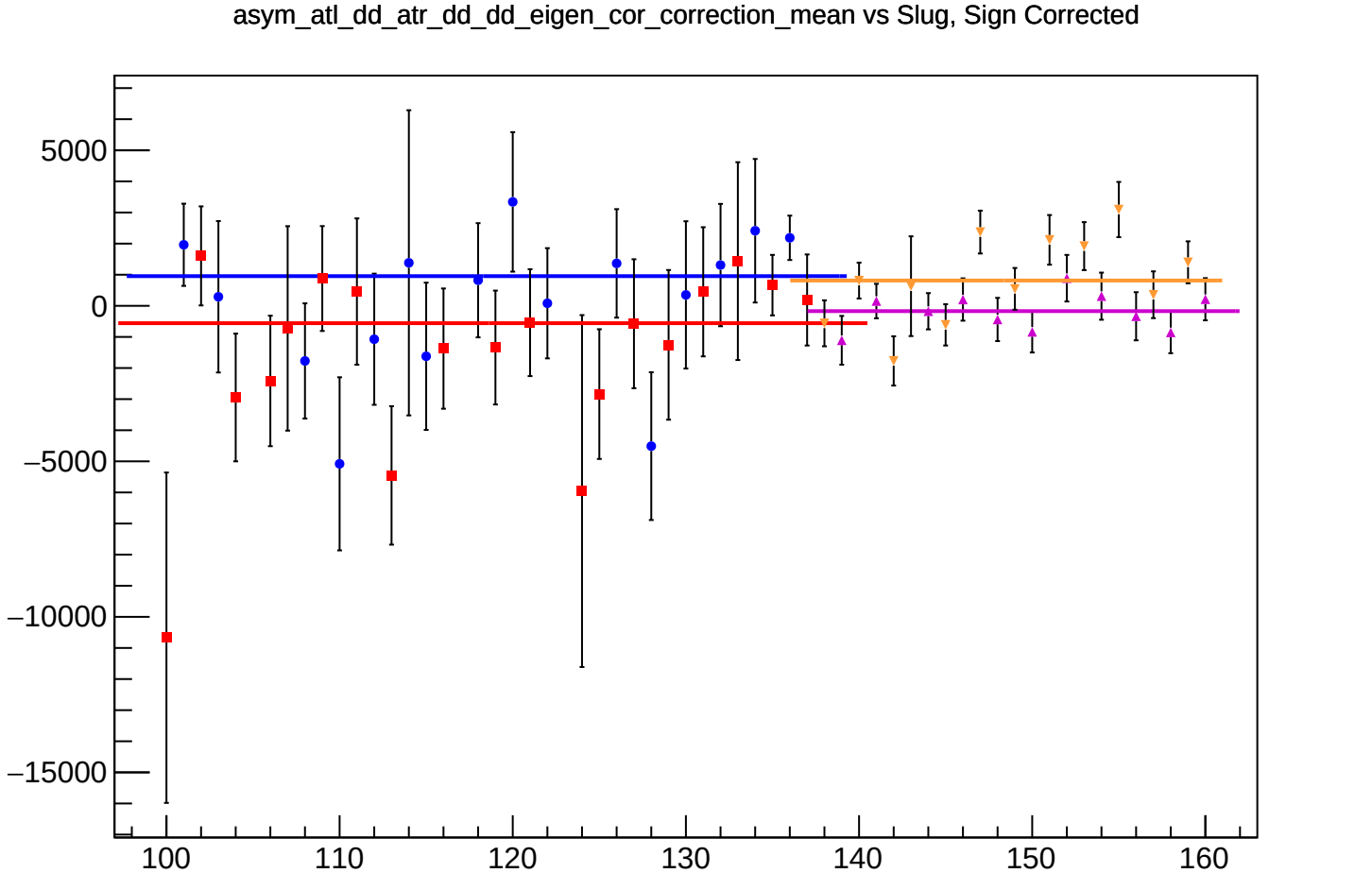
Left: 1272.122+/-0.206 χ^2/NDF: 175734.1/22

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57



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: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 300.098+/-147.684 χ^2/NDF: 54.6/22

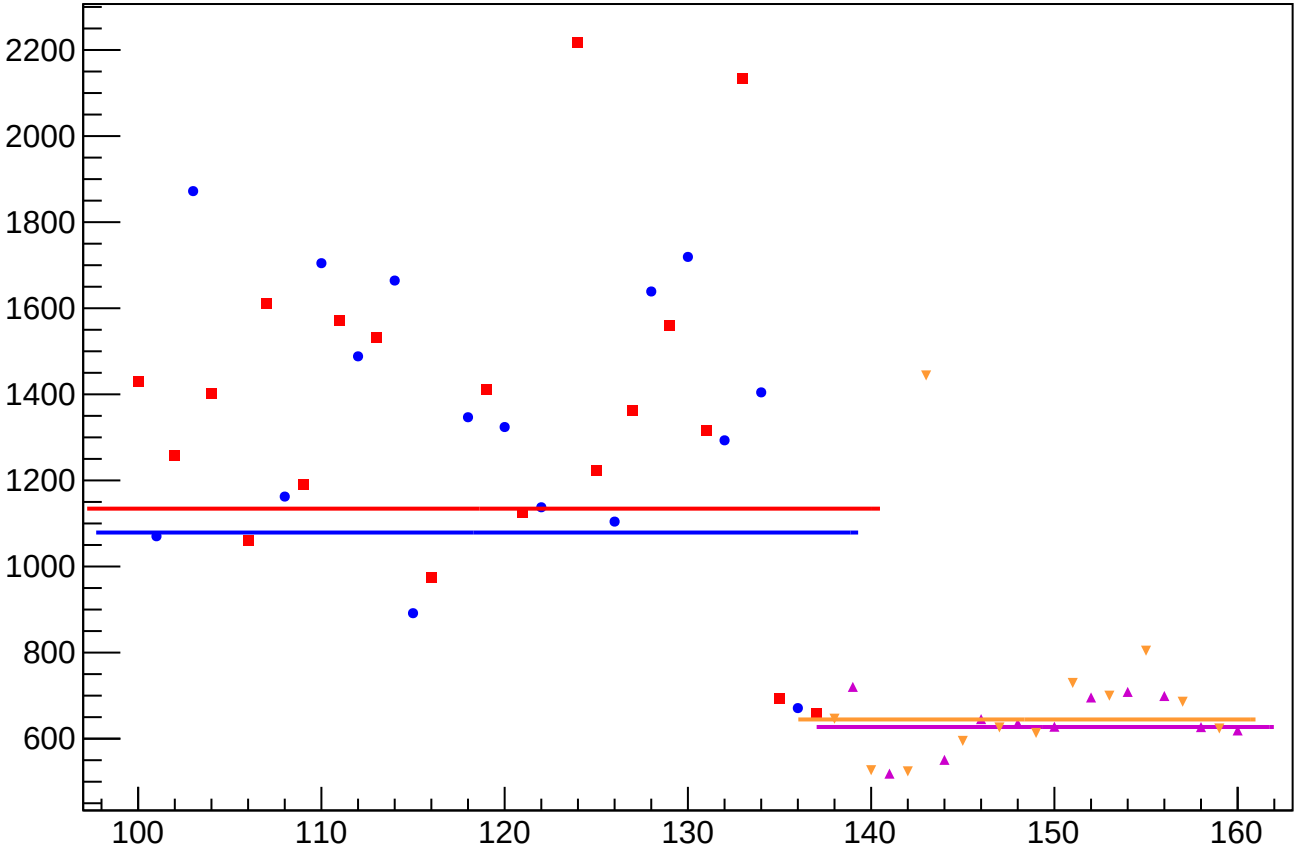
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 285.819+/-133.019 χ^2/NDF: 99.0/57

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: 627.147+/-0.145 χ^2/NDF:198335.7/10

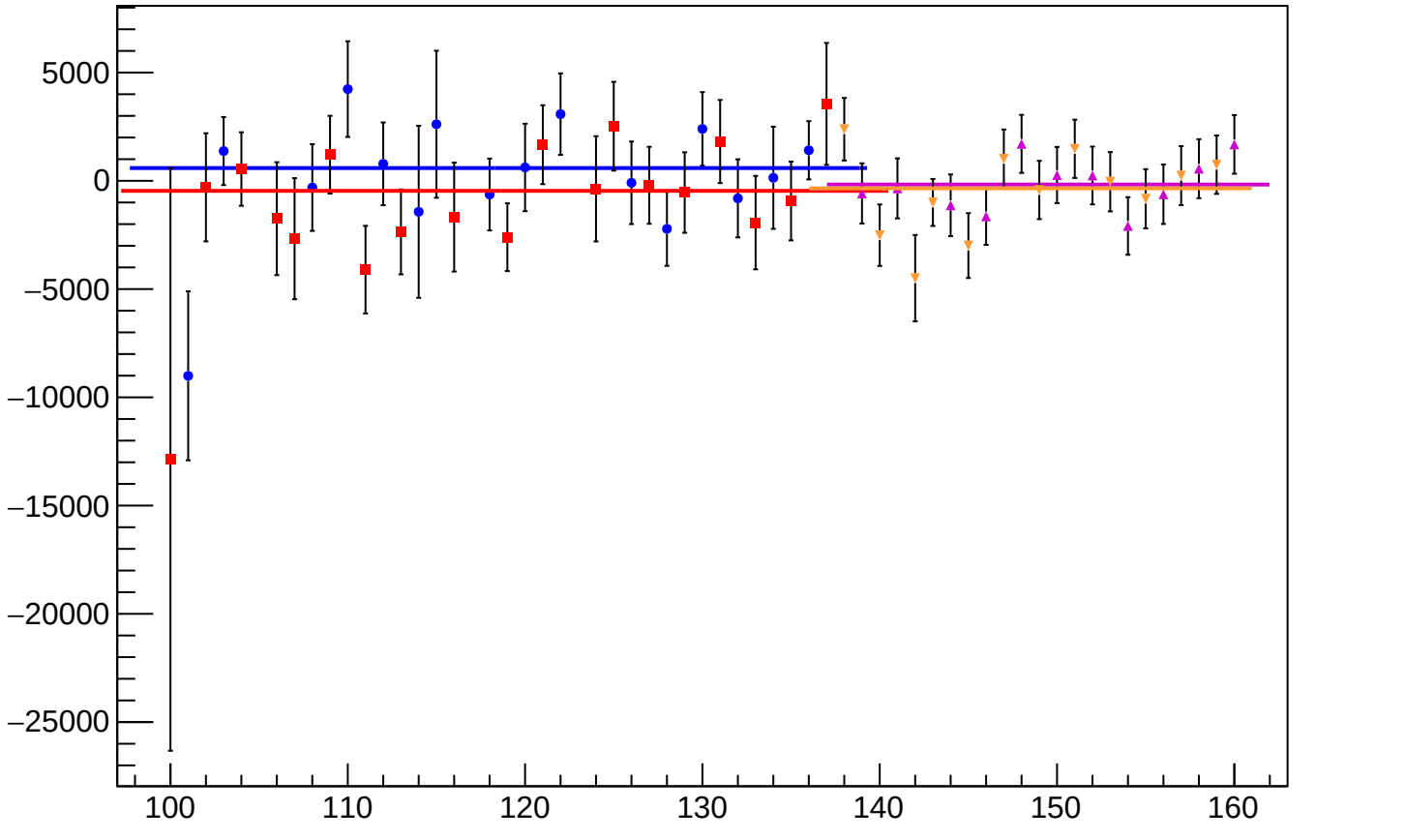
Left: 635.516+/-0.104 χ^2/NDF: 954893.7/22

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57



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: -172.339+/-408.184 χ^2/NDF:8.3/10

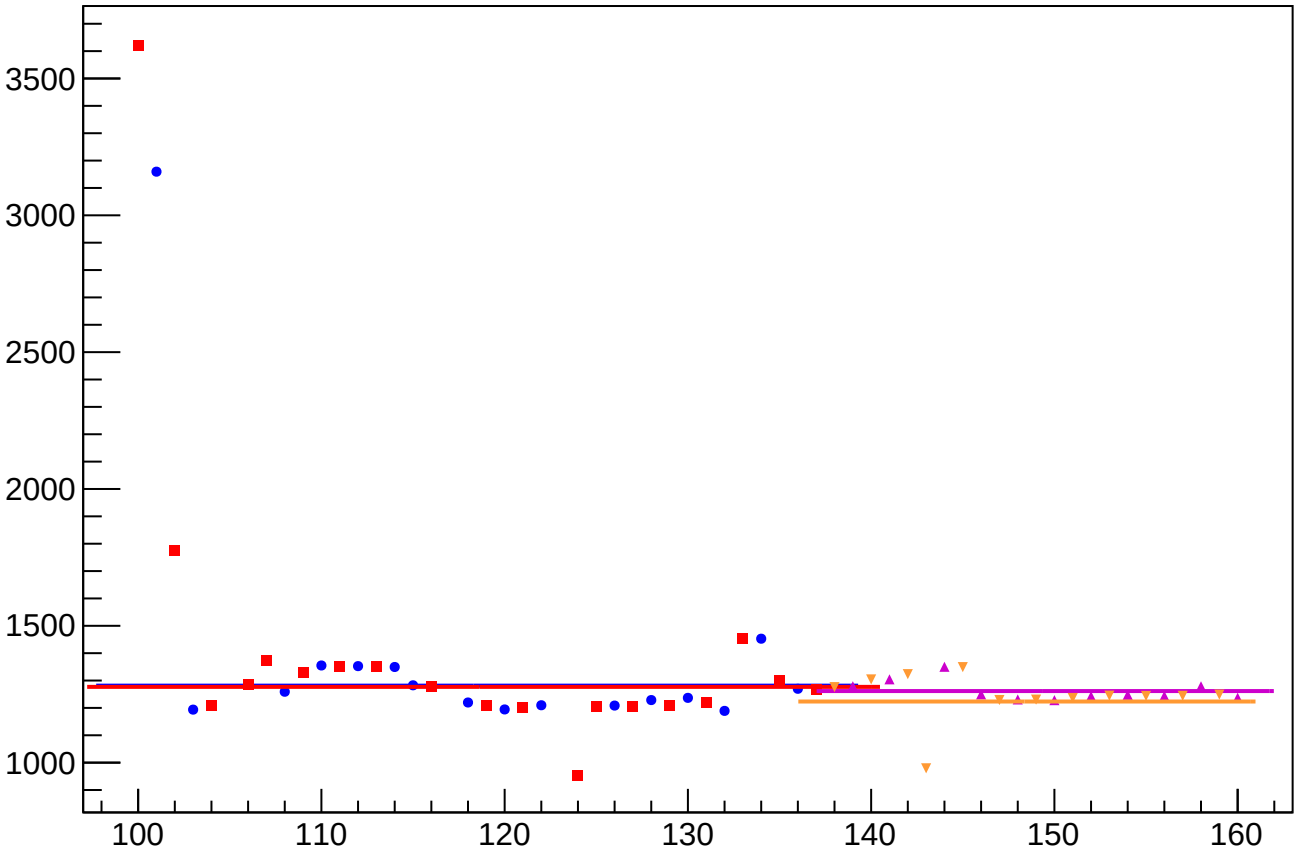
Left: -262.170+/-284.698 χ^2/NDF: 26.0/22

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 143.515+/-312.429 χ^2/NDF:26.9/26

Out: -394.532+/-305.217 χ^2/NDF:34.3/30

All: -131.790+/-218.326 χ^2/NDF: 62.7/57



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: 1261.566+/-0.289 χ^2/NDF:14458.7/10

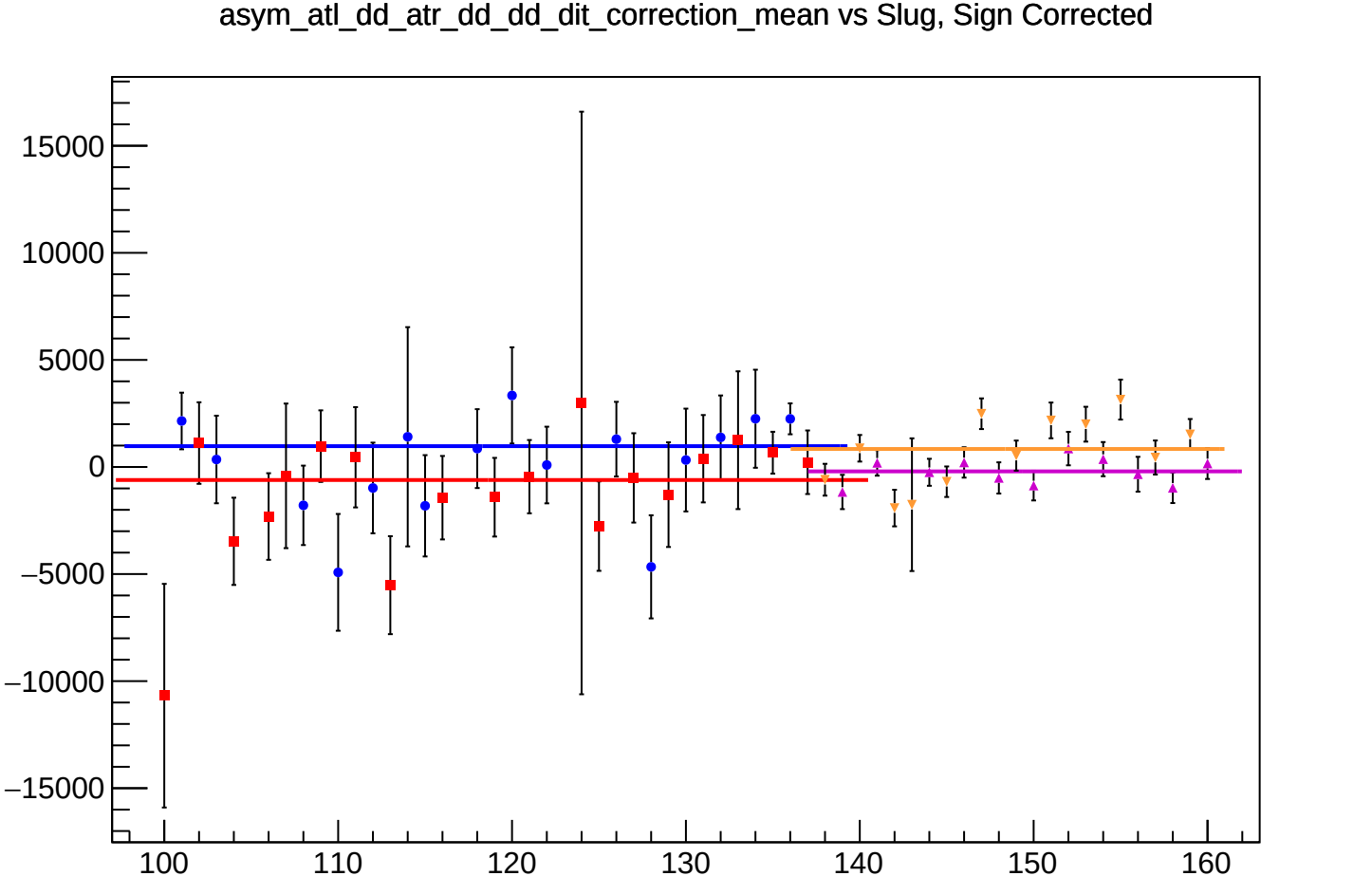
Left: 1241.951+/-0.201 χ^2/NDF: 155475.1/22

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

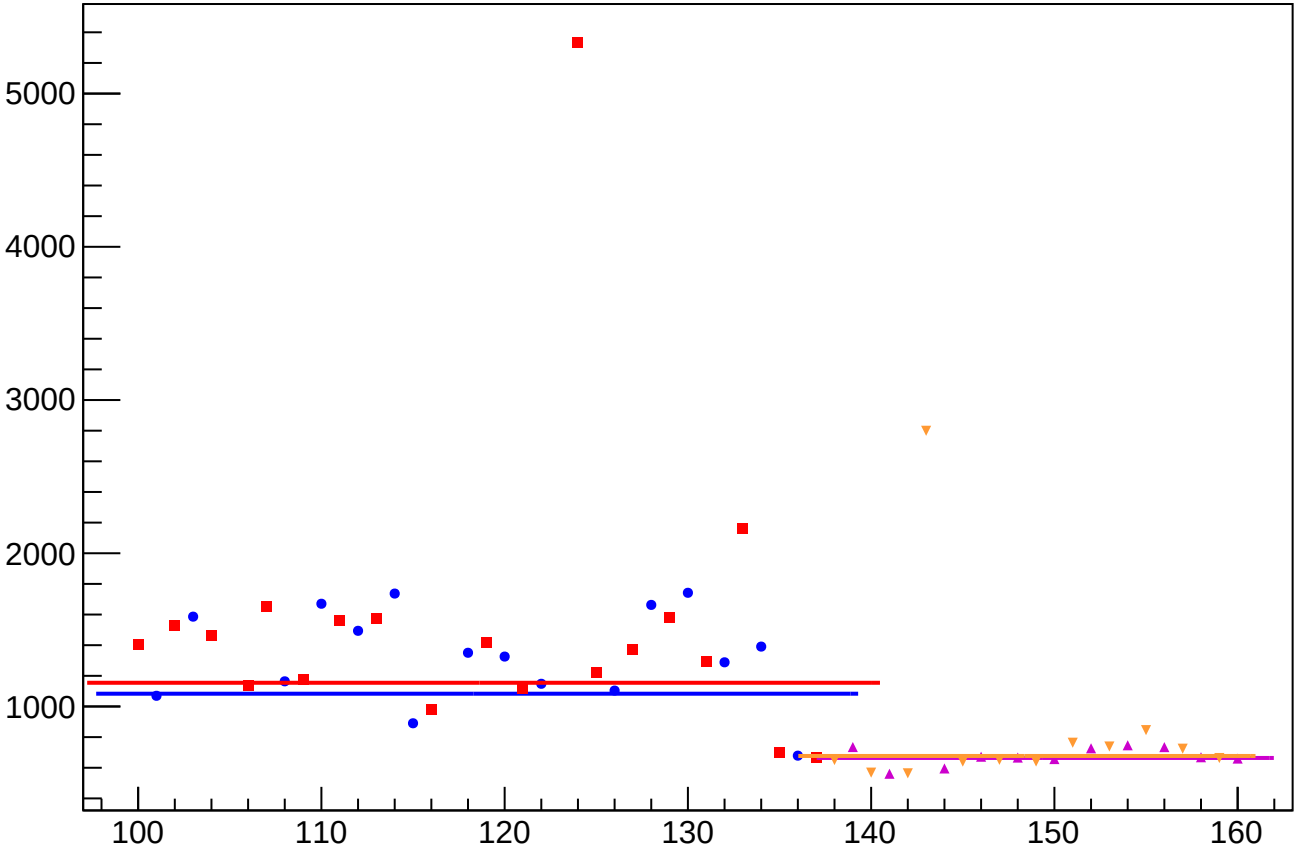
In: 1269.767+/-0.221 χ^2/NDF:523486.7/26

Out: 1245.289+/-0.216 χ^2/NDF:367393.9/30

All: 1257.242+/-0.154 χ^2/NDF: 897162.1/57


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: -204.796+/-216.071 χ²/NDF:7.1/10
Left: 292.602+/-156.433 χ²/NDF: 55.1/22
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 36.762+/-192.628 χ²/NDF:33.7/26
Out: 544.688+/-202.306 χ²/NDF:62.3/30
All: 278.286+/-139.505 χ²/NDF: 99.2/57

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: 664.022+/-0.153 χ^2/NDF:149027.4/10

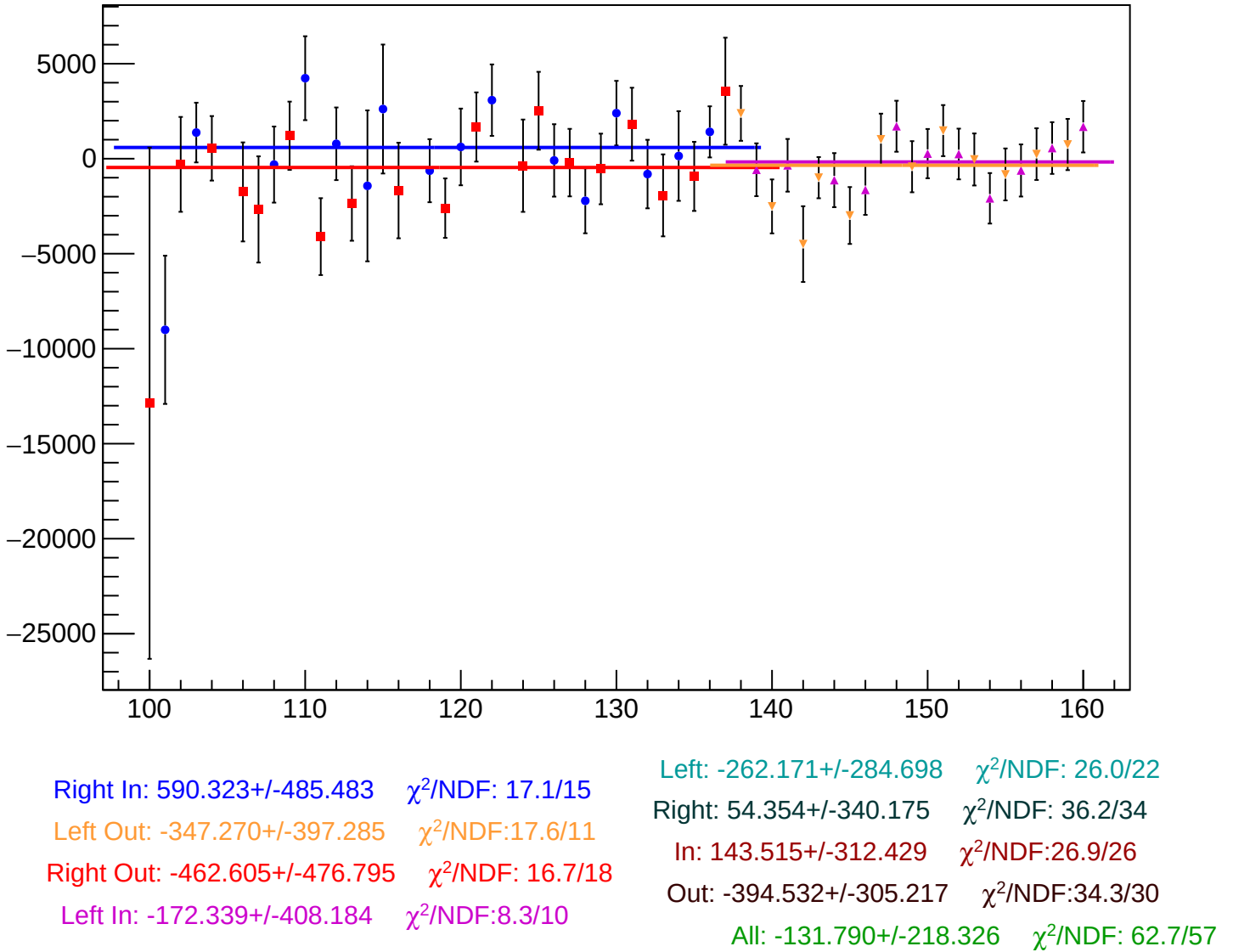
Left: 670.204+/-0.111 χ^2/NDF: 1308770.2/22

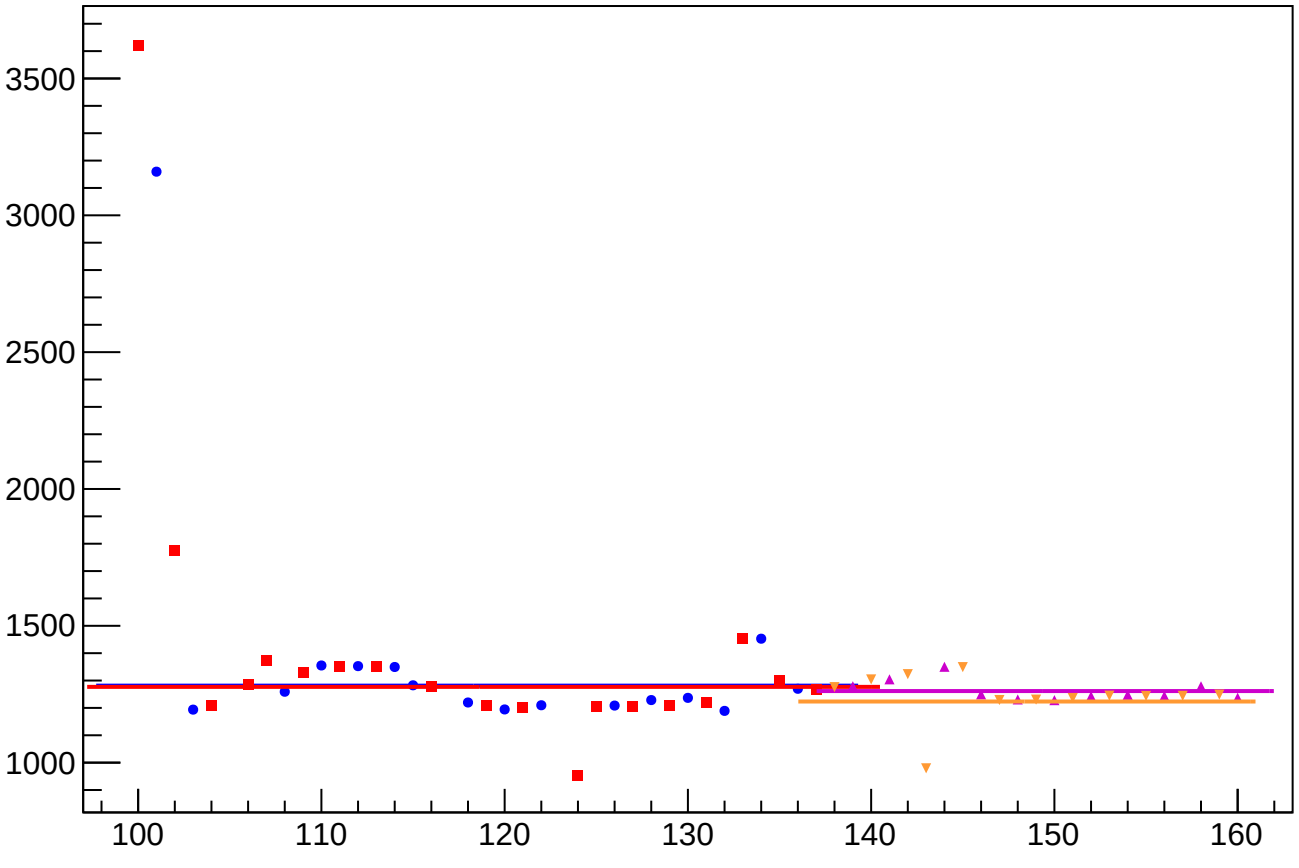
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 750.072+/-0.136 χ^2/NDF:3054894.9/26

Out: 774.545+/-0.143 χ^2/NDF:4456541.6/30

All: 761.709+/-0.099 χ^2/NDF: 7526786.6/57


eigen_dit_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: 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: -172.339+/-408.184 χ²/NDF:8.3/10
Left: -262.171+/-284.698 χ²/NDF: 26.0/22
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 143.515+/-312.429 χ²/NDF:26.9/26
Out: -394.532+/-305.217 χ²/NDF:34.3/30
All: -131.790+/-218.326 χ²/NDF: 62.7/57



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: 1261.566+/-0.289 χ^2/NDF:14458.7/10

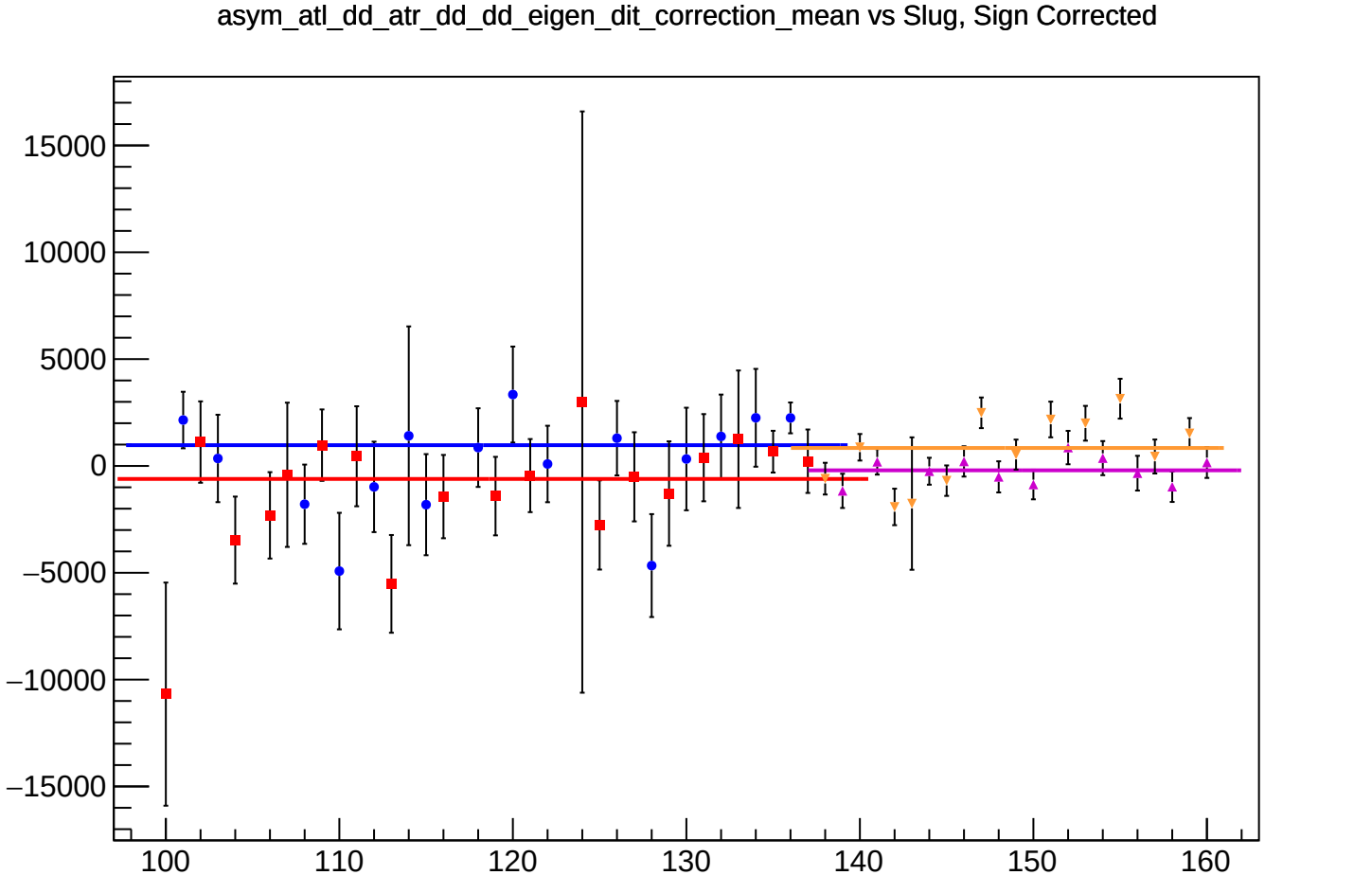
Left: 1241.951+/-0.201 χ^2/NDF: 155474.4/22

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1269.767+/-0.221 χ^2/NDF:523486.9/26

Out: 1245.289+/-0.216 χ^2/NDF:367392.9/30

All: 1257.242+/-0.154 χ^2/NDF: 897161.2/57



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: -204.795+/-216.071 χ^2/NDF:7.1/10

Left: 292.603+/-156.433 χ^2/NDF: 55.1/22

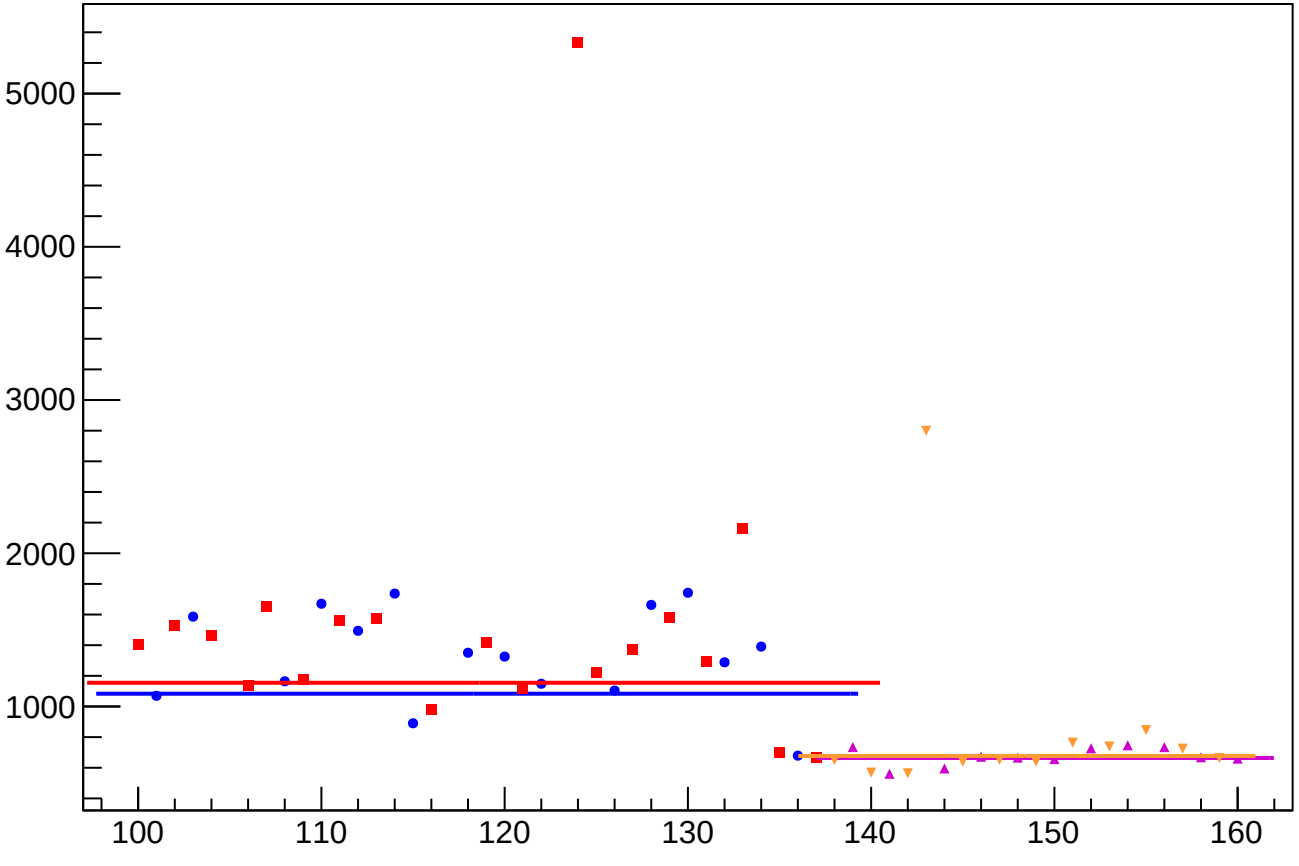
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 36.761+/-192.628 χ^2/NDF:33.7/26

Out: 544.690+/-202.307 χ^2/NDF:62.3/30

All: 278.286+/-139.505 χ^2/NDF: 99.2/57

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: 664.022+/-0.153 χ^2/NDF:149029.5/10

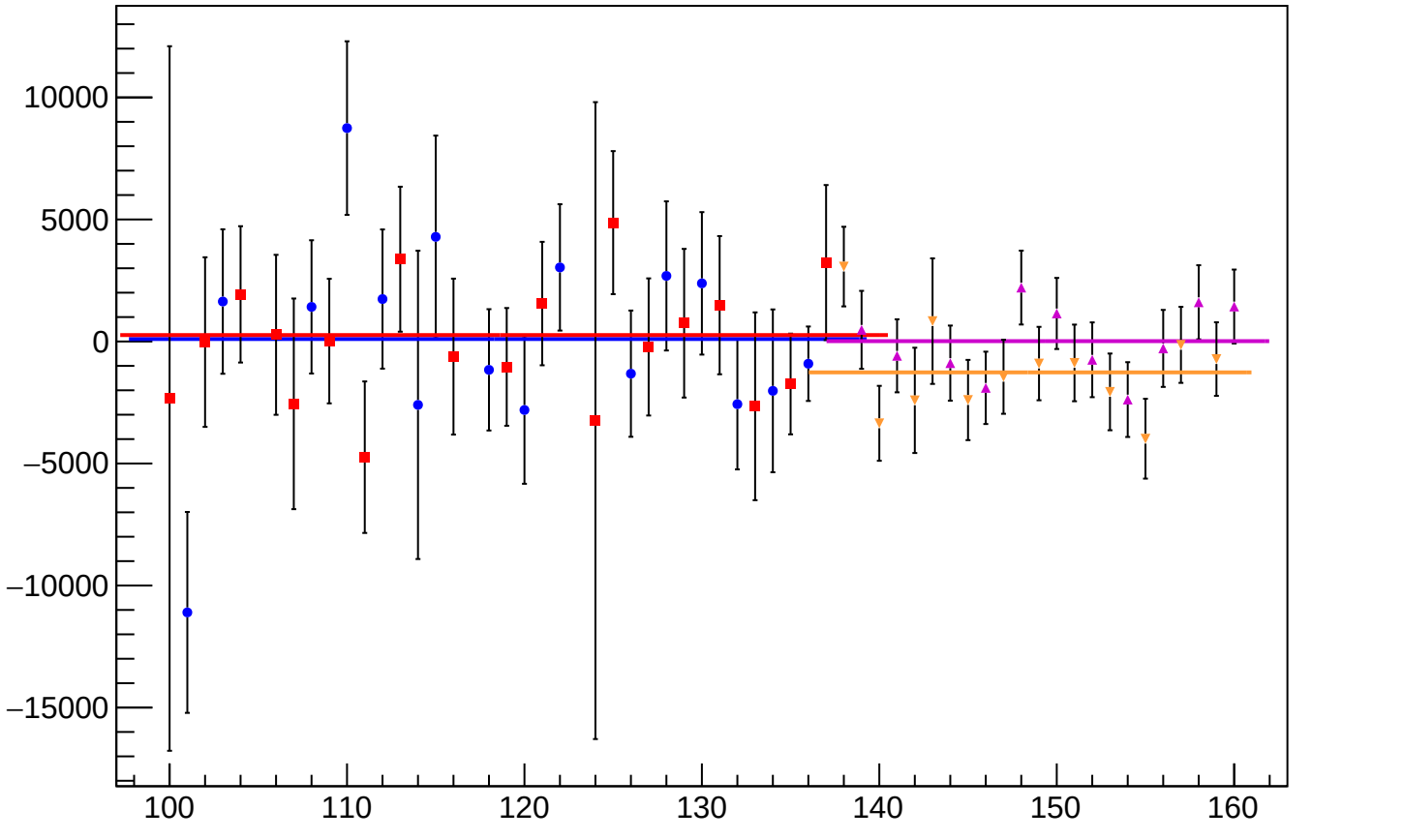
Left: 670.205+/-0.111 χ^2/NDF: 1308764.5/22

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 750.074+/-0.136 χ^2/NDF:3054874.4/26

Out: 774.548+/-0.143 χ^2/NDF:4456507.5/30

All: 761.711+/-0.099 χ^2/NDF: 7526733.7/57



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: 14.145+/-458.917 χ^2/NDF:9.7/10

Left: -605.321+/-329.731 χ^2/NDF: 27.6/22

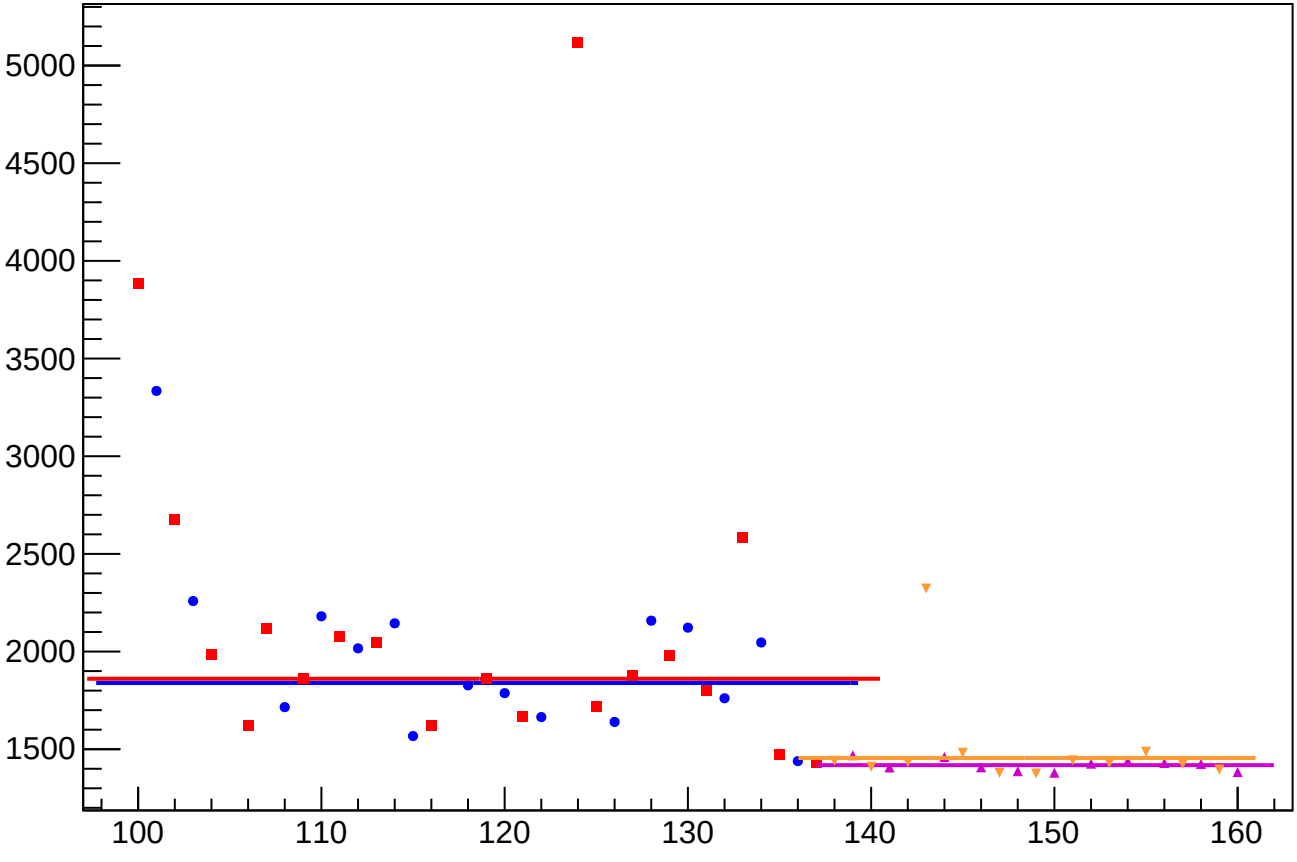
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 40.142+/-383.624 χ^2/NDF:31.0/26

Out: -785.305+/-392.477 χ^2/NDF:27.7/30

All: -363.167+/-274.340 χ^2/NDF: 61.0/57

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: 1418.484+/-0.325 χ^2/NDF:7579.7/10

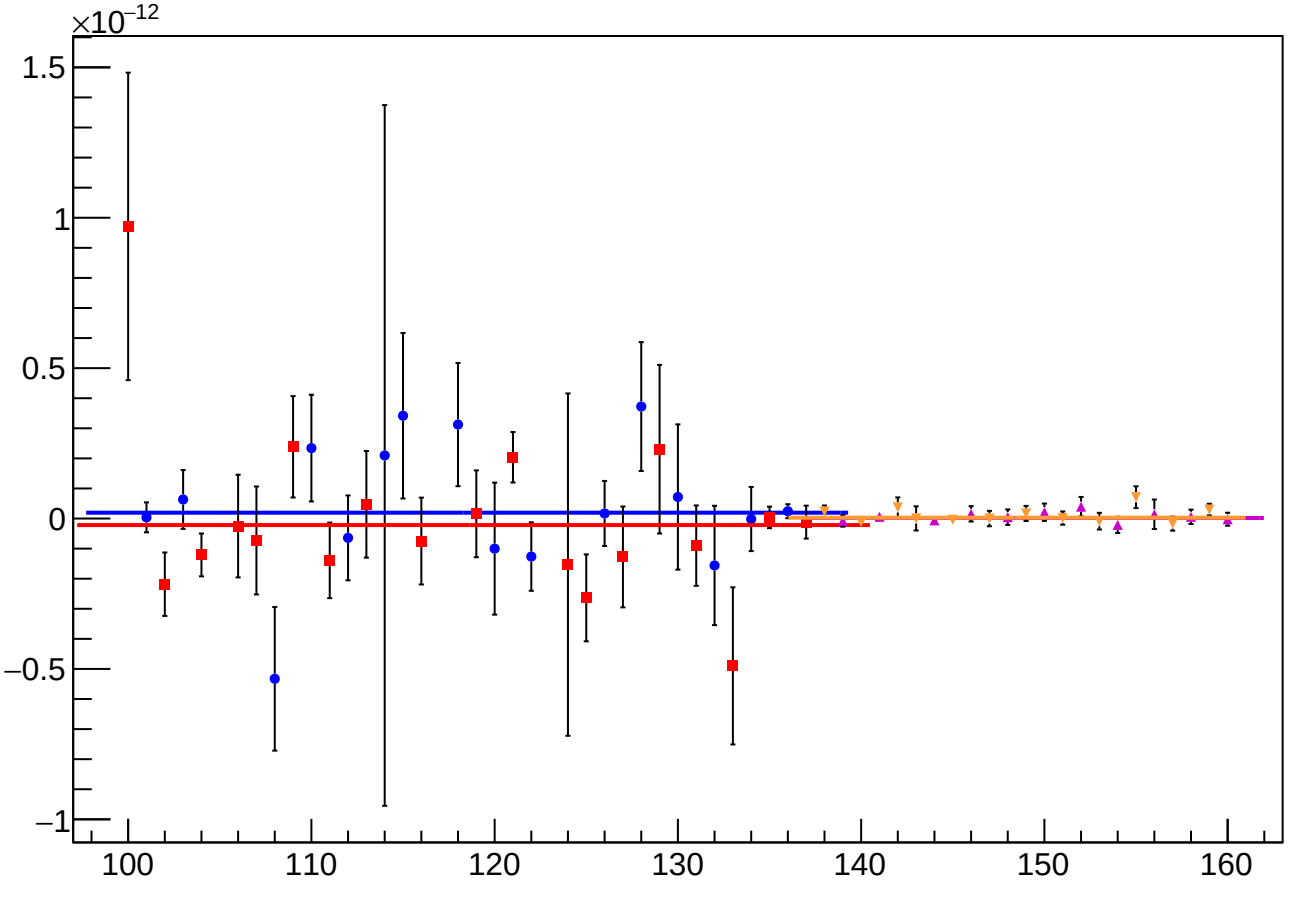
Left: 1436.285+/-0.233 χ^2/NDF: 259813.5/22

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1545.185+/-0.271 χ^2/NDF:1070408.6/26

Out: 1582.850+/-0.278 χ^2/NDF:1228427.5/30

All: 1563.588+/-0.194 χ^2/NDF: 2308256.2/57



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:3.7/10

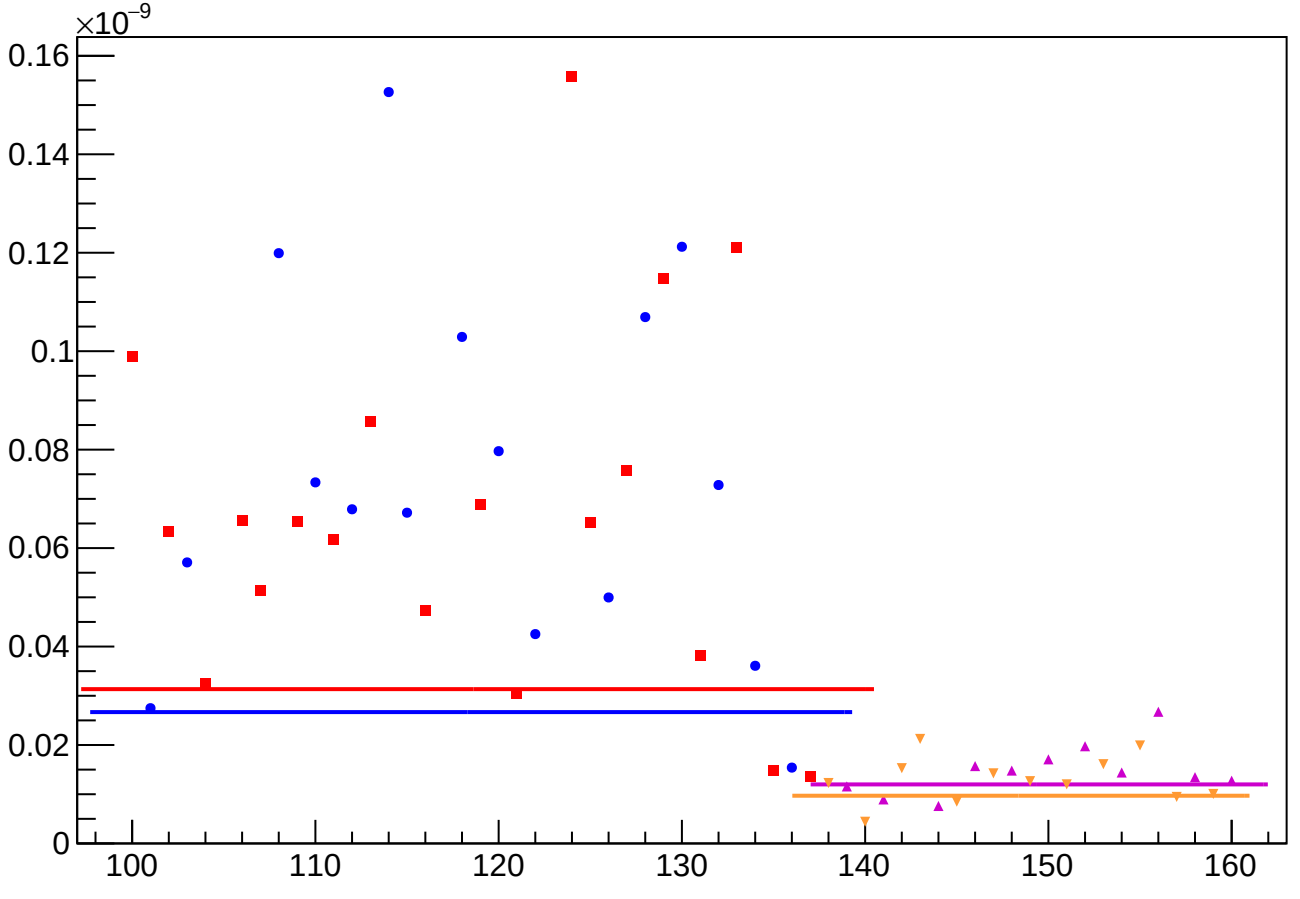
Left: 0.000+/-0.000 χ^2/NDF: 14.8/22

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.9/26

Out: 0.000+/-0.000 χ^2/NDF:40.4/30

All: 0.000+/-0.000 χ^2/NDF: 61.4/57



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:740193.6/10

Left: 0.000+/-0.000 χ^2/NDF: 2012565.5/22

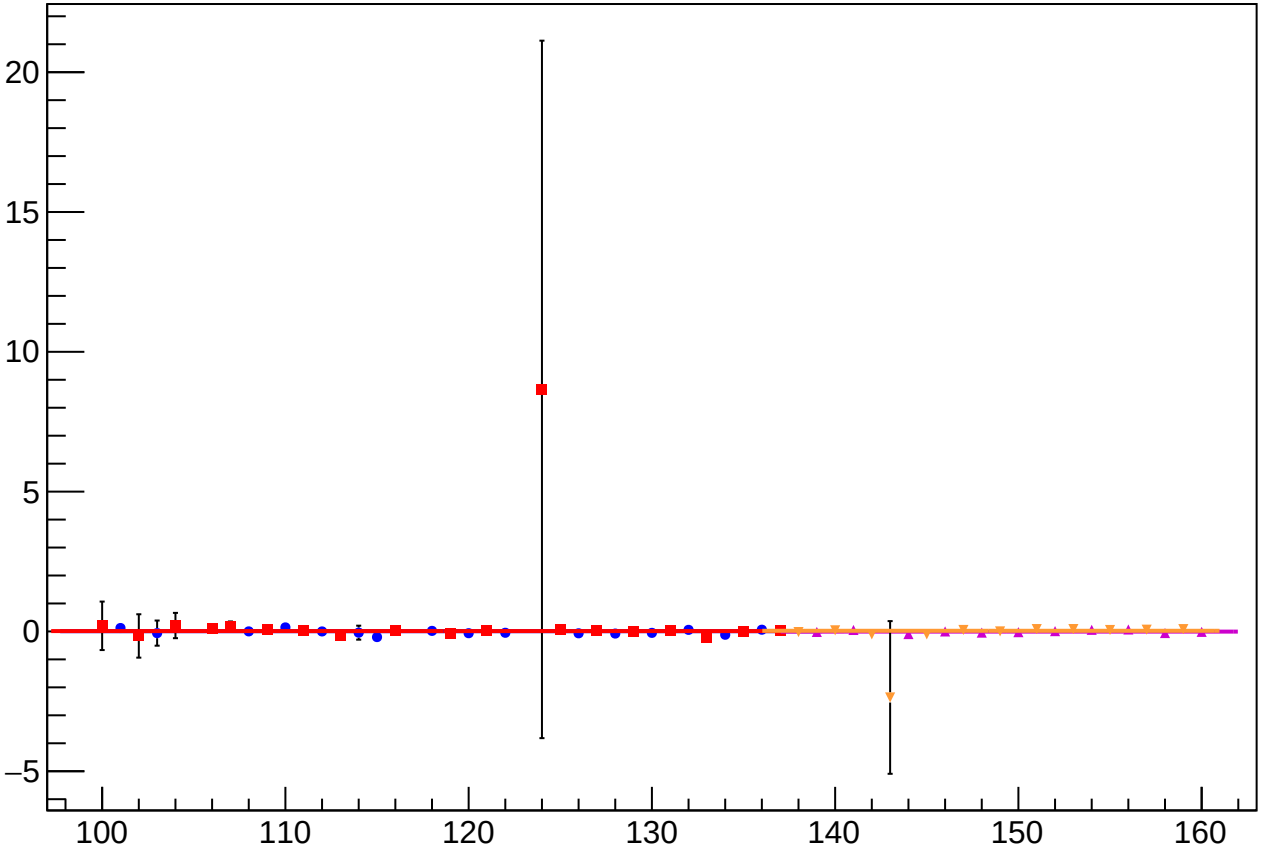
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4408506.1/26

Out: 0.000+/-0.000 χ^2/NDF:5175024.1/30

All: 0.000+/-0.000 χ^2/NDF: 9757226.6/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

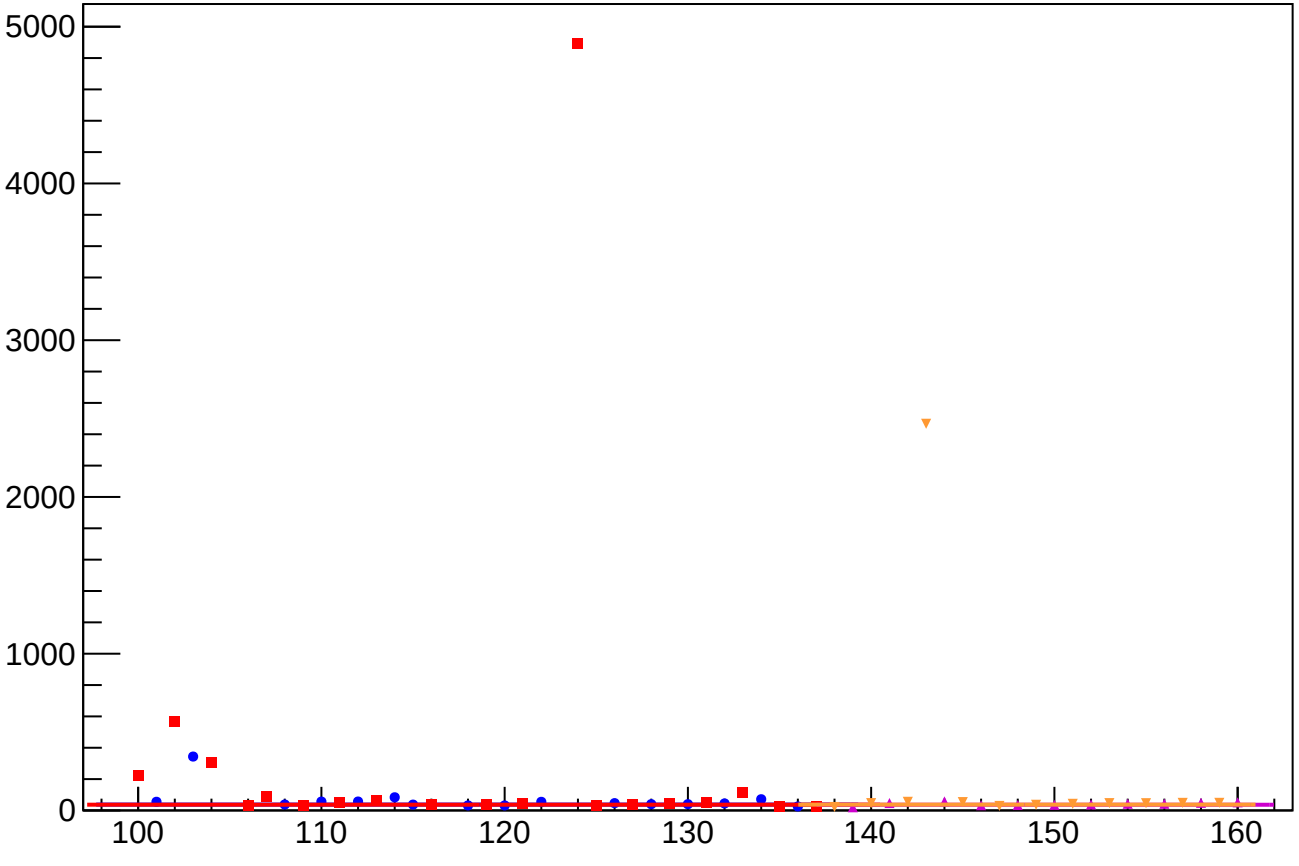
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.387+/-0.009 χ^2/NDF:1340802.6/10

Left: 36.807+/-0.007 χ^2/NDF: 4215869.1/22

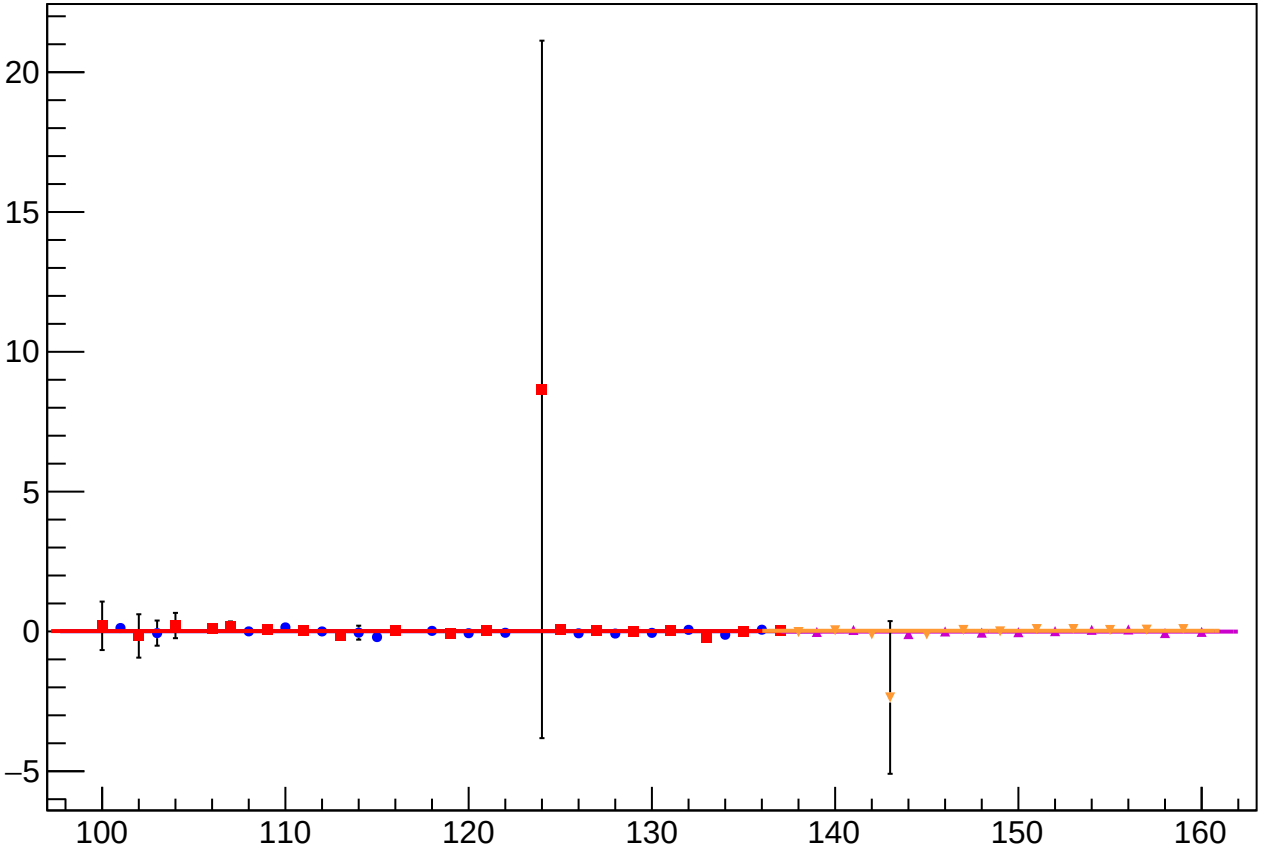
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57

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:9.6/10

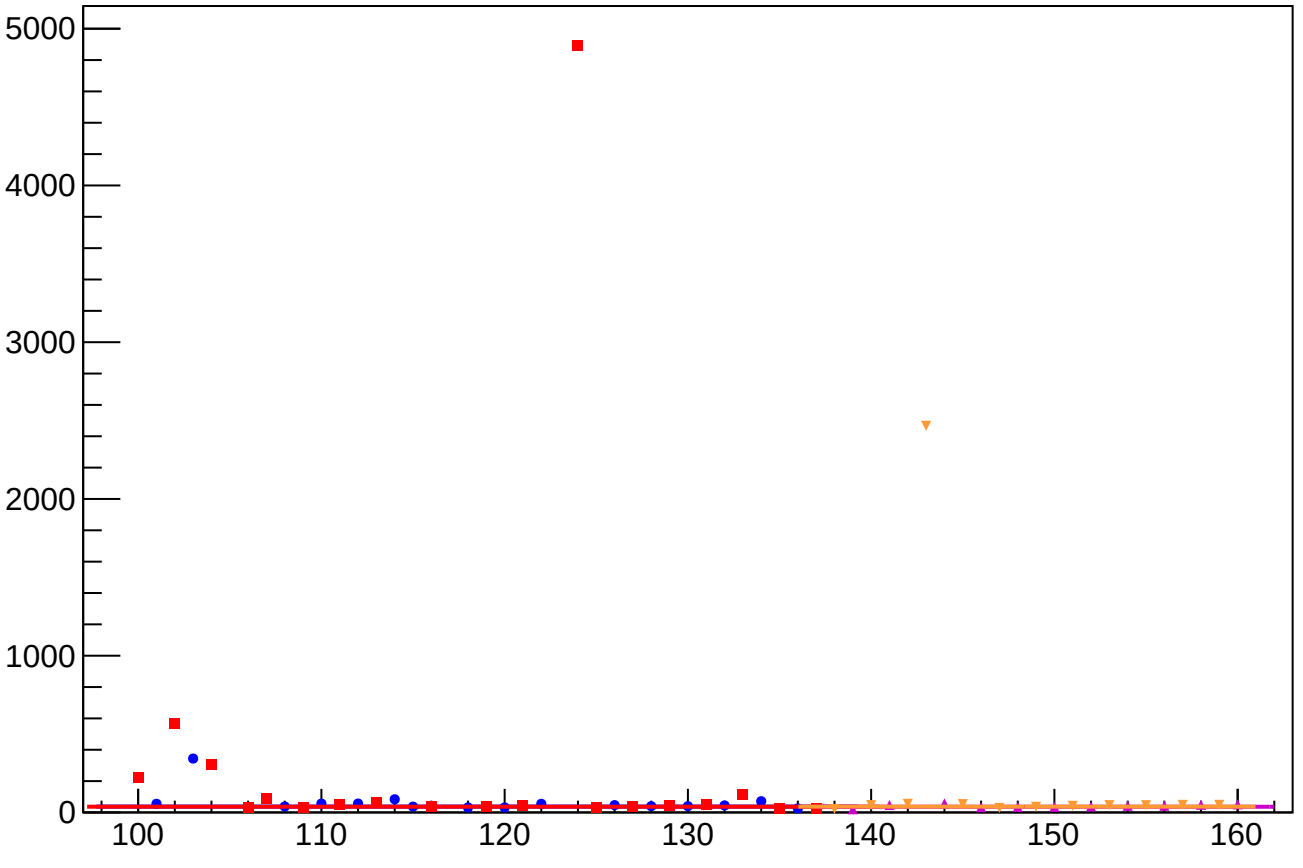
Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57



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: 36.387+/-0.009 χ^2/NDF:1340802.6/10

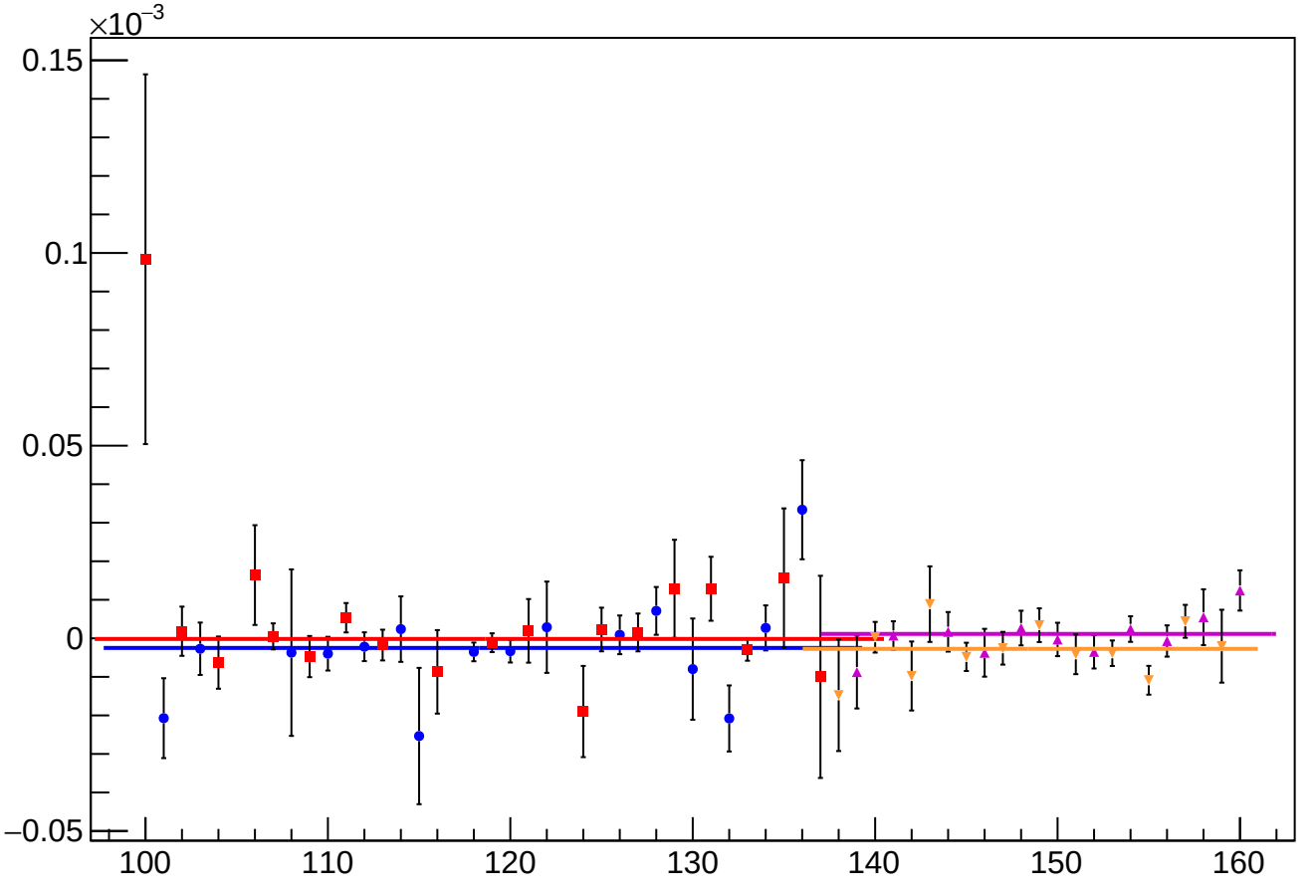
Left: 36.807+/-0.007 χ^2/NDF: 4215869.1/22

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57



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:8.5/10

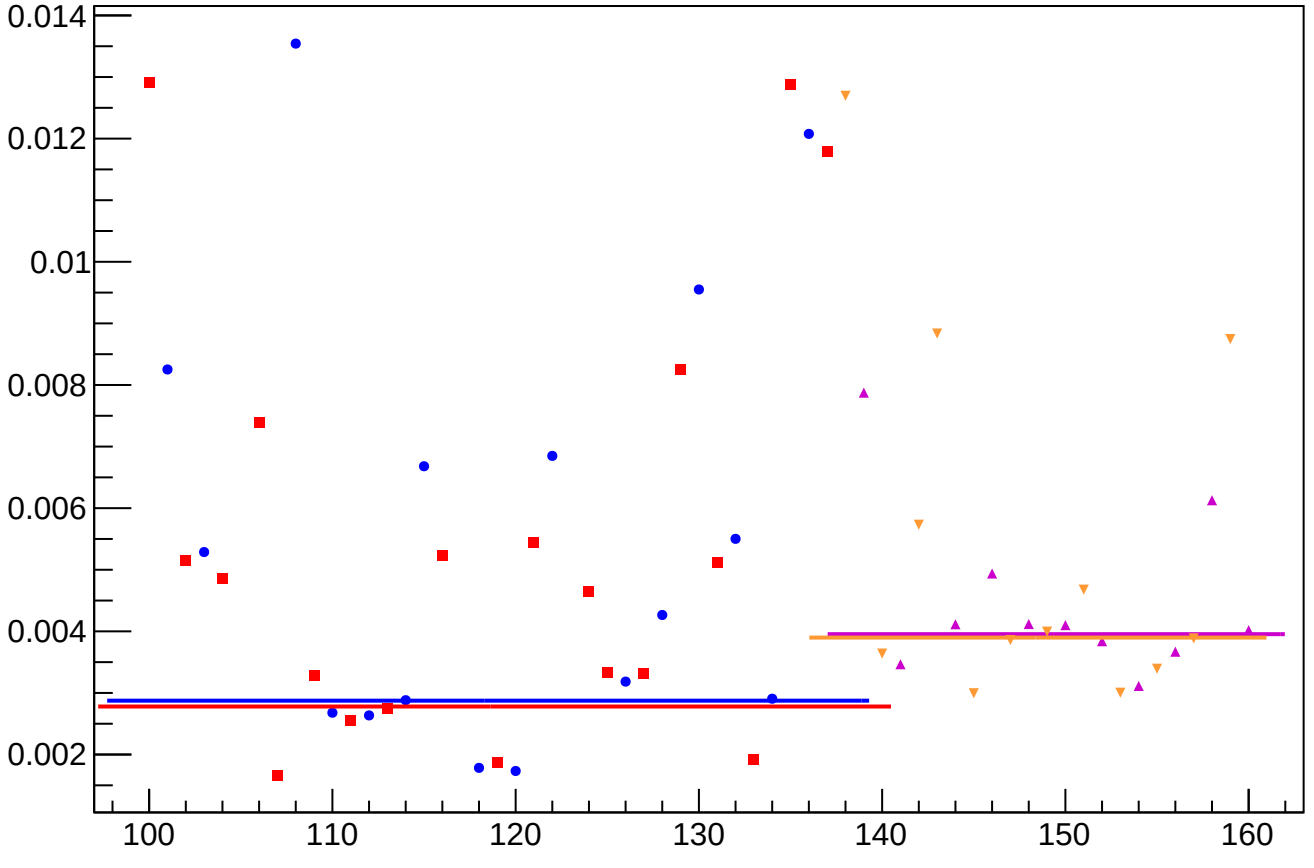
Left: -0.000+/-0.000 χ^2/NDF: 25.8/22

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.0/26

Out: -0.000+/-0.000 χ^2/NDF:34.2/30

All: -0.000+/-0.000 χ^2/NDF: 68.3/57



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:756069.8/10

Left: 0.004+/-0.000 χ^2/NDF: 2969633.4/22

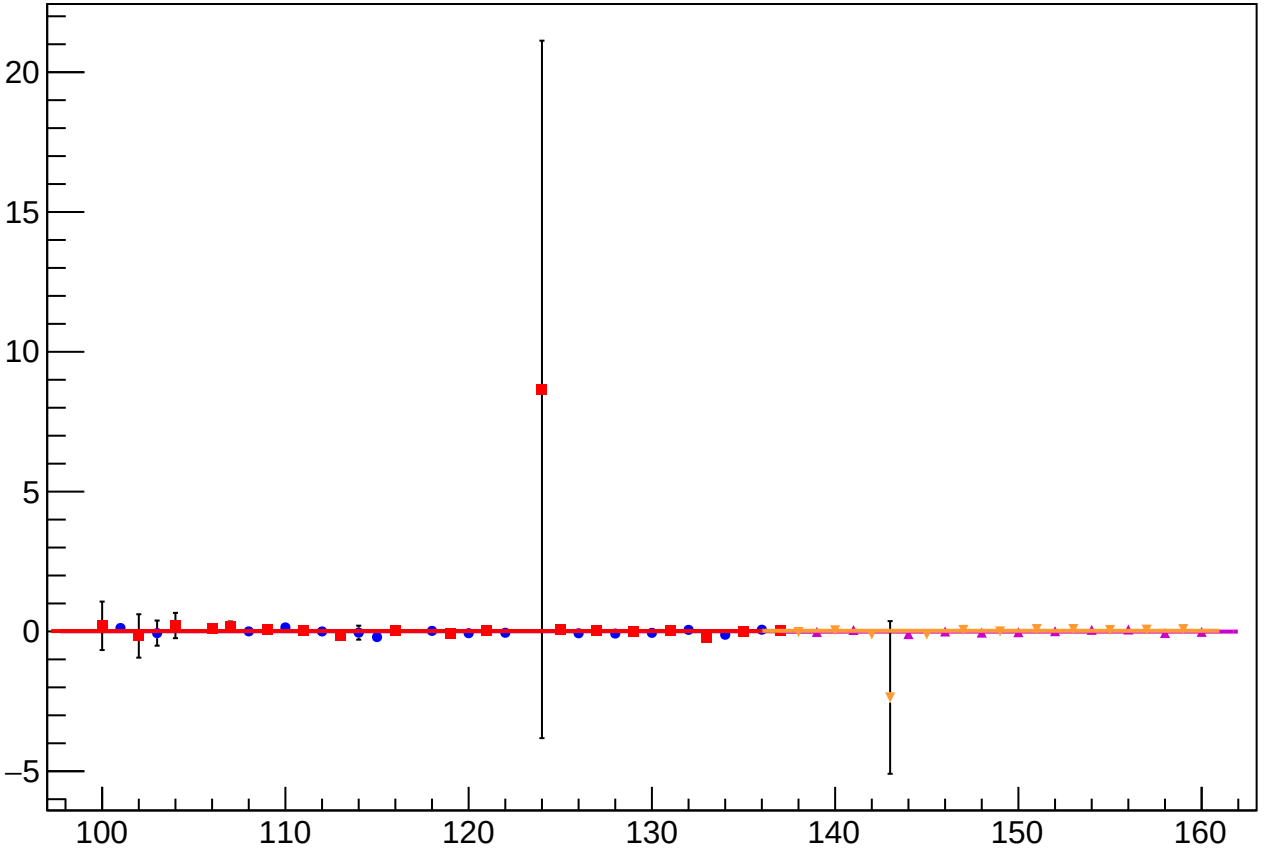
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5545492.1/26

Out: 0.003+/-0.000 χ^2/NDF:6298746.0/30

All: 0.003+/-0.000 χ^2/NDF: 11861383.2/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

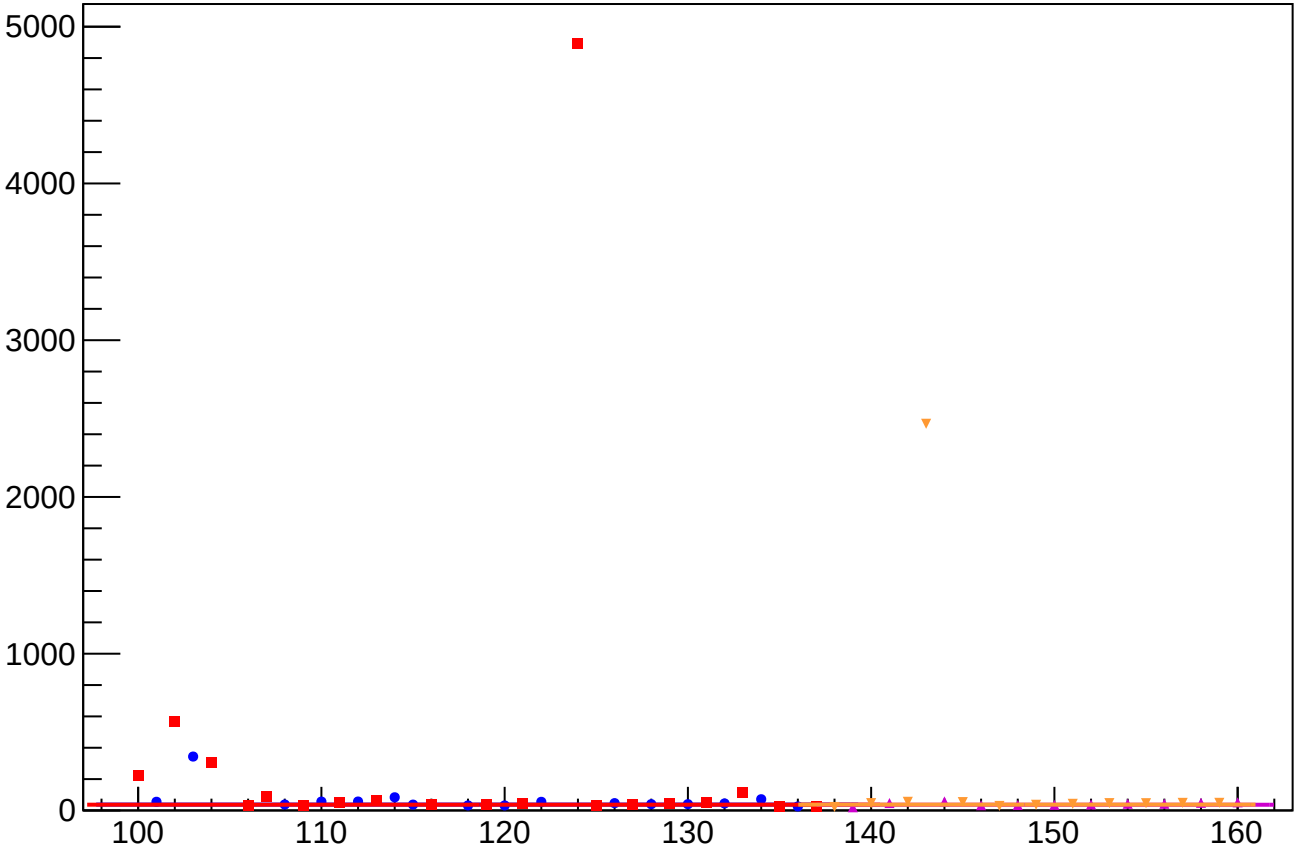
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.390+/-0.009 χ^2/NDF:1339766.7/10

Left: 36.808+/-0.007 χ^2/NDF: 4215372.9/22

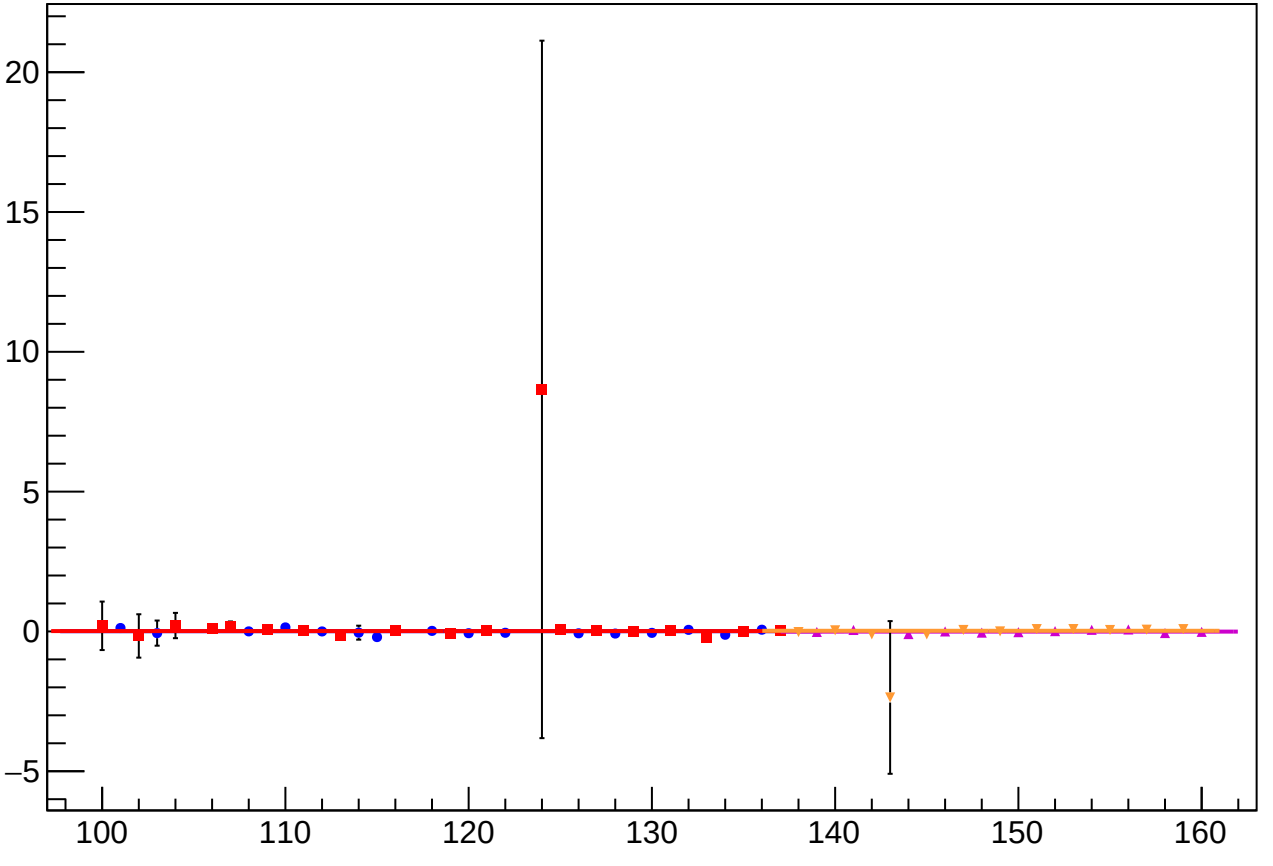
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

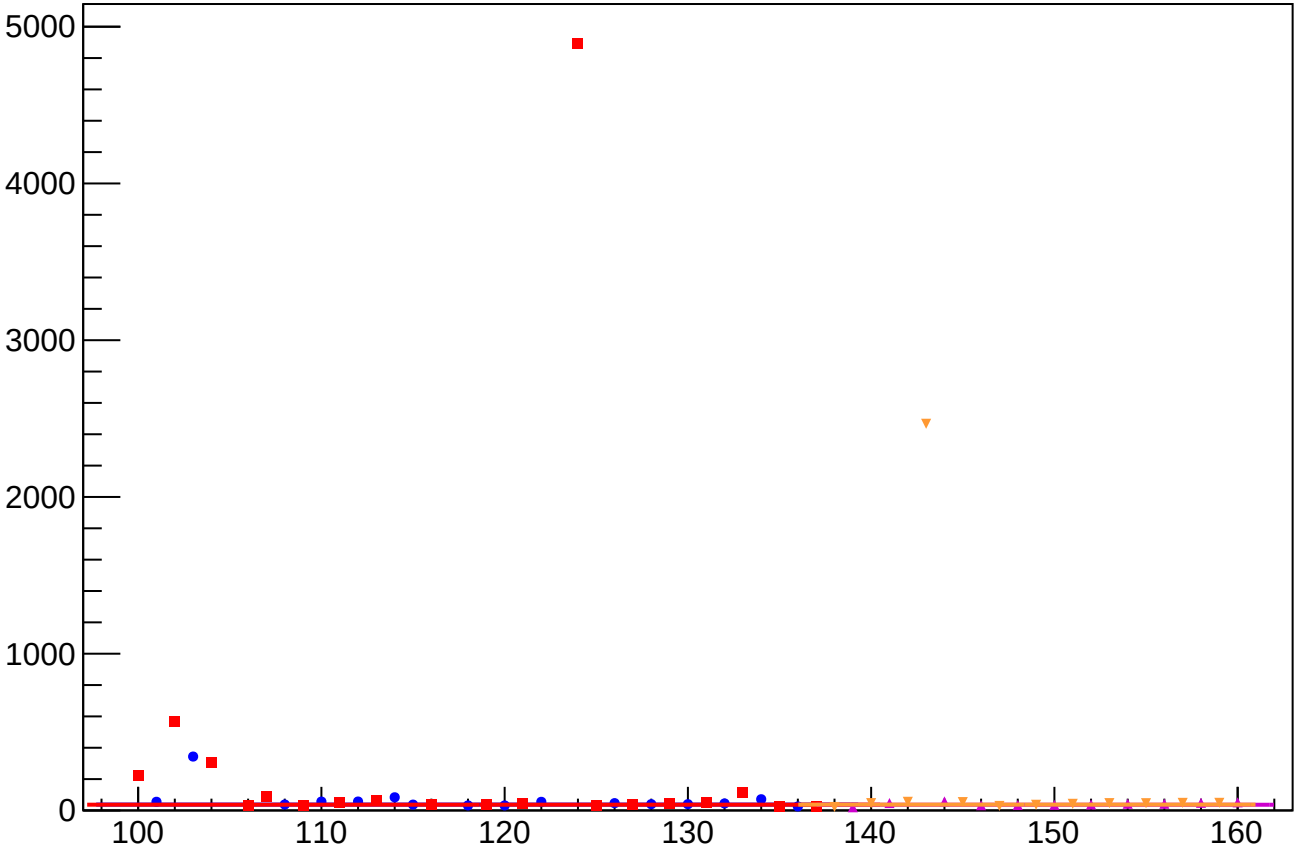
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.390+/-0.009 χ^2/NDF:1339766.7/10

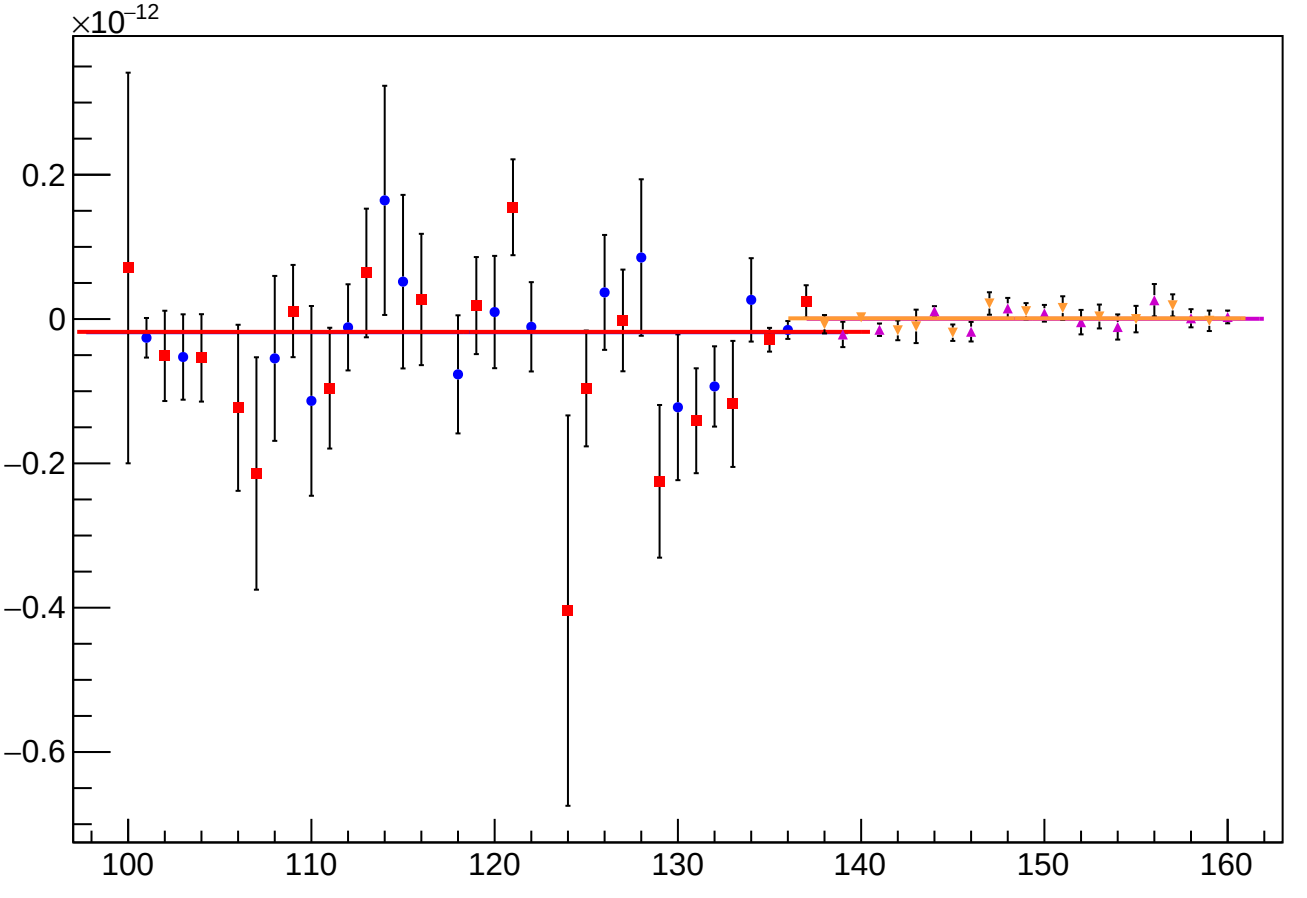
Left: 36.808+/-0.007 χ^2/NDF: 4215372.9/22

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57



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:11.9/10

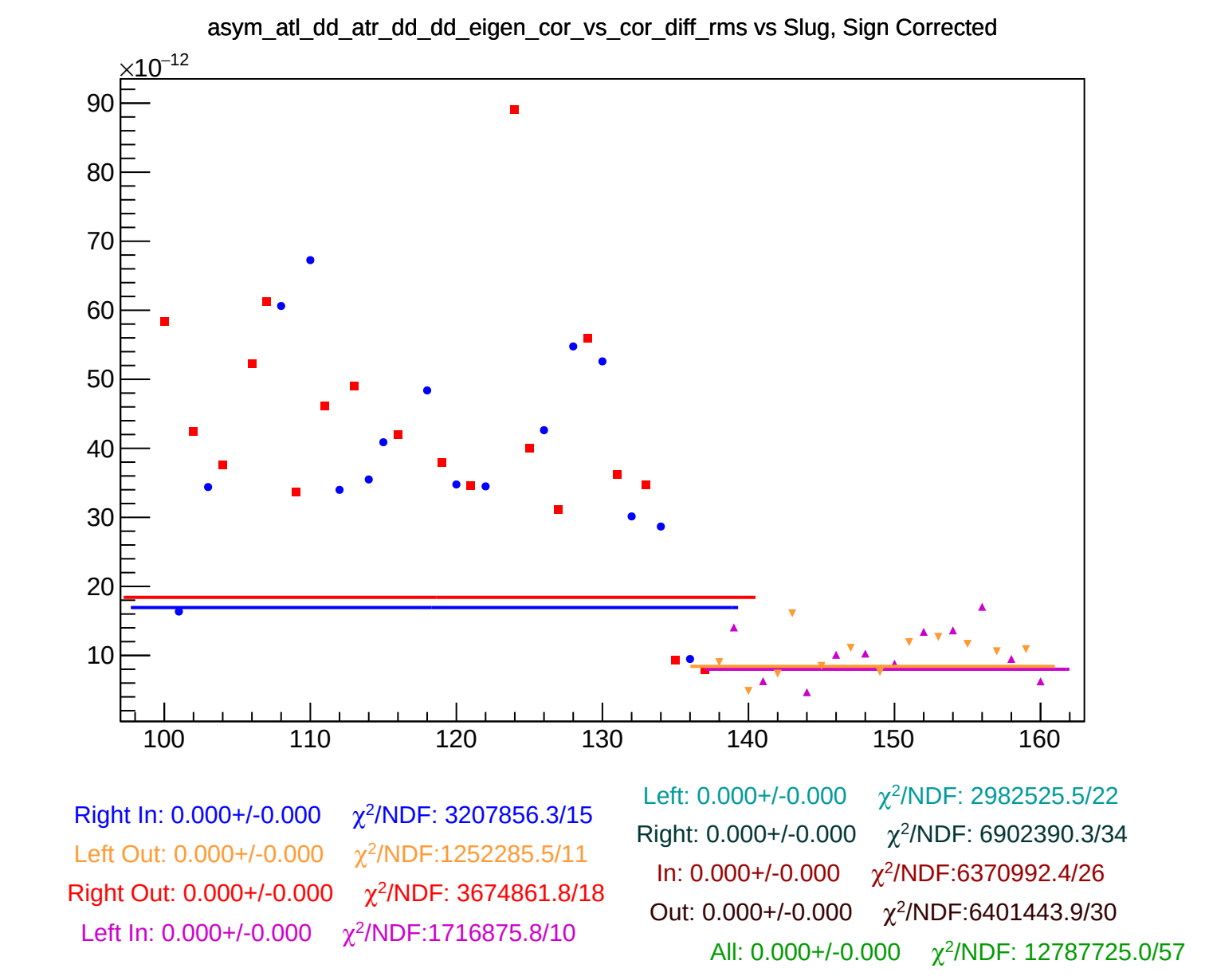
Left: 0.000+/-0.000 χ^2/NDF: 21.9/22

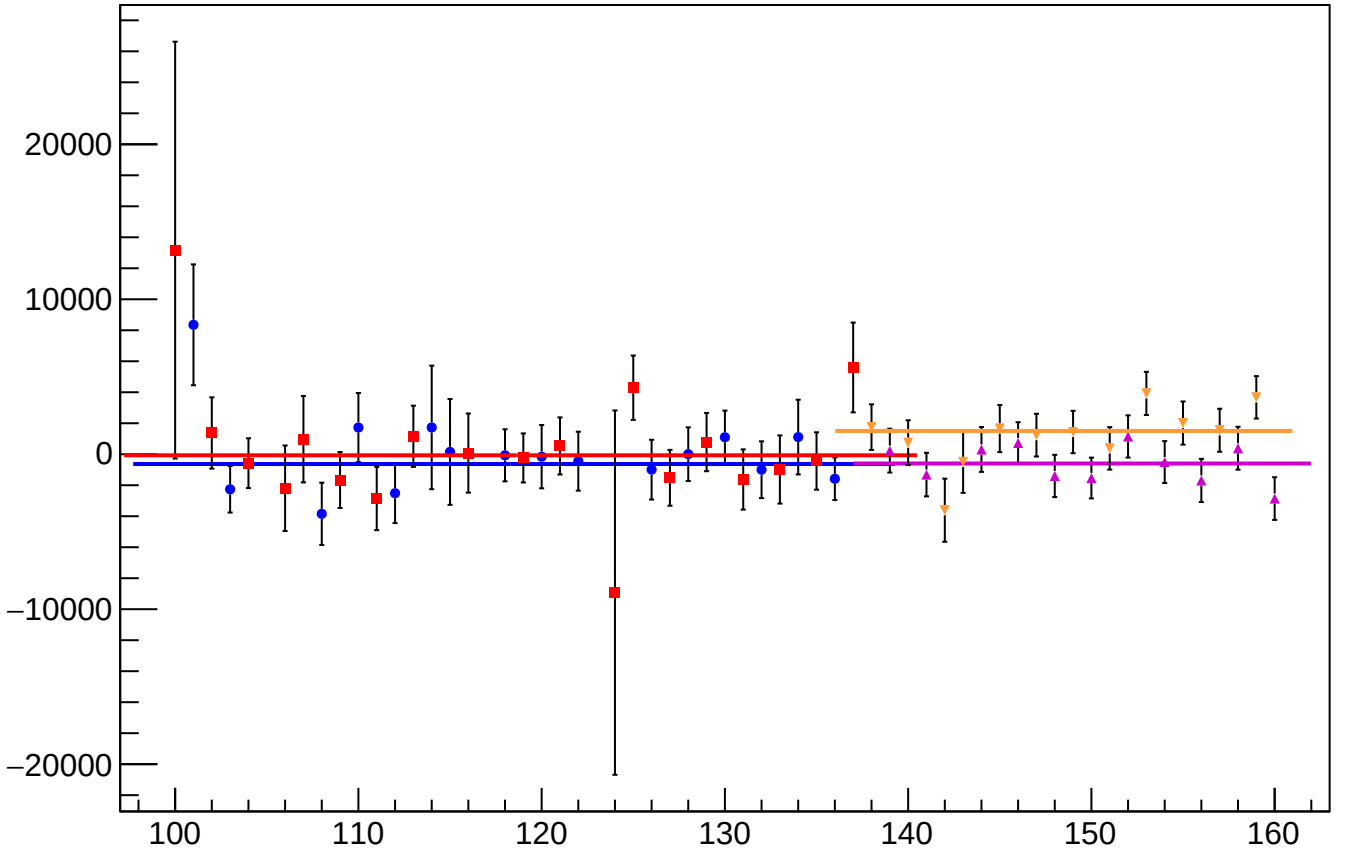
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.4/26

Out: -0.000+/-0.000 χ^2/NDF:39.8/30

All: -0.000+/-0.000 χ^2/NDF: 63.2/57


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:1716875.8/10
Left: 0.000+/-0.000 χ²/NDF: 2982525.5/22
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6370992.4/26
Out: 0.000+/-0.000 χ²/NDF:6401443.9/30
All: 0.000+/-0.000 χ²/NDF: 12787725.0/57



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: -597.367+/-415.077 χ^2/NDF:8.3/10

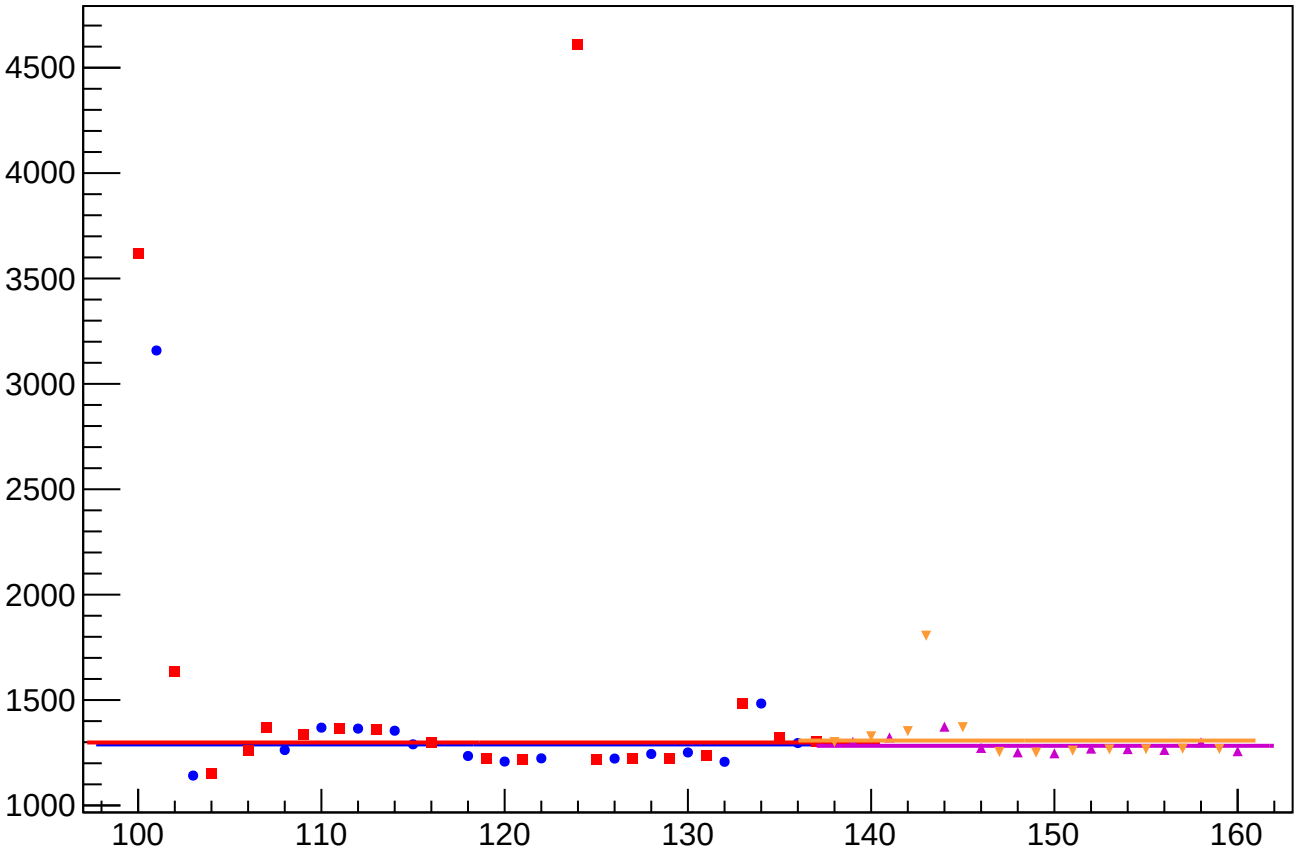
Left: 428.275+/-296.893 χ^2/NDF: 34.8/22

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -611.480+/-316.355 χ^2/NDF:22.2/26

Out: 825.297+/-320.356 χ^2/NDF:35.8/30

All: 97.881+/-225.098 χ^2/NDF: 68.2/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

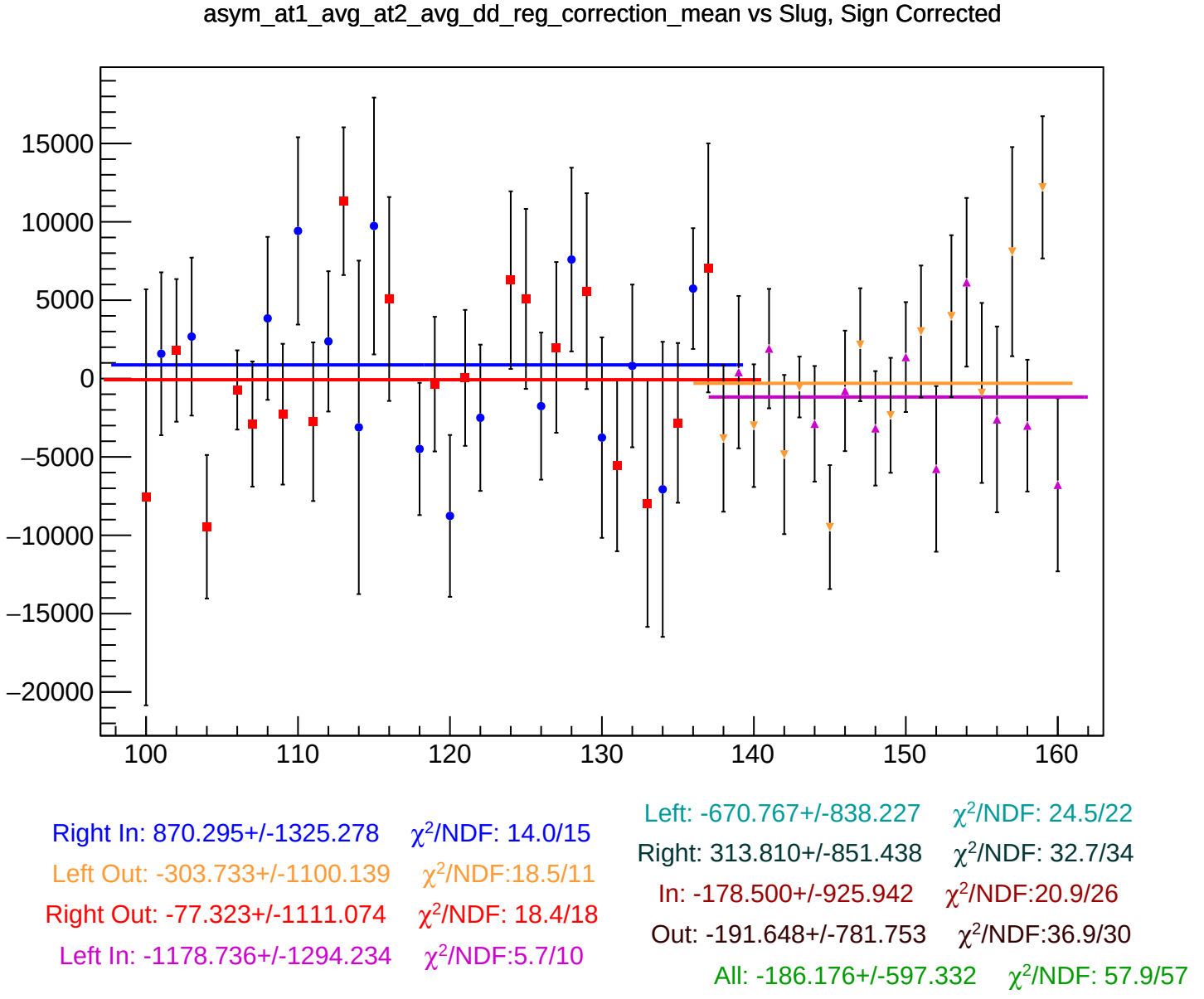
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

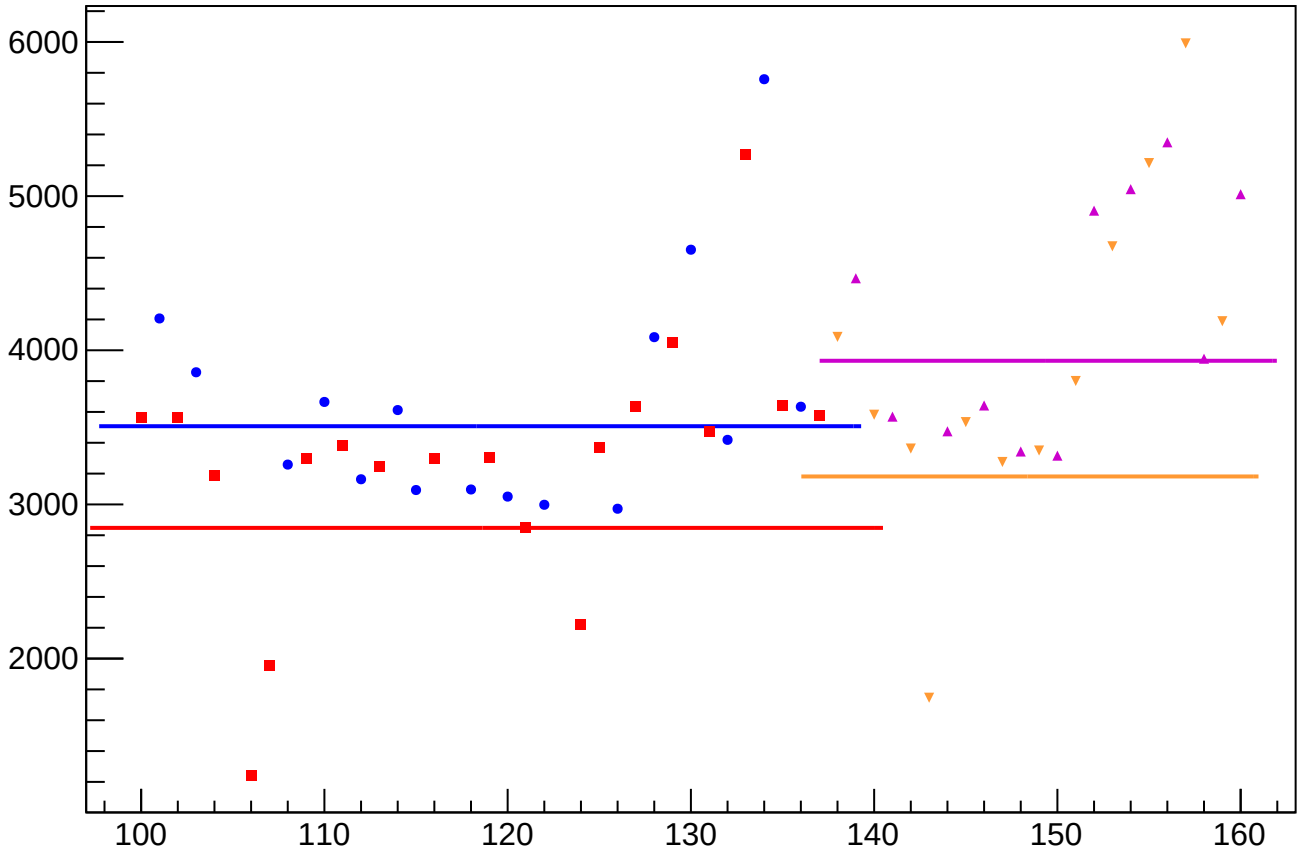
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

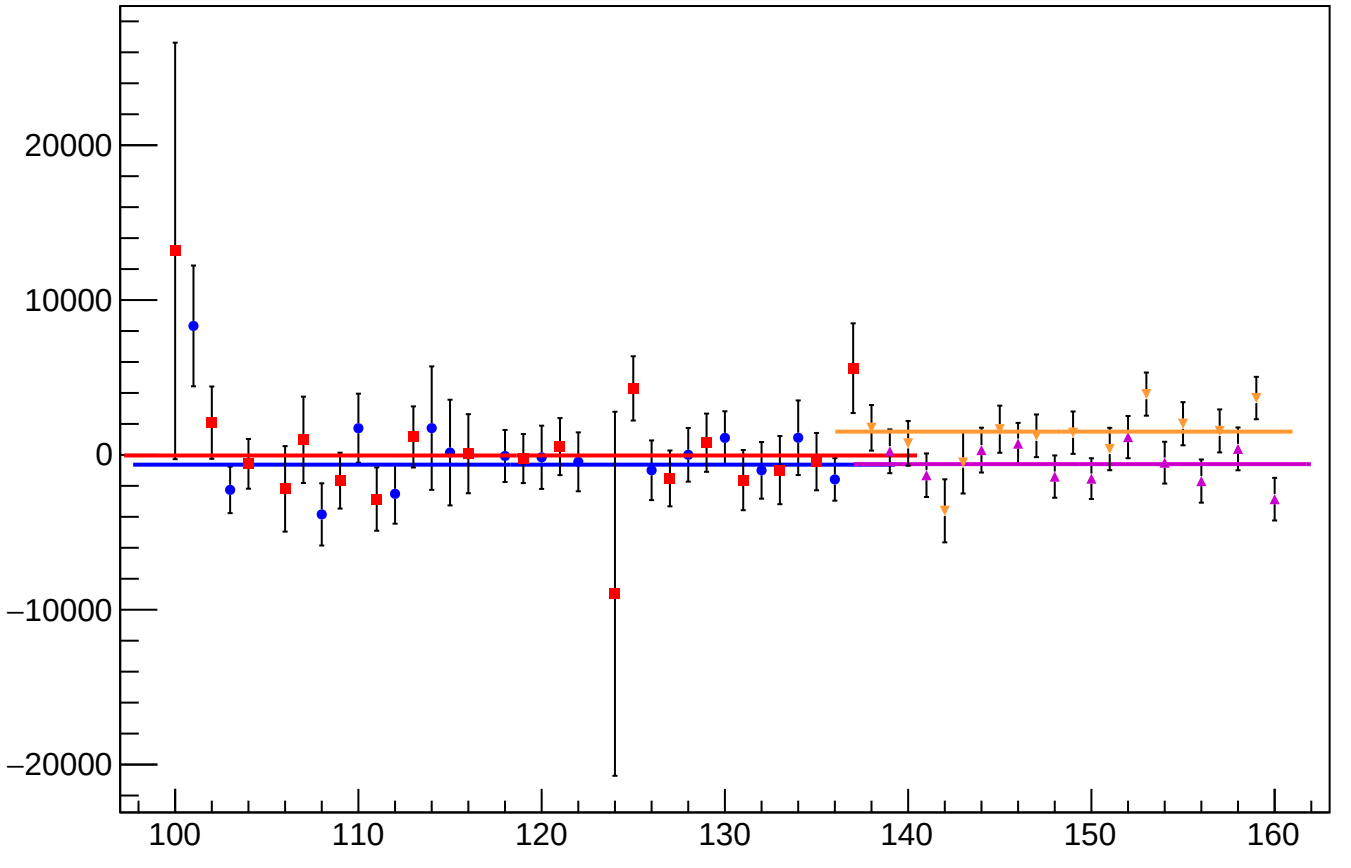
In: 1285.634+/-0.224 χ^2/NDF:529109.1/26

Out: 1303.859+/-0.226 χ^2/NDF:464443.4/30

All: 1294.642+/-0.159 χ^2/NDF: 996833.4/57


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: -1178.736+/-1294.234 χ²/NDF:5.7/10
Left: -670.767+/-838.227 χ²/NDF: 24.5/22
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -178.500+/-925.942 χ²/NDF:20.9/26
Out: -191.648+/-781.753 χ²/NDF:36.9/30
All: -186.176+/-597.332 χ²/NDF: 57.9/57


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: 3931.901+/-0.915 χ²/NDF:542555.0/10
Left: 3496.189+/-0.593 χ²/NDF: 3062401.4/22
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3724.679+/-0.655 χ²/NDF:1001565.9/26
Out: 3016.247+/-0.553 χ²/NDF:3719764.2/30
All: 3311.070+/-0.422 χ²/NDF: 5404847.5/57



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: -597.365+/-415.077 χ^2/NDF:8.3/10

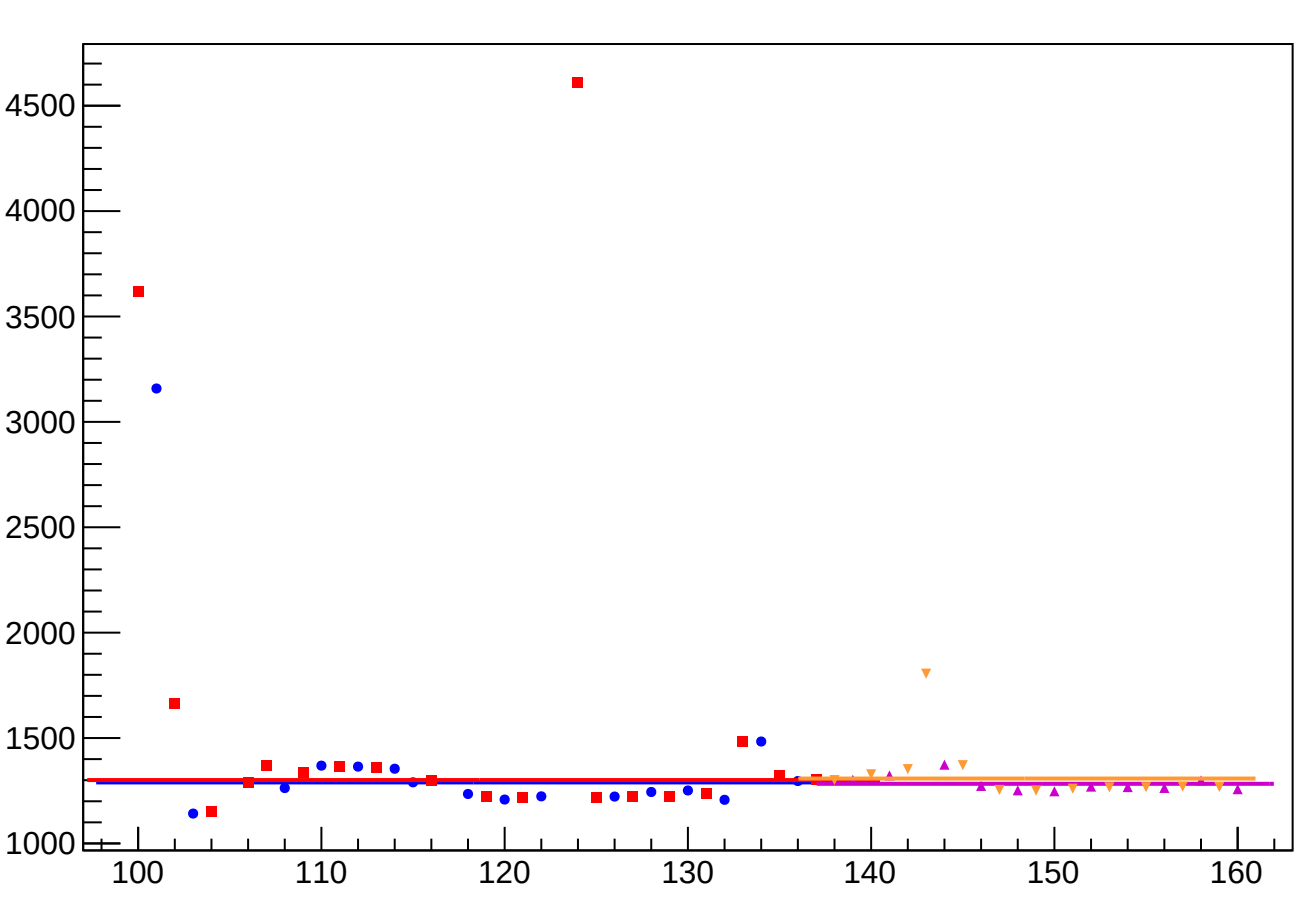
Left: 428.281+/-296.893 χ^2/NDF: 34.8/22

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 104.023+/-225.130 χ^2/NDF: 68.5/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

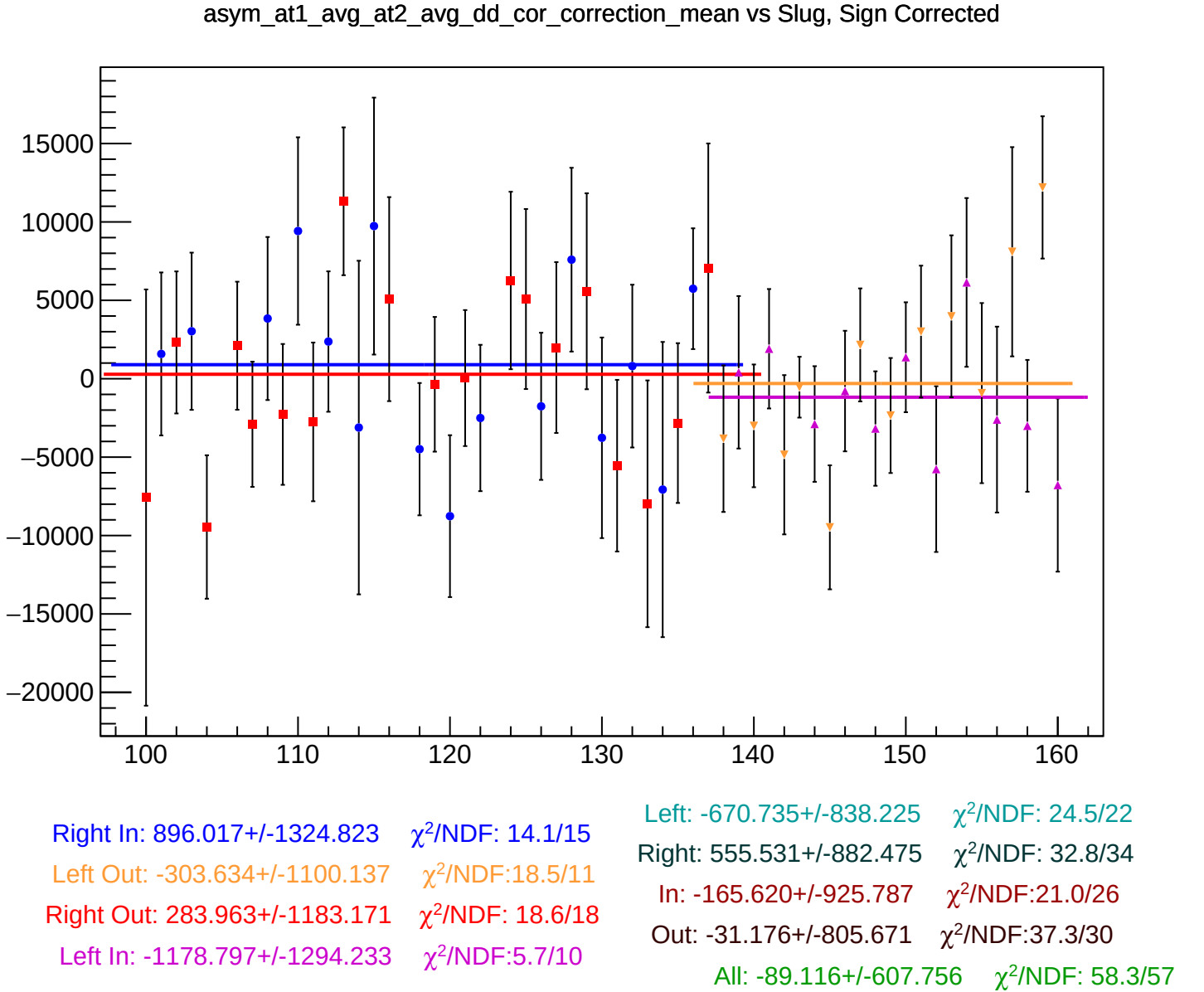
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

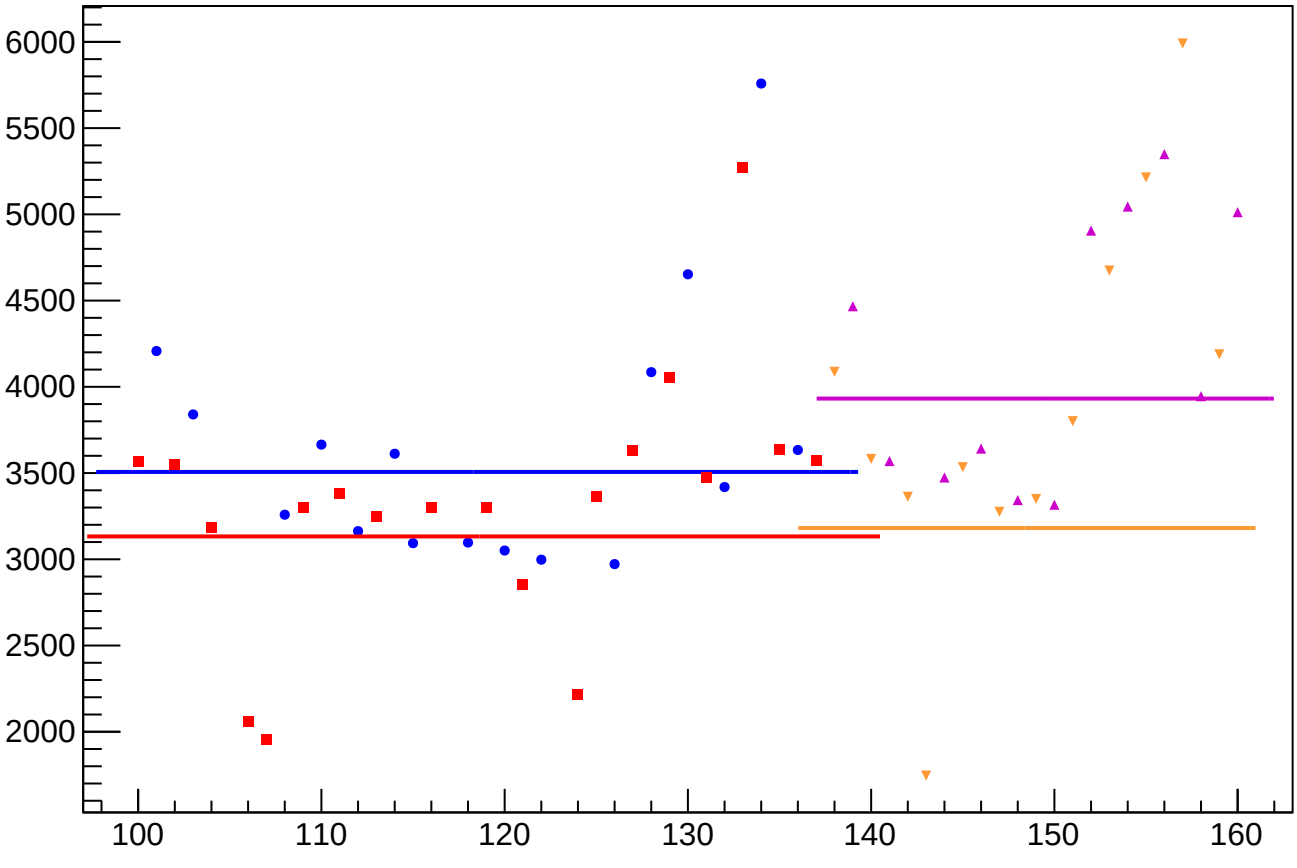
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

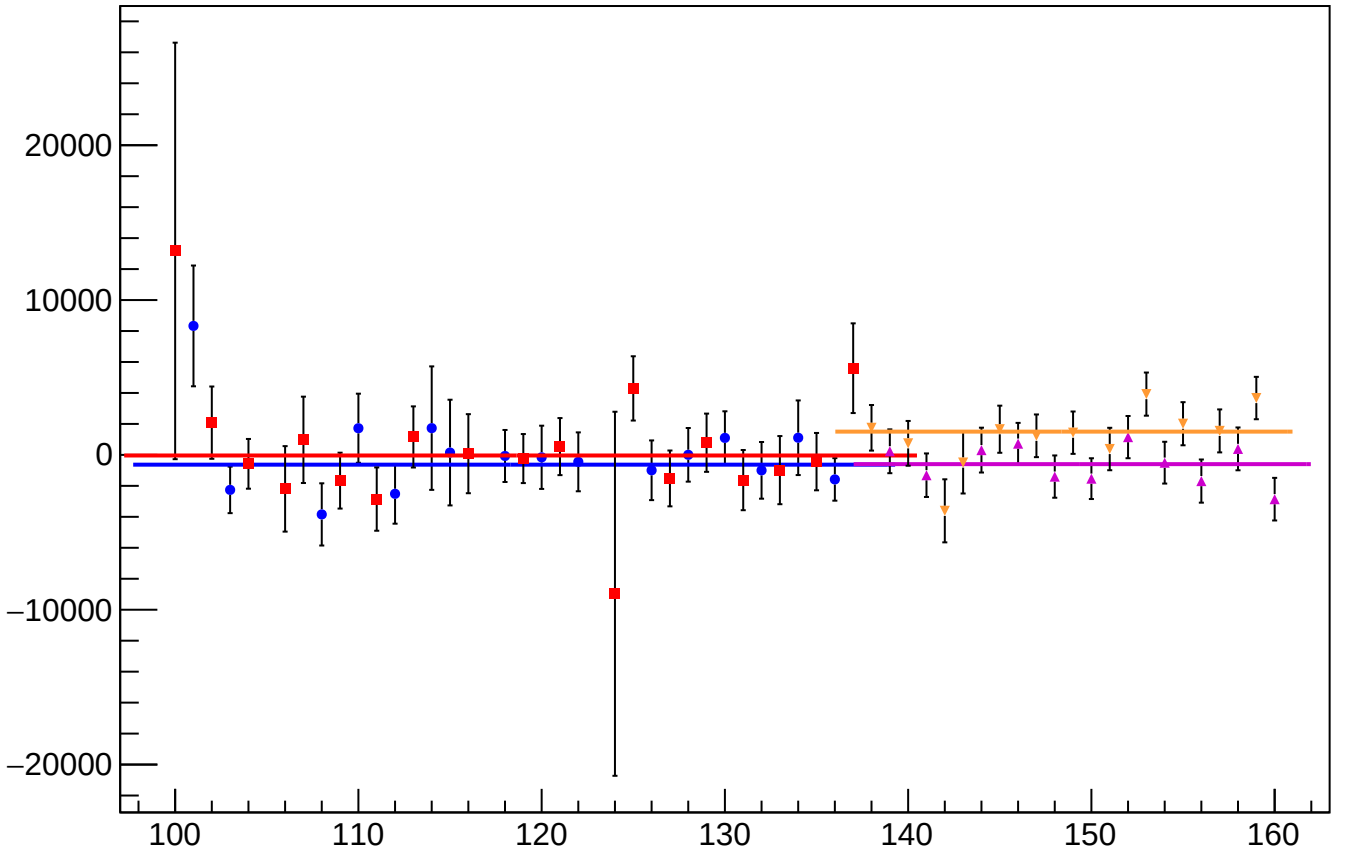
In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57


asym_at1_avg_at2_avg_dd_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: -1178.797+/-1294.233 χ²/NDF:5.7/10
Left: -670.735+/-838.225 χ²/NDF: 24.5/22
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -165.620+/-925.787 χ²/NDF:21.0/26
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -89.116+/-607.756 χ²/NDF: 58.3/57


asym_at1_avg_at2_avg_dd_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: 3931.897+/-0.915 χ²/NDF:542555.5/10
Left: 3496.180+/-0.593 χ²/NDF: 3062432.1/22
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3724.158+/-0.655 χ²/NDF:1001312.5/26
Out: 3158.741+/-0.570 χ²/NDF:2780842.6/30
All: 3402.413+/-0.430 χ²/NDF: 4206666.7/57



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: -597.365+/-415.077 χ^2/NDF:8.3/10

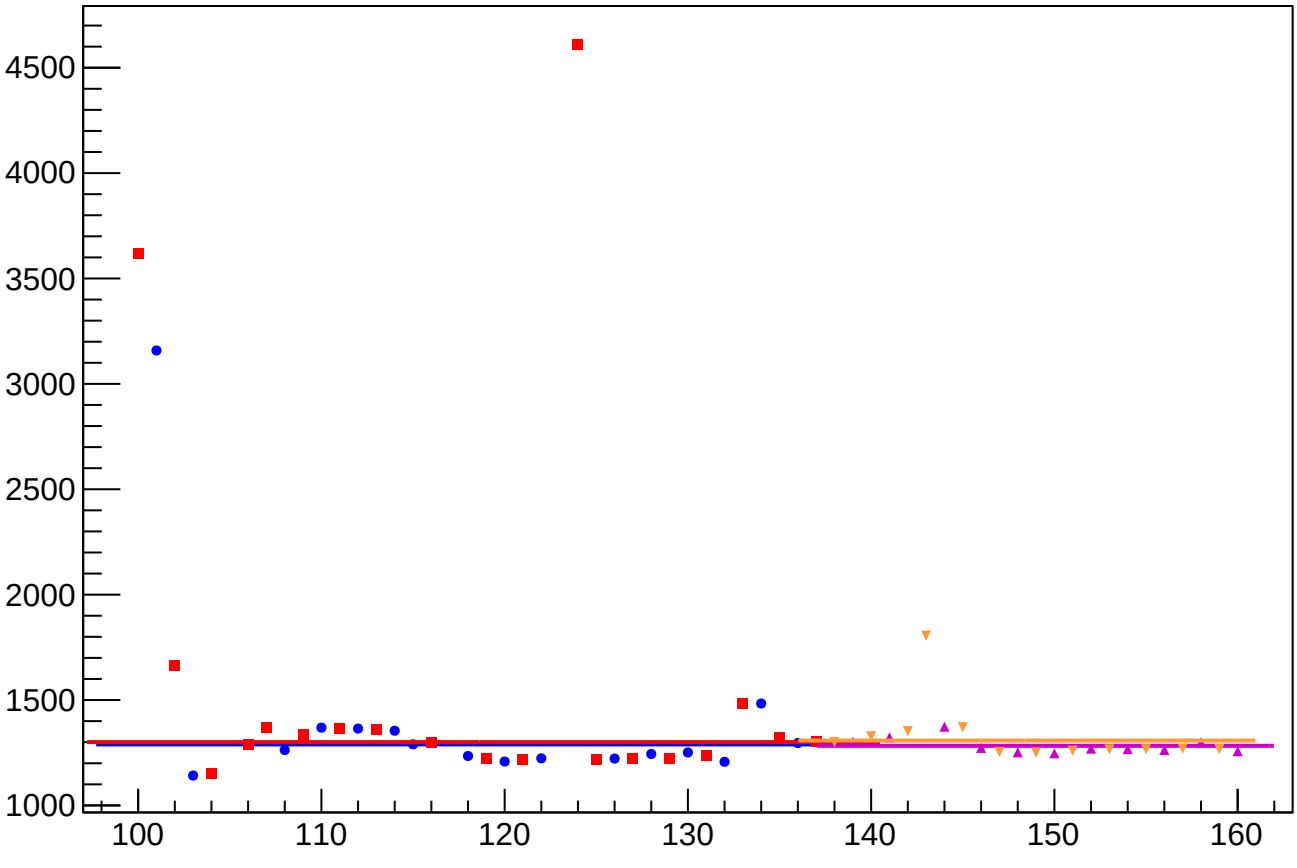
Left: 428.281+/-296.893 χ^2/NDF: 34.8/22

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 104.023+/-225.130 χ^2/NDF: 68.5/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

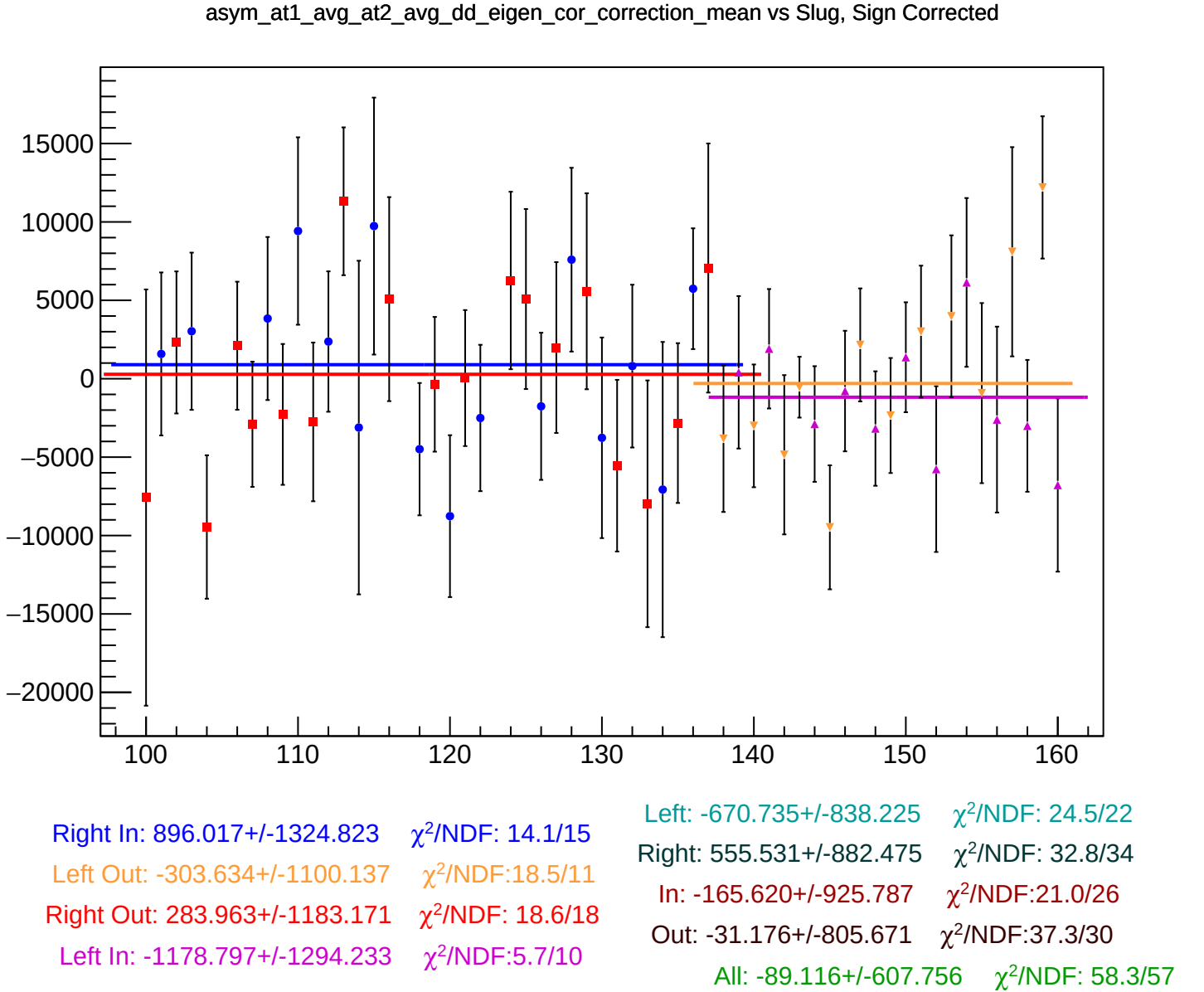
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
−10000
−15000
−20000
100
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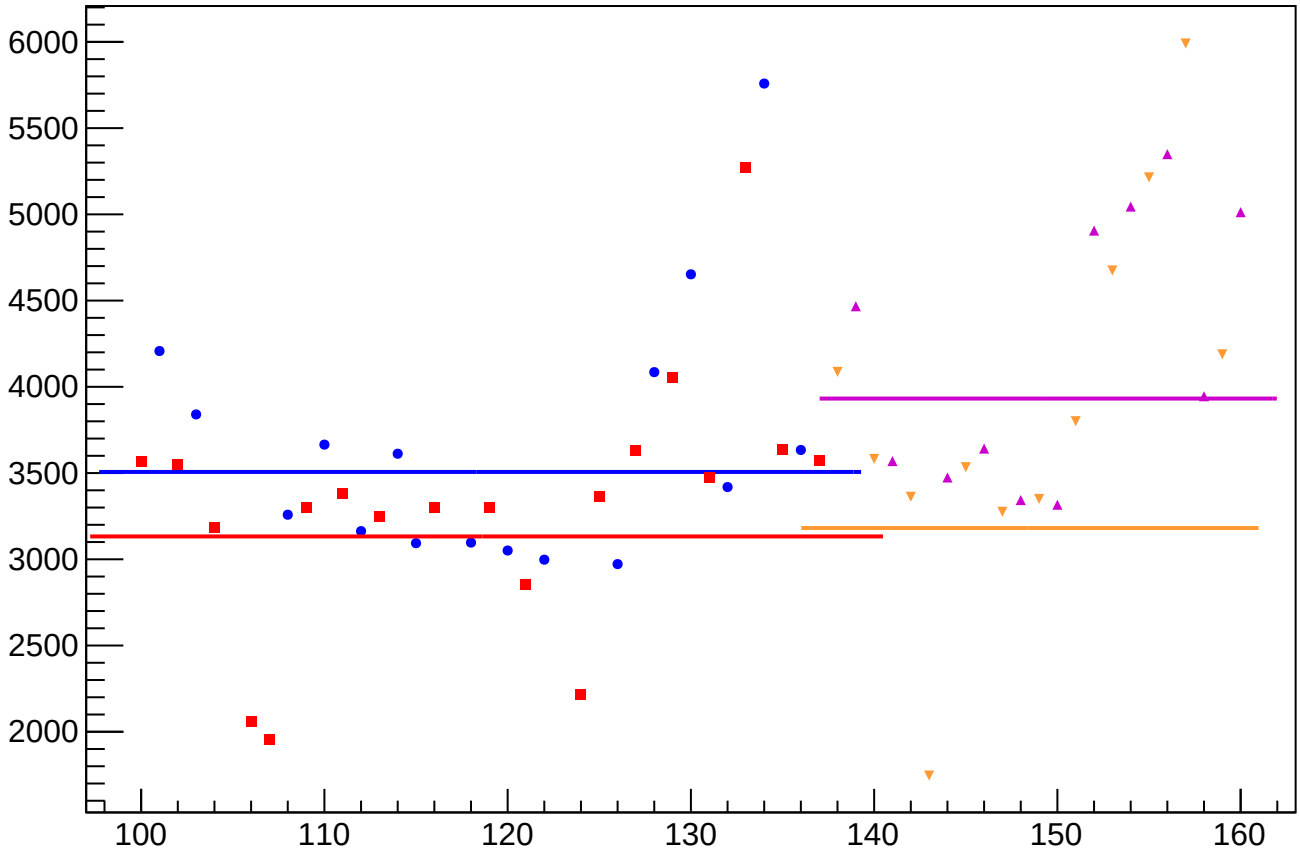
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -303.634+/-1100.137 χ²/NDF:18.5/11
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1178.797+/-1294.233 χ²/NDF:5.7/10
Left: -670.735+/-838.225 χ²/NDF: 24.5/22
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -165.620+/-925.787 χ²/NDF:21.0/26
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -89.116+/-607.756 χ²/NDF: 58.3/57



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: 3931.897+/-0.915 χ^2/NDF:542555.5/10

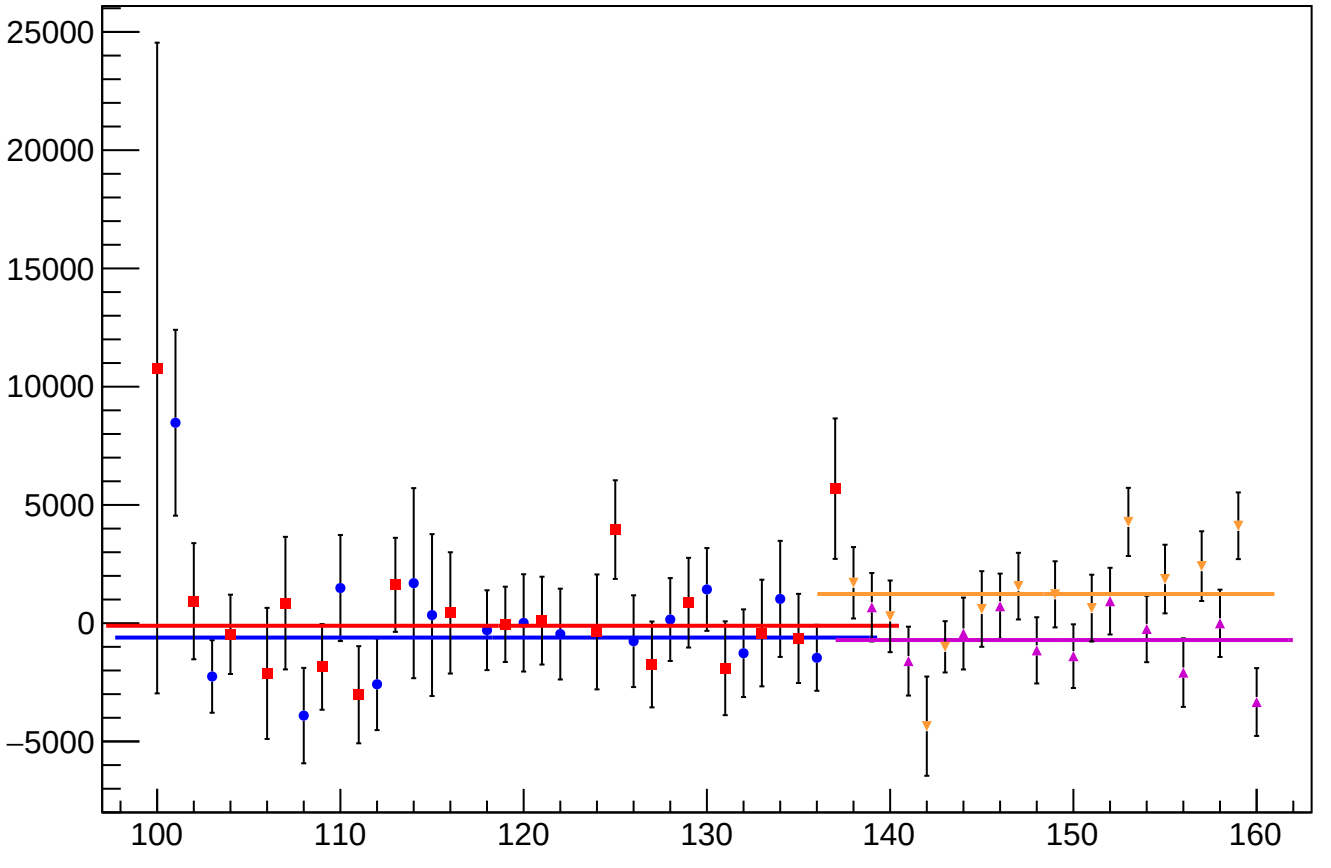
Left: 3496.180+/-0.593 χ^2/NDF: 3062432.1/22

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57



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: -712.705+/-428.982 χ^2/NDF:8.7/10

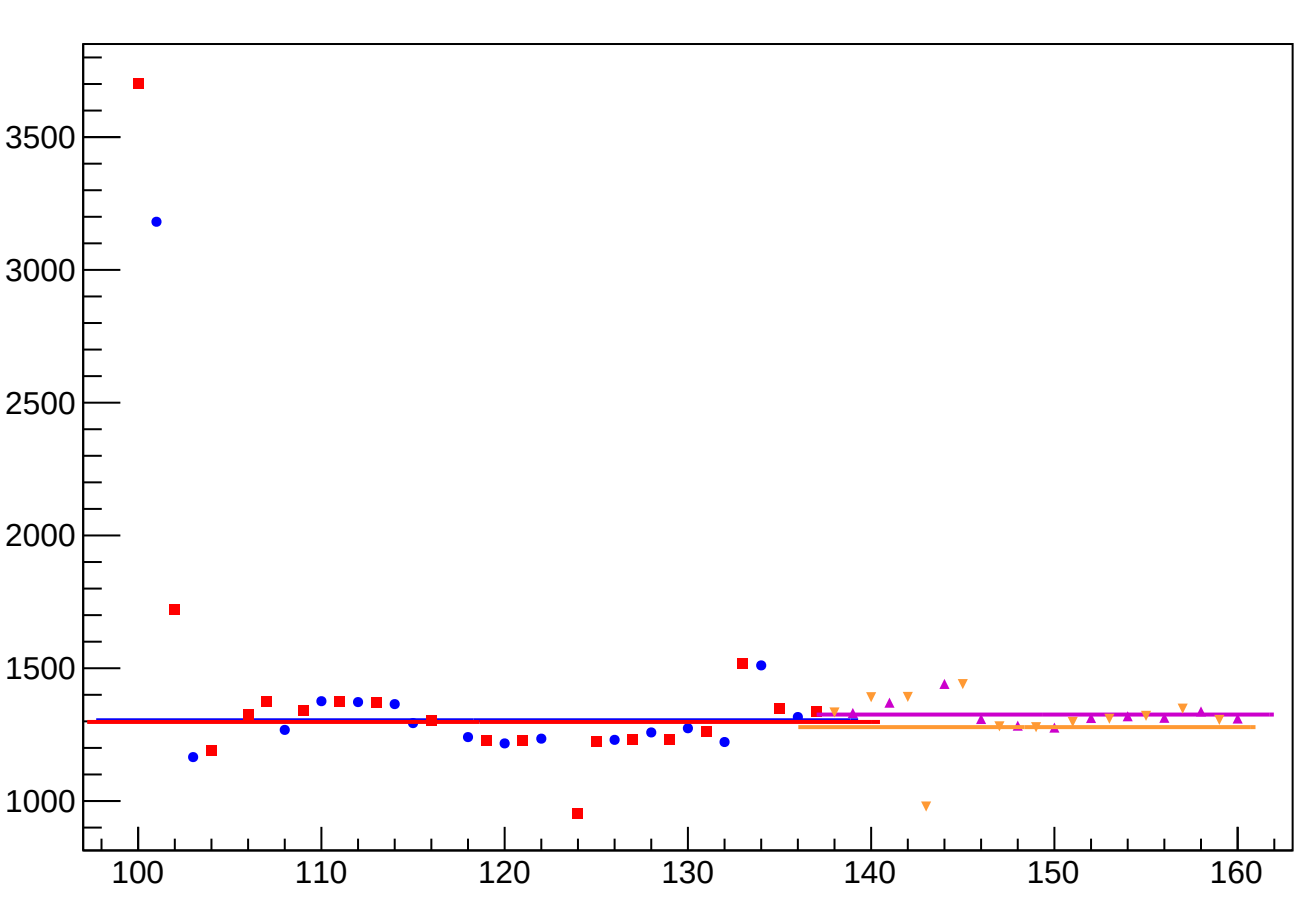
Left: 290.898+/-298.608 χ^2/NDF: 41.0/22

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -667.638+/-323.953 χ^2/NDF:22.8/26

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 15.999+/-226.158 χ^2/NDF: 72.5/57



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: 1325.597+/-0.303 χ^2/NDF:18904.0/10

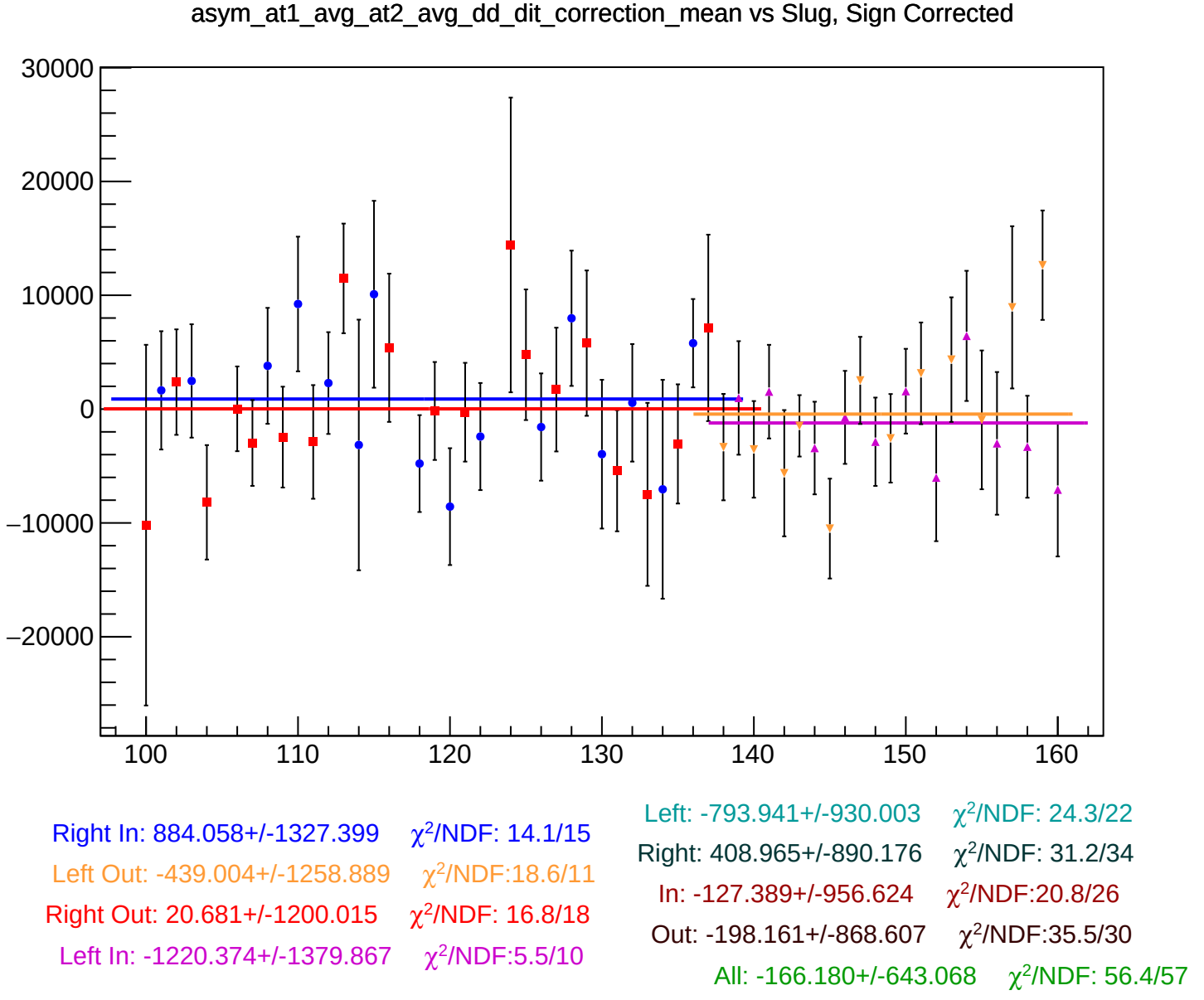
Left: 1301.219+/-0.211 χ^2/NDF: 232022.2/22

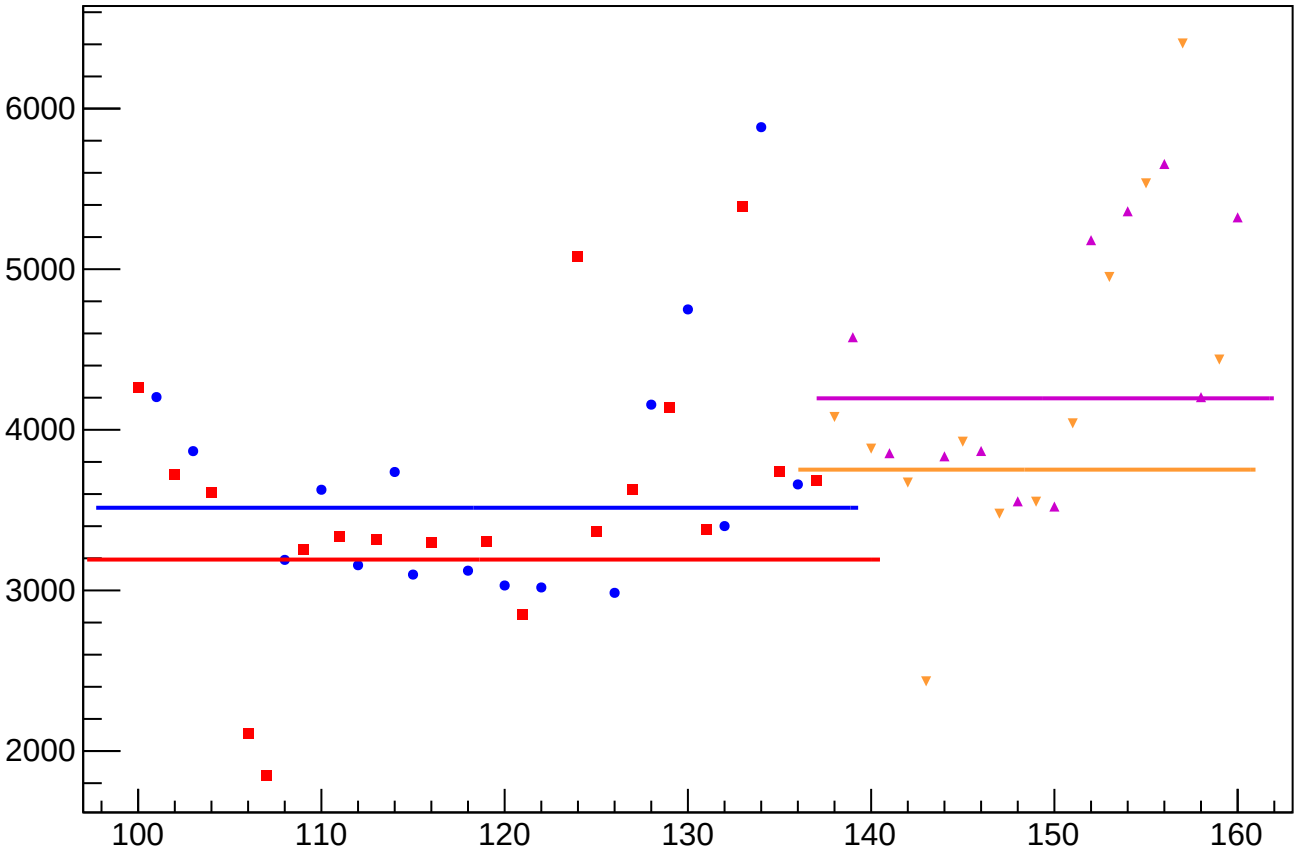
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

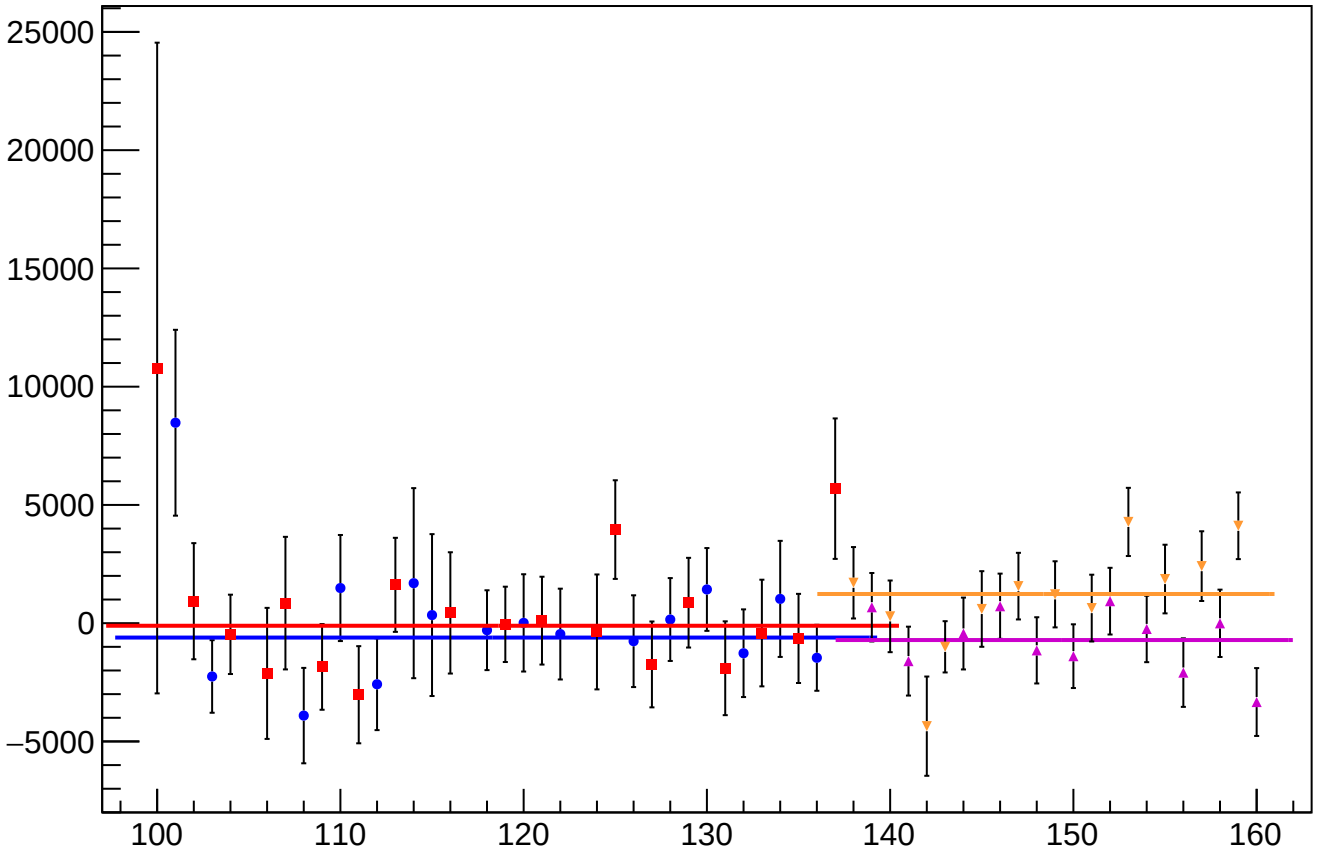
In: 1316.360+/-0.229 χ^2/NDF:531651.3/26

Out: 1286.560+/-0.223 χ^2/NDF:415545.4/30

All: 1301.079+/-0.160 χ^2/NDF: 955875.4/57


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
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: -1220.374+/-1379.867 χ²/NDF:5.5/10
Left: -793.941+/-930.003 χ²/NDF: 24.3/22
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -127.389+/-956.624 χ²/NDF:20.8/26
Out: -198.161+/-868.607 χ²/NDF:35.5/30
All: -166.180+/-643.068 χ²/NDF: 56.4/57


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3752.024+/-0.890 χ²/NDF:1101737.2/11
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4196.018+/-0.976 χ²/NDF:501534.5/10
Left: 3953.708+/-0.658 χ²/NDF: 1716278.4/22
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3842.184+/-0.676 χ²/NDF:1129820.9/26
Out: 3458.718+/-0.614 χ²/NDF:2081450.1/30
All: 3632.002+/-0.455 χ²/NDF: 3387415.9/57



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: -712.706+/-428.982 χ^2/NDF:8.7/10

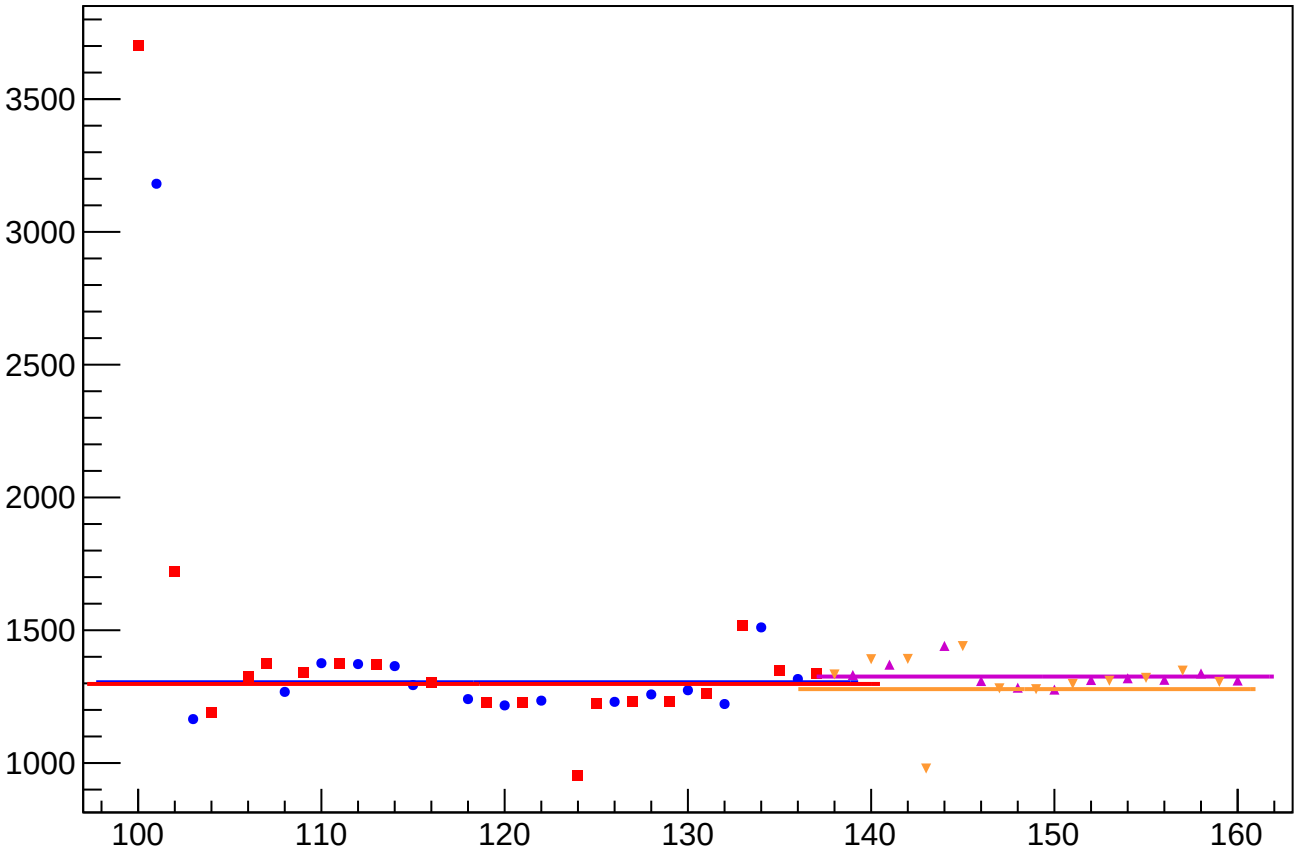
Left: 290.899+/-298.608 χ^2/NDF: 41.0/22

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -667.640+/-323.953 χ^2/NDF:22.8/26

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 15.998+/-226.159 χ^2/NDF: 72.5/57



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: 1325.598+/-0.303 χ^2/NDF:18904.1/10

Left: 1301.220+/-0.211 χ^2/NDF: 232022.8/22

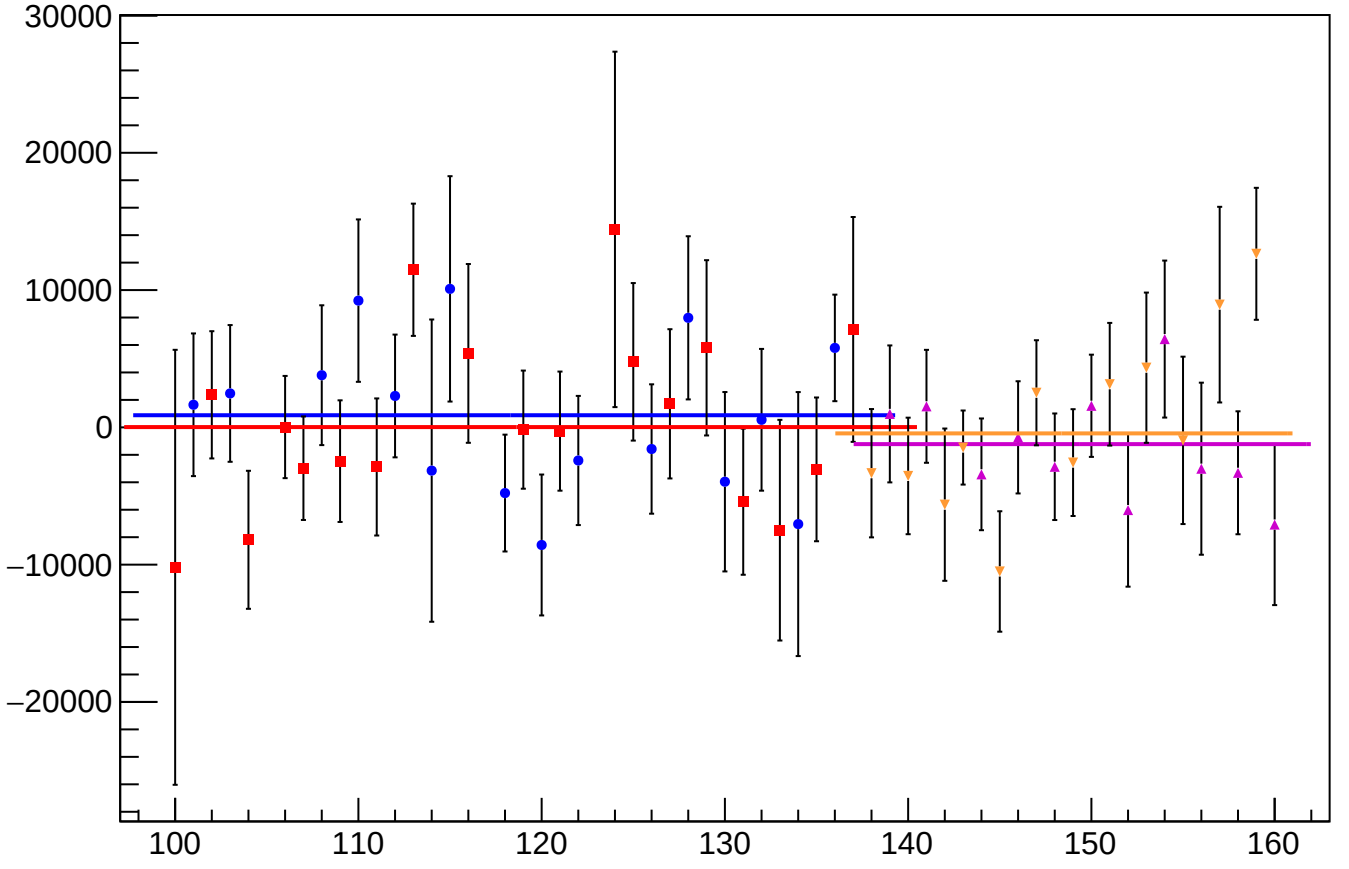
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.361+/-0.229 χ^2/NDF:531651.8/26

Out: 1286.560+/-0.223 χ^2/NDF:415545.7/30

All: 1301.080+/-0.160 χ^2/NDF: 955876.2/57

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: -1220.374+/-1379.869 χ^2/NDF:5.5/10

Left: -793.939+/-930.005 χ^2/NDF: 24.3/22

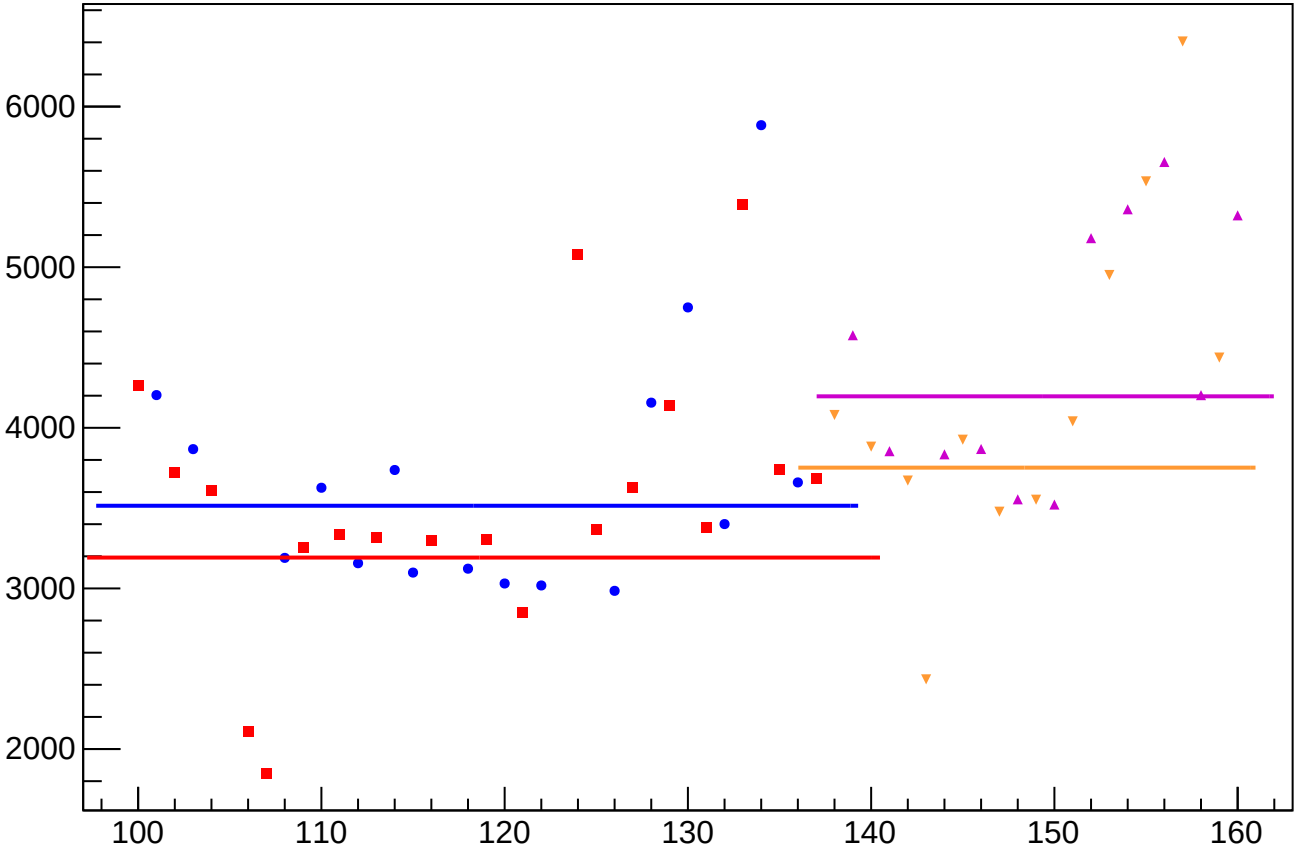
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -127.390+/-956.623 χ^2/NDF:20.8/26

Out: -198.161+/-868.606 χ^2/NDF:35.5/30

All: -166.180+/-643.068 χ^2/NDF: 56.4/57

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4196.024+/-0.976 χ^2/NDF:501534.8/10

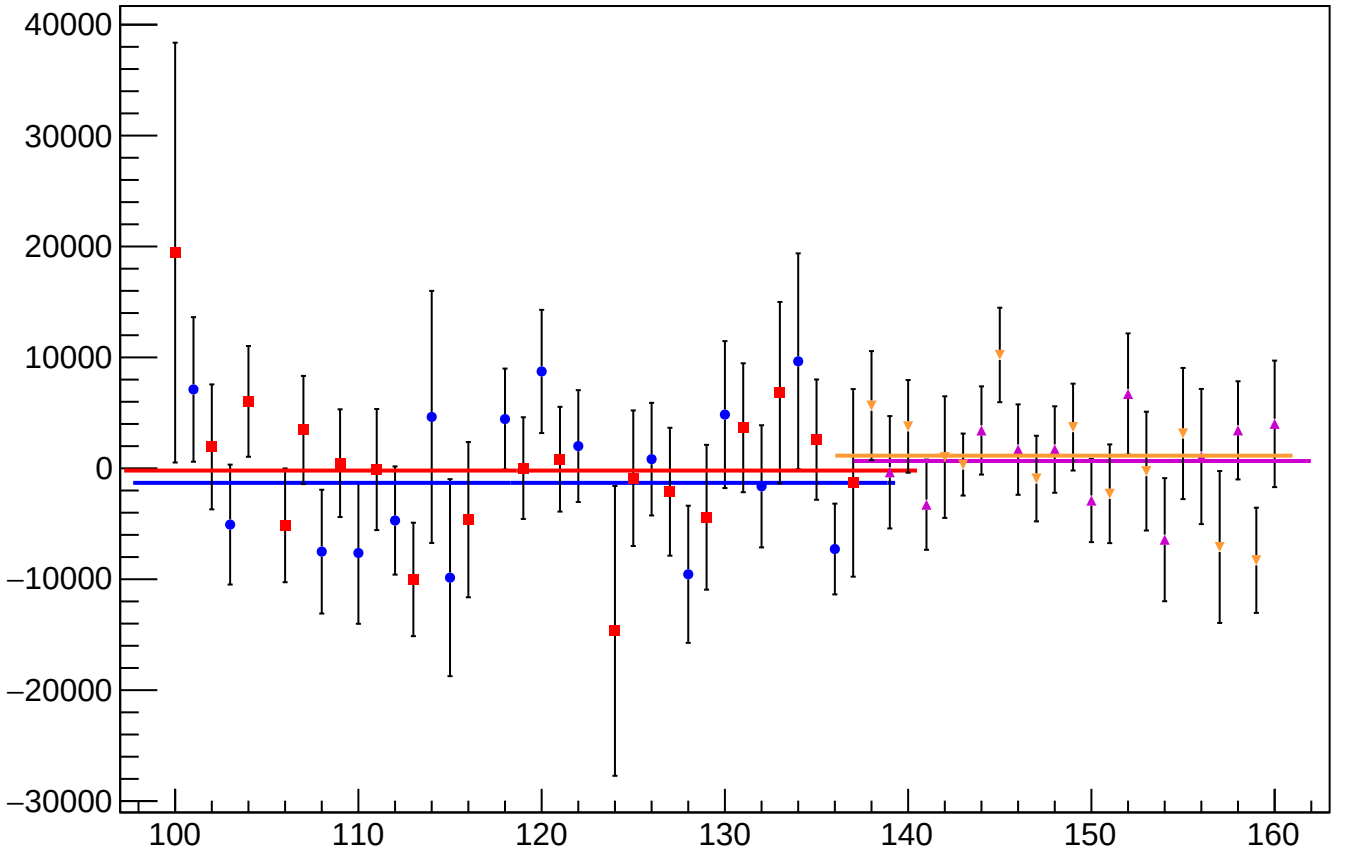
Left: 3953.714+/-0.658 χ^2/NDF: 1716278.7/22

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3842.180+/-0.676 χ^2/NDF:1129836.5/26

Out: 3458.715+/-0.614 χ^2/NDF:2081462.3/30

All: 3631.999+/-0.455 χ^2/NDF: 3387443.1/57



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: 659.186+/-1367.707 χ^2/NDF:6.1/10

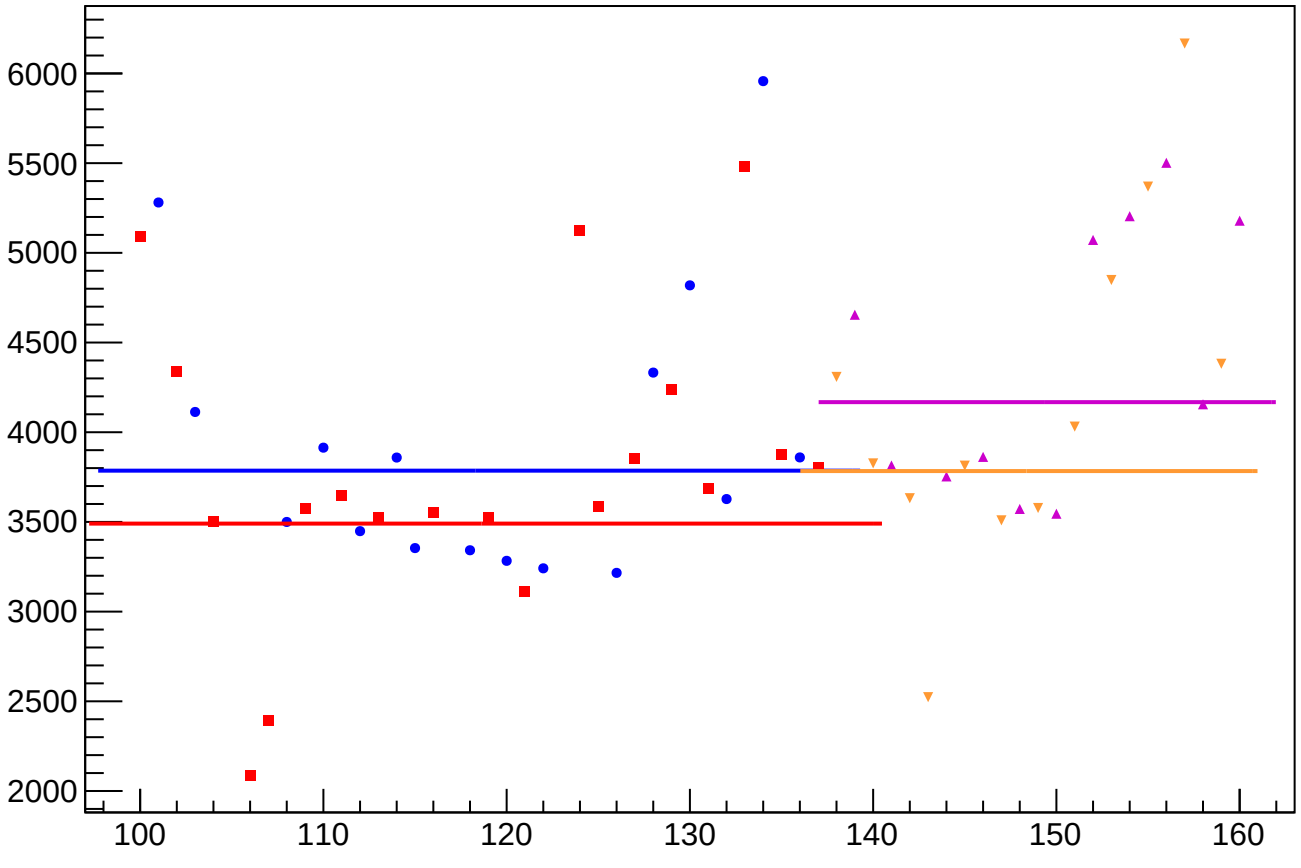
Left: 920.681+/-927.799 χ^2/NDF: 18.9/22

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -280.157+/-988.939 χ^2/NDF:24.7/26

Out: 508.902+/-917.733 χ^2/NDF:25.0/30

All: 143.799+/-672.701 χ^2/NDF: 49.9/57



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: 4167.729+/-0.967 χ^2/NDF:451630.3/10

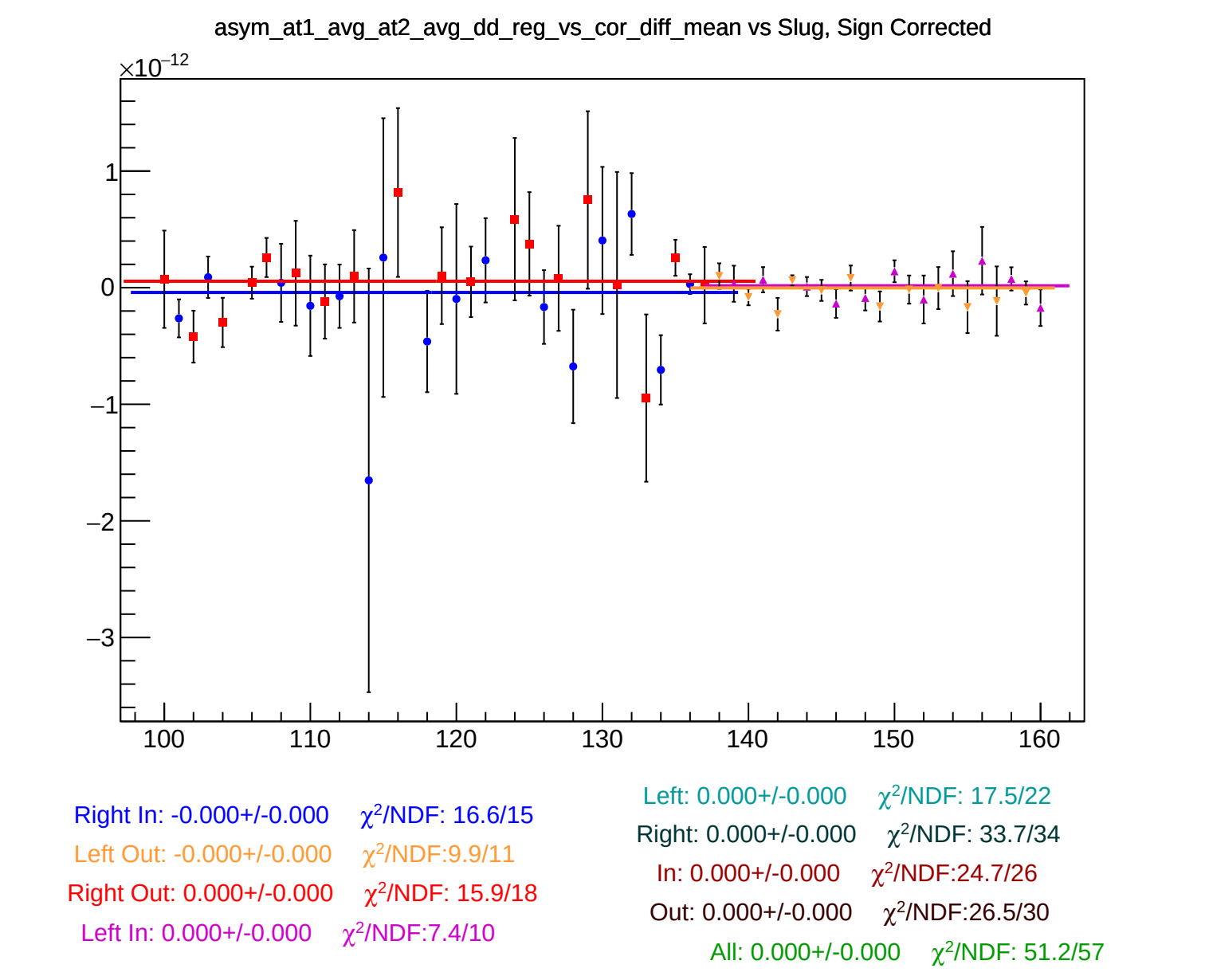
Left: 3960.304+/-0.656 χ^2/NDF: 1486966.2/22

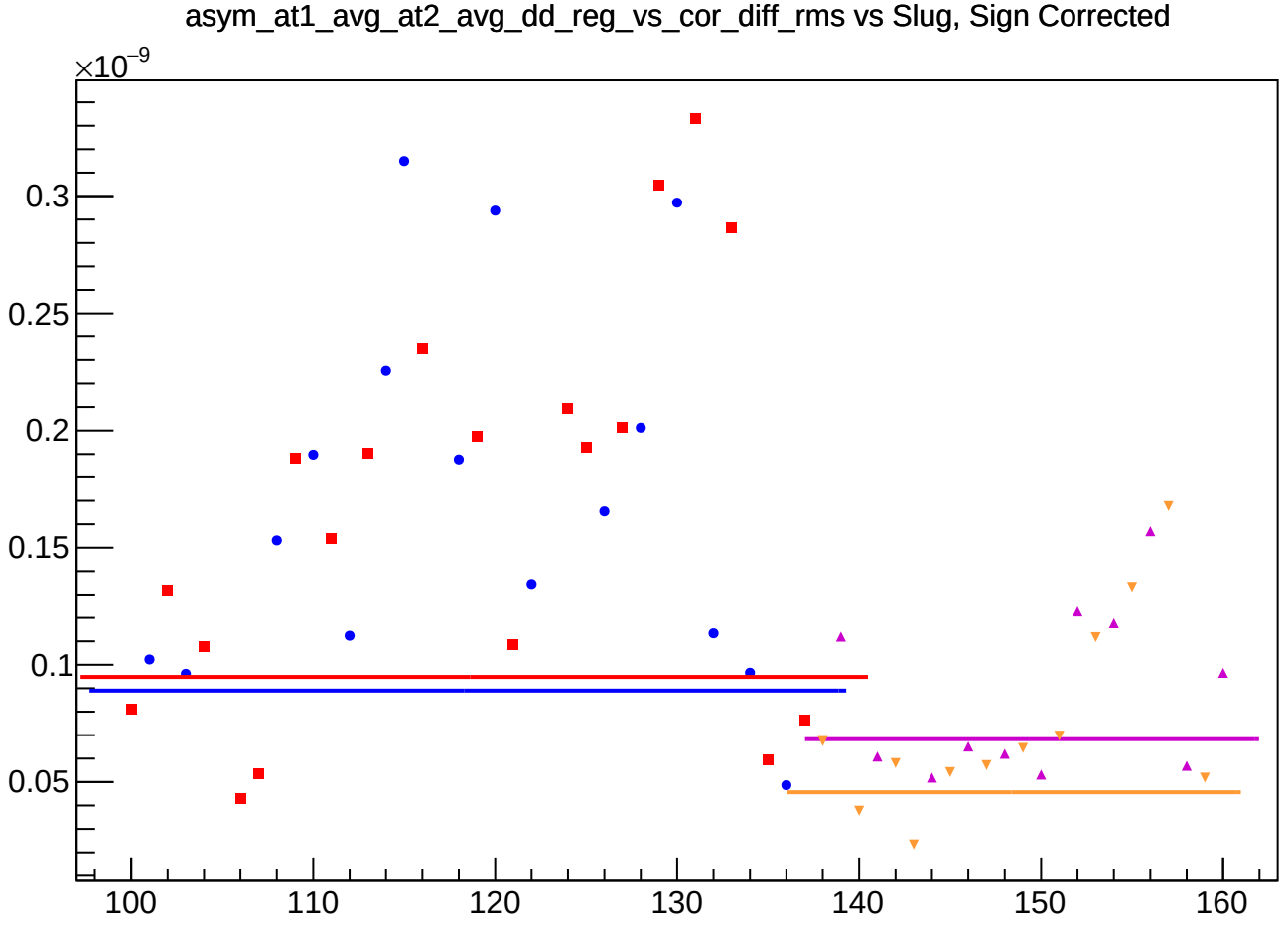
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3985.466+/-0.699 χ^2/NDF:909054.4/26

Out: 3643.296+/-0.645 χ^2/NDF:1588331.5/30

All: 3800.512+/-0.474 χ^2/NDF: 2626806.0/57


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:9.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.4/10
Left: 0.000+/-0.000 χ²/NDF: 17.5/22
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:24.7/26
Out: 0.000+/-0.000 χ²/NDF:26.5/30
All: 0.000+/-0.000 χ²/NDF: 51.2/57



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:859505.9/10

Left: 0.000+/-0.000 χ^2/NDF: 3071151.4/22

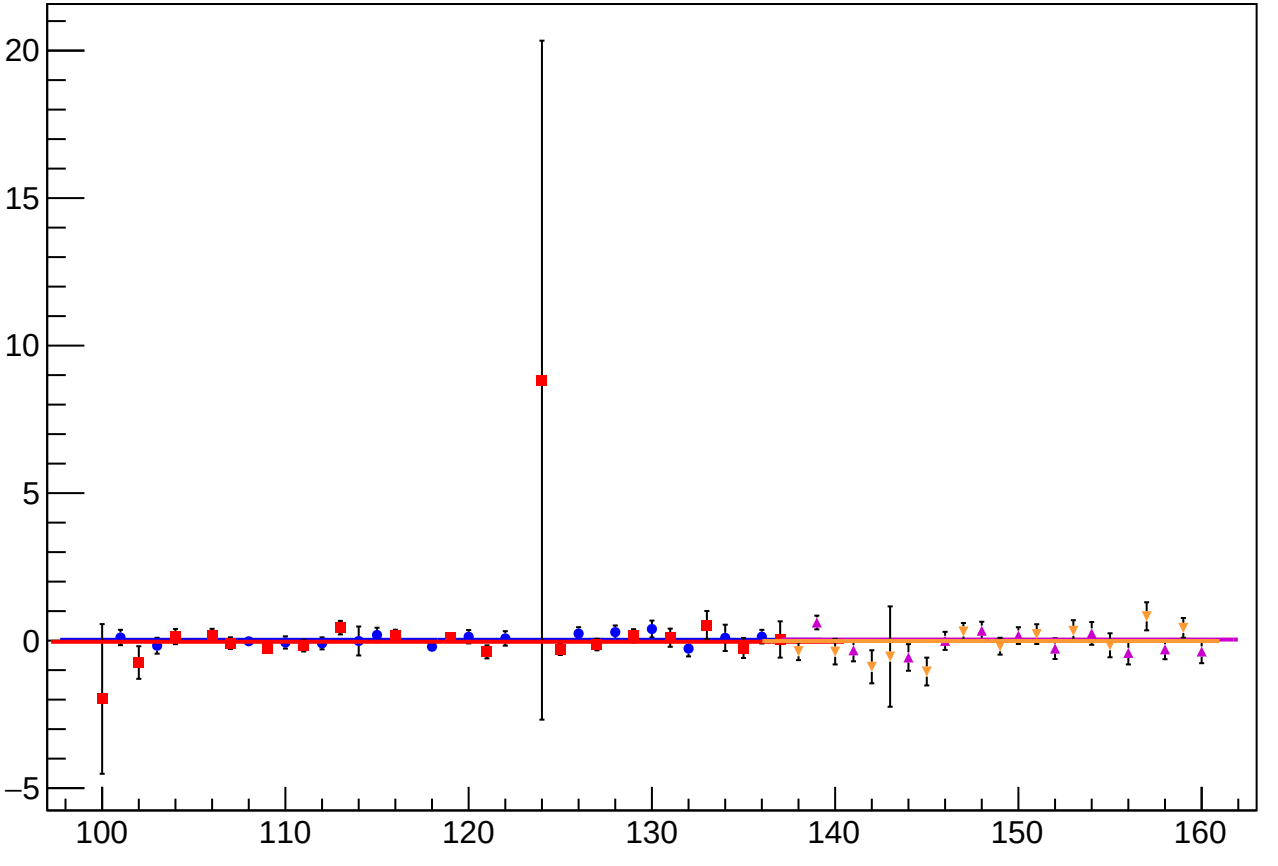
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2497841.8/26

Out: 0.000+/-0.000 χ^2/NDF:4454540.3/30

All: 0.000+/-0.000 χ^2/NDF: 7498963.5/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

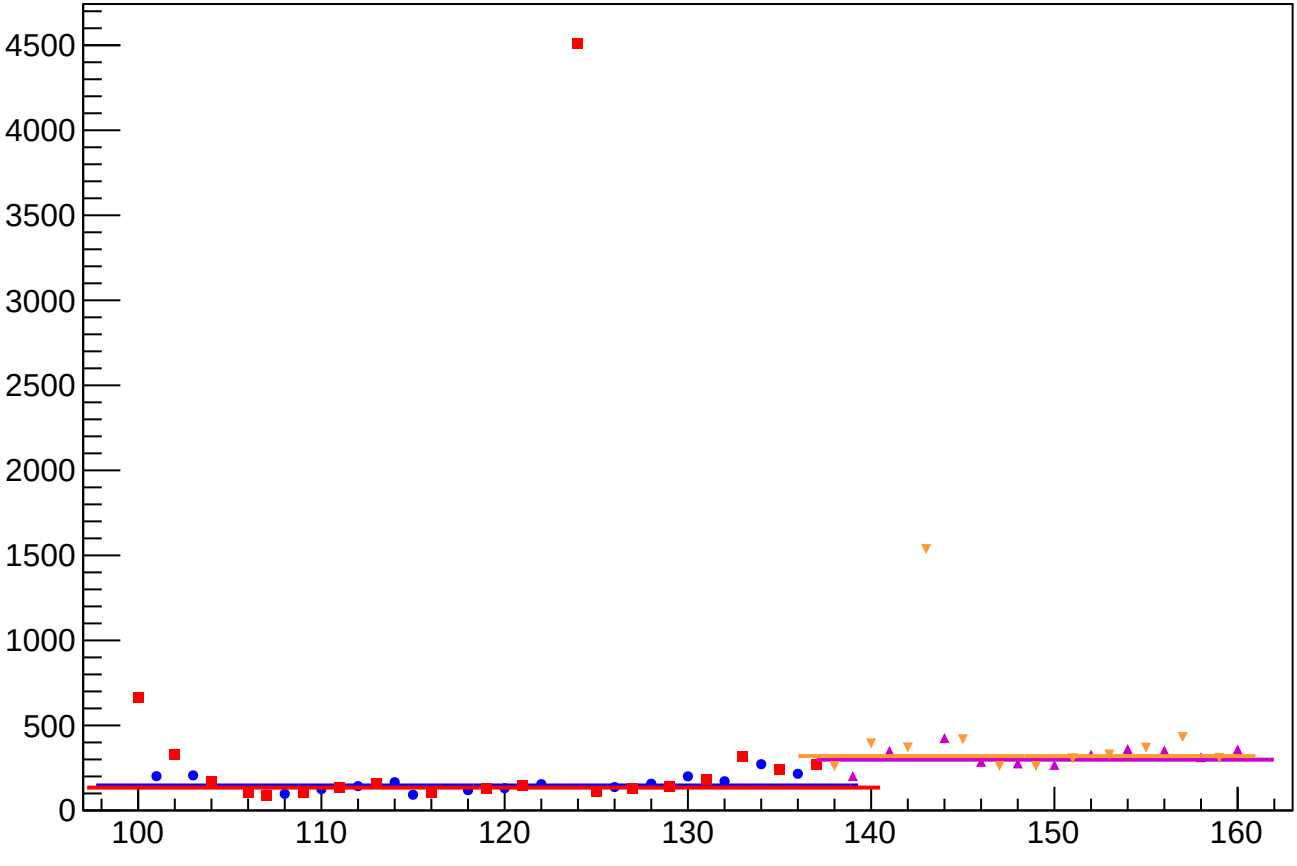
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 308.265+/-0.052 χ^2/NDF: 2346887.9/22

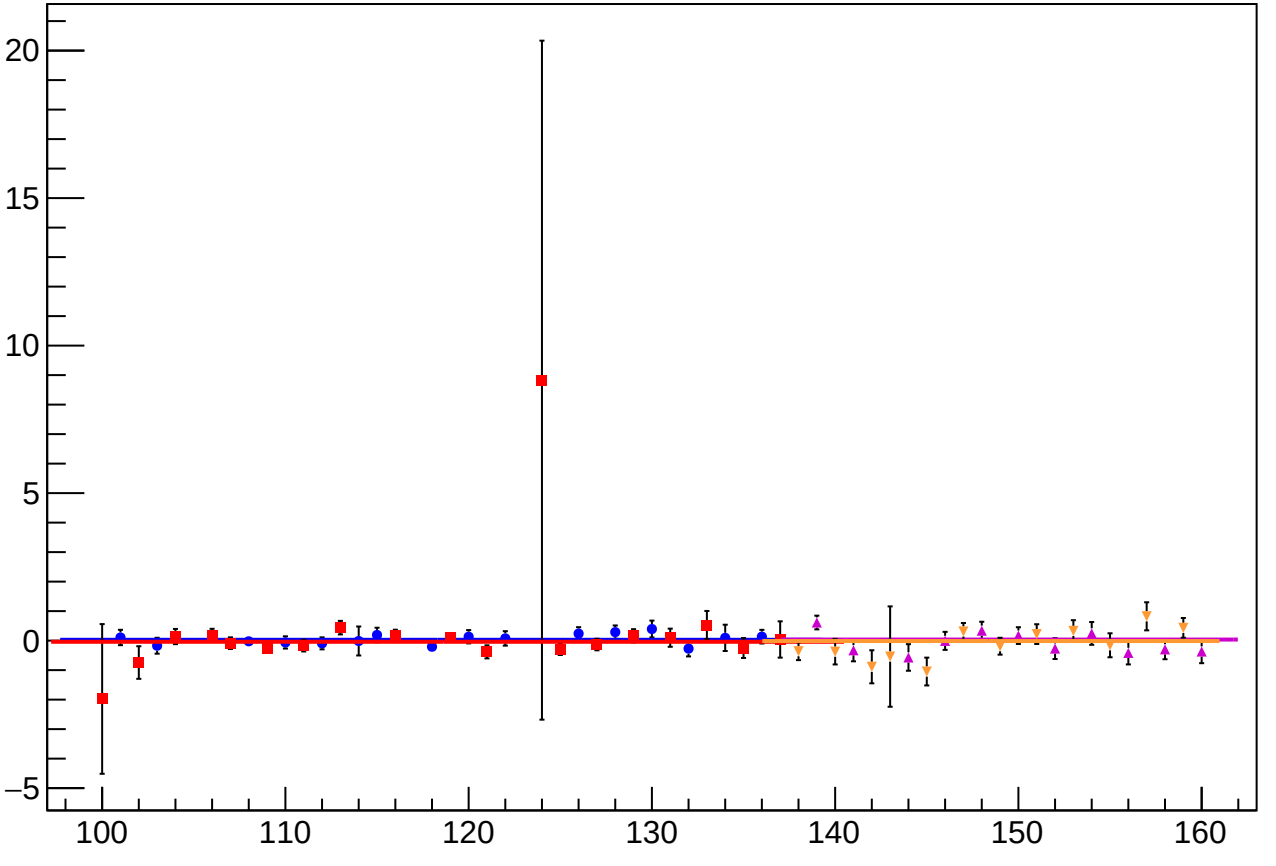
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

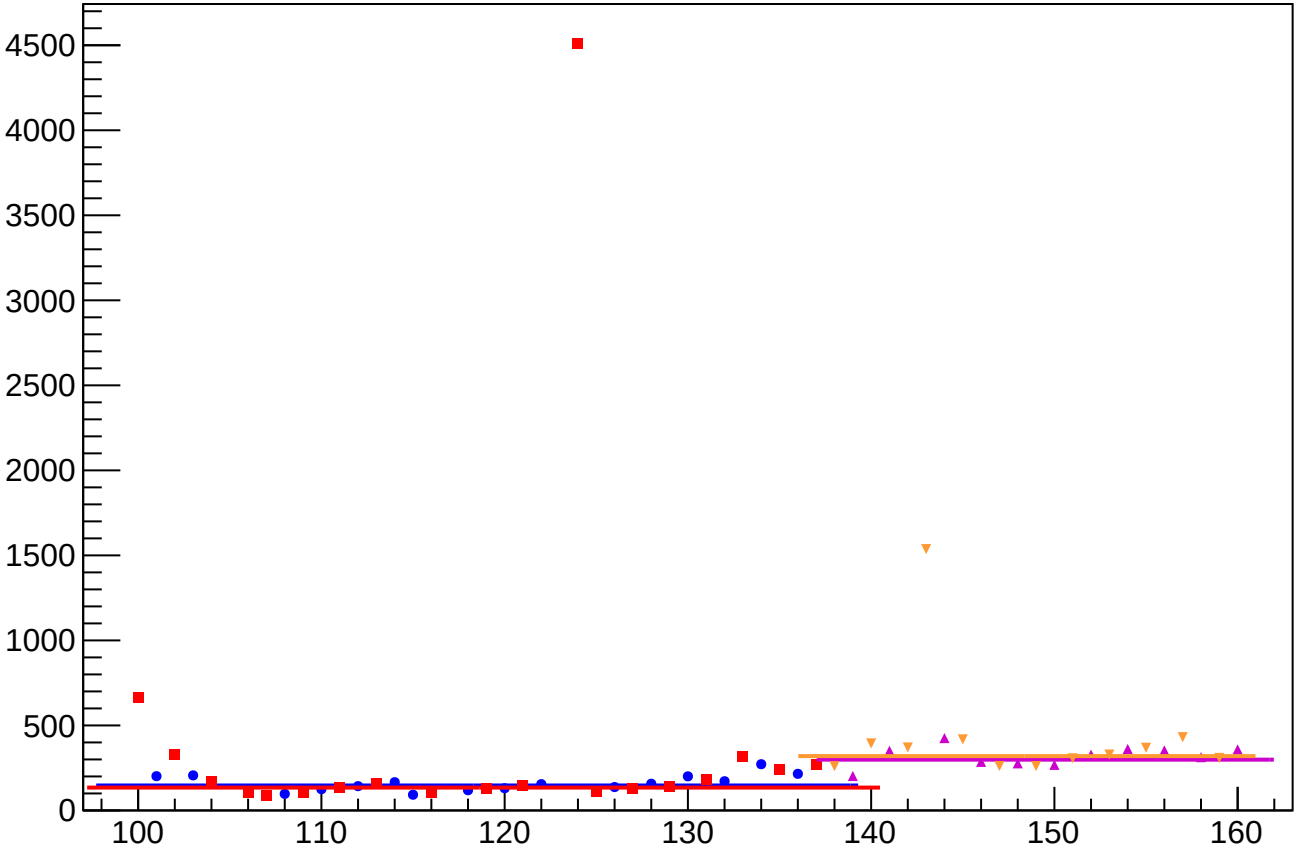
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.744+/-0.070 χ^2/NDF:732774.0/10

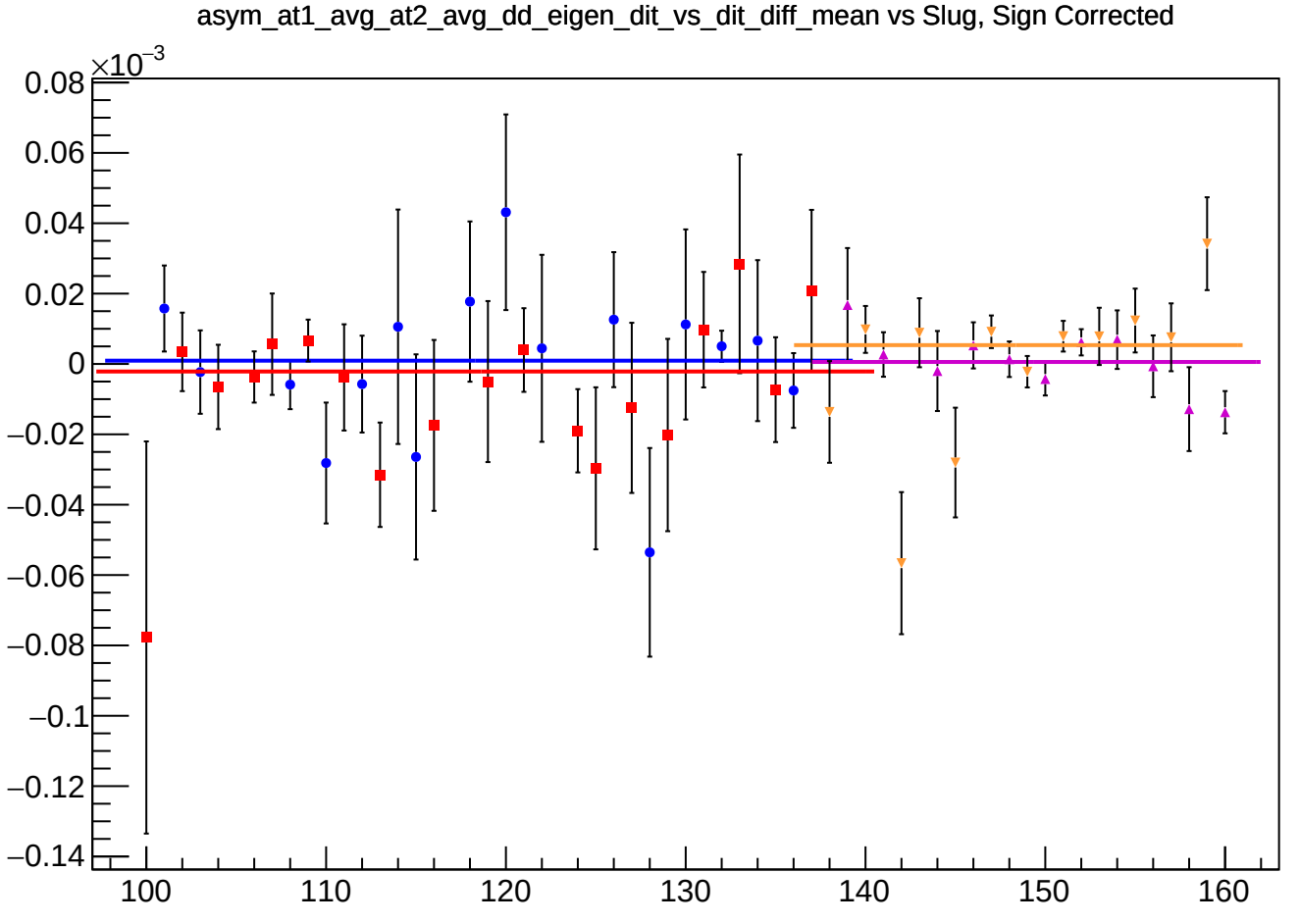
Left: 308.265+/-0.052 χ^2/NDF: 2346887.9/22

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57



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:12.5/10

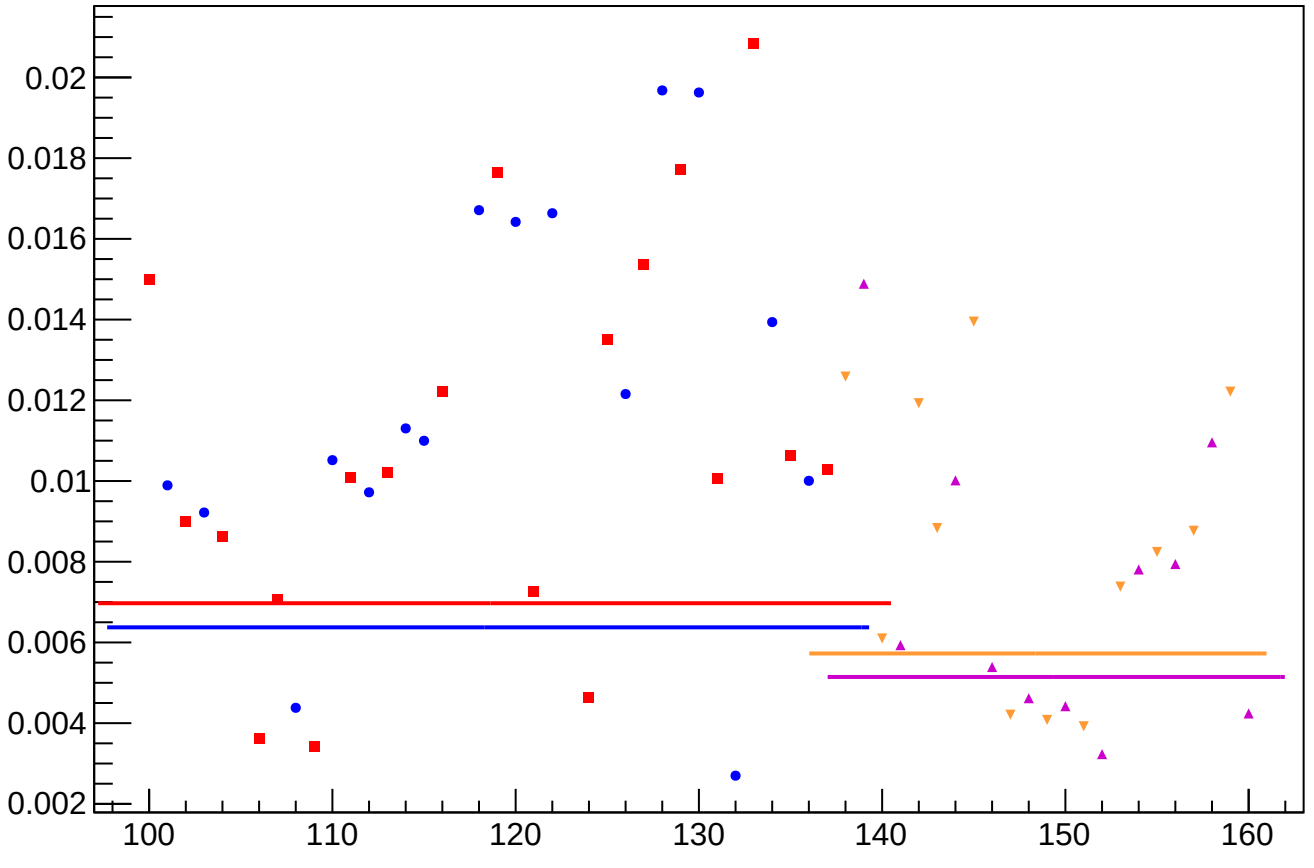
Left: 0.000+/-0.000 χ^2/NDF: 41.2/22

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: 0.000+/-0.000 χ^2/NDF:46.0/30

All: 0.000+/-0.000 χ^2/NDF: 74.4/57



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:2648124.2/10

Left: 0.005+/-0.000 χ^2/NDF: 5883844.7/22

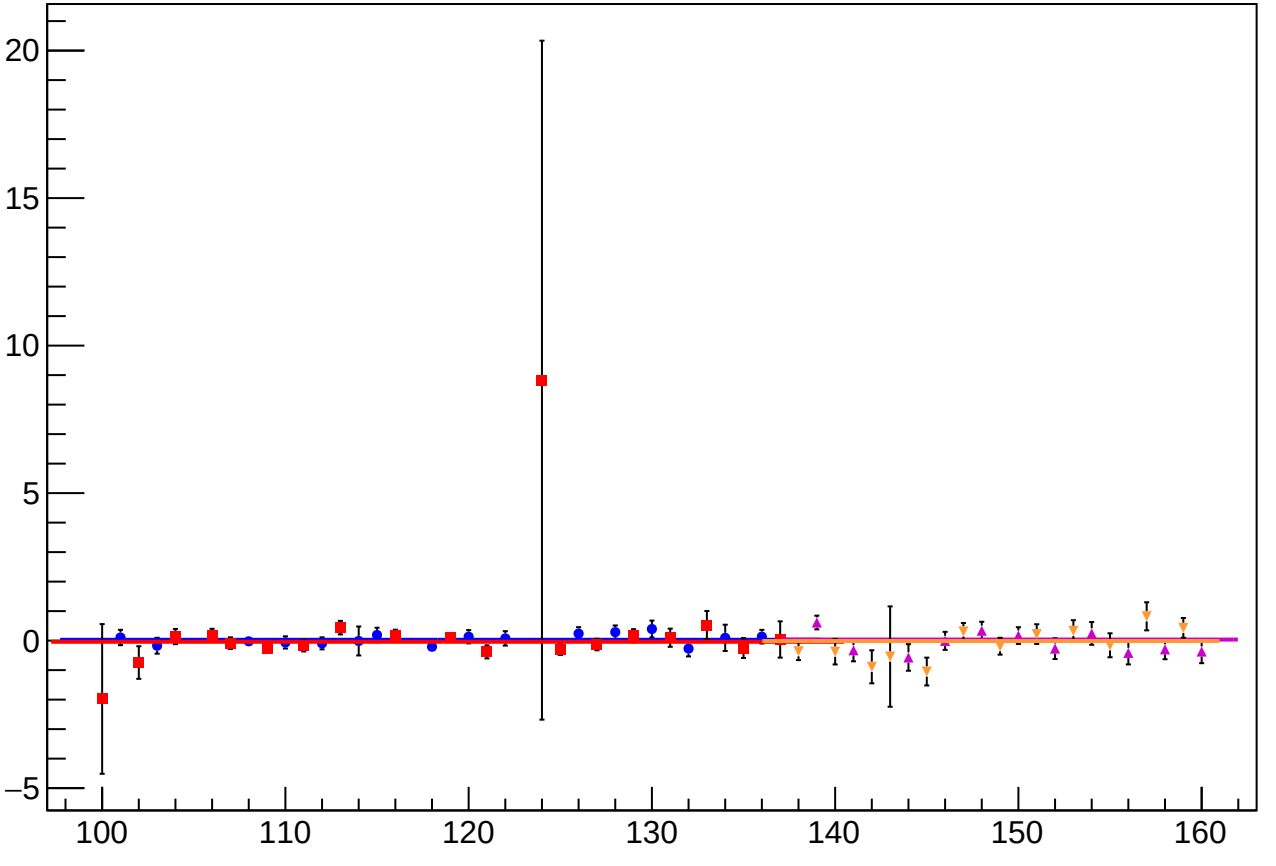
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7536661.1/26

Out: 0.006+/-0.000 χ^2/NDF:6791864.3/30

All: 0.006+/-0.000 χ^2/NDF: 14467851.6/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

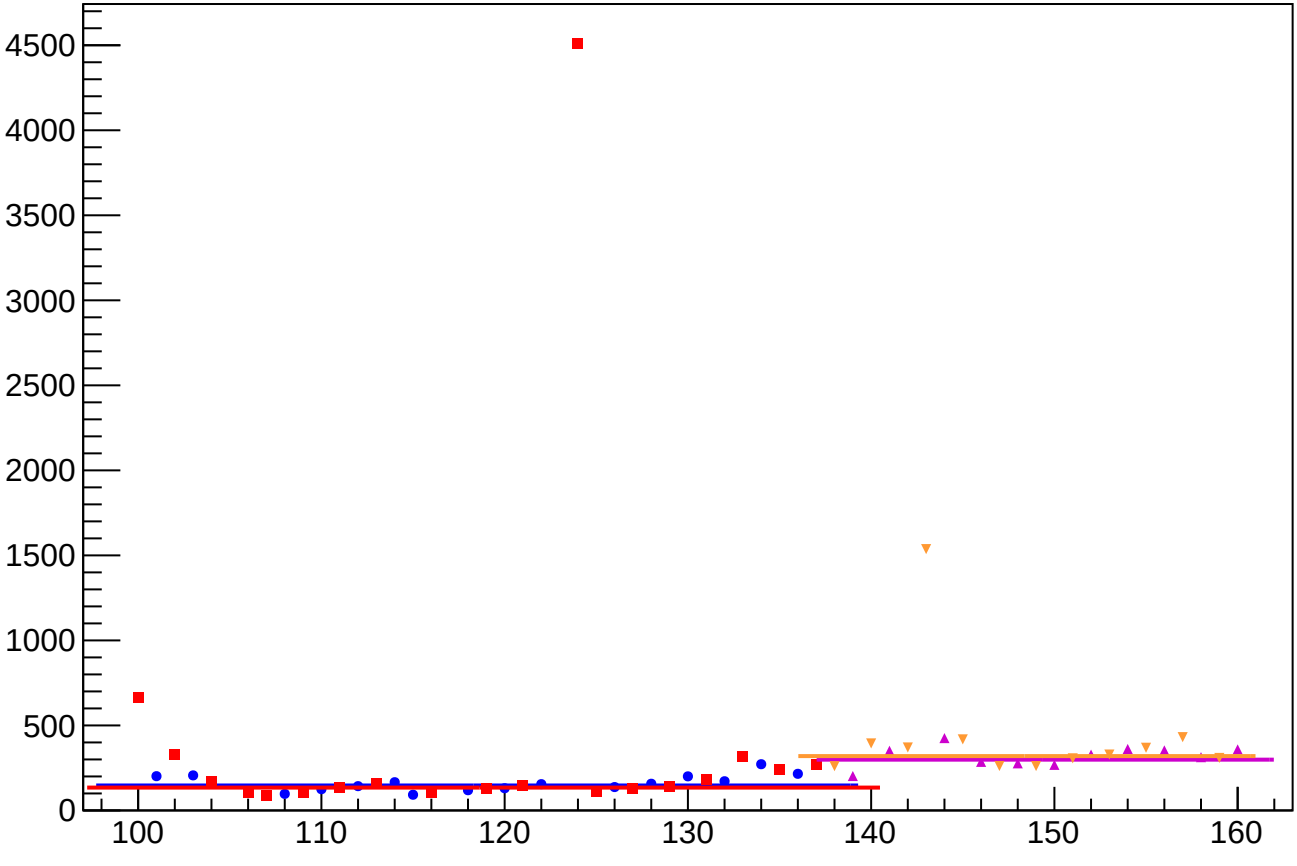
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 308.269+/-0.052 χ^2/NDF: 2346867.5/22

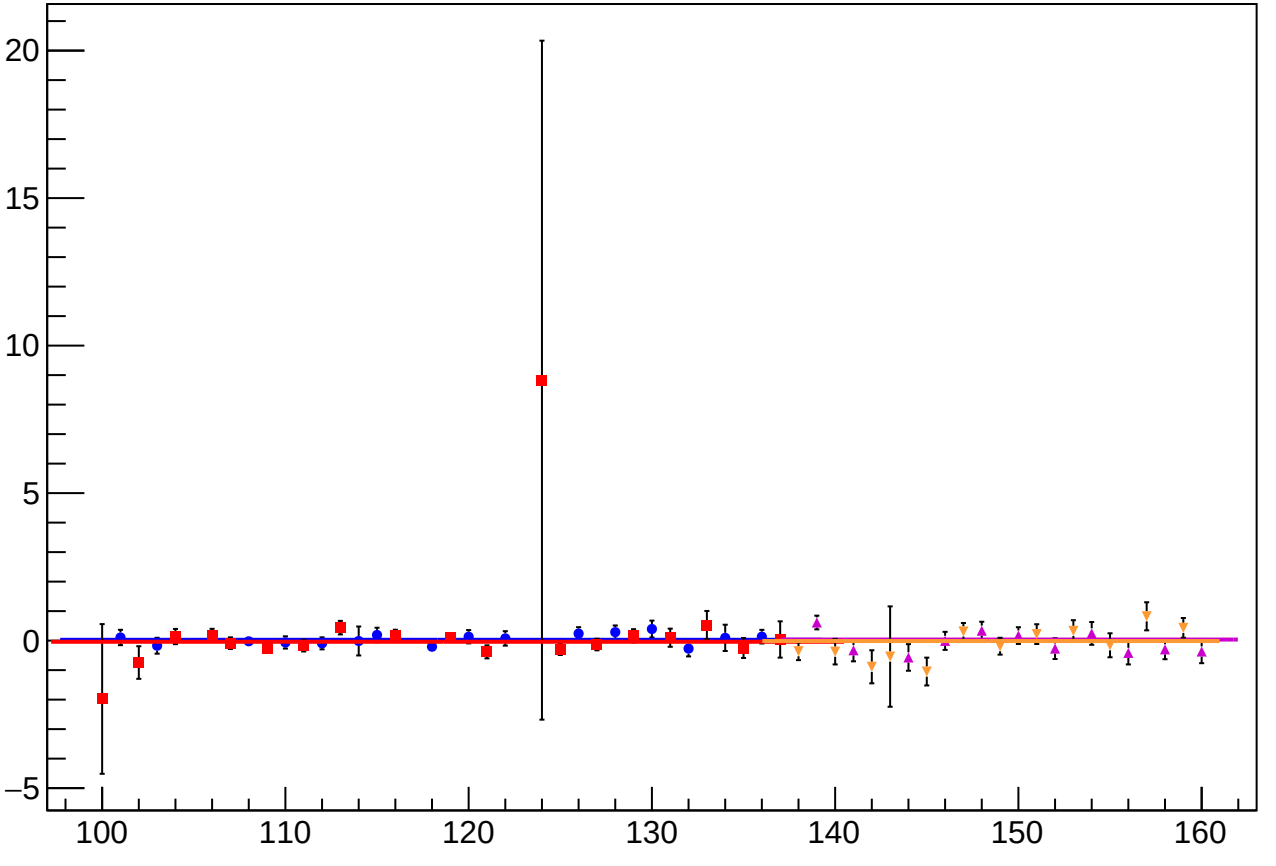
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

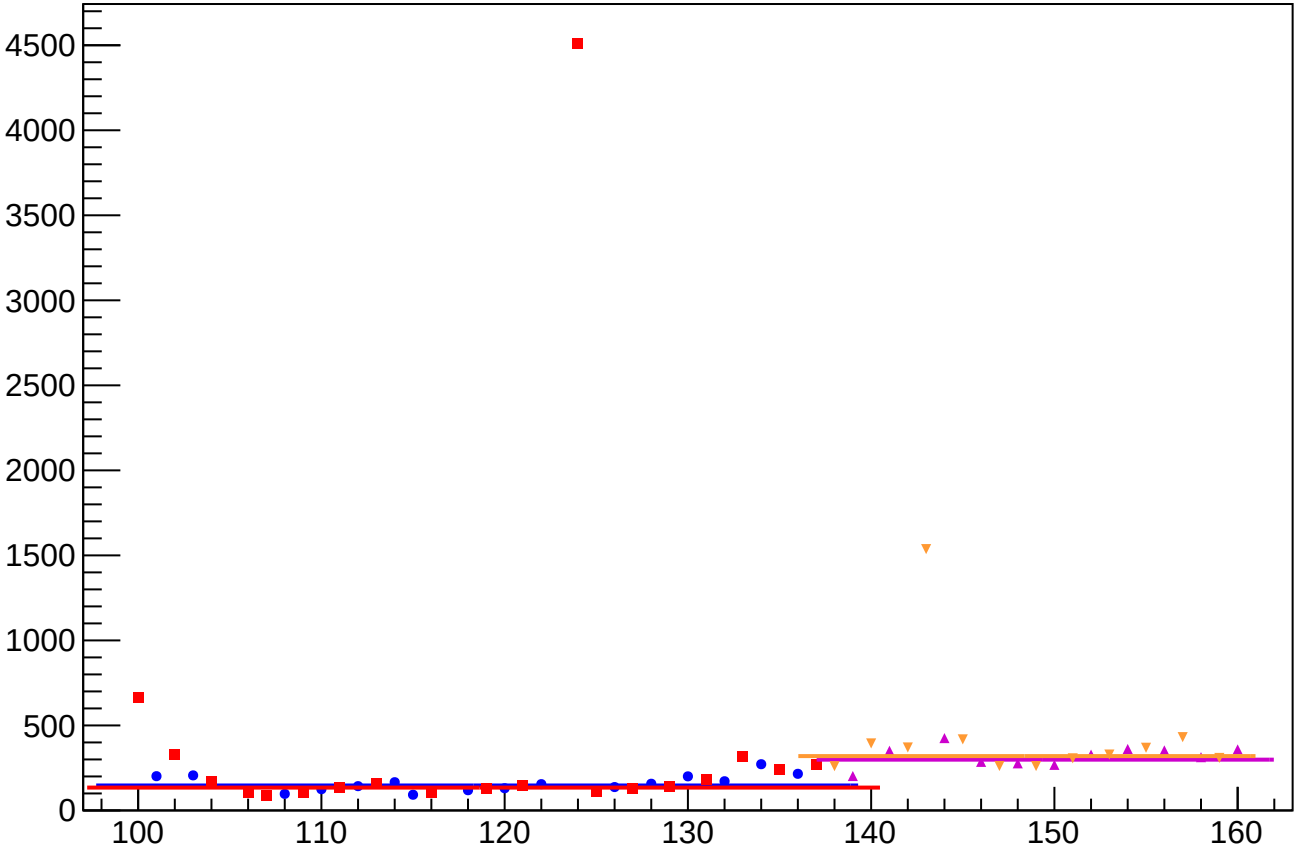
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.748+/-0.070 χ^2/NDF:732753.4/10

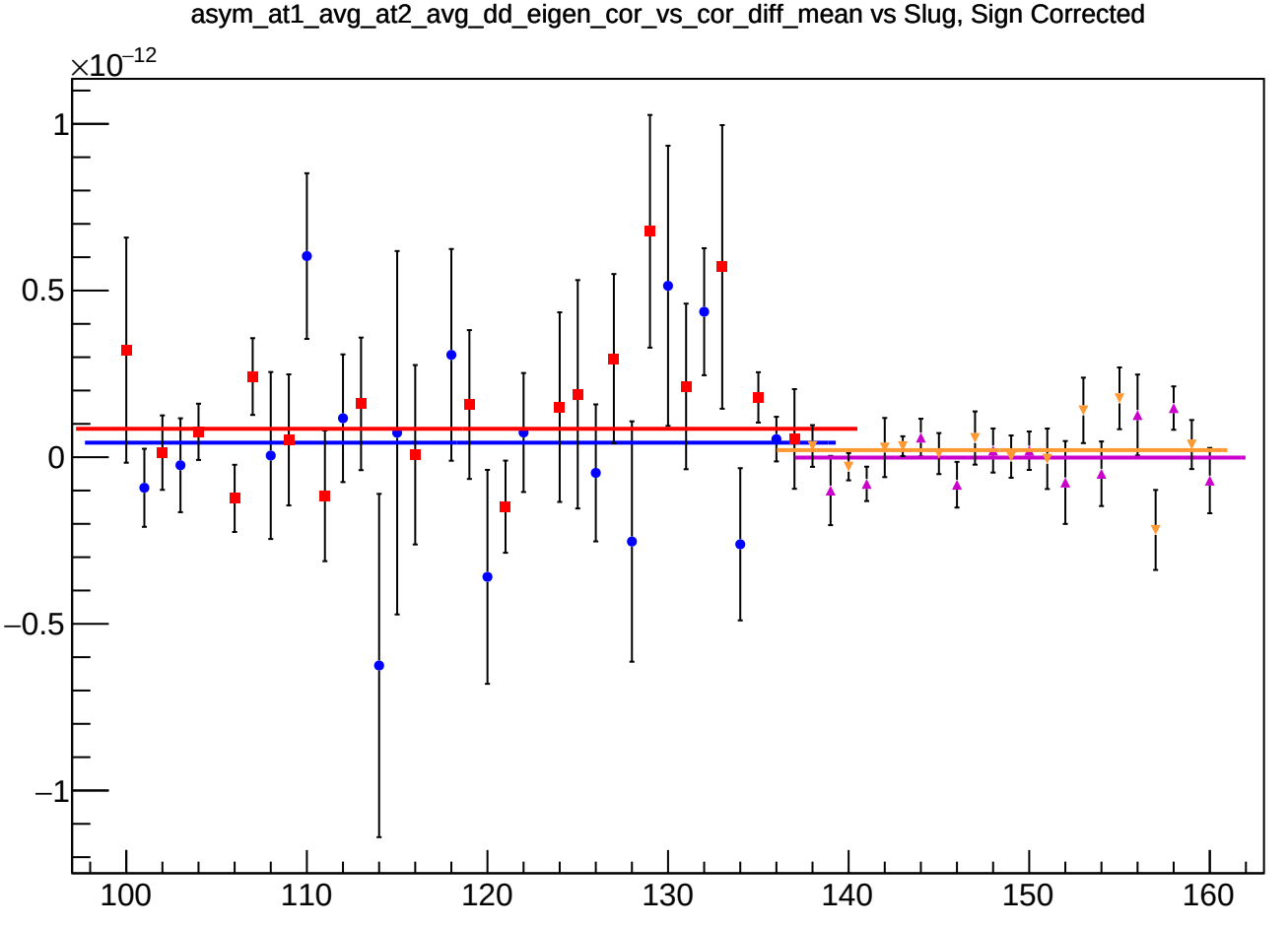
Left: 308.269+/-0.052 χ^2/NDF: 2346867.5/22

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57



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:13.4/10

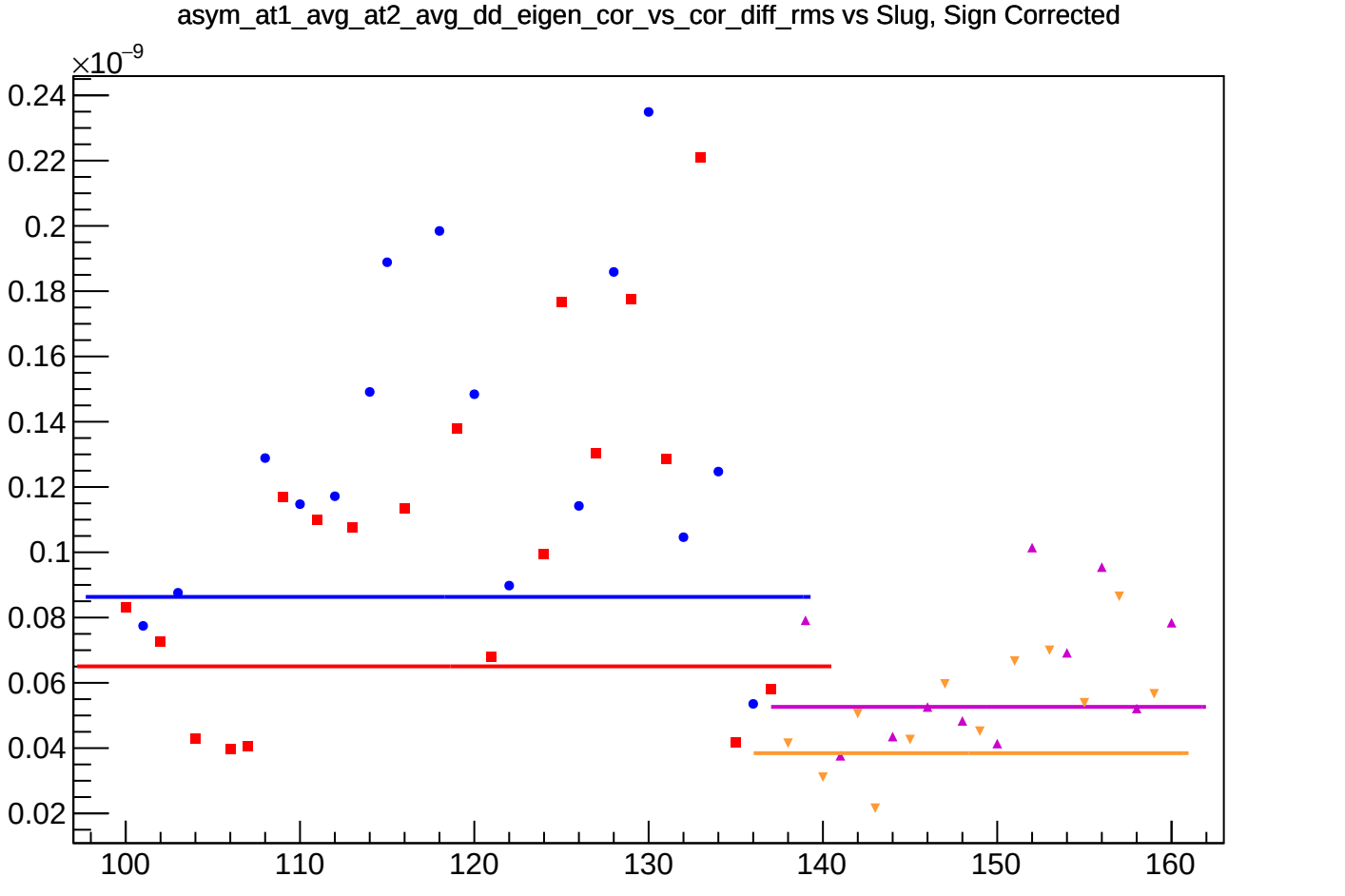
Left: 0.000+/-0.000 χ^2/NDF: 24.5/22

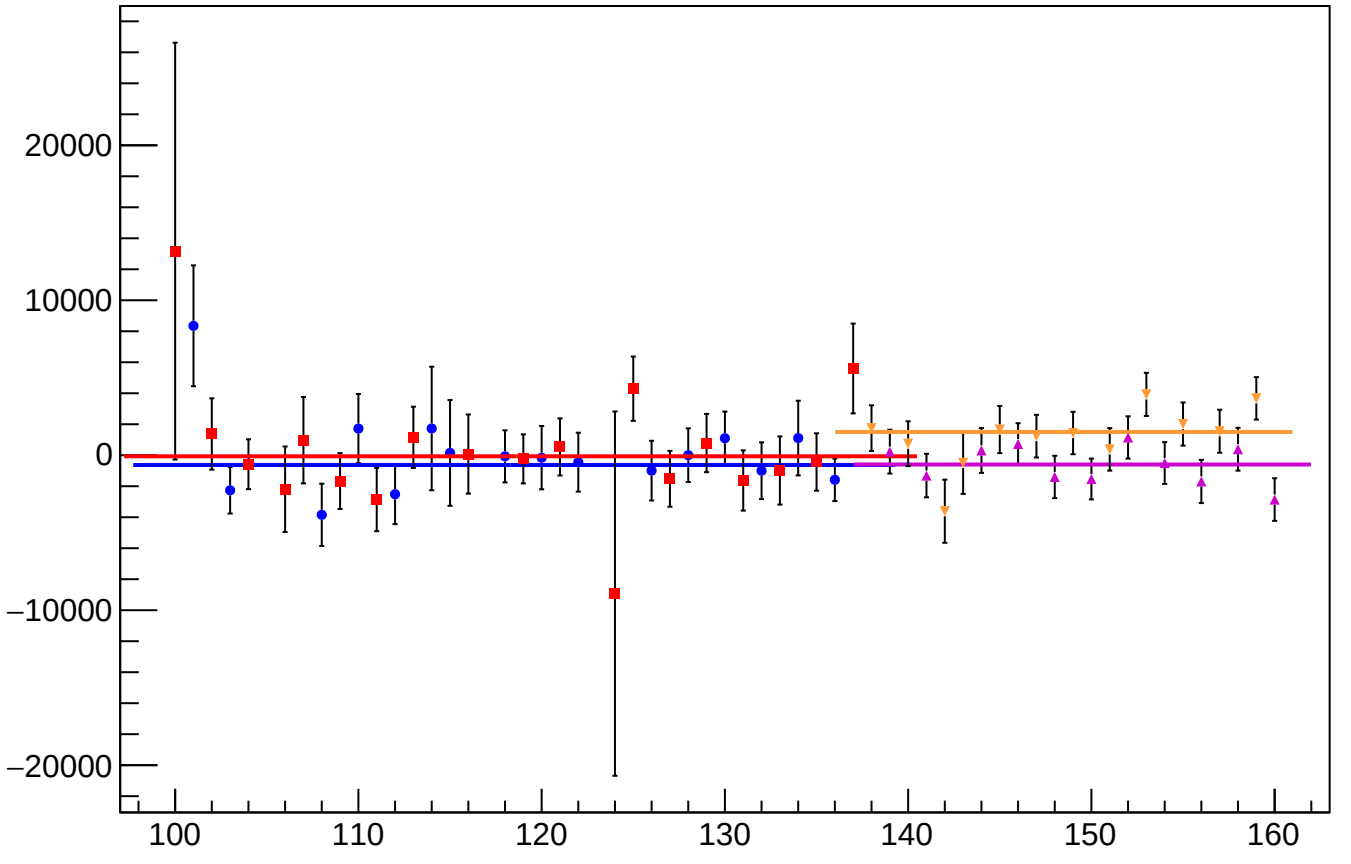
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:31.4/30

All: 0.000+/-0.000 χ^2/NDF: 65.8/57


asym_at1_avg_at2_avg_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:1189787.2/10
Left: 0.000+/-0.000 χ²/NDF: 3536384.9/22
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:3741570.3/26
Out: 0.000+/-0.000 χ²/NDF:4947923.5/30
All: 0.000+/-0.000 χ²/NDF: 9501466.3/57



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: -597.367+/-415.077 χ^2/NDF:8.3/10

Left: 428.275+/-296.893 χ^2/NDF: 34.8/22

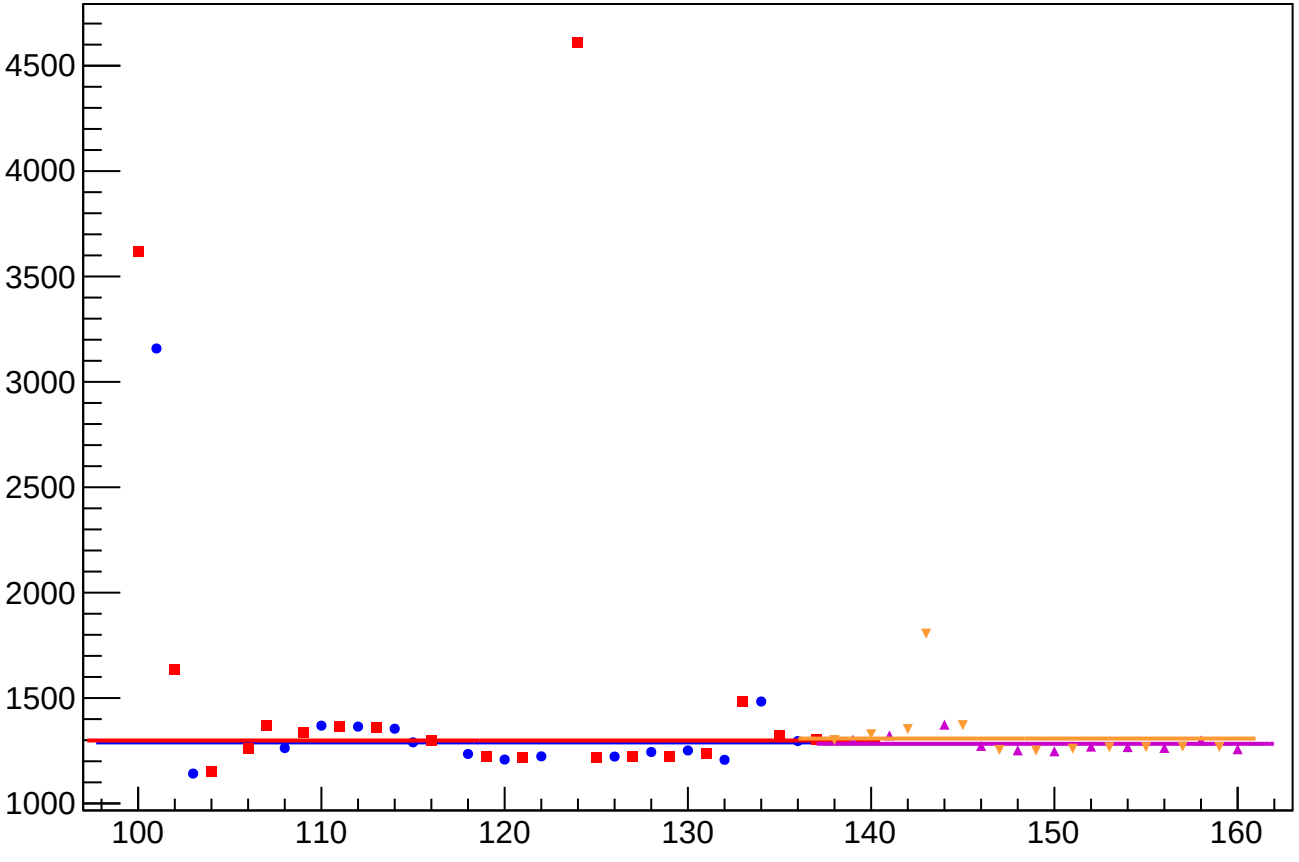
Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -611.480+/-316.355 χ^2/NDF:22.2/26

Out: 825.297+/-320.356 χ^2/NDF:35.8/30

All: 97.881+/-225.098 χ^2/NDF: 68.2/57

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

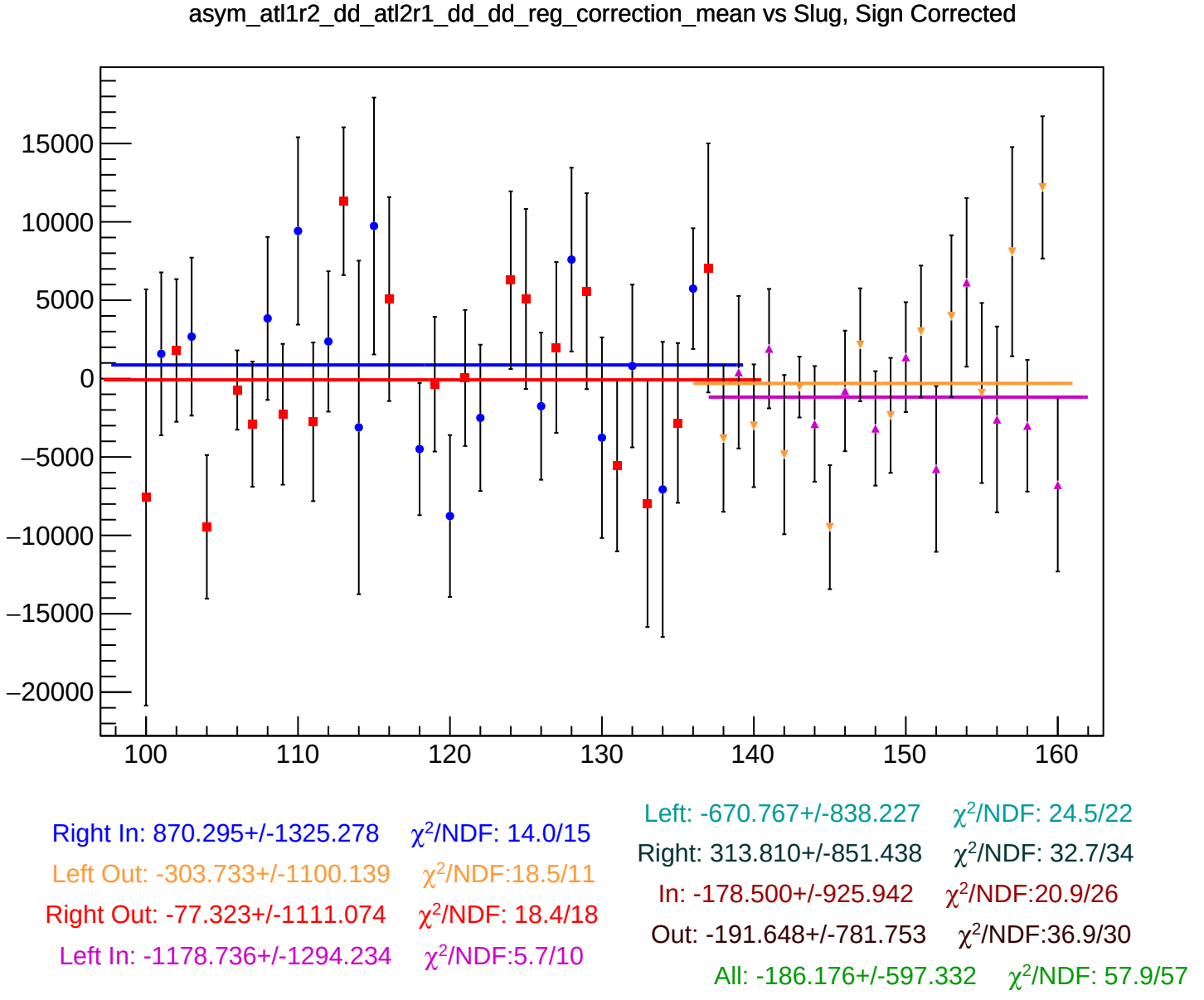
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

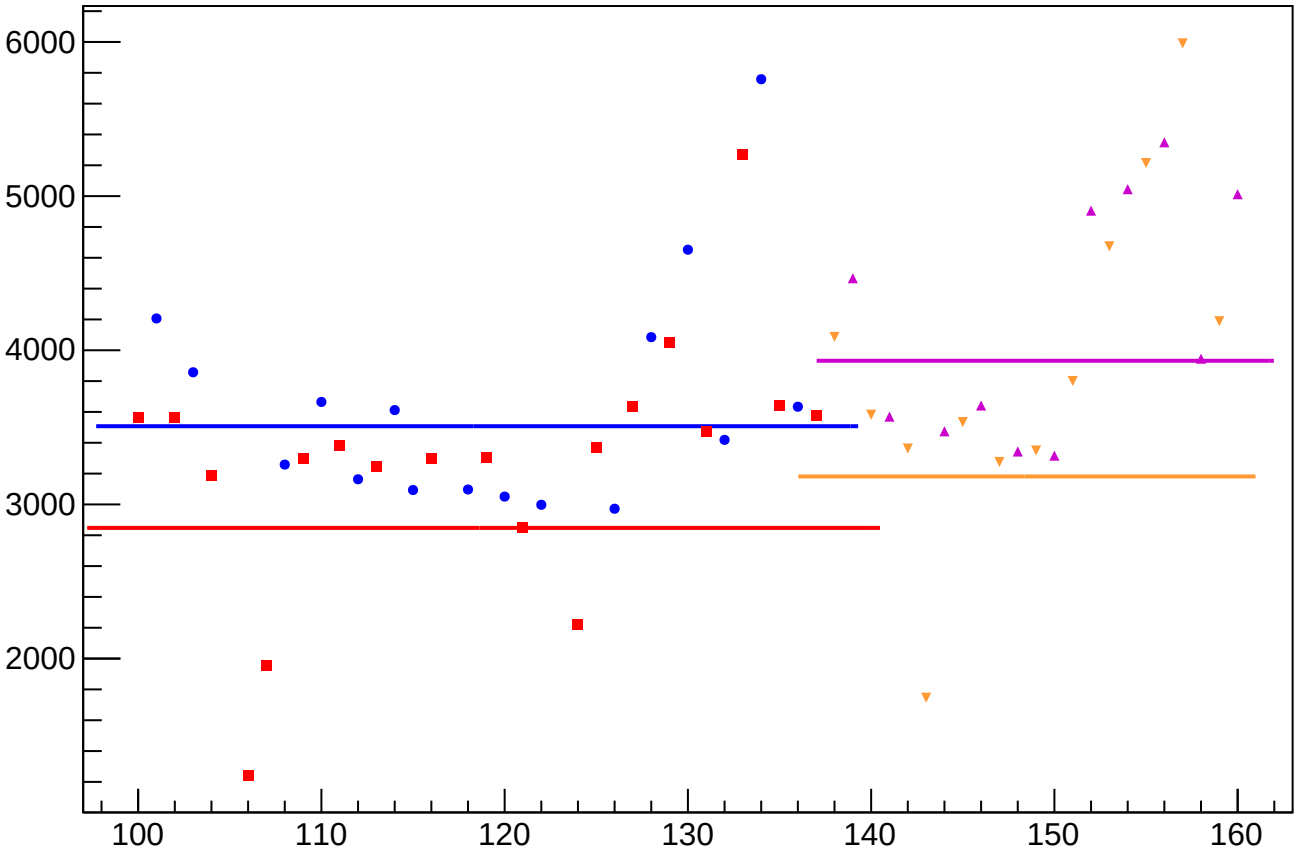
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1285.634+/-0.224 χ^2/NDF:529109.1/26

Out: 1303.859+/-0.226 χ^2/NDF:464443.4/30

All: 1294.642+/-0.159 χ^2/NDF: 996833.4/57


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: -1178.736+/-1294.234 χ²/NDF:5.7/10
Left: -670.767+/-838.227 χ²/NDF: 24.5/22
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -178.500+/-925.942 χ²/NDF:20.9/26
Out: -191.648+/-781.753 χ²/NDF:36.9/30
All: -186.176+/-597.332 χ²/NDF: 57.9/57



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: 3931.901+/-0.915 χ^2/NDF:542555.0/10

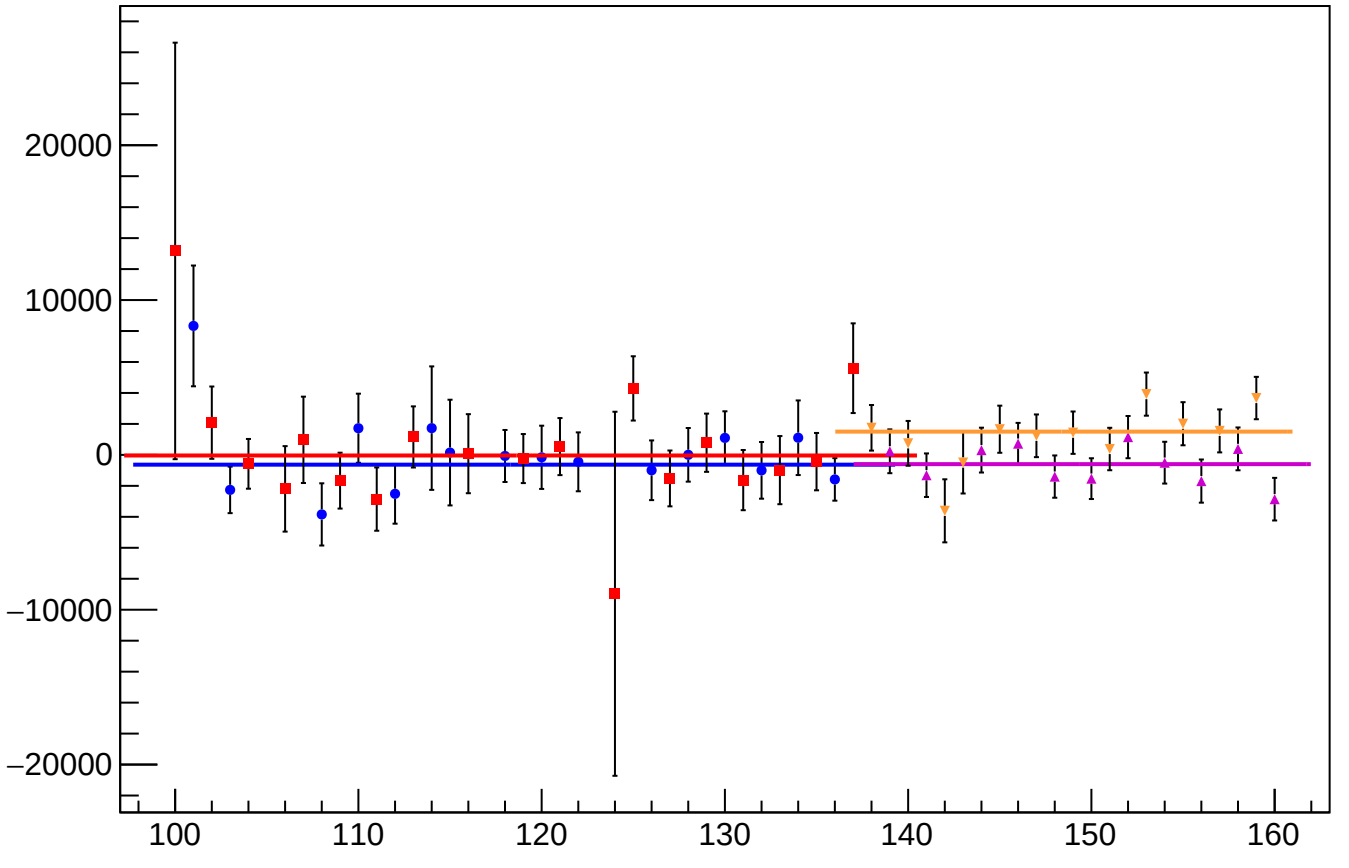
Left: 3496.189+/-0.593 χ^2/NDF: 3062401.4/22

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3724.679+/-0.655 χ^2/NDF:1001565.9/26

Out: 3016.247+/-0.553 χ^2/NDF:3719764.2/30

All: 3311.070+/-0.422 χ^2/NDF: 5404847.5/57



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: -597.365+/-415.077 χ^2/NDF:8.3/10

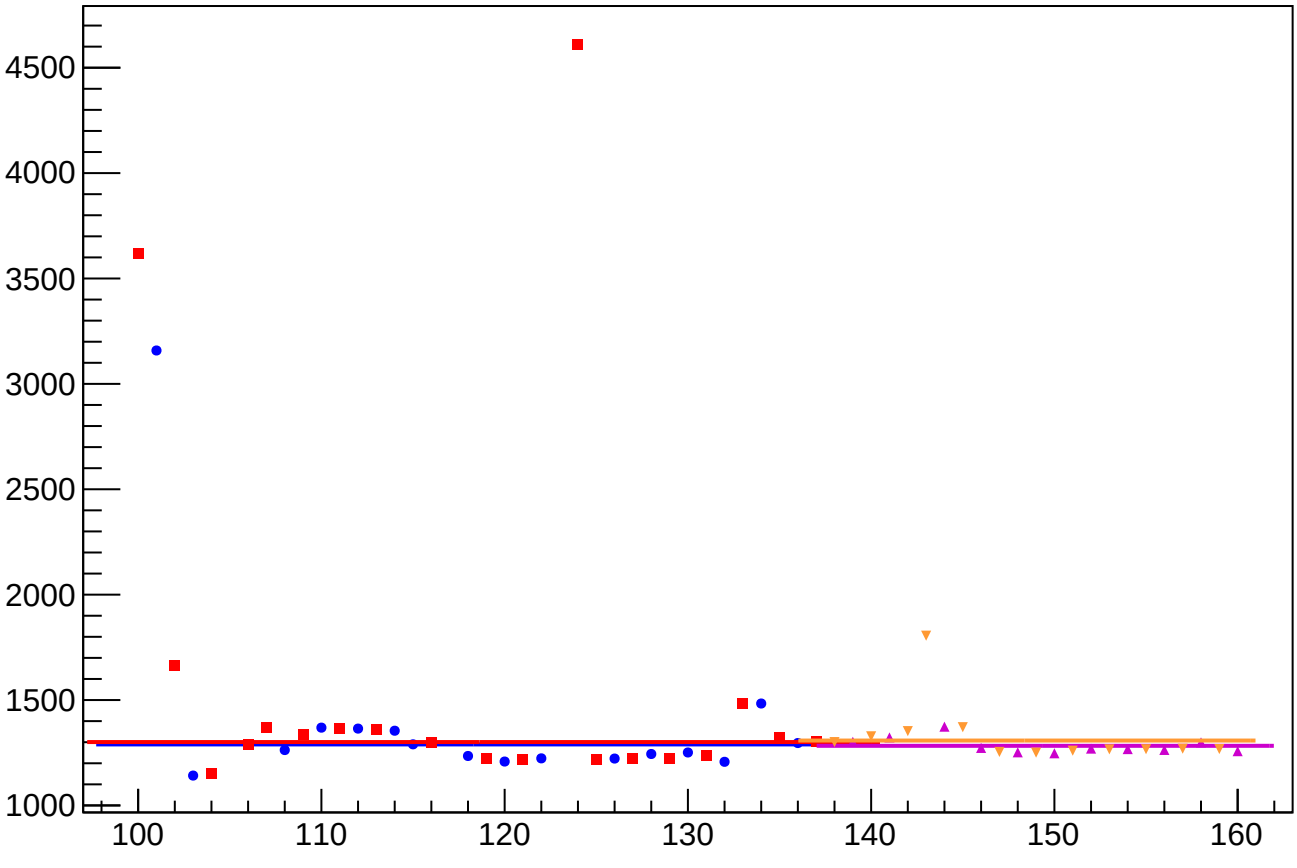
Left: 428.281+/-296.893 χ^2/NDF: 34.8/22

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 104.023+/-225.130 χ^2/NDF: 68.5/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

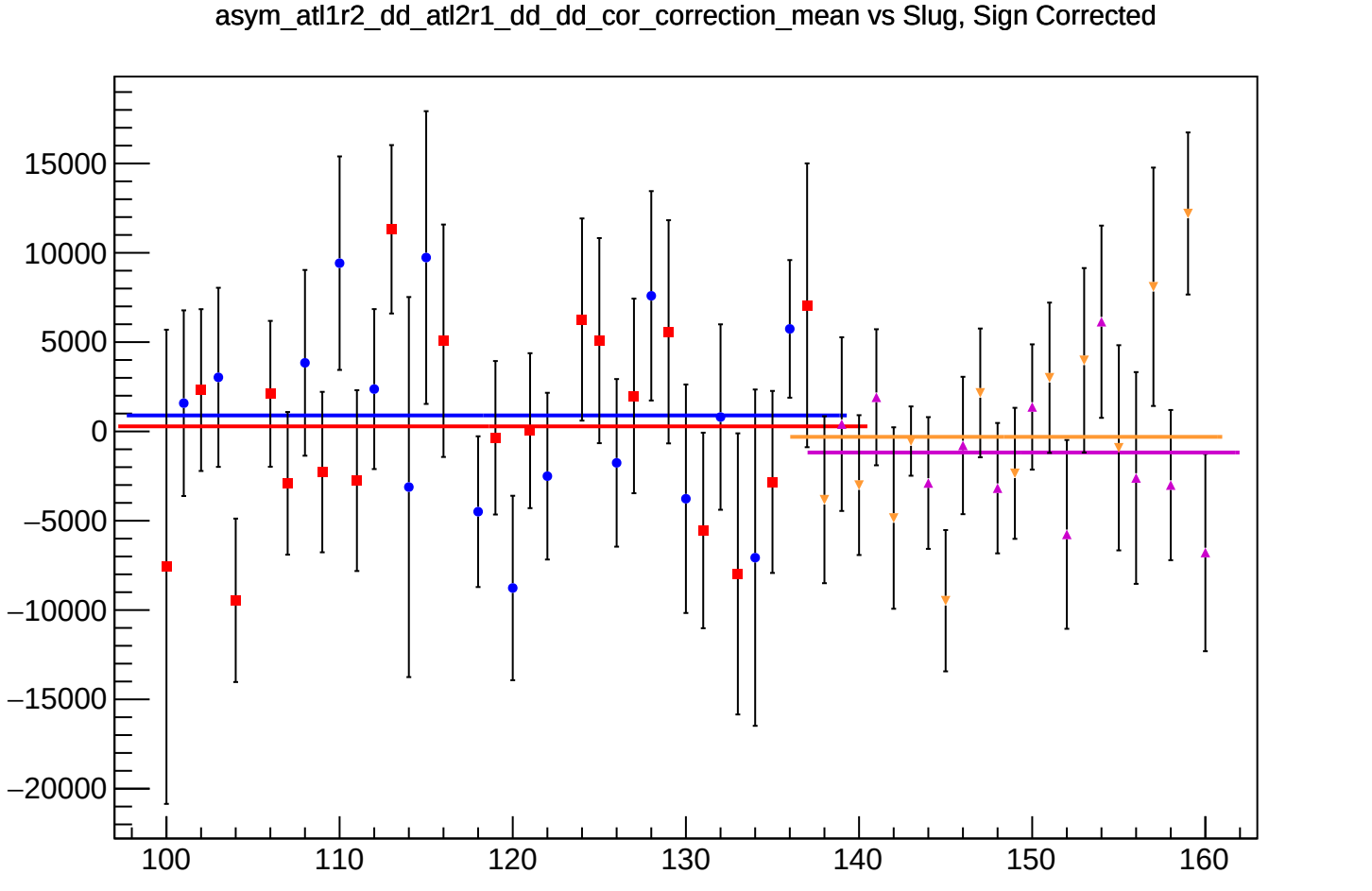
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57



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: -1178.797+/-1294.233 χ^2/NDF:5.7/10

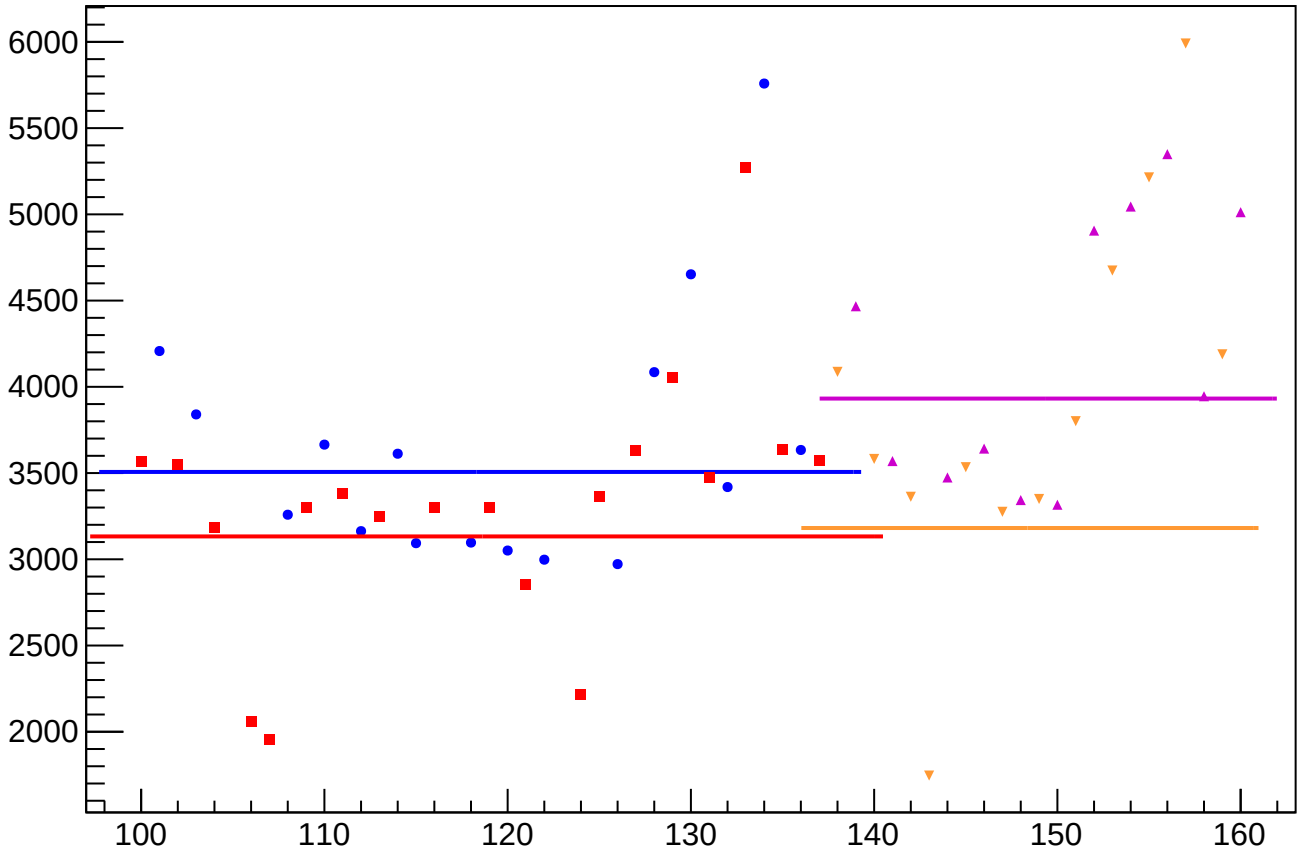
Left: -670.735+/-838.225 χ^2/NDF: 24.5/22

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: -31.176+/-805.671 χ^2/NDF:37.3/30

All: -89.116+/-607.756 χ^2/NDF: 58.3/57



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: 3931.897+/-0.915 χ^2/NDF:542555.5/10

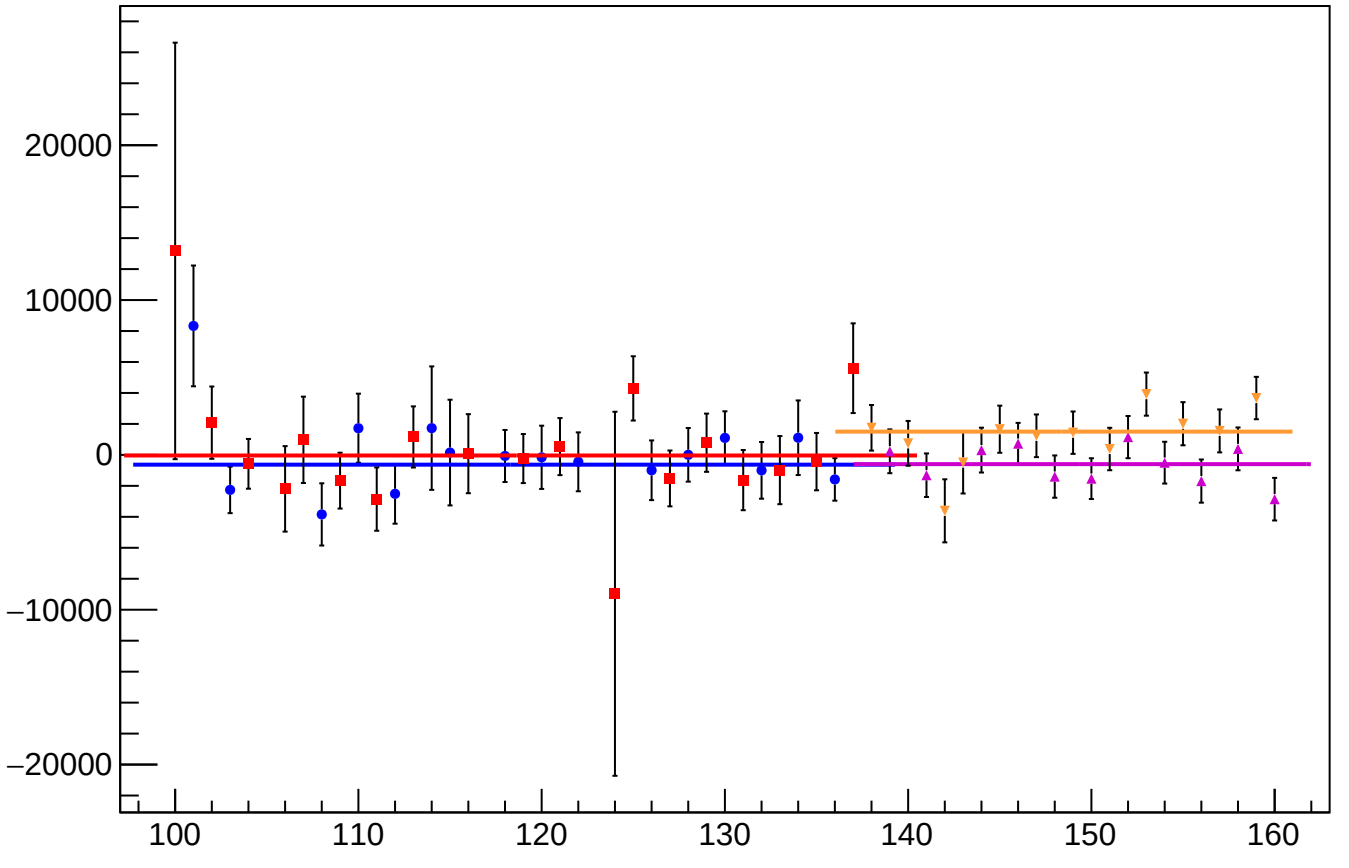
Left: 3496.180+/-0.593 χ^2/NDF: 3062432.1/22

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57



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: -597.365+/-415.077 χ^2/NDF:8.3/10

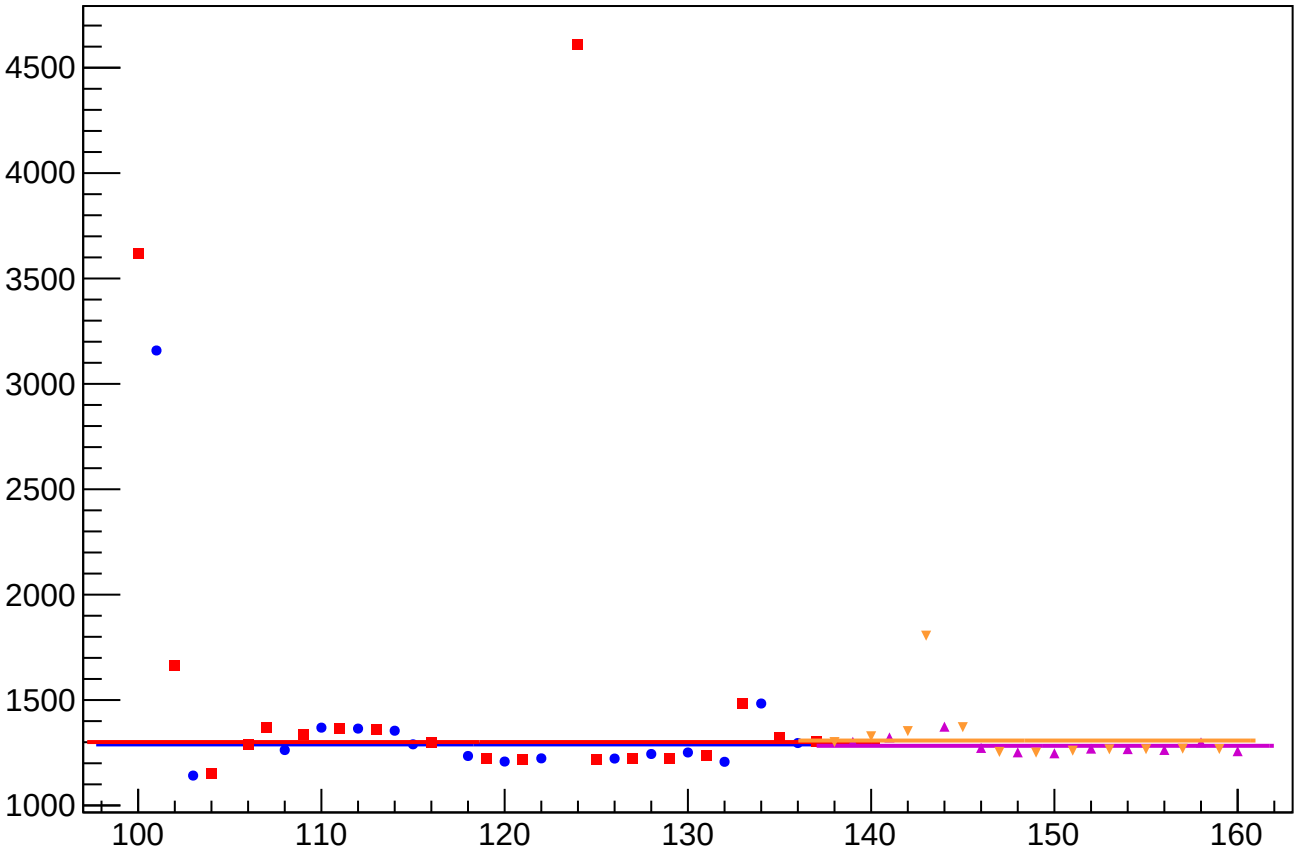
Left: 428.281+/-296.893 χ^2/NDF: 34.8/22

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 838.322+/-320.448 χ^2/NDF:36.0/30

All: 104.023+/-225.130 χ^2/NDF: 68.5/57



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: 1282.869+/-0.294 χ^2/NDF:14222.3/10

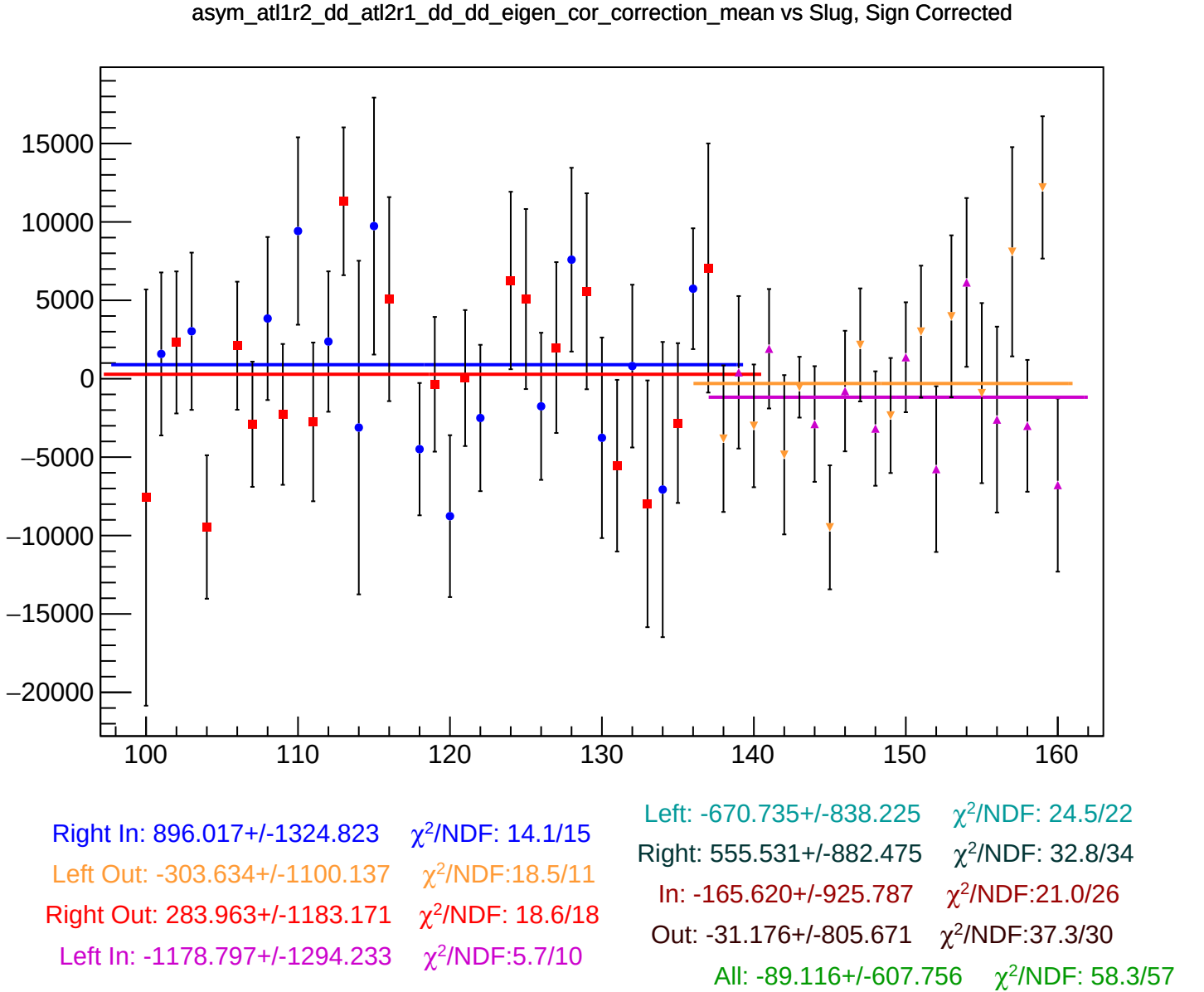
Left: 1295.058+/-0.210 χ^2/NDF: 162419.1/22

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

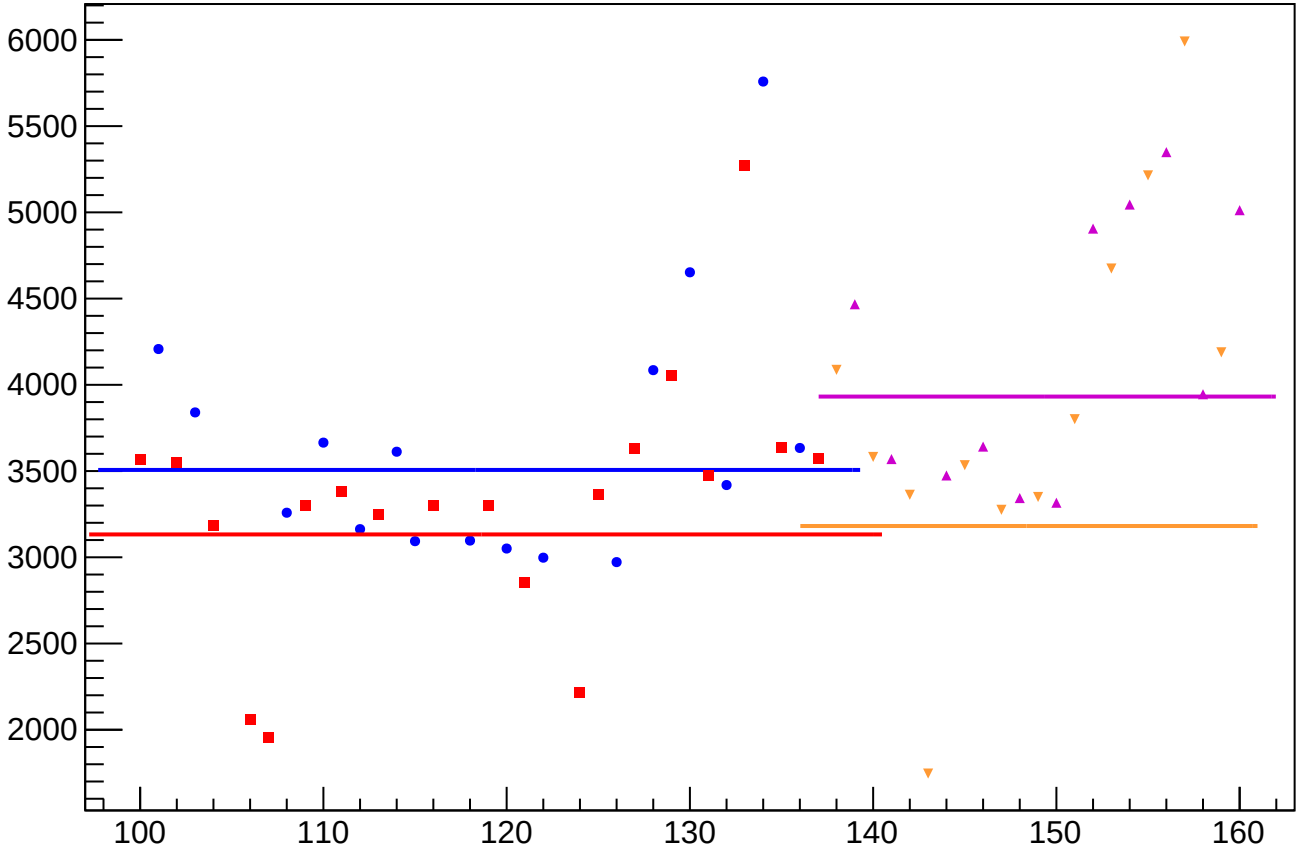
In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1304.742+/-0.226 χ^2/NDF:470817.2/30

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57


asym_atl1r2_dd_atl2r1_dd_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: -1178.797+/-1294.233 χ²/NDF:5.7/10
Left: -670.735+/-838.225 χ²/NDF: 24.5/22
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -165.620+/-925.787 χ²/NDF:21.0/26
Out: -31.176+/-805.671 χ²/NDF:37.3/30
All: -89.116+/-607.756 χ²/NDF: 58.3/57

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

Left: 3496.180+/-0.593 χ^2/NDF: 3062432.1/22

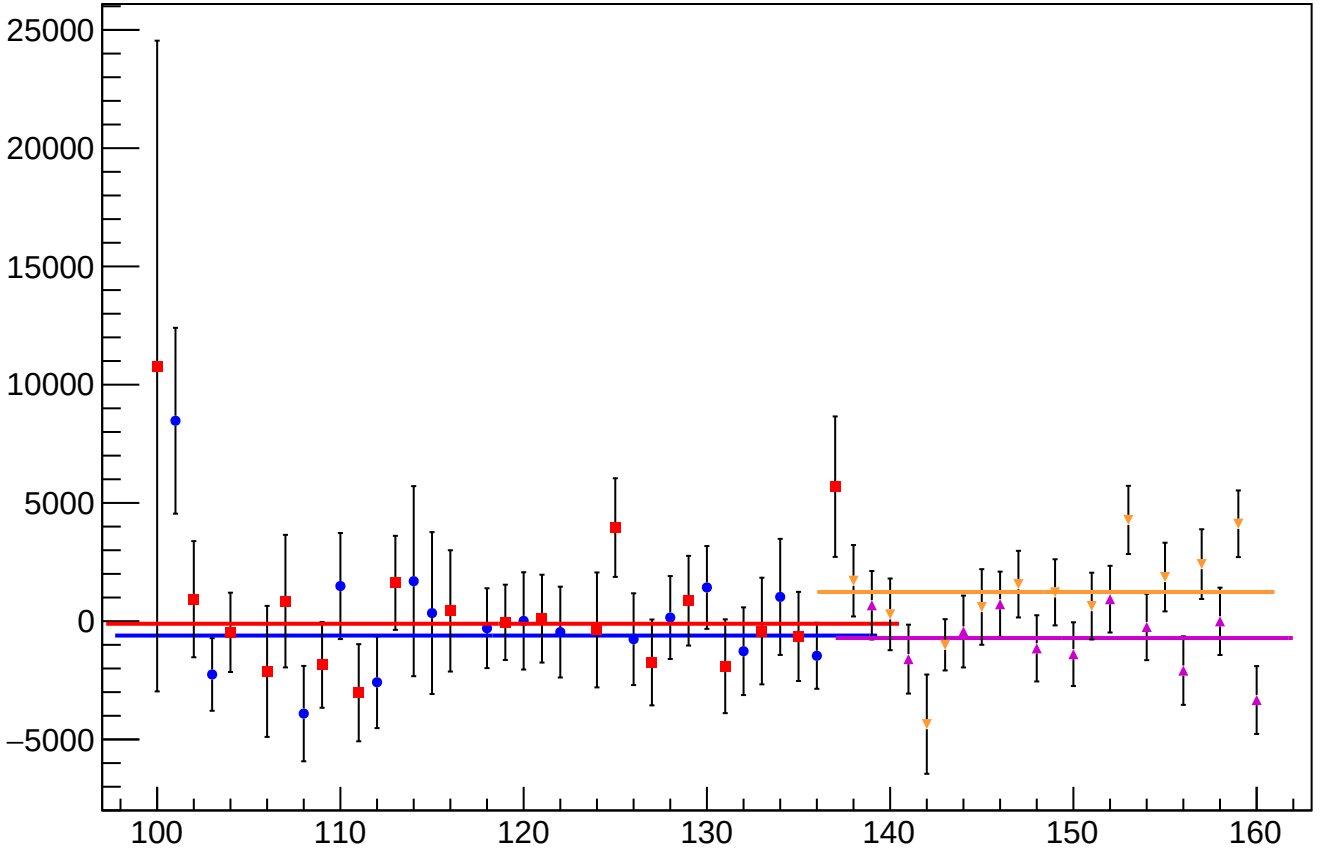
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3158.741+/-0.570 χ^2/NDF:2780842.6/30

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -712.705+/-428.982 χ^2/NDF:8.7/10

Left: 290.898+/-298.608 χ^2/NDF: 41.0/22

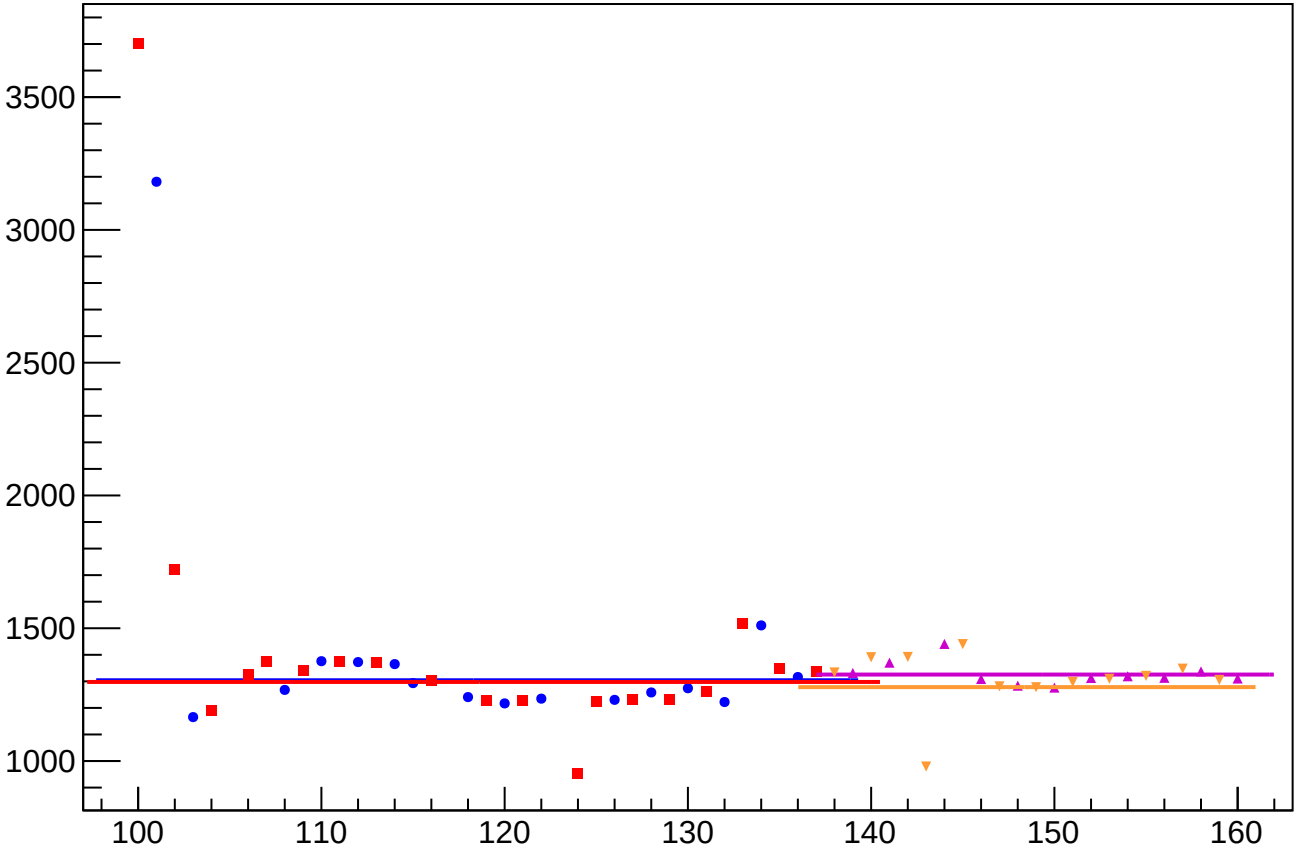
Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -667.638+/-323.953 χ^2/NDF:22.8/26

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 15.999+/-226.158 χ^2/NDF: 72.5/57

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



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: 1325.597+/-0.303 χ^2/NDF:18904.0/10

Left: 1301.219+/-0.211 χ^2/NDF: 232022.2/22

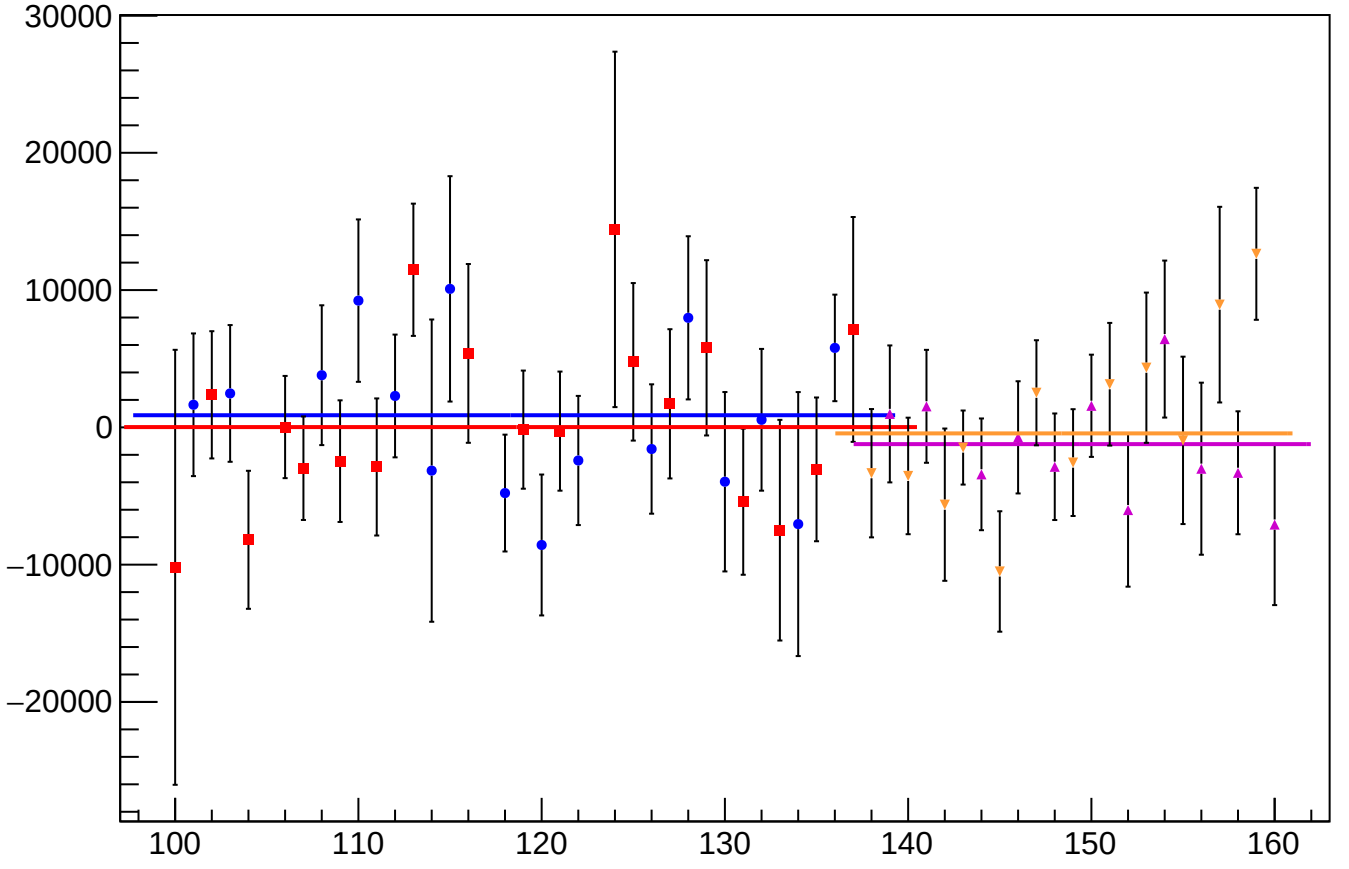
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.360+/-0.229 χ^2/NDF:531651.3/26

Out: 1286.560+/-0.223 χ^2/NDF:415545.4/30

All: 1301.079+/-0.160 χ^2/NDF: 955875.4/57

asym_atl1r2_dd_atl2r1_dd_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: -1220.374+/-1379.867 χ^2/NDF:5.5/10

Left: -793.941+/-930.003 χ^2/NDF: 24.3/22

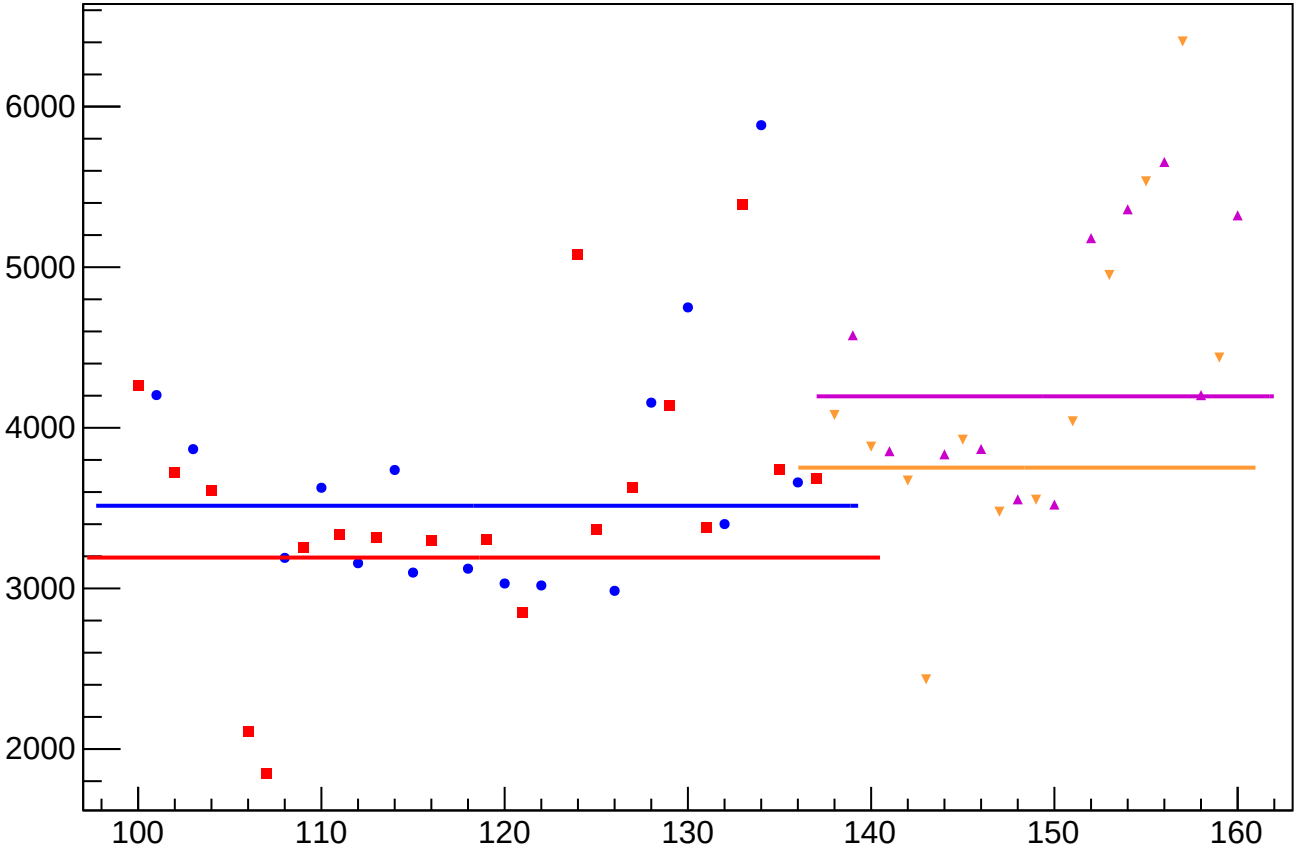
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -127.389+/-956.624 χ^2/NDF:20.8/26

Out: -198.161+/-868.607 χ^2/NDF:35.5/30

All: -166.180+/-643.068 χ^2/NDF: 56.4/57

asym_atl1r2_dd_atl2r1_dd_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: 4196.018+/-0.976 χ^2/NDF:501534.5/10

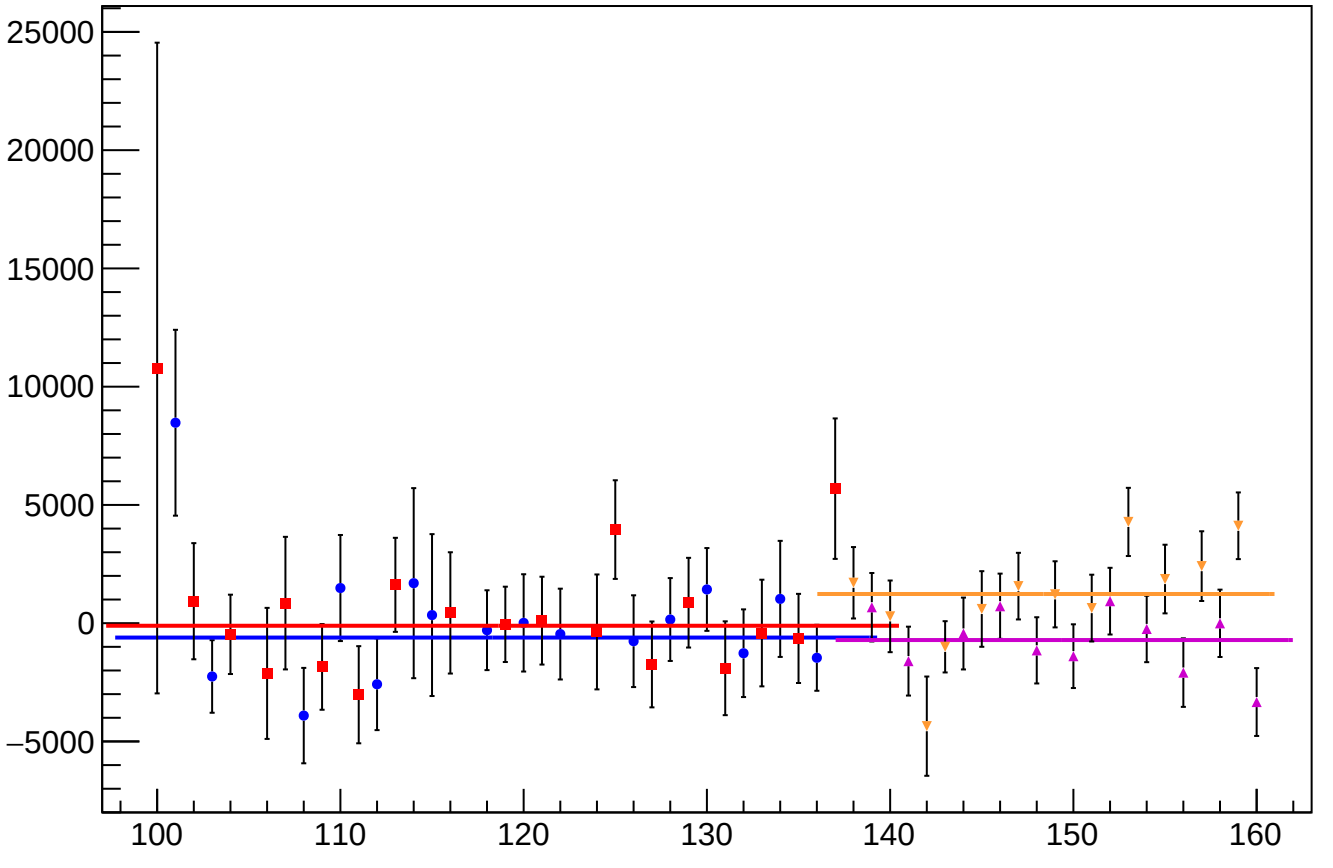
Left: 3953.708+/-0.658 χ^2/NDF: 1716278.4/22

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3842.184+/-0.676 χ^2/NDF:1129820.9/26

Out: 3458.718+/-0.614 χ^2/NDF:2081450.1/30

All: 3632.002+/-0.455 χ^2/NDF: 3387415.9/57



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: -712.706+/-428.982 χ^2/NDF:8.7/10

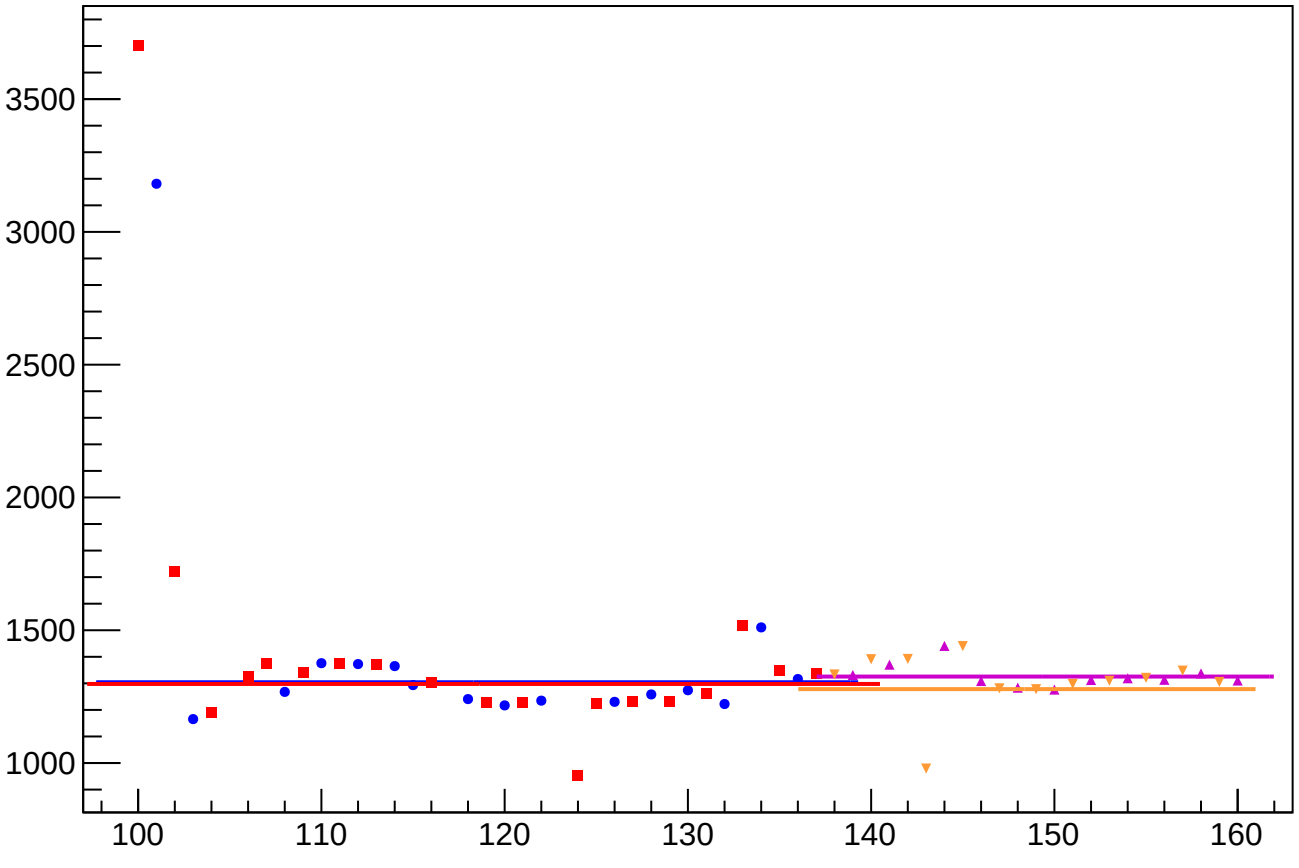
Left: 290.899+/-298.608 χ^2/NDF: 41.0/22

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -667.640+/-323.953 χ^2/NDF:22.8/26

Out: 665.959+/-315.873 χ^2/NDF:41.0/30

All: 15.998+/-226.159 χ^2/NDF: 72.5/57



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: 1325.598+/-0.303 χ^2/NDF:18904.1/10

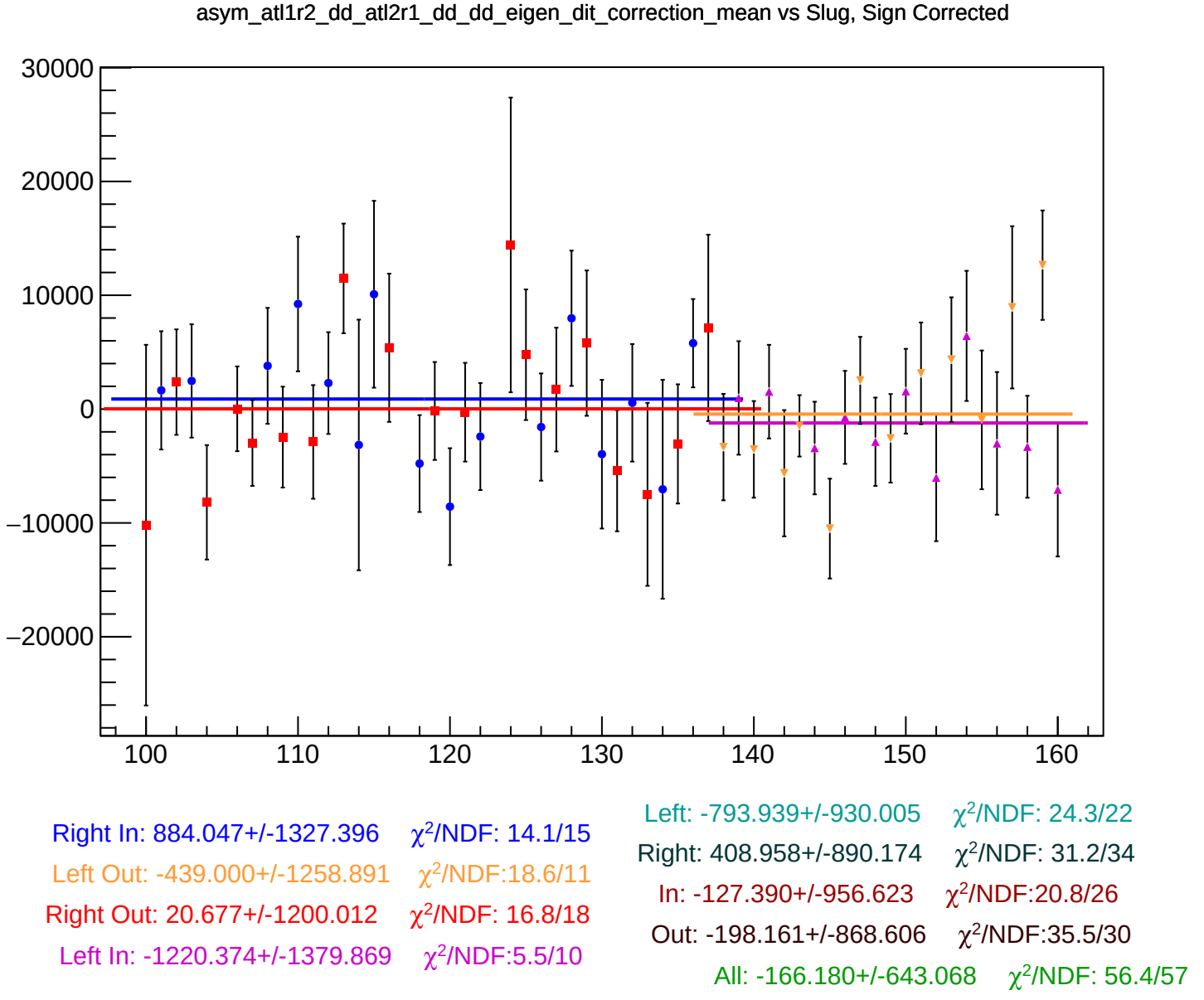
Left: 1301.220+/-0.211 χ^2/NDF: 232022.8/22

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

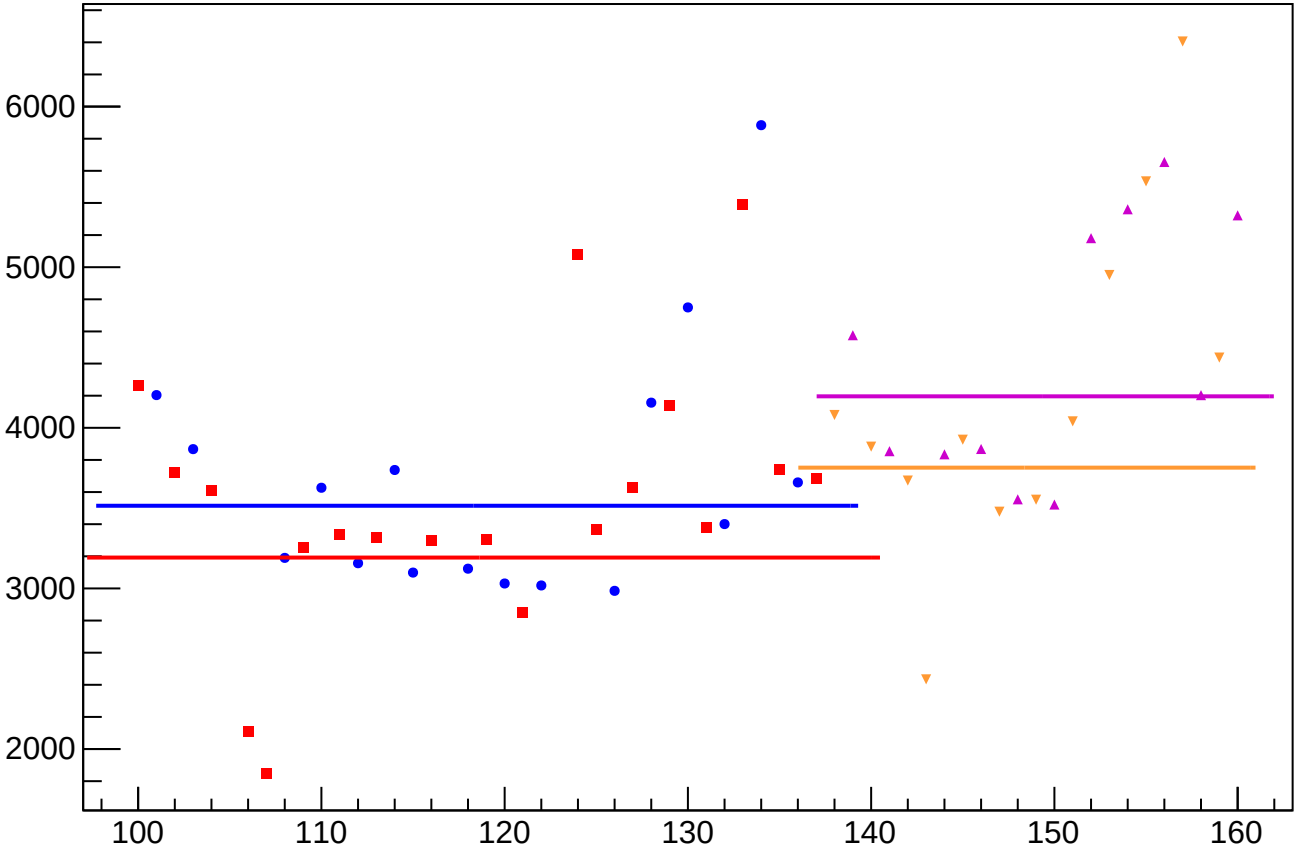
In: 1316.361+/-0.229 χ^2/NDF:531651.8/26

Out: 1286.560+/-0.223 χ^2/NDF:415545.7/30

All: 1301.080+/-0.160 χ^2/NDF: 955876.2/57


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
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: -1220.374+/-1379.869 χ²/NDF:5.5/10
Left: -793.939+/-930.005 χ²/NDF: 24.3/22
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -127.390+/-956.623 χ²/NDF:20.8/26
Out: -198.161+/-868.606 χ²/NDF:35.5/30
All: -166.180+/-643.068 χ²/NDF: 56.4/57

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4196.024+/-0.976 χ^2/NDF:501534.8/10

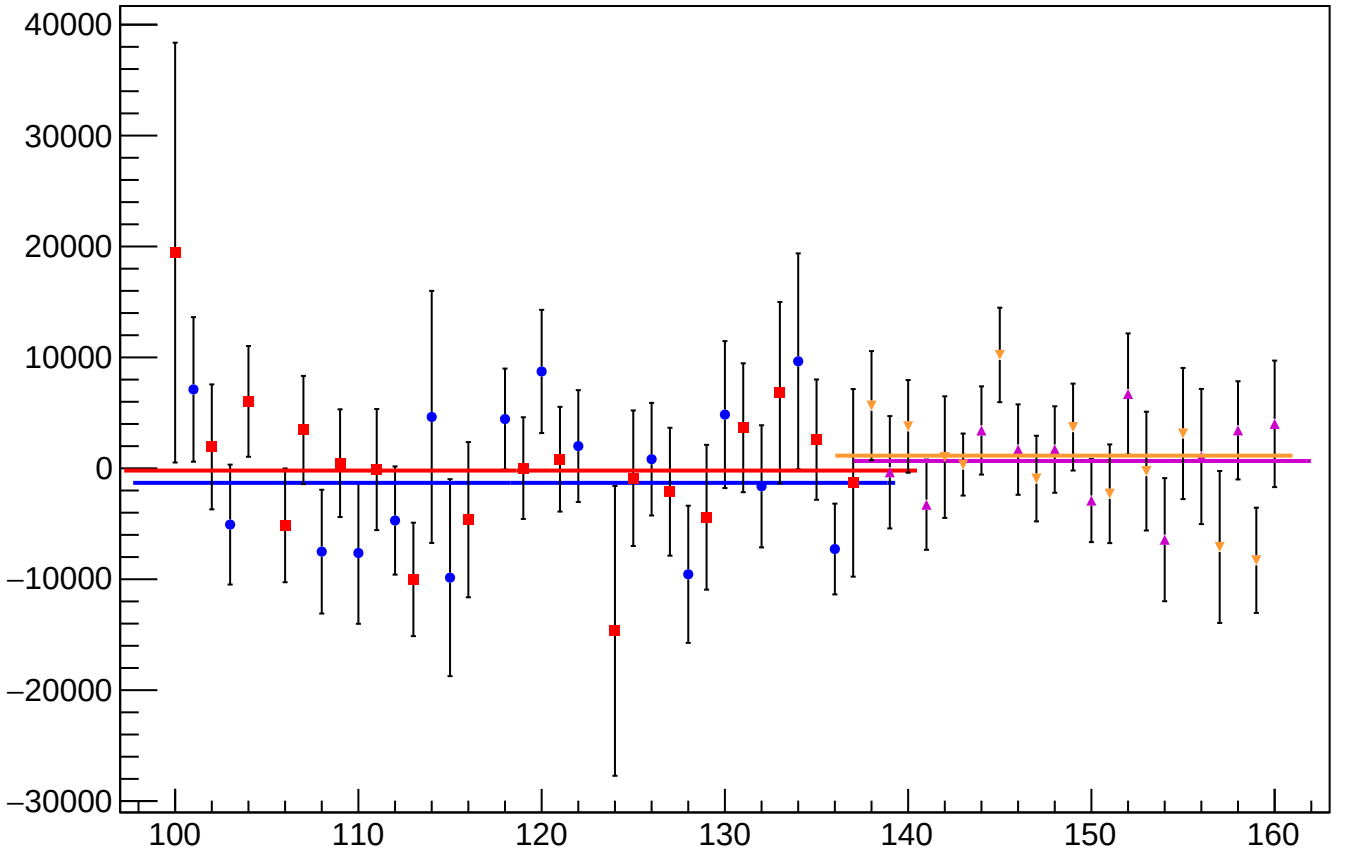
Left: 3953.714+/-0.658 χ^2/NDF: 1716278.7/22

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3842.180+/-0.676 χ^2/NDF:1129836.5/26

Out: 3458.715+/-0.614 χ^2/NDF:2081462.3/30

All: 3631.999+/-0.455 χ^2/NDF: 3387443.1/57



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: 659.186+/-1367.707 χ^2/NDF:6.1/10

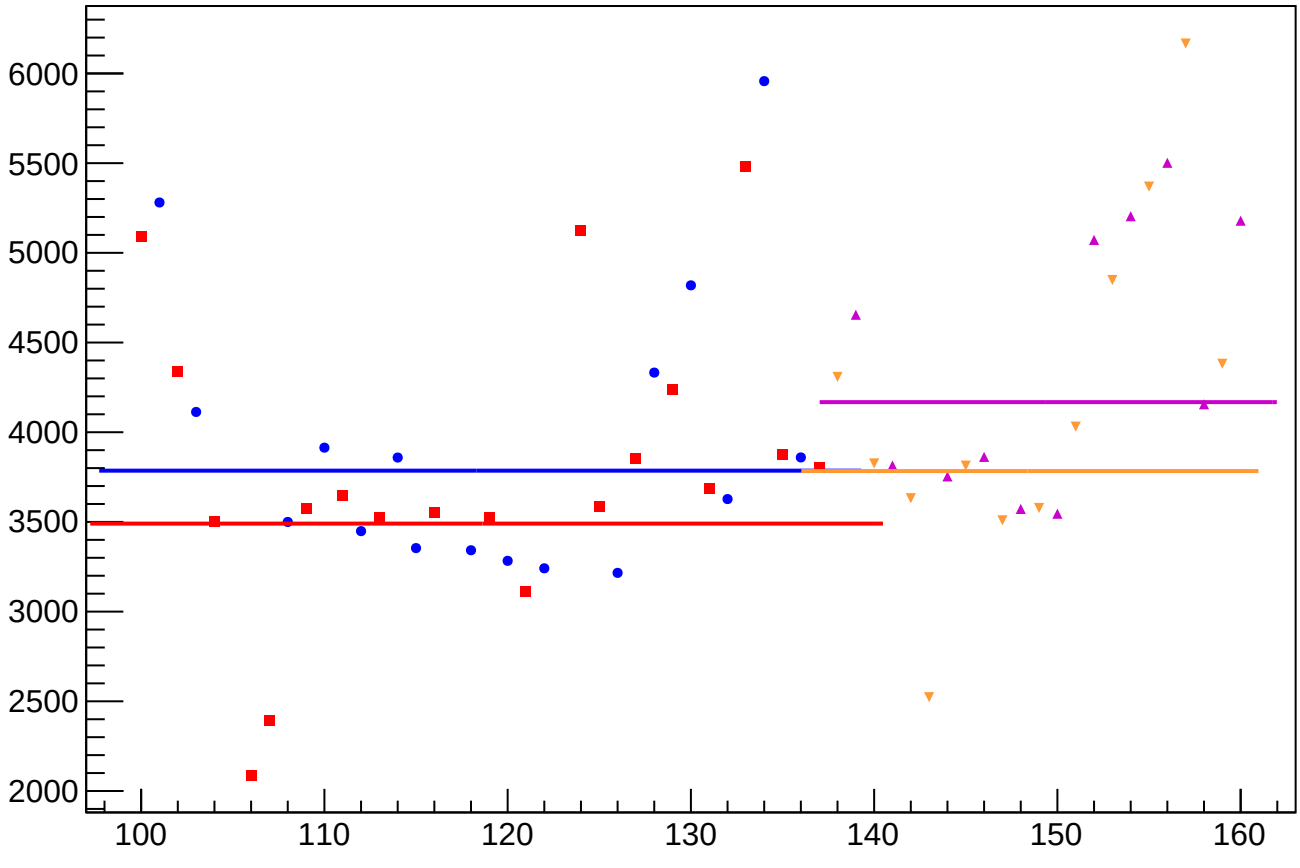
Left: 920.681+/-927.799 χ^2/NDF: 18.9/22

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -280.157+/-988.939 χ^2/NDF:24.7/26

Out: 508.902+/-917.733 χ^2/NDF:25.0/30

All: 143.799+/-672.701 χ^2/NDF: 49.9/57



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: 4167.729+/-0.967 χ^2/NDF:451630.3/10

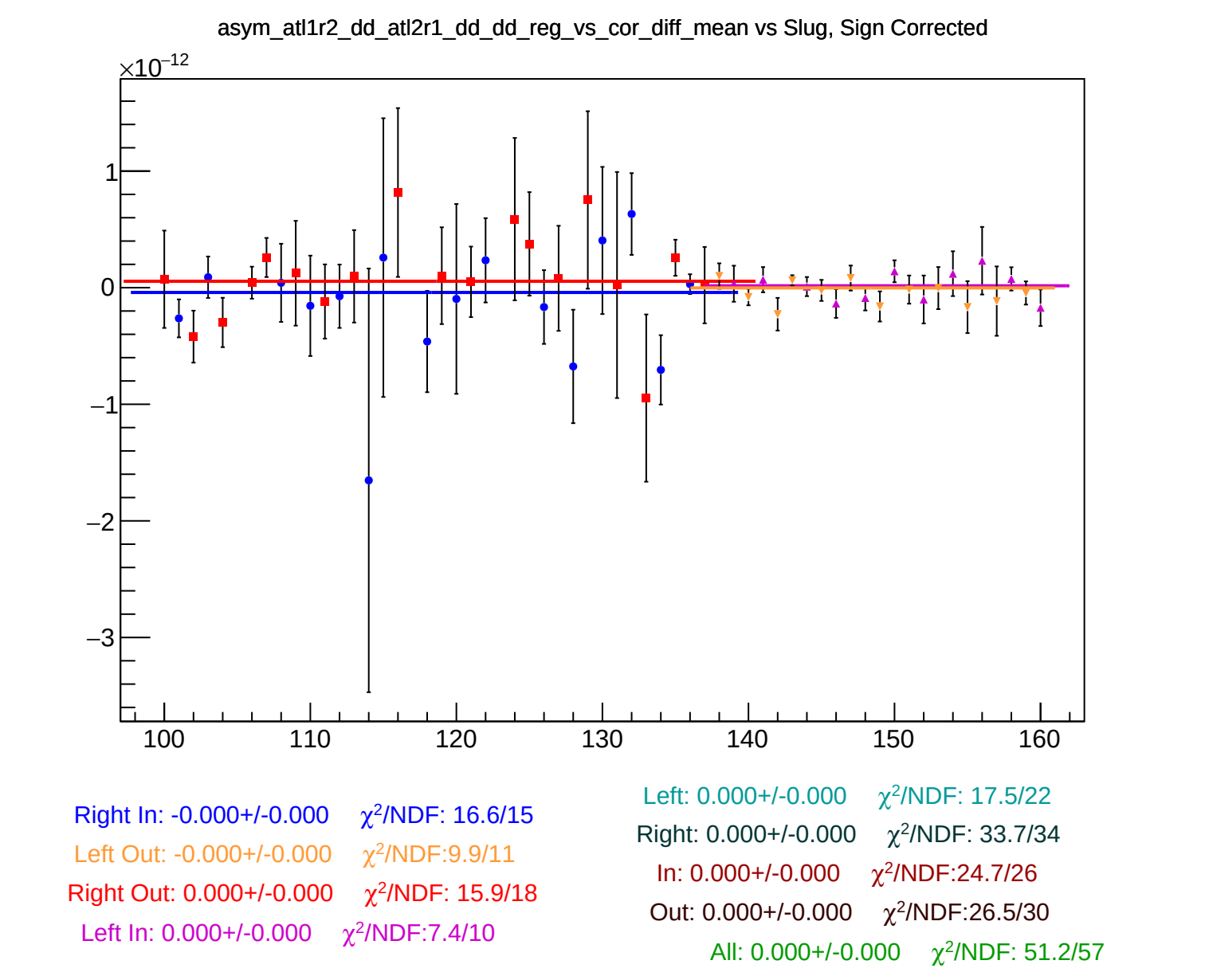
Left: 3960.304+/-0.656 χ^2/NDF: 1486966.2/22

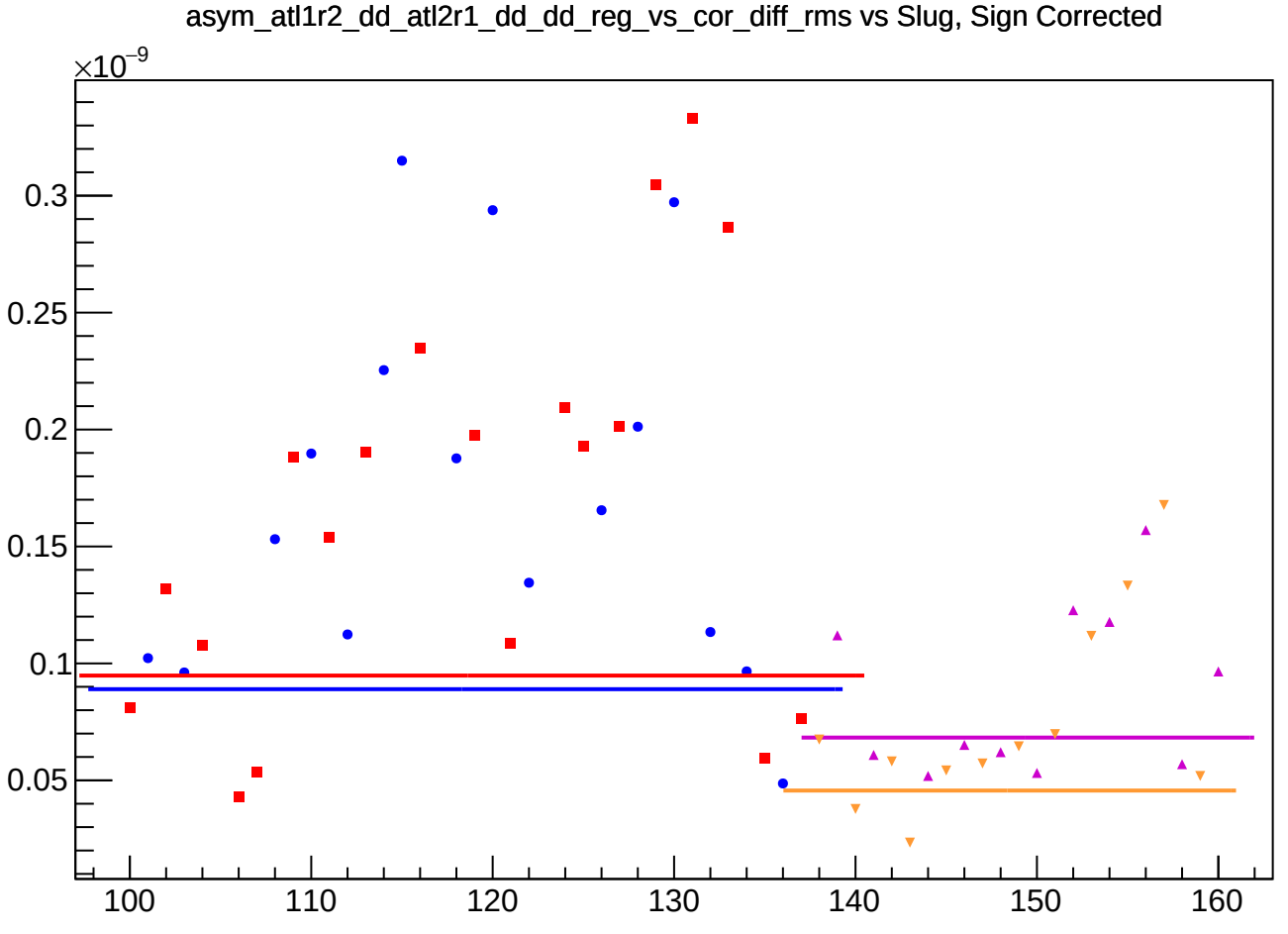
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3985.466+/-0.699 χ^2/NDF:909054.4/26

Out: 3643.296+/-0.645 χ^2/NDF:1588331.5/30

All: 3800.512+/-0.474 χ^2/NDF: 2626806.0/57


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:9.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.4/10
Left: 0.000+/-0.000 χ²/NDF: 17.5/22
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:24.7/26
Out: 0.000+/-0.000 χ²/NDF:26.5/30
All: 0.000+/-0.000 χ²/NDF: 51.2/57



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:859505.9/10

Left: 0.000+/-0.000 χ^2/NDF: 3071151.4/22

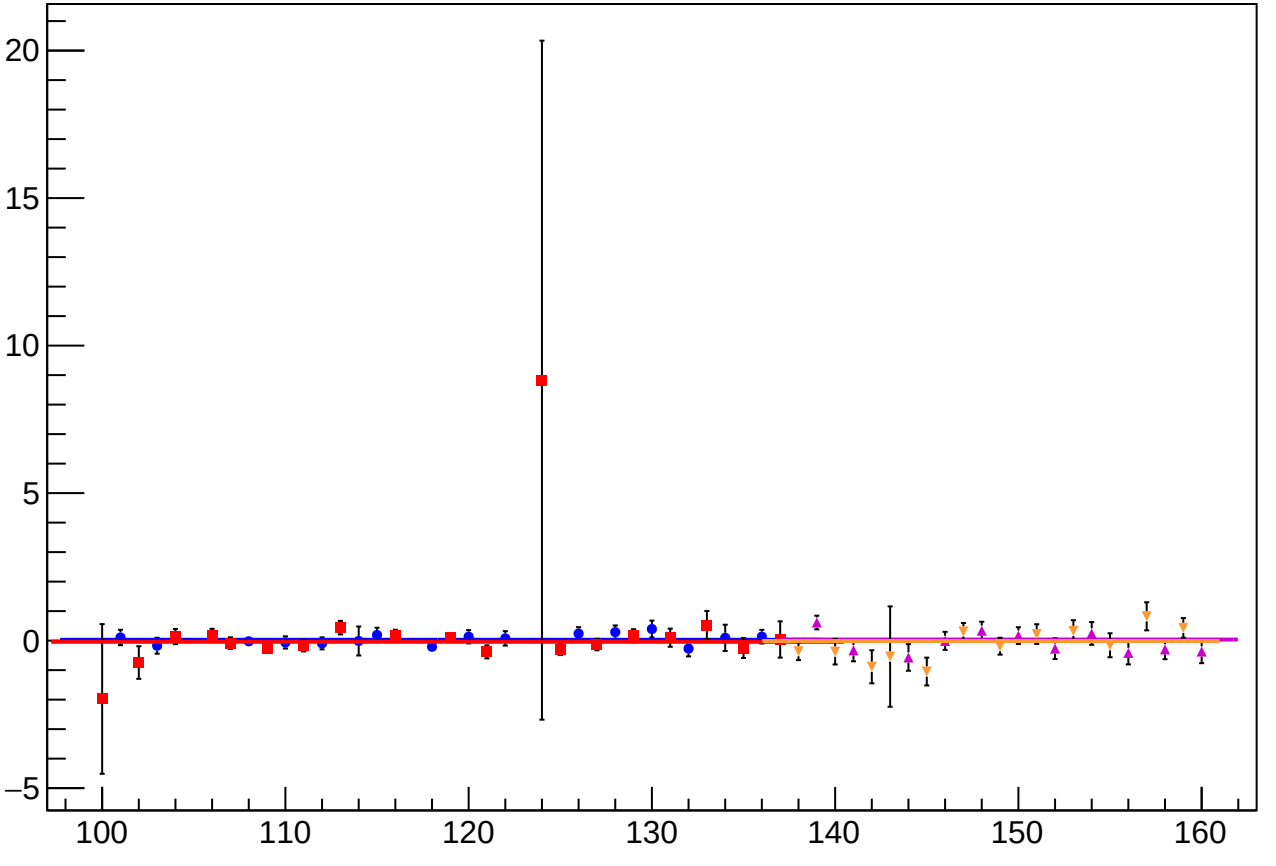
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2497841.8/26

Out: 0.000+/-0.000 χ^2/NDF:4454540.3/30

All: 0.000+/-0.000 χ^2/NDF: 7498963.5/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

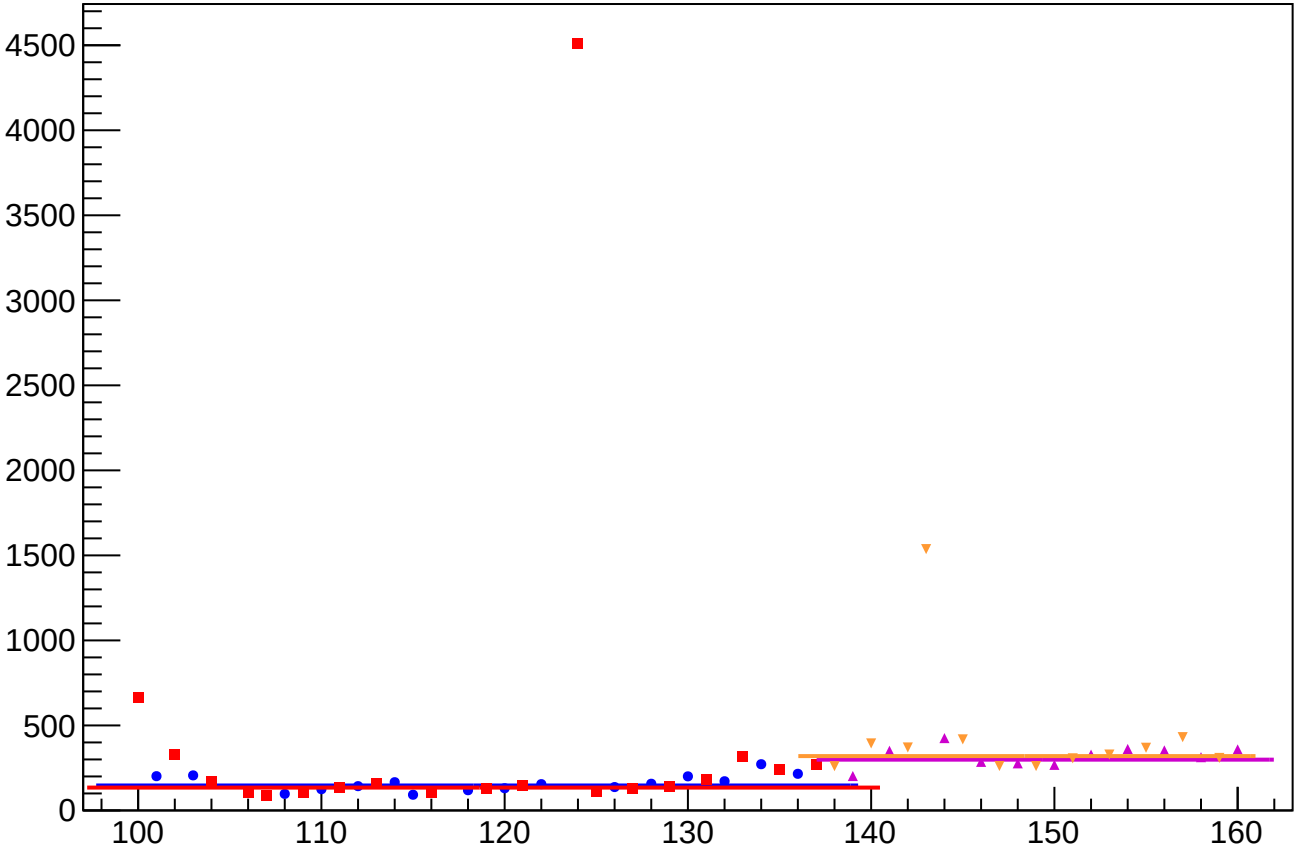
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 308.265+/-0.052 χ^2/NDF: 2346887.9/22

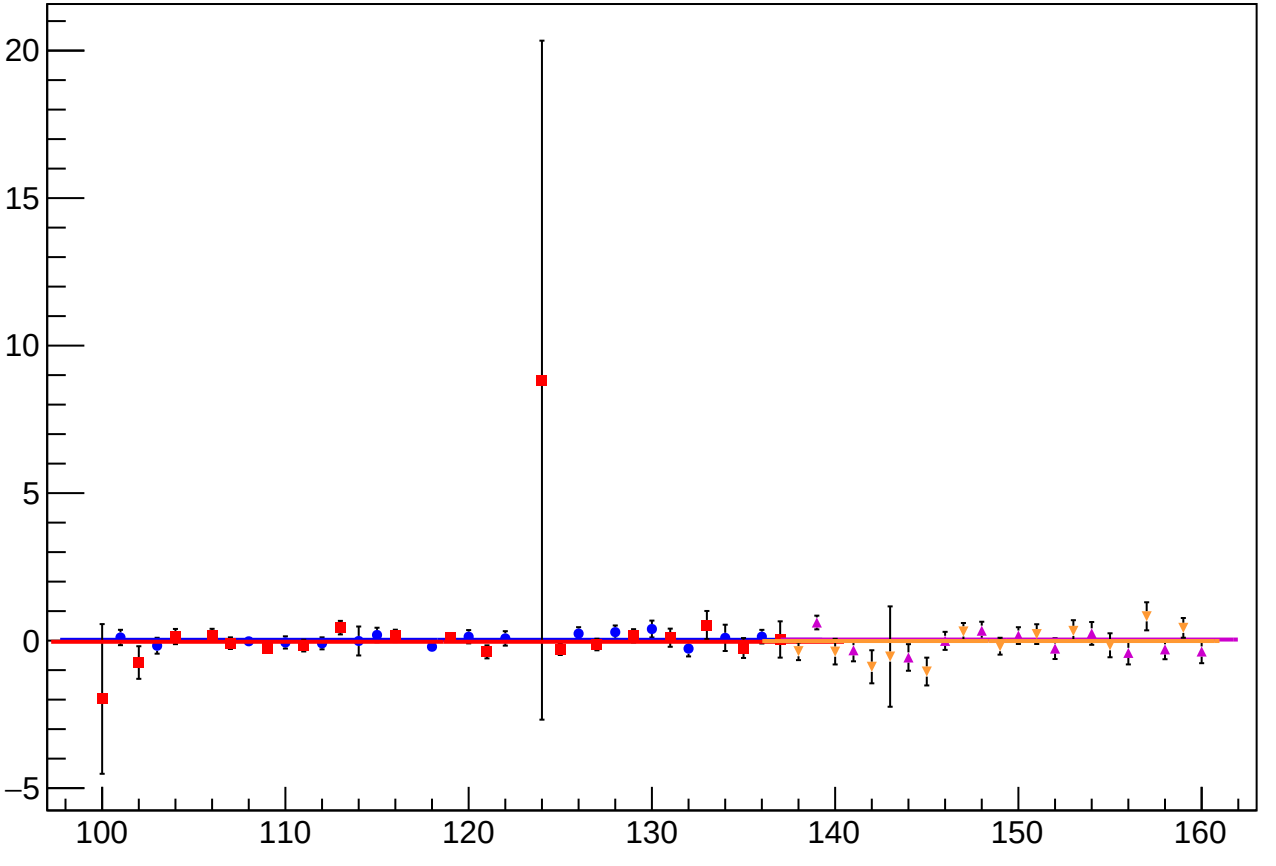
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

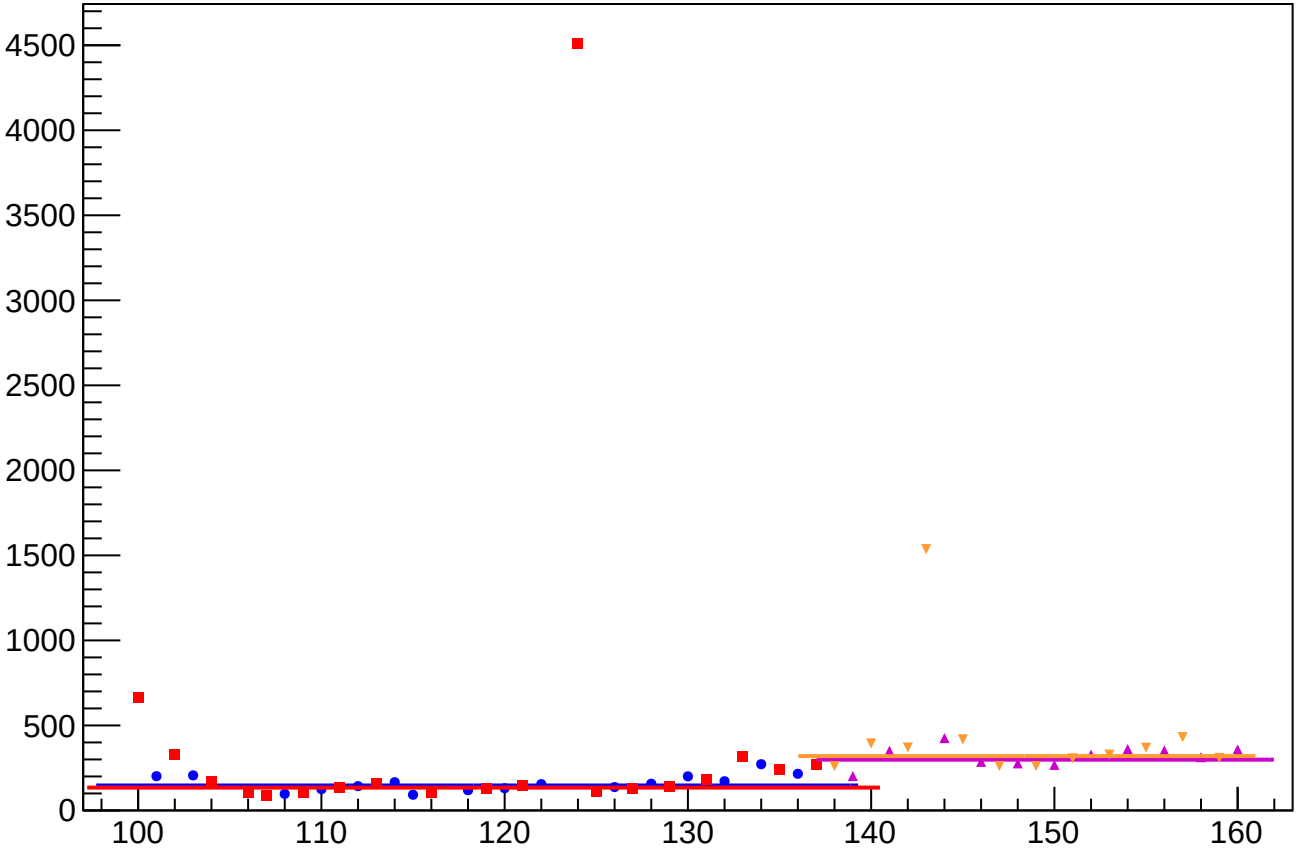
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.744+/-0.070 χ^2/NDF:732774.0/10

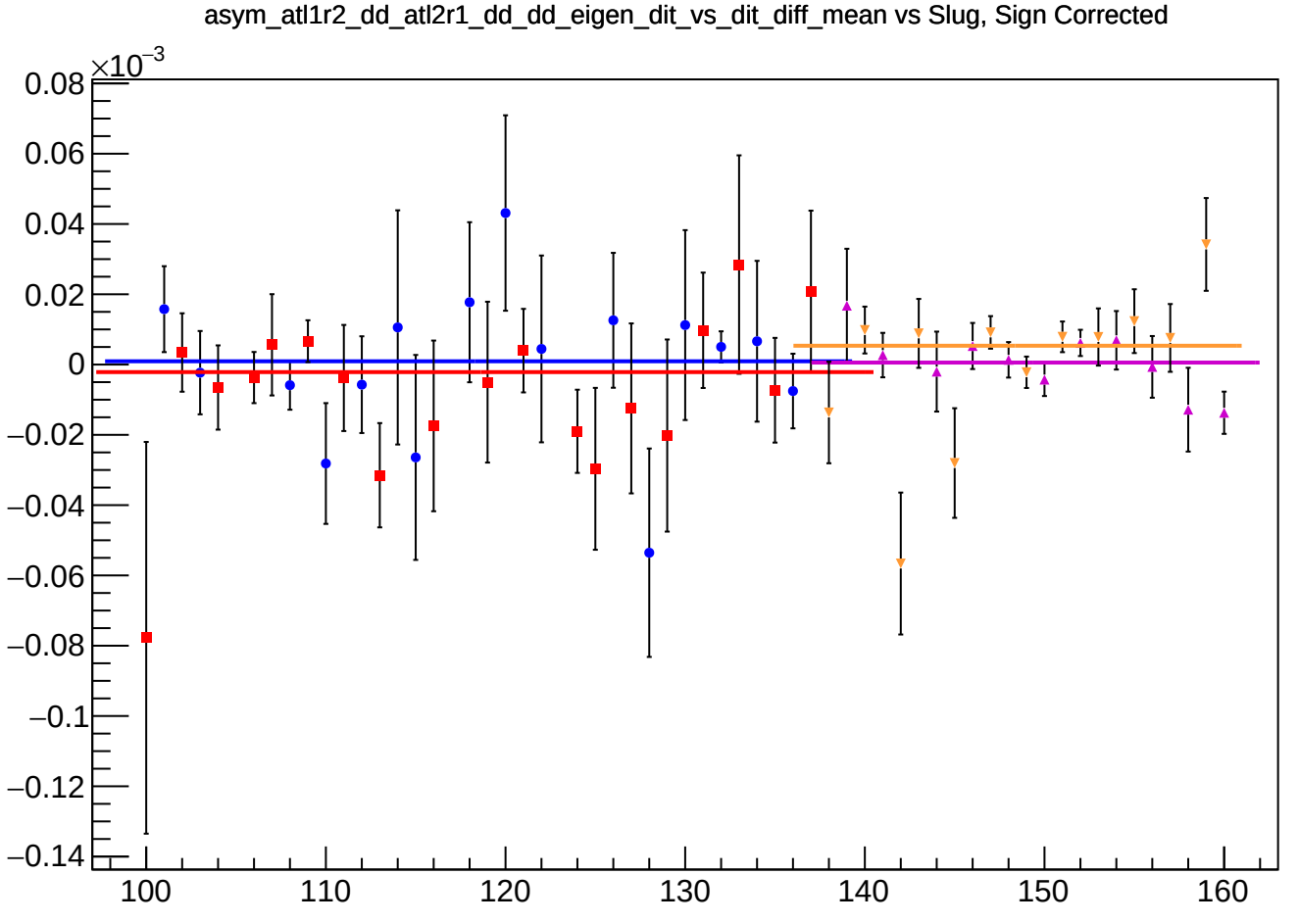
Left: 308.265+/-0.052 χ^2/NDF: 2346887.9/22

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 171.947+/-0.035 χ^2/NDF:7800752.4/30

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57



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:12.5/10

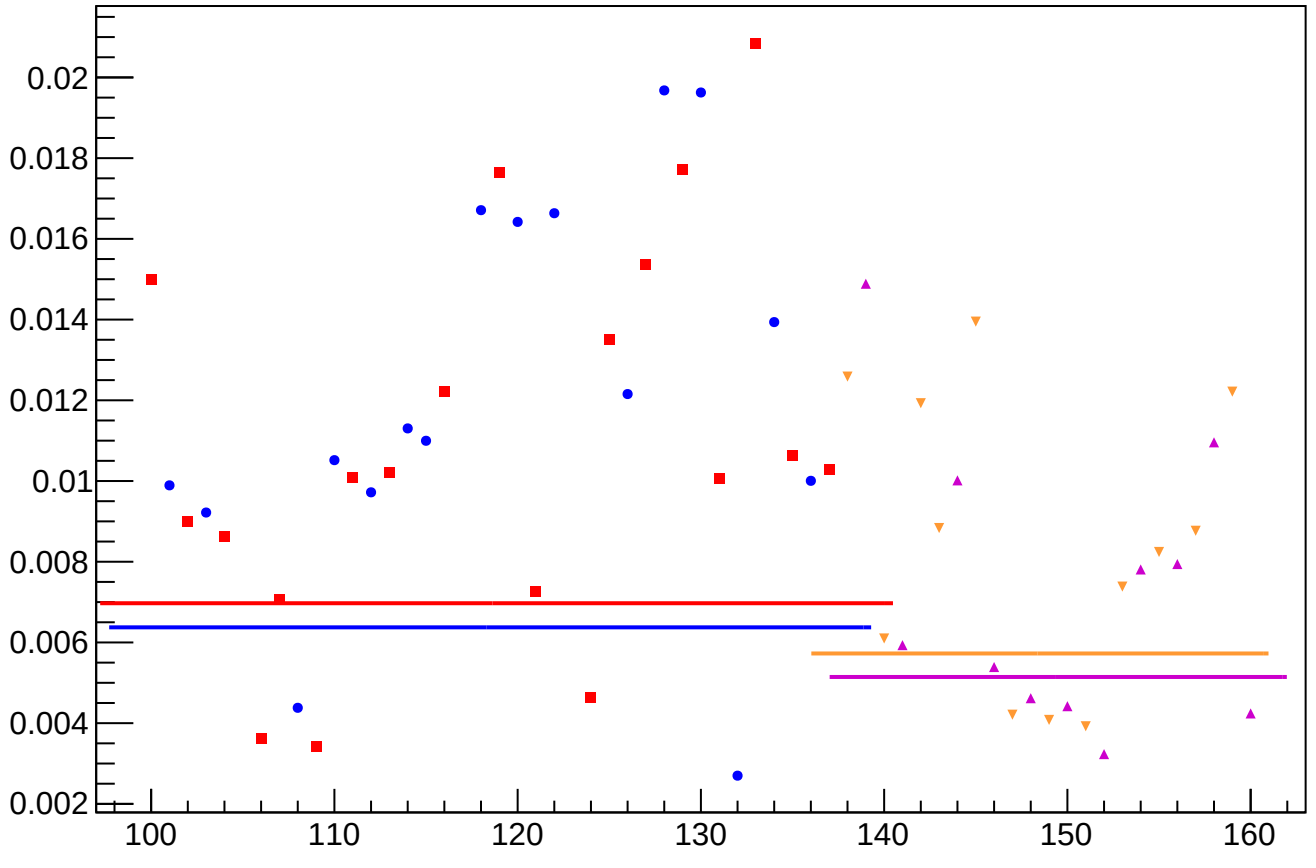
Left: 0.000+/-0.000 χ^2/NDF: 41.2/22

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: 0.000+/-0.000 χ^2/NDF:46.0/30

All: 0.000+/-0.000 χ^2/NDF: 74.4/57



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:2648124.2/10

Left: 0.005+/-0.000 χ^2/NDF: 5883844.7/22

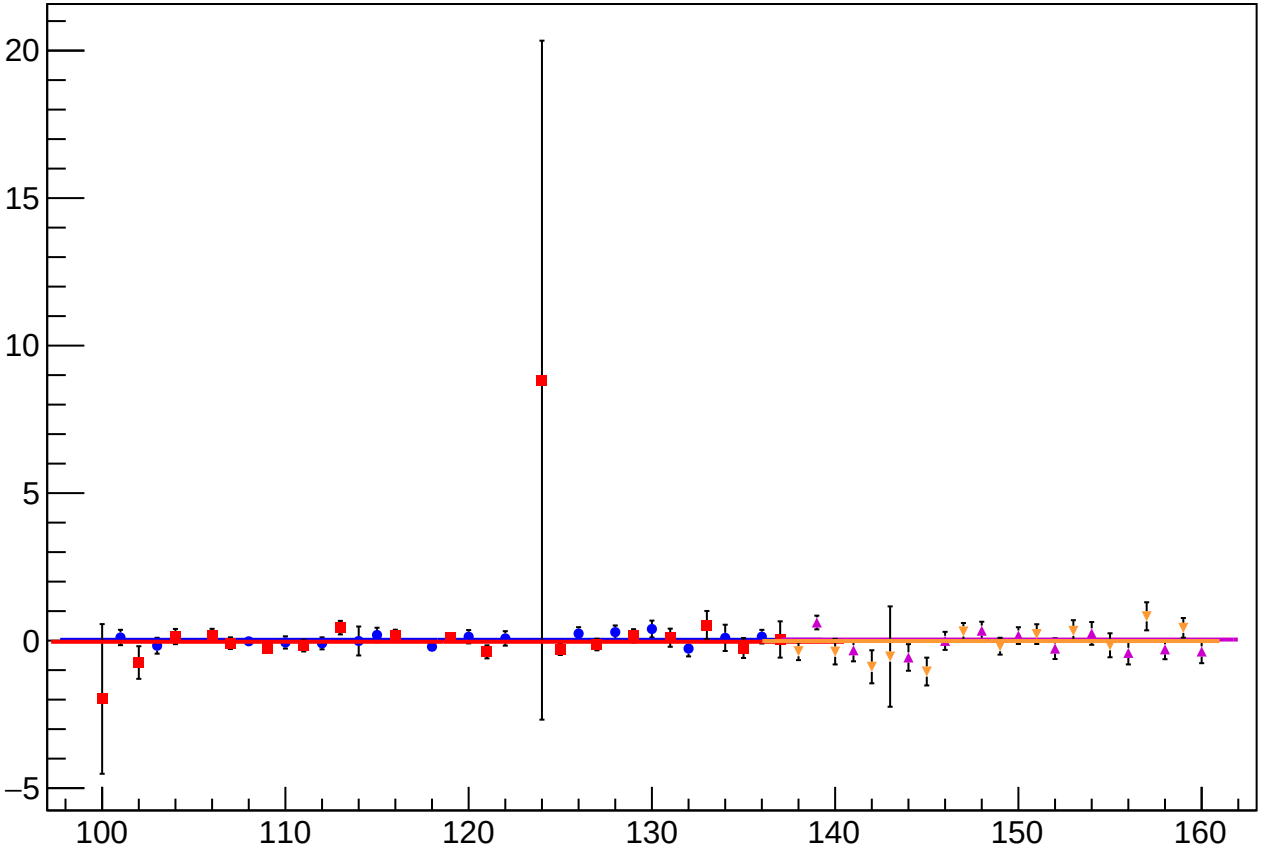
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7536661.1/26

Out: 0.006+/-0.000 χ^2/NDF:6791864.3/30

All: 0.006+/-0.000 χ^2/NDF: 14467851.6/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

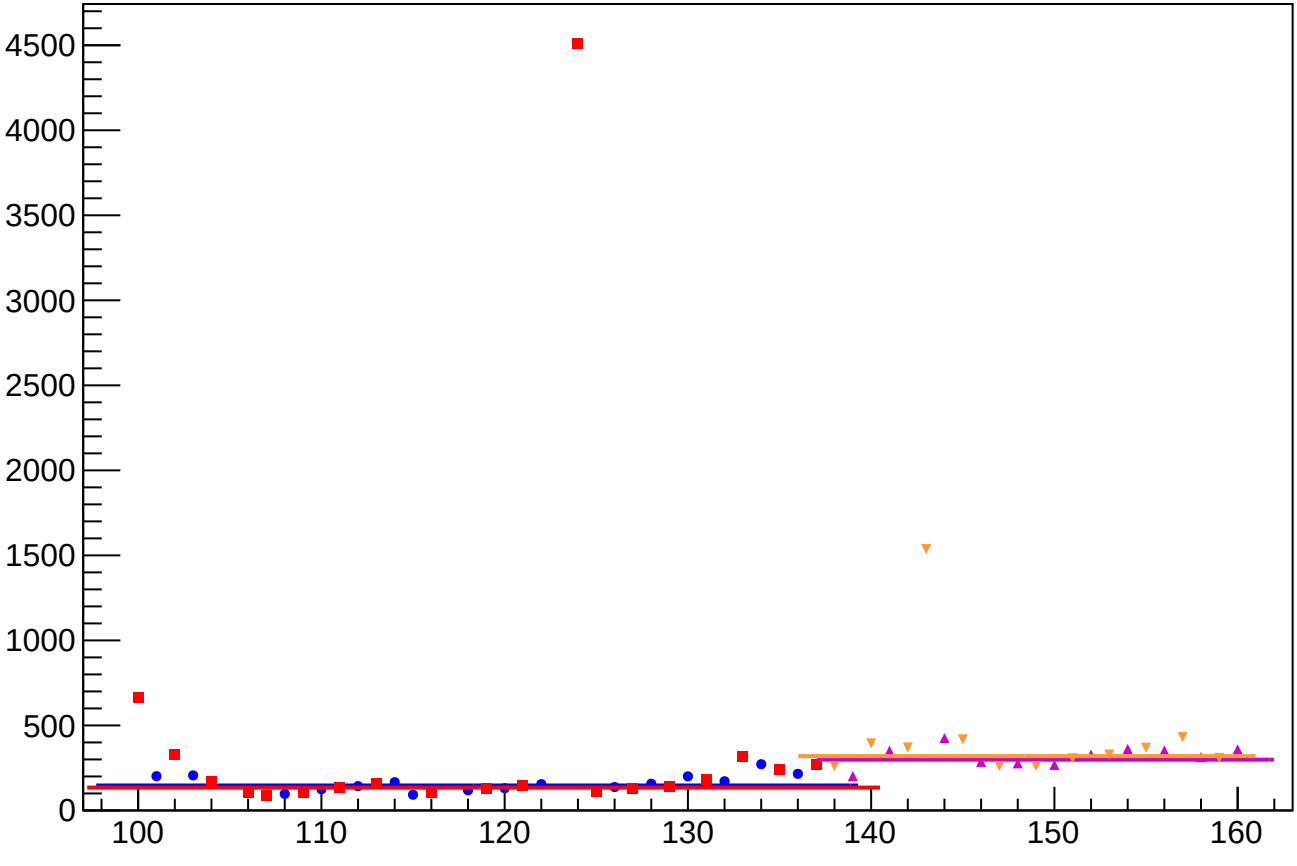
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 308.269+/-0.052 χ^2/NDF: 2346867.5/22

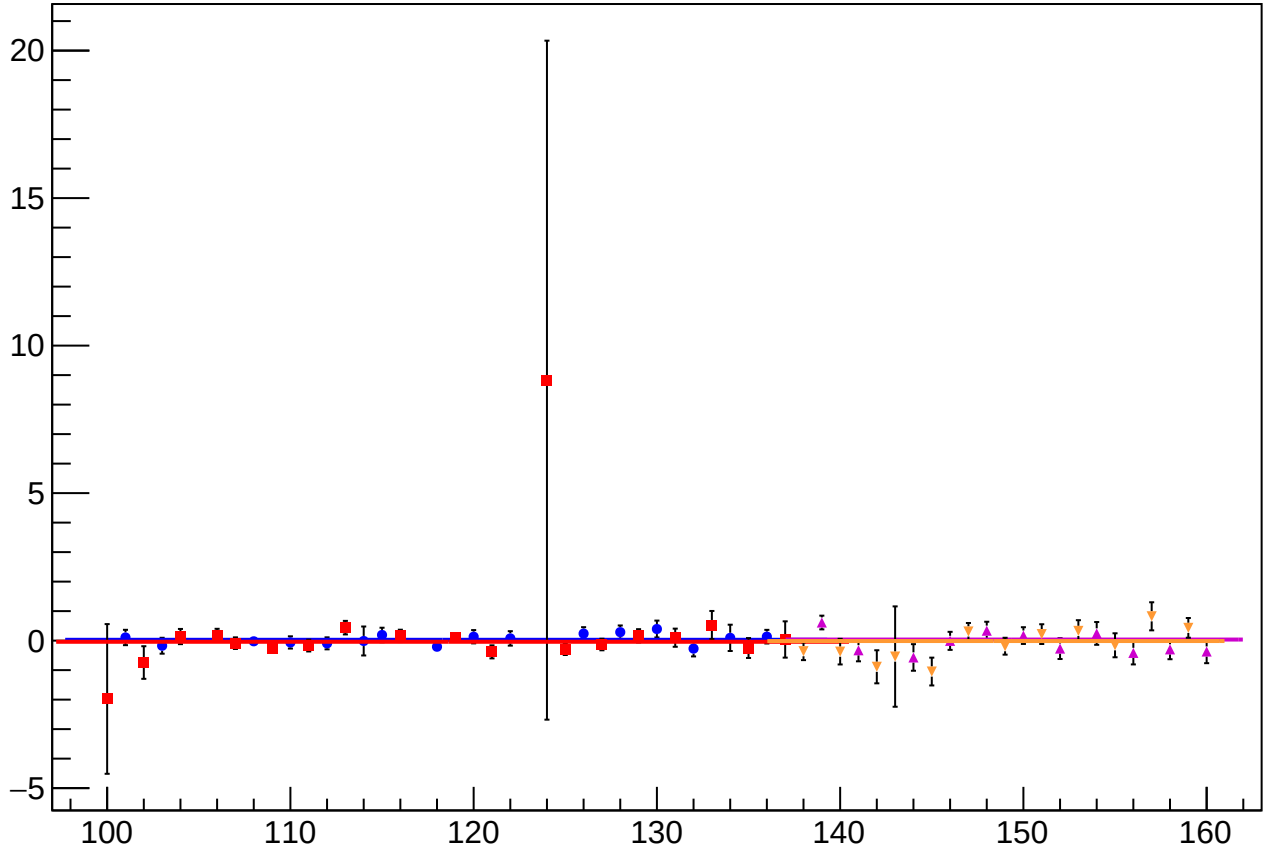
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

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: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.013+/-0.073 χ^2/NDF: 32.0/22

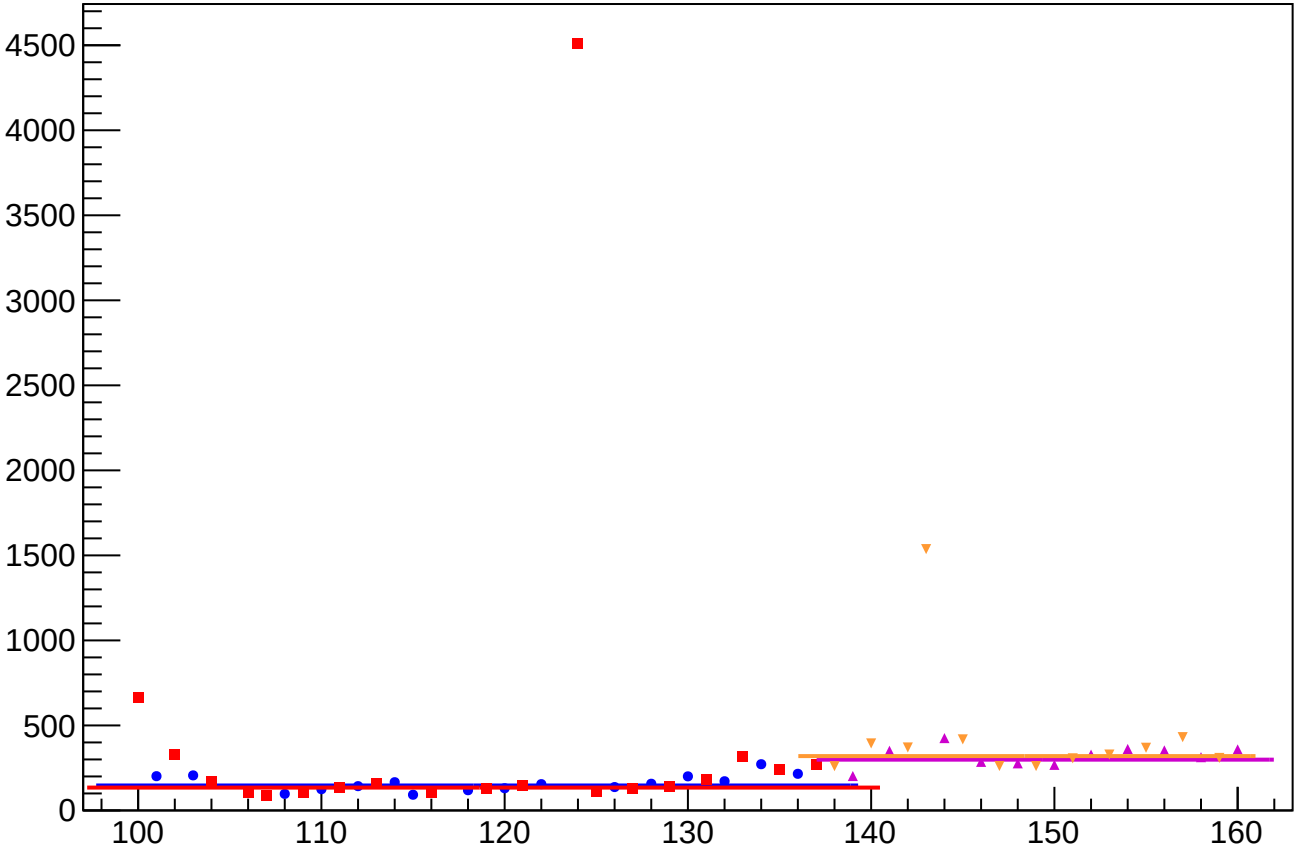
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.034+/-0.049 χ^2/NDF:37.4/30

All: -0.003+/-0.035 χ^2/NDF: 62.2/57

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: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 308.269+/-0.052 χ^2/NDF: 2346867.5/22

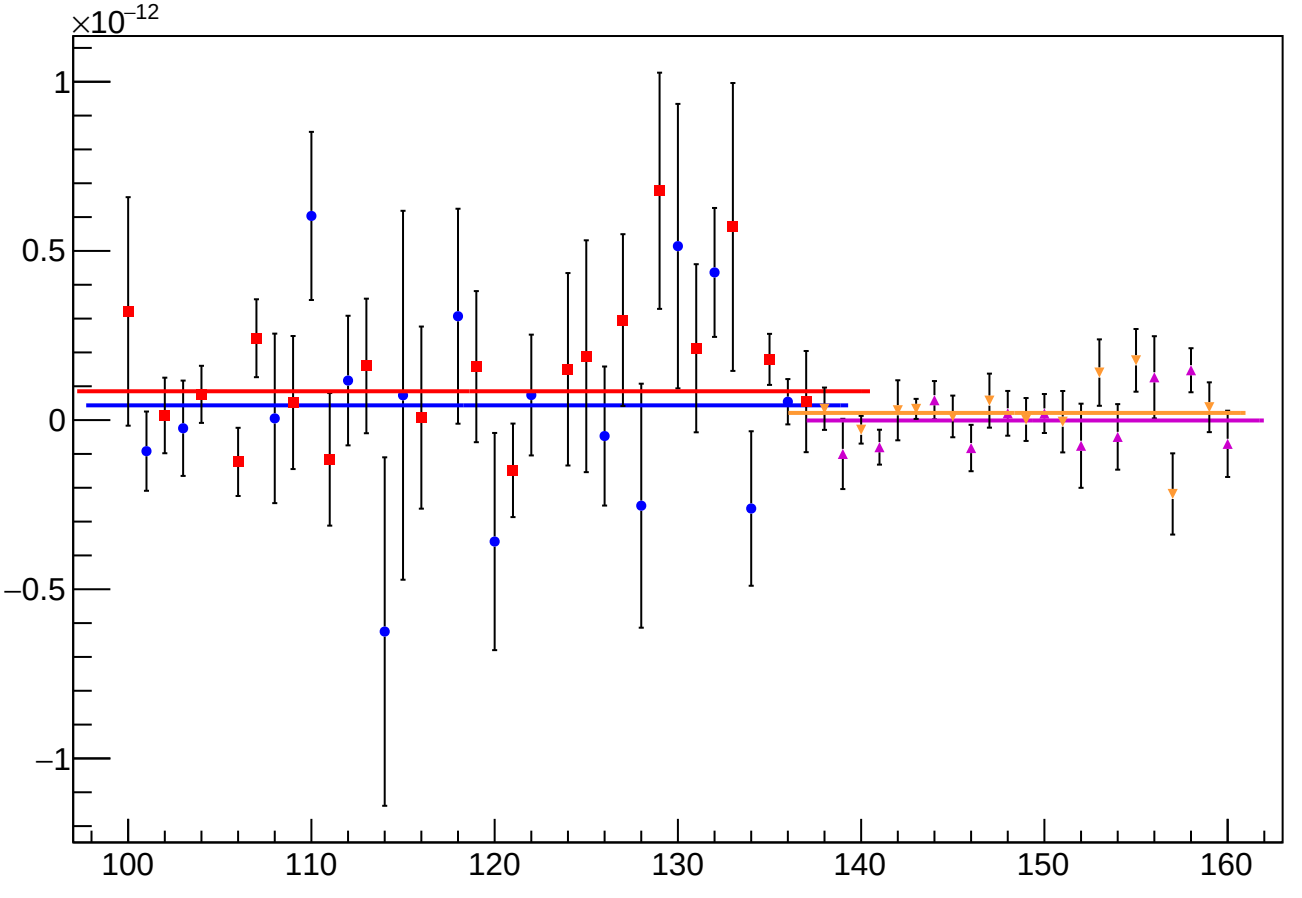
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 171.949+/-0.035 χ^2/NDF:7800708.5/30

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

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:13.4/10

Left: 0.000+/-0.000 χ^2/NDF: 24.5/22

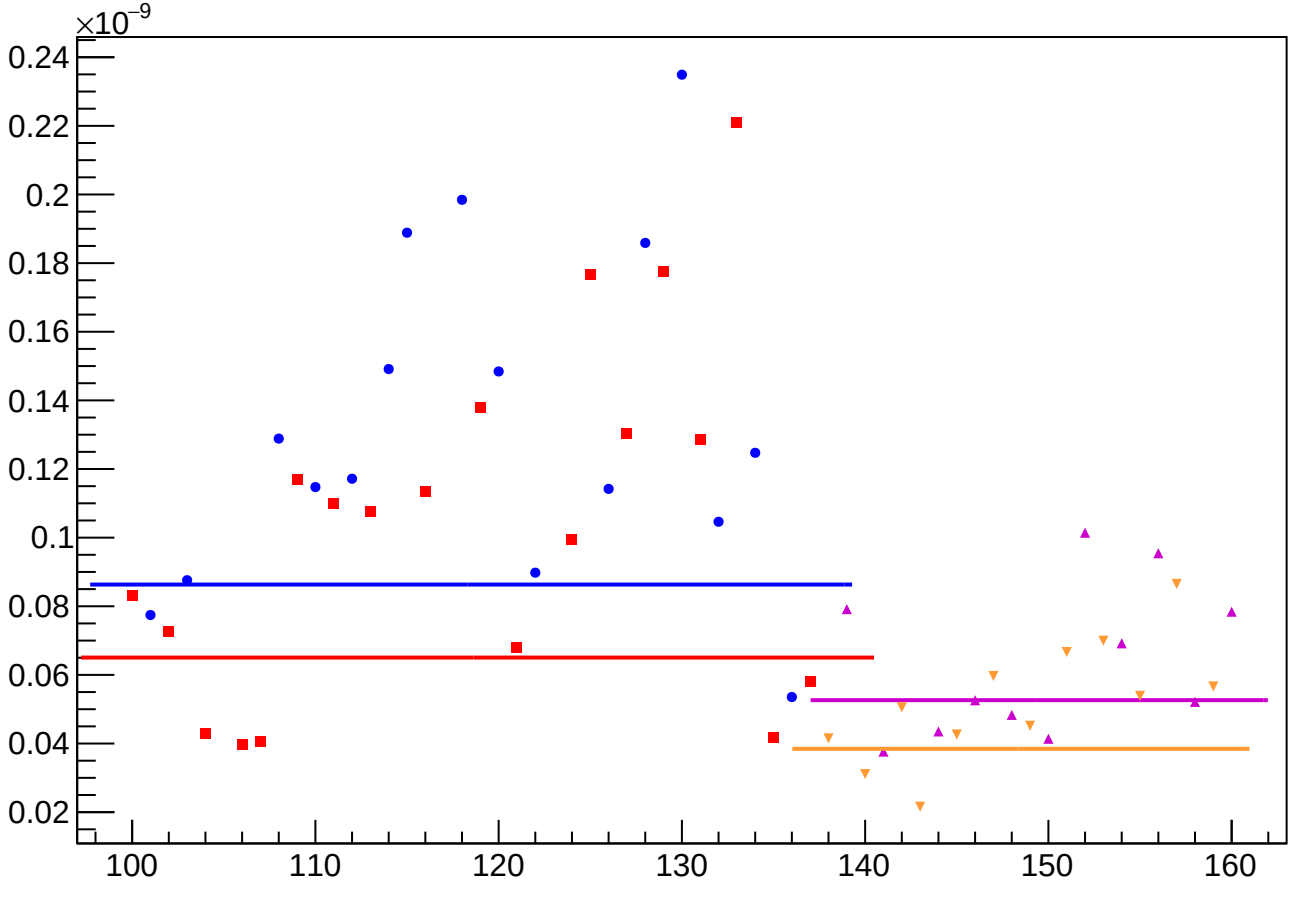
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:31.4/30

All: 0.000+/-0.000 χ^2/NDF: 65.8/57

asym_atl1r2_dd_atl2r1_dd_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:1189787.2/10

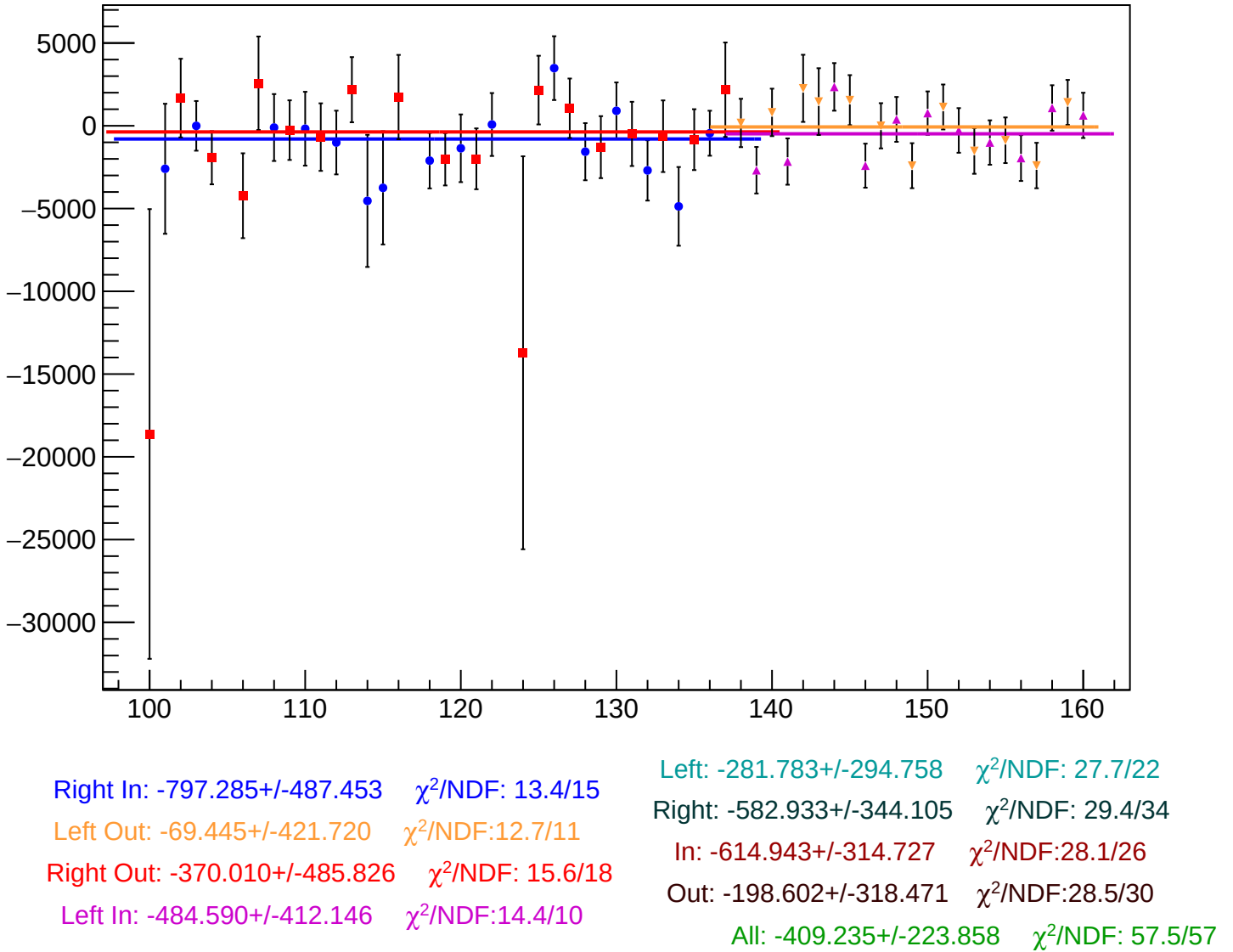
Left: 0.000+/-0.000 χ^2/NDF: 3536384.9/22

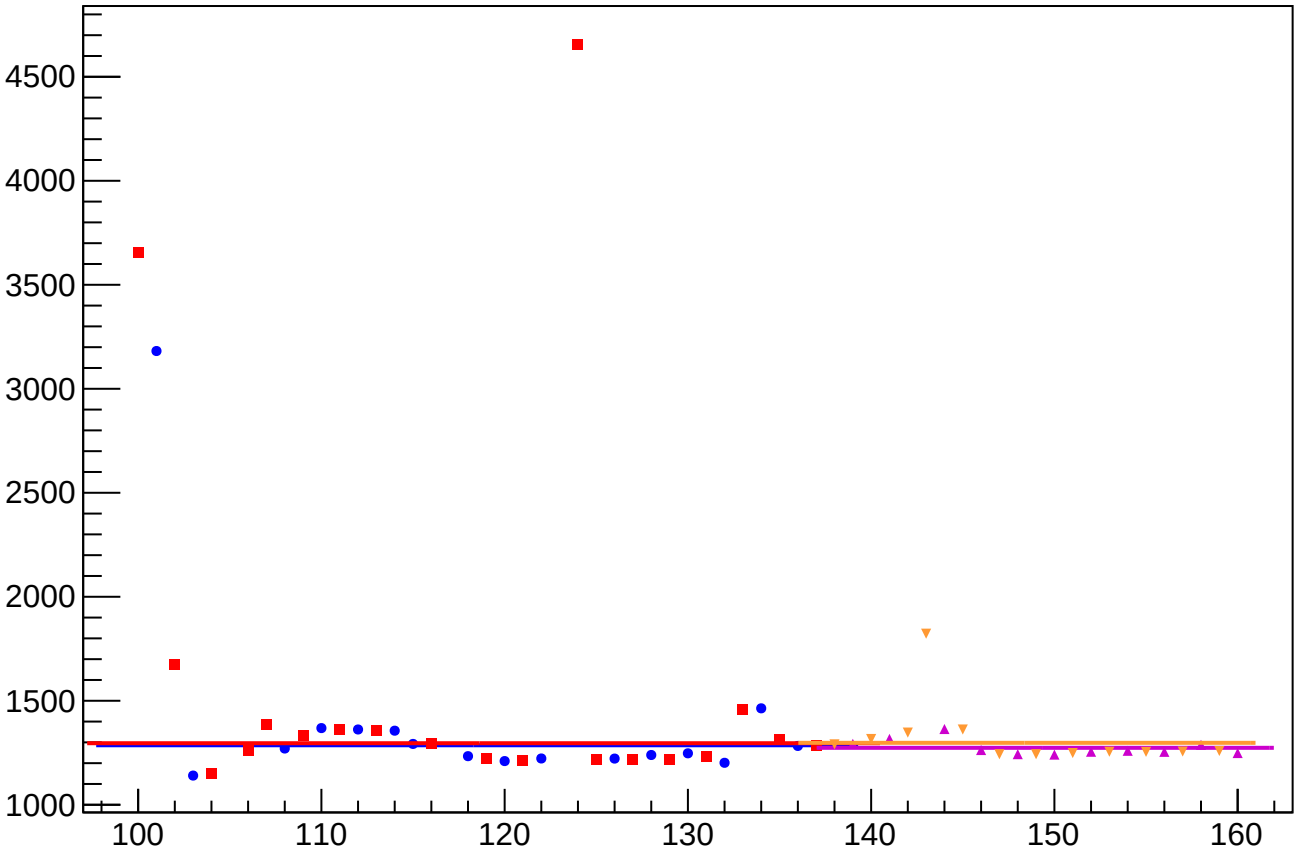
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3741570.3/26

Out: 0.000+/-0.000 χ^2/NDF:4947923.5/30

All: 0.000+/-0.000 χ^2/NDF: 9501466.3/57


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: -484.590+/-412.146 χ²/NDF:14.4/10
Left: -281.783+/-294.758 χ²/NDF: 27.7/22
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -614.943+/-314.727 χ²/NDF:28.1/26
Out: -198.602+/-318.471 χ²/NDF:28.5/30
All: -409.235+/-223.858 χ²/NDF: 57.5/57



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: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1285.529+/-0.208 χ^2/NDF: 174712.4/22

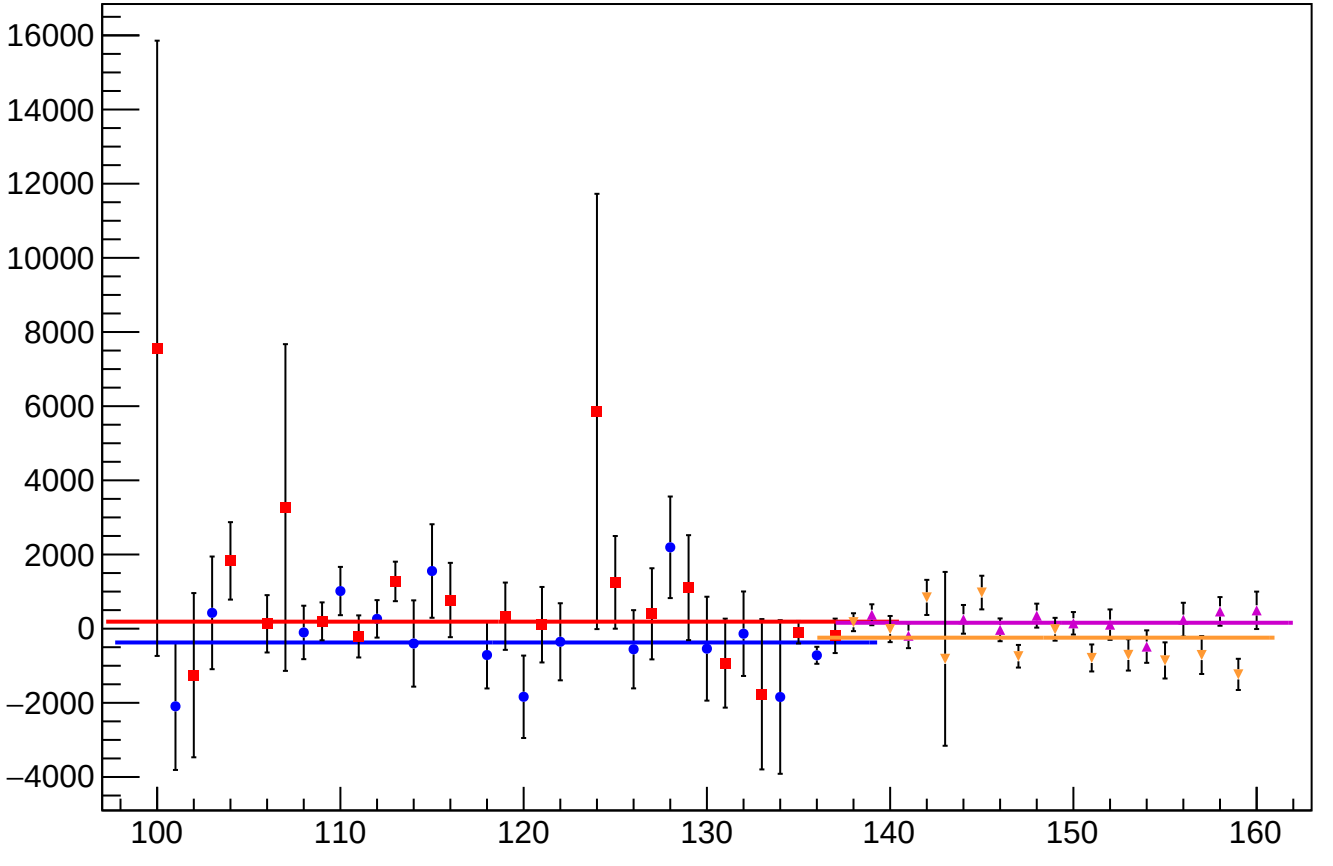
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1278.922+/-0.223 χ^2/NDF:533307.1/26

Out: 1297.012+/-0.225 χ^2/NDF:485042.4/30

All: 1287.860+/-0.158 χ^2/NDF: 1021614.1/57

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: 159.231+/-108.014 χ^2/NDF:5.7/10

Left: -38.397+/-77.033 χ^2/NDF: 43.1/22

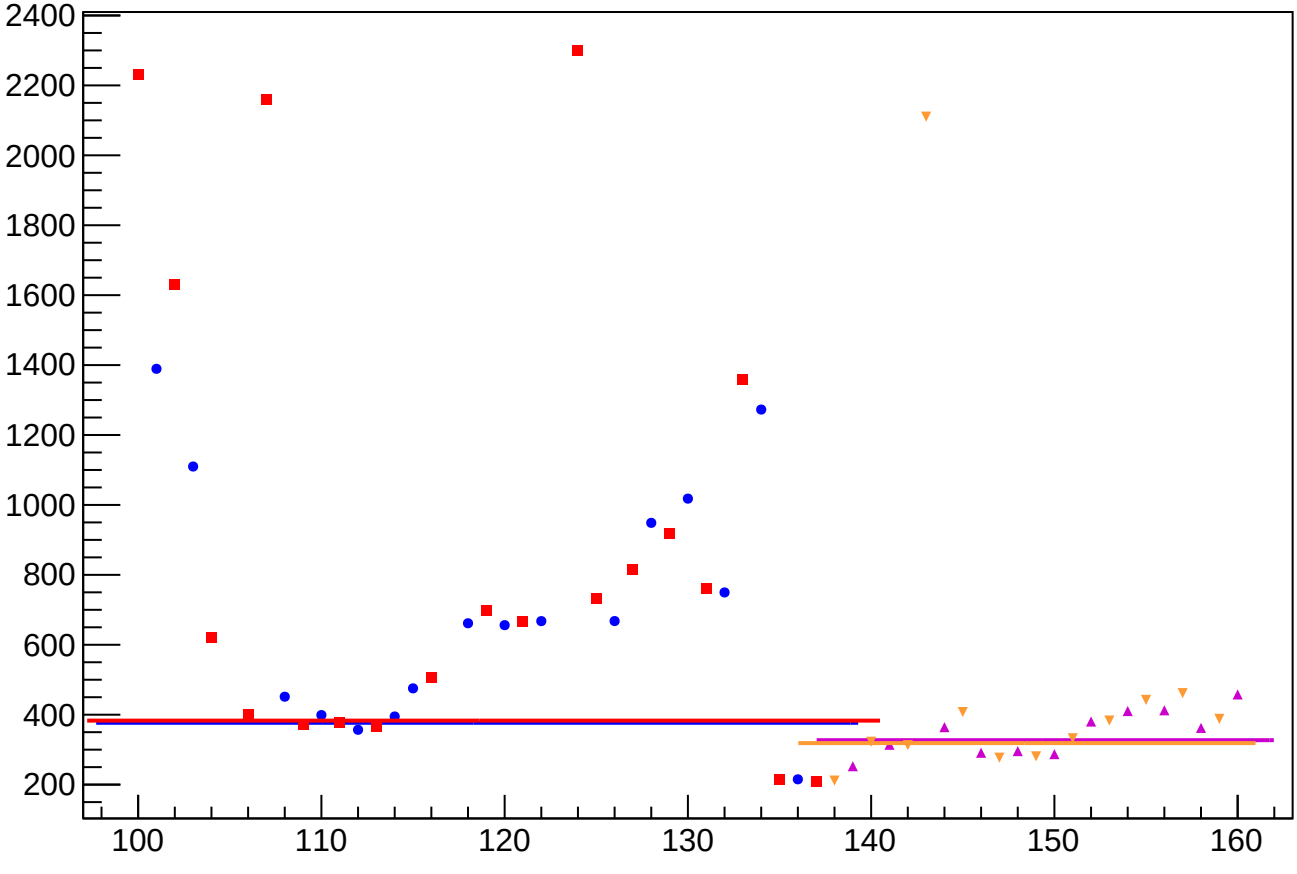
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 4.032+/-90.888 χ^2/NDF:31.0/26

Out: -115.221+/-92.221 χ^2/NDF:49.8/30

All: -54.726+/-64.734 χ^2/NDF: 81.6/57

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: 327.083+/-0.076 χ^2/NDF:568812.3/10

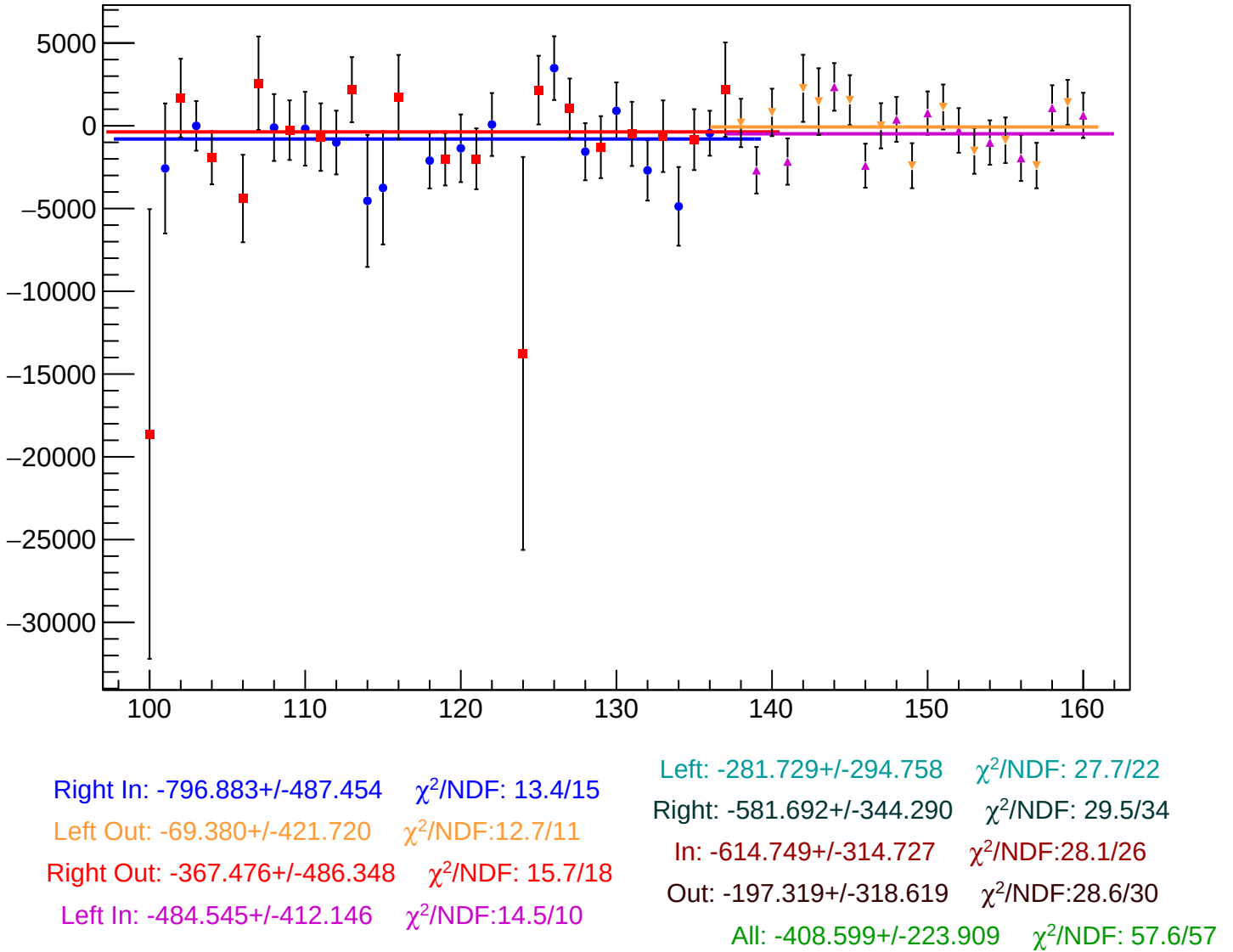
Left: 322.991+/-0.054 χ^2/NDF: 2670976.7/22

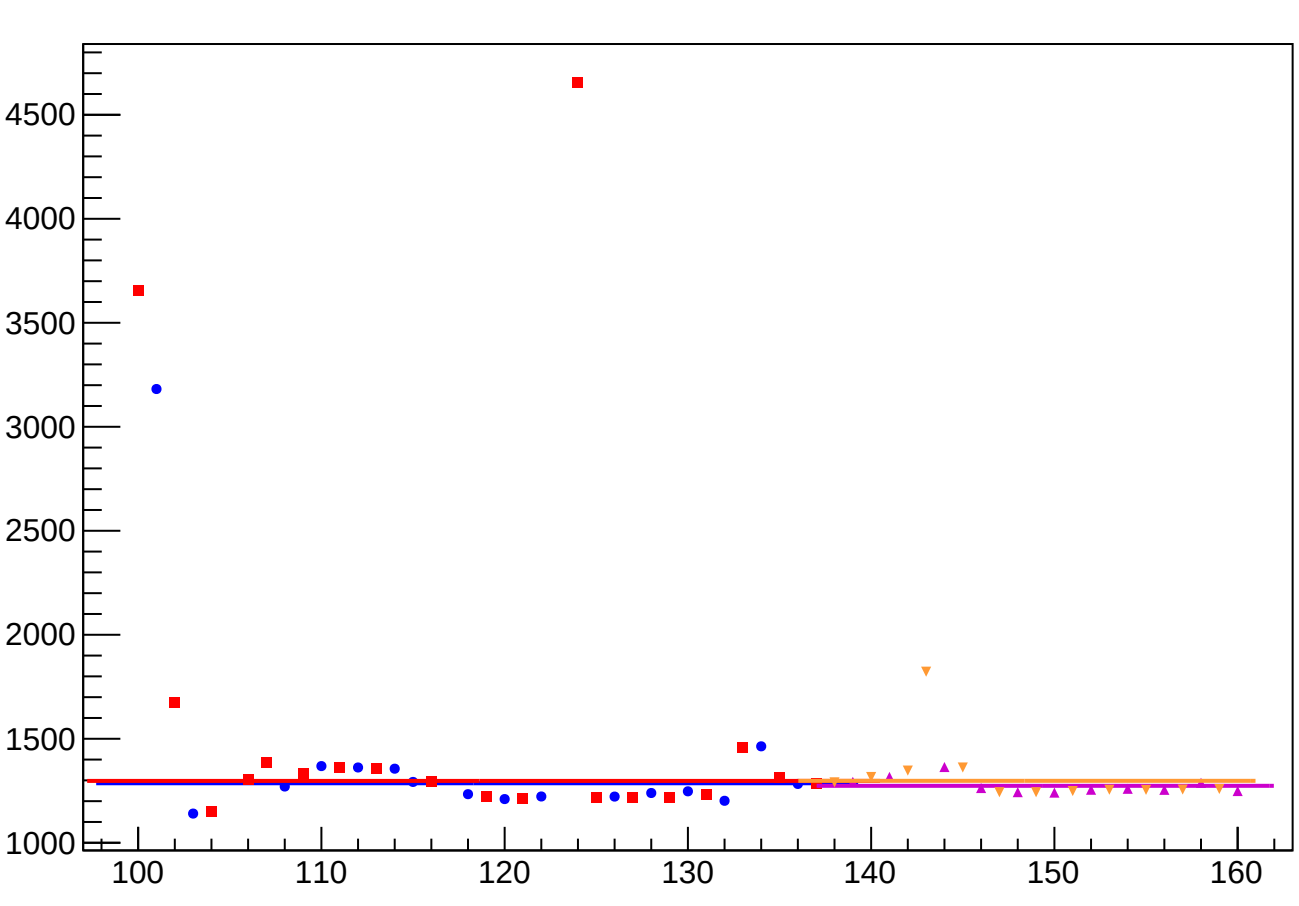
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 341.626+/-0.064 χ^2/NDF:4883182.4/26

Out: 337.777+/-0.065 χ^2/NDF:6353075.0/30

All: 339.730+/-0.046 χ^2/NDF: 11238024.3/57


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: -484.545+/-412.146 χ²/NDF:14.5/10
Left: -281.729+/-294.758 χ²/NDF: 27.7/22
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -614.749+/-314.727 χ²/NDF:28.1/26
Out: -197.319+/-318.619 χ²/NDF:28.6/30
All: -408.599+/-223.909 χ²/NDF: 57.6/57



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: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1285.529+/-0.208 χ^2/NDF: 174712.4/22

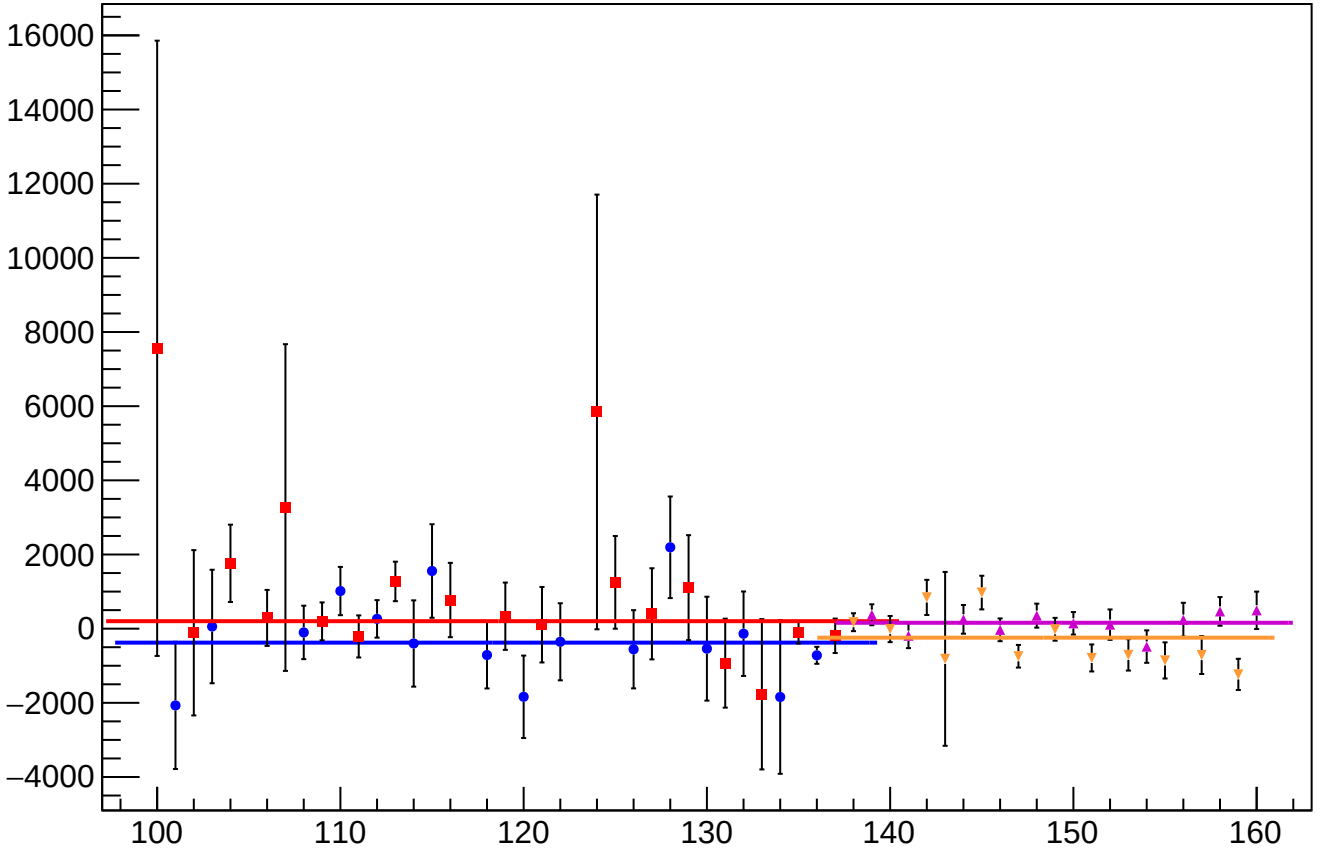
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

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: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -38.385+/-77.034 χ^2/NDF: 43.1/22

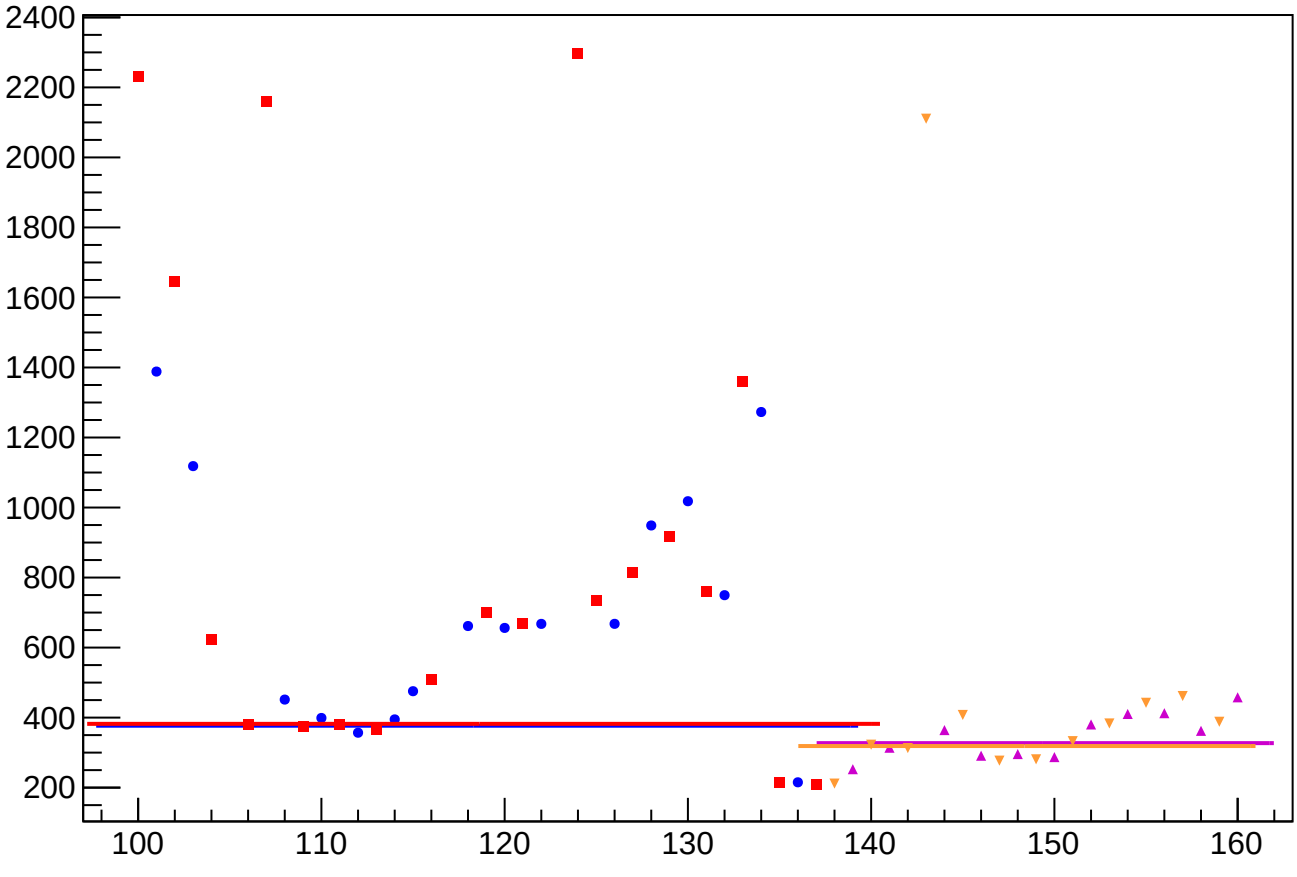
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -53.355+/-64.724 χ^2/NDF: 81.1/57

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: 327.082+/-0.076 χ^2/NDF:568907.4/10

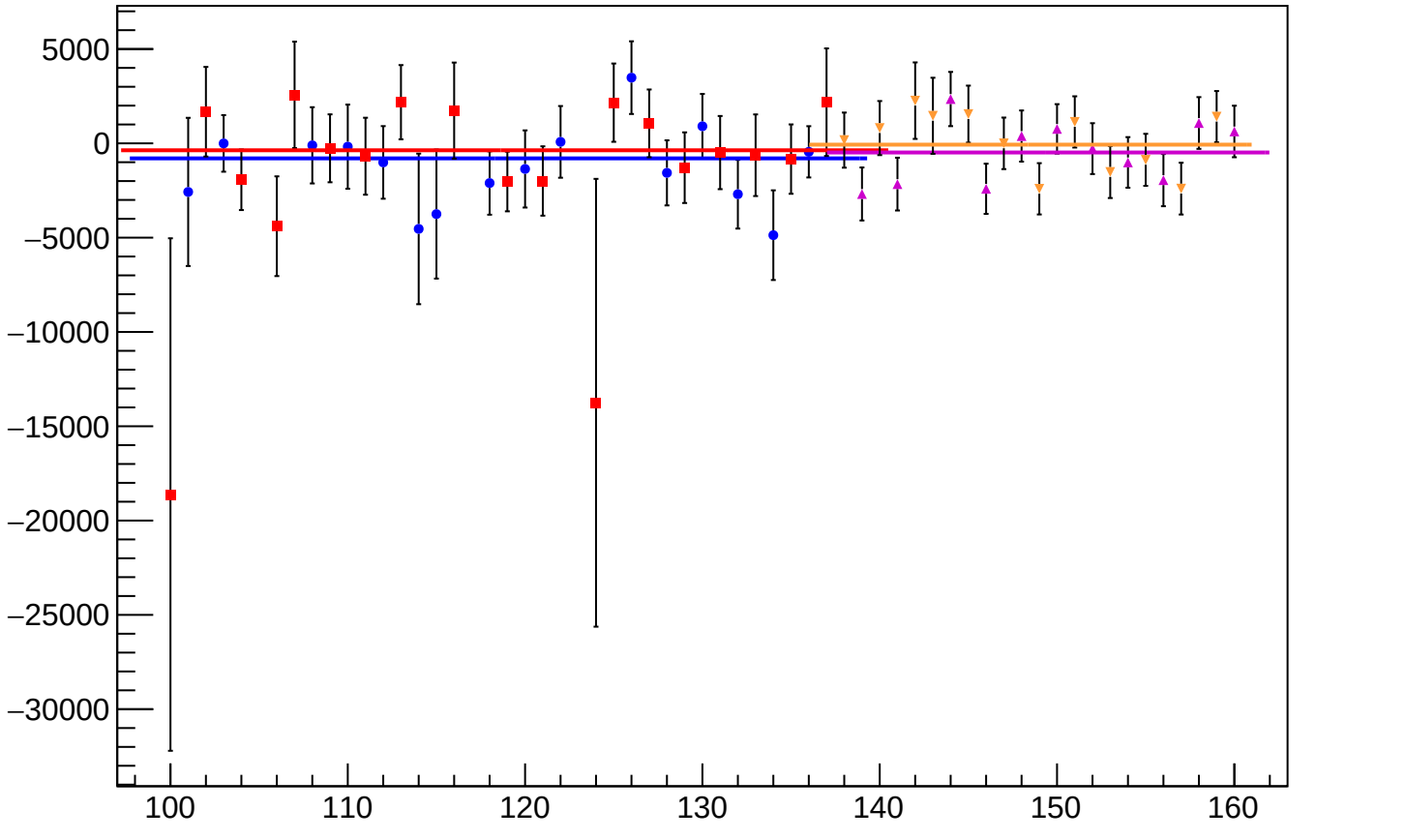
Left: 322.995+/-0.054 χ^2/NDF: 2670967.9/22

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -69.380+/-421.720 χ^2/NDF:12.7/11

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -484.545+/-412.146 χ^2/NDF:14.5/10

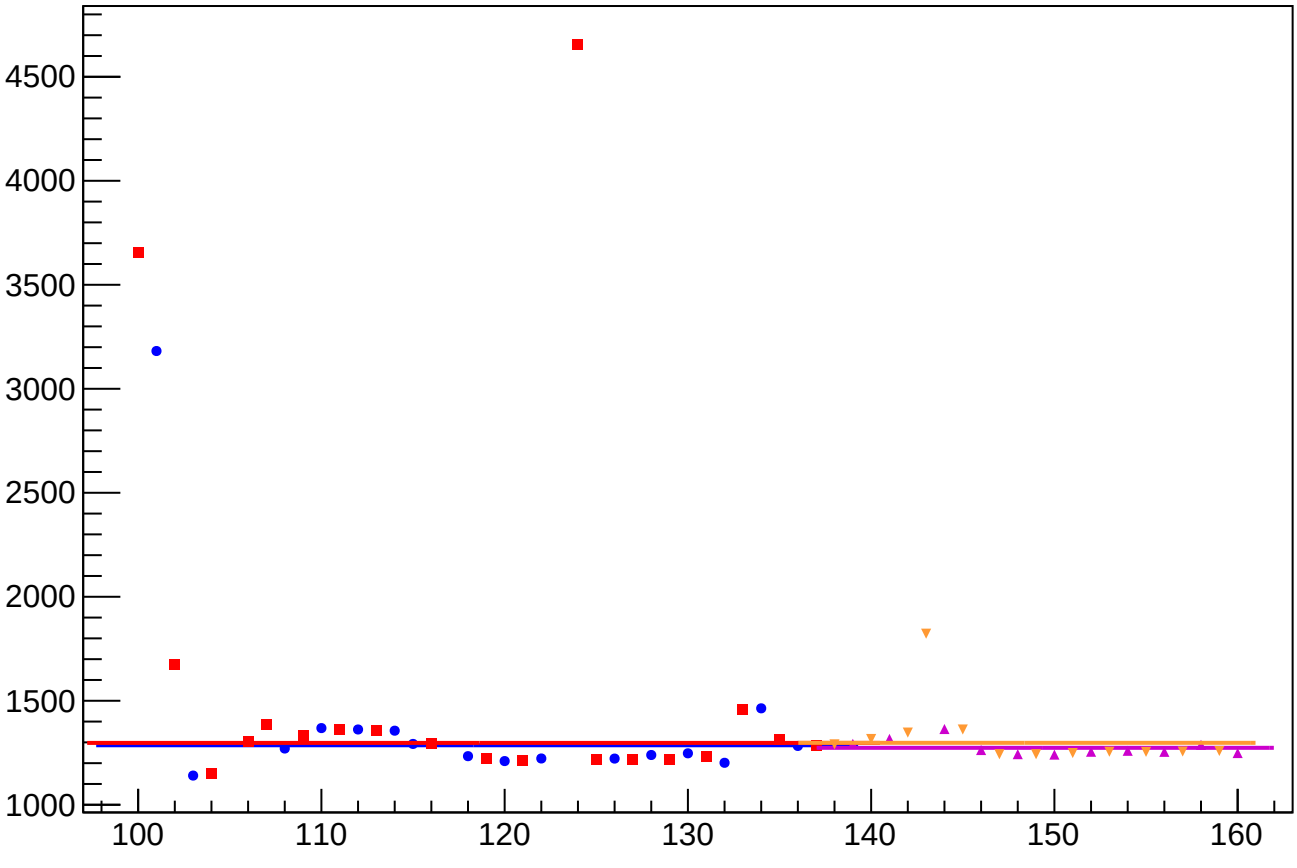
Left: -281.729+/-294.758 χ^2/NDF: 27.7/22

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -614.749+/-314.727 χ^2/NDF:28.1/26

Out: -197.319+/-318.619 χ^2/NDF:28.6/30

All: -408.599+/-223.909 χ^2/NDF: 57.6/57



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: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1285.529+/-0.208 χ^2/NDF: 174712.4/22

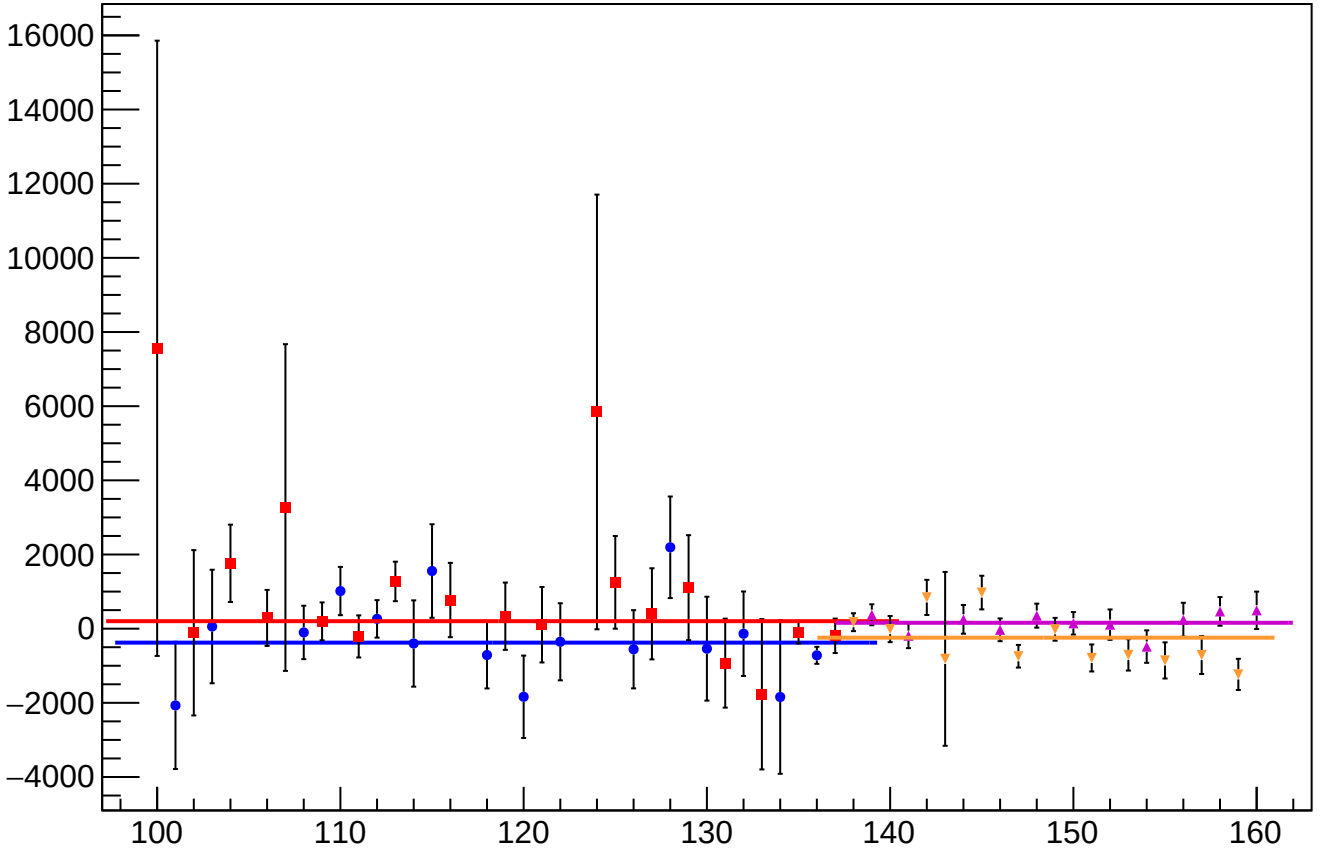
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1297.636+/-0.225 χ^2/NDF:484698.1/30

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

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: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -38.385+/-77.034 χ^2/NDF: 43.1/22

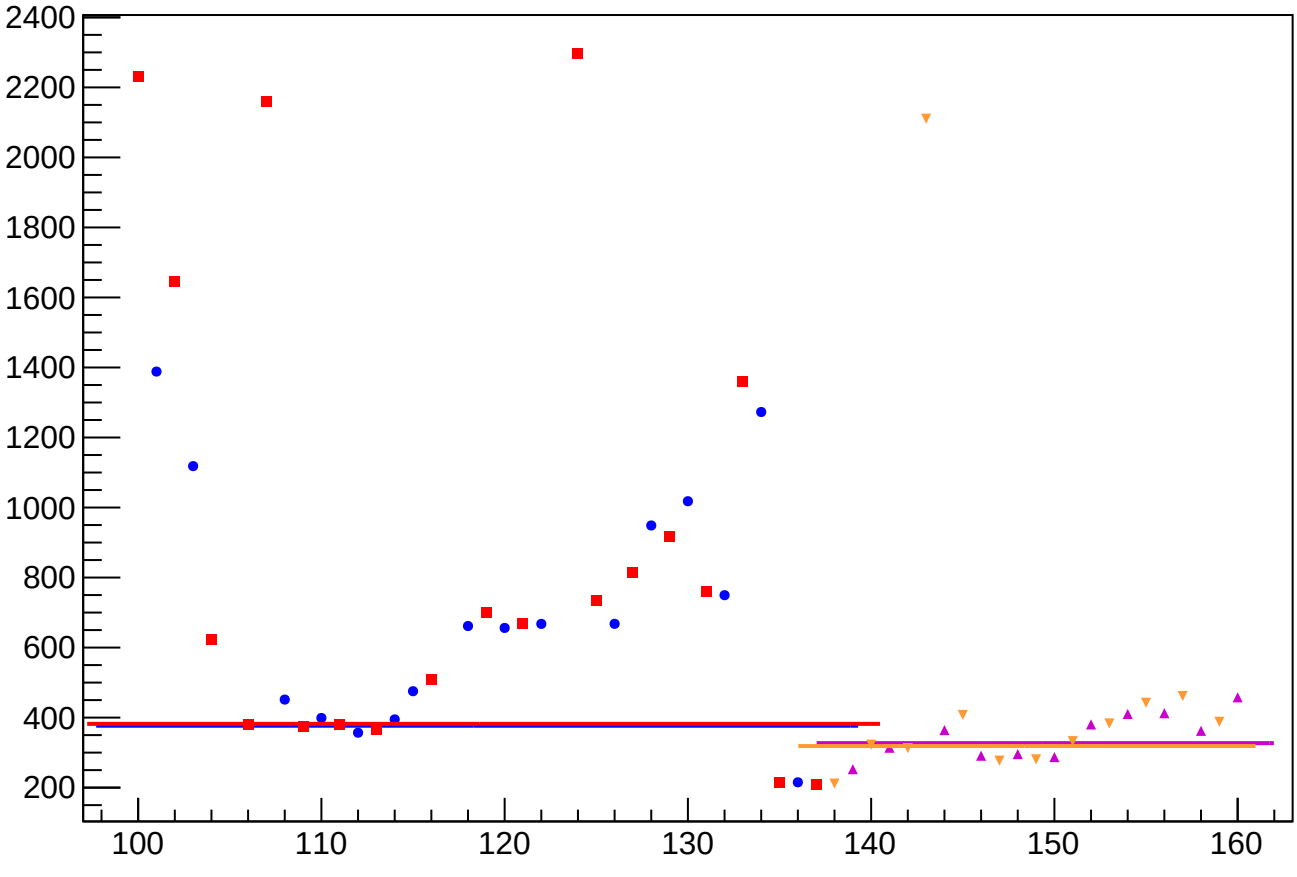
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -111.106+/-92.191 χ^2/NDF:49.5/30

All: -53.355+/-64.724 χ^2/NDF: 81.1/57

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: 327.082+/-0.076 χ^2/NDF:568907.4/10

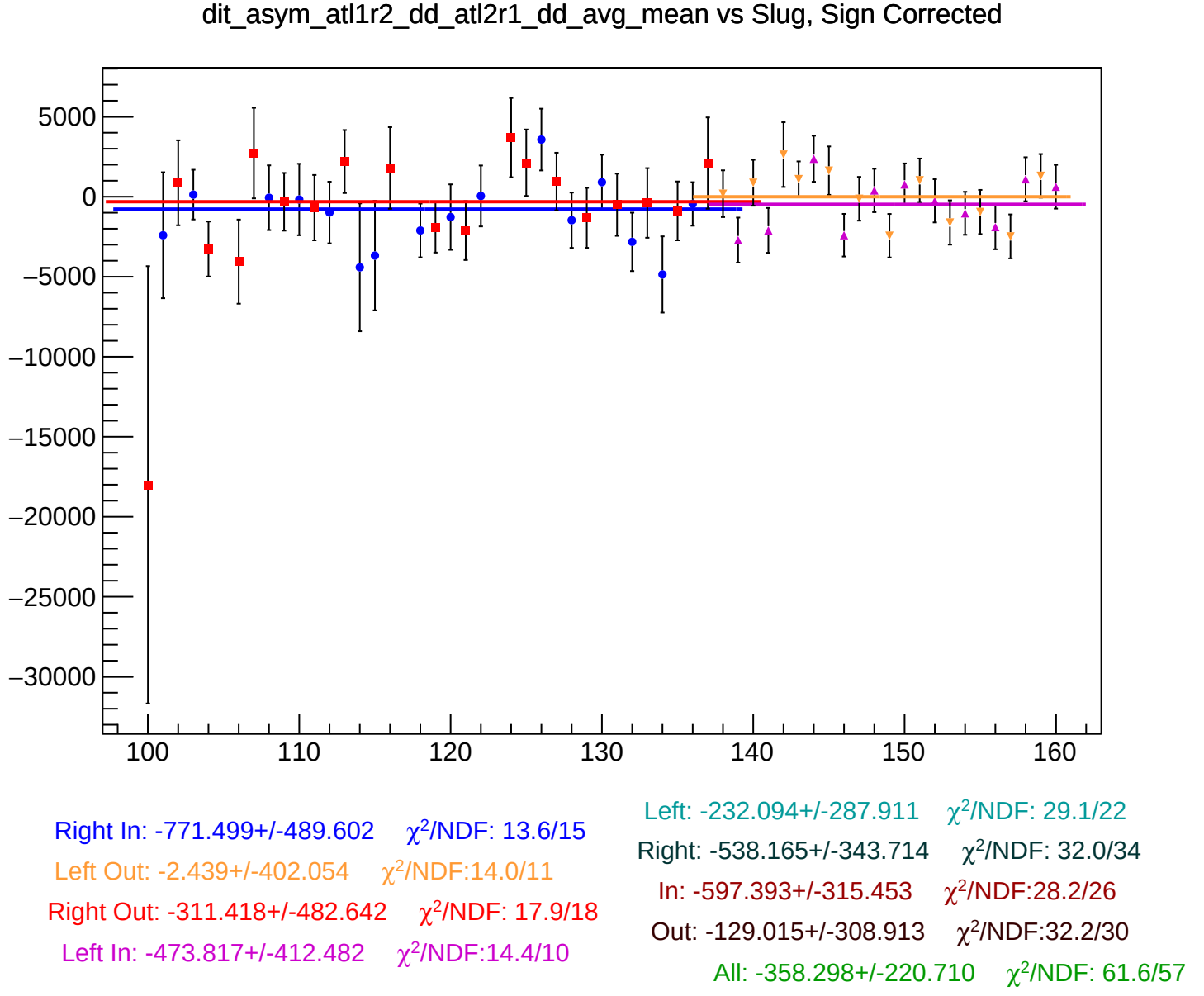
Left: 322.995+/-0.054 χ^2/NDF: 2670967.9/22

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 337.538+/-0.065 χ^2/NDF:6352860.2/30

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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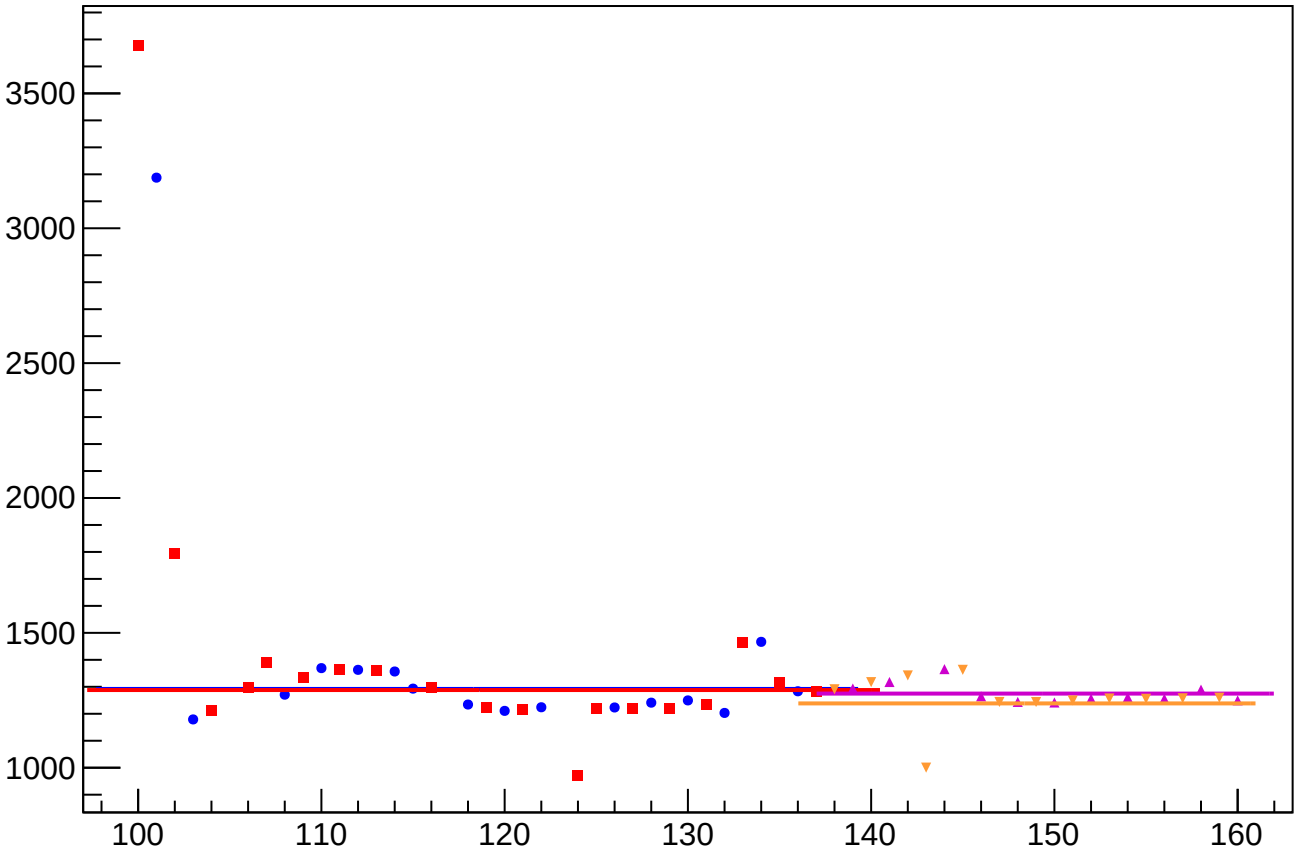
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -2.439+/-402.054 χ²/NDF:14.0/11
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -473.817+/-412.482 χ²/NDF:14.4/10
Left: -232.094+/-287.911 χ²/NDF: 29.1/22
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -597.393+/-315.453 χ²/NDF:28.2/26
Out: -129.015+/-308.913 χ²/NDF:32.2/30
All: -358.298+/-220.710 χ²/NDF: 61.6/57



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: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1256.153+/-0.204 χ^2/NDF: 144143.5/22

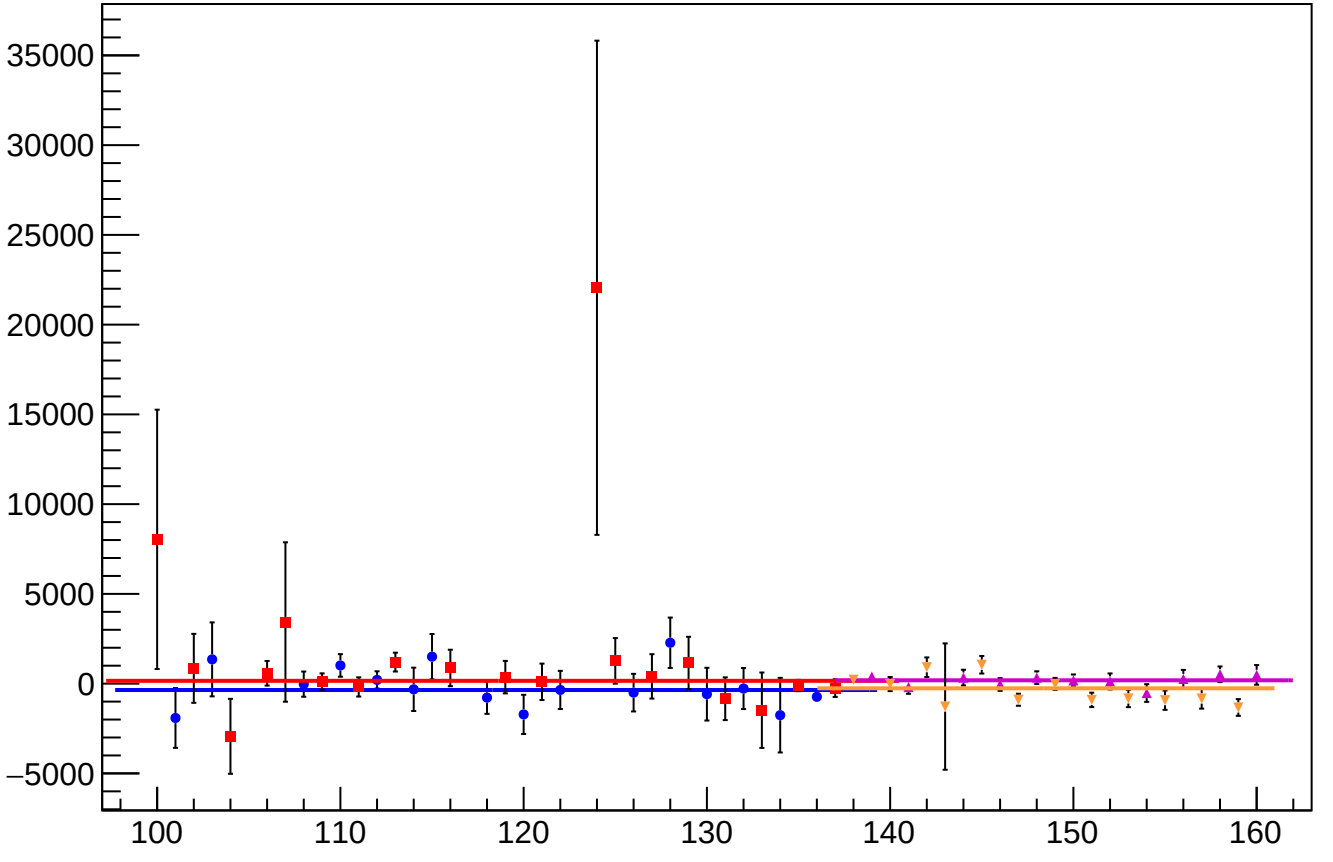
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.722+/-0.218 χ^2/NDF:343313.7/30

All: 1270.103+/-0.156 χ^2/NDF: 874214.8/57

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: 186.432+/-117.842 χ^2/NDF:5.3/10

Left: -34.280+/-83.772 χ^2/NDF: 44.4/22

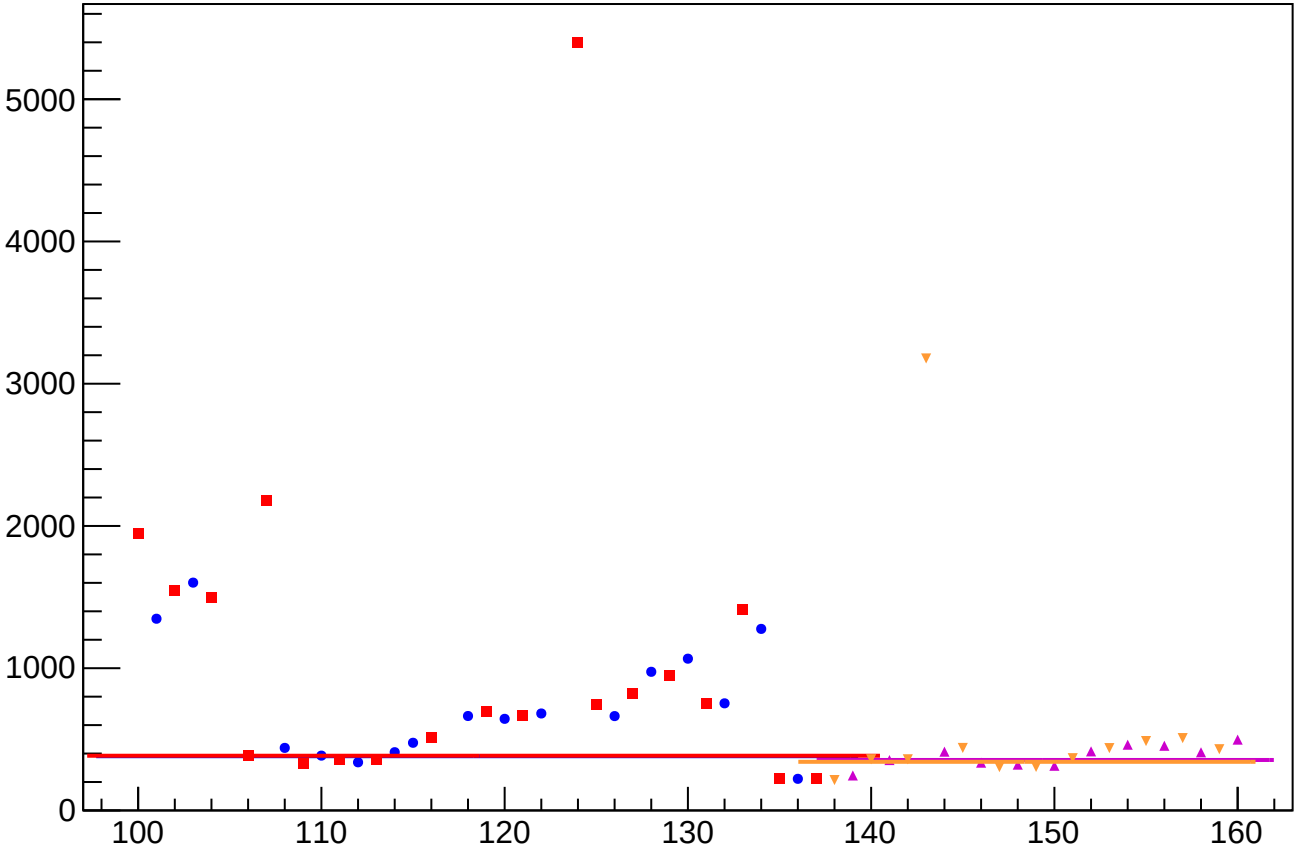
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 10.591+/-96.844 χ^2/NDF:30.6/26

Out: -121.871+/-97.486 χ^2/NDF:51.9/30

All: -55.202+/-68.705 χ^2/NDF: 83.5/57

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: 354.877+/-0.083 χ^2/NDF:775905.4/10

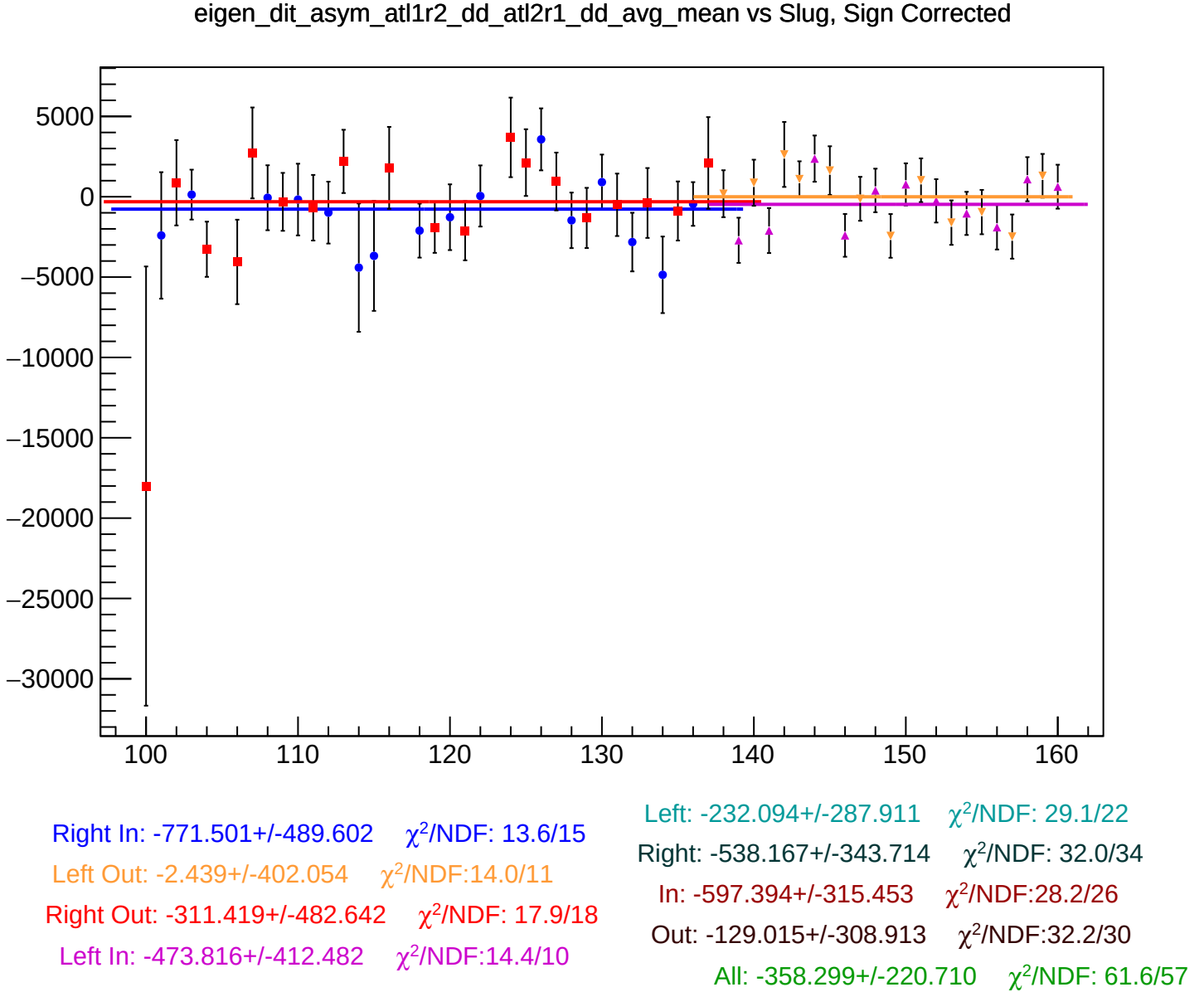
Left: 348.518+/-0.059 χ^2/NDF: 3257119.9/22

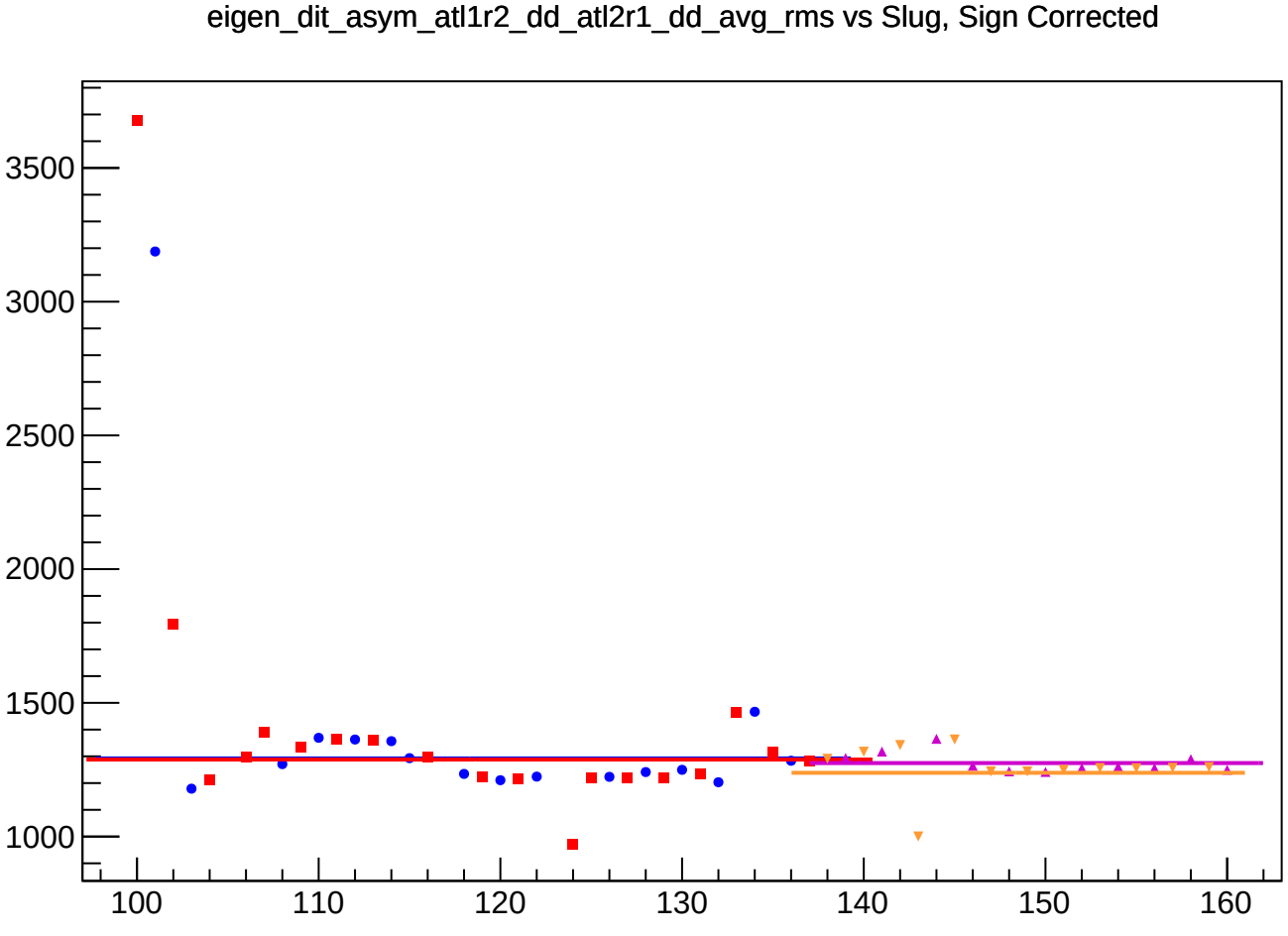
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 363.471+/-0.068 χ^2/NDF:5126592.3/26

Out: 356.096+/-0.069 χ^2/NDF:7114223.4/30

All: 359.808+/-0.049 χ^2/NDF: 12246576.8/57


eigen_dit_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: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -2.439+/-402.054 χ²/NDF:14.0/11
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -473.816+/-412.482 χ²/NDF:14.4/10
Left: -232.094+/-287.911 χ²/NDF: 29.1/22
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -597.394+/-315.453 χ²/NDF:28.2/26
Out: -129.015+/-308.913 χ²/NDF:32.2/30
All: -358.299+/-220.710 χ²/NDF: 61.6/57



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: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1256.153+/-0.204 χ^2/NDF: 144142.7/22

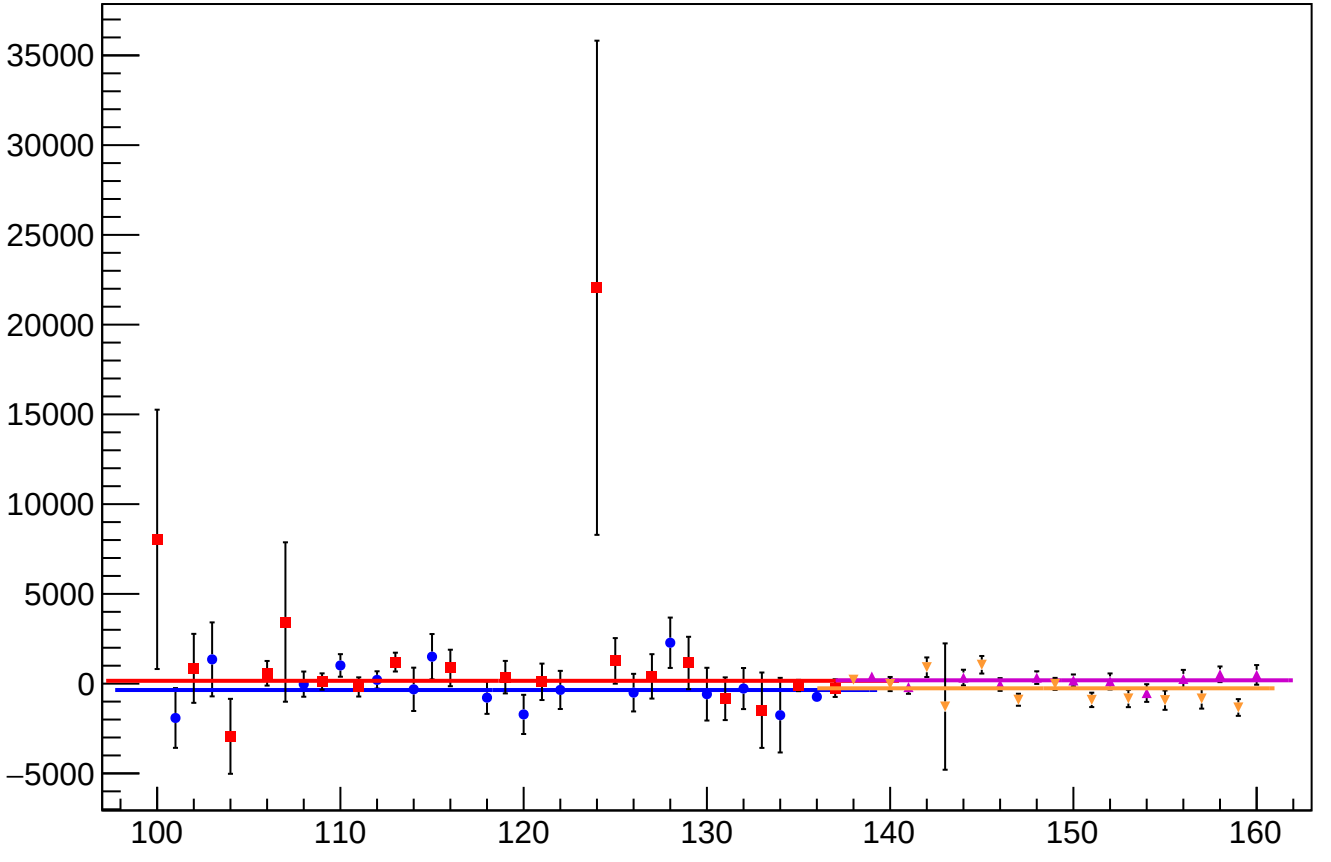
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.722+/-0.218 χ^2/NDF:343313.1/30

All: 1270.103+/-0.156 χ^2/NDF: 874214.1/57

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: 186.432+/-117.844 χ^2/NDF:5.3/10

Left: -34.284+/-83.773 χ^2/NDF: 44.4/22

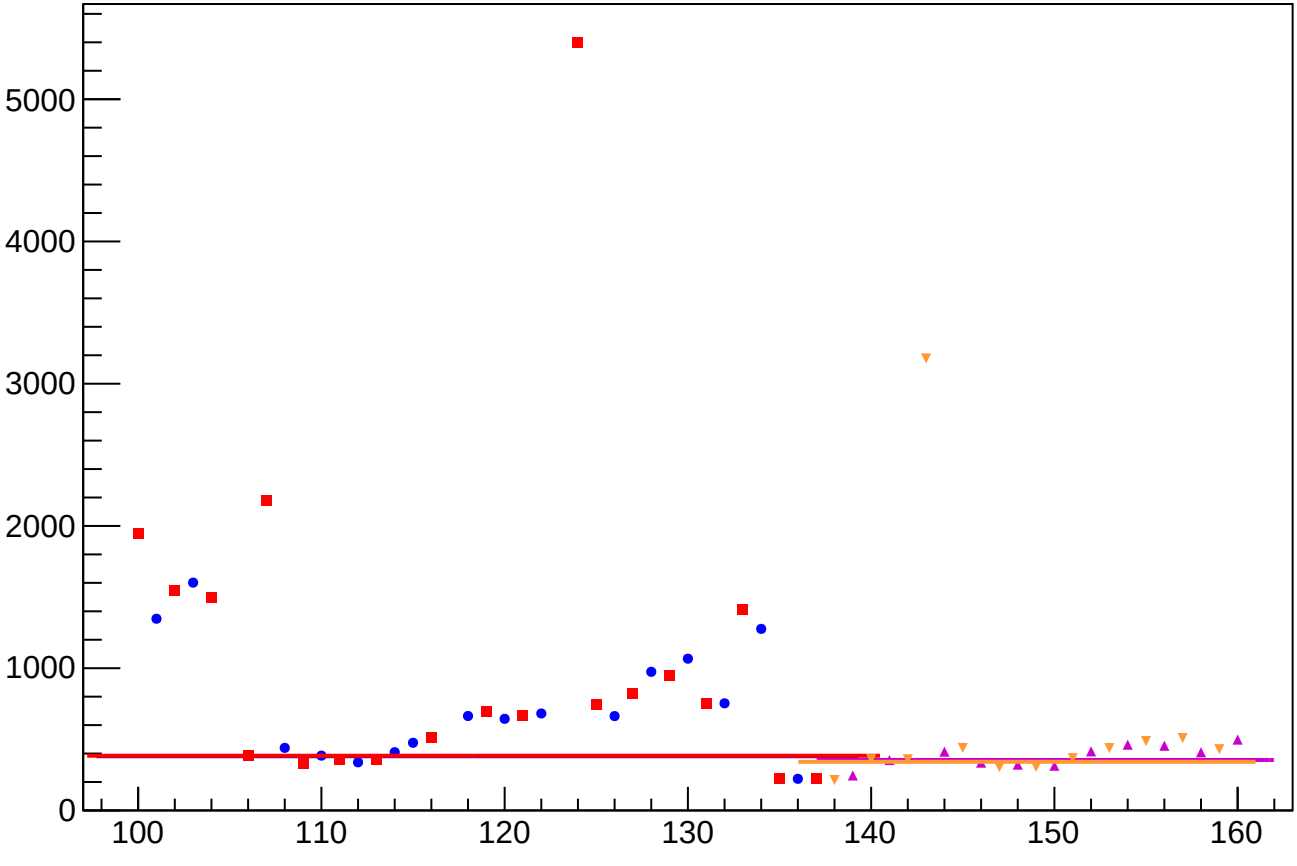
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 10.593+/-96.845 χ^2/NDF:30.6/26

Out: -121.876+/-97.488 χ^2/NDF:51.9/30

All: -55.203+/-68.706 χ^2/NDF: 83.5/57

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: 354.882+/-0.083 χ^2/NDF:775808.4/10

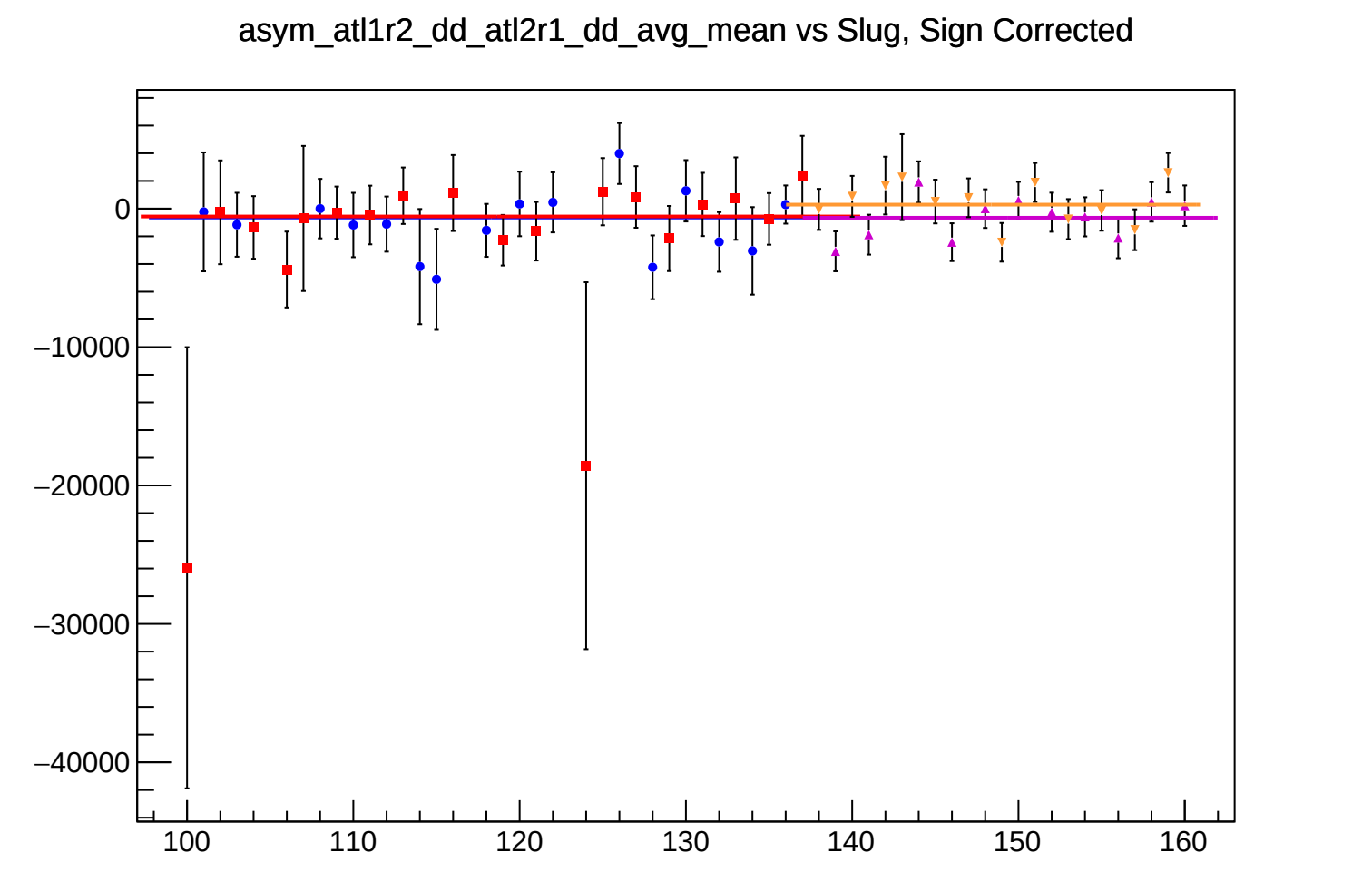
Left: 348.524+/-0.059 χ^2/NDF: 3256857.8/22

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 363.477+/-0.068 χ^2/NDF:5126321.9/26

Out: 356.103+/-0.069 χ^2/NDF:7113923.4/30

All: 359.814+/-0.049 χ^2/NDF: 12246004.8/57



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: -657.388+/-428.345 χ^2/NDF:11.4/10

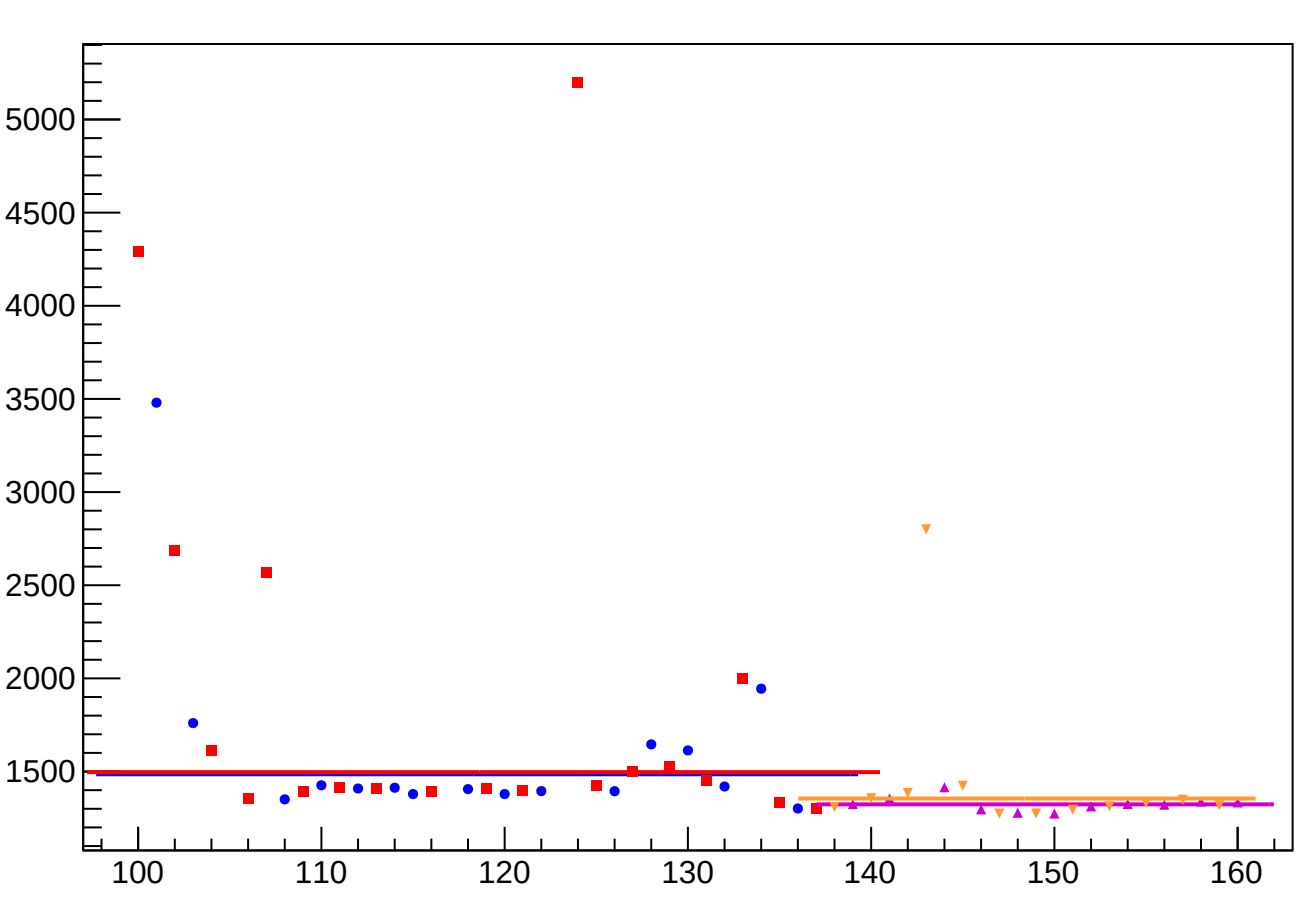
Left: -201.482+/-308.249 χ^2/NDF: 24.8/22

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -651.334+/-341.199 χ^2/NDF:23.9/26

Out: -37.064+/-349.488 χ^2/NDF:23.8/30

All: -351.569+/-244.142 χ^2/NDF: 49.2/57



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: 1323.807+/-0.303 χ^2/NDF:14526.0/10

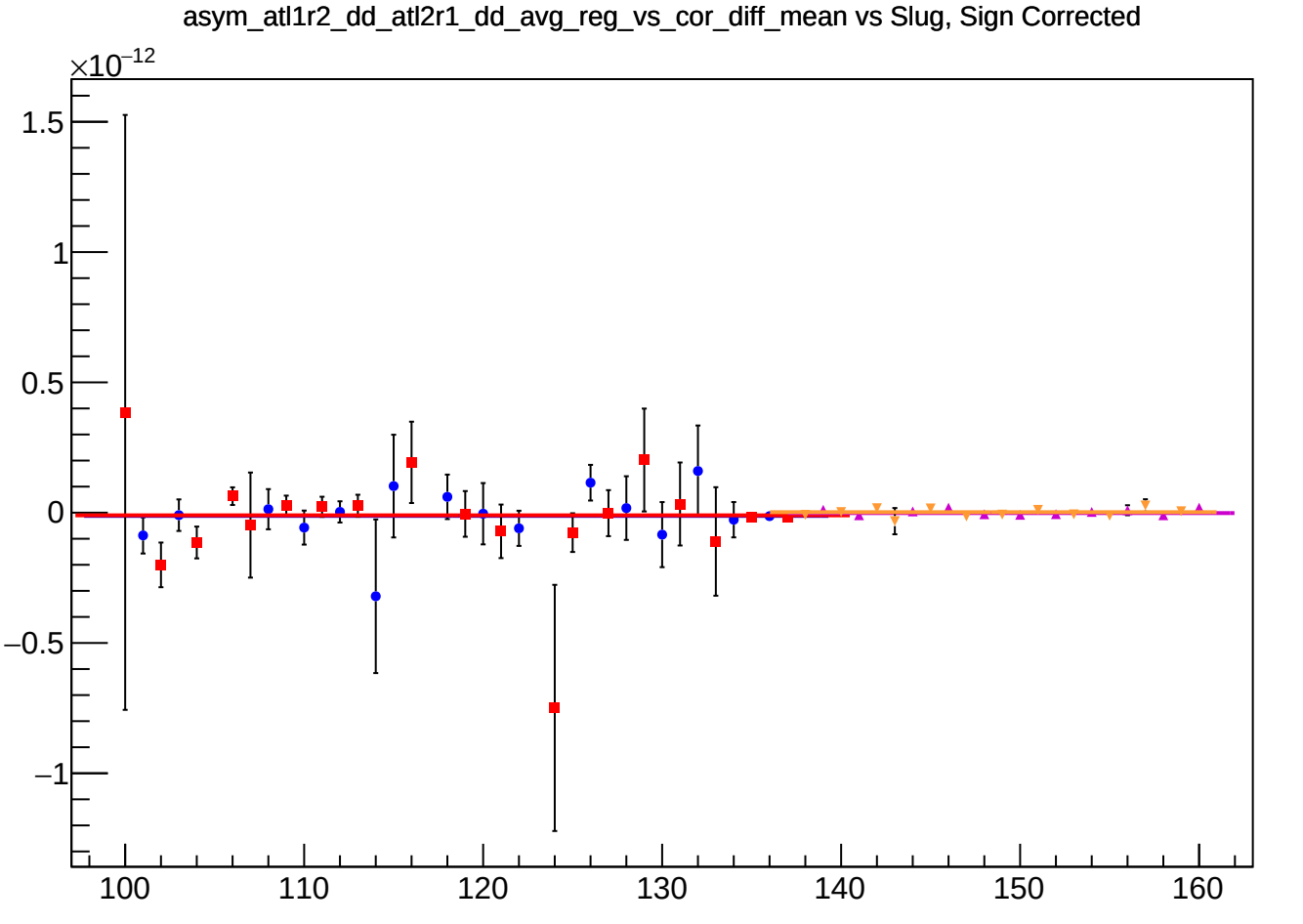
Left: 1338.868+/-0.218 χ^2/NDF: 479852.0/22

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1382.859+/-0.241 χ^2/NDF:702993.4/26

Out: 1408.969+/-0.247 χ^2/NDF:1161102.0/30

All: 1395.601+/-0.173 χ^2/NDF: 1869810.8/57



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:12.9/10

Left: 0.000+/-0.000 χ^2/NDF: 25.7/22

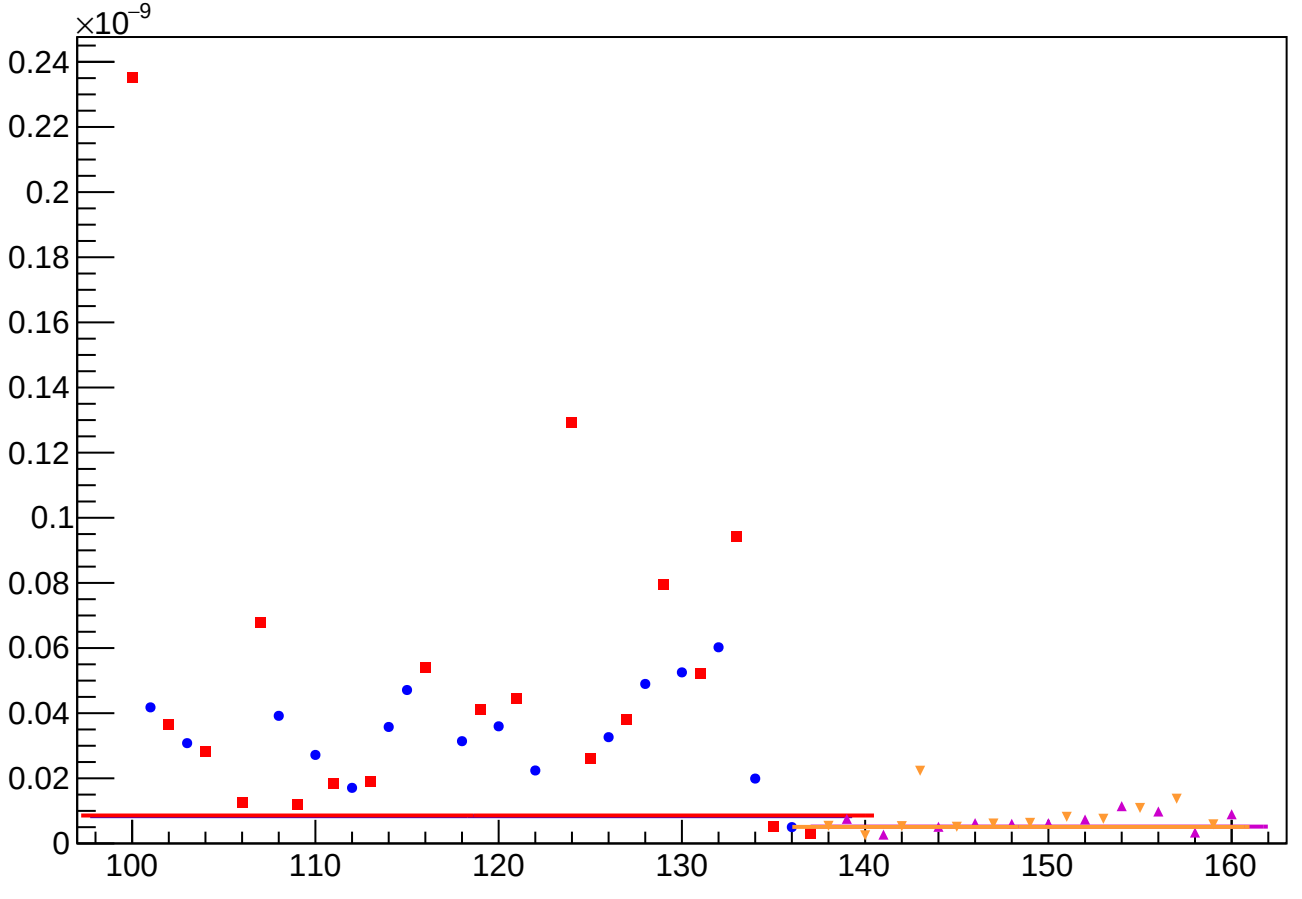
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.1/26

Out: 0.000+/-0.000 χ^2/NDF:36.4/30

All: -0.000+/-0.000 χ^2/NDF: 61.4/57

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534636.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

Left: 0.000+/-0.000 χ^2/NDF: 2743066.4/22

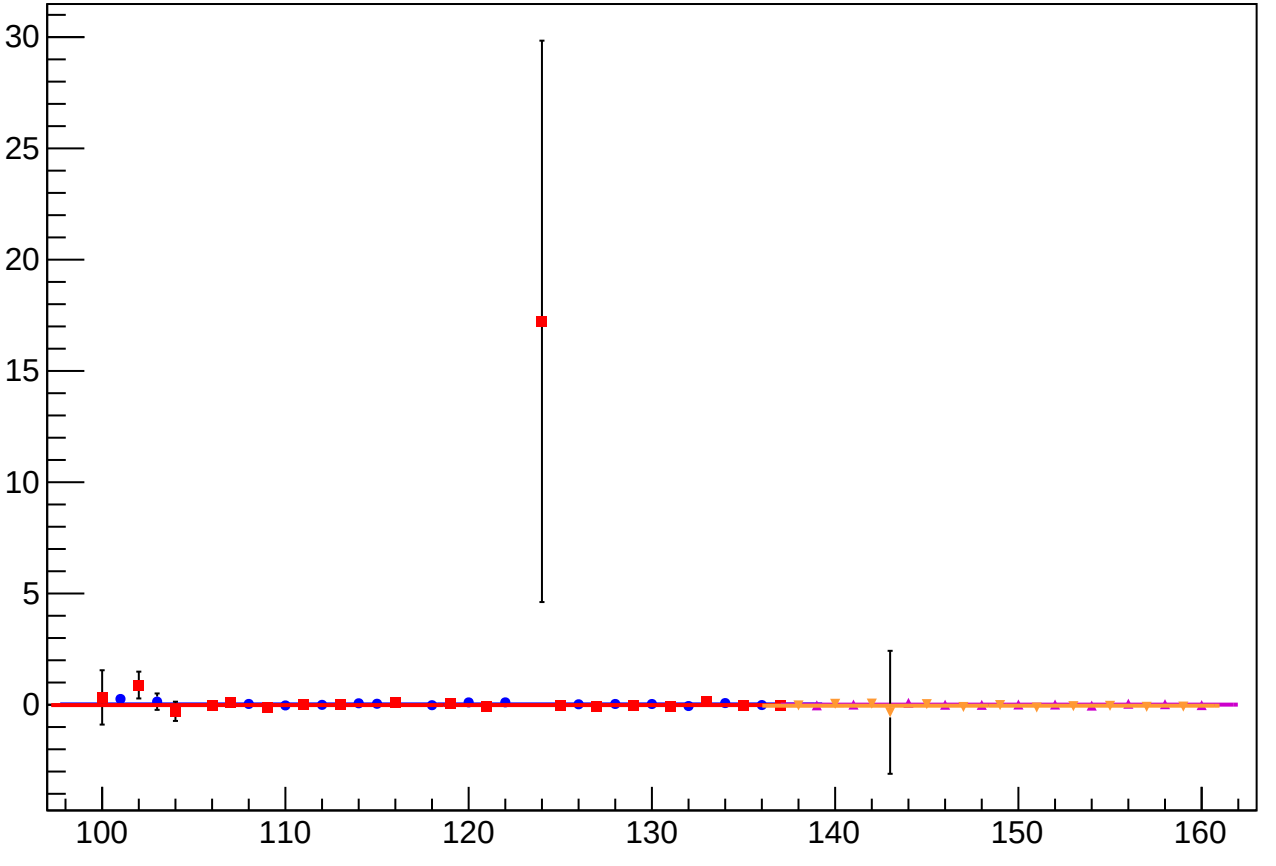
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4591650.6/26

Out: 0.000+/-0.000 χ^2/NDF:5219662.2/30

All: 0.000+/-0.000 χ^2/NDF: 9812826.6/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

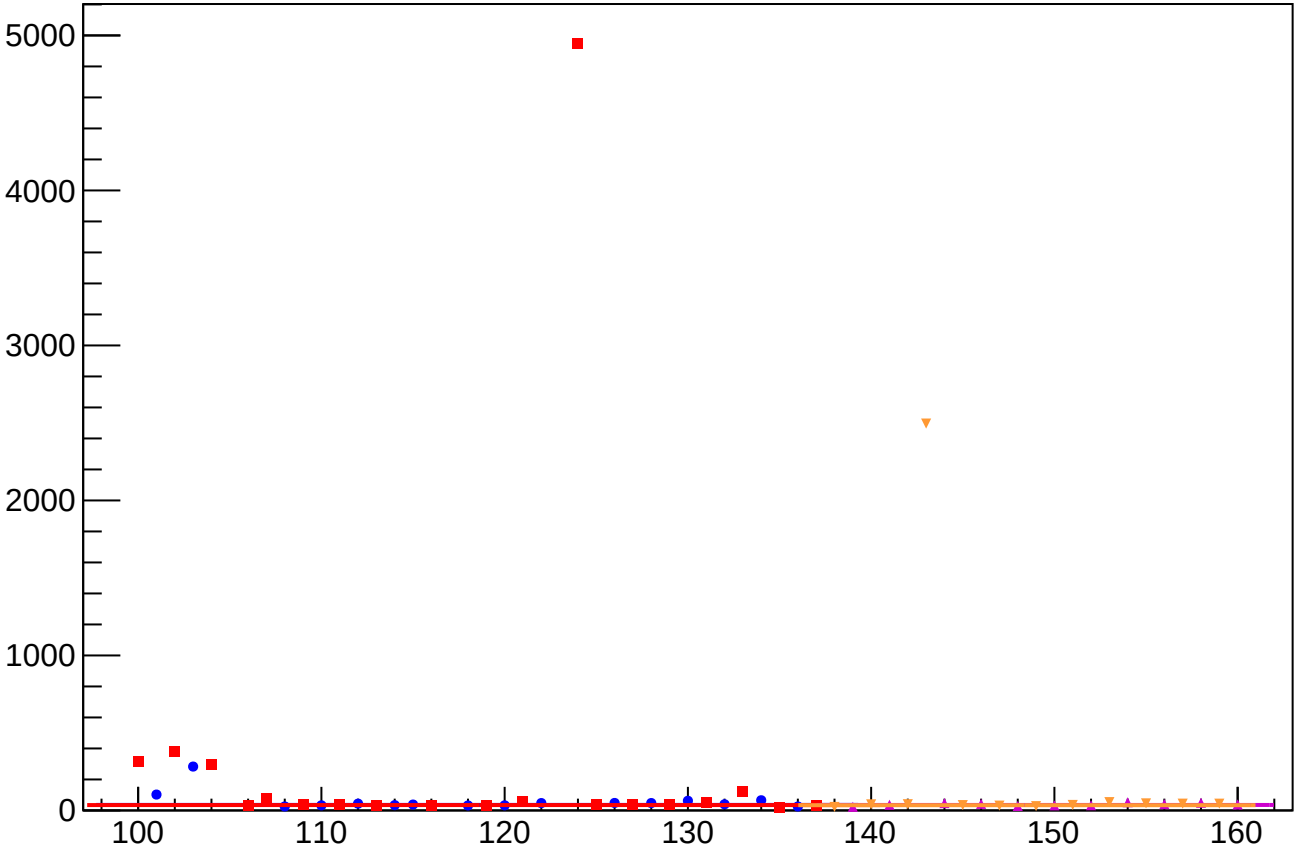
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

Left: 34.702+/-0.006 χ^2/NDF: 3463798.5/22

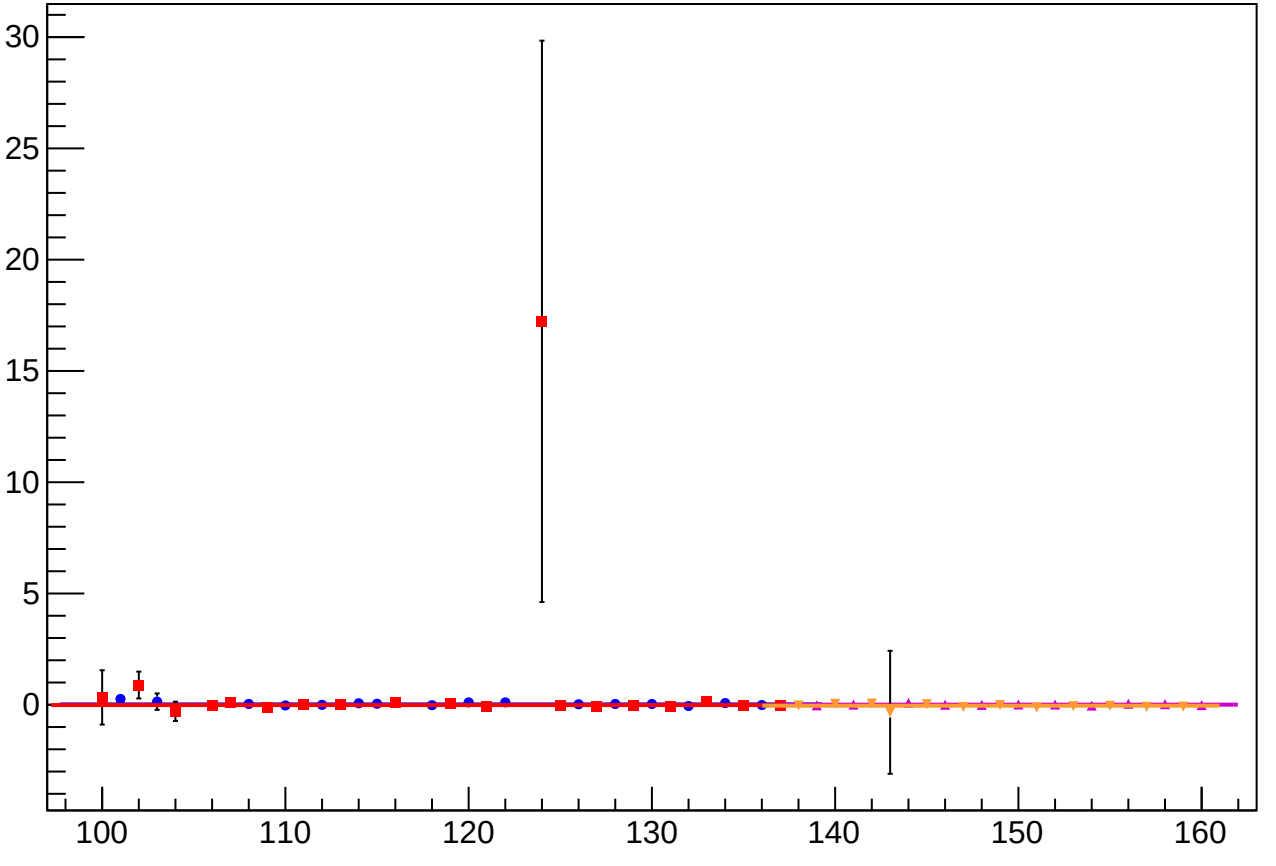
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

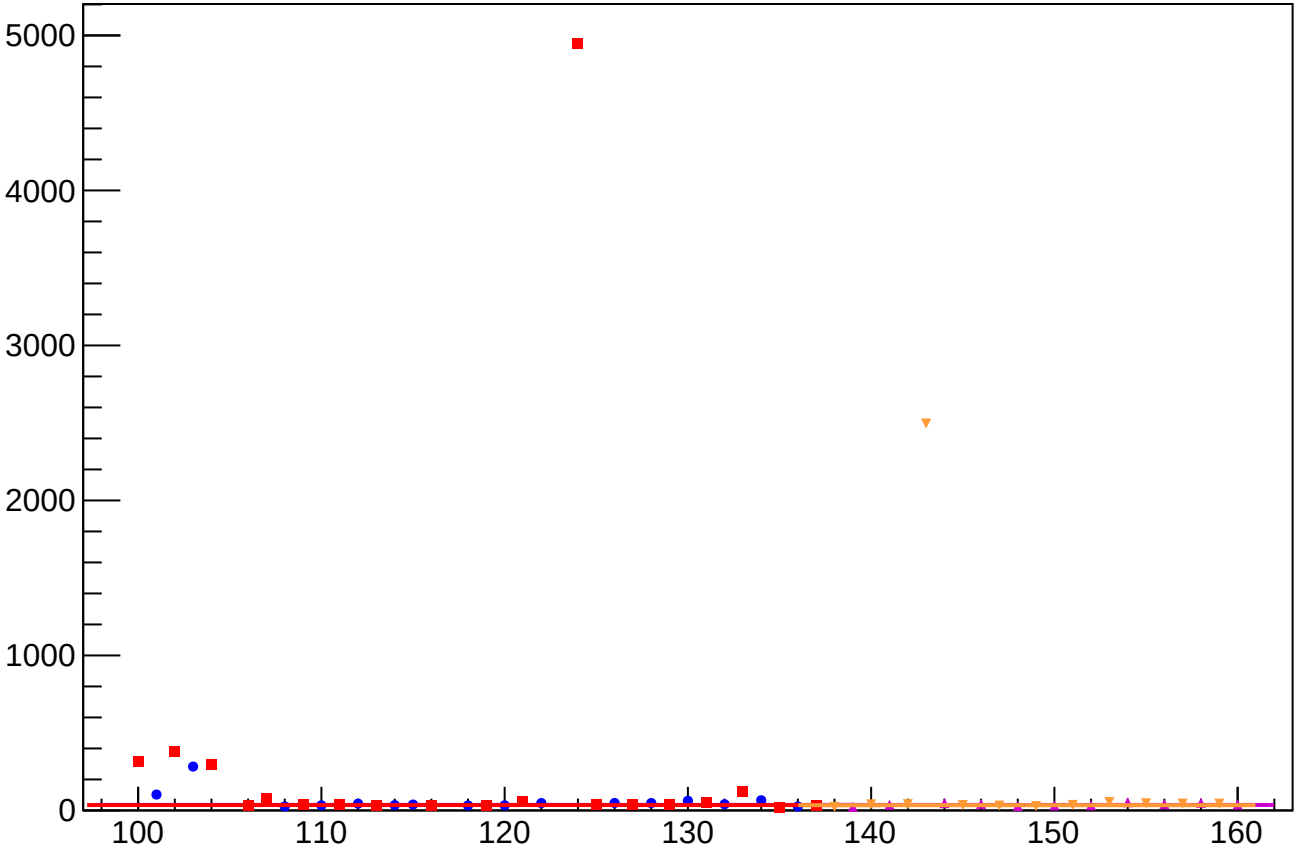
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

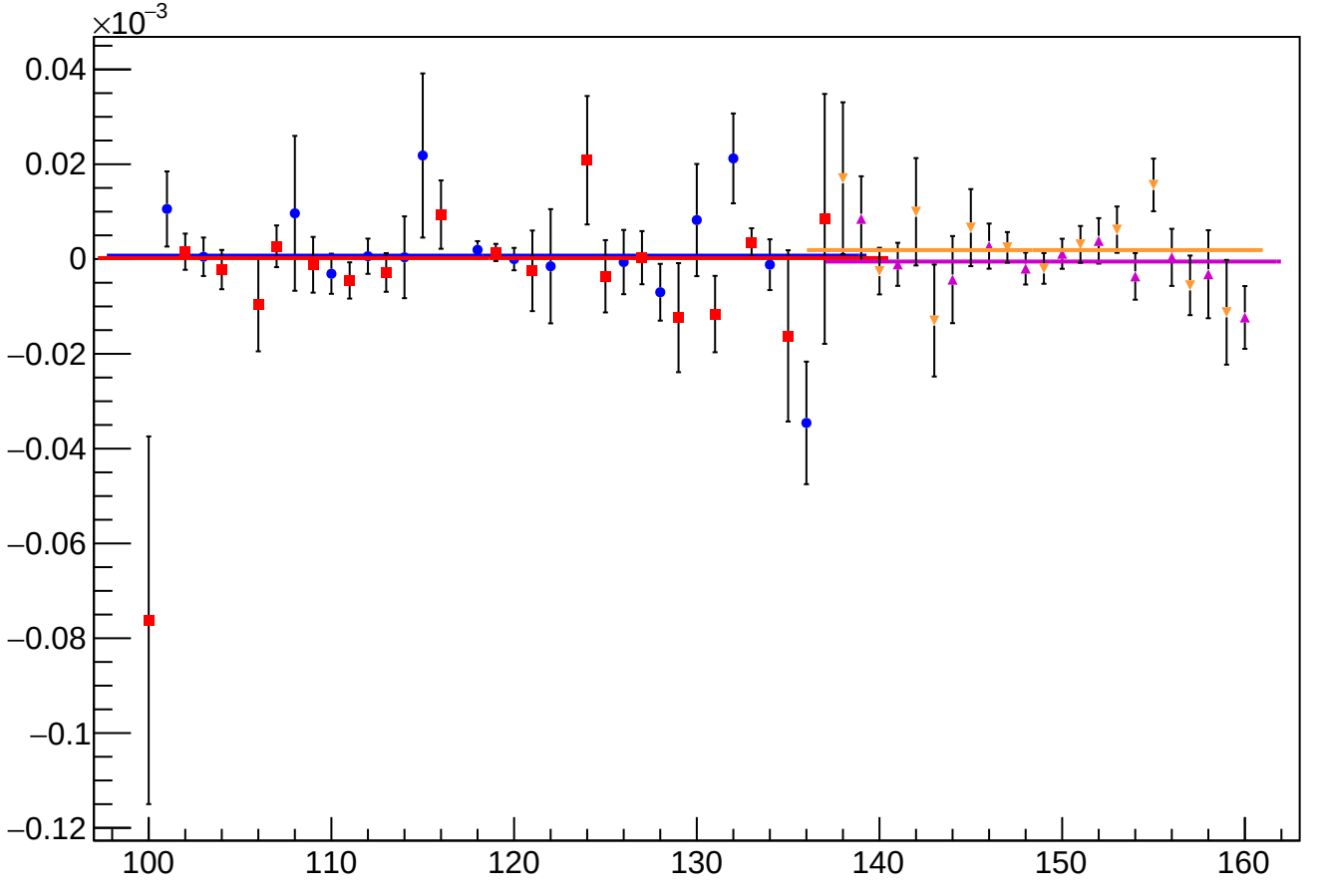
Left: 34.702+/-0.006 χ^2/NDF: 3463798.5/22

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.275+/-0.007 χ^2/NDF:5444114.9/30

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57



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:6.6/10

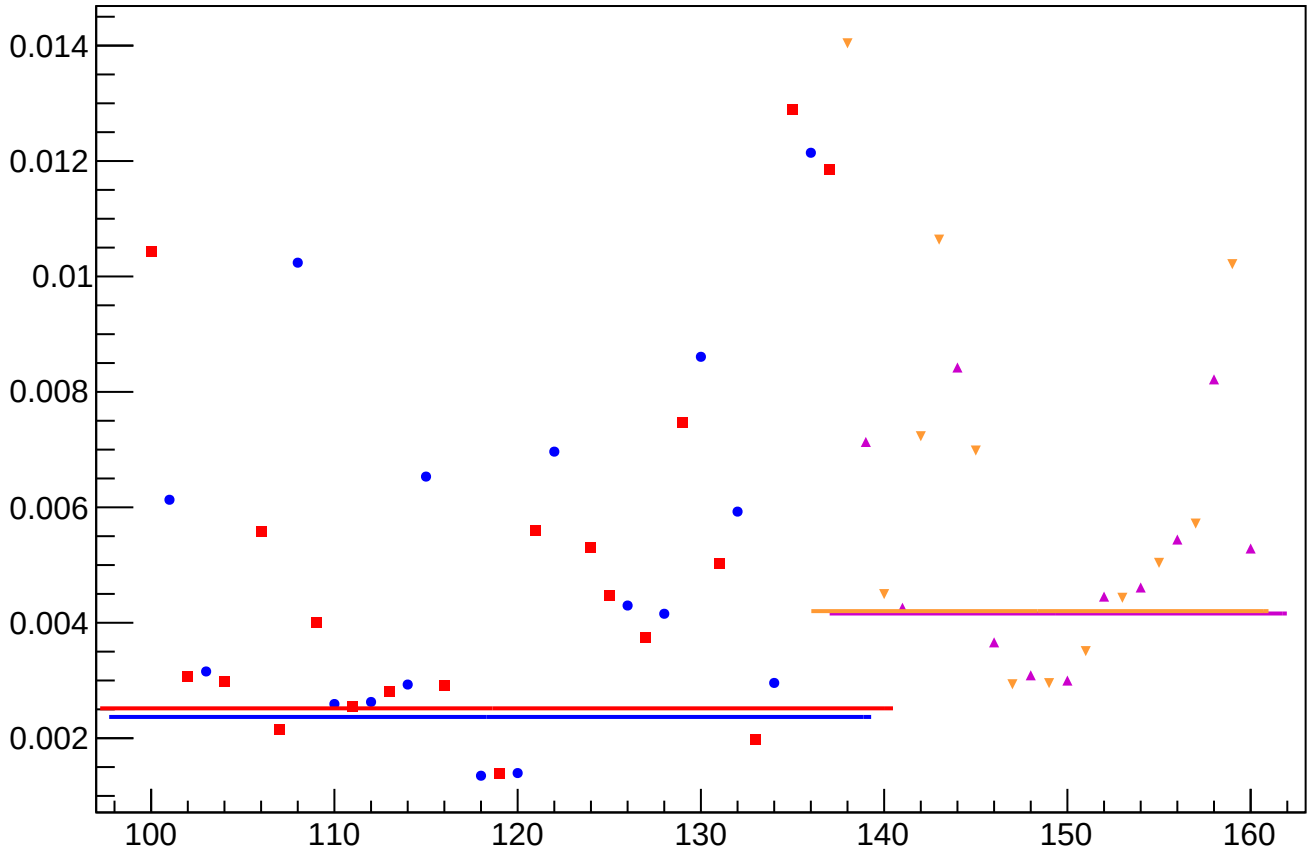
Left: 0.000+/-0.000 χ^2/NDF: 23.4/22

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/26

Out: 0.000+/-0.000 χ^2/NDF:34.3/30

All: 0.000+/-0.000 χ^2/NDF: 60.7/57



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:1697642.3/10

Left: 0.004+/-0.000 χ^2/NDF: 4858667.0/22

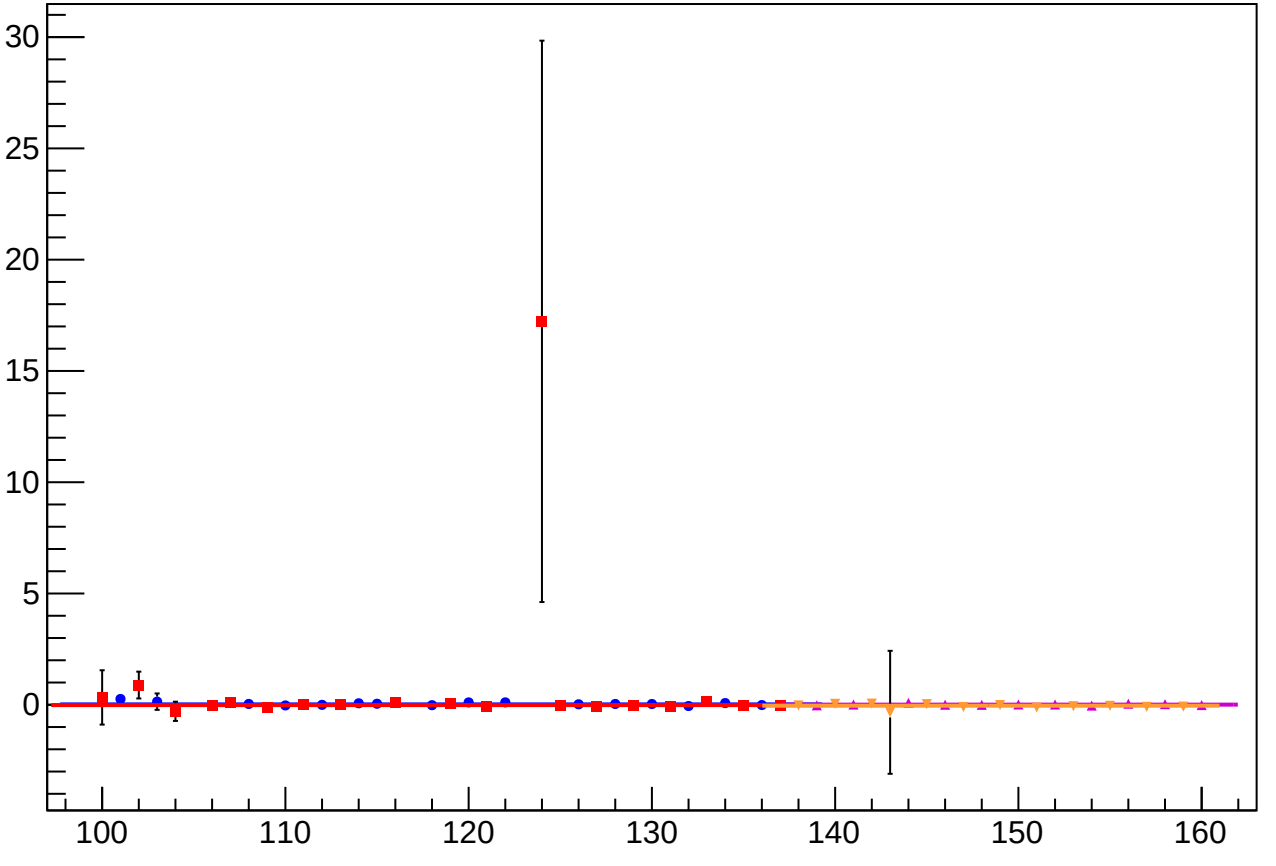
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8286489.8/26

Out: 0.003+/-0.000 χ^2/NDF:8226627.1/30

All: 0.003+/-0.000 χ^2/NDF: 16519969.1/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

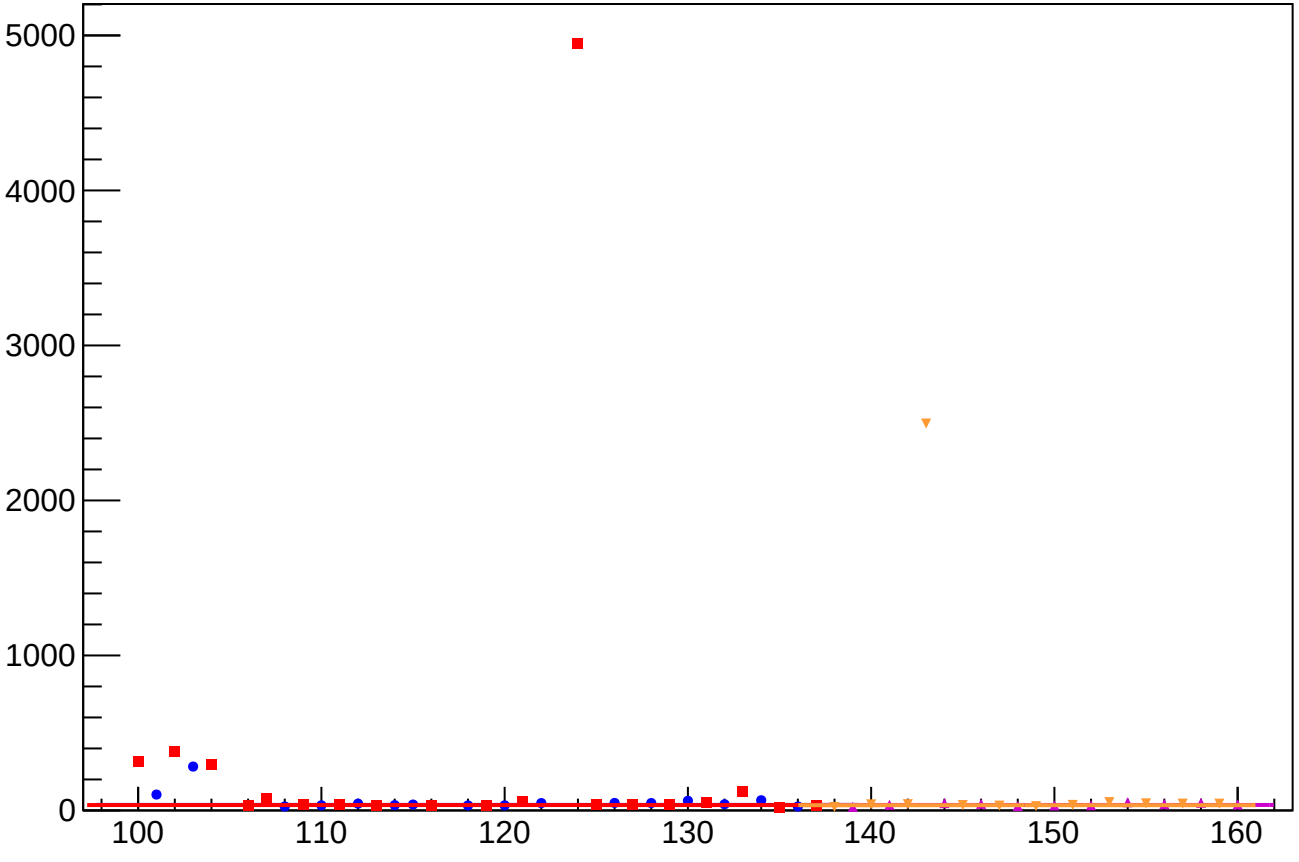
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

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: 35.468+/-0.009 χ^2/NDF:923295.6/10

Left: 34.701+/-0.006 χ^2/NDF: 3464701.9/22

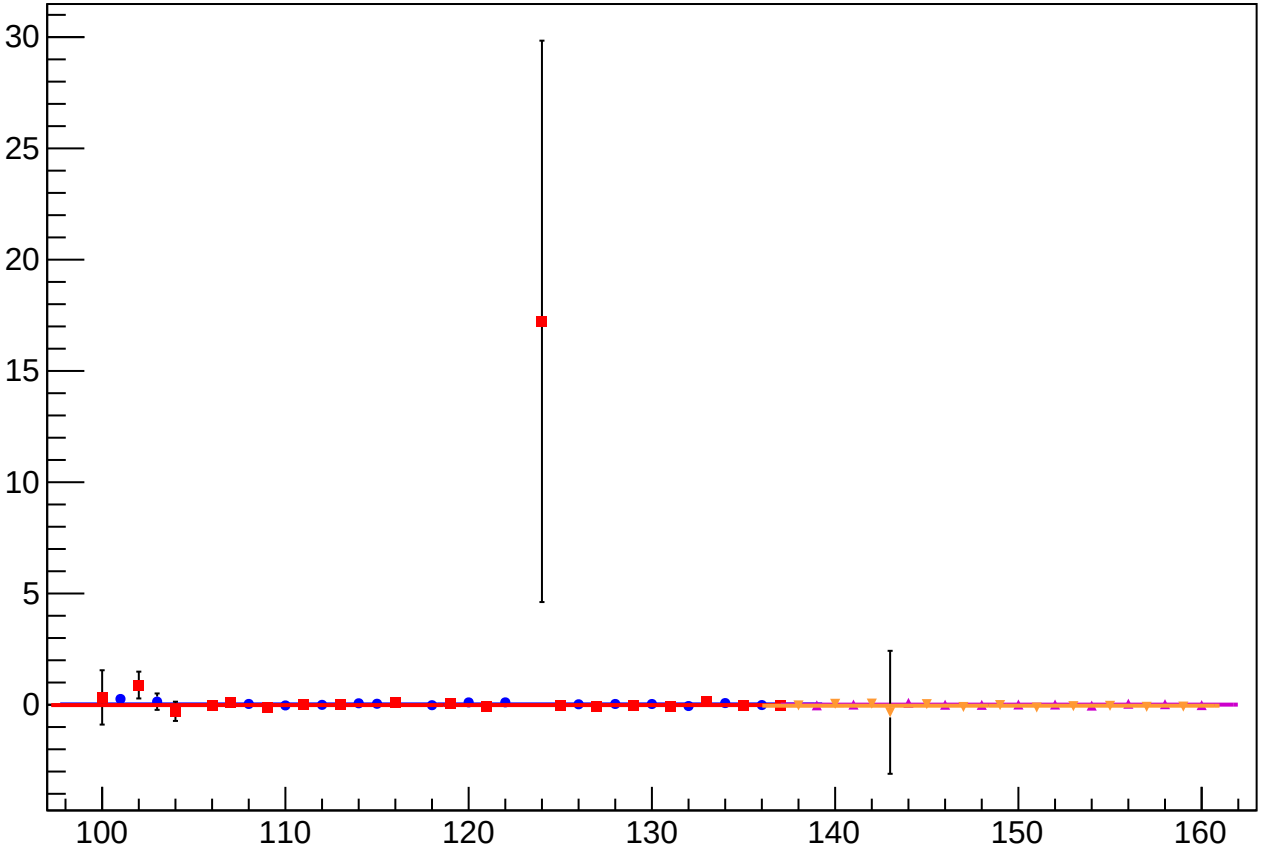
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57

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: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/22

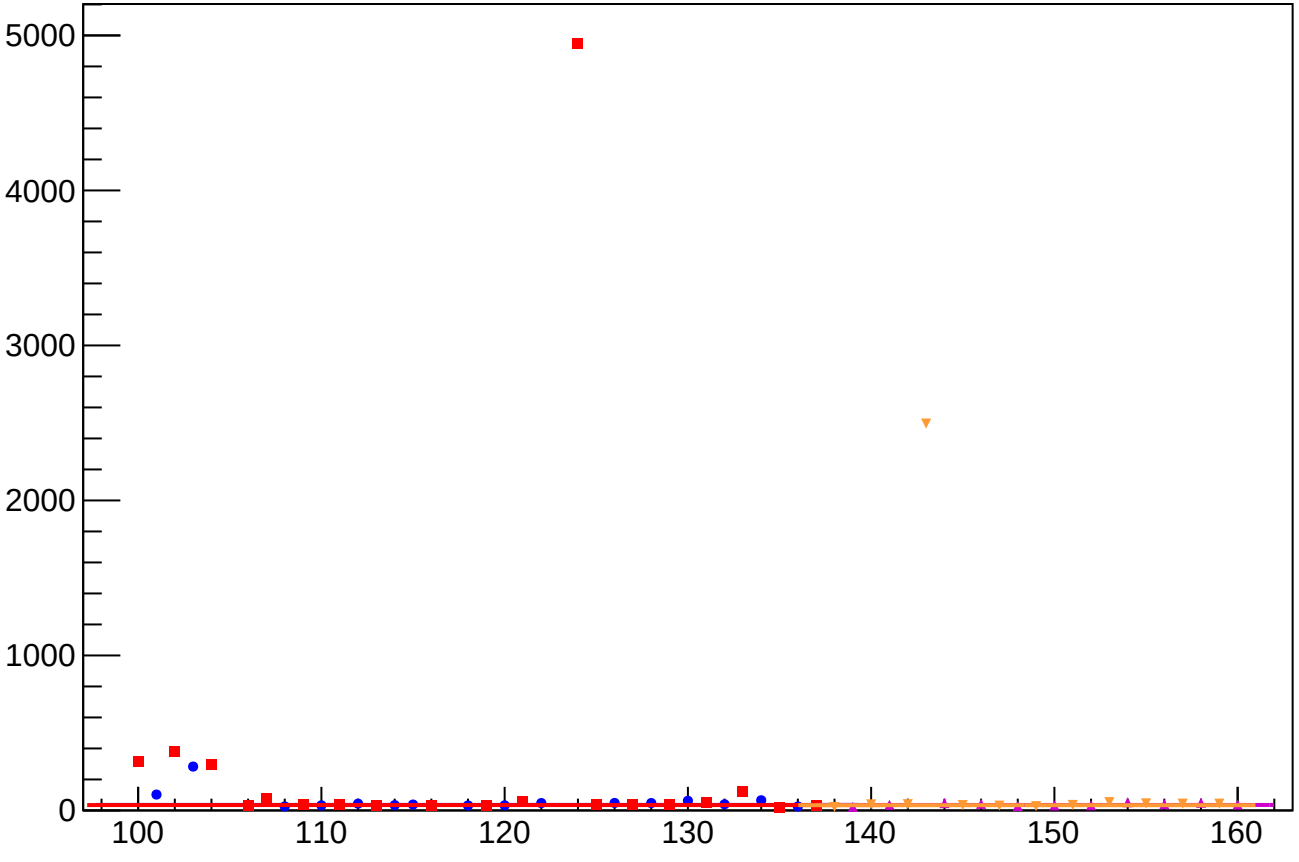
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.2/30

All: -0.010+/-0.007 χ^2/NDF: 61.0/57

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: 35.468+/-0.009 χ^2/NDF:923295.6/10

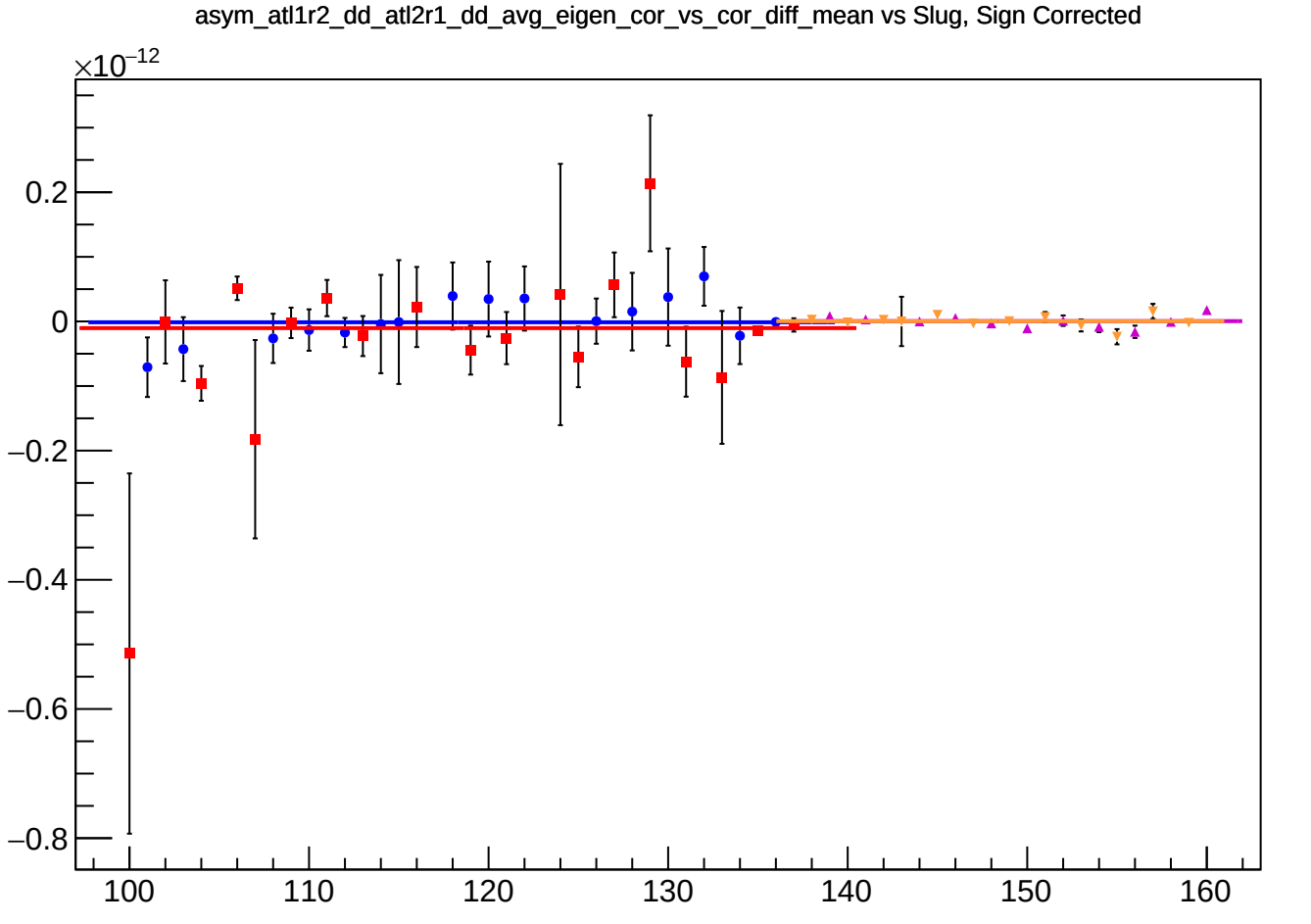
Left: 34.701+/-0.006 χ^2/NDF: 3464701.9/22

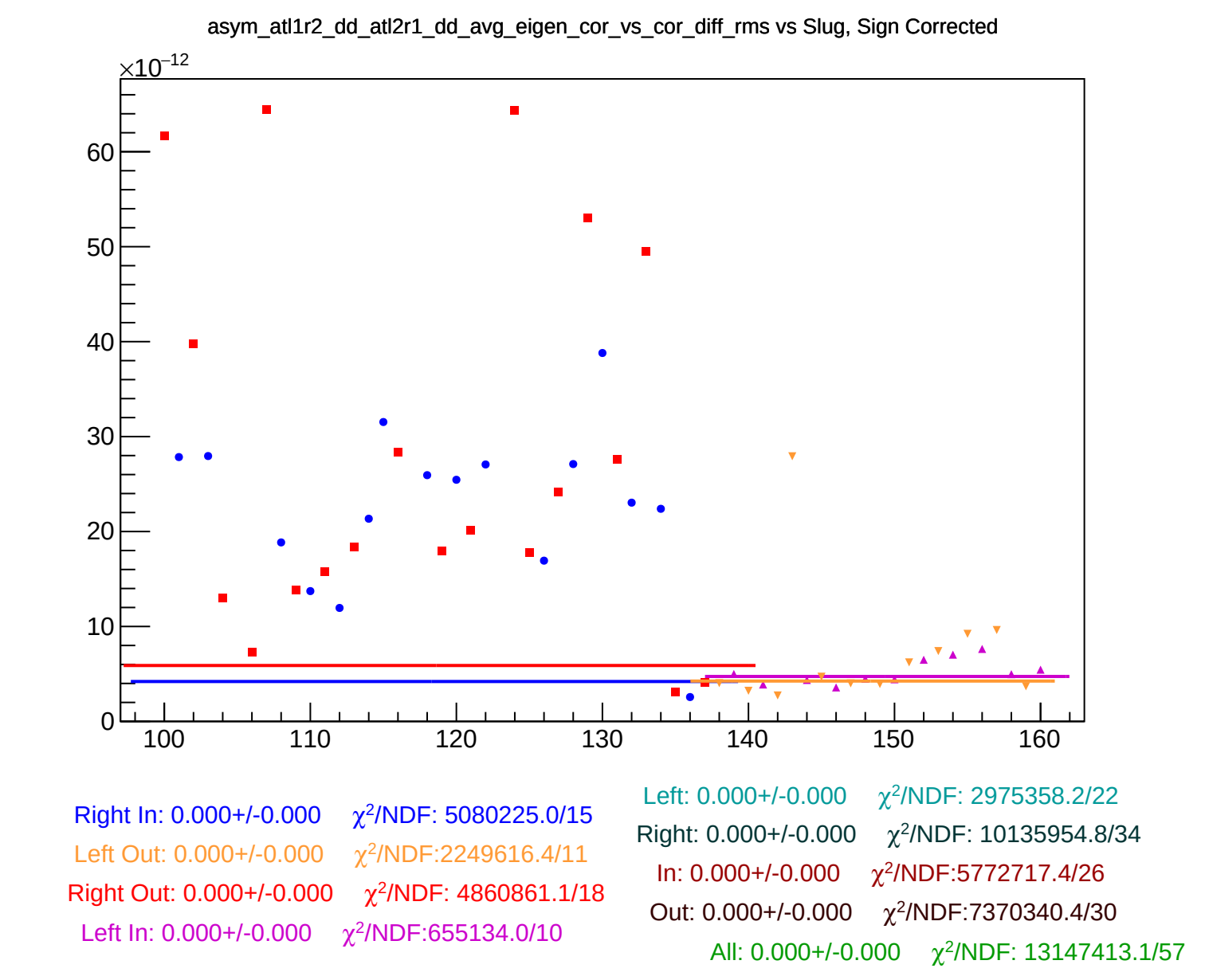
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

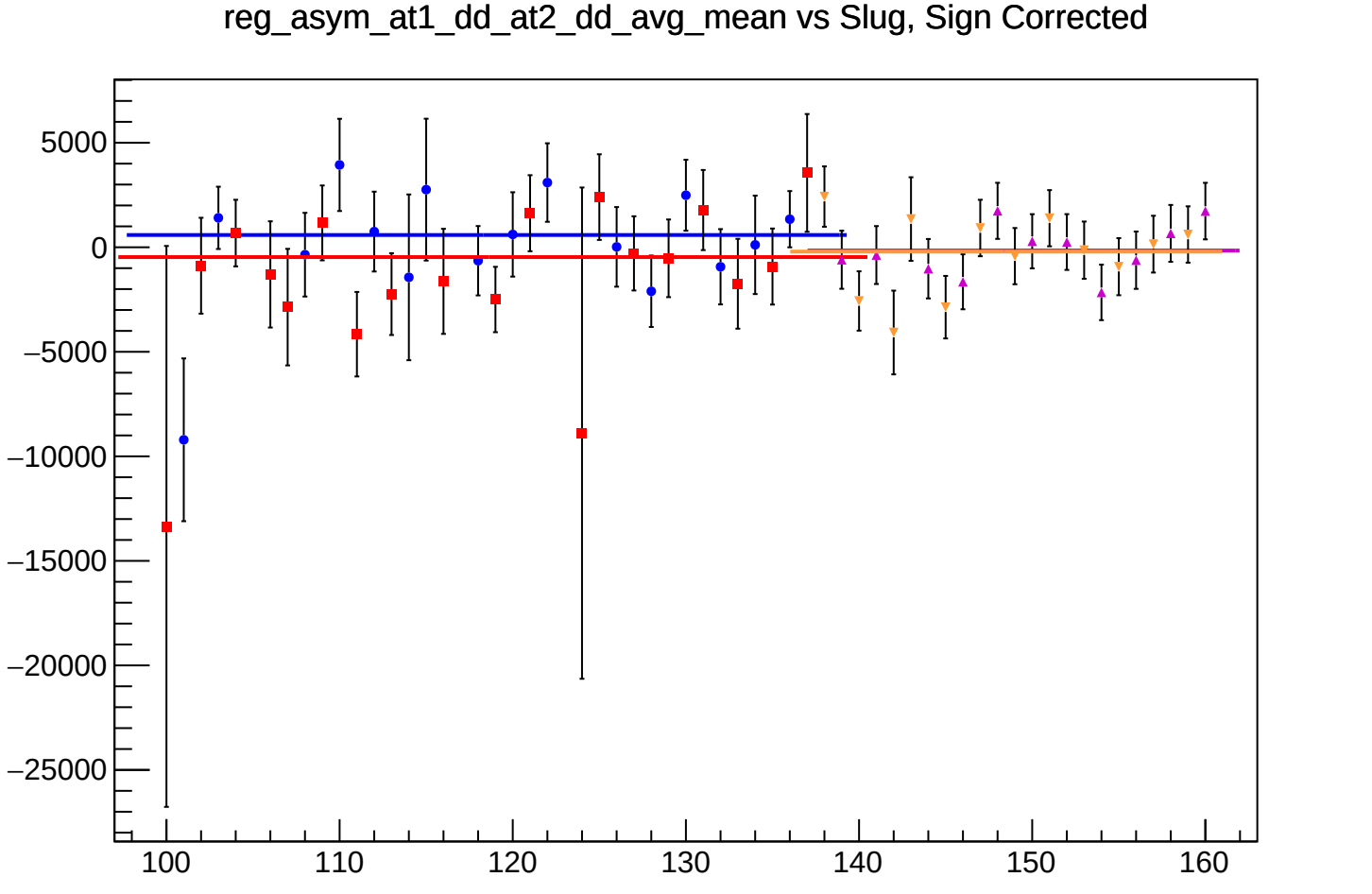
In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.275+/-0.007 χ^2/NDF:5444280.9/30

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.8/10
Left: 0.000+/-0.000 χ²/NDF: 27.4/22
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:25.7/26
Out: -0.000+/-0.000 χ²/NDF:56.0/30
All: -0.000+/-0.000 χ²/NDF: 82.0/57


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2249616.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:655134.0/10
Left: 0.000+/-0.000 χ²/NDF: 2975358.2/22
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5772717.4/26
Out: 0.000+/-0.000 χ²/NDF:7370340.4/30
All: 0.000+/-0.000 χ²/NDF: 13147413.1/57



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.199+/-417.342 χ^2/NDF:16.5/11

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -155.093+/-407.833 χ^2/NDF:8.7/10

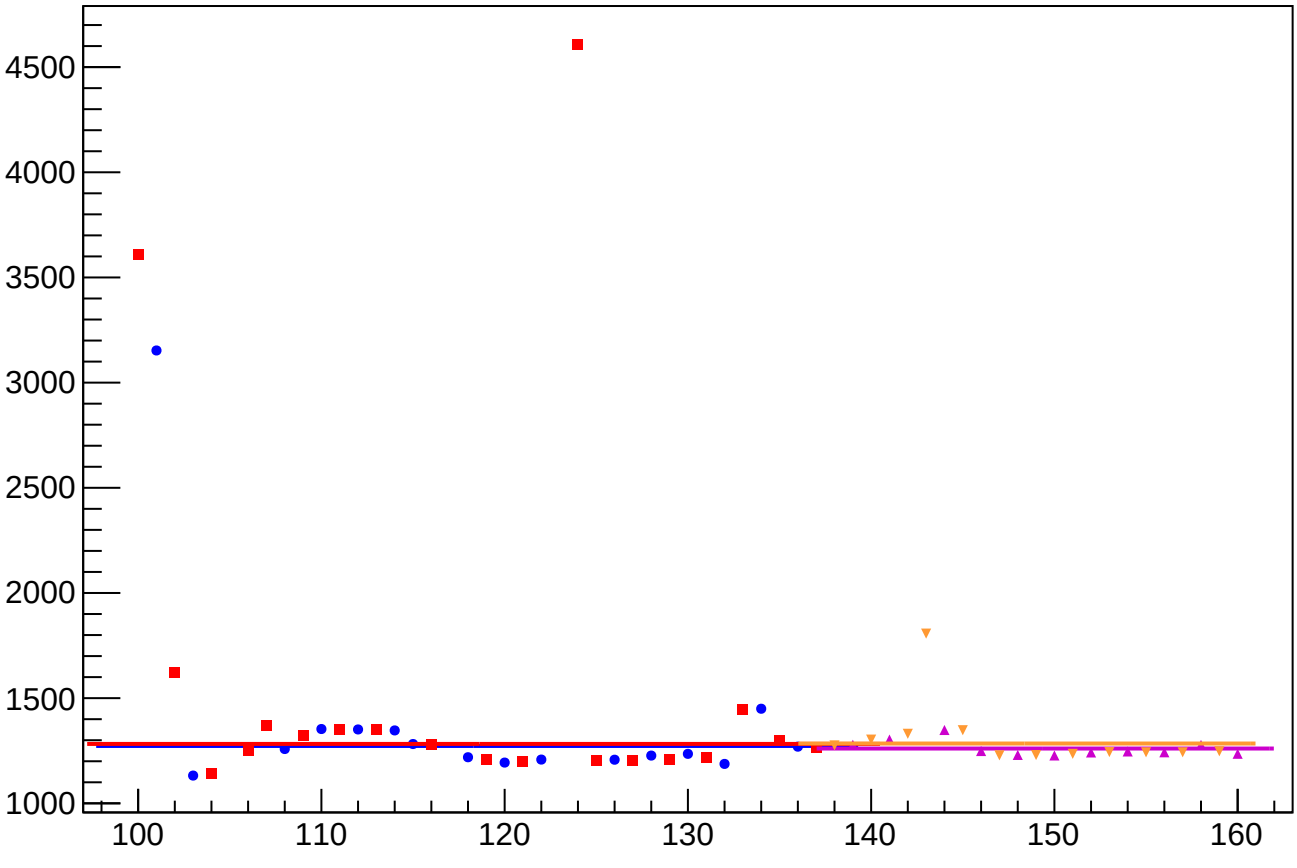
Left: -180.057+/-291.685 χ^2/NDF: 25.2/22

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 154.176+/-311.455 χ^2/NDF:27.2/26

Out: -319.205+/-315.090 χ^2/NDF:33.5/30

All: -79.768+/-221.506 χ^2/NDF: 61.8/57



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: 1260.484+/-0.288 χ^2/NDF:14357.0/10

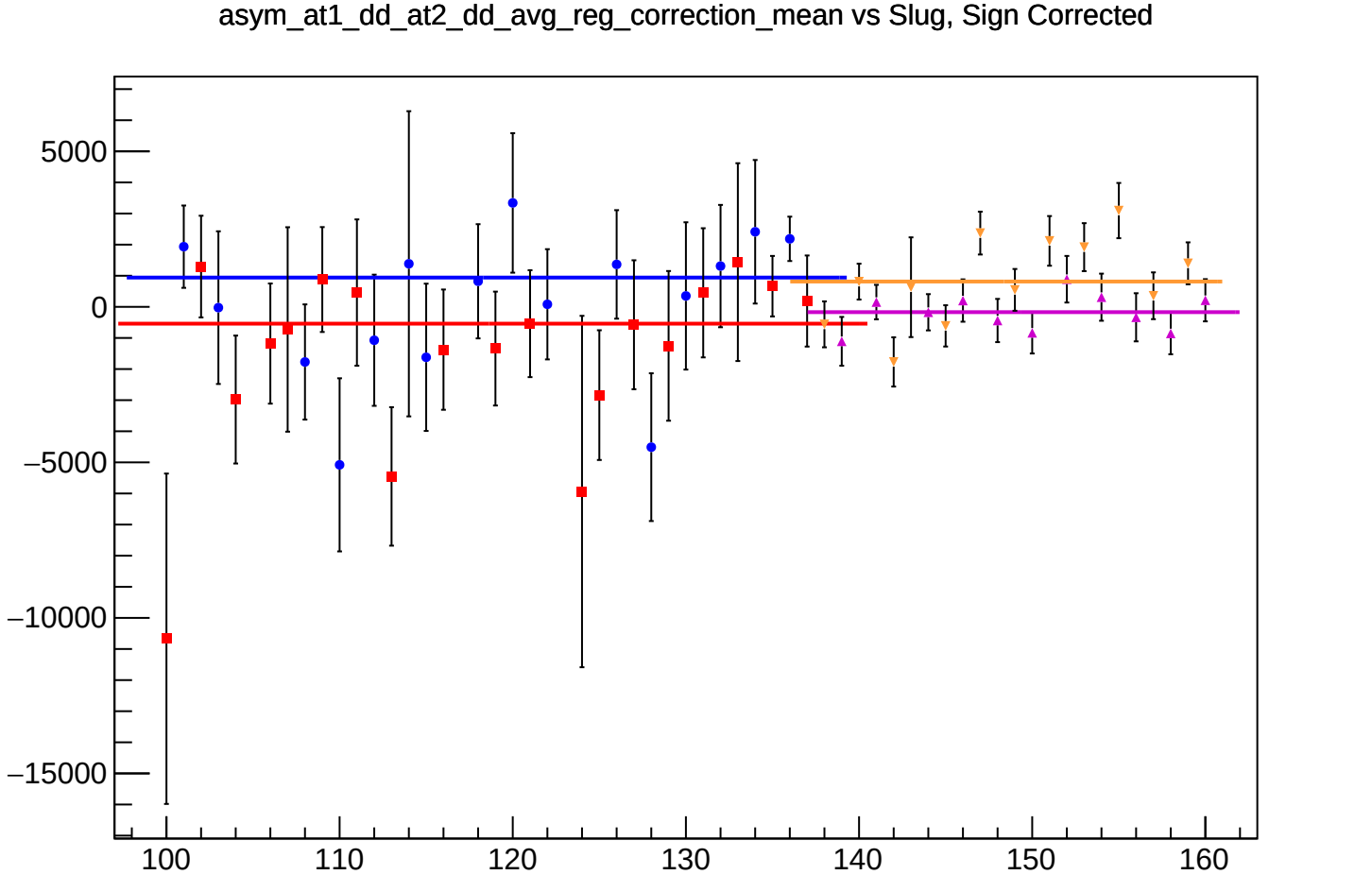
Left: 1272.122+/-0.206 χ^2/NDF: 175734.1/22

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1265.619+/-0.220 χ^2/NDF:534415.8/26

Out: 1283.473+/-0.223 χ^2/NDF:480140.7/30

All: 1274.442+/-0.157 χ^2/NDF: 1017804.2/57



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: -170.401+/-204.394 χ^2/NDF:7.0/10

Left: 300.121+/-147.684 χ^2/NDF: 54.6/22

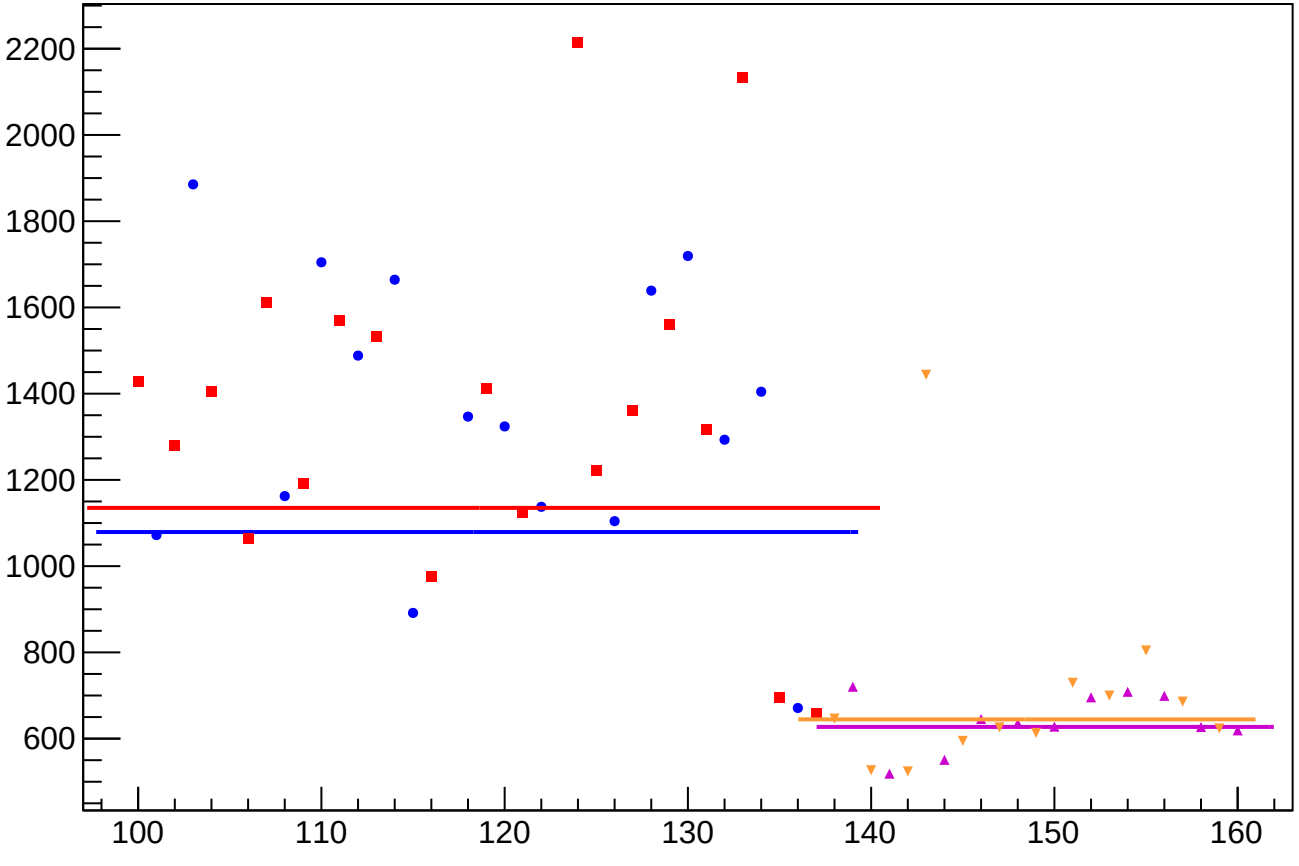
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 37.845+/-184.267 χ^2/NDF:32.5/26

Out: 555.592+/-192.165 χ^2/NDF:61.3/30

All: 285.860+/-133.001 χ^2/NDF: 97.6/57

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: 627.151+/-0.145 χ^2/NDF:198310.9/10

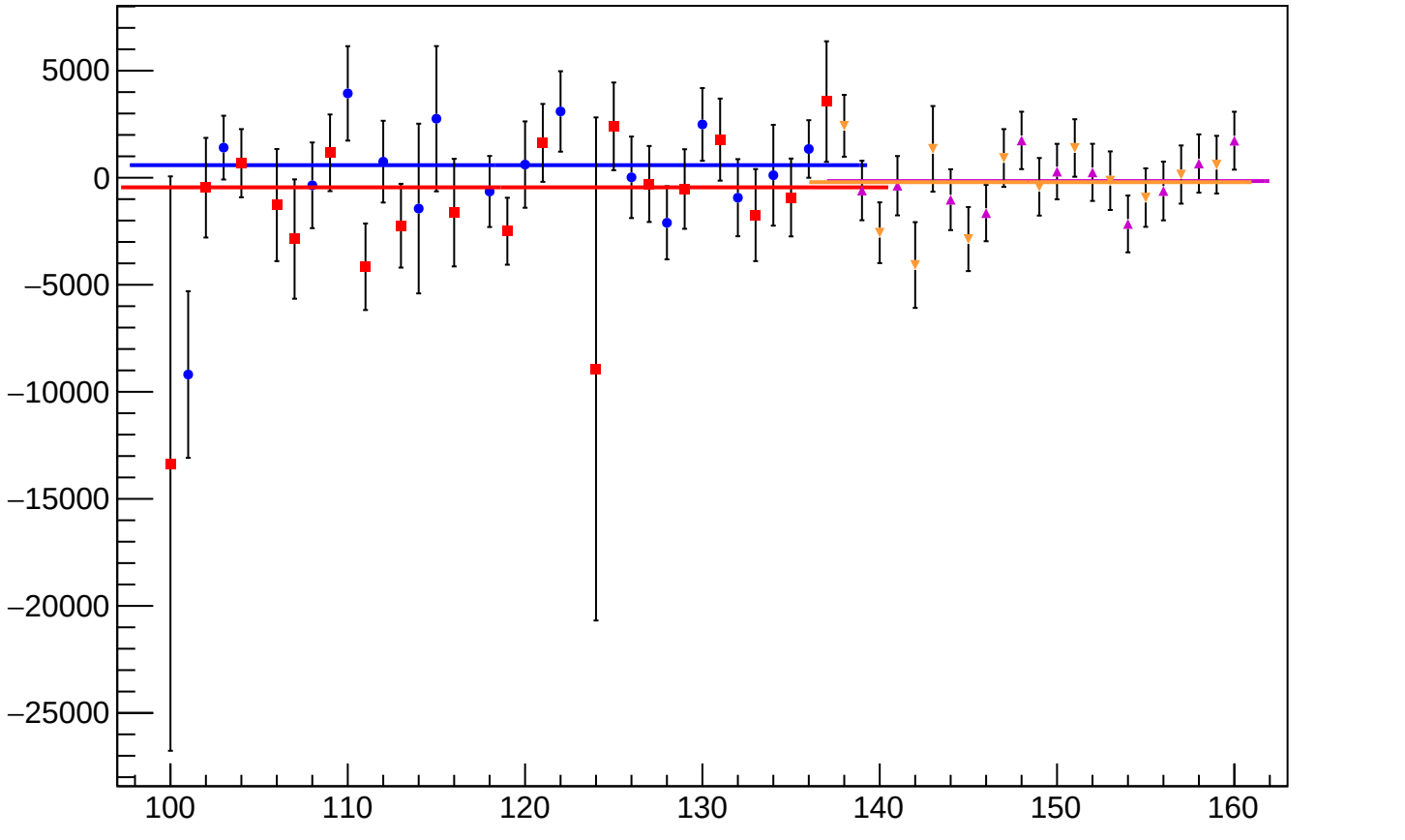
Left: 635.514+/-0.104 χ^2/NDF: 954954.7/22

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 711.779+/-0.130 χ^2/NDF:3511679.5/26

Out: 738.251+/-0.136 χ^2/NDF:4054830.7/30

All: 724.460+/-0.094 χ^2/NDF: 7586282.7/57



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: -155.064+/-407.833 χ^2/NDF:8.7/10

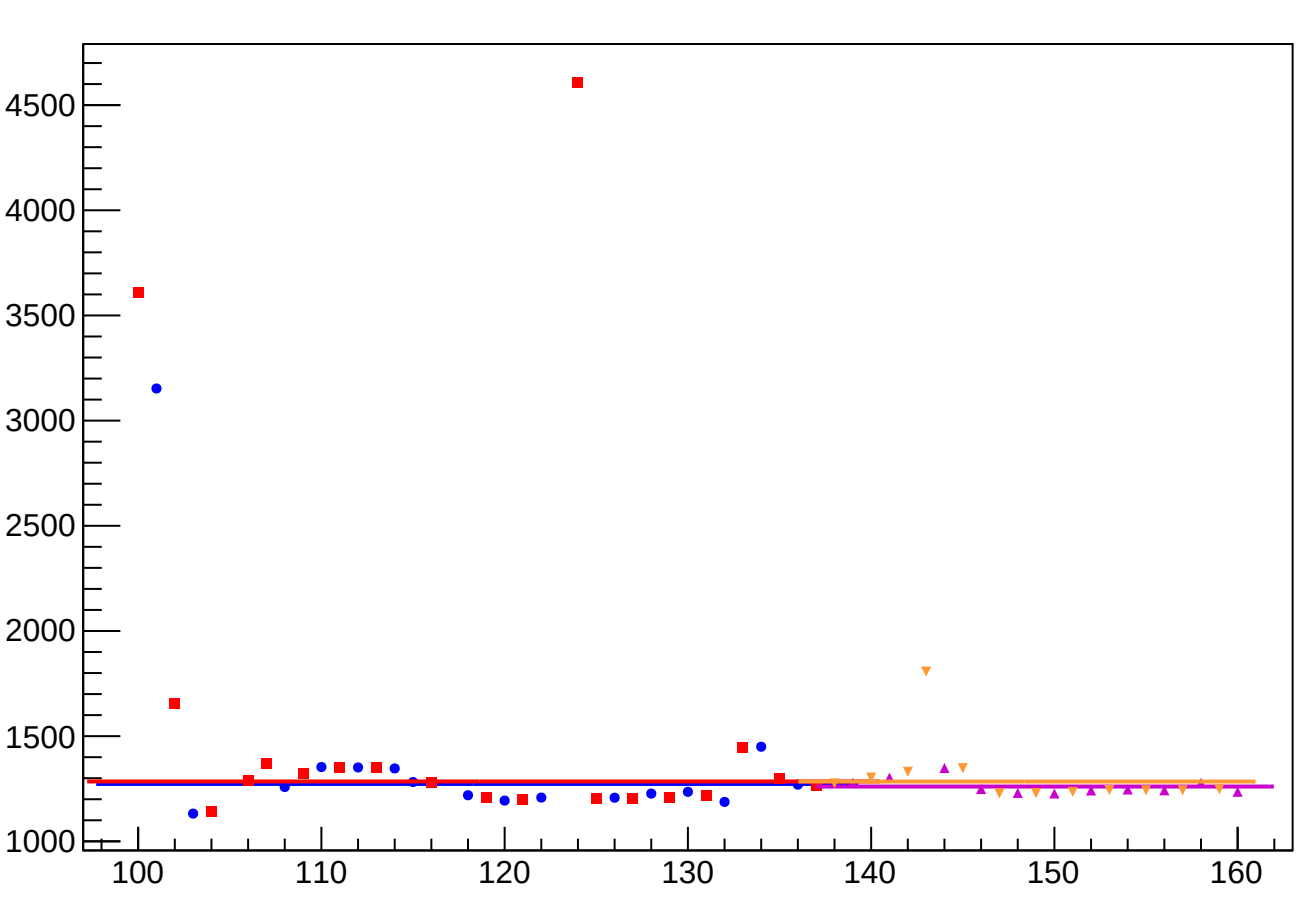
Left: -180.107+/-291.685 χ^2/NDF: 25.2/22

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -75.083+/-221.586 χ^2/NDF: 61.6/57



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: 1260.484+/-0.288 χ^2/NDF:14357.0/10

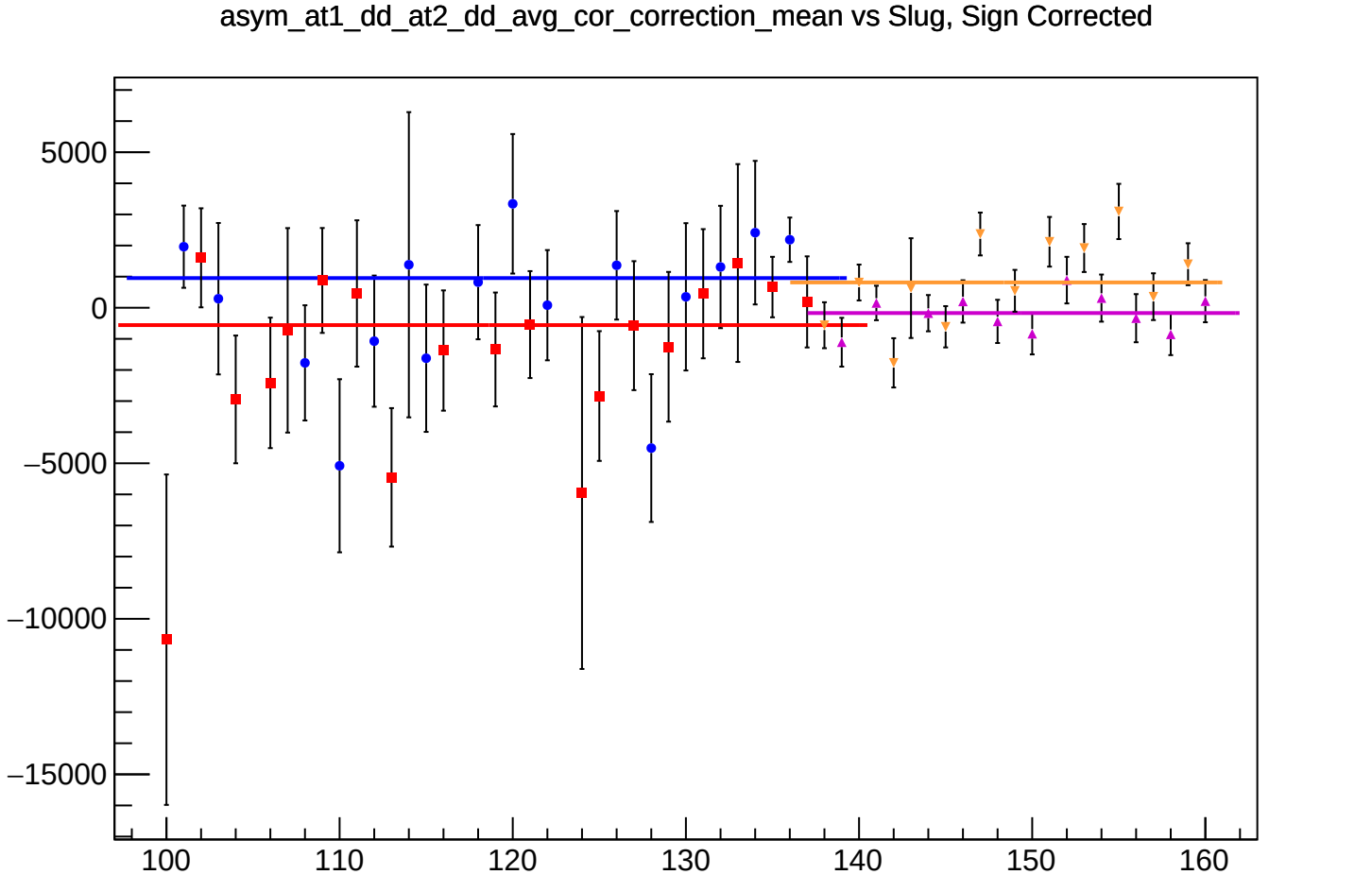
Left: 1272.122+/-0.206 χ^2/NDF: 175734.1/22

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57



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: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 300.098+/-147.684 χ^2/NDF: 54.6/22

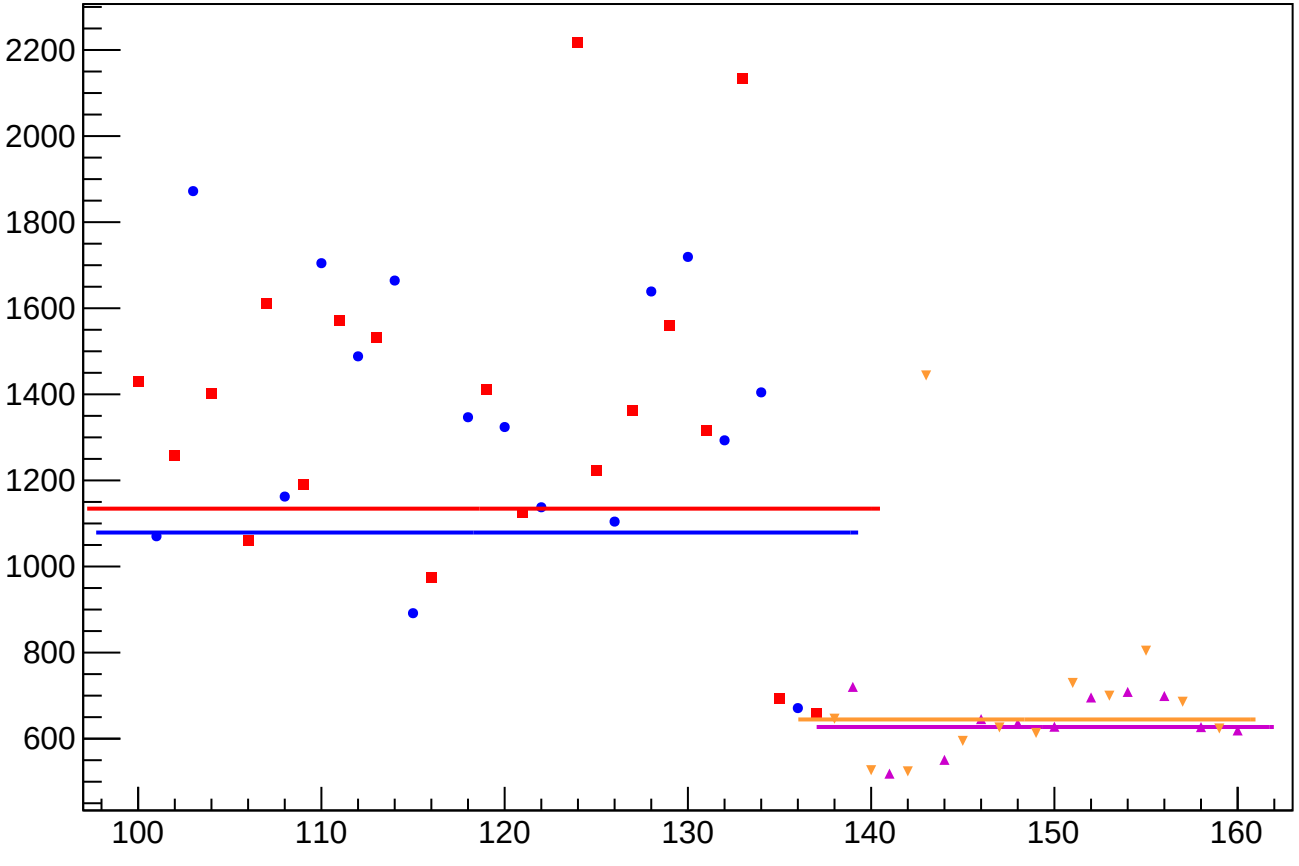
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 285.819+/-133.019 χ^2/NDF: 99.0/57

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: 627.147+/-0.145 χ^2/NDF:198335.7/10

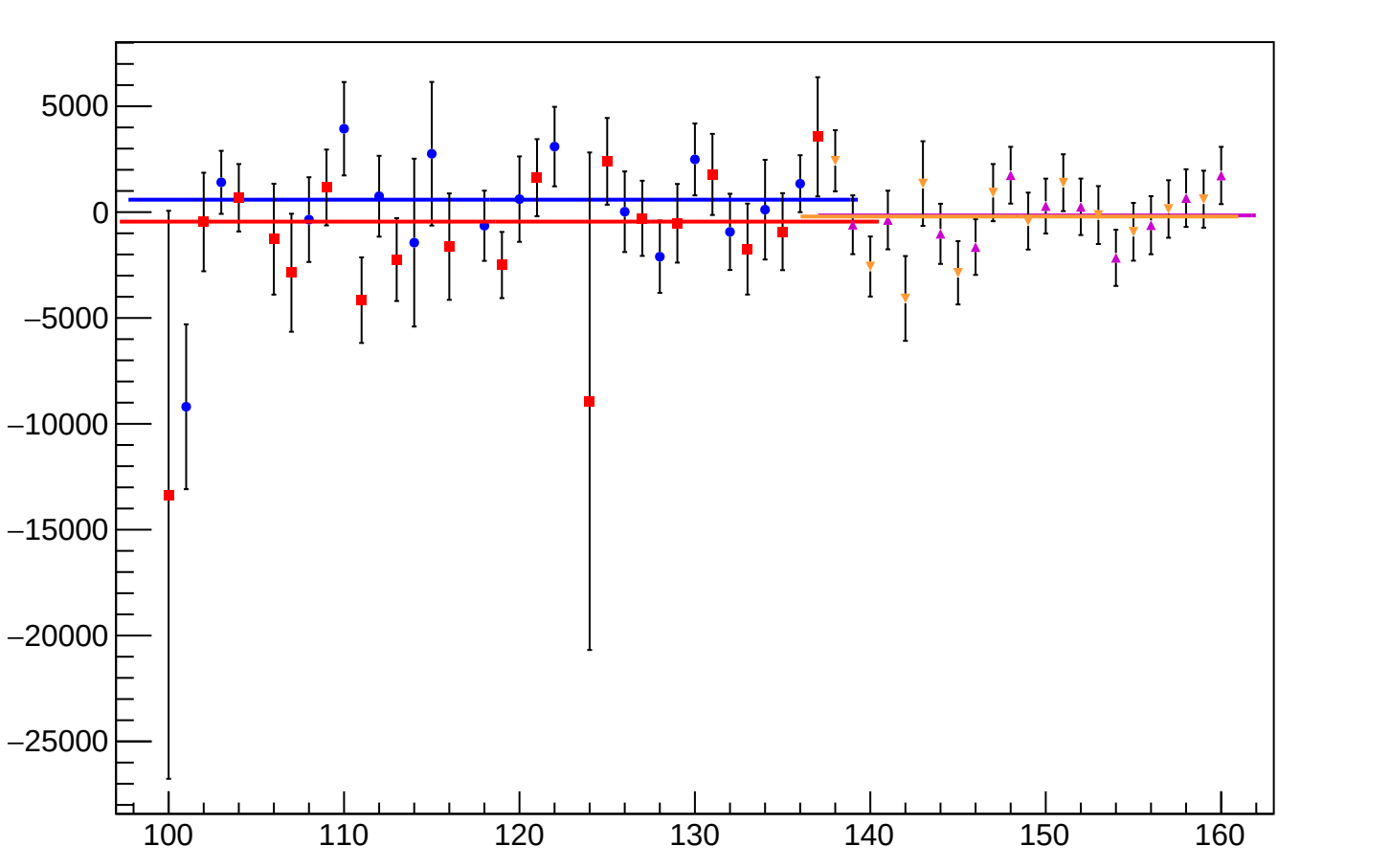
Left: 635.516+/-0.104 χ^2/NDF: 954893.7/22

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57



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: -155.064+/-407.833 χ^2/NDF:8.7/10

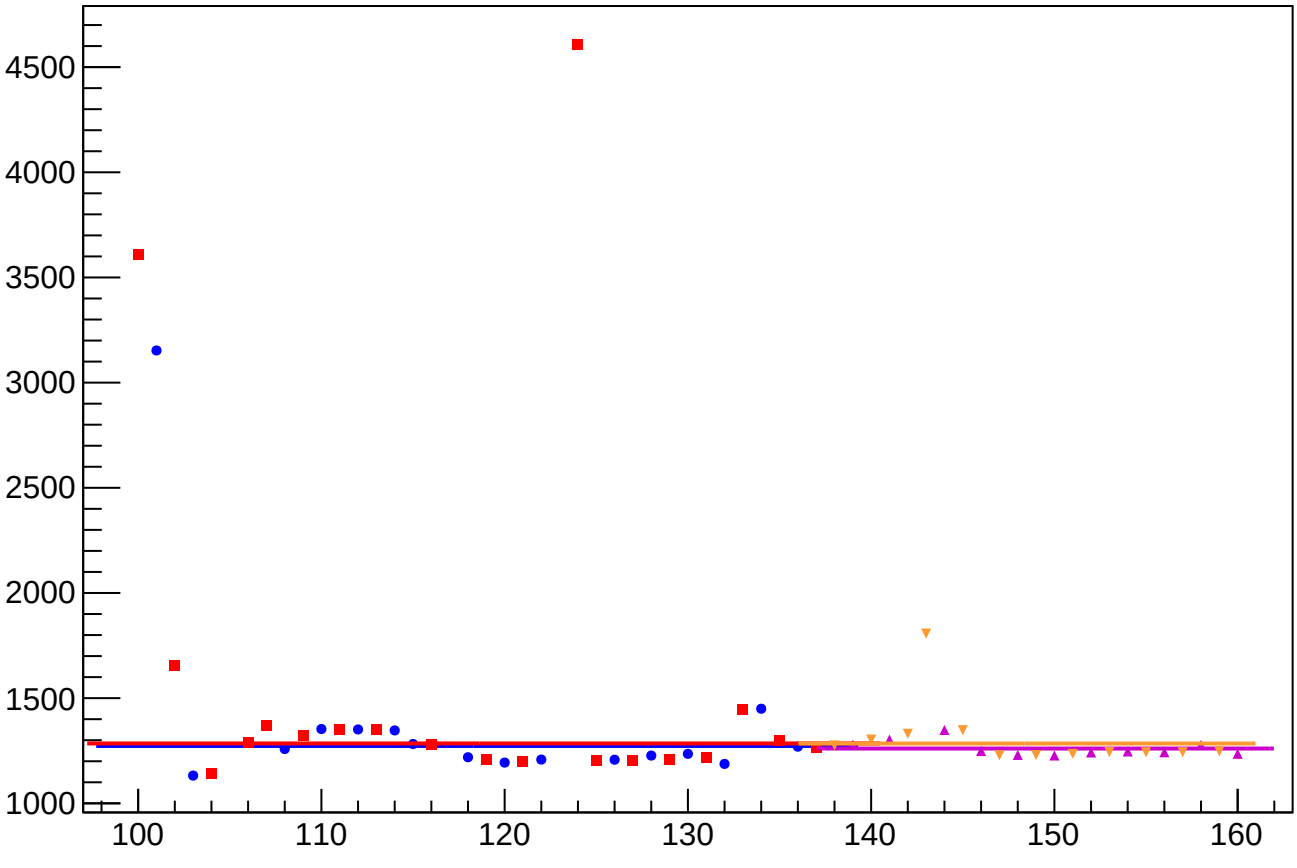
Left: -180.107+/-291.685 χ^2/NDF: 25.2/22

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -310.221+/-315.320 χ^2/NDF:33.4/30

All: -75.083+/-221.586 χ^2/NDF: 61.6/57



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: 1260.484+/-0.288 χ^2/NDF:14357.0/10

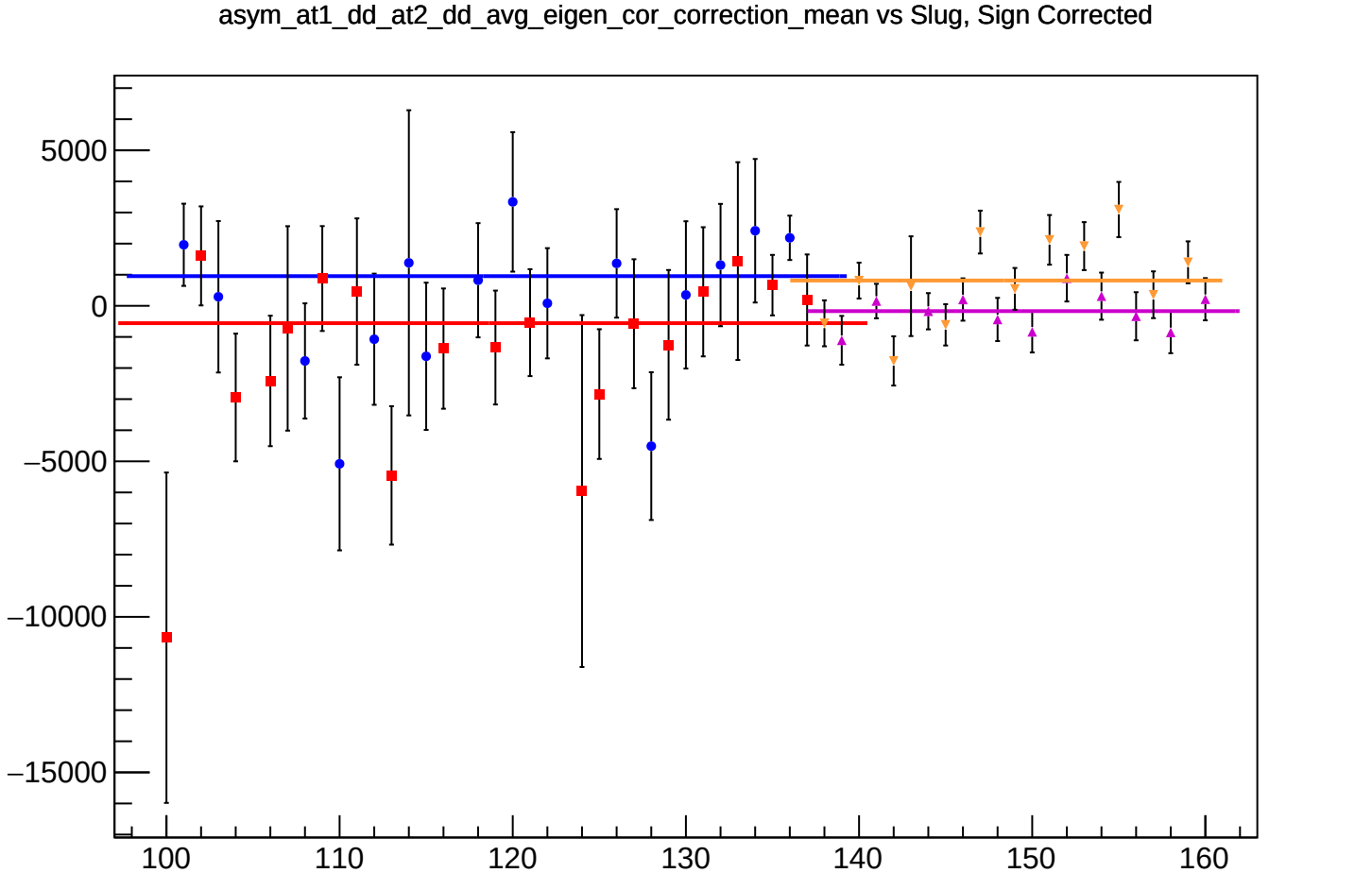
Left: 1272.122+/-0.206 χ^2/NDF: 175734.1/22

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1284.457+/-0.223 χ^2/NDF:486778.9/30

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57



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: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 300.098+/-147.684 χ^2/NDF: 54.6/22

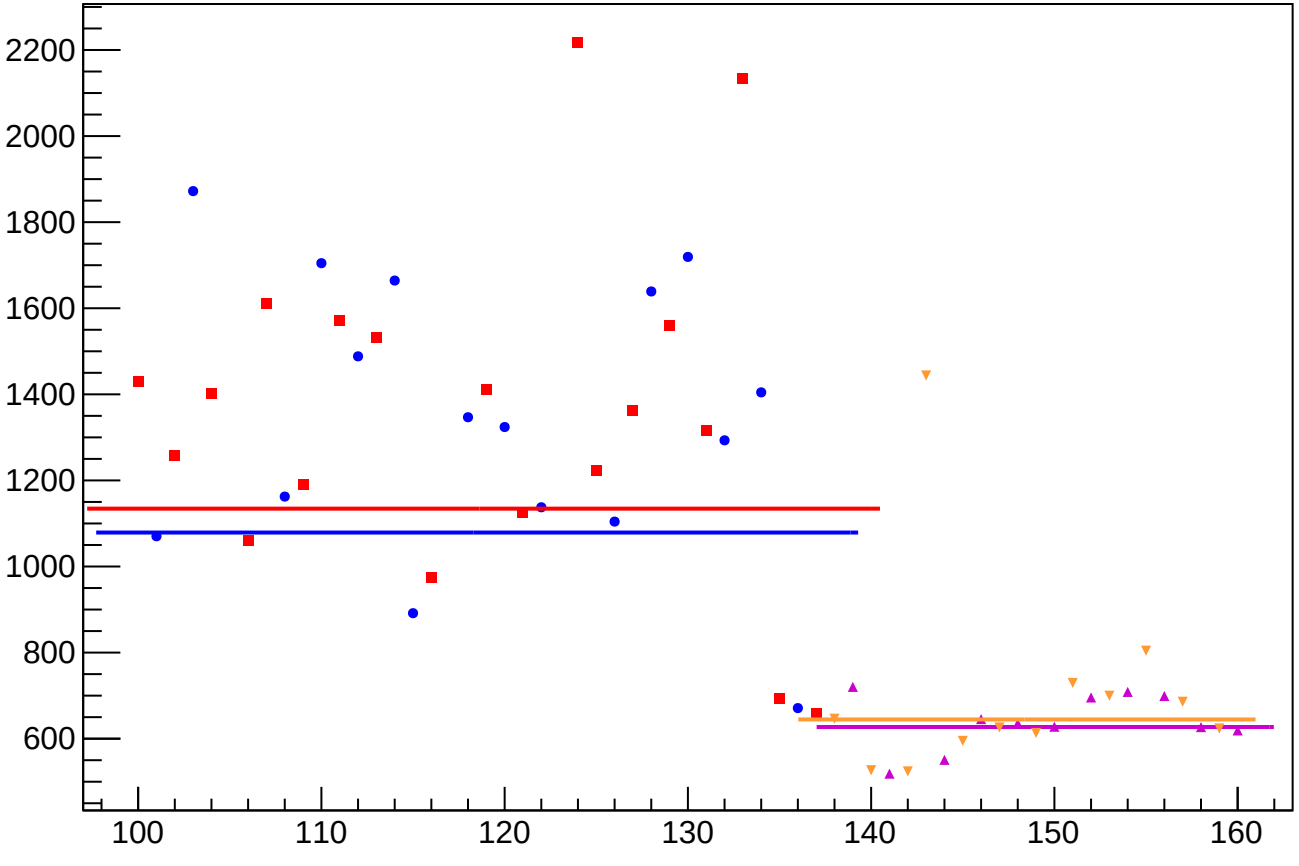
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 553.047+/-192.237 χ^2/NDF:62.7/30

All: 285.819+/-133.019 χ^2/NDF: 99.0/57

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: 627.147+/-0.145 χ^2/NDF:198335.7/10

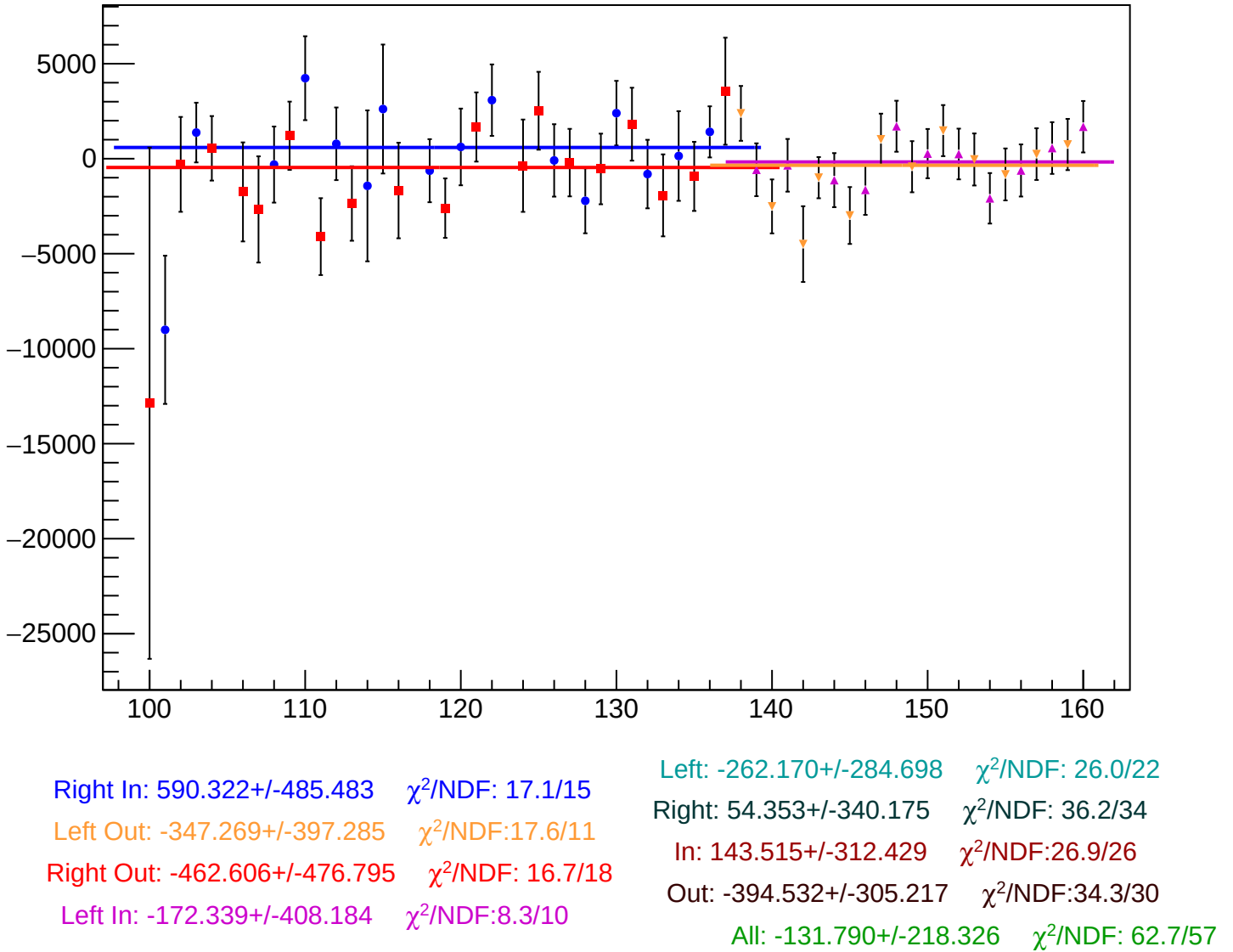
Left: 635.516+/-0.104 χ^2/NDF: 954893.7/22

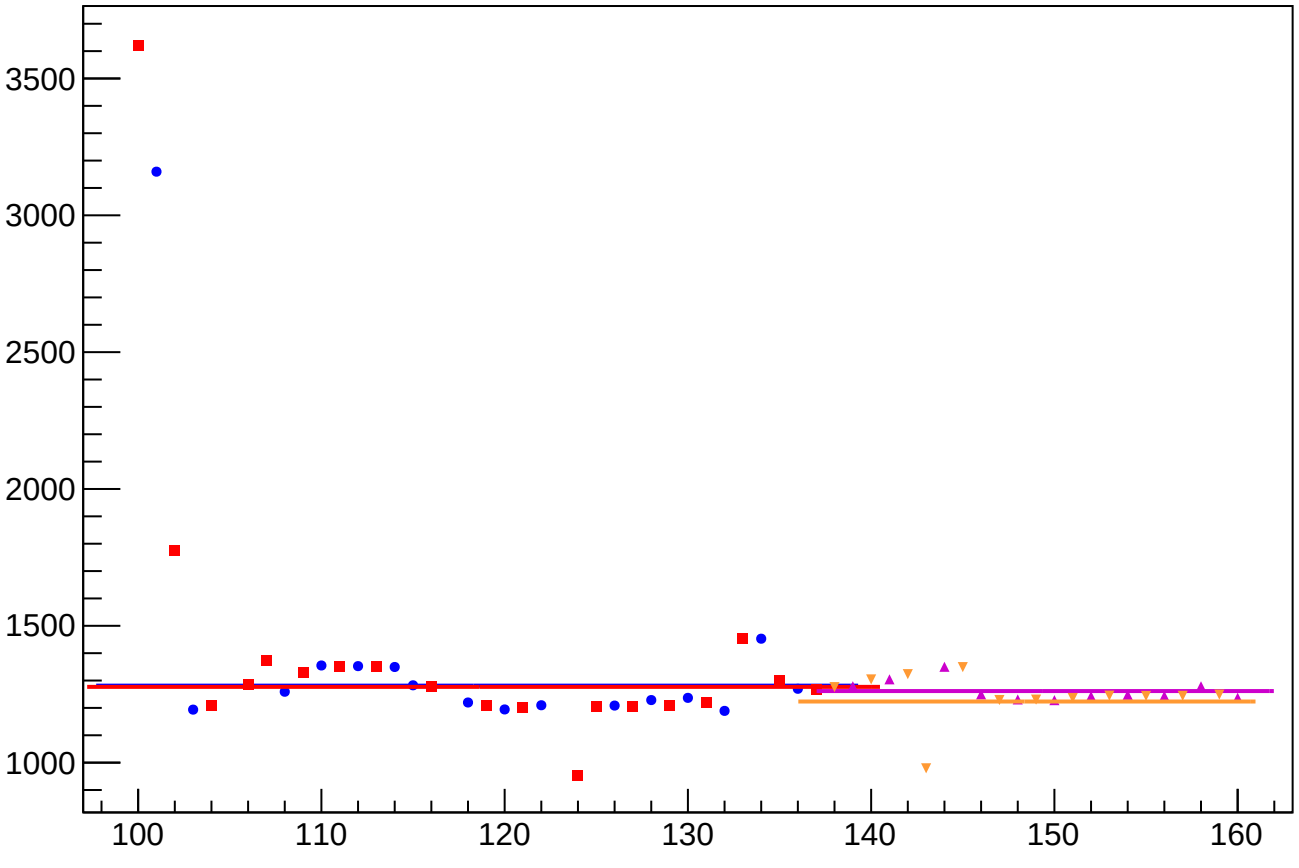
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 737.825+/-0.136 χ^2/NDF:4038204.9/30

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57


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: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -347.269+/-397.285 χ²/NDF:17.6/11
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -172.339+/-408.184 χ²/NDF:8.3/10
Left: -262.170+/-284.698 χ²/NDF: 26.0/22
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 143.515+/-312.429 χ²/NDF:26.9/26
Out: -394.532+/-305.217 χ²/NDF:34.3/30
All: -131.790+/-218.326 χ²/NDF: 62.7/57



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: 1261.566+/-0.289 χ^2/NDF:14458.7/10

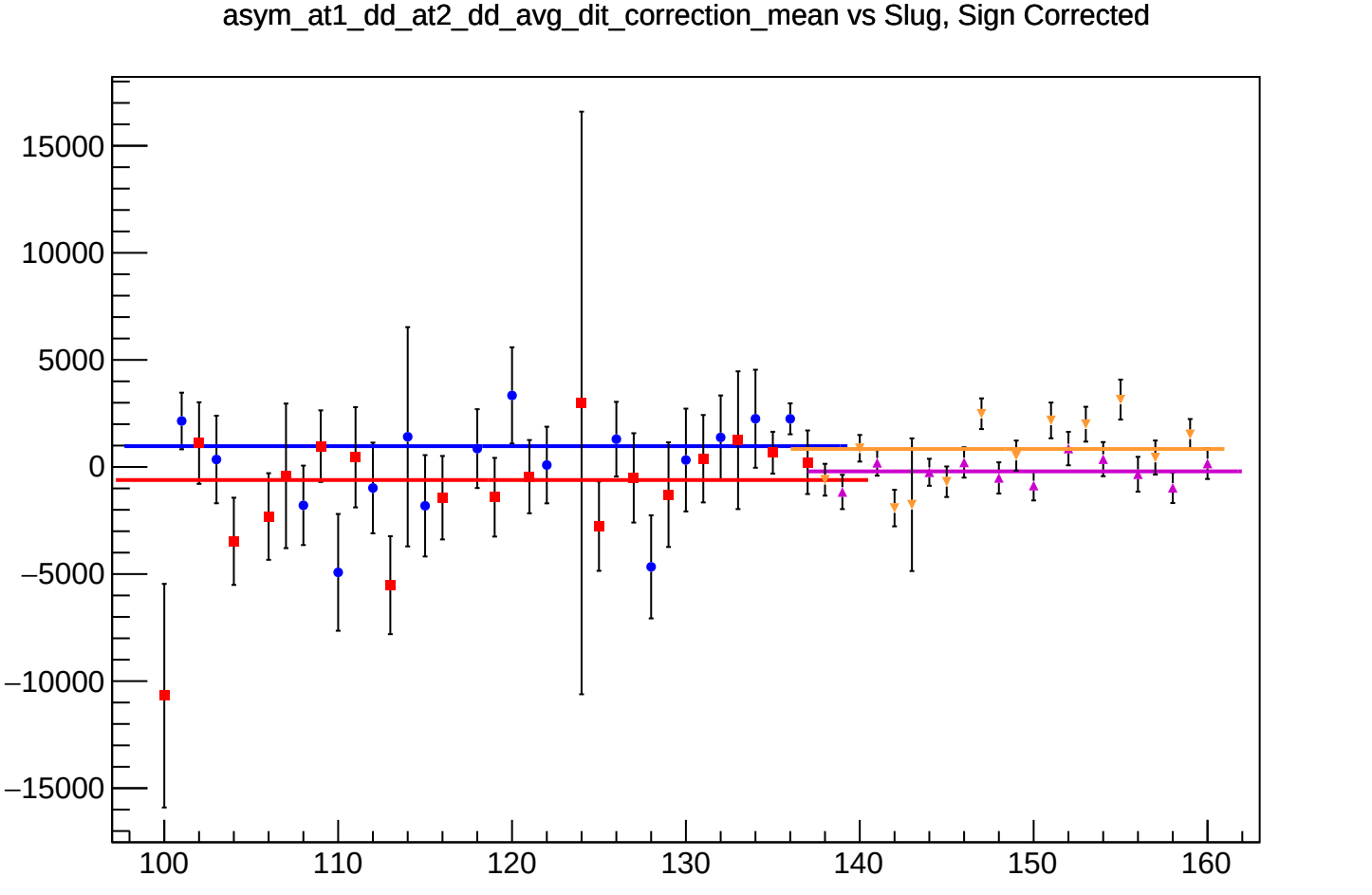
Left: 1241.951+/-0.201 χ^2/NDF: 155475.1/22

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1269.767+/-0.221 χ^2/NDF:523486.7/26

Out: 1245.289+/-0.216 χ^2/NDF:367393.9/30

All: 1257.242+/-0.154 χ^2/NDF: 897162.1/57



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: -204.796+/-216.071 χ^2/NDF:7.1/10

Left: 292.602+/-156.433 χ^2/NDF: 55.1/22

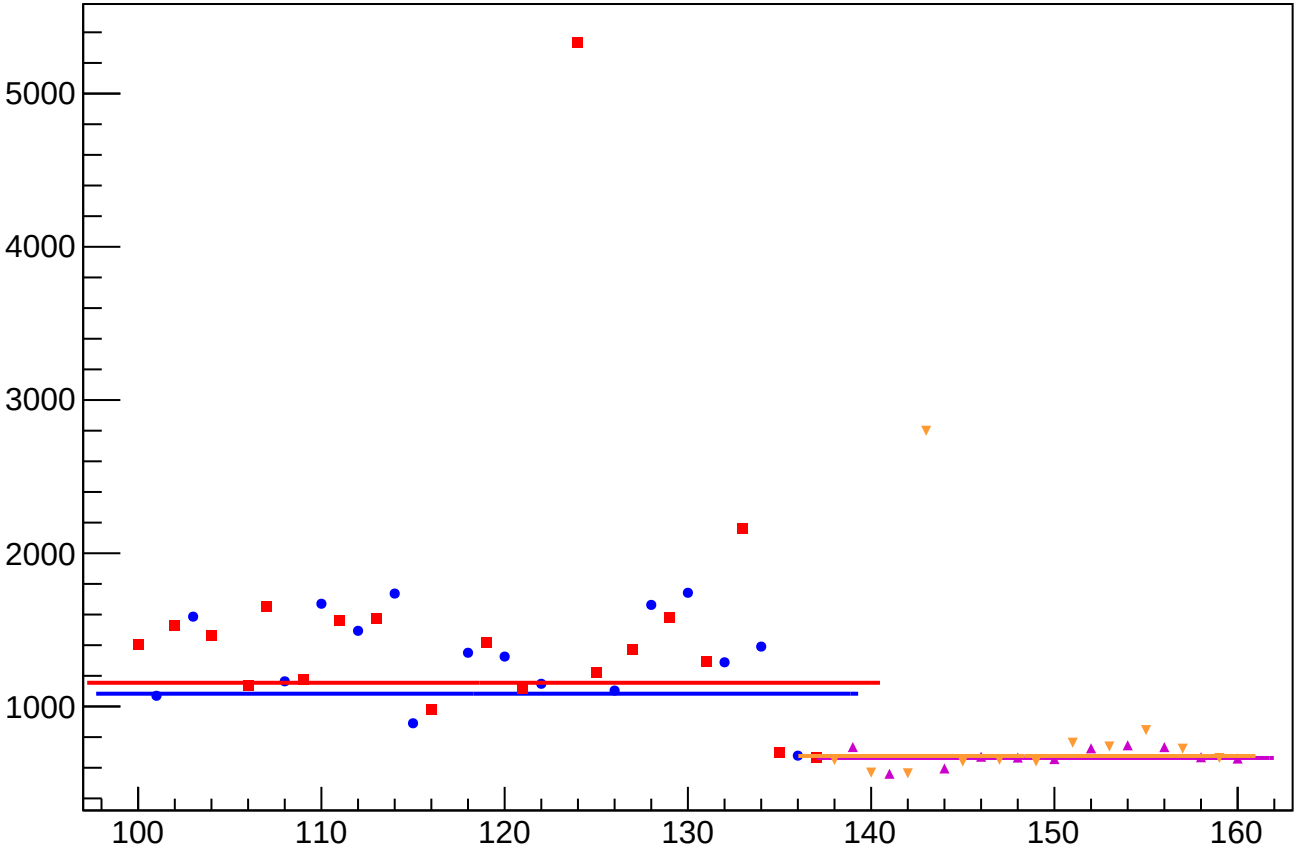
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 36.762+/-192.628 χ^2/NDF:33.7/26

Out: 544.688+/-202.306 χ^2/NDF:62.3/30

All: 278.286+/-139.505 χ^2/NDF: 99.2/57

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 677.014+/-0.160 χ^2/NDF:1156302.0/11

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

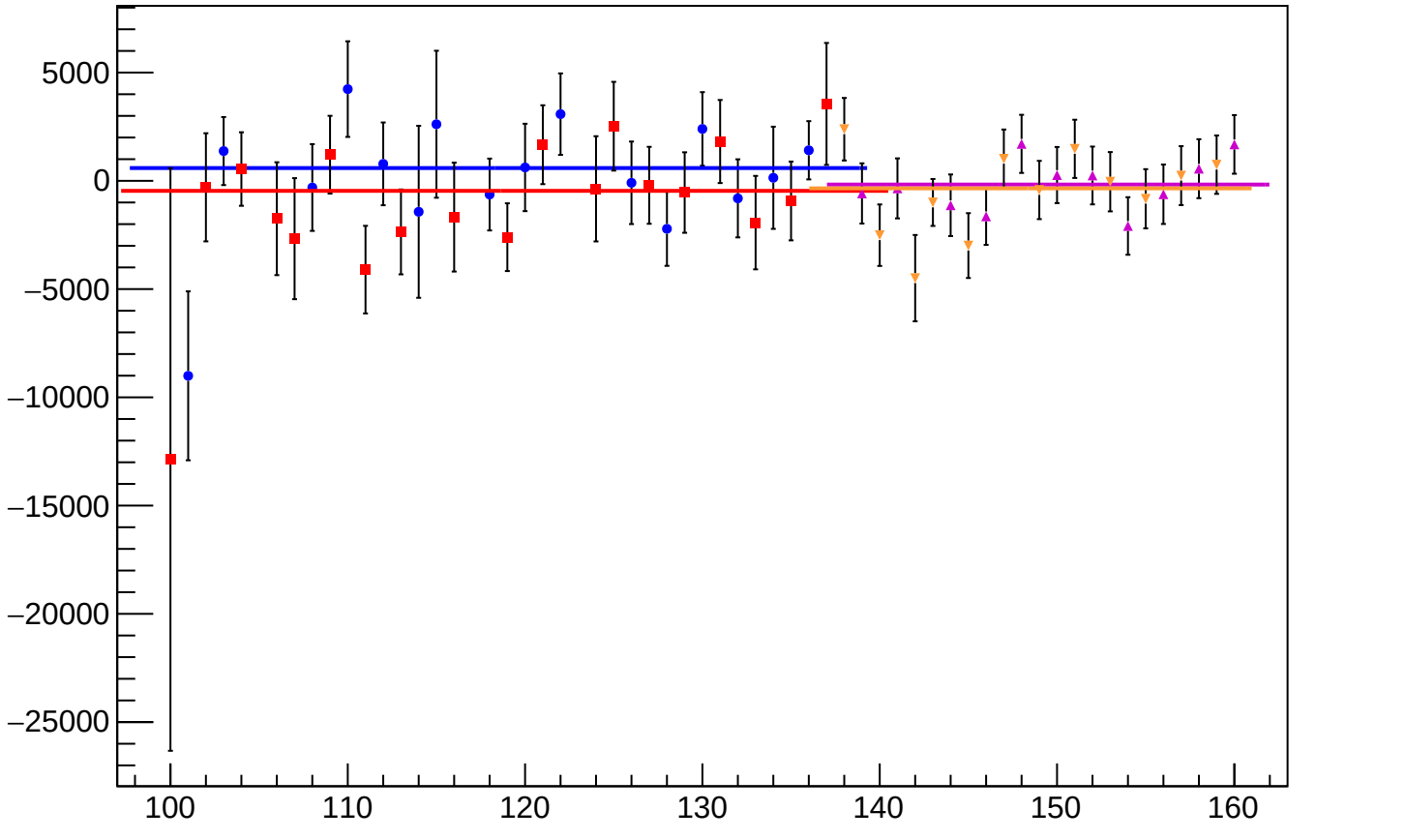
Left: 670.204+/-0.111 χ^2/NDF: 1308770.2/22

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 750.072+/-0.136 χ^2/NDF:3054894.9/26

Out: 774.545+/-0.143 χ^2/NDF:4456541.6/30

All: 761.709+/-0.099 χ^2/NDF: 7526786.6/57



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: -172.339+/-408.184 χ^2/NDF:8.3/10

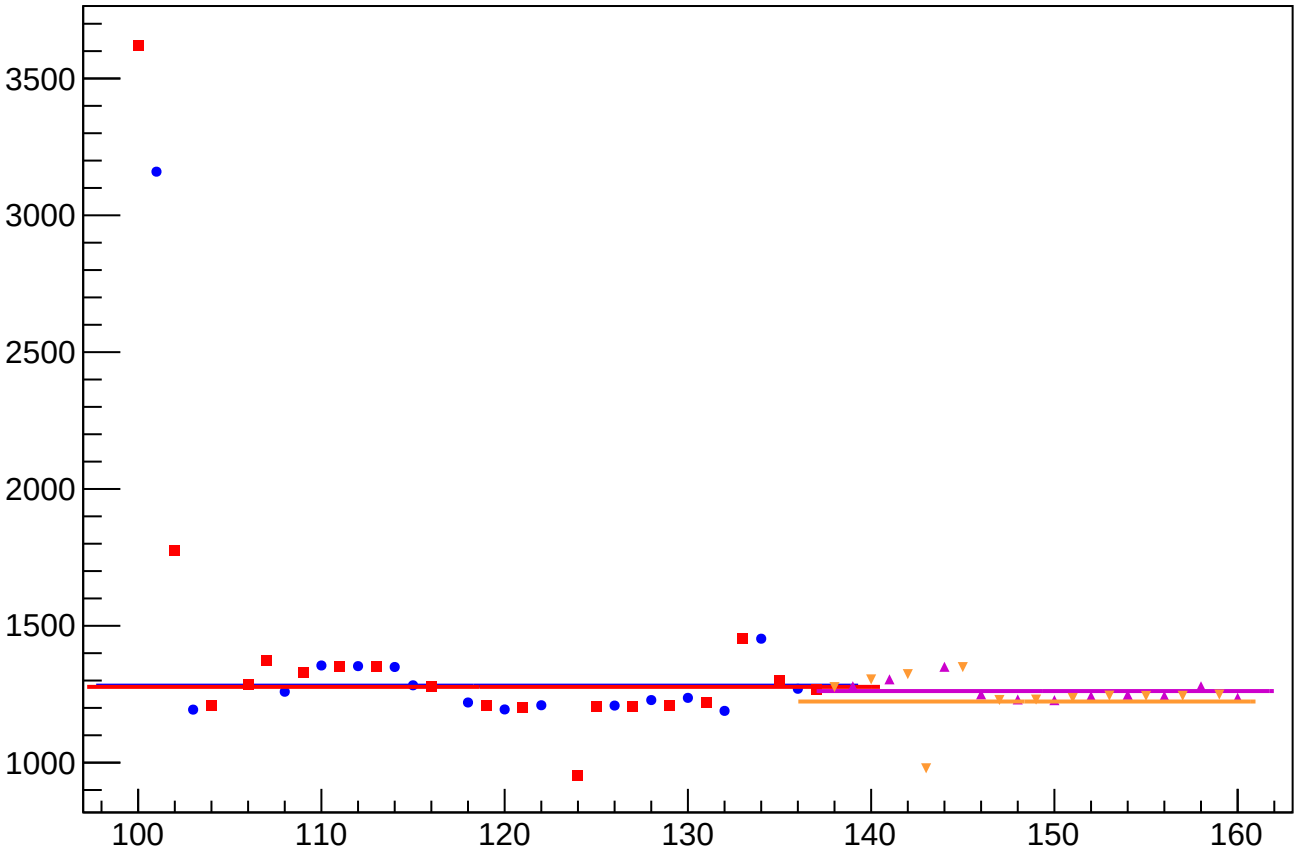
Left: -262.171+/-284.698 χ^2/NDF: 26.0/22

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 143.515+/-312.429 χ^2/NDF:26.9/26

Out: -394.532+/-305.217 χ^2/NDF:34.3/30

All: -131.790+/-218.326 χ^2/NDF: 62.7/57



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: 1261.566+/-0.289 χ^2/NDF:14458.7/10

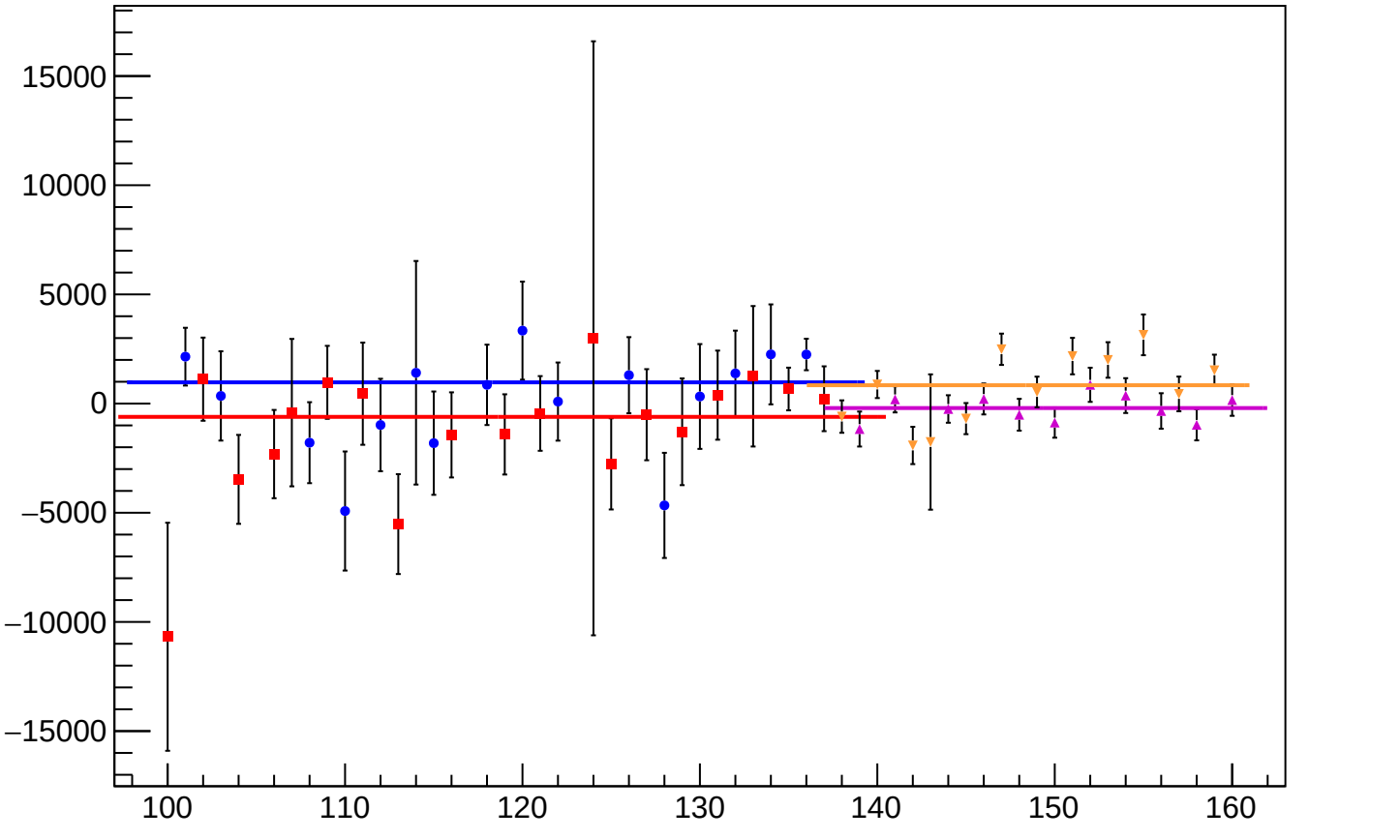
Left: 1241.951+/-0.201 χ^2/NDF: 155474.4/22

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1269.767+/-0.221 χ^2/NDF:523486.9/26

Out: 1245.289+/-0.216 χ^2/NDF:367392.9/30

All: 1257.242+/-0.154 χ^2/NDF: 897161.2/57



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: -204.795+/-216.071 χ^2/NDF:7.1/10

Left: 292.603+/-156.433 χ^2/NDF: 55.1/22

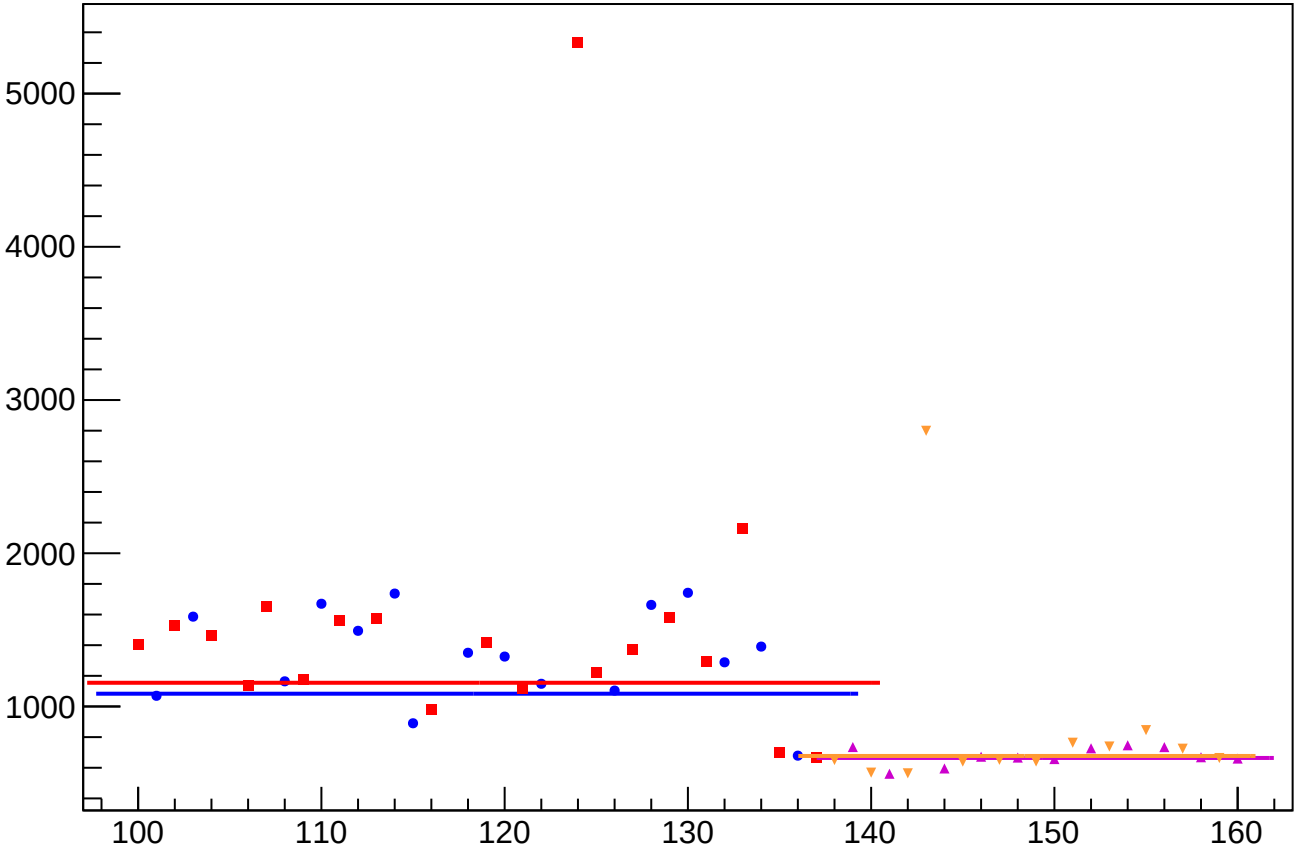
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 36.761+/-192.628 χ^2/NDF:33.7/26

Out: 544.690+/-202.307 χ^2/NDF:62.3/30

All: 278.286+/-139.505 χ^2/NDF: 99.2/57

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: 664.022+/-0.153 χ^2/NDF:149029.5/10

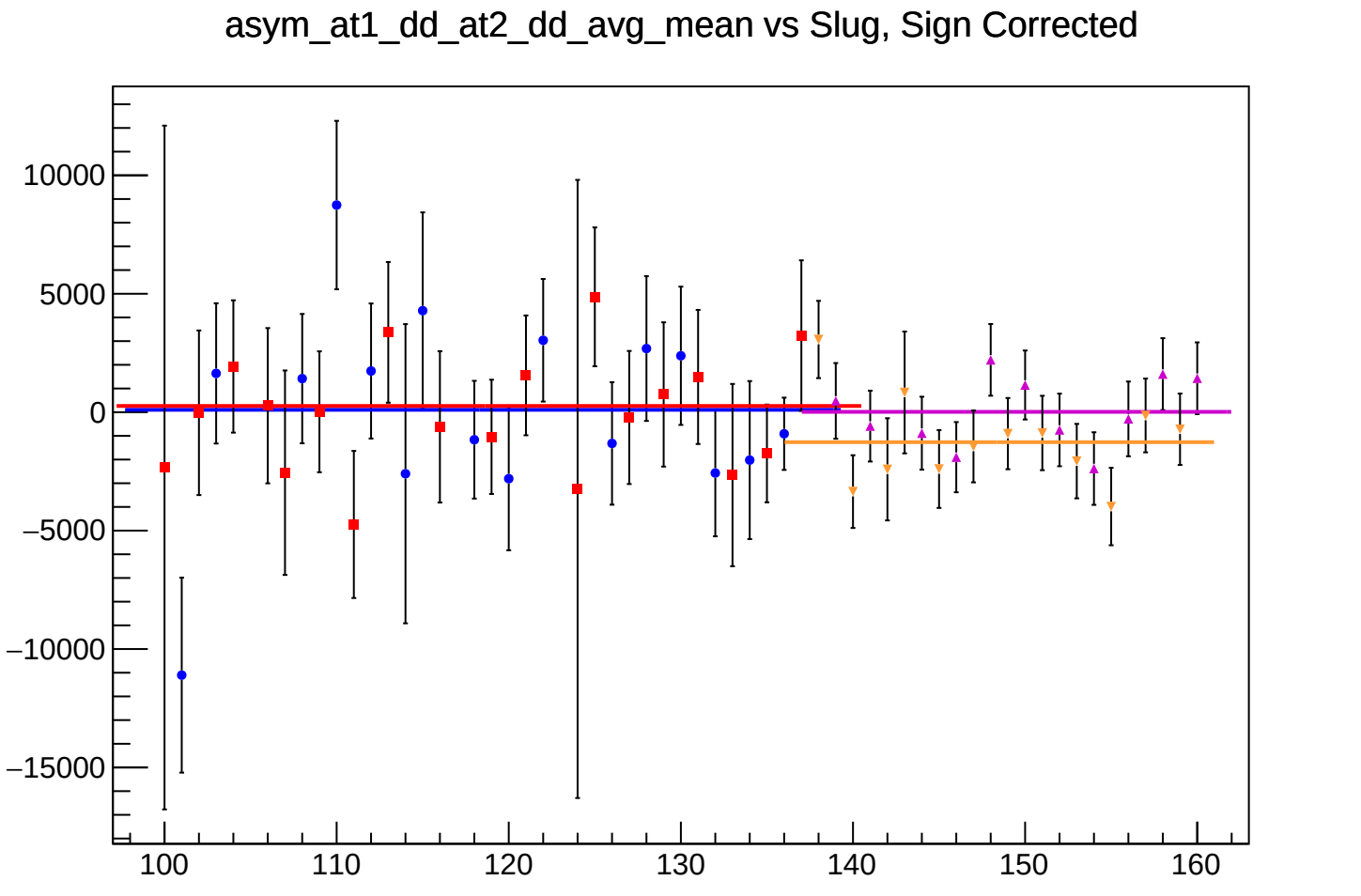
Left: 670.205+/-0.111 χ^2/NDF: 1308764.5/22

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 750.074+/-0.136 χ^2/NDF:3054874.4/26

Out: 774.548+/-0.143 χ^2/NDF:4456507.5/30

All: 761.711+/-0.099 χ^2/NDF: 7526733.7/57



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: 14.145+/-458.917 χ^2/NDF:9.7/10

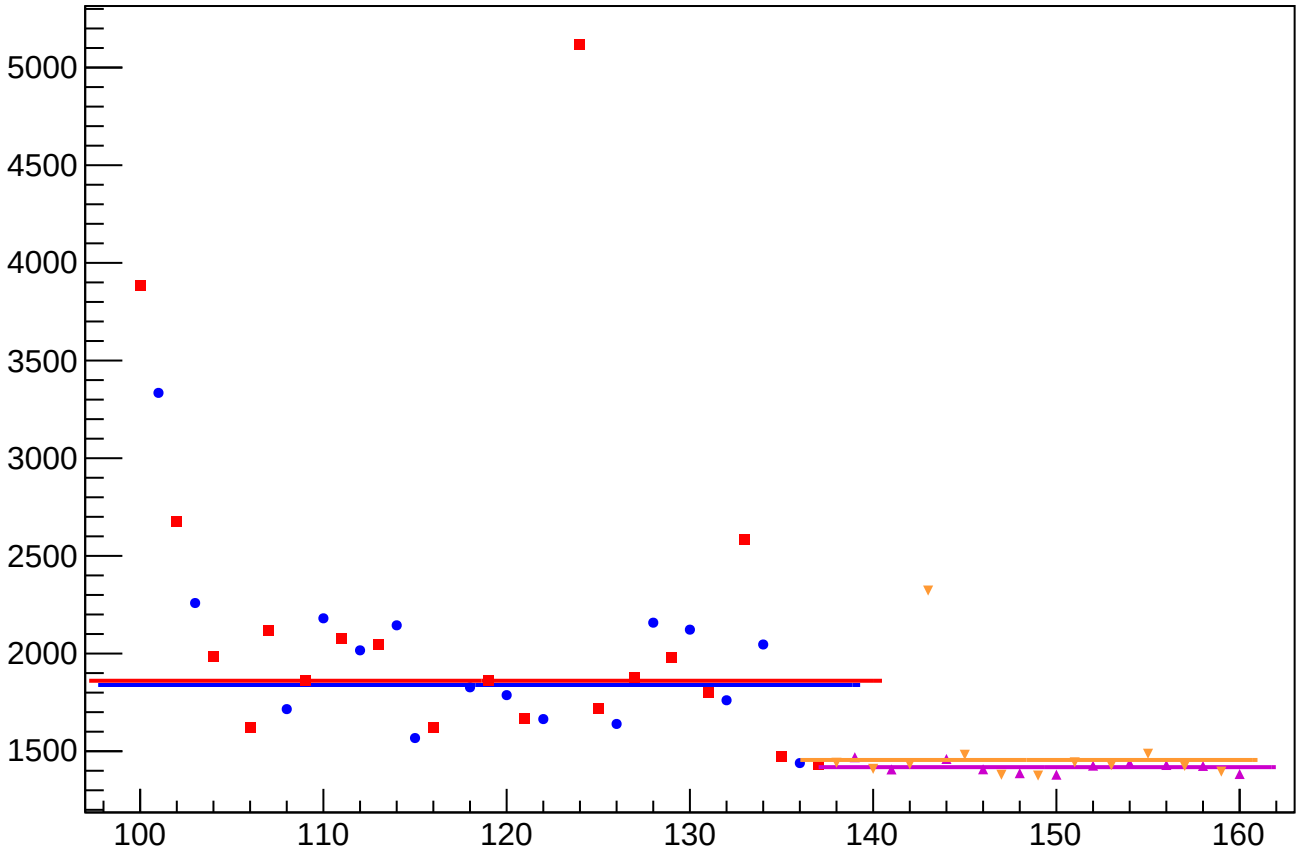
Left: -605.321+/-329.731 χ^2/NDF: 27.6/22

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 40.142+/-383.624 χ^2/NDF:31.0/26

Out: -785.305+/-392.477 χ^2/NDF:27.7/30

All: -363.167+/-274.340 χ^2/NDF: 61.0/57



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: 1418.484+/-0.325 χ^2/NDF:7579.7/10

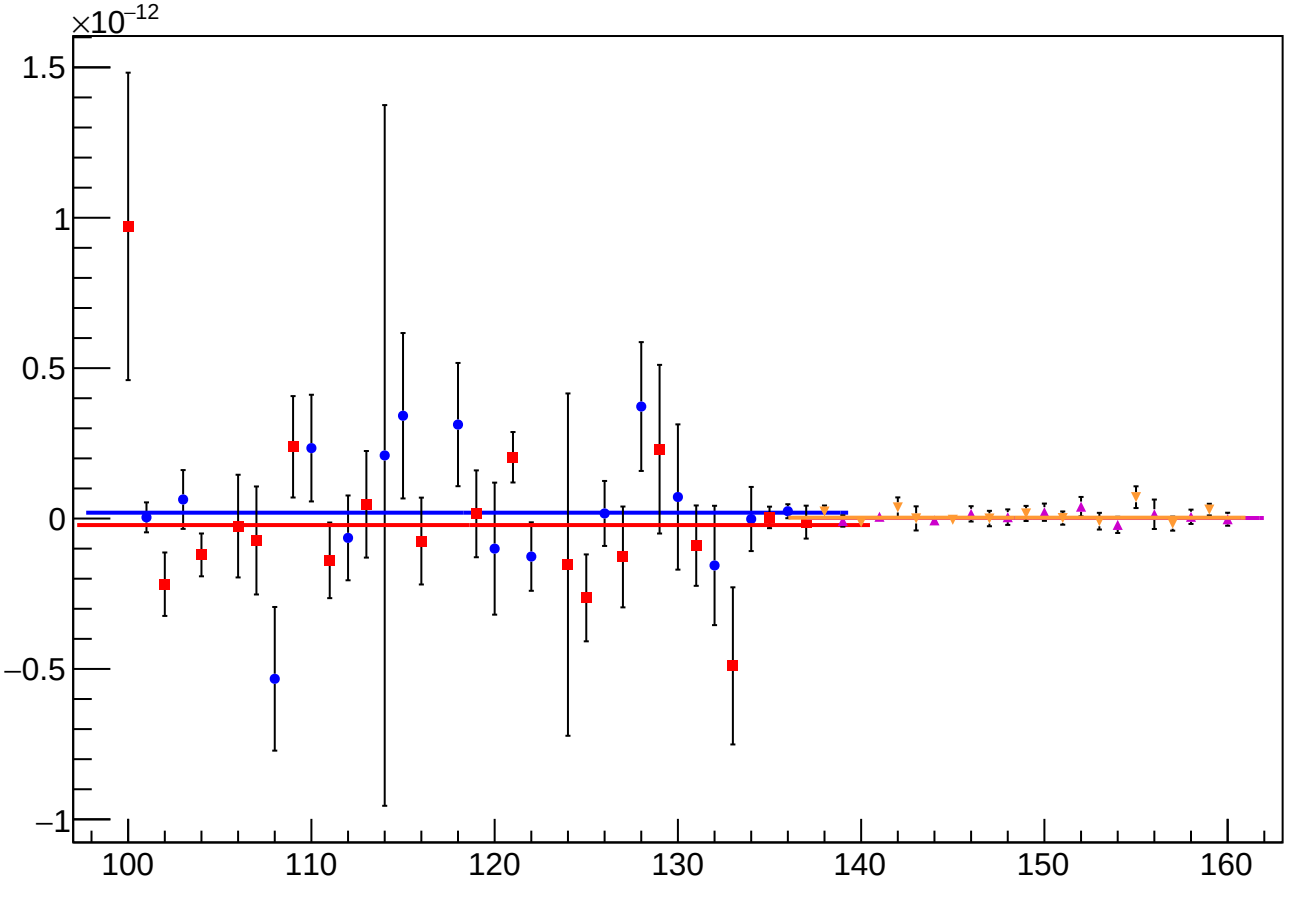
Left: 1436.285+/-0.233 χ^2/NDF: 259813.5/22

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1545.185+/-0.271 χ^2/NDF:1070408.6/26

Out: 1582.850+/-0.278 χ^2/NDF:1228427.5/30

All: 1563.588+/-0.194 χ^2/NDF: 2308256.2/57



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:3.7/10

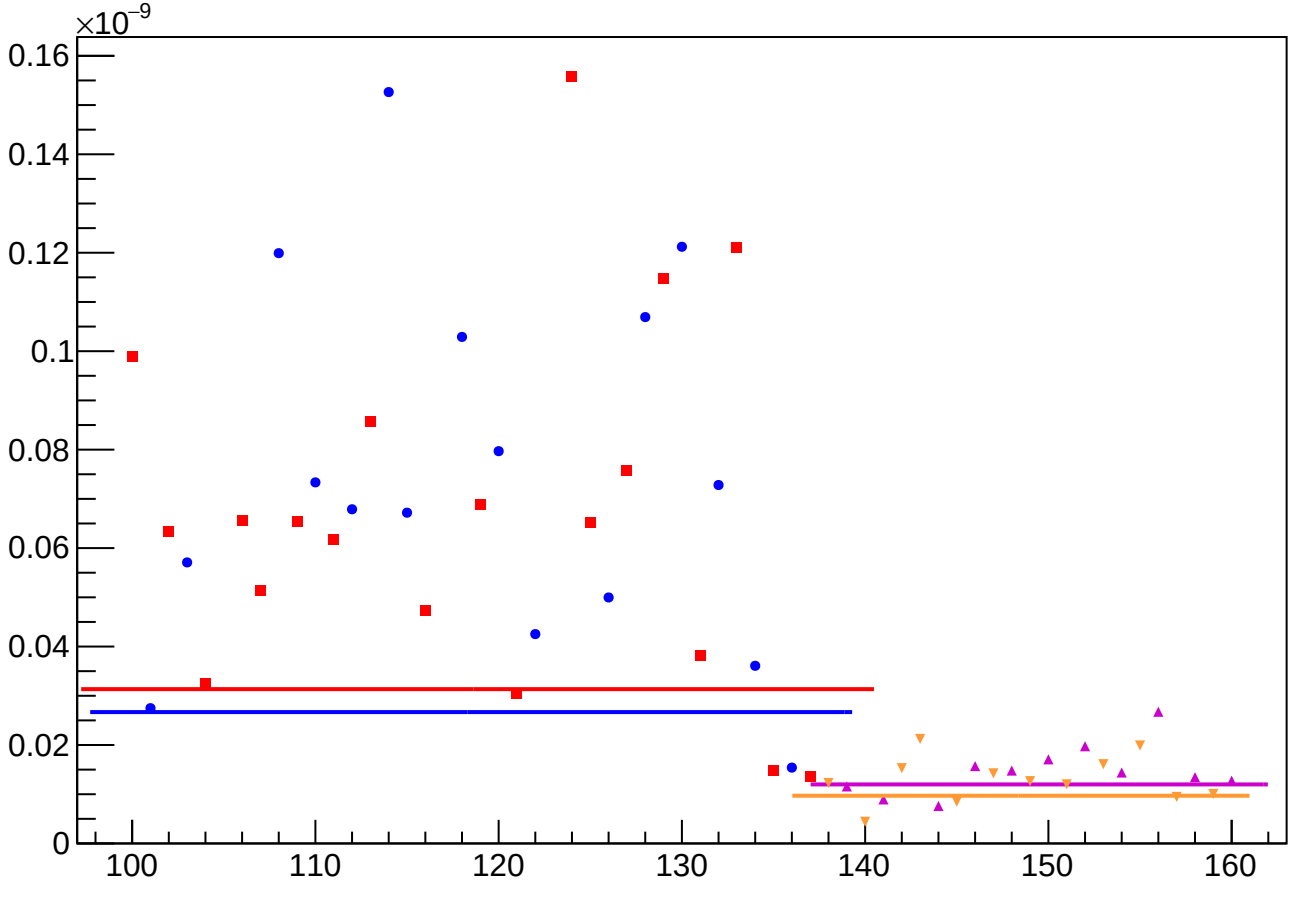
Left: 0.000+/-0.000 χ^2/NDF: 14.8/22

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.9/26

Out: 0.000+/-0.000 χ^2/NDF:40.4/30

All: 0.000+/-0.000 χ^2/NDF: 61.4/57



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:740193.6/10

Left: 0.000+/-0.000 χ^2/NDF: 2012565.5/22

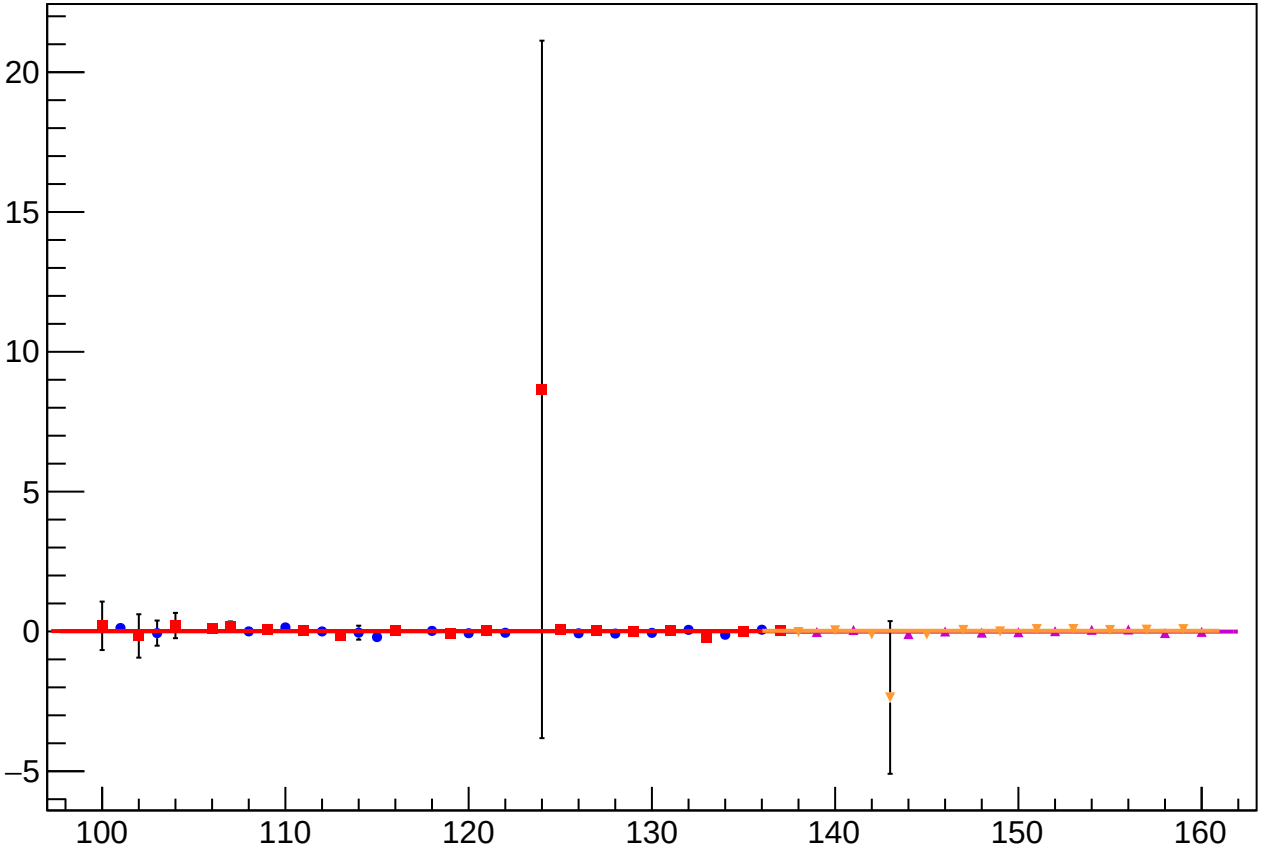
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4408506.1/26

Out: 0.000+/-0.000 χ^2/NDF:5175024.1/30

All: 0.000+/-0.000 χ^2/NDF: 9757226.6/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

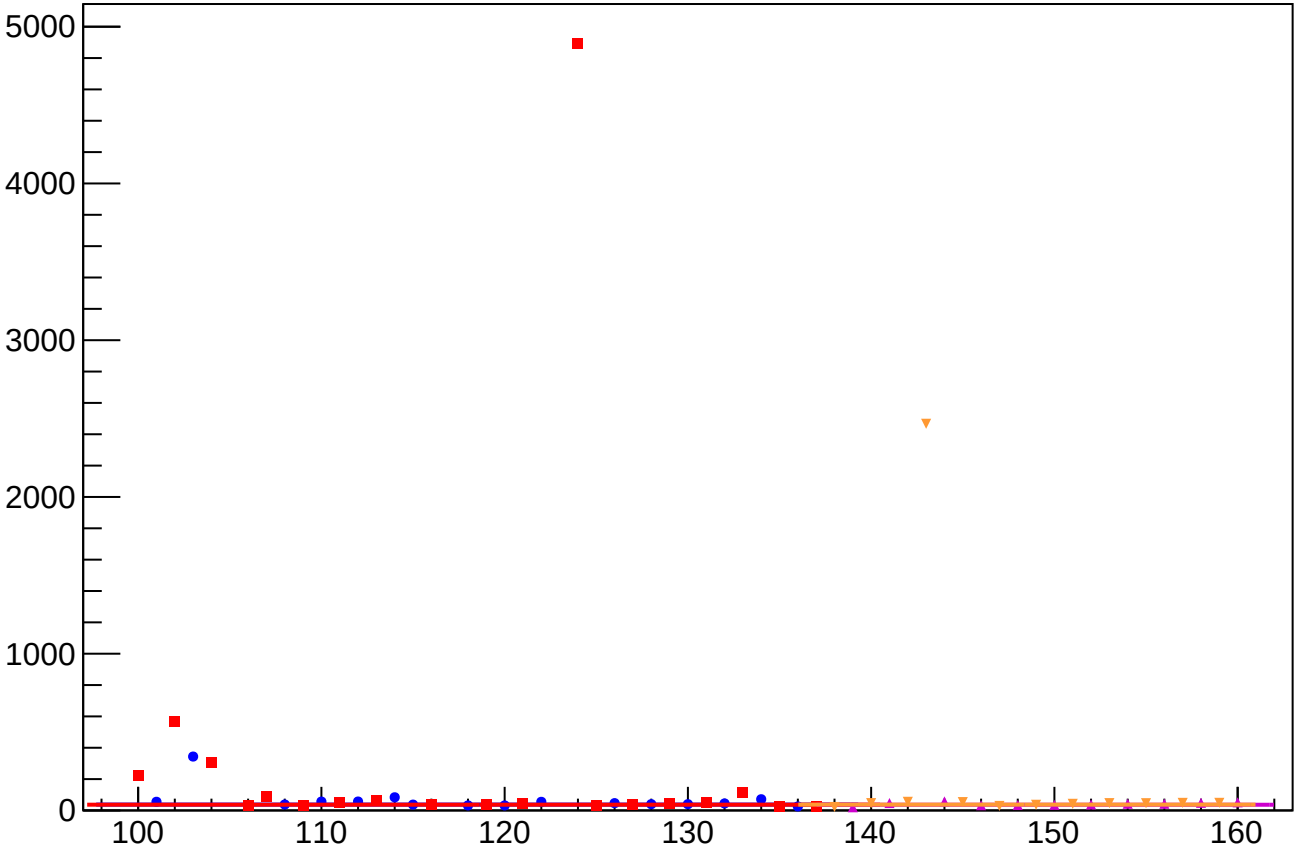
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.387+/-0.009 χ^2/NDF:1340802.6/10

Left: 36.807+/-0.007 χ^2/NDF: 4215869.1/22

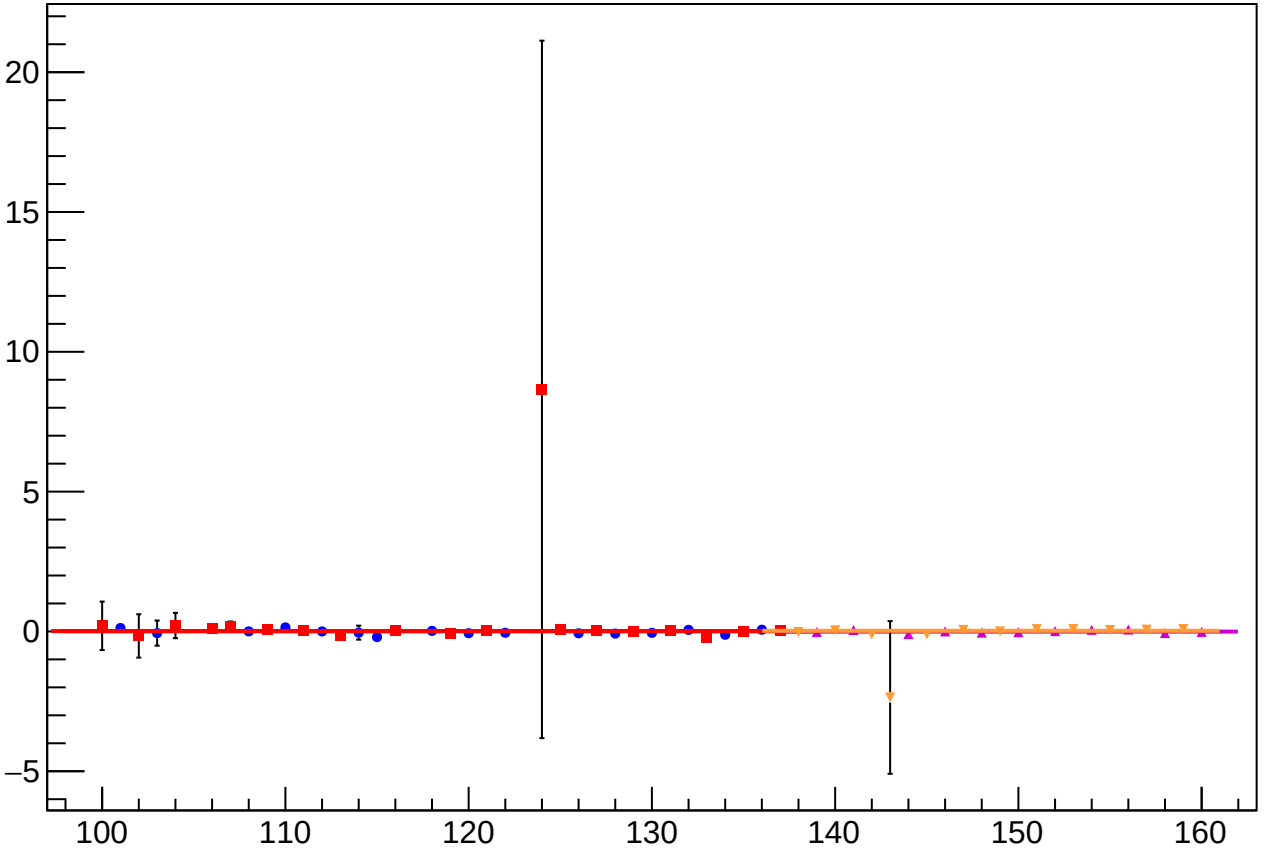
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

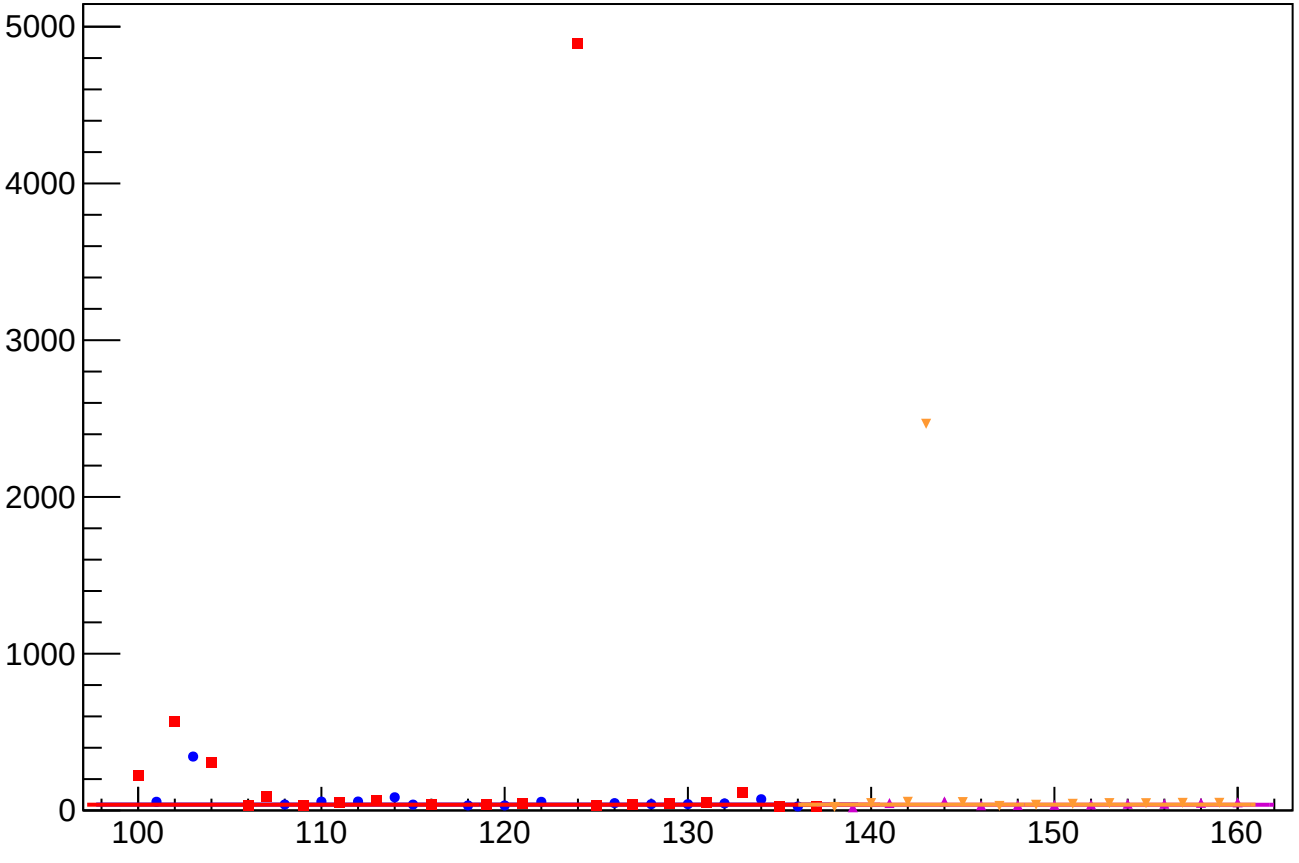
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.387+/-0.009 χ^2/NDF:1340802.6/10

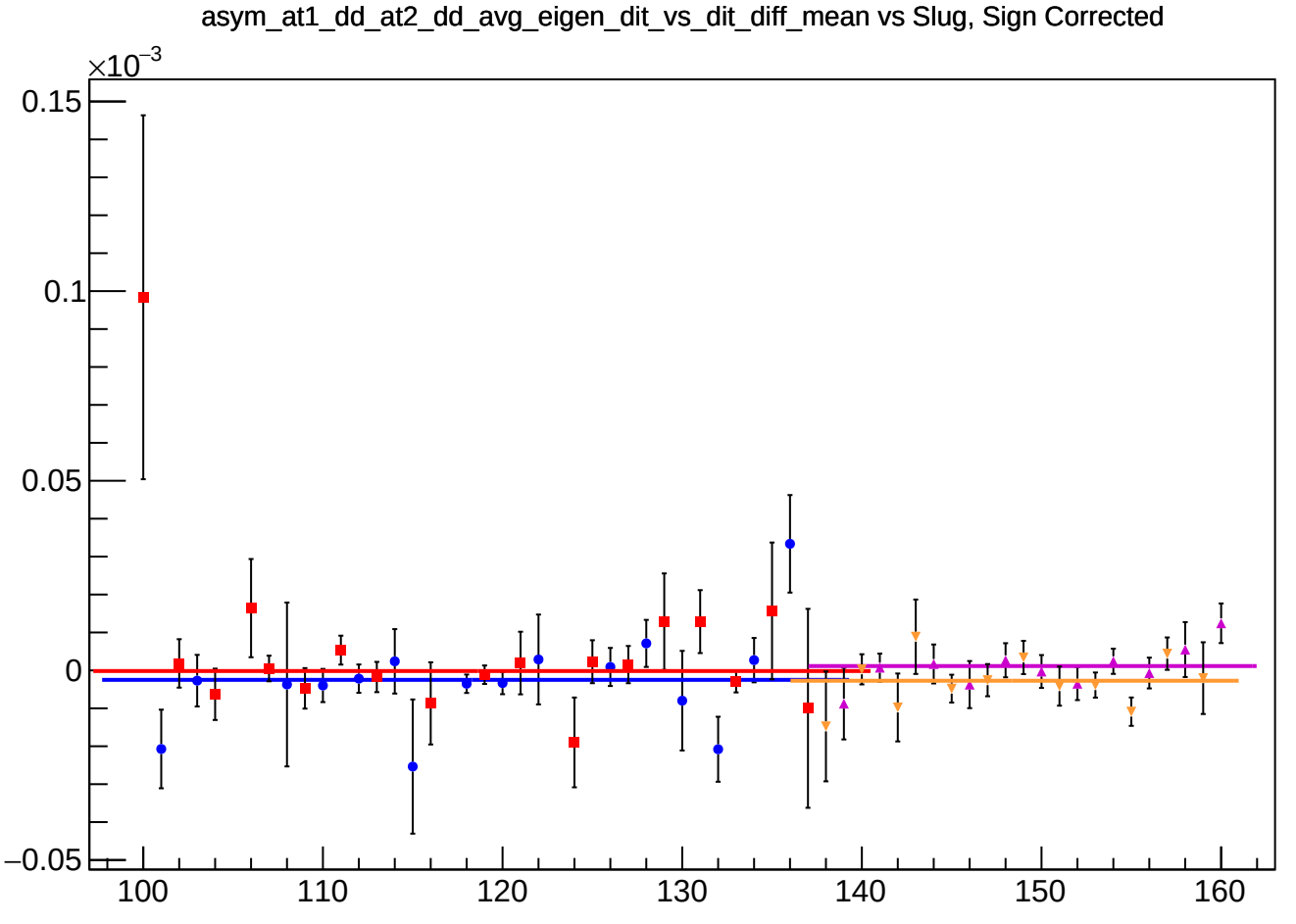
Left: 36.807+/-0.007 χ^2/NDF: 4215869.1/22

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.071+/-0.008 χ^2/NDF:6062464.5/30

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57



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:8.5/10

Left: -0.000+/-0.000 χ^2/NDF: 25.8/22

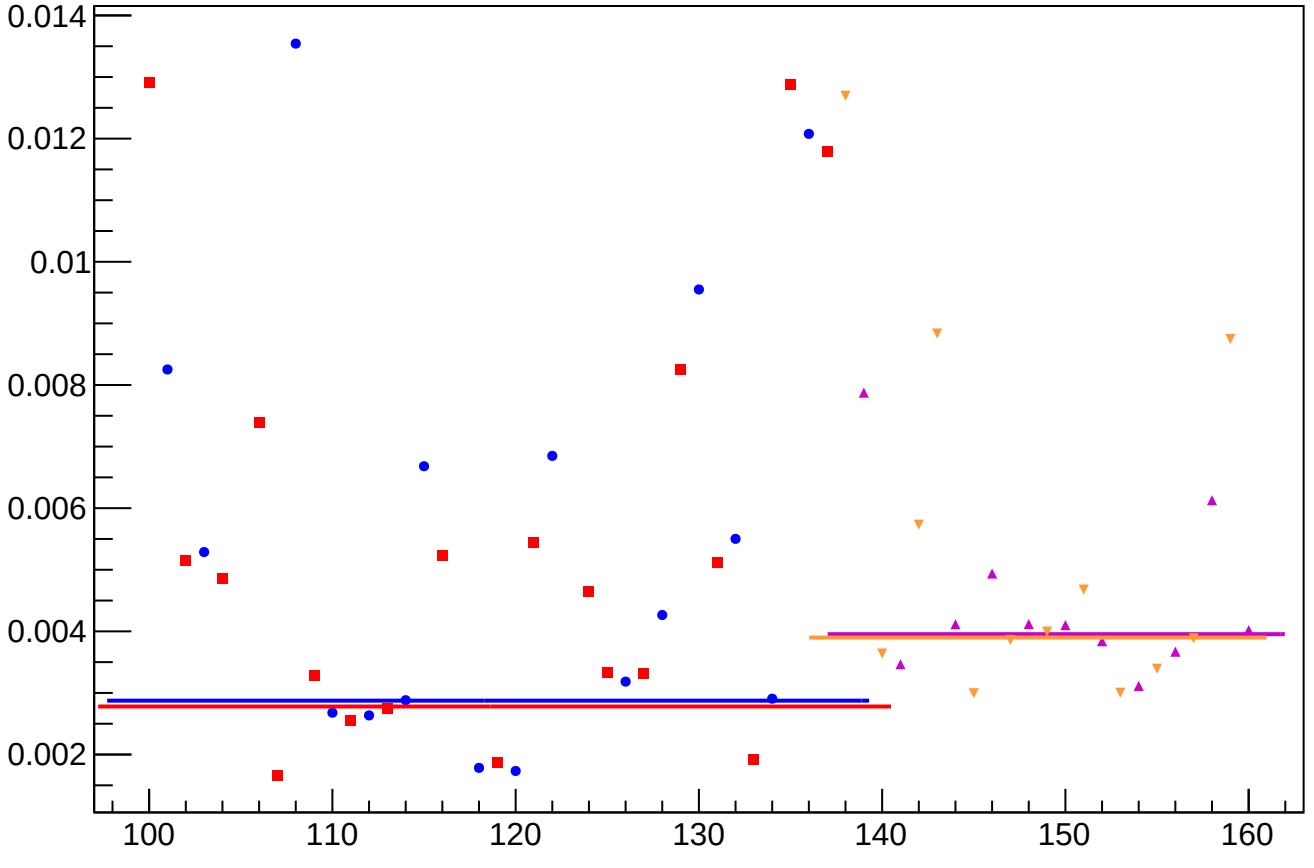
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.0/26

Out: -0.000+/-0.000 χ^2/NDF:34.2/30

All: -0.000+/-0.000 χ^2/NDF: 68.3/57

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:756069.8/10

Left: 0.004+/-0.000 χ^2/NDF: 2969633.4/22

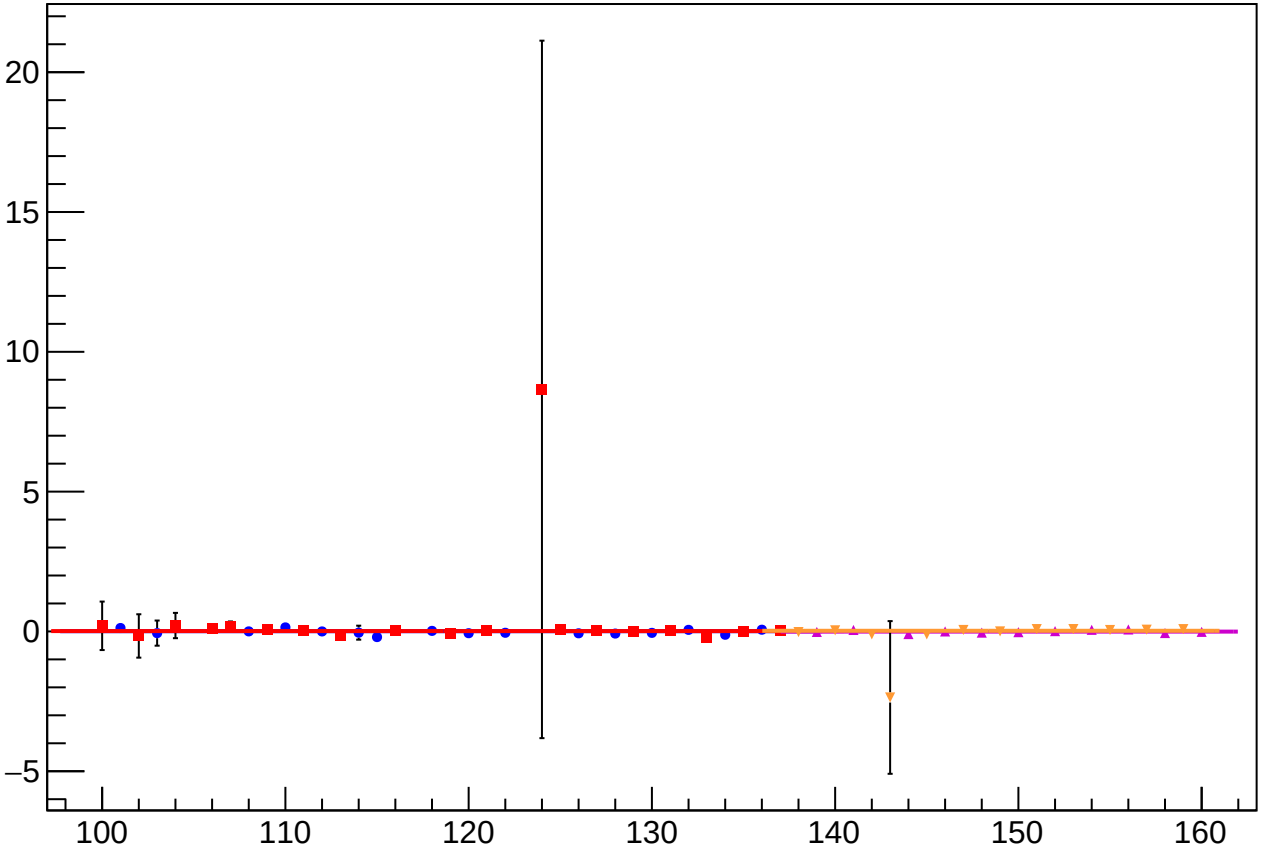
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5545492.1/26

Out: 0.003+/-0.000 χ^2/NDF:6298746.0/30

All: 0.003+/-0.000 χ^2/NDF: 11861383.2/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

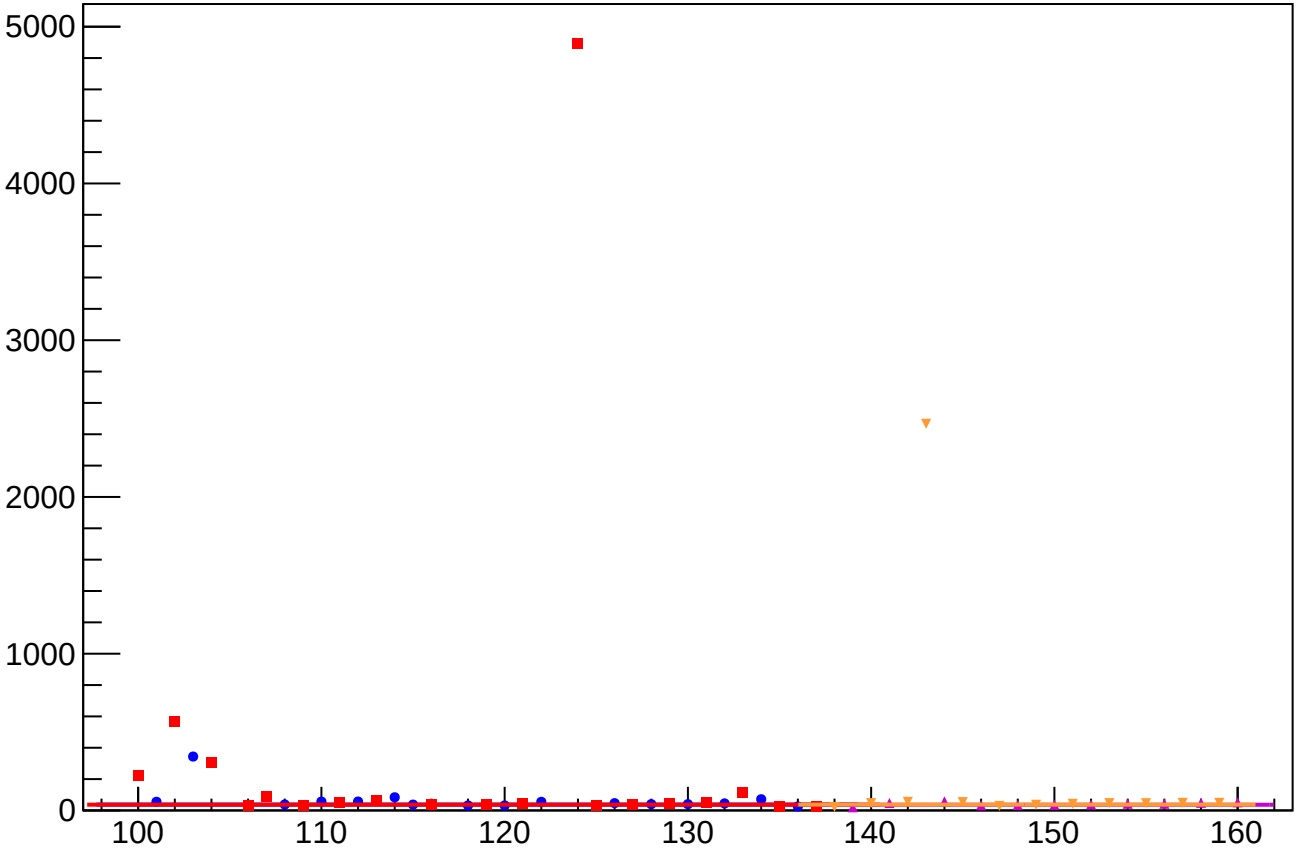
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.390+/-0.009 χ^2/NDF:1339766.7/10

Left: 36.808+/-0.007 χ^2/NDF: 4215372.9/22

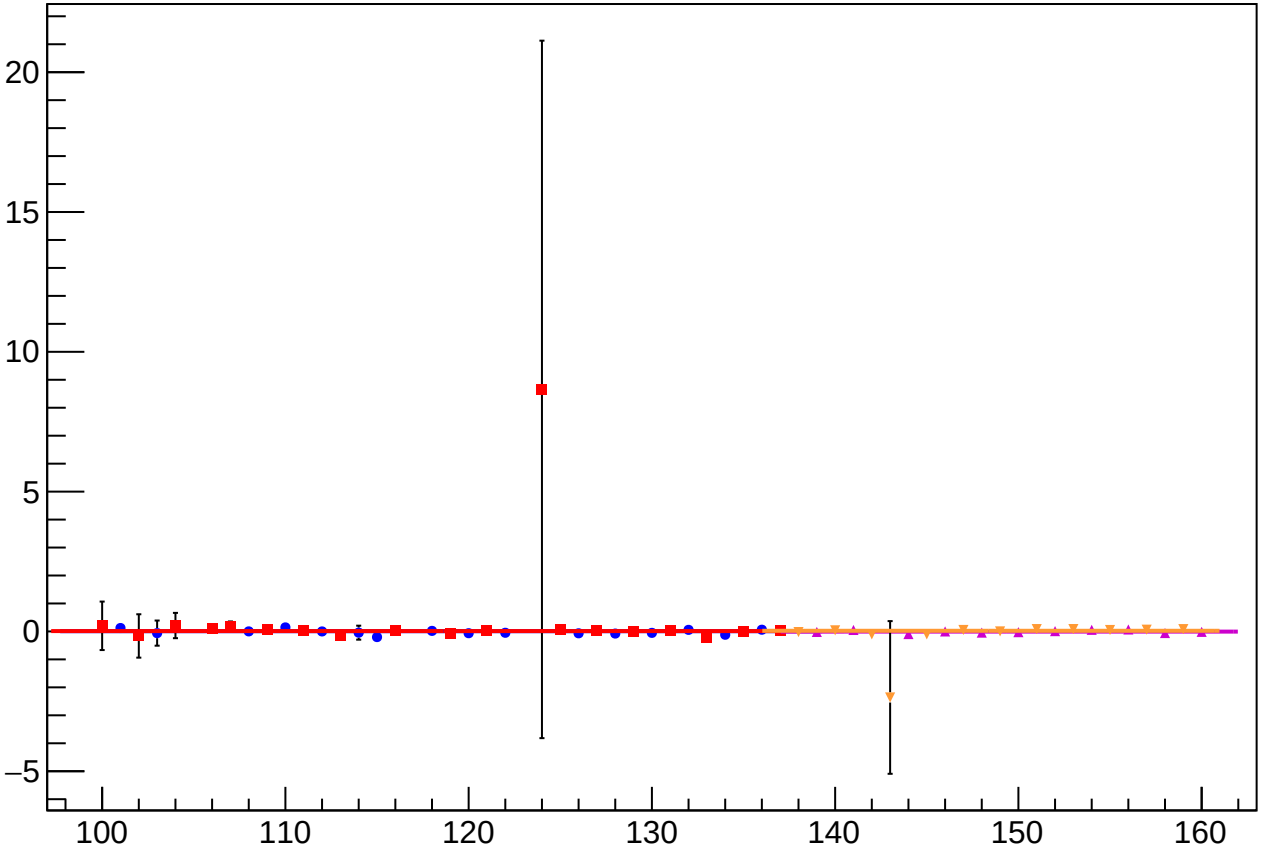
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57

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:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/22

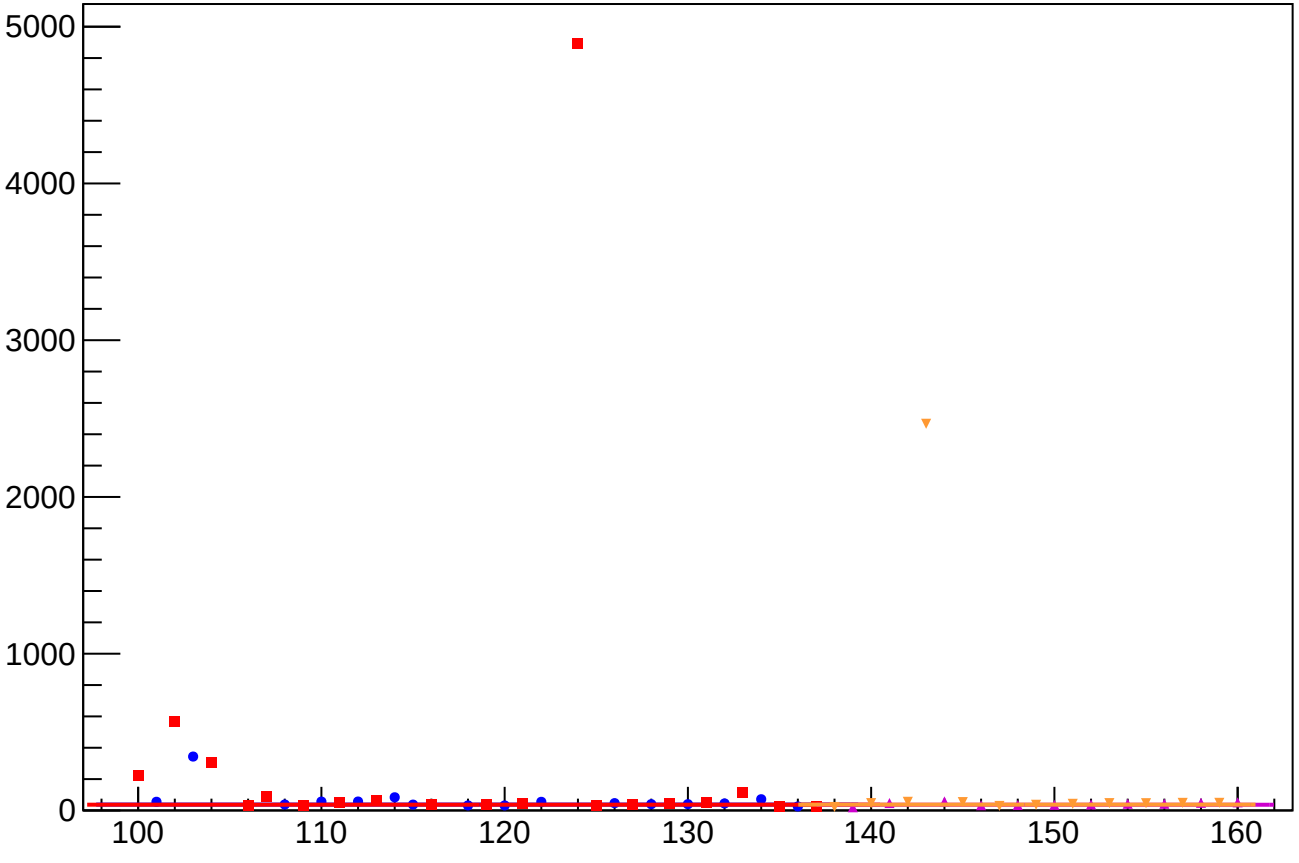
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.019+/-0.011 χ^2/NDF:29.0/30

All: 0.009+/-0.007 χ^2/NDF: 60.2/57

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: 36.390+/-0.009 χ^2/NDF:1339766.7/10

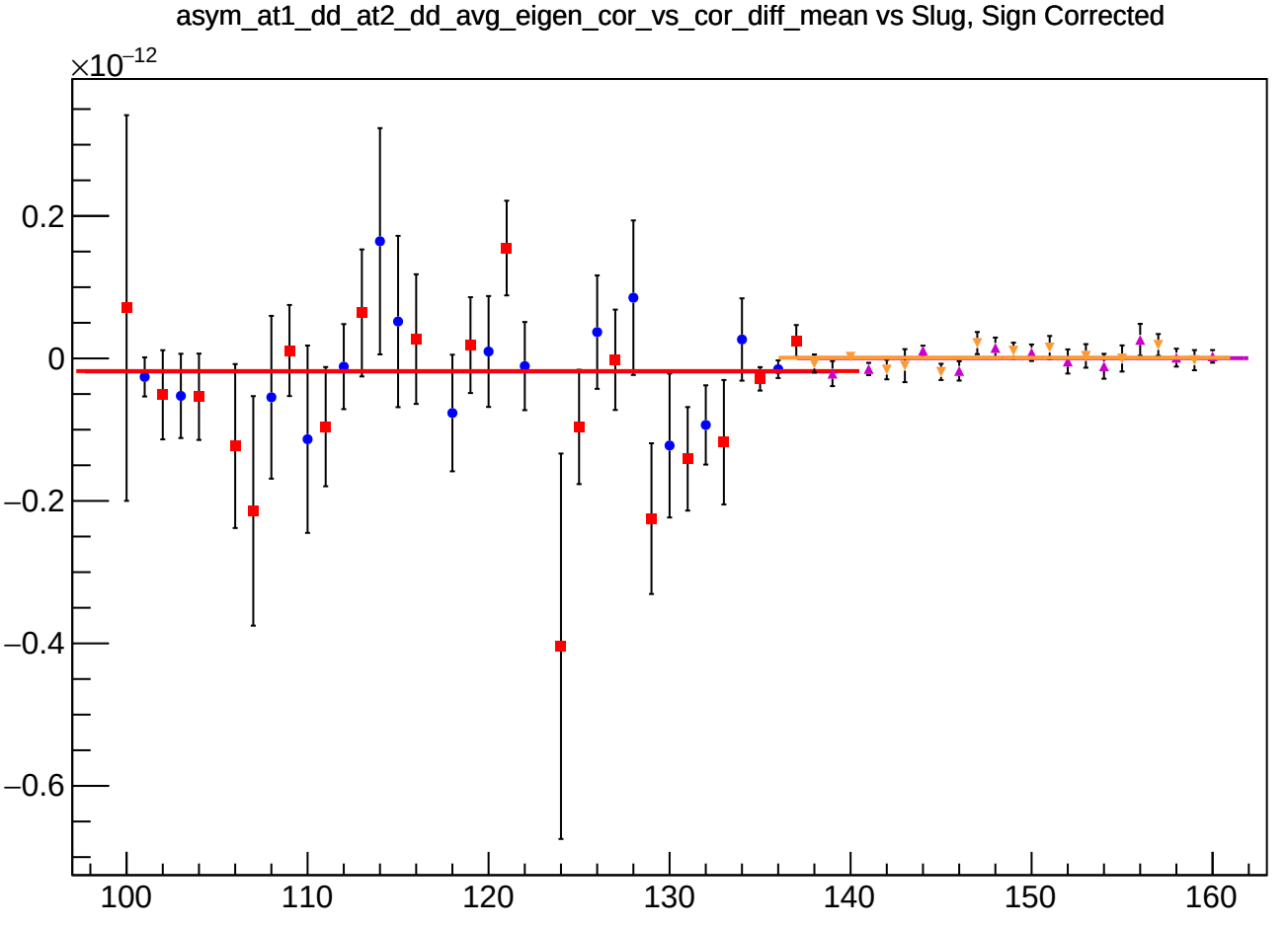
Left: 36.808+/-0.007 χ^2/NDF: 4215372.9/22

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.070+/-0.008 χ^2/NDF:6062743.9/30

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57



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:11.9/10

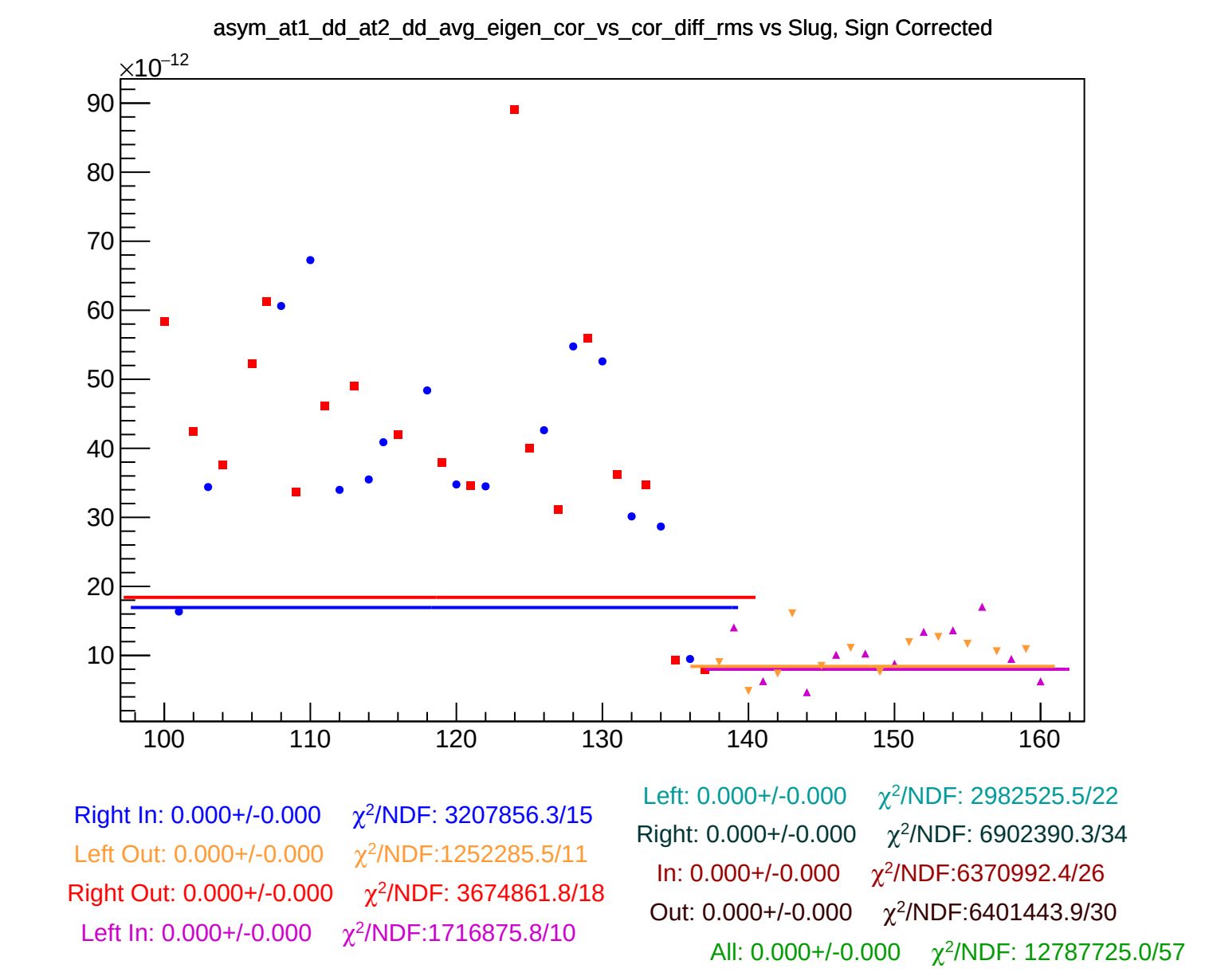
Left: 0.000+/-0.000 χ^2/NDF: 21.9/22

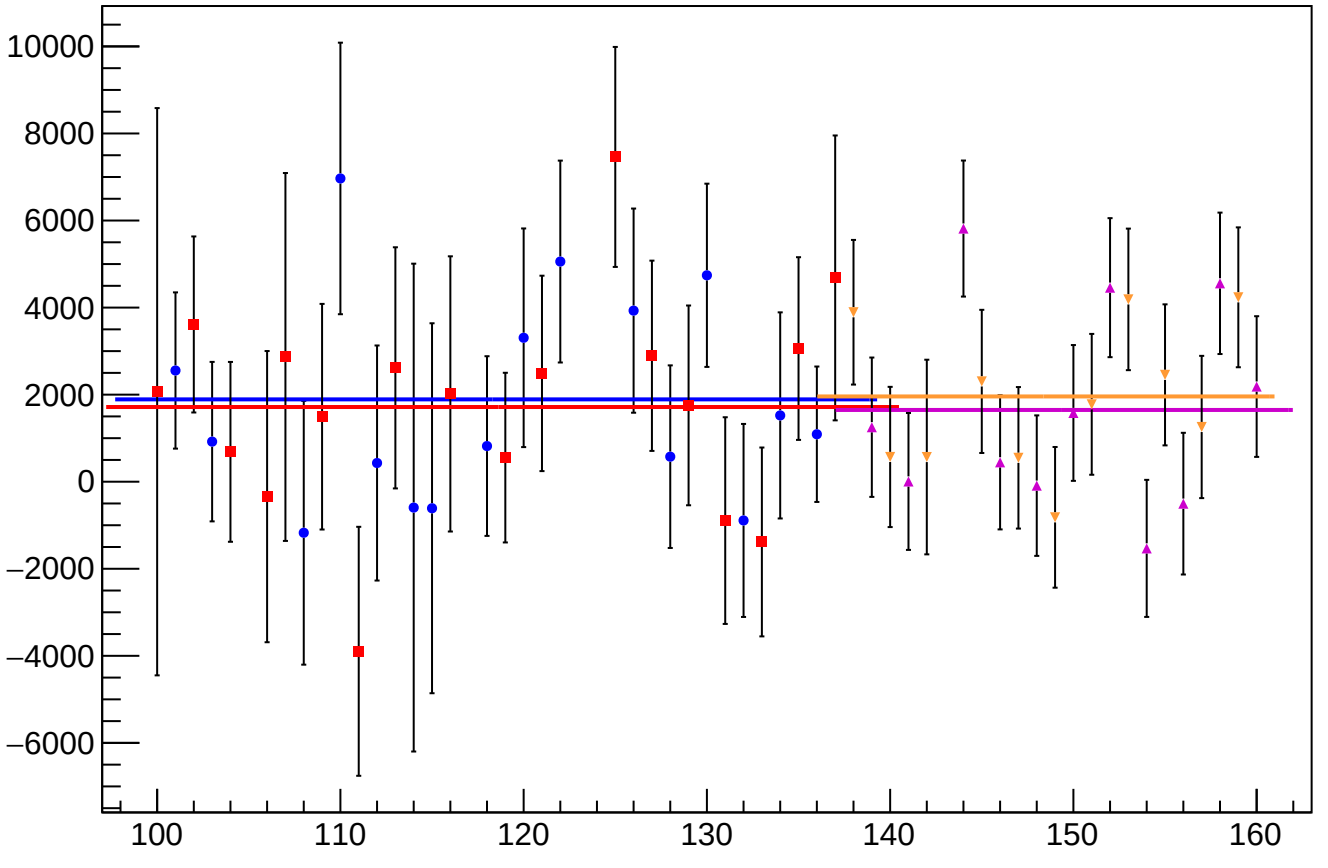
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.4/26

Out: -0.000+/-0.000 χ^2/NDF:39.8/30

All: -0.000+/-0.000 χ^2/NDF: 63.2/57


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:1716875.8/10
Left: 0.000+/-0.000 χ²/NDF: 2982525.5/22
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6370992.4/26
Out: 0.000+/-0.000 χ²/NDF:6401443.9/30
All: 0.000+/-0.000 χ²/NDF: 12787725.0/57



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: 1648.318+/-479.178 χ^2/NDF:22.3/10

Left: 1796.556+/-346.330 χ^2/NDF: 32.9/21

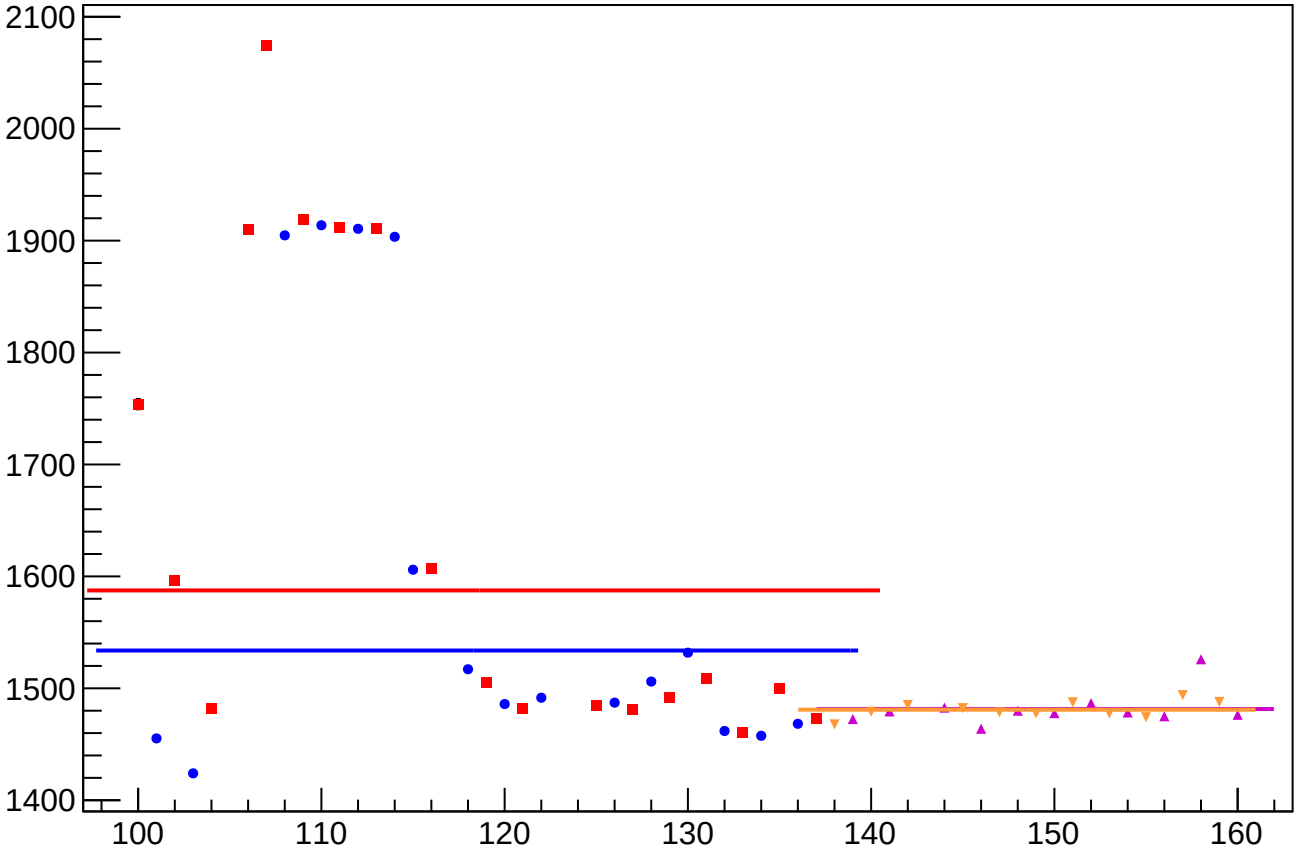
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1748.534+/-367.385 χ^2/NDF:34.6/26

Out: 1856.845+/-381.817 χ^2/NDF:26.5/28

All: 1800.604+/-264.736 χ^2/NDF: 61.1/55

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: 1481.484+/-0.339 χ^2/NDF:1920.3/10

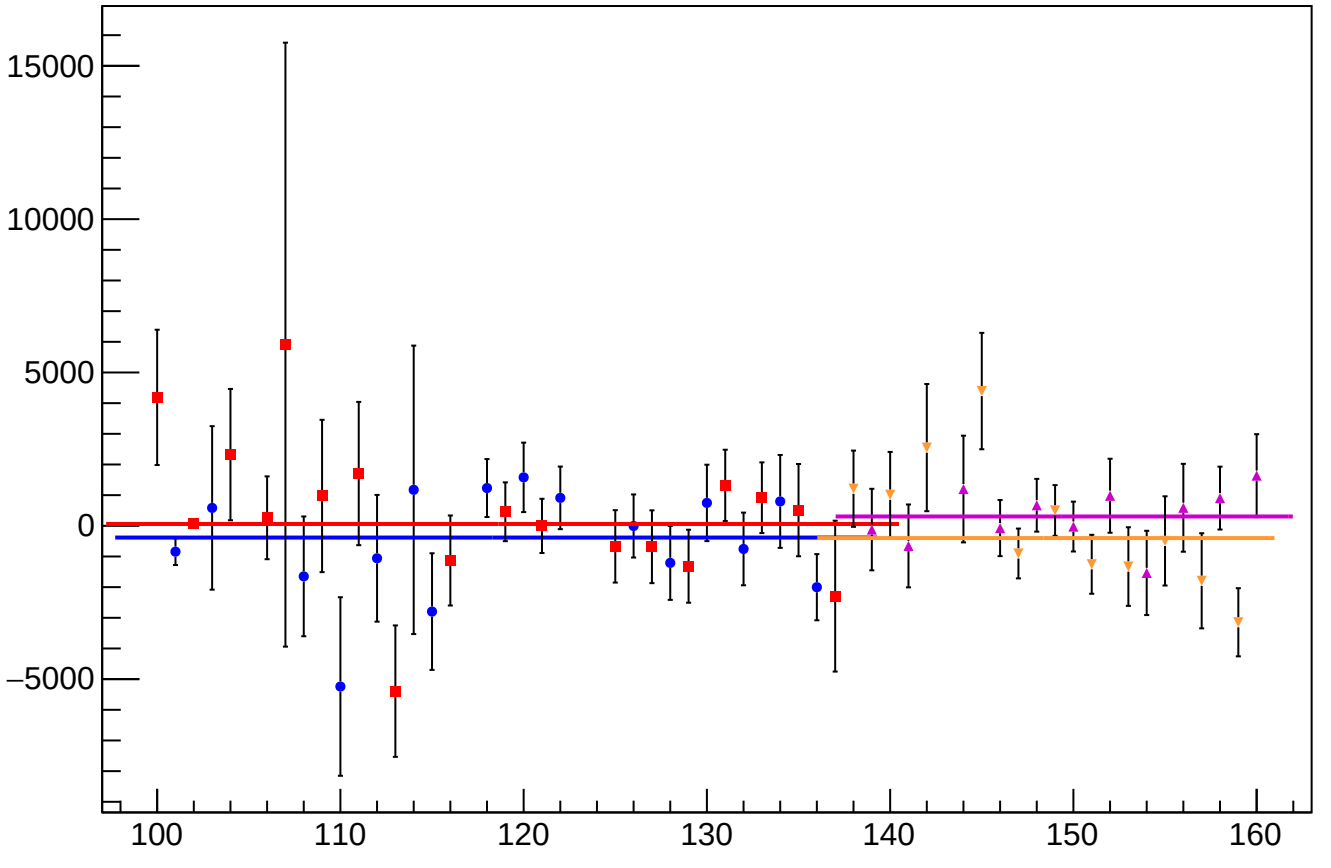
Left: 1481.206+/-0.245 χ^2/NDF: 2310.8/21

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1503.035+/-0.260 χ^2/NDF:141007.1/26

Out: 1525.603+/-0.270 χ^2/NDF:210311.1/28

All: 1513.884+/-0.187 χ^2/NDF: 354946.1/55



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: 304.538+/-338.963 χ^2/NDF:4.8/10

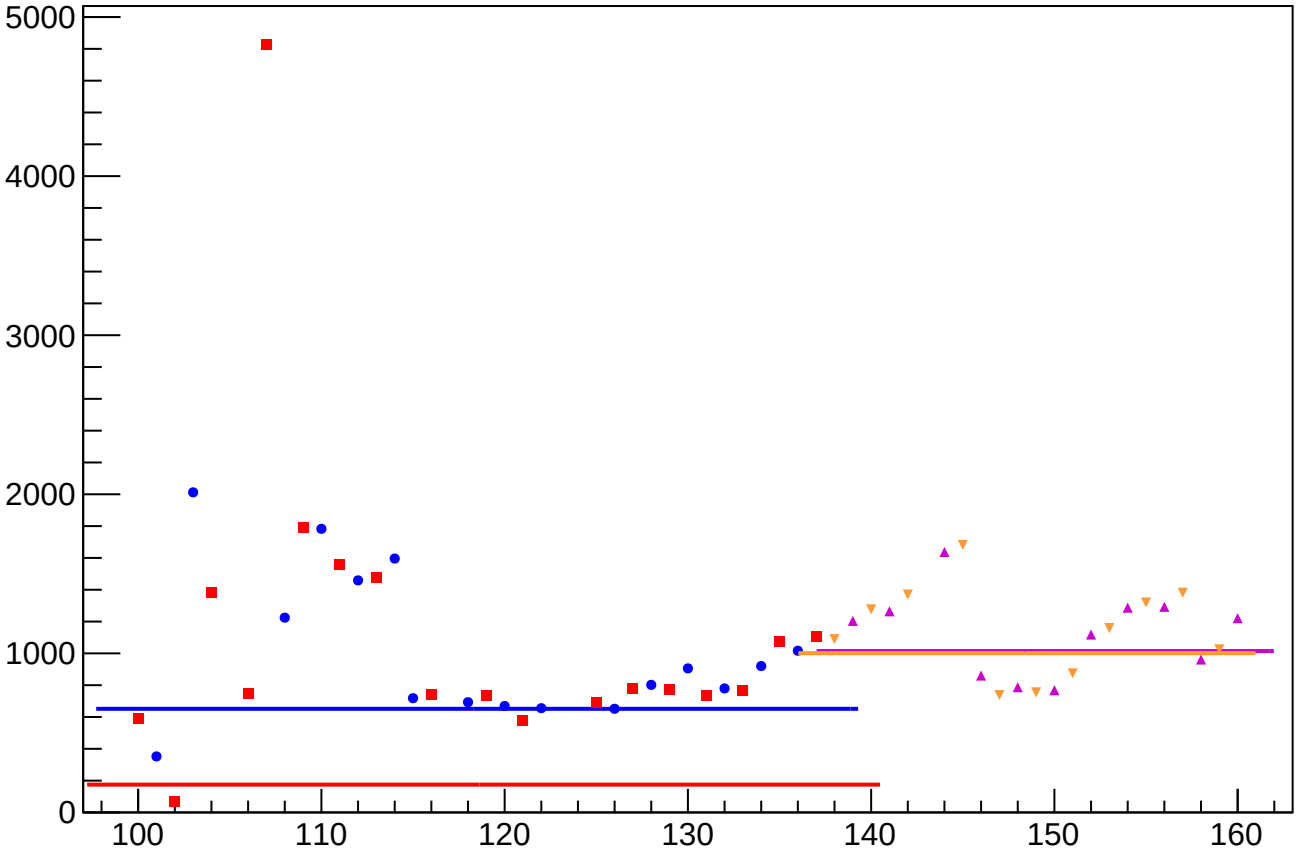
Left: -33.555+/-244.403 χ^2/NDF: 27.8/21

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -113.311+/-212.242 χ^2/NDF:25.5/26

Out: 6.707+/-120.074 χ^2/NDF:40.2/28

All: -22.393+/-104.508 χ^2/NDF: 66.0/55



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: 1014.729+/-0.240 χ^2/NDF:965428.5/10

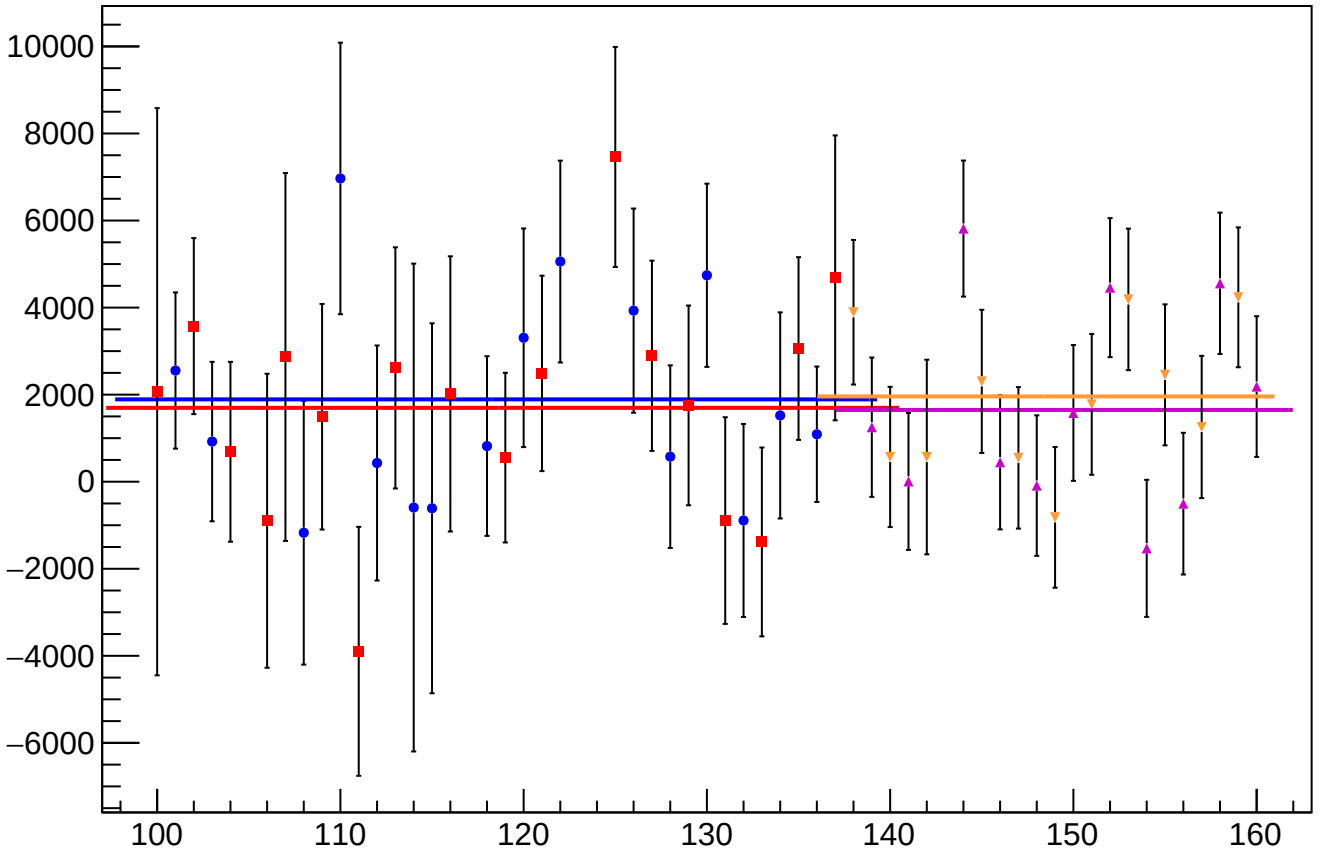
Left: 1008.242+/-0.173 χ^2/NDF: 2044638.7/21

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 793.923+/-0.150 χ^2/NDF:5124094.3/26

Out: 270.655+/-0.085 χ^2/NDF:20543200.8/28

All: 397.526+/-0.074 χ^2/NDF: 34876496.2/55



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: 1648.449+/-479.178 χ^2/NDF:22.3/10

Left: 1796.596+/-346.330 χ^2/NDF: 32.9/21

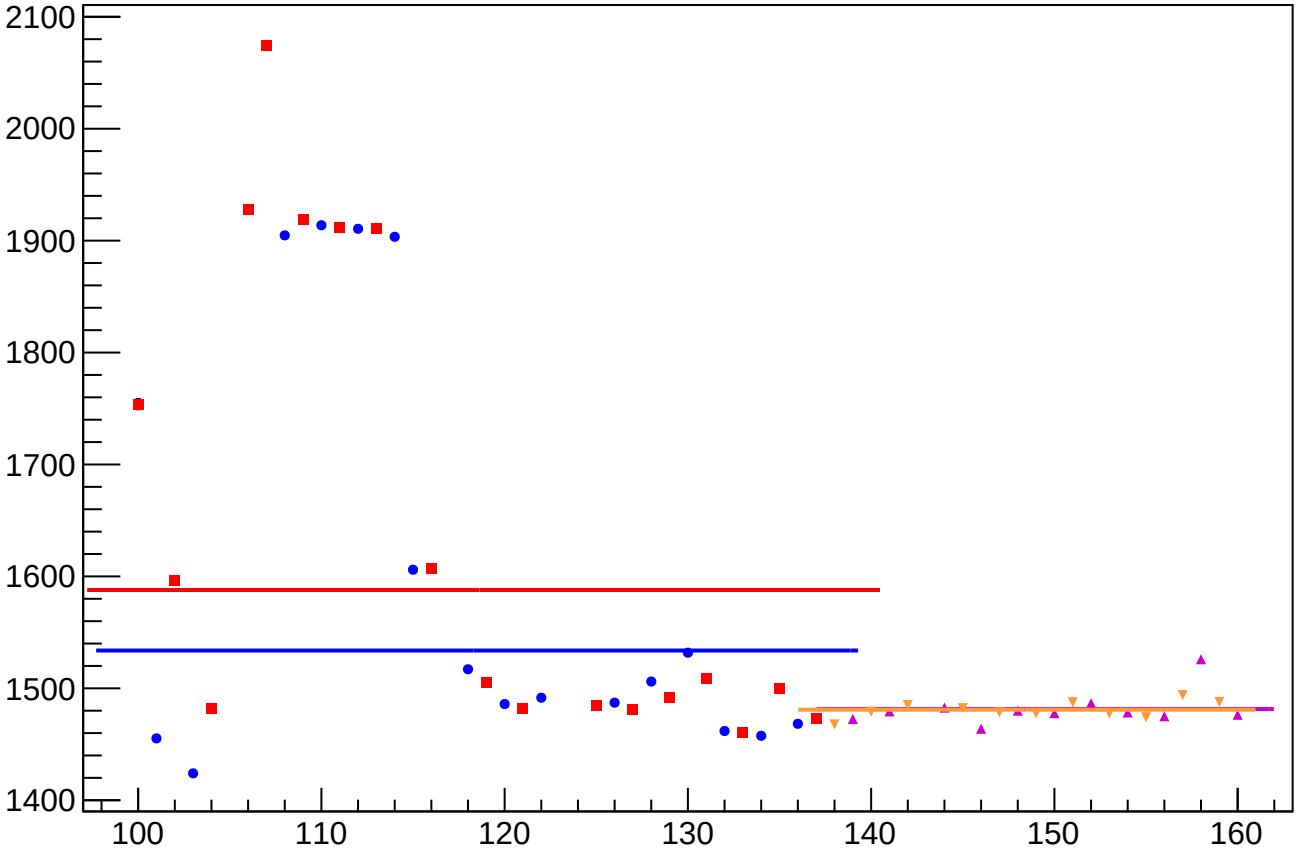
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1748.653+/-367.385 χ^2/NDF:34.6/26

Out: 1848.912+/-381.866 χ^2/NDF:26.7/28

All: 1796.846+/-264.752 χ^2/NDF: 61.3/55

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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: 1481.484+/-0.339 χ^2/NDF:1920.3/10

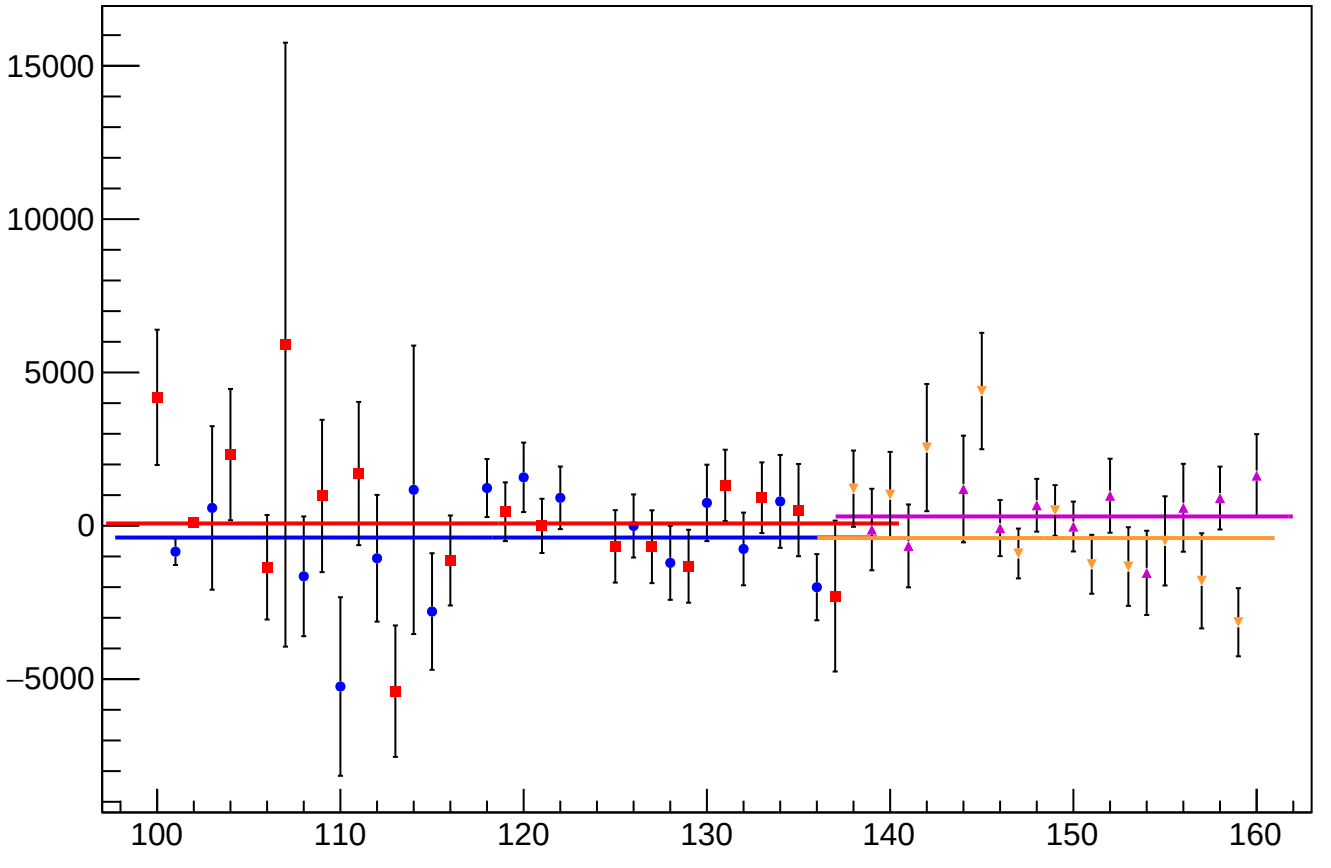
Left: 1481.207+/-0.245 χ^2/NDF: 2310.8/21

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1503.035+/-0.260 χ^2/NDF:141007.0/26

Out: 1525.748+/-0.270 χ^2/NDF:212350.7/28

All: 1513.953+/-0.187 χ^2/NDF: 357032.0/55



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: 304.615+/-338.963 χ^2/NDF:4.8/10

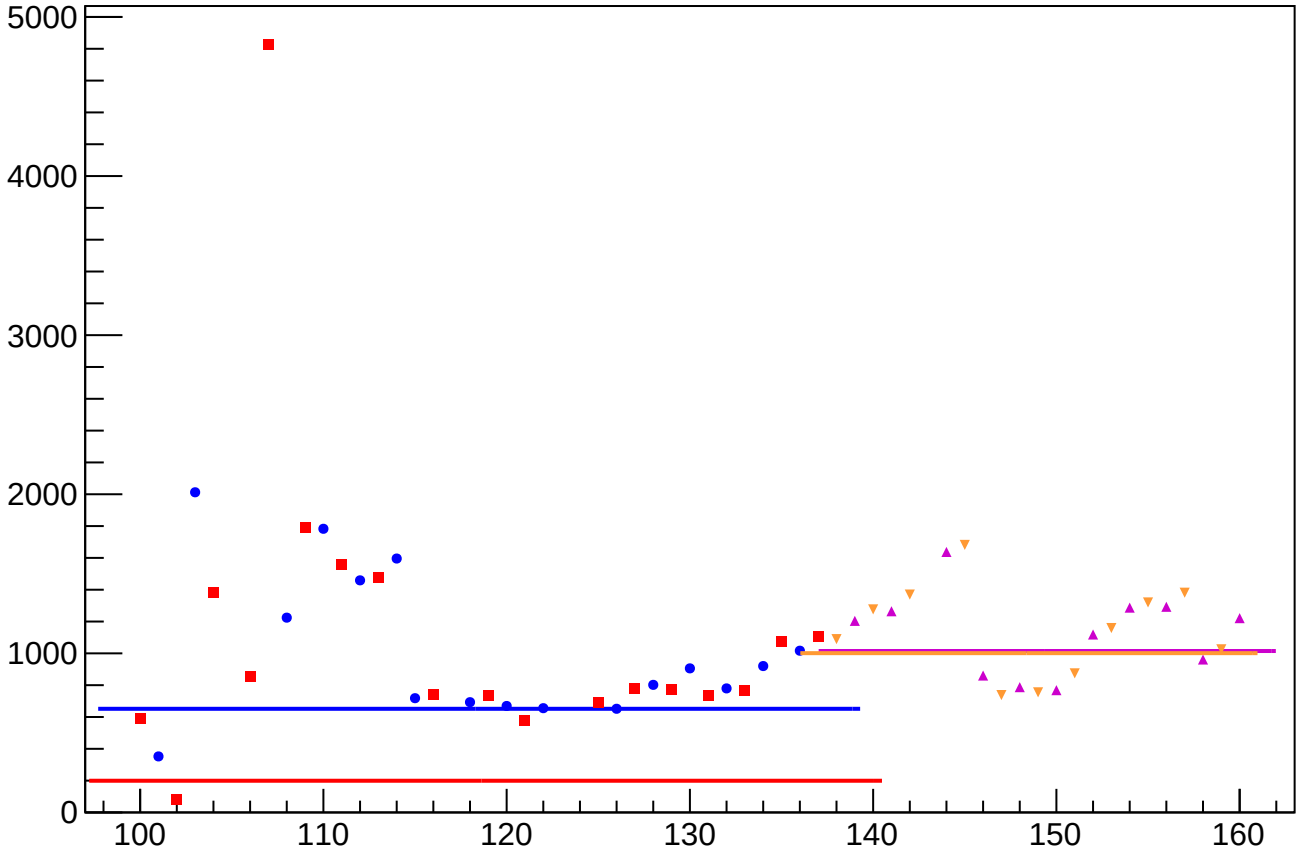
Left: -33.581+/-244.405 χ^2/NDF: 27.8/21

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.266+/-212.242 χ^2/NDF:25.5/26

Out: 13.384+/-128.625 χ^2/NDF:41.0/28

All: -20.637+/-110.001 χ^2/NDF: 66.8/55



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: 1014.728+/-0.240 χ^2/NDF:965504.6/10

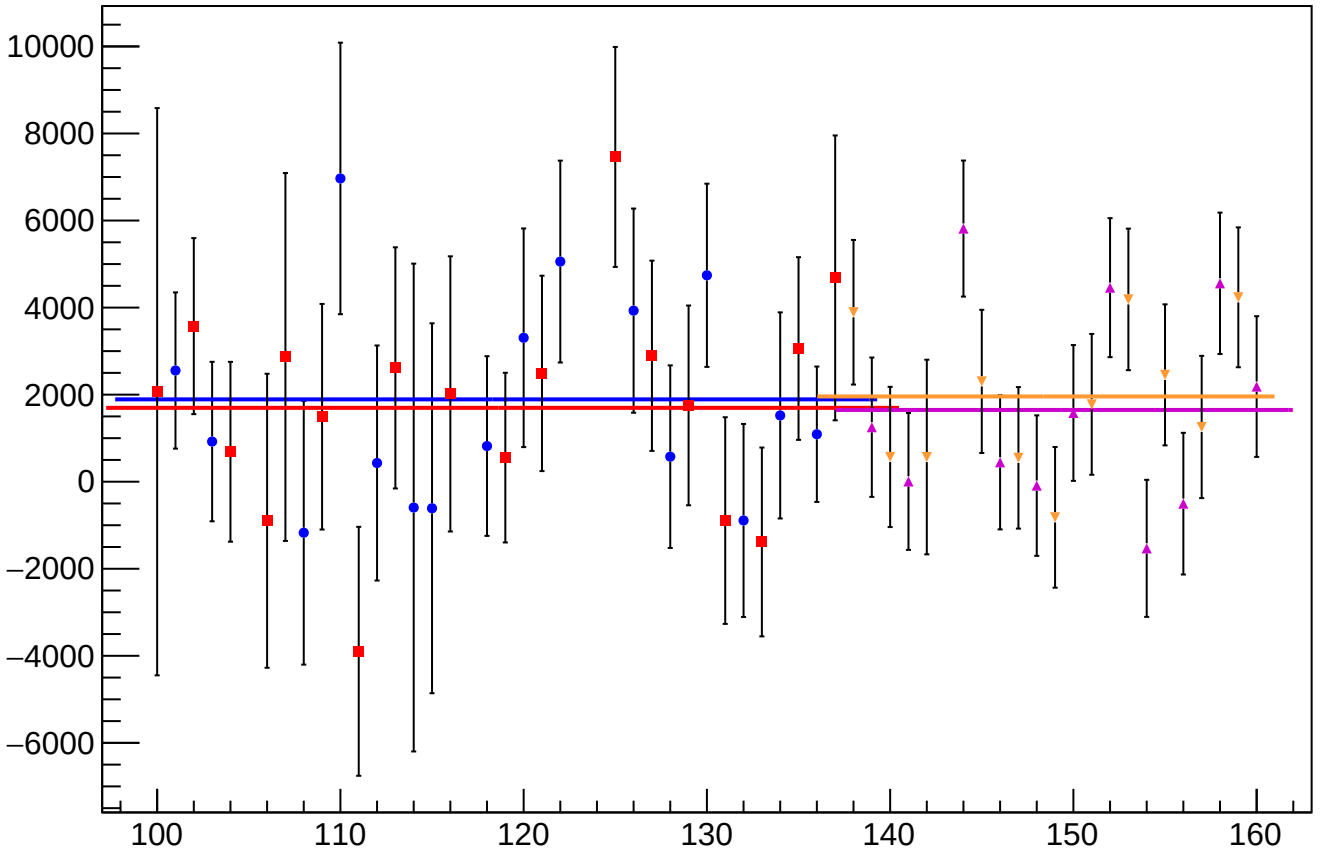
Left: 1008.247+/-0.173 χ^2/NDF: 2044708.4/21

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.922+/-0.150 χ^2/NDF:5124203.6/26

Out: 305.975+/-0.091 χ^2/NDF:19324490.2/28

All: 437.046+/-0.078 χ^2/NDF: 32180077.3/55



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: 1648.449+/-479.178 χ^2/NDF:22.3/10

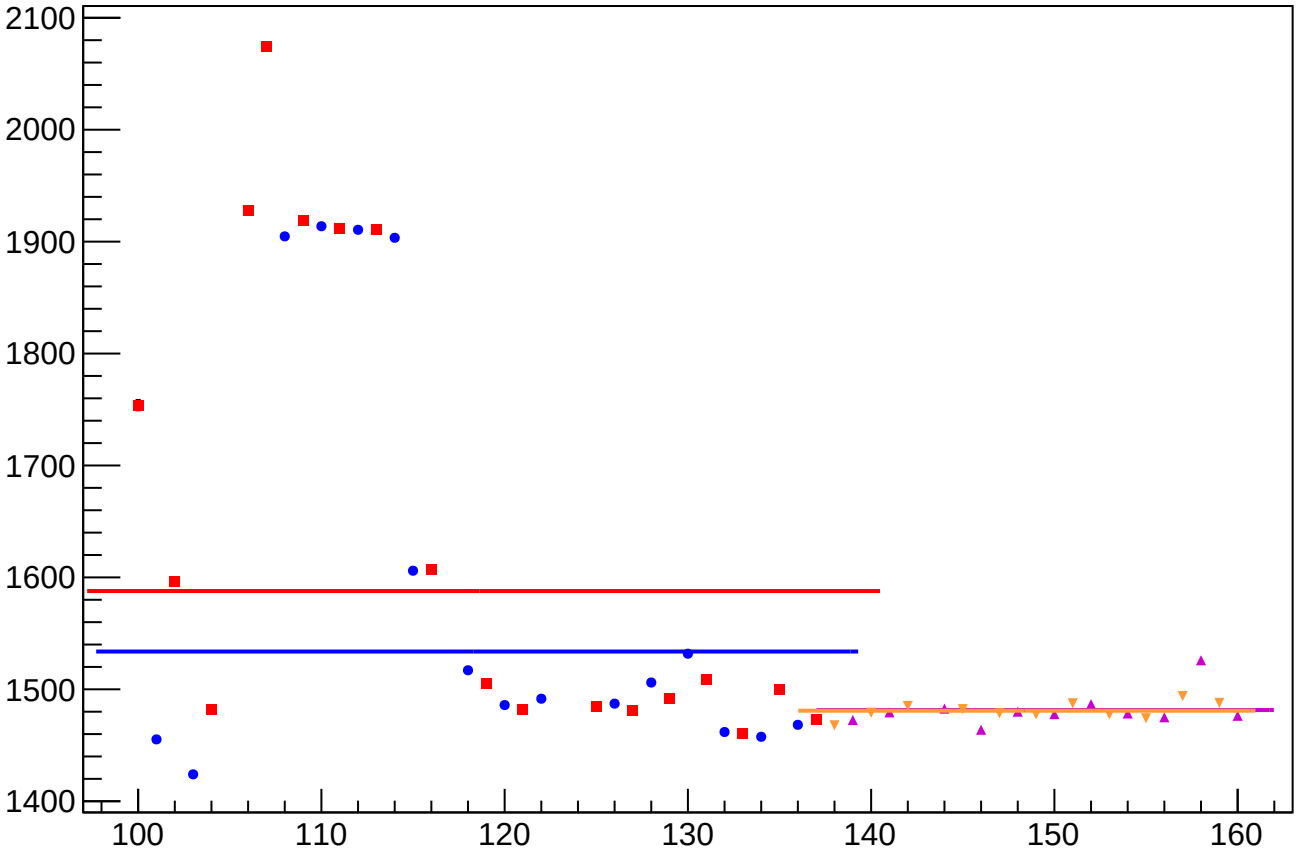
Left: 1796.596+/-346.330 χ^2/NDF: 32.9/21

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1748.653+/-367.385 χ^2/NDF:34.6/26

Out: 1848.912+/-381.866 χ^2/NDF:26.7/28

All: 1796.846+/-264.752 χ^2/NDF: 61.3/55



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: 1481.484+/-0.339 χ^2/NDF:1920.3/10

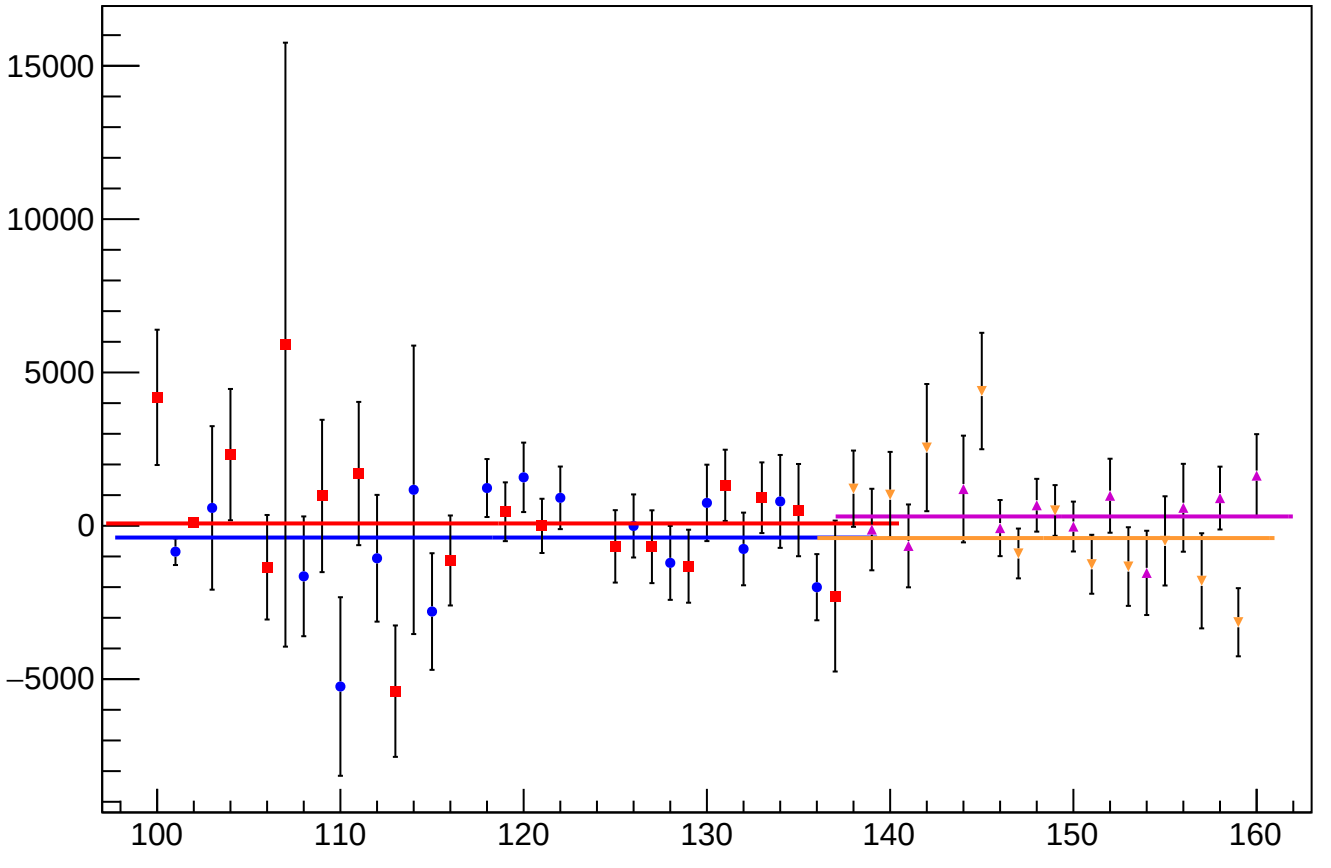
Left: 1481.207+/-0.245 χ^2/NDF: 2310.8/21

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1503.035+/-0.260 χ^2/NDF:141007.0/26

Out: 1525.748+/-0.270 χ^2/NDF:212350.7/28

All: 1513.953+/-0.187 χ^2/NDF: 357032.0/55



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: 304.615+/-338.963 χ^2/NDF:4.8/10

Left: -33.581+/-244.405 χ^2/NDF: 27.8/21

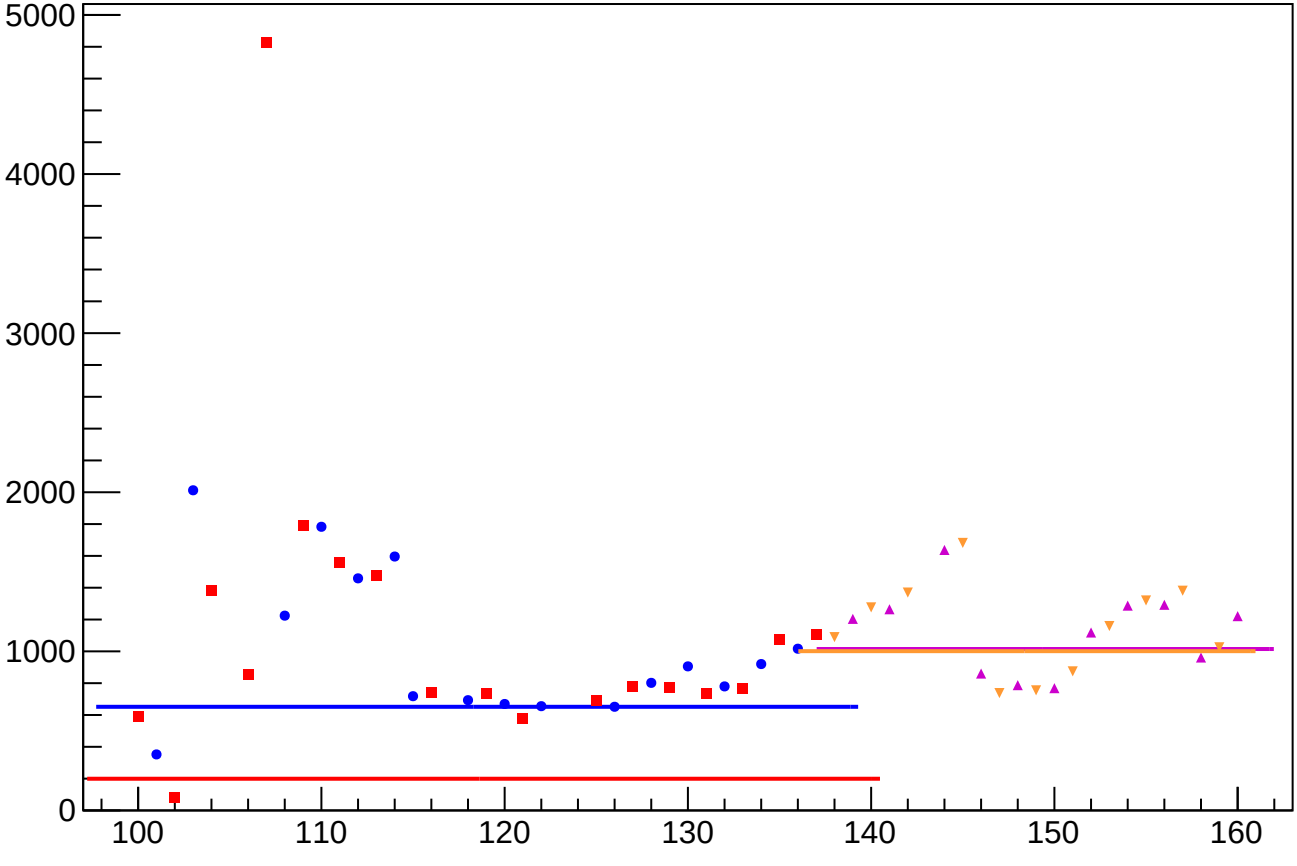
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.266+/-212.242 χ^2/NDF:25.5/26

Out: 13.384+/-128.625 χ^2/NDF:41.0/28

All: -20.637+/-110.001 χ^2/NDF: 66.8/55

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1001.230+/-0.249 χ^2/NDF:1077680.9/10

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

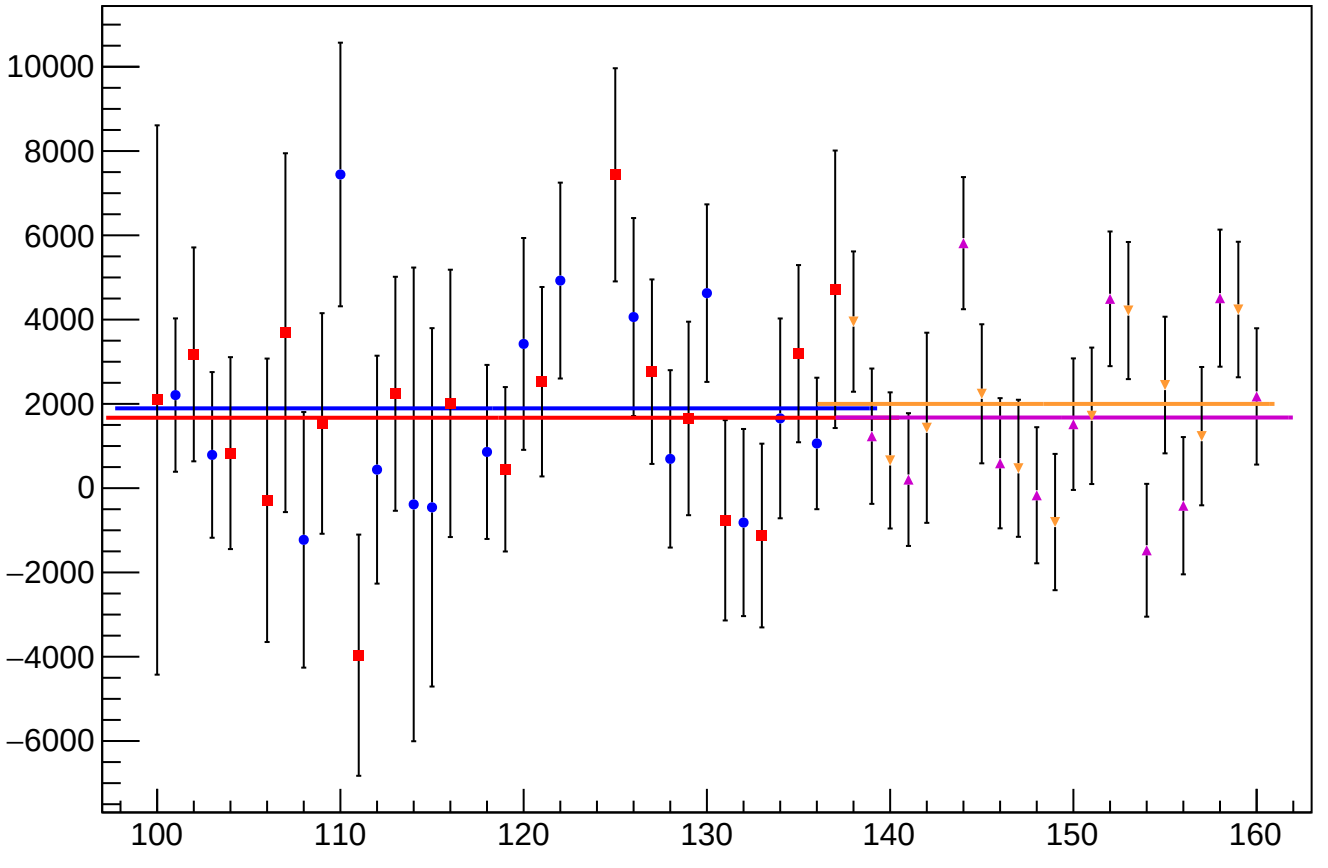
Left: 1008.247+/-0.173 χ^2/NDF: 2044708.4/21

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.922+/-0.150 χ^2/NDF:5124203.6/26

Out: 305.975+/-0.091 χ^2/NDF:19324490.2/28

All: 437.046+/-0.078 χ^2/NDF: 32180077.3/55



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: 1676.350+/-479.911 χ^2/NDF:21.6/10

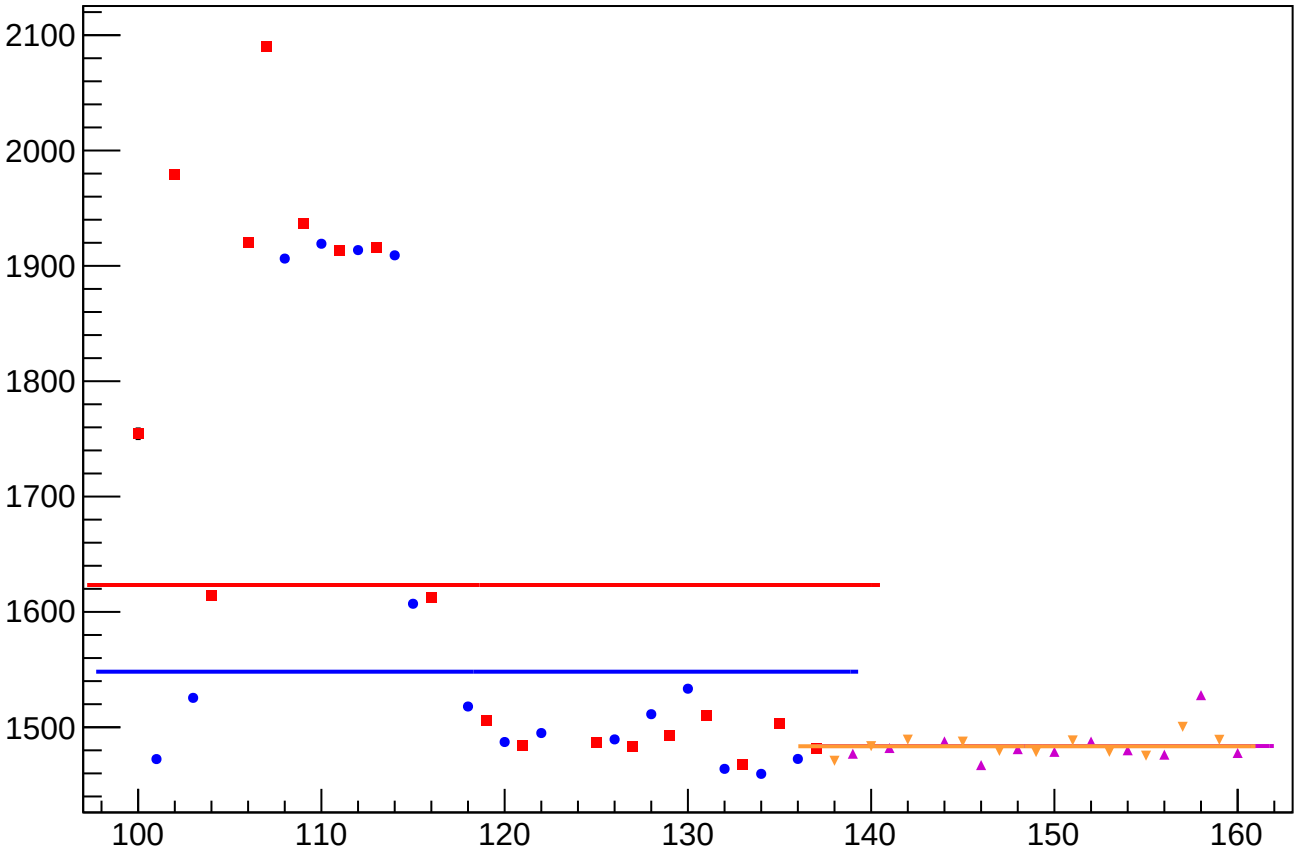
Left: 1830.489+/-346.954 χ^2/NDF: 32.0/21

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1765.304+/-369.132 χ^2/NDF:34.0/26

Out: 1865.287+/-386.366 χ^2/NDF:25.4/28

All: 1813.016+/-266.901 χ^2/NDF: 59.4/55



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: 1483.725+/-0.339 χ^2/NDF:1868.5/10

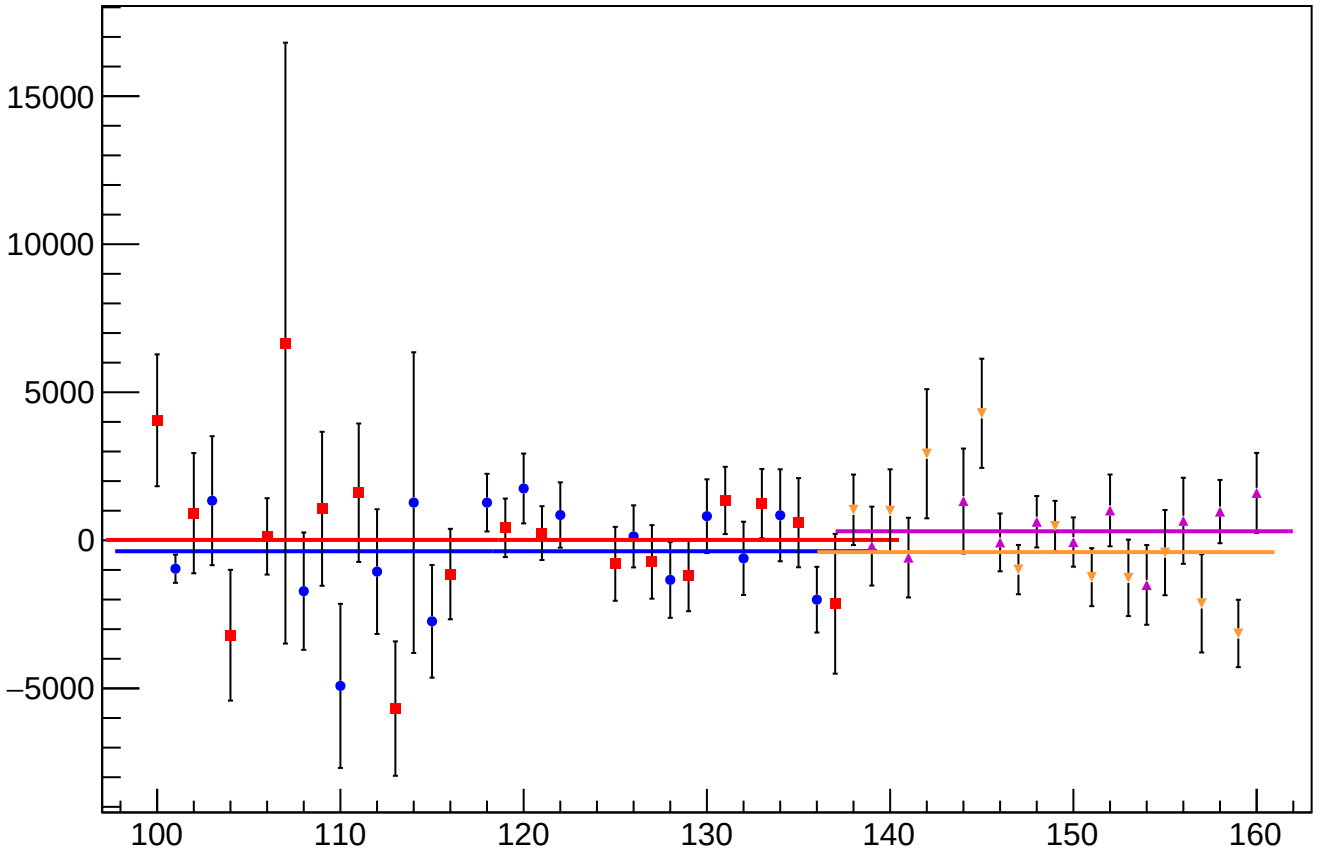
Left: 1483.633+/-0.245 χ^2/NDF: 2362.4/21

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1510.044+/-0.261 χ^2/NDF:136504.0/26

Out: 1540.578+/-0.273 χ^2/NDF:275274.3/28

All: 1524.615+/-0.189 χ^2/NDF: 418308.3/55



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: 306.021+/-345.424 χ^2/NDF:4.9/10

Left: -33.699+/-248.575 χ^2/NDF: 27.8/21

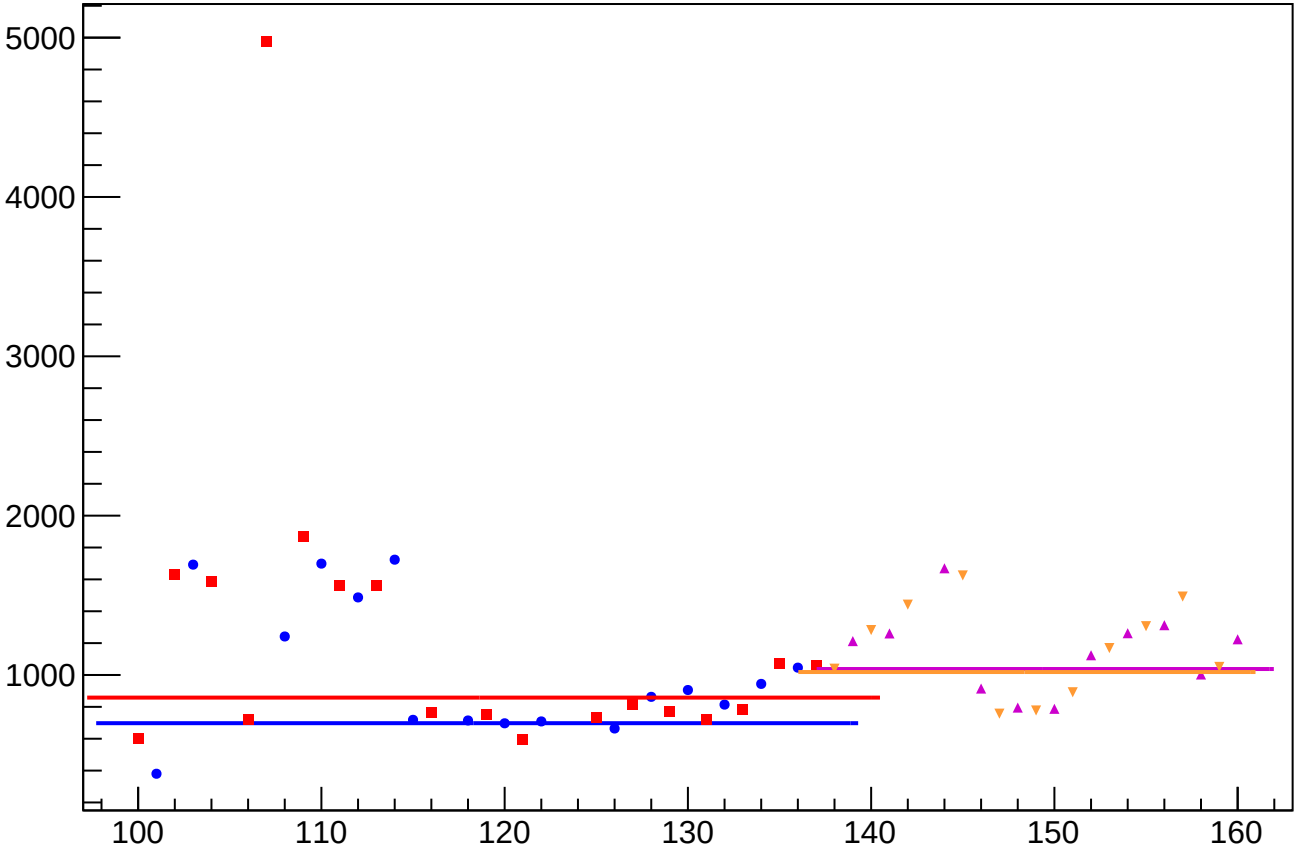
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -93.629+/-220.555 χ^2/NDF:26.1/26

Out: -182.756+/-247.127 χ^2/NDF:40.7/28

All: -133.145+/-164.551 χ^2/NDF: 66.8/55

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1037.476+/-0.244 χ^2/NDF:888699.2/10

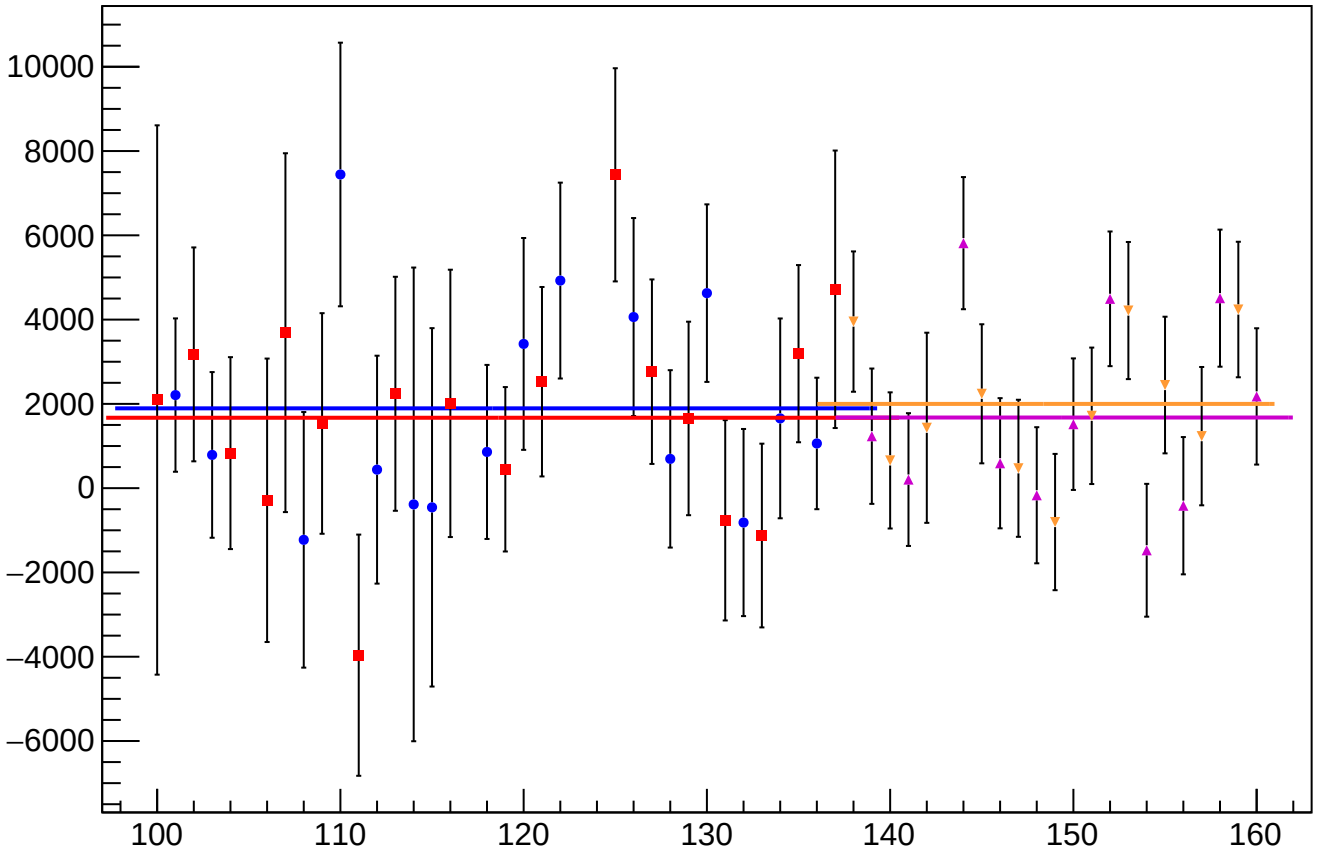
Left: 1028.373+/-0.176 χ^2/NDF: 1917302.8/21

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 836.114+/-0.156 χ^2/NDF:4471738.5/26

Out: 934.580+/-0.175 χ^2/NDF:3118323.5/28

All: 879.770+/-0.116 χ^2/NDF: 7766801.1/55



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: 1676.352+/-479.911 χ^2/NDF:21.6/10

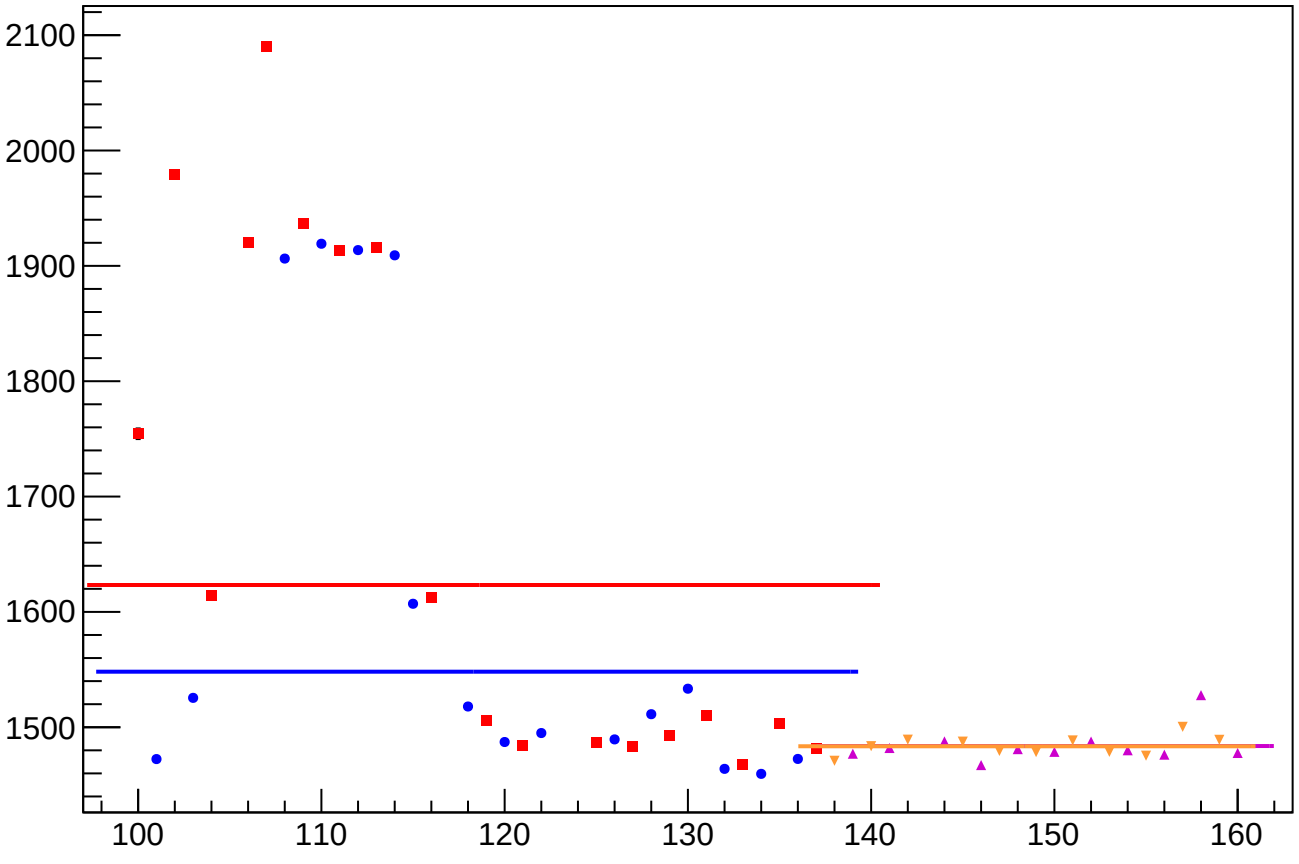
Left: 1830.489+/-346.954 χ^2/NDF: 32.0/21

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1765.304+/-369.132 χ^2/NDF:34.0/26

Out: 1865.284+/-386.366 χ^2/NDF:25.4/28

All: 1813.015+/-266.901 χ^2/NDF: 59.4/55



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: 1483.725+/-0.339 χ^2/NDF:1868.5/10

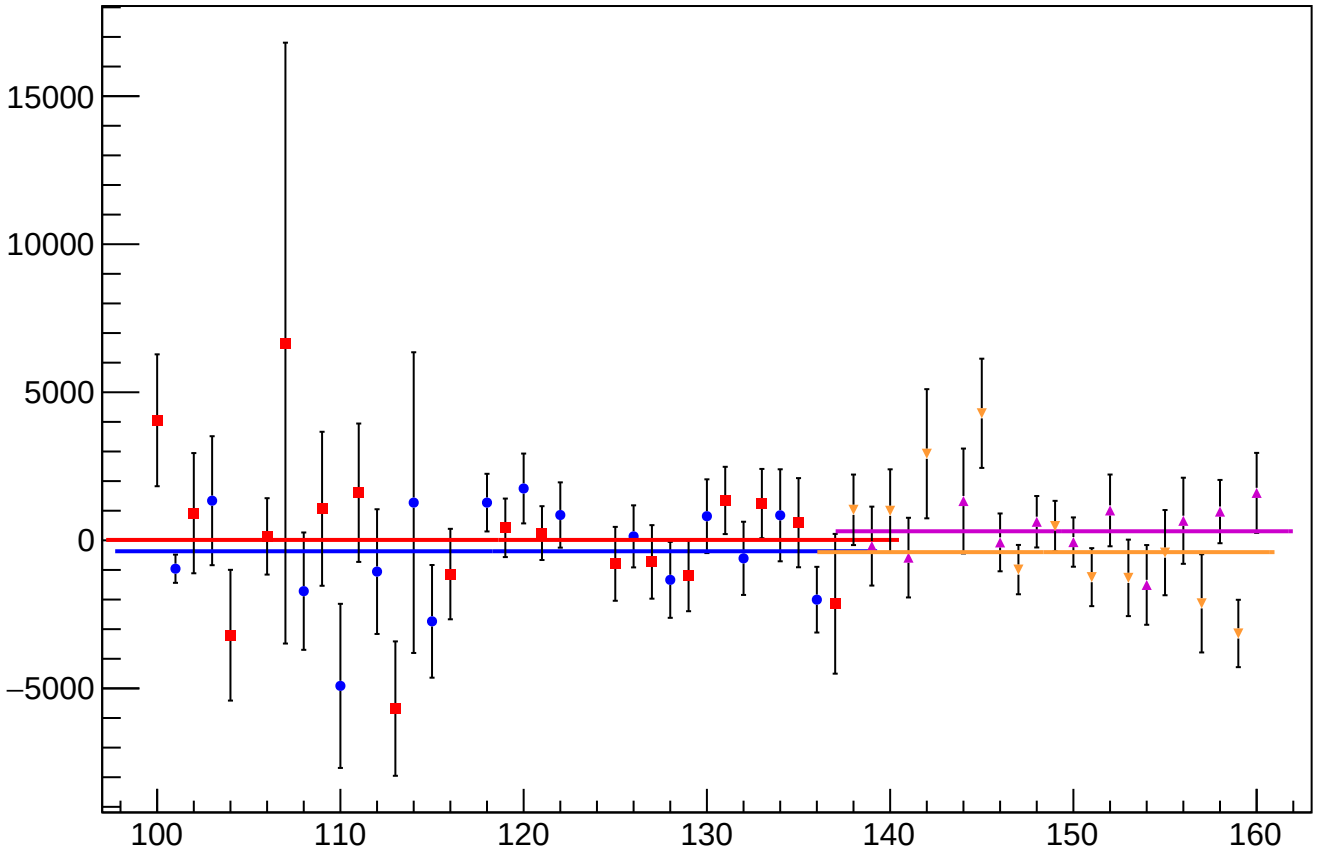
Left: 1483.633+/-0.245 χ^2/NDF: 2362.4/21

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1510.044+/-0.261 χ^2/NDF:136504.0/26

Out: 1540.578+/-0.273 χ^2/NDF:275273.9/28

All: 1524.615+/-0.189 χ^2/NDF: 418307.8/55



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: 306.022+/-345.424 χ^2/NDF:4.9/10

Left: -33.700+/-248.576 χ^2/NDF: 27.8/21

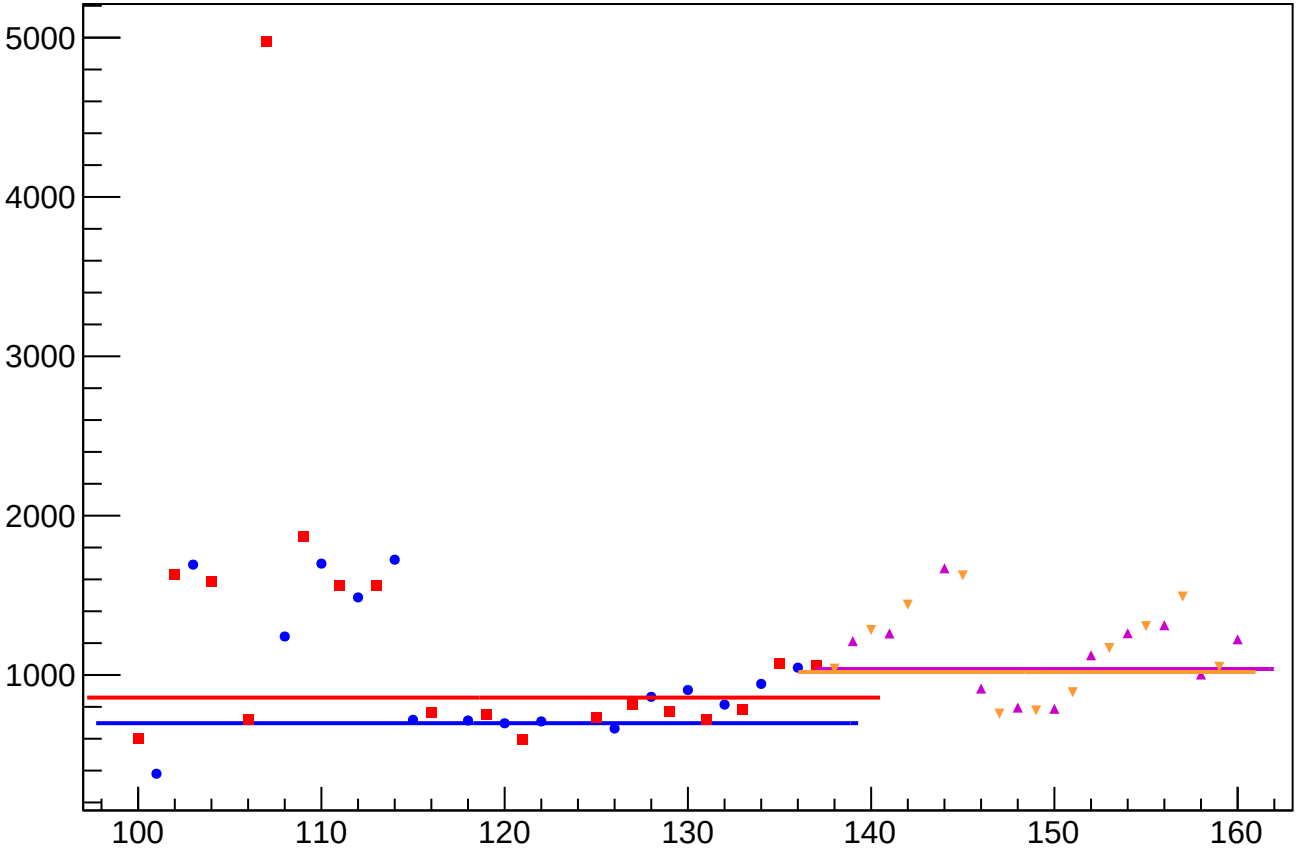
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -93.629+/-220.555 χ^2/NDF:26.1/26

Out: -182.756+/-247.127 χ^2/NDF:40.7/28

All: -133.145+/-164.551 χ^2/NDF: 66.8/55

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1018.597+/-0.253 χ^2/NDF:1025720.5/10

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1037.477+/-0.244 χ^2/NDF:888696.0/10

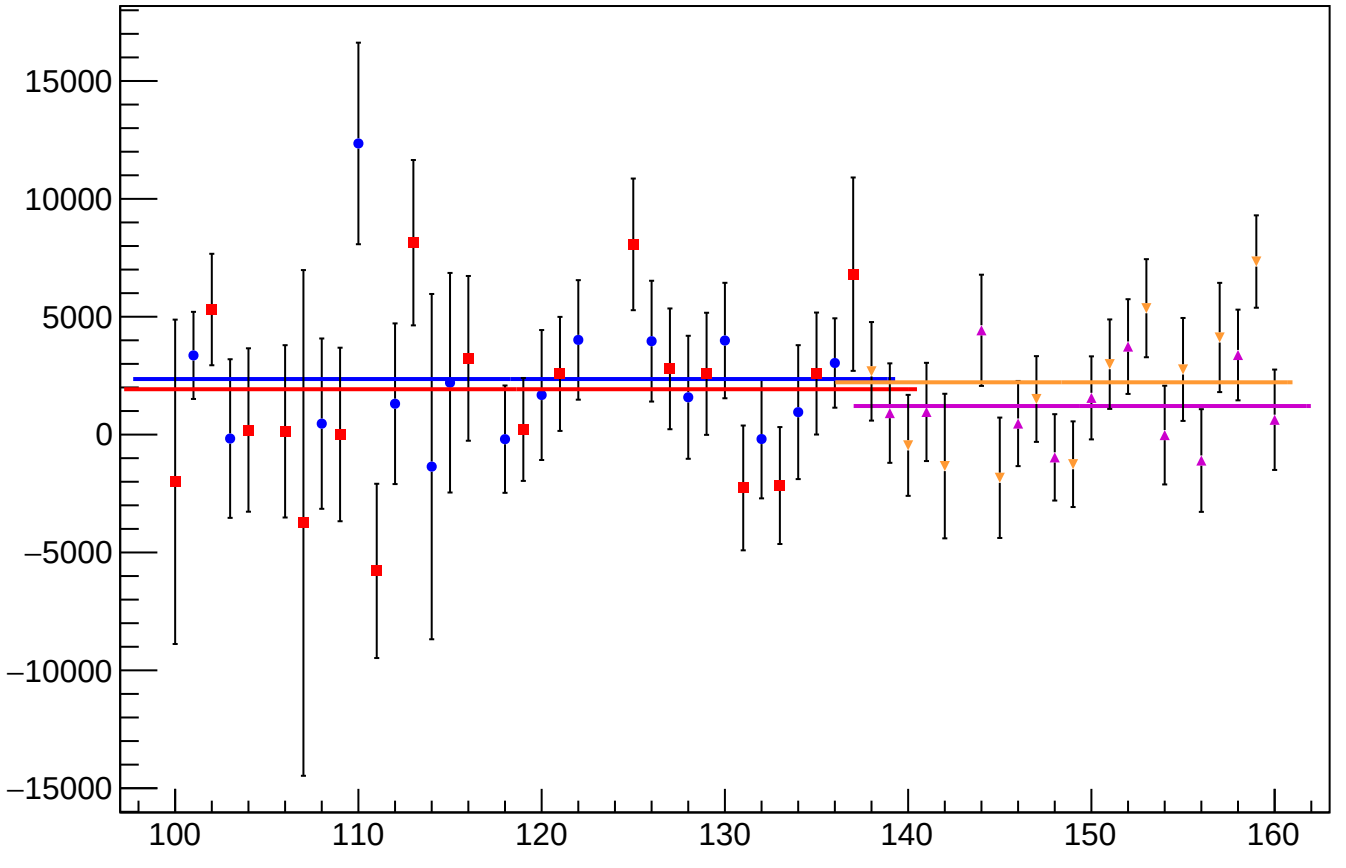
Left: 1028.374+/-0.176 χ^2/NDF: 1917297.4/21

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 836.114+/-0.156 χ^2/NDF:4471738.1/26

Out: 934.579+/-0.175 χ^2/NDF:3118339.4/28

All: 879.770+/-0.116 χ^2/NDF: 7766813.9/55



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: 1212.379+/-604.245 χ^2/NDF:7.9/10

Left: 1690.172+/-437.871 χ^2/NDF: 28.5/21

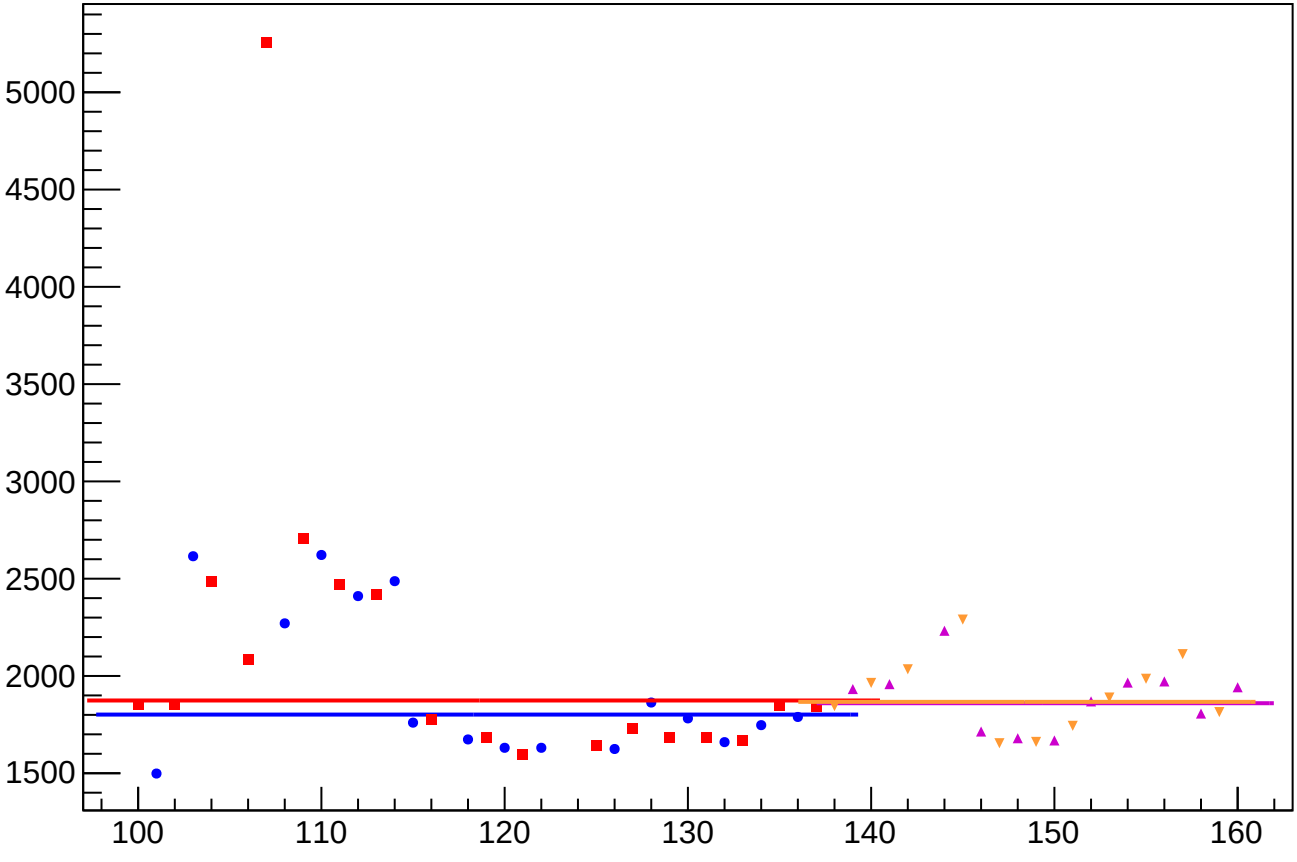
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1718.281+/-451.374 χ^2/NDF:20.5/26

Out: 2087.256+/-472.538 χ^2/NDF:42.8/28

All: 1894.321+/-326.395 χ^2/NDF: 63.6/55

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: 1859.922+/-0.427 χ^2/NDF:127511.4/10

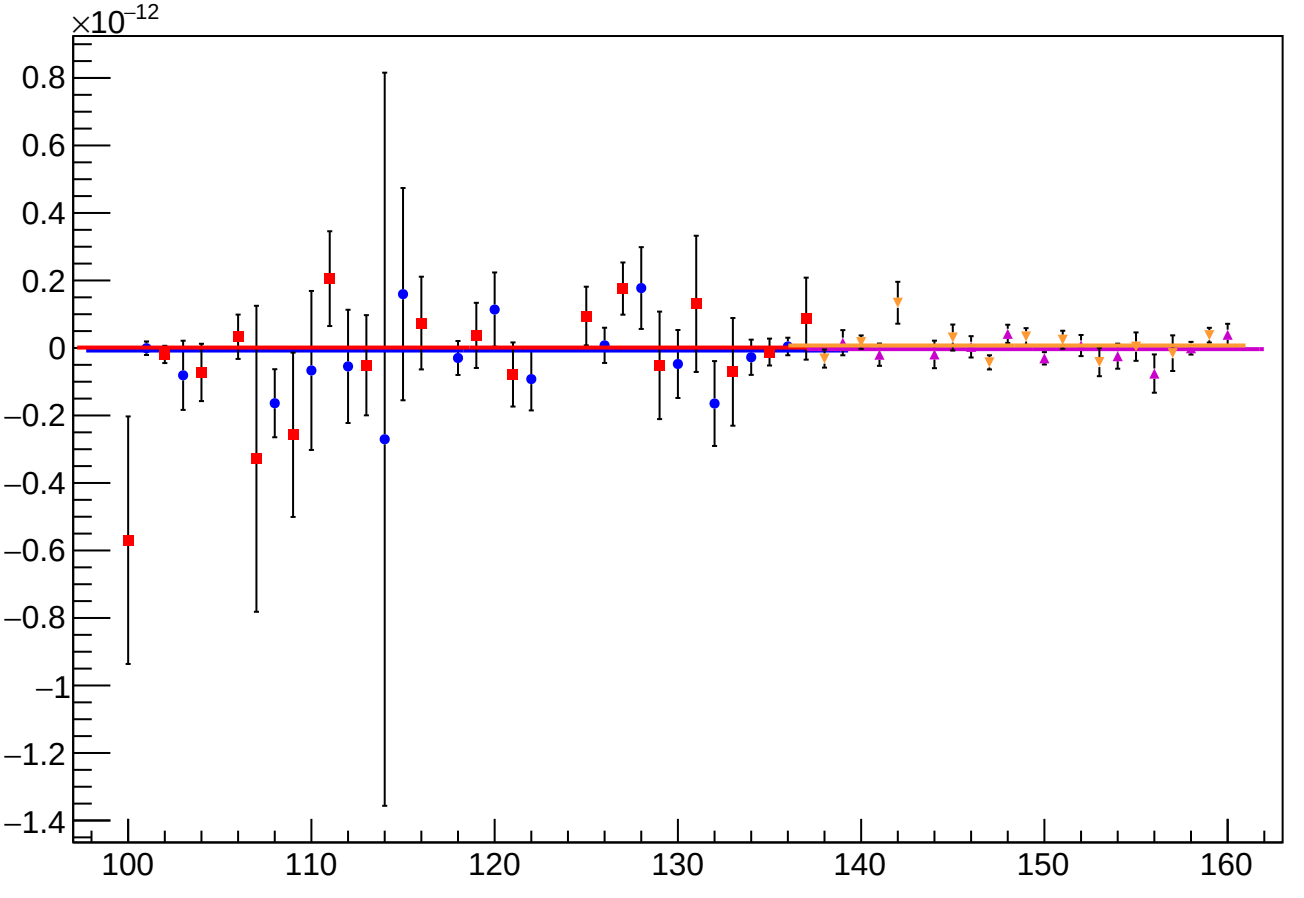
Left: 1863.239+/-0.310 χ^2/NDF: 284196.6/21

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1834.113+/-0.319 χ^2/NDF:536469.3/26

Out: 1870.067+/-0.334 χ^2/NDF:726577.9/28

All: 1851.267+/-0.231 χ^2/NDF: 1269101.4/55



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:9.5/10

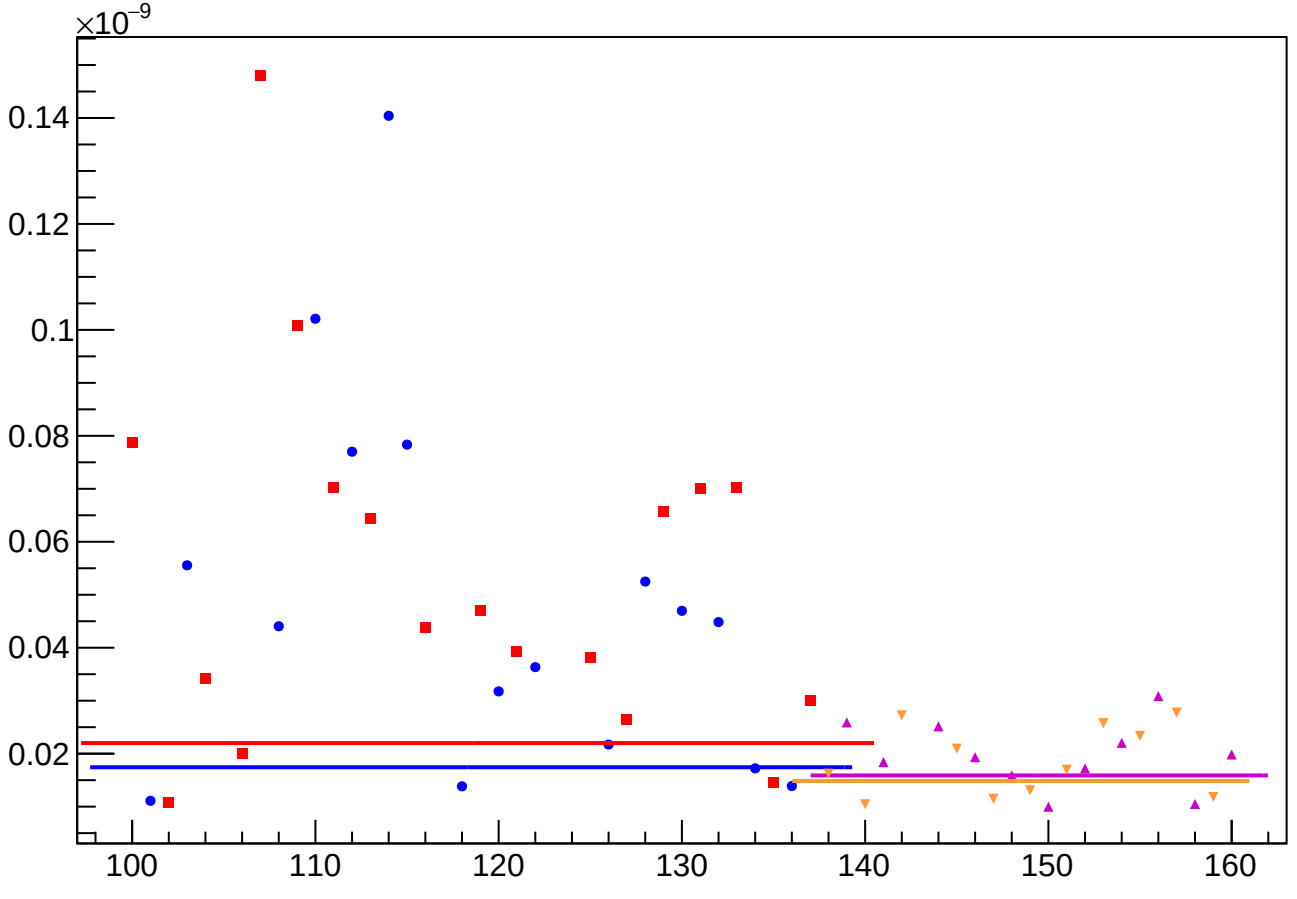
Left: 0.000+/-0.000 χ^2/NDF: 27.9/21

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:19.8/26

Out: 0.000+/-0.000 χ^2/NDF:34.3/28

All: 0.000+/-0.000 χ^2/NDF: 55.3/55



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:882048.0/10

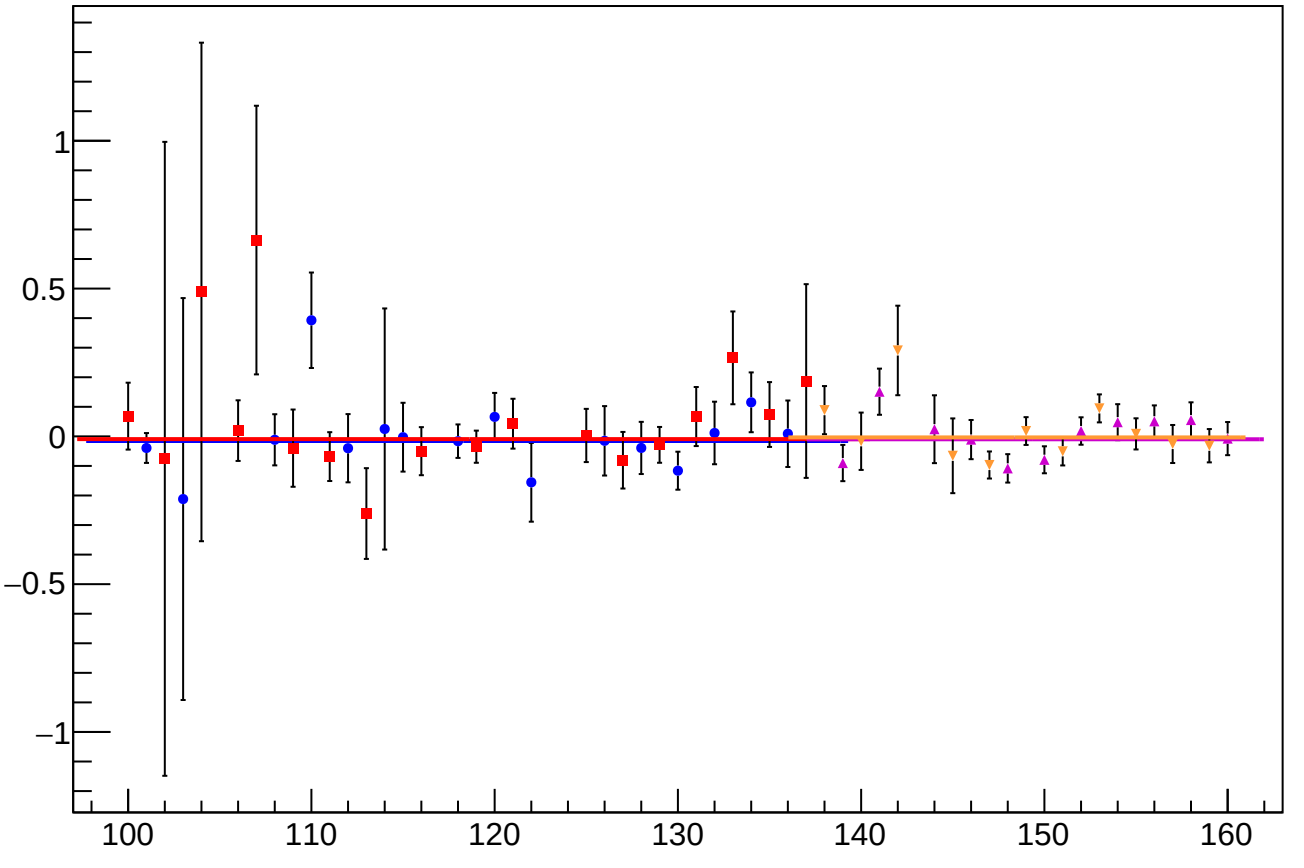
Left: 0.000+/-0.000 χ^2/NDF: 1578204.3/21

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2741476.2/26

Out: 0.000+/-0.000 χ^2/NDF:3059845.6/28

All: 0.000+/-0.000 χ^2/NDF: 5801488.7/55



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+/-0.017 χ^2/NDF:16.3/10

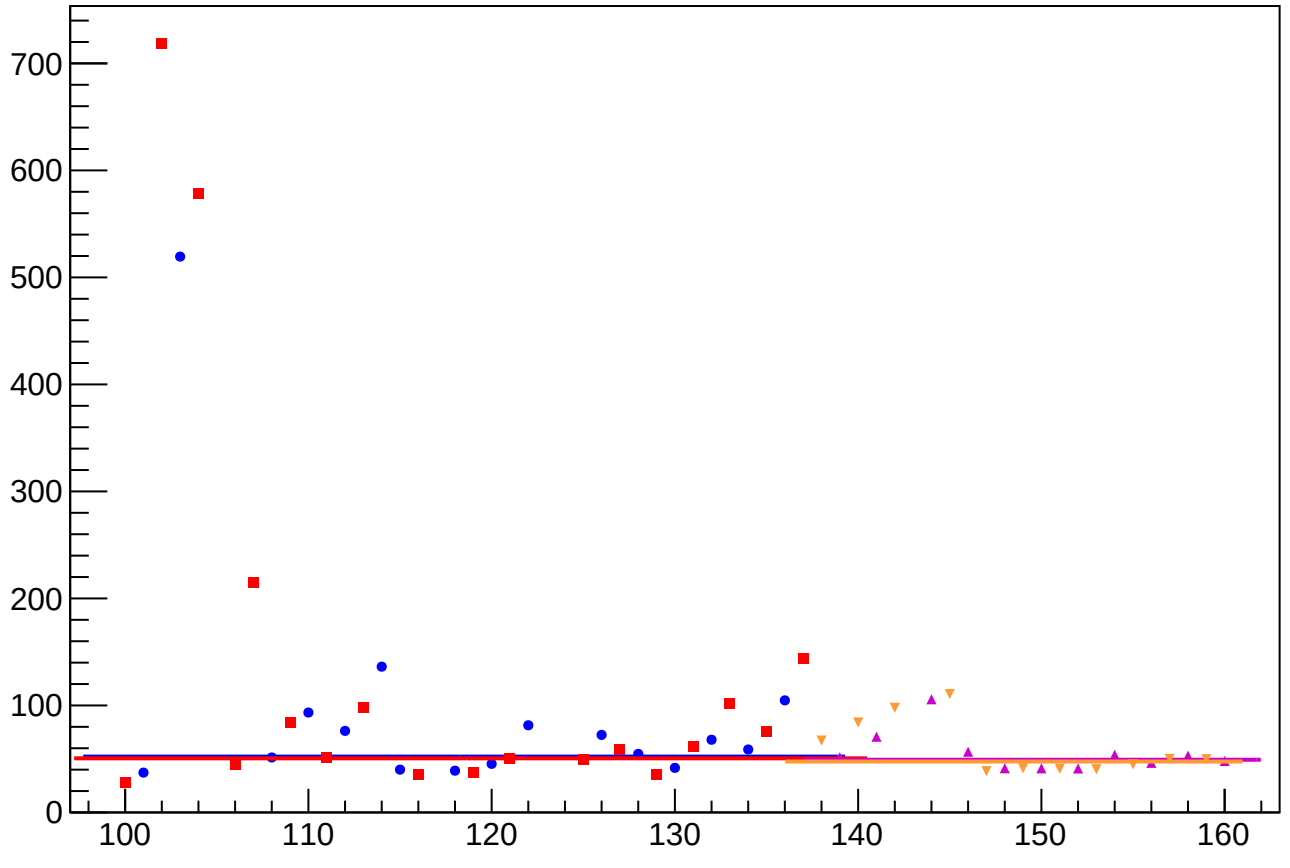
Left: -0.007+/-0.012 χ^2/NDF: 31.7/21

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/55



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: 49.270+/-0.012 χ^2/NDF:869943.0/10

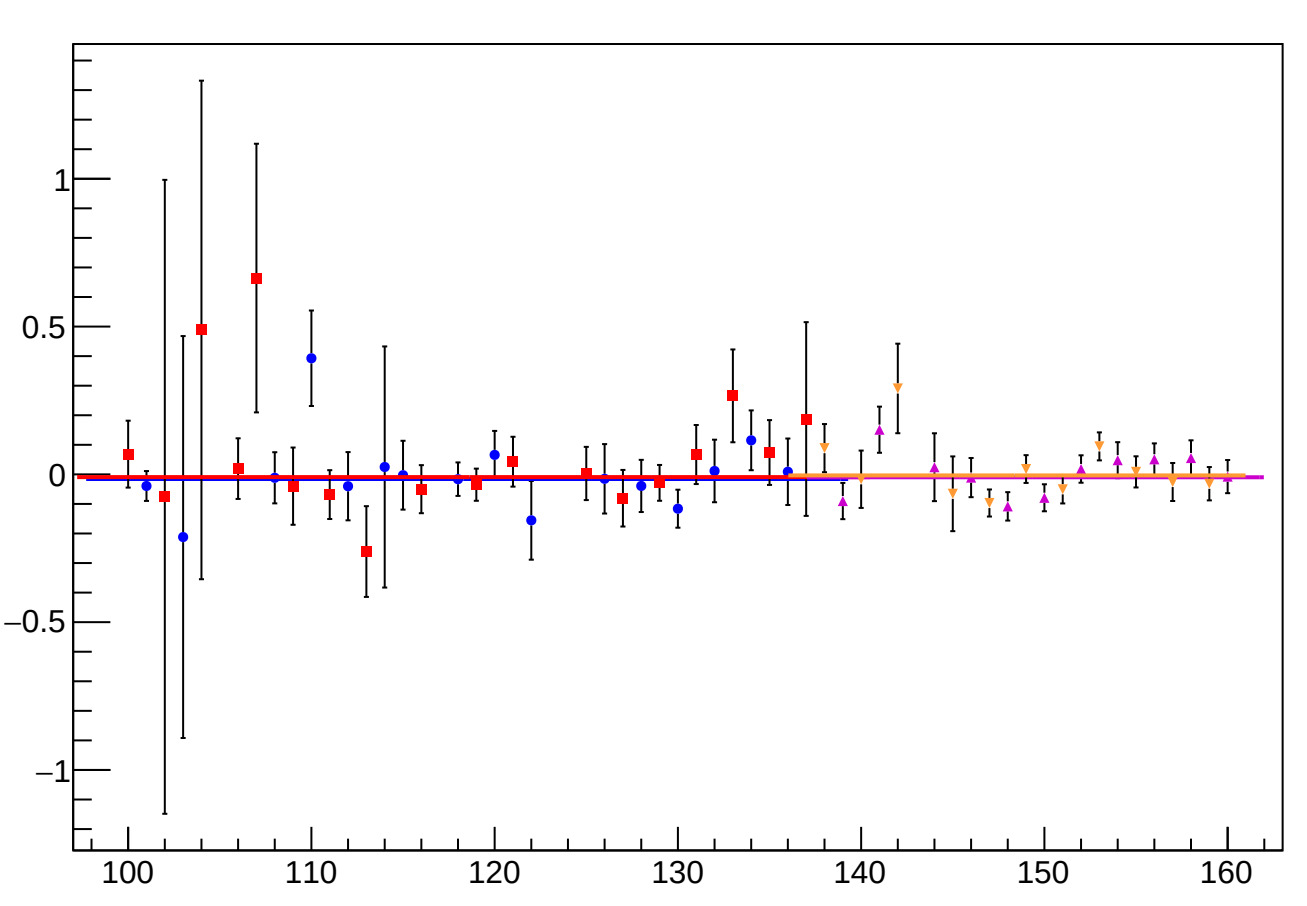
Left: 48.461+/-0.009 χ^2/NDF: 2205726.9/21

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.350+/-0.010 χ^2/NDF:3157833.8/26

Out: 48.690+/-0.010 χ^2/NDF:4398457.9/28

All: 49.551+/-0.007 χ^2/NDF: 7570287.2/55



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+/-0.017 χ^2/NDF:16.3/10

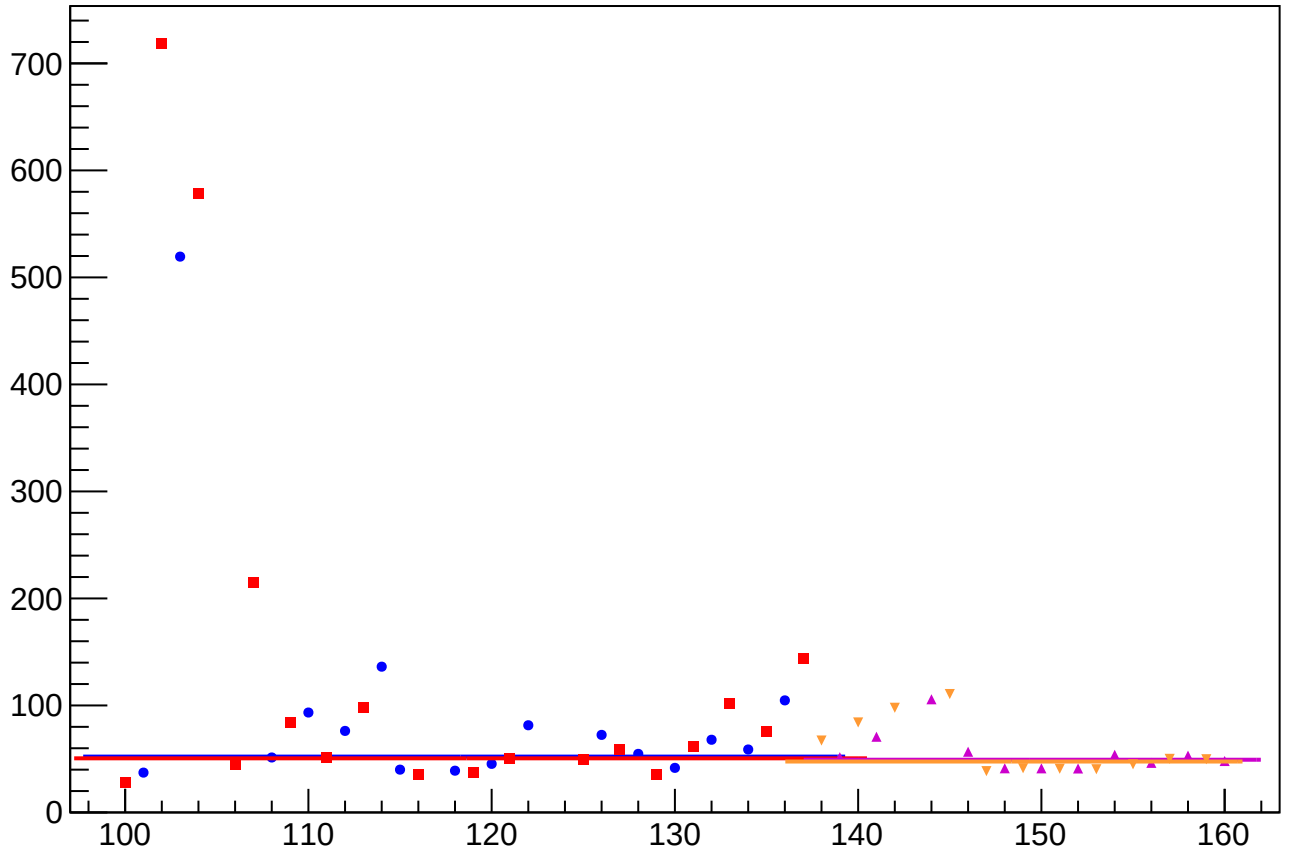
Left: -0.007+/-0.012 χ^2/NDF: 31.7/21

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/55



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: 49.270+/-0.012 χ^2/NDF:869943.0/10

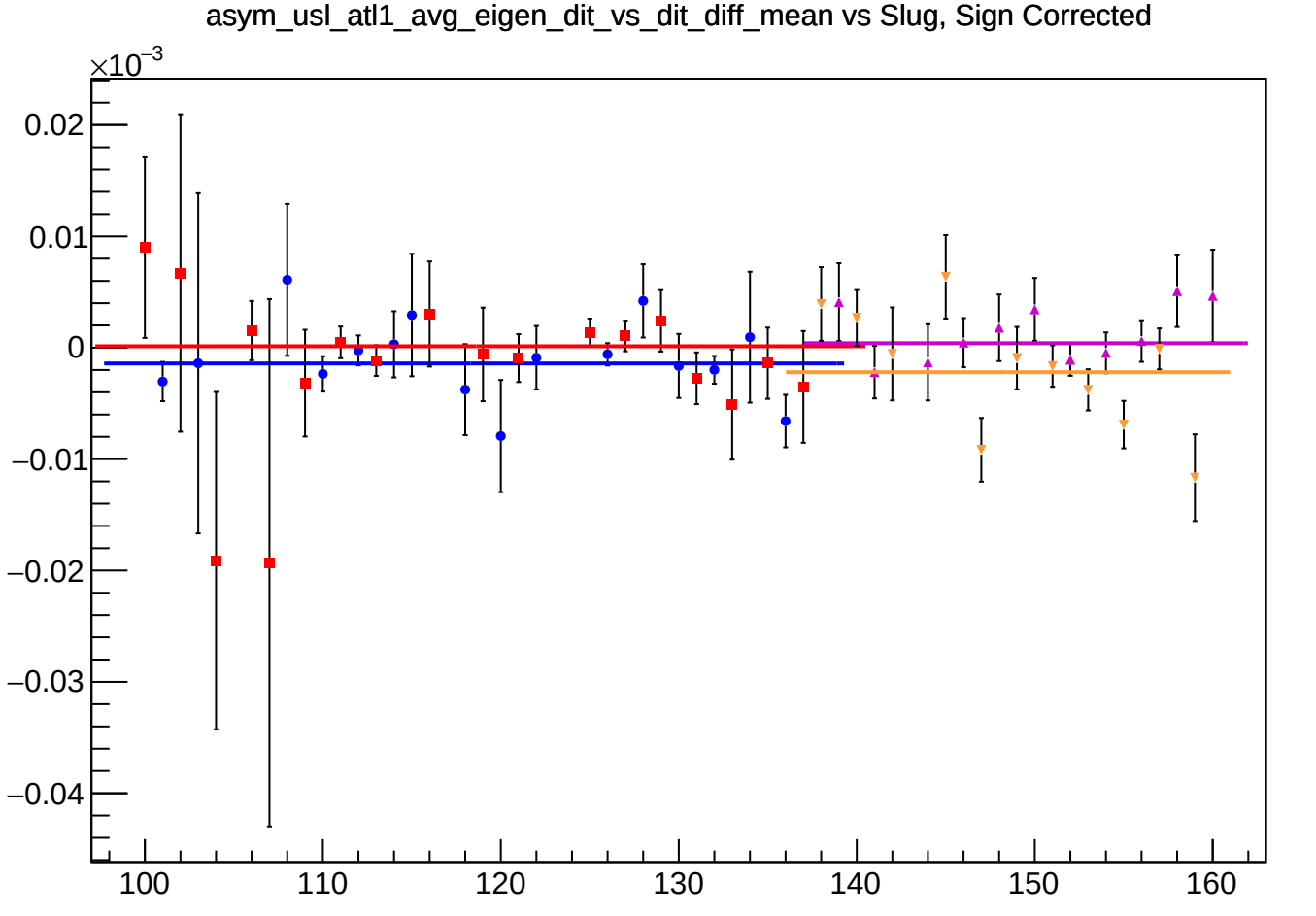
Left: 48.461+/-0.009 χ^2/NDF: 2205726.9/21

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

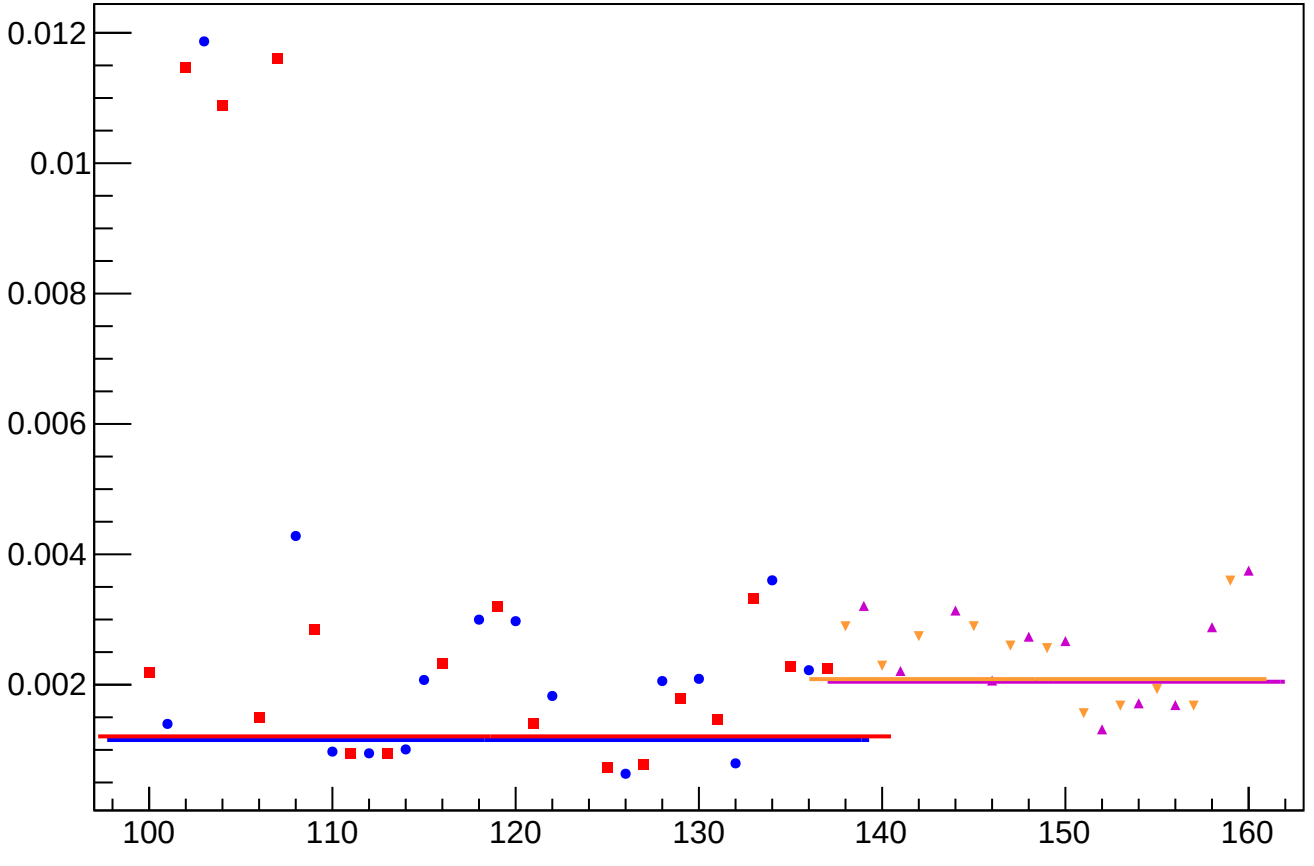
In: 50.350+/-0.010 χ^2/NDF:3157833.8/26

Out: 48.690+/-0.010 χ^2/NDF:4398457.9/28

All: 49.551+/-0.007 χ^2/NDF: 7570287.2/55


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
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:31.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:8.4/10
Left: -0.000+/-0.000 χ²/NDF: 46.5/21
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:27.7/26
Out: -0.000+/-0.000 χ²/NDF:49.5/28
All: -0.000+/-0.000 χ²/NDF: 77.3/55

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1065131.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1771643.2/10

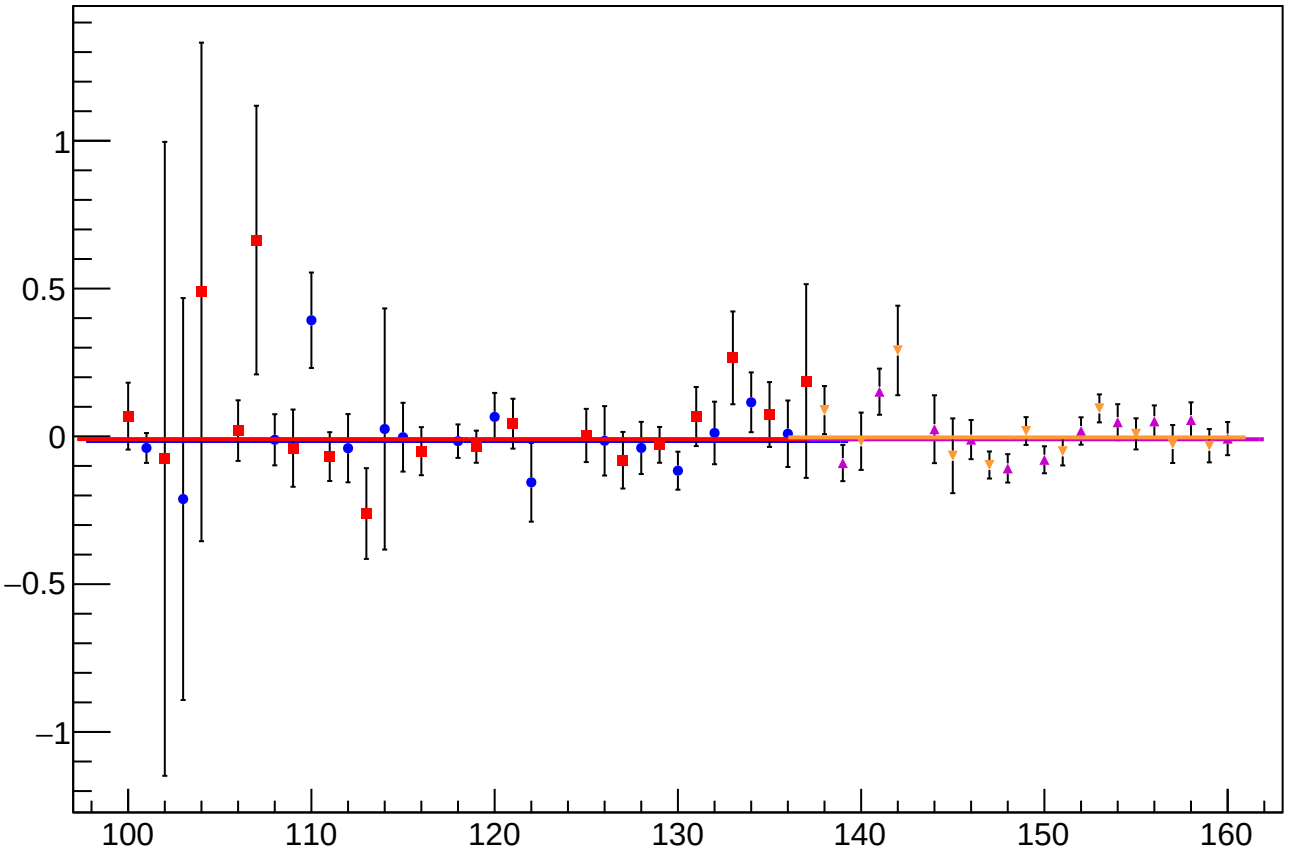
Left: 0.002+/-0.000 χ^2/NDF: 2839860.1/21

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8055275.6/26

Out: 0.002+/-0.000 χ^2/NDF:7366200.8/28

All: 0.001+/-0.000 χ^2/NDF: 15438625.9/55



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+/-0.017 χ^2/NDF:16.3/10

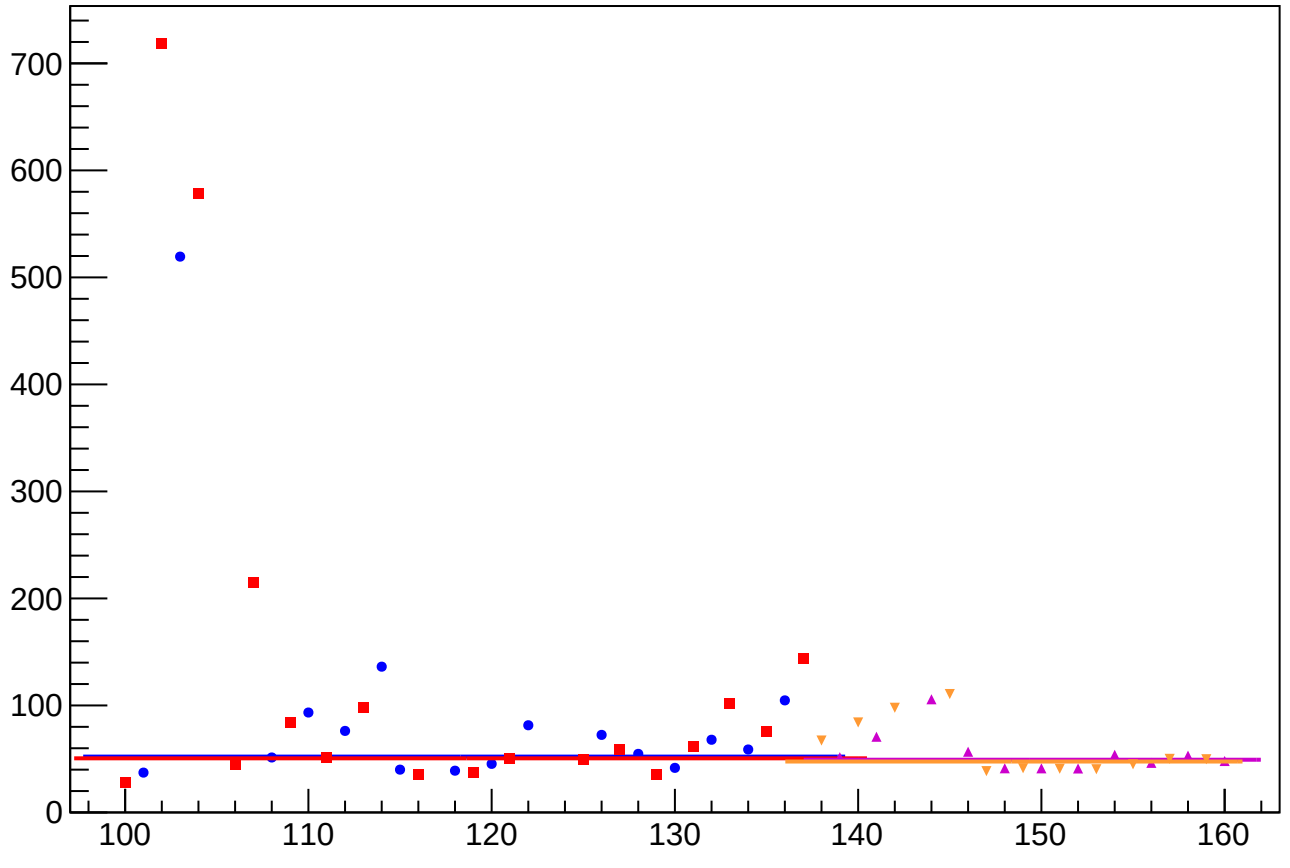
Left: -0.007+/-0.012 χ^2/NDF: 31.7/21

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/55



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: 49.271+/-0.012 χ^2/NDF:869934.2/10

Left: 48.461+/-0.009 χ^2/NDF: 2205699.3/21

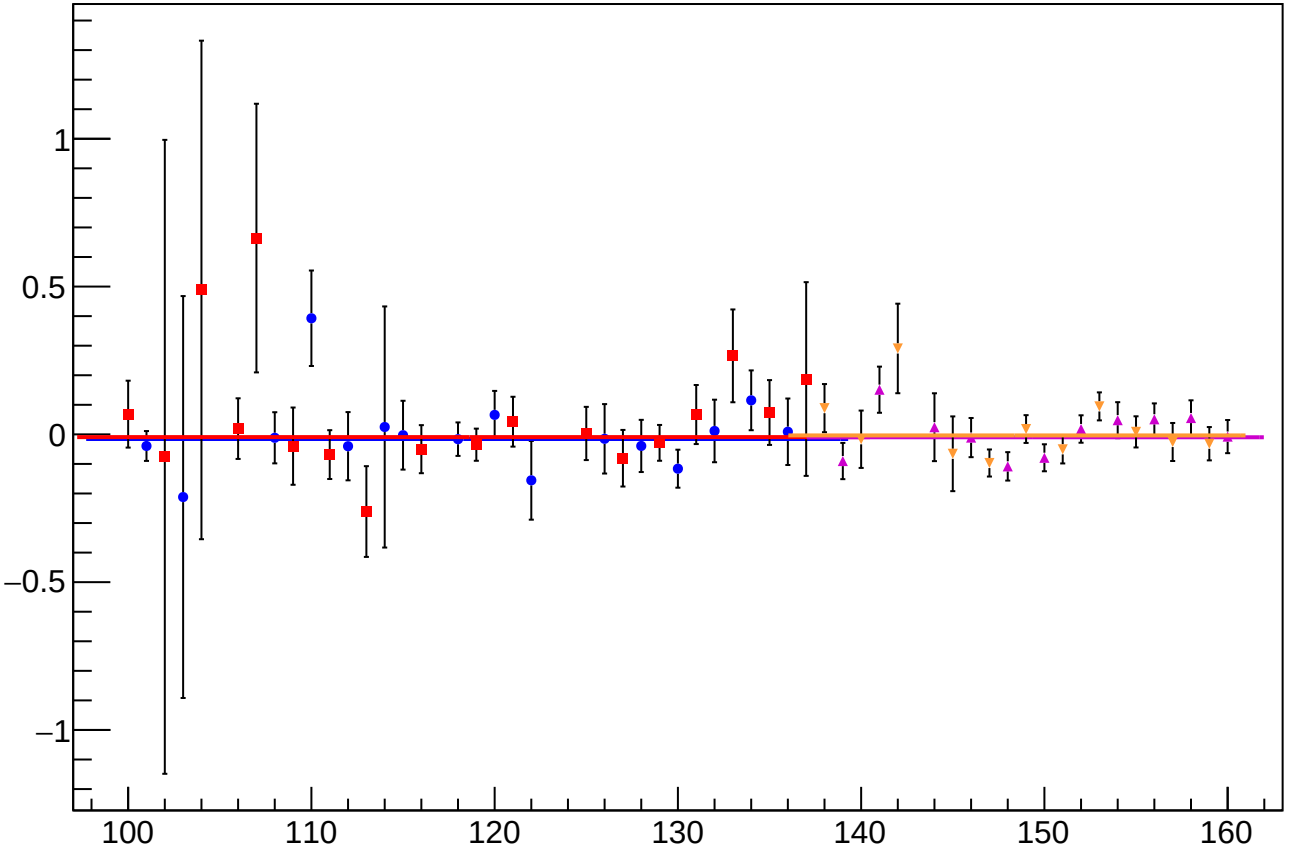
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.351+/-0.010 χ^2/NDF:3157813.5/26

Out: 48.690+/-0.010 χ^2/NDF:4398417.4/28

All: 49.551+/-0.007 χ^2/NDF: 7570228.5/55

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+/-0.017 χ^2/NDF:16.3/10

Left: -0.007+/-0.012 χ^2/NDF: 31.7/21

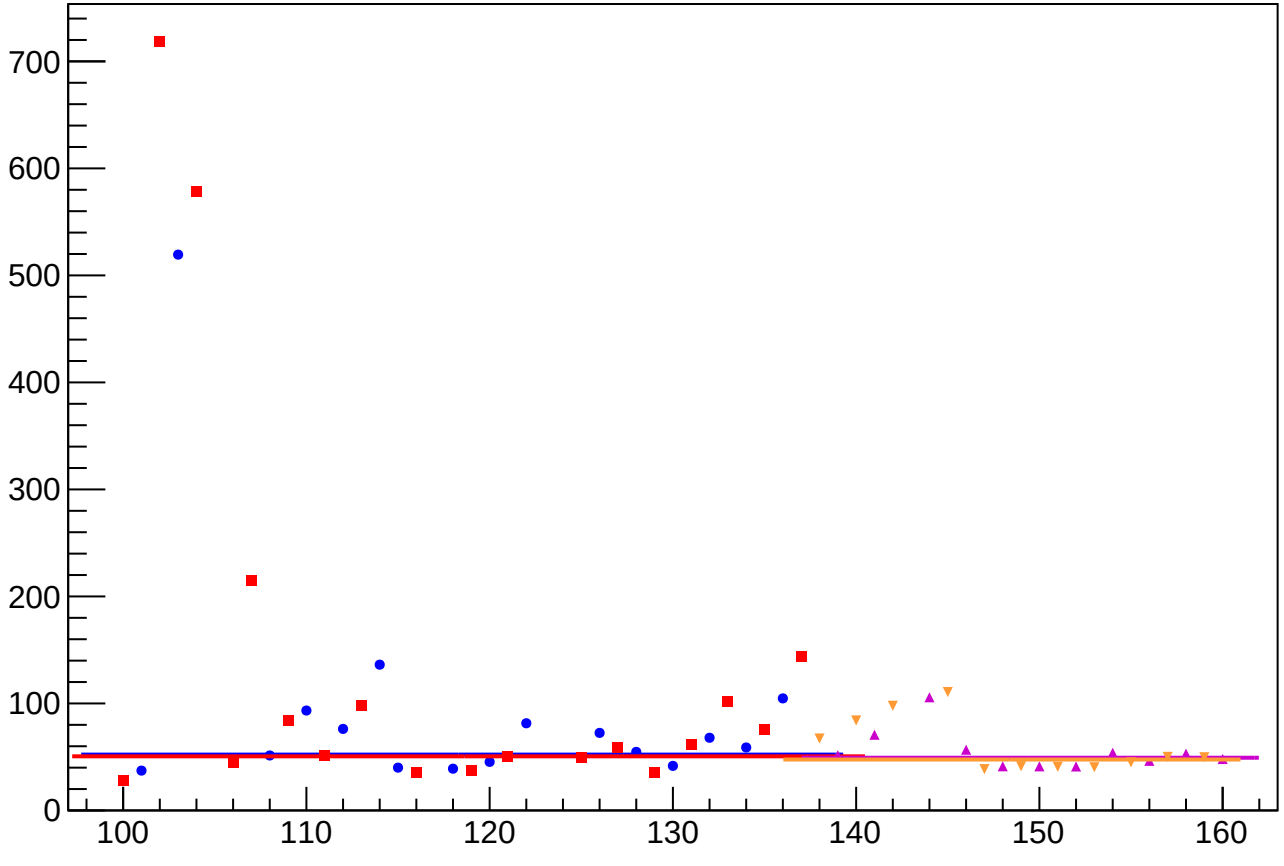
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.006+/-0.014 χ^2/NDF:27.9/28

All: -0.009+/-0.010 χ^2/NDF: 57.5/55

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: 49.271+/-0.012 χ^2/NDF:869934.2/10

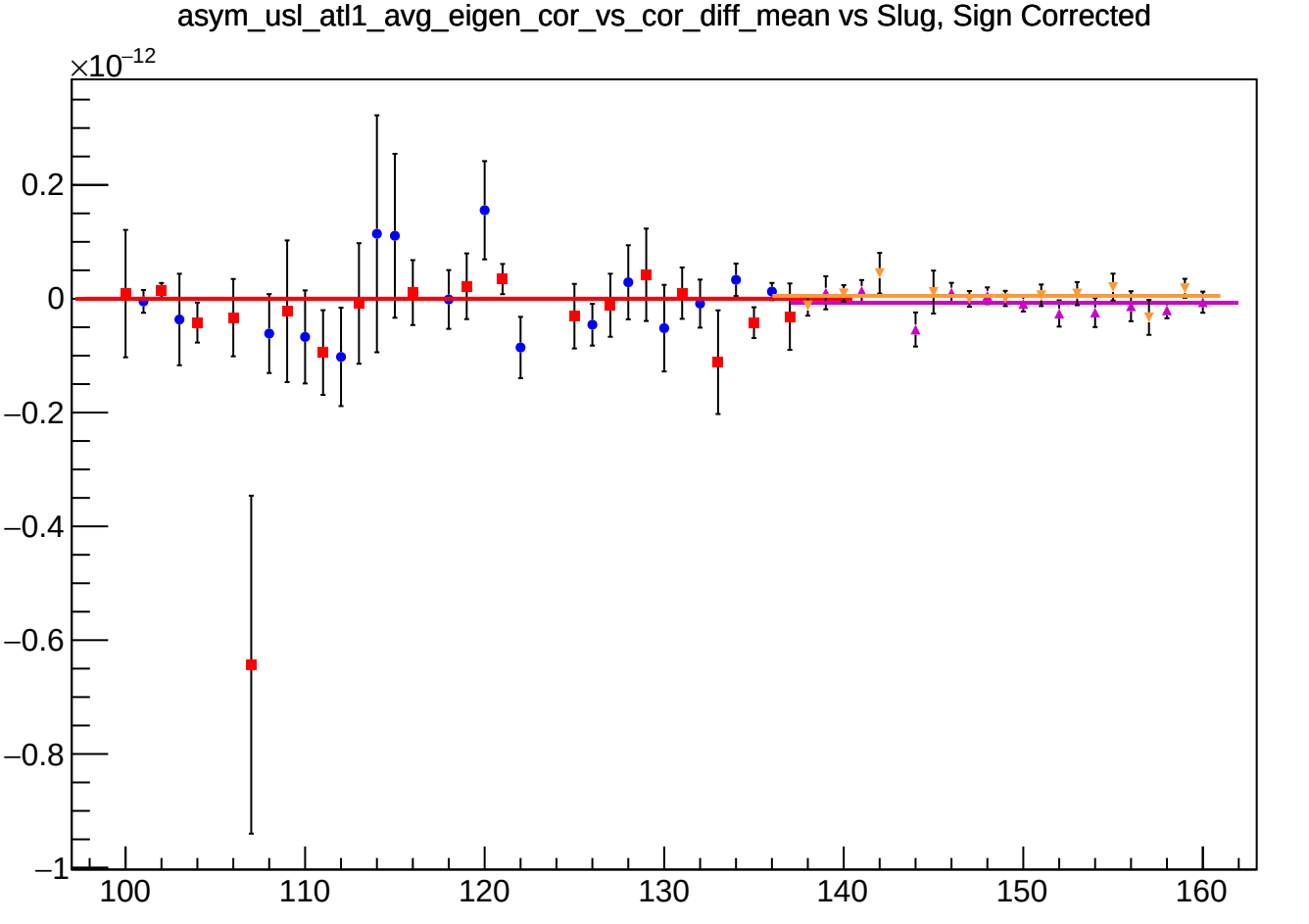
Left: 48.461+/-0.009 χ^2/NDF: 2205699.3/21

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.351+/-0.010 χ^2/NDF:3157813.5/26

Out: 48.690+/-0.010 χ^2/NDF:4398417.4/28

All: 49.551+/-0.007 χ^2/NDF: 7570228.5/55



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:7.9/10

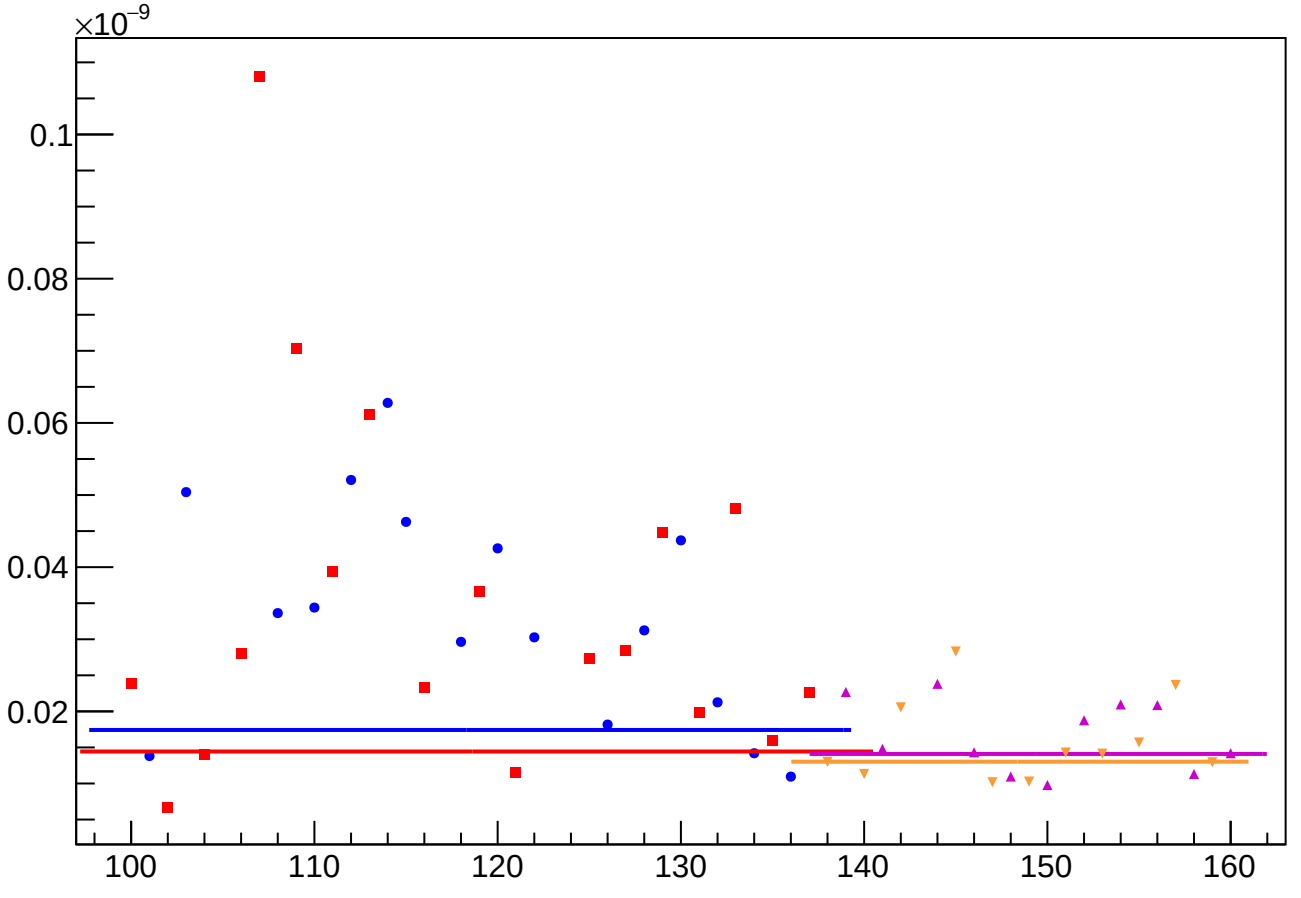
Left: -0.000+/-0.000 χ^2/NDF: 15.4/21

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:22.4/26

Out: 0.000+/-0.000 χ^2/NDF:21.4/28

All: -0.000+/-0.000 χ^2/NDF: 45.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:893022.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1125118.6/10

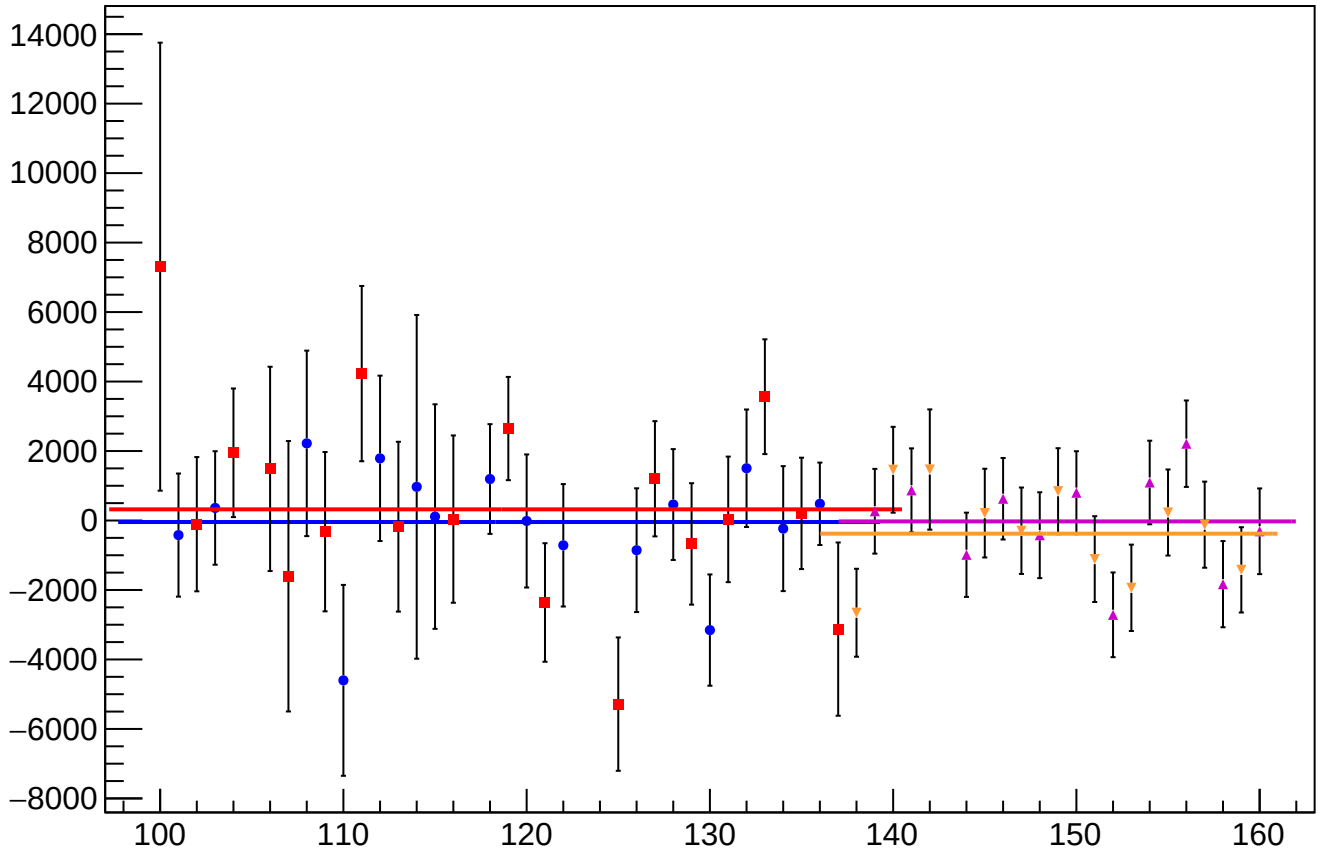
Left: 0.000+/-0.000 χ^2/NDF: 2054585.8/21

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

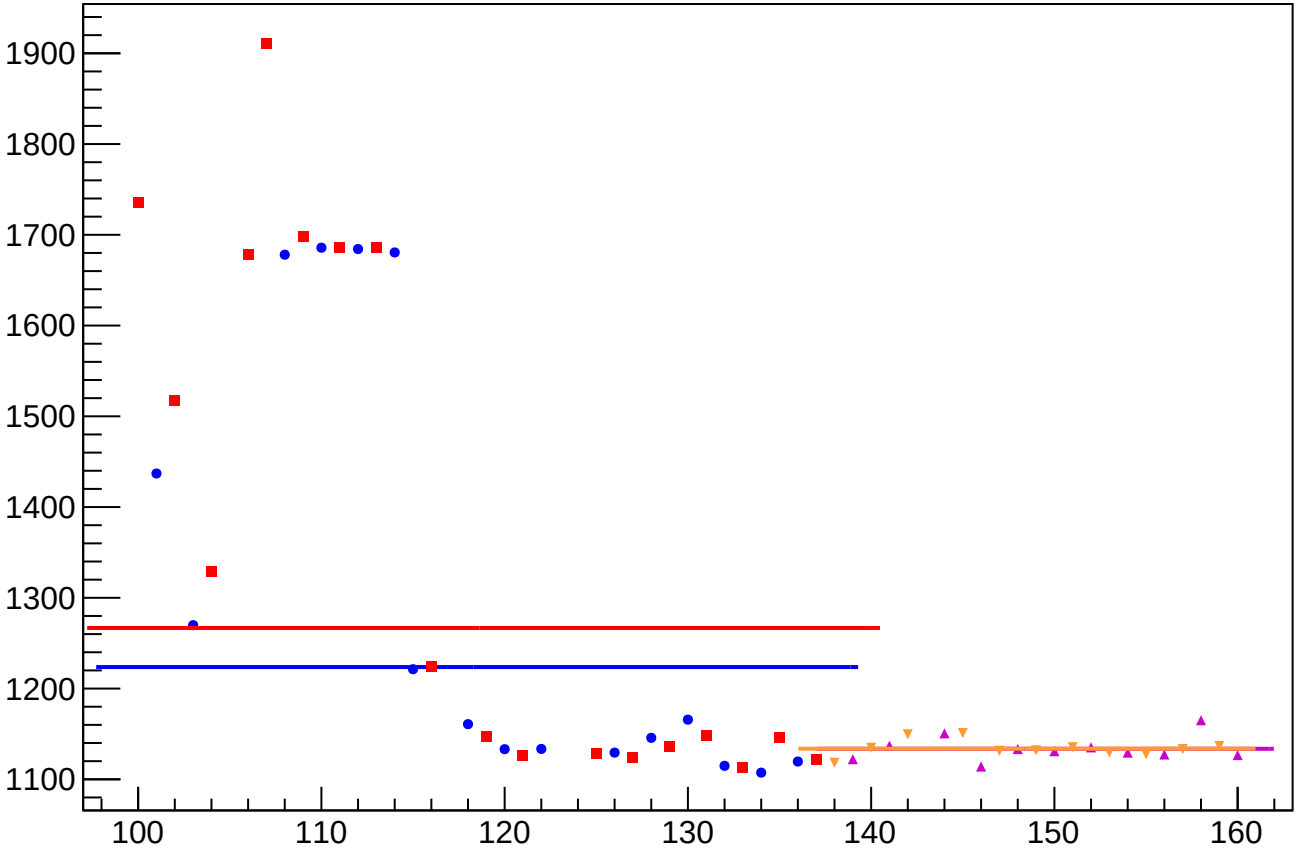
In: 0.000+/-0.000 χ^2/NDF:3534066.0/26

Out: 0.000+/-0.000 χ^2/NDF:4189937.9/28

All: 0.000+/-0.000 χ^2/NDF: 7829345.0/55


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: -26.005+/-366.675 χ²/NDF:13.3/10
Left: -194.431+/-265.079 χ²/NDF: 24.4/21
Right: 132.654+/-330.136 χ²/NDF: 35.2/33
In: -32.887+/-286.539 χ²/NDF:23.4/26
Out: -102.375+/-298.447 χ²/NDF:36.8/28
All: -66.217+/-206.695 χ²/NDF: 60.2/55

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: 1133.640+/-0.259 χ^2/NDF:2580.6/10

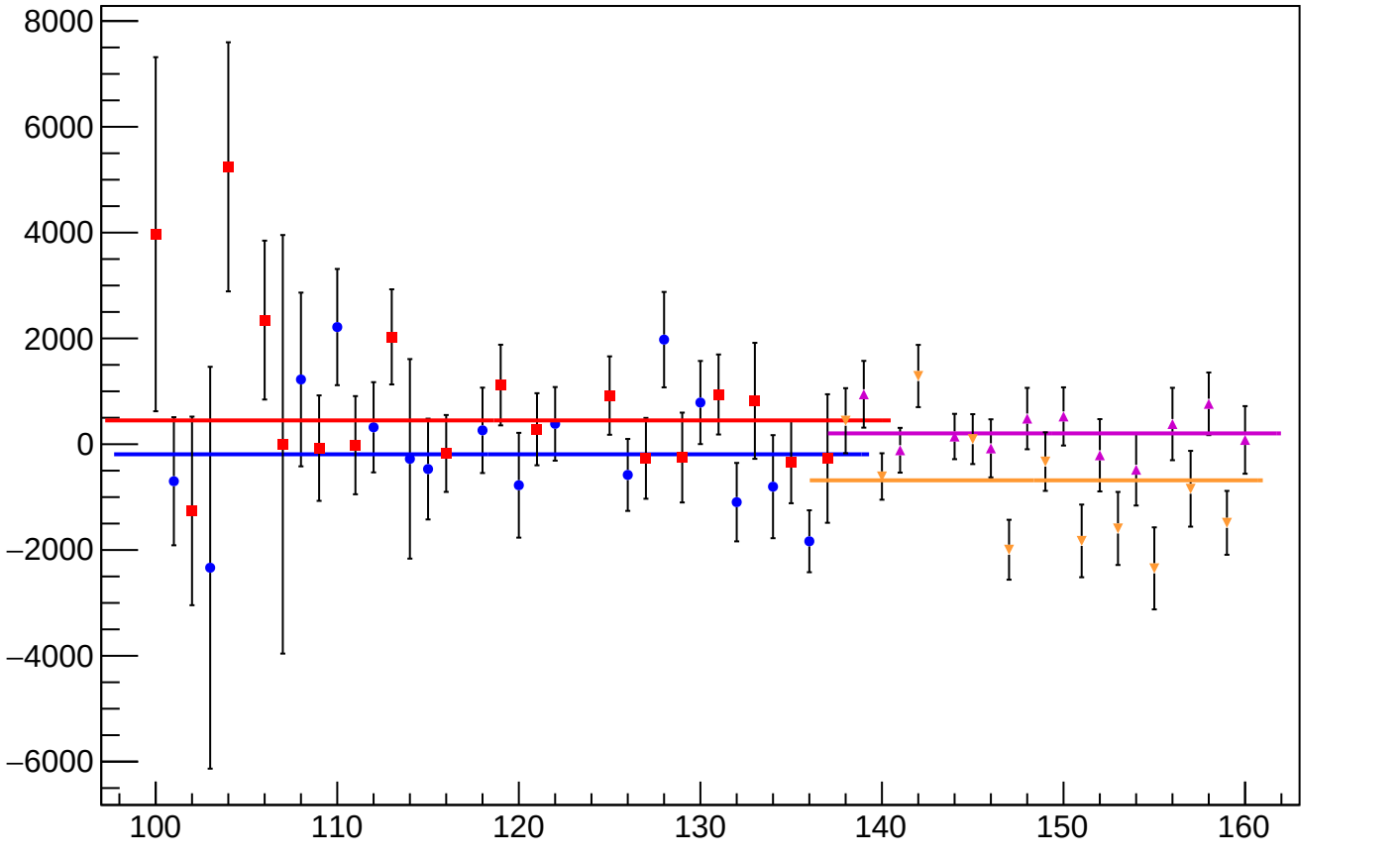
Left: 1133.703+/-0.187 χ^2/NDF: 3517.2/21

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1168.705+/-0.203 χ^2/NDF:344525.9/26

Out: 1186.294+/-0.211 χ^2/NDF:528699.2/28

All: 1177.142+/-0.146 χ^2/NDF: 876839.7/55



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: 204.575+/-169.295 χ^2/NDF:5.2/10

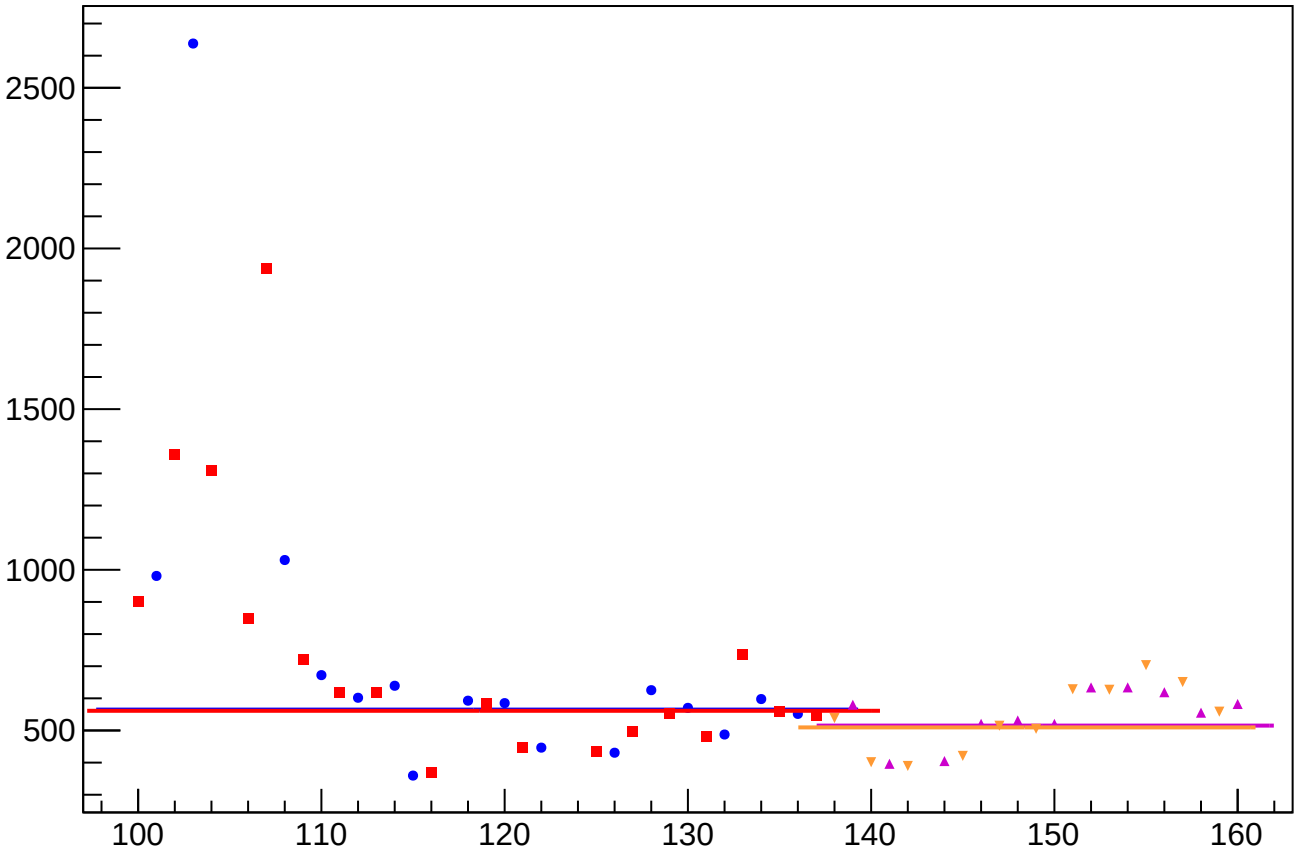
Left: -221.112+/-122.105 χ^2/NDF: 52.4/21

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 59.971+/-134.811 χ^2/NDF:32.4/26

Out: -247.612+/-138.339 χ^2/NDF:66.7/28

All: -89.849+/-96.549 χ^2/NDF: 101.7/55



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: 515.149+/-0.120 χ^2/NDF:513056.9/10

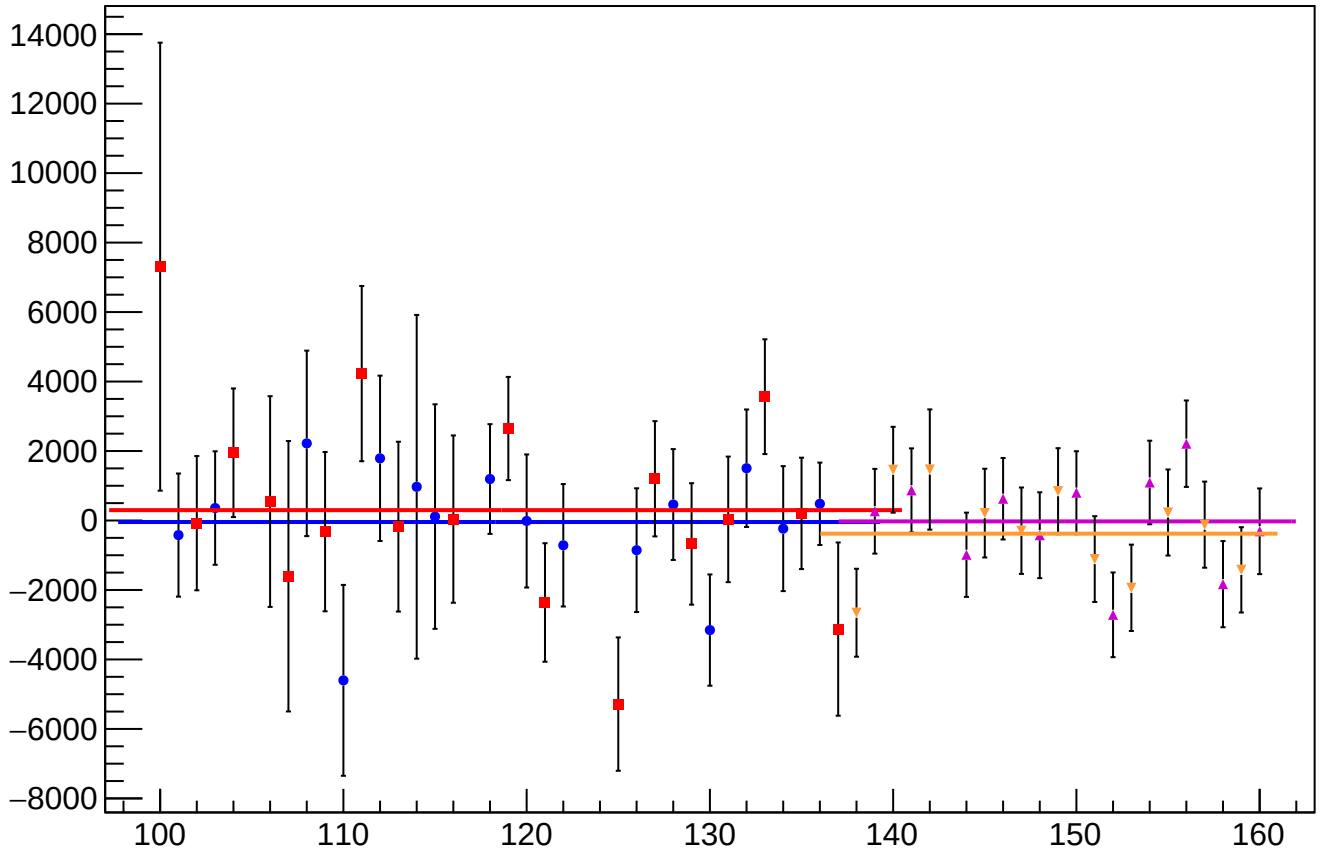
Left: 512.452+/-0.086 χ^2/NDF: 1127583.7/21

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 533.374+/-0.095 χ^2/NDF:1860881.3/26

Out: 529.394+/-0.098 χ^2/NDF:2031830.8/28

All: 531.436+/-0.068 χ^2/NDF: 3893561.2/55



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: -26.040+/-366.675 χ^2/NDF:13.3/10

Left: -194.417+/-265.079 χ^2/NDF: 24.4/21

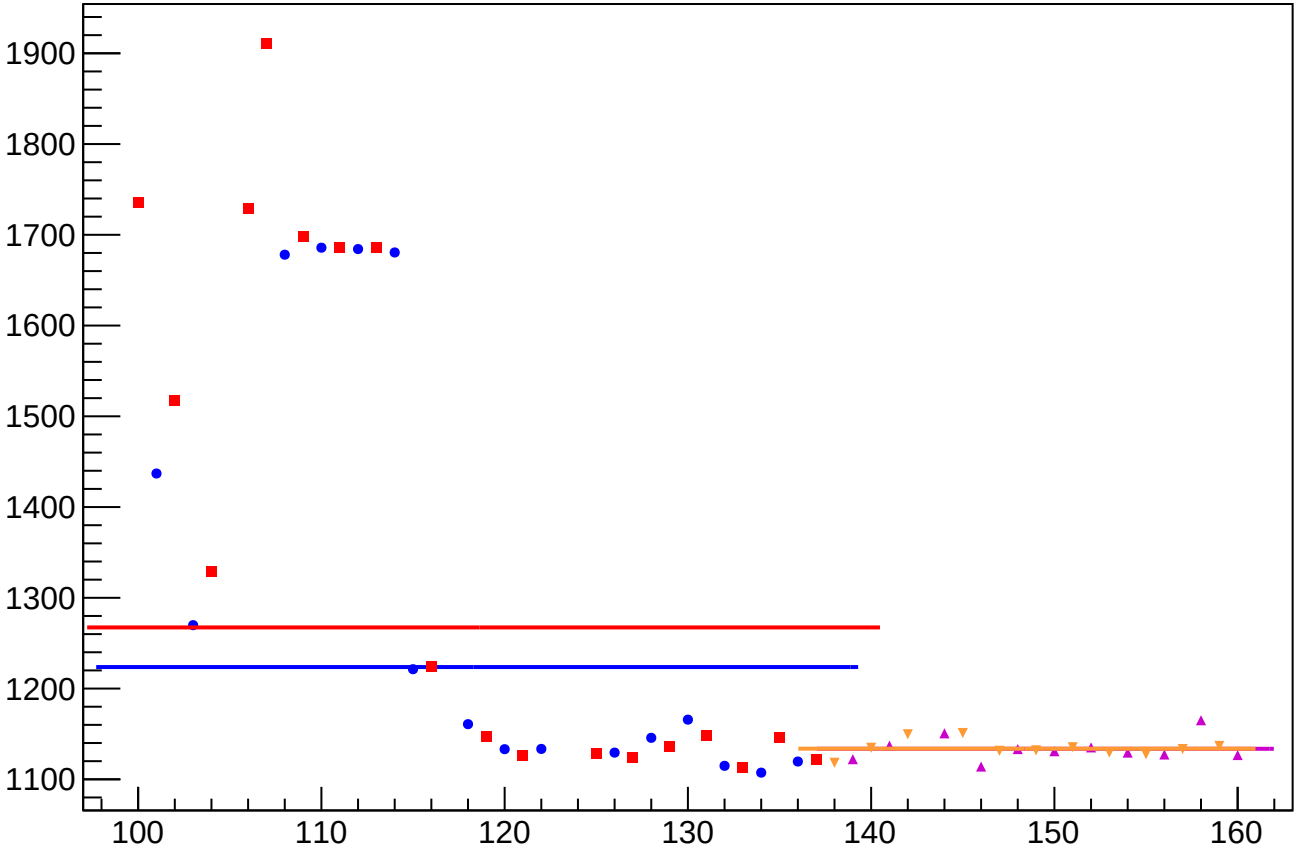
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -33.002+/-286.539 χ^2/NDF:23.4/26

Out: -111.695+/-298.540 χ^2/NDF:36.6/28

All: -70.735+/-206.726 χ^2/NDF: 60.0/55

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: 1133.640+/-0.259 χ^2/NDF:2580.6/10

Left: 1133.703+/-0.187 χ^2/NDF: 3517.2/21

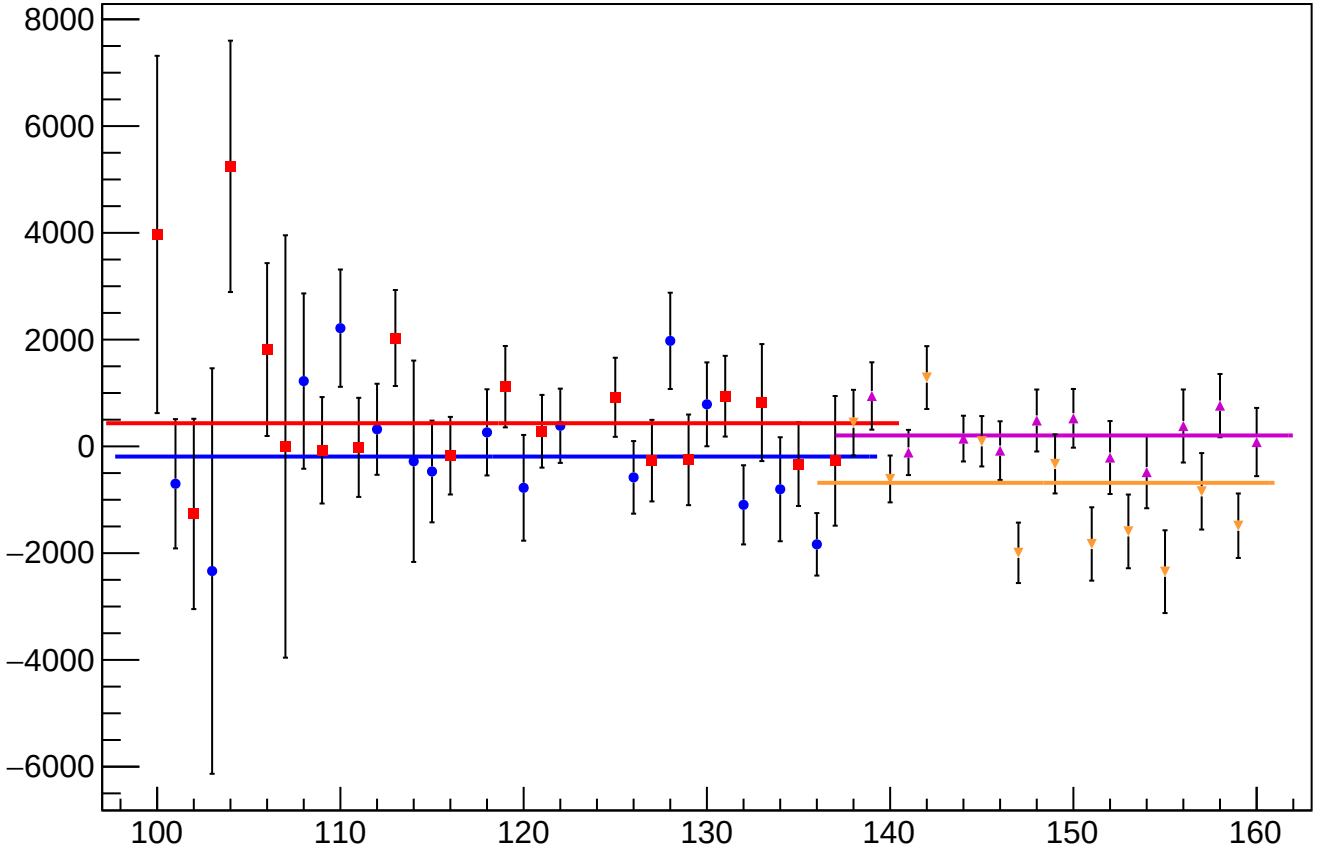
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1168.705+/-0.203 χ^2/NDF:344526.0/26

Out: 1186.474+/-0.211 χ^2/NDF:536579.1/28

All: 1177.225+/-0.146 χ^2/NDF: 884792.8/55

asym_usl_atl1_dd_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: 204.567+/-169.296 χ^2/NDF:5.2/10

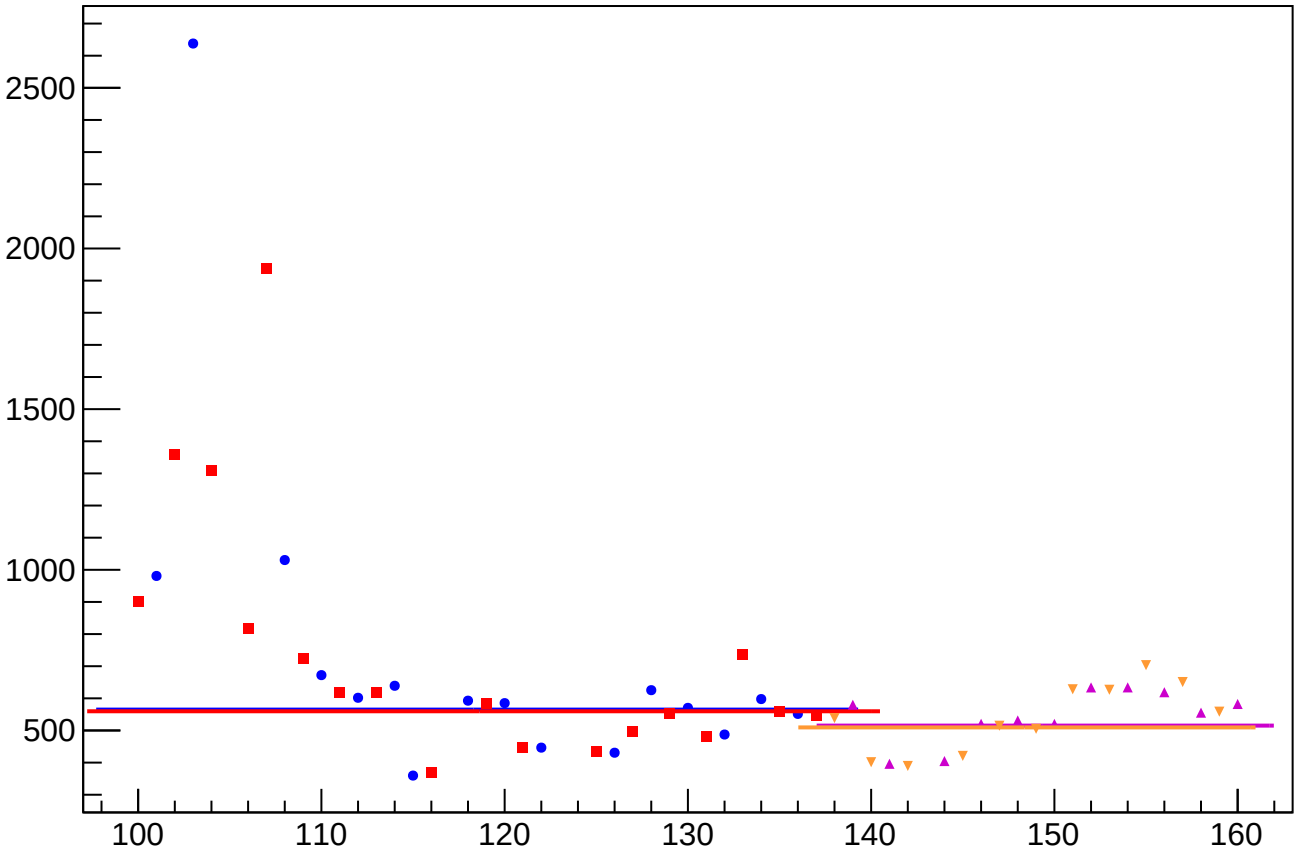
Left: -221.112+/-122.104 χ^2/NDF: 52.4/21

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 59.960+/-134.811 χ^2/NDF:32.4/26

Out: -254.554+/-138.421 χ^2/NDF:65.4/28

All: -93.143+/-96.577 χ^2/NDF: 100.5/55



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: 515.151+/-0.120 χ^2/NDF:513025.6/10

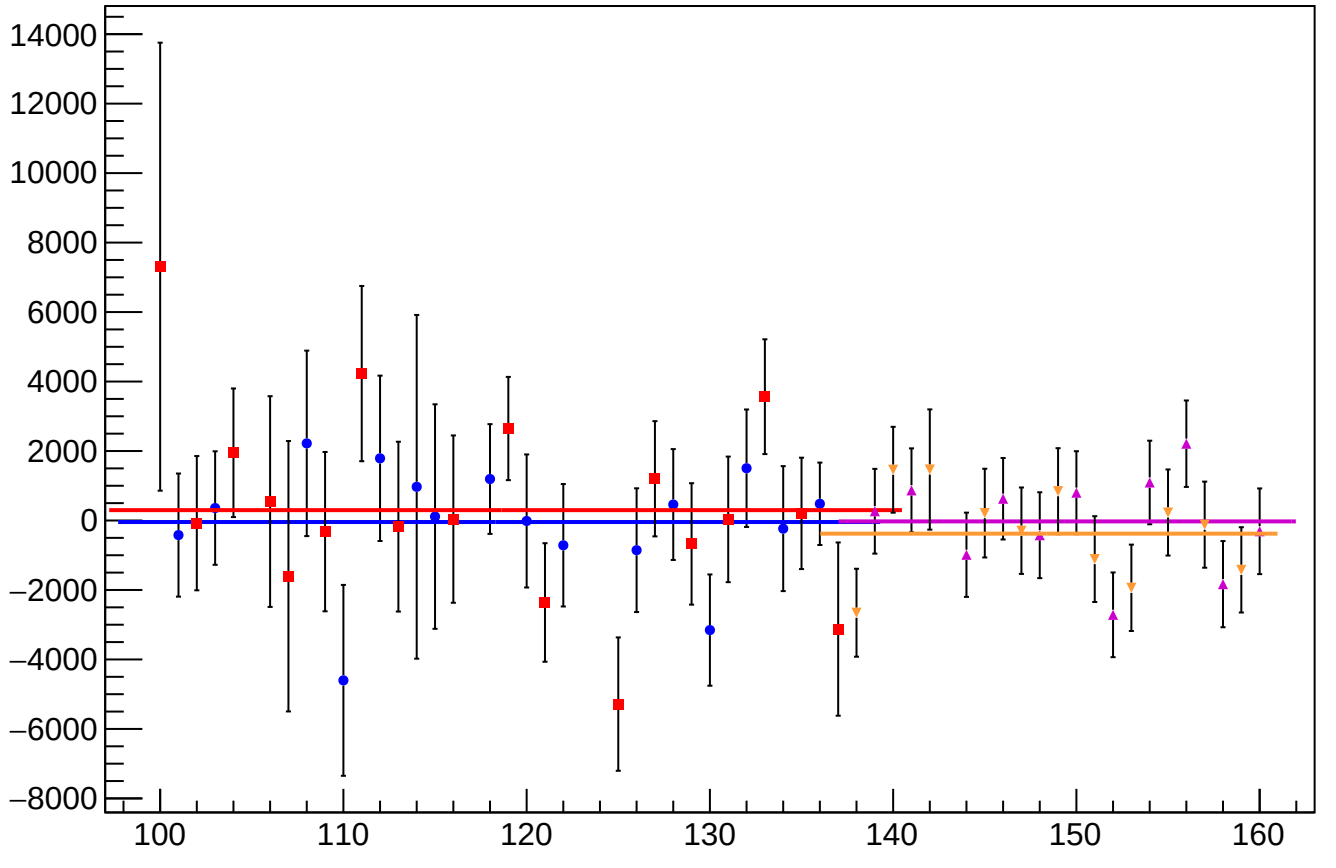
Left: 512.452+/-0.086 χ^2/NDF: 1127531.6/21

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 533.374+/-0.095 χ^2/NDF:1860812.1/26

Out: 528.785+/-0.098 χ^2/NDF:2005068.6/28

All: 531.140+/-0.068 χ^2/NDF: 3867008.5/55



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: -26.040+/-366.675 χ^2/NDF:13.3/10

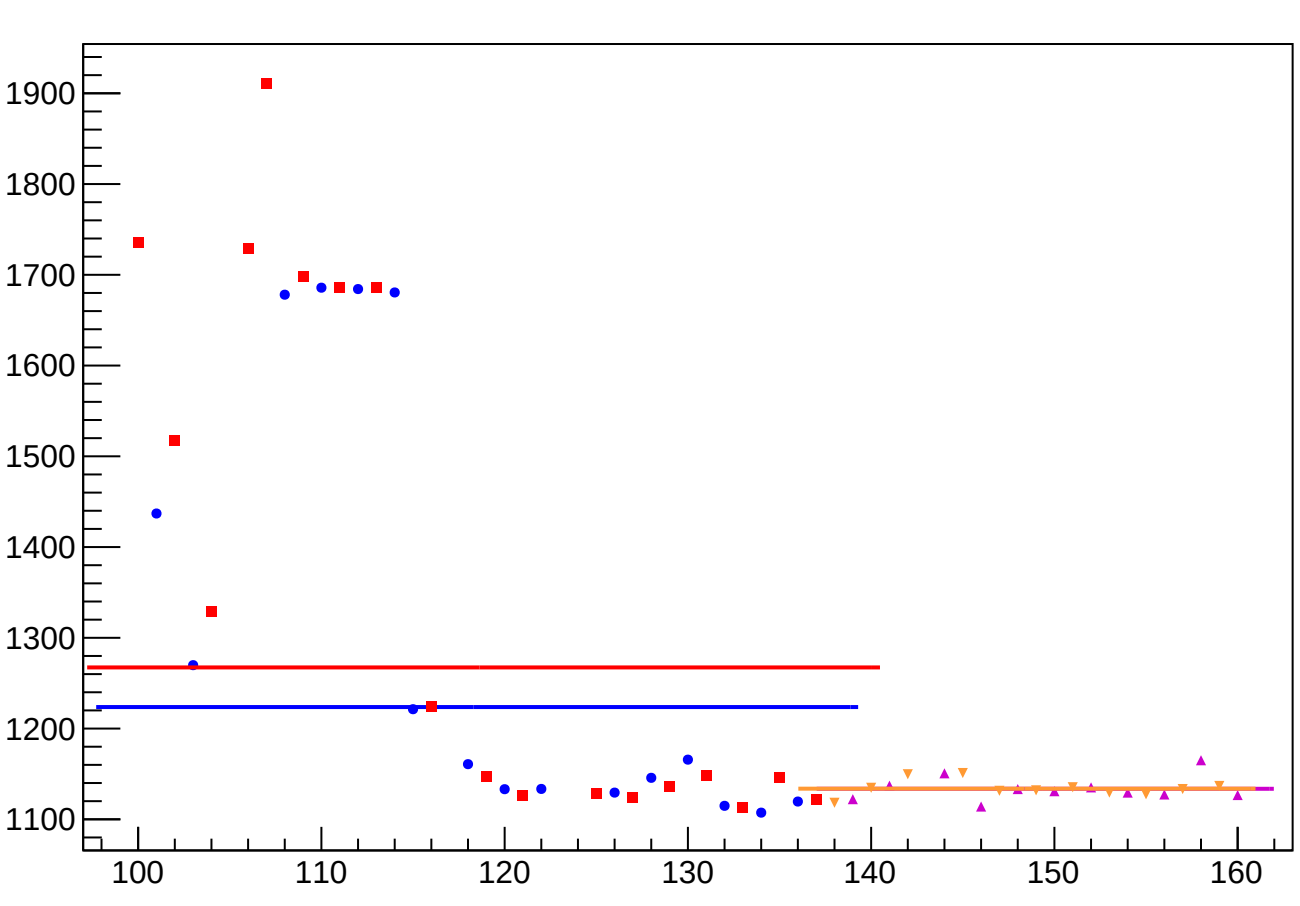
Left: -194.417+/-265.079 χ^2/NDF: 24.4/21

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -33.002+/-286.539 χ^2/NDF:23.4/26

Out: -111.695+/-298.540 χ^2/NDF:36.6/28

All: -70.735+/-206.726 χ^2/NDF: 60.0/55



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: 1133.640+/-0.259 χ^2/NDF:2580.6/10

Left: 1133.703+/-0.187 χ^2/NDF: 3517.2/21

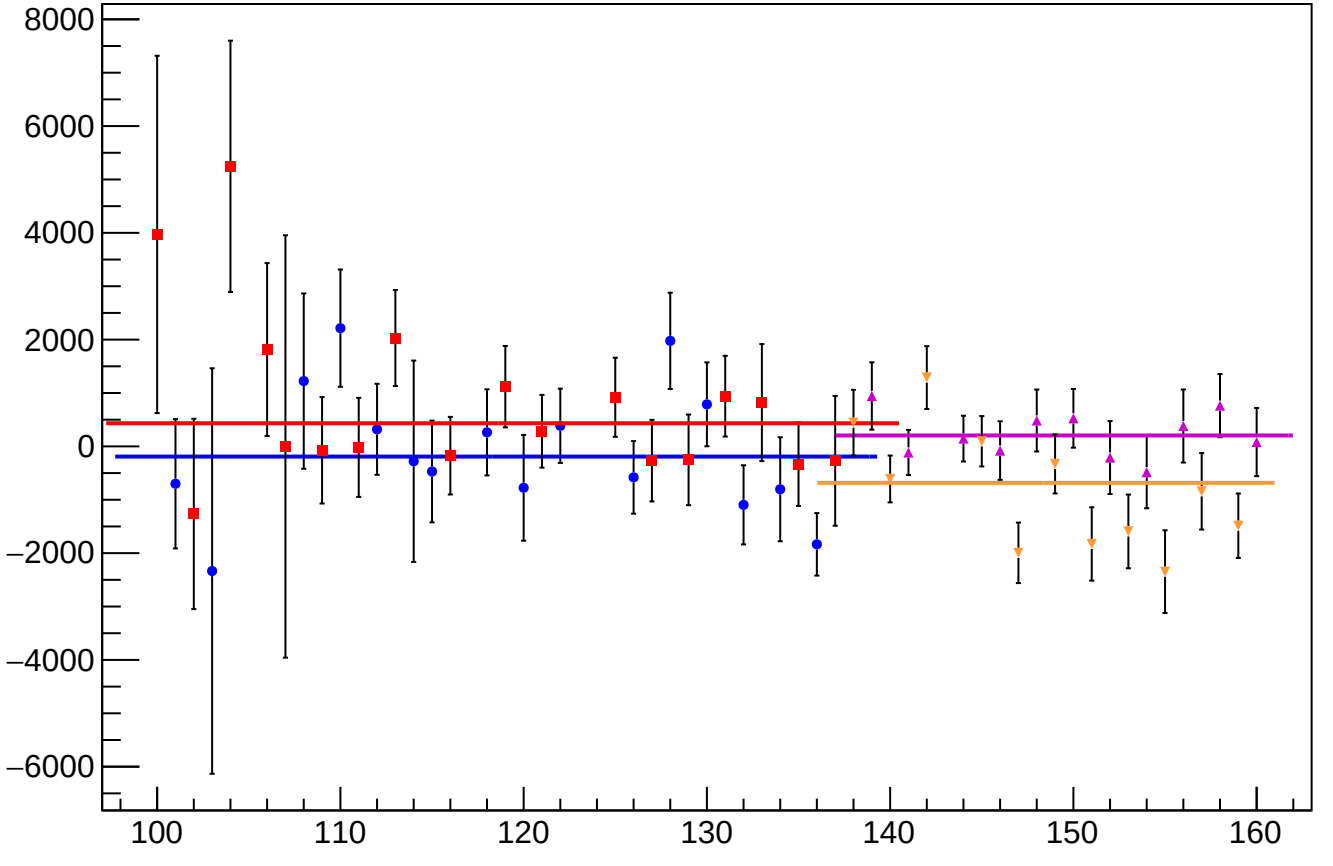
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1168.705+/-0.203 χ^2/NDF:344526.0/26

Out: 1186.474+/-0.211 χ^2/NDF:536579.1/28

All: 1177.225+/-0.146 χ^2/NDF: 884792.8/55

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: 204.567+/-169.296 χ^2/NDF:5.2/10

Left: -221.112+/-122.104 χ^2/NDF: 52.4/21

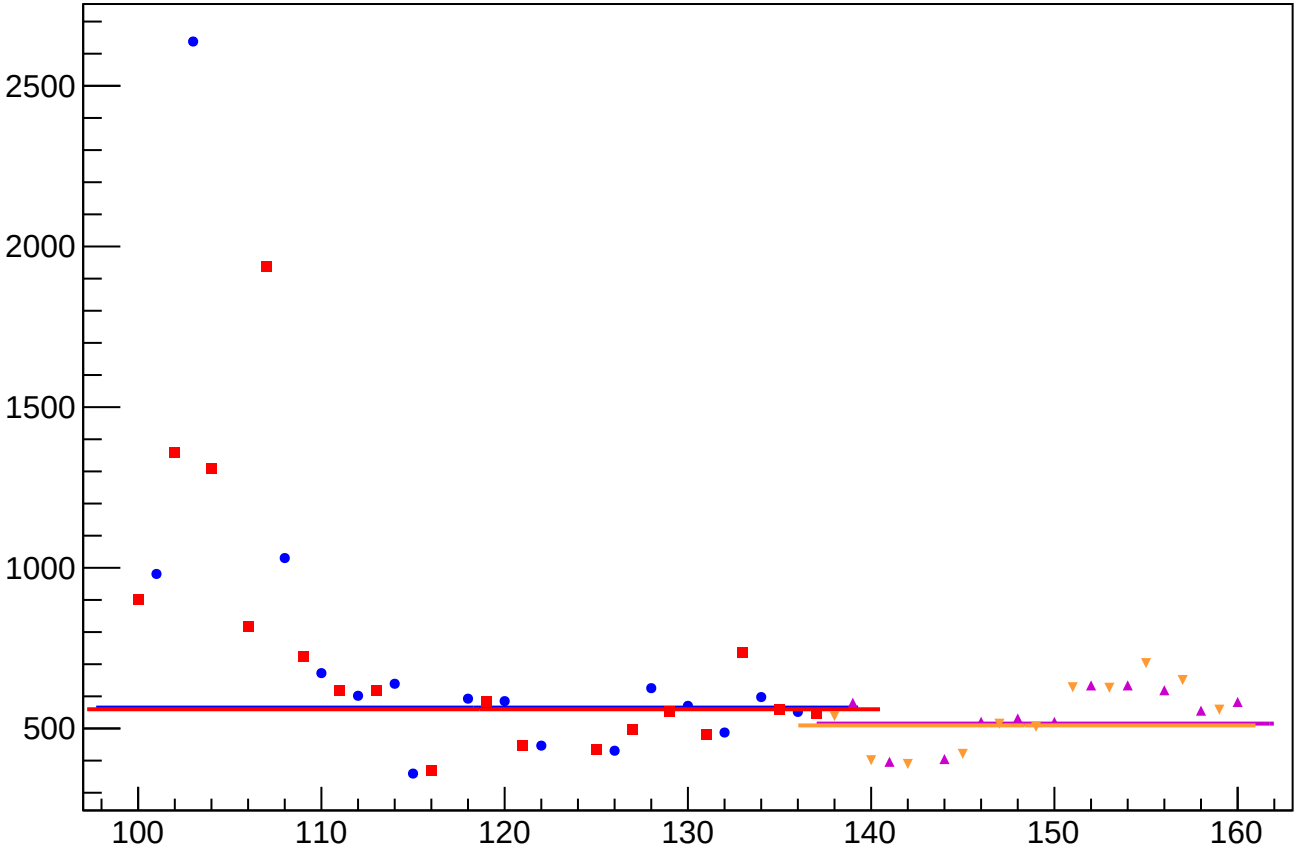
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 59.960+/-134.811 χ^2/NDF:32.4/26

Out: -254.554+/-138.421 χ^2/NDF:65.4/28

All: -93.143+/-96.577 χ^2/NDF: 100.5/55

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 509.526+/-0.125 χ^2/NDF:613446.8/10

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

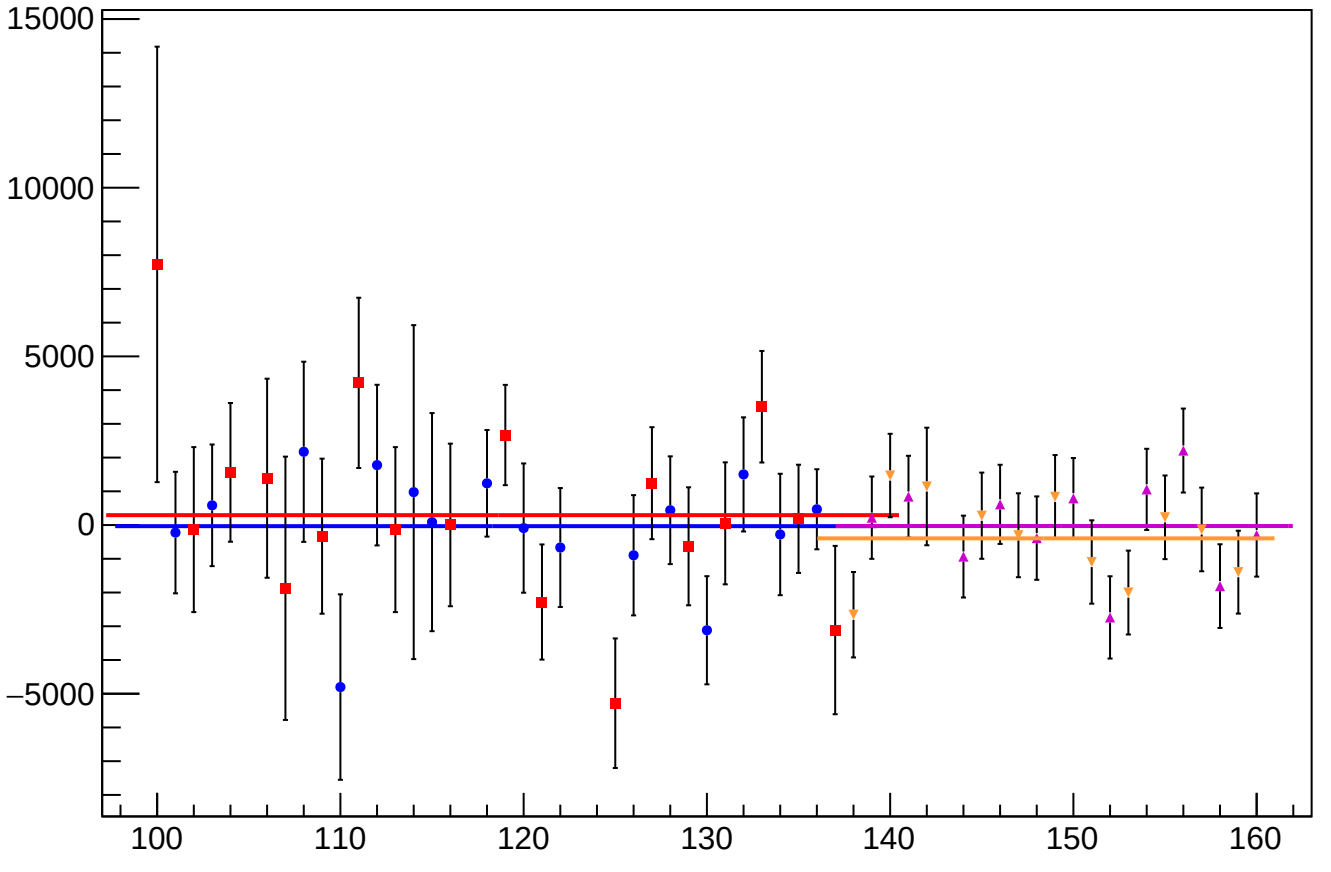
Left: 512.452+/-0.086 χ^2/NDF: 1127531.6/21

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 533.374+/-0.095 χ^2/NDF:1860812.1/26

Out: 528.785+/-0.098 χ^2/NDF:2005068.6/28

All: 531.140+/-0.068 χ^2/NDF: 3867008.5/55



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: -28.954+/-366.811 χ^2/NDF:13.1/10

Left: -203.302+/-265.223 χ^2/NDF: 24.0/21

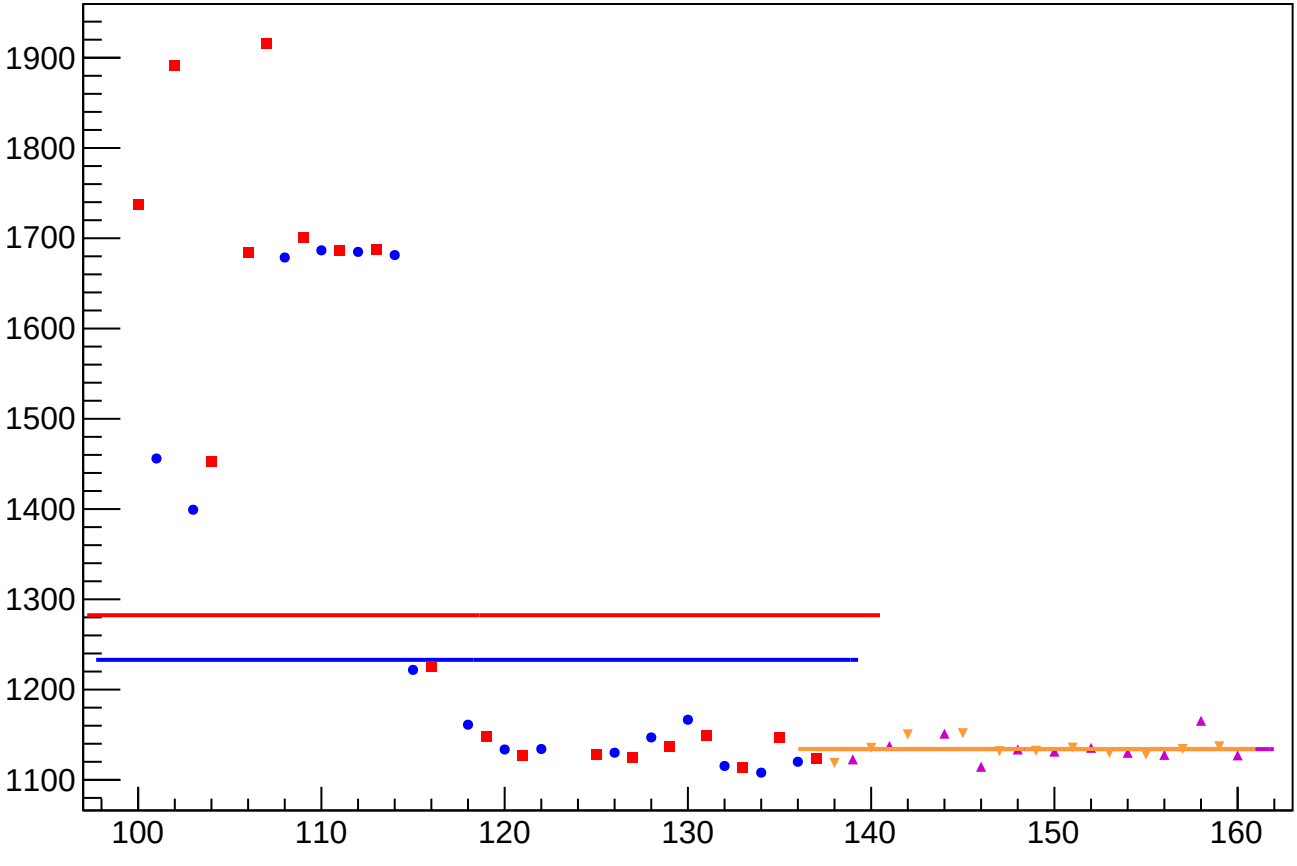
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -30.538+/-287.567 χ^2/NDF:23.3/26

Out: -128.596+/-300.753 χ^2/NDF:36.0/28

All: -77.370+/-207.846 χ^2/NDF: 59.3/55

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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: 1134.062+/-0.259 χ^2/NDF:2579.0/10

Left: 1134.148+/-0.188 χ^2/NDF: 3525.0/21

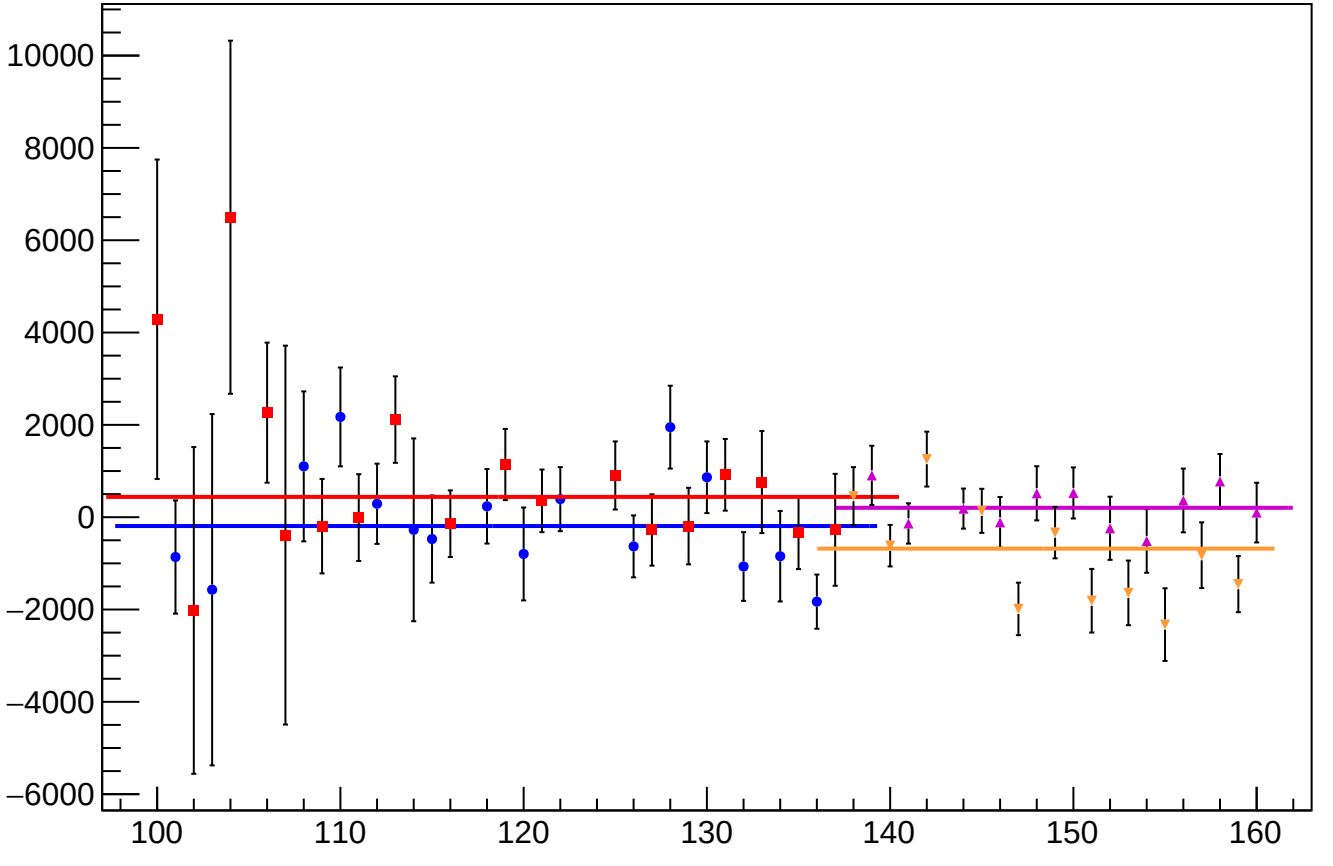
Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1172.179+/-0.203 χ^2/NDF:374086.8/26

Out: 1191.491+/-0.213 χ^2/NDF:659432.2/28

All: 1181.403+/-0.147 χ^2/NDF: 1037827.2/55

asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected



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: 203.640+/-171.371 χ^2/NDF:5.3/10

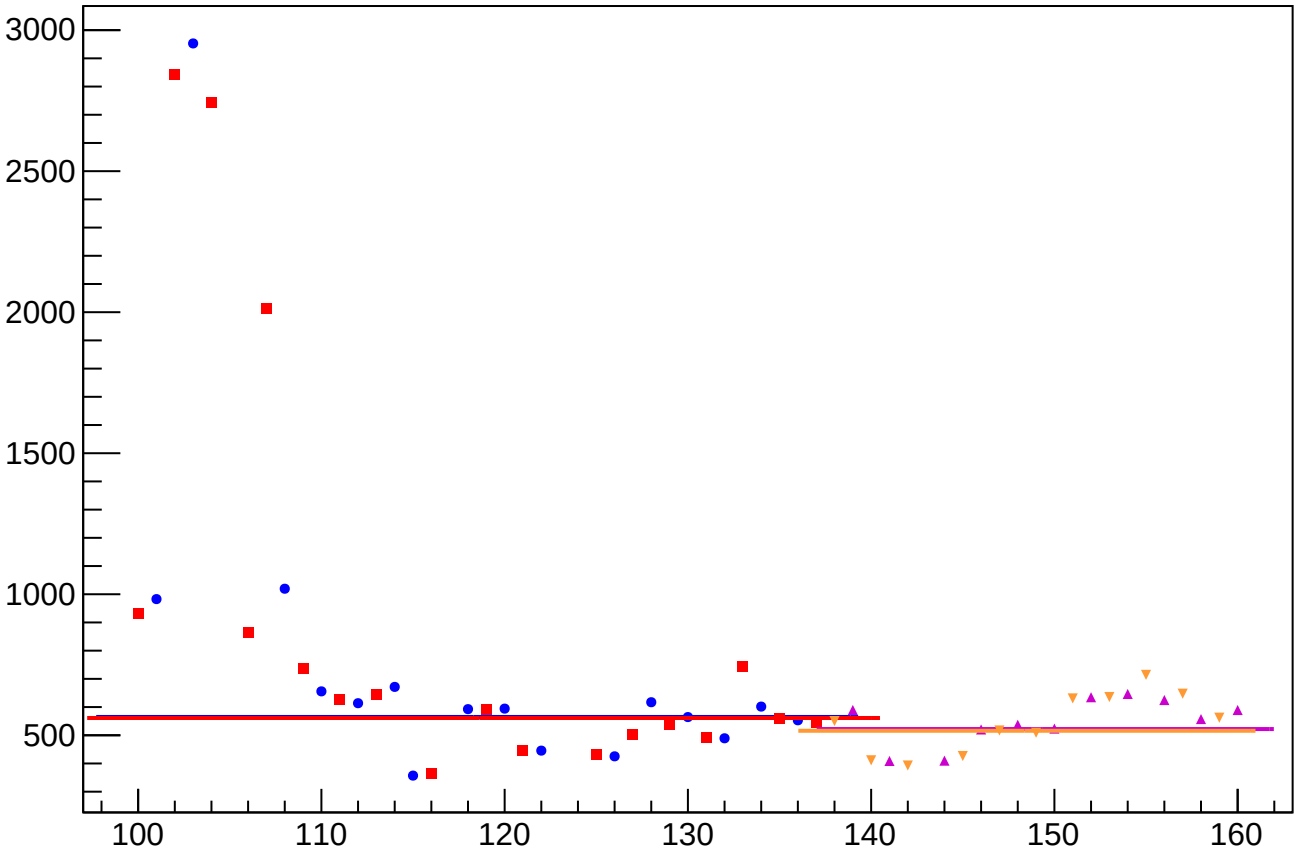
Left: -220.983+/-123.563 χ^2/NDF: 51.1/21

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 56.722+/-135.828 χ^2/NDF:32.5/26

Out: -252.279+/-140.136 χ^2/NDF:62.8/28

All: -92.956+/-97.532 χ^2/NDF: 97.9/55



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 515.959+/-0.126 χ^2/NDF:591241.9/10

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 522.050+/-0.121 χ^2/NDF:484309.9/10

Left: 519.125+/-0.087 χ^2/NDF: 1076764.9/21

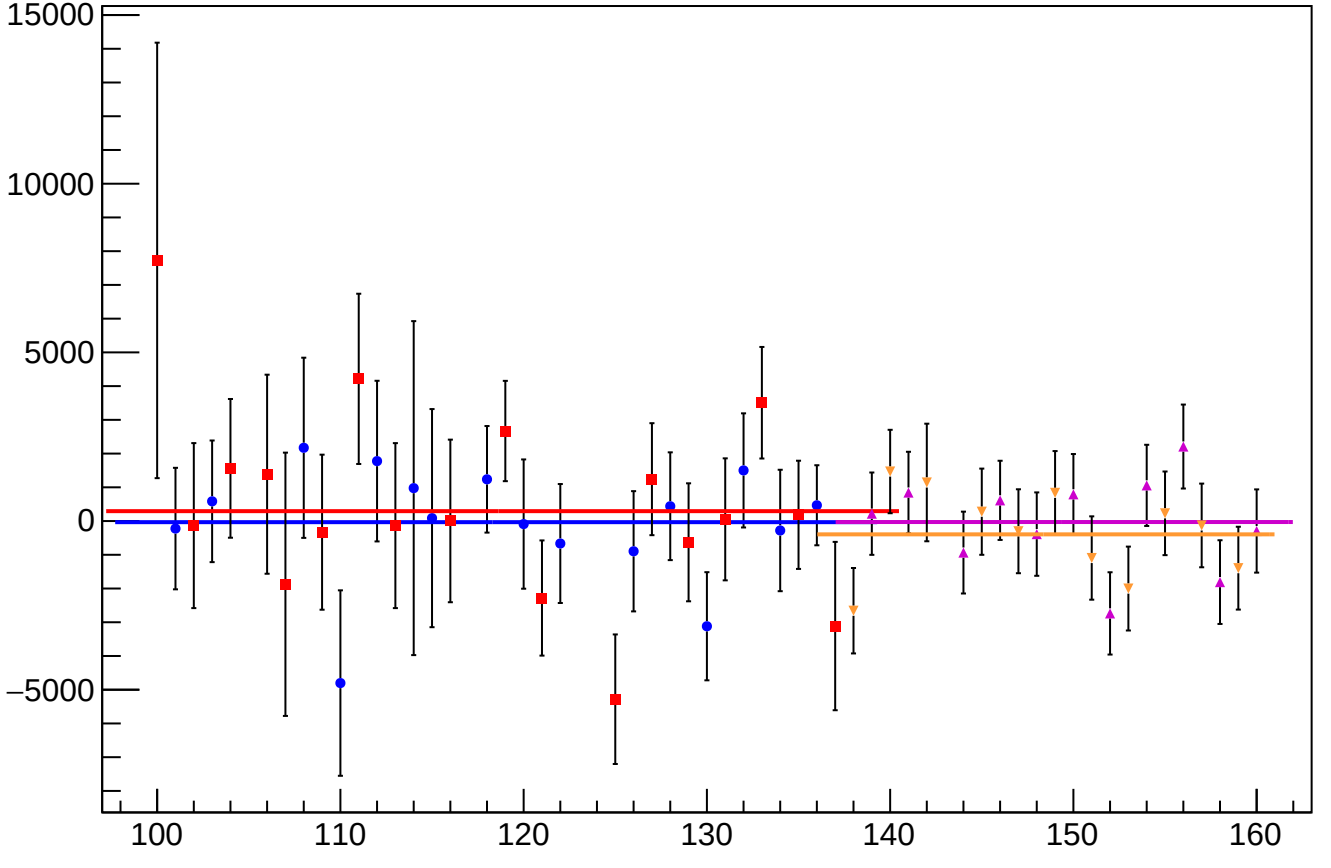
Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 537.970+/-0.096 χ^2/NDF:2011111.9/26

Out: 533.289+/-0.099 χ^2/NDF:2914005.4/28

All: 535.703+/-0.069 χ^2/NDF: 4926267.8/55

eigen_dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: -28.953+/-366.811 χ^2/NDF:13.1/10

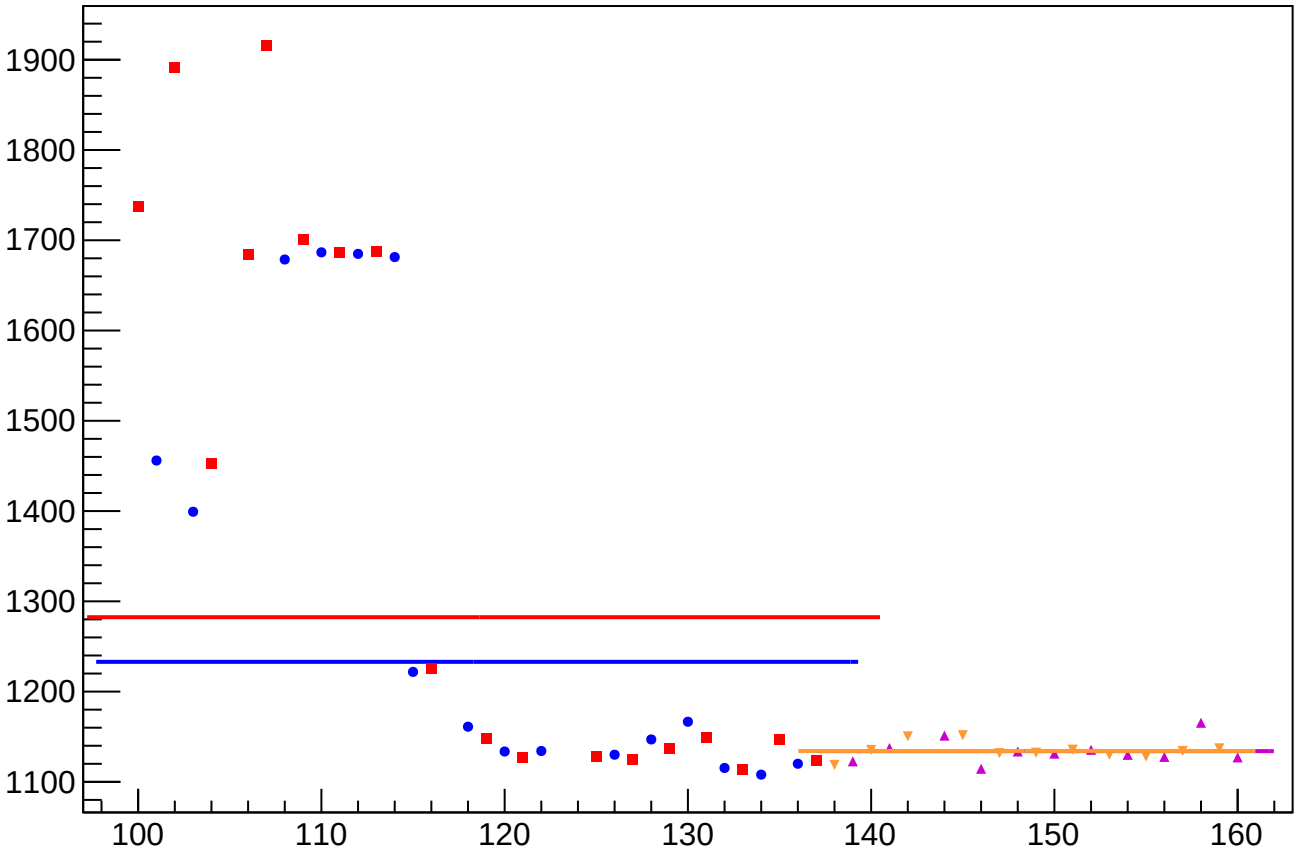
Left: -203.303+/-265.223 χ^2/NDF: 24.0/21

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -30.537+/-287.567 χ^2/NDF:23.3/26

Out: -128.597+/-300.753 χ^2/NDF:36.0/28

All: -77.370+/-207.846 χ^2/NDF: 59.3/55



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: 1134.062+/-0.259 χ^2/NDF:2579.0/10

Left: 1134.148+/-0.188 χ^2/NDF: 3525.0/21

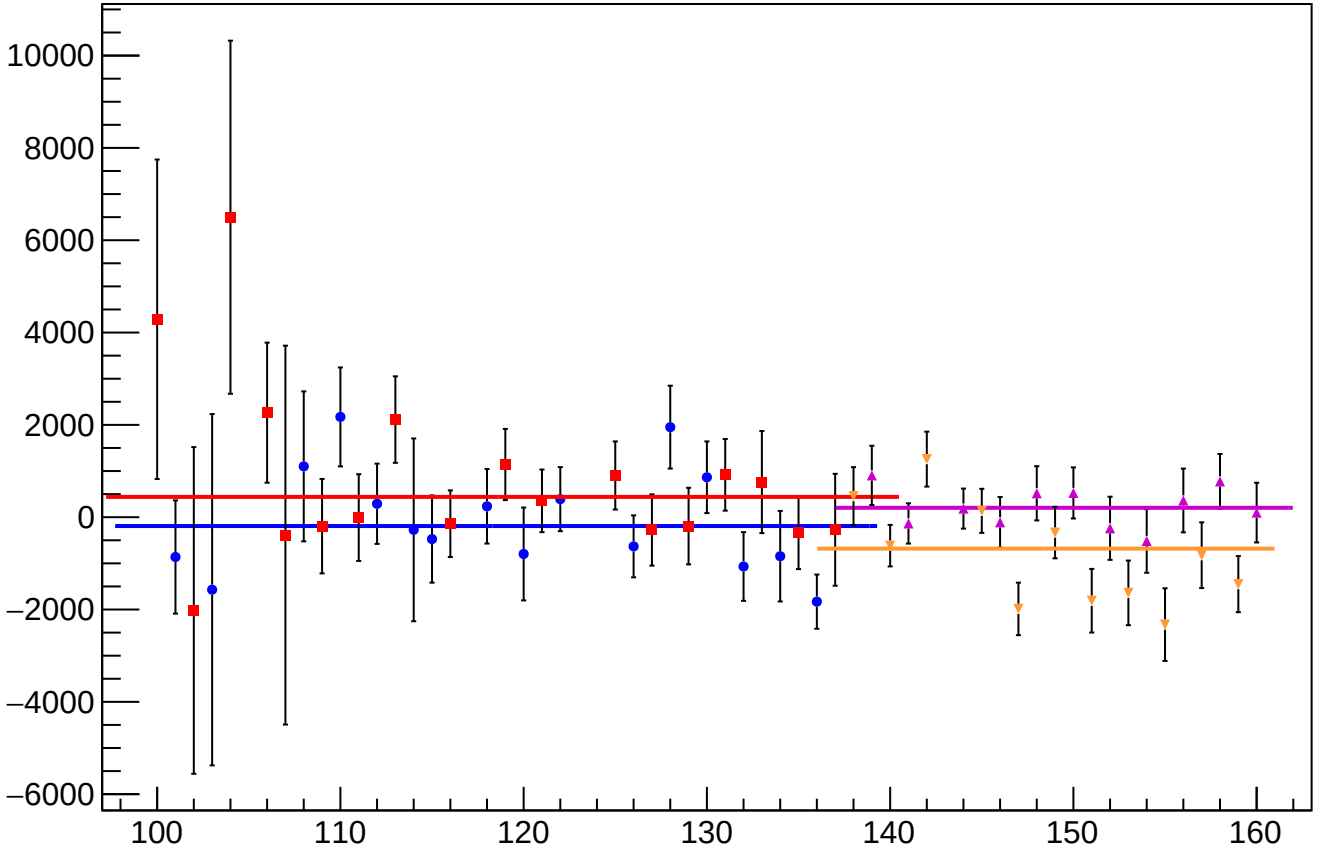
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1172.179+/-0.203 χ^2/NDF:374086.4/26

Out: 1191.491+/-0.213 χ^2/NDF:659431.5/28

All: 1181.403+/-0.147 χ^2/NDF: 1037826.0/55

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: 203.640+/-171.371 χ^2/NDF:5.3/10

Left: -220.982+/-123.563 χ^2/NDF: 51.1/21

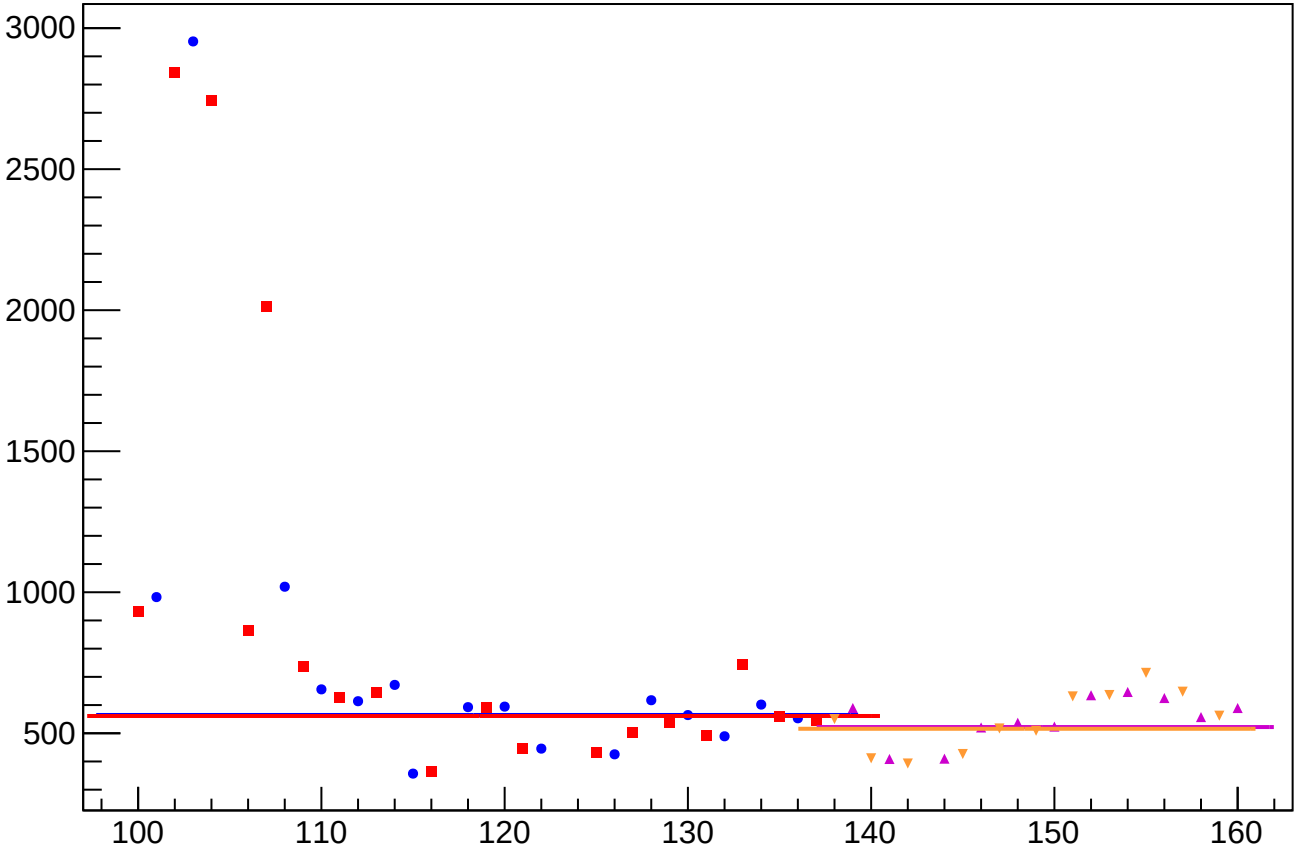
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 56.723+/-135.828 χ^2/NDF:32.5/26

Out: -252.277+/-140.136 χ^2/NDF:62.8/28

All: -92.956+/-97.532 χ^2/NDF: 97.9/55

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 515.958+/-0.126 χ^2/NDF:591260.2/10

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 522.049+/-0.121 χ^2/NDF:484321.8/10

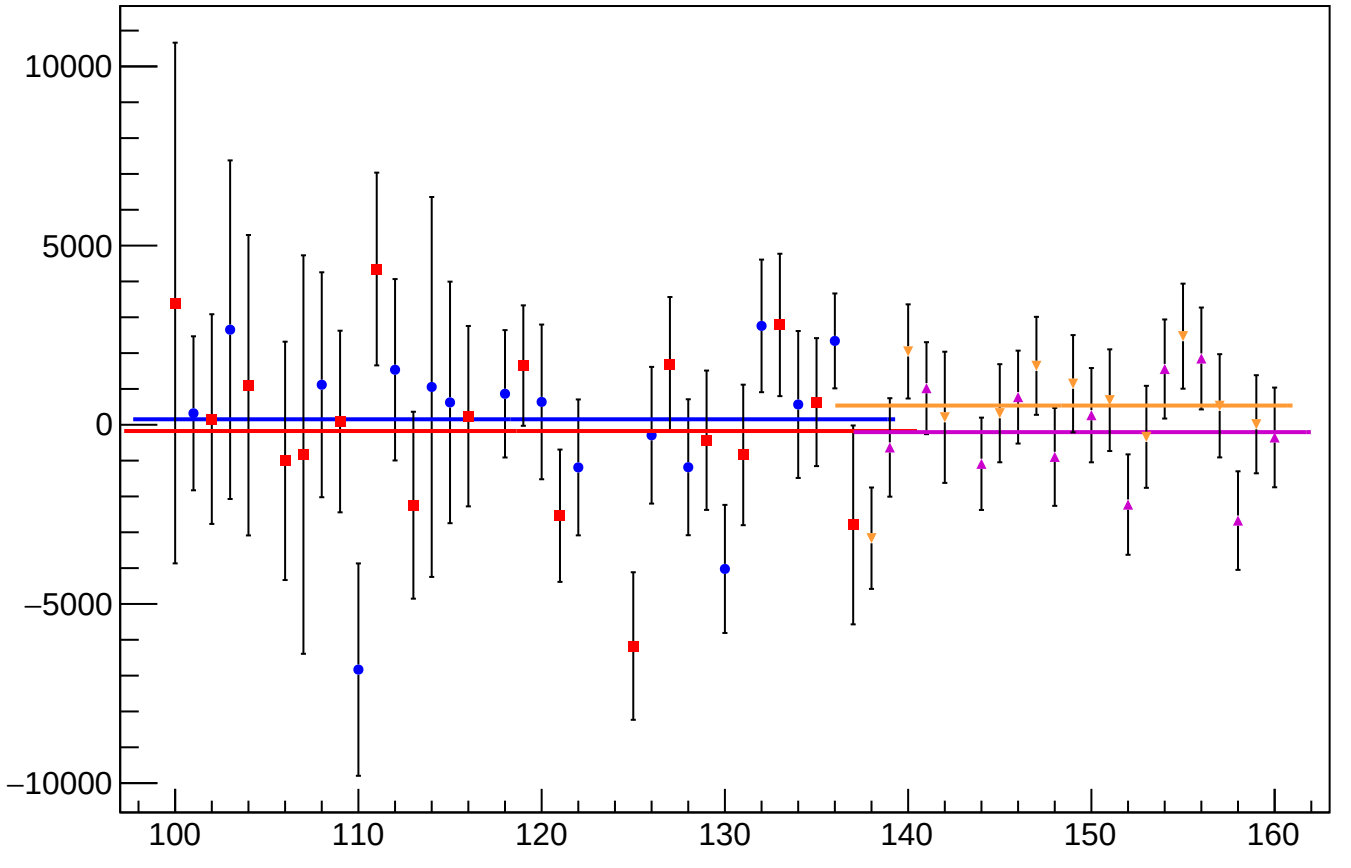
Left: 519.124+/-0.087 χ^2/NDF: 1076795.2/21

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 537.969+/-0.096 χ^2/NDF:2011122.4/26

Out: 533.289+/-0.099 χ^2/NDF:2914026.0/28

All: 535.702+/-0.069 χ^2/NDF: 4926299.0/55



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: -205.151+/-407.569 χ^2/NDF:11.5/10

Left: 147.720+/-295.128 χ^2/NDF: 24.4/21

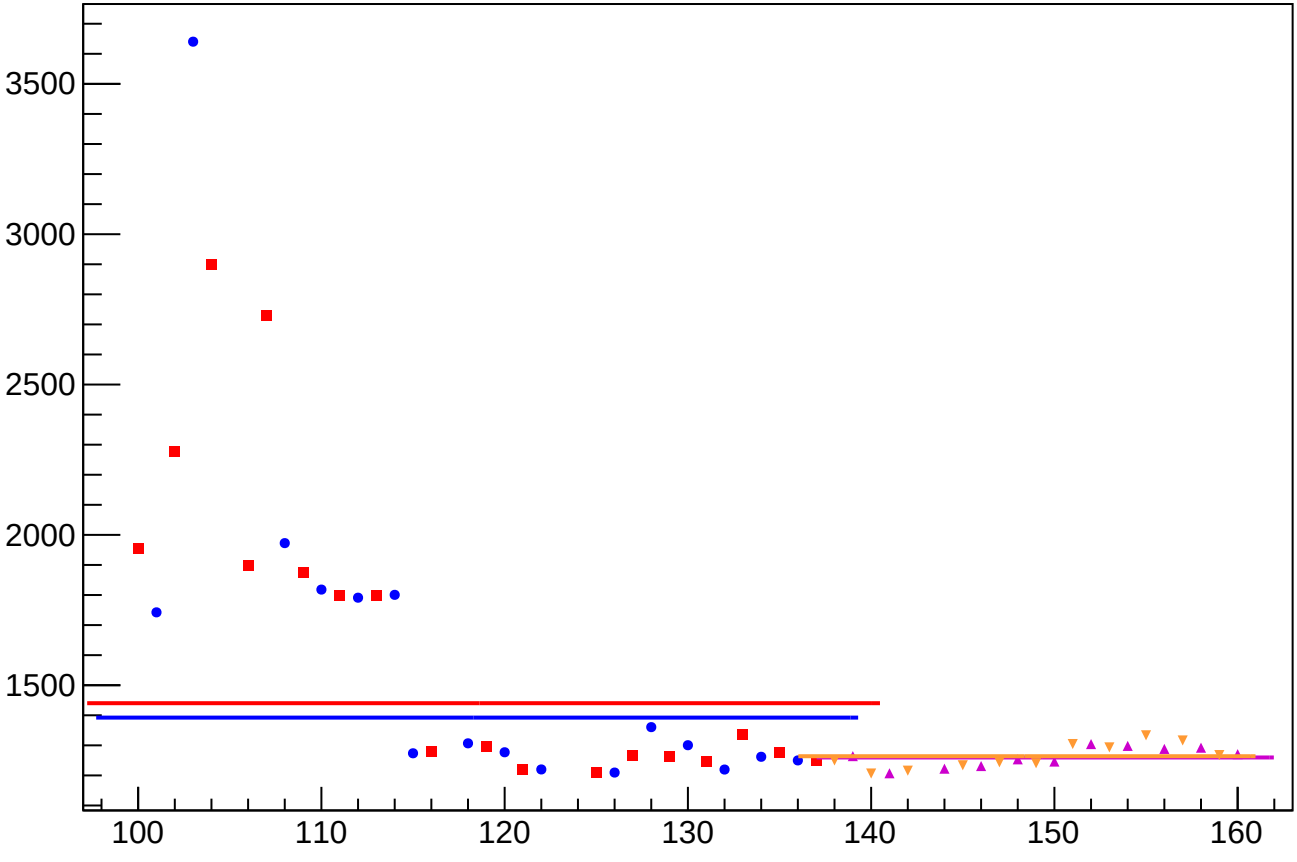
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -72.581+/-323.558 χ^2/NDF:29.5/26

Out: 268.689+/-337.774 χ^2/NDF:32.1/28

All: 90.722+/-233.654 χ^2/NDF: 62.1/55

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: 1259.684+/-0.288 χ^2/NDF:11897.7/10

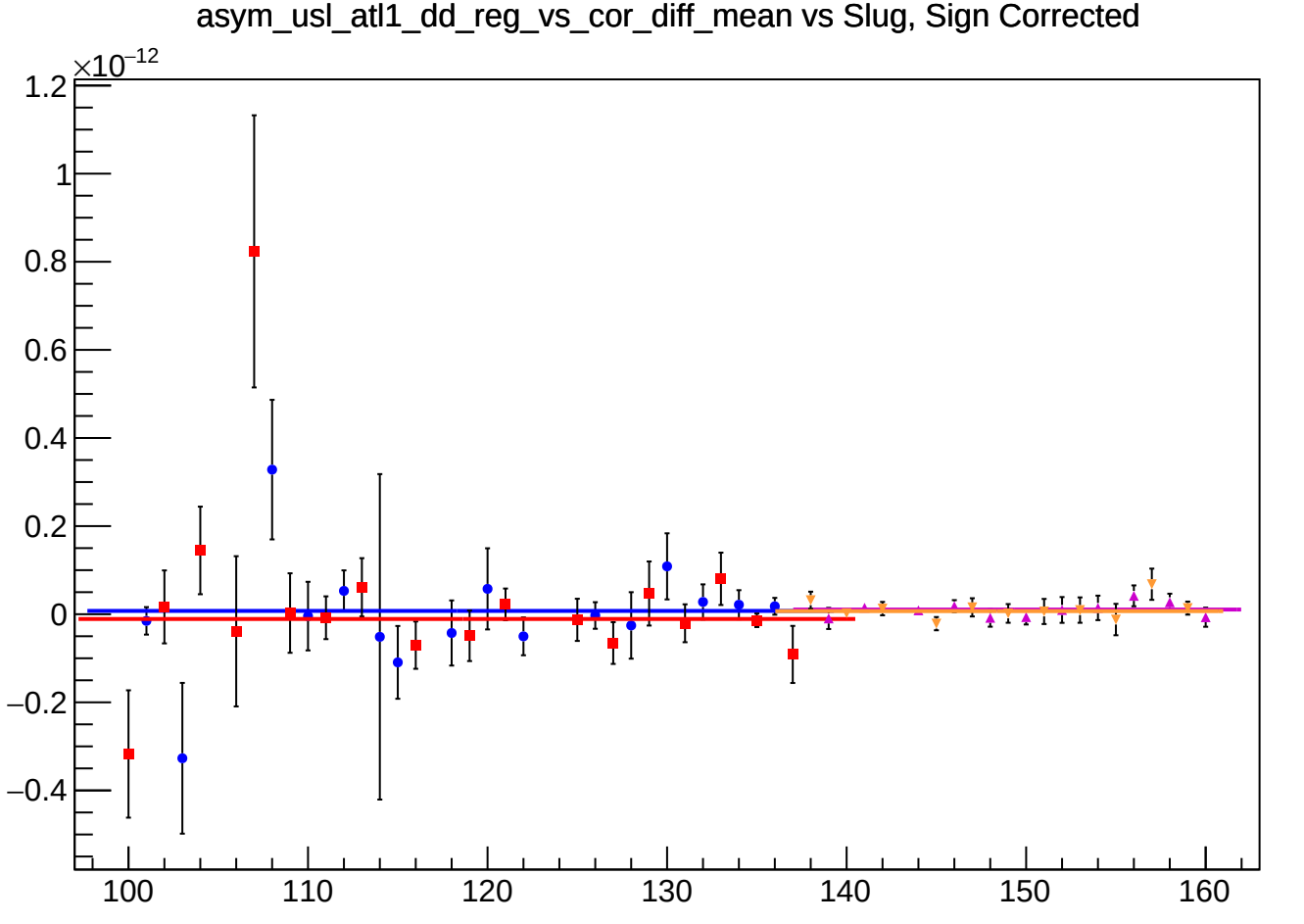
Left: 1261.662+/-0.209 χ^2/NDF: 29058.9/21

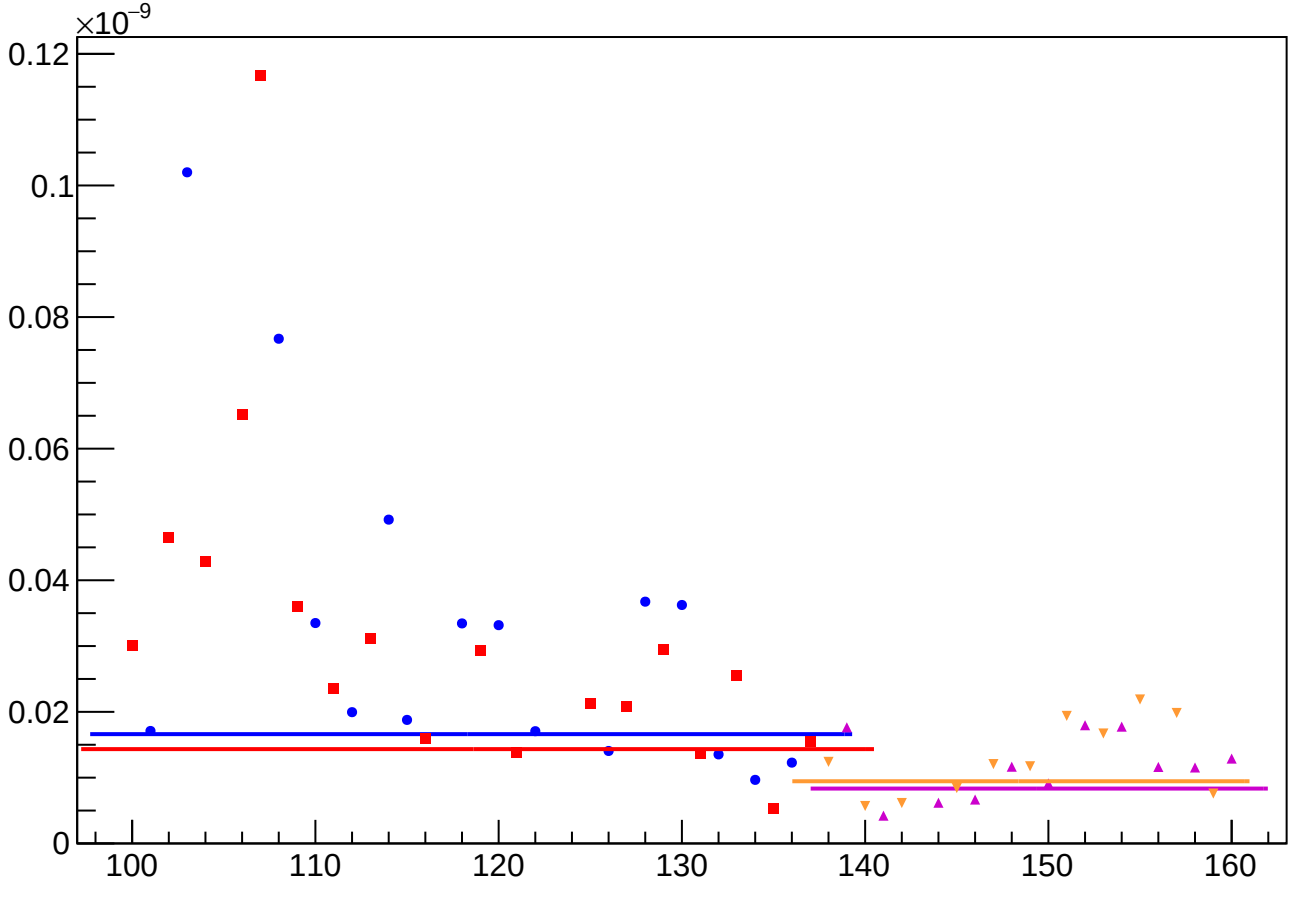
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1308.720+/-0.229 χ^2/NDF:869433.5/26

Out: 1330.328+/-0.239 χ^2/NDF:1000030.2/28

All: 1319.060+/-0.165 χ^2/NDF: 1873731.8/55


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
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:9.2/10
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:6.2/10
Left: 0.000+/-0.000 χ²/NDF: 15.7/21
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:23.2/26
Out: 0.000+/-0.000 χ²/NDF:35.5/28
All: 0.000+/-0.000 χ²/NDF: 59.8/55



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:1484345.9/10

Left: 0.000+/-0.000 χ^2/NDF: 2781367.5/21

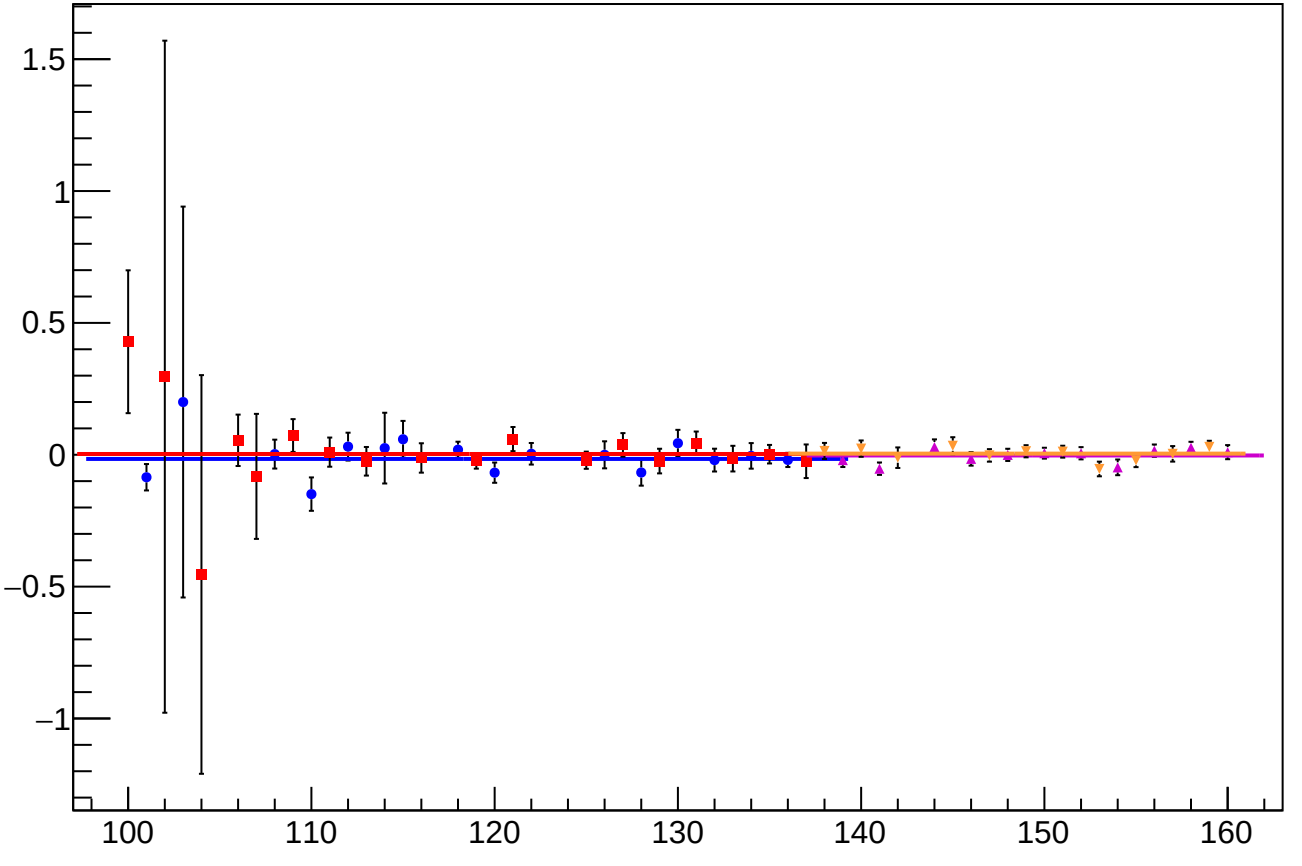
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4022393.3/26

Out: 0.000+/-0.000 χ^2/NDF:3843290.5/28

All: 0.000+/-0.000 χ^2/NDF: 7892941.0/55

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.008 χ^2/NDF:8.4/10

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:11.6/10

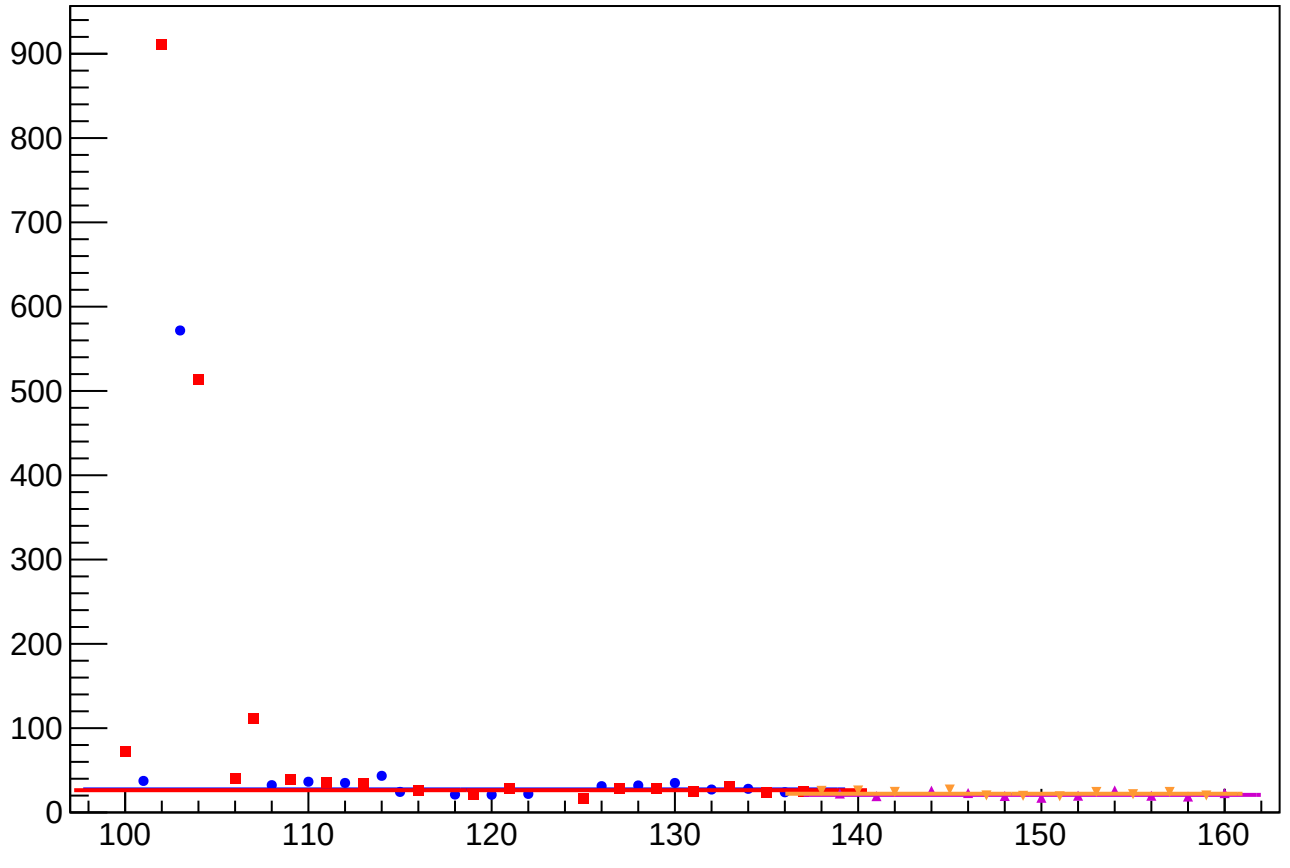
Left: 0.000+/-0.005 χ^2/NDF: 20.3/21

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.004+/-0.007 χ^2/NDF:18.3/28

All: -0.002+/-0.005 χ^2/NDF: 46.6/55



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: 20.852+/-0.005 χ^2/NDF:246567.8/10

Left: 21.459+/-0.004 χ^2/NDF: 497208.2/21

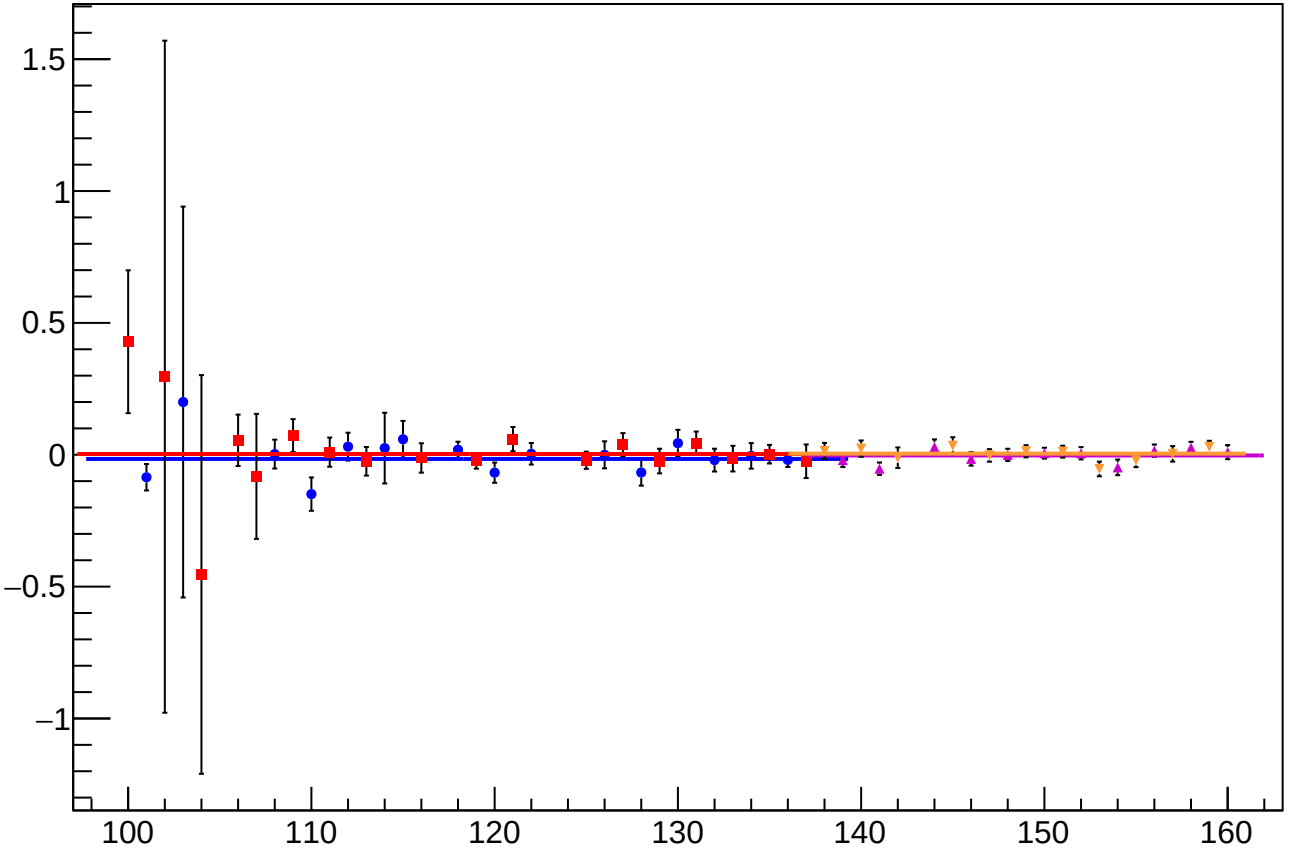
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.723+/-0.004 χ^2/NDF:2257453.5/26

Out: 23.514+/-0.005 χ^2/NDF:3003421.1/28

All: 23.087+/-0.003 χ^2/NDF: 5275767.6/55

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: -0.003+/-0.007 χ^2/NDF:11.6/10

Left: 0.000+/-0.005 χ^2/NDF: 20.3/21

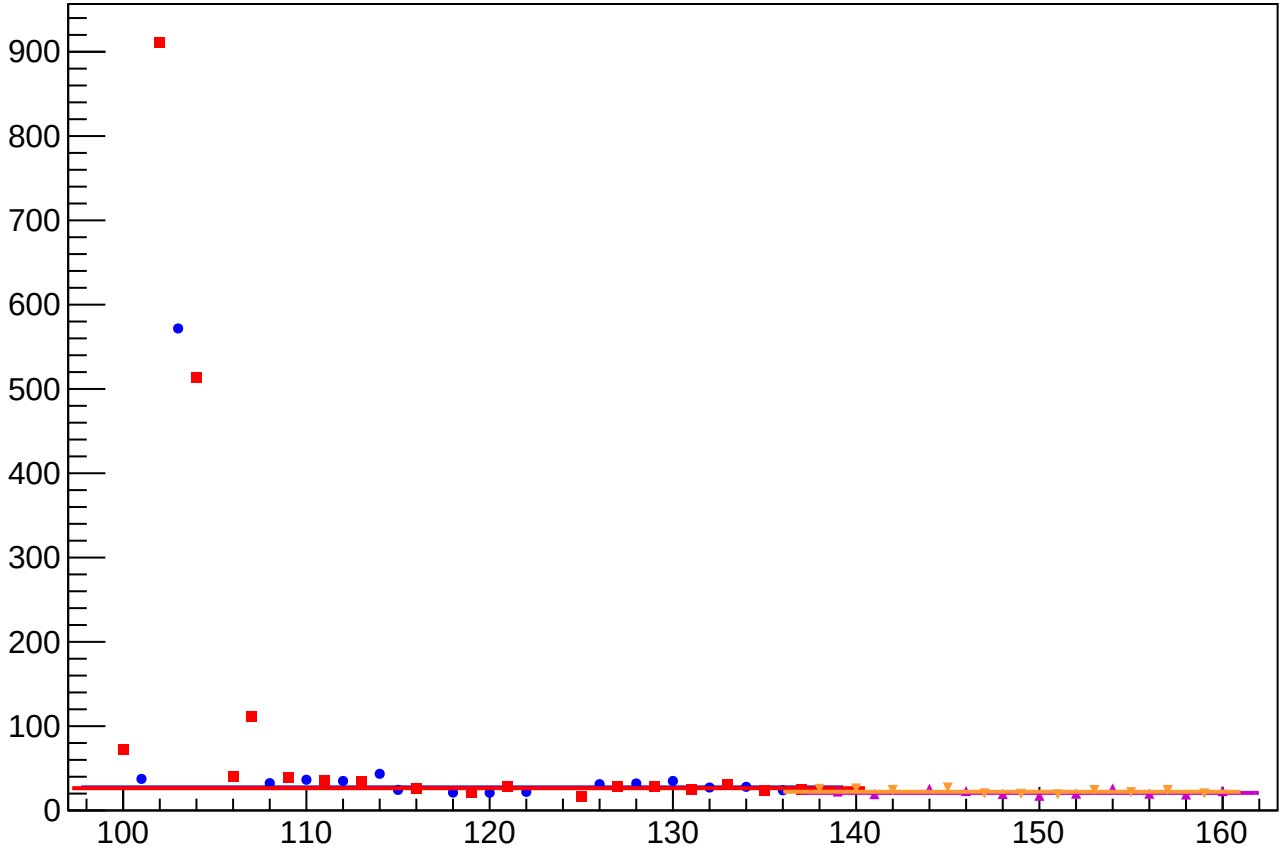
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.004+/-0.007 χ^2/NDF:18.3/28

All: -0.002+/-0.005 χ^2/NDF: 46.6/55

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: 20.852+/-0.005 χ^2/NDF:246567.8/10

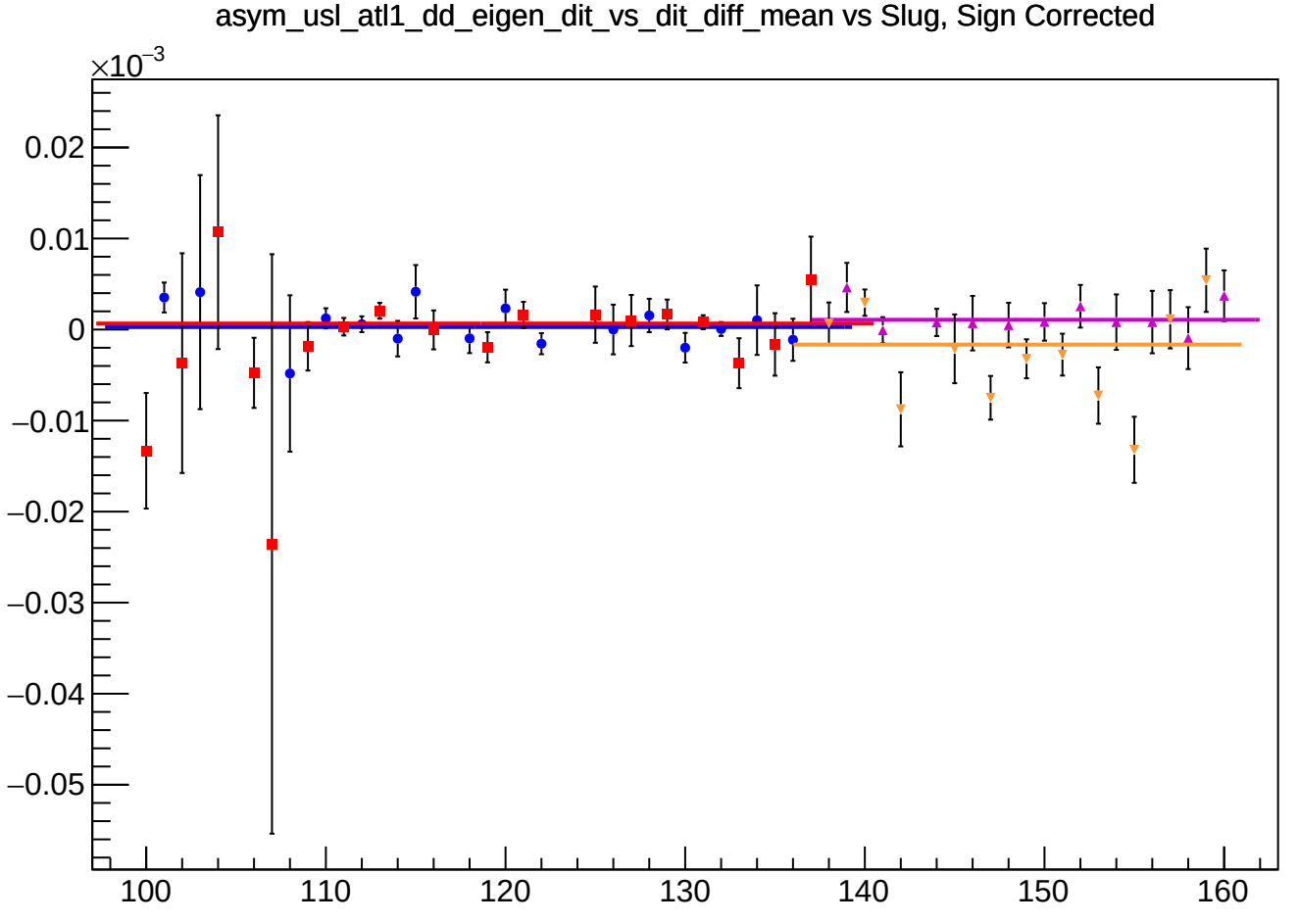
Left: 21.459+/-0.004 χ^2/NDF: 497208.2/21

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.723+/-0.004 χ^2/NDF:2257453.5/26

Out: 23.514+/-0.005 χ^2/NDF:3003421.1/28

All: 23.087+/-0.003 χ^2/NDF: 5275767.6/55



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:4.2/10

Left: -0.000+/-0.000 χ^2/NDF: 50.5/21

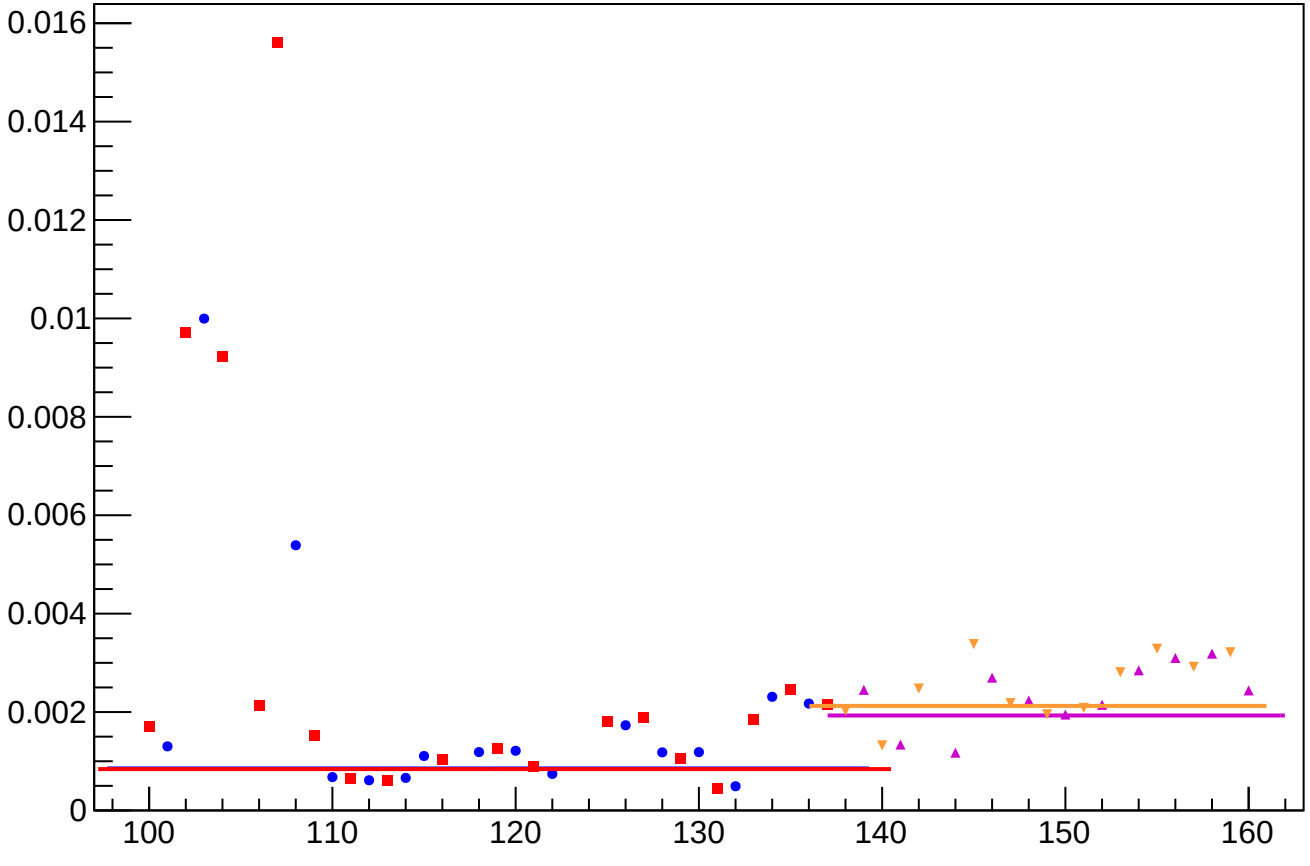
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:19.6/26

Out: 0.000+/-0.000 χ^2/NDF:65.7/28

All: 0.000+/-0.000 χ^2/NDF: 85.8/55

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:1860226.1/10

Left: 0.002+/-0.000 χ^2/NDF: 3426455.8/21

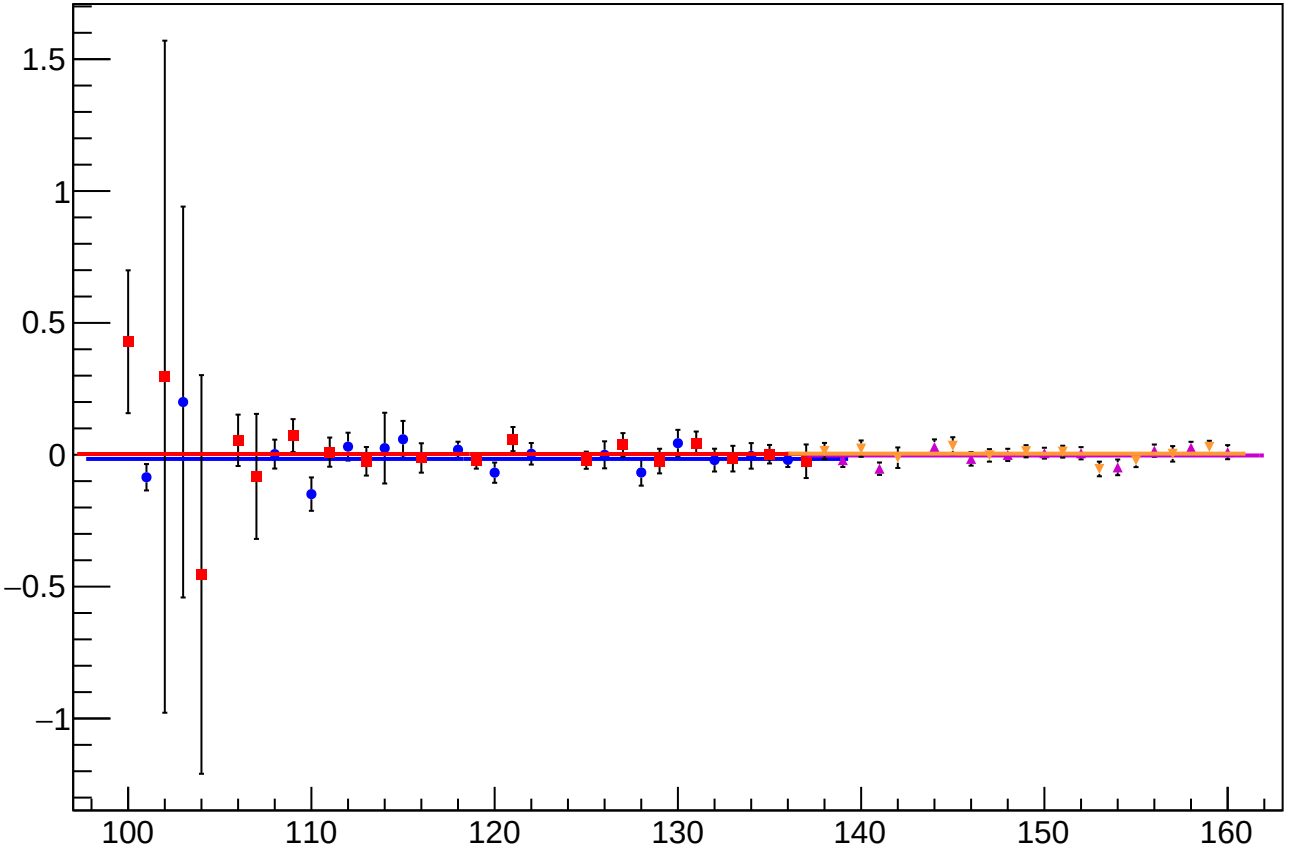
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9584711.1/26

Out: 0.001+/-0.000 χ^2/NDF:11020709.1/28

All: 0.001+/-0.000 χ^2/NDF: 20606590.4/55

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: -0.003+/-0.007 χ^2/NDF:11.6/10

Left: 0.000+/-0.005 χ^2/NDF: 20.3/21

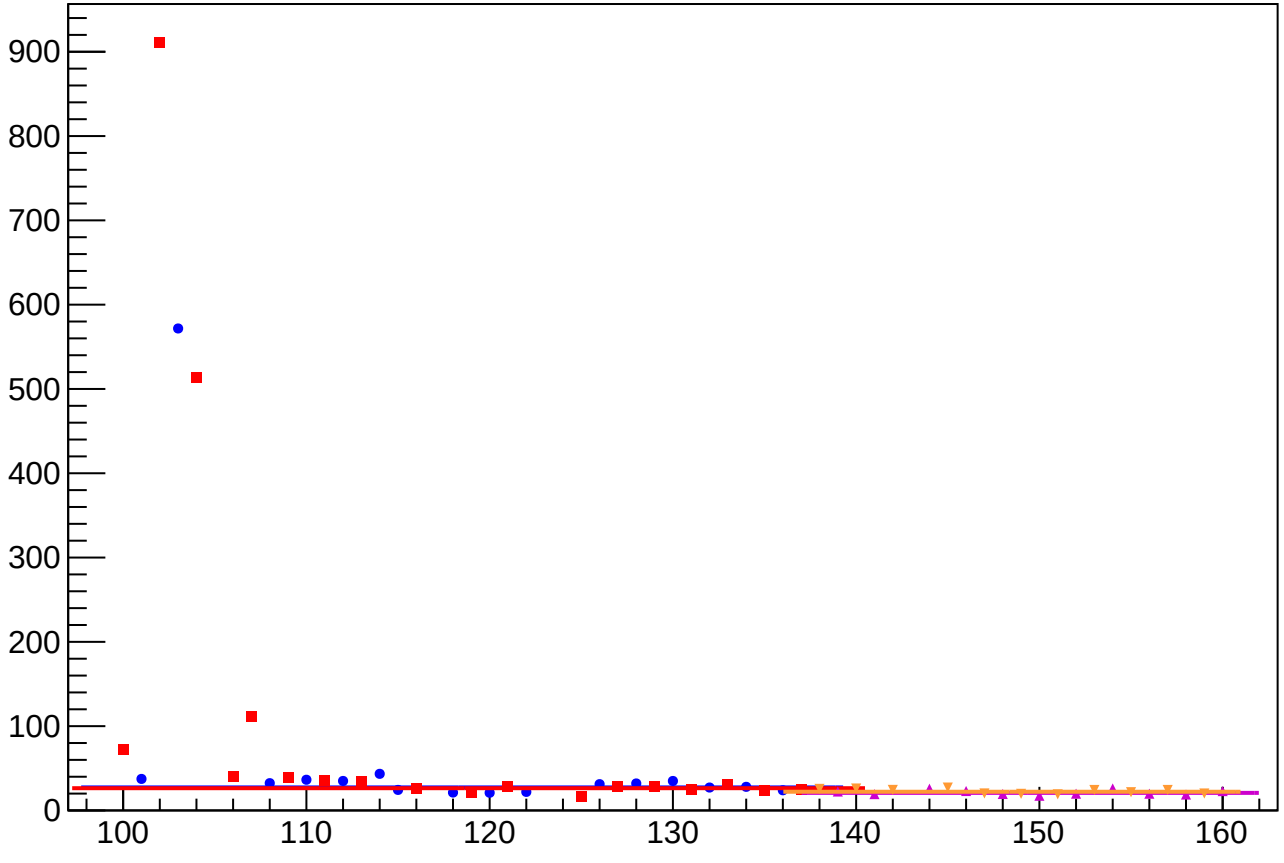
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.004+/-0.007 χ^2/NDF:18.2/28

All: -0.002+/-0.005 χ^2/NDF: 46.6/55

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: 20.852+/-0.005 χ^2/NDF:246583.5/10

Left: 21.459+/-0.004 χ^2/NDF: 497194.3/21

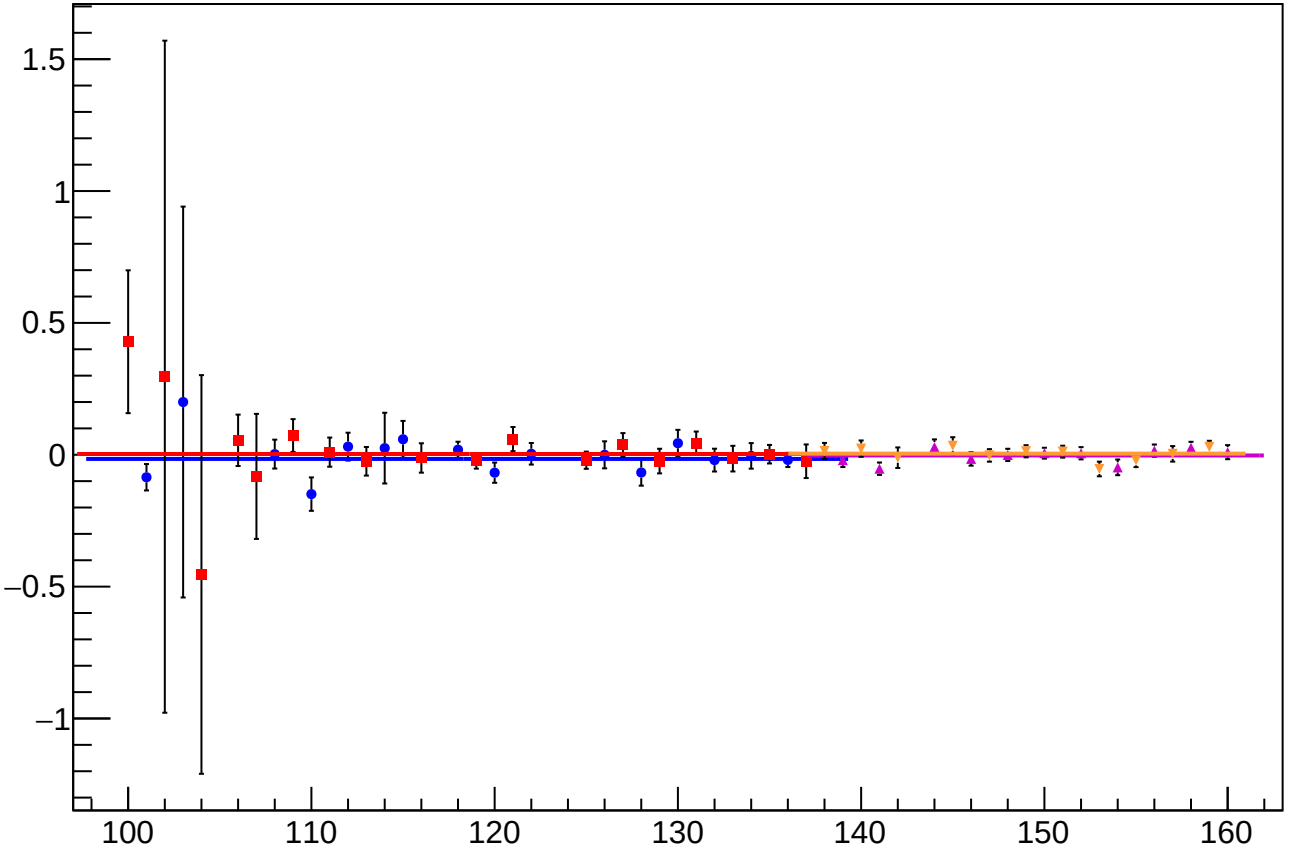
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.723+/-0.004 χ^2/NDF:2257469.1/26

Out: 23.514+/-0.005 χ^2/NDF:3003410.8/28

All: 23.087+/-0.003 χ^2/NDF: 5275773.3/55

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: -0.003+/-0.007 χ^2/NDF:11.6/10

Left: 0.000+/-0.005 χ^2/NDF: 20.3/21

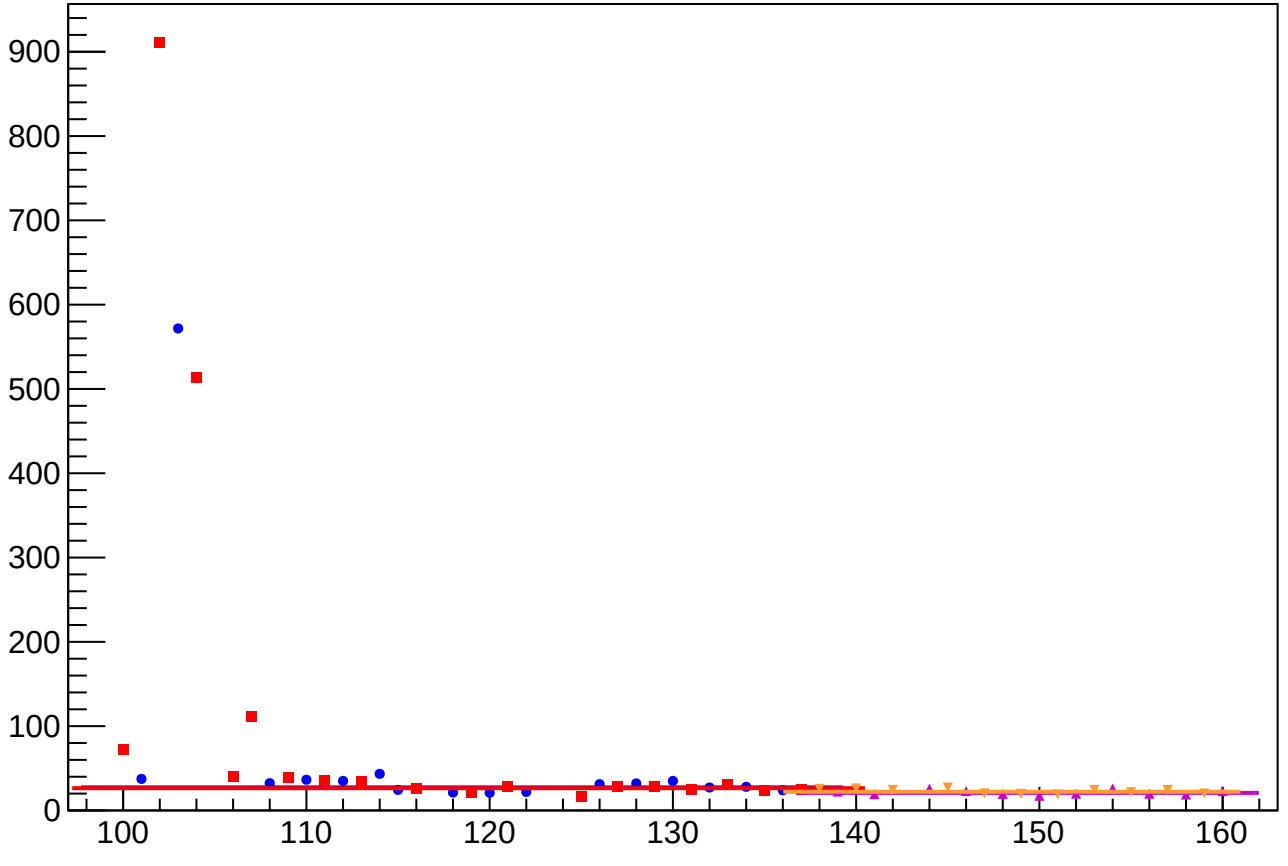
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.004+/-0.007 χ^2/NDF:18.2/28

All: -0.002+/-0.005 χ^2/NDF: 46.6/55

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: 20.852+/-0.005 χ^2/NDF:246583.5/10

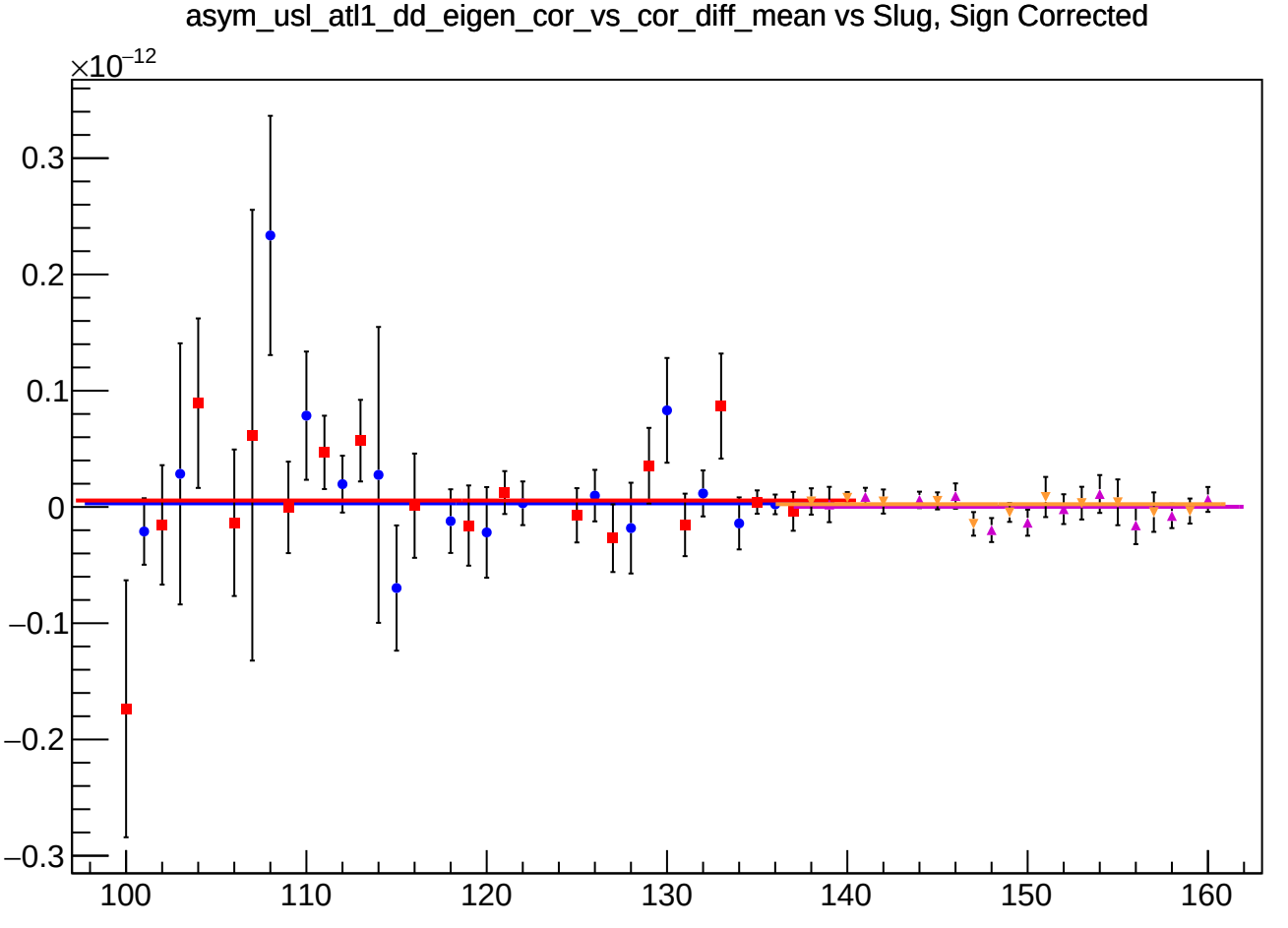
Left: 21.459+/-0.004 χ^2/NDF: 497194.3/21

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.723+/-0.004 χ^2/NDF:2257469.1/26

Out: 23.514+/-0.005 χ^2/NDF:3003410.8/28

All: 23.087+/-0.003 χ^2/NDF: 5275773.3/55



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:10.3/10

Left: 0.000+/-0.000 χ^2/NDF: 16.2/21

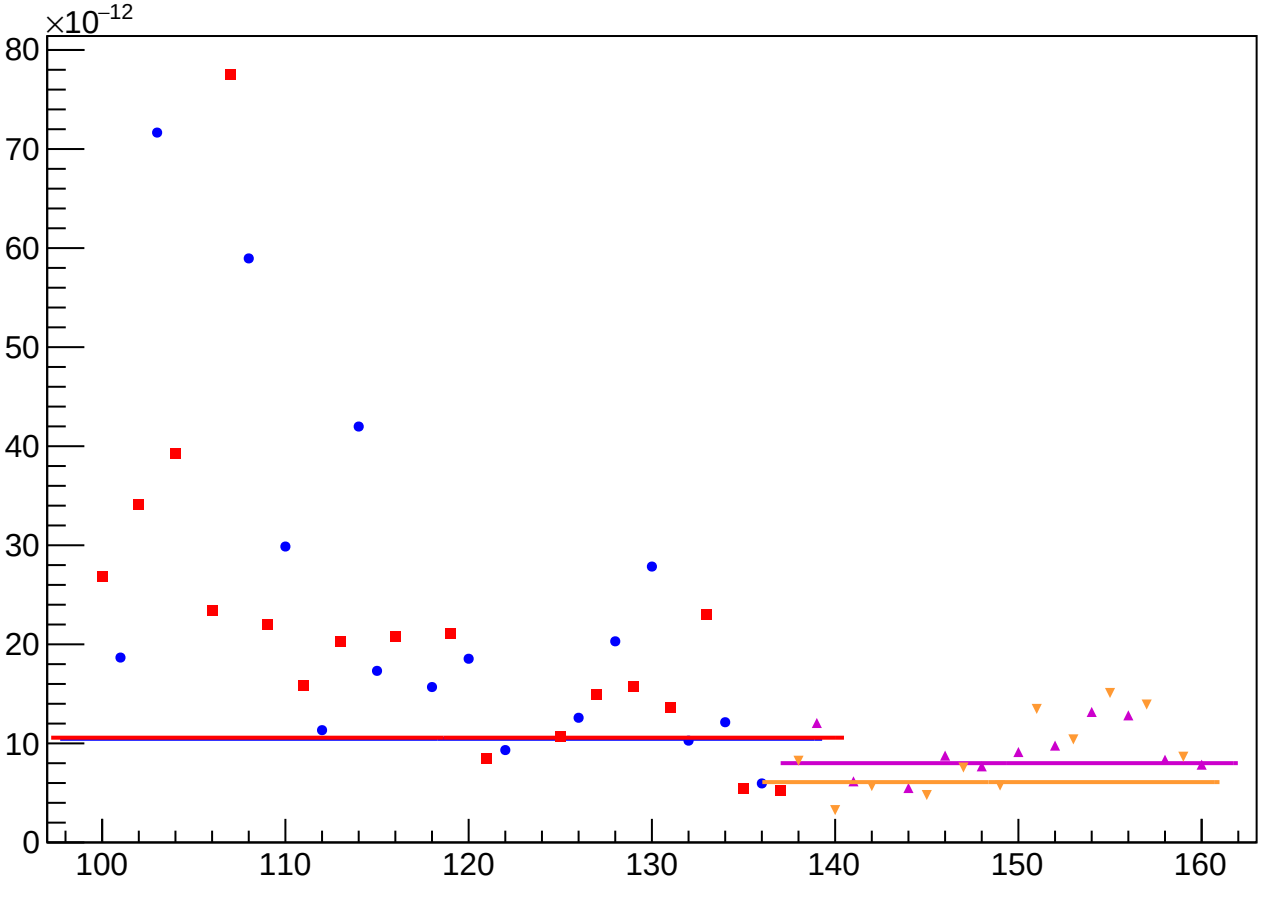
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:25.5/26

Out: 0.000+/-0.000 χ^2/NDF:21.1/28

All: 0.000+/-0.000 χ^2/NDF: 46.9/55

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:957946.2/10

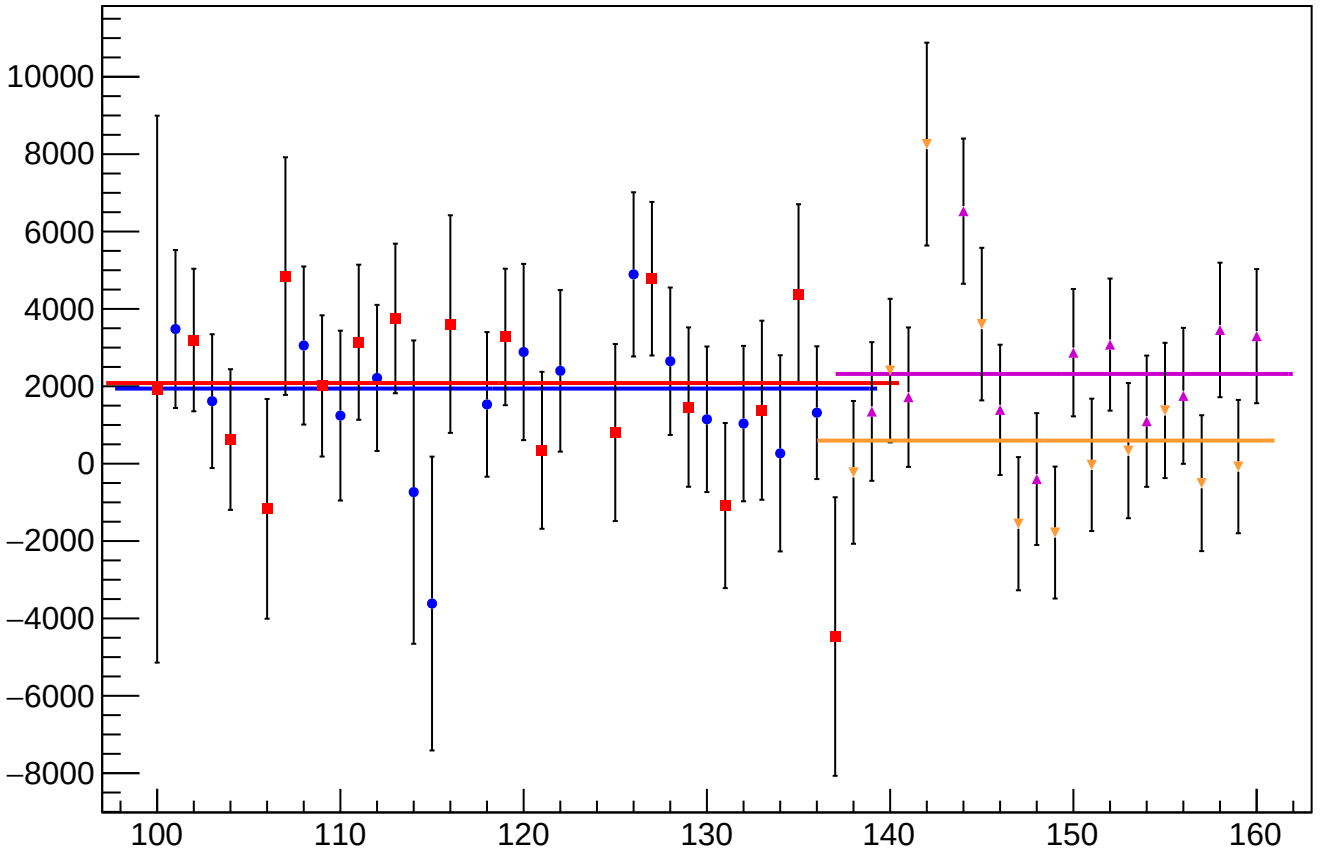
Left: 0.000+/-0.000 χ^2/NDF: 3715075.1/21

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4033155.7/26

Out: 0.000+/-0.000 χ^2/NDF:6018901.1/28

All: 0.000+/-0.000 χ^2/NDF: 10453250.1/55



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: 2319.543+/-523.582 χ^2/NDF:10.0/10

Left: 1498.263+/-378.684 χ^2/NDF: 31.5/21

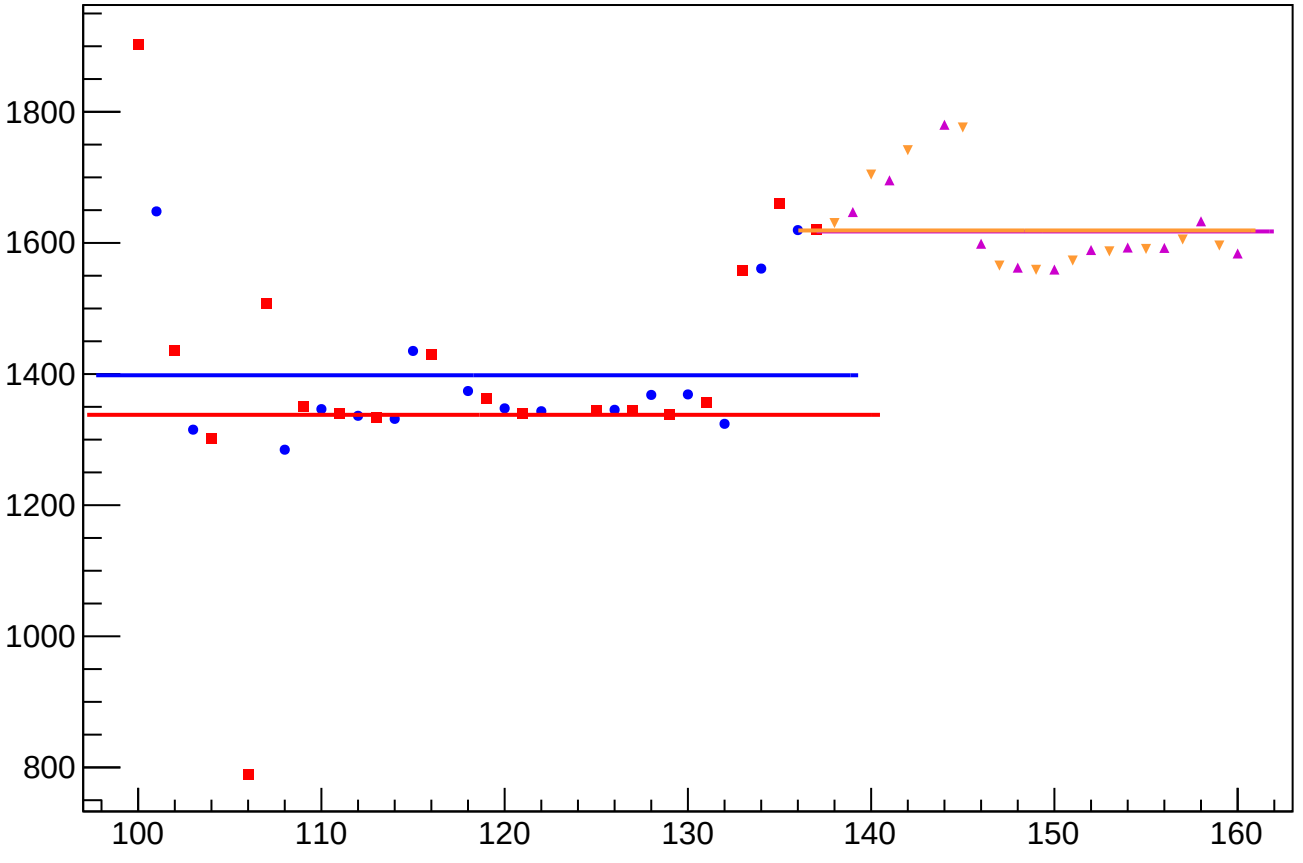
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2129.749+/-369.730 χ^2/NDF:17.1/26

Out: 1380.709+/-377.163 χ^2/NDF:34.8/28

All: 1762.684+/-264.027 χ^2/NDF: 53.9/55

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1617.535+/-0.370 χ^2/NDF:26461.8/10

Left: 1618.245+/-0.268 χ^2/NDF: 55328.1/21

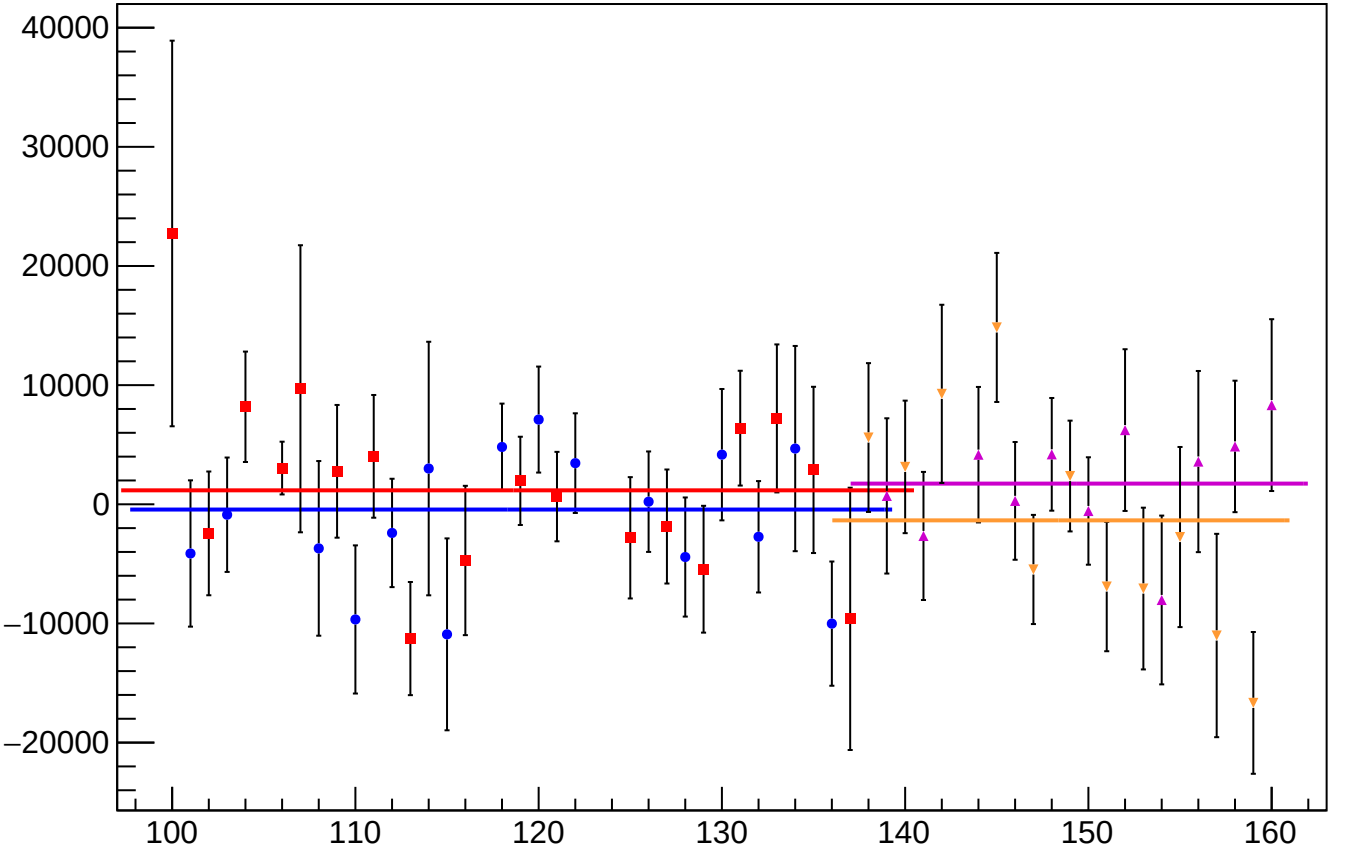
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1507.552+/-0.261 χ^2/NDF:296407.9/26

Out: 1466.404+/-0.262 χ^2/NDF:632078.4/28

All: 1487.038+/-0.185 χ^2/NDF: 940836.8/55

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1348.871+/-1794.689 χ^2/NDF:21.8/10

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1736.265+/-1727.747 χ^2/NDF:5.0/10

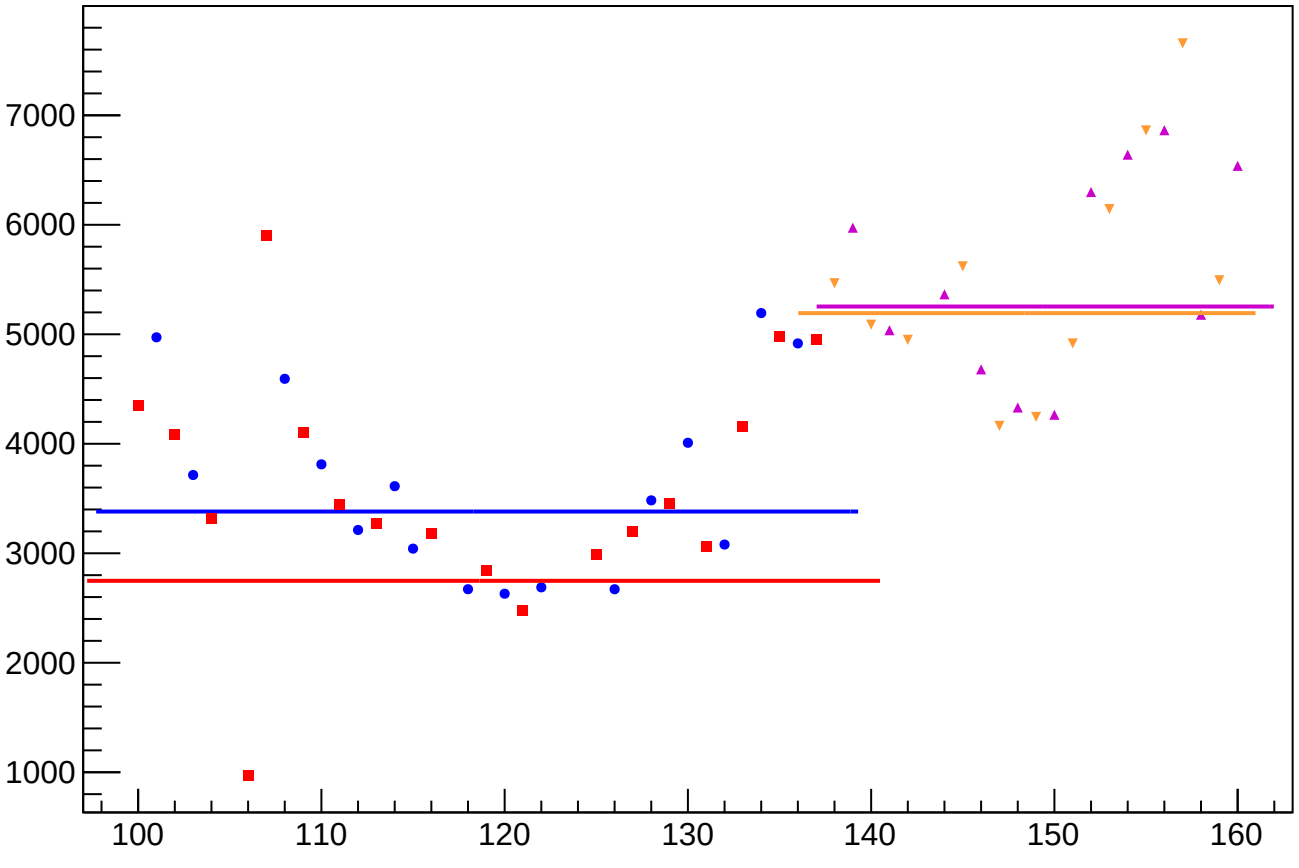
Left: 252.308+/-1244.695 χ^2/NDF: 28.3/21

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 342.810+/-1036.702 χ^2/NDF:22.0/26

Out: 465.191+/-950.090 χ^2/NDF:42.8/28

All: 409.325+/-700.437 χ^2/NDF: 64.8/55



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: 5253.635+/-1.222 χ^2/NDF:505468.2/10

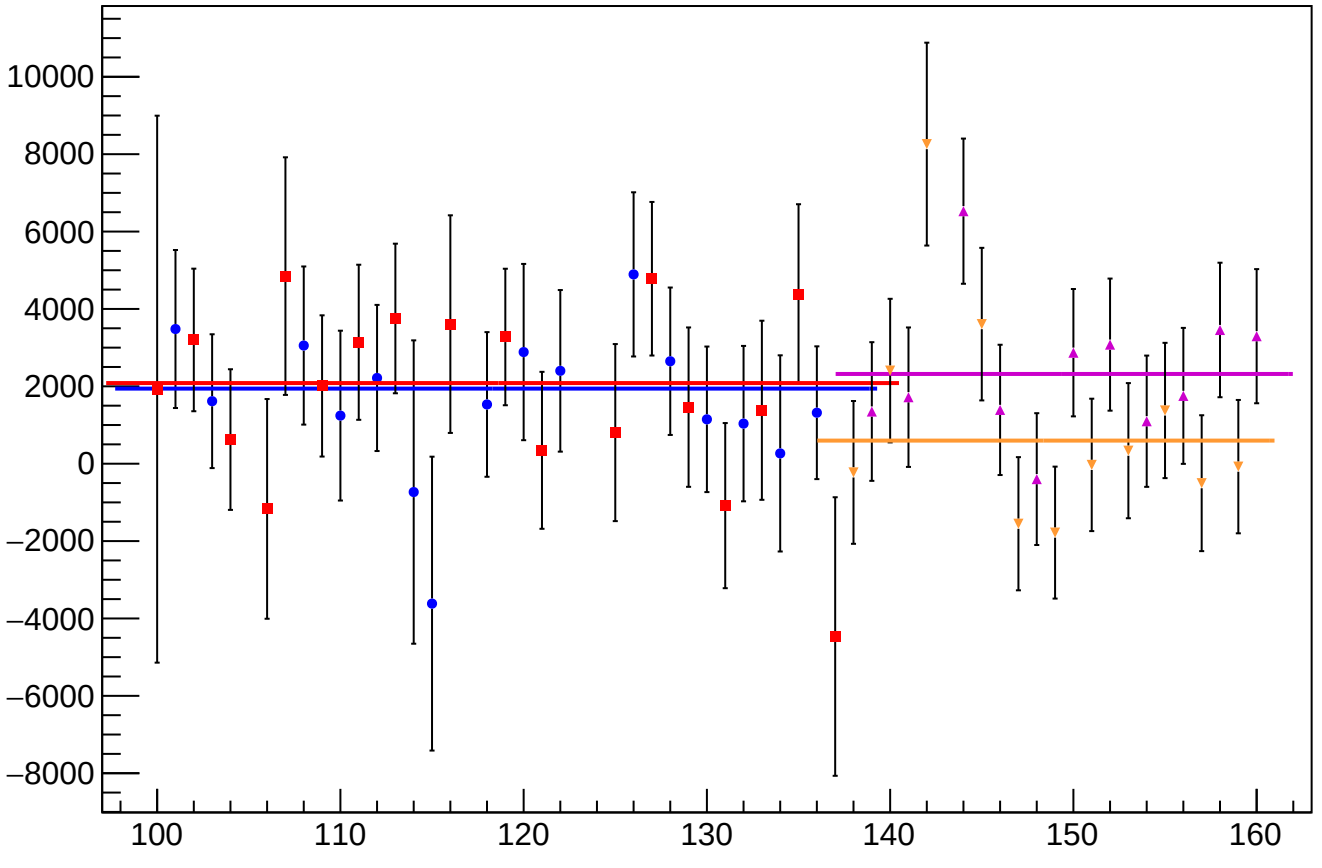
Left: 5224.610+/-0.880 χ^2/NDF: 1020519.6/21

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4055.294+/-0.733 χ^2/NDF:2766019.9/26

Out: 3433.570+/-0.672 χ^2/NDF:5449976.2/28

All: 3717.380+/-0.495 χ^2/NDF: 8606949.8/55



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: 2319.642+/-523.582 χ^2/NDF:10.0/10

Left: 1498.346+/-378.684 χ^2/NDF: 31.5/21

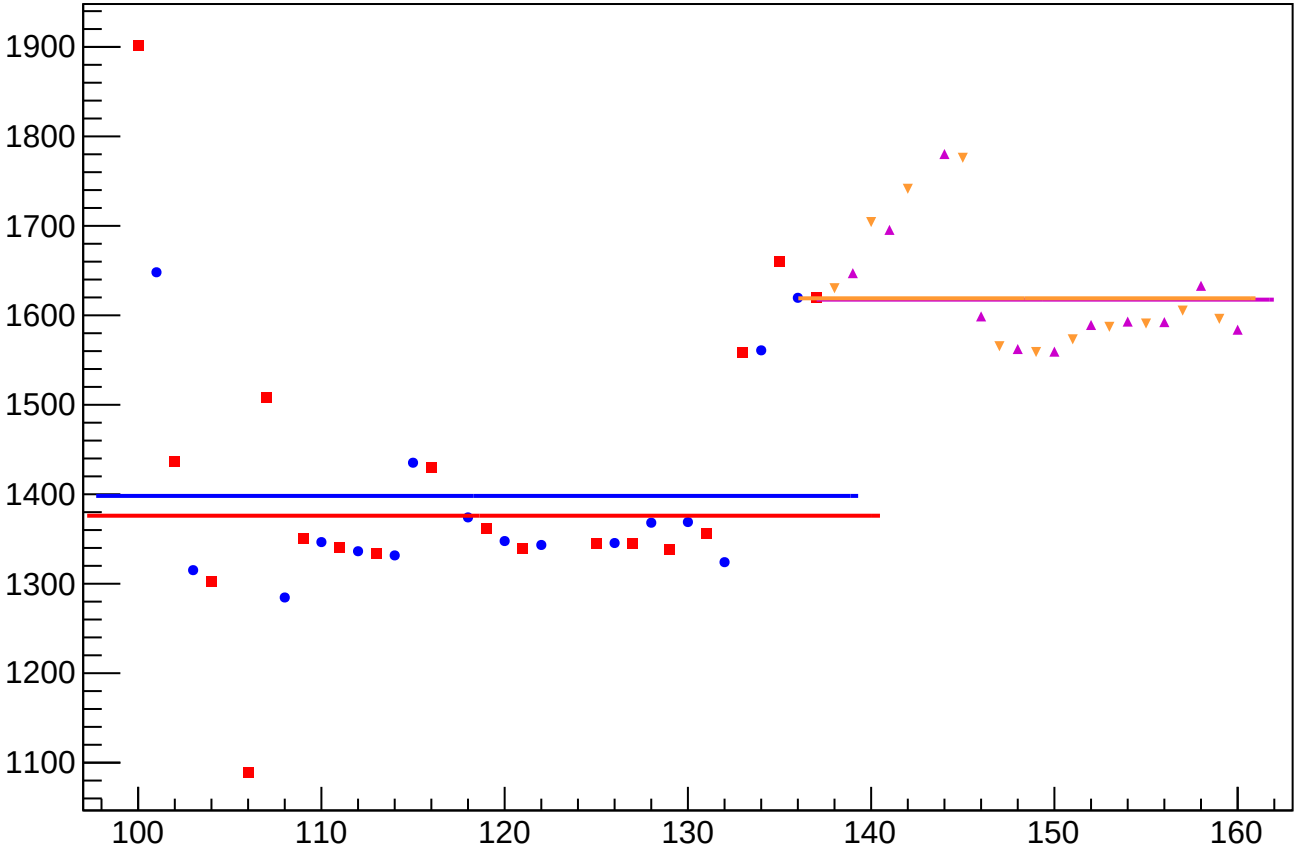
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2129.827+/-369.730 χ^2/NDF:17.1/26

Out: 1380.848+/-377.165 χ^2/NDF:34.8/28

All: 1762.792+/-264.028 χ^2/NDF: 53.9/55

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1617.535+/-0.370 χ^2/NDF:26461.8/10

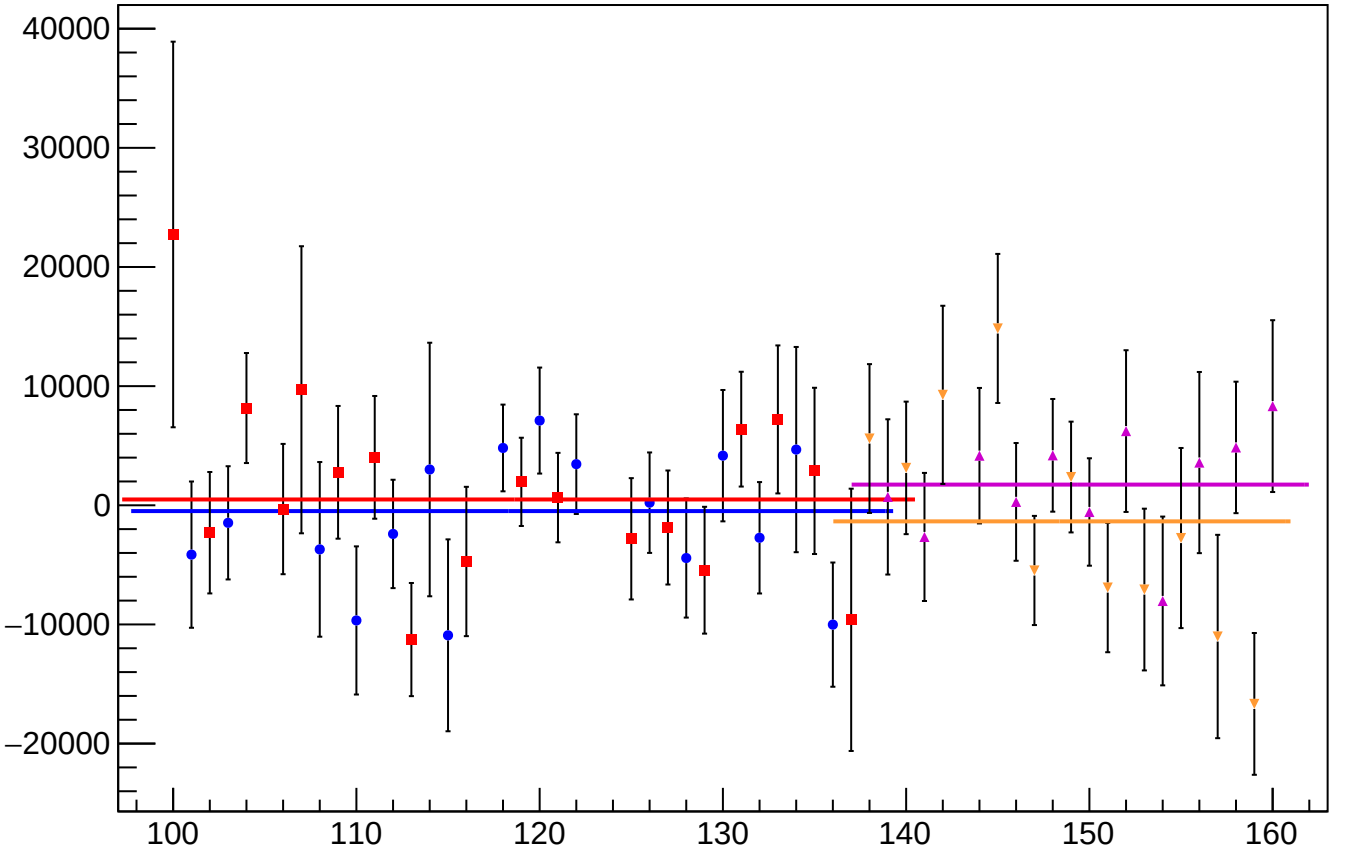
Left: 1618.245+/-0.268 χ^2/NDF: 55328.1/21

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1507.552+/-0.261 χ^2/NDF:296408.1/26

Out: 1489.361+/-0.265 χ^2/NDF:352463.6/28

All: 1498.573+/-0.186 χ^2/NDF: 651261.5/55



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: 1736.389+/-1727.745 χ^2/NDF:5.0/10

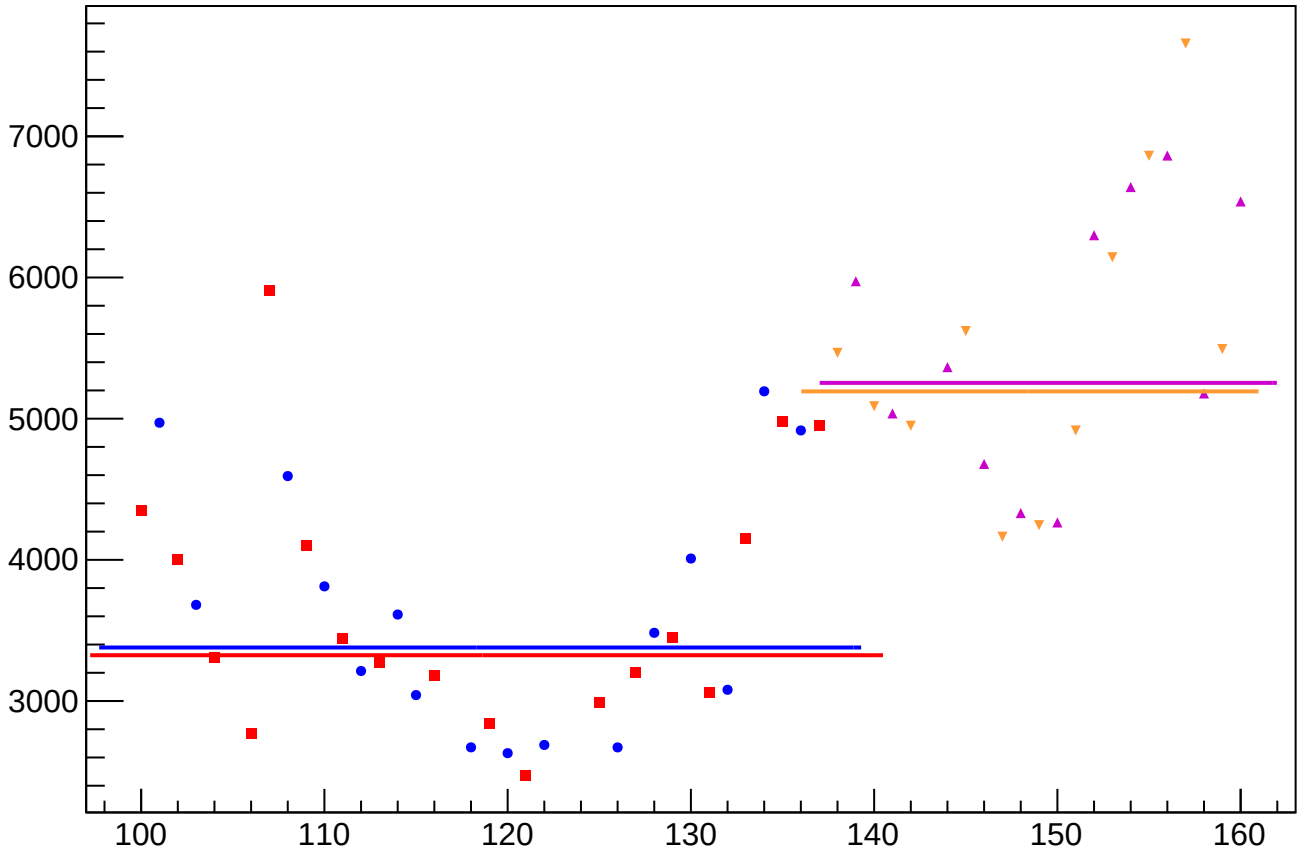
Left: 252.345+/-1244.694 χ^2/NDF: 28.3/21

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 313.005+/-1036.197 χ^2/NDF:22.1/26

Out: -118.940+/-1031.948 χ^2/NDF:41.2/28

All: 96.145+/-731.195 χ^2/NDF: 63.3/55



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: 5253.631+/-1.222 χ^2/NDF:505476.2/10

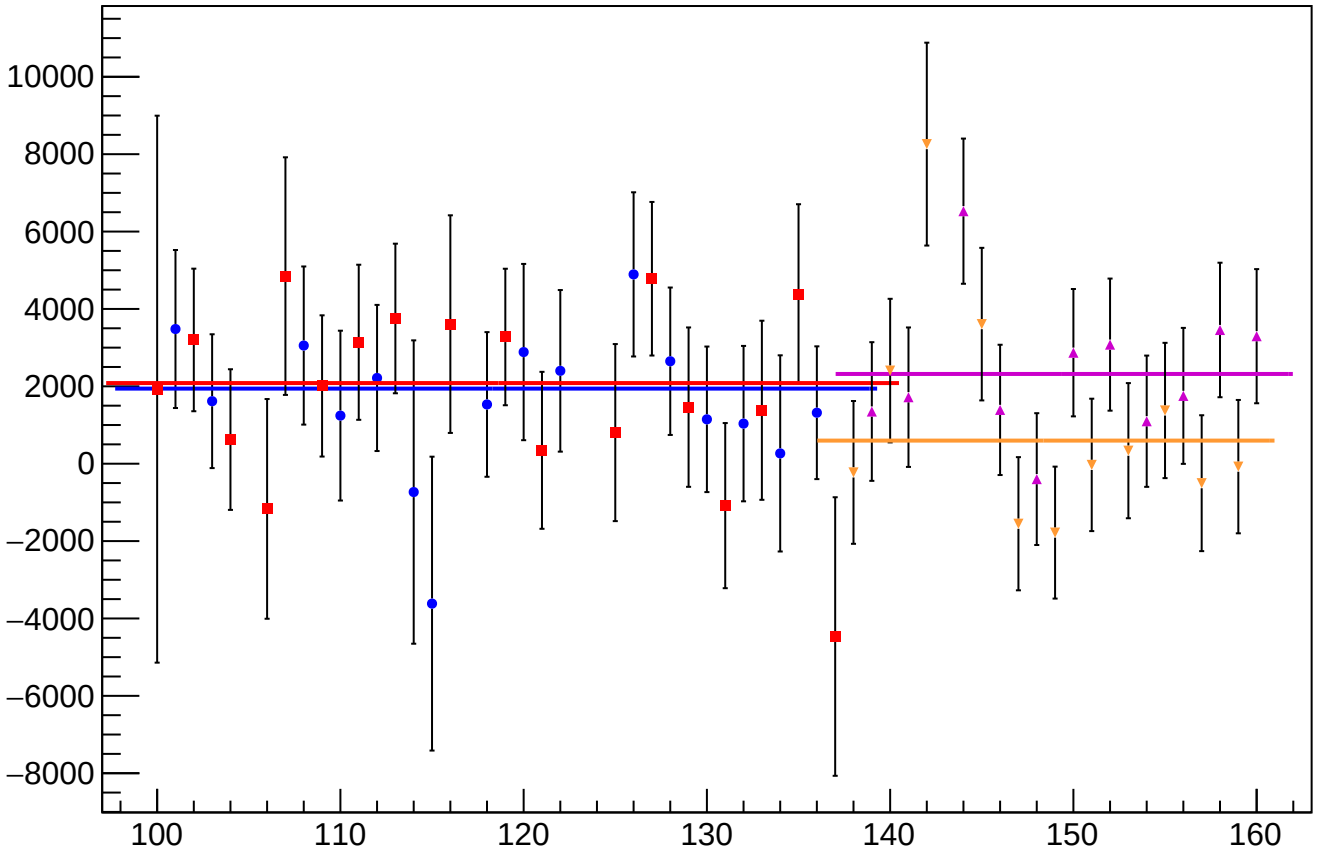
Left: 5224.610+/-0.880 χ^2/NDF: 1020526.0/21

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4053.352+/-0.733 χ^2/NDF:2768265.7/26

Out: 3942.339+/-0.730 χ^2/NDF:2509358.0/28

All: 3997.617+/-0.517 χ^2/NDF: 5289148.8/55



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: 2319.642+/-523.582 χ^2/NDF:10.0/10

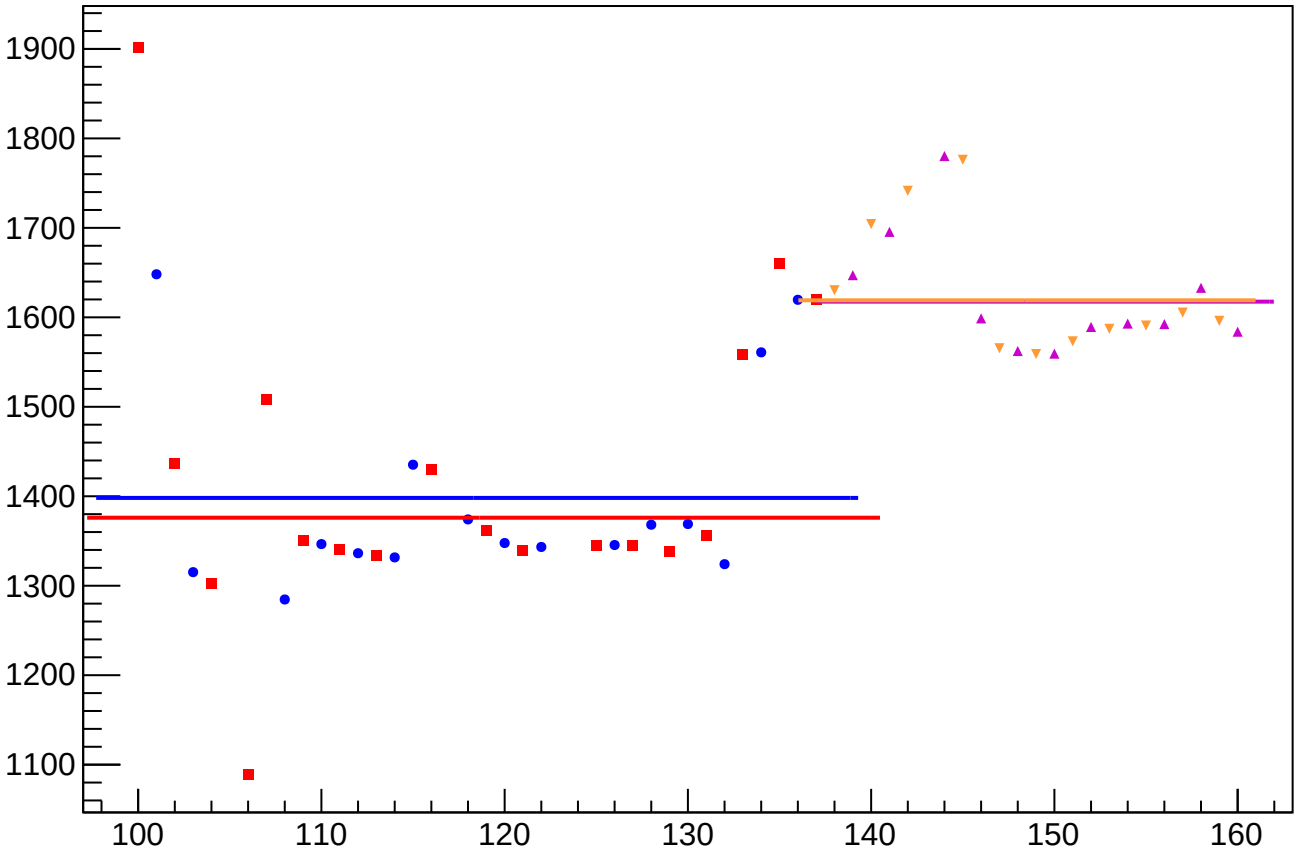
Left: 1498.346+/-378.684 χ^2/NDF: 31.5/21

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2129.827+/-369.730 χ^2/NDF:17.1/26

Out: 1380.848+/-377.165 χ^2/NDF:34.8/28

All: 1762.792+/-264.028 χ^2/NDF: 53.9/55



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: 1617.535+/-0.370 χ^2/NDF:26461.8/10

Left: 1618.245+/-0.268 χ^2/NDF: 55328.1/21

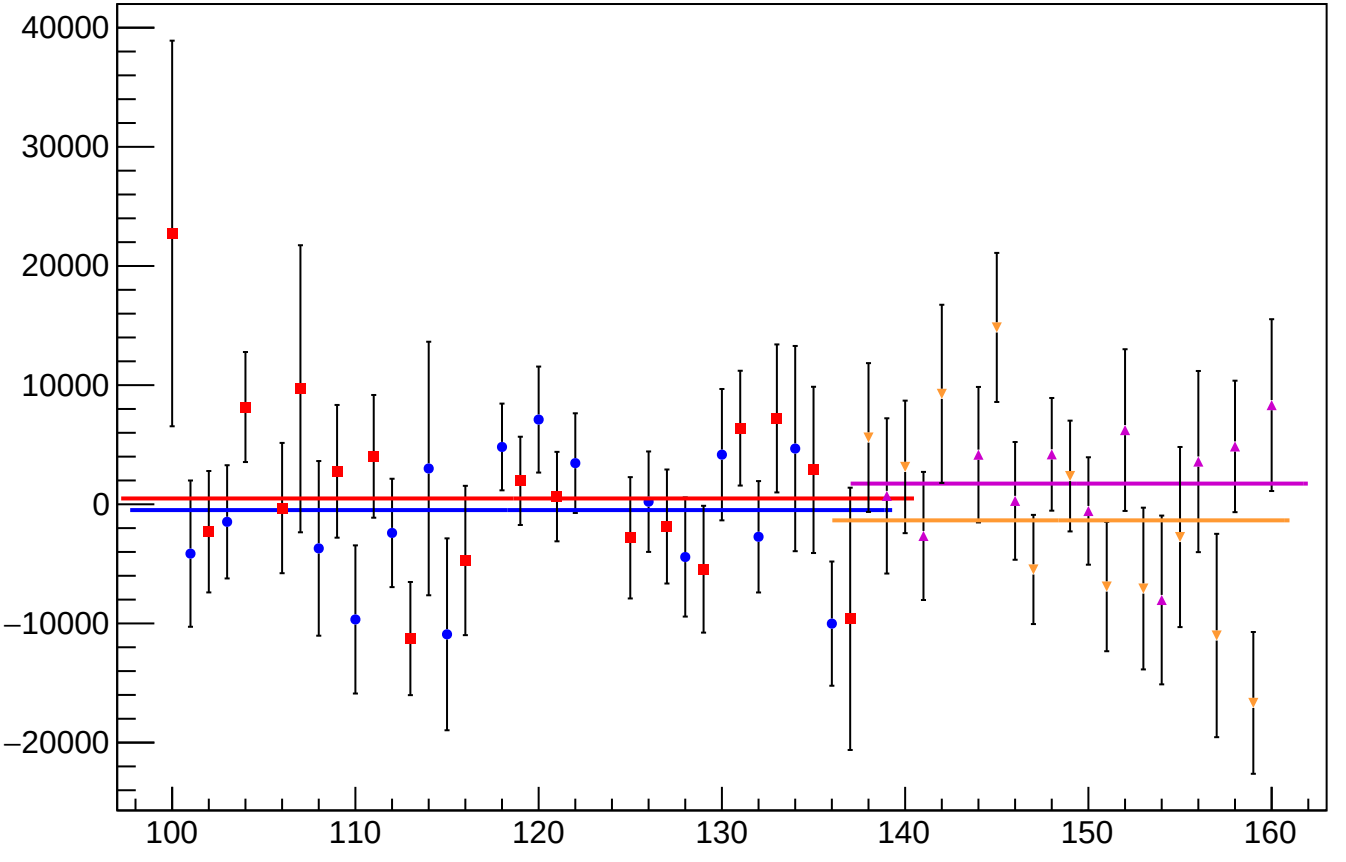
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1507.552+/-0.261 χ^2/NDF:296408.1/26

Out: 1489.361+/-0.265 χ^2/NDF:352463.6/28

All: 1498.573+/-0.186 χ^2/NDF: 651261.5/55

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: 1736.389+/-1727.745 χ^2/NDF:5.0/10

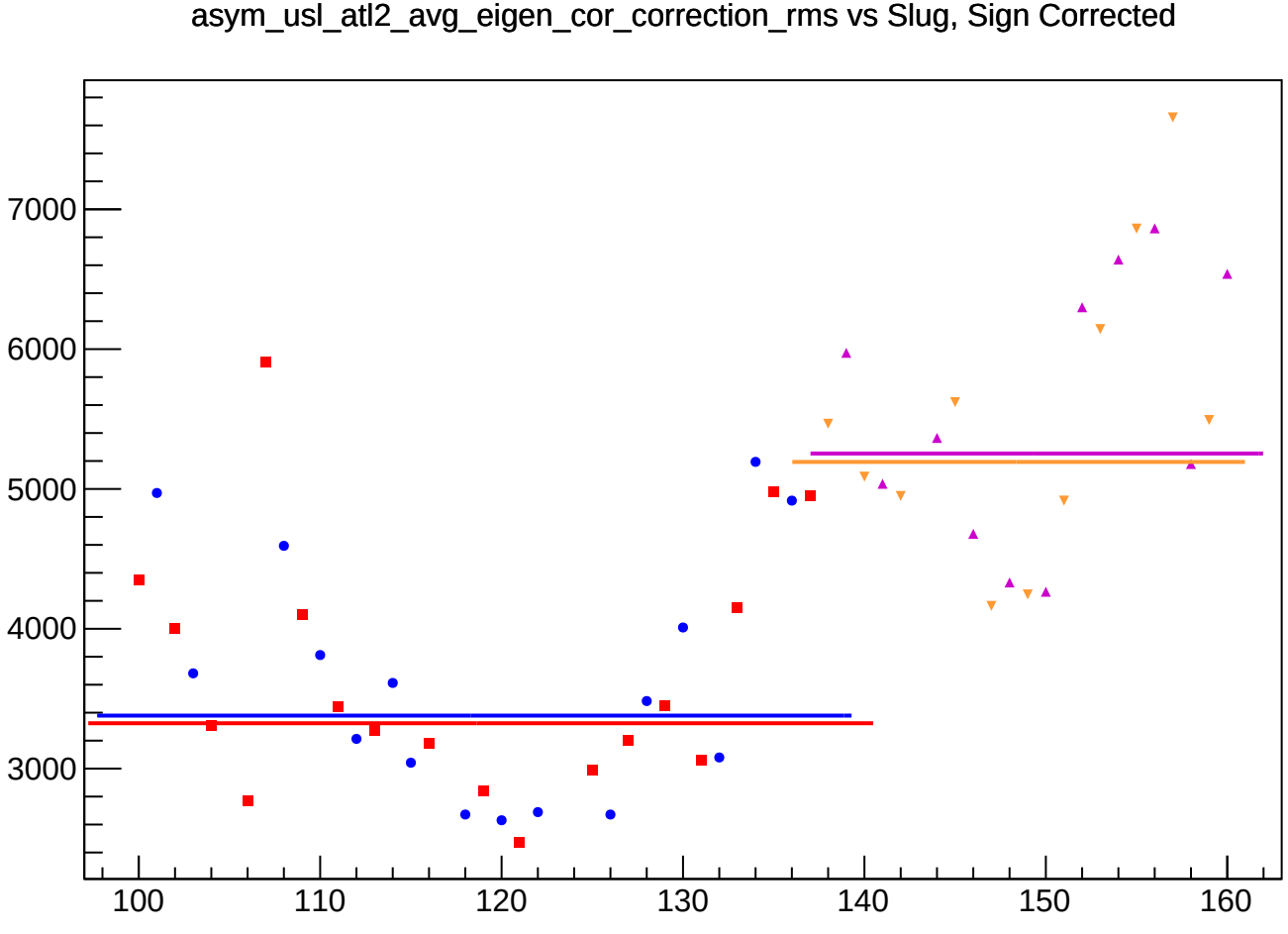
Left: 252.345+/-1244.694 χ^2/NDF: 28.3/21

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 313.005+/-1036.197 χ^2/NDF:22.1/26

Out: -118.940+/-1031.948 χ^2/NDF:41.2/28

All: 96.145+/-731.195 χ^2/NDF: 63.3/55



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: 5253.631+/-1.222 χ^2/NDF:505476.2/10

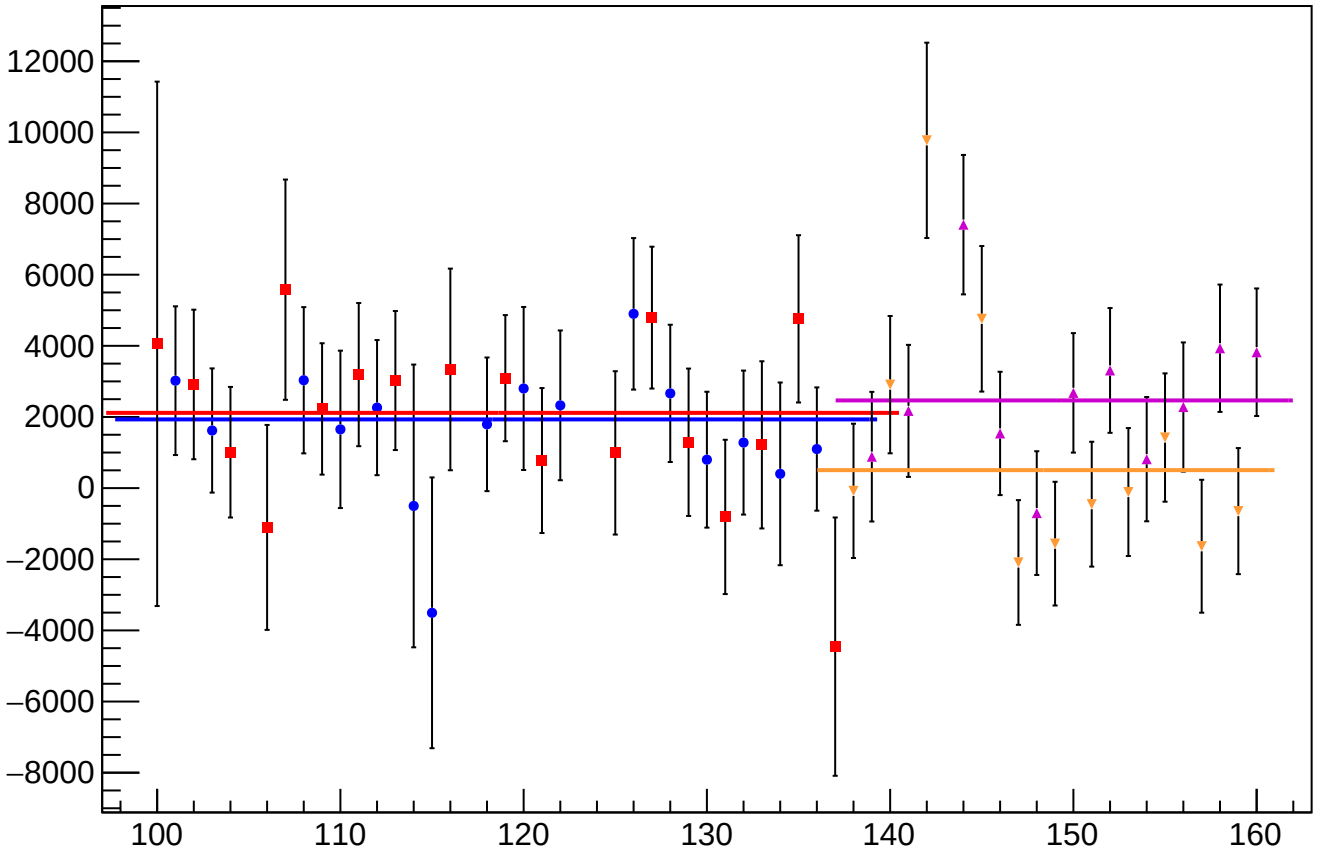
Left: 5224.610+/-0.880 χ^2/NDF: 1020526.0/21

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4053.352+/-0.733 χ^2/NDF:2768265.7/26

Out: 3942.339+/-0.730 χ^2/NDF:2509358.0/28

All: 3997.617+/-0.517 χ^2/NDF: 5289148.8/55



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: 2465.129+/-538.435 χ^2/NDF:13.1/10

Left: 1533.910+/-390.072 χ^2/NDF: 42.8/21

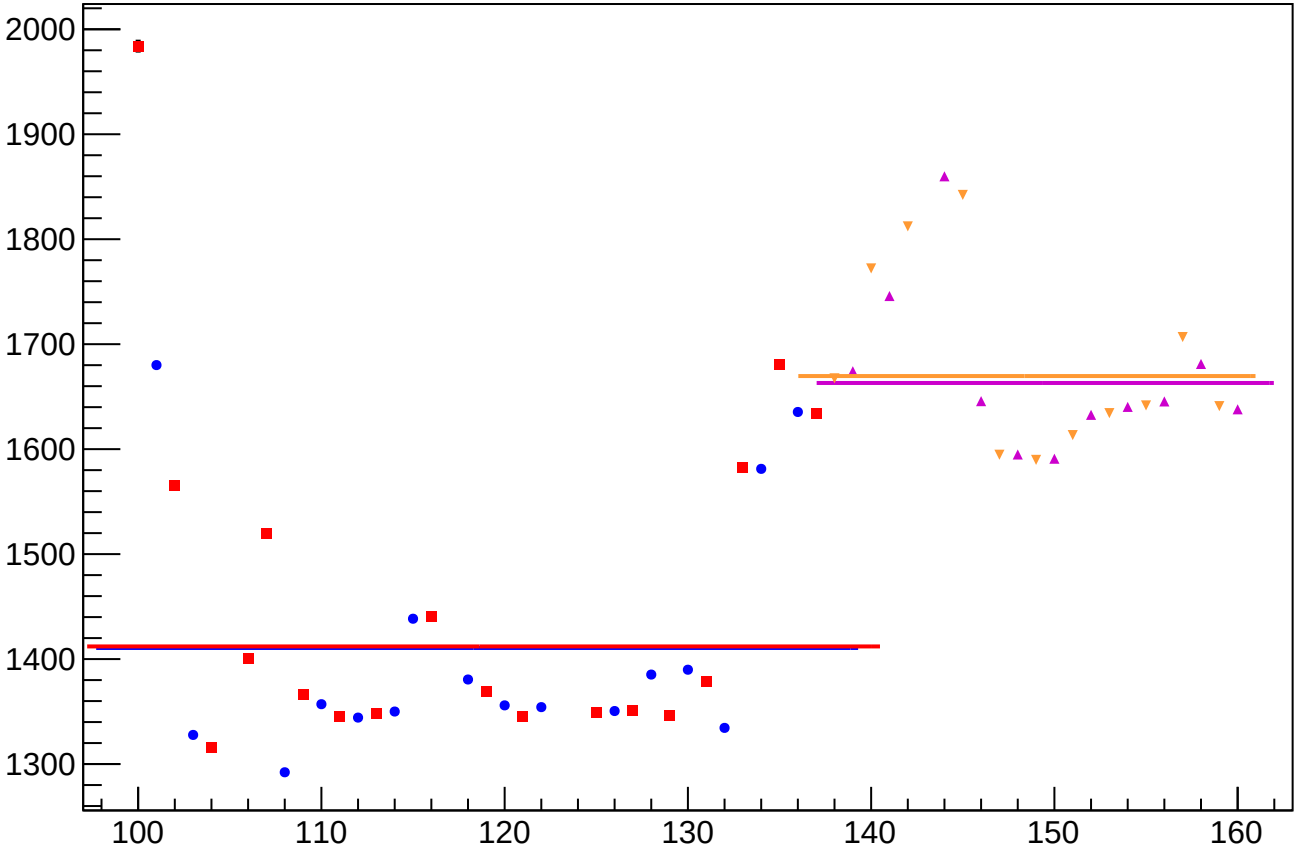
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2192.675+/-376.673 χ^2/NDF:20.0/26

Out: 1364.732+/-386.362 χ^2/NDF:40.9/28

All: 1789.216+/-269.708 χ^2/NDF: 63.3/55

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1663.042+/-0.381 χ^2/NDF:32916.7/10

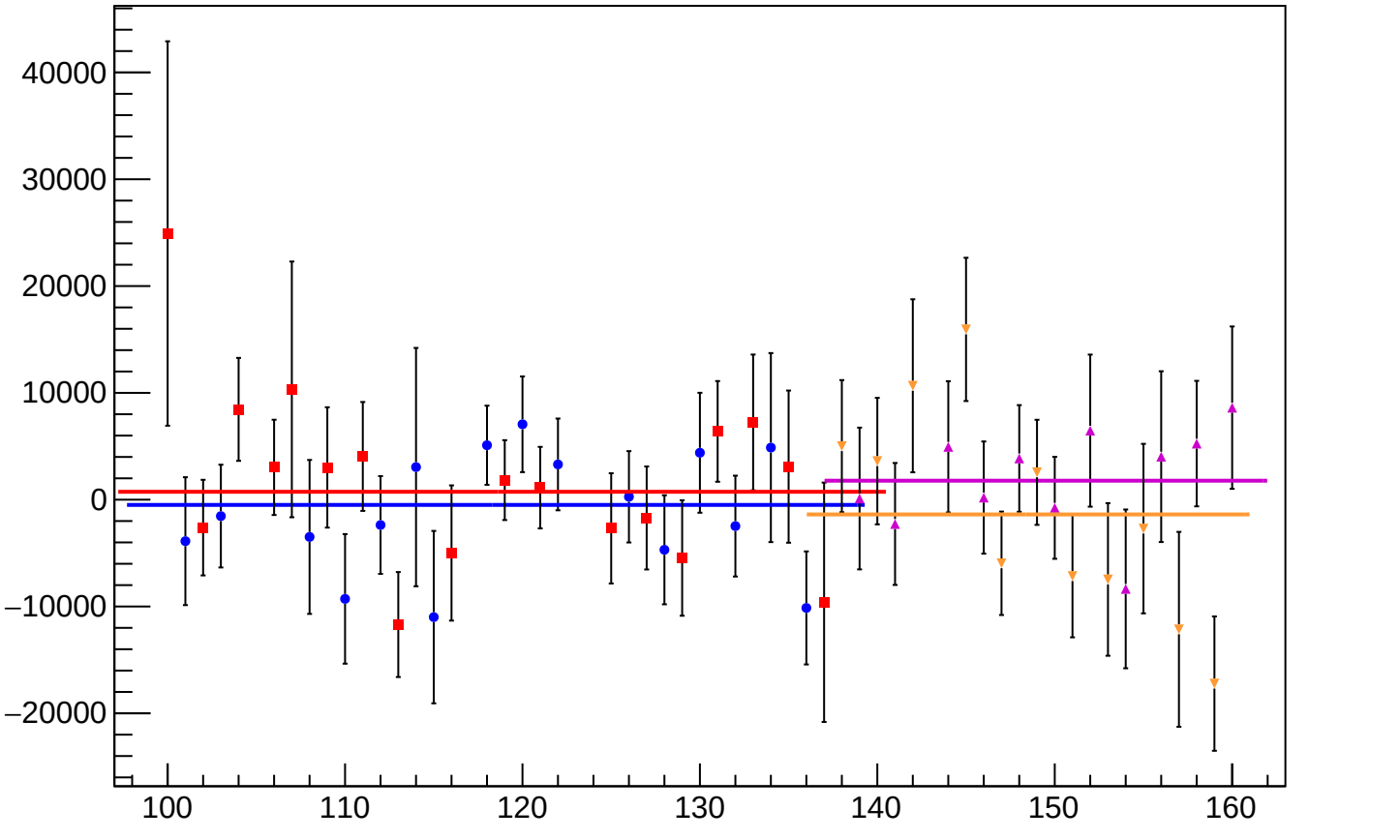
Left: 1666.174+/-0.276 χ^2/NDF: 70824.4/21

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1534.142+/-0.266 χ^2/NDF:356550.0/26

Out: 1531.784+/-0.273 χ^2/NDF:349244.4/28

All: 1532.991+/-0.191 χ^2/NDF: 705832.6/55



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: 1777.805+/-1825.957 χ^2/NDF:4.9/10

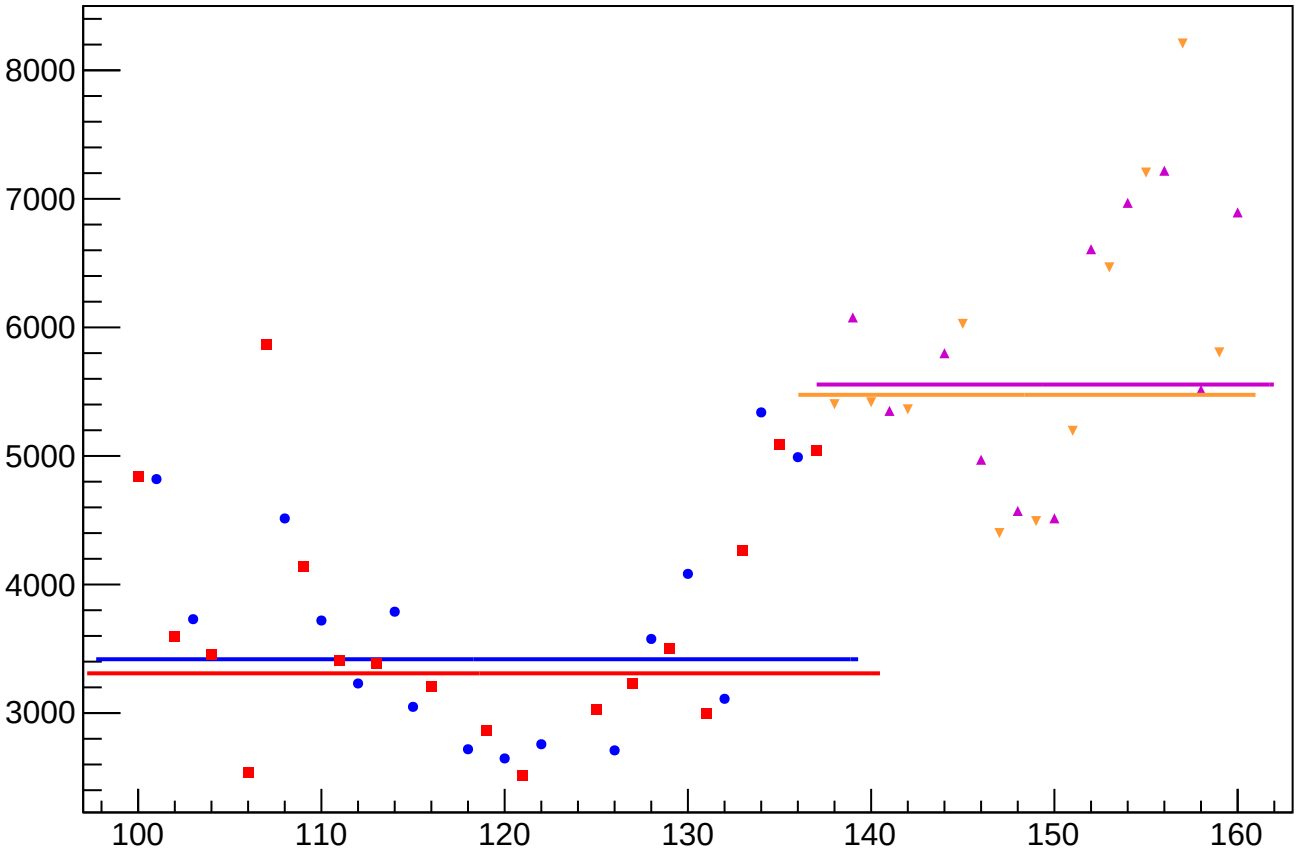
Left: 254.682+/-1313.874 χ^2/NDF: 28.1/21

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 279.995+/-1063.702 χ^2/NDF:21.8/26

Out: 97.516+/-1041.744 χ^2/NDF:41.8/28

All: 186.852+/-744.266 χ^2/NDF: 63.5/55



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: 5555.618+/-1.291 χ^2/NDF:480448.8/10

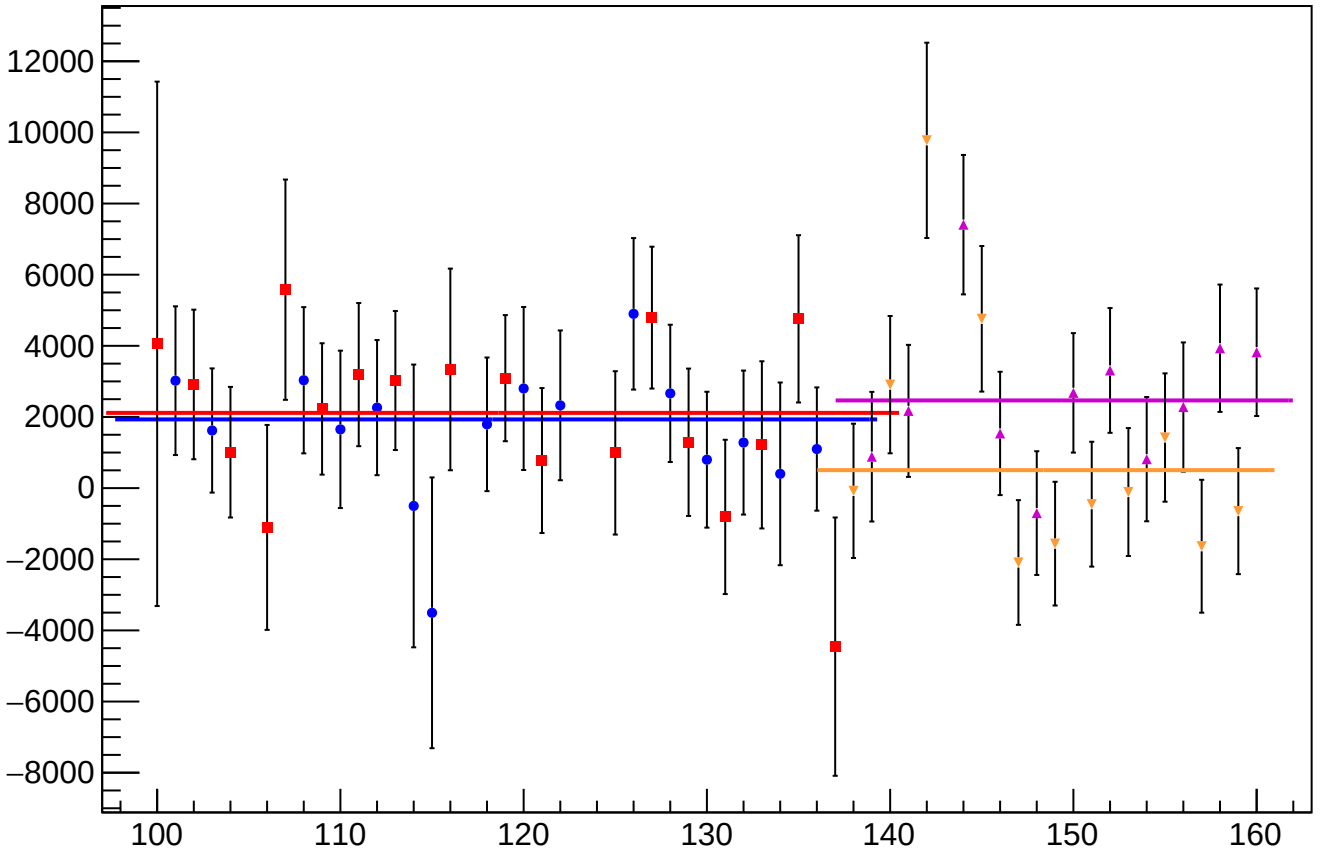
Left: 5517.020+/-0.929 χ^2/NDF: 998276.5/21

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4143.882+/-0.752 χ^2/NDF:3011294.1/26

Out: 3965.912+/-0.737 χ^2/NDF:2915268.6/28

All: 4053.041+/-0.526 χ^2/NDF: 5955140.0/55



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: 2465.131+/-538.436 χ^2/NDF:13.1/10

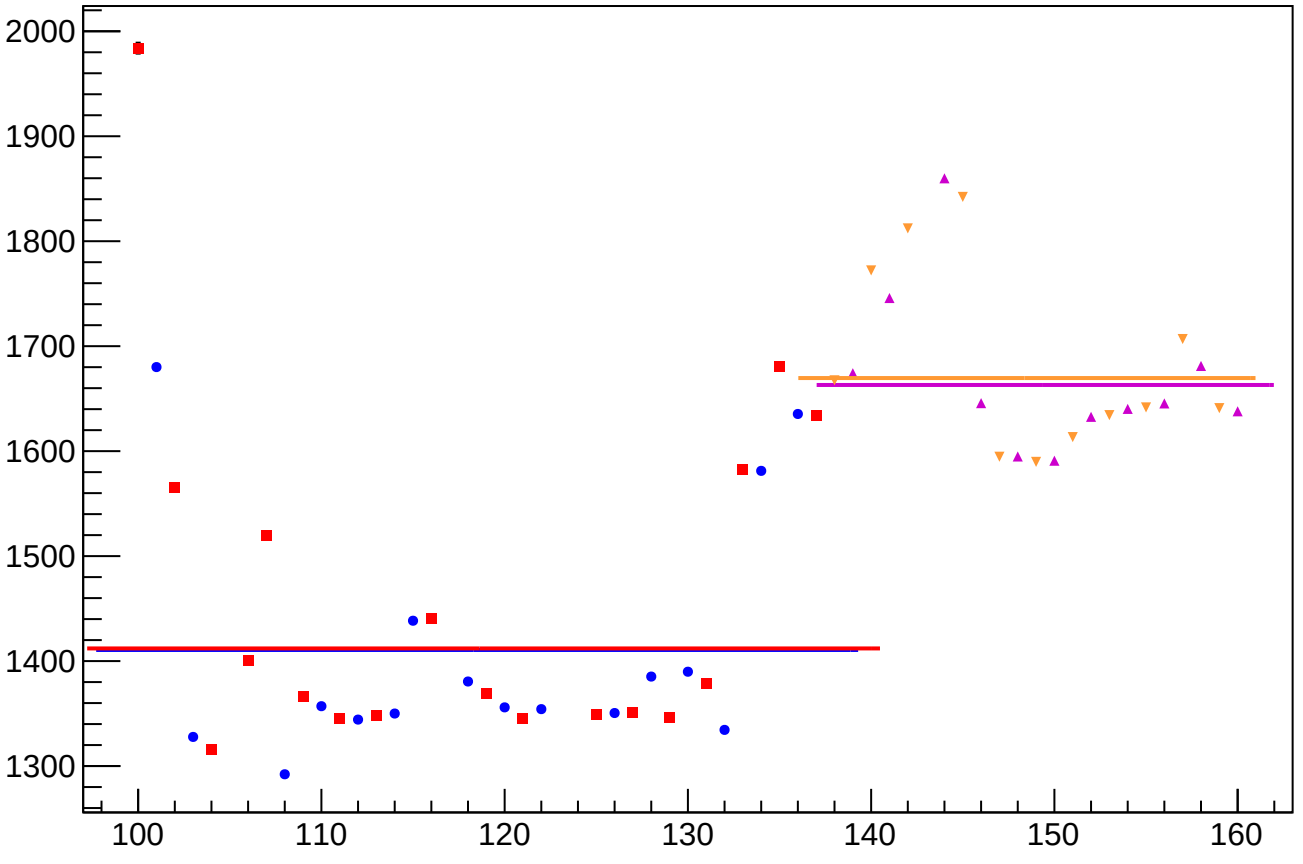
Left: 1533.908+/-390.072 χ^2/NDF: 42.8/21

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2192.677+/-376.673 χ^2/NDF:20.0/26

Out: 1364.730+/-386.362 χ^2/NDF:40.9/28

All: 1789.216+/-269.708 χ^2/NDF: 63.3/55



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: 1663.043+/-0.381 χ^2/NDF:32917.1/10

Left: 1666.175+/-0.276 χ^2/NDF: 70825.5/21

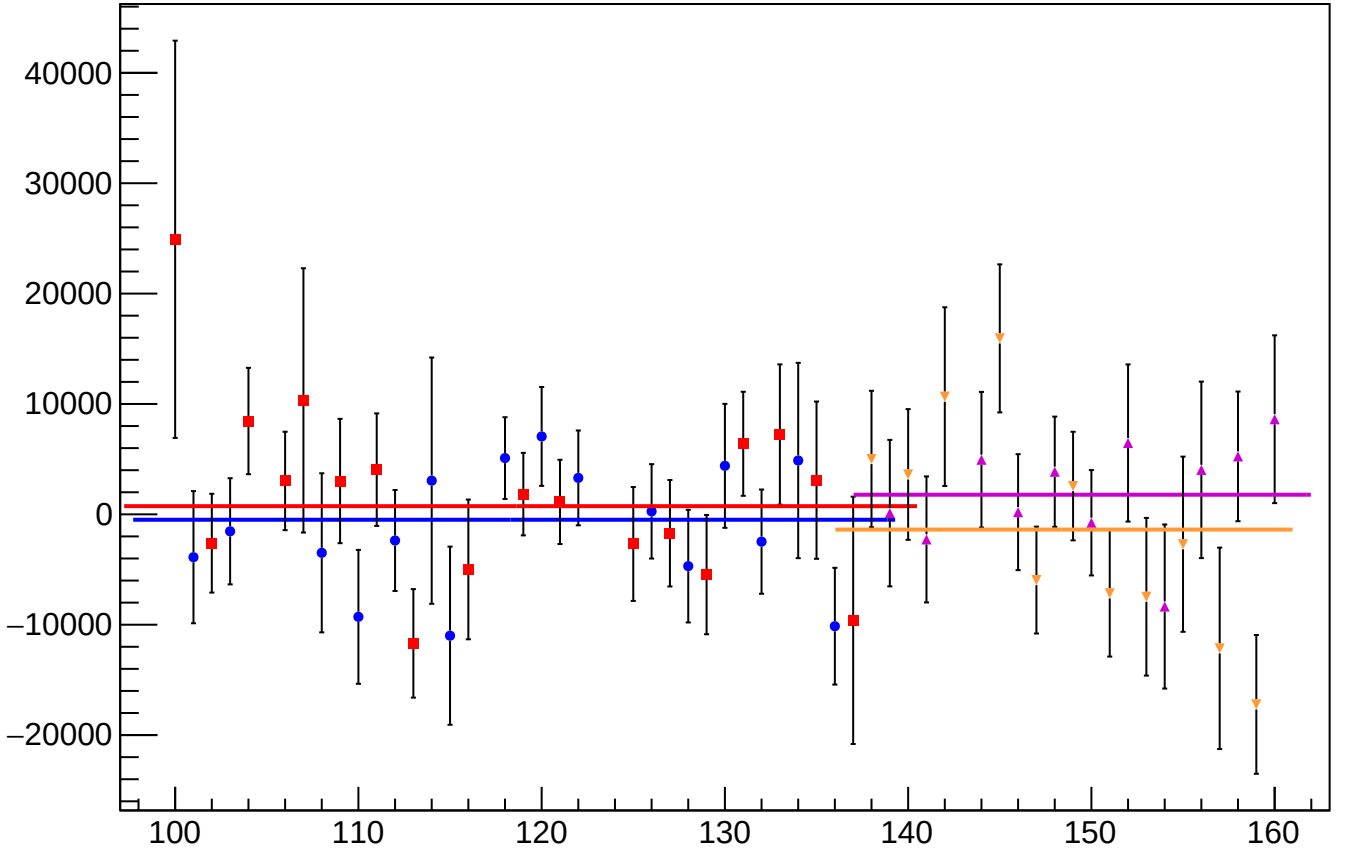
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1534.142+/-0.266 χ^2/NDF:356552.5/26

Out: 1531.785+/-0.273 χ^2/NDF:349247.8/28

All: 1532.992+/-0.191 χ^2/NDF: 705838.6/55

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: 1777.807+/-1825.959 χ^2/NDF:4.9/10

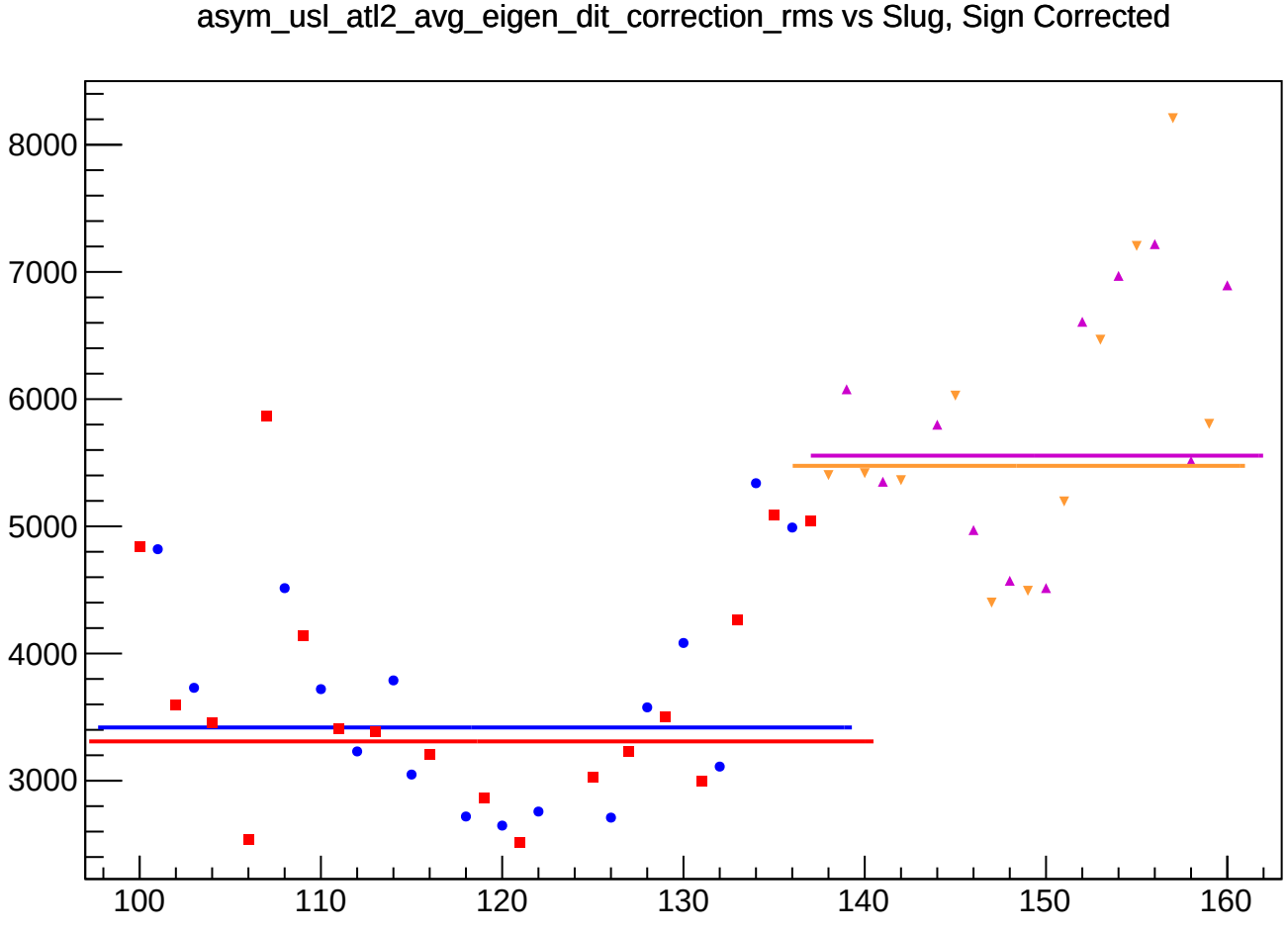
Left: 254.679+/-1313.875 χ^2/NDF: 28.1/21

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 279.996+/-1063.701 χ^2/NDF:21.8/26

Out: 97.518+/-1041.742 χ^2/NDF:41.8/28

All: 186.854+/-744.265 χ^2/NDF: 63.5/55



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5475.587+/-1.338 χ^2/NDF:515977.4/10

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5555.624+/-1.291 χ^2/NDF:480451.3/10

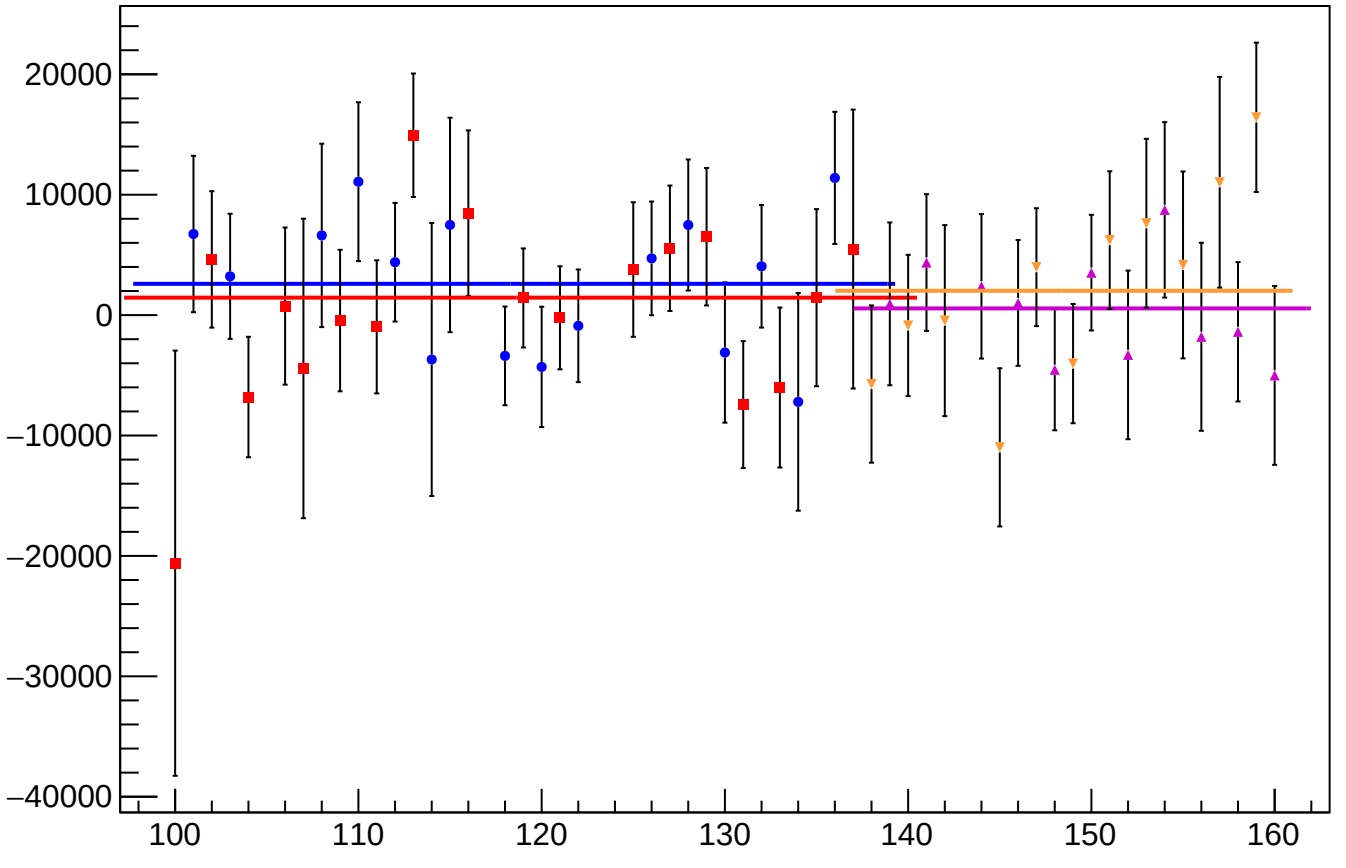
Left: 5517.027+/-0.929 χ^2/NDF: 998281.8/21

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4143.873+/-0.752 χ^2/NDF:3011336.0/26

Out: 3965.903+/-0.737 χ^2/NDF:2915303.5/28

All: 4053.032+/-0.526 χ^2/NDF: 5955216.8/55



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: 555.468+/-1814.222 χ^2/NDF:4.3/10

Left: 1259.650+/-1308.120 χ^2/NDF: 19.6/21

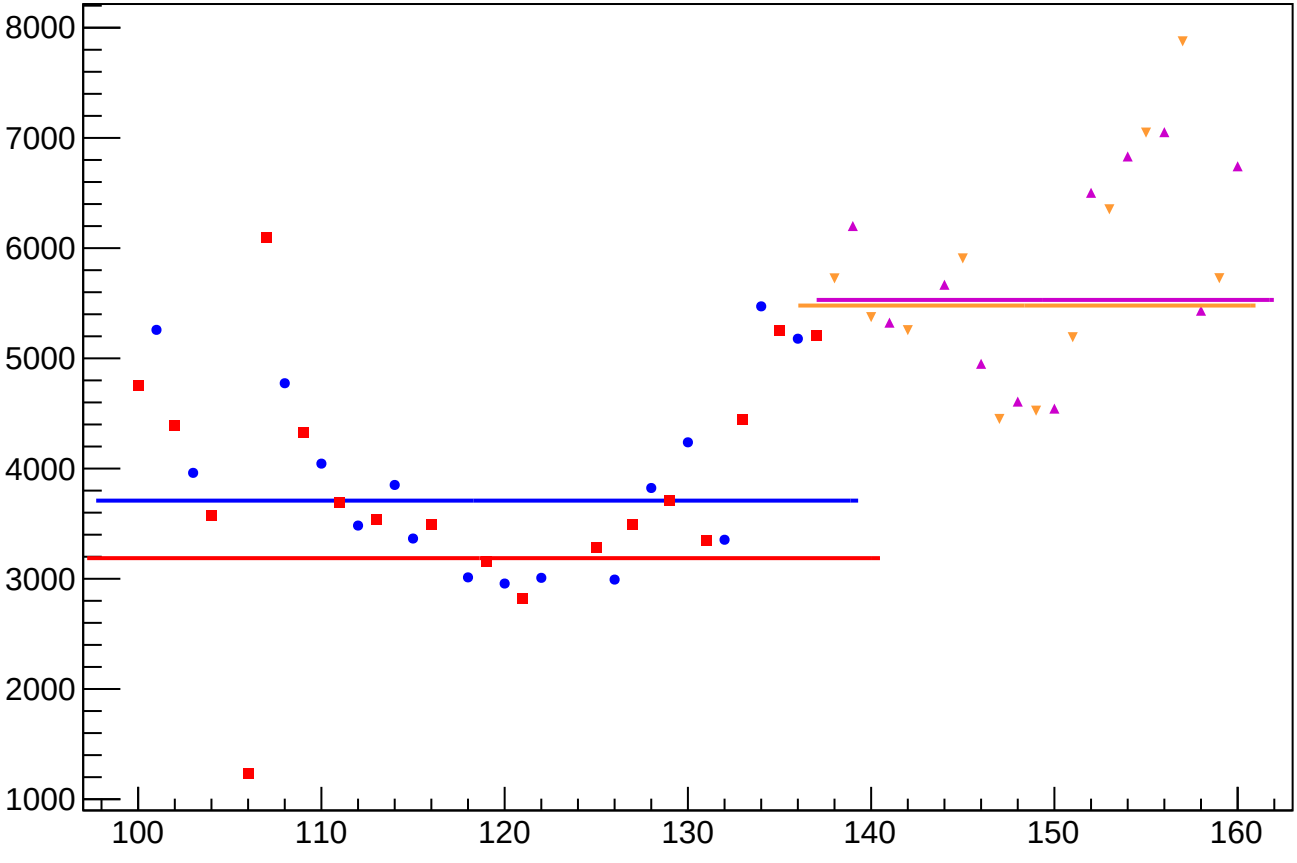
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1826.796+/-1115.513 χ^2/NDF:18.6/26

Out: 1650.065+/-1115.574 χ^2/NDF:34.1/28

All: 1738.435+/-788.808 χ^2/NDF: 52.7/55

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: 5530.247+/-1.283 χ^2/NDF:431799.7/10

Left: 5505.691+/-0.925 χ^2/NDF: 879629.3/21

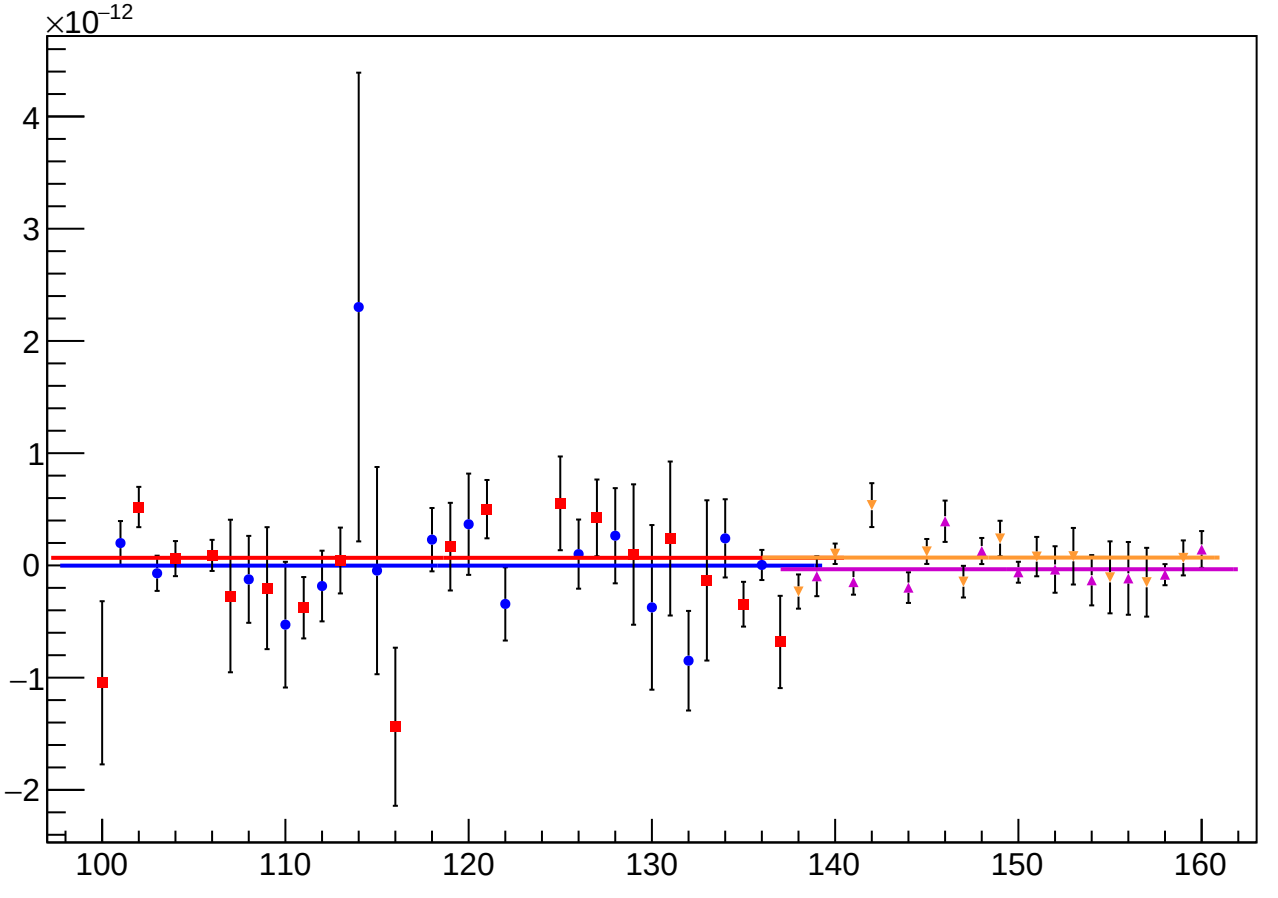
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4397.647+/-0.789 χ^2/NDF:2295745.3/26

Out: 3898.536+/-0.744 χ^2/NDF:4090623.4/28

All: 4133.424+/-0.541 χ^2/NDF: 6598326.3/55

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:11.7/10

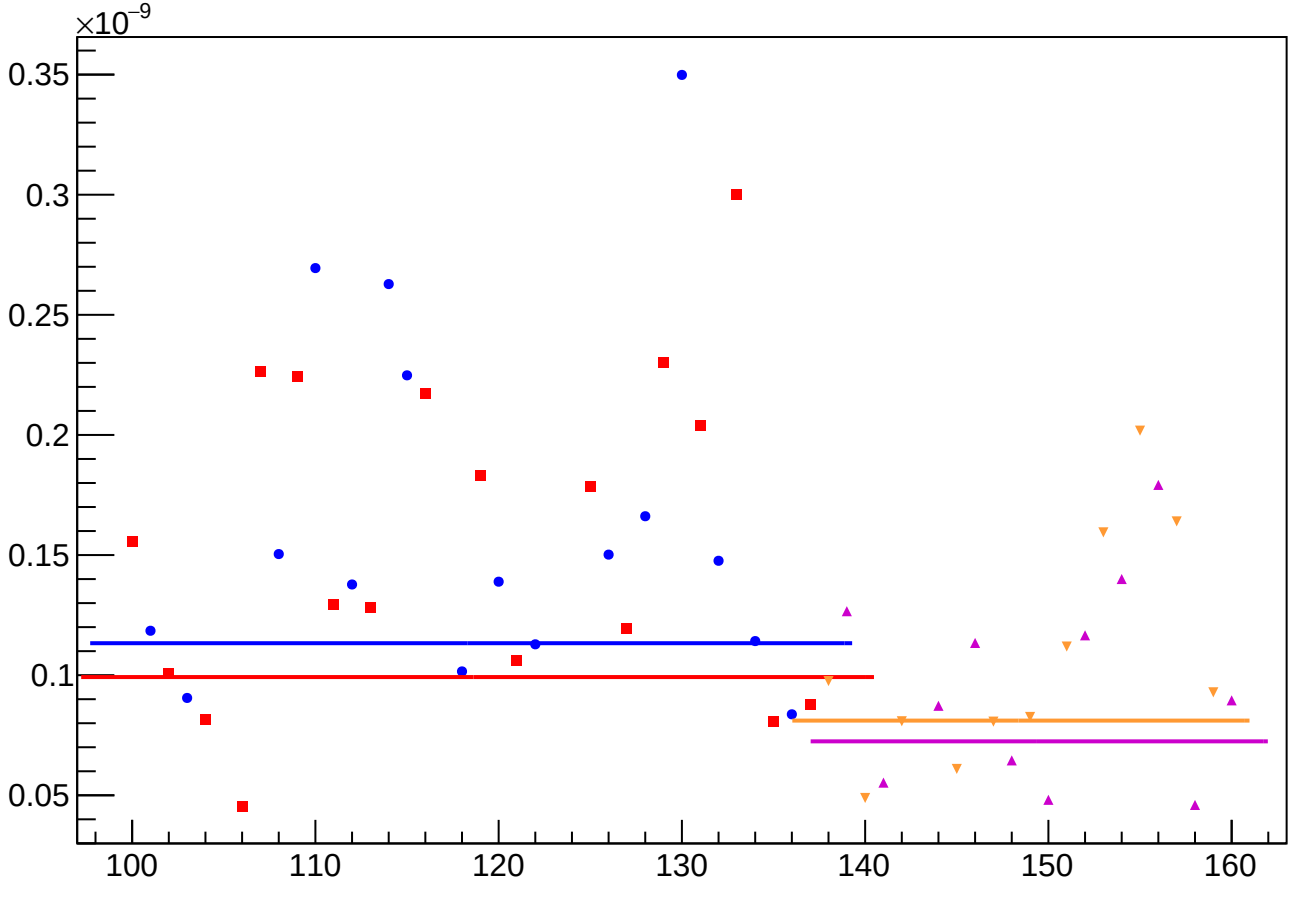
Left: 0.000+/-0.000 χ^2/NDF: 28.8/21

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:23.0/26

Out: 0.000+/-0.000 χ^2/NDF:43.8/28

All: 0.000+/-0.000 χ^2/NDF: 70.1/55



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:1170347.7/10

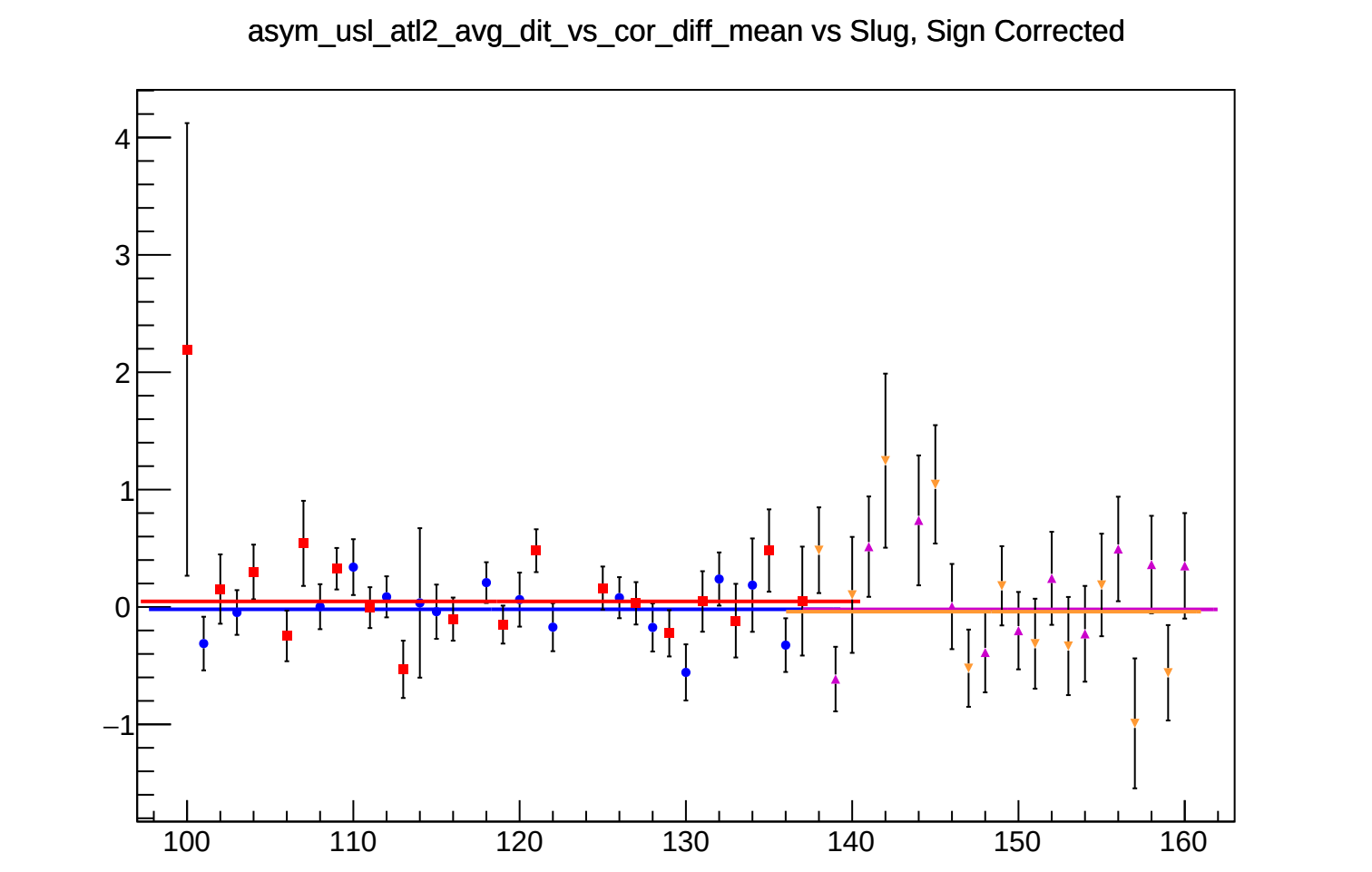
Left: 0.000+/-0.000 χ^2/NDF: 2244691.8/21

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2326909.9/26

Out: 0.000+/-0.000 χ^2/NDF:2238239.6/28

All: 0.000+/-0.000 χ^2/NDF: 4578025.5/55



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: -0.021+/-0.115 χ^2/NDF:13.1/10

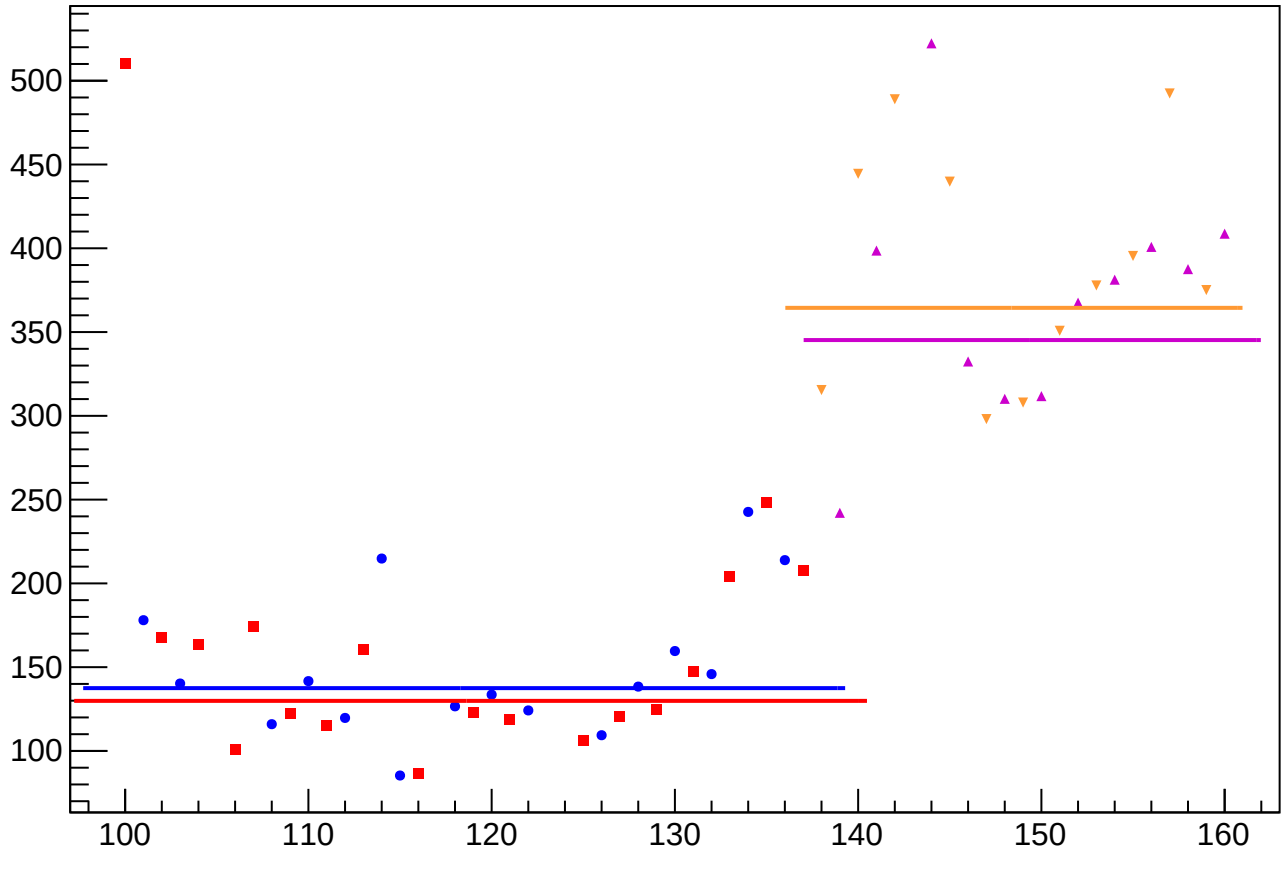
Left: -0.029+/-0.085 χ^2/NDF: 31.4/21

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

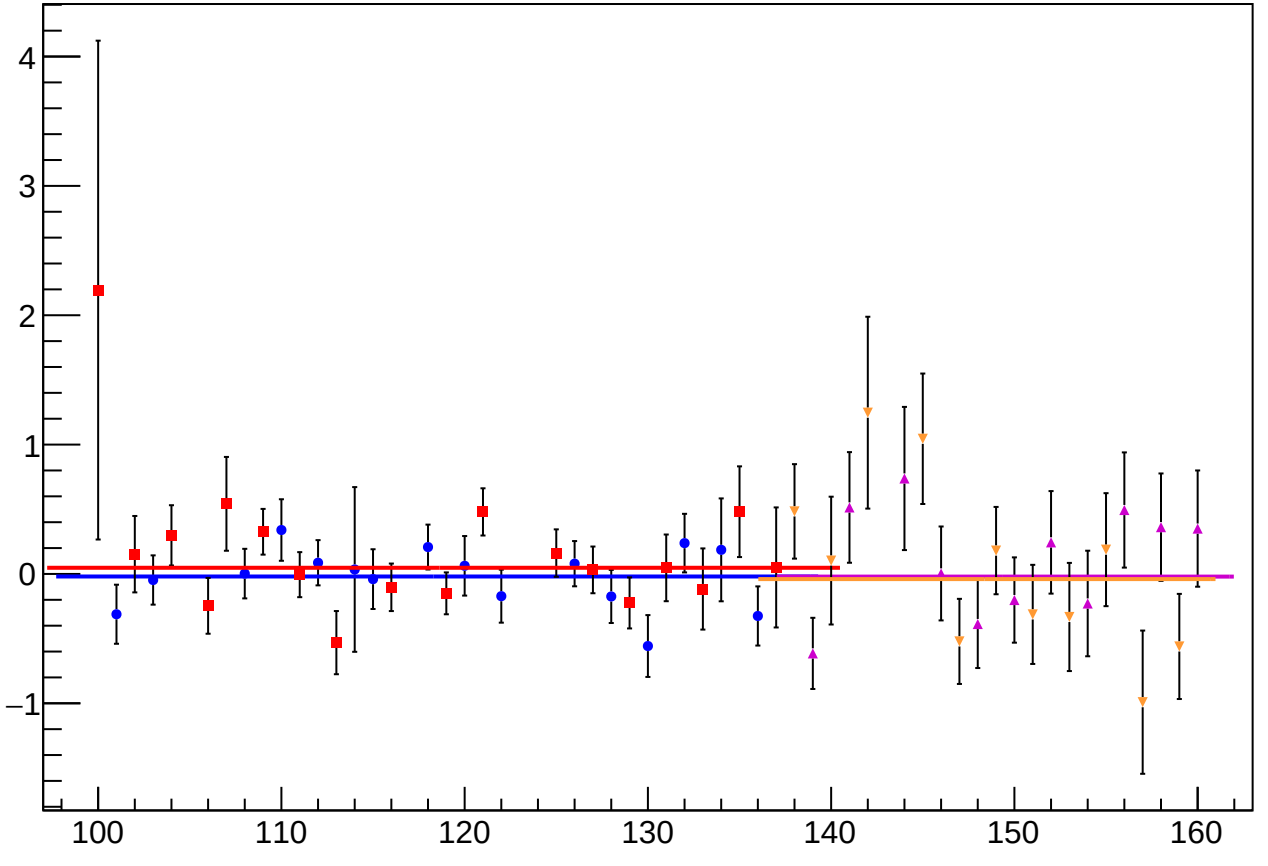
In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.035+/-0.048 χ^2/NDF:44.9/28

All: 0.008+/-0.034 χ^2/NDF: 74.7/55


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: 345.230+/-0.081 χ²/NDF:674999.8/10
Left: 353.931+/-0.060 χ²/NDF: 1150126.7/21
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 175.224+/-0.035 χ²/NDF:6703270.9/26
Out: 164.330+/-0.034 χ²/NDF:7147552.3/28
All: 169.716+/-0.024 χ²/NDF: 13900735.3/55

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: -0.021+/-0.115 χ^2/NDF:13.1/10

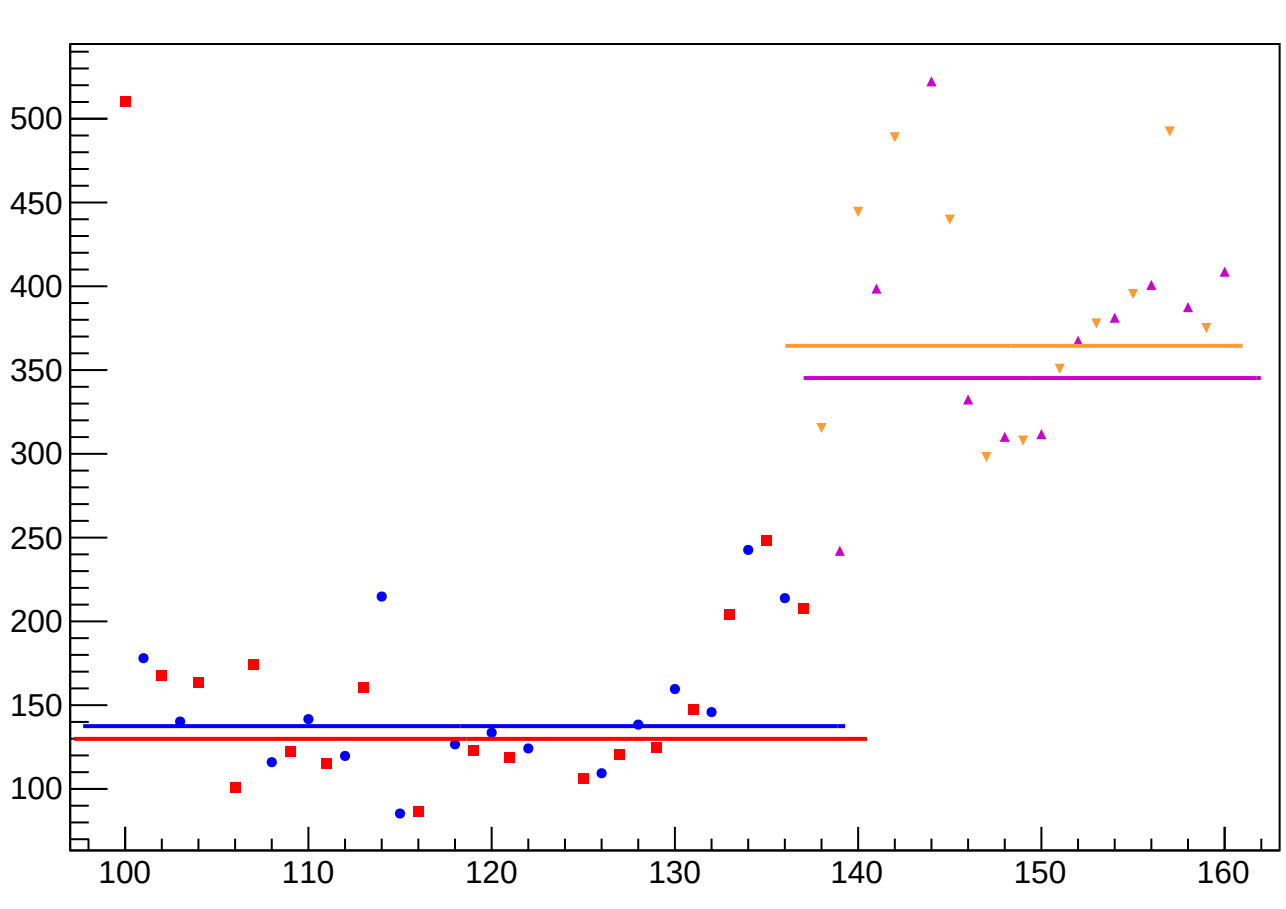
Left: -0.029+/-0.085 χ^2/NDF: 31.4/21

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.035+/-0.048 χ^2/NDF:44.9/28

All: 0.008+/-0.034 χ^2/NDF: 74.7/55



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: 345.230+/-0.081 χ^2/NDF:674999.8/10

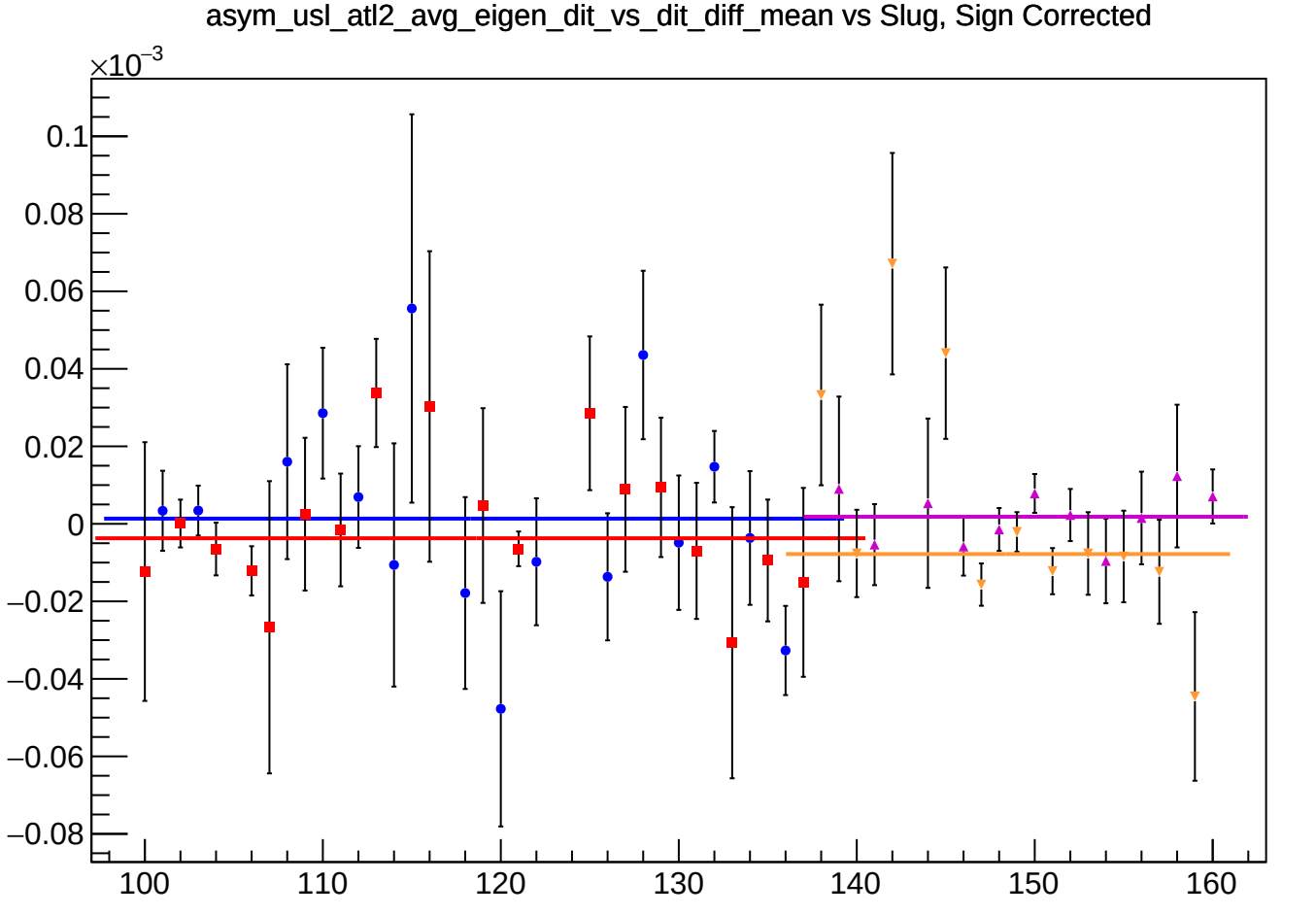
Left: 353.931+/-0.060 χ^2/NDF: 1150126.7/21

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

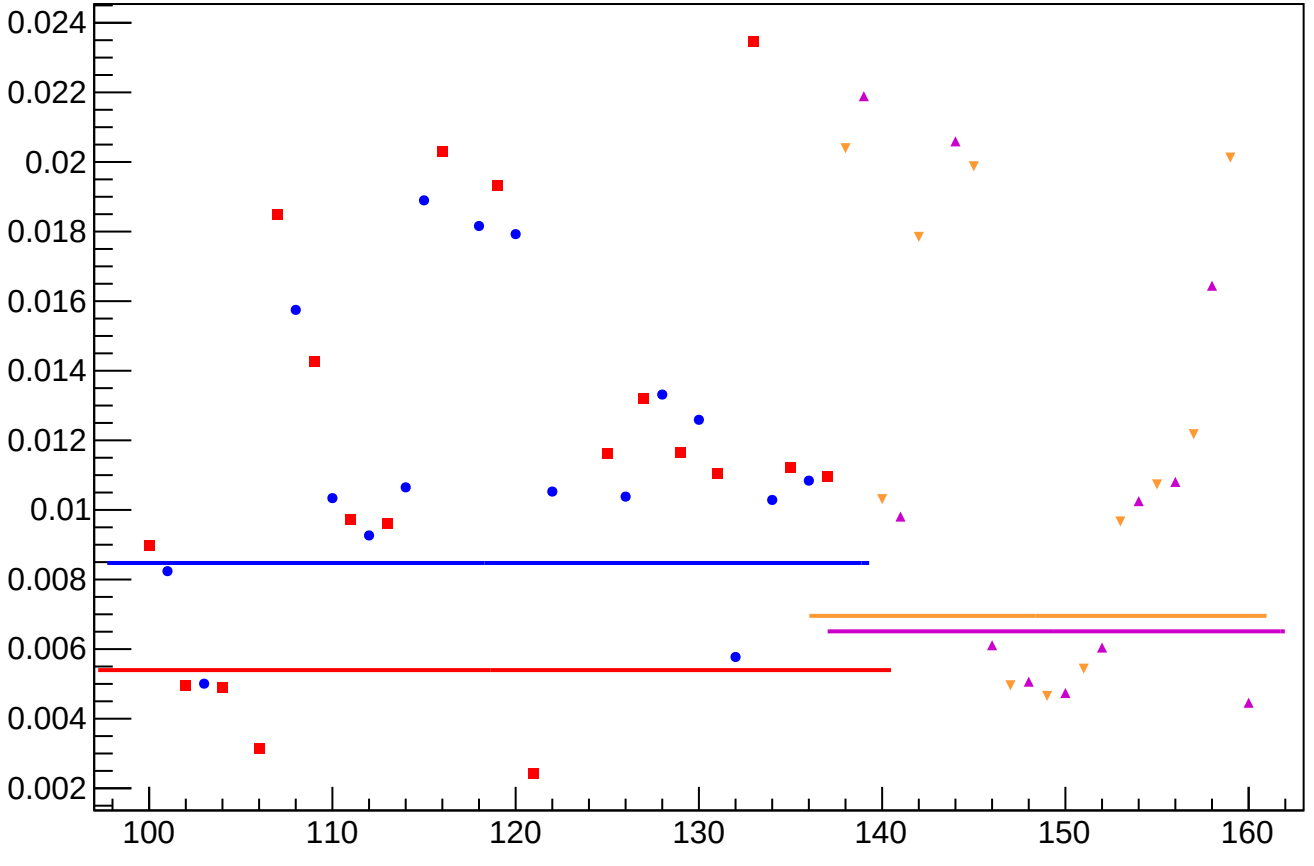
In: 175.224+/-0.035 χ^2/NDF:6703270.9/26

Out: 164.330+/-0.034 χ^2/NDF:7147552.3/28

All: 169.716+/-0.024 χ^2/NDF: 13900735.3/55


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:5.4/10
Left: -0.000+/-0.000 χ²/NDF: 34.7/21
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:29.4/26
Out: -0.000+/-0.000 χ²/NDF:39.3/28
All: -0.000+/-0.000 χ²/NDF: 75.9/55

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-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:3514822.7/10

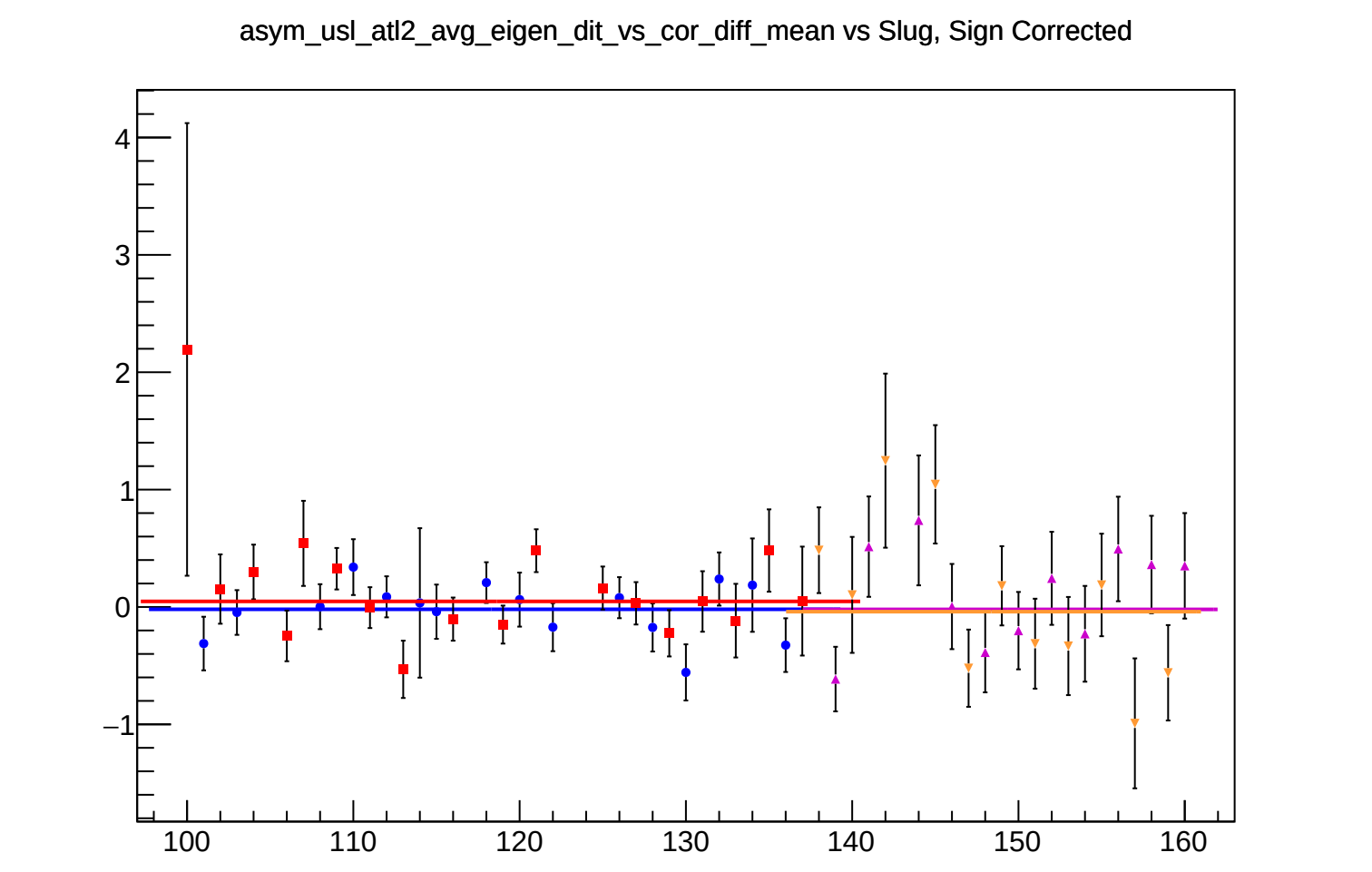
Left: 0.007+/-0.000 χ^2/NDF: 7535179.2/21

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:5870607.0/26

Out: 0.006+/-0.000 χ^2/NDF:9255119.9/28

All: 0.007+/-0.000 χ^2/NDF: 15423293.3/55



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: -0.021+/-0.115 χ^2/NDF:13.1/10

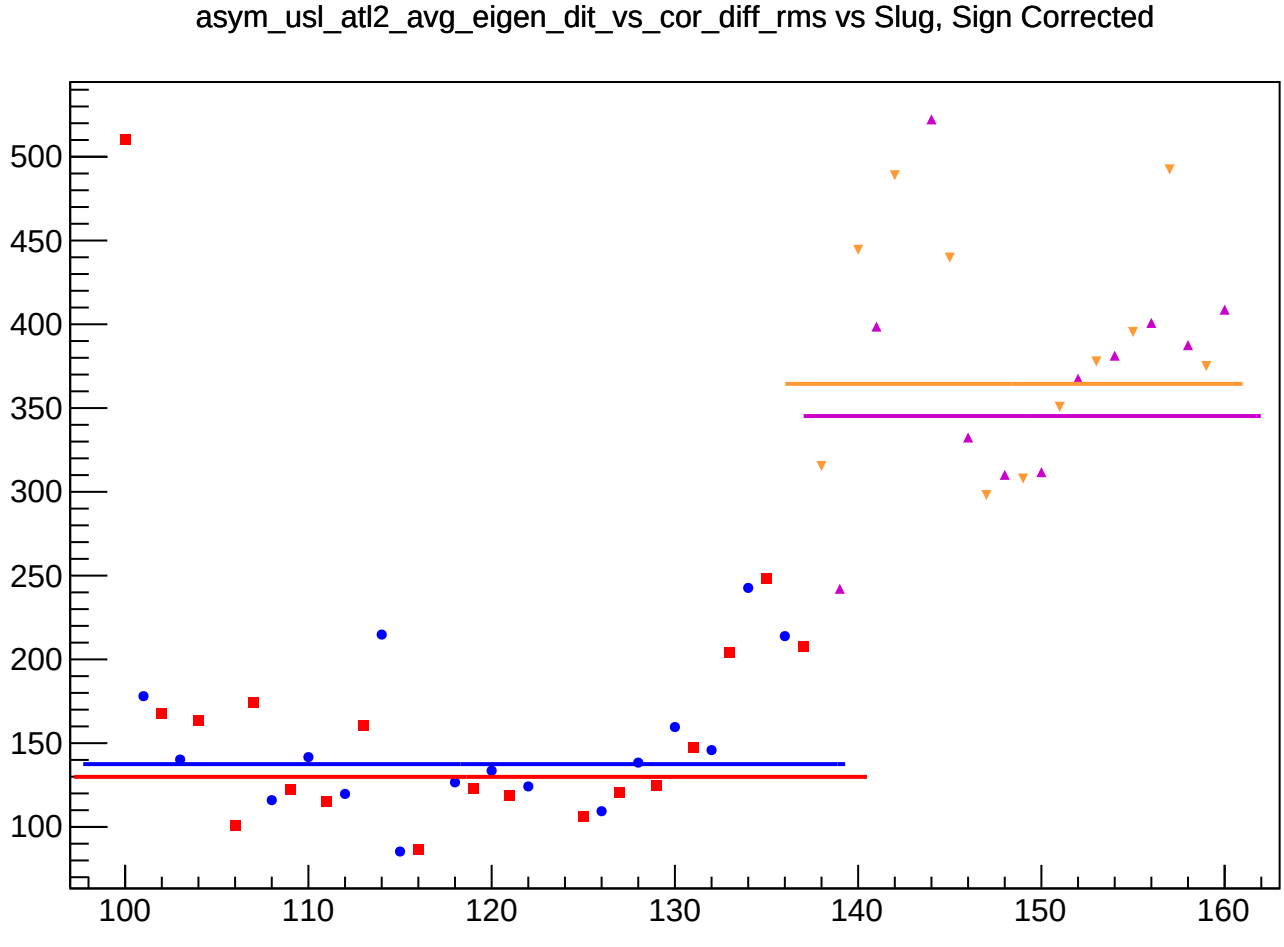
Left: -0.029+/-0.085 χ^2/NDF: 31.4/21

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

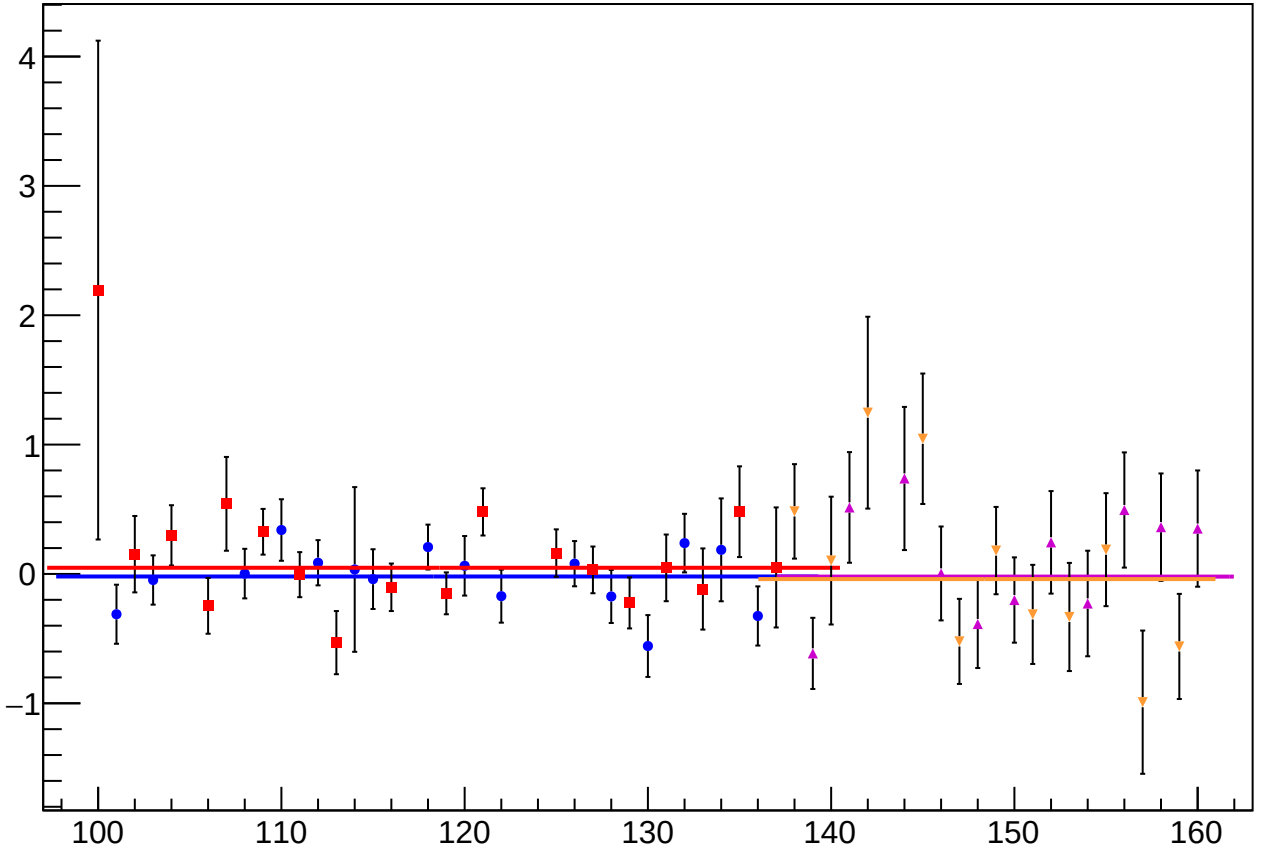
In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.035+/-0.048 χ^2/NDF:44.9/28

All: 0.008+/-0.034 χ^2/NDF: 74.7/55


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: 345.235+/-0.081 χ²/NDF:674989.9/10
Left: 353.936+/-0.060 χ²/NDF: 1150155.5/21
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 175.224+/-0.035 χ²/NDF:6703385.0/26
Out: 164.330+/-0.034 χ²/NDF:7147632.9/28
All: 169.716+/-0.024 χ²/NDF: 13900930.0/55

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.040+/-0.127 χ^2/NDF:18.2/10

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.021+/-0.115 χ^2/NDF:13.1/10

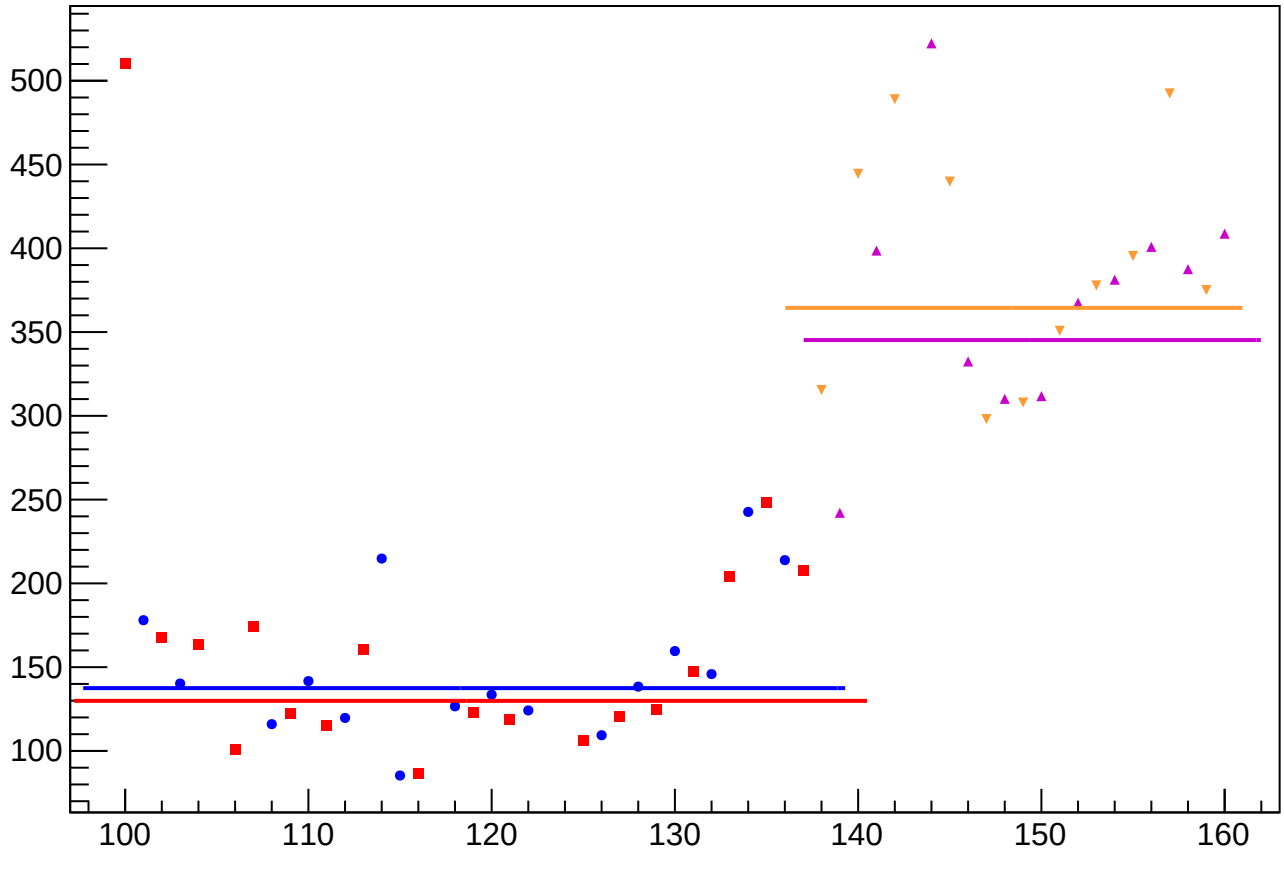
Left: -0.029+/-0.085 χ^2/NDF: 31.4/21

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.035+/-0.048 χ^2/NDF:44.9/28

All: 0.008+/-0.034 χ^2/NDF: 74.7/55



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: 345.235+/-0.081 χ^2/NDF:674989.9/10

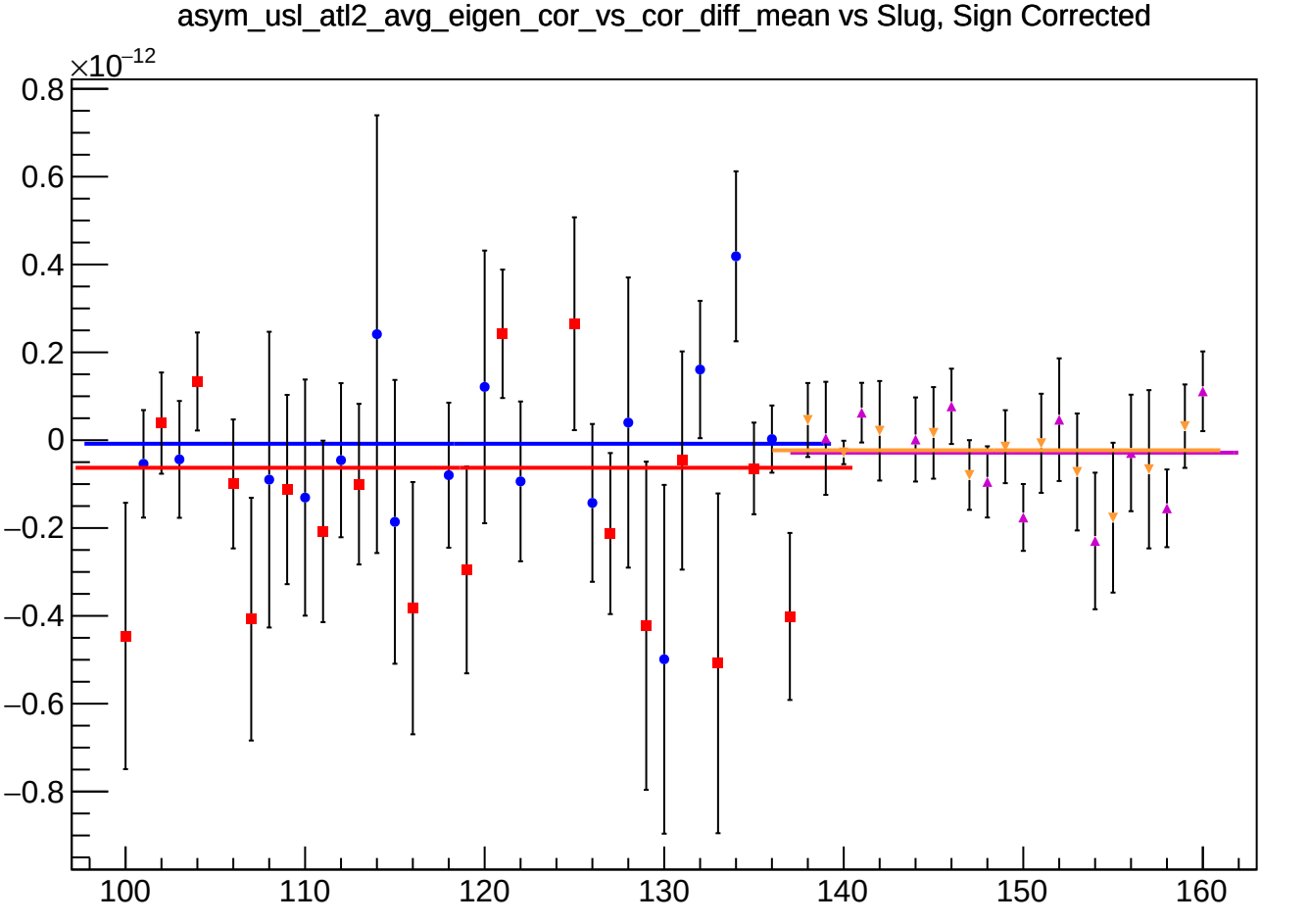
Left: 353.936+/-0.060 χ^2/NDF: 1150155.5/21

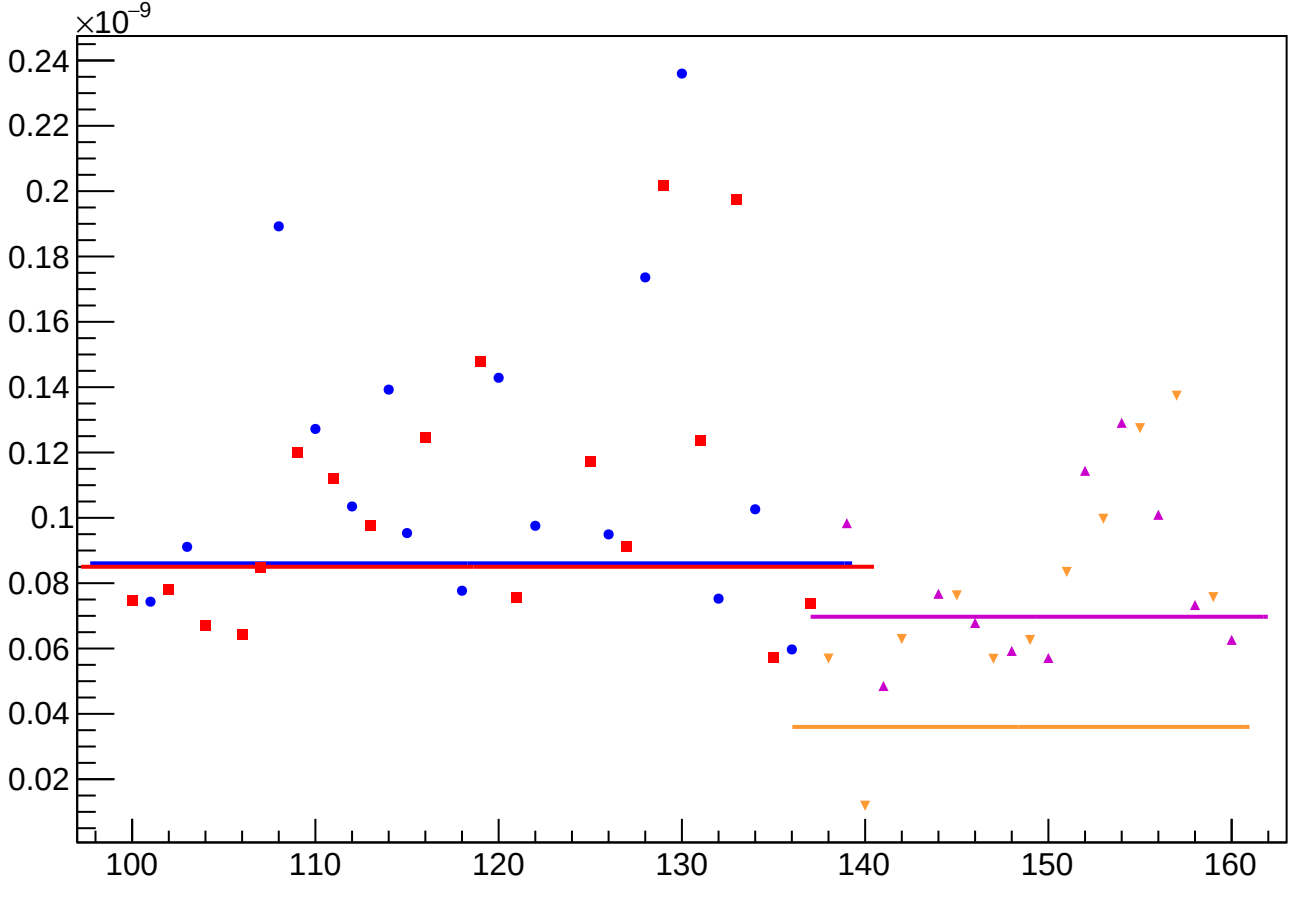
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 175.224+/-0.035 χ^2/NDF:6703385.0/26

Out: 164.330+/-0.034 χ^2/NDF:7147632.9/28

All: 169.716+/-0.024 χ^2/NDF: 13900930.0/55


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:14.3/10
Left: -0.000+/-0.000 χ²/NDF: 17.2/21
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.3/26
Out: -0.000+/-0.000 χ²/NDF:25.8/28
All: -0.000+/-0.000 χ²/NDF: 50.1/55



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:1016140.8/10

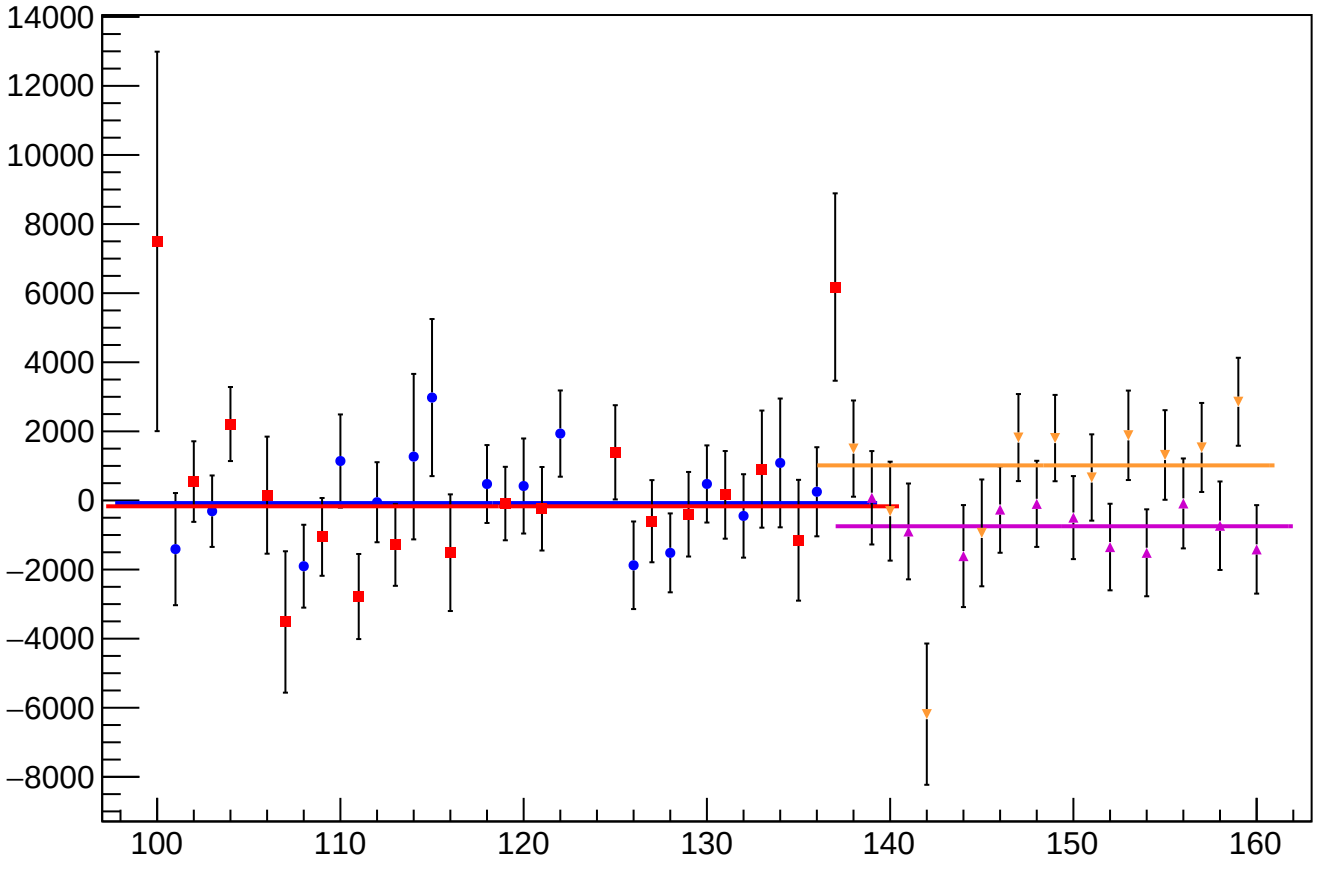
Left: 0.000+/-0.000 χ^2/NDF: 7743683.1/21

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2293291.5/26

Out: 0.000+/-0.000 χ^2/NDF:8078774.0/28

All: 0.000+/-0.000 χ^2/NDF: 12249753.8/55



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: -746.686+/-389.871 χ^2/NDF:2.3/10

Left: 92.472+/-282.142 χ^2/NDF: 30.7/21

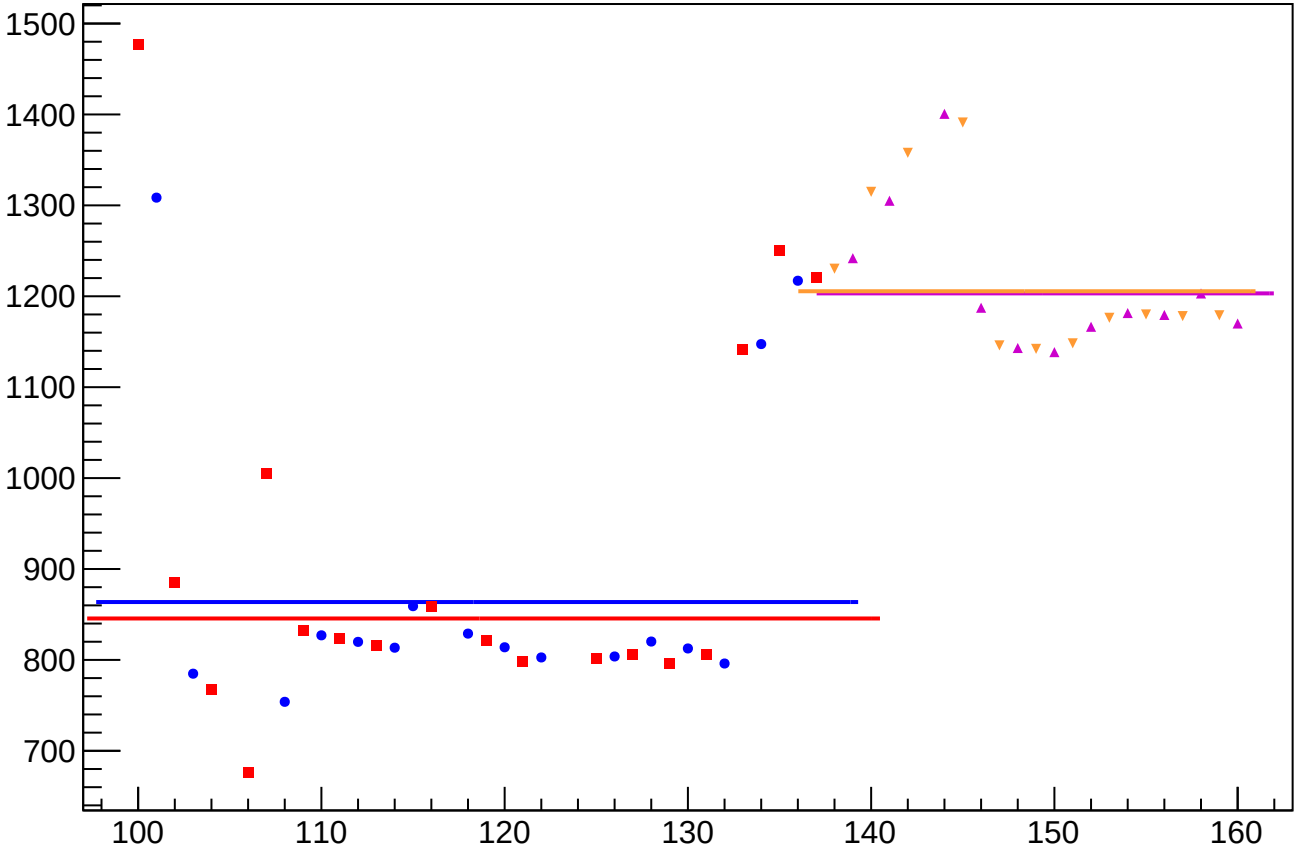
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -352.168+/-250.193 χ^2/NDF:17.4/26

Out: 283.857+/-252.875 χ^2/NDF:48.2/28

All: -37.547+/-177.854 χ^2/NDF: 68.8/55

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: 1203.181+/-0.276 χ^2/NDF:63274.8/10

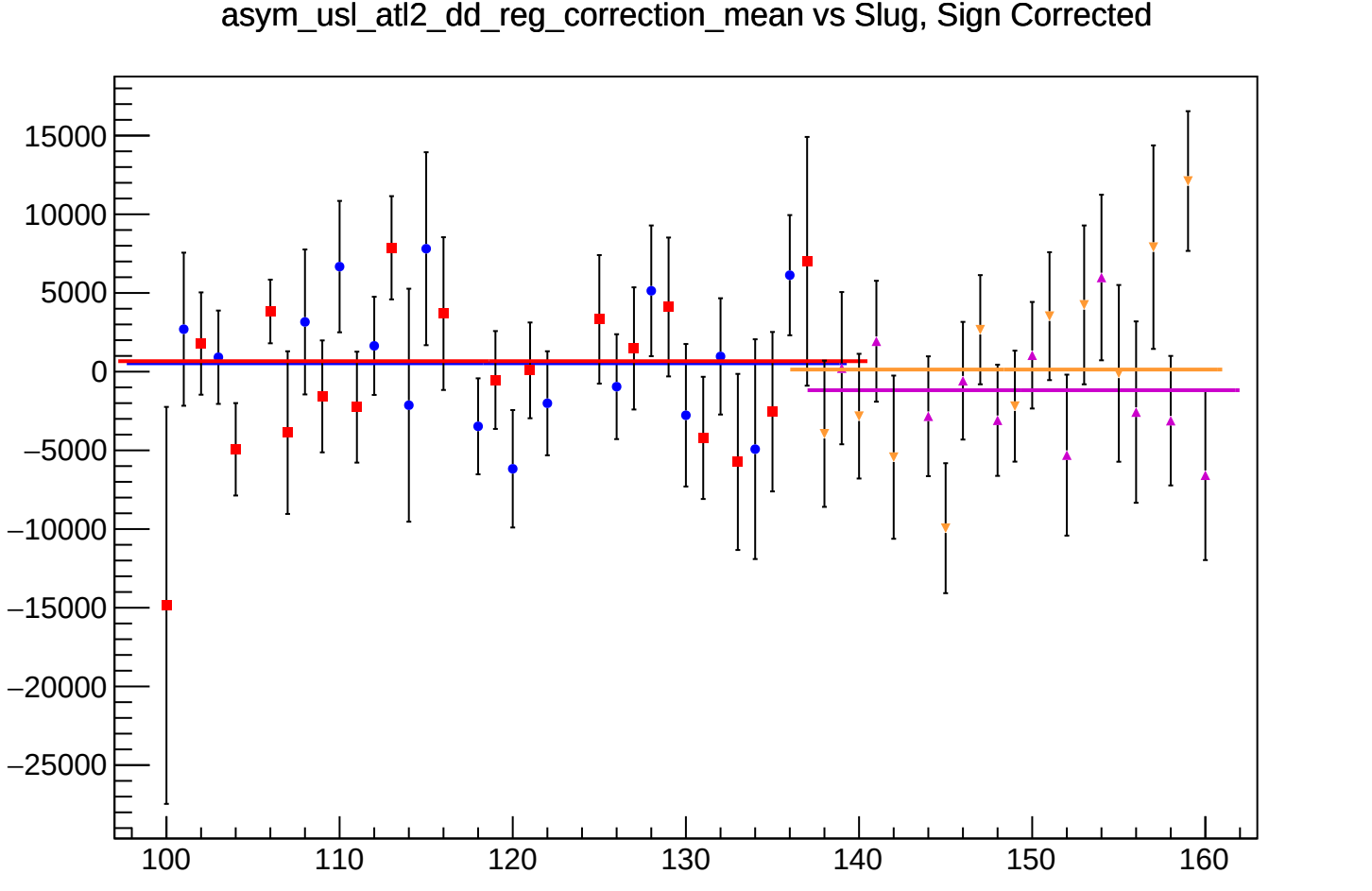
Left: 1204.299+/-0.200 χ^2/NDF: 132917.2/21

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1003.482+/-0.177 χ^2/NDF:1362902.8/26

Out: 981.188+/-0.177 χ^2/NDF:1343690.6/28

All: 992.368+/-0.125 χ^2/NDF: 2714510.3/55



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: -1178.825+/-1273.580 χ^2/NDF:5.5/10

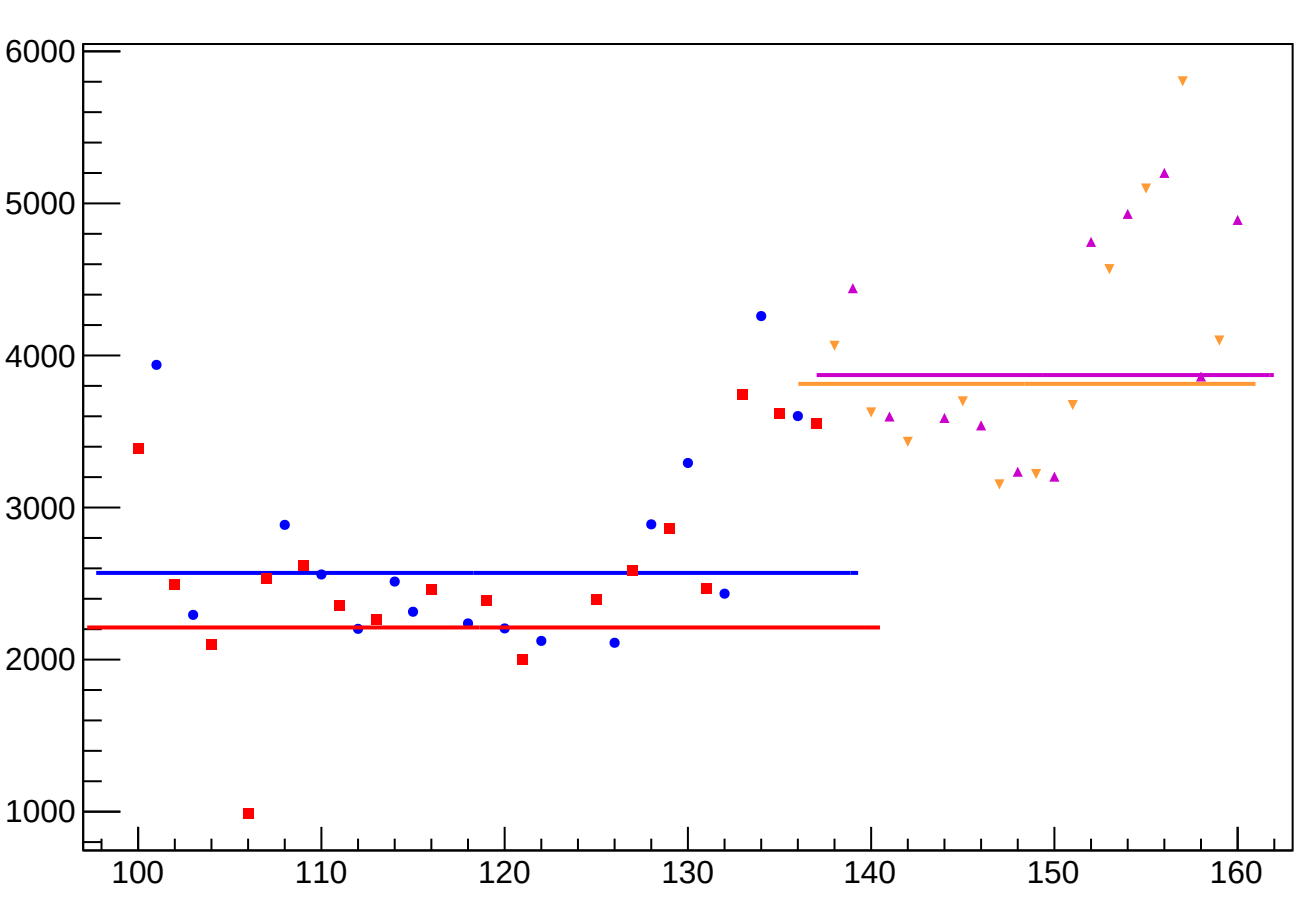
Left: -544.664+/-915.857 χ^2/NDF: 25.5/21

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -103.737+/-777.318 χ^2/NDF:21.3/26

Out: 505.912+/-723.148 χ^2/NDF:39.6/28

All: 223.069+/-529.458 χ^2/NDF: 61.2/55



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: 3871.158+/-0.901 χ^2/NDF:525241.5/10

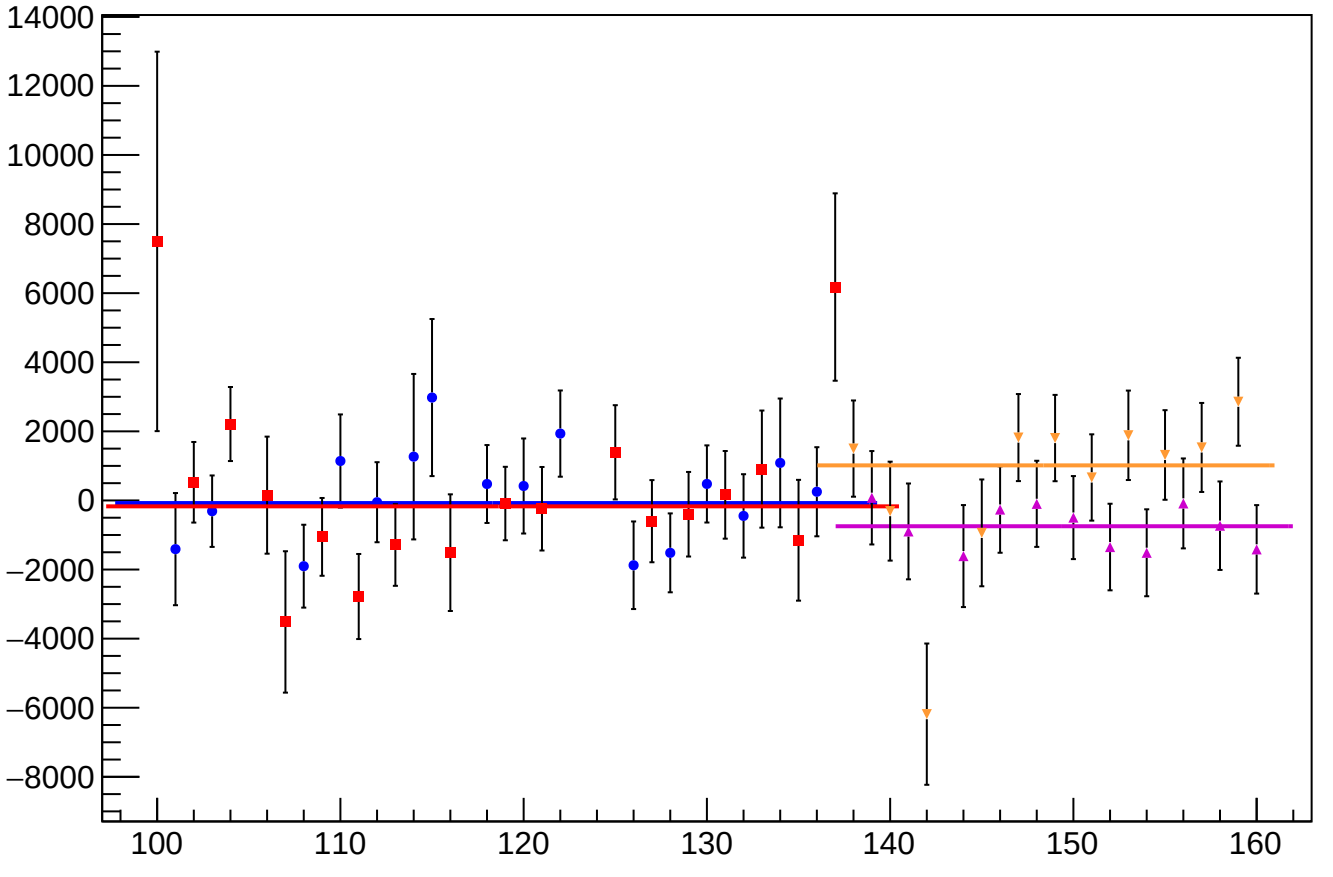
Left: 3843.247+/-0.648 χ^2/NDF: 1028375.3/21

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3054.787+/-0.550 χ^2/NDF:2497354.8/26

Out: 2693.563+/-0.511 χ^2/NDF:3830728.5/28

All: 2861.151+/-0.374 χ^2/NDF: 6559607.7/55



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: -746.684+/-389.871 χ^2/NDF:2.3/10

Left: 92.443+/-282.142 χ^2/NDF: 30.7/21

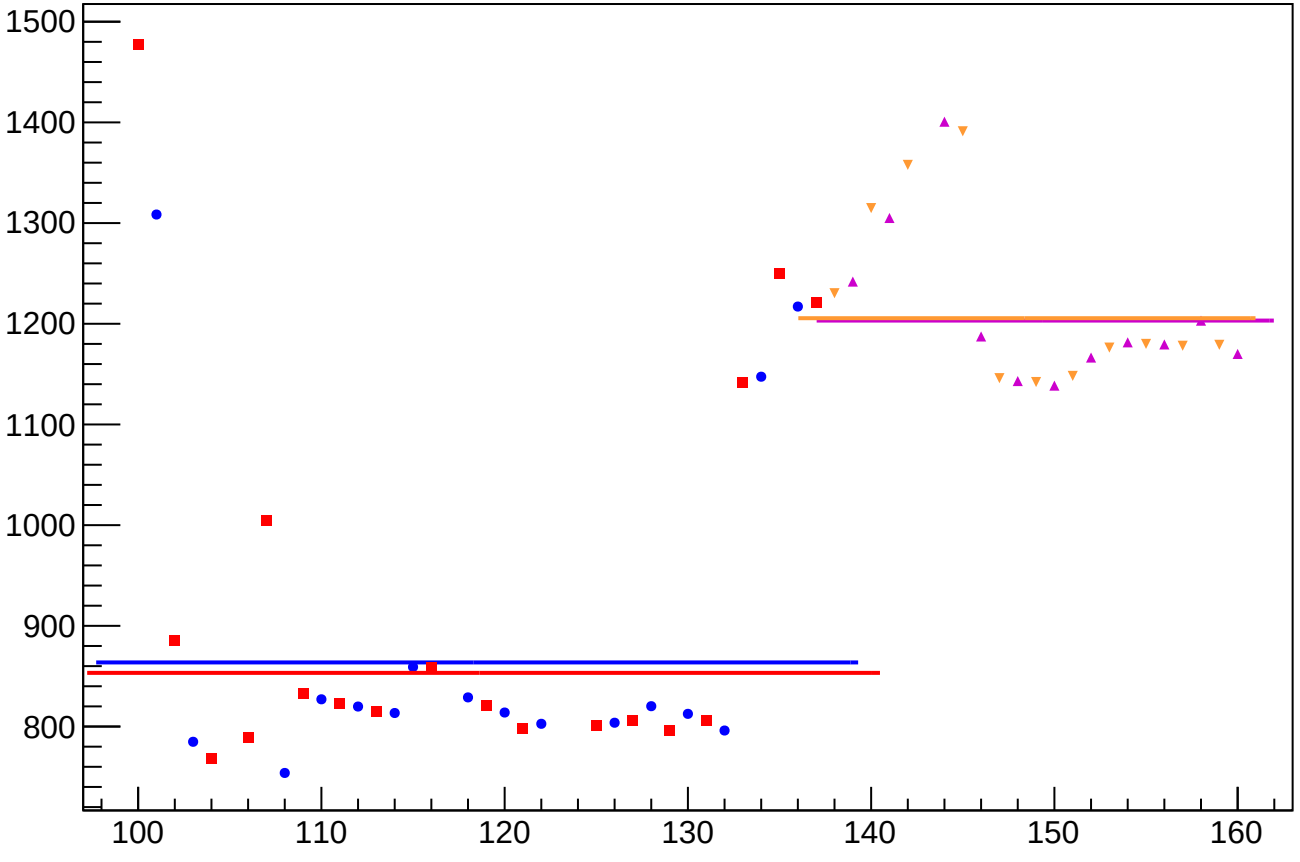
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -352.214+/-250.193 χ^2/NDF:17.4/26

Out: 282.830+/-252.877 χ^2/NDF:48.2/28

All: -38.080+/-177.854 χ^2/NDF: 68.8/55

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: 1203.181+/-0.276 χ^2/NDF:63274.8/10

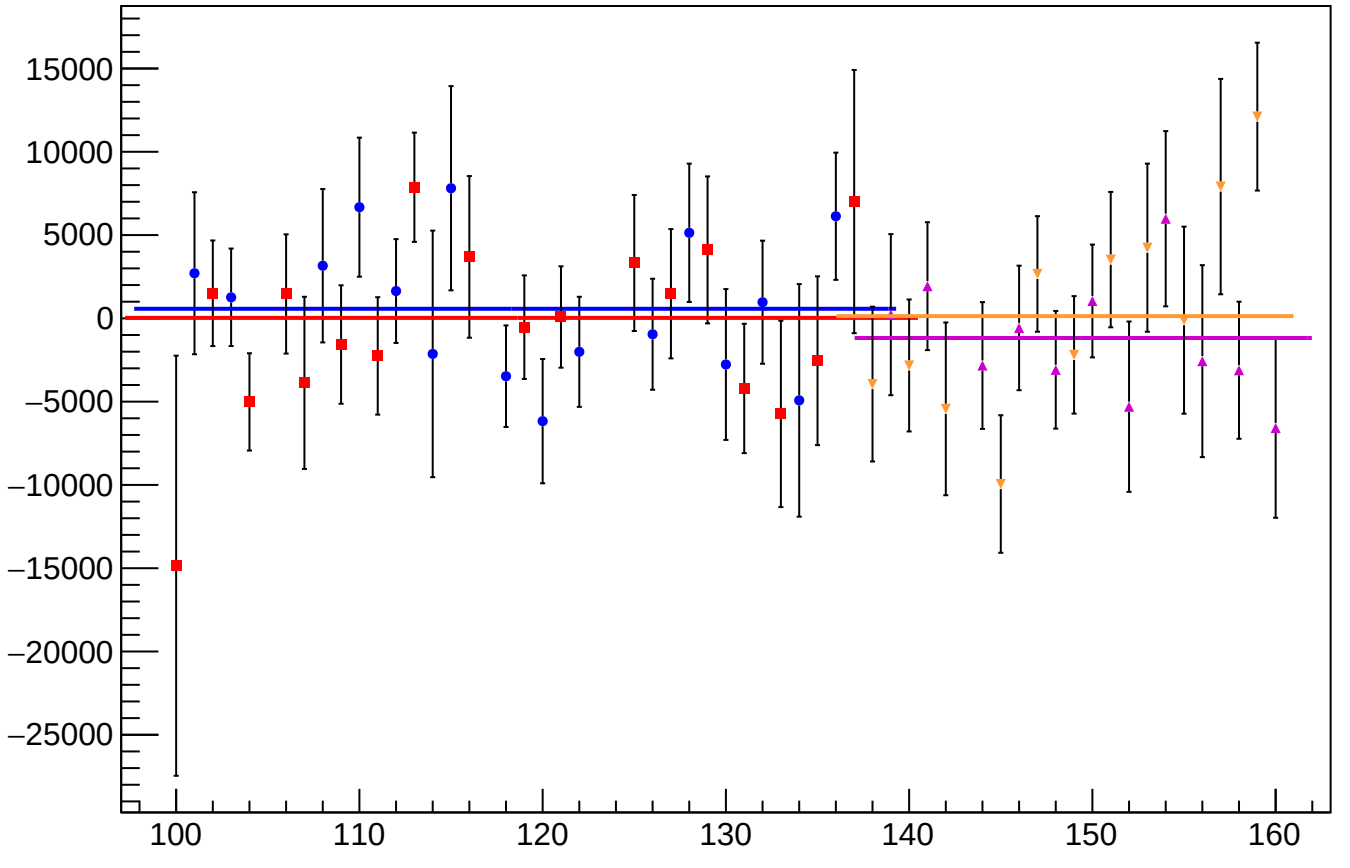
Left: 1204.299+/-0.200 χ^2/NDF: 132917.2/21

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1003.482+/-0.177 χ^2/NDF:1362902.8/26

Out: 987.199+/-0.178 χ^2/NDF:1265236.8/28

All: 995.401+/-0.126 χ^2/NDF: 2632343.7/55



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: -1178.874+/-1273.579 χ^2/NDF:5.5/10

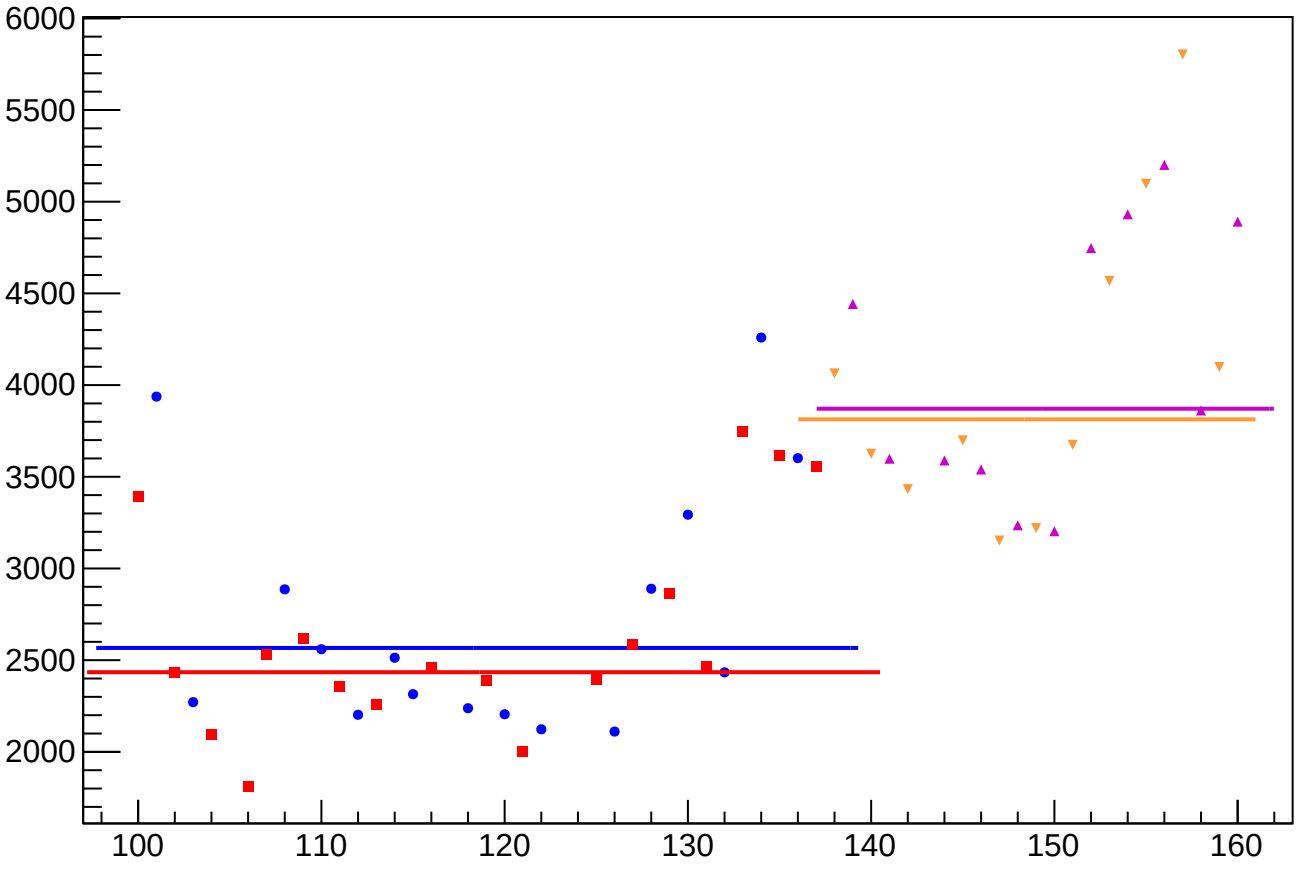
Left: -544.694+/-915.856 χ^2/NDF: 25.5/21

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -77.171+/-776.604 χ^2/NDF:21.4/26

Out: 63.402+/-755.556 χ^2/NDF:36.7/28

All: -4.954+/-541.547 χ^2/NDF: 58.1/55



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: 3871.154+/-0.901 χ^2/NDF:525244.3/10

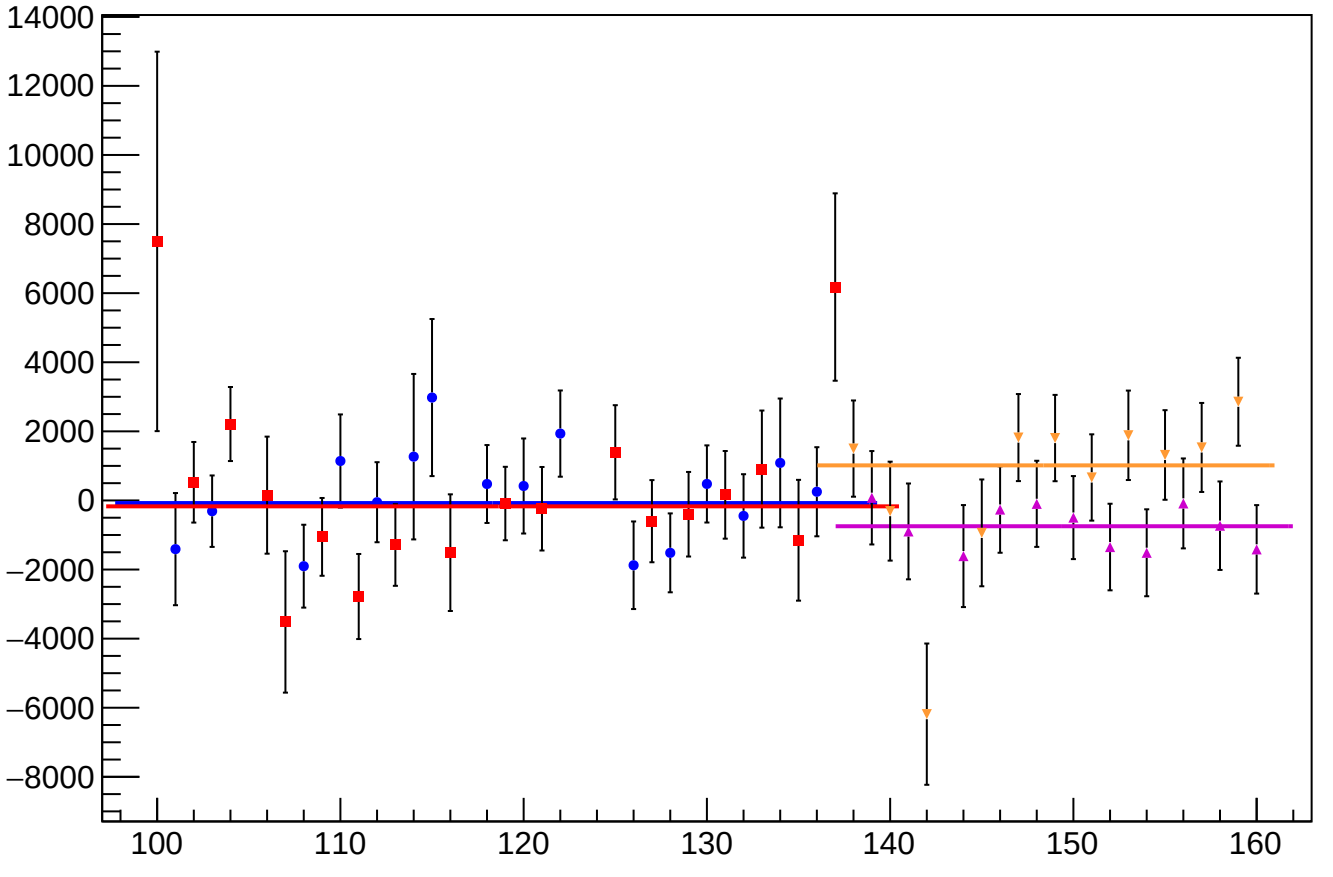
Left: 3843.243+/-0.648 χ^2/NDF: 1028374.9/21

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3051.759+/-0.549 χ^2/NDF:2509036.8/26

Out: 2887.583+/-0.534 χ^2/NDF:2404974.4/28

All: 2967.416+/-0.383 χ^2/NDF: 4959930.0/55



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: -746.684+/-389.871 χ^2/NDF:2.3/10

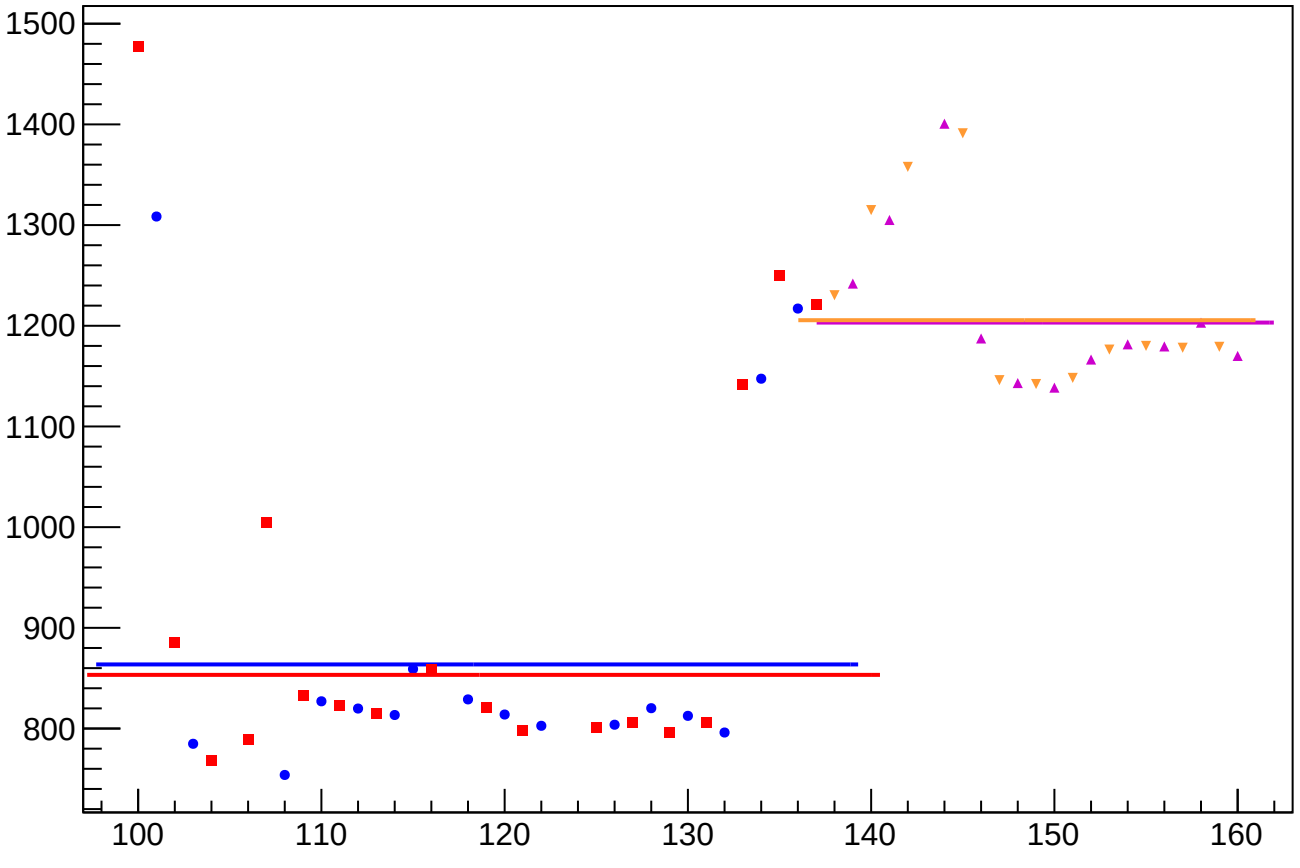
Left: 92.443+/-282.142 χ^2/NDF: 30.7/21

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -352.214+/-250.193 χ^2/NDF:17.4/26

Out: 282.830+/-252.877 χ^2/NDF:48.2/28

All: -38.080+/-177.854 χ^2/NDF: 68.8/55



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: 1203.181+/-0.276 χ^2/NDF:63274.8/10

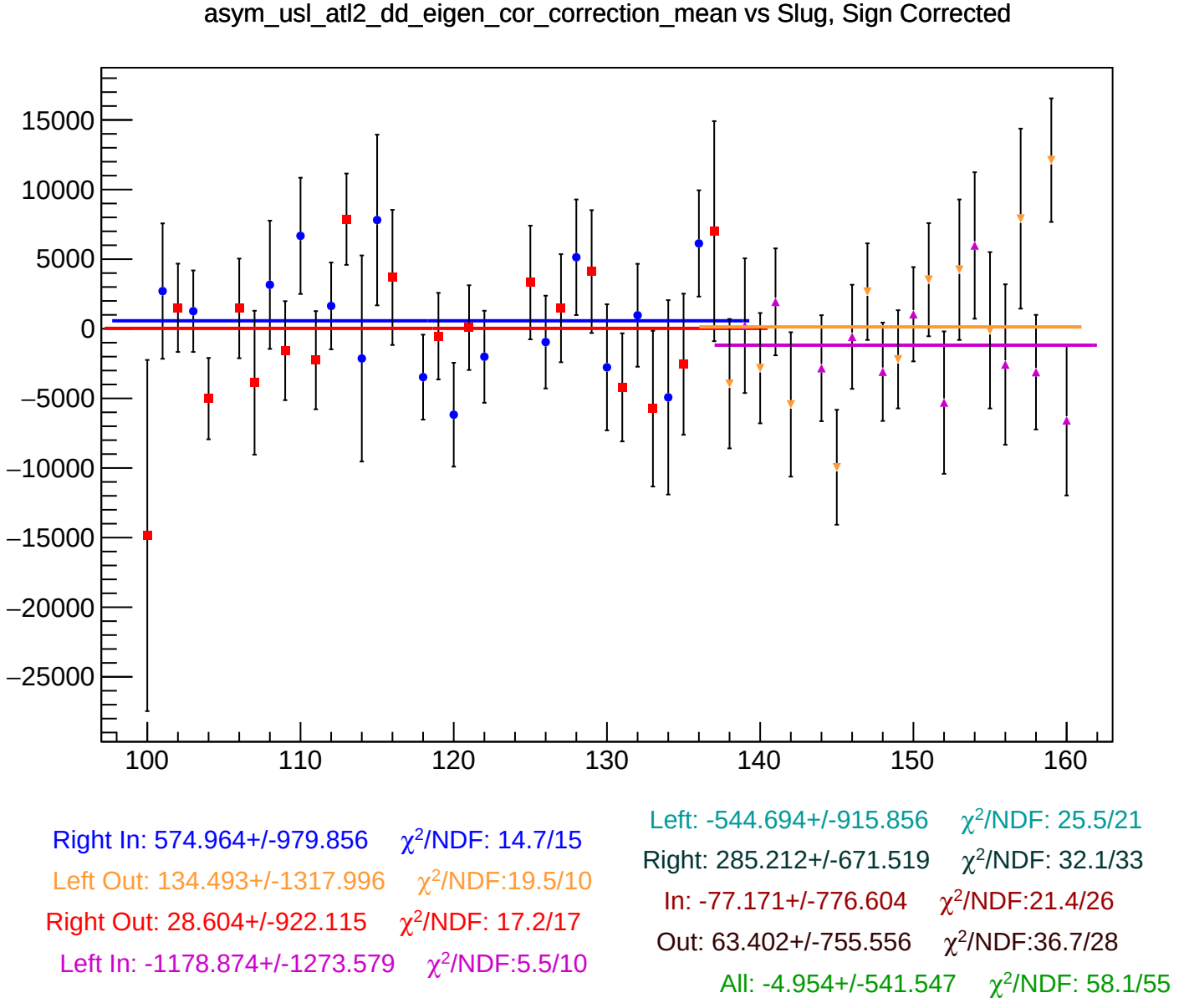
Left: 1204.299+/-0.200 χ^2/NDF: 132917.2/21

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

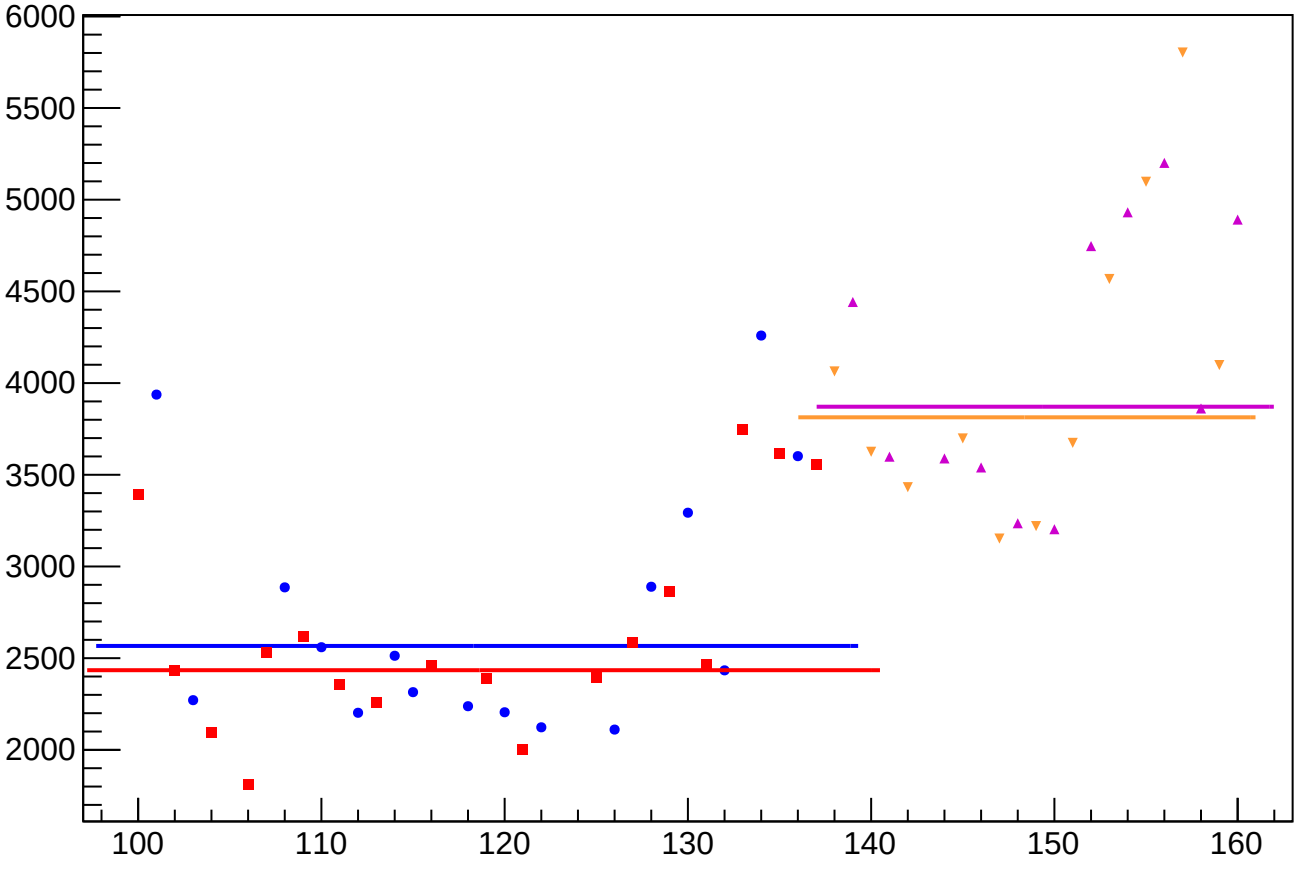
In: 1003.482+/-0.177 χ^2/NDF:1362902.8/26

Out: 987.199+/-0.178 χ^2/NDF:1265236.8/28

All: 995.401+/-0.126 χ^2/NDF: 2632343.7/55


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: -1178.874+/-1273.579 χ²/NDF:5.5/10
Left: -544.694+/-915.856 χ²/NDF: 25.5/21
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -77.171+/-776.604 χ²/NDF:21.4/26
Out: 63.402+/-755.556 χ²/NDF:36.7/28
All: -4.954+/-541.547 χ²/NDF: 58.1/55

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3813.353+/-0.932 χ^2/NDF:501141.4/10

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

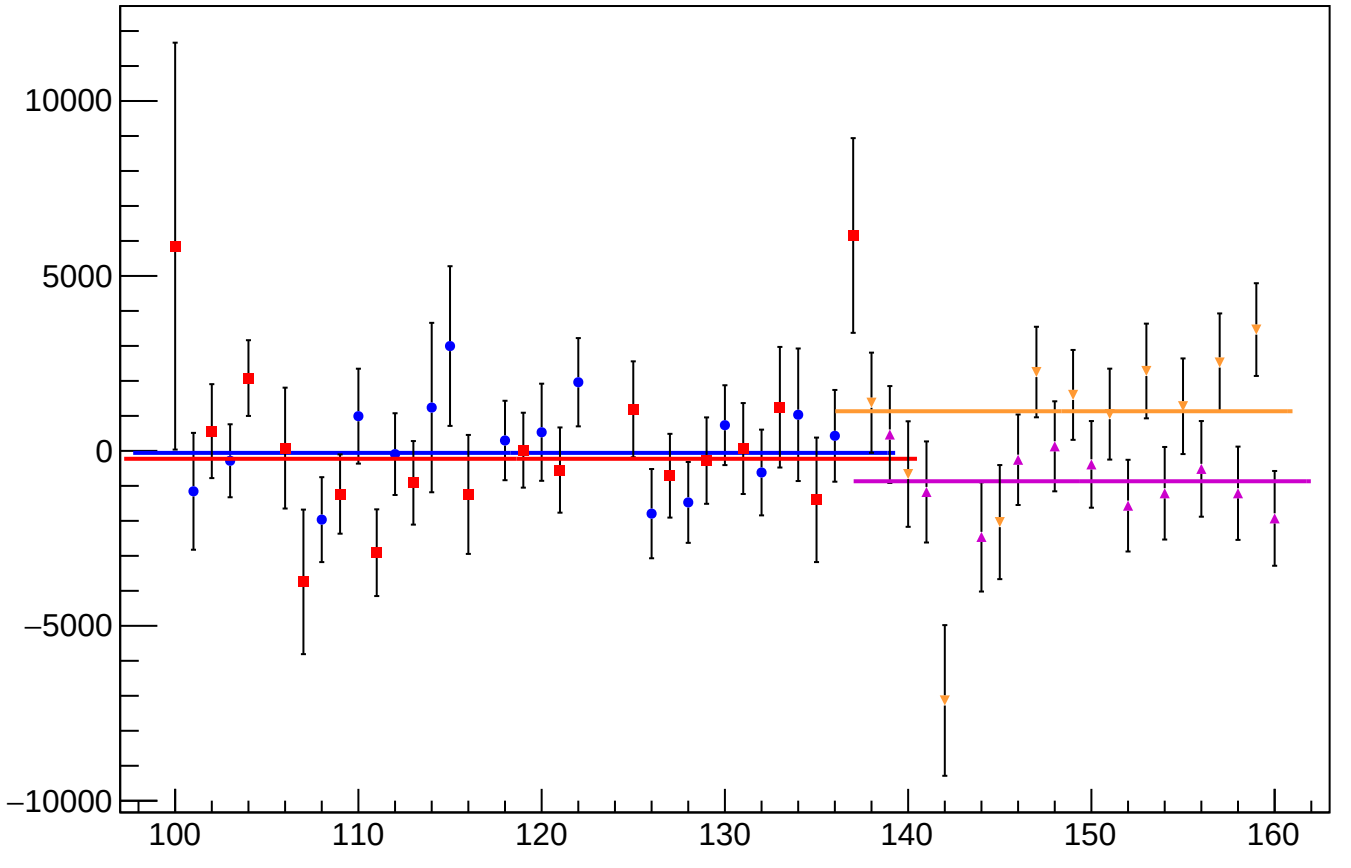
Left: 3843.243+/-0.648 χ^2/NDF: 1028374.9/21

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3051.759+/-0.549 χ^2/NDF:2509036.8/26

Out: 2887.583+/-0.534 χ^2/NDF:2404974.4/28

All: 2967.416+/-0.383 χ^2/NDF: 4959930.0/55



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: -868.202+/-406.187 χ^2/NDF:4.1/10

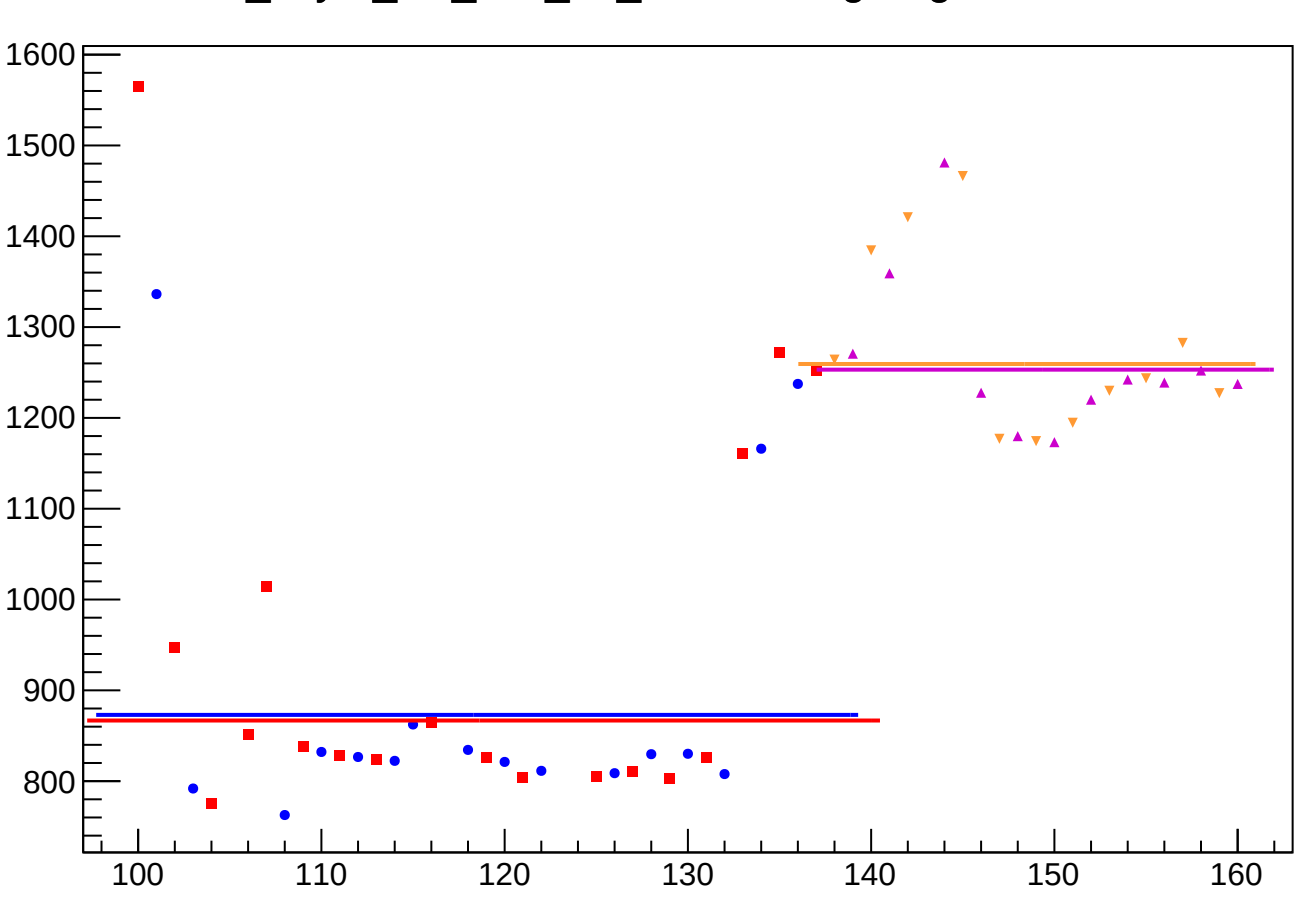
Left: 81.353+/-294.437 χ^2/NDF: 41.3/21

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -379.769+/-256.167 χ^2/NDF:19.5/26

Out: 277.692+/-260.245 χ^2/NDF:54.9/28

All: -56.231+/-182.562 χ^2/NDF: 77.7/55



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: 1253.123+/-0.287 χ^2/NDF:71252.8/10

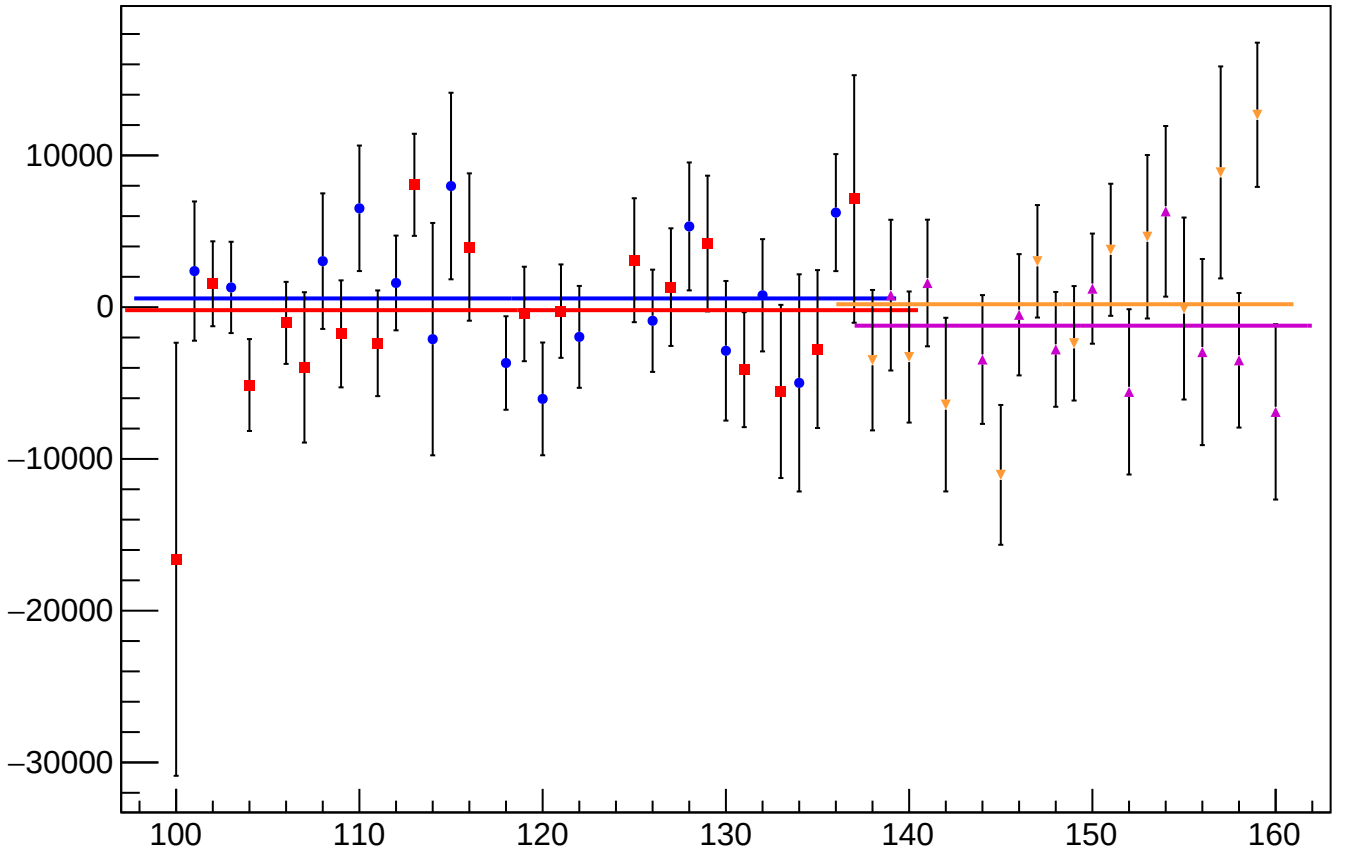
Left: 1256.084+/-0.208 χ^2/NDF: 153501.1/21

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1024.171+/-0.181 χ^2/NDF:1543414.2/26

Out: 1012.137+/-0.184 χ^2/NDF:1434984.3/28

All: 1018.245+/-0.129 χ^2/NDF: 2980572.1/55



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: -1220.215+/-1367.499 χ^2/NDF:5.3/10

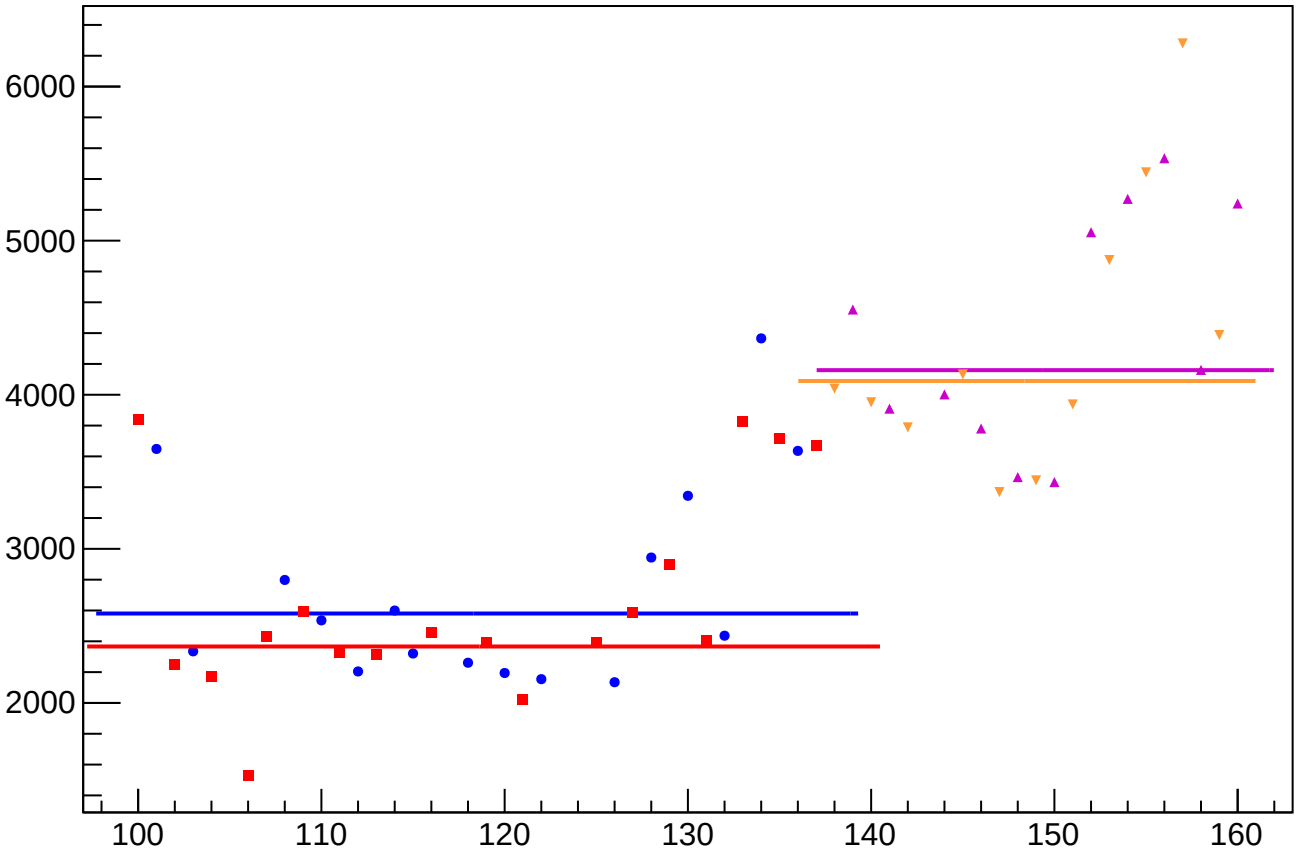
Left: -536.258+/-982.597 χ^2/NDF: 25.3/21

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -37.967+/-799.190 χ^2/NDF:21.1/26

Out: -85.926+/-755.530 χ^2/NDF:36.7/28

All: -63.292+/-549.027 χ^2/NDF: 57.8/55



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: 4159.612+/-0.967 χ^2/NDF:490652.9/10

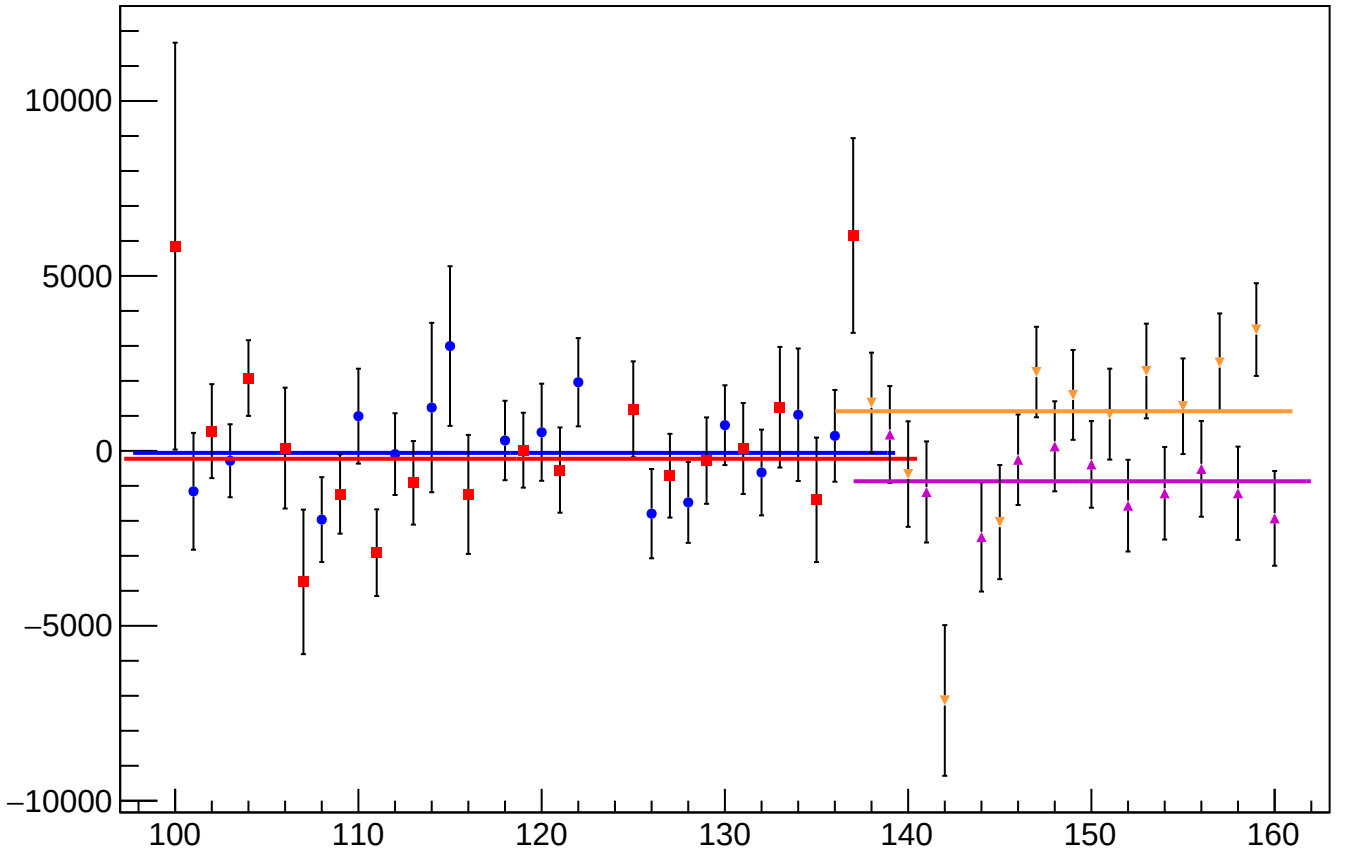
Left: 4125.670+/-0.695 χ^2/NDF: 986824.1/21

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3119.755+/-0.565 χ^2/NDF:2864099.7/26

Out: 2859.163+/-0.534 χ^2/NDF:3229330.0/28

All: 2982.147+/-0.388 χ^2/NDF: 6205718.6/55



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: -868.202+/-406.187 χ^2/NDF:4.1/10

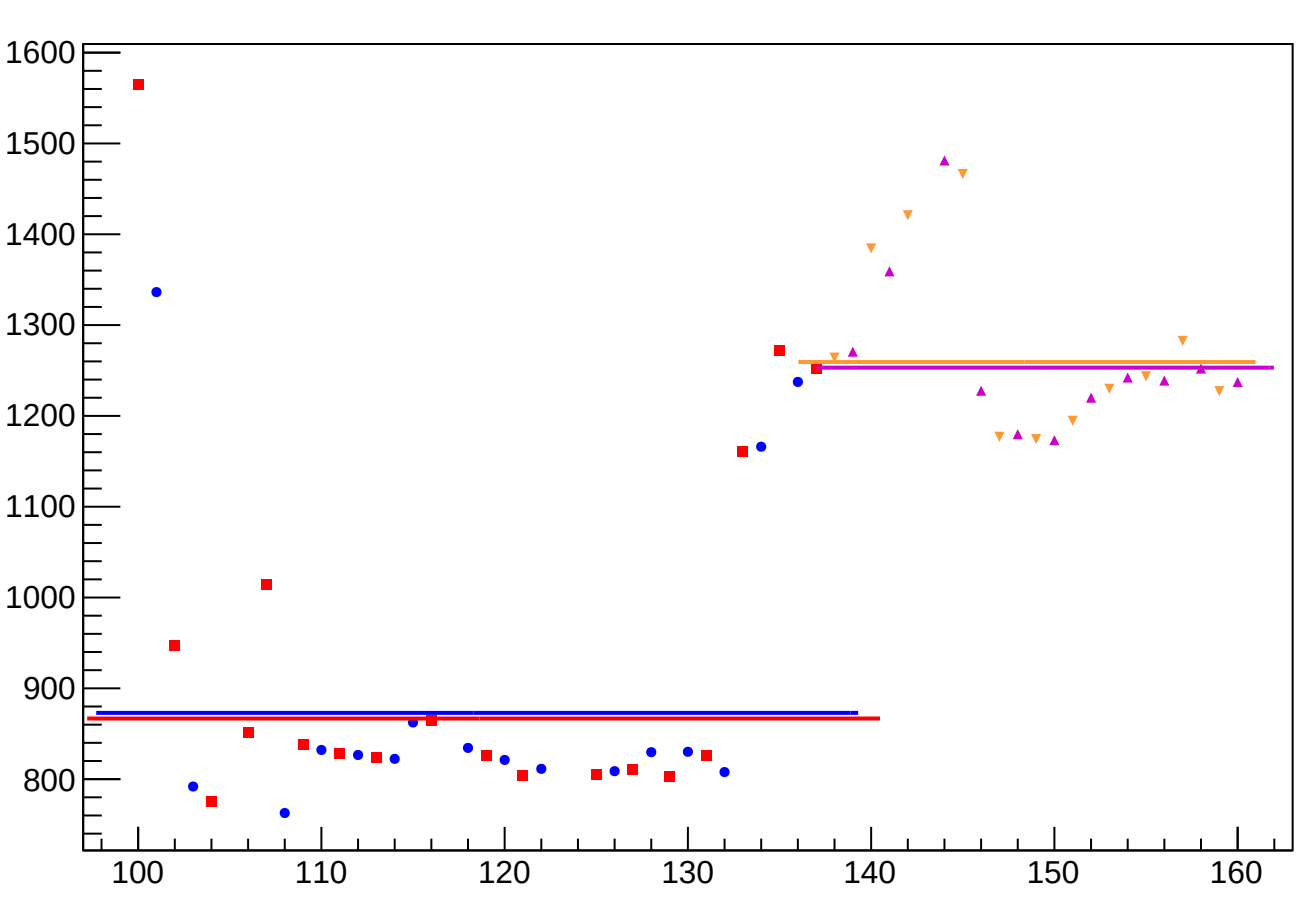
Left: 81.354+/-294.438 χ^2/NDF: 41.3/21

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -379.770+/-256.167 χ^2/NDF:19.5/26

Out: 277.689+/-260.245 χ^2/NDF:54.9/28

All: -56.233+/-182.562 χ^2/NDF: 77.7/55



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: 1253.124+/-0.287 χ^2/NDF:71253.5/10

Left: 1256.086+/-0.208 χ^2/NDF: 153503.2/21

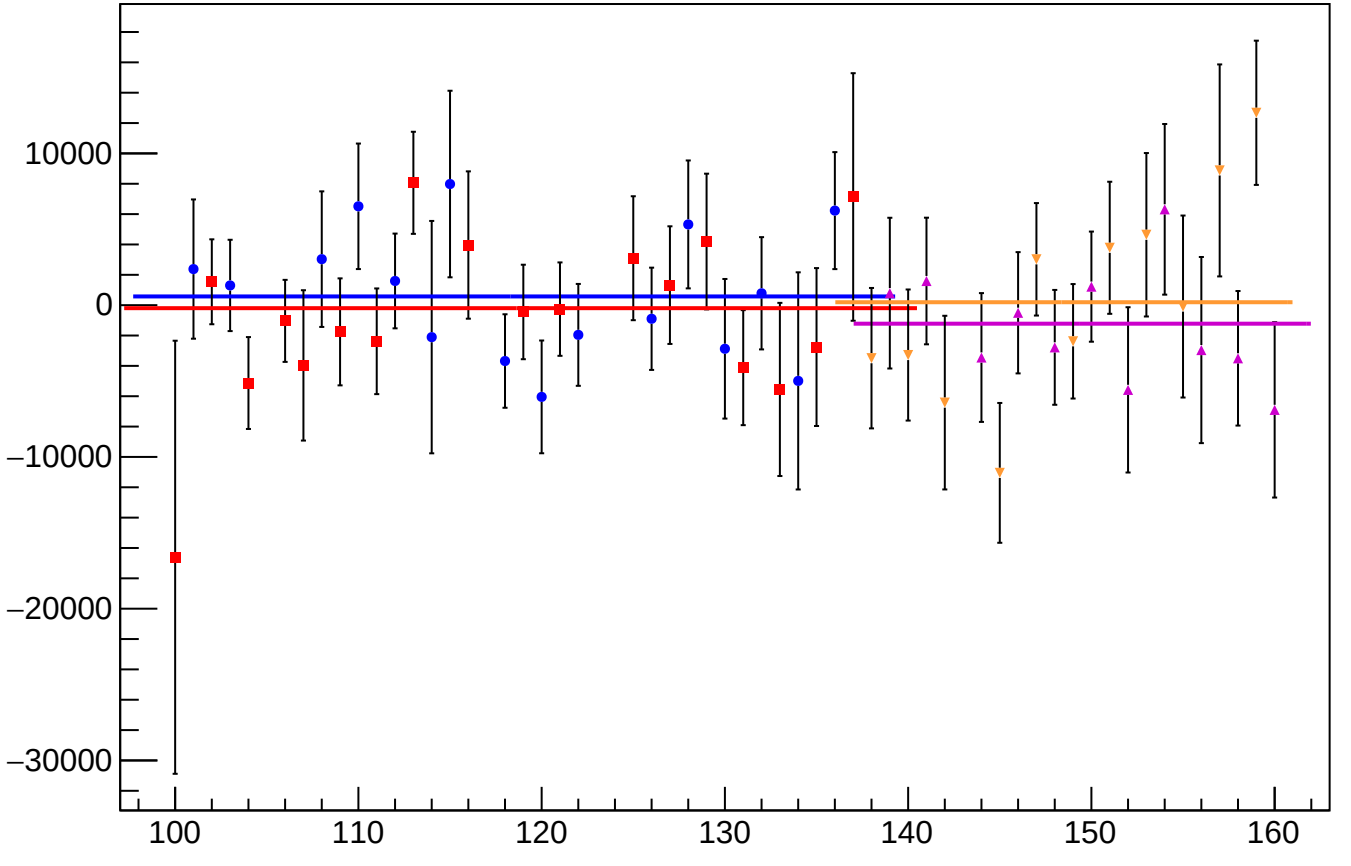
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1024.172+/-0.181 χ^2/NDF:1543420.3/26

Out: 1012.137+/-0.184 χ^2/NDF:1434991.7/28

All: 1018.246+/-0.129 χ^2/NDF: 2980585.5/55

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 193.780+/-1412.815 χ^2/NDF:19.4/10

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1220.216+/-1367.500 χ^2/NDF:5.3/10

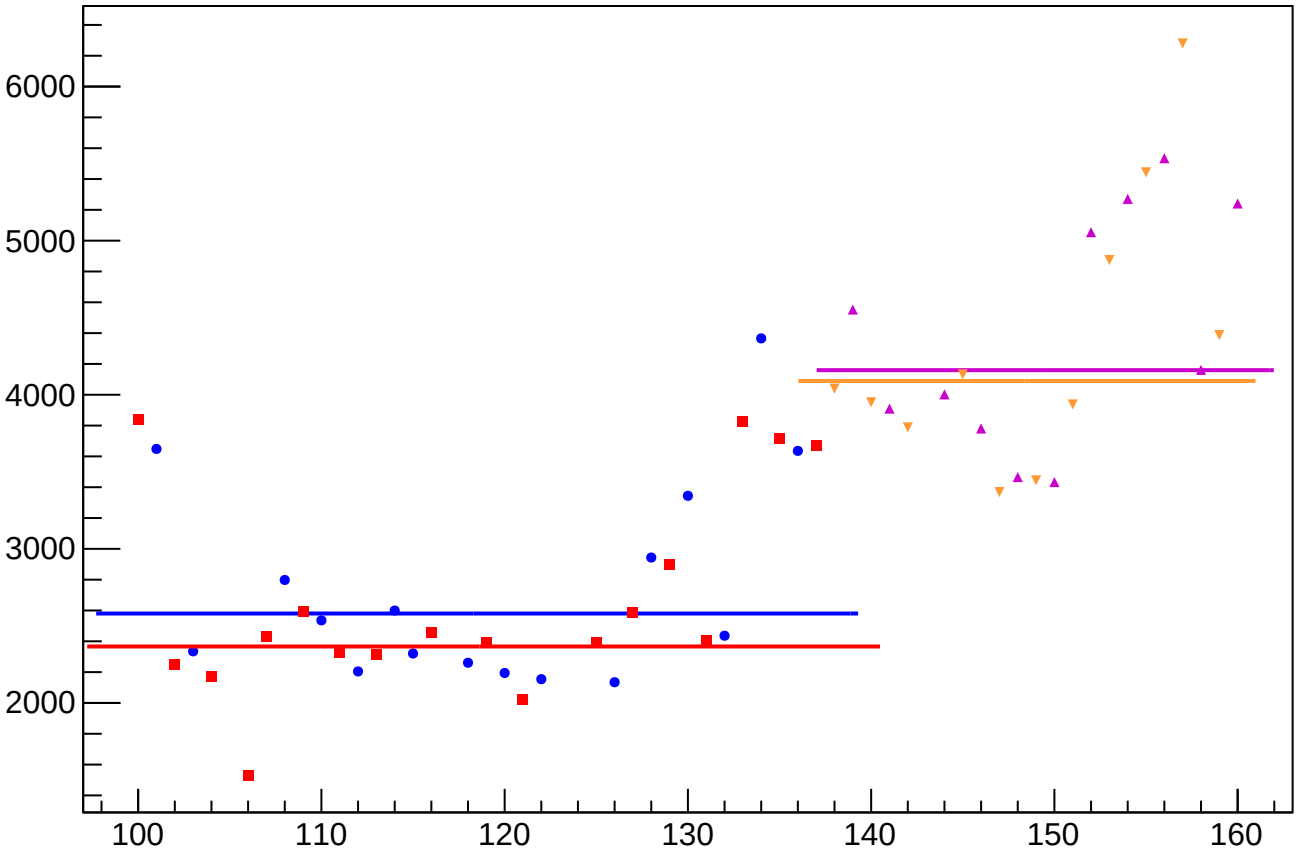
Left: -536.257+/-982.598 χ^2/NDF: 25.3/21

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -37.966+/-799.189 χ^2/NDF:21.1/26

Out: -85.927+/-755.529 χ^2/NDF:36.7/28

All: -63.293+/-549.026 χ^2/NDF: 57.8/55



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: 4159.617+/-0.967 χ^2/NDF:490656.2/10

Left: 4125.675+/-0.695 χ^2/NDF: 986830.3/21

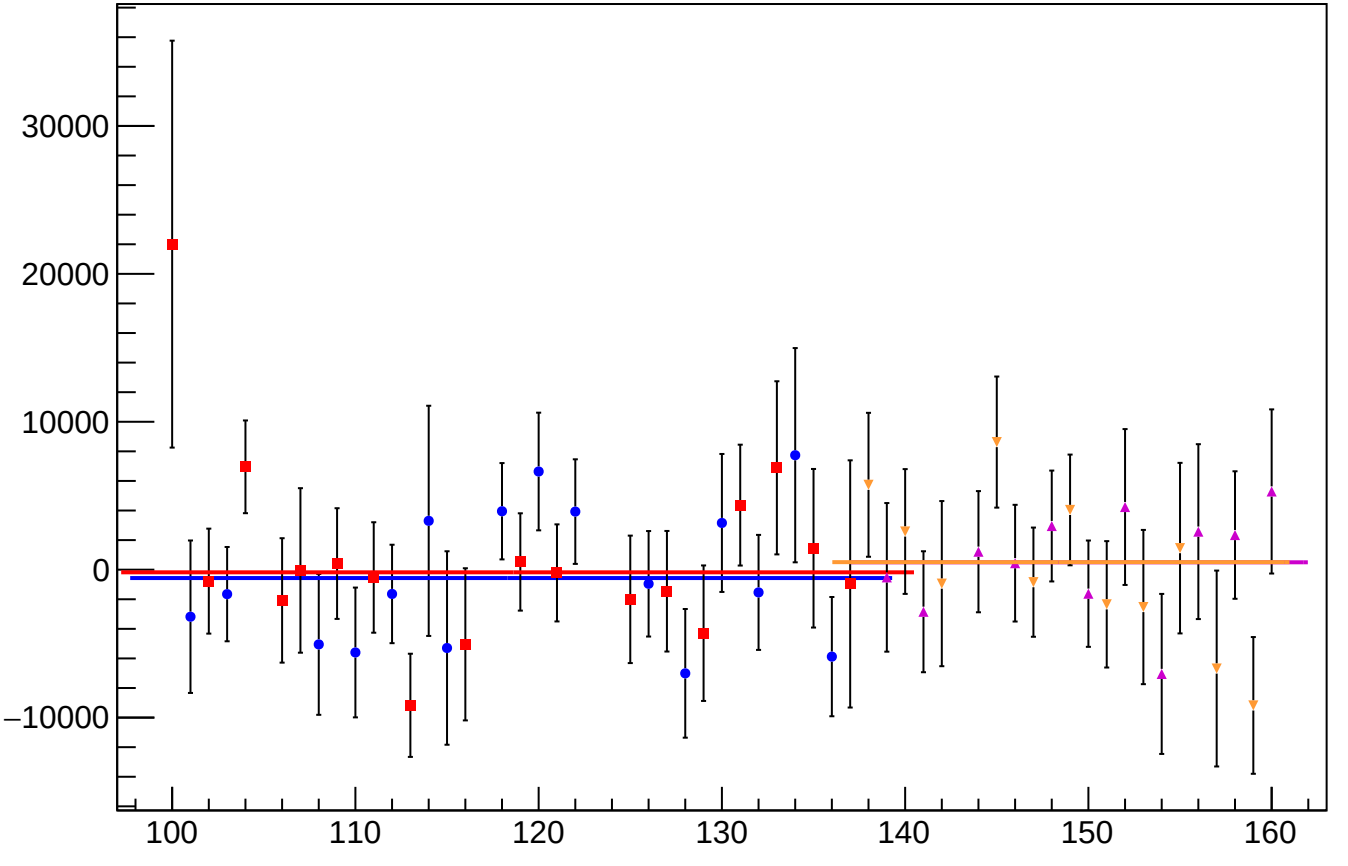
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3119.748+/-0.565 χ^2/NDF:2864140.7/26

Out: 2859.156+/-0.534 χ^2/NDF:3229366.0/28

All: 2982.140+/-0.388 χ^2/NDF: 6205795.3/55

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: 499.157+/-1339.955 χ^2/NDF:5.0/10

Left: 504.056+/-964.746 χ^2/NDF: 17.2/21

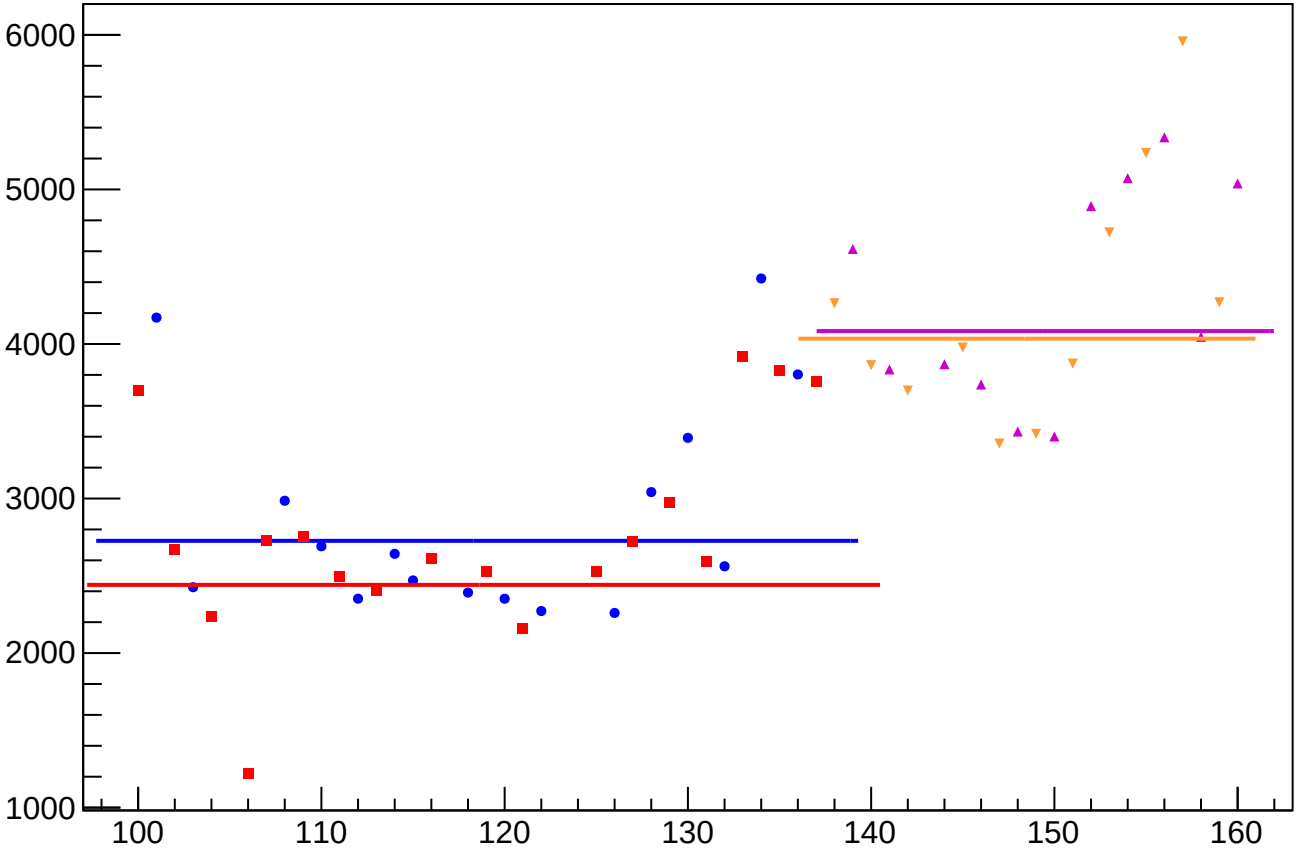
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -165.478+/-821.730 χ^2/NDF:21.6/26

Out: 52.401+/-805.538 χ^2/NDF:31.9/28

All: -54.370+/-575.241 χ^2/NDF: 53.6/55

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: 4083.703+/-0.947 χ^2/NDF:446157.1/10

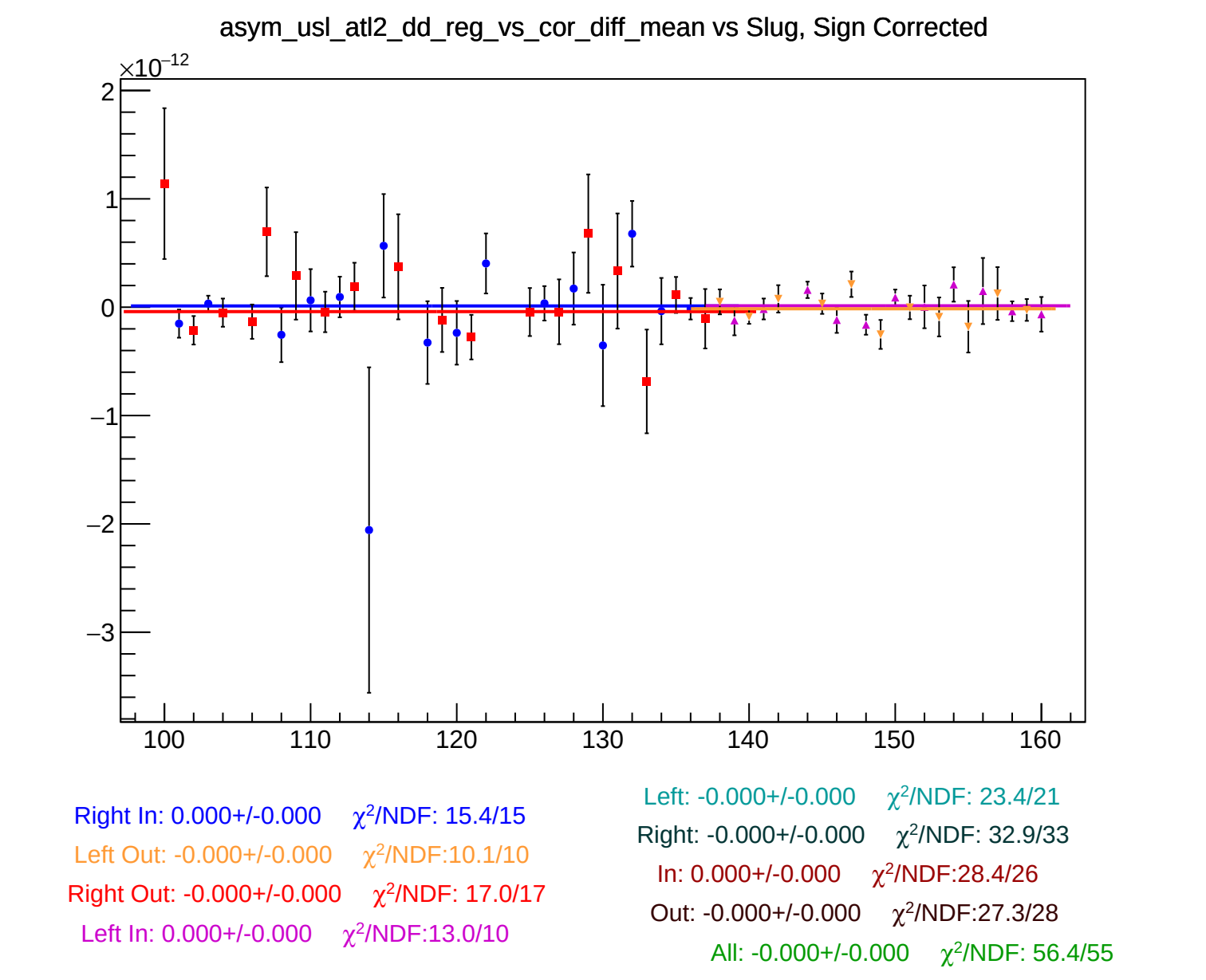
Left: 4059.945+/-0.682 χ^2/NDF: 882940.6/21

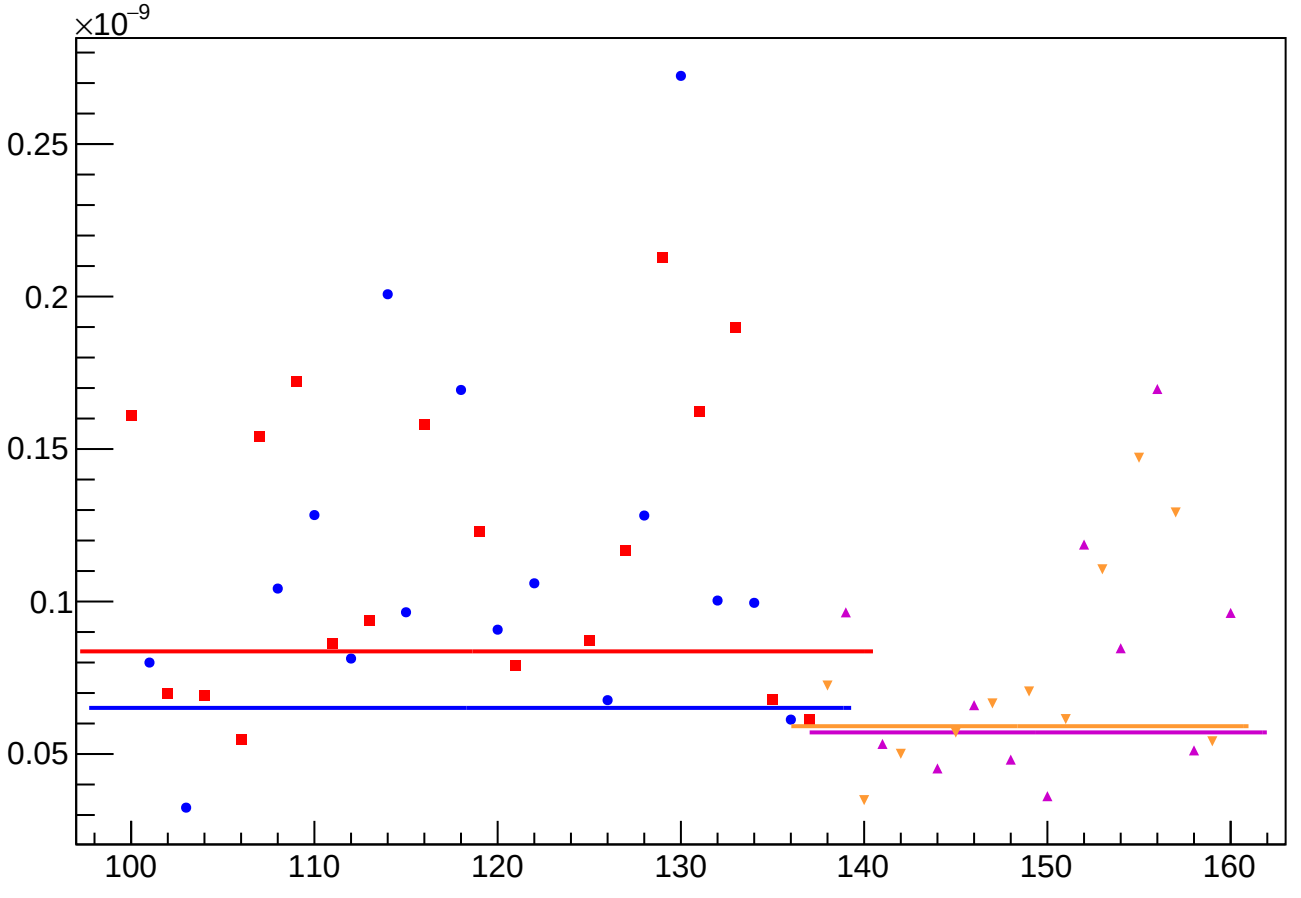
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3236.746+/-0.581 χ^2/NDF:2349918.6/26

Out: 2943.531+/-0.552 χ^2/NDF:3125037.5/28

All: 3082.598+/-0.400 χ^2/NDF: 5608829.4/55


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:13.0/10
Left: -0.000+/-0.000 χ²/NDF: 23.4/21
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:28.4/26
Out: -0.000+/-0.000 χ²/NDF:27.3/28
All: -0.000+/-0.000 χ²/NDF: 56.4/55



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:1064967.4/10

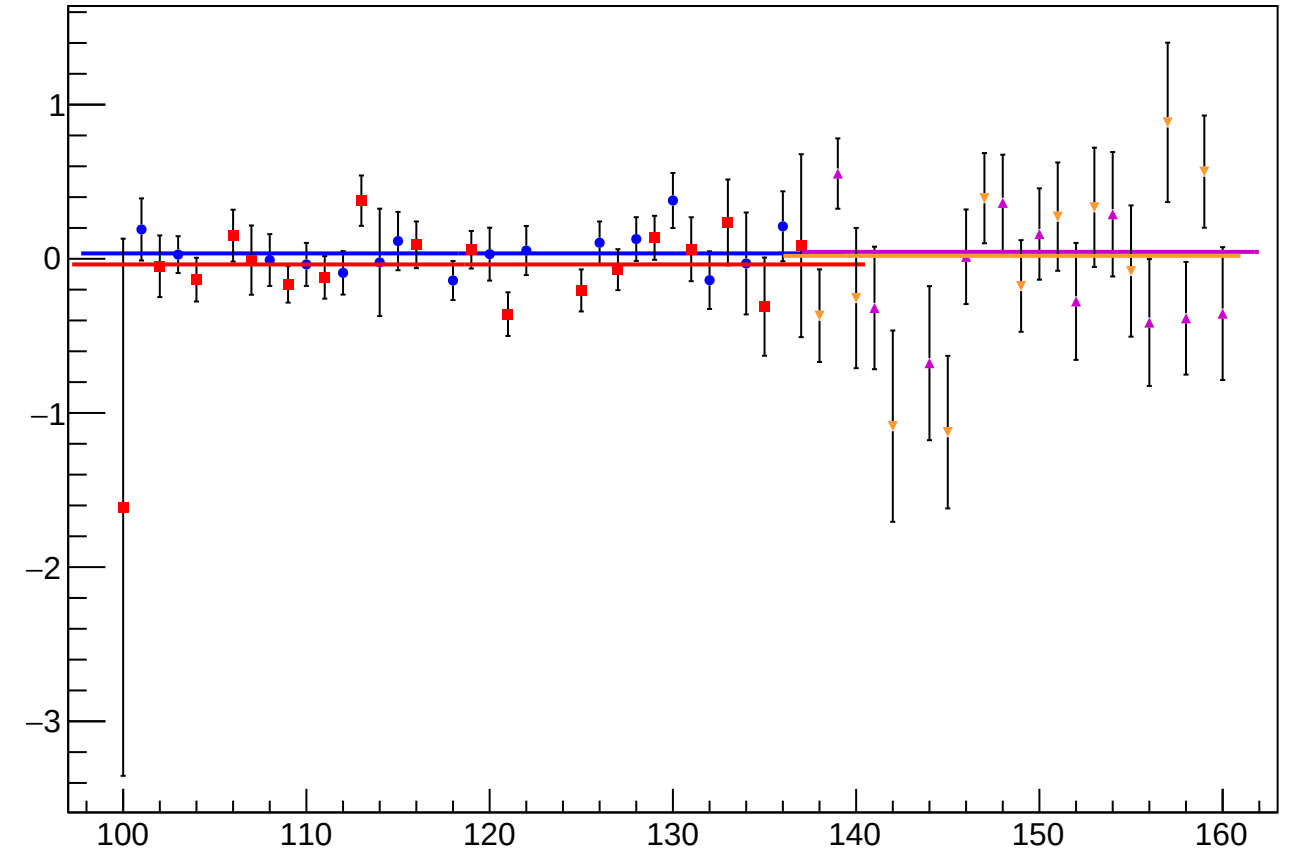
Left: 0.000+/-0.000 χ^2/NDF: 2000936.9/21

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2330656.9/26

Out: 0.000+/-0.000 χ^2/NDF:1923348.6/28

All: 0.000+/-0.000 χ^2/NDF: 4307455.6/55



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: 0.045+/-0.103 χ^2/NDF:13.7/10

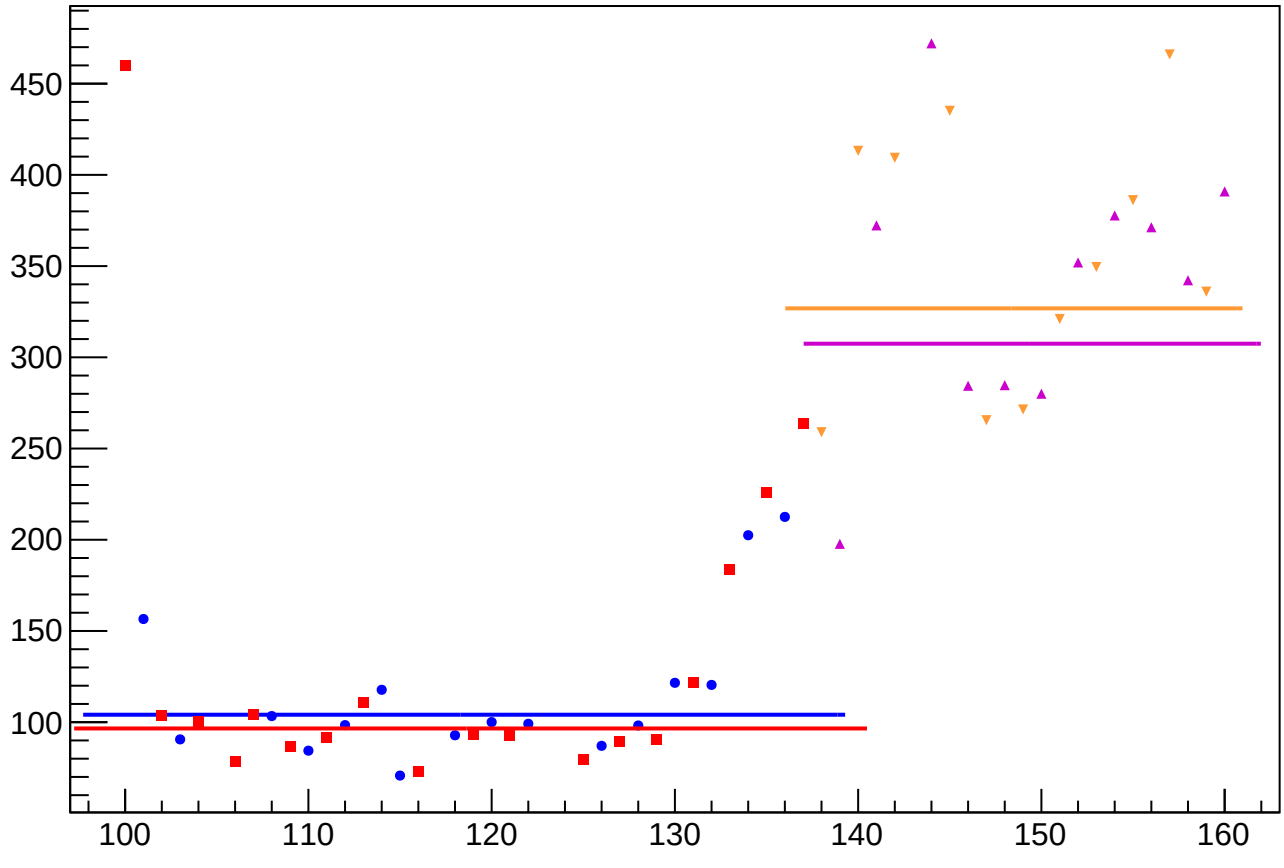
Left: 0.033+/-0.076 χ^2/NDF: 32.6/21

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.002+/-0.026 χ^2/NDF: 66.2/55



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: 307.461+/-0.073 χ^2/NDF:1001380.5/10

Left: 316.211+/-0.054 χ^2/NDF: 1688395.9/21

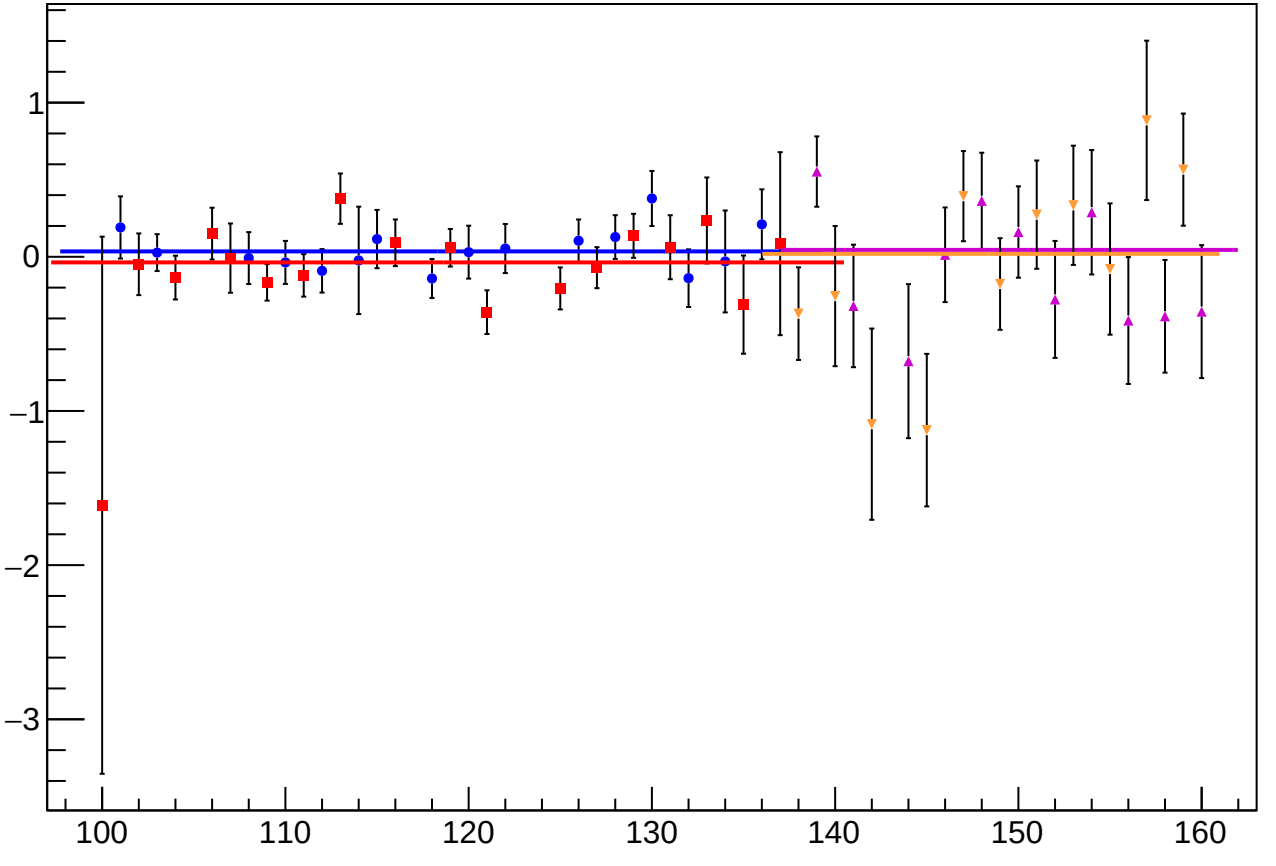
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 131.810+/-0.027 χ^2/NDF:8685831.5/26

Out: 120.658+/-0.026 χ^2/NDF:8942023.4/28

All: 126.037+/-0.019 χ^2/NDF: 17716393.2/55

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: 0.045+/-0.103 χ^2/NDF:13.7/10

Left: 0.033+/-0.076 χ^2/NDF: 32.6/21

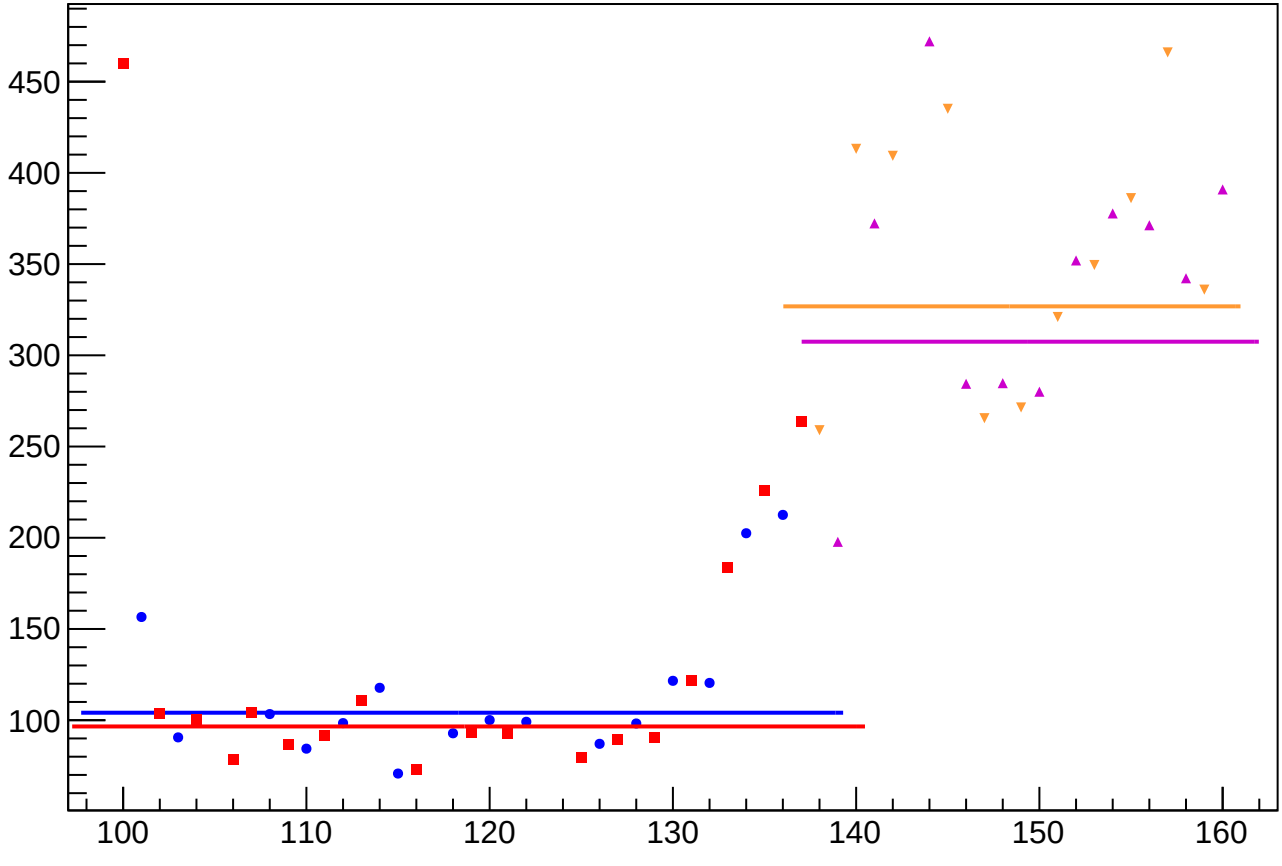
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.002+/-0.026 χ^2/NDF: 66.2/55

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: 307.461+/-0.073 χ^2/NDF:1001380.5/10

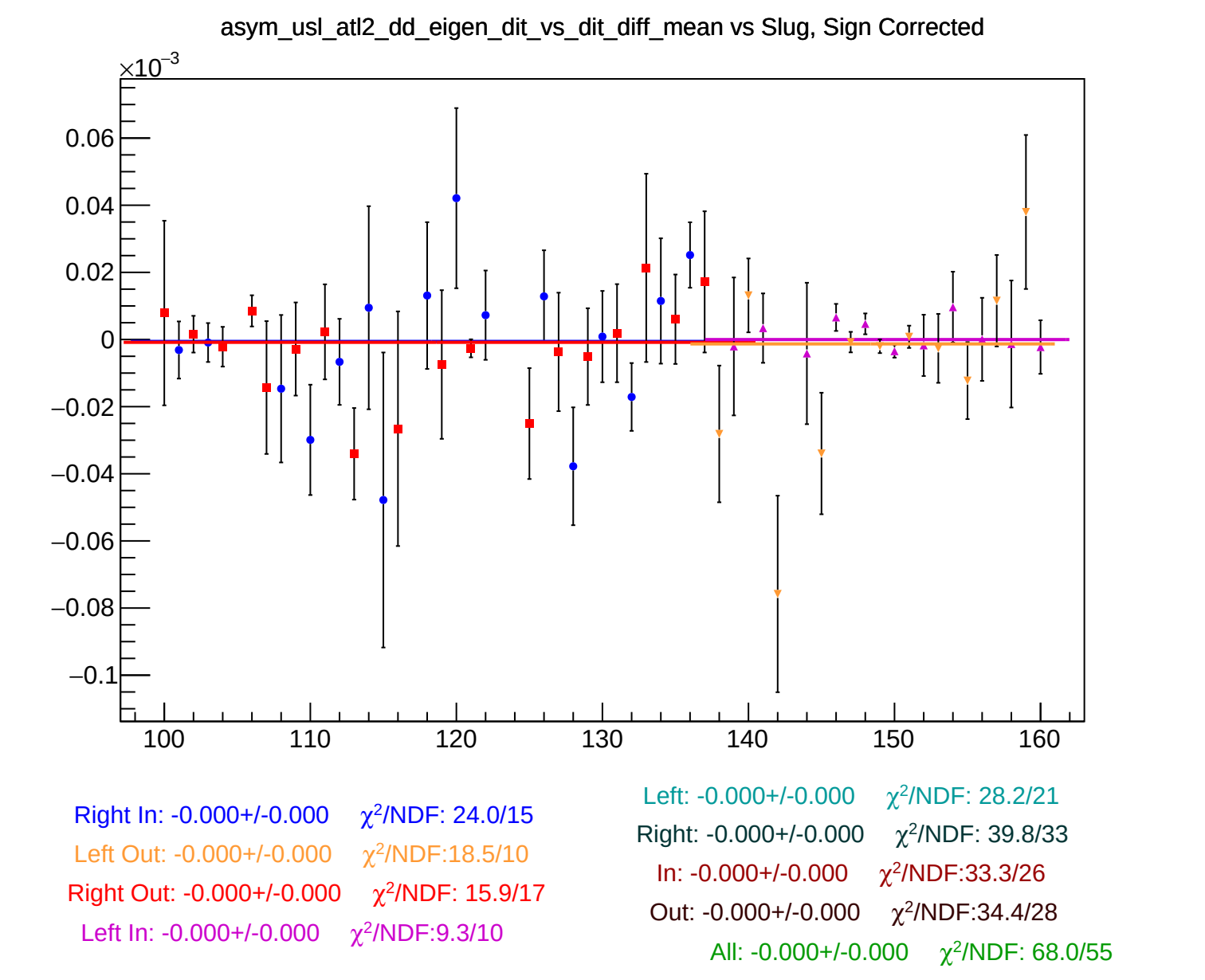
Left: 316.211+/-0.054 χ^2/NDF: 1688395.9/21

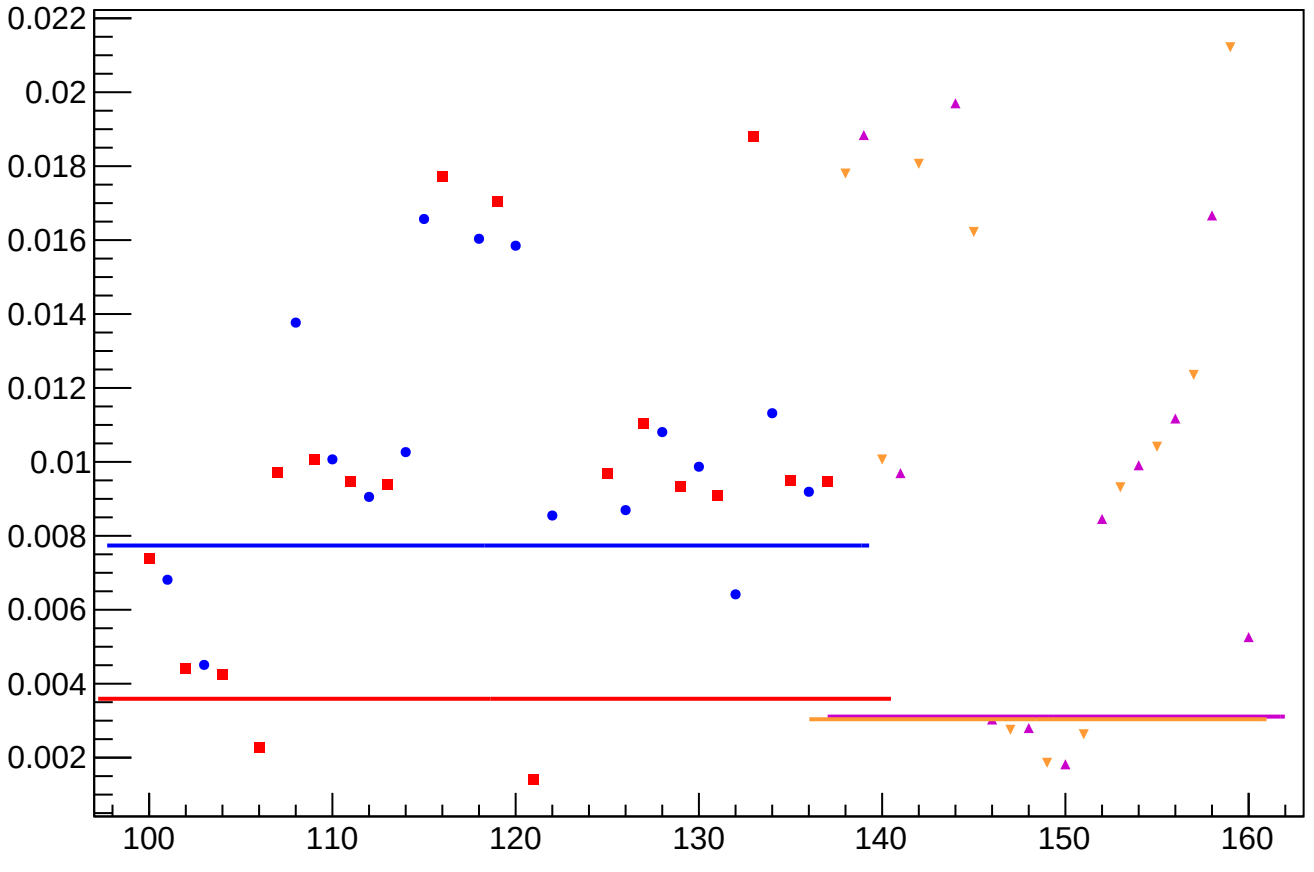
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 131.810+/-0.027 χ^2/NDF:8685831.5/26

Out: 120.658+/-0.026 χ^2/NDF:8942023.4/28

All: 126.037+/-0.019 χ^2/NDF: 17716393.2/55


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.3/10
Left: -0.000+/-0.000 χ²/NDF: 28.2/21
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:33.3/26
Out: -0.000+/-0.000 χ²/NDF:34.4/28
All: -0.000+/-0.000 χ²/NDF: 68.0/55



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:7681712.3/10

Left: 0.003+/-0.000 χ^2/NDF: 15620681.4/21

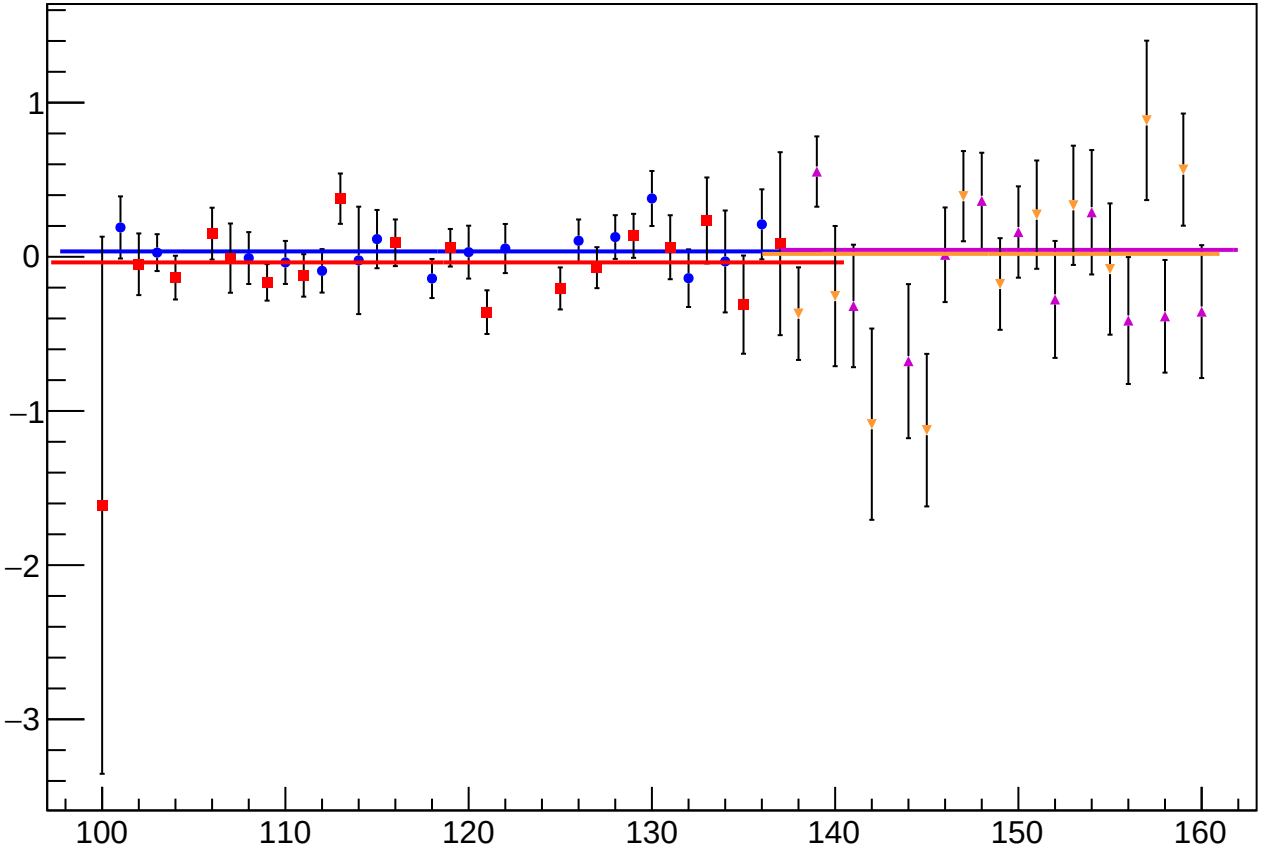
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:13043800.5/26

Out: 0.003+/-0.000 χ^2/NDF:14413348.2/28

All: 0.004+/-0.000 χ^2/NDF: 27750285.3/55

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: 0.045+/-0.103 χ^2/NDF:13.7/10

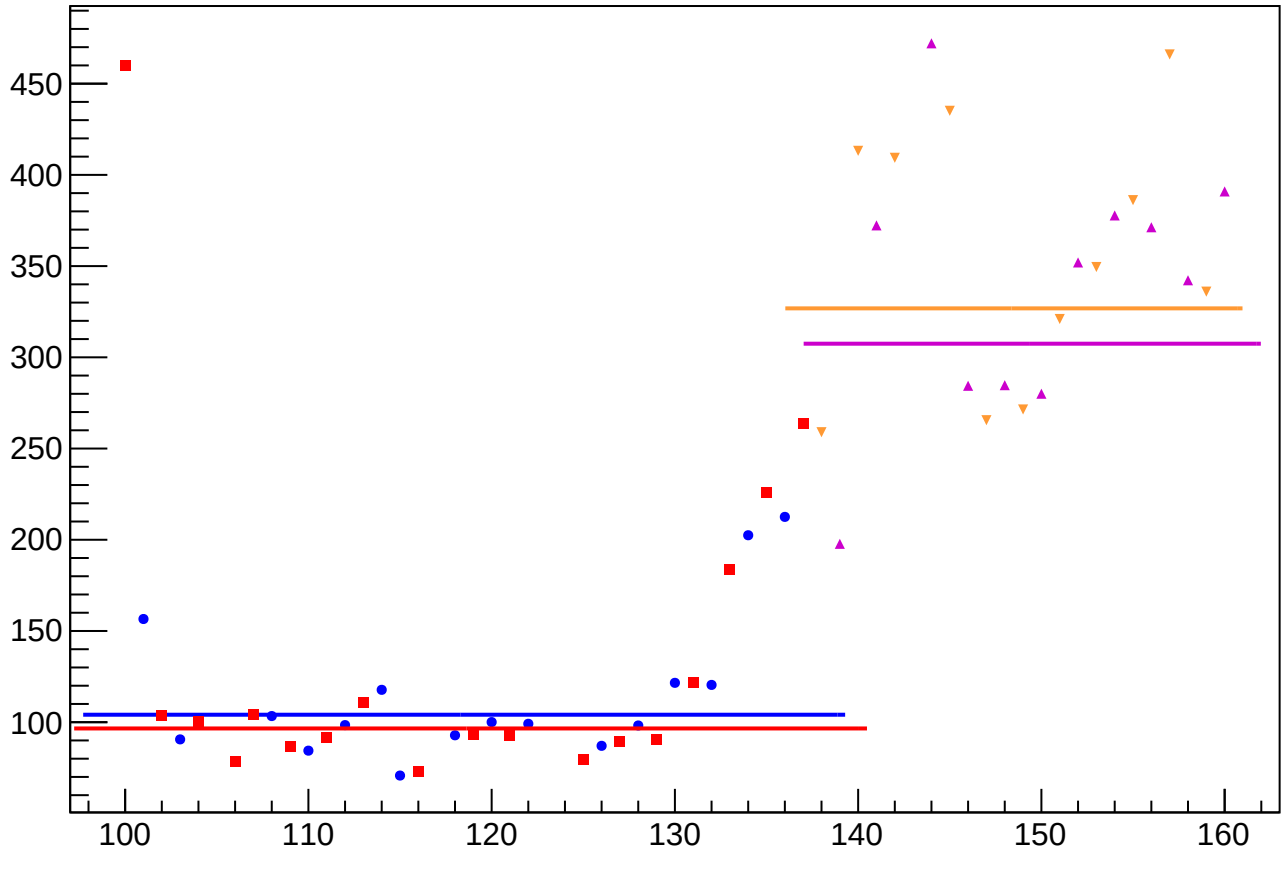
Left: 0.033+/-0.076 χ^2/NDF: 32.6/21

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.002+/-0.026 χ^2/NDF: 66.2/55



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: 307.466+/-0.073 χ^2/NDF:1001366.8/10

Left: 316.215+/-0.054 χ^2/NDF: 1688430.3/21

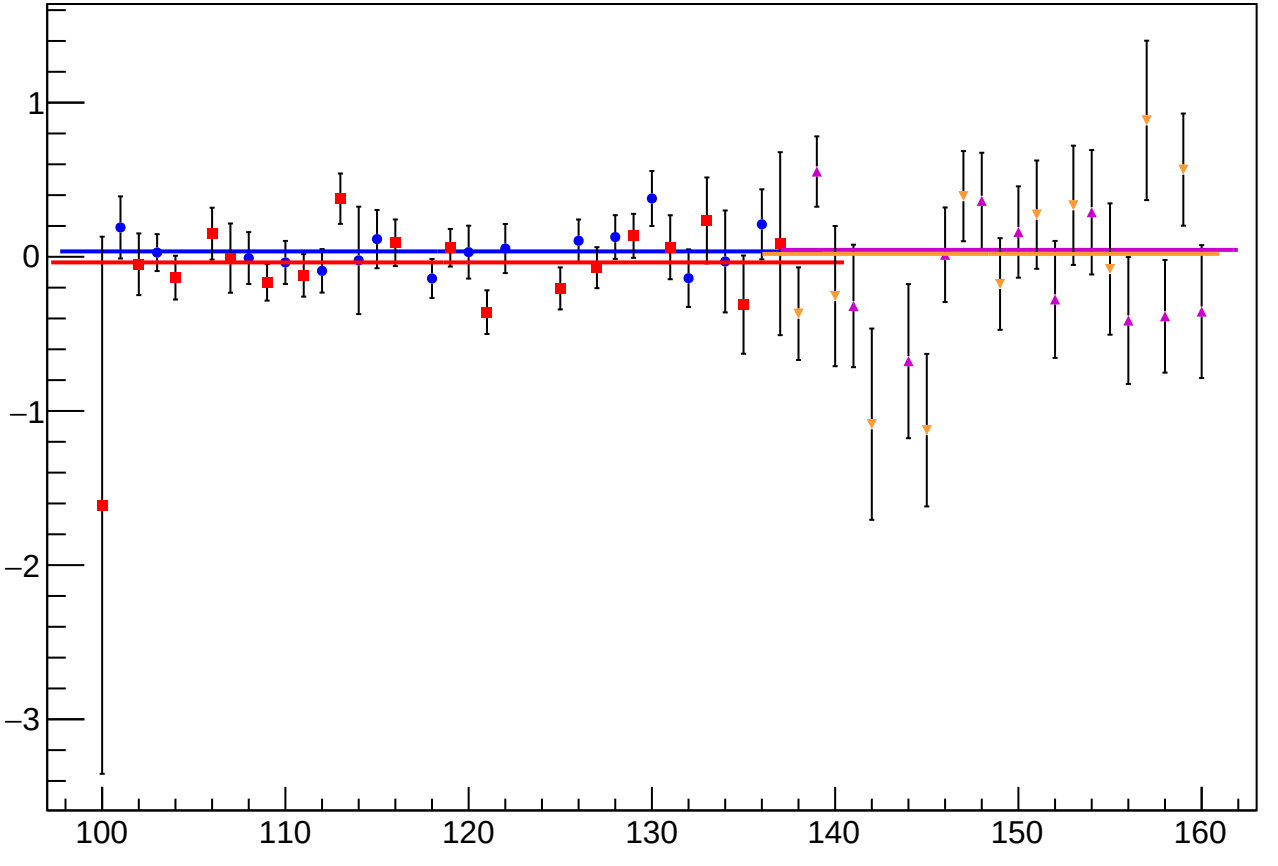
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 131.810+/-0.027 χ^2/NDF:8685829.5/26

Out: 120.660+/-0.026 χ^2/NDF:8941960.9/28

All: 126.038+/-0.019 χ^2/NDF: 17716320.0/55

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: 0.045+/-0.103 χ^2/NDF:13.7/10

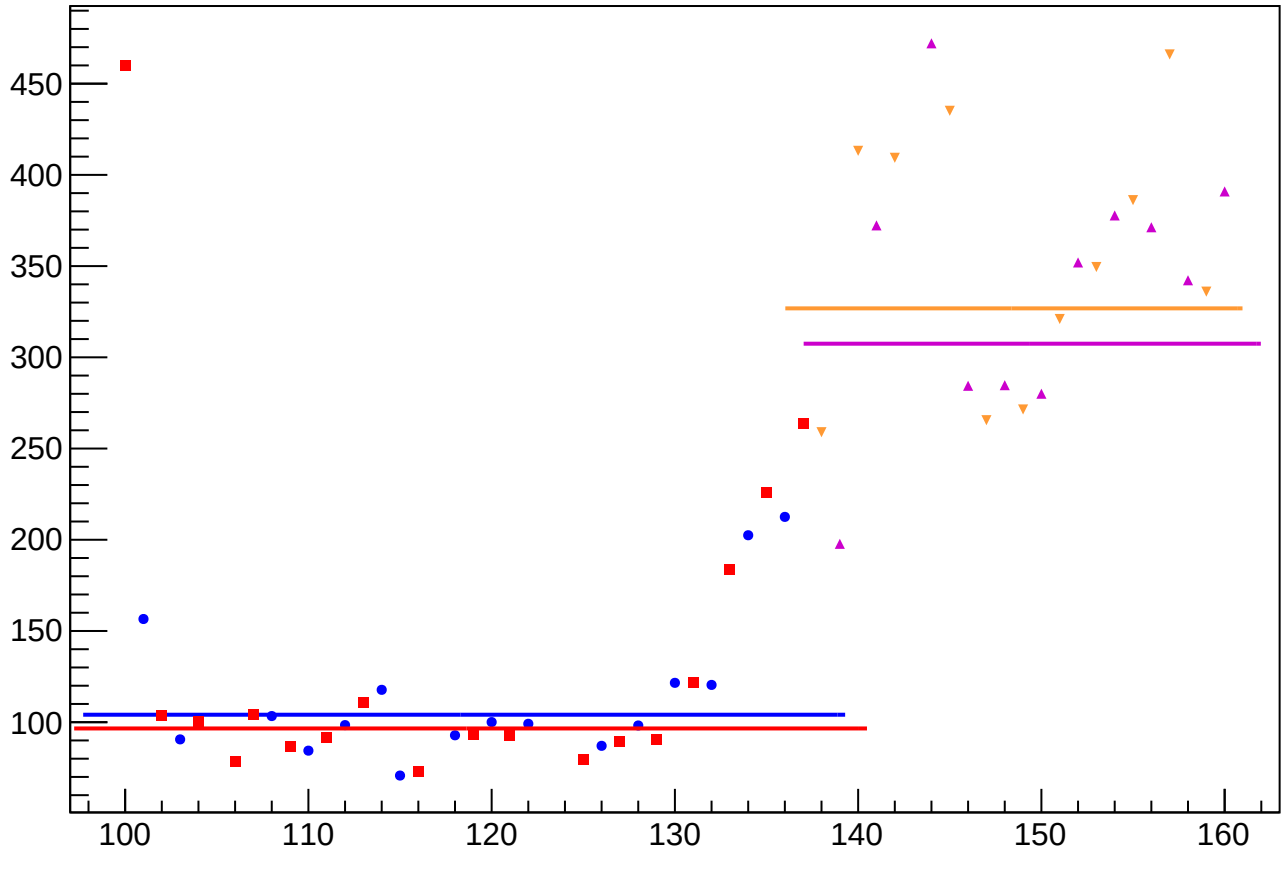
Left: 0.033+/-0.076 χ^2/NDF: 32.6/21

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.031+/-0.037 χ^2/NDF:41.2/28

All: 0.002+/-0.026 χ^2/NDF: 66.2/55



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: 307.466+/-0.073 χ^2/NDF:1001366.8/10

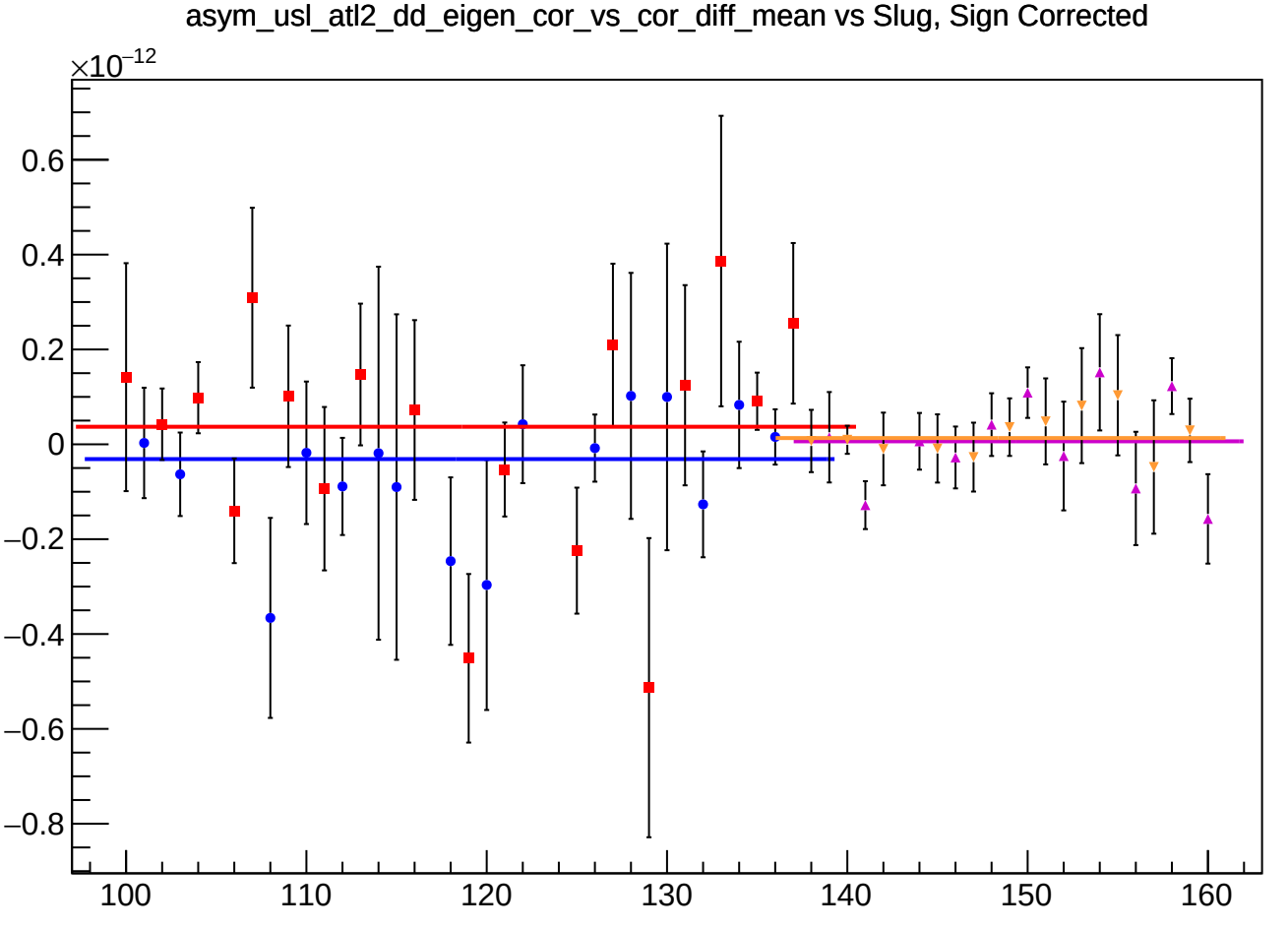
Left: 316.215+/-0.054 χ^2/NDF: 1688430.3/21

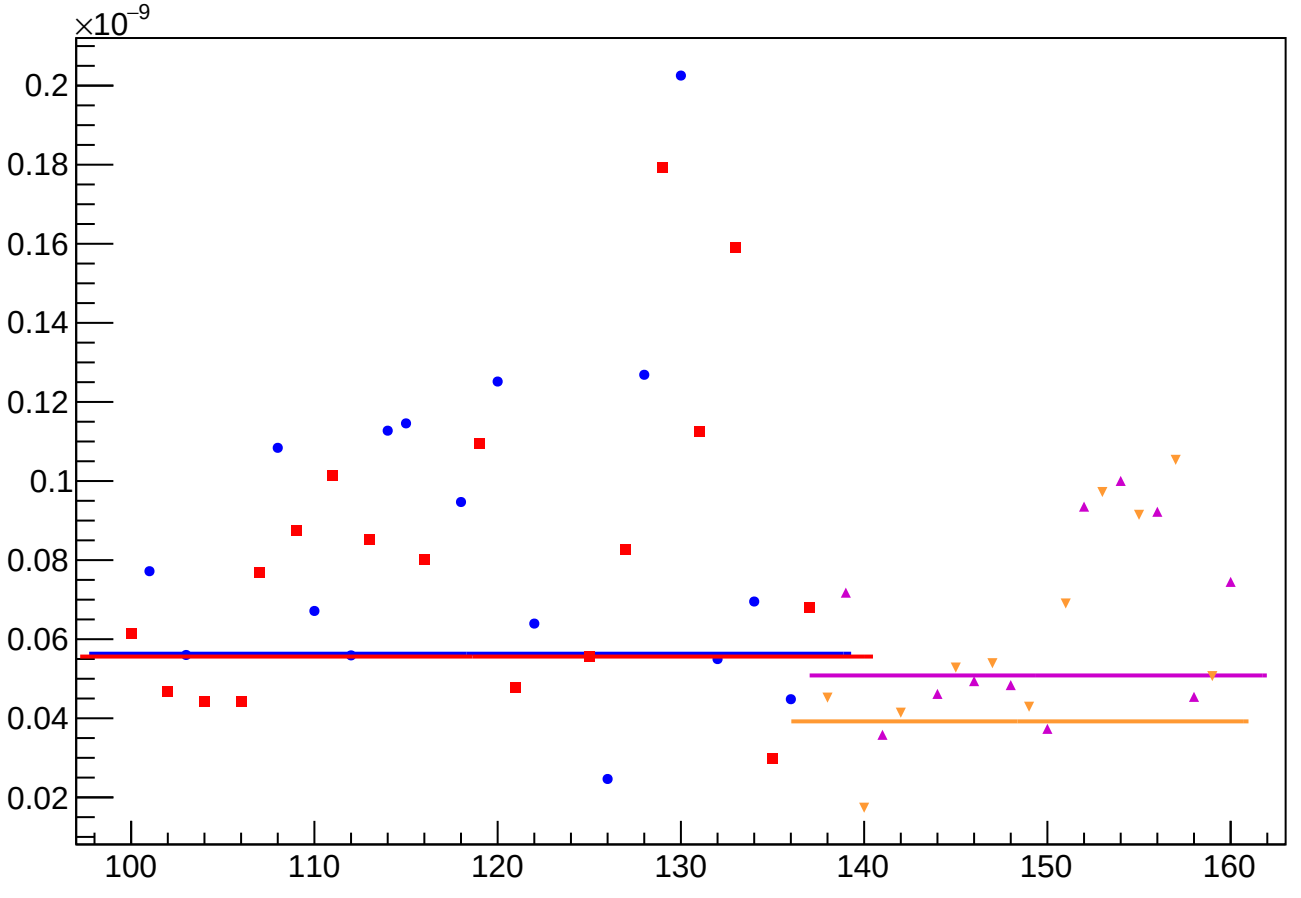
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 131.810+/-0.027 χ^2/NDF:8685829.5/26

Out: 120.660+/-0.026 χ^2/NDF:8941960.9/28

All: 126.038+/-0.019 χ^2/NDF: 17716320.0/55


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:20.5/10
Left: 0.000+/-0.000 χ²/NDF: 22.4/21
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:30.1/26
Out: 0.000+/-0.000 χ²/NDF:29.4/28
All: 0.000+/-0.000 χ²/NDF: 60.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2781472.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1399823.3/10

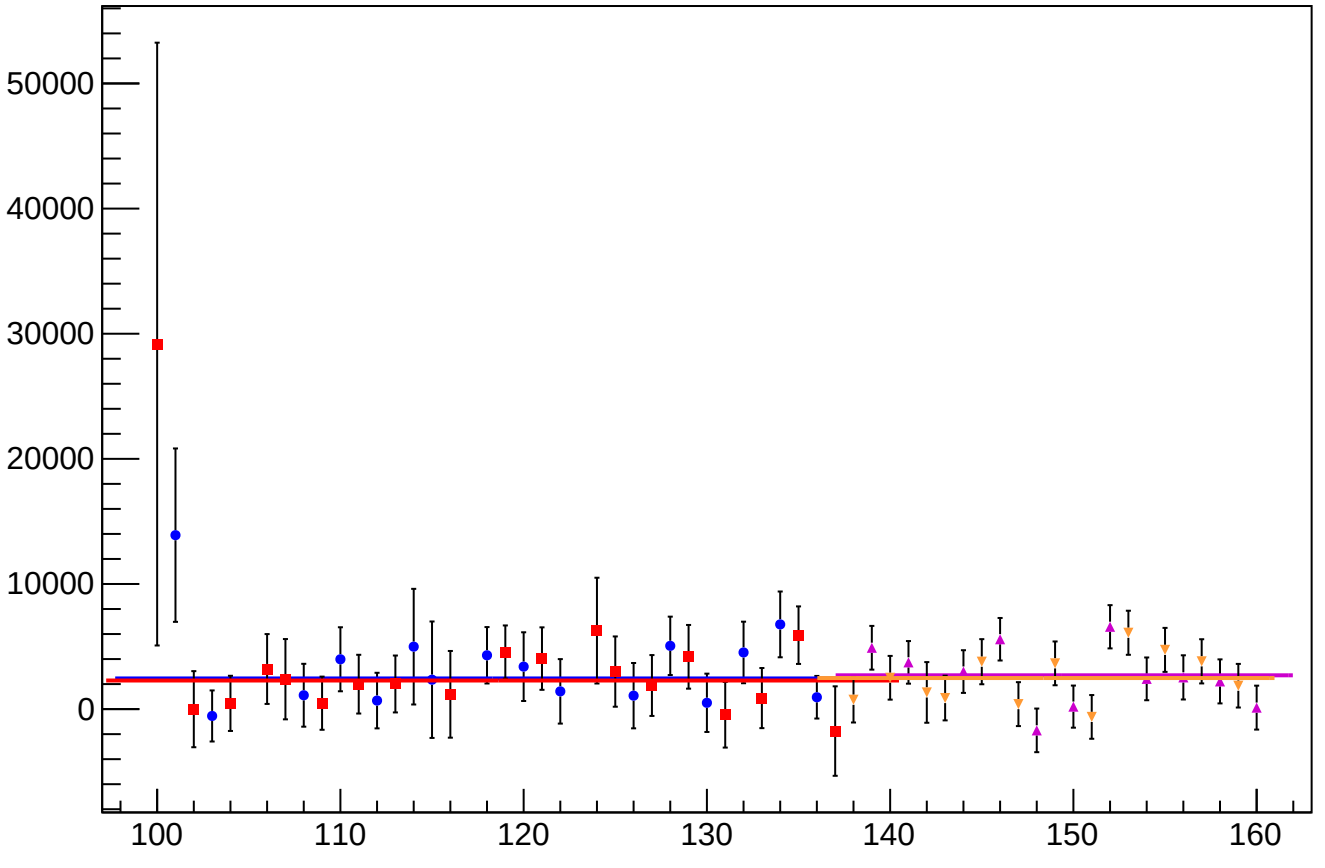
Left: 0.000+/-0.000 χ^2/NDF: 4510623.1/21

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3028117.1/26

Out: 0.000+/-0.000 χ^2/NDF:4998971.9/28

All: 0.000+/-0.000 χ^2/NDF: 8285761.3/55



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: 2701.842+/-520.593 χ^2/NDF:20.8/10

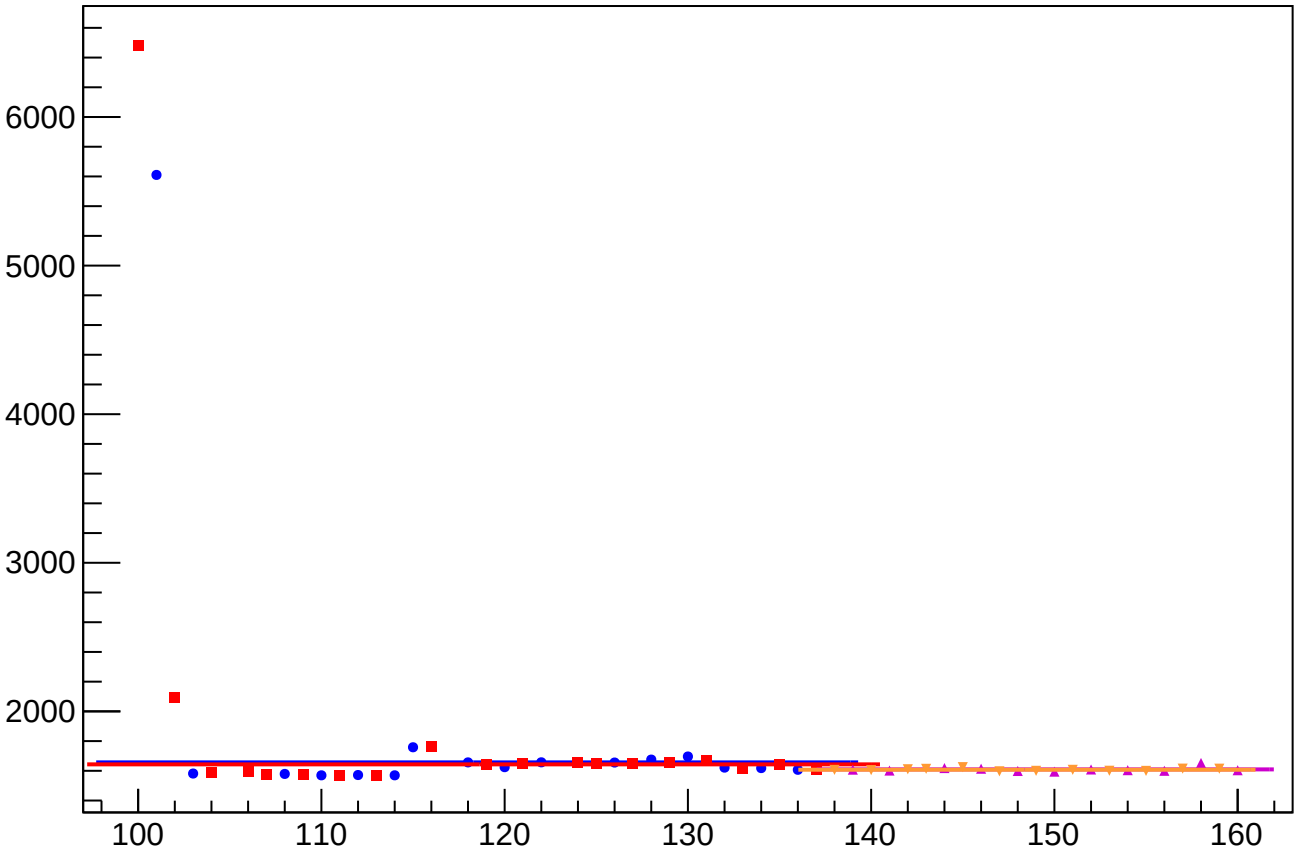
Left: 2592.208+/-367.954 χ^2/NDF: 34.9/22

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2599.681+/-401.368 χ^2/NDF:34.7/26

Out: 2400.039+/-395.559 χ^2/NDF:25.9/30

All: 2498.405+/-281.734 χ^2/NDF: 60.8/57



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: 1609.551+/-0.368 χ^2/NDF:1647.6/10

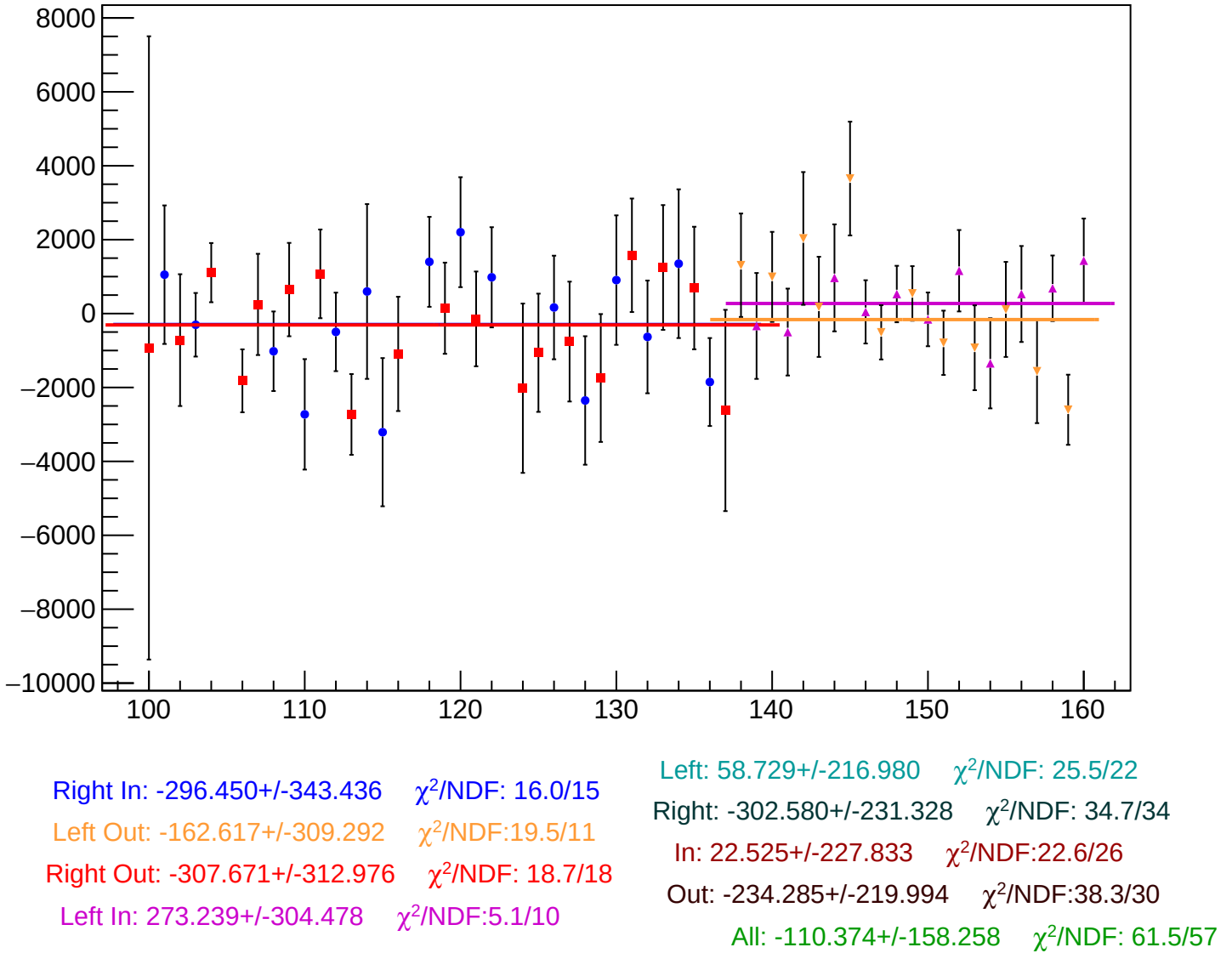
Left: 1608.446+/-0.260 χ^2/NDF: 2130.0/22

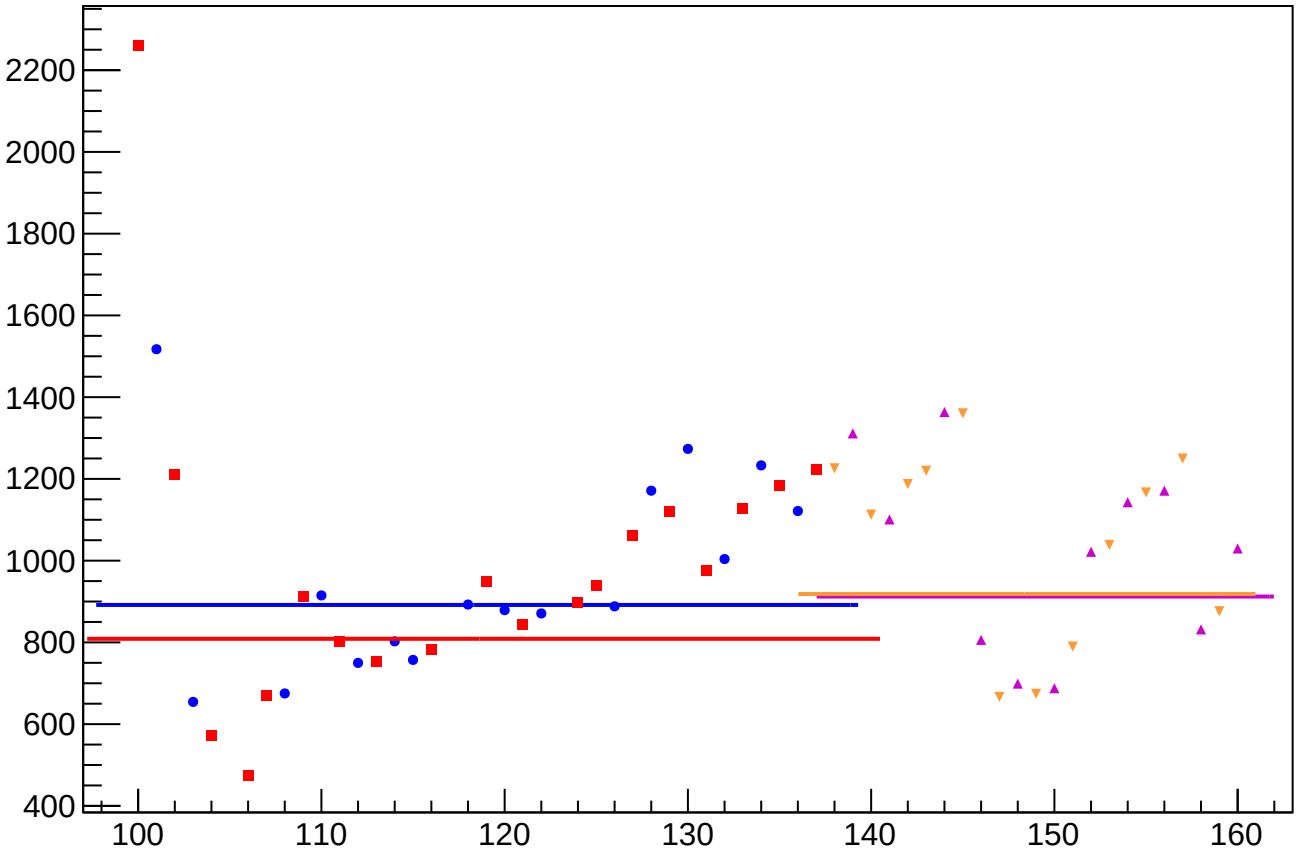
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1628.667+/-0.284 χ^2/NDF:674522.8/26

Out: 1622.560+/-0.280 χ^2/NDF:141521.5/30

All: 1625.569+/-0.199 χ^2/NDF: 816279.2/57


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: -162.617+/-309.292 χ²/NDF:19.5/11
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: 273.239+/-304.478 χ²/NDF:5.1/10
Left: 58.729+/-216.980 χ²/NDF: 25.5/22
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: 22.525+/-227.833 χ²/NDF:22.6/26
Out: -234.285+/-219.994 χ²/NDF:38.3/30
All: -110.374+/-158.258 χ²/NDF: 61.5/57



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: 912.200+/-0.215 χ^2/NDF:986250.6/10

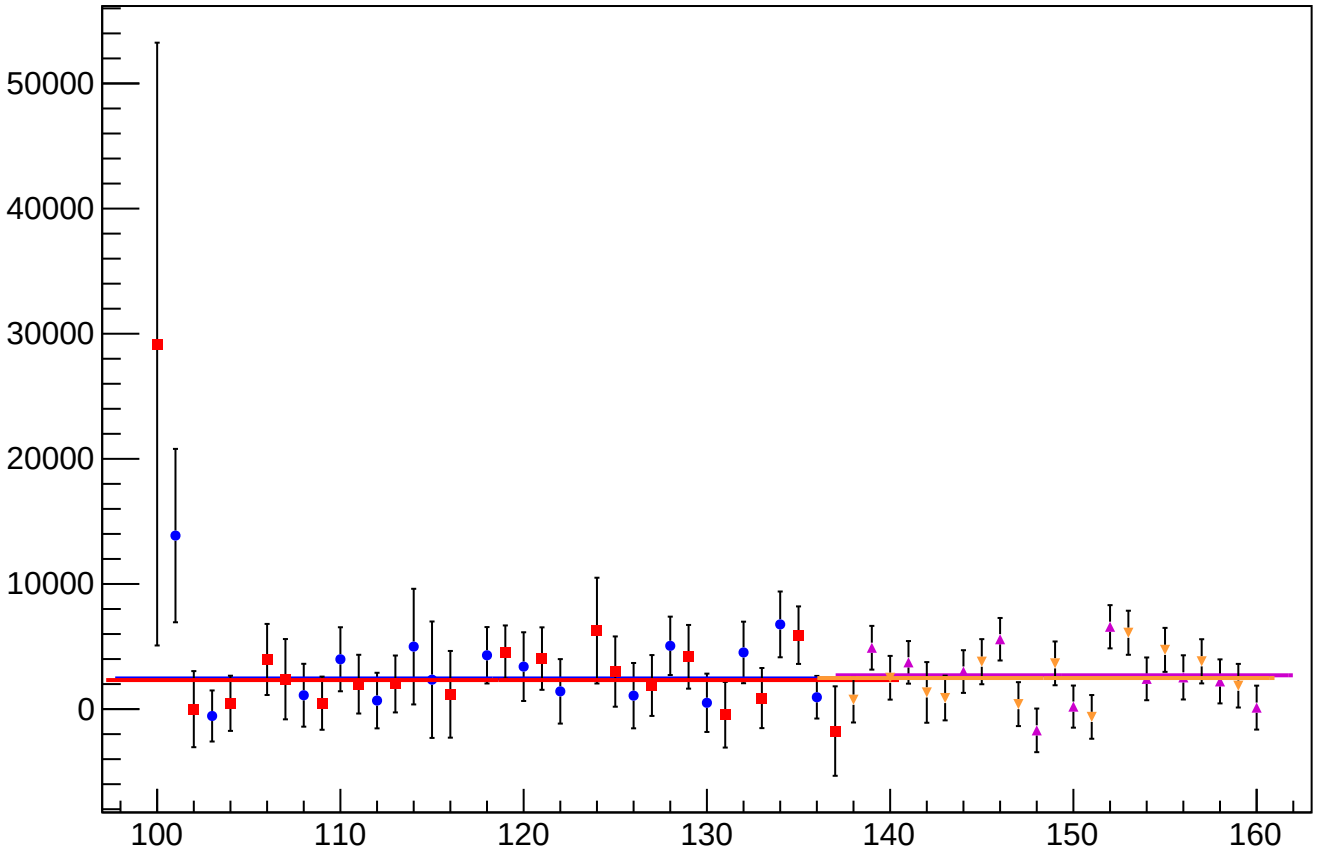
Left: 915.225+/-0.153 χ^2/NDF: 2152870.7/22

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 903.148+/-0.161 χ^2/NDF:1784163.6/26

Out: 864.227+/-0.156 χ^2/NDF:2374004.1/30

All: 883.007+/-0.112 χ^2/NDF: 4188373.1/57



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: 2701.858+/-520.593 χ^2/NDF:20.8/10

Left: 2592.202+/-367.954 χ^2/NDF: 34.9/22

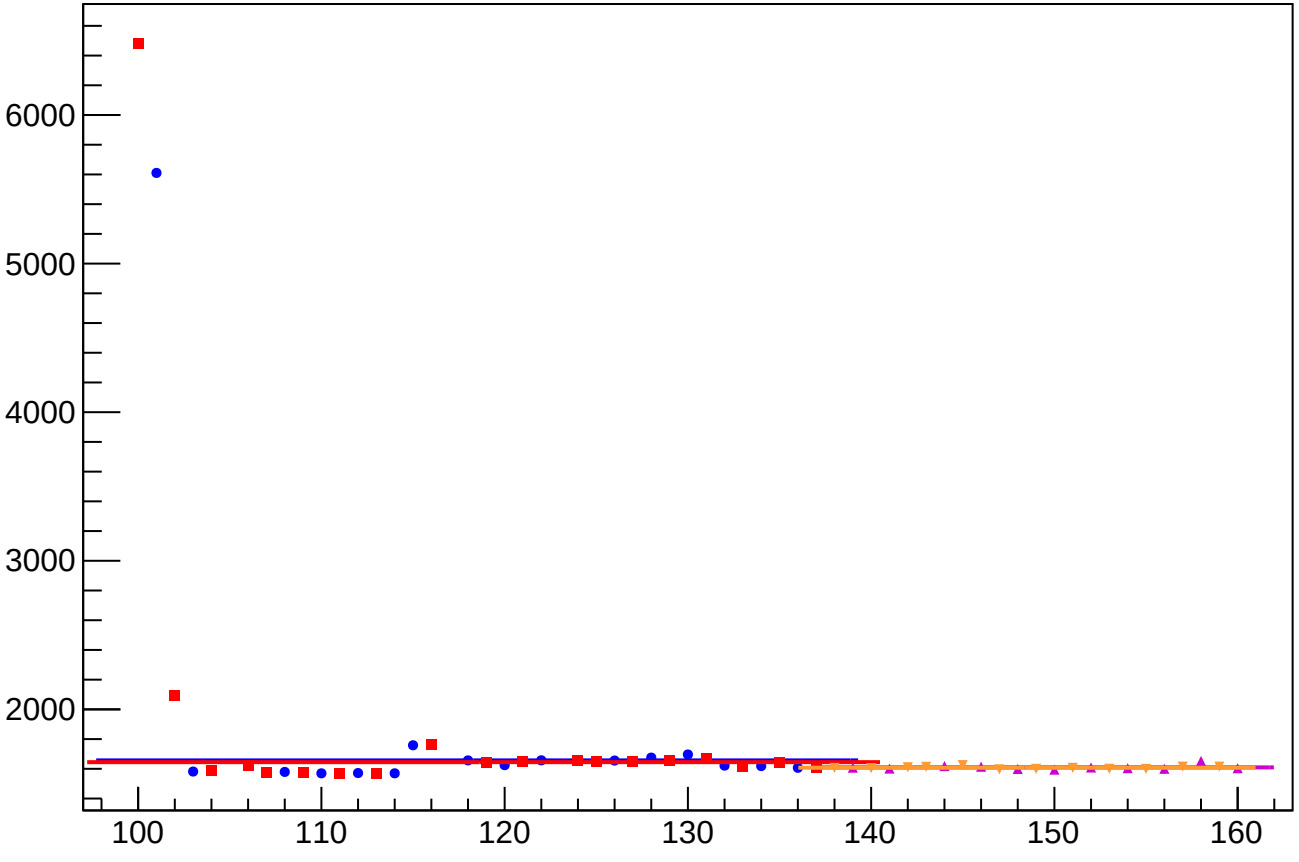
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2599.464+/-401.368 χ^2/NDF:34.7/26

Out: 2414.424+/-395.696 χ^2/NDF:26.1/30

All: 2505.627+/-281.783 χ^2/NDF: 60.9/57

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1609.551+/-0.368 χ^2/NDF:1647.6/10

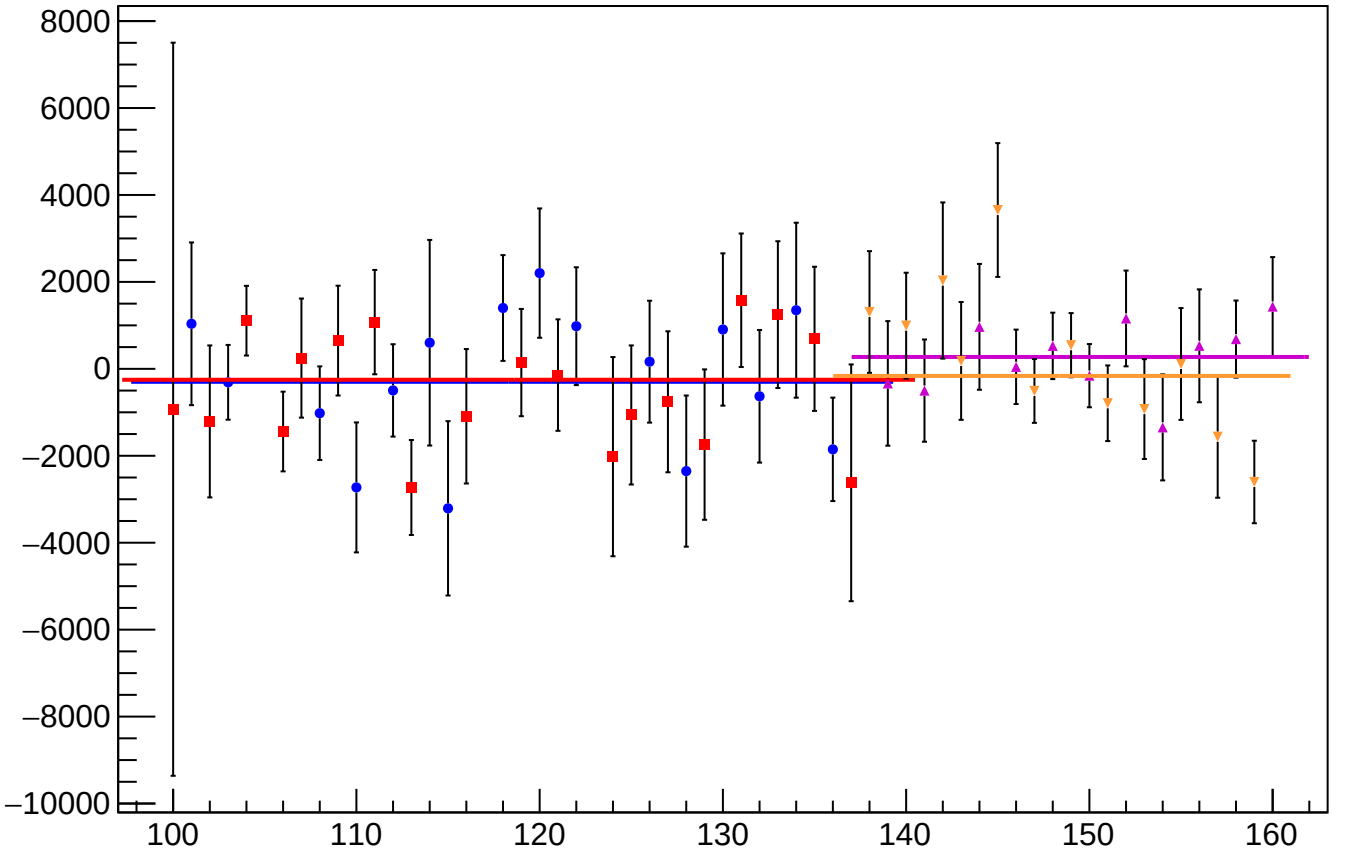
Left: 1608.446+/-0.260 χ^2/NDF: 2130.0/22

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1628.667+/-0.284 χ^2/NDF:674522.3/26

Out: 1623.094+/-0.280 χ^2/NDF:141301.0/30

All: 1625.841+/-0.199 χ^2/NDF: 816018.8/57



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: 273.251+/-304.479 χ^2/NDF:5.1/10

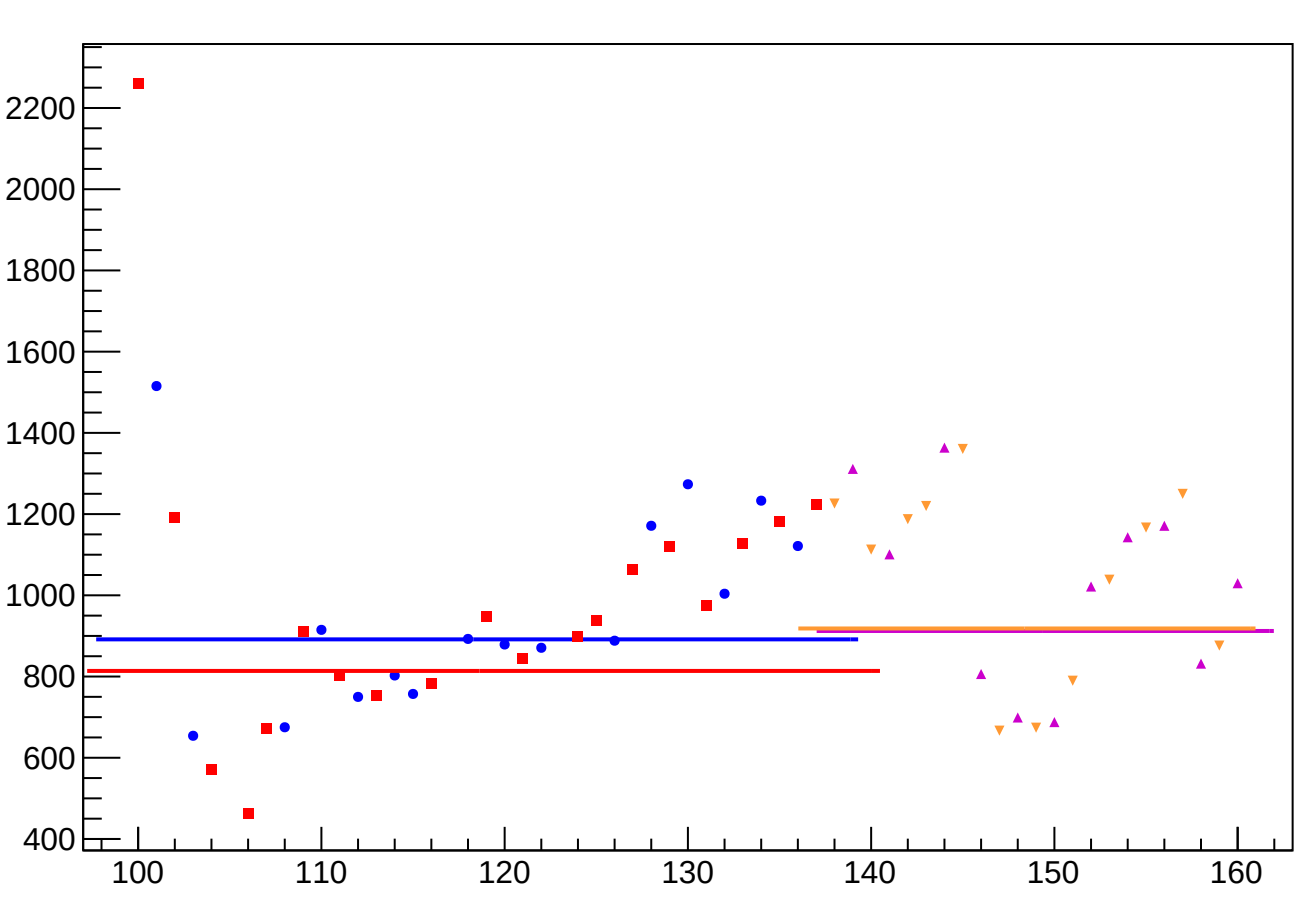
Left: 58.688+/-216.980 χ^2/NDF: 25.5/22

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 21.902+/-227.820 χ^2/NDF:22.6/26

Out: -206.053+/-220.949 χ^2/NDF:36.8/30

All: -95.565+/-158.608 χ^2/NDF: 59.8/57



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: 912.205+/-0.215 χ^2/NDF:986216.8/10

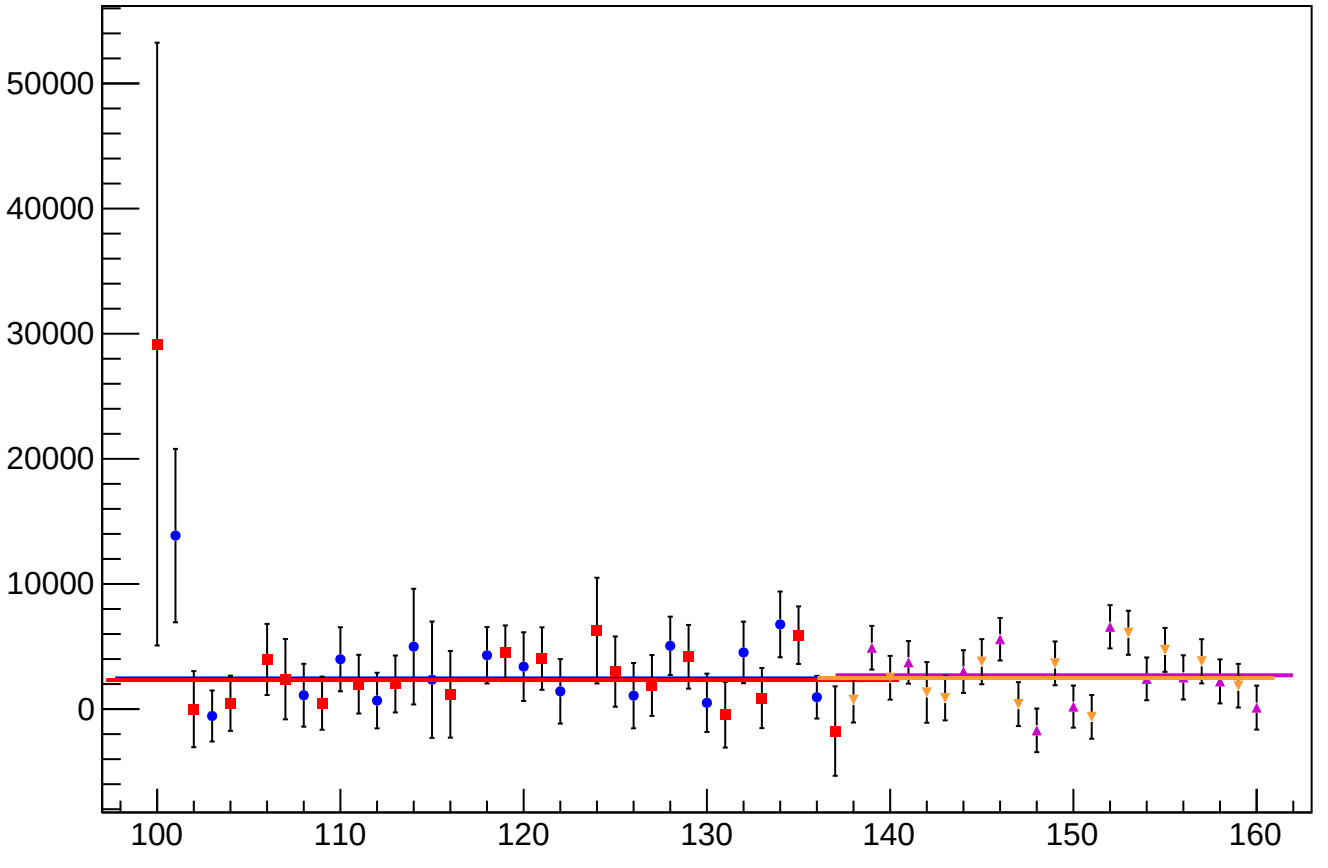
Left: 915.223+/-0.153 χ^2/NDF: 2152911.3/22

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 903.106+/-0.161 χ^2/NDF:1783931.8/26

Out: 867.152+/-0.156 χ^2/NDF:2331149.1/30

All: 884.579+/-0.112 χ^2/NDF: 4140749.4/57



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: 2701.858+/-520.593 χ^2/NDF:20.8/10

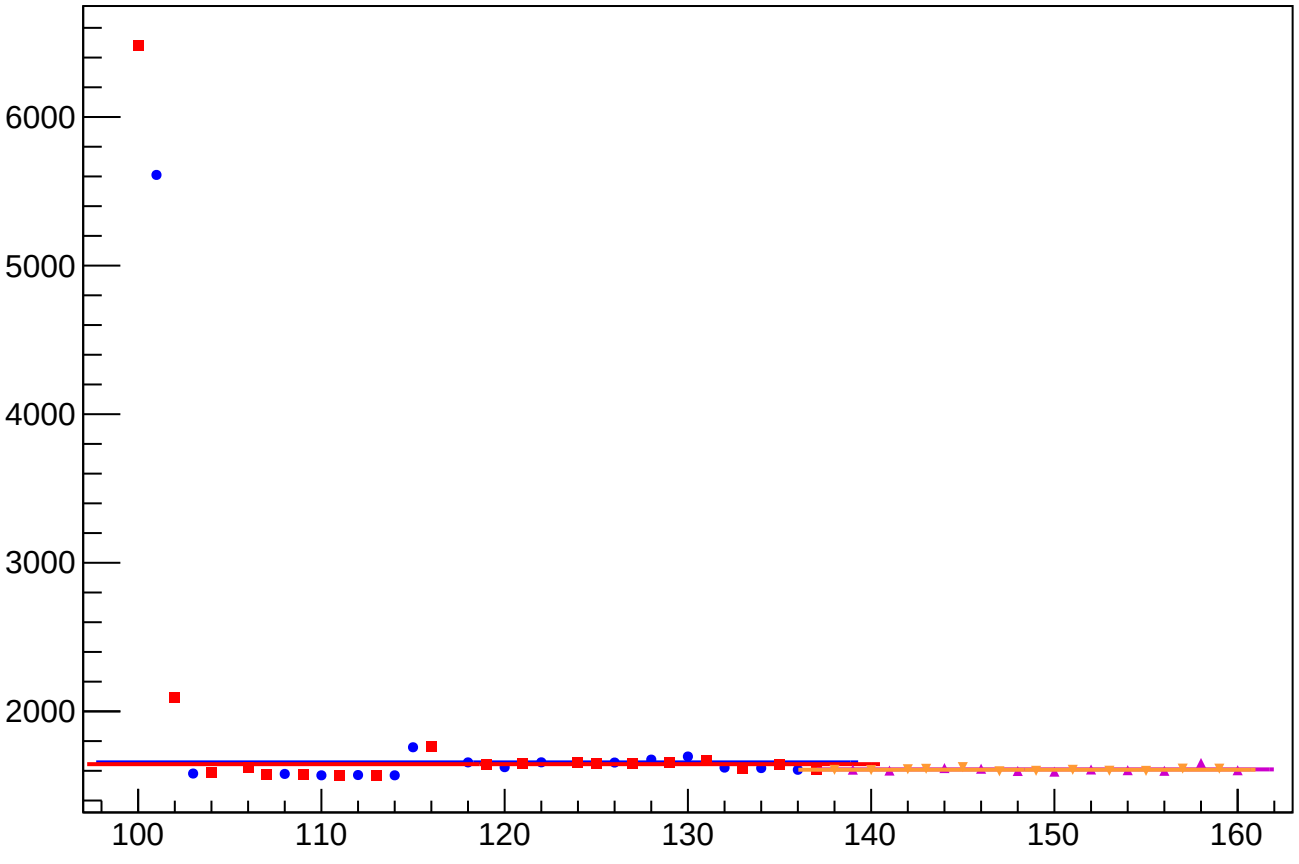
Left: 2592.202+/-367.954 χ^2/NDF: 34.9/22

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2599.464+/-401.368 χ^2/NDF:34.7/26

Out: 2414.424+/-395.696 χ^2/NDF:26.1/30

All: 2505.627+/-281.783 χ^2/NDF: 60.9/57



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: 1609.551+/-0.368 χ^2/NDF:1647.6/10

Left: 1608.446+/-0.260 χ^2/NDF: 2130.0/22

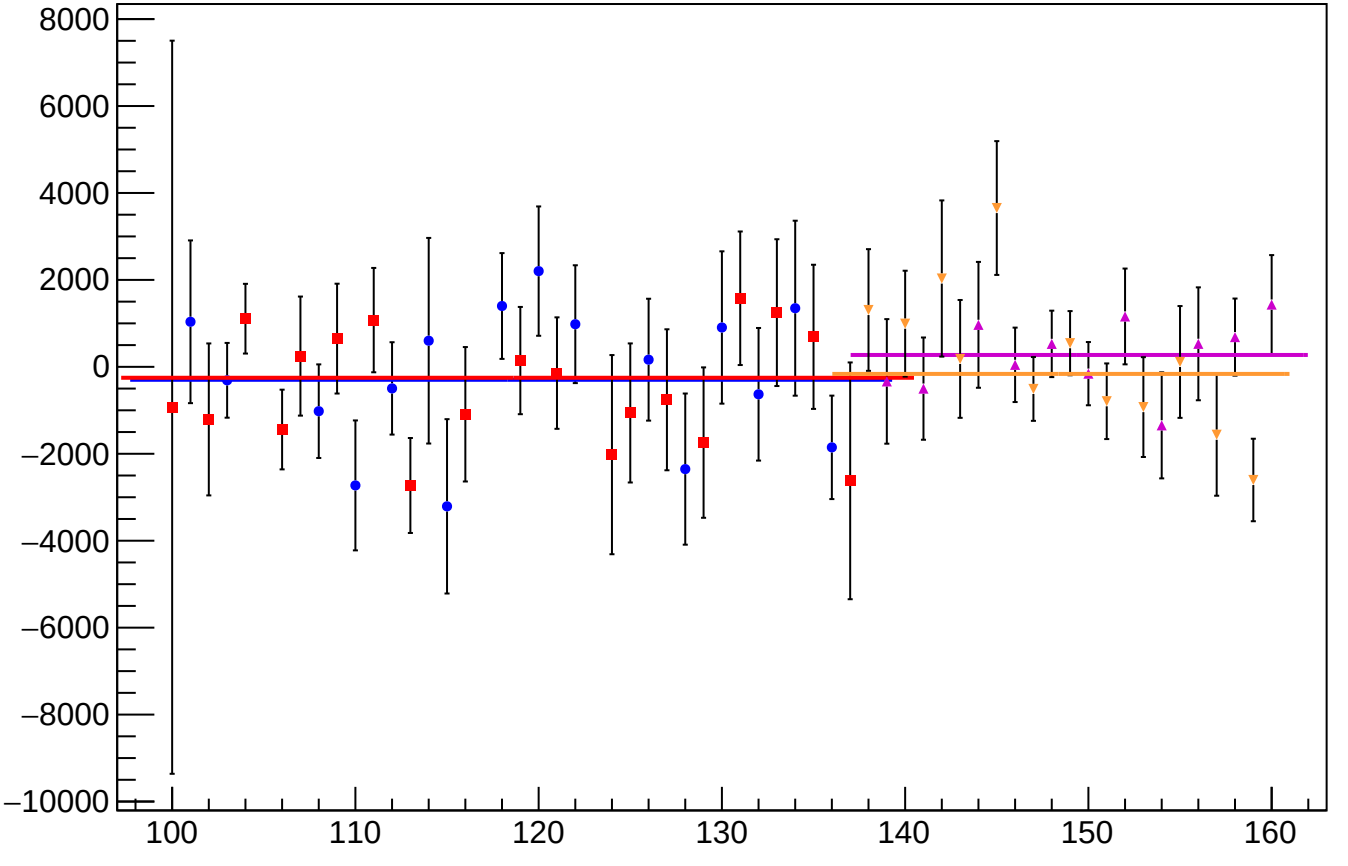
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1628.667+/-0.284 χ^2/NDF:674522.3/26

Out: 1623.094+/-0.280 χ^2/NDF:141301.0/30

All: 1625.841+/-0.199 χ^2/NDF: 816018.8/57

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -162.706+/-309.289 χ^2/NDF:19.5/11

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 273.251+/-304.479 χ^2/NDF:5.1/10

Left: 58.688+/-216.980 χ^2/NDF: 25.5/22

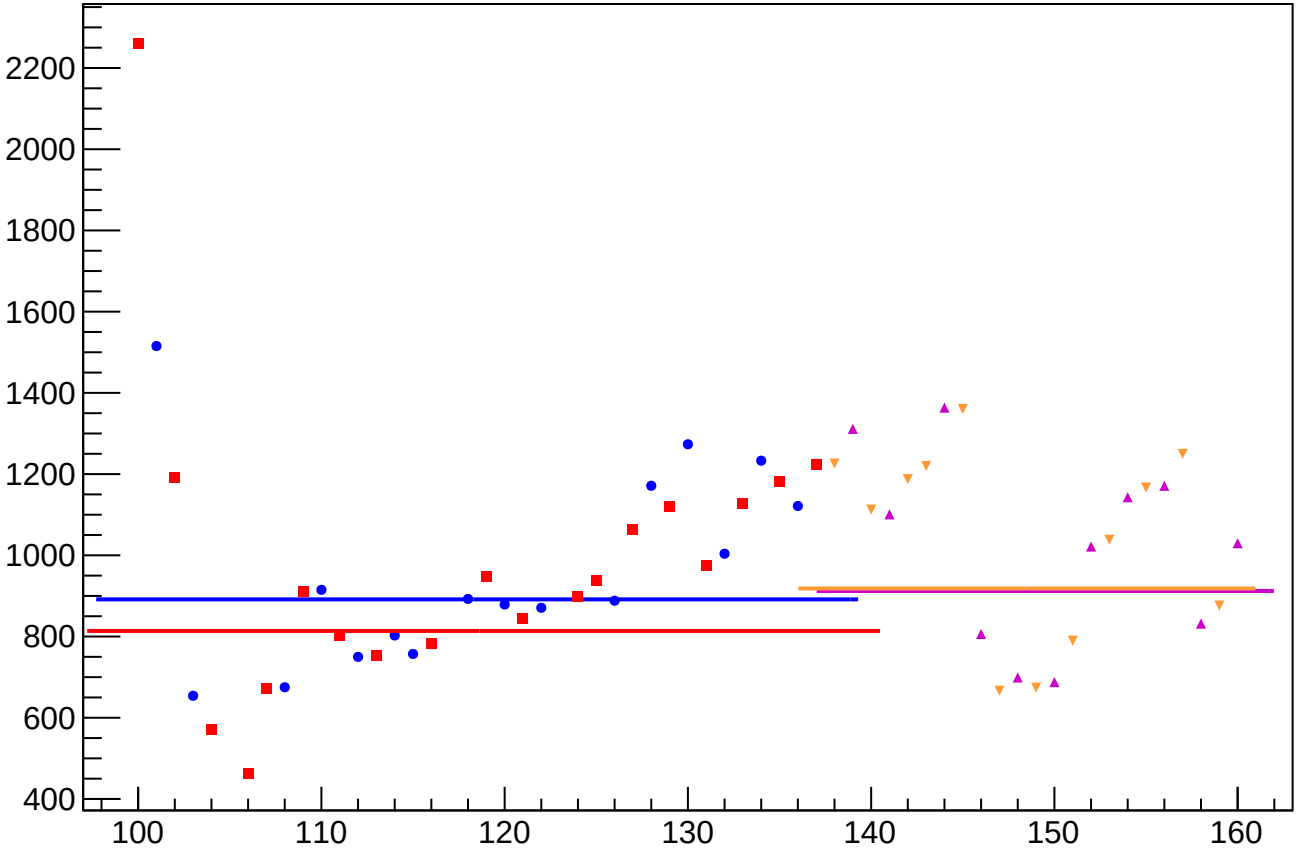
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 21.902+/-227.820 χ^2/NDF:22.6/26

Out: -206.053+/-220.949 χ^2/NDF:36.8/30

All: -95.565+/-158.608 χ^2/NDF: 59.8/57

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: 912.205+/-0.215 χ^2/NDF:986216.8/10

Left: 915.223+/-0.153 χ^2/NDF: 2152911.3/22

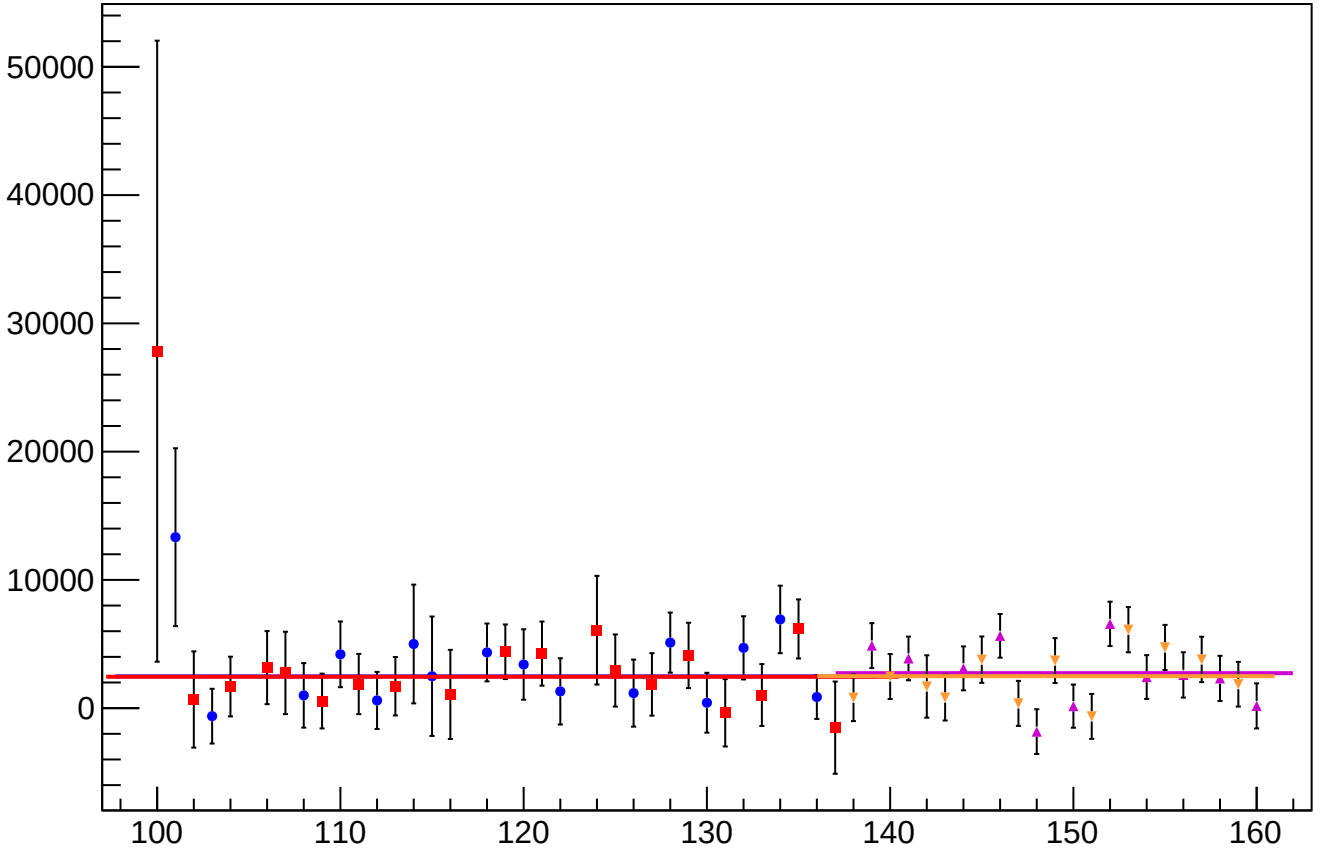
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 903.106+/-0.161 χ^2/NDF:1783931.8/26

Out: 867.152+/-0.156 χ^2/NDF:2331149.1/30

All: 884.579+/-0.112 χ^2/NDF: 4140749.4/57

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: 2729.069+/-521.248 χ^2/NDF:21.2/10

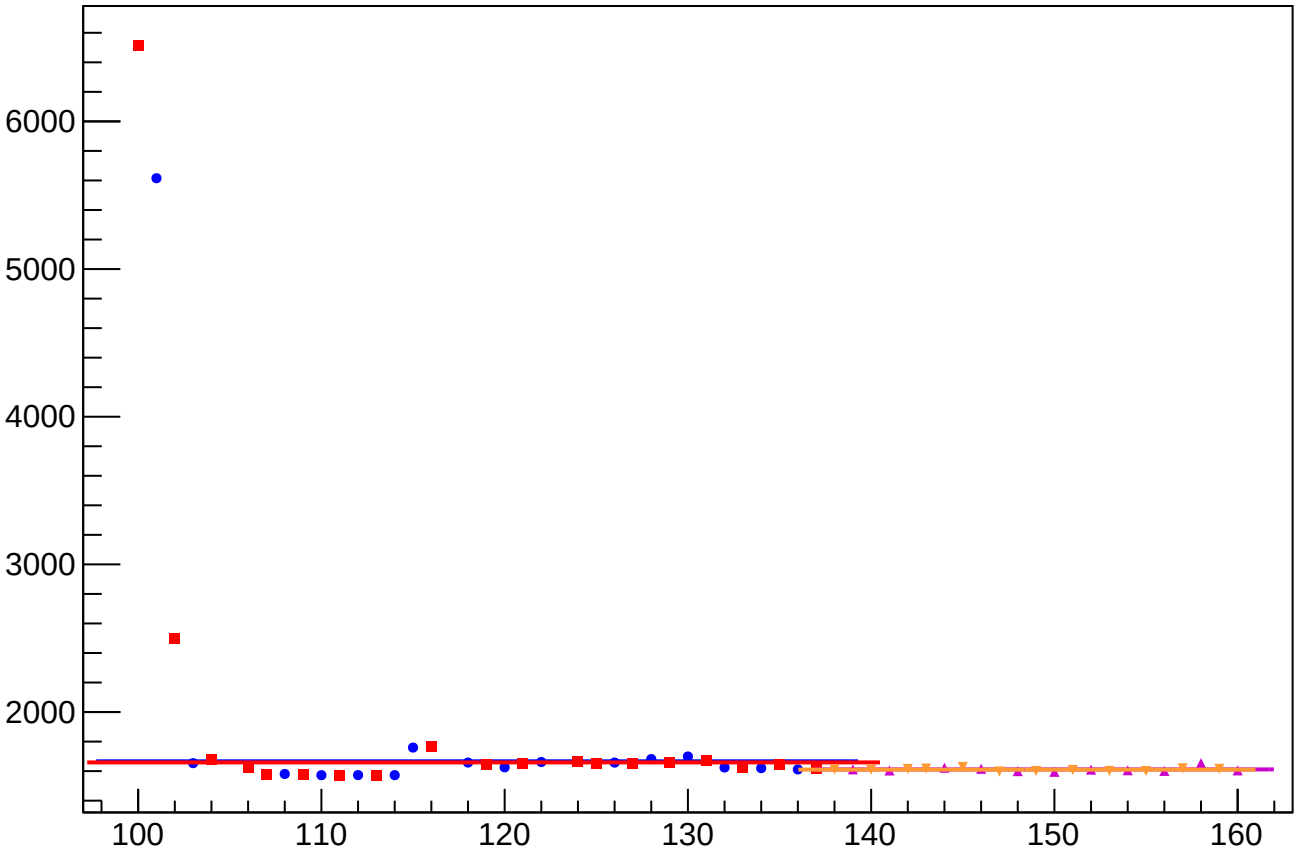
Left: 2612.633+/-368.489 χ^2/NDF: 35.3/22

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2626.664+/-402.604 χ^2/NDF:35.5/26

Out: 2476.659+/-398.208 χ^2/NDF:24.6/30

All: 2550.838+/-283.117 χ^2/NDF: 60.2/57



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: 1611.561+/-0.369 χ^2/NDF:1696.8/10

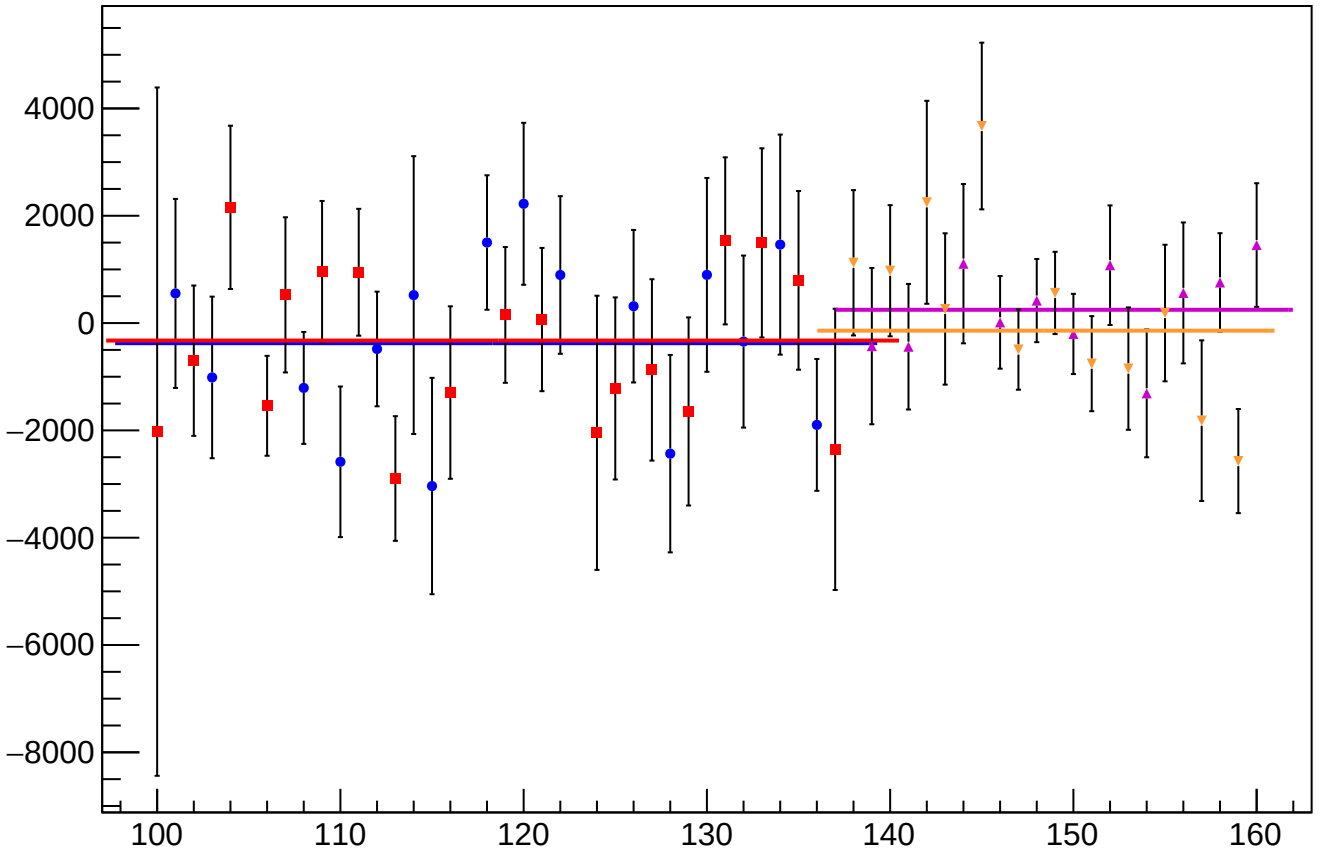
Left: 1610.772+/-0.261 χ^2/NDF: 2275.6/22

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1633.684+/-0.285 χ^2/NDF:673541.8/26

Out: 1630.367+/-0.282 χ^2/NDF:201155.9/30

All: 1632.008+/-0.200 χ^2/NDF: 874766.3/57



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: 247.754+/-308.863 χ^2/NDF:5.1/10

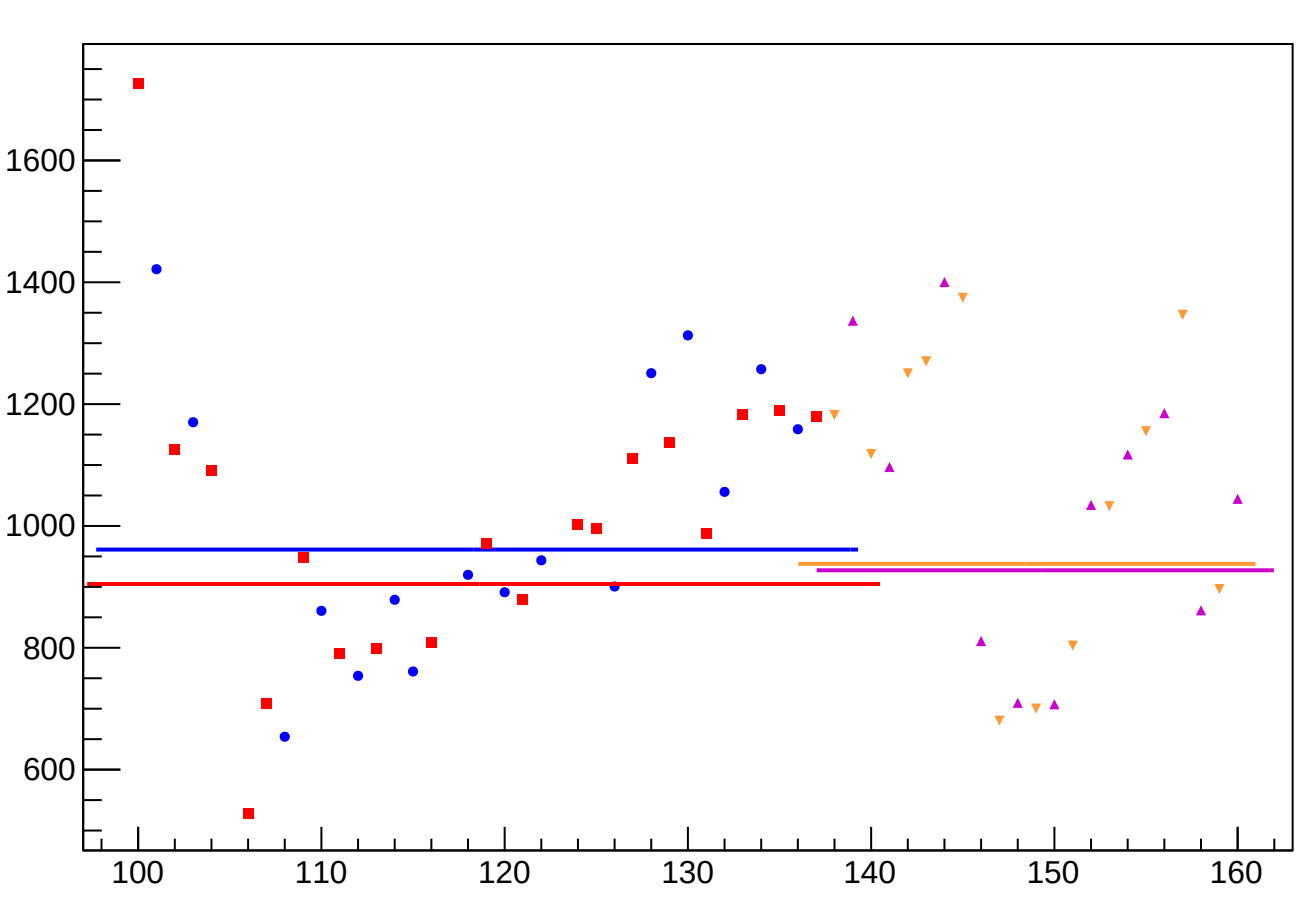
Left: 57.276+/-220.602 χ^2/NDF: 24.8/22

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -9.503+/-236.565 χ^2/NDF:22.5/26

Out: -226.230+/-231.341 χ^2/NDF:36.5/30

All: -120.285+/-165.399 χ^2/NDF: 59.4/57



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: 927.224+/-0.218 χ^2/NDF:948040.2/10

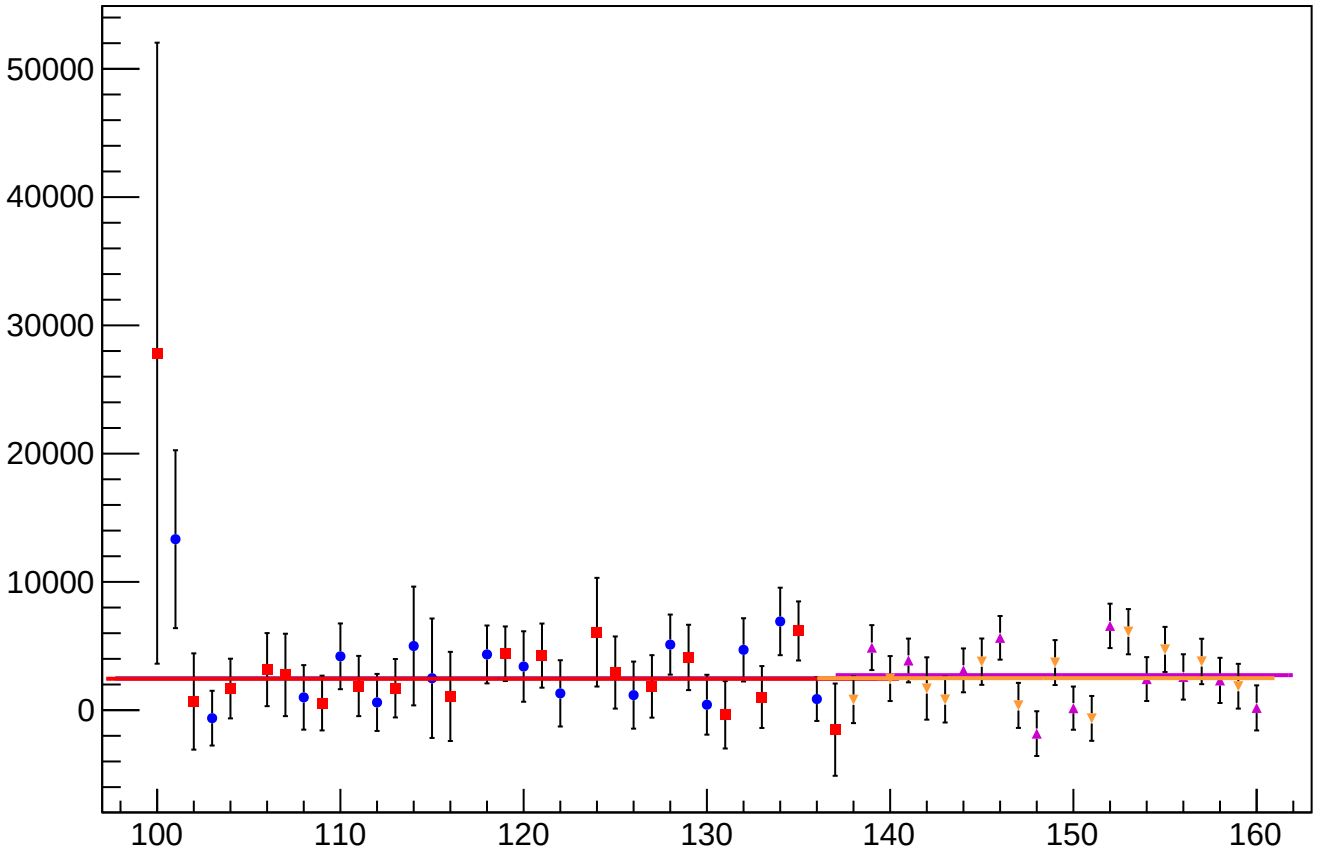
Left: 932.401+/-0.156 χ^2/NDF: 2081685.3/22

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 941.286+/-0.167 χ^2/NDF:1649944.7/26

Out: 922.544+/-0.164 χ^2/NDF:1879129.7/30

All: 931.706+/-0.117 χ^2/NDF: 3535491.6/57



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: 2729.070+/-521.248 χ^2/NDF:21.2/10

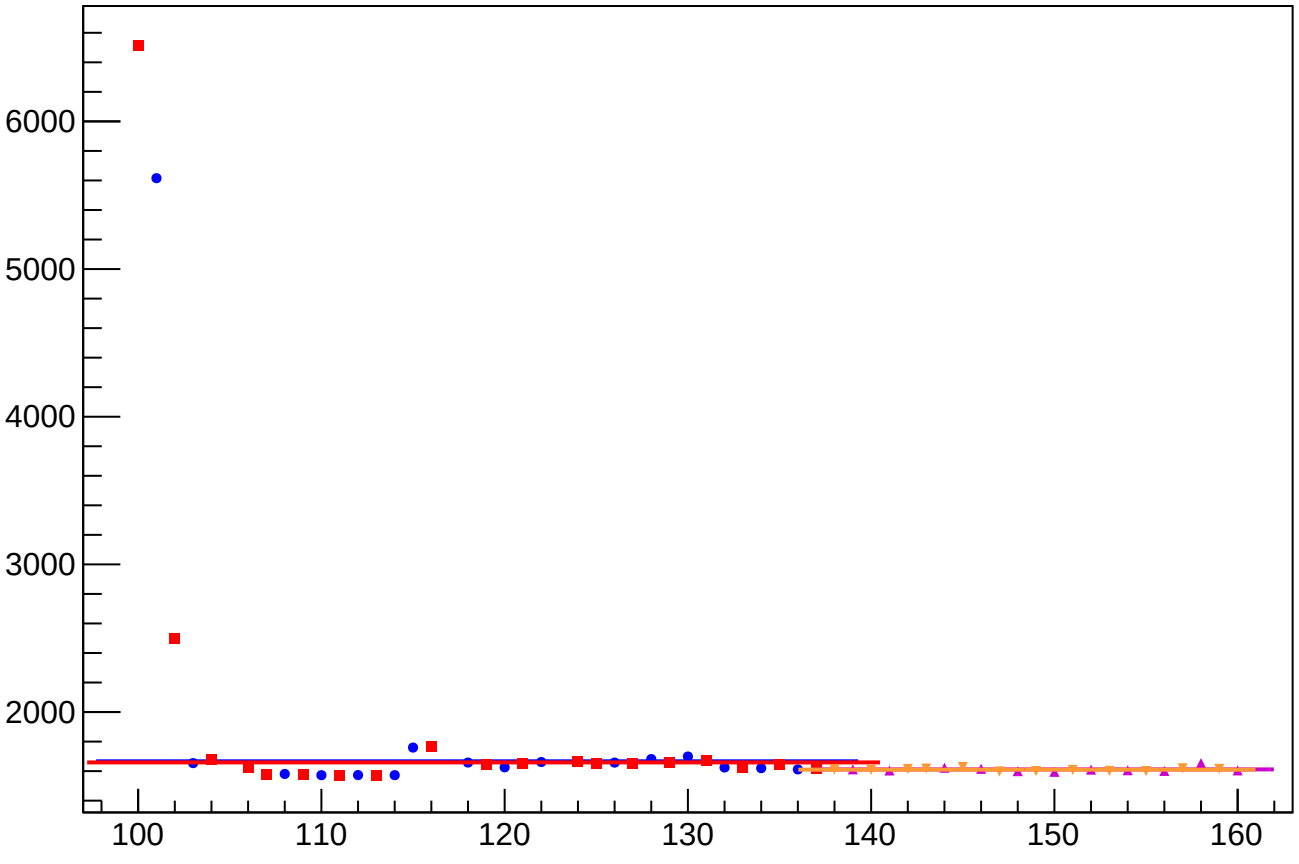
Left: 2612.633+/-368.489 χ^2/NDF: 35.3/22

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2626.664+/-402.604 χ^2/NDF:35.5/26

Out: 2476.659+/-398.208 χ^2/NDF:24.6/30

All: 2550.838+/-283.117 χ^2/NDF: 60.2/57



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: 1611.561+/-0.369 χ^2/NDF:1696.8/10

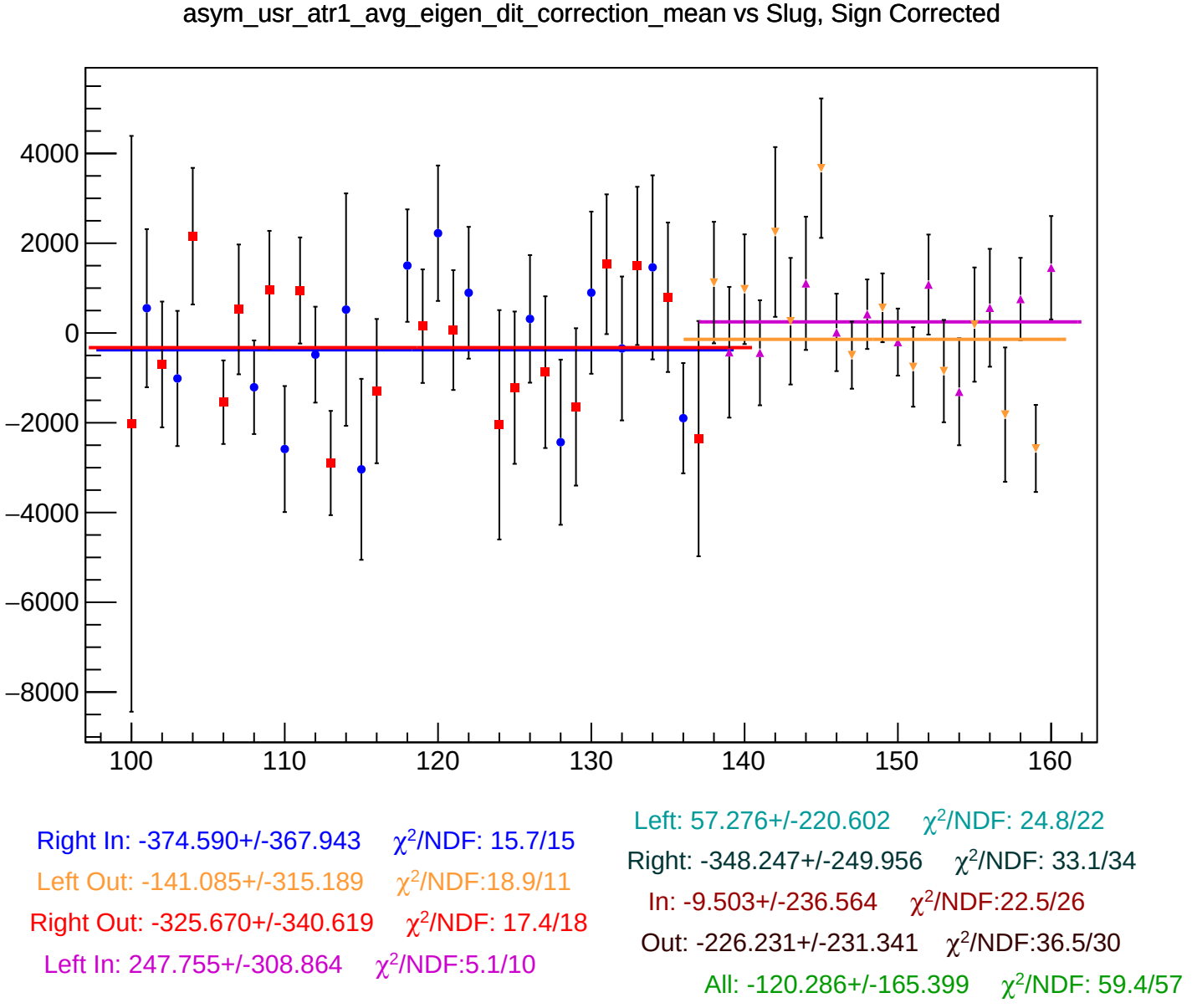
Left: 1610.772+/-0.261 χ^2/NDF: 2275.6/22

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1633.684+/-0.285 χ^2/NDF:673541.7/26

Out: 1630.367+/-0.282 χ^2/NDF:201155.6/30

All: 1632.008+/-0.200 χ^2/NDF: 874766.0/57


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
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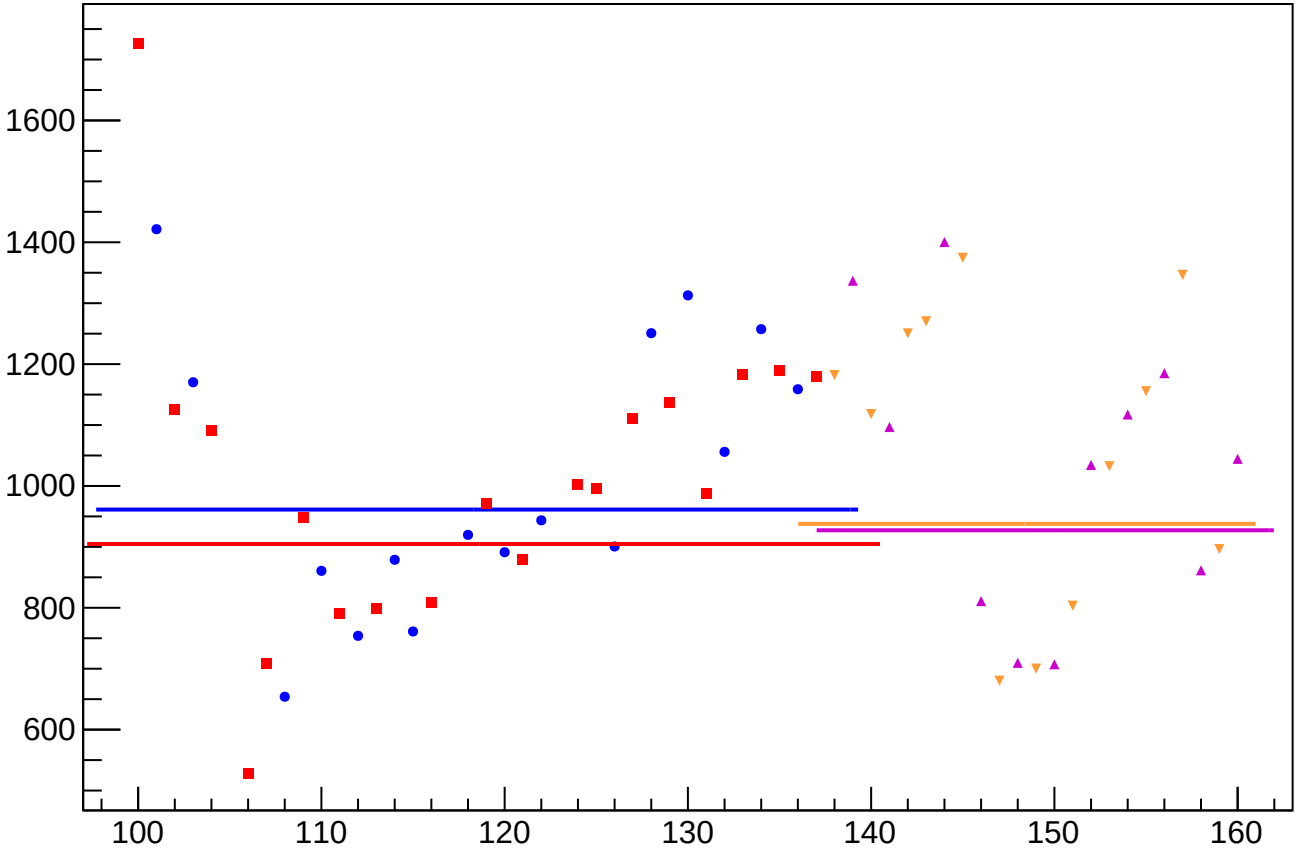
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -141.085+/-315.189 χ²/NDF:18.9/11
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 247.755+/-308.864 χ²/NDF:5.1/10
Left: 57.276+/-220.602 χ²/NDF: 24.8/22
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -9.503+/-236.564 χ²/NDF:22.5/26
Out: -226.231+/-231.341 χ²/NDF:36.5/30
All: -120.286+/-165.399 χ²/NDF: 59.4/57

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 937.793+/-0.223 χ^2/NDF:1132500.7/11

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 927.226+/-0.218 χ^2/NDF:948042.5/10

Left: 932.402+/-0.156 χ^2/NDF: 2081690.0/22

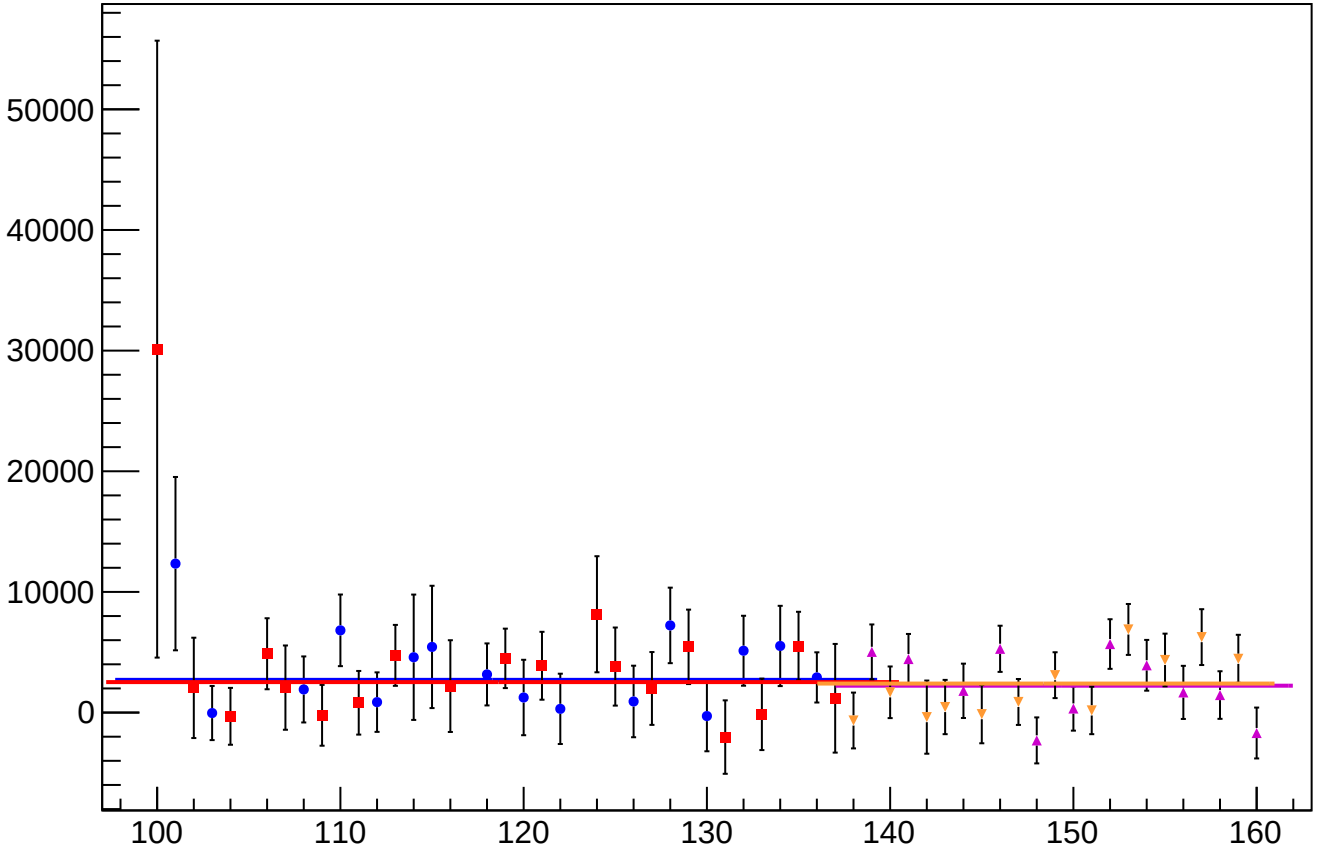
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 941.286+/-0.167 χ^2/NDF:1649951.7/26

Out: 922.543+/-0.164 χ^2/NDF:1879132.2/30

All: 931.705+/-0.117 χ^2/NDF: 3535501.0/57

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: 2227.392+/-618.003 χ^2/NDF:19.1/10

Left: 2314.597+/-439.122 χ^2/NDF: 34.9/22

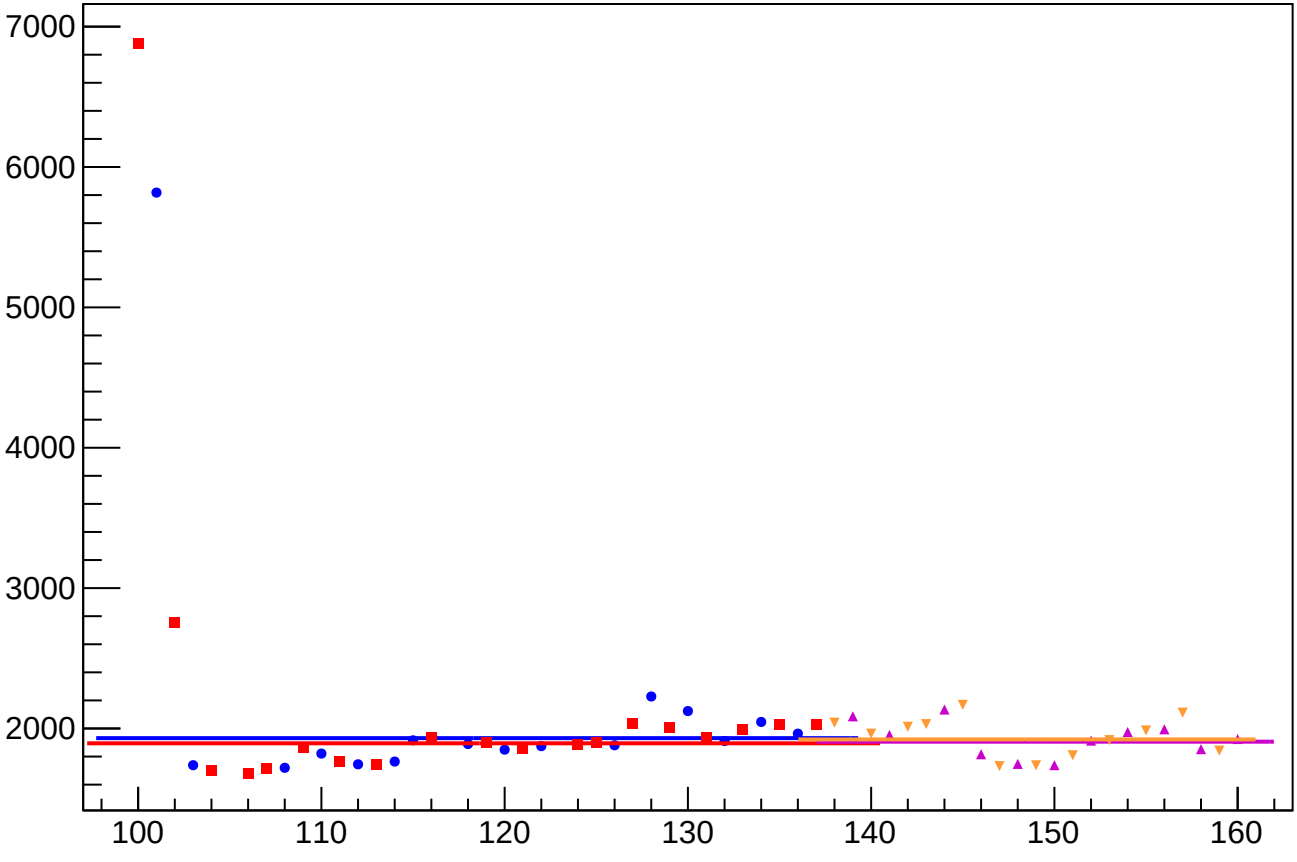
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2427.823+/-473.040 χ^2/NDF:31.5/26

Out: 2457.003+/-467.709 χ^2/NDF:29.0/30

All: 2442.578+/-332.589 χ^2/NDF: 60.5/57

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: 1906.037+/-0.437 χ^2/NDF:76193.6/10

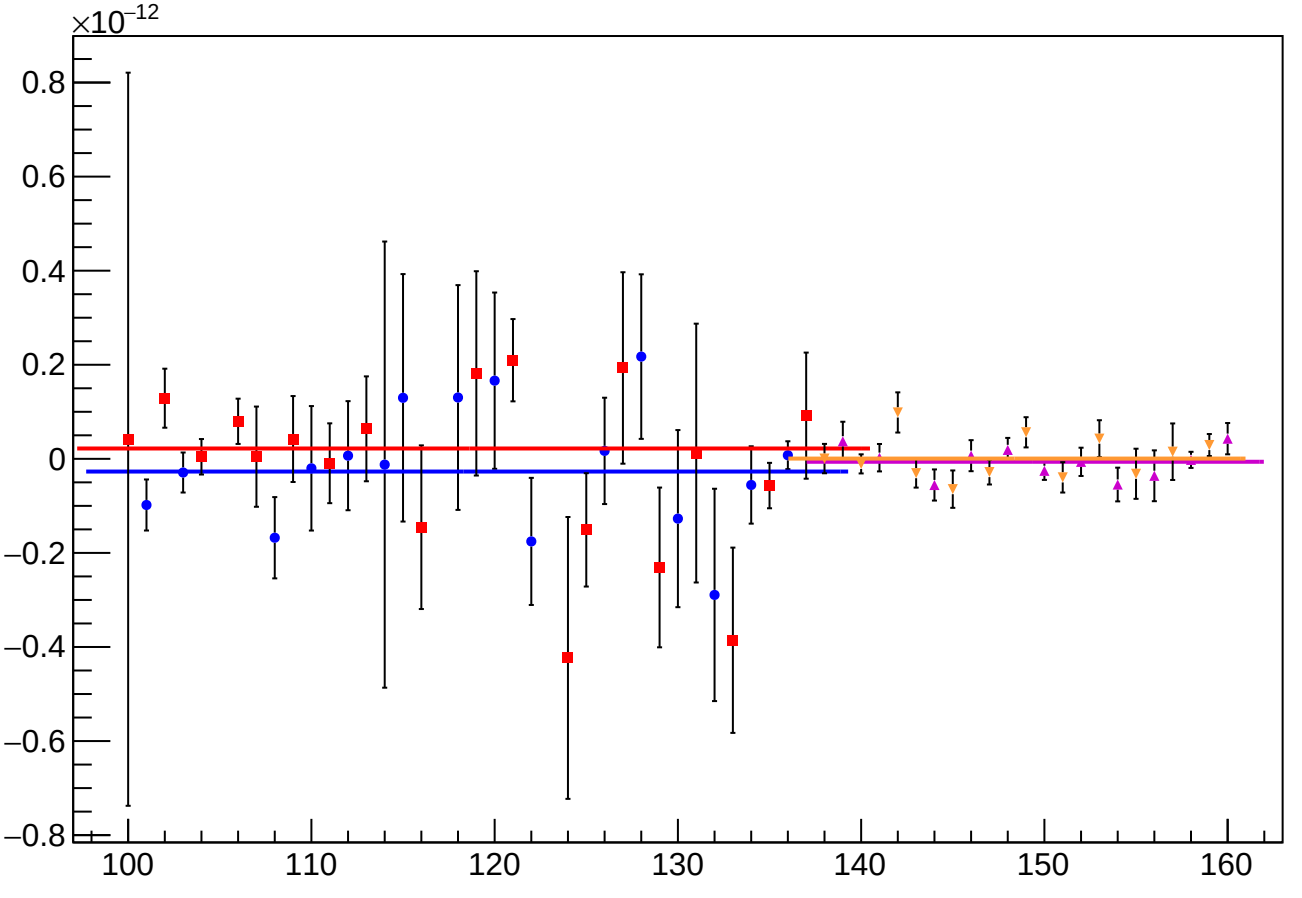
Left: 1913.964+/-0.311 χ^2/NDF: 174146.0/22

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1916.478+/-0.334 χ^2/NDF:738799.1/26

Out: 1909.906+/-0.331 χ^2/NDF:319555.9/30

All: 1913.155+/-0.235 χ^2/NDF: 1058550.2/57



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:9.9/10

Left: -0.000+/-0.000 χ^2/NDF: 28.3/22

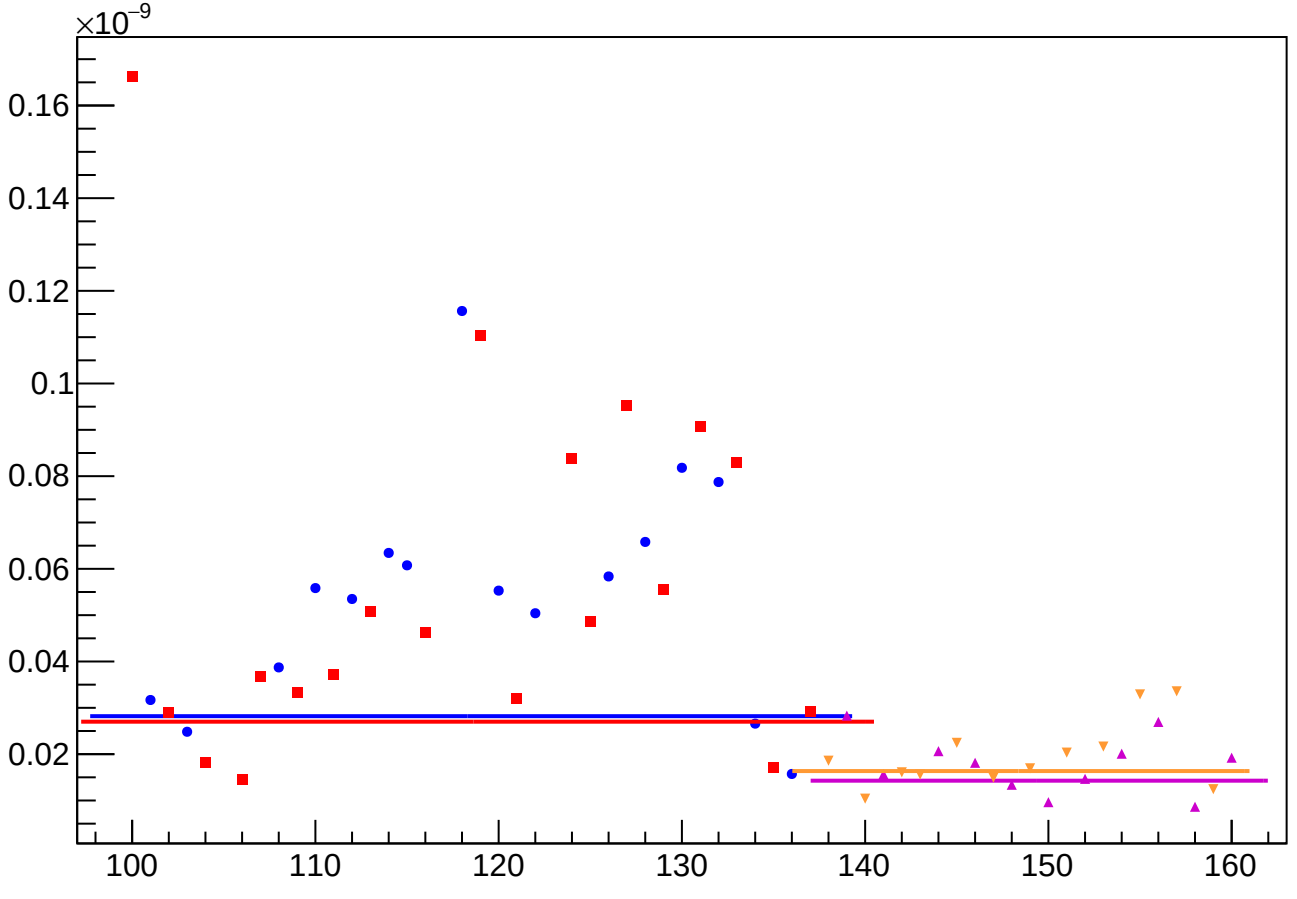
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:23.6/26

Out: 0.000+/-0.000 χ^2/NDF:44.5/30

All: -0.000+/-0.000 χ^2/NDF: 69.7/57

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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:875450.8/10

Left: 0.000+/-0.000 χ^2/NDF: 1649047.4/22

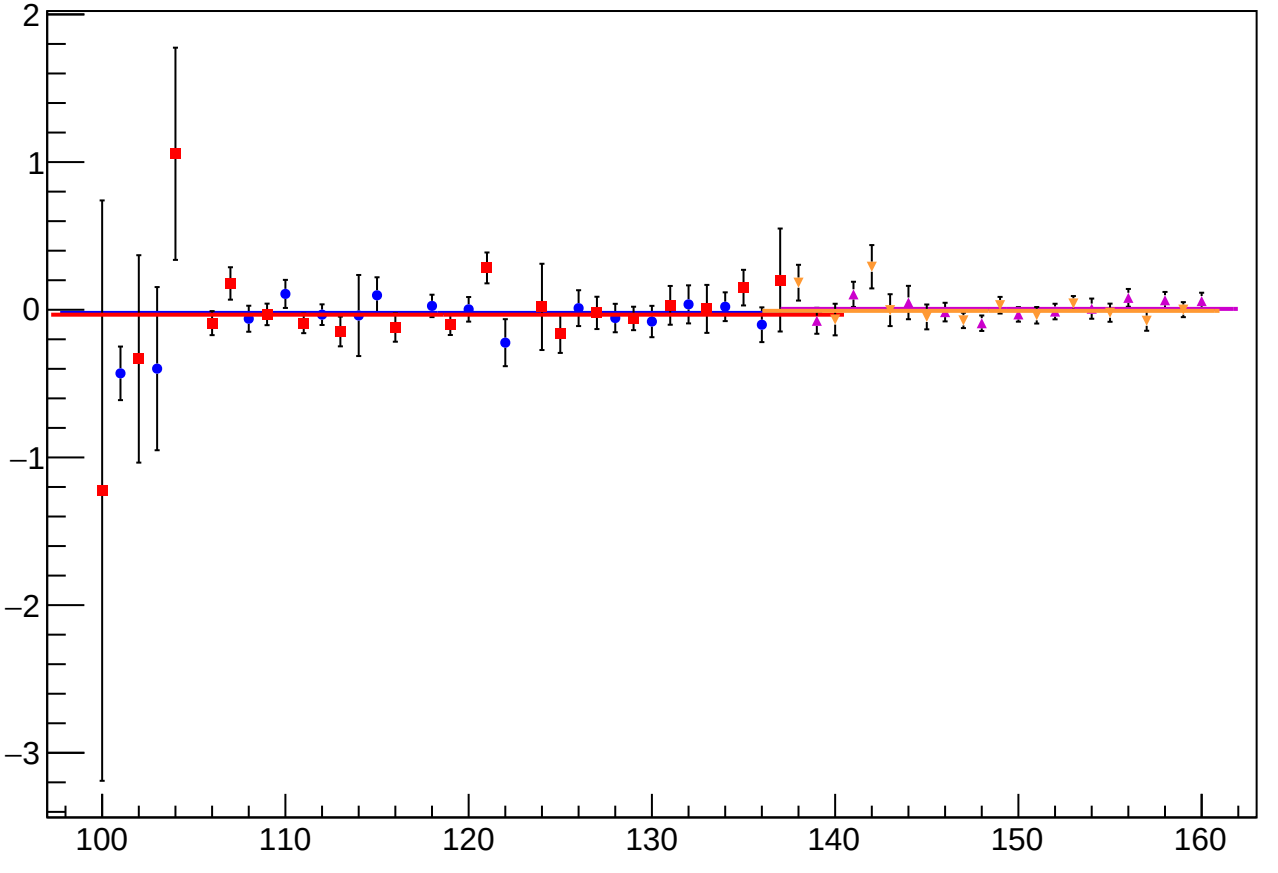
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3253153.3/26

Out: 0.000+/-0.000 χ^2/NDF:2769712.8/30

All: 0.000+/-0.000 χ^2/NDF: 6072638.9/57

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.006+/-0.019 χ^2/NDF:10.1/10

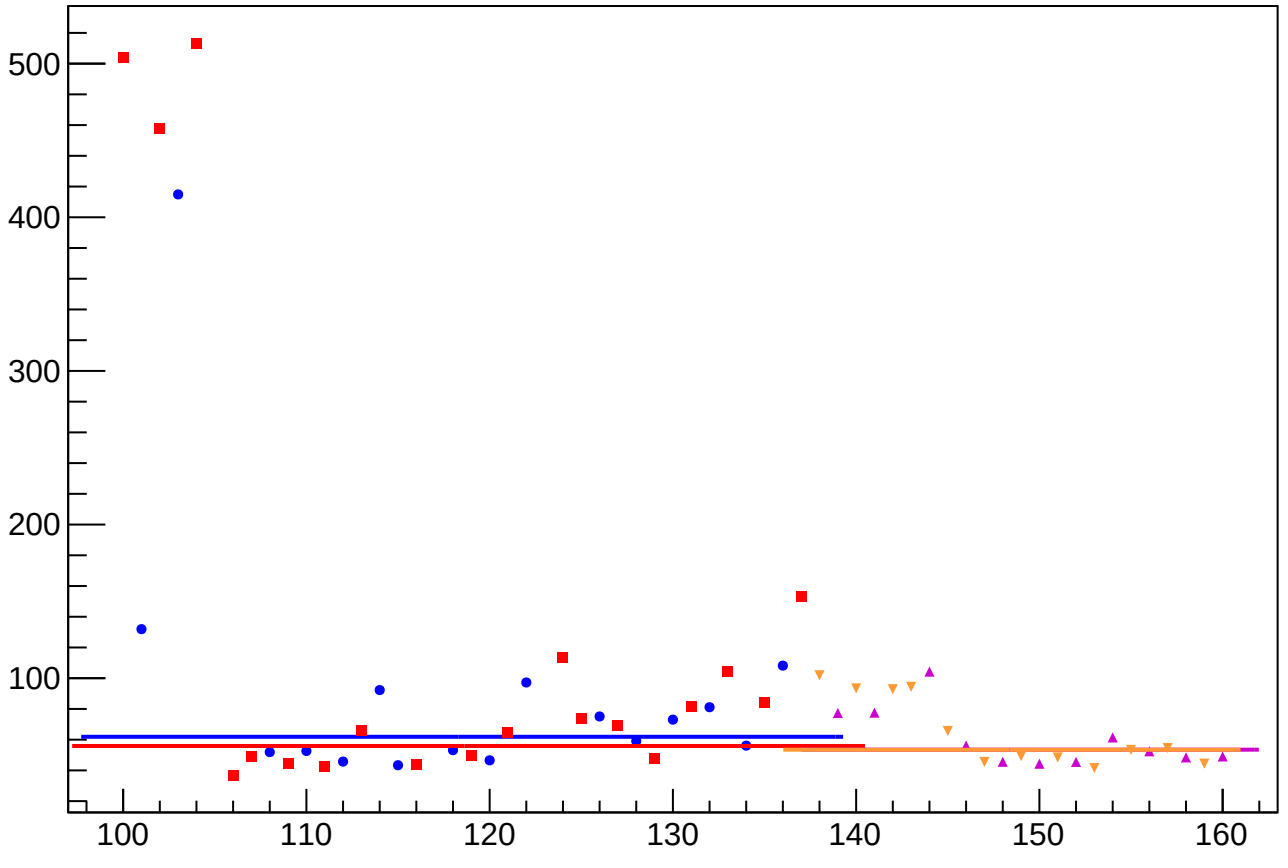
Left: -0.001+/-0.013 χ^2/NDF: 21.8/22

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.017+/-0.015 χ^2/NDF:36.5/30

All: -0.010+/-0.011 χ^2/NDF: 59.7/57



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: 53.489+/-0.013 χ^2/NDF:930016.5/10

Left: 53.469+/-0.009 χ^2/NDF: 2253341.5/22

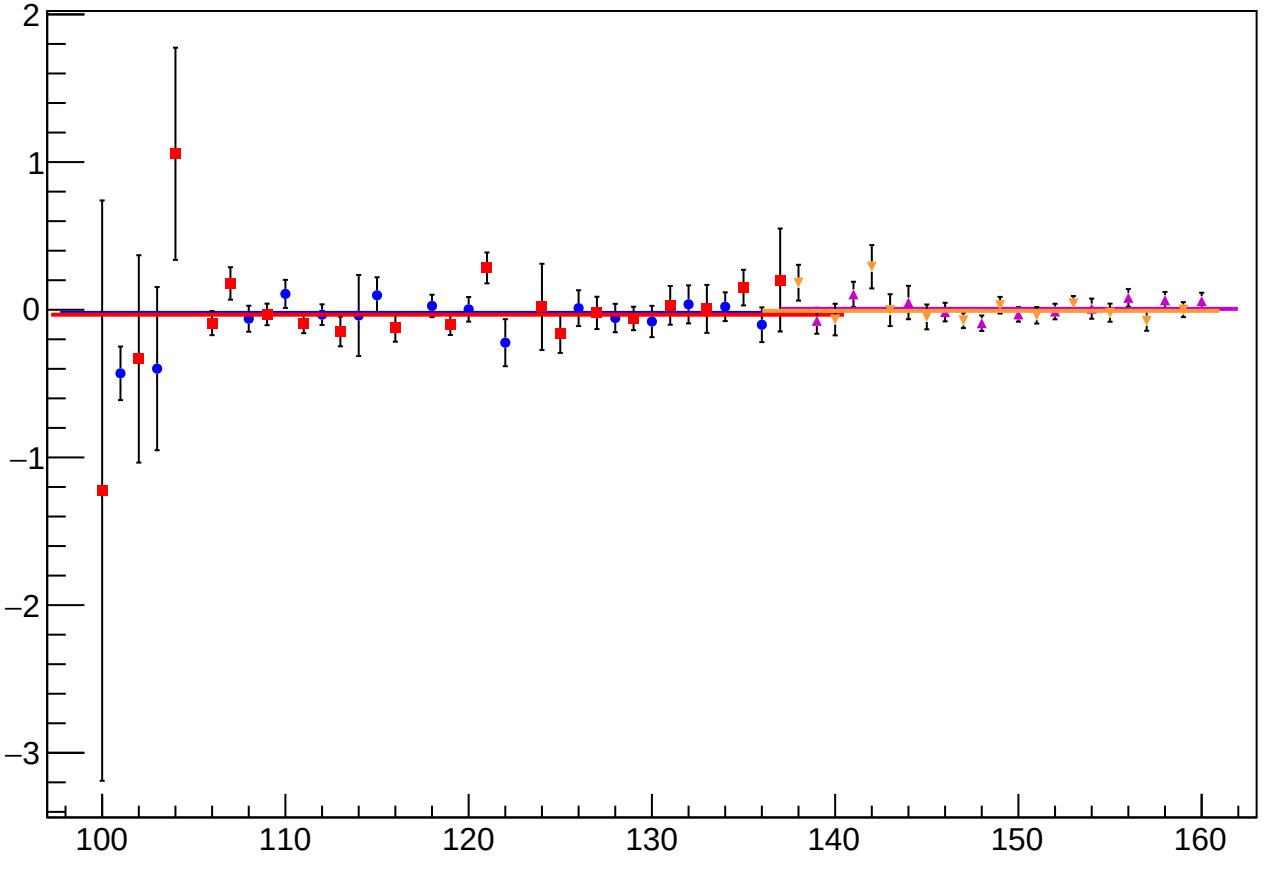
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.273+/-0.011 χ^2/NDF:3001236.2/26

Out: 54.376+/-0.011 χ^2/NDF:3926796.0/30

All: 55.316+/-0.008 χ^2/NDF: 6943553.7/57

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.007+/-0.019 χ^2/NDF:11.5/11

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.006+/-0.019 χ^2/NDF:10.1/10

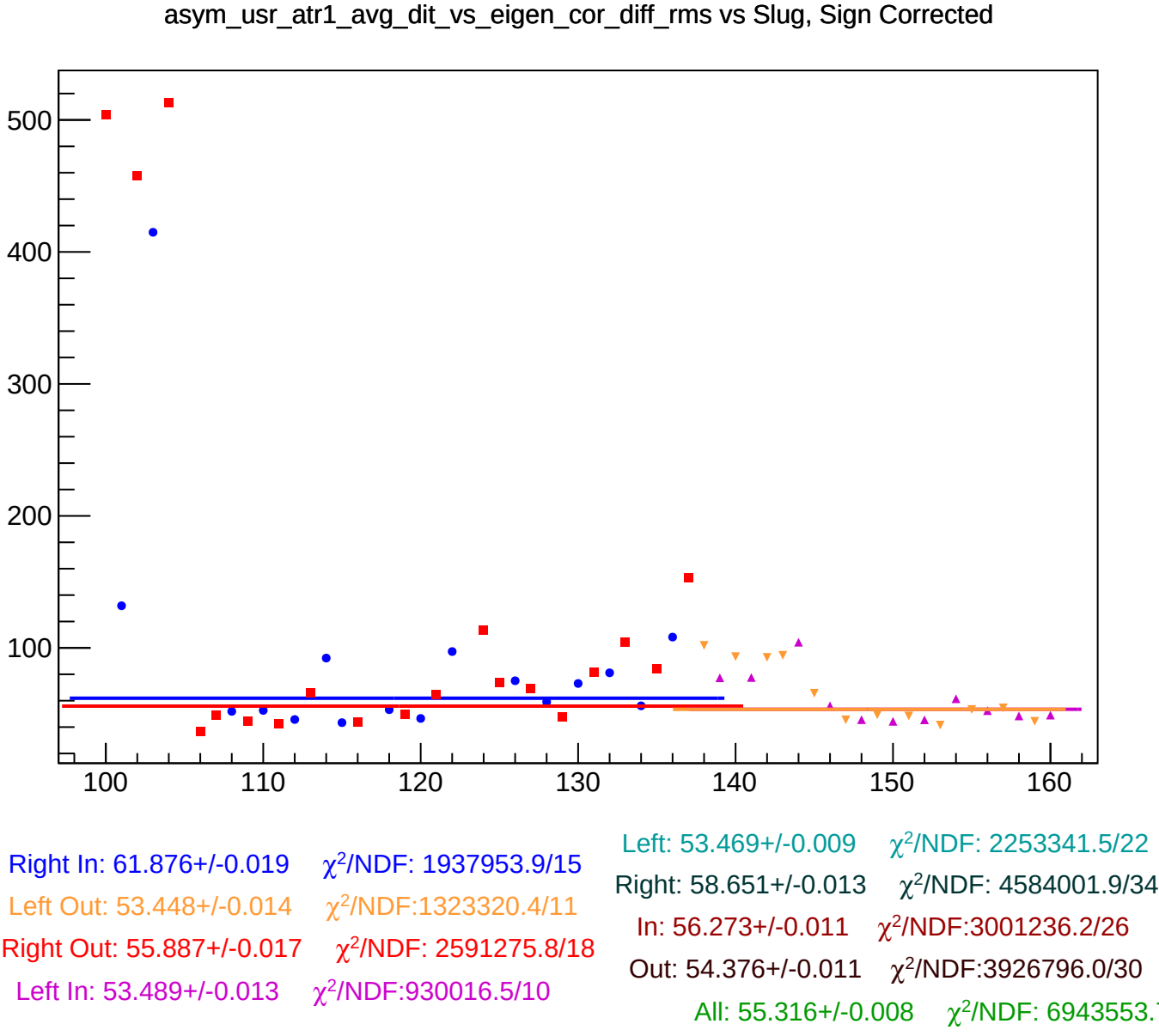
Left: -0.001+/-0.013 χ^2/NDF: 21.8/22

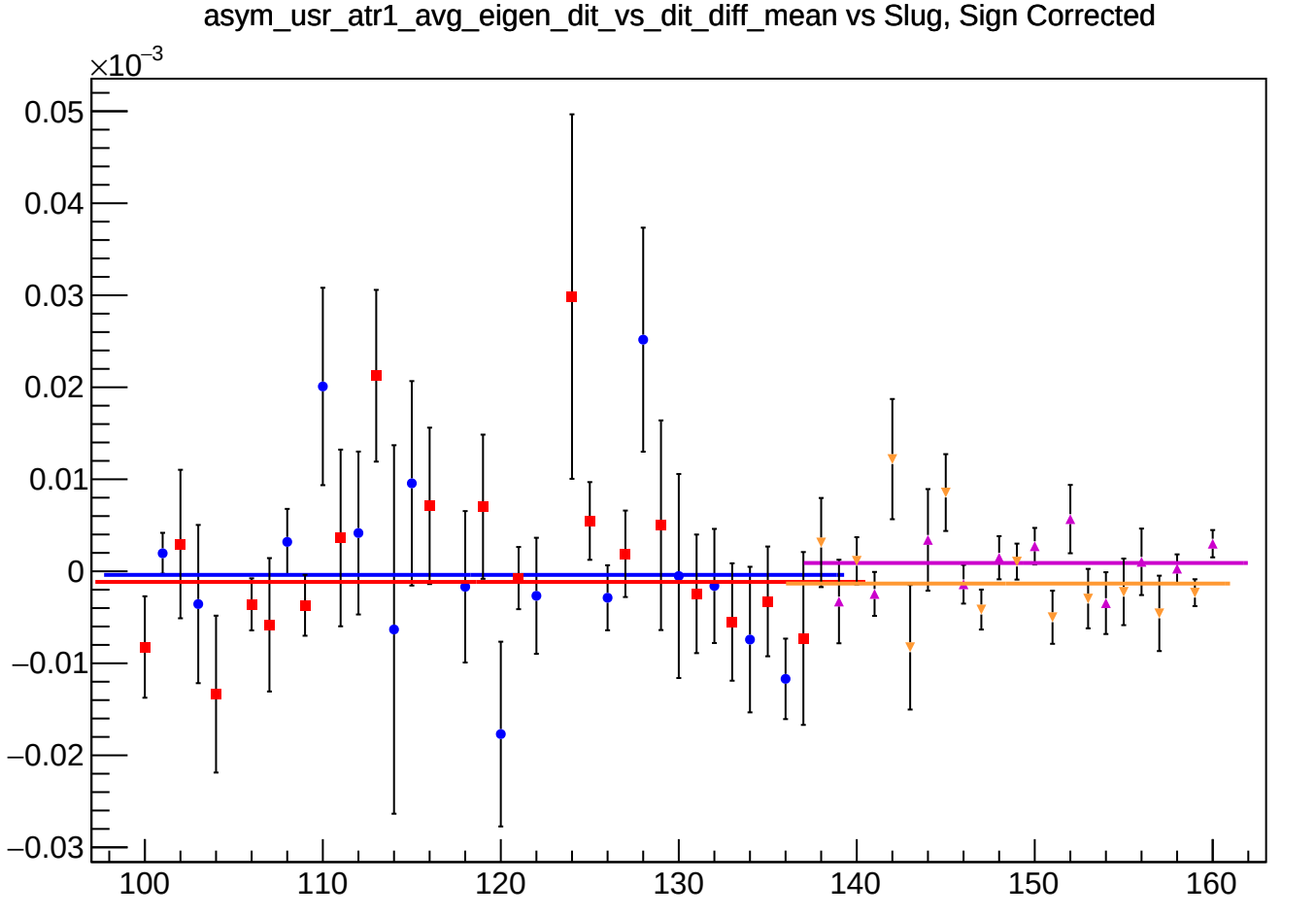
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.017+/-0.015 χ^2/NDF:36.5/30

All: -0.010+/-0.011 χ^2/NDF: 59.7/57


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 53.448+/-0.014 χ²/NDF:1323320.4/11
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 53.489+/-0.013 χ²/NDF:930016.5/10
Left: 53.469+/-0.009 χ²/NDF: 2253341.5/22
Right: 58.651+/-0.013 χ²/NDF: 4584001.9/34
In: 56.273+/-0.011 χ²/NDF:3001236.2/26
Out: 54.376+/-0.011 χ²/NDF:3926796.0/30
All: 55.316+/-0.008 χ²/NDF: 6943553.7/57



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:10.6/10

Left: -0.000+/-0.000 χ^2/NDF: 34.0/22

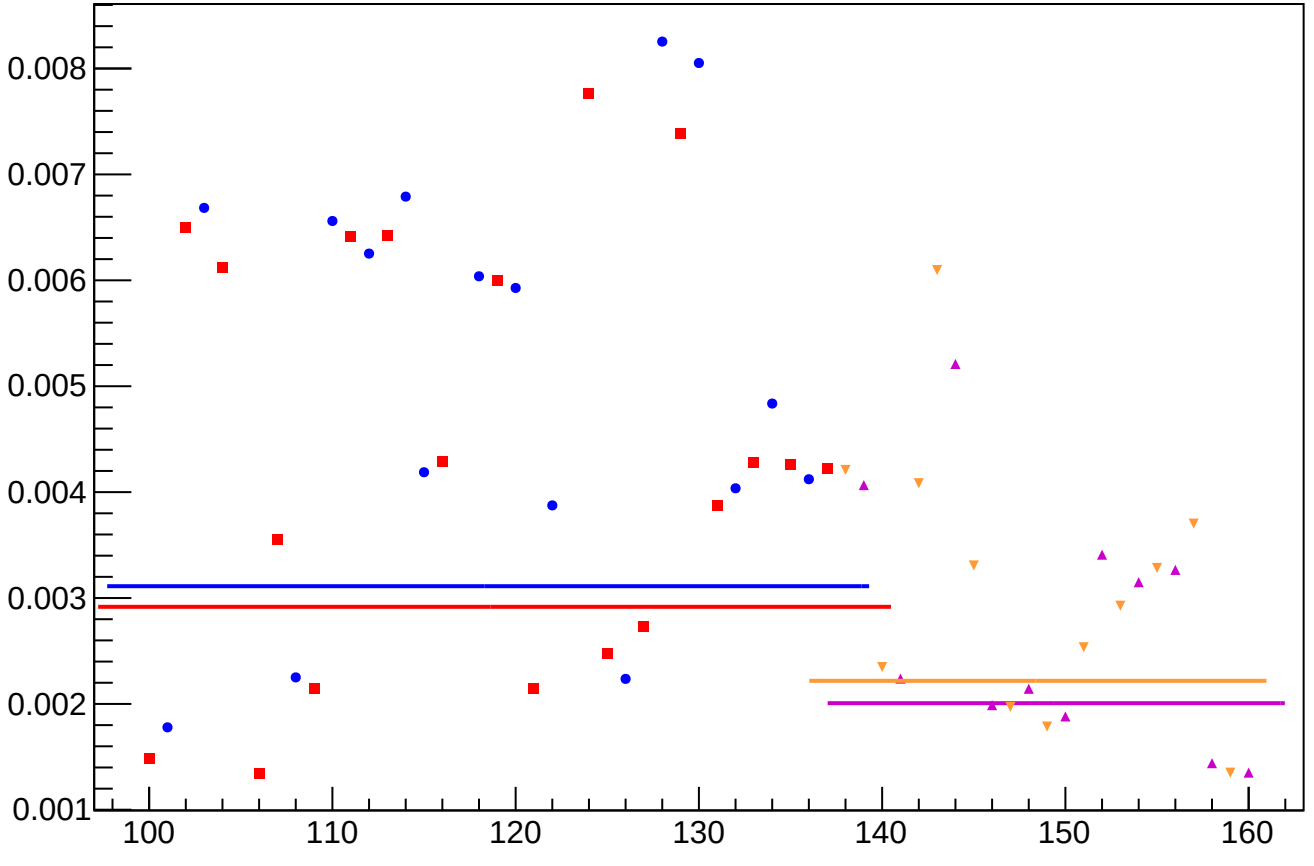
Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.0/26

Out: -0.000+/-0.000 χ^2/NDF:39.4/30

All: -0.000+/-0.000 χ^2/NDF: 77.7/57

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:2535244.4/10

Left: 0.002+/-0.000 χ^2/NDF: 5297428.0/22

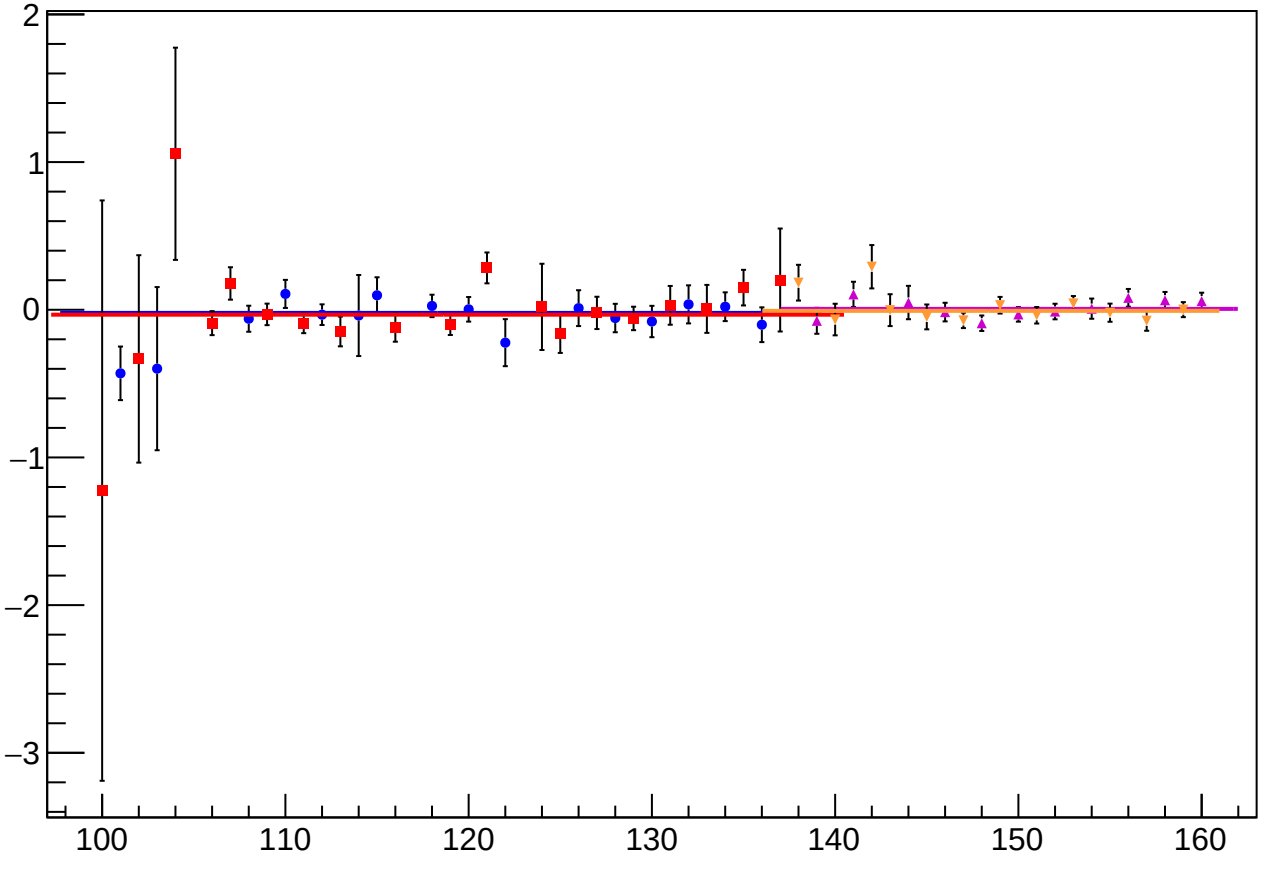
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:6895610.8/26

Out: 0.002+/-0.000 χ^2/NDF:6422588.5/30

All: 0.002+/-0.000 χ^2/NDF: 13387768.1/57

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.006+/-0.019 χ^2/NDF:10.1/10

Left: -0.001+/-0.013 χ^2/NDF: 21.8/22

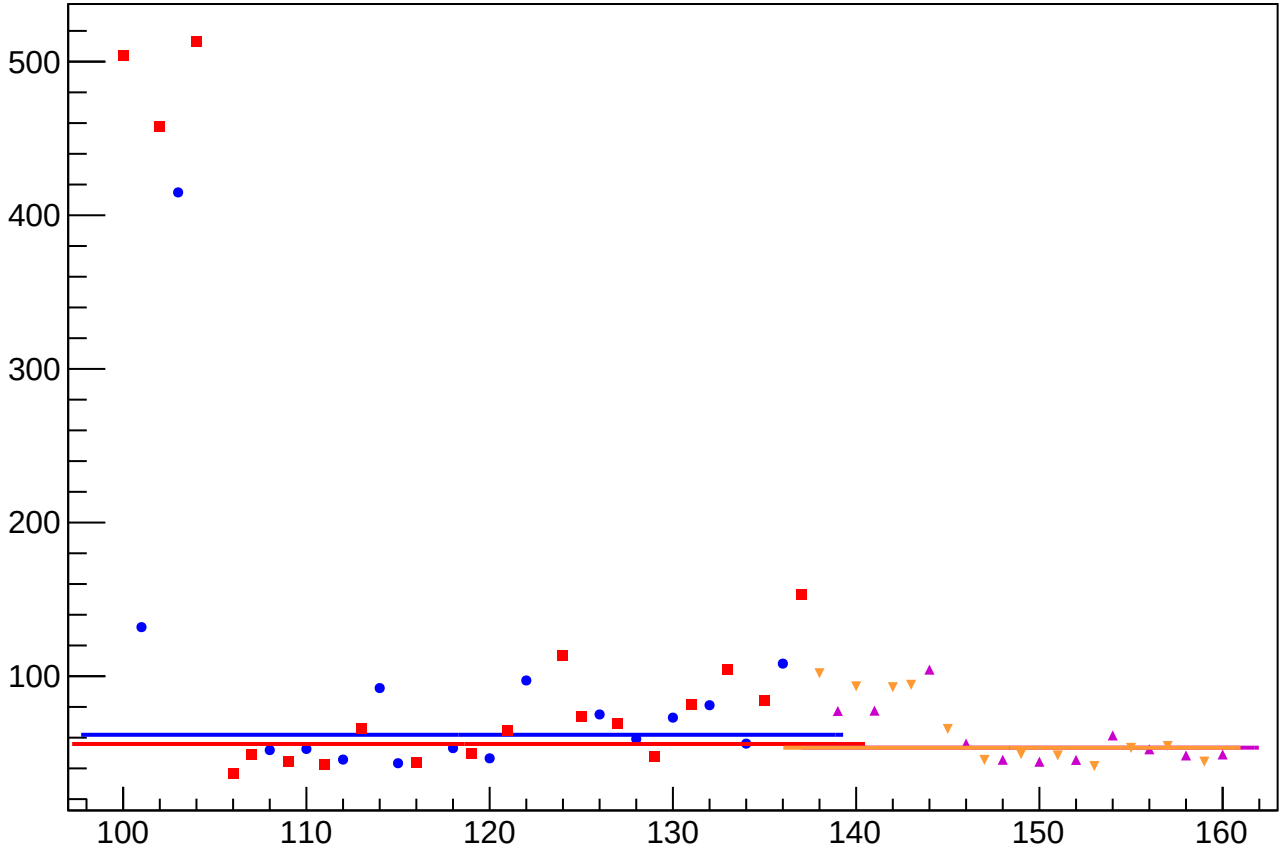
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.017+/-0.015 χ^2/NDF:36.5/30

All: -0.010+/-0.011 χ^2/NDF: 59.7/57

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: 53.489+/-0.013 χ^2/NDF:930001.4/10

Left: 53.469+/-0.009 χ^2/NDF: 2253367.8/22

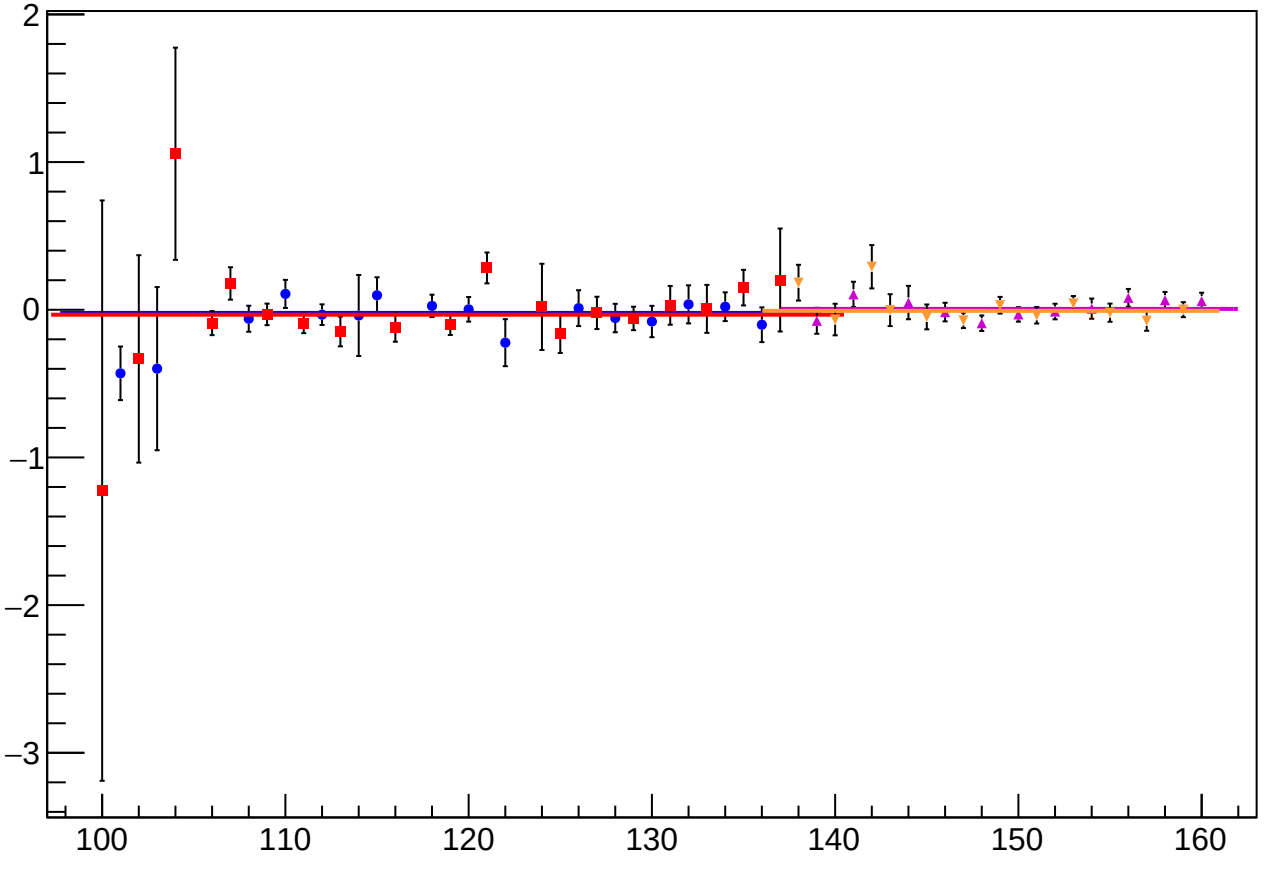
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.273+/-0.011 χ^2/NDF:3001146.8/26

Out: 54.375+/-0.011 χ^2/NDF:3926790.4/30

All: 55.315+/-0.008 χ^2/NDF: 6943465.6/57

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.007+/-0.019 χ^2/NDF:11.5/11

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.006+/-0.019 χ^2/NDF:10.1/10

Left: -0.001+/-0.013 χ^2/NDF: 21.8/22

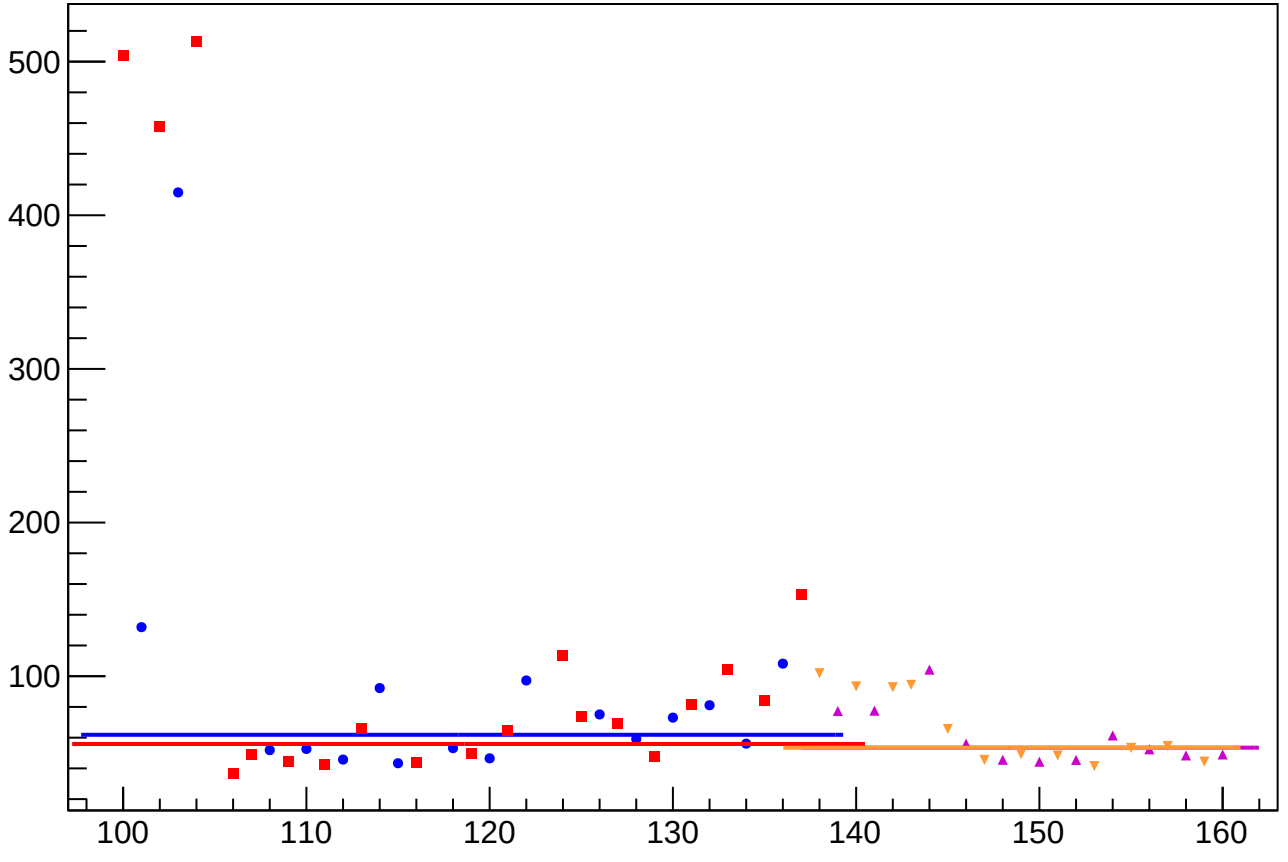
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.017+/-0.015 χ^2/NDF:36.5/30

All: -0.010+/-0.011 χ^2/NDF: 59.7/57

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: 53.489+/-0.013 χ^2/NDF:930001.4/10

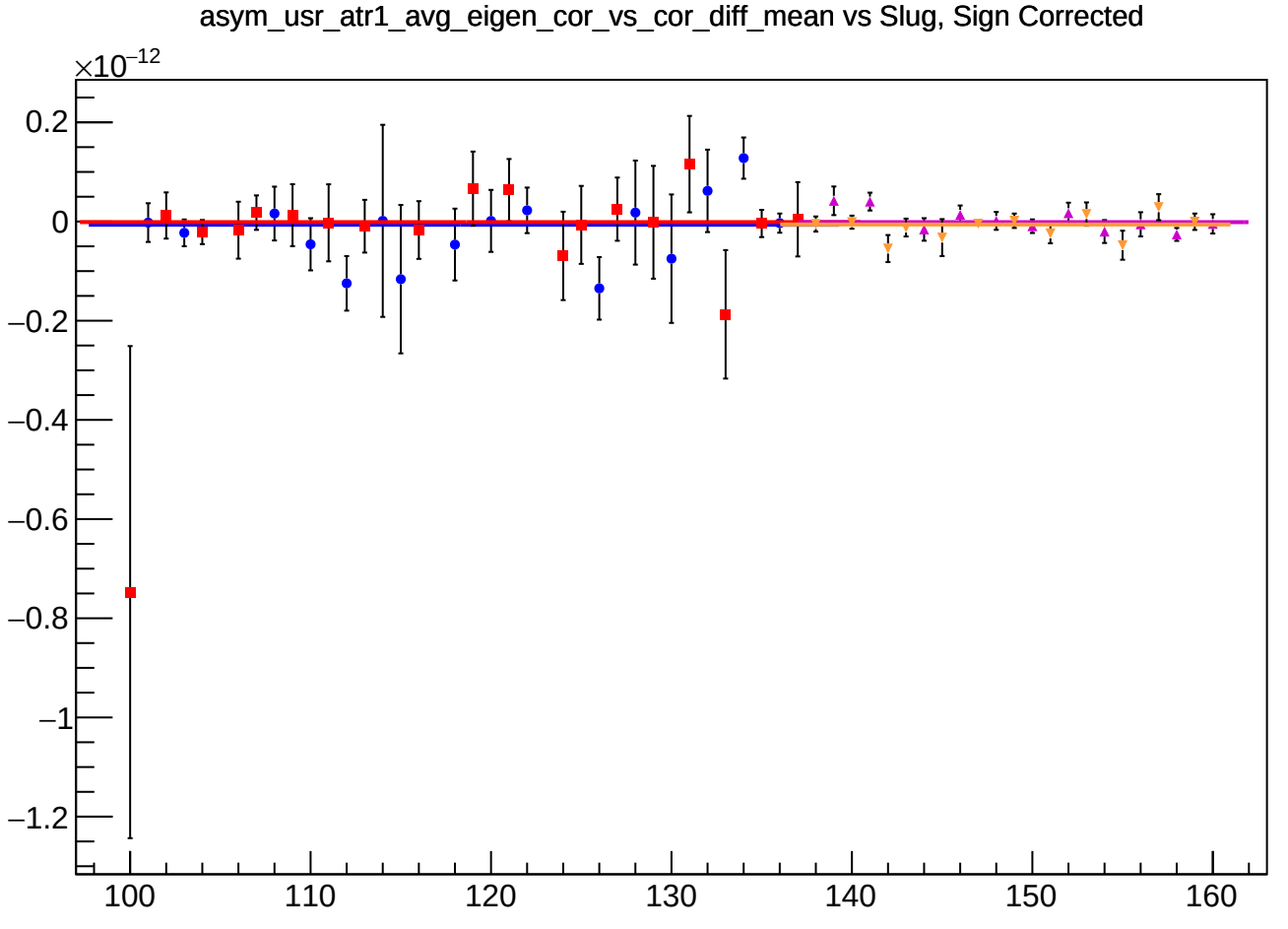
Left: 53.469+/-0.009 χ^2/NDF: 2253367.8/22

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.273+/-0.011 χ^2/NDF:3001146.8/26

Out: 54.375+/-0.011 χ^2/NDF:3926790.4/30

All: 55.315+/-0.008 χ^2/NDF: 6943465.6/57



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:14.0/10

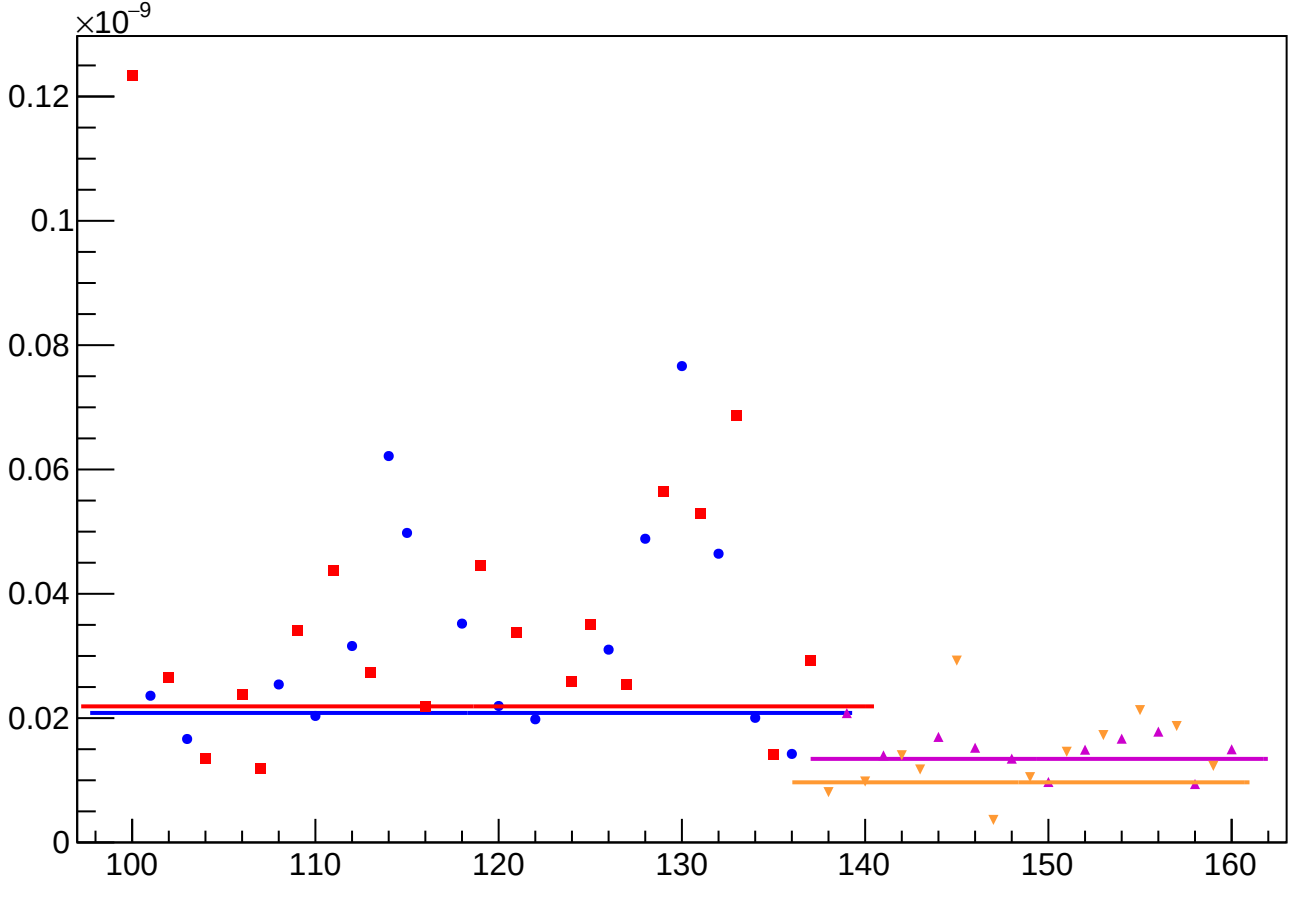
Left: -0.000+/-0.000 χ^2/NDF: 24.2/22

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:36.8/26

Out: -0.000+/-0.000 χ^2/NDF:19.6/30

All: -0.000+/-0.000 χ^2/NDF: 56.6/57



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:664949.0/10

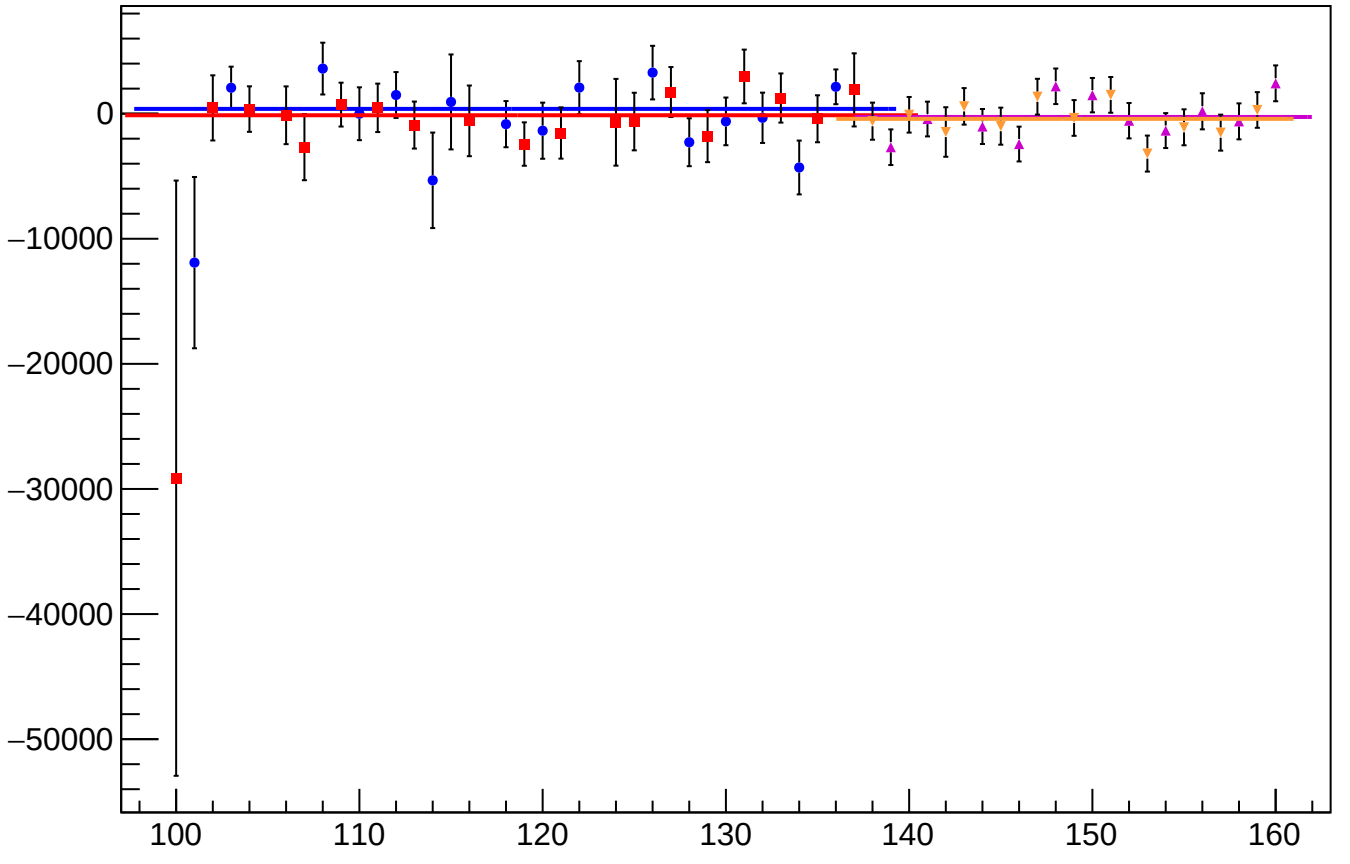
Left: 0.000+/-0.000 χ^2/NDF: 3841145.7/22

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2737076.5/26

Out: 0.000+/-0.000 χ^2/NDF:6376072.9/30

All: 0.000+/-0.000 χ^2/NDF: 9688744.5/57



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: -265.339+/-425.423 χ^2/NDF:14.5/10

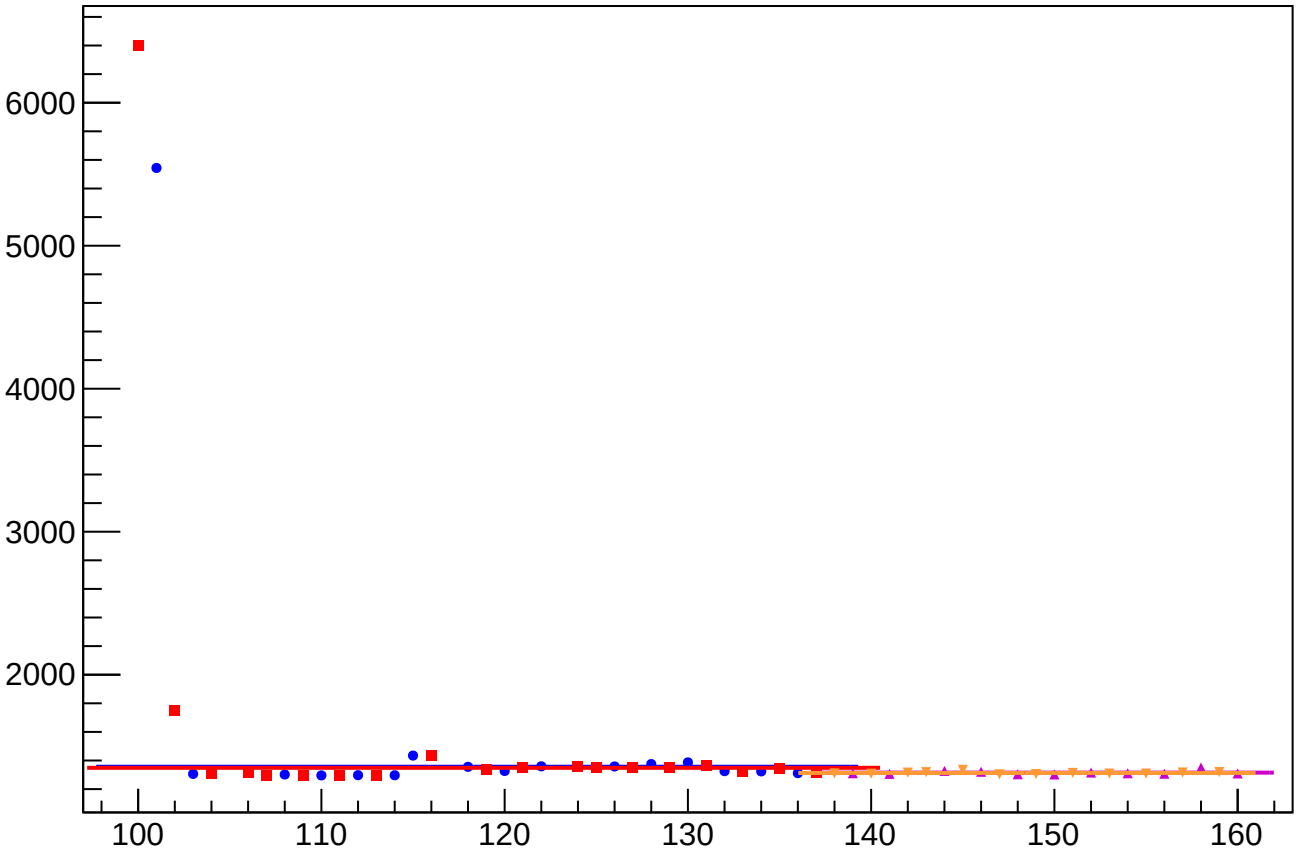
Left: -340.792+/-300.650 χ^2/NDF: 23.7/22

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -4.700+/-328.706 χ^2/NDF:37.0/26

Out: -295.508+/-324.067 χ^2/NDF:19.2/30

All: -152.170+/-230.773 χ^2/NDF: 56.6/57



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: 1315.303+/-0.301 χ^2/NDF:1945.8/10

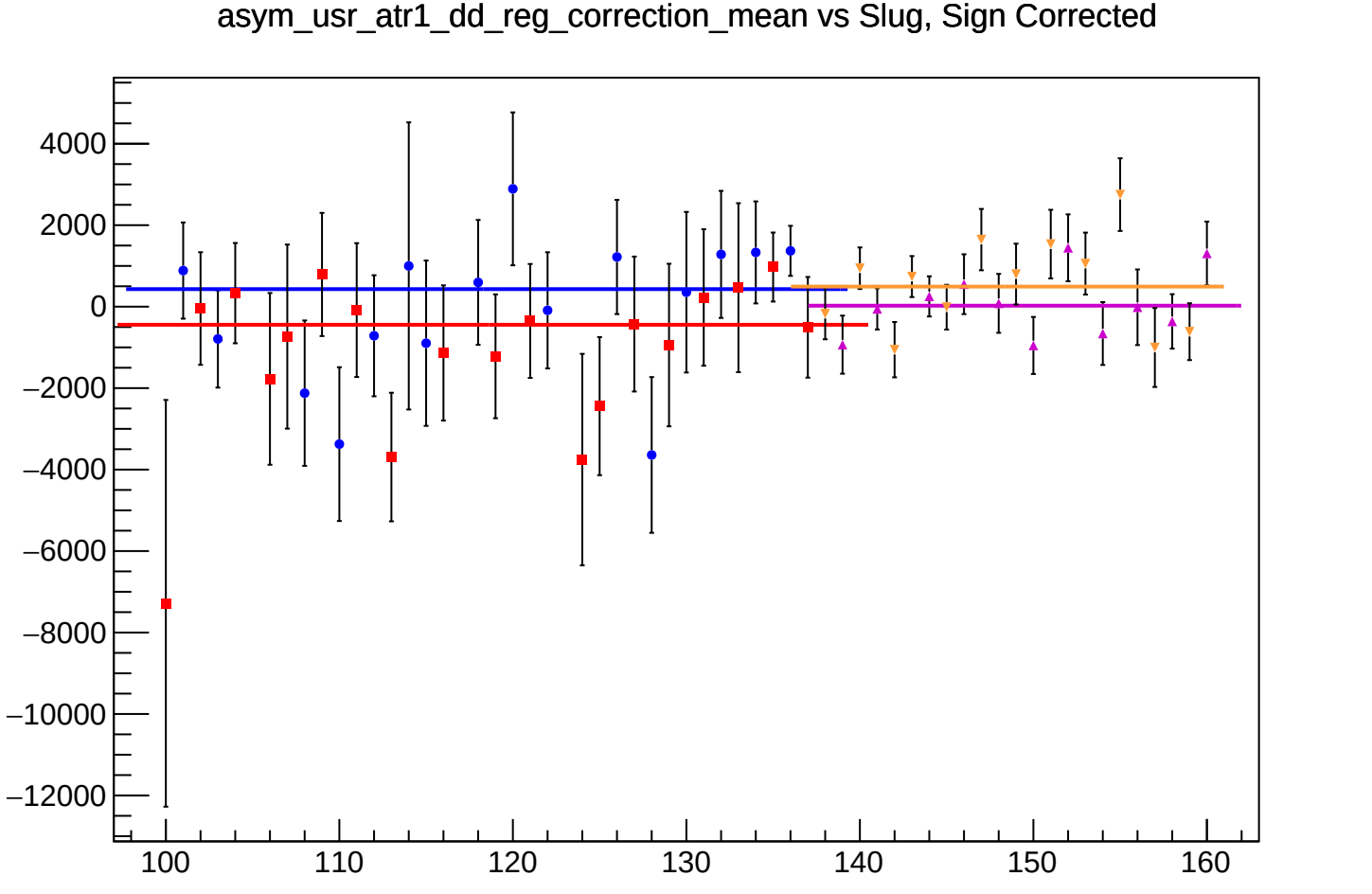
Left: 1314.237+/-0.213 χ^2/NDF: 2691.0/22

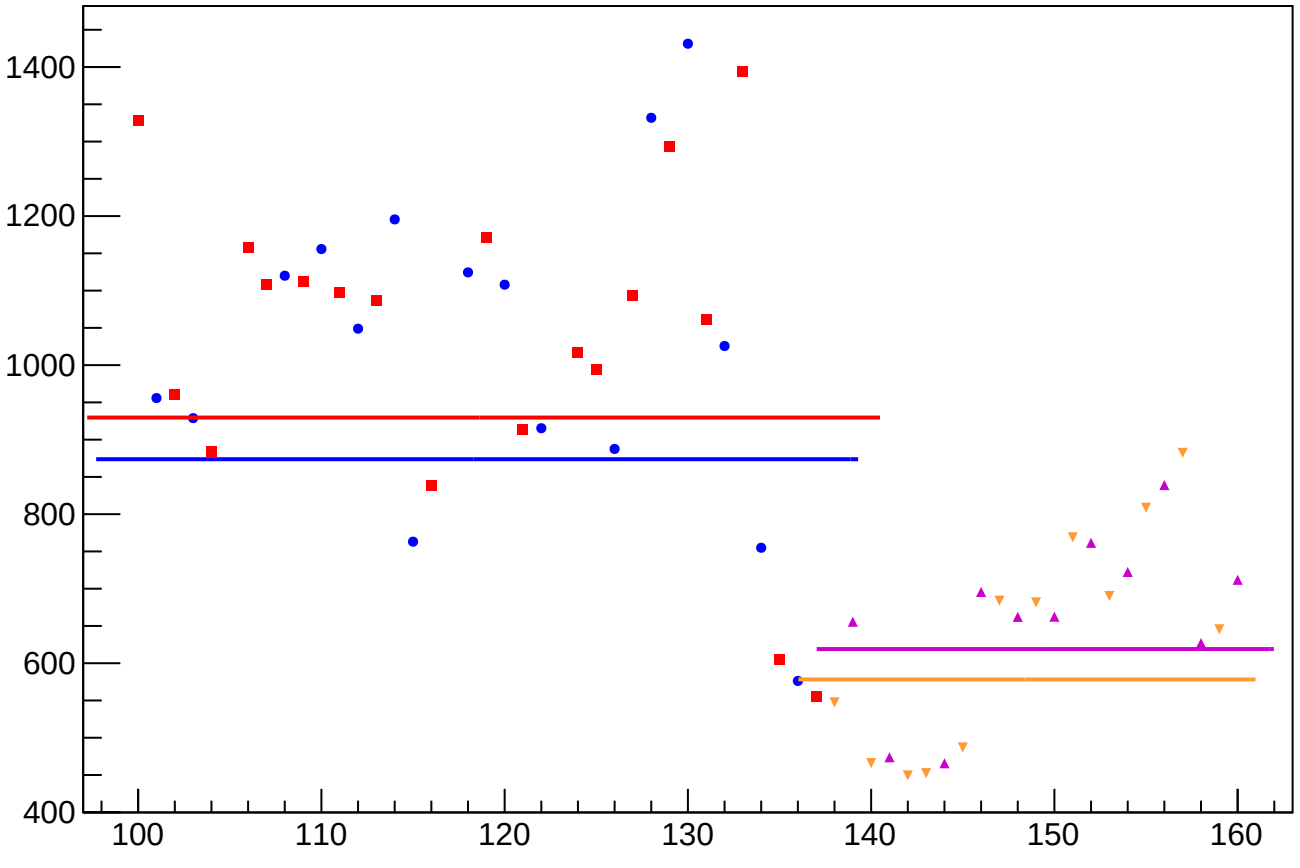
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1331.864+/-0.232 χ^2/NDF:769732.6/26

Out: 1328.153+/-0.229 χ^2/NDF:153926.0/30

All: 1329.982+/-0.163 χ^2/NDF: 923787.9/57


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 492.965+/-192.999 χ²/NDF:24.1/11
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: 23.694+/-204.158 χ²/NDF:11.3/10
Left: 271.505+/-140.250 χ²/NDF: 38.2/22
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 132.185+/-174.817 χ²/NDF:30.6/26
Out: 279.635+/-169.625 χ²/NDF:43.8/30
All: 208.132+/-121.737 χ²/NDF: 74.8/57



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: 619.011+/-0.144 χ^2/NDF:637191.5/10

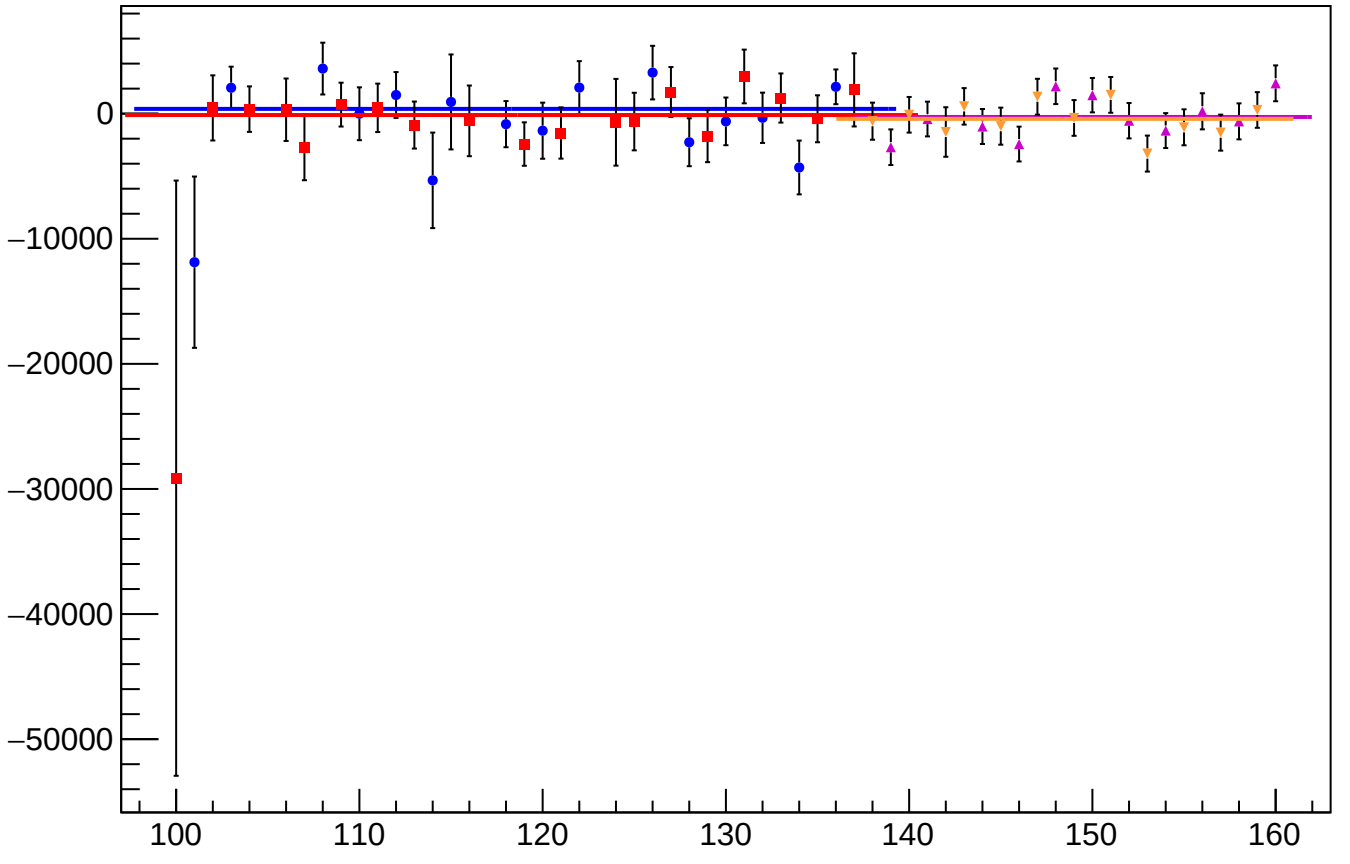
Left: 597.460+/-0.099 χ^2/NDF: 1604938.7/22

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 686.966+/-0.124 χ^2/NDF:2482632.1/26

Out: 658.169+/-0.120 χ^2/NDF:3294461.2/30

All: 672.134+/-0.086 χ^2/NDF: 5805045.2/57



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: -265.347+/-425.423 χ^2/NDF:14.5/10

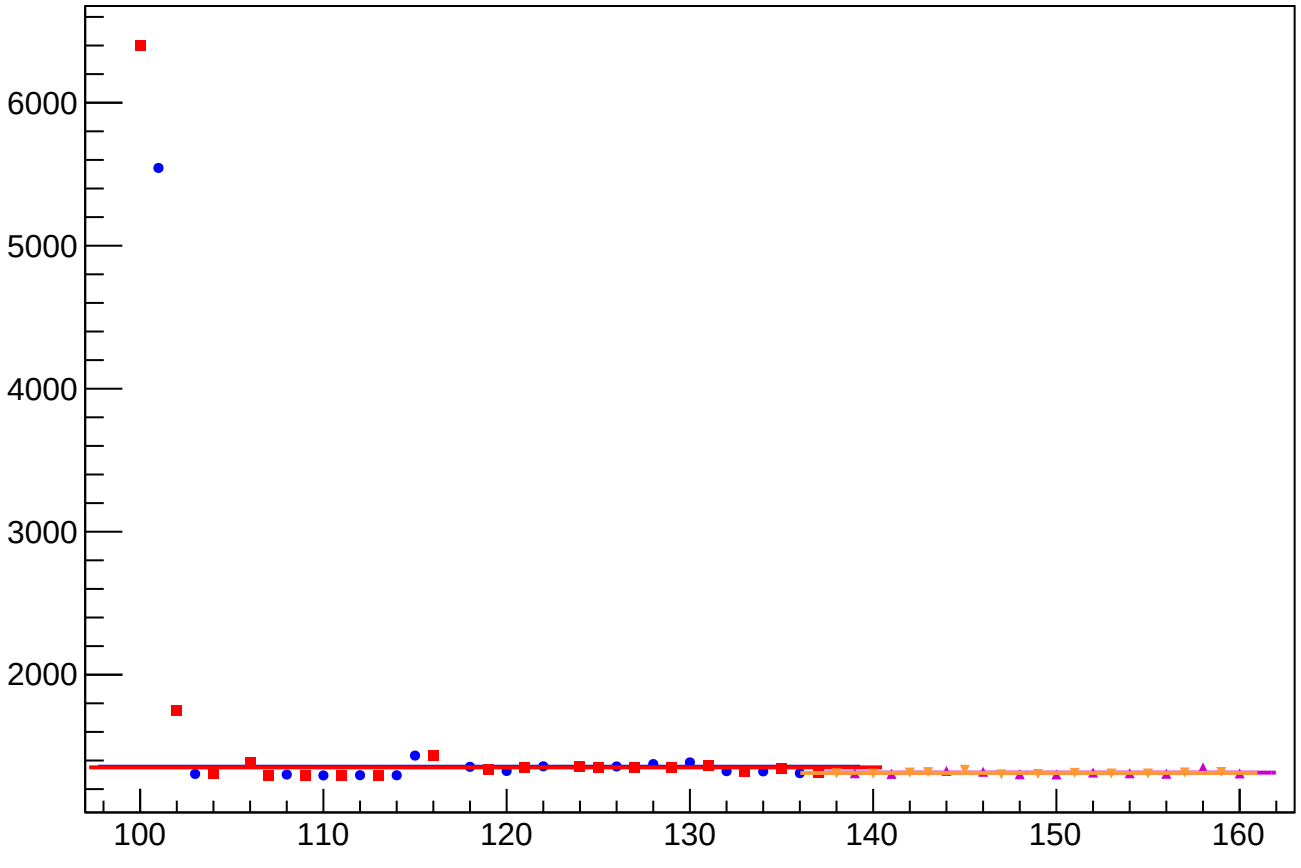
Left: -340.836+/-300.650 χ^2/NDF: 23.7/22

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -4.580+/-328.706 χ^2/NDF:37.0/26

Out: -288.677+/-324.528 χ^2/NDF:19.3/30

All: -148.445+/-230.939 χ^2/NDF: 56.6/57



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: 1315.303+/-0.301 χ^2/NDF:1945.8/10

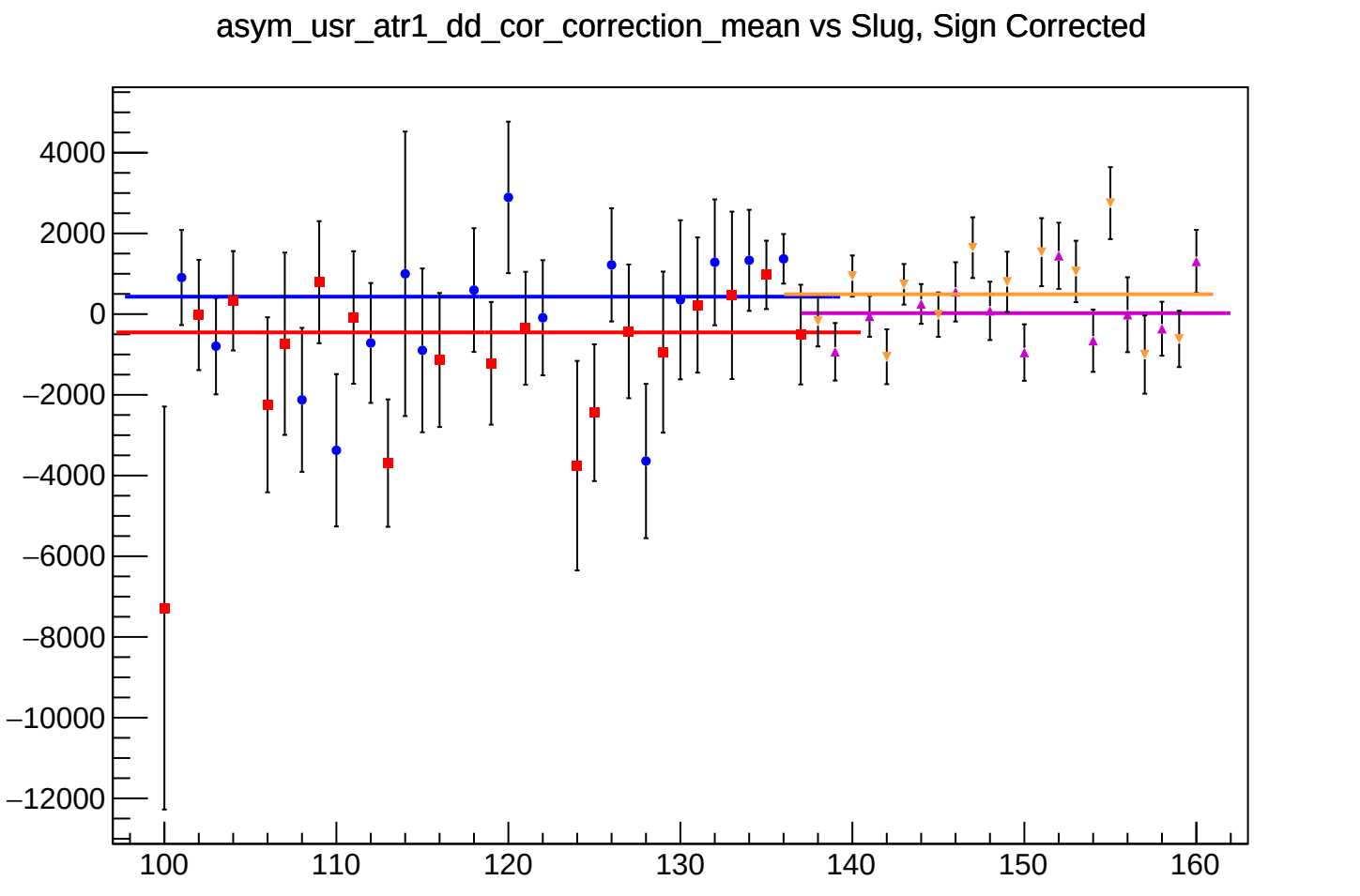
Left: 1314.237+/-0.213 χ^2/NDF: 2691.0/22

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1331.864+/-0.232 χ^2/NDF:769731.6/26

Out: 1329.389+/-0.229 χ^2/NDF:155035.5/30

All: 1330.611+/-0.163 χ^2/NDF: 924824.6/57



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: 23.742+/-204.156 χ^2/NDF:11.3/10

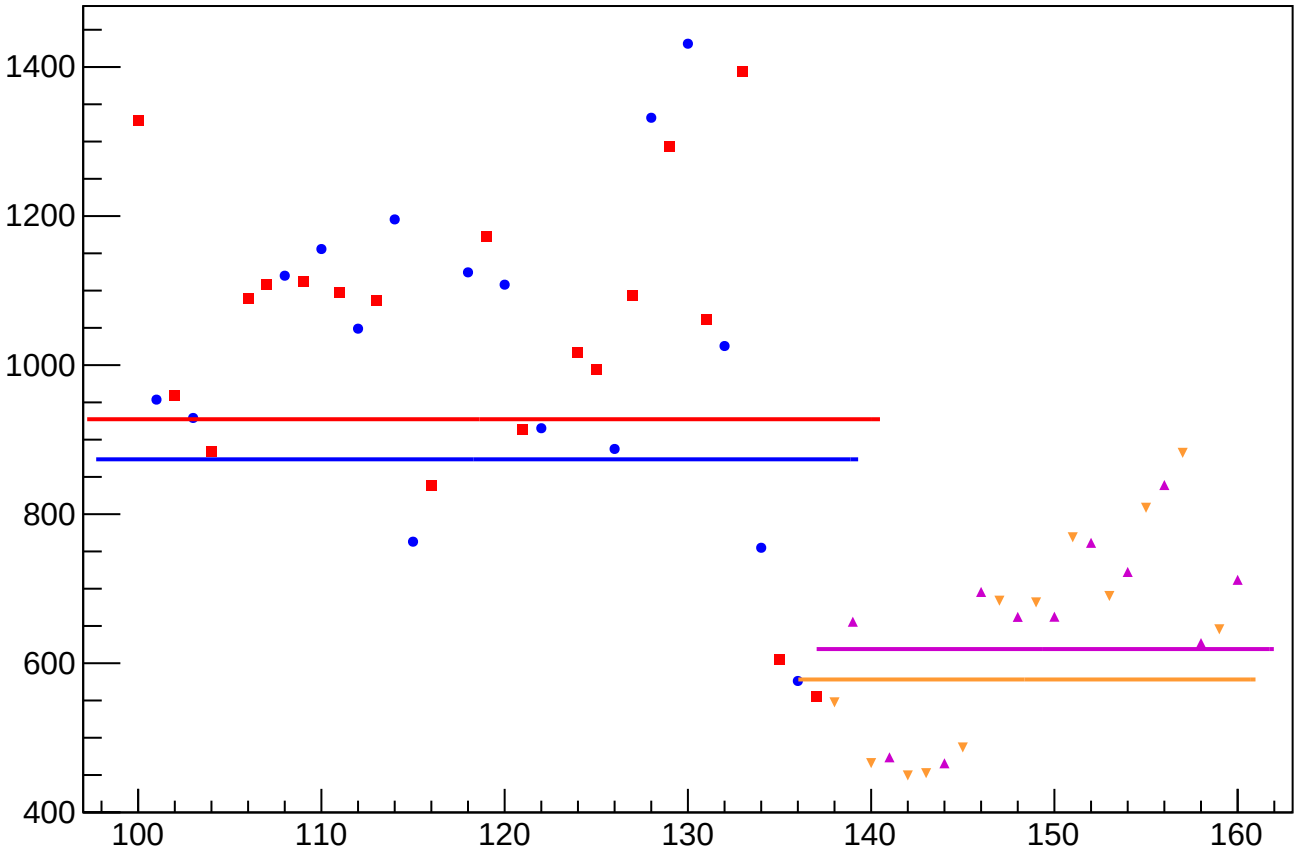
Left: 271.485+/-140.250 χ^2/NDF: 38.2/22

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 132.718+/-174.808 χ^2/NDF:30.6/26

Out: 277.651+/-169.626 χ^2/NDF:44.2/30

All: 207.364+/-121.735 χ^2/NDF: 75.2/57



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: 619.004+/-0.144 χ^2/NDF:637245.2/10

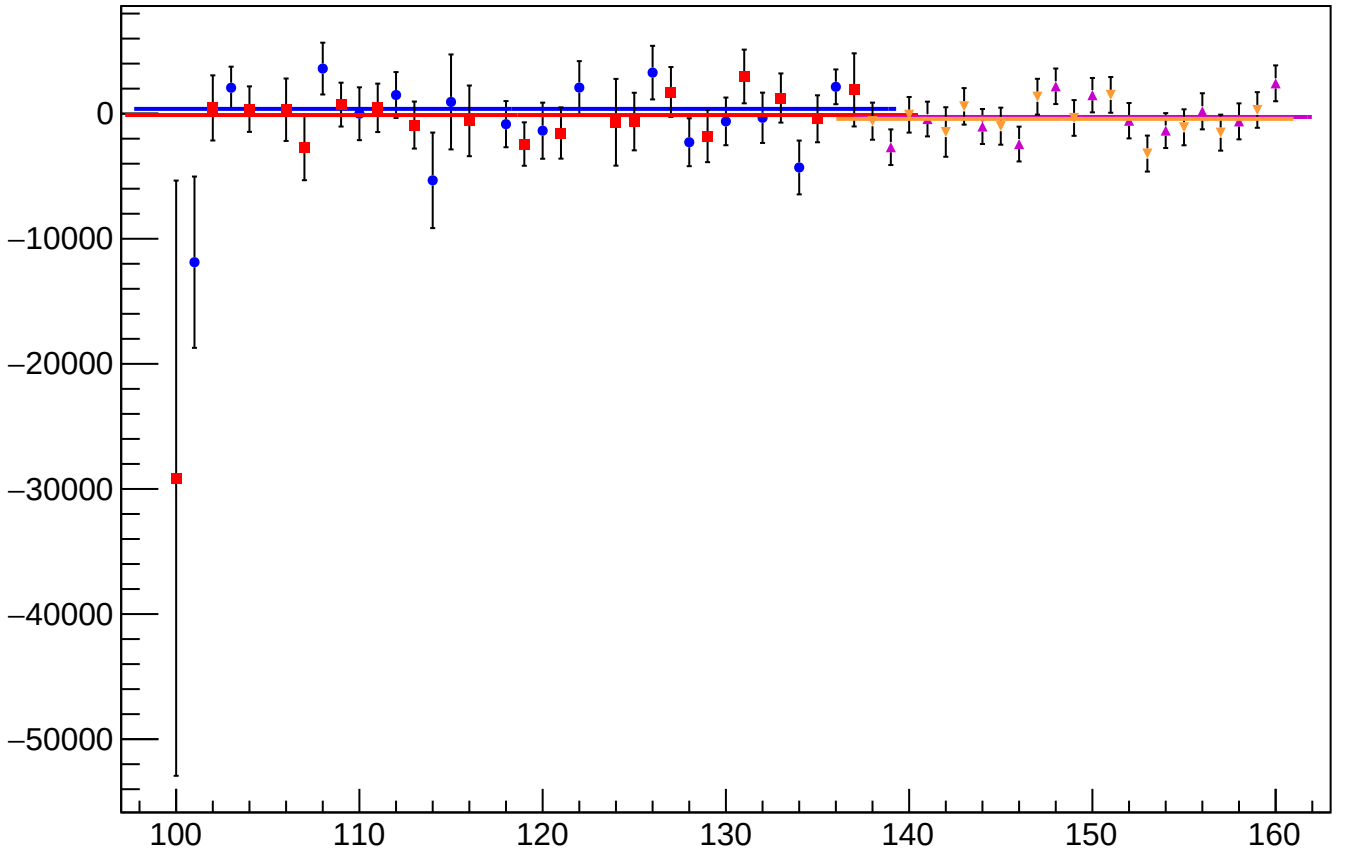
Left: 597.458+/-0.099 χ^2/NDF: 1604929.9/22

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.942+/-0.124 χ^2/NDF:2481665.7/26

Out: 657.663+/-0.120 χ^2/NDF:3262724.3/30

All: 671.862+/-0.086 χ^2/NDF: 5773288.2/57



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: -265.347+/-425.423 χ^2/NDF:14.5/10

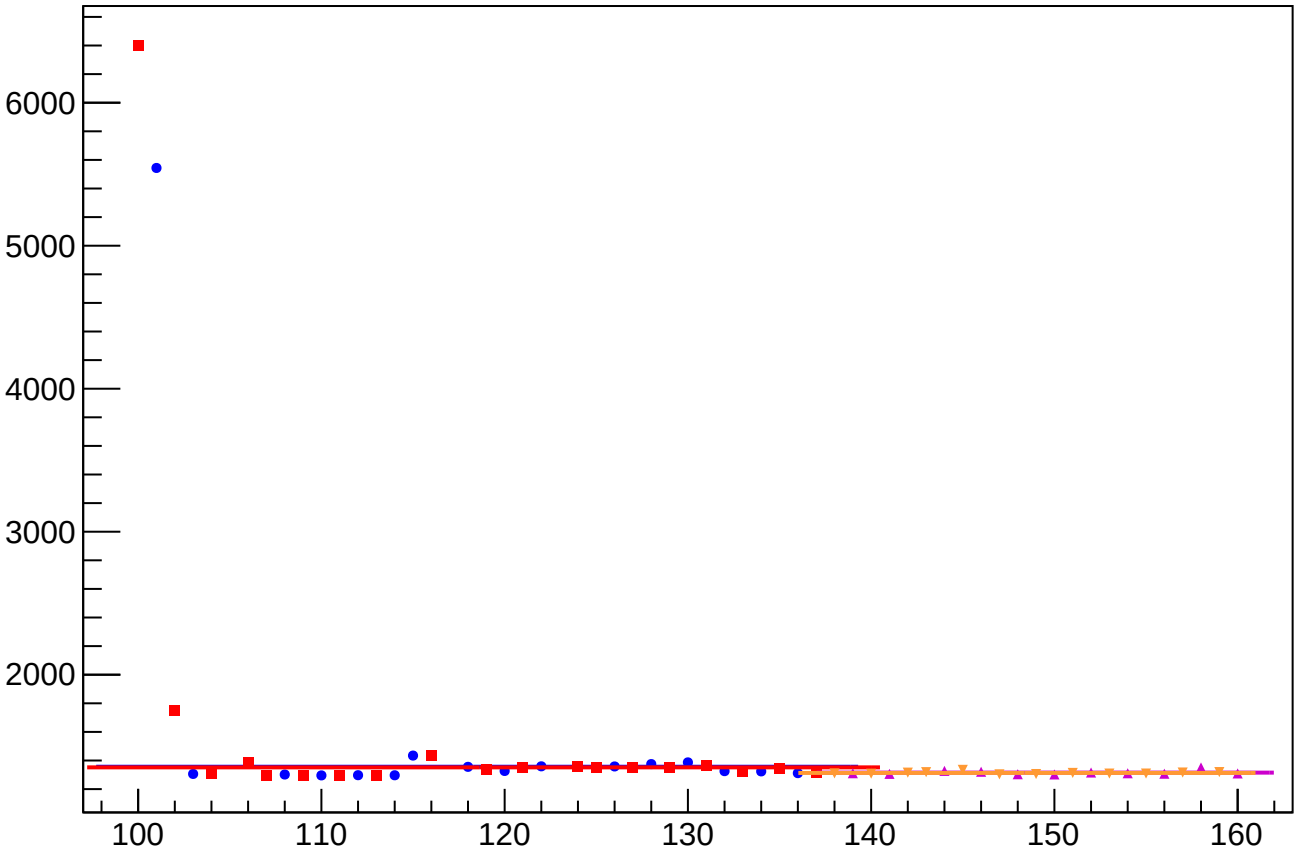
Left: -340.836+/-300.650 χ^2/NDF: 23.7/22

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -4.580+/-328.706 χ^2/NDF:37.0/26

Out: -288.677+/-324.528 χ^2/NDF:19.3/30

All: -148.445+/-230.939 χ^2/NDF: 56.6/57



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: 1315.303+/-0.301 χ^2/NDF:1945.8/10

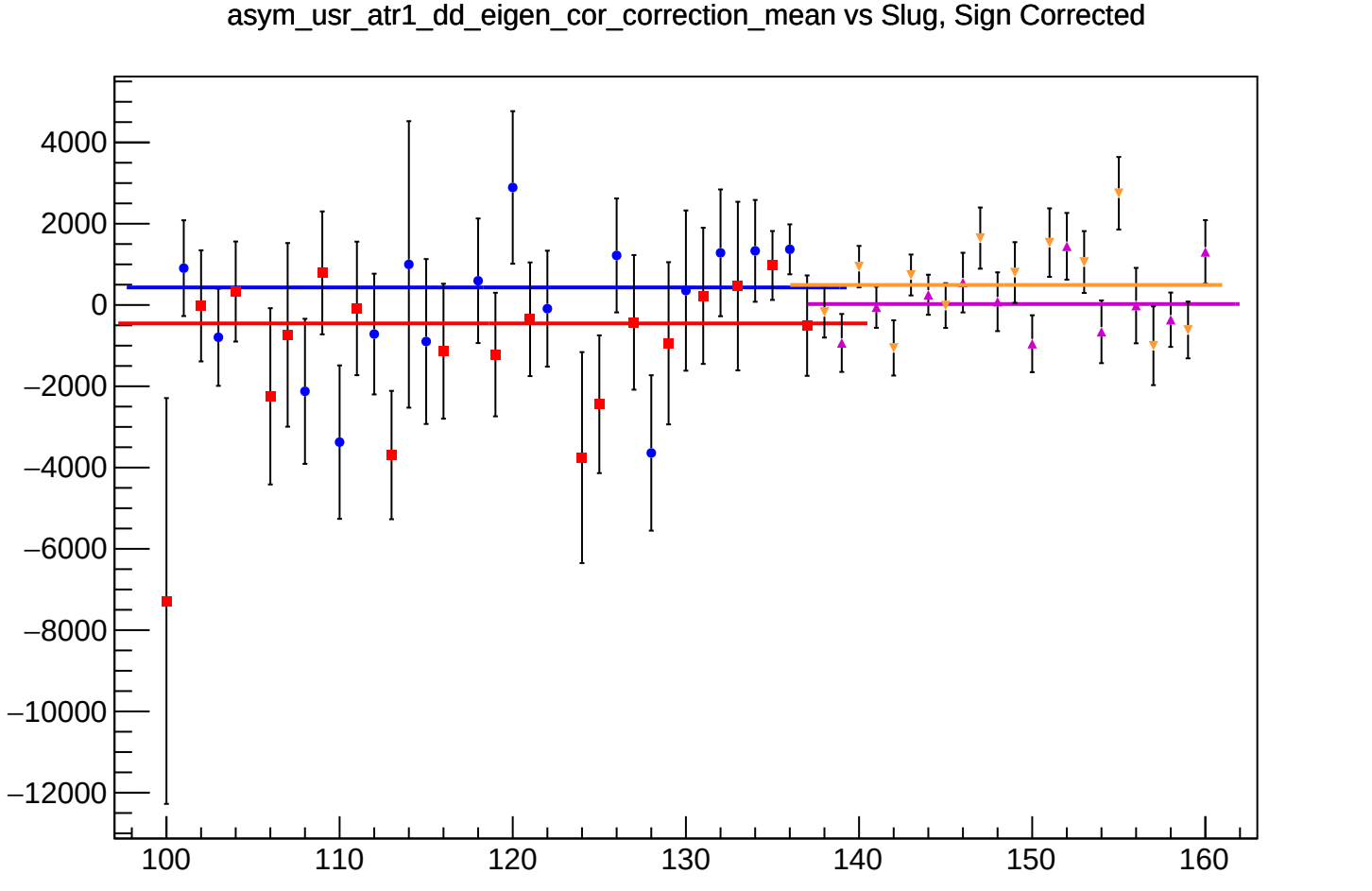
Left: 1314.237+/-0.213 χ^2/NDF: 2691.0/22

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1331.864+/-0.232 χ^2/NDF:769731.6/26

Out: 1329.389+/-0.229 χ^2/NDF:155035.5/30

All: 1330.611+/-0.163 χ^2/NDF: 924824.6/57



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: 23.742+/-204.156 χ^2/NDF:11.3/10

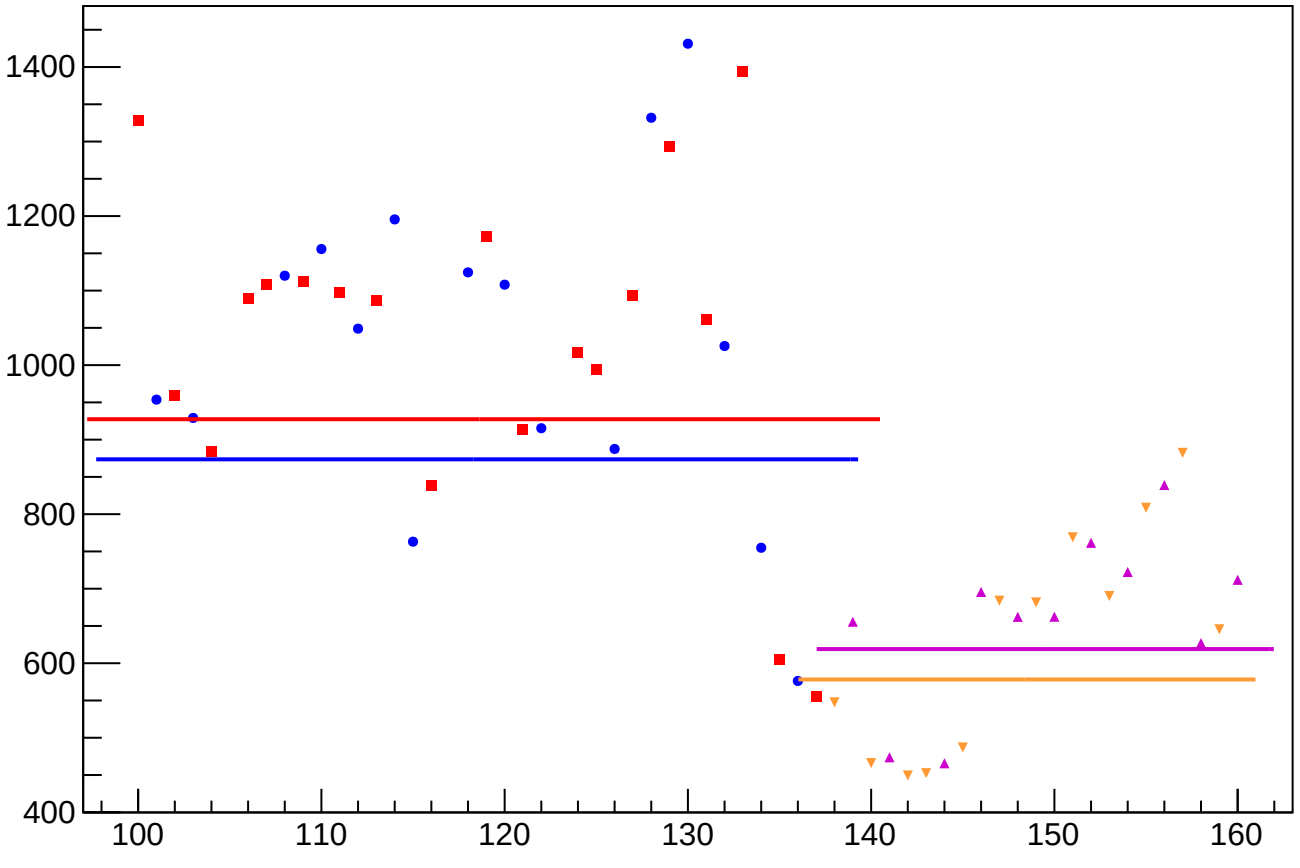
Left: 271.485+/-140.250 χ^2/NDF: 38.2/22

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 132.718+/-174.808 χ^2/NDF:30.6/26

Out: 277.651+/-169.626 χ^2/NDF:44.2/30

All: 207.364+/-121.735 χ^2/NDF: 75.2/57



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: 619.004+/-0.144 χ^2/NDF:637245.2/10

Left: 597.458+/-0.099 χ^2/NDF: 1604929.9/22

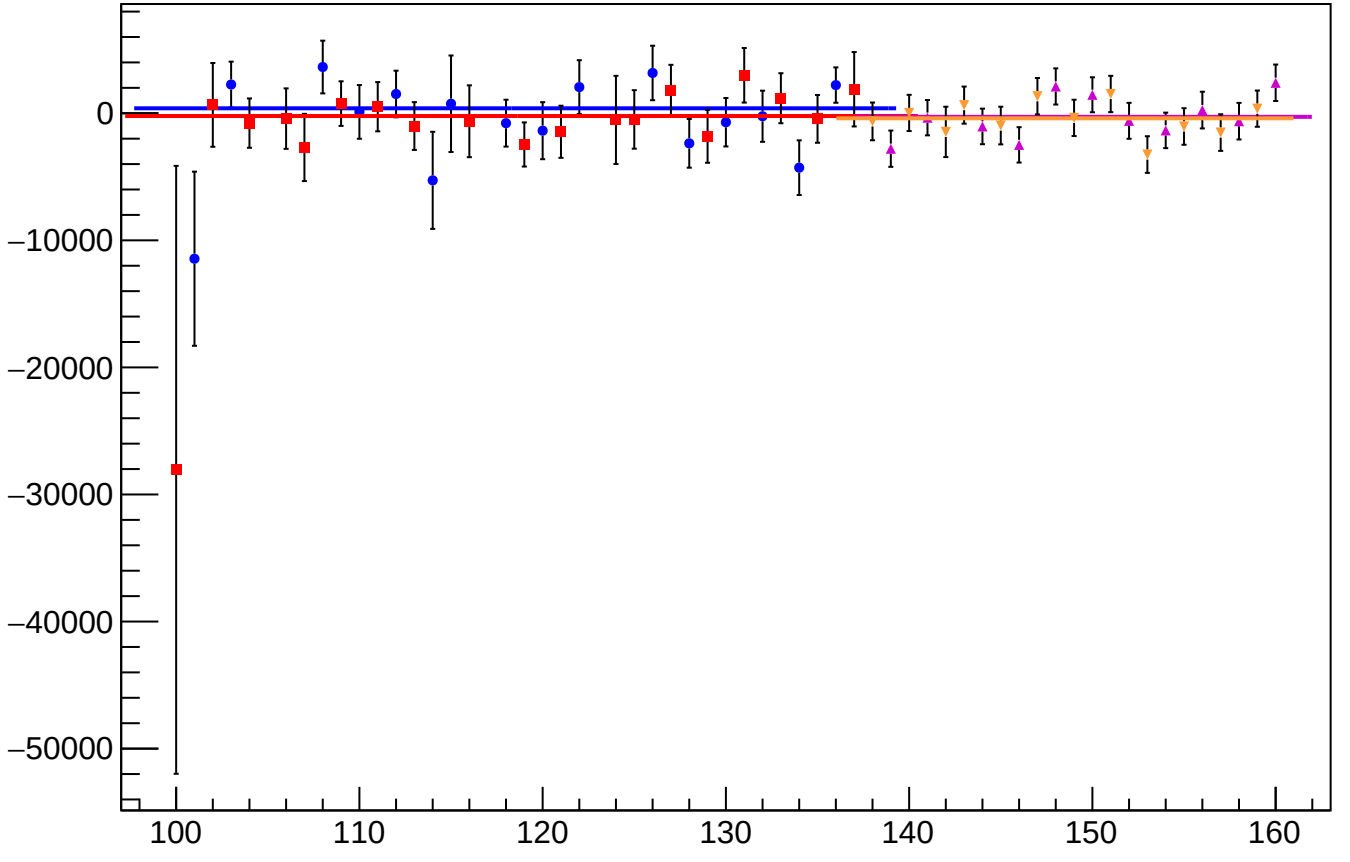
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.942+/-0.124 χ^2/NDF:2481665.7/26

Out: 657.663+/-0.120 χ^2/NDF:3262724.3/30

All: 671.862+/-0.086 χ^2/NDF: 5773288.2/57

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



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: -282.478+/-425.707 χ^2/NDF:14.6/10

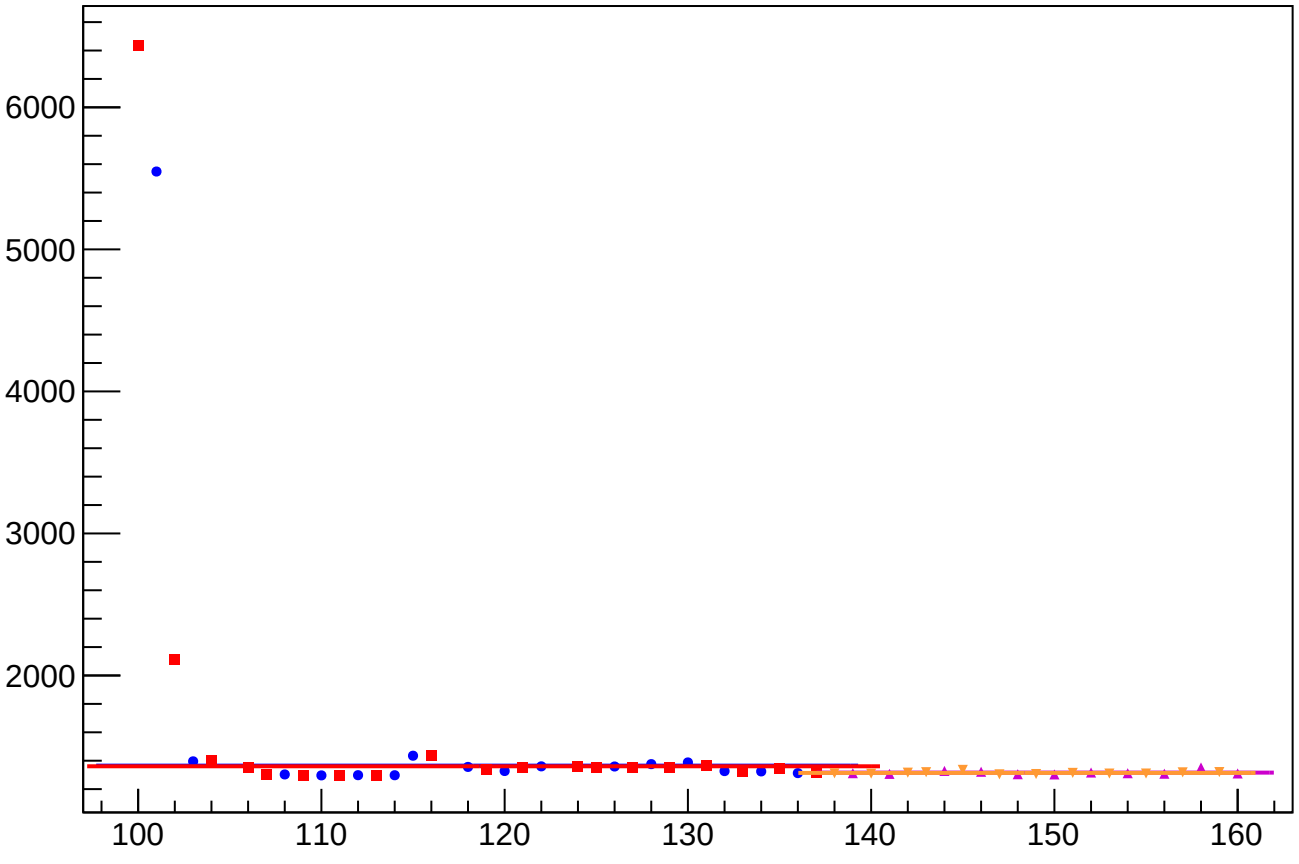
Left: -340.264+/-300.864 χ^2/NDF: 24.0/22

Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -13.368+/-329.695 χ^2/NDF:37.0/26

Out: -323.855+/-326.067 χ^2/NDF:19.4/30

All: -170.329+/-231.836 χ^2/NDF: 56.8/57



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: 1316.180+/-0.301 χ^2/NDF:1946.8/10

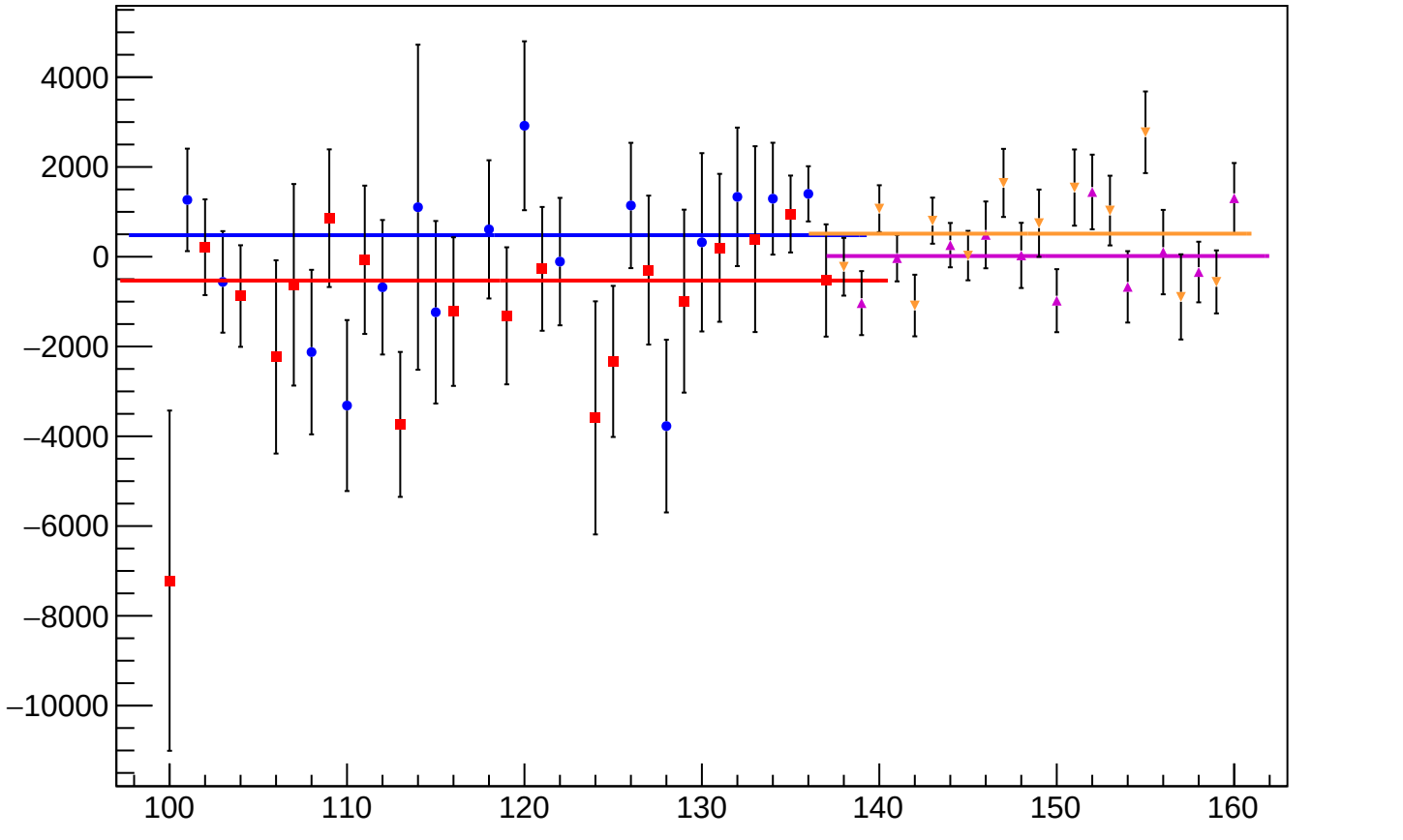
Left: 1315.171+/-0.213 χ^2/NDF: 2687.2/22

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1335.839+/-0.233 χ^2/NDF:771548.8/26

Out: 1333.371+/-0.231 χ^2/NDF:215932.6/30

All: 1334.591+/-0.164 χ^2/NDF: 987538.0/57



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: 15.813+/-206.339 χ^2/NDF:11.5/10

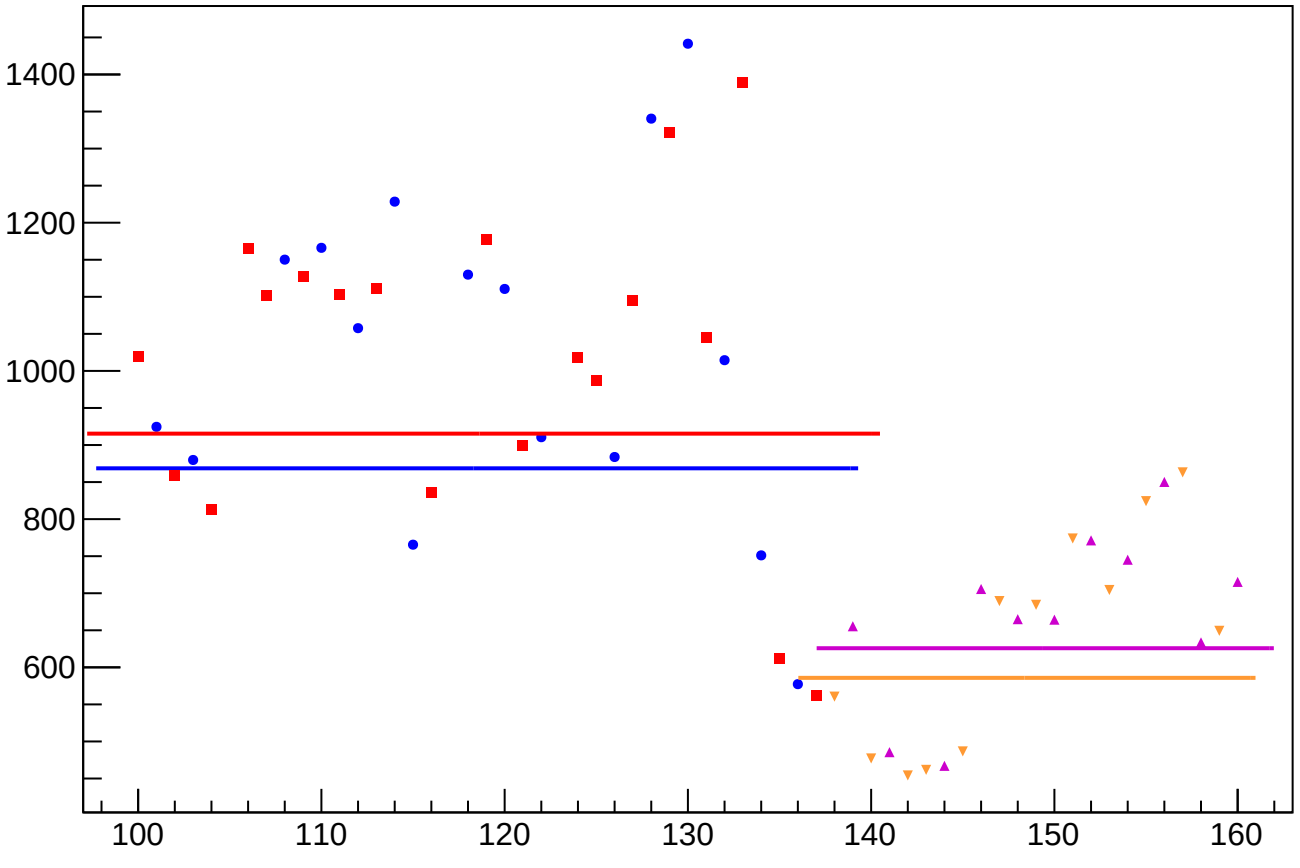
Left: 278.521+/-141.840 χ^2/NDF: 38.5/22

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 142.754+/-175.905 χ^2/NDF:31.5/26

Out: 261.636+/-170.090 χ^2/NDF:46.5/30

All: 204.192+/-122.276 χ^2/NDF: 78.2/57



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: 625.815+/-0.146 χ^2/NDF:637394.7/10

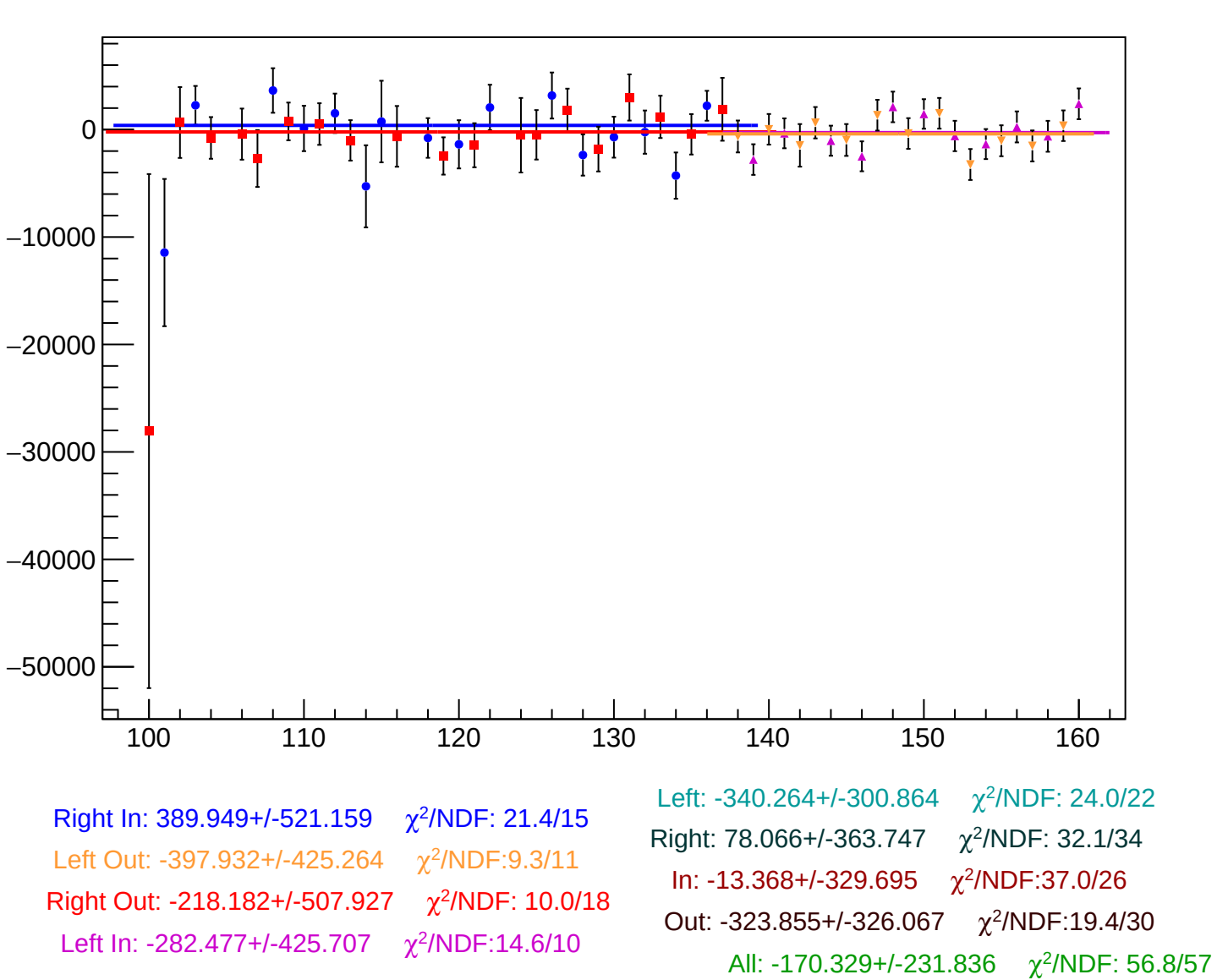
Left: 604.725+/-0.100 χ^2/NDF: 1563865.0/22

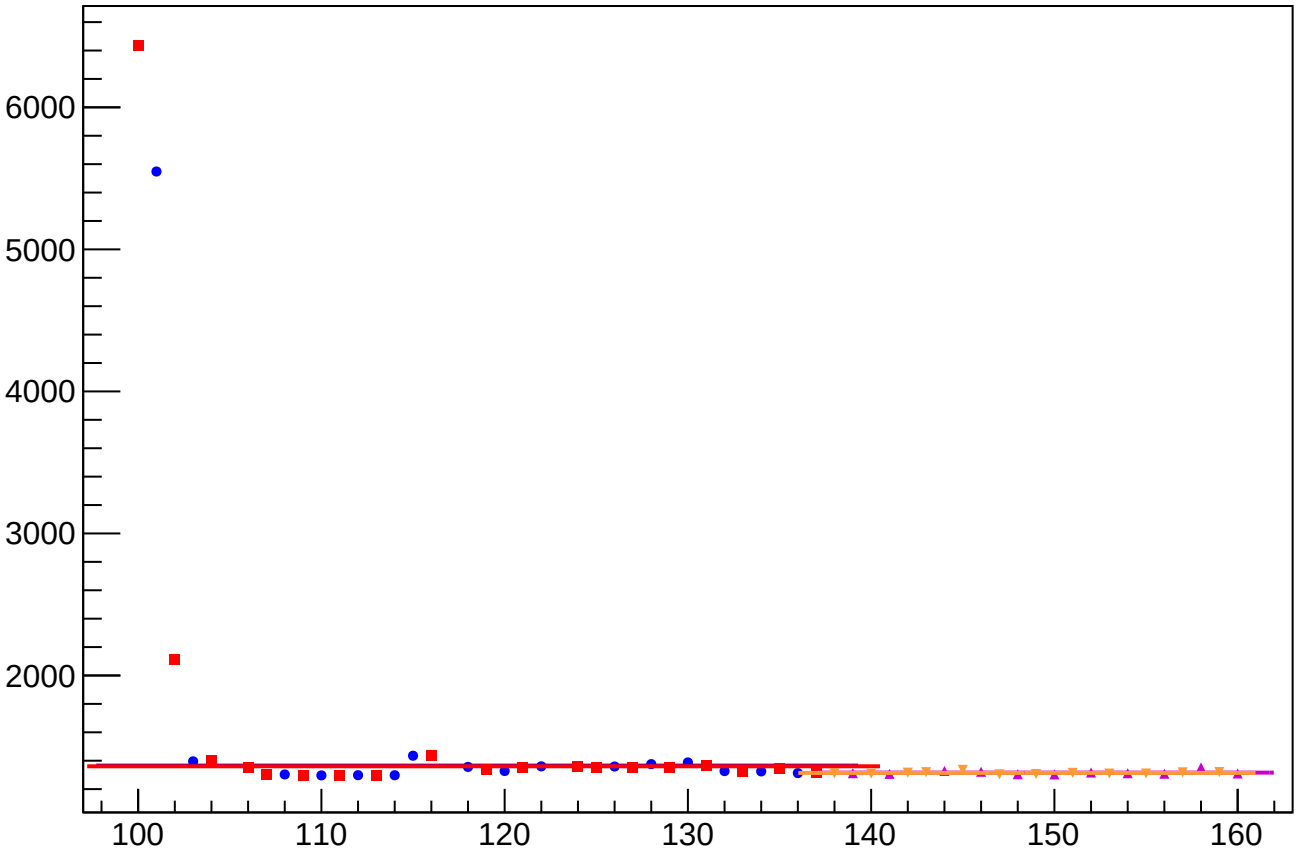
Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 692.144+/-0.124 χ^2/NDF:2415124.6/26

Out: 665.417+/-0.120 χ^2/NDF:3120914.1/30

All: 678.331+/-0.086 χ^2/NDF: 5559900.7/57


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -397.932+/-425.264 χ²/NDF:9.3/11
Right Out: -218.182+/-507.927 χ²/NDF: 10.0/18
Left In: -282.477+/-425.707 χ²/NDF:14.6/10
Left: -340.264+/-300.864 χ²/NDF: 24.0/22
Right: 78.066+/-363.747 χ²/NDF: 32.1/34
In: -13.368+/-329.695 χ²/NDF:37.0/26
Out: -323.855+/-326.067 χ²/NDF:19.4/30
All: -170.329+/-231.836 χ²/NDF: 56.8/57



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: 1316.180+/-0.301 χ^2/NDF:1946.8/10

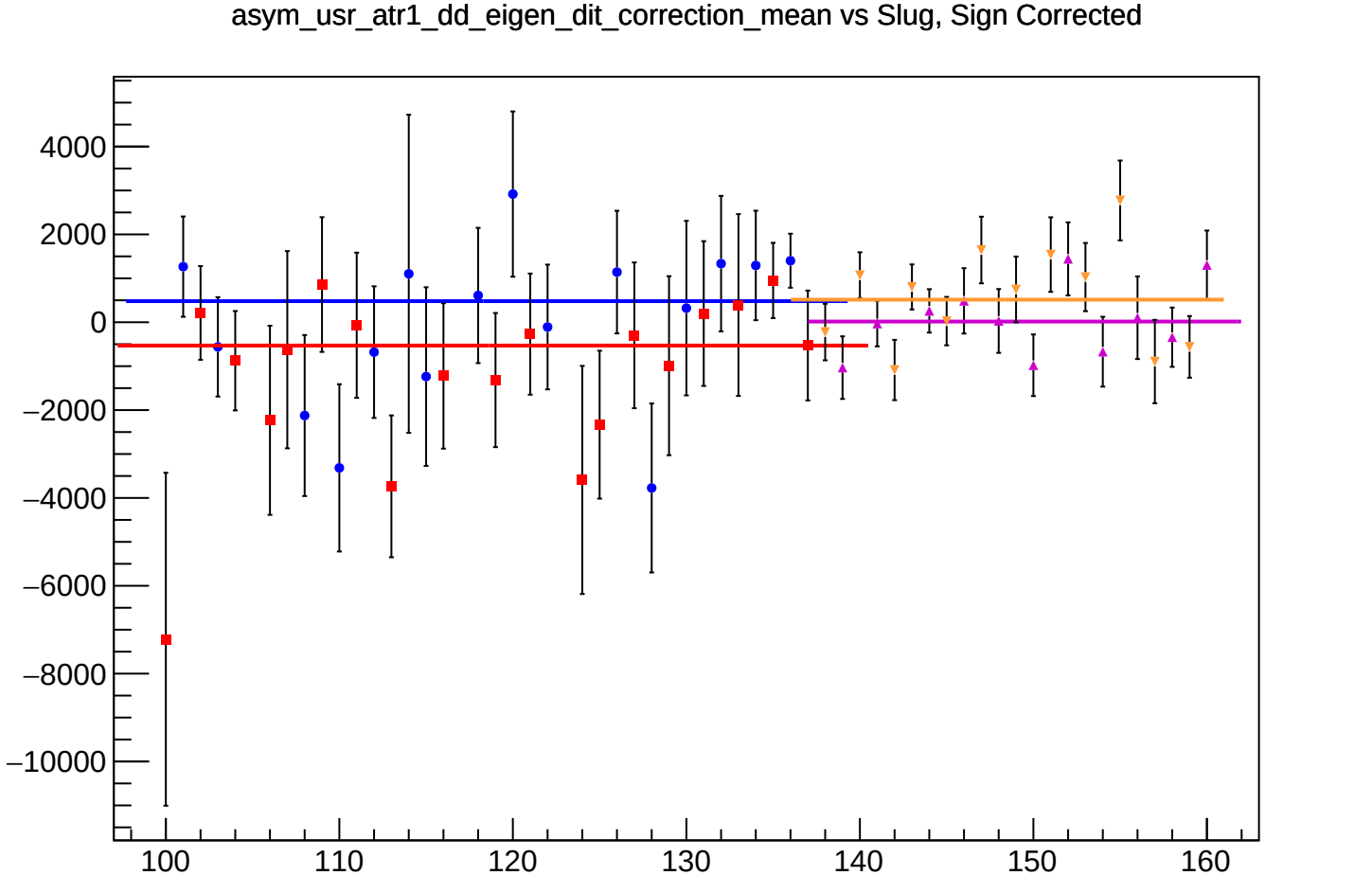
Left: 1315.171+/-0.213 χ^2/NDF: 2687.2/22

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

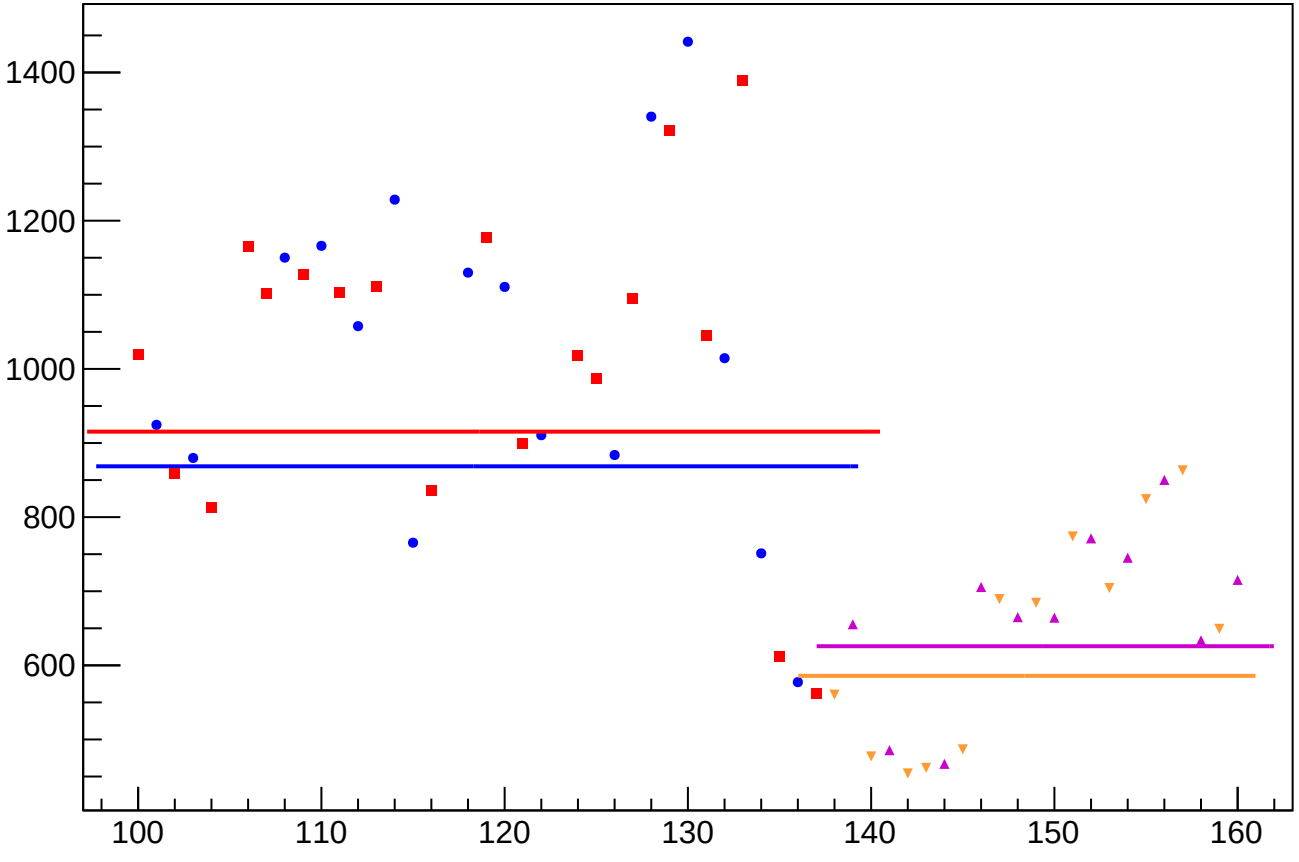
In: 1335.839+/-0.233 χ^2/NDF:771548.8/26

Out: 1333.371+/-0.231 χ^2/NDF:215932.5/30

All: 1334.591+/-0.164 χ^2/NDF: 987538.0/57


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
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: 15.813+/-206.339 χ²/NDF:11.5/10
Left: 278.522+/-141.841 χ²/NDF: 38.5/22
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 142.755+/-175.905 χ²/NDF:31.5/26
Out: 261.635+/-170.090 χ²/NDF:46.5/30
All: 204.193+/-122.276 χ²/NDF: 78.2/57

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 585.831+/-0.138 χ^2/NDF:886871.7/11

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 625.816+/-0.146 χ^2/NDF:637401.5/10

Left: 604.725+/-0.100 χ^2/NDF: 1563886.9/22

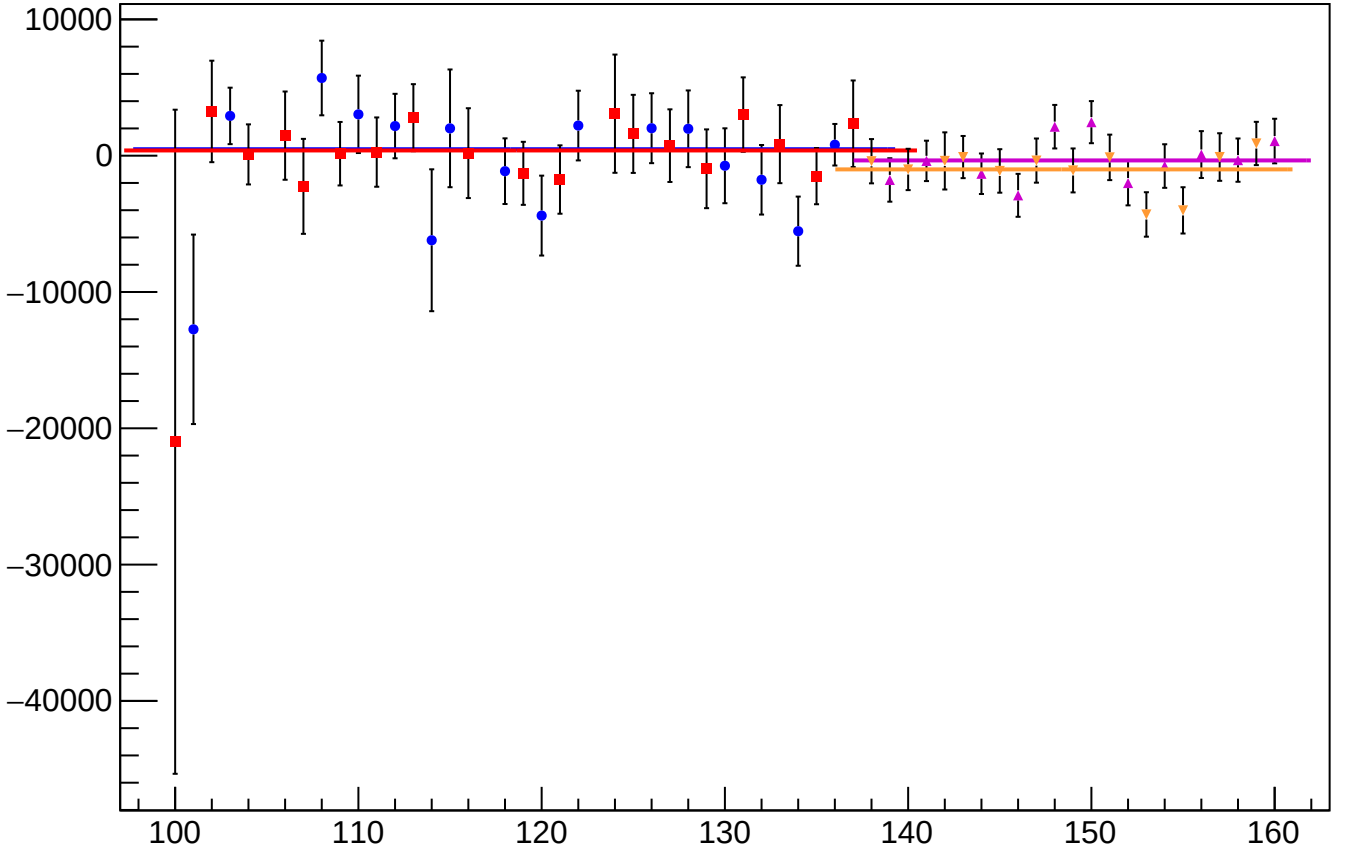
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 692.145+/-0.124 χ^2/NDF:2415111.0/26

Out: 665.417+/-0.120 χ^2/NDF:3120915.5/30

All: 678.332+/-0.086 χ^2/NDF: 5559889.7/57

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1005.165+/-475.353 χ^2/NDF:10.0/11

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -346.965+/-477.341 χ^2/NDF:11.5/10

Left: -677.438+/-336.826 χ^2/NDF: 22.4/22

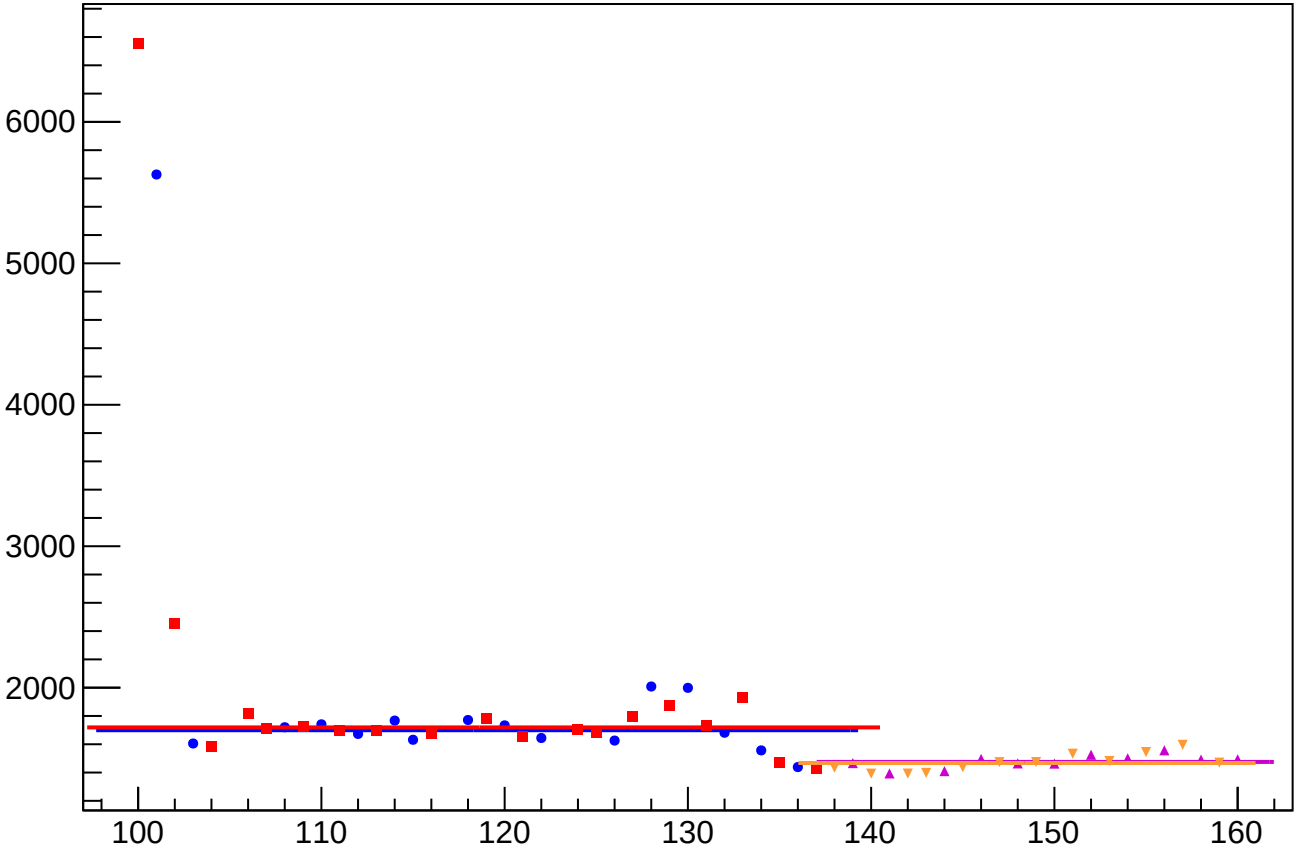
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -59.078+/-384.583 χ^2/NDF:35.2/26

Out: -512.976+/-382.030 χ^2/NDF:20.3/30

All: -287.539+/-271.034 χ^2/NDF: 56.2/57

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: 1475.061+/-0.338 χ^2/NDF:17961.7/10

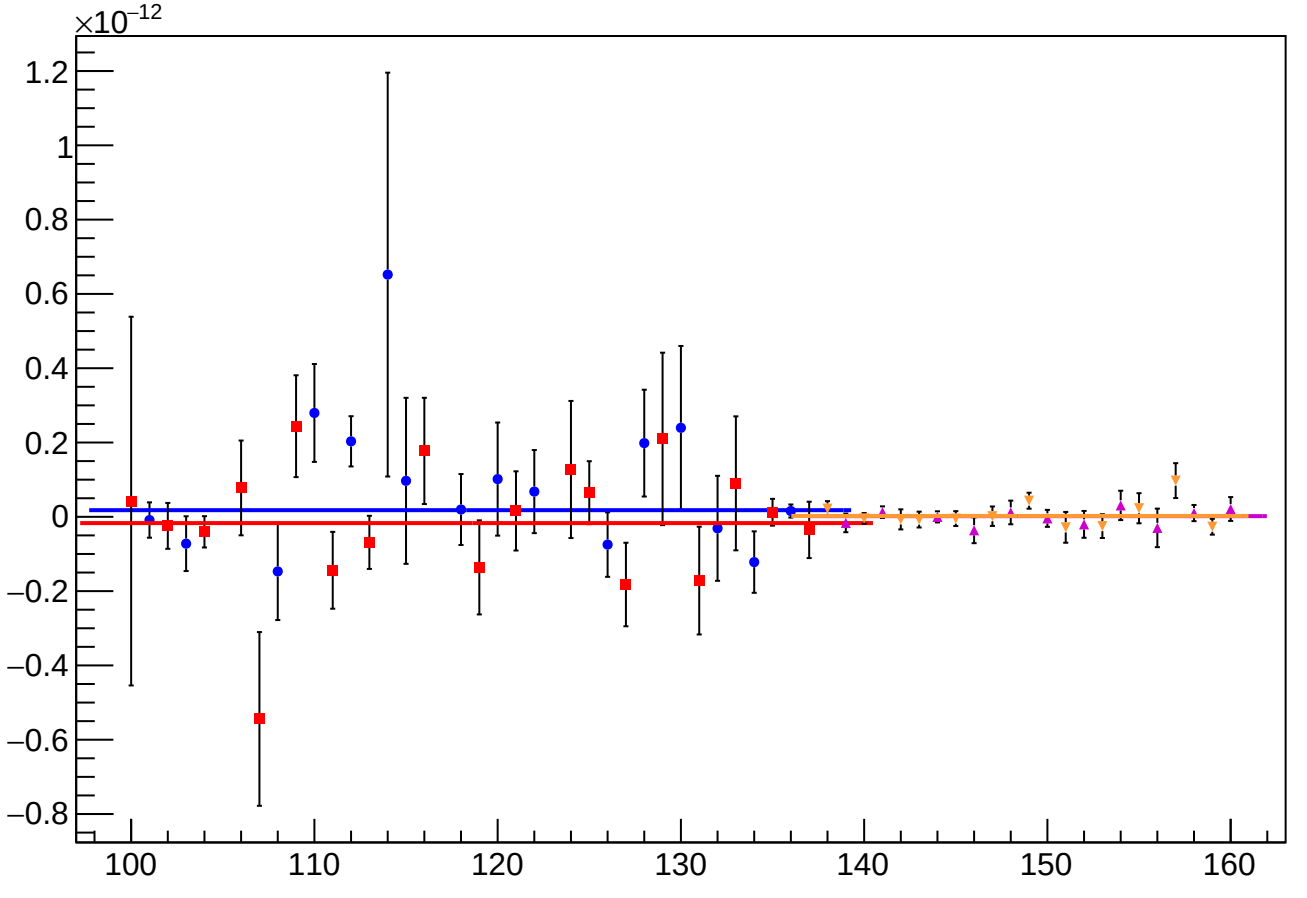
Left: 1471.296+/-0.238 χ^2/NDF: 49523.0/22

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1553.753+/-0.272 χ^2/NDF:934967.8/26

Out: 1556.634+/-0.270 χ^2/NDF:463375.8/30

All: 1555.203+/-0.192 χ^2/NDF: 1398400.2/57



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:4.2/10

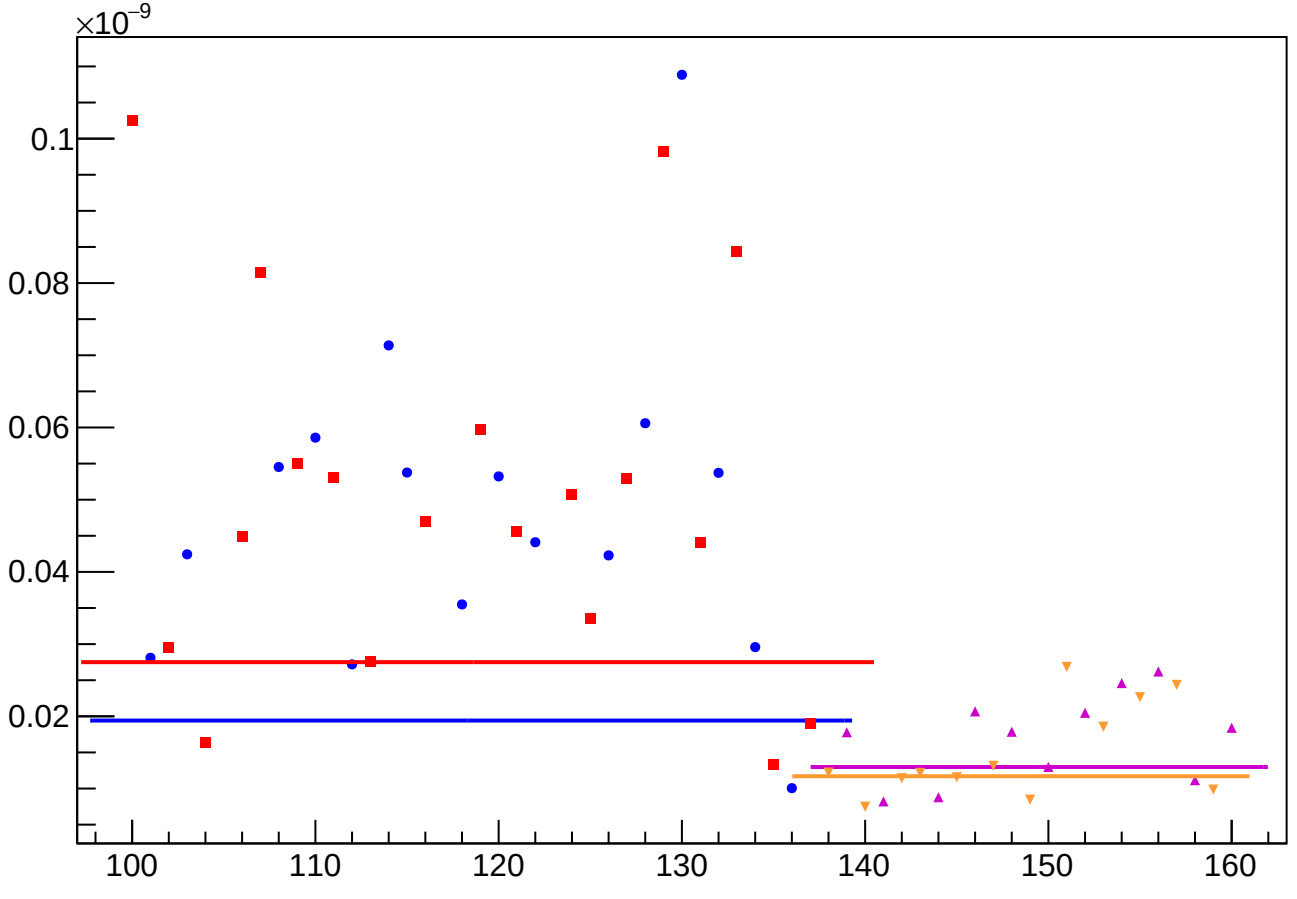
Left: 0.000+/-0.000 χ^2/NDF: 16.9/22

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:28.7/26

Out: 0.000+/-0.000 χ^2/NDF:35.0/30

All: 0.000+/-0.000 χ^2/NDF: 64.0/57



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:1024823.0/10

Left: 0.000+/-0.000 χ^2/NDF: 1950119.3/22

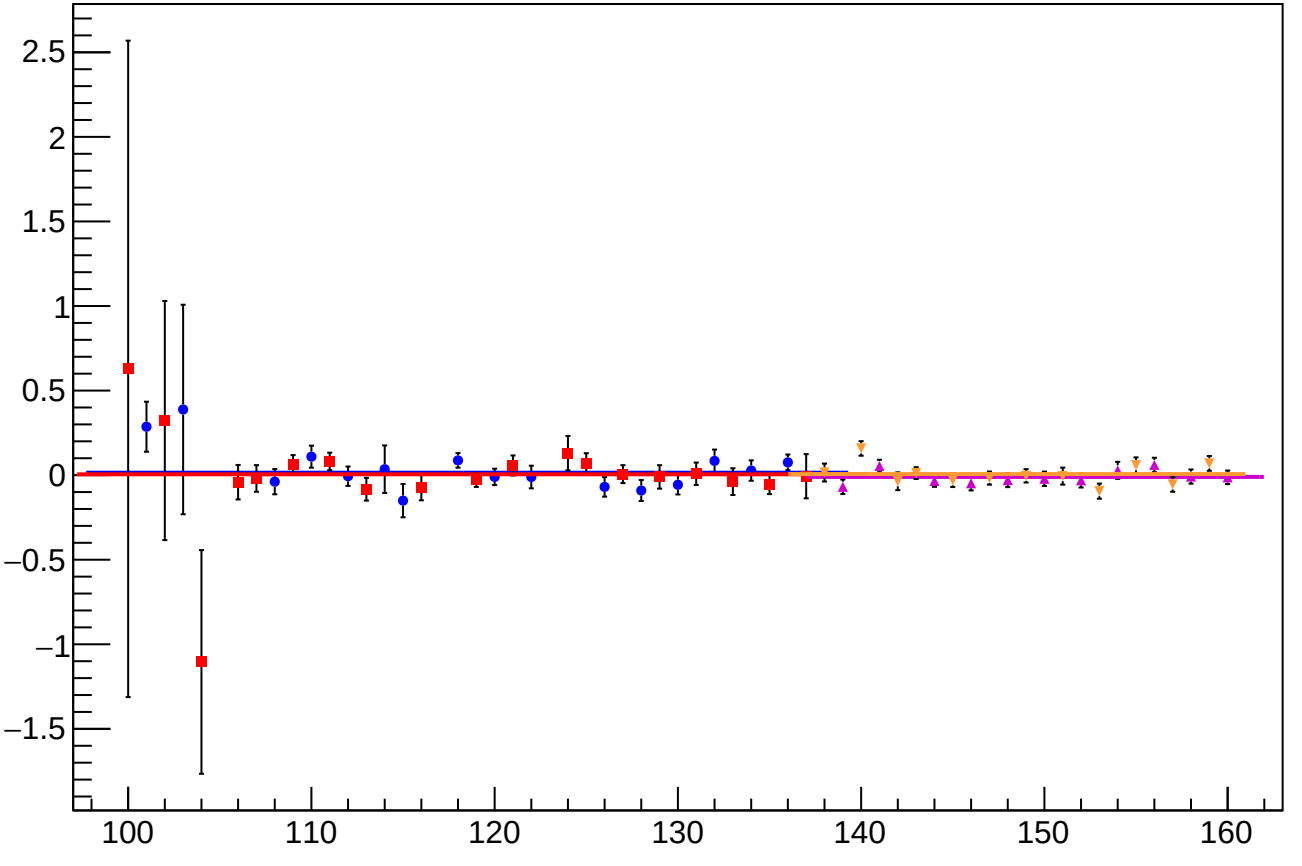
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3618149.0/26

Out: 0.000+/-0.000 χ^2/NDF:3757777.7/30

All: 0.000+/-0.000 χ^2/NDF: 7392710.8/57

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+/-0.012 χ^2/NDF:10.0/10

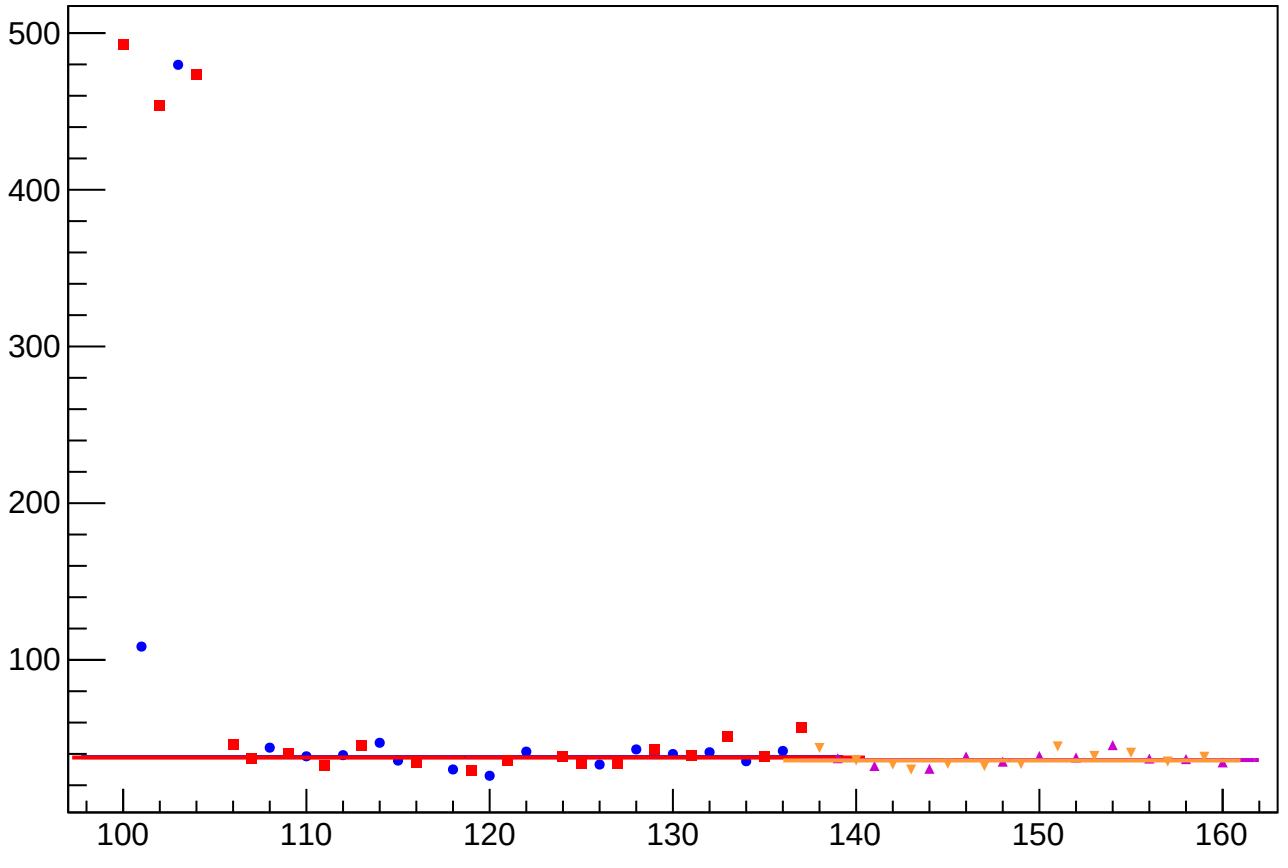
Left: -0.002+/-0.009 χ^2/NDF: 35.8/22

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.002+/-0.007 χ^2/NDF: 73.5/57



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: 36.083+/-0.009 χ^2/NDF:167225.3/10

Left: 35.958+/-0.006 χ^2/NDF: 403246.2/22

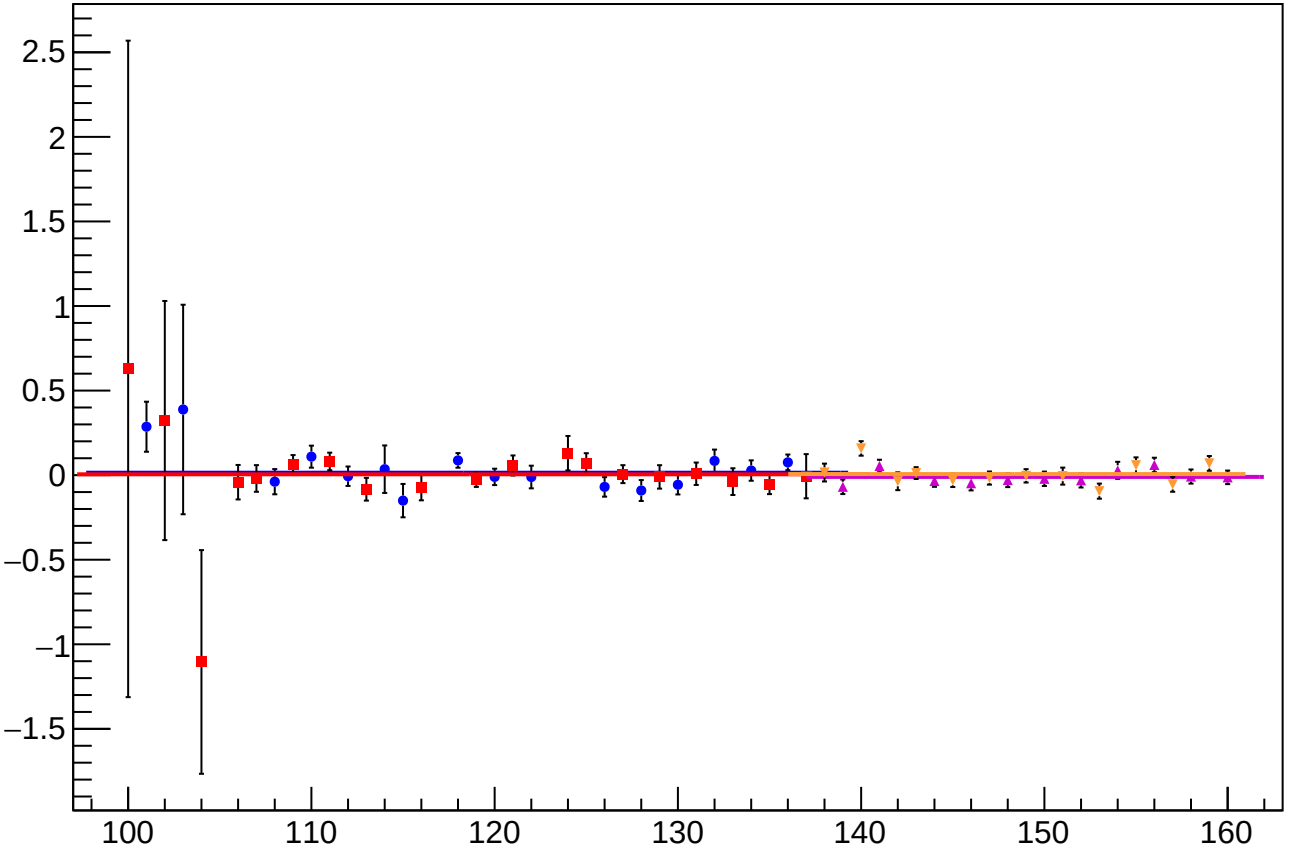
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.786+/-0.007 χ^2/NDF:1923839.6/26

Out: 36.535+/-0.007 χ^2/NDF:2197287.0/30

All: 36.661+/-0.005 χ^2/NDF: 4121776.1/57

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+/-0.012 χ^2/NDF:10.0/10

Left: -0.002+/-0.009 χ^2/NDF: 35.8/22

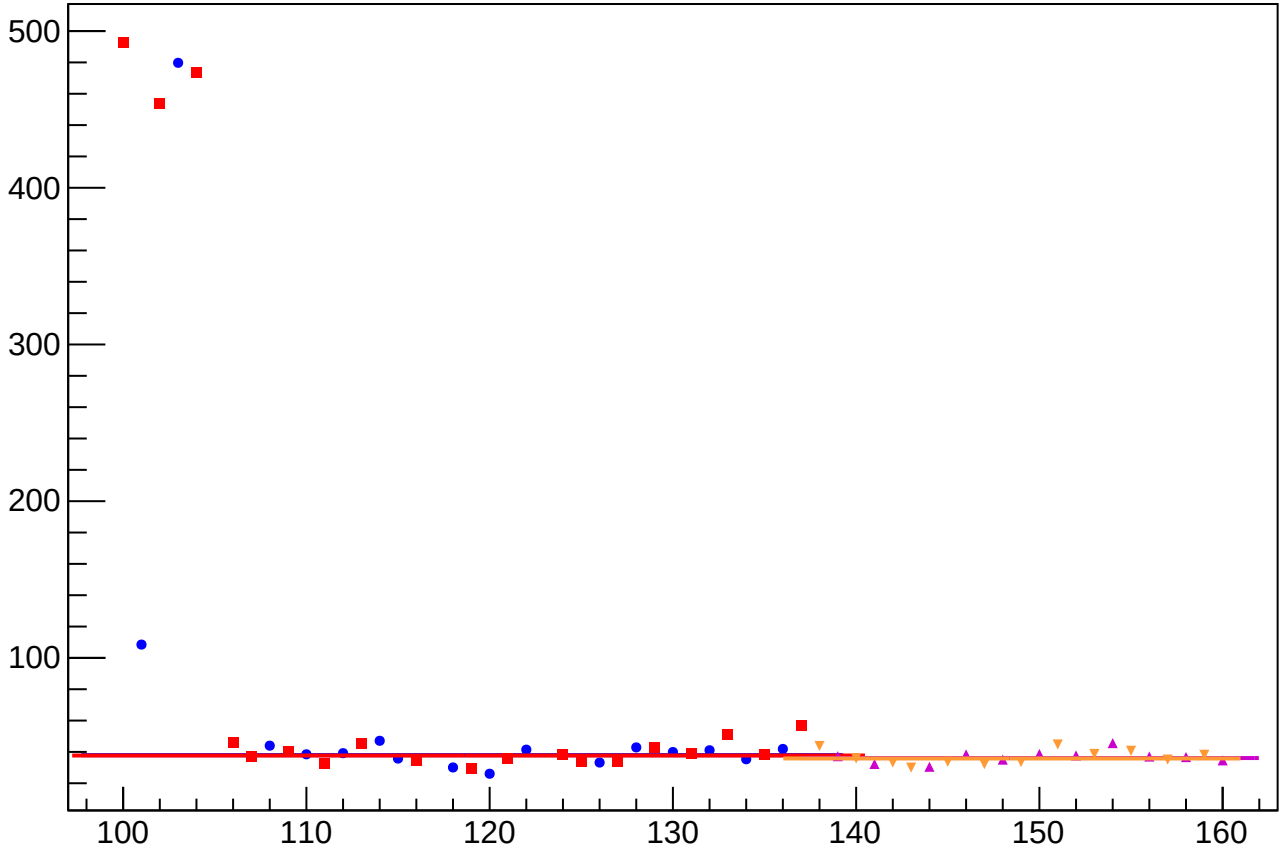
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.002+/-0.007 χ^2/NDF: 73.5/57

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: 36.083+/-0.009 χ^2/NDF:167225.3/10

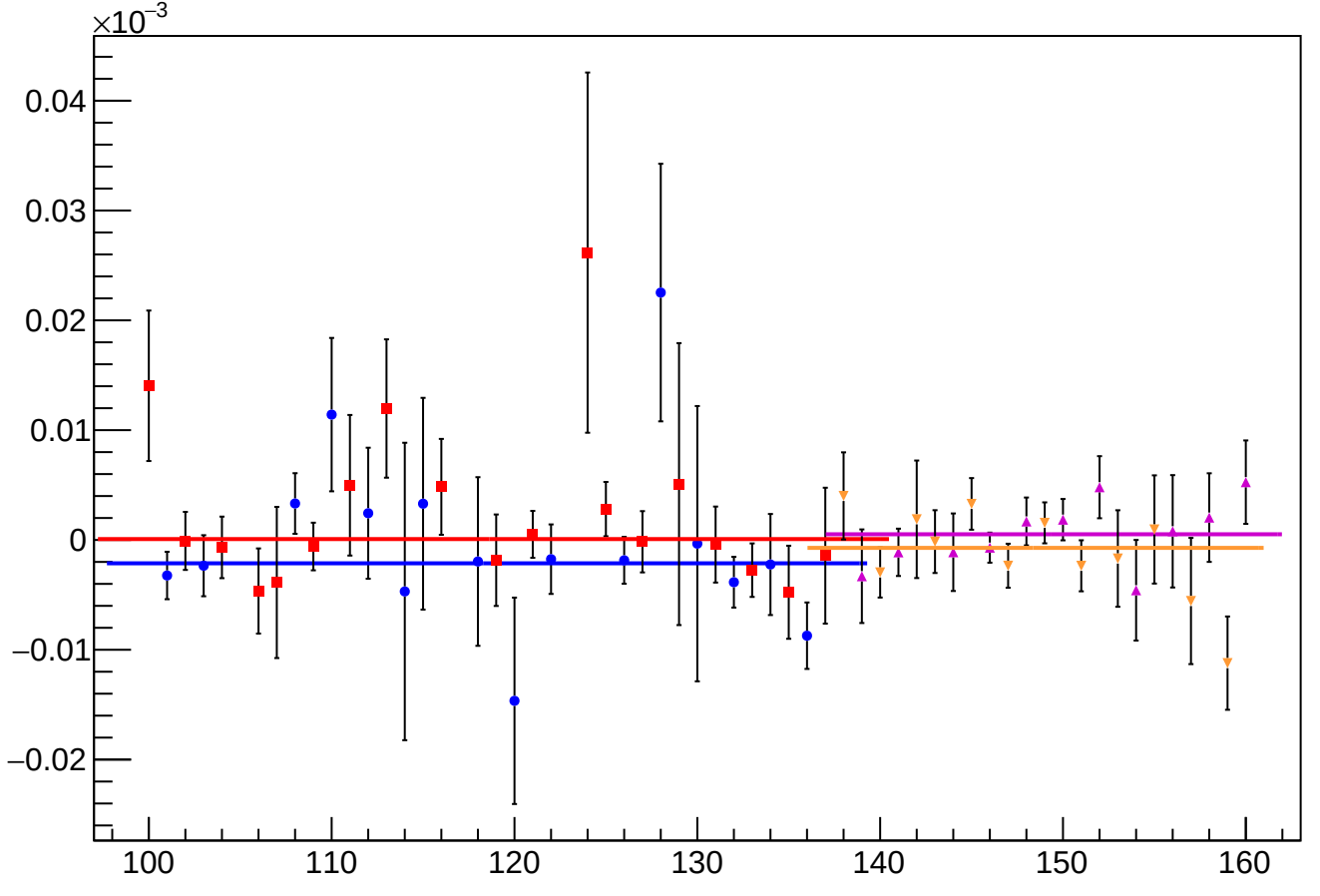
Left: 35.958+/-0.006 χ^2/NDF: 403246.2/22

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.786+/-0.007 χ^2/NDF:1923839.6/26

Out: 36.535+/-0.007 χ^2/NDF:2197287.0/30

All: 36.661+/-0.005 χ^2/NDF: 4121776.1/57



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:8.4/10

Left: -0.000+/-0.000 χ^2/NDF: 24.8/22

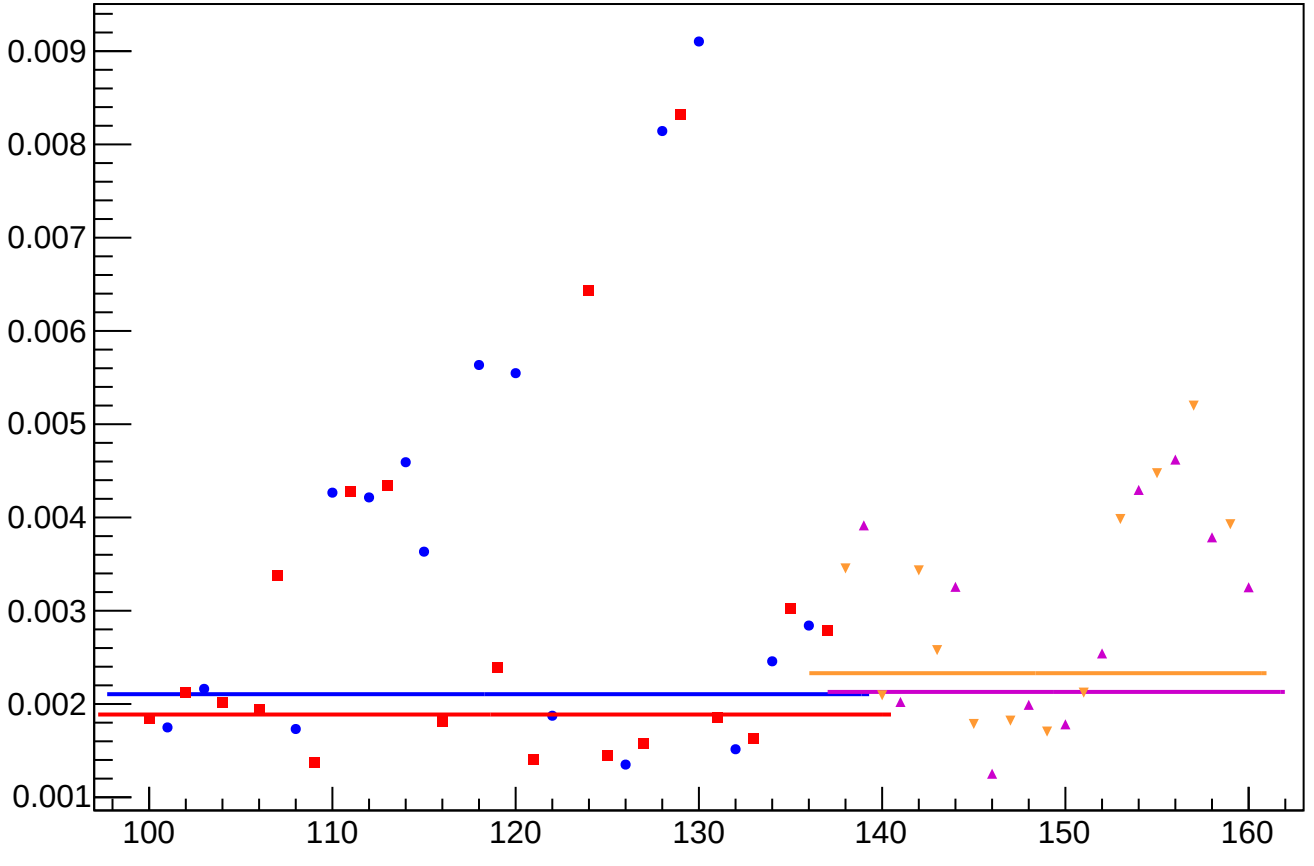
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:33.9/26

Out: -0.000+/-0.000 χ^2/NDF:34.1/30

All: -0.000+/-0.000 χ^2/NDF: 68.1/57

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2201819.9/11

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2933293.5/10

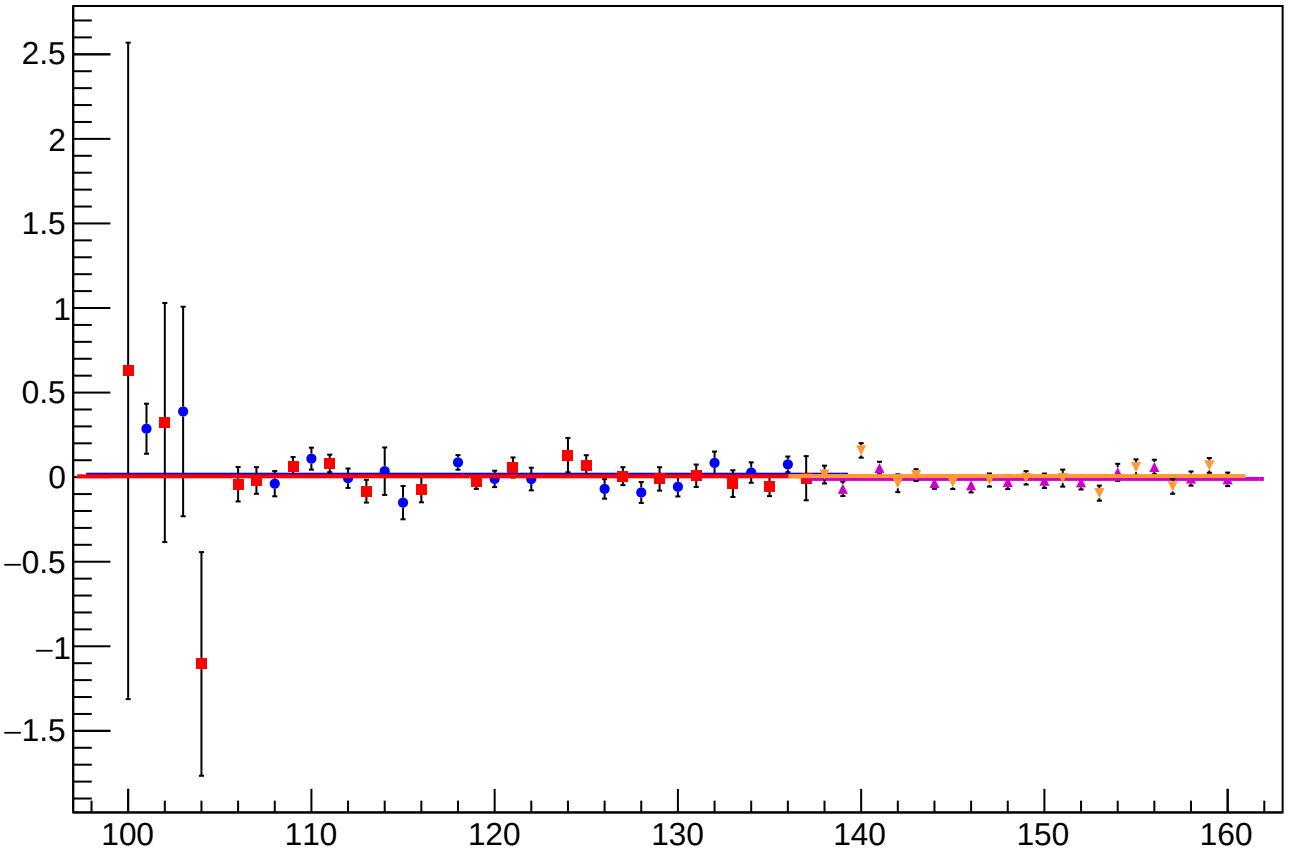
Left: 0.002+/-0.000 χ^2/NDF: 5199566.3/22

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:5951713.5/26

Out: 0.002+/-0.000 χ^2/NDF:4397753.9/30

All: 0.002+/-0.000 χ^2/NDF: 10350521.5/57



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+/-0.012 χ^2/NDF:10.0/10

Left: -0.002+/-0.009 χ^2/NDF: 35.8/22

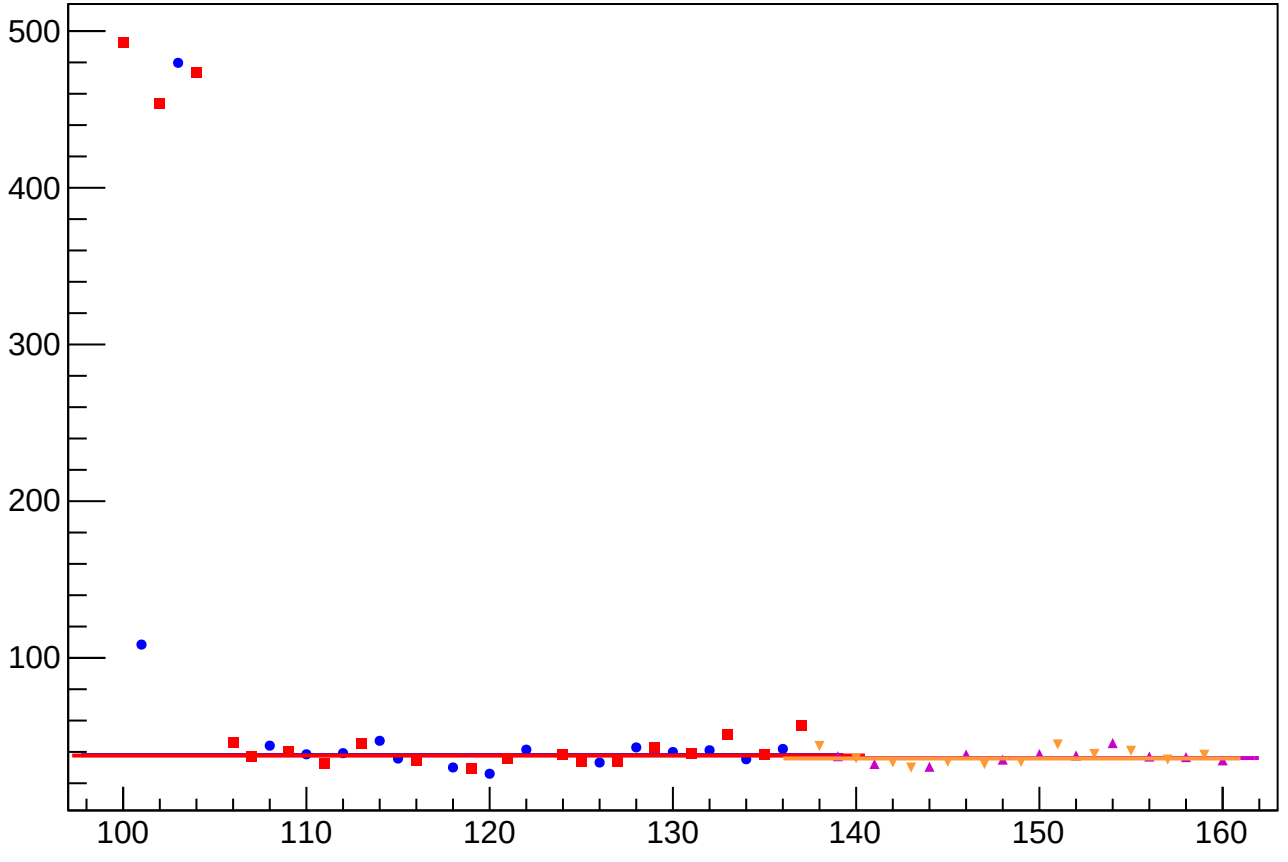
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.002+/-0.007 χ^2/NDF: 73.5/57

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: 36.082+/-0.009 χ^2/NDF:167268.8/10

Left: 35.958+/-0.006 χ^2/NDF: 403341.0/22

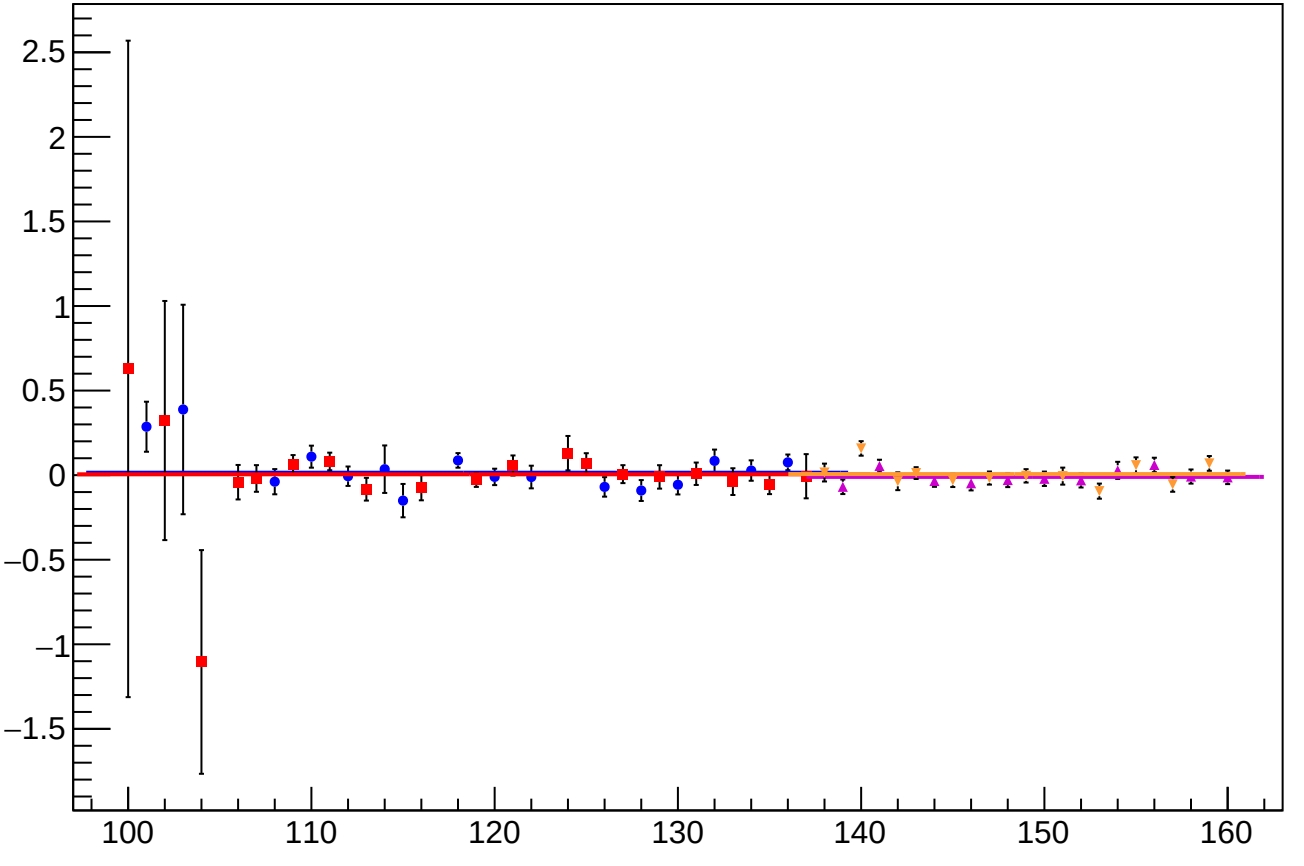
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.785+/-0.007 χ^2/NDF:1923891.8/26

Out: 36.535+/-0.007 χ^2/NDF:2197396.8/30

All: 36.661+/-0.005 χ^2/NDF: 4121938.5/57

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+/-0.012 χ^2/NDF:10.0/10

Left: -0.002+/-0.009 χ^2/NDF: 35.8/22

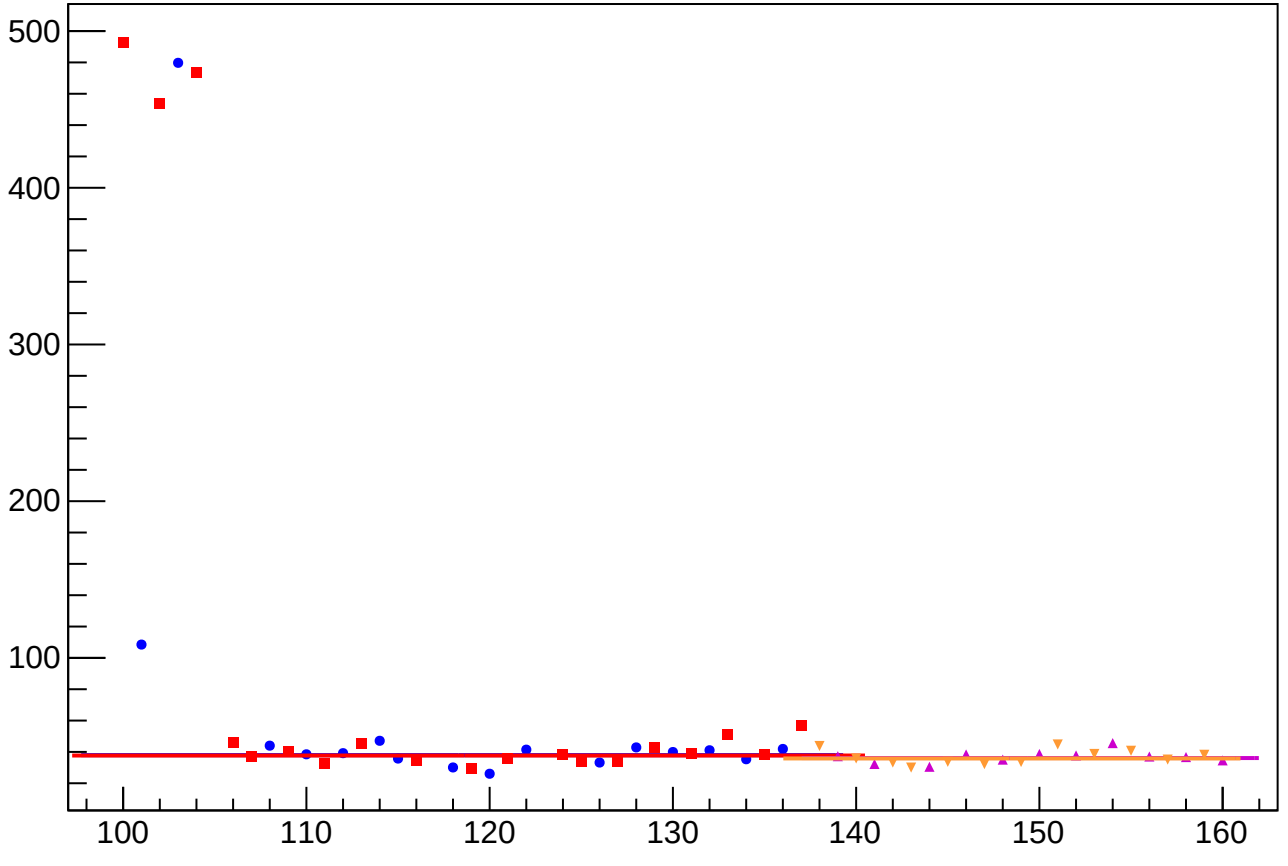
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.006+/-0.010 χ^2/NDF:39.8/30

All: 0.002+/-0.007 χ^2/NDF: 73.5/57

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: 36.082+/-0.009 χ^2/NDF:167268.8/10

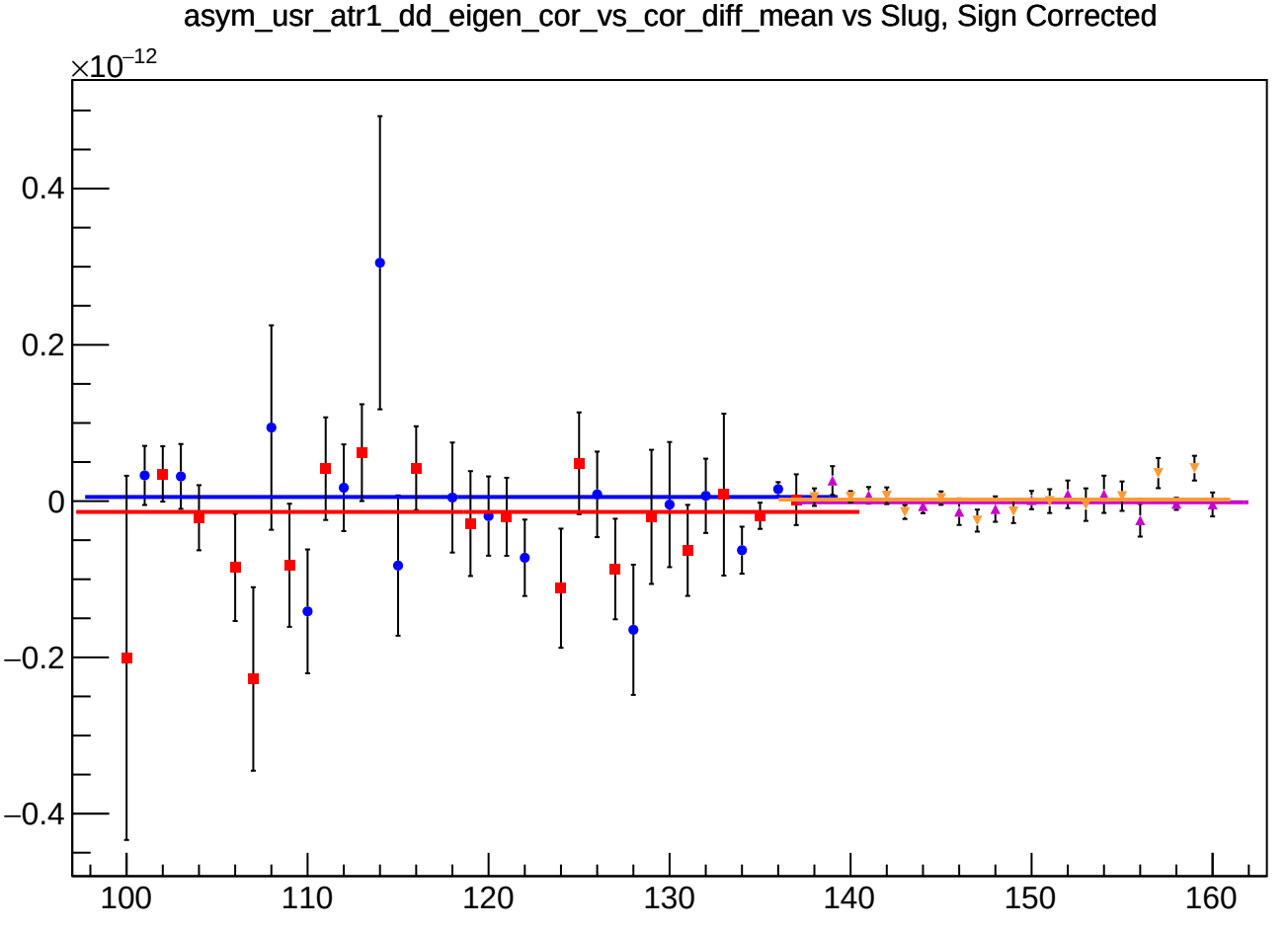
Left: 35.958+/-0.006 χ^2/NDF: 403341.0/22

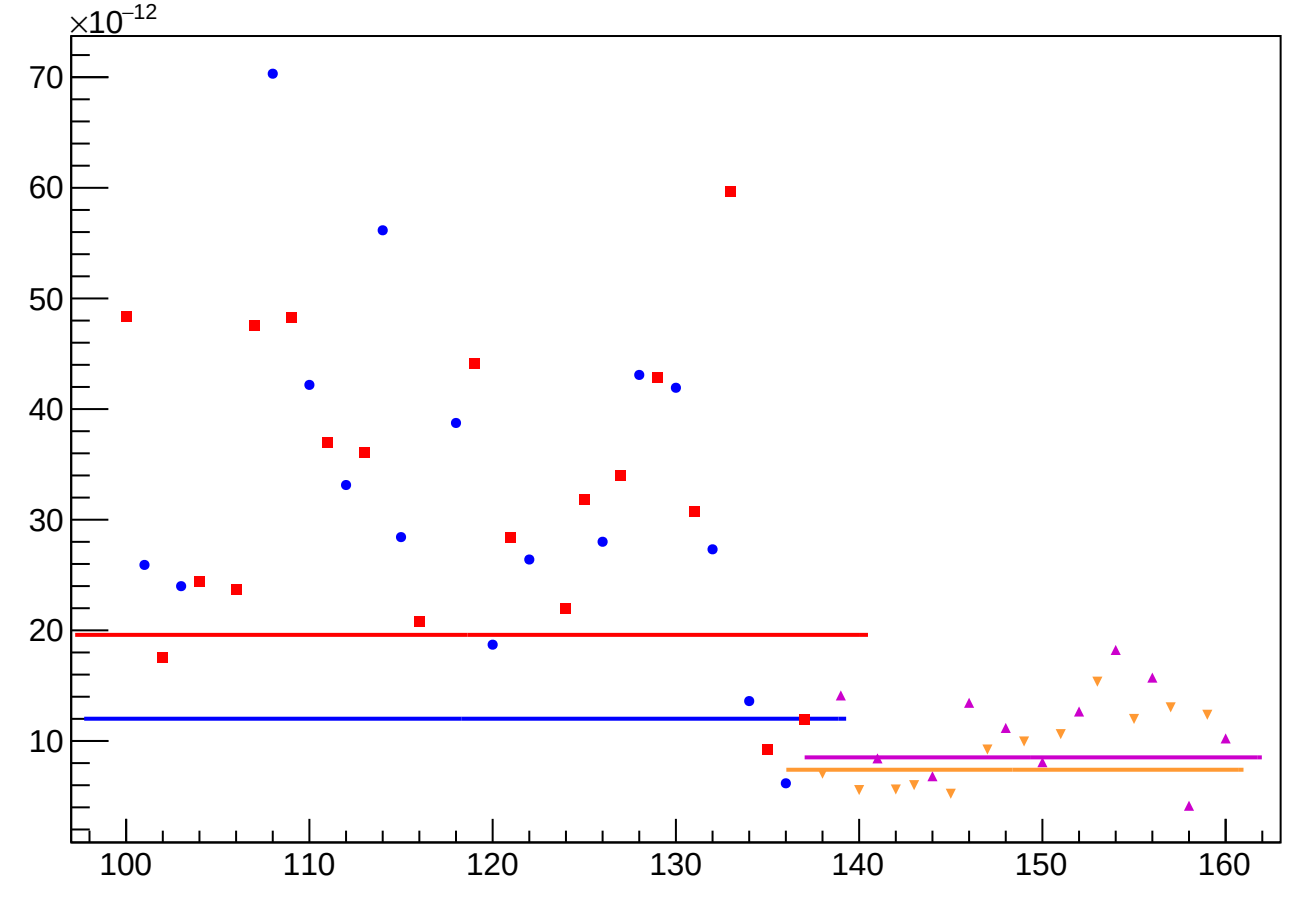
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.785+/-0.007 χ^2/NDF:1923891.8/26

Out: 36.535+/-0.007 χ^2/NDF:2197396.8/30

All: 36.661+/-0.005 χ^2/NDF: 4121938.5/57


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 21.7/15
Left Out: 0.000+/-0.000 χ²/NDF:18.1/11
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:6.0/10
Left: 0.000+/-0.000 χ²/NDF: 24.5/22
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: -0.000+/-0.000 χ²/NDF:28.2/26
Out: 0.000+/-0.000 χ²/NDF:36.1/30
All: 0.000+/-0.000 χ²/NDF: 64.4/57



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:1823303.5/10

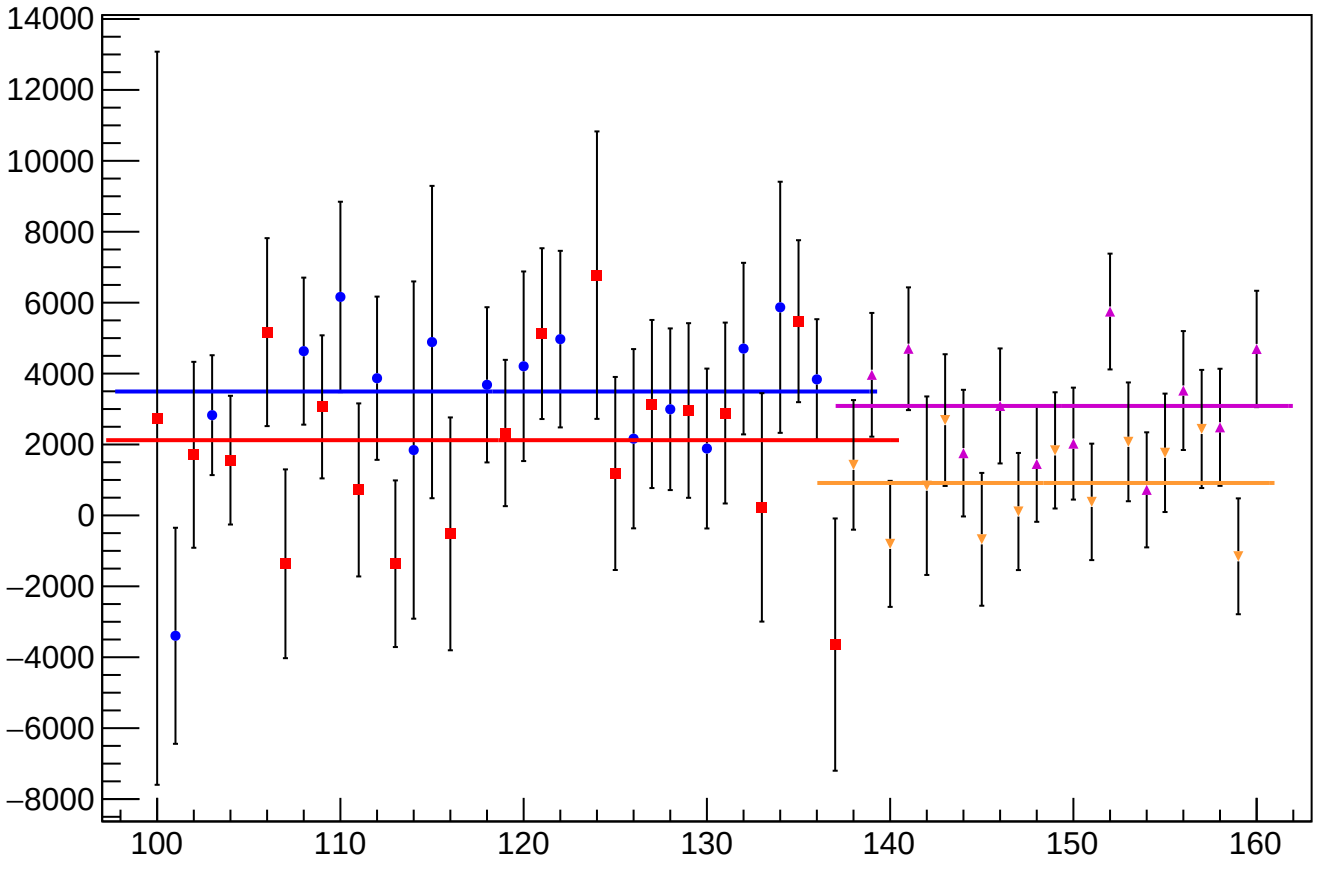
Left: 0.000+/-0.000 χ^2/NDF: 3238758.8/22

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6030892.7/26

Out: 0.000+/-0.000 χ^2/NDF:6358176.9/30

All: 0.000+/-0.000 χ^2/NDF: 12434335.9/57



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: 3087.283+/-501.212 χ^2/NDF:9.1/10

Left: 2010.968+/-356.035 χ^2/NDF: 24.9/22

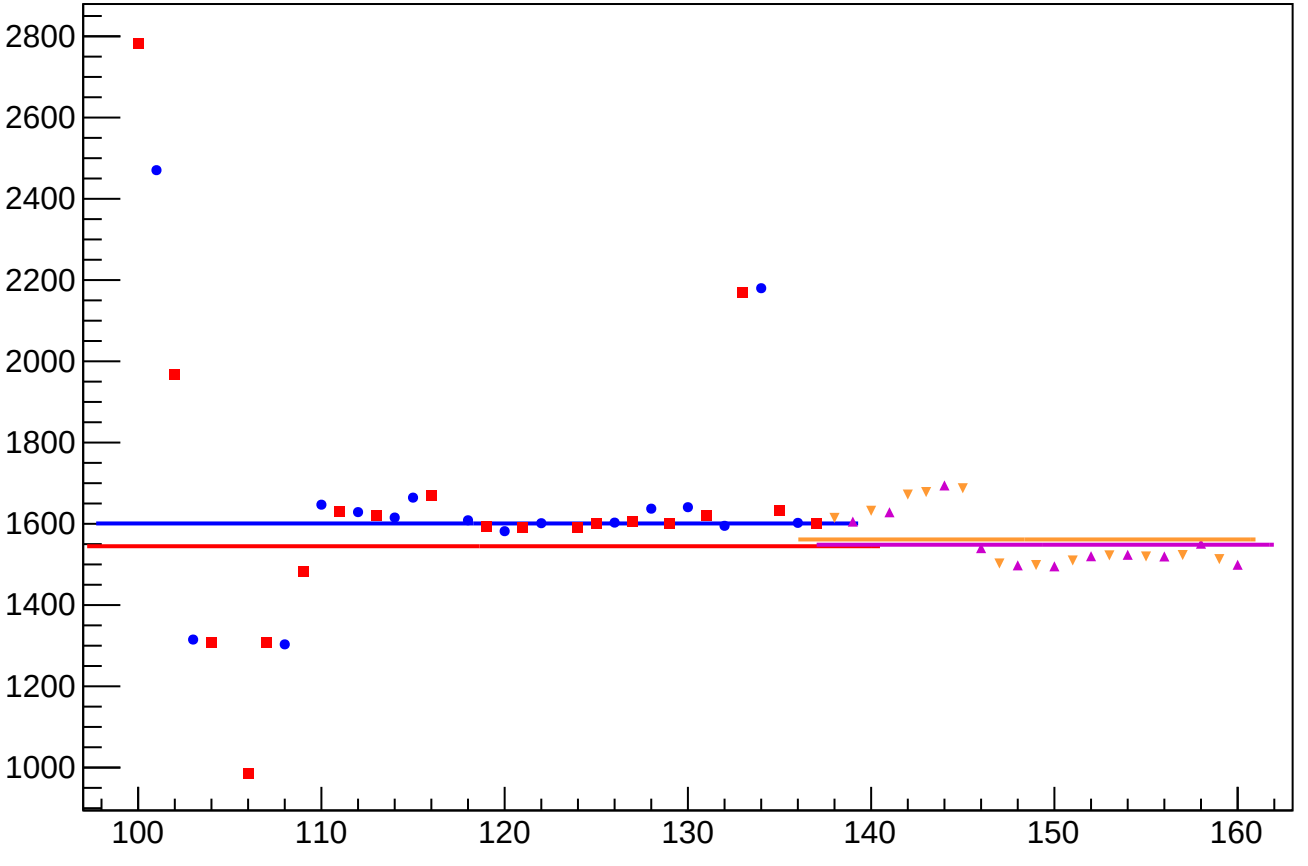
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3254.214+/-384.971 χ^2/NDF:18.2/26

Out: 1428.432+/-383.362 χ^2/NDF:24.0/30

All: 2337.501+/-271.645 χ^2/NDF: 53.4/57

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: 1548.541+/-0.354 χ^2/NDF:27468.1/10

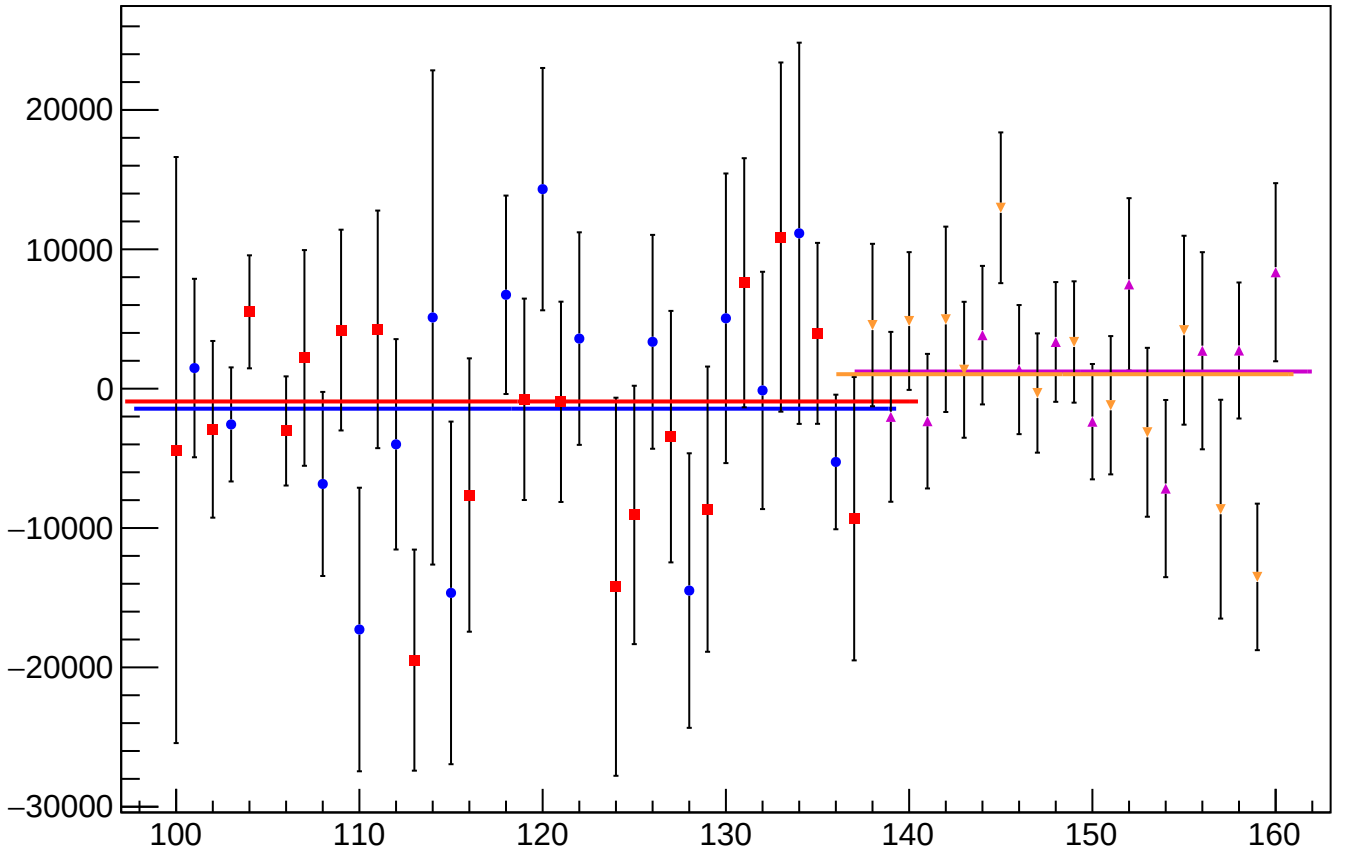
Left: 1554.968+/-0.252 χ^2/NDF: 66444.1/22

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1570.002+/-0.272 χ^2/NDF:353824.9/26

Out: 1554.266+/-0.269 χ^2/NDF:415386.0/30

All: 1562.044+/-0.191 χ^2/NDF: 770900.9/57



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: 1230.187+/-1567.974 χ^2/NDF:6.3/10

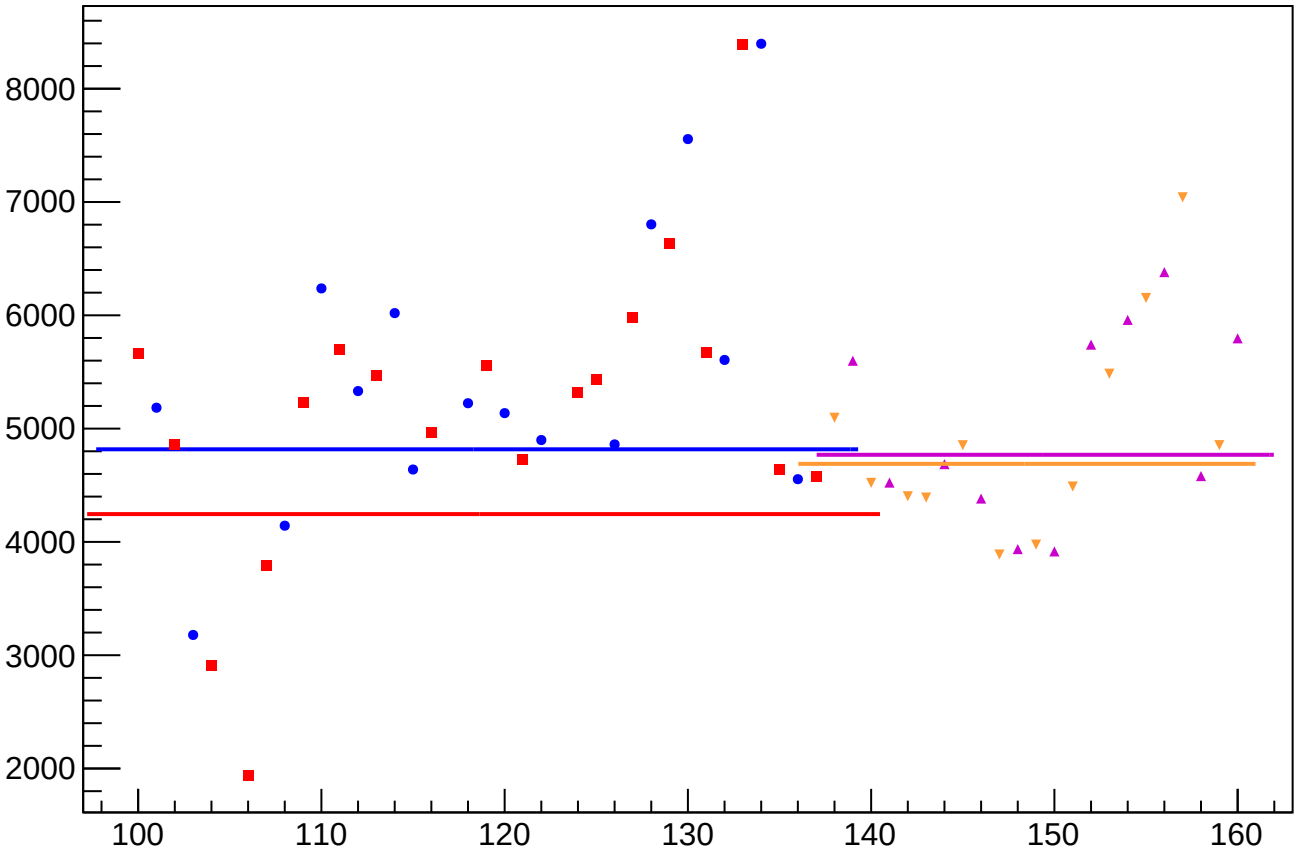
Left: 1132.816+/-1100.762 χ^2/NDF: 22.9/22

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 113.930+/-1195.680 χ^2/NDF:21.3/26

Out: 134.960+/-1134.146 χ^2/NDF:32.7/30

All: 125.000+/-822.856 χ^2/NDF: 54.0/57



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4688.916+/-1.093 χ^2/NDF:461135.4/11

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4768.980+/-1.109 χ^2/NDF:494862.0/10

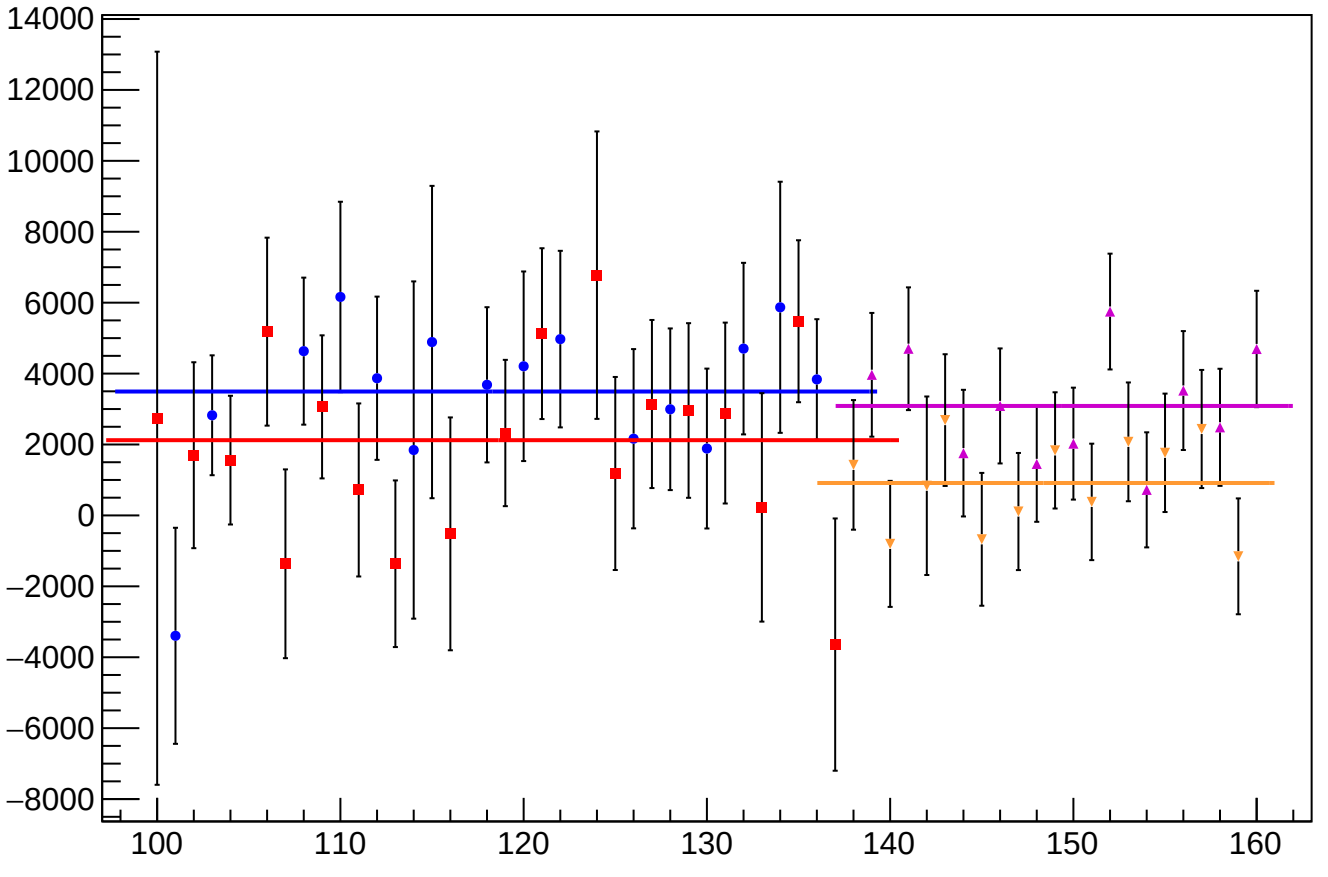
Left: 4728.375+/-0.778 χ^2/NDF: 958642.1/22

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4789.220+/-0.845 χ^2/NDF:1291089.5/26

Out: 4484.244+/-0.802 χ^2/NDF:2220261.2/30

All: 4628.682+/-0.582 χ^2/NDF: 3579843.1/57



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: 3087.318+/-501.212 χ^2/NDF:9.1/10

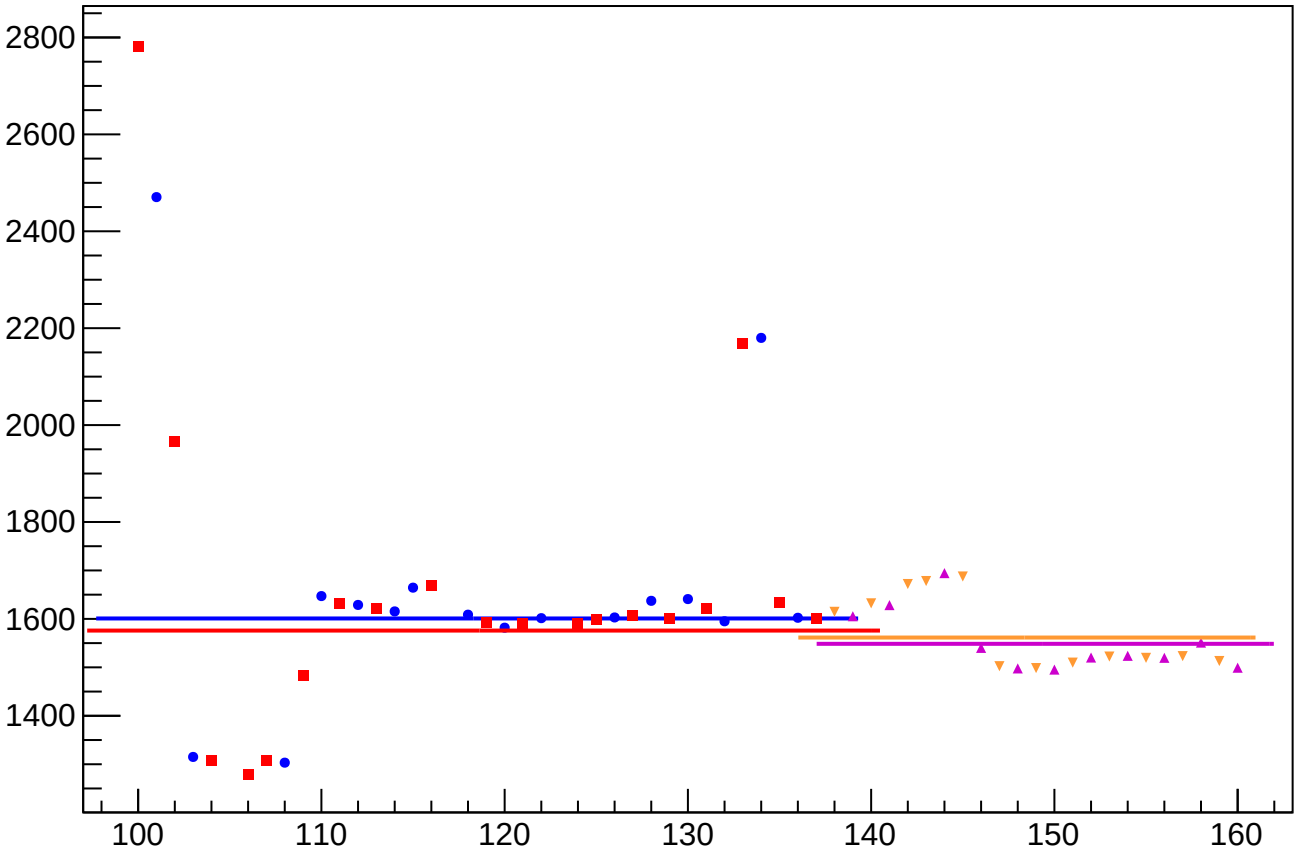
Left: 2010.890+/-356.035 χ^2/NDF: 24.9/22

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3254.098+/-384.971 χ^2/NDF:18.2/26

Out: 1428.314+/-383.363 χ^2/NDF:24.0/30

All: 2337.386+/-271.645 χ^2/NDF: 53.4/57



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: 1548.541+/-0.354 χ^2/NDF:27468.1/10

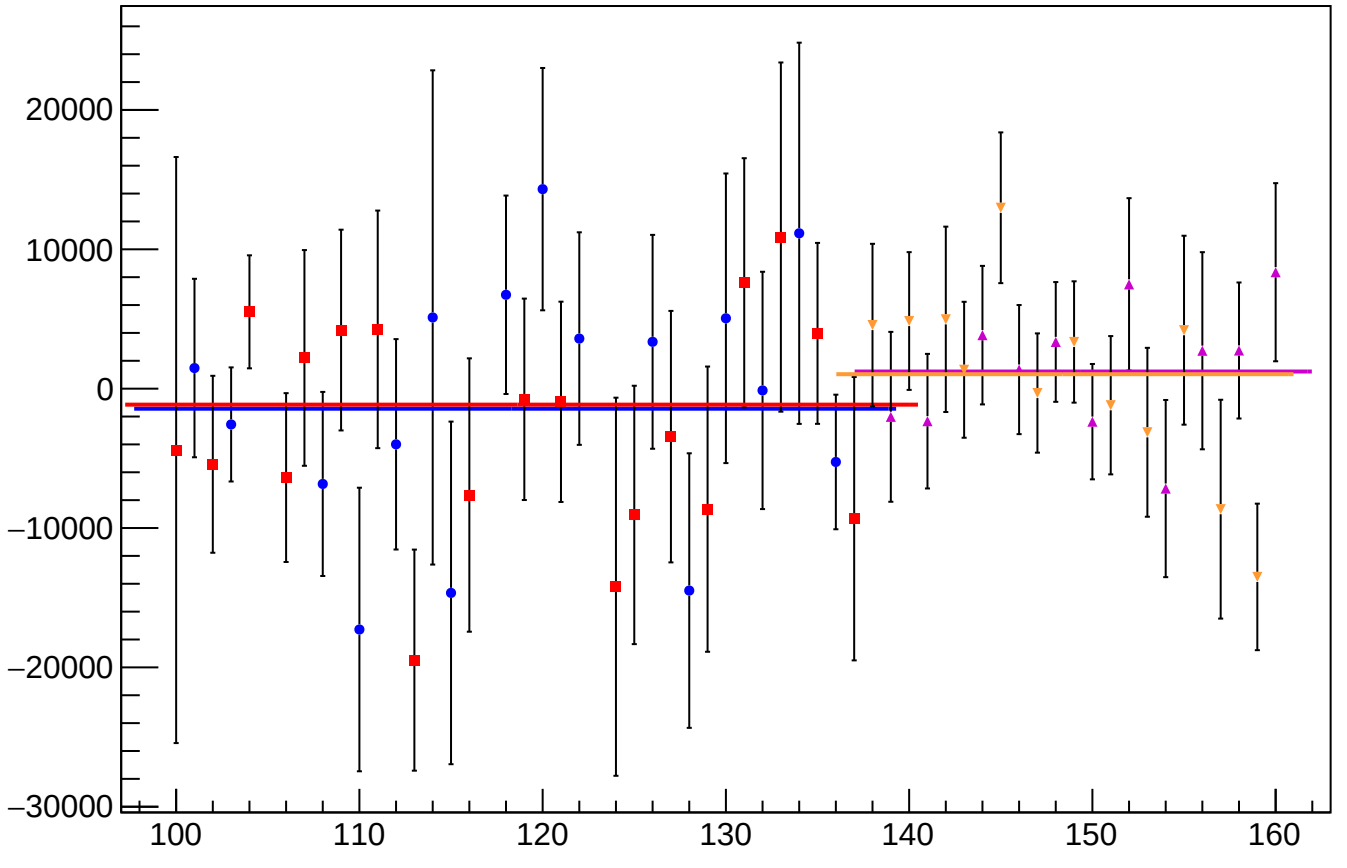
Left: 1554.968+/-0.252 χ^2/NDF: 66444.1/22

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1570.003+/-0.272 χ^2/NDF:353824.2/26

Out: 1567.665+/-0.271 χ^2/NDF:282335.9/30

All: 1568.827+/-0.192 χ^2/NDF: 636197.2/57



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: 1230.299+/-1567.974 χ^2/NDF:6.3/10

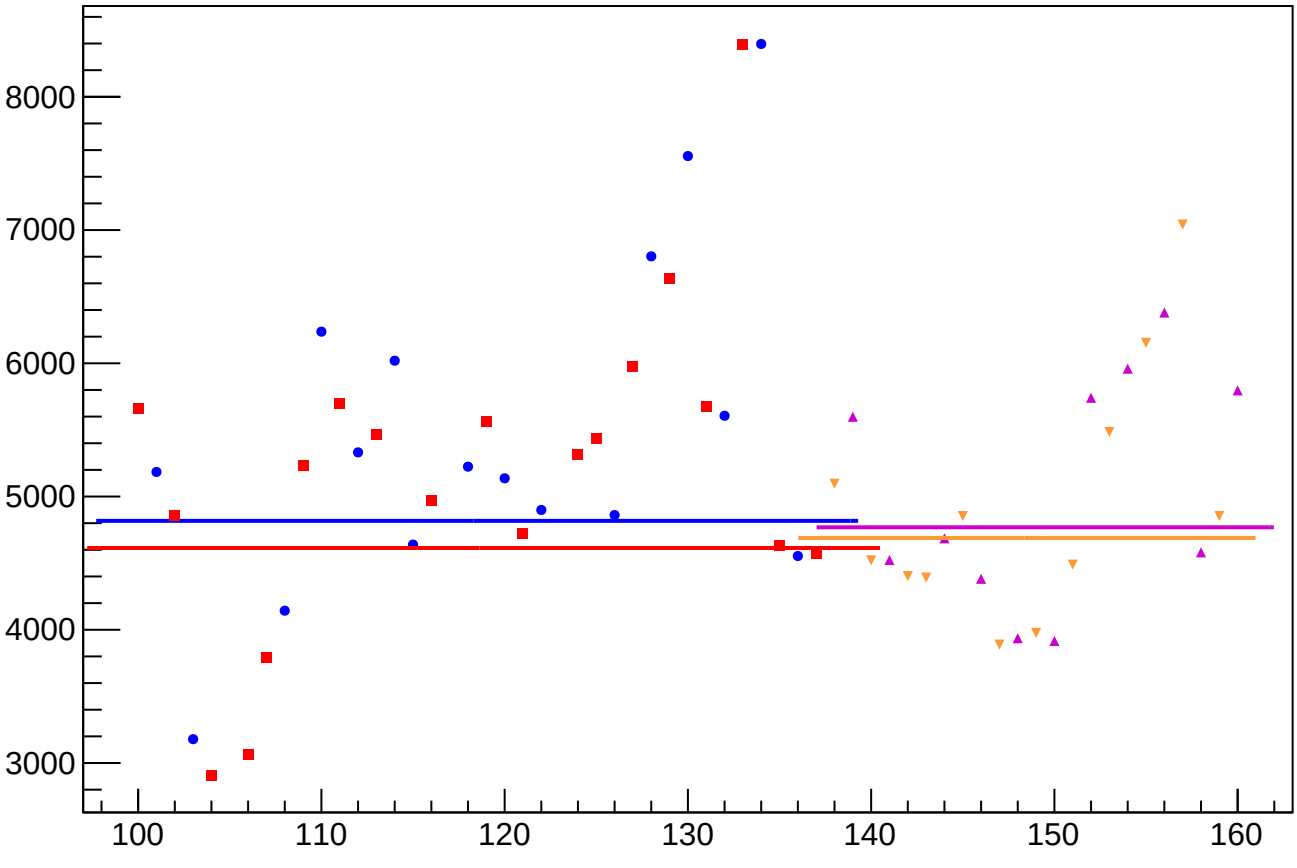
Left: 1132.842+/-1100.761 χ^2/NDF: 22.9/22

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 113.920+/-1195.691 χ^2/NDF:21.3/26

Out: 90.279+/-1162.930 χ^2/NDF:33.8/30

All: 101.771+/-833.657 χ^2/NDF: 55.1/57



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: 4768.980+/-1.109 χ^2/NDF:494863.3/10

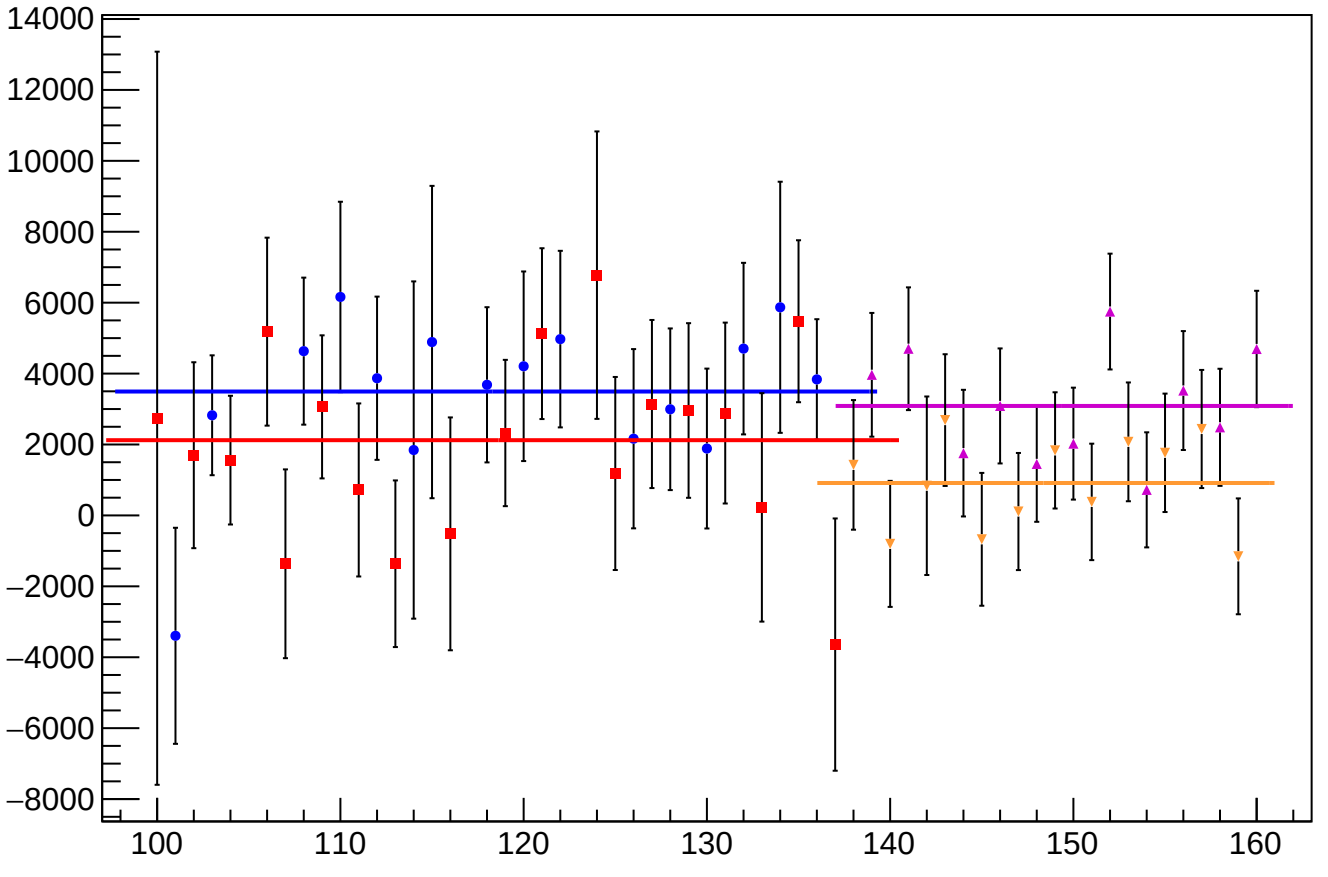
Left: 4728.370+/-0.778 χ^2/NDF: 958651.2/22

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4789.276+/-0.845 χ^2/NDF:1290897.4/26

Out: 4656.336+/-0.822 χ^2/NDF:1441147.1/30

All: 4720.960+/-0.589 χ^2/NDF: 2744749.4/57



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: 3087.318+/-501.212 χ^2/NDF:9.1/10

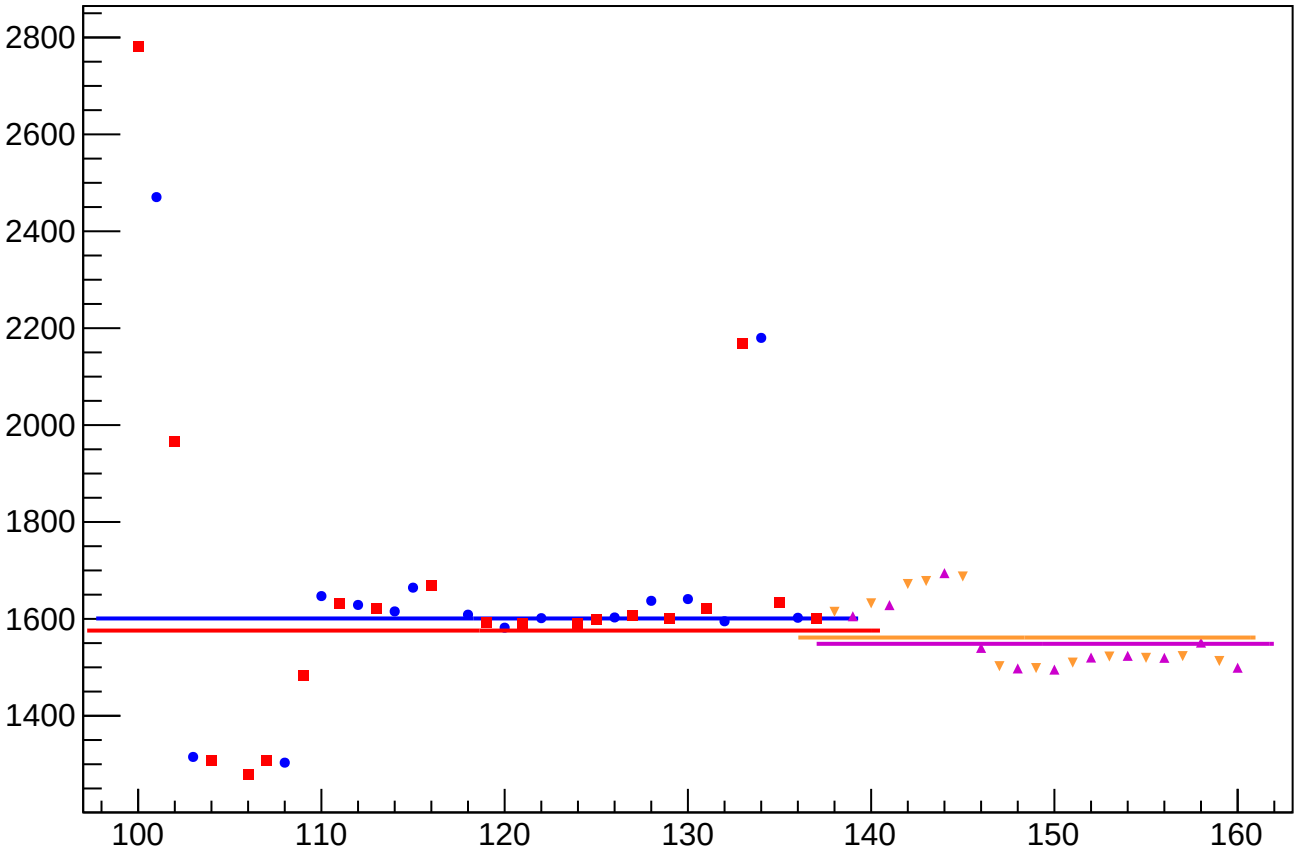
Left: 2010.890+/-356.035 χ^2/NDF: 24.9/22

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3254.098+/-384.971 χ^2/NDF:18.2/26

Out: 1428.314+/-383.363 χ^2/NDF:24.0/30

All: 2337.386+/-271.645 χ^2/NDF: 53.4/57



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: 1548.541+/-0.354 χ^2/NDF:27468.1/10

Left: 1554.968+/-0.252 χ^2/NDF: 66444.1/22

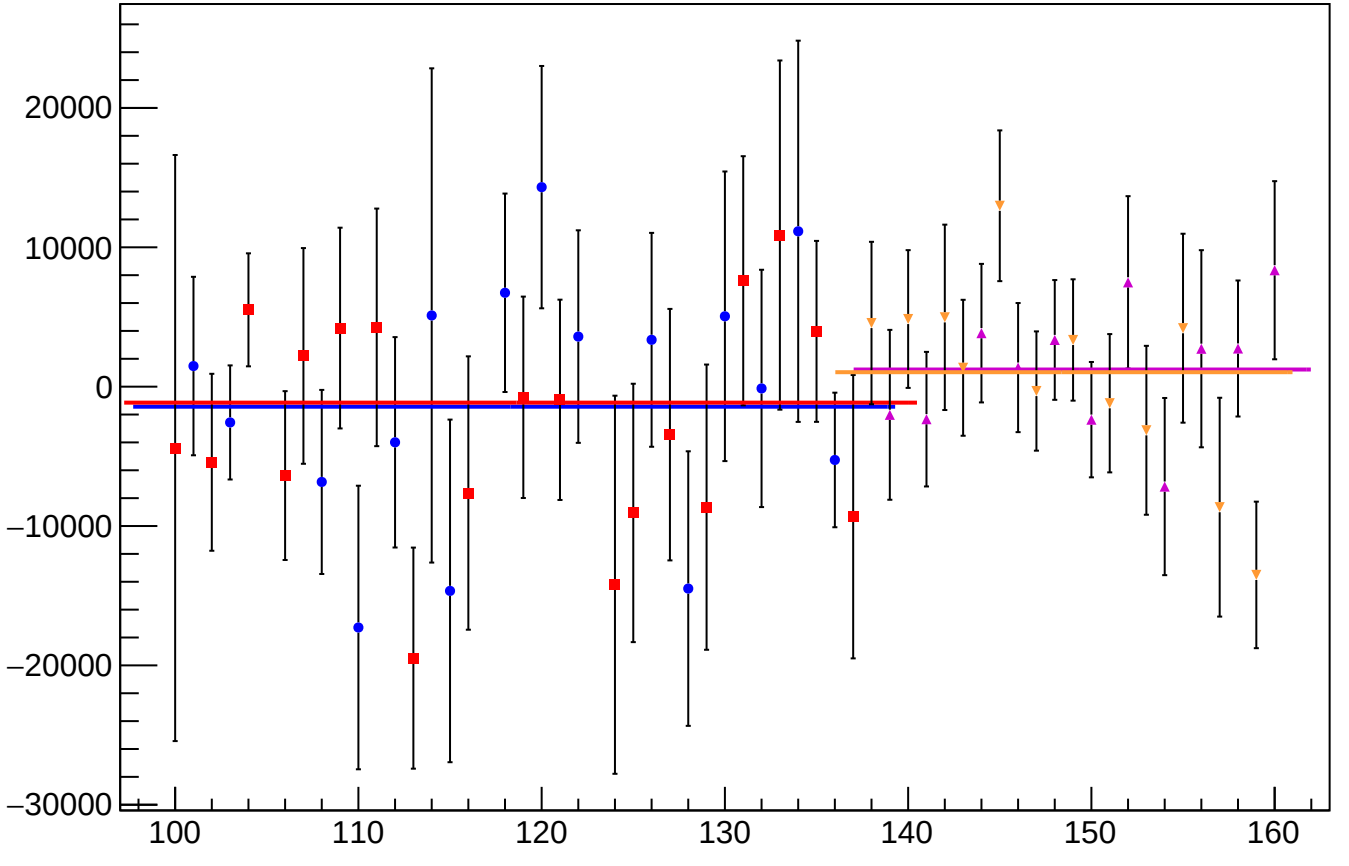
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1570.003+/-0.272 χ^2/NDF:353824.2/26

Out: 1567.665+/-0.271 χ^2/NDF:282335.9/30

All: 1568.827+/-0.192 χ^2/NDF: 636197.2/57

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: 1230.299+/-1567.974 χ^2/NDF:6.3/10

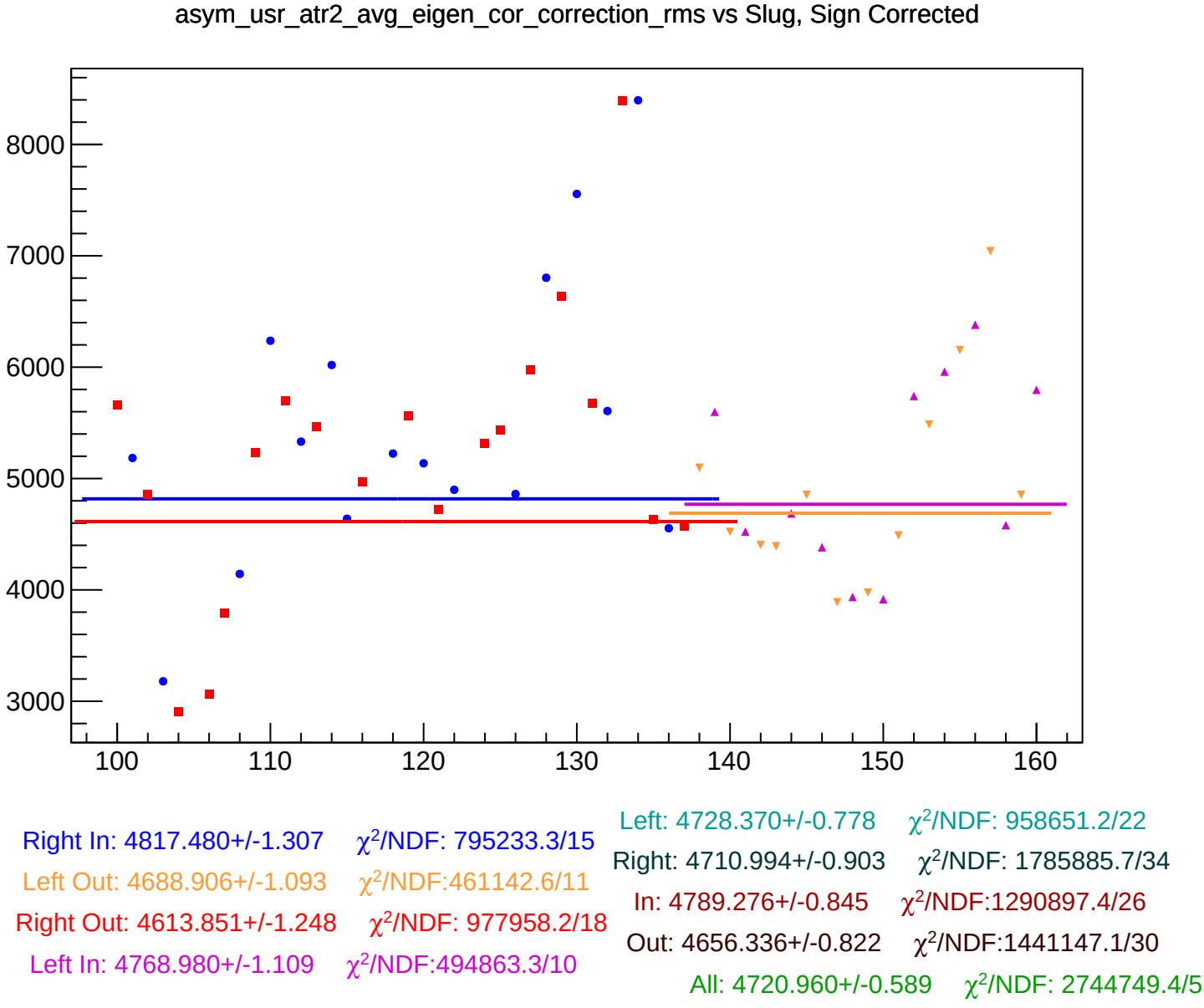
Left: 1132.842+/-1100.761 χ^2/NDF: 22.9/22

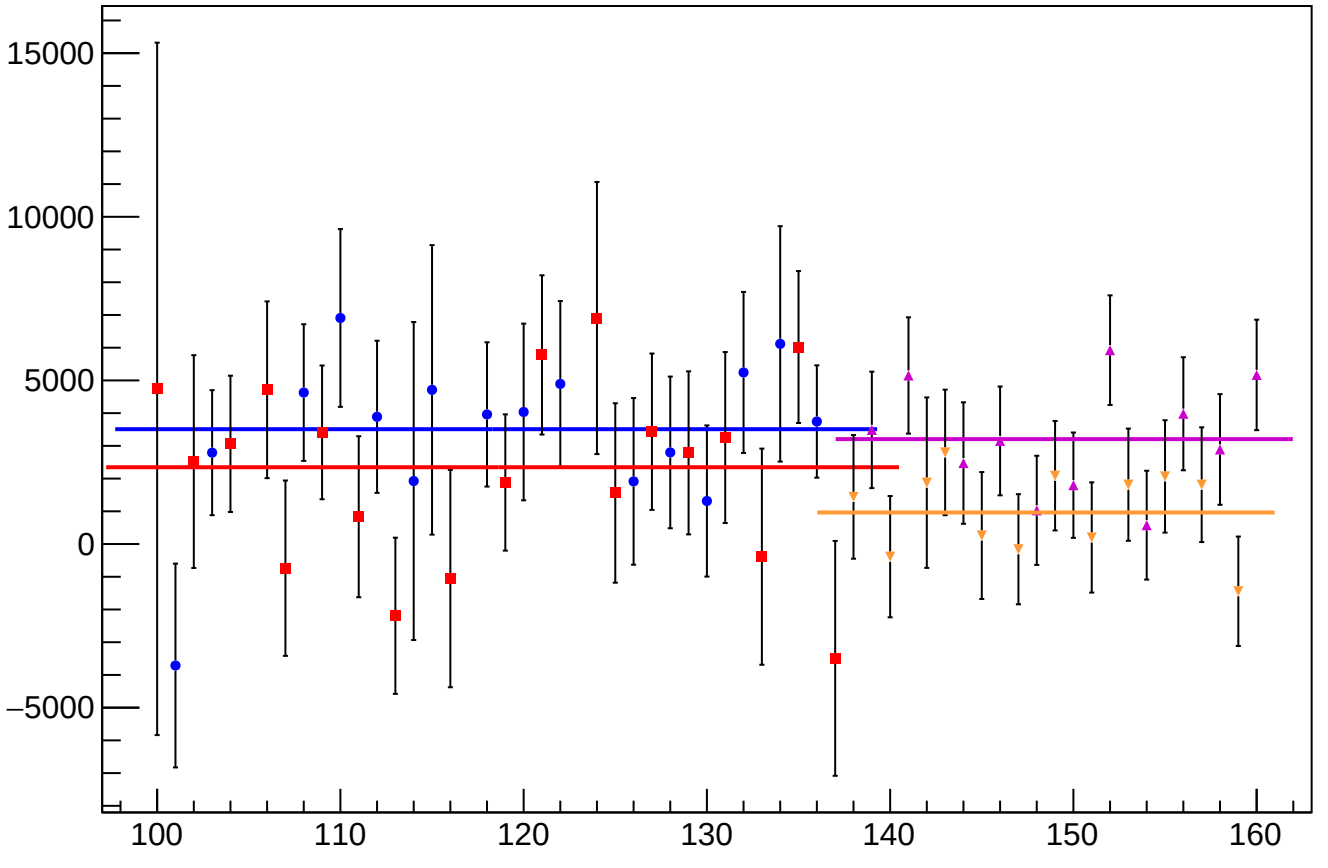
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 113.920+/-1195.691 χ^2/NDF:21.3/26

Out: 90.279+/-1162.930 χ^2/NDF:33.8/30

All: 101.771+/-833.657 χ^2/NDF: 55.1/57


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: 4768.980+/-1.109 χ²/NDF:494863.3/10
Left: 4728.370+/-0.778 χ²/NDF: 958651.2/22
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4789.276+/-0.845 χ²/NDF:1290897.4/26
Out: 4656.336+/-0.822 χ²/NDF:1441147.1/30
All: 4720.960+/-0.589 χ²/NDF: 2744749.4/57



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: 3206.925+/-514.098 χ^2/NDF:10.6/10

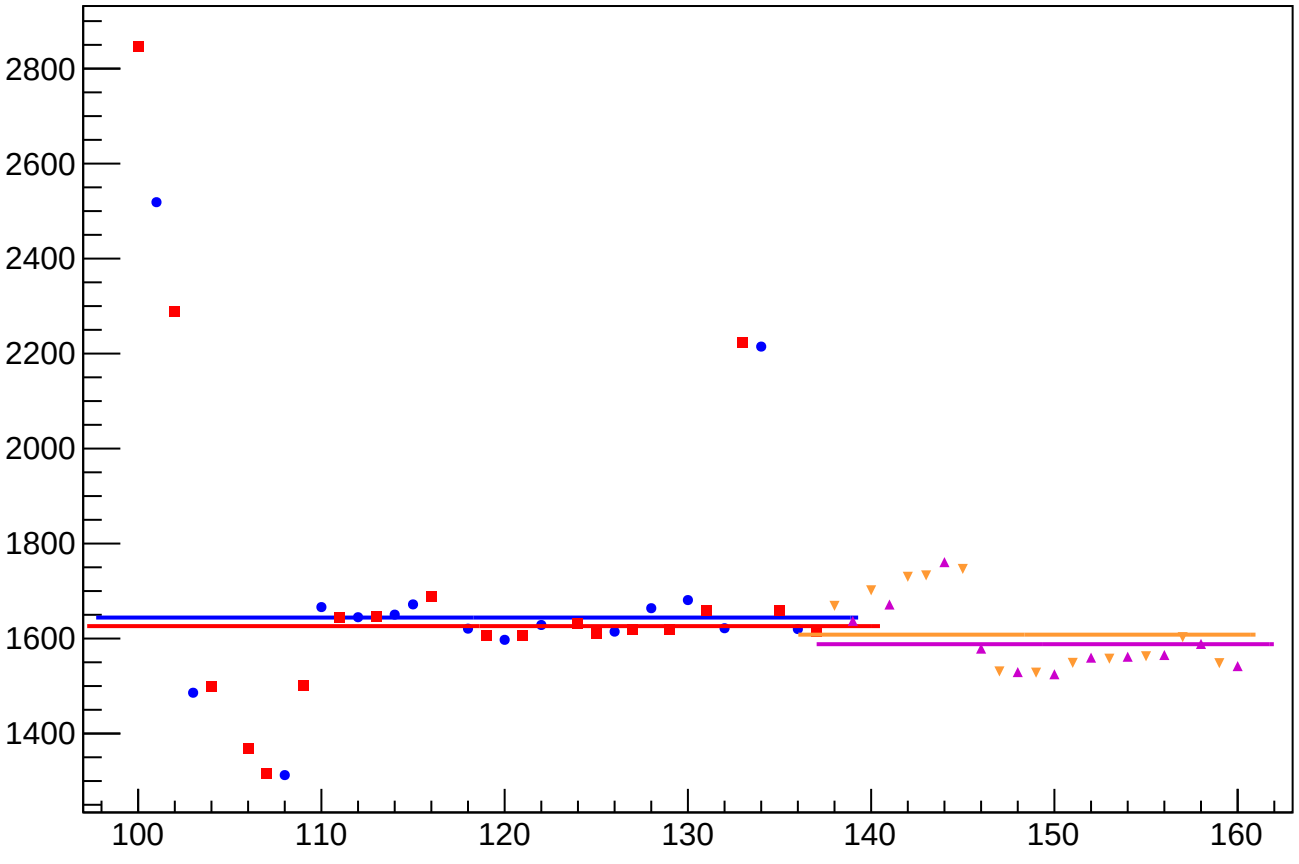
Left: 2100.813+/-365.978 χ^2/NDF: 25.8/22

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

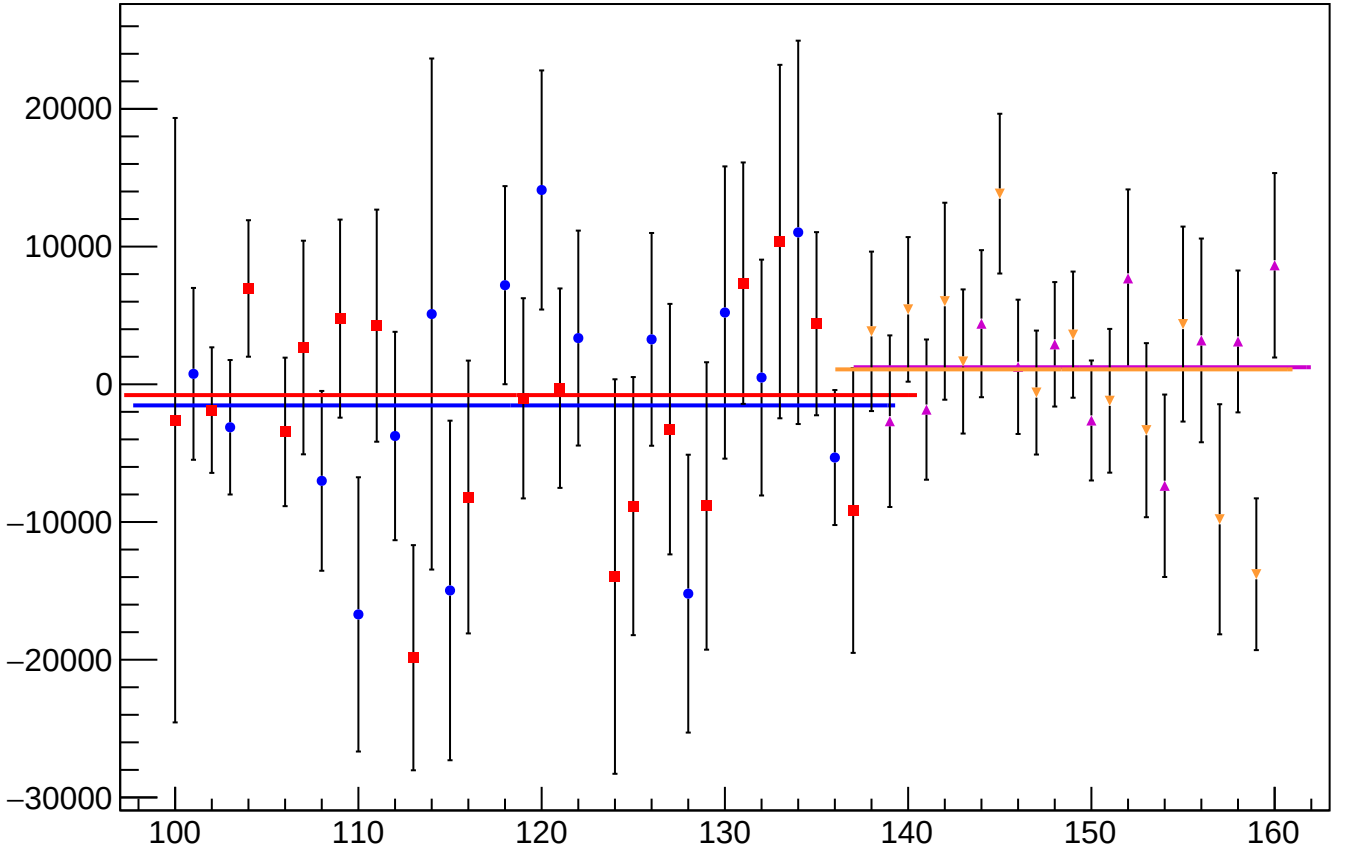
In: 3330.980+/-394.890 χ^2/NDF:21.1/26

Out: 1550.374+/-395.531 χ^2/NDF:25.9/30

All: 2442.120+/-279.456 χ^2/NDF: 57.2/57


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: 274817.9/15
Left Out: 1608.197+/-0.368 χ²/NDF:47207.2/11
Right Out: 1626.174+/-0.429 χ²/NDF: 237639.1/18
Left In: 1588.120+/-0.364 χ²/NDF:31827.4/10
Left: 1598.023+/-0.259 χ²/NDF: 80539.0/22
Right: 1635.043+/-0.306 χ²/NDF: 513324.8/34
In: 1611.112+/-0.279 χ²/NDF:316401.8/26
Out: 1615.825+/-0.280 χ²/NDF:285856.4/30
All: 1613.466+/-0.198 χ²/NDF: 602400.5/57

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1239.095+/-1648.148 χ^2/NDF:6.1/10

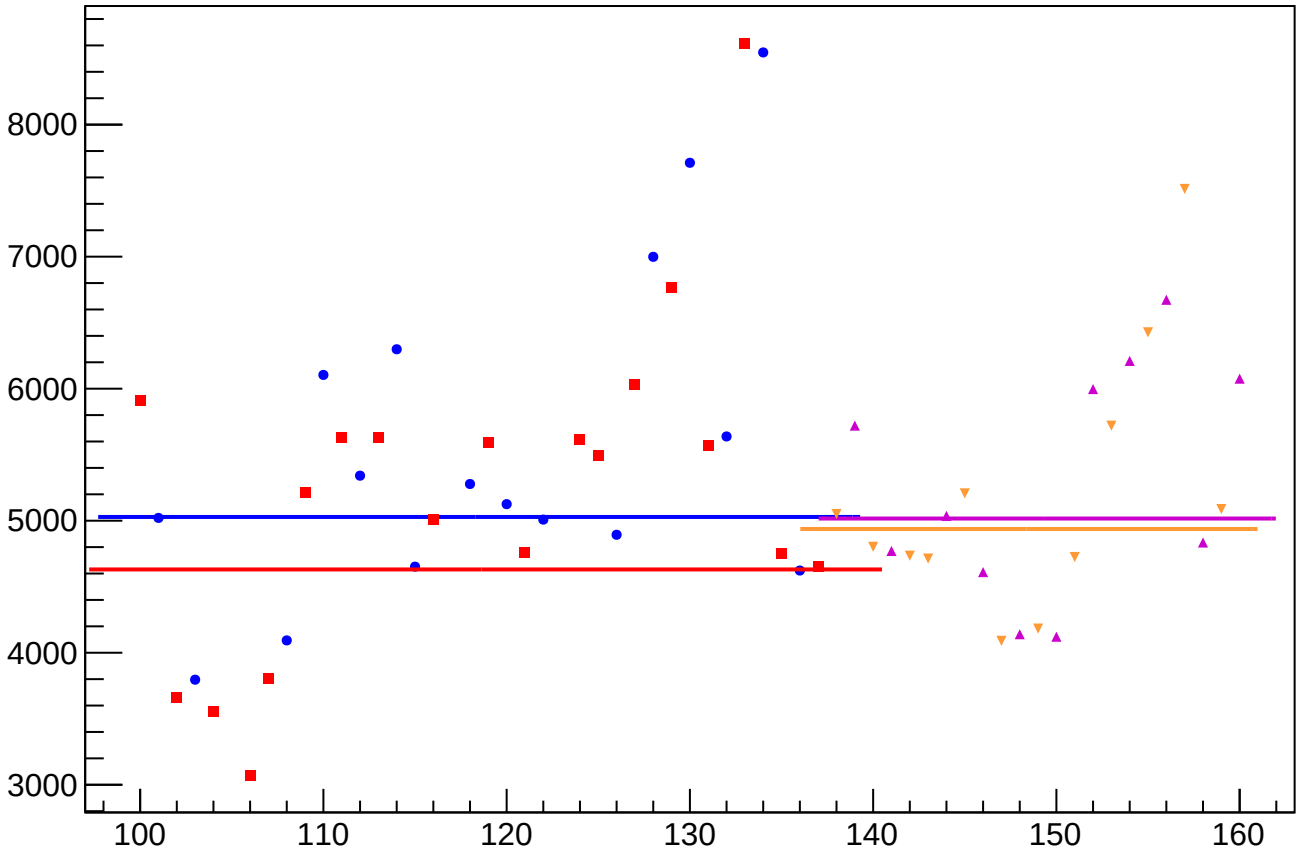
Left: 1160.392+/-1157.797 χ^2/NDF: 22.7/22

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 59.026+/-1248.865 χ^2/NDF:21.2/26

Out: 217.036+/-1191.046 χ^2/NDF:32.2/30

All: 141.773+/-861.912 χ^2/NDF: 53.5/57



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: 5016.514+/-1.165 χ^2/NDF:467612.4/10

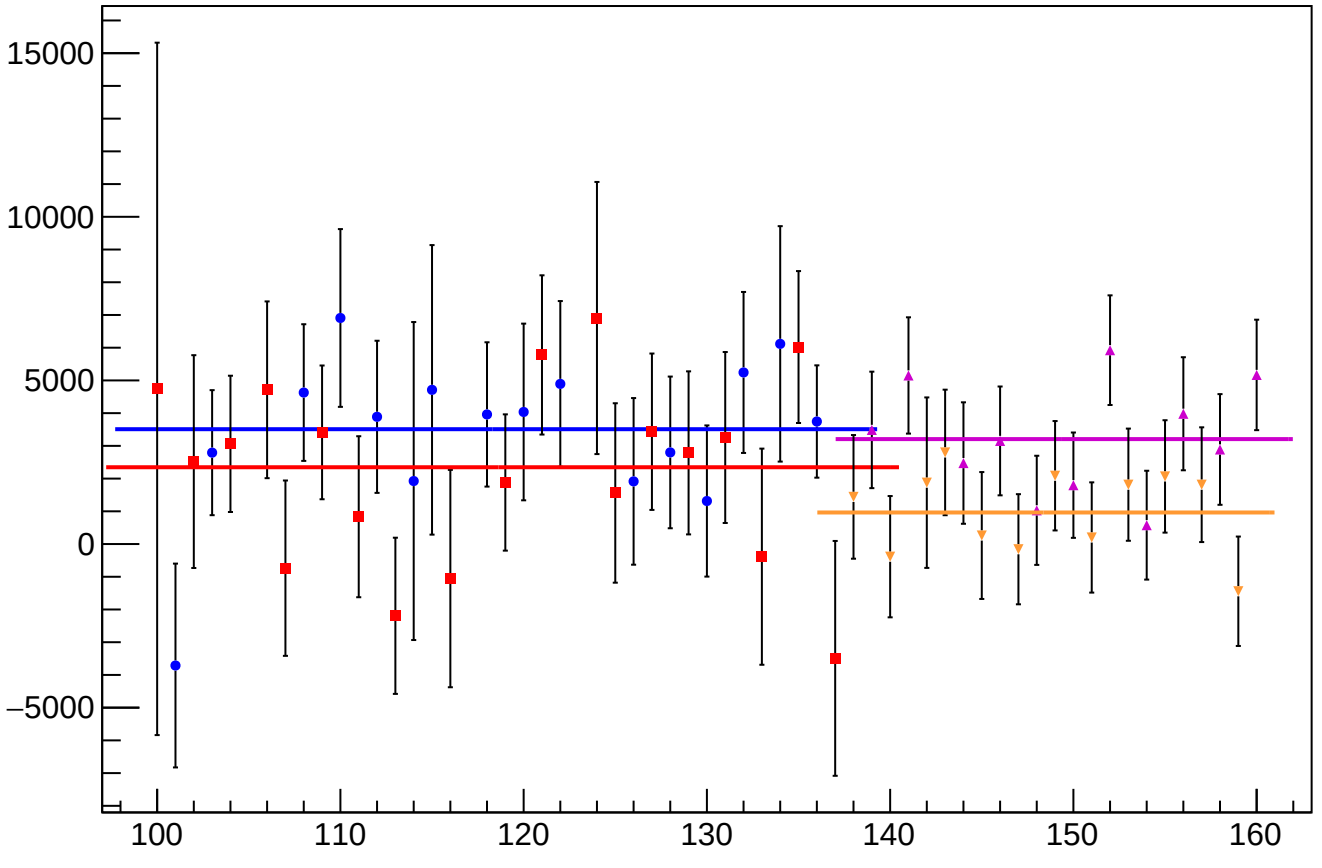
Left: 4976.401+/-0.819 χ^2/NDF: 920821.4/22

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5021.596+/-0.883 χ^2/NDF:1033126.5/26

Out: 4795.150+/-0.842 χ^2/NDF:1347306.7/30

All: 4903.010+/-0.609 χ^2/NDF: 2414868.3/57



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: 3206.927+/-514.099 χ^2/NDF:10.6/10

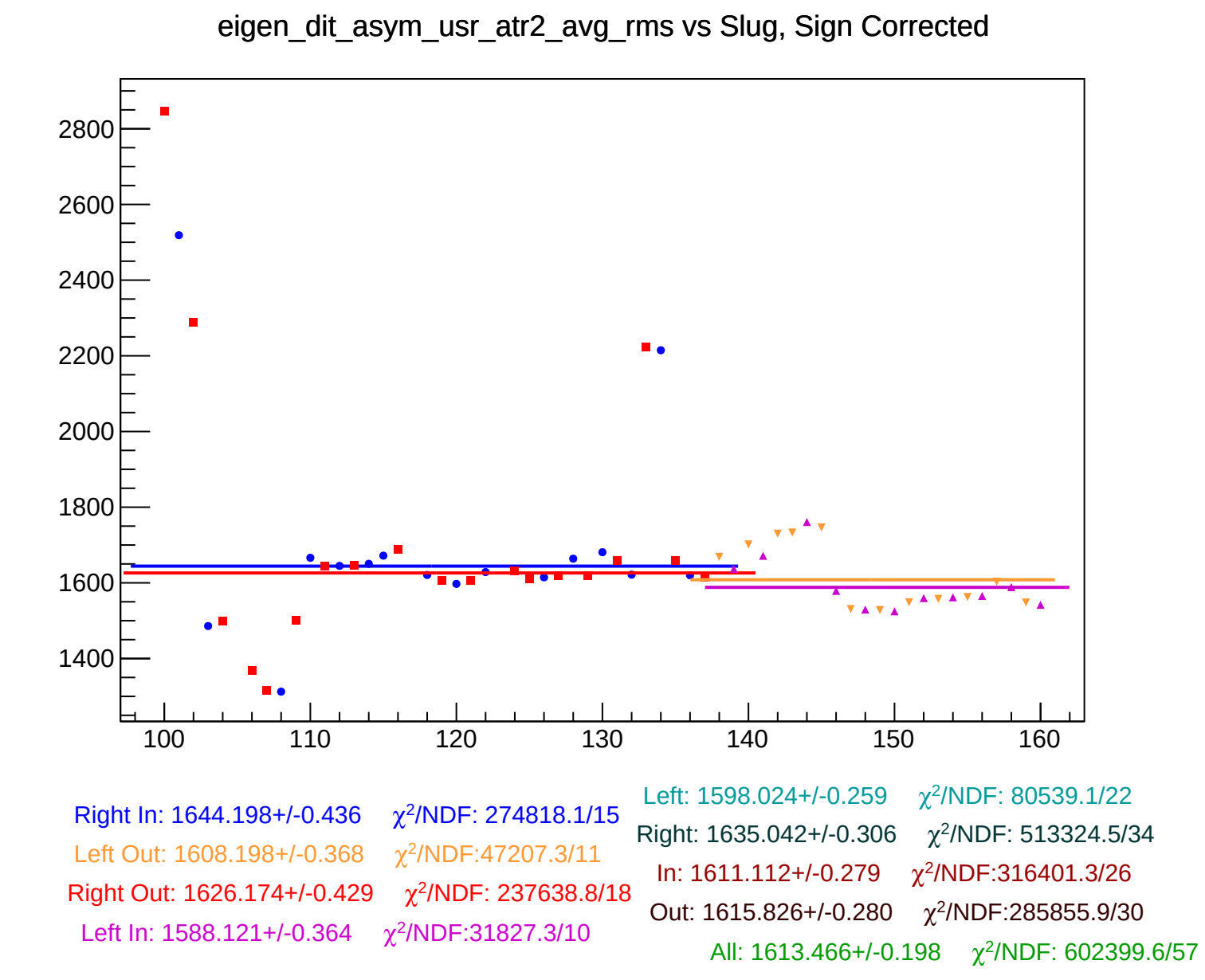
Left: 2100.809+/-365.978 χ^2/NDF: 25.8/22

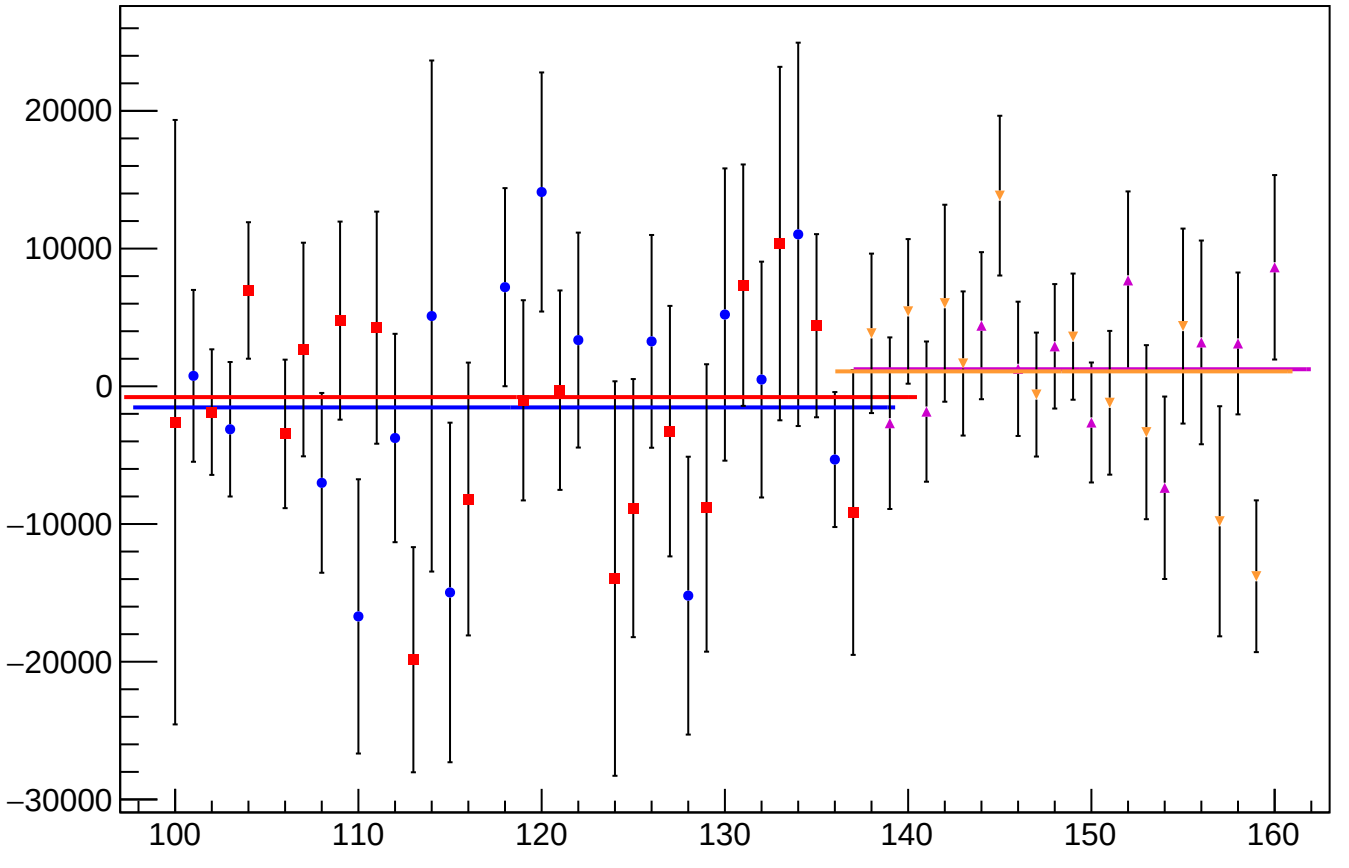
Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3330.982+/-394.891 χ^2/NDF:21.1/26

Out: 1550.372+/-395.531 χ^2/NDF:25.9/30

All: 2442.120+/-279.456 χ^2/NDF: 57.2/57


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: 1588.121+/-0.364 χ²/NDF:31827.3/10
Left: 1598.024+/-0.259 χ²/NDF: 80539.1/22
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1611.112+/-0.279 χ²/NDF:316401.3/26
Out: 1615.826+/-0.280 χ²/NDF:285855.9/30
All: 1613.466+/-0.198 χ²/NDF: 602399.6/57



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: 1239.094+/-1648.150 χ^2/NDF:6.1/10

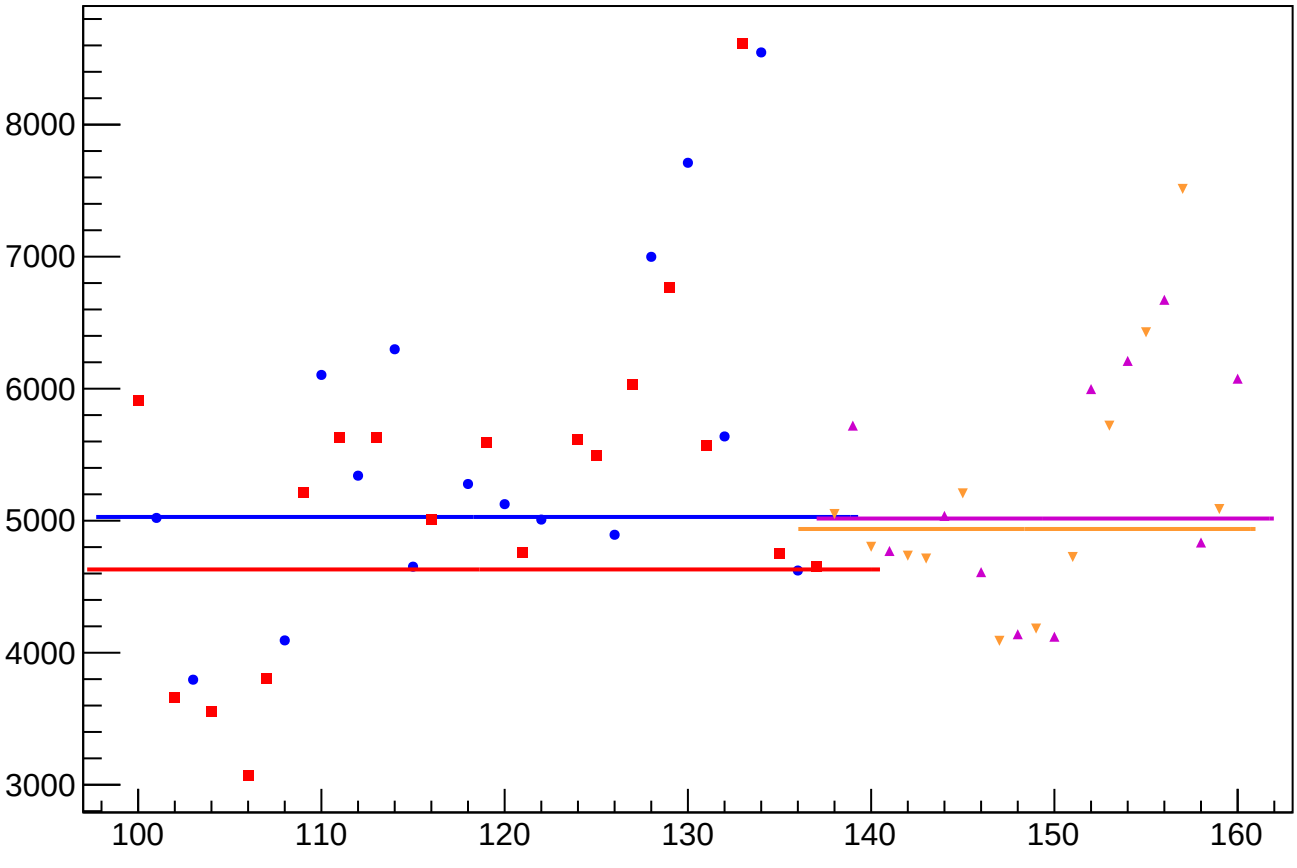
Left: 1160.389+/-1157.798 χ^2/NDF: 22.7/22

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 59.028+/-1248.865 χ^2/NDF:21.2/26

Out: 217.030+/-1191.046 χ^2/NDF:32.2/30

All: 141.771+/-861.913 χ^2/NDF: 53.5/57



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: 5016.521+/-1.165 χ^2/NDF:467611.0/10

Left: 4976.408+/-0.819 χ^2/NDF: 920819.4/22

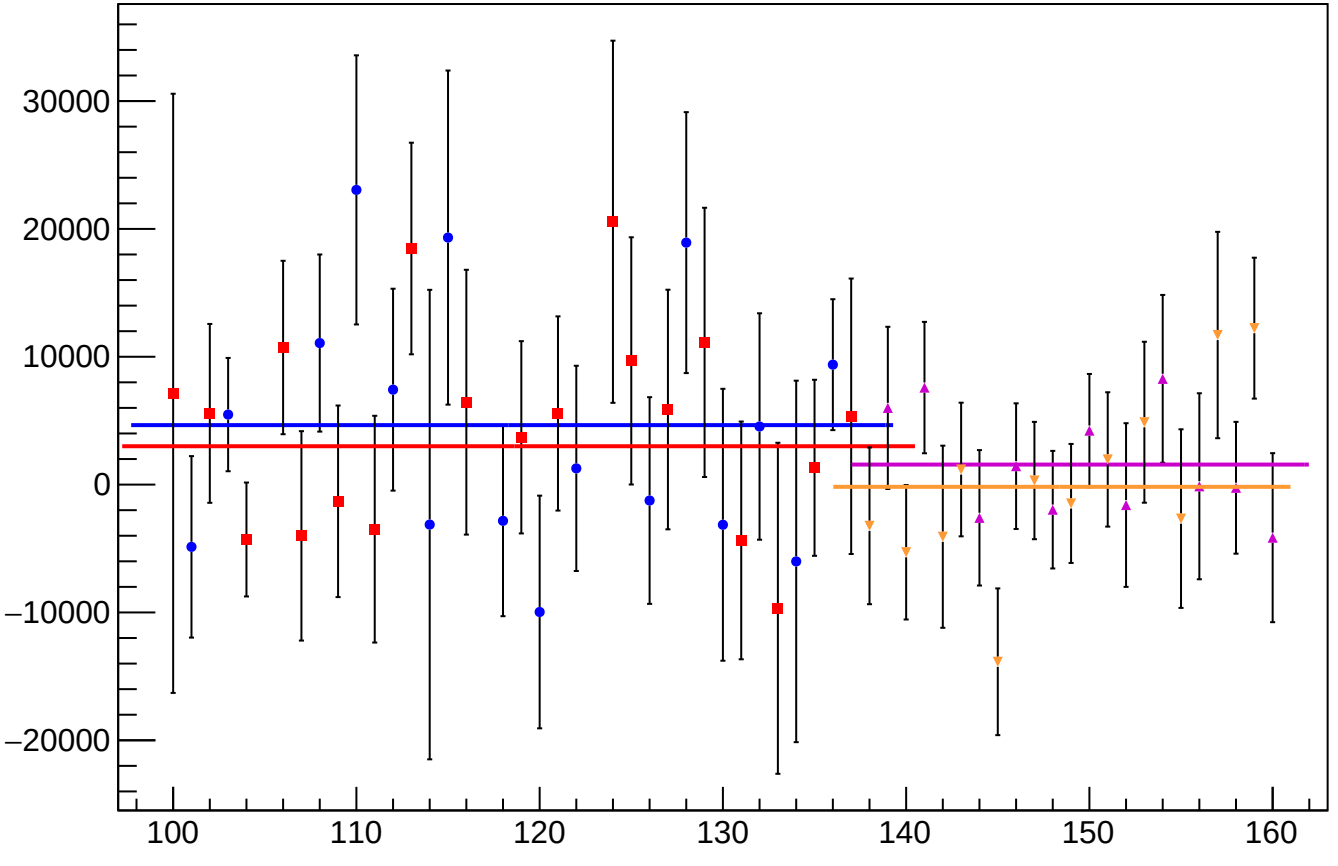
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5021.598+/-0.883 χ^2/NDF:1033118.7/26

Out: 4795.150+/-0.842 χ^2/NDF:1347303.2/30

All: 4903.011+/-0.609 χ^2/NDF: 2414857.2/57

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: 1567.693+/-1655.228 χ^2/NDF:5.6/10

Left: 686.630+/-1163.831 χ^2/NDF: 21.7/22

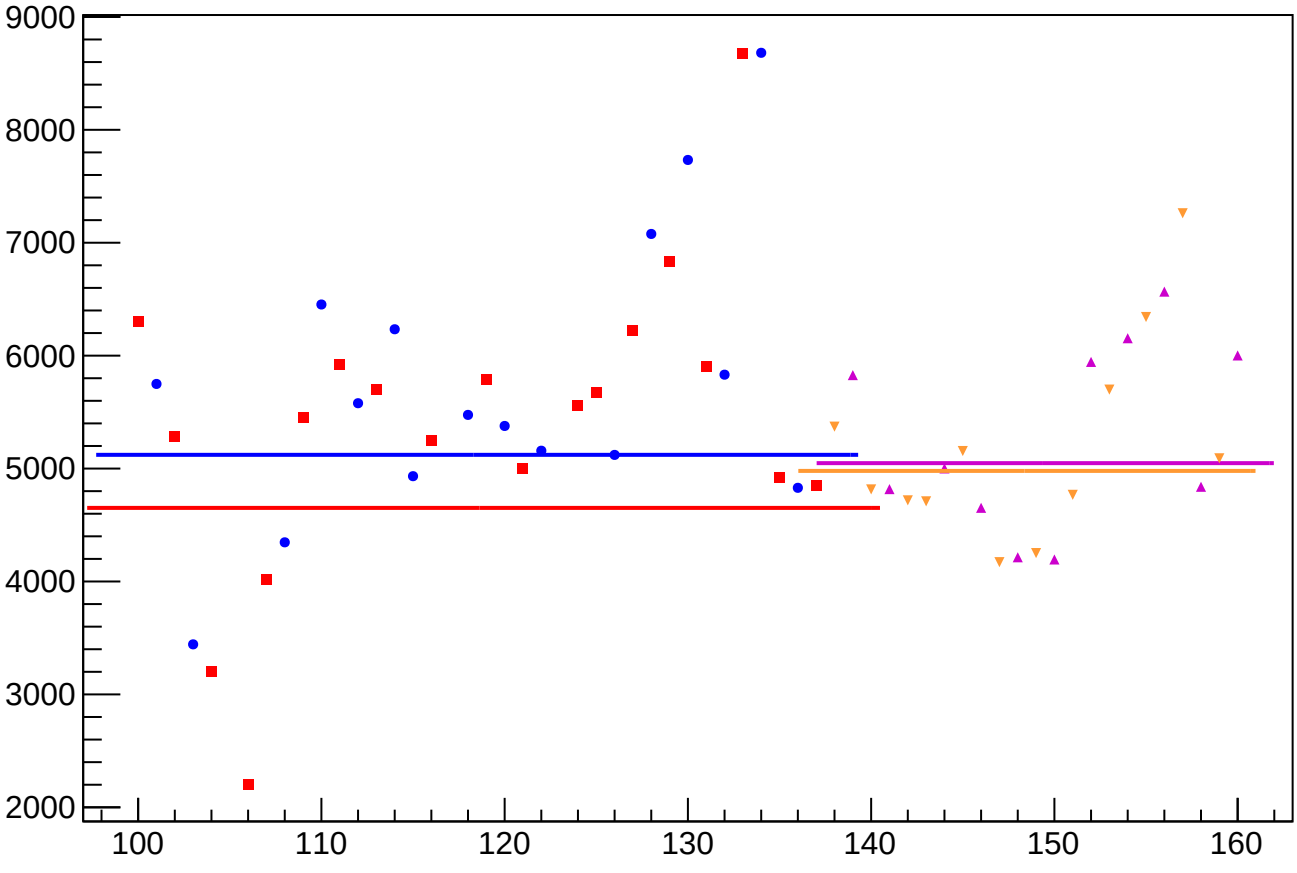
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2853.292+/-1264.202 χ^2/NDF:22.6/26

Out: 1192.091+/-1235.253 χ^2/NDF:31.0/30

All: 2003.454+/-883.513 χ^2/NDF: 54.5/57

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: 5048.066+/-1.170 χ^2/NDF:415274.8/10

Left: 5013.312+/-0.823 χ^2/NDF: 814148.2/22

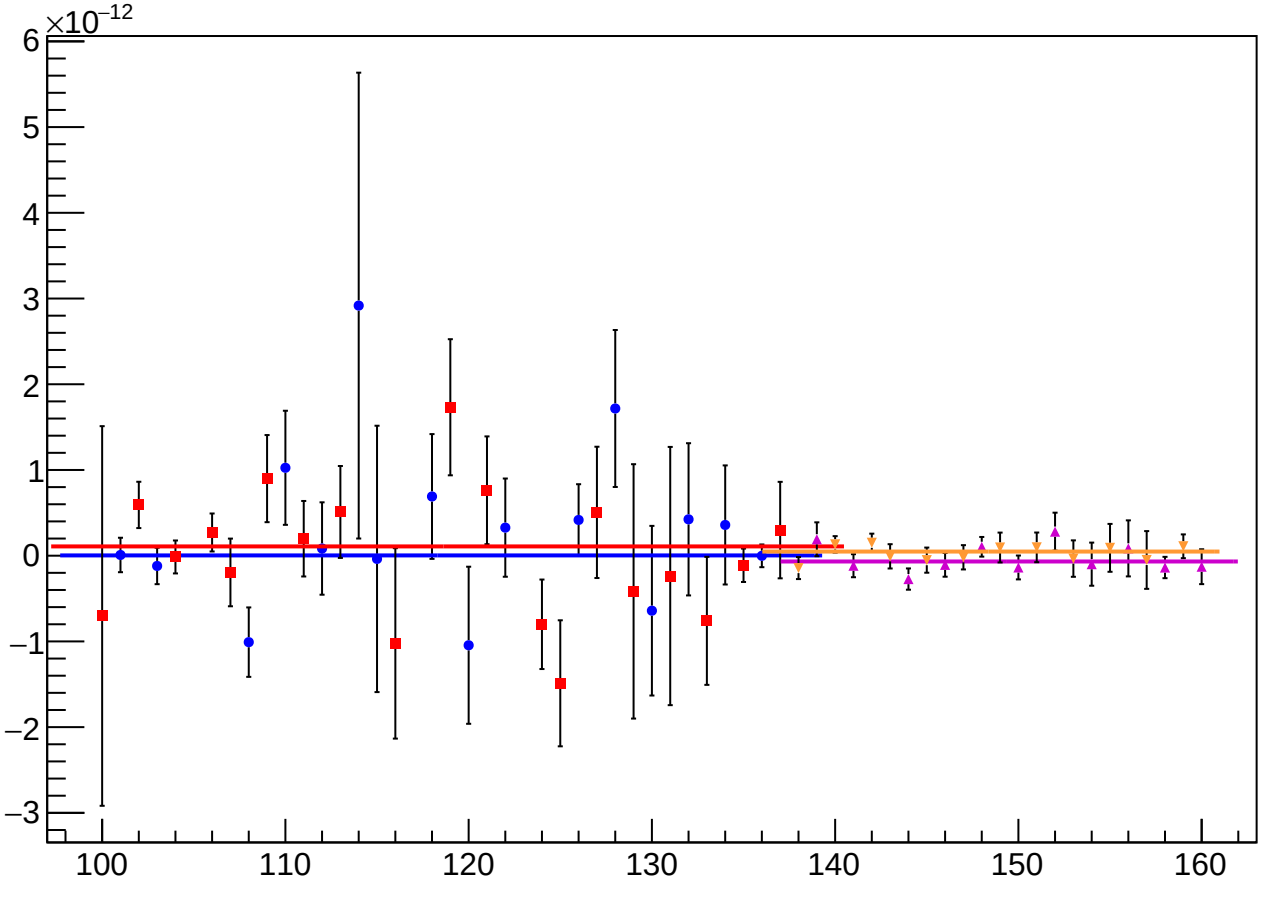
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5078.723+/-0.894 χ^2/NDF:1137291.5/26

Out: 4832.017+/-0.859 χ^2/NDF:1778026.9/30

All: 4950.395+/-0.619 χ^2/NDF: 2954937.1/57

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:10.3/10

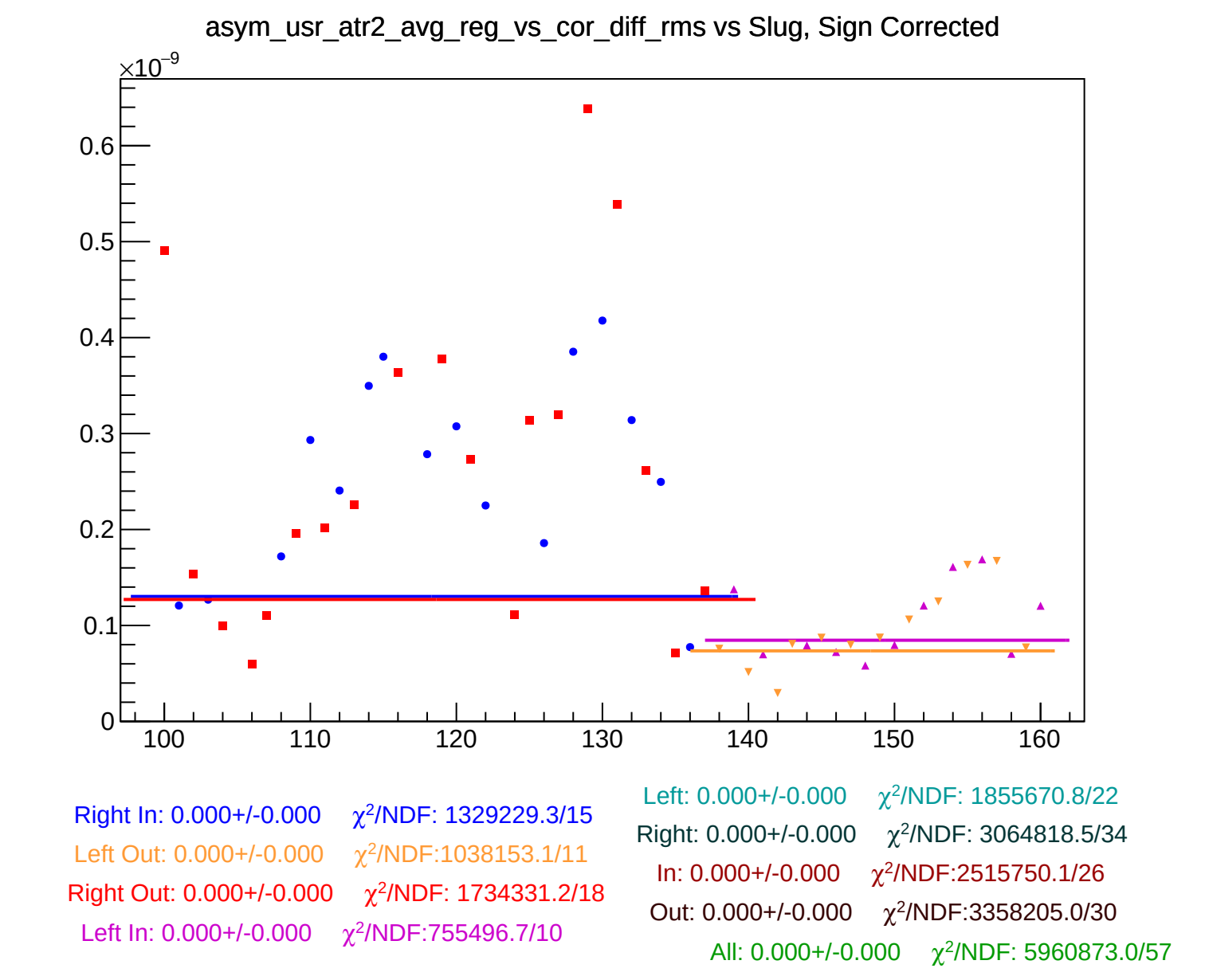
Left: -0.000+/-0.000 χ^2/NDF: 19.1/22

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

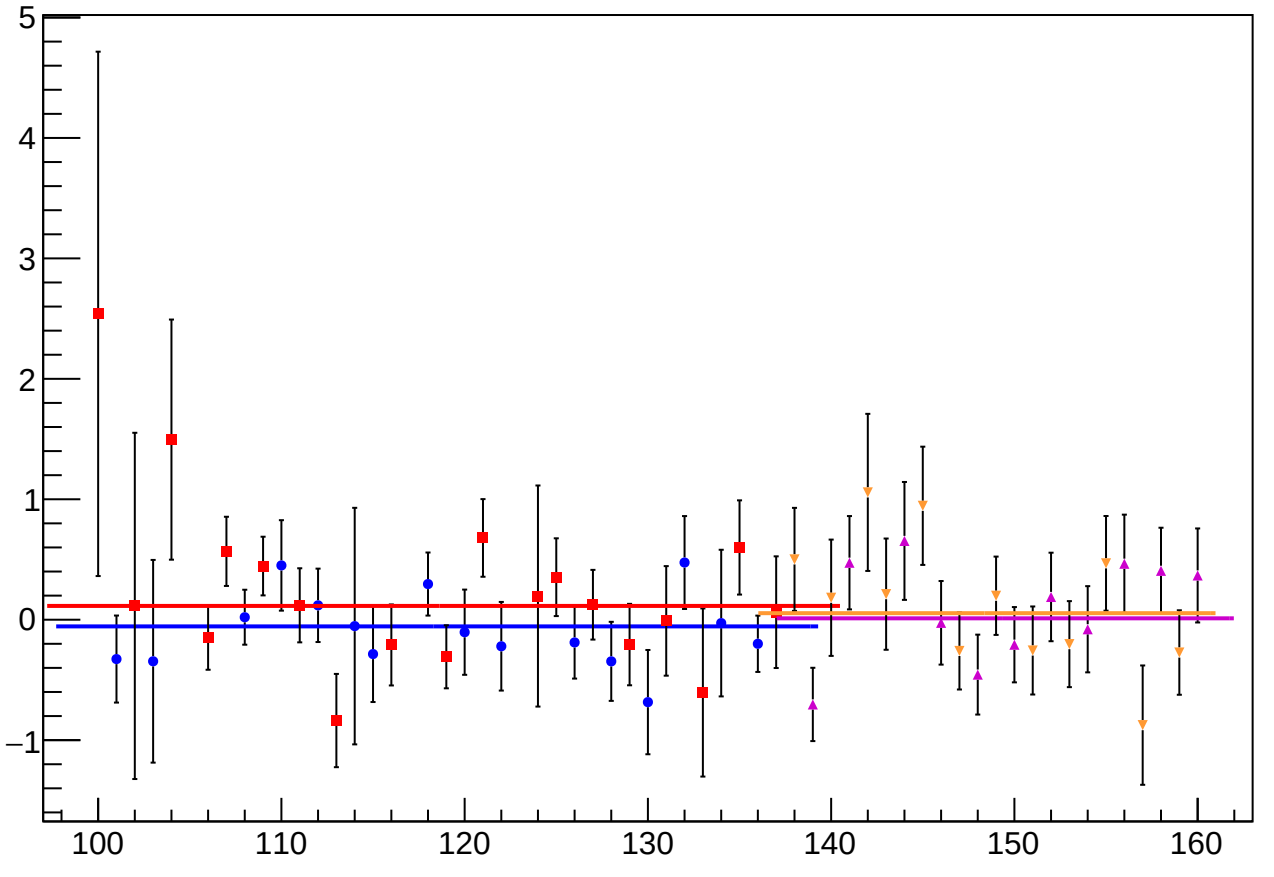
In: -0.000+/-0.000 χ^2/NDF:28.8/26

Out: 0.000+/-0.000 χ^2/NDF:30.9/30

All: 0.000+/-0.000 χ^2/NDF: 63.7/57


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:755496.7/10
Left: 0.000+/-0.000 χ²/NDF: 1855670.8/22
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2515750.1/26
Out: 0.000+/-0.000 χ²/NDF:3358205.0/30
All: 0.000+/-0.000 χ²/NDF: 5960873.0/57

asym_usr_atr2_avg_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: 0.011+/-0.109 χ^2/NDF:14.7/10

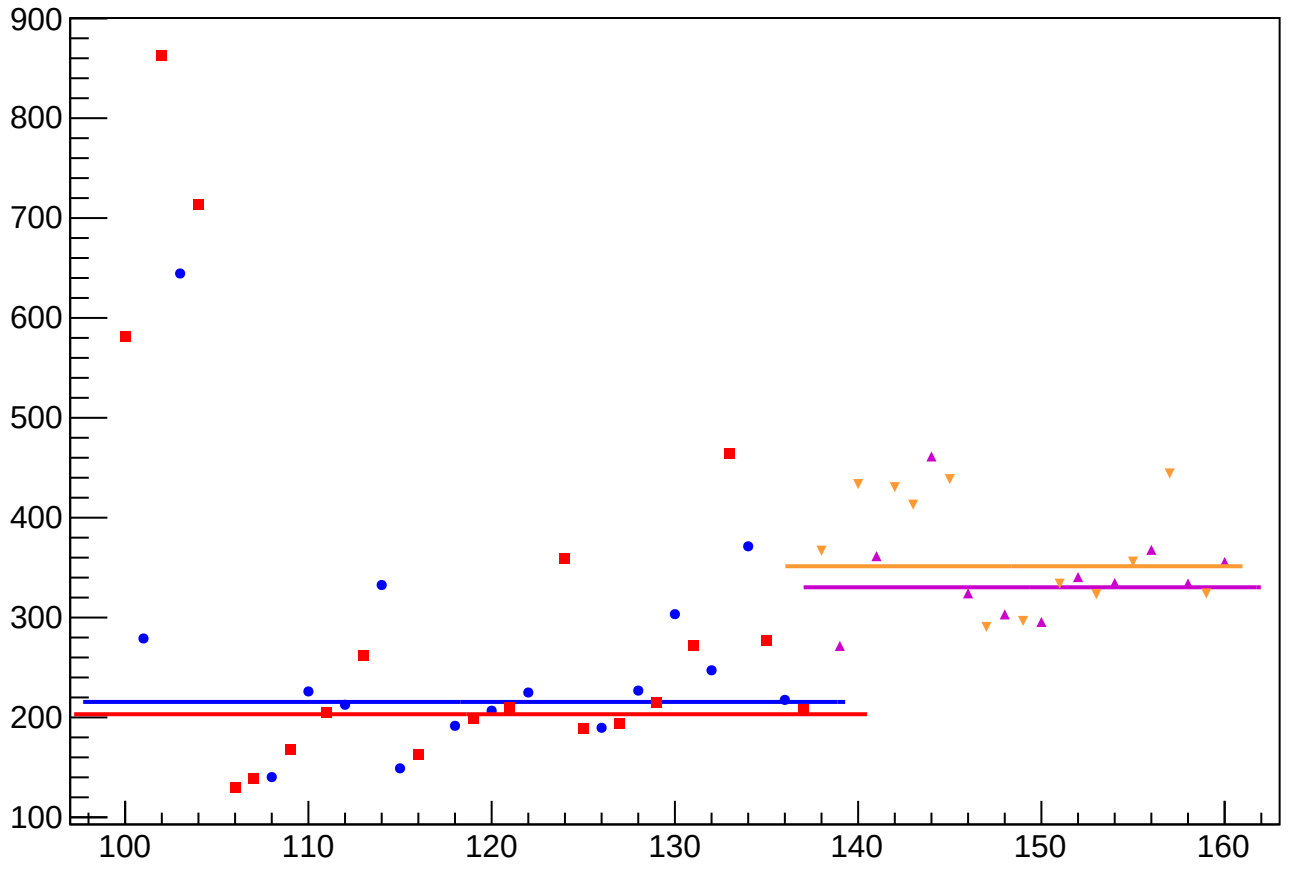
Left: 0.031+/-0.079 χ^2/NDF: 29.6/22

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.094+/-0.068 χ^2/NDF:40.2/30

All: 0.032+/-0.048 χ^2/NDF: 67.6/57



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: 330.309+/-0.077 χ^2/NDF:296694.7/10

Left: 340.132+/-0.056 χ^2/NDF: 749304.8/22

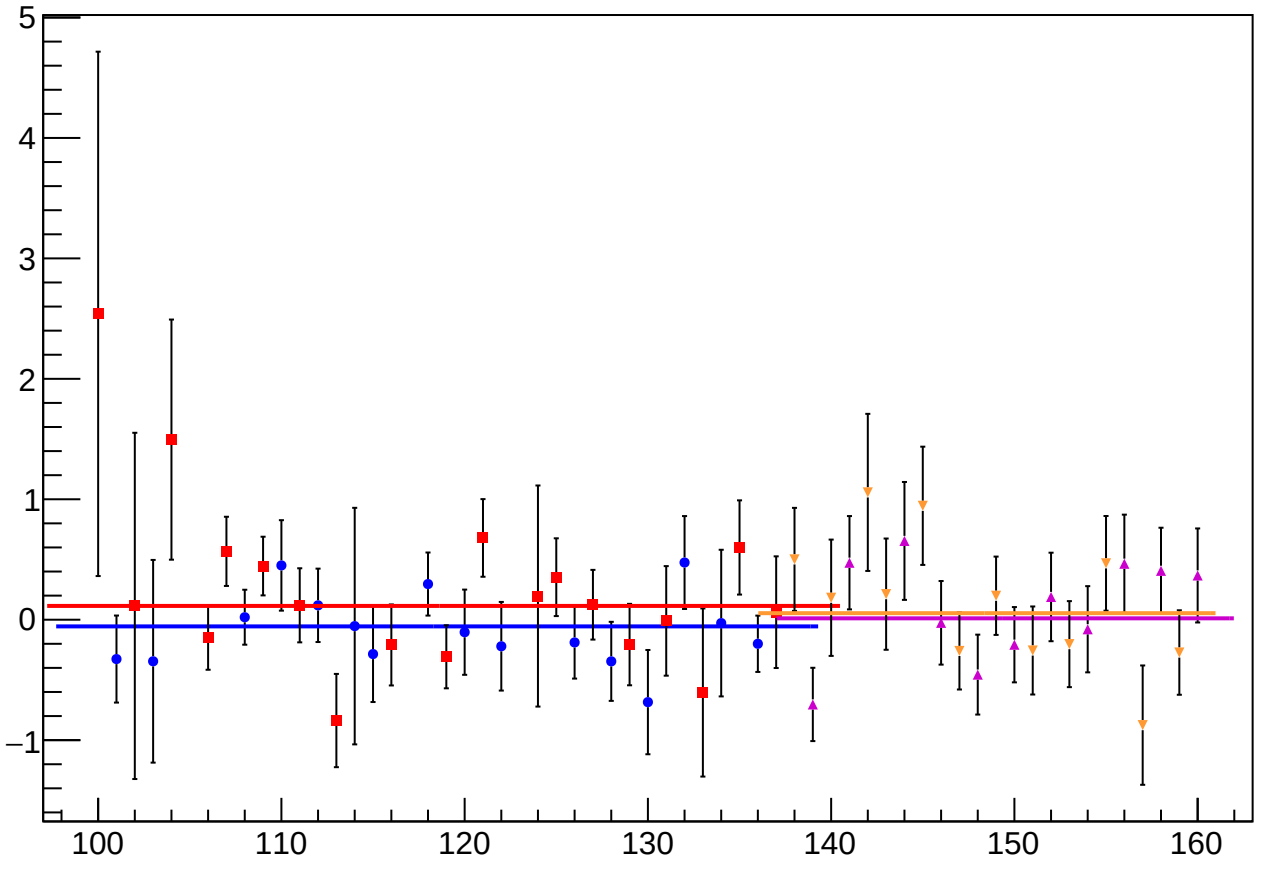
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 259.449+/-0.047 χ^2/NDF:2826033.2/26

Out: 253.485+/-0.048 χ^2/NDF:4404523.1/30

All: 256.489+/-0.034 χ^2/NDF: 7238387.7/57

asym_usr_atr2_avg_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: 0.011+/-0.109 χ^2/NDF:14.7/10

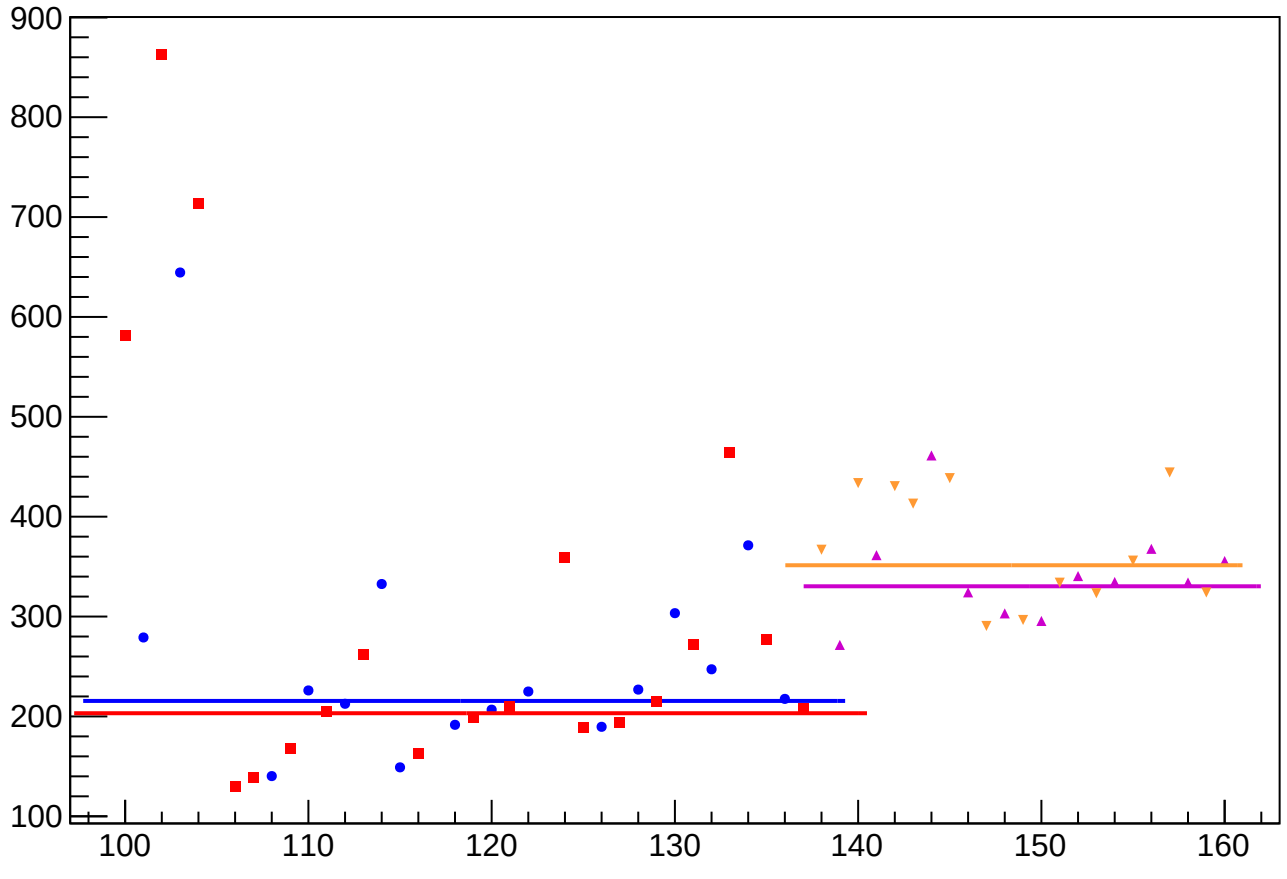
Left: 0.031+/-0.079 χ^2/NDF: 29.6/22

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.094+/-0.068 χ^2/NDF:40.2/30

All: 0.032+/-0.048 χ^2/NDF: 67.6/57



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: 330.309+/-0.077 χ^2/NDF:296694.7/10

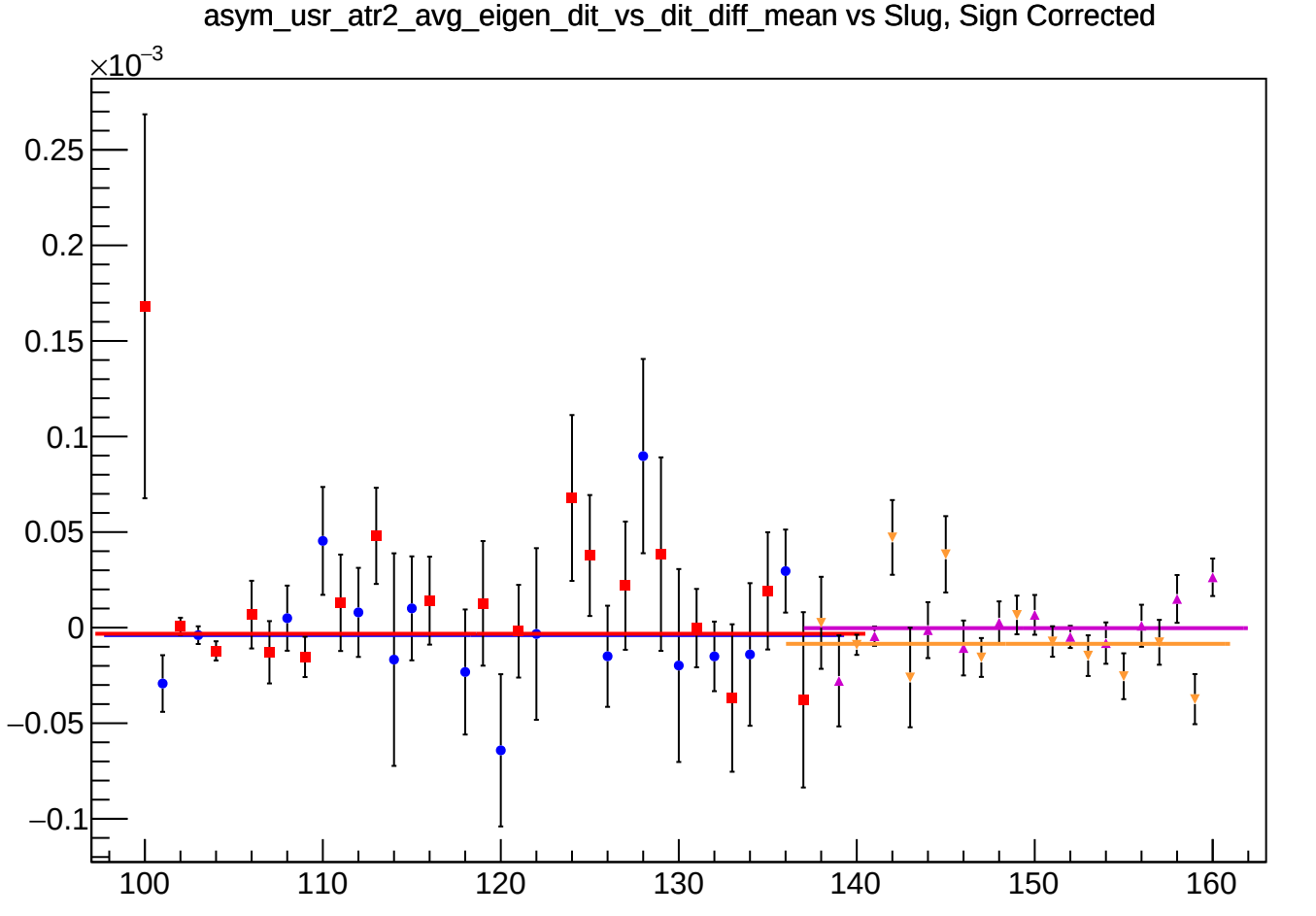
Left: 340.132+/-0.056 χ^2/NDF: 749304.8/22

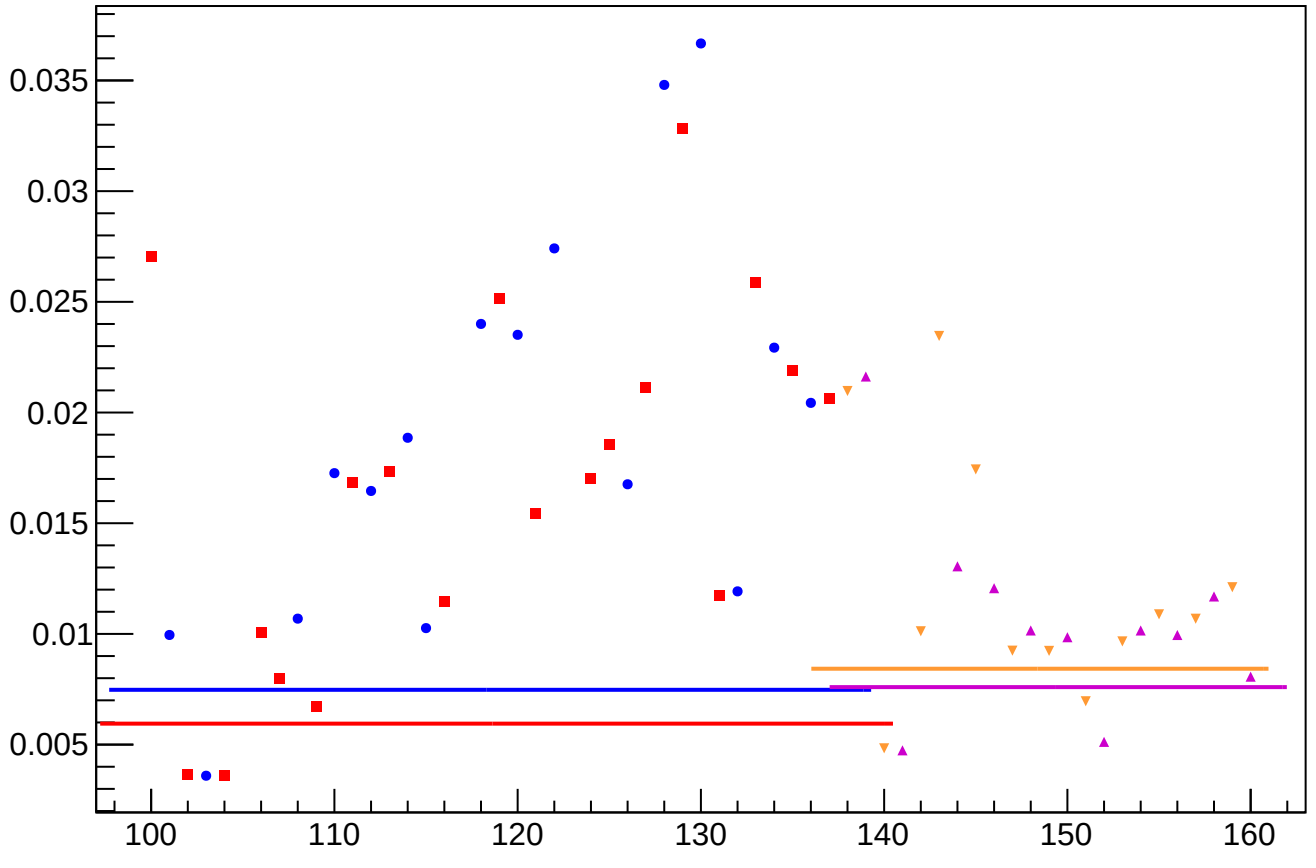
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 259.449+/-0.047 χ^2/NDF:2826033.2/26

Out: 253.485+/-0.048 χ^2/NDF:4404523.1/30

All: 256.489+/-0.034 χ^2/NDF: 7238387.7/57


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:13.1/10
Left: -0.000+/-0.000 χ²/NDF: 41.4/22
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:29.6/26
Out: -0.000+/-0.000 χ²/NDF:47.5/30
All: -0.000+/-0.000 χ²/NDF: 79.0/57



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:2794396.8/10

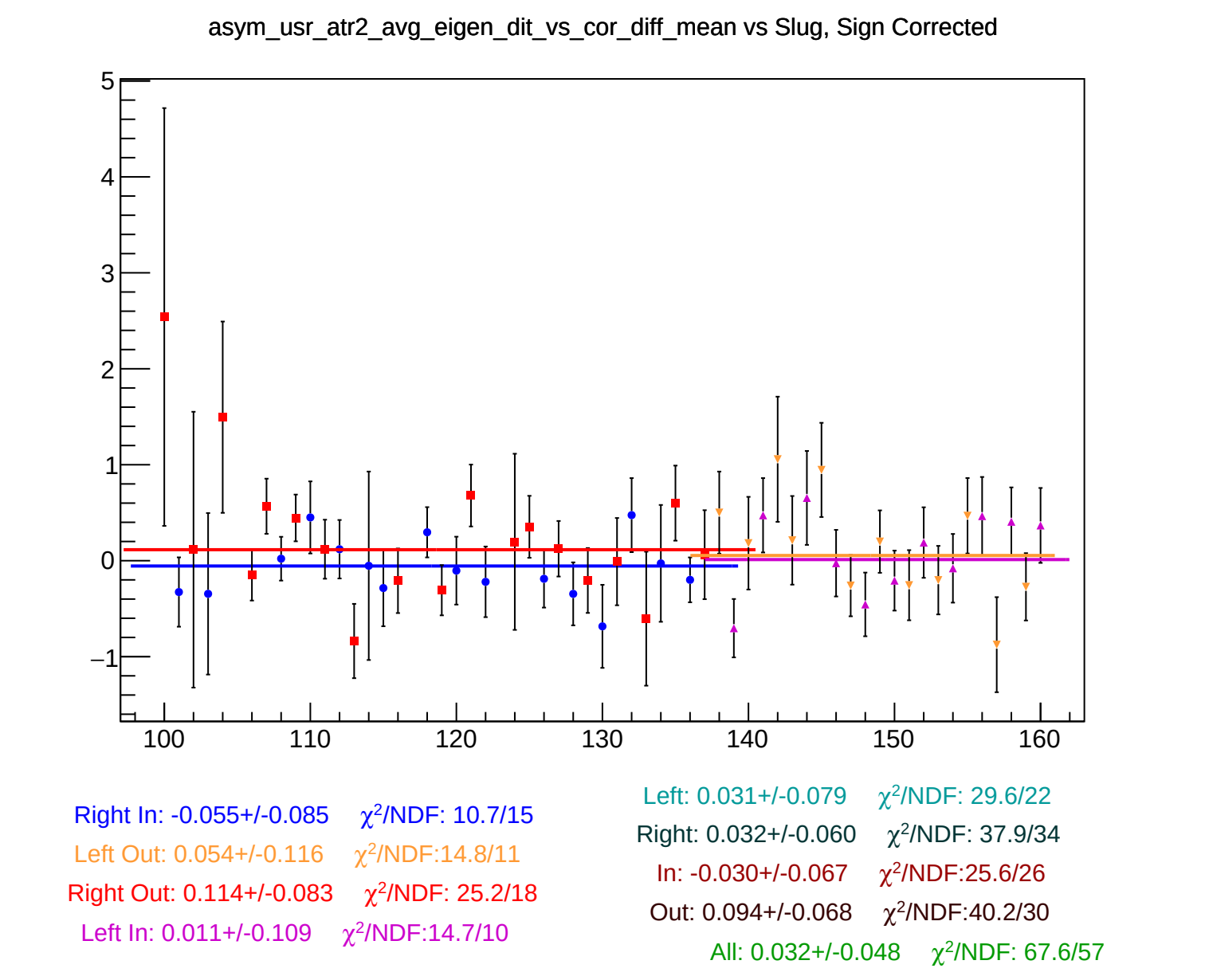
Left: 0.008+/-0.000 χ^2/NDF: 5873889.2/22

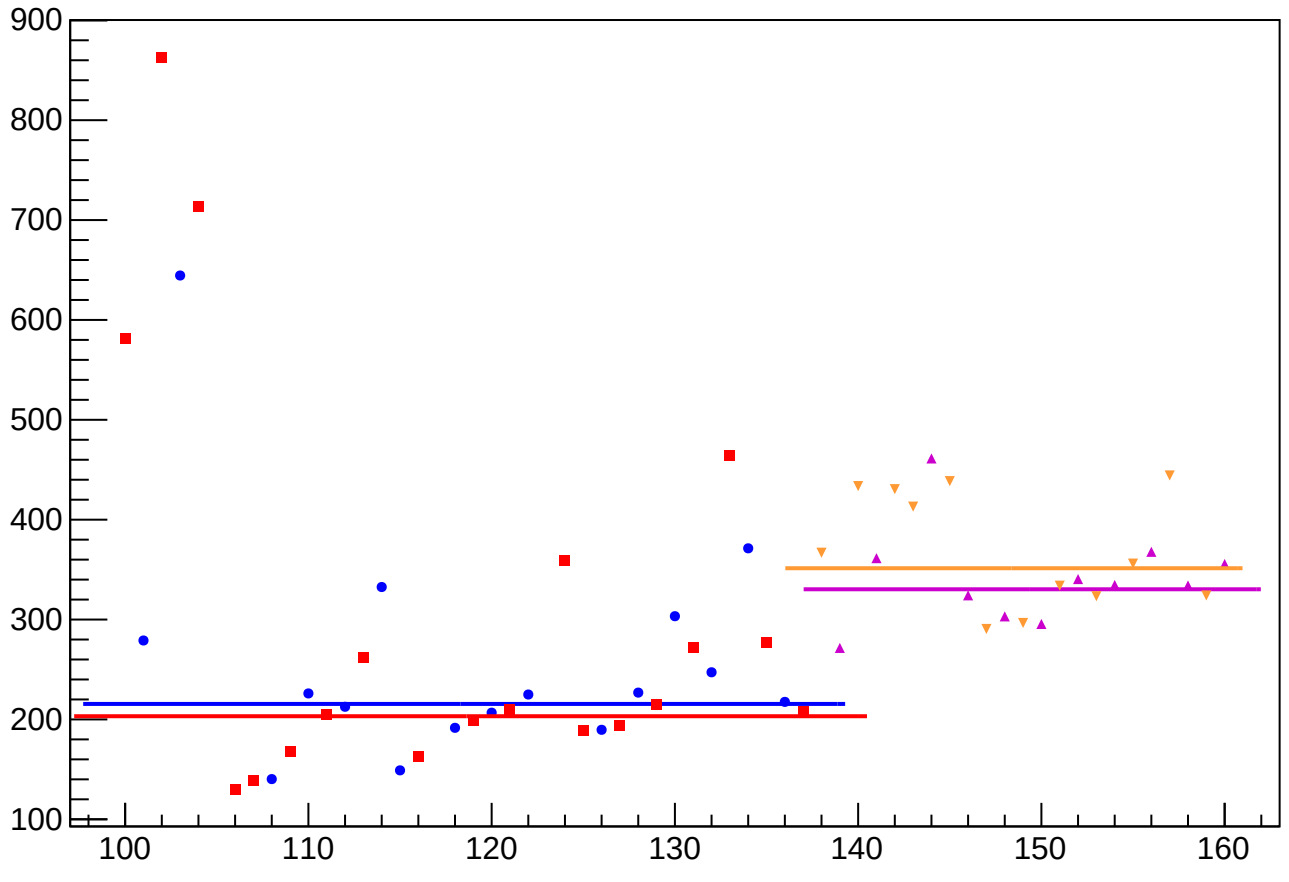
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:8871941.9/26

Out: 0.007+/-0.000 χ^2/NDF:9630083.5/30

All: 0.007+/-0.000 χ^2/NDF: 18540876.8/57


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
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: 0.011+/-0.109 χ²/NDF:14.7/10
Left: 0.031+/-0.079 χ²/NDF: 29.6/22
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.030+/-0.067 χ²/NDF:25.6/26
Out: 0.094+/-0.068 χ²/NDF:40.2/30
All: 0.032+/-0.048 χ²/NDF: 67.6/57



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: 330.314+/-0.077 χ^2/NDF:296680.6/10

Left: 340.137+/-0.056 χ^2/NDF: 749278.5/22

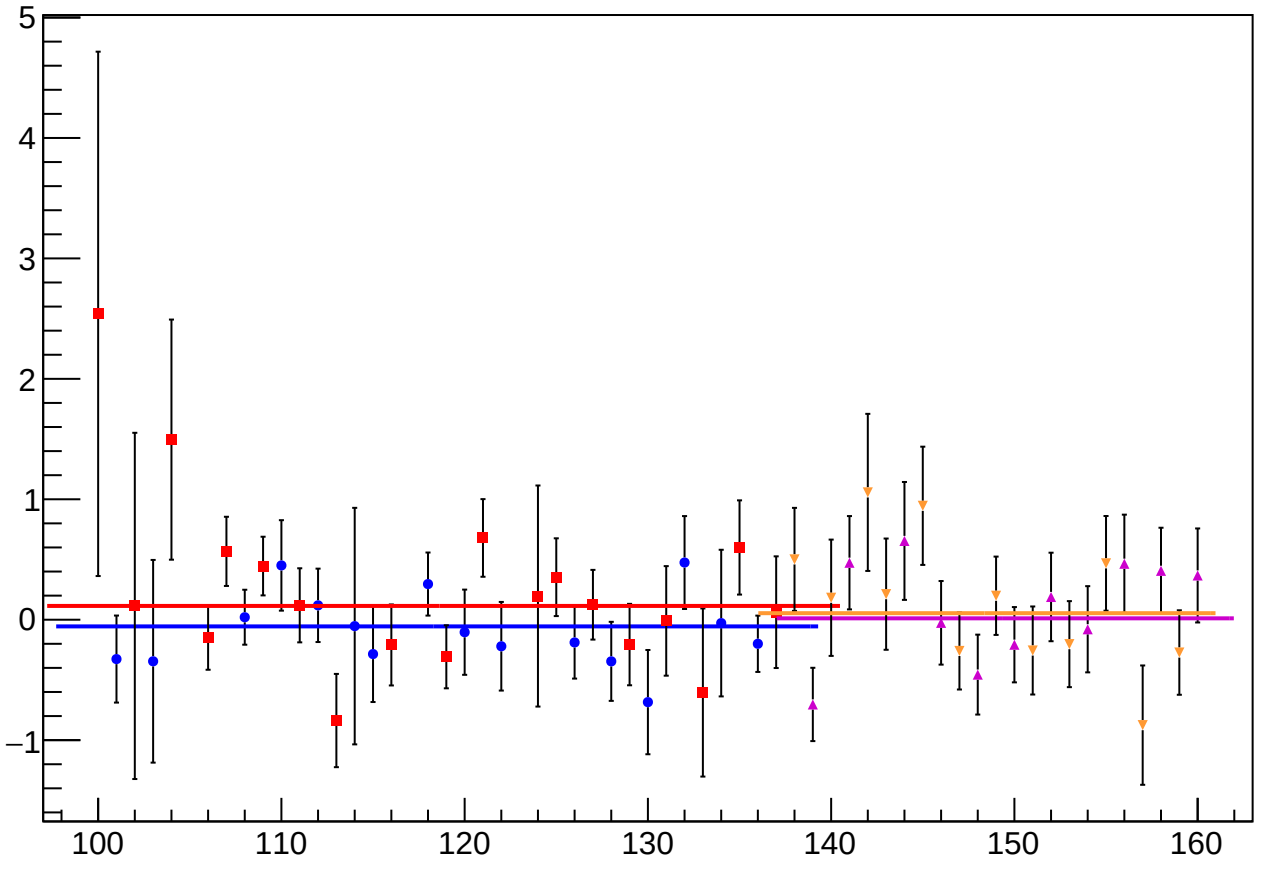
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 259.449+/-0.047 χ^2/NDF:2826122.2/26

Out: 253.484+/-0.048 χ^2/NDF:4404654.9/30

All: 256.488+/-0.034 χ^2/NDF: 7238610.3/57

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: 0.011+/-0.109 χ^2/NDF:14.7/10

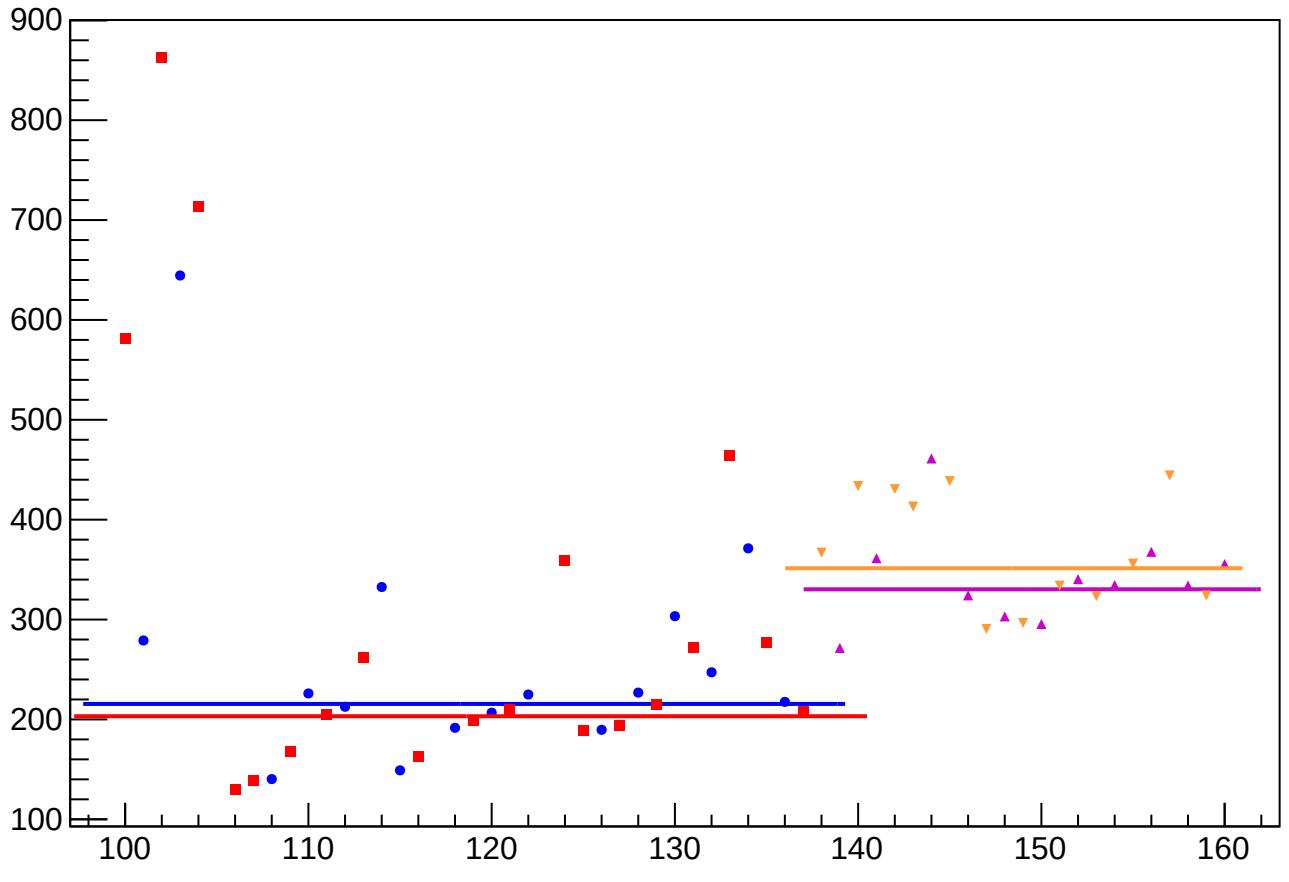
Left: 0.031+/-0.079 χ^2/NDF: 29.6/22

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.094+/-0.068 χ^2/NDF:40.2/30

All: 0.032+/-0.048 χ^2/NDF: 67.6/57



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: 330.314+/-0.077 χ^2/NDF:296680.6/10

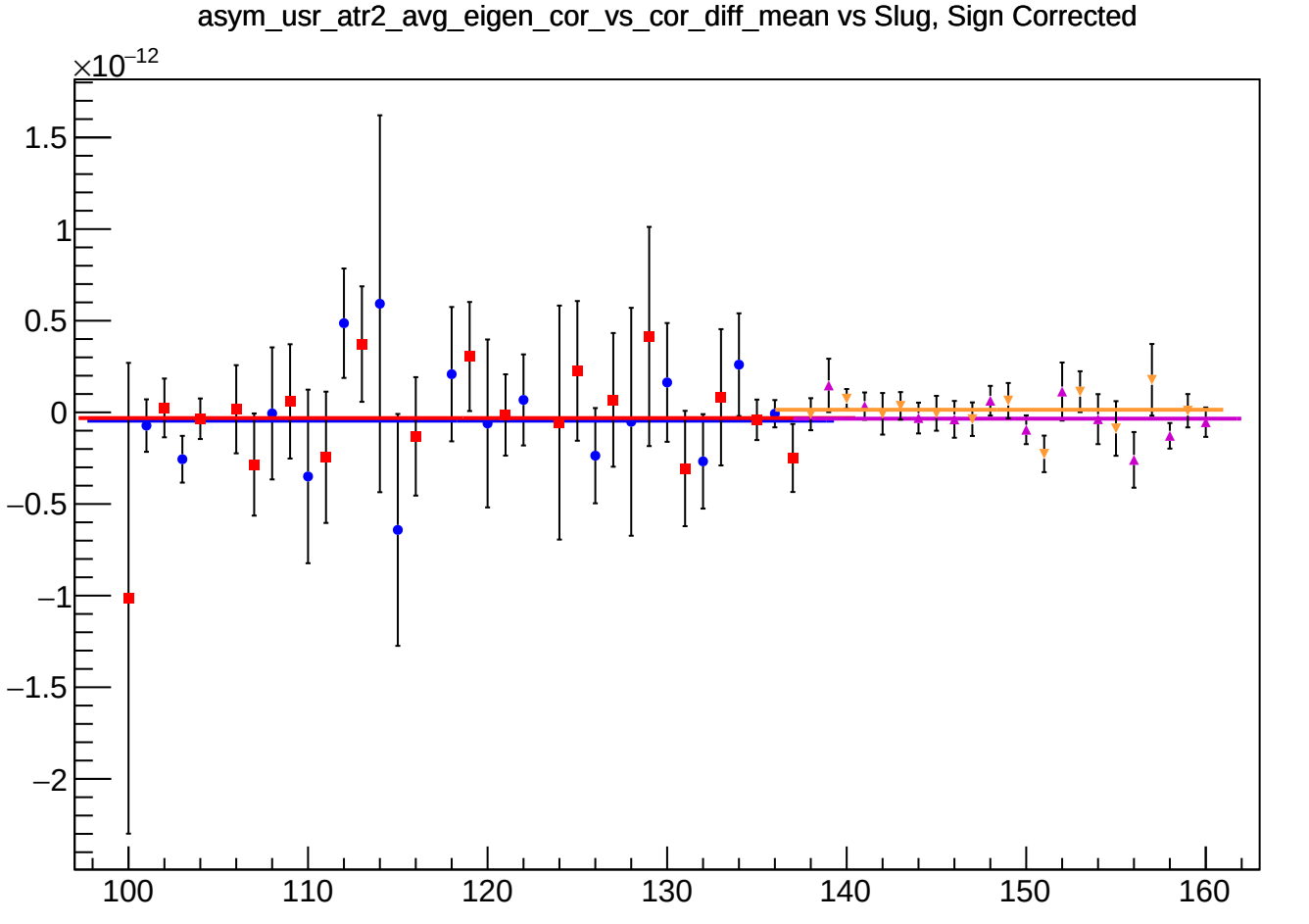
Left: 340.137+/-0.056 χ^2/NDF: 749278.5/22

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 259.449+/-0.047 χ^2/NDF:2826122.2/26

Out: 253.484+/-0.048 χ^2/NDF:4404654.9/30

All: 256.488+/-0.034 χ^2/NDF: 7238610.3/57



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:9.4/10

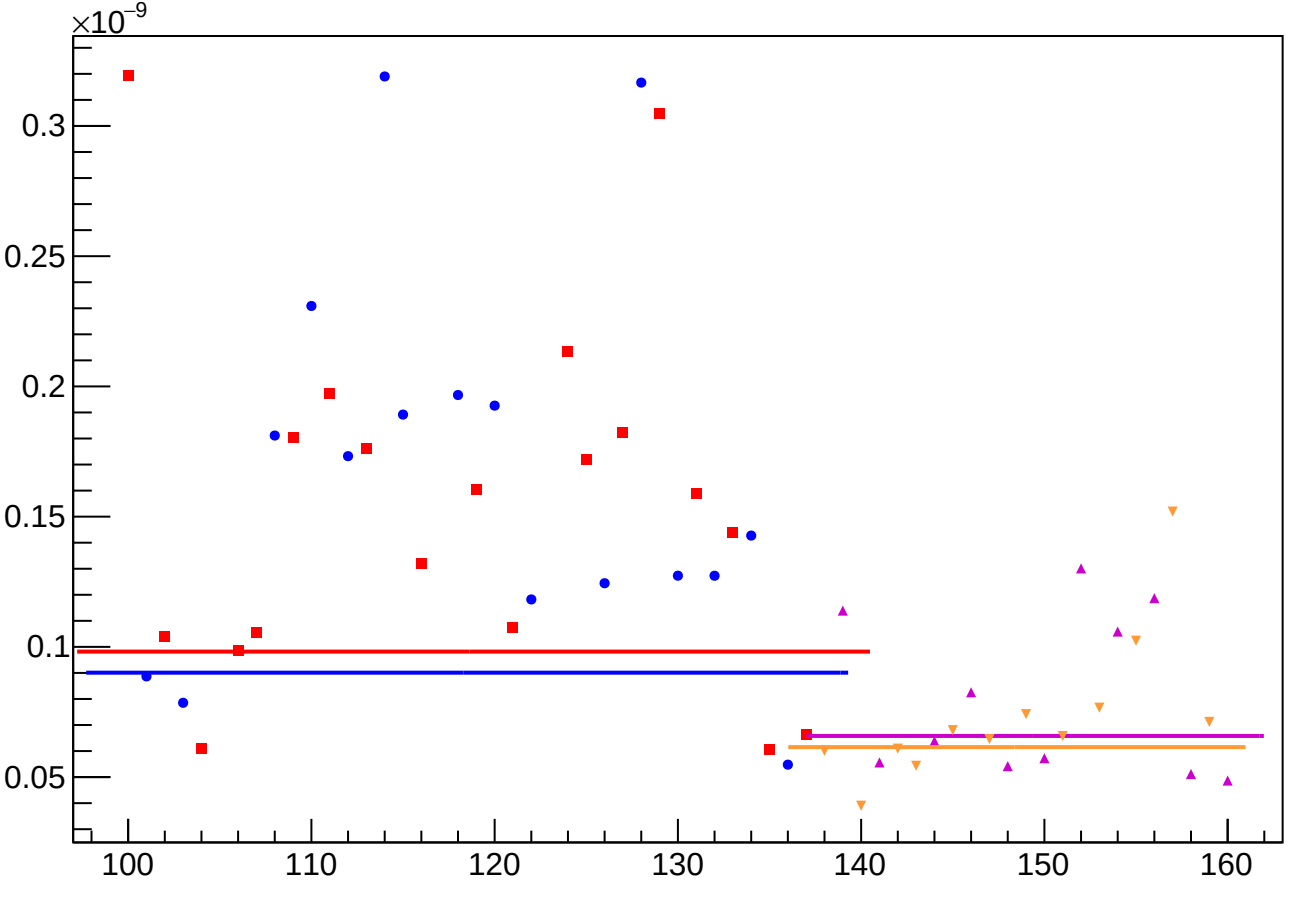
Left: -0.000+/-0.000 χ^2/NDF: 20.9/22

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:20.9/26

Out: 0.000+/-0.000 χ^2/NDF:18.8/30

All: -0.000+/-0.000 χ^2/NDF: 41.3/57



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:1300833.3/10

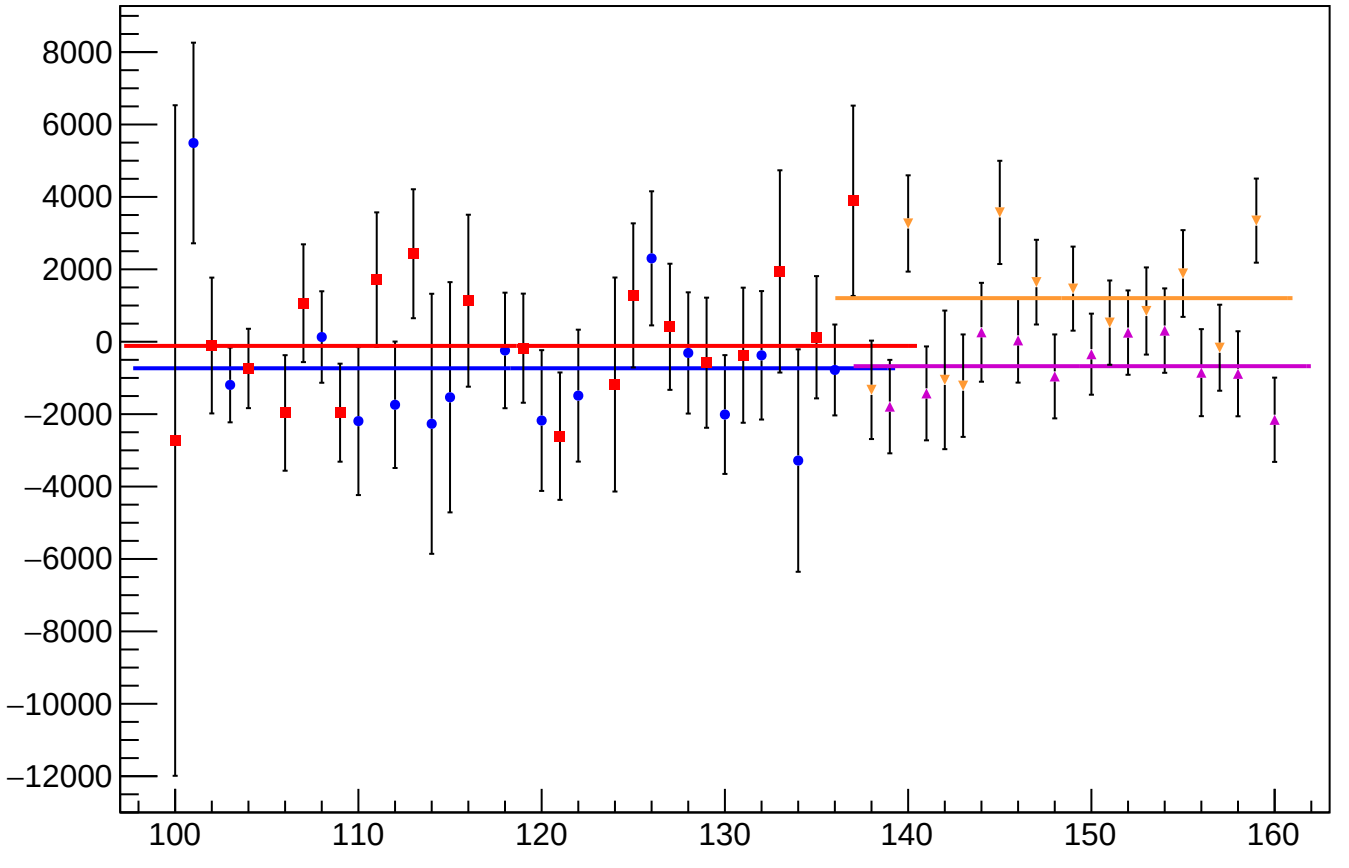
Left: 0.000+/-0.000 χ^2/NDF: 2391693.3/22

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:3469007.3/26

Out: 0.000+/-0.000 χ^2/NDF:3551611.5/30

All: 0.000+/-0.000 χ^2/NDF: 7032905.6/57



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: -675.108+/-361.911 χ^2/NDF:5.1/10

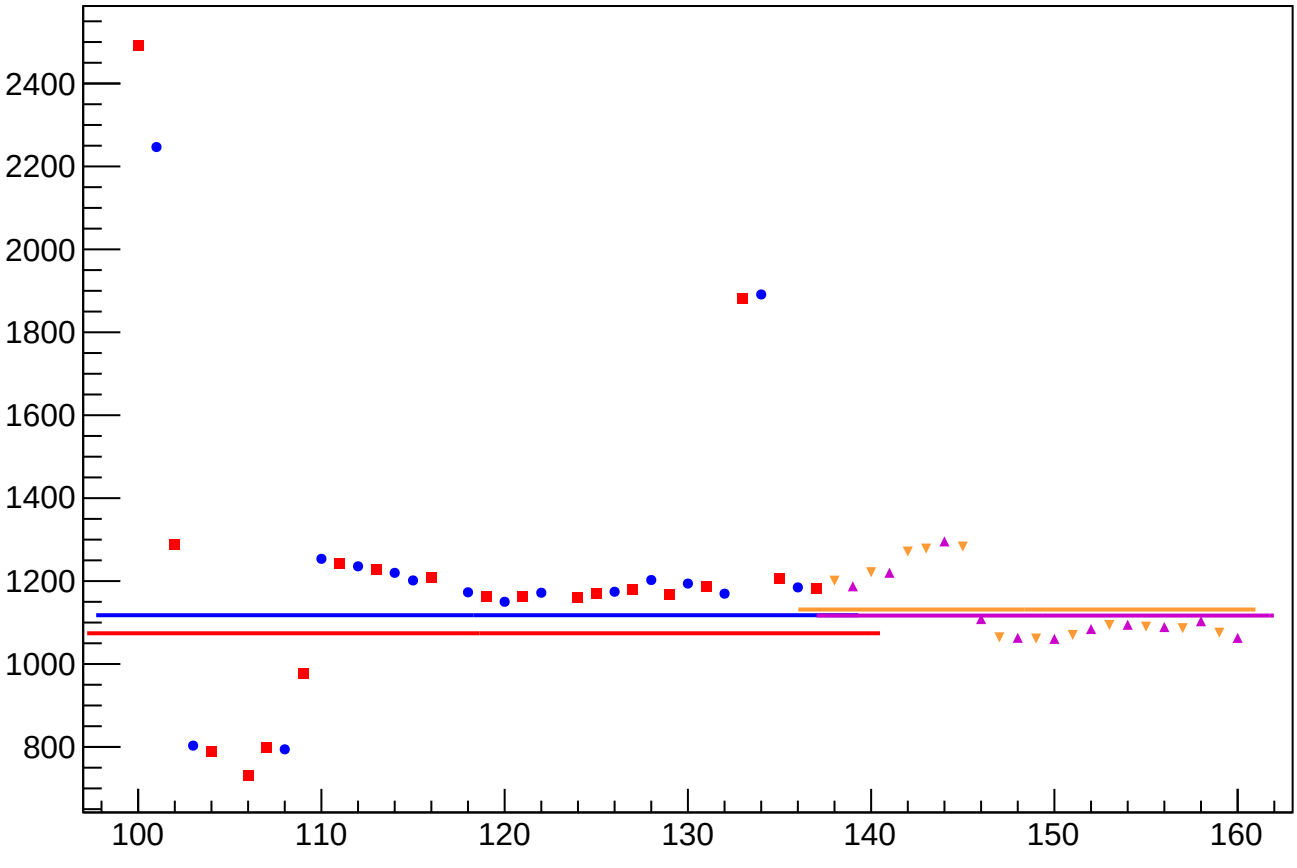
Left: 251.050+/-257.743 χ^2/NDF: 37.0/22

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -699.179+/-276.189 χ^2/NDF:16.8/26

Out: 619.390+/-273.940 χ^2/NDF:37.5/30

All: -34.504+/-194.495 χ^2/NDF: 65.7/57



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: 1116.859+/-0.256 χ^2/NDF:70245.0/10

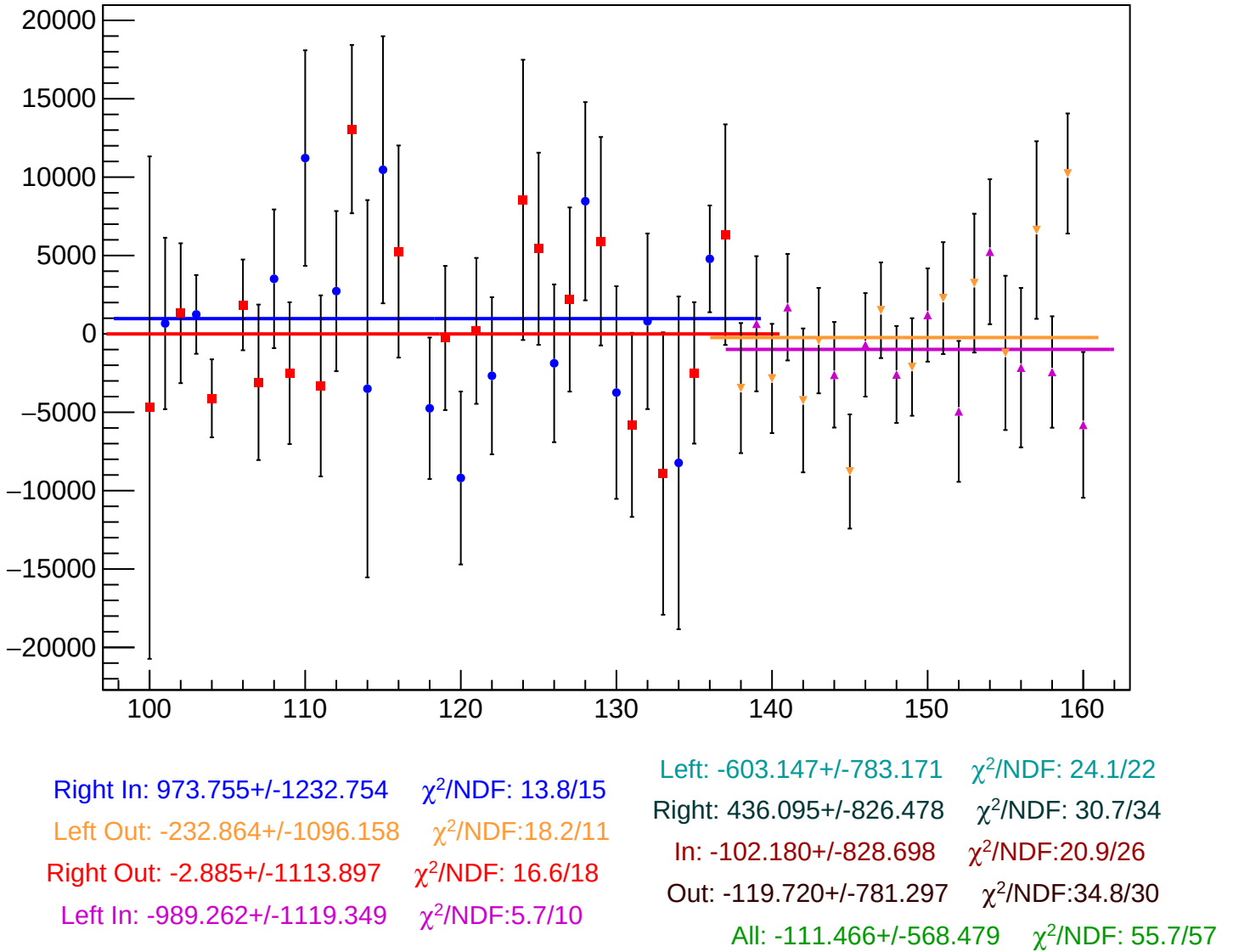
Left: 1124.047+/-0.182 χ^2/NDF: 172320.8/22

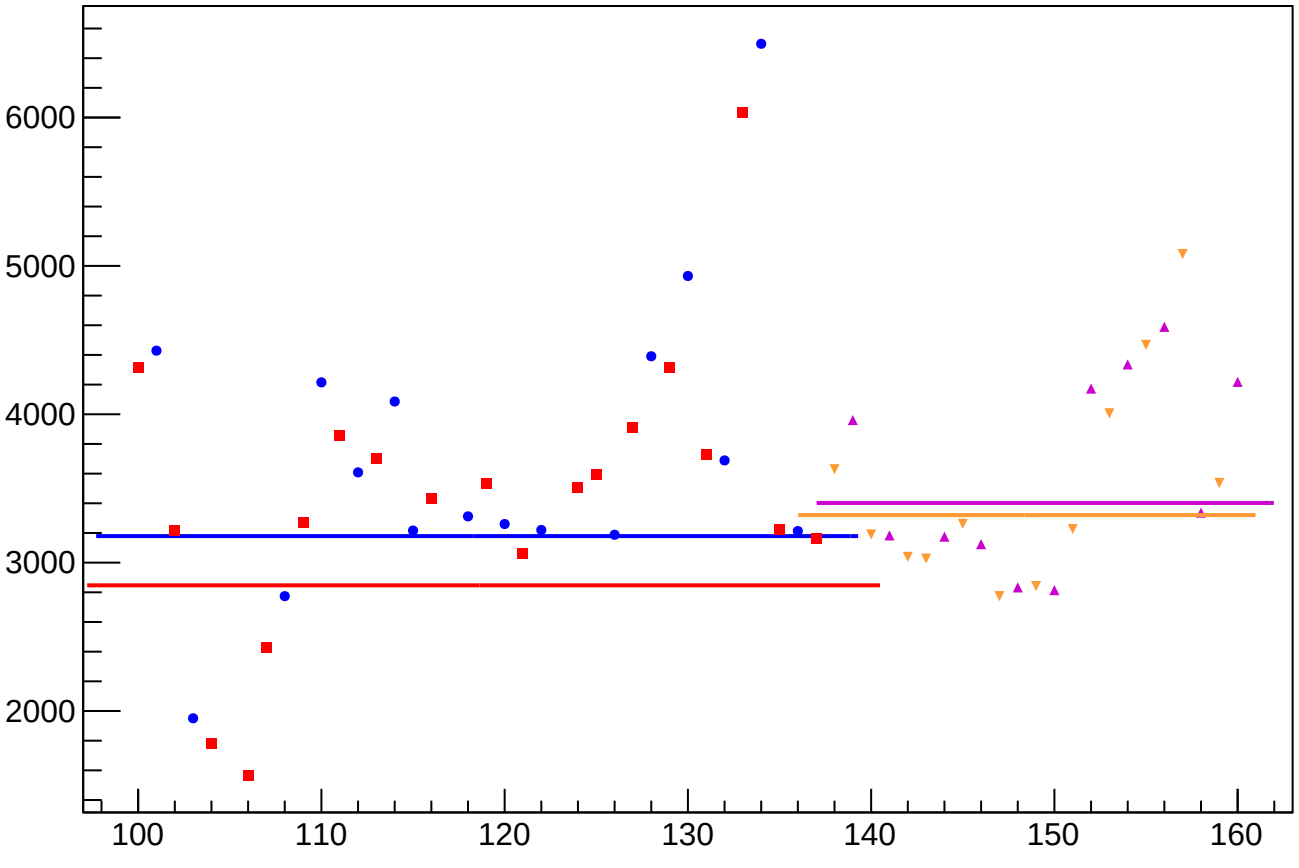
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1117.204+/-0.195 χ^2/NDF:890084.5/26

Out: 1105.809+/-0.193 χ^2/NDF:771775.9/30

All: 1111.439+/-0.137 χ^2/NDF: 1663582.5/57


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -232.864+/-1096.158 χ²/NDF:18.2/11
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -989.262+/-1119.349 χ²/NDF:5.7/10
Left: -603.147+/-783.171 χ²/NDF: 24.1/22
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: -102.180+/-828.698 χ²/NDF:20.9/26
Out: -119.720+/-781.297 χ²/NDF:34.8/30
All: -111.466+/-568.479 χ²/NDF: 55.7/57



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: 3402.260+/-0.791 χ^2/NDF:522455.0/10

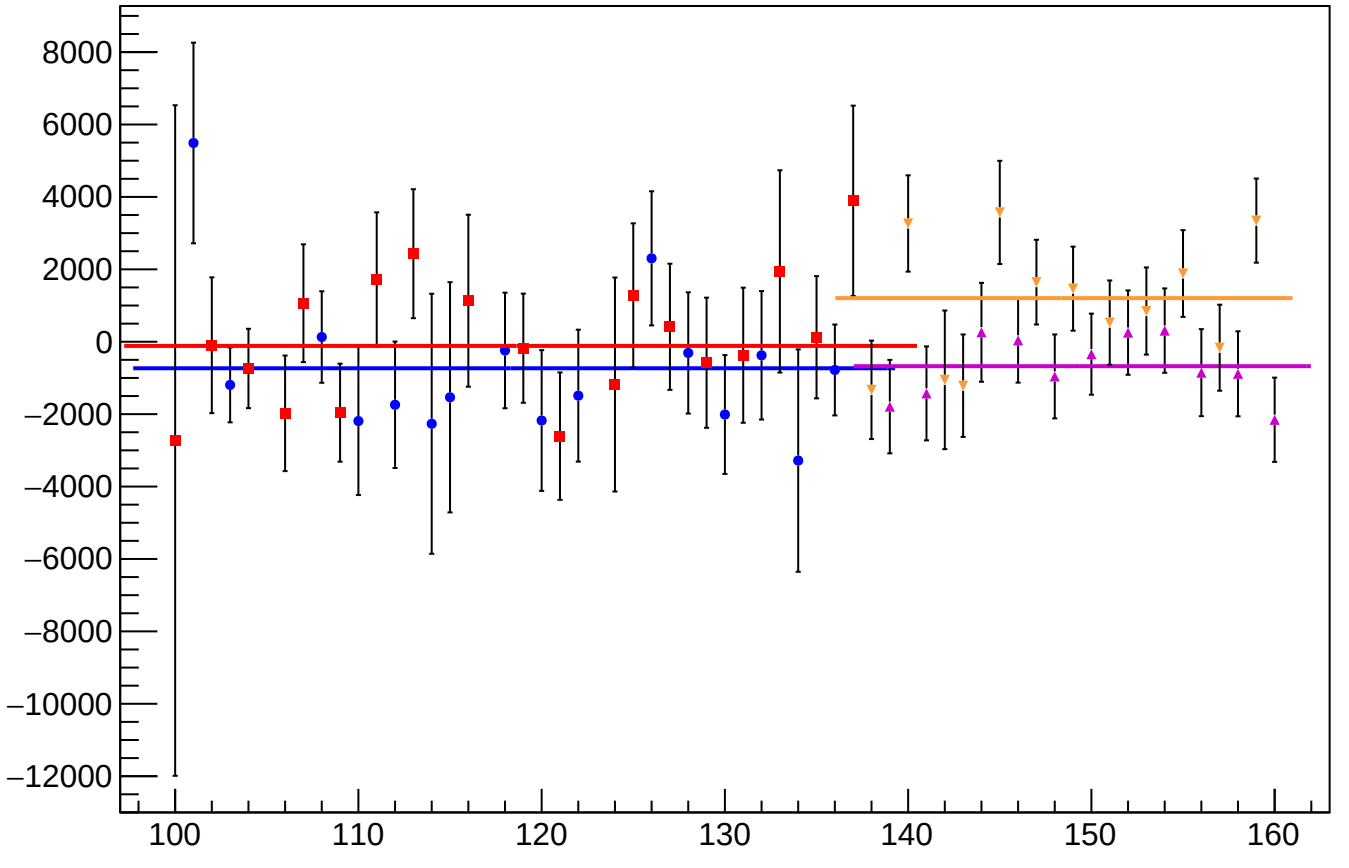
Left: 3360.582+/-0.554 χ^2/NDF: 1033723.7/22

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3301.311+/-0.586 χ^2/NDF:1650129.0/26

Out: 3087.615+/-0.552 χ^2/NDF:2200669.4/30

All: 3188.177+/-0.402 χ^2/NDF: 3921207.0/57



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: -675.138+/-361.911 χ^2/NDF:5.1/10

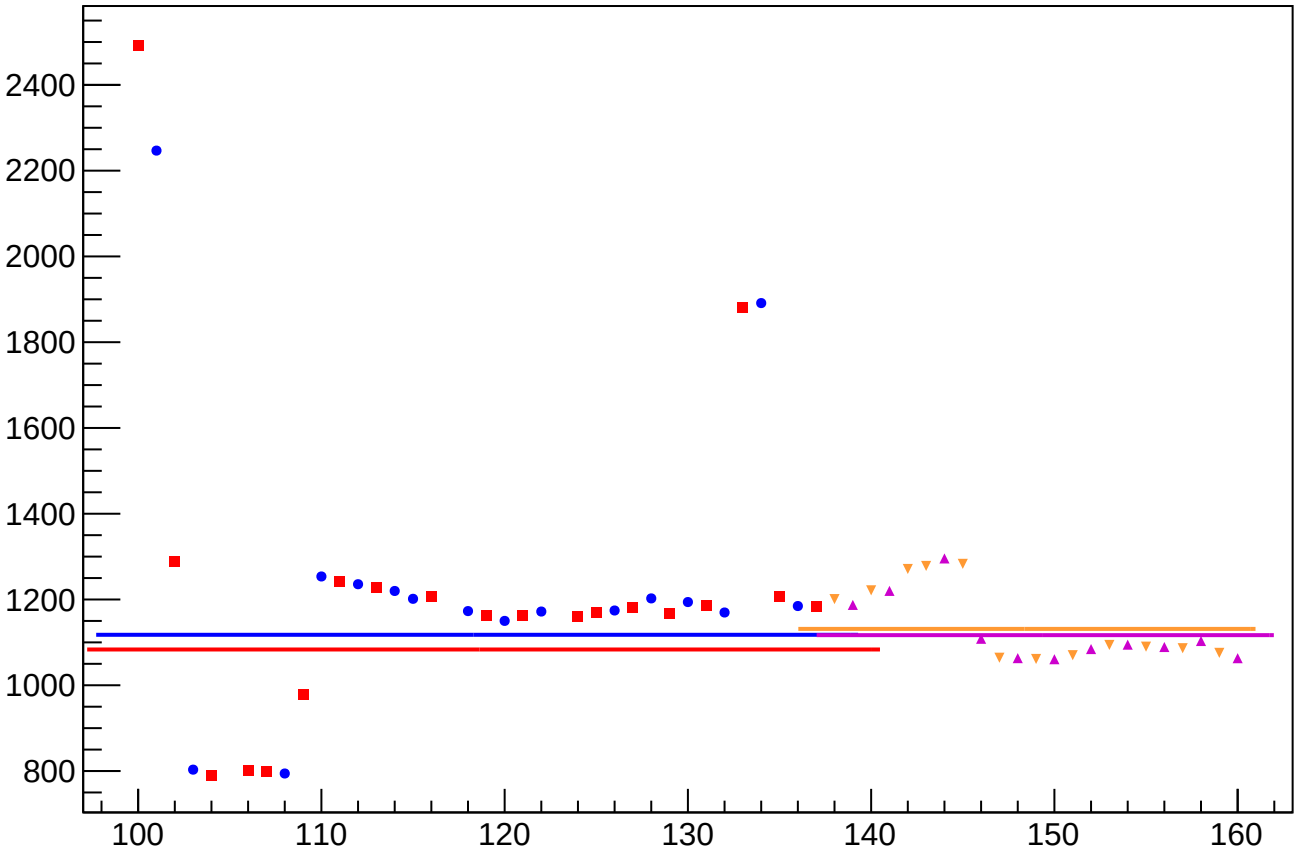
Left: 251.072+/-257.743 χ^2/NDF: 37.0/22

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -699.169+/-276.189 χ^2/NDF:16.8/26

Out: 619.320+/-273.941 χ^2/NDF:37.5/30

All: -34.537+/-194.496 χ^2/NDF: 65.8/57



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: 1116.859+/-0.256 χ^2/NDF:70245.0/10

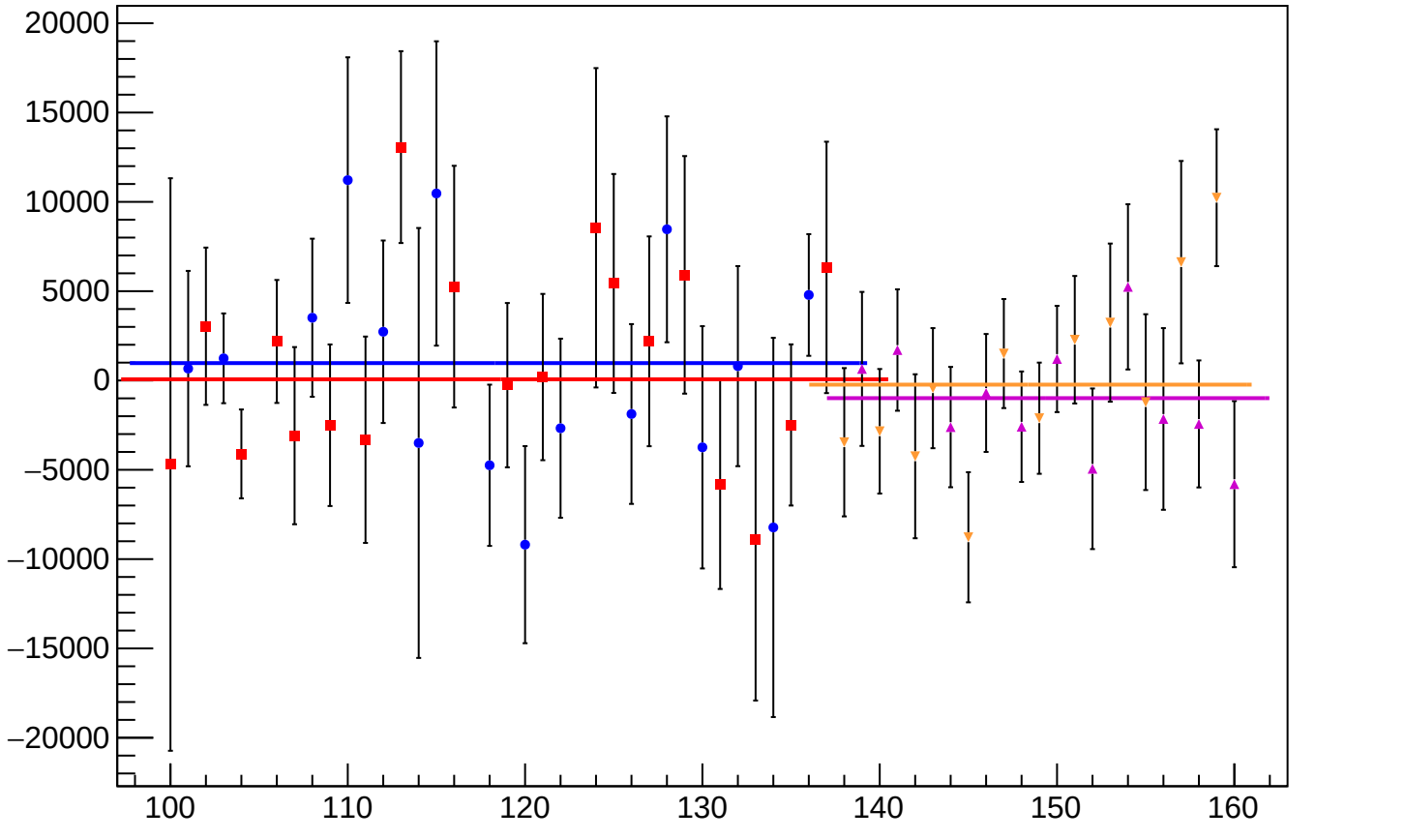
Left: 1124.047+/-0.182 χ^2/NDF: 172320.8/22

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1117.204+/-0.195 χ^2/NDF:890081.1/26

Out: 1110.110+/-0.194 χ^2/NDF:710692.8/30

All: 1113.625+/-0.137 χ^2/NDF: 1601439.5/57



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: -989.289+/-1119.349 χ^2/NDF:5.7/10

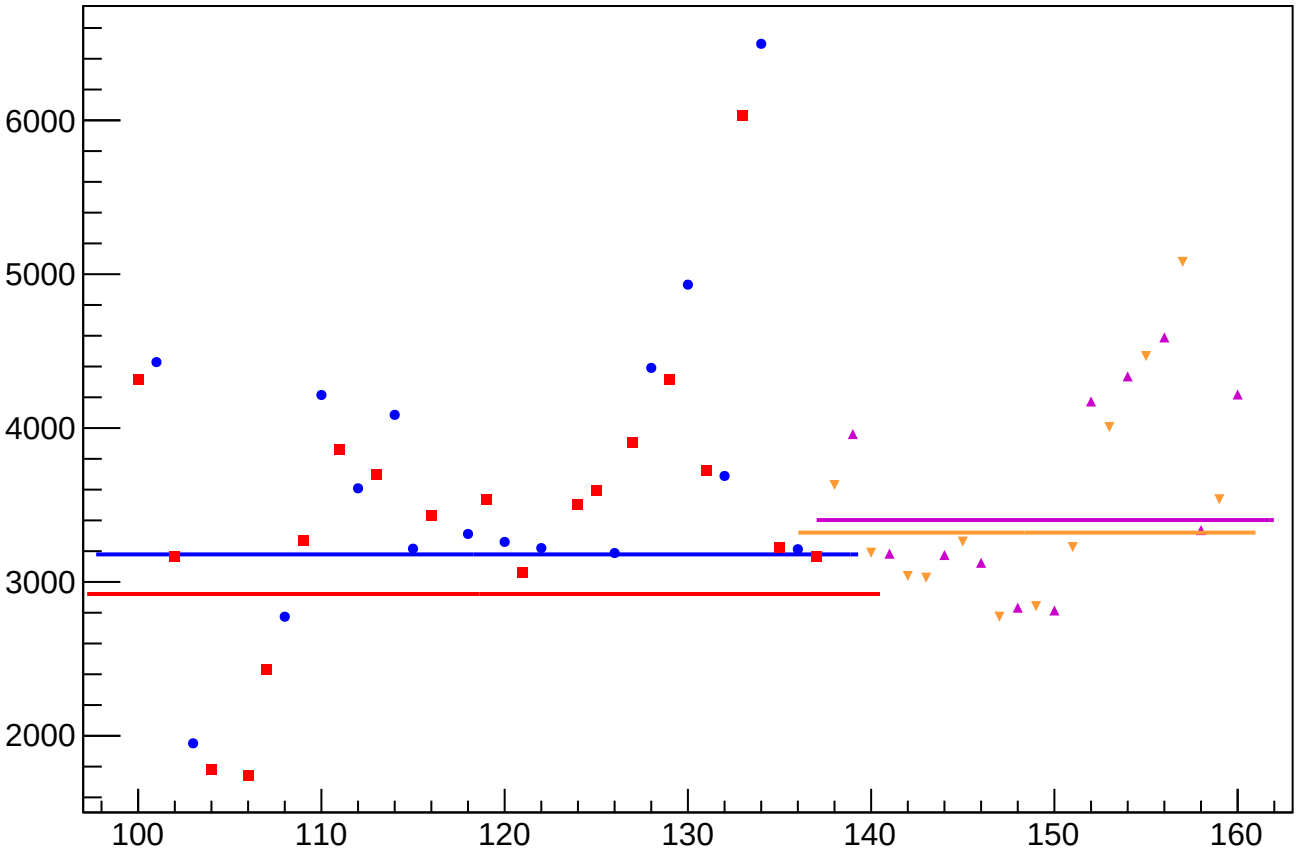
Left: -603.157+/-783.171 χ^2/NDF: 24.1/22

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -102.459+/-828.713 χ^2/NDF:20.9/26

Out: -88.475+/-789.442 χ^2/NDF:35.2/30

All: -95.128+/-571.599 χ^2/NDF: 56.1/57



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3320.608+/-0.775 χ^2/NDF:505838.8/11

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

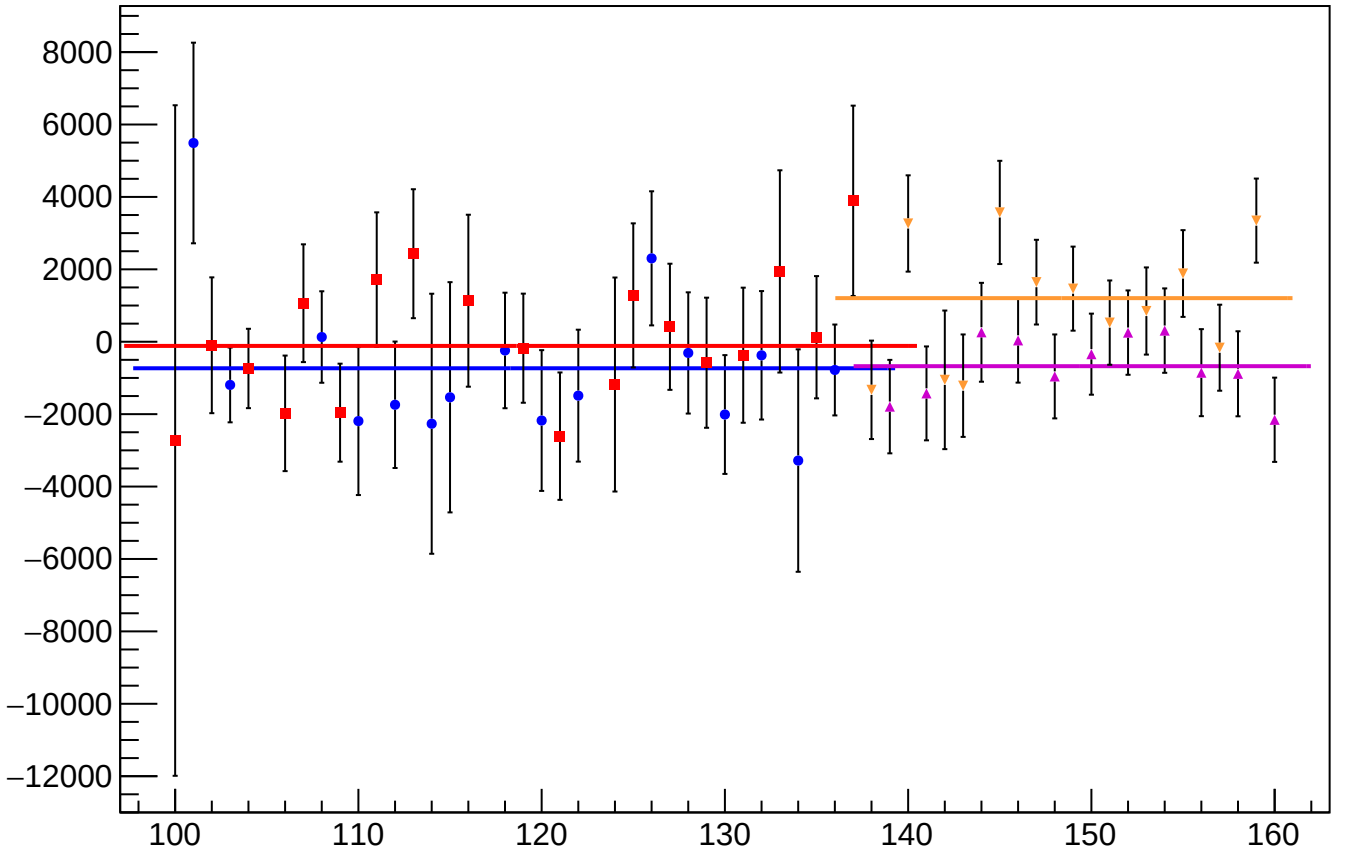
Left: 3360.579+/-0.554 χ^2/NDF: 1033729.0/22

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3301.398+/-0.586 χ^2/NDF:1649630.3/26

Out: 3128.575+/-0.558 χ^2/NDF:1946254.4/30

All: 3210.795+/-0.404 χ^2/NDF: 3641485.0/57



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: -675.138+/-361.911 χ^2/NDF:5.1/10

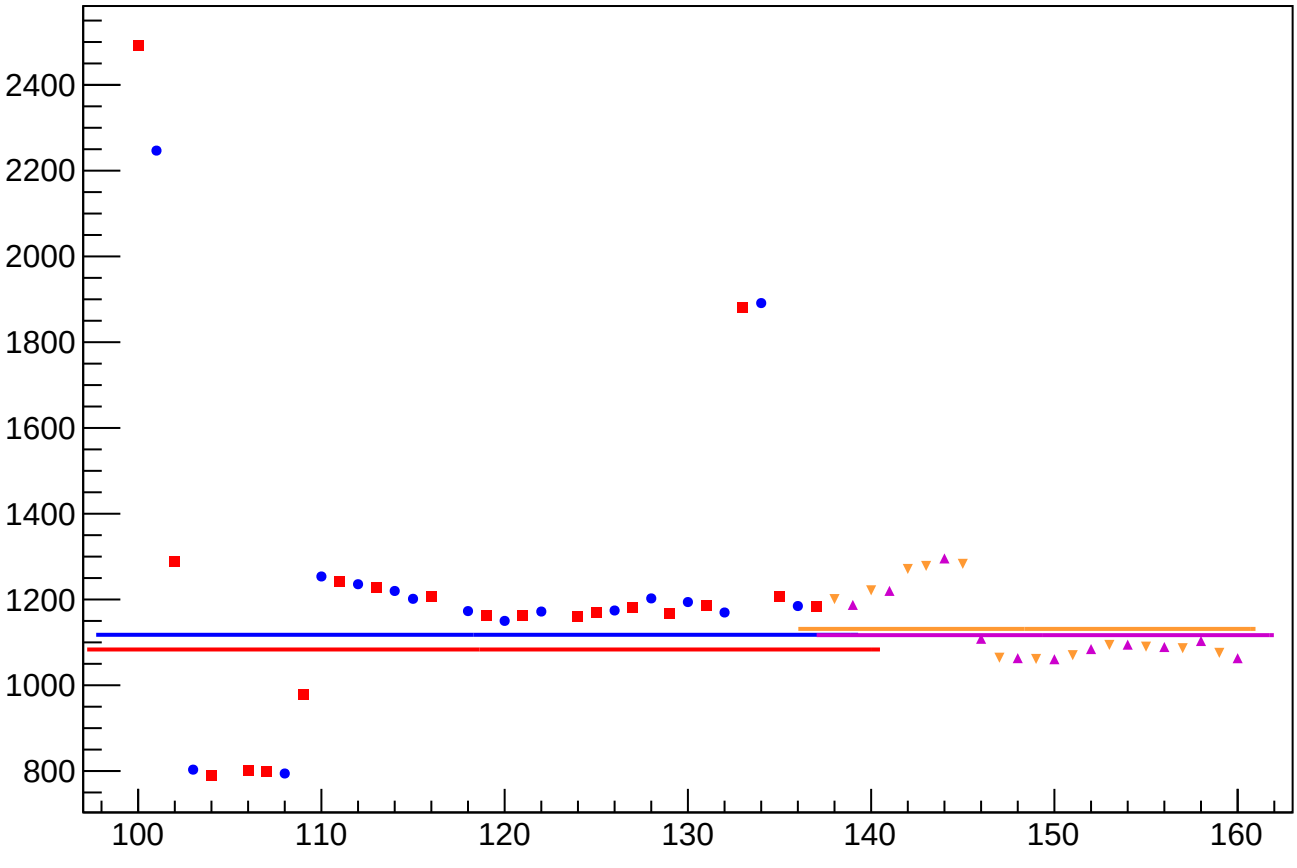
Left: 251.072+/-257.743 χ^2/NDF: 37.0/22

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -699.169+/-276.189 χ^2/NDF:16.8/26

Out: 619.320+/-273.941 χ^2/NDF:37.5/30

All: -34.537+/-194.496 χ^2/NDF: 65.8/57



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: 1116.859+/-0.256 χ^2/NDF:70245.0/10

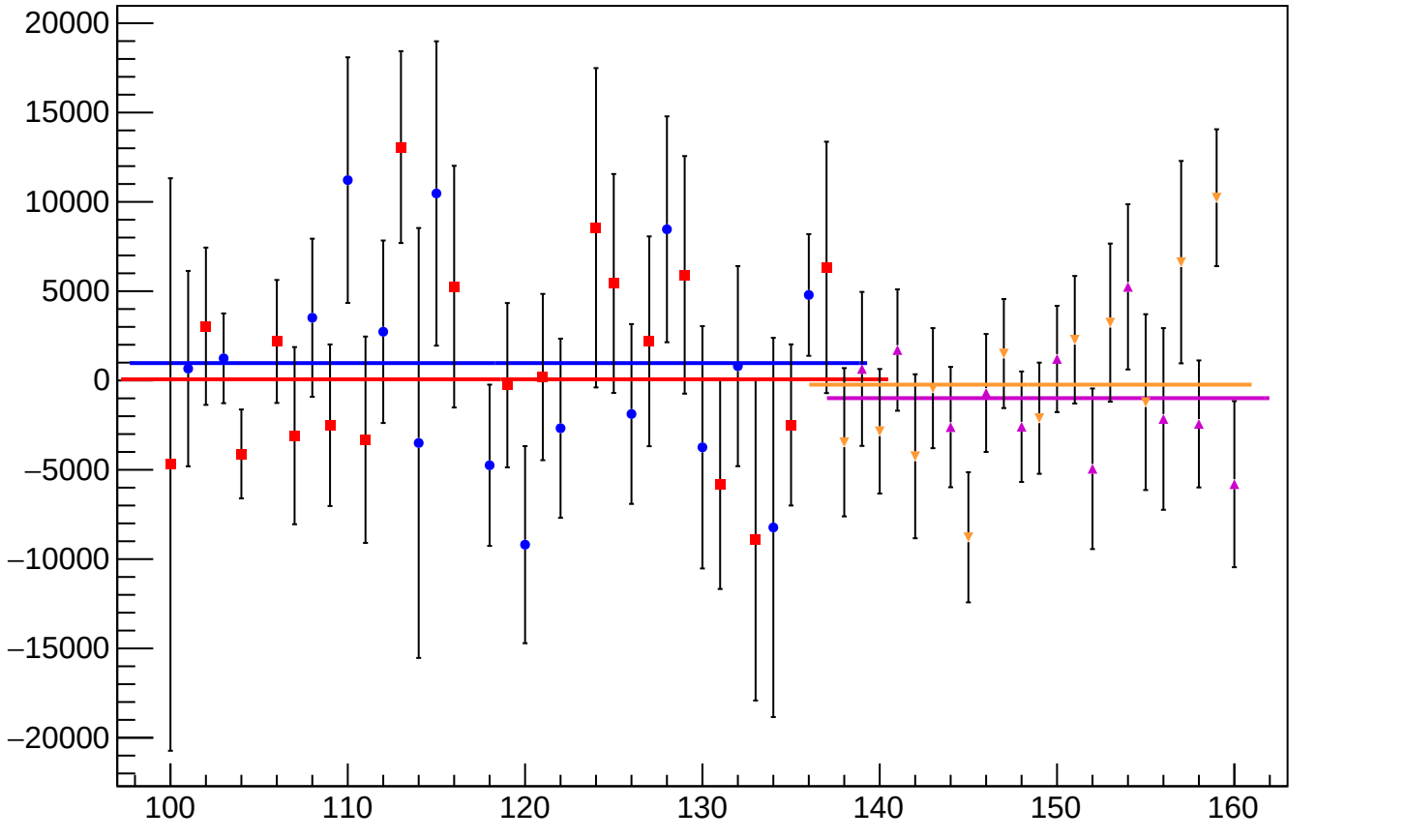
Left: 1124.047+/-0.182 χ^2/NDF: 172320.8/22

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1117.204+/-0.195 χ^2/NDF:890081.1/26

Out: 1110.110+/-0.194 χ^2/NDF:710692.8/30

All: 1113.625+/-0.137 χ^2/NDF: 1601439.5/57



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: -989.289+/-1119.349 χ^2/NDF:5.7/10

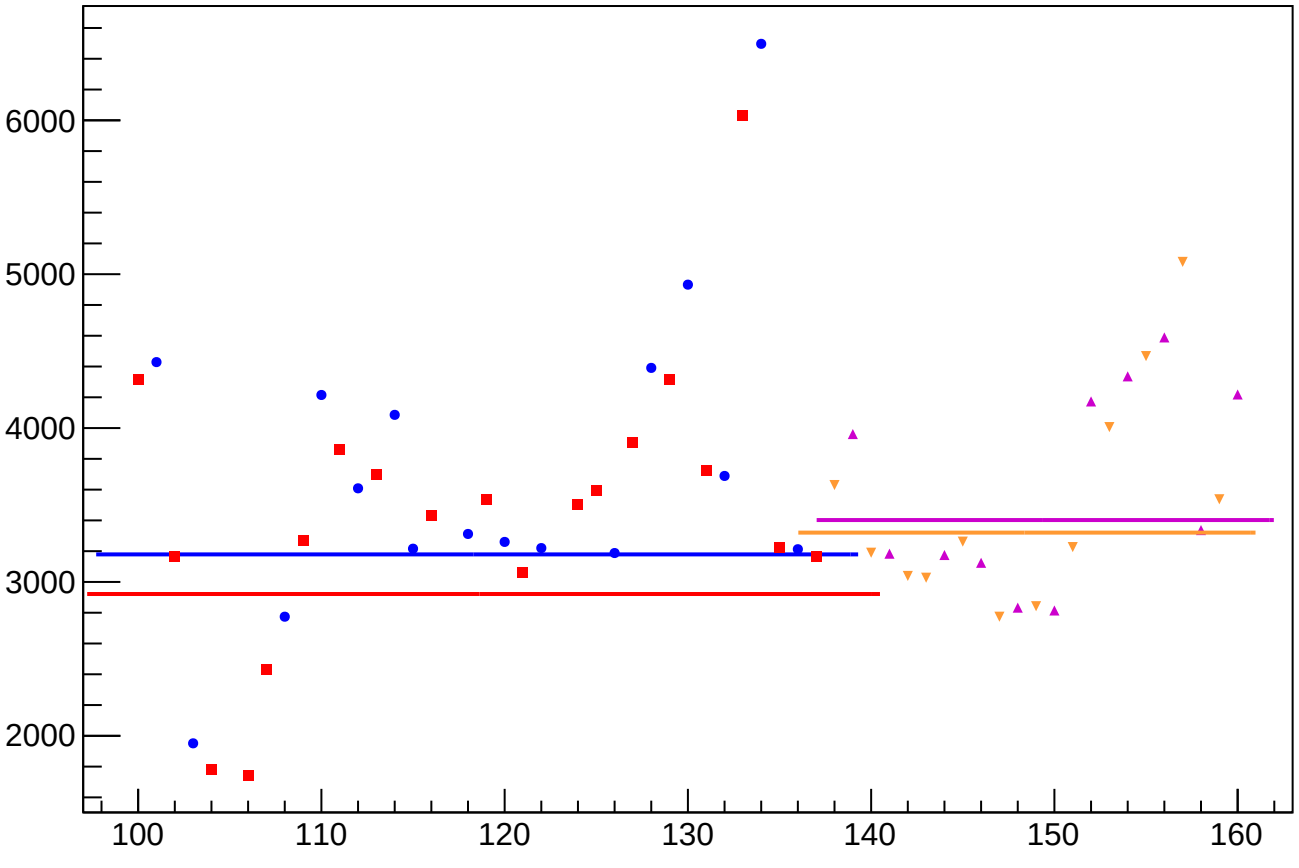
Left: -603.157+/-783.171 χ^2/NDF: 24.1/22

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -102.459+/-828.713 χ^2/NDF:20.9/26

Out: -88.475+/-789.442 χ^2/NDF:35.2/30

All: -95.128+/-571.599 χ^2/NDF: 56.1/57



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3320.608+/-0.775 χ^2/NDF:505838.8/11

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

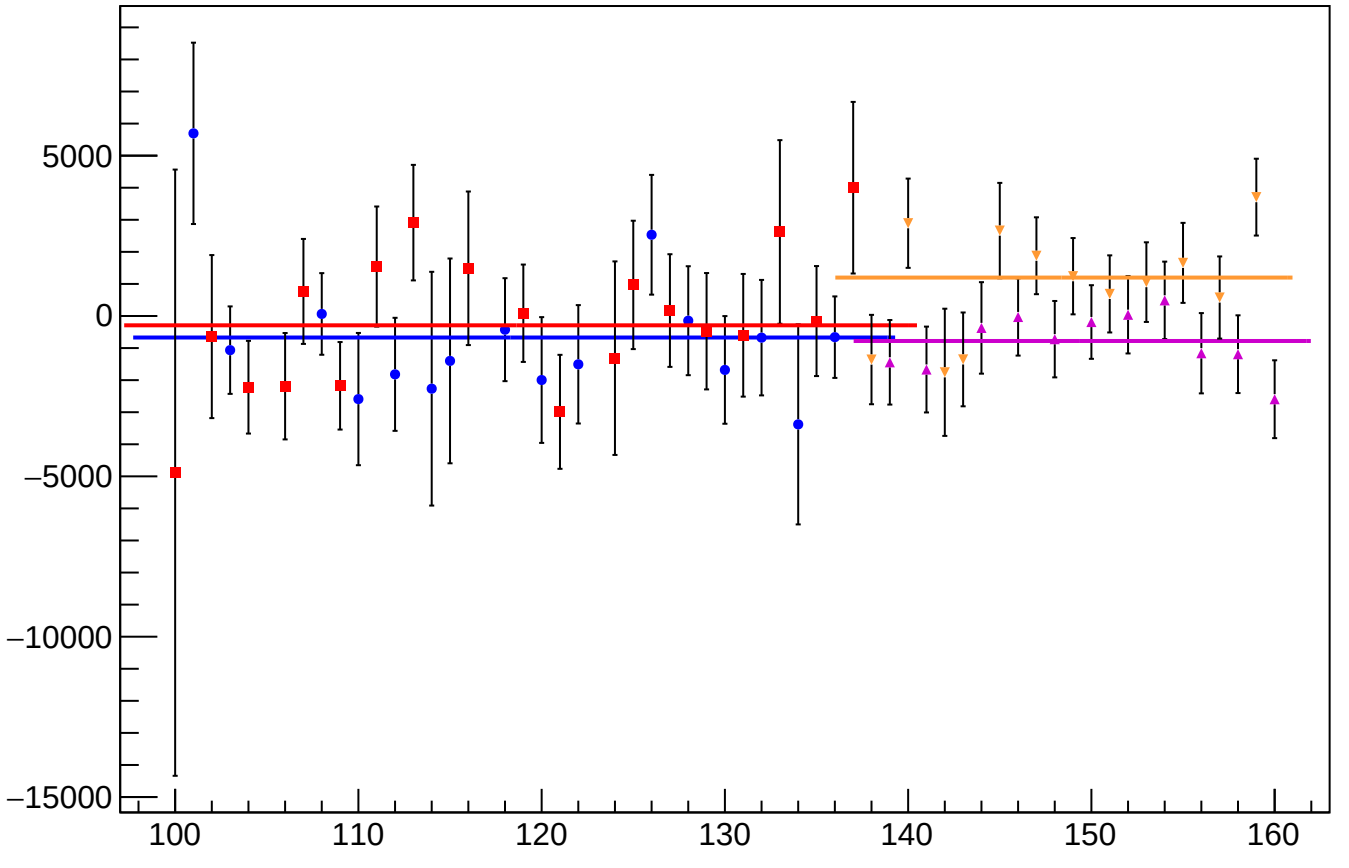
Left: 3360.579+/-0.554 χ^2/NDF: 1033729.0/22

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3301.398+/-0.586 χ^2/NDF:1649630.3/26

Out: 3128.575+/-0.558 χ^2/NDF:1946254.4/30

All: 3210.795+/-0.404 χ^2/NDF: 3641485.0/57



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: -779.008+/-374.027 χ^2/NDF:5.4/10

Left: 191.977+/-266.831 χ^2/NDF: 35.5/22

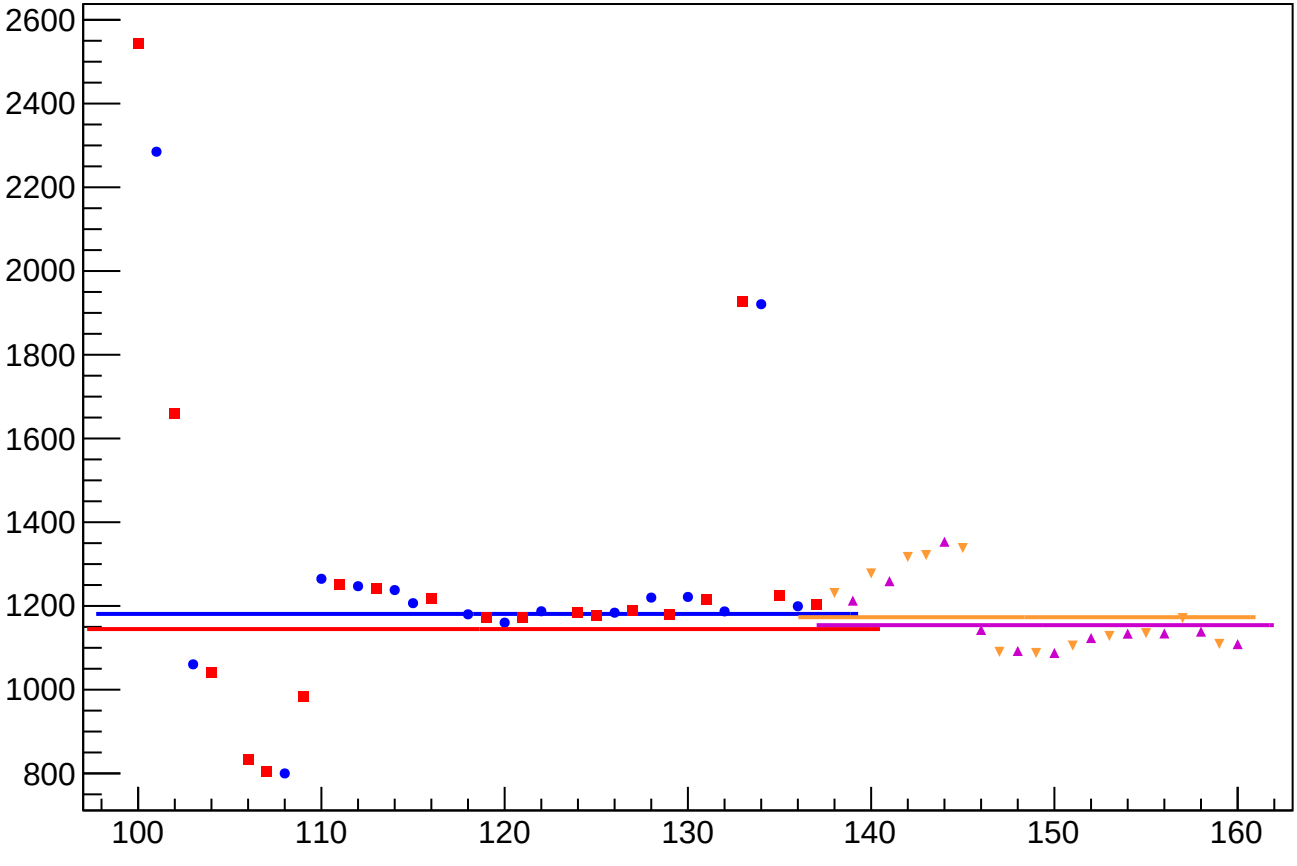
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -734.629+/-287.248 χ^2/NDF:17.3/26

Out: 551.549+/-286.349 χ^2/NDF:39.9/30

All: -89.524+/-202.796 χ^2/NDF: 67.3/57

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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: 1154.107+/-0.264 χ^2/NDF:73011.5/10

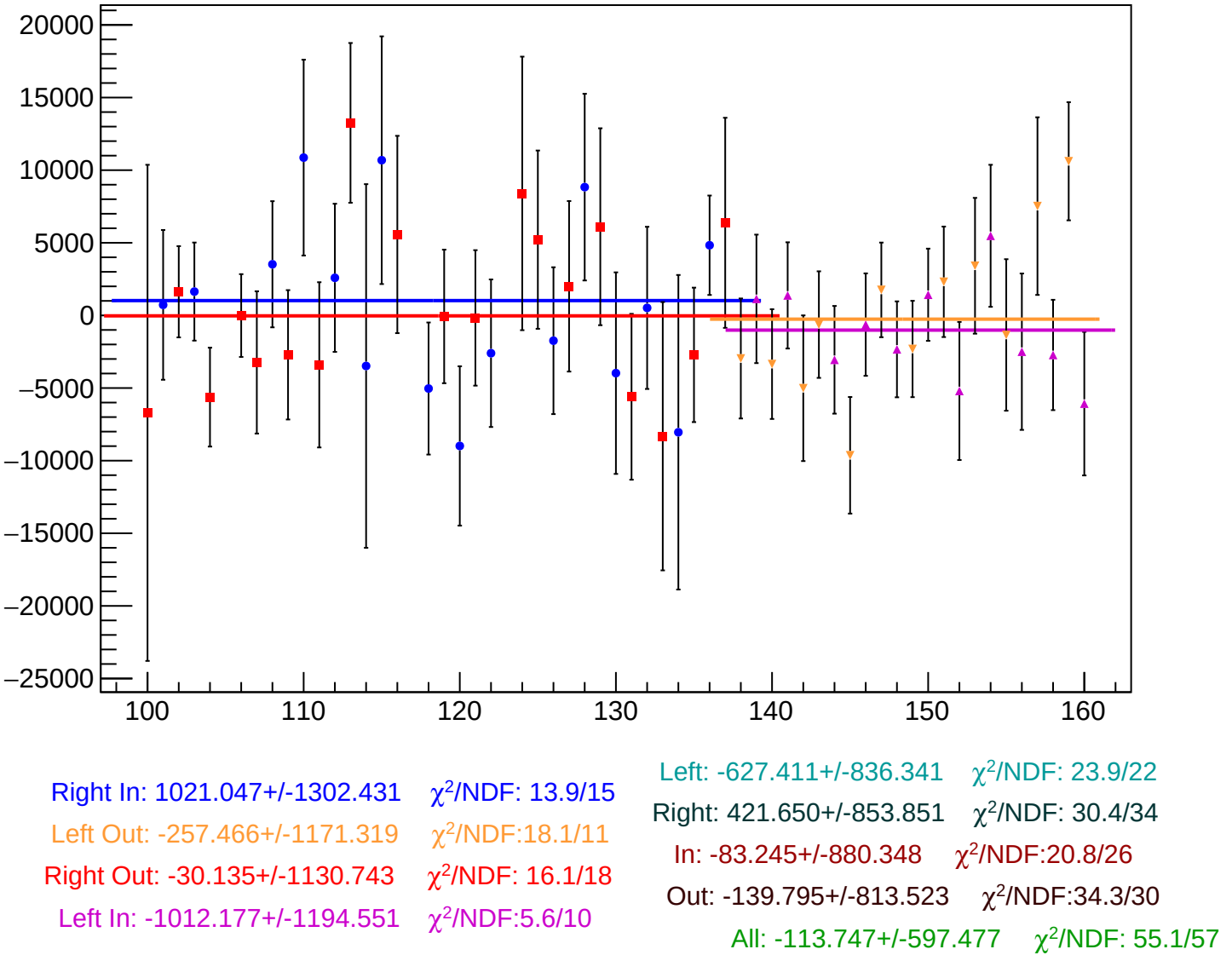
Left: 1163.450+/-0.189 χ^2/NDF: 182435.8/22

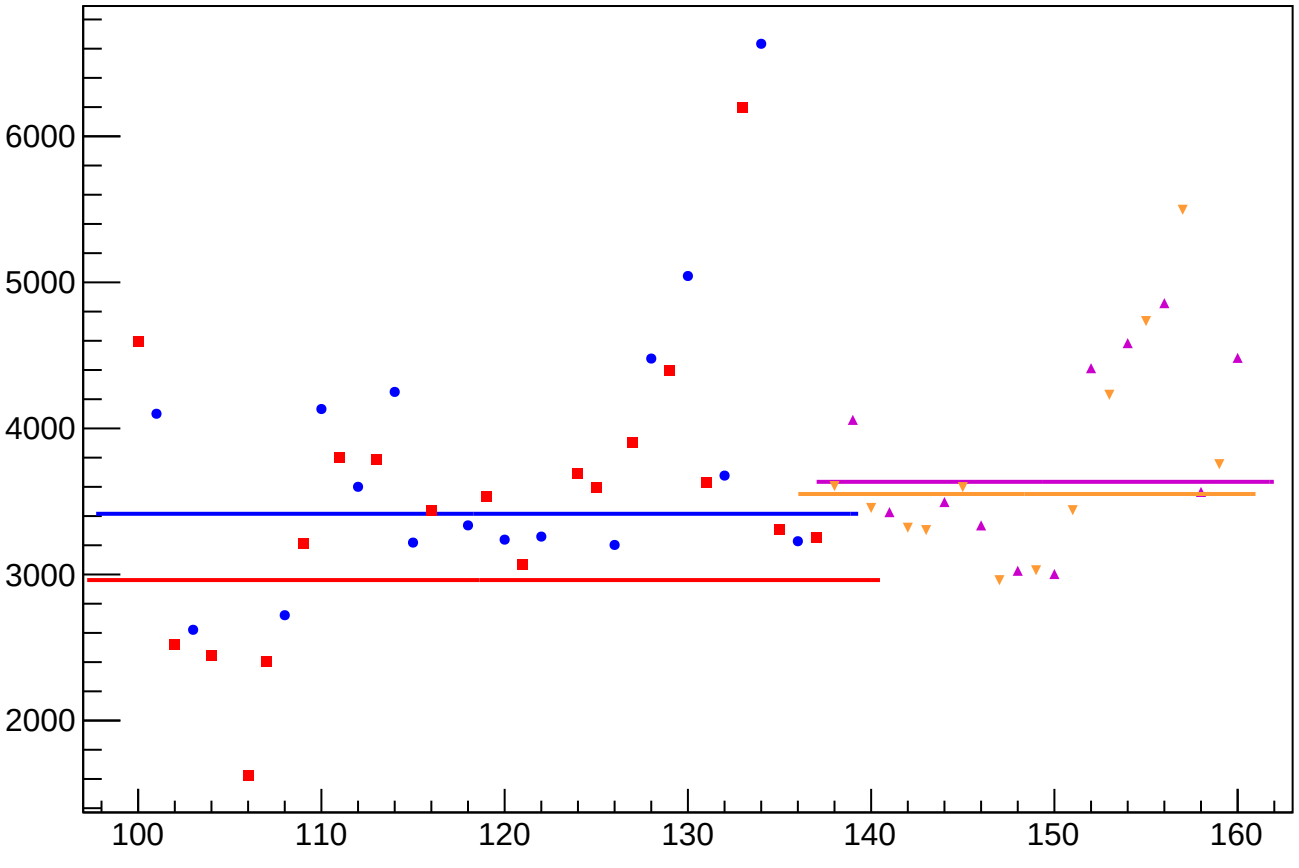
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1165.120+/-0.203 χ^2/NDF:699117.3/26

Out: 1160.806+/-0.202 χ^2/NDF:609435.2/30

All: 1162.956+/-0.143 χ^2/NDF: 1308778.7/57


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 1021.047+/-1302.431 χ²/NDF: 13.9/15
Left Out: -257.466+/-1171.319 χ²/NDF:18.1/11
Right Out: -30.135+/-1130.743 χ²/NDF: 16.1/18
Left In: -1012.177+/-1194.551 χ²/NDF:5.6/10
Left: -627.411+/-836.341 χ²/NDF: 23.9/22
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: -83.245+/-880.348 χ²/NDF:20.8/26
Out: -139.795+/-813.523 χ²/NDF:34.3/30
All: -113.747+/-597.477 χ²/NDF: 55.1/57



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: 3634.363+/-0.845 χ^2/NDF:480930.6/10

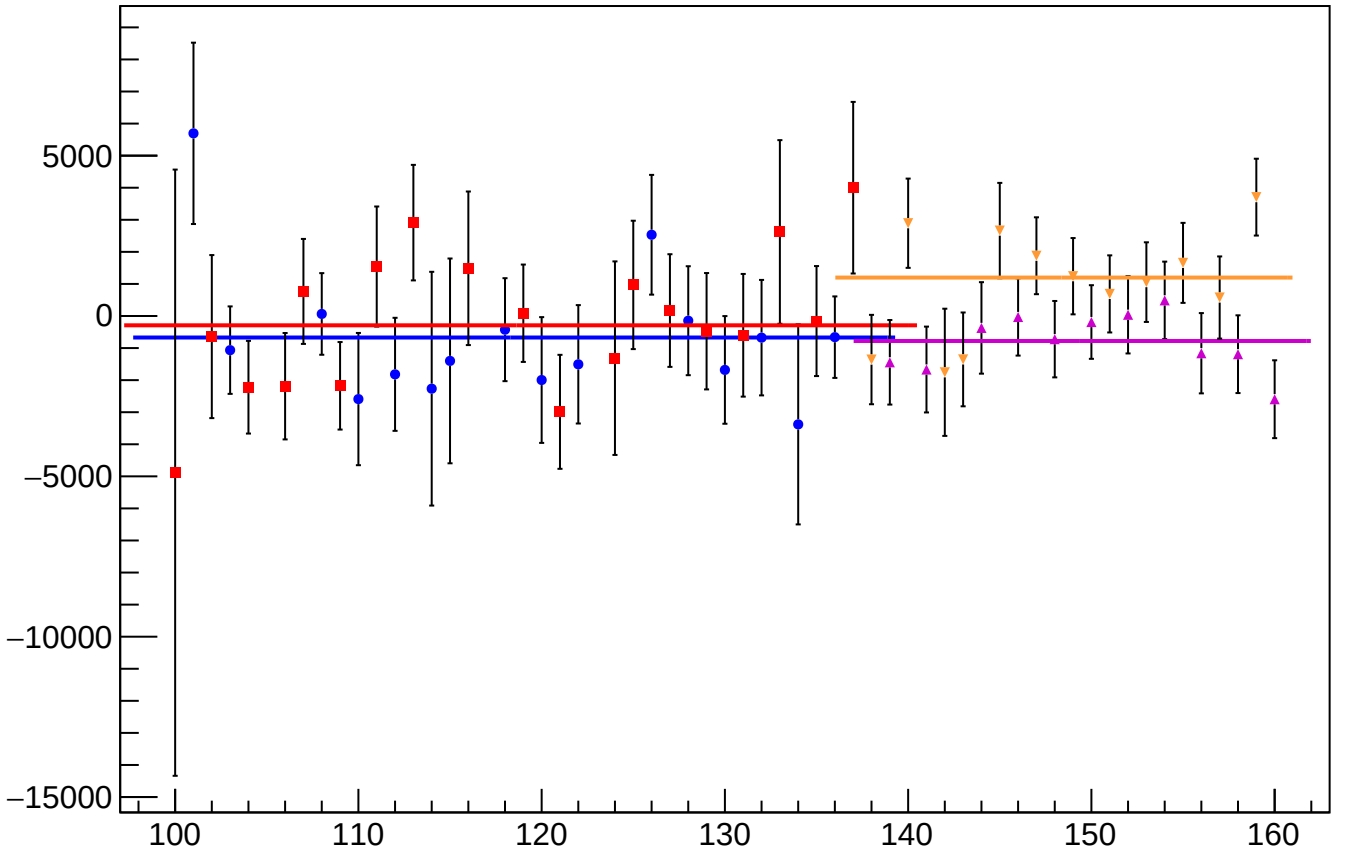
Left: 3591.922+/-0.591 χ^2/NDF: 970949.1/22

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3534.413+/-0.622 χ^2/NDF:1103921.7/26

Out: 3246.073+/-0.575 χ^2/NDF:1916377.6/30

All: 3378.885+/-0.422 χ^2/NDF: 3136026.3/57



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: -779.007+/-374.027 χ^2/NDF:5.4/10

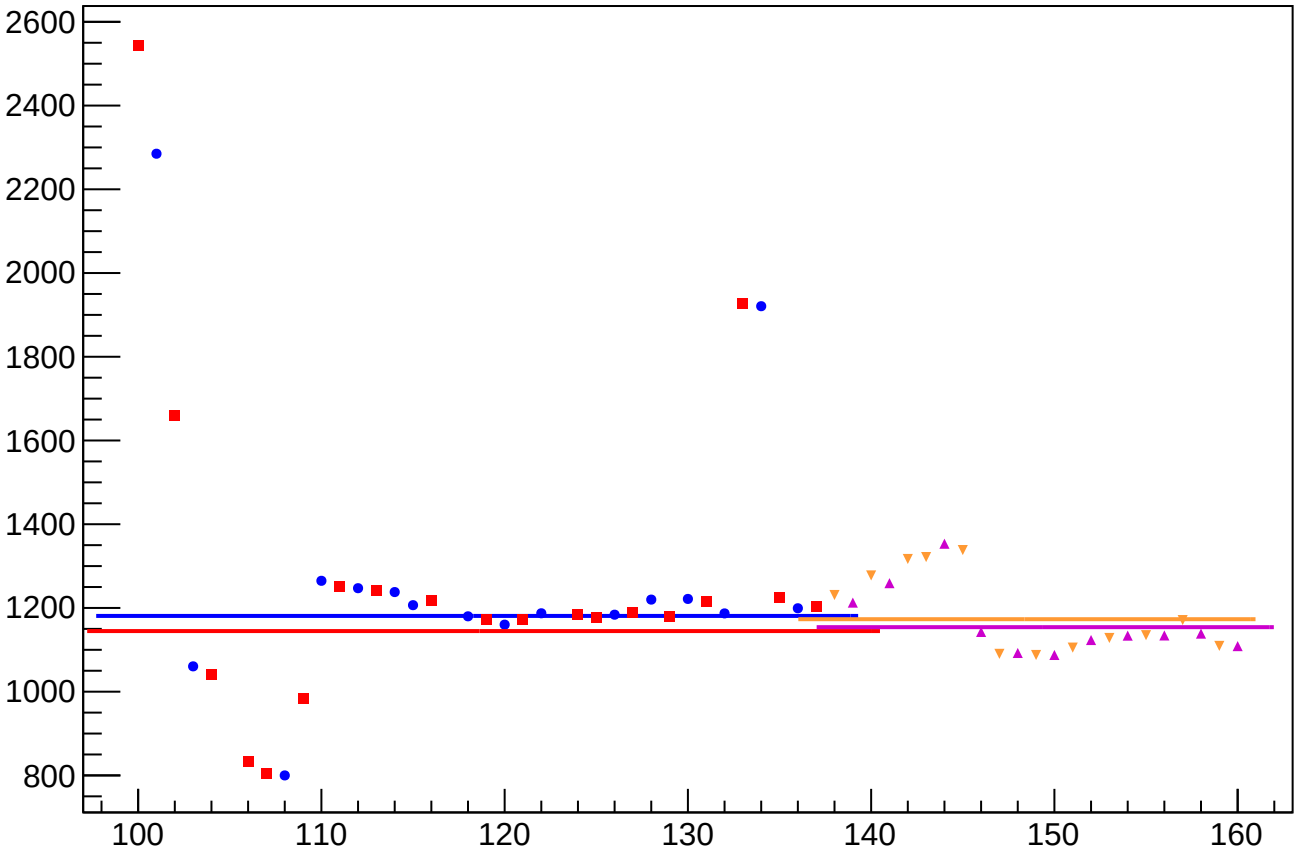
Left: 191.980+/-266.831 χ^2/NDF: 35.5/22

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -734.631+/-287.248 χ^2/NDF:17.3/26

Out: 551.550+/-286.349 χ^2/NDF:39.9/30

All: -89.524+/-202.796 χ^2/NDF: 67.3/57



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: 1154.107+/-0.264 χ^2/NDF:73011.0/10

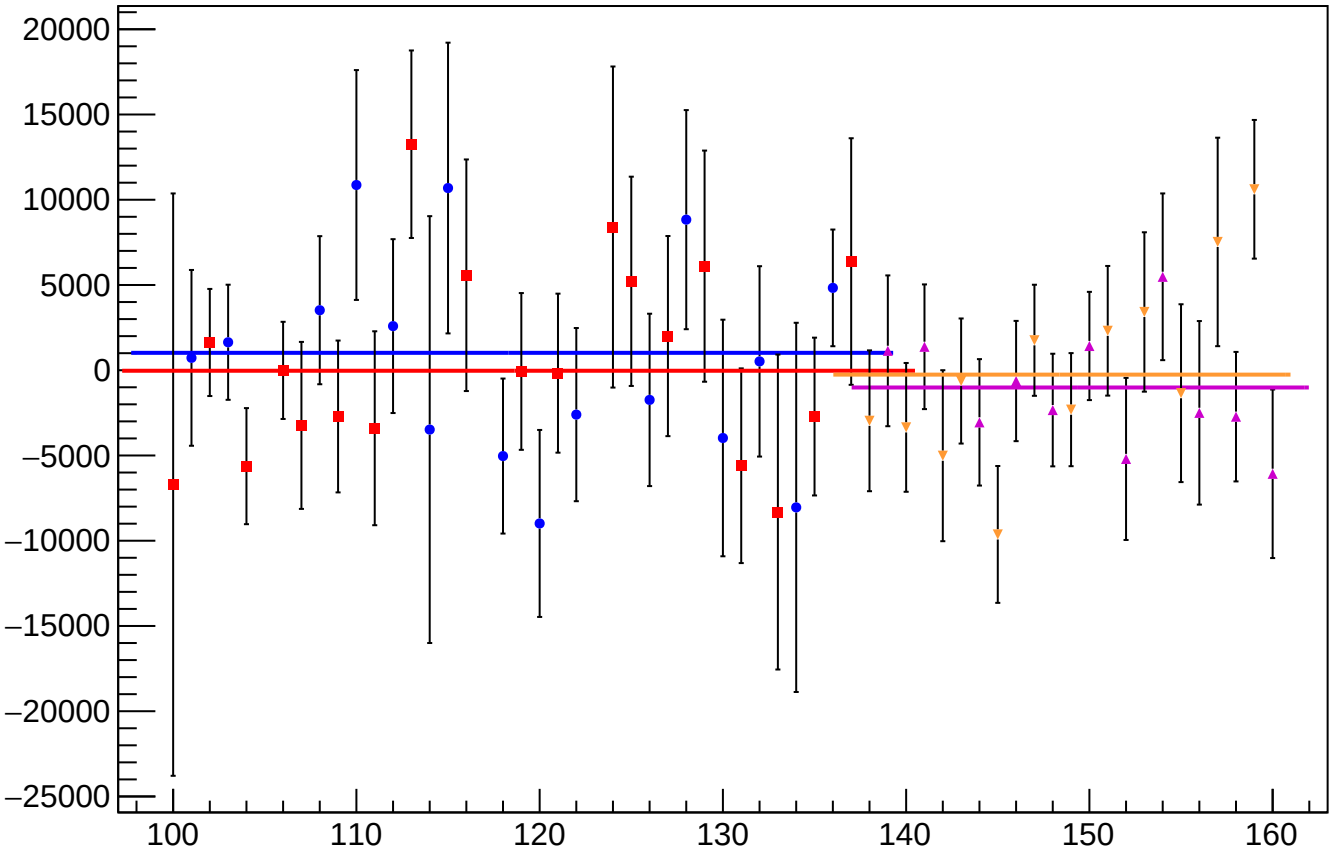
Left: 1163.450+/-0.189 χ^2/NDF: 182435.5/22

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1165.120+/-0.203 χ^2/NDF:699116.9/26

Out: 1160.807+/-0.202 χ^2/NDF:609434.9/30

All: 1162.956+/-0.143 χ^2/NDF: 1308778.1/57



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: -1012.175+/-1194.553 χ^2/NDF:5.6/10

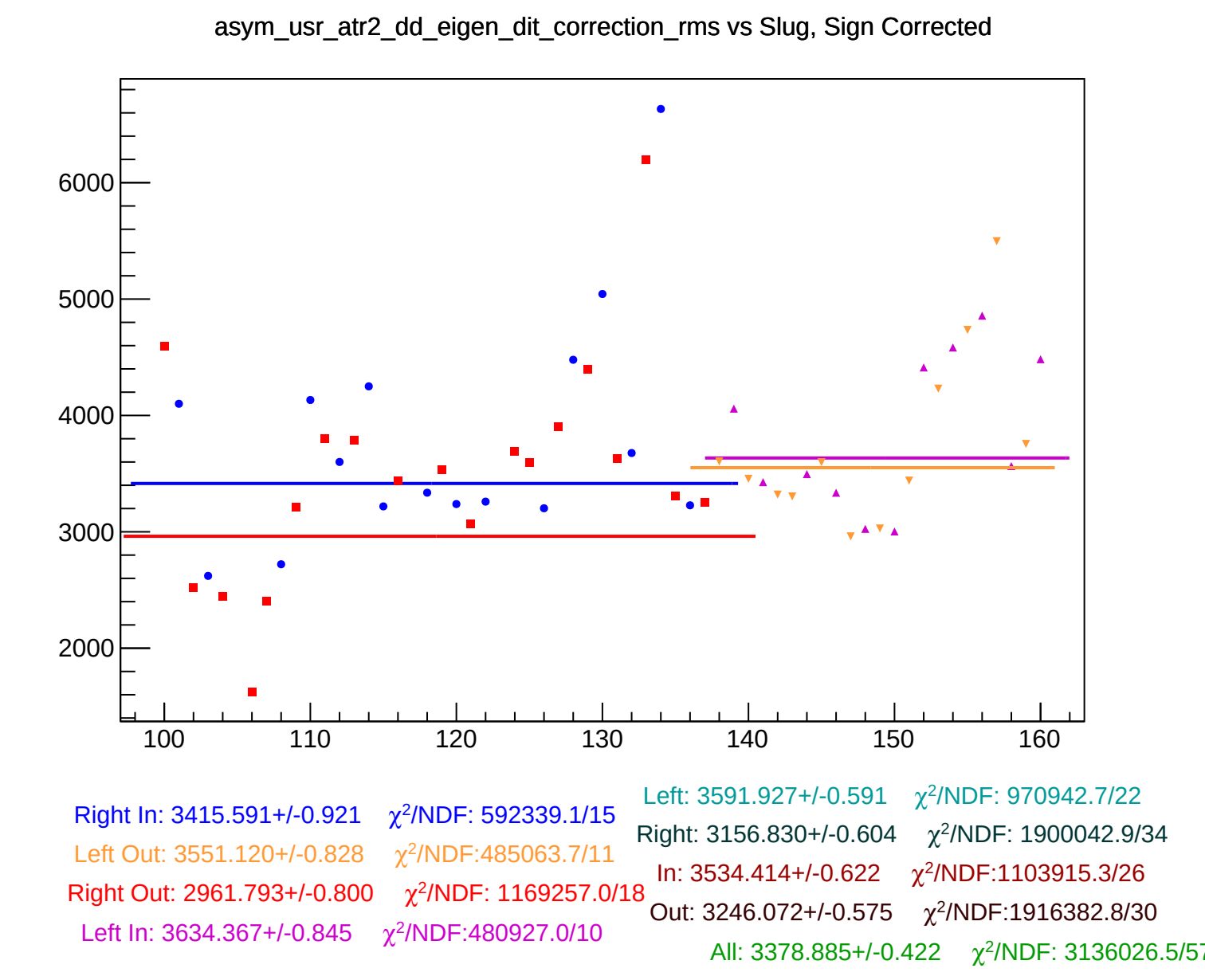
Left: -627.408+/-836.342 χ^2/NDF: 23.9/22

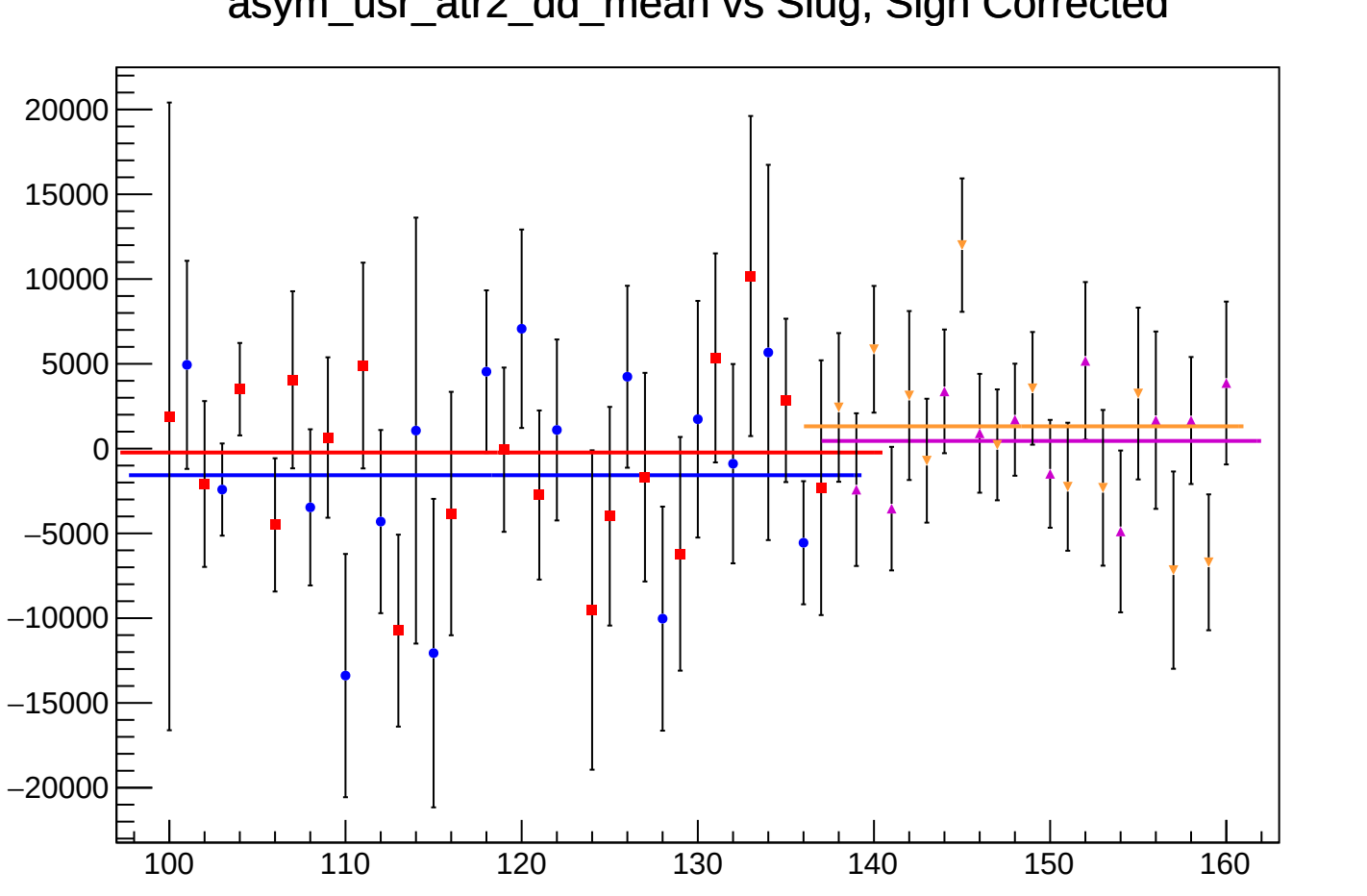
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: -83.250+/-880.348 χ^2/NDF:20.8/26

Out: -139.796+/-813.522 χ^2/NDF:34.3/30

All: -113.750+/-597.477 χ^2/NDF: 55.1/57


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: 3634.367+/-0.845 χ²/NDF:480927.0/10
Left: 3591.927+/-0.591 χ²/NDF: 970942.7/22
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3534.414+/-0.622 χ²/NDF:1103915.3/26
Out: 3246.072+/-0.575 χ²/NDF:1916382.8/30
All: 3378.885+/-0.422 χ²/NDF: 3136026.5/57



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: 452.280+/-1184.211 χ^2/NDF:5.7/10

Left: 889.785+/-830.778 χ^2/NDF: 23.7/22

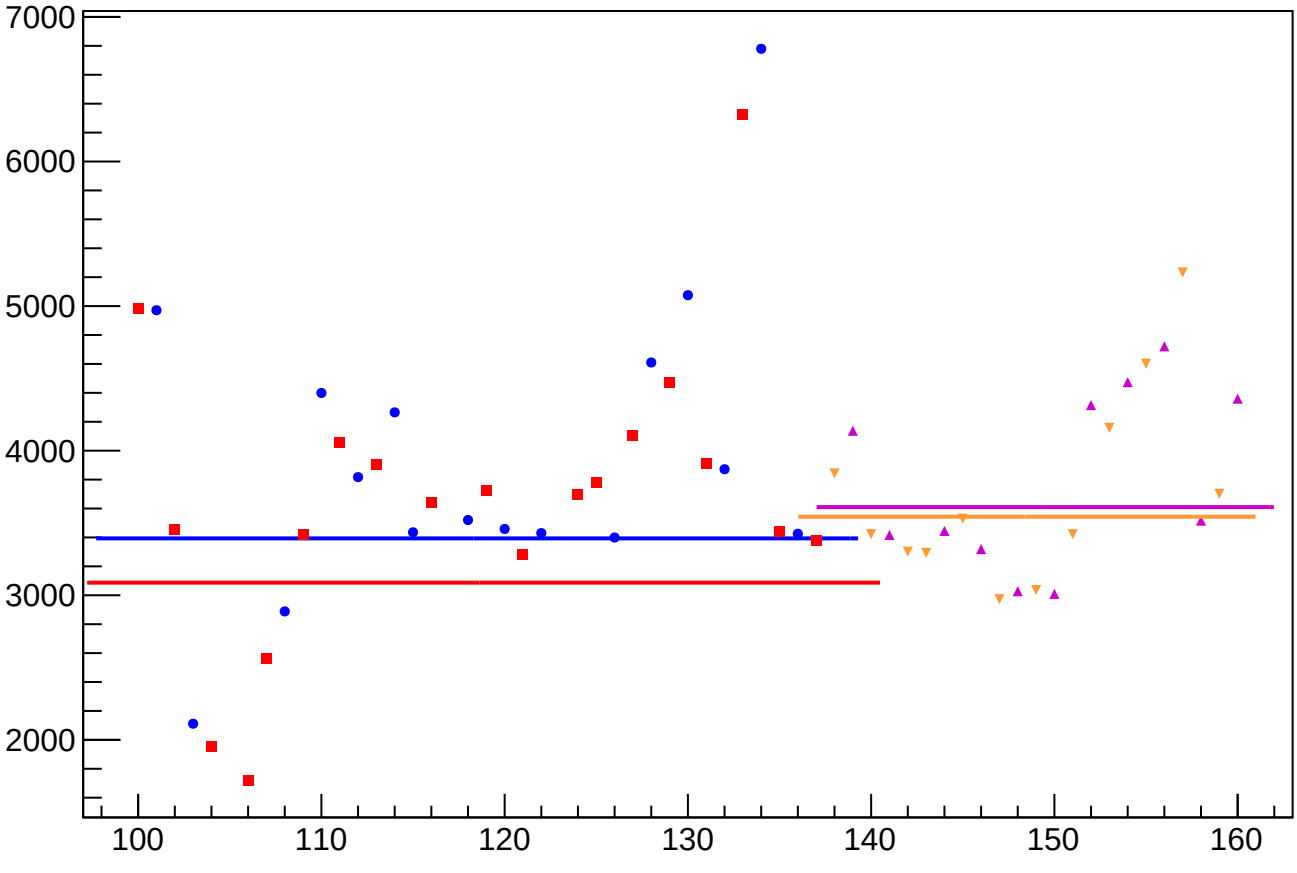
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -454.803+/-879.361 χ^2/NDF:21.5/26

Out: 579.135+/-844.275 χ^2/NDF:31.8/30

All: 83.204+/-609.019 χ^2/NDF: 54.0/57

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: 3609.919+/-0.837 χ^2/NDF:436291.9/10

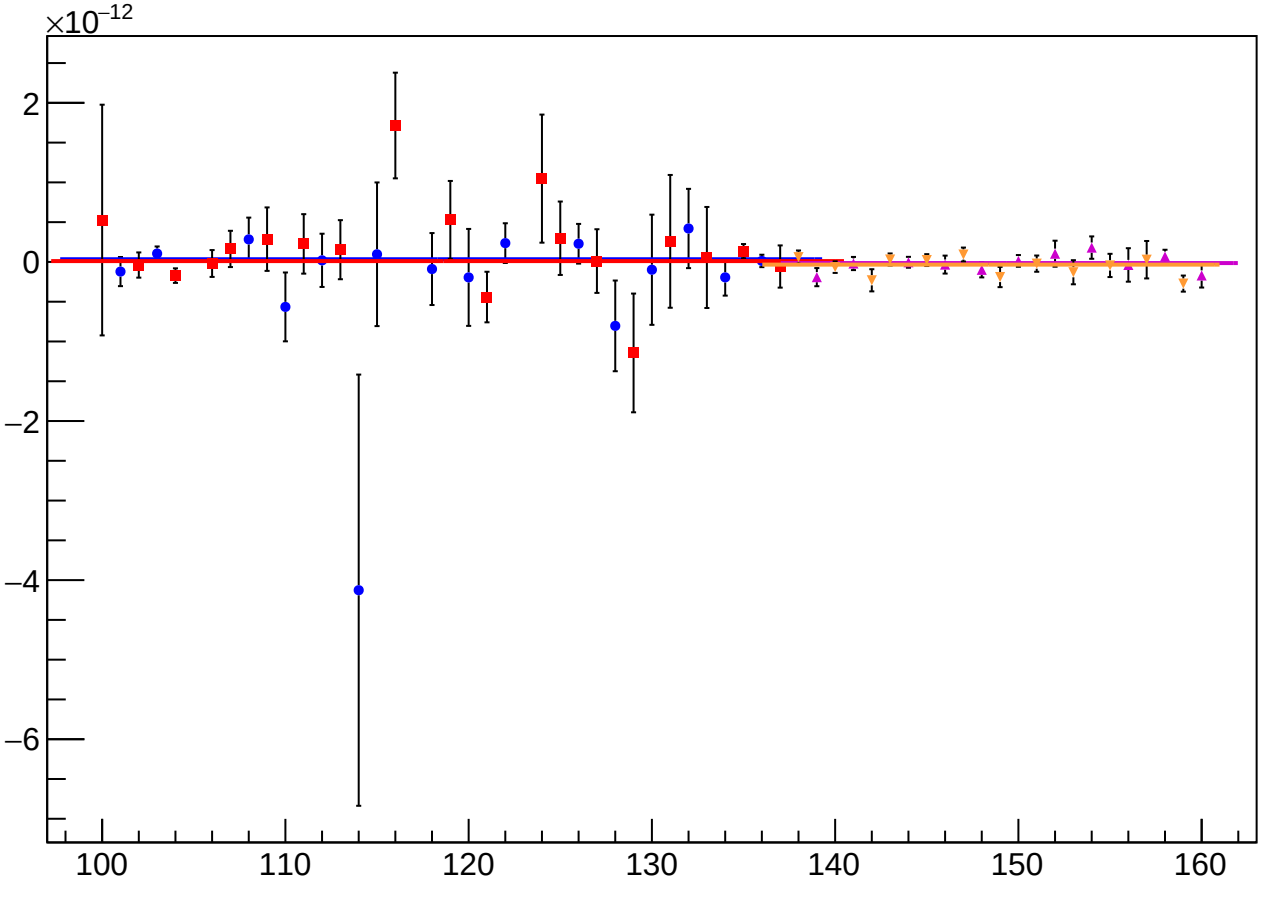
Left: 3576.020+/-0.587 χ^2/NDF: 869514.9/22

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3512.776+/-0.622 χ^2/NDF:1515001.6/26

Out: 3322.547+/-0.592 χ^2/NDF:1906349.9/30

All: 3413.021+/-0.429 χ^2/NDF: 3470431.0/57



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:7.8/10

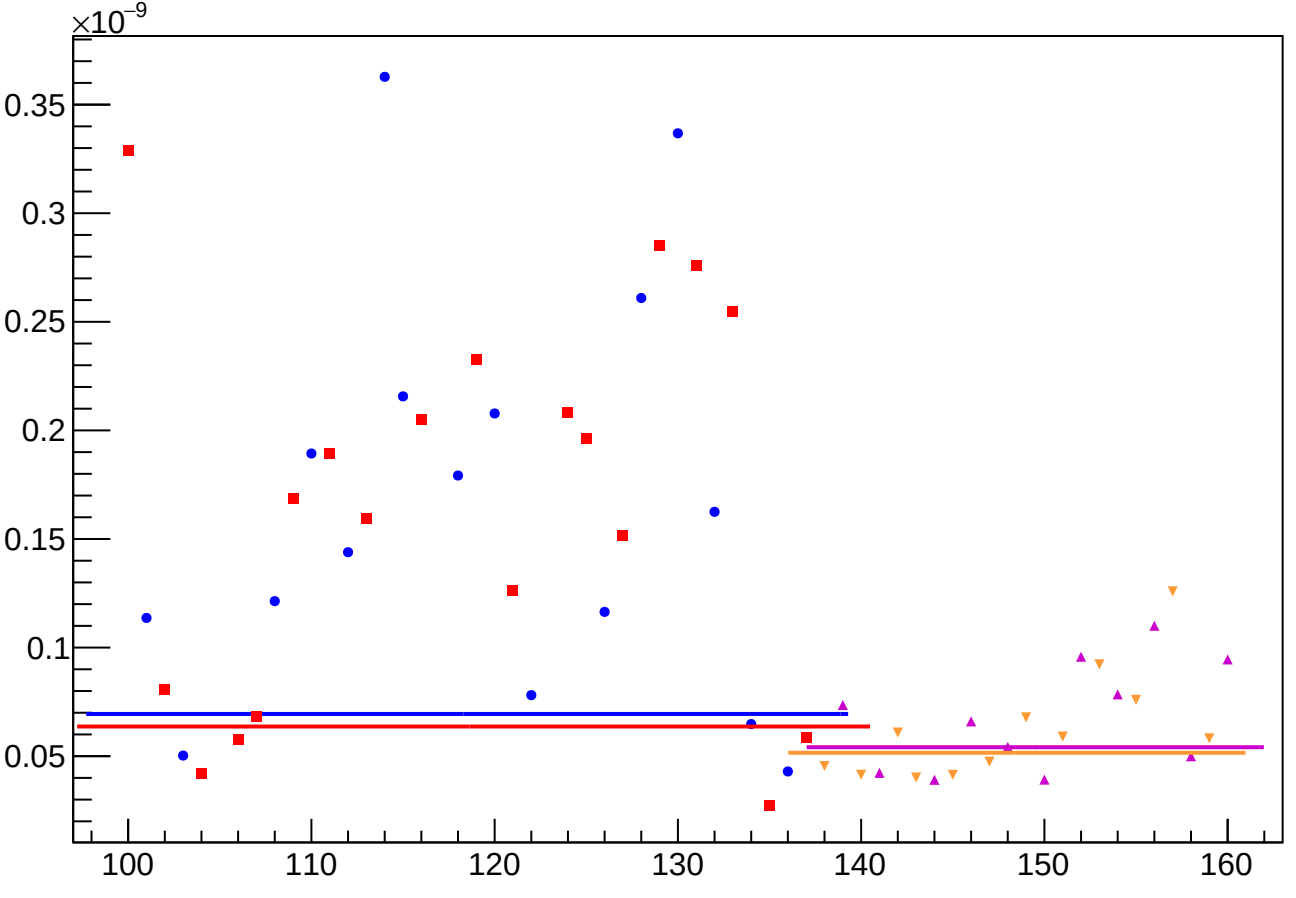
Left: -0.000+/-0.000 χ^2/NDF: 22.4/22

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/26

Out: -0.000+/-0.000 χ^2/NDF:36.9/30

All: -0.000+/-0.000 χ^2/NDF: 57.6/57



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:776763.0/10

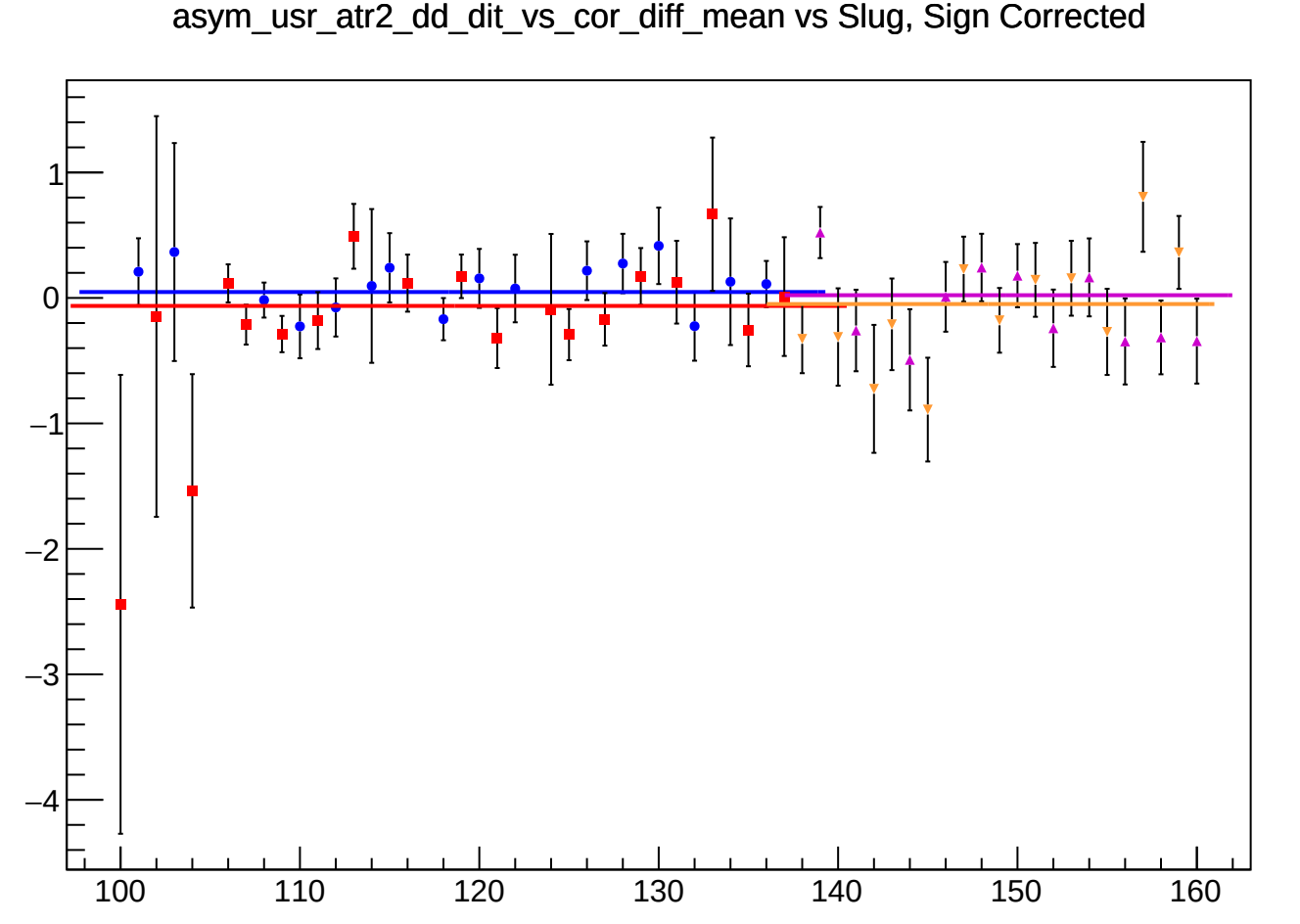
Left: 0.000+/-0.000 χ^2/NDF: 1380400.6/22

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2648038.7/26

Out: 0.000+/-0.000 χ^2/NDF:2935719.3/30

All: 0.000+/-0.000 χ^2/NDF: 5606090.8/57



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: 0.022+/-0.087 χ^2/NDF:14.0/10

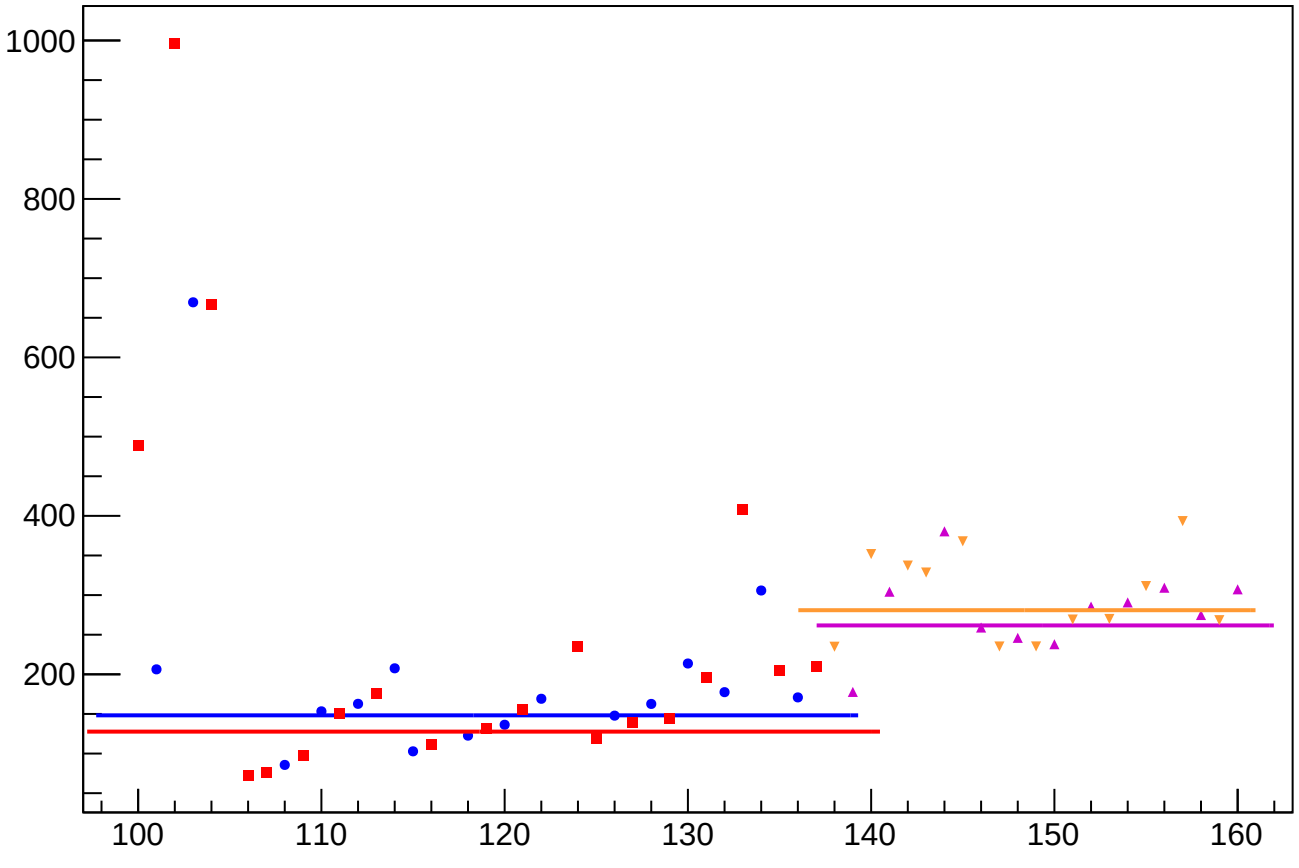
Left: -0.011+/-0.064 χ^2/NDF: 30.4/22

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.039+/-0.049 χ^2/NDF:22.6/26

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.013+/-0.034 χ^2/NDF: 63.1/57



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: 261.715+/-0.062 χ^2/NDF:679221.9/10

Left: 270.684+/-0.045 χ^2/NDF: 1277462.5/22

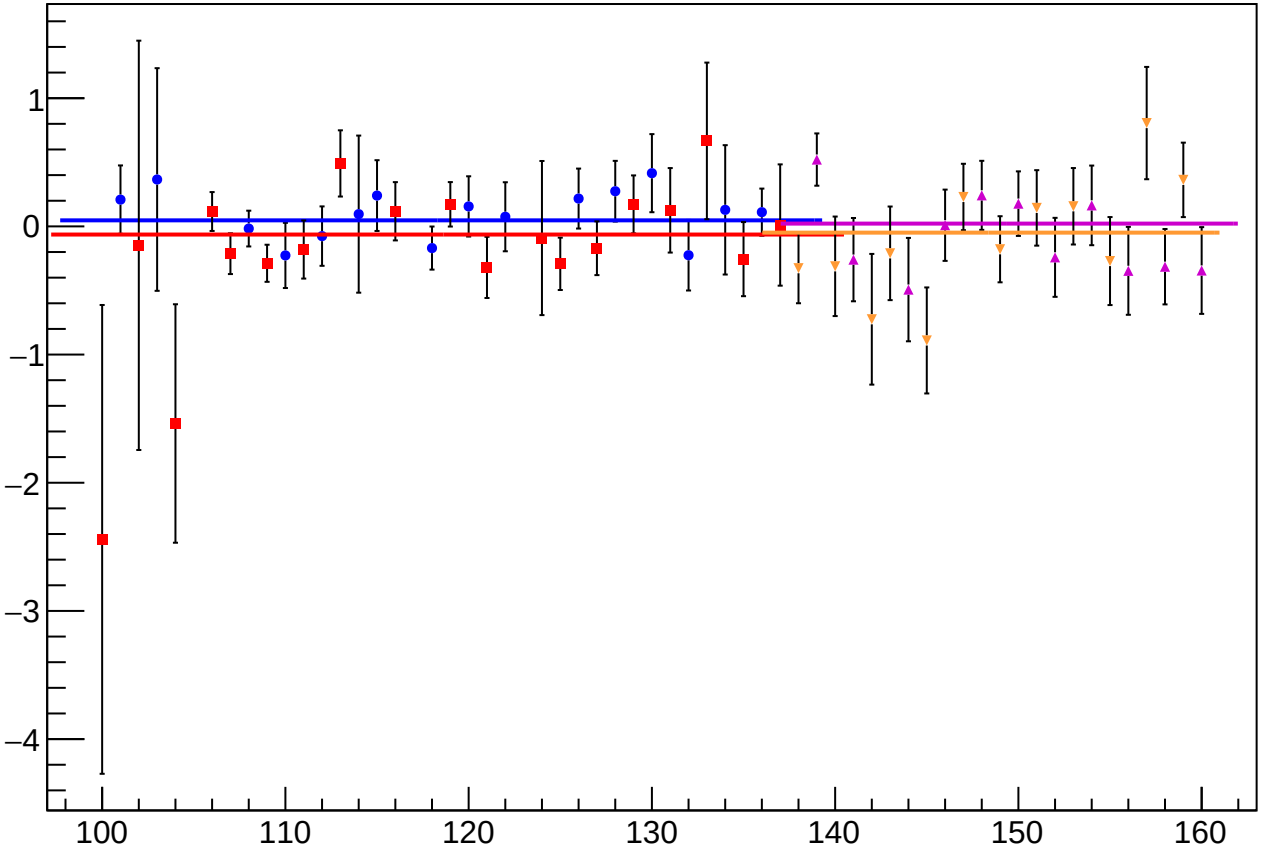
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.790+/-0.035 χ^2/NDF:4691213.1/26

Out: 167.000+/-0.033 χ^2/NDF:7426555.1/30

All: 175.474+/-0.024 χ^2/NDF: 12253462.0/57

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: 0.022+/-0.087 χ^2/NDF:14.0/10

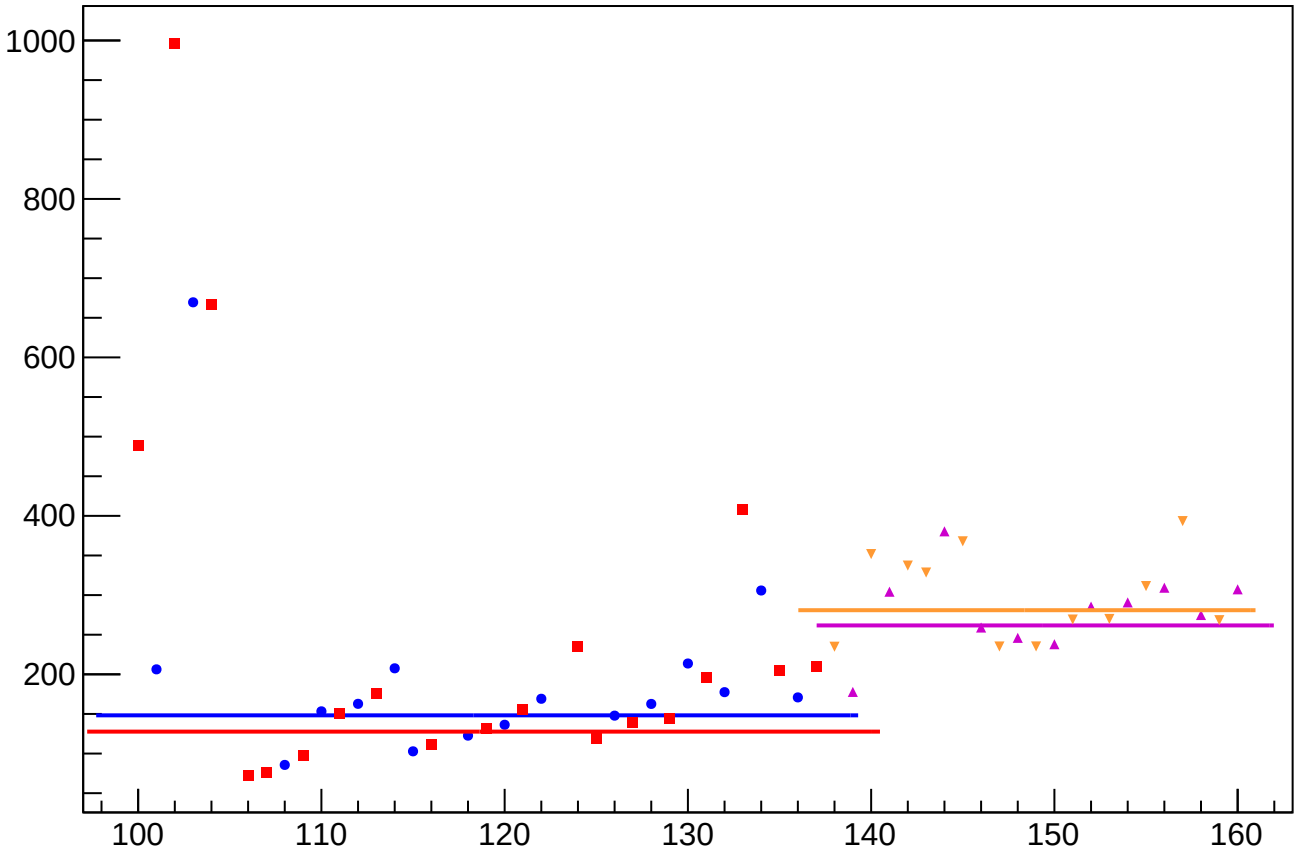
Left: -0.011+/-0.064 χ^2/NDF: 30.4/22

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.039+/-0.049 χ^2/NDF:22.6/26

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.013+/-0.034 χ^2/NDF: 63.1/57



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: 261.715+/-0.062 χ^2/NDF:679221.9/10

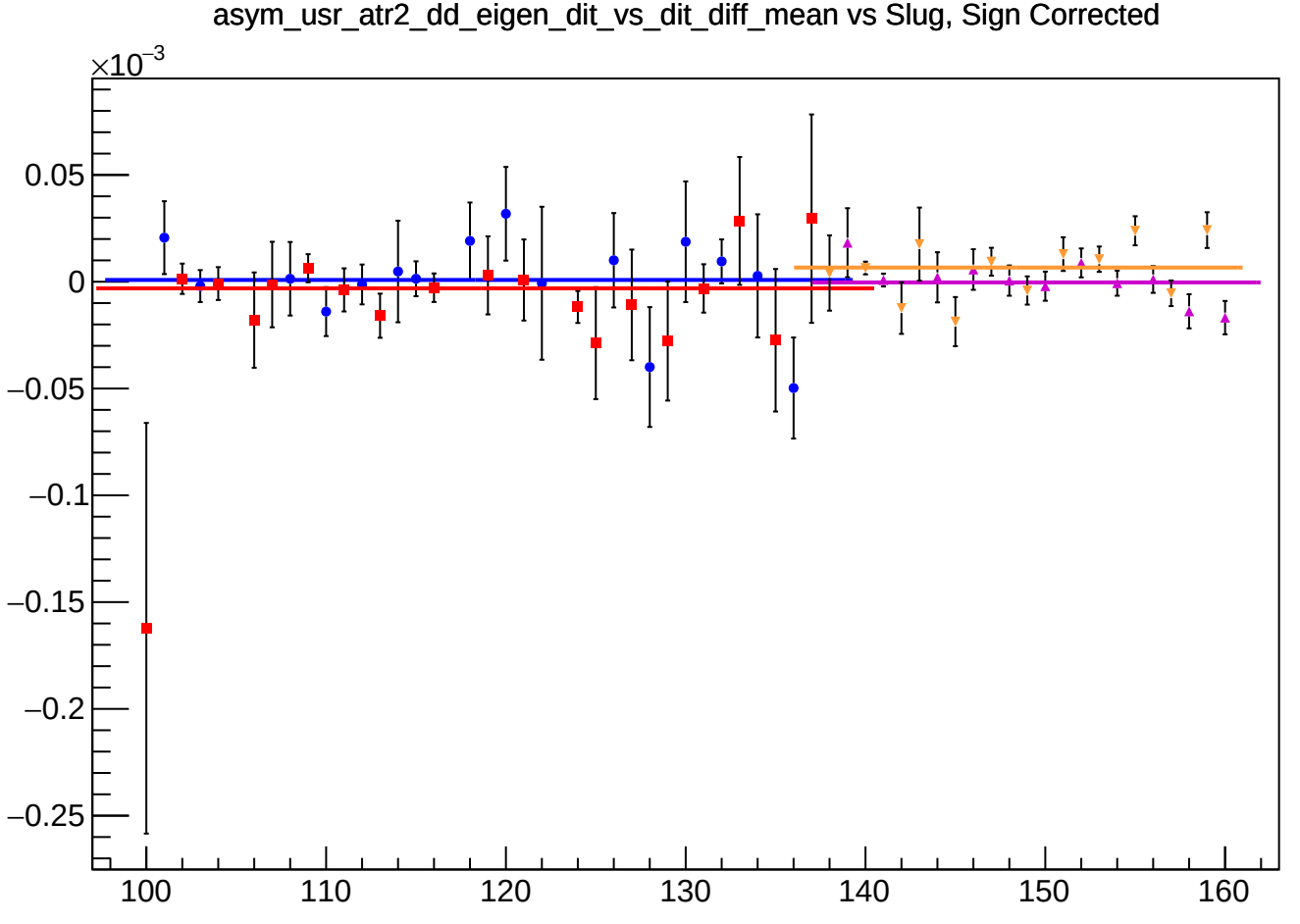
Left: 270.684+/-0.045 χ^2/NDF: 1277462.5/22

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.790+/-0.035 χ^2/NDF:4691213.1/26

Out: 167.000+/-0.033 χ^2/NDF:7426555.1/30

All: 175.474+/-0.024 χ^2/NDF: 12253462.0/57



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:11.2/10

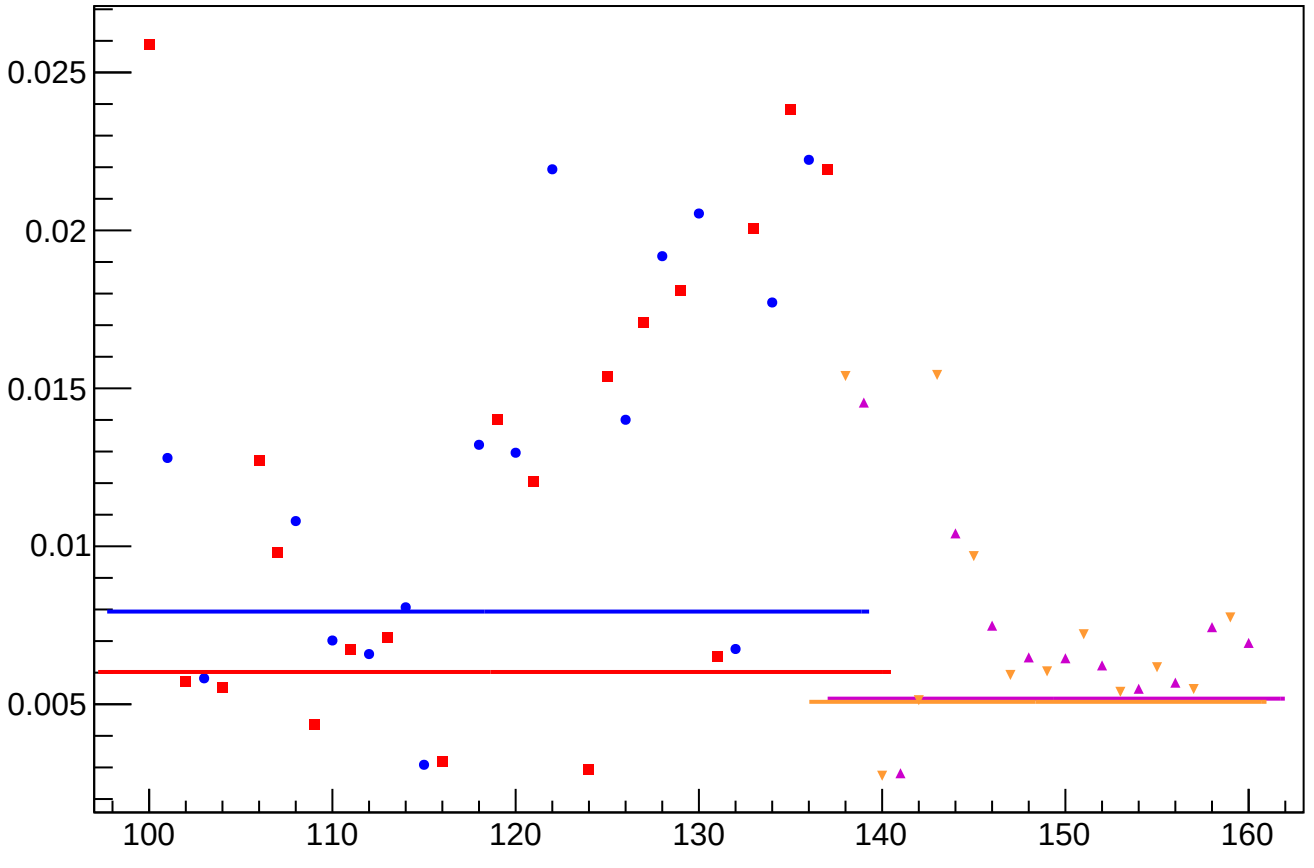
Left: 0.000+/-0.000 χ^2/NDF: 44.6/22

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.5/26

Out: 0.000+/-0.000 χ^2/NDF:48.2/30

All: 0.000+/-0.000 χ^2/NDF: 76.1/57



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:2893663.2/10

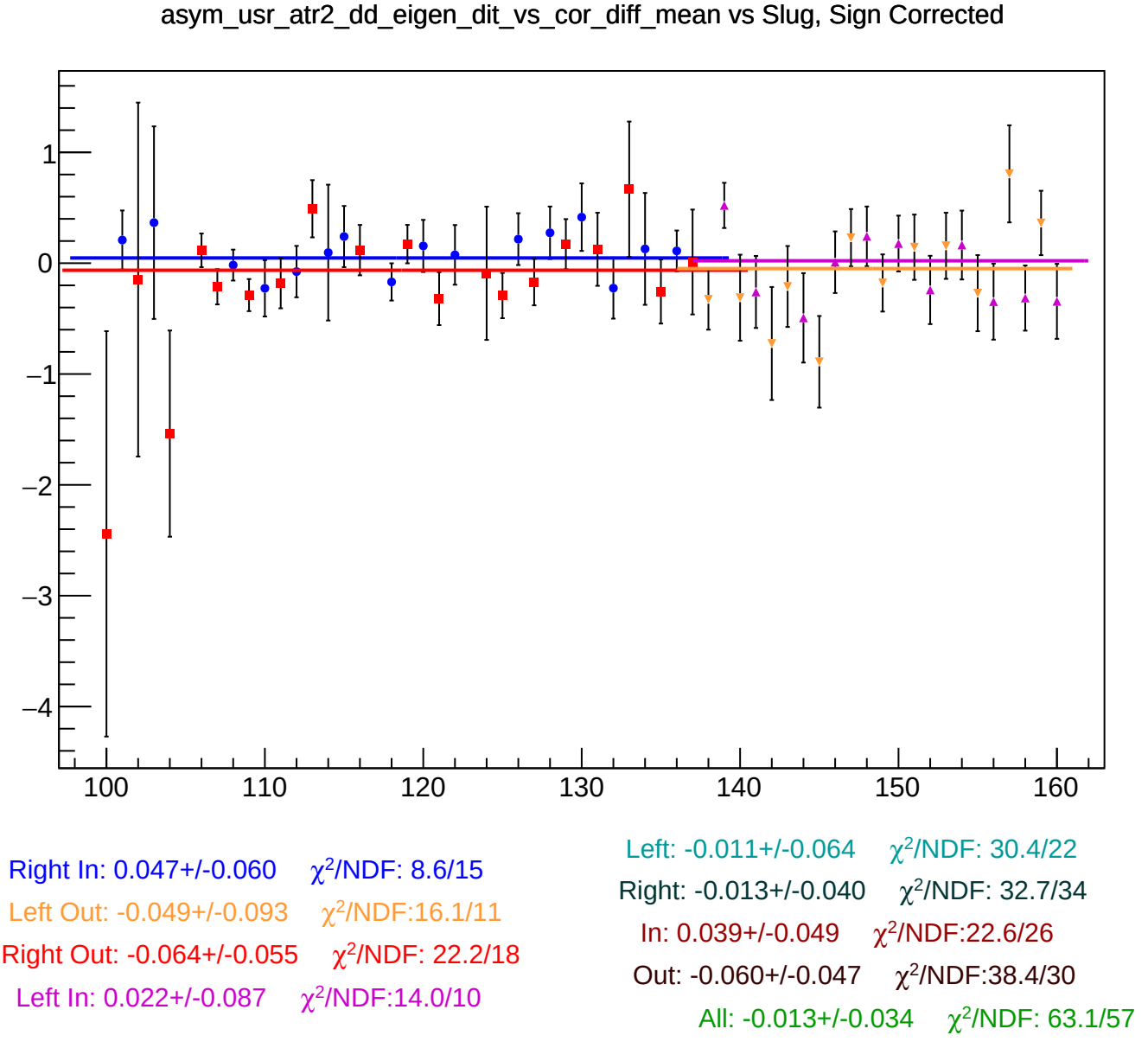
Left: 0.005+/-0.000 χ^2/NDF: 6351716.0/22

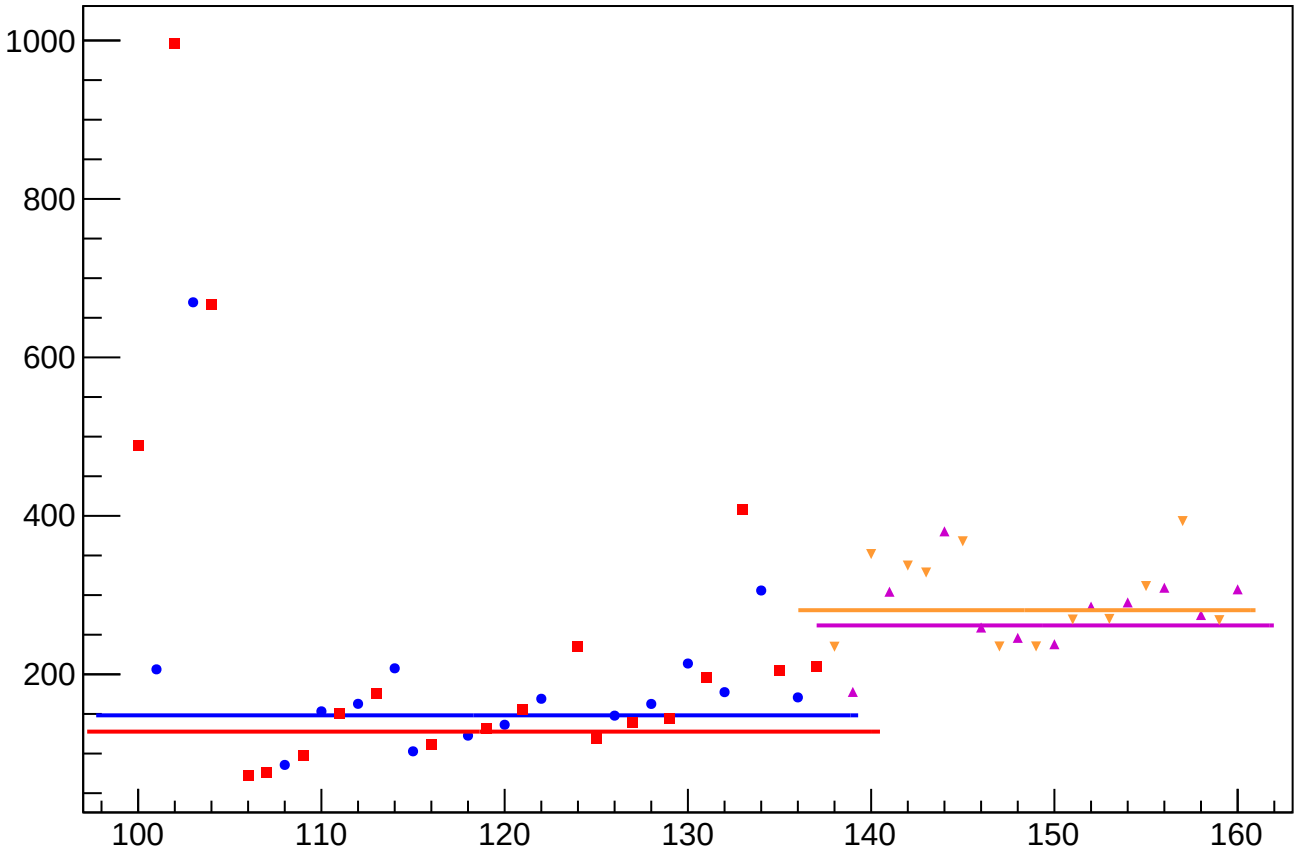
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7450838.2/26

Out: 0.005+/-0.000 χ^2/NDF:7636000.3/30

All: 0.006+/-0.000 χ^2/NDF: 15154408.2/57


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.049+/-0.093 χ²/NDF:16.1/11
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.022+/-0.087 χ²/NDF:14.0/10
Left: -0.011+/-0.064 χ²/NDF: 30.4/22
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.039+/-0.049 χ²/NDF:22.6/26
Out: -0.060+/-0.047 χ²/NDF:38.4/30
All: -0.013+/-0.034 χ²/NDF: 63.1/57



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: 261.718+/-0.062 χ^2/NDF:679176.3/10

Left: 270.688+/-0.045 χ^2/NDF: 1277379.0/22

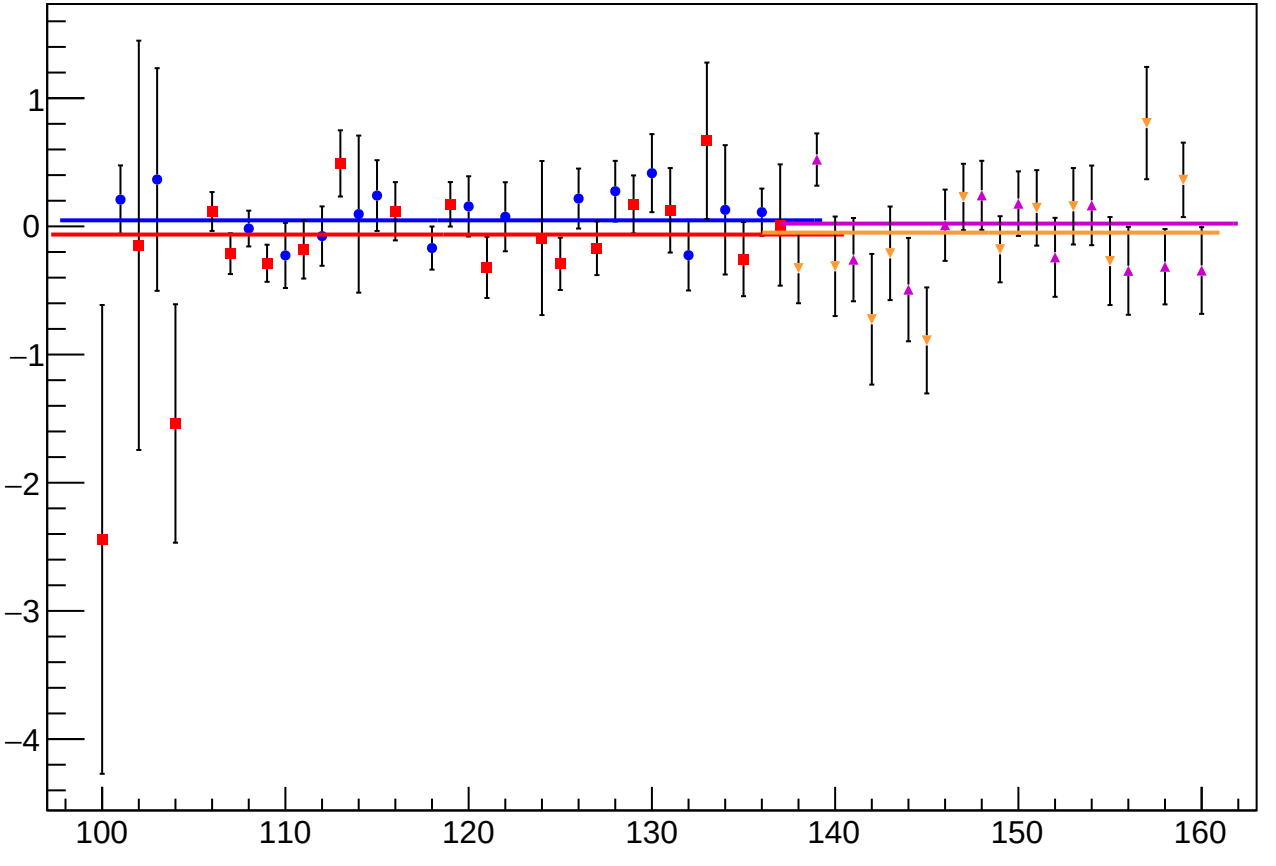
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.788+/-0.035 χ^2/NDF:4691450.6/26

Out: 167.001+/-0.033 χ^2/NDF:7426609.9/30

All: 175.473+/-0.024 χ^2/NDF: 12253722.1/57

asym_usr_atr2_dd_eigen_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: 0.022+/-0.087 χ^2/NDF:14.0/10

Left: -0.011+/-0.064 χ^2/NDF: 30.4/22

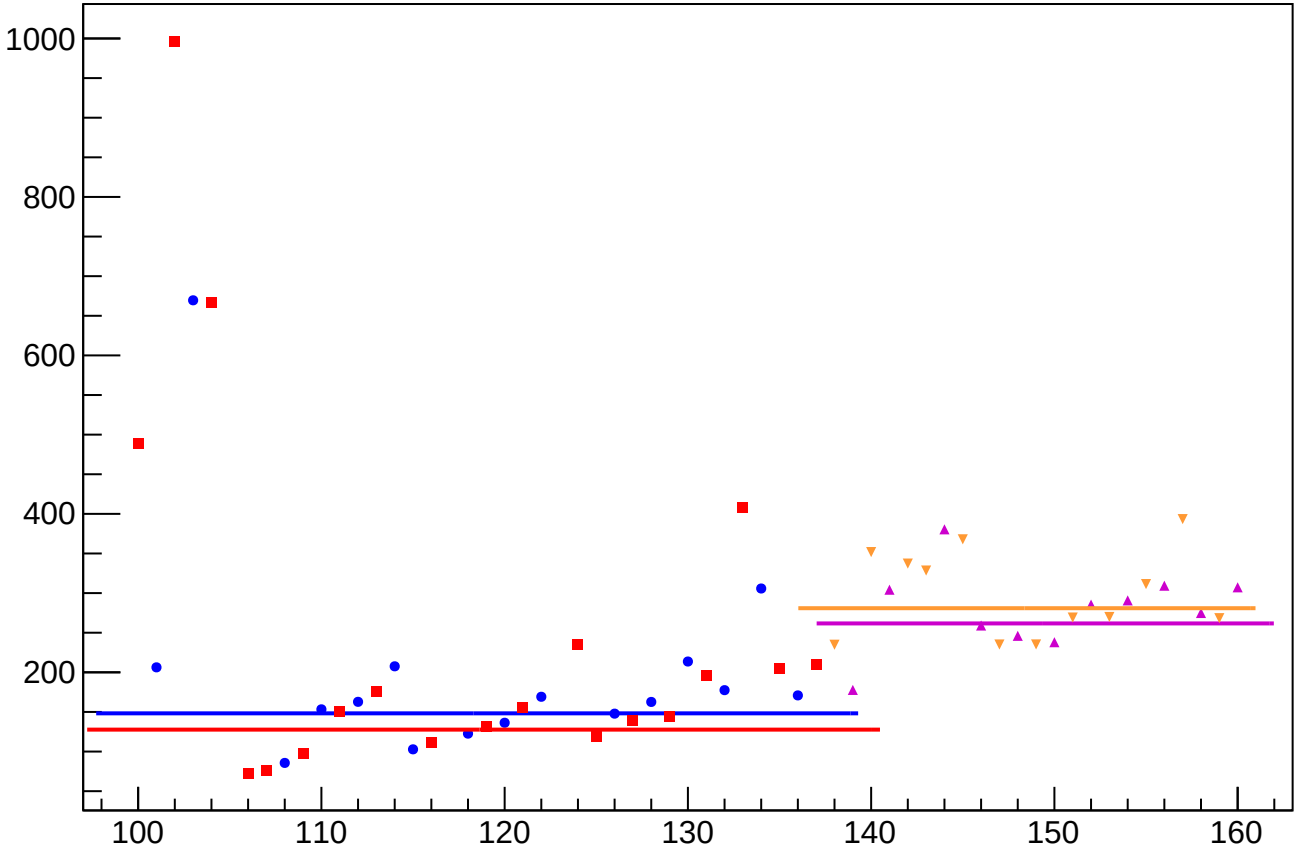
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.039+/-0.049 χ^2/NDF:22.6/26

Out: -0.060+/-0.047 χ^2/NDF:38.4/30

All: -0.013+/-0.034 χ^2/NDF: 63.1/57

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: 261.718+/-0.062 χ^2/NDF:679176.3/10

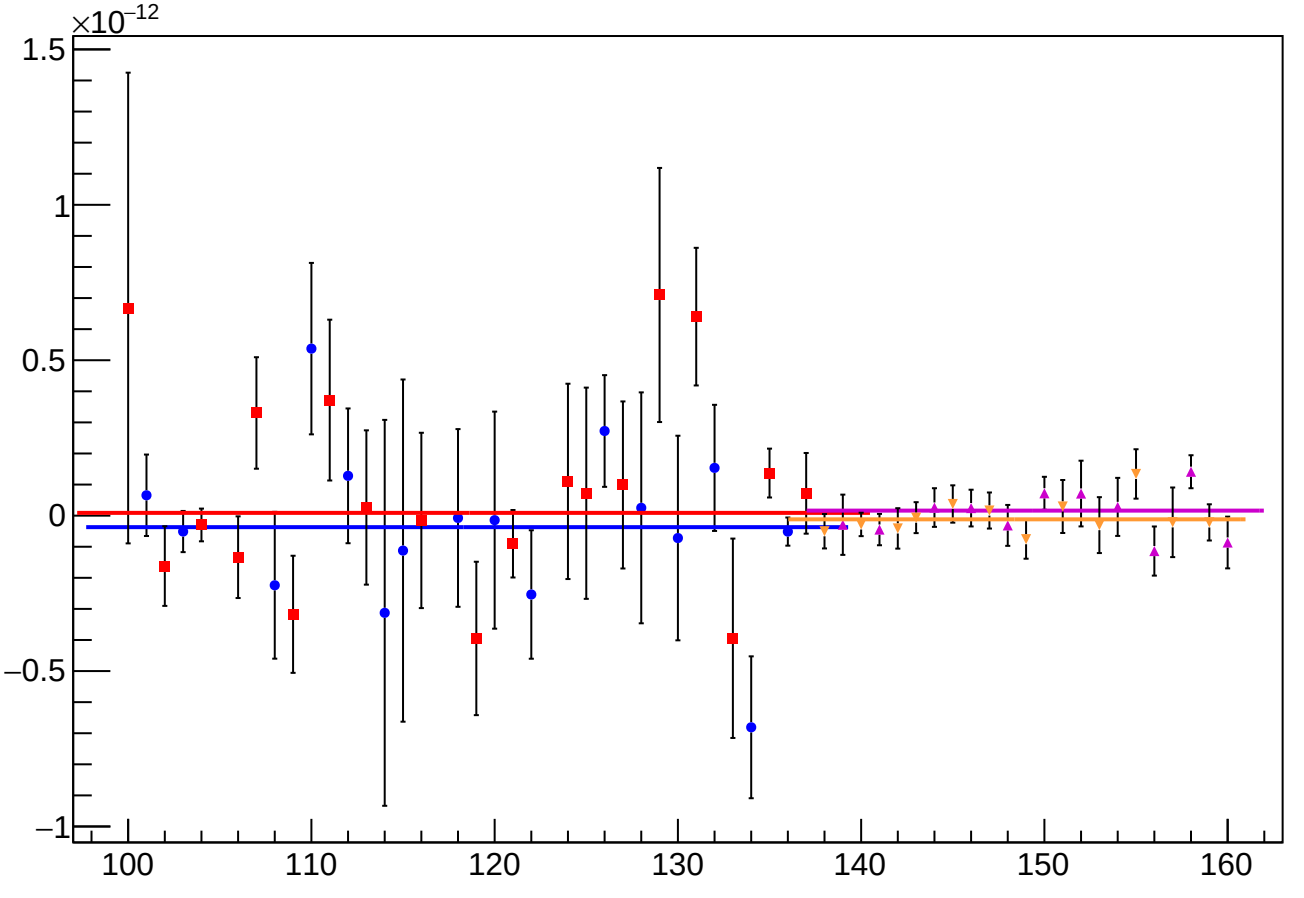
Left: 270.688+/-0.045 χ^2/NDF: 1277379.0/22

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.788+/-0.035 χ^2/NDF:4691450.6/26

Out: 167.001+/-0.033 χ^2/NDF:7426609.9/30

All: 175.473+/-0.024 χ^2/NDF: 12253722.1/57



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:13.4/10

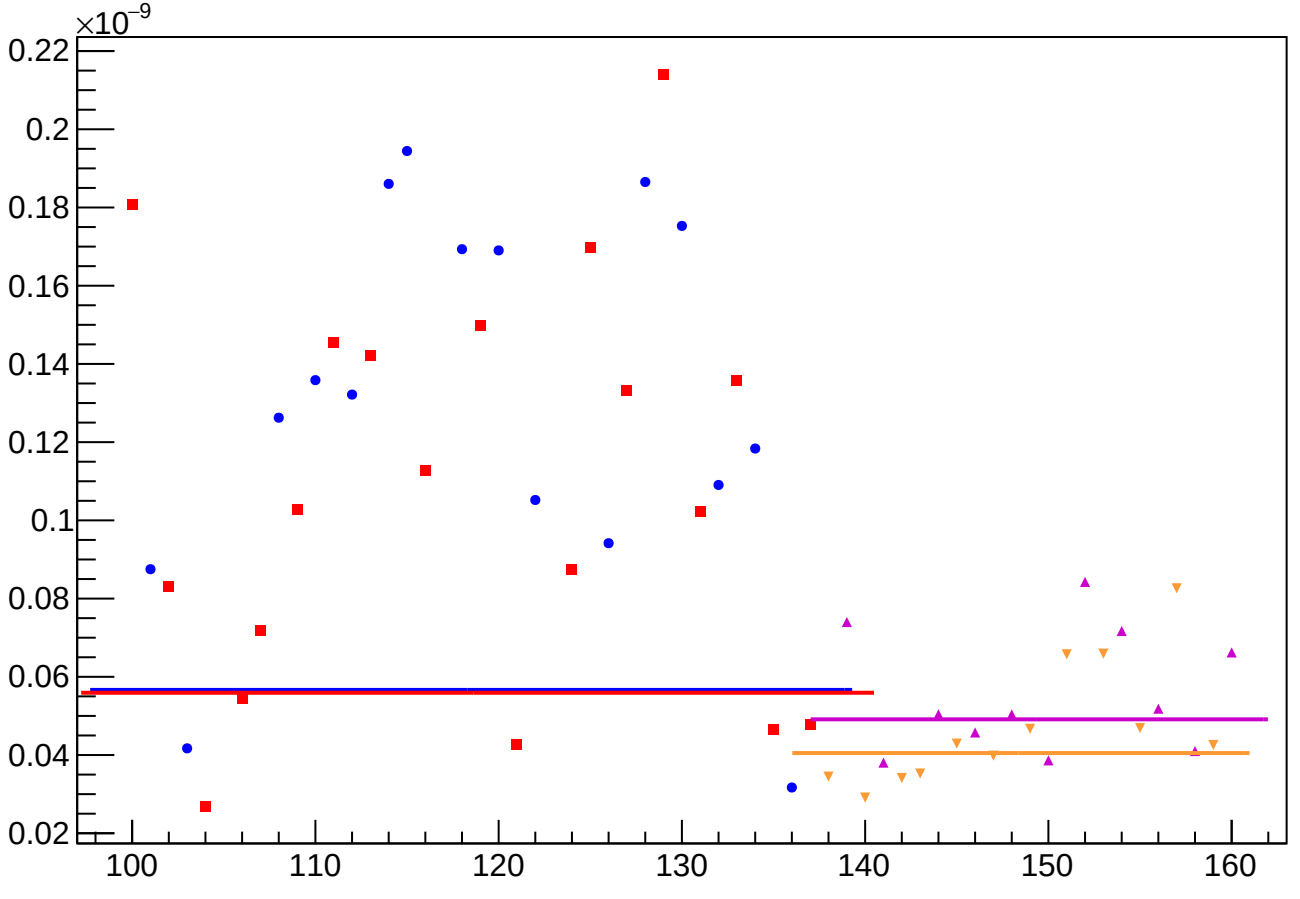
Left: 0.000+/-0.000 χ^2/NDF: 21.1/22

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:34.9/26

Out: -0.000+/-0.000 χ^2/NDF:38.6/30

All: -0.000+/-0.000 χ^2/NDF: 73.6/57



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:786134.3/10

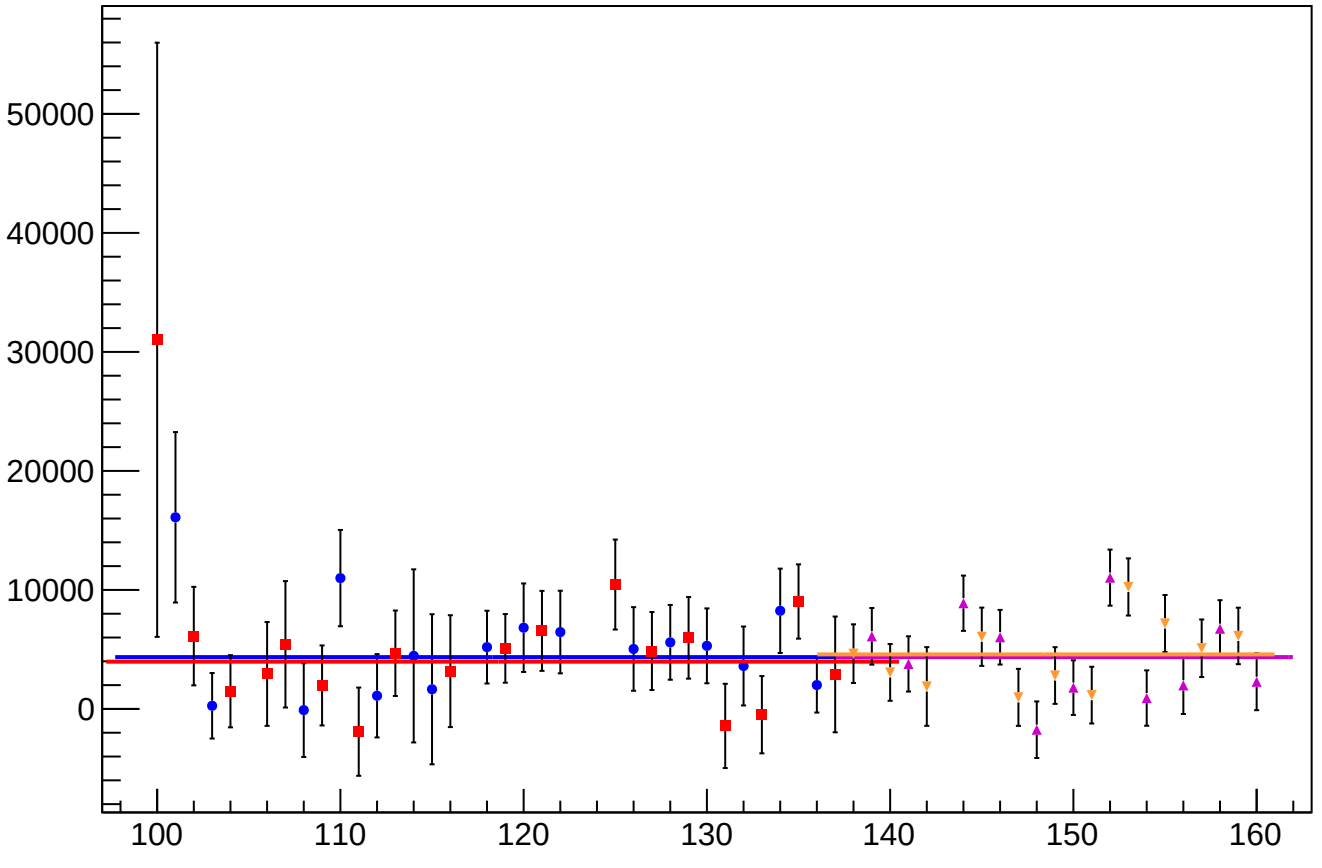
Left: 0.000+/-0.000 χ^2/NDF: 1901914.5/22

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3978235.3/26

Out: 0.000+/-0.000 χ^2/NDF:3995658.6/30

All: 0.000+/-0.000 χ^2/NDF: 8171987.2/57



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: 4355.416+/-708.750 χ^2/NDF:25.7/10

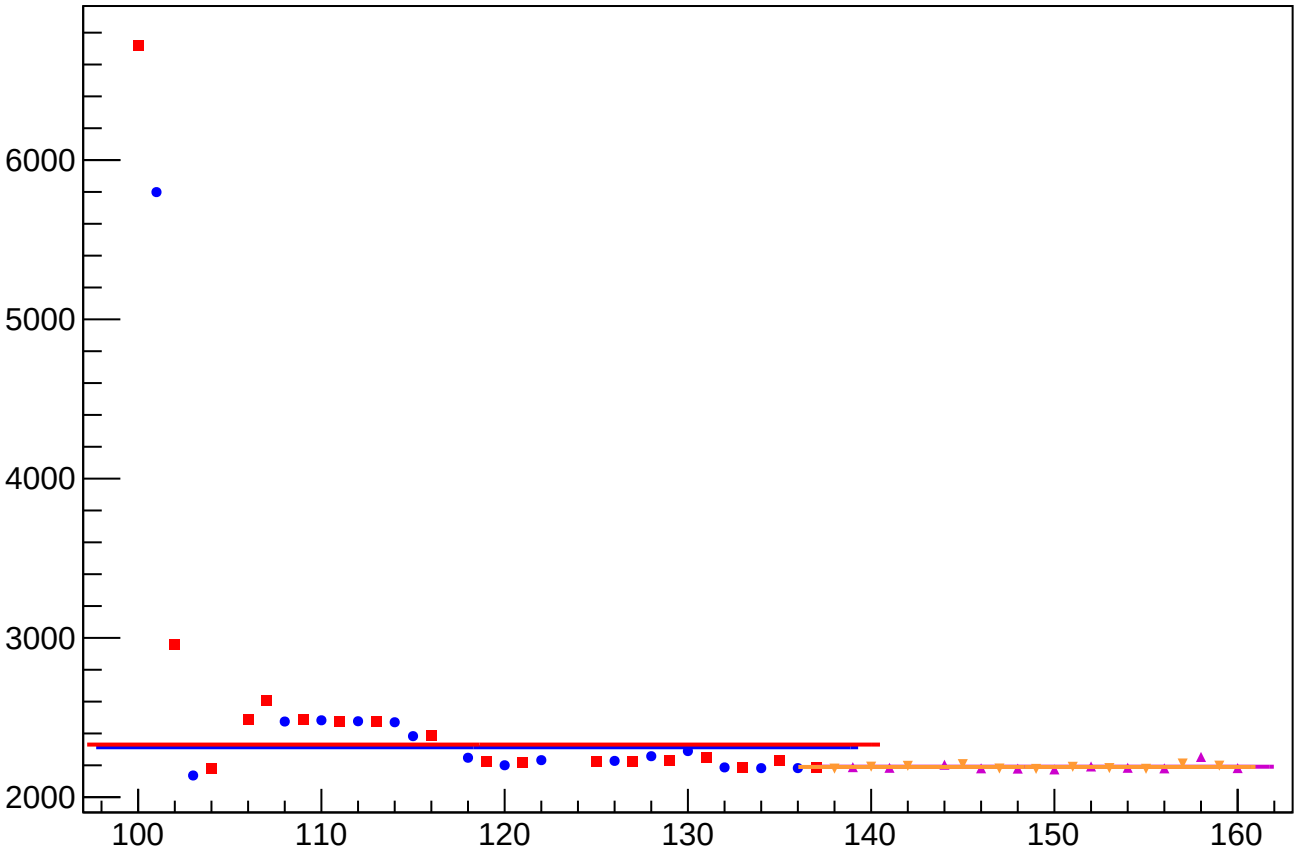
Left: 4463.868+/-512.194 χ^2/NDF: 39.3/21

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4354.994+/-550.783 χ^2/NDF:39.1/26

Out: 4326.079+/-564.486 χ^2/NDF:30.0/28

All: 4340.891+/-394.218 χ^2/NDF: 69.1/55



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: 2191.237+/-0.501 χ^2/NDF:1662.7/10

Left: 2190.538+/-0.362 χ^2/NDF: 2150.1/21

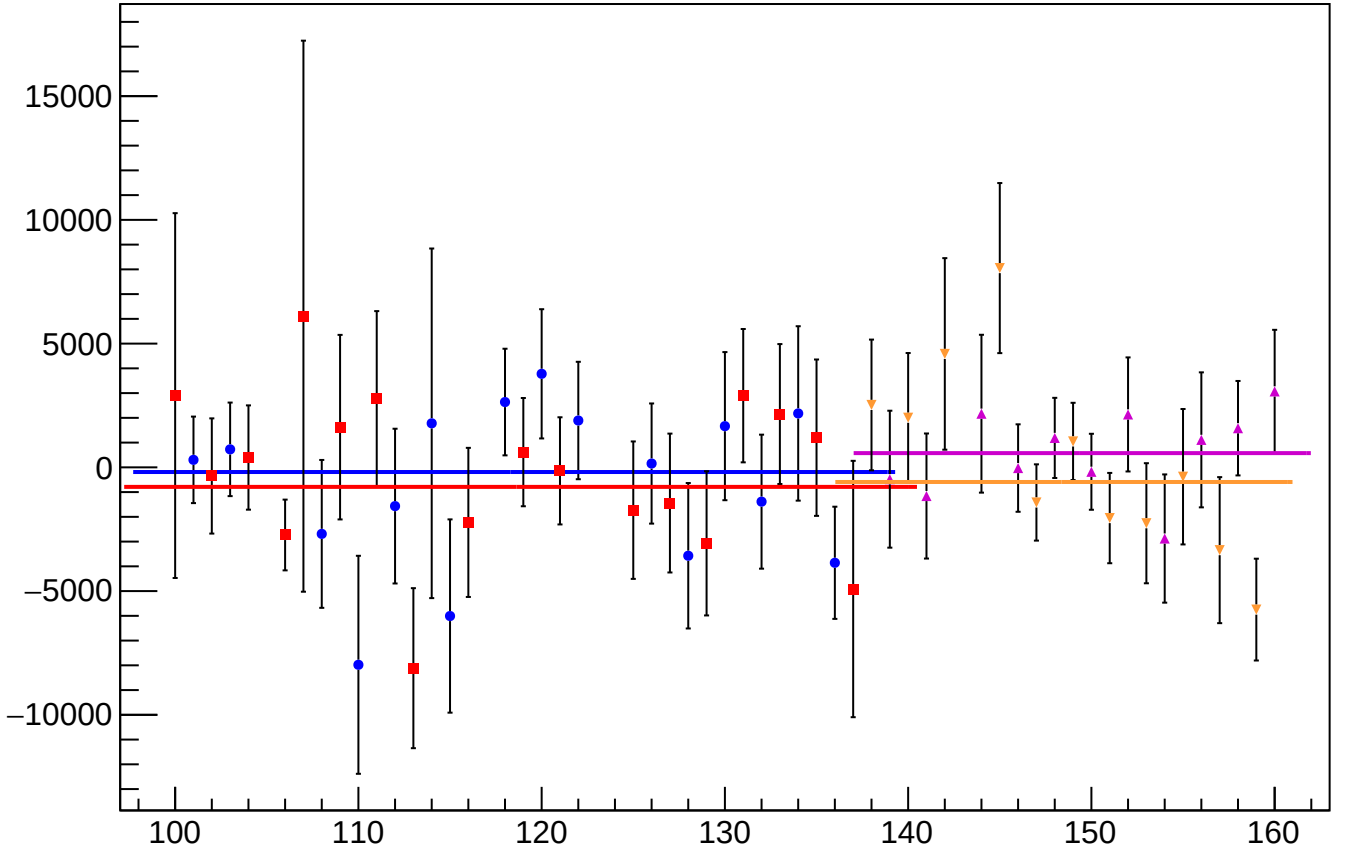
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2239.629+/-0.389 χ^2/NDF:537574.8/26

Out: 2248.715+/-0.399 χ^2/NDF:181839.0/28

All: 2244.061+/-0.279 χ^2/NDF: 719679.3/55

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -591.328+/-669.961 χ^2/NDF:20.2/10

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 575.111+/-642.894 χ^2/NDF:4.9/10

Left: 15.929+/-463.868 χ^2/NDF: 26.7/21

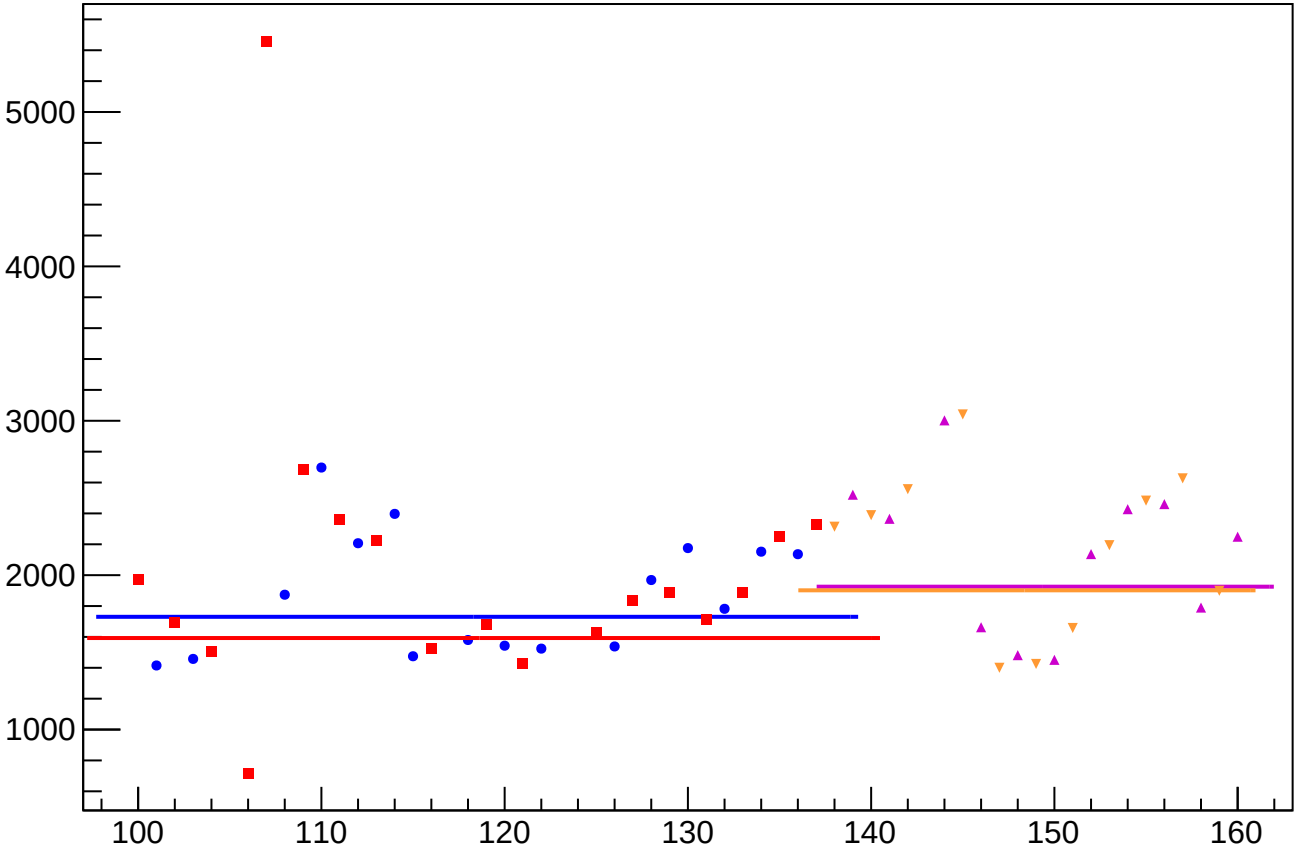
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 202.287+/-459.956 χ^2/NDF:22.0/26

Out: -695.639+/-460.839 χ^2/NDF:35.1/28

All: -245.815+/-325.550 χ^2/NDF: 59.1/55

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: 1925.394+/-0.455 χ^2/NDF:978980.1/10

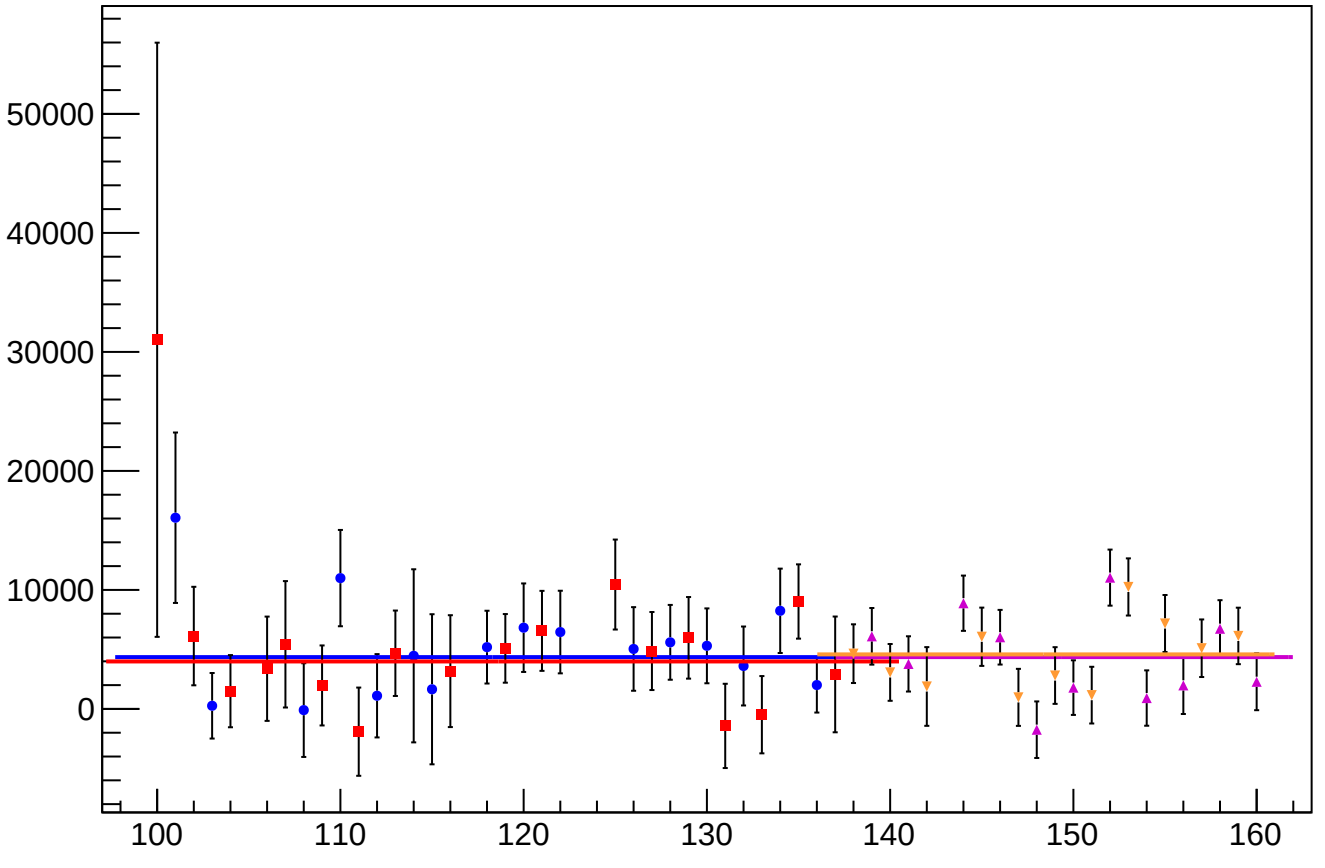
Left: 1914.107+/-0.328 χ^2/NDF: 2049987.8/21

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1830.156+/-0.325 χ^2/NDF:1547828.0/26

Out: 1739.040+/-0.326 χ^2/NDF:2850111.8/28

All: 1784.685+/-0.230 χ^2/NDF: 4437107.1/55



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: 4355.563+/-708.750 χ^2/NDF:25.7/10

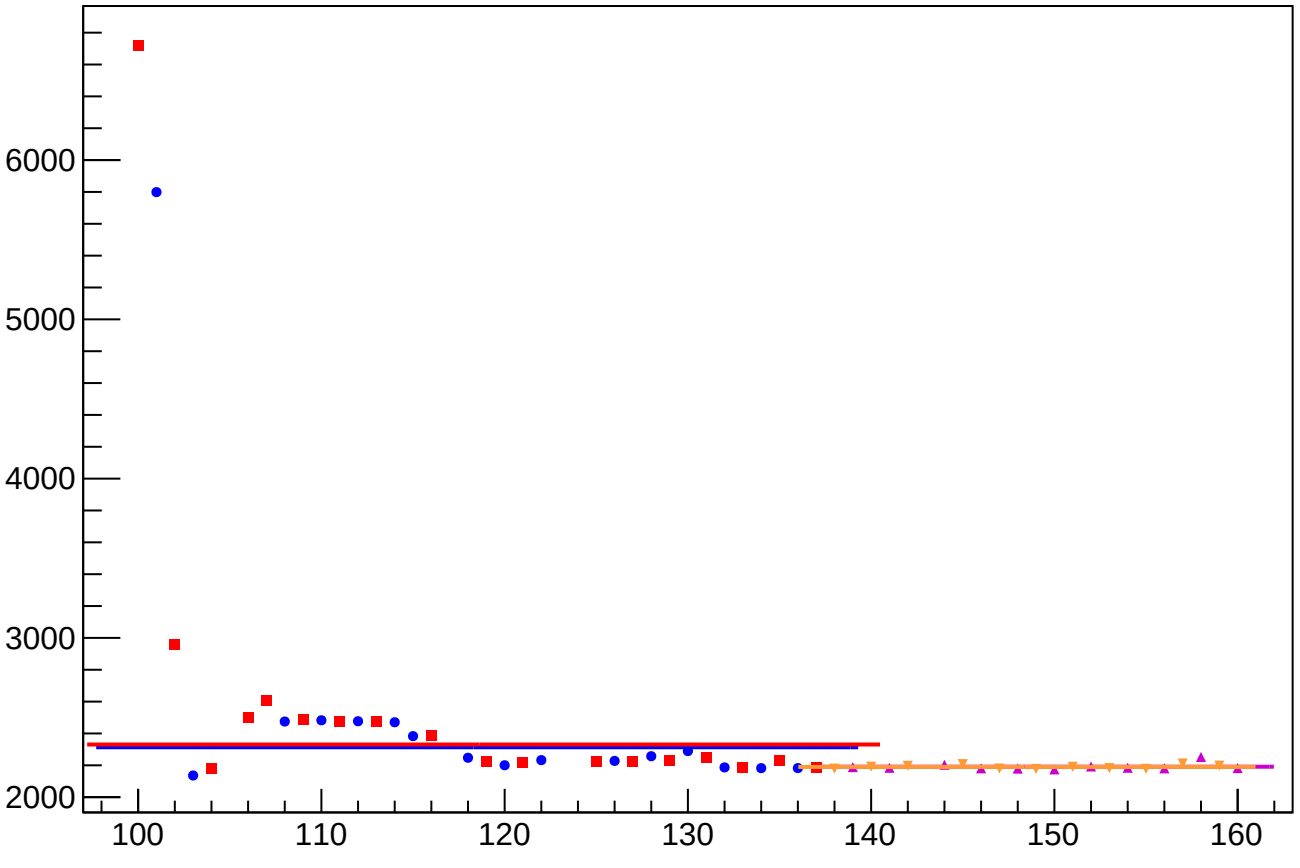
Left: 4463.882+/-512.194 χ^2/NDF: 39.3/21

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4354.813+/-550.783 χ^2/NDF:39.1/26

Out: 4333.694+/-564.527 χ^2/NDF:29.9/28

All: 4344.514+/-394.232 χ^2/NDF: 69.0/55



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: 2191.237+/-0.501 χ^2/NDF:1662.7/10

Left: 2190.538+/-0.362 χ^2/NDF: 2150.1/21

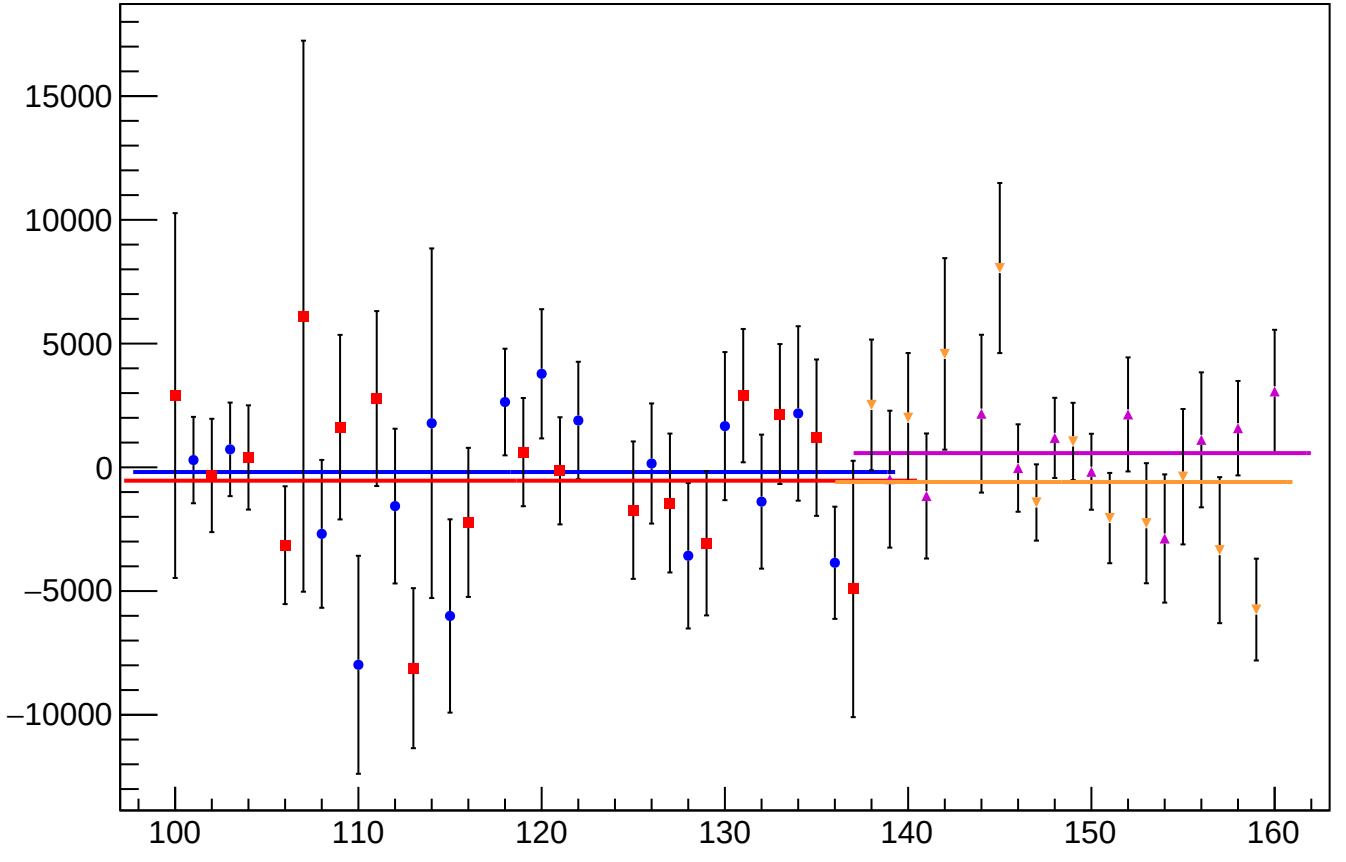
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2239.629+/-0.389 χ^2/NDF:537575.2/26

Out: 2248.858+/-0.399 χ^2/NDF:182337.8/28

All: 2244.130+/-0.279 χ^2/NDF: 720186.9/55

asym_us_avg_at1lr_avg_avg_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: 575.204+/-642.895 χ^2/NDF:4.9/10

Left: 15.847+/-463.869 χ^2/NDF: 26.7/21

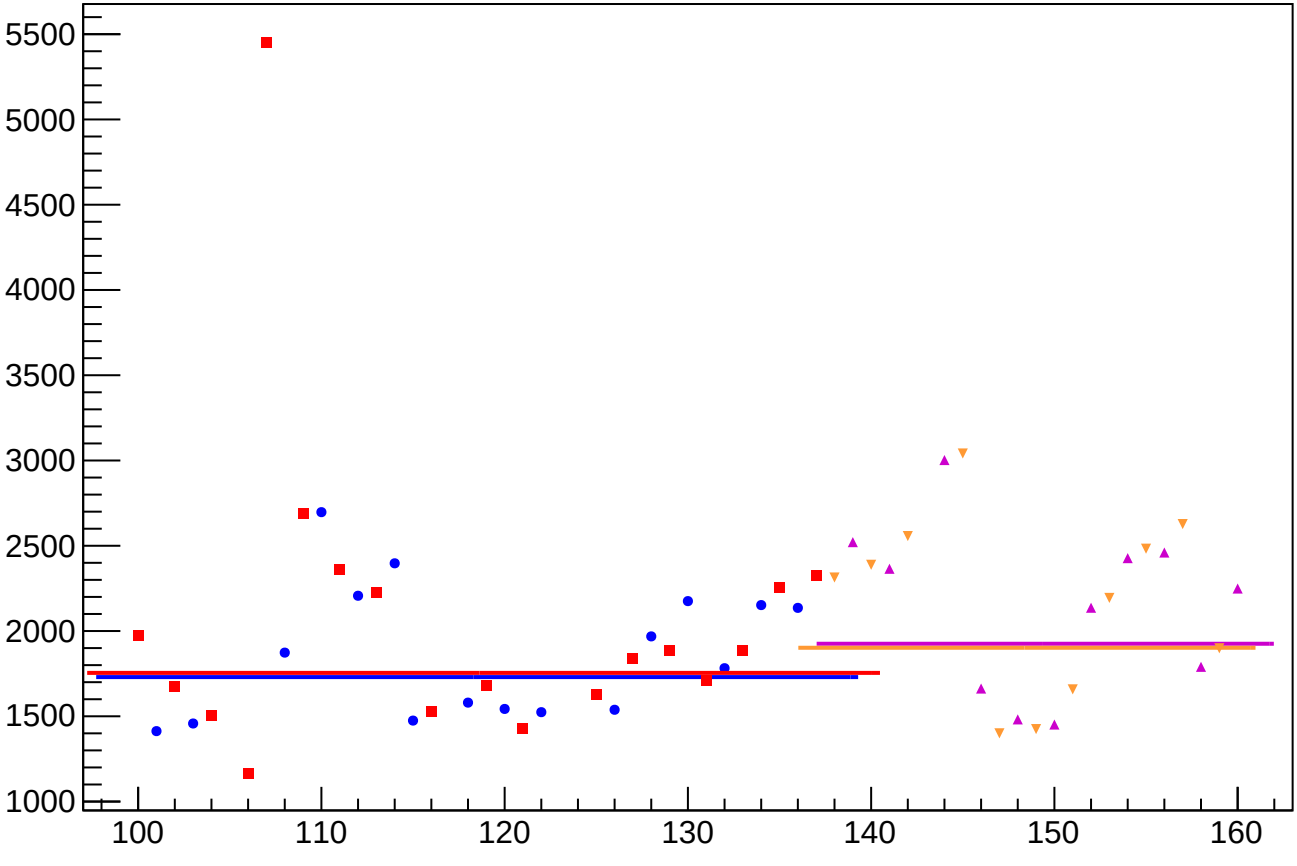
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 201.721+/-459.913 χ^2/NDF:22.0/26

Out: -565.877+/-476.625 χ^2/NDF:34.1/28

All: -168.385+/-330.958 χ^2/NDF: 57.5/55

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: 1925.399+/-0.455 χ^2/NDF:979002.3/10

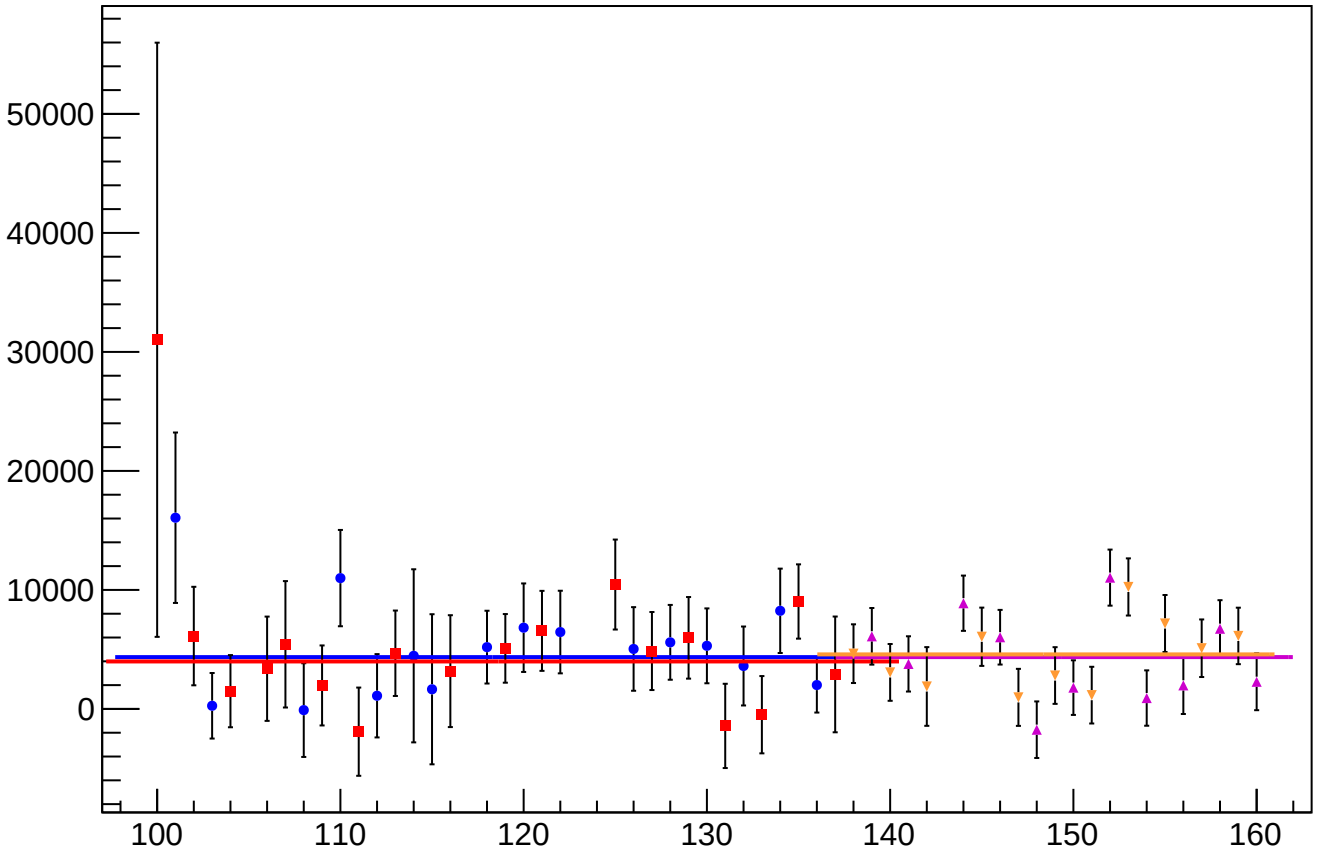
Left: 1914.110+/-0.328 χ^2/NDF: 2050041.4/21

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1829.949+/-0.325 χ^2/NDF:1549197.9/26

Out: 1829.090+/-0.337 χ^2/NDF:1868526.1/28

All: 1829.535+/-0.234 χ^2/NDF: 3417727.4/55



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: 4355.563+/-708.750 χ^2/NDF:25.7/10

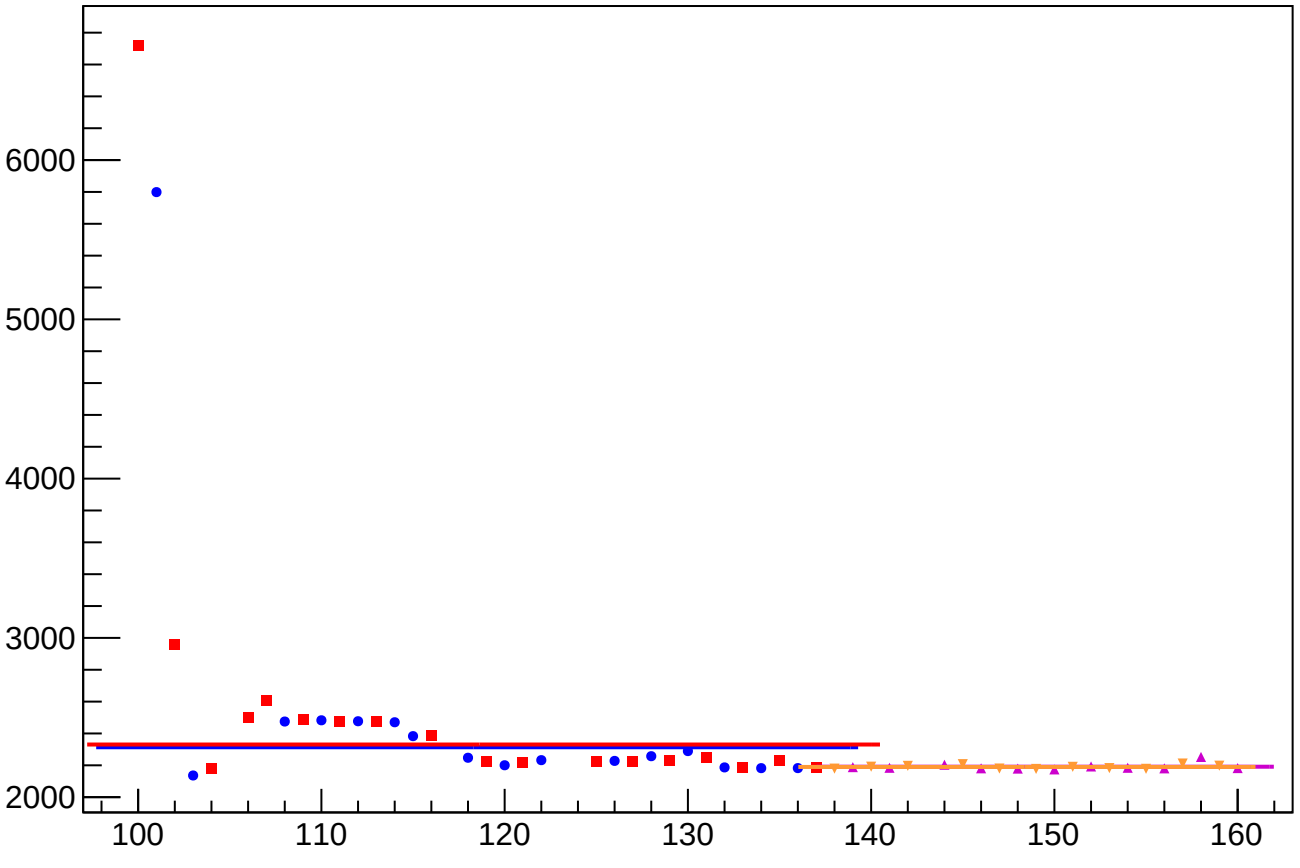
Left: 4463.882+/-512.194 χ^2/NDF: 39.3/21

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4354.813+/-550.783 χ^2/NDF:39.1/26

Out: 4333.694+/-564.527 χ^2/NDF:29.9/28

All: 4344.514+/-394.232 χ^2/NDF: 69.0/55



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: 2191.237+/-0.501 χ^2/NDF:1662.7/10

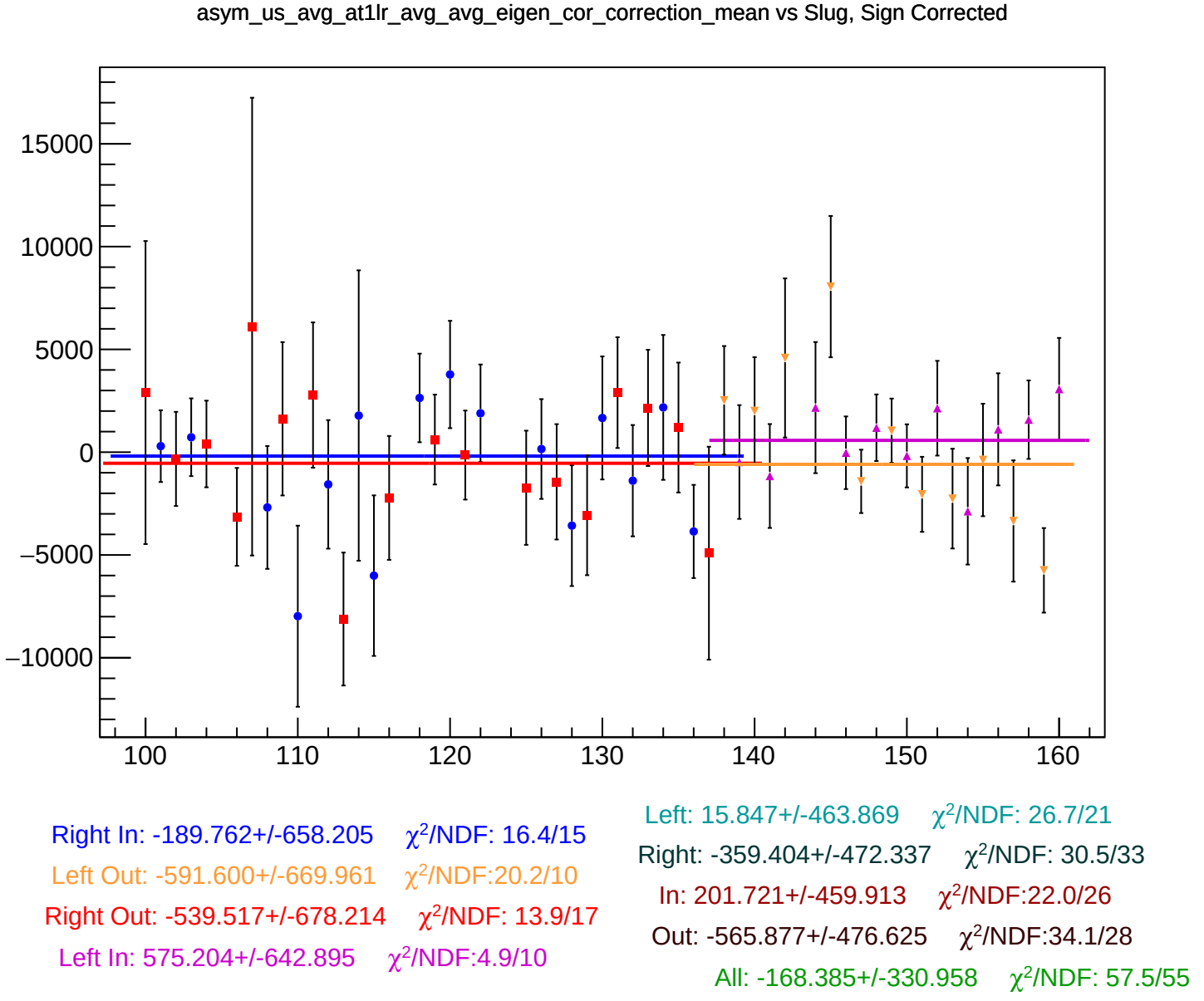
Left: 2190.538+/-0.362 χ^2/NDF: 2150.1/21

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

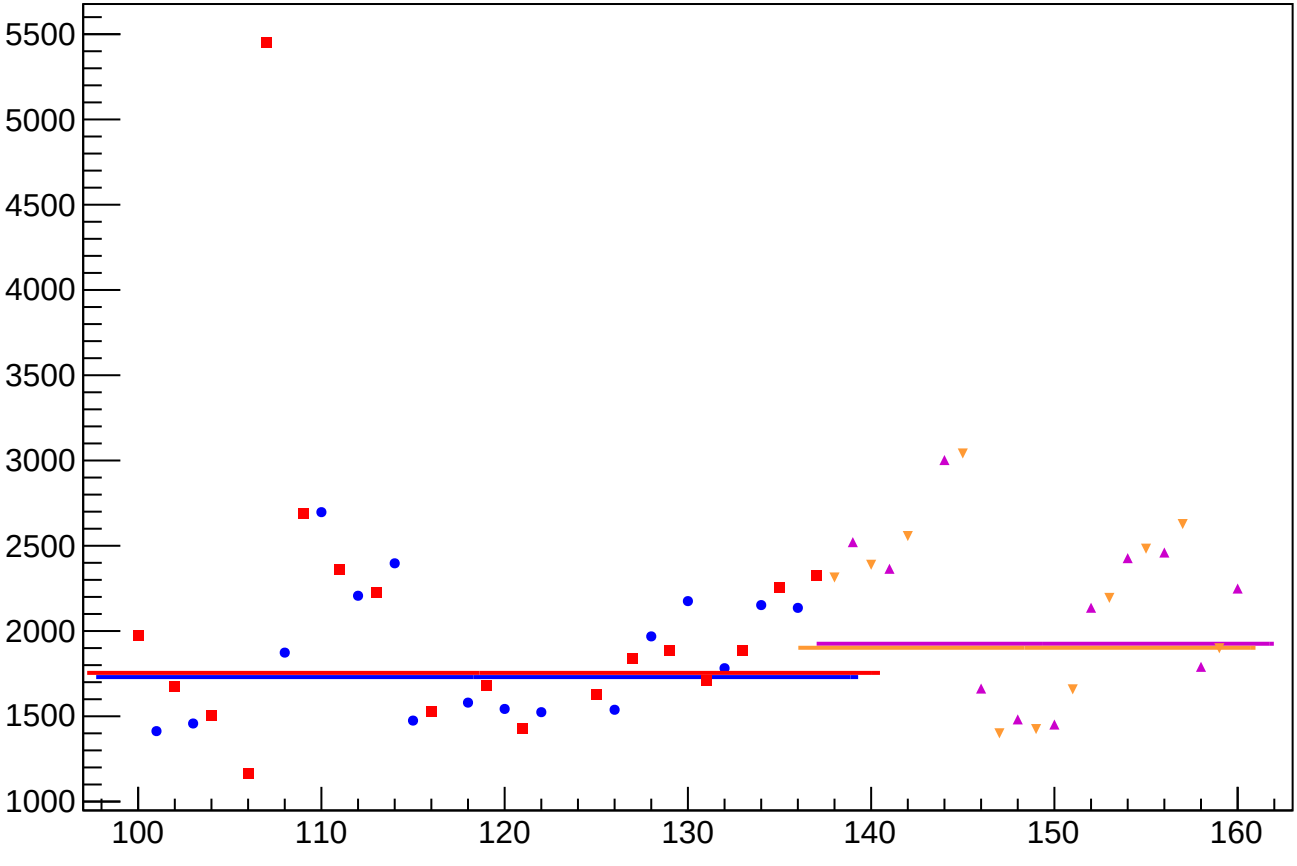
In: 2239.629+/-0.389 χ^2/NDF:537575.2/26

Out: 2248.858+/-0.399 χ^2/NDF:182337.8/28

All: 2244.130+/-0.279 χ^2/NDF: 720186.9/55


asym_us_avg_at1lr_avg_avg_eigen_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: 575.204+/-642.895 χ²/NDF:4.9/10
Left: 15.847+/-463.869 χ²/NDF: 26.7/21
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 201.721+/-459.913 χ²/NDF:22.0/26
Out: -565.877+/-476.625 χ²/NDF:34.1/28
All: -168.385+/-330.958 χ²/NDF: 57.5/55

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: 1925.399+/-0.455 χ^2/NDF:979002.3/10

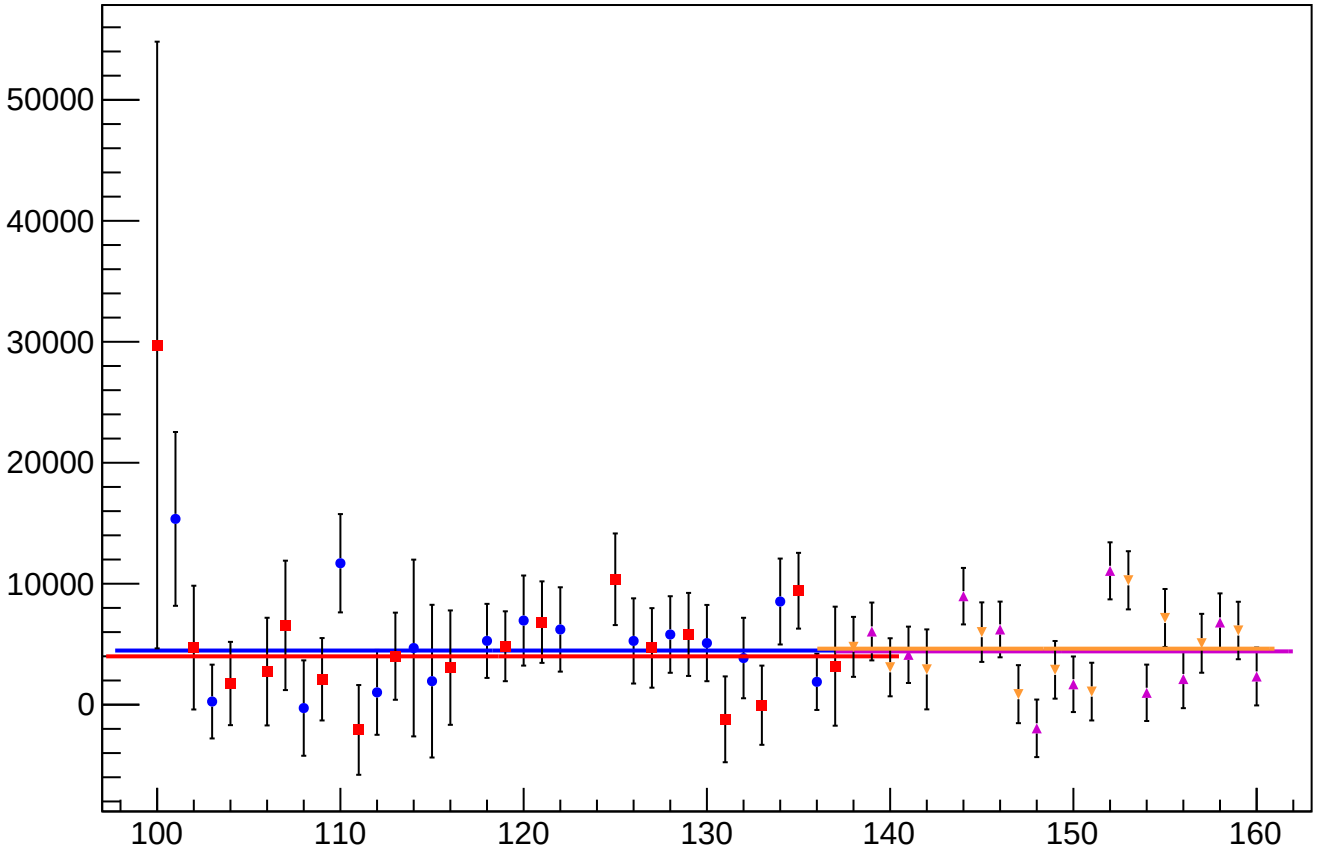
Left: 1914.110+/-0.328 χ^2/NDF: 2050041.4/21

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1829.949+/-0.325 χ^2/NDF:1549197.9/26

Out: 1829.090+/-0.337 χ^2/NDF:1868526.1/28

All: 1829.535+/-0.234 χ^2/NDF: 3417727.4/55



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: 4406.894+/-710.410 χ^2/NDF:26.3/10

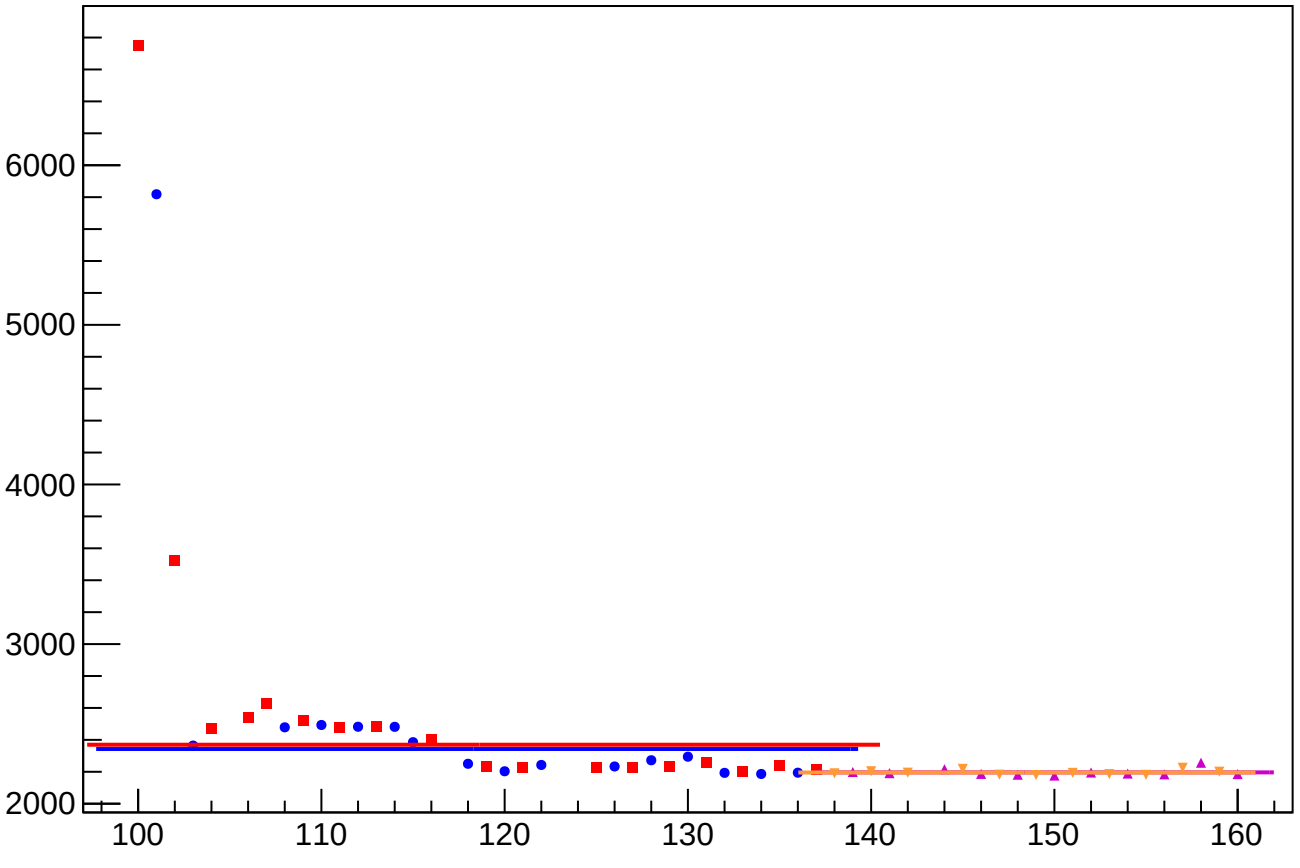
Left: 4514.117+/-513.476 χ^2/NDF: 39.6/21

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4434.102+/-554.267 χ^2/NDF:39.8/26

Out: 4370.509+/-570.491 χ^2/NDF:29.1/28

All: 4403.223+/-397.538 χ^2/NDF: 68.9/55



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: 2196.288+/-0.502 χ^2/NDF:1797.2/10

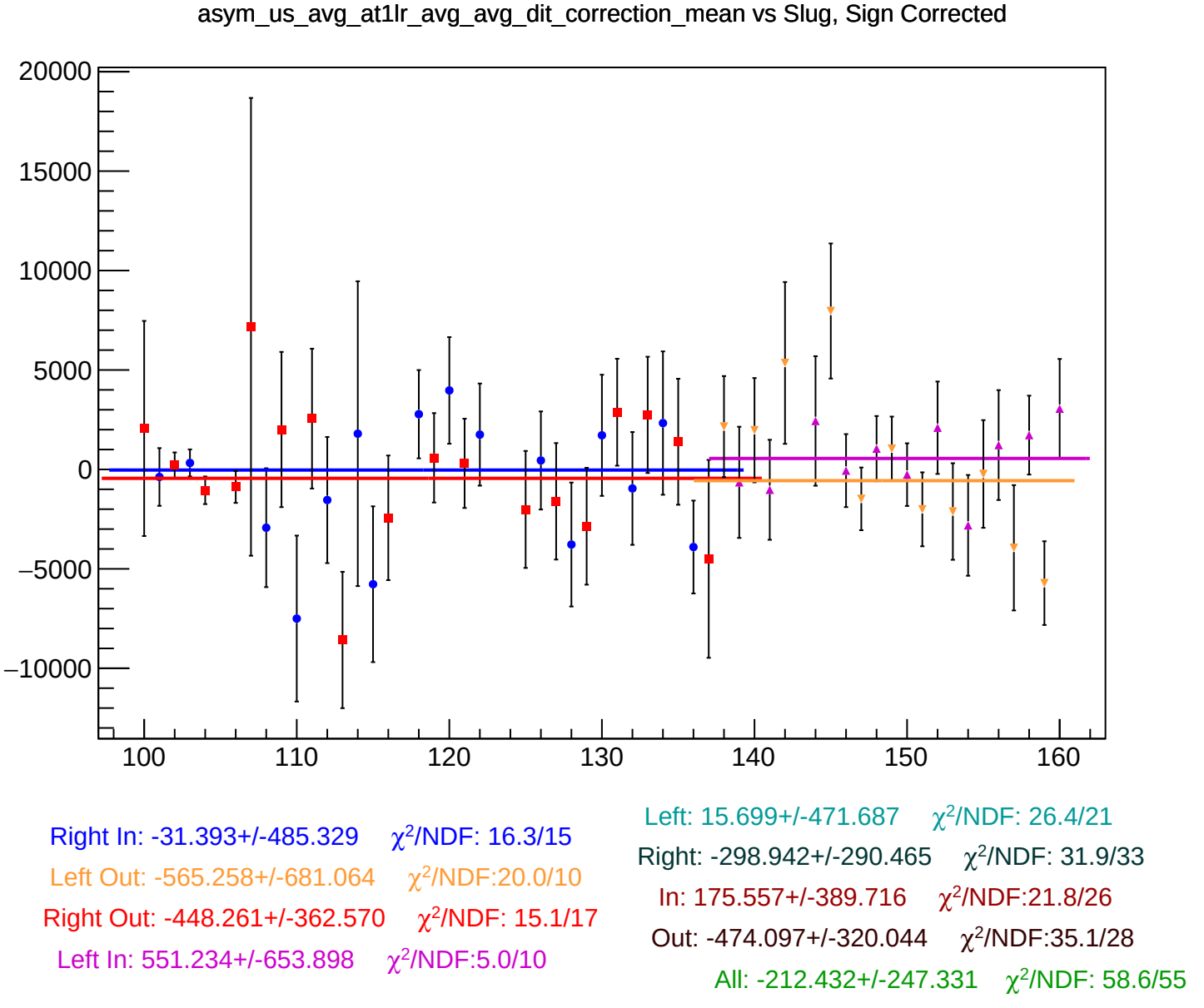
Left: 2195.920+/-0.363 χ^2/NDF: 2569.9/21

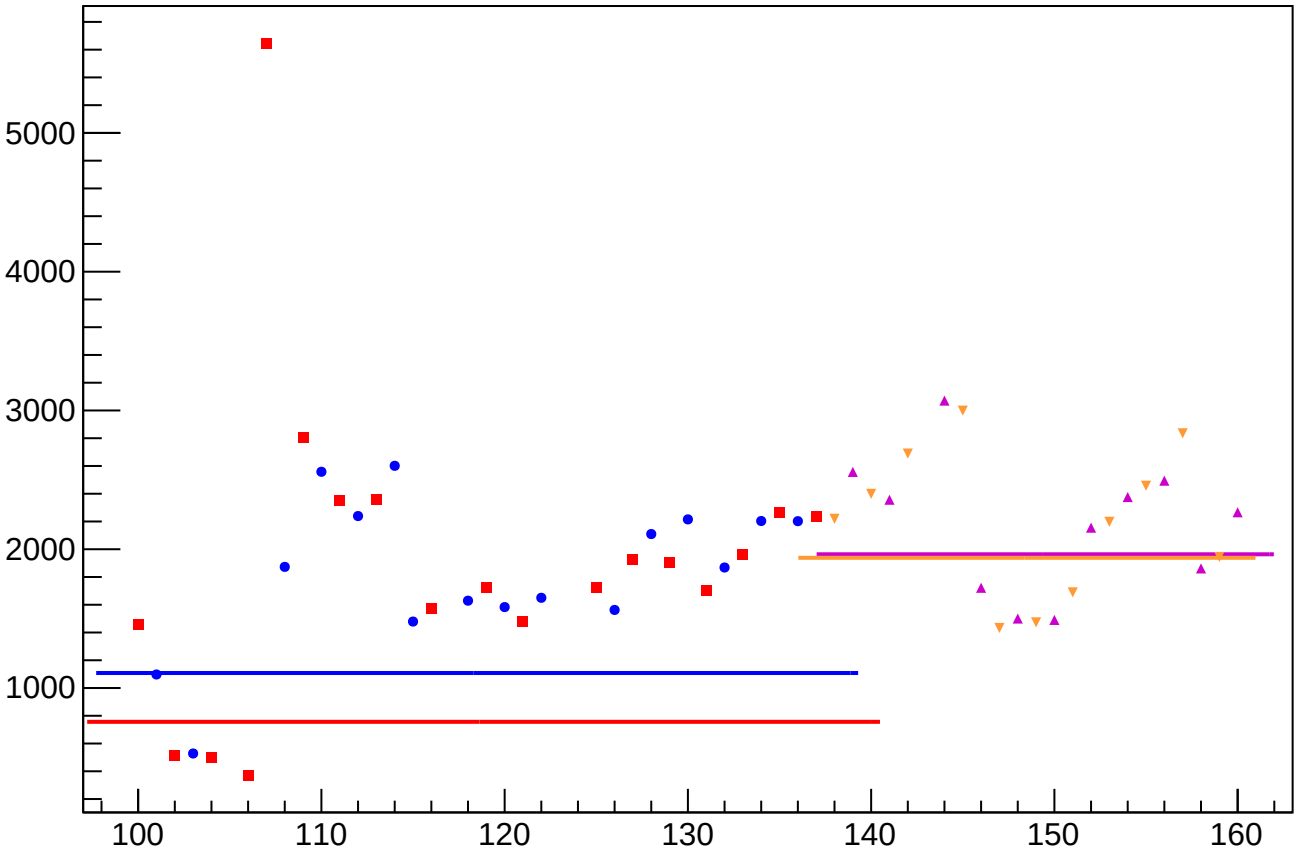
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2253.660+/-0.392 χ^2/NDF:537999.8/26

Out: 2266.963+/-0.403 χ^2/NDF:255969.4/28

All: 2260.119+/-0.281 χ^2/NDF: 794528.6/55


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: -565.258+/-681.064 χ²/NDF:20.0/10
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: 551.234+/-653.898 χ²/NDF:5.0/10
Left: 15.699+/-471.687 χ²/NDF: 26.4/21
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: 175.557+/-389.716 χ²/NDF:21.8/26
Out: -474.097+/-320.044 χ²/NDF:35.1/28
All: -212.432+/-247.331 χ²/NDF: 58.6/55



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: 1963.577+/-0.462 χ^2/NDF:919788.0/10

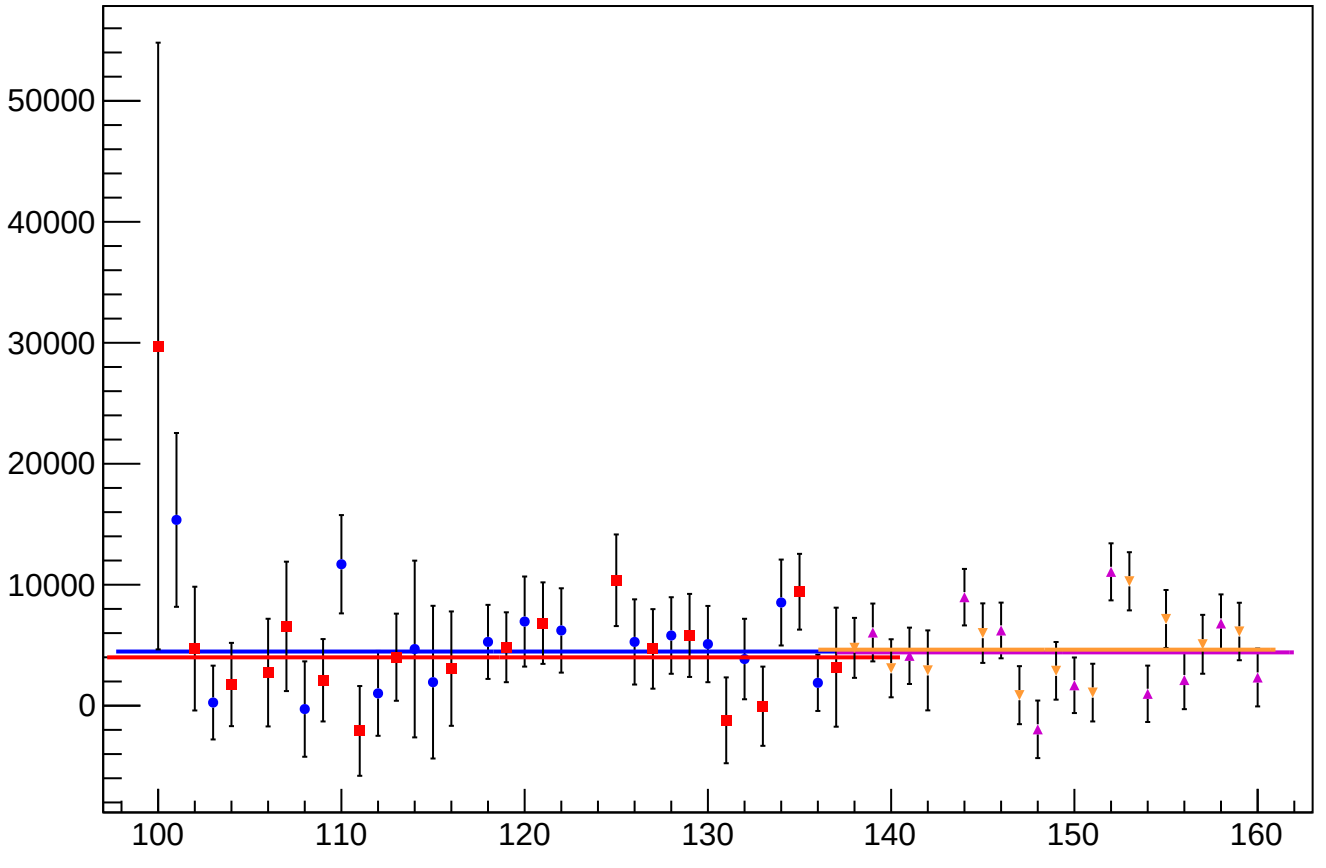
Left: 1951.464+/-0.334 χ^2/NDF: 1936986.6/21

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1411.993+/-0.276 χ^2/NDF:6873306.8/26

Out: 1017.411+/-0.226 χ^2/NDF:11312034.7/28

All: 1176.338+/-0.175 χ^2/NDF: 19409806.9/5



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: 4406.896+/-710.410 χ^2/NDF:26.3/10

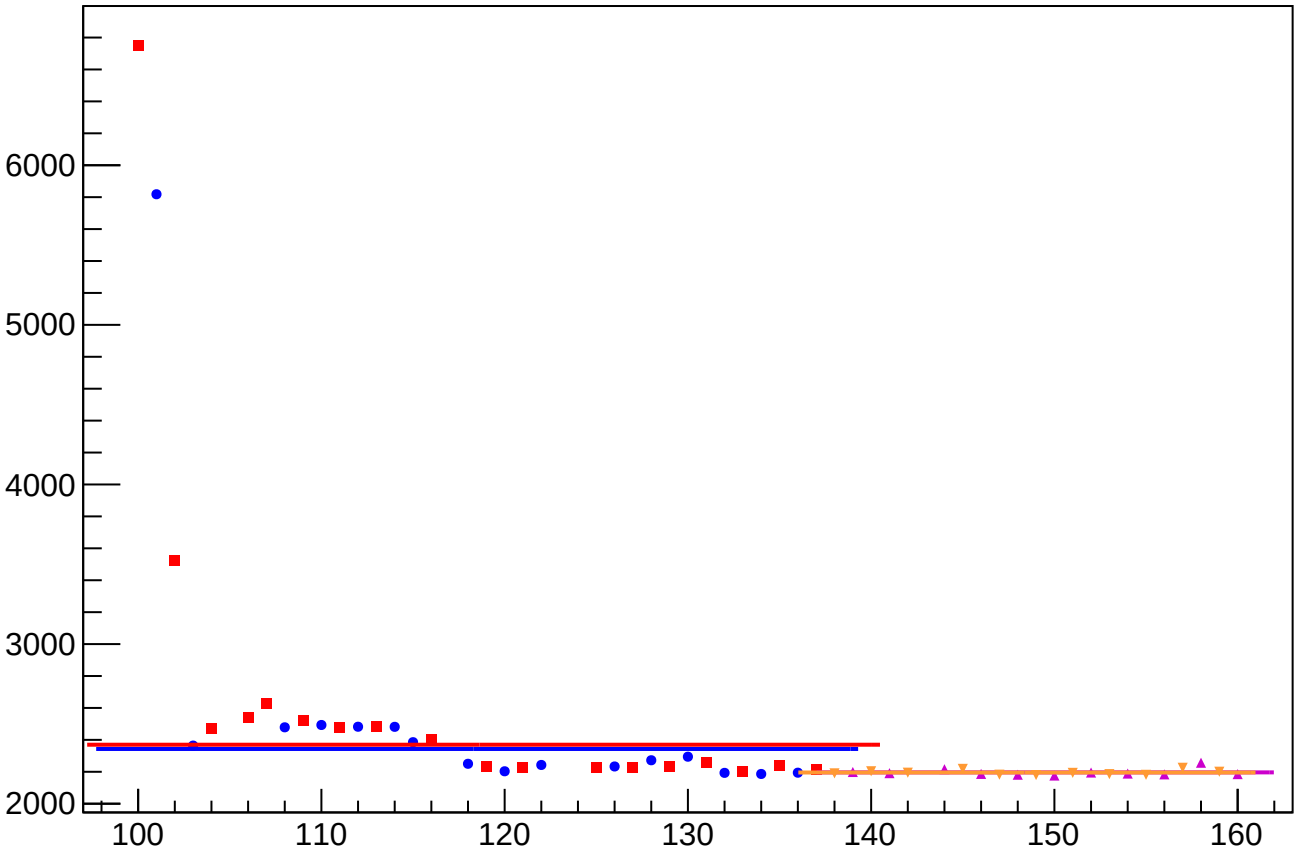
Left: 4514.117+/-513.476 χ^2/NDF: 39.6/21

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4434.102+/-554.267 χ^2/NDF:39.8/26

Out: 4370.507+/-570.491 χ^2/NDF:29.1/28

All: 4403.222+/-397.538 χ^2/NDF: 68.9/55



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: 2196.288+/-0.502 χ^2/NDF:1797.2/10

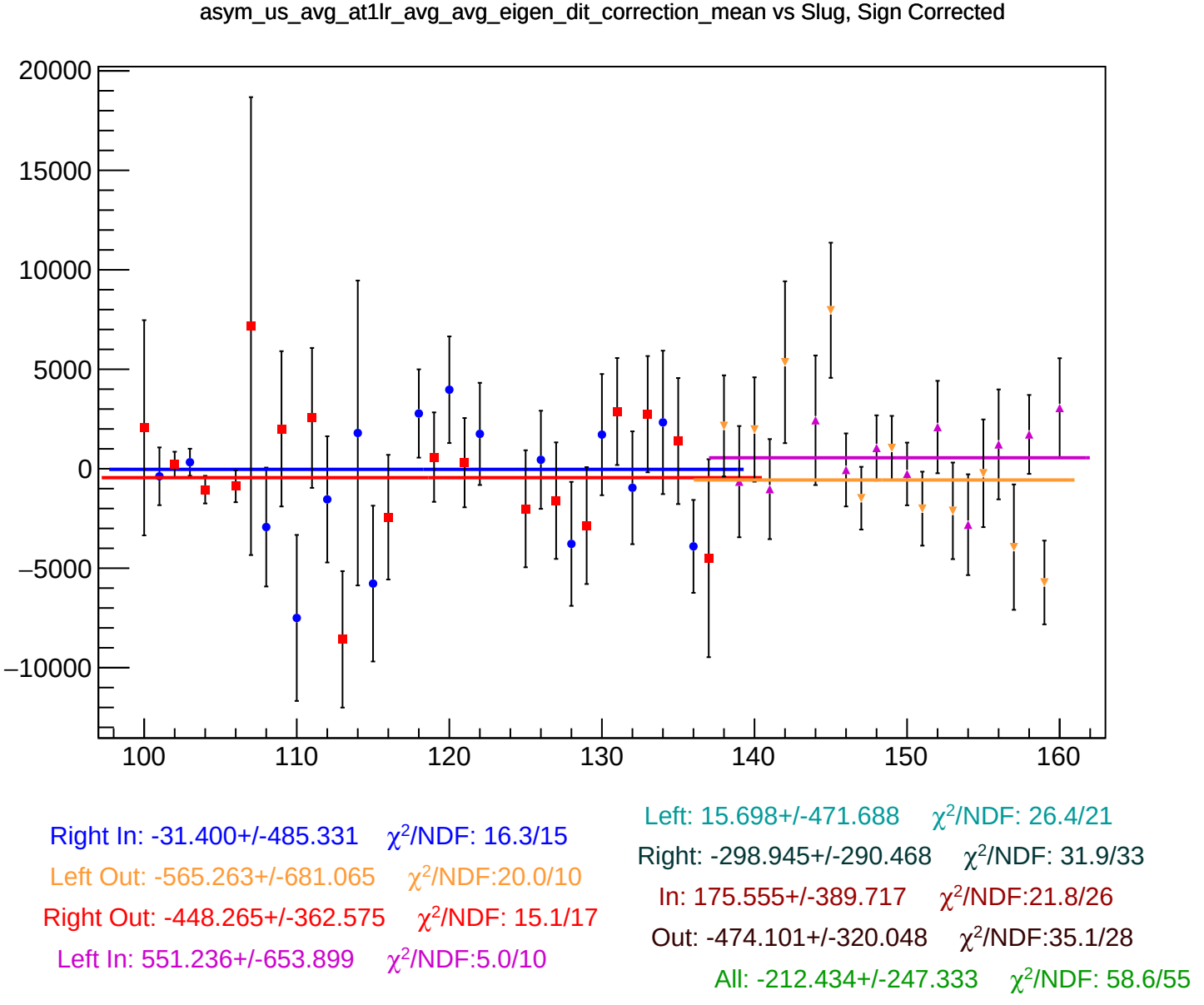
Left: 2195.920+/-0.363 χ^2/NDF: 2569.9/21

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2253.659+/-0.392 χ^2/NDF:537999.6/26

Out: 2266.963+/-0.403 χ^2/NDF:255968.0/28

All: 2260.119+/-0.281 χ^2/NDF: 794527.0/55


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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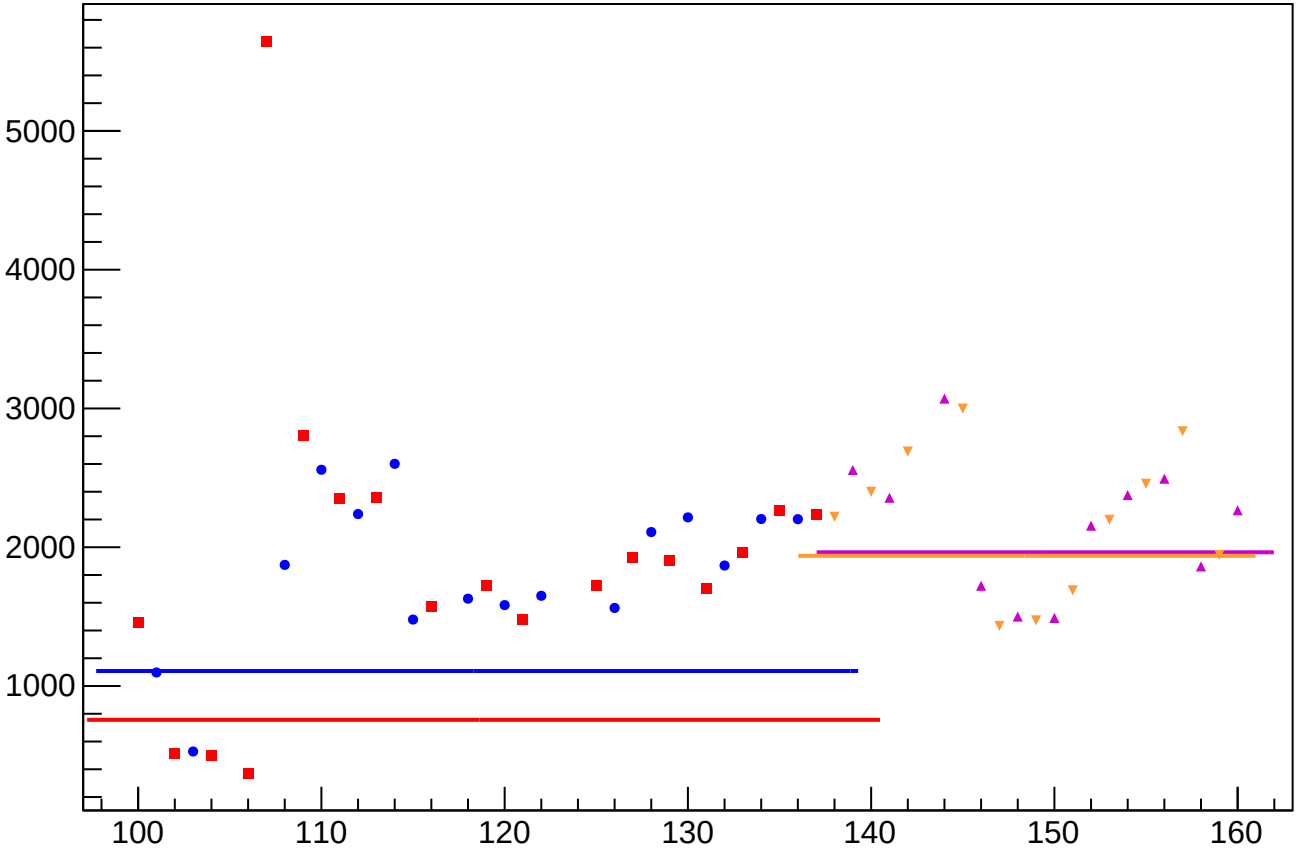
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -565.263+/-681.065 χ²/NDF:20.0/10
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 551.236+/-653.899 χ²/NDF:5.0/10
Left: 15.698+/-471.688 χ²/NDF: 26.4/21
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 175.555+/-389.717 χ²/NDF:21.8/26
Out: -474.101+/-320.048 χ²/NDF:35.1/28
All: -212.434+/-247.333 χ²/NDF: 58.6/55

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: 1963.581+/-0.462 χ^2/NDF:919787.2/10

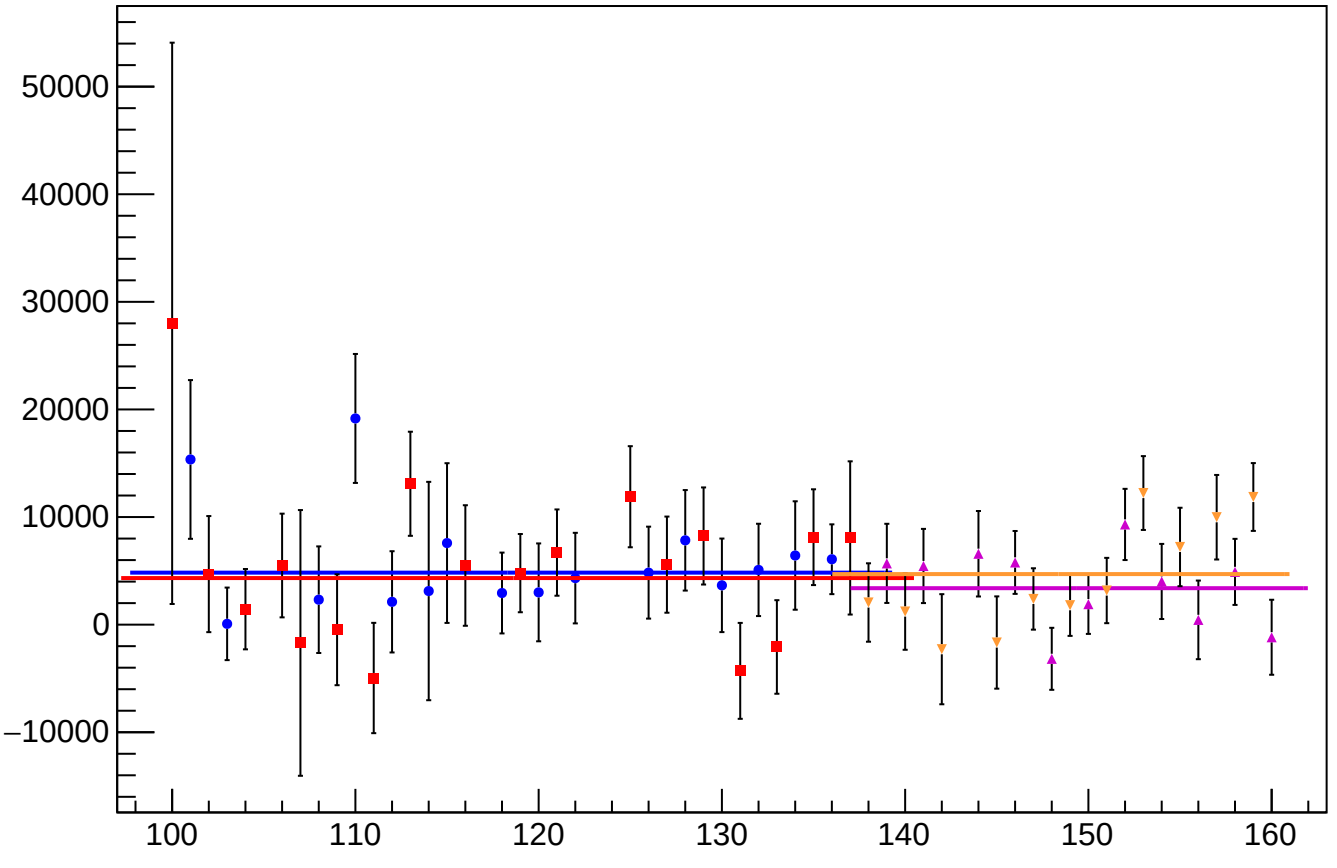
Left: 1951.468+/-0.334 χ^2/NDF: 1936985.6/21

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1412.002+/-0.276 χ^2/NDF:6873185.3/26

Out: 1017.428+/-0.226 χ^2/NDF:11311783.5/28

All: 1176.354+/-0.175 χ^2/NDF: 19409367.3/5



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4699.230+/-1038.411 χ^2/NDF:19.8/10

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3388.526+/-986.979 χ^2/NDF:13.4/10

Left: 4010.616+/-715.391 χ^2/NDF: 34.0/21

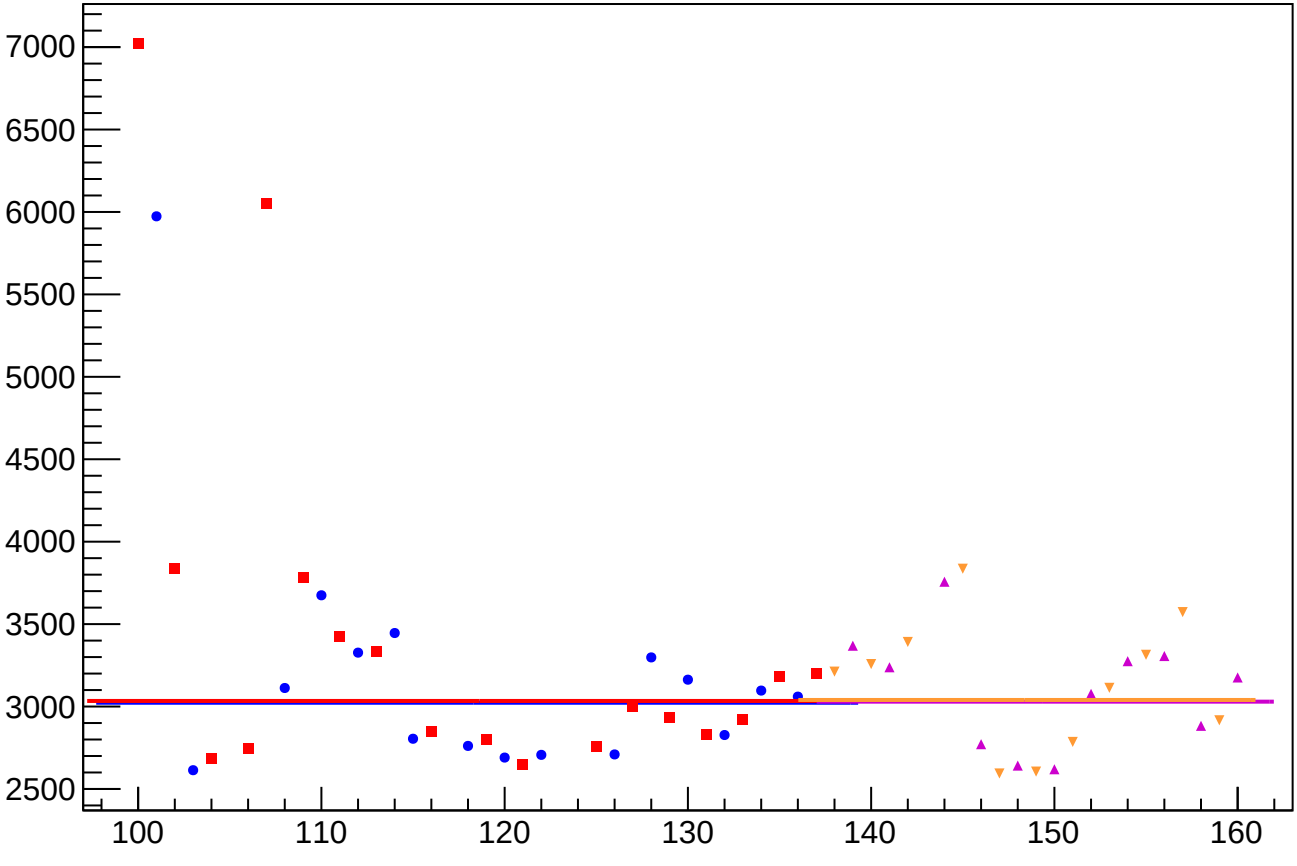
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4006.153+/-746.889 χ^2/NDF:26.0/26

Out: 4531.892+/-769.058 χ^2/NDF:39.7/28

All: 4261.336+/-535.796 χ^2/NDF: 65.9/55

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: 3029.593+/-0.698 χ^2/NDF:217094.1/10

Left: 3034.458+/-0.506 χ^2/NDF: 469057.2/21

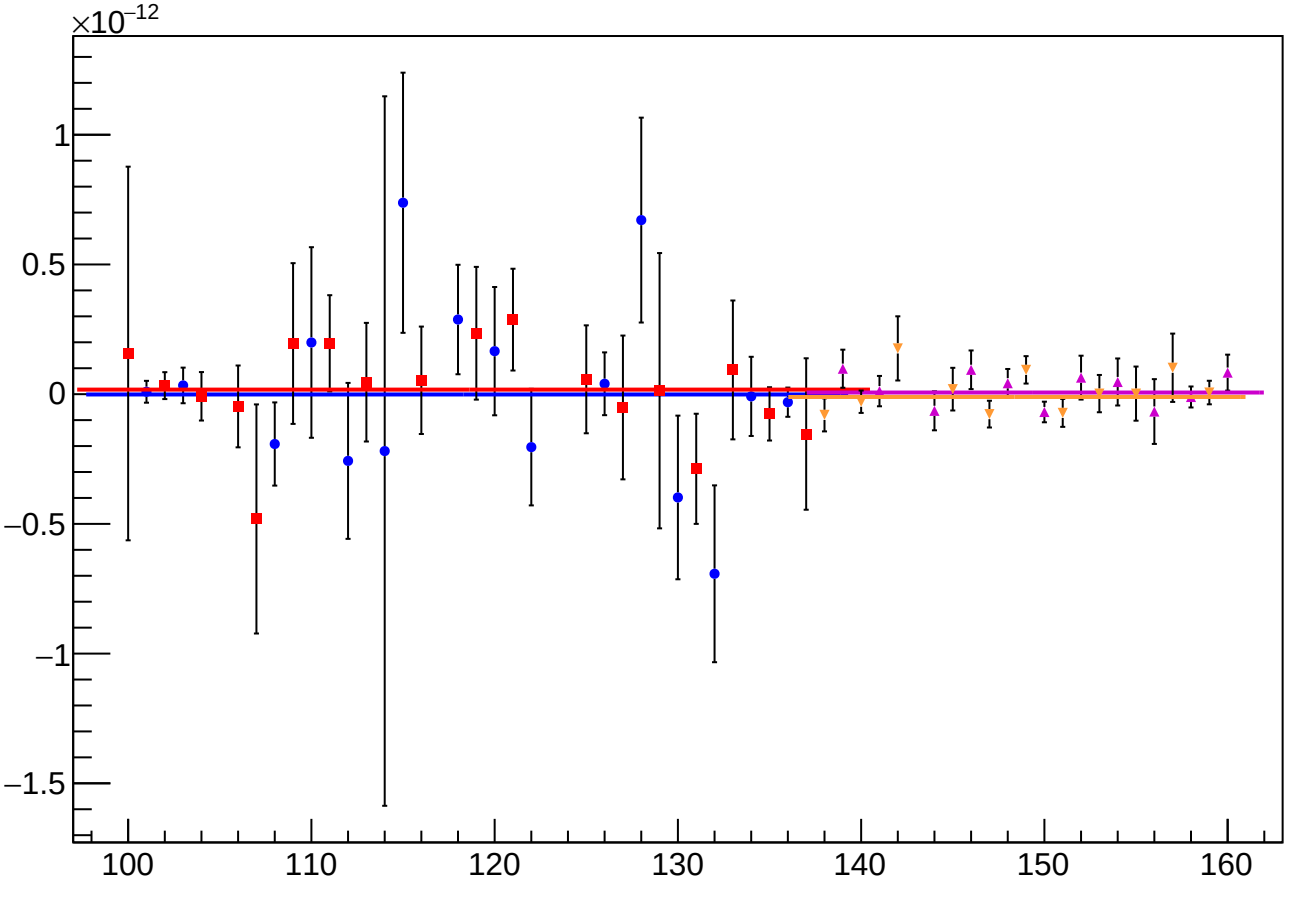
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3026.805+/-0.528 χ^2/NDF:660837.2/26

Out: 3037.146+/-0.544 χ^2/NDF:594565.3/28

All: 3031.824+/-0.379 χ^2/NDF: 1255588.6/55

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

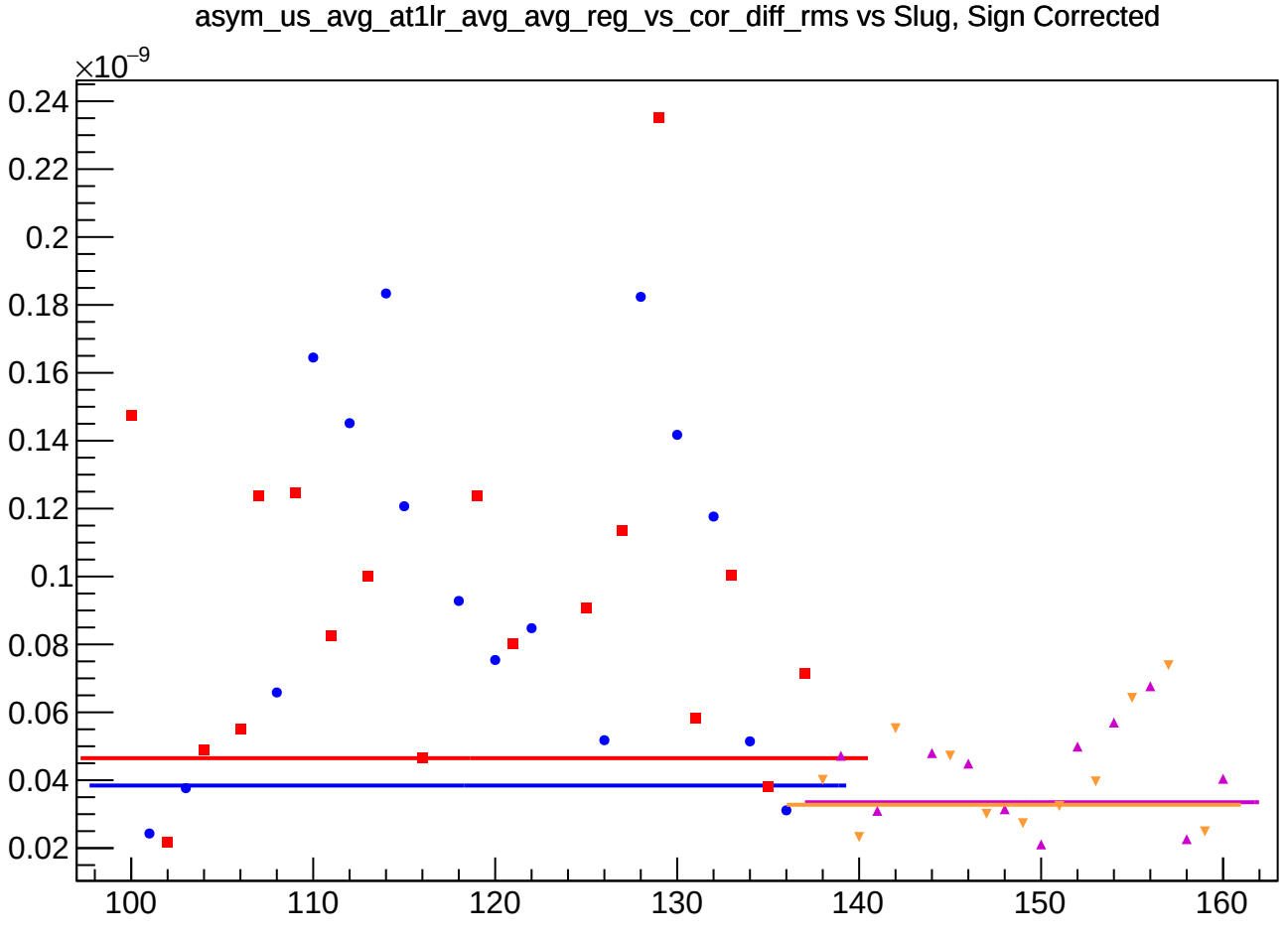
Left: -0.000+/-0.000 χ^2/NDF: 22.2/21

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

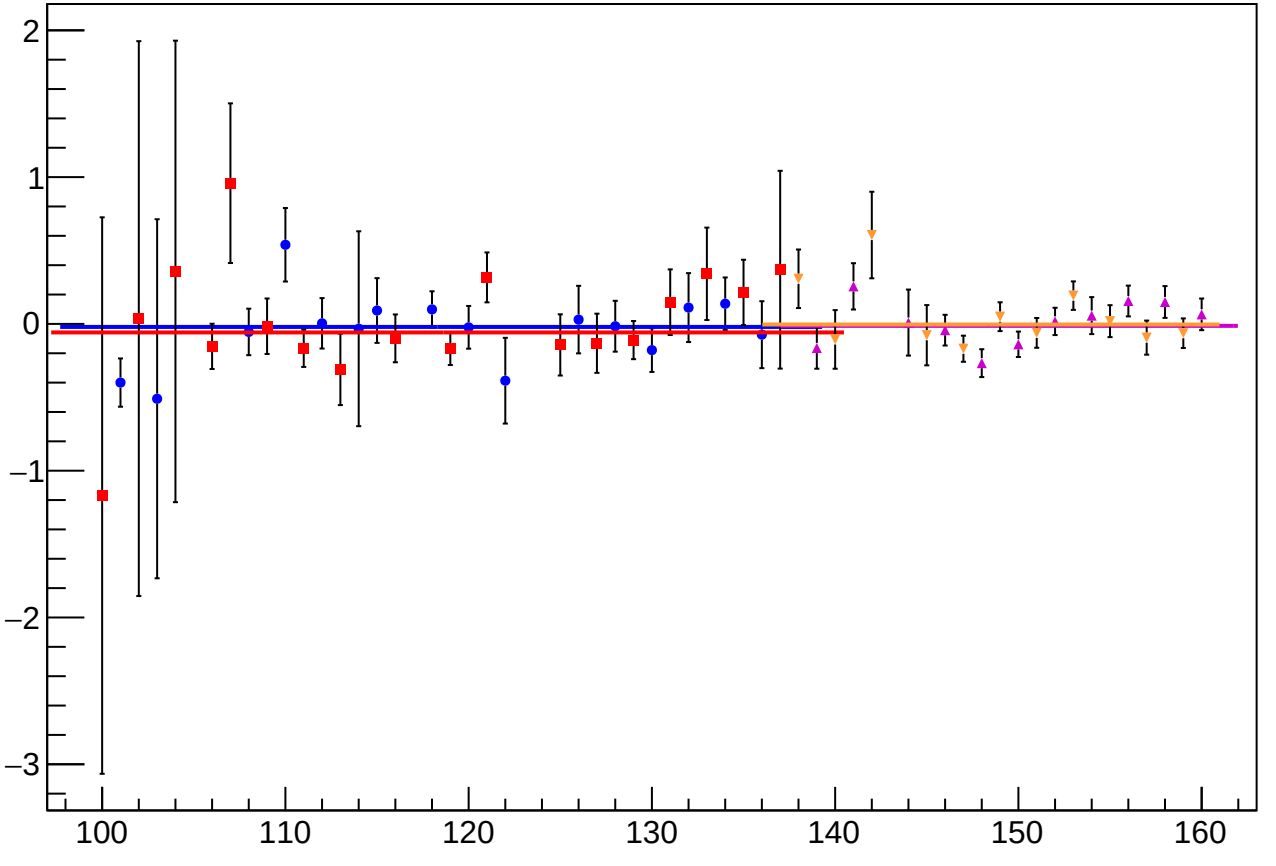
In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:21.1/28

All: 0.000+/-0.000 χ^2/NDF: 48.6/55


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:916289.8/10
Left: 0.000+/-0.000 χ²/NDF: 1651168.4/21
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:2732606.7/26
Out: 0.000+/-0.000 χ²/NDF:2675582.3/28
All: 0.000+/-0.000 χ²/NDF: 5410680.8/55

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.009+/-0.025 χ^2/NDF: 35.5/21

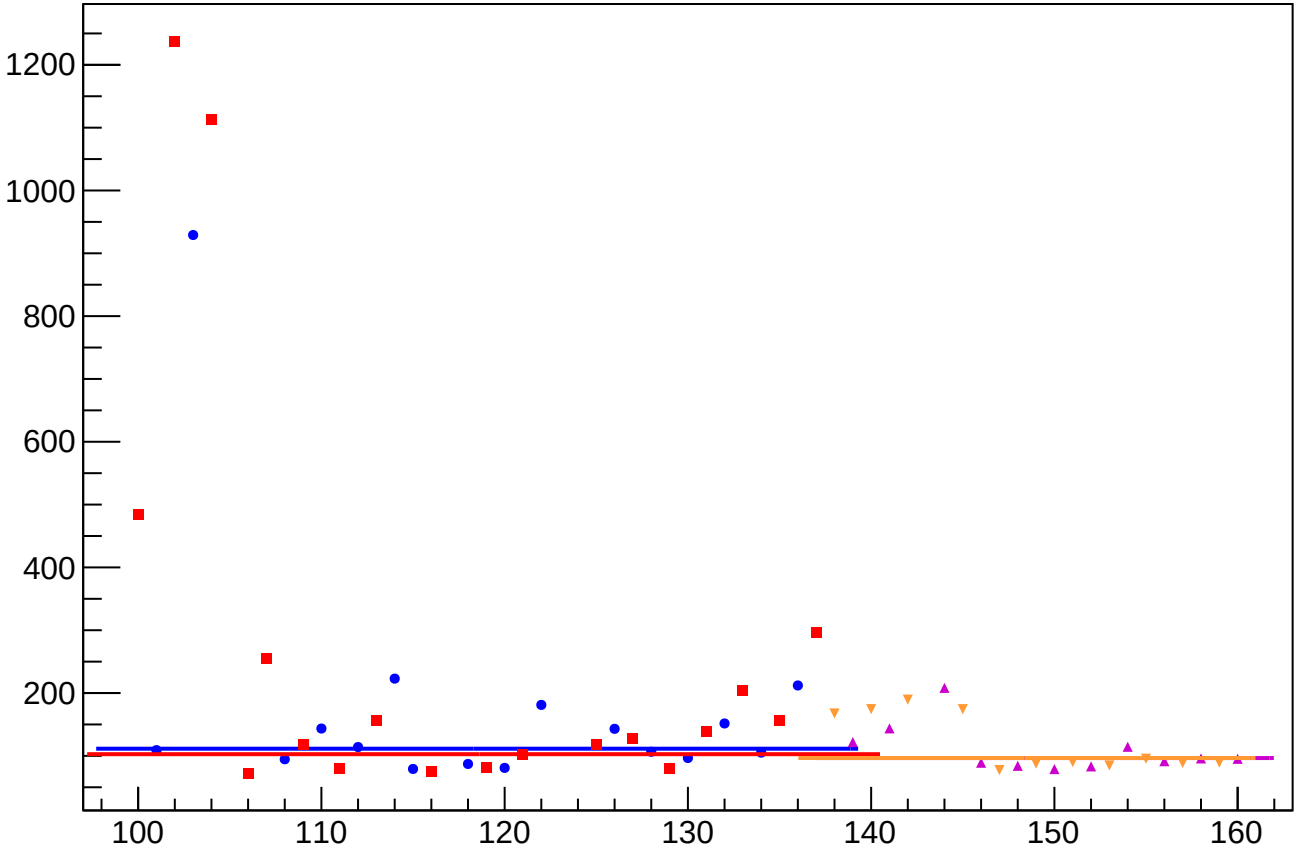
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.020+/-0.020 χ^2/NDF: 68.8/55

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: 96.523+/-0.024 χ^2/NDF:950263.0/10

Left: 96.566+/-0.017 χ^2/NDF: 2158954.5/21

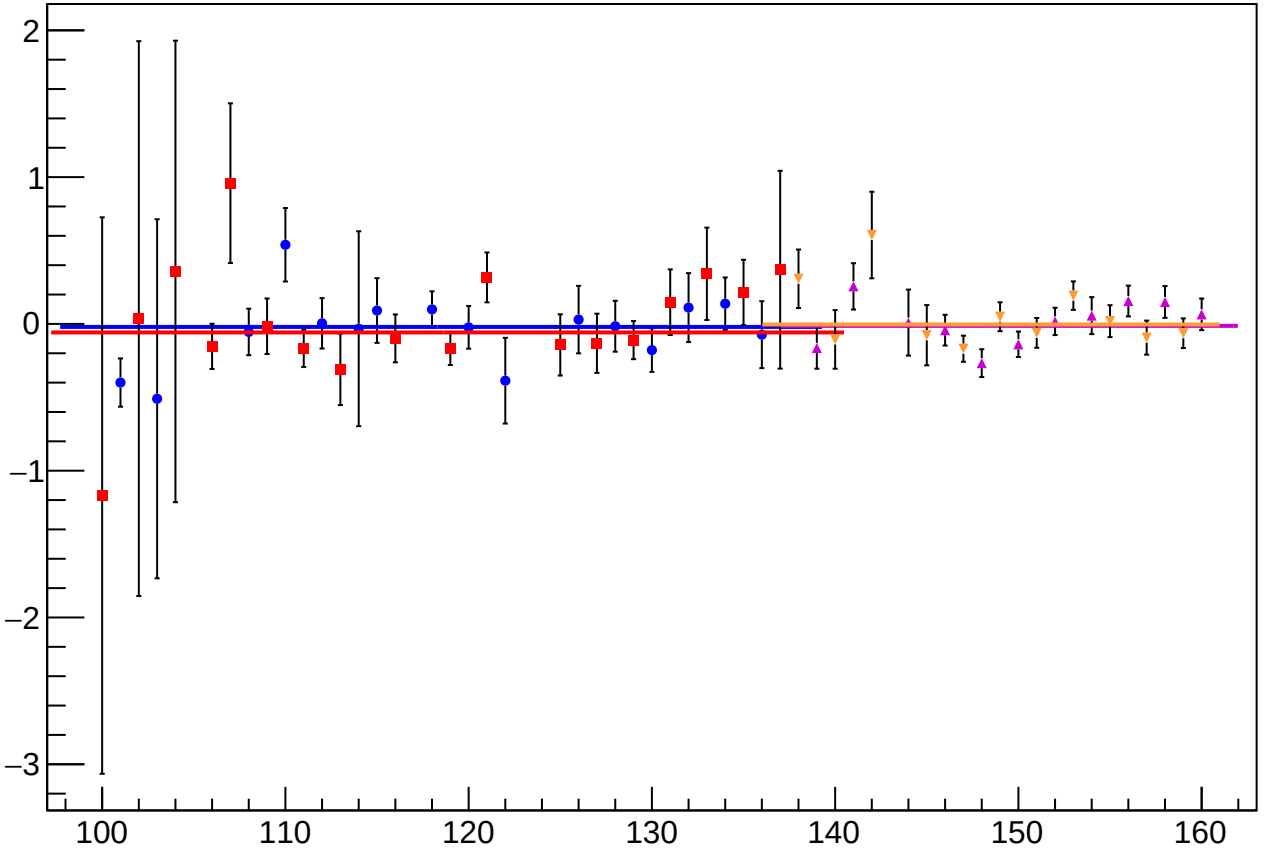
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.466+/-0.019 χ^2/NDF:2920068.1/26

Out: 98.883+/-0.020 χ^2/NDF:4056869.0/28

All: 100.218+/-0.014 χ^2/NDF: 6985494.7/55

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: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.009+/-0.025 χ^2/NDF: 35.5/21

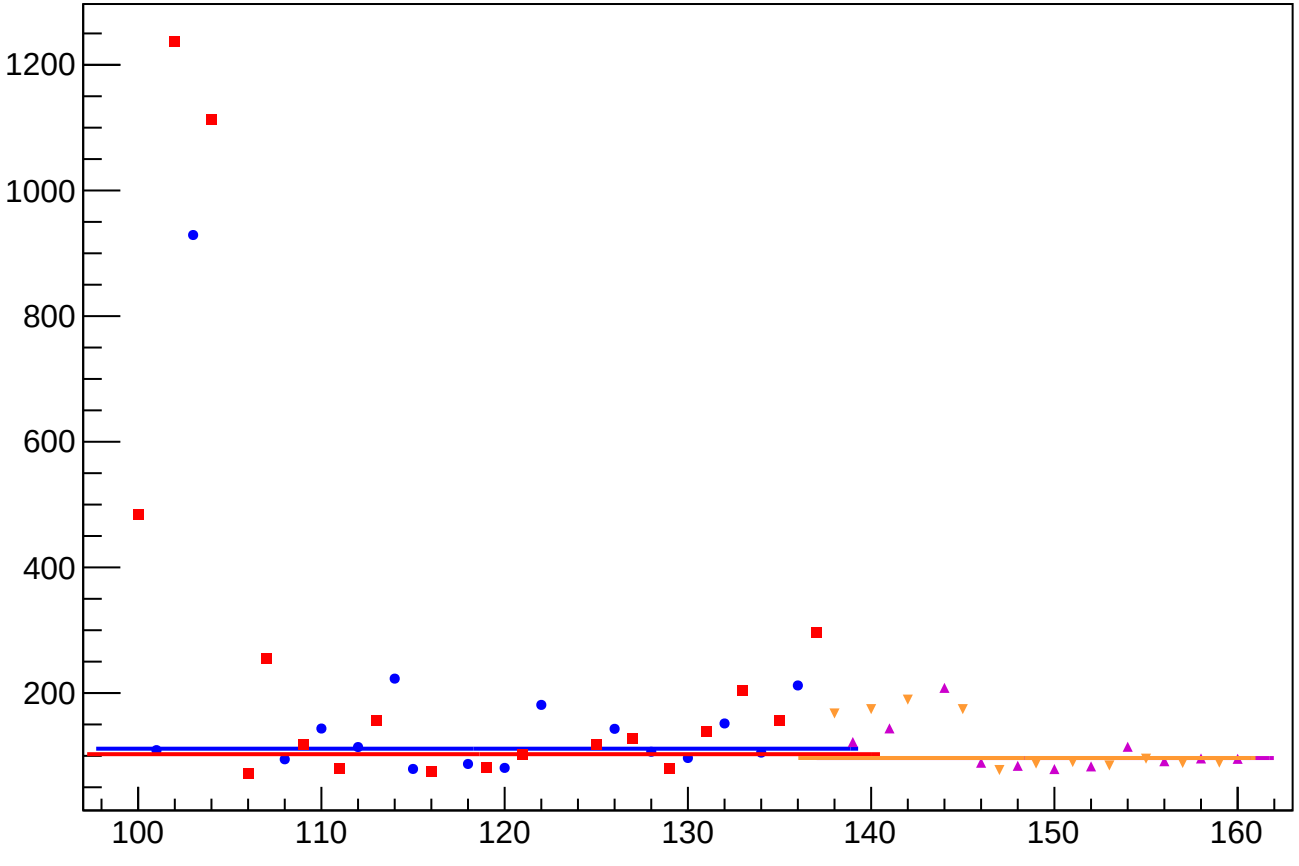
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.020+/-0.020 χ^2/NDF: 68.8/55

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: 96.523+/-0.024 χ^2/NDF:950263.0/10

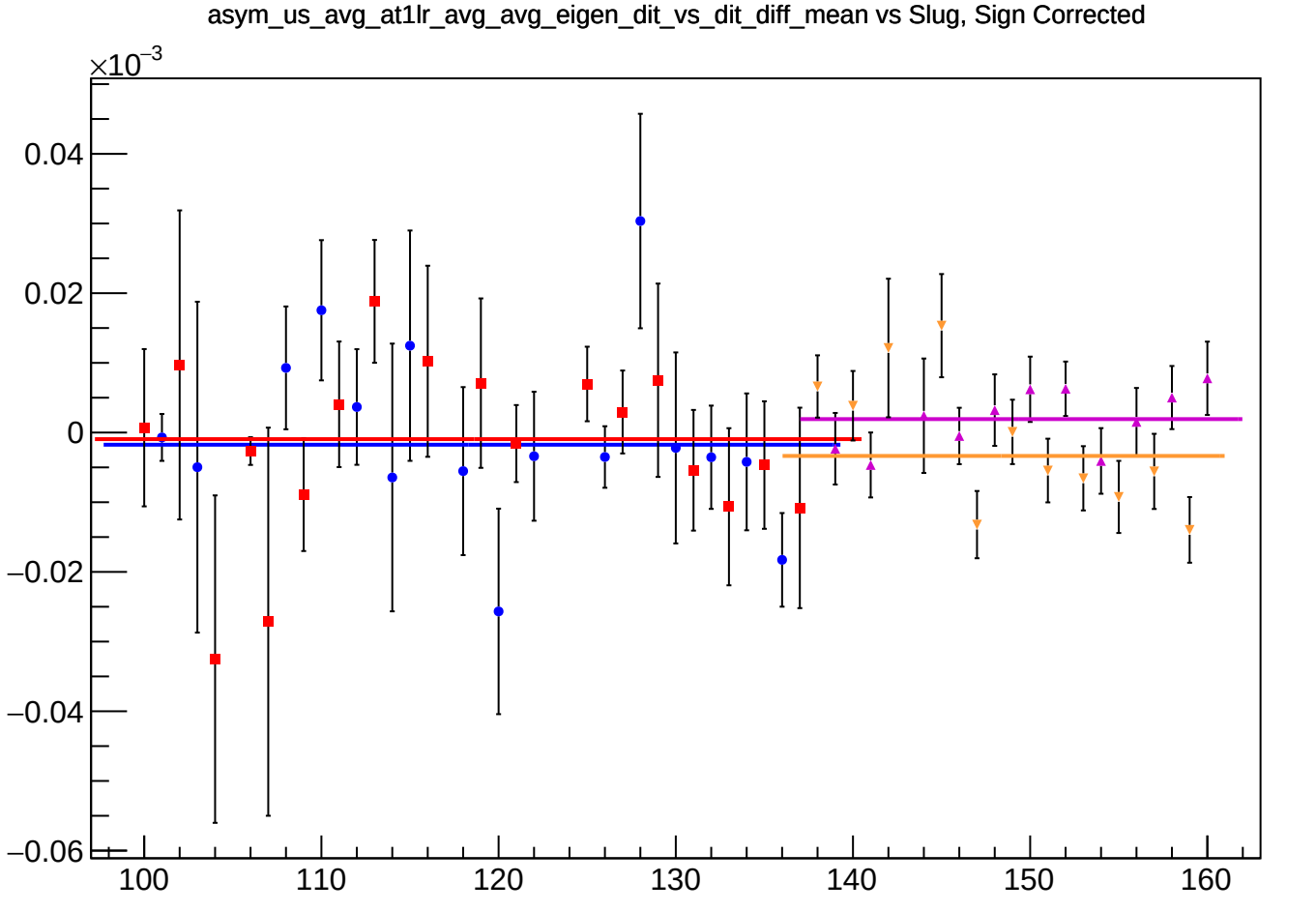
Left: 96.566+/-0.017 χ^2/NDF: 2158954.5/21

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.466+/-0.019 χ^2/NDF:2920068.1/26

Out: 98.883+/-0.020 χ^2/NDF:4056869.0/28

All: 100.218+/-0.014 χ^2/NDF: 6985494.7/55



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:8.5/10

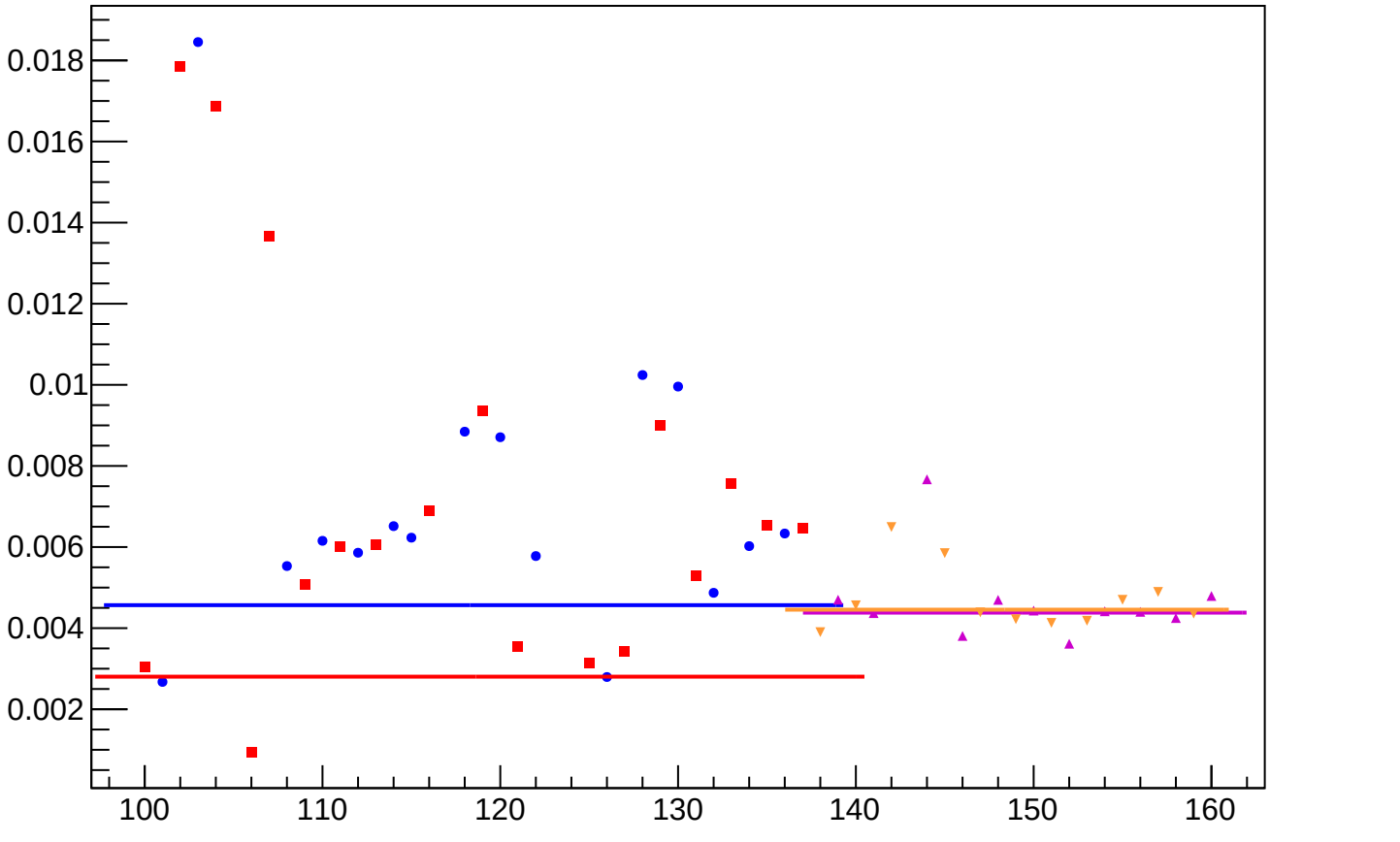
Left: -0.000+/-0.000 χ^2/NDF: 42.6/21

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

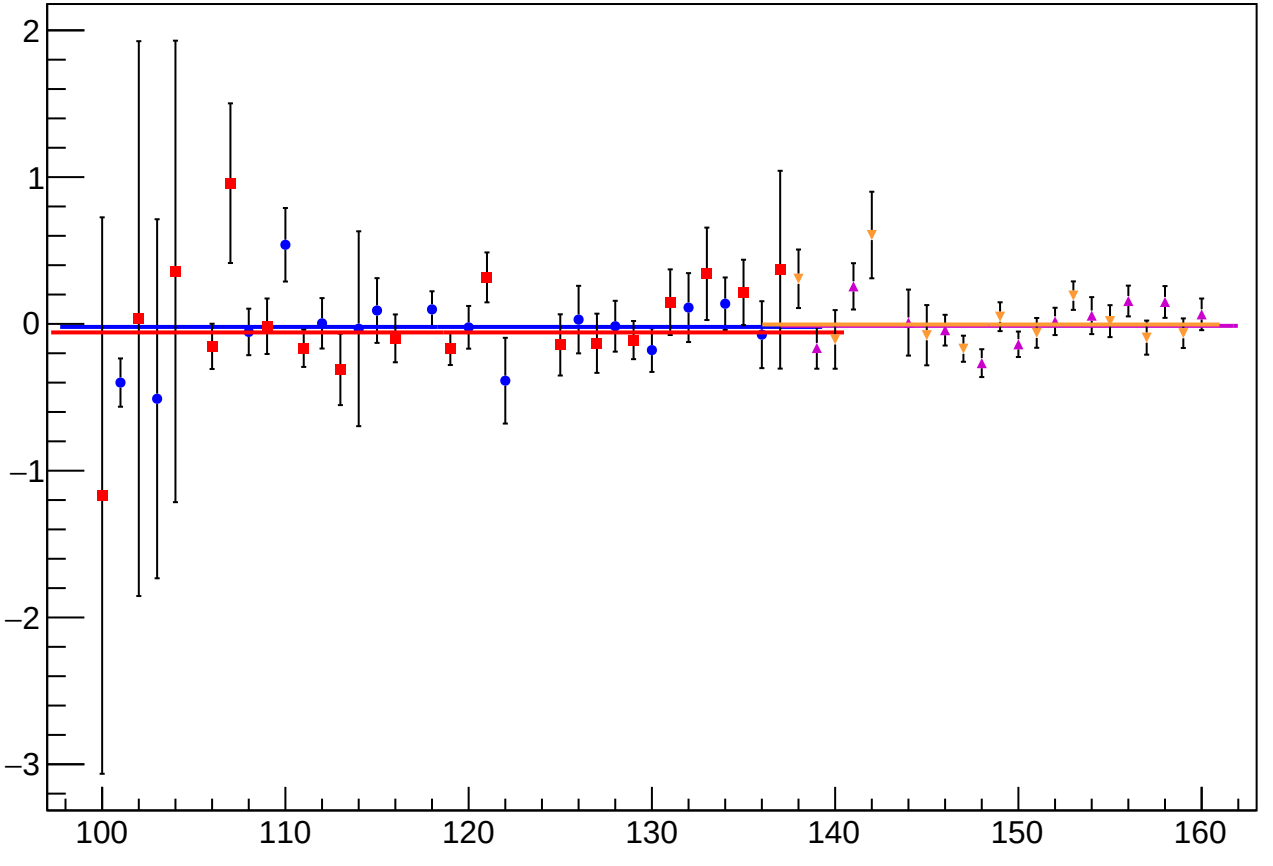
In: 0.000+/-0.000 χ^2/NDF:30.9/26

Out: -0.000+/-0.000 χ^2/NDF:44.8/28

All: -0.000+/-0.000 χ^2/NDF: 78.7/55


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:227740.9/10
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:467603.5/10
Left: 0.004+/-0.000 χ²/NDF: 697737.7/21
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.004+/-0.000 χ²/NDF:3491576.5/26
Out: 0.004+/-0.000 χ²/NDF:8033416.5/28
All: 0.004+/-0.000 χ²/NDF: 12115439.4/55

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_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: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.009+/-0.025 χ^2/NDF: 35.5/21

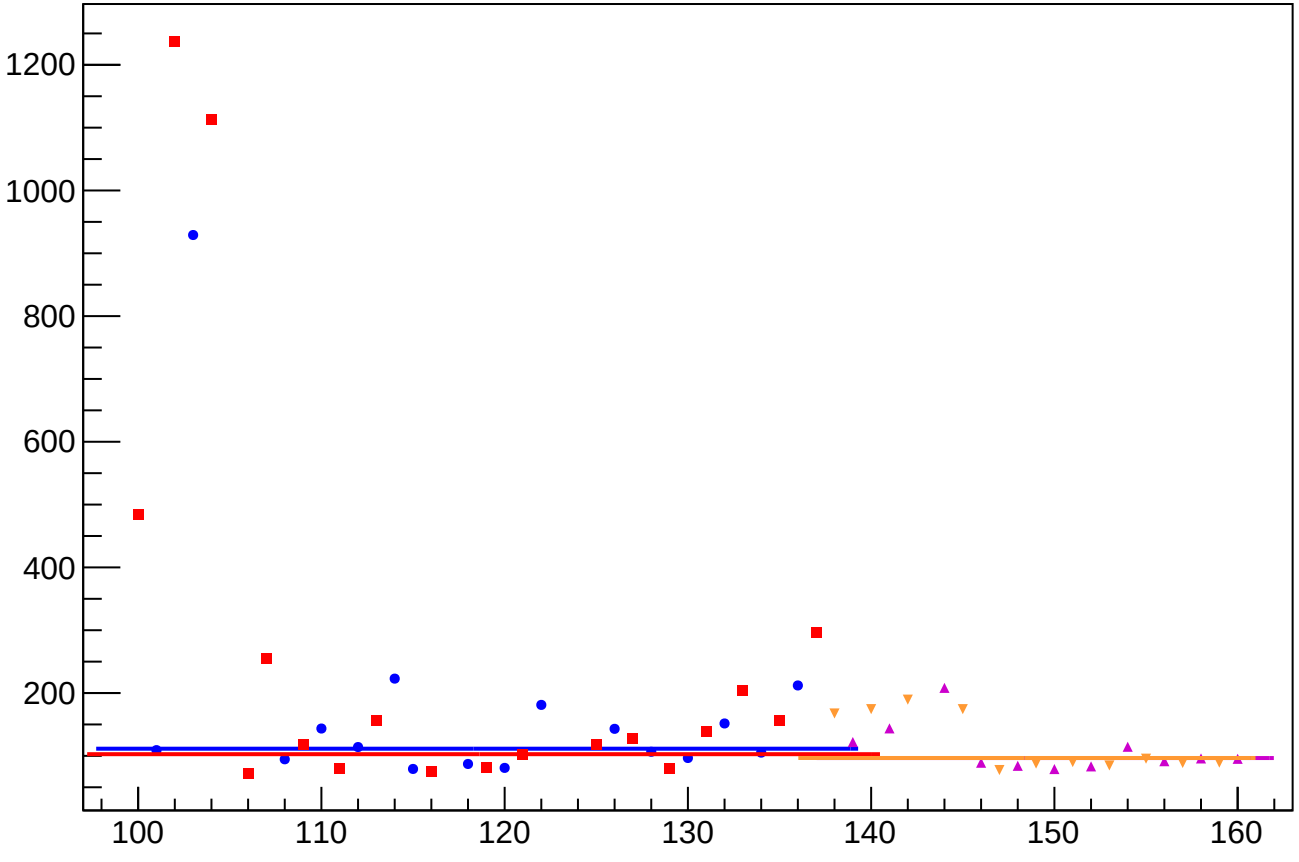
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.020+/-0.020 χ^2/NDF: 68.8/55

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: 96.524+/-0.024 χ^2/NDF:950250.1/10

Left: 96.566+/-0.017 χ^2/NDF: 2158923.2/21

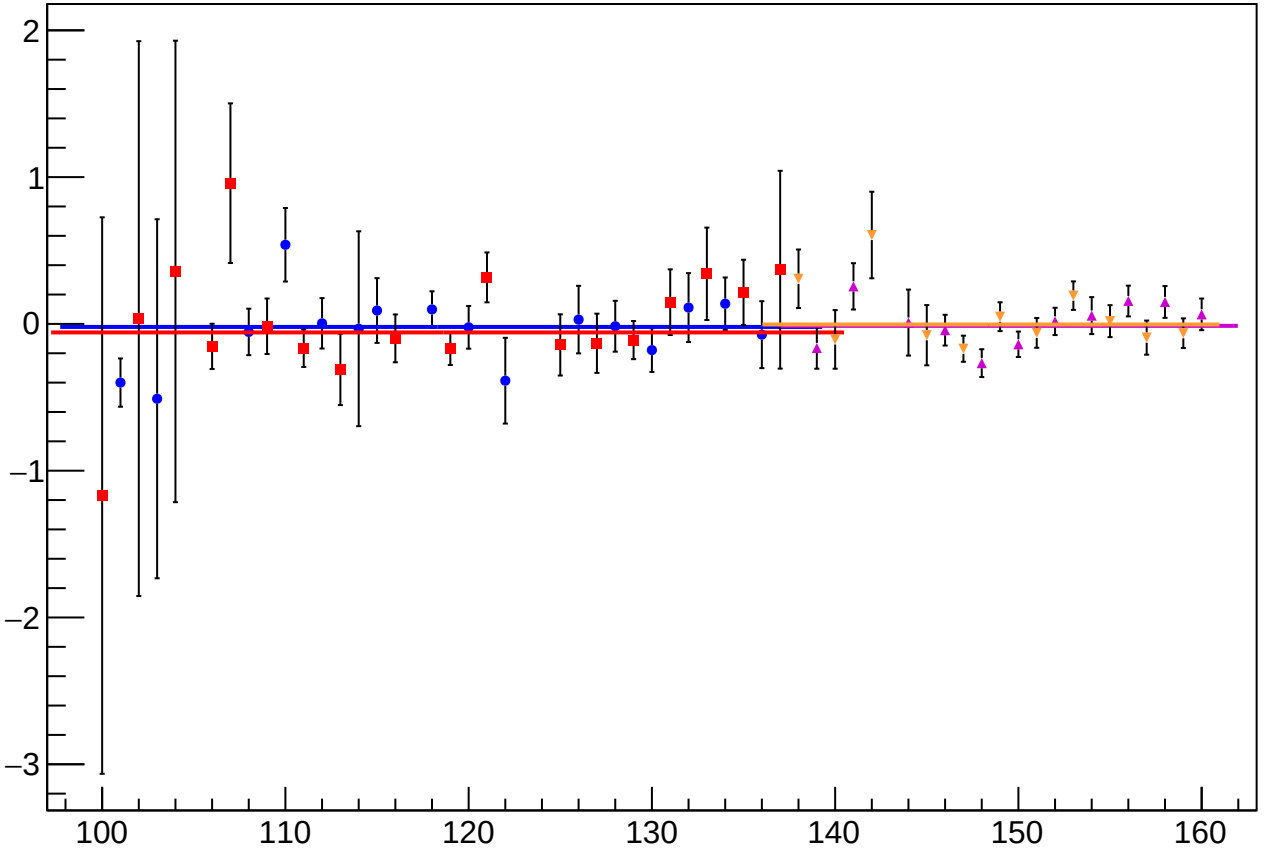
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.465+/-0.019 χ^2/NDF:2920049.7/26

Out: 98.882+/-0.020 χ^2/NDF:4056833.9/28

All: 100.217+/-0.014 χ^2/NDF: 6985440.9/55

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: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.009+/-0.025 χ^2/NDF: 35.5/21

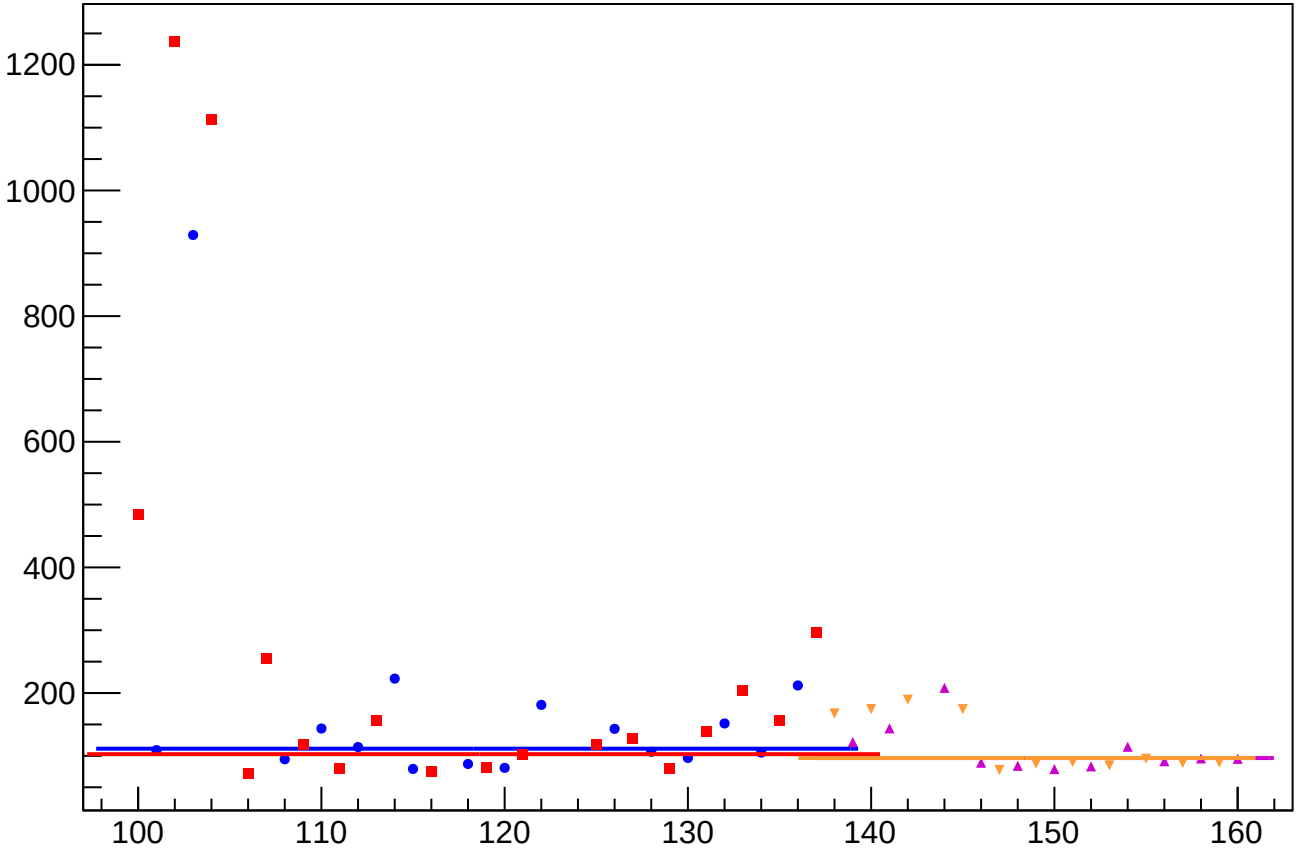
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.024+/-0.028 χ^2/NDF:33.9/28

All: -0.020+/-0.020 χ^2/NDF: 68.8/55

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: 96.524+/-0.024 χ^2/NDF:950250.1/10

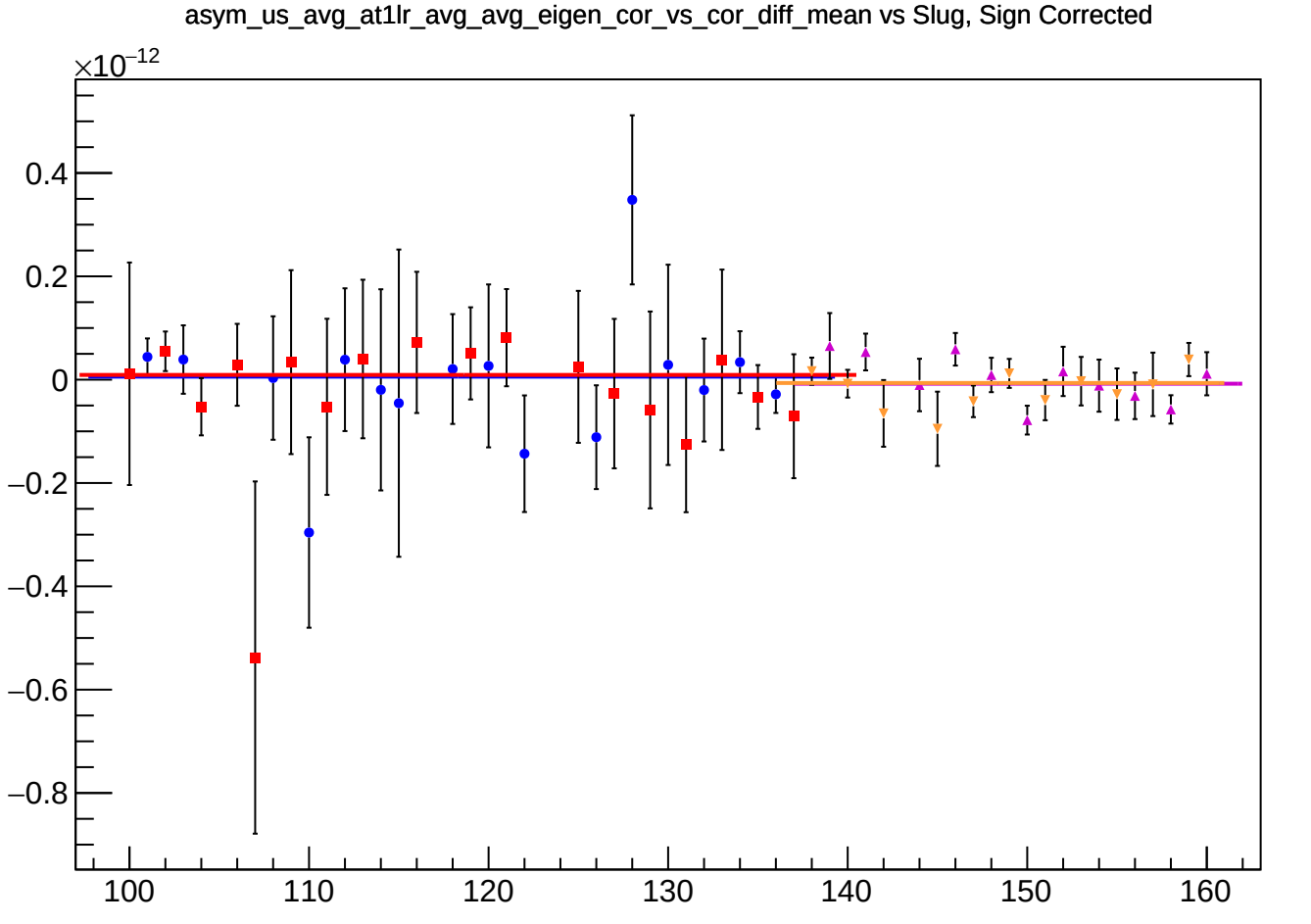
Left: 96.566+/-0.017 χ^2/NDF: 2158923.2/21

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.465+/-0.019 χ^2/NDF:2920049.7/26

Out: 98.882+/-0.020 χ^2/NDF:4056833.9/28

All: 100.217+/-0.014 χ^2/NDF: 6985440.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:19.4/10

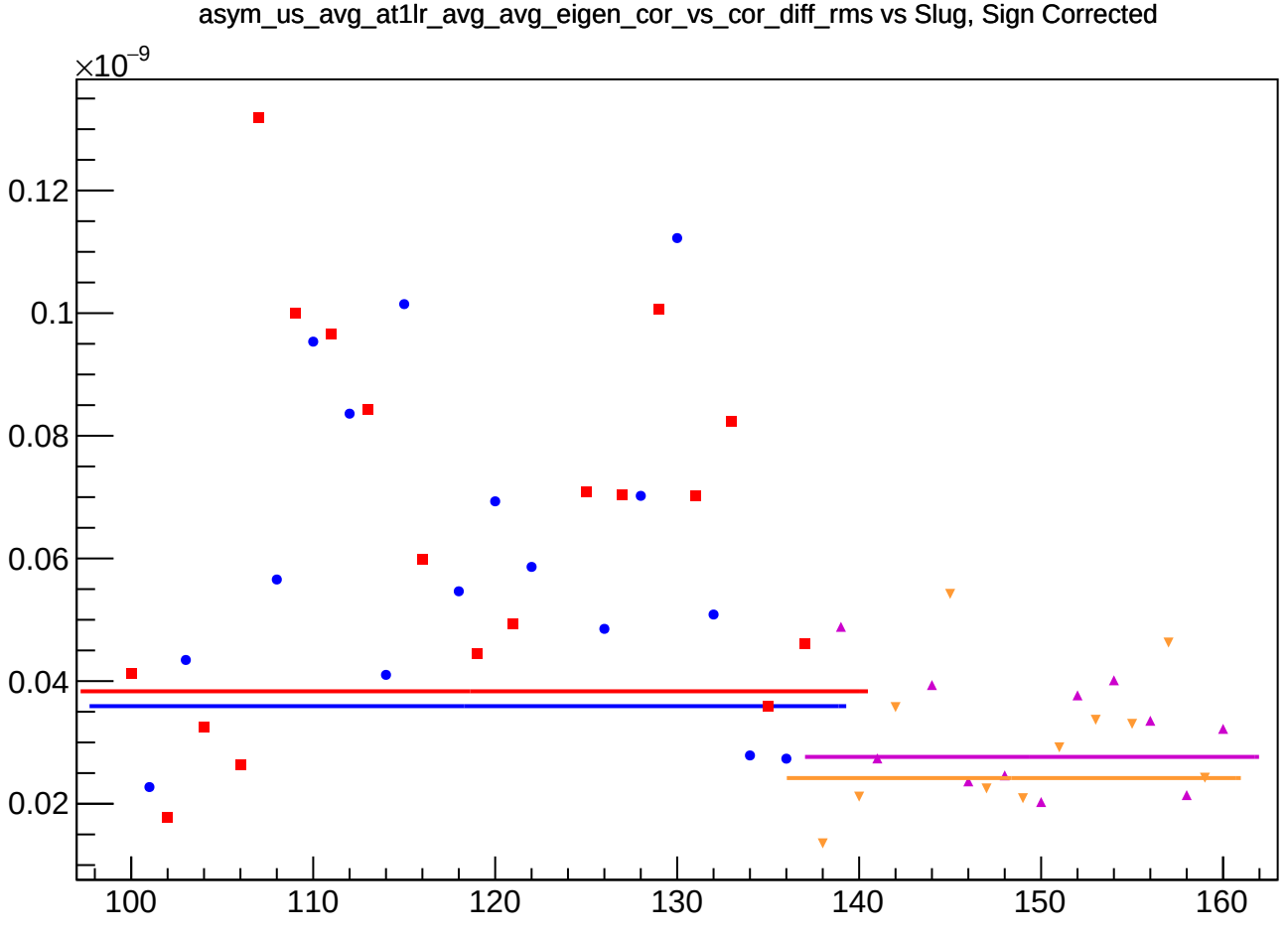
Left: -0.000+/-0.000 χ^2/NDF: 27.2/21

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:32.7/26

Out: -0.000+/-0.000 χ^2/NDF:16.9/28

All: -0.000+/-0.000 χ^2/NDF: 49.6/55



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:888259.4/10

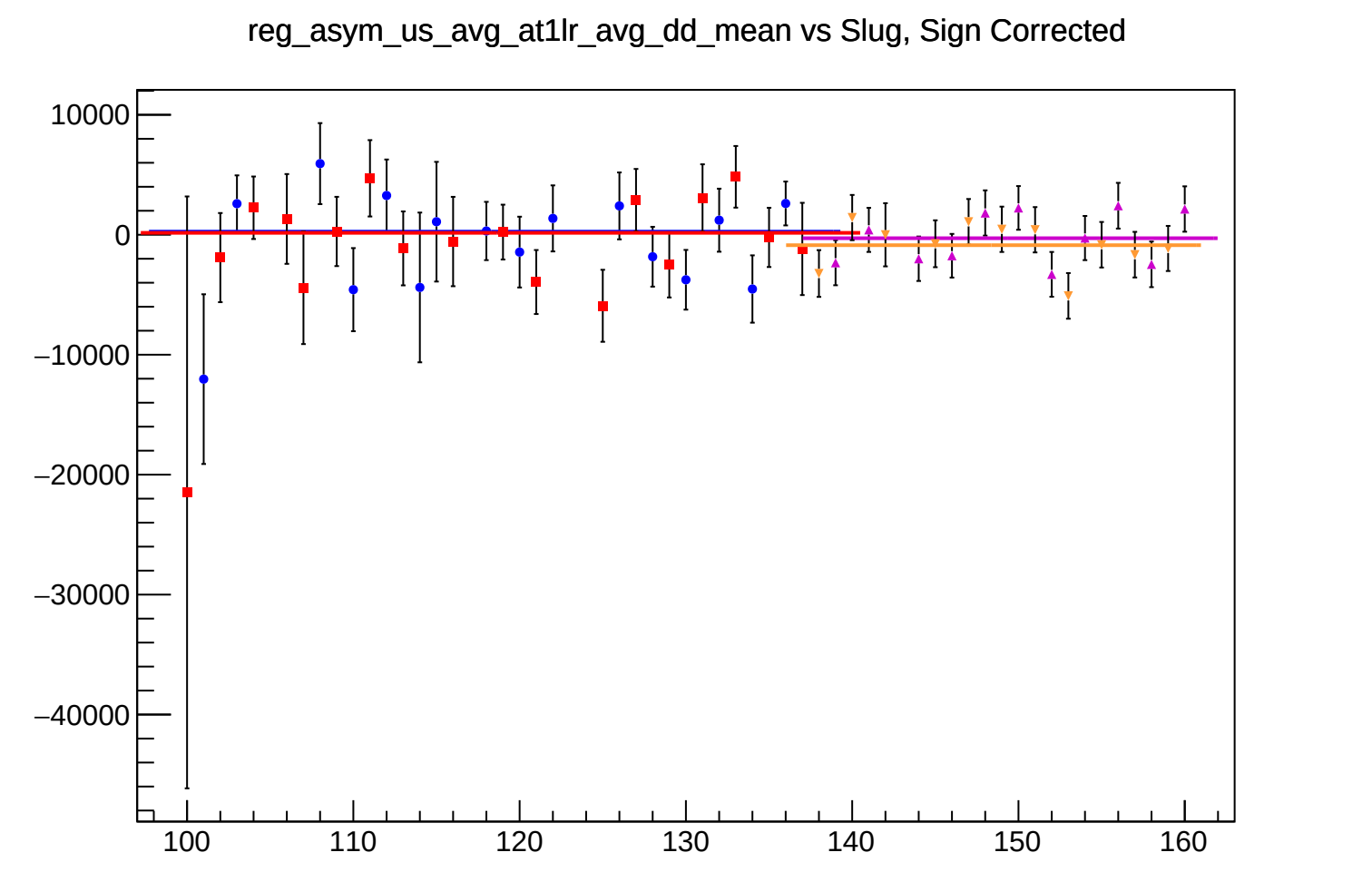
Left: 0.000+/-0.000 χ^2/NDF: 2222560.1/21

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2923608.8/26

Out: 0.000+/-0.000 χ^2/NDF:4122385.7/28

All: 0.000+/-0.000 χ^2/NDF: 7122391.6/55



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -869.551+/-587.167 χ^2/NDF:10.2/10

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -288.676+/-561.717 χ^2/NDF:13.6/10

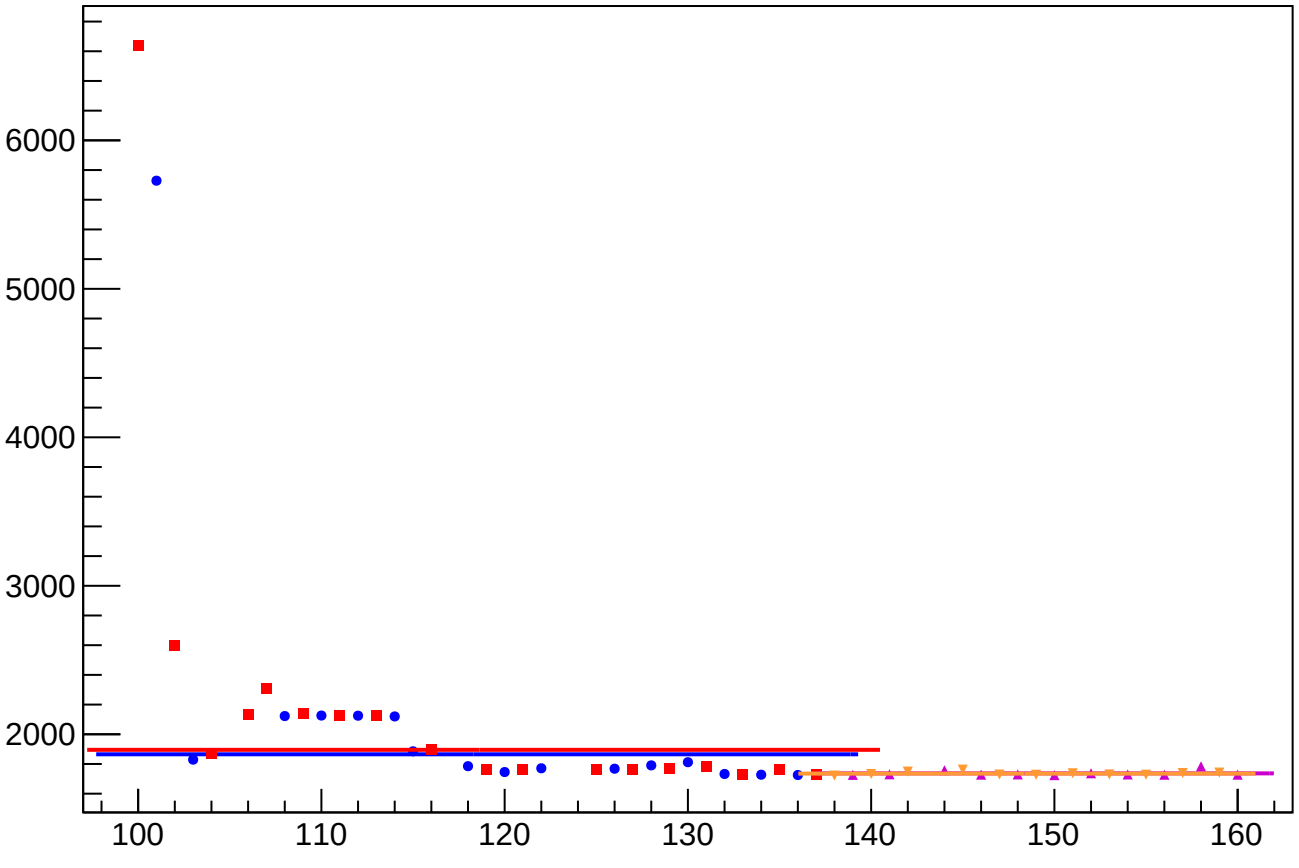
Left: -566.253+/-405.893 χ^2/NDF: 24.3/21

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -77.538+/-440.451 χ^2/NDF:33.4/26

Out: -453.288+/-453.078 χ^2/NDF:29.5/28

All: -260.103+/-315.816 χ^2/NDF: 63.3/55



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: 1736.692+/-0.397 χ^2/NDF:1860.6/10

Left: 1735.979+/-0.287 χ^2/NDF: 2534.0/21

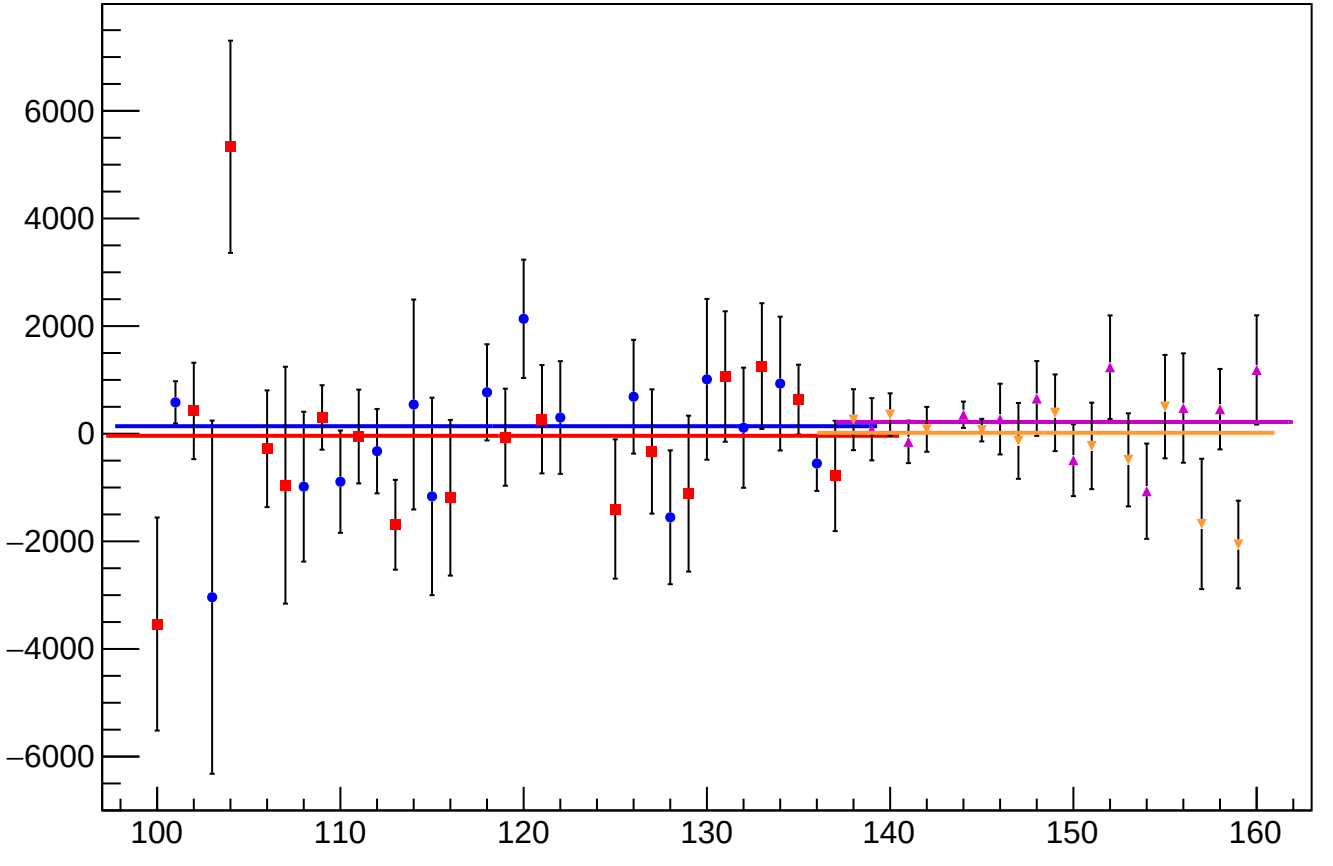
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1786.177+/-0.311 χ^2/NDF:714884.8/26

Out: 1799.952+/-0.320 χ^2/NDF:311594.0/28

All: 1792.870+/-0.223 χ^2/NDF: 1027429.3/55

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: 217.874+/-160.635 χ^2/NDF:7.1/10

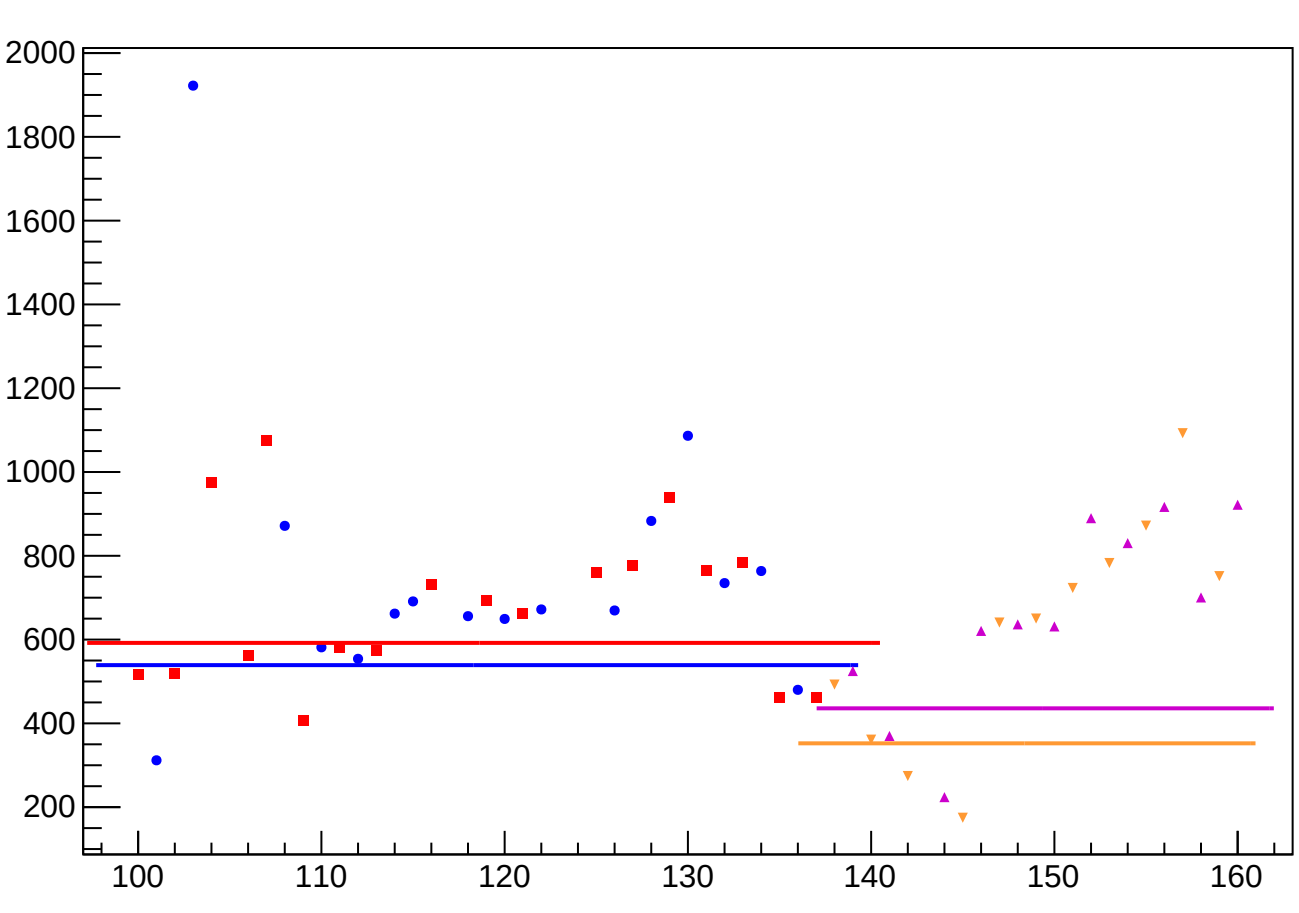
Left: 107.096+/-107.313 χ^2/NDF: 18.4/21

Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 190.740+/-129.754 χ^2/NDF:20.6/26

Out: 2.674+/-123.375 χ^2/NDF:31.9/28

All: 91.970+/-89.409 χ^2/NDF: 53.6/55



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: 435.878+/-0.114 χ^2/NDF:4094374.9/10

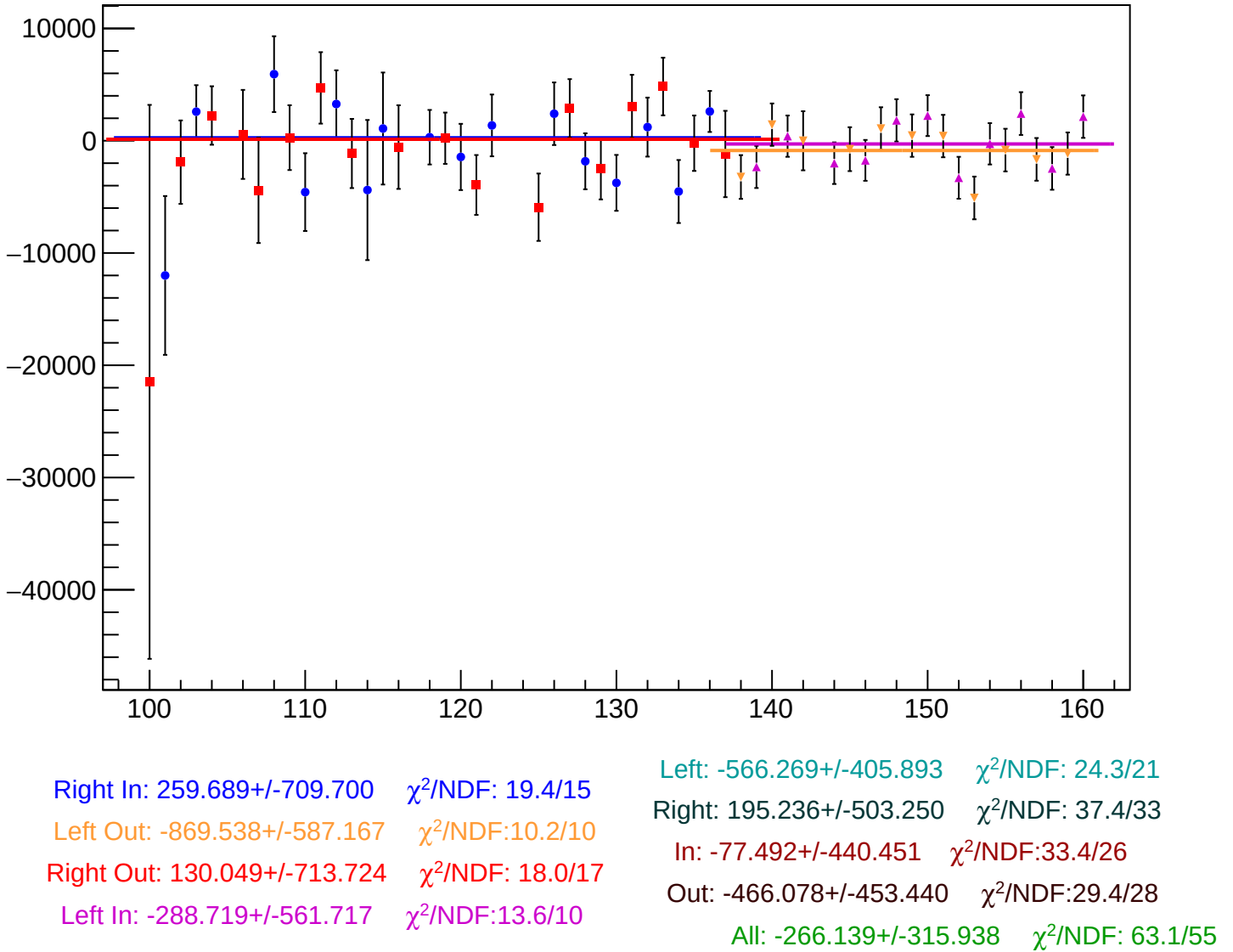
Left: 389.621+/-0.076 χ^2/NDF: 9436152.0/21

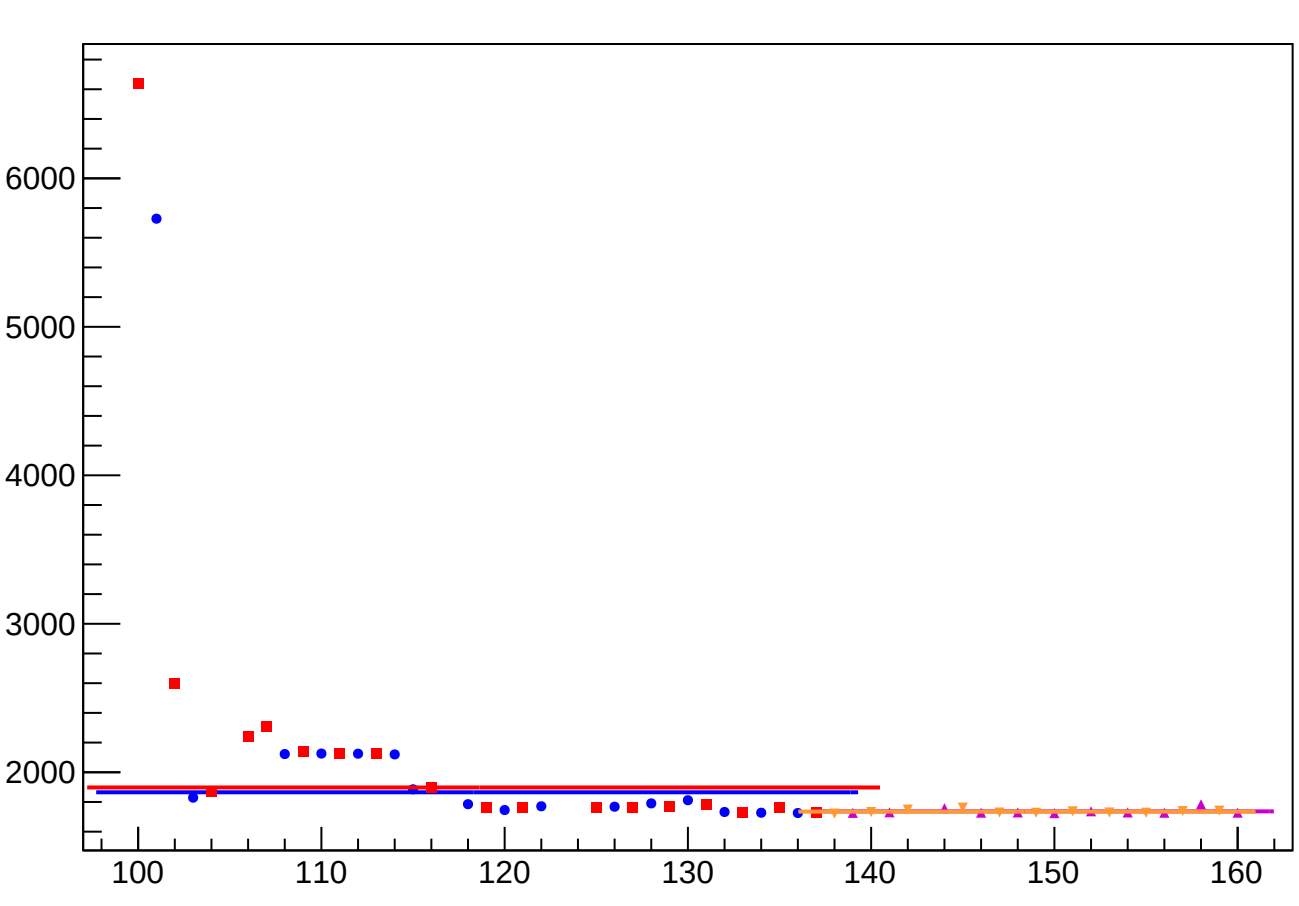
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 471.722+/-0.092 χ^2/NDF:6235490.5/26

Out: 416.629+/-0.087 χ^2/NDF:7367651.6/28

All: 442.788+/-0.063 χ^2/NDF: 13792507.4/55


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: -288.719+/-561.717 χ²/NDF:13.6/10
Left: -566.269+/-405.893 χ²/NDF: 24.3/21
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -77.492+/-440.451 χ²/NDF:33.4/26
Out: -466.078+/-453.440 χ²/NDF:29.4/28
All: -266.139+/-315.938 χ²/NDF: 63.1/55



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: 1736.692+/-0.397 χ^2/NDF:1860.6/10

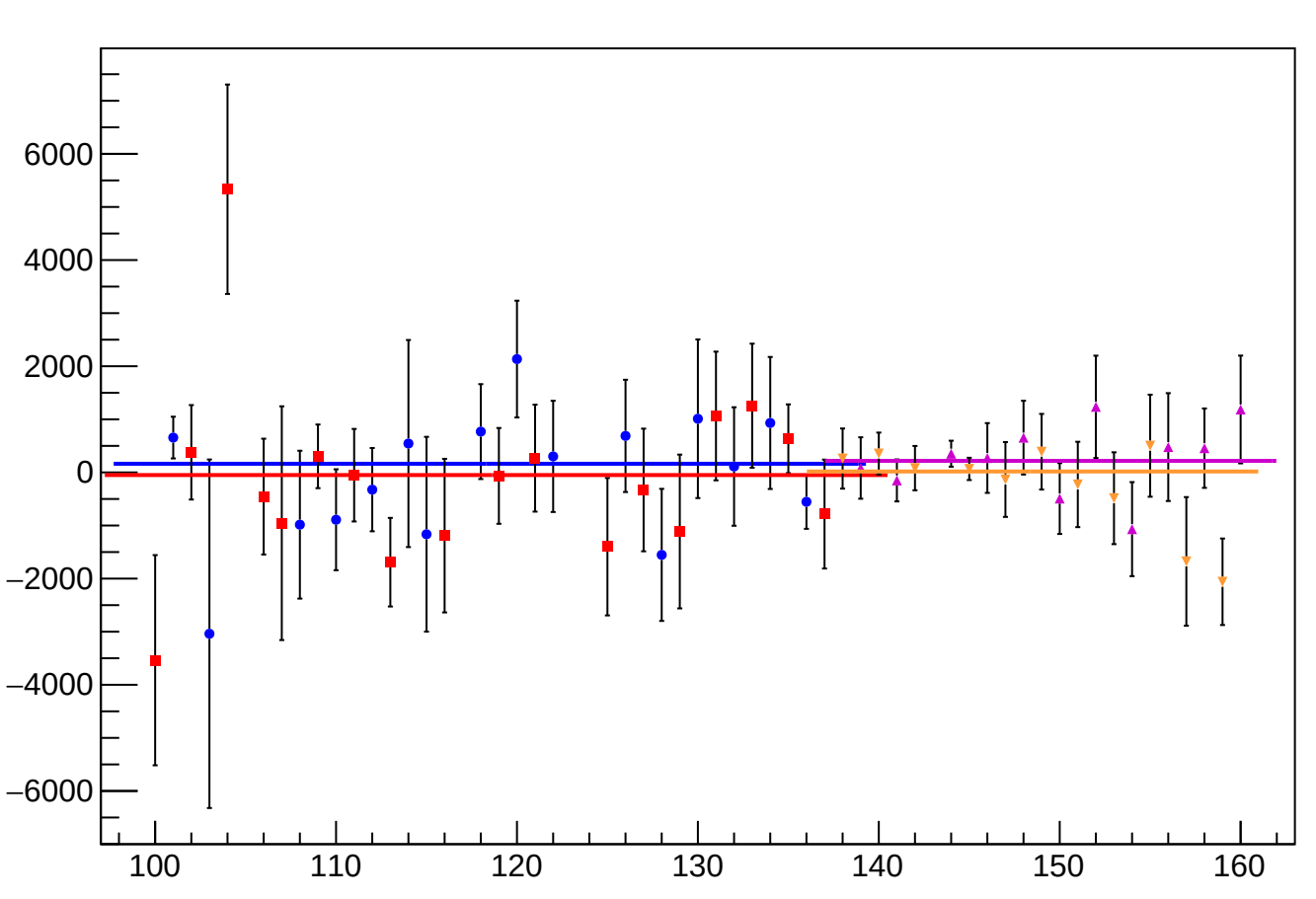
Left: 1735.979+/-0.287 χ^2/NDF: 2534.0/21

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1786.177+/-0.311 χ^2/NDF:714884.6/26

Out: 1800.789+/-0.321 χ^2/NDF:320231.7/28

All: 1793.271+/-0.223 χ^2/NDF: 1036185.0/55



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: 217.873+/-160.636 χ^2/NDF:7.1/10

Left: 107.015+/-107.315 χ^2/NDF: 18.4/21

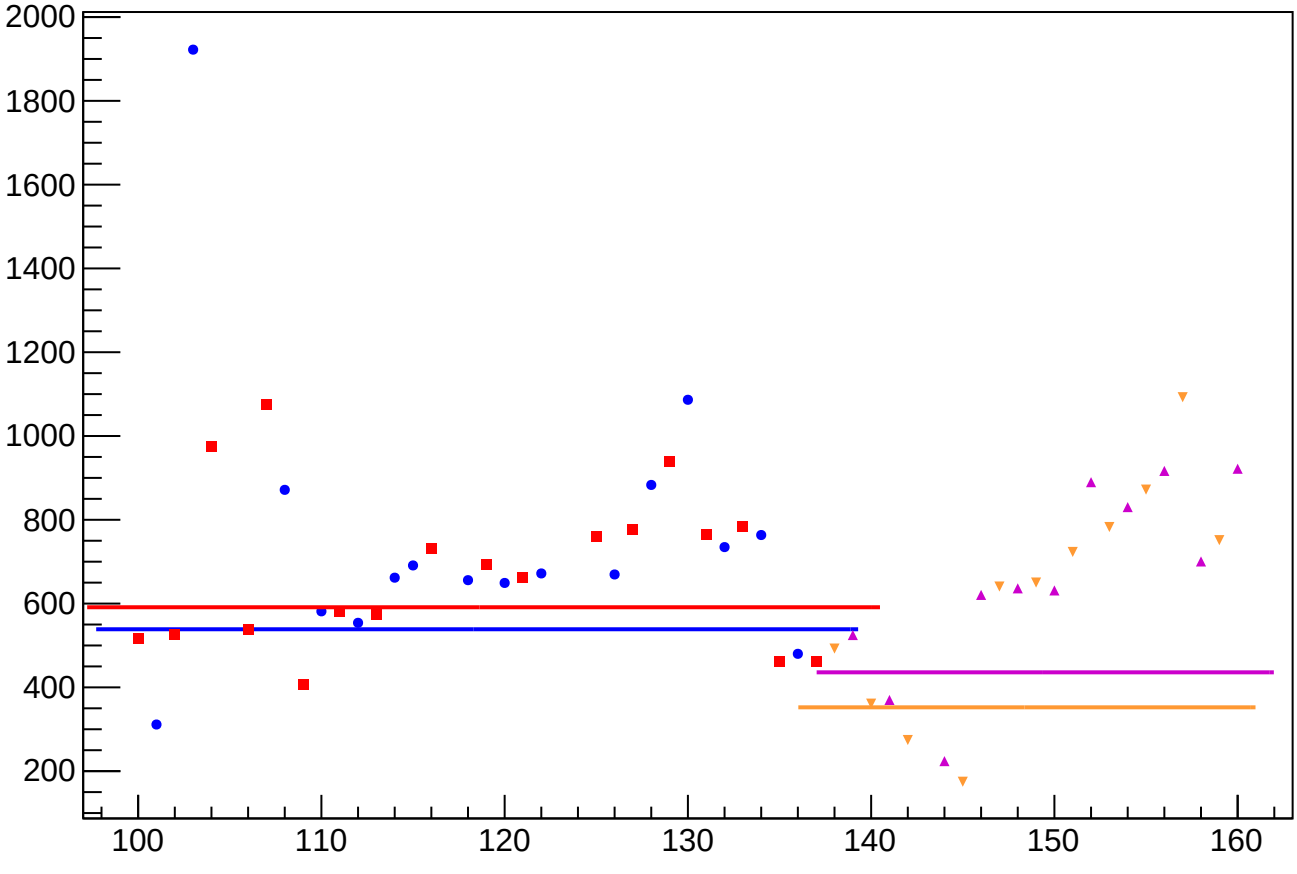
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 198.846+/-129.739 χ^2/NDF:21.0/26

Out: -0.389+/-123.369 χ^2/NDF:31.9/28

All: 94.218+/-89.402 χ^2/NDF: 54.2/55

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: 435.887+/-0.114 χ^2/NDF:4094057.4/10

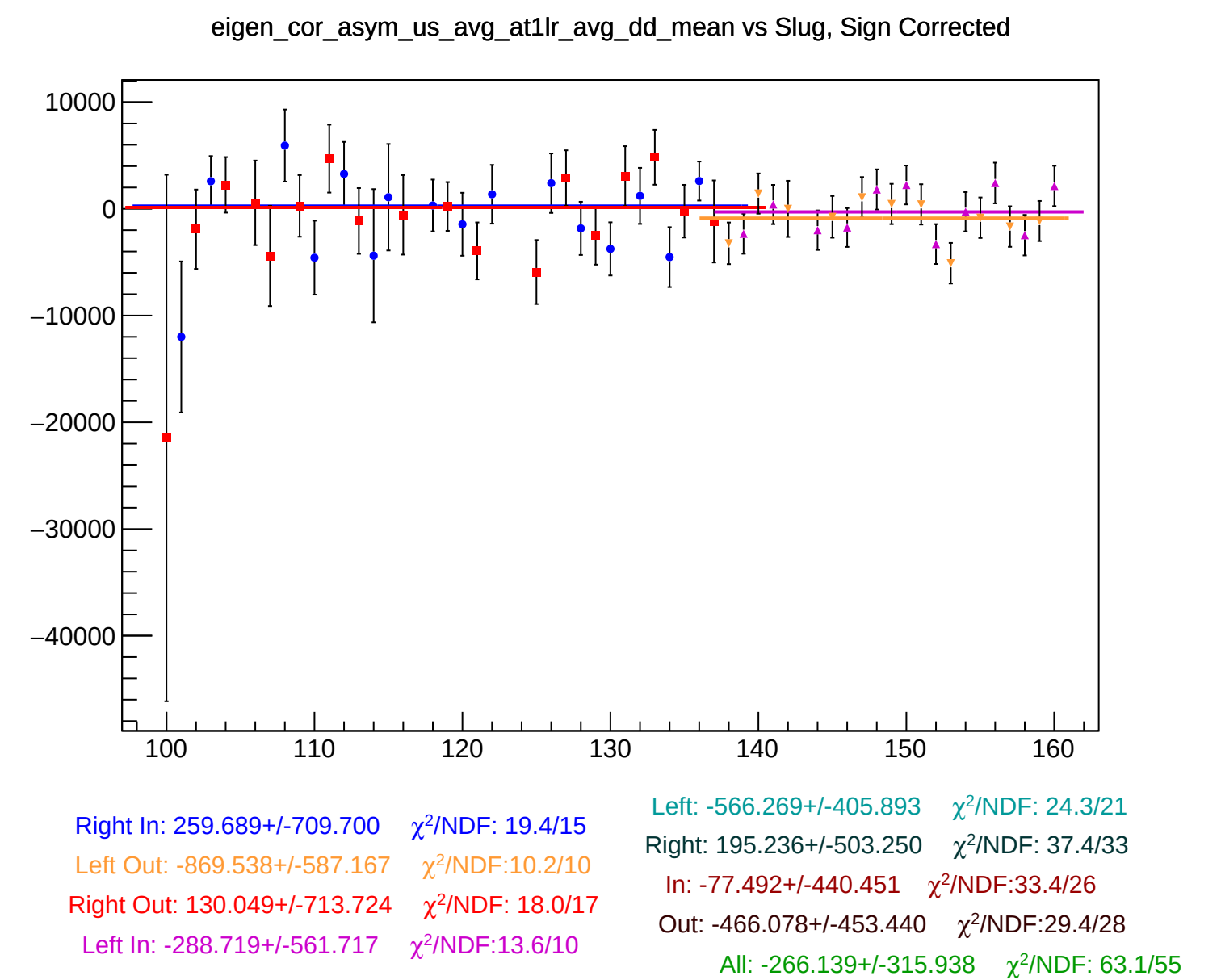
Left: 389.630+/-0.076 χ^2/NDF: 9435682.9/21

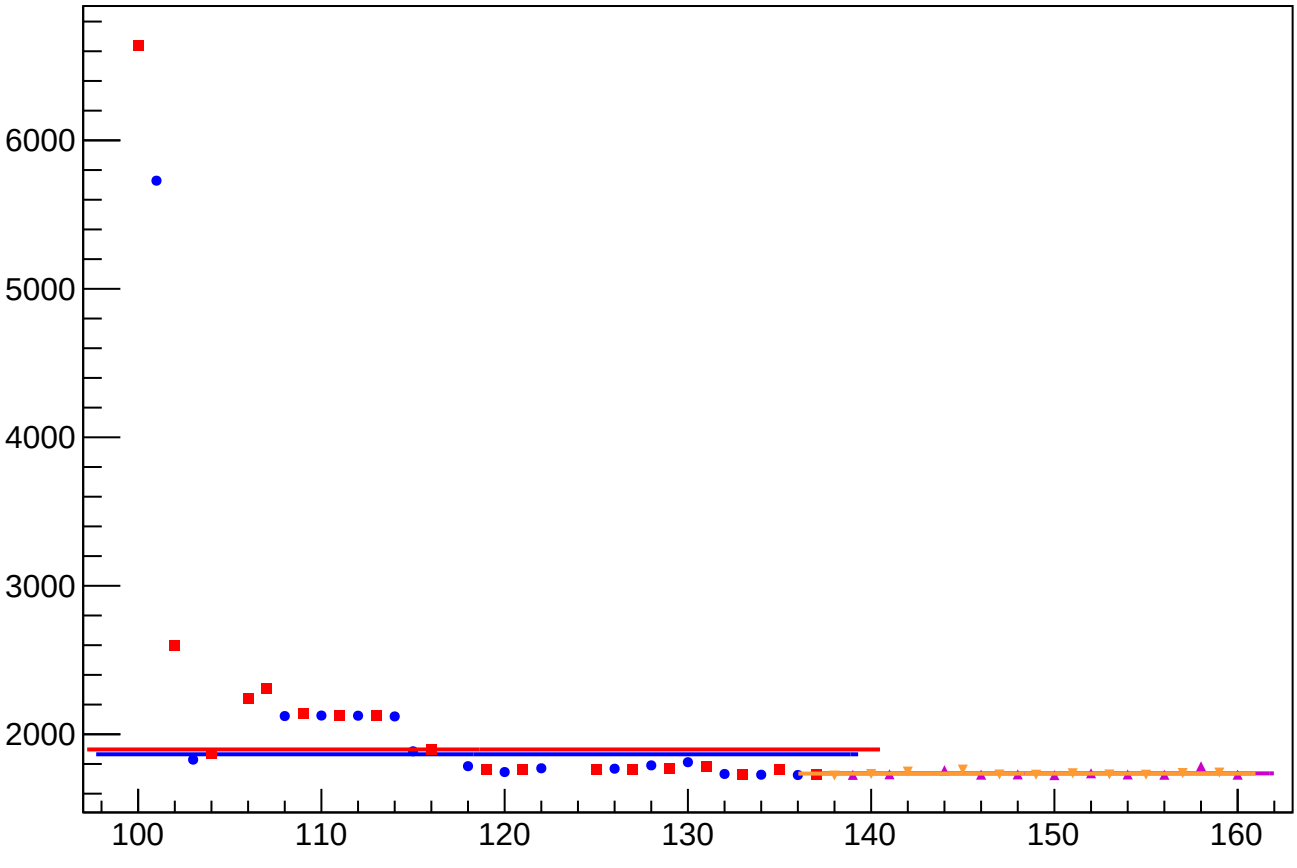
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 471.635+/-0.092 χ^2/NDF:6237833.7/26

Out: 416.428+/-0.087 χ^2/NDF:7358749.9/28

All: 442.643+/-0.063 χ^2/NDF: 13786764.5/55


eigen_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: -288.719+/-561.717 χ²/NDF:13.6/10
Left: -566.269+/-405.893 χ²/NDF: 24.3/21
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -77.492+/-440.451 χ²/NDF:33.4/26
Out: -466.078+/-453.440 χ²/NDF:29.4/28
All: -266.139+/-315.938 χ²/NDF: 63.1/55



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: 1736.692+/-0.397 χ^2/NDF:1860.6/10

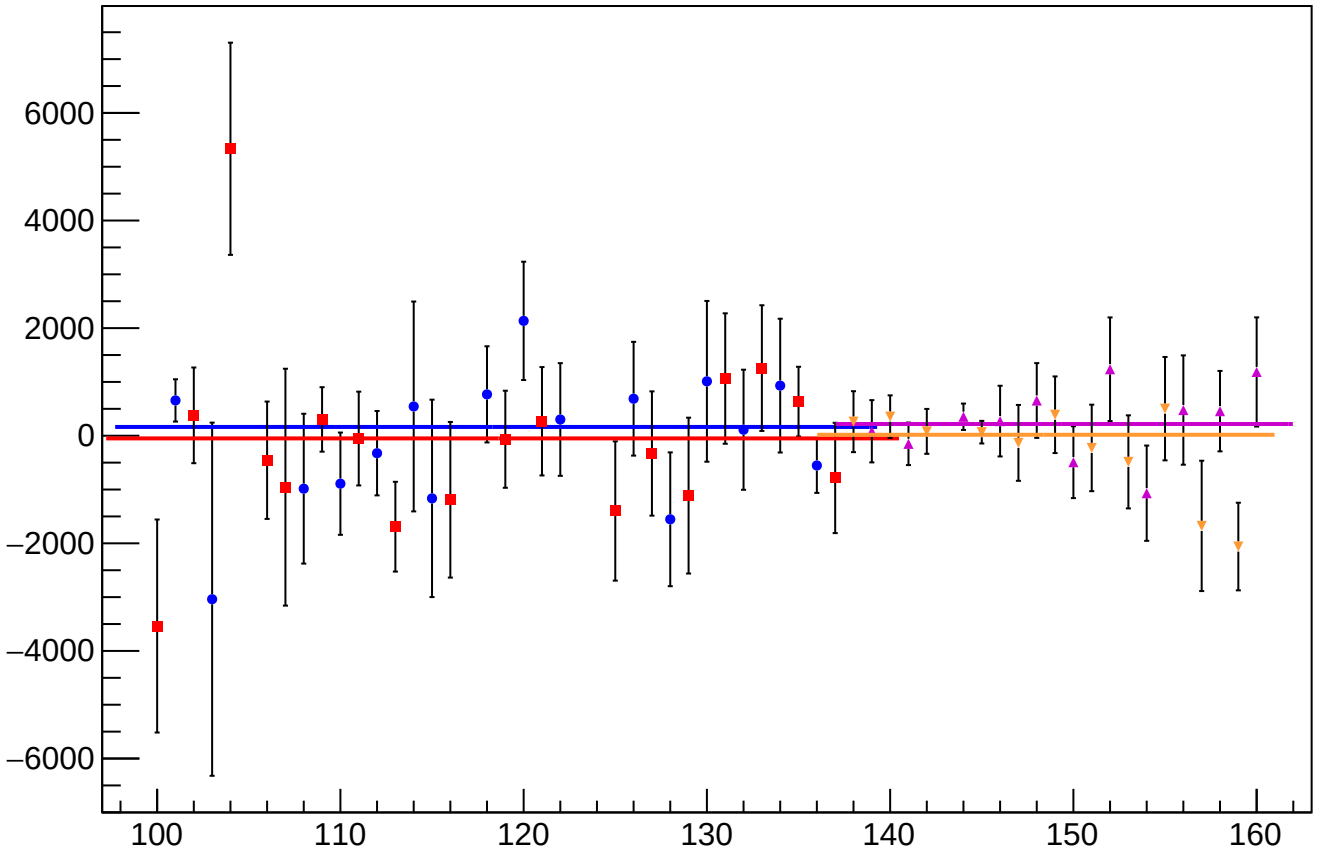
Left: 1735.979+/-0.287 χ^2/NDF: 2534.0/21

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1786.177+/-0.311 χ^2/NDF:714884.6/26

Out: 1800.789+/-0.321 χ^2/NDF:320231.7/28

All: 1793.271+/-0.223 χ^2/NDF: 1036185.0/55



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: 217.873+/-160.636 χ^2/NDF:7.1/10

Left: 107.015+/-107.315 χ^2/NDF: 18.4/21

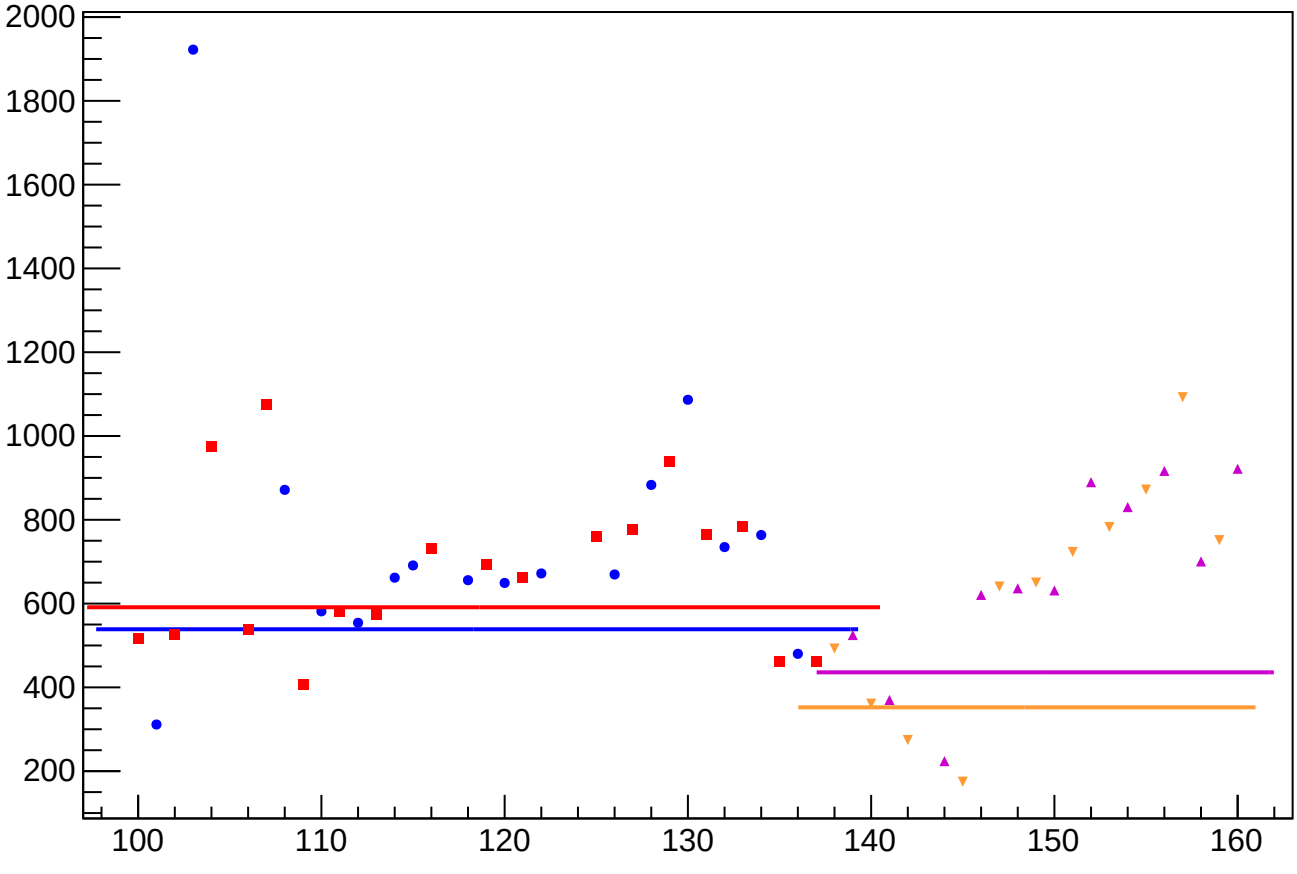
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 198.846+/-129.739 χ^2/NDF:21.0/26

Out: -0.389+/-123.369 χ^2/NDF:31.9/28

All: 94.218+/-89.402 χ^2/NDF: 54.2/55

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 352.345+/-0.102 χ^2/NDF:5042108.6/10

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

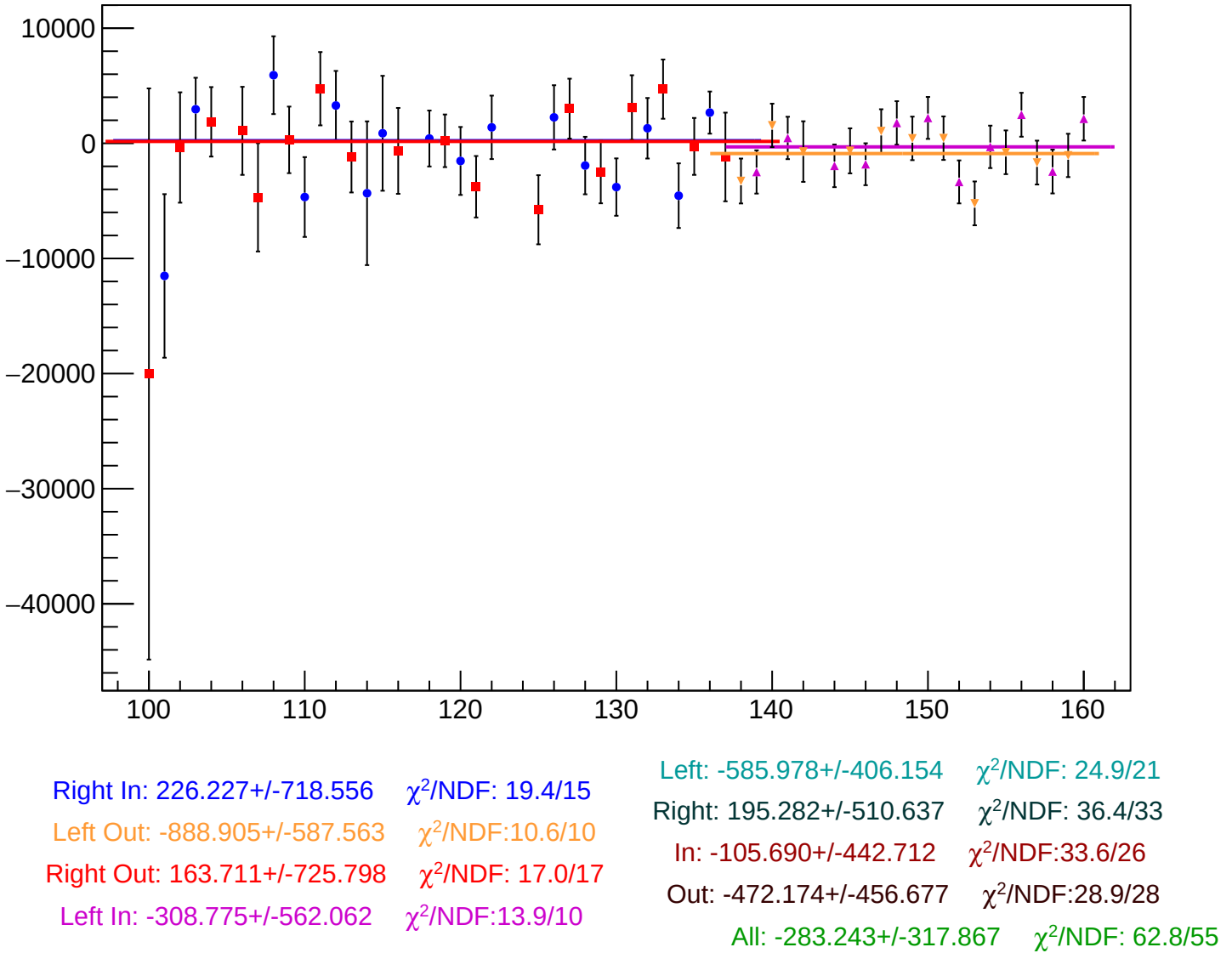
Left: 389.630+/-0.076 χ^2/NDF: 9435682.9/21

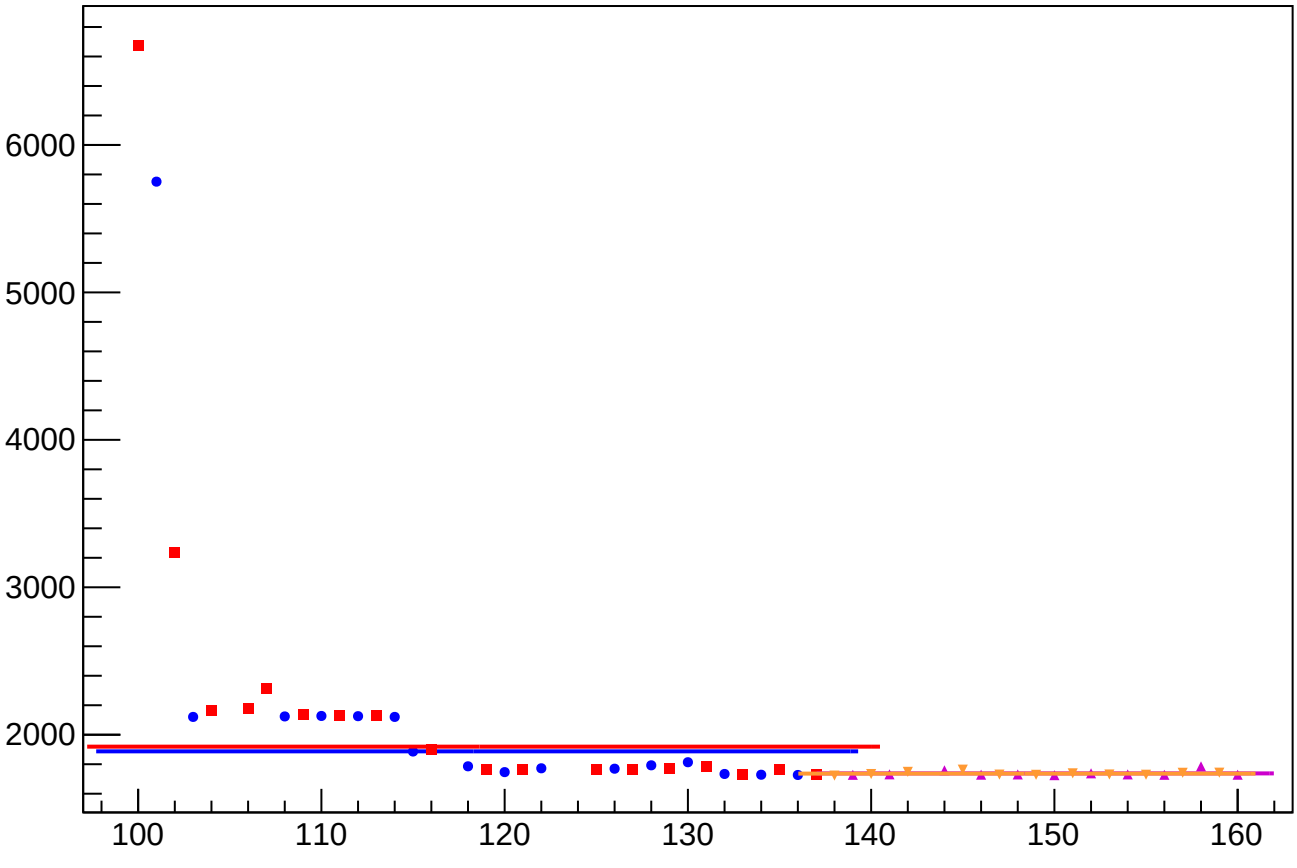
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 471.635+/-0.092 χ^2/NDF:6237833.7/26

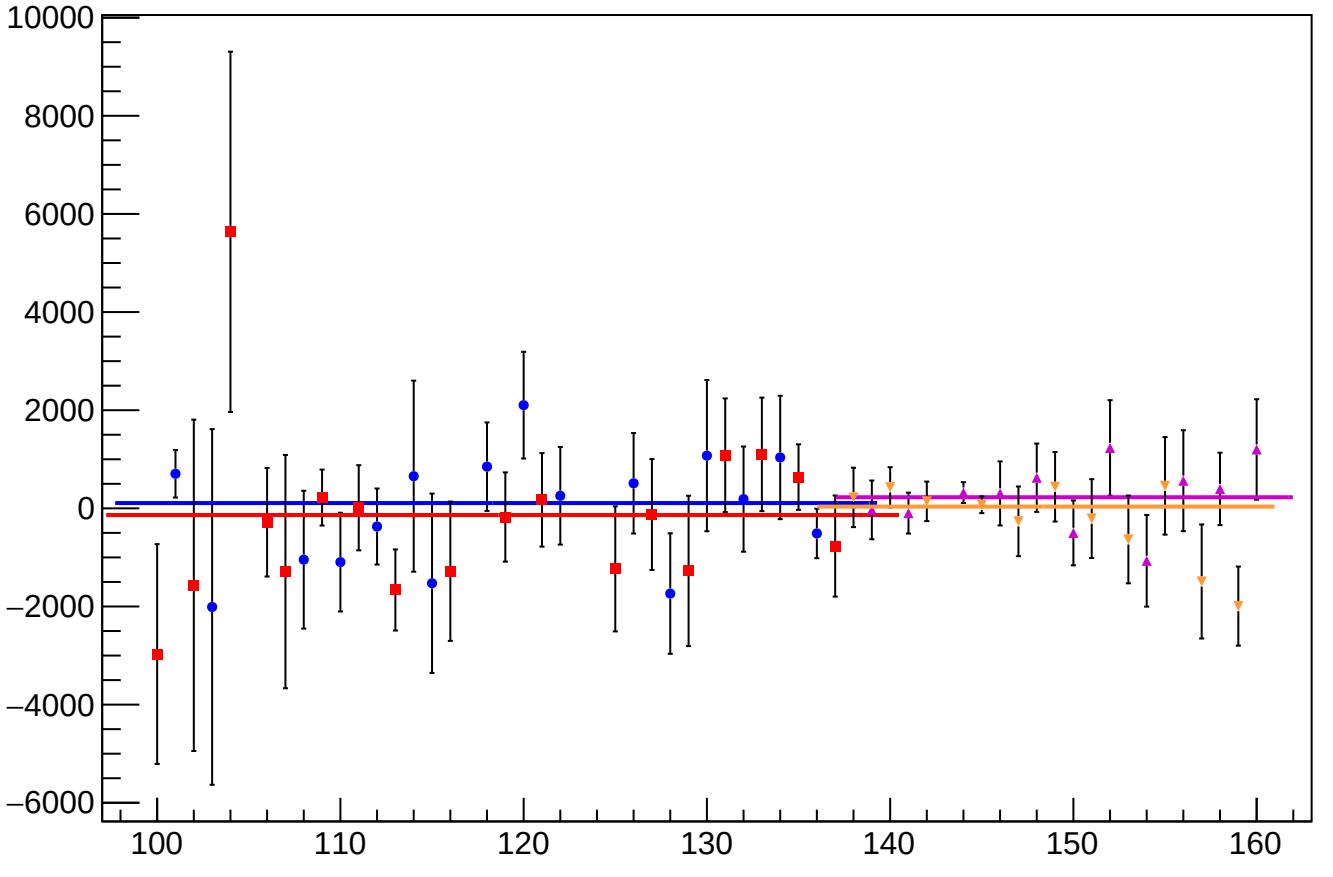
Out: 416.428+/-0.087 χ^2/NDF:7358749.9/28

All: 442.643+/-0.063 χ^2/NDF: 13786764.5/55


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: -888.905+/-587.563 χ²/NDF:10.6/10
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -308.775+/-562.062 χ²/NDF:13.9/10
Left: -585.978+/-406.154 χ²/NDF: 24.9/21
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -105.690+/-442.712 χ²/NDF:33.6/26
Out: -472.174+/-456.677 χ²/NDF:28.9/28
All: -283.243+/-317.867 χ²/NDF: 62.8/55


dit_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: 1887.310+/-0.508 χ²/NDF: 689442.6/15
Left Out: 1736.367+/-0.415 χ²/NDF:671.8/10
Right Out: 1919.164+/-0.513 χ²/NDF: 352567.1/17
Left In: 1737.756+/-0.397 χ²/NDF:1861.7/10
Left: 1737.092+/-0.287 χ²/NDF: 2539.3/21
Right: 1903.077+/-0.361 χ²/NDF: 1043955.3/33
In: 1794.526+/-0.313 χ²/NDF:745054.6/26
Out: 1808.737+/-0.323 χ²/NDF:429877.2/28
All: 1801.411+/-0.225 χ²/NDF: 1175930.2/55

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 35.107+/-129.780 χ^2/NDF:10.5/10

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 226.366+/-151.812 χ^2/NDF:6.6/10

Left: 115.862+/-98.647 χ^2/NDF: 18.0/21

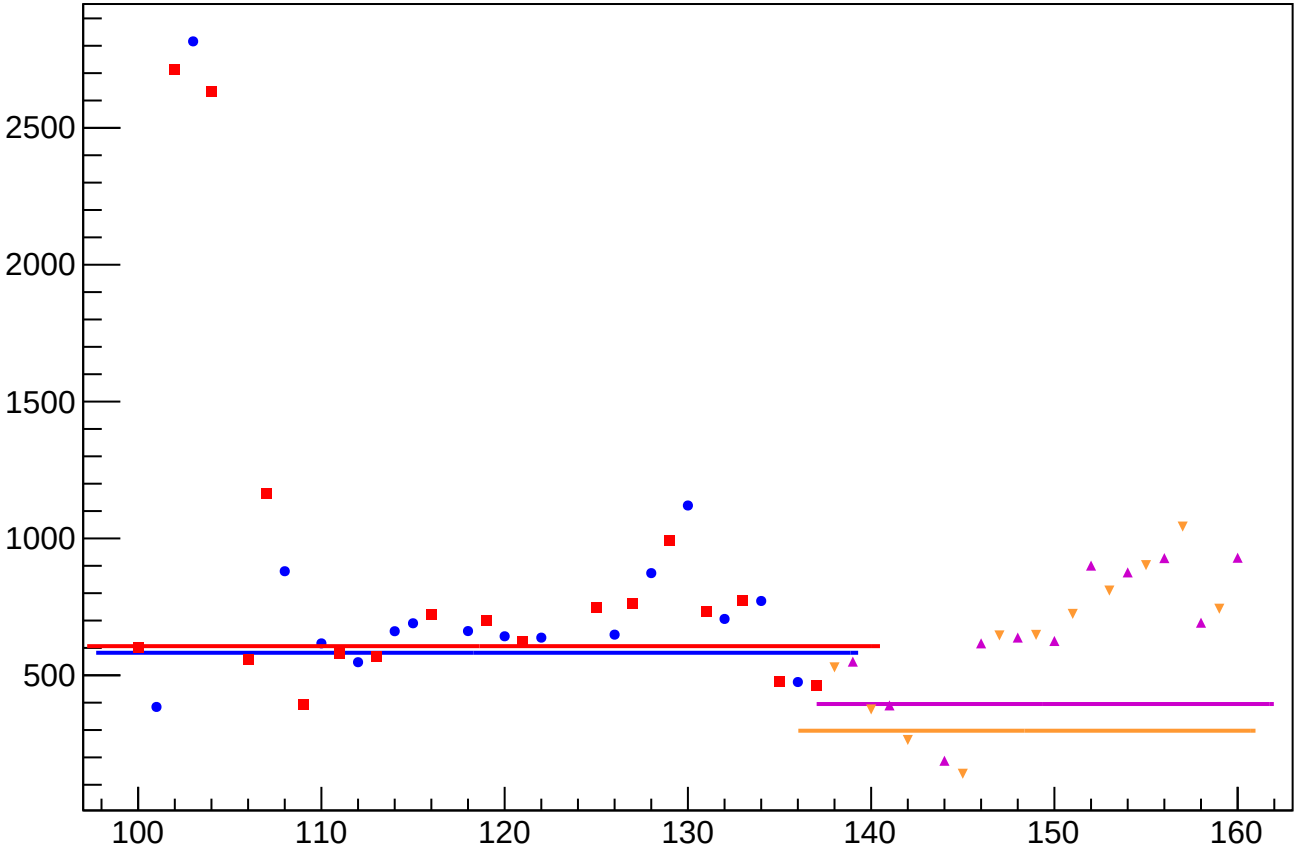
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 190.855+/-126.985 χ^2/NDF:20.9/26

Out: -2.023+/-114.779 χ^2/NDF:25.3/28

All: 84.703+/-85.150 χ^2/NDF: 47.5/55

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 297.486+/-0.092 χ^2/NDF:6446891.5/10

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 395.035+/-0.107 χ^2/NDF:5234837.0/10

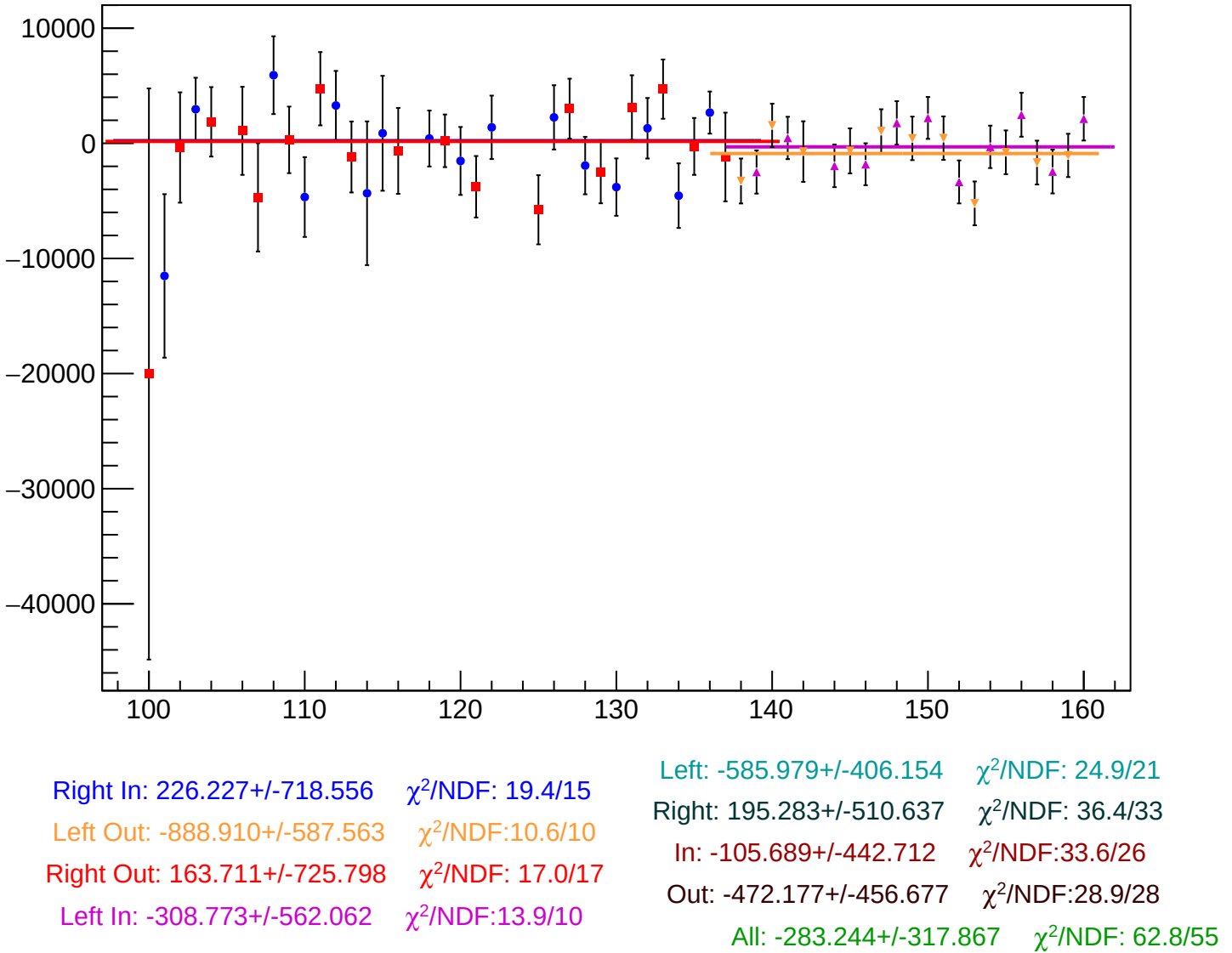
Left: 338.674+/-0.070 χ^2/NDF: 12158829.2/21

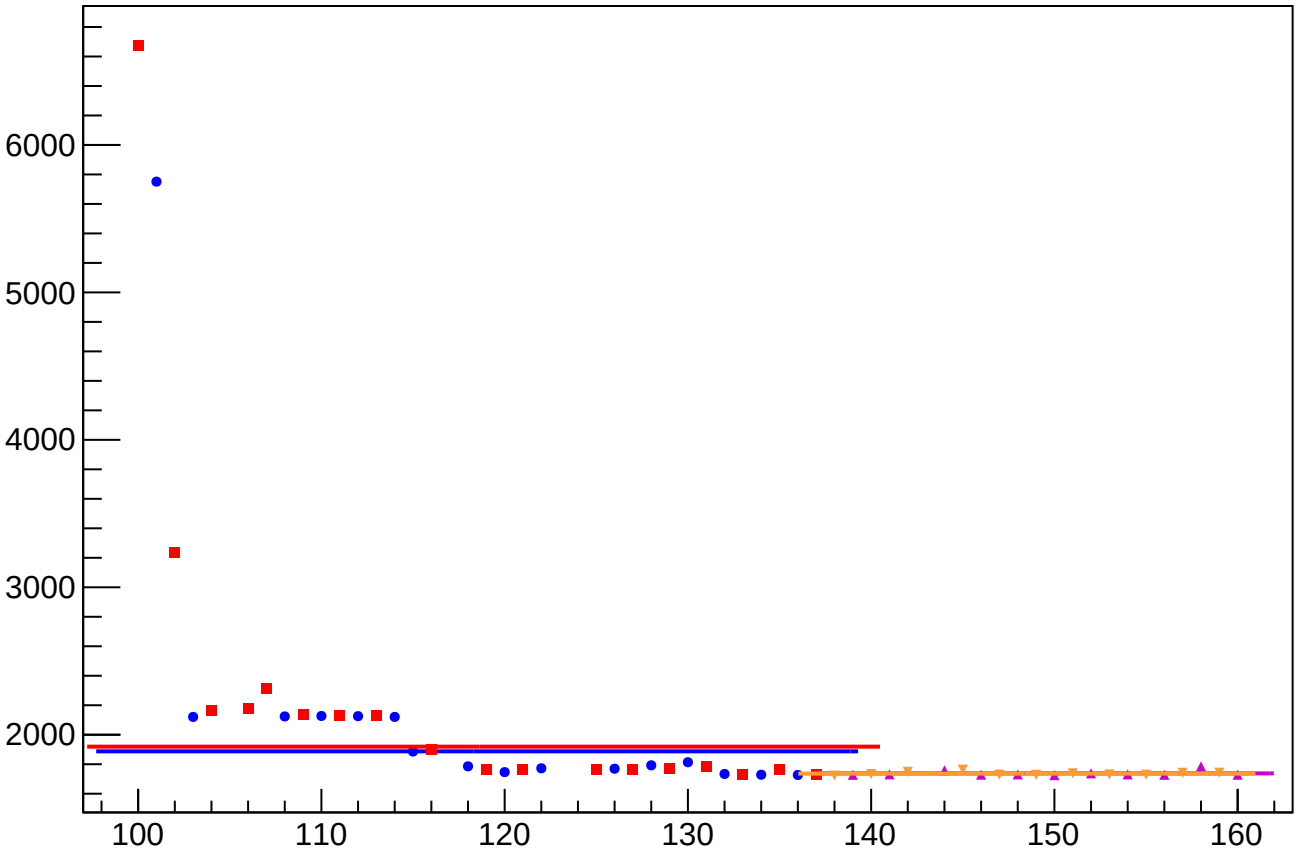
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 451.269+/-0.090 χ^2/NDF:7902836.1/26

Out: 364.783+/-0.081 χ^2/NDF:11114300.7/28

All: 403.670+/-0.060 χ^2/NDF: 19527711.2/55


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: -308.773+/-562.062 χ²/NDF:13.9/10
Left: -585.979+/-406.154 χ²/NDF: 24.9/21
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -105.689+/-442.712 χ²/NDF:33.6/26
Out: -472.177+/-456.677 χ²/NDF:28.9/28
All: -283.244+/-317.867 χ²/NDF: 62.8/55



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: 1737.756+/-0.397 χ^2/NDF:1861.7/10

Left: 1737.092+/-0.287 χ^2/NDF: 2539.3/21

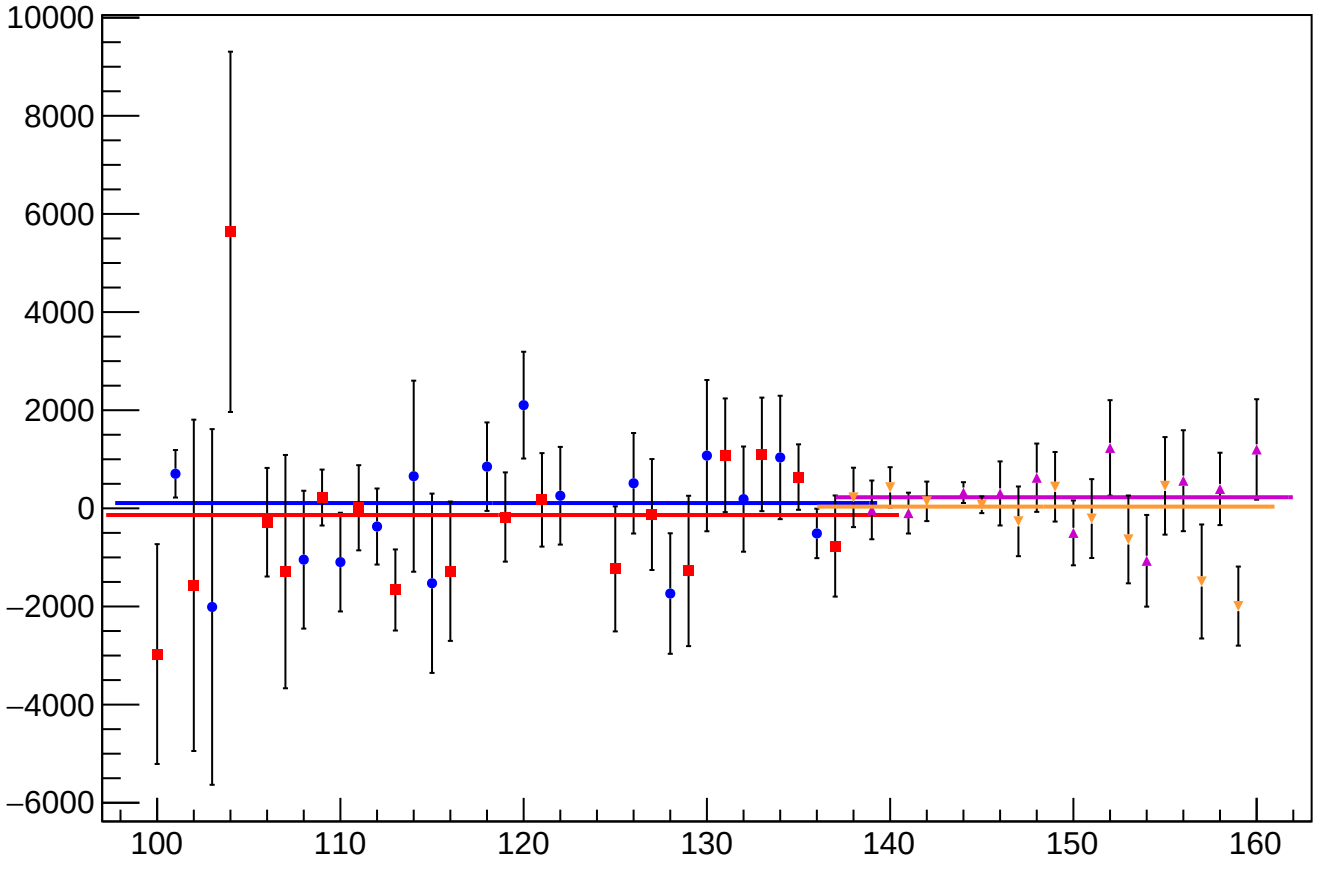
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1794.526+/-0.313 χ^2/NDF:745054.2/26

Out: 1808.737+/-0.323 χ^2/NDF:429876.4/28

All: 1801.411+/-0.225 χ^2/NDF: 1175928.9/55

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.105+/-129.780 χ^2/NDF:10.5/10

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 226.366+/-151.813 χ^2/NDF:6.6/10

Left: 115.862+/-98.647 χ^2/NDF: 18.0/21

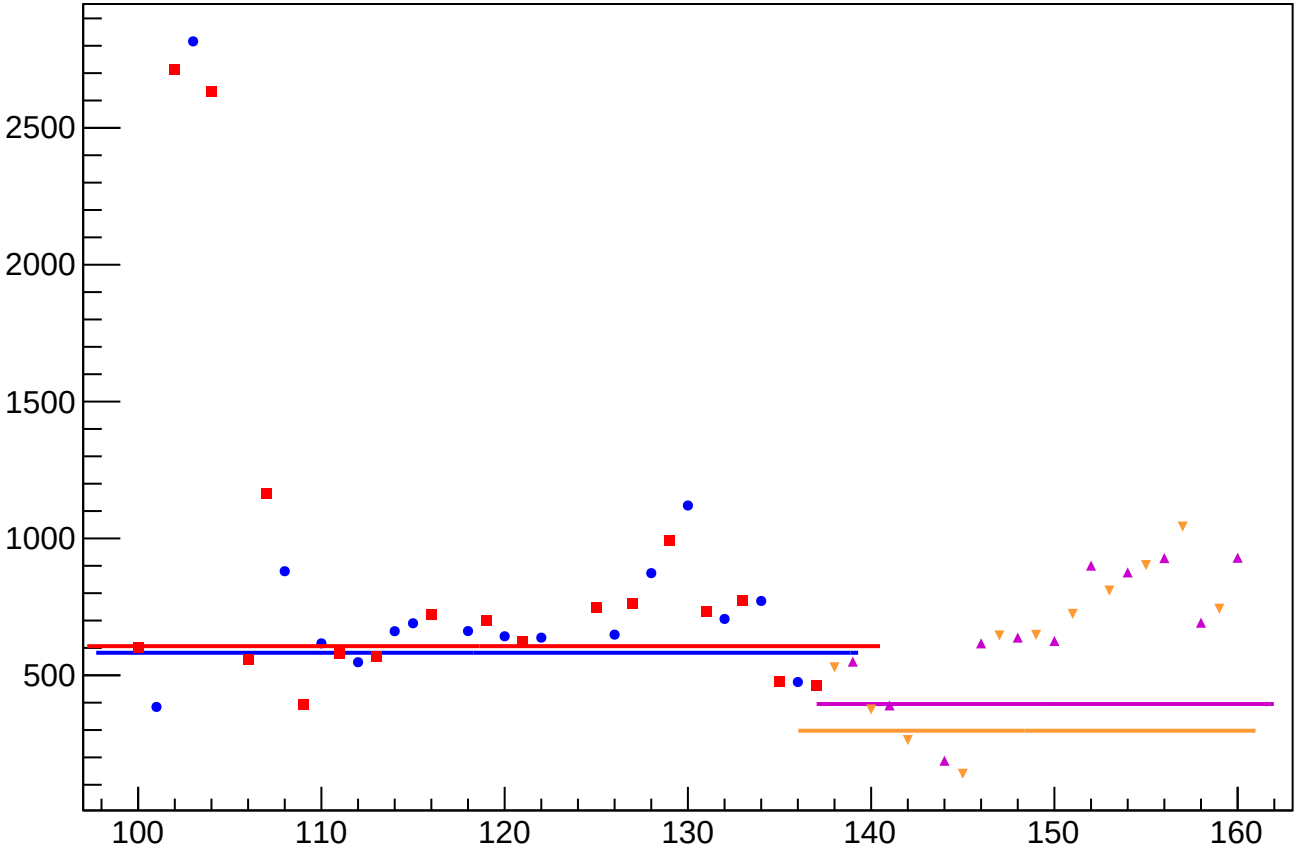
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 190.854+/-126.985 χ^2/NDF:20.9/26

Out: -2.024+/-114.779 χ^2/NDF:25.3/28

All: 84.702+/-85.150 χ^2/NDF: 47.5/55

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: 395.035+/-0.107 χ^2/NDF:5234855.8/10

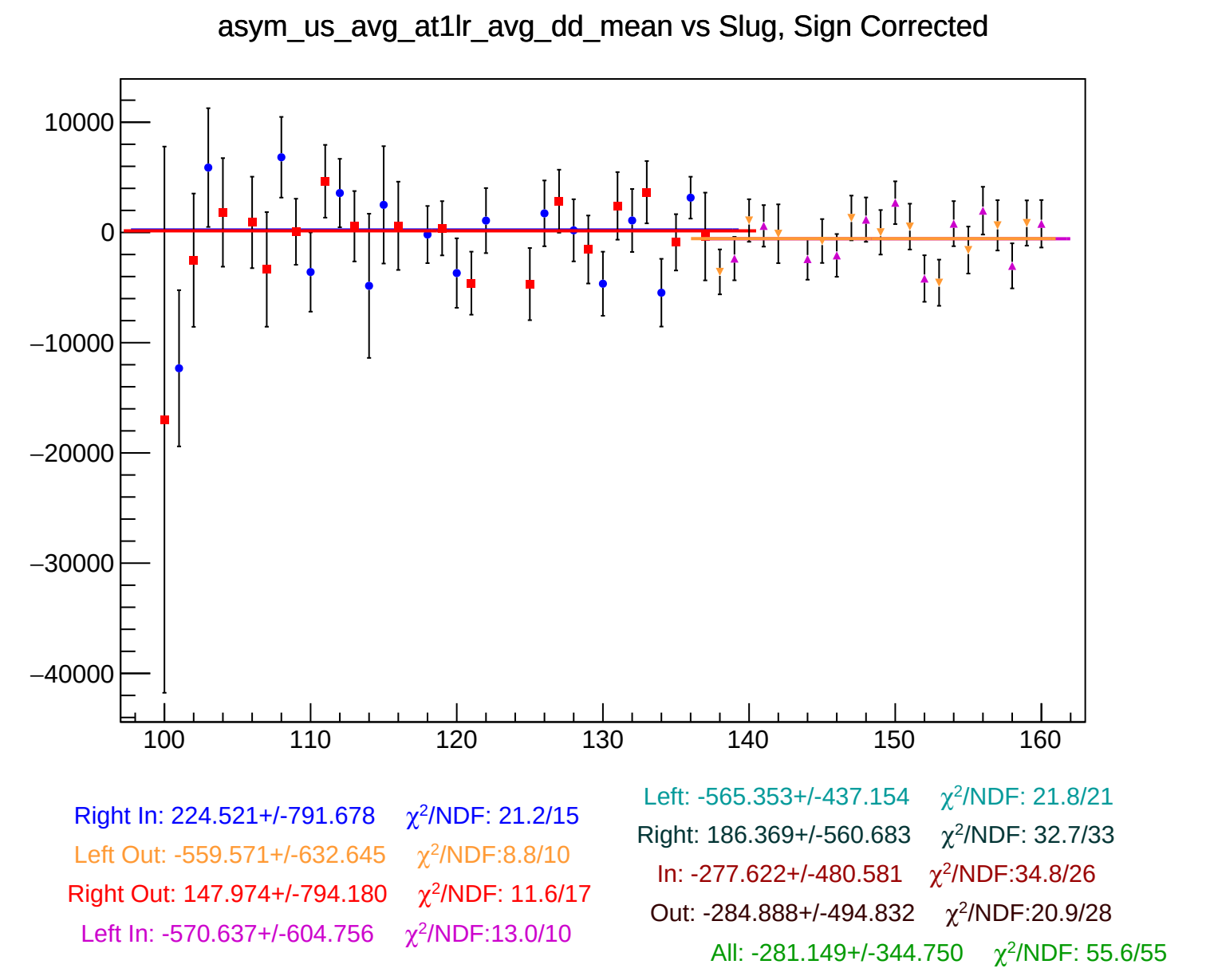
Left: 338.674+/-0.070 χ^2/NDF: 12158881.0/21

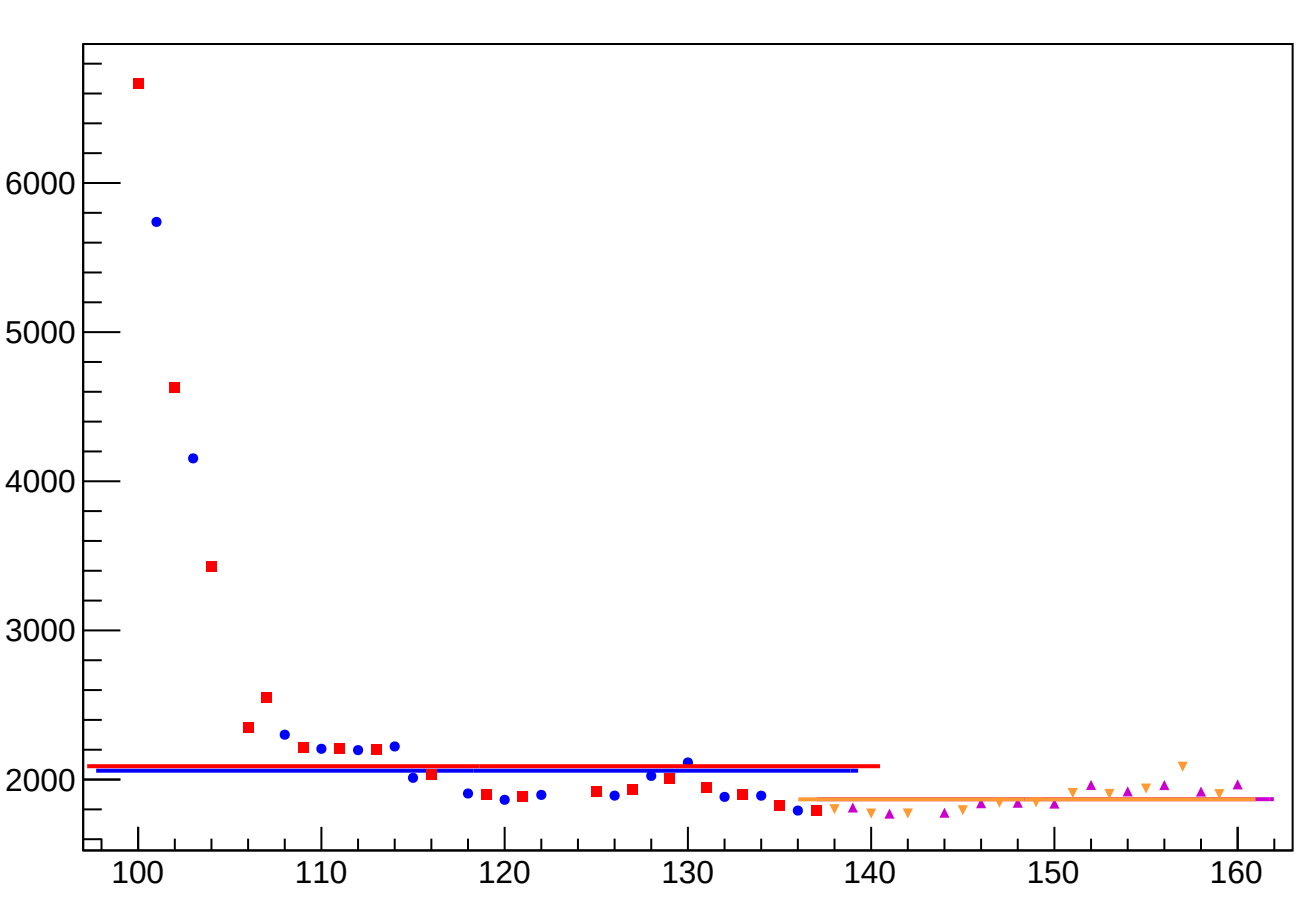
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 451.269+/-0.090 χ^2/NDF:7902824.6/26

Out: 364.783+/-0.081 χ^2/NDF:11114306.9/28

All: 403.670+/-0.060 χ^2/NDF: 19527711.2/55


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: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -559.571+/-632.645 χ²/NDF:8.8/10
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -570.637+/-604.756 χ²/NDF:13.0/10
Left: -565.353+/-437.154 χ²/NDF: 21.8/21
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -277.622+/-480.581 χ²/NDF:34.8/26
Out: -284.888+/-494.832 χ²/NDF:20.9/28
All: -281.149+/-344.750 χ²/NDF: 55.6/55



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: 1868.347+/-0.428 χ^2/NDF:27442.7/10

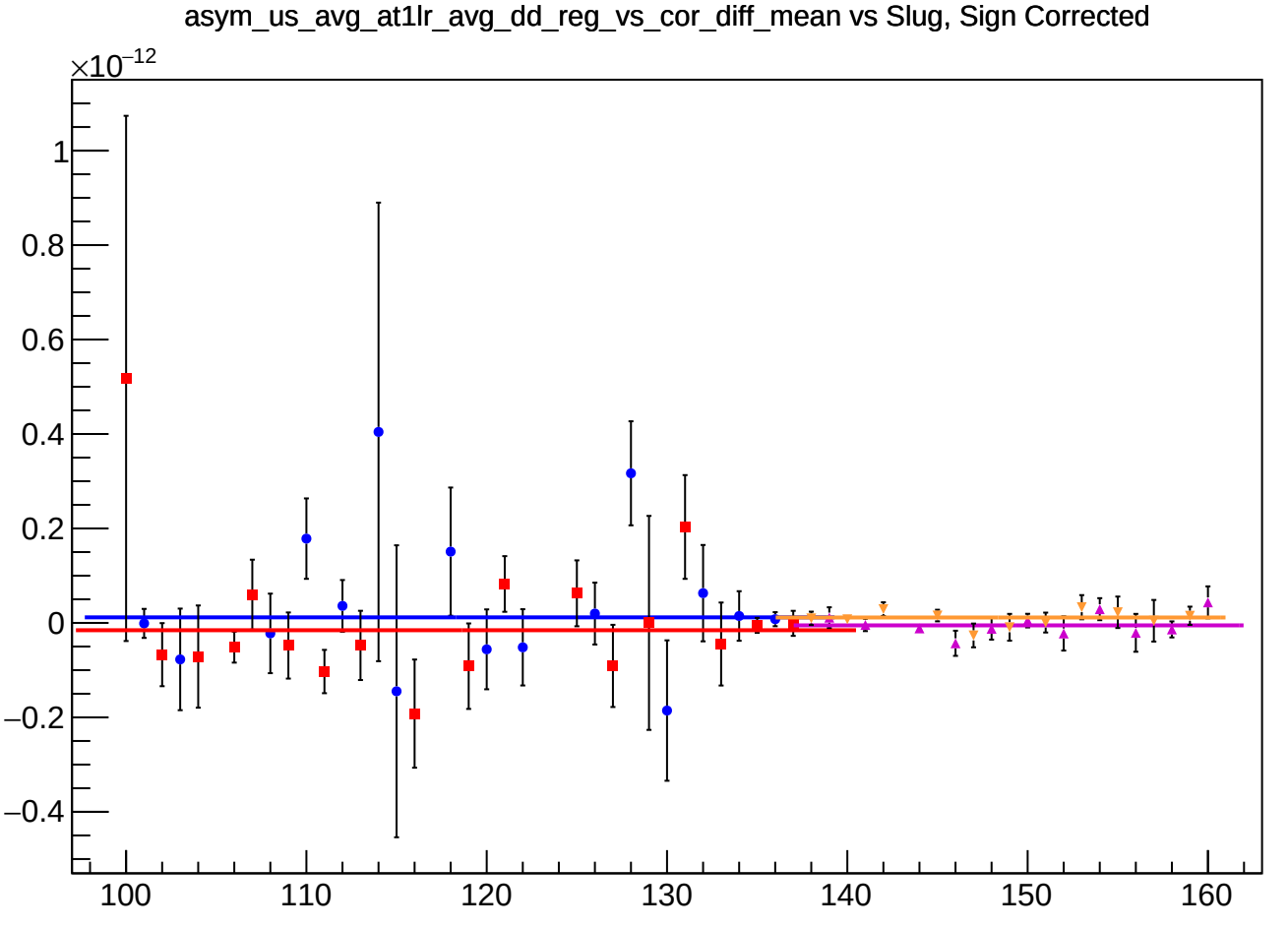
Left: 1867.916+/-0.309 χ^2/NDF: 62779.4/21

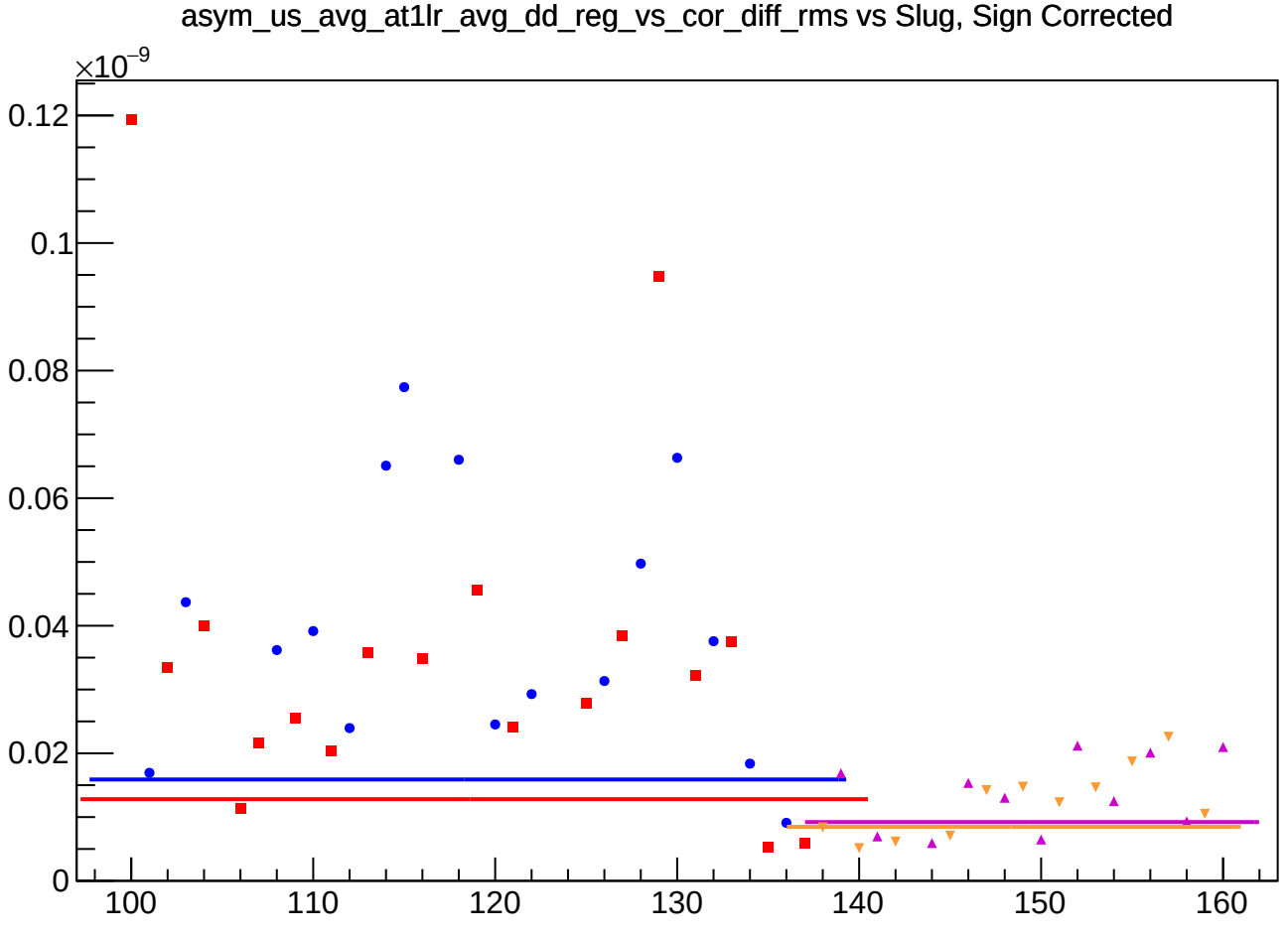
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1938.785+/-0.340 χ^2/NDF:1040945.7/26

Out: 1953.642+/-0.350 χ^2/NDF:812435.9/28

All: 1945.997+/-0.244 χ^2/NDF: 1854309.4/55


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:5.8/10
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:8.5/10
Left: 0.000+/-0.000 χ²/NDF: 19.4/21
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:28.4/26
Out: 0.000+/-0.000 χ²/NDF:31.7/28
All: 0.000+/-0.000 χ²/NDF: 61.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1122256.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1437341.1/10

Left: 0.000+/-0.000 χ^2/NDF: 2579401.1/21

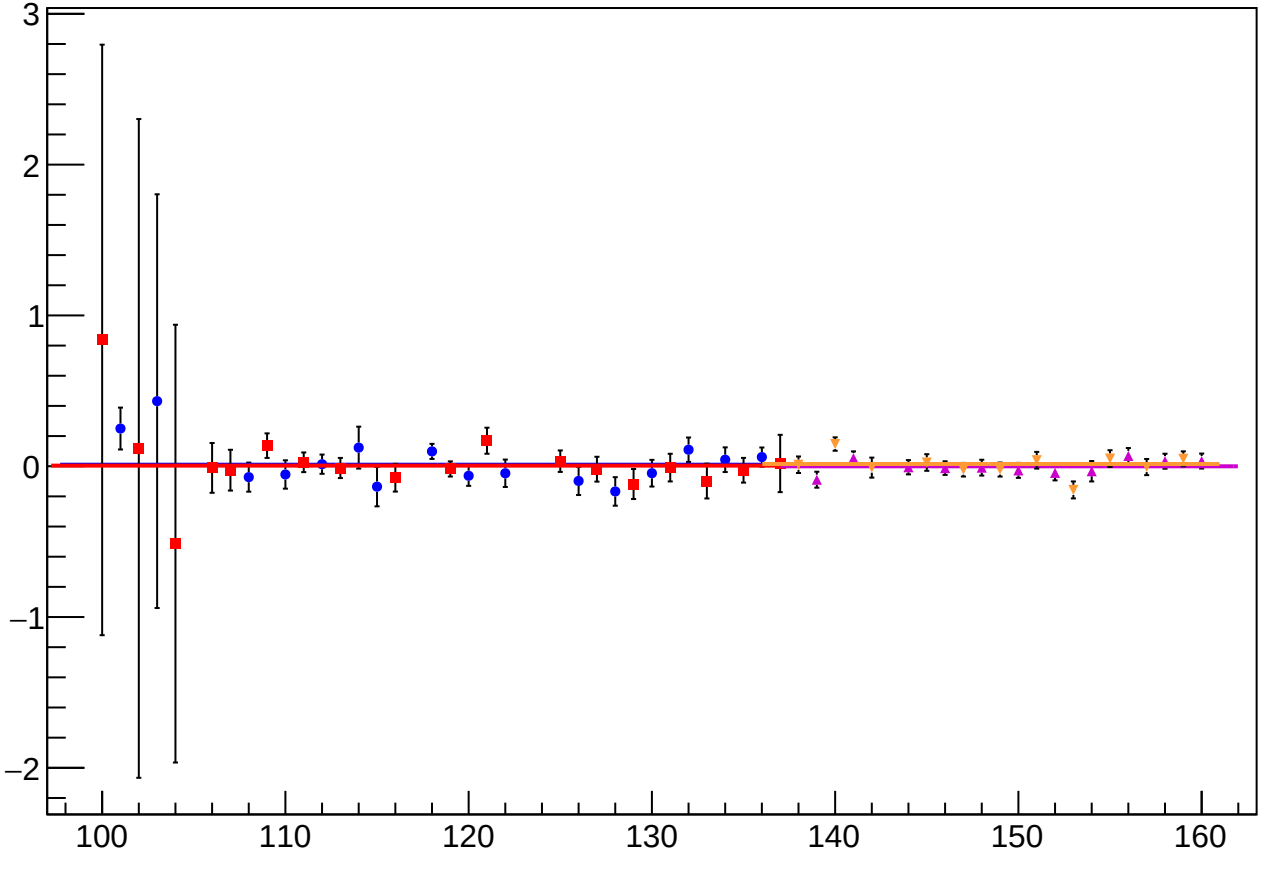
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3922922.0/26

Out: 0.000+/-0.000 χ^2/NDF:3875245.9/28

All: 0.000+/-0.000 χ^2/NDF: 7851072.7/55

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: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.007+/-0.011 χ^2/NDF: 29.7/21

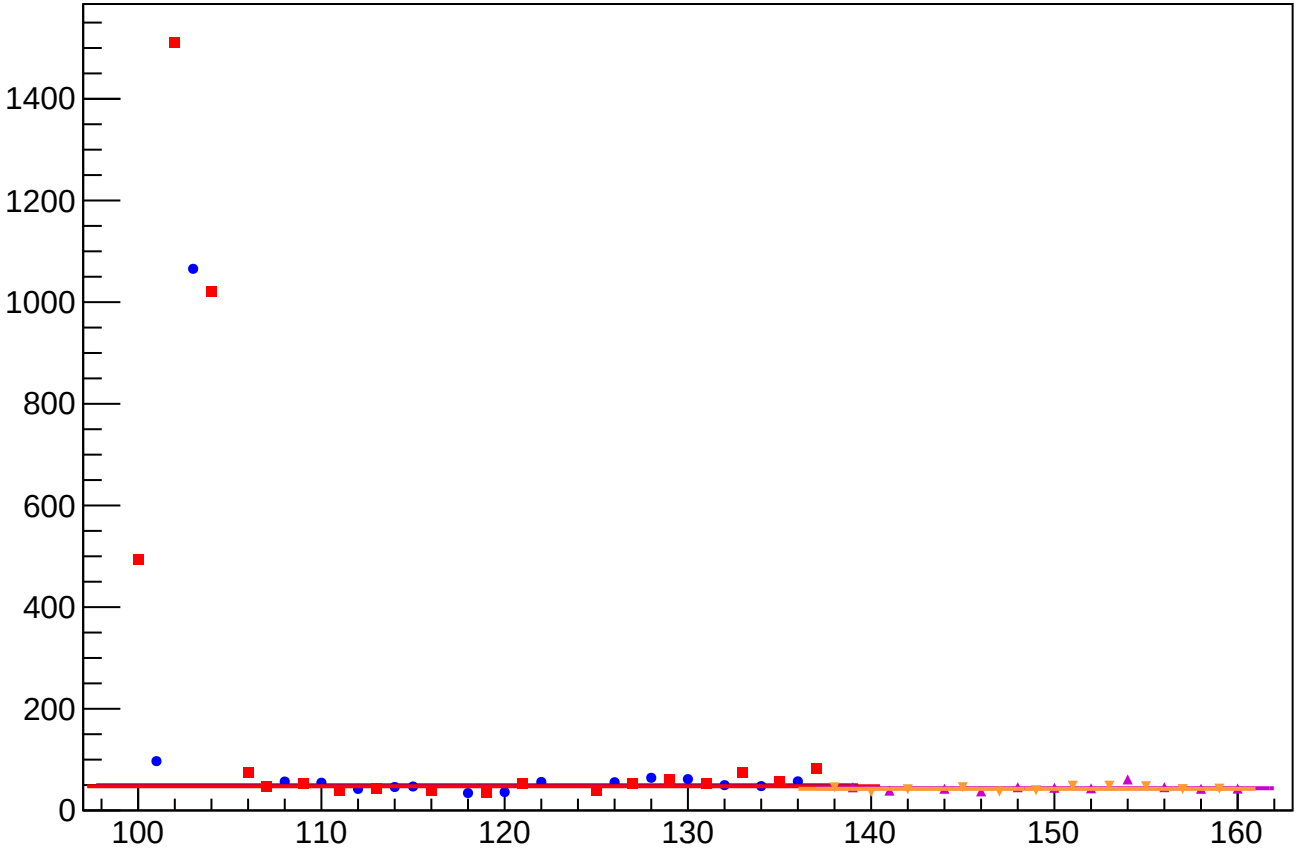
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.007+/-0.009 χ^2/NDF: 58.7/55

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: 43.700+/-0.011 χ^2/NDF:200199.2/10

Left: 43.145+/-0.008 χ^2/NDF: 357154.8/21

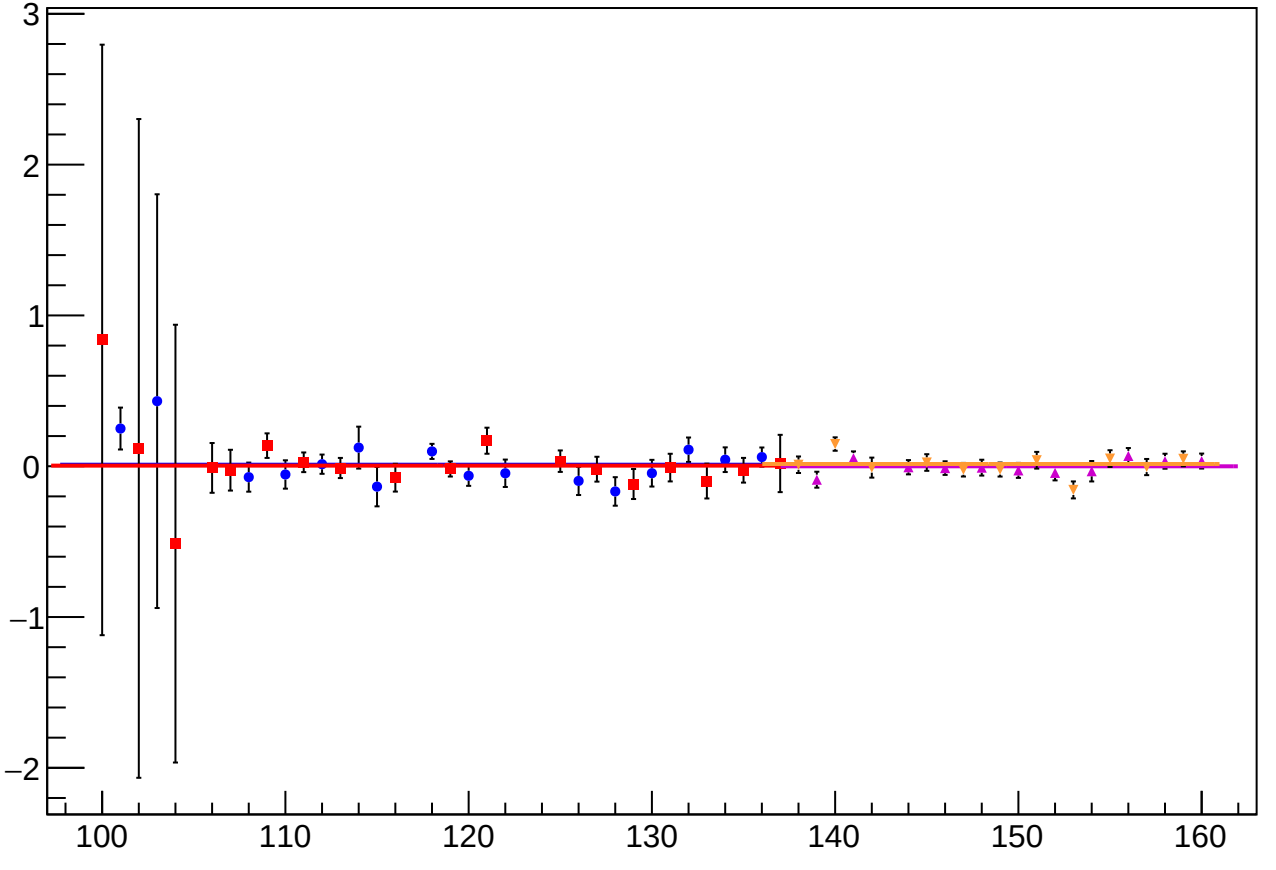
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.636+/-0.009 χ^2/NDF:2072026.3/26

Out: 44.306+/-0.009 χ^2/NDF:2641628.7/28

All: 44.992+/-0.006 χ^2/NDF: 4725016.2/55

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: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.007+/-0.011 χ^2/NDF: 29.7/21

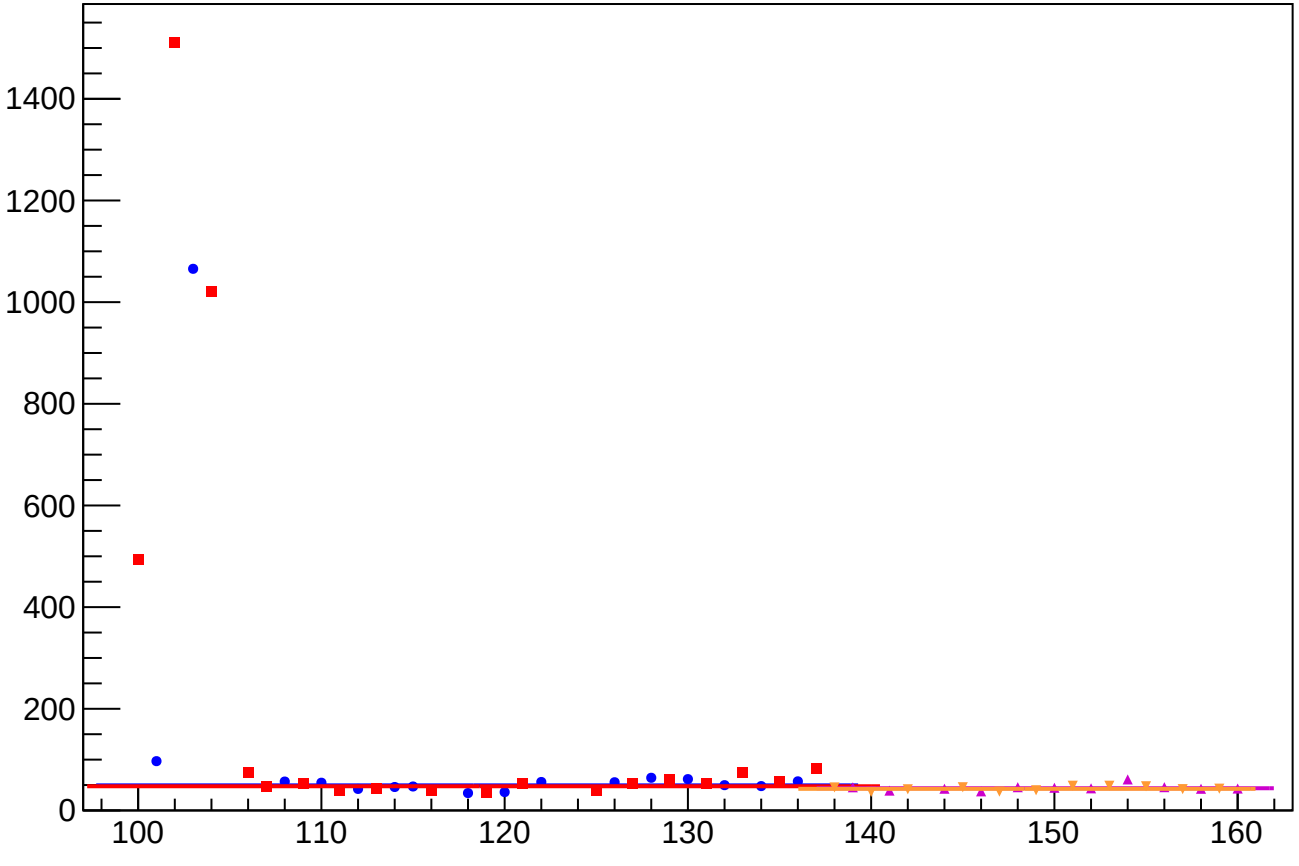
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.007+/-0.009 χ^2/NDF: 58.7/55

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: 43.700+/-0.011 χ^2/NDF:200199.2/10

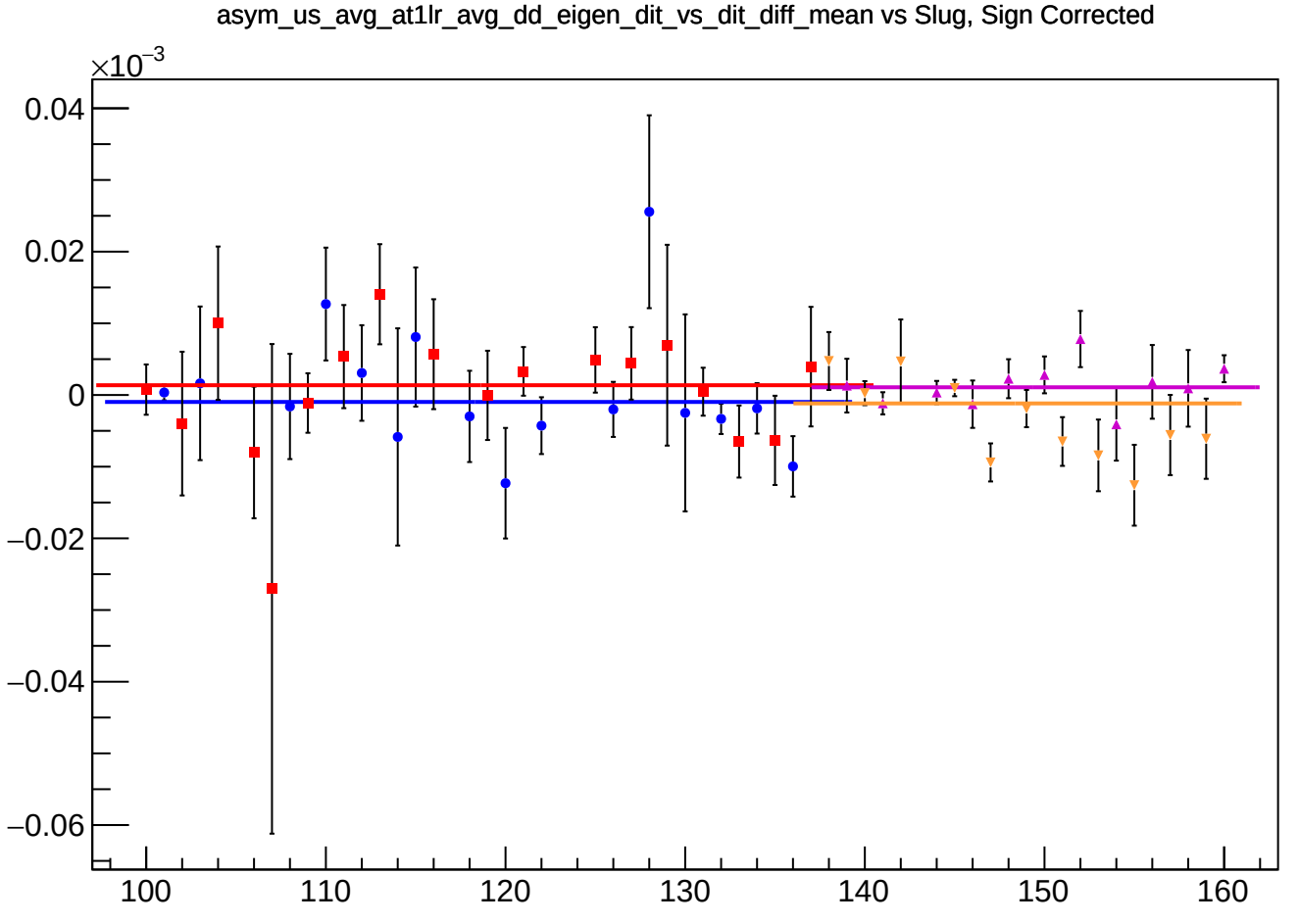
Left: 43.145+/-0.008 χ^2/NDF: 357154.8/21

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.636+/-0.009 χ^2/NDF:2072026.3/26

Out: 44.306+/-0.009 χ^2/NDF:2641628.7/28

All: 44.992+/-0.006 χ^2/NDF: 4725016.2/55



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:9.3/10

Left: -0.000+/-0.000 χ^2/NDF: 40.8/21

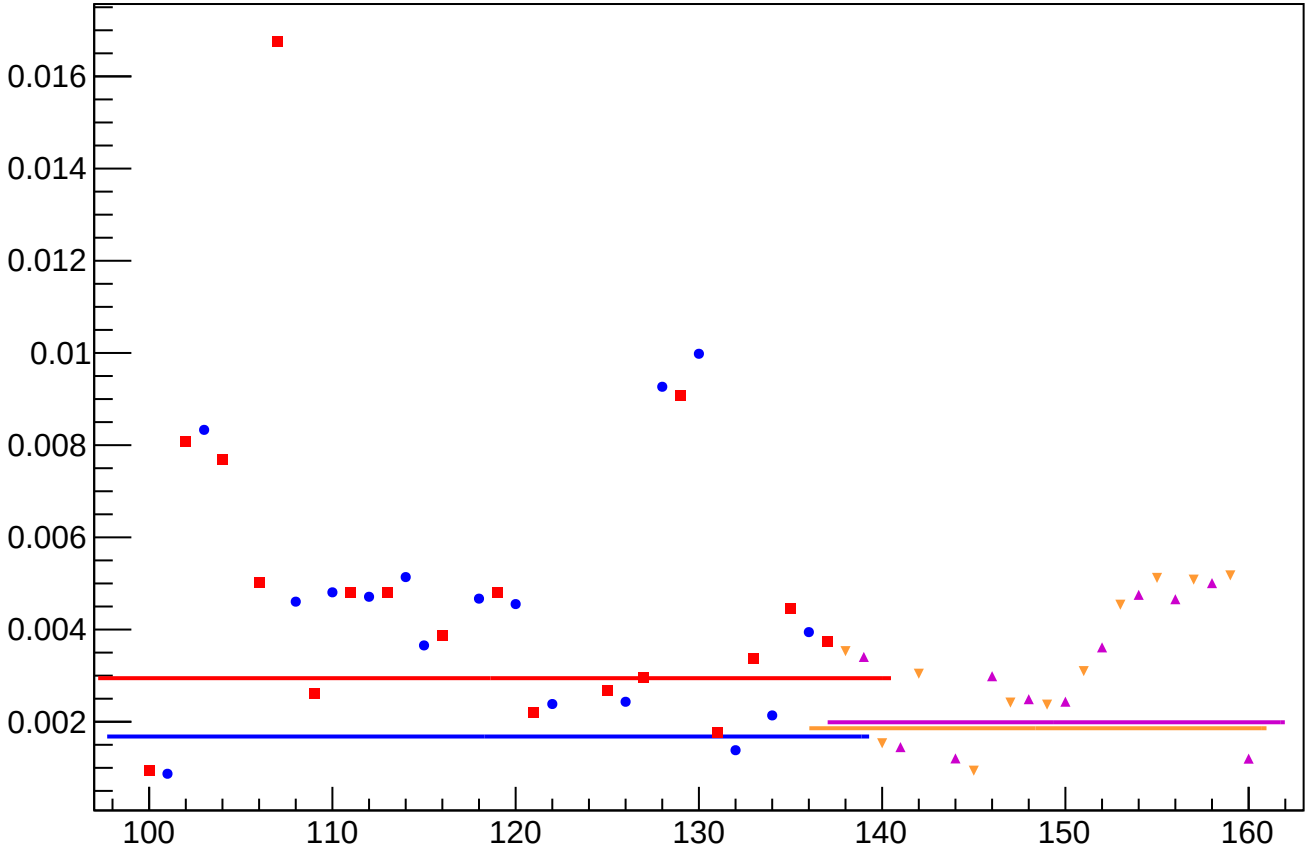
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:31.3/26

Out: -0.000+/-0.000 χ^2/NDF:42.6/28

All: -0.000+/-0.000 χ^2/NDF: 74.5/55

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:3774738.6/10

Left: 0.002+/-0.000 χ^2/NDF: 8633412.3/21

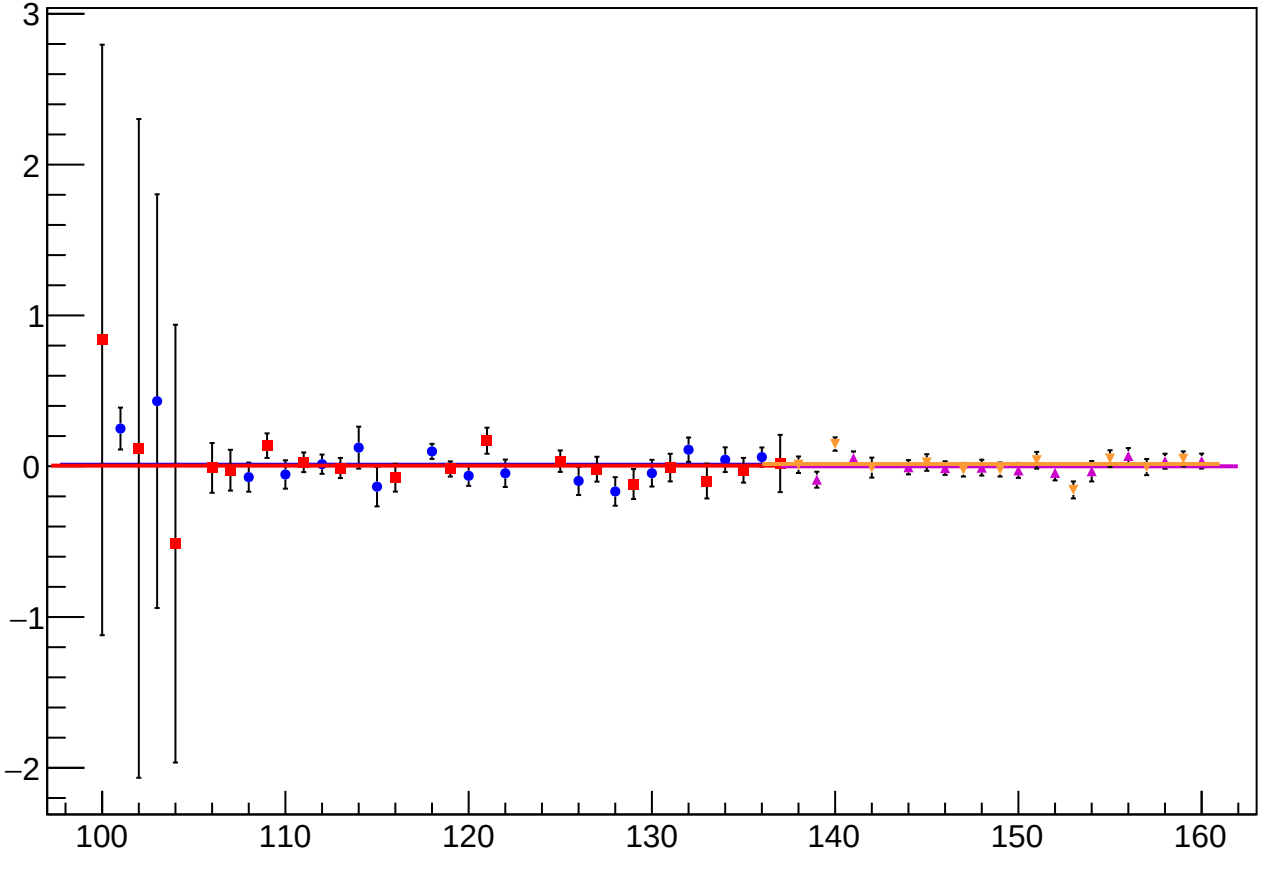
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:9884799.6/26

Out: 0.002+/-0.000 χ^2/NDF:9260959.4/28

All: 0.002+/-0.000 χ^2/NDF: 19376832.4/55

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: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.007+/-0.011 χ^2/NDF: 29.7/21

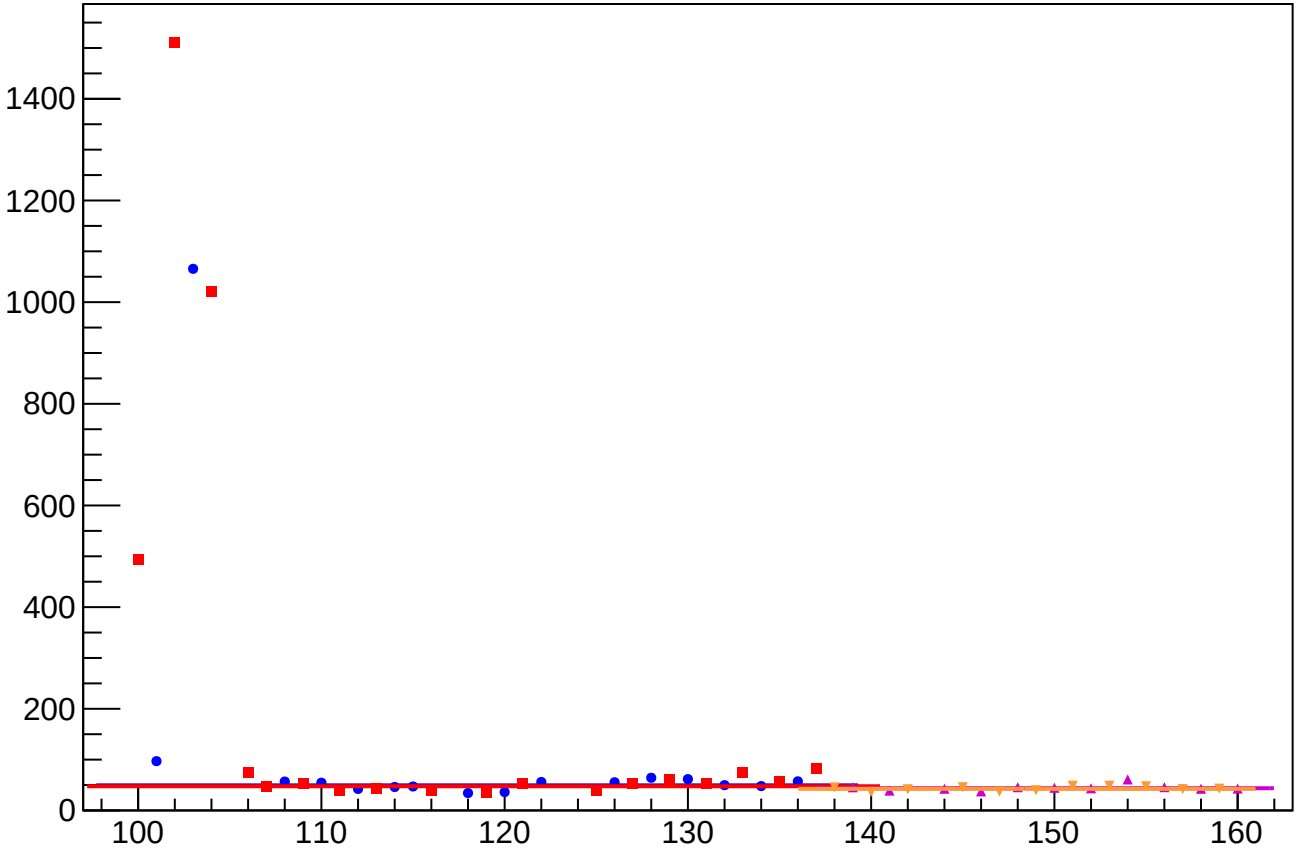
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.007+/-0.009 χ^2/NDF: 58.7/55

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: 43.699+/-0.011 χ^2/NDF:200246.3/10

Left: 43.145+/-0.008 χ^2/NDF: 357211.9/21

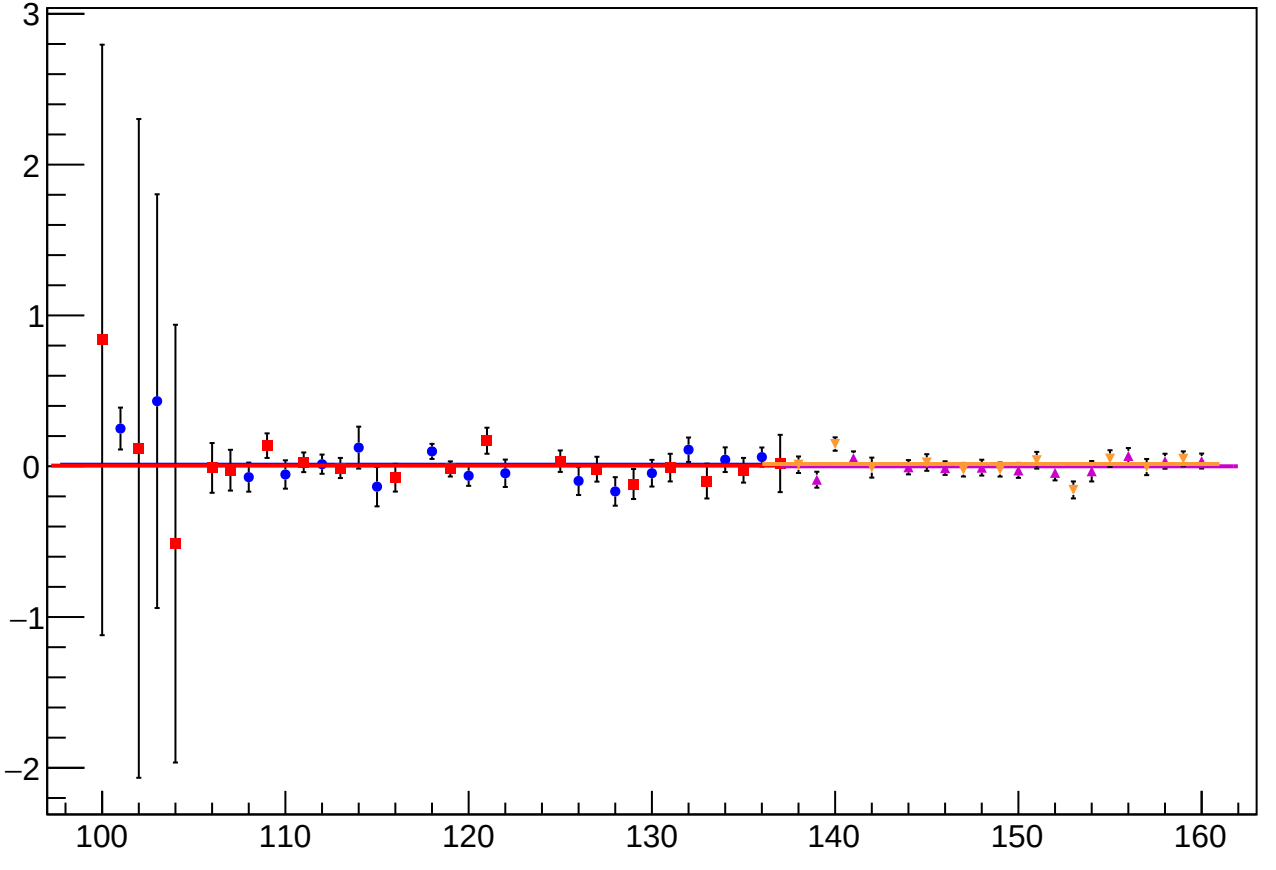
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.636+/-0.009 χ^2/NDF:2072029.2/26

Out: 44.306+/-0.009 χ^2/NDF:2641648.1/28

All: 44.991+/-0.006 χ^2/NDF: 4725036.3/55

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: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.007+/-0.011 χ^2/NDF: 29.7/21

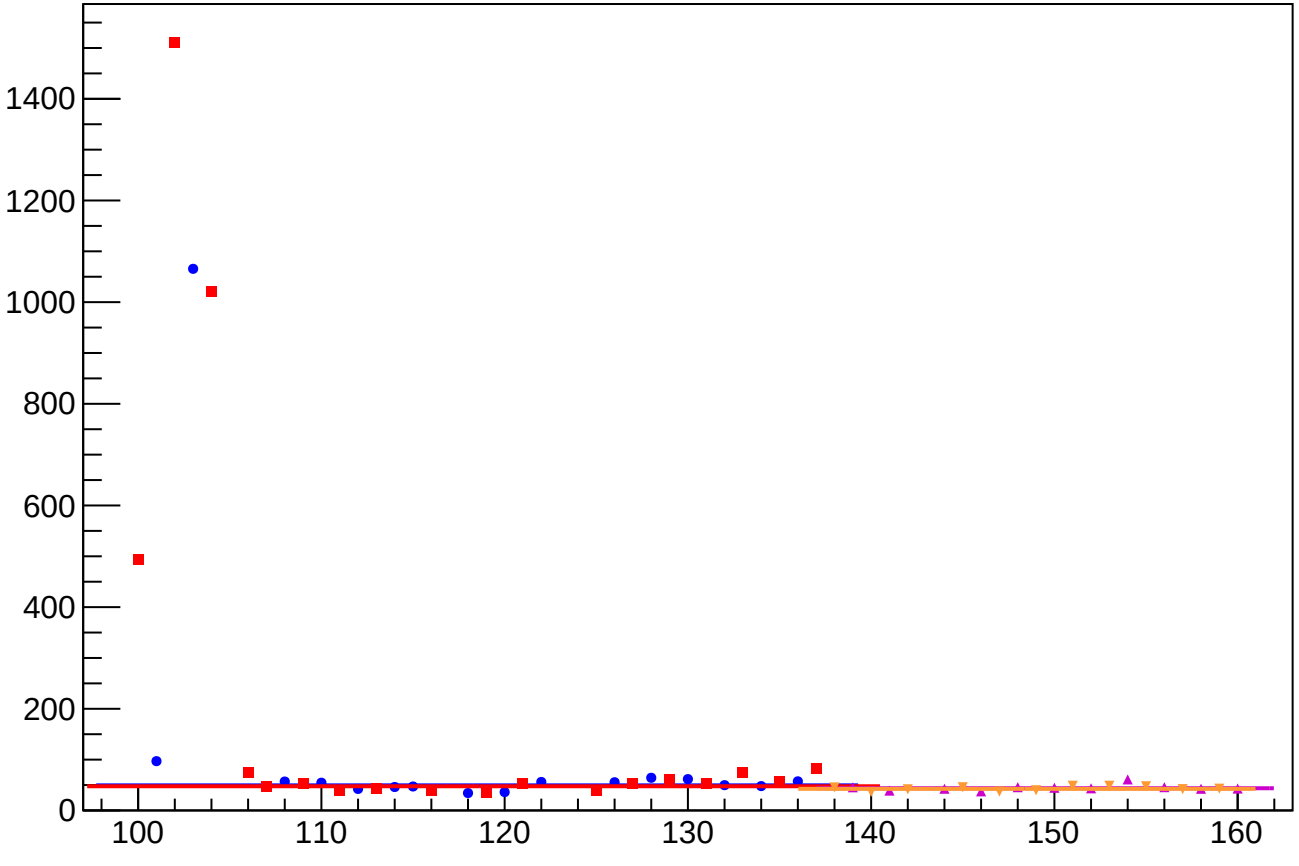
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.011+/-0.013 χ^2/NDF:31.5/28

All: 0.007+/-0.009 χ^2/NDF: 58.7/55

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: 43.699+/-0.011 χ^2/NDF:200246.3/10

Left: 43.145+/-0.008 χ^2/NDF: 357211.9/21

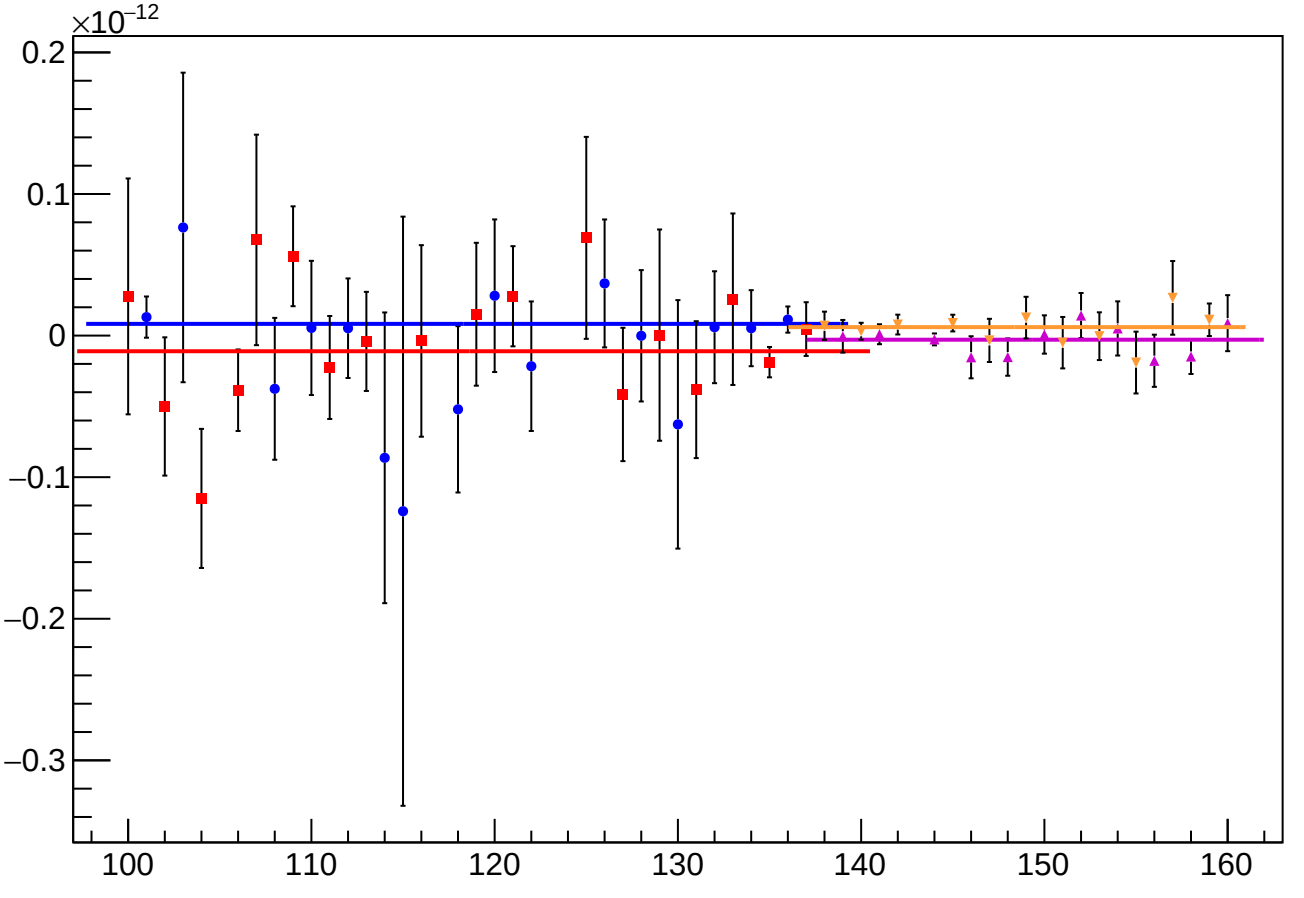
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.636+/-0.009 χ^2/NDF:2072029.2/26

Out: 44.306+/-0.009 χ^2/NDF:2641648.1/28

All: 44.991+/-0.006 χ^2/NDF: 4725036.3/55

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:5.2/10

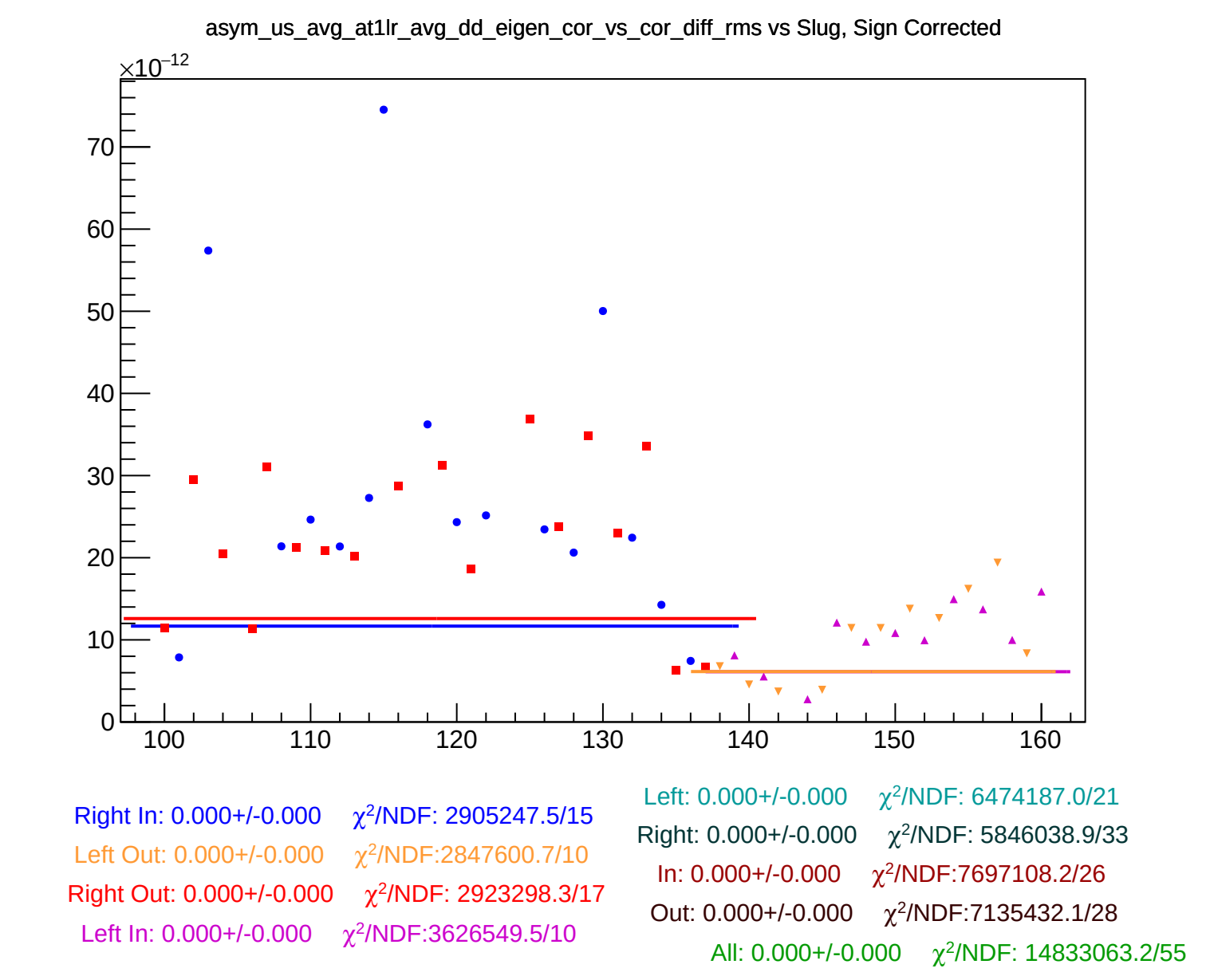
Left: 0.000+/-0.000 χ^2/NDF: 13.6/21

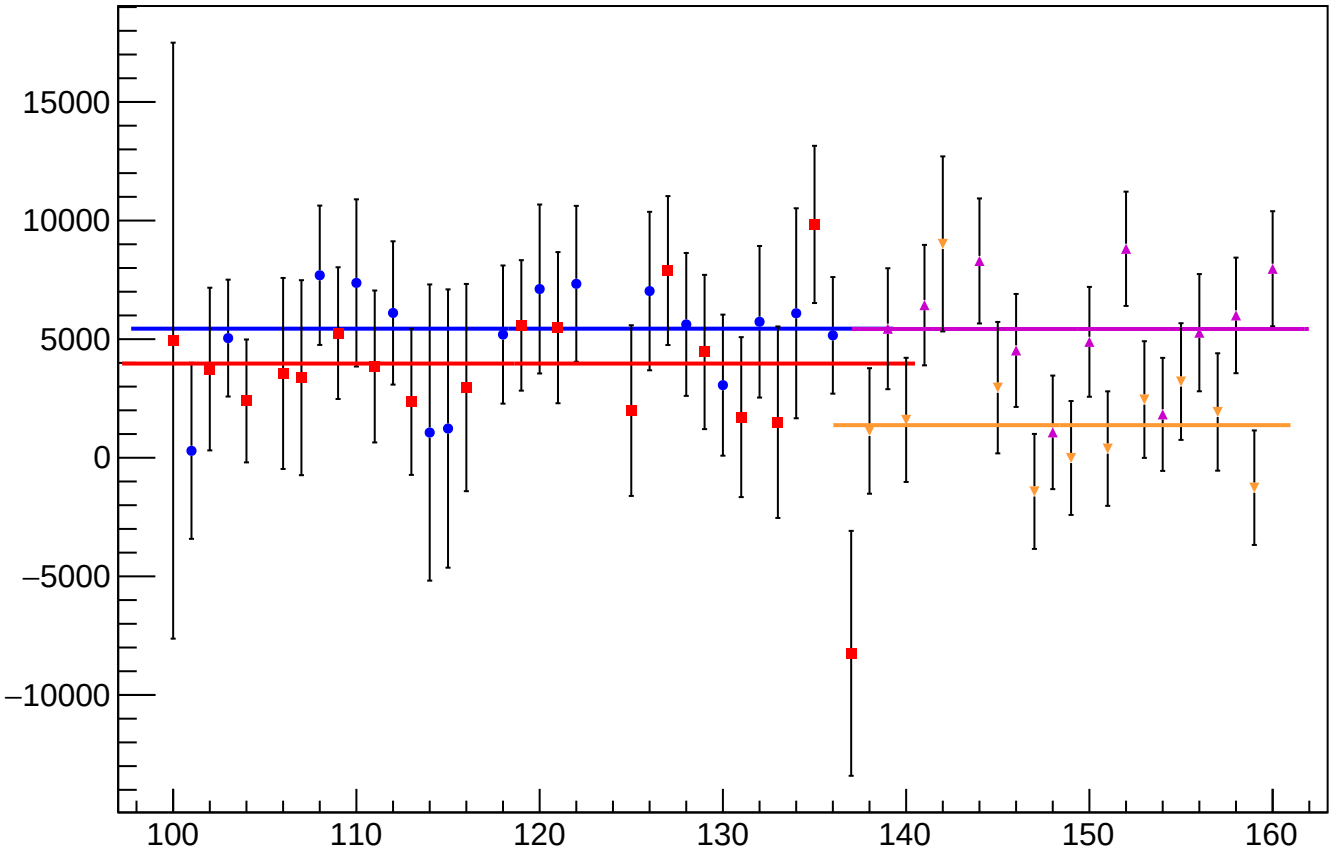
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:13.0/26

Out: 0.000+/-0.000 χ^2/NDF:24.7/28

All: 0.000+/-0.000 χ^2/NDF: 39.3/55


asym_us_avg_at1lr_avg_dd_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: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2847600.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:3626549.5/10
Left: 0.000+/-0.000 χ²/NDF: 6474187.0/21
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:7697108.2/26
Out: 0.000+/-0.000 χ²/NDF:7135432.1/28
All: 0.000+/-0.000 χ²/NDF: 14833063.2/55



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: 5429.408+/-737.060 χ^2/NDF:10.3/10

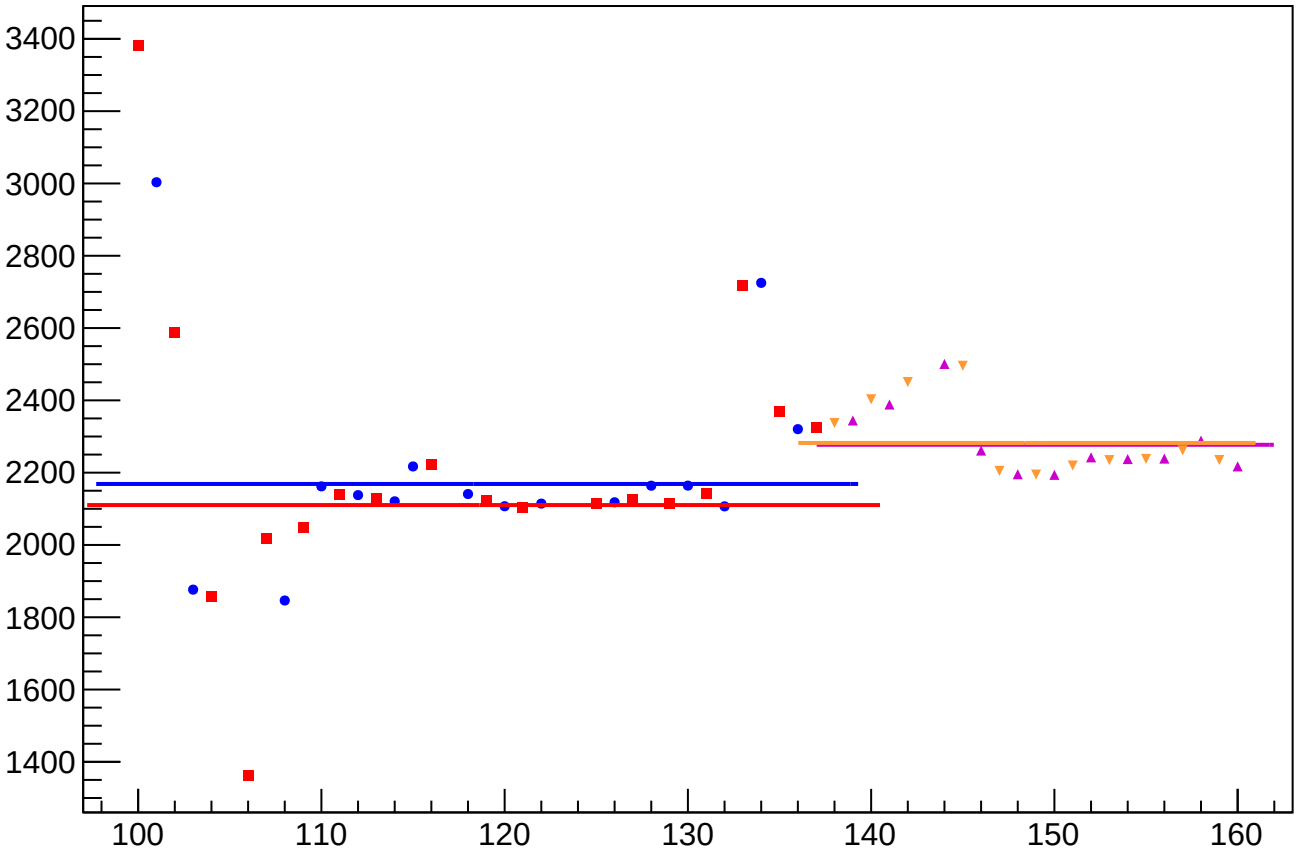
Left: 3498.583+/-533.433 χ^2/NDF: 33.1/21

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5435.244+/-545.917 χ^2/NDF:15.6/26

Out: 2614.201+/-558.894 χ^2/NDF:26.8/28

All: 4057.852+/-390.529 χ^2/NDF: 55.5/55



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2282.188+/-0.547 χ^2/NDF:29506.8/10

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

Left: 2279.502+/-0.377 χ^2/NDF: 56878.7/21

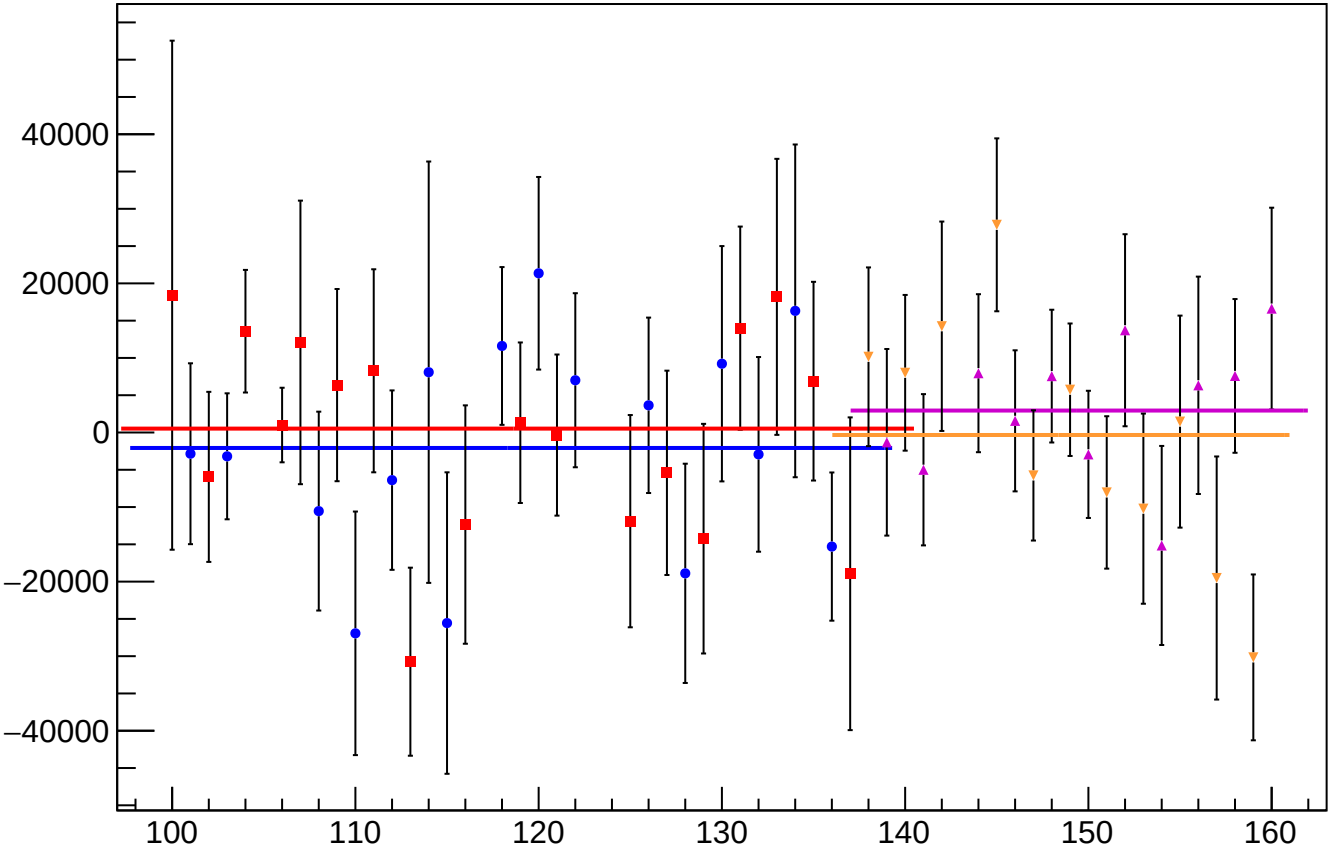
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2228.152+/-0.386 χ^2/NDF:242493.2/26

Out: 2198.814+/-0.392 χ^2/NDF:344870.3/28

All: 2213.714+/-0.275 χ^2/NDF: 590206.0/55

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: 2943.604+/-3265.695 χ^2/NDF:5.5/10

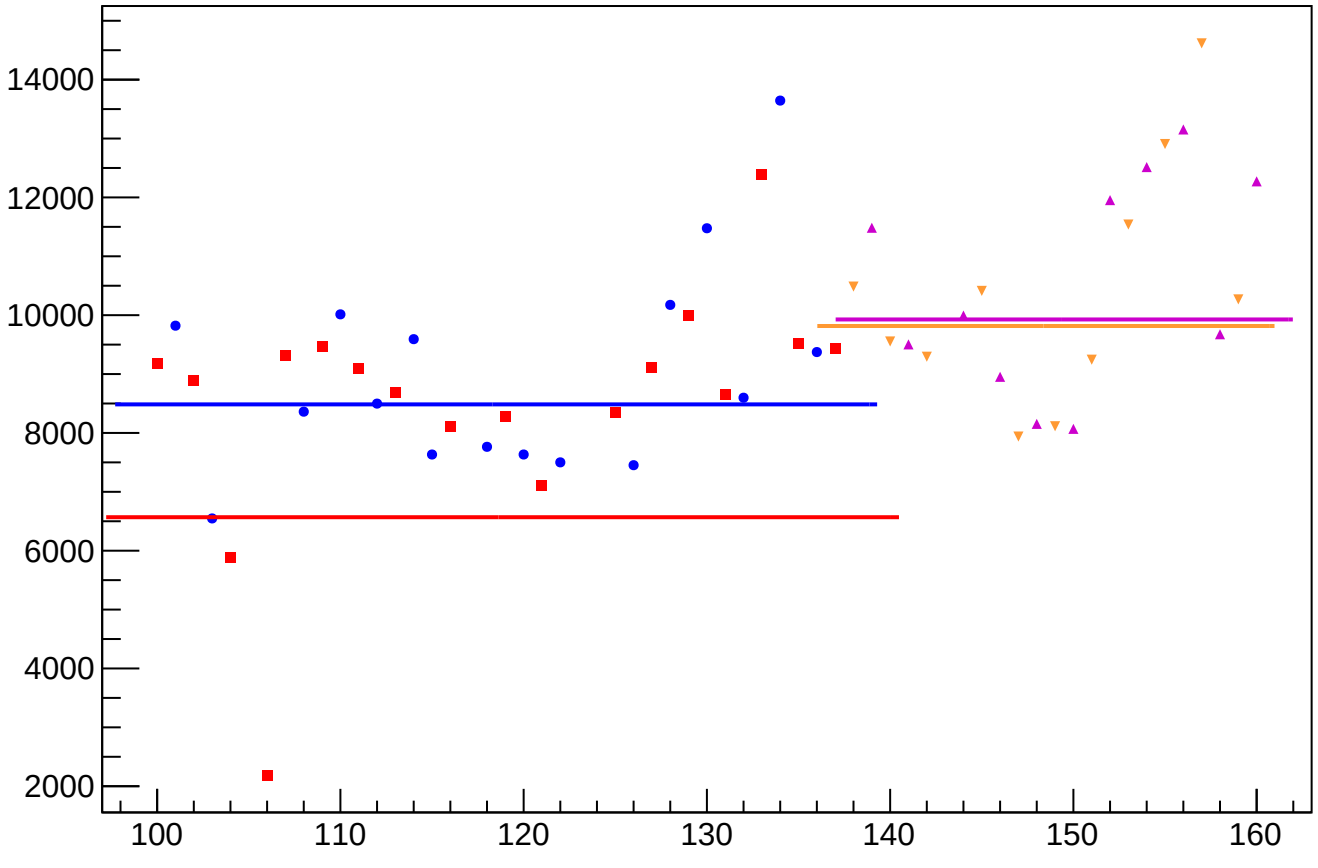
Left: 1366.657+/-2352.452 χ^2/NDF: 25.0/21

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 392.857+/-2290.008 χ^2/NDF:21.2/26

Out: 187.178+/-2119.817 χ^2/NDF:34.7/28

All: 282.092+/-1555.628 χ^2/NDF: 55.9/55



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: 9927.329+/-2.309 χ^2/NDF:513940.0/10

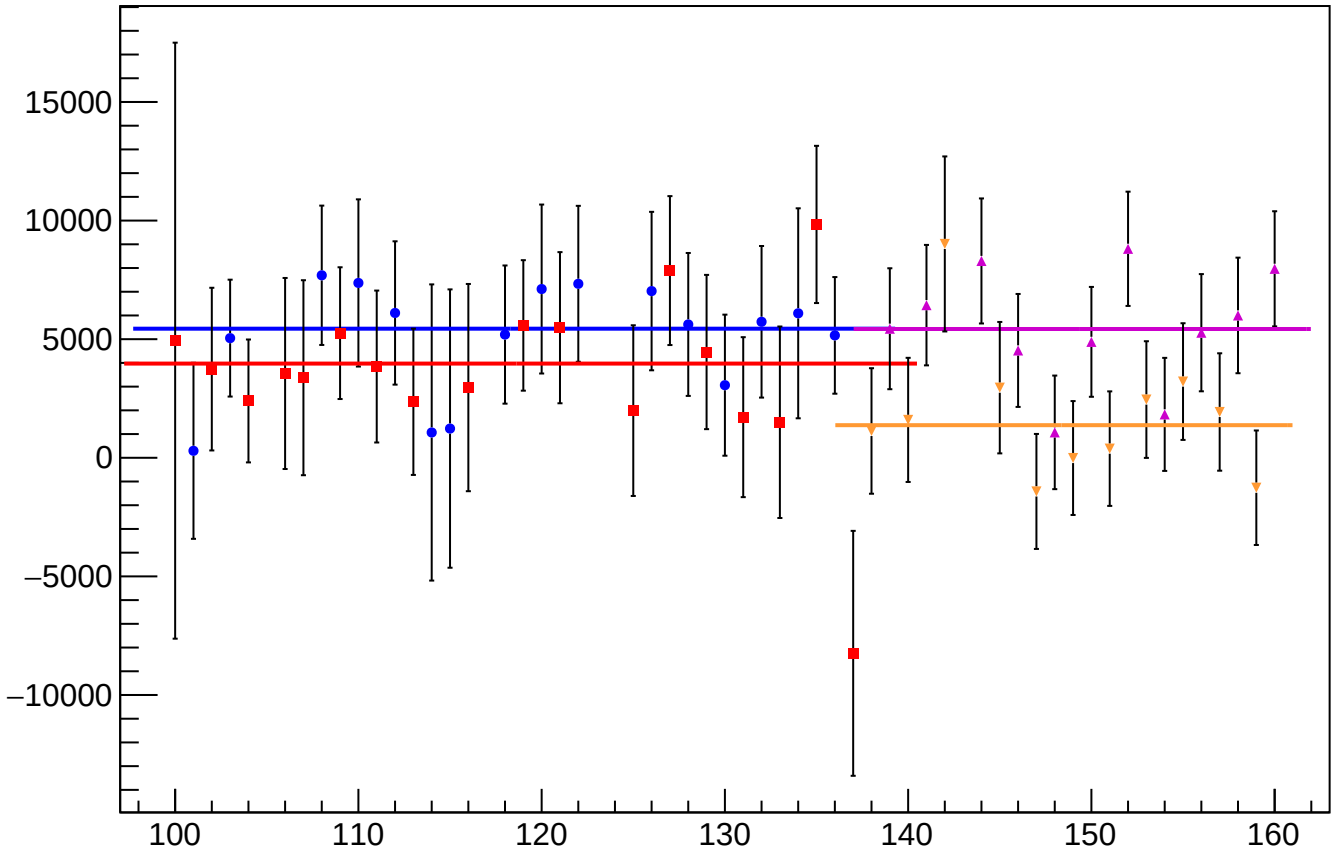
Left: 9873.801+/-1.663 χ^2/NDF: 1010508.8/21

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9194.230+/-1.619 χ^2/NDF:1134938.5/26

Out: 7837.277+/-1.499 χ^2/NDF:4181576.3/28

All: 8463.462+/-1.100 χ^2/NDF: 5694696.5/55



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: 5429.548+/-737.060 χ^2/NDF:10.3/10

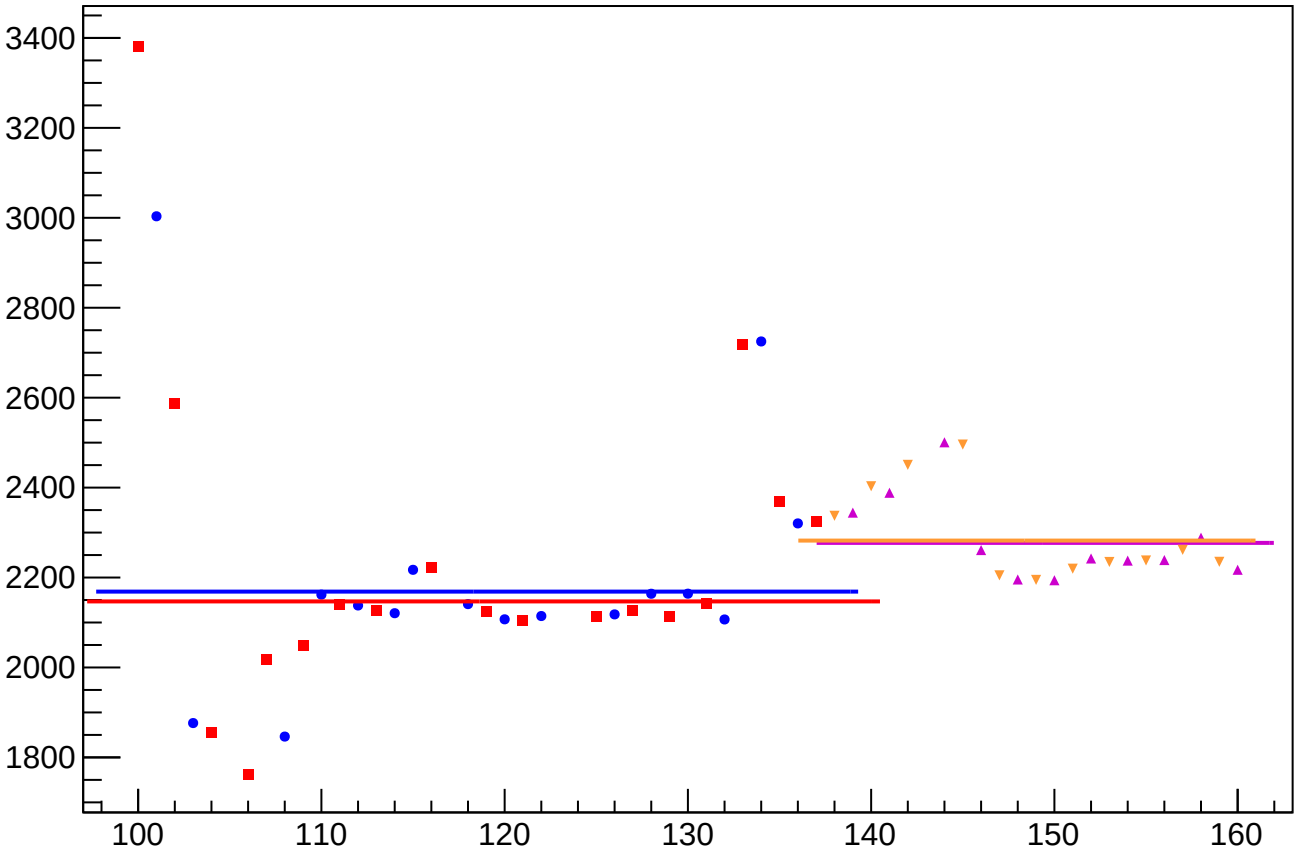
Left: 3498.587+/-533.433 χ^2/NDF: 33.1/21

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5435.385+/-545.917 χ^2/NDF:15.6/26

Out: 2614.002+/-558.894 χ^2/NDF:26.8/28

All: 4057.827+/-390.529 χ^2/NDF: 55.5/55



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: 2277.060+/-0.521 χ^2/NDF:27325.8/10

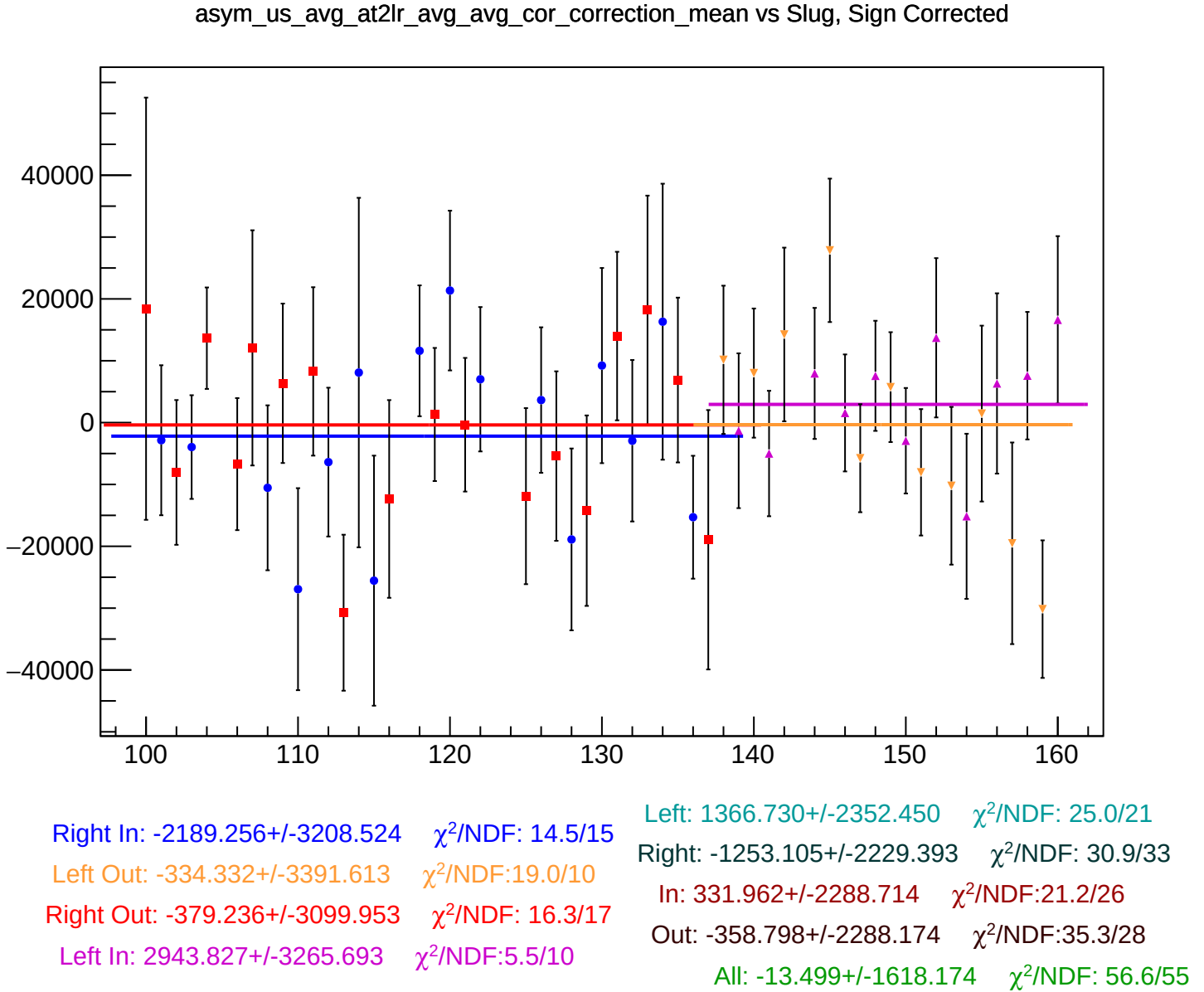
Left: 2279.502+/-0.377 χ^2/NDF: 56878.7/21

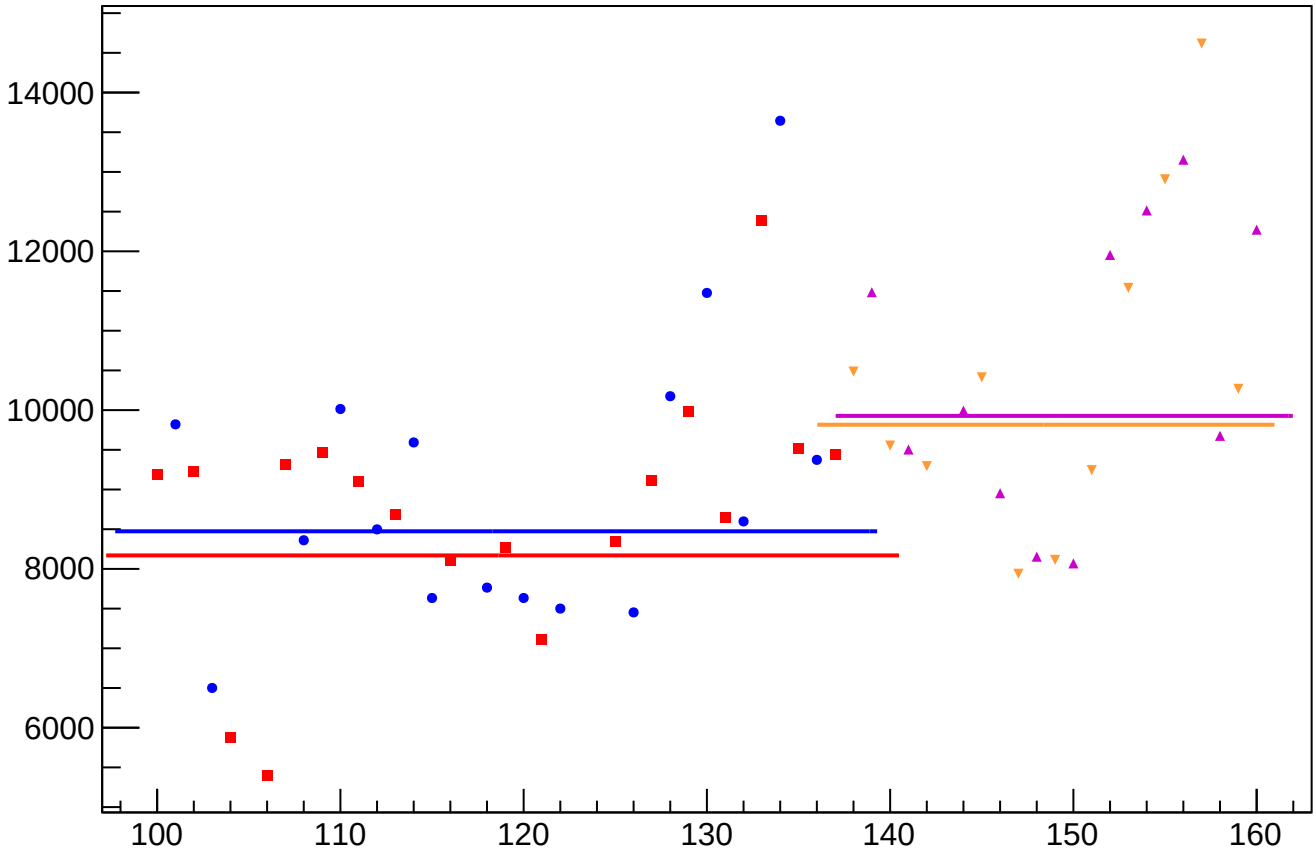
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.152+/-0.386 χ^2/NDF:242493.6/26

Out: 2217.281+/-0.394 χ^2/NDF:216651.8/28

All: 2222.832+/-0.276 χ^2/NDF: 459533.6/55


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -334.332+/-3391.613 χ²/NDF:19.0/10
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2943.827+/-3265.693 χ²/NDF:5.5/10
Left: 1366.730+/-2352.450 χ²/NDF: 25.0/21
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 331.962+/-2288.714 χ²/NDF:21.2/26
Out: -358.798+/-2288.174 χ²/NDF:35.3/28
All: -13.499+/-1618.174 χ²/NDF: 56.6/55



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: 9927.325+/-2.309 χ^2/NDF:513944.7/10

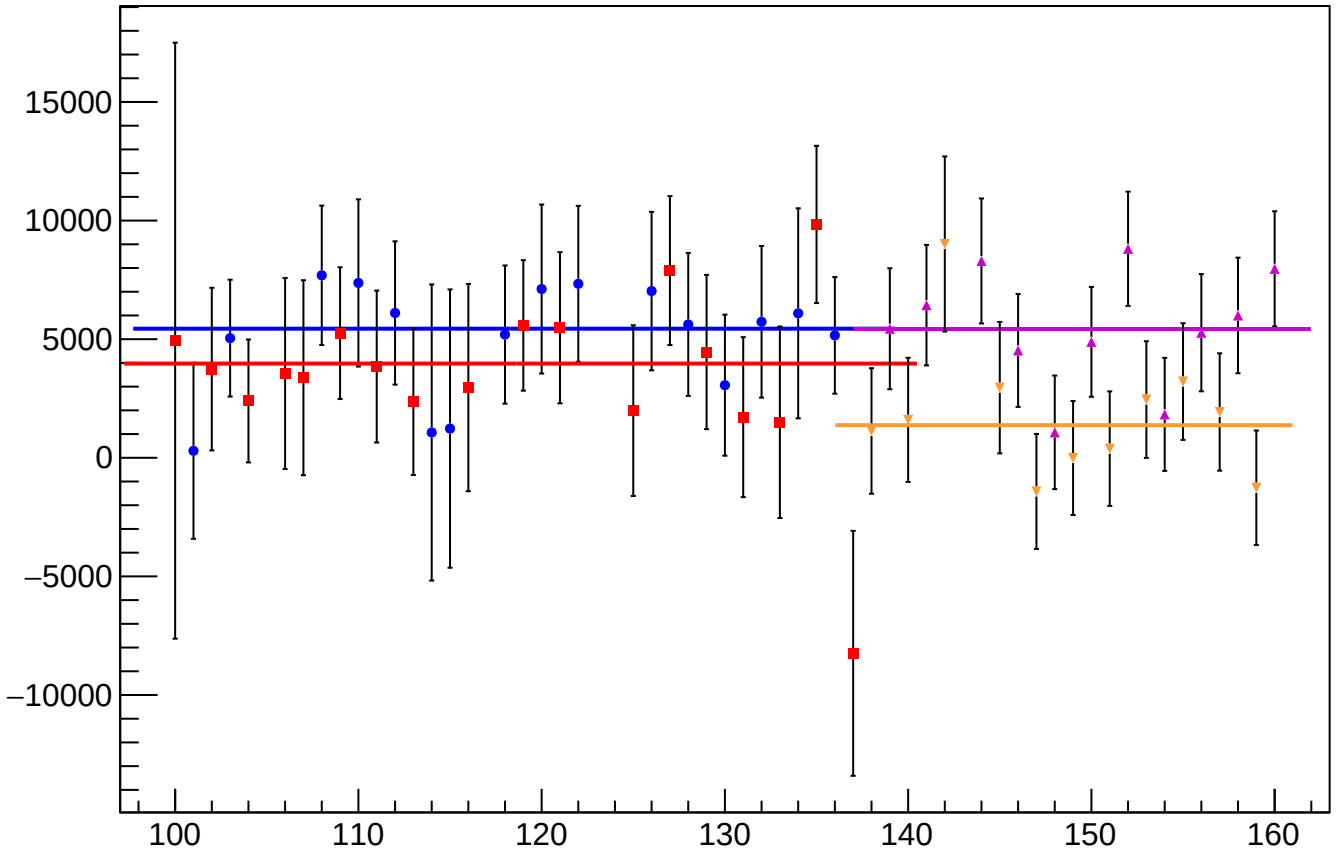
Left: 9873.795+/-1.663 χ^2/NDF: 1010516.7/21

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9187.699+/-1.618 χ^2/NDF:1145110.7/26

Out: 8919.237+/-1.618 χ^2/NDF:1292042.3/28

All: 9053.436+/-1.144 χ^2/NDF: 2450915.2/55



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: 5429.548+/-737.060 χ^2/NDF:10.3/10

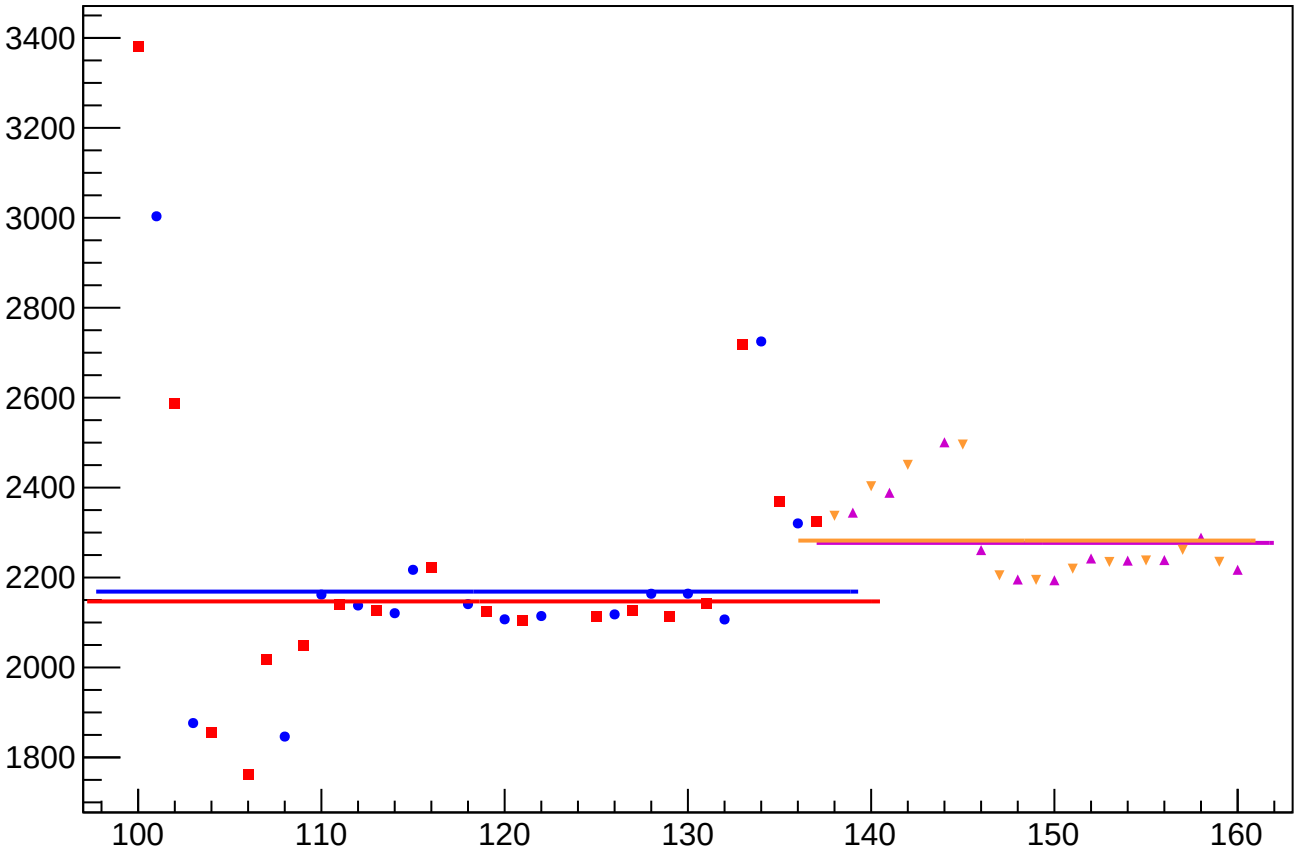
Left: 3498.587+/-533.433 χ^2/NDF: 33.1/21

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5435.385+/-545.917 χ^2/NDF:15.6/26

Out: 2614.002+/-558.894 χ^2/NDF:26.8/28

All: 4057.827+/-390.529 χ^2/NDF: 55.5/55



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: 2277.060+/-0.521 χ^2/NDF:27325.8/10

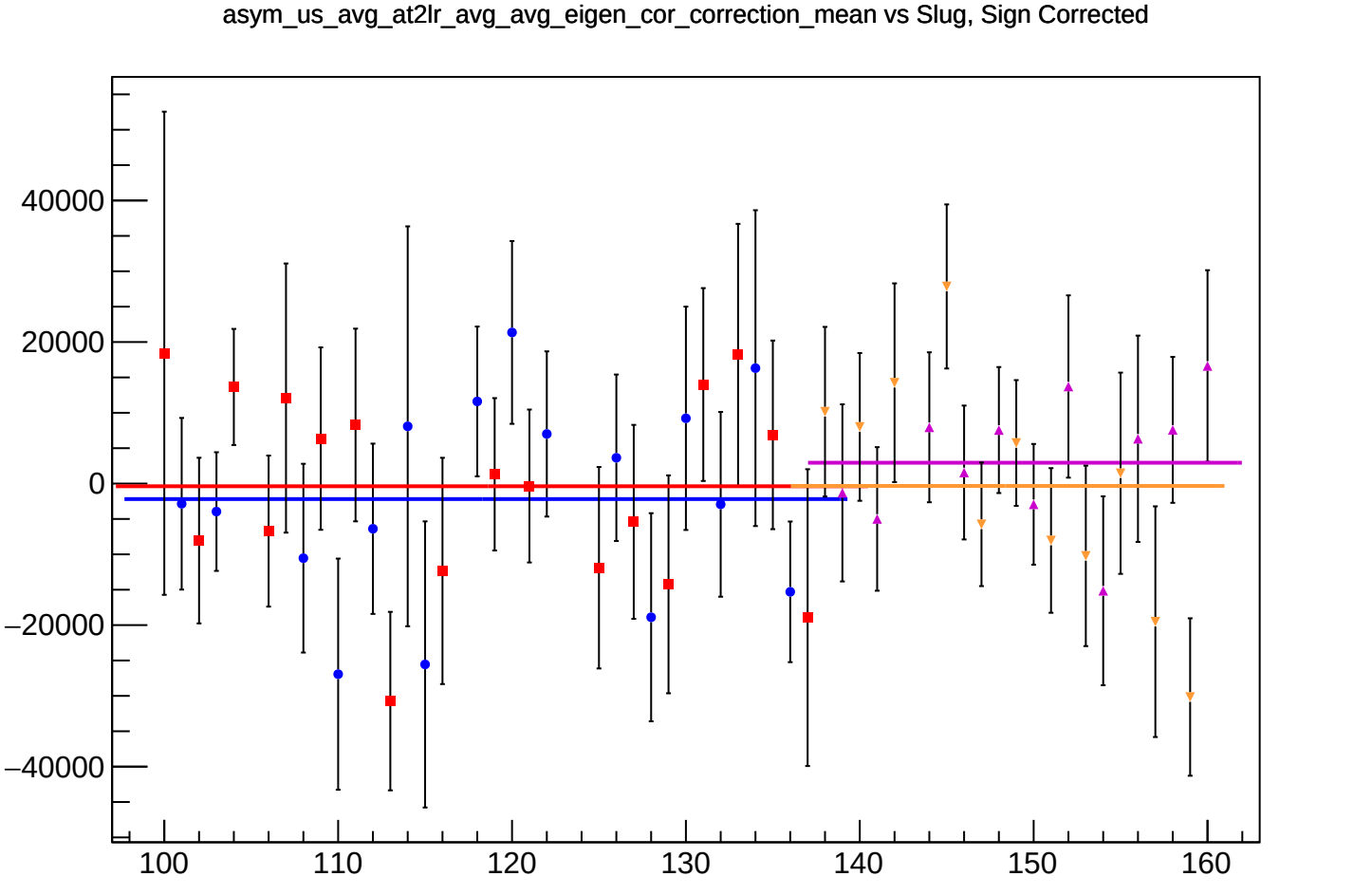
Left: 2279.502+/-0.377 χ^2/NDF: 56878.7/21

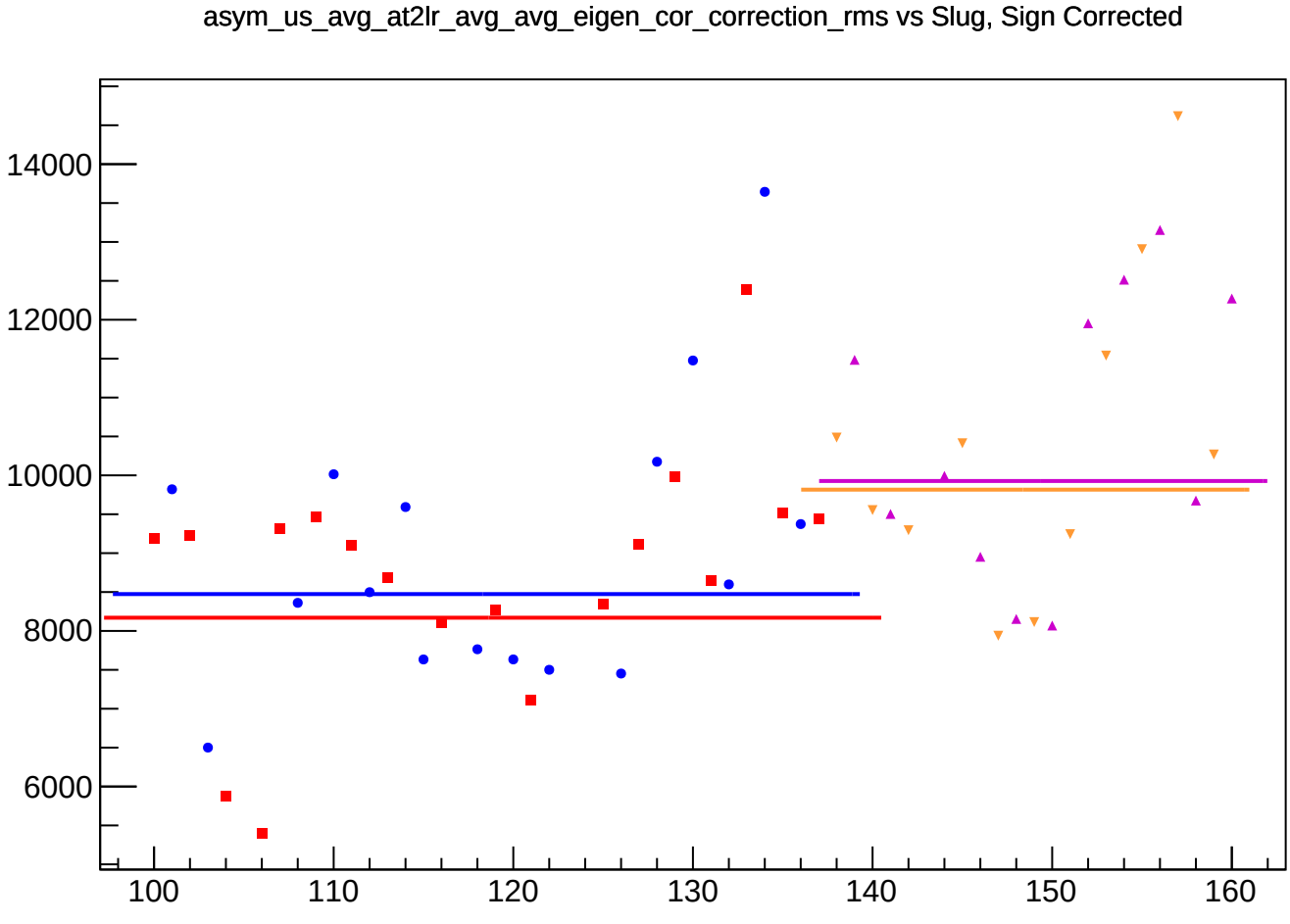
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.152+/-0.386 χ^2/NDF:242493.6/26

Out: 2217.281+/-0.394 χ^2/NDF:216651.8/28

All: 2222.832+/-0.276 χ^2/NDF: 459533.6/55


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -334.332+/-3391.613 χ²/NDF:19.0/10
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2943.827+/-3265.693 χ²/NDF:5.5/10
Left: 1366.730+/-2352.450 χ²/NDF: 25.0/21
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 331.962+/-2288.714 χ²/NDF:21.2/26
Out: -358.798+/-2288.174 χ²/NDF:35.3/28
All: -13.499+/-1618.174 χ²/NDF: 56.6/55



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: 9927.325+/-2.309 χ^2/NDF:513944.7/10

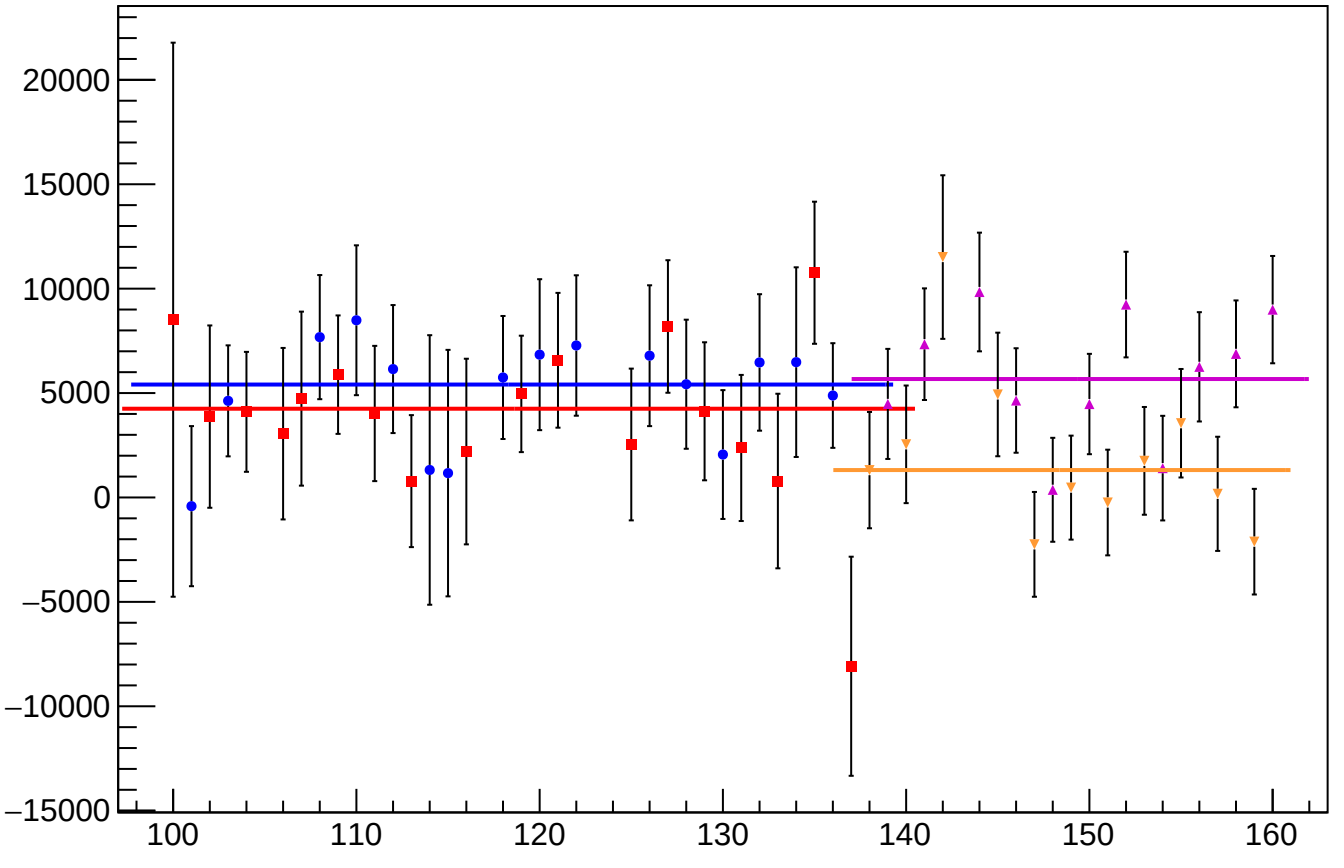
Left: 9873.795+/-1.663 χ^2/NDF: 1010516.7/21

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9187.699+/-1.618 χ^2/NDF:1145110.7/26

Out: 8919.237+/-1.618 χ^2/NDF:1292042.3/28

All: 9053.436+/-1.144 χ^2/NDF: 2450915.2/55



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: 5672.180+/-774.317 χ^2/NDF:14.5/10

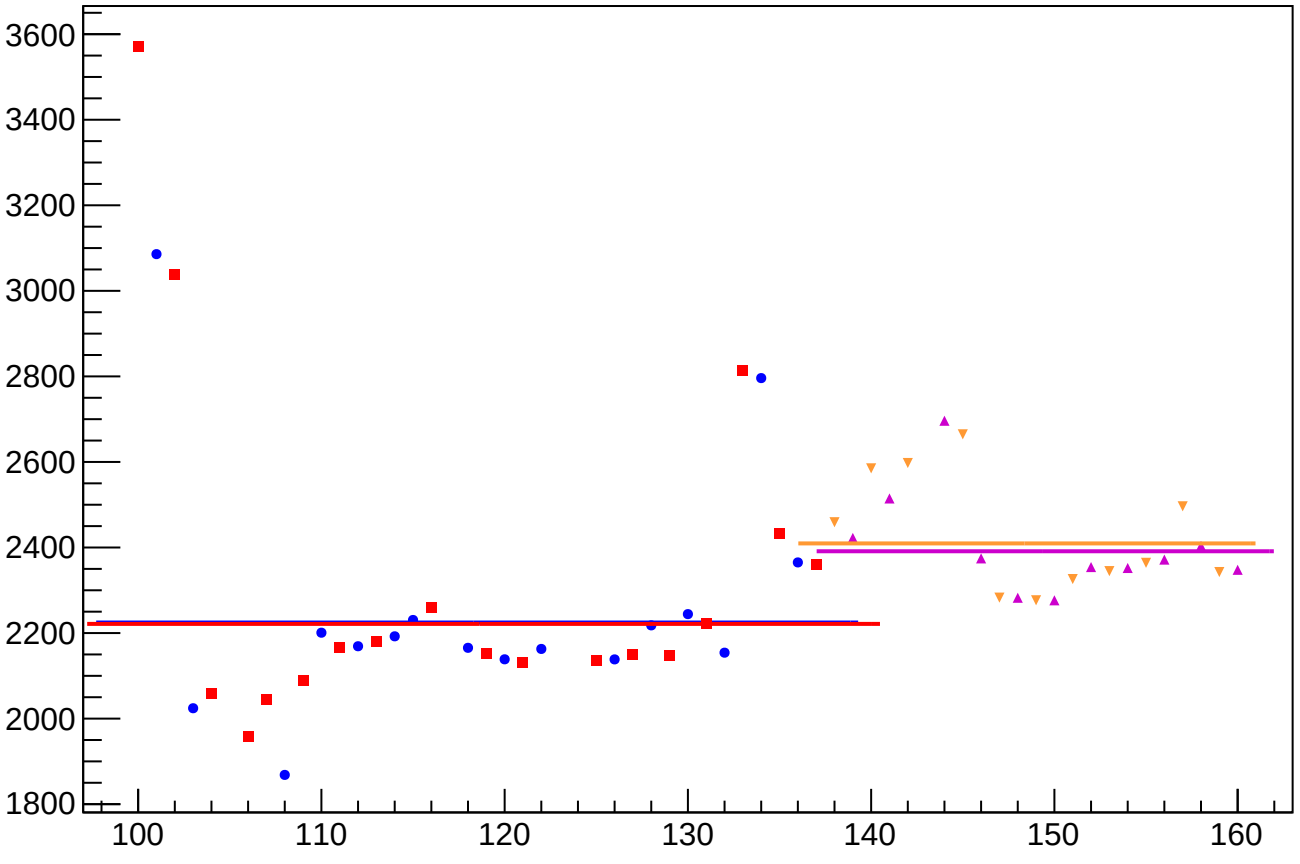
Left: 3608.546+/-561.938 χ^2/NDF: 43.3/21

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5549.770+/-567.354 χ^2/NDF:21.3/26

Out: 2741.130+/-585.364 χ^2/NDF:34.5/28

All: 4189.320+/-407.398 χ^2/NDF: 67.7/55



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: 2391.211+/-0.548 χ^2/NDF:37687.9/10

Left: 2399.898+/-0.397 χ^2/NDF: 84325.3/21

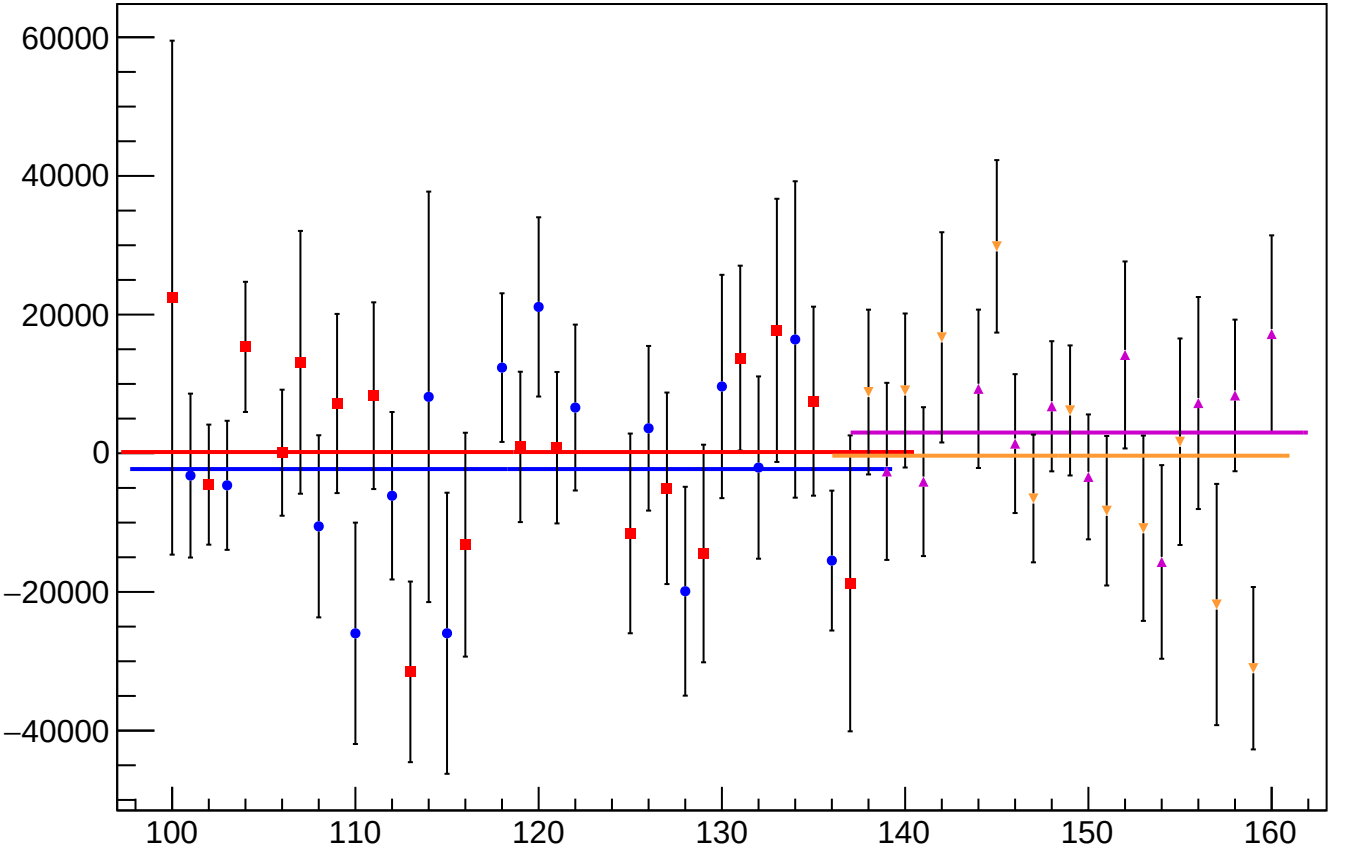
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2314.055+/-0.401 χ^2/NDF:265245.2/26

Out: 2317.998+/-0.414 χ^2/NDF:267694.7/28

All: 2315.966+/-0.288 χ^2/NDF: 532986.7/55

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: 2987.391+/-3443.573 χ^2/NDF:5.4/10

Left: 1378.468+/-2478.509 χ^2/NDF: 24.8/21

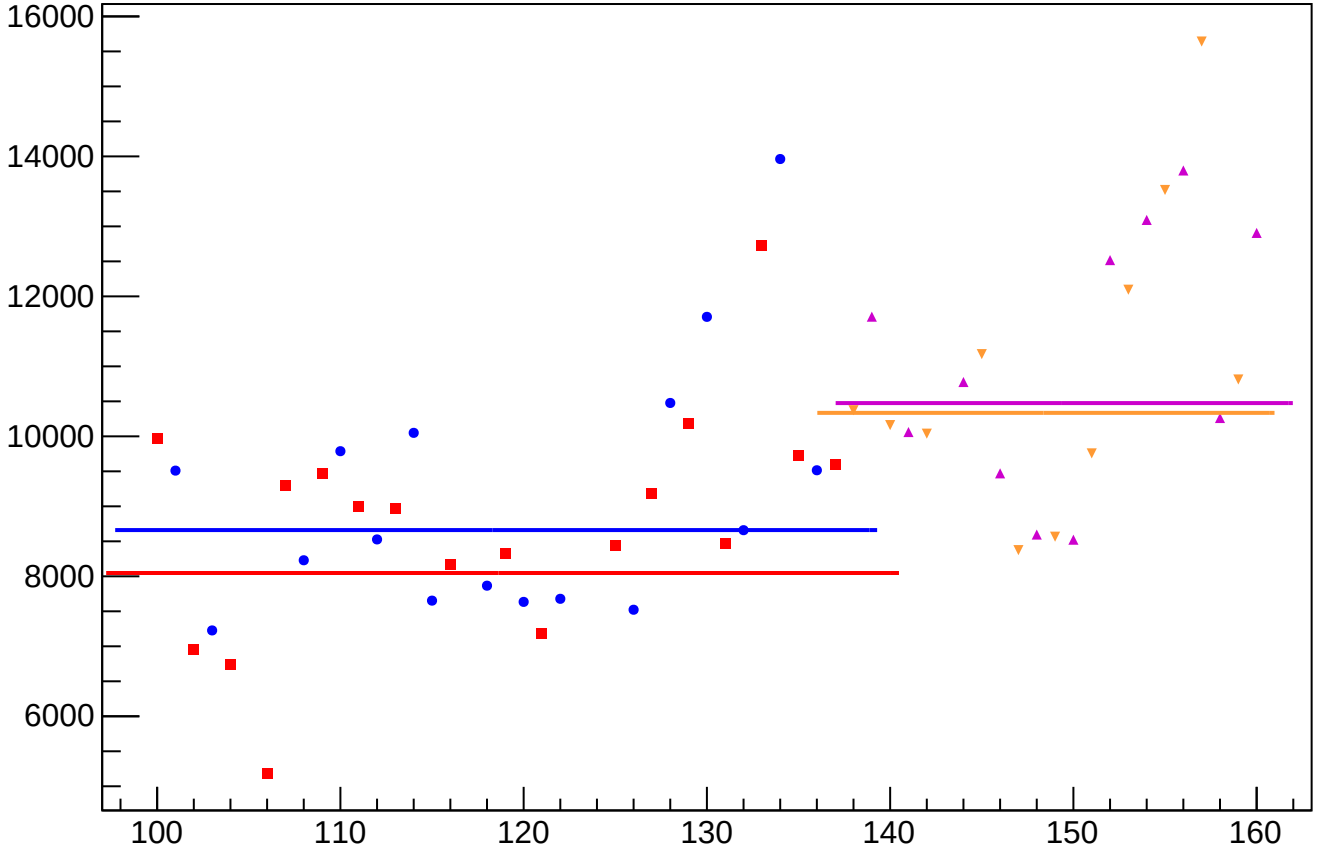
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: 219.828+/-2371.894 χ^2/NDF:21.1/26

Out: -44.474+/-2312.520 χ^2/NDF:34.6/28

All: 84.328+/-1655.791 χ^2/NDF: 55.7/55

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: 10475.271+/-2.435 χ^2/NDF:486973.3/10

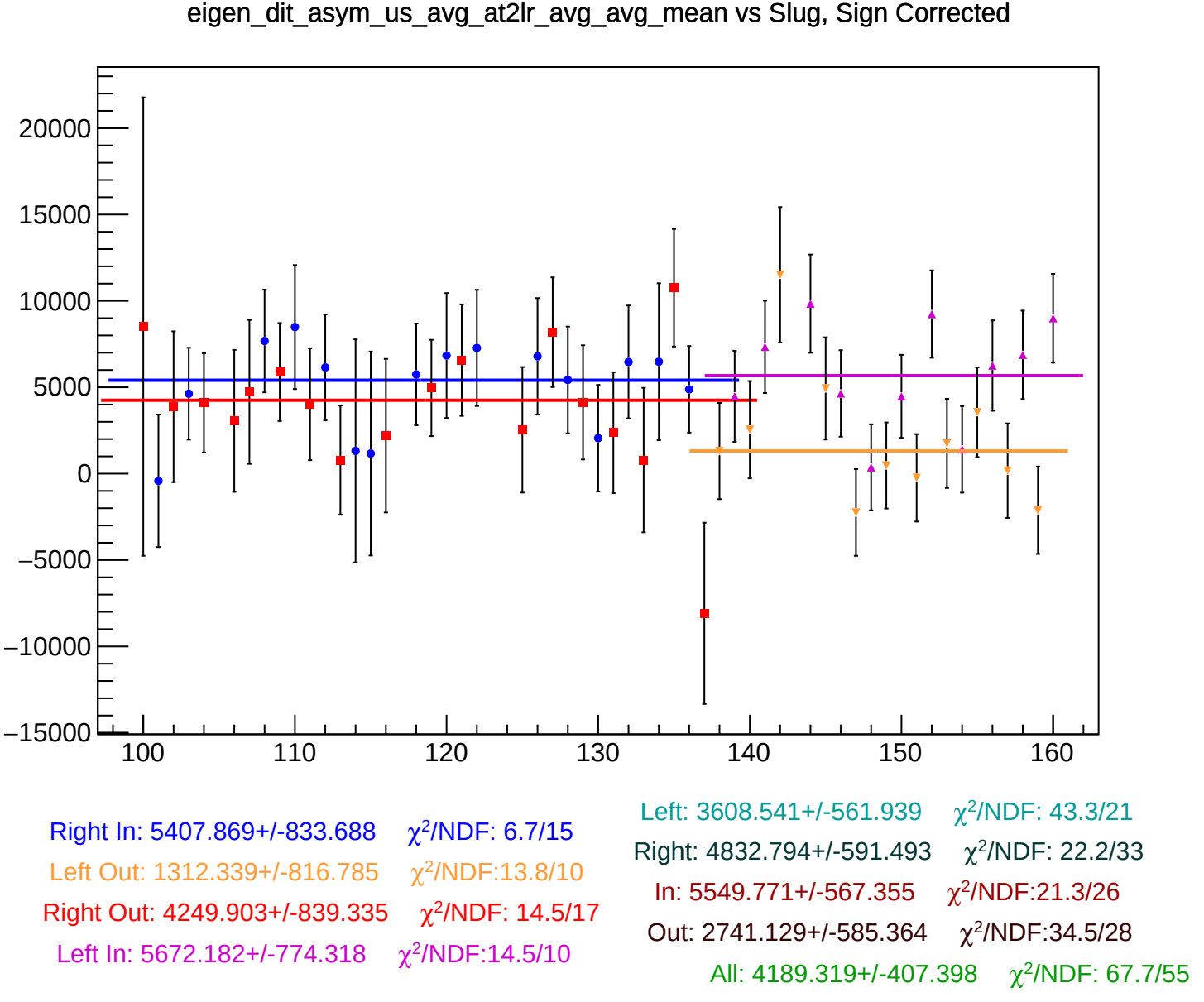
Left: 10407.907+/-1.753 χ^2/NDF: 981991.6/21

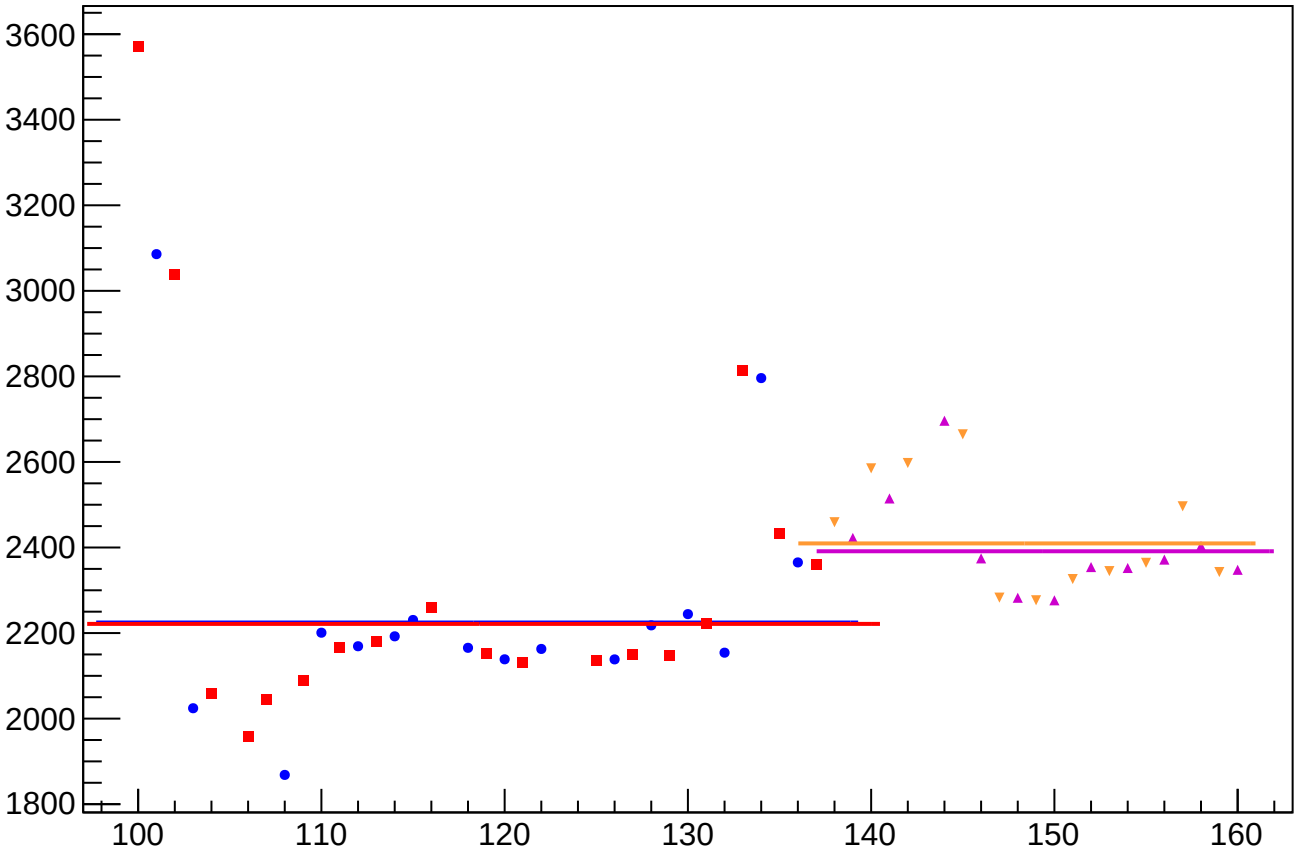
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9521.604+/-1.677 χ^2/NDF:1136795.0/26

Out: 9007.447+/-1.635 χ^2/NDF:1528794.3/28

All: 9258.010+/-1.171 χ^2/NDF: 2713769.8/55


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: 5672.182+/-774.318 χ²/NDF:14.5/10
Left: 3608.541+/-561.939 χ²/NDF: 43.3/21
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5549.771+/-567.355 χ²/NDF:21.3/26
Out: 2741.129+/-585.364 χ²/NDF:34.5/28
All: 4189.319+/-407.398 χ²/NDF: 67.7/55



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: 2391.214+/-0.548 χ^2/NDF:37688.2/10

Left: 2399.901+/-0.397 χ^2/NDF: 84326.2/21

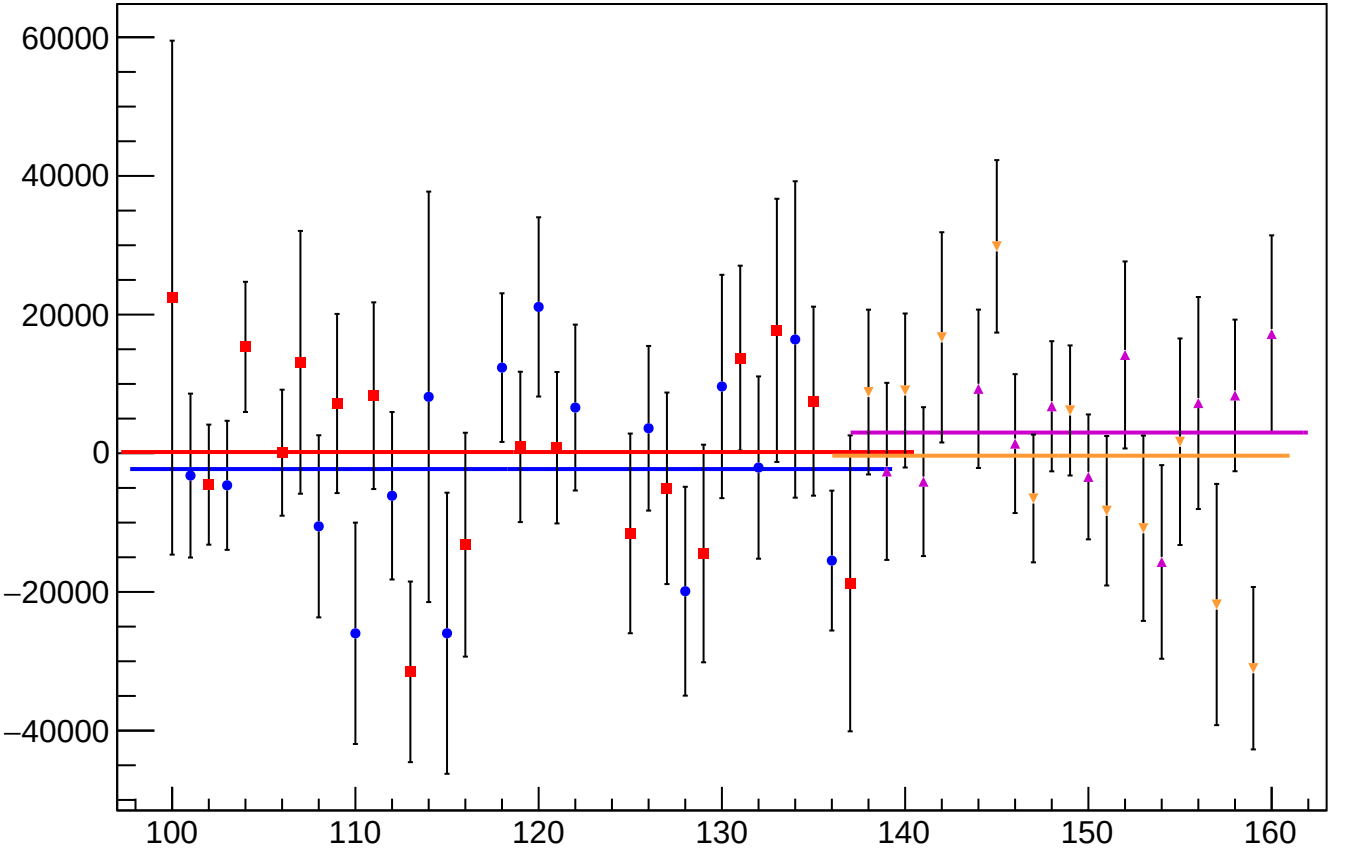
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2314.056+/-0.401 χ^2/NDF:265247.6/26

Out: 2317.999+/-0.414 χ^2/NDF:267697.5/28

All: 2315.967+/-0.288 χ^2/NDF: 532991.9/55

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: 2987.392+/-3443.578 χ^2/NDF:5.4/10

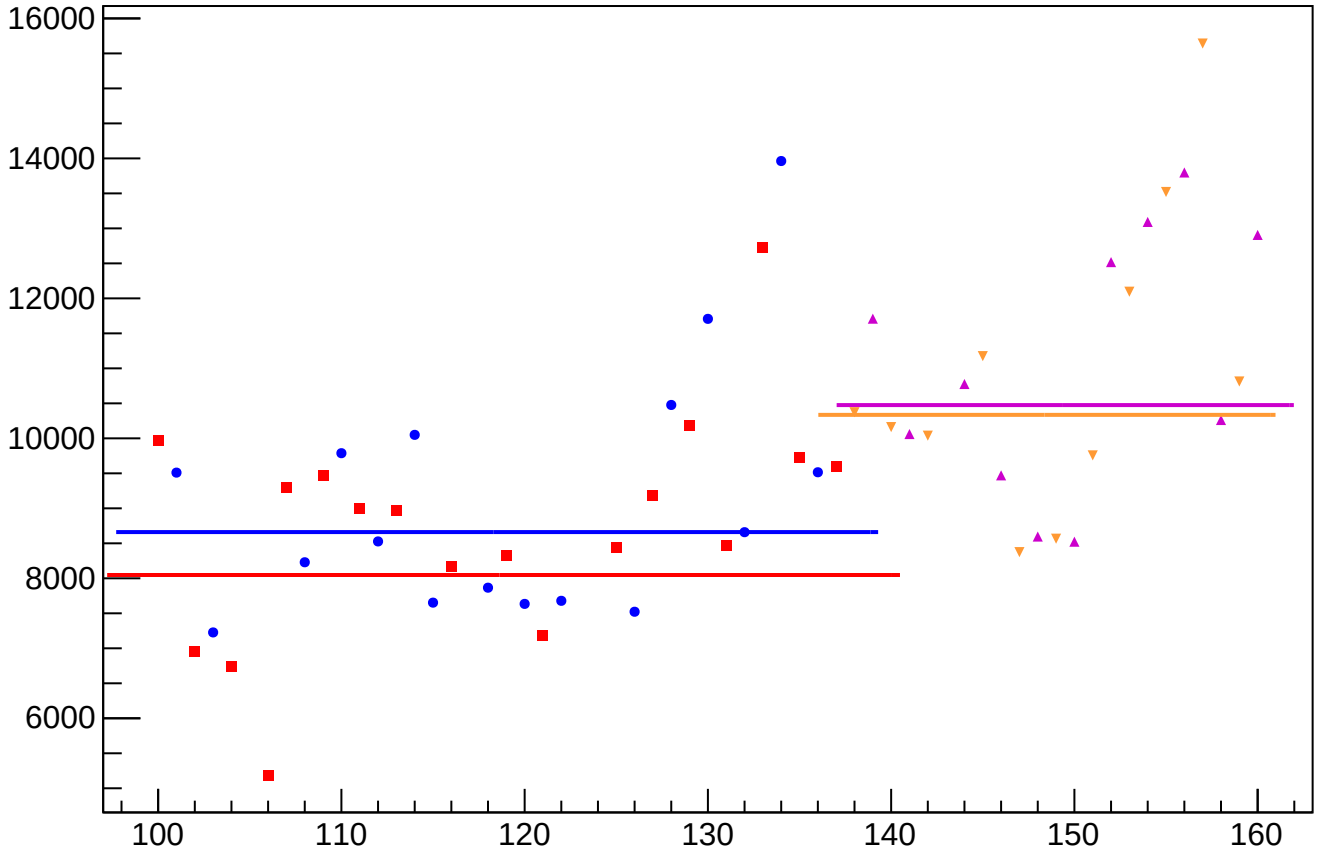
Left: 1378.463+/-2478.513 χ^2/NDF: 24.8/21

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: 219.831+/-2371.893 χ^2/NDF:21.1/26

Out: -44.475+/-2312.518 χ^2/NDF:34.6/28

All: 84.328+/-1655.790 χ^2/NDF: 55.7/55



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: 10475.285+/-2.435 χ^2/NDF:486973.7/10

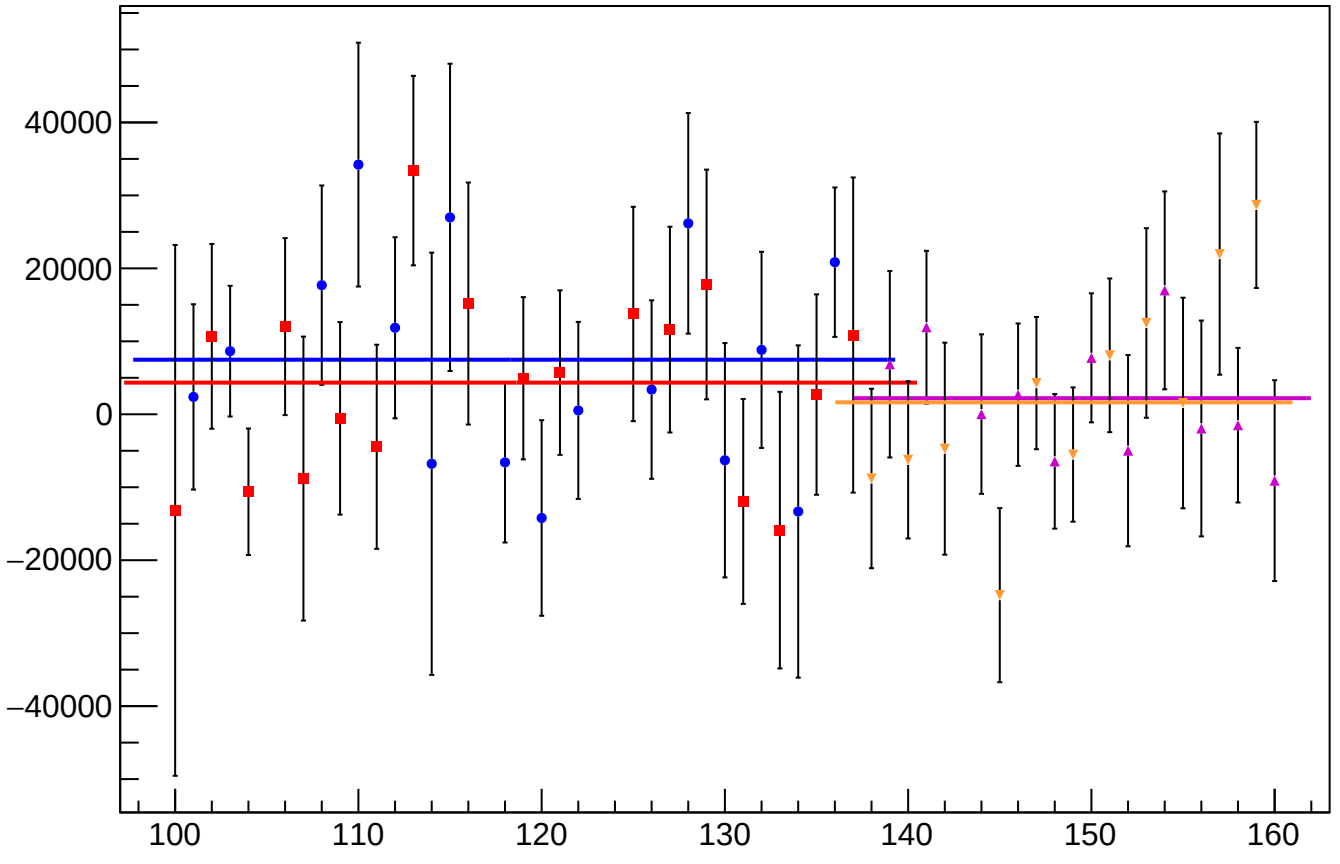
Left: 10407.922+/-1.753 χ^2/NDF: 981993.2/21

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9521.596+/-1.677 χ^2/NDF:1136809.3/26

Out: 9007.439+/-1.635 χ^2/NDF:1528807.2/28

All: 9258.002+/-1.171 χ^2/NDF: 2713797.1/55



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: 2205.350+/-3357.924 χ^2/NDF:4.7/10

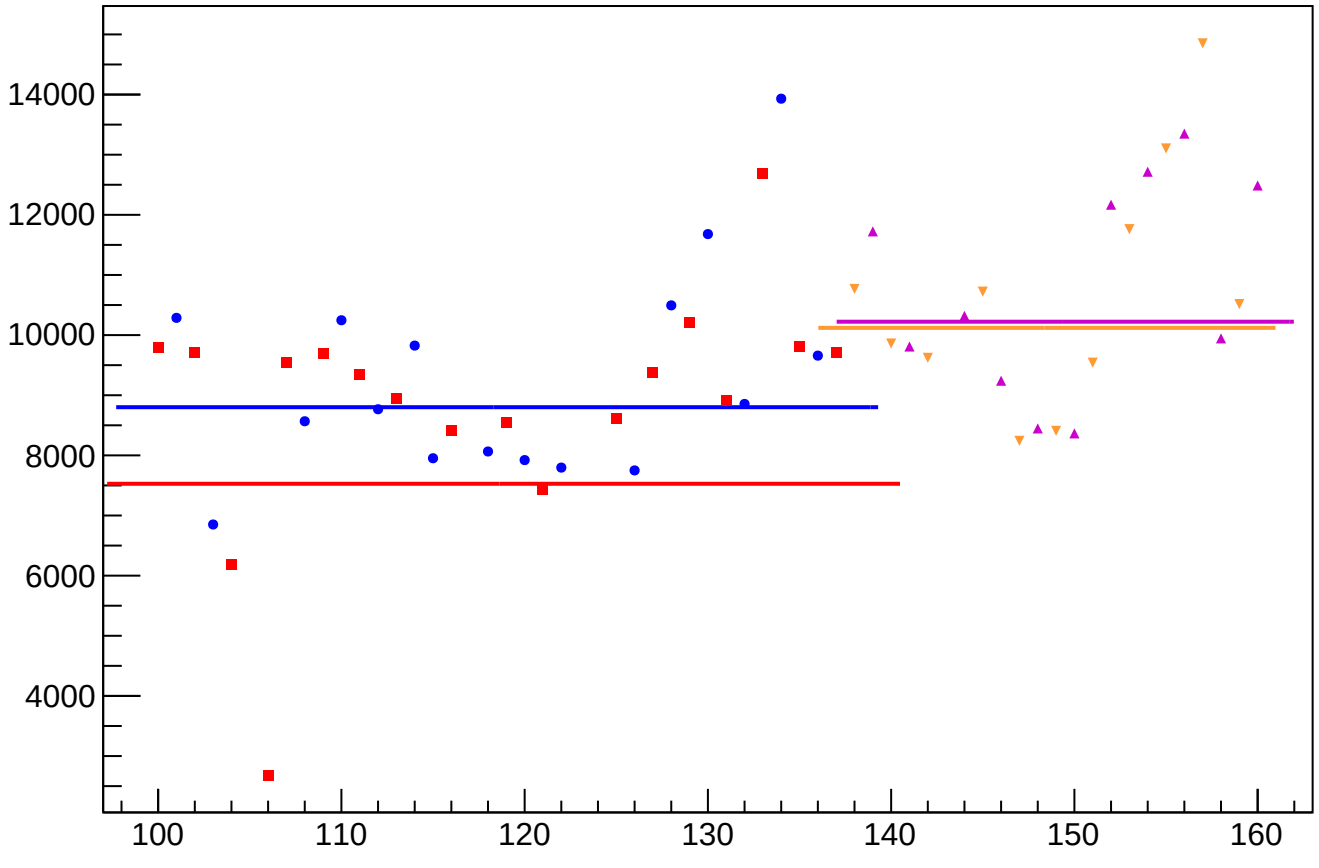
Left: 1933.194+/-2420.082 χ^2/NDF: 20.0/21

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 4864.865+/-2364.804 χ^2/NDF:20.0/26

Out: 3088.022+/-2375.833 χ^2/NDF:29.9/28

All: 3980.577+/-1676.055 χ^2/NDF: 50.1/55



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10120.690+/-2.468 χ^2/NDF:458815.4/10

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10222.814+/-2.374 χ^2/NDF:470110.5/10

Left: 10173.735+/-1.711 χ^2/NDF: 929814.9/21

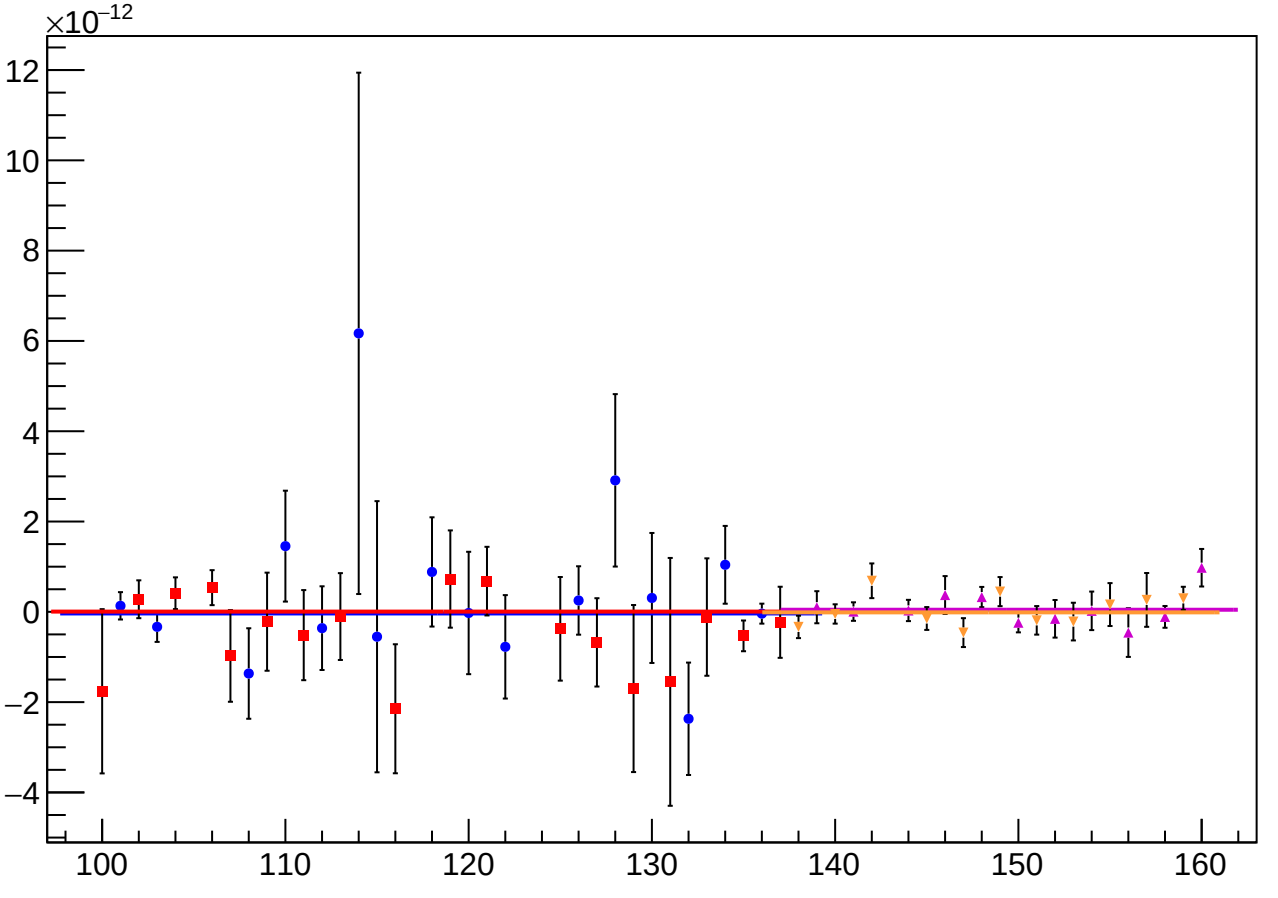
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9506.195+/-1.672 χ^2/NDF:1045401.5/26

Out: 8633.414+/-1.612 χ^2/NDF:2748979.5/28

All: 9053.799+/-1.161 χ^2/NDF: 3935592.4/55

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:10.6/10

Left: 0.000+/-0.000 χ^2/NDF: 22.5/21

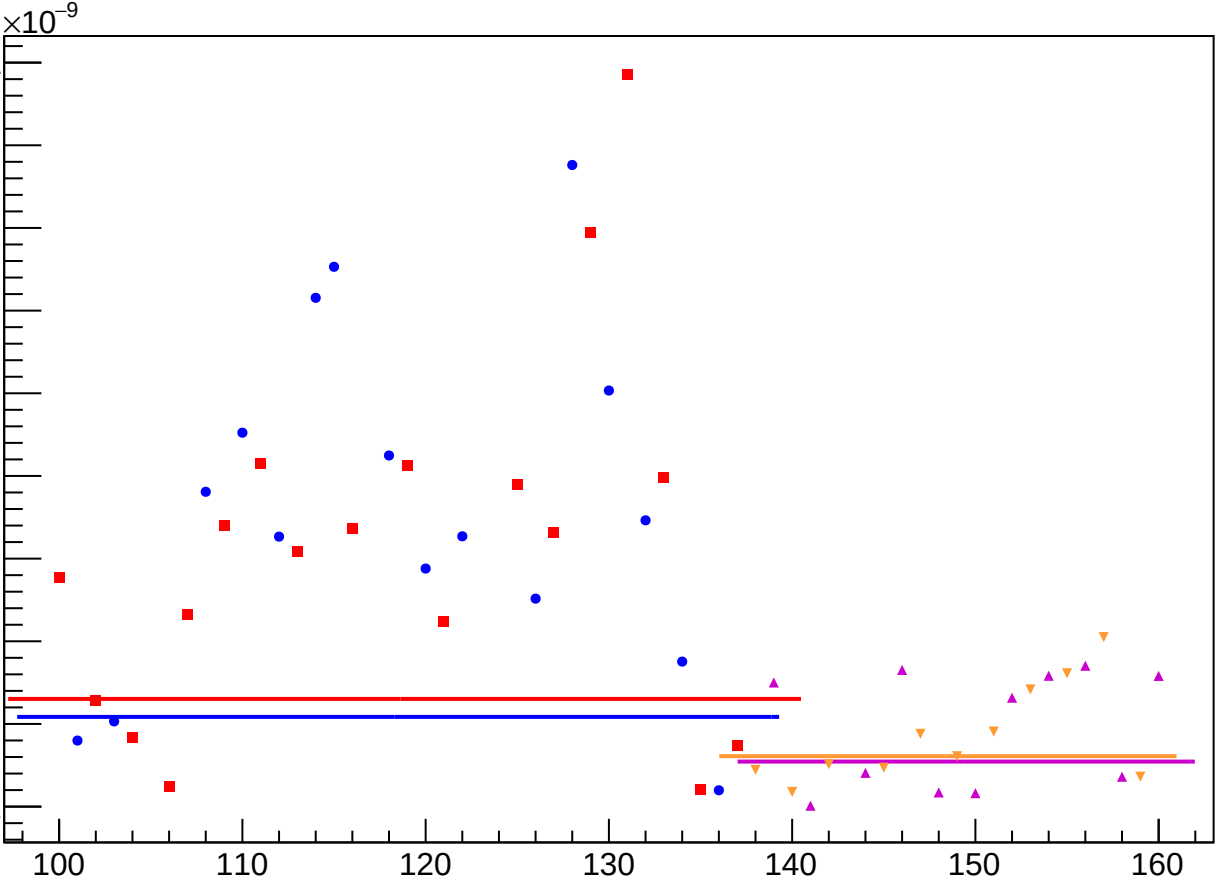
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:25.1/26

Out: -0.000+/-0.000 χ^2/NDF:25.4/28

All: 0.000+/-0.000 χ^2/NDF: 50.6/55

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:429315.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:961007.8/10

Left: 0.000+/-0.000 χ^2/NDF: 1395684.1/21

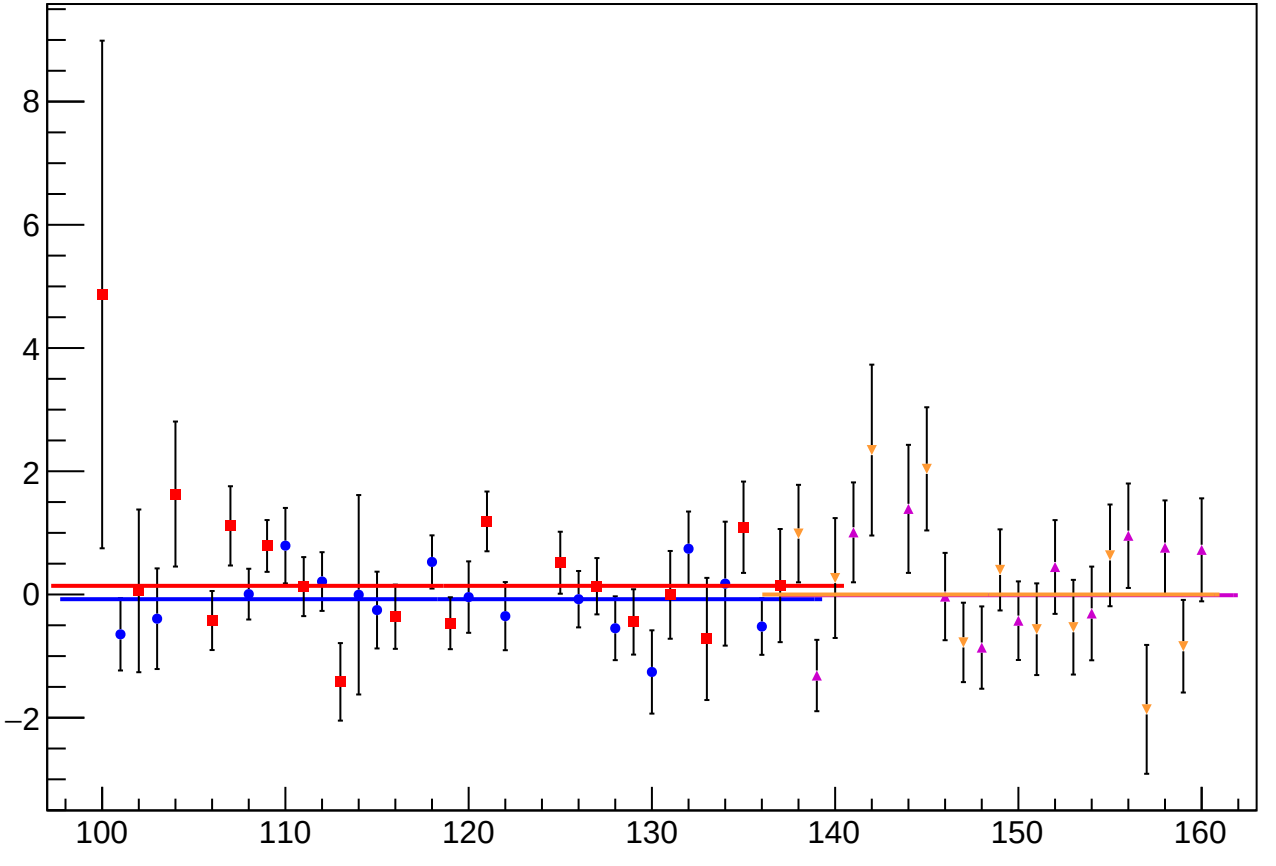
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2805735.4/26

Out: 0.000+/-0.000 χ^2/NDF:2282137.7/28

All: 0.000+/-0.000 χ^2/NDF: 5104101.3/55

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: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.007+/-0.165 χ^2/NDF: 30.7/21

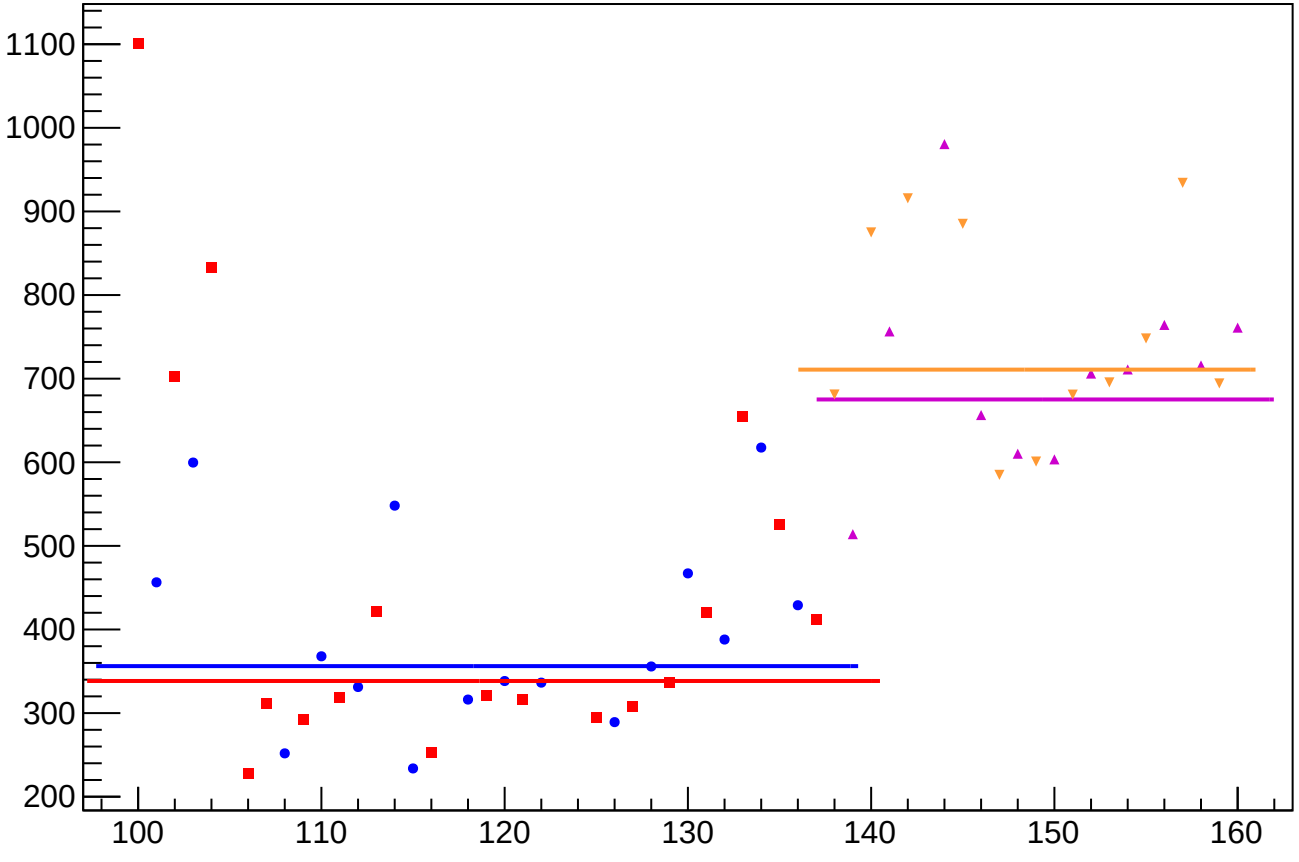
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.023+/-0.084 χ^2/NDF: 71.4/55

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 710.807+/-0.174 χ^2/NDF:396656.3/10

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

Left: 691.228+/-0.117 χ^2/NDF: 869681.2/21

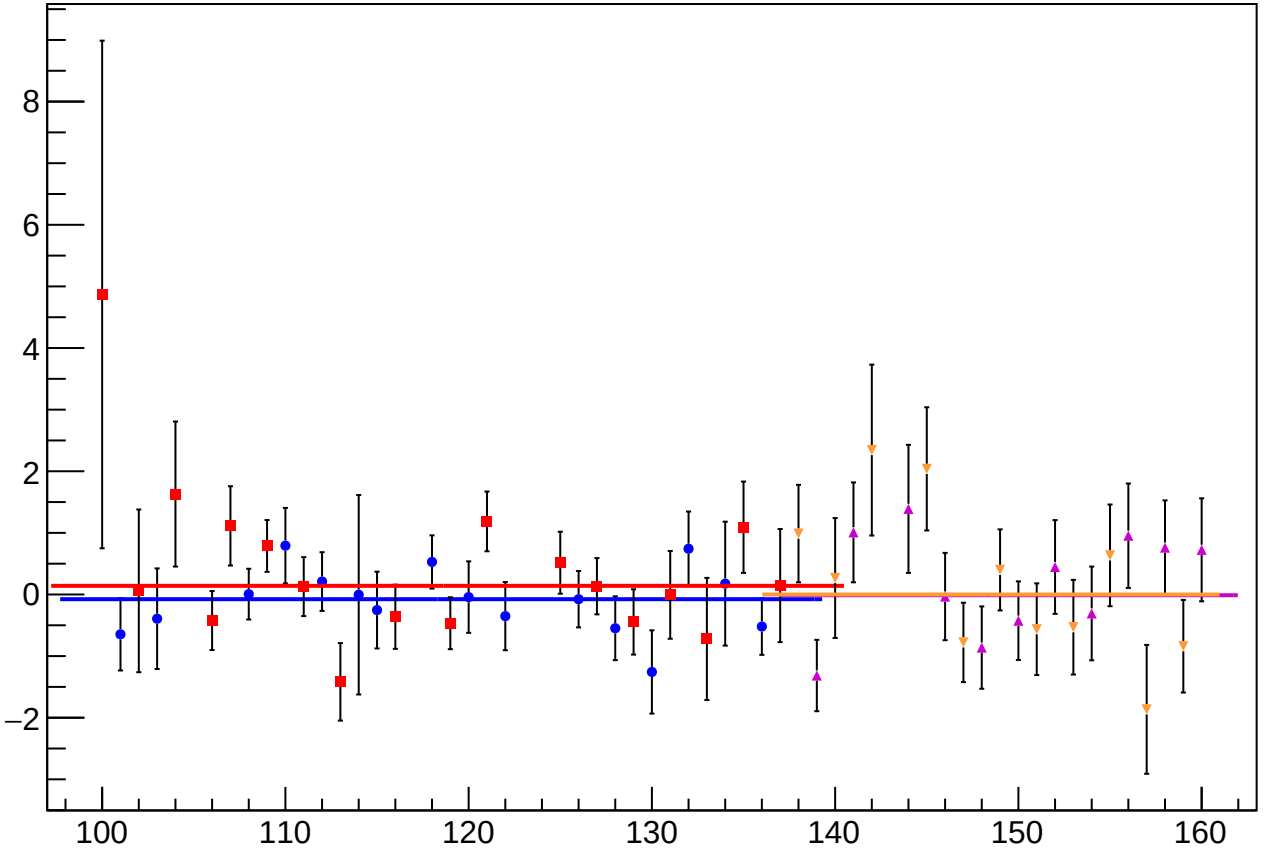
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 446.243+/-0.084 χ^2/NDF:4169847.7/26

Out: 427.594+/-0.085 χ^2/NDF:5089274.5/28

All: 437.060+/-0.060 χ^2/NDF: 9283509.1/55

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.001+/-0.246 χ^2/NDF:16.5/10

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.007+/-0.165 χ^2/NDF: 30.7/21

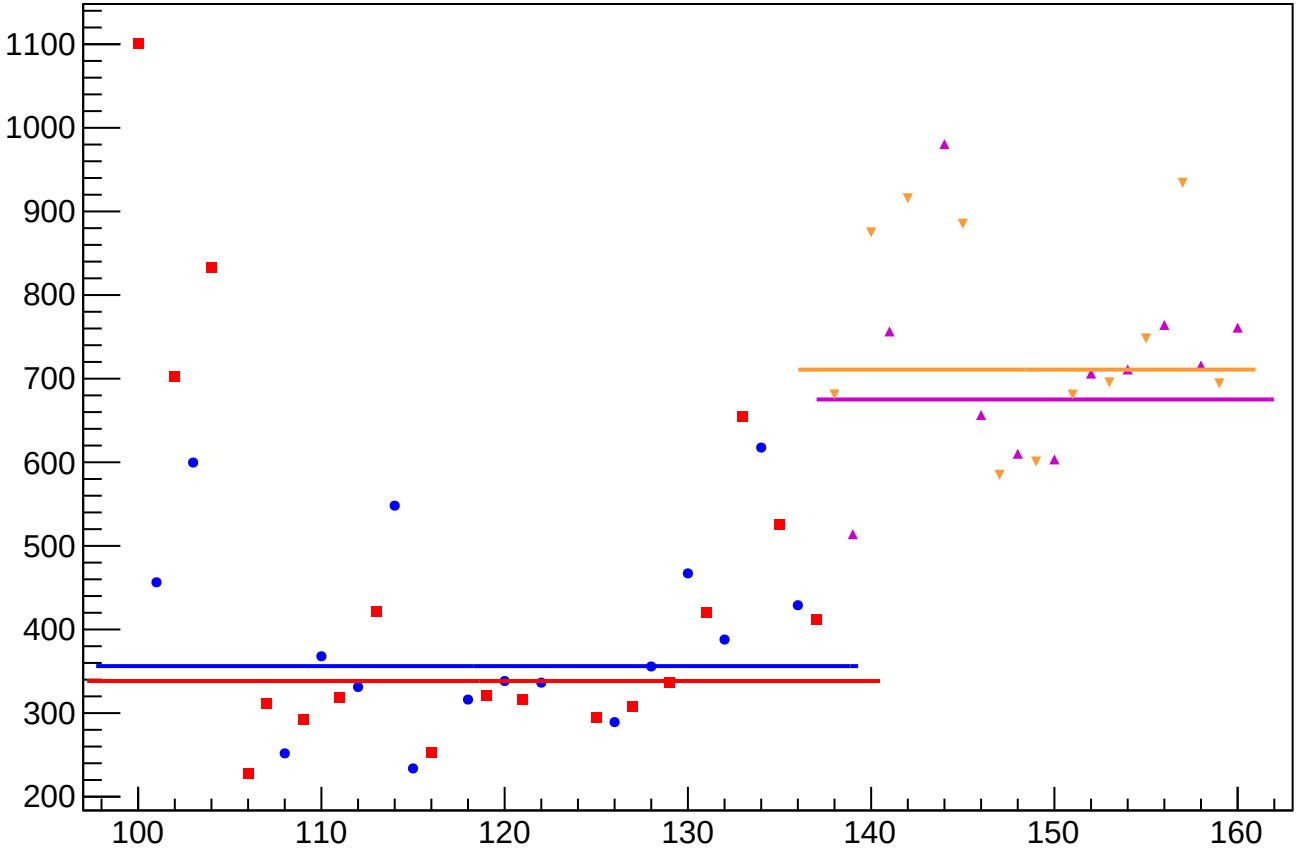
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.023+/-0.084 χ^2/NDF: 71.4/55

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 710.807+/-0.174 χ^2/NDF:396656.3/10

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

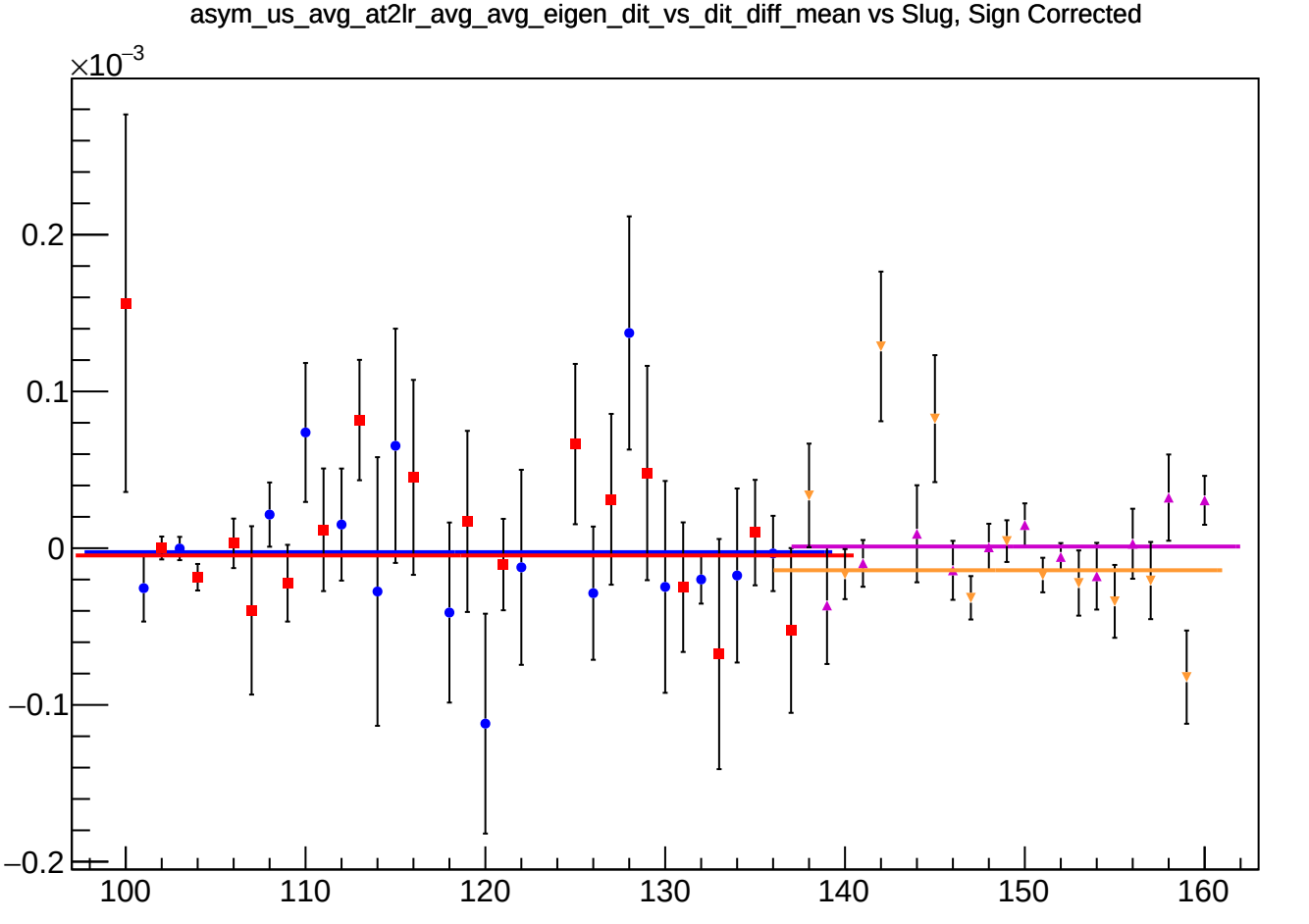
Left: 691.228+/-0.117 χ^2/NDF: 869681.2/21

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 446.243+/-0.084 χ^2/NDF:4169847.7/26

Out: 427.594+/-0.085 χ^2/NDF:5089274.5/28

All: 437.060+/-0.060 χ^2/NDF: 9283509.1/55



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:9.5/10

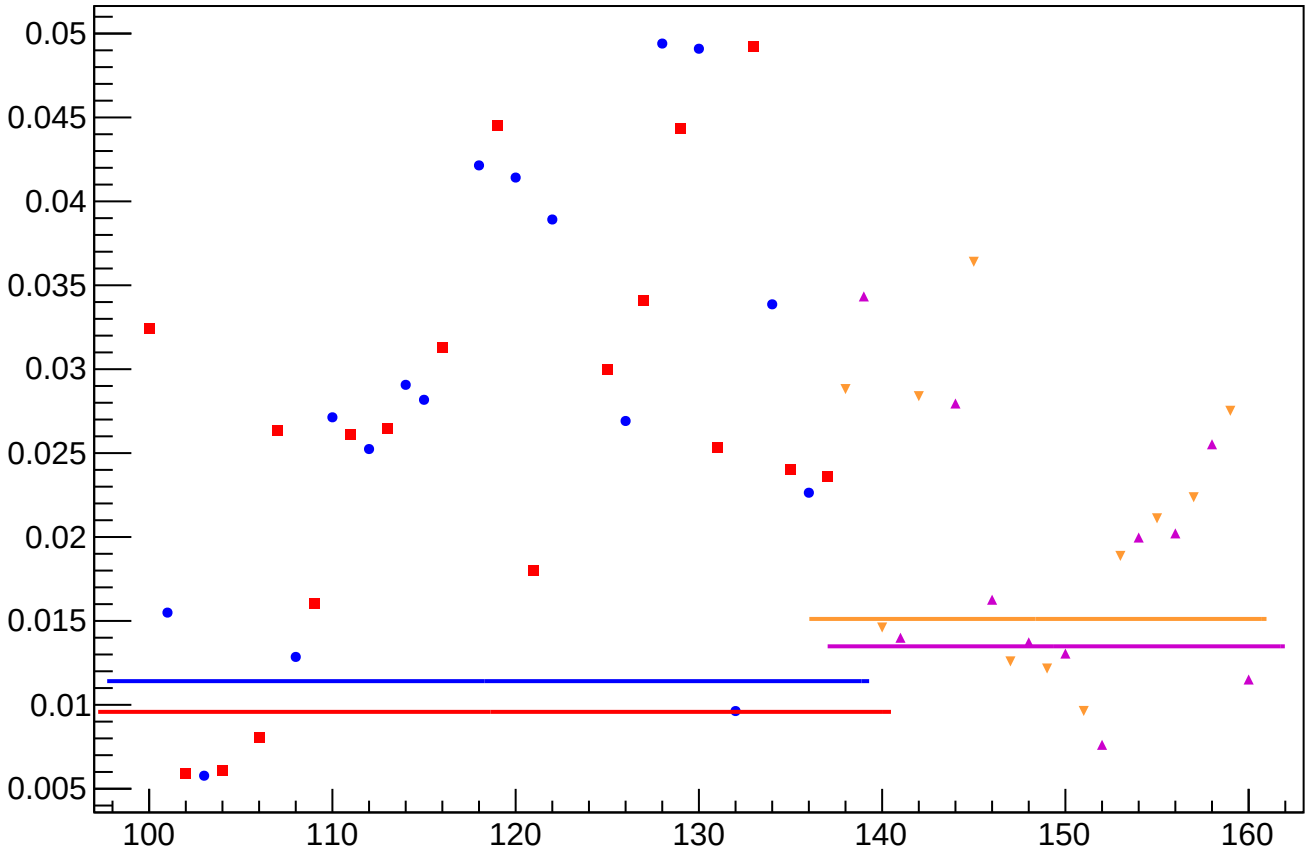
Left: -0.000+/-0.000 χ^2/NDF: 40.2/21

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:24.7/26

Out: -0.000+/-0.000 χ^2/NDF:45.4/28

All: -0.000+/-0.000 χ^2/NDF: 72.5/55



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: 0.013+/-0.000 χ^2/NDF:2765722.9/10

Left: 0.014+/-0.000 χ^2/NDF: 5293397.1/21

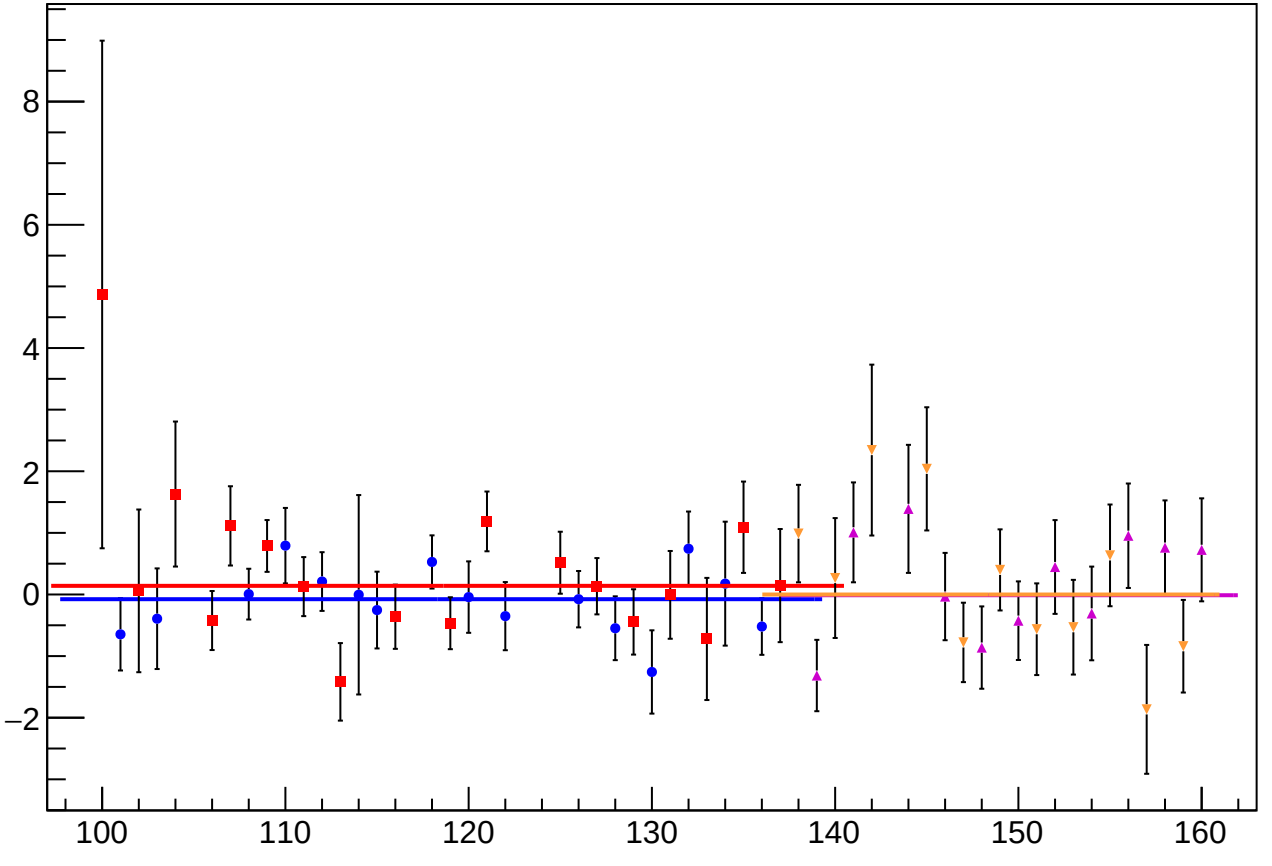
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:8422050.5/26

Out: 0.012+/-0.000 χ^2/NDF:9363024.3/28

All: 0.012+/-0.000 χ^2/NDF: 17820696.4/55

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: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.007+/-0.165 χ^2/NDF: 30.7/21

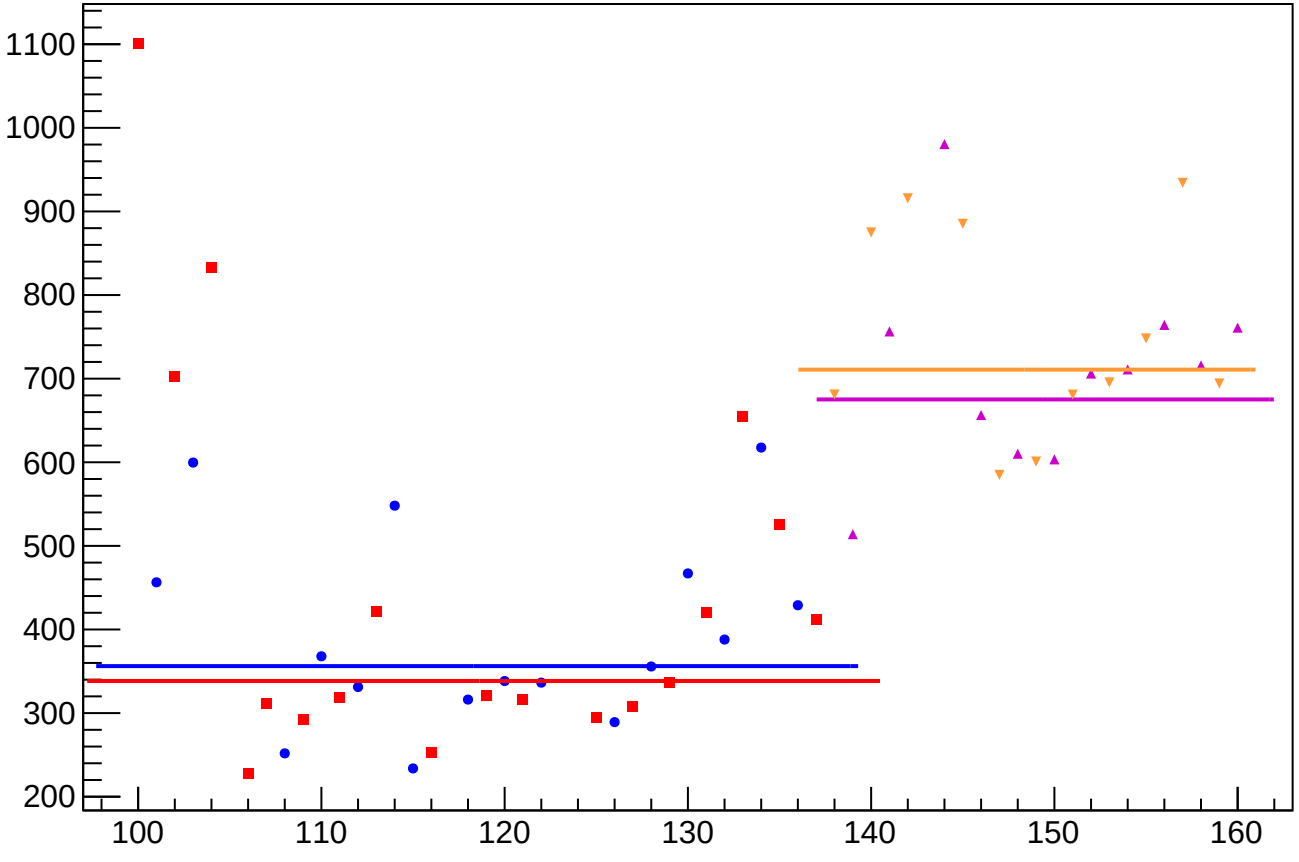
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.023+/-0.084 χ^2/NDF: 71.4/55

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: 675.128+/-0.158 χ^2/NDF:449897.8/10

Left: 691.238+/-0.117 χ^2/NDF: 869679.5/21

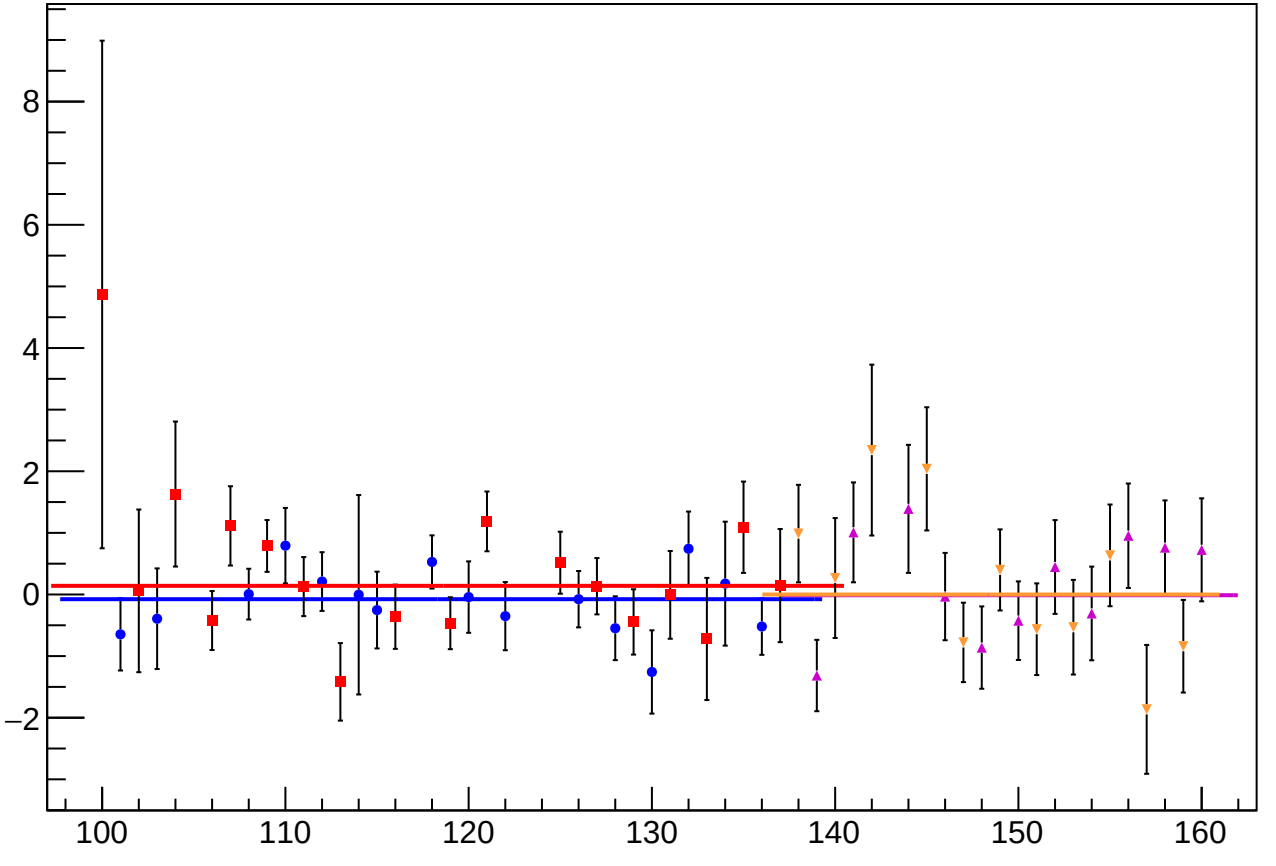
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 446.243+/-0.084 χ^2/NDF:4169963.5/26

Out: 427.592+/-0.085 χ^2/NDF:5089417.5/28

All: 437.058+/-0.060 χ^2/NDF: 9283771.5/55

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: -0.012+/-0.223 χ^2/NDF:14.1/10

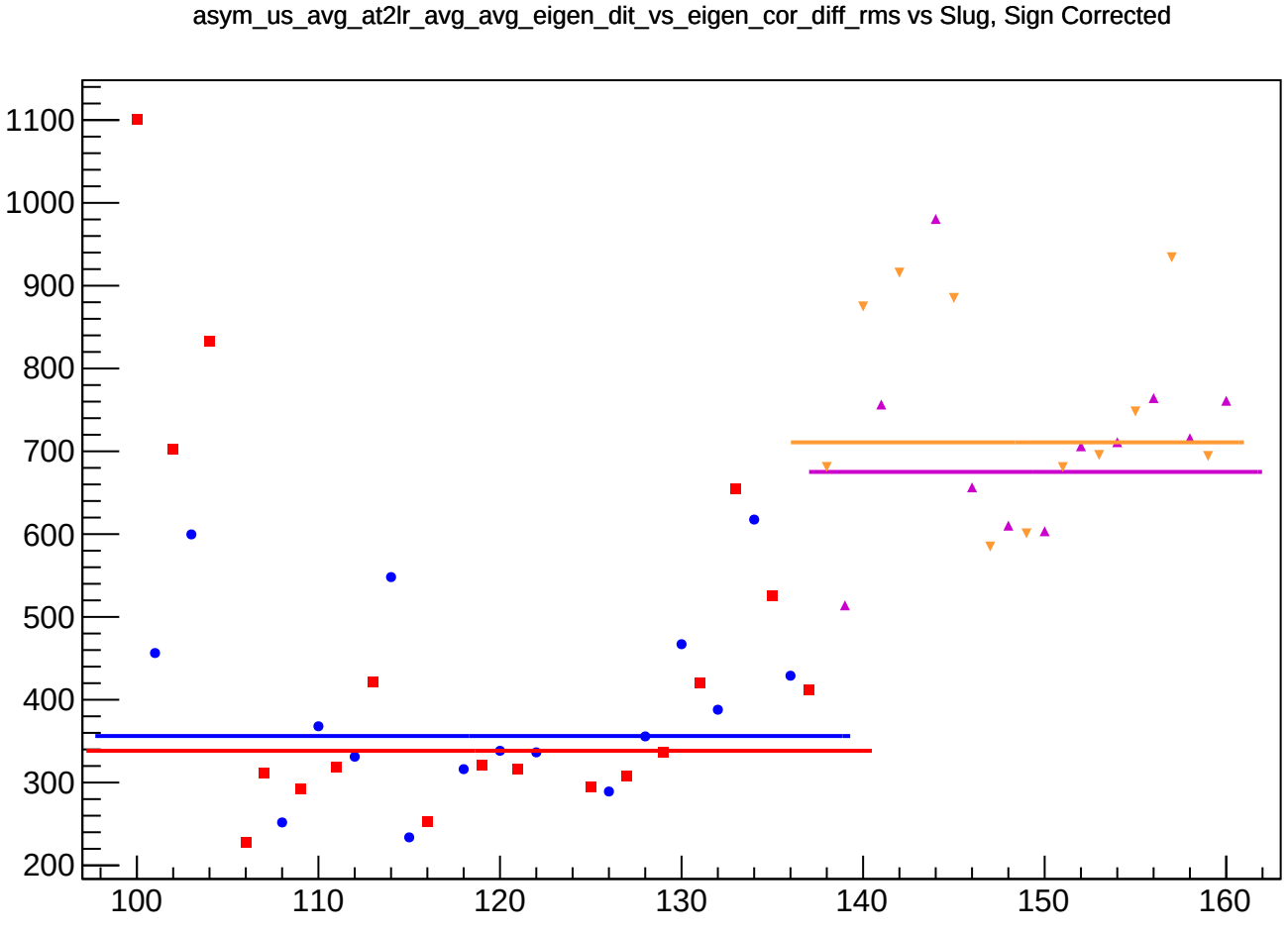
Left: -0.007+/-0.165 χ^2/NDF: 30.7/21

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.107+/-0.120 χ^2/NDF:43.8/28

All: 0.023+/-0.084 χ^2/NDF: 71.4/55



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: 675.128+/-0.158 χ^2/NDF:449897.8/10

Left: 691.238+/-0.117 χ^2/NDF: 869679.5/21

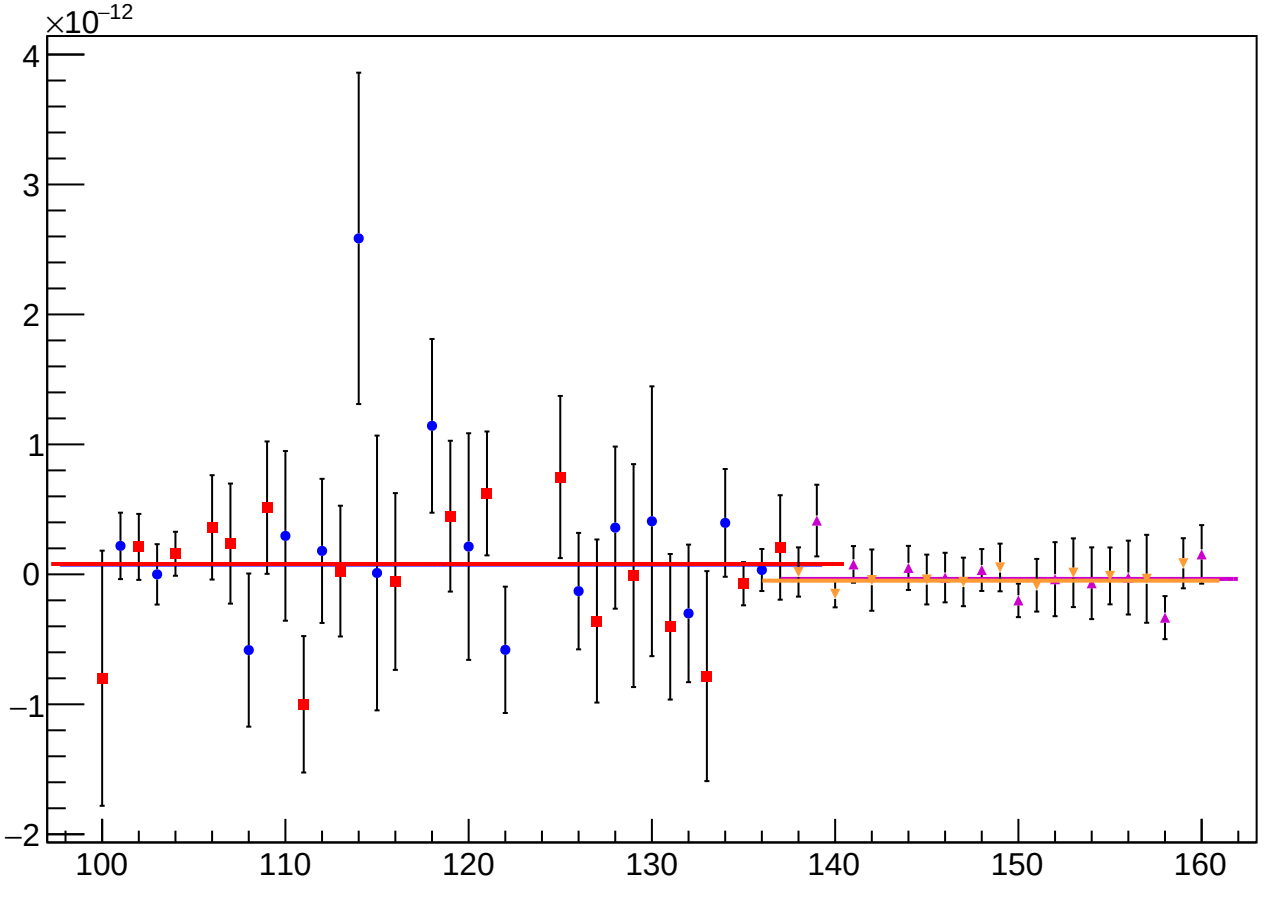
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 446.243+/-0.084 χ^2/NDF:4169963.5/26

Out: 427.592+/-0.085 χ^2/NDF:5089417.5/28

All: 437.058+/-0.060 χ^2/NDF: 9283771.5/55

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:9.3/10

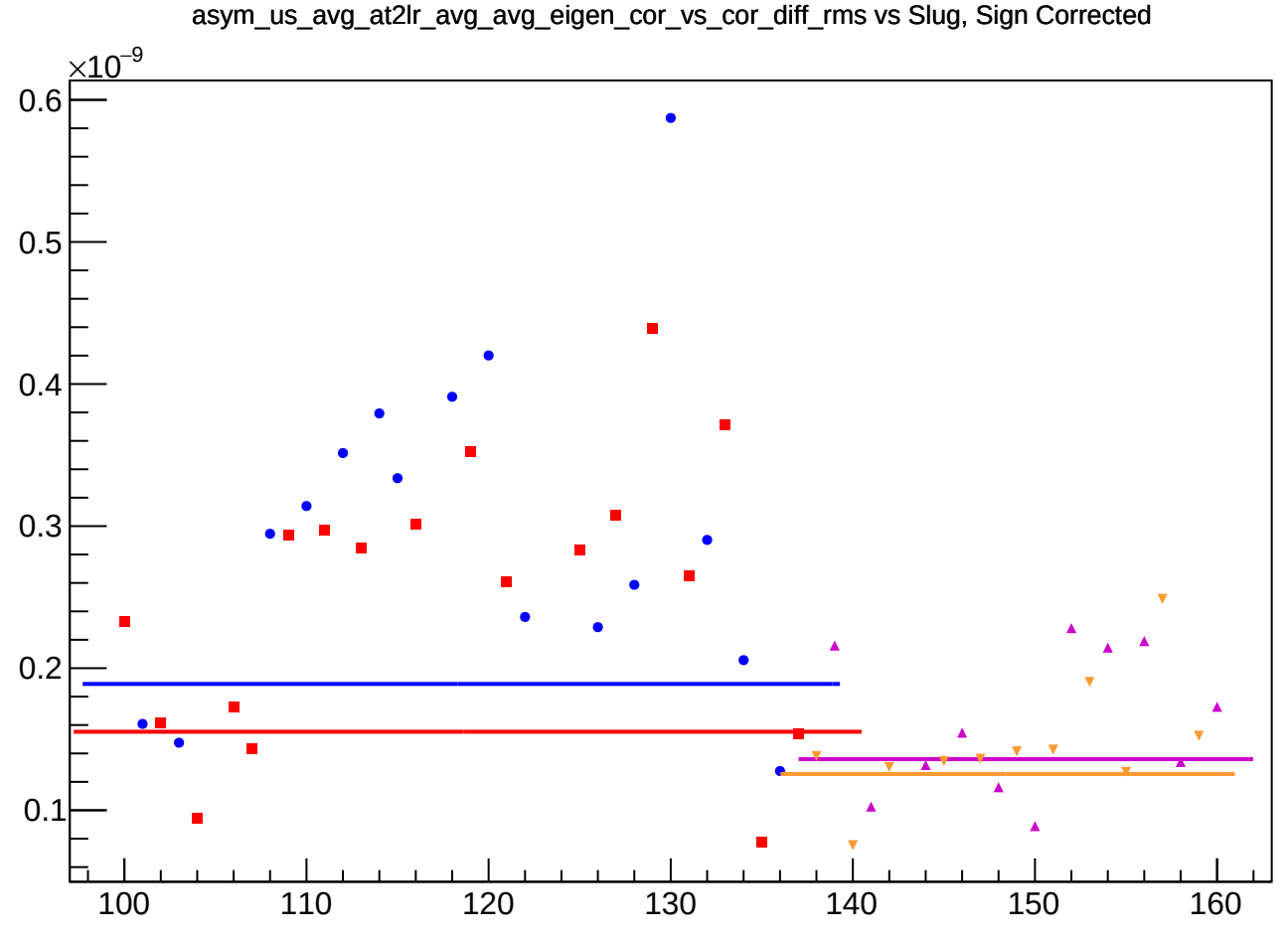
Left: -0.000+/-0.000 χ^2/NDF: 11.3/21

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:22.1/26

Out: -0.000+/-0.000 χ^2/NDF:16.6/28

All: -0.000+/-0.000 χ^2/NDF: 38.7/55



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:1193822.3/10

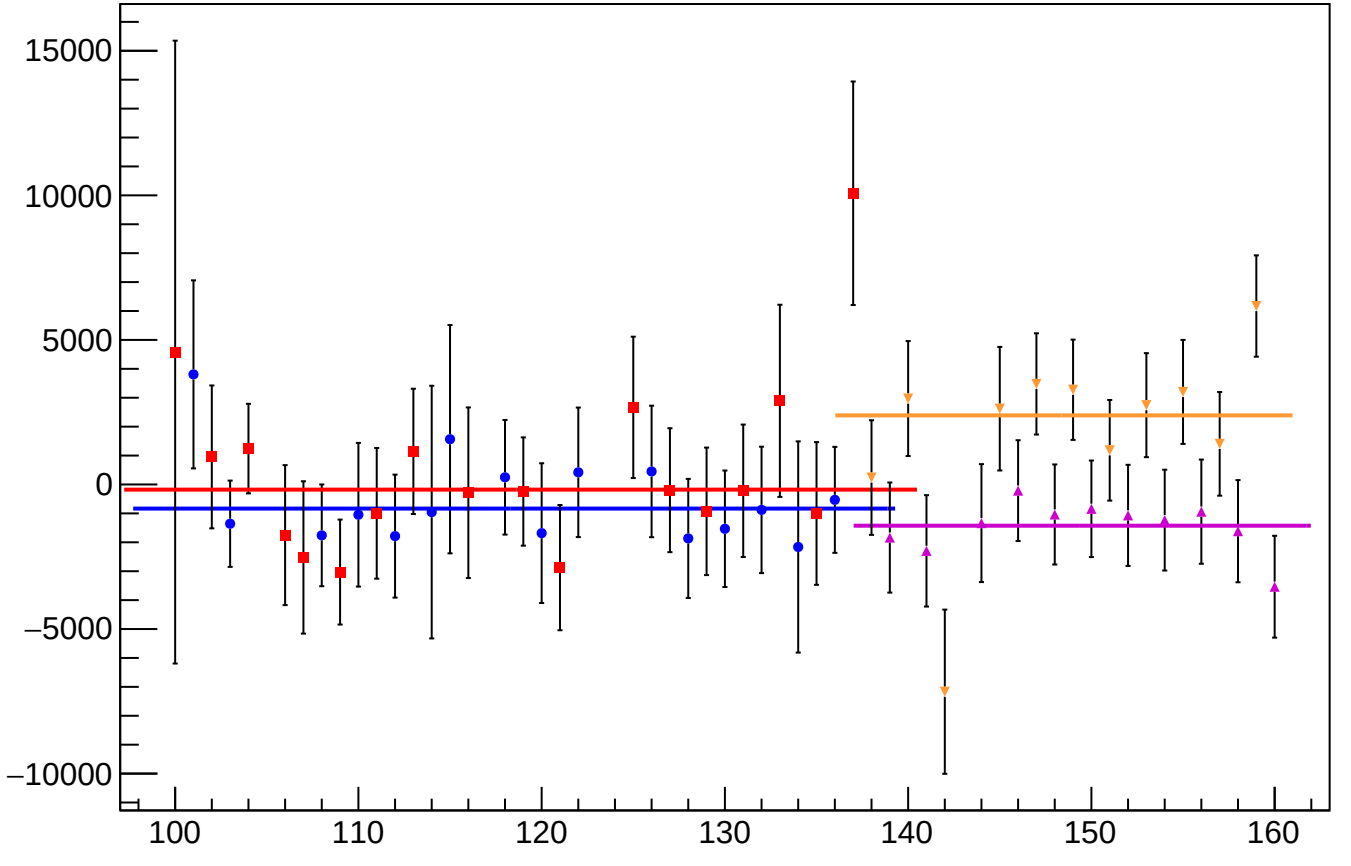
Left: 0.000+/-0.000 χ^2/NDF: 2169723.3/21

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3165302.5/26

Out: 0.000+/-0.000 χ^2/NDF:3311415.9/28

All: 0.000+/-0.000 χ^2/NDF: 6574570.8/55



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: -1425.513+/-541.276 χ^2/NDF:2.5/10

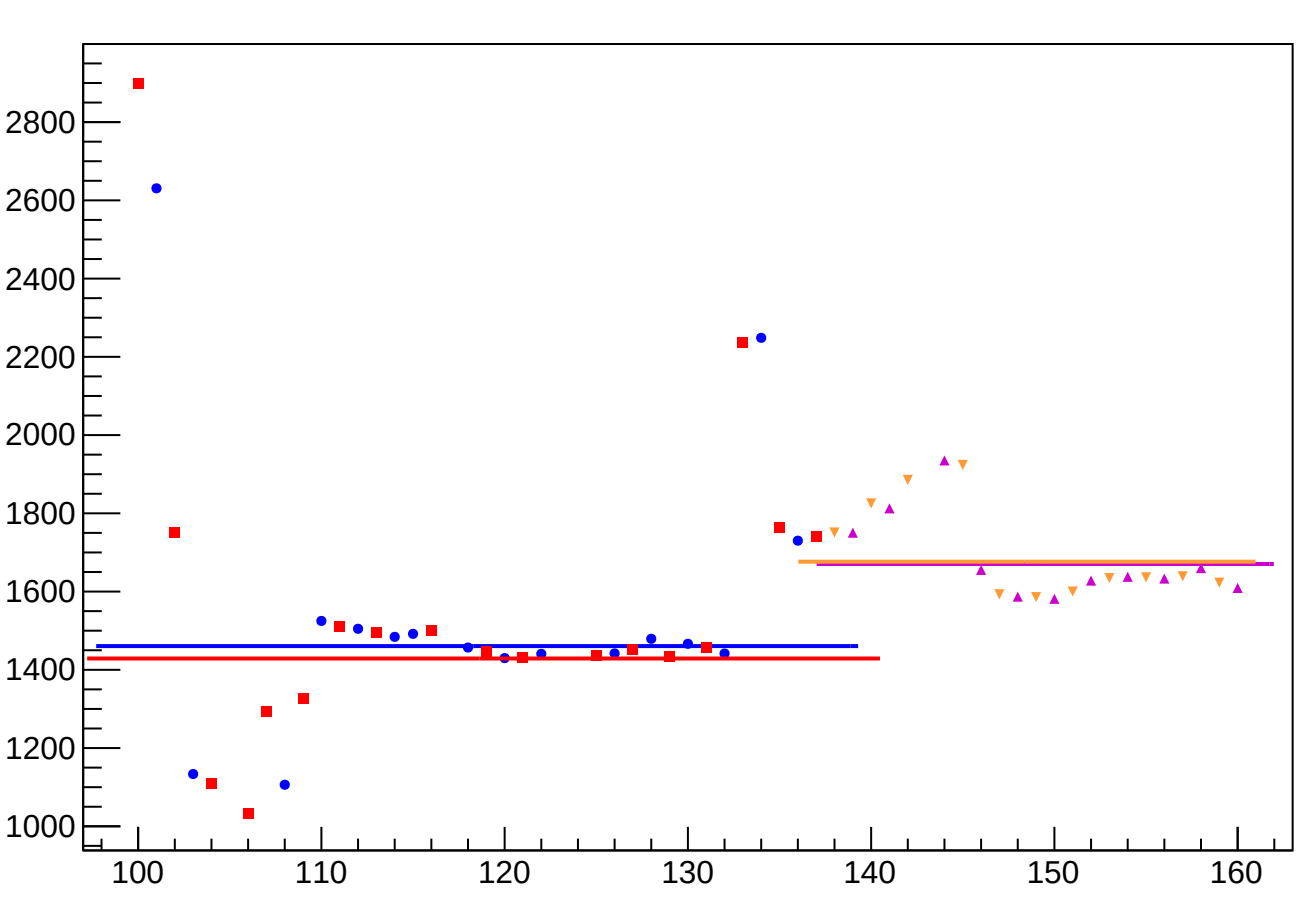
Left: 388.690+/-392.010 χ^2/NDF: 45.0/21

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1136.817+/-387.444 χ^2/NDF:7.7/26

Out: 1058.287+/-394.476 χ^2/NDF:46.0/28

All: -59.005+/-276.417 χ^2/NDF: 69.4/55



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: 1670.537+/-0.383 χ^2/NDF:63805.0/10

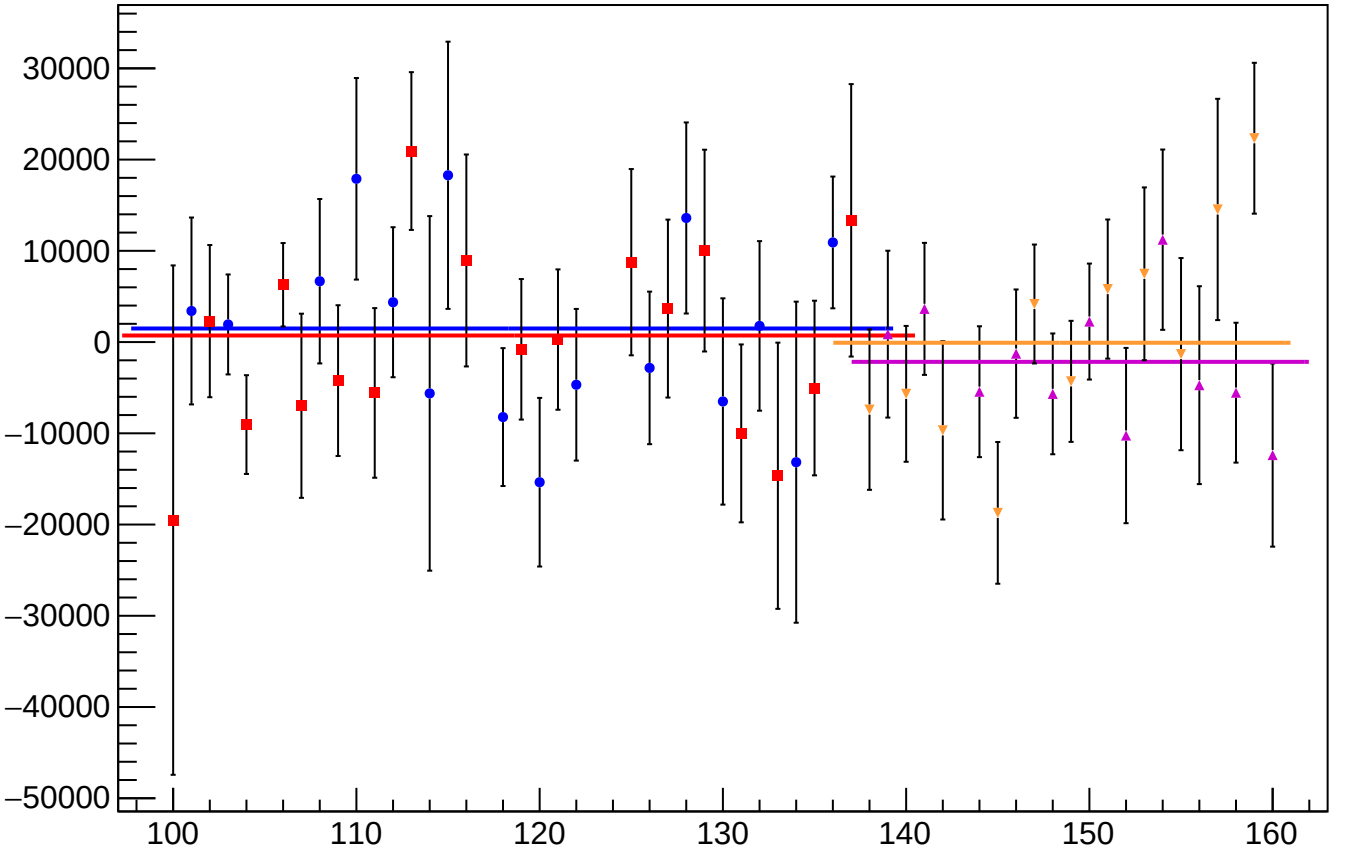
Left: 1673.312+/-0.277 χ^2/NDF: 134265.4/21

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1568.190+/-0.274 χ^2/NDF:786177.4/26

Out: 1547.161+/-0.278 χ^2/NDF:679476.9/28

All: 1557.825+/-0.195 χ^2/NDF: 1468558.6/55



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: -2167.953+/-2391.817 χ^2/NDF:5.6/10

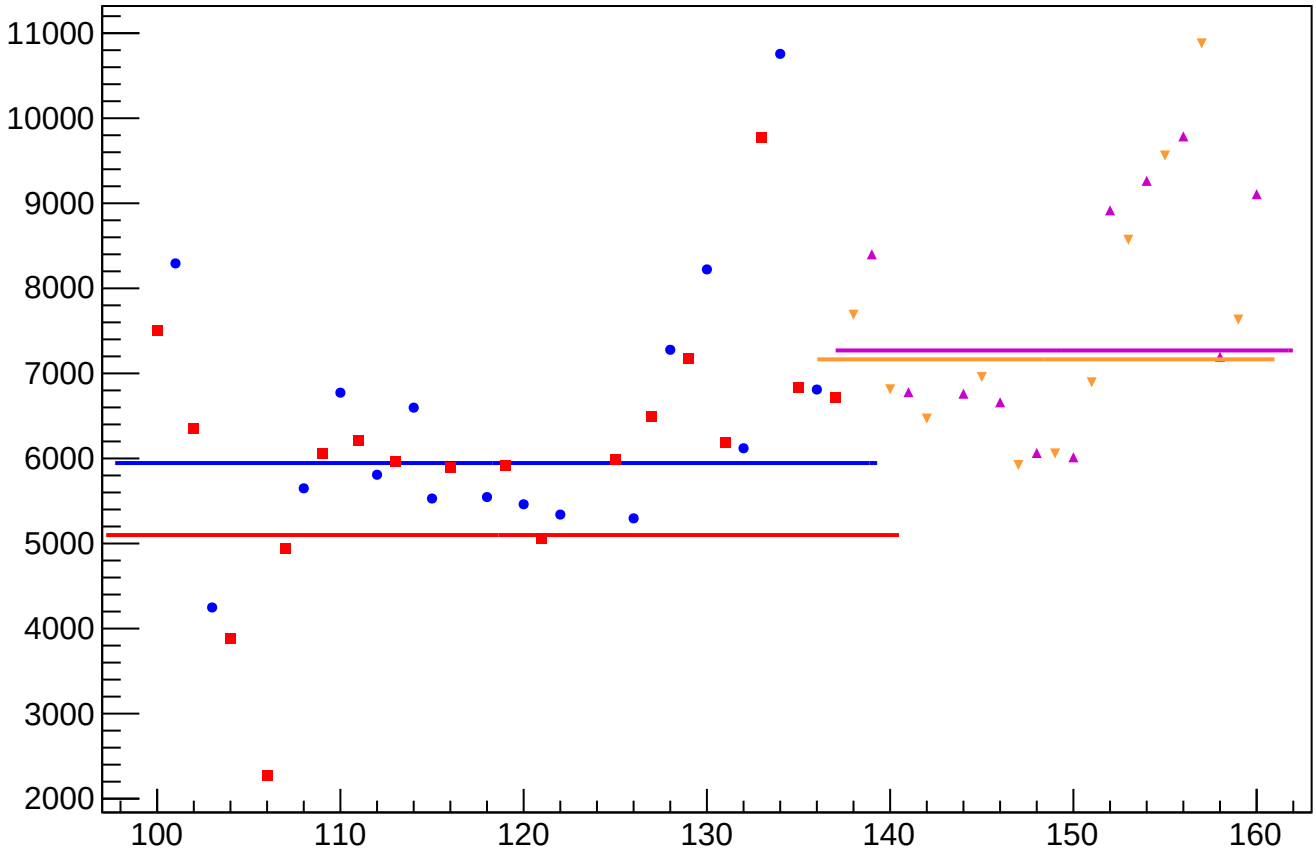
Left: -1157.814+/-1720.347 χ^2/NDF: 24.8/21

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: -243.221+/-1645.761 χ^2/NDF:21.0/26

Out: 404.009+/-1561.322 χ^2/NDF:36.5/28

All: 97.423+/-1132.696 χ^2/NDF: 57.5/55



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: 7269.974+/-1.691 χ^2/NDF:524365.1/10

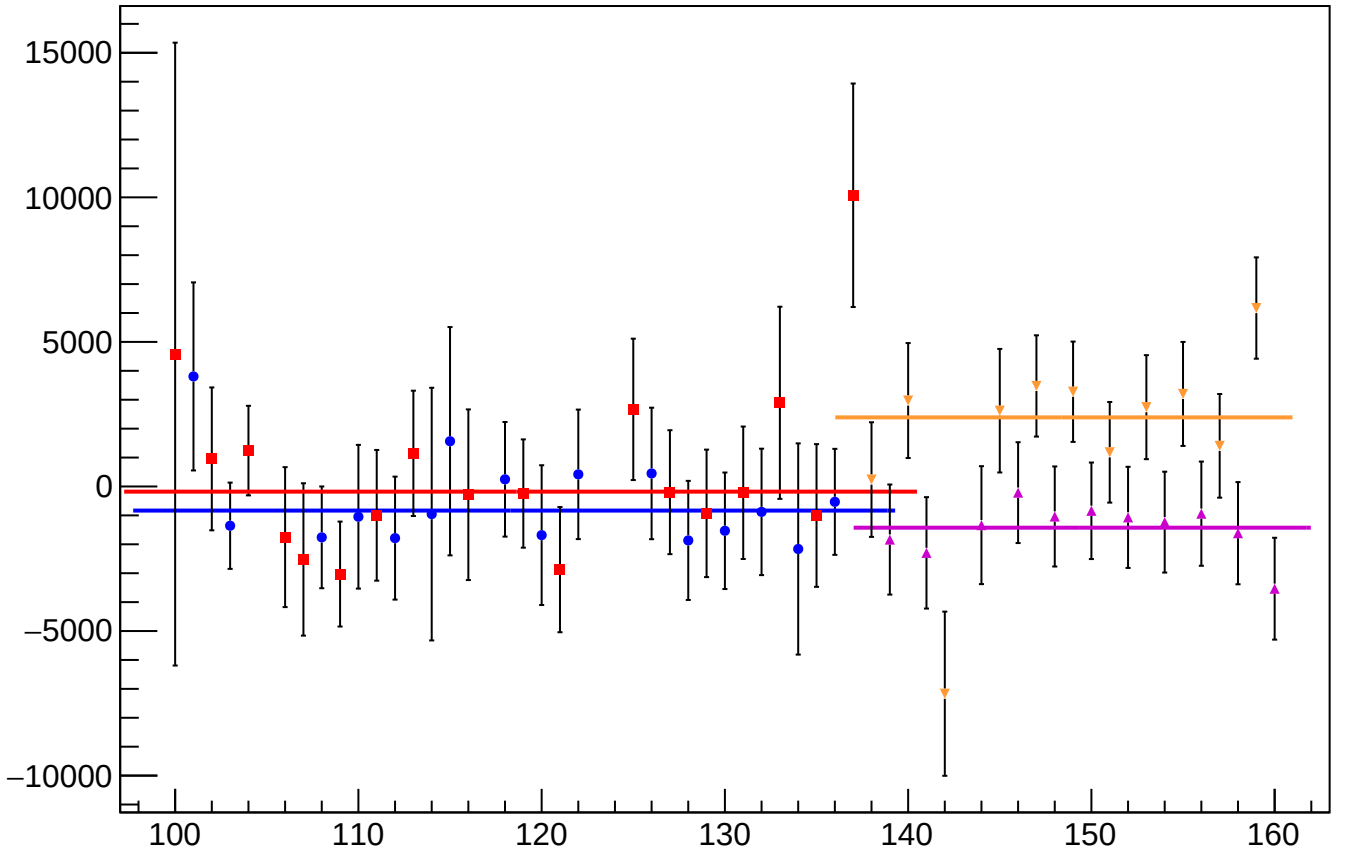
Left: 7219.346+/-1.216 χ^2/NDF: 1022011.0/21

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6572.882+/-1.164 χ^2/NDF:1488135.7/26

Out: 5920.601+/-1.104 χ^2/NDF:2814643.1/28

All: 6229.580+/-0.801 χ^2/NDF: 4468130.7/55



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: -1425.542+/-541.276 χ^2/NDF:2.5/10

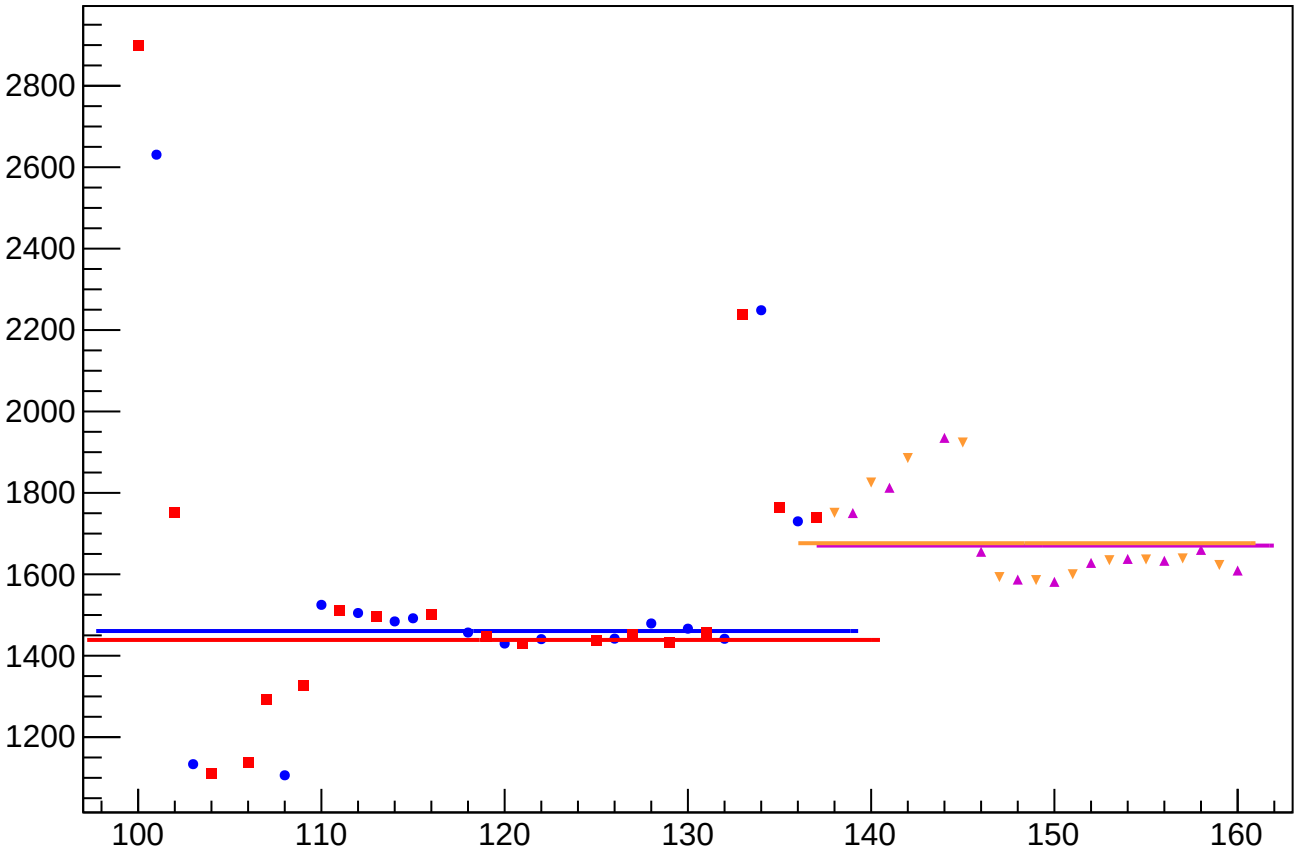
Left: 388.685+/-392.010 χ^2/NDF: 45.0/21

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1136.863+/-387.444 χ^2/NDF:7.7/26

Out: 1058.381+/-394.476 χ^2/NDF:46.0/28

All: -58.983+/-276.417 χ^2/NDF: 69.4/55



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: 1670.537+/-0.383 χ^2/NDF:63805.0/10

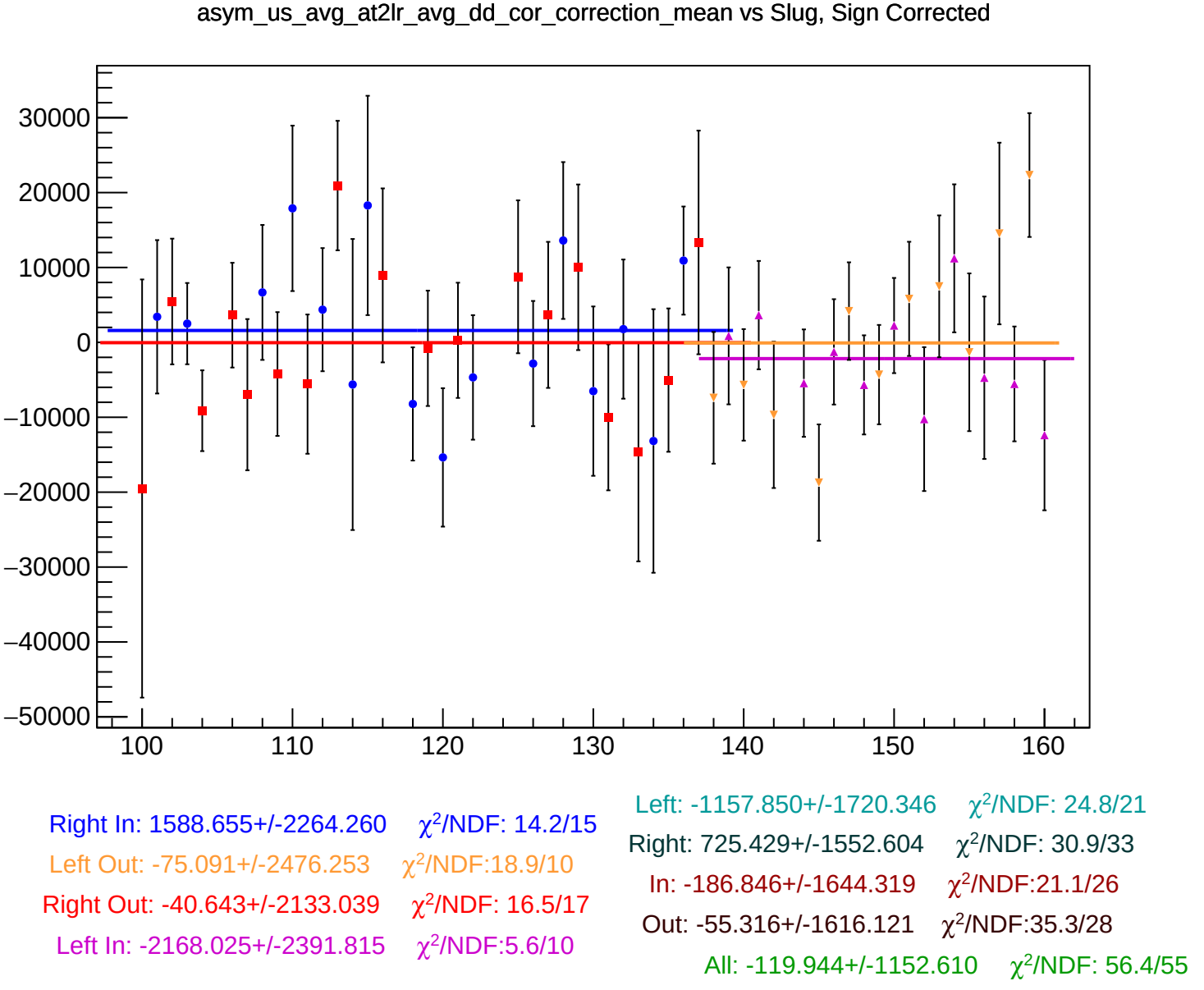
Left: 1673.312+/-0.277 χ^2/NDF: 134265.4/21

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1568.190+/-0.274 χ^2/NDF:786177.8/26

Out: 1552.899+/-0.279 χ^2/NDF:625285.4/28

All: 1560.673+/-0.195 χ^2/NDF: 1412994.9/55


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
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−20000
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−40000
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100
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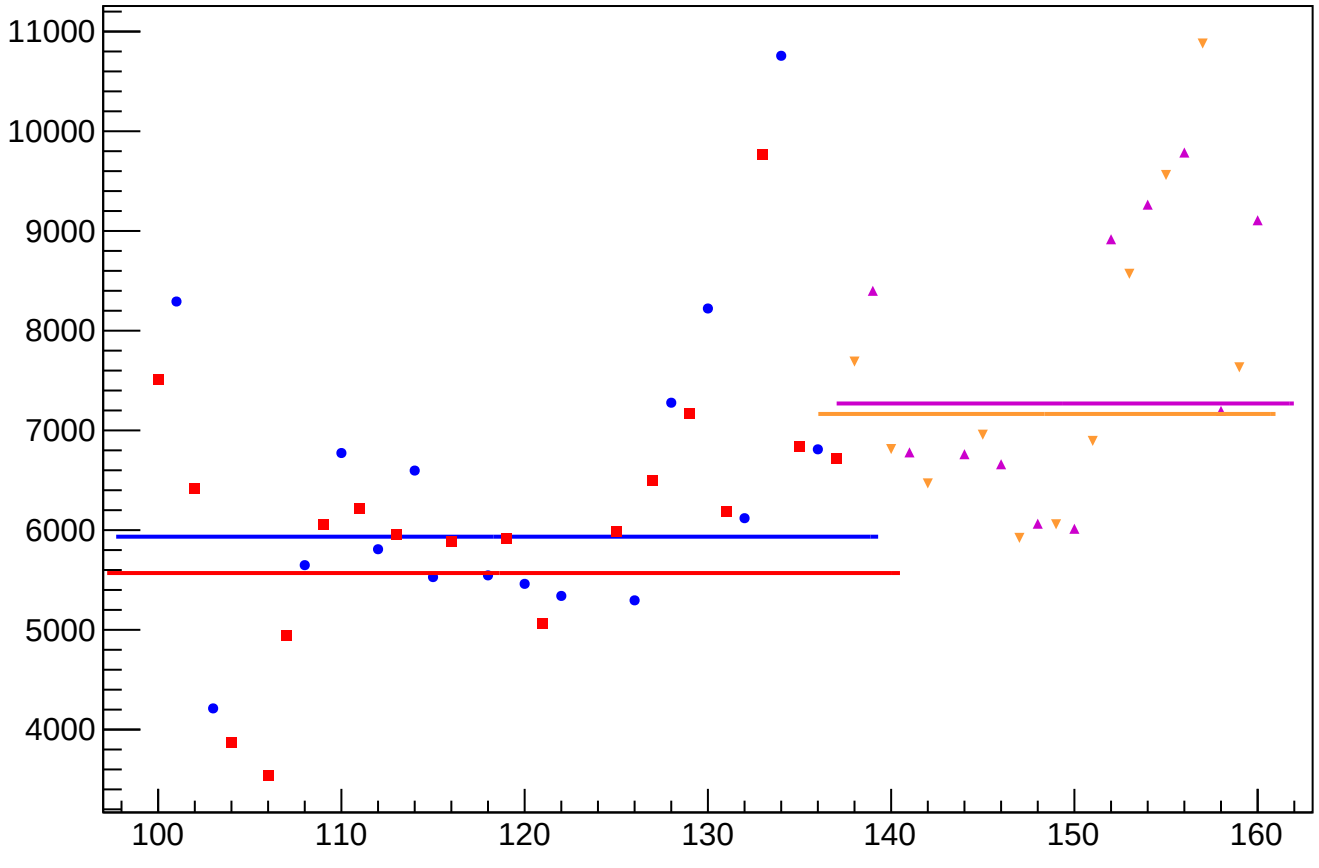
120
130
140
150
160
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -75.091+/-2476.253 χ²/NDF:18.9/10
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2168.025+/-2391.815 χ²/NDF:5.6/10
Left: -1157.850+/-1720.346 χ²/NDF: 24.8/21
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -186.846+/-1644.319 χ²/NDF:21.1/26
Out: -55.316+/-1616.121 χ²/NDF:35.3/28
All: -119.944+/-1152.610 χ²/NDF: 56.4/55



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: 7269.969+/-1.691 χ^2/NDF:524367.6/10

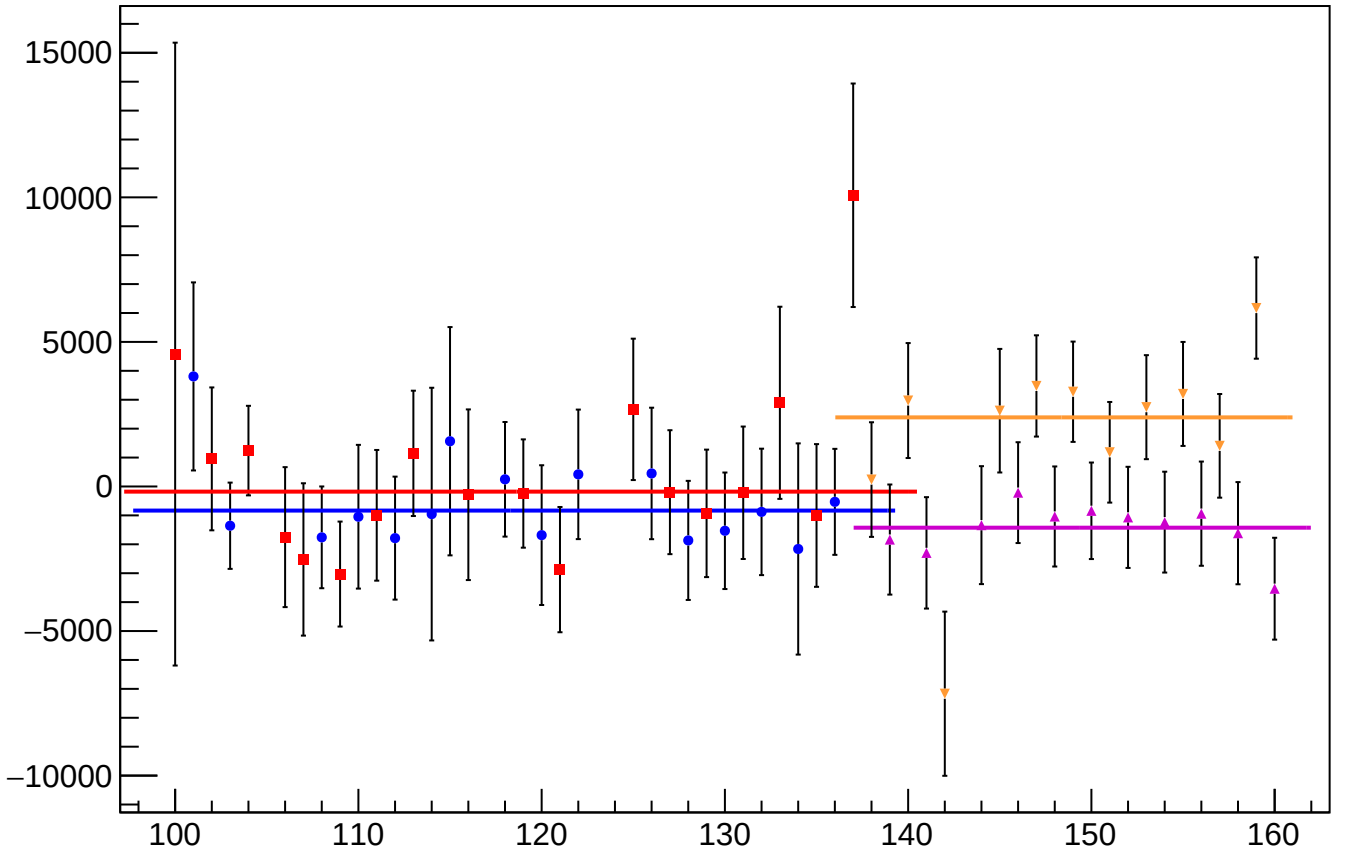
Left: 7219.342+/-1.216 χ^2/NDF: 1022012.6/21

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6565.523+/-1.163 χ^2/NDF:1506416.5/26

Out: 6249.195+/-1.143 χ^2/NDF:1696452.3/28

All: 6404.623+/-0.815 χ^2/NDF: 3240517.4/55



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: -1425.542+/-541.276 χ^2/NDF:2.5/10

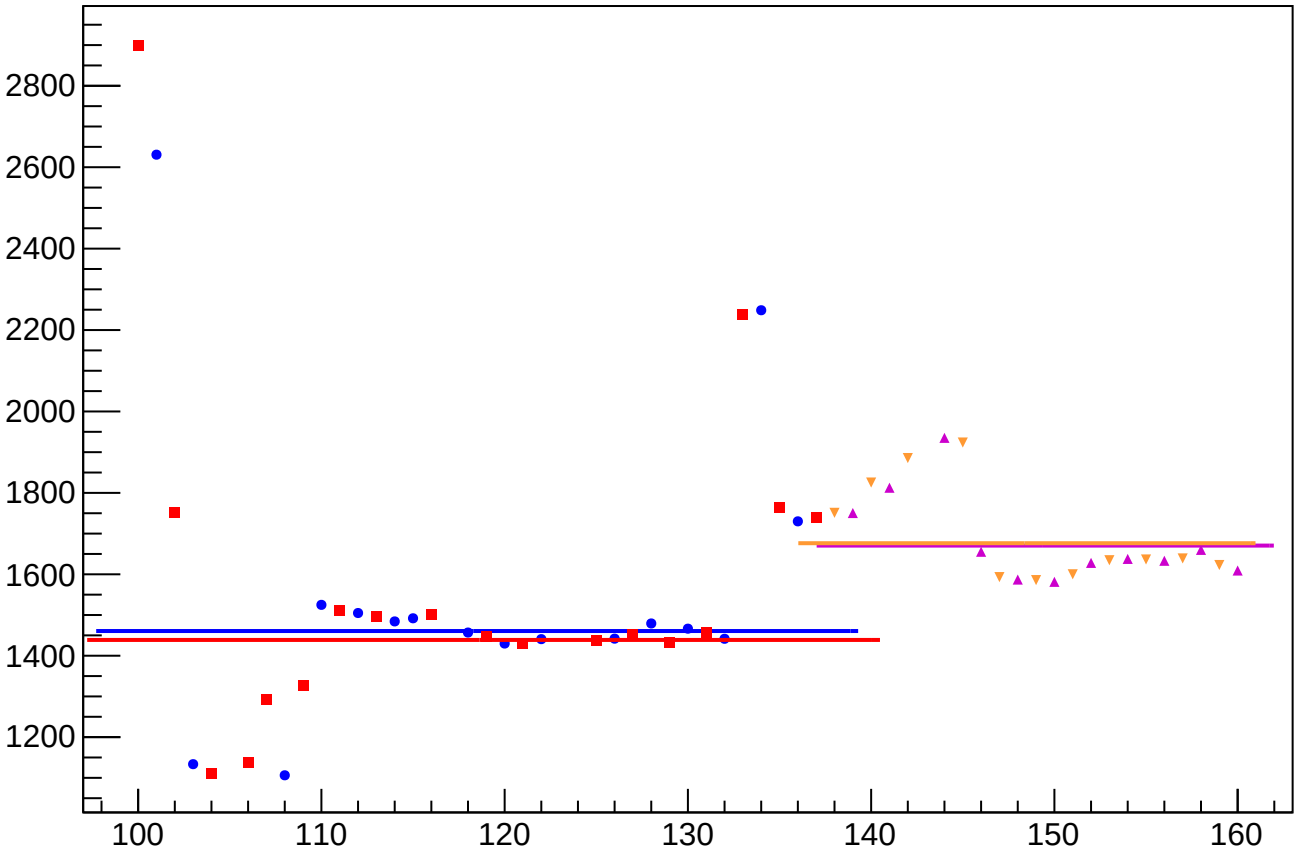
Left: 388.685+/-392.010 χ^2/NDF: 45.0/21

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1136.863+/-387.444 χ^2/NDF:7.7/26

Out: 1058.381+/-394.476 χ^2/NDF:46.0/28

All: -58.983+/-276.417 χ^2/NDF: 69.4/55



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: 1670.537+/-0.383 χ^2/NDF:63805.0/10

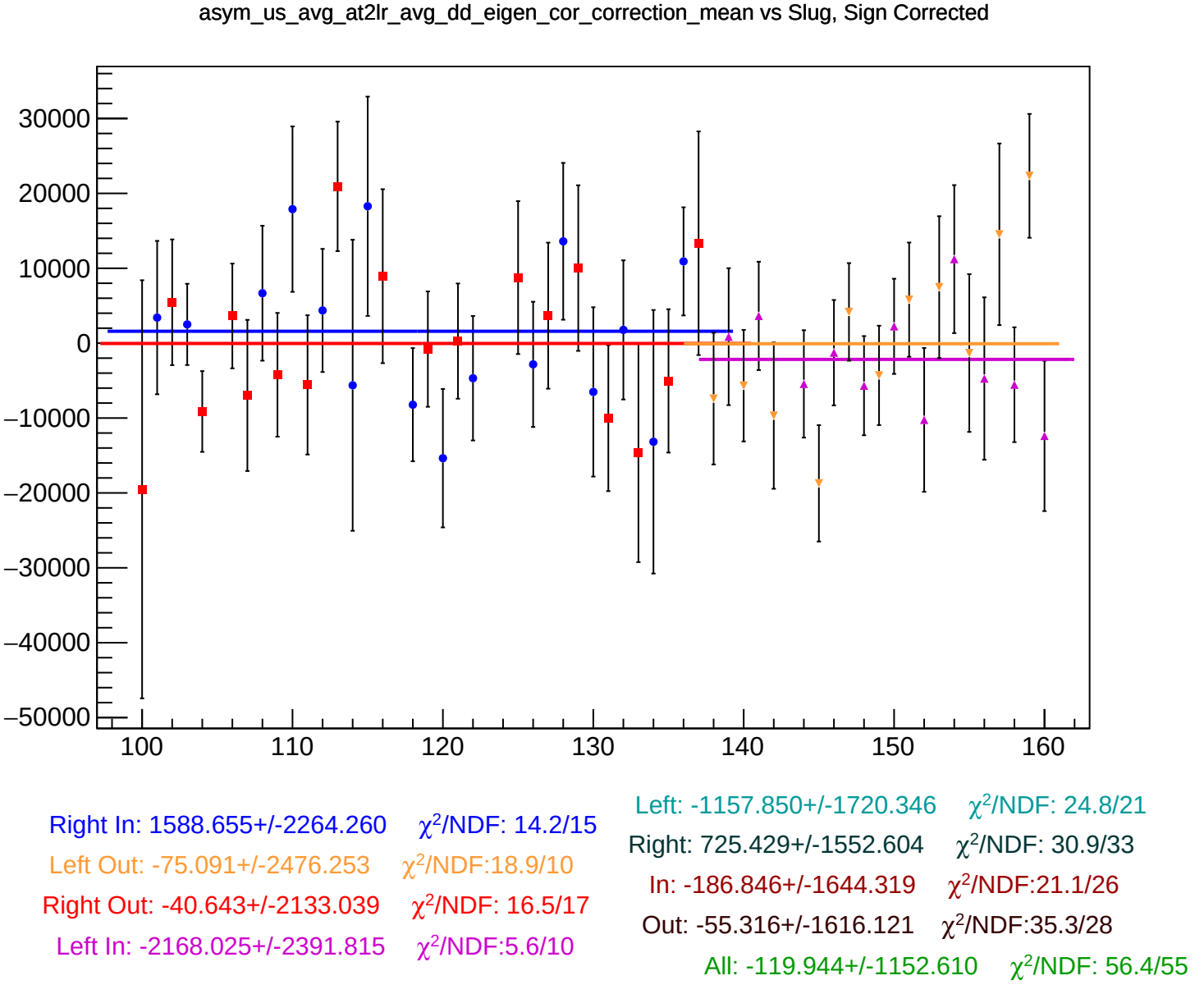
Left: 1673.312+/-0.277 χ^2/NDF: 134265.4/21

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1568.190+/-0.274 χ^2/NDF:786177.8/26

Out: 1552.899+/-0.279 χ^2/NDF:625285.4/28

All: 1560.673+/-0.195 χ^2/NDF: 1412994.9/55


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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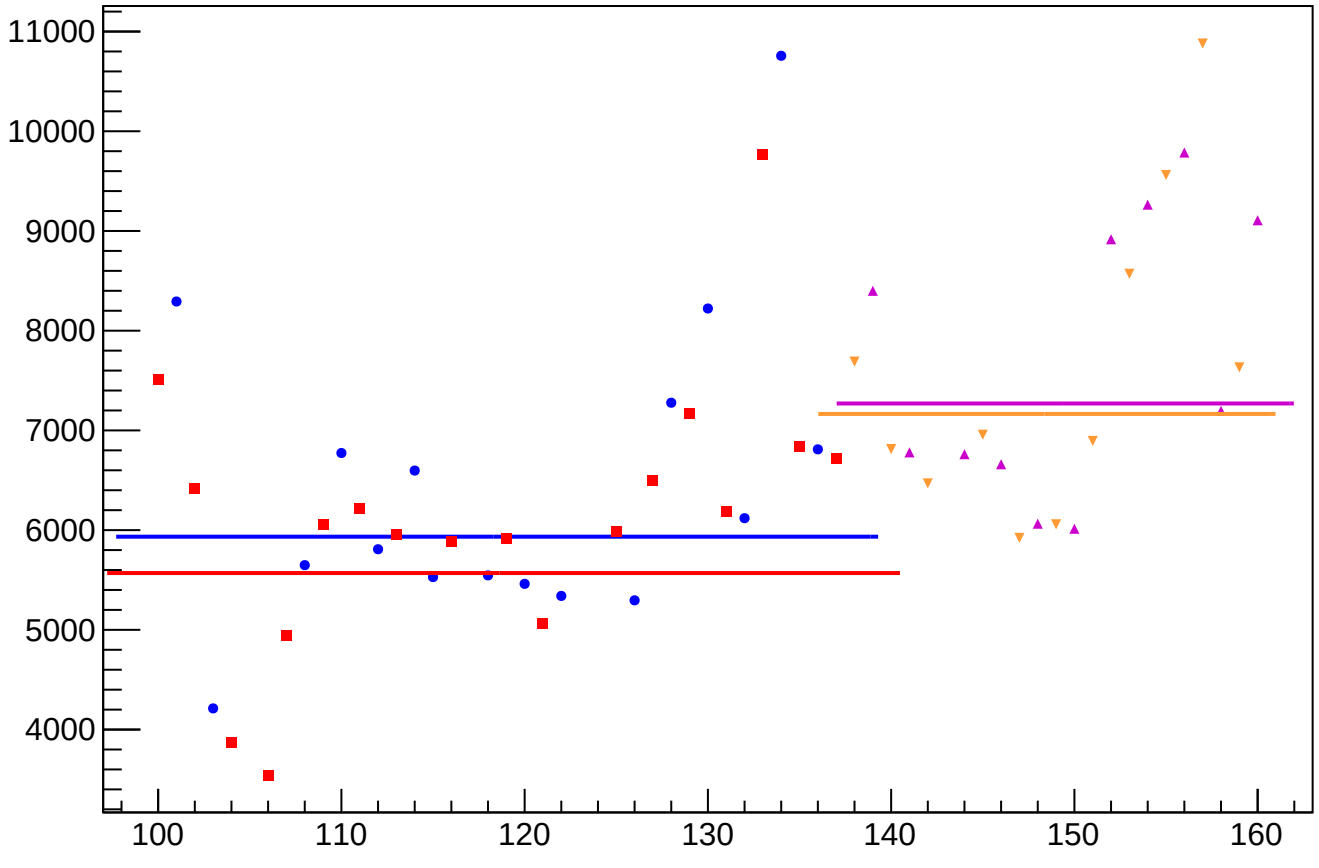
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -75.091+/-2476.253 χ²/NDF:18.9/10
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2168.025+/-2391.815 χ²/NDF:5.6/10
Left: -1157.850+/-1720.346 χ²/NDF: 24.8/21
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -186.846+/-1644.319 χ²/NDF:21.1/26
Out: -55.316+/-1616.121 χ²/NDF:35.3/28
All: -119.944+/-1152.610 χ²/NDF: 56.4/55



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: 7269.969+/-1.691 χ^2/NDF:524367.6/10

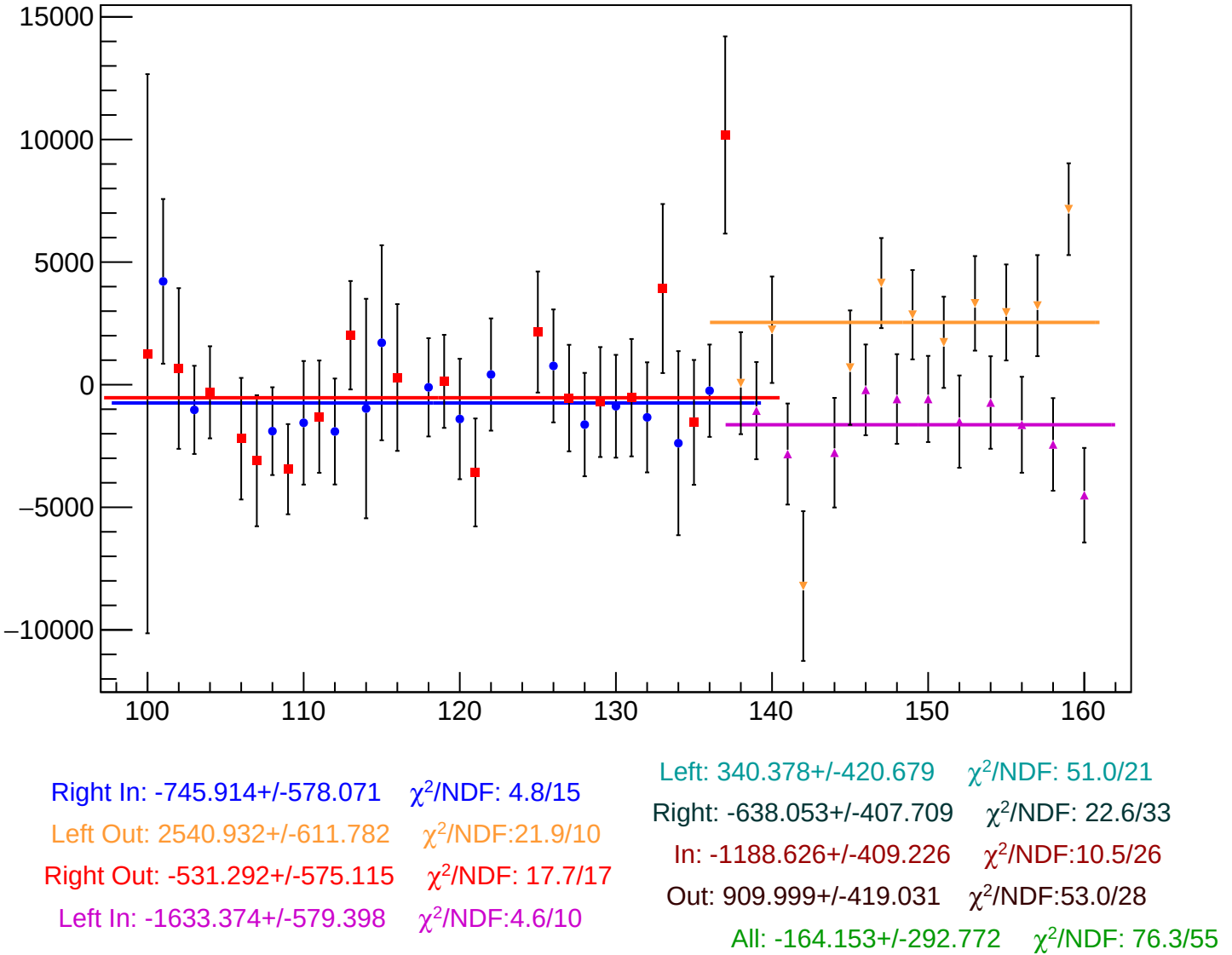
Left: 7219.342+/-1.216 χ^2/NDF: 1022012.6/21

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6565.523+/-1.163 χ^2/NDF:1506416.5/26

Out: 6249.195+/-1.143 χ^2/NDF:1696452.3/28

All: 6404.623+/-0.815 χ^2/NDF: 3240517.4/55


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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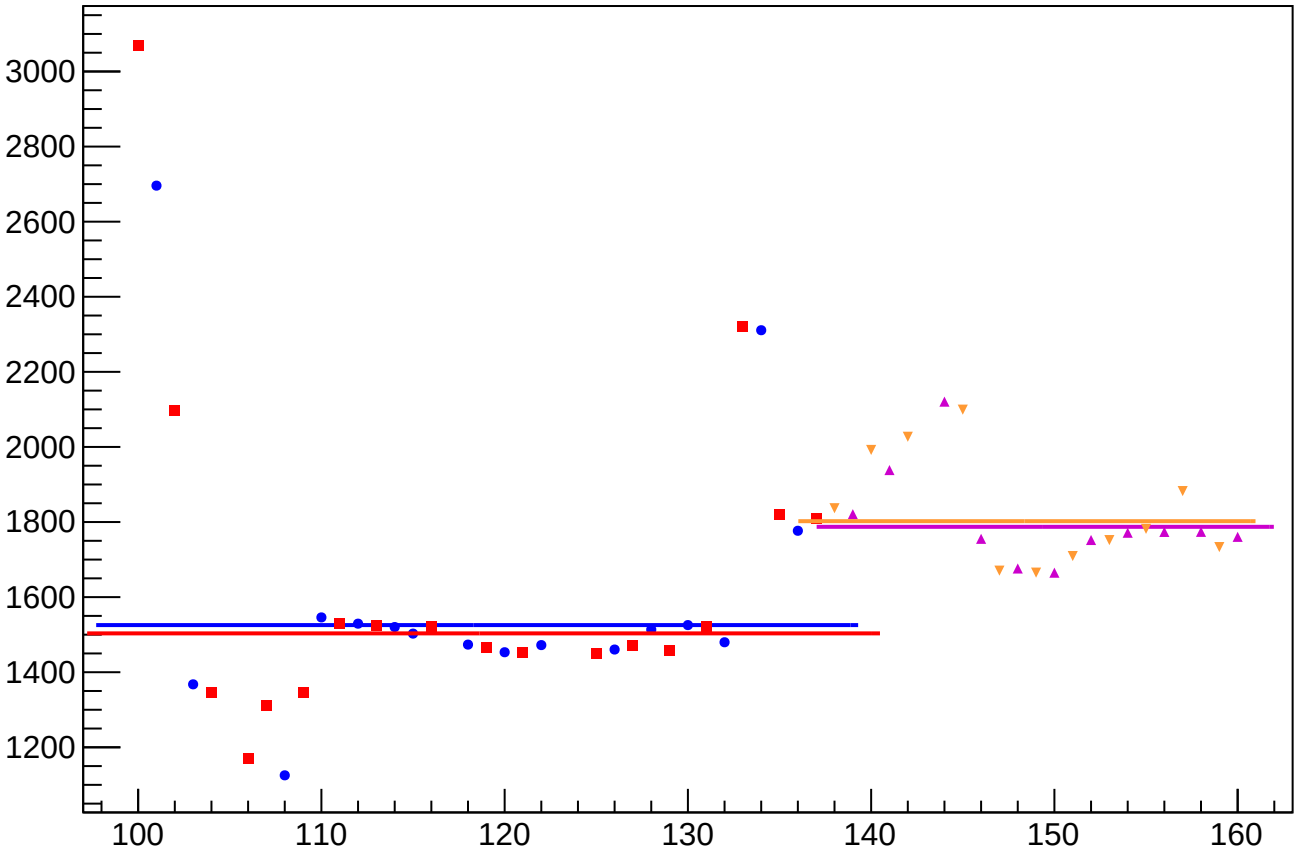
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 2540.932+/-611.782 χ²/NDF:21.9/10
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1633.374+/-579.398 χ²/NDF:4.6/10
Left: 340.378+/-420.679 χ²/NDF: 51.0/21
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1188.626+/-409.226 χ²/NDF:10.5/26
Out: 909.999+/-419.031 χ²/NDF:53.0/28
All: -164.153+/-292.772 χ²/NDF: 76.3/55



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: 1787.264+/-0.410 χ^2/NDF:74873.1/10

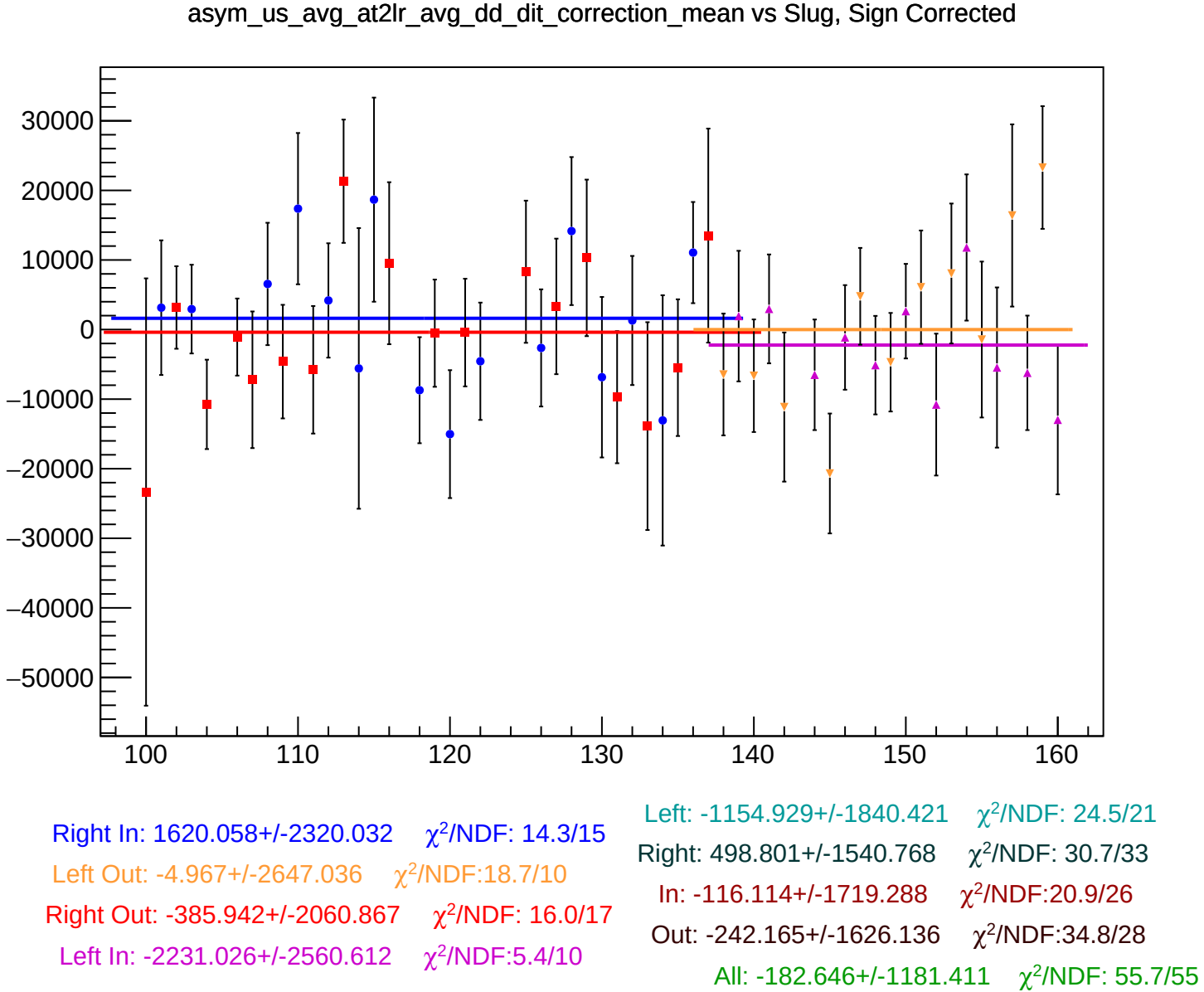
Left: 1794.351+/-0.297 χ^2/NDF: 168489.5/21

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1656.100+/-0.289 χ^2/NDF:767725.0/26

Out: 1643.577+/-0.296 χ^2/NDF:684857.8/28

All: 1649.986+/-0.207 χ^2/NDF: 1453497.2/55


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
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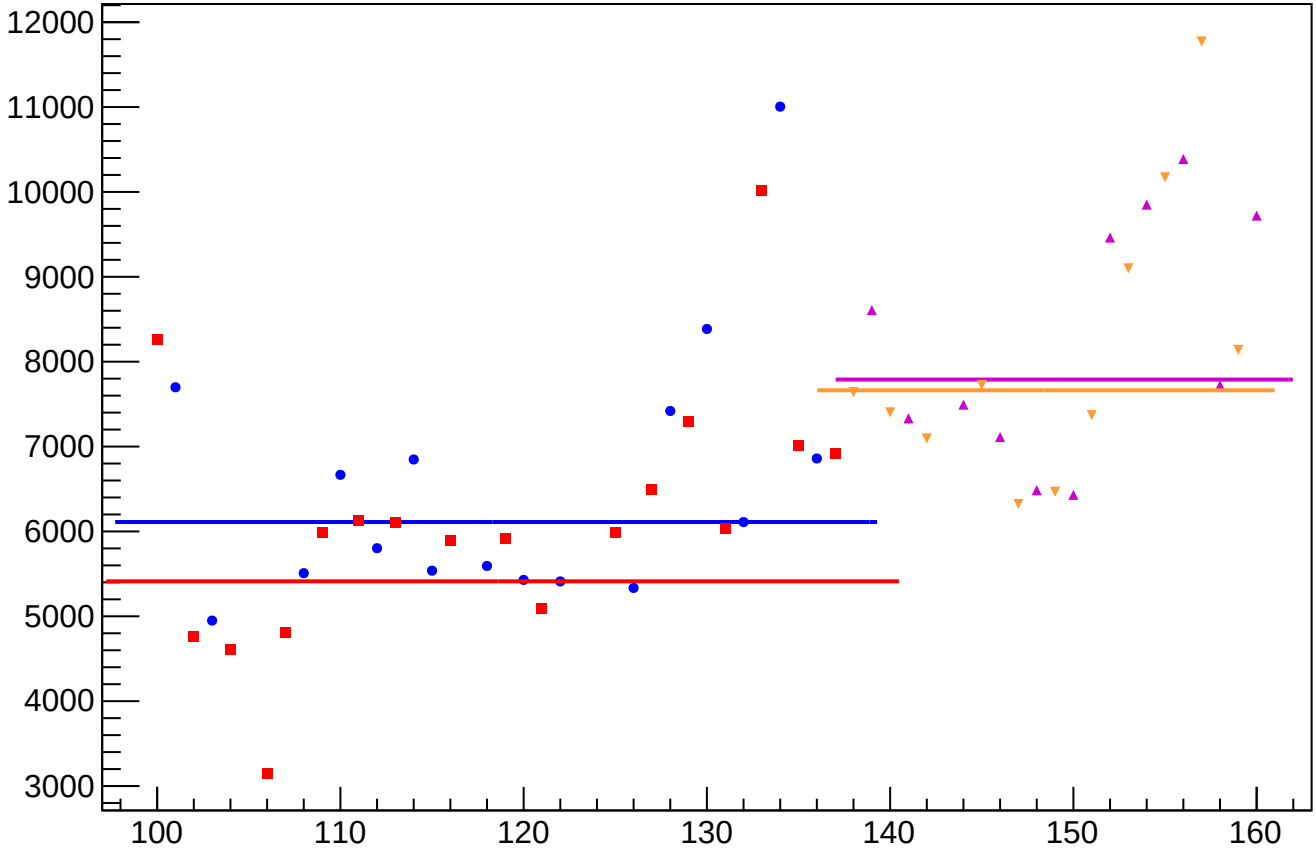
−40000
−50000
100
110
120
130
140
150
160
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: -4.967+/-2647.036 χ²/NDF:18.7/10
Right Out: -385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: -2231.026+/-2560.612 χ²/NDF:5.4/10
Left: -1154.929+/-1840.421 χ²/NDF: 24.5/21
Right: 498.801+/-1540.768 χ²/NDF: 30.7/33
In: -116.114+/-1719.288 χ²/NDF:20.9/26
Out: -242.165+/-1626.136 χ²/NDF:34.8/28
All: -182.646+/-1181.411 χ²/NDF: 55.7/55

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: 7789.491+/-1.811 χ^2/NDF:486632.1/10

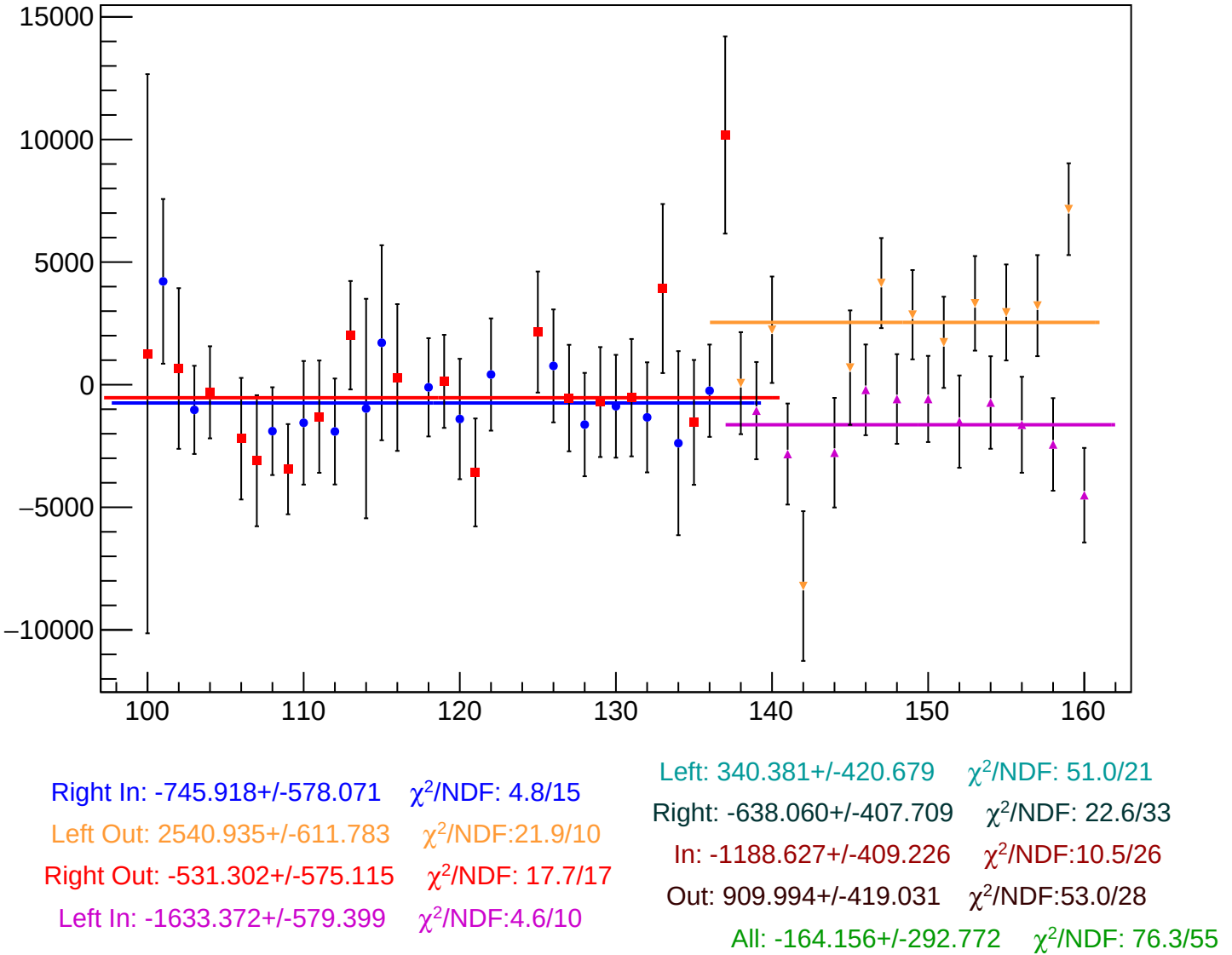
Left: 7728.456+/-1.301 χ^2/NDF: 974434.9/21

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6867.729+/-1.216 χ^2/NDF:1430216.2/26

Out: 6261.772+/-1.150 χ^2/NDF:2207429.1/28

All: 6547.891+/-0.835 χ^2/NDF: 3768776.2/55


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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140
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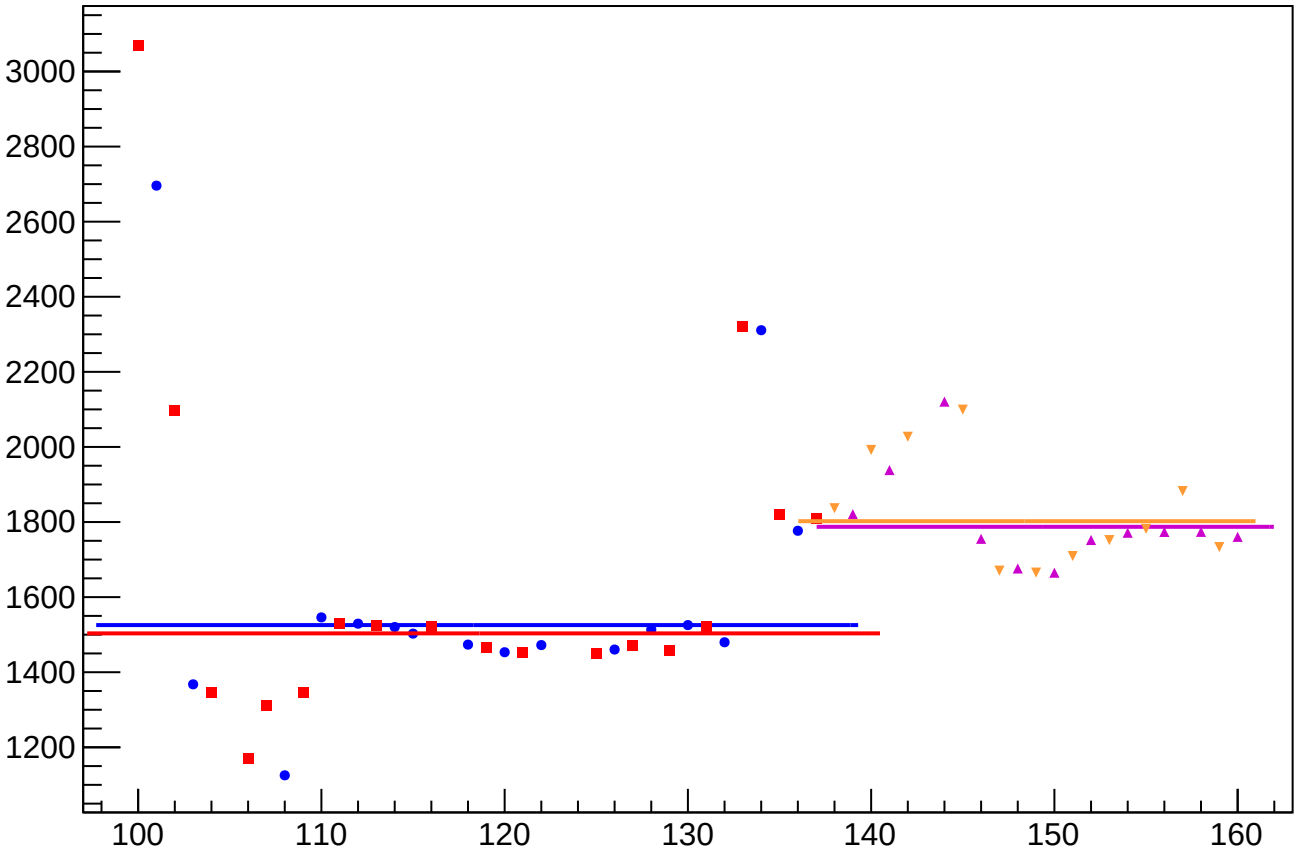
160
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 2540.935+/-611.783 χ²/NDF:21.9/10
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1633.372+/-579.399 χ²/NDF:4.6/10
Left: 340.381+/-420.679 χ²/NDF: 51.0/21
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1188.627+/-409.226 χ²/NDF:10.5/26
Out: 909.994+/-419.031 χ²/NDF:53.0/28
All: -164.156+/-292.772 χ²/NDF: 76.3/55


eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
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2600
2400
2200
2000
1800
1600
1400
1200
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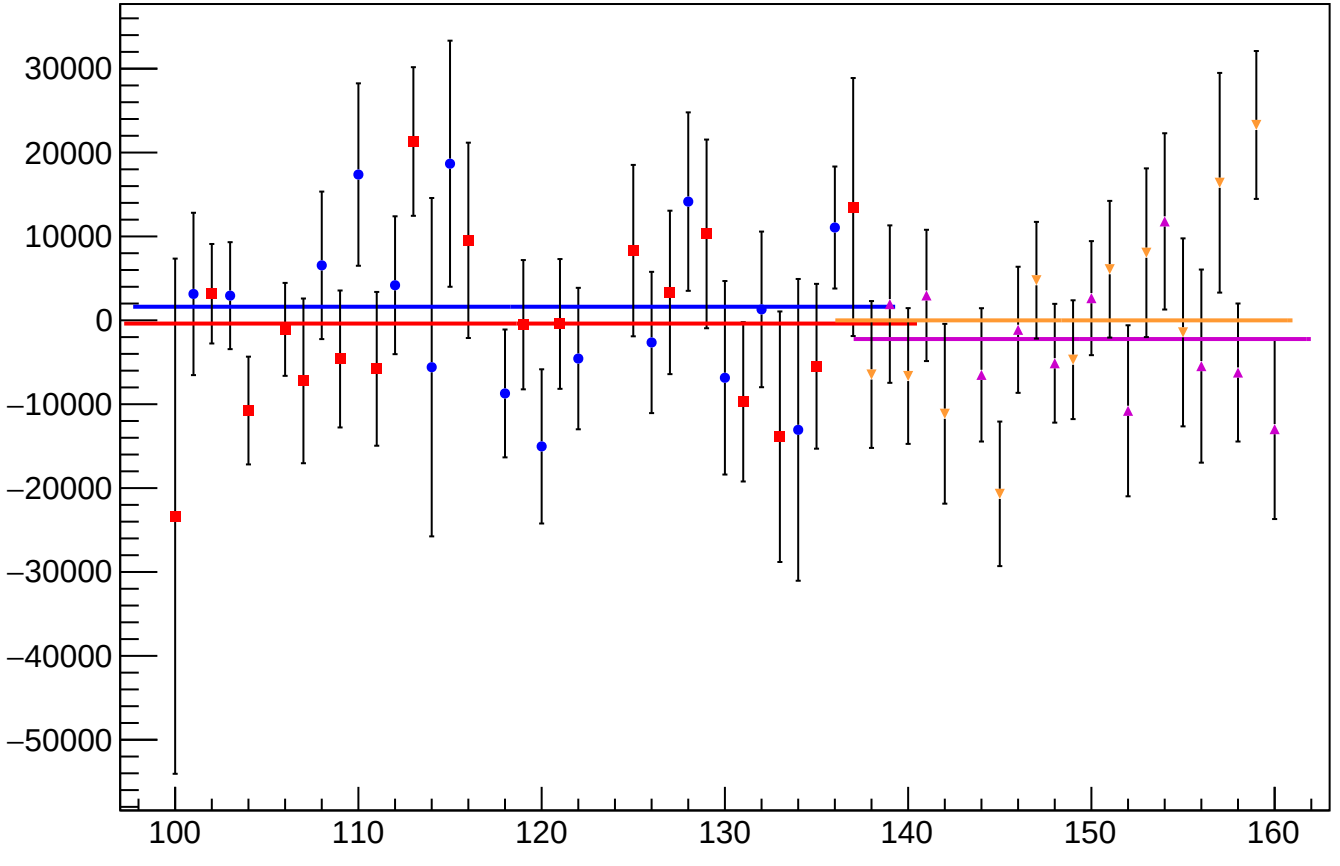
150
160
Right In: 1525.536+/-0.409 χ²/NDF: 488327.8/15
Left Out: 1802.254+/-0.433 χ²/NDF:92984.7/10
Right Out: 1503.435+/-0.407 χ²/NDF: 338507.7/17
Left In: 1787.267+/-0.410 χ²/NDF:74873.2/10
Left: 1794.353+/-0.297 χ²/NDF: 168490.6/21
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1656.101+/-0.289 χ²/NDF:767728.3/26
Out: 1643.578+/-0.296 χ²/NDF:684862.5/28
All: 1649.987+/-0.207 χ²/NDF: 1453505.2/55

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -2231.024+/-2560.615 χ^2/NDF:5.4/10

Left: -1154.927+/-1840.423 χ^2/NDF: 24.5/21

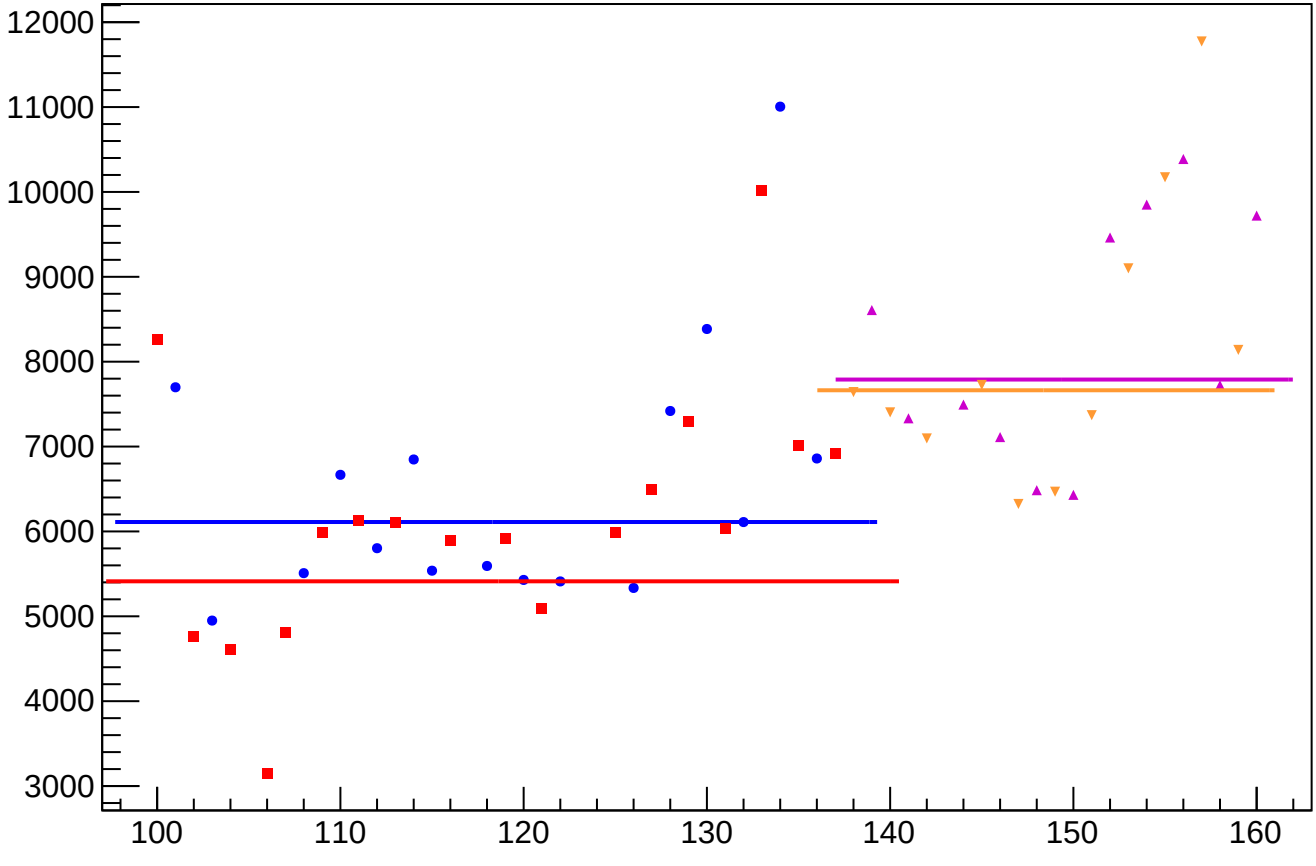
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: -116.118+/-1719.287 χ^2/NDF:20.9/26

Out: -242.168+/-1626.135 χ^2/NDF:34.8/28

All: -182.650+/-1181.410 χ^2/NDF: 55.7/55

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: 7789.500+/-1.811 χ^2/NDF:486632.2/10

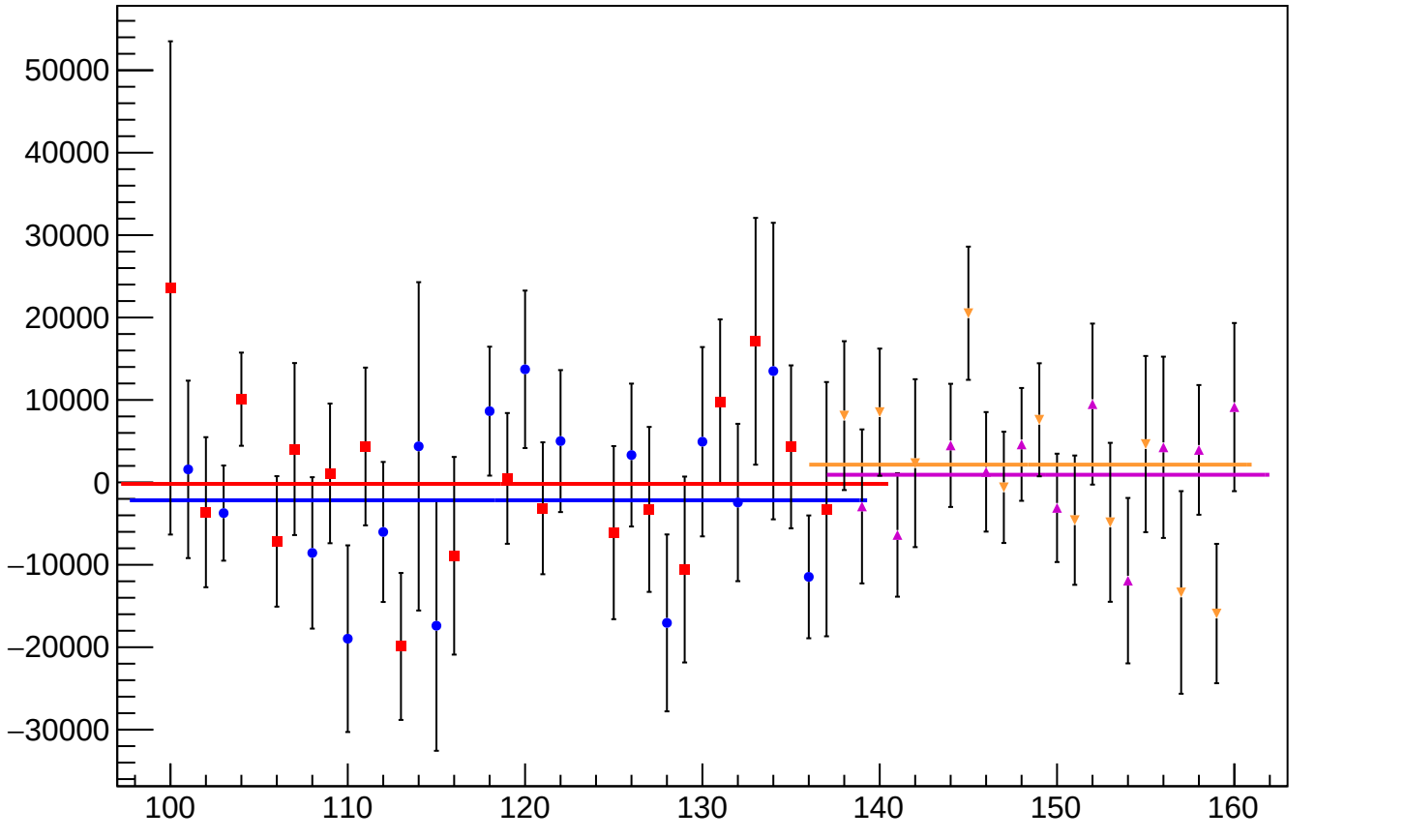
Left: 7728.465+/-1.301 χ^2/NDF: 974435.4/21

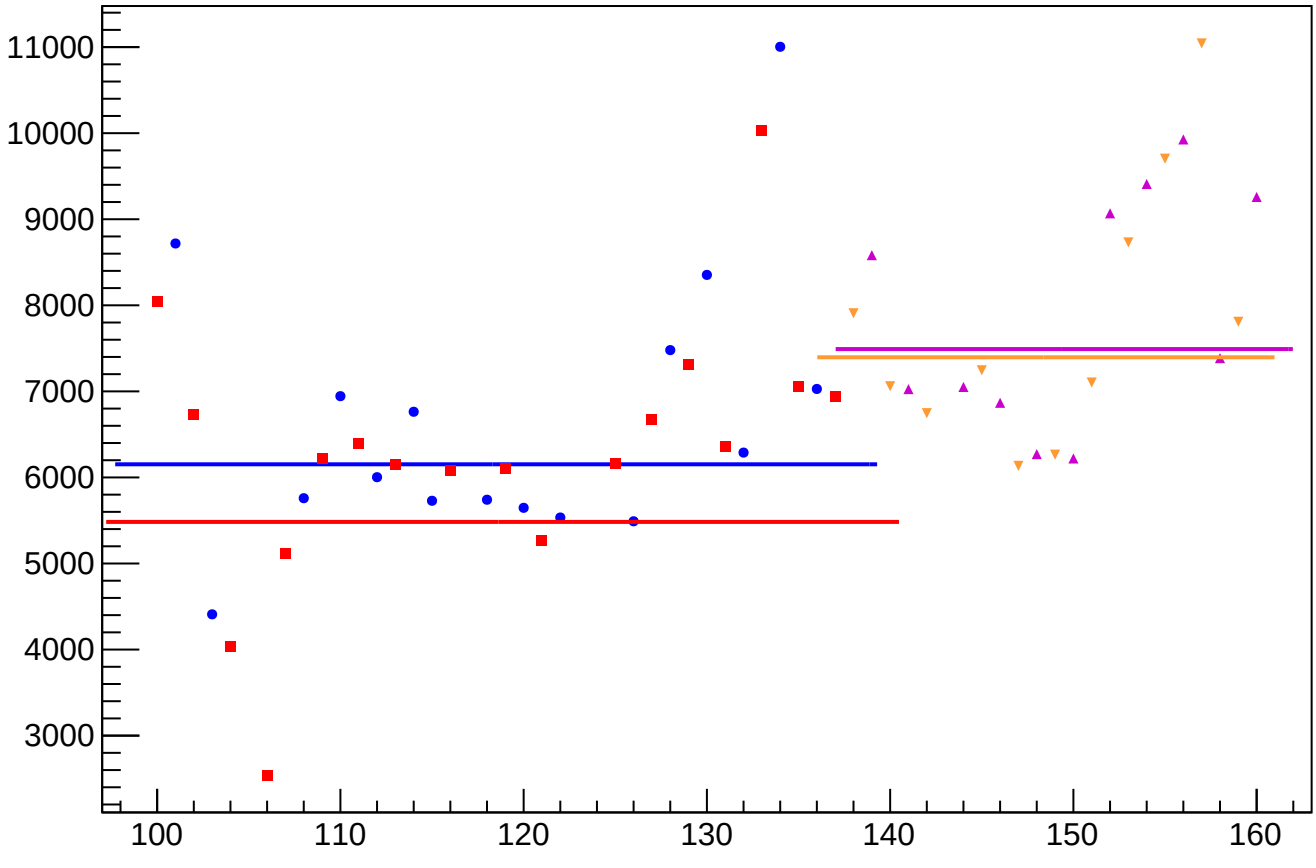
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6867.723+/-1.216 χ^2/NDF:1430231.5/26

Out: 6261.765+/-1.150 χ^2/NDF:2207446.2/28

All: 6547.884+/-0.835 χ^2/NDF: 3768809.2/55


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 2151.731+/-2551.564 χ²/NDF:14.6/10
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 921.953+/-2460.949 χ²/NDF:5.3/10
Left: 1514.618+/-1771.322 χ²/NDF: 20.0/21
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -698.945+/-1698.686 χ²/NDF:20.7/26
Out: 827.168+/-1678.623 χ²/NDF:29.7/28
All: 73.178+/-1193.996 χ²/NDF: 50.8/55



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: 7491.593+/-1.740 χ^2/NDF:478811.5/10

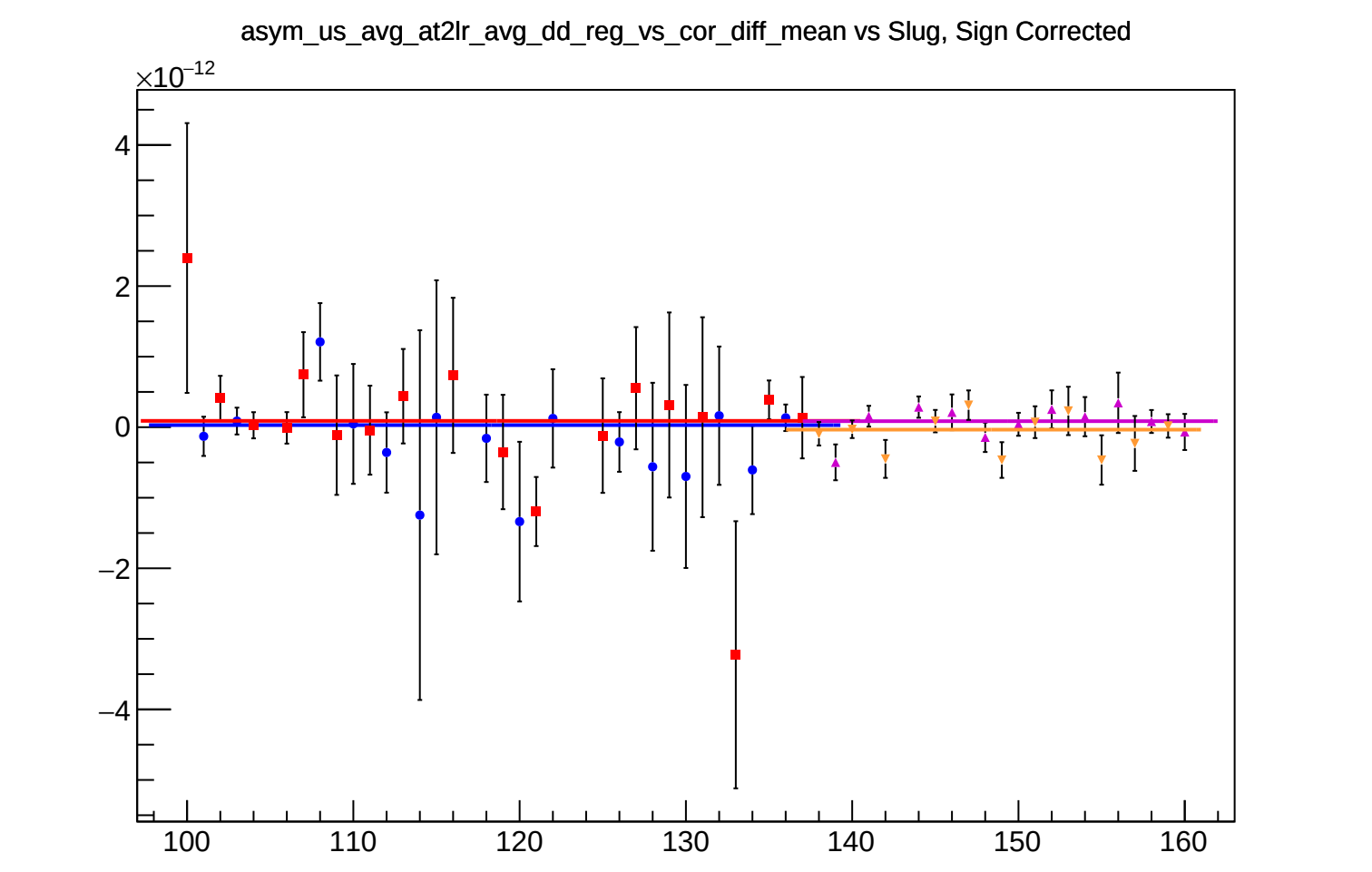
Left: 7445.488+/-1.253 χ^2/NDF: 938826.1/21

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6790.612+/-1.201 χ^2/NDF:1412780.1/26

Out: 6276.958+/-1.162 χ^2/NDF:2264711.0/28

All: 6525.326+/-0.835 χ^2/NDF: 3771939.0/55



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:9.9/10

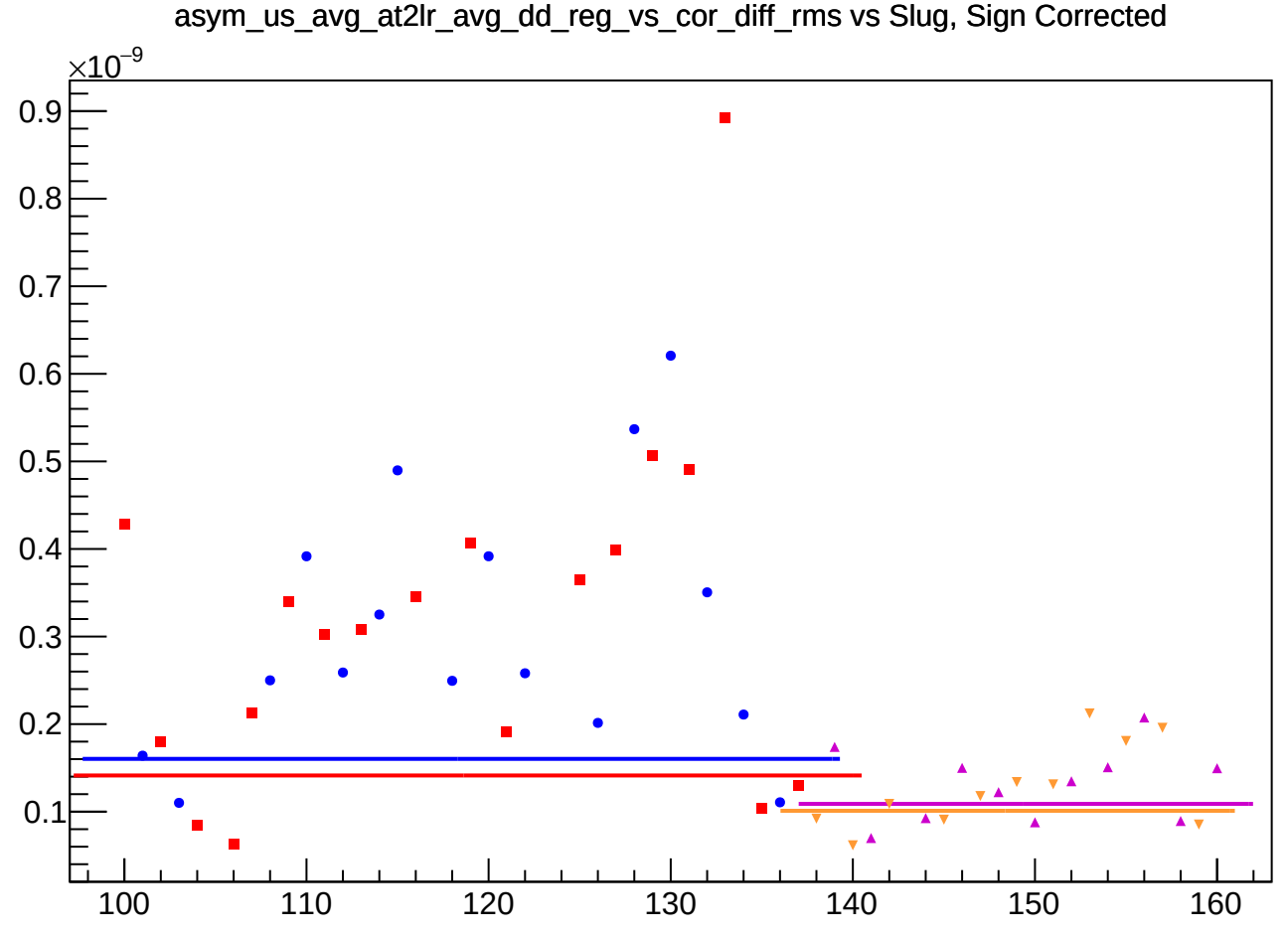
Left: 0.000+/-0.000 χ^2/NDF: 23.3/21

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

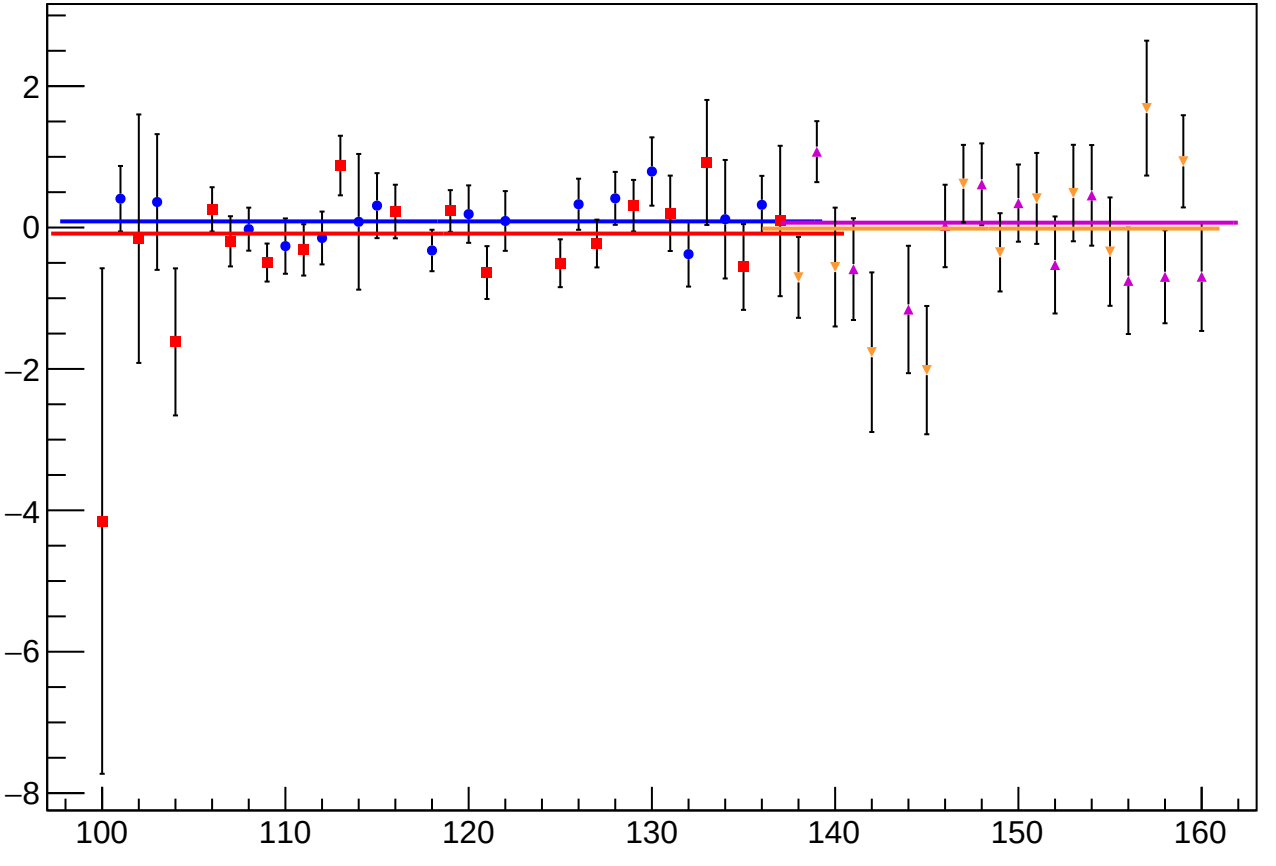
In: 0.000+/-0.000 χ^2/NDF:19.7/26

Out: -0.000+/-0.000 χ^2/NDF:29.0/28

All: 0.000+/-0.000 χ^2/NDF: 49.7/55


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:637886.6/10
Left: 0.000+/-0.000 χ²/NDF: 1402841.7/21
Right: 0.000+/-0.000 χ²/NDF: 3529311.8/33
In: 0.000+/-0.000 χ²/NDF:2332271.9/26
Out: 0.000+/-0.000 χ²/NDF:3143422.7/28
All: 0.000+/-0.000 χ²/NDF: 5517250.4/55

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: 0.069+/-0.190 χ^2/NDF:13.9/10

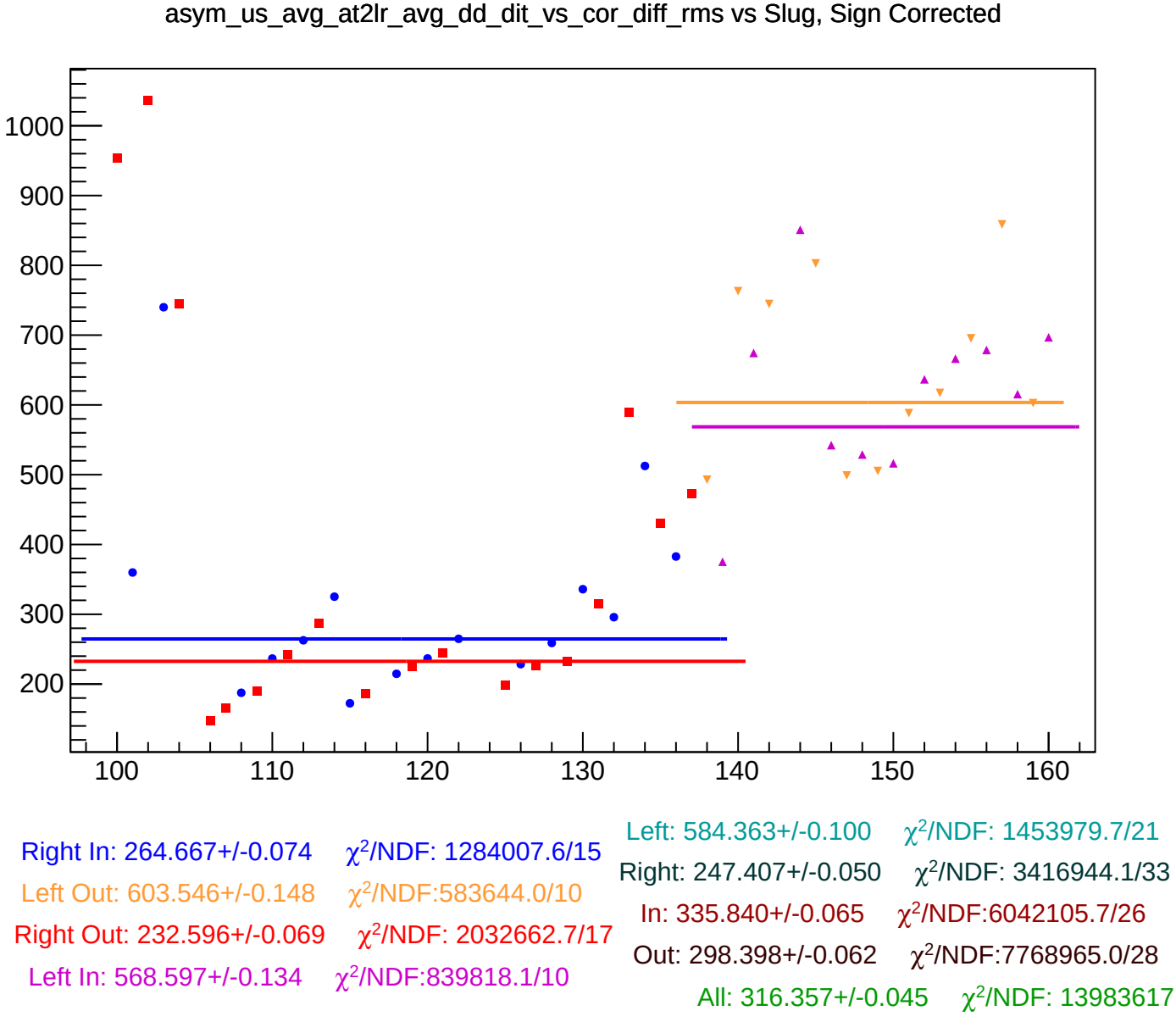
Left: 0.031+/-0.141 χ^2/NDF: 31.3/21

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

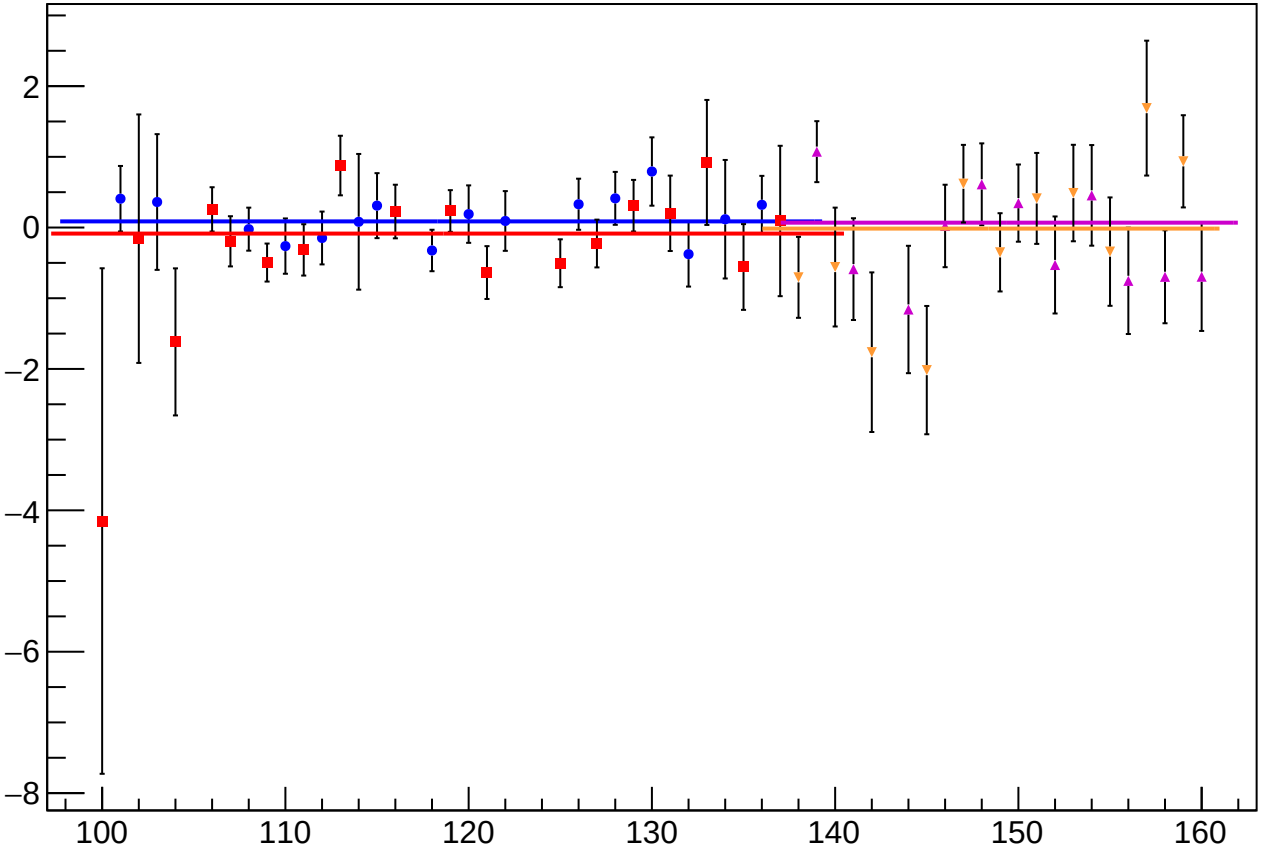
In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.002+/-0.064 χ^2/NDF: 63.4/55


asym_us_avg_at2lr_avg_dd_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: 1284007.6/15
Left Out: 603.546+/-0.148 χ²/NDF:583644.0/10
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 568.597+/-0.134 χ²/NDF:839818.1/10
Left: 584.363+/-0.100 χ²/NDF: 1453979.7/21
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 335.840+/-0.065 χ²/NDF:6042105.7/26
Out: 298.398+/-0.062 χ²/NDF:7768965.0/28
All: 316.357+/-0.045 χ²/NDF: 13983617.7/55

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: 0.069+/-0.190 χ^2/NDF:13.9/10

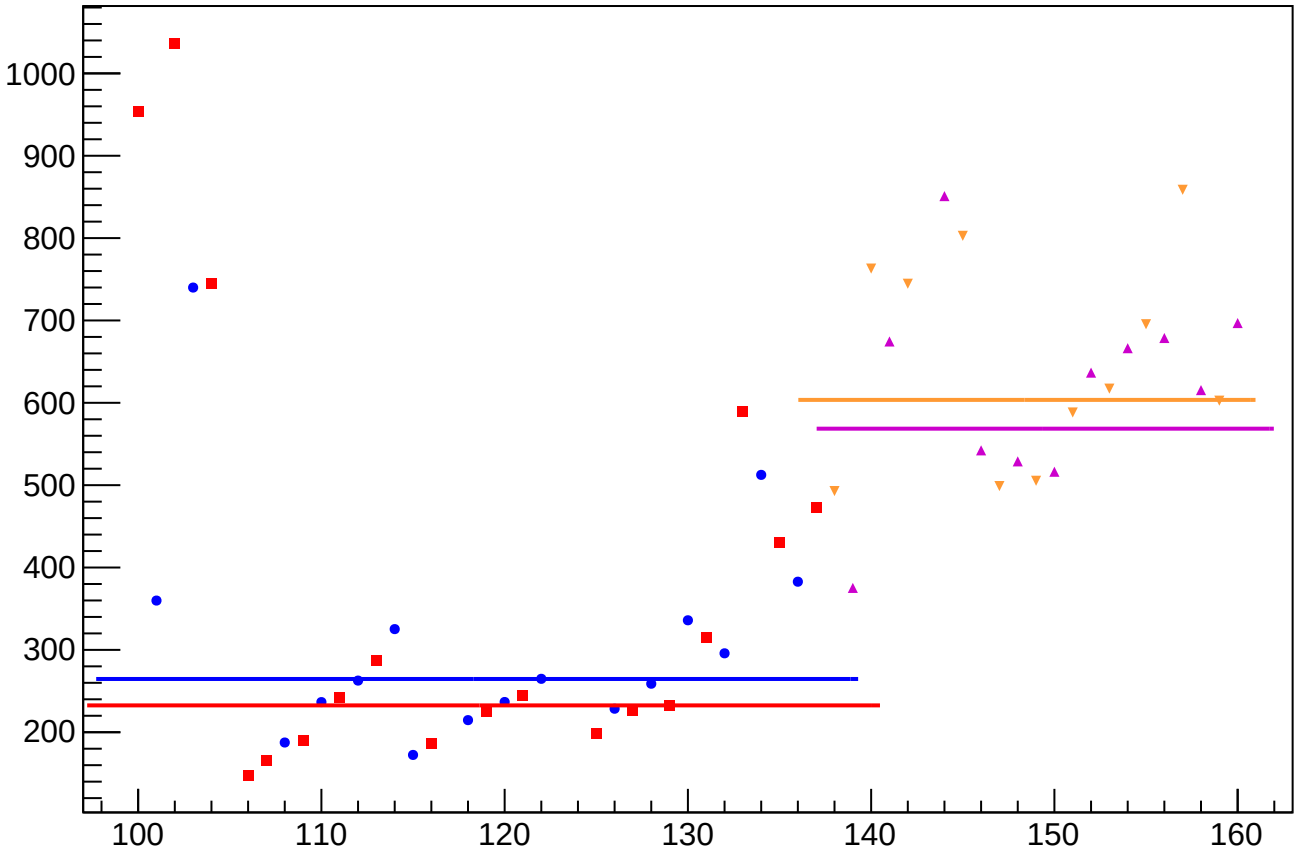
Left: 0.031+/-0.141 χ^2/NDF: 31.3/21

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.002+/-0.064 χ^2/NDF: 63.4/55



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: 568.597+/-0.134 χ^2/NDF:839818.1/10

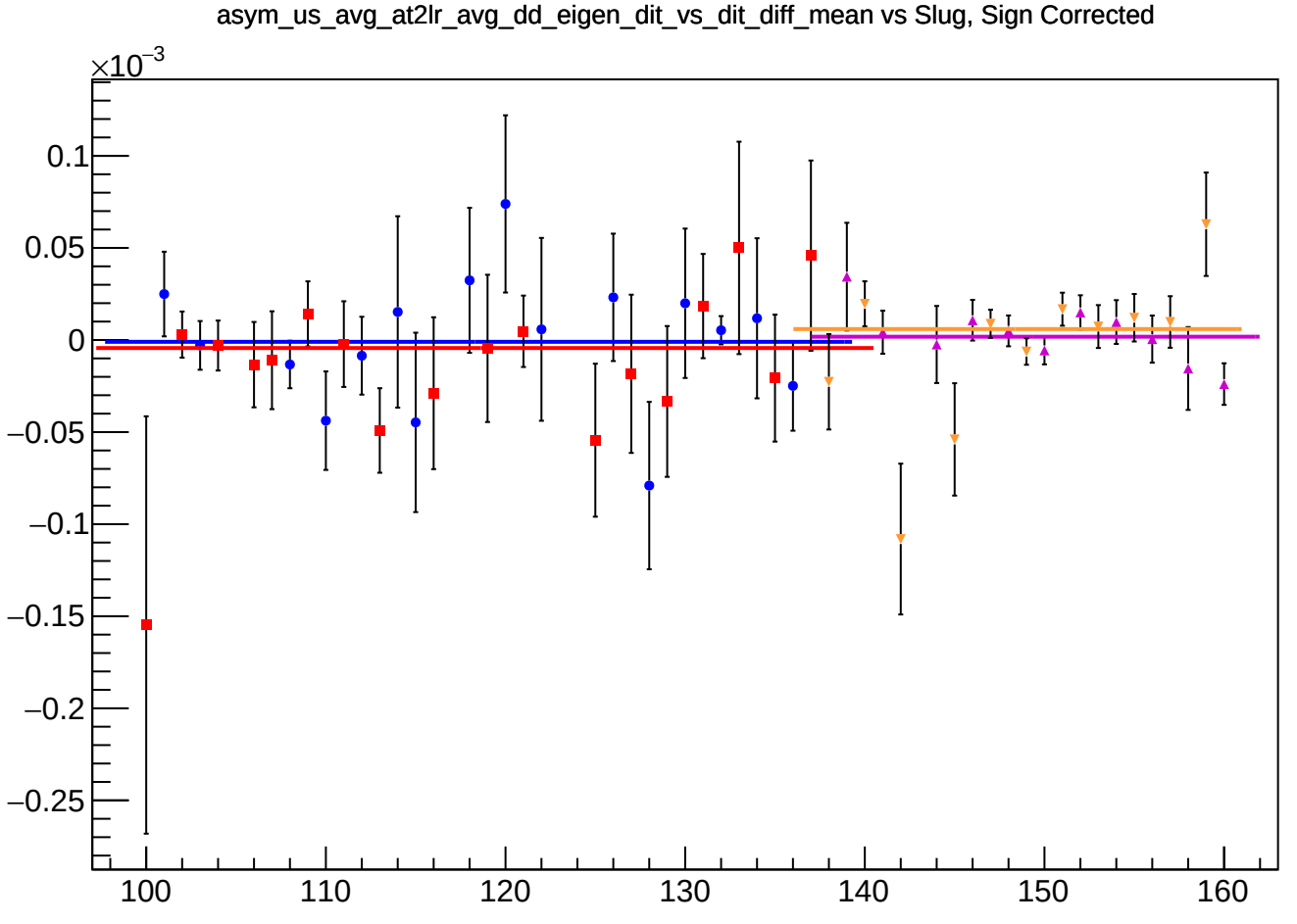
Left: 584.363+/-0.100 χ^2/NDF: 1453979.7/21

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 335.840+/-0.065 χ^2/NDF:6042105.7/26

Out: 298.398+/-0.062 χ^2/NDF:7768965.0/28

All: 316.357+/-0.045 χ^2/NDF: 13983617.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/10

Left: 0.000+/-0.000 χ^2/NDF: 35.0/21

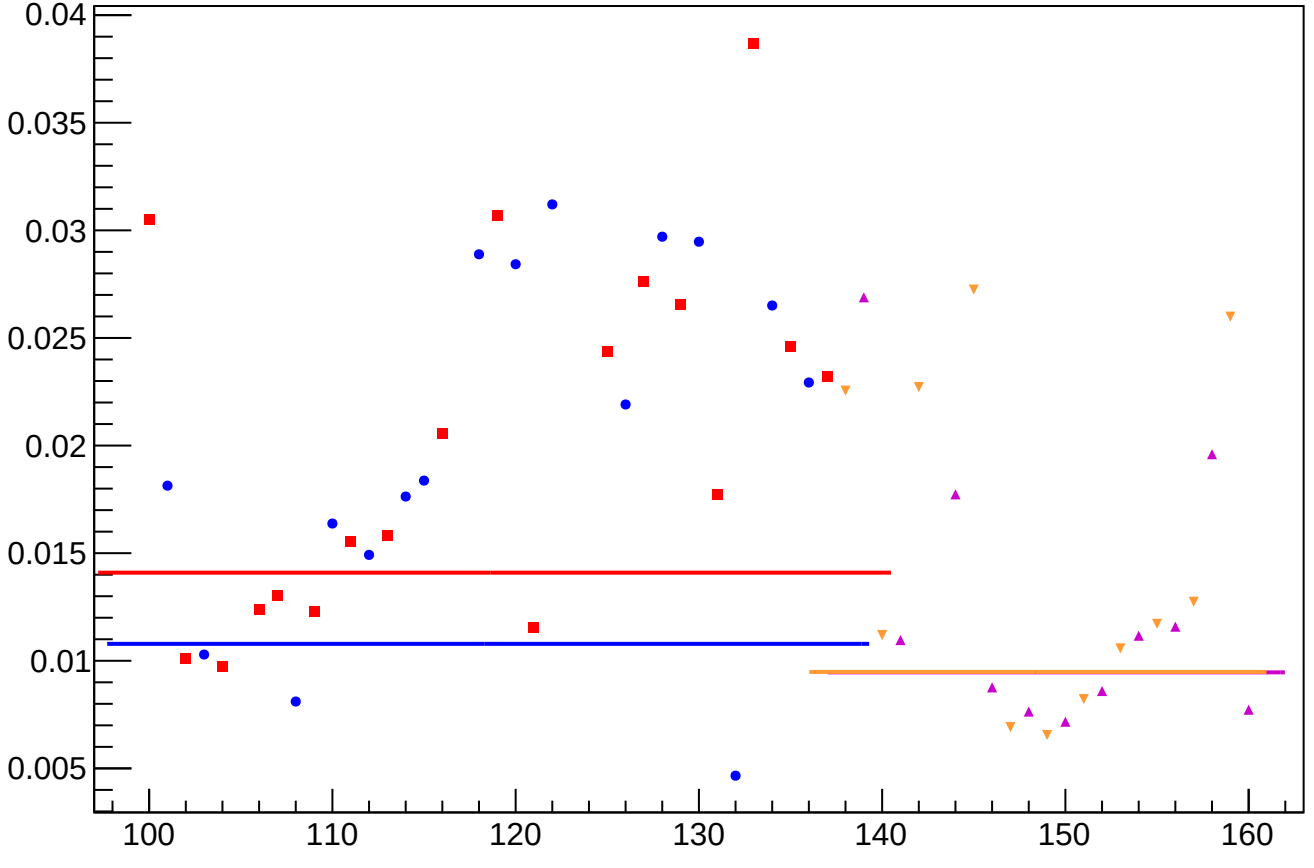
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:25.9/26

Out: 0.000+/-0.000 χ^2/NDF:37.9/28

All: 0.000+/-0.000 χ^2/NDF: 64.1/55

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2913320.6/10

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1907400.0/10

Left: 0.009+/-0.000 χ^2/NDF: 4820754.3/21

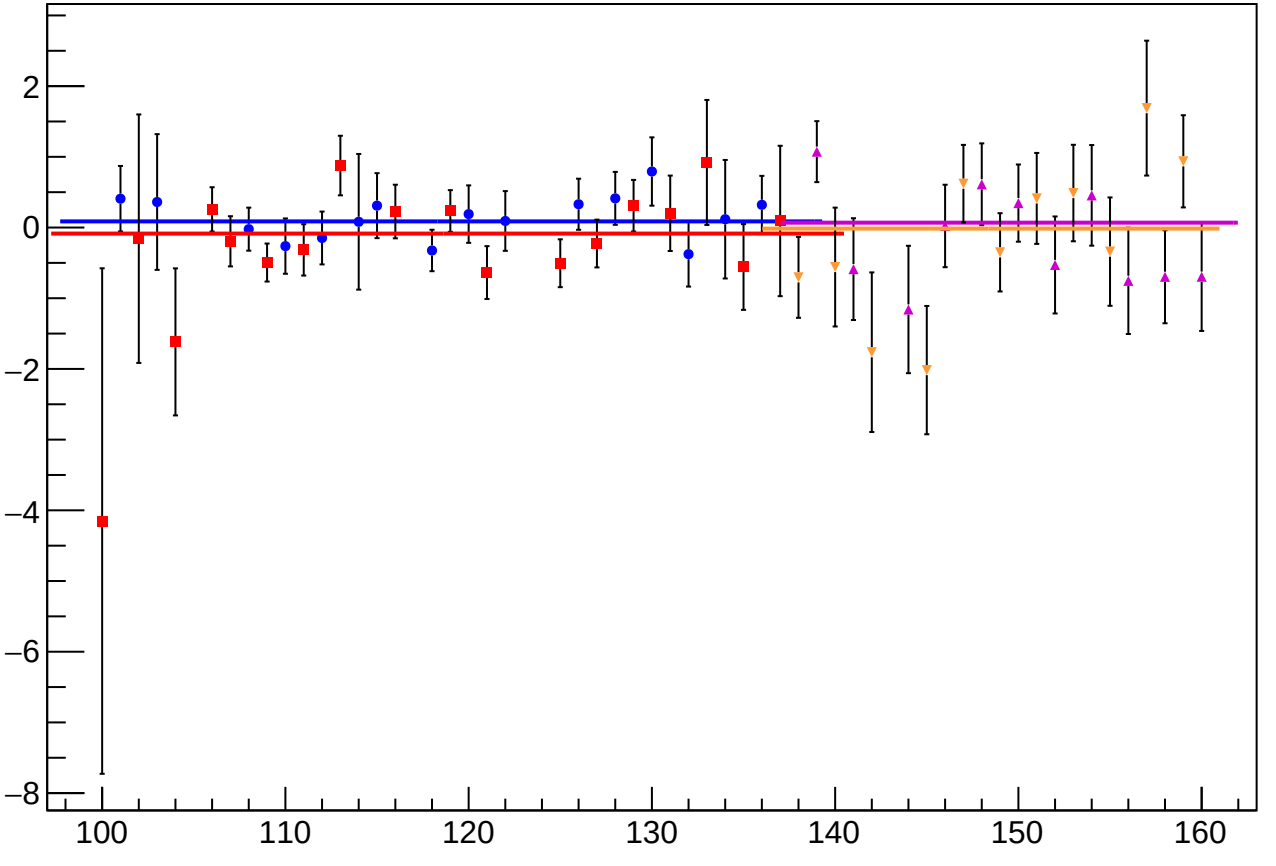
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6584037.1/26

Out: 0.011+/-0.000 χ^2/NDF:5932800.7/28

All: 0.010+/-0.000 χ^2/NDF: 12607224.5/55

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: 0.069+/-0.190 χ^2/NDF:13.9/10

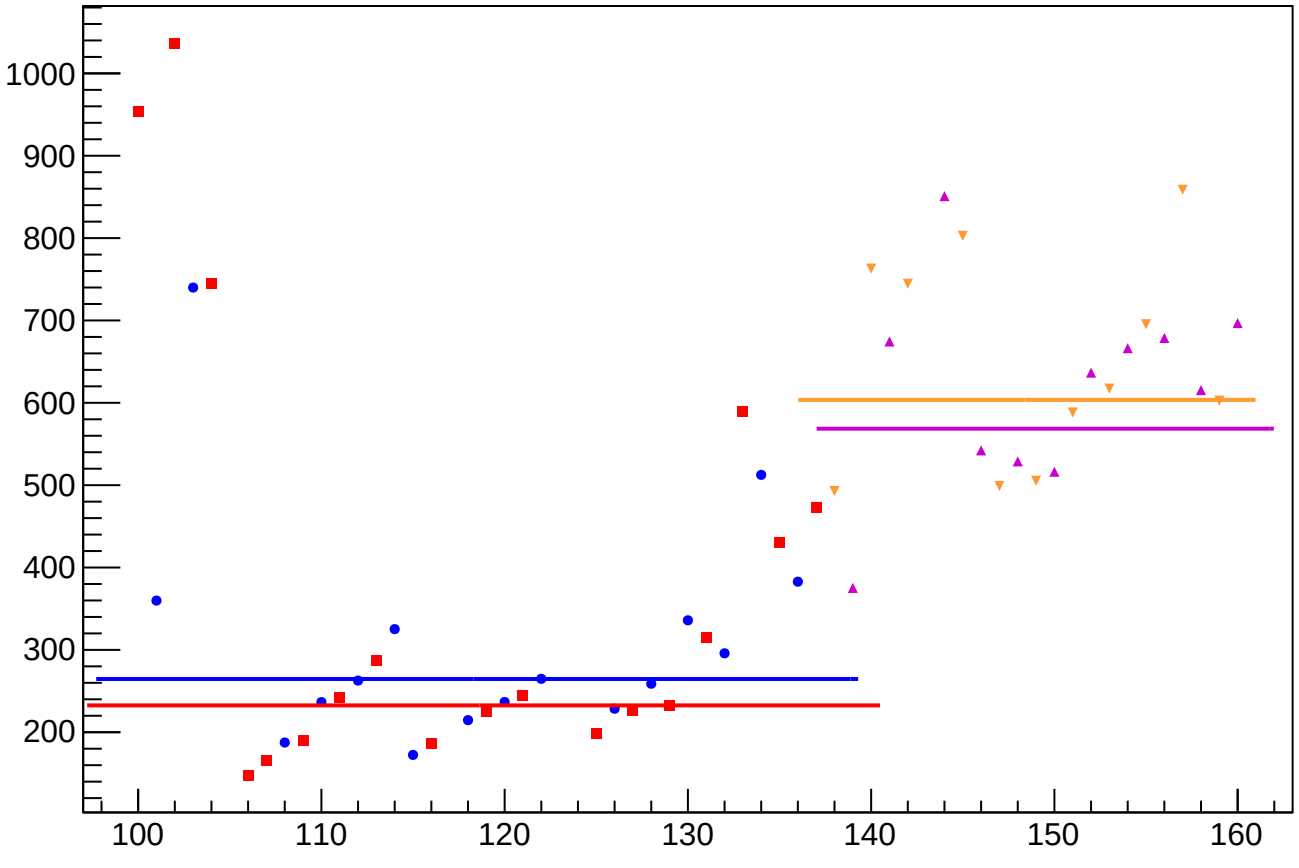
Left: 0.031+/-0.141 χ^2/NDF: 31.3/21

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.002+/-0.064 χ^2/NDF: 63.4/55



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: 568.605+/-0.134 χ^2/NDF:839787.2/10

Left: 584.370+/-0.100 χ^2/NDF: 1453951.1/21

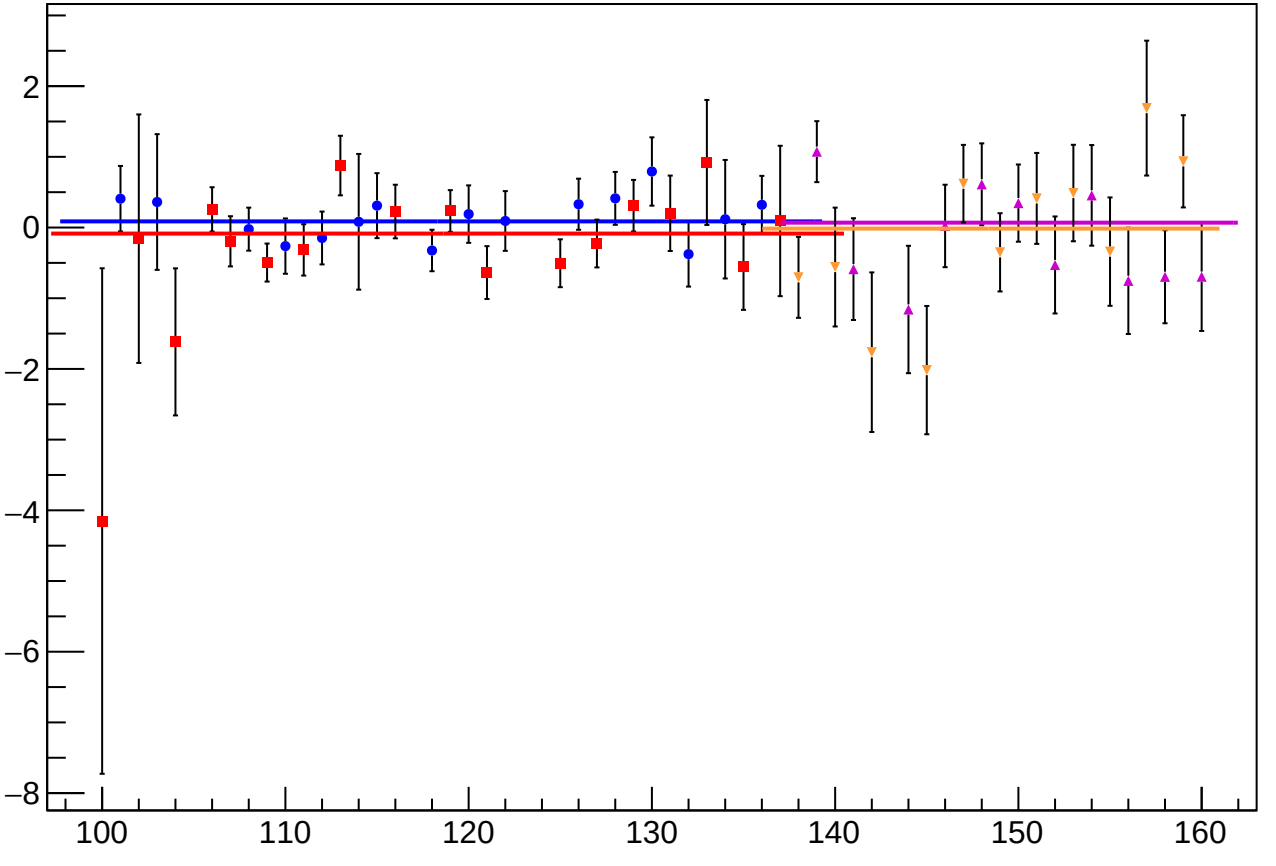
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 335.840+/-0.065 χ^2/NDF:6042175.7/26

Out: 298.399+/-0.062 χ^2/NDF:7769030.3/28

All: 316.357+/-0.045 χ^2/NDF: 13983745.8/55

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: 0.069+/-0.190 χ^2/NDF:13.9/10

Left: 0.031+/-0.141 χ^2/NDF: 31.3/21

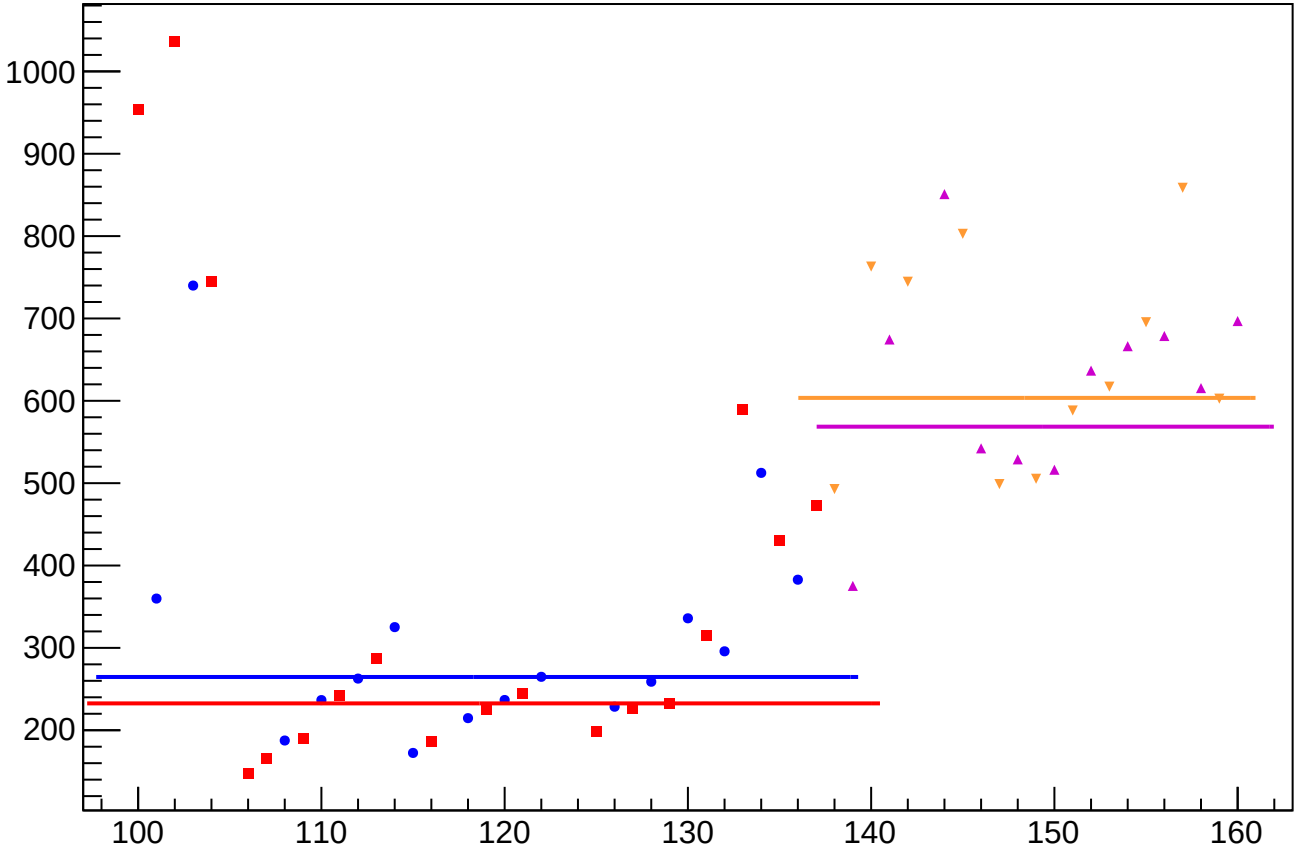
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.073+/-0.088 χ^2/NDF:39.2/28

All: 0.002+/-0.064 χ^2/NDF: 63.4/55

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.552+/-0.148 χ^2/NDF:583649.4/10

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 568.605+/-0.134 χ^2/NDF:839787.2/10

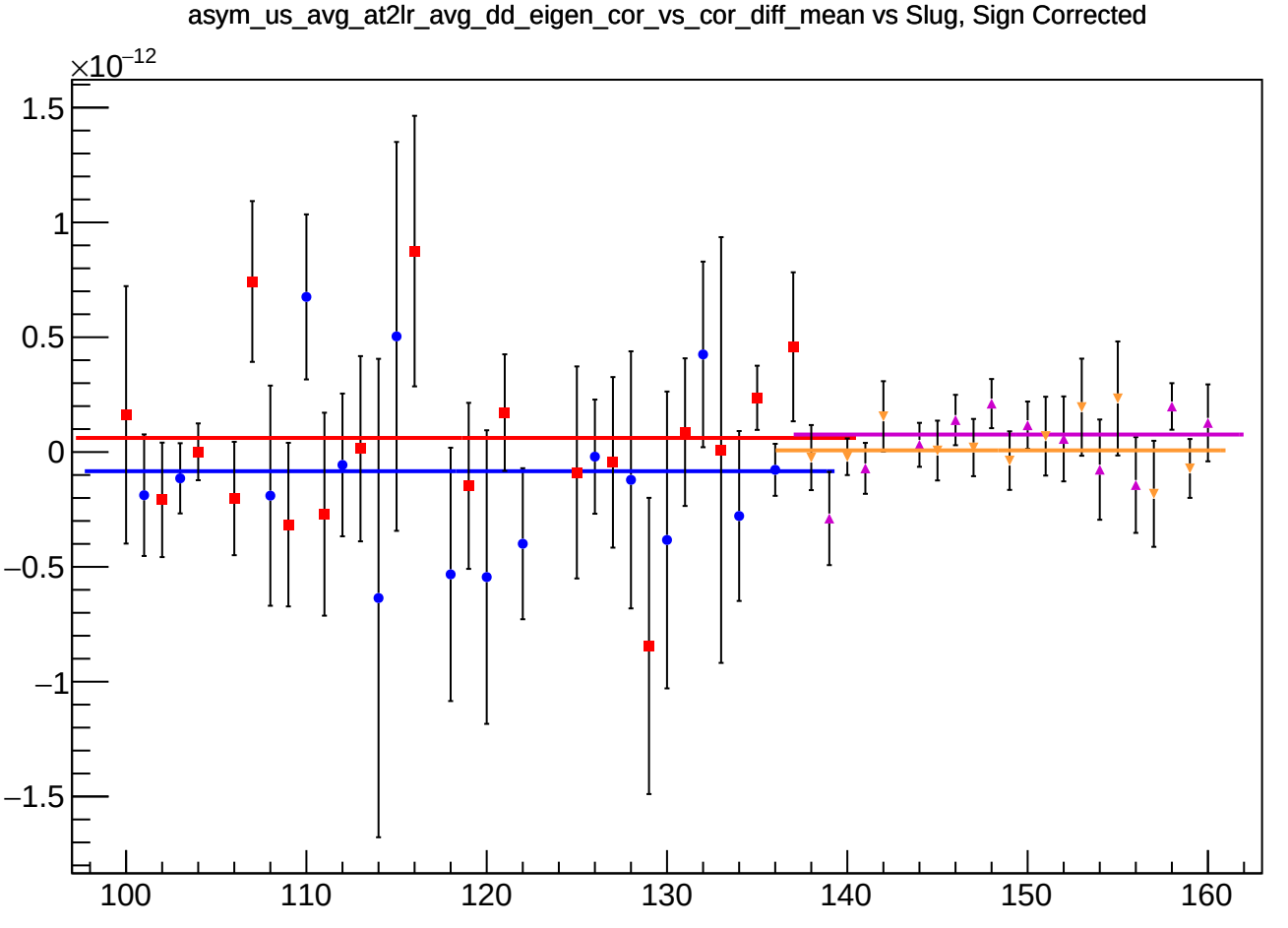
Left: 584.370+/-0.100 χ^2/NDF: 1453951.1/21

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 335.840+/-0.065 χ^2/NDF:6042175.7/26

Out: 298.399+/-0.062 χ^2/NDF:7769030.3/28

All: 316.357+/-0.045 χ^2/NDF: 13983745.8/55



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:10.5/10

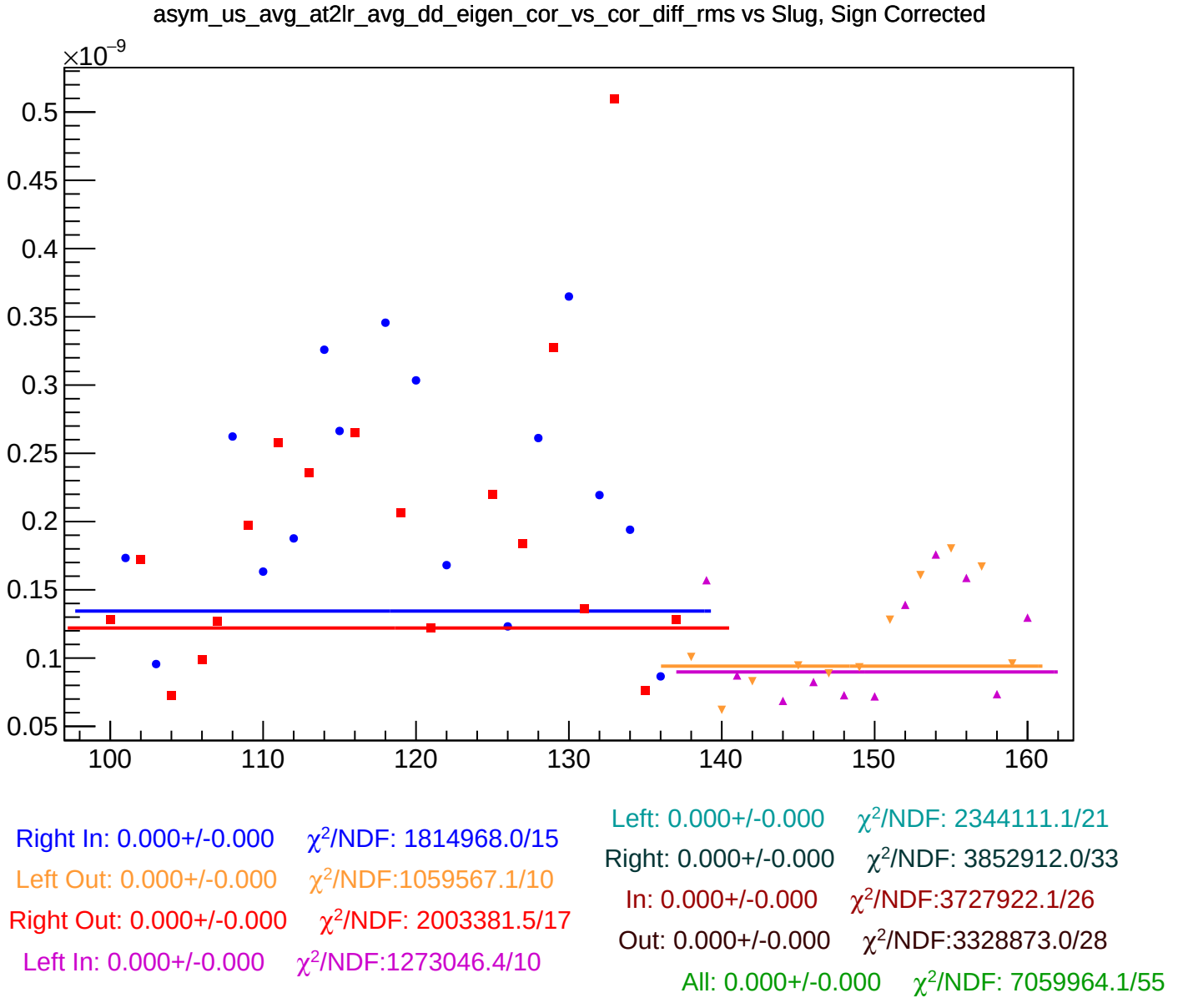
Left: 0.000+/-0.000 χ^2/NDF: 16.0/21

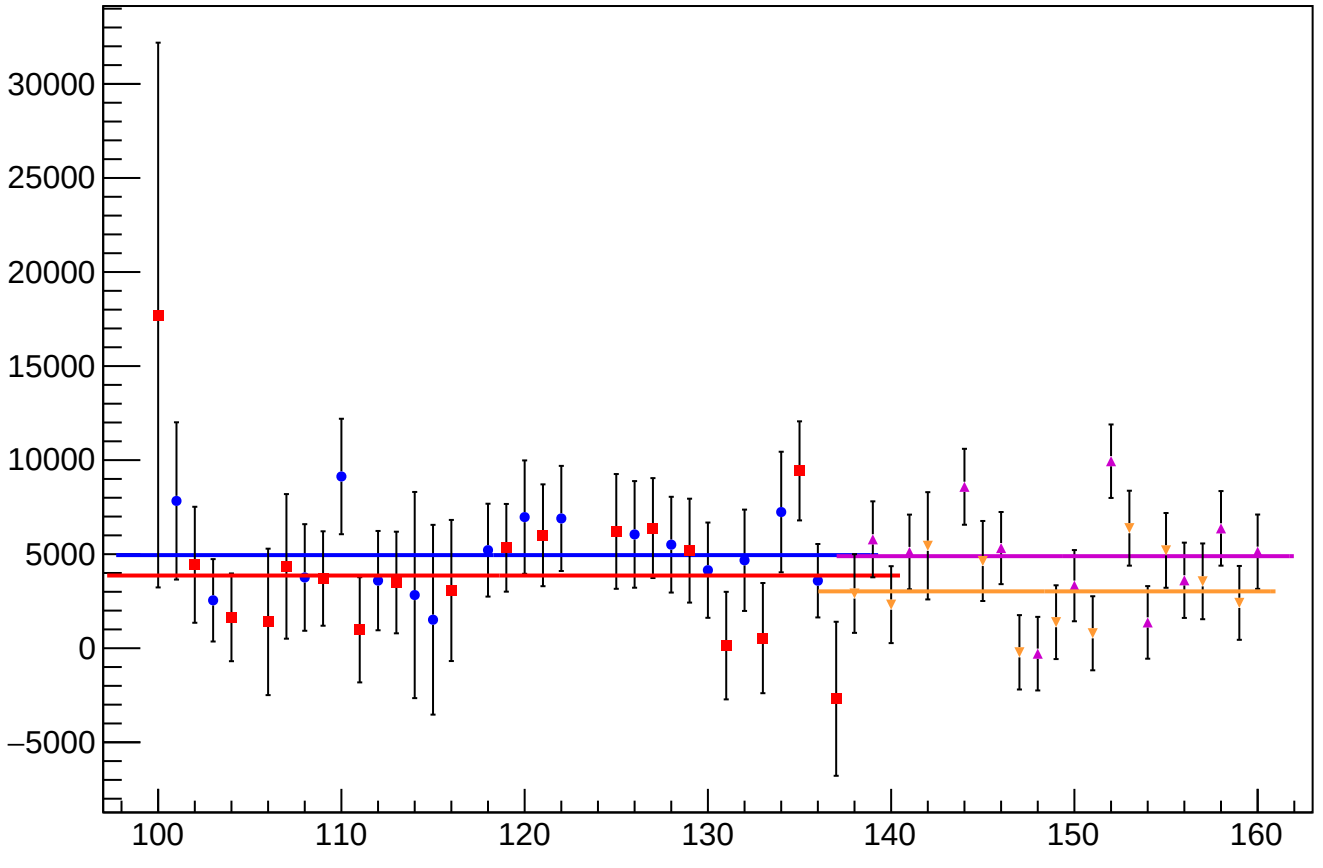
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:24.3/26

Out: 0.000+/-0.000 χ^2/NDF:20.3/28

All: 0.000+/-0.000 χ^2/NDF: 44.7/55


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1059567.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1273046.4/10
Left: 0.000+/-0.000 χ²/NDF: 2344111.1/21
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3727922.1/26
Out: 0.000+/-0.000 χ²/NDF:3328873.0/28
All: 0.000+/-0.000 χ²/NDF: 7059964.1/55



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: 4894.271+/-592.585 χ^2/NDF:22.3/10

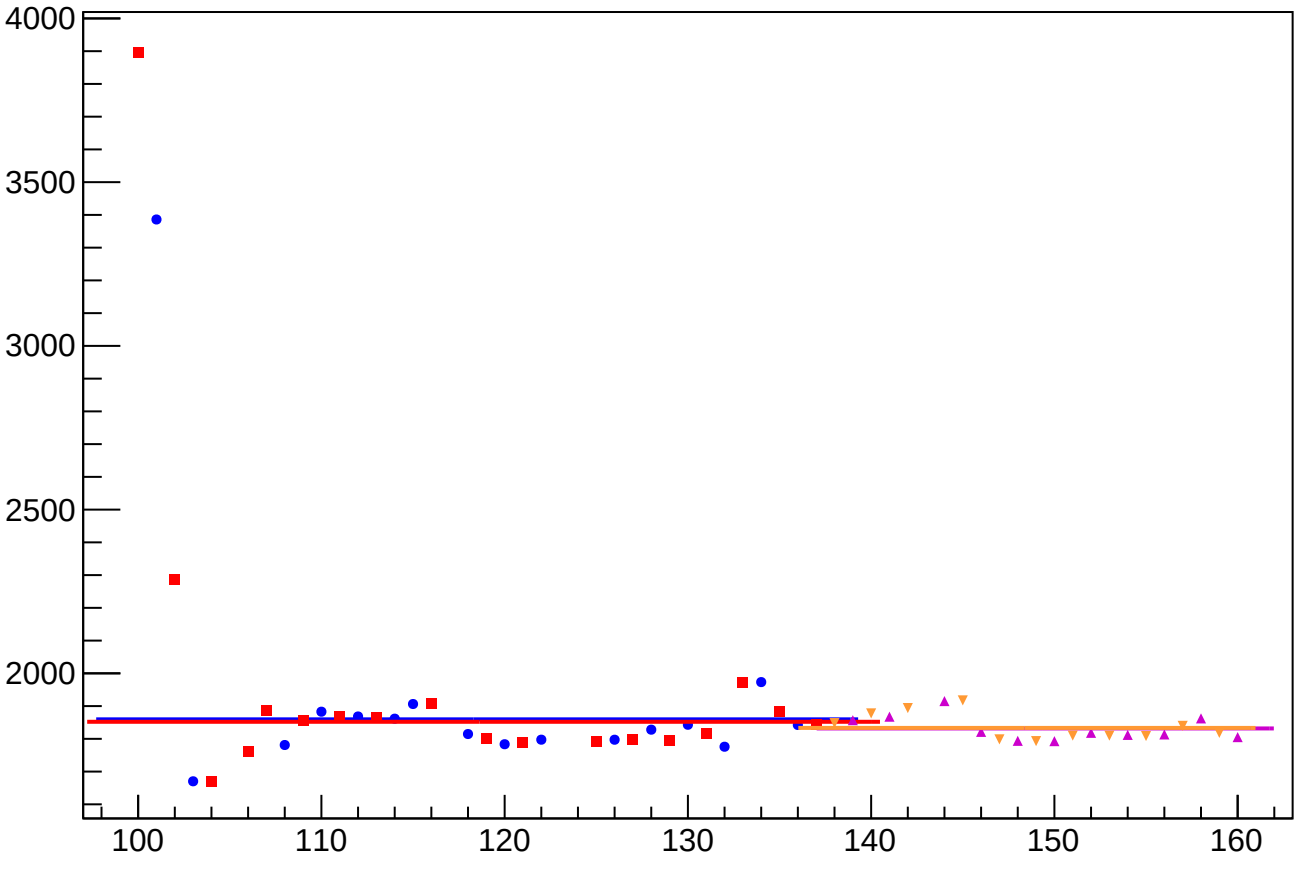
Left: 4001.885+/-428.572 χ^2/NDF: 37.4/21

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4917.711+/-451.996 χ^2/NDF:29.1/26

Out: 3396.240+/-463.124 χ^2/NDF:27.3/28

All: 4175.475+/-323.472 χ^2/NDF: 61.9/55



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: 1831.721+/-0.419 χ^2/NDF:7344.4/10

Left: 1832.492+/-0.303 χ^2/NDF: 14895.7/21

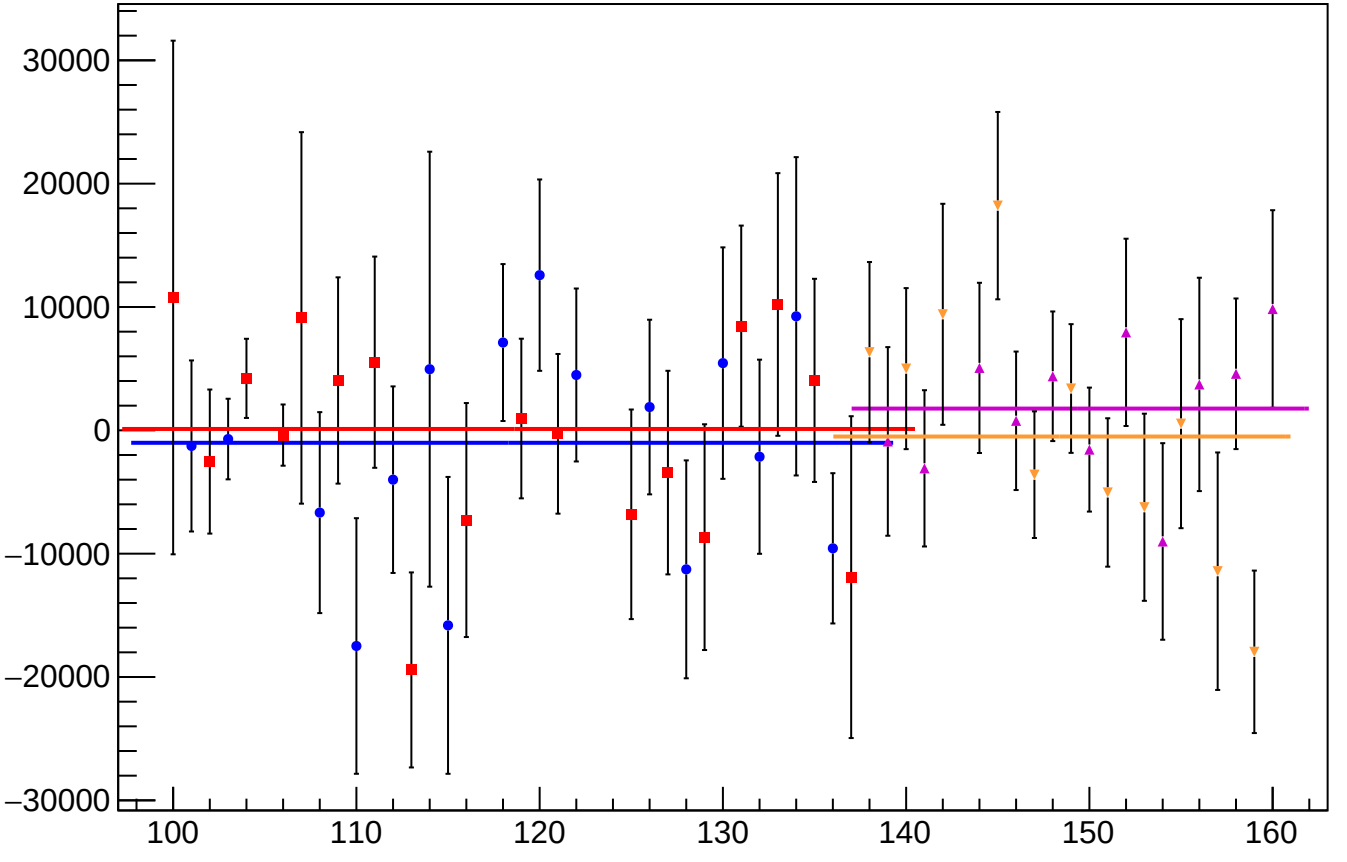
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1843.343+/-0.320 χ^2/NDF:301518.2/26

Out: 1841.662+/-0.327 χ^2/NDF:110566.5/28

All: 1842.522+/-0.229 χ^2/NDF: 412098.3/55

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: 1763.584+/-1963.413 χ^2/NDF:5.4/10

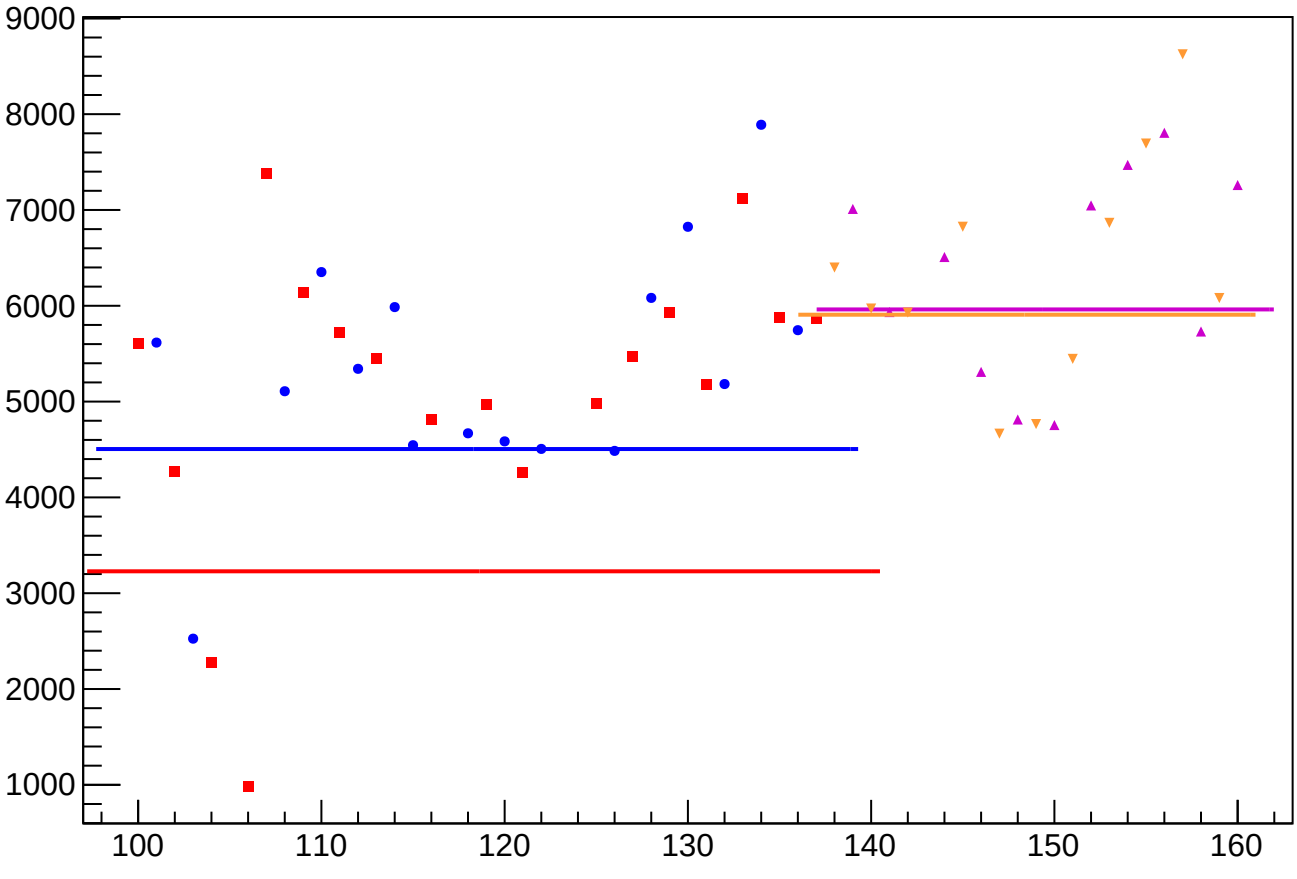
Left: 676.172+/-1415.924 χ^2/NDF: 25.3/21

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 228.812+/-1312.265 χ^2/NDF:21.3/26

Out: -91.946+/-1176.358 χ^2/NDF:34.0/28

All: 50.968+/-875.932 χ^2/NDF: 55.3/55



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5906.814+/-1.445 χ^2/NDF:544512.1/10

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5961.903+/-1.388 χ^2/NDF:546859.5/10

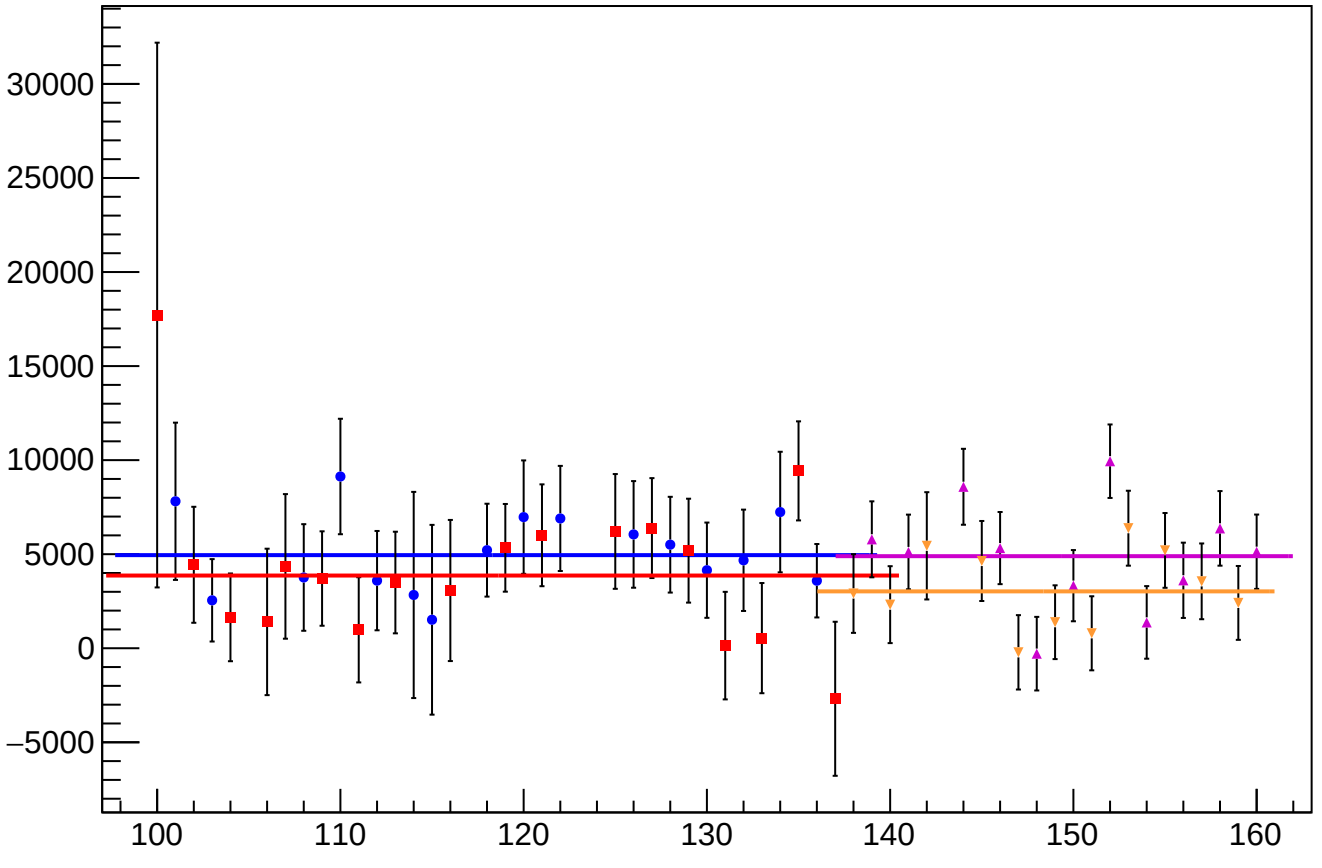
Left: 5935.464+/-1.001 χ^2/NDF: 1092127.2/21

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5155.687+/-0.928 χ^2/NDF:2477433.3/26

Out: 4115.817+/-0.832 χ^2/NDF:6797444.2/28

All: 4579.132+/-0.619 χ^2/NDF: 9971194.2/55



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: 4894.415+/-592.585 χ^2/NDF:22.3/10

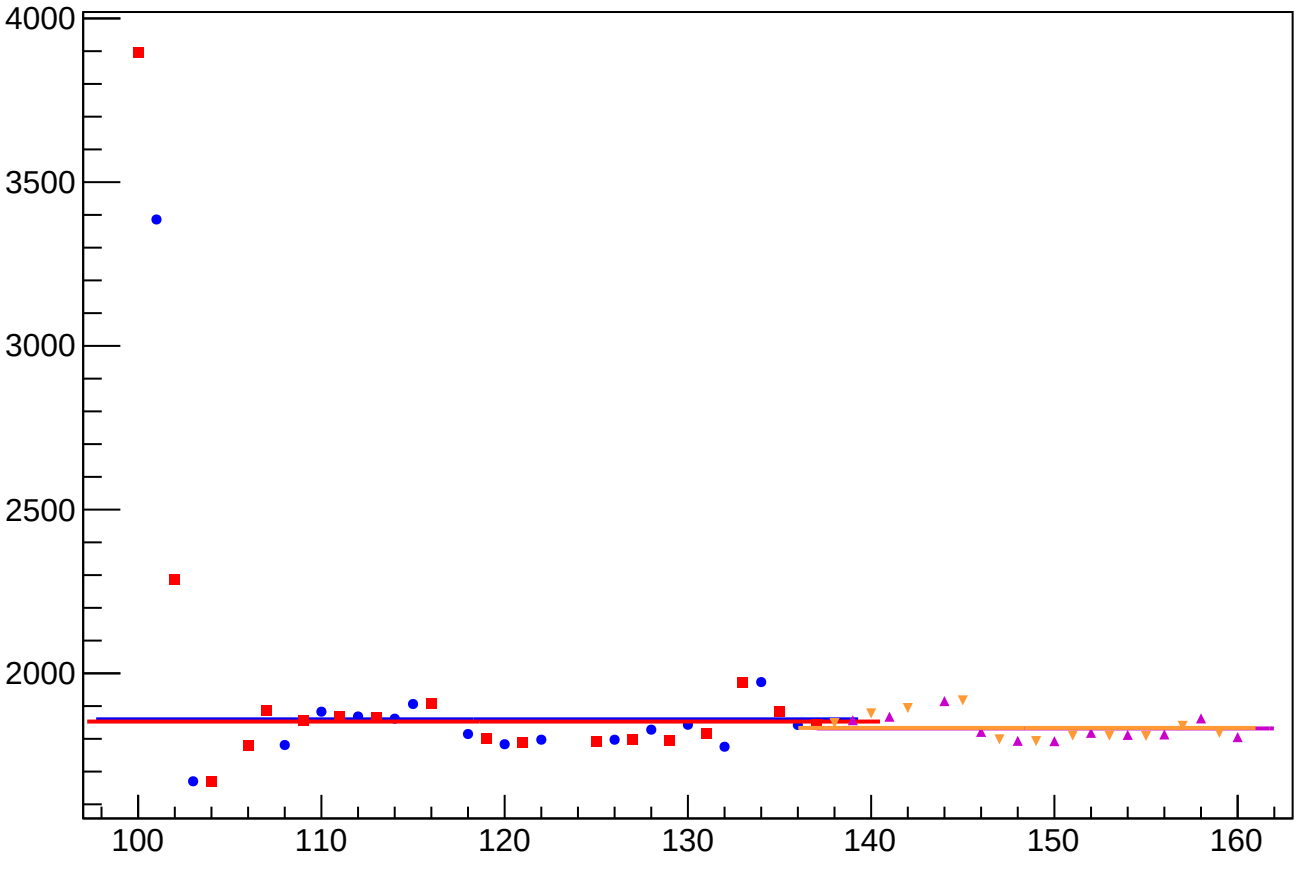
Left: 4001.894+/-428.572 χ^2/NDF: 37.4/21

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4917.593+/-451.996 χ^2/NDF:29.1/26

Out: 3396.067+/-463.124 χ^2/NDF:27.3/28

All: 4175.330+/-323.472 χ^2/NDF: 61.9/55



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: 1831.721+/-0.419 χ^2/NDF:7344.4/10

Left: 1832.492+/-0.303 χ^2/NDF: 14895.7/21

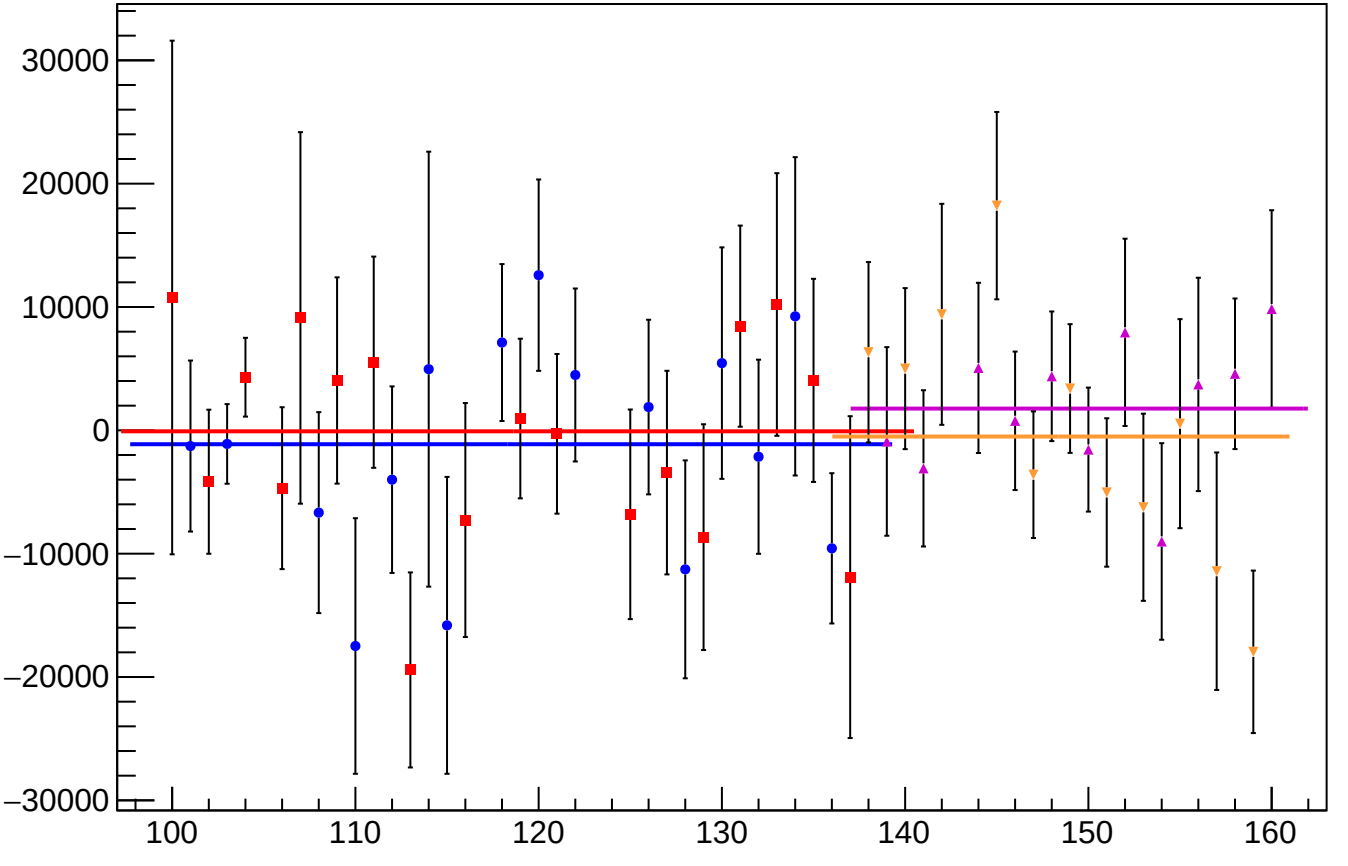
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1843.343+/-0.320 χ^2/NDF:301520.1/26

Out: 1841.973+/-0.327 χ^2/NDF:110166.4/28

All: 1842.673+/-0.229 χ^2/NDF: 411695.4/55

asym_us_avg_atlr_avg_avg_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: 1763.743+/-1963.413 χ^2/NDF:5.4/10

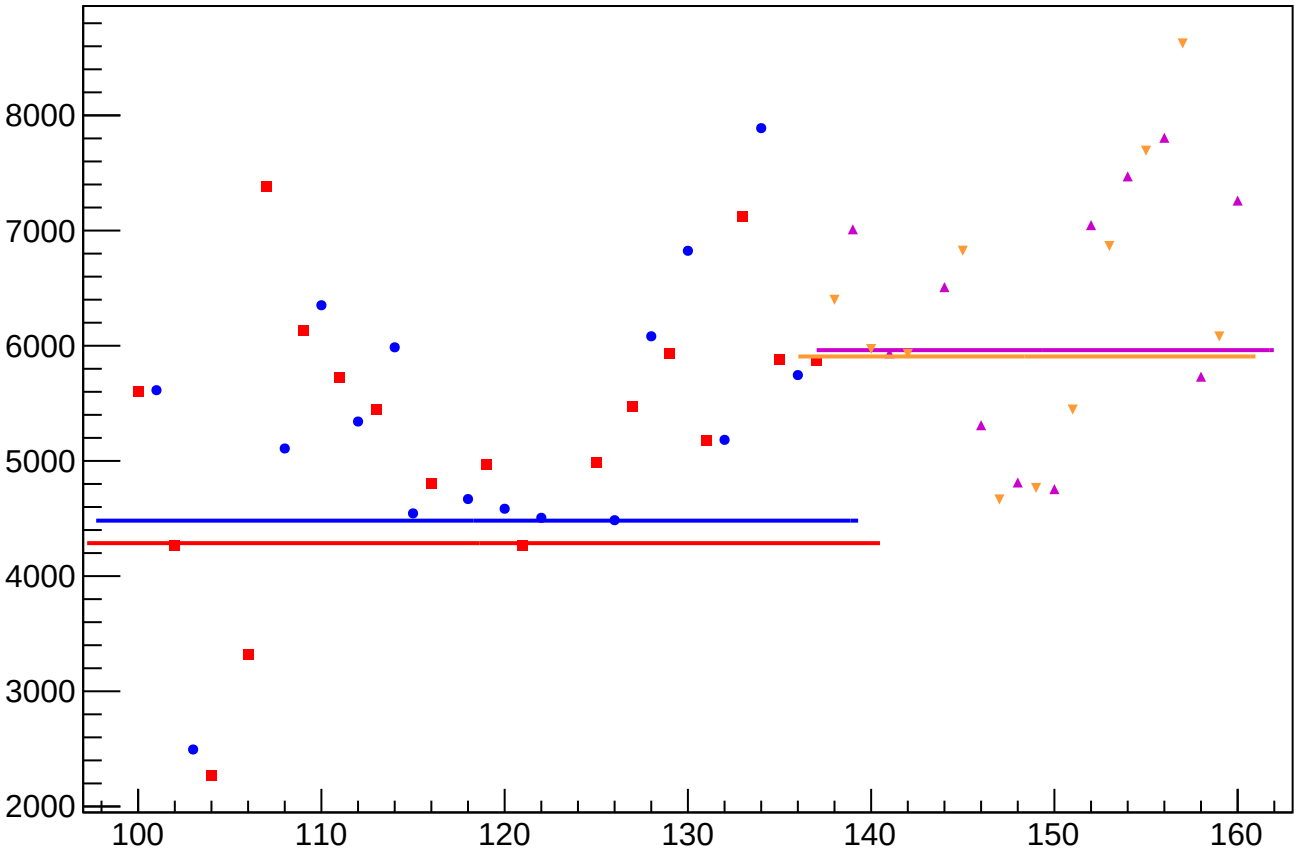
Left: 676.184+/-1415.924 χ^2/NDF: 25.3/21

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 159.989+/-1309.665 χ^2/NDF:21.4/26

Out: -251.964+/-1308.093 χ^2/NDF:34.8/28

All: -46.235+/-925.516 χ^2/NDF: 56.2/55



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: 5961.903+/-1.388 χ^2/NDF:546866.8/10

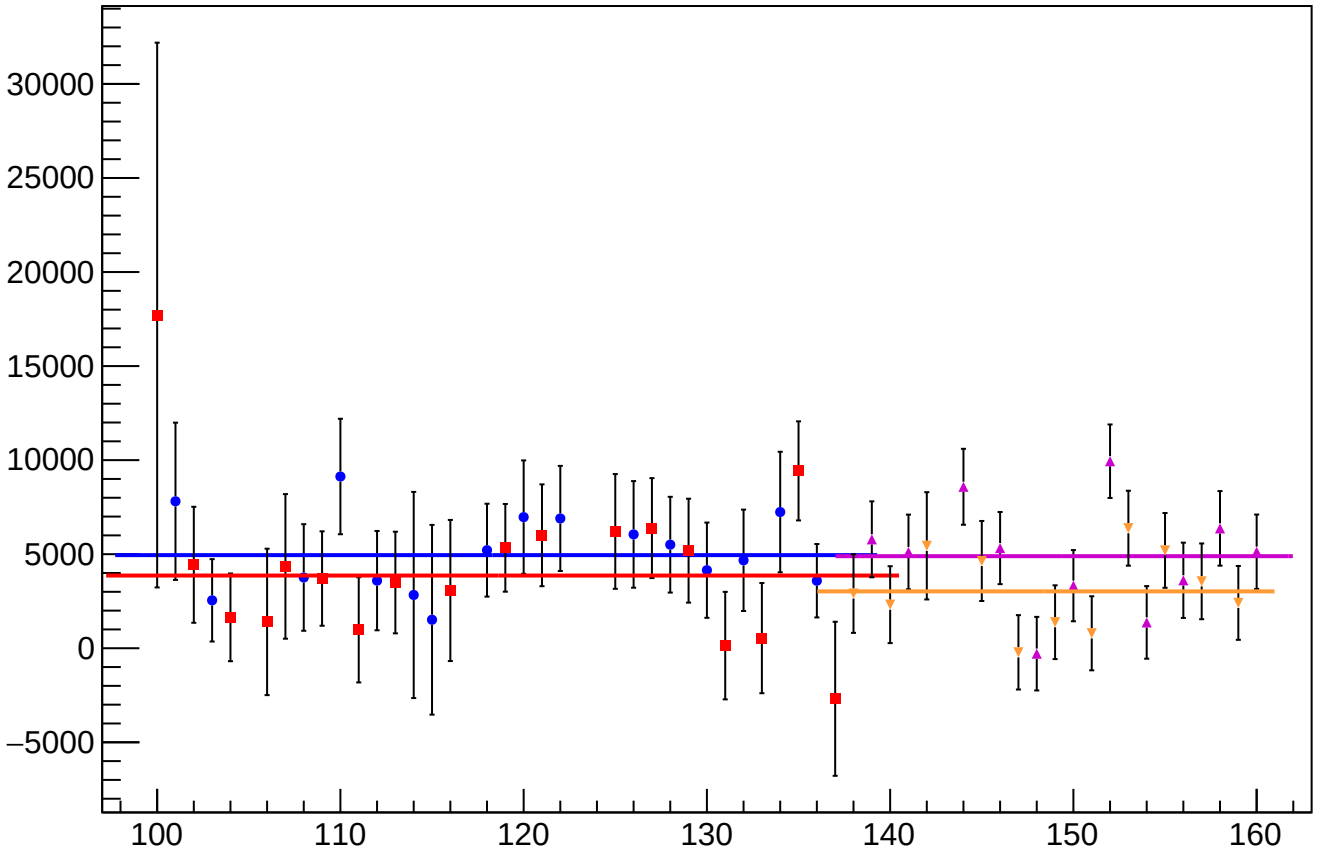
Left: 5935.462+/-1.001 χ^2/NDF: 1092142.1/21

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5140.193+/-0.926 χ^2/NDF:2540223.7/26

Out: 4949.990+/-0.925 χ^2/NDF:2836814.9/28

All: 5044.978+/-0.654 χ^2/NDF: 5398155.9/55



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: 4894.415+/-592.585 χ^2/NDF:22.3/10

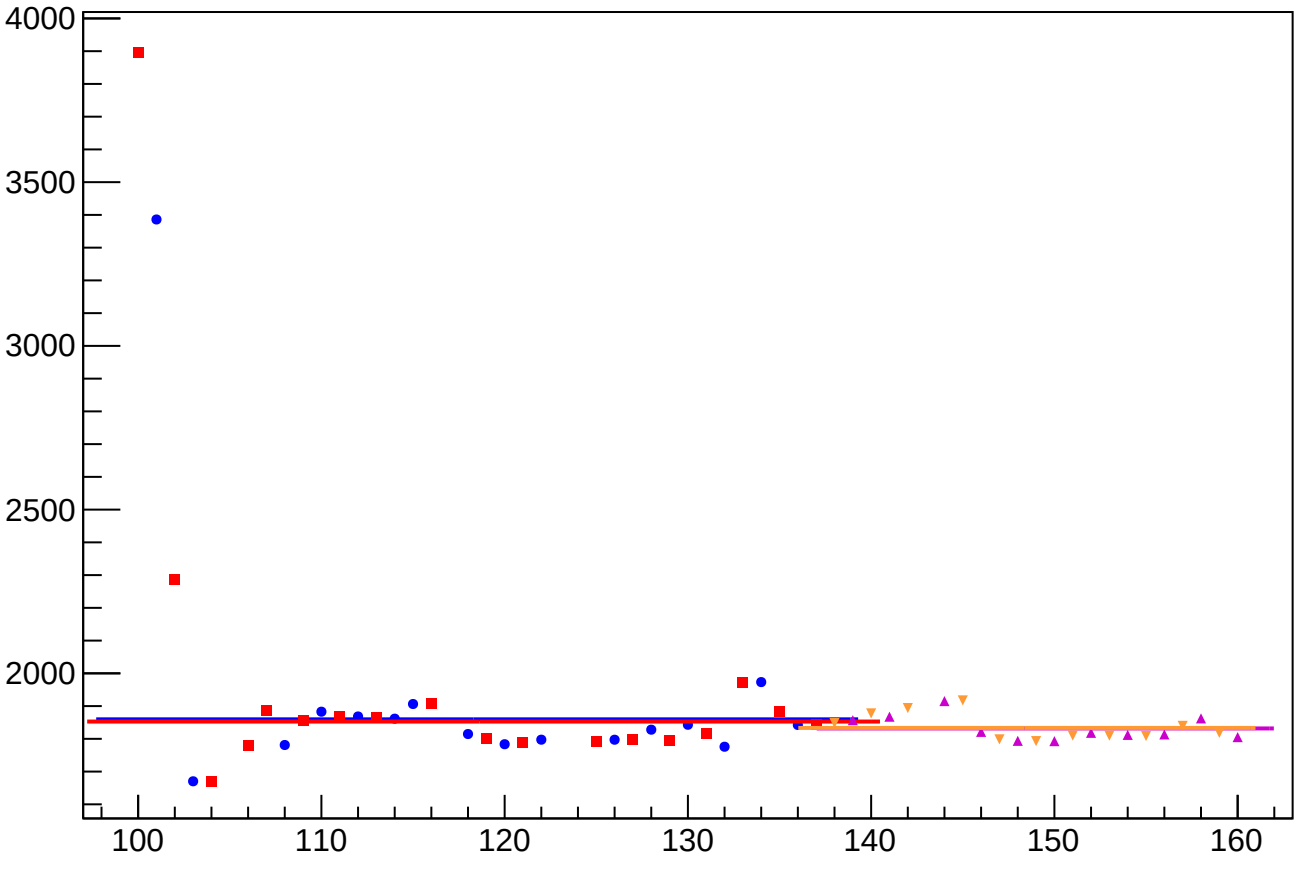
Left: 4001.894+/-428.572 χ^2/NDF: 37.4/21

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4917.593+/-451.996 χ^2/NDF:29.1/26

Out: 3396.067+/-463.124 χ^2/NDF:27.3/28

All: 4175.330+/-323.472 χ^2/NDF: 61.9/55



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: 1831.721+/-0.419 χ^2/NDF:7344.4/10

Left: 1832.492+/-0.303 χ^2/NDF: 14895.7/21

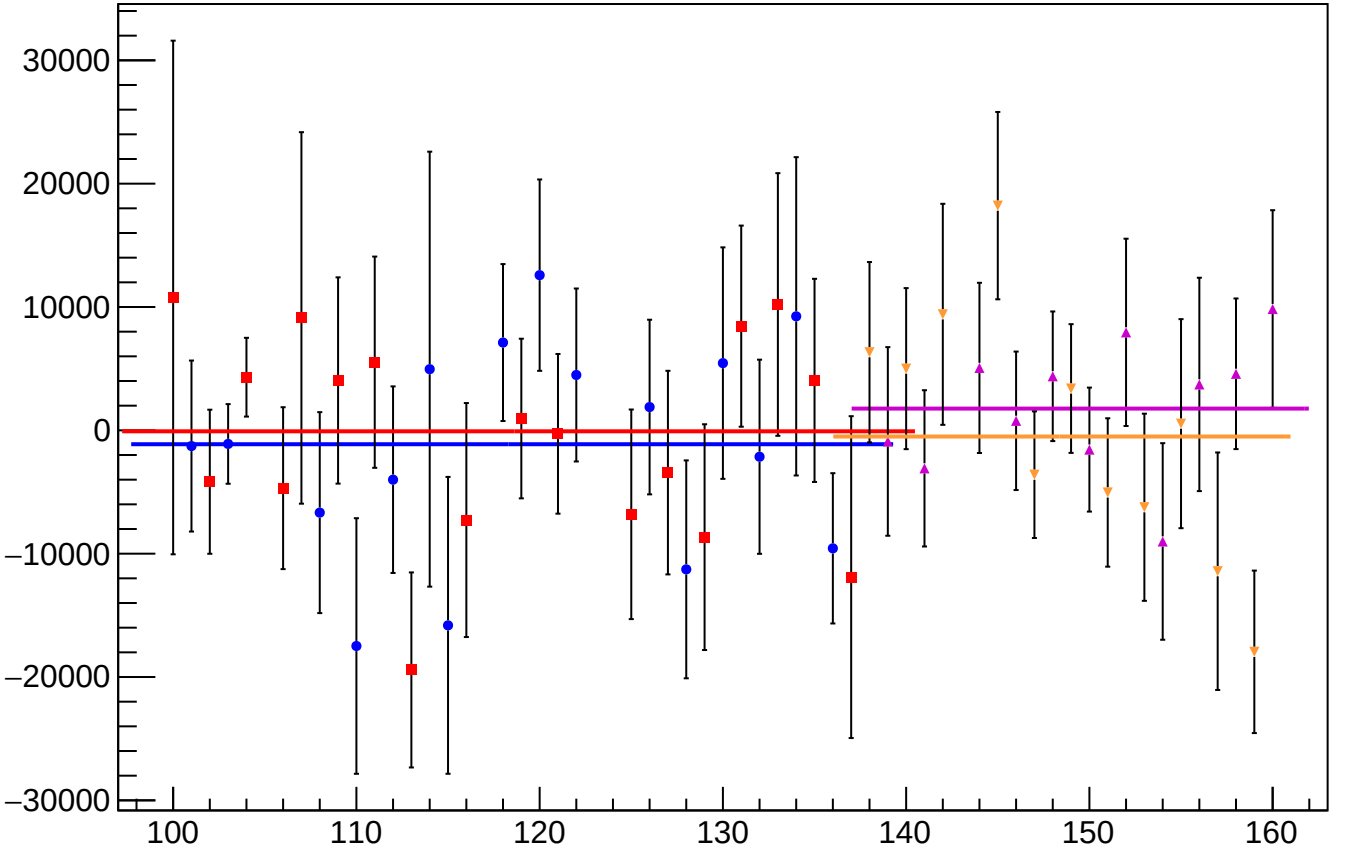
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1843.343+/-0.320 χ^2/NDF:301520.1/26

Out: 1841.973+/-0.327 χ^2/NDF:110166.4/28

All: 1842.673+/-0.229 χ^2/NDF: 411695.4/55

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: 1763.743+/-1963.413 χ^2/NDF:5.4/10

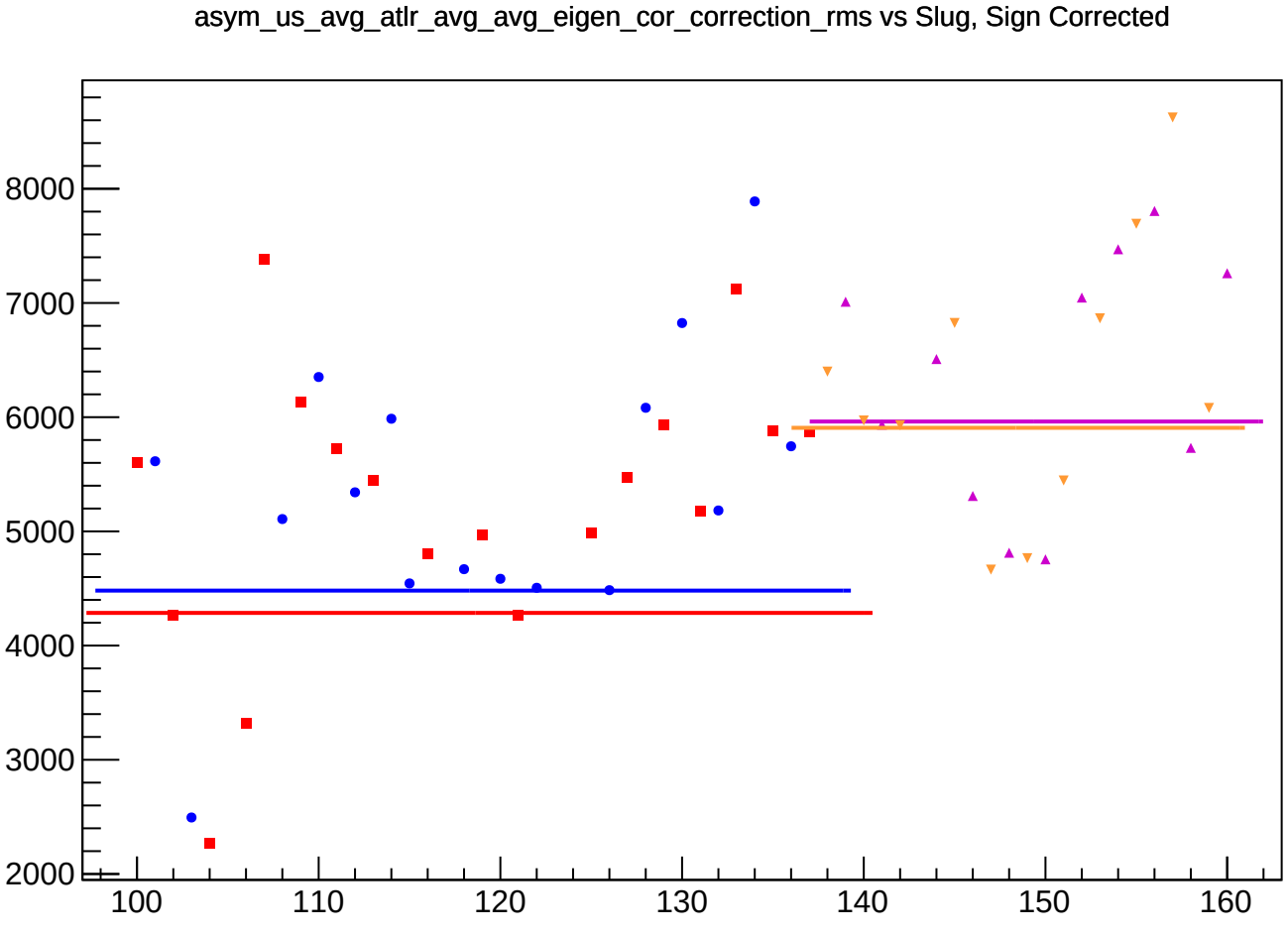
Left: 676.184+/-1415.924 χ^2/NDF: 25.3/21

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 159.989+/-1309.665 χ^2/NDF:21.4/26

Out: -251.964+/-1308.093 χ^2/NDF:34.8/28

All: -46.235+/-925.516 χ^2/NDF: 56.2/55



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: 5961.903+/-1.388 χ^2/NDF:546866.8/10

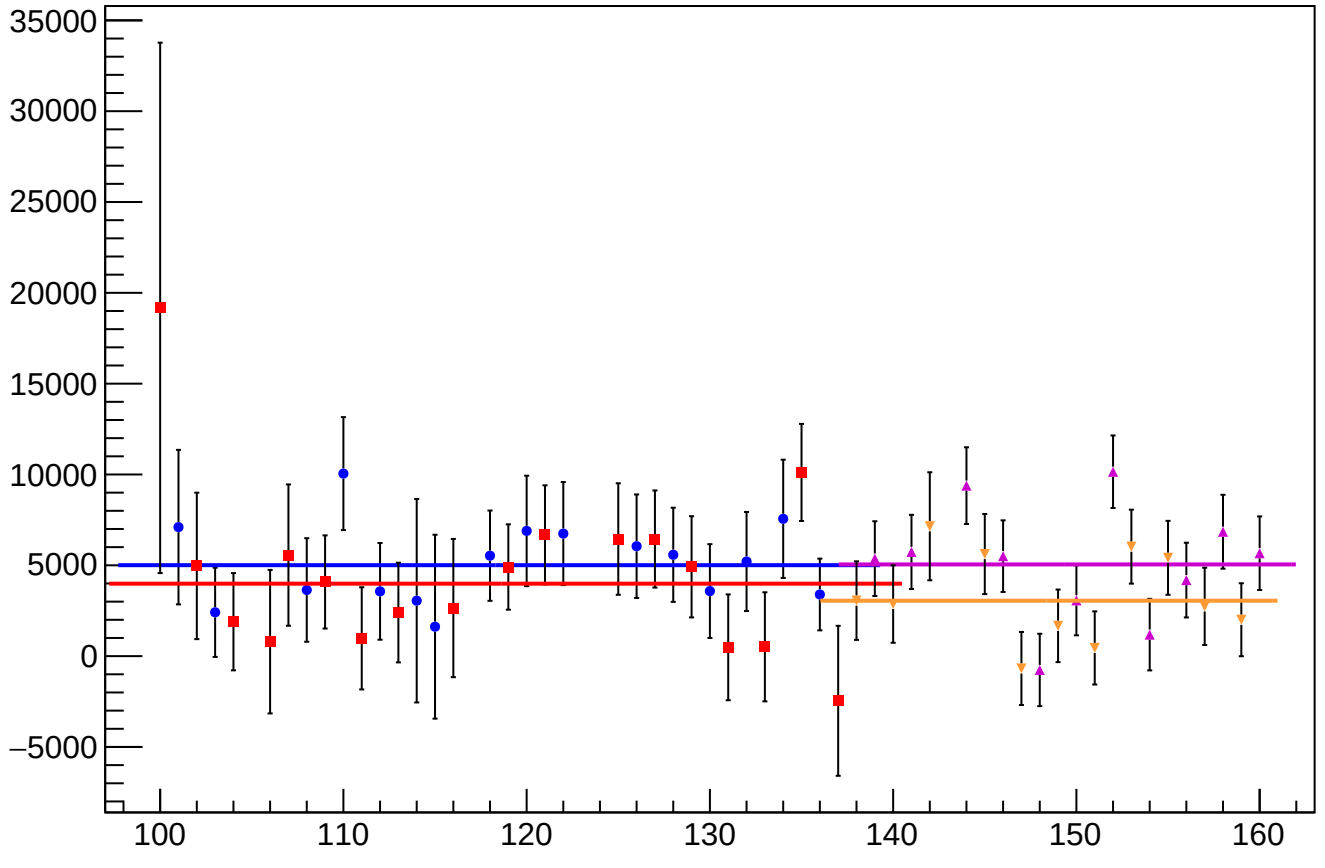
Left: 5935.462+/-1.001 χ^2/NDF: 1092142.1/21

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5140.193+/-0.926 χ^2/NDF:2540223.7/26

Out: 4949.990+/-0.925 χ^2/NDF:2836814.9/28

All: 5044.978+/-0.654 χ^2/NDF: 5398155.9/55



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: 5048.038+/-607.497 χ^2/NDF:25.4/10

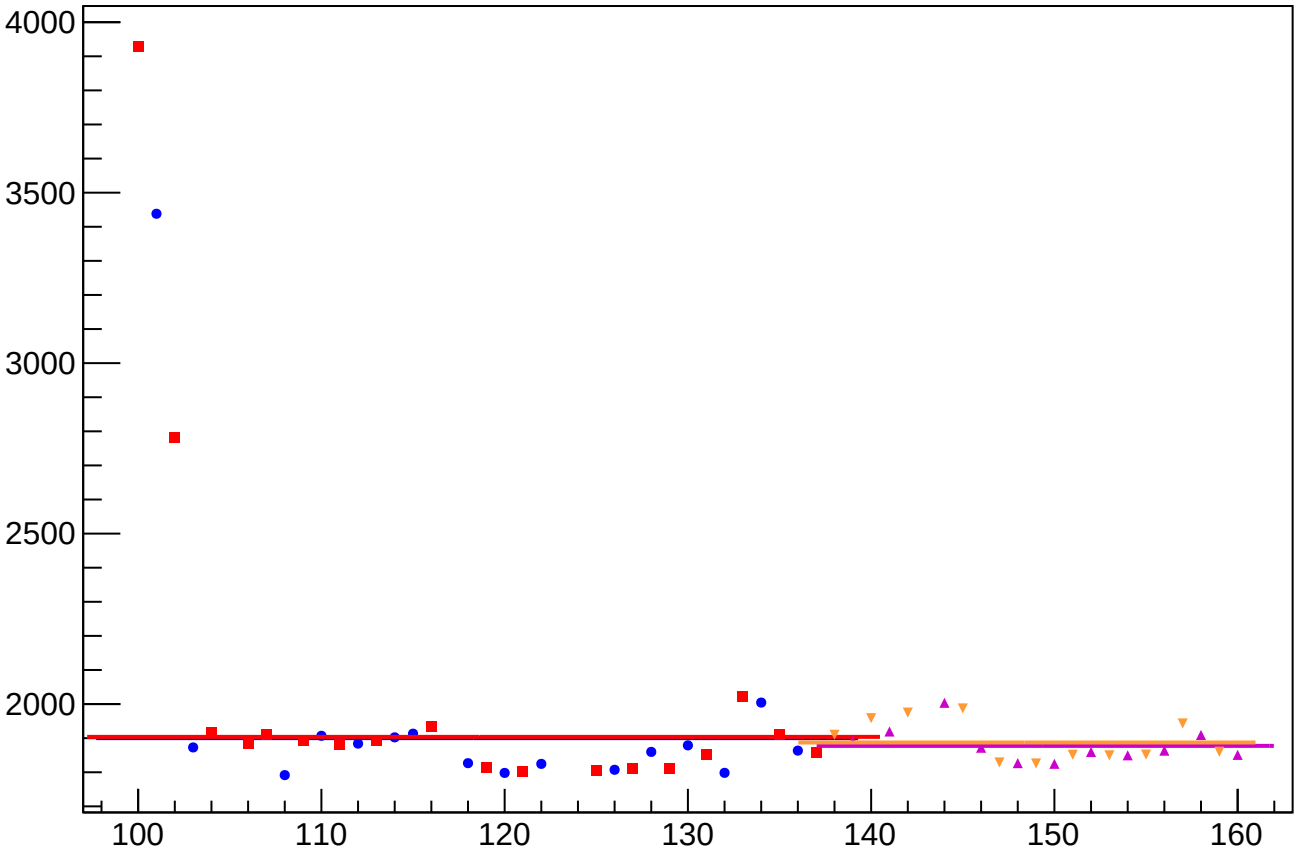
Left: 4100.469+/-440.304 χ^2/NDF: 43.2/21

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5030.939+/-462.701 χ^2/NDF:33.1/26

Out: 3465.524+/-477.668 χ^2/NDF:31.0/28

All: 4273.140+/-332.345 χ^2/NDF: 69.6/55



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: 1877.423+/-0.430 χ^2/NDF:12395.0/10

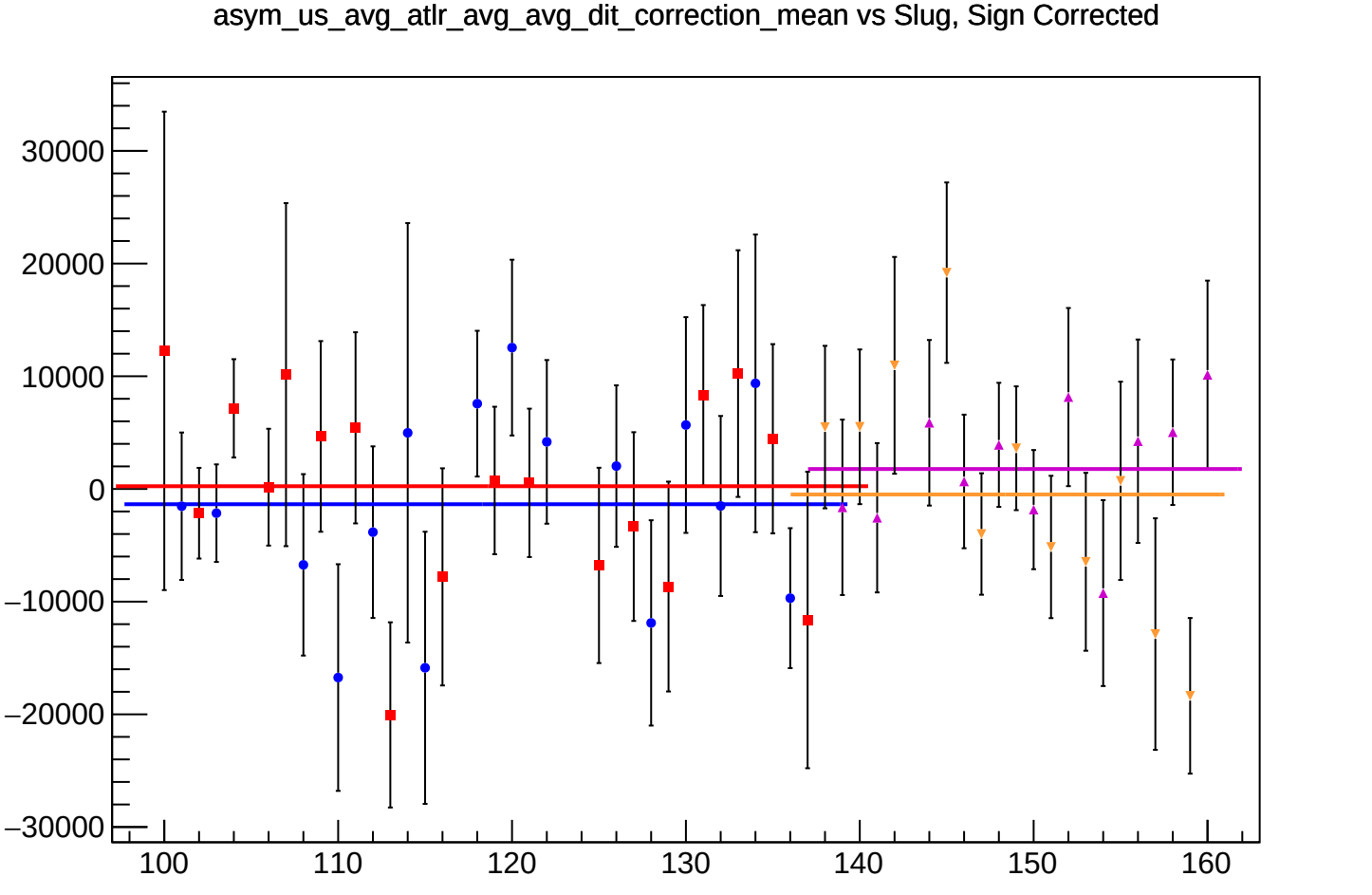
Left: 1882.131+/-0.311 χ^2/NDF: 28213.3/21

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1886.950+/-0.327 χ^2/NDF:292014.5/26

Out: 1894.626+/-0.338 χ^2/NDF:166269.2/28

All: 1890.667+/-0.235 χ^2/NDF: 458550.4/55



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: 1768.455+/-2057.042 χ^2/NDF:5.3/10

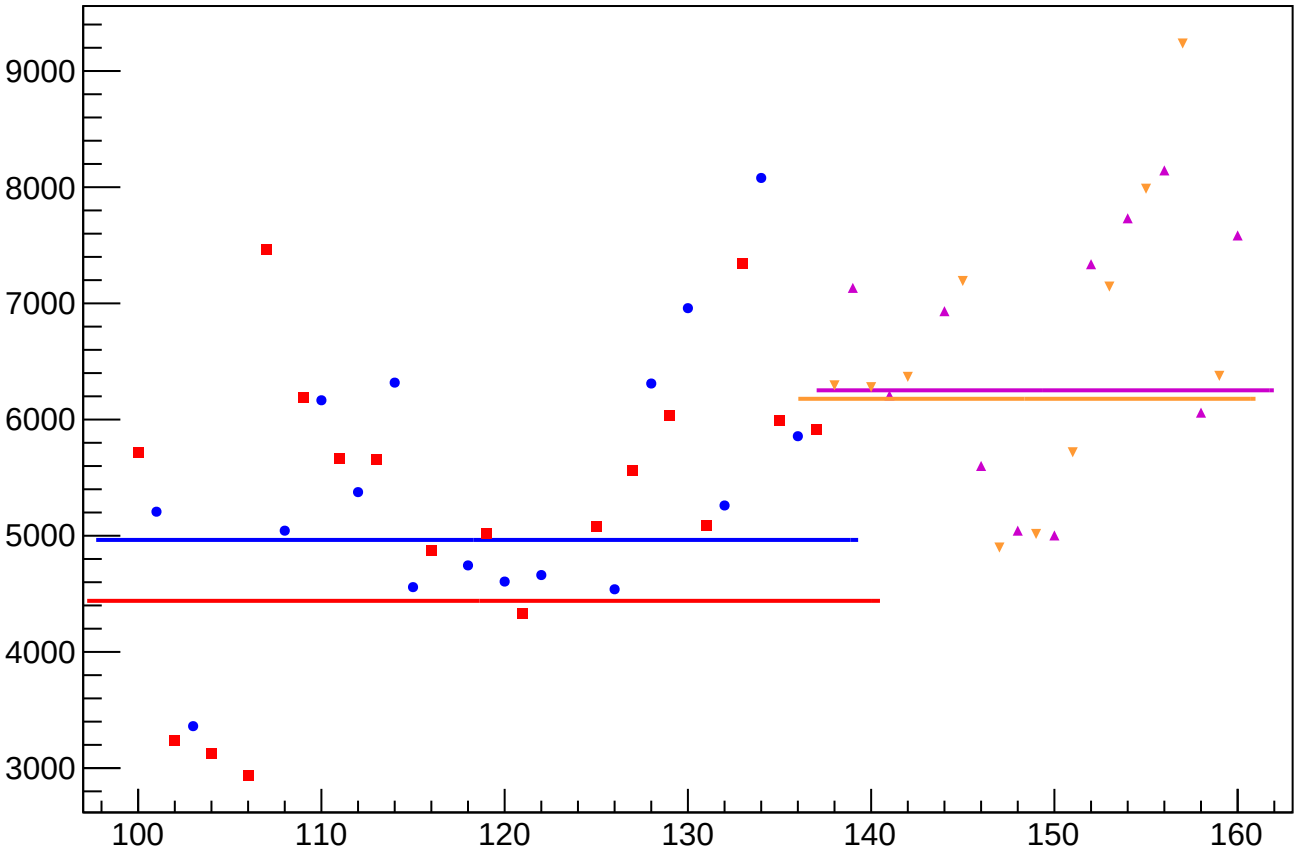
Left: 681.161+/-1482.030 χ^2/NDF: 25.1/21

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 78.812+/-1394.131 χ^2/NDF:21.3/26

Out: -45.719+/-1336.454 χ^2/NDF:35.0/28

All: 13.917+/-964.762 χ^2/NDF: 56.3/55



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: 6251.706+/-1.455 χ^2/NDF:517627.9/10

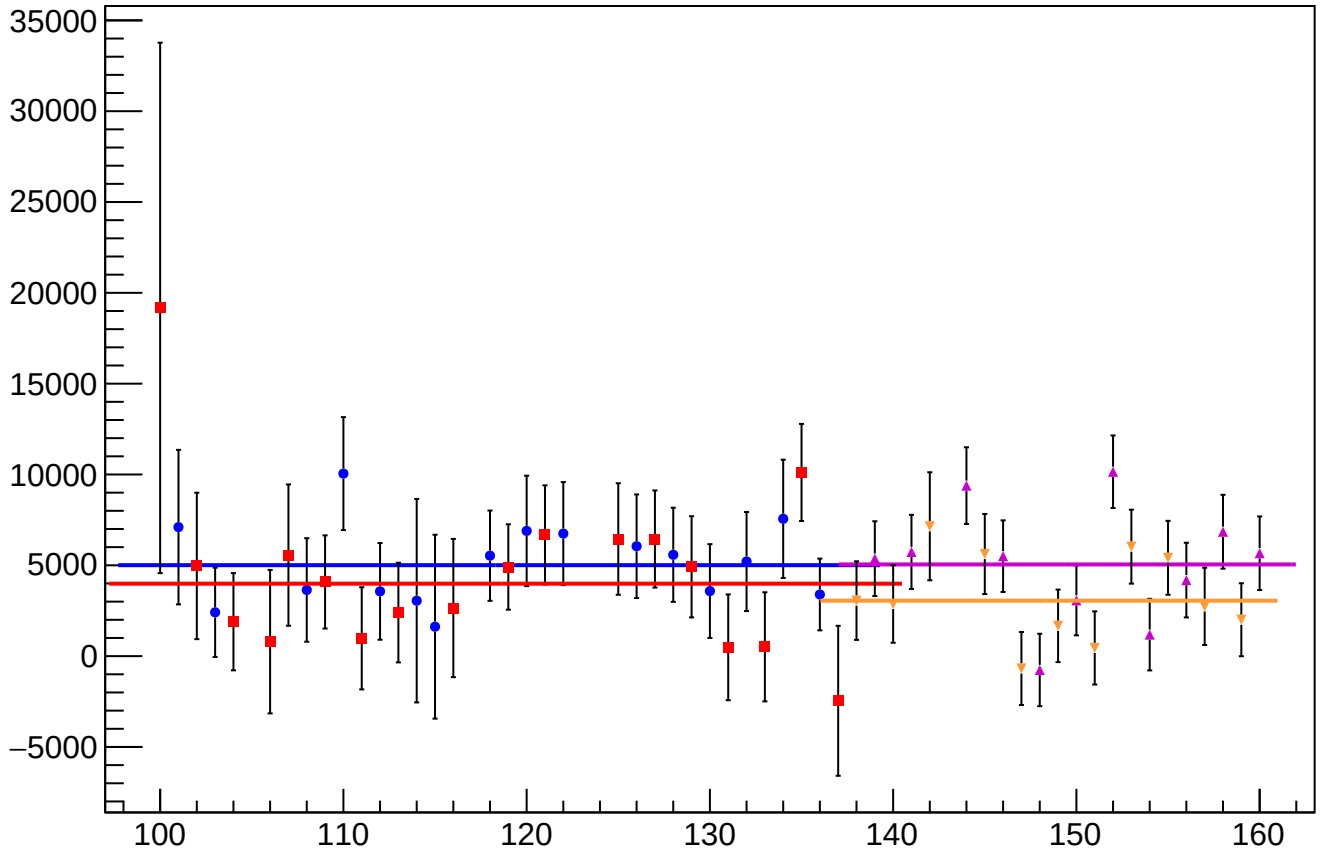
Left: 6216.602+/-1.048 χ^2/NDF: 1059155.4/21

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5555.476+/-0.986 χ^2/NDF:1568759.2/26

Out: 5119.790+/-0.945 χ^2/NDF:2505260.4/28

All: 5328.434+/-0.682 χ^2/NDF: 4175808.9/55



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: 5048.040+/-607.497 χ^2/NDF:25.4/10

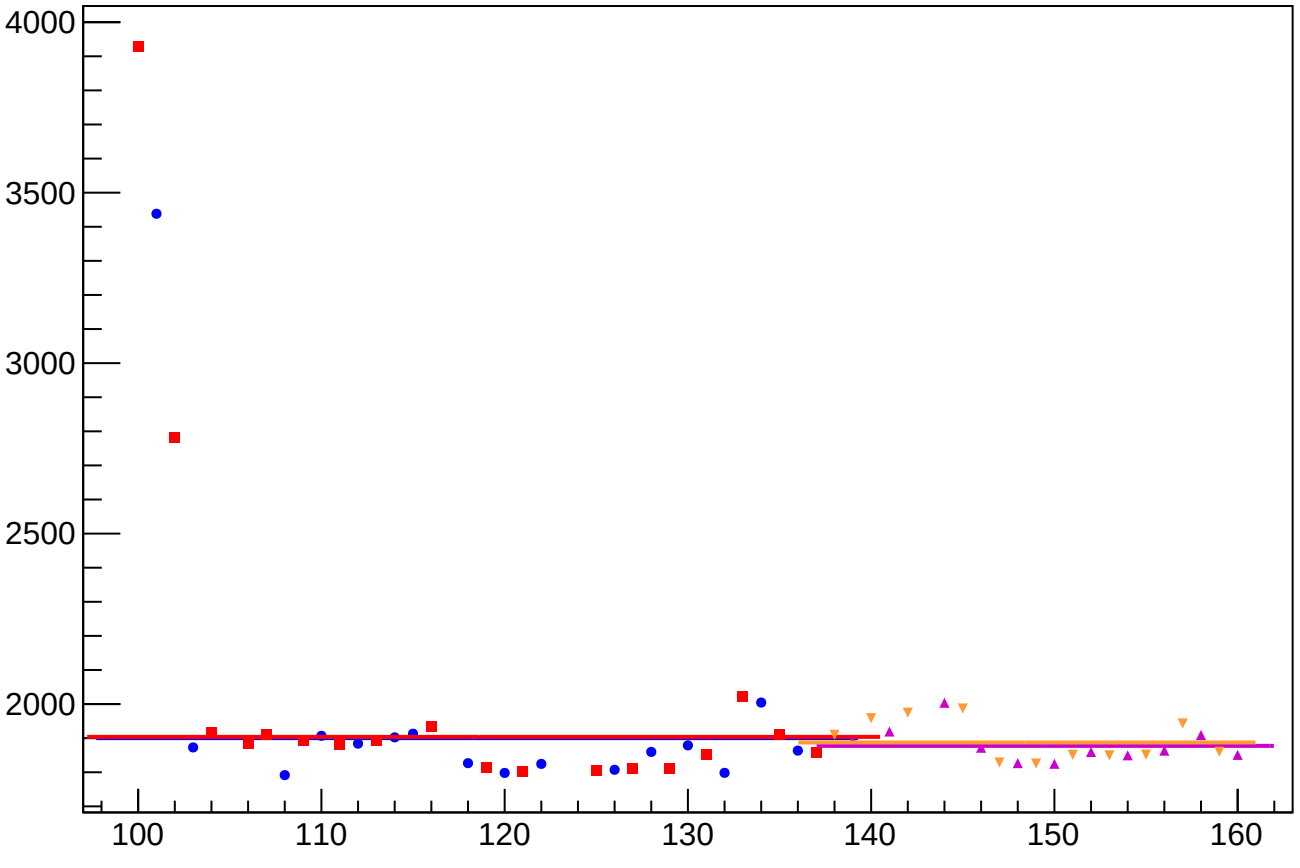
Left: 4100.467+/-440.305 χ^2/NDF: 43.2/21

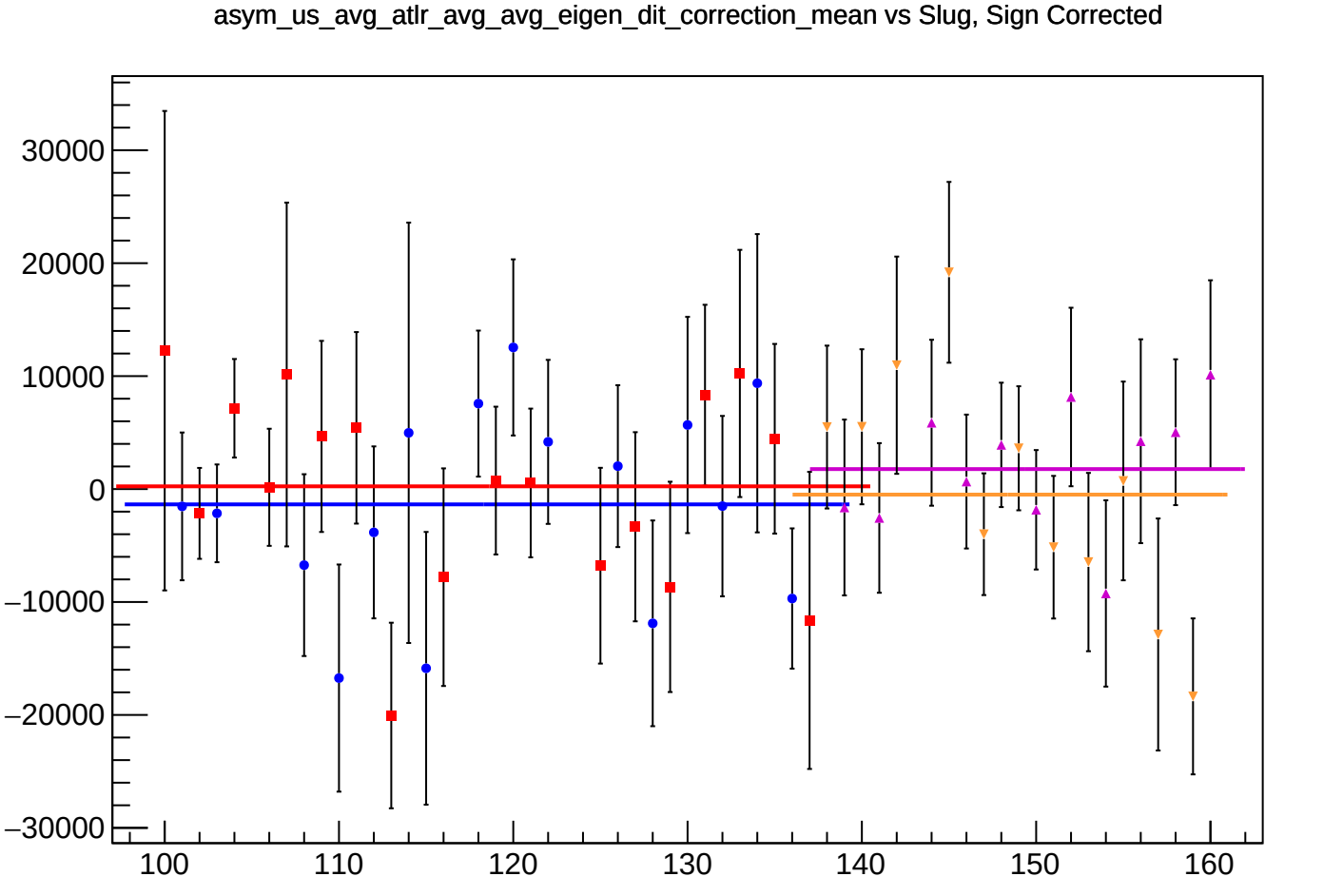
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5030.939+/-462.702 χ^2/NDF:33.1/26

Out: 3465.521+/-477.668 χ^2/NDF:31.0/28

All: 4273.139+/-332.345 χ^2/NDF: 69.6/55


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1887.342+/-0.452 χ²/NDF:15565.5/10
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1877.424+/-0.430 χ²/NDF:12395.1/10
Left: 1882.132+/-0.311 χ²/NDF: 28213.7/21
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1886.950+/-0.327 χ²/NDF:292014.7/26
Out: 1894.626+/-0.338 χ²/NDF:166268.6/28
All: 1890.668+/-0.235 χ²/NDF: 458549.9/55



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: 1768.456+/-2057.045 χ^2/NDF:5.3/10

Left: 681.157+/-1482.032 χ^2/NDF: 25.1/21

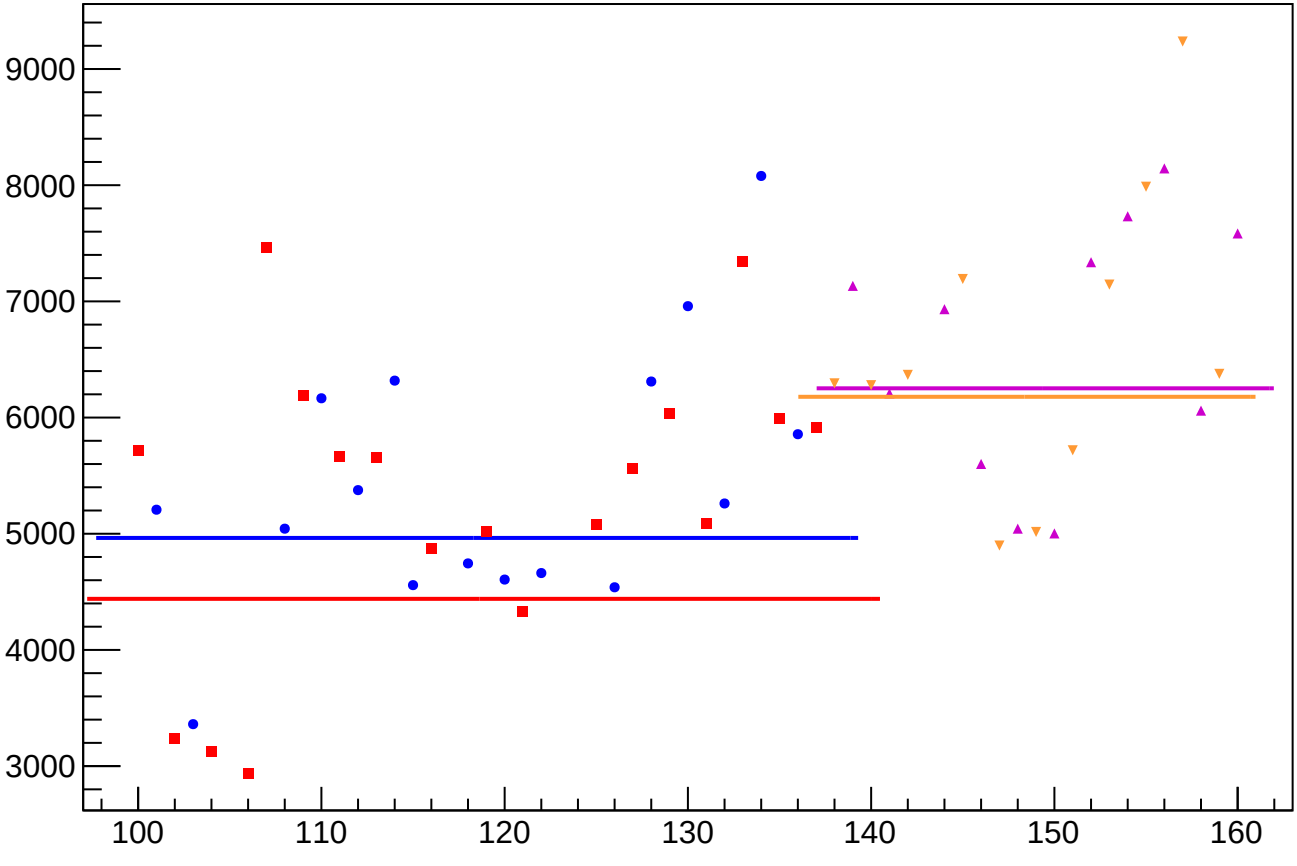
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: 78.812+/-1394.130 χ^2/NDF:21.3/26

Out: -45.720+/-1336.453 χ^2/NDF:35.0/28

All: 13.916+/-964.761 χ^2/NDF: 56.3/55

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6178.721+/-1.511 χ^2/NDF:540317.7/10

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6251.715+/-1.455 χ^2/NDF:517628.4/10

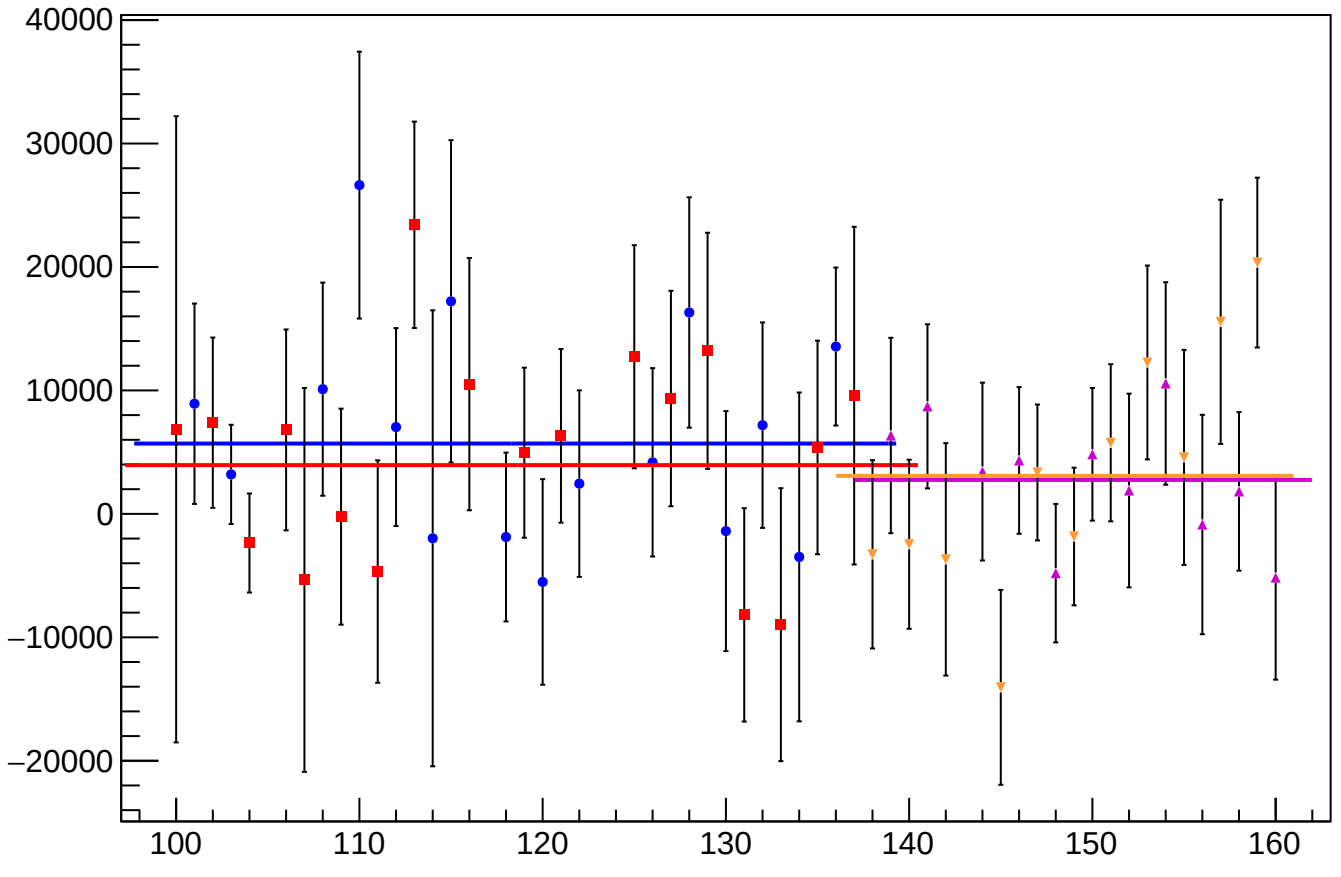
Left: 6216.610+/-1.048 χ^2/NDF: 1059157.3/21

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5555.471+/-0.986 χ^2/NDF:1568776.9/26

Out: 5119.783+/-0.945 χ^2/NDF:2505280.1/28

All: 5328.428+/-0.682 χ^2/NDF: 4175847.1/55



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: 2751.586+/-2061.679 χ^2/NDF:5.1/10

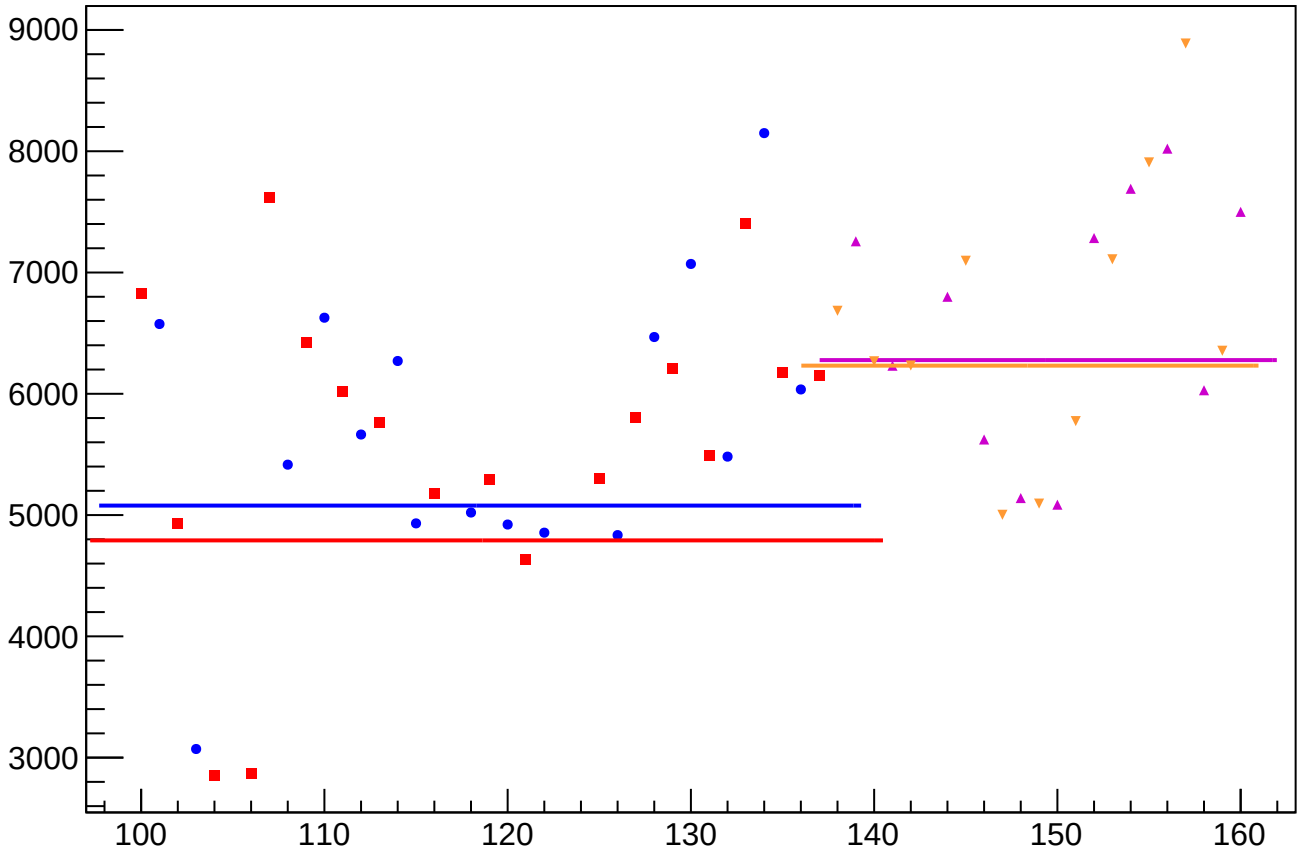
Left: 2908.580+/-1487.863 χ^2/NDF: 21.9/21

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4299.417+/-1420.216 χ^2/NDF:18.8/26

Out: 3563.066+/-1432.138 χ^2/NDF:33.0/28

All: 3934.319+/-1008.433 χ^2/NDF: 52.0/55



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: 6277.868+/-1.458 χ^2/NDF:462178.0/10

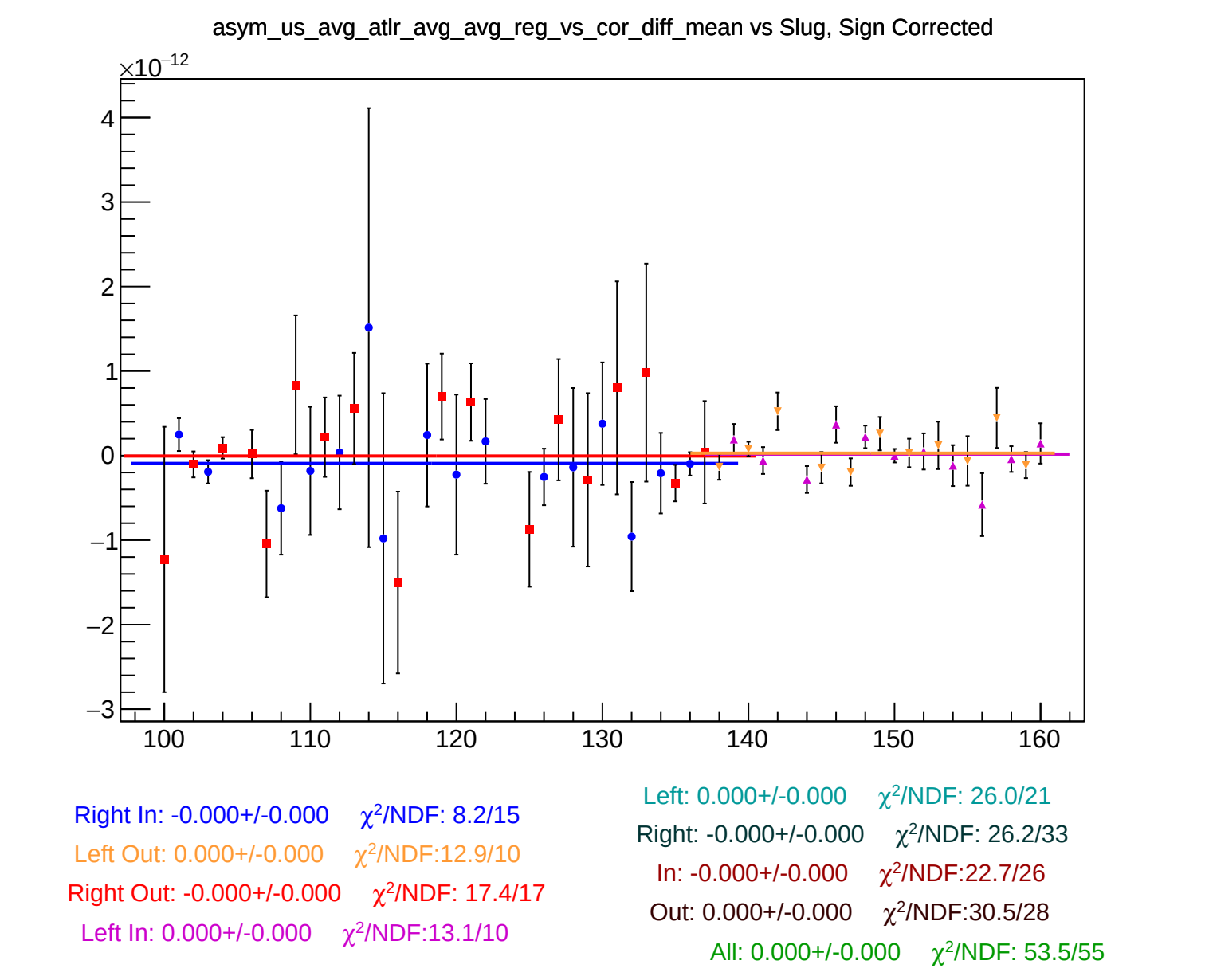
Left: 6255.957+/-1.052 χ^2/NDF: 931040.5/21

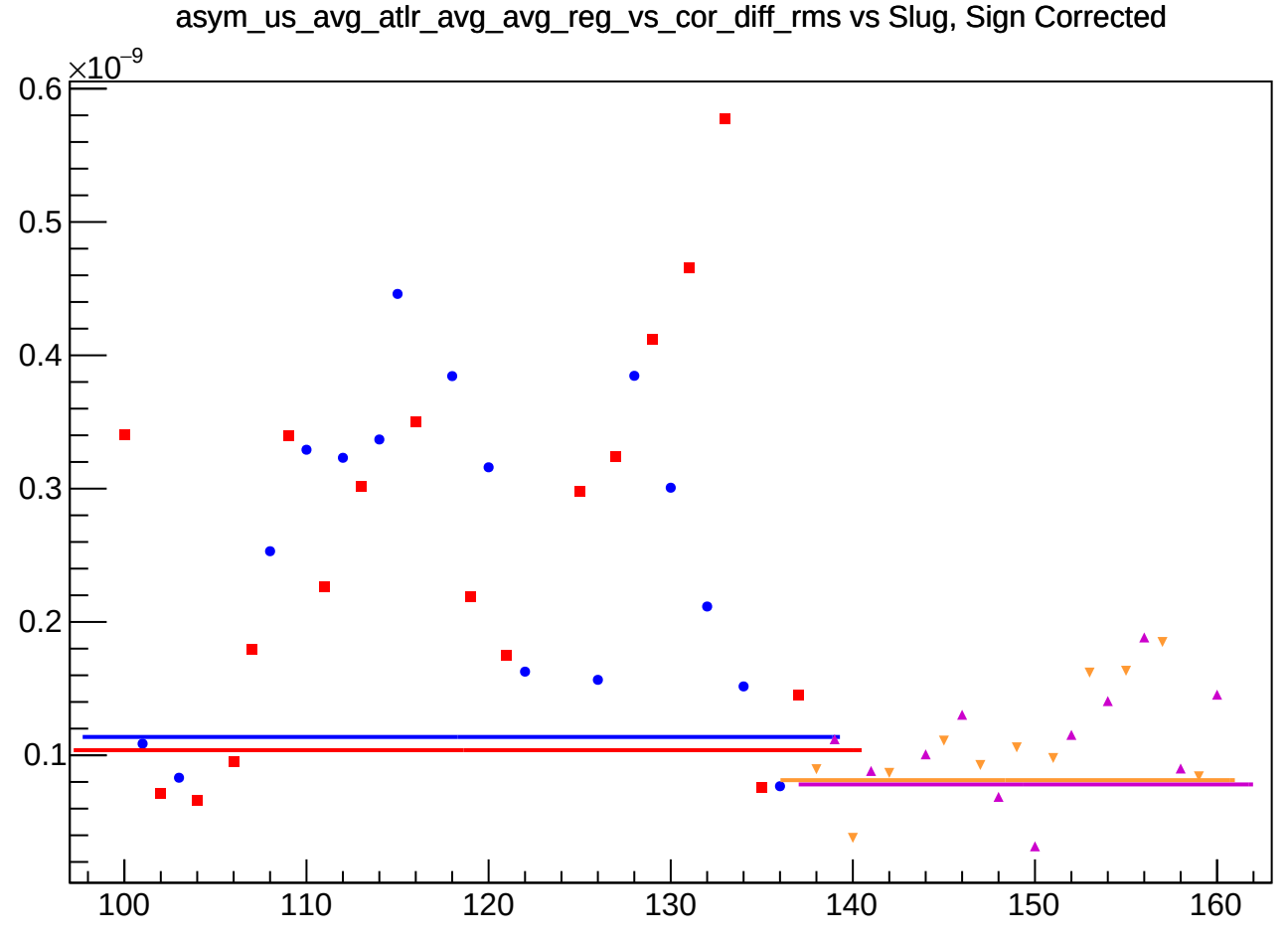
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5647.450+/-1.004 χ^2/NDF:1737259.0/26

Out: 5416.460+/-1.001 χ^2/NDF:2139696.6/28

All: 5531.603+/-0.709 χ^2/NDF: 3903489.8/55


asym_us_avg_atlr_avg_avg_reg_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: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:12.9/10
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:13.1/10
Left: 0.000+/-0.000 χ²/NDF: 26.0/21
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:22.7/26
Out: 0.000+/-0.000 χ²/NDF:30.5/28
All: 0.000+/-0.000 χ²/NDF: 53.5/55



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:1460722.7/10

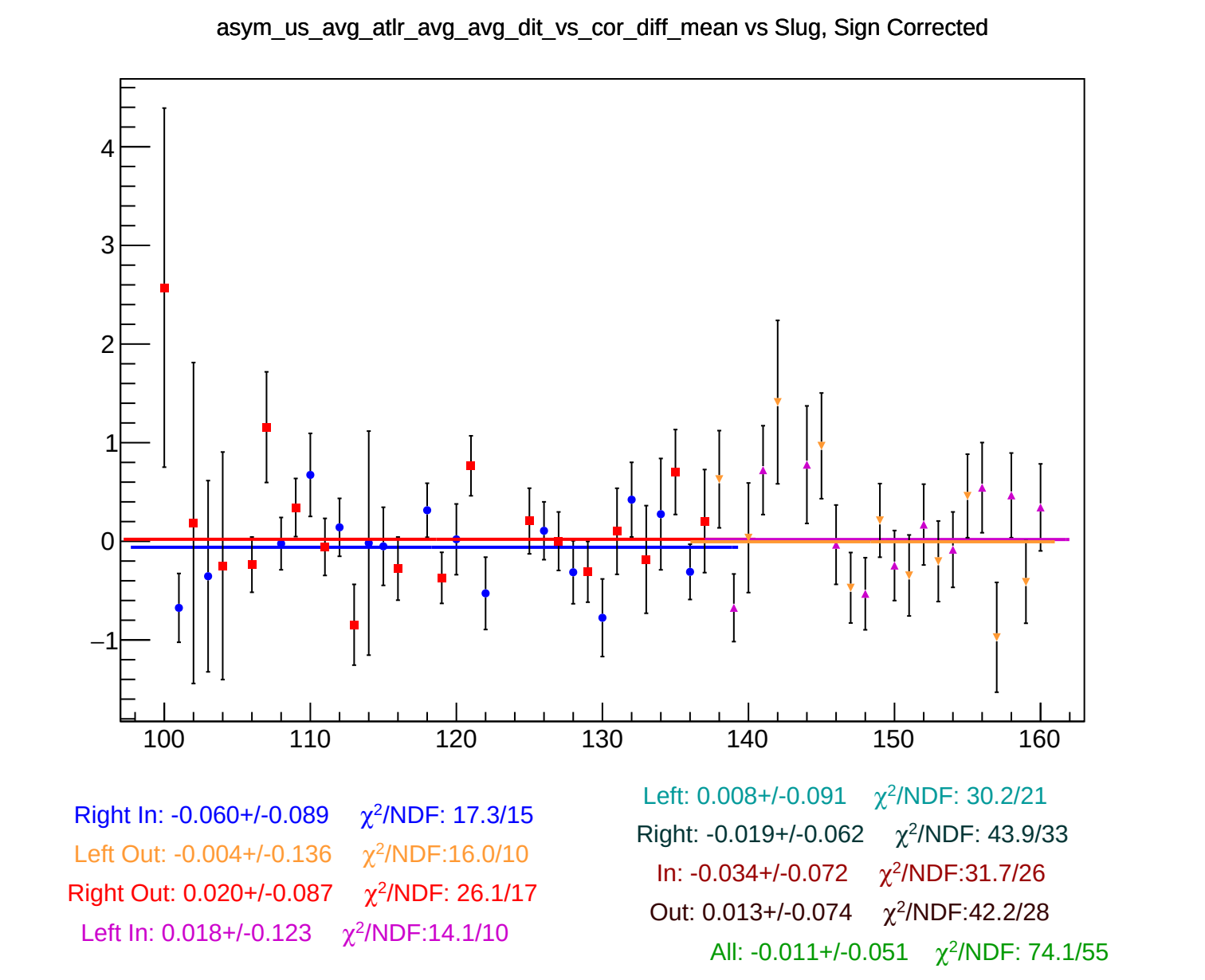
Left: 0.000+/-0.000 χ^2/NDF: 2585875.5/21

Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

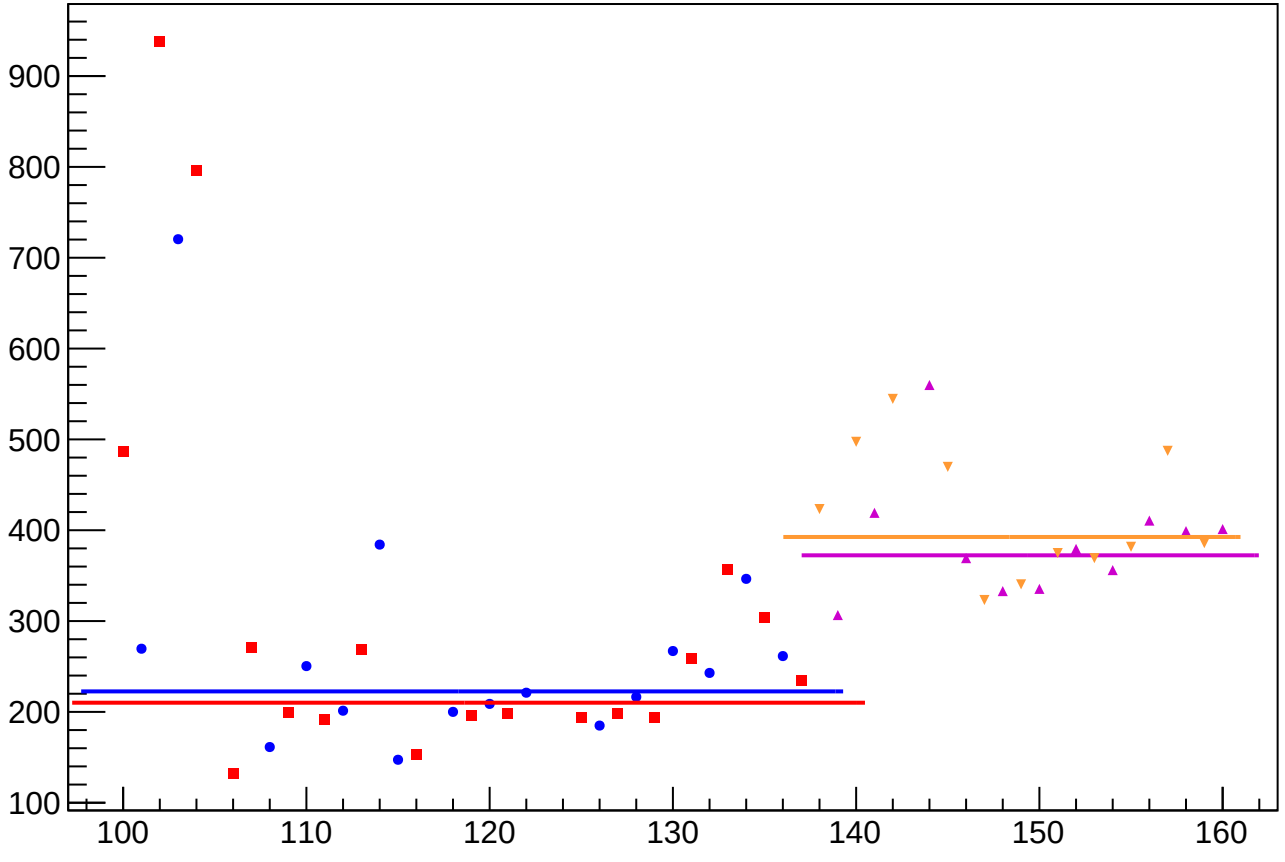
In: 0.000+/-0.000 χ^2/NDF:3291971.8/26

Out: 0.000+/-0.000 χ^2/NDF:3328100.1/28

All: 0.000+/-0.000 χ^2/NDF: 6620123.0/55


asym_us_avg_atlr_avg_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: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.004+/-0.136 χ²/NDF:16.0/10
Right Out: 0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.018+/-0.123 χ²/NDF:14.1/10
Left: 0.008+/-0.091 χ²/NDF: 30.2/21
Right: -0.019+/-0.062 χ²/NDF: 43.9/33
In: -0.034+/-0.072 χ²/NDF:31.7/26
Out: 0.013+/-0.074 χ²/NDF:42.2/28
All: -0.011+/-0.051 χ²/NDF: 74.1/55

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: 372.382+/-0.087 χ^2/NDF:372664.9/10

Left: 381.448+/-0.065 χ^2/NDF: 769179.0/21

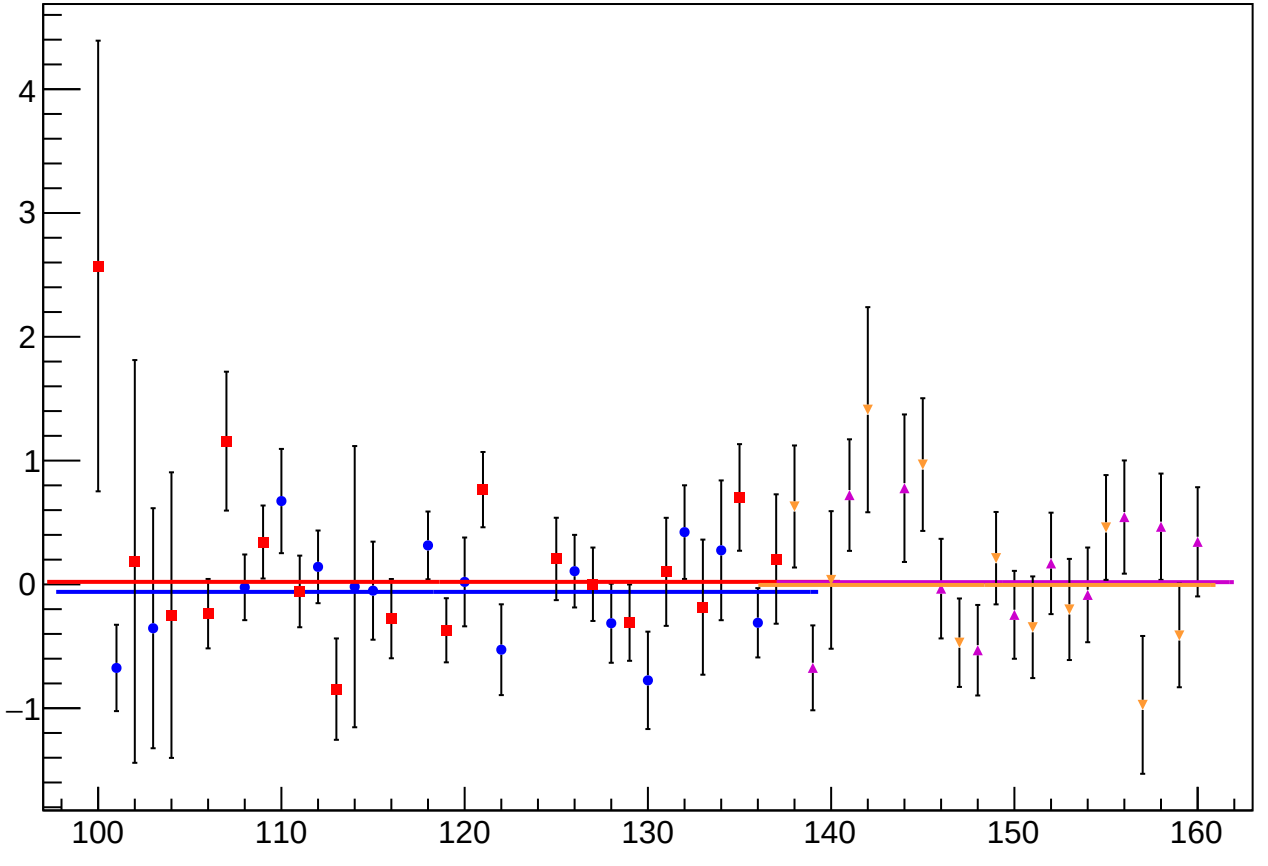
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 273.732+/-0.051 χ^2/NDF:3341745.8/26

Out: 263.261+/-0.052 χ^2/NDF:4457613.0/28

All: 268.616+/-0.036 χ^2/NDF: 7820056.2/55

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: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: 0.008+/-0.091 χ^2/NDF: 30.2/21

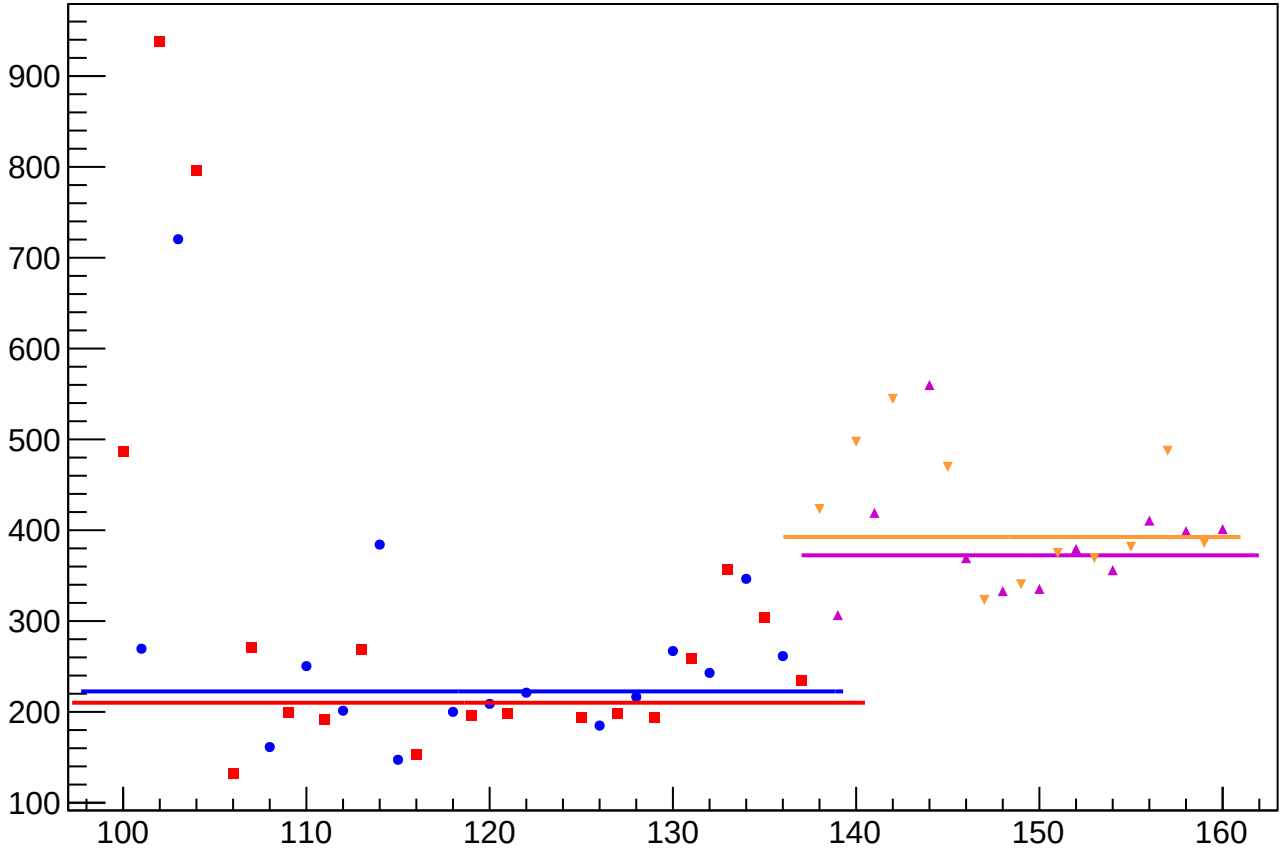
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.011+/-0.051 χ^2/NDF: 74.1/55

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: 372.382+/-0.087 χ^2/NDF:372664.9/10

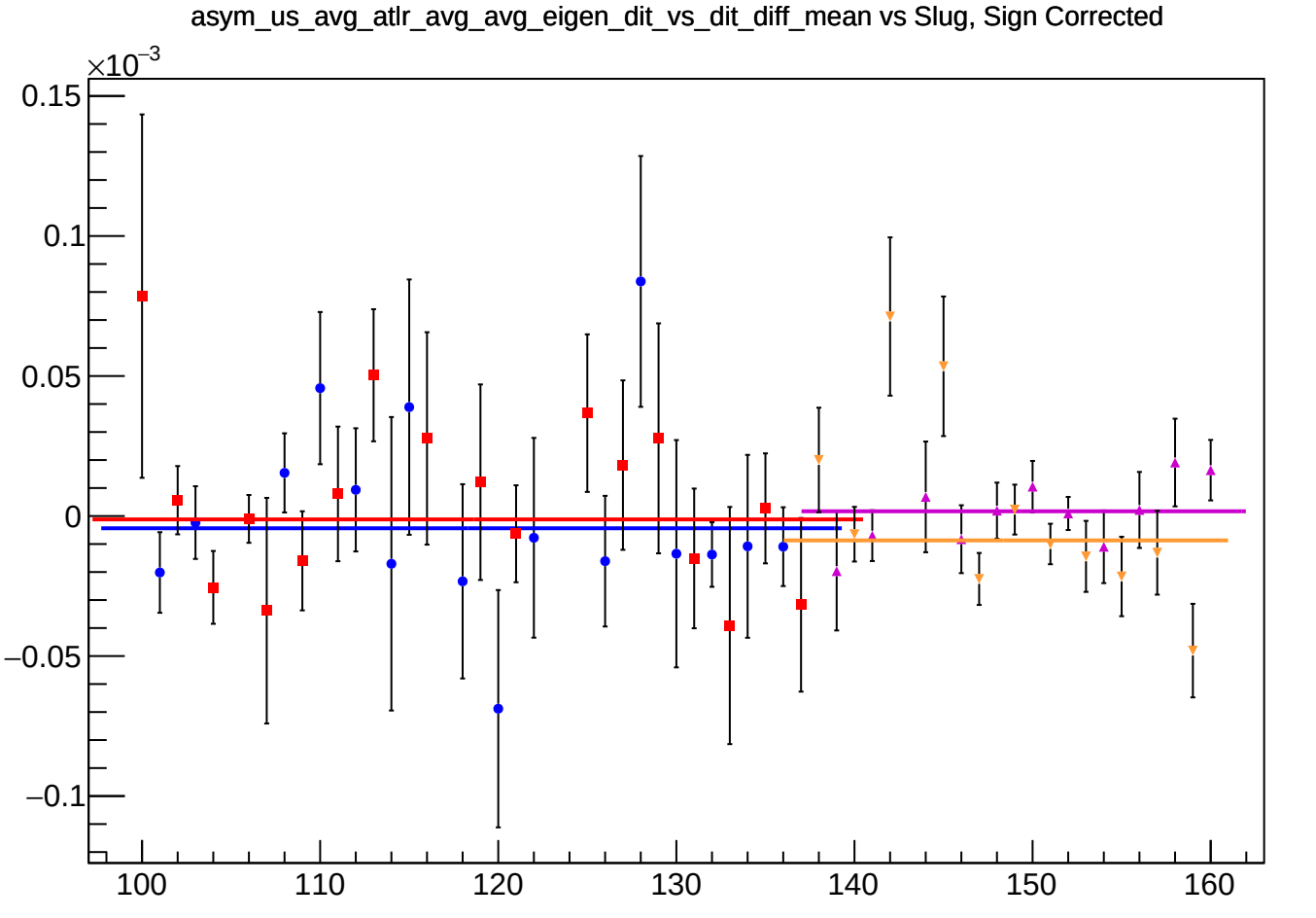
Left: 381.448+/-0.065 χ^2/NDF: 769179.0/21

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

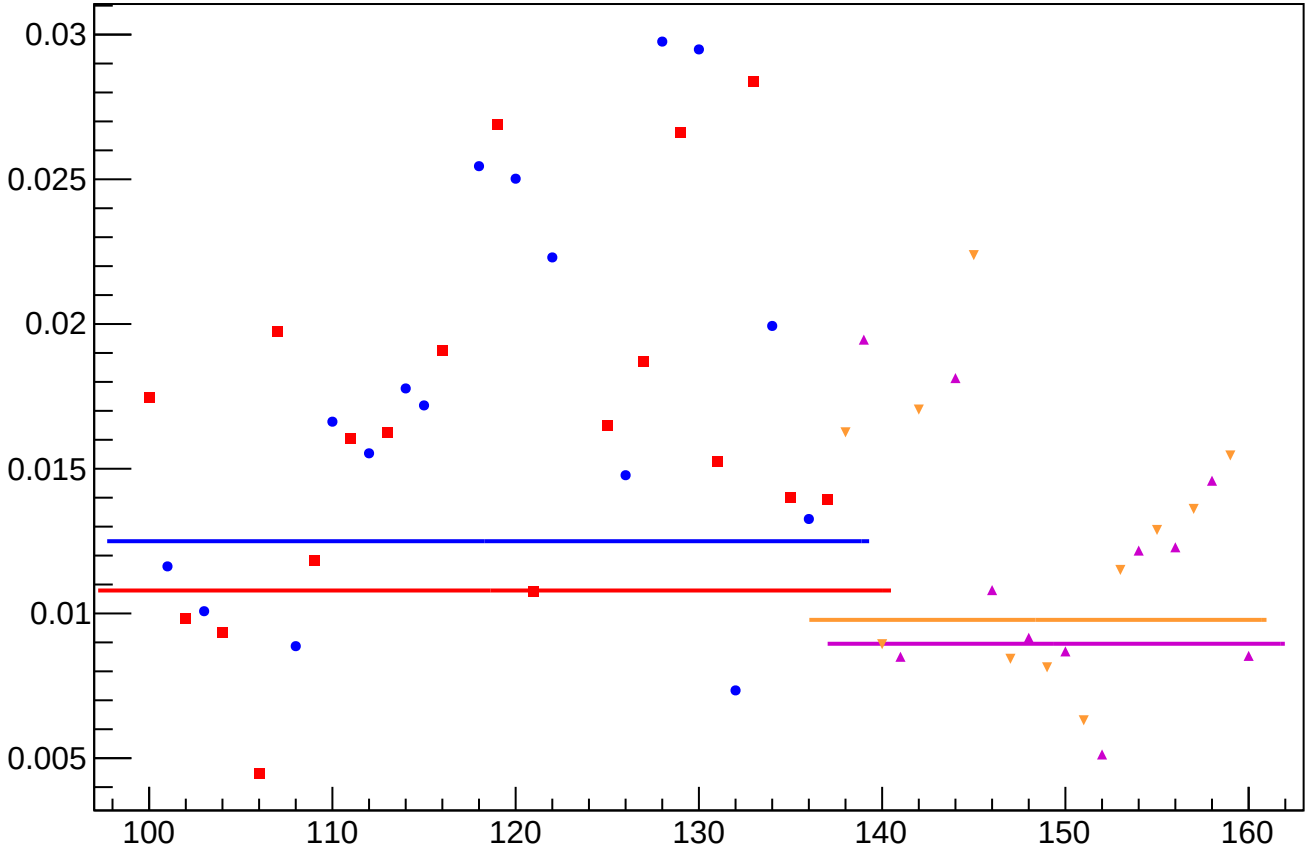
In: 273.732+/-0.051 χ^2/NDF:3341745.8/26

Out: 263.261+/-0.052 χ^2/NDF:4457613.0/28

All: 268.616+/-0.036 χ^2/NDF: 7820056.2/55


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:7.7/10
Left: -0.000+/-0.000 χ²/NDF: 39.5/21
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:24.3/26
Out: -0.000+/-0.000 χ²/NDF:46.0/28
All: -0.000+/-0.000 χ²/NDF: 72.6/55

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:2321912.4/10

Left: 0.009+/-0.000 χ^2/NDF: 4346634.6/21

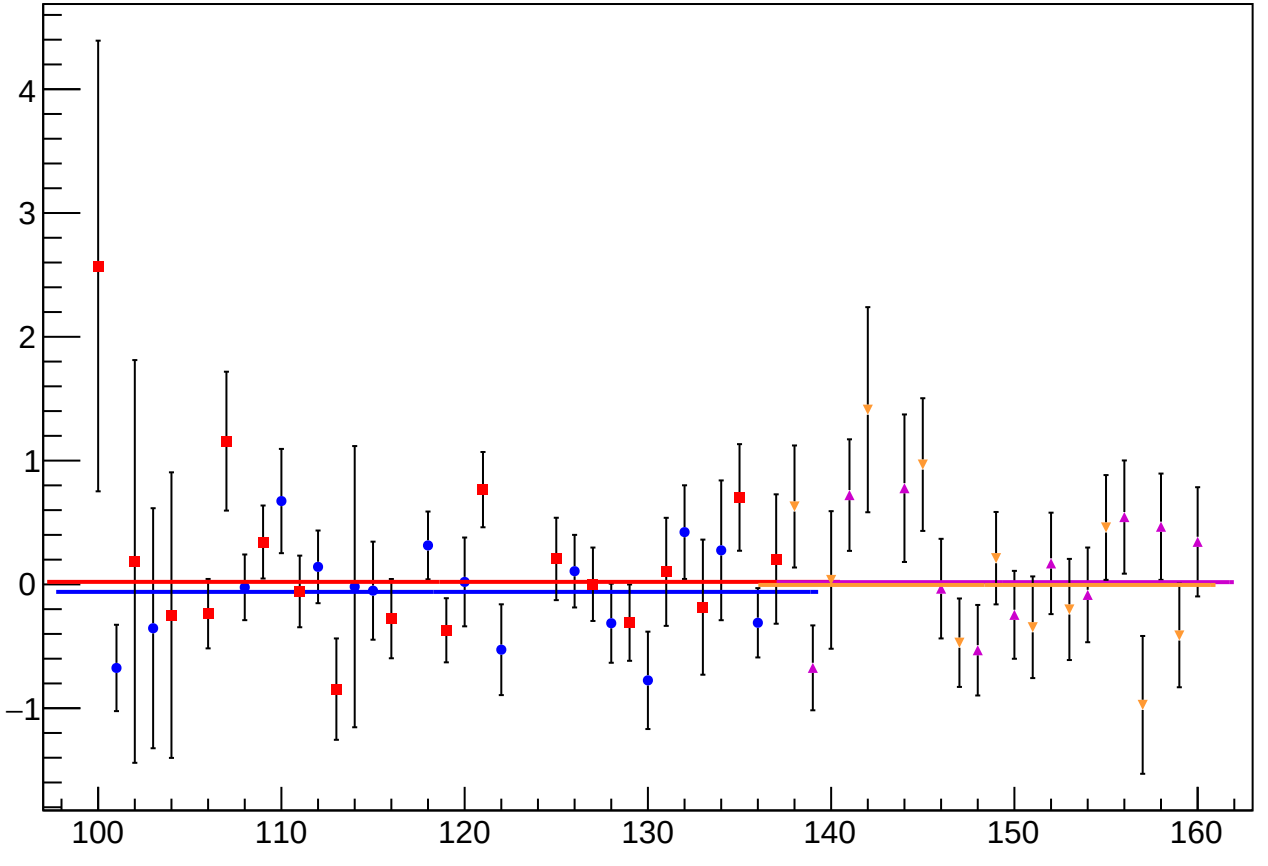
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5133675.3/26

Out: 0.010+/-0.000 χ^2/NDF:5013956.4/28

All: 0.010+/-0.000 χ^2/NDF: 10153273.1/55

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: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: 0.008+/-0.091 χ^2/NDF: 30.2/21

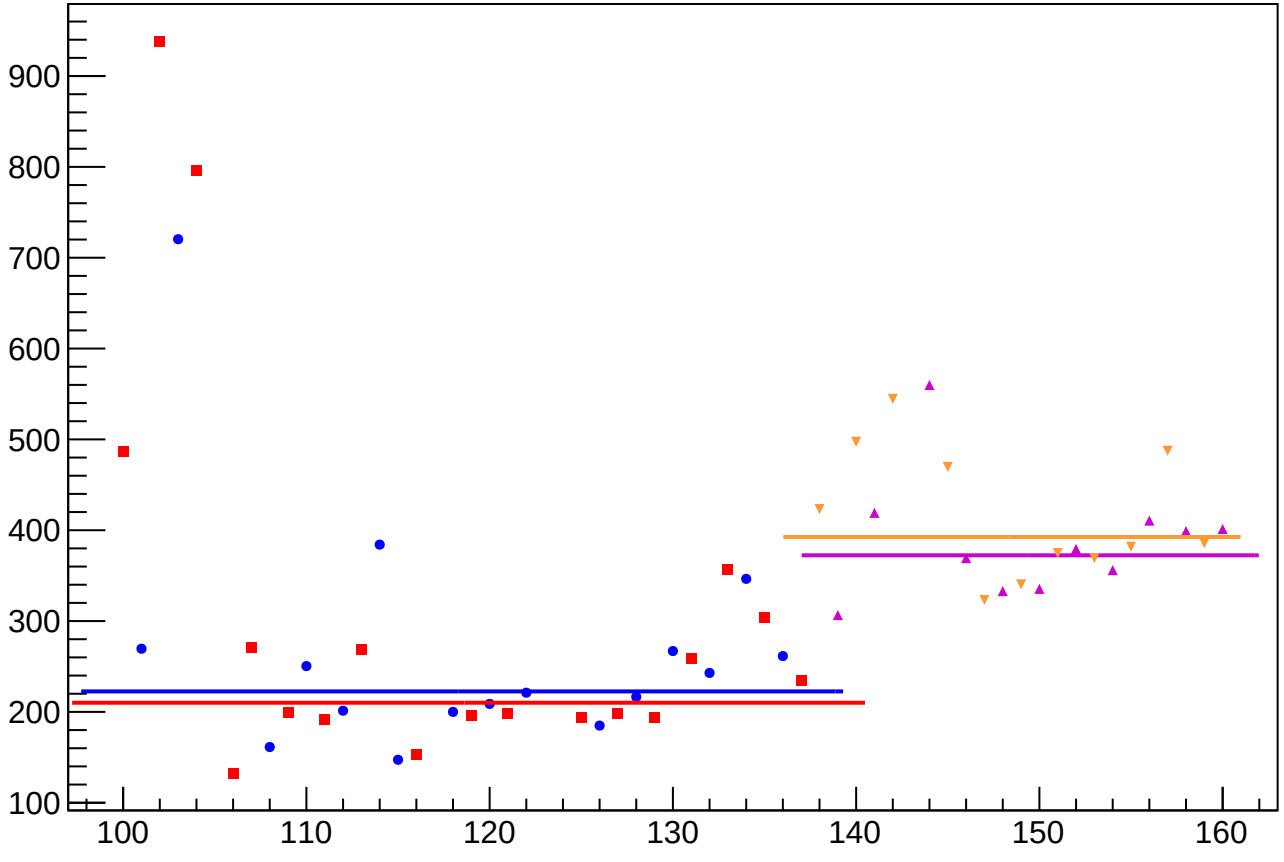
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.011+/-0.051 χ^2/NDF: 74.1/55

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: 372.388+/-0.087 χ^2/NDF:372658.9/10

Left: 381.454+/-0.065 χ^2/NDF: 769174.1/21

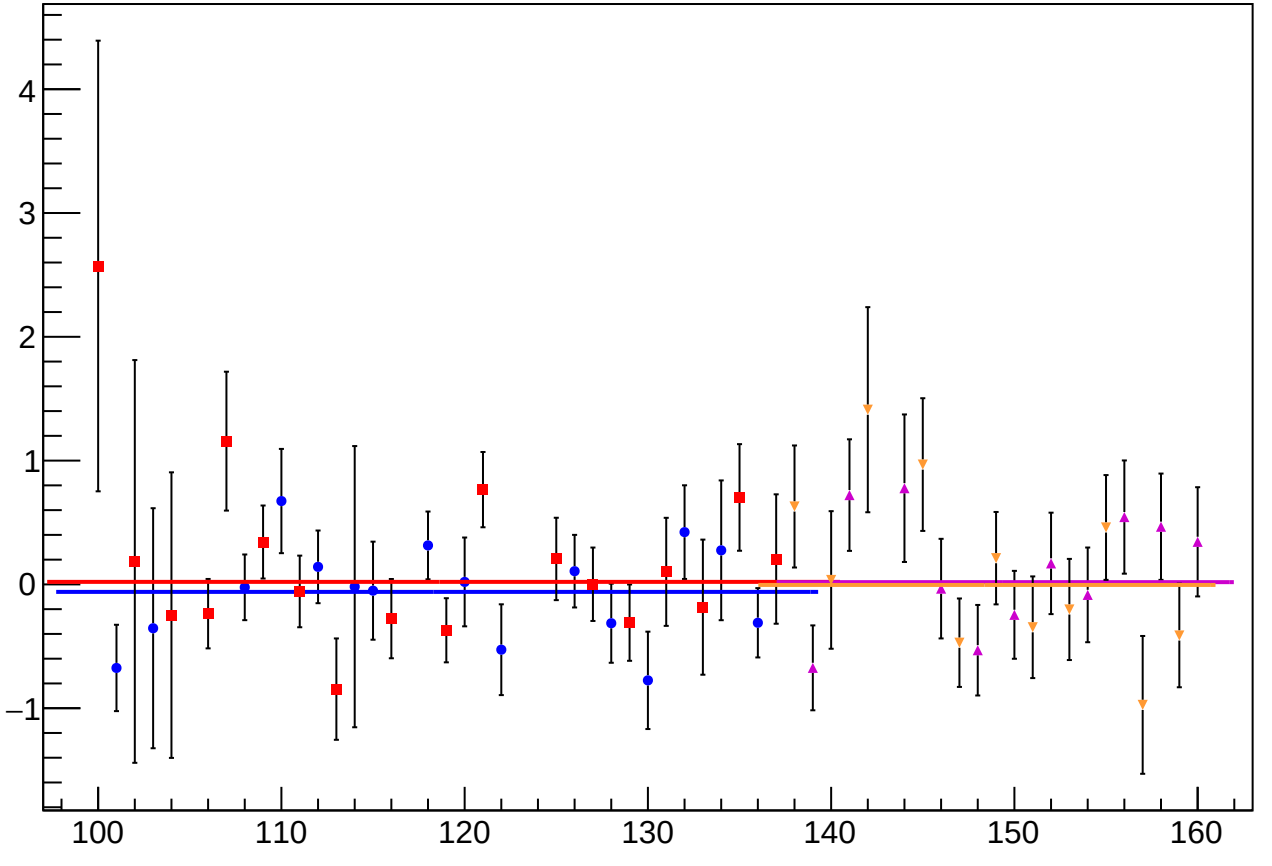
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 273.731+/-0.051 χ^2/NDF:3341893.9/26

Out: 263.259+/-0.052 χ^2/NDF:4457789.3/28

All: 268.615+/-0.036 χ^2/NDF: 7820386.5/55

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: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: 0.008+/-0.091 χ^2/NDF: 30.2/21

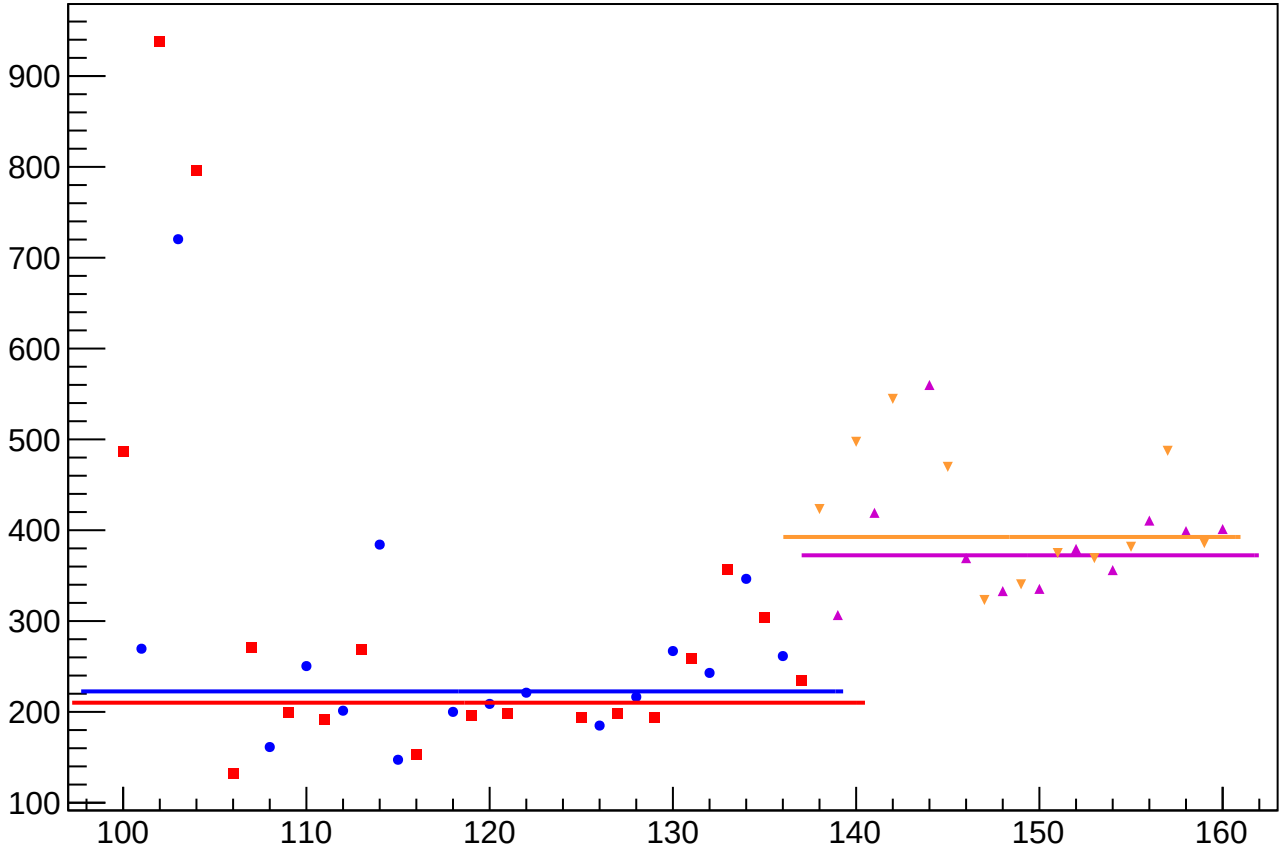
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: 0.013+/-0.074 χ^2/NDF:42.2/28

All: -0.011+/-0.051 χ^2/NDF: 74.1/55

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: 372.388+/-0.087 χ^2/NDF:372658.9/10

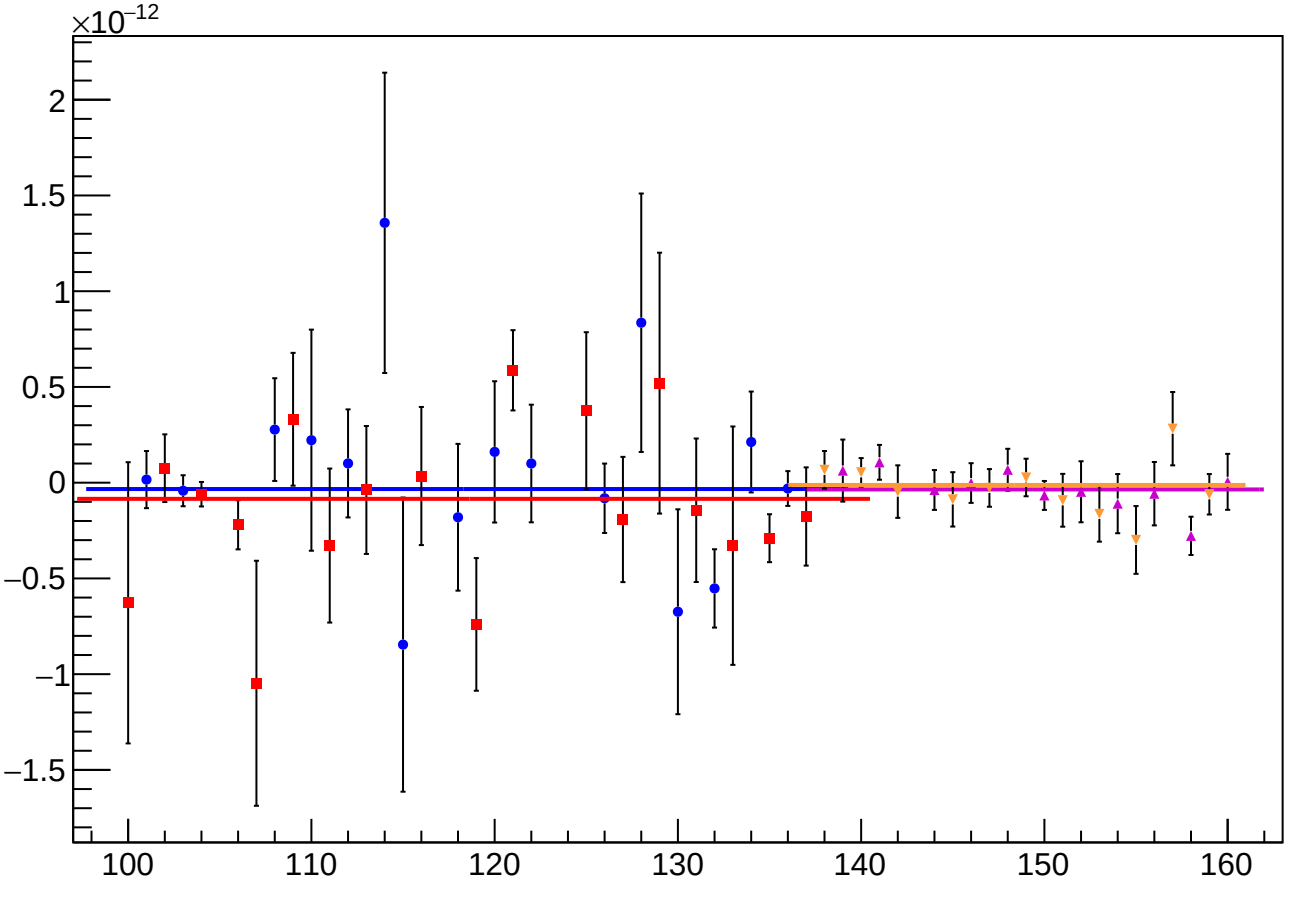
Left: 381.454+/-0.065 χ^2/NDF: 769174.1/21

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 273.731+/-0.051 χ^2/NDF:3341893.9/26

Out: 263.259+/-0.052 χ^2/NDF:4457789.3/28

All: 268.615+/-0.036 χ^2/NDF: 7820386.5/55



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:10.2/10

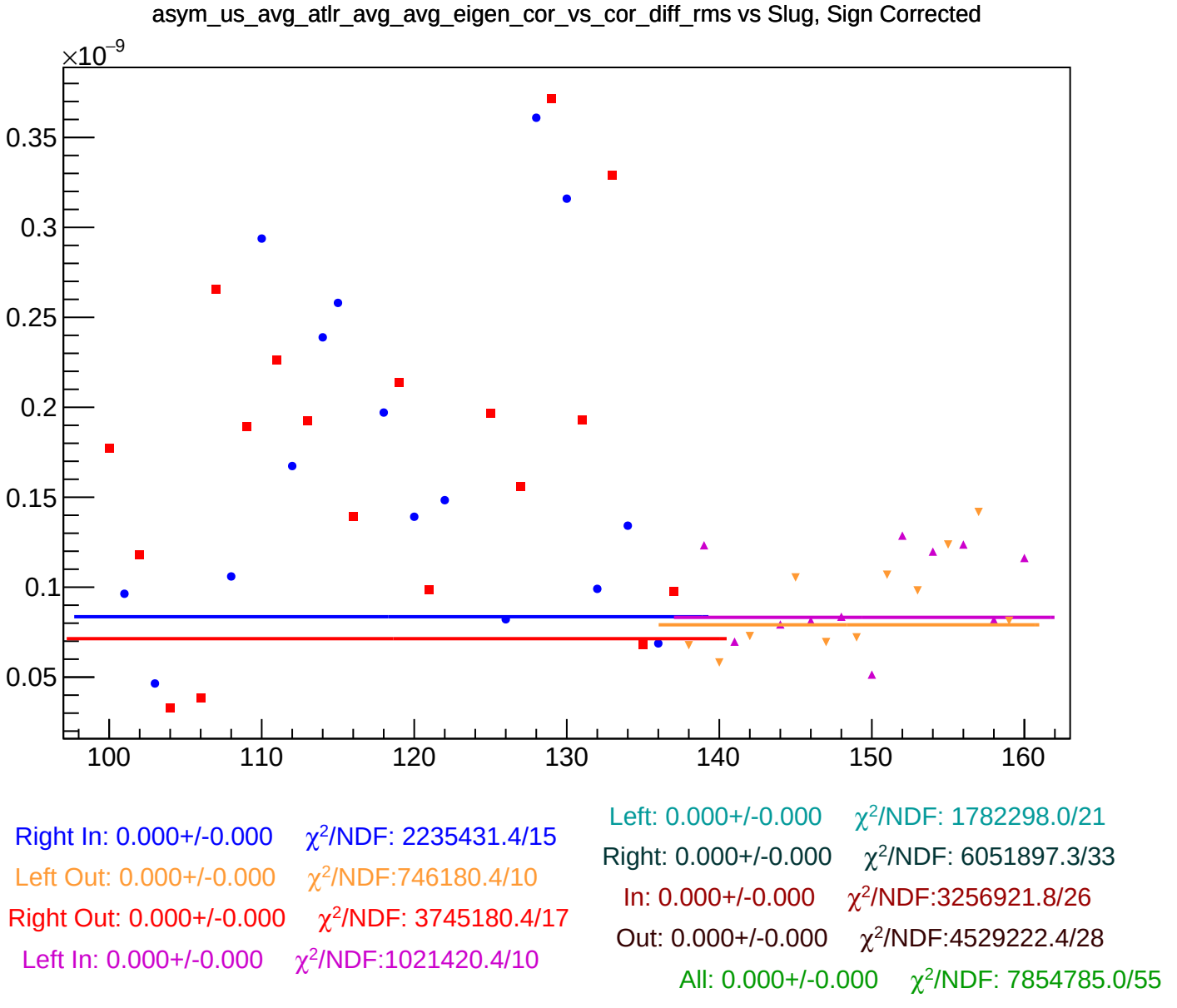
Left: -0.000+/-0.000 χ^2/NDF: 19.0/21

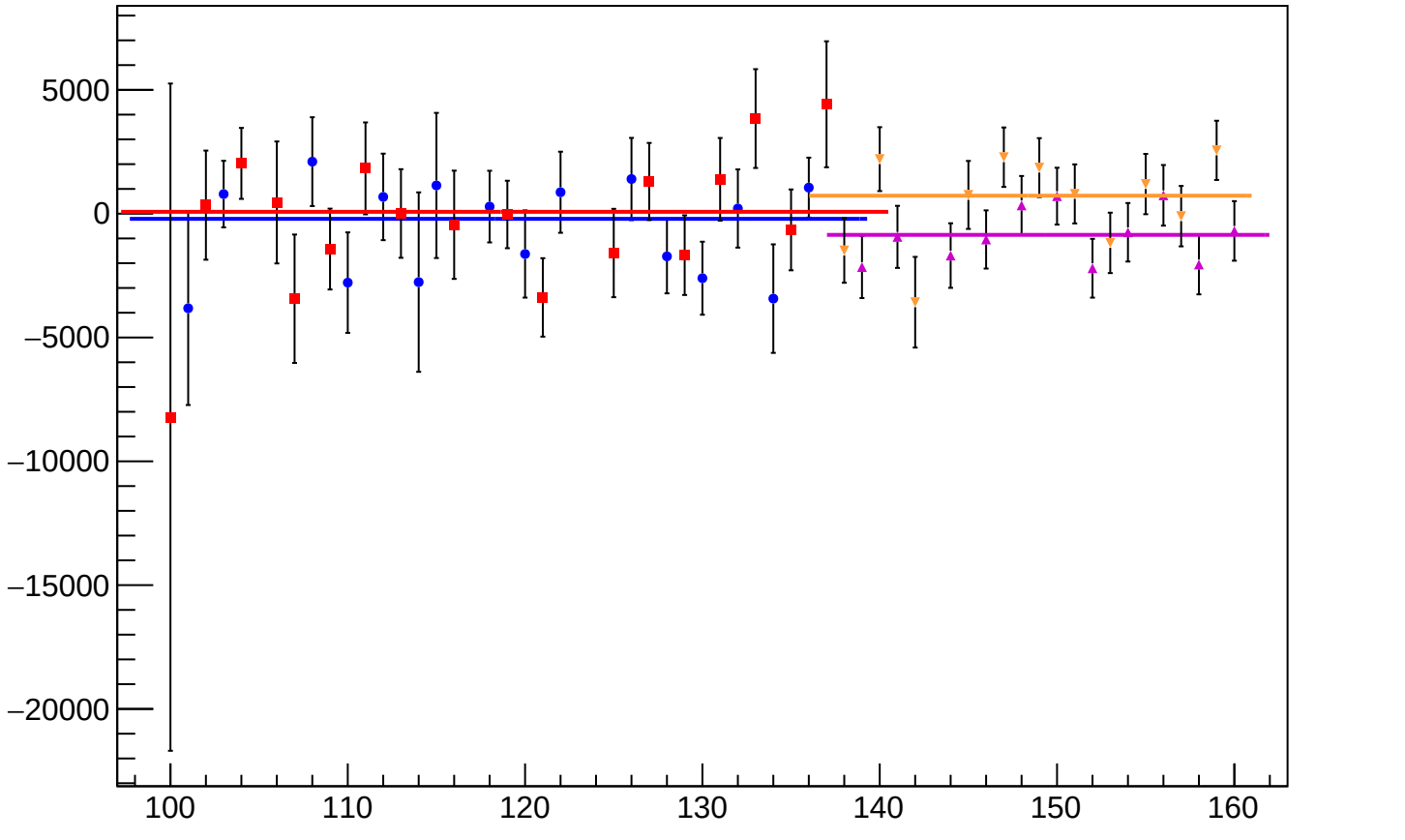
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:36.1/28

All: -0.000+/-0.000 χ^2/NDF: 63.5/55


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:1021420.4/10
Left: 0.000+/-0.000 χ²/NDF: 1782298.0/21
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3256921.8/26
Out: 0.000+/-0.000 χ²/NDF:4529222.4/28
All: 0.000+/-0.000 χ²/NDF: 7854785.0/55



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: -855.710+/-364.600 χ^2/NDF:8.4/10

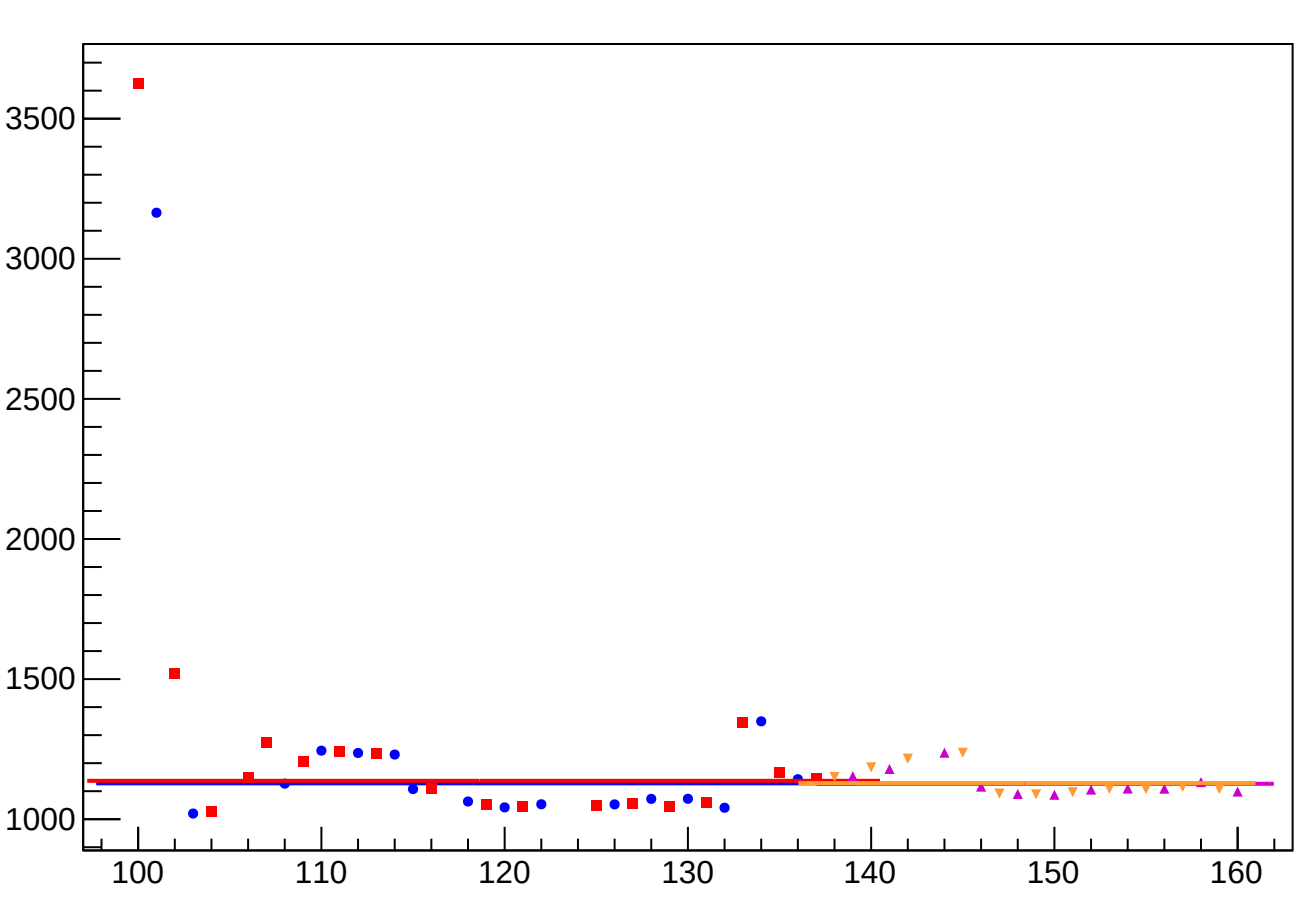
Left: -101.744+/-263.864 χ^2/NDF: 35.0/21

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -584.328+/-277.861 χ^2/NDF:24.5/26

Out: 440.194+/-285.954 χ^2/NDF:39.6/28

All: -86.770+/-199.277 χ^2/NDF: 70.7/55



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1128.904+/-0.270 χ^2/NDF:29096.2/10

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

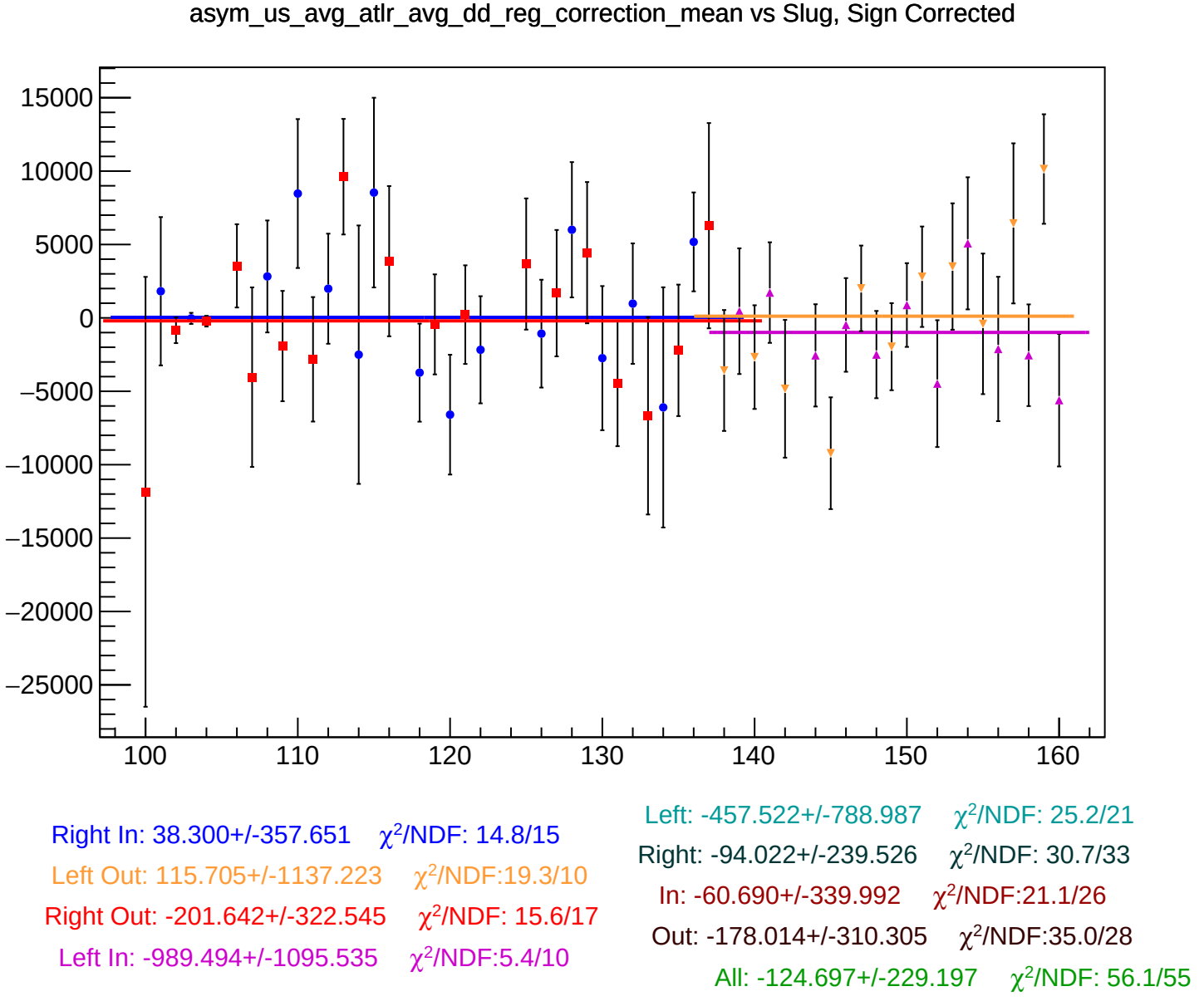
Left: 1127.622+/-0.187 χ^2/NDF: 54958.1/21

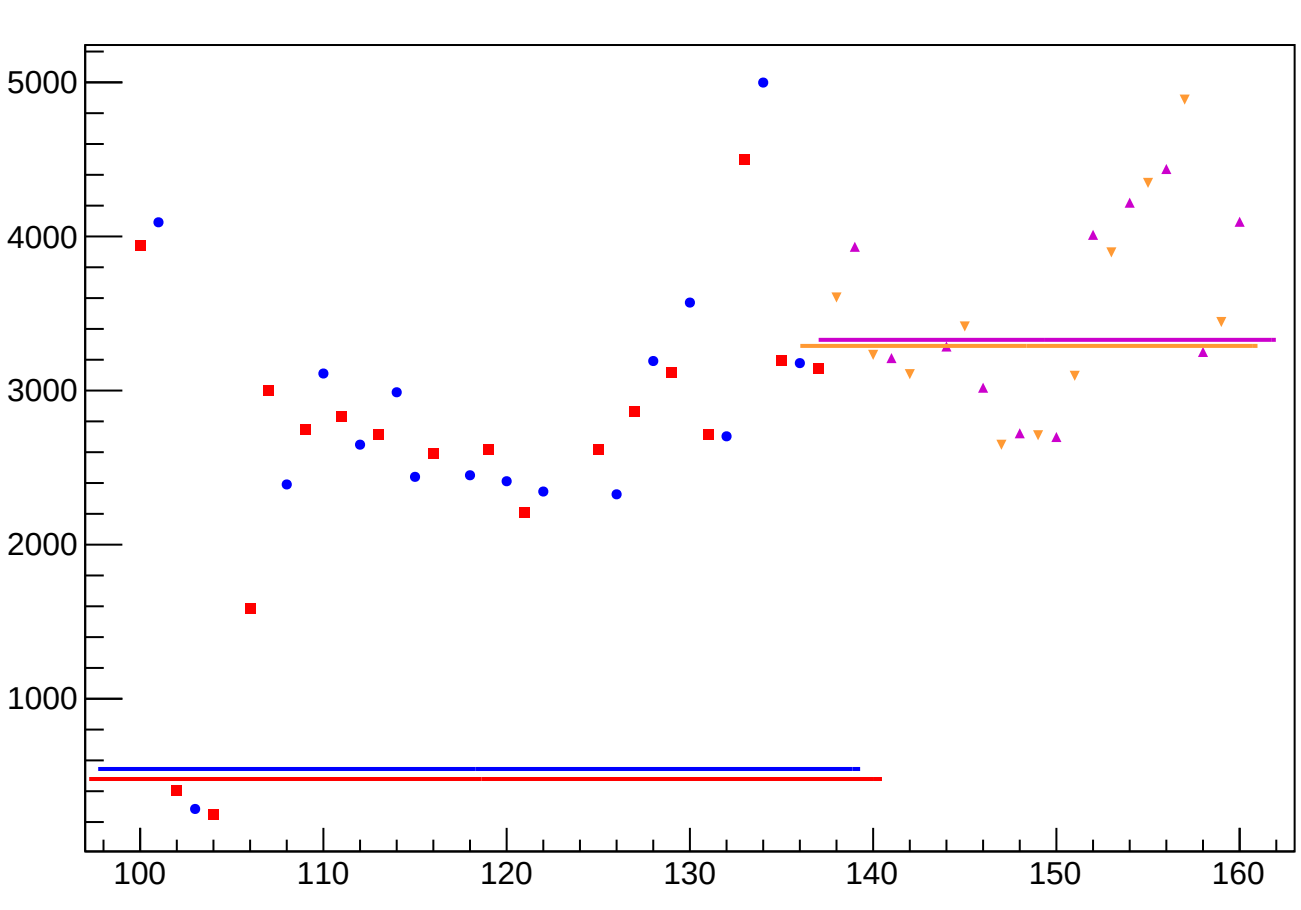
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1127.106+/-0.196 χ^2/NDF:647228.7/26

Out: 1132.497+/-0.202 χ^2/NDF:249582.4/28

All: 1129.727+/-0.141 χ^2/NDF: 897176.9/55


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: -989.494+/-1095.535 χ²/NDF:5.4/10
Left: -457.522+/-788.987 χ²/NDF: 25.2/21
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -60.690+/-339.992 χ²/NDF:21.1/26
Out: -178.014+/-310.305 χ²/NDF:35.0/28
All: -124.697+/-229.197 χ²/NDF: 56.1/55



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: 3329.152+/-0.775 χ^2/NDF:530634.1/10

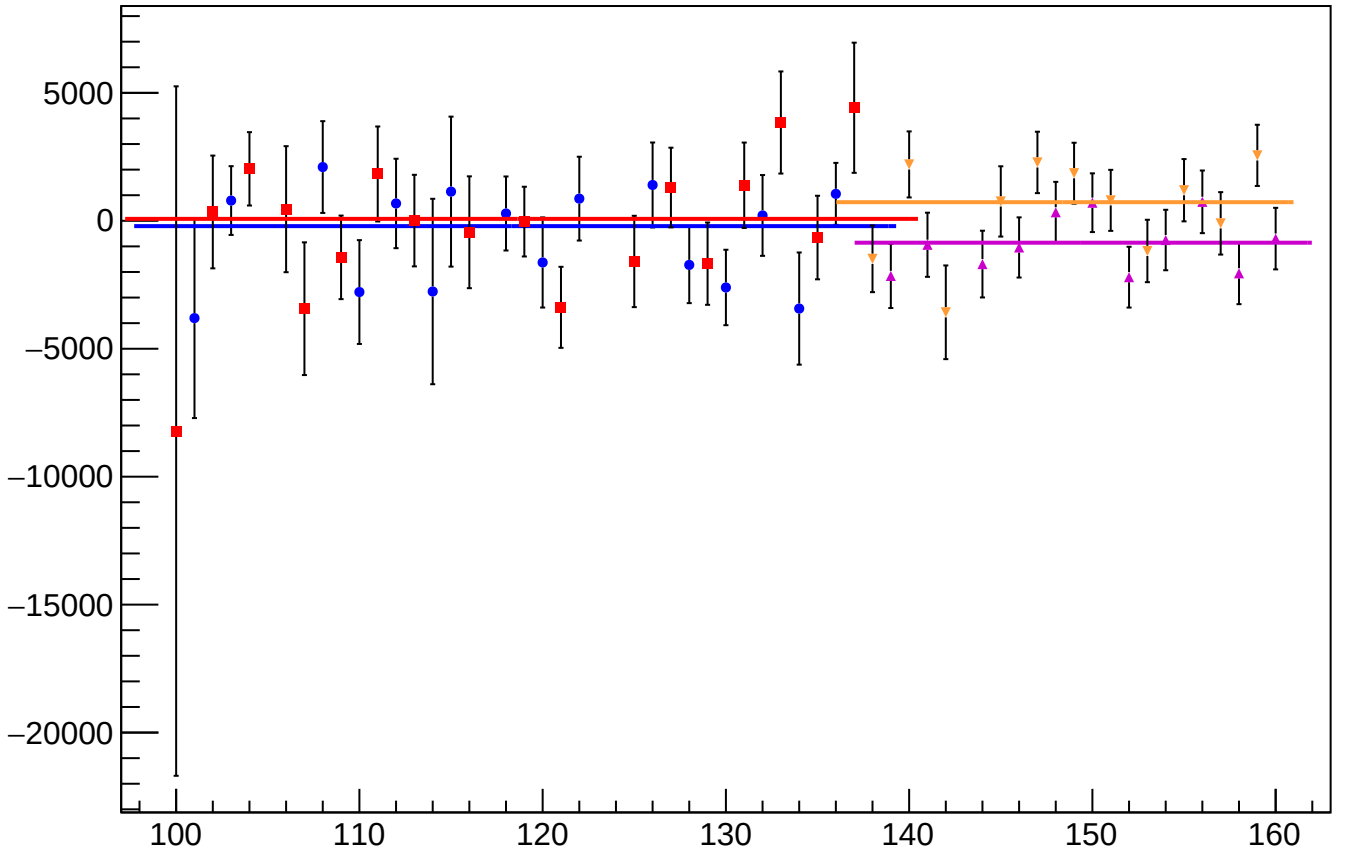
Left: 3310.177+/-0.558 χ^2/NDF: 1041580.0/21

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 812.550+/-0.240 χ^2/NDF:21892130.9/26

Out: 688.503+/-0.219 χ^2/NDF:21003376.6/28

All: 744.875+/-0.162 χ^2/NDF: 43040751.7/55



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: -855.746+/-364.600 χ^2/NDF:8.4/10

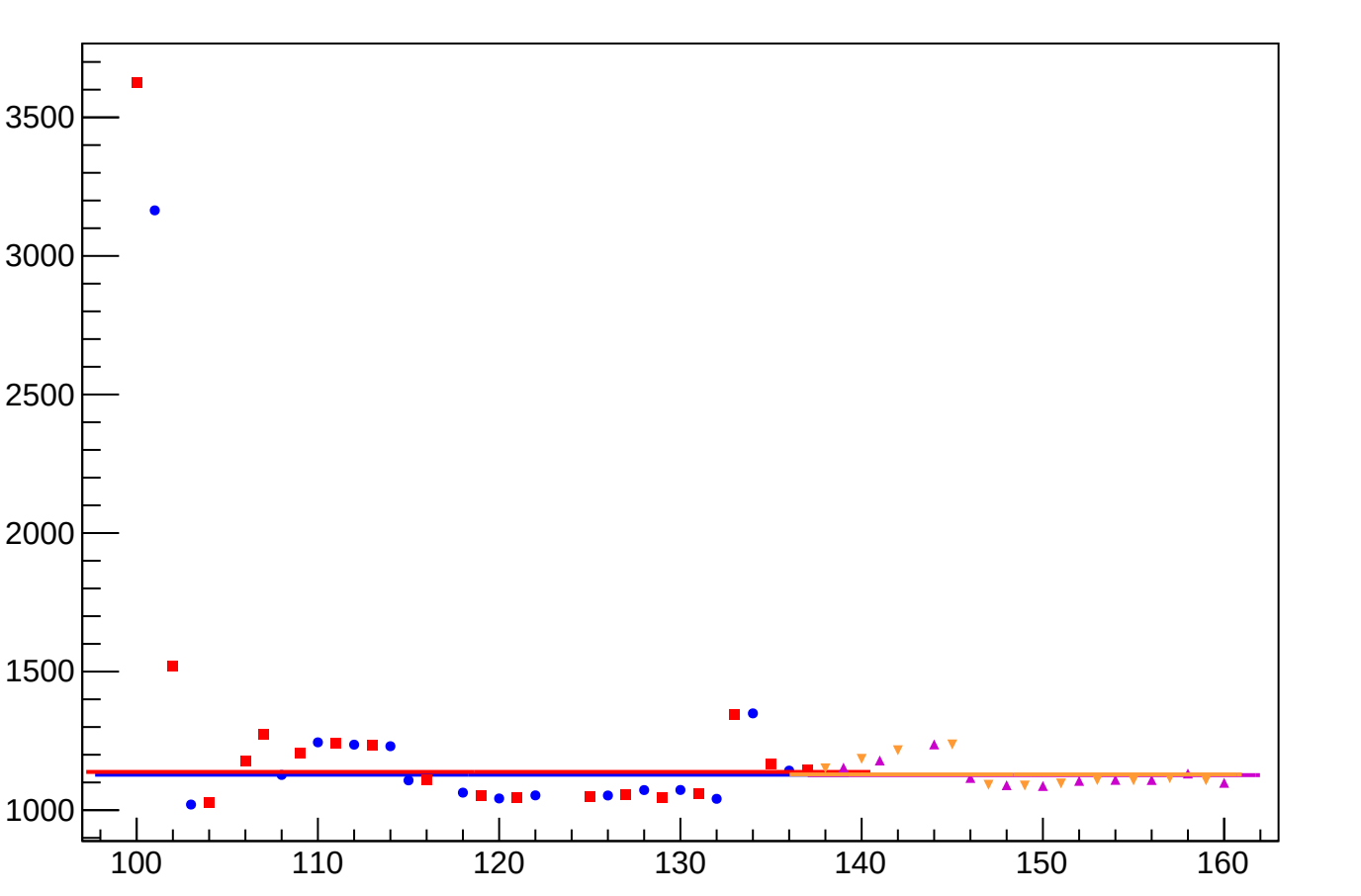
Left: -101.752+/-263.864 χ^2/NDF: 35.0/21

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -584.253+/-277.861 χ^2/NDF:24.5/26

Out: 440.270+/-285.954 χ^2/NDF:39.6/28

All: -86.695+/-199.277 χ^2/NDF: 70.7/55



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: 1126.456+/-0.258 χ^2/NDF:25819.0/10

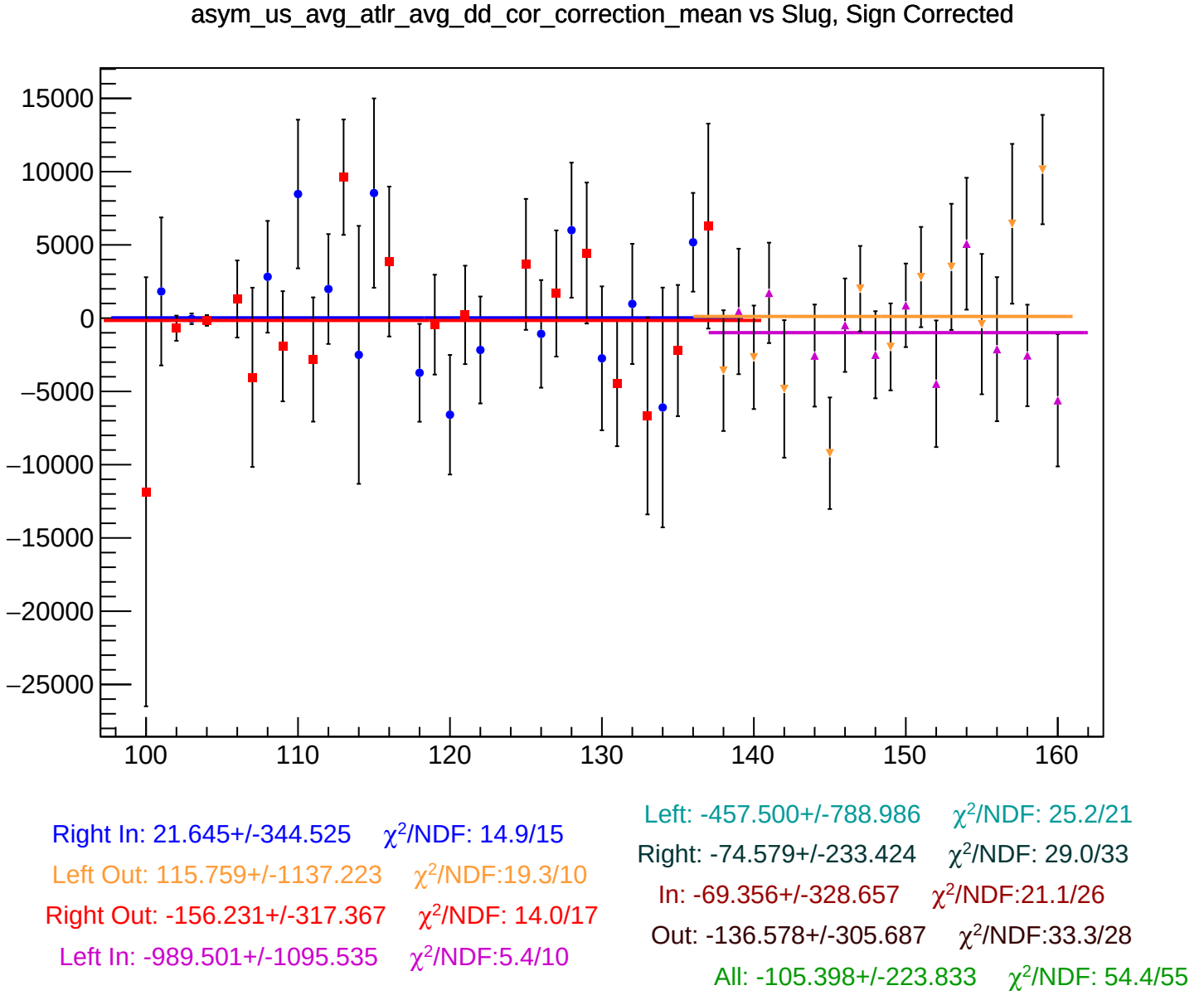
Left: 1127.622+/-0.187 χ^2/NDF: 54958.1/21

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

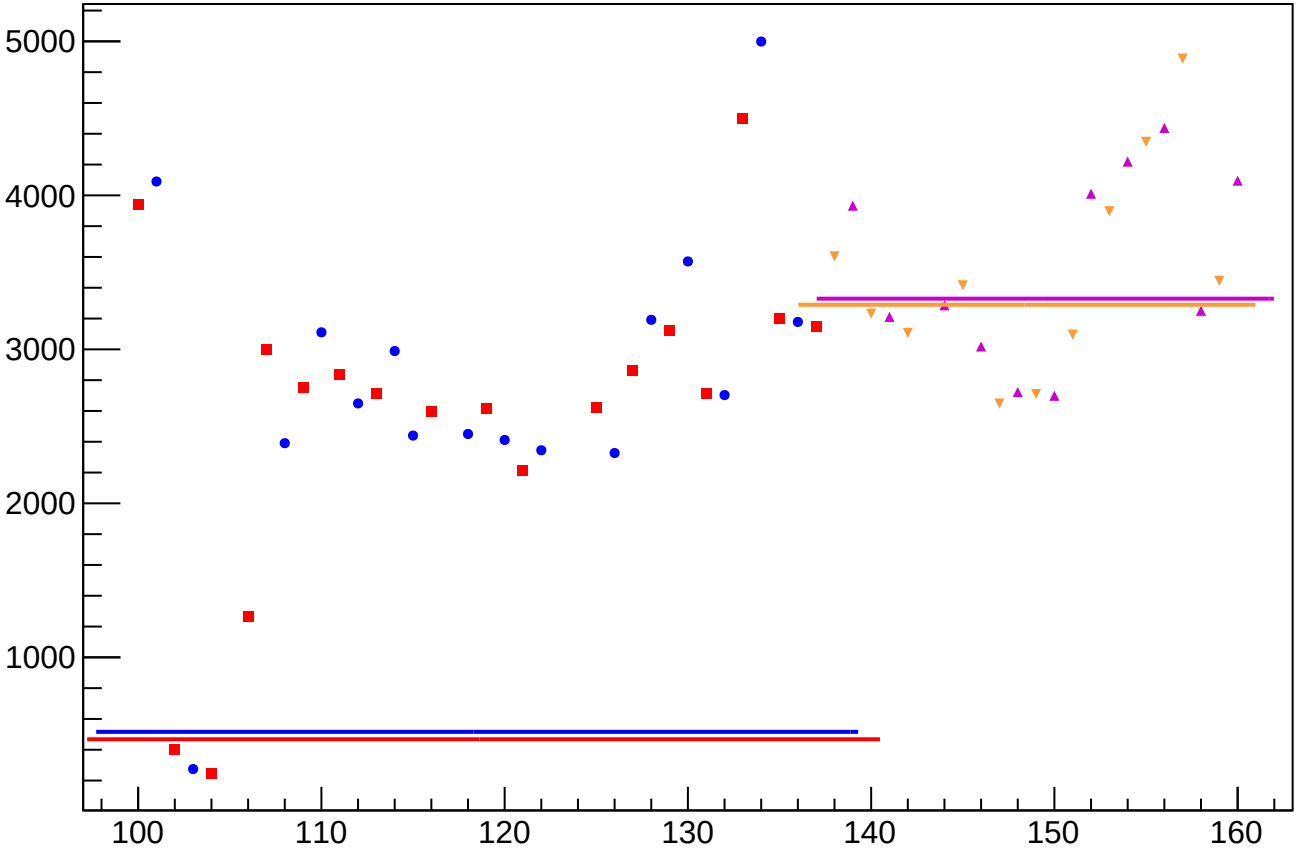
In: 1127.106+/-0.196 χ^2/NDF:647229.8/26

Out: 1132.915+/-0.202 χ^2/NDF:250219.7/28

All: 1129.928+/-0.141 χ^2/NDF: 897874.1/55


asym_us_avg_atlr_avg_dd_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: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 115.759+/-1137.223 χ²/NDF:19.3/10
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -989.501+/-1095.535 χ²/NDF:5.4/10
Left: -457.500+/-788.986 χ²/NDF: 25.2/21
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -69.356+/-328.657 χ²/NDF:21.1/26
Out: -136.578+/-305.687 χ²/NDF:33.3/28
All: -105.398+/-223.833 χ²/NDF: 54.4/55

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: 3329.151+/-0.775 χ^2/NDF:530639.1/10

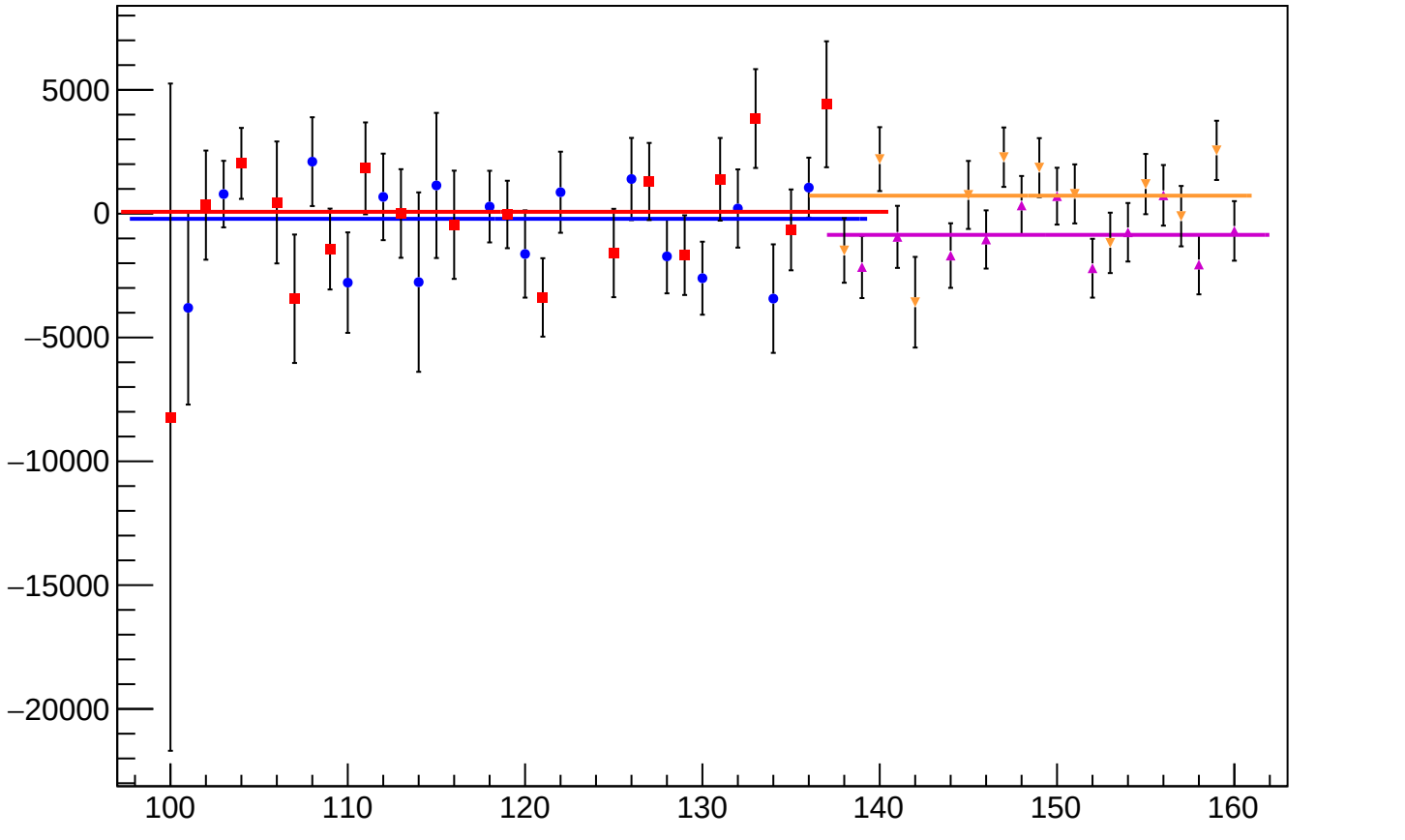
Left: 3310.176+/-0.558 χ^2/NDF: 1041587.3/21

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 769.448+/-0.232 χ^2/NDF:22363452.5/26

Out: 671.937+/-0.216 χ^2/NDF:21043930.2/28

All: 717.166+/-0.158 χ^2/NDF: 43501777.4/55



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: -855.746+/-364.600 χ^2/NDF:8.4/10

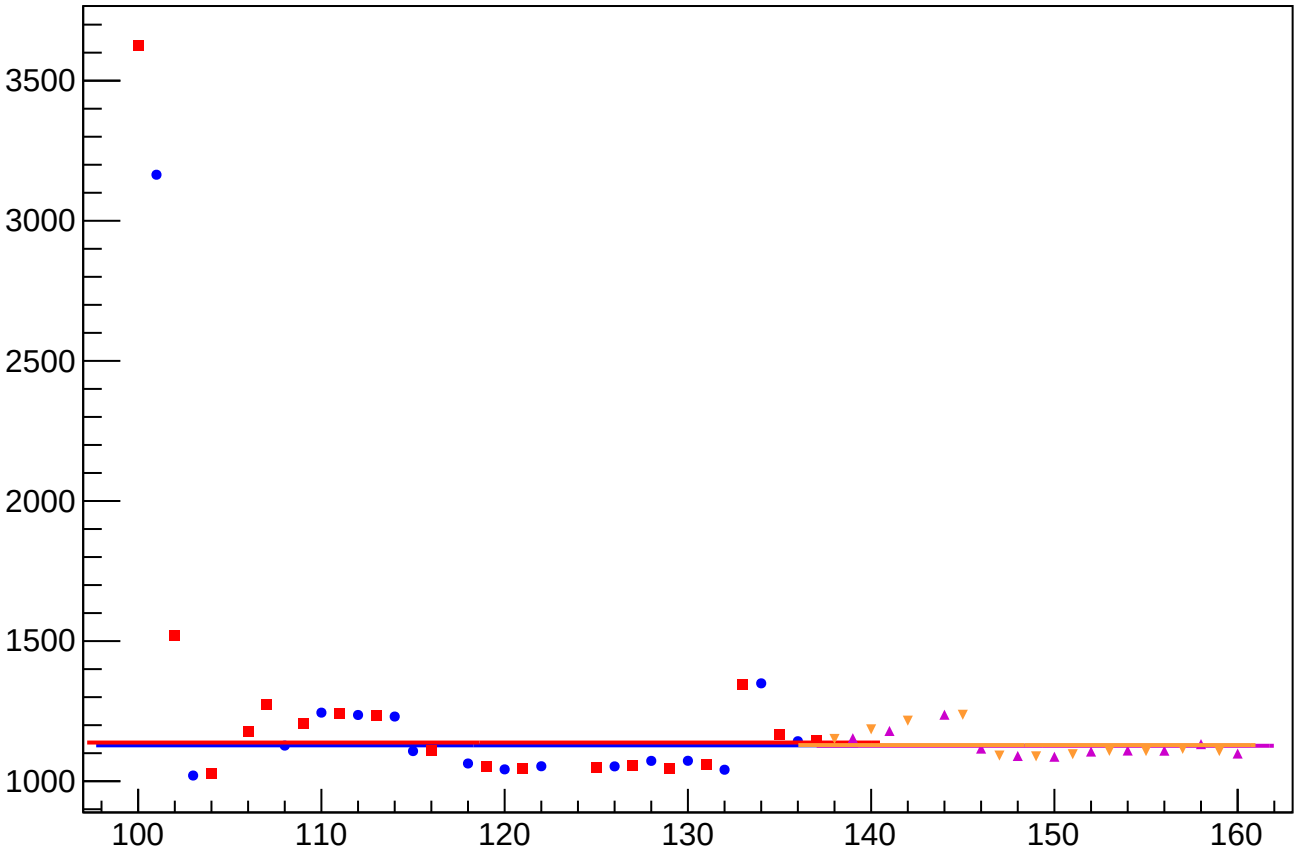
Left: -101.752+/-263.864 χ^2/NDF: 35.0/21

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -584.253+/-277.861 χ^2/NDF:24.5/26

Out: 440.270+/-285.954 χ^2/NDF:39.6/28

All: -86.695+/-199.277 χ^2/NDF: 70.7/55



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: 1126.456+/-0.258 χ^2/NDF:25819.0/10

Left: 1127.622+/-0.187 χ^2/NDF: 54958.1/21

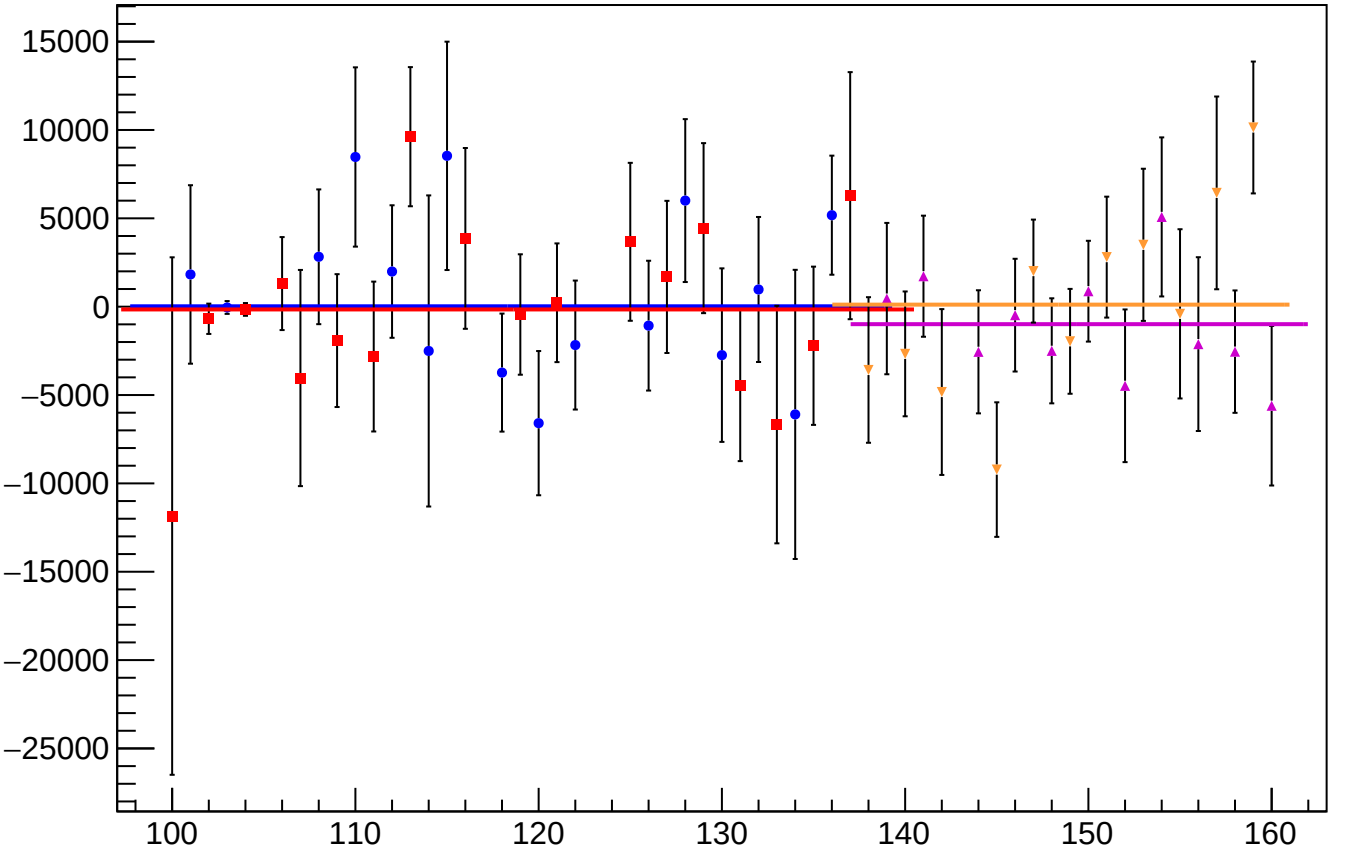
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1127.106+/-0.196 χ^2/NDF:647229.8/26

Out: 1132.915+/-0.202 χ^2/NDF:250219.7/28

All: 1129.928+/-0.141 χ^2/NDF: 897874.1/55

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 115.759+/-1137.223 χ^2/NDF:19.3/10

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -989.501+/-1095.535 χ^2/NDF:5.4/10

Left: -457.500+/-788.986 χ^2/NDF: 25.2/21

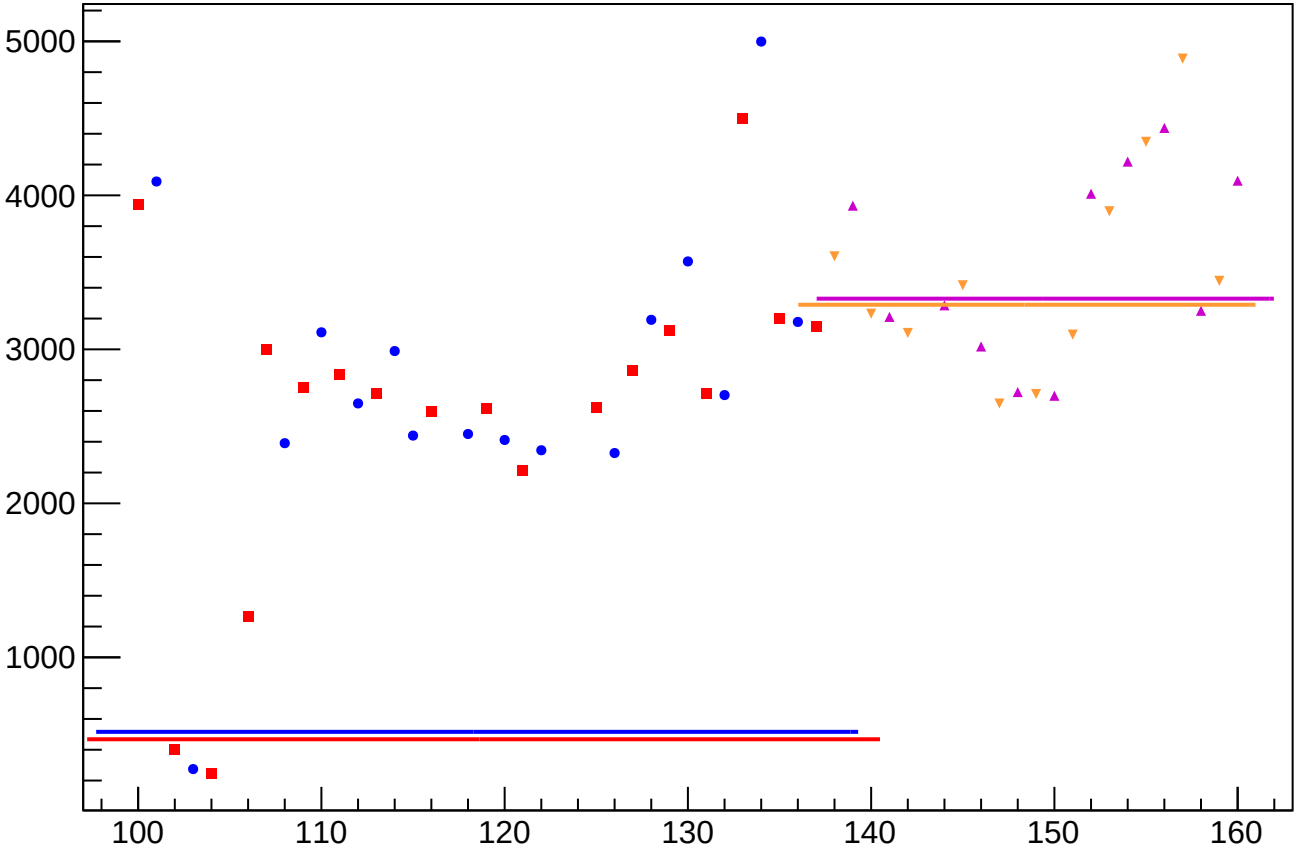
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -69.356+/-328.657 χ^2/NDF:21.1/26

Out: -136.578+/-305.687 χ^2/NDF:33.3/28

All: -105.398+/-223.833 χ^2/NDF: 54.4/55

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: 3329.151+/-0.775 χ^2/NDF:530639.1/10

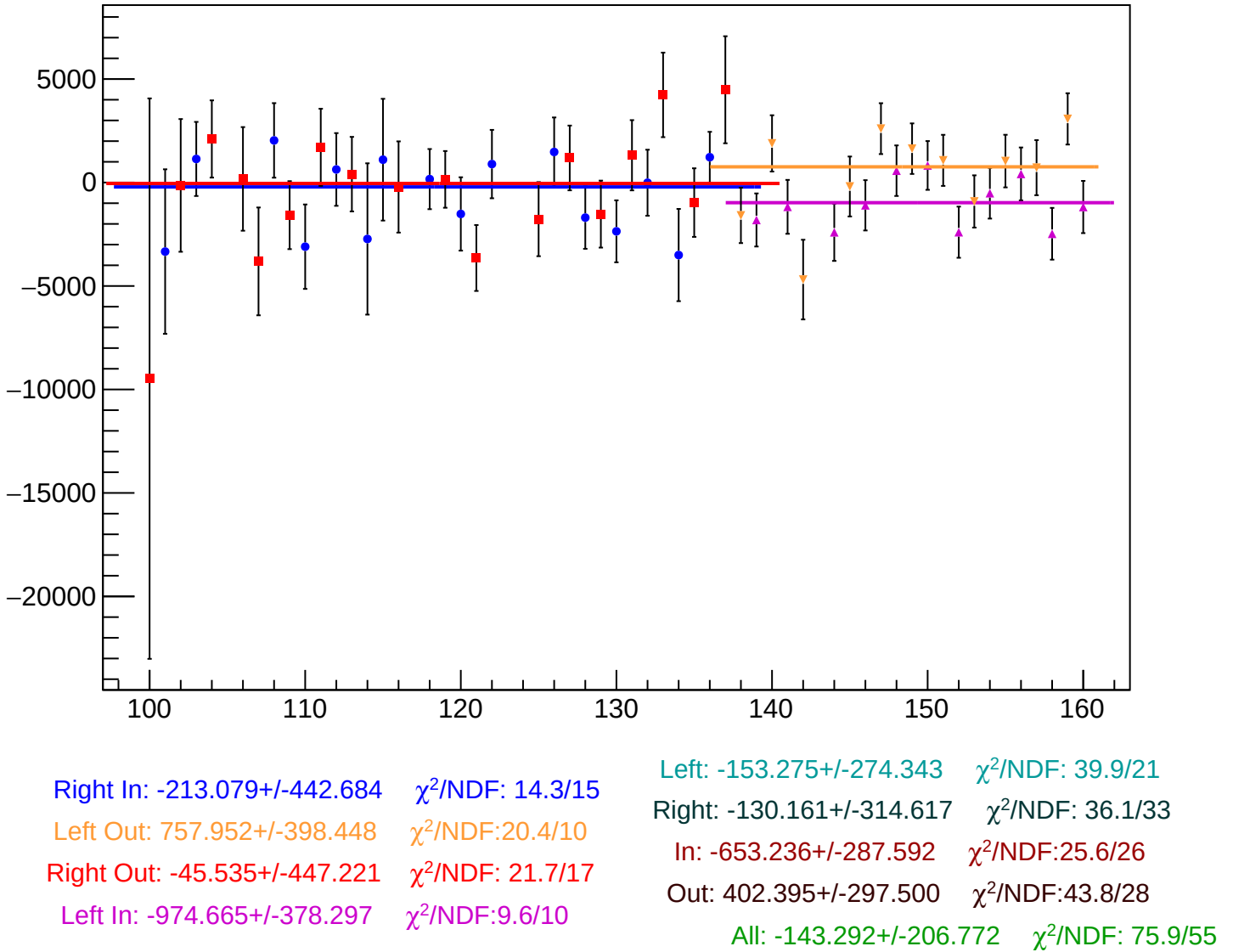
Left: 3310.176+/-0.558 χ^2/NDF: 1041587.3/21

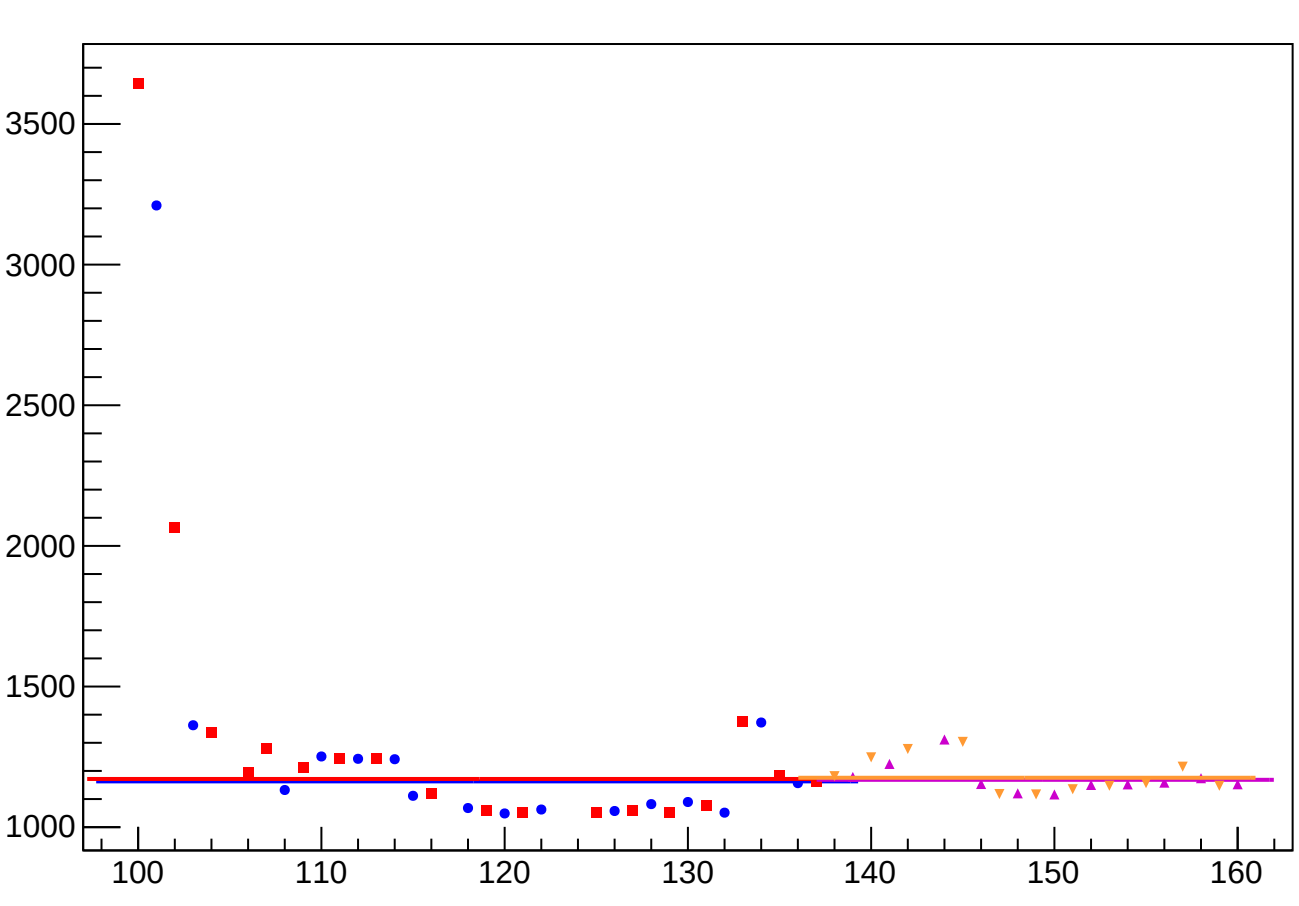
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 769.448+/-0.232 χ^2/NDF:22363452.5/26

Out: 671.937+/-0.216 χ^2/NDF:21043930.2/28

All: 717.166+/-0.158 χ^2/NDF: 43501777.4/55


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: -974.665+/-378.297 χ²/NDF:9.6/10
Left: -153.275+/-274.343 χ²/NDF: 39.9/21
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -653.236+/-287.592 χ²/NDF:25.6/26
Out: 402.395+/-297.500 χ²/NDF:43.8/28
All: -143.292+/-206.772 χ²/NDF: 75.9/55



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: 1168.409+/-0.267 χ^2/NDF:33921.9/10

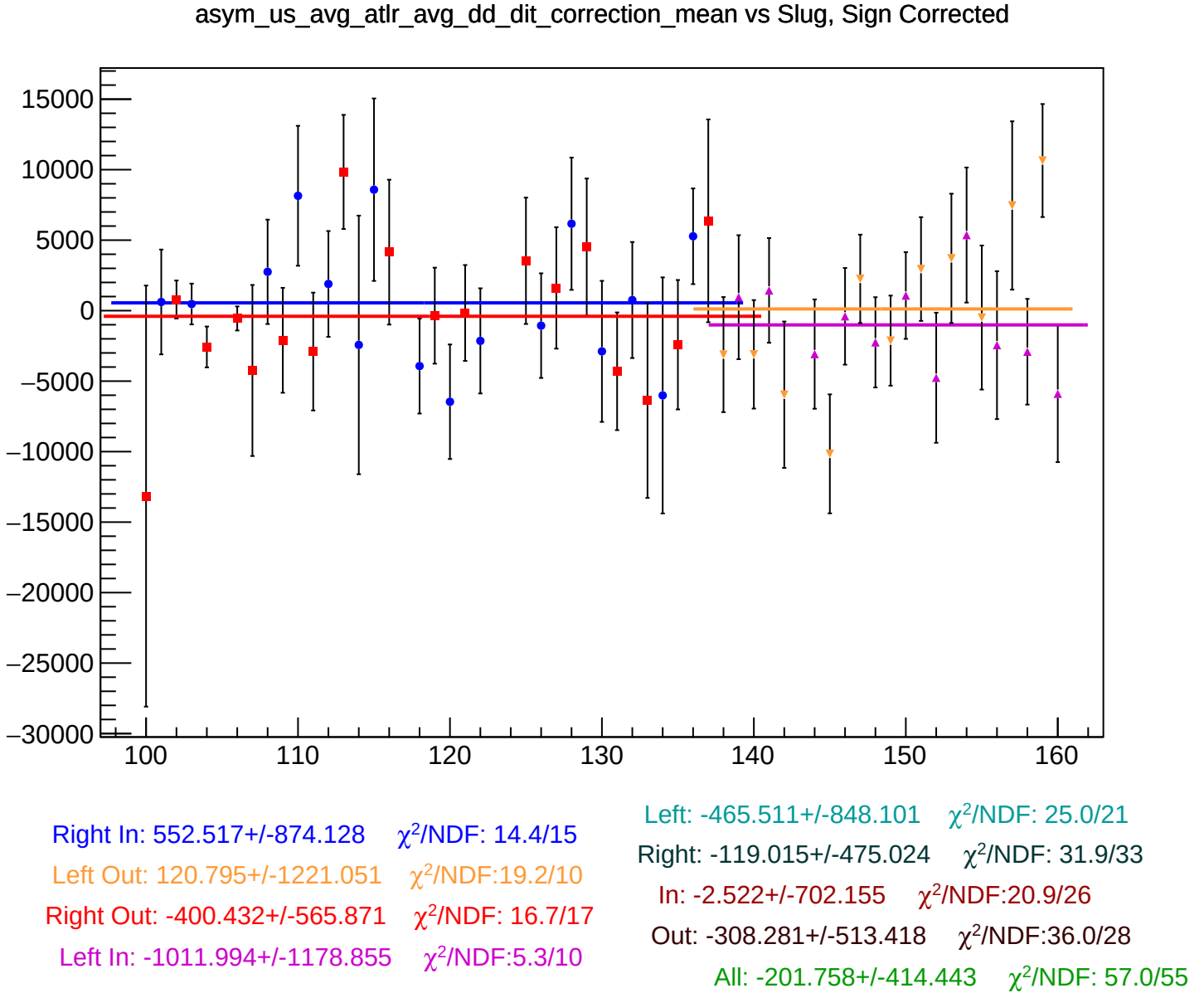
Left: 1171.875+/-0.194 χ^2/NDF: 76771.8/21

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1166.063+/-0.203 χ^2/NDF:669457.5/26

Out: 1173.816+/-0.210 χ^2/NDF:374239.6/28

All: 1169.809+/-0.146 χ^2/NDF: 1044399.5/55


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
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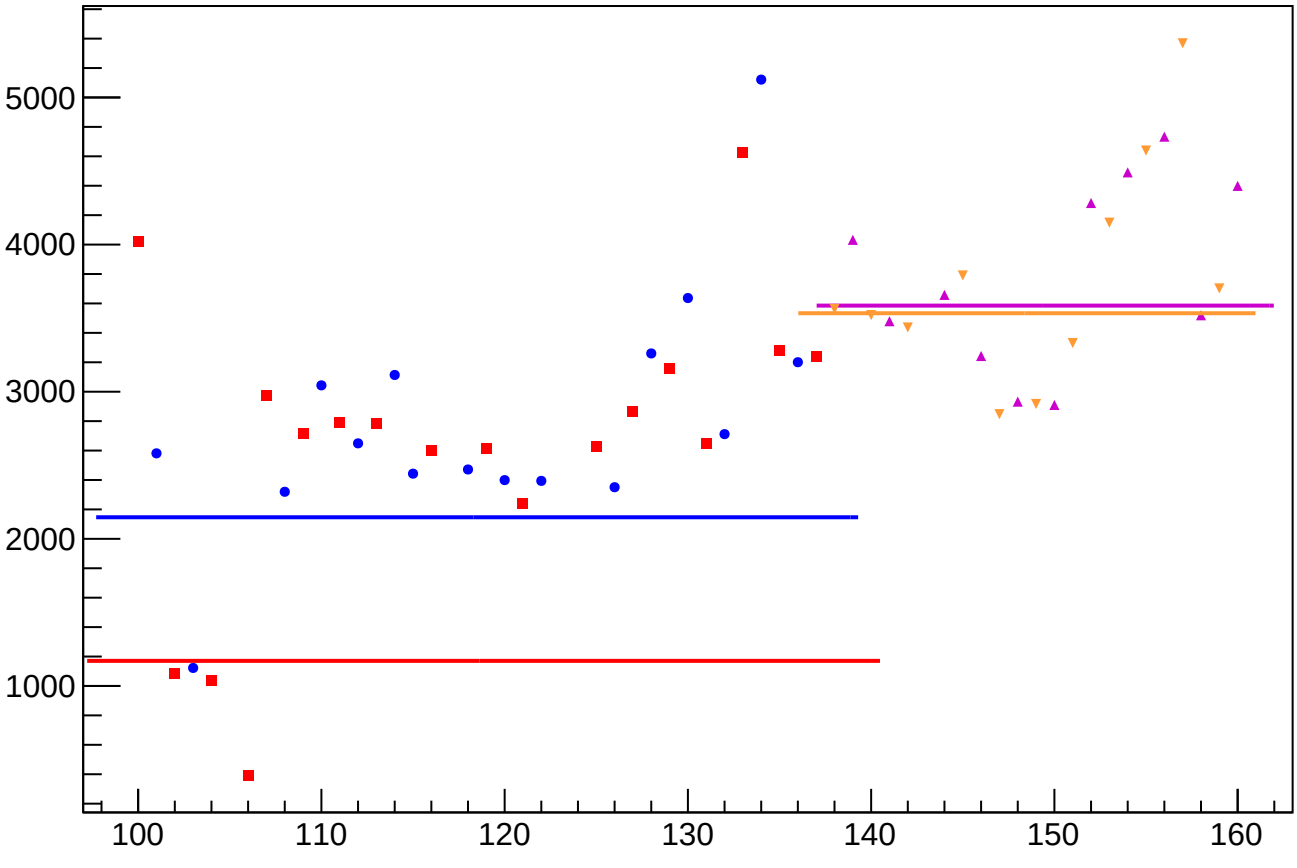
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: 120.795+/-1221.051 χ²/NDF:19.2/10
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -1011.994+/-1178.855 χ²/NDF:5.3/10
Left: -465.511+/-848.101 χ²/NDF: 25.0/21
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: -2.522+/-702.155 χ²/NDF:20.9/26
Out: -308.281+/-513.418 χ²/NDF:36.0/28
All: -201.758+/-414.443 χ²/NDF: 57.0/55



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: 3585.315+/-0.834 χ^2/NDF:492400.1/10

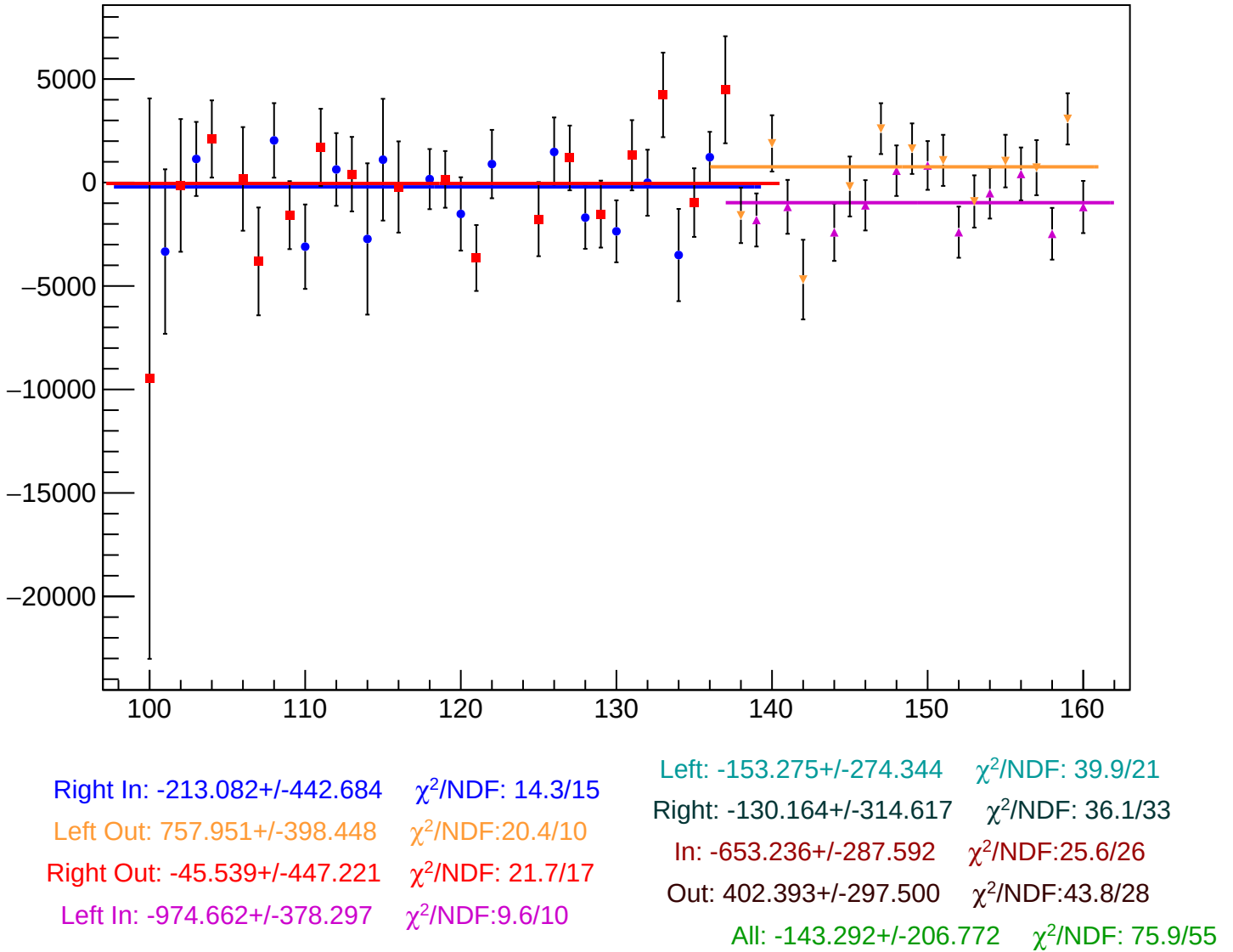
Left: 3560.299+/-0.600 χ^2/NDF: 1001124.2/21

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2657.021+/-0.496 χ^2/NDF:4389175.5/26

Out: 1588.324+/-0.363 χ^2/NDF:12489653.1/28

All: 1960.646+/-0.293 χ^2/NDF: 19897822.7/5


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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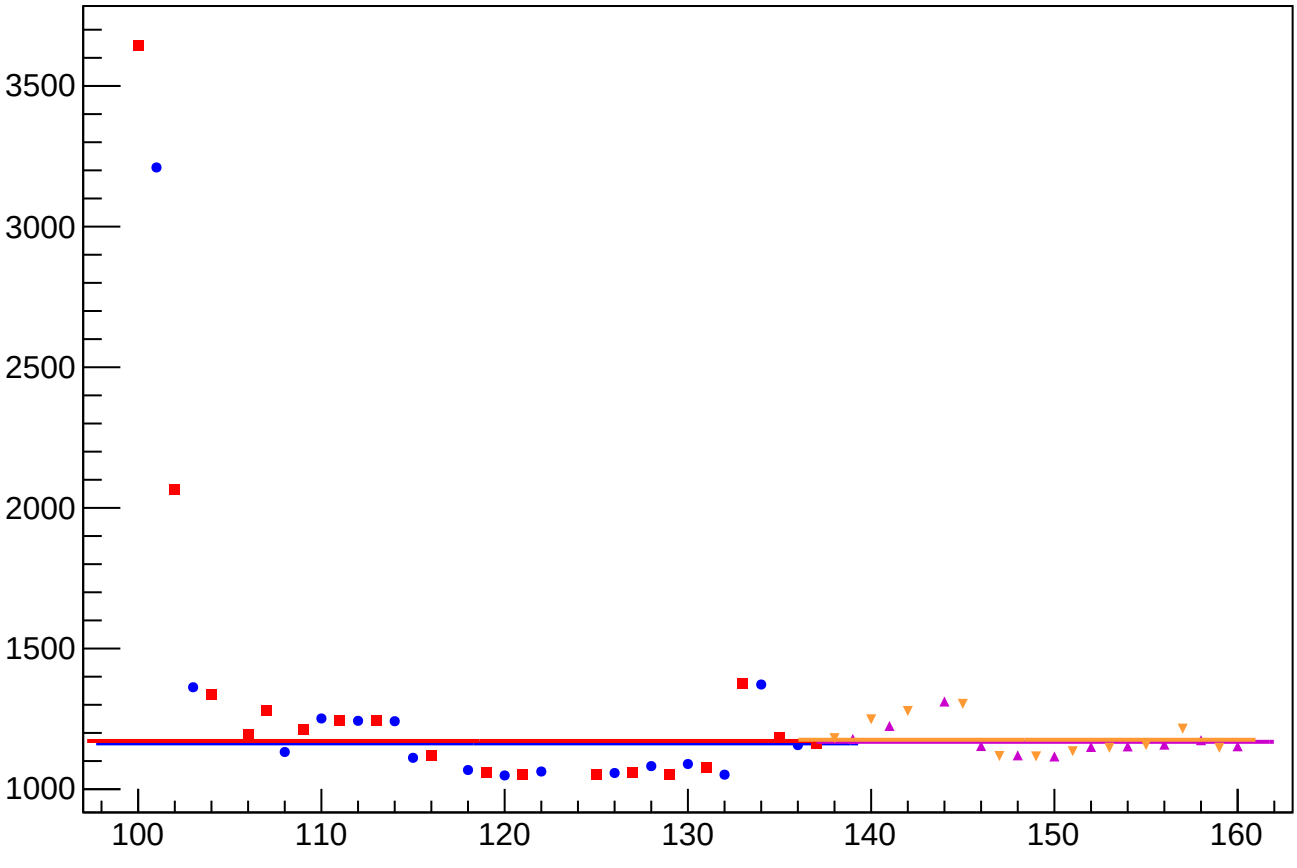
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 757.951+/-398.448 χ²/NDF:20.4/10
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -974.662+/-378.297 χ²/NDF:9.6/10
Left: -153.275+/-274.344 χ²/NDF: 39.9/21
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -653.236+/-287.592 χ²/NDF:25.6/26
Out: 402.393+/-297.500 χ²/NDF:43.8/28
All: -143.292+/-206.772 χ²/NDF: 75.9/55



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: 1168.410+/-0.267 χ^2/NDF:33922.1/10

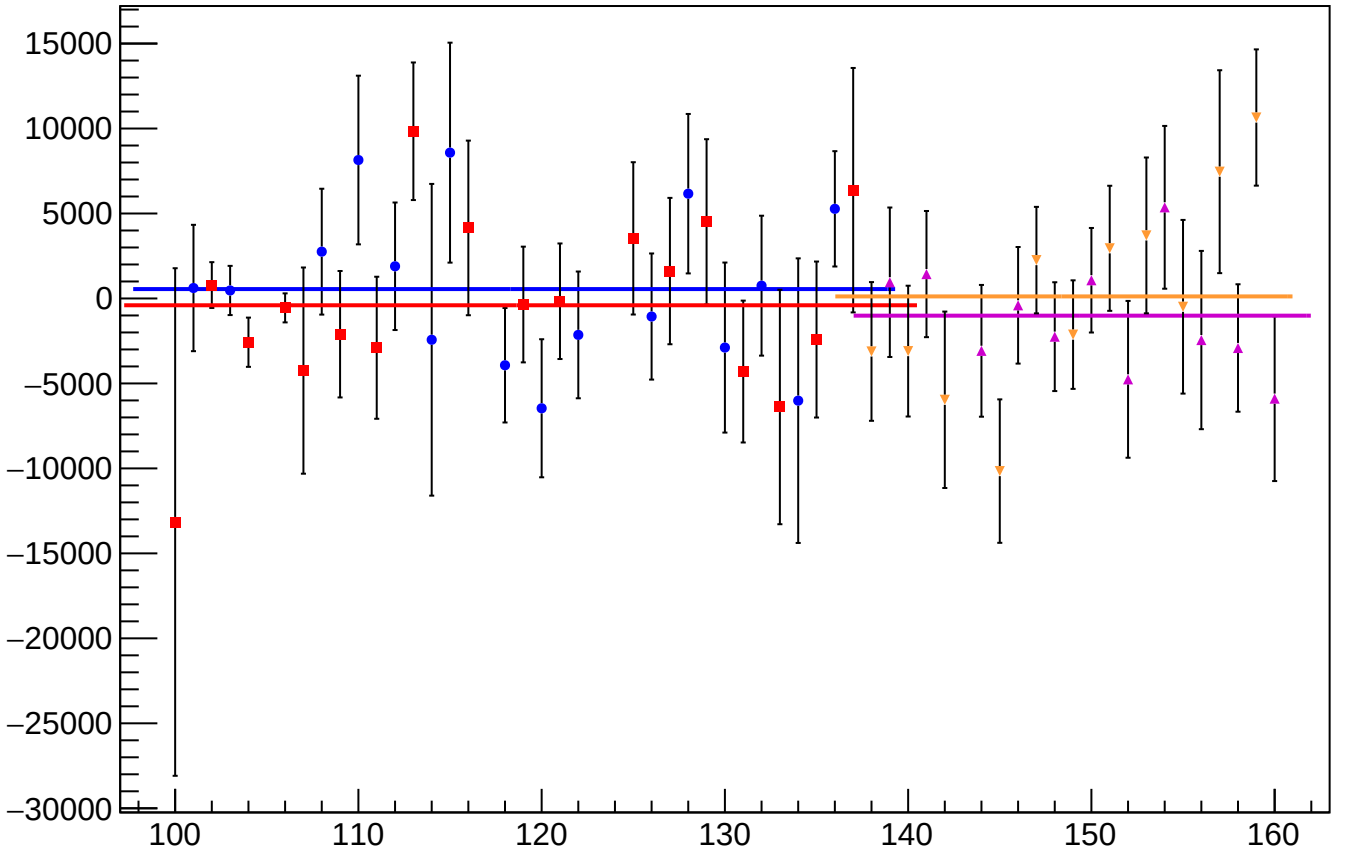
Left: 1171.876+/-0.194 χ^2/NDF: 76772.4/21

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1166.064+/-0.203 χ^2/NDF:669457.9/26

Out: 1173.817+/-0.210 χ^2/NDF:374239.8/28

All: 1169.810+/-0.146 χ^2/NDF: 1044400.0/55



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 120.795+/-1221.052 χ^2/NDF:19.2/10

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -1011.992+/-1178.856 χ^2/NDF:5.3/10

Left: -465.510+/-848.102 χ^2/NDF: 25.0/21

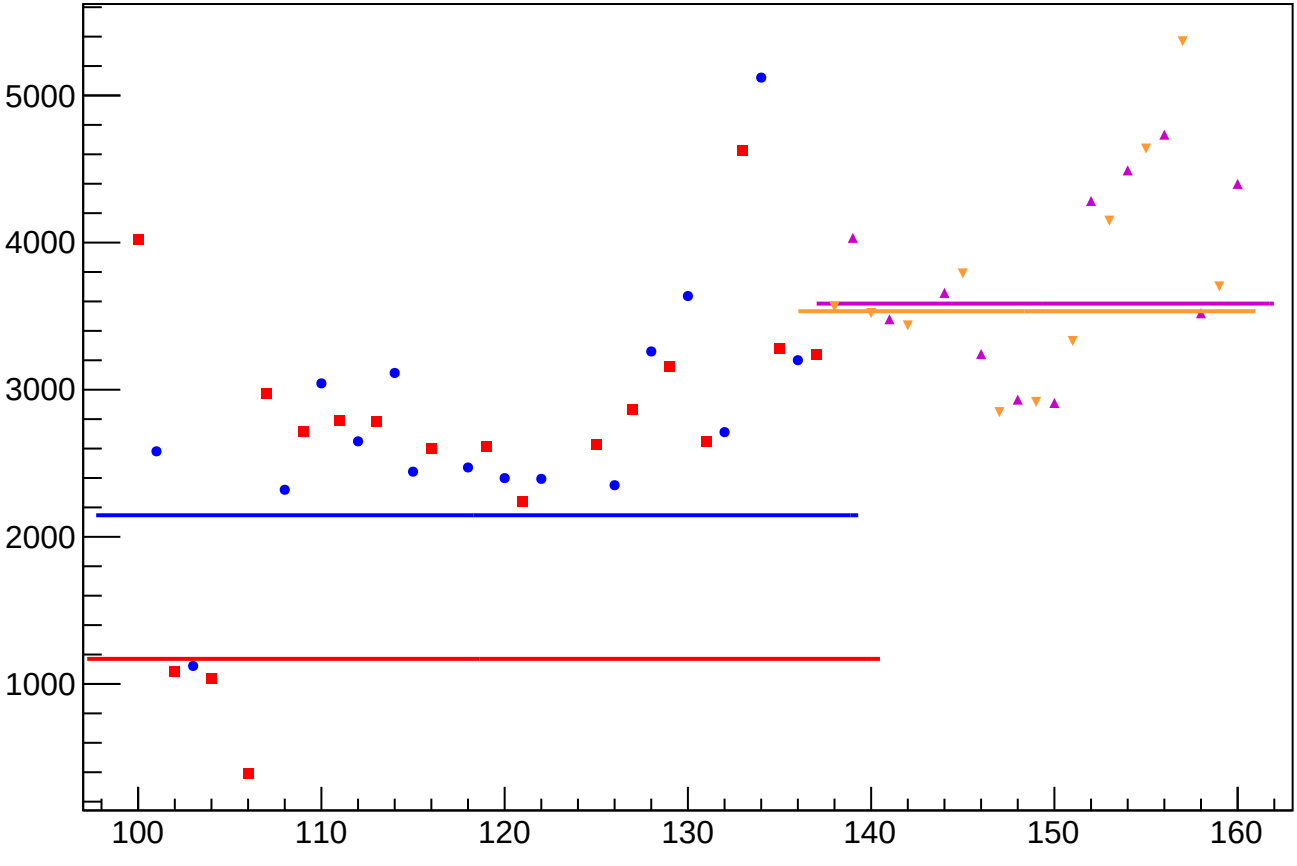
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -2.524+/-702.154 χ^2/NDF:20.9/26

Out: -308.284+/-513.413 χ^2/NDF:36.0/28

All: -201.762+/-414.440 χ^2/NDF: 57.0/55

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: 3585.319+/-0.834 χ^2/NDF:492400.0/10

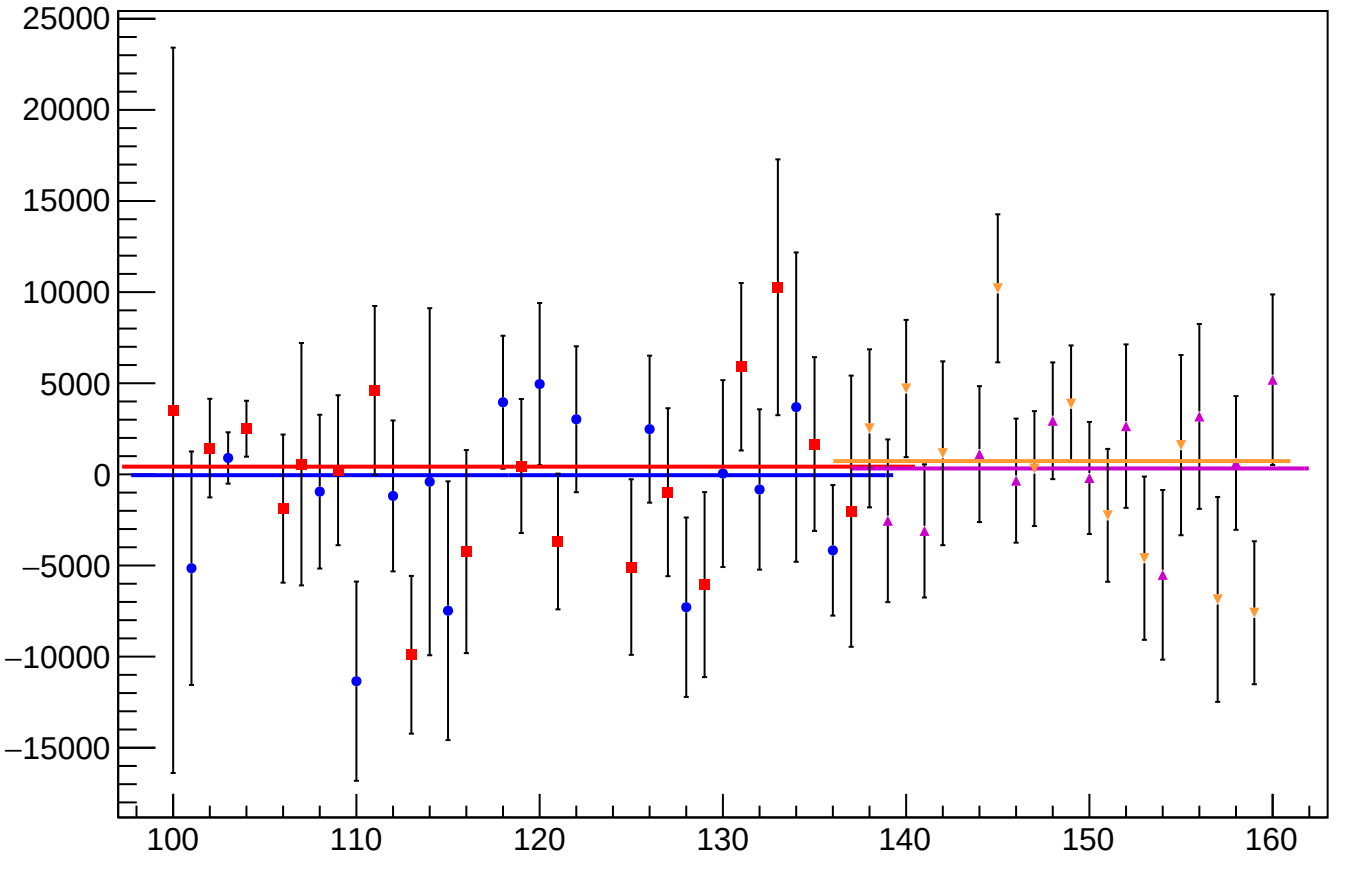
Left: 3560.303+/-0.600 χ^2/NDF: 1001124.4/21

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2657.019+/-0.496 χ^2/NDF:4389188.8/26

Out: 1588.297+/-0.363 χ^2/NDF:12489935.5/28

All: 1960.623+/-0.293 χ^2/NDF: 19898282.6/5



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: 324.197+/-1161.660 χ^2/NDF:5.3/10

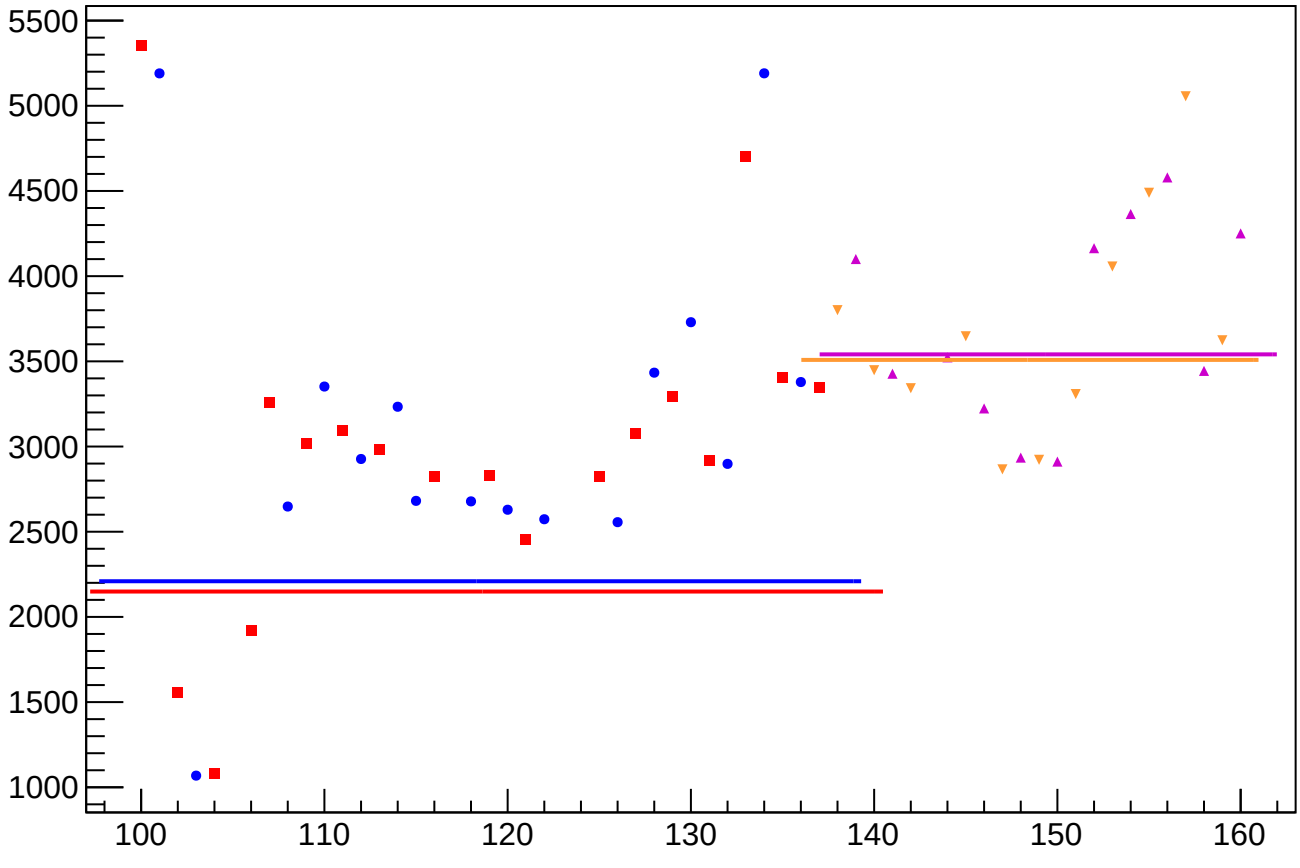
Left: 518.663+/-837.511 χ^2/NDF: 21.5/21

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: 97.525+/-721.570 χ^2/NDF:19.1/26

Out: 532.010+/-720.151 χ^2/NDF:33.6/28

All: 315.195+/-509.725 χ^2/NDF: 52.9/55



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: 3540.942+/-0.821 χ^2/NDF:438555.8/10

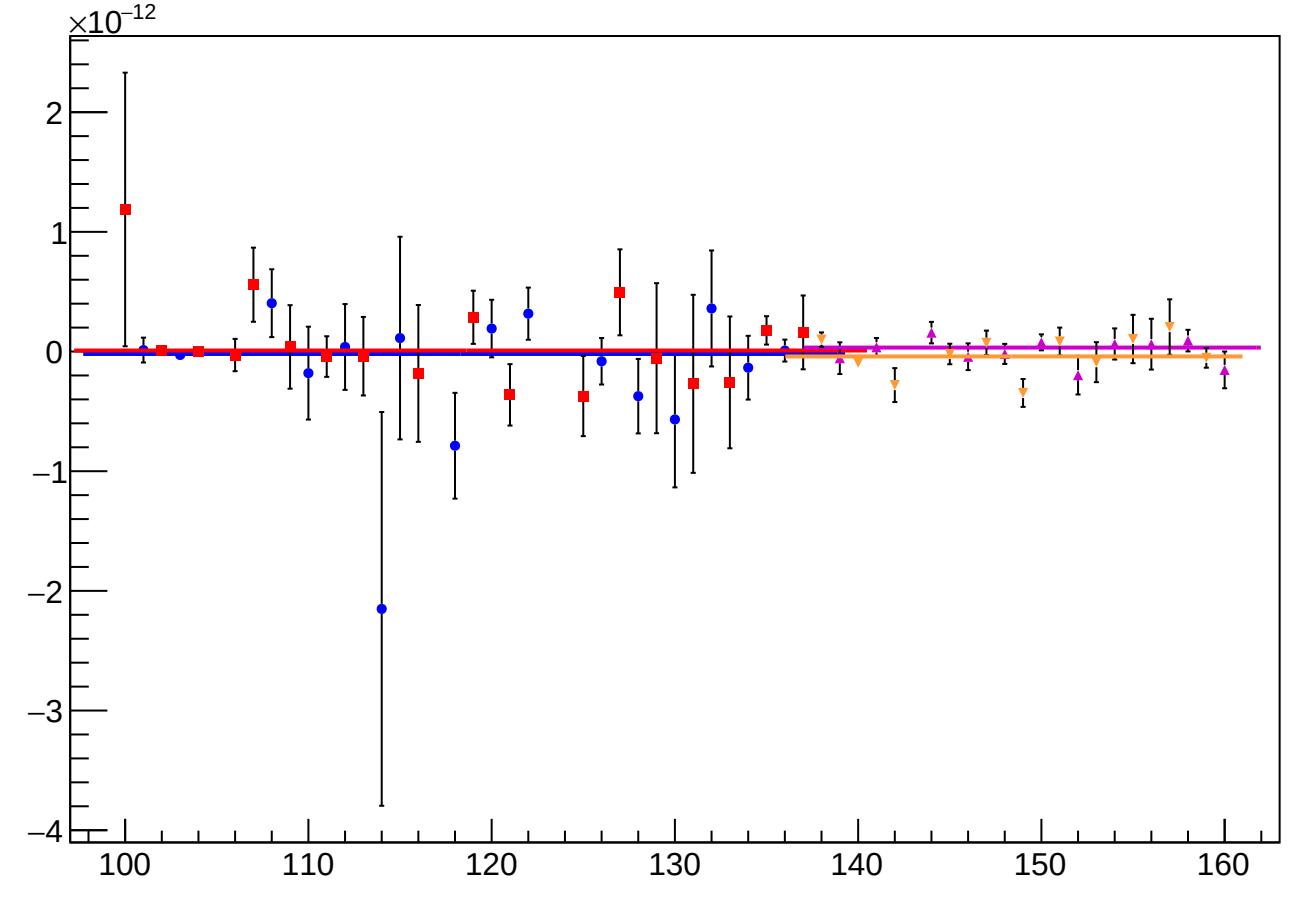
Left: 3525.347+/-0.592 χ^2/NDF: 871594.4/21

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2723.119+/-0.510 χ^2/NDF:4889429.1/26

Out: 2630.170+/-0.508 χ^2/NDF:4336927.2/28

All: 2676.481+/-0.360 χ^2/NDF: 9243008.1/55



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:7.7/10

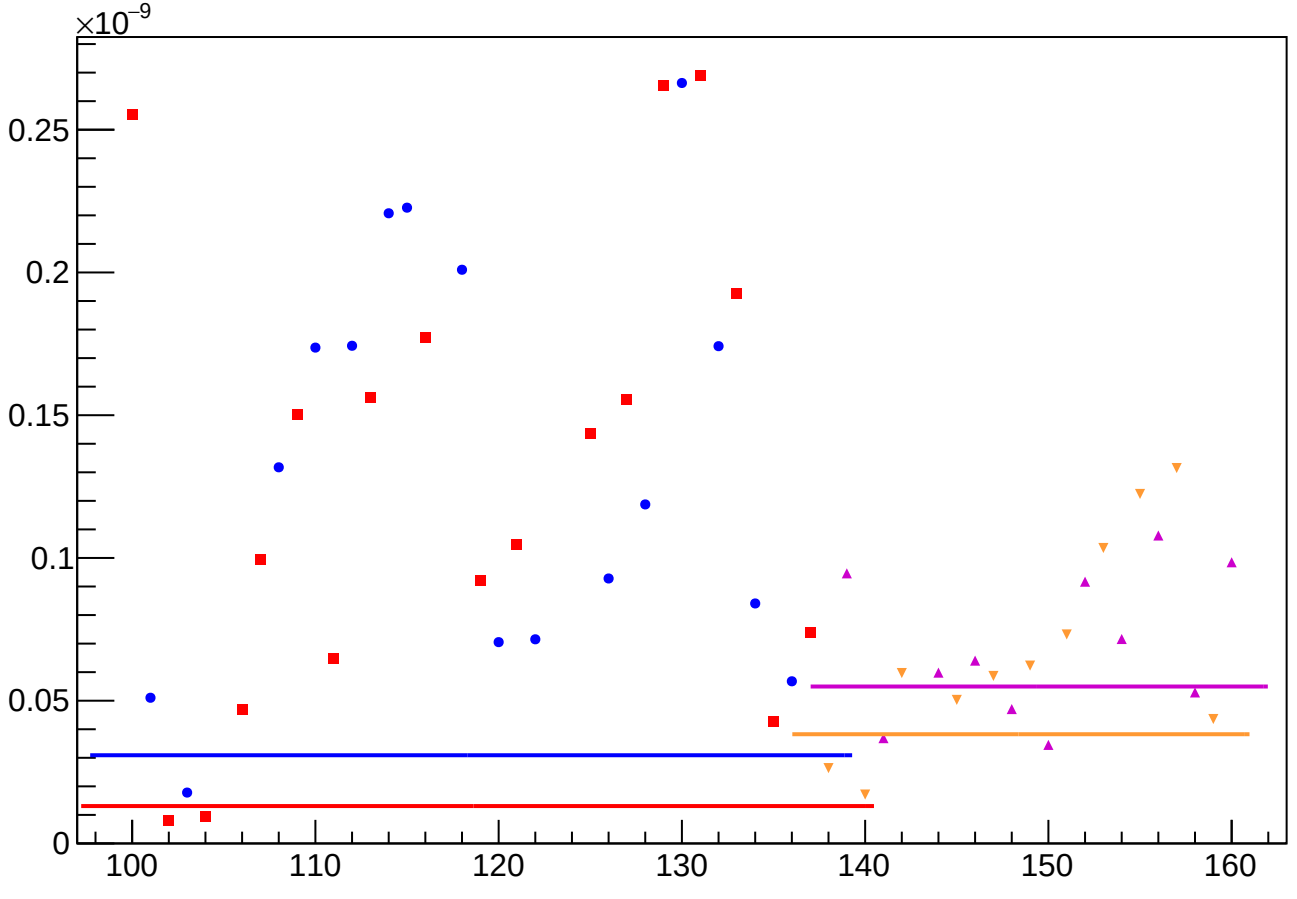
Left: -0.000+/-0.000 χ^2/NDF: 32.1/21

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:23.2/26

Out: -0.000+/-0.000 χ^2/NDF:37.7/28

All: -0.000+/-0.000 χ^2/NDF: 61.0/55



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:934752.0/10

Left: 0.000+/-0.000 χ^2/NDF: 3314914.6/21

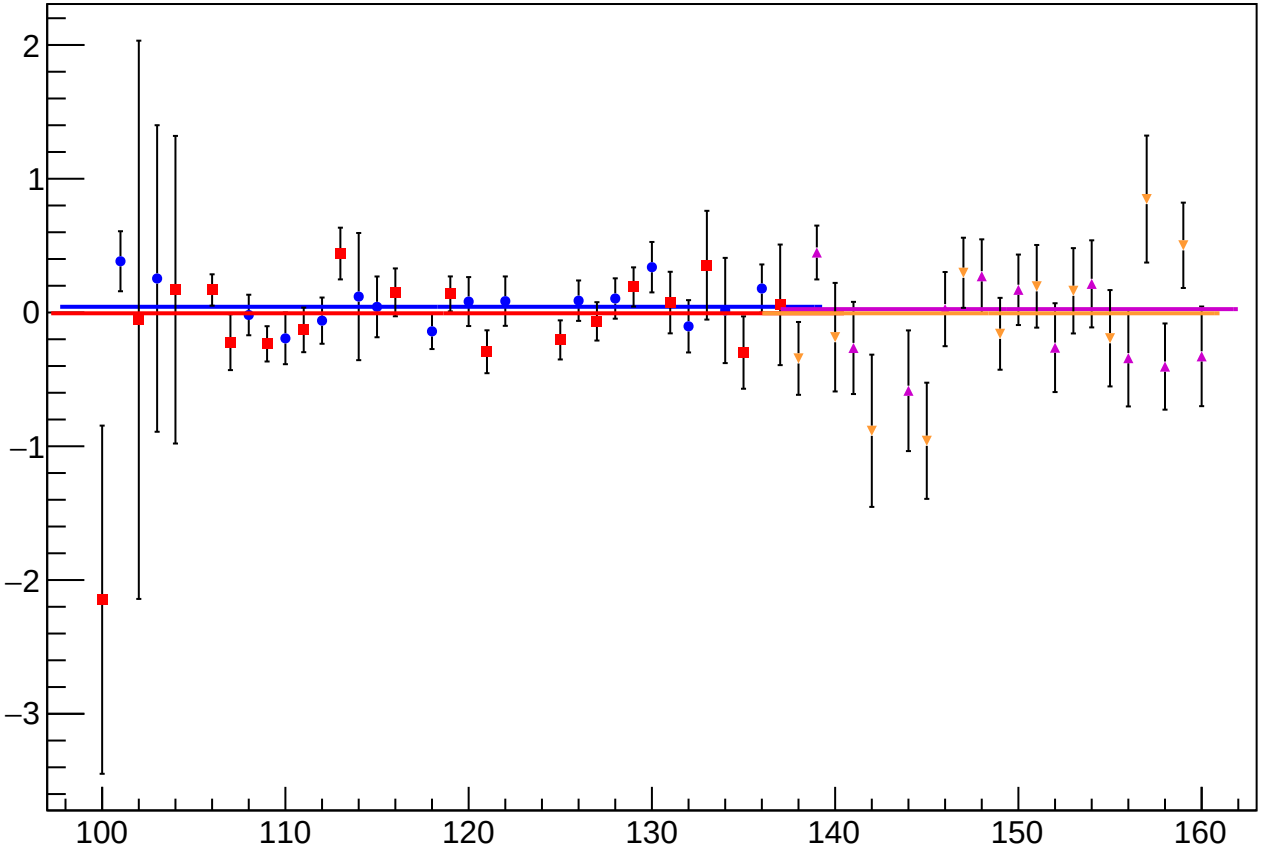
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4668758.1/26

Out: 0.000+/-0.000 χ^2/NDF:7132289.0/28

All: 0.000+/-0.000 χ^2/NDF: 13467308.3/55

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.006+/-0.101 χ^2/NDF:17.3/10

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.091 χ^2/NDF:12.8/10

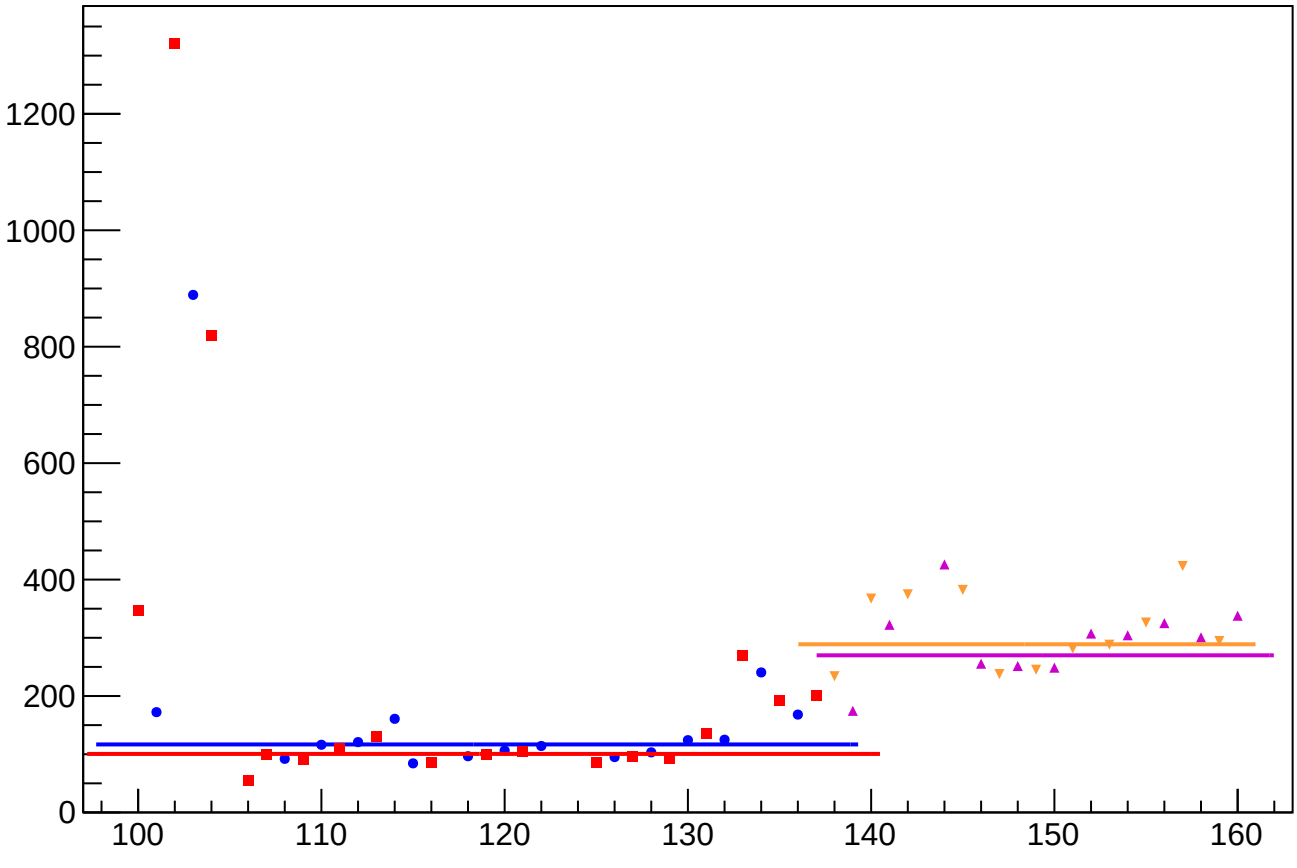
Left: 0.011+/-0.067 χ^2/NDF: 30.2/21

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.015+/-0.029 χ^2/NDF: 67.1/55



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: 269.905+/-0.064 χ^2/NDF:941548.7/10

Left: 278.406+/-0.048 χ^2/NDF: 1587735.3/21

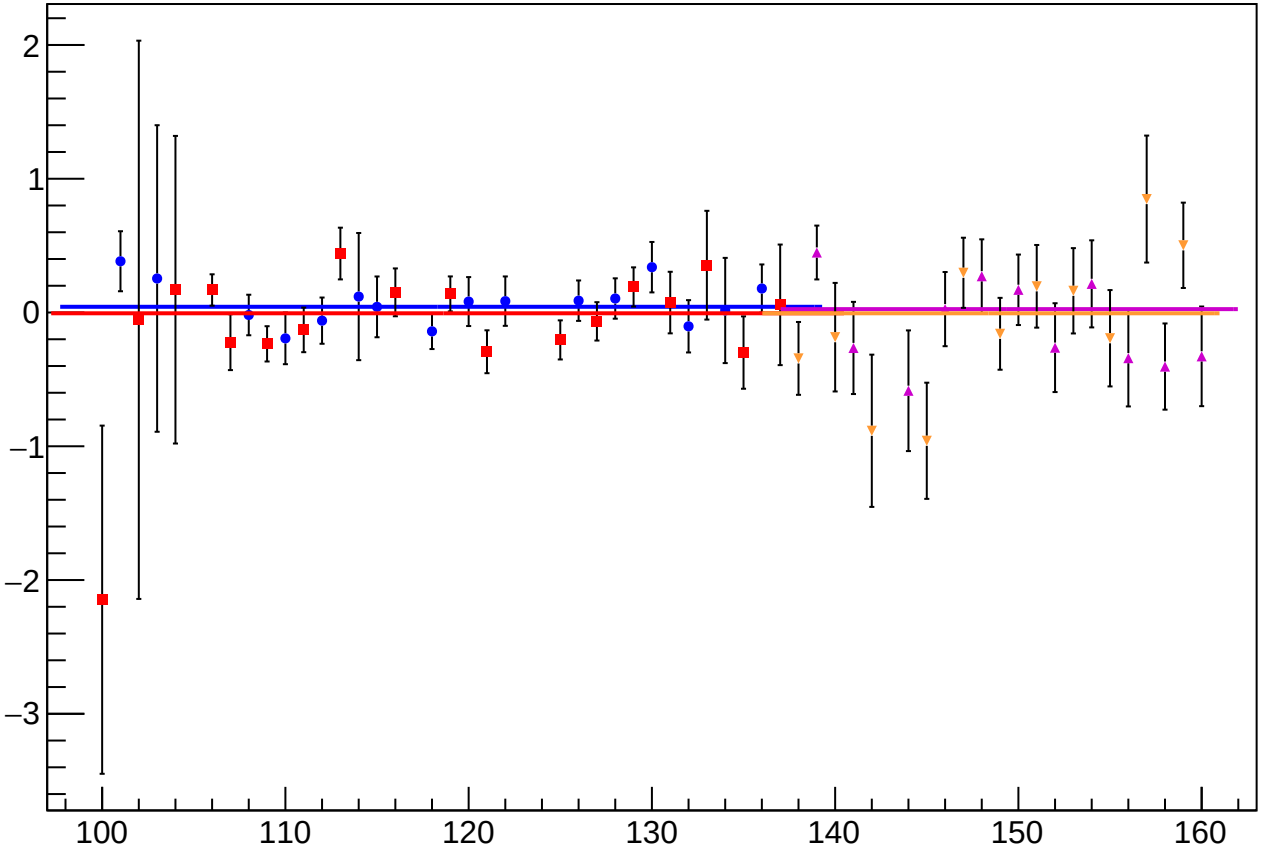
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 149.756+/-0.030 χ^2/NDF:7034704.9/26

Out: 130.030+/-0.028 χ^2/NDF:9173025.3/28

All: 139.360+/-0.020 χ^2/NDF: 16439646.4/55

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: 0.025+/-0.091 χ^2/NDF:12.8/10

Left: 0.011+/-0.067 χ^2/NDF: 30.2/21

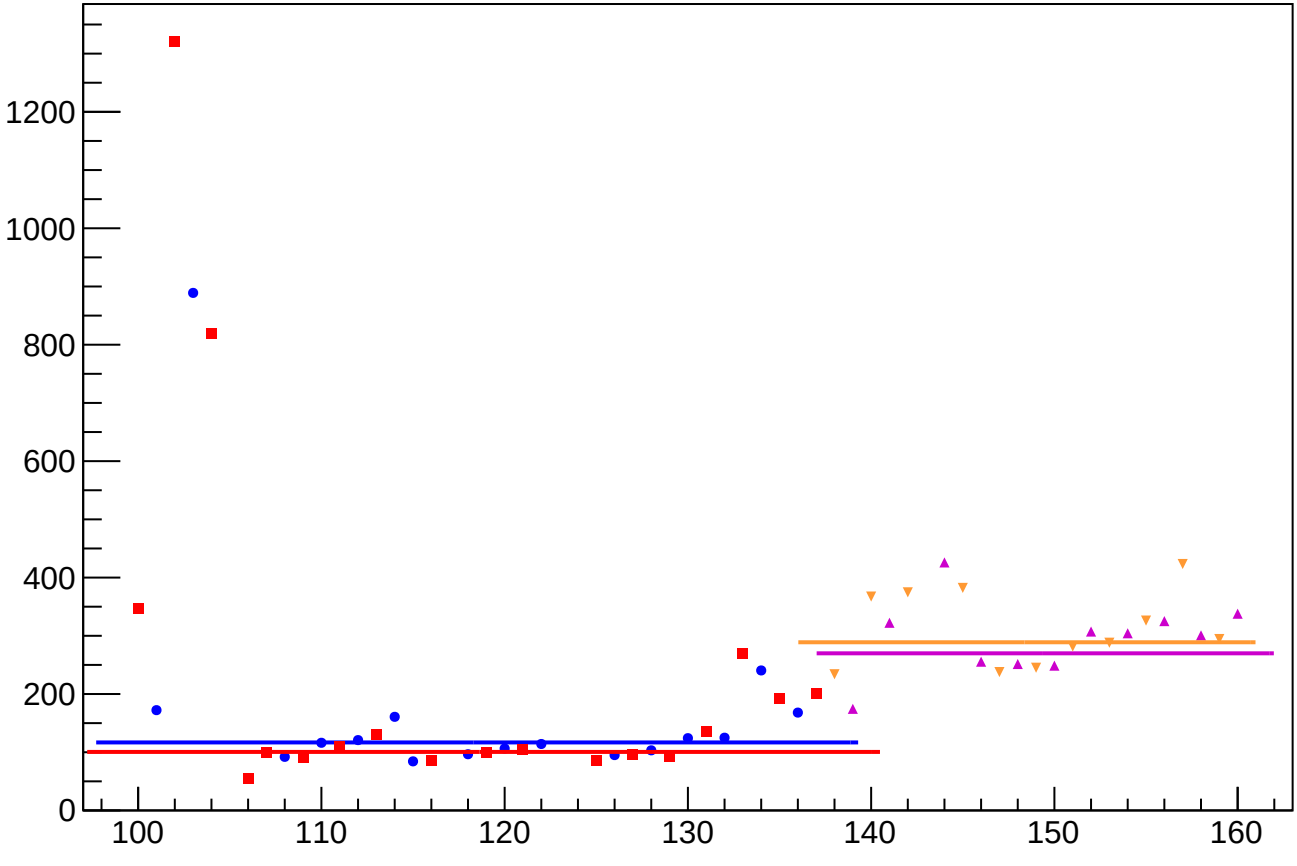
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.015+/-0.029 χ^2/NDF: 67.1/55

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: 269.905+/-0.064 χ^2/NDF:941548.7/10

Left: 278.406+/-0.048 χ^2/NDF: 1587735.3/21

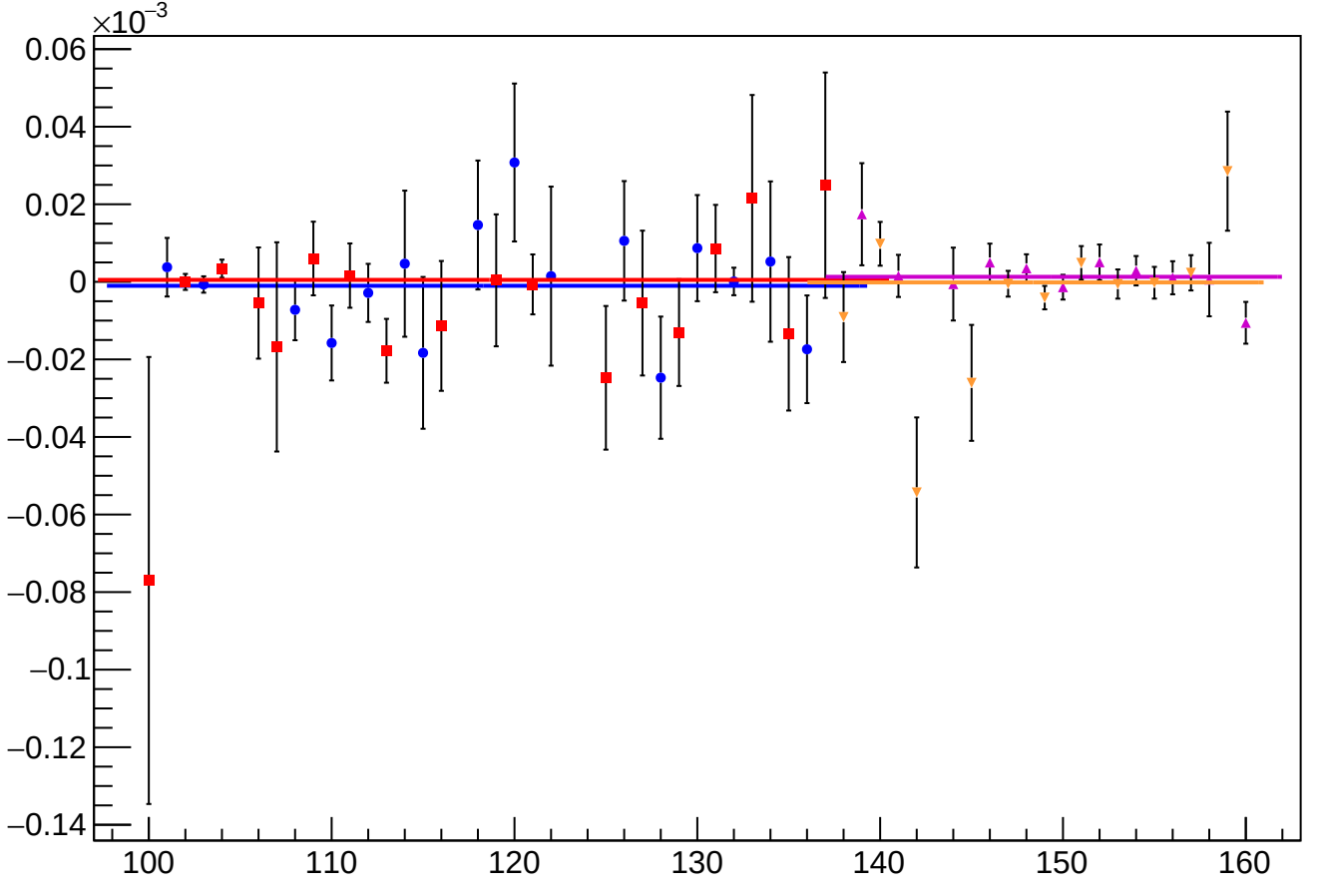
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 149.756+/-0.030 χ^2/NDF:7034704.9/26

Out: 130.030+/-0.028 χ^2/NDF:9173025.3/28

All: 139.360+/-0.020 χ^2/NDF: 16439646.4/55

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:8.9/10

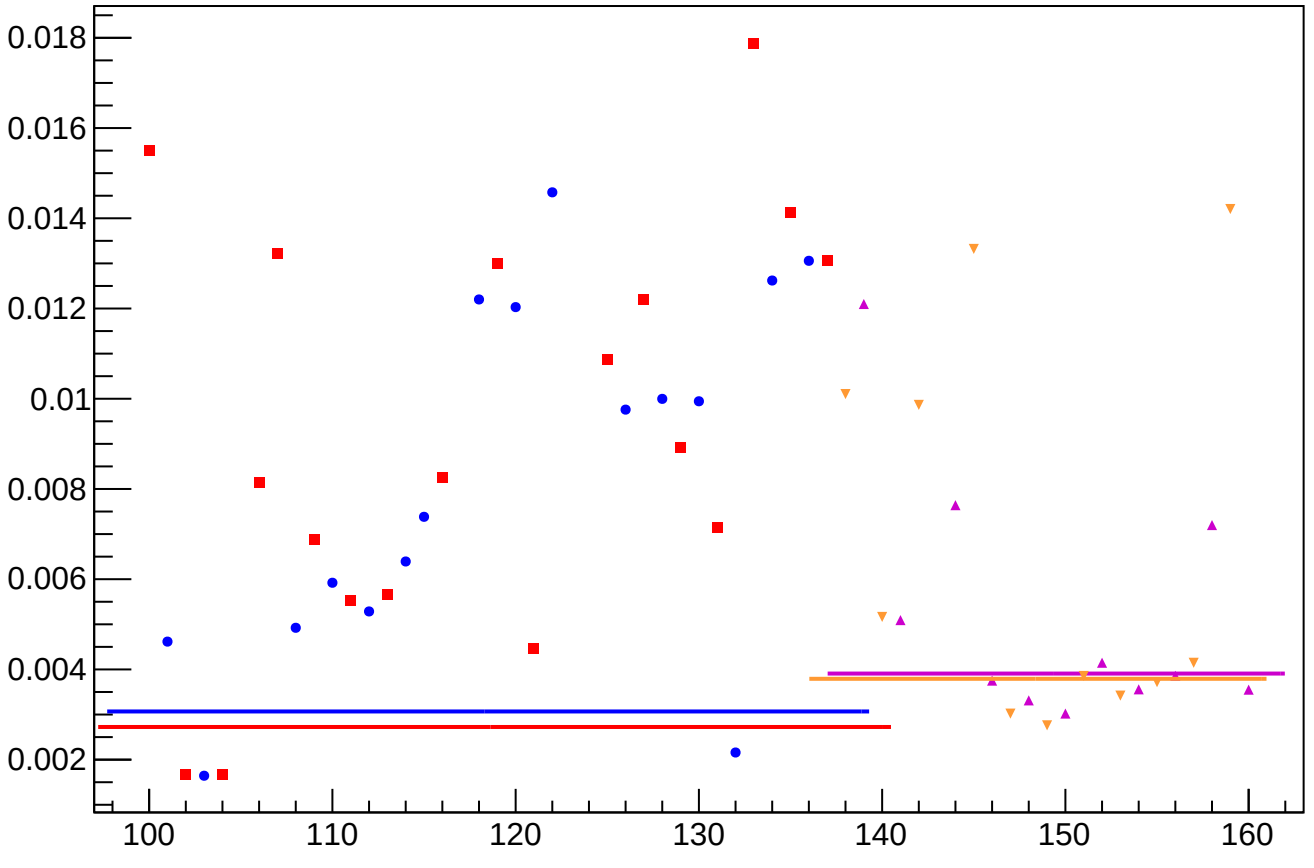
Left: 0.000+/-0.000 χ^2/NDF: 30.8/21

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:22.6/26

Out: 0.000+/-0.000 χ^2/NDF:36.6/28

All: 0.000+/-0.000 χ^2/NDF: 59.2/55



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:1667549.1/10

Left: 0.004+/-0.000 χ^2/NDF: 4687227.5/21

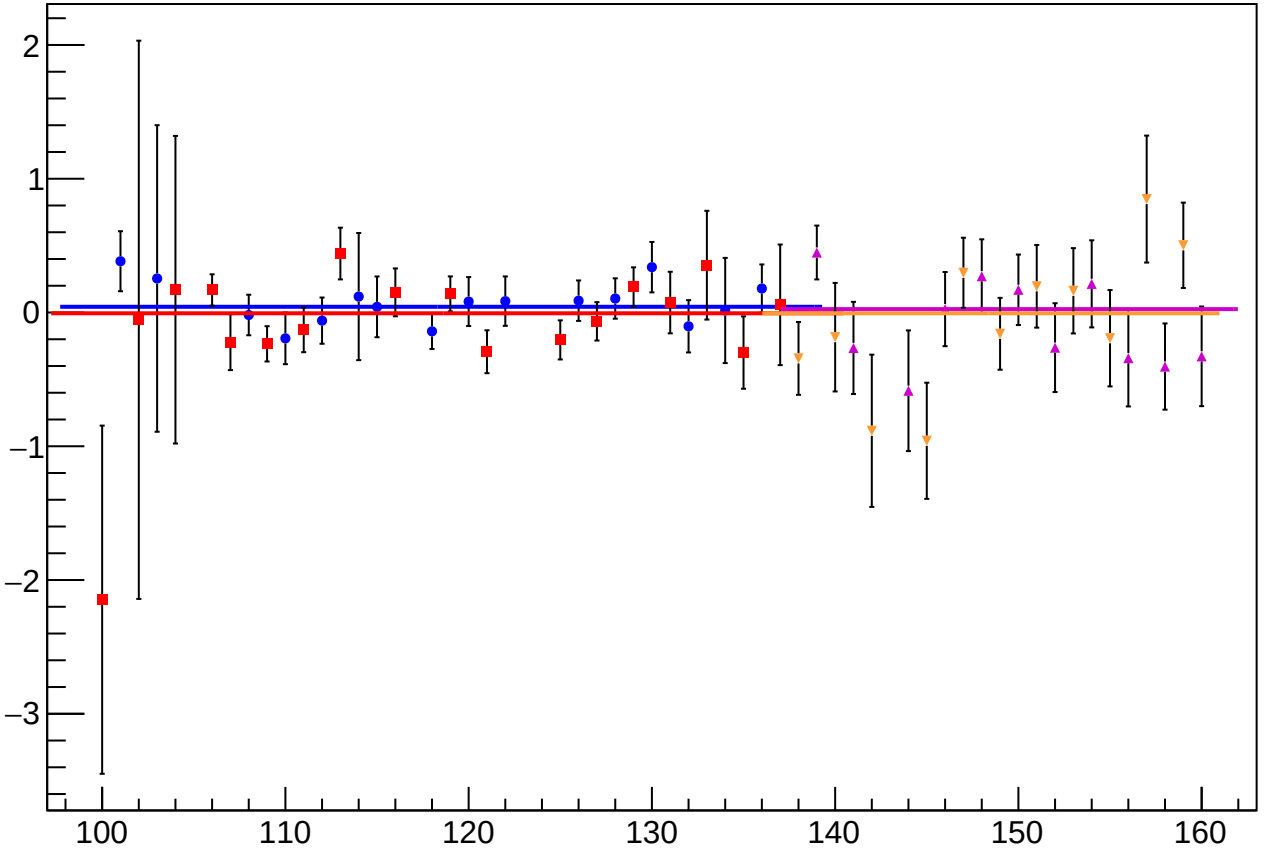
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:7941154.5/26

Out: 0.003+/-0.000 χ^2/NDF:10293391.5/28

All: 0.003+/-0.000 χ^2/NDF: 18311778.6/55

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: 0.025+/-0.091 χ^2/NDF:12.8/10

Left: 0.011+/-0.067 χ^2/NDF: 30.2/21

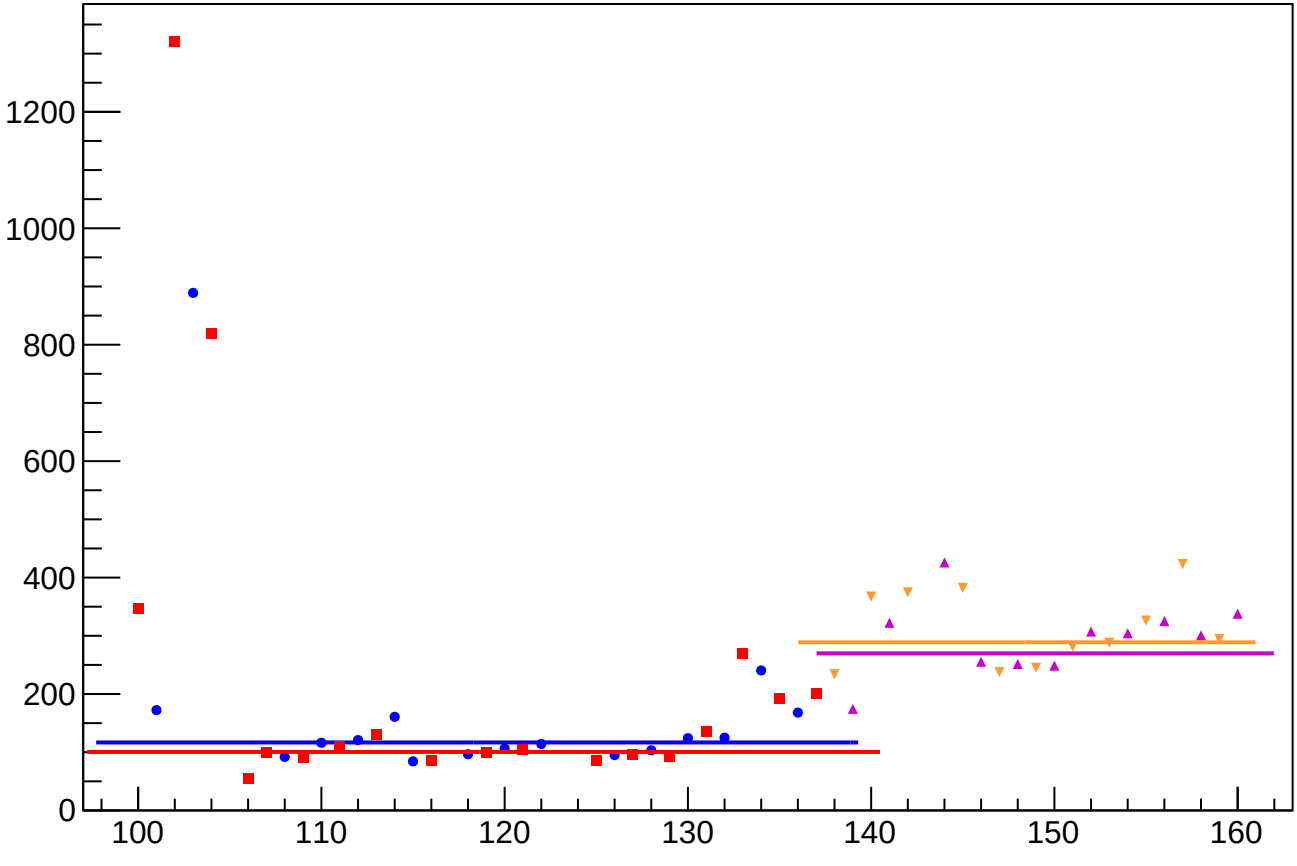
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.015+/-0.029 χ^2/NDF: 67.1/55

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: 269.908+/-0.064 χ^2/NDF:941504.8/10

Left: 278.409+/-0.048 χ^2/NDF: 1587688.1/21

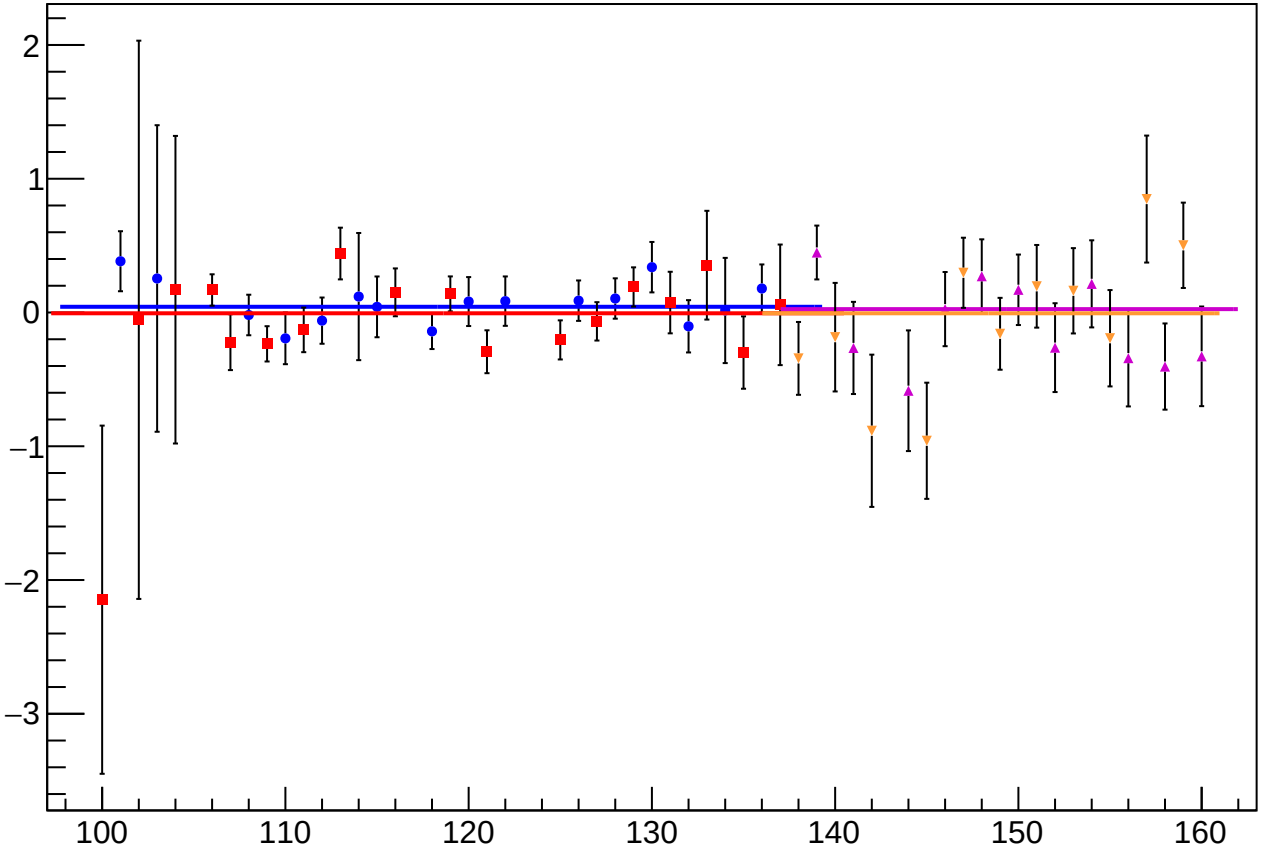
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 149.756+/-0.030 χ^2/NDF:7034791.8/26

Out: 130.028+/-0.028 χ^2/NDF:9173253.7/28

All: 139.360+/-0.020 χ^2/NDF: 16439989.4/55

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: 0.025+/-0.091 χ^2/NDF:12.8/10

Left: 0.011+/-0.067 χ^2/NDF: 30.2/21

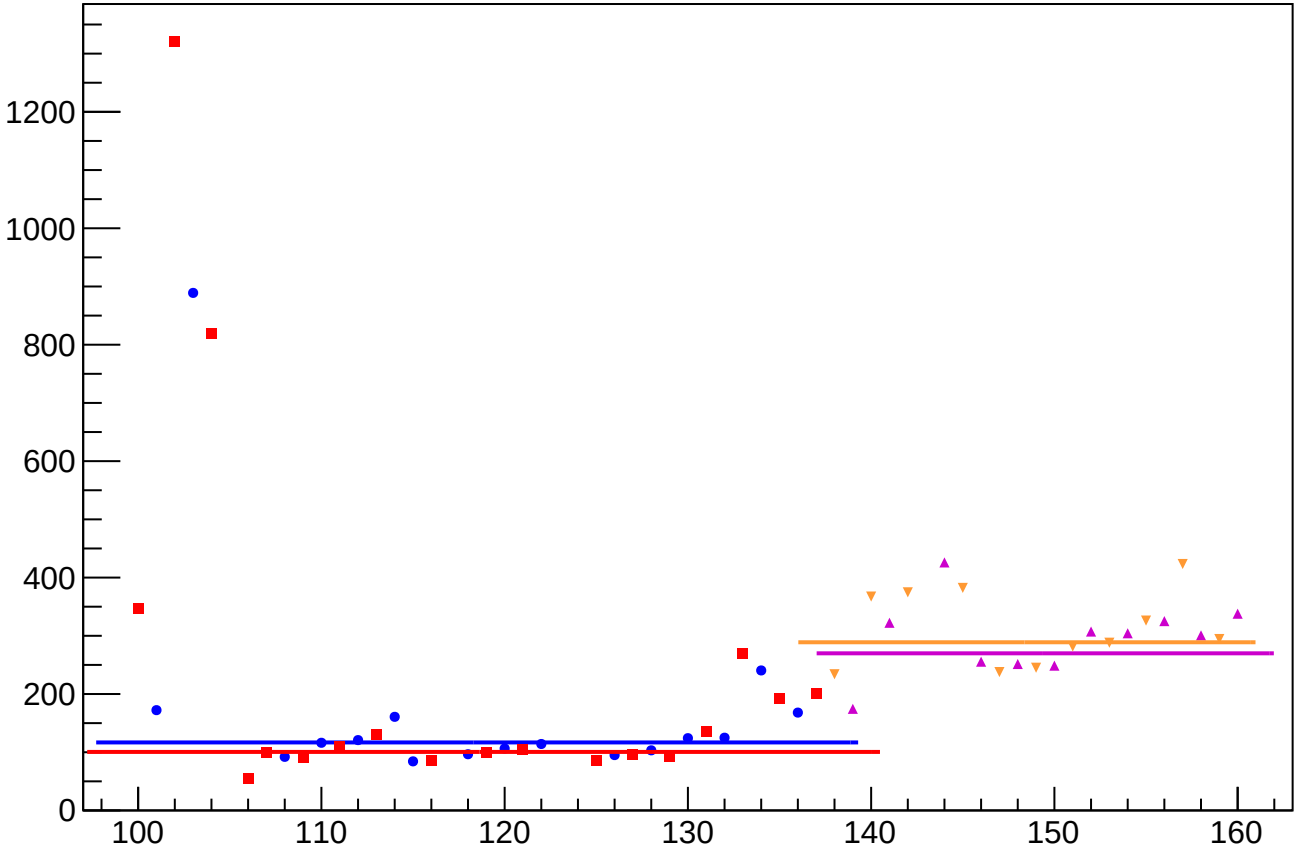
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: -0.006+/-0.040 χ^2/NDF:43.4/28

All: 0.015+/-0.029 χ^2/NDF: 67.1/55

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: 269.908+/-0.064 χ^2/NDF:941504.8/10

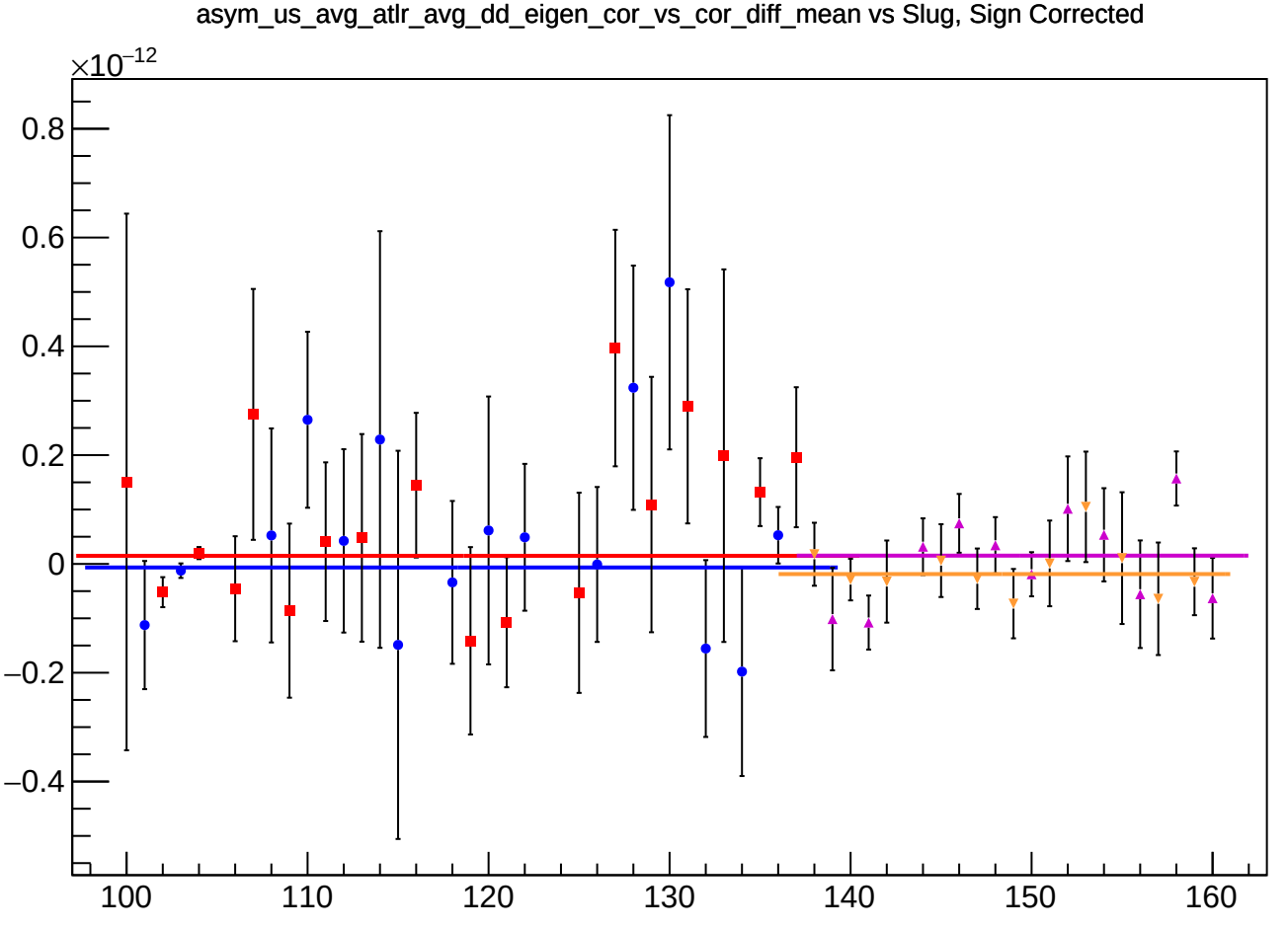
Left: 278.409+/-0.048 χ^2/NDF: 1587688.1/21

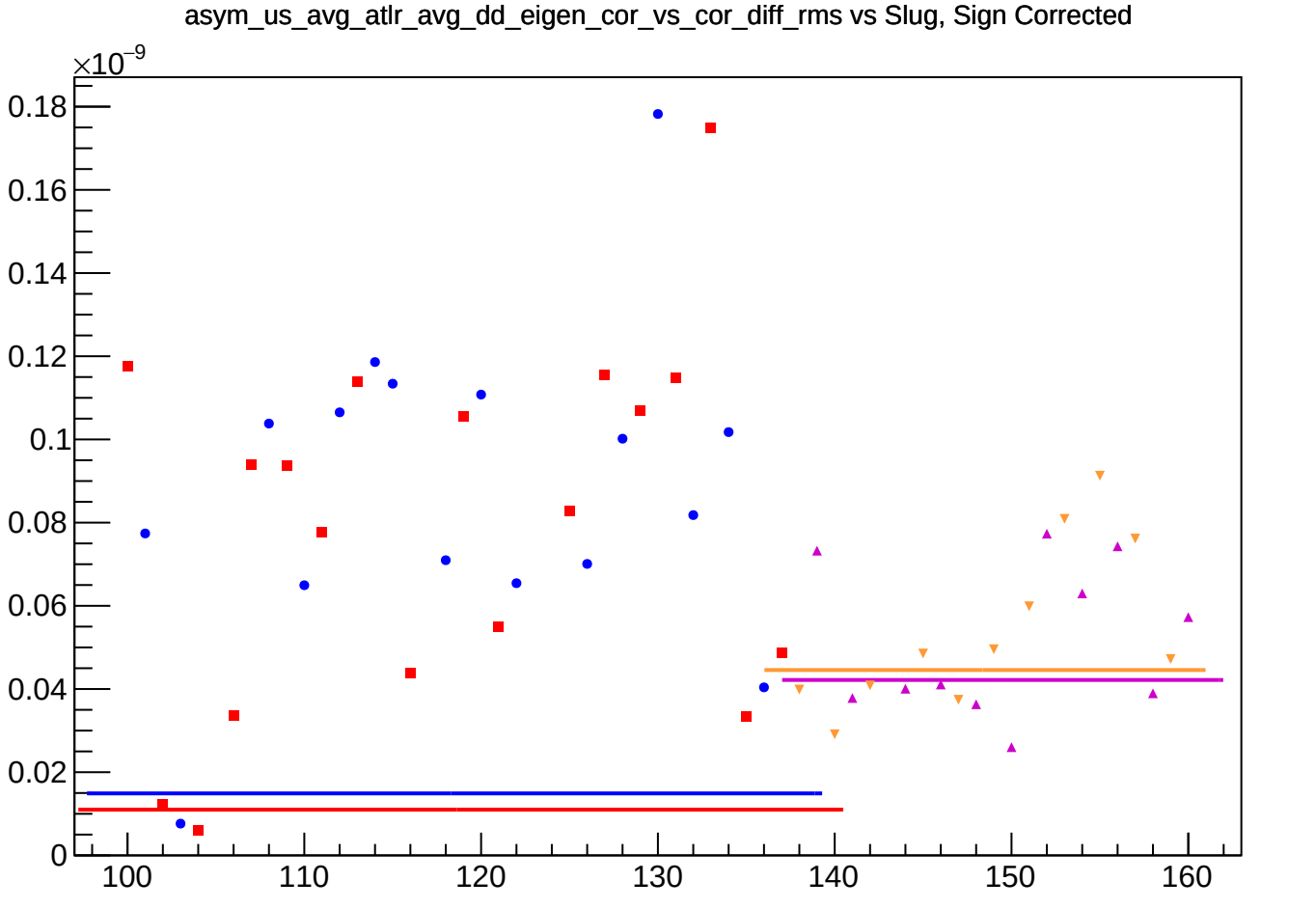
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 149.756+/-0.030 χ^2/NDF:7034791.8/26

Out: 130.028+/-0.028 χ^2/NDF:9173253.7/28

All: 139.360+/-0.020 χ^2/NDF: 16439989.4/55


asym_us_avg_atlr_avg_dd_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:20.6/10
Left: -0.000+/-0.000 χ²/NDF: 25.5/21
Right: 0.000+/-0.000 χ²/NDF: 36.7/33
In: 0.000+/-0.000 χ²/NDF:34.6/26
Out: 0.000+/-0.000 χ²/NDF:27.5/28
All: 0.000+/-0.000 χ²/NDF: 62.4/55



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:1267377.8/10

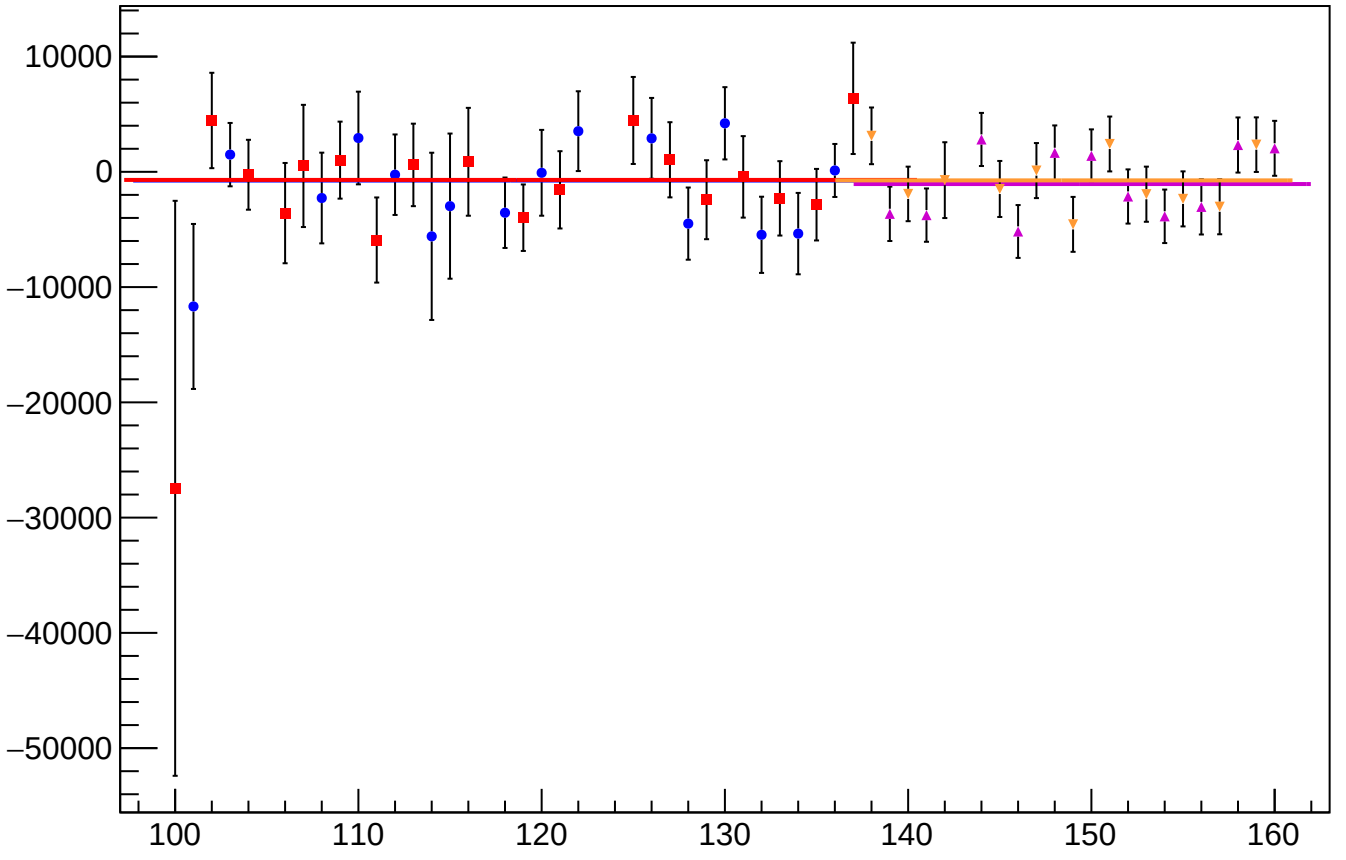
Left: 0.000+/-0.000 χ^2/NDF: 2501042.1/21

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:10299545.8/26

Out: 0.000+/-0.000 χ^2/NDF:11807029.4/28

All: 0.000+/-0.000 χ^2/NDF: 22499860.1/55



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: -1059.575+/-706.339 χ^2/NDF:17.1/10

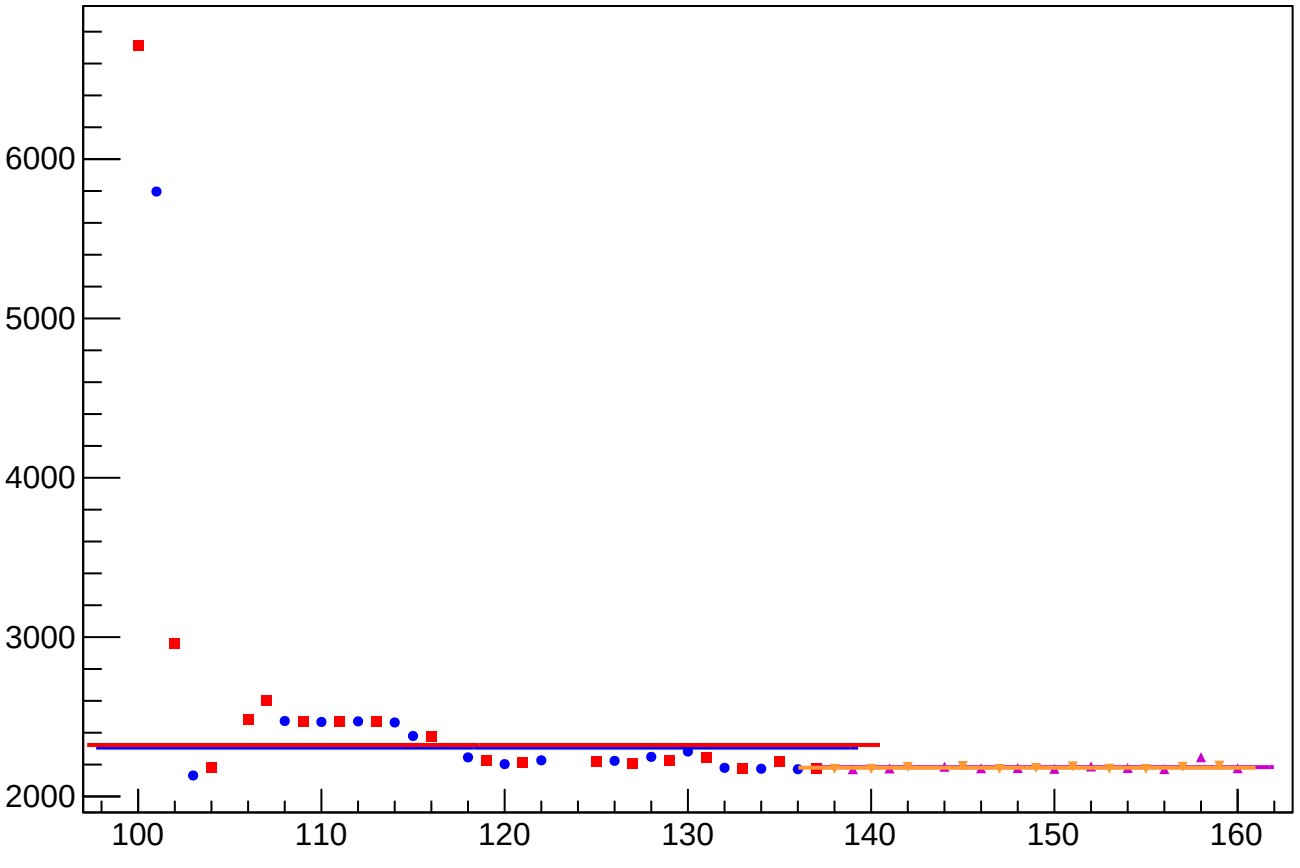
Left: -907.565+/-510.199 χ^2/NDF: 27.8/21

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -938.735+/-549.027 χ^2/NDF:33.0/26

Out: -725.168+/-562.311 χ^2/NDF:23.0/28

All: -834.504+/-392.833 χ^2/NDF: 56.1/55



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: 2183.856+/-0.499 χ^2/NDF:1604.7/10

Left: 2182.126+/-0.361 χ^2/NDF: 1866.5/21

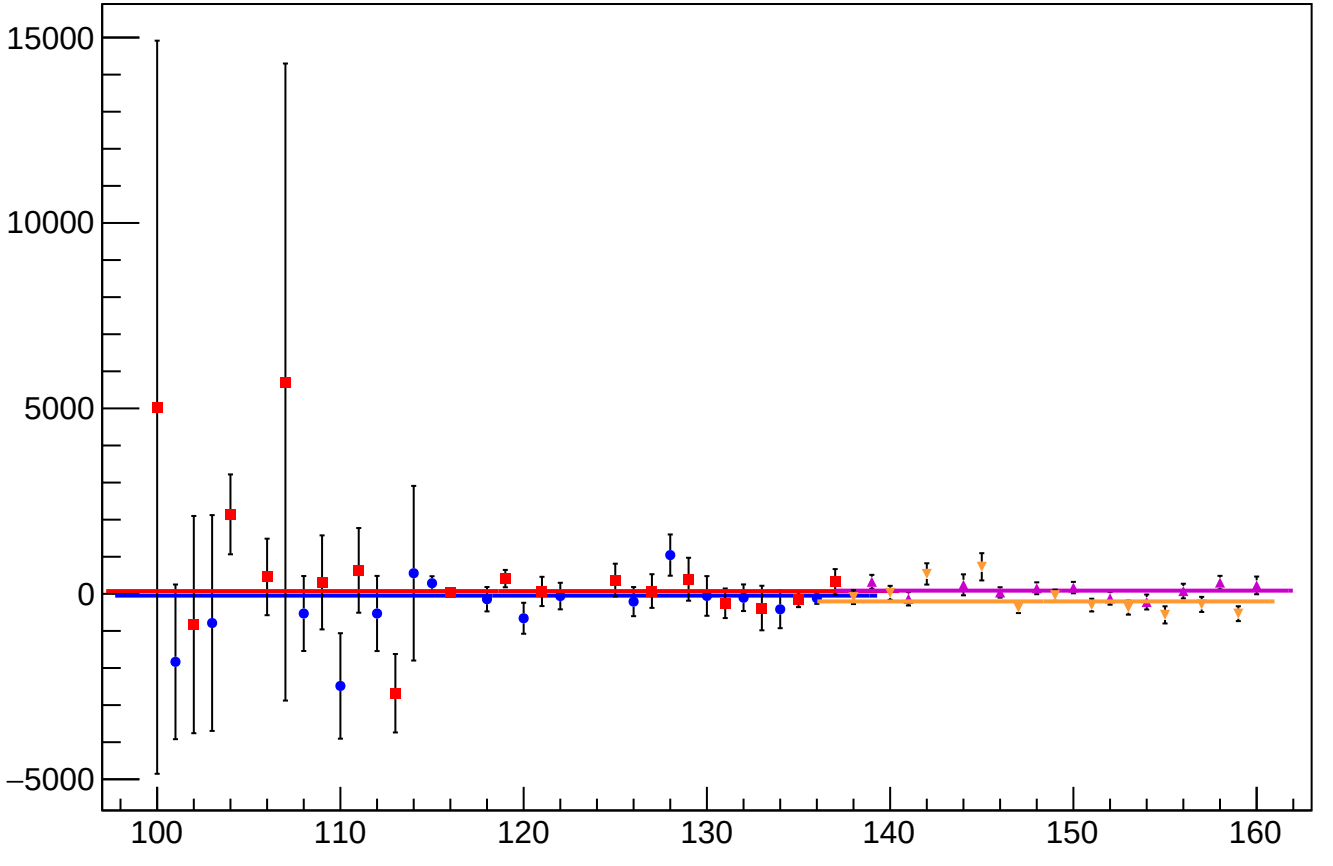
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2232.459+/-0.388 χ^2/NDF:539677.9/26

Out: 2240.068+/-0.398 χ^2/NDF:183411.9/28

All: 2236.172+/-0.278 χ^2/NDF: 723277.3/55

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: 86.386+/-54.647 χ^2/NDF:9.4/10

Left: -49.934+/-39.815 χ^2/NDF: 46.7/21

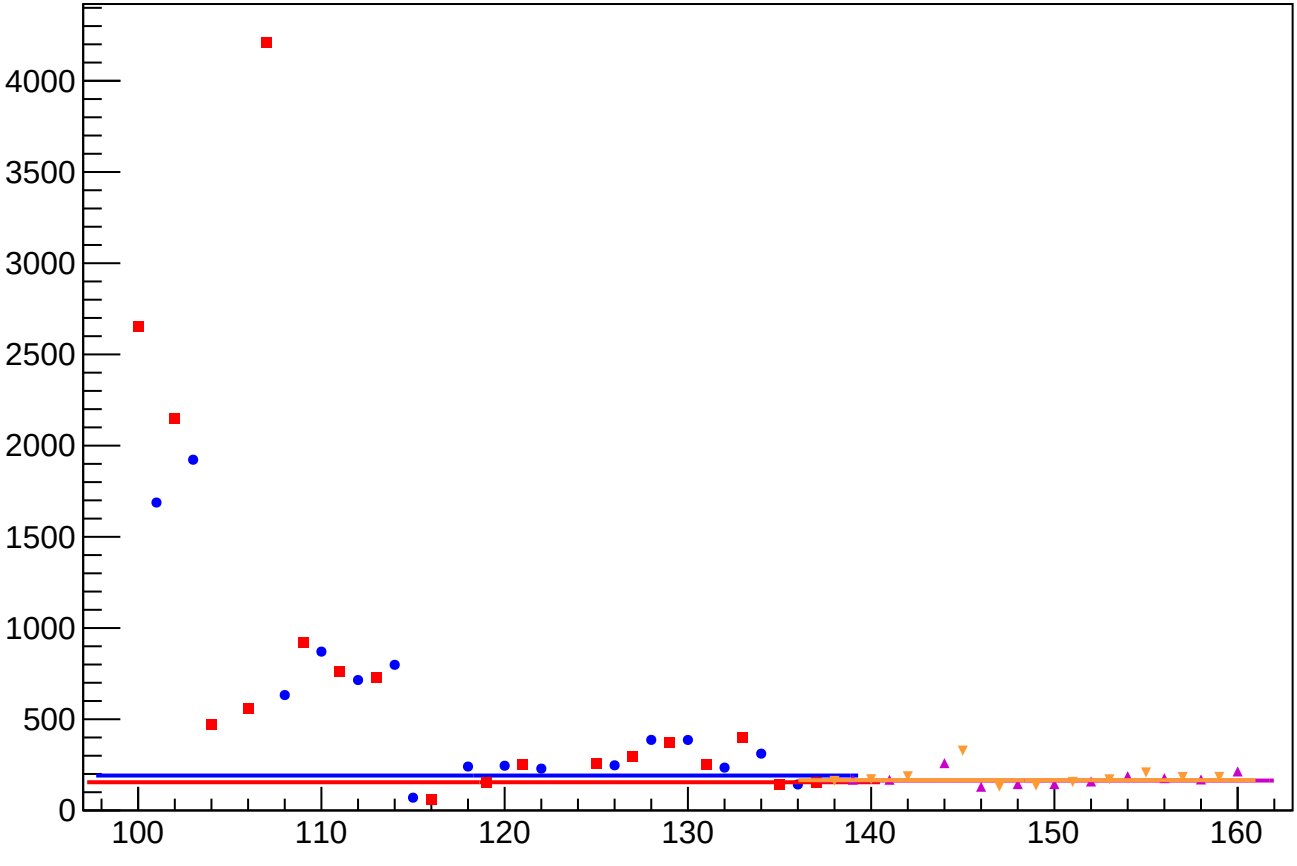
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 50.738+/-46.837 χ^2/NDF:25.4/26

Out: -111.647+/-47.495 χ^2/NDF:49.2/28

All: -29.323+/-33.349 χ^2/NDF: 80.6/55

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: 163.911+/-0.039 χ^2/NDF:538138.9/10

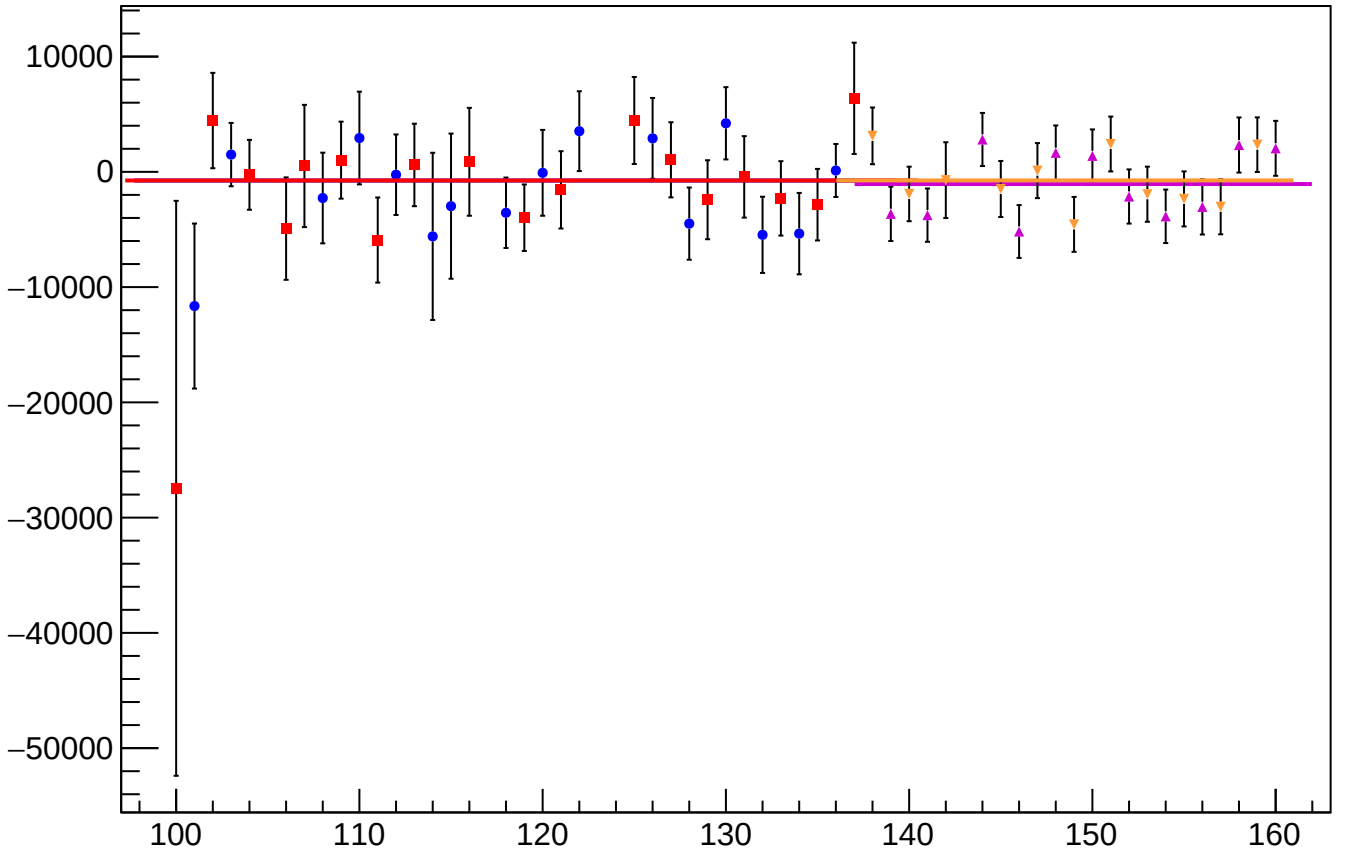
Left: 164.872+/-0.028 χ^2/NDF: 1238050.2/21

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 171.202+/-0.033 χ^2/NDF:5737011.4/26

Out: 162.209+/-0.034 χ^2/NDF:6877922.2/28

All: 166.768+/-0.024 χ^2/NDF: 12651284.1/55



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: -1059.463+/-706.339 χ^2/NDF:17.1/10

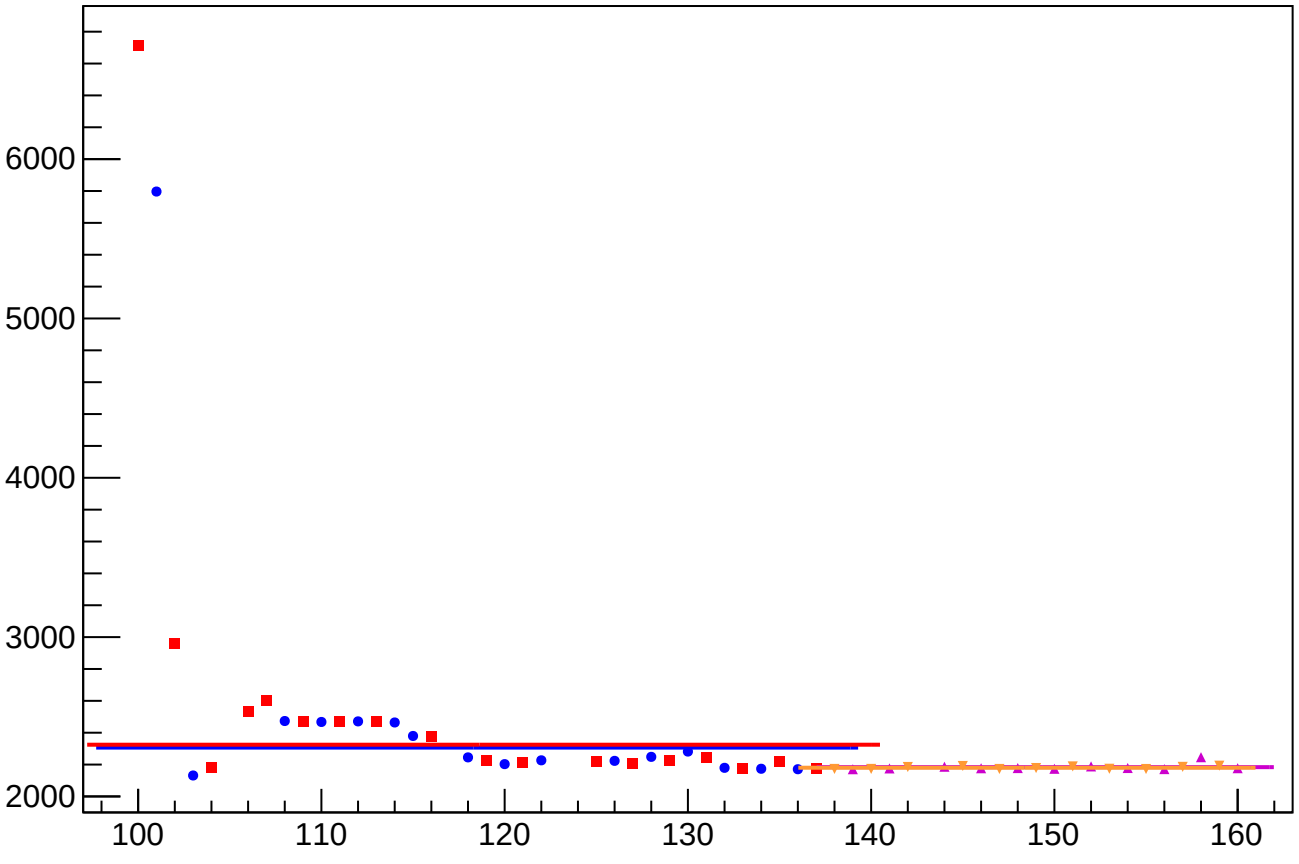
Left: -907.504+/-510.199 χ^2/NDF: 27.8/21

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -938.284+/-549.028 χ^2/NDF:33.0/26

Out: -744.907+/-562.506 χ^2/NDF:23.4/28

All: -843.940+/-392.900 χ^2/NDF: 56.5/55



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: 2183.856+/-0.499 χ^2/NDF:1604.7/10

Left: 2182.126+/-0.361 χ^2/NDF: 1866.5/21

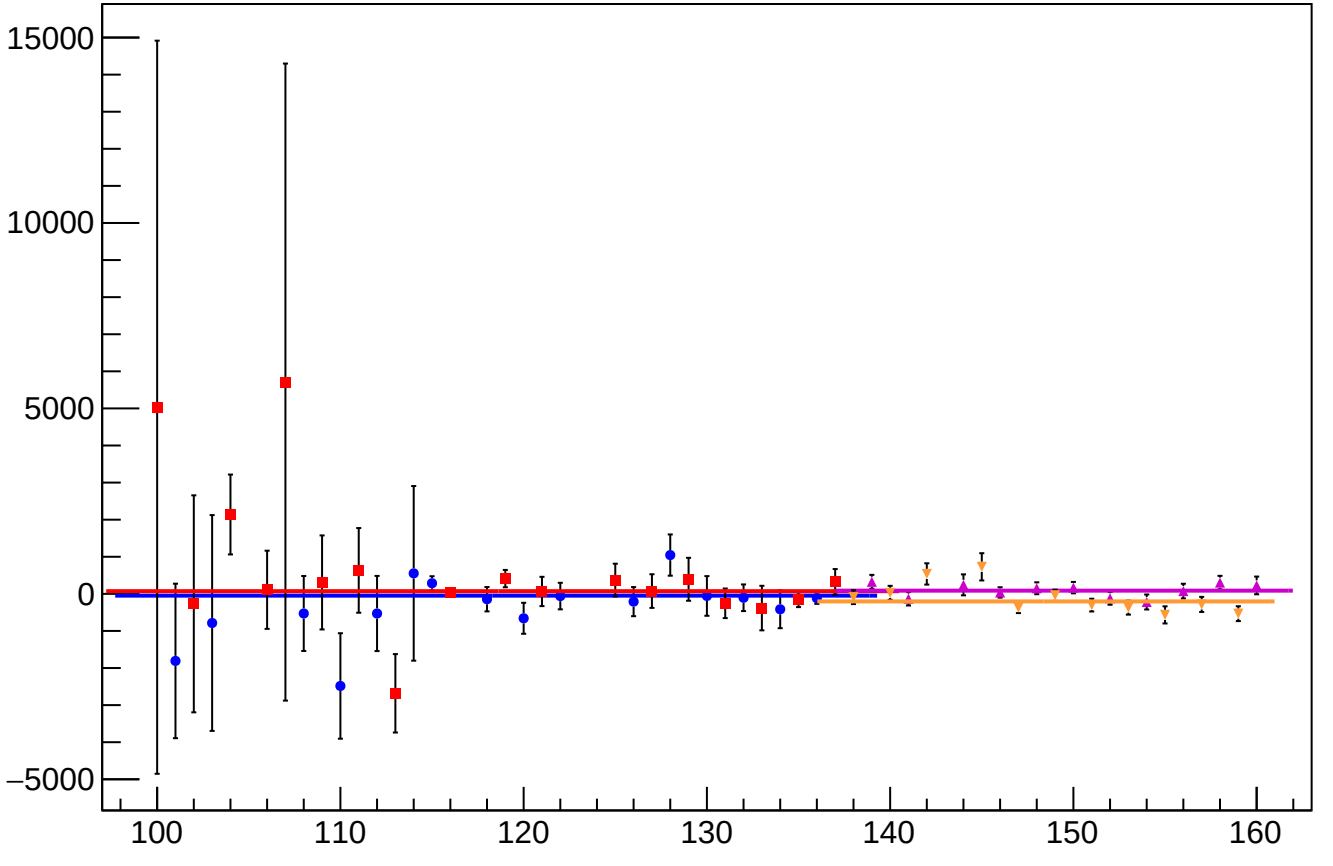
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2232.459+/-0.388 χ^2/NDF:539678.3/26

Out: 2240.711+/-0.398 χ^2/NDF:185913.0/28

All: 2236.485+/-0.278 χ^2/NDF: 725811.7/55

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: 86.426+/-54.652 χ^2/NDF:9.4/10

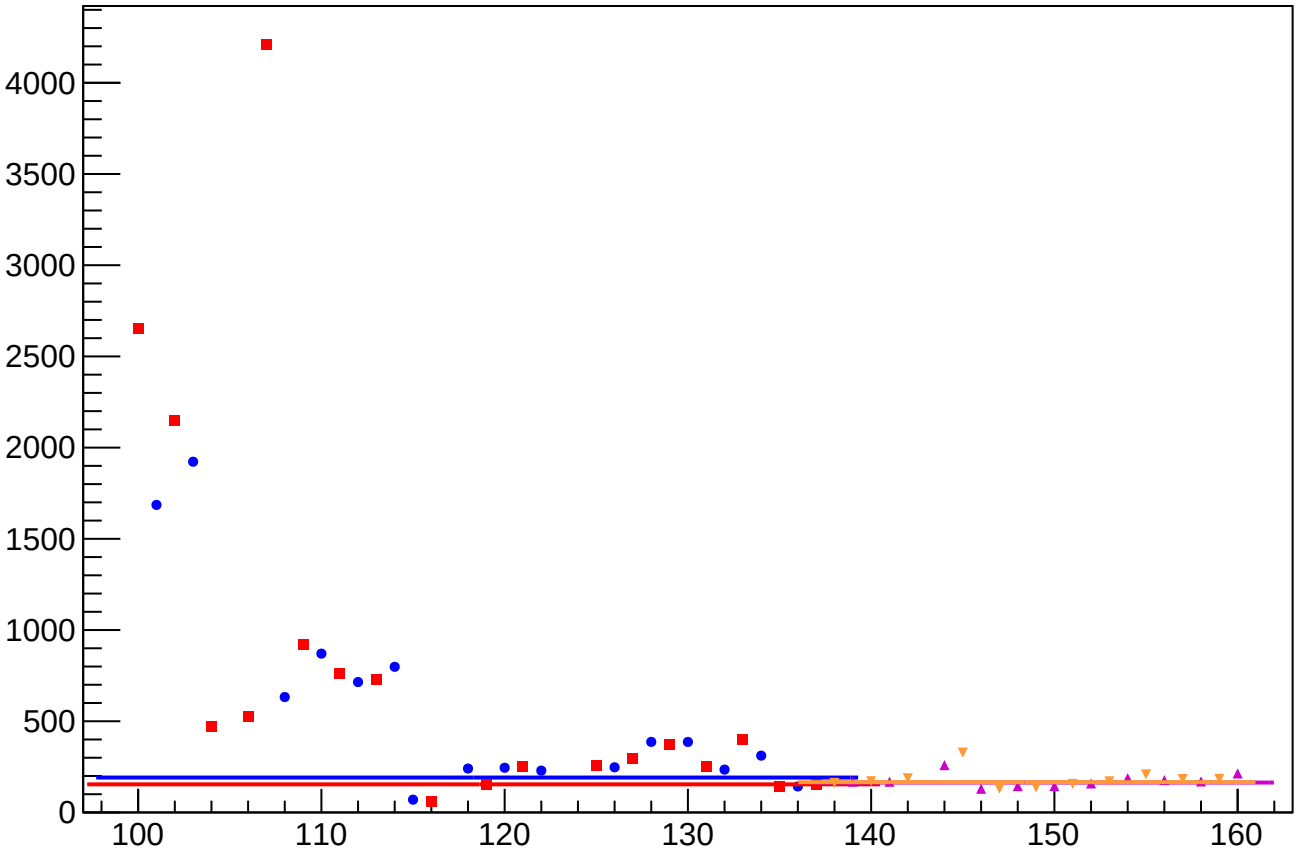
Left: -49.876+/-39.817 χ^2/NDF: 46.6/21

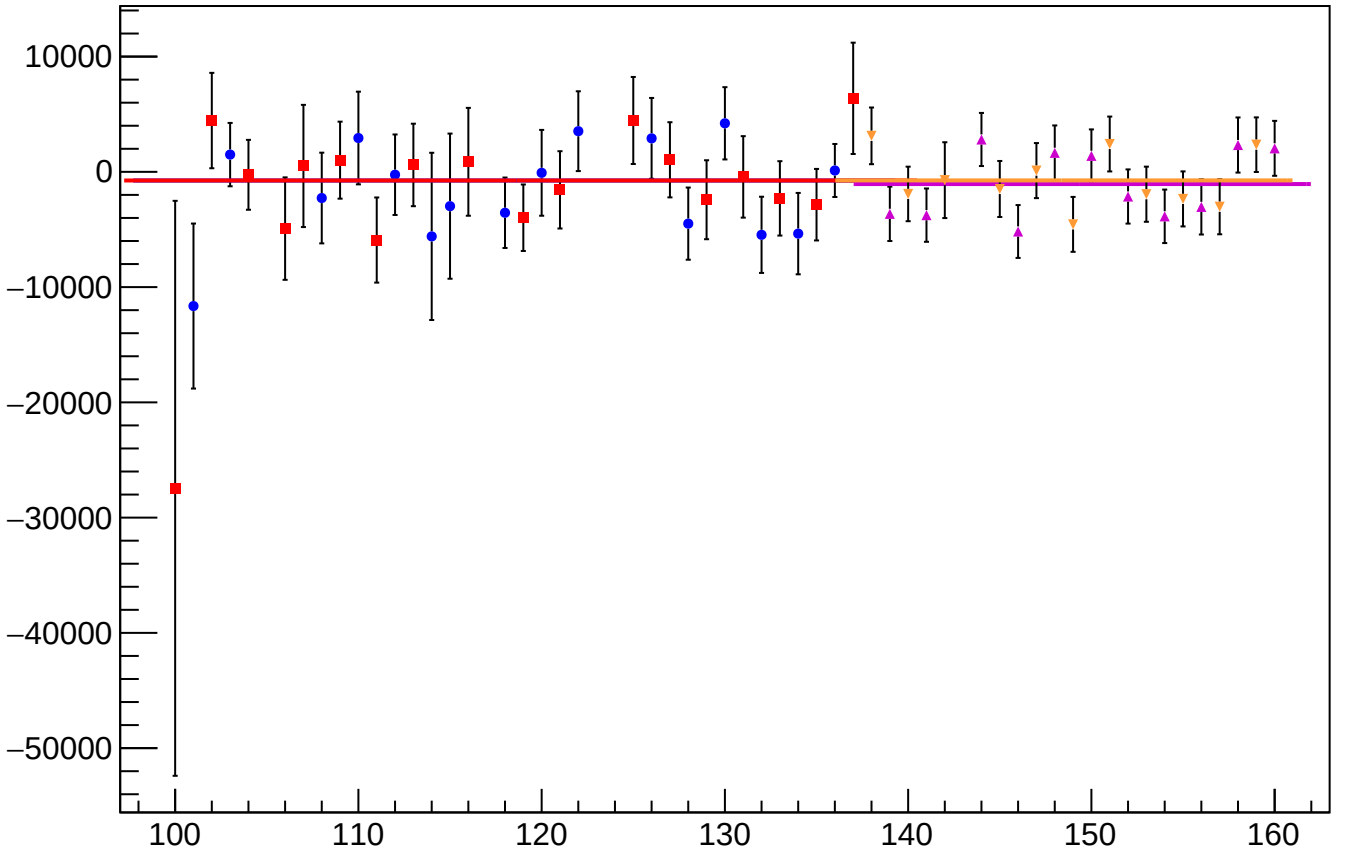
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.757+/-46.841 χ^2/NDF:25.4/26

Out: -112.152+/-47.484 χ^2/NDF:48.9/28

All: -29.588+/-33.346 χ^2/NDF: 80.2/55


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 191.405+/-0.064 χ²/NDF: 5063603.7/15
Left Out: 165.963+/-0.041 χ²/NDF:698686.9/10
Right Out: 154.121+/-0.058 χ²/NDF: 6108665.0/17
Left In: 163.928+/-0.039 χ²/NDF:538250.9/10
Left: 164.883+/-0.028 χ²/NDF: 1238239.2/21
Right: 170.917+/-0.043 χ²/NDF: 11357079.8/33
In: 171.221+/-0.033 χ²/NDF:5736034.6/26
Out: 162.023+/-0.034 χ²/NDF:6834968.9/28
All: 166.685+/-0.024 χ²/NDF: 12609035.2/55



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: -1059.463+/-706.339 χ^2/NDF:17.1/10

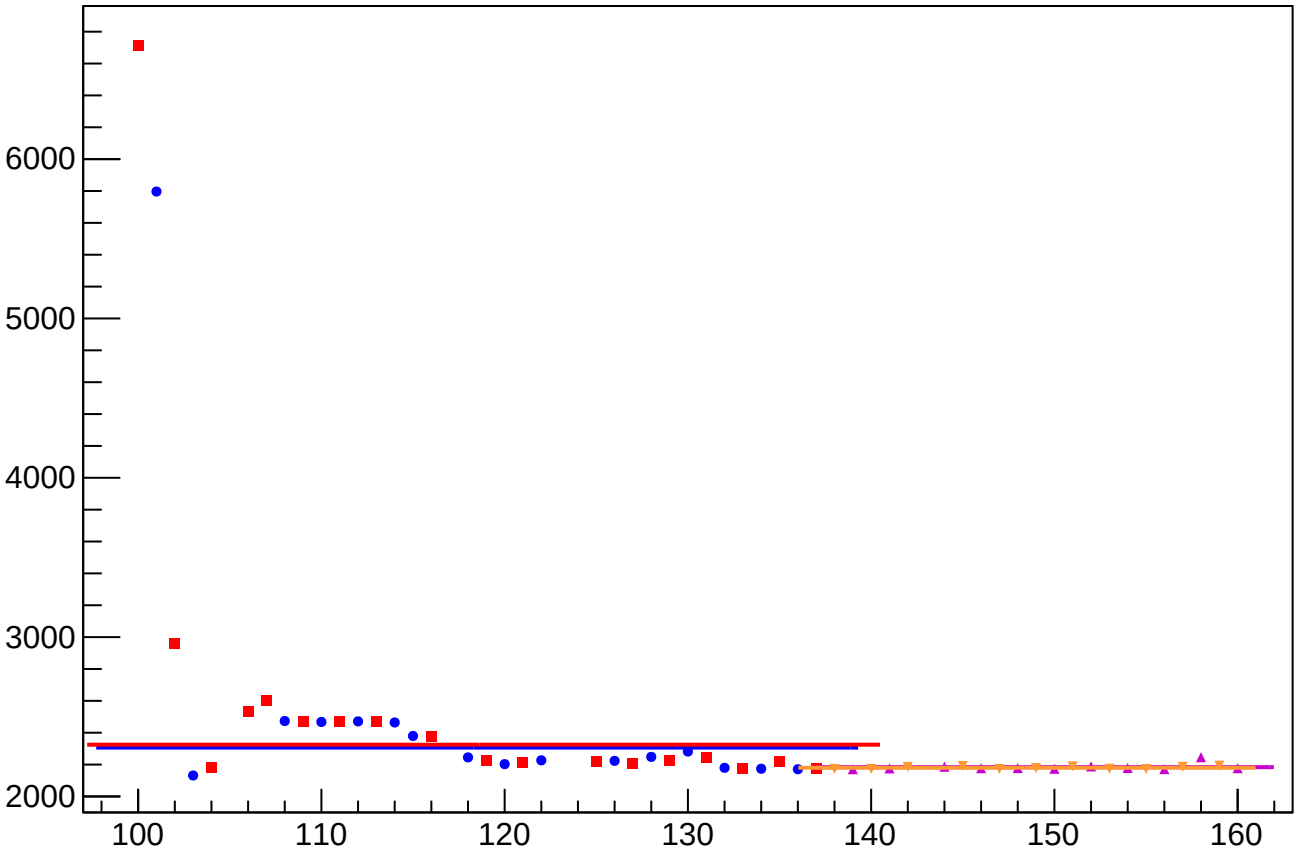
Left: -907.504+/-510.199 χ^2/NDF: 27.8/21

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -938.284+/-549.028 χ^2/NDF:33.0/26

Out: -744.907+/-562.506 χ^2/NDF:23.4/28

All: -843.940+/-392.900 χ^2/NDF: 56.5/55



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: 2183.856+/-0.499 χ^2/NDF:1604.7/10

Left: 2182.126+/-0.361 χ^2/NDF: 1866.5/21

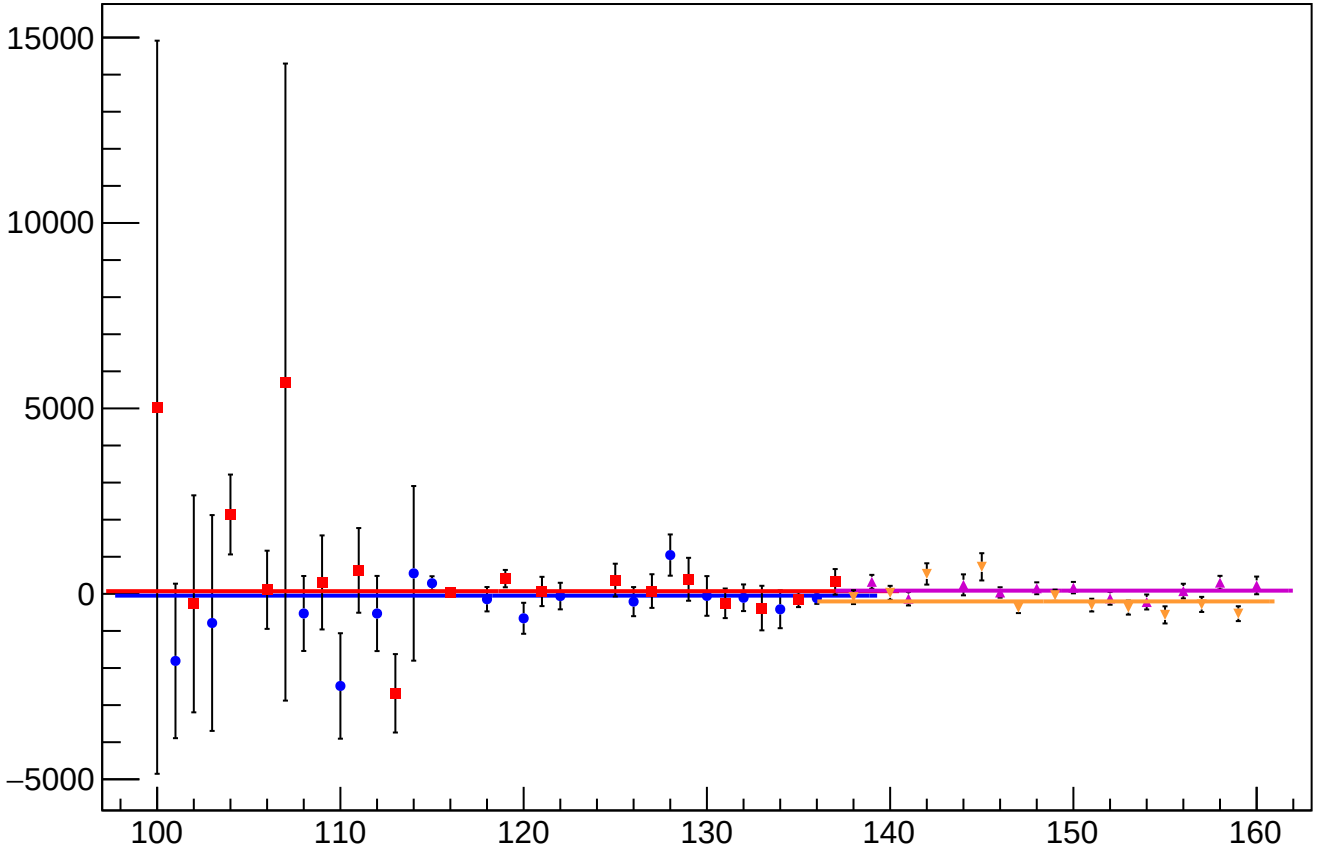
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2232.459+/-0.388 χ^2/NDF:539678.3/26

Out: 2240.711+/-0.398 χ^2/NDF:185913.0/28

All: 2236.485+/-0.278 χ^2/NDF: 725811.7/55

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: 86.426+/-54.652 χ^2/NDF:9.4/10

Left: -49.876+/-39.817 χ^2/NDF: 46.6/21

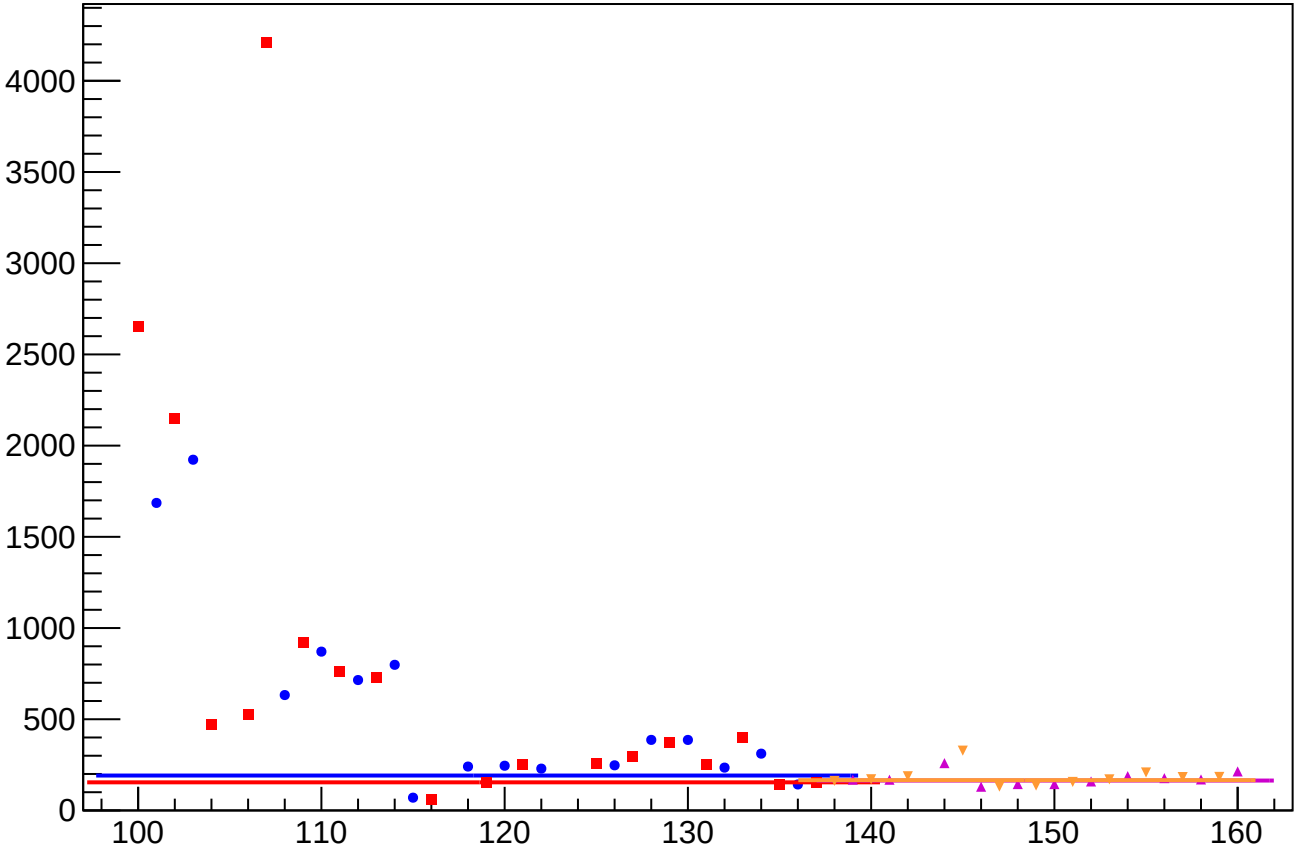
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.757+/-46.841 χ^2/NDF:25.4/26

Out: -112.152+/-47.484 χ^2/NDF:48.9/28

All: -29.588+/-33.346 χ^2/NDF: 80.2/55

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: 163.928+/-0.039 χ^2/NDF:538250.9/10

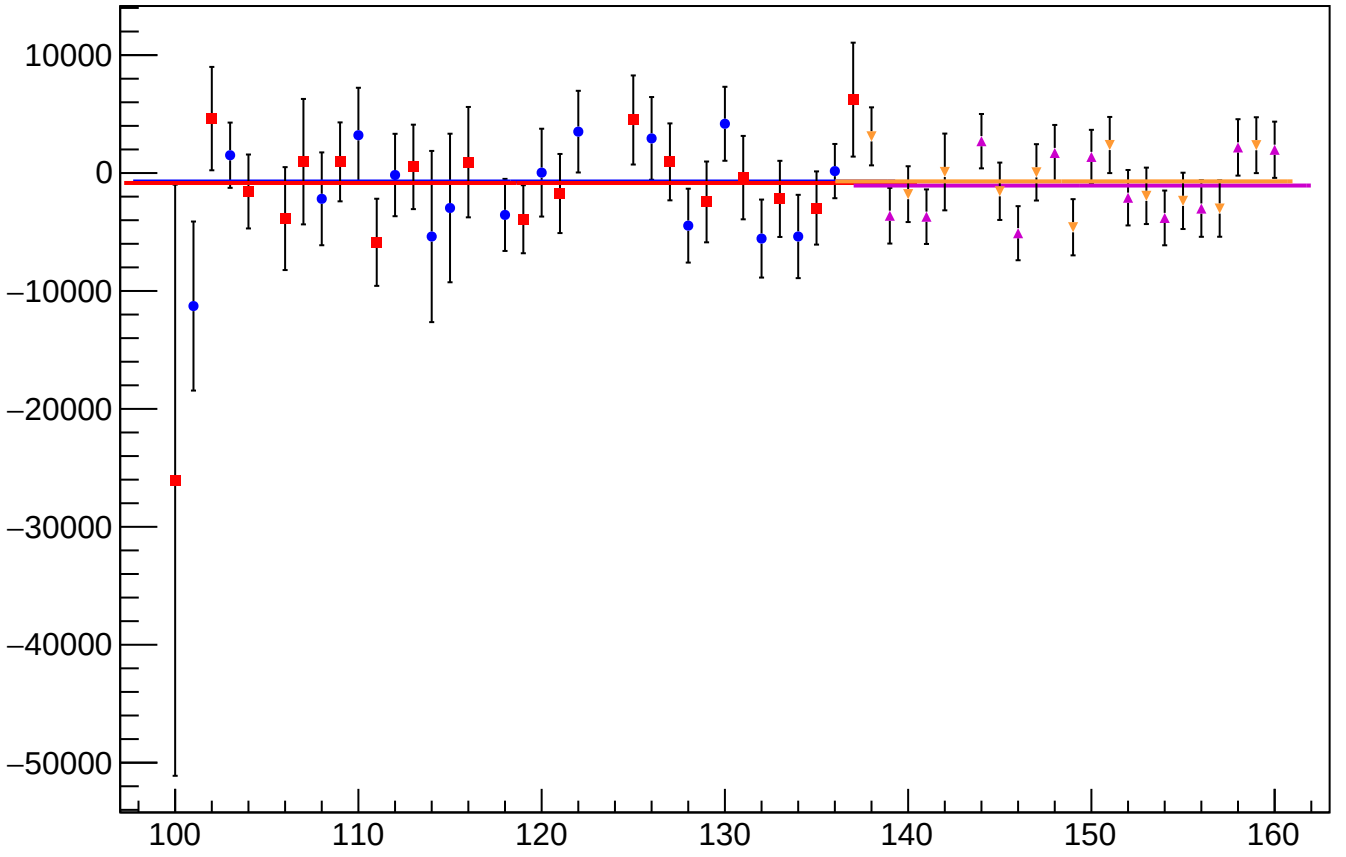
Left: 164.883+/-0.028 χ^2/NDF: 1238239.2/21

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 171.221+/-0.033 χ^2/NDF:5736034.6/26

Out: 162.023+/-0.034 χ^2/NDF:6834968.9/28

All: 166.685+/-0.024 χ^2/NDF: 12609035.2/55



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: -1059.569+/-706.586 χ^2/NDF:16.4/10

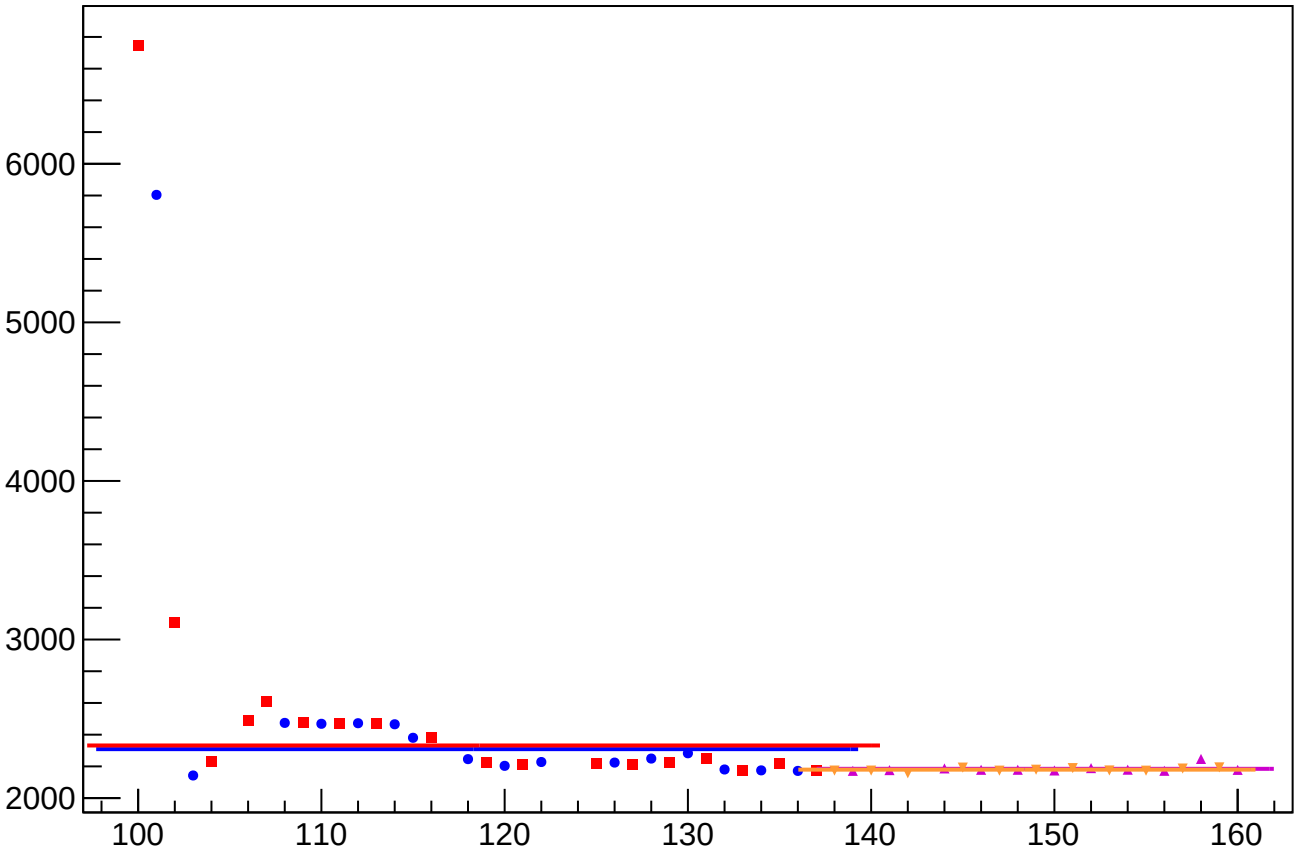
Left: -889.844+/-510.241 χ^2/NDF: 27.1/21

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -924.134+/-549.364 χ^2/NDF:32.4/26

Out: -762.024+/-563.575 χ^2/NDF:22.8/28

All: -845.148+/-393.387 χ^2/NDF: 55.2/55



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: 2184.619+/-0.500 χ^2/NDF:1598.1/10

Left: 2182.162+/-0.361 χ^2/NDF: 1990.3/21

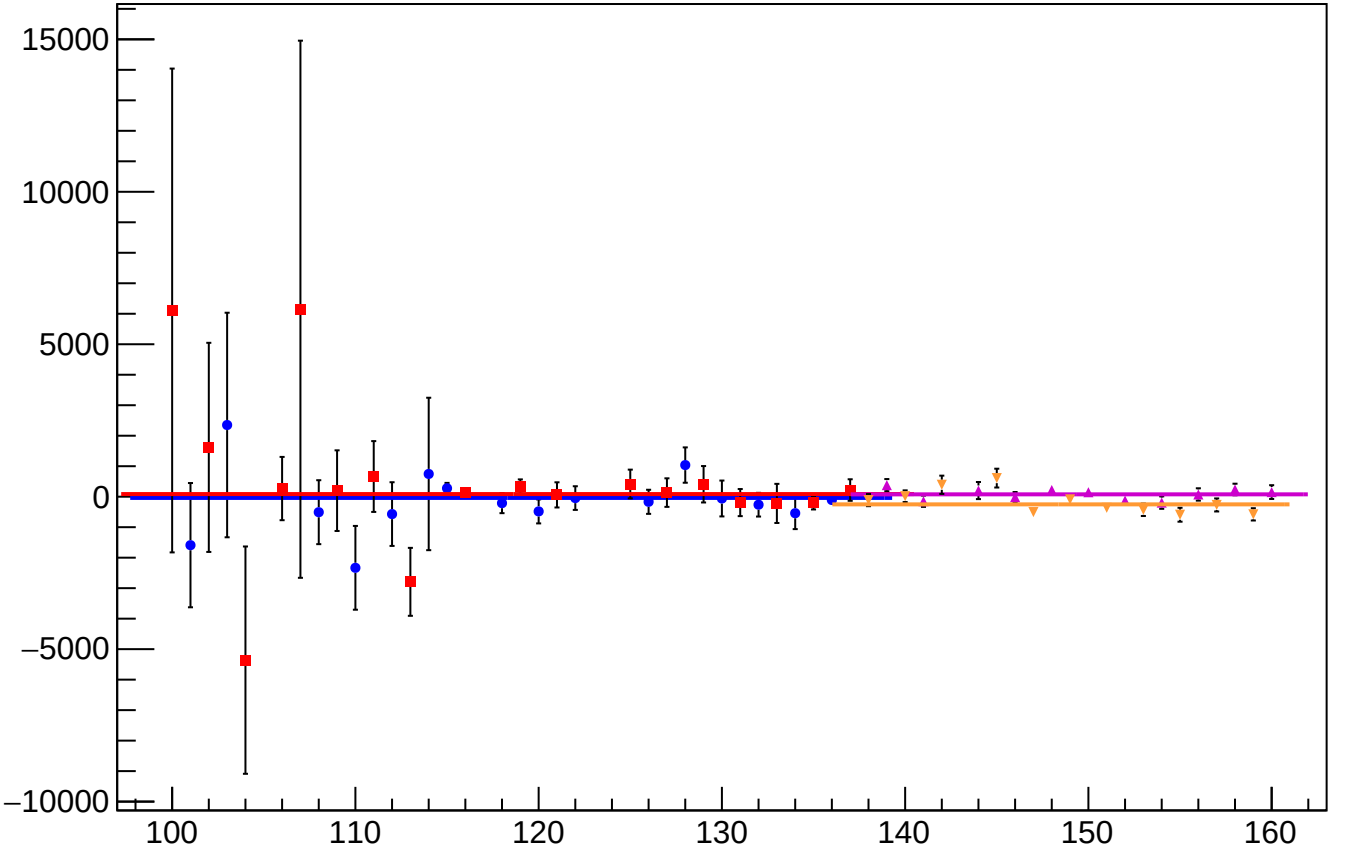
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2233.710+/-0.388 χ^2/NDF:539748.7/26

Out: 2242.897+/-0.399 χ^2/NDF:203182.7/28

All: 2238.186+/-0.278 χ^2/NDF: 743203.9/55

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: 77.361+/-55.754 χ^2/NDF:9.4/10

Left: -77.855+/-40.510 χ^2/NDF: 50.7/21

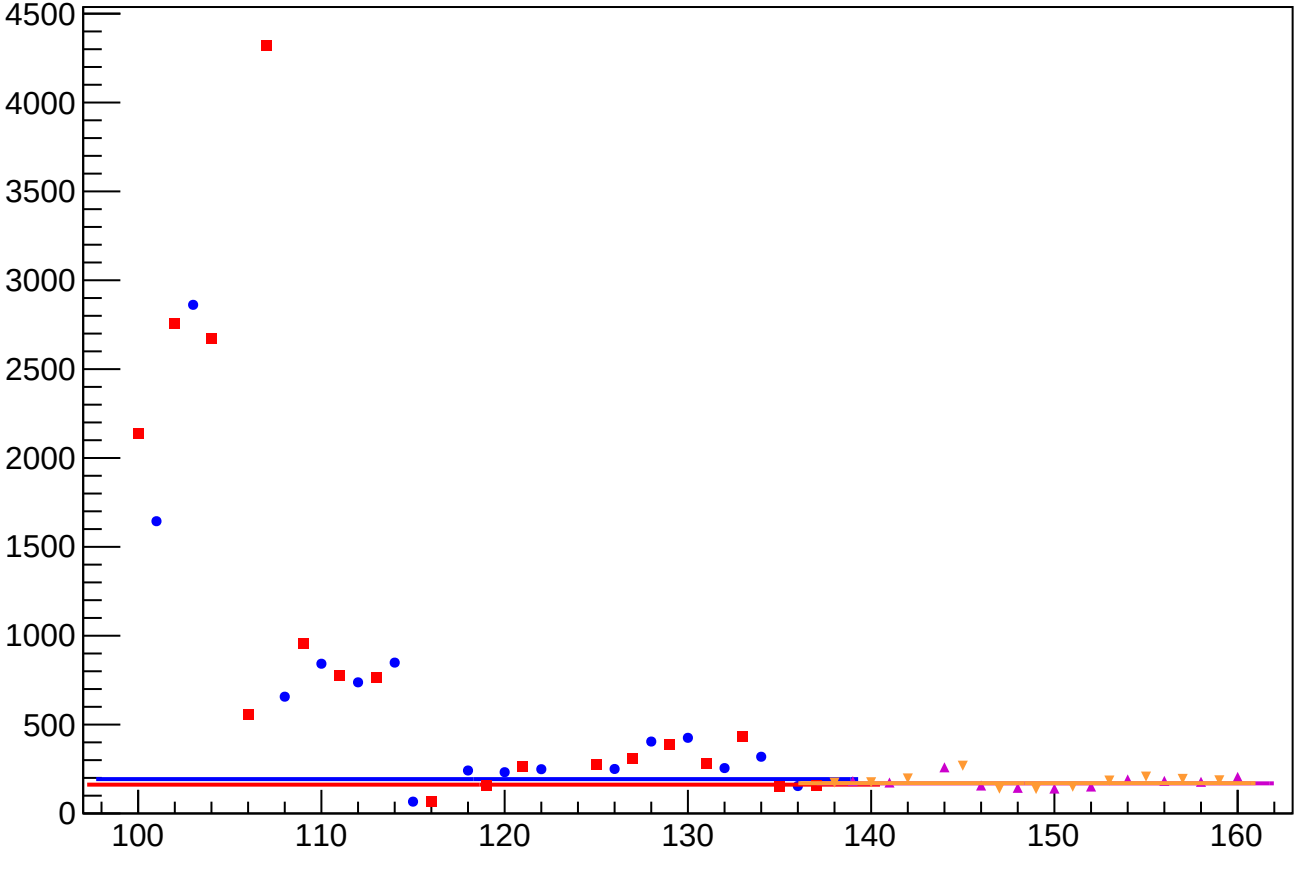
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 46.009+/-47.738 χ^2/NDF:24.7/26

Out: -143.572+/-48.644 χ^2/NDF:50.3/28

All: -46.999+/-34.072 χ^2/NDF: 82.7/55

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: 169.367+/-0.039 χ^2/NDF:468645.8/10

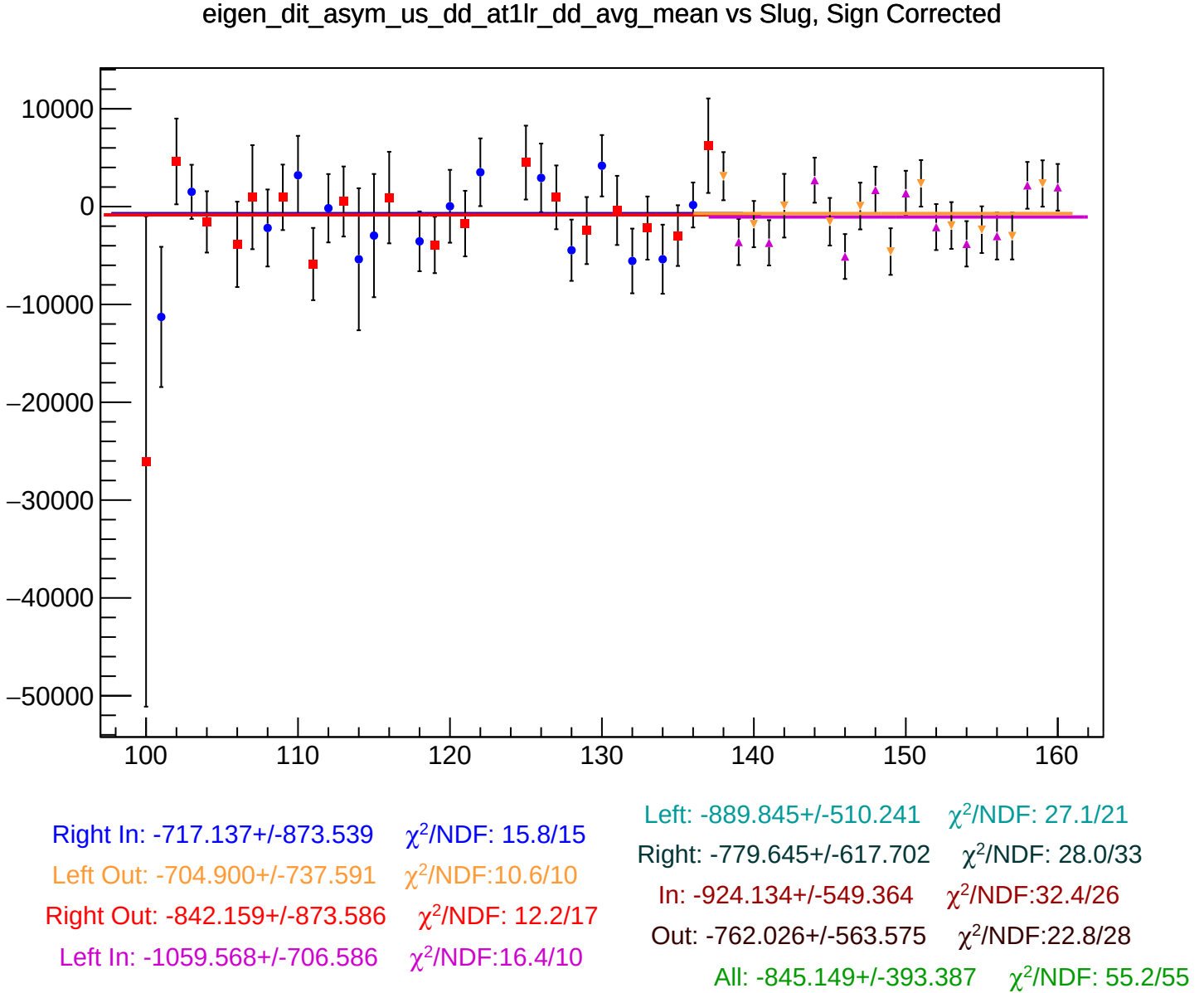
Left: 169.841+/-0.029 χ^2/NDF: 997247.1/21

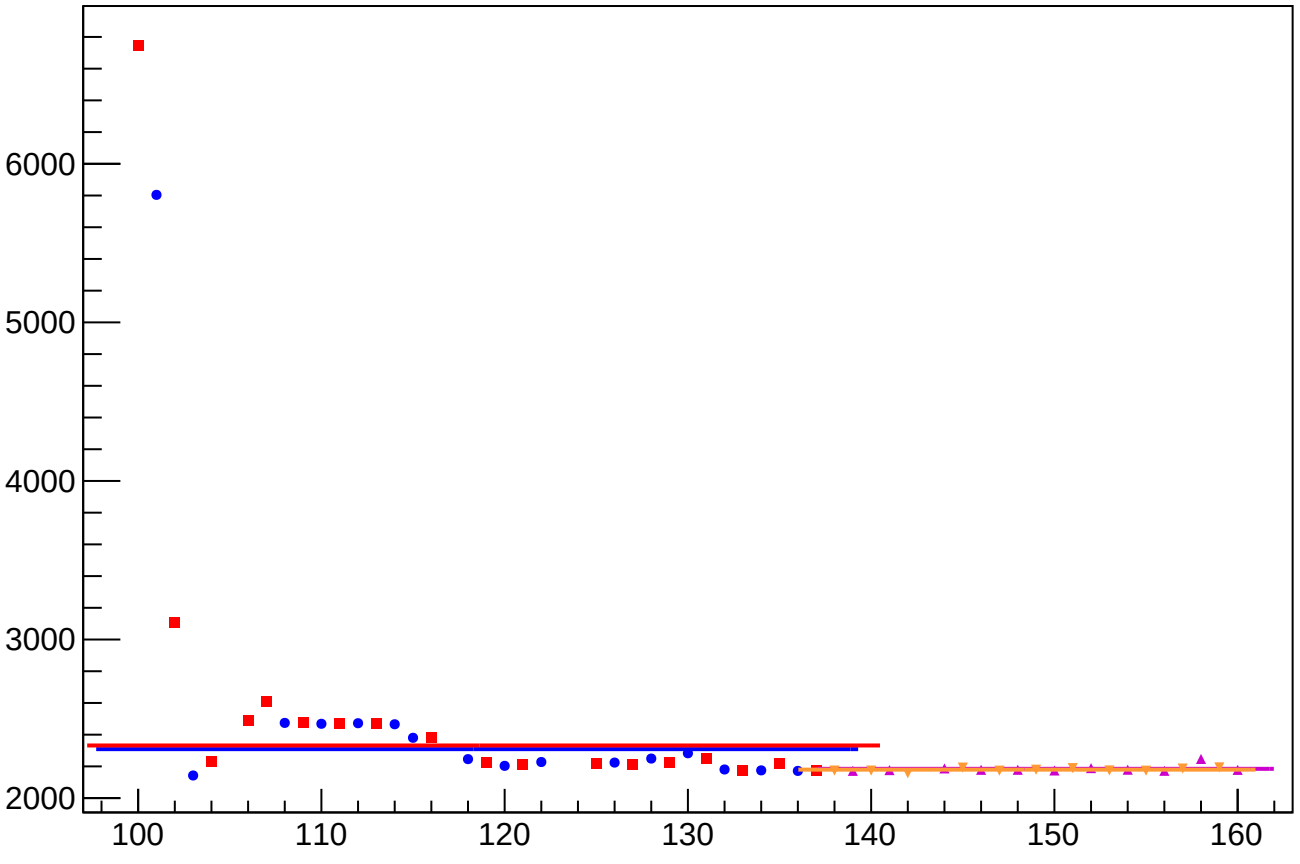
Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 175.742+/-0.034 χ^2/NDF:6184475.5/26

Out: 167.735+/-0.034 χ^2/NDF:7611309.1/28

All: 171.814+/-0.024 χ^2/NDF: 13823389.9/55


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -717.137+/-873.539 χ²/NDF: 15.8/15
Left Out: -704.900+/-737.591 χ²/NDF:10.6/10
Right Out: -842.159+/-873.586 χ²/NDF: 12.2/17
Left In: -1059.568+/-706.586 χ²/NDF:16.4/10
Left: -889.845+/-510.241 χ²/NDF: 27.1/21
Right: -779.645+/-617.702 χ²/NDF: 28.0/33
In: -924.134+/-549.364 χ²/NDF:32.4/26
Out: -762.026+/-563.575 χ²/NDF:22.8/28
All: -845.149+/-393.387 χ²/NDF: 55.2/55



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: 2184.619+/-0.500 χ^2/NDF:1598.1/10

Left: 2182.162+/-0.361 χ^2/NDF: 1990.3/21

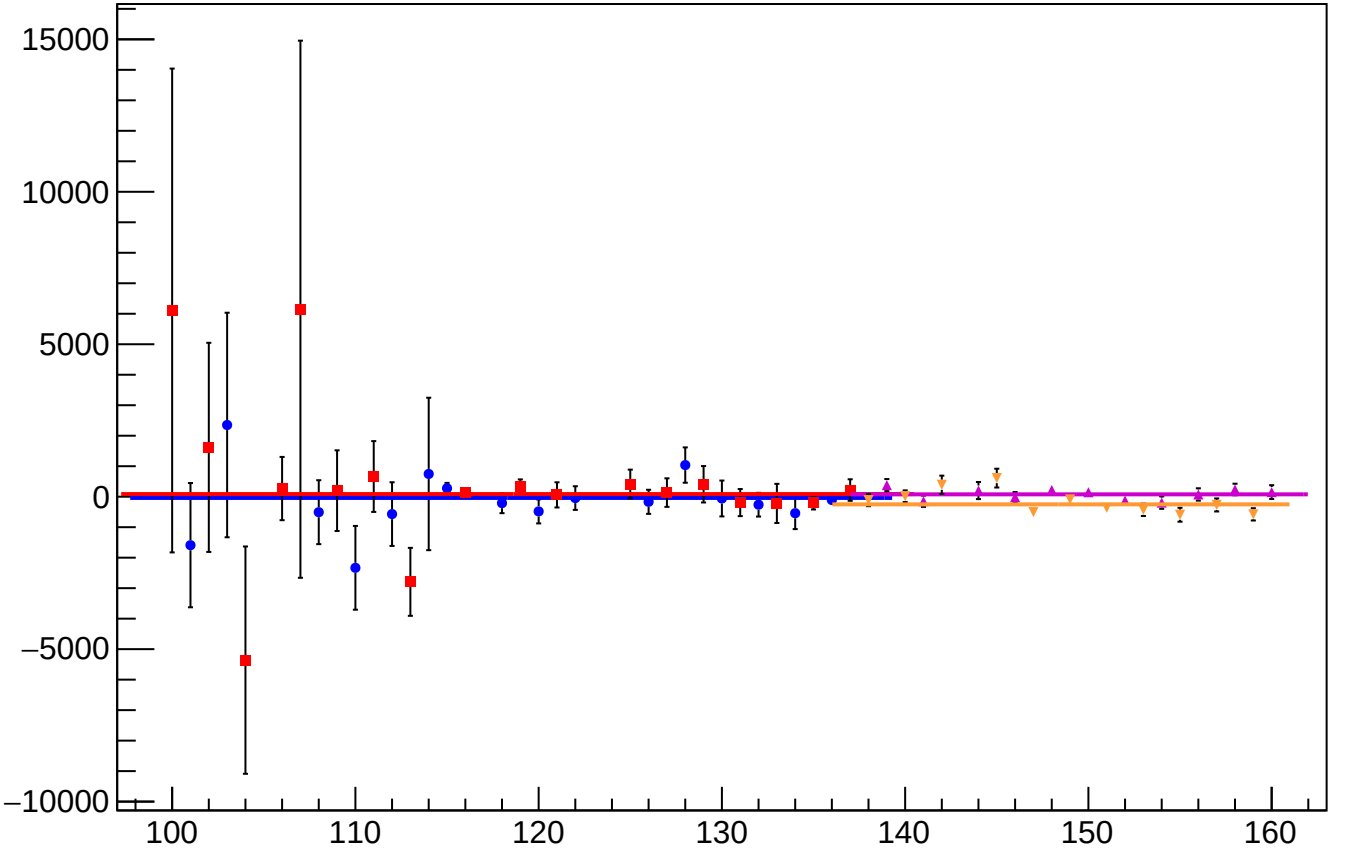
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2233.710+/-0.388 χ^2/NDF:539748.8/26

Out: 2242.897+/-0.399 χ^2/NDF:203182.5/28

All: 2238.186+/-0.278 χ^2/NDF: 743203.8/55

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: 77.359+/-55.754 χ^2/NDF:9.4/10

Left: -77.856+/-40.510 χ^2/NDF: 50.7/21

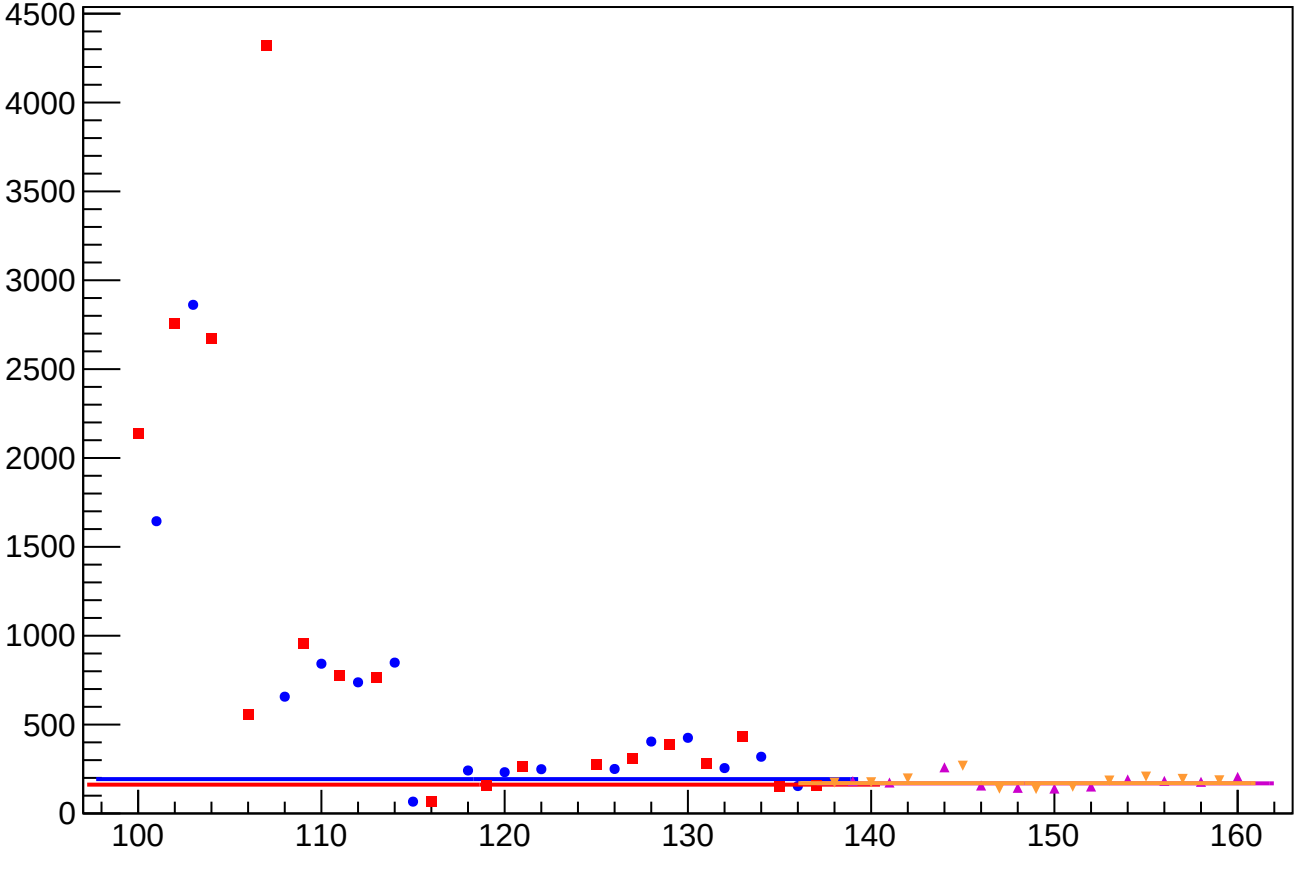
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 46.008+/-47.738 χ^2/NDF:24.7/26

Out: -143.570+/-48.644 χ^2/NDF:50.3/28

All: -46.999+/-34.072 χ^2/NDF: 82.7/55

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: 169.368+/-0.039 χ^2/NDF:468640.2/10

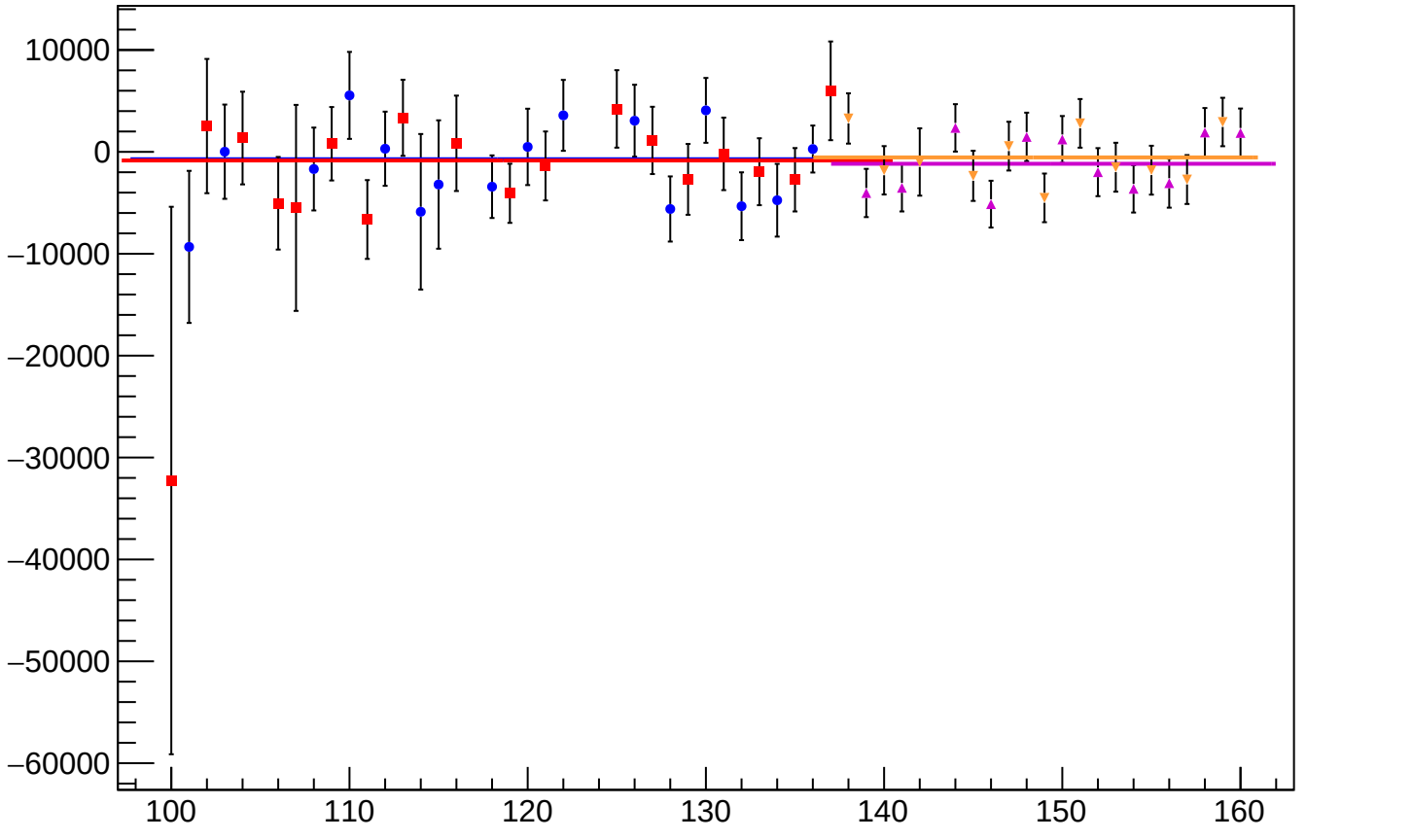
Left: 169.842+/-0.029 χ^2/NDF: 997221.6/21

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 175.742+/-0.034 χ^2/NDF:6184483.5/26

Out: 167.735+/-0.034 χ^2/NDF:7611357.4/28

All: 171.814+/-0.024 χ^2/NDF: 13823448.1/55



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: -1169.985+/-709.123 χ^2/NDF:15.2/10

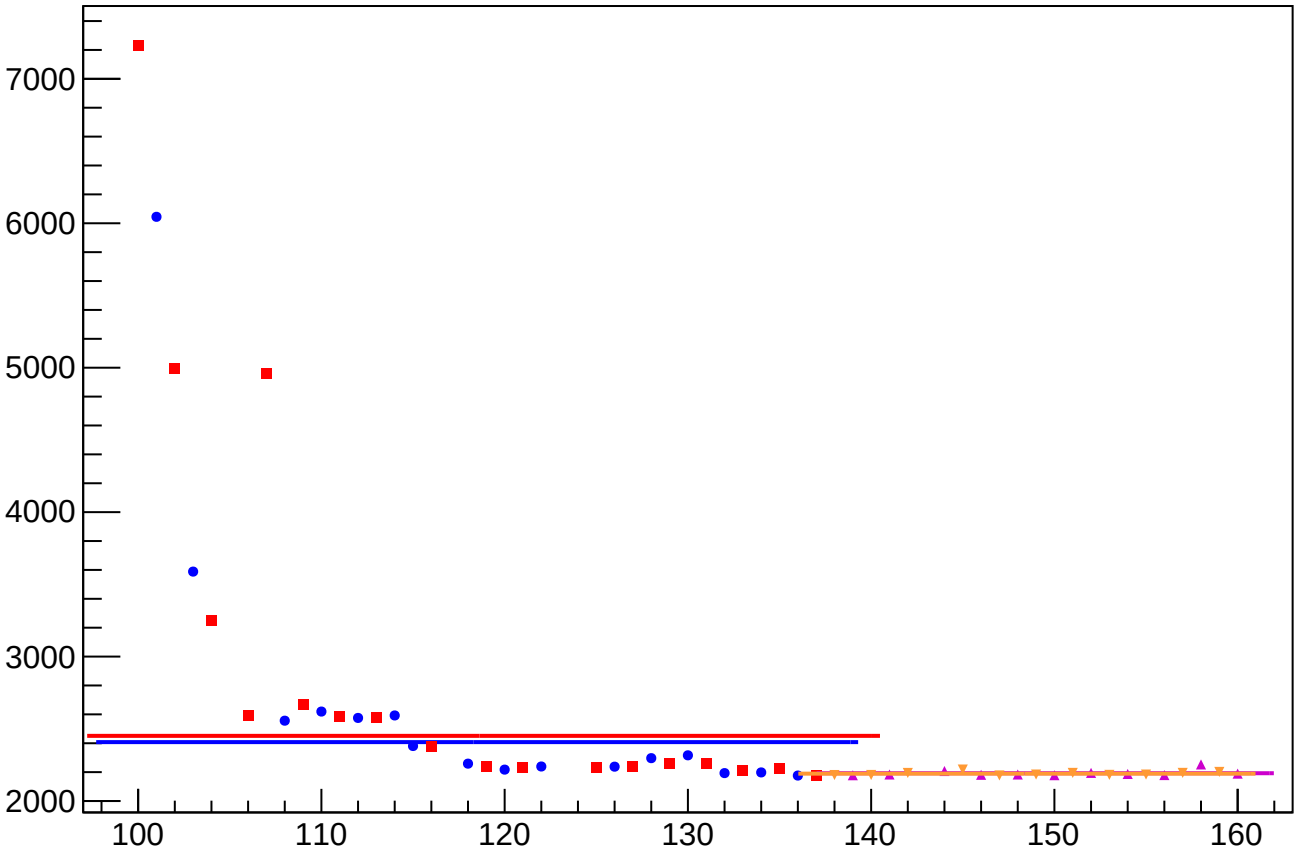
Left: -871.050+/-512.285 χ^2/NDF: 27.1/21

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1001.251+/-560.784 χ^2/NDF:31.1/26

Out: -661.441+/-579.163 χ^2/NDF:24.6/28

All: -836.823+/-402.875 χ^2/NDF: 55.9/55



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: 2192.455+/-0.501 χ^2/NDF:1682.0/10

Left: 2191.034+/-0.362 χ^2/NDF: 2206.5/21

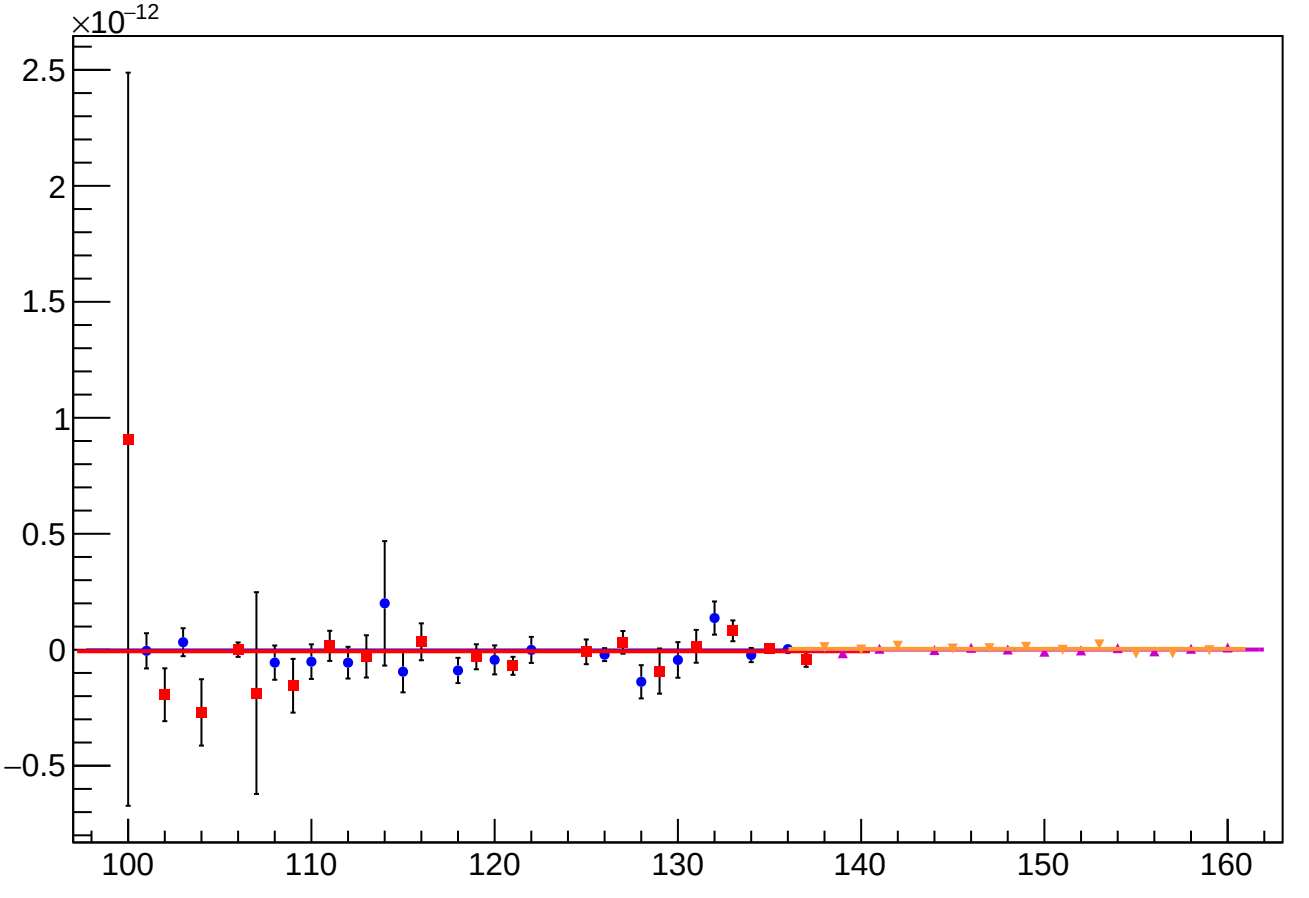
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2273.124+/-0.397 χ^2/NDF:747664.2/26

Out: 2291.263+/-0.410 χ^2/NDF:731161.2/28

All: 2281.901+/-0.285 χ^2/NDF: 1479838.0/55

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.4/10

Left: 0.000+/-0.000 χ^2/NDF: 21.4/21

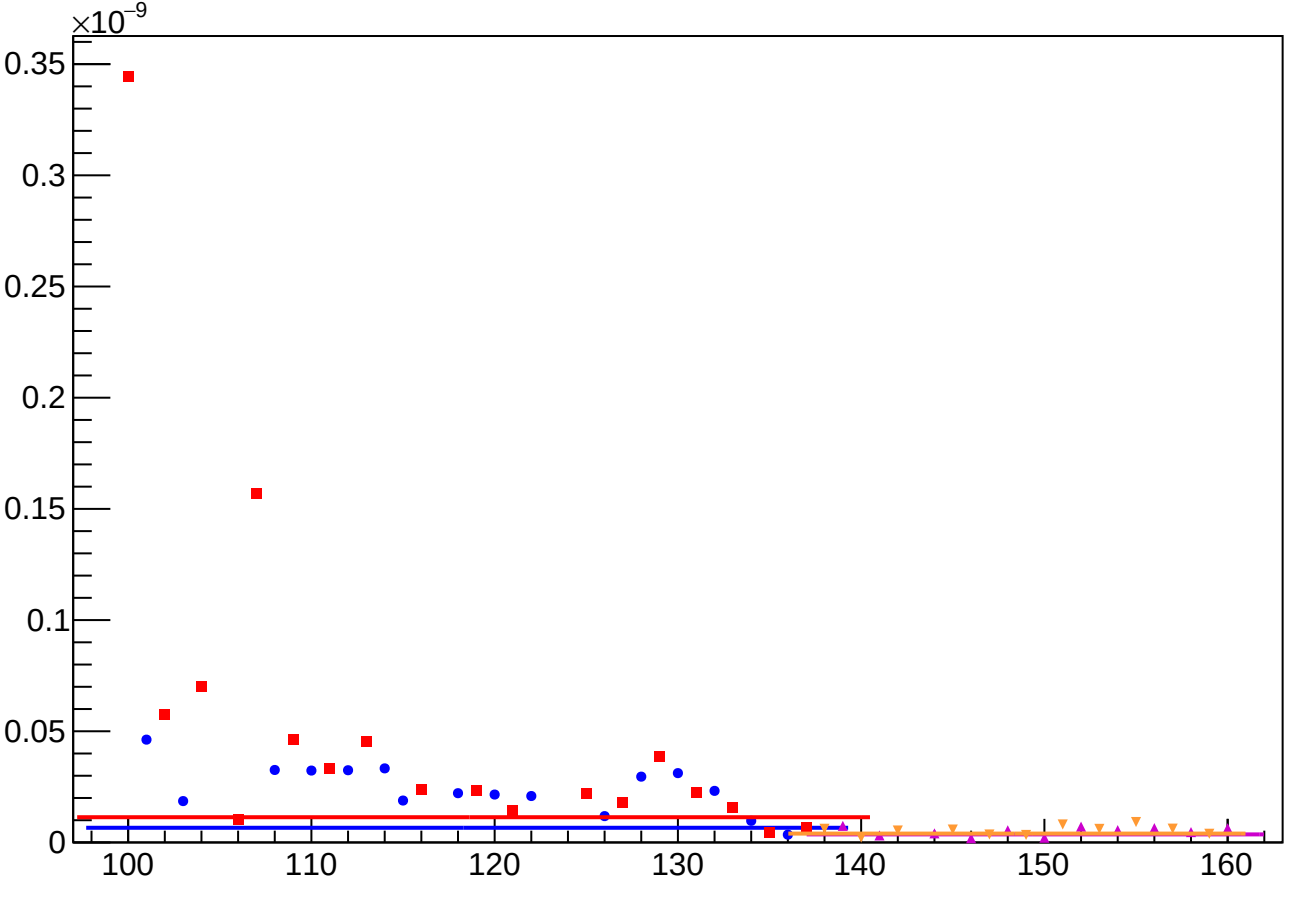
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:25.3/26

Out: 0.000+/-0.000 χ^2/NDF:31.2/28

All: 0.000+/-0.000 χ^2/NDF: 57.3/55

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:1156302.5/10

Left: 0.000+/-0.000 χ^2/NDF: 2321702.3/21

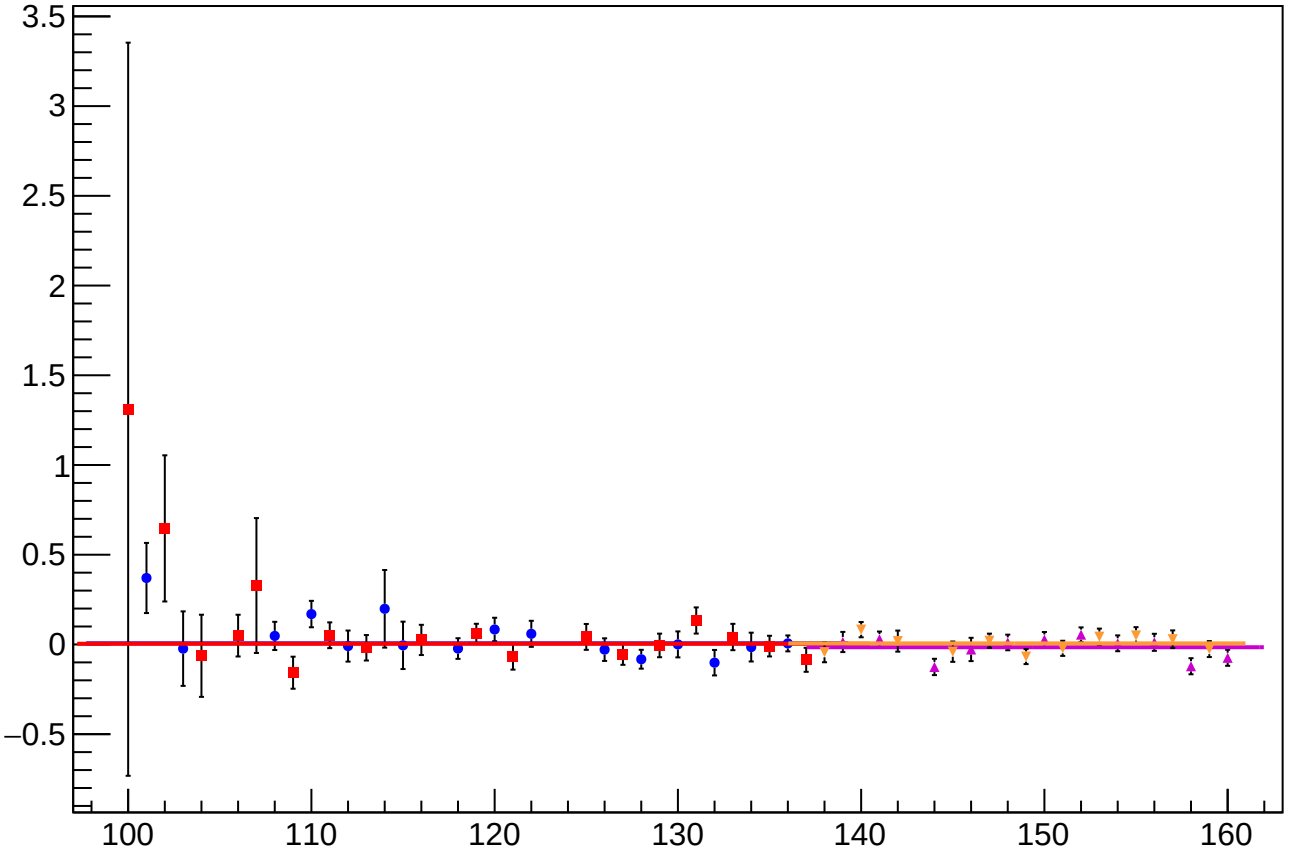
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4407374.5/26

Out: 0.000+/-0.000 χ^2/NDF:4908409.0/28

All: 0.000+/-0.000 χ^2/NDF: 9354025.9/55

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: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.005+/-0.010 χ^2/NDF: 31.5/21

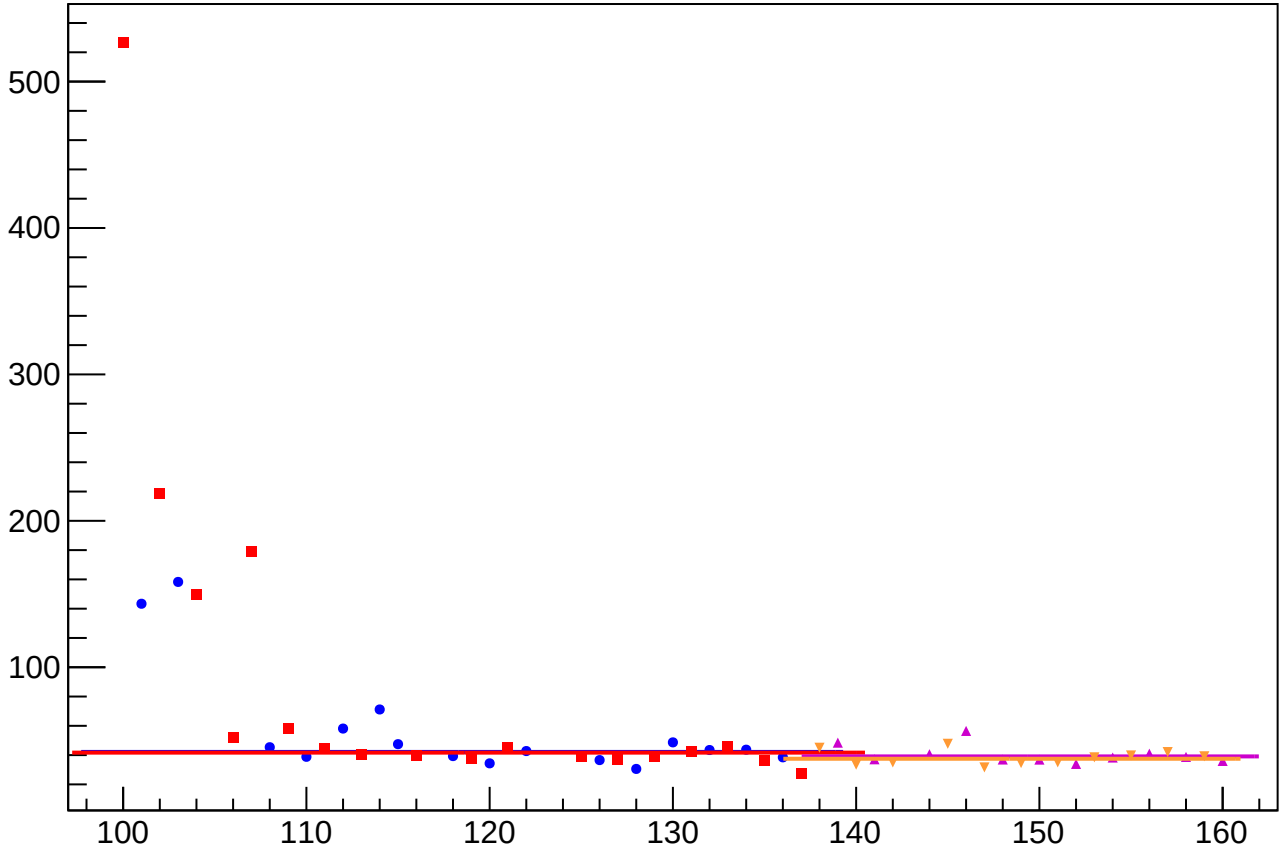
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: -0.001+/-0.008 χ^2/NDF: 65.4/55

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: 39.110+/-0.010 χ^2/NDF:261450.7/10

Left: 38.317+/-0.007 χ^2/NDF: 484978.1/21

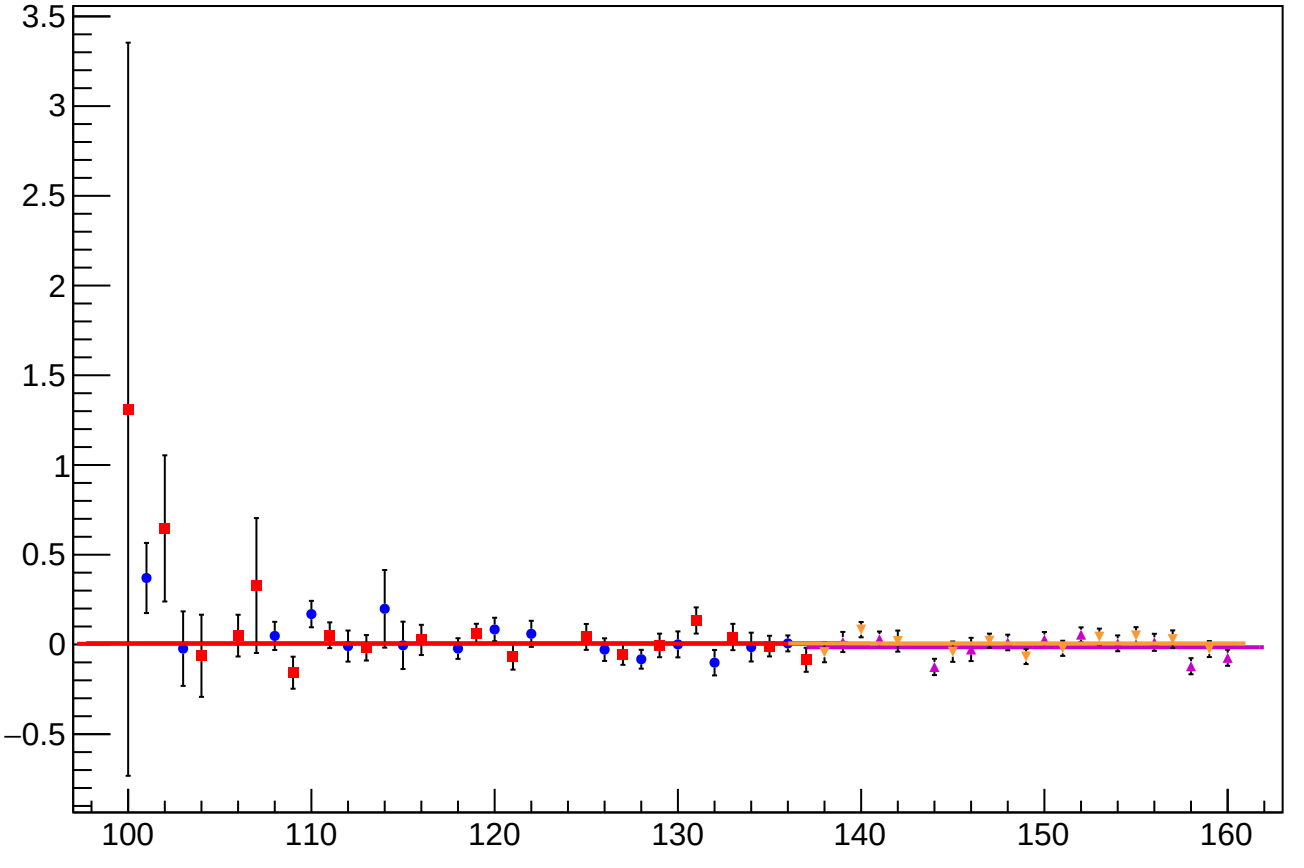
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.222+/-0.008 χ^2/NDF:1751450.9/26

Out: 39.017+/-0.008 χ^2/NDF:1716210.0/28

All: 39.628+/-0.006 χ^2/NDF: 3479467.6/55

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: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.005+/-0.010 χ^2/NDF: 31.5/21

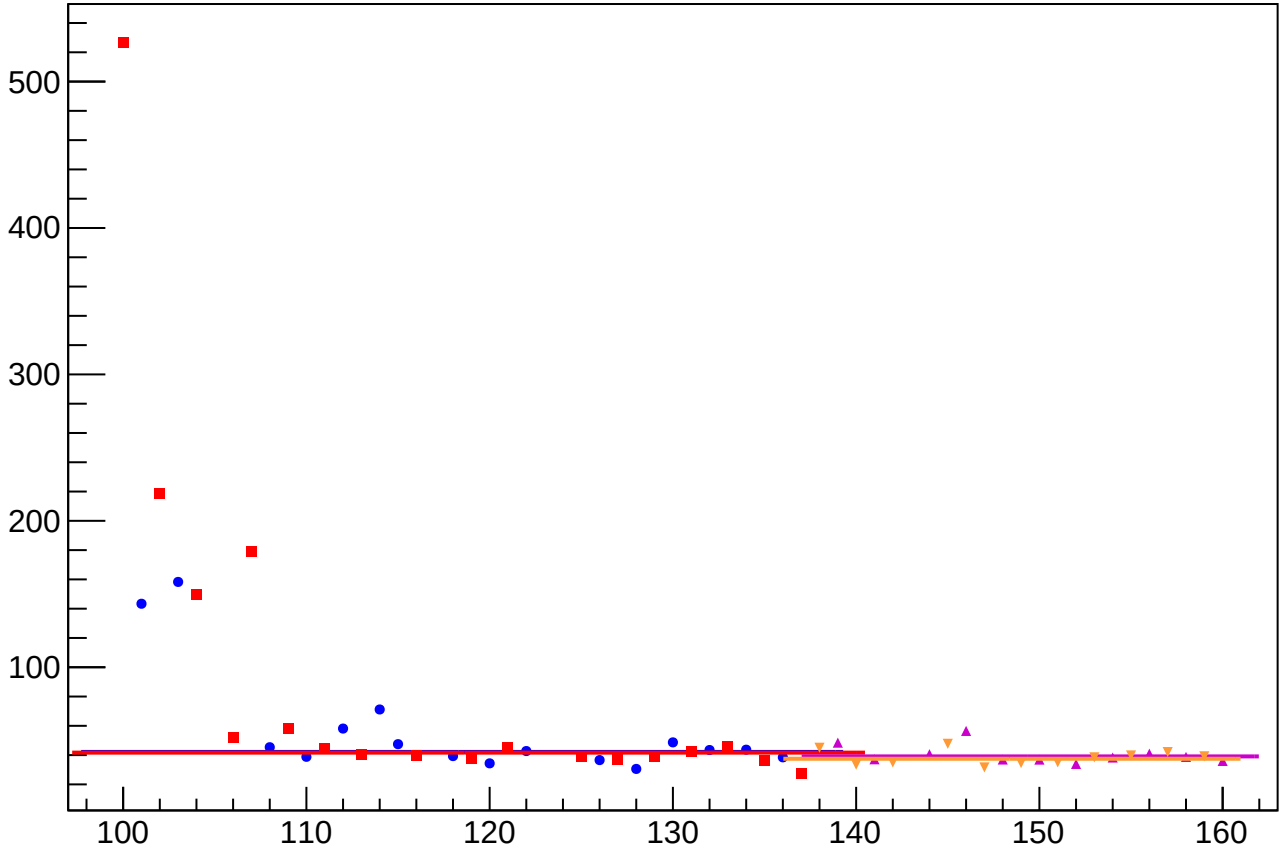
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: -0.001+/-0.008 χ^2/NDF: 65.4/55

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: 39.110+/-0.010 χ^2/NDF:261450.7/10

Left: 38.317+/-0.007 χ^2/NDF: 484978.1/21

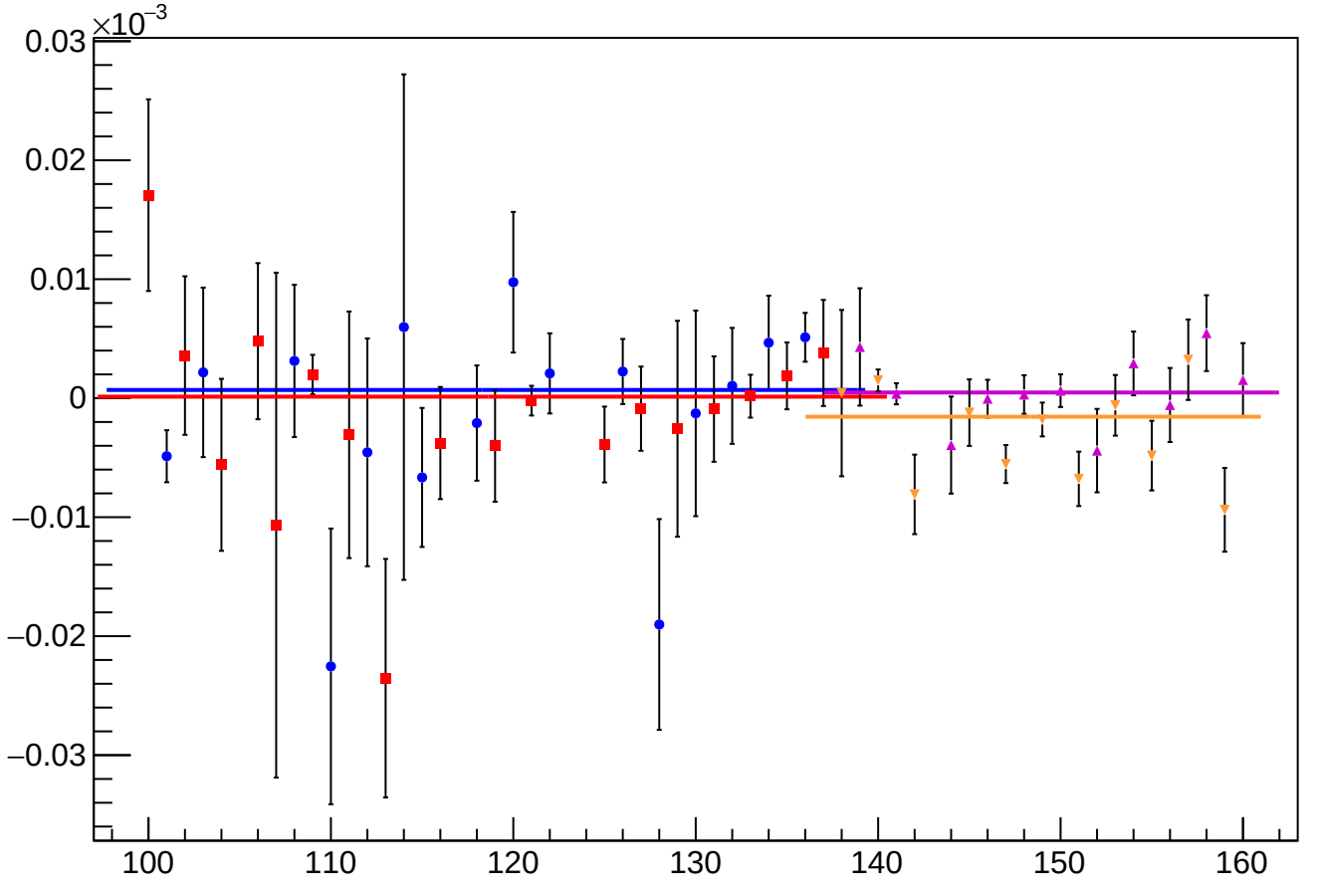
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.222+/-0.008 χ^2/NDF:1751450.9/26

Out: 39.017+/-0.008 χ^2/NDF:1716210.0/28

All: 39.628+/-0.006 χ^2/NDF: 3479467.6/55

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:7.4/10

Left: -0.000+/-0.000 χ^2/NDF: 48.5/21

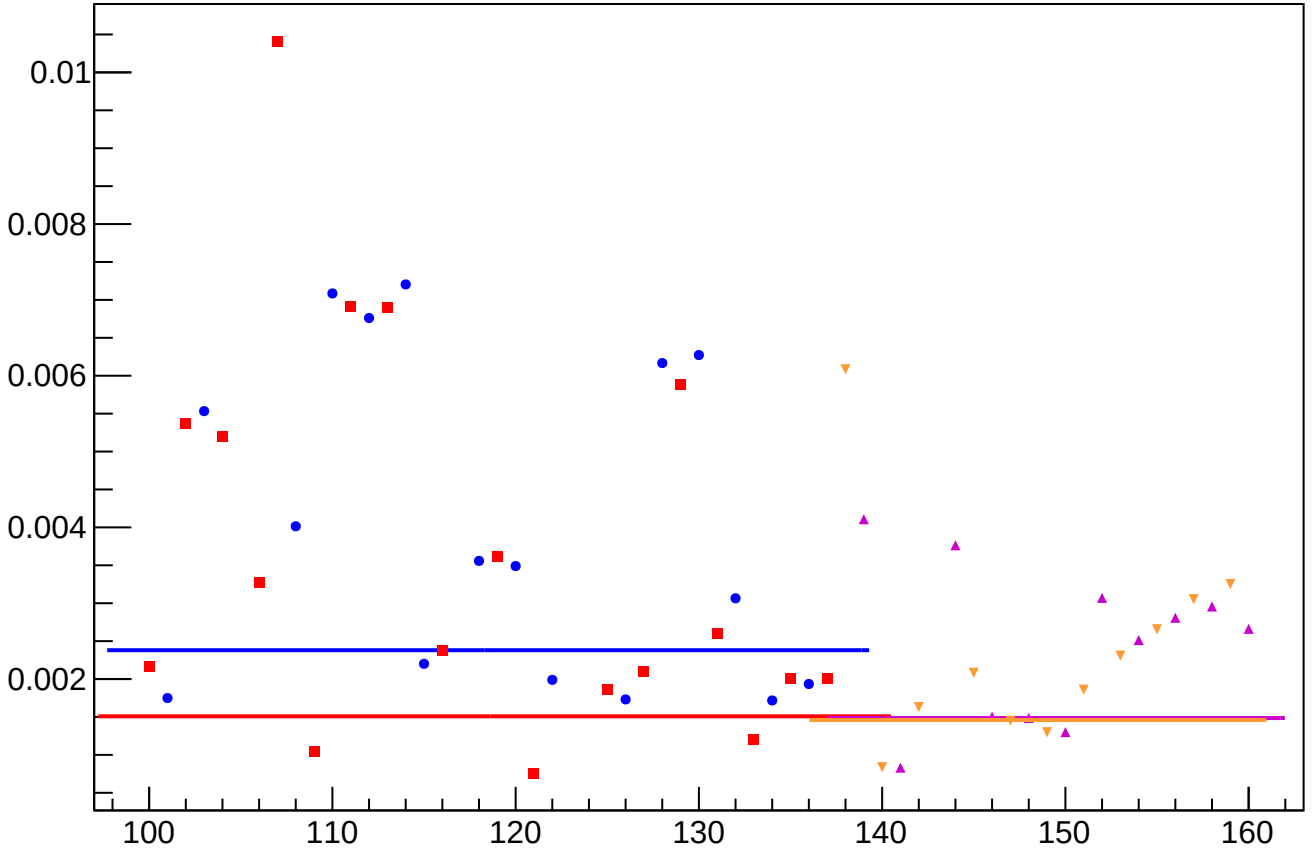
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:33.9/26

Out: -0.000+/-0.000 χ^2/NDF:55.5/28

All: -0.000+/-0.000 χ^2/NDF: 93.9/55

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:4092936.5/10

Left: 0.001+/-0.000 χ^2/NDF: 7599863.6/21

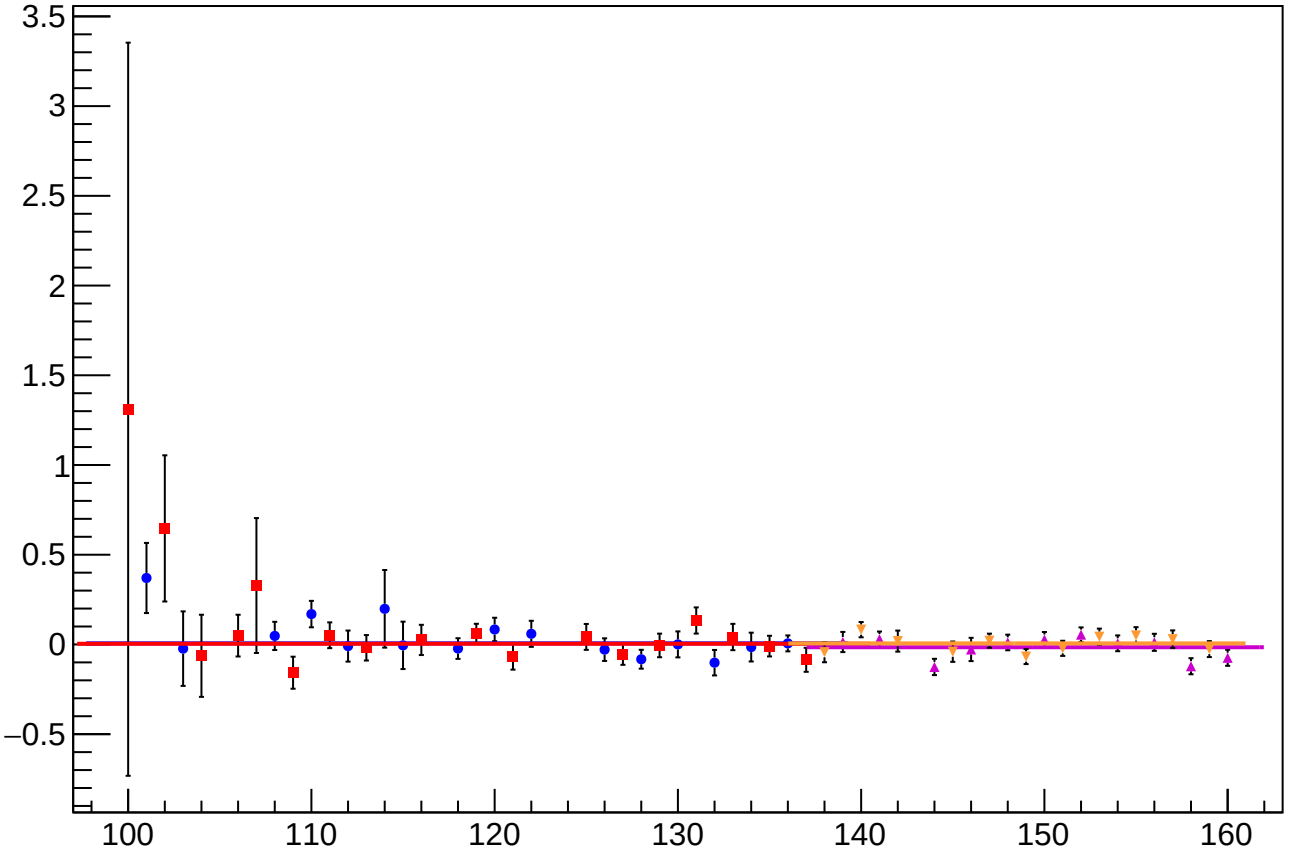
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8113280.1/26

Out: 0.001+/-0.000 χ^2/NDF:8512051.3/28

All: 0.002+/-0.000 χ^2/NDF: 16831494.1/55

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: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.005+/-0.010 χ^2/NDF: 31.5/21

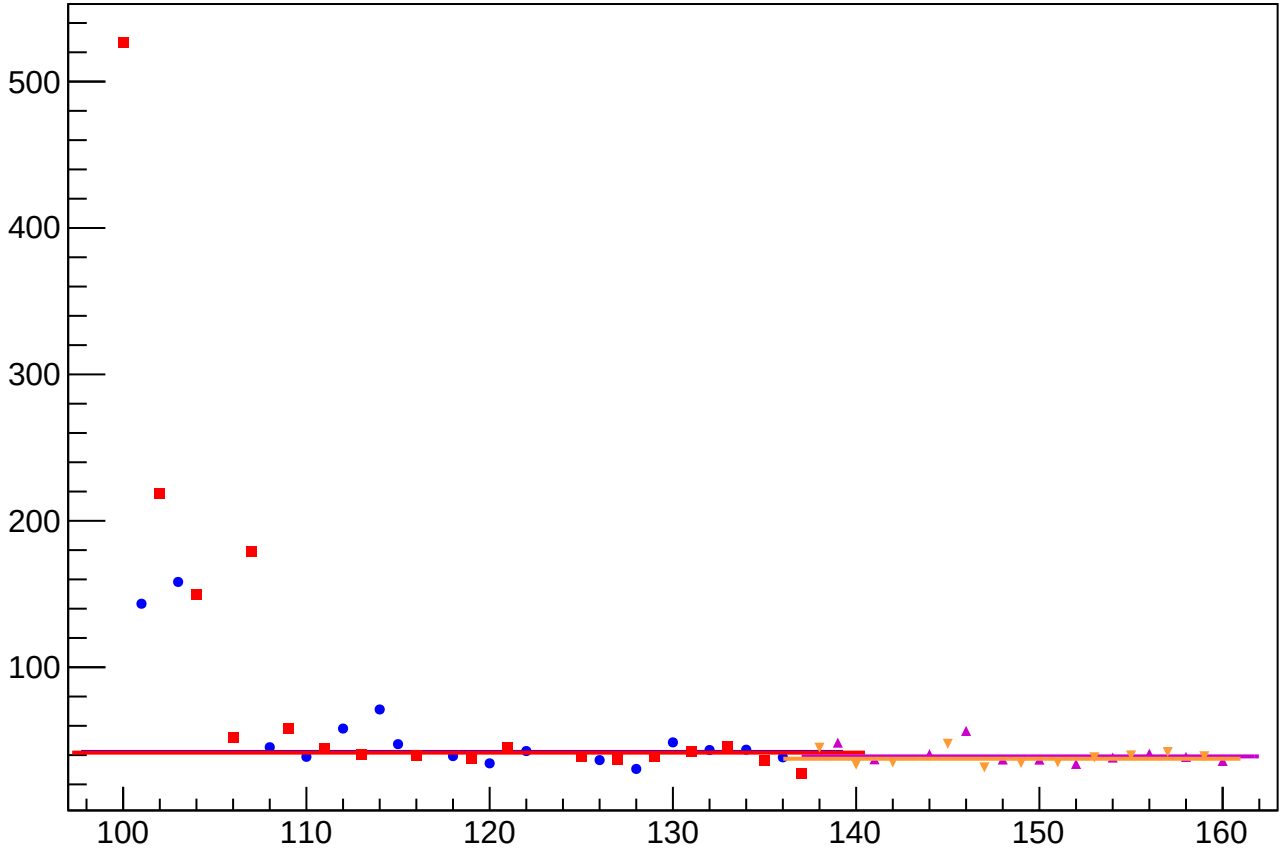
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: -0.001+/-0.008 χ^2/NDF: 65.4/55

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: 39.110+/-0.010 χ^2/NDF:261481.8/10

Left: 38.318+/-0.007 χ^2/NDF: 484974.7/21

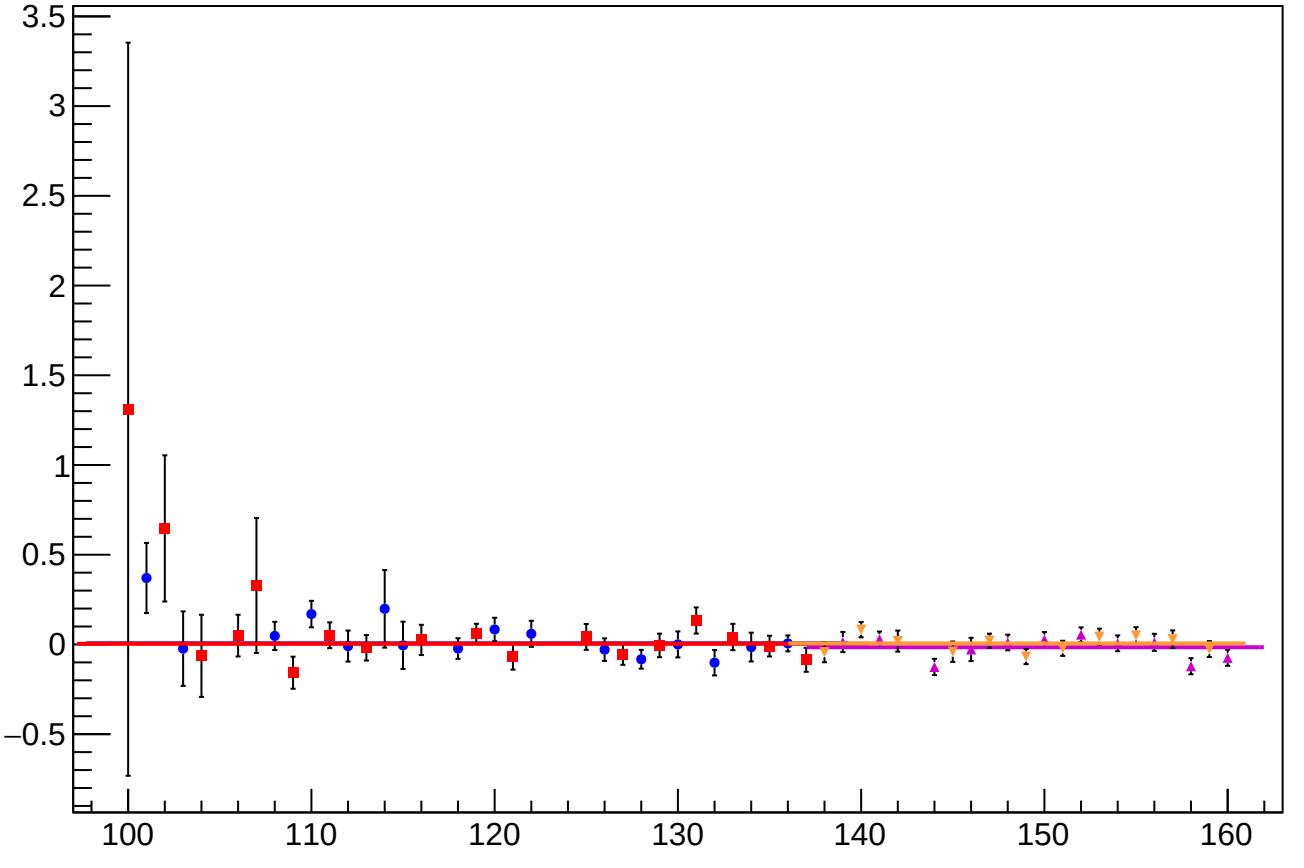
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.221+/-0.008 χ^2/NDF:1751641.9/26

Out: 39.017+/-0.008 χ^2/NDF:1716168.2/28

All: 39.627+/-0.006 χ^2/NDF: 3479594.5/55

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: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.005+/-0.010 χ^2/NDF: 31.5/21

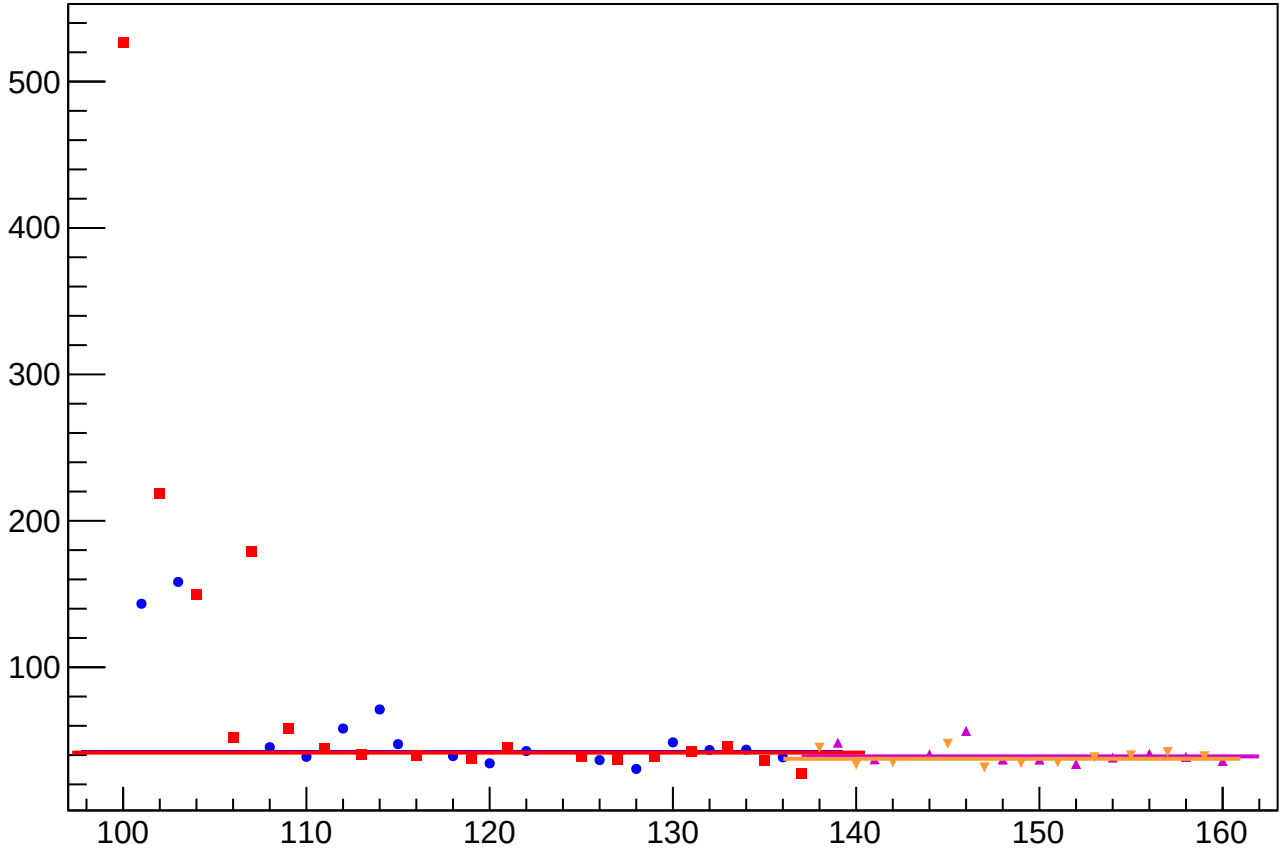
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.005+/-0.011 χ^2/NDF:27.0/28

All: -0.001+/-0.008 χ^2/NDF: 65.4/55

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: 39.110+/-0.010 χ^2/NDF:261481.8/10

Left: 38.318+/-0.007 χ^2/NDF: 484974.7/21

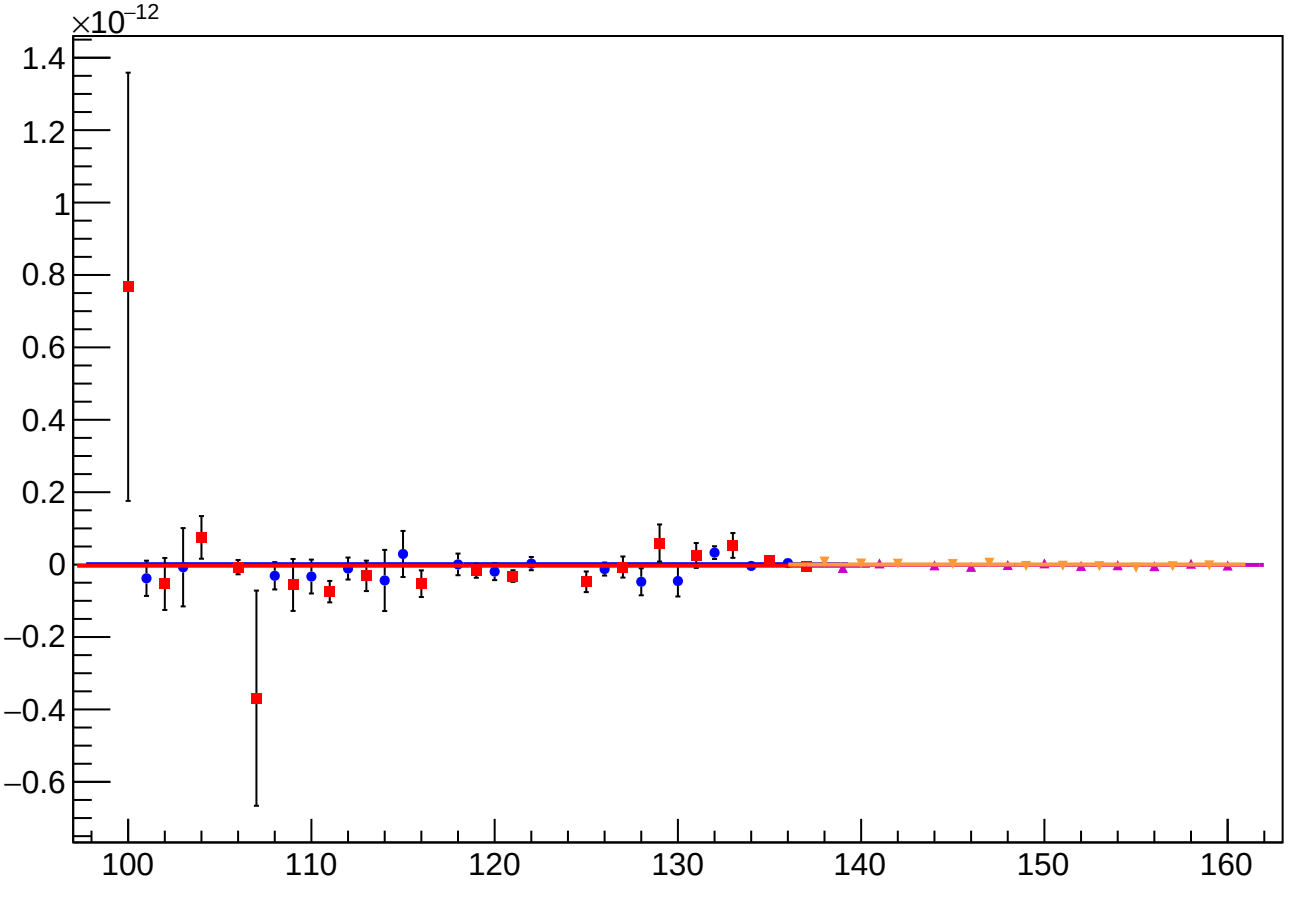
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.221+/-0.008 χ^2/NDF:1751641.9/26

Out: 39.017+/-0.008 χ^2/NDF:1716168.2/28

All: 39.627+/-0.006 χ^2/NDF: 3479594.5/55

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/10

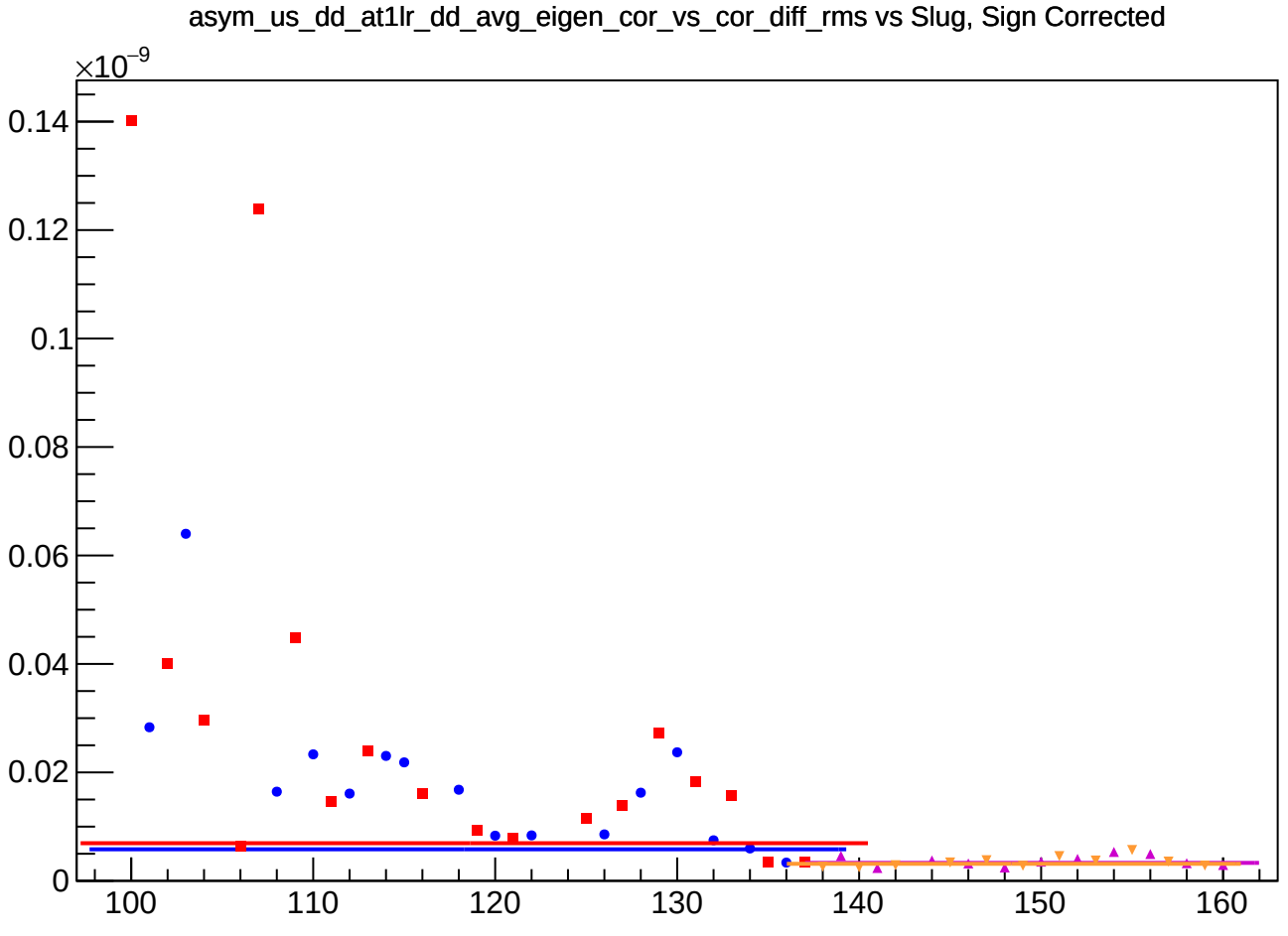
Left: -0.000+/-0.000 χ^2/NDF: 15.1/21

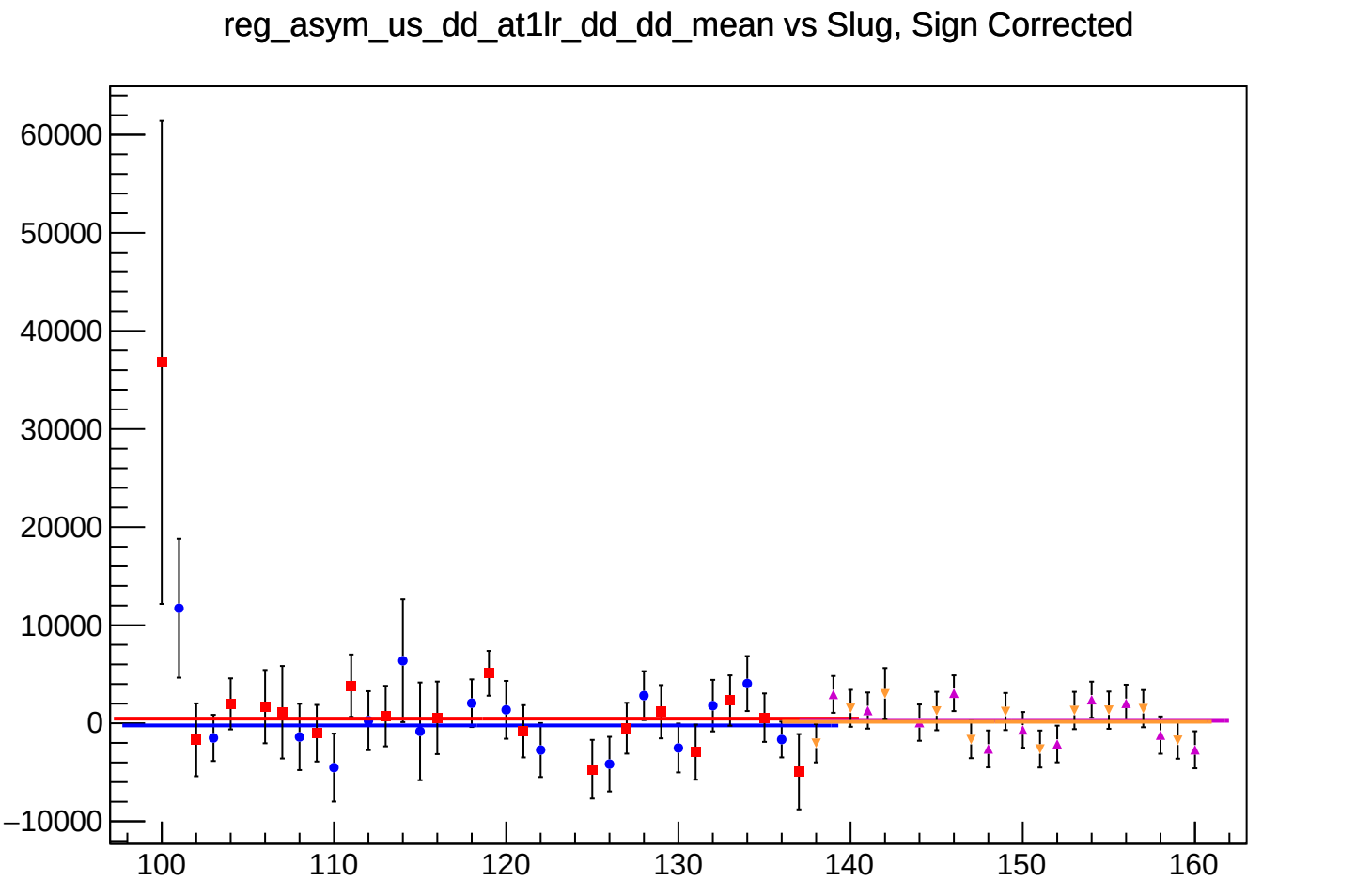
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:17.0/26

Out: -0.000+/-0.000 χ^2/NDF:37.9/28

All: -0.000+/-0.000 χ^2/NDF: 54.9/55


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:640026.1/10
Left: 0.000+/-0.000 χ²/NDF: 1131621.9/21
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4649745.9/26
Out: 0.000+/-0.000 χ²/NDF:5438265.0/28
All: 0.000+/-0.000 χ²/NDF: 10099166.7/55



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: 248.782+/-561.618 χ^2/NDF:14.2/10

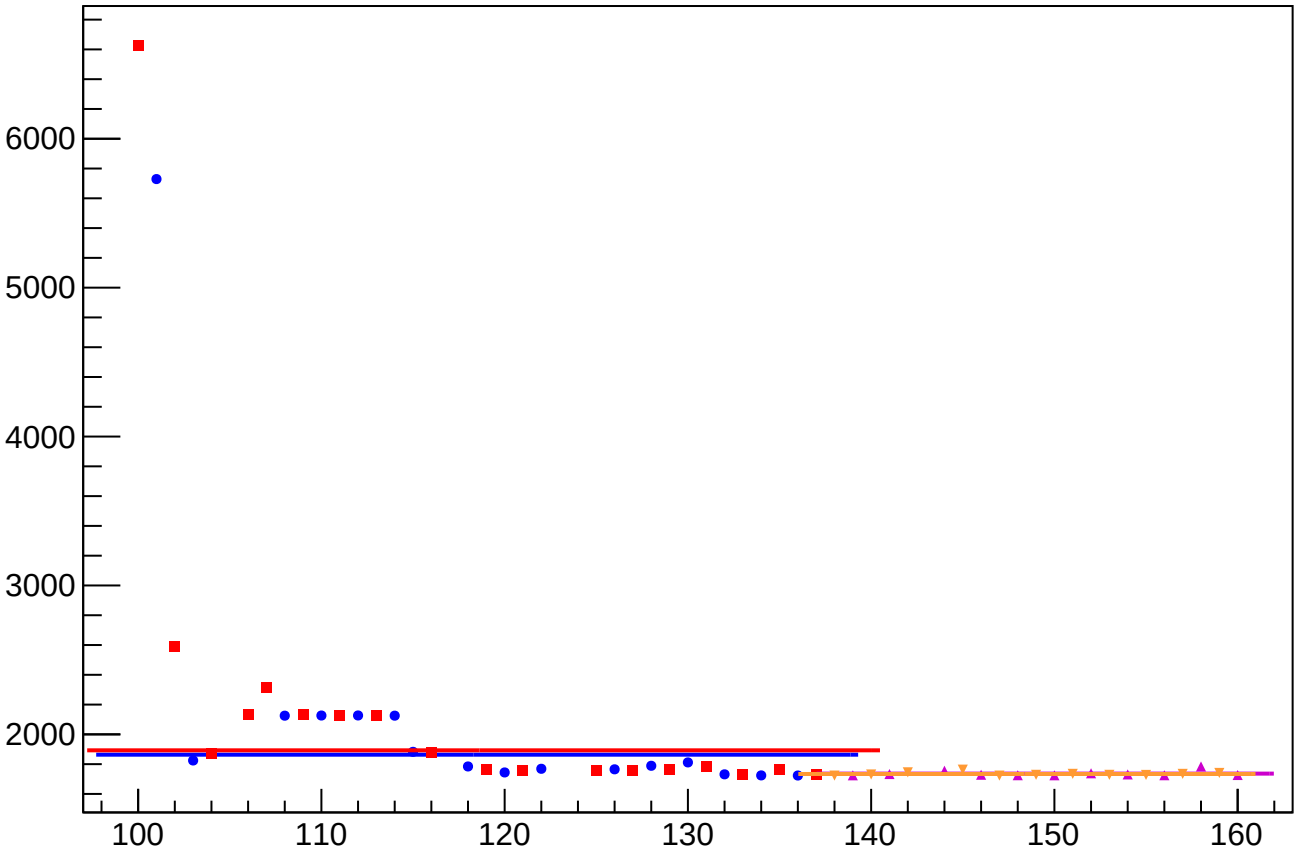
Left: 202.728+/-405.711 χ^2/NDF: 23.2/21

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 66.943+/-440.272 χ^2/NDF:30.3/26

Out: 281.975+/-452.662 χ^2/NDF:24.9/28

All: 171.476+/-315.608 χ^2/NDF: 55.4/55



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.911+/-0.415 χ^2/NDF:697.6/10

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

Left: 1735.206+/-0.287 χ^2/NDF: 2598.5/21

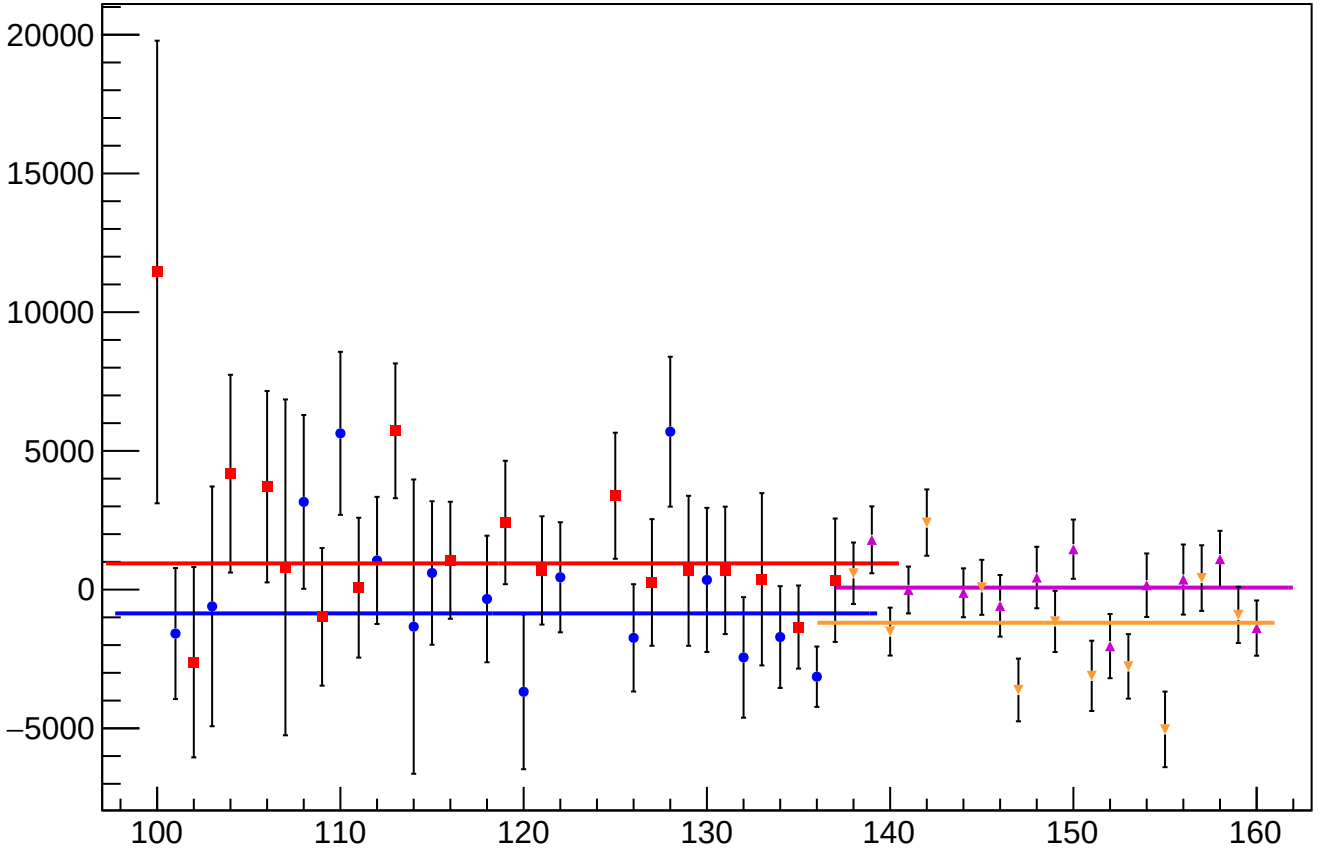
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1785.417+/-0.311 χ^2/NDF:716085.2/26

Out: 1798.254+/-0.320 χ^2/NDF:311630.3/28

All: 1791.657+/-0.223 χ^2/NDF: 1028542.1/55

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1195.122+/-331.985 χ^2/NDF:32.1/10

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 72.174+/-316.335 χ^2/NDF:10.8/10

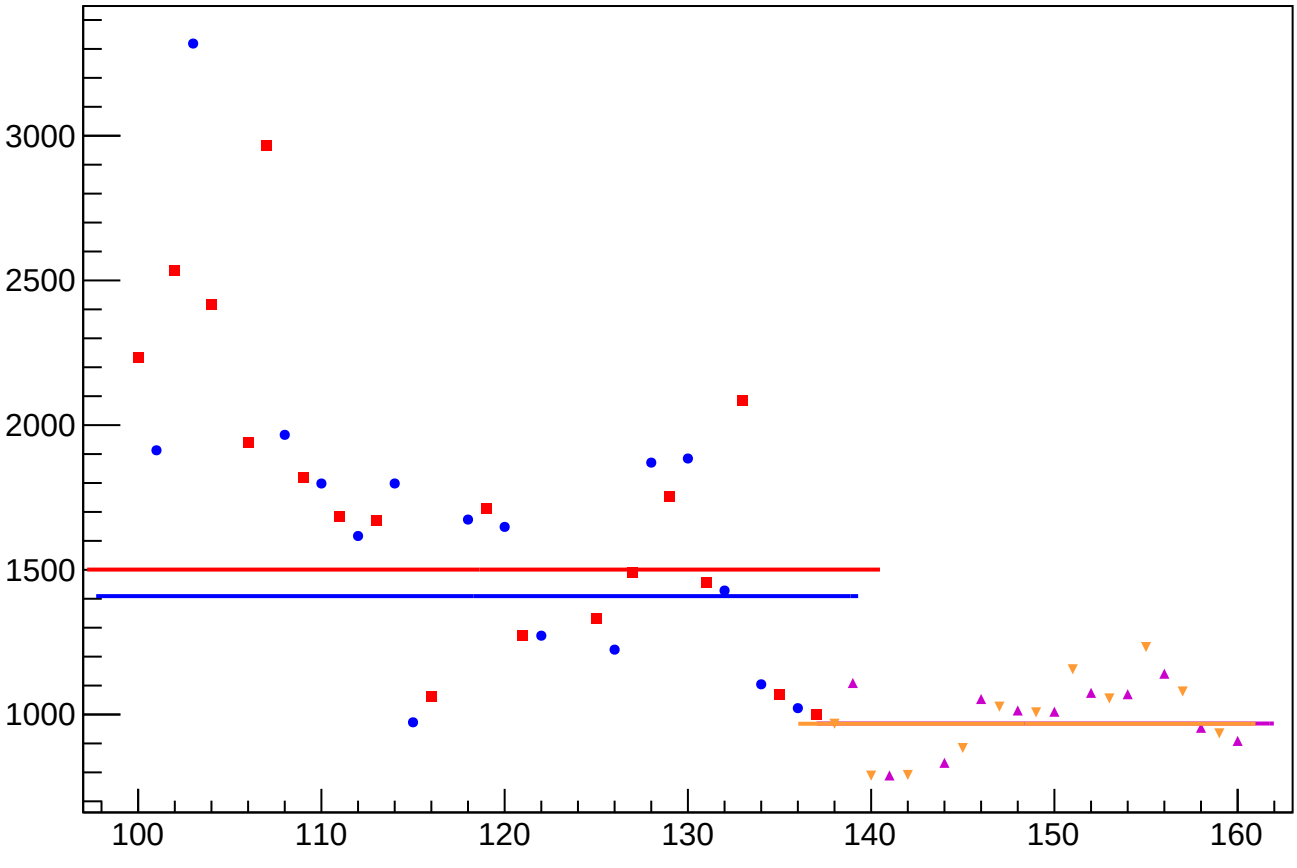
Left: -530.900+/-229.015 χ^2/NDF: 50.5/21

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -158.999+/-274.188 χ^2/NDF:33.5/26

Out: -672.464+/-288.607 χ^2/NDF:55.2/28

All: -402.585+/-198.782 χ^2/NDF: 90.4/55



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: 968.920+/-0.224 χ^2/NDF:259965.7/10

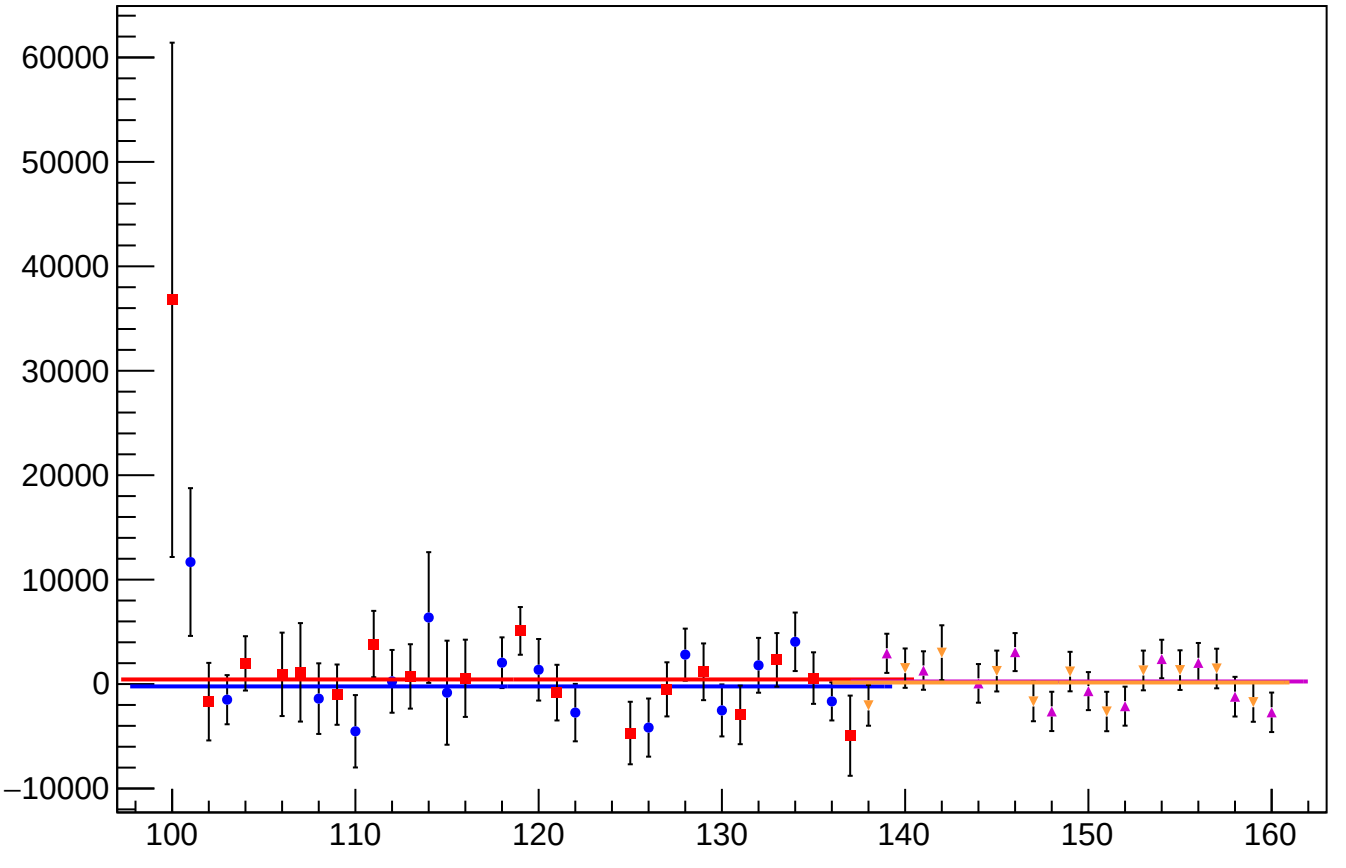
Left: 968.548+/-0.162 χ^2/NDF: 563371.5/21

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1078.399+/-0.194 χ^2/NDF:2390814.5/26

Out: 1098.242+/-0.204 χ^2/NDF:2591747.1/28

All: 1087.812+/-0.141 χ^2/NDF: 4987530.8/55



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: 248.756+/-561.618 χ^2/NDF:14.2/10

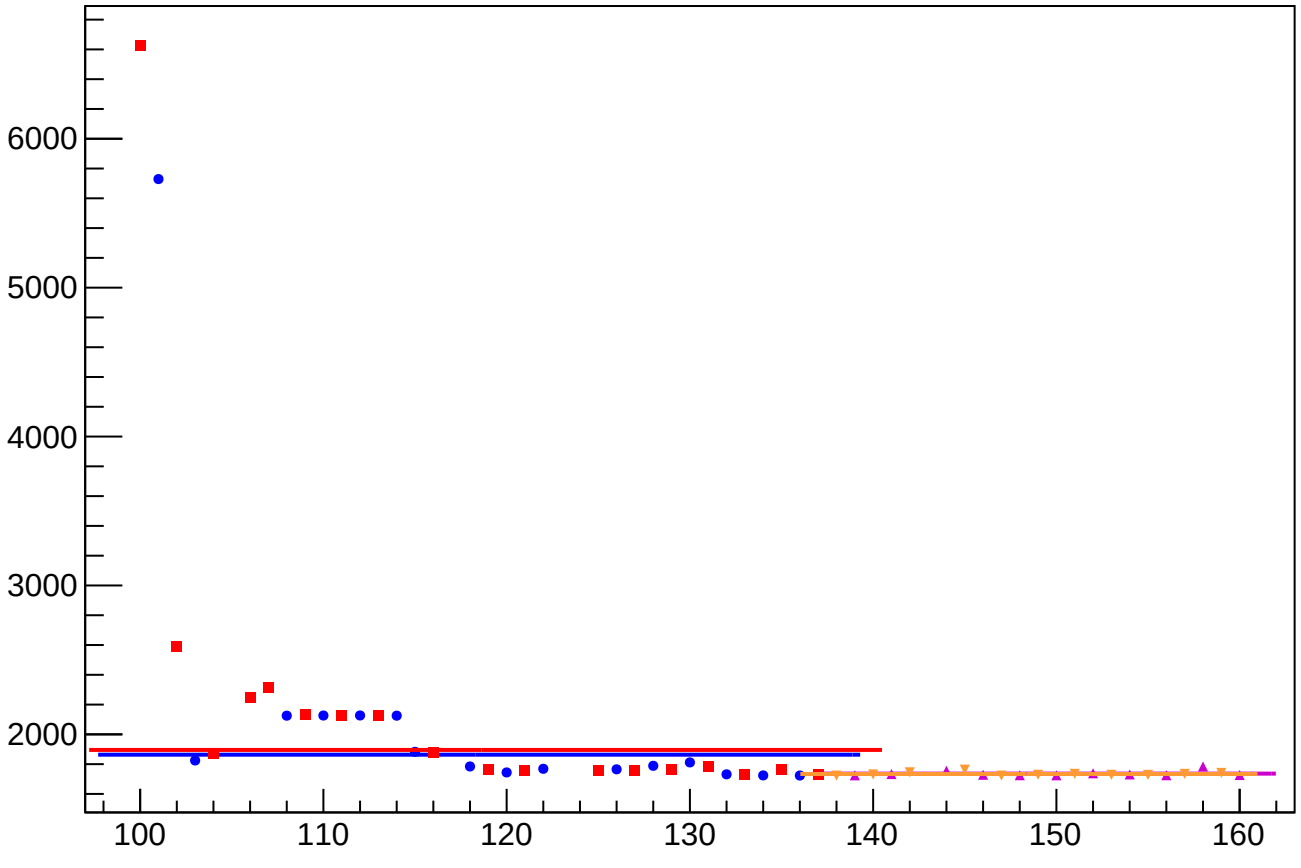
Left: 202.774+/-405.711 χ^2/NDF: 23.2/21

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 66.629+/-440.272 χ^2/NDF:30.3/26

Out: 269.834+/-453.079 χ^2/NDF:24.8/28

All: 165.319+/-315.750 χ^2/NDF: 55.2/55



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: 1736.392+/-0.397 χ^2/NDF:1882.2/10

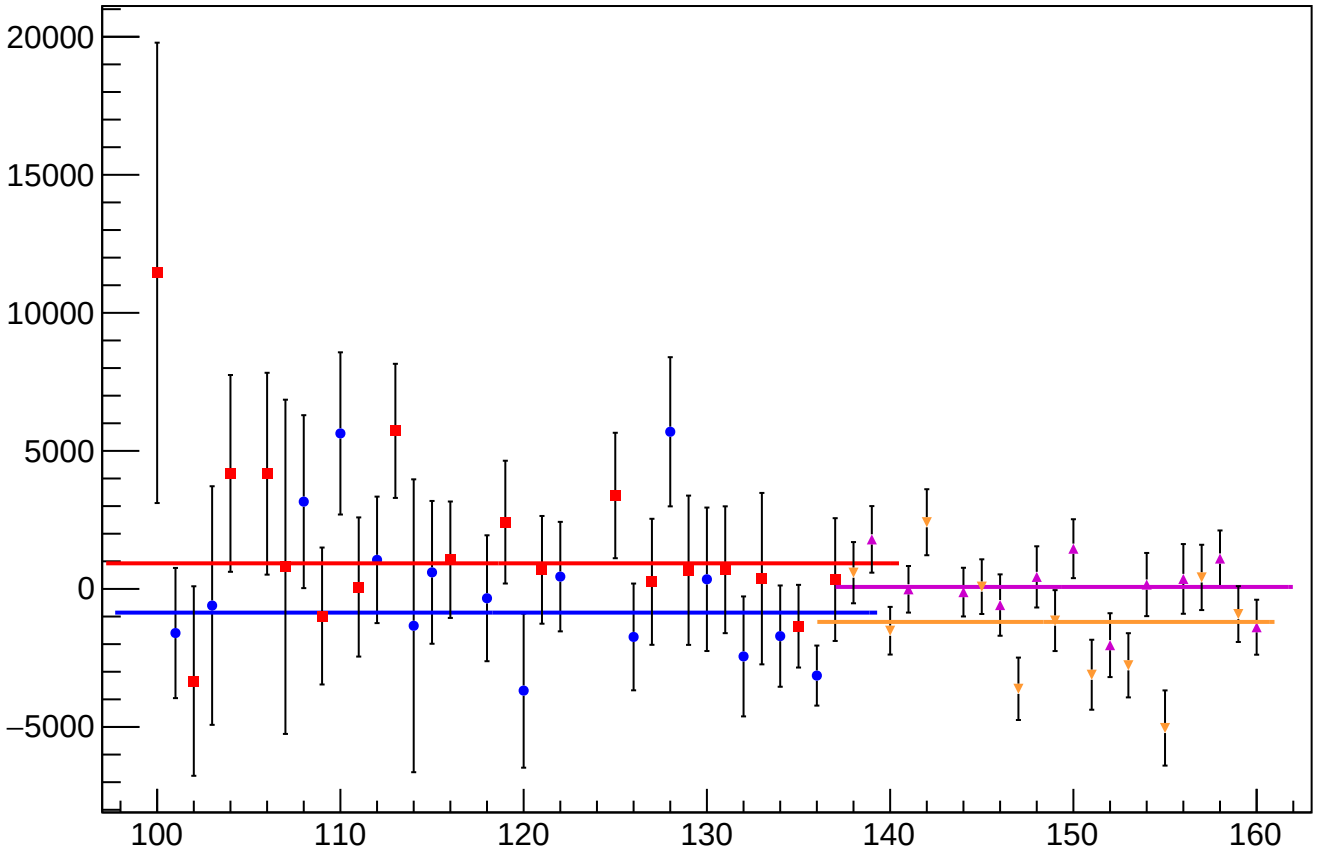
Left: 1735.206+/-0.287 χ^2/NDF: 2598.5/21

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1785.417+/-0.311 χ^2/NDF:716085.1/26

Out: 1799.139+/-0.320 χ^2/NDF:321101.9/28

All: 1792.081+/-0.223 χ^2/NDF: 1038130.6/55



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: 72.183+/-316.333 χ^2/NDF:10.8/10

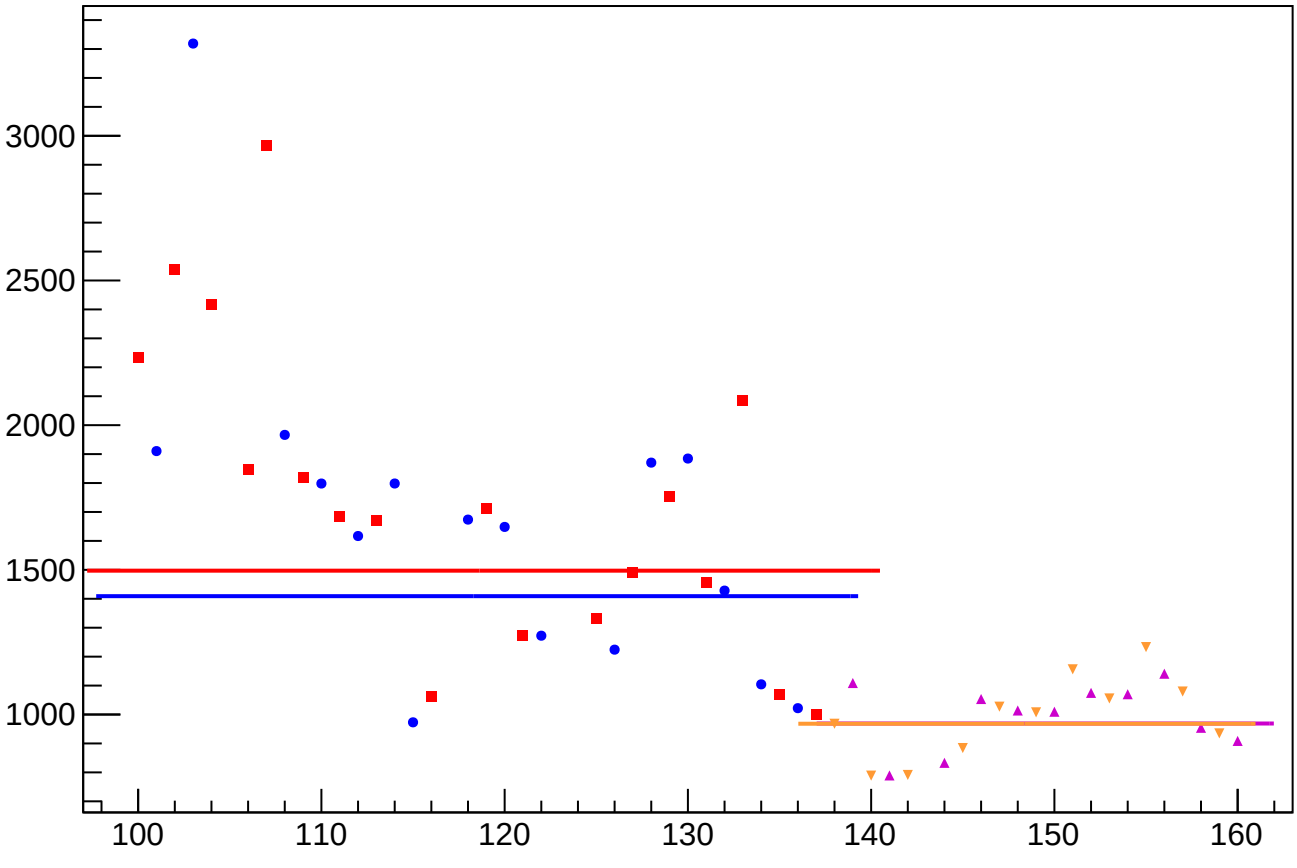
Left: -530.858+/-229.015 χ^2/NDF: 50.5/21

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -159.222+/-274.182 χ^2/NDF:33.6/26

Out: -677.921+/-288.718 χ^2/NDF:55.6/28

All: -405.186+/-198.816 χ^2/NDF: 90.8/55



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: 968.915+/-0.224 χ^2/NDF:259984.0/10

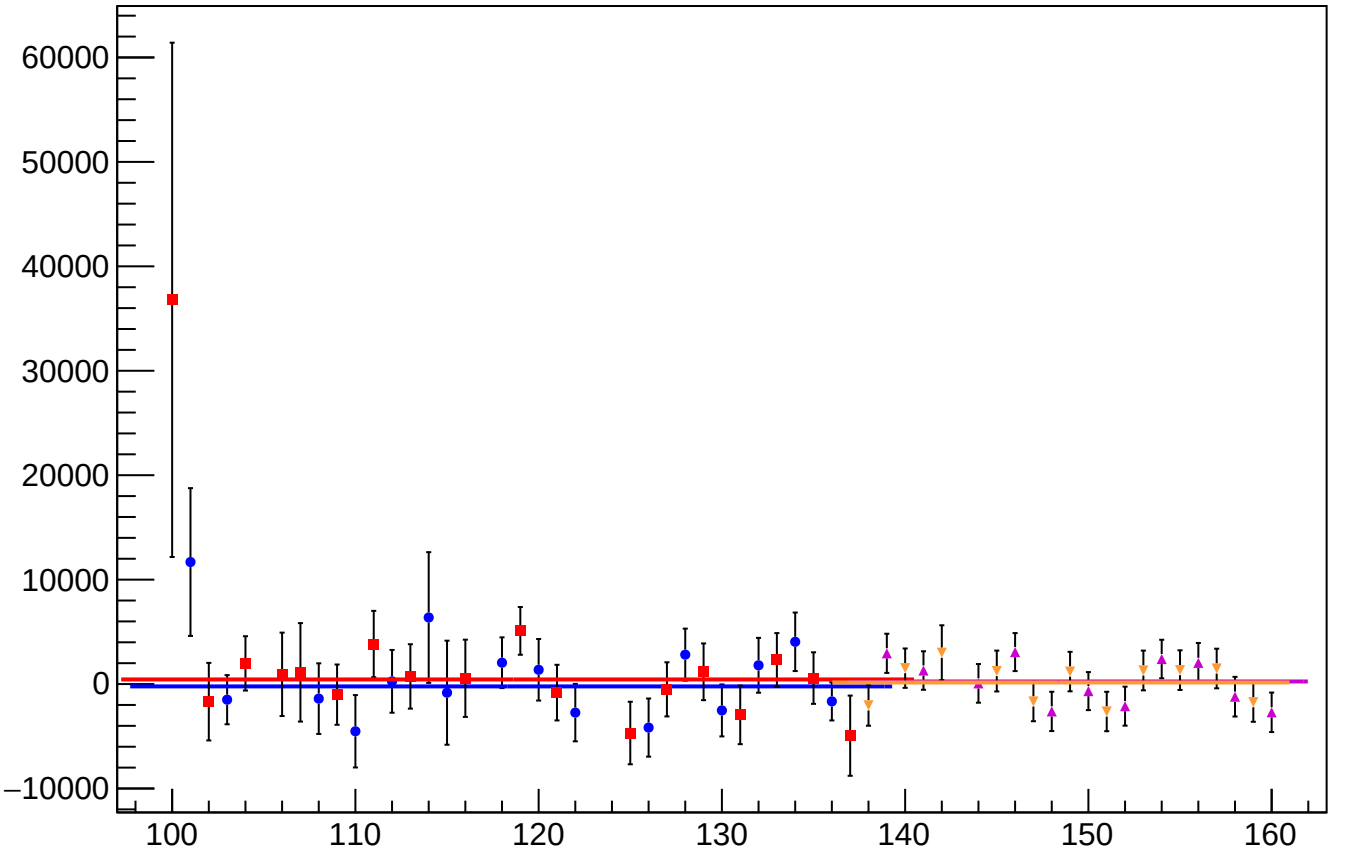
Left: 968.546+/-0.162 χ^2/NDF: 563356.6/21

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1078.388+/-0.194 χ^2/NDF:2389990.0/26

Out: 1097.043+/-0.204 χ^2/NDF:2558933.3/28

All: 1087.234+/-0.141 χ^2/NDF: 4953314.0/55



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: 248.756+/-561.618 χ^2/NDF:14.2/10

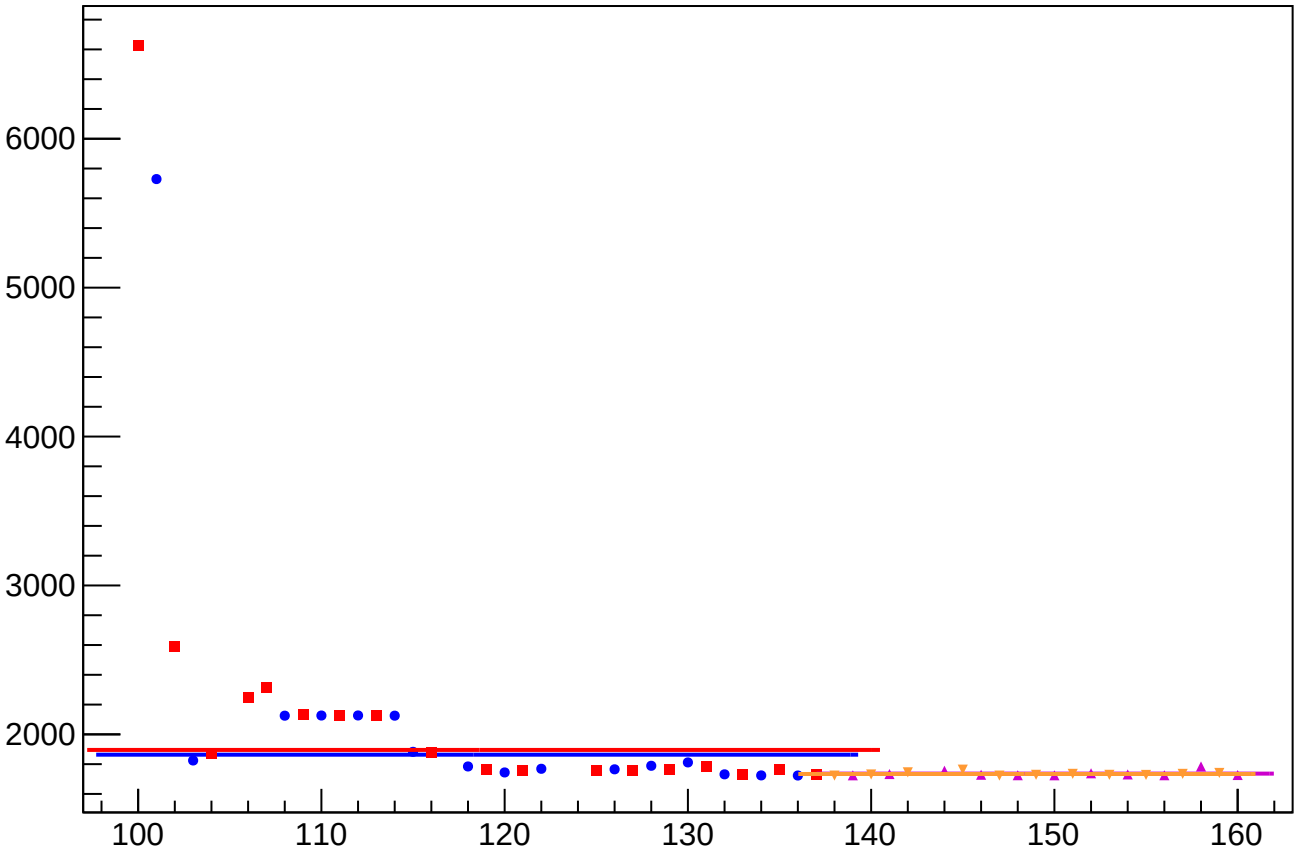
Left: 202.774+/-405.711 χ^2/NDF: 23.2/21

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 66.629+/-440.272 χ^2/NDF:30.3/26

Out: 269.834+/-453.079 χ^2/NDF:24.8/28

All: 165.319+/-315.750 χ^2/NDF: 55.2/55



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: 1736.392+/-0.397 χ^2/NDF:1882.2/10

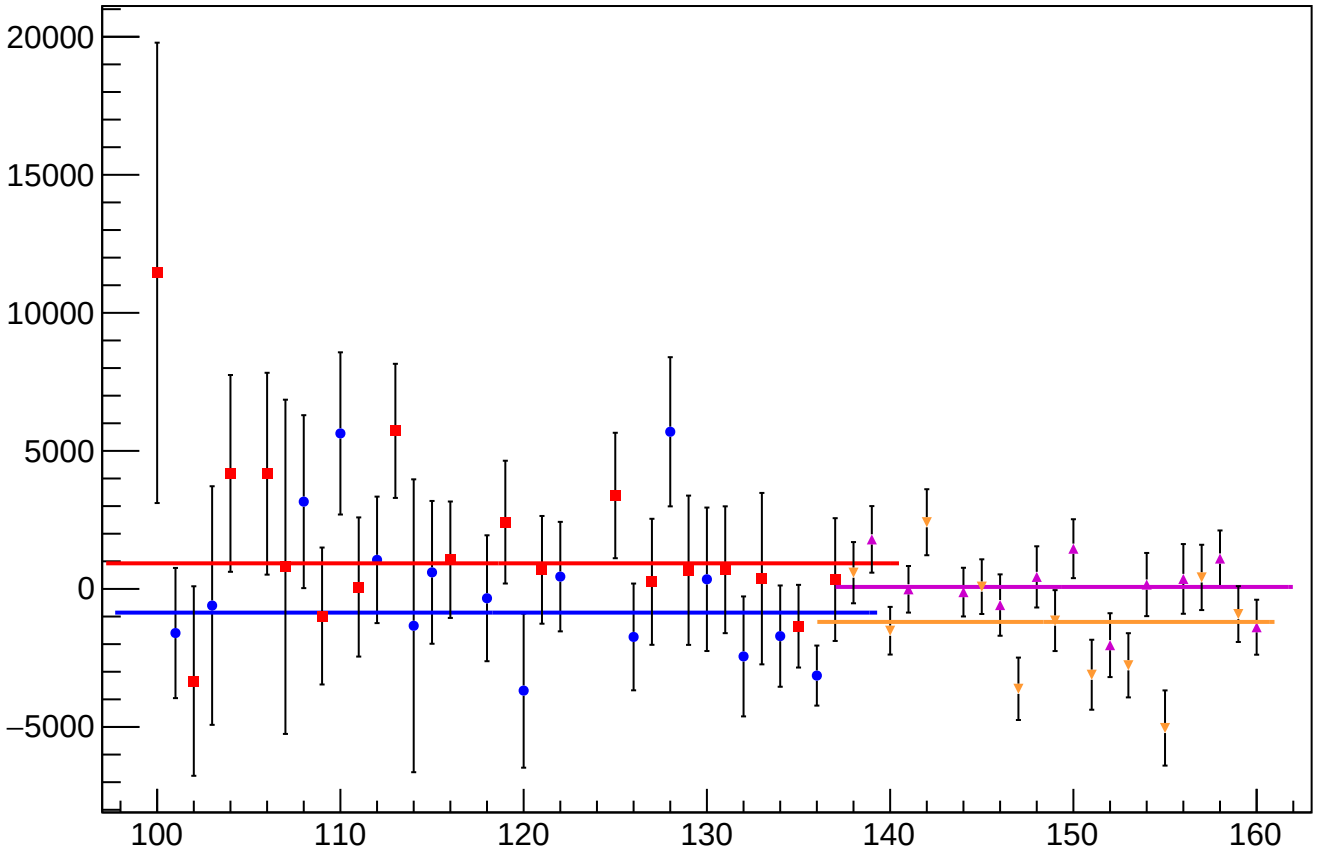
Left: 1735.206+/-0.287 χ^2/NDF: 2598.5/21

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1785.417+/-0.311 χ^2/NDF:716085.1/26

Out: 1799.139+/-0.320 χ^2/NDF:321101.9/28

All: 1792.081+/-0.223 χ^2/NDF: 1038130.6/55



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: 72.183+/-316.333 χ^2/NDF:10.8/10

Left: -530.858+/-229.015 χ^2/NDF: 50.5/21

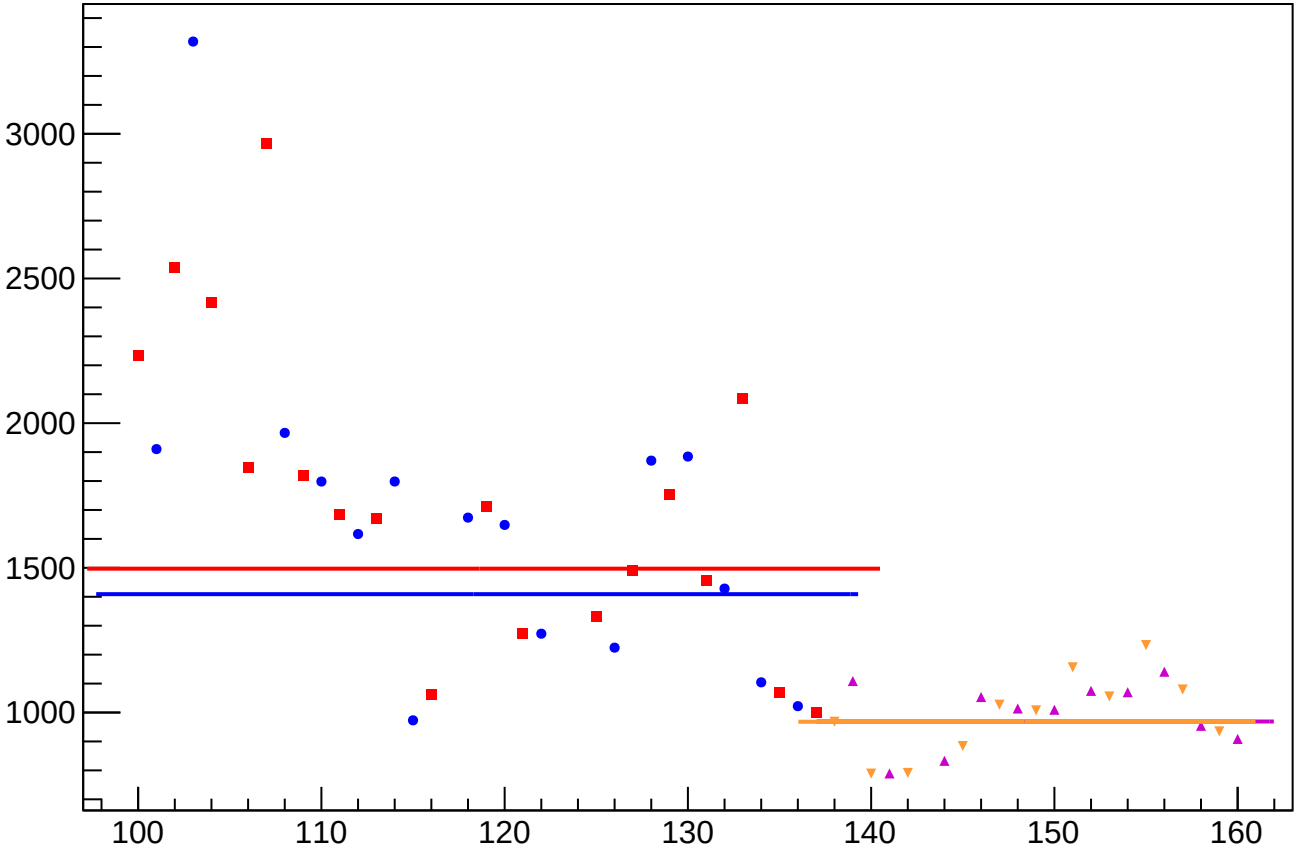
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -159.222+/-274.182 χ^2/NDF:33.6/26

Out: -677.921+/-288.718 χ^2/NDF:55.6/28

All: -405.186+/-198.816 χ^2/NDF: 90.8/55

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 968.915+/-0.224 χ^2/NDF:259984.0/10

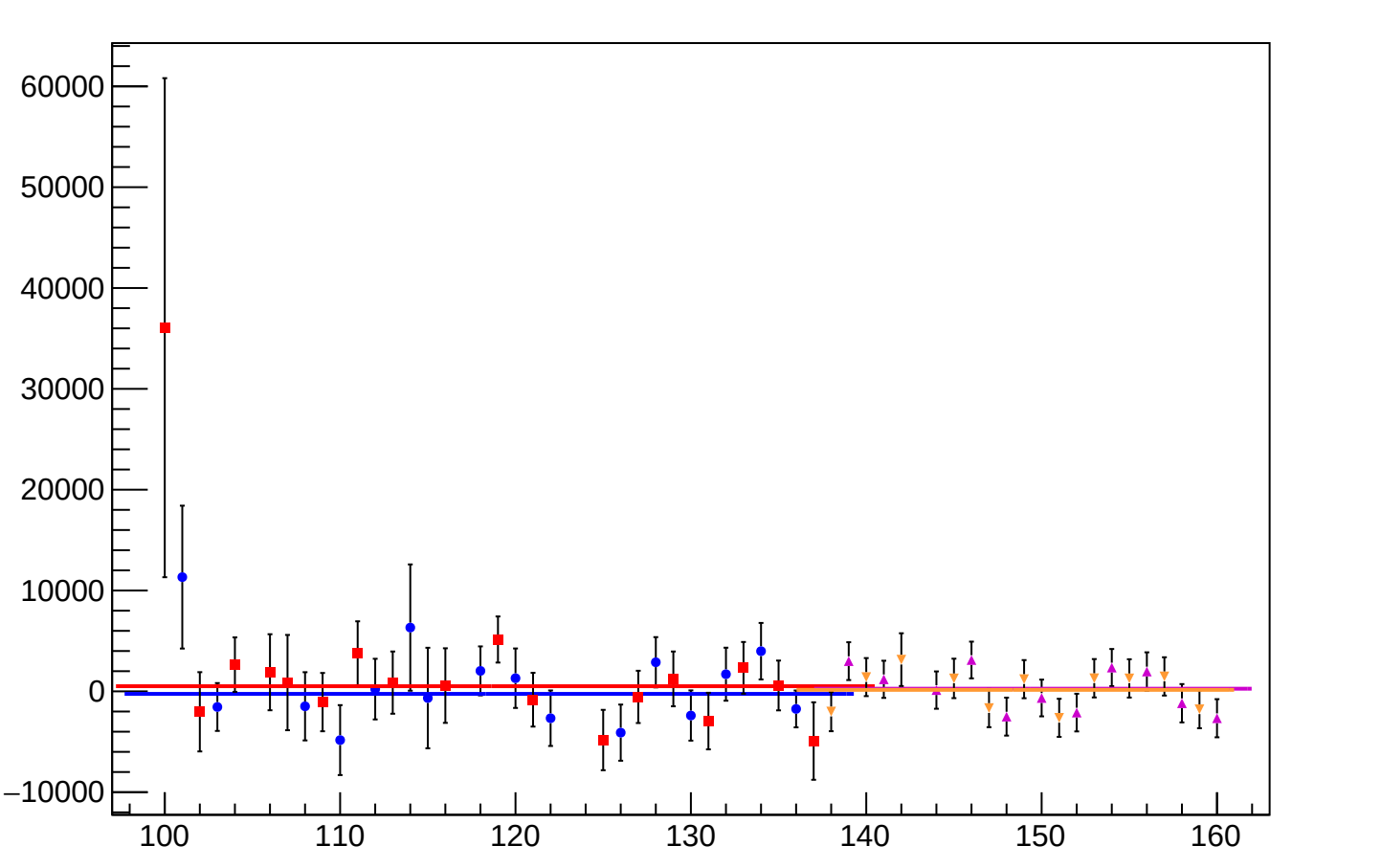
Left: 968.546+/-0.162 χ^2/NDF: 563356.6/21

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1078.388+/-0.194 χ^2/NDF:2389990.0/26

Out: 1097.043+/-0.204 χ^2/NDF:2558933.3/28

All: 1087.234+/-0.141 χ^2/NDF: 4953314.0/55



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: 262.335+/-561.881 χ^2/NDF:13.9/10

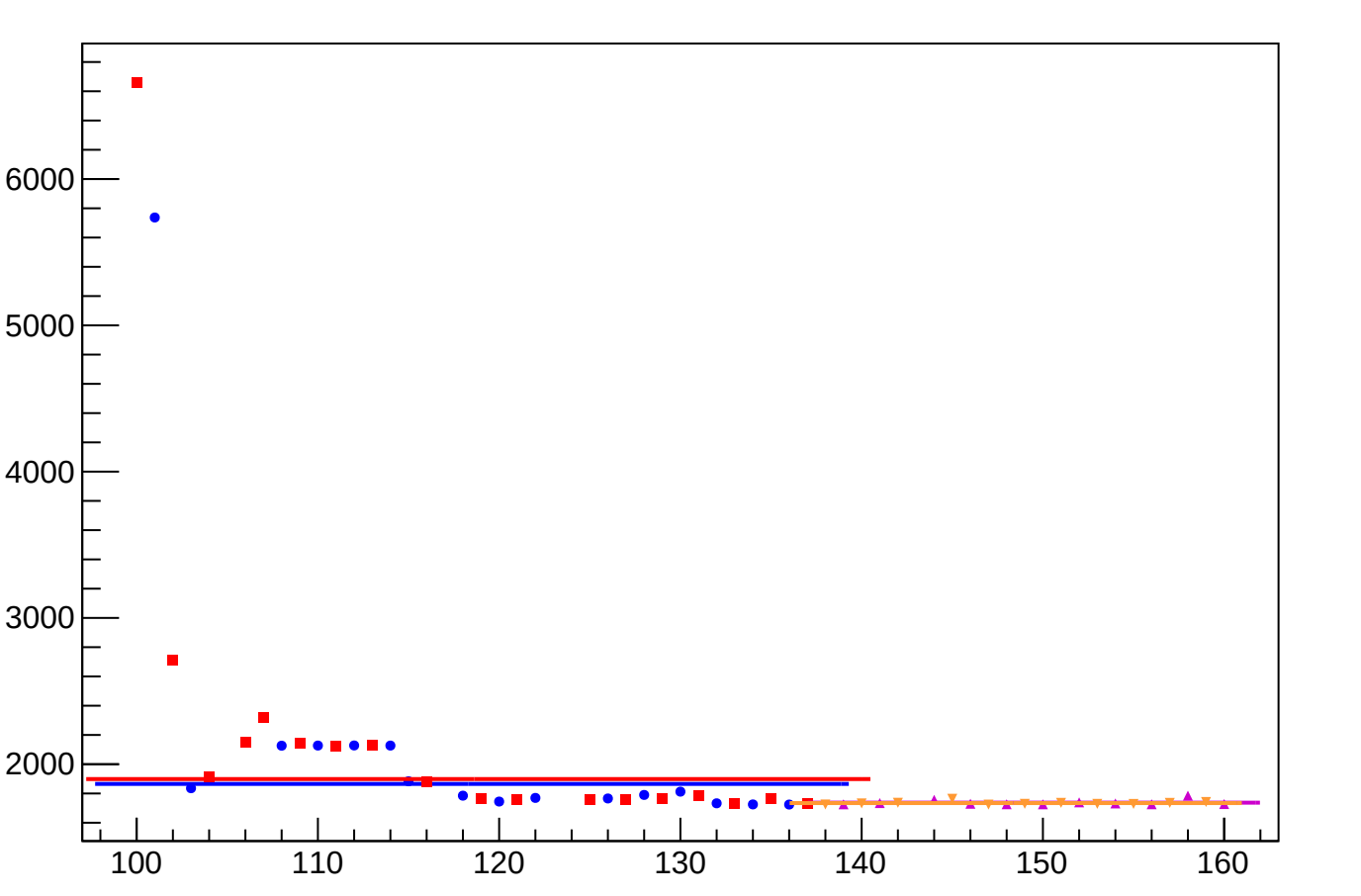
Left: 207.970+/-405.870 χ^2/NDF: 22.9/21

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 64.245+/-440.595 χ^2/NDF:29.9/26

Out: 294.056+/-453.761 χ^2/NDF:25.5/28

All: 175.768+/-316.100 χ^2/NDF: 55.5/55



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: 1737.206+/-0.397 χ^2/NDF:1879.0/10

Left: 1735.858+/-0.287 χ^2/NDF: 2554.0/21

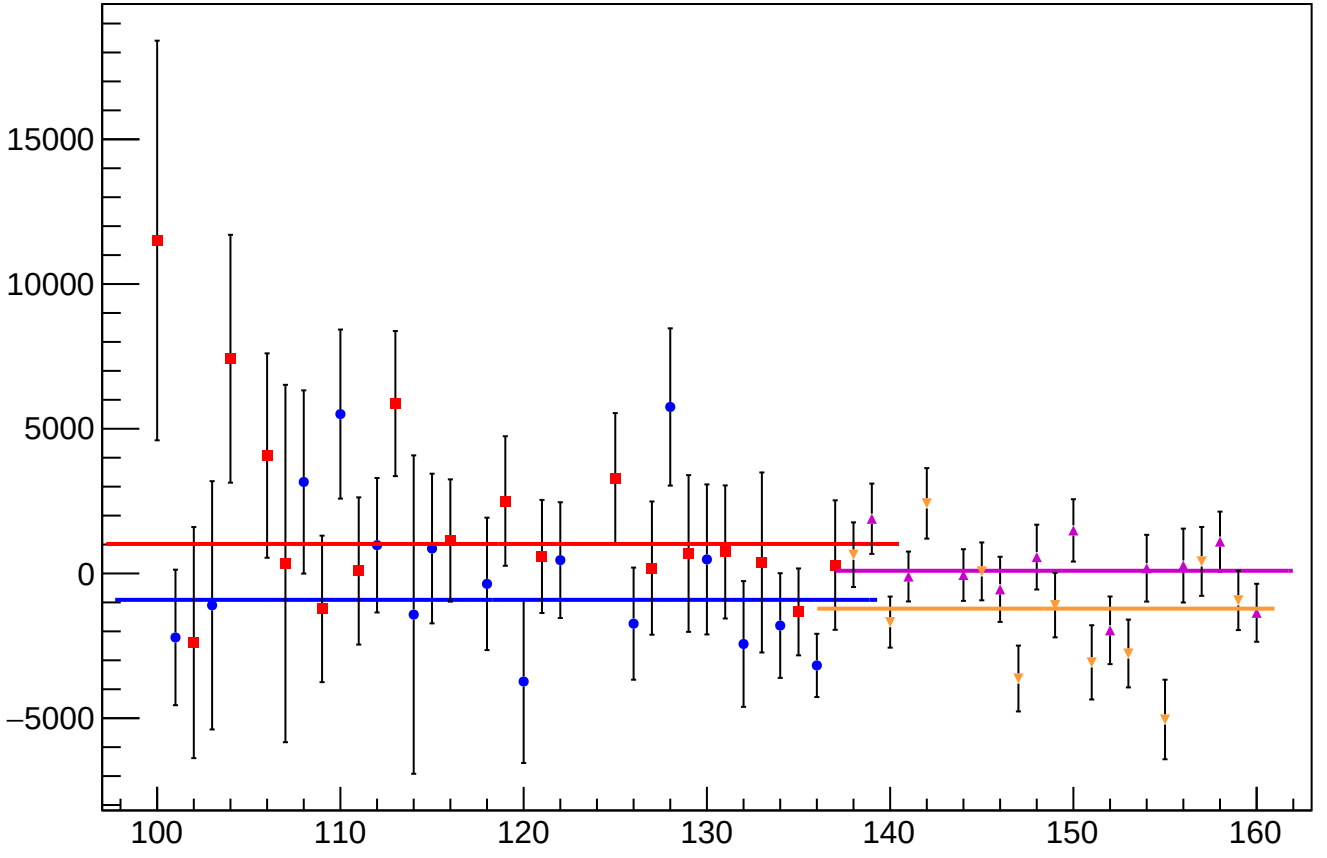
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1786.591+/-0.312 χ^2/NDF:716987.0/26

Out: 1800.445+/-0.321 χ^2/NDF:332744.1/28

All: 1793.314+/-0.224 χ^2/NDF: 1050690.6/55

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: 93.629+/-320.101 χ^2/NDF:10.6/10

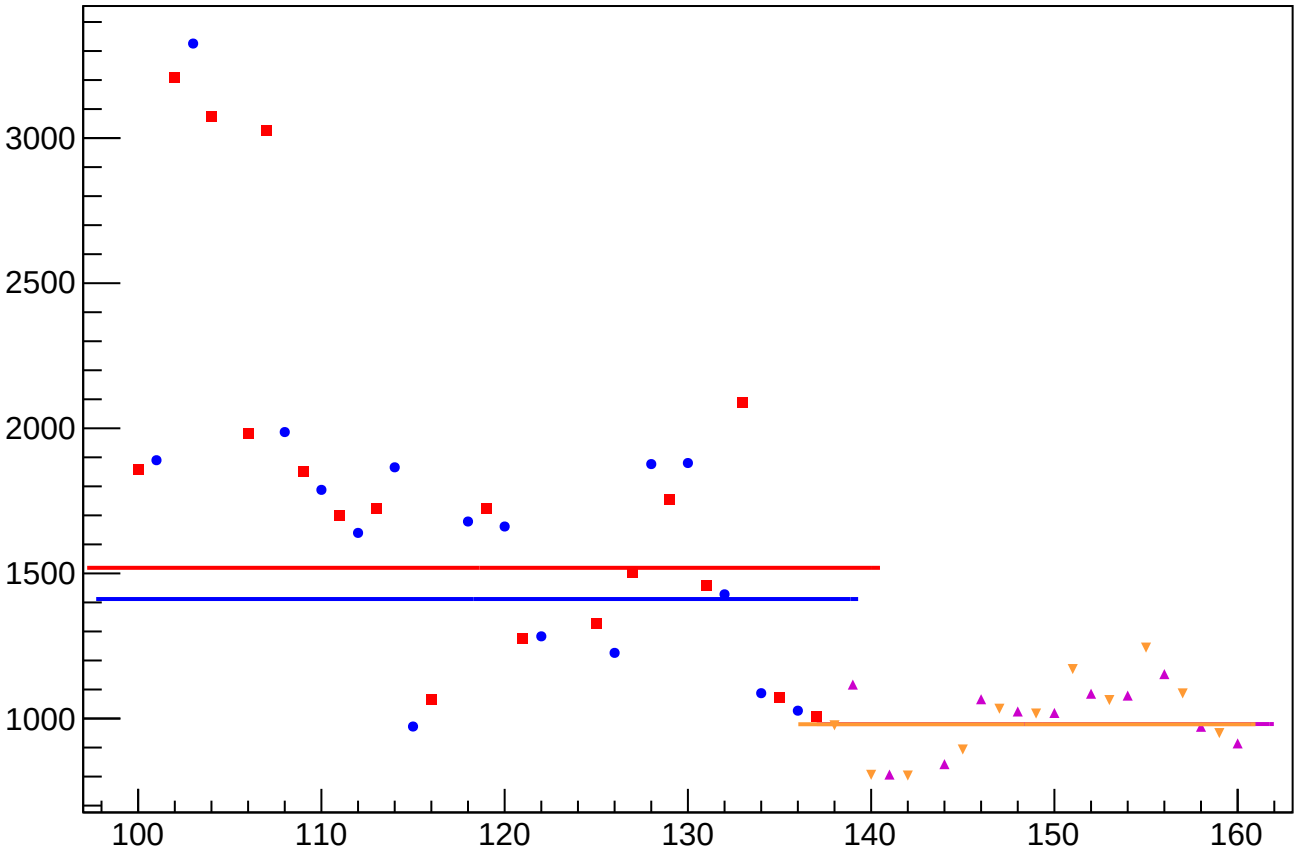
Left: -528.897+/-231.746 χ^2/NDF: 50.3/21

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -159.976+/-276.763 χ^2/NDF:34.1/26

Out: -669.679+/-292.133 χ^2/NDF:57.4/28

All: -401.067+/-200.915 χ^2/NDF: 93.2/55



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: 981.001+/-0.226 χ^2/NDF:247583.3/10

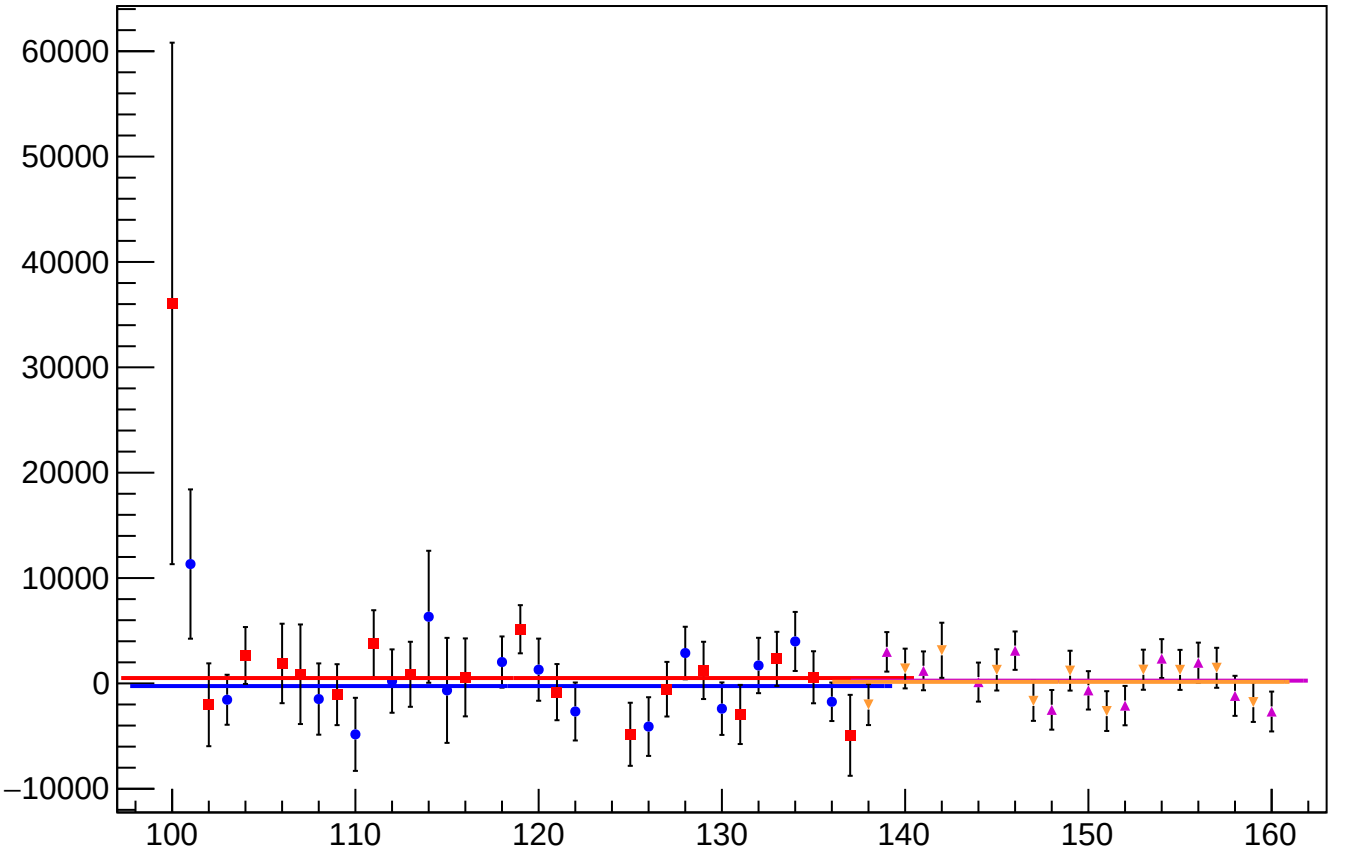
Left: 980.671+/-0.164 χ^2/NDF: 535149.9/21

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1089.742+/-0.196 χ^2/NDF:2339592.2/26

Out: 1111.736+/-0.207 χ^2/NDF:2903047.2/28

All: 1100.145+/-0.142 χ^2/NDF: 5248613.8/55



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: 262.336+/-561.881 χ^2/NDF:13.9/10

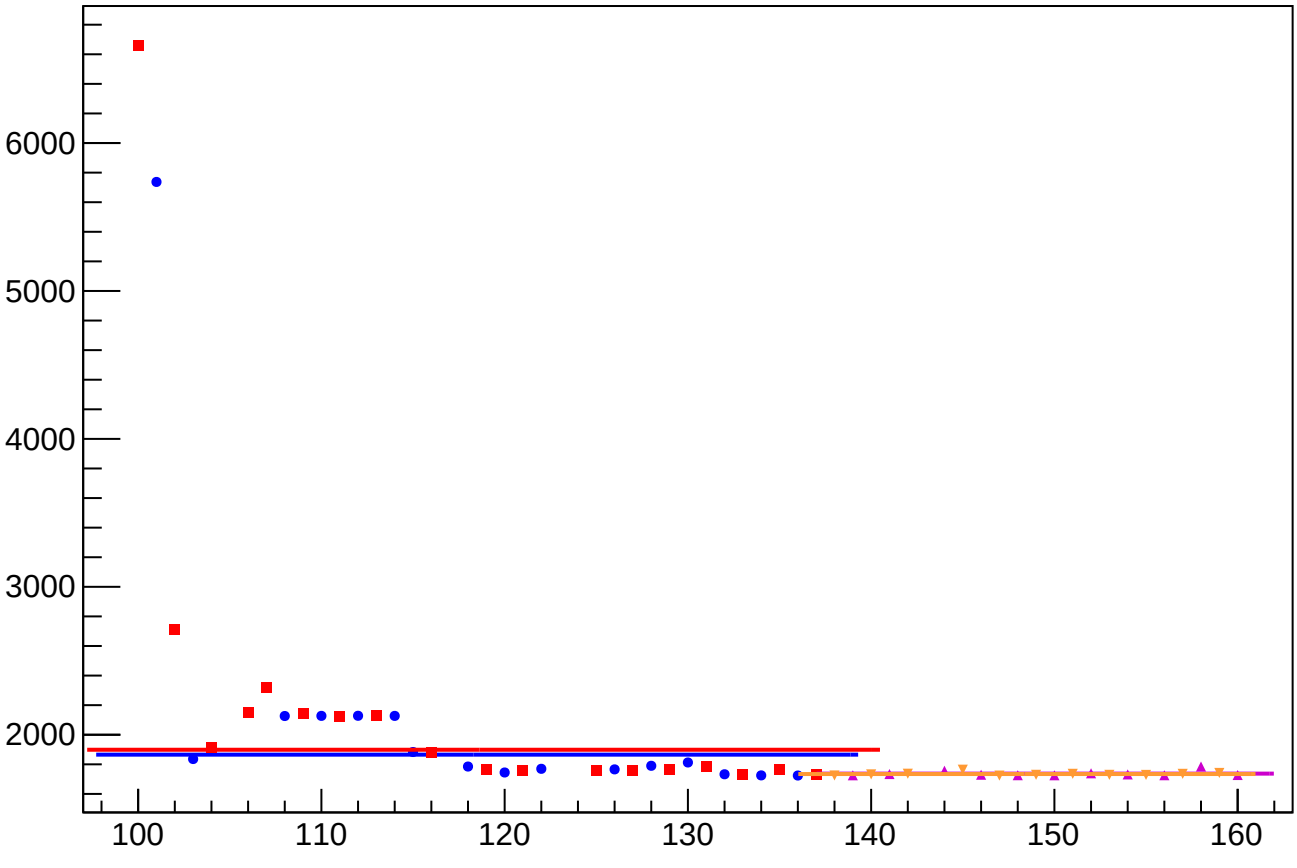
Left: 207.970+/-405.870 χ^2/NDF: 22.9/21

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

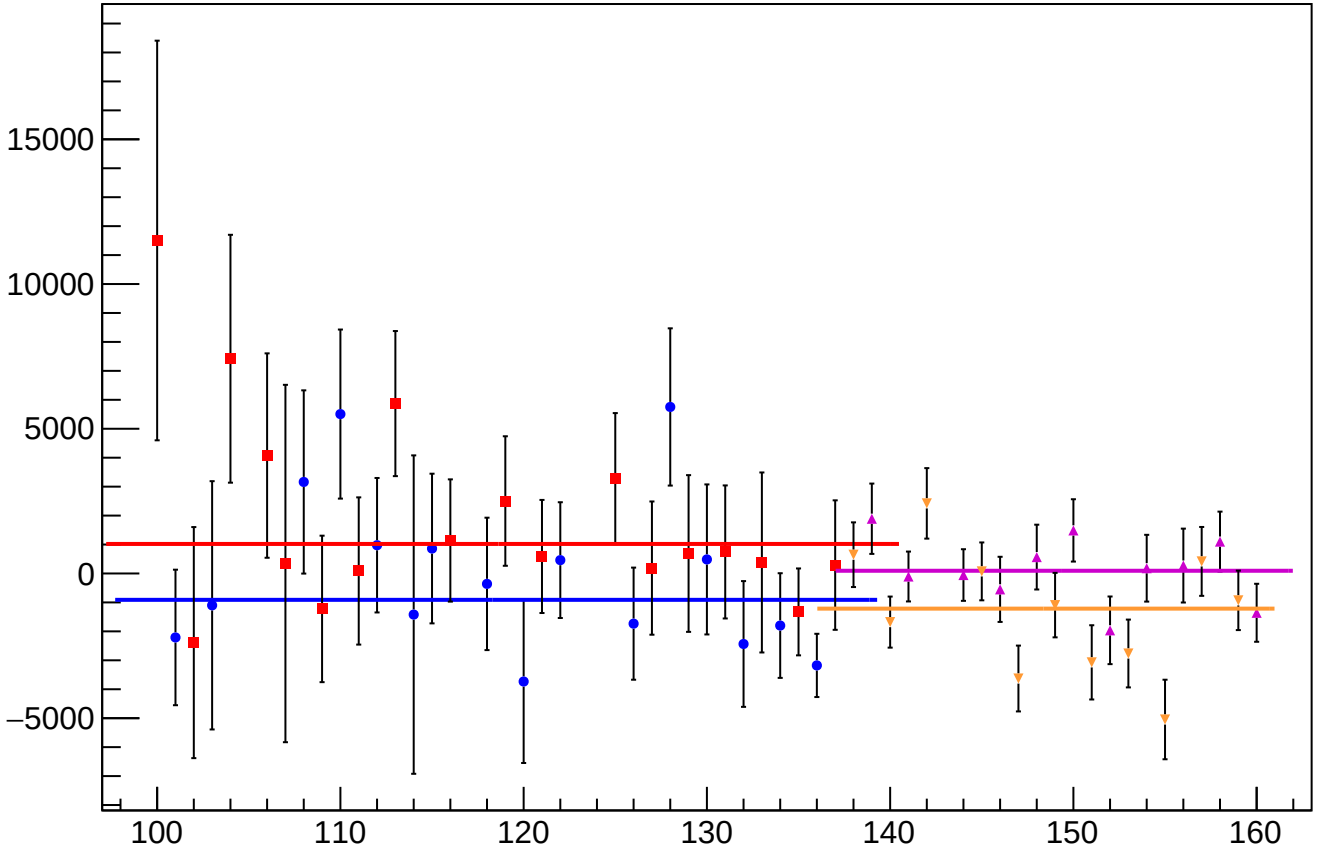
In: 64.246+/-440.595 χ^2/NDF:29.9/26

Out: 294.055+/-453.761 χ^2/NDF:25.5/28

All: 175.768+/-316.100 χ^2/NDF: 55.5/55


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
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: 1737.206+/-0.397 χ²/NDF:1879.0/10
Left: 1735.858+/-0.287 χ²/NDF: 2554.0/21
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1786.591+/-0.312 χ²/NDF:716987.0/26
Out: 1800.445+/-0.321 χ²/NDF:332743.8/28
All: 1793.314+/-0.224 χ²/NDF: 1050690.3/55

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: 93.627+/-320.101 χ^2/NDF:10.6/10

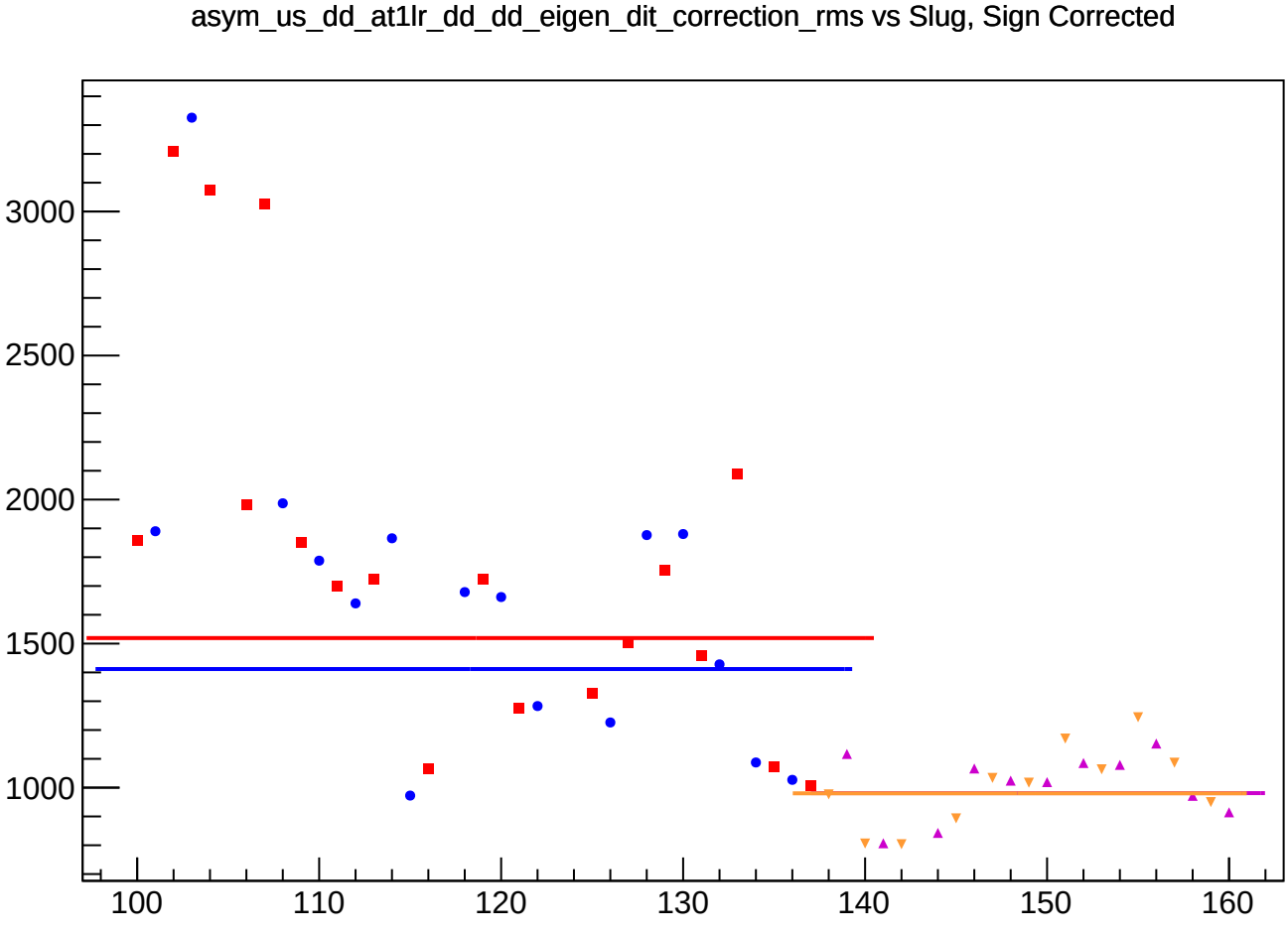
Left: -528.898+/-231.746 χ^2/NDF: 50.3/21

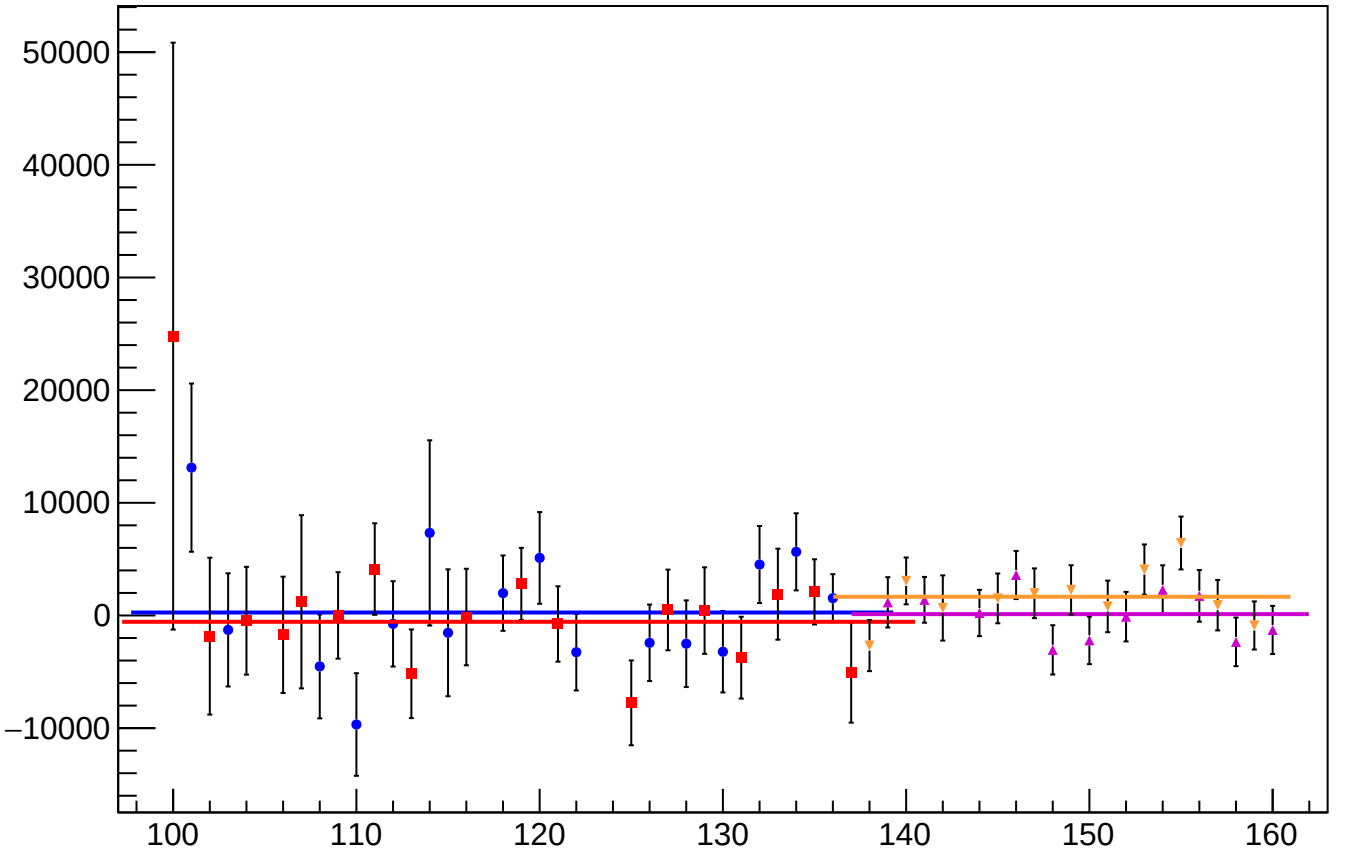
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -159.977+/-276.763 χ^2/NDF:34.1/26

Out: -669.677+/-292.133 χ^2/NDF:57.4/28

All: -401.066+/-200.915 χ^2/NDF: 93.2/55


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
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: 981.001+/-0.226 χ²/NDF:247591.5/10
Left: 980.671+/-0.164 χ²/NDF: 535168.0/21
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1089.742+/-0.196 χ²/NDF:2339590.3/26
Out: 1111.736+/-0.207 χ²/NDF:2903054.8/28
All: 1100.145+/-0.142 χ²/NDF: 5248619.5/55



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: 119.166+/-649.132 χ^2/NDF:9.8/10

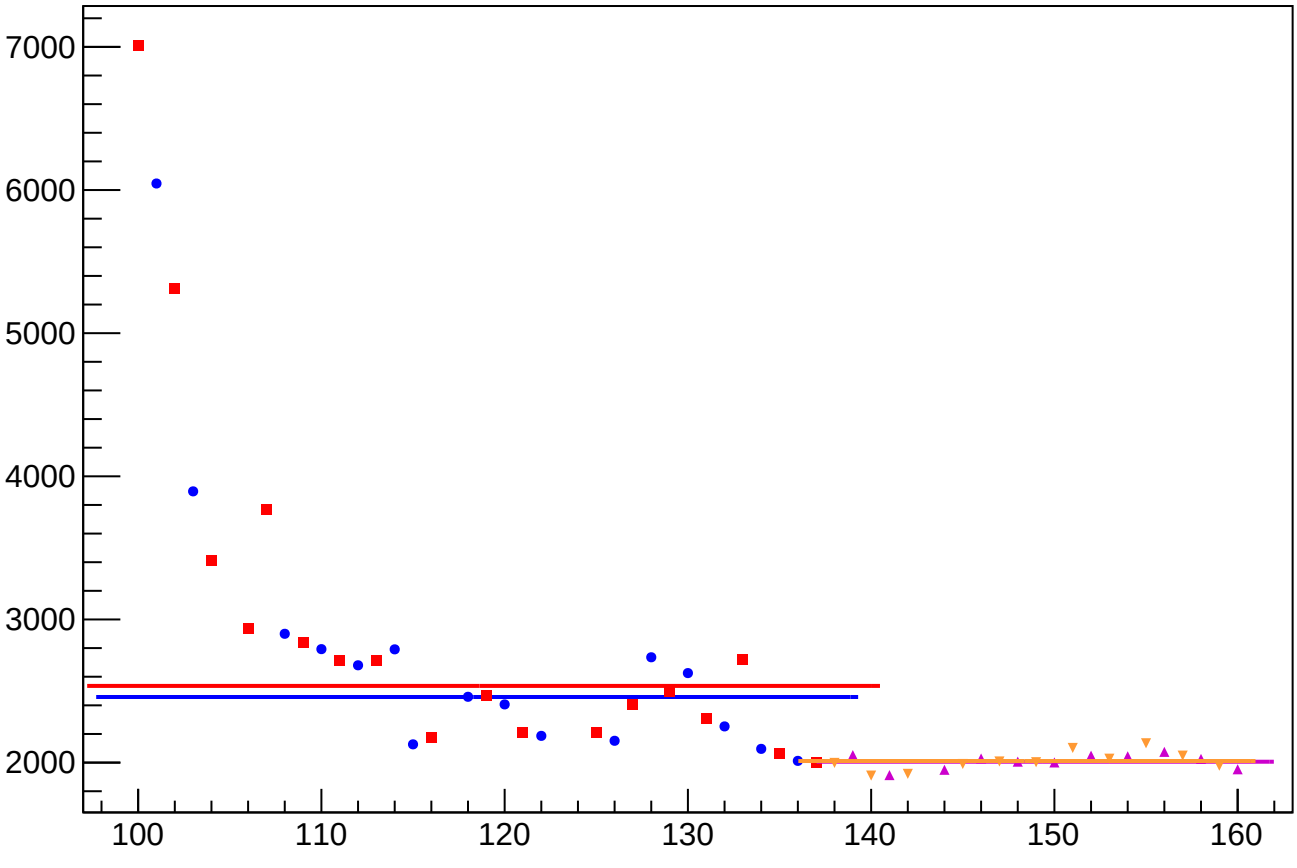
Left: 853.118+/-469.870 χ^2/NDF: 23.8/21

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 165.923+/-534.509 χ^2/NDF:28.8/26

Out: 920.142+/-556.011 χ^2/NDF:26.6/28

All: 528.166+/-385.332 χ^2/NDF: 56.4/55



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: 2006.153+/-0.459 χ^2/NDF:11359.4/10

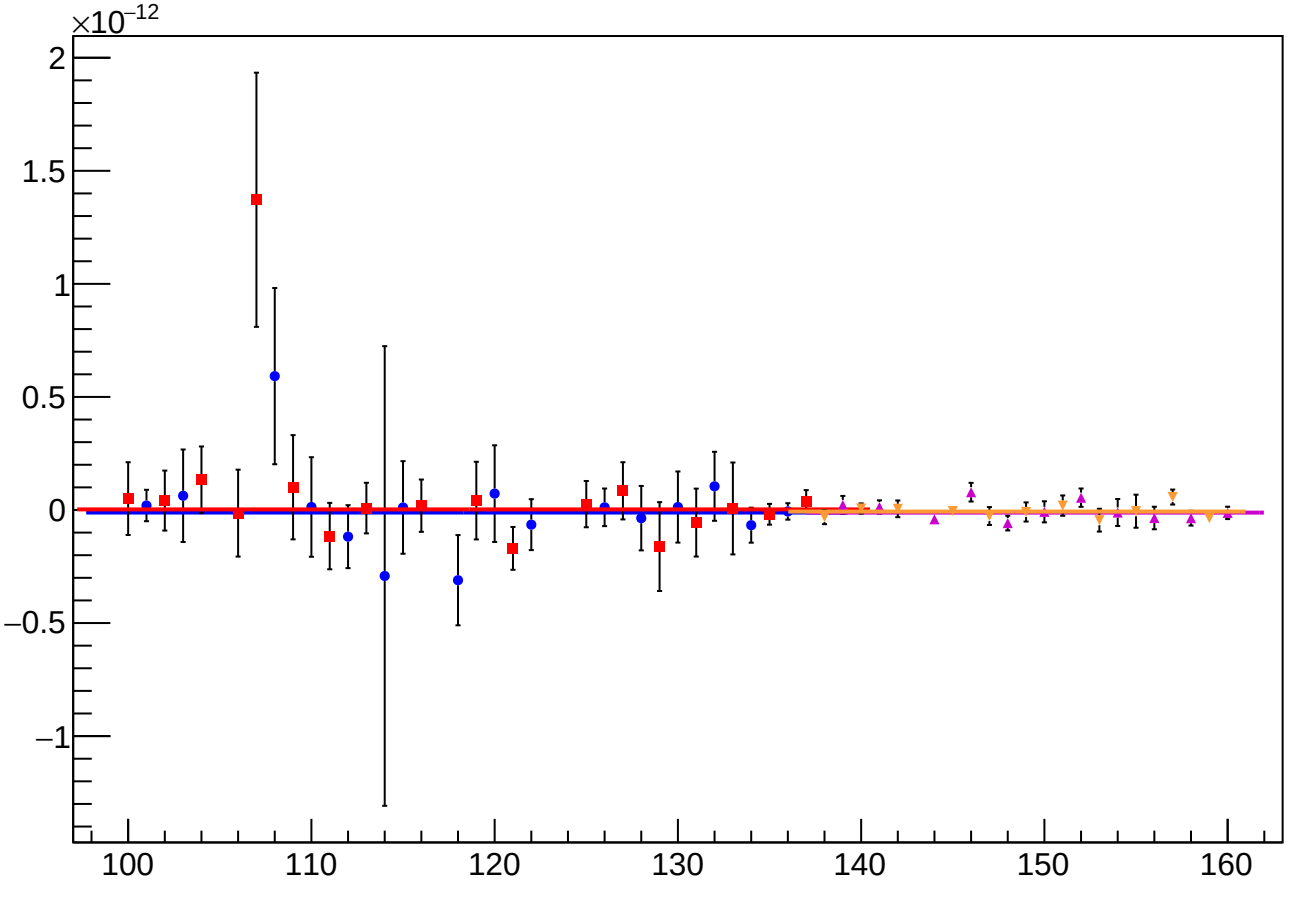
Left: 2008.487+/-0.332 χ^2/NDF: 28302.4/21

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2151.745+/-0.378 χ^2/NDF:1156720.3/26

Out: 2186.002+/-0.393 χ^2/NDF:1086102.7/28

All: 2168.198+/-0.272 χ^2/NDF: 2246768.7/55



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:13.7/10

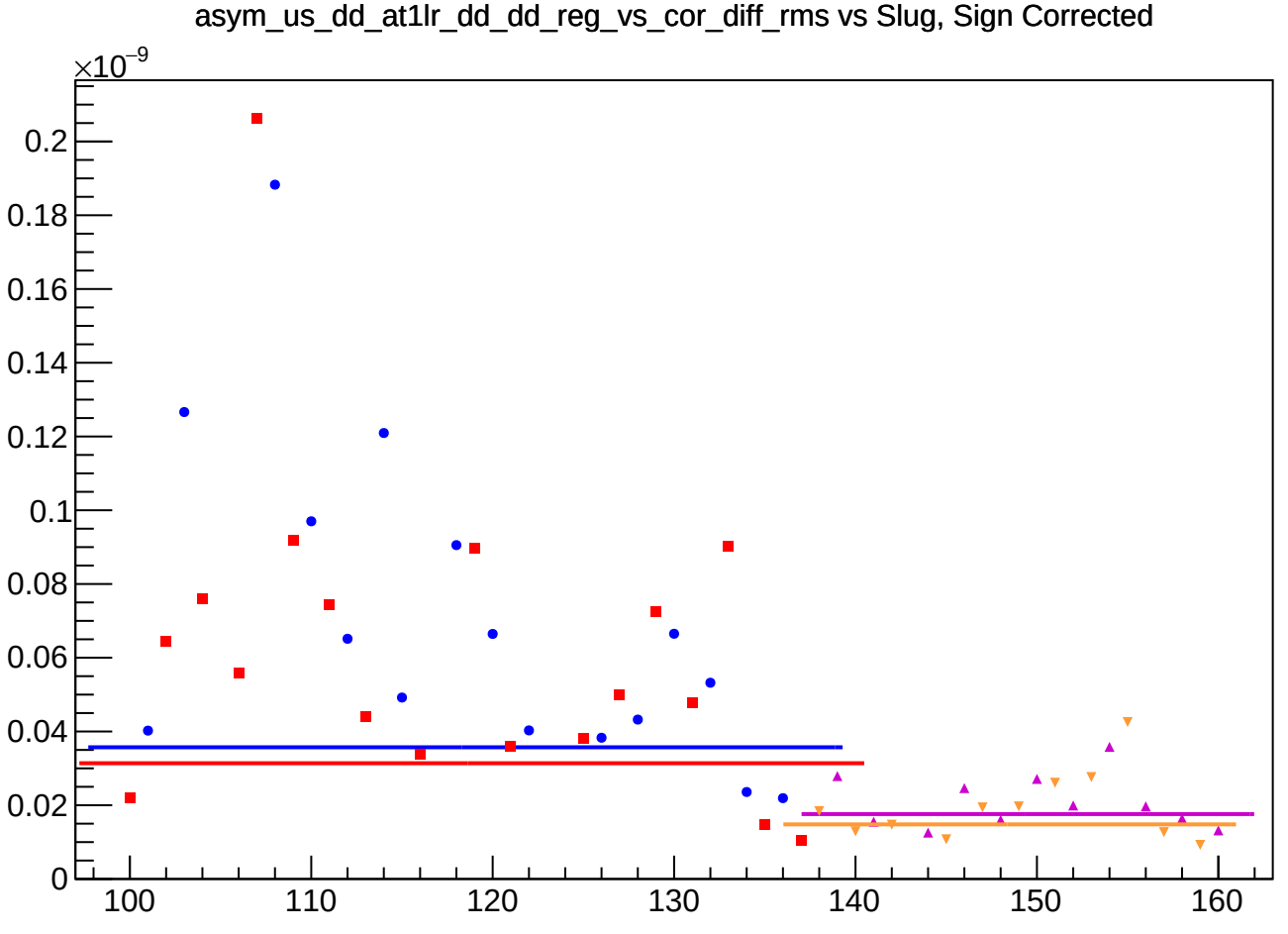
Left: -0.000+/-0.000 χ^2/NDF: 21.5/21

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:21.0/26

Out: -0.000+/-0.000 χ^2/NDF:21.1/28

All: -0.000+/-0.000 χ^2/NDF: 42.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:837604.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:656362.3/10

Left: 0.000+/-0.000 χ^2/NDF: 1574198.6/21

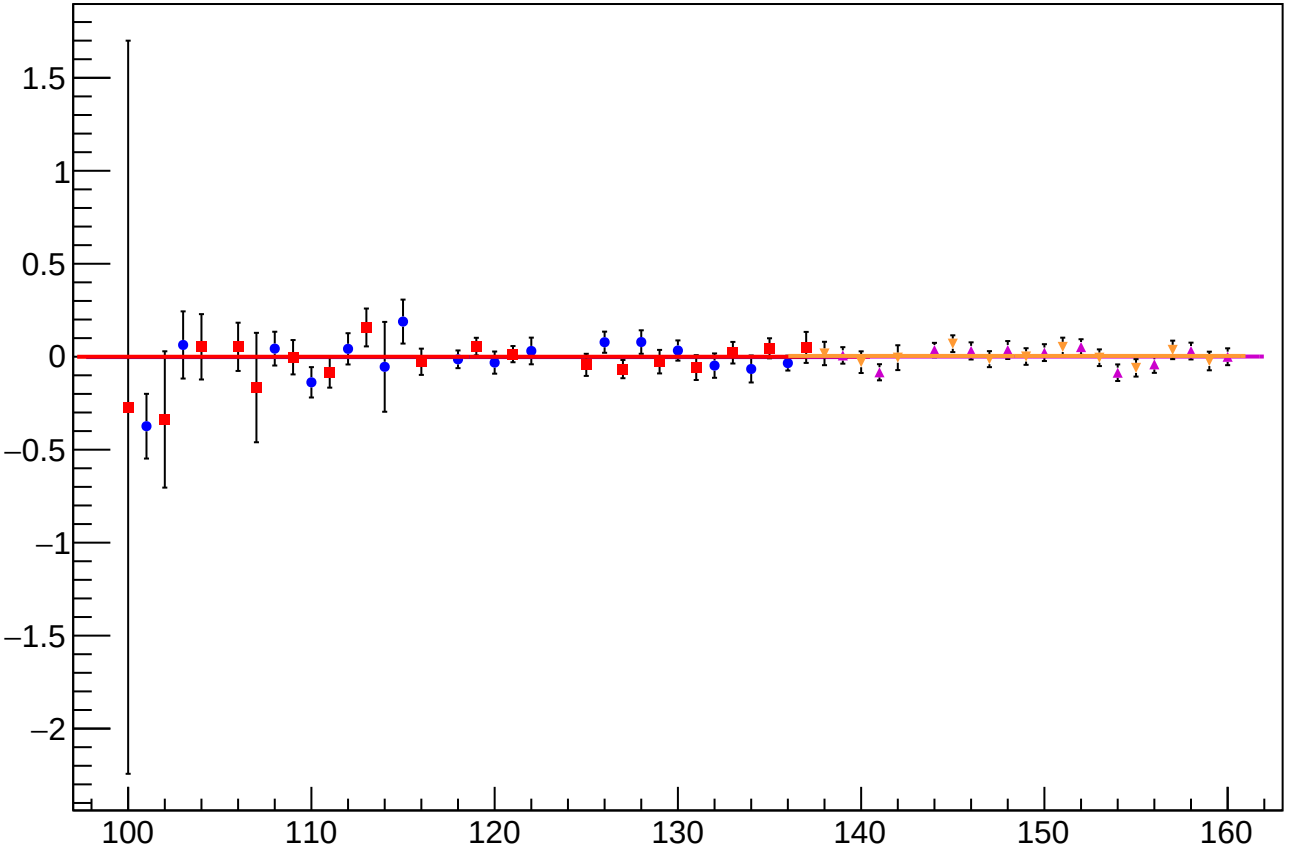
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3205312.5/26

Out: 0.000+/-0.000 χ^2/NDF:3708782.2/28

All: 0.000+/-0.000 χ^2/NDF: 7040940.0/55

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+/-0.013 χ^2/NDF:12.3/10

Left: 0.002+/-0.010 χ^2/NDF: 18.6/21

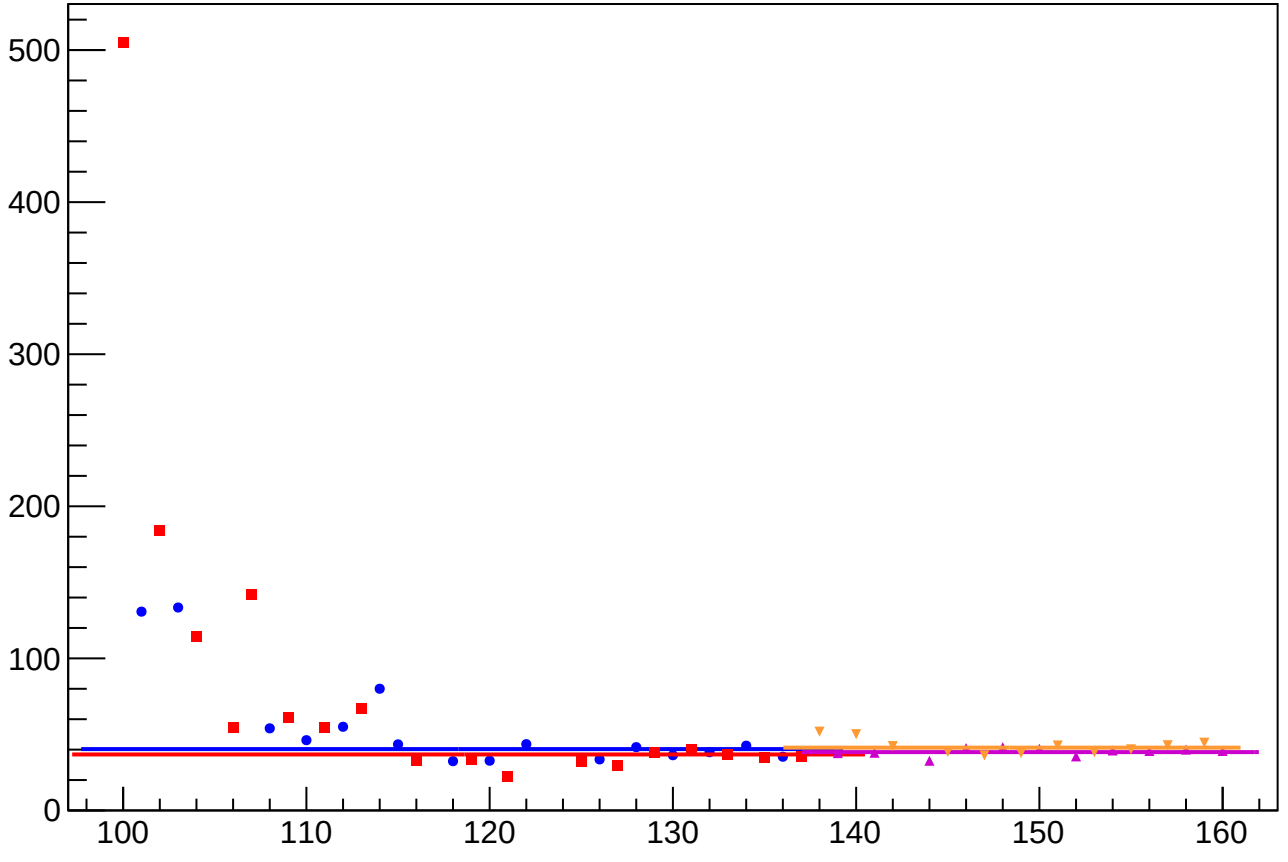
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/55

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: 38.364+/-0.009 χ^2/NDF:76936.2/10

Left: 39.667+/-0.007 χ^2/NDF: 292955.1/21

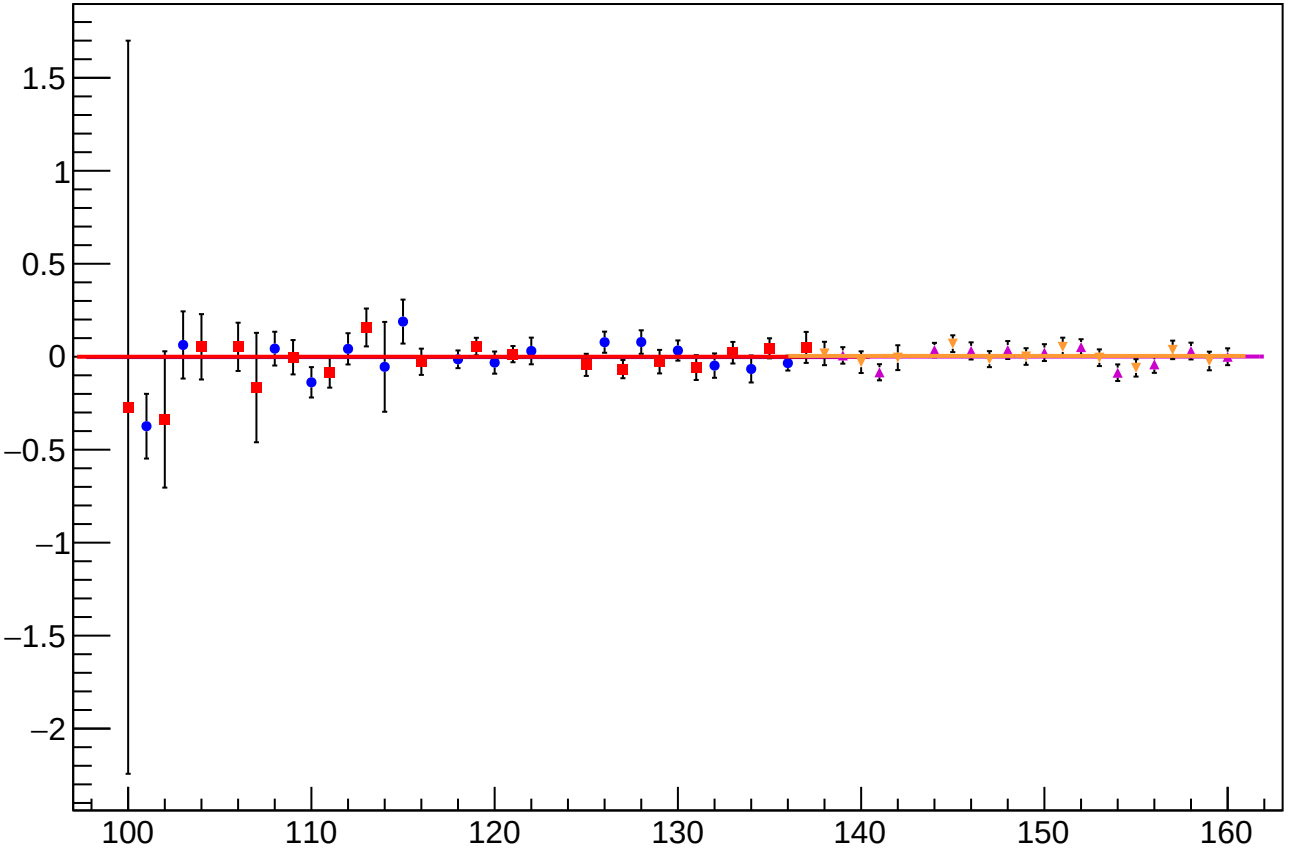
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.007 χ^2/NDF:1503879.1/26

Out: 39.304+/-0.008 χ^2/NDF:2090153.2/28

All: 39.206+/-0.005 χ^2/NDF: 3594325.8/55

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+/-0.013 χ^2/NDF:12.3/10

Left: 0.002+/-0.010 χ^2/NDF: 18.6/21

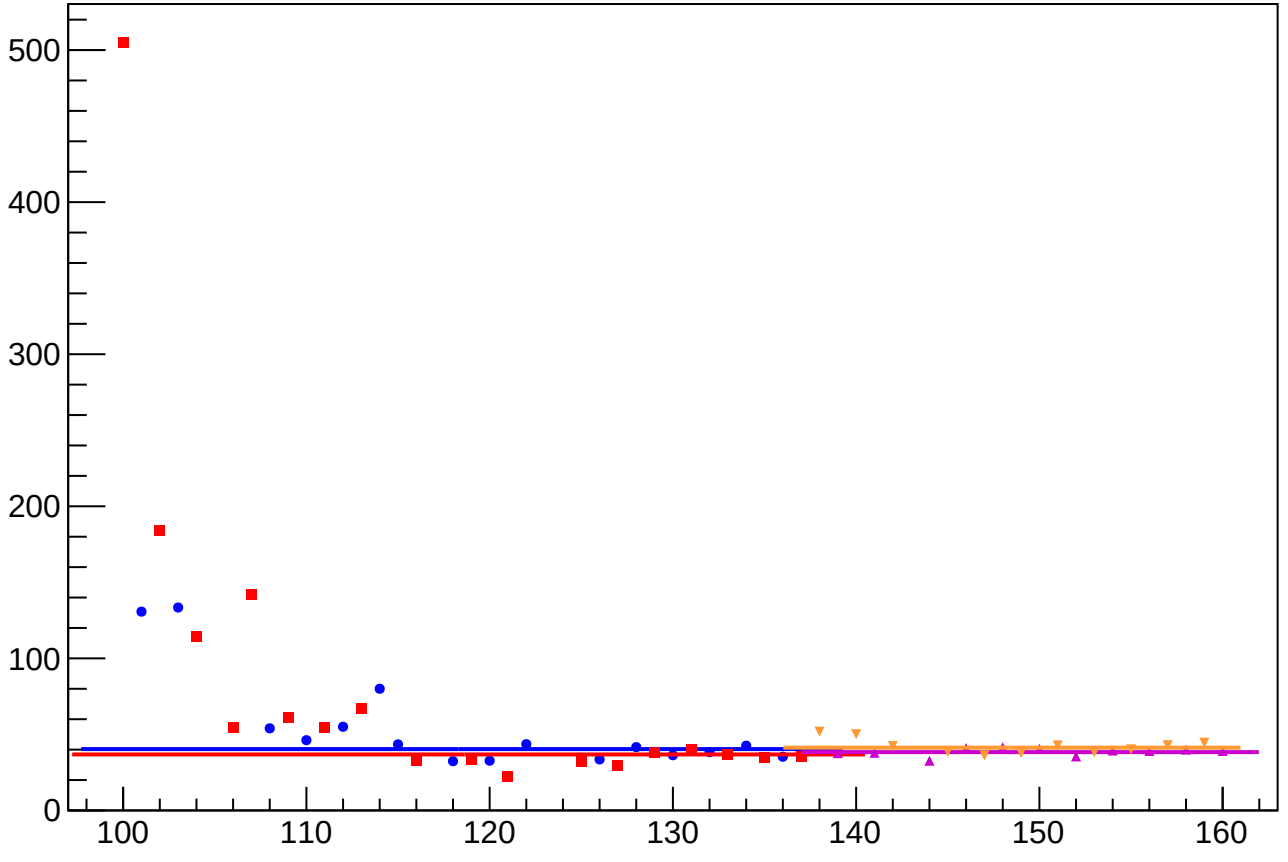
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/55

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: 38.364+/-0.009 χ^2/NDF:76936.2/10

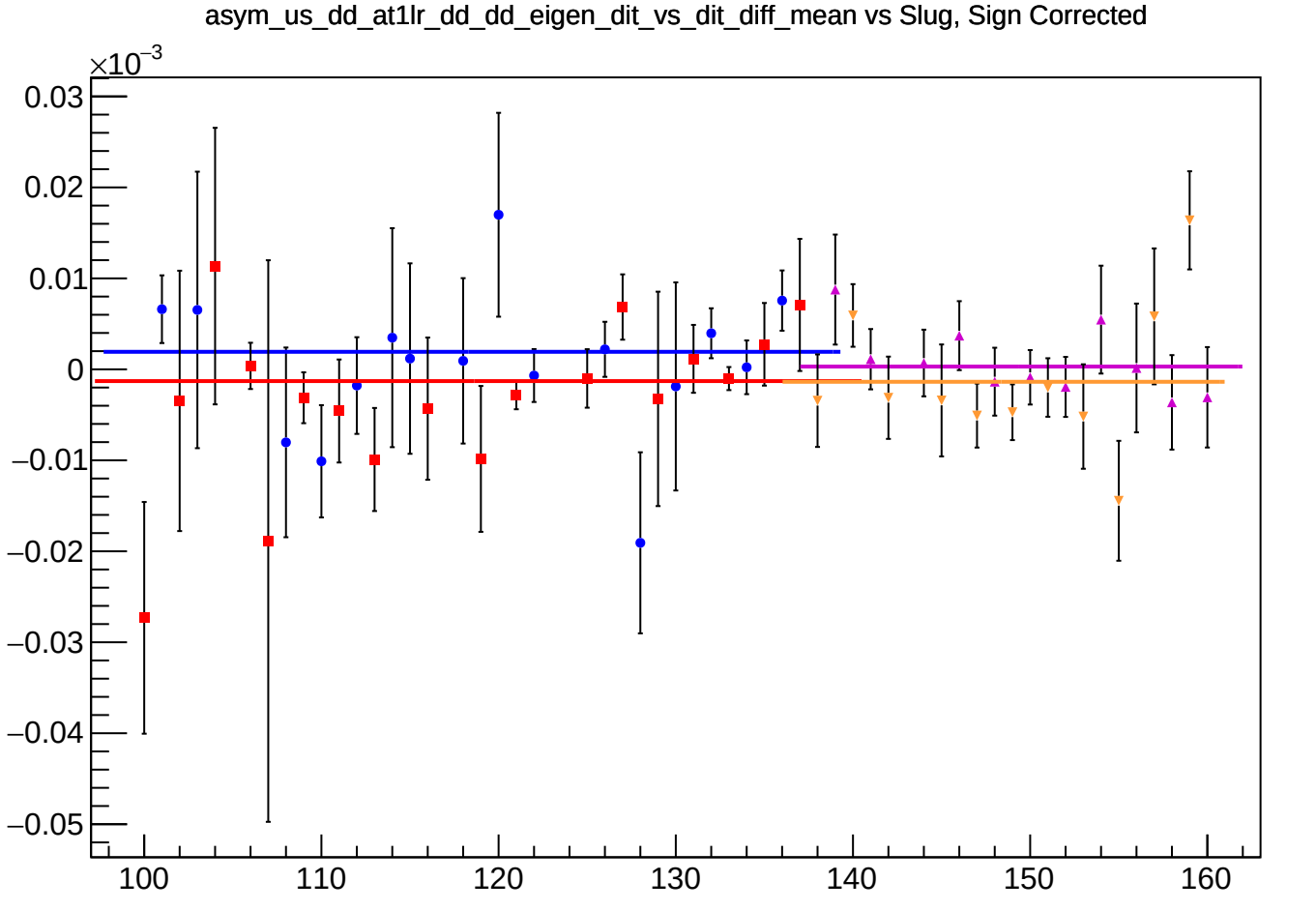
Left: 39.667+/-0.007 χ^2/NDF: 292955.1/21

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.007 χ^2/NDF:1503879.1/26

Out: 39.304+/-0.008 χ^2/NDF:2090153.2/28

All: 39.206+/-0.005 χ^2/NDF: 3594325.8/55



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:5.4/10

Left: -0.000+/-0.000 χ^2/NDF: 29.6/21

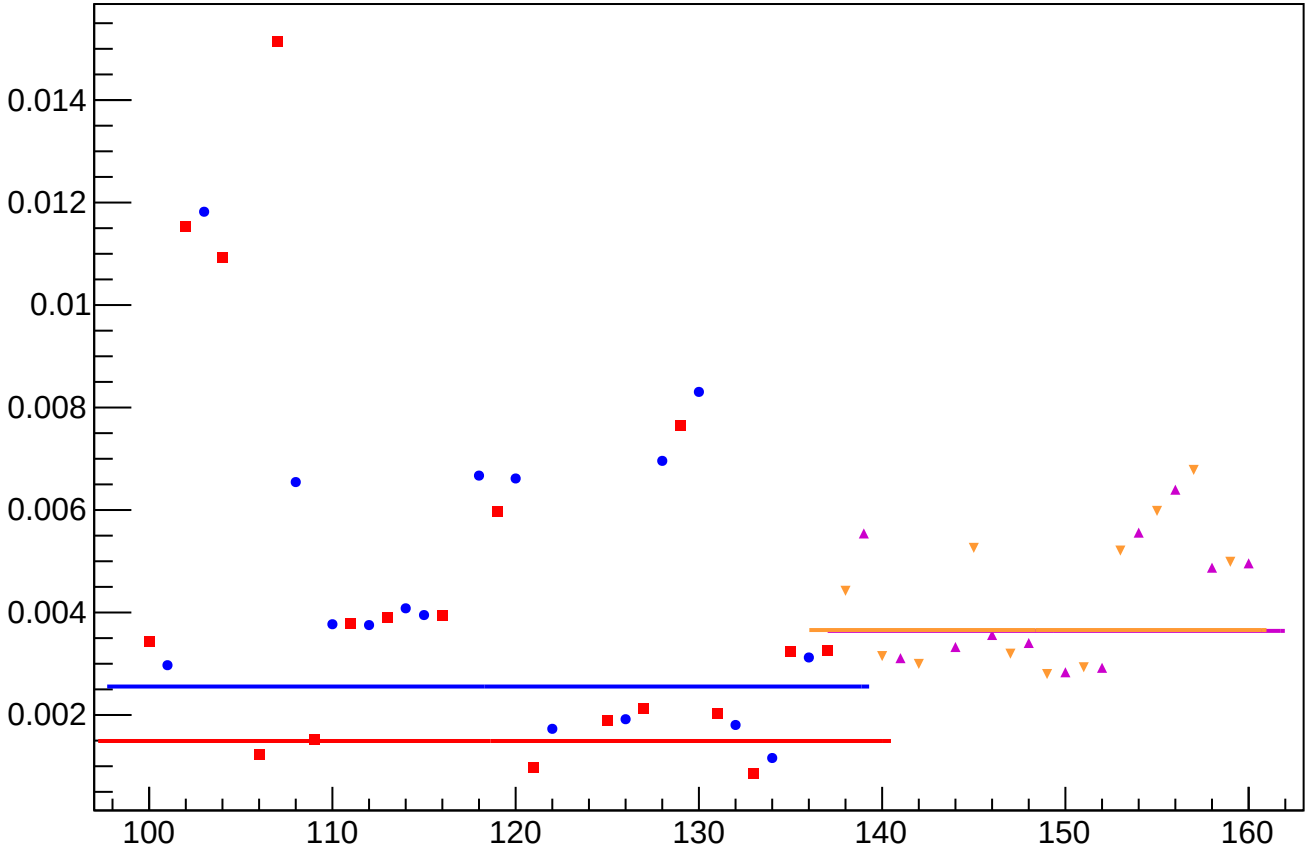
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:24.1/26

Out: -0.000+/-0.000 χ^2/NDF:42.3/28

All: -0.000+/-0.000 χ^2/NDF: 71.9/55

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:1253027.7/10

Left: 0.004+/-0.000 χ^2/NDF: 2680867.3/21

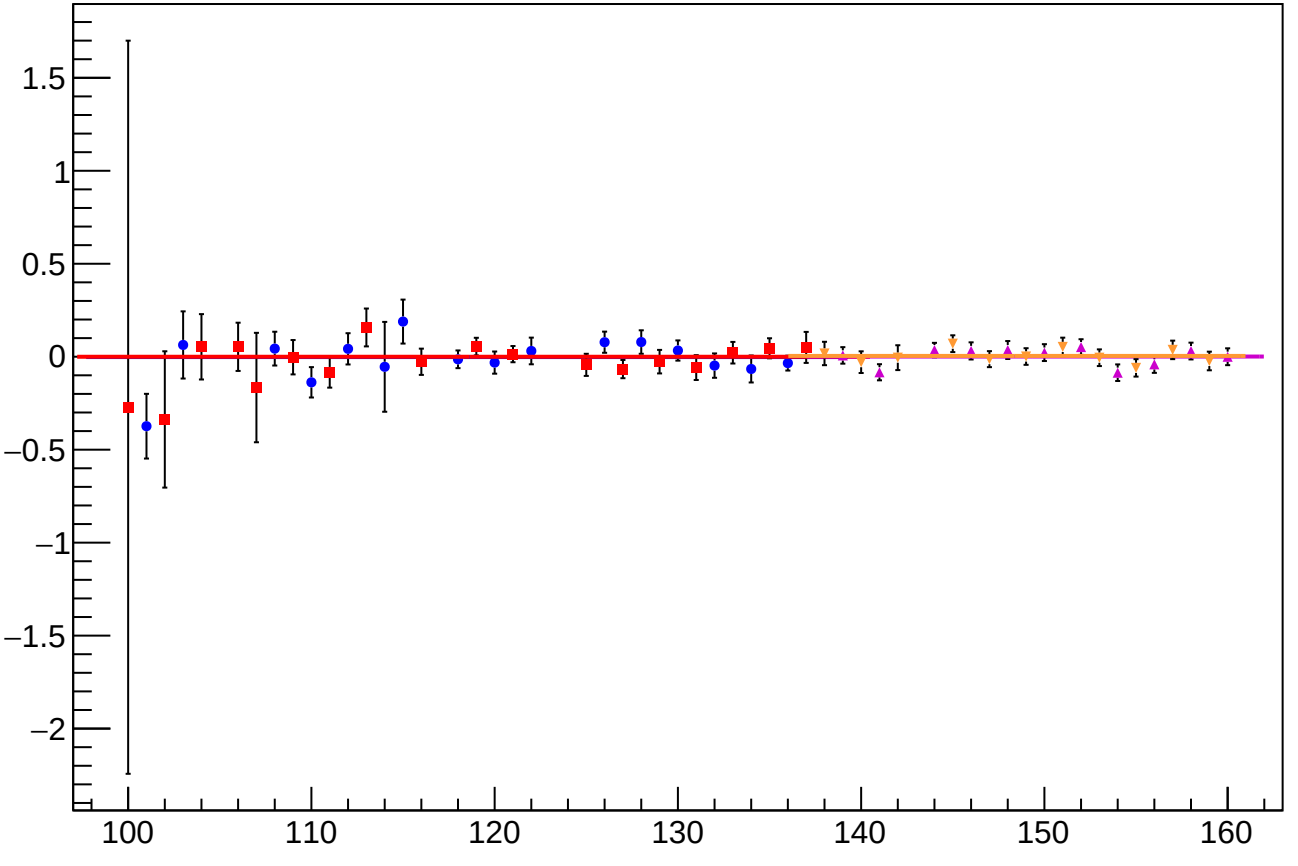
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:5869328.4/26

Out: 0.002+/-0.000 χ^2/NDF:11127448.8/28

All: 0.002+/-0.000 χ^2/NDF: 18855694.7/55

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+/-0.013 χ^2/NDF:12.3/10

Left: 0.002+/-0.010 χ^2/NDF: 18.6/21

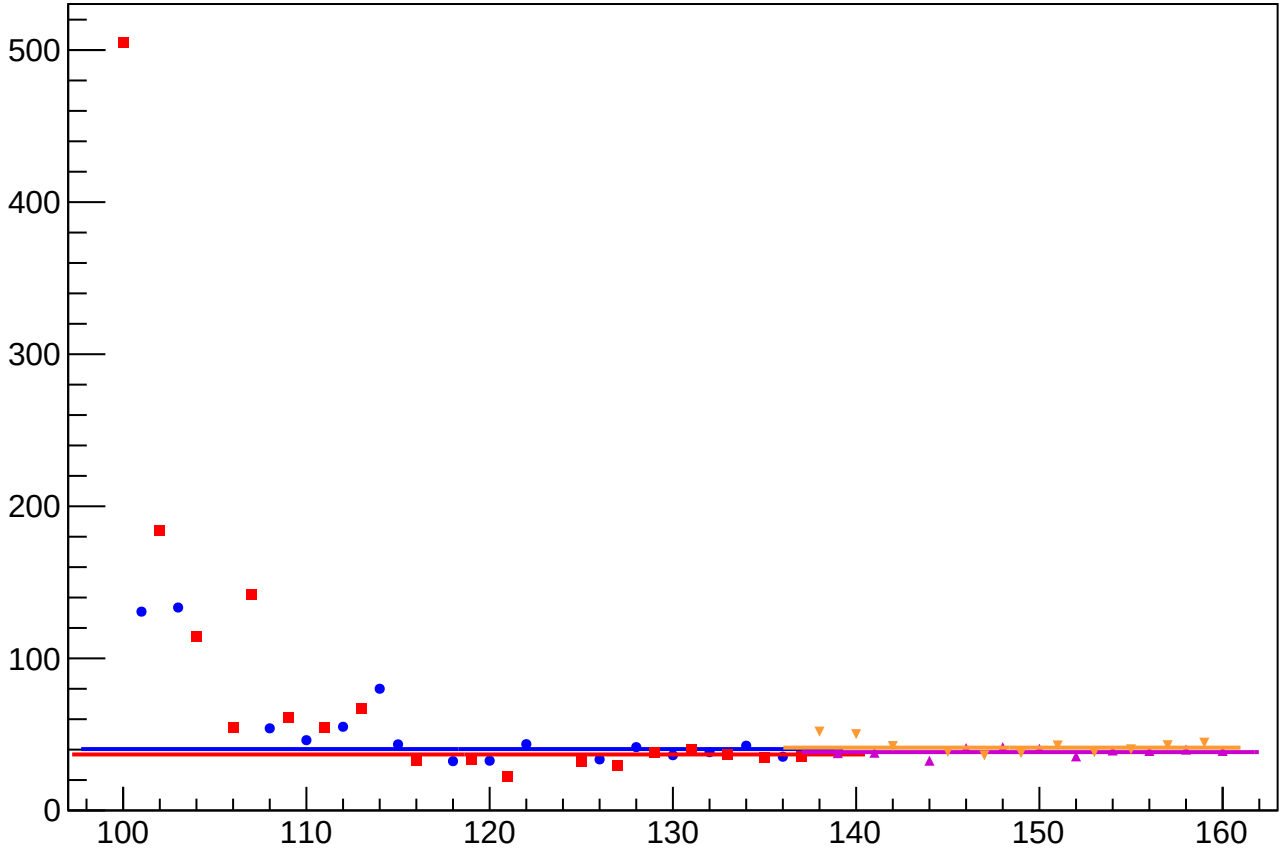
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/55

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: 38.364+/-0.009 χ^2/NDF:76928.4/10

Left: 39.667+/-0.007 χ^2/NDF: 292951.2/21

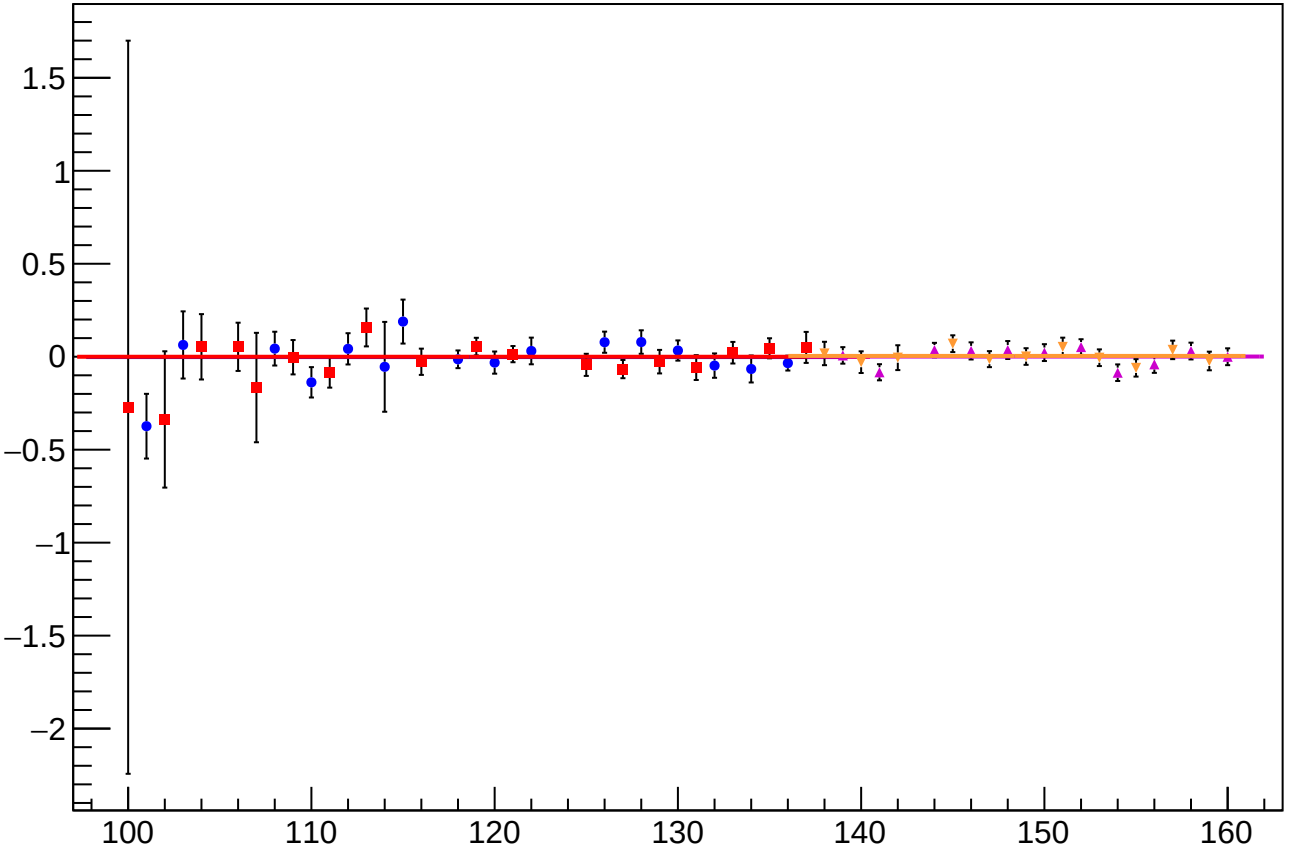
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.007 χ^2/NDF:1503780.1/26

Out: 39.303+/-0.008 χ^2/NDF:2090184.0/28

All: 39.206+/-0.005 χ^2/NDF: 3594255.7/55

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+/-0.013 χ^2/NDF:12.3/10

Left: 0.002+/-0.010 χ^2/NDF: 18.6/21

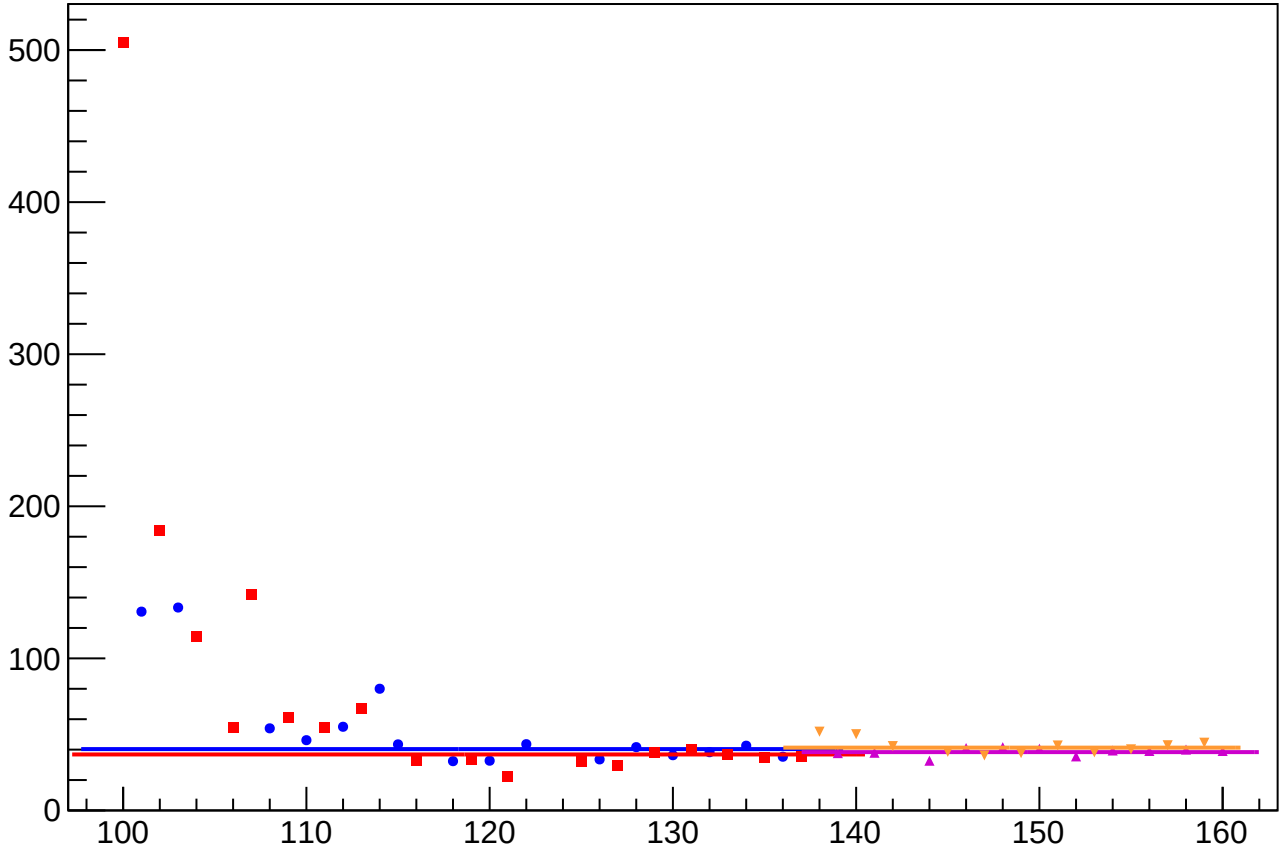
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.002+/-0.011 χ^2/NDF:17.2/28

All: 0.001+/-0.008 χ^2/NDF: 46.7/55

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: 38.364+/-0.009 χ^2/NDF:76928.4/10

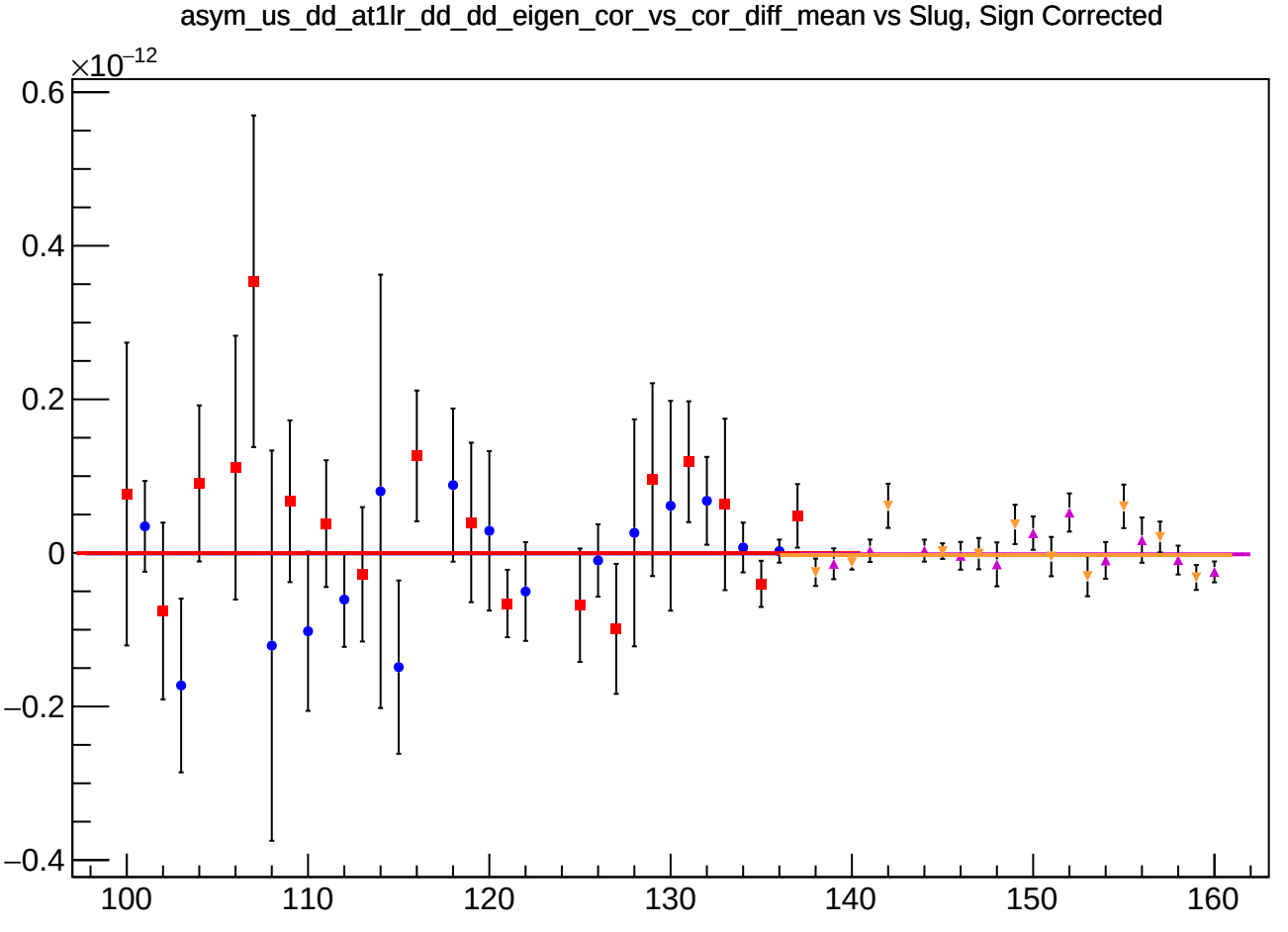
Left: 39.667+/-0.007 χ^2/NDF: 292951.2/21

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.007 χ^2/NDF:1503780.1/26

Out: 39.303+/-0.008 χ^2/NDF:2090184.0/28

All: 39.206+/-0.005 χ^2/NDF: 3594255.7/55



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:10.7/10

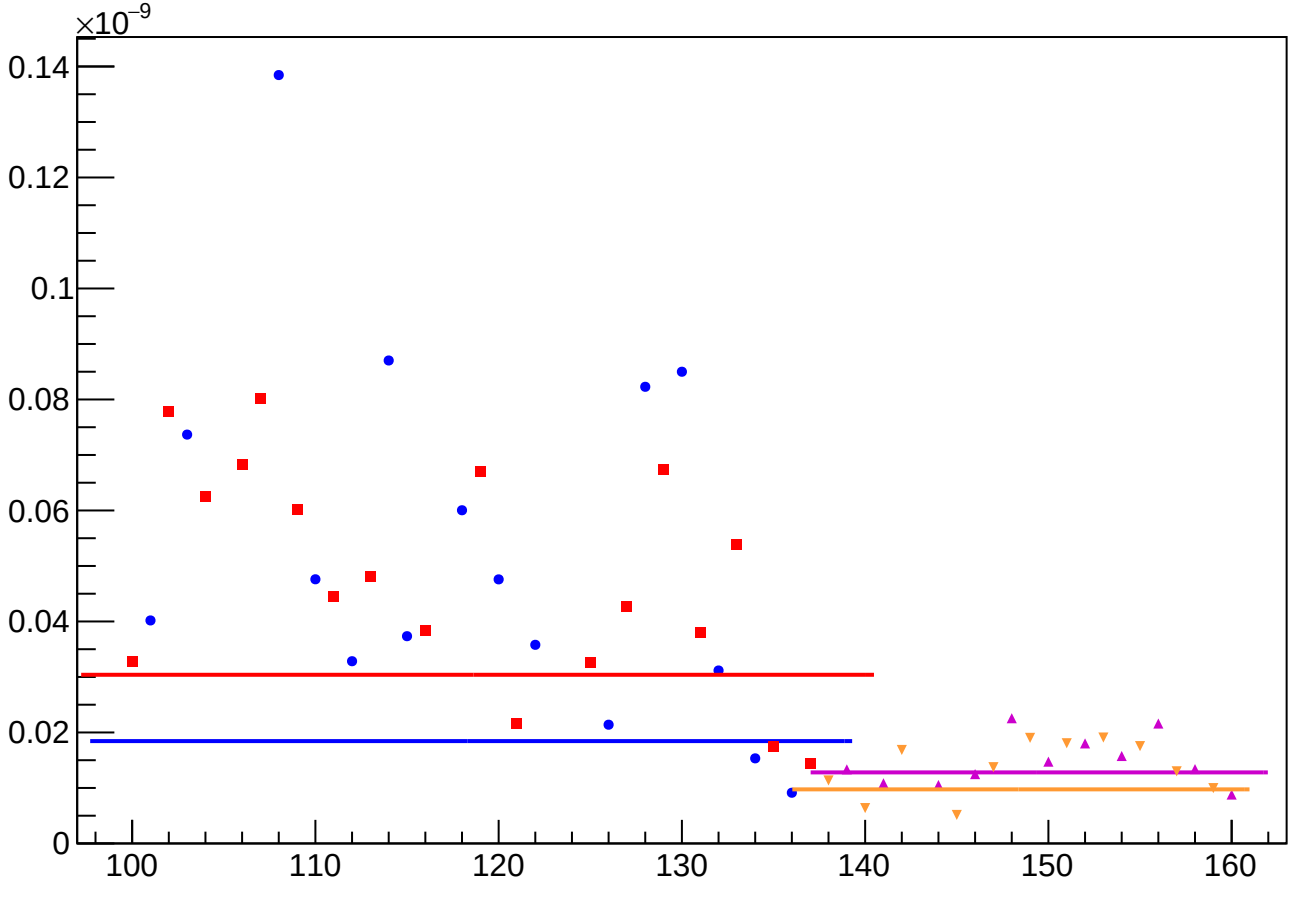
Left: -0.000+/-0.000 χ^2/NDF: 31.7/21

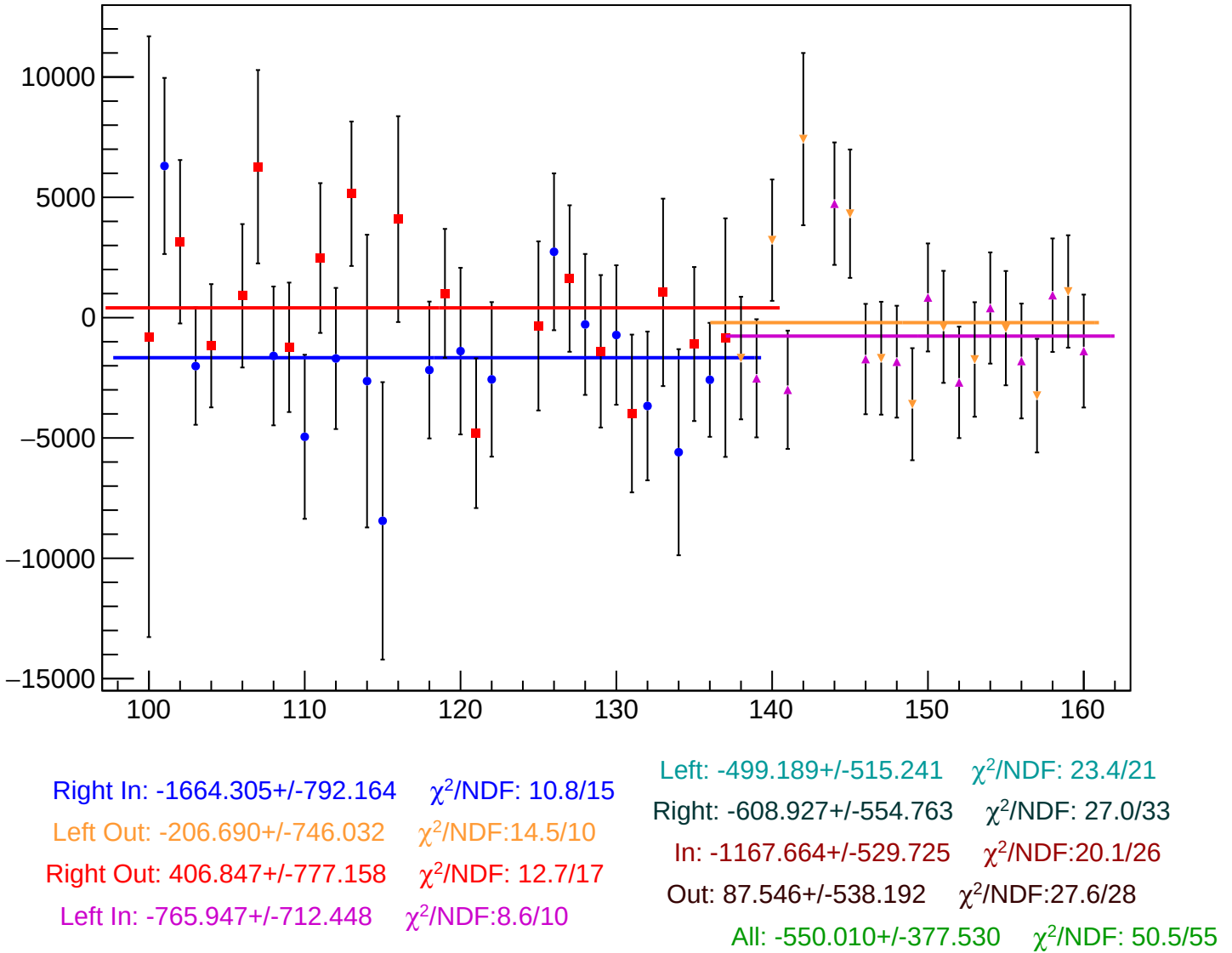
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

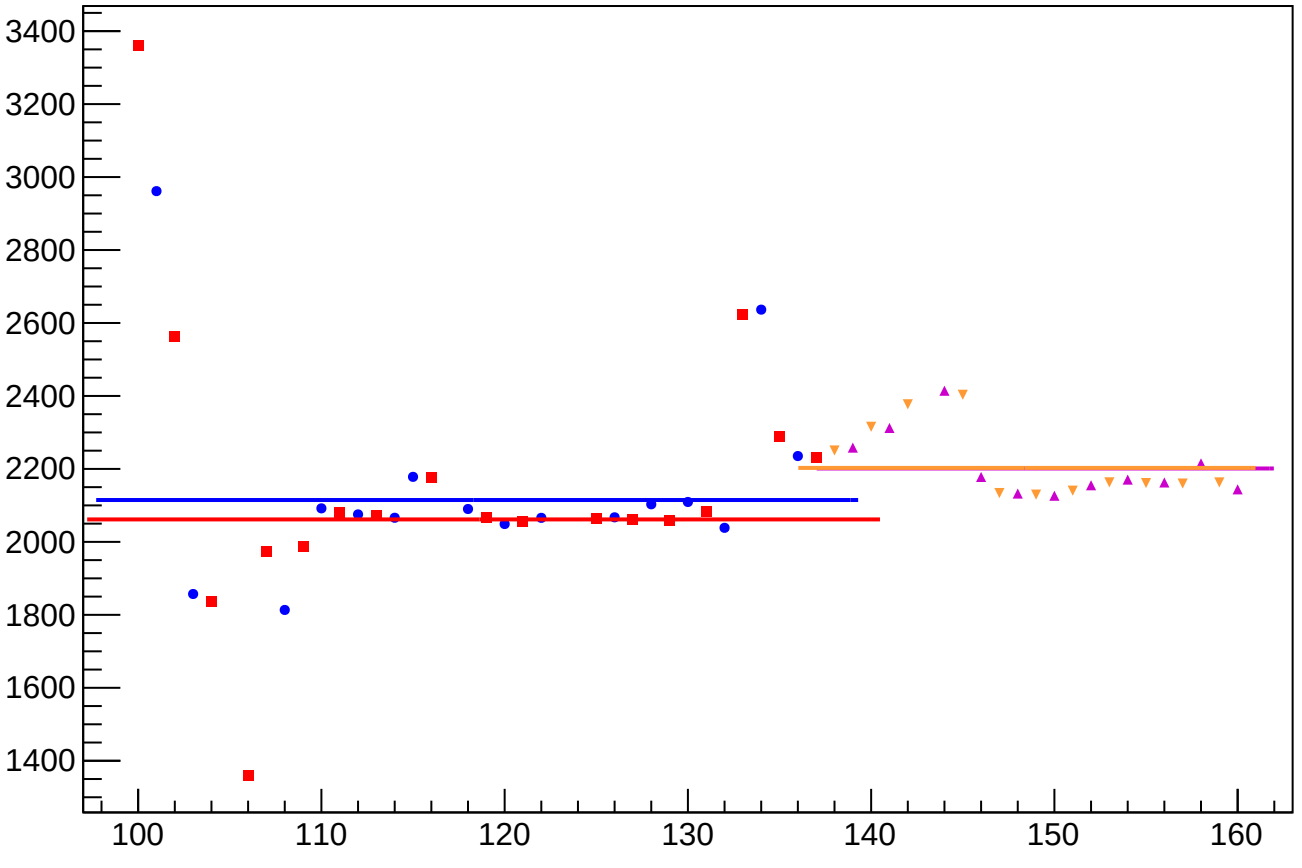
In: -0.000+/-0.000 χ^2/NDF:20.6/26

Out: -0.000+/-0.000 χ^2/NDF:39.3/28

All: -0.000+/-0.000 χ^2/NDF: 59.9/55


asym_us_dd_at1lr_dd_dd_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: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1816153.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:809238.7/10
Left: 0.000+/-0.000 χ²/NDF: 2952330.3/21
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:5216356.6/26
Out: 0.000+/-0.000 χ²/NDF:7081755.0/28
All: 0.000+/-0.000 χ²/NDF: 12532033.2/55


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: -765.947+/-712.448 χ²/NDF:8.6/10
Left: -499.189+/-515.241 χ²/NDF: 23.4/21
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -1167.664+/-529.725 χ²/NDF:20.1/26
Out: 87.546+/-538.192 χ²/NDF:27.6/28
All: -550.010+/-377.530 χ²/NDF: 50.5/55



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: 2201.202+/-0.504 χ^2/NDF:26279.9/10

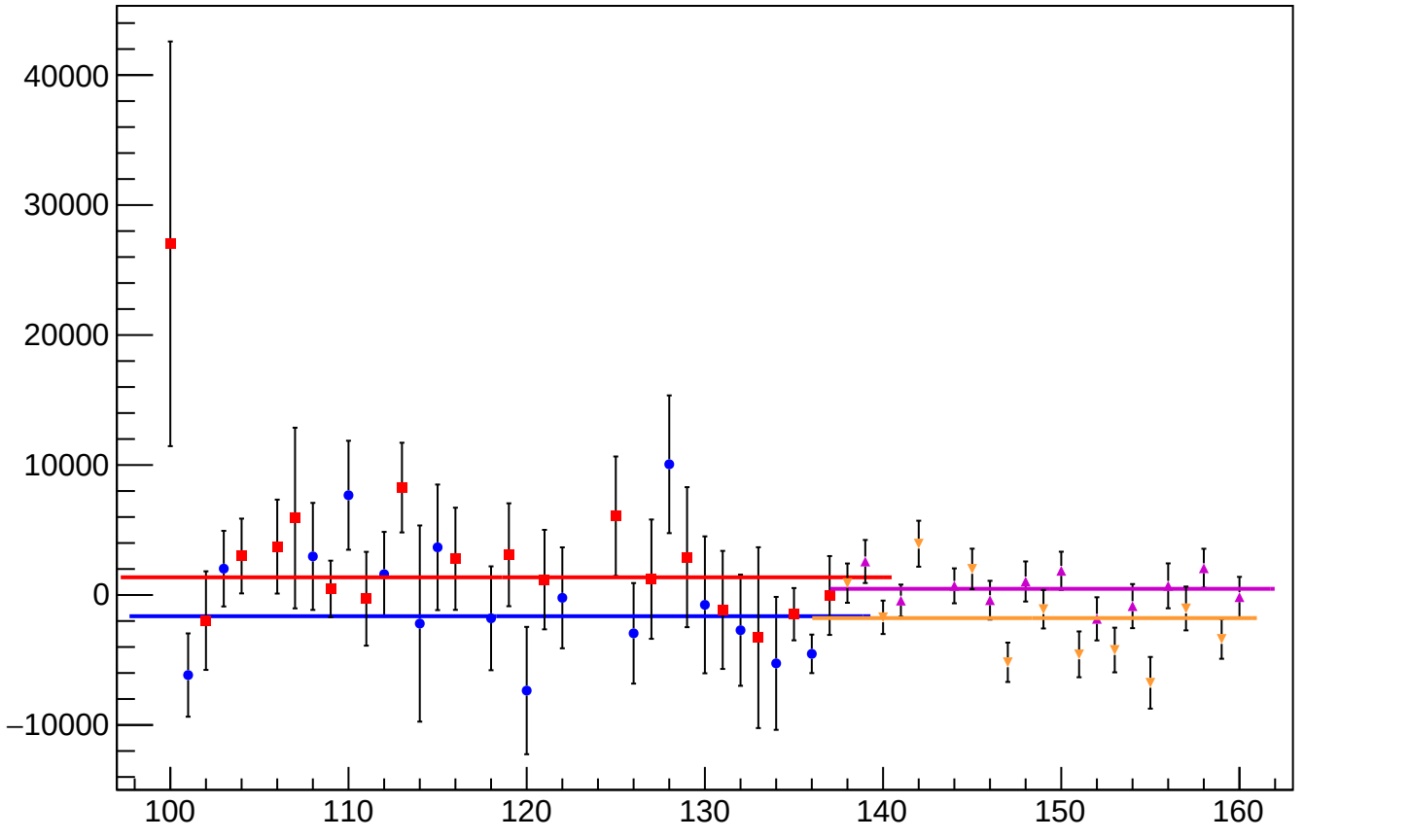
Left: 2201.950+/-0.364 χ^2/NDF: 54566.4/21

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2162.546+/-0.375 χ^2/NDF:229367.6/26

Out: 2135.050+/-0.381 χ^2/NDF:311833.3/28

All: 2149.016+/-0.267 χ^2/NDF: 543852.3/55



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: 475.914+/-455.867 χ^2/NDF:7.4/10

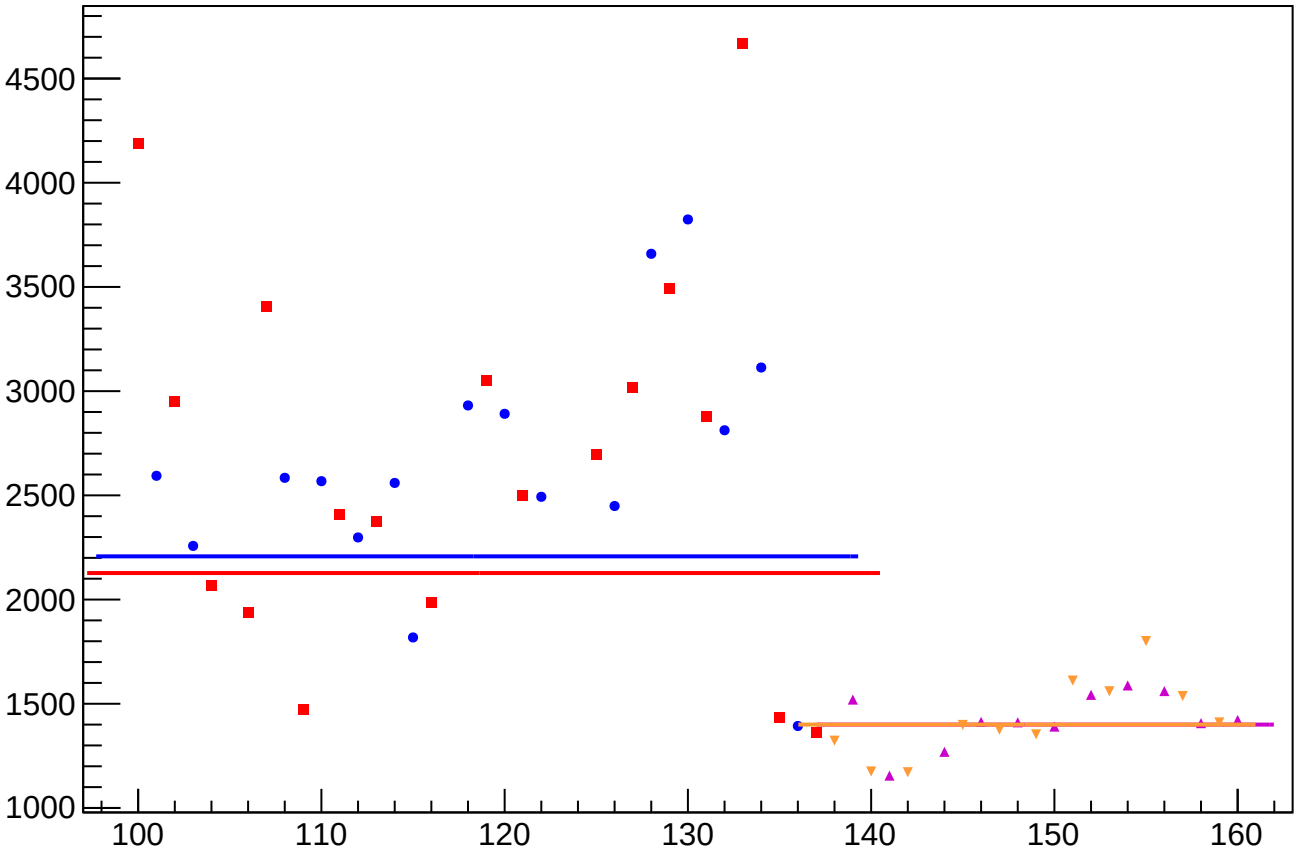
Left: -594.286+/-330.138 χ^2/NDF: 55.9/21

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 15.900+/-403.026 χ^2/NDF:34.9/26

Out: -1006.171+/-415.985 χ^2/NDF:60.9/28

All: -478.968+/-289.456 χ^2/NDF: 98.9/55



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: 1400.001+/-0.322 χ^2/NDF:165700.2/10

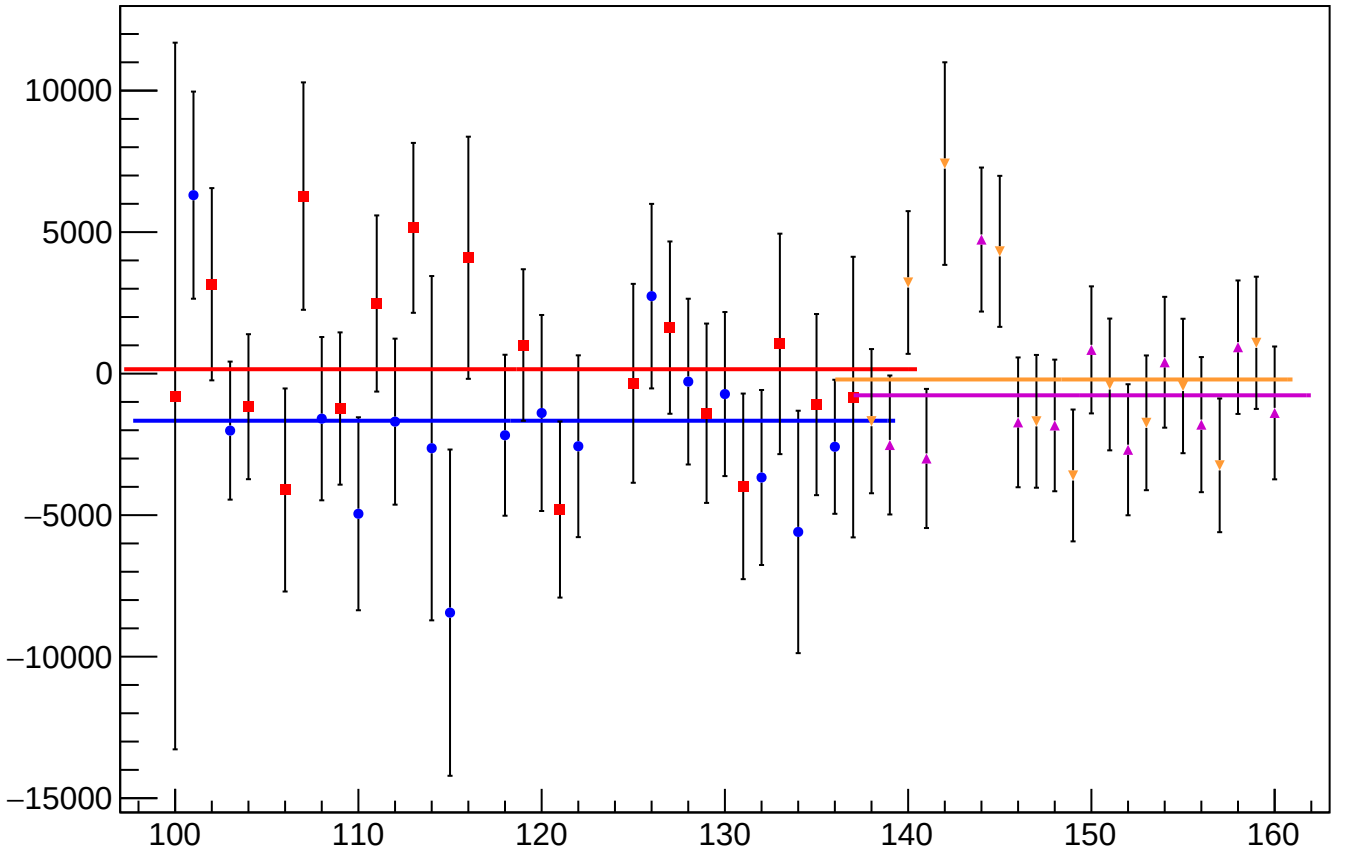
Left: 1400.067+/-0.233 χ^2/NDF: 408910.0/21

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1576.297+/-0.285 χ^2/NDF:2784602.5/26

Out: 1578.276+/-0.294 χ^2/NDF:2831458.4/28

All: 1577.255+/-0.205 χ^2/NDF: 5616084.2/55



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -206.418+/-746.032 χ^2/NDF:14.5/10

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -765.883+/-712.448 χ^2/NDF:8.6/10

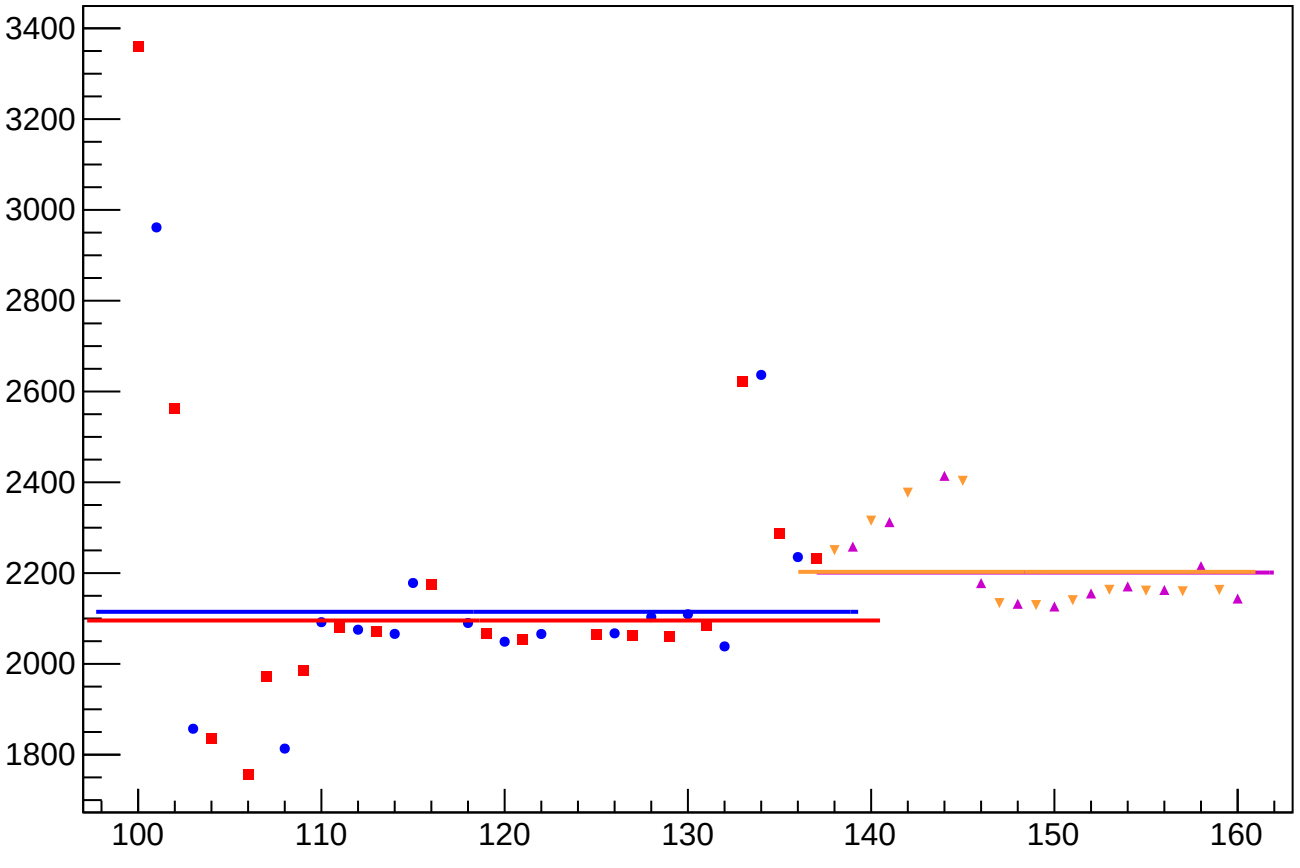
Left: -499.026+/-515.241 χ^2/NDF: 23.4/21

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1167.595+/-529.725 χ^2/NDF:20.1/26

Out: -34.645+/-540.933 χ^2/NDF:28.8/28

All: -612.979+/-378.472 χ^2/NDF: 51.2/55



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: 2201.202+/-0.504 χ^2/NDF:26279.9/10

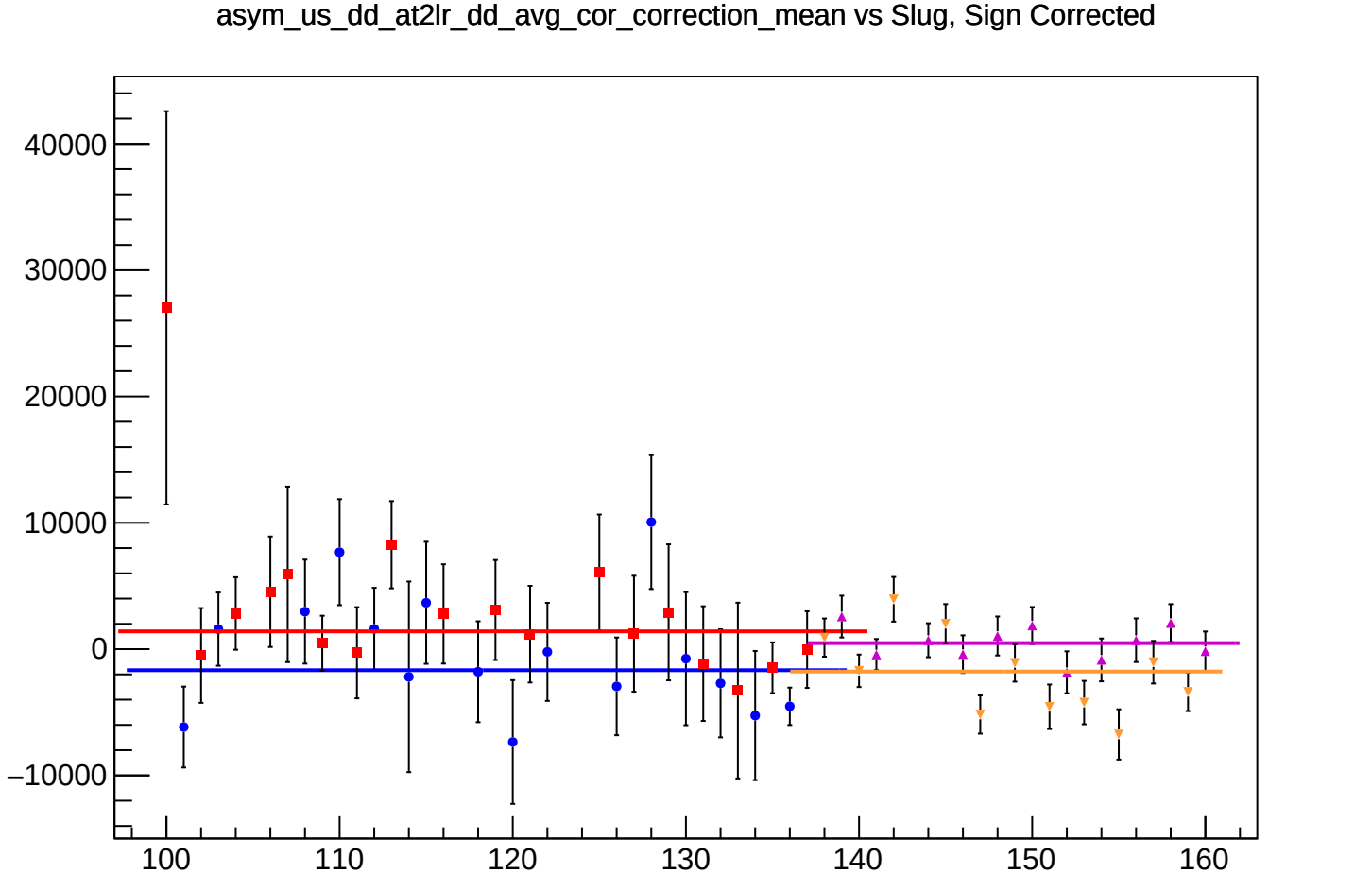
Left: 2201.951+/-0.364 χ^2/NDF: 54566.4/21

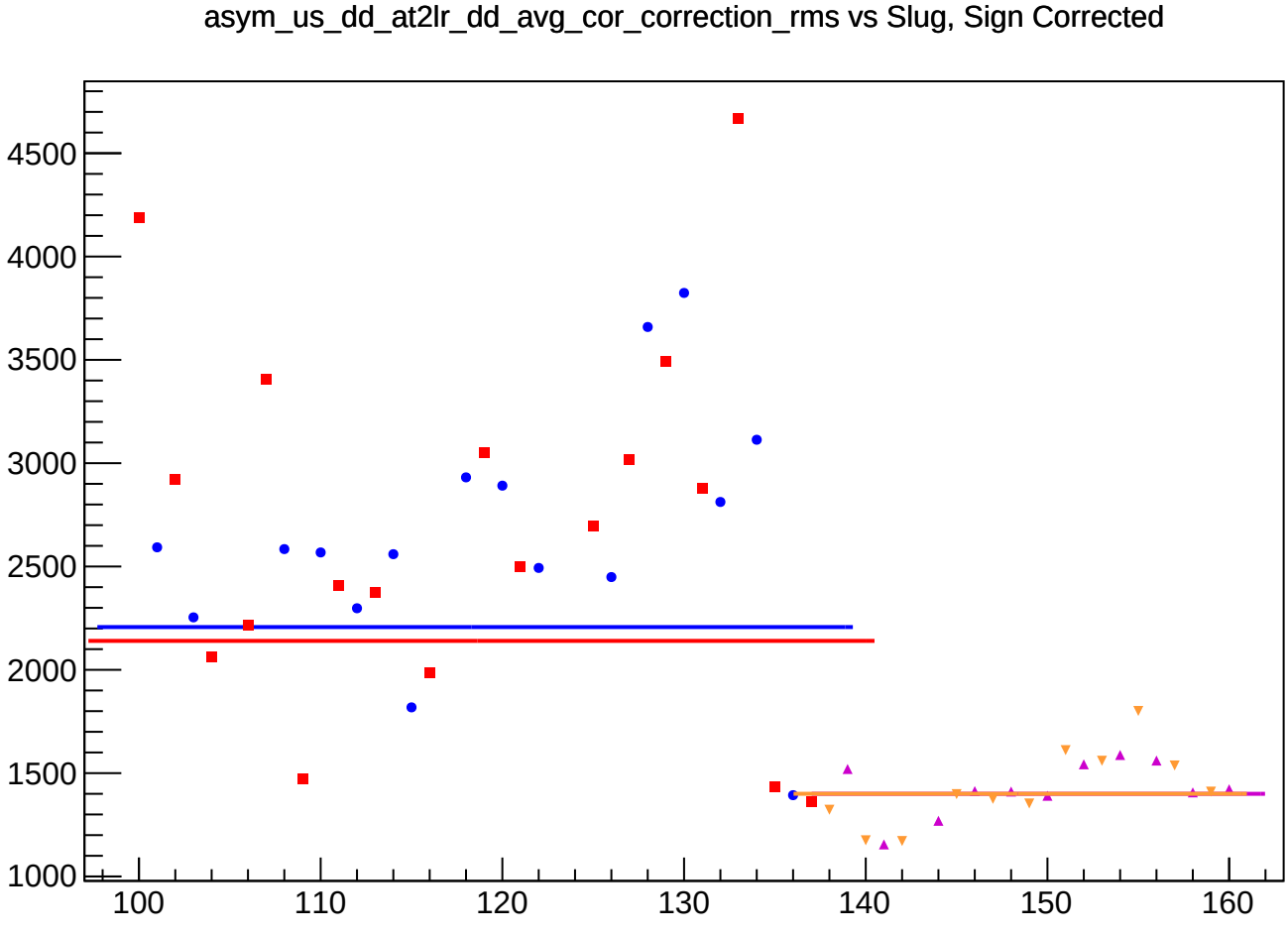
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.546+/-0.375 χ^2/NDF:229367.9/26

Out: 2151.943+/-0.382 χ^2/NDF:197218.1/28

All: 2157.355+/-0.268 χ^2/NDF: 426978.2/55


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1774.507+/-478.748 χ²/NDF:36.9/10
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 475.811+/-455.867 χ²/NDF:7.4/10
Left: -594.289+/-330.139 χ²/NDF: 55.9/21
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: 7.272+/-402.997 χ²/NDF:34.7/26
Out: -1004.036+/-416.787 χ²/NDF:60.6/28
All: -481.375+/-289.714 χ²/NDF: 98.4/55



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: 1399.999+/-0.322 χ^2/NDF:165738.8/10

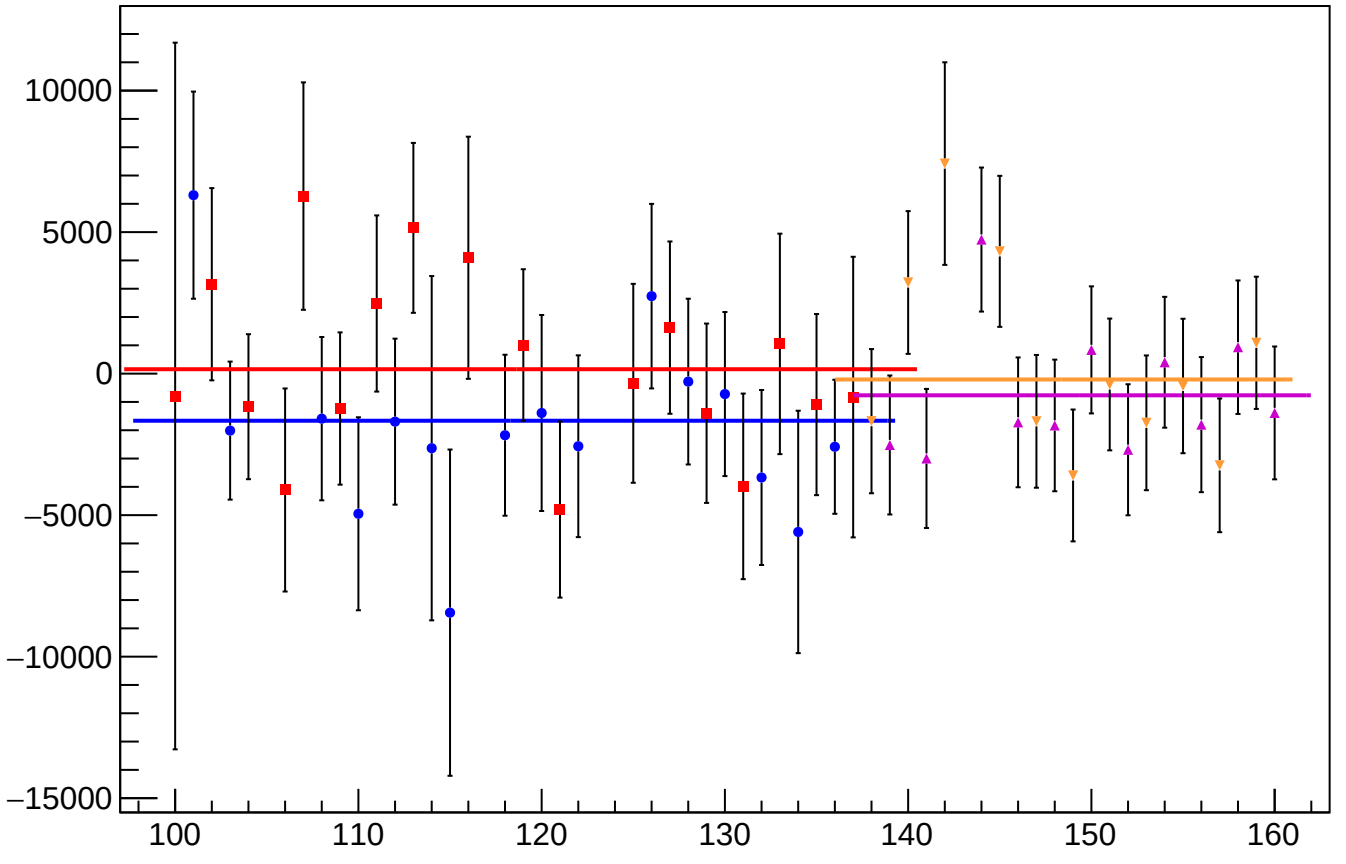
Left: 1400.072+/-0.233 χ^2/NDF: 408892.3/21

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1576.315+/-0.285 χ^2/NDF:2783985.6/26

Out: 1579.282+/-0.295 χ^2/NDF:2848060.7/28

All: 1577.749+/-0.205 χ^2/NDF: 5632098.7/55



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -206.418+/-746.032 χ^2/NDF:14.5/10

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -765.883+/-712.448 χ^2/NDF:8.6/10

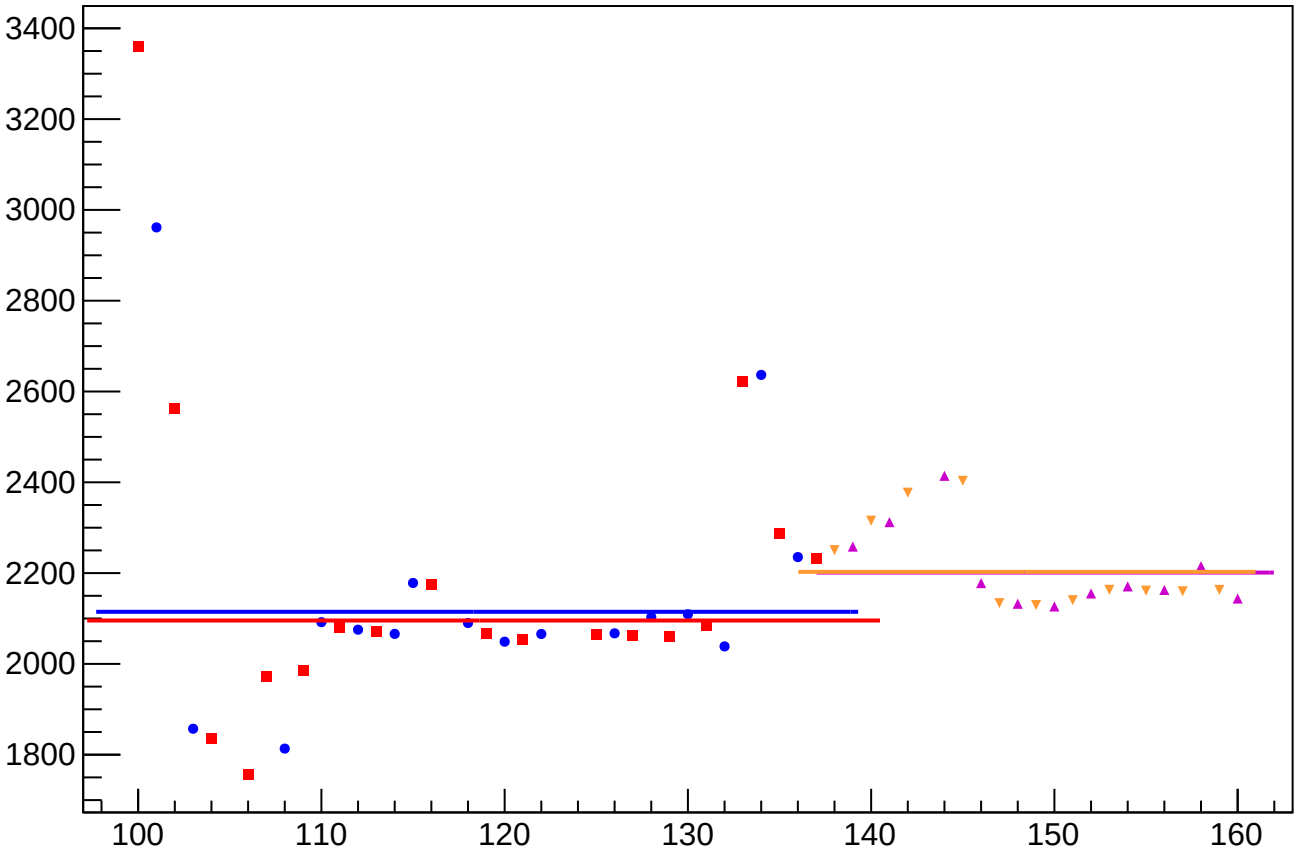
Left: -499.026+/-515.241 χ^2/NDF: 23.4/21

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1167.595+/-529.725 χ^2/NDF:20.1/26

Out: -34.645+/-540.933 χ^2/NDF:28.8/28

All: -612.979+/-378.472 χ^2/NDF: 51.2/55



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: 2201.202+/-0.504 χ^2/NDF:26279.9/10

Left: 2201.951+/-0.364 χ^2/NDF: 54566.4/21

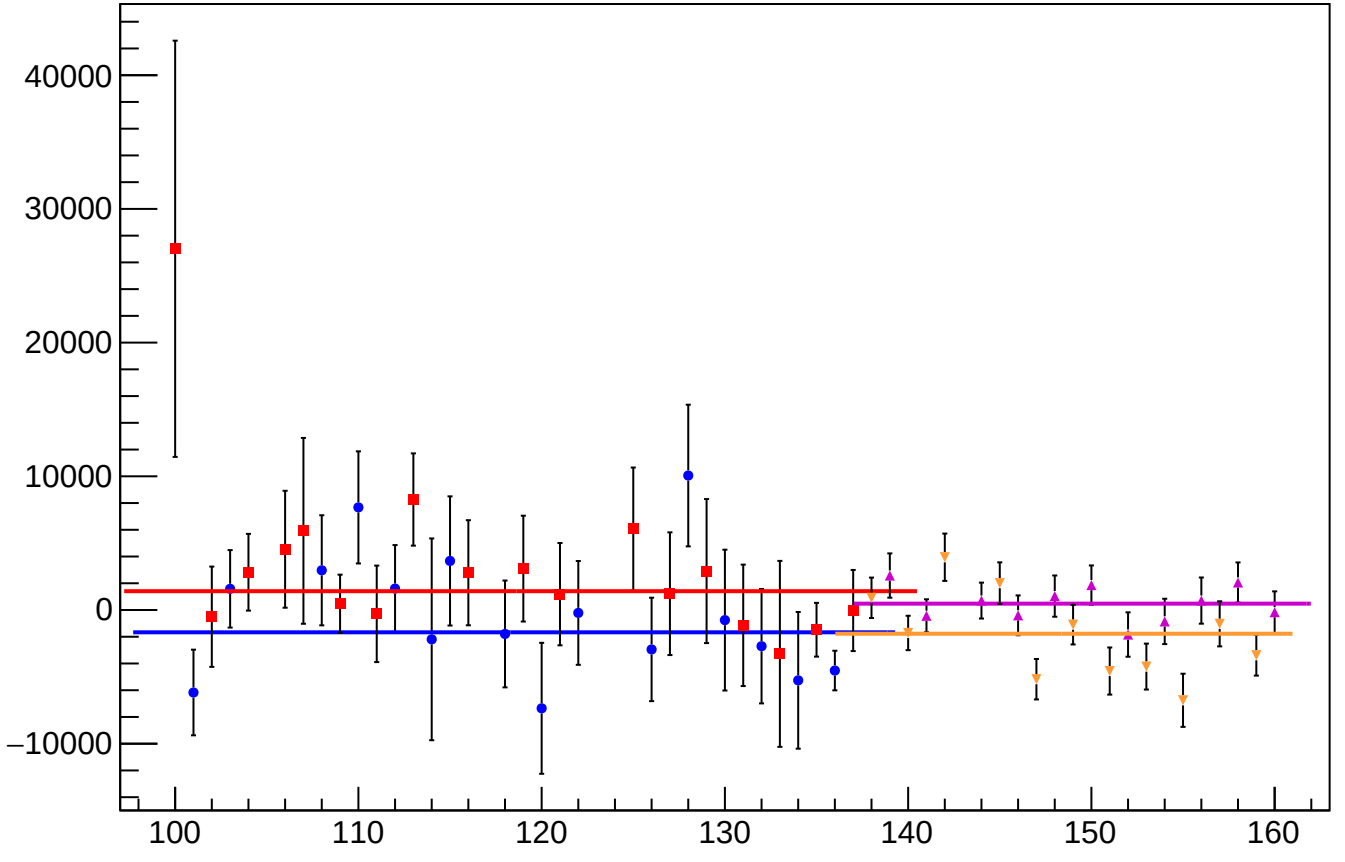
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.546+/-0.375 χ^2/NDF:229367.9/26

Out: 2151.943+/-0.382 χ^2/NDF:197218.1/28

All: 2157.355+/-0.268 χ^2/NDF: 426978.2/55

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: 475.811+/-455.867 χ^2/NDF:7.4/10

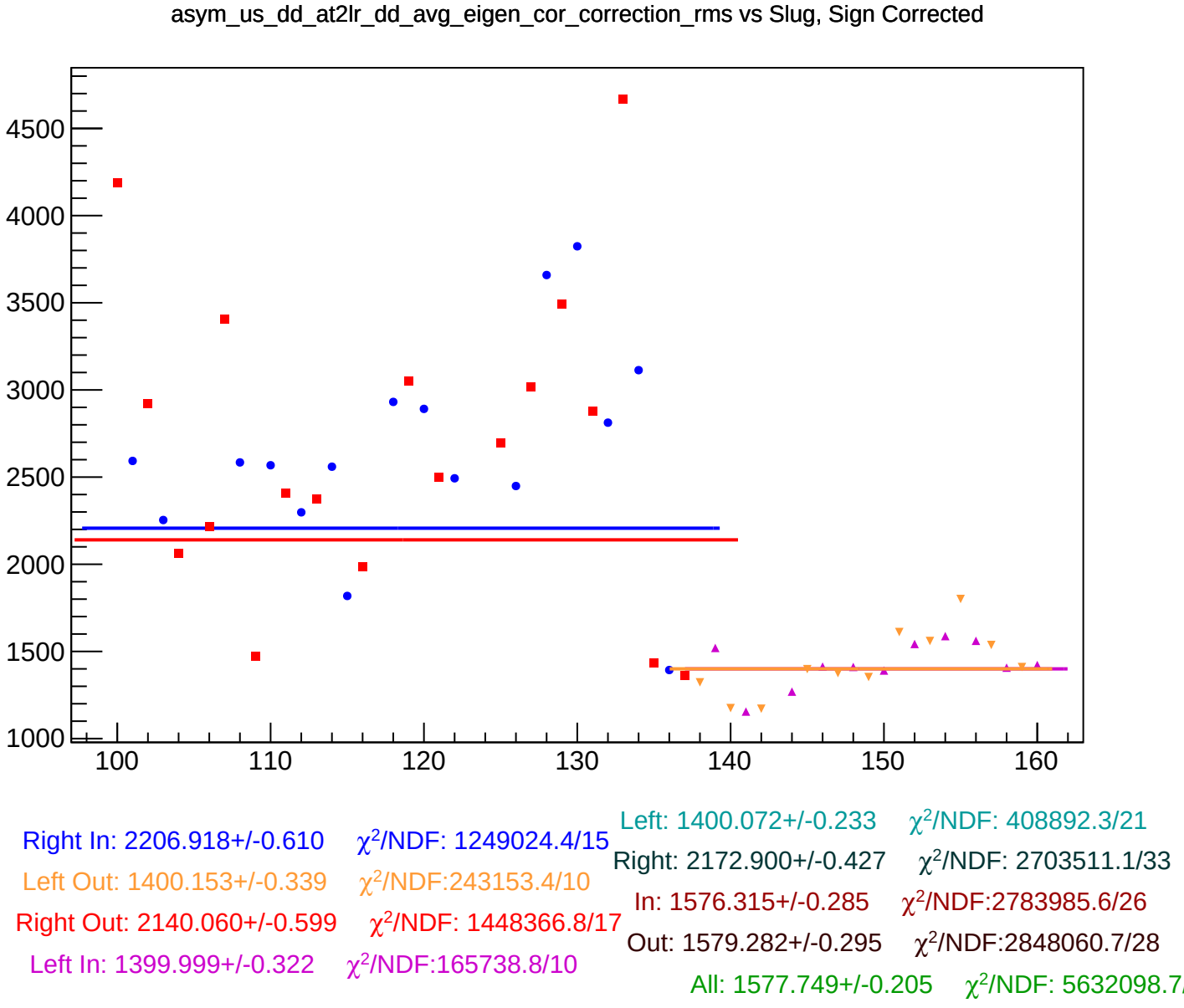
Left: -594.289+/-330.139 χ^2/NDF: 55.9/21

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 7.272+/-402.997 χ^2/NDF:34.7/26

Out: -1004.036+/-416.787 χ^2/NDF:60.6/28

All: -481.375+/-289.714 χ^2/NDF: 98.4/55


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
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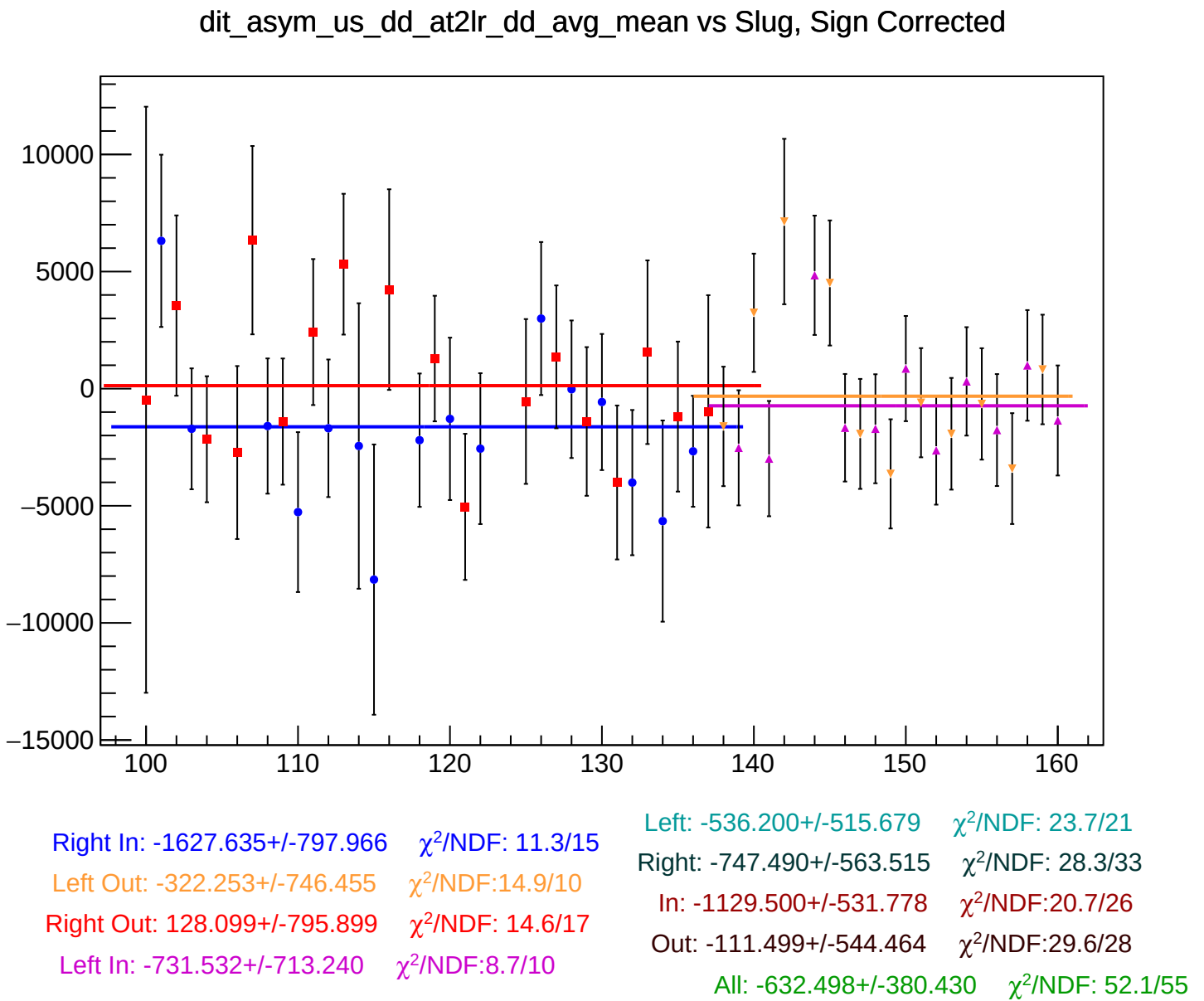
130
140
150
160
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1400.153+/-0.339 χ²/NDF:243153.4/10
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 1399.999+/-0.322 χ²/NDF:165738.8/10
Left: 1400.072+/-0.233 χ²/NDF: 408892.3/21
Right: 2172.900+/-0.427 χ²/NDF: 2703511.1/33
In: 1576.315+/-0.285 χ²/NDF:2783985.6/26
Out: 1579.282+/-0.295 χ²/NDF:2848060.7/28
All: 1577.749+/-0.205 χ²/NDF: 5632098.7/55


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−10000
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110
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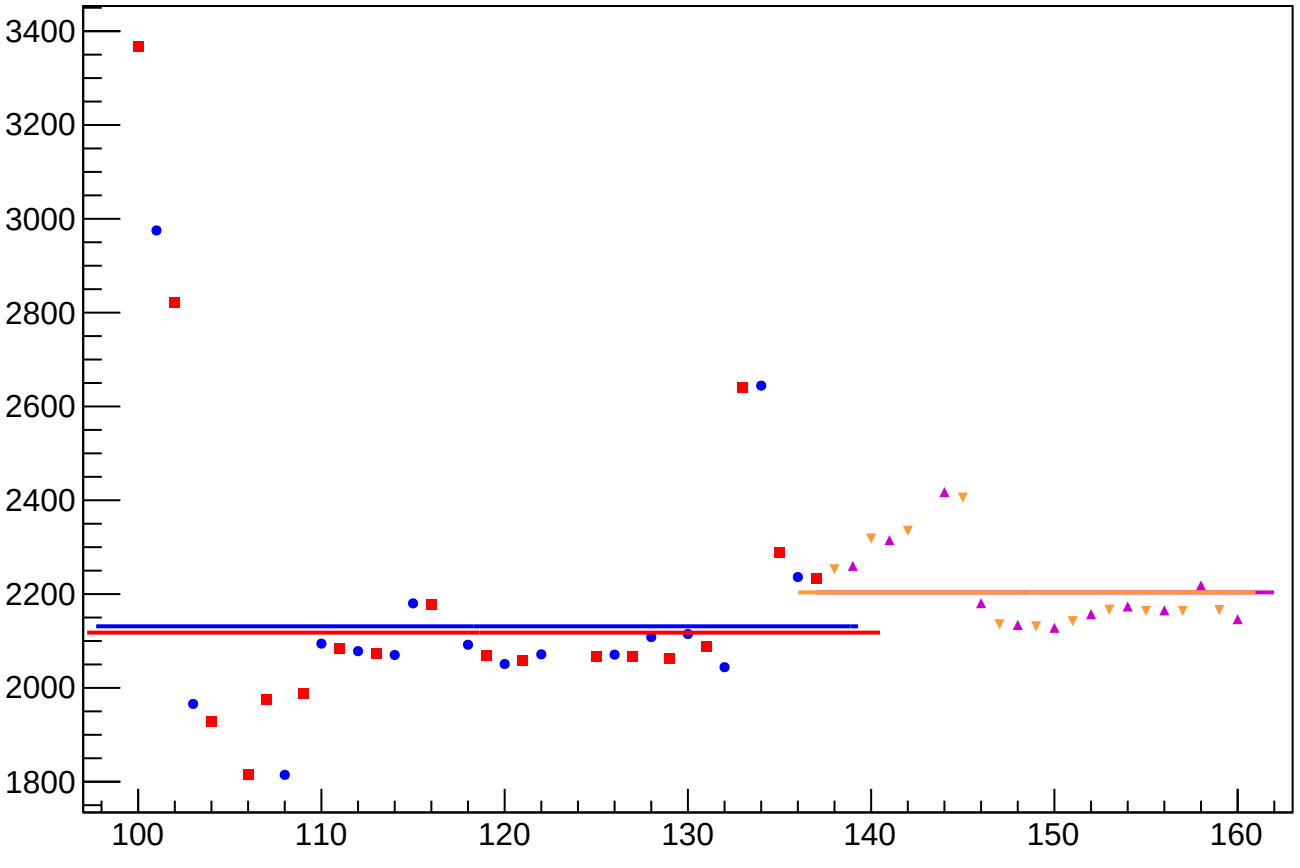
130
140
150
160
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -322.253+/-746.455 χ²/NDF:14.9/10
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -731.532+/-713.240 χ²/NDF:8.7/10
Left: -536.200+/-515.679 χ²/NDF: 23.7/21
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1129.500+/-531.778 χ²/NDF:20.7/26
Out: -111.499+/-544.464 χ²/NDF:29.6/28
All: -632.498+/-380.430 χ²/NDF: 52.1/55



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: 2203.634+/-0.504 χ^2/NDF:26412.9/10

Left: 2203.641+/-0.365 χ^2/NDF: 52608.8/21

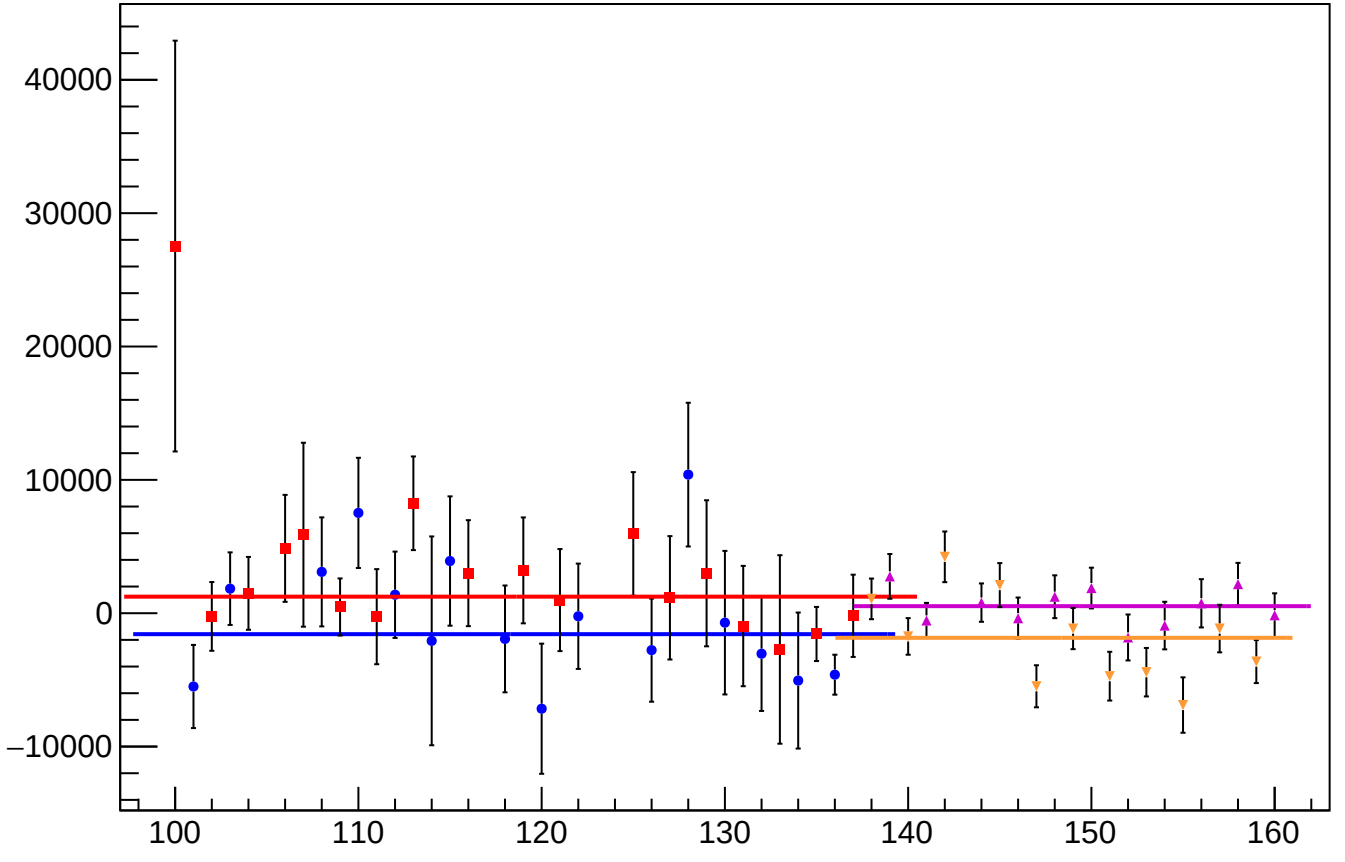
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2171.509+/-0.376 χ^2/NDF:211492.3/26

Out: 2163.505+/-0.385 χ^2/NDF:202178.7/28

All: 2167.601+/-0.269 χ^2/NDF: 413892.3/55

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: 528.839+/-478.820 χ^2/NDF:7.6/10

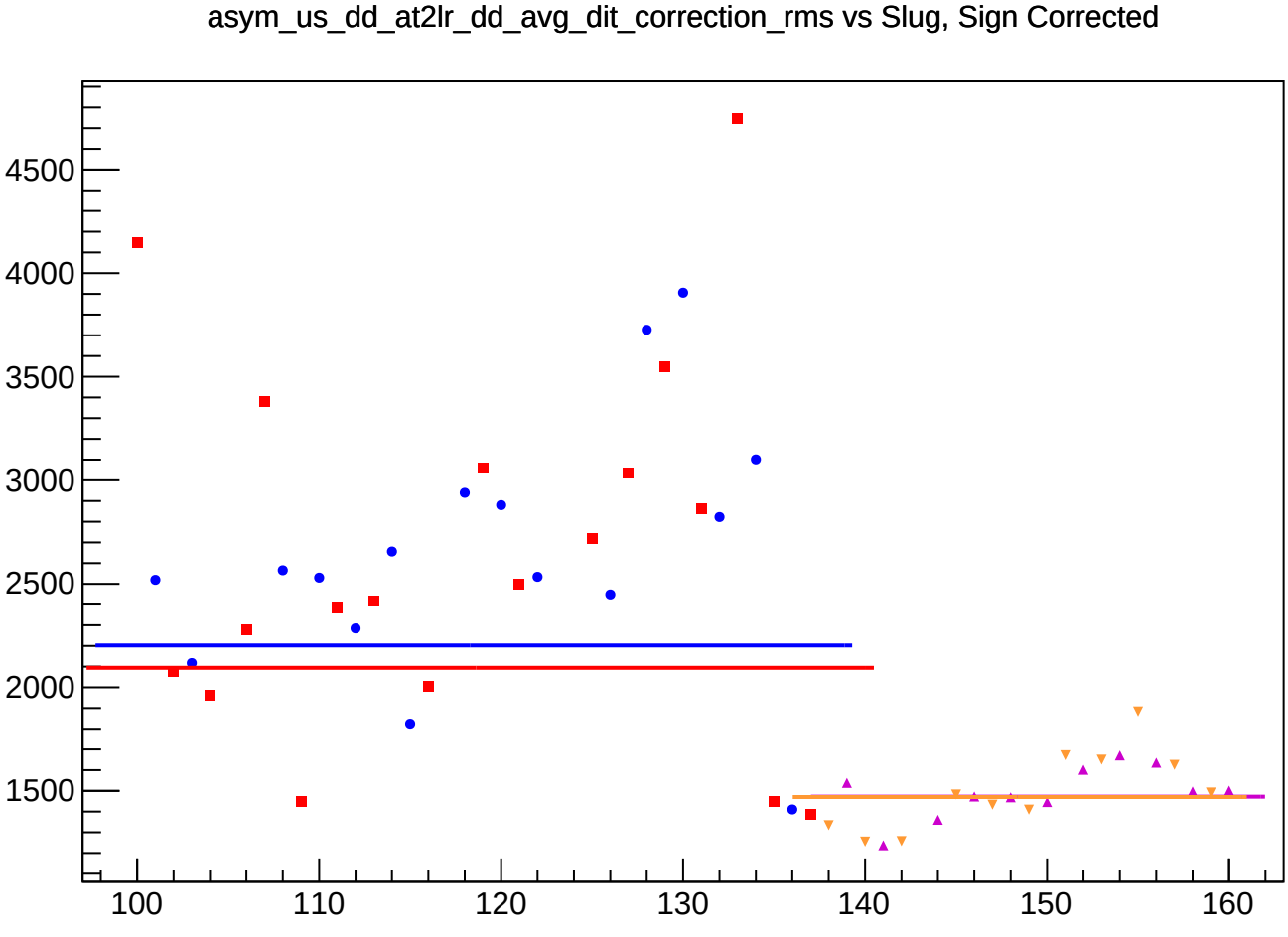
Left: -600.749+/-346.640 χ^2/NDF: 56.2/21

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 31.708+/-418.320 χ^2/NDF:34.7/26

Out: -1002.014+/-428.408 χ^2/NDF:60.3/28

All: -472.839+/-299.300 χ^2/NDF: 98.0/55



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: 1472.003+/-0.339 χ^2/NDF:132756.0/10

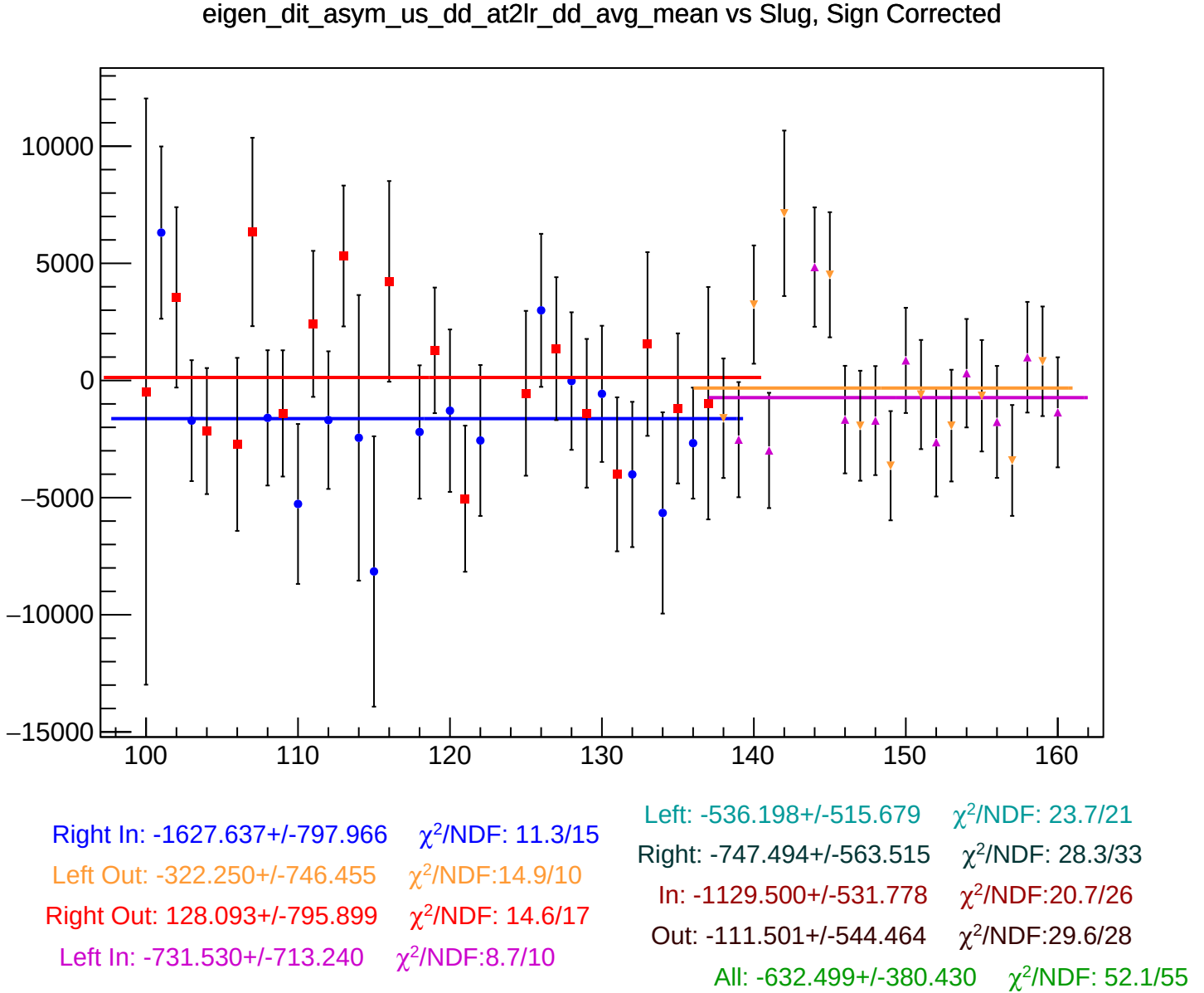
Left: 1471.187+/-0.245 χ^2/NDF: 366065.2/21

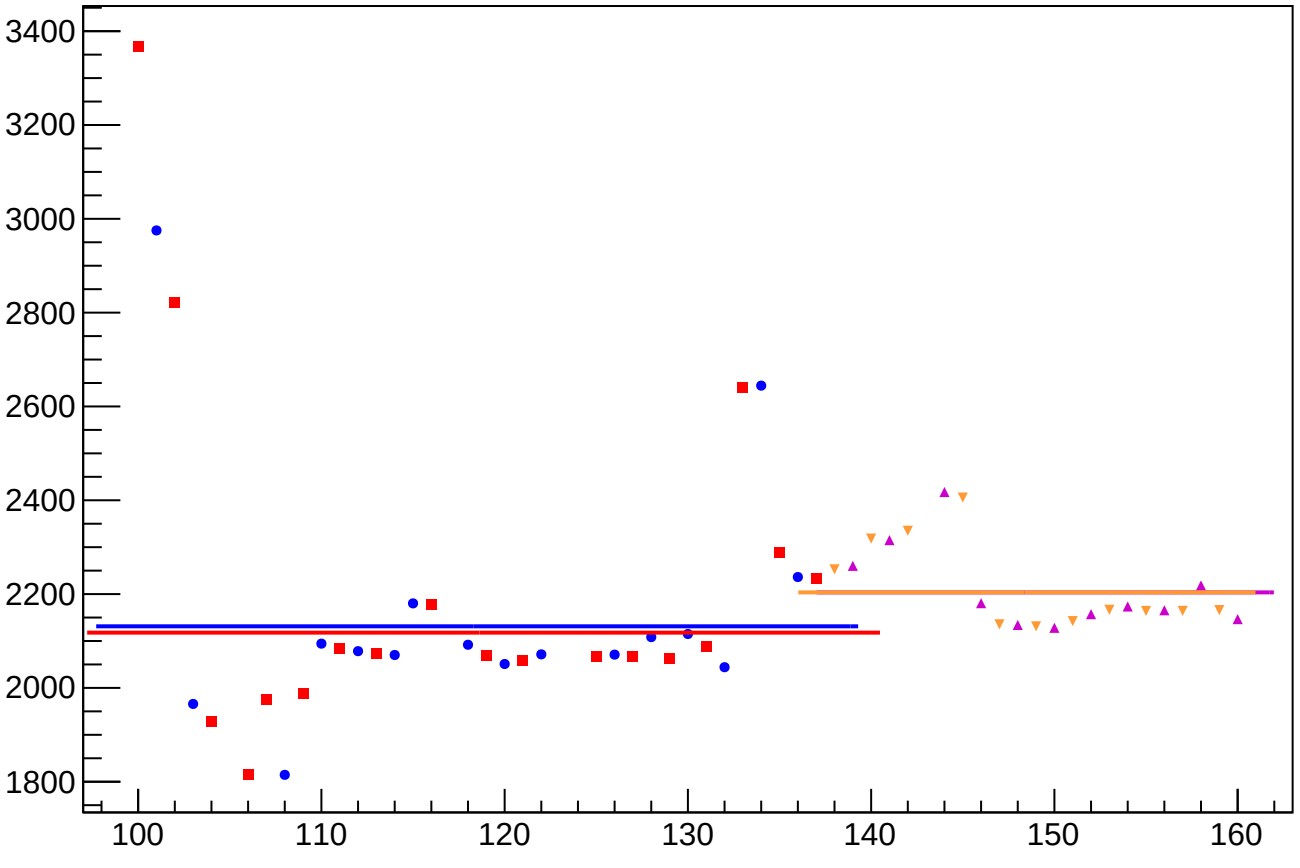
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1644.911+/-0.296 χ^2/NDF:2457380.6/26

Out: 1640.747+/-0.303 χ^2/NDF:2449728.2/28

All: 1642.879+/-0.212 χ^2/NDF: 4907205.5/55


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: -731.530+/-713.240 χ²/NDF:8.7/10
Left: -536.198+/-515.679 χ²/NDF: 23.7/21
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1129.500+/-531.778 χ²/NDF:20.7/26
Out: -111.501+/-544.464 χ²/NDF:29.6/28
All: -632.499+/-380.430 χ²/NDF: 52.1/55



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: 2203.634+/-0.504 χ^2/NDF:26413.0/10

Left: 2203.641+/-0.365 χ^2/NDF: 52608.9/21

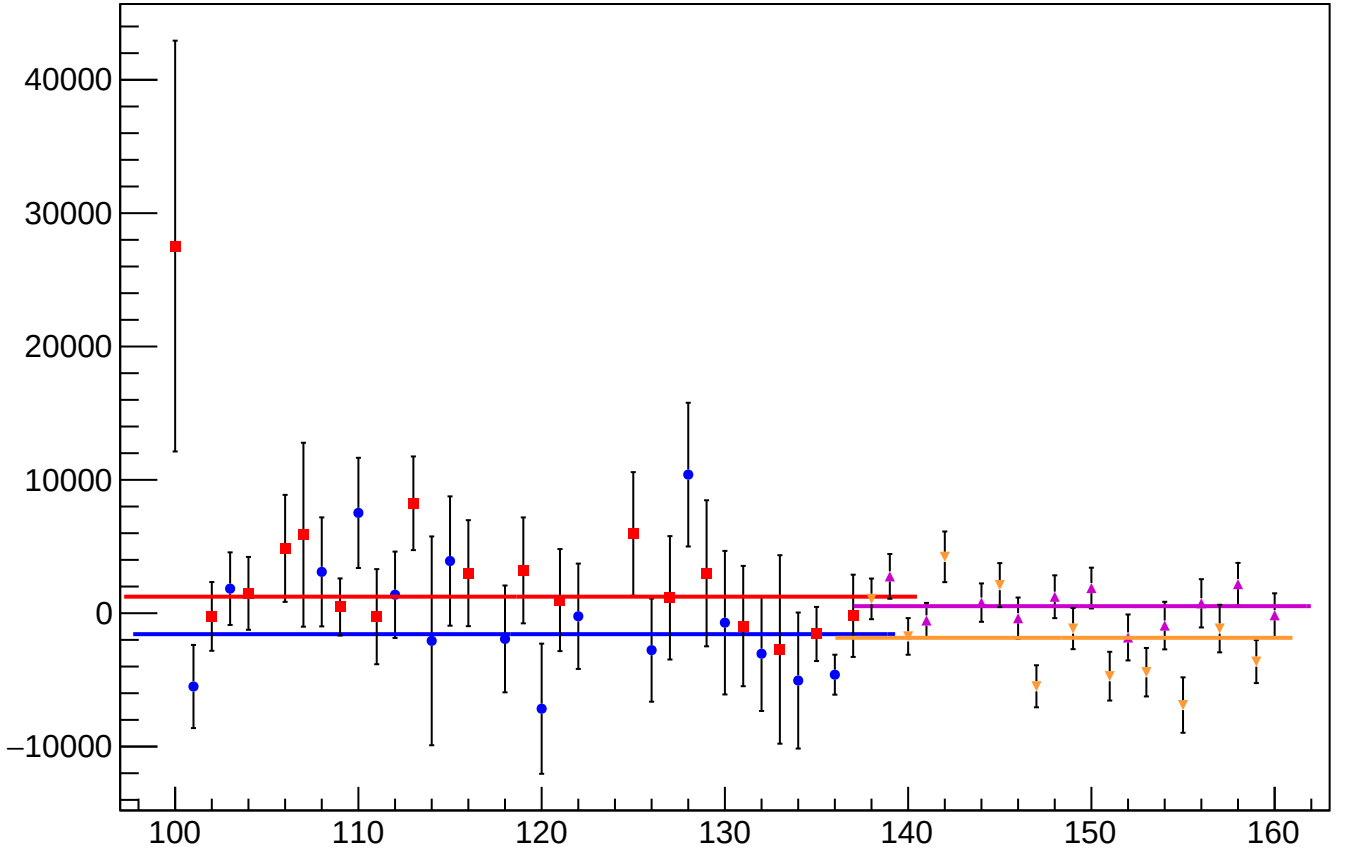
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2171.509+/-0.376 χ^2/NDF:211492.4/26

Out: 2163.505+/-0.385 χ^2/NDF:202178.7/28

All: 2167.601+/-0.269 χ^2/NDF: 413892.3/55

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: 528.835+/-478.821 χ^2/NDF:7.6/10

Left: -600.754+/-346.641 χ^2/NDF: 56.2/21

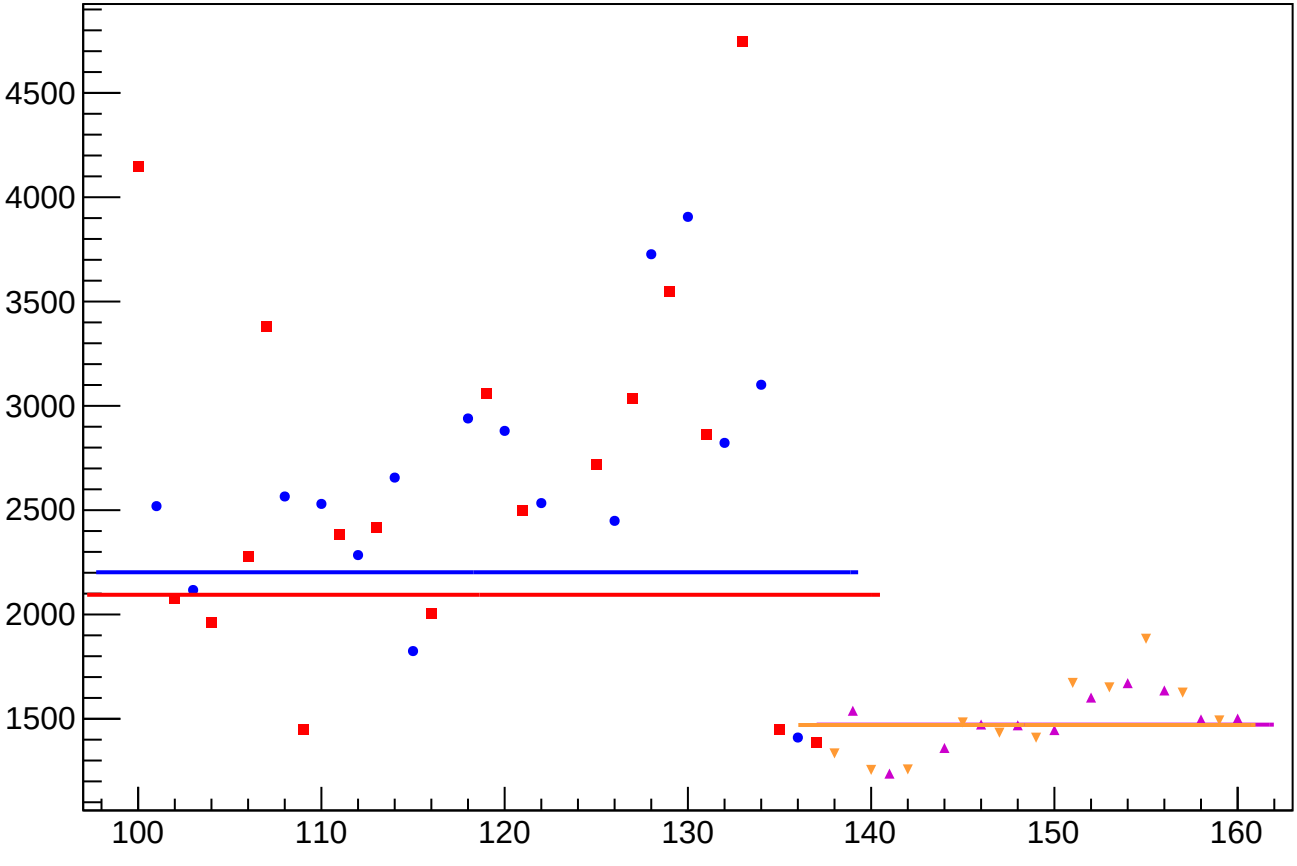
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 31.710+/-418.321 χ^2/NDF:34.7/26

Out: -1002.019+/-428.409 χ^2/NDF:60.3/28

All: -472.840+/-299.301 χ^2/NDF: 98.0/55

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: 1472.005+/-0.339 χ^2/NDF:132756.7/10

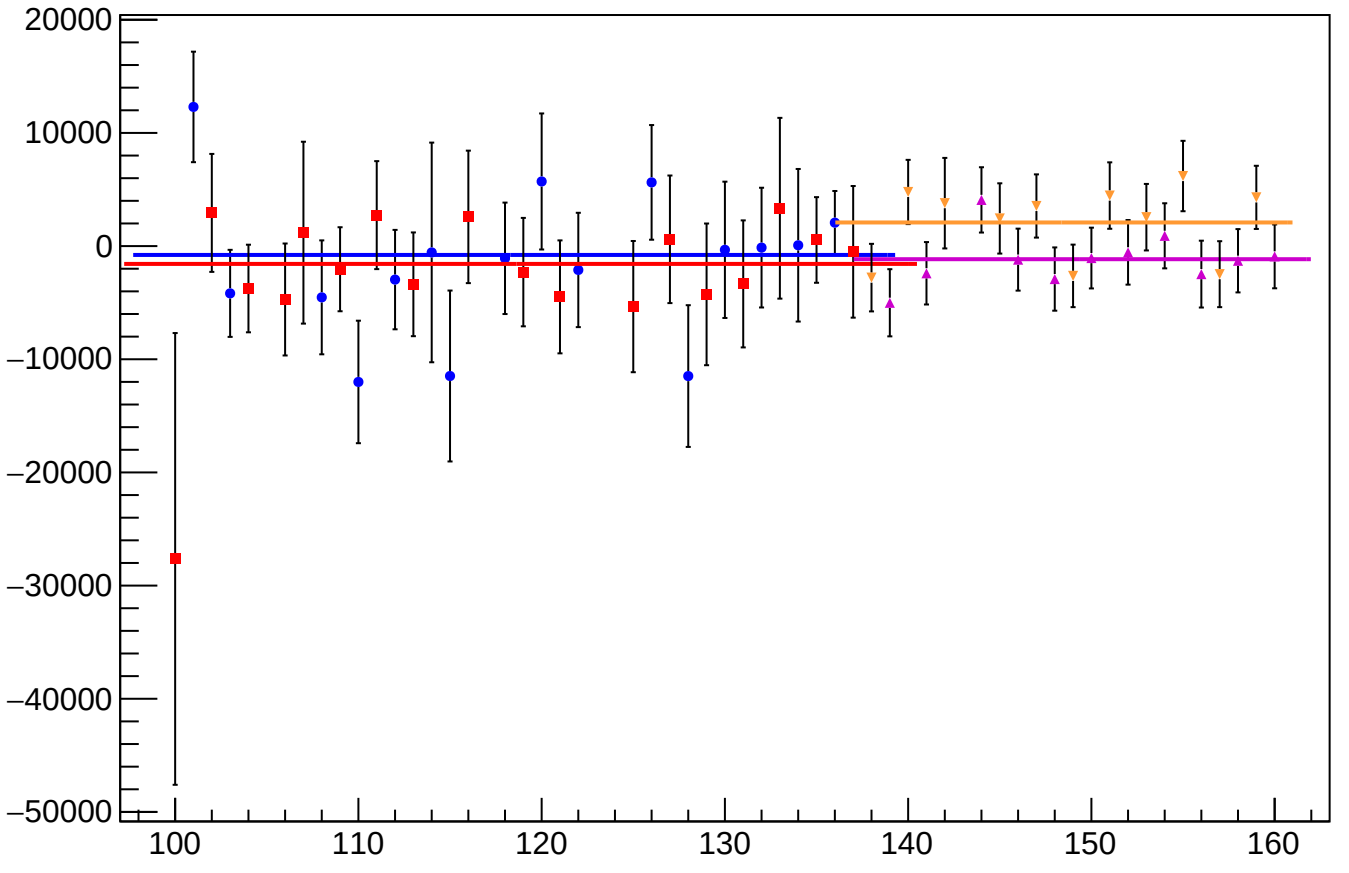
Left: 1471.191+/-0.245 χ^2/NDF: 366054.6/21

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1644.915+/-0.296 χ^2/NDF:2457346.1/26

Out: 1640.754+/-0.303 χ^2/NDF:2449682.1/28

All: 1642.884+/-0.212 χ^2/NDF: 4907124.8/55



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: -1157.960+/-852.201 χ^2/NDF:6.4/10

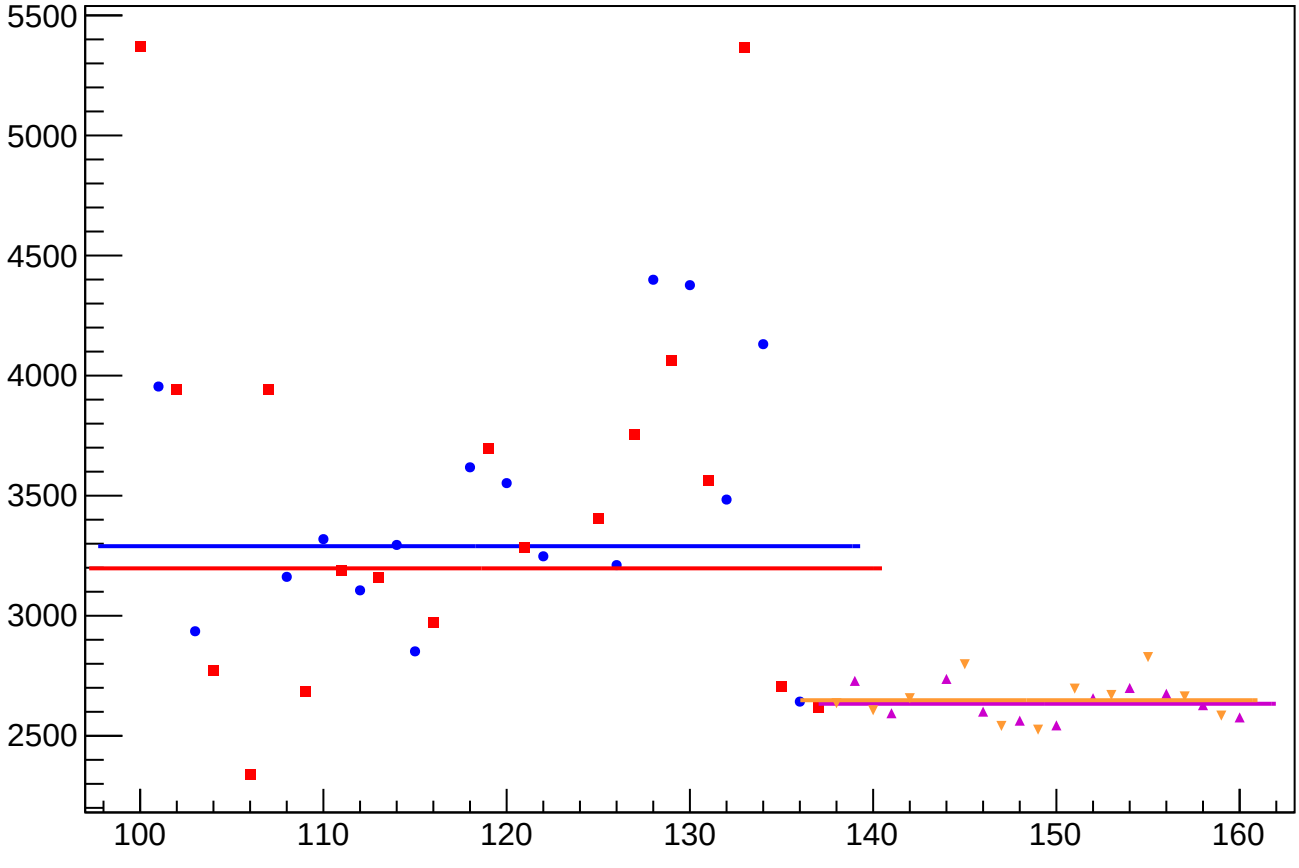
Left: 381.886+/-617.793 χ^2/NDF: 25.7/21

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1037.455+/-702.639 χ^2/NDF:28.3/26

Out: 801.216+/-722.414 χ^2/NDF:25.0/28

All: -143.629+/-503.687 χ^2/NDF: 56.7/55



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: 2633.494+/-0.603 χ^2/NDF:11237.4/10

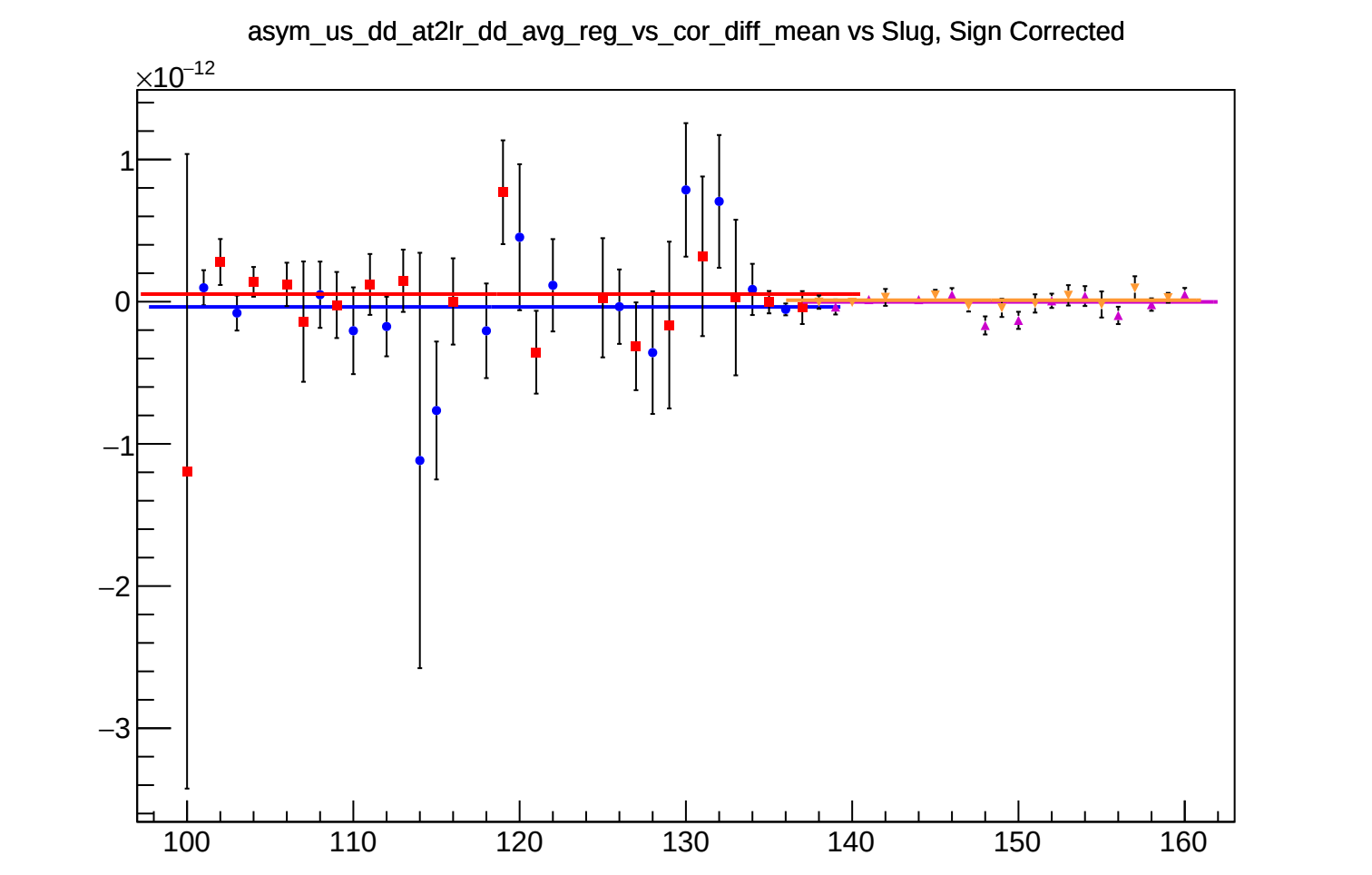
Left: 2640.492+/-0.437 χ^2/NDF: 31965.9/21

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2843.609+/-0.497 χ^2/NDF:738527.4/26

Out: 2841.118+/-0.511 χ^2/NDF:783711.0/28

All: 2842.398+/-0.356 χ^2/NDF: 1522250.6/55



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:18.1/10

Left: 0.000+/-0.000 χ^2/NDF: 23.2/21

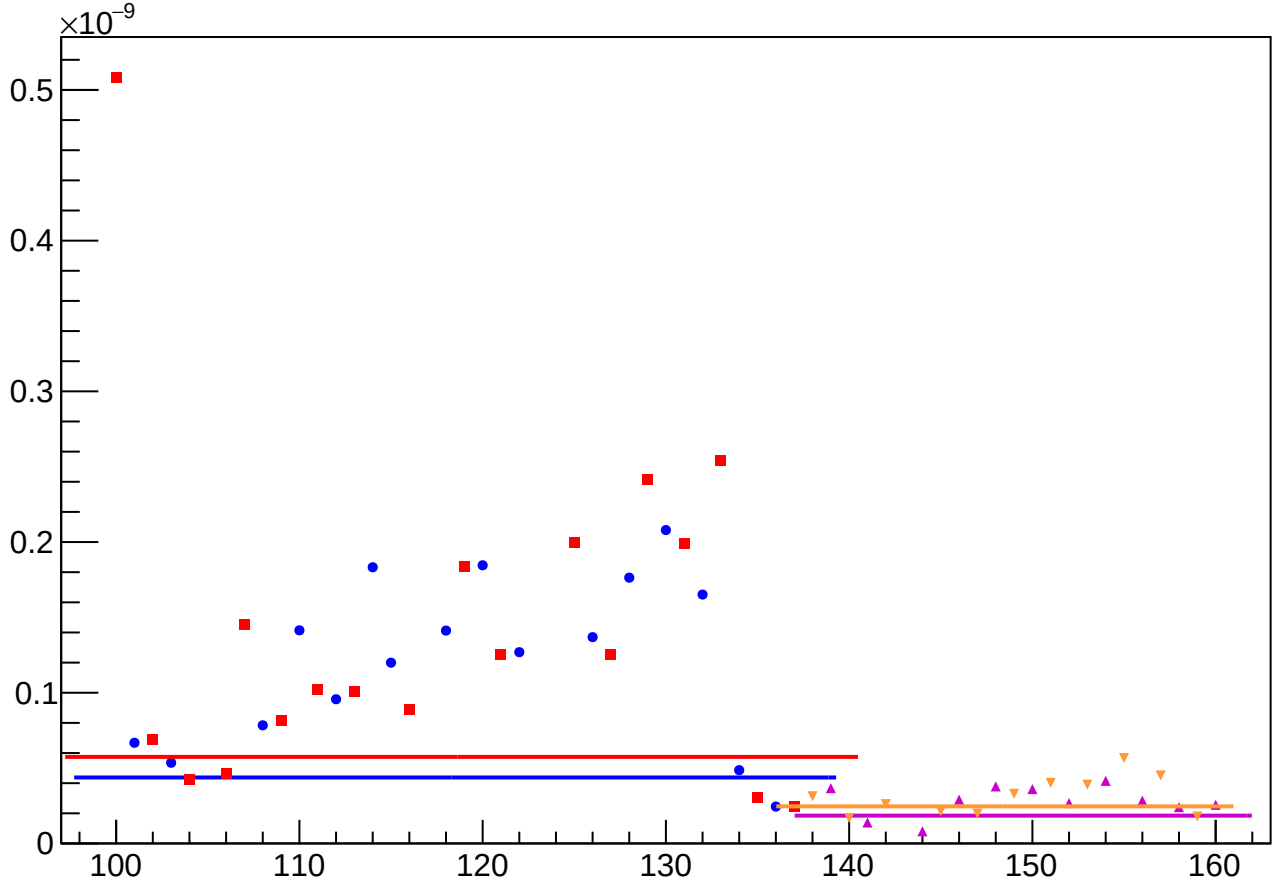
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:32.2/26

Out: 0.000+/-0.000 χ^2/NDF:18.1/28

All: 0.000+/-0.000 χ^2/NDF: 51.6/55

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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:1813347.0/10

Left: 0.000+/-0.000 χ^2/NDF: 2913888.1/21

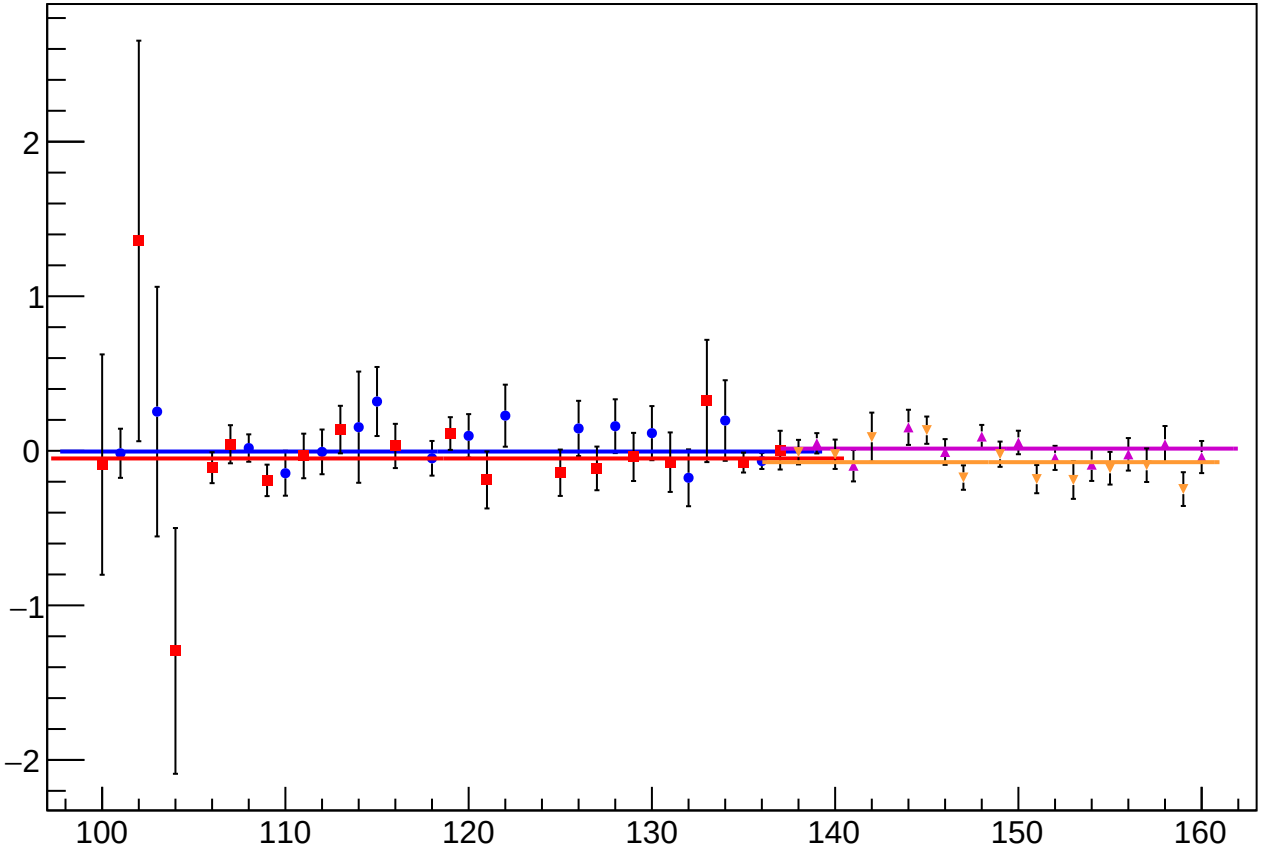
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5015603.2/26

Out: 0.000+/-0.000 χ^2/NDF:3998157.2/28

All: 0.000+/-0.000 χ^2/NDF: 9315155.6/55

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: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.026+/-0.020 χ^2/NDF: 25.9/21

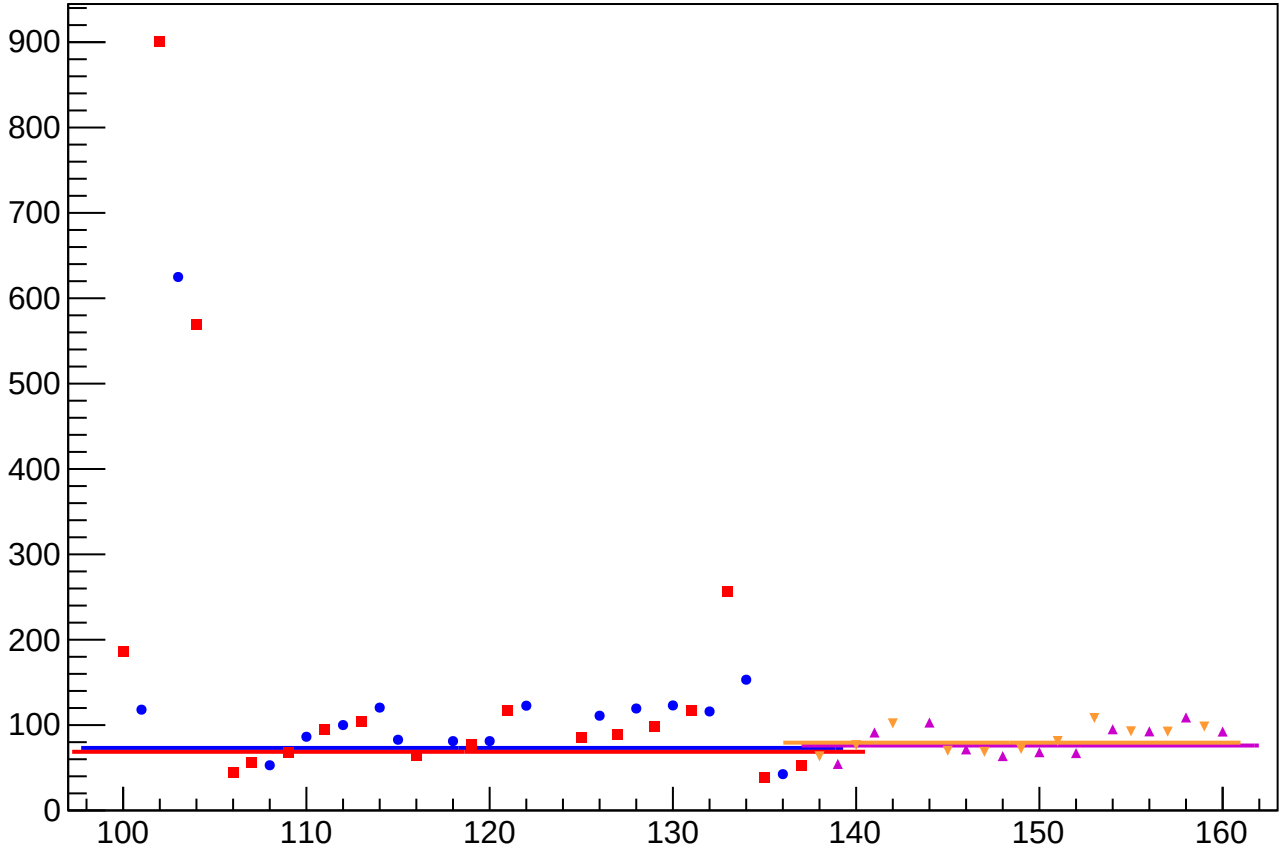
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.027+/-0.015 χ^2/NDF: 50.2/55

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: 76.062+/-0.019 χ^2/NDF:798957.6/10

Left: 77.601+/-0.014 χ^2/NDF: 1245077.4/21

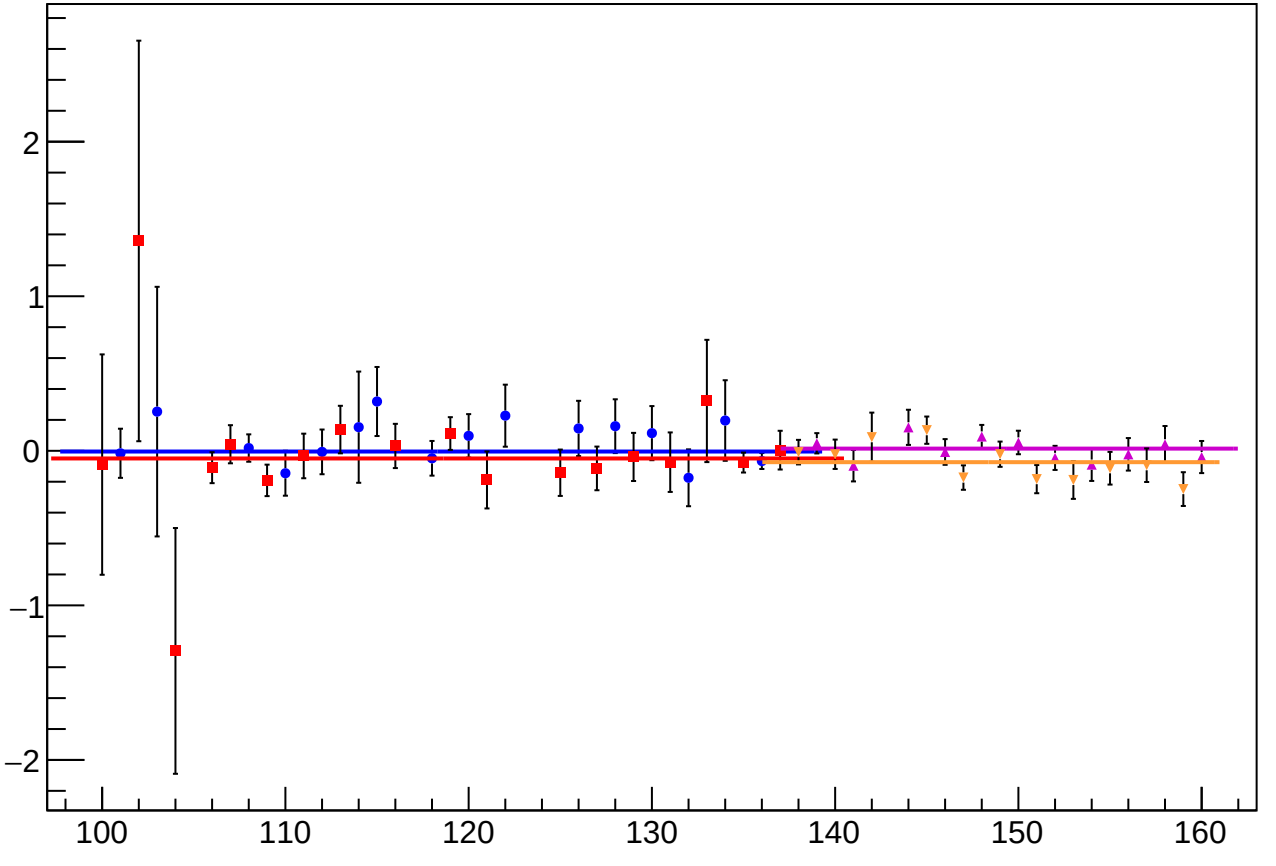
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.914+/-0.015 χ^2/NDF:3662705.2/26

Out: 74.547+/-0.015 χ^2/NDF:3887572.3/28

All: 74.738+/-0.010 χ^2/NDF: 7550584.8/55

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: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.026+/-0.020 χ^2/NDF: 25.9/21

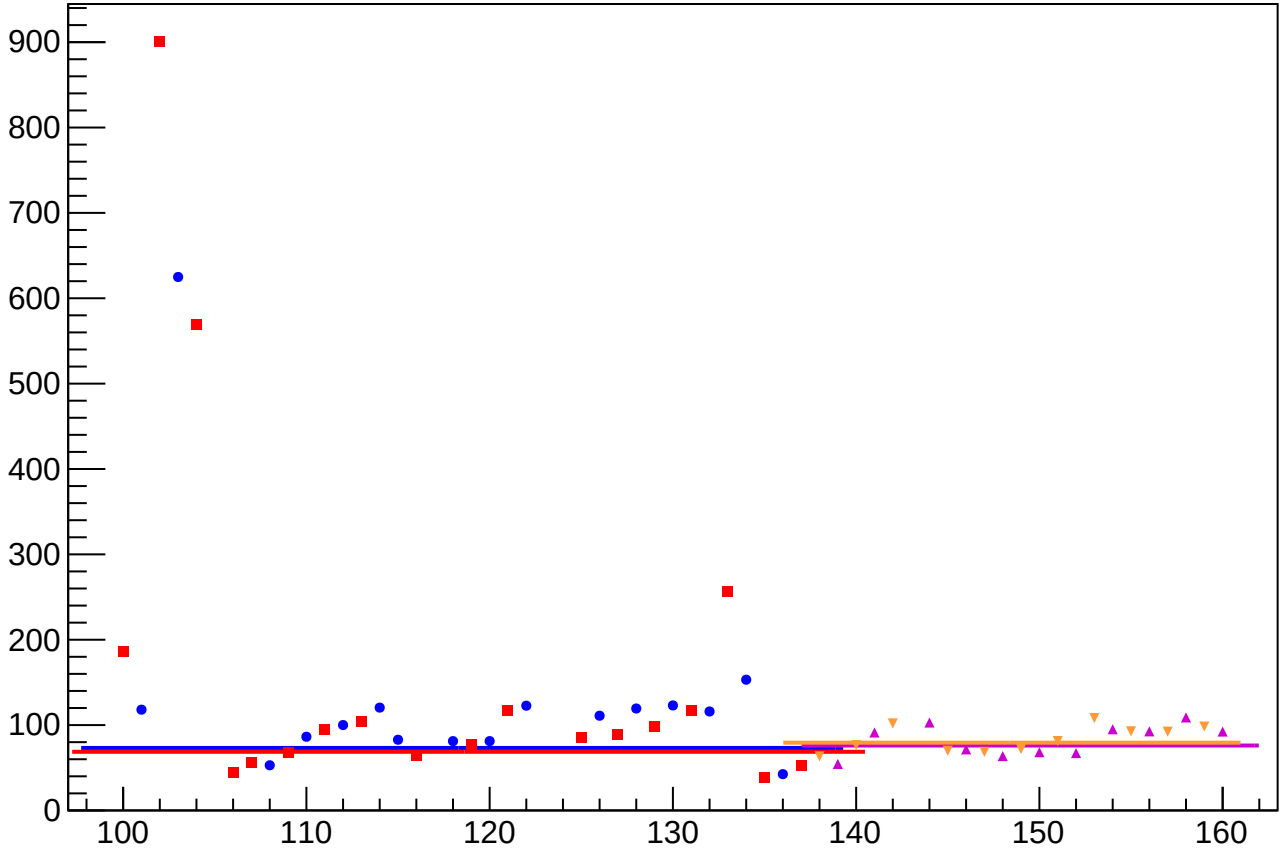
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.027+/-0.015 χ^2/NDF: 50.2/55

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: 76.062+/-0.019 χ^2/NDF:798957.6/10

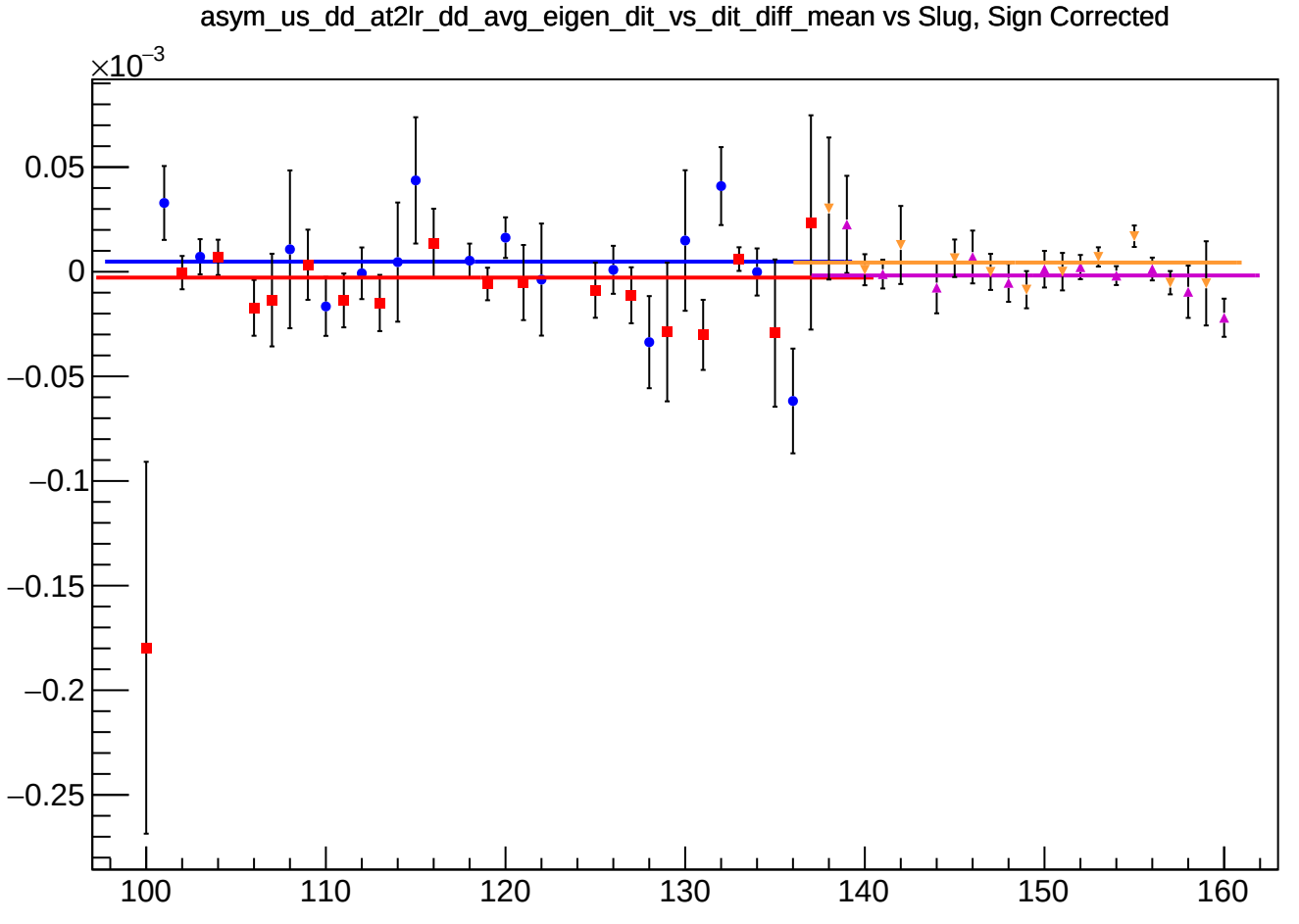
Left: 77.601+/-0.014 χ^2/NDF: 1245077.4/21

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

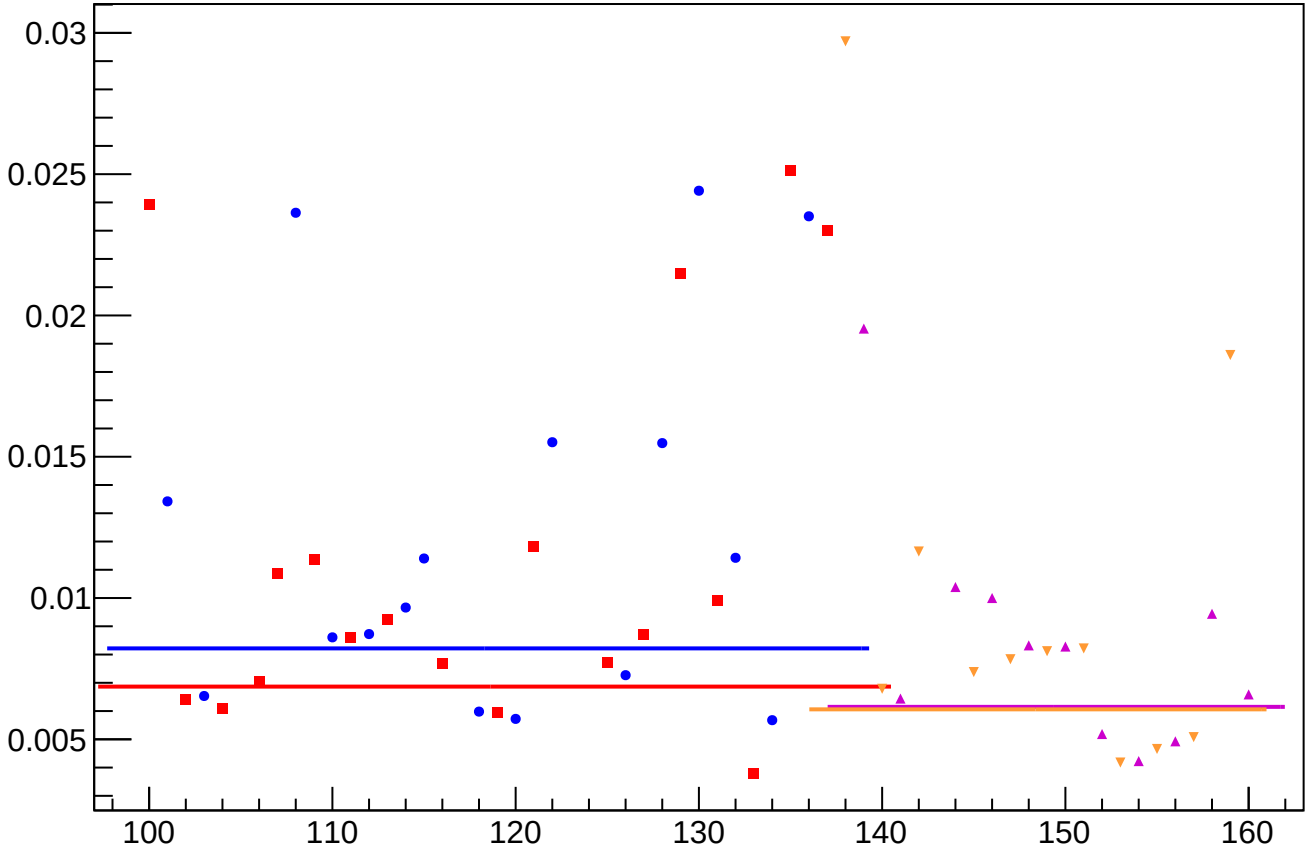
In: 74.914+/-0.015 χ^2/NDF:3662705.2/26

Out: 74.547+/-0.015 χ^2/NDF:3887572.3/28

All: 74.738+/-0.010 χ^2/NDF: 7550584.8/55


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.3/10
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:8.2/10
Left: 0.000+/-0.000 χ²/NDF: 25.1/21
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: 0.000+/-0.000 χ²/NDF:33.3/26
Out: 0.000+/-0.000 χ²/NDF:34.0/28
All: 0.000+/-0.000 χ²/NDF: 67.5/55

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:1986151.0/10

Left: 0.006+/-0.000 χ^2/NDF: 4831354.4/21

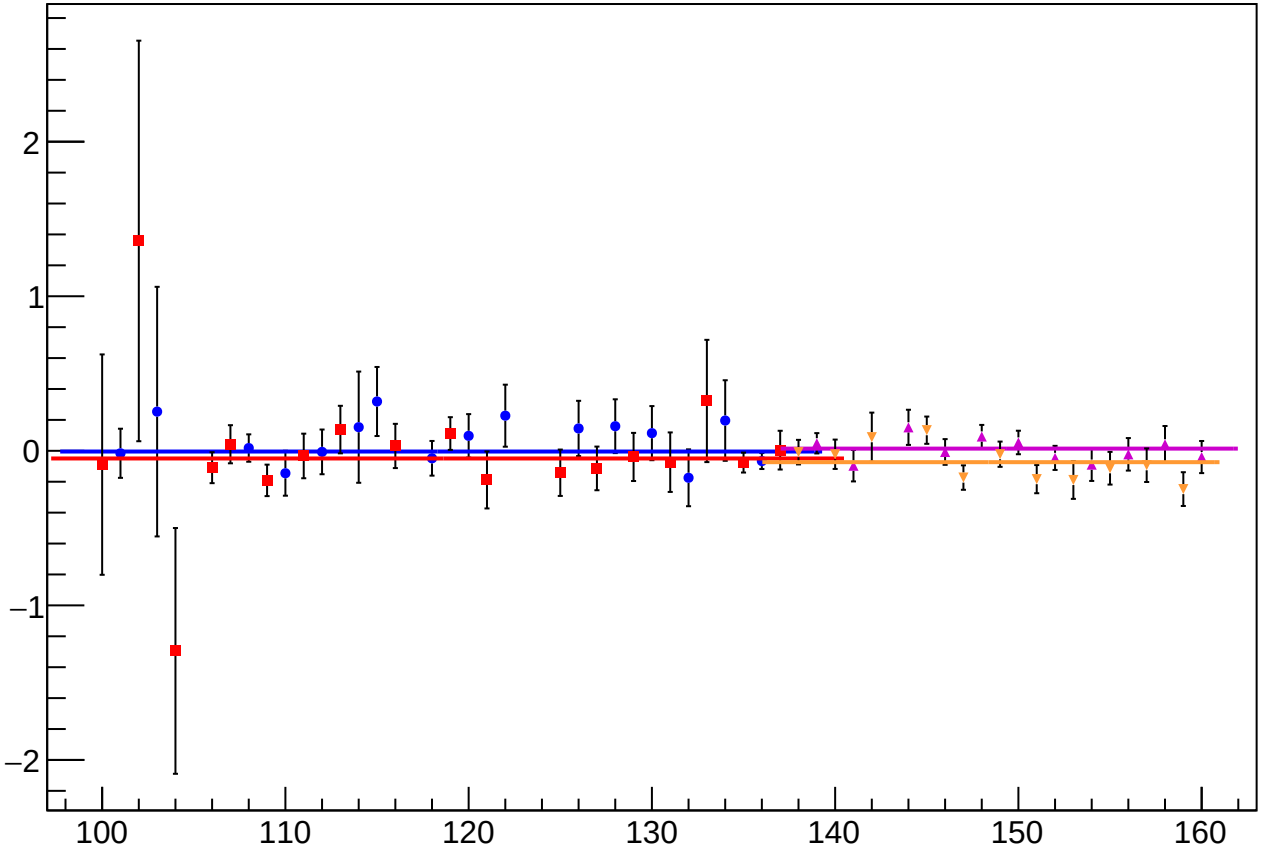
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5134368.4/26

Out: 0.006+/-0.000 χ^2/NDF:5368168.8/28

All: 0.007+/-0.000 χ^2/NDF: 10547703.6/55

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: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.026+/-0.020 χ^2/NDF: 25.9/21

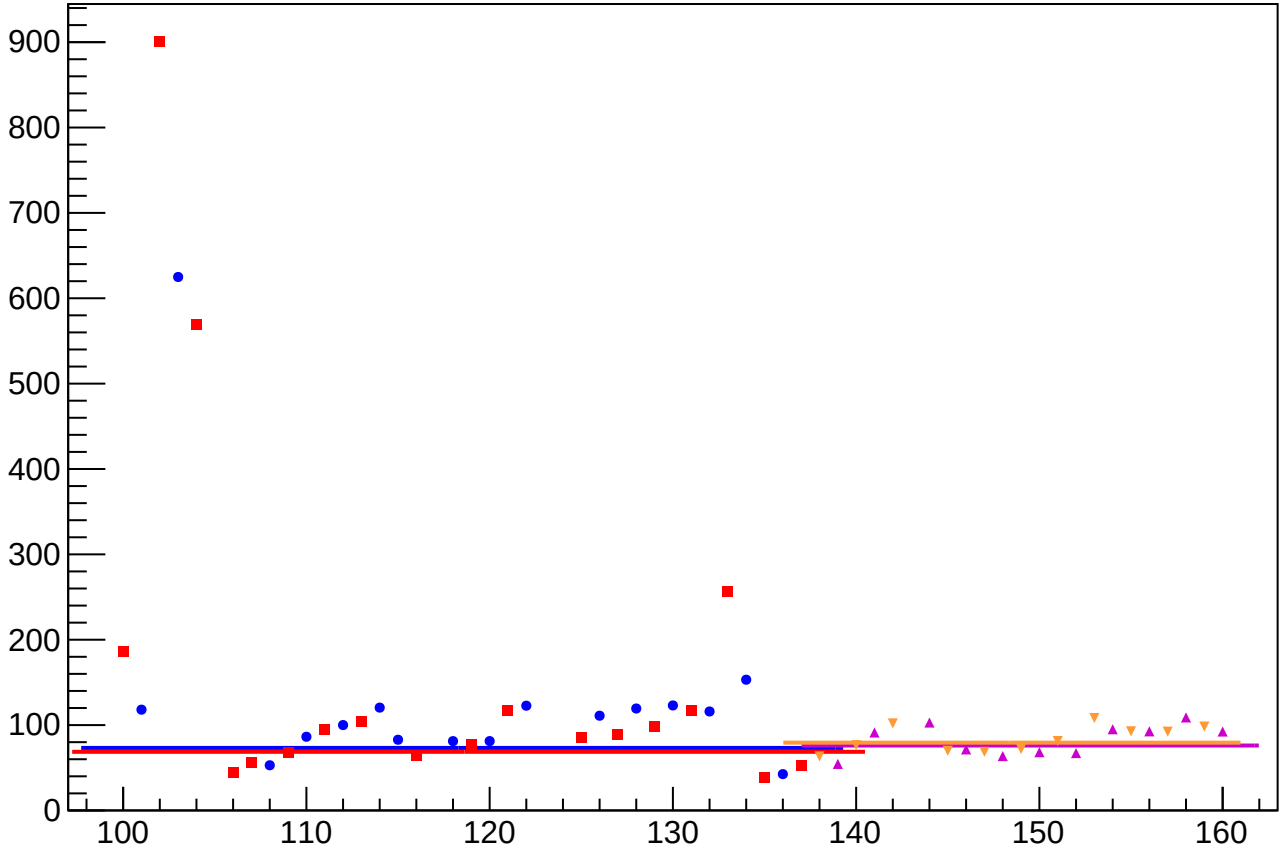
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.027+/-0.015 χ^2/NDF: 50.2/55

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: 76.064+/-0.019 χ^2/NDF:798737.0/10

Left: 77.602+/-0.014 χ^2/NDF: 1244841.0/21

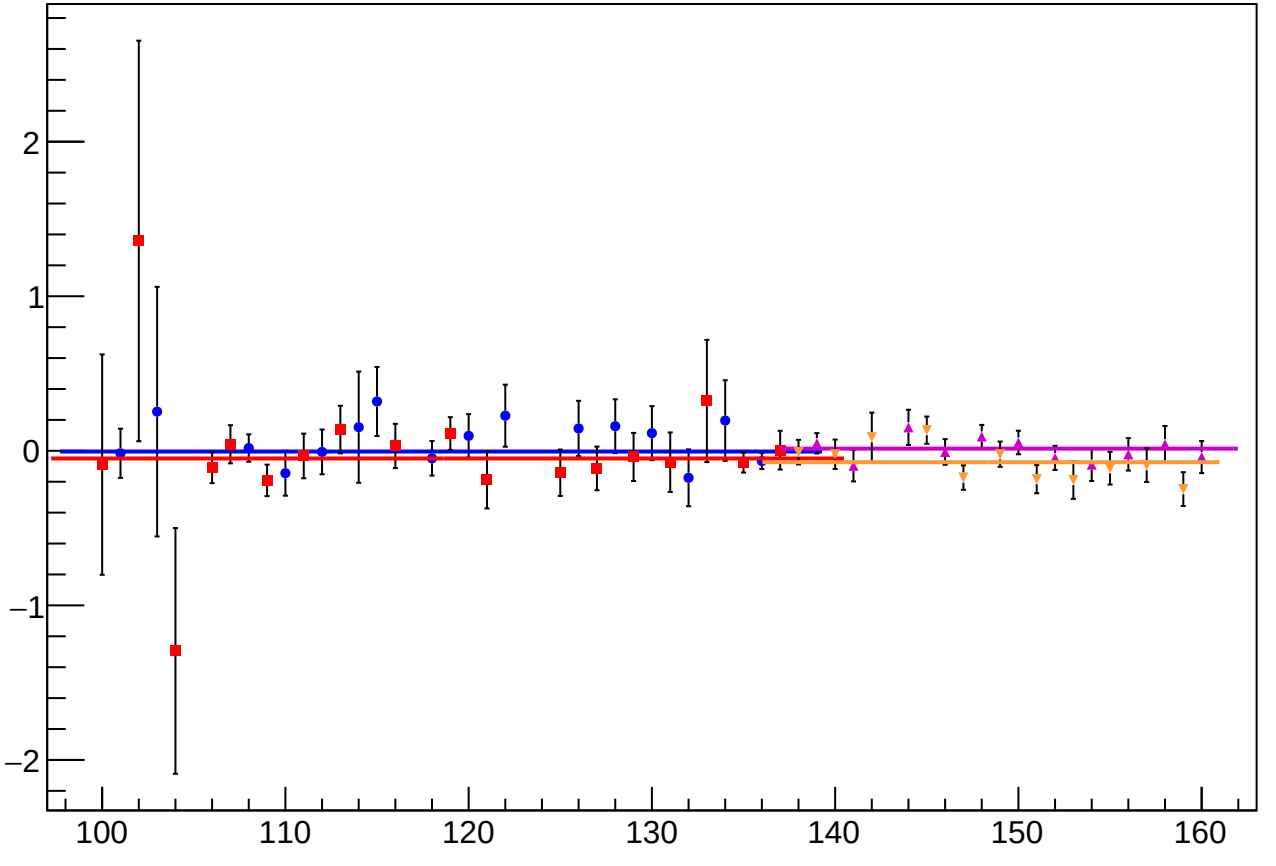
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.926+/-0.015 χ^2/NDF:3660041.5/26

Out: 74.542+/-0.015 χ^2/NDF:3888861.9/28

All: 74.742+/-0.010 χ^2/NDF: 7549239.6/55

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: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.026+/-0.020 χ^2/NDF: 25.9/21

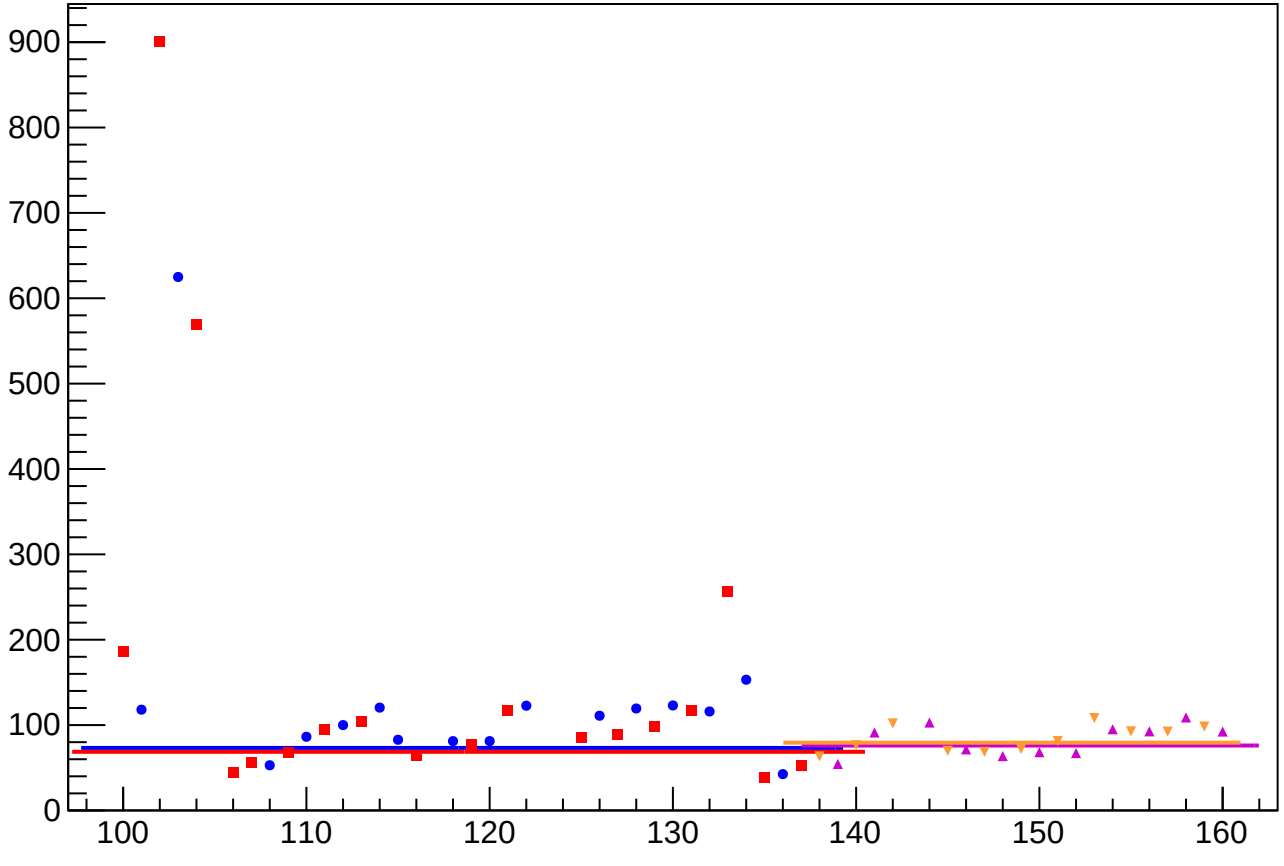
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.063+/-0.021 χ^2/NDF:27.9/28

All: -0.027+/-0.015 χ^2/NDF: 50.2/55

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: 76.064+/-0.019 χ^2/NDF:798737.0/10

Left: 77.602+/-0.014 χ^2/NDF: 1244841.0/21

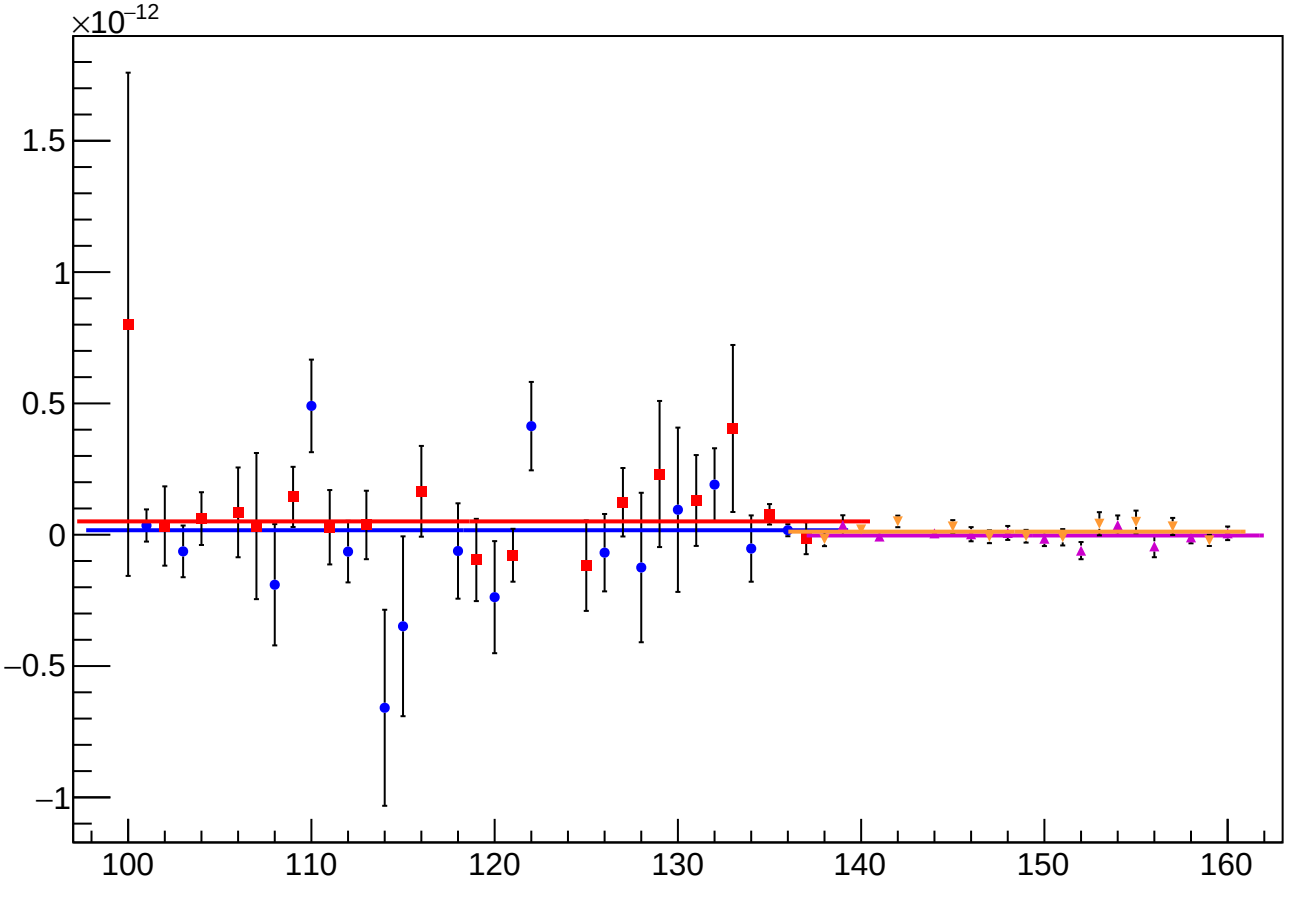
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.926+/-0.015 χ^2/NDF:3660041.5/26

Out: 74.542+/-0.015 χ^2/NDF:3888861.9/28

All: 74.742+/-0.010 χ^2/NDF: 7549239.6/55

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:7.2/10

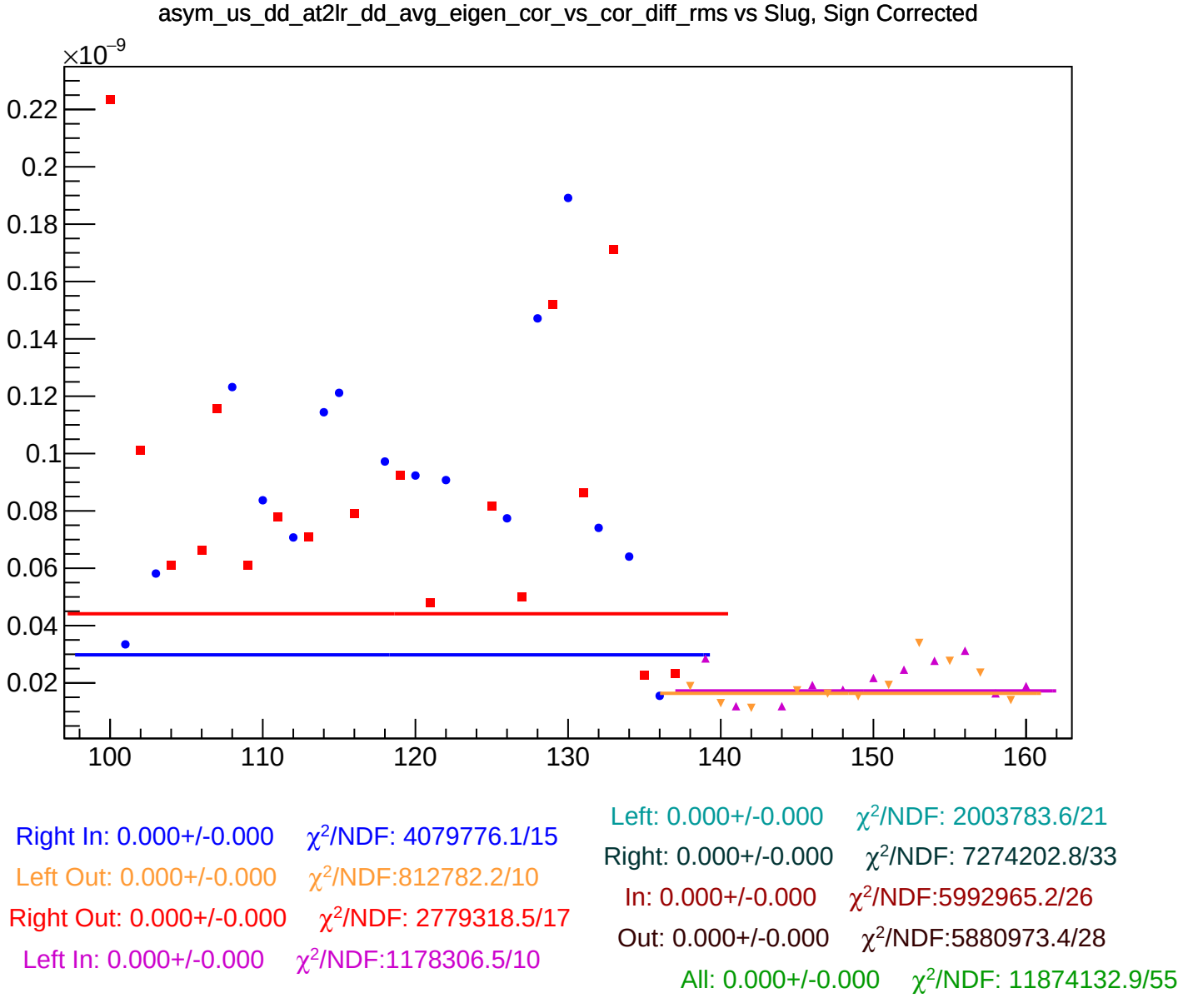
Left: 0.000+/-0.000 χ^2/NDF: 19.8/21

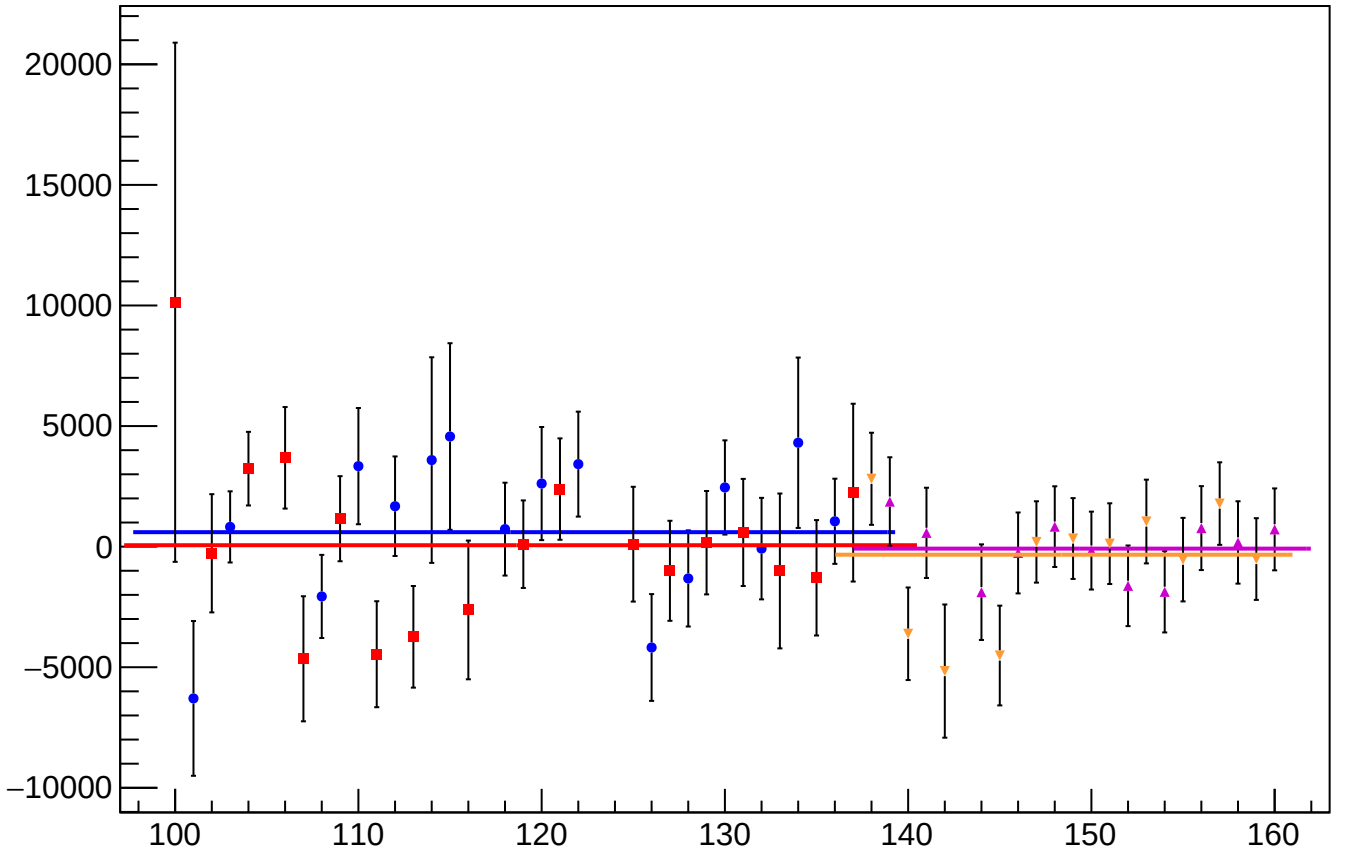
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:31.5/26

Out: 0.000+/-0.000 χ^2/NDF:22.1/28

All: 0.000+/-0.000 χ^2/NDF: 55.9/55


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:1178306.5/10
Left: 0.000+/-0.000 χ²/NDF: 2003783.6/21
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5992965.2/26
Out: 0.000+/-0.000 χ²/NDF:5880973.4/28
All: 0.000+/-0.000 χ²/NDF: 11874132.9/55



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: -82.300+/-522.655 χ^2/NDF:4.8/10

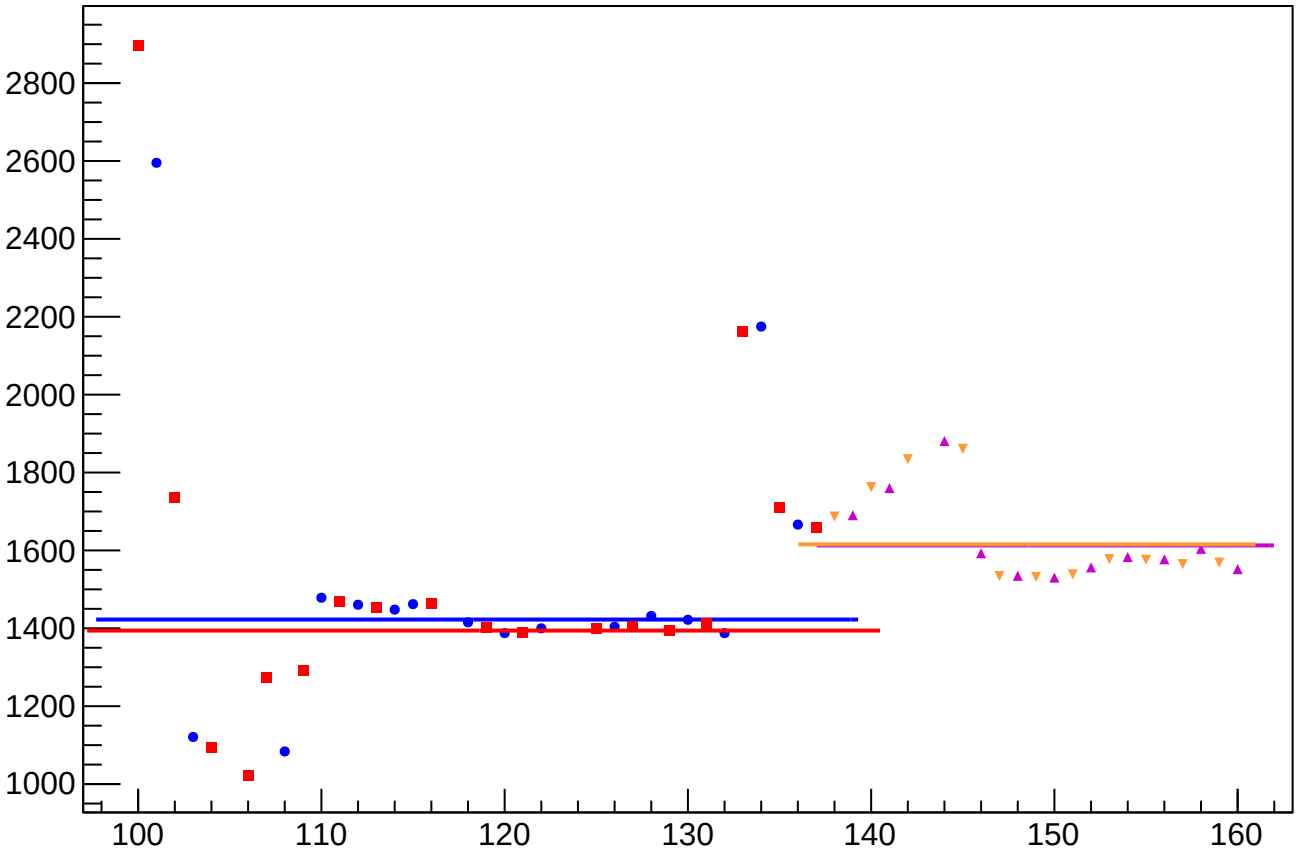
Left: -202.153+/-378.199 χ^2/NDF: 20.3/21

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 247.753+/-375.573 χ^2/NDF:26.0/26

Out: -130.933+/-381.030 χ^2/NDF:38.1/28

All: 61.142+/-267.479 χ^2/NDF: 64.6/55



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1615.561+/-0.387 χ^2/NDF:74325.8/10

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.5/10

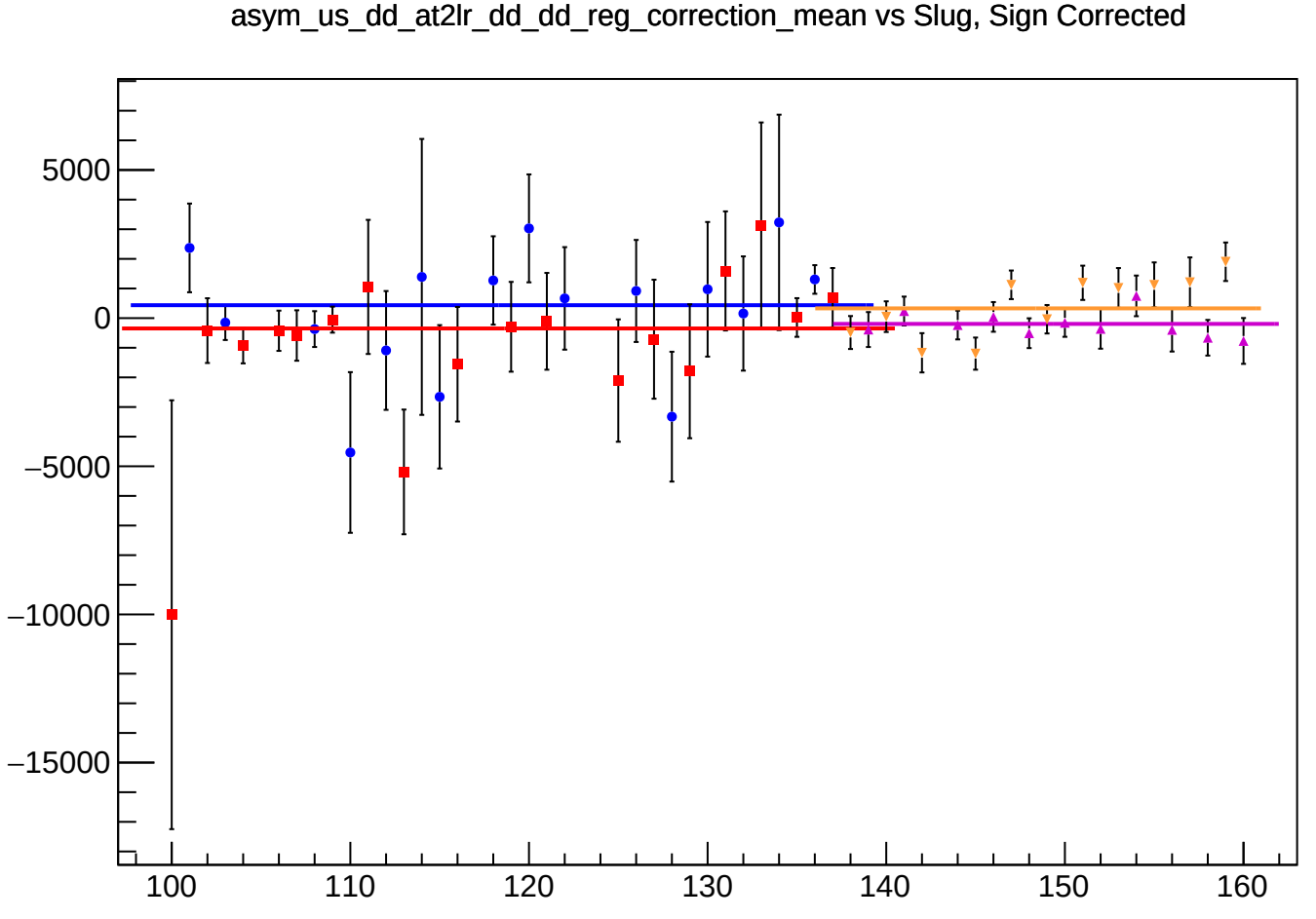
Left: 1614.157+/-0.267 χ^2/NDF: 143098.4/21

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1520.813+/-0.266 χ^2/NDF:757324.6/26

Out: 1501.223+/-0.269 χ^2/NDF:636608.0/28

All: 1511.159+/-0.189 χ^2/NDF: 1396613.8/55



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: -194.785+/-170.593 χ^2/NDF:4.7/10

Left: 57.866+/-122.758 χ^2/NDF: 39.4/21

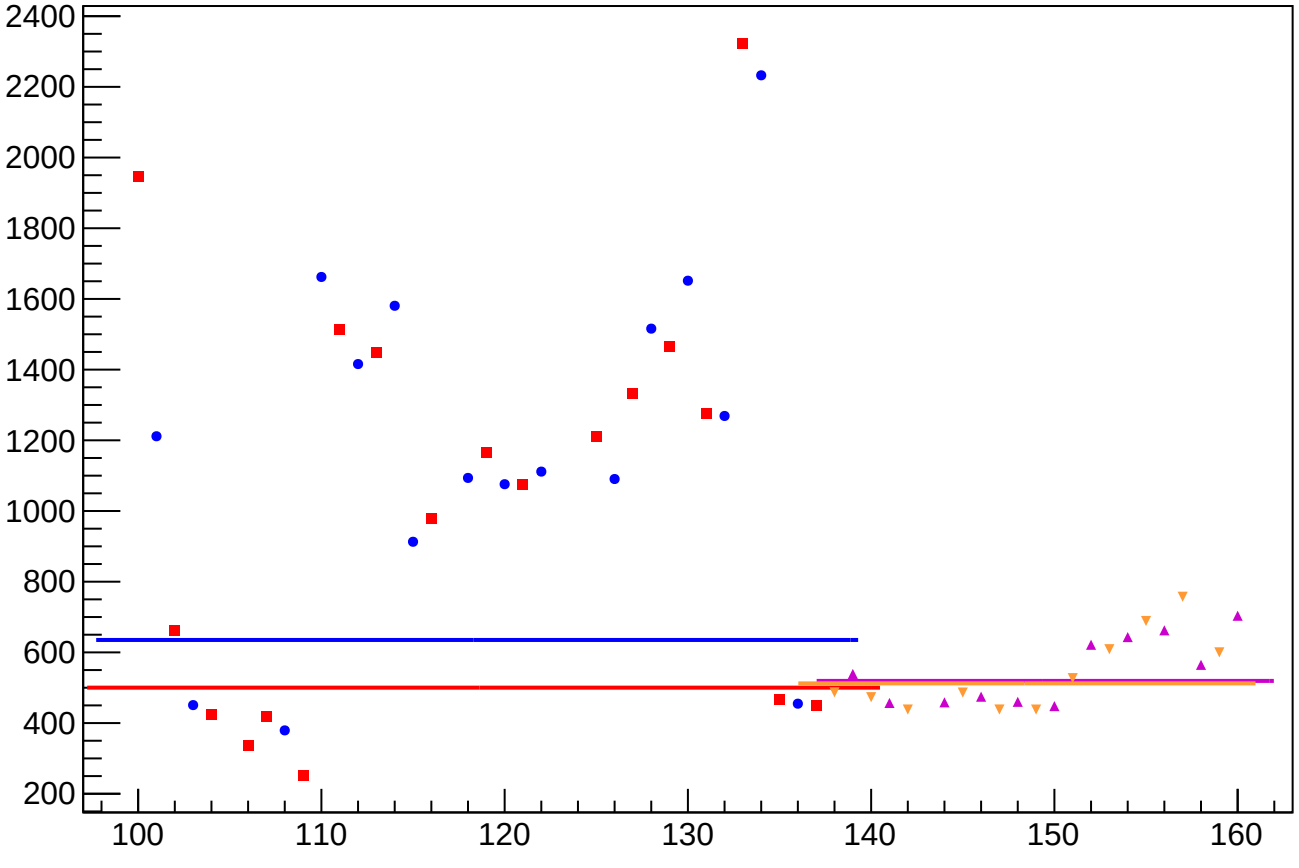
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -20.200+/-145.099 χ^2/NDF:27.8/26

Out: 82.573+/-141.000 χ^2/NDF:49.4/28

All: 32.659+/-101.120 χ^2/NDF: 77.5/55

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 512.253+/-0.125 χ^2/NDF:497636.6/10

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 519.305+/-0.121 χ^2/NDF:468109.7/10

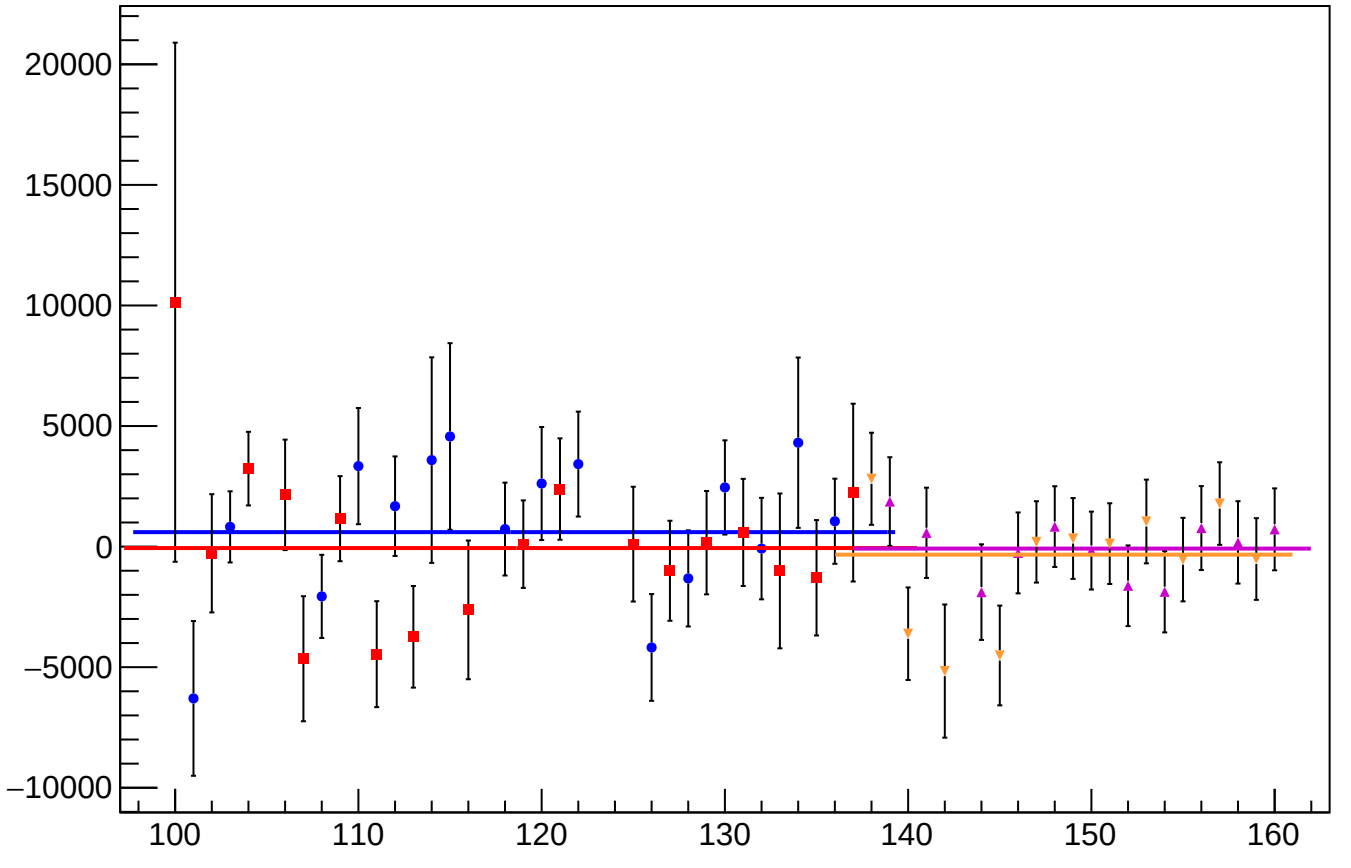
Left: 515.905+/-0.087 χ^2/NDF: 967394.1/21

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 551.338+/-0.103 χ^2/NDF:4475683.2/26

Out: 507.879+/-0.100 χ^2/NDF:4810095.1/28

All: 528.986+/-0.072 χ^2/NDF: 9378056.3/55



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: -82.267+/-522.655 χ^2/NDF:4.8/10

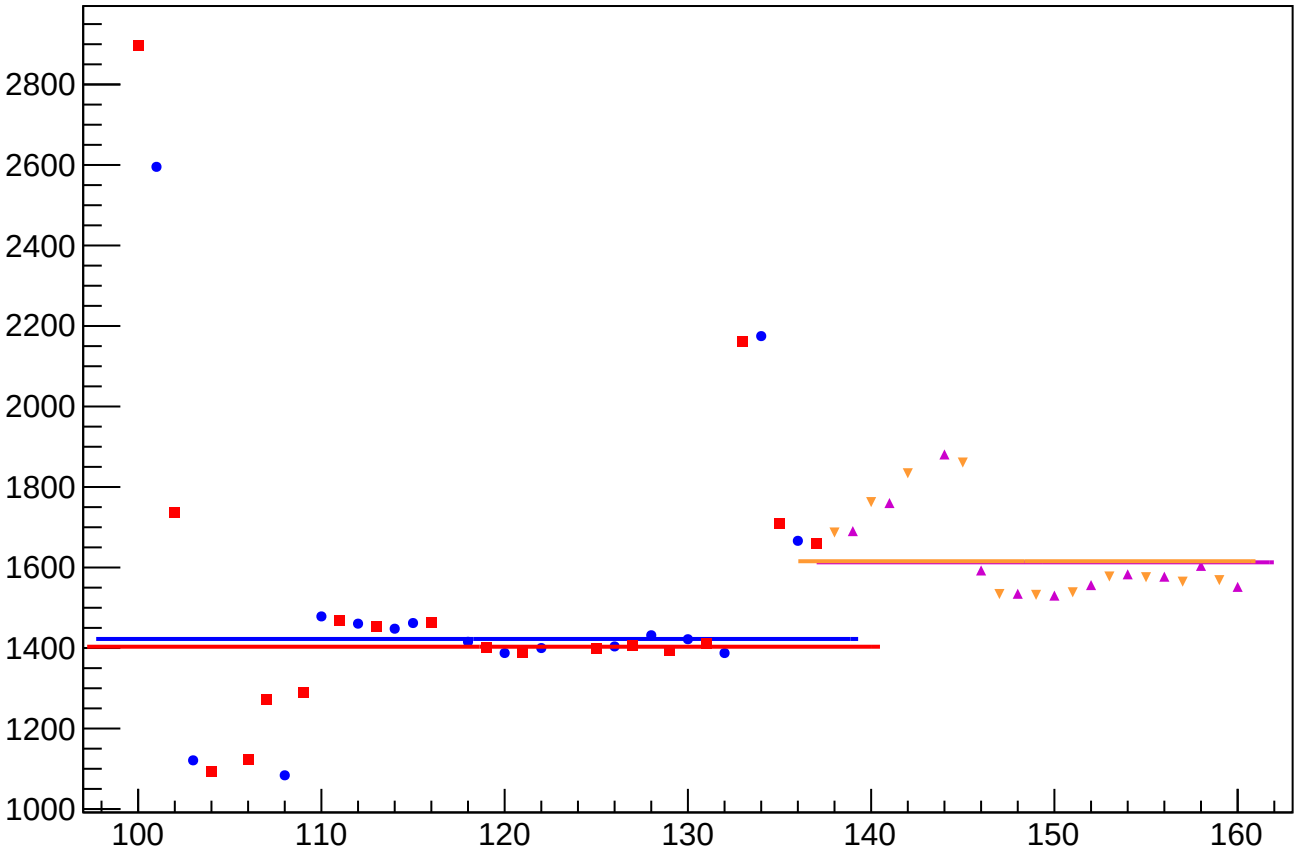
Left: -202.206+/-378.199 χ^2/NDF: 20.3/21

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 247.709+/-375.573 χ^2/NDF:26.0/26

Out: -193.369+/-382.000 χ^2/NDF:35.8/28

All: 30.912+/-267.813 χ^2/NDF: 62.5/55



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: 1612.879+/-0.370 χ^2/NDF:68747.4/10

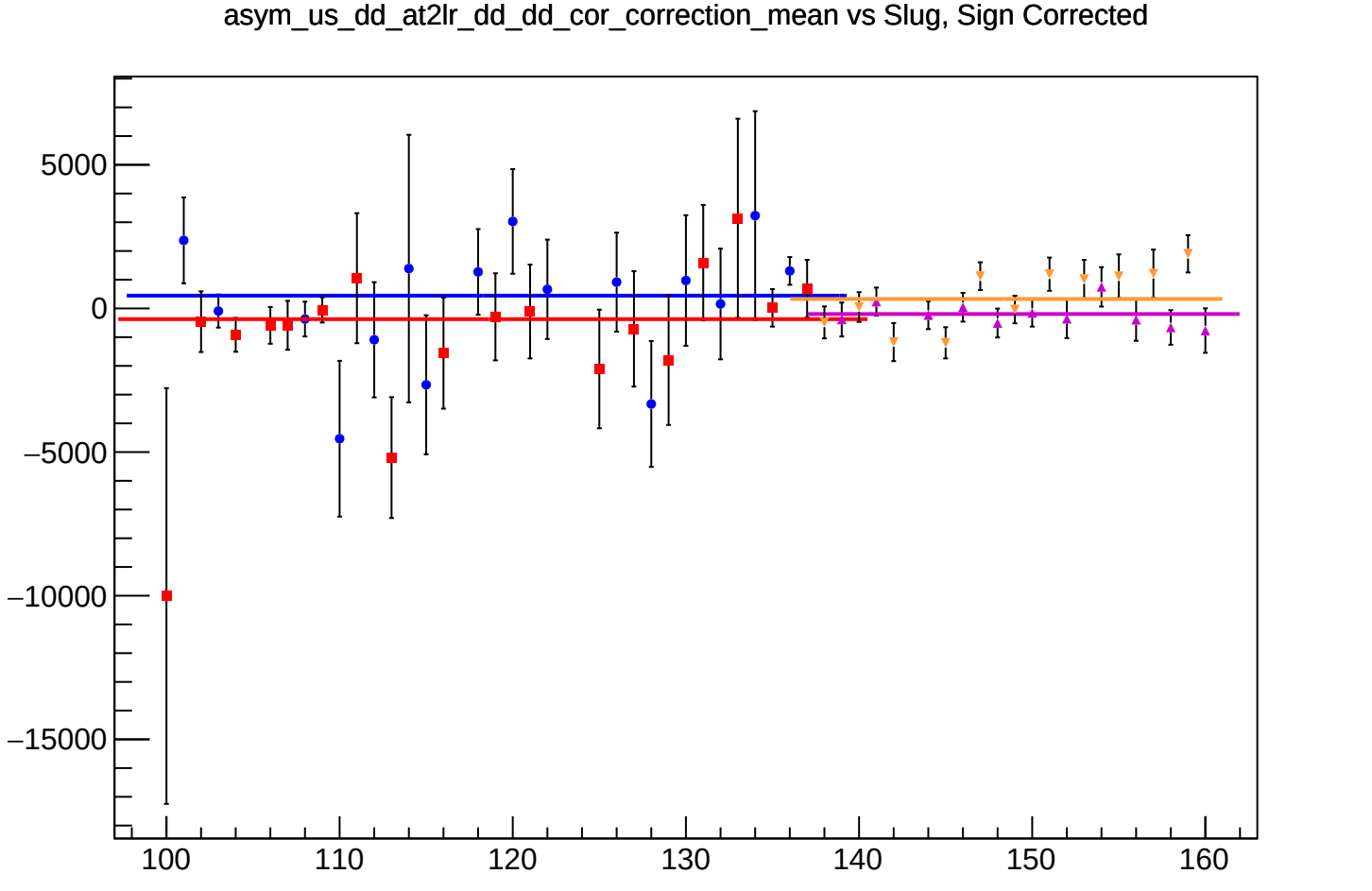
Left: 1614.157+/-0.267 χ^2/NDF: 143098.4/21

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1520.813+/-0.266 χ^2/NDF:757324.9/26

Out: 1506.420+/-0.270 χ^2/NDF:587813.7/28

All: 1513.738+/-0.189 χ^2/NDF: 1346582.4/55



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: -194.846+/-170.591 χ^2/NDF:4.7/10

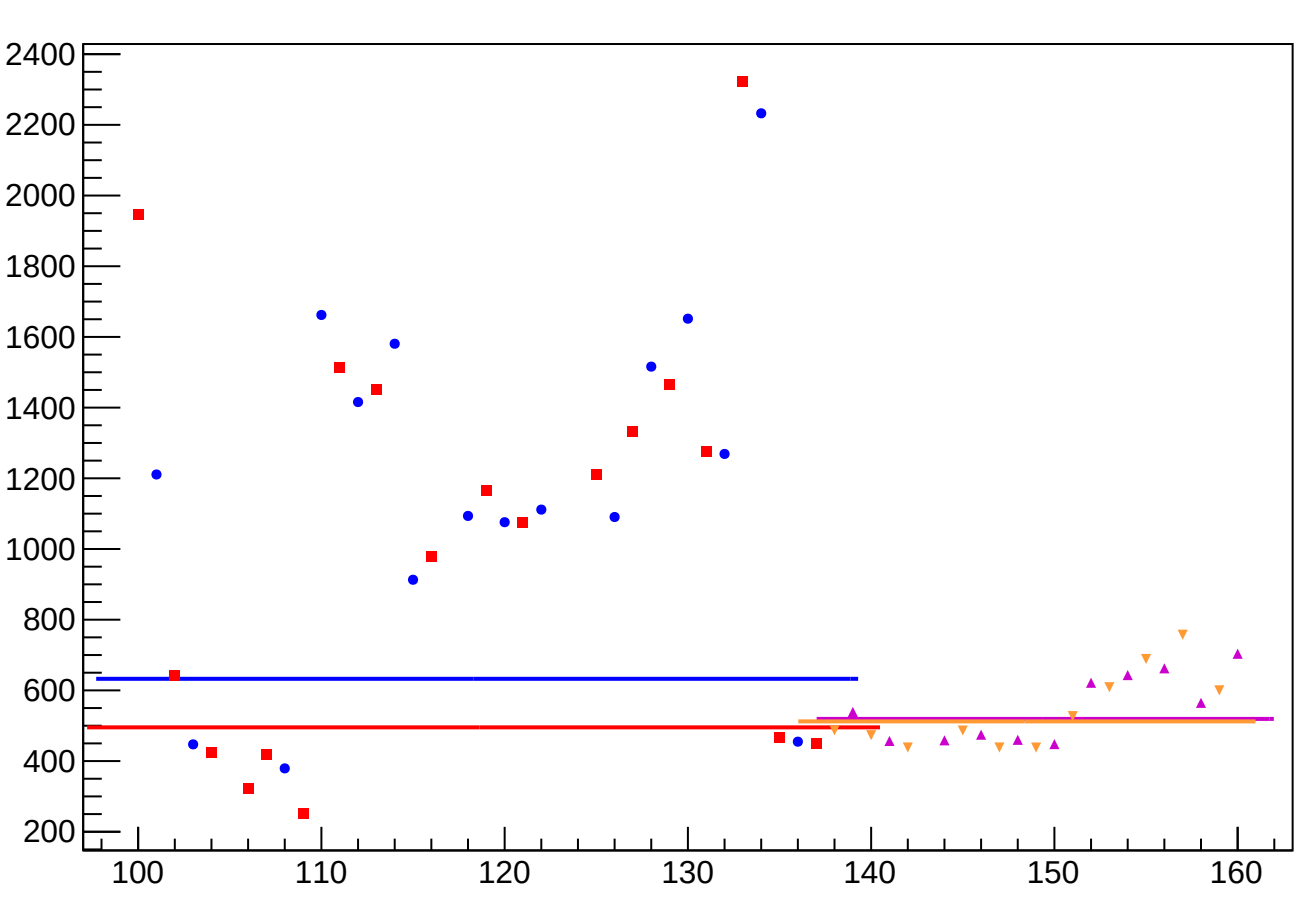
Left: 57.846+/-122.758 χ^2/NDF: 39.4/21

Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -16.767+/-144.926 χ^2/NDF:27.8/26

Out: 70.519+/-140.471 χ^2/NDF:49.9/28

All: 28.238+/-100.866 χ^2/NDF: 77.9/55



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: 519.298+/-0.121 χ^2/NDF:468145.6/10

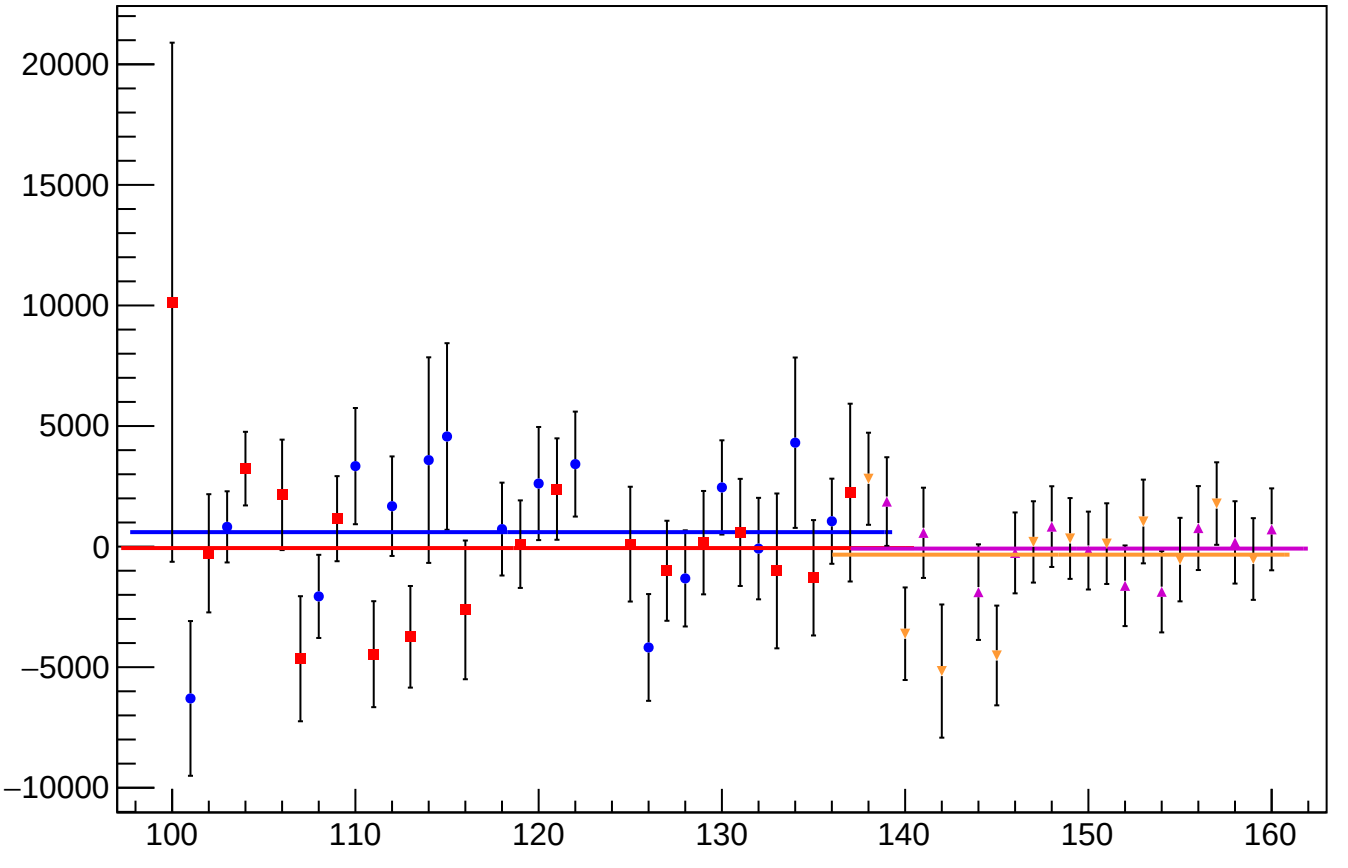
Left: 515.906+/-0.087 χ^2/NDF: 967330.6/21

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 550.869+/-0.102 χ^2/NDF:4482036.4/26

Out: 506.038+/-0.099 χ^2/NDF:4841752.4/28

All: 527.754+/-0.071 χ^2/NDF: 9422462.5/55



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: -82.267+/-522.655 χ^2/NDF:4.8/10

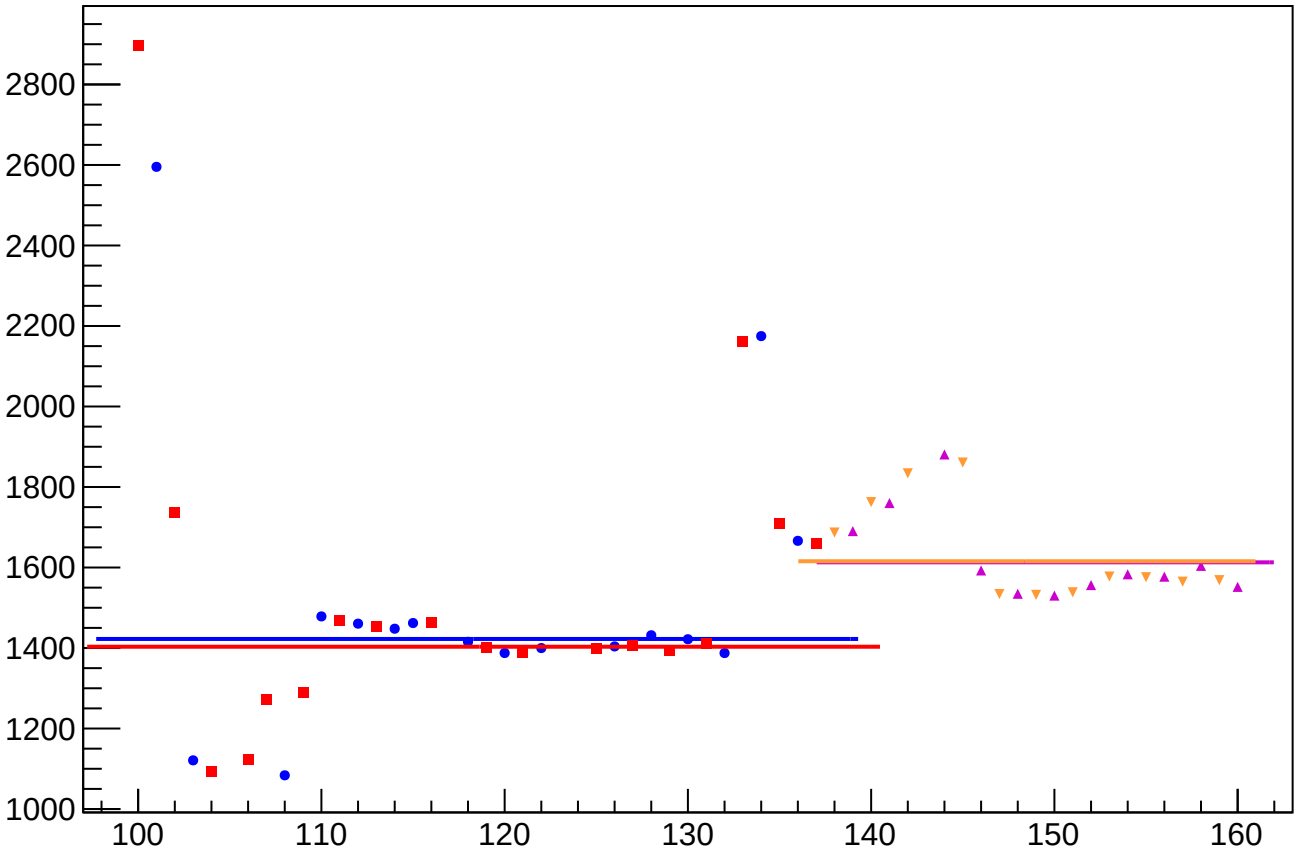
Left: -202.206+/-378.199 χ^2/NDF: 20.3/21

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 247.709+/-375.573 χ^2/NDF:26.0/26

Out: -193.369+/-382.000 χ^2/NDF:35.8/28

All: 30.912+/-267.813 χ^2/NDF: 62.5/55



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: 1612.879+/-0.370 χ^2/NDF:68747.4/10

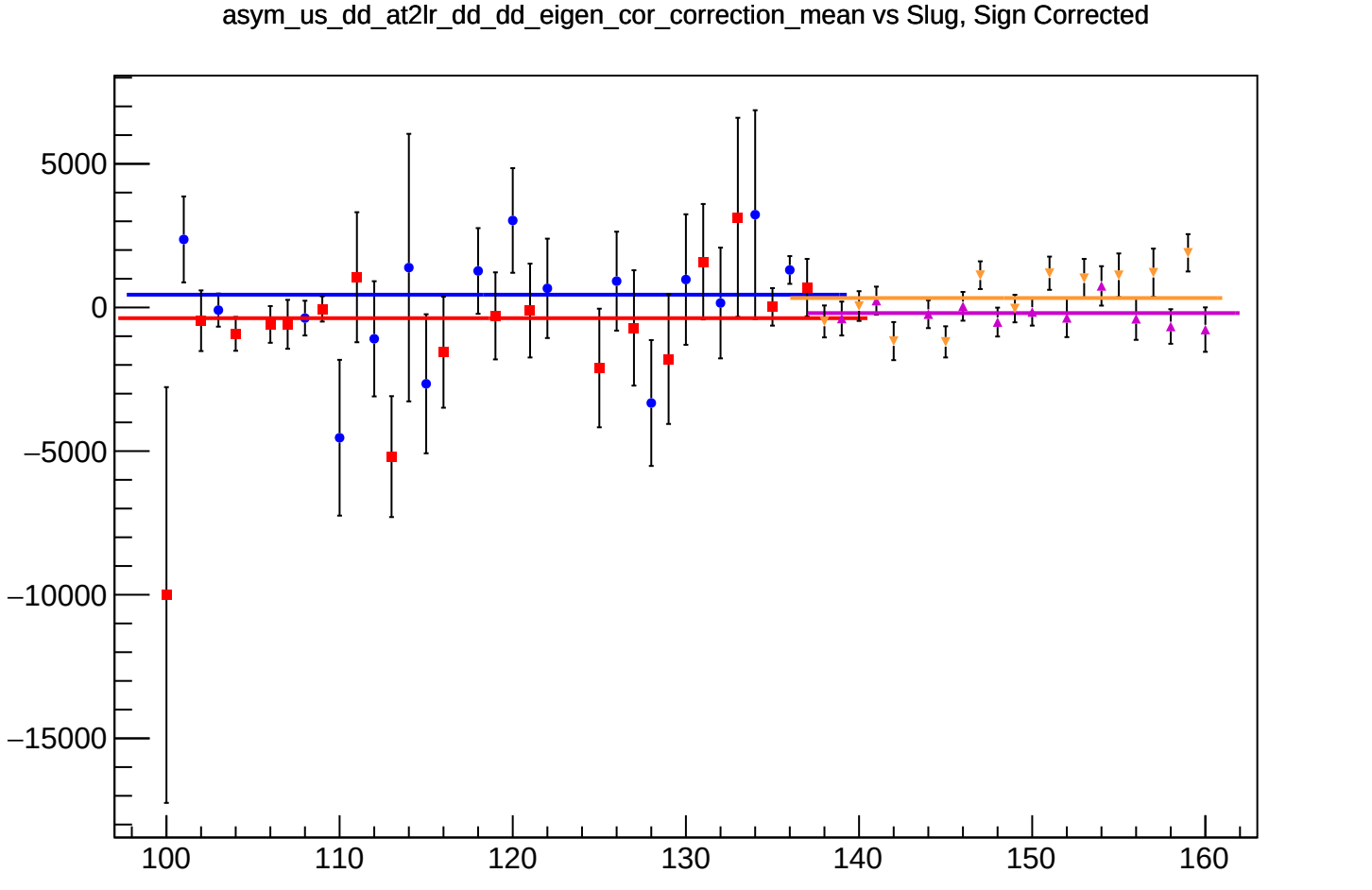
Left: 1614.157+/-0.267 χ^2/NDF: 143098.4/21

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1520.813+/-0.266 χ^2/NDF:757324.9/26

Out: 1506.420+/-0.270 χ^2/NDF:587813.7/28

All: 1513.738+/-0.189 χ^2/NDF: 1346582.4/55



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: -194.846+/-170.591 χ^2/NDF:4.7/10

Left: 57.846+/-122.758 χ^2/NDF: 39.4/21

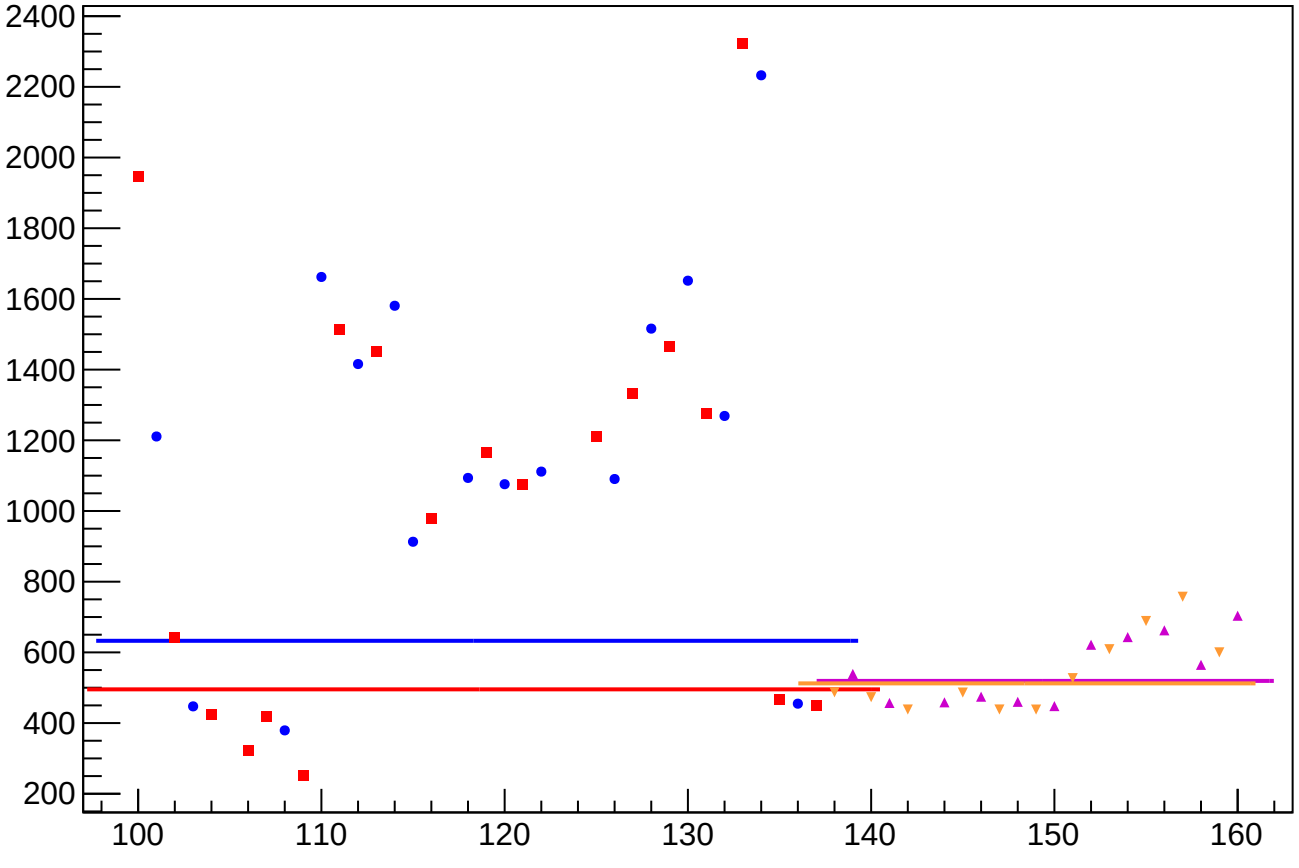
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -16.767+/-144.926 χ^2/NDF:27.8/26

Out: 70.519+/-140.471 χ^2/NDF:49.9/28

All: 28.238+/-100.866 χ^2/NDF: 77.9/55

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: 519.298+/-0.121 χ^2/NDF:468145.6/10

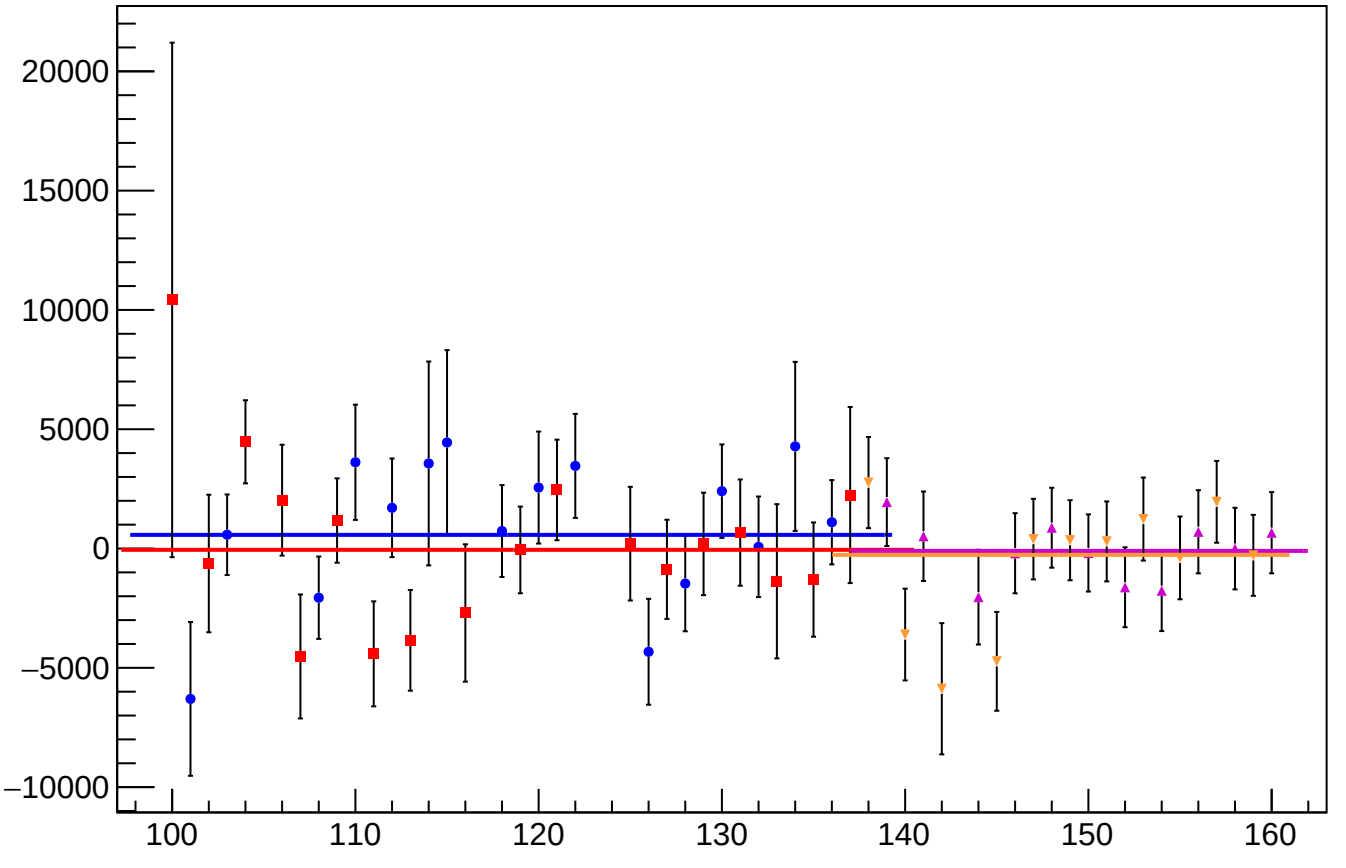
Left: 515.906+/-0.087 χ^2/NDF: 967330.6/21

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 550.869+/-0.102 χ^2/NDF:4482036.4/26

Out: 506.038+/-0.099 χ^2/NDF:4841752.4/28

All: 527.754+/-0.071 χ^2/NDF: 9422462.5/55



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: -100.143+/-523.453 χ^2/NDF:4.9/10

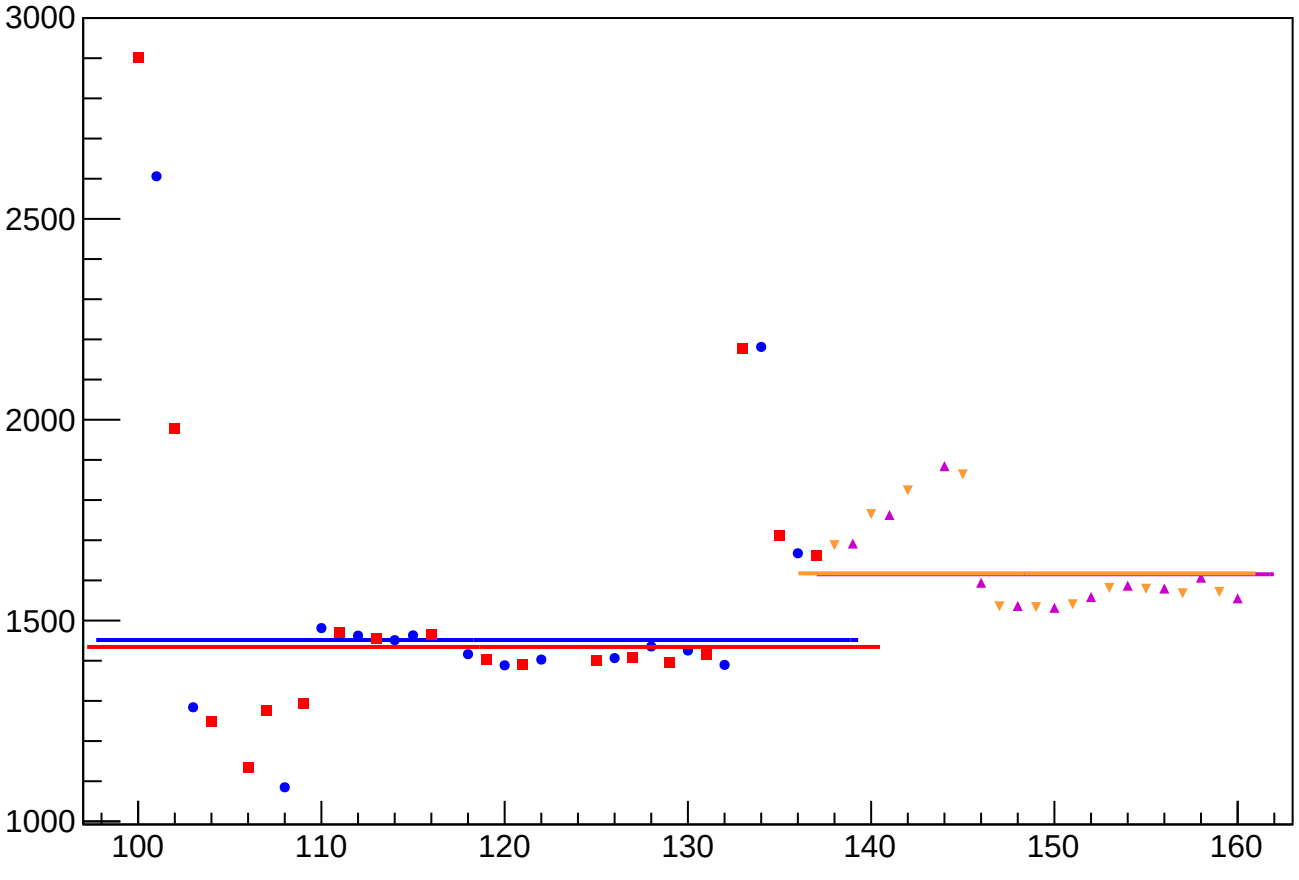
Left: -179.386+/-378.722 χ^2/NDF: 22.1/21

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 219.674+/-379.056 χ^2/NDF:26.4/26

Out: -159.458+/-386.773 χ^2/NDF:39.8/28

All: 33.928+/-270.720 χ^2/NDF: 66.7/55



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: 1615.324+/-0.370 χ^2/NDF:68886.4/10

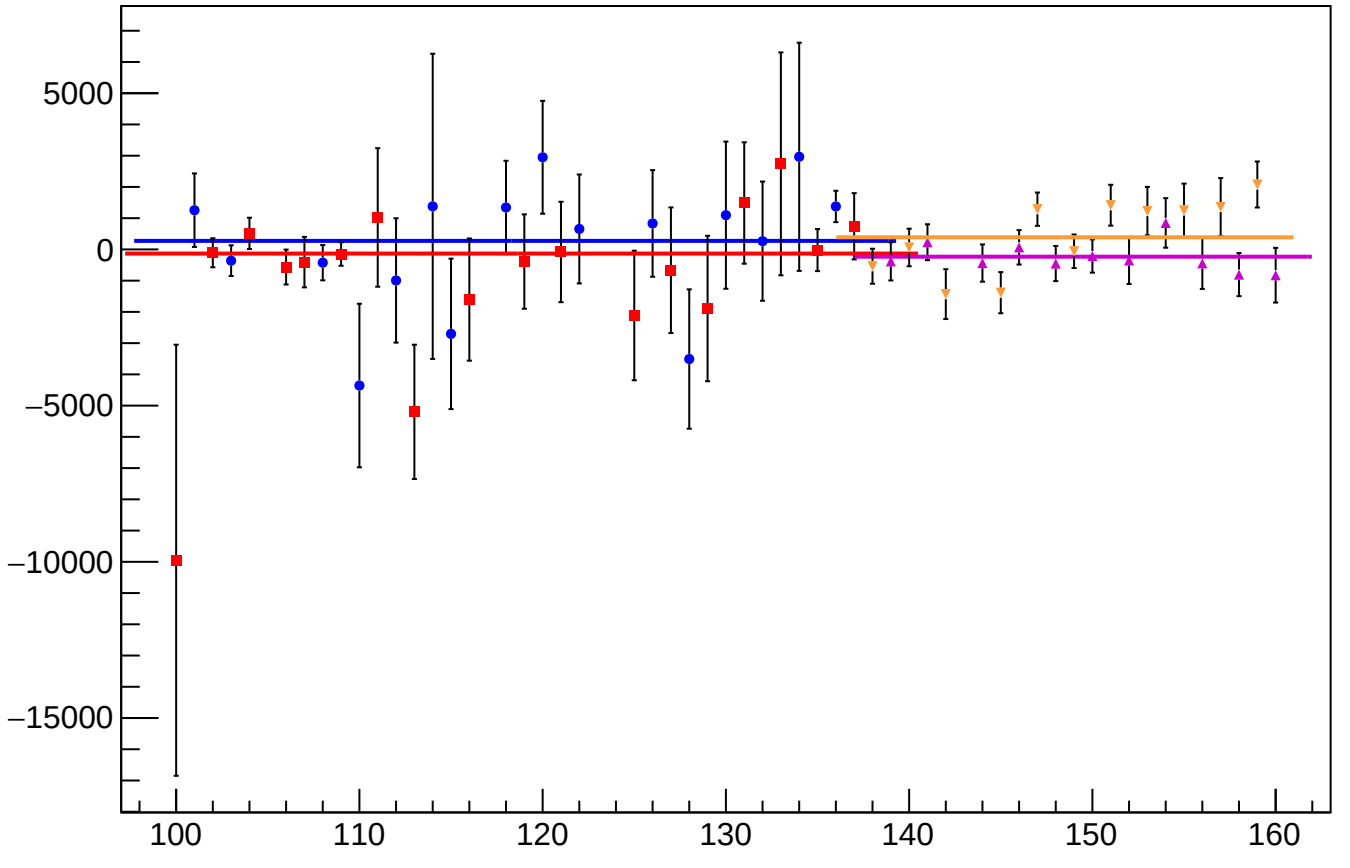
Left: 1616.363+/-0.268 χ^2/NDF: 141933.3/21

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1537.445+/-0.268 χ^2/NDF:649805.1/26

Out: 1525.365+/-0.273 χ^2/NDF:513775.1/28

All: 1531.527+/-0.191 χ^2/NDF: 1164575.3/55



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: -232.678+/-193.283 χ^2/NDF:4.4/10

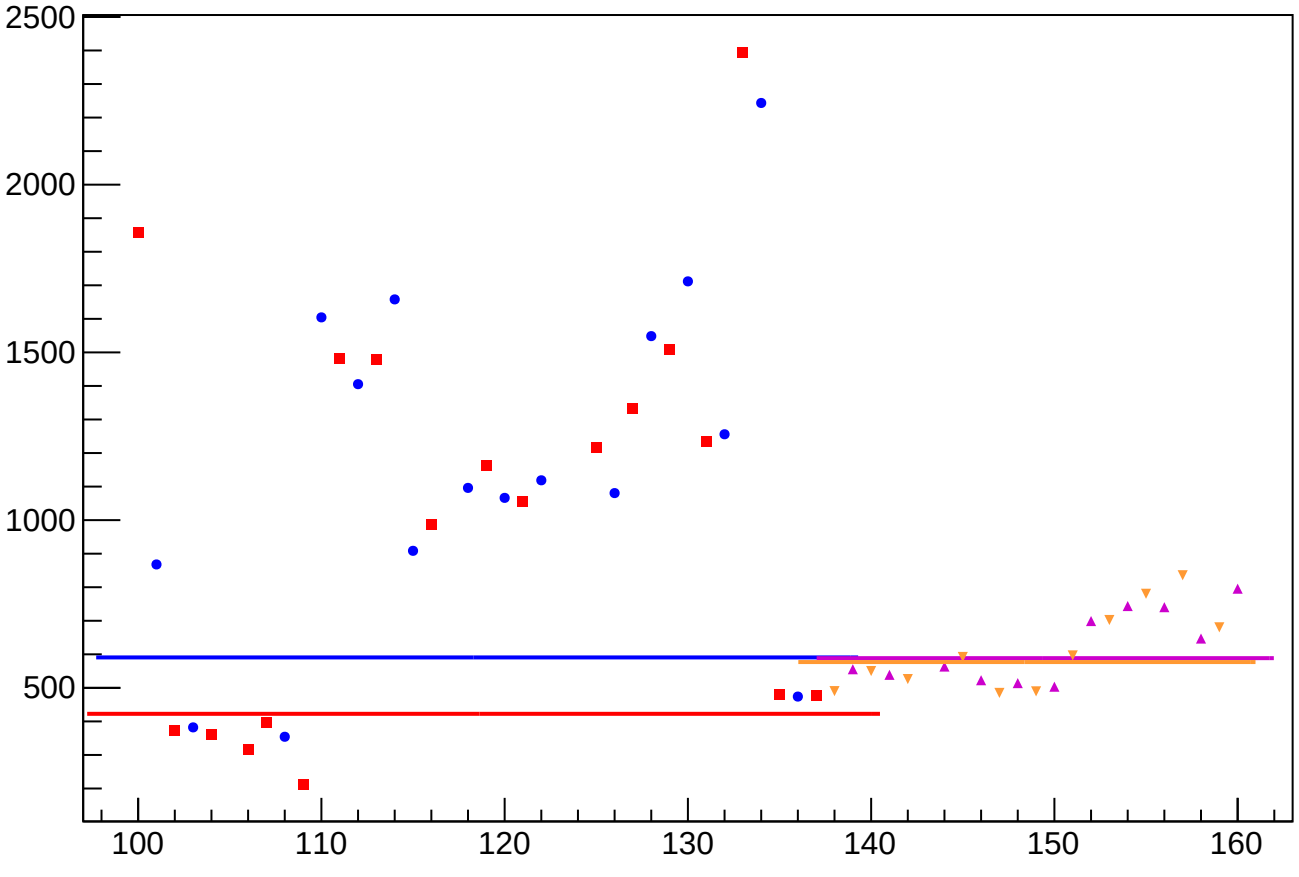
Left: 68.675+/-138.721 χ^2/NDF: 39.4/21

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -53.011+/-155.231 χ^2/NDF:27.0/26

Out: 123.788+/-139.691 χ^2/NDF:47.9/28

All: 44.678+/-103.837 χ^2/NDF: 75.7/55



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: 588.580+/-0.137 χ^2/NDF:454133.0/10

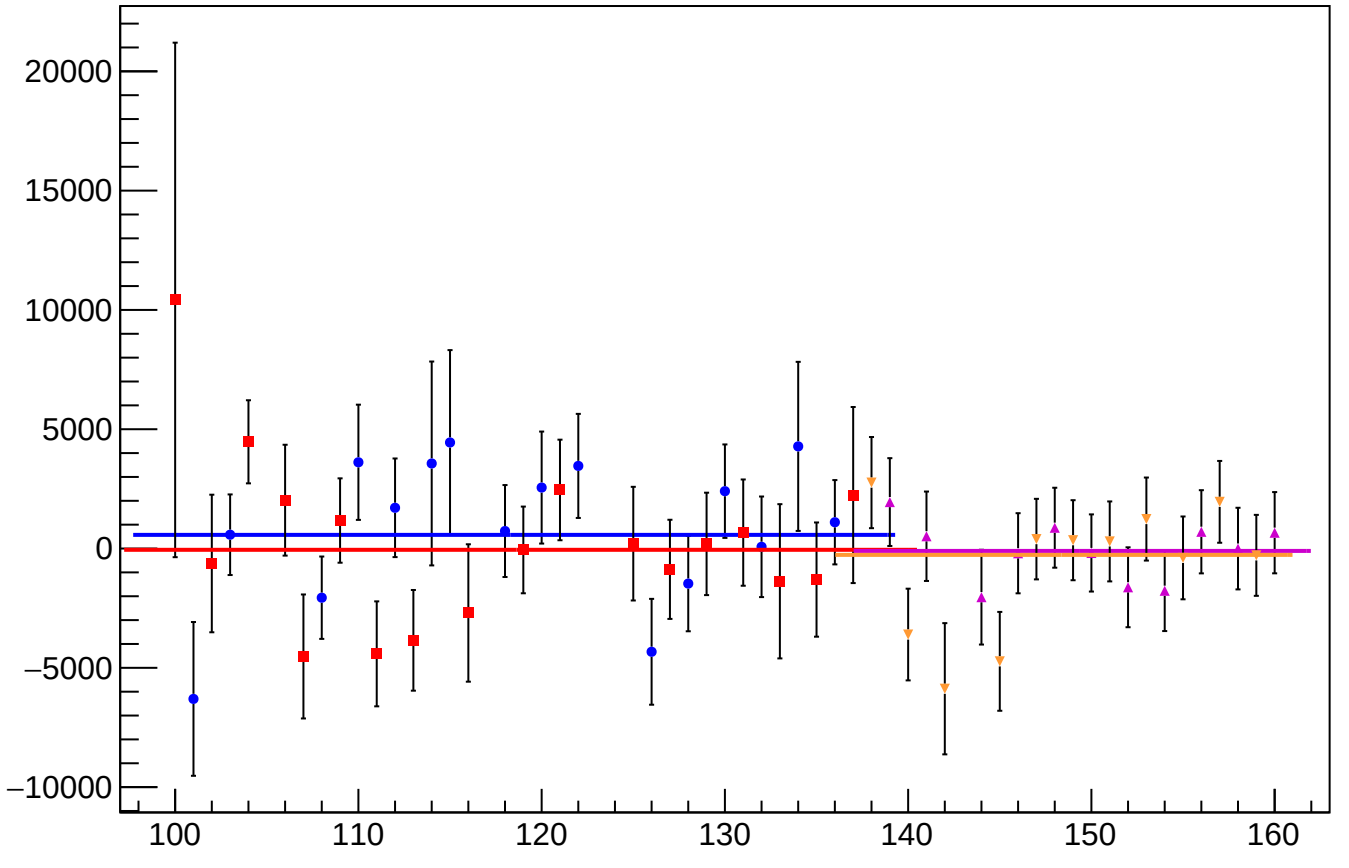
Left: 582.950+/-0.098 χ^2/NDF: 993302.0/21

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 589.350+/-0.110 χ^2/NDF:4339724.6/26

Out: 498.518+/-0.099 χ^2/NDF:6003882.1/28

All: 539.161+/-0.073 χ^2/NDF: 10721979.6/55



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -266.439+/-548.621 χ^2/NDF:17.2/10

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -100.144+/-523.453 χ^2/NDF:4.9/10

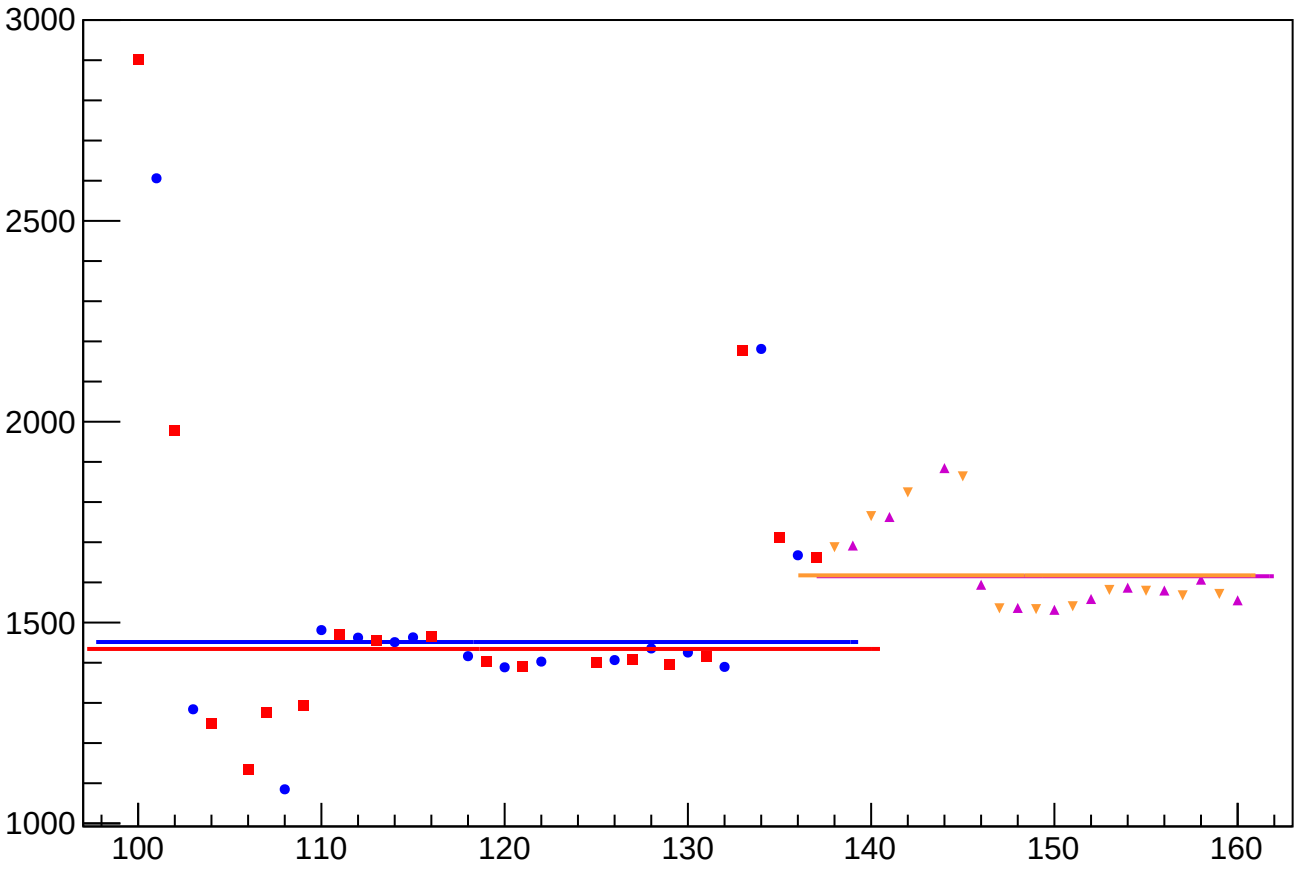
Left: -179.389+/-378.722 χ^2/NDF: 22.1/21

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 219.674+/-379.056 χ^2/NDF:26.4/26

Out: -159.460+/-386.773 χ^2/NDF:39.8/28

All: 33.927+/-270.720 χ^2/NDF: 66.7/55



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: 1615.324+/-0.370 χ^2/NDF:68886.5/10

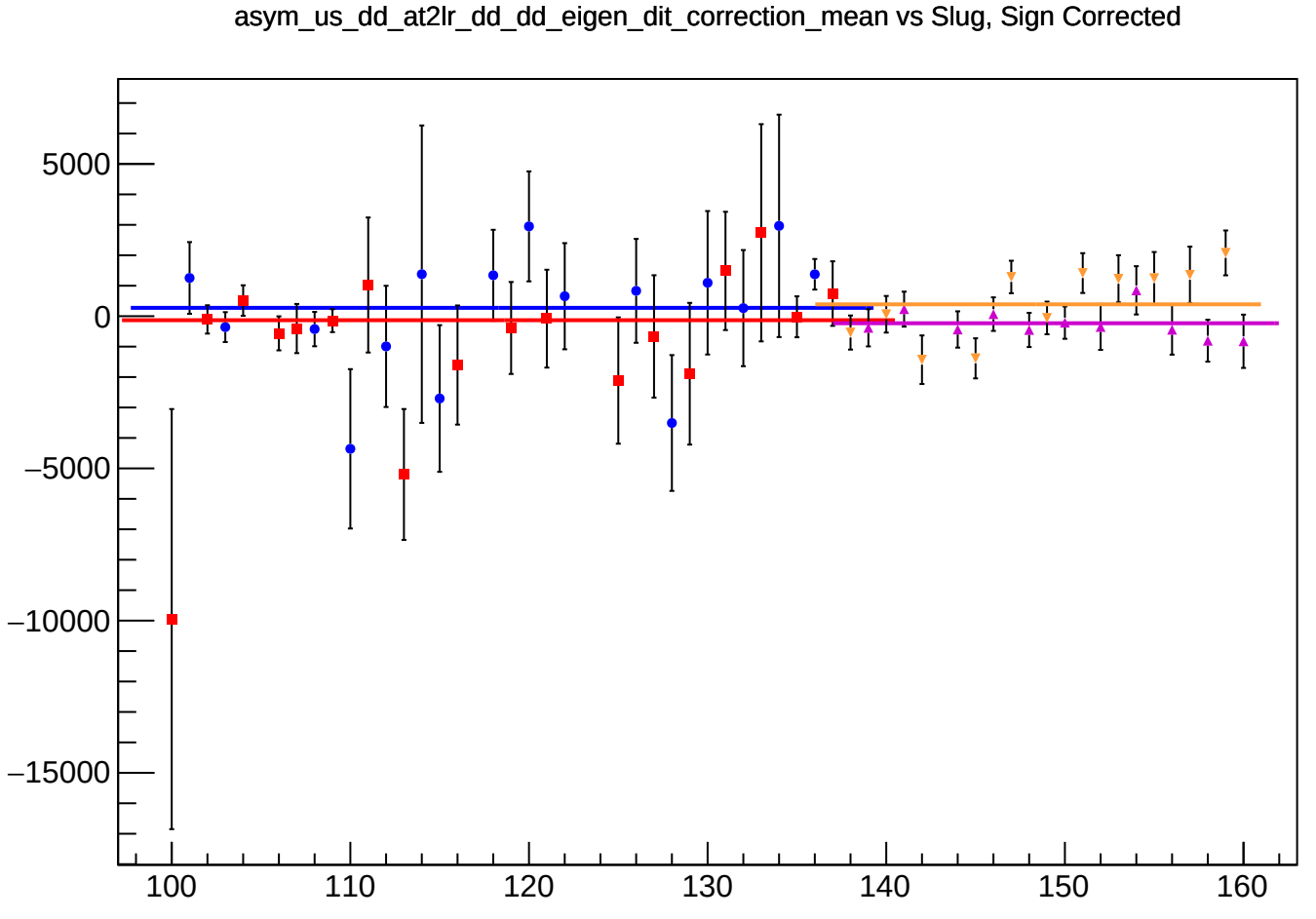
Left: 1616.363+/-0.268 χ^2/NDF: 141933.5/21

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1537.445+/-0.268 χ^2/NDF:649804.8/26

Out: 1525.365+/-0.273 χ^2/NDF:513775.5/28

All: 1531.527+/-0.191 χ^2/NDF: 1164575.4/55



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: -232.681+/-193.284 χ^2/NDF:4.4/10

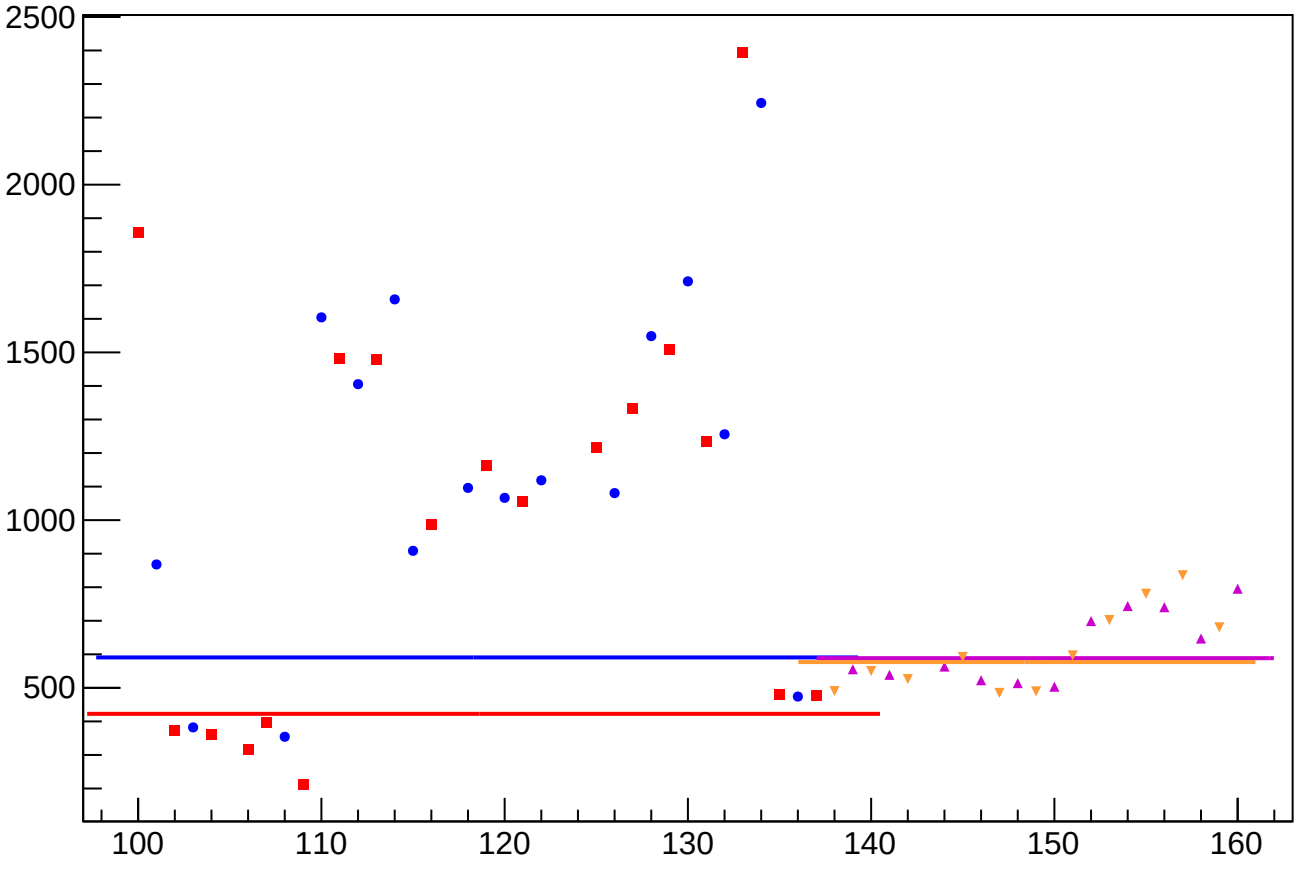
Left: 68.676+/-138.722 χ^2/NDF: 39.4/21

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -53.015+/-155.231 χ^2/NDF:27.0/26

Out: 123.795+/-139.692 χ^2/NDF:47.9/28

All: 44.680+/-103.838 χ^2/NDF: 75.7/55



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 576.973+/-0.141 χ^2/NDF:535668.6/10

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 588.581+/-0.137 χ^2/NDF:454162.1/10

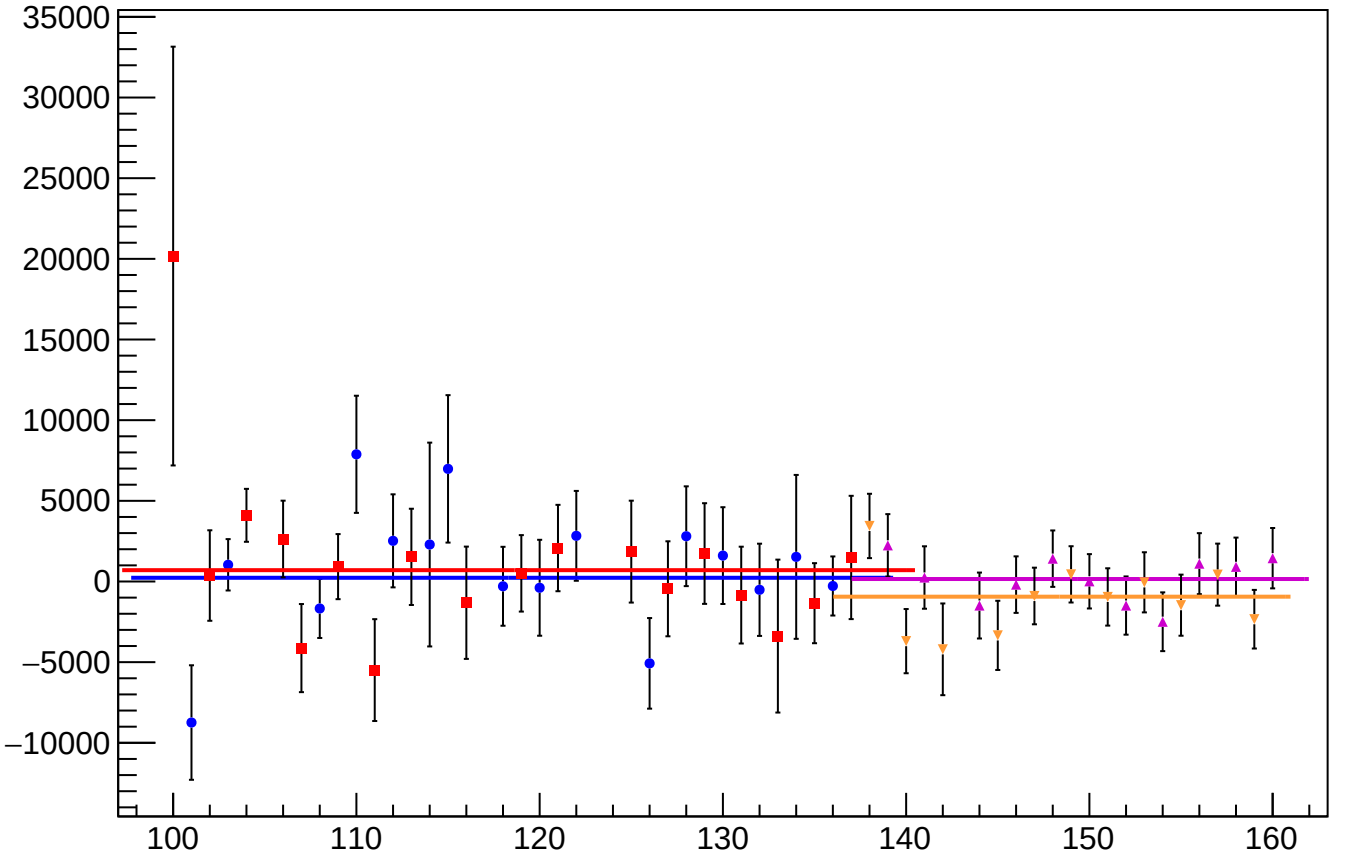
Left: 582.952+/-0.098 χ^2/NDF: 993328.8/21

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 589.350+/-0.110 χ^2/NDF:4339781.8/26

Out: 498.523+/-0.099 χ^2/NDF:6003779.7/28

All: 539.164+/-0.073 χ^2/NDF: 10721893.3/55



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: 153.786+/-554.089 χ^2/NDF:6.2/10

Left: -367.145+/-401.202 χ^2/NDF: 19.4/21

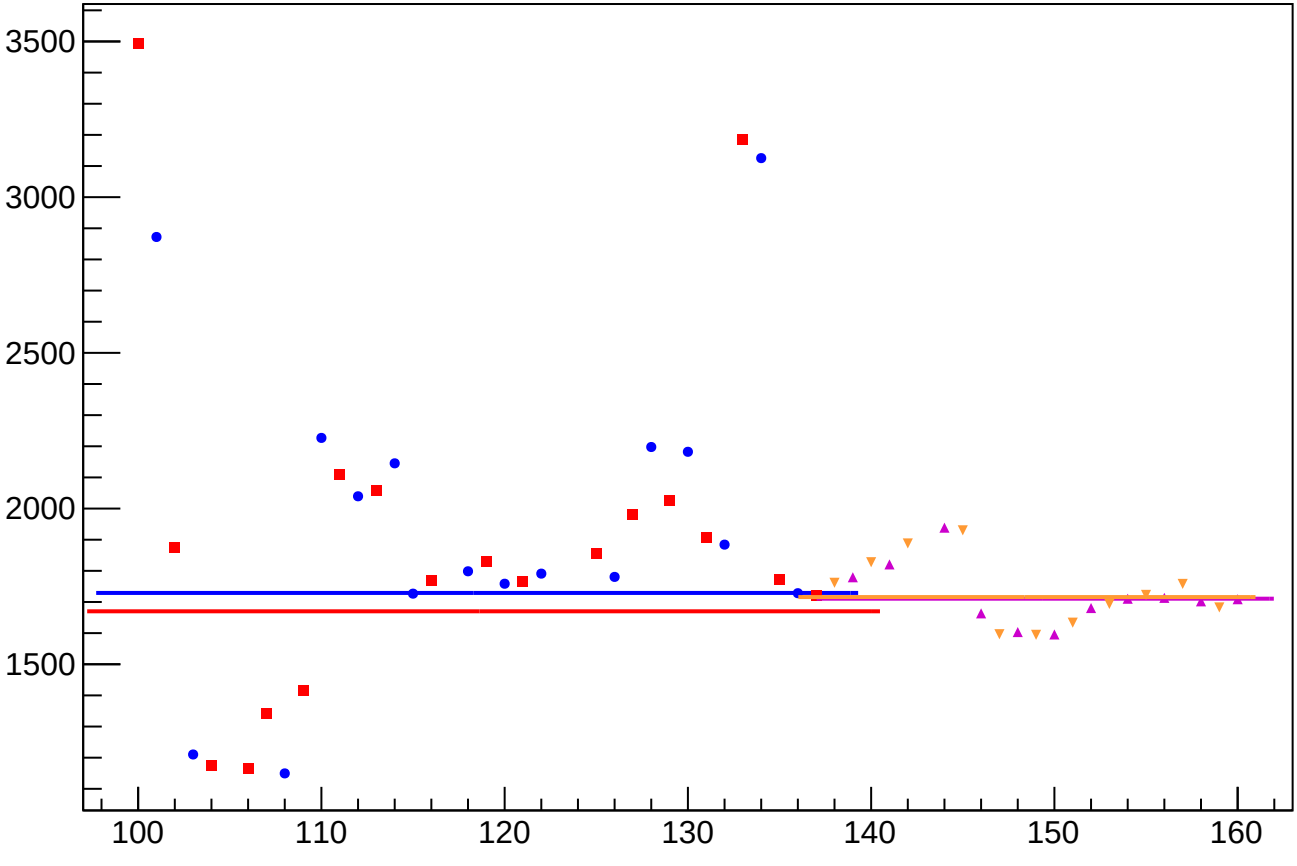
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 185.258+/-426.012 χ^2/NDF:27.0/26

Out: -208.269+/-432.962 χ^2/NDF:31.9/28

All: -8.322+/-303.663 χ^2/NDF: 59.3/55

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: 1710.582+/-0.392 χ^2/NDF:52776.6/10

Left: 1713.052+/-0.284 χ^2/NDF: 112684.1/21

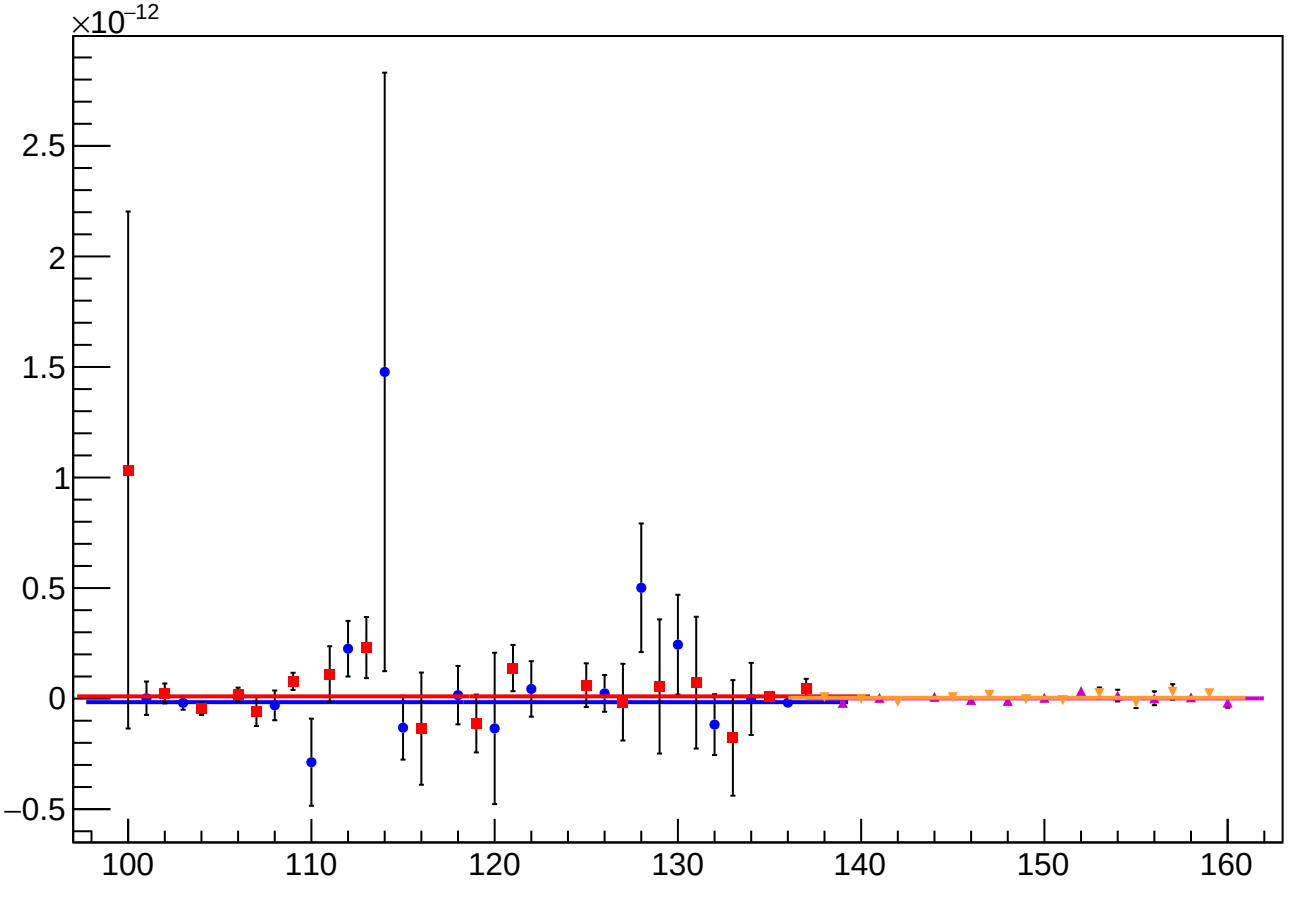
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1718.133+/-0.301 χ^2/NDF:995764.2/26

Out: 1695.385+/-0.306 χ^2/NDF:809786.0/28

All: 1706.943+/-0.215 χ^2/NDF: 1808355.3/55

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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:6.5/10

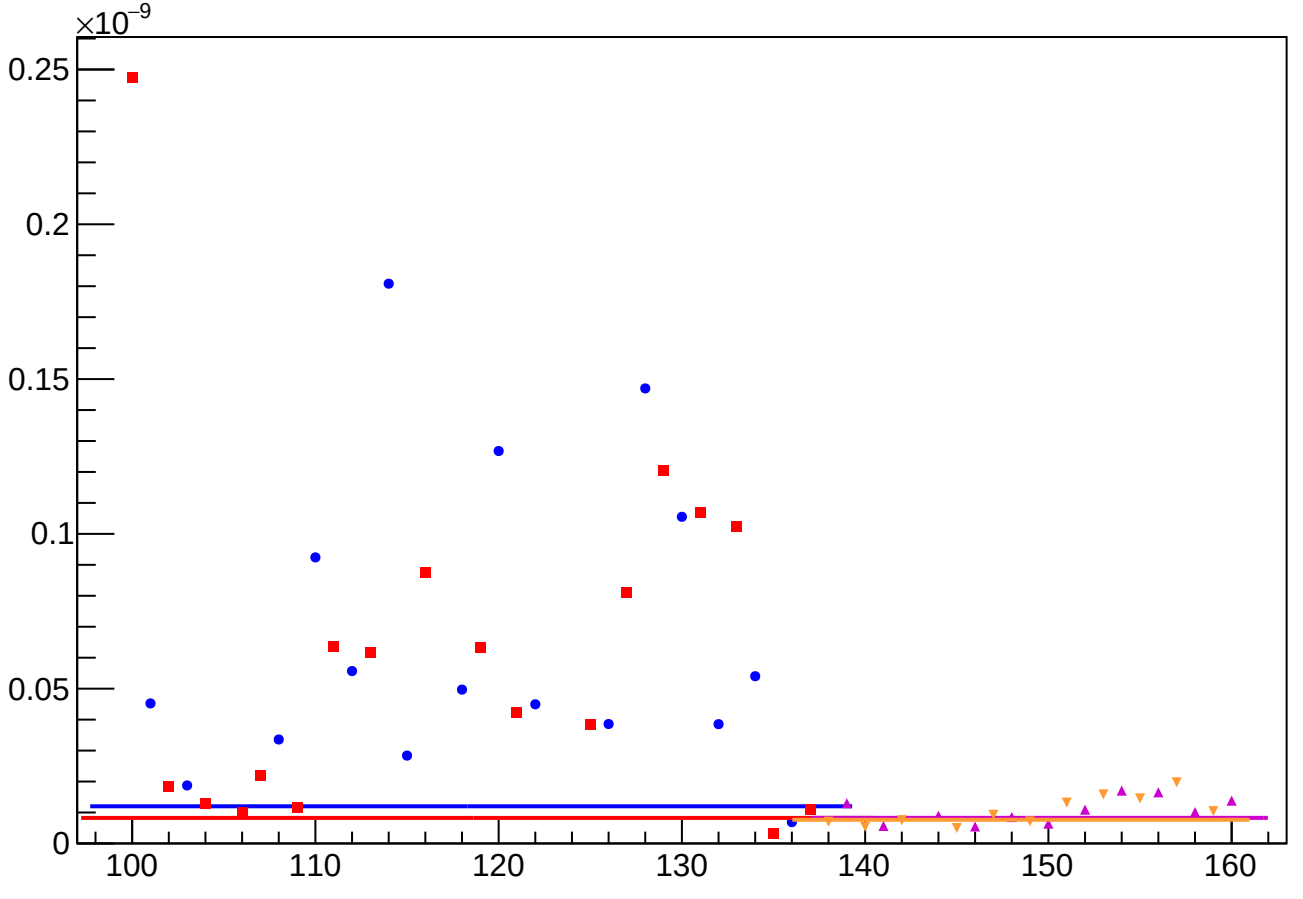
Left: 0.000+/-0.000 χ^2/NDF: 12.6/21

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:22.1/26

Out: 0.000+/-0.000 χ^2/NDF:22.8/28

All: 0.000+/-0.000 χ^2/NDF: 46.3/55



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:1016530.4/10

Left: 0.000+/-0.000 χ^2/NDF: 2135850.9/21

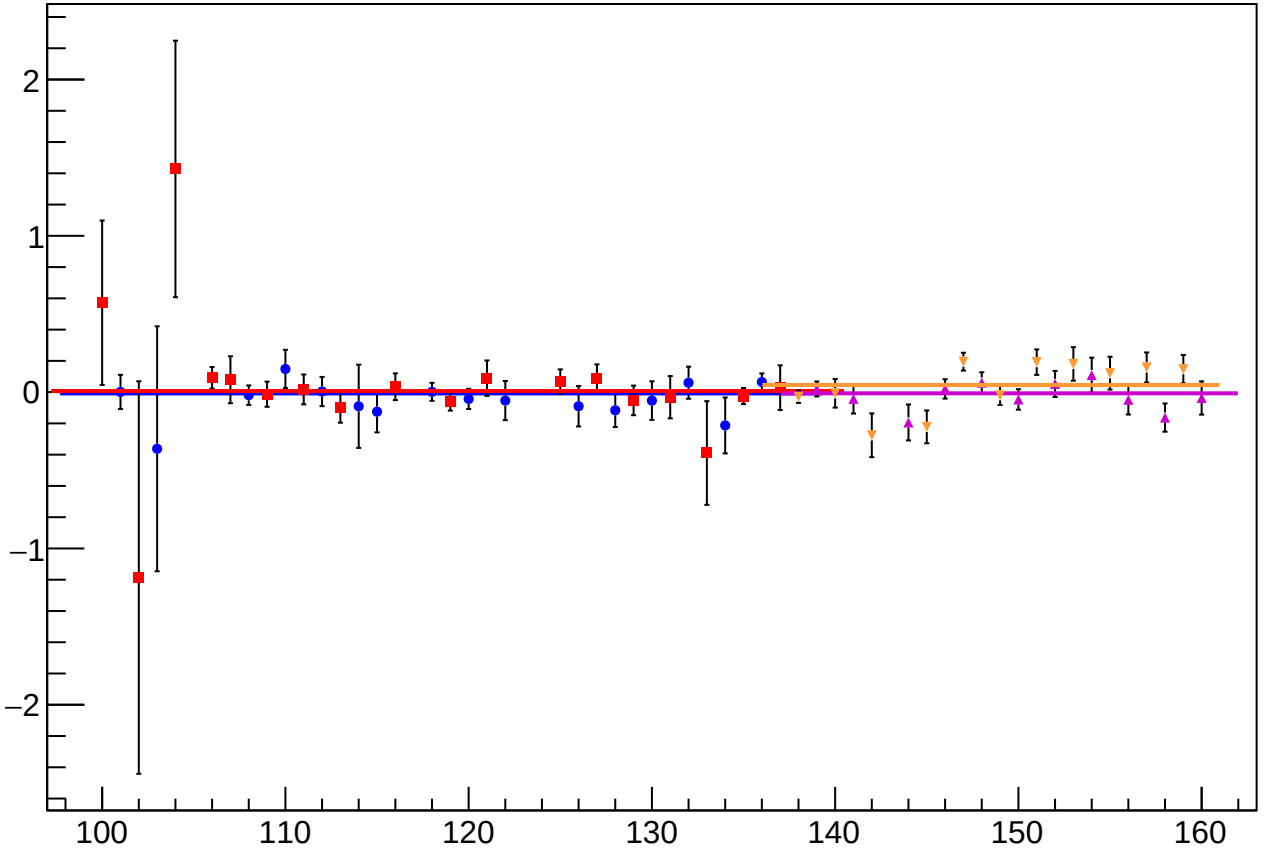
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4665893.2/26

Out: 0.000+/-0.000 χ^2/NDF:4617899.1/28

All: 0.000+/-0.000 χ^2/NDF: 9355415.7/55

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: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.020+/-0.016 χ^2/NDF: 43.9/21

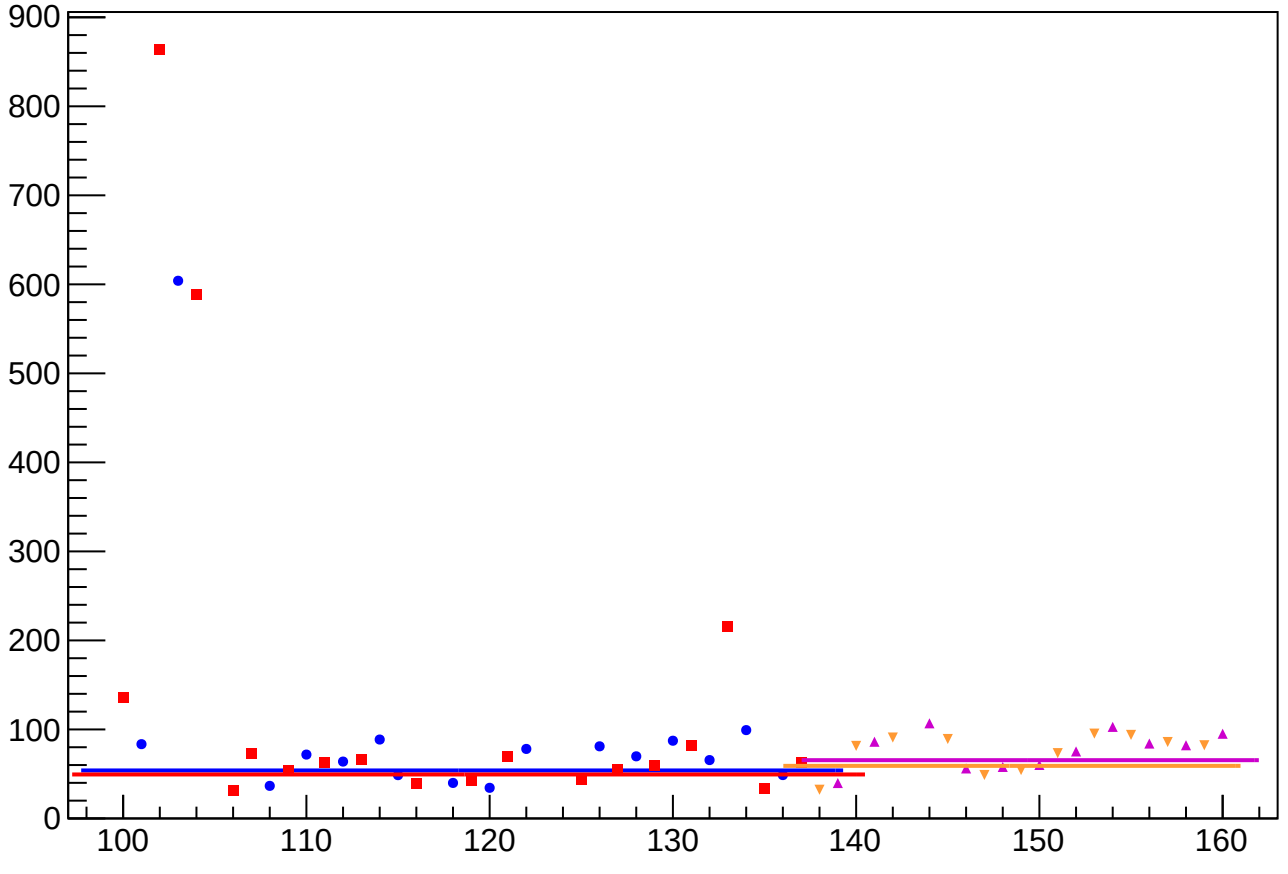
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

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: 65.476+/-0.016 χ^2/NDF:1579688.9/10

Left: 62.184+/-0.011 χ^2/NDF: 3821776.9/21

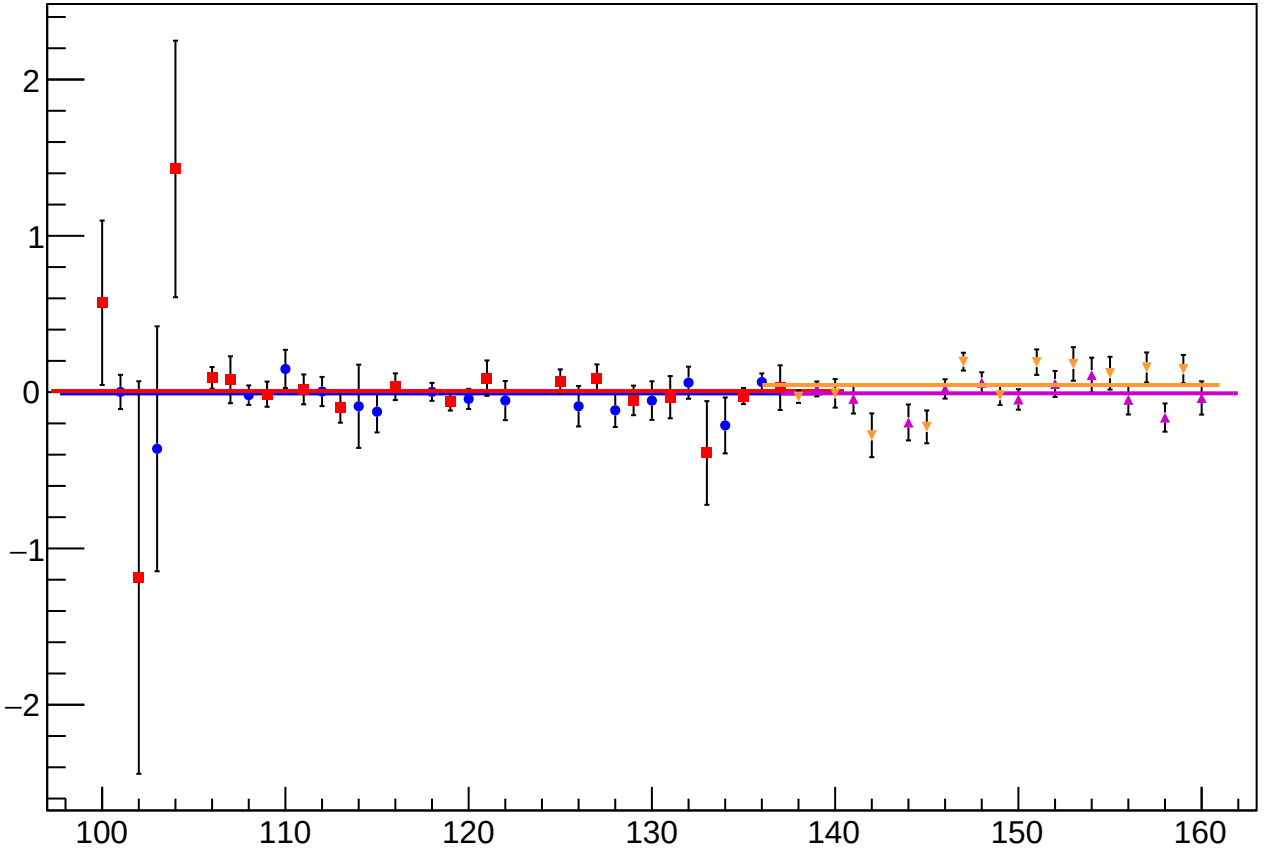
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 59.742+/-0.012 χ^2/NDF:4045617.4/26

Out: 54.240+/-0.011 χ^2/NDF:5368459.4/28

All: 56.896+/-0.008 χ^2/NDF: 9532177.3/55

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: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.020+/-0.016 χ^2/NDF: 43.9/21

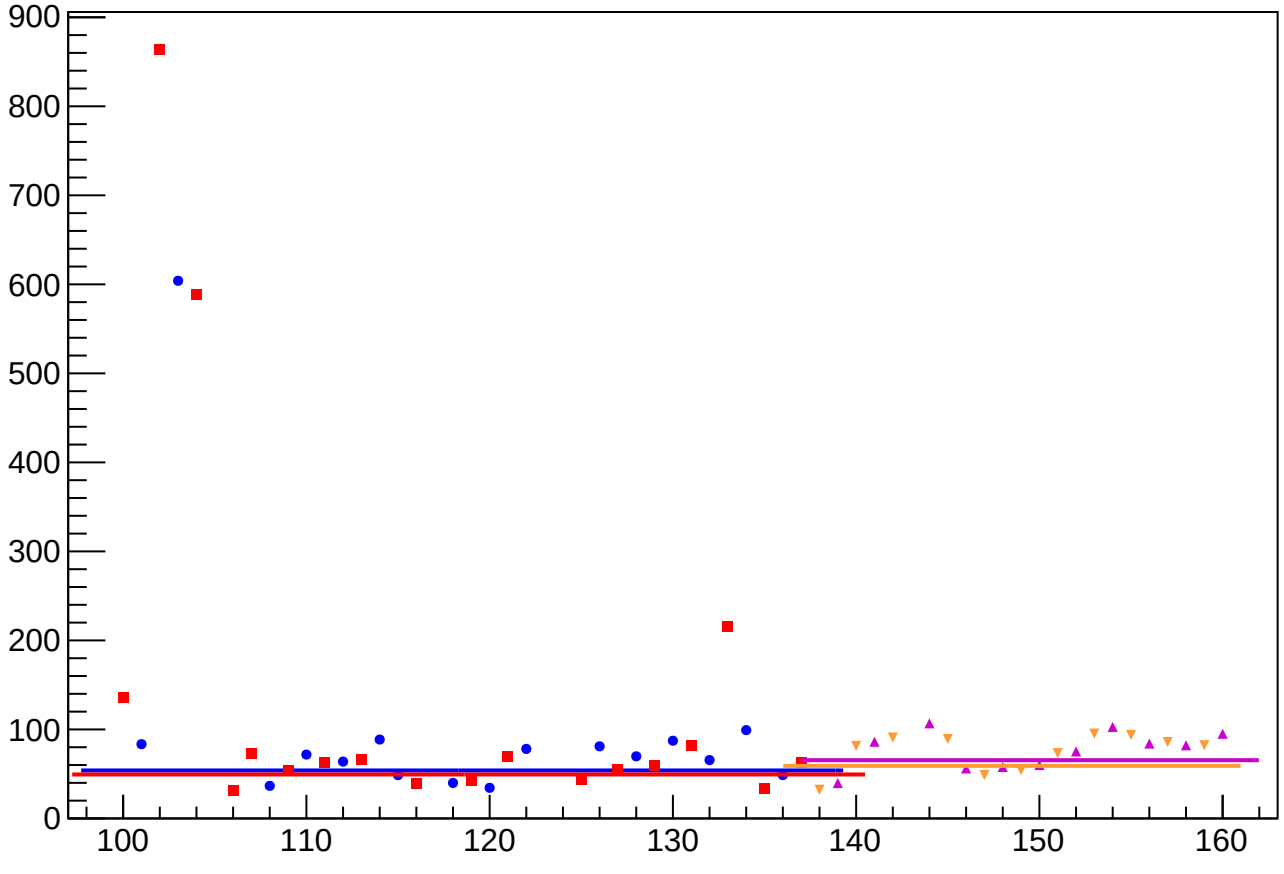
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

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: 65.476+/-0.016 χ^2/NDF:1579688.9/10

Left: 62.184+/-0.011 χ^2/NDF: 3821776.9/21

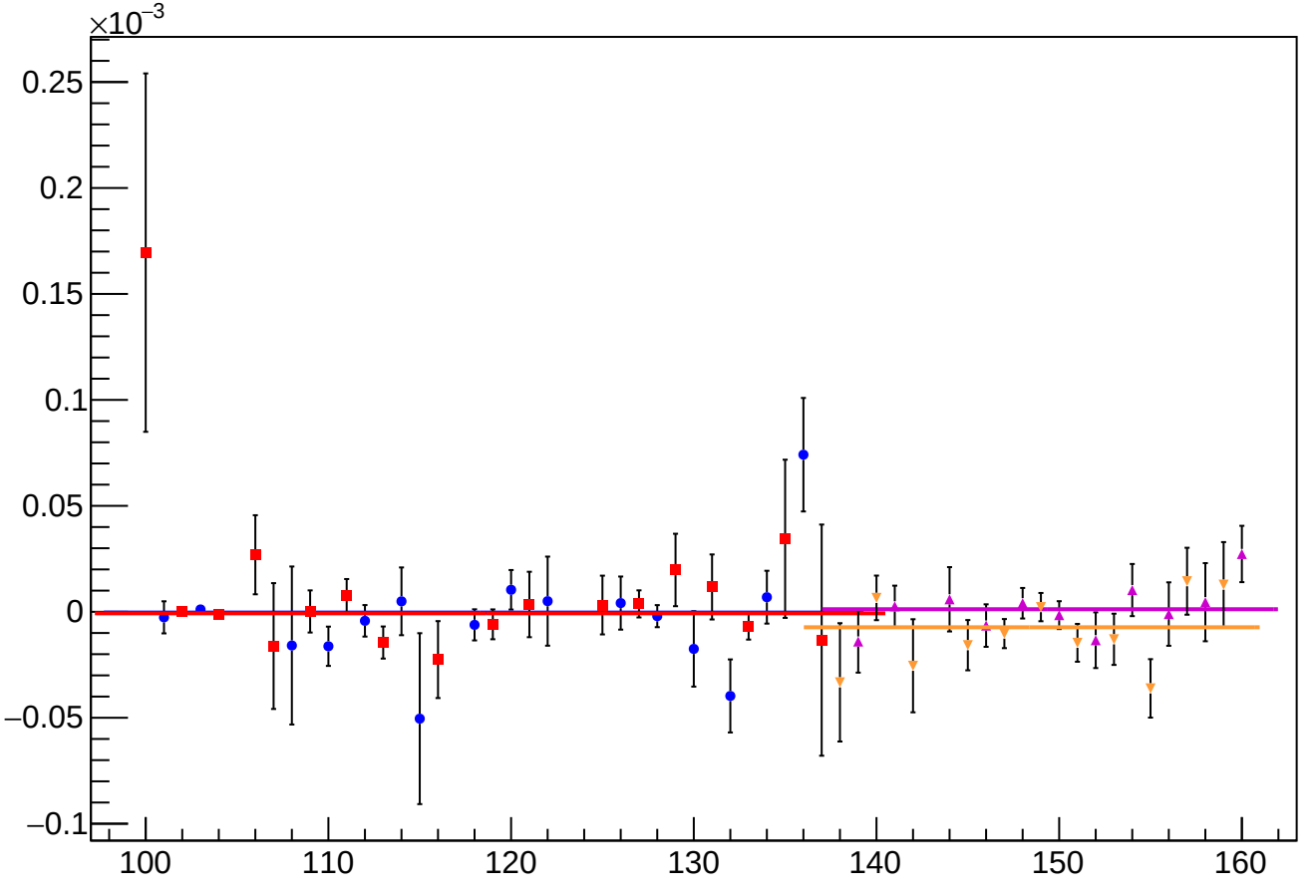
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 59.742+/-0.012 χ^2/NDF:4045617.4/26

Out: 54.240+/-0.011 χ^2/NDF:5368459.4/28

All: 56.896+/-0.008 χ^2/NDF: 9532177.3/55

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:7.8/10

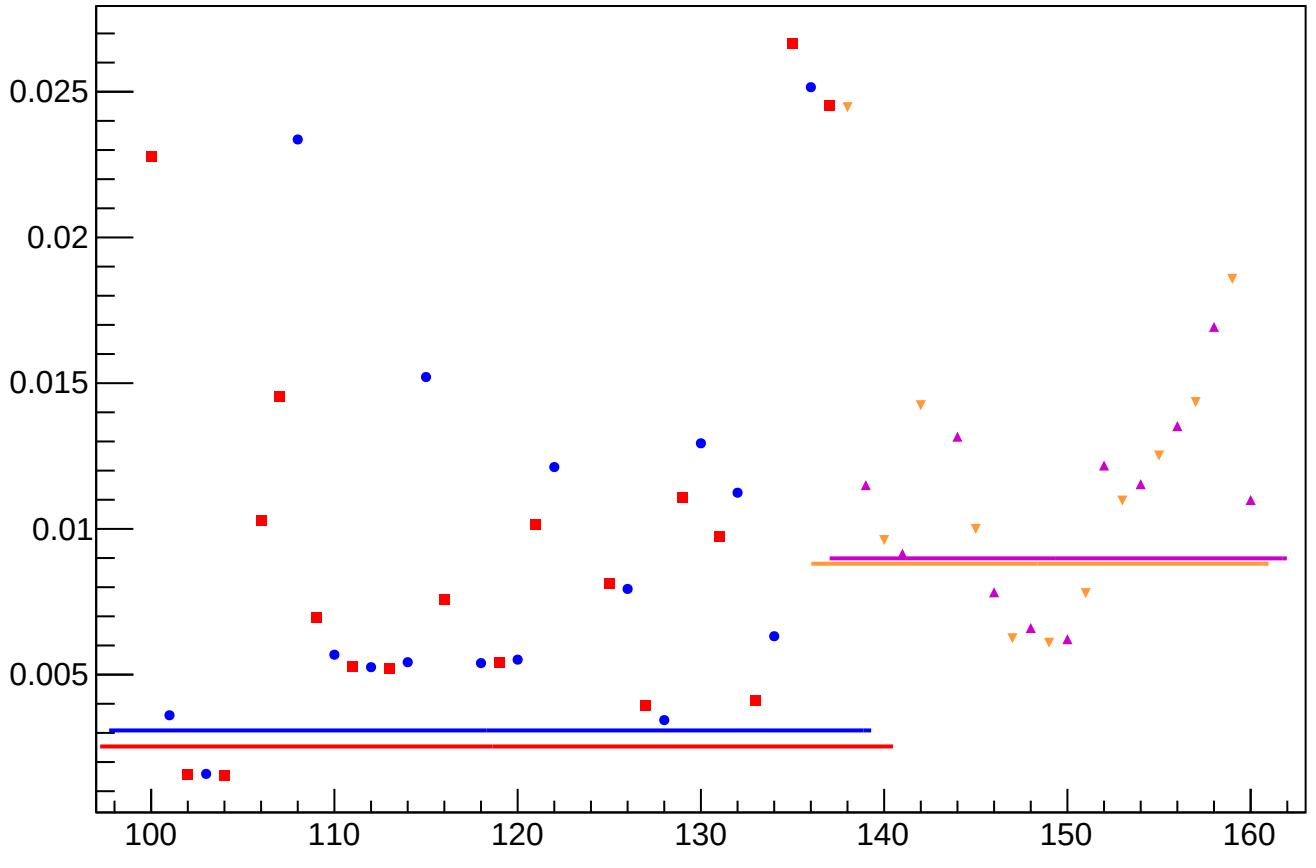
Left: -0.000+/-0.000 χ^2/NDF: 25.5/21

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:30.1/26

Out: -0.000+/-0.000 χ^2/NDF:35.6/28

All: -0.000+/-0.000 χ^2/NDF: 66.4/55



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2346833.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1616729.1/10

Left: 0.009+/-0.000 χ^2/NDF: 3966756.5/21

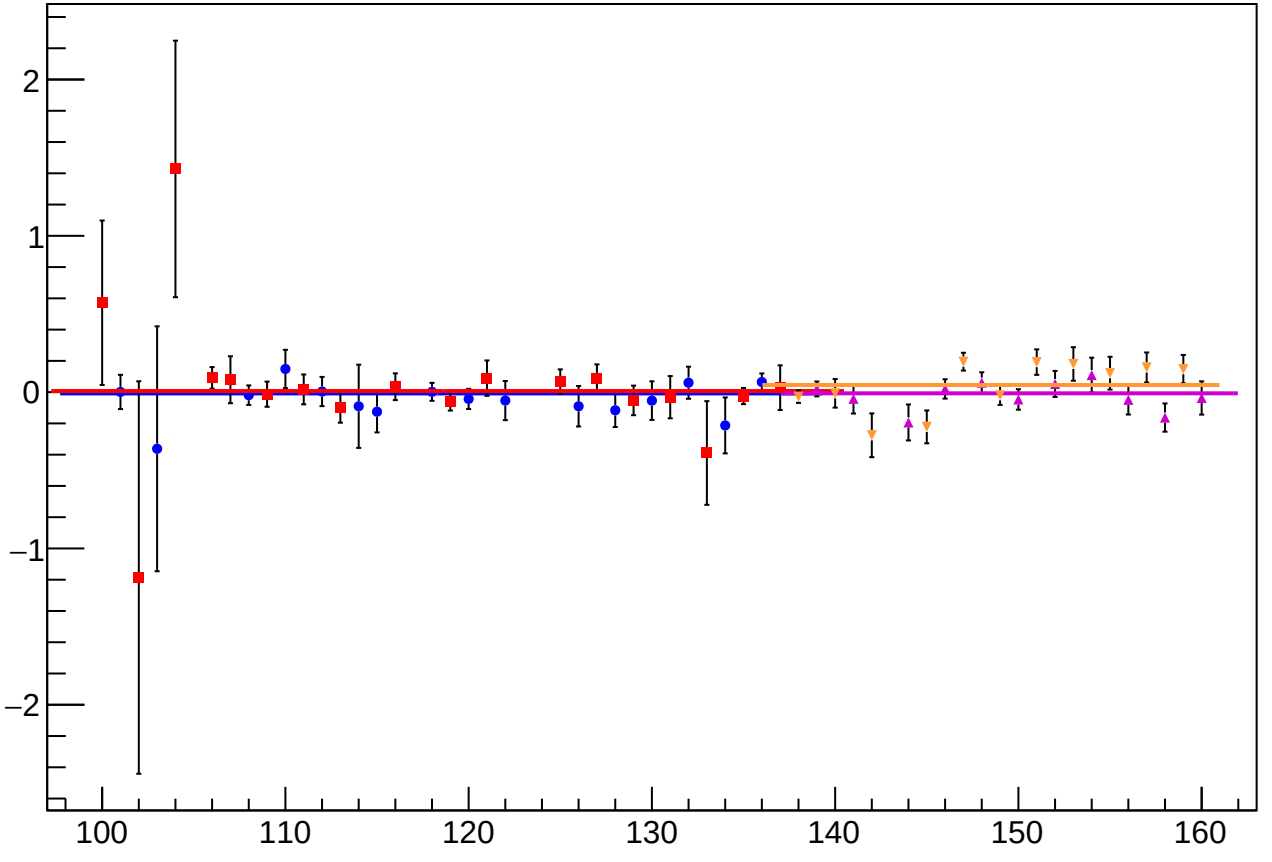
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:12796504.5/26

Out: 0.003+/-0.000 χ^2/NDF:15024383.9/28

All: 0.004+/-0.000 χ^2/NDF: 28310978.5/55

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: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.020+/-0.016 χ^2/NDF: 43.9/21

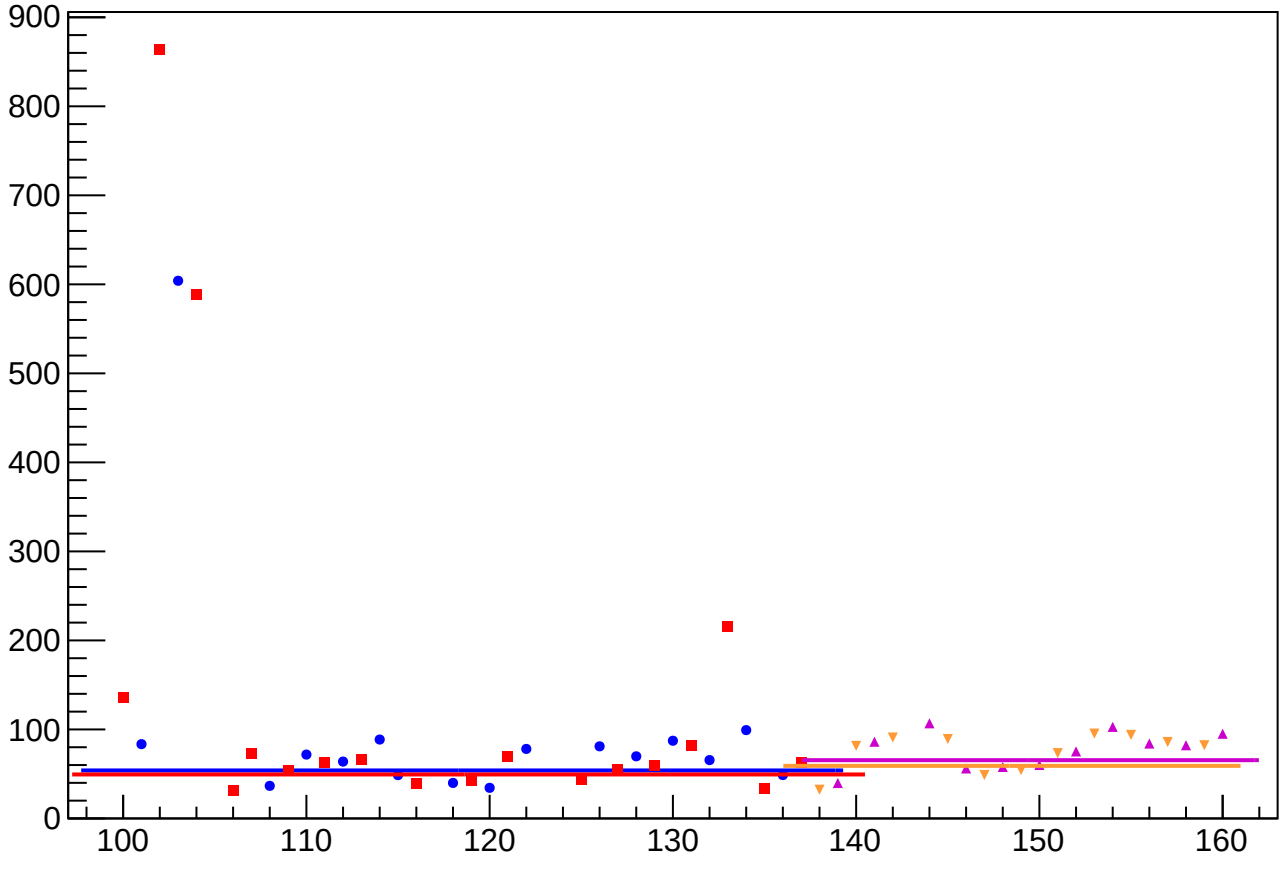
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

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: 65.476+/-0.016 χ^2/NDF:1579898.1/10

Left: 62.187+/-0.011 χ^2/NDF: 3821203.0/21

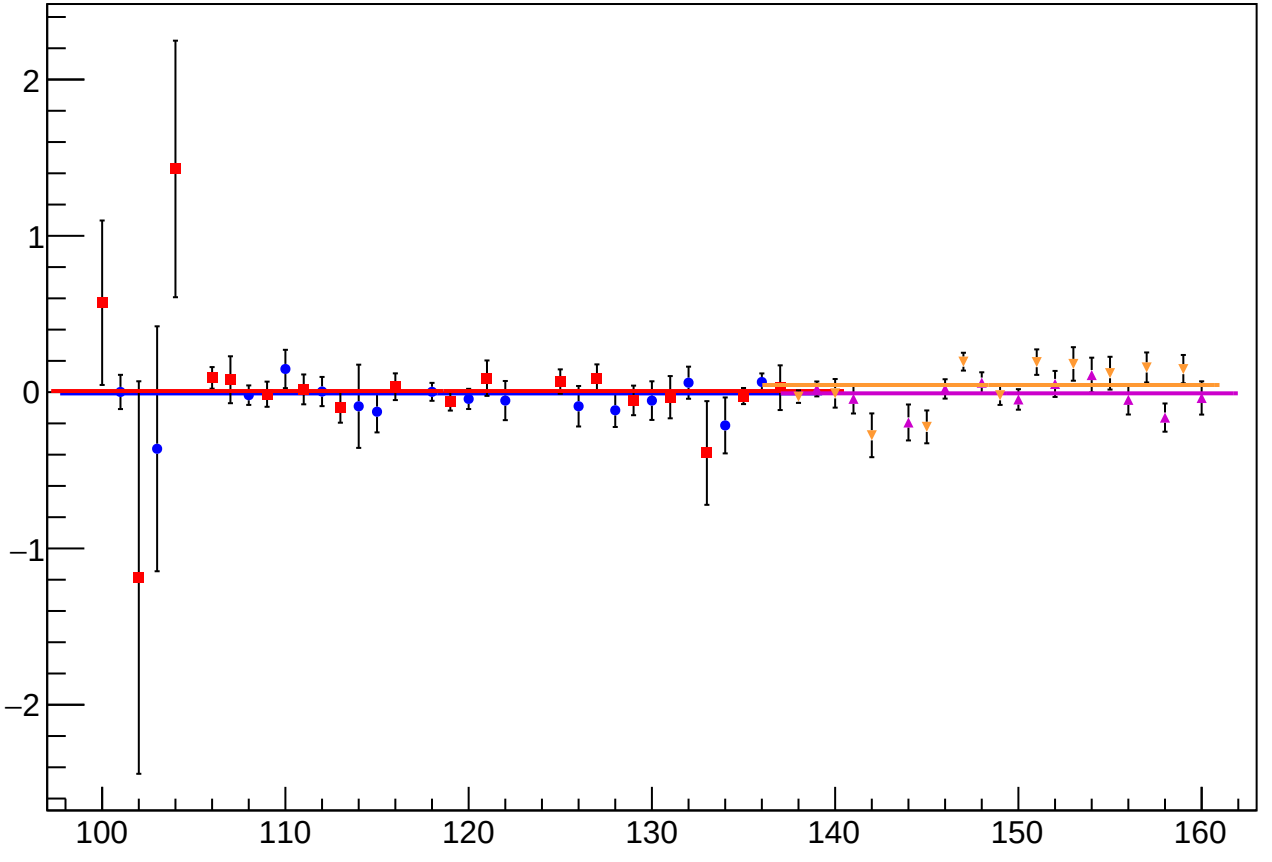
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 59.743+/-0.012 χ^2/NDF:4045251.0/26

Out: 54.243+/-0.011 χ^2/NDF:5367588.6/28

All: 56.899+/-0.008 χ^2/NDF: 9530877.0/55

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: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.020+/-0.016 χ^2/NDF: 43.9/21

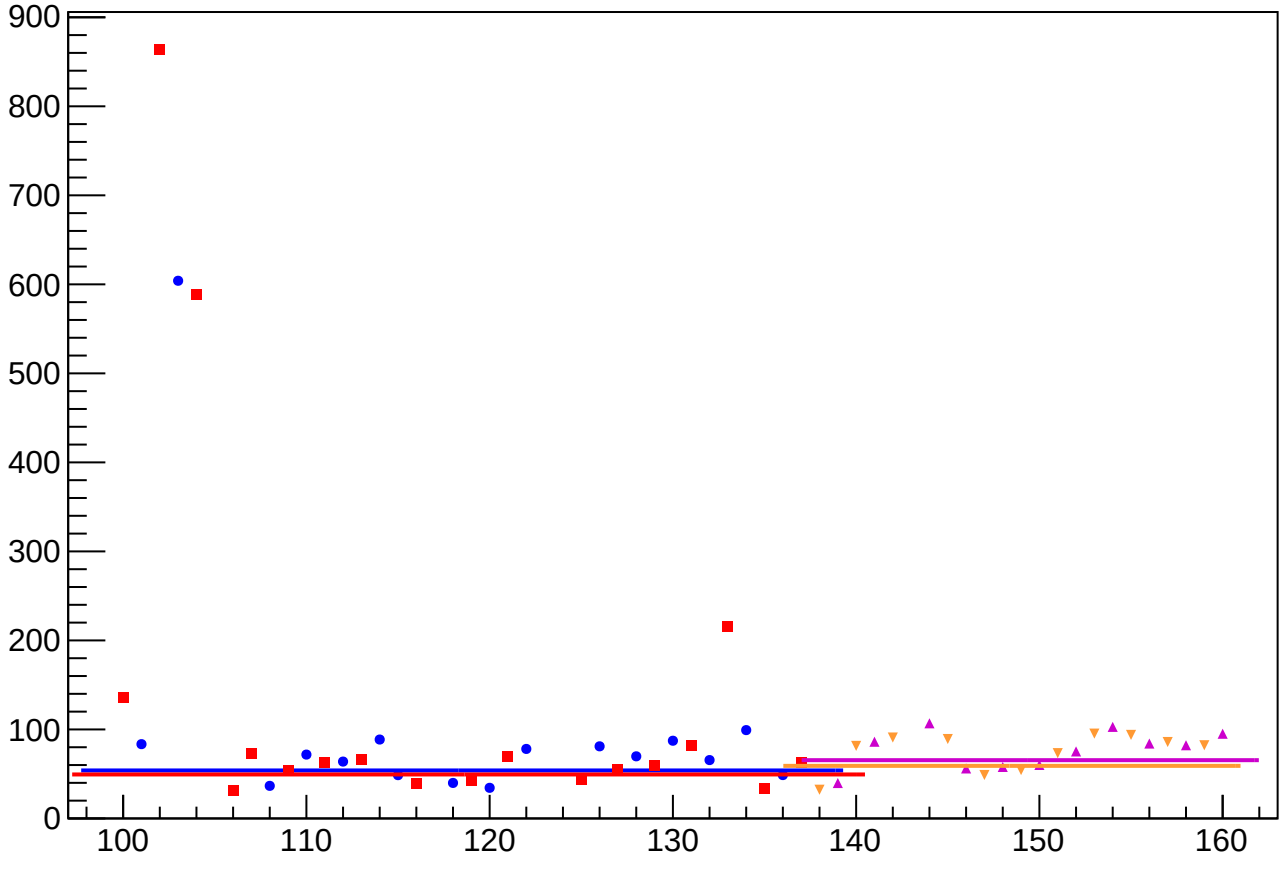
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.026+/-0.016 χ^2/NDF:46.7/28

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

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: 65.476+/-0.016 χ^2/NDF:1579898.1/10

Left: 62.187+/-0.011 χ^2/NDF: 3821203.0/21

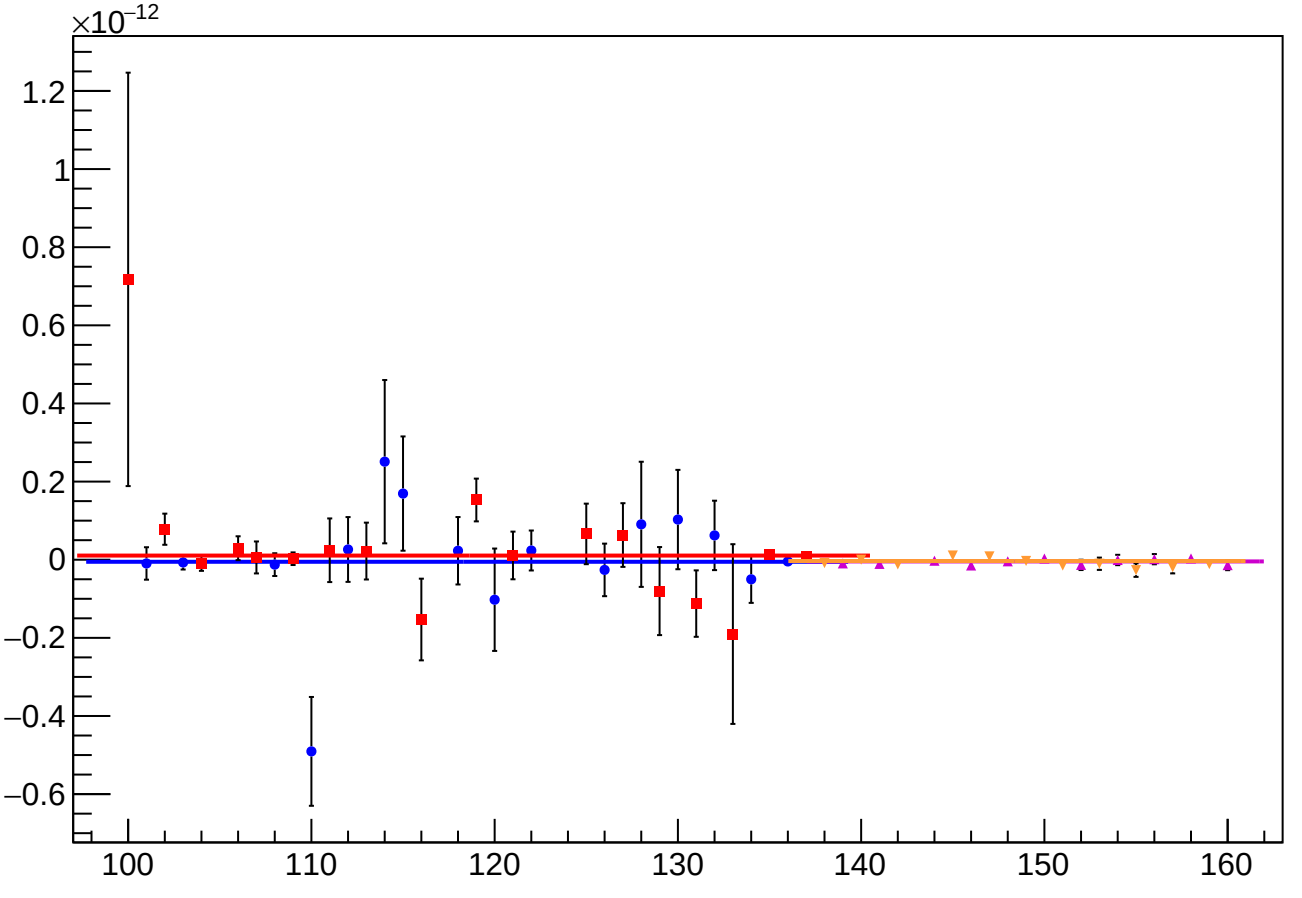
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 59.743+/-0.012 χ^2/NDF:4045251.0/26

Out: 54.243+/-0.011 χ^2/NDF:5367588.6/28

All: 56.899+/-0.008 χ^2/NDF: 9530877.0/55

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_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:11.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/10

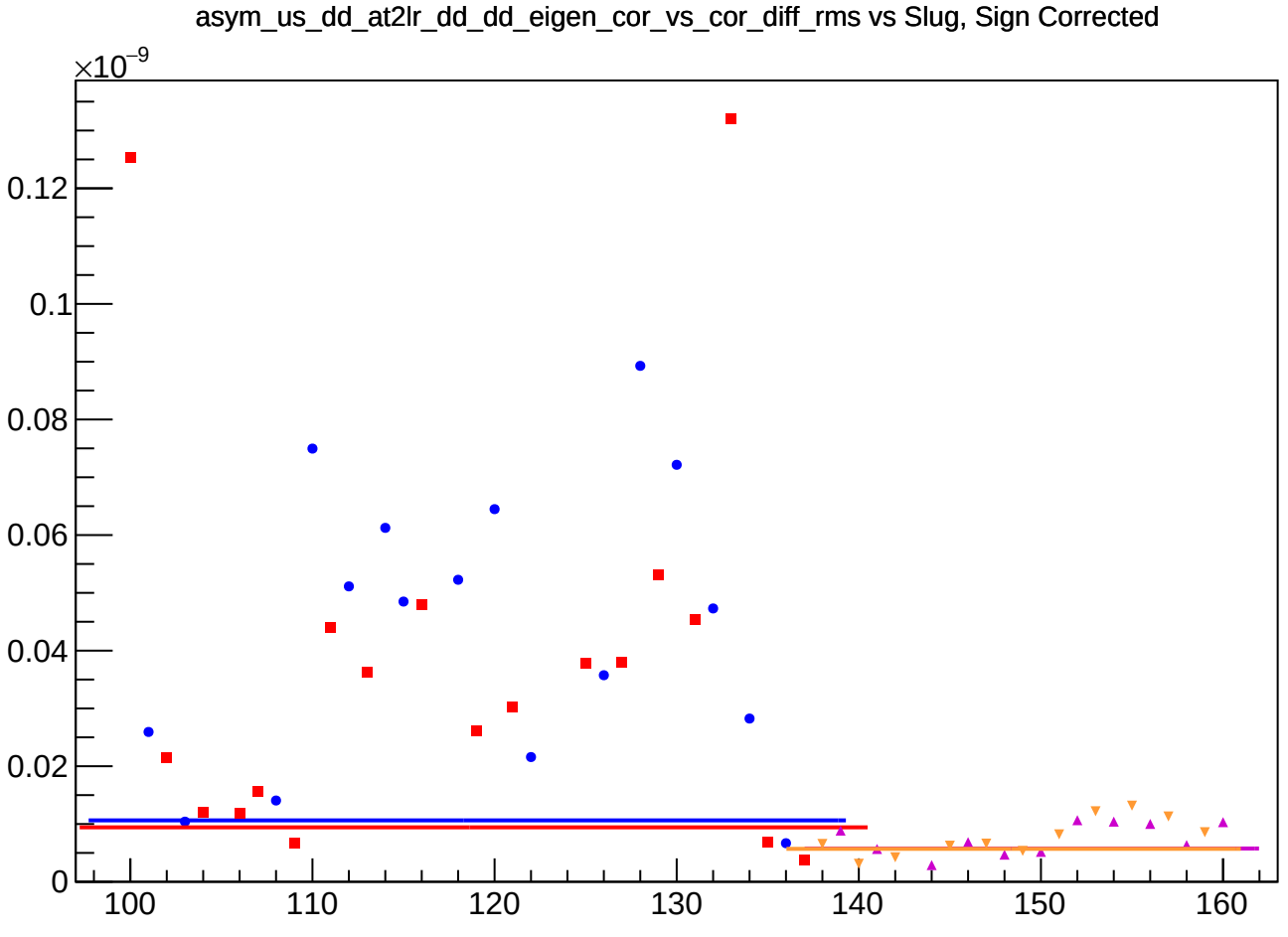
Left: -0.000+/-0.000 χ^2/NDF: 17.4/21

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.5/26

Out: -0.000+/-0.000 χ^2/NDF:35.6/28

All: -0.000+/-0.000 χ^2/NDF: 60.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1966072.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1917755.5/10

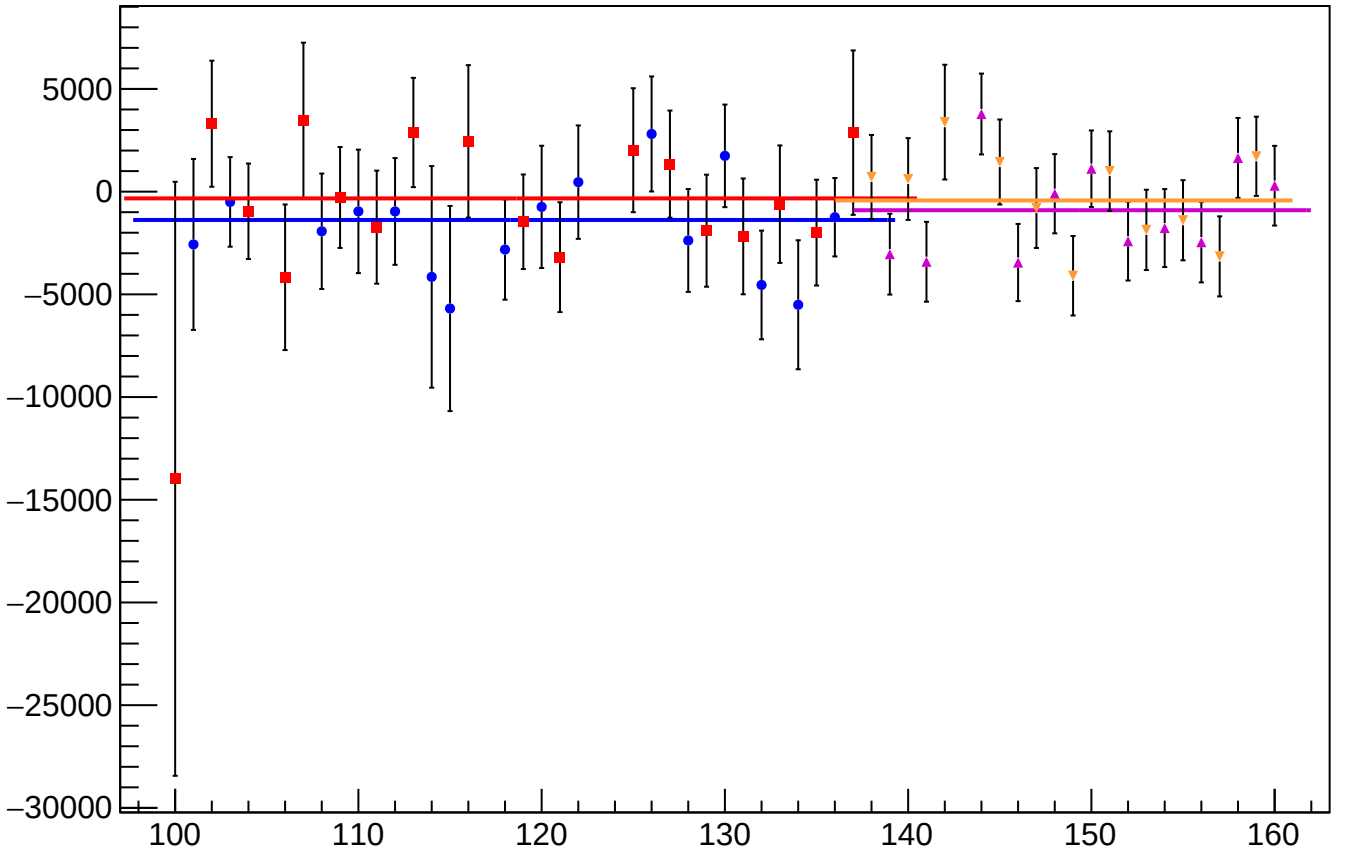
Left: 0.000+/-0.000 χ^2/NDF: 3884422.7/21

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7368287.7/26

Out: 0.000+/-0.000 χ^2/NDF:6567460.5/28

All: 0.000+/-0.000 χ^2/NDF: 13938223.7/55



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: -904.492+/-581.042 χ^2/NDF:15.3/10

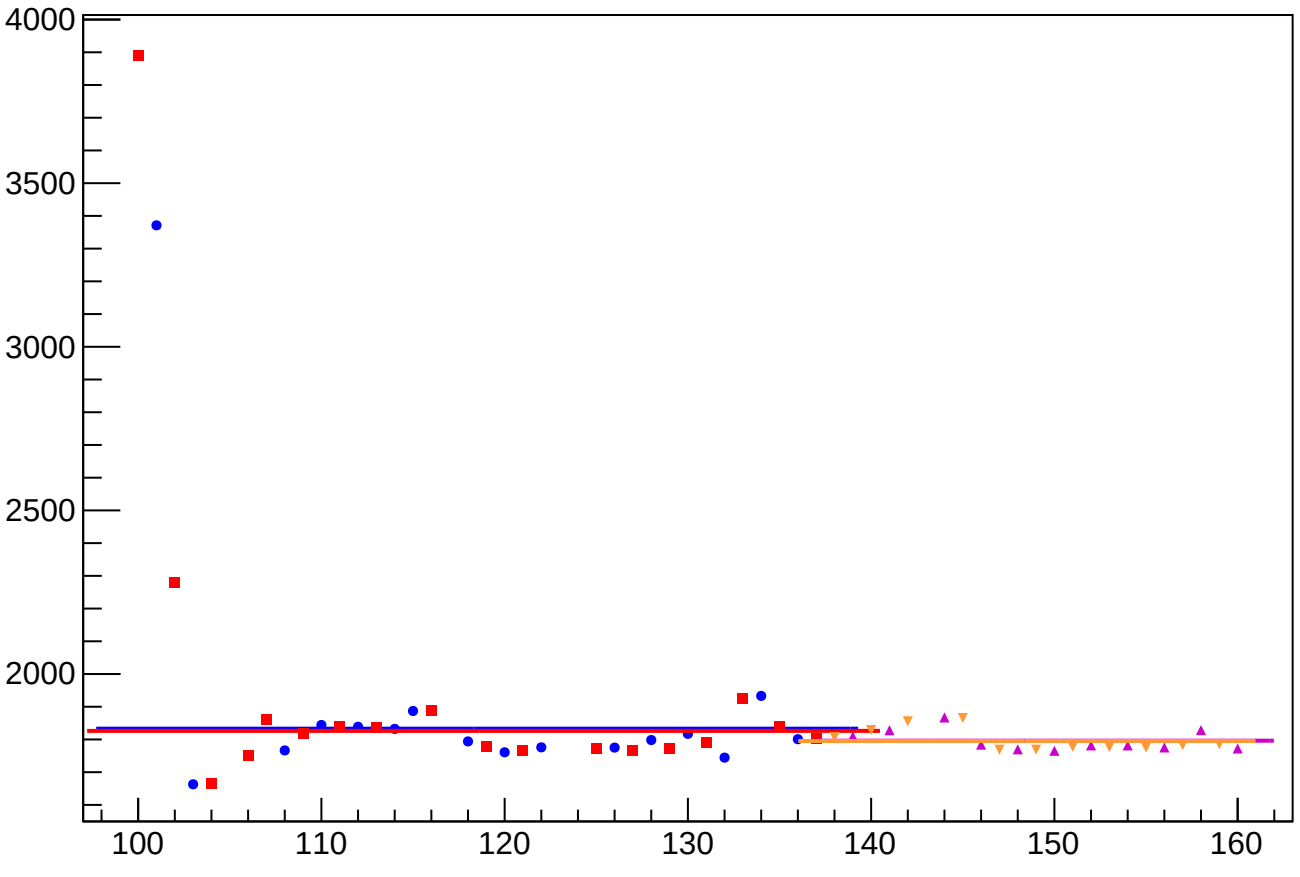
Left: -677.033+/-419.934 χ^2/NDF: 27.0/21

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1101.590+/-444.189 χ^2/NDF:24.8/26

Out: -384.396+/-454.226 χ^2/NDF:22.5/28

All: -751.004+/-317.578 χ^2/NDF: 48.6/55



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: 1796.250+/-0.411 χ^2/NDF:5543.0/10

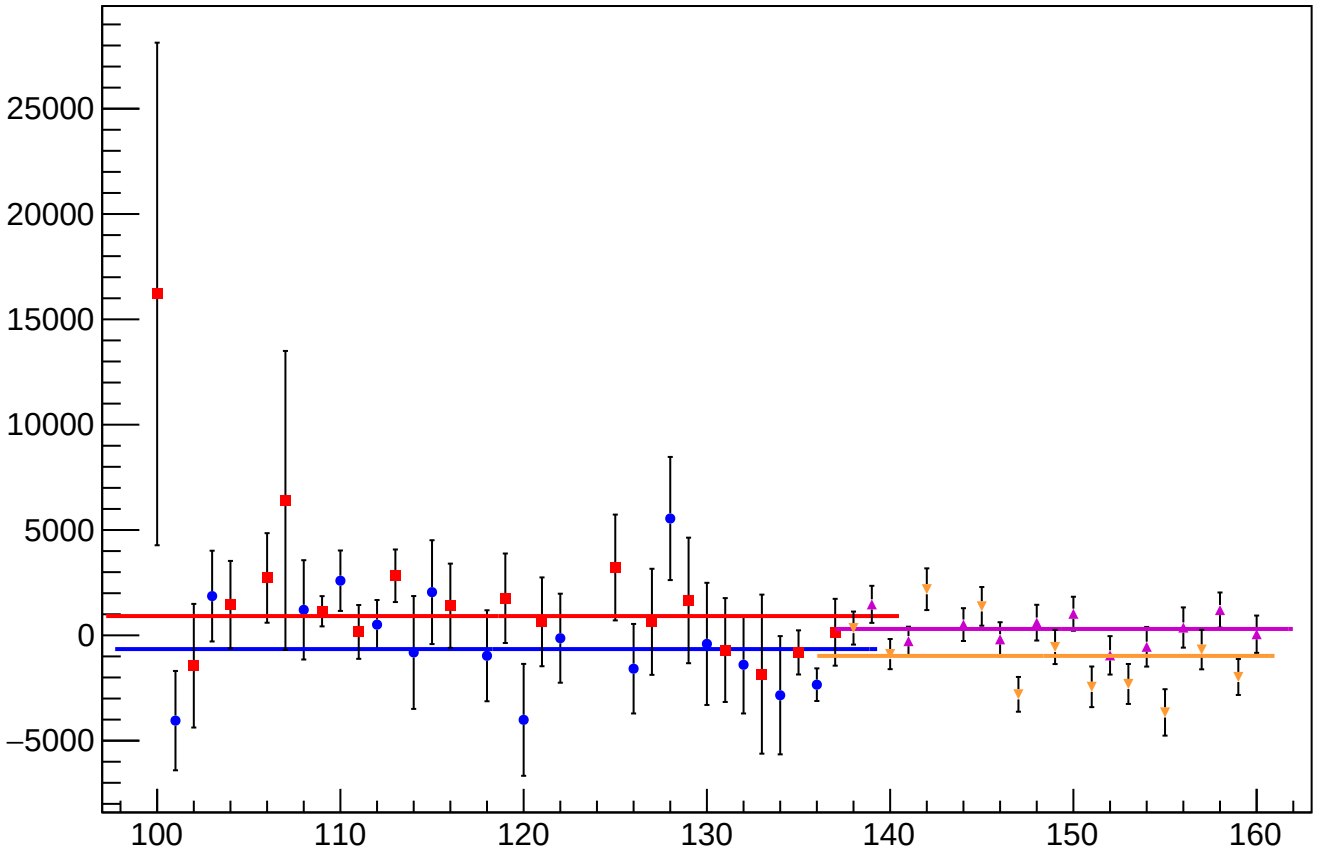
Left: 1795.813+/-0.297 χ^2/NDF: 10858.0/21

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1811.500+/-0.314 χ^2/NDF:304297.8/26

Out: 1808.954+/-0.321 χ^2/NDF:110597.0/28

All: 1810.256+/-0.225 χ^2/NDF: 414927.0/55



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: 302.584+/-252.714 χ^2/NDF:7.8/10

Left: -307.667+/-182.707 χ^2/NDF: 56.5/21

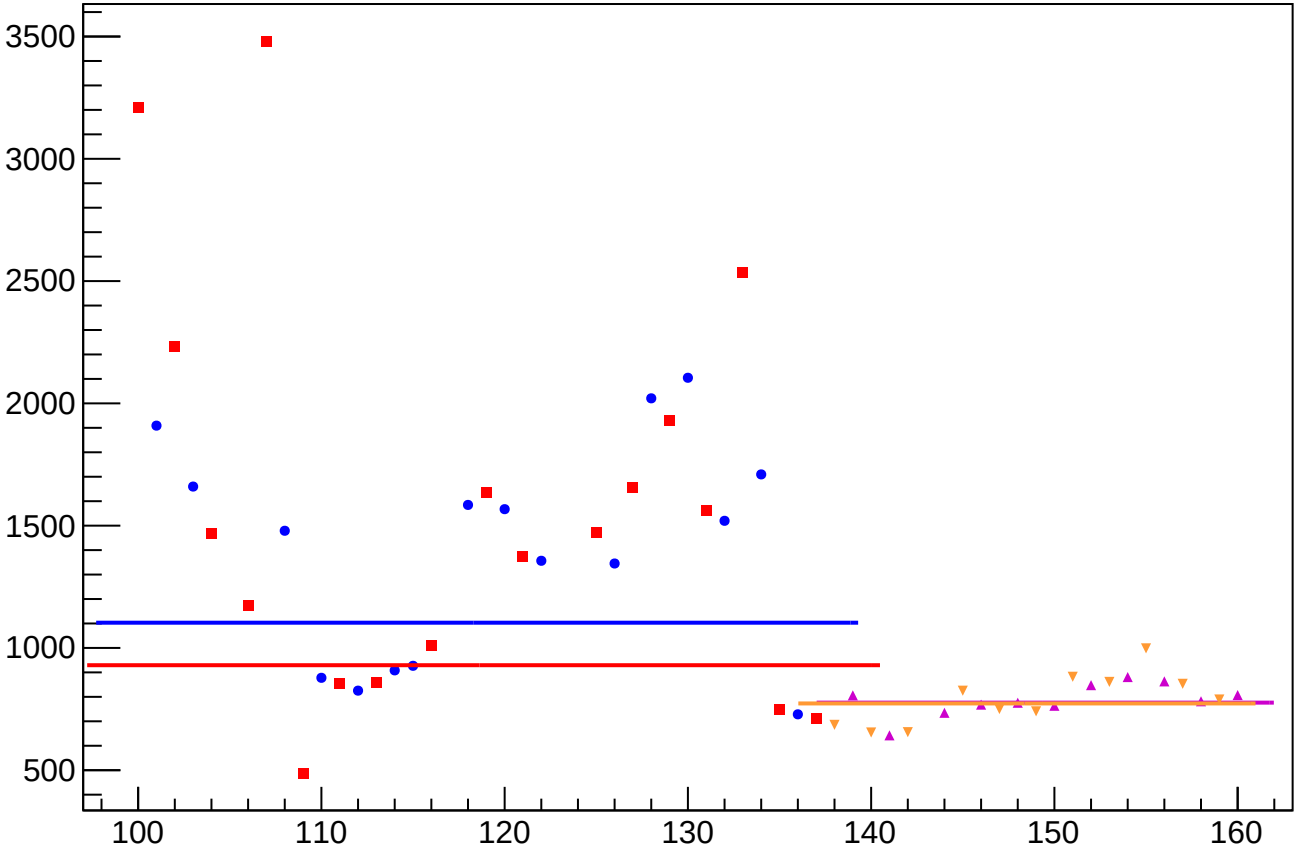
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 67.531+/-219.403 χ^2/NDF:34.5/26

Out: -387.528+/-219.480 χ^2/NDF:63.9/28

All: -159.919+/-155.169 χ^2/NDF: 100.6/55

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 772.992+/-0.187 χ^2/NDF:261084.7/10

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 776.353+/-0.179 χ^2/NDF:140795.5/10

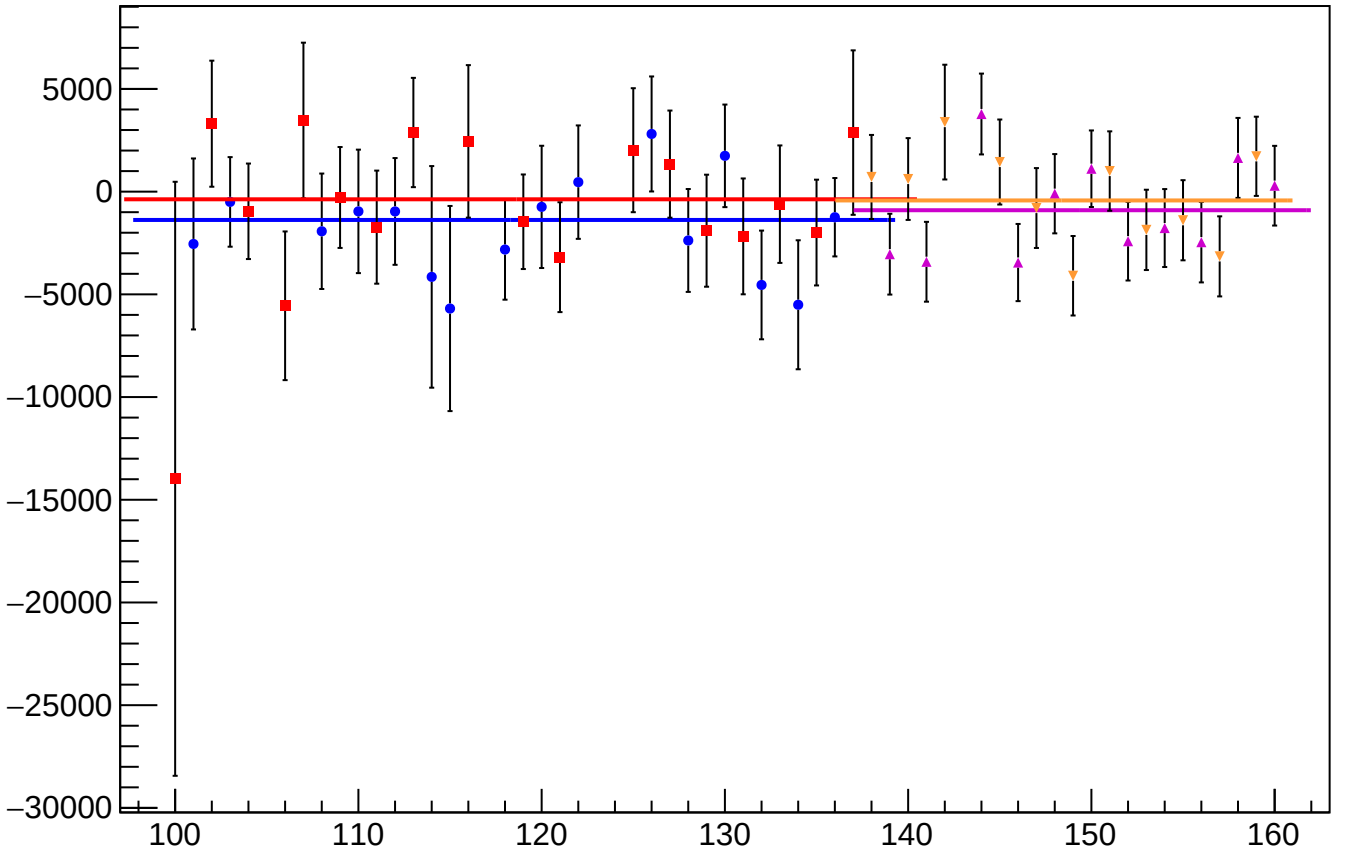
Left: 774.749+/-0.129 χ^2/NDF: 402049.0/21

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 856.835+/-0.155 χ^2/NDF:2842717.5/26

Out: 821.656+/-0.155 χ^2/NDF:3532781.7/28

All: 839.252+/-0.110 χ^2/NDF: 6401198.0/55



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: -904.403+/-581.042 χ^2/NDF:15.3/10

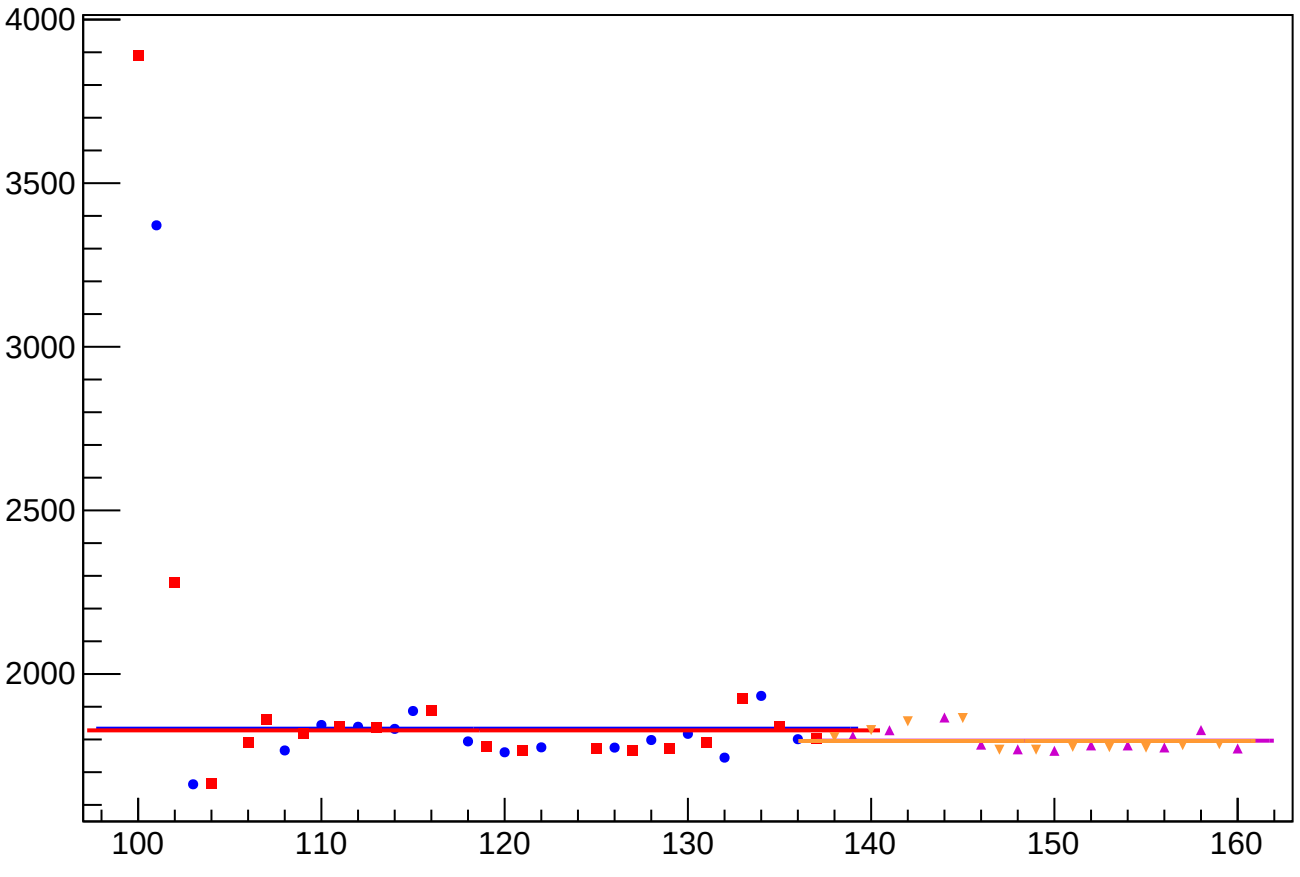
Left: -676.921+/-419.934 χ^2/NDF: 27.0/21

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1101.278+/-444.189 χ^2/NDF:24.8/26

Out: -403.646+/-454.378 χ^2/NDF:23.4/28

All: -760.372+/-317.630 χ^2/NDF: 49.4/55



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: 1796.250+/-0.411 χ^2/NDF:5543.0/10

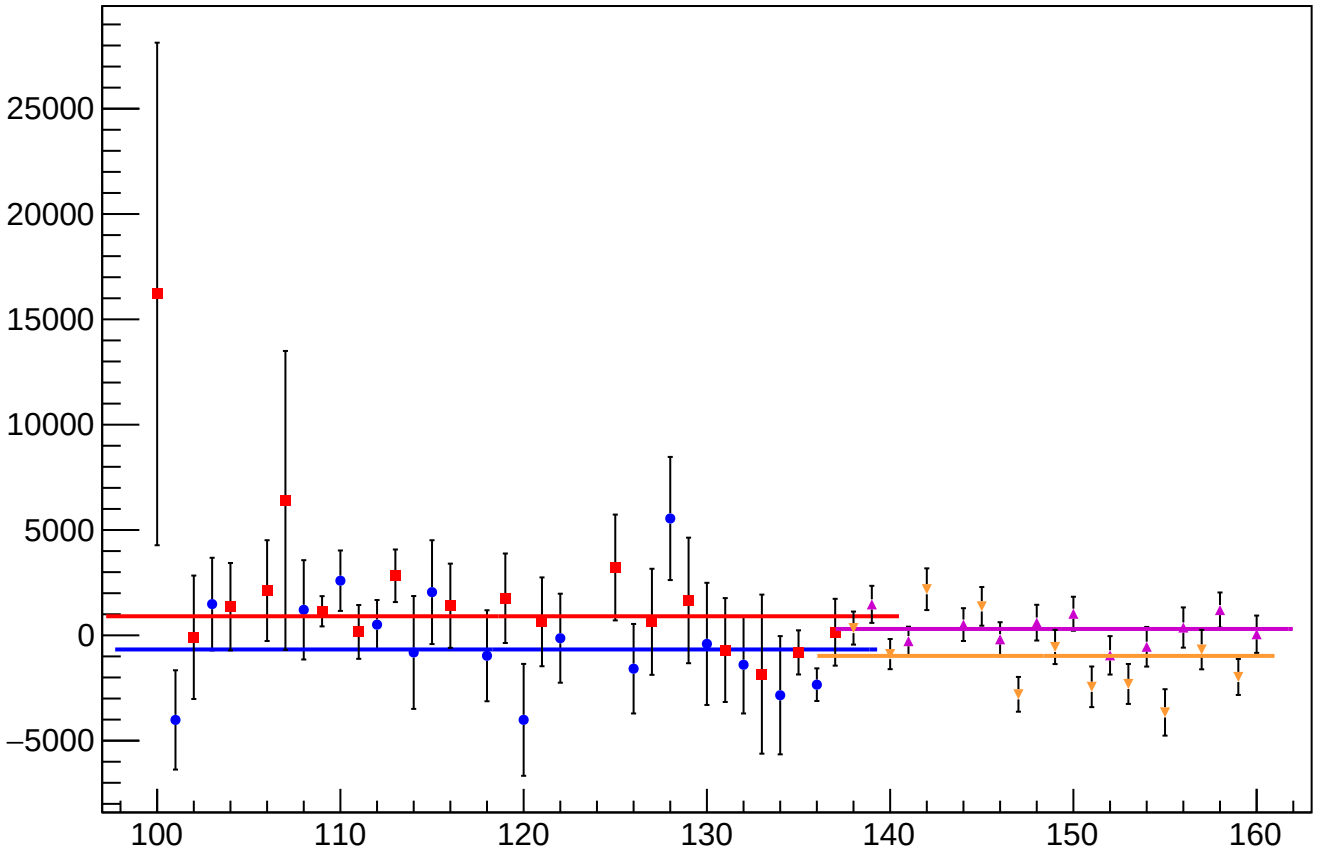
Left: 1795.813+/-0.297 χ^2/NDF: 10858.0/21

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1811.500+/-0.314 χ^2/NDF:304299.7/26

Out: 1809.638+/-0.321 χ^2/NDF:110097.3/28

All: 1810.590+/-0.225 χ^2/NDF: 414414.1/55



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: 302.522+/-252.715 χ^2/NDF:7.8/10

Left: -307.682+/-182.707 χ^2/NDF: 56.5/21

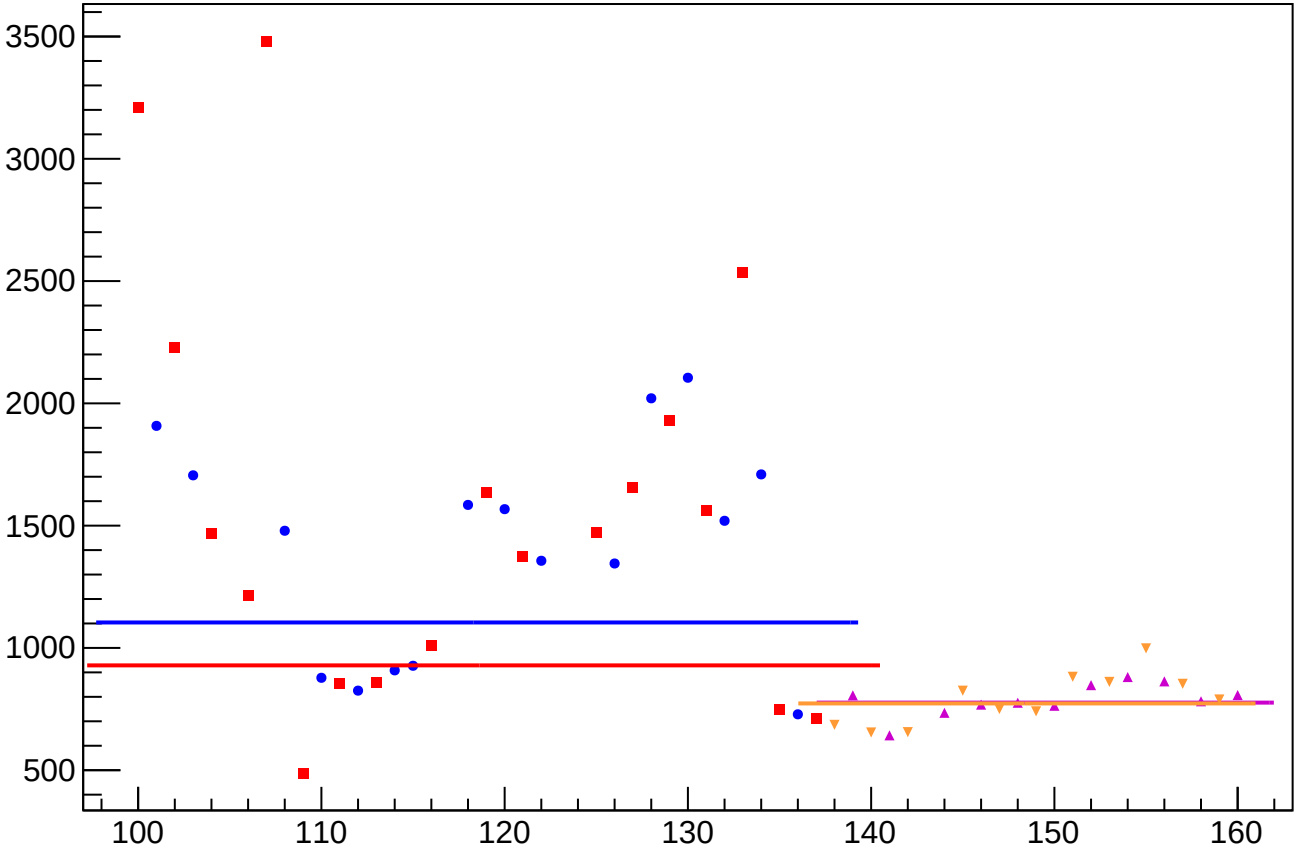
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.206+/-219.449 χ^2/NDF:34.2/26

Out: -393.100+/-219.722 χ^2/NDF:62.7/28

All: -164.664+/-155.270 χ^2/NDF: 99.0/55

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: 776.355+/-0.179 χ^2/NDF:140845.7/10

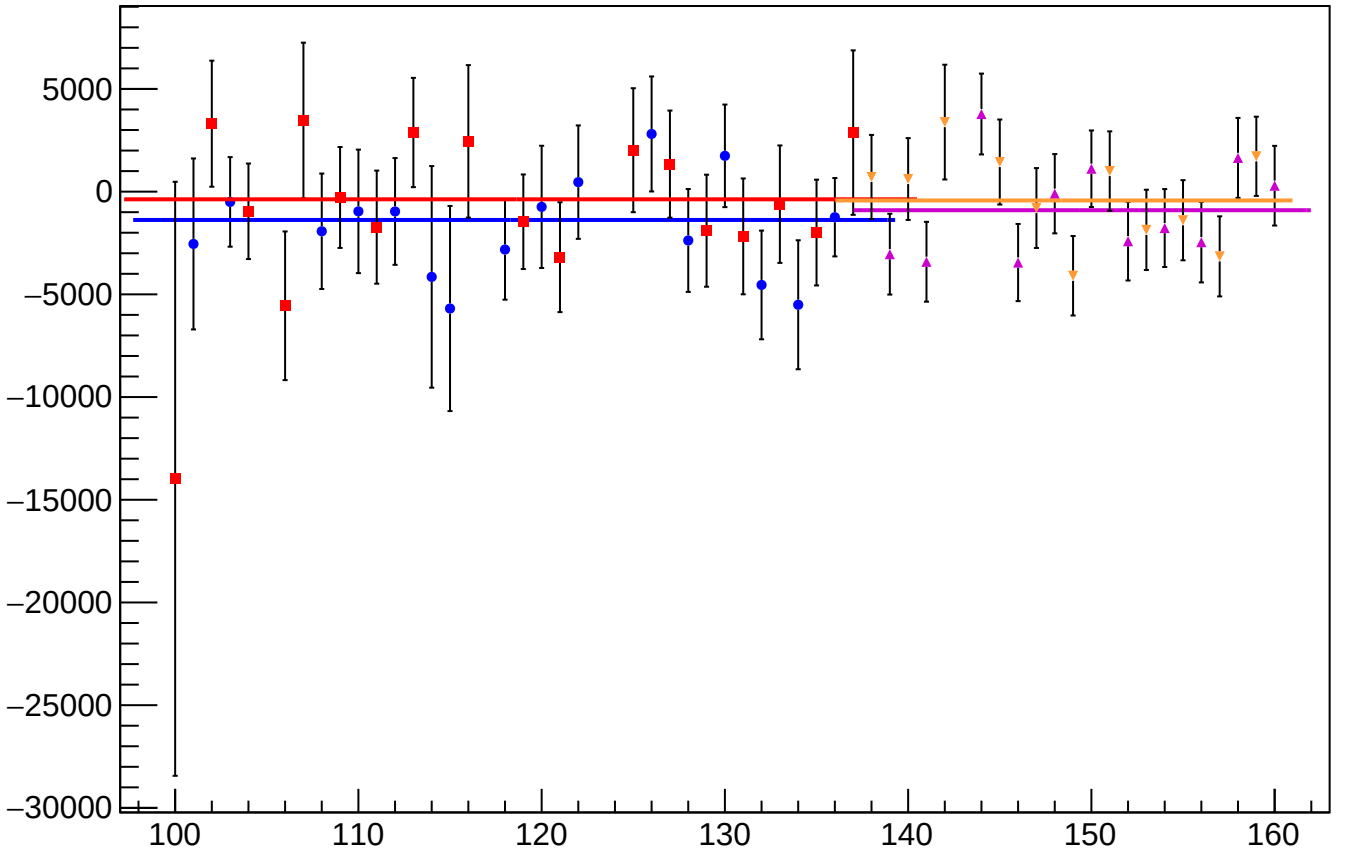
Left: 774.753+/-0.129 χ^2/NDF: 402066.5/21

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 856.962+/-0.155 χ^2/NDF:2862653.5/26

Out: 821.199+/-0.155 χ^2/NDF:3529952.8/28

All: 839.103+/-0.110 χ^2/NDF: 6419131.7/55



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: -904.403+/-581.042 χ^2/NDF:15.3/10

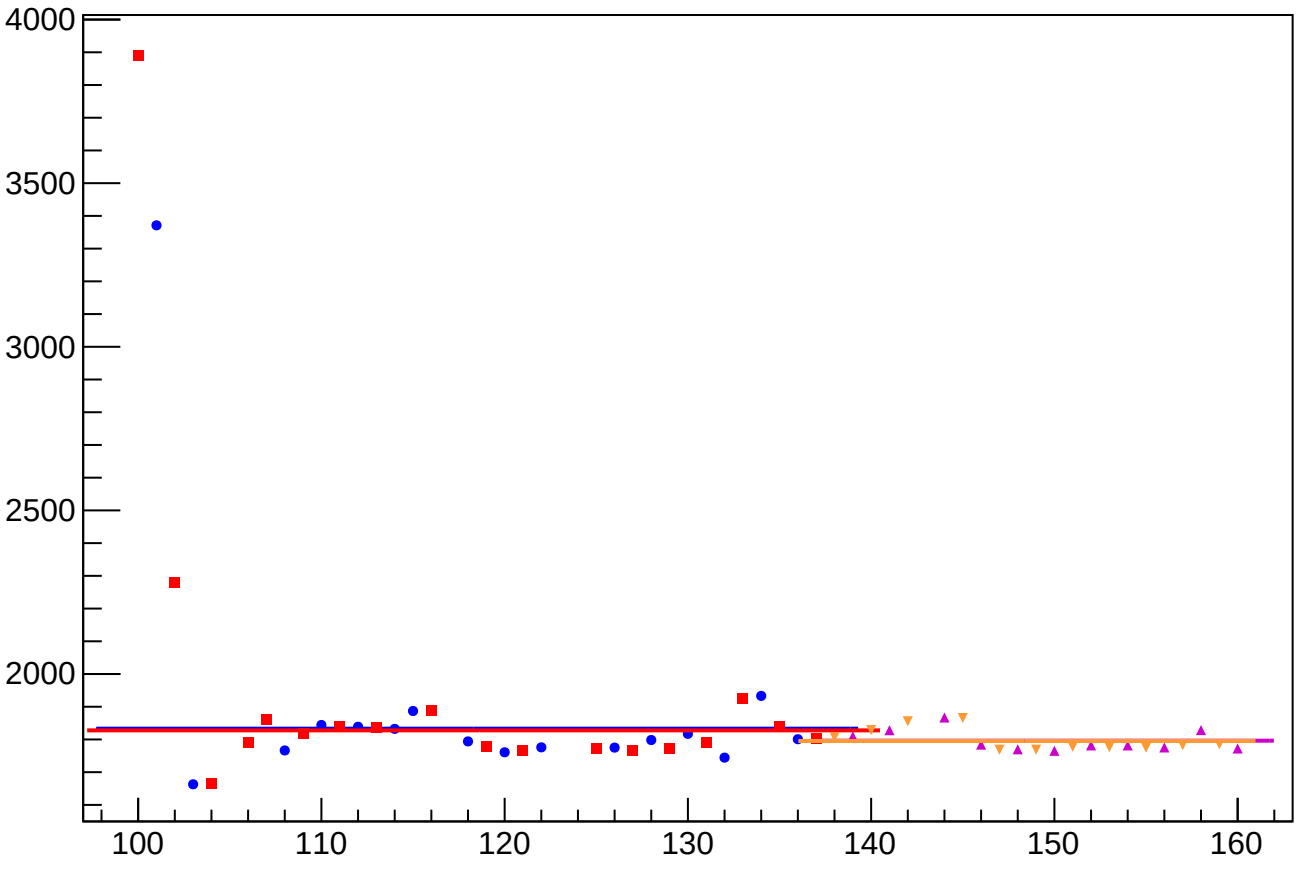
Left: -676.921+/-419.934 χ^2/NDF: 27.0/21

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1101.278+/-444.189 χ^2/NDF:24.8/26

Out: -403.646+/-454.378 χ^2/NDF:23.4/28

All: -760.372+/-317.630 χ^2/NDF: 49.4/55



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: 1796.250+/-0.411 χ^2/NDF:5543.0/10

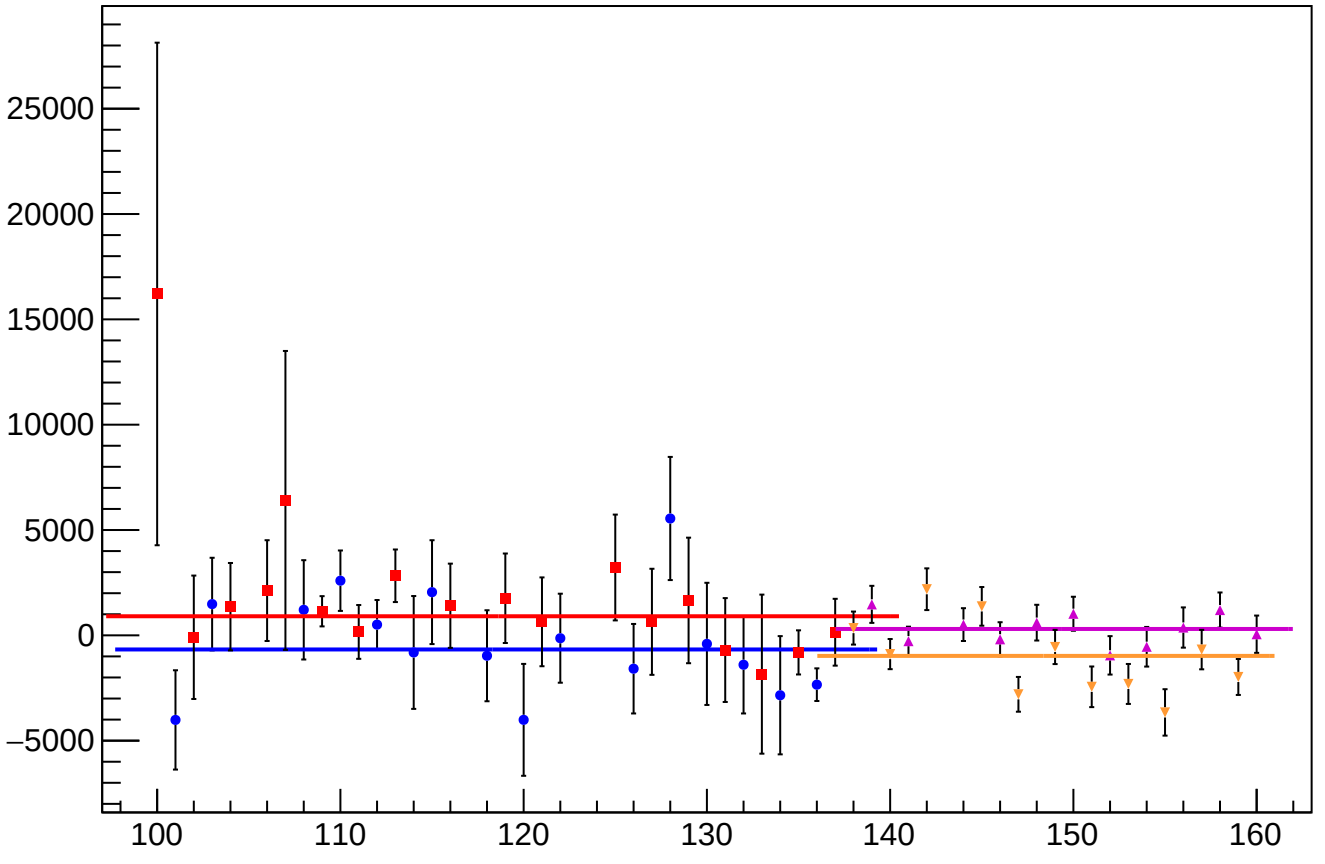
Left: 1795.813+/-0.297 χ^2/NDF: 10858.0/21

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1811.500+/-0.314 χ^2/NDF:304299.7/26

Out: 1809.638+/-0.321 χ^2/NDF:110097.3/28

All: 1810.590+/-0.225 χ^2/NDF: 414414.1/55



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: 302.522+/-252.715 χ^2/NDF:7.8/10

Left: -307.682+/-182.707 χ^2/NDF: 56.5/21

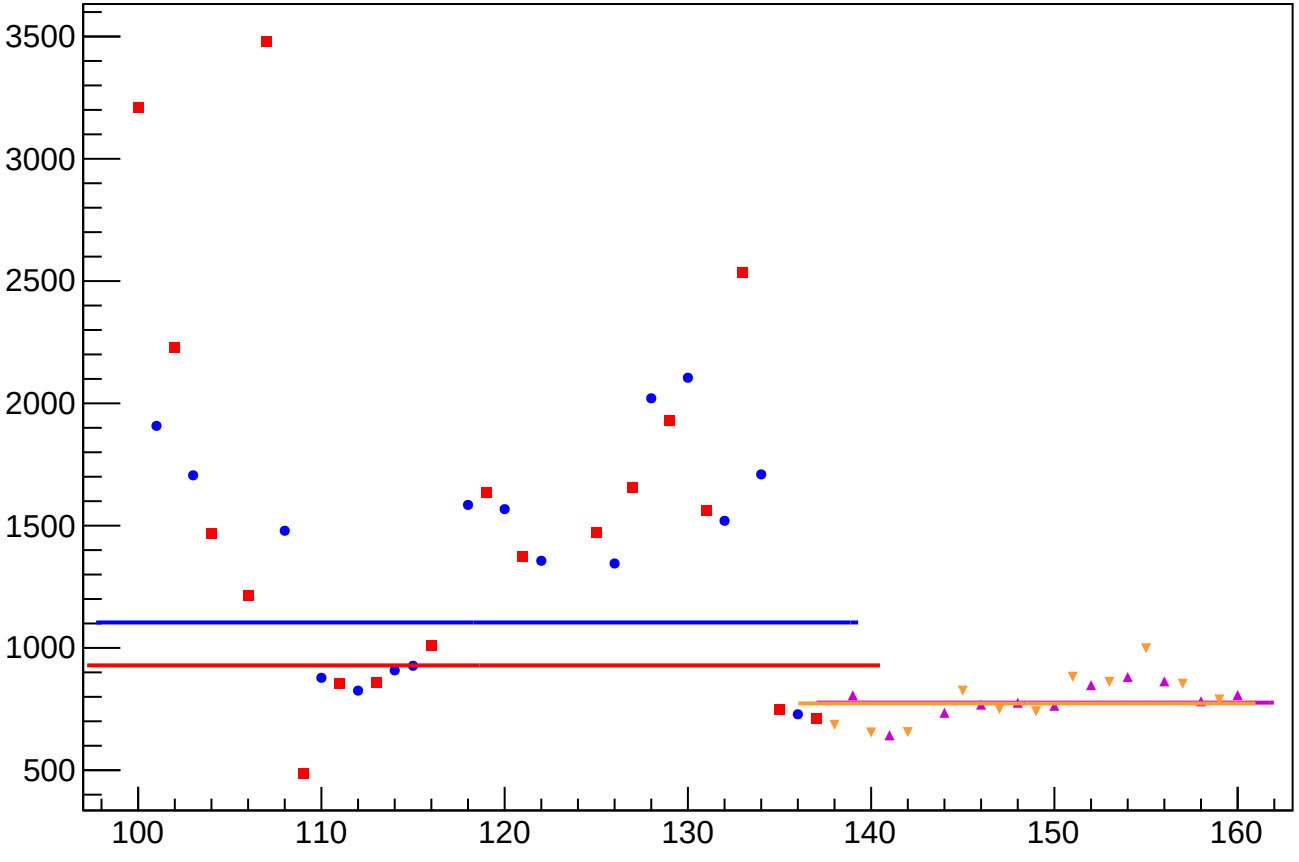
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.206+/-219.449 χ^2/NDF:34.2/26

Out: -393.100+/-219.722 χ^2/NDF:62.7/28

All: -164.664+/-155.270 χ^2/NDF: 99.0/55

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: 776.355+/-0.179 χ^2/NDF:140845.7/10

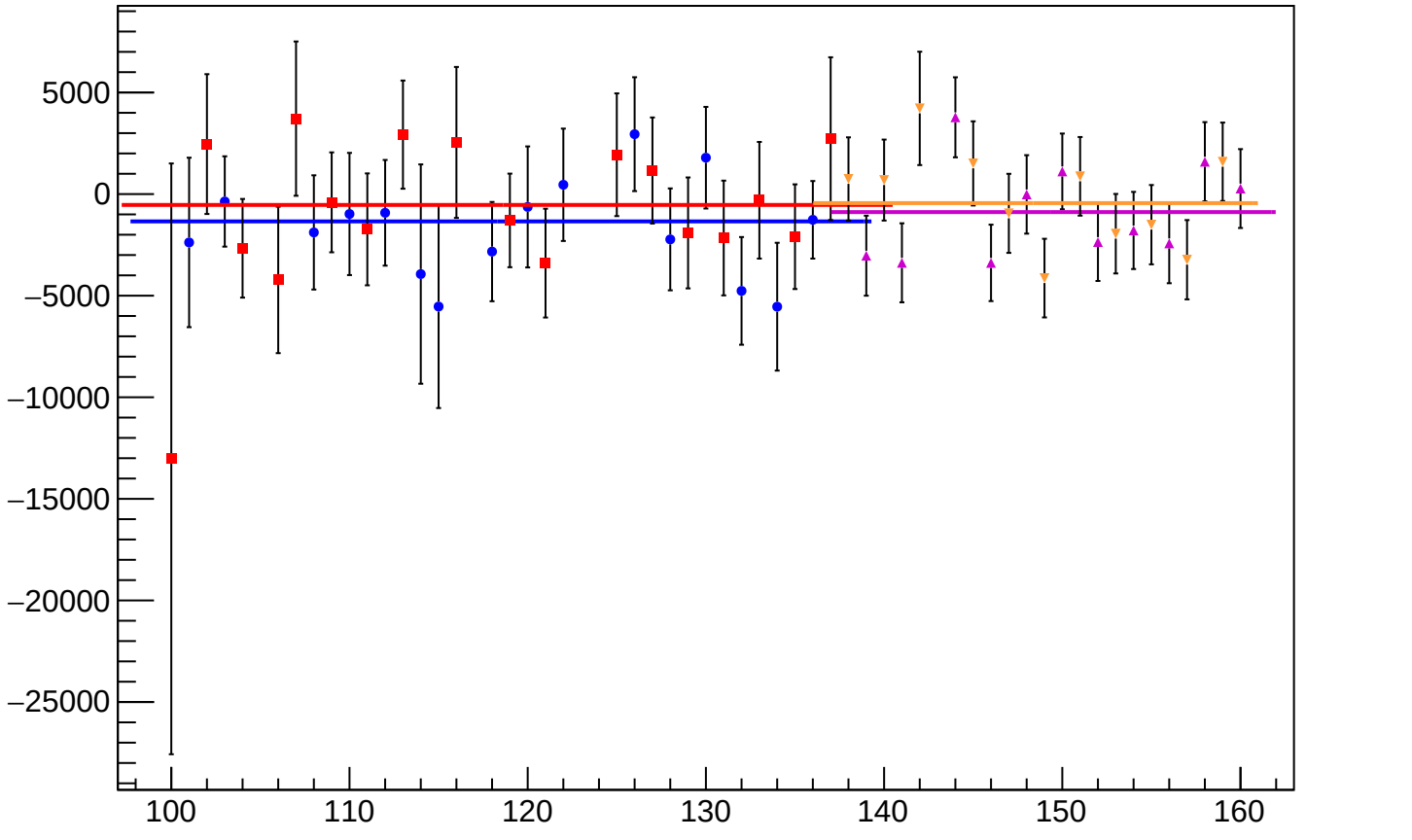
Left: 774.753+/-0.129 χ^2/NDF: 402066.5/21

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 856.962+/-0.155 χ^2/NDF:2862653.5/26

Out: 821.199+/-0.155 χ^2/NDF:3529952.8/28

All: 839.103+/-0.110 χ^2/NDF: 6419131.7/55



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -443.921+/-607.989 χ^2/NDF:12.5/10

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -886.384+/-581.435 χ^2/NDF:15.0/10

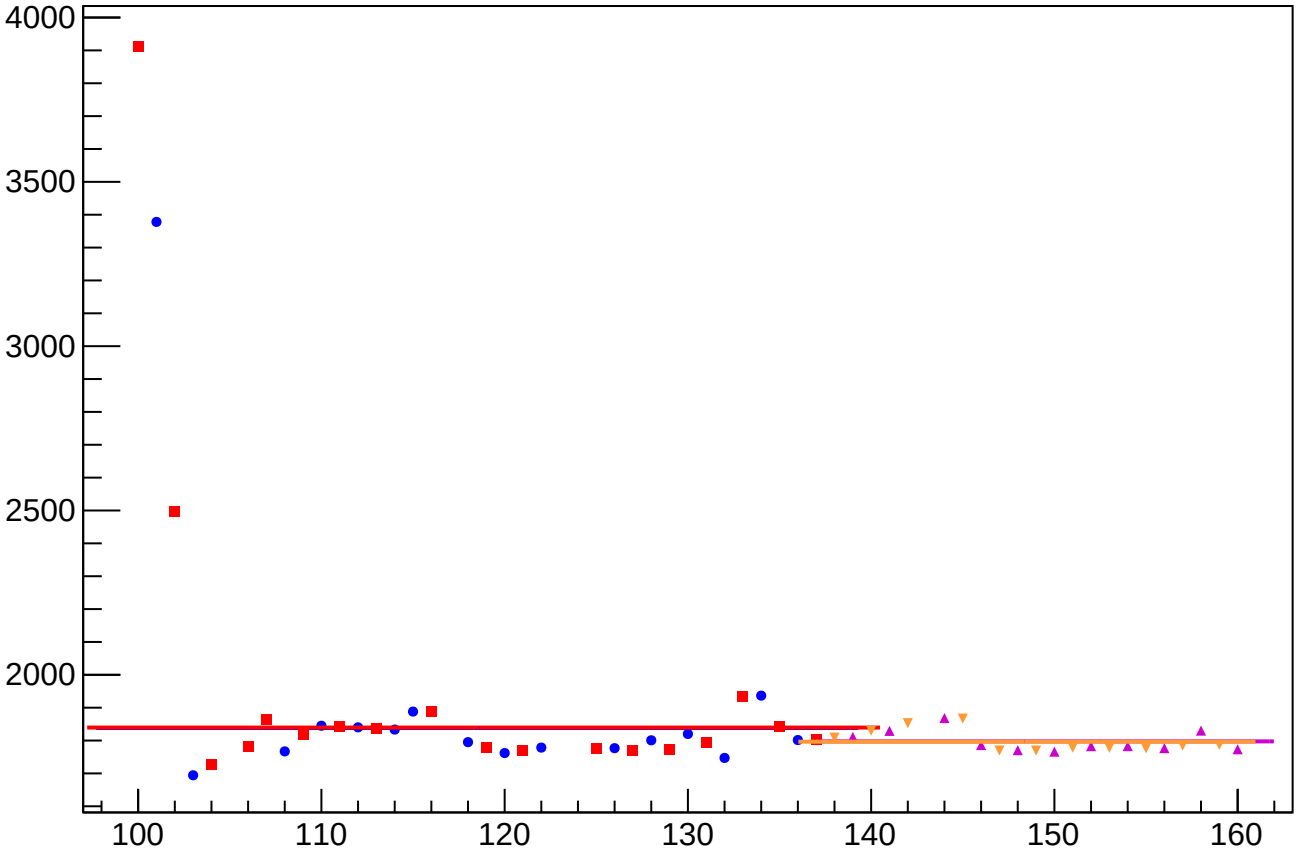
Left: -675.025+/-420.211 χ^2/NDF: 27.8/21

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1076.077+/-444.876 χ^2/NDF:24.9/26

Out: -483.314+/-456.447 χ^2/NDF:23.7/28

All: -787.304+/-318.587 χ^2/NDF: 49.4/55



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: 1797.461+/-0.411 χ^2/NDF:5579.4/10

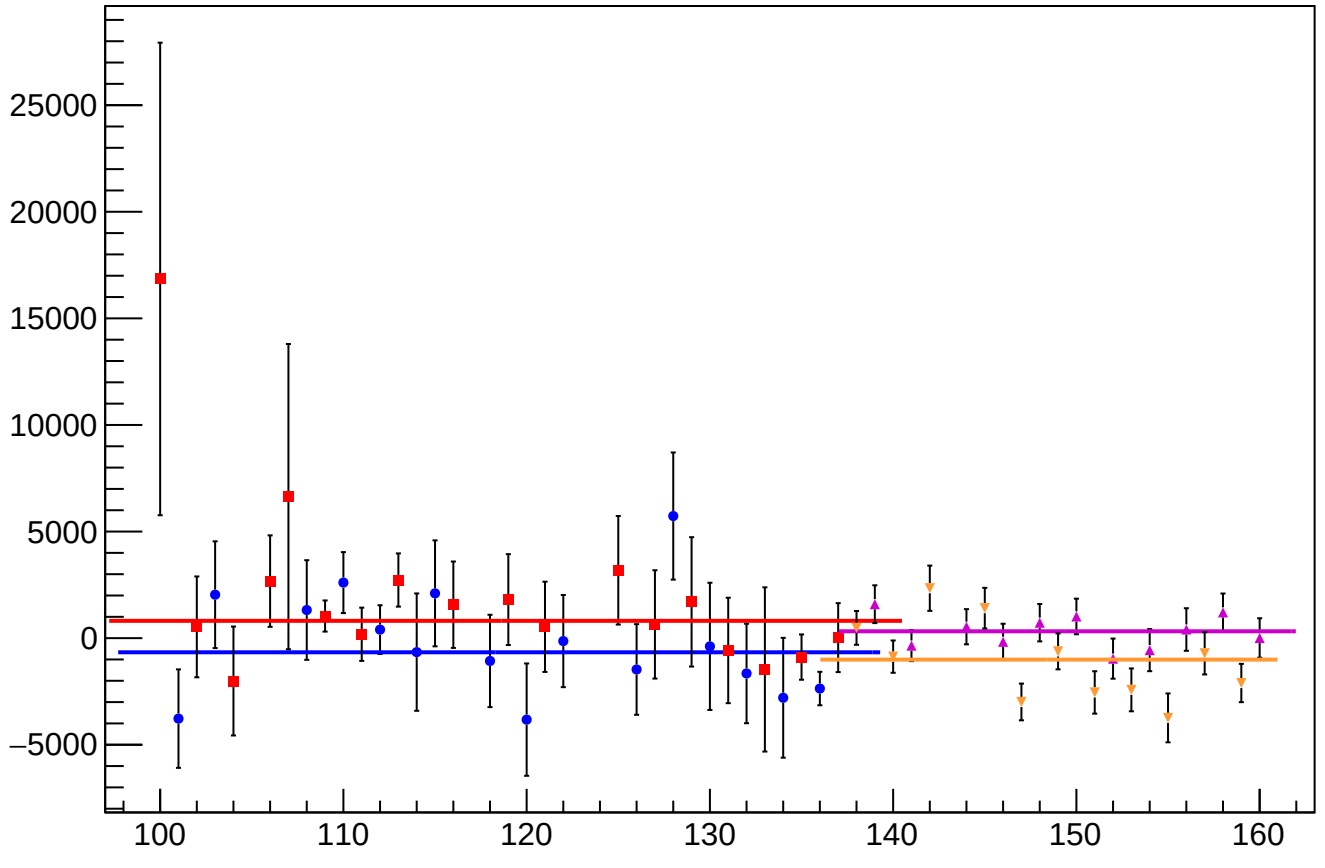
Left: 1796.987+/-0.297 χ^2/NDF: 10800.7/21

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1814.333+/-0.315 χ^2/NDF:301625.7/26

Out: 1815.254+/-0.323 χ^2/NDF:137847.6/28

All: 1814.782+/-0.225 χ^2/NDF: 439477.4/55



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1006.908+/-276.301 χ^2/NDF:37.1/10

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 321.479+/-263.922 χ^2/NDF:8.0/10

Left: -312.290+/-190.847 χ^2/NDF: 57.2/21

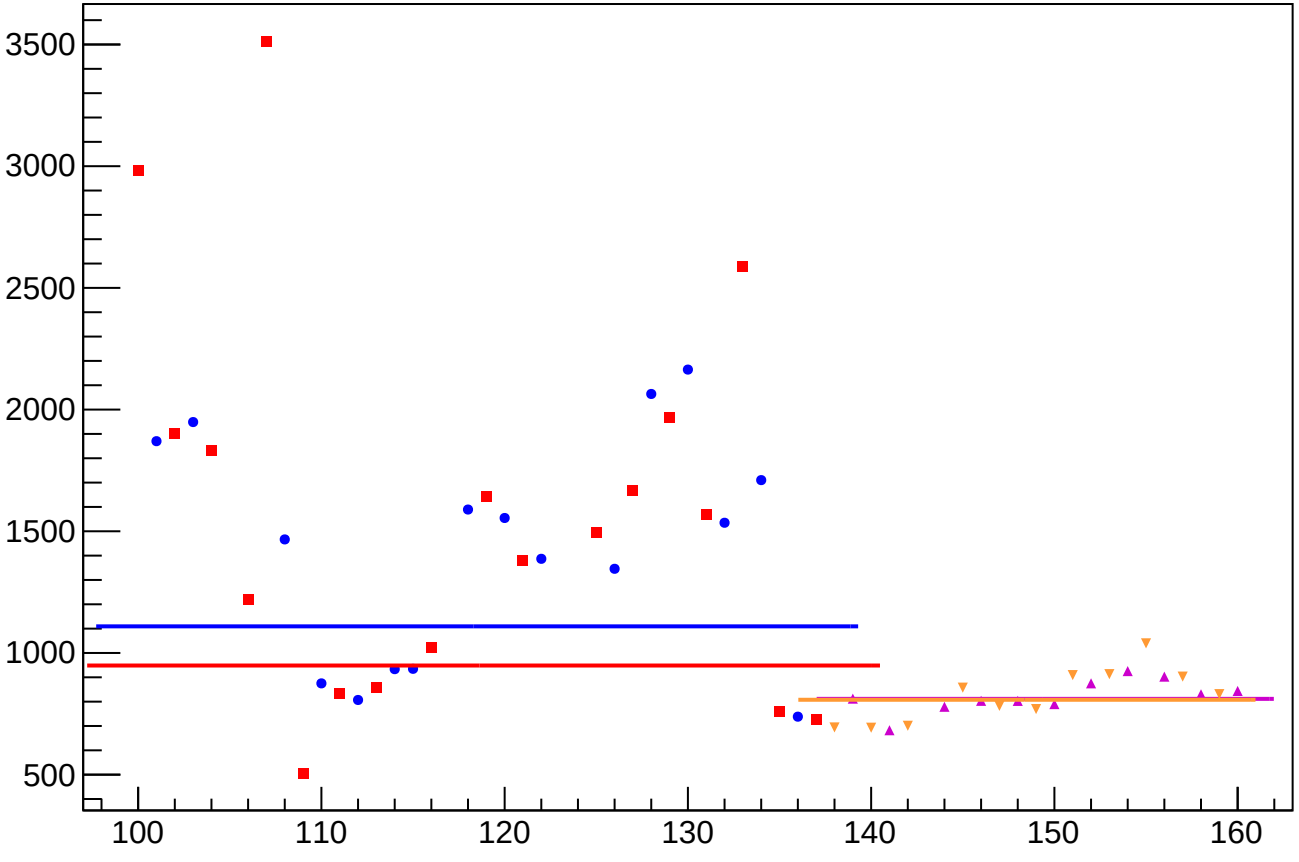
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 65.942+/-227.120 χ^2/NDF:34.4/26

Out: -413.683+/-226.818 χ^2/NDF:63.5/28

All: -174.190+/-160.491 χ^2/NDF: 100.1/55

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 807.708+/-0.195 χ^2/NDF:262758.9/10

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 811.441+/-0.187 χ^2/NDF:123387.6/10

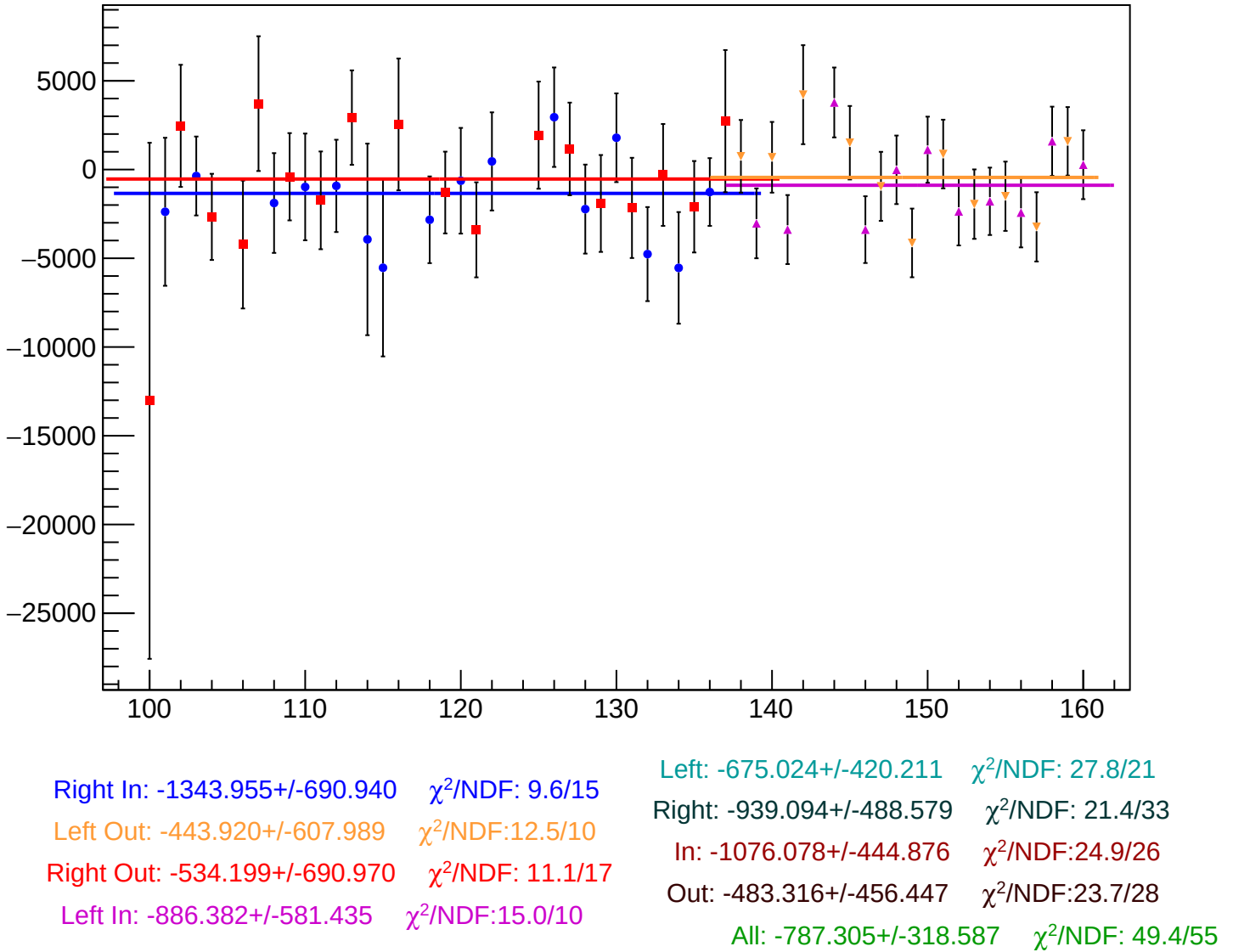
Left: 809.660+/-0.135 χ^2/NDF: 386337.5/21

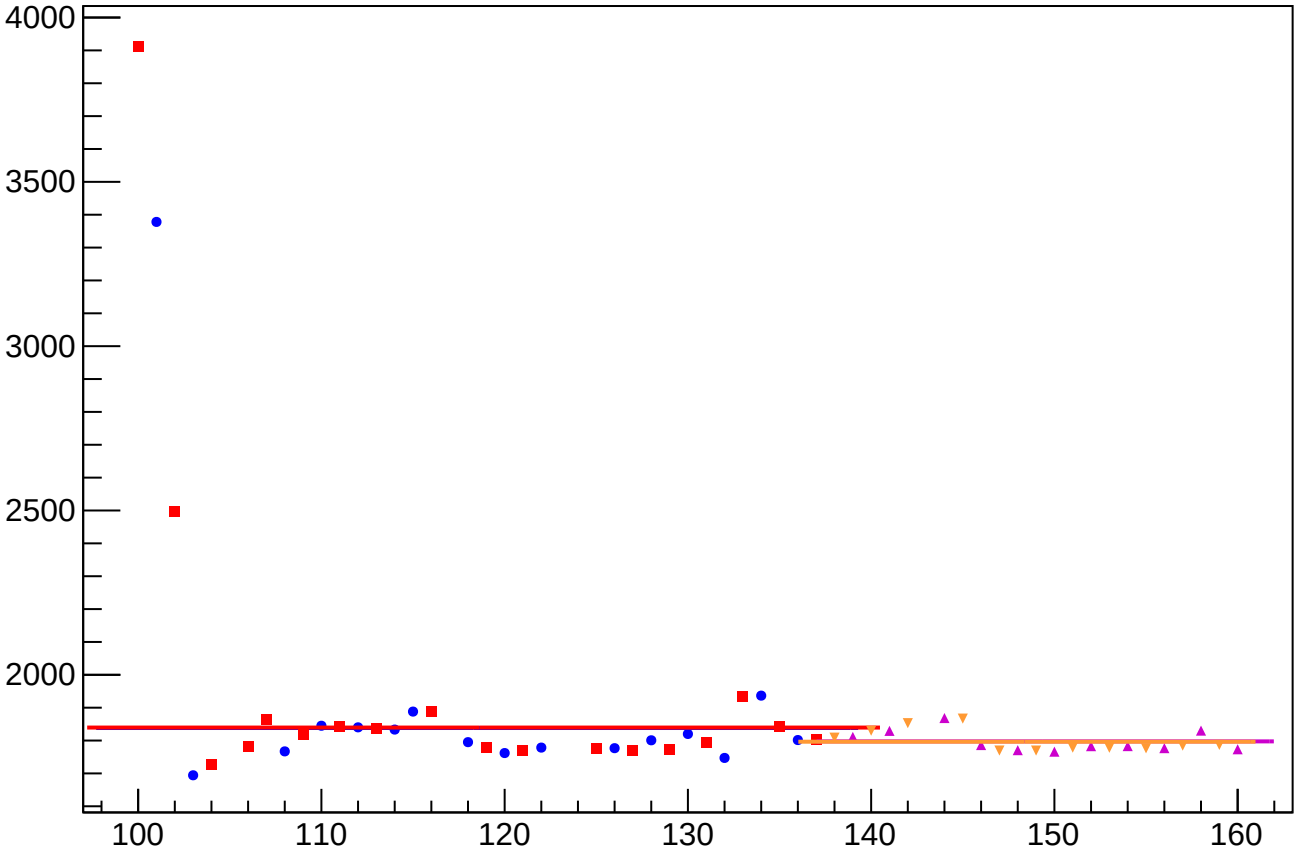
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 888.732+/-0.161 χ^2/NDF:2757919.9/26

Out: 853.601+/-0.160 χ^2/NDF:3485631.7/28

All: 871.143+/-0.113 χ^2/NDF: 6267509.9/55


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: -886.382+/-581.435 χ²/NDF:15.0/10
Left: -675.024+/-420.211 χ²/NDF: 27.8/21
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1076.078+/-444.876 χ²/NDF:24.9/26
Out: -483.316+/-456.447 χ²/NDF:23.7/28
All: -787.305+/-318.587 χ²/NDF: 49.4/55



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: 1797.461+/-0.411 χ^2/NDF:5579.4/10

Left: 1796.987+/-0.297 χ^2/NDF: 10800.7/21

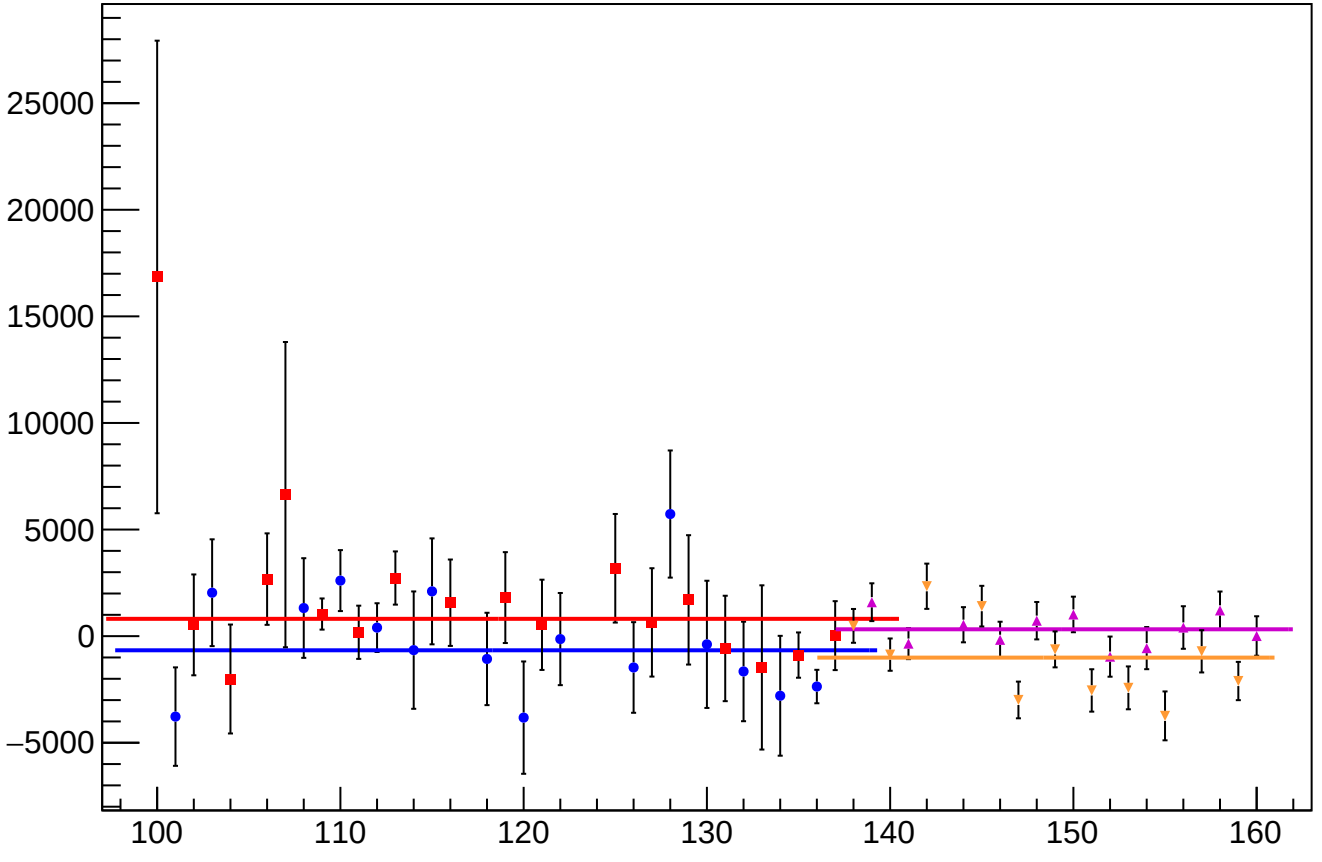
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1814.333+/-0.315 χ^2/NDF:301625.6/26

Out: 1815.254+/-0.323 χ^2/NDF:137847.6/28

All: 1814.782+/-0.225 χ^2/NDF: 439477.4/55

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: 321.476+/-263.922 χ^2/NDF:8.0/10

Left: -312.294+/-190.848 χ^2/NDF: 57.2/21

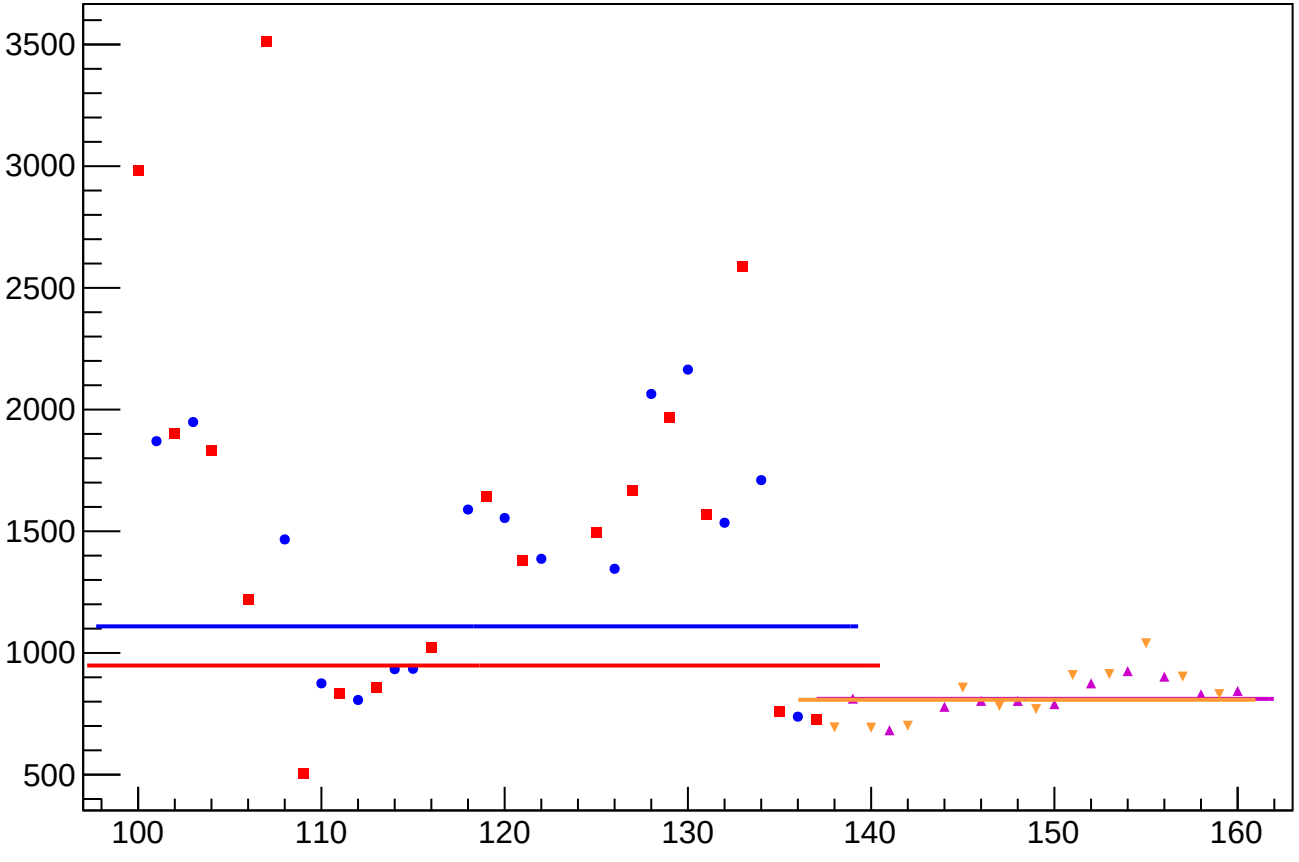
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 65.943+/-227.121 χ^2/NDF:34.4/26

Out: -413.684+/-226.818 χ^2/NDF:63.5/28

All: -174.190+/-160.492 χ^2/NDF: 100.1/55

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: 811.443+/-0.187 χ^2/NDF:123386.8/10

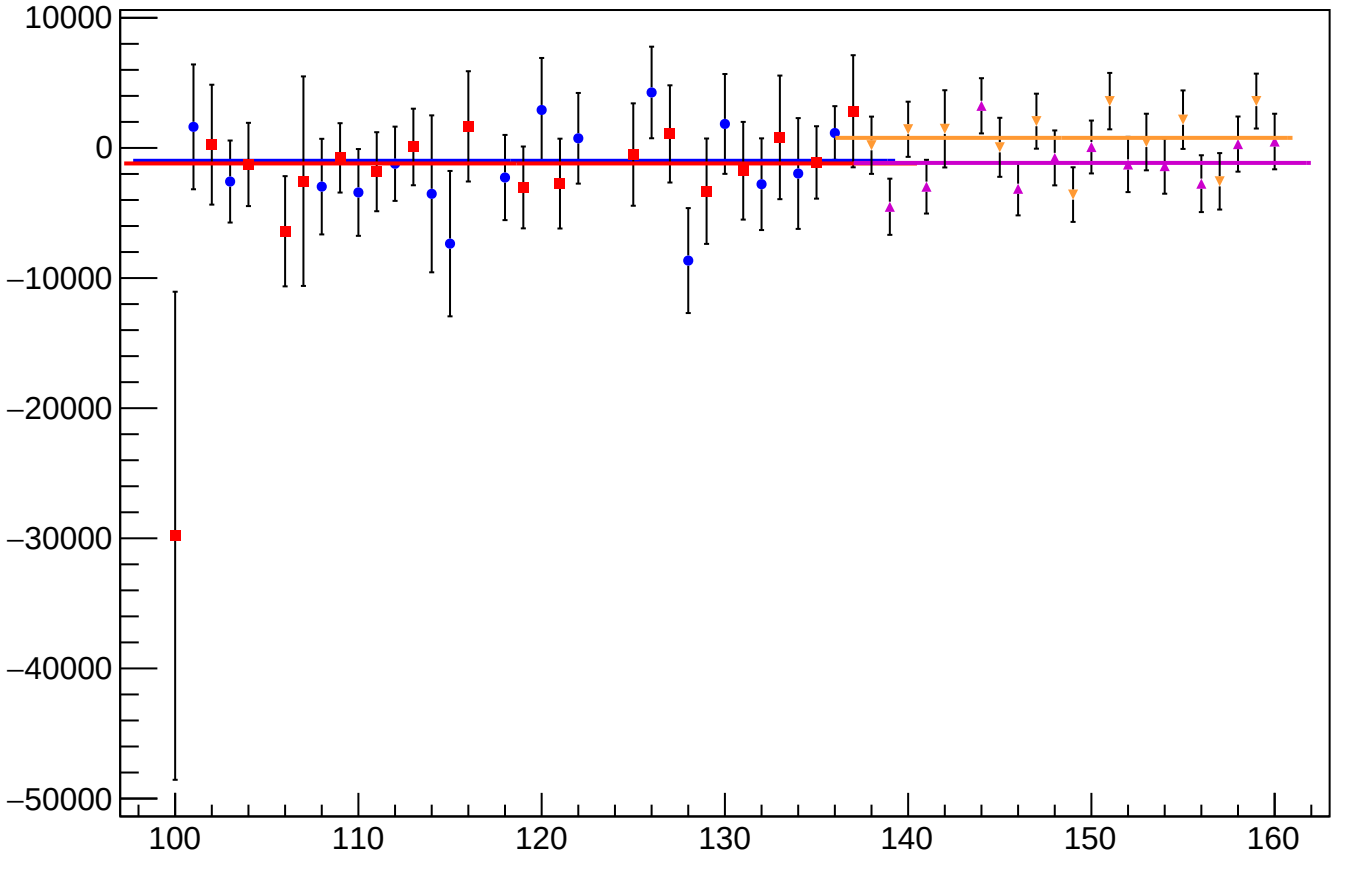
Left: 809.662+/-0.135 χ^2/NDF: 386319.7/21

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 888.735+/-0.161 χ^2/NDF:2757882.8/26

Out: 853.605+/-0.160 χ^2/NDF:3485585.4/28

All: 871.146+/-0.113 χ^2/NDF: 6267424.7/55



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: -1150.548+/-636.027 χ^2/NDF:10.4/10

Left: -233.990+/-460.330 χ^2/NDF: 26.1/21

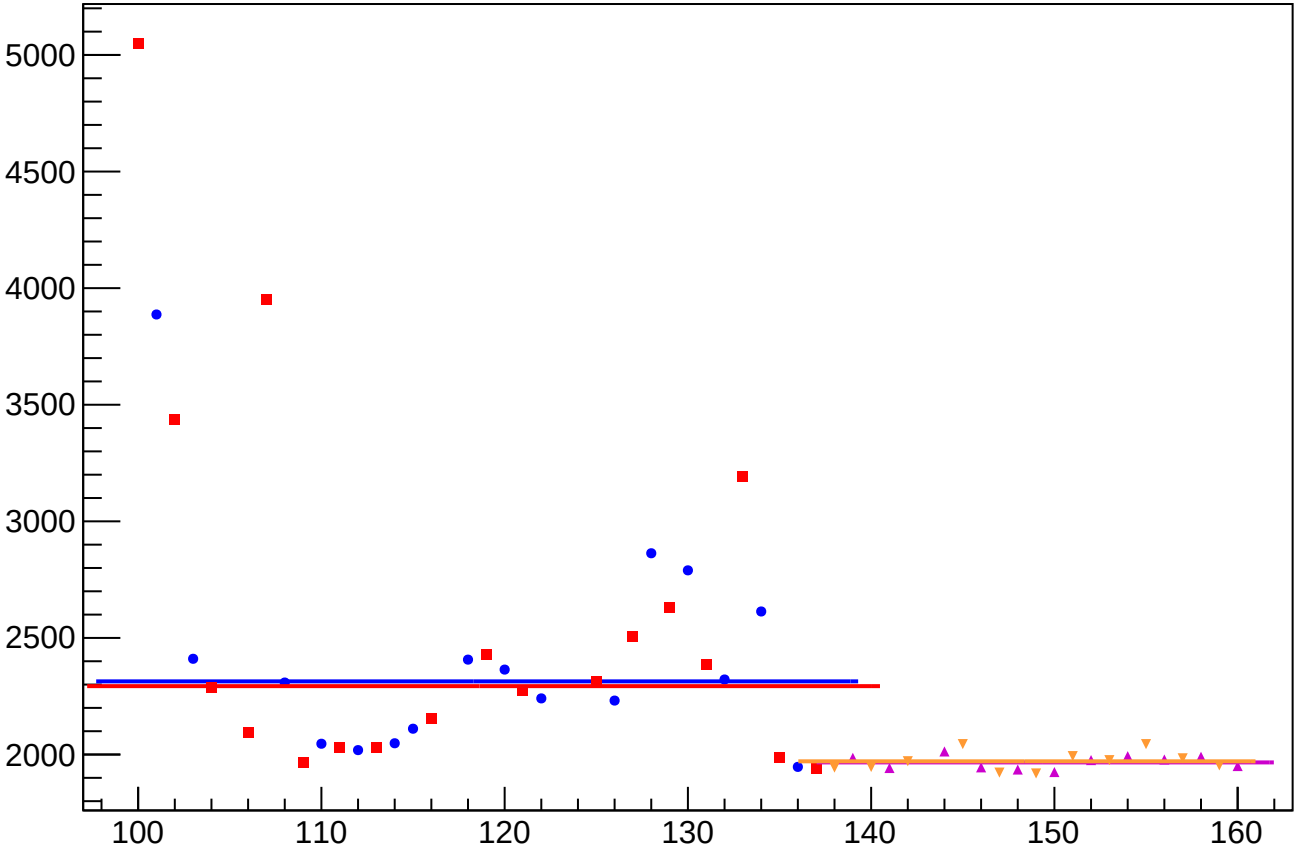
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1094.094+/-514.236 χ^2/NDF:22.4/26

Out: 46.656+/-529.479 χ^2/NDF:21.5/28

All: -540.376+/-368.891 χ^2/NDF: 46.3/55

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



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: 1966.179+/-0.450 χ^2/NDF:3670.4/10

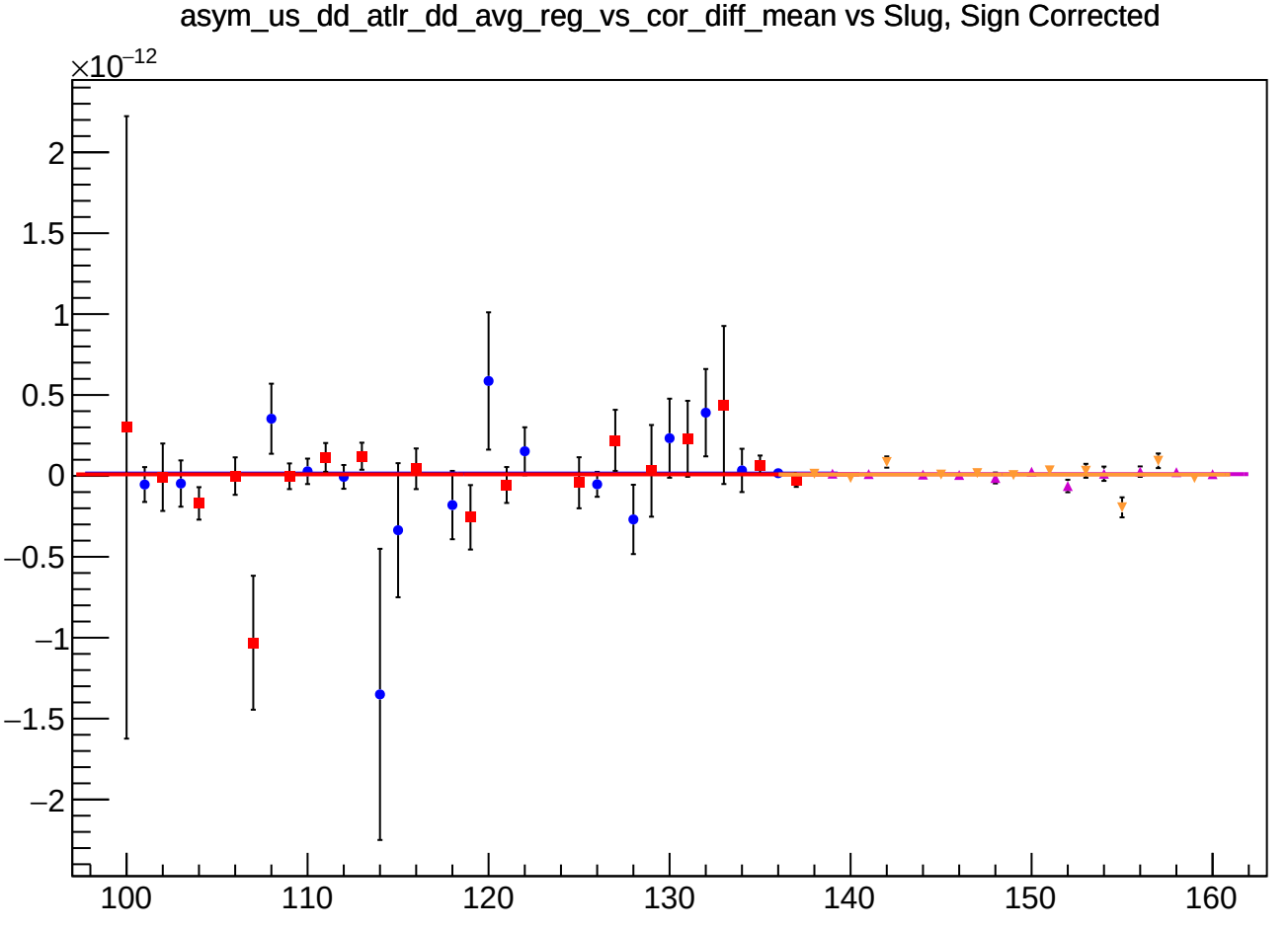
Left: 1968.408+/-0.326 χ^2/NDF: 11255.0/21

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2086.542+/-0.364 χ^2/NDF:613253.1/26

Out: 2090.161+/-0.374 χ^2/NDF:633604.5/28

All: 2088.299+/-0.261 χ^2/NDF: 1246905.6/55



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:5.2/10

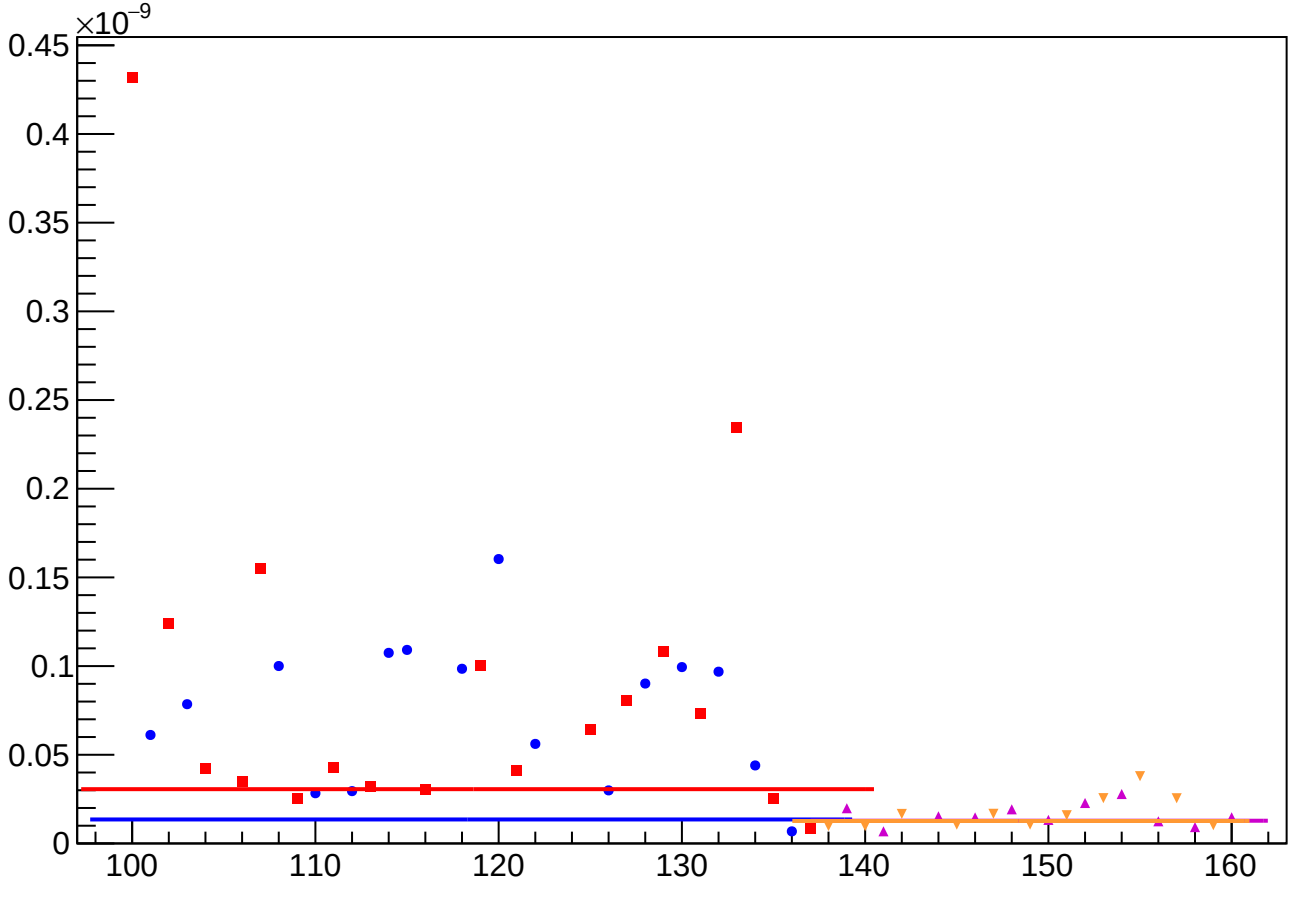
Left: 0.000+/-0.000 χ^2/NDF: 28.1/21

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:20.2/26

Out: 0.000+/-0.000 χ^2/NDF:42.4/28

All: 0.000+/-0.000 χ^2/NDF: 62.7/55



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:1008023.4/10

Left: 0.000+/-0.000 χ^2/NDF: 1928514.8/21

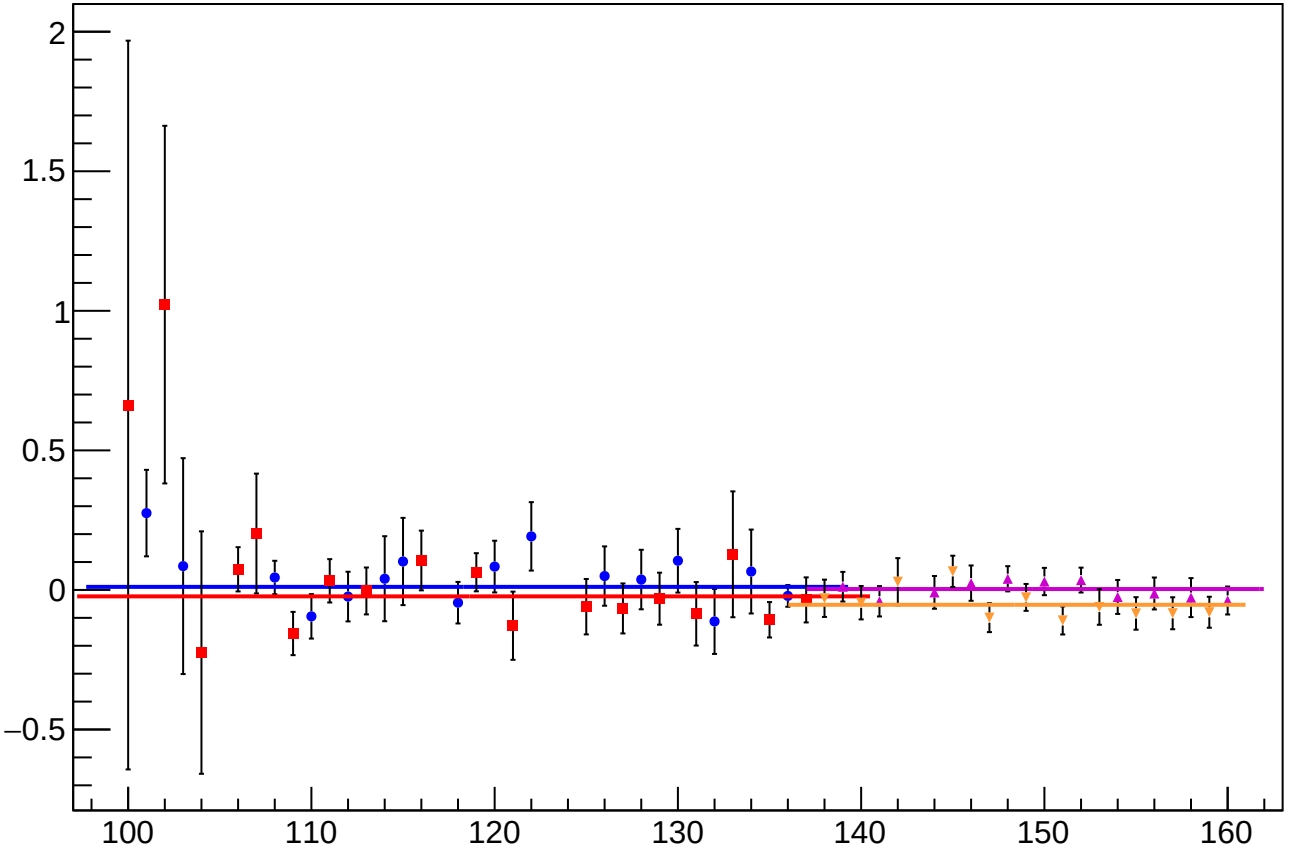
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4428173.3/26

Out: 0.000+/-0.000 χ^2/NDF:4274497.0/28

All: 0.000+/-0.000 χ^2/NDF: 8741374.7/55

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: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.023+/-0.012 χ^2/NDF: 18.0/21

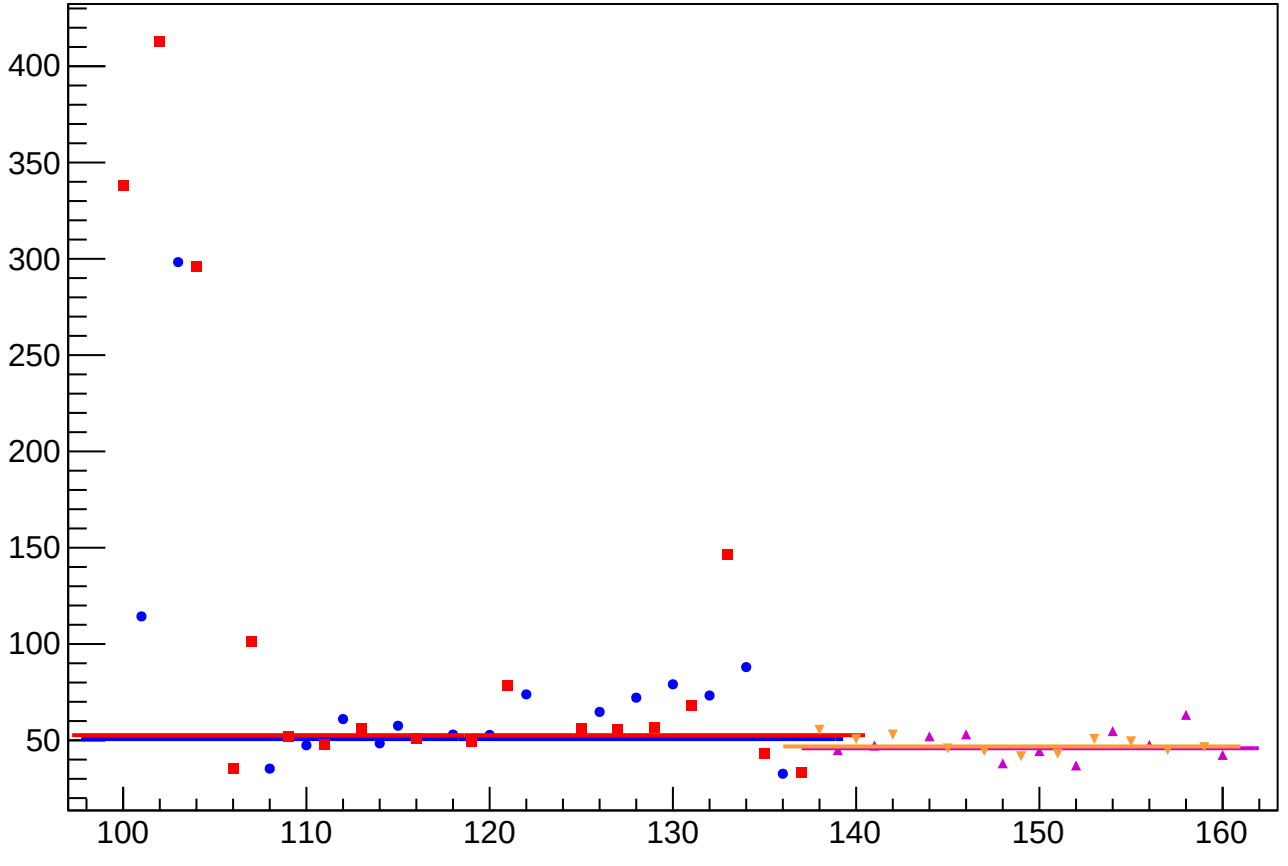
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.017+/-0.009 χ^2/NDF: 47.6/55

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: 45.877+/-0.011 χ^2/NDF:369512.0/10

Left: 46.314+/-0.008 χ^2/NDF: 476266.2/21

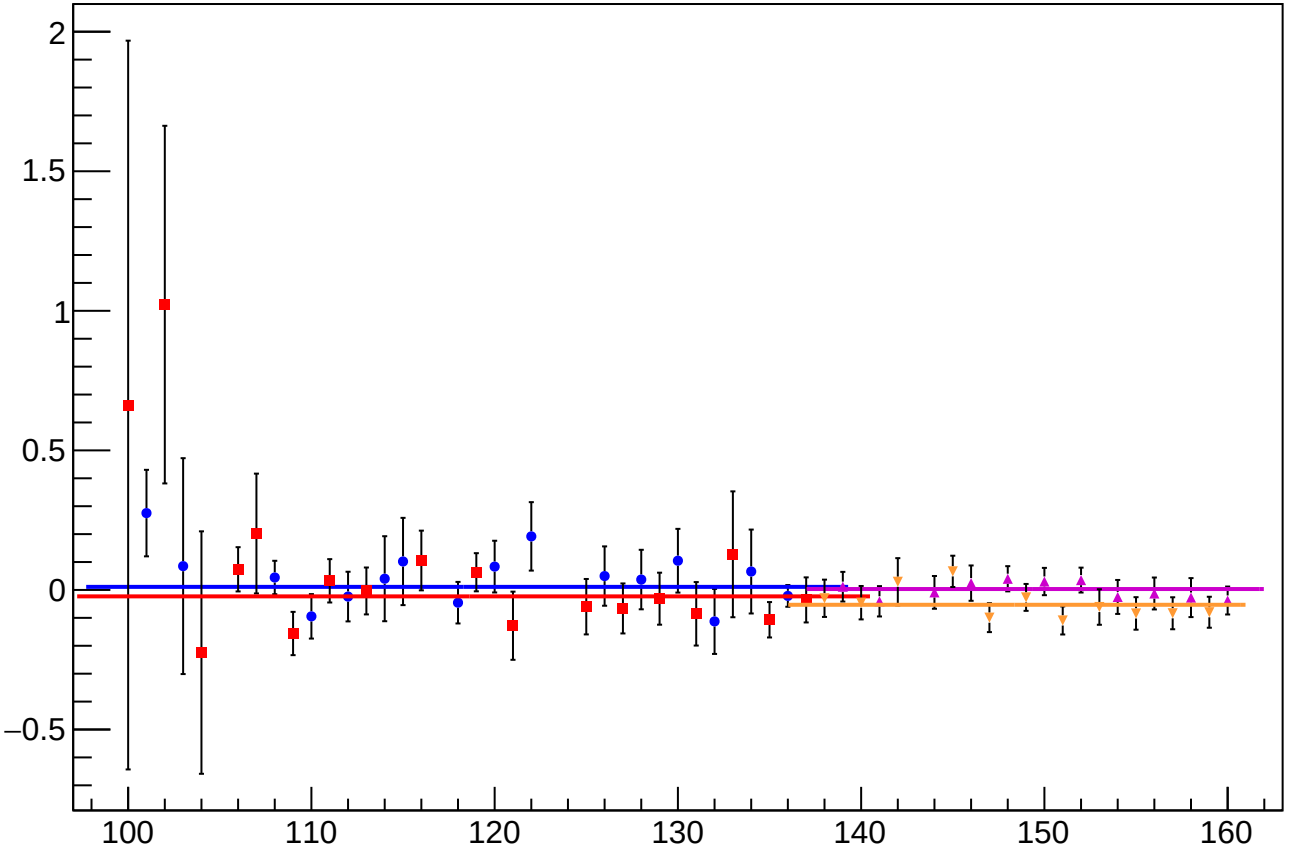
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.562+/-0.009 χ^2/NDF:2697430.1/26

Out: 48.921+/-0.010 χ^2/NDF:2397591.6/28

All: 48.198+/-0.007 χ^2/NDF: 5105248.4/55

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: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.023+/-0.012 χ^2/NDF: 18.0/21

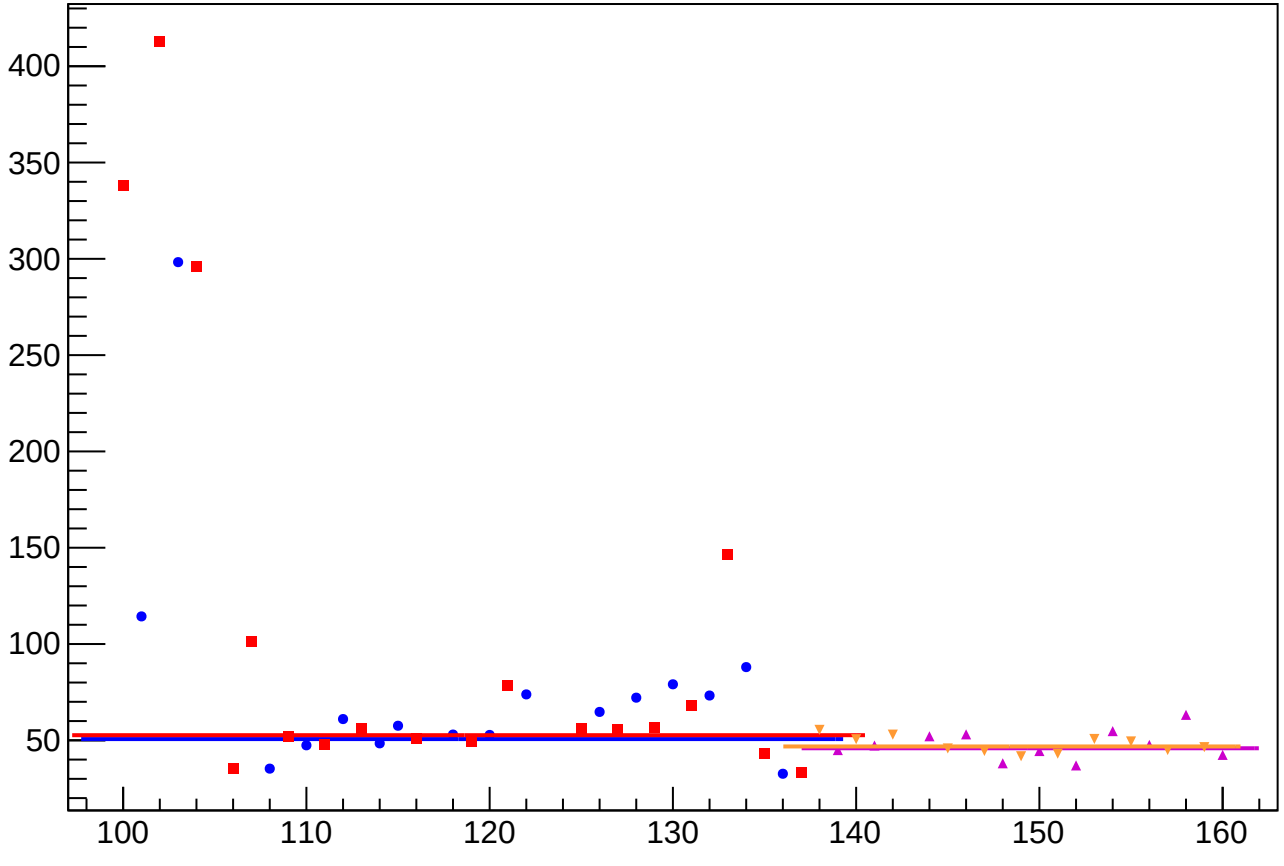
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.017+/-0.009 χ^2/NDF: 47.6/55

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: 45.877+/-0.011 χ^2/NDF:369512.0/10

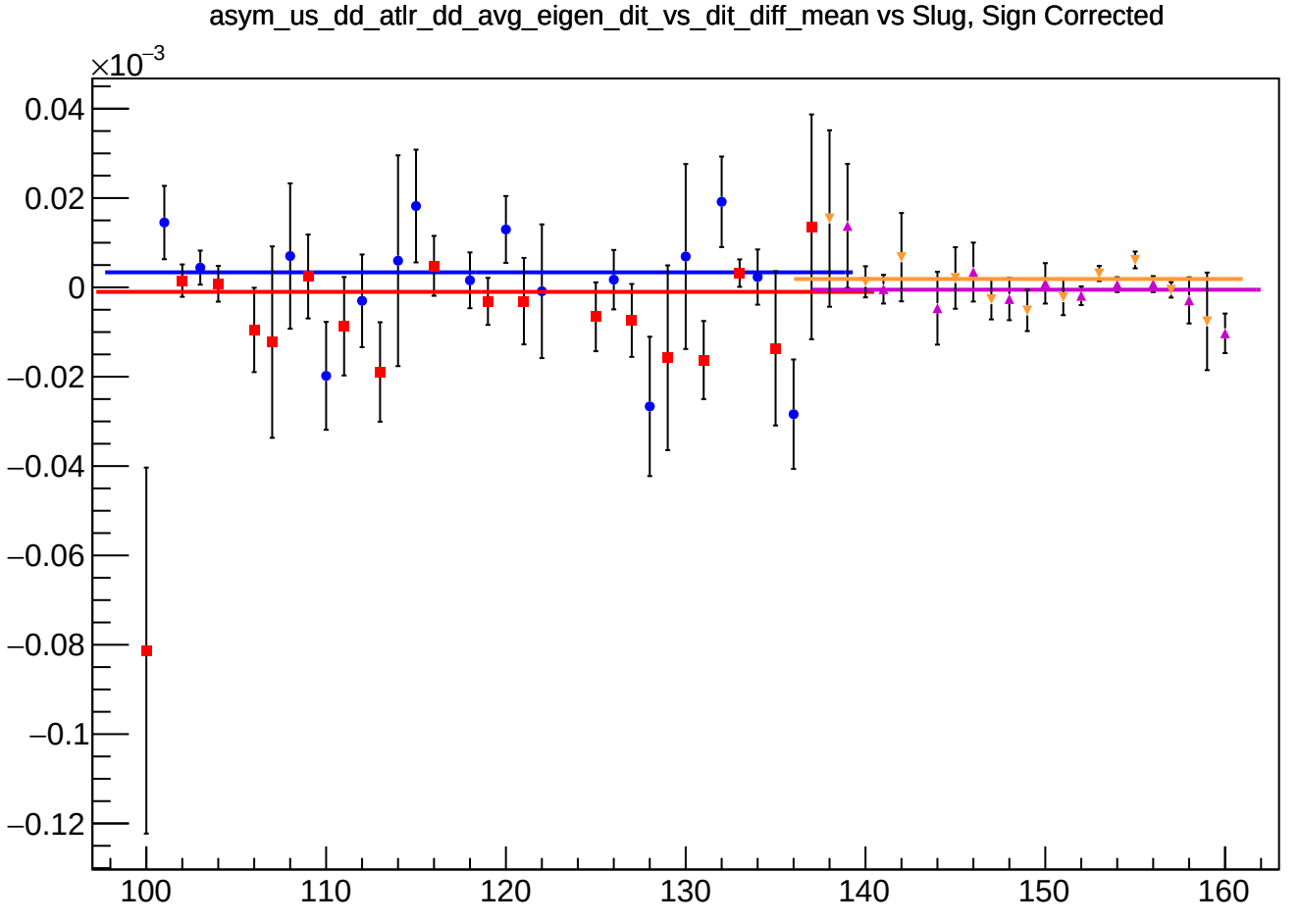
Left: 46.314+/-0.008 χ^2/NDF: 476266.2/21

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.562+/-0.009 χ^2/NDF:2697430.1/26

Out: 48.921+/-0.010 χ^2/NDF:2397591.6/28

All: 48.198+/-0.007 χ^2/NDF: 5105248.4/55



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:8.4/10

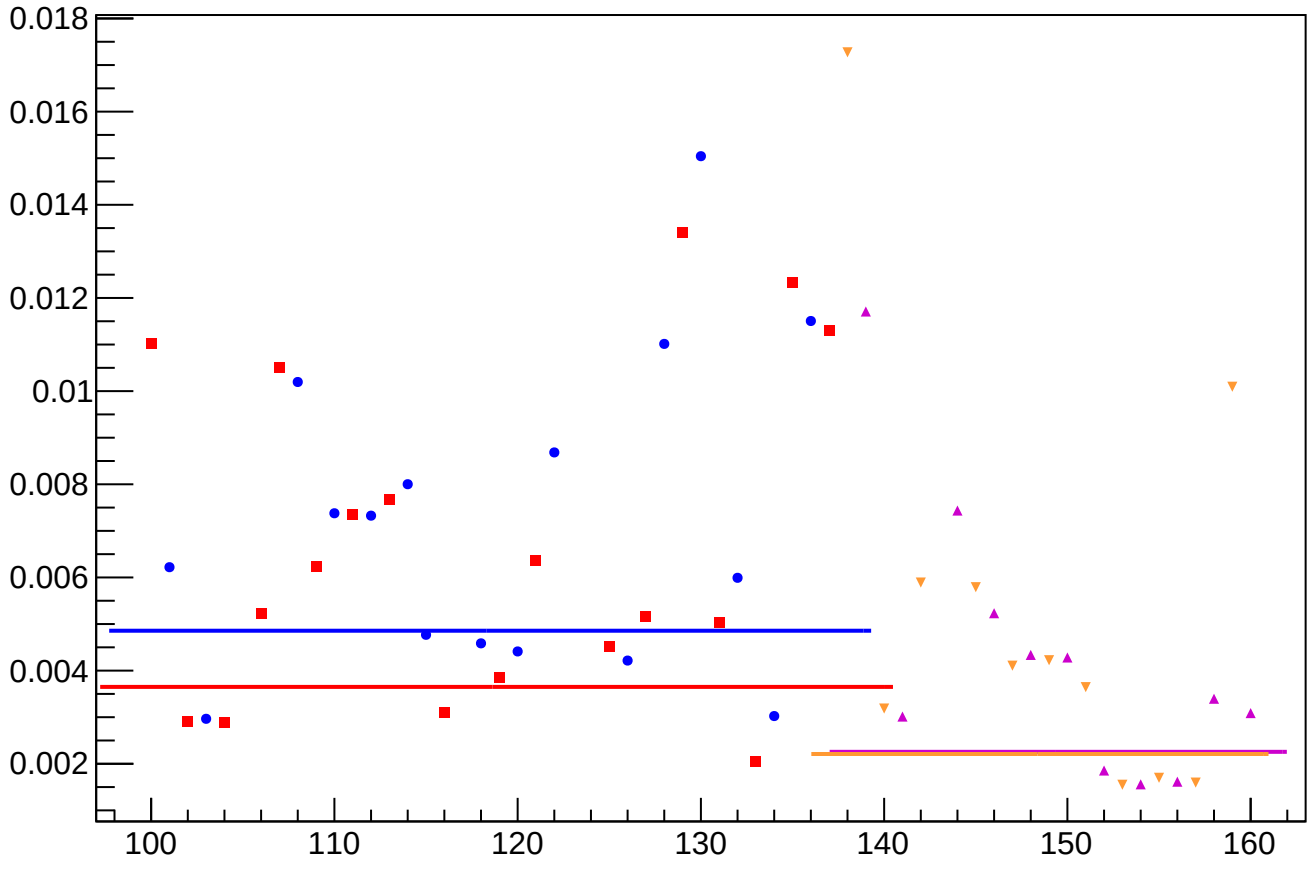
Left: 0.000+/-0.000 χ^2/NDF: 25.5/21

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:33.6/26

Out: 0.000+/-0.000 χ^2/NDF:33.3/28

All: 0.000+/-0.000 χ^2/NDF: 67.7/55



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:3891898.6/10

Left: 0.002+/-0.000 χ^2/NDF: 8755507.9/21

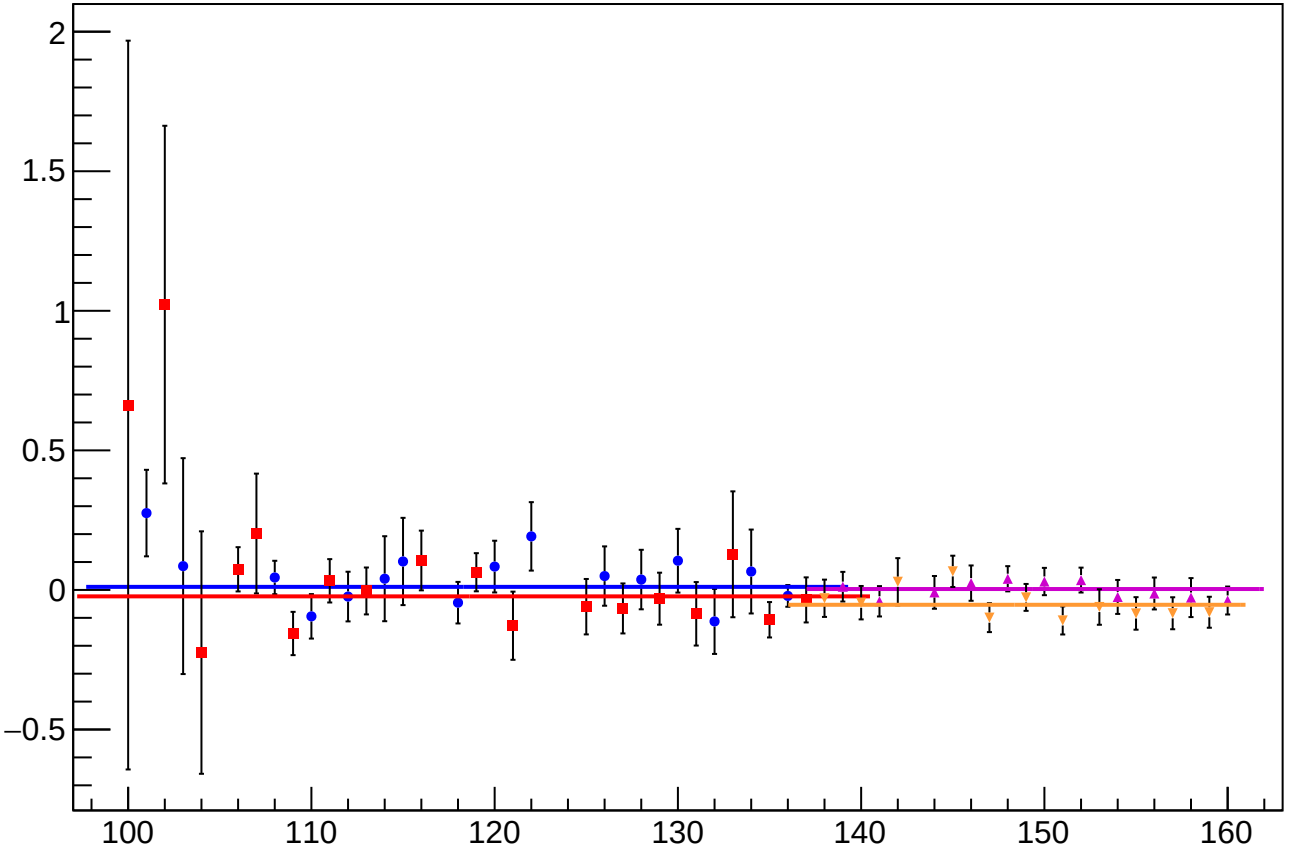
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:9266321.3/26

Out: 0.003+/-0.000 χ^2/NDF:9241864.9/28

All: 0.003+/-0.000 χ^2/NDF: 18524380.3/55

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: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.023+/-0.012 χ^2/NDF: 18.0/21

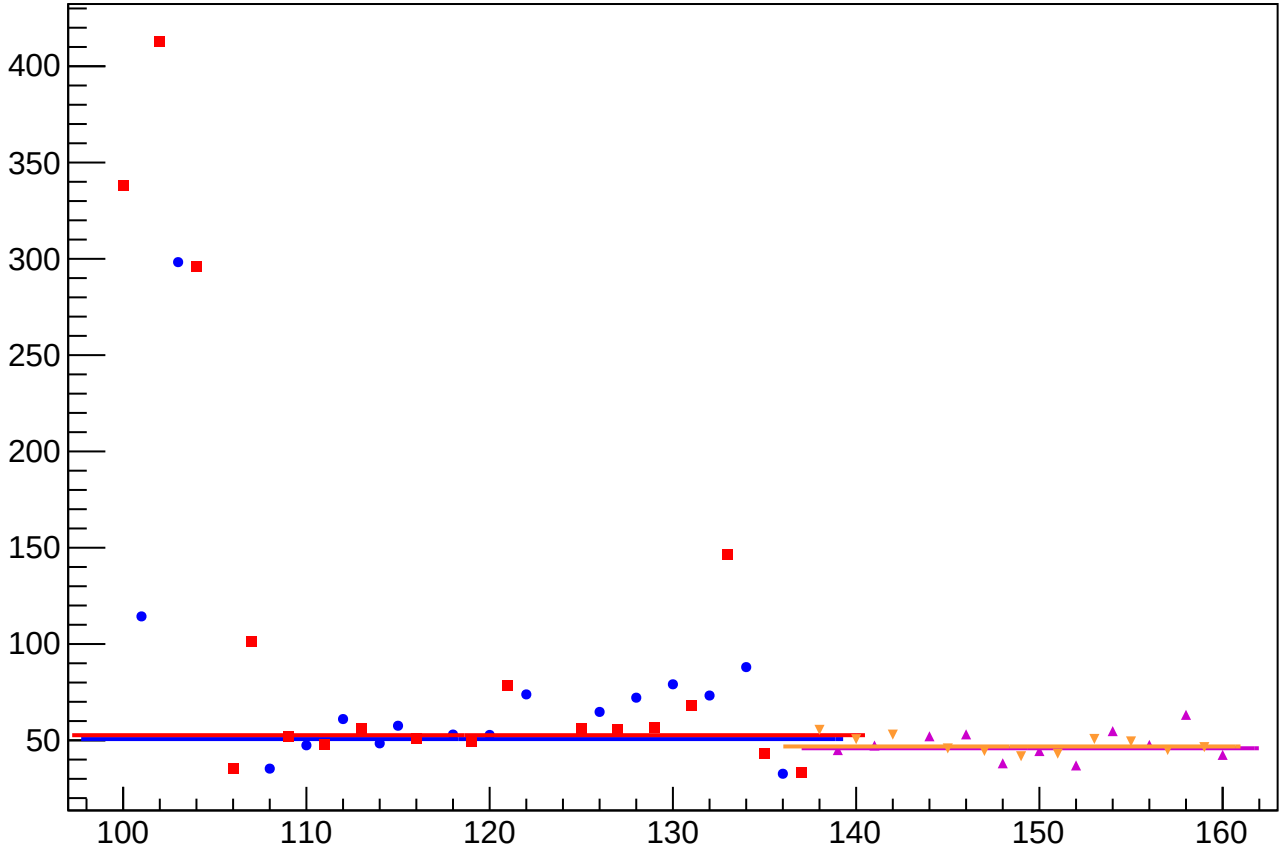
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.017+/-0.009 χ^2/NDF: 47.6/55

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: 45.877+/-0.011 χ^2/NDF:369495.7/10

Left: 46.314+/-0.008 χ^2/NDF: 476263.3/21

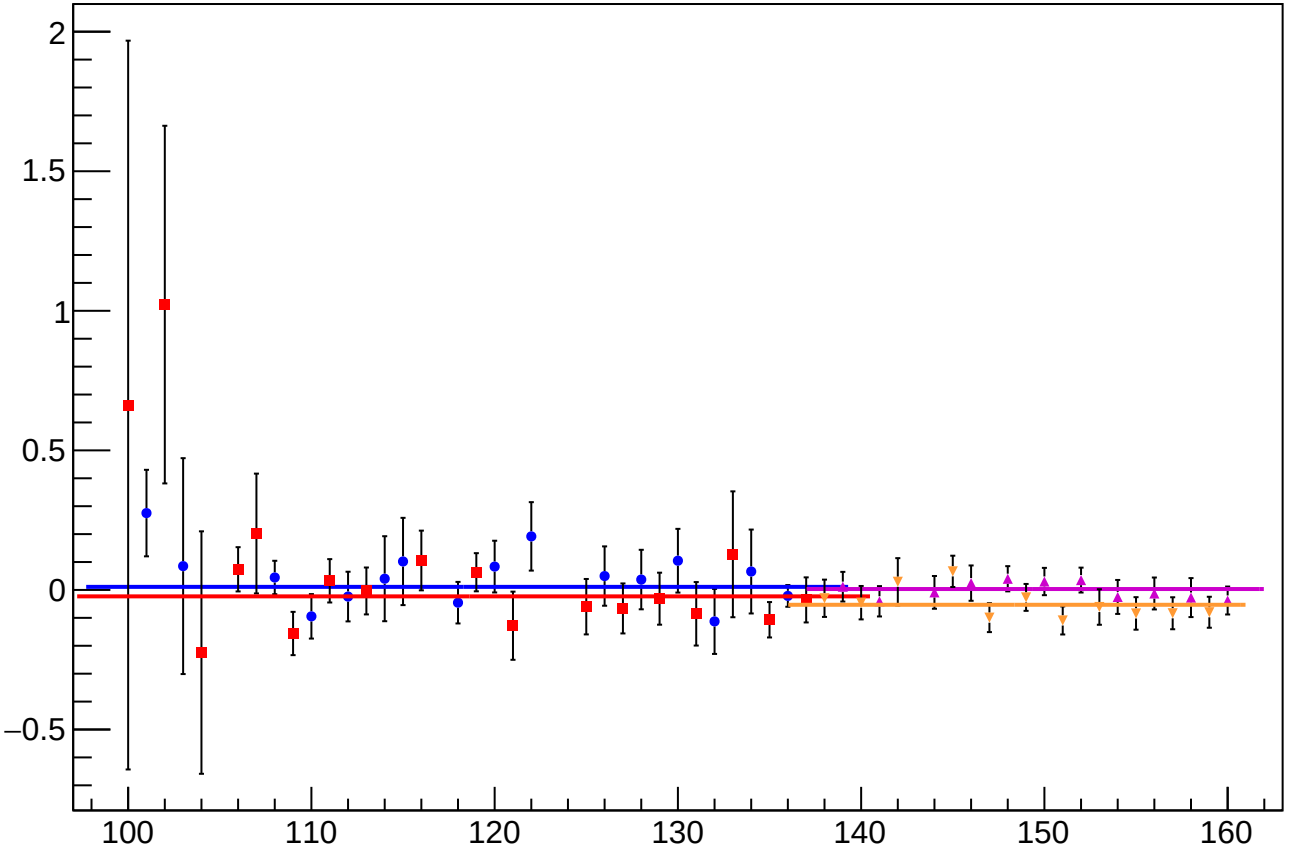
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.562+/-0.009 χ^2/NDF:2697308.5/26

Out: 48.921+/-0.010 χ^2/NDF:2397509.3/28

All: 48.198+/-0.007 χ^2/NDF: 5105040.2/55

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: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.023+/-0.012 χ^2/NDF: 18.0/21

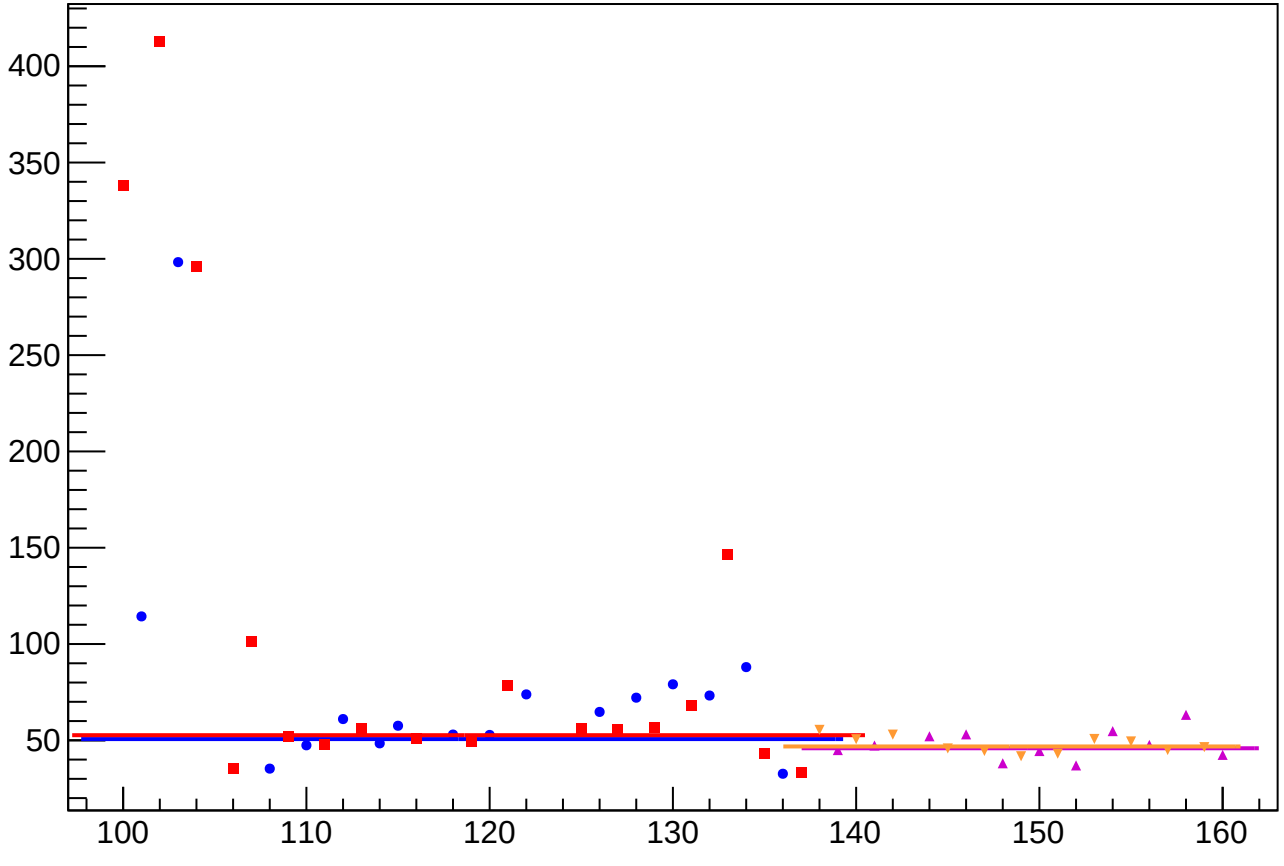
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.042+/-0.014 χ^2/NDF:25.8/28

All: -0.017+/-0.009 χ^2/NDF: 47.6/55

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: 45.877+/-0.011 χ^2/NDF:369495.7/10

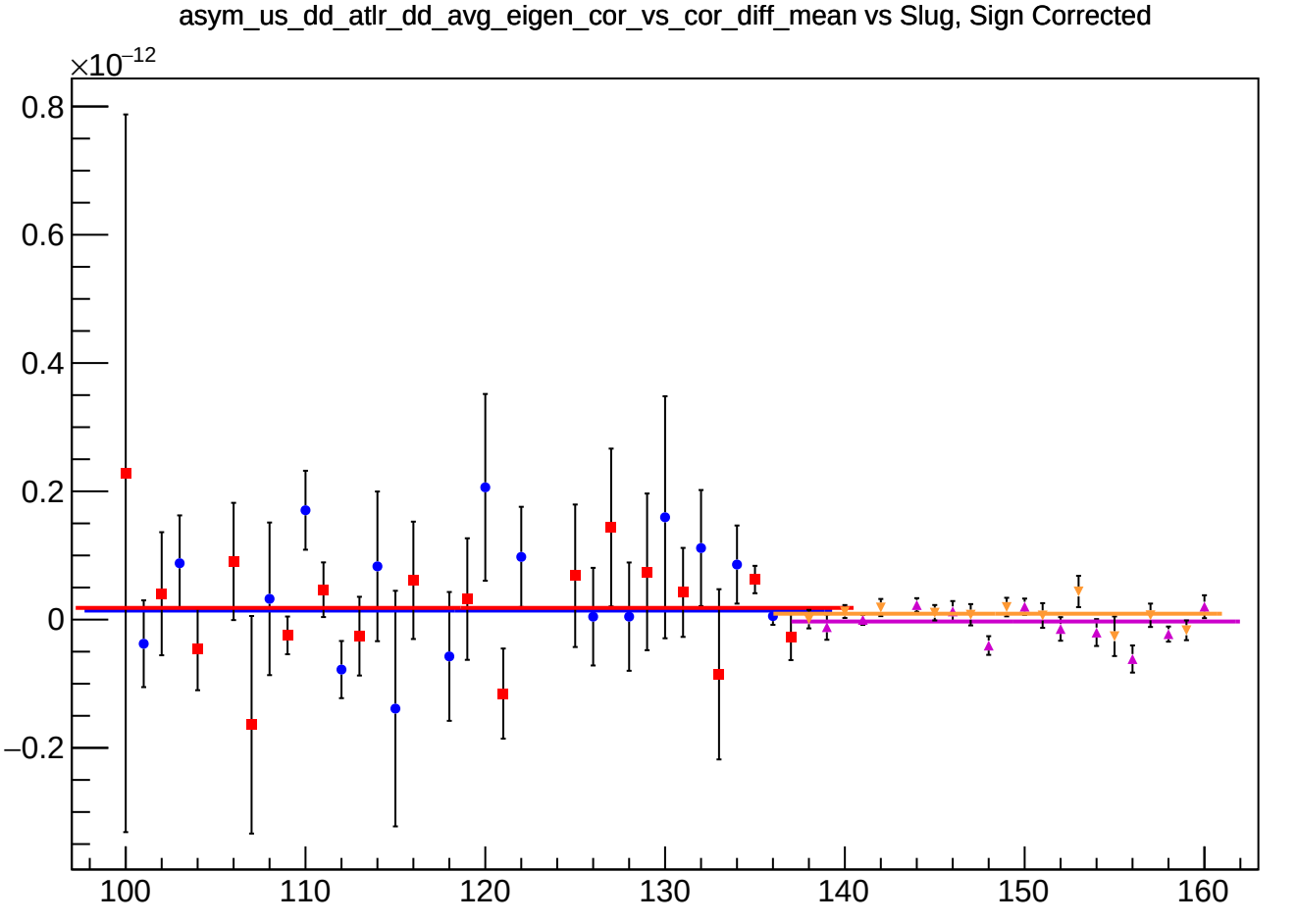
Left: 46.314+/-0.008 χ^2/NDF: 476263.3/21

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.562+/-0.009 χ^2/NDF:2697308.5/26

Out: 48.921+/-0.010 χ^2/NDF:2397509.3/28

All: 48.198+/-0.007 χ^2/NDF: 5105040.2/55



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:30.2/10

Left: 0.000+/-0.000 χ^2/NDF: 41.8/21

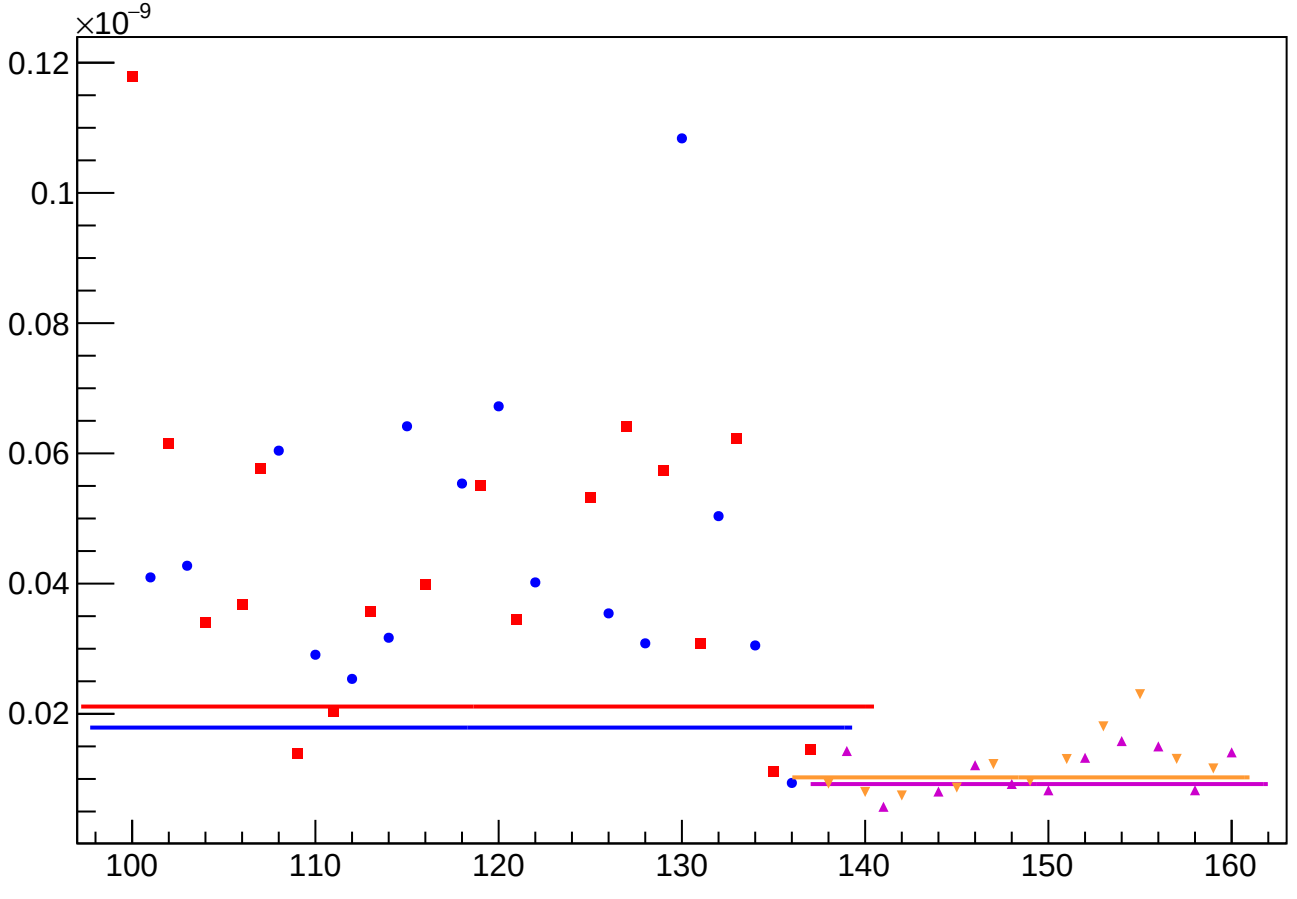
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:52.5/26

Out: 0.000+/-0.000 χ^2/NDF:26.2/28

All: 0.000+/-0.000 χ^2/NDF: 82.5/55

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:916137.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1233615.5/10

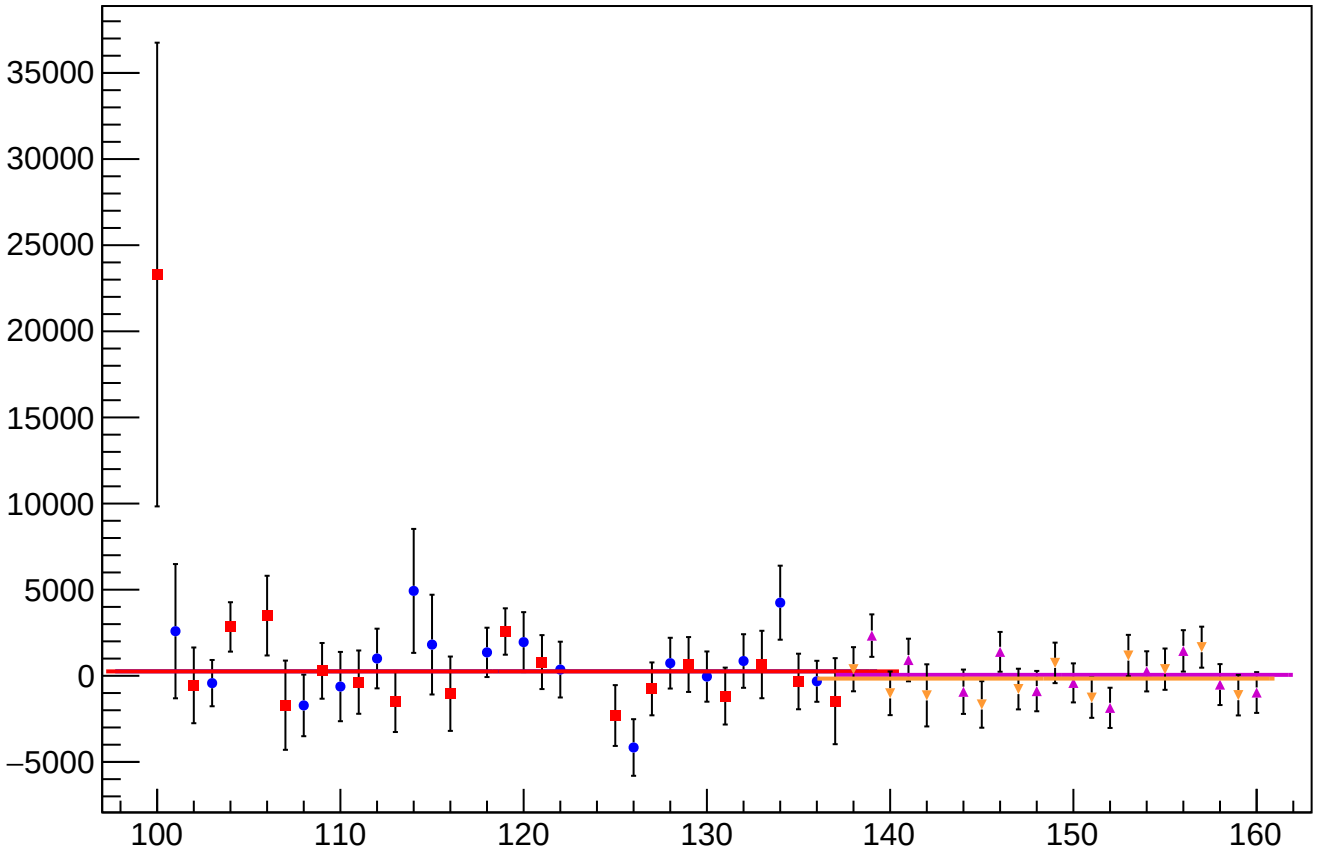
Left: 0.000+/-0.000 χ^2/NDF: 2206410.9/21

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5671777.2/26

Out: 0.000+/-0.000 χ^2/NDF:4868207.8/28

All: 0.000+/-0.000 χ^2/NDF: 10642626.6/55



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: 54.389+/-359.117 χ^2/NDF:11.7/10

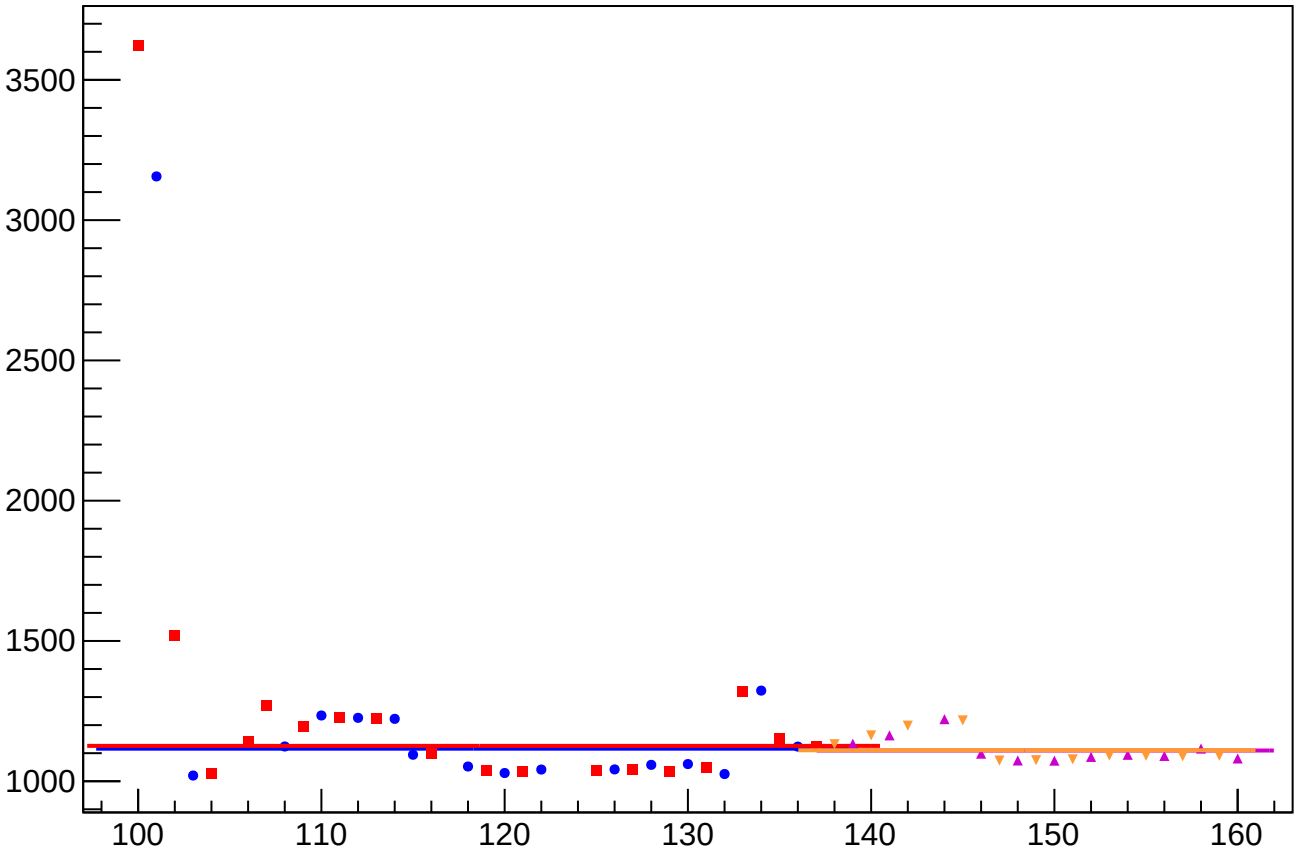
Left: -48.839+/-259.722 χ^2/NDF: 20.2/21

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 140.453+/-274.211 χ^2/NDF:28.7/26

Out: 21.132+/-281.869 χ^2/NDF:26.3/28

All: 82.435+/-196.548 χ^2/NDF: 55.1/55



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: 1109.510+/-0.254 χ^2/NDF:26554.1/10

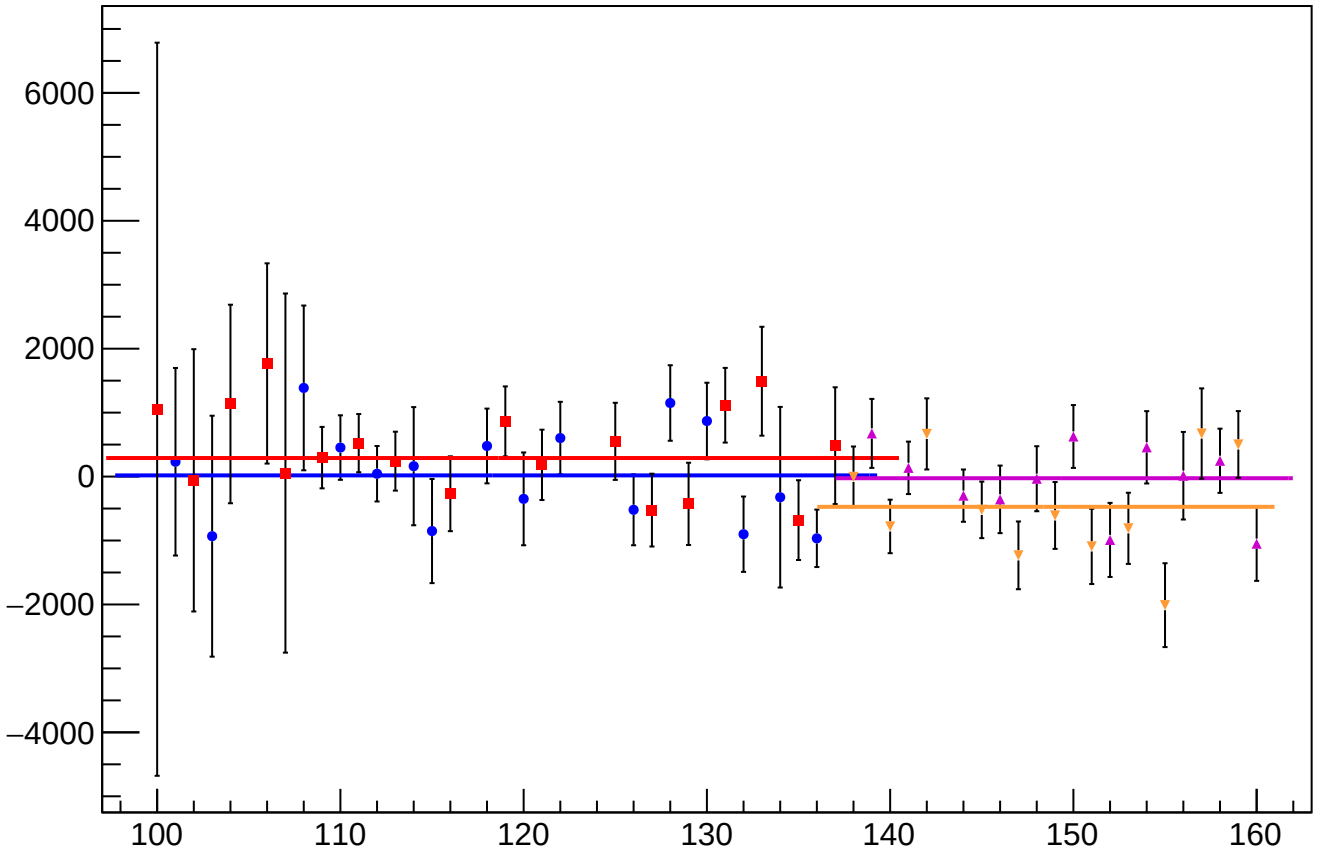
Left: 1109.929+/-0.184 χ^2/NDF: 55222.8/21

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1112.253+/-0.194 χ^2/NDF:650224.9/26

Out: 1117.238+/-0.199 χ^2/NDF:252282.1/28

All: 1114.677+/-0.139 χ^2/NDF: 902828.3/55



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: -25.774+/-154.087 χ^2/NDF:11.3/10

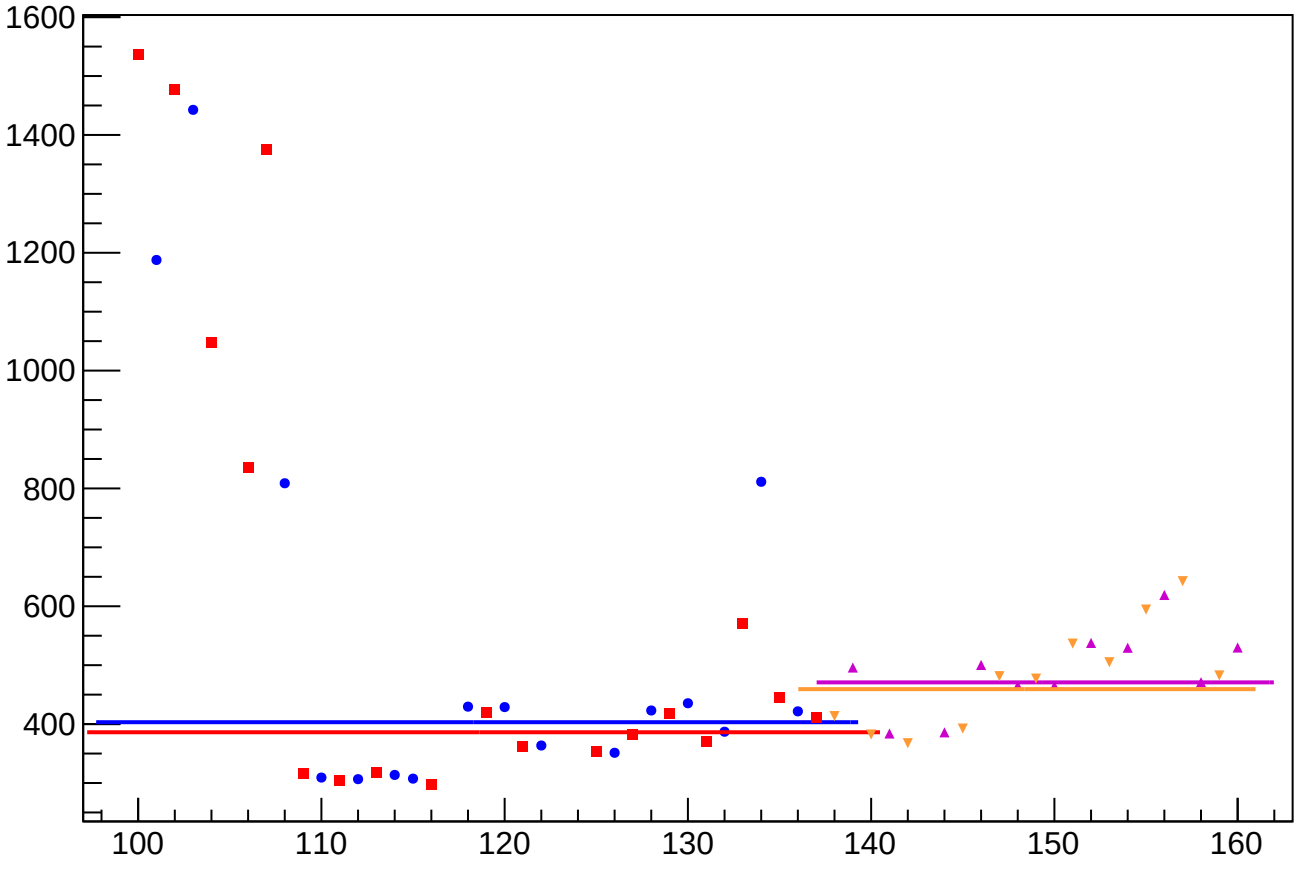
Left: -243.264+/-110.458 χ^2/NDF: 36.4/21

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -4.656+/-111.398 χ^2/NDF:30.6/26

Out: -86.189+/-111.225 χ^2/NDF:46.2/28

All: -45.486+/-78.709 χ^2/NDF: 77.0/55



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: 470.802+/-0.109 χ^2/NDF:349665.3/10

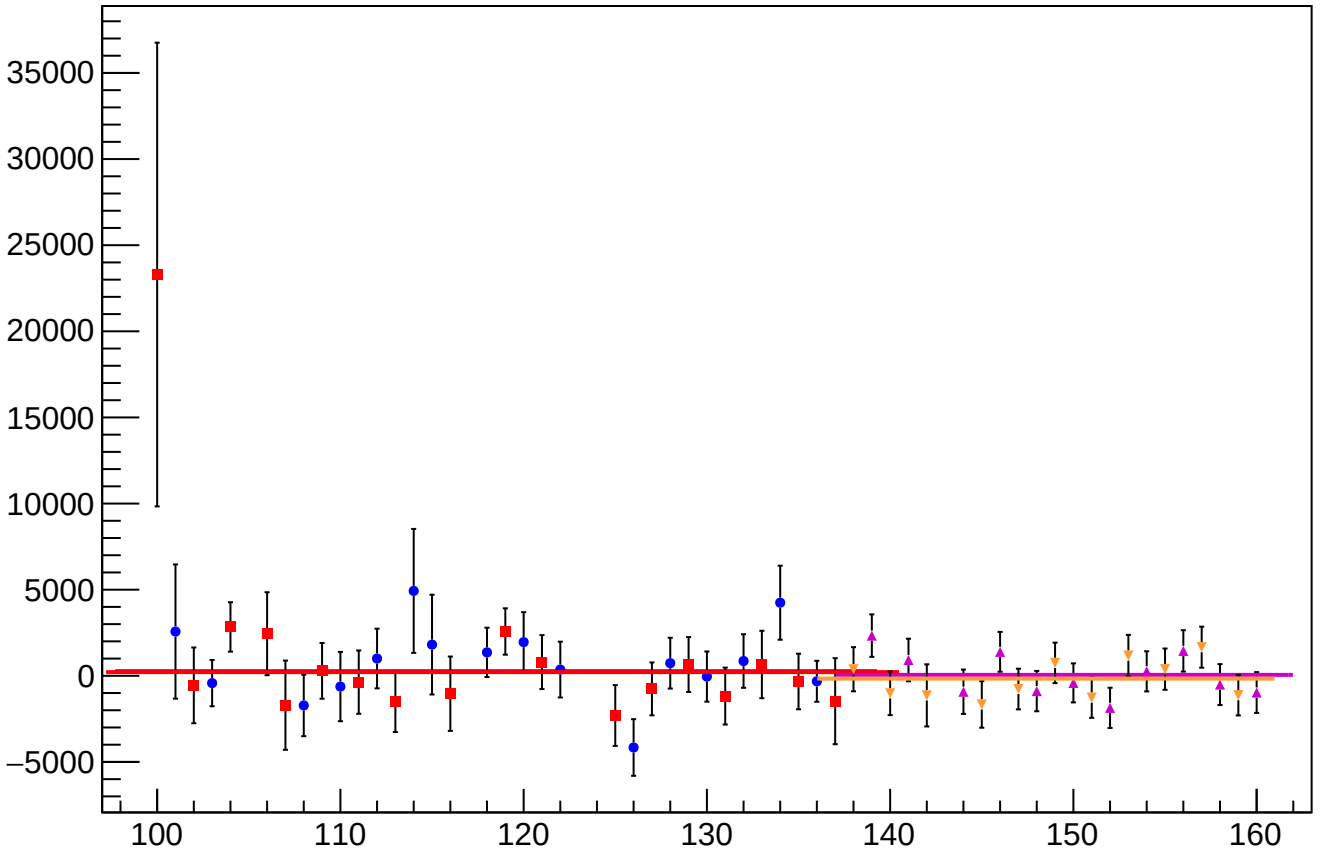
Left: 465.216+/-0.078 χ^2/NDF: 818946.6/21

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 438.530+/-0.079 χ^2/NDF:2341884.1/26

Out: 422.209+/-0.079 χ^2/NDF:2439309.9/28

All: 430.357+/-0.056 χ^2/NDF: 4802693.4/55



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: 54.390+/-359.117 χ^2/NDF:11.7/10

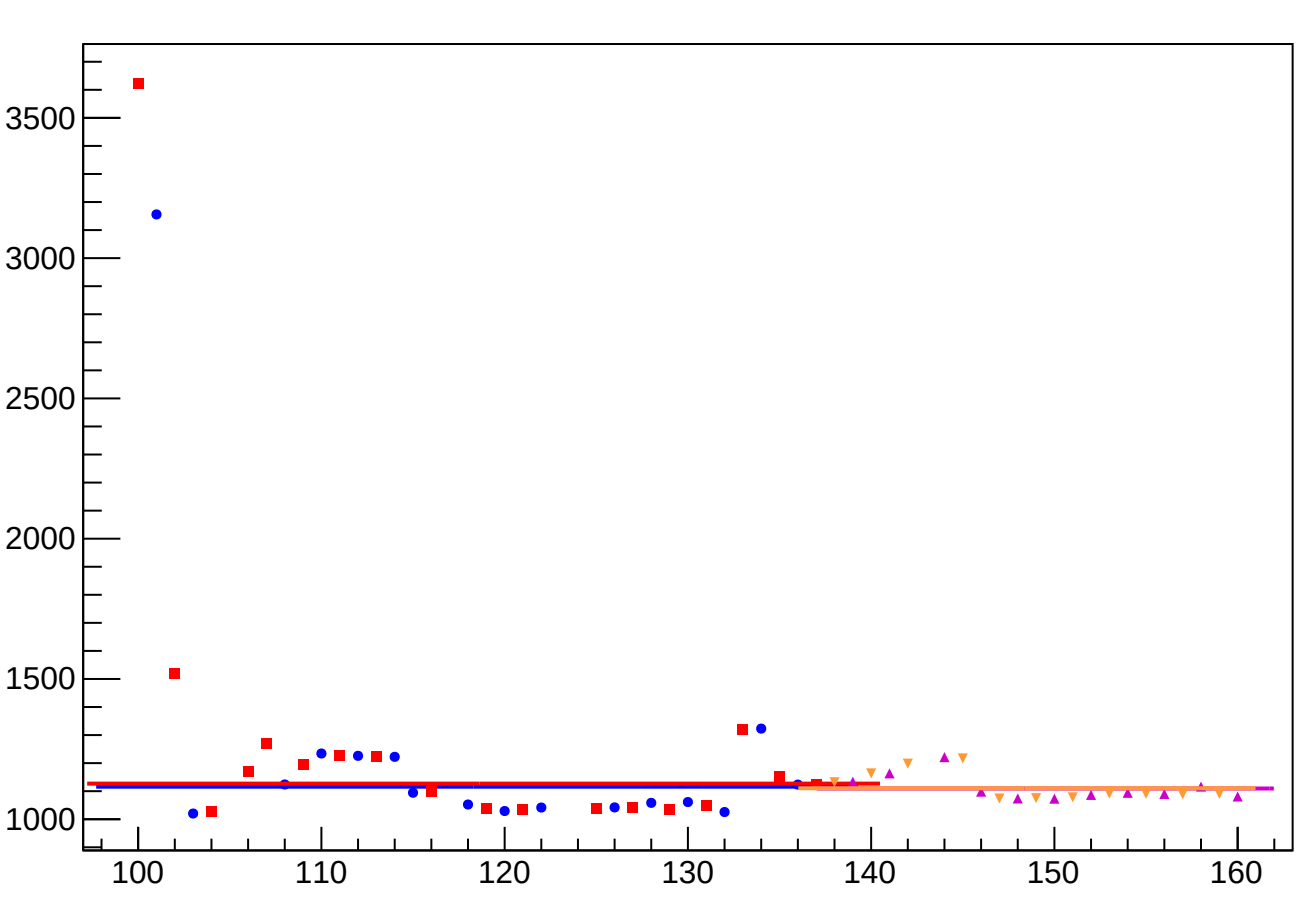
Left: -48.844+/-259.722 χ^2/NDF: 20.2/21

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 140.294+/-274.211 χ^2/NDF:28.7/26

Out: 2.725+/-282.030 χ^2/NDF:25.0/28

All: 73.443+/-196.603 χ^2/NDF: 53.9/55



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: 1109.510+/-0.254 χ^2/NDF:26554.1/10

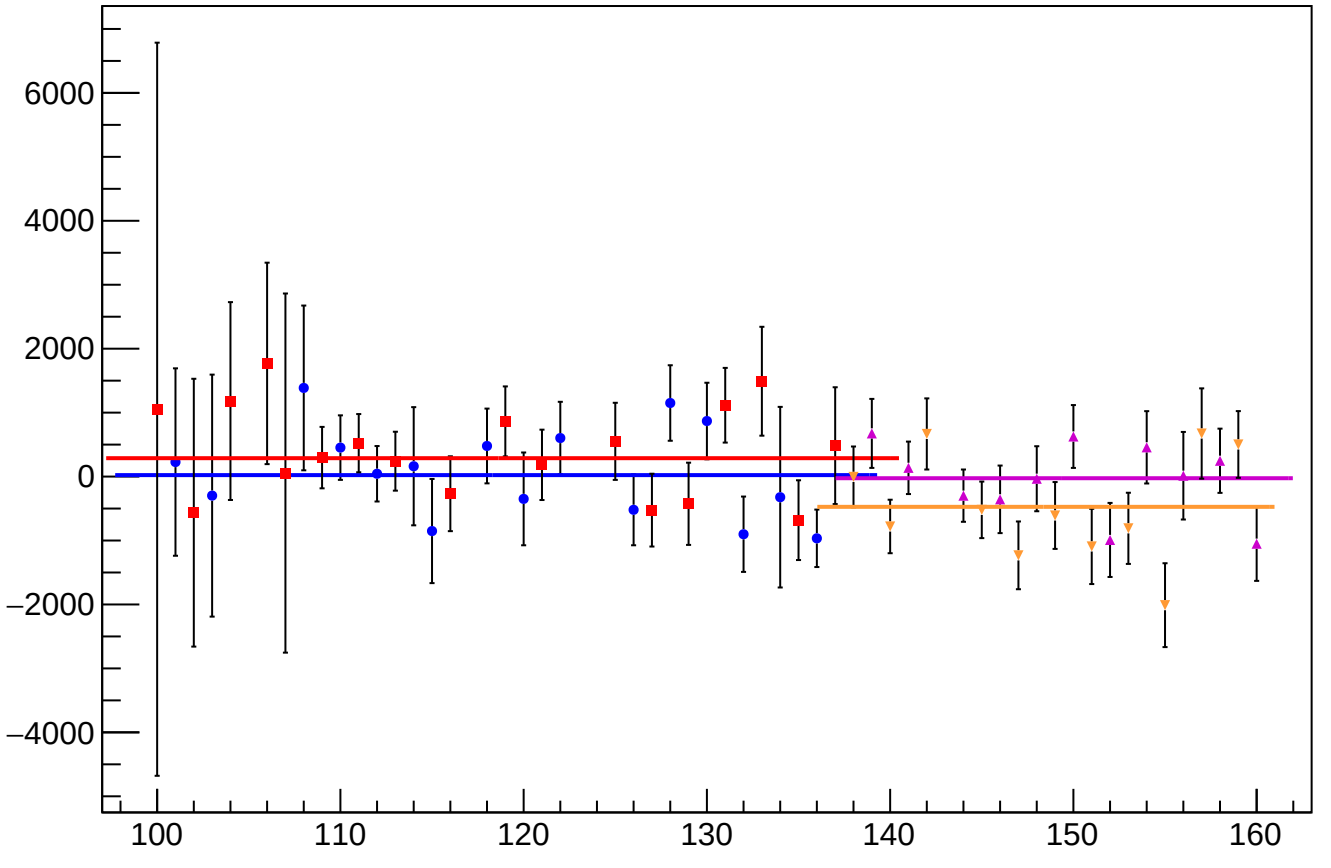
Left: 1109.929+/-0.184 χ^2/NDF: 55222.8/21

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1112.253+/-0.194 χ^2/NDF:650225.9/26

Out: 1117.641+/-0.199 χ^2/NDF:253102.3/28

All: 1114.871+/-0.139 χ^2/NDF: 903703.4/55



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: -25.730+/-154.086 χ^2/NDF:11.4/10

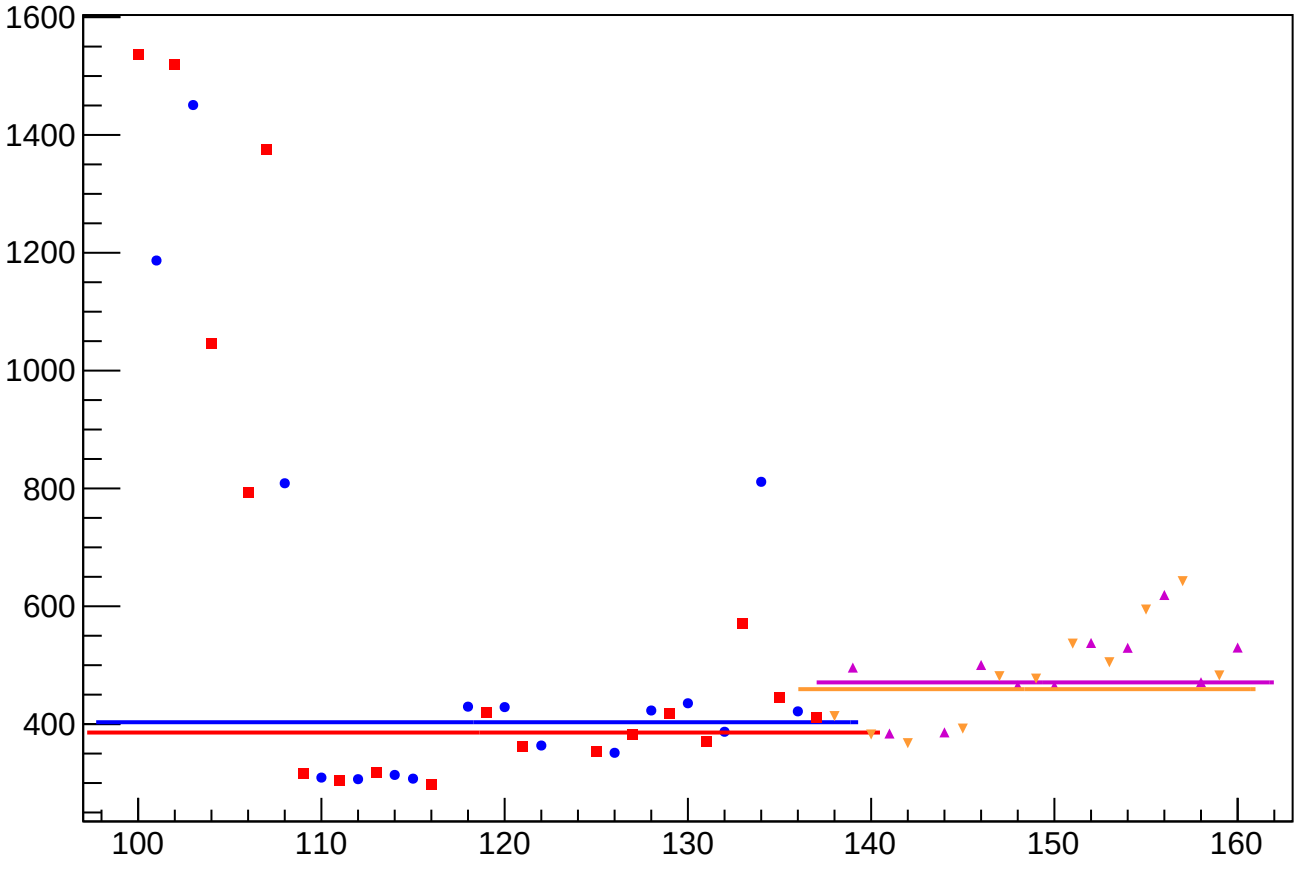
Left: -243.289+/-110.457 χ^2/NDF: 36.4/21

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -2.507+/-111.398 χ^2/NDF:30.4/26

Out: -87.479+/-111.233 χ^2/NDF:46.3/28

All: -45.056+/-78.712 χ^2/NDF: 76.9/55



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: 470.798+/-0.109 χ^2/NDF:349645.2/10

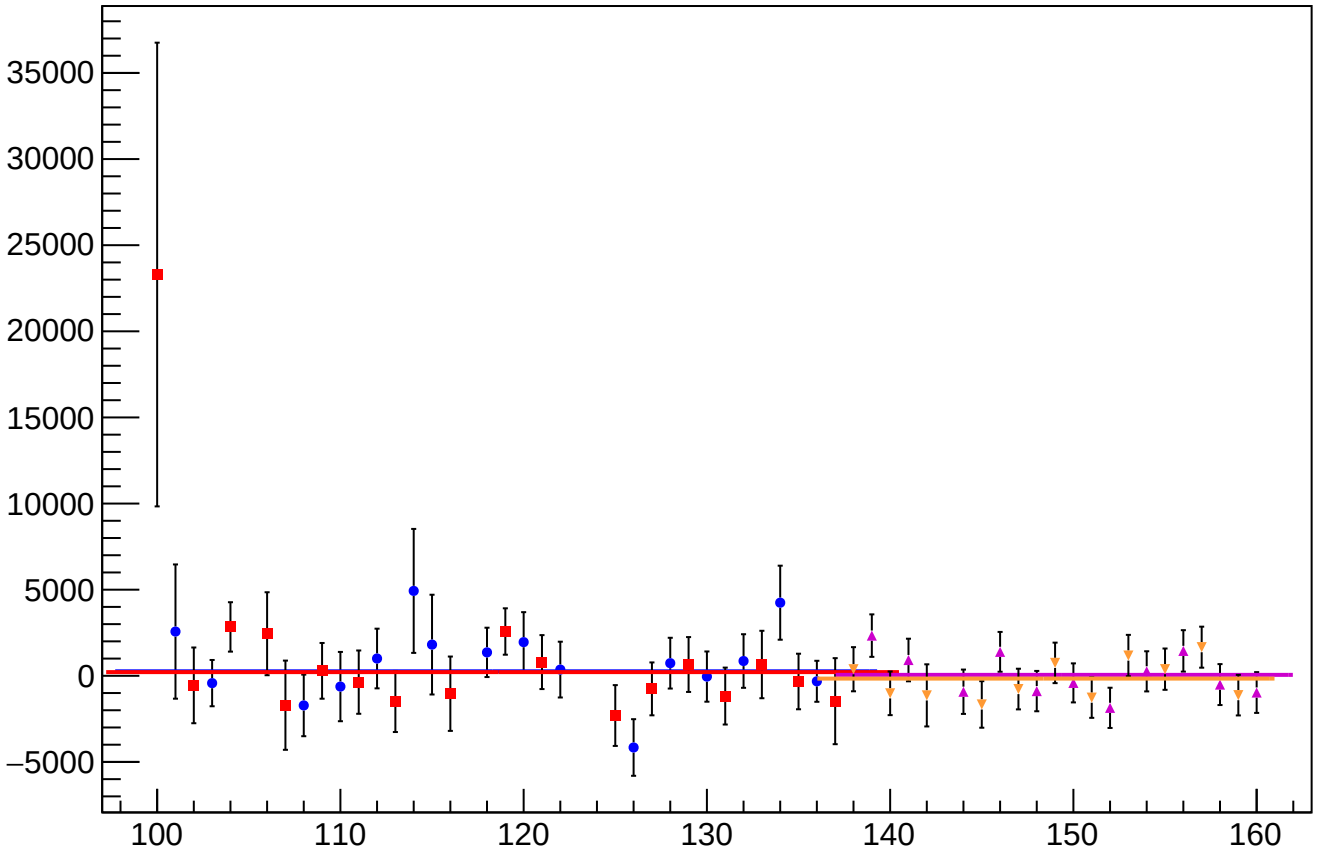
Left: 465.213+/-0.078 χ^2/NDF: 818945.4/21

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 438.523+/-0.079 χ^2/NDF:2345587.7/26

Out: 421.978+/-0.079 χ^2/NDF:2430074.8/28

All: 430.238+/-0.056 χ^2/NDF: 4797755.2/55



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: 54.390+/-359.117 χ^2/NDF:11.7/10

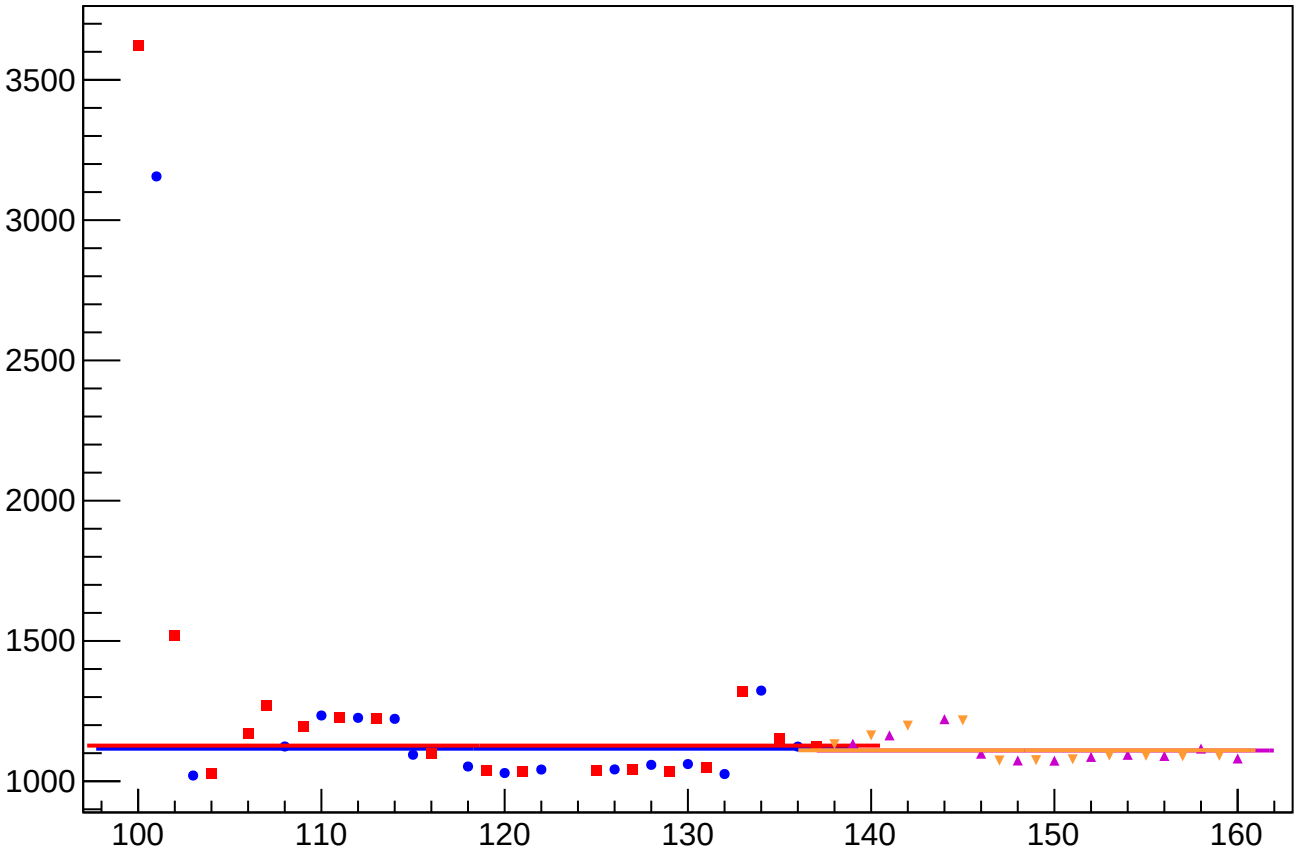
Left: -48.844+/-259.722 χ^2/NDF: 20.2/21

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 140.294+/-274.211 χ^2/NDF:28.7/26

Out: 2.725+/-282.030 χ^2/NDF:25.0/28

All: 73.443+/-196.603 χ^2/NDF: 53.9/55



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: 1109.510+/-0.254 χ^2/NDF:26554.1/10

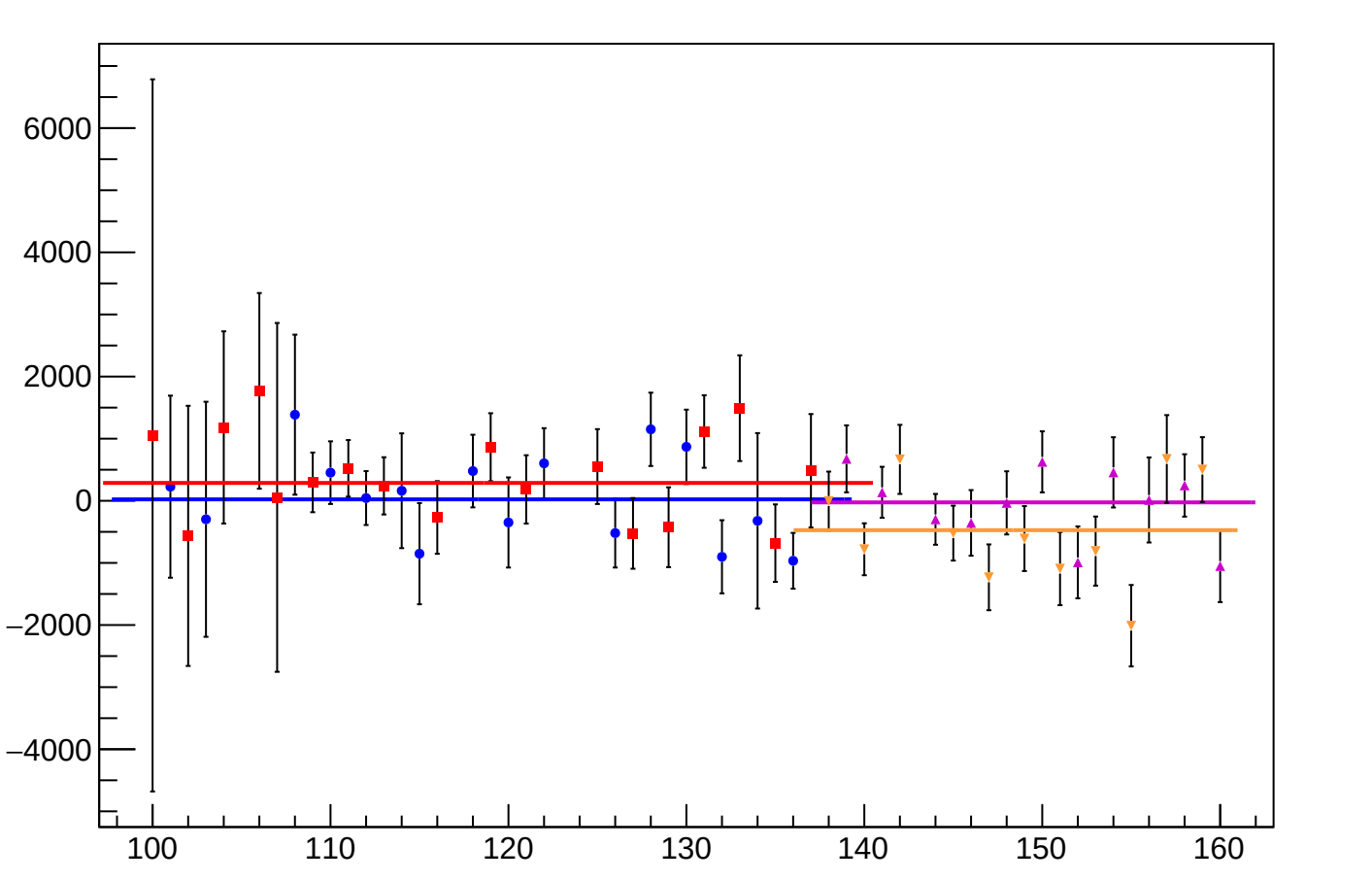
Left: 1109.929+/-0.184 χ^2/NDF: 55222.8/21

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

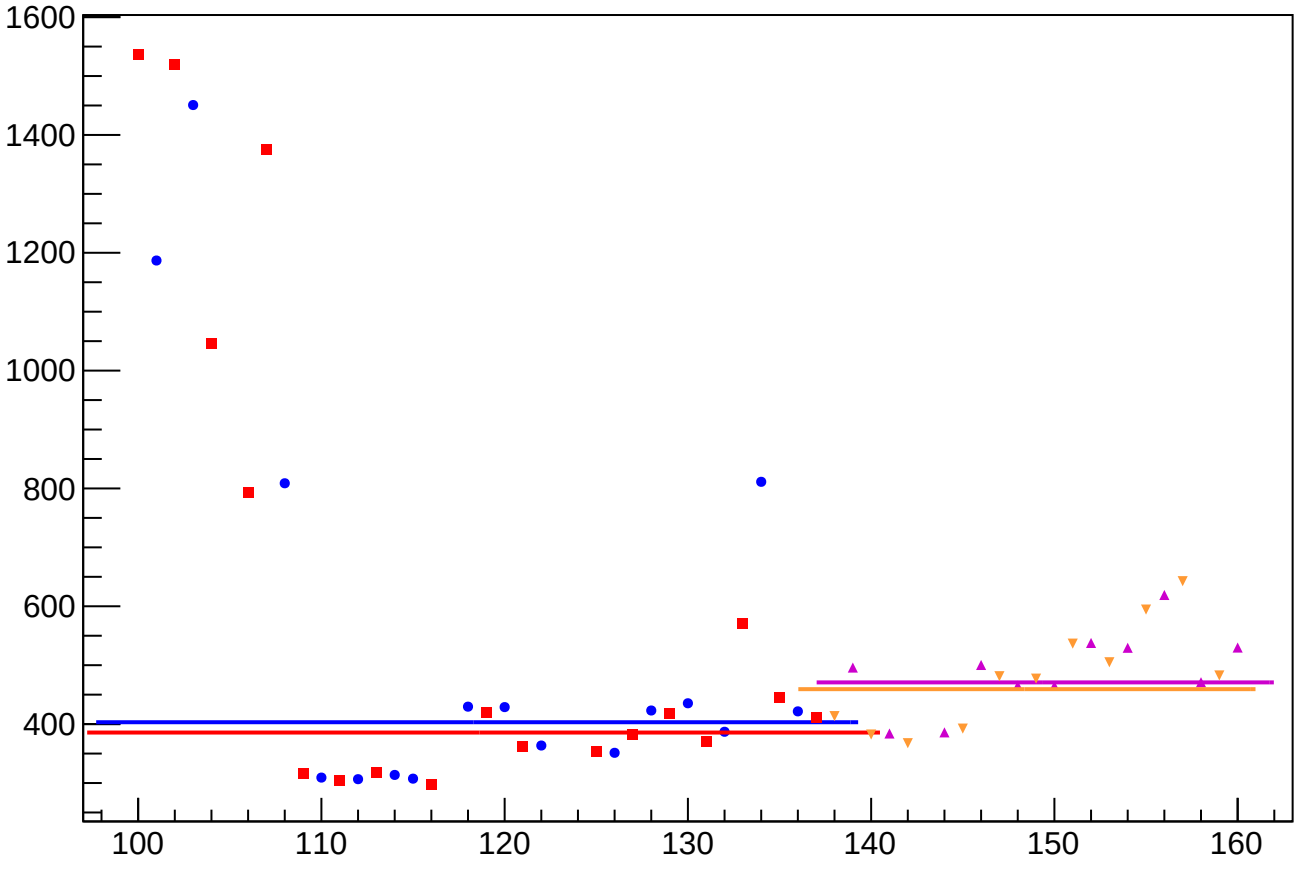
In: 1112.253+/-0.194 χ^2/NDF:650225.9/26

Out: 1117.641+/-0.199 χ^2/NDF:253102.3/28

All: 1114.871+/-0.139 χ^2/NDF: 903703.4/55


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -473.272+/-158.425 χ²/NDF:20.9/10
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -25.730+/-154.086 χ²/NDF:11.4/10
Left: -243.289+/-110.457 χ²/NDF: 36.4/21
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -2.507+/-111.398 χ²/NDF:30.4/26
Out: -87.479+/-111.233 χ²/NDF:46.3/28
All: -45.056+/-78.712 χ²/NDF: 76.9/55

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: 470.798+/-0.109 χ^2/NDF:349645.2/10

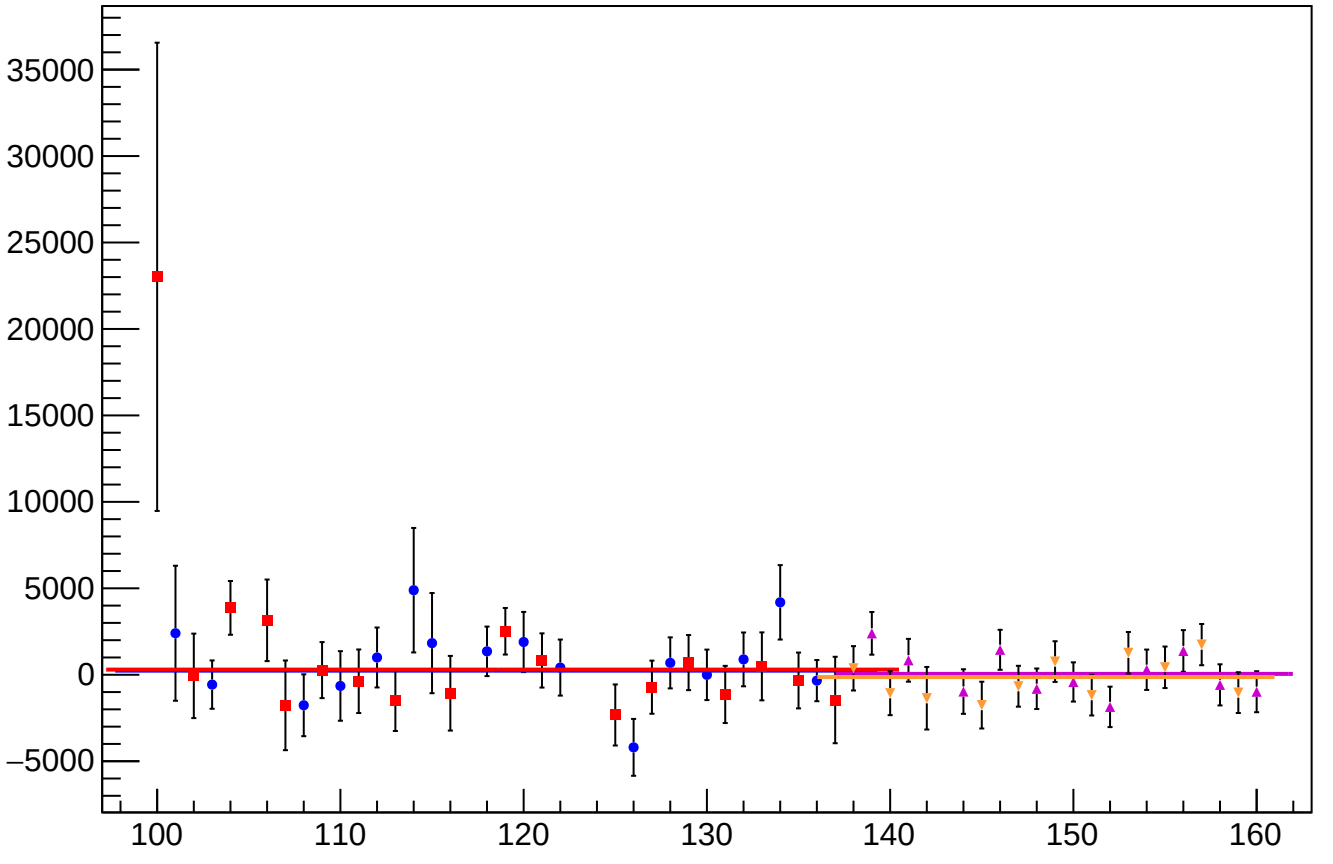
Left: 465.213+/-0.078 χ^2/NDF: 818945.4/21

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 438.523+/-0.079 χ^2/NDF:2345587.7/26

Out: 421.978+/-0.079 χ^2/NDF:2430074.8/28

All: 430.238+/-0.056 χ^2/NDF: 4797755.2/55



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -131.714+/-376.524 χ^2/NDF:8.8/10

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 50.749+/-359.514 χ^2/NDF:11.8/10

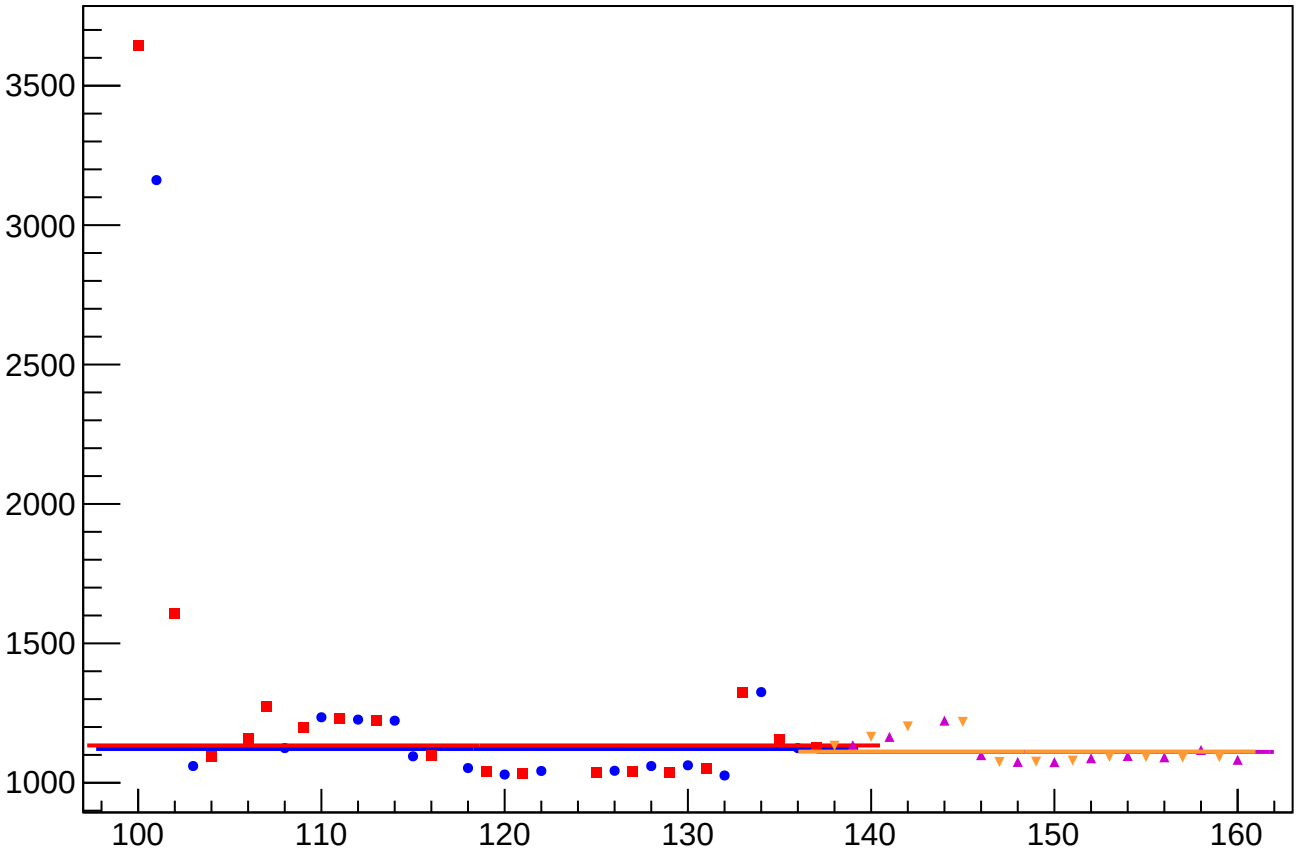
Left: -36.268+/-260.020 χ^2/NDF: 20.7/21

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 129.686+/-274.908 χ^2/NDF:28.8/26

Out: 54.798+/-283.492 χ^2/NDF:28.1/28

All: 93.393+/-197.354 χ^2/NDF: 56.9/55



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: 1110.730+/-0.254 χ^2/NDF:26626.5/10

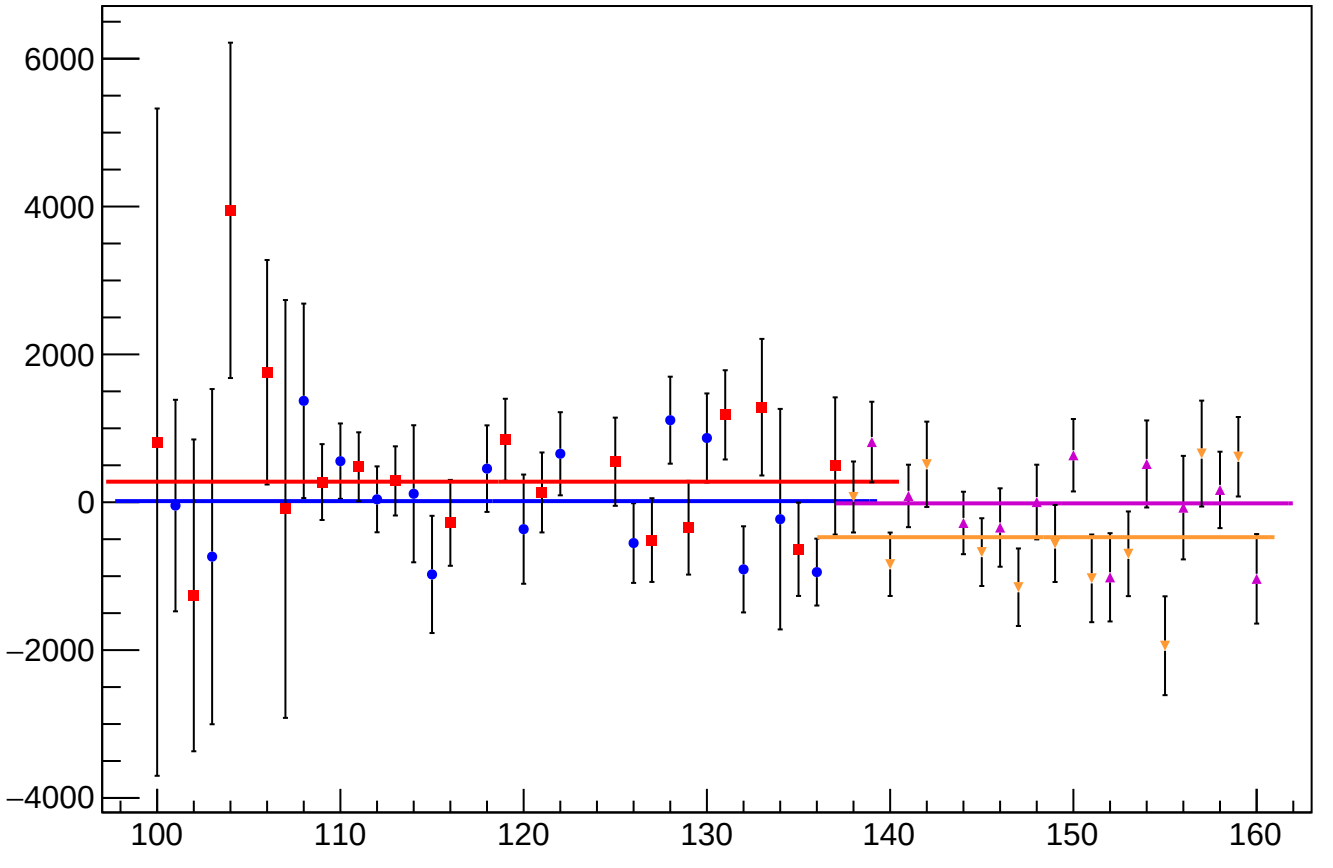
Left: 1111.191+/-0.184 χ^2/NDF: 55658.5/21

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1115.117+/-0.194 χ^2/NDF:644372.0/26

Out: 1121.327+/-0.200 χ^2/NDF:259501.9/28

All: 1118.126+/-0.140 χ^2/NDF: 904368.5/55



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: -14.959+/-157.290 χ^2/NDF:11.5/10

Left: -237.845+/-112.640 χ^2/NDF: 34.9/21

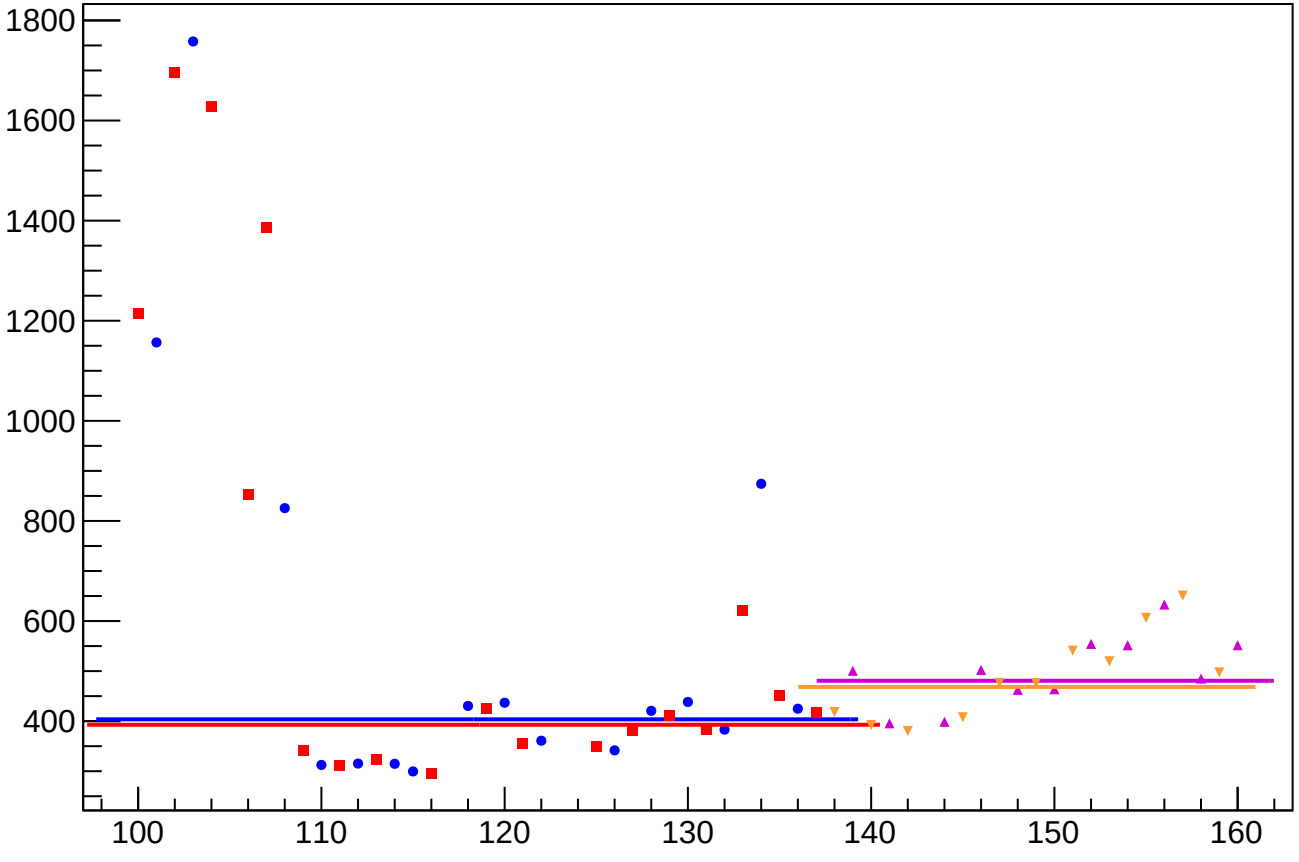
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -0.266+/-112.797 χ^2/NDF:31.2/26

Out: -91.125+/-113.201 χ^2/NDF:45.3/28

All: -45.533+/-79.902 χ^2/NDF: 76.8/55

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: 480.710+/-0.111 χ^2/NDF:349121.5/10

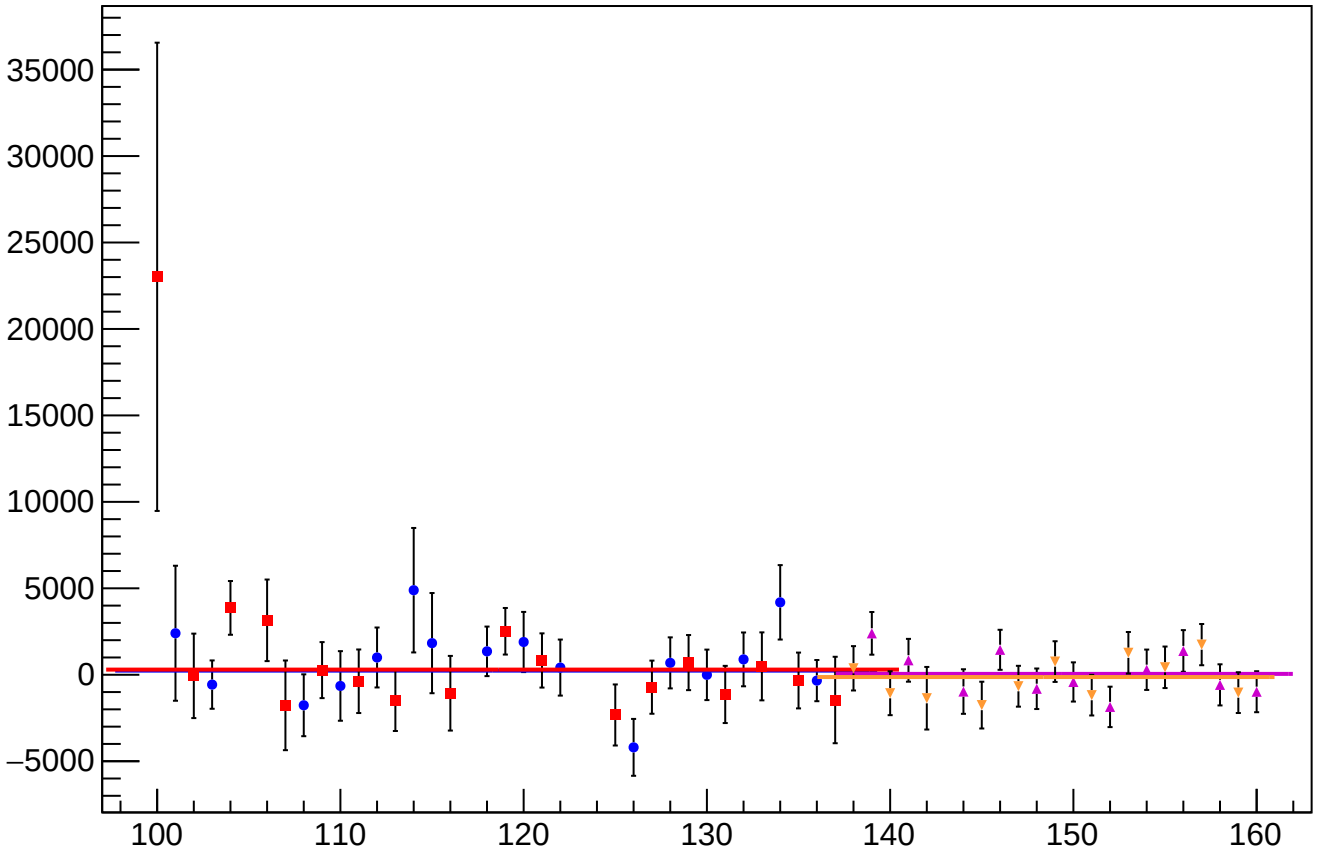
Left: 474.685+/-0.080 χ^2/NDF: 789211.3/21

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 443.283+/-0.080 χ^2/NDF:2511858.9/26

Out: 429.978+/-0.080 χ^2/NDF:2860003.1/28

All: 436.654+/-0.056 χ^2/NDF: 5385724.7/55



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: 50.749+/-359.514 χ^2/NDF:11.8/10

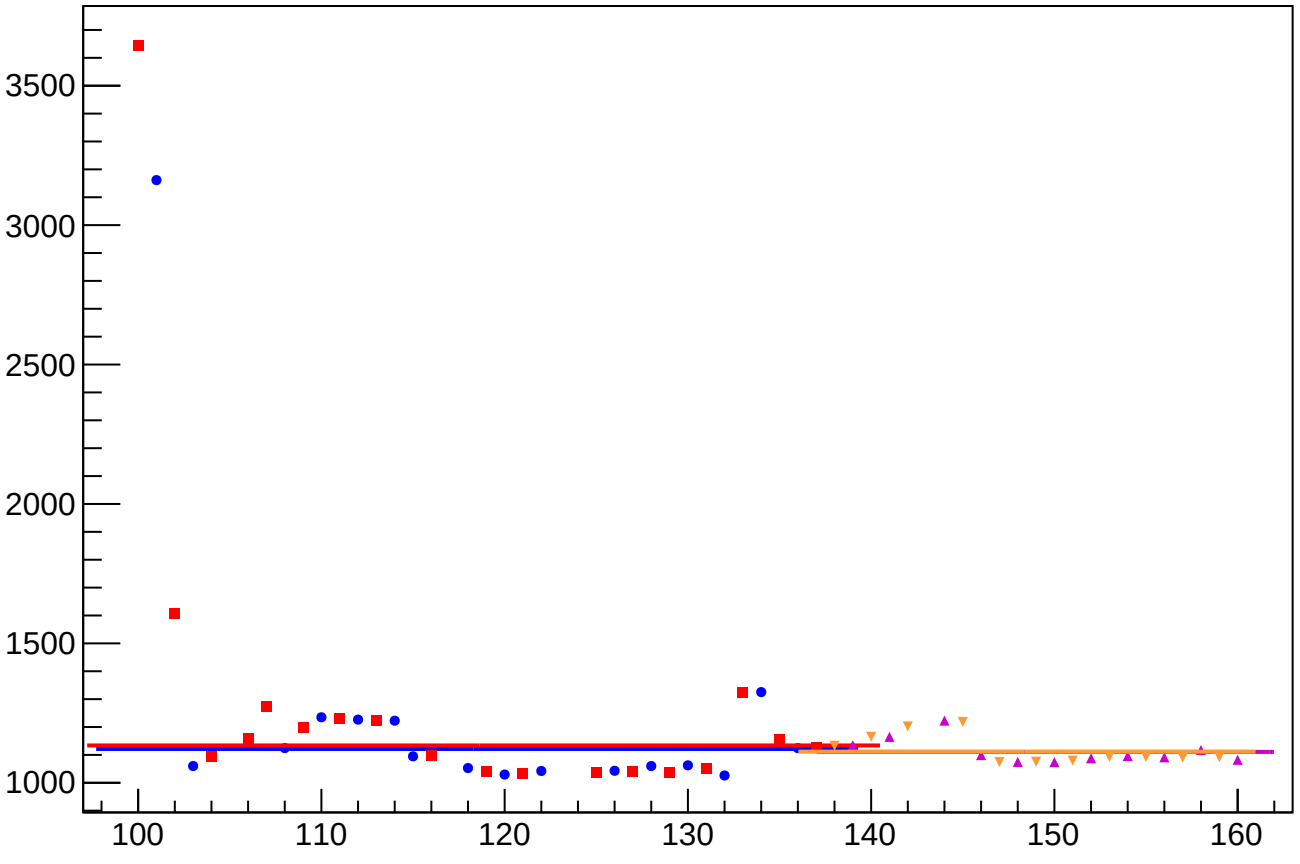
Left: -36.270+/-260.020 χ^2/NDF: 20.7/21

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 129.687+/-274.908 χ^2/NDF:28.8/26

Out: 54.797+/-283.492 χ^2/NDF:28.1/28

All: 93.393+/-197.354 χ^2/NDF: 56.9/55



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: 1110.730+/-0.254 χ^2/NDF:26626.5/10

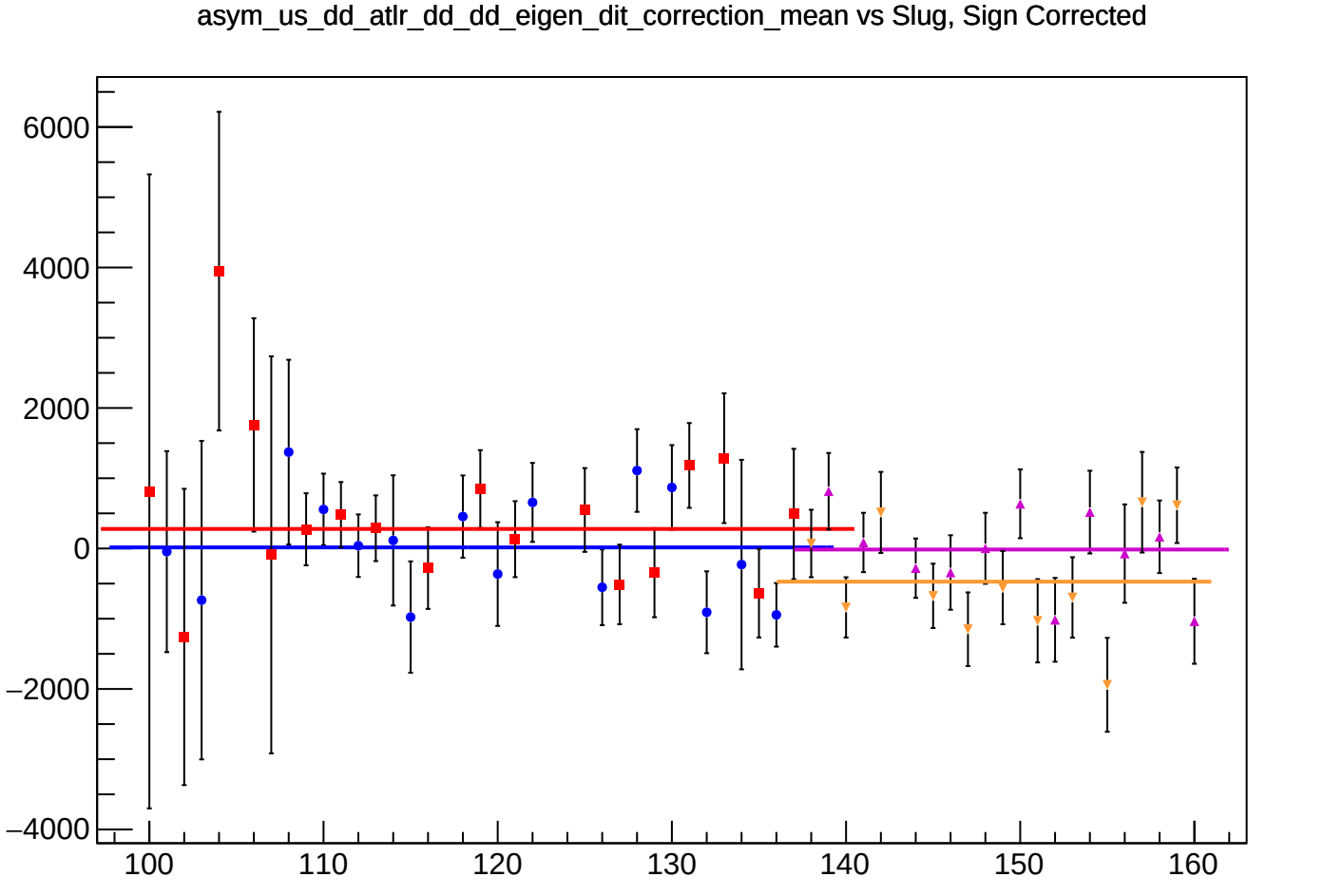
Left: 1111.191+/-0.184 χ^2/NDF: 55658.5/21

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

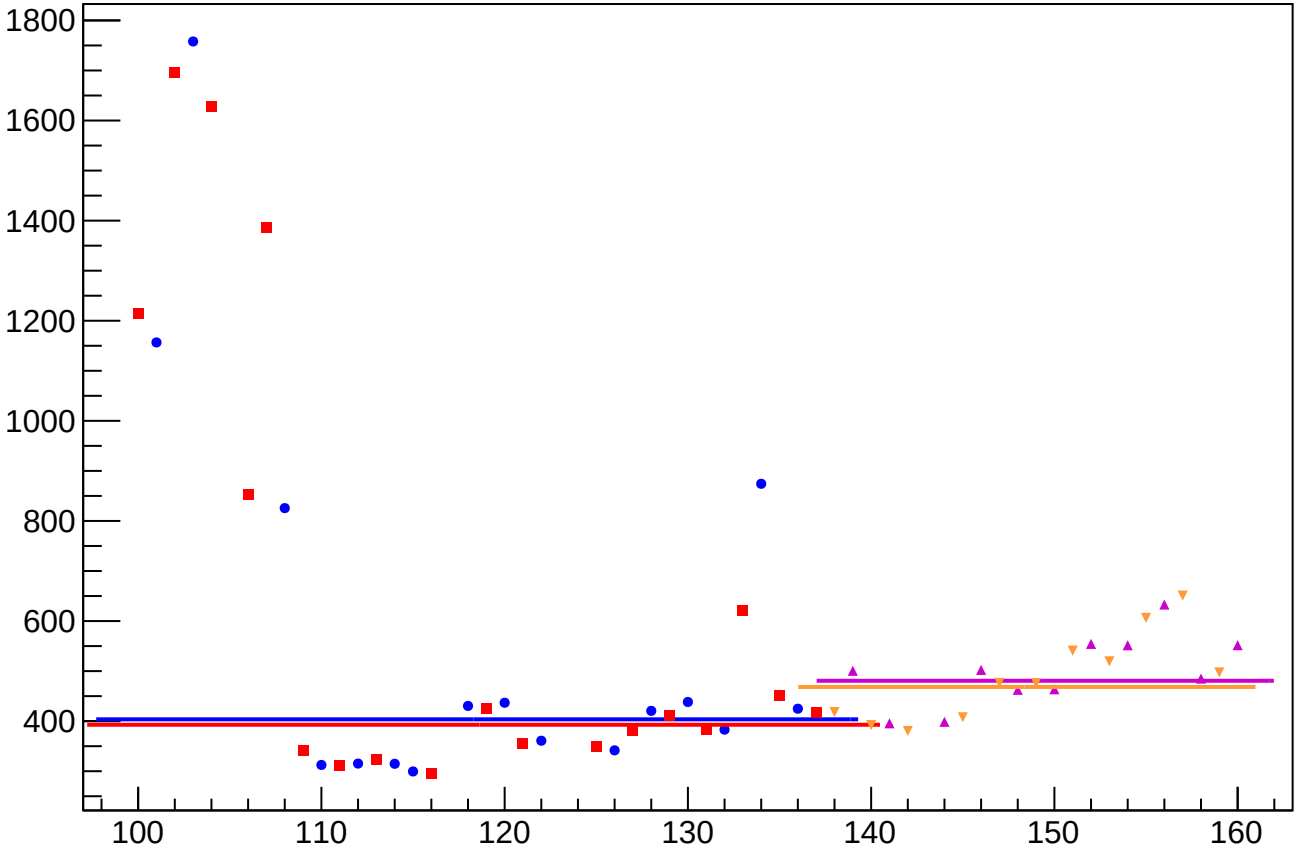
In: 1115.117+/-0.194 χ^2/NDF:644372.1/26

Out: 1121.327+/-0.200 χ^2/NDF:259502.0/28

All: 1118.126+/-0.140 χ^2/NDF: 904368.6/55


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -472.488+/-161.384 χ²/NDF:19.3/10
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -14.958+/-157.290 χ²/NDF:11.5/10
Left: -237.846+/-112.640 χ²/NDF: 34.9/21
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -0.267+/-112.797 χ²/NDF:31.2/26
Out: -91.124+/-113.201 χ²/NDF:45.3/28
All: -45.533+/-79.902 χ²/NDF: 76.8/55

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: 480.712+/-0.111 χ^2/NDF:349130.0/10

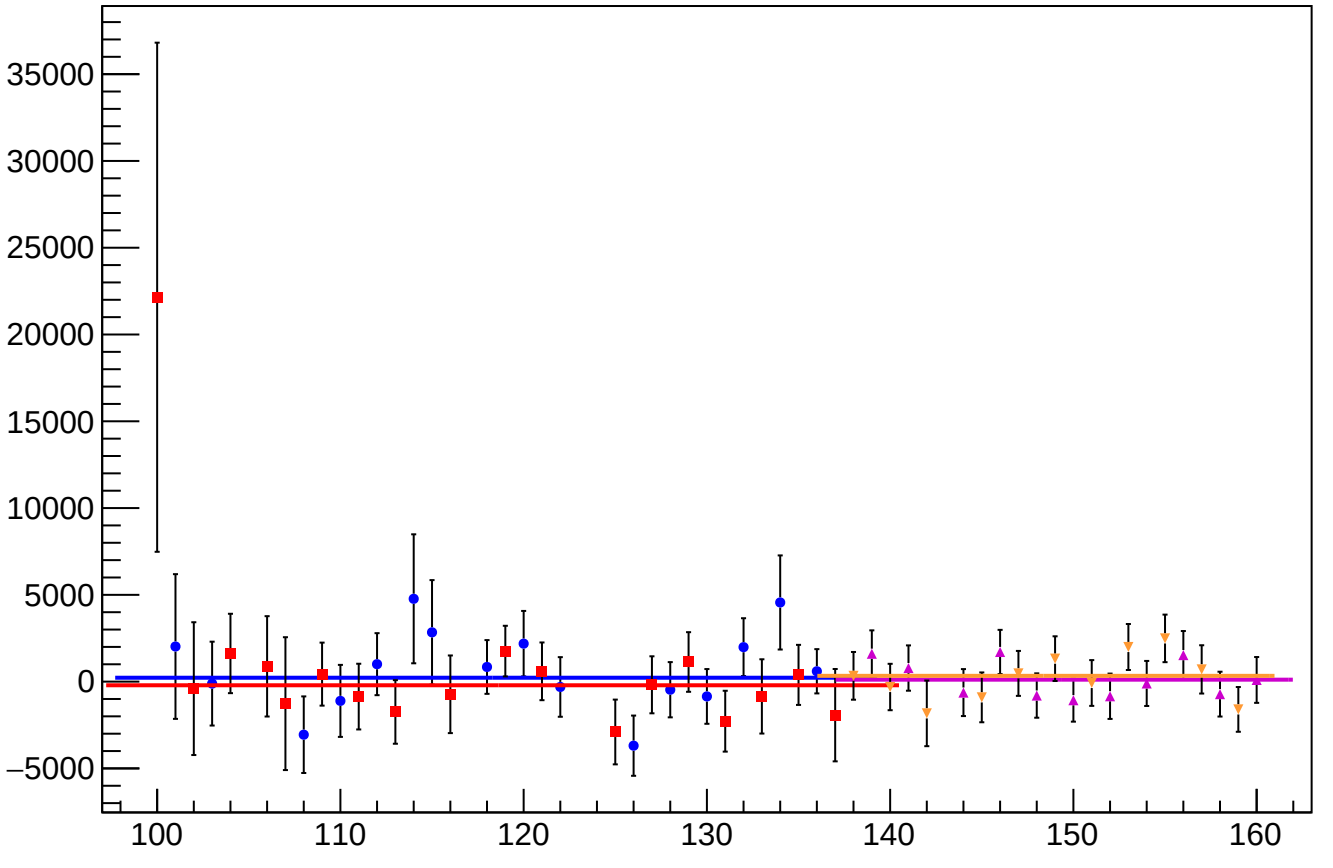
Left: 474.686+/-0.080 χ^2/NDF: 789242.0/21

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 443.282+/-0.080 χ^2/NDF:2511893.1/26

Out: 429.976+/-0.080 χ^2/NDF:2860053.6/28

All: 436.653+/-0.056 χ^2/NDF: 5385811.0/55



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: 112.738+/-393.999 χ^2/NDF:6.8/10

Left: 217.944+/-285.236 χ^2/NDF: 16.3/21

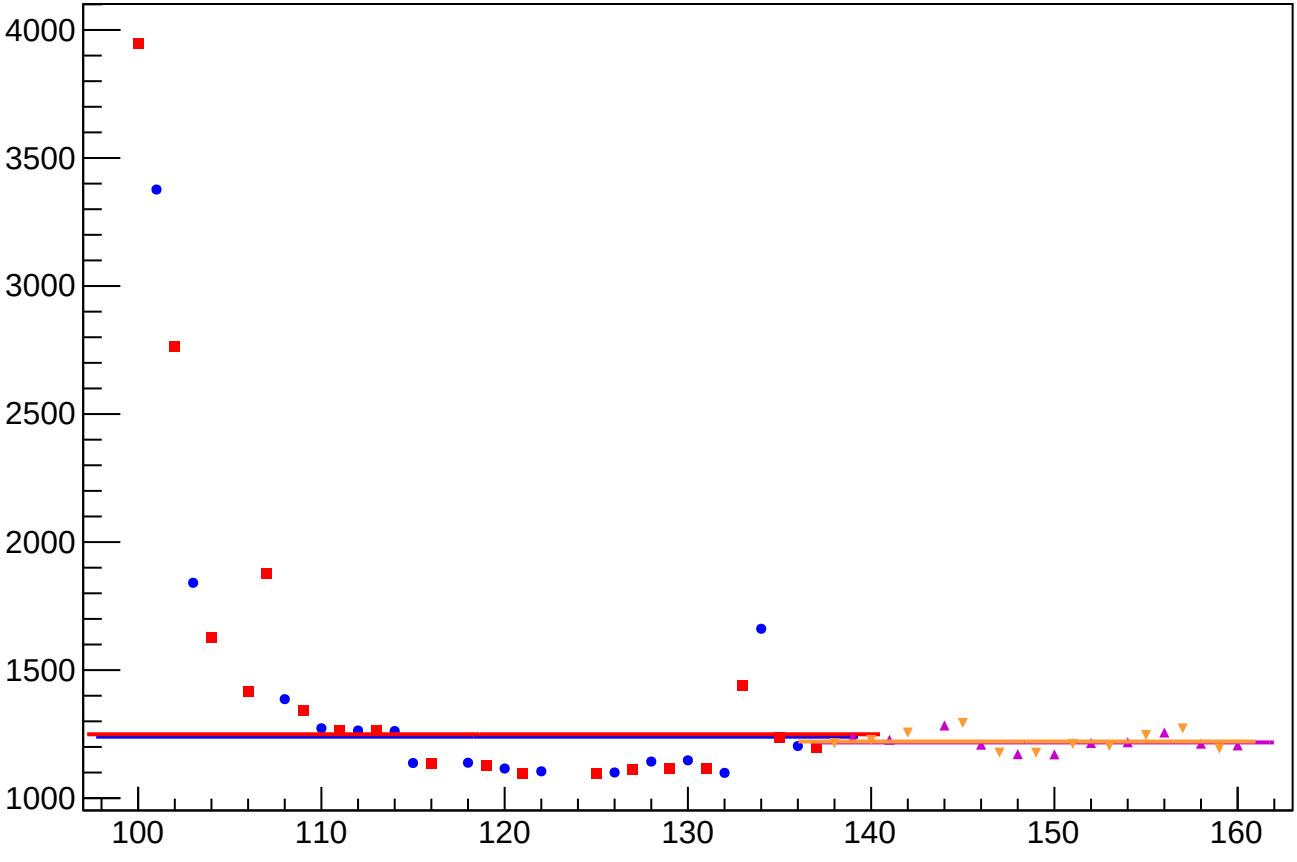
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 158.471+/-303.138 χ^2/NDF:23.0/26

Out: 101.066+/-312.665 χ^2/NDF:21.1/28

All: 130.656+/-217.641 χ^2/NDF: 44.0/55

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



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: 1217.667+/-0.279 χ^2/NDF:12624.7/10

Left: 1219.397+/-0.202 χ^2/NDF: 27844.4/21

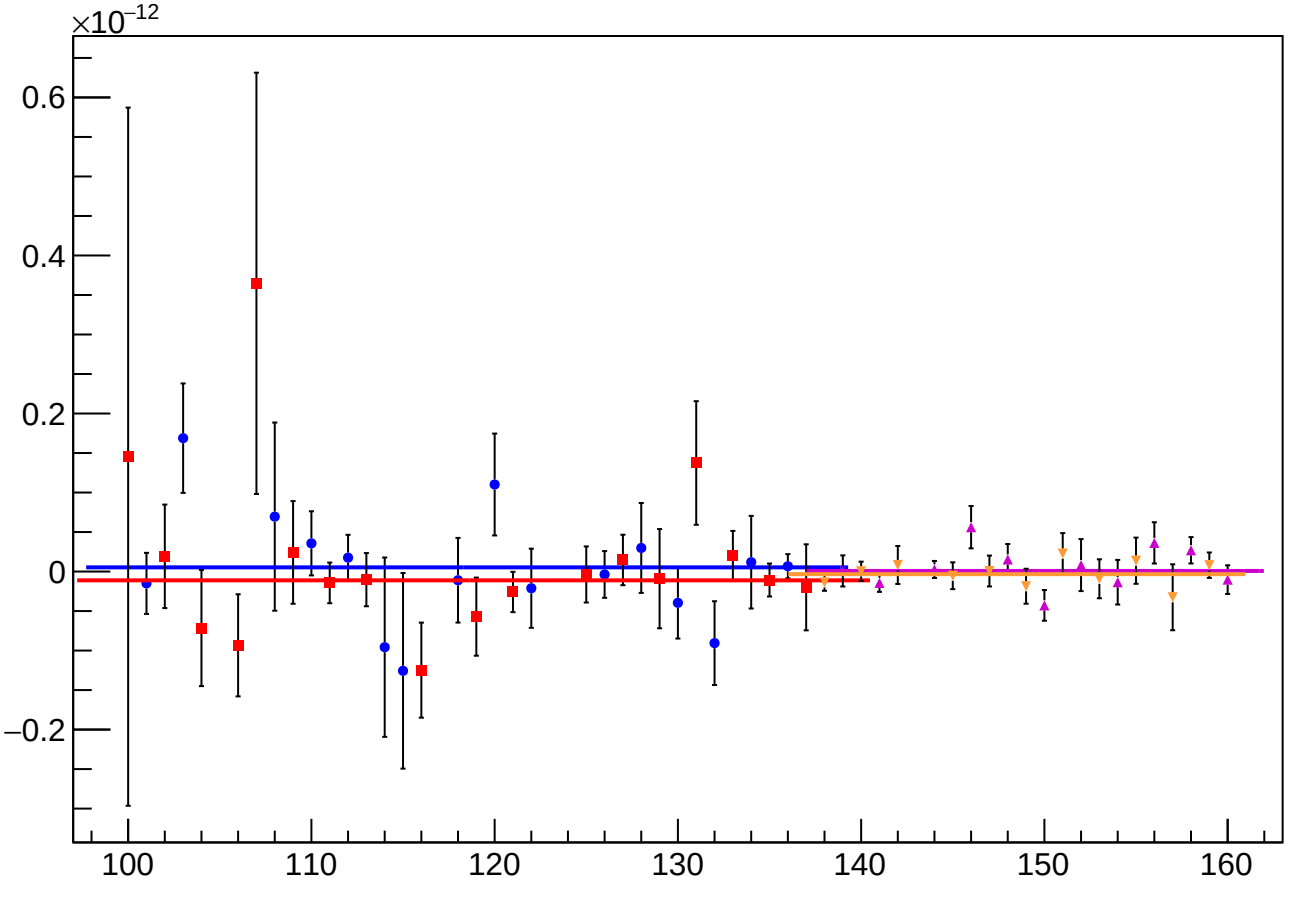
Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1226.837+/-0.214 χ^2/NDF:797959.5/26

Out: 1233.338+/-0.221 χ^2/NDF:625195.1/28

All: 1229.987+/-0.154 χ^2/NDF: 1423600.4/55

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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:16.7/10

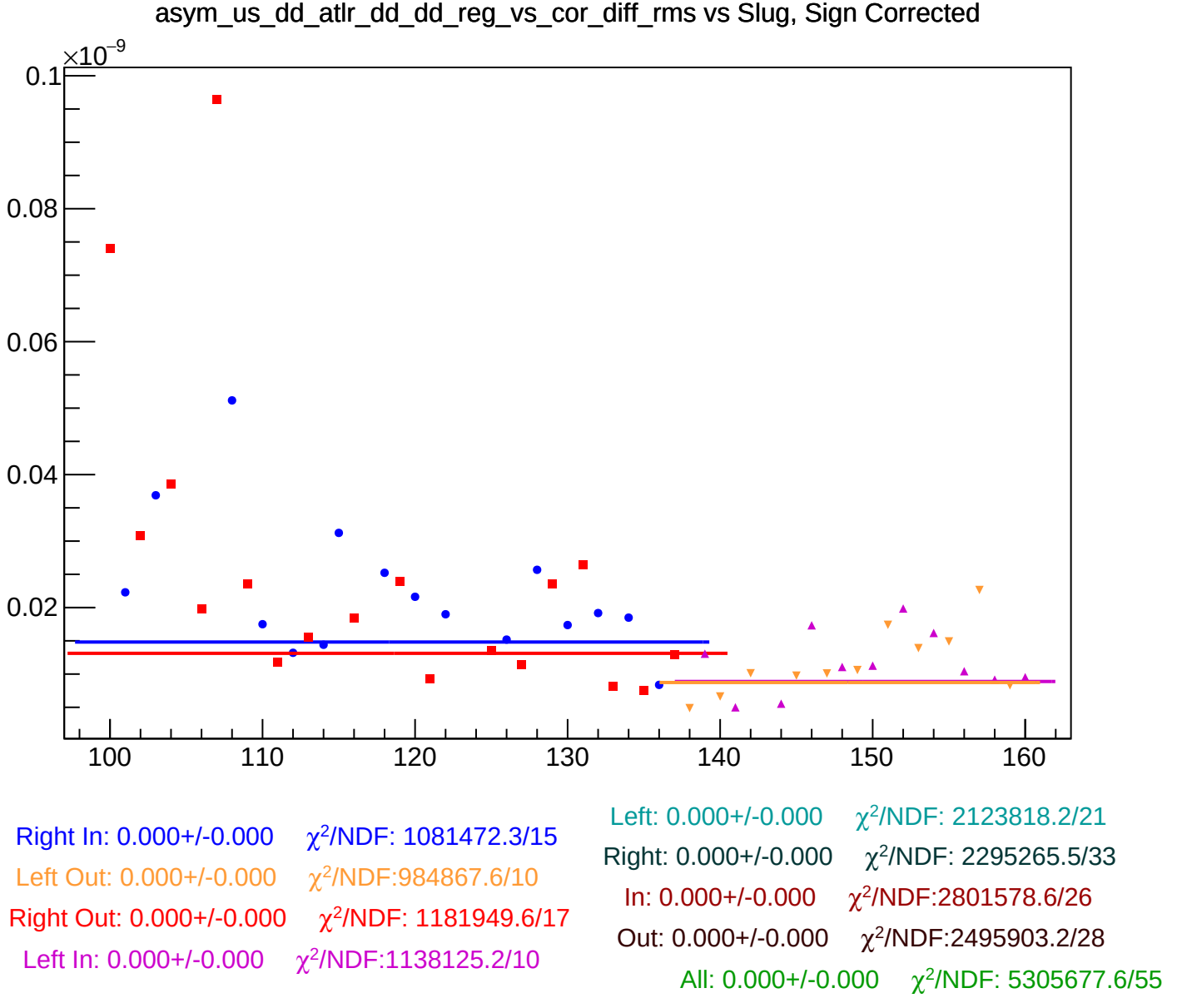
Left: -0.000+/-0.000 χ^2/NDF: 21.1/21

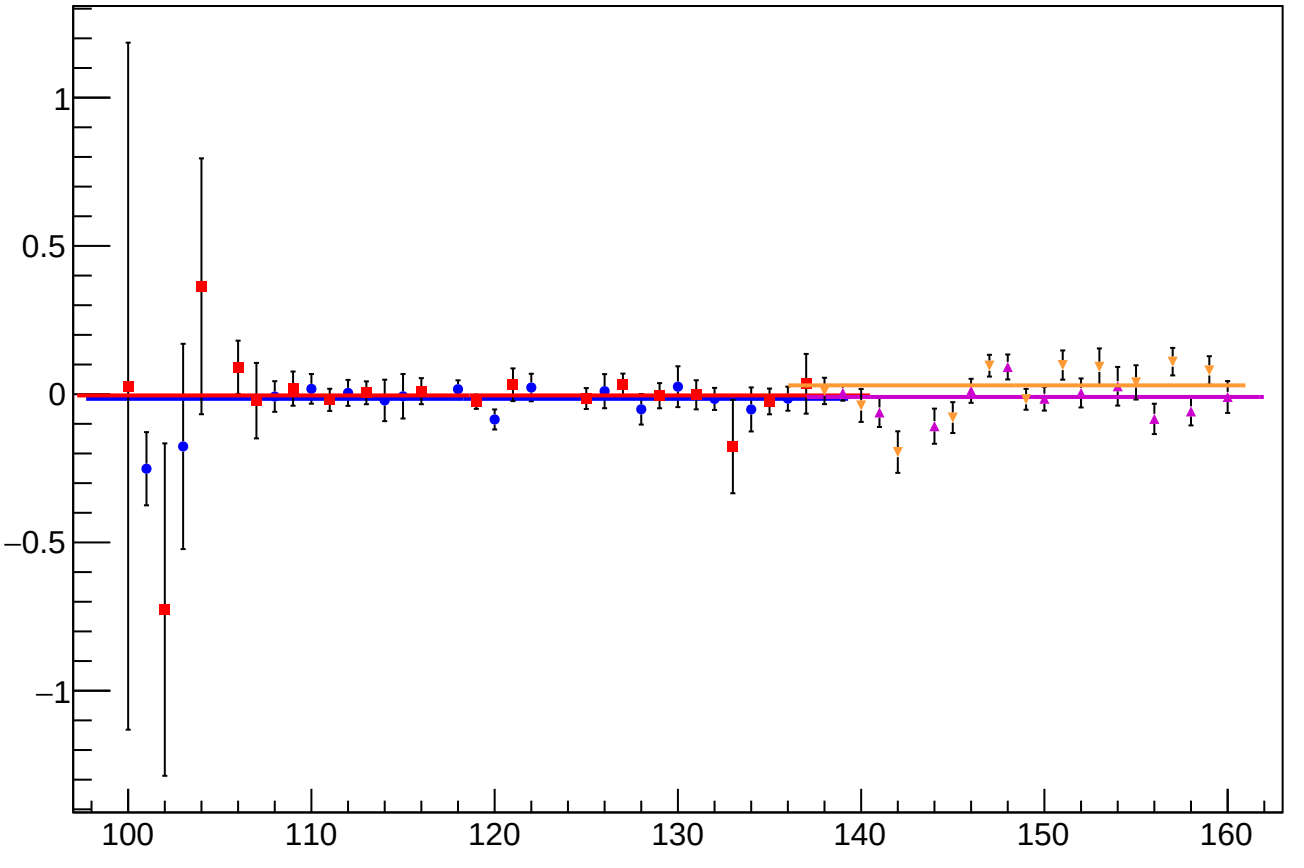
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:33.2/26

Out: -0.000+/-0.000 χ^2/NDF:19.8/28

All: -0.000+/-0.000 χ^2/NDF: 54.1/55


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:1138125.2/10
Left: 0.000+/-0.000 χ²/NDF: 2123818.2/21
Right: 0.000+/-0.000 χ²/NDF: 2295265.5/33
In: 0.000+/-0.000 χ²/NDF:2801578.6/26
Out: 0.000+/-0.000 χ²/NDF:2495903.2/28
All: 0.000+/-0.000 χ²/NDF: 5305677.6/55



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+/-0.013 χ^2/NDF:13.8/10

Left: 0.008+/-0.010 χ^2/NDF: 46.2/21

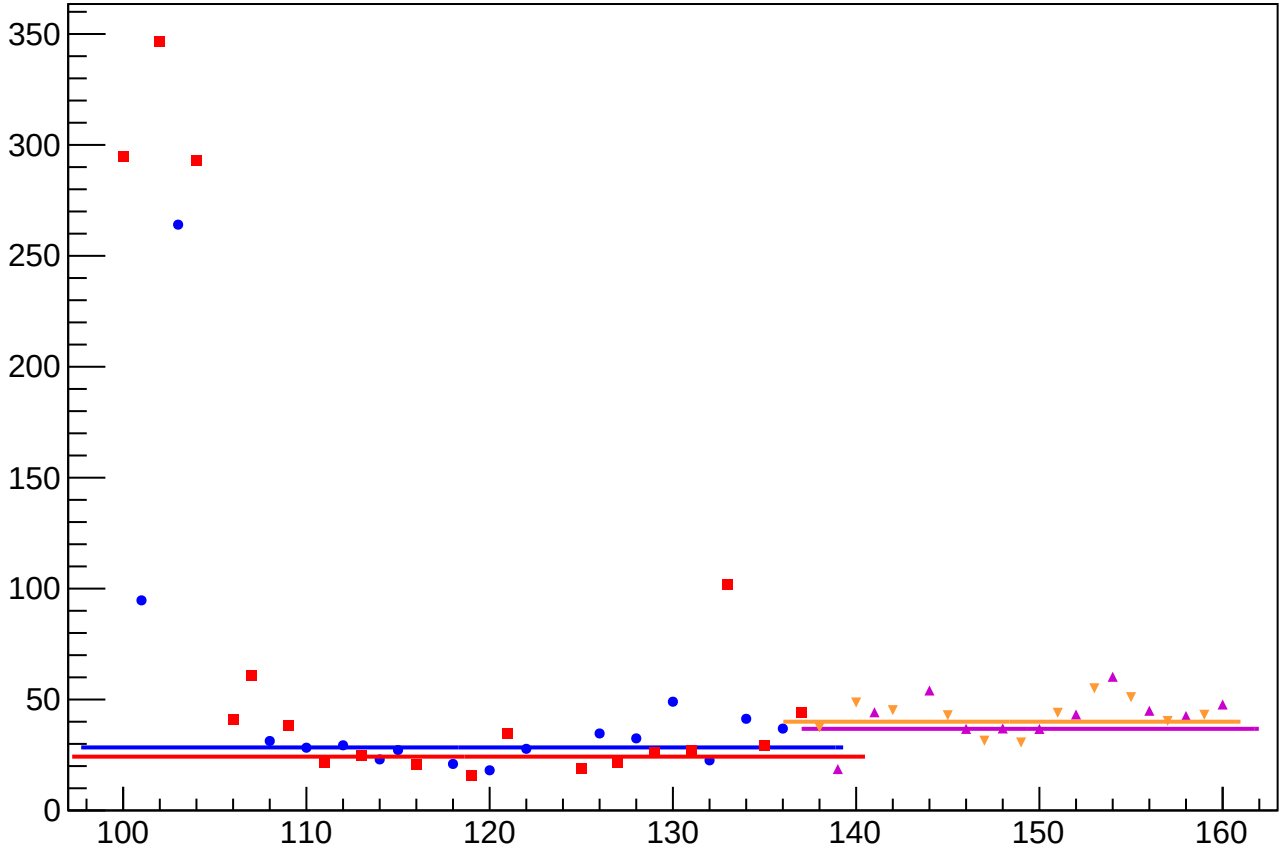
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/55

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: 36.794+/-0.009 χ^2/NDF:1610416.3/10

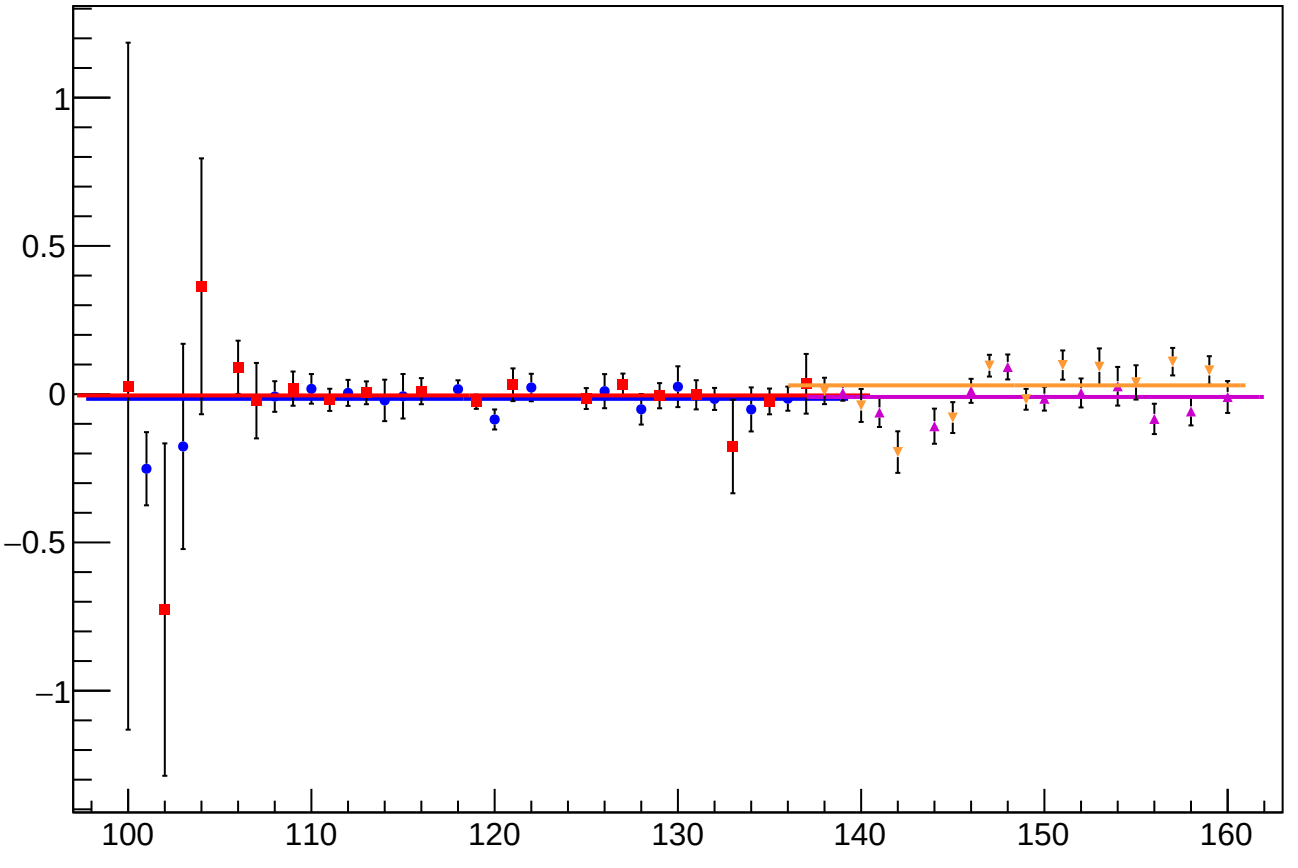
Left: 38.259+/-0.007 χ^2/NDF: 2200493.7/21

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.313+/-0.006 χ^2/NDF:4287899.8/26

Out: 30.348+/-0.006 χ^2/NDF:4916573.0/28

All: 31.326+/-0.004 χ^2/NDF: 9252341.8/55



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+/-0.013 χ^2/NDF:13.8/10

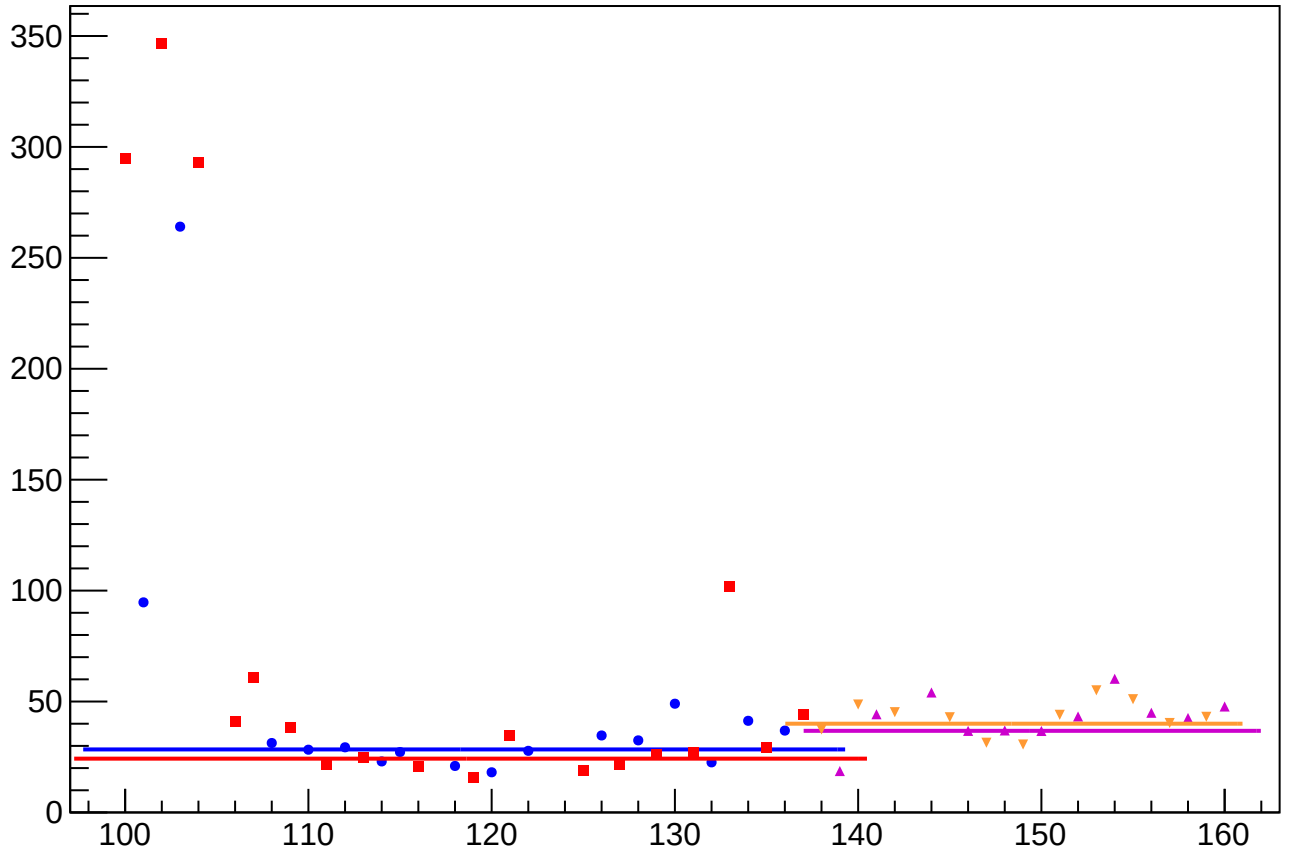
Left: 0.008+/-0.010 χ^2/NDF: 46.2/21

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/55



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: 36.794+/-0.009 χ^2/NDF:1610416.3/10

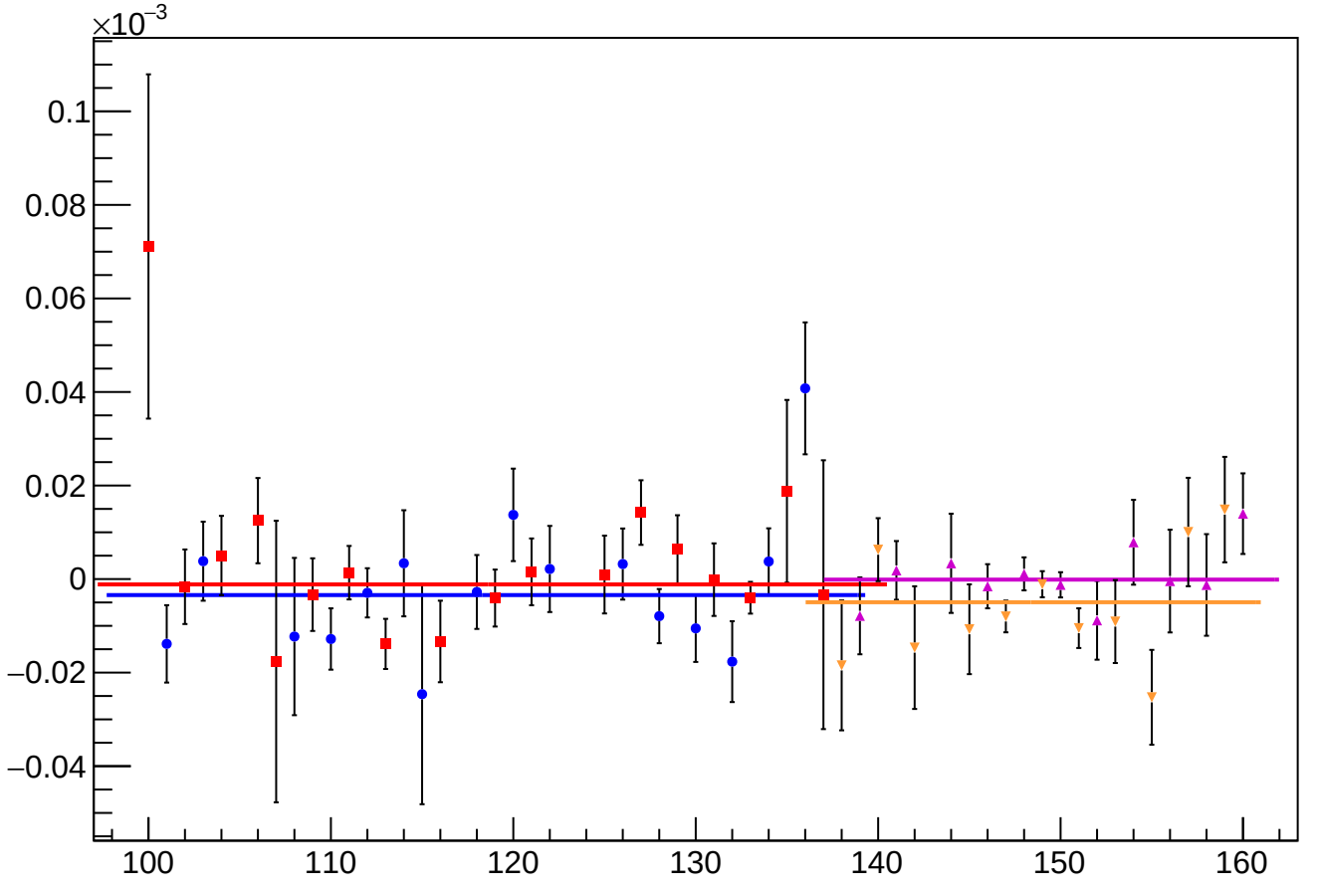
Left: 38.259+/-0.007 χ^2/NDF: 2200493.7/21

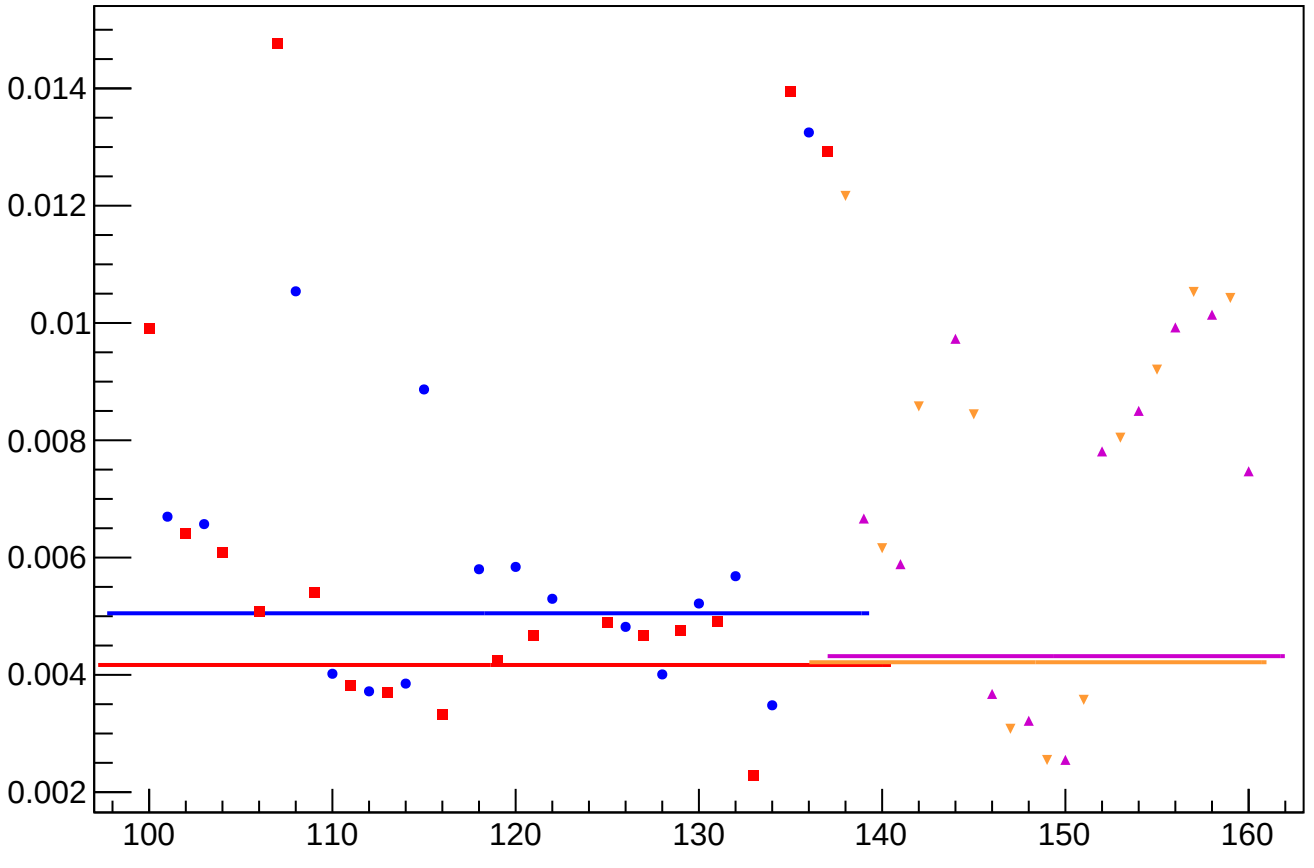
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.313+/-0.006 χ^2/NDF:4287899.8/26

Out: 30.348+/-0.006 χ^2/NDF:4916573.0/28

All: 31.326+/-0.004 χ^2/NDF: 9252341.8/55


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:6.0/10
Left: -0.000+/-0.000 χ²/NDF: 28.3/21
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:32.7/26
Out: -0.000+/-0.000 χ²/NDF:43.6/28
All: -0.000+/-0.000 χ²/NDF: 77.2/55



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:4034092.7/10

Left: 0.004+/-0.000 χ^2/NDF: 8510473.2/21

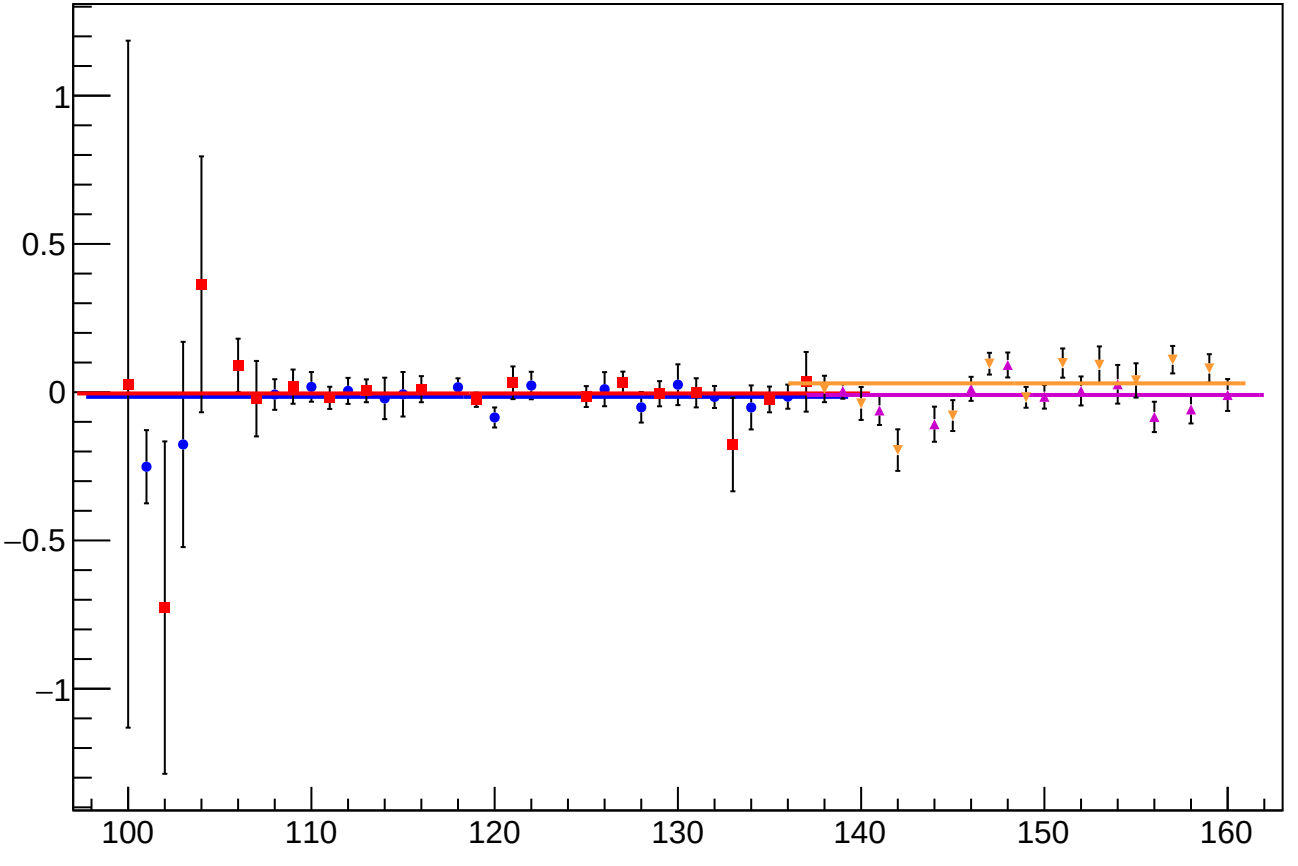
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5685136.5/26

Out: 0.004+/-0.000 χ^2/NDF:6515232.0/28

All: 0.004+/-0.000 χ^2/NDF: 12314518.9/55

asym_us_dd_atlr_dd_dd_eigen_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+/-0.013 χ^2/NDF:13.8/10

Left: 0.008+/-0.010 χ^2/NDF: 46.2/21

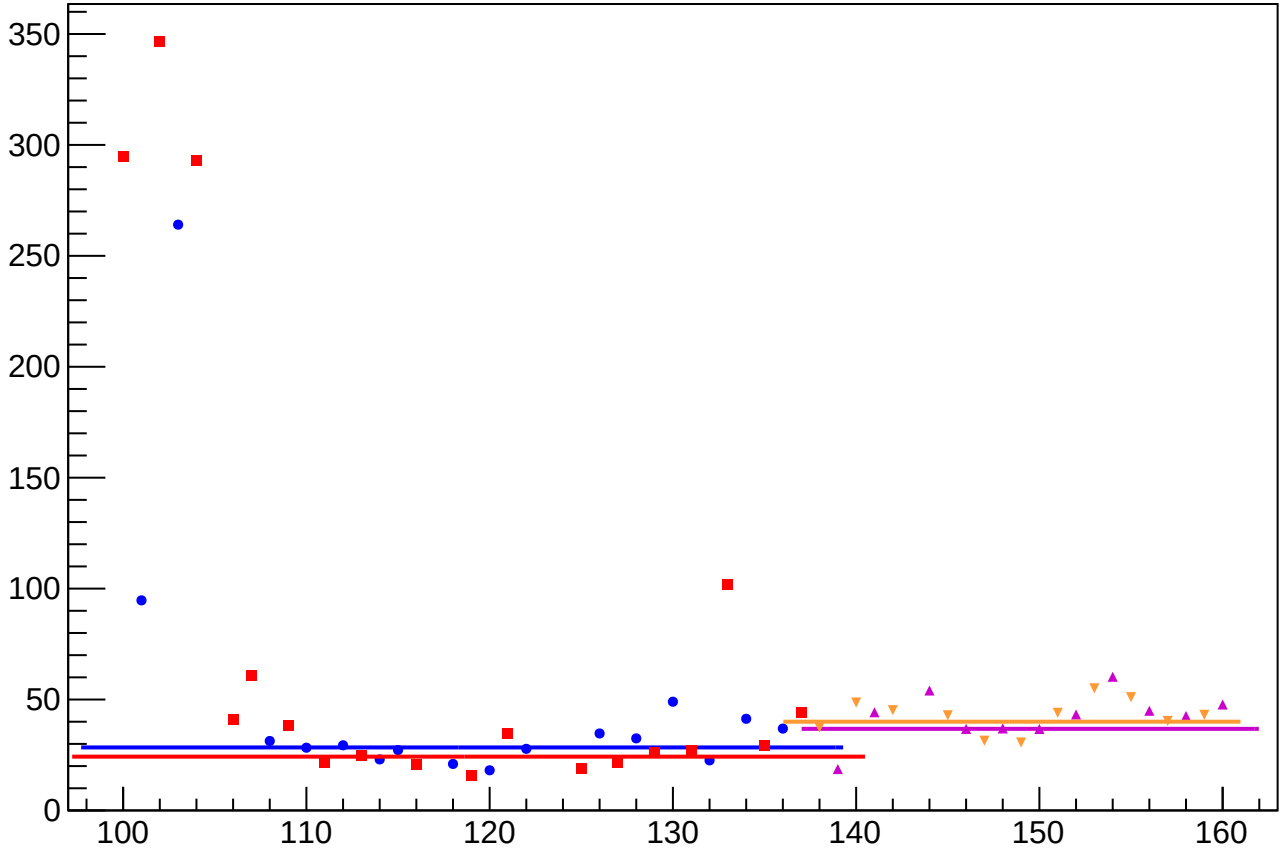
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/55

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: 36.792+/-0.009 χ^2/NDF:1611128.7/10

Left: 38.258+/-0.007 χ^2/NDF: 2201510.9/21

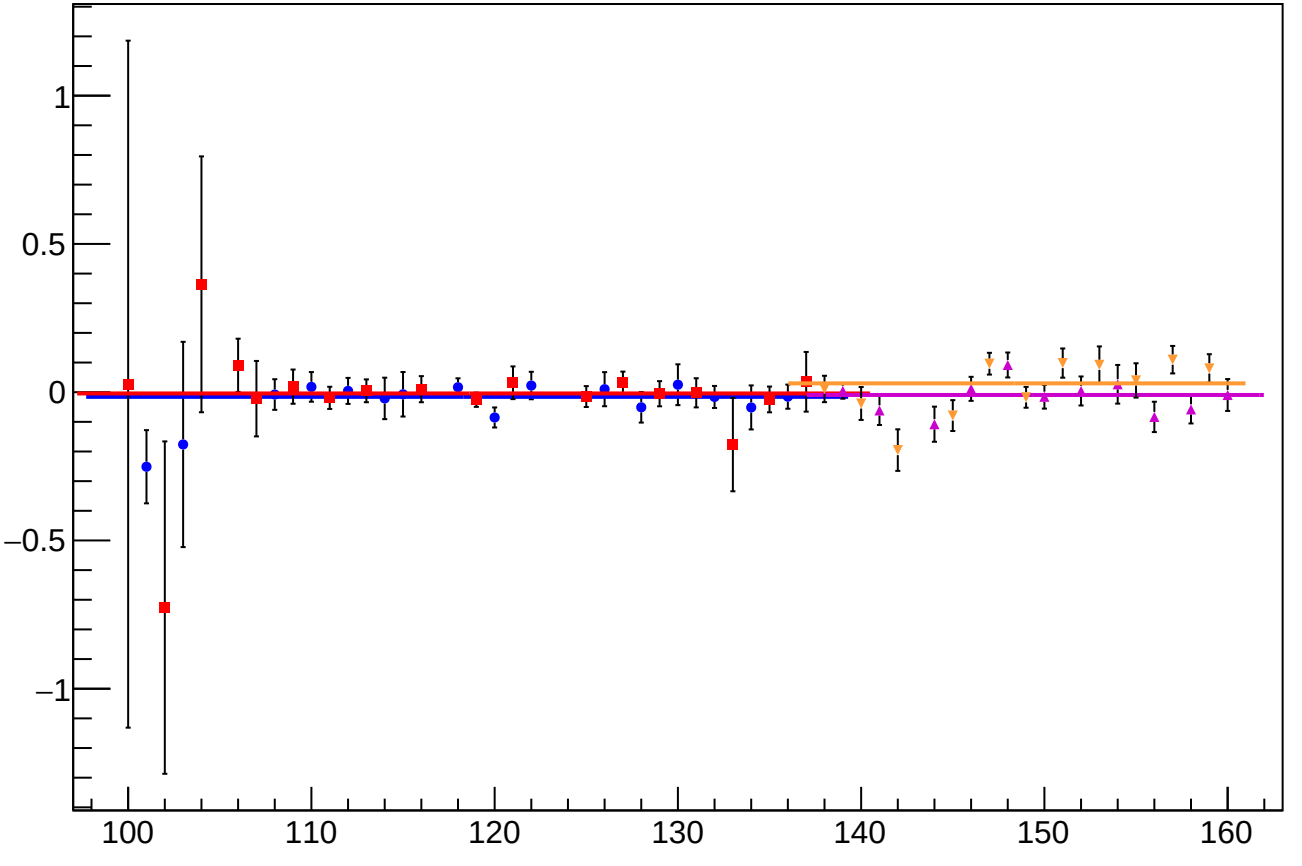
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.312+/-0.006 χ^2/NDF:4288500.2/26

Out: 30.347+/-0.006 χ^2/NDF:4917348.6/28

All: 31.325+/-0.004 χ^2/NDF: 9253761.9/55

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+/-0.013 χ^2/NDF:13.8/10

Left: 0.008+/-0.010 χ^2/NDF: 46.2/21

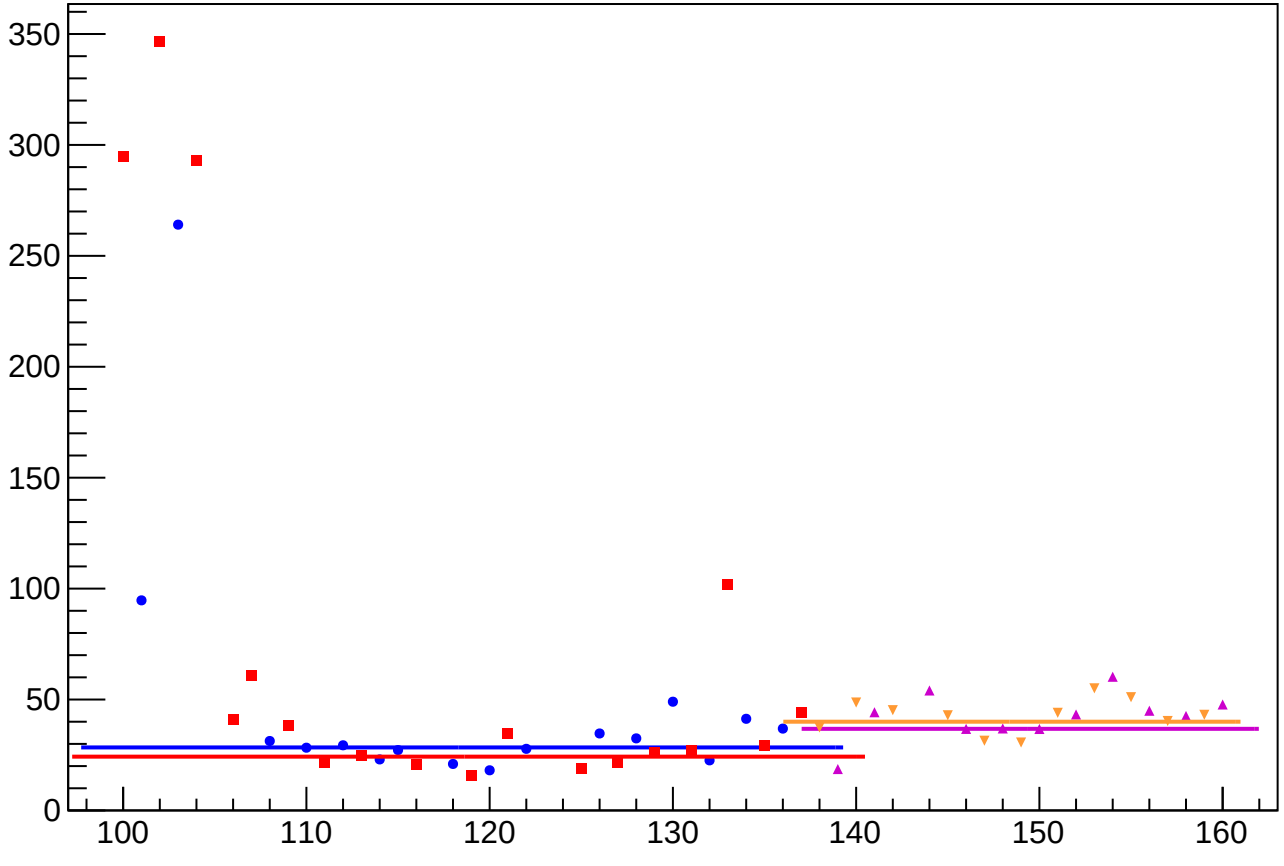
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.009+/-0.009 χ^2/NDF:39.7/28

All: -0.002+/-0.006 χ^2/NDF: 68.4/55

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: 36.792+/-0.009 χ^2/NDF:1611128.7/10

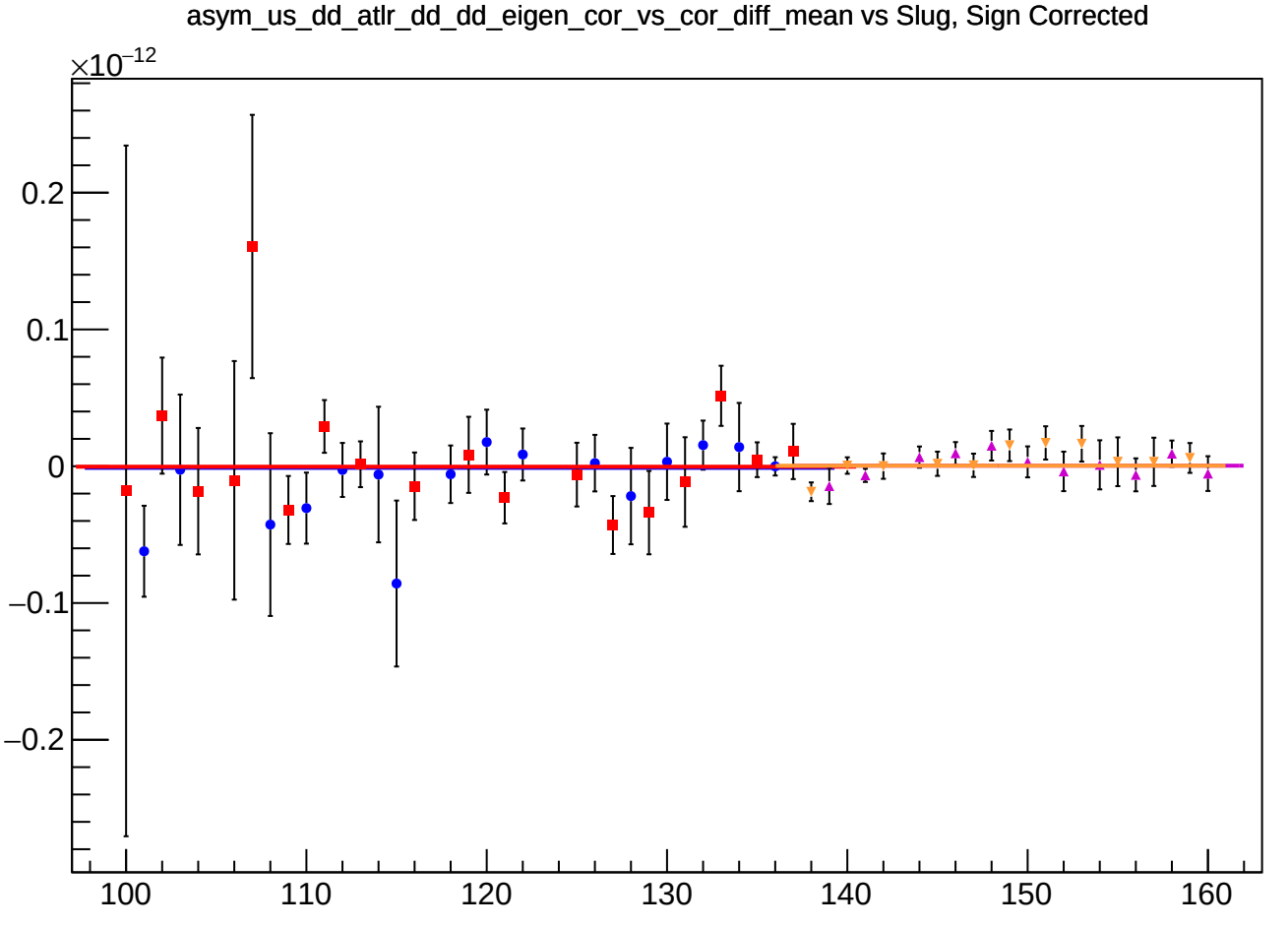
Left: 38.258+/-0.007 χ^2/NDF: 2201510.9/21

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.312+/-0.006 χ^2/NDF:4288500.2/26

Out: 30.347+/-0.006 χ^2/NDF:4917348.6/28

All: 31.325+/-0.004 χ^2/NDF: 9253761.9/55



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:8.6/10

Left: 0.000+/-0.000 χ^2/NDF: 21.8/21

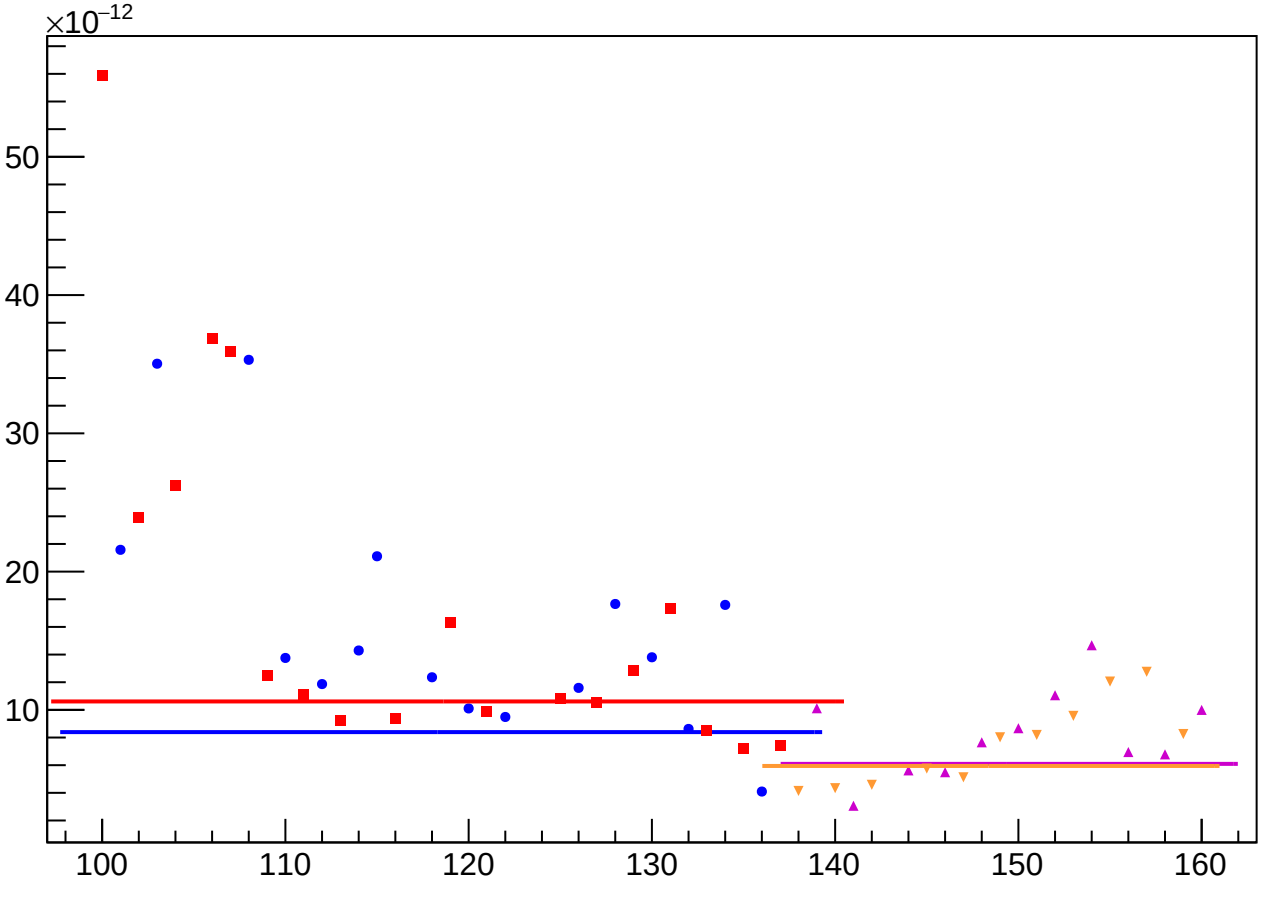
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:18.1/26

Out: 0.000+/-0.000 χ^2/NDF:34.3/28

All: 0.000+/-0.000 χ^2/NDF: 52.4/55

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:2029427.8/10

Left: 0.000+/-0.000 χ^2/NDF: 3286543.6/21

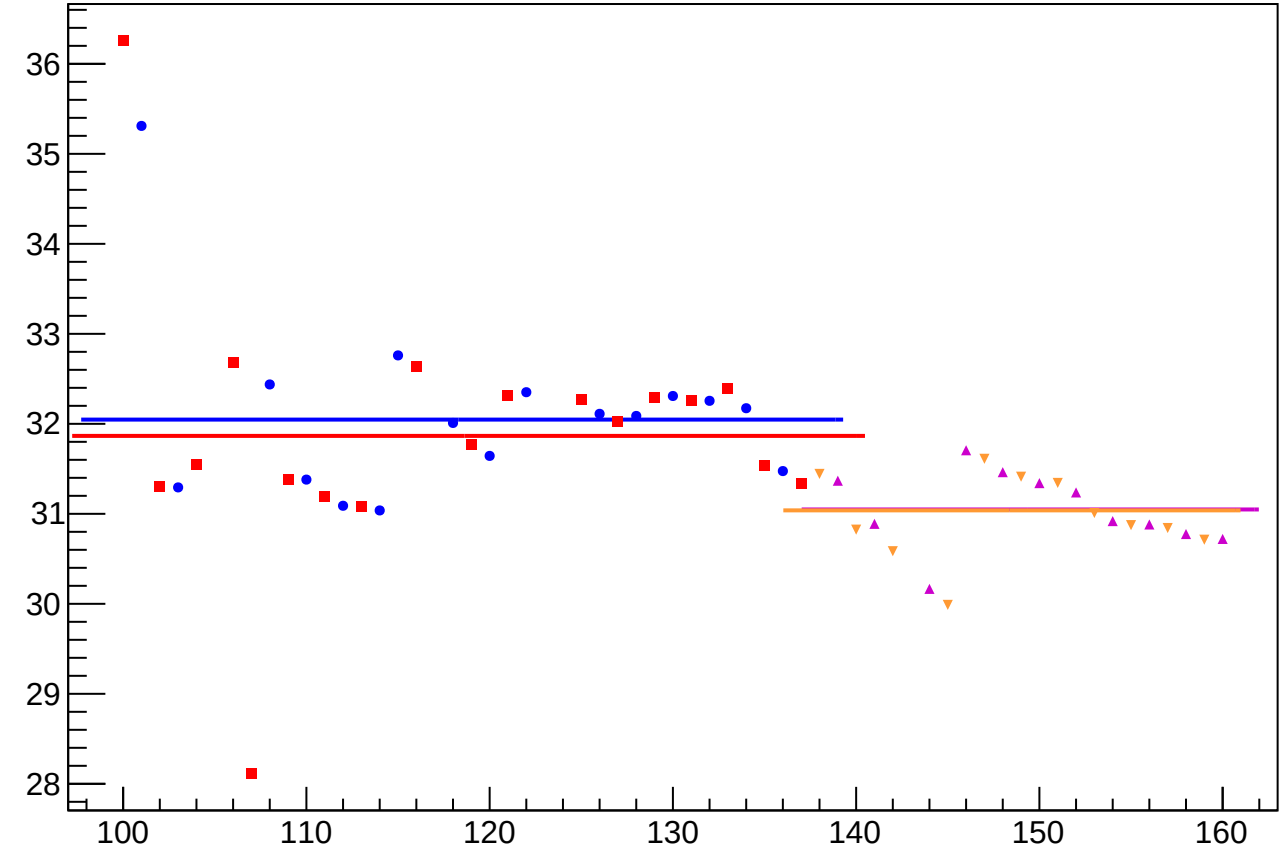
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5084098.7/26

Out: 0.000+/-0.000 χ^2/NDF:3584203.5/28

All: 0.000+/-0.000 χ^2/NDF: 8676533.2/55

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: 31.048+/-0.000 χ^2/NDF:219083416.9/10

Left: 31.044+/-0.000 χ^2/NDF: 433152616.7/21

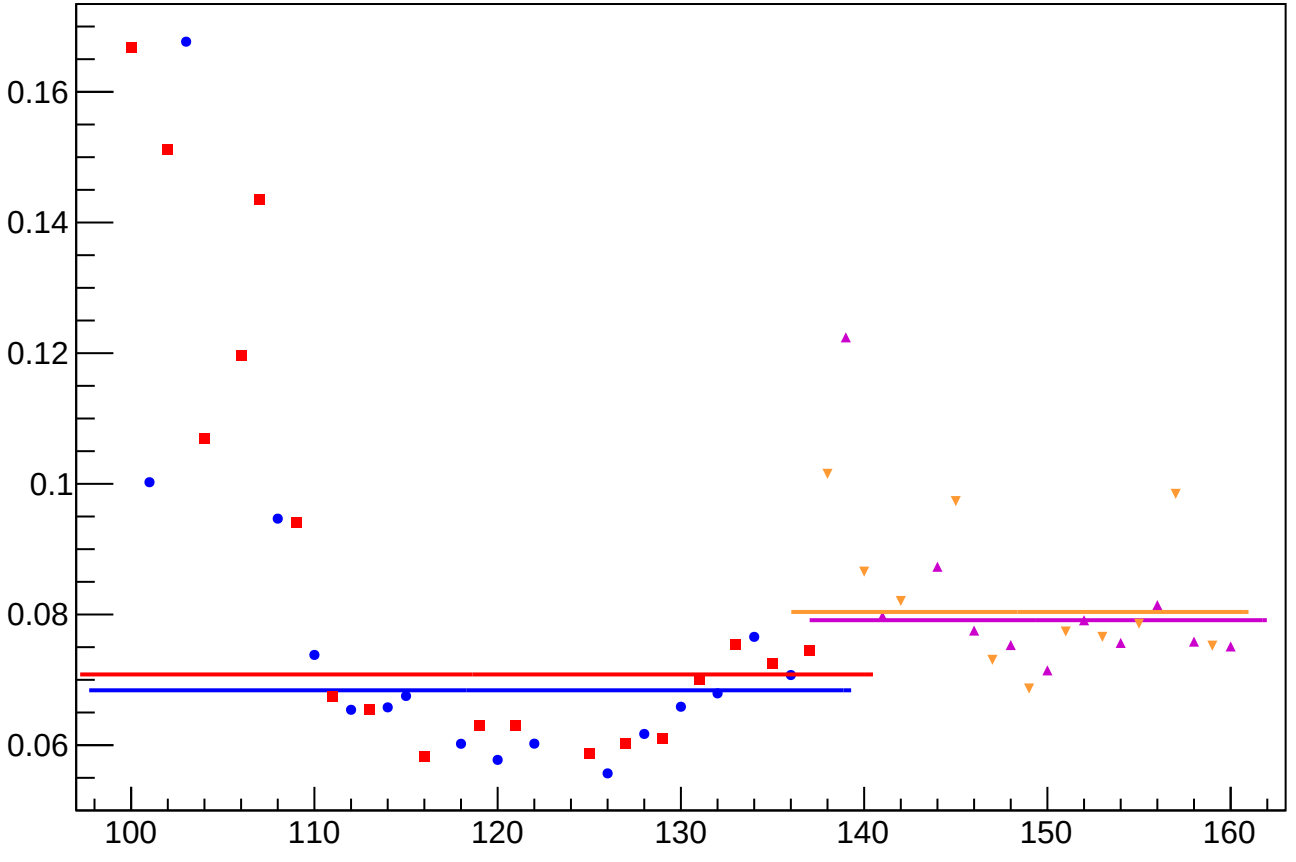
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.544+/-0.000 χ^2/NDF:1789144350.7/26

Out: 31.460+/-0.000 χ^2/NDF:1116359322.3/28

All: 31.505+/-0.000 χ^2/NDF: 2914496682.6/5

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: 0.079+/-0.000 χ^2/NDF:246695.5/10

Left: 0.080+/-0.000 χ^2/NDF: 484246.6/21

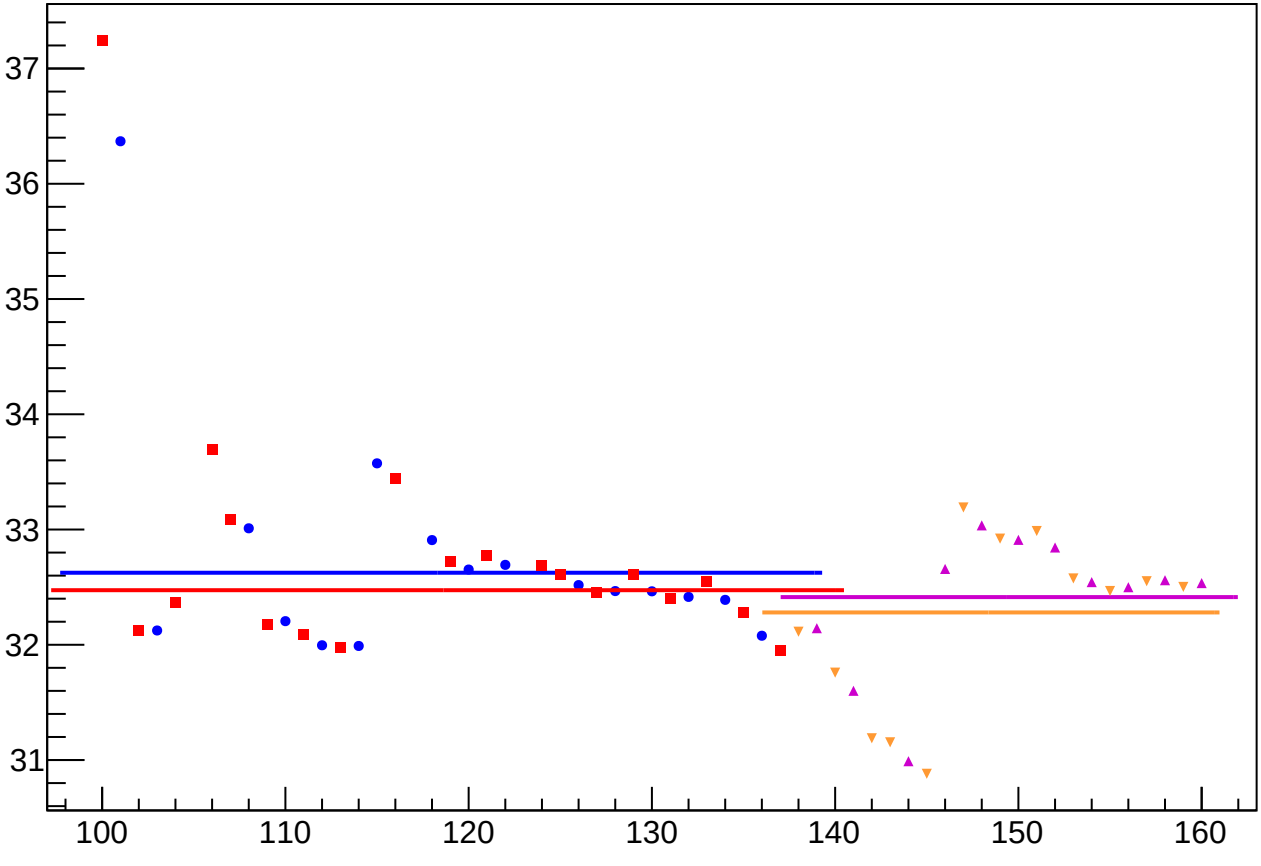
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1104953.5/26

Out: 0.076+/-0.000 χ^2/NDF:1215077.1/28

All: 0.075+/-0.000 χ^2/NDF: 2327526.7/55

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: 32.414+/-0.000 χ^2/NDF:520446798.0/10

Left: 32.348+/-0.000 χ^2/NDF: 1287497425.2/22

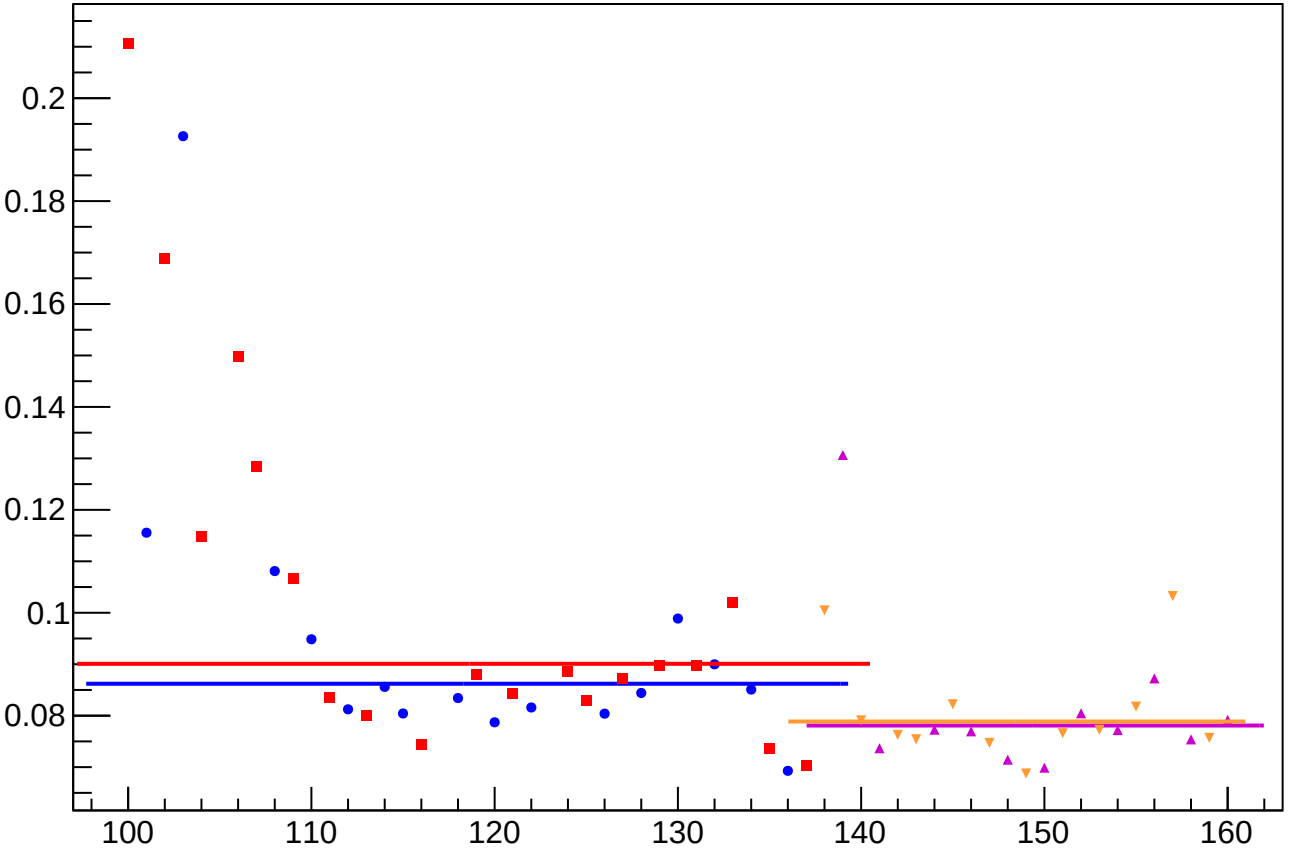
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.493+/-0.000 χ^2/NDF:1283235379.1/26

Out: 32.352+/-0.000 χ^2/NDF:930208651.7/30

All: 32.424+/-0.000 χ^2/NDF: 2235422295.6/5

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:327077.2/10

Left: 0.078+/-0.000 χ^2/NDF: 522528.9/22

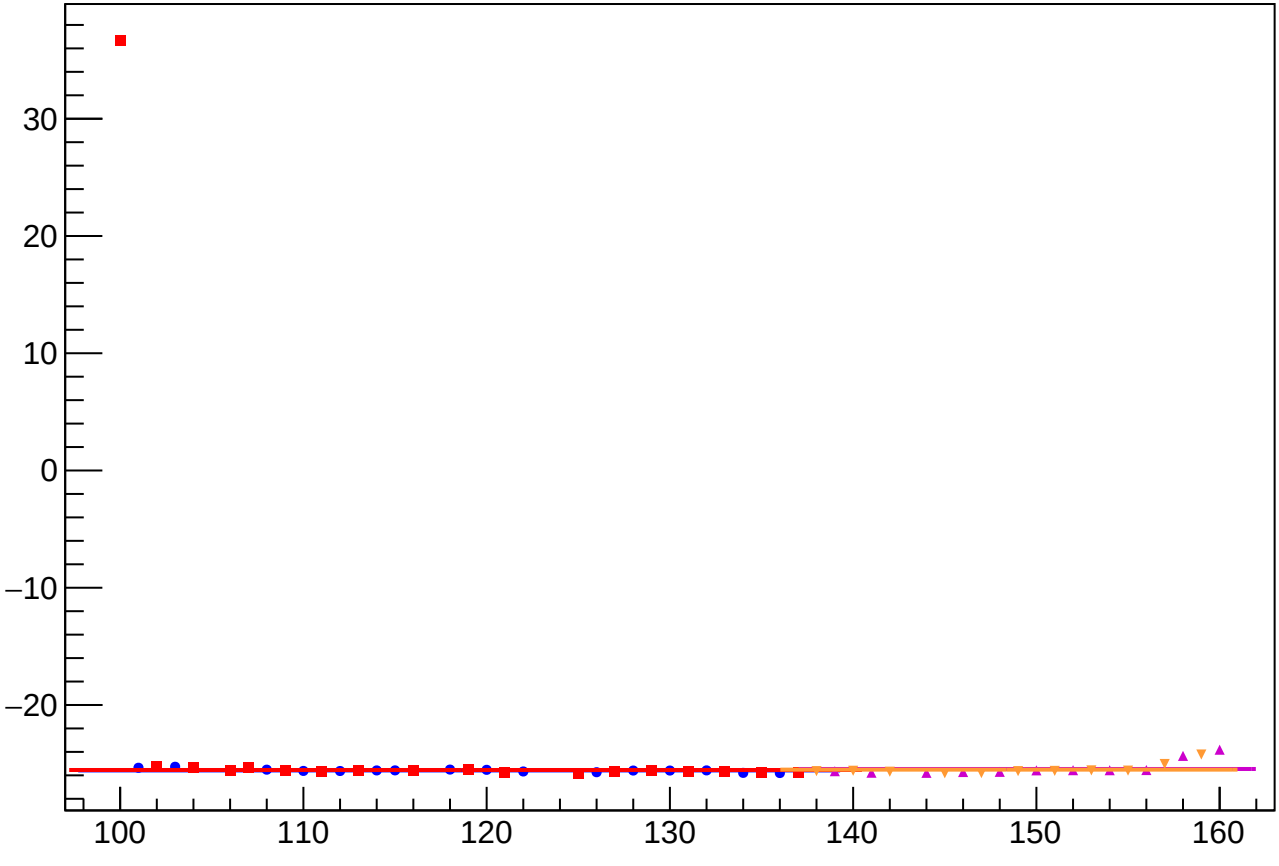
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:995609.4/26

Out: 0.083+/-0.000 χ^2/NDF:942793.7/30

All: 0.082+/-0.000 χ^2/NDF: 1946186.8/57

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: -25.457+/-0.000 χ^2/NDF:1386578453.7/10

Left: -25.484+/-0.000 χ^2/NDF: 2097487708.8/21

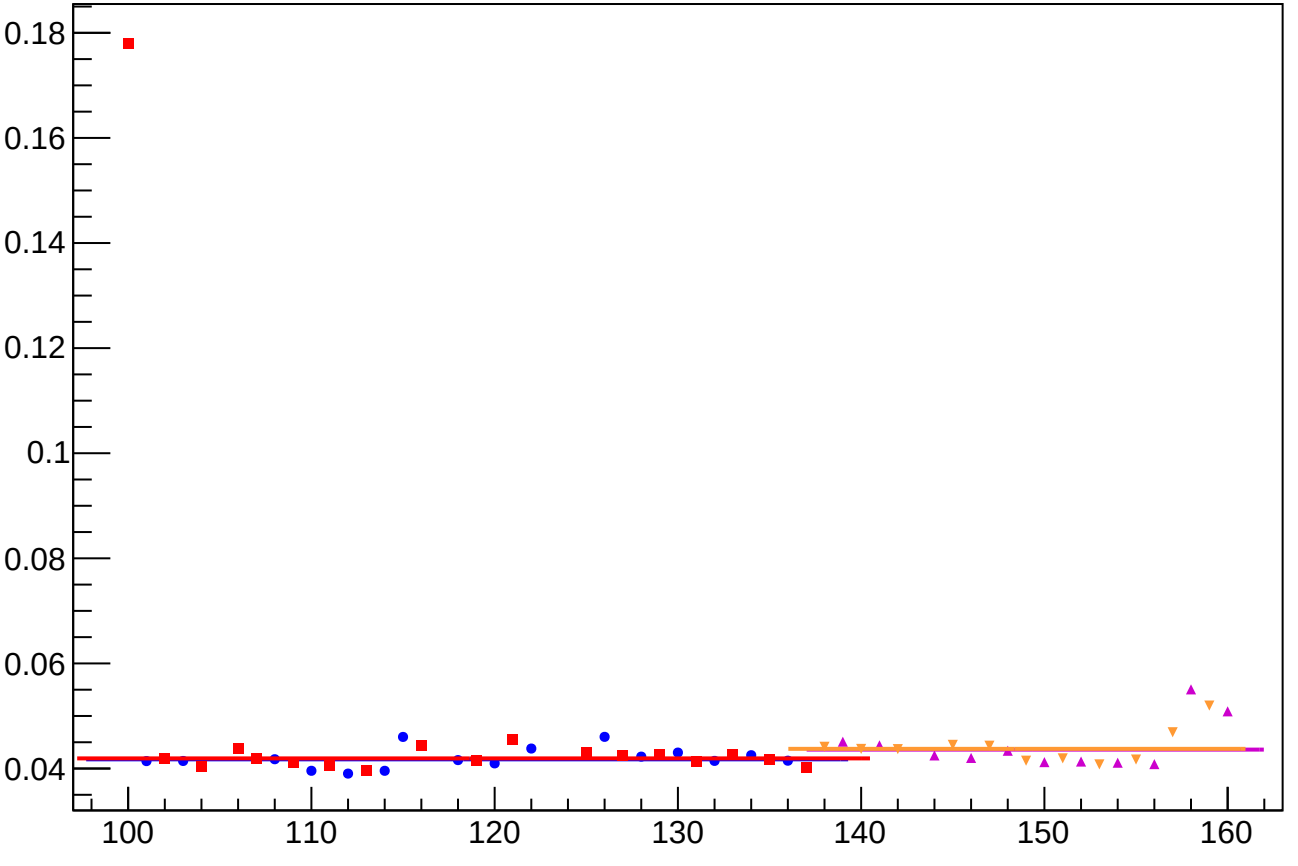
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.513+/-0.000 χ^2/NDF:1518042958.7/26

Out: -25.528+/-0.000 χ^2/NDF:9613301895.2/28

All: -25.520+/-0.000 χ^2/NDF: 11132318850.6

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: 0.044+/-0.000 χ^2/NDF:137879.8/10

Left: 0.044+/-0.000 χ^2/NDF: 207960.3/21

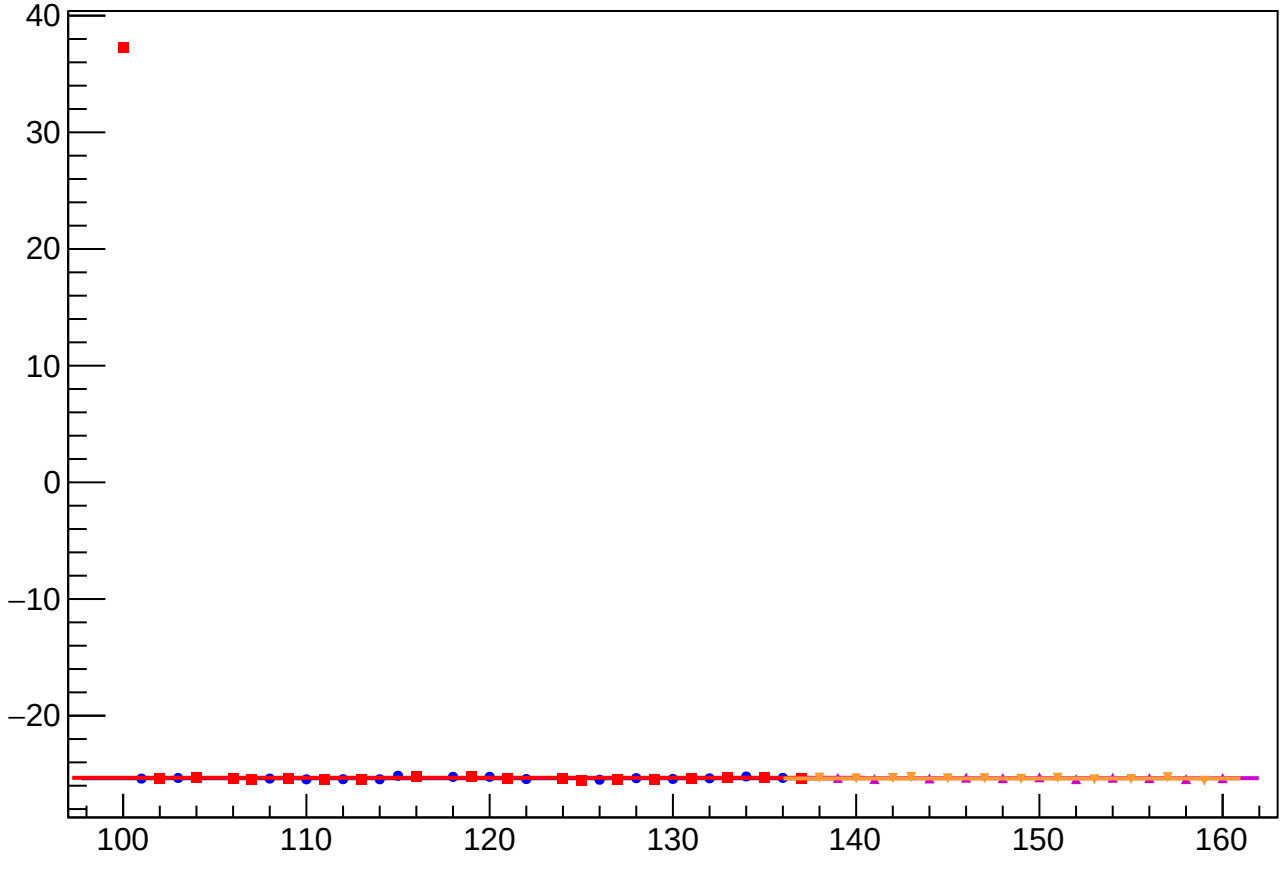
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:173985.5/26

Out: 0.043+/-0.000 χ^2/NDF:184272.7/28

All: 0.043+/-0.000 χ^2/NDF: 358377.6/55

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:7930465.8/10

Left: -25.366+/-0.000 χ^2/NDF: 30825119.7/22

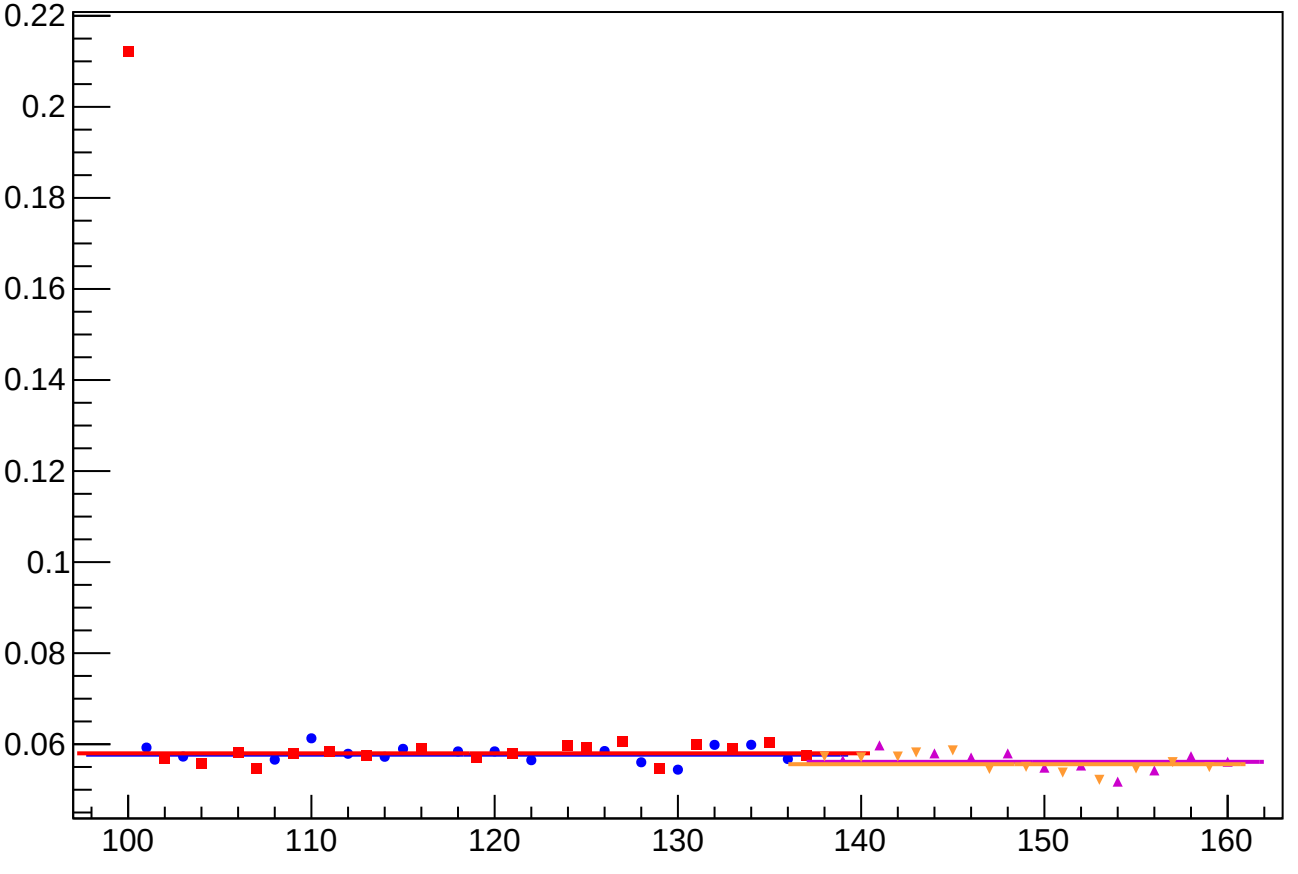
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.356+/-0.000 χ^2/NDF:21269764.4/26

Out: -25.355+/-0.000 χ^2/NDF:6340818358.4/30

All: -25.355+/-0.000 χ^2/NDF: 6362096612.0/

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:26188.9/10

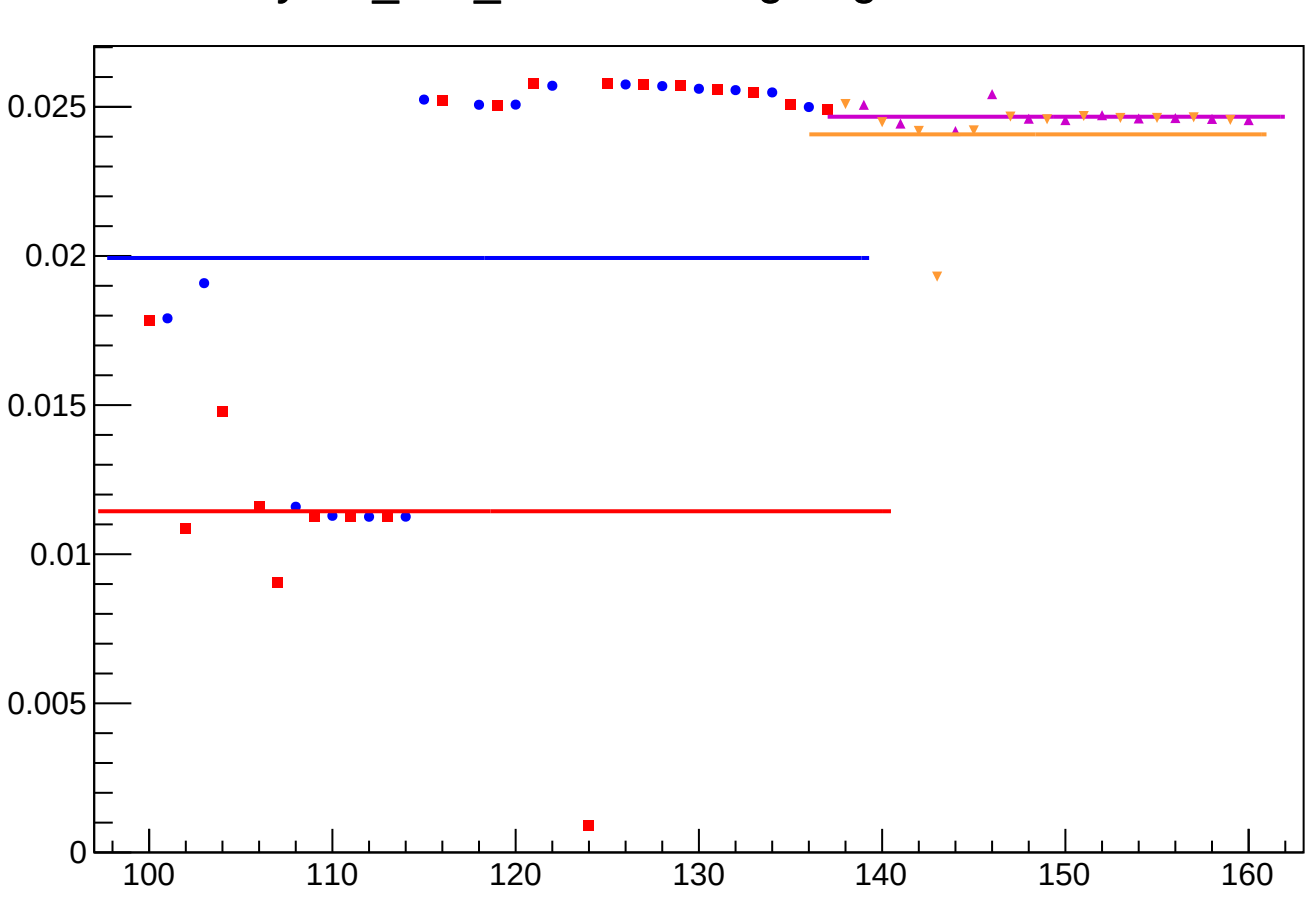
Left: 0.056+/-0.000 χ^2/NDF: 47822.0/22

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:43995.5/26

Out: 0.057+/-0.000 χ^2/NDF:123735.5/30

All: 0.057+/-0.000 χ^2/NDF: 167884.0/57



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:158631104.5/10

Left: 0.024+/-0.000 χ^2/NDF: 5062914076.4/22

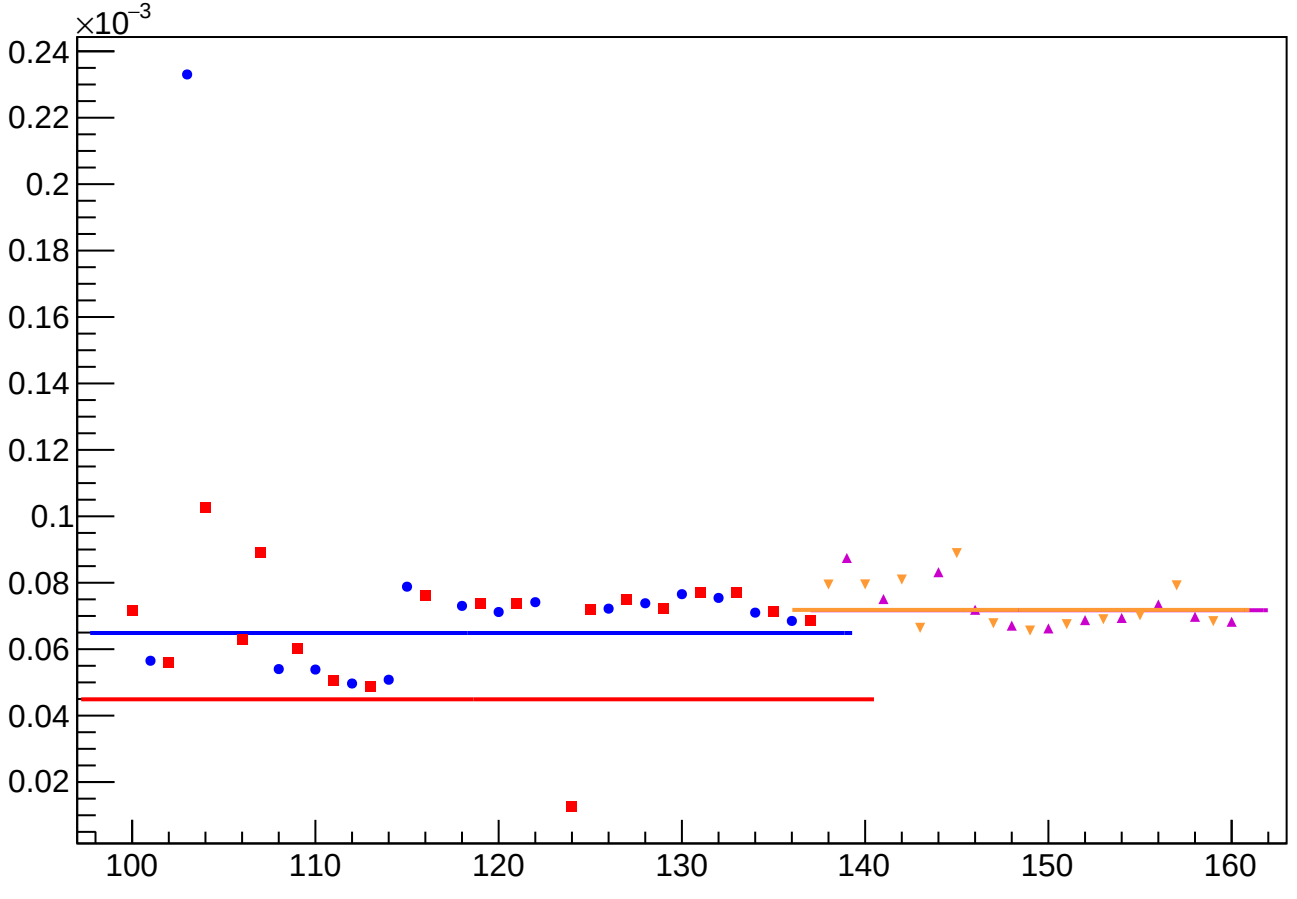
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:81372424577.0/26

Out: 0.017+/-0.000 χ^2/NDF:425260400286.8/30

All: 0.019+/-0.000 χ^2/NDF: 570119980800.2

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:156142.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:120253.2/10

Left: 0.000+/-0.000 χ^2/NDF: 276413.7/22

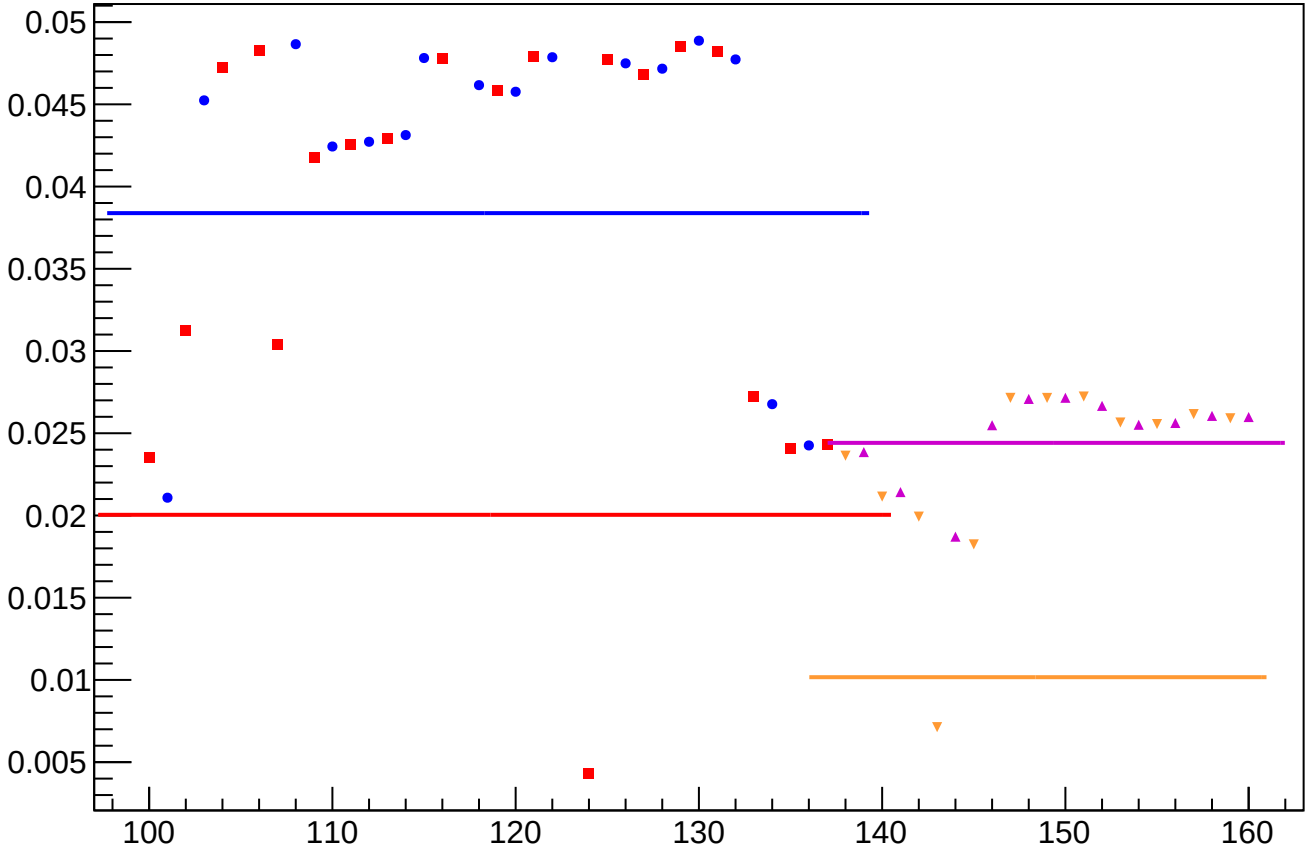
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015651.9/26

Out: 0.000+/-0.000 χ^2/NDF:5440252.6/30

All: 0.000+/-0.000 χ^2/NDF: 7045122.8/57

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:904145100.9/10

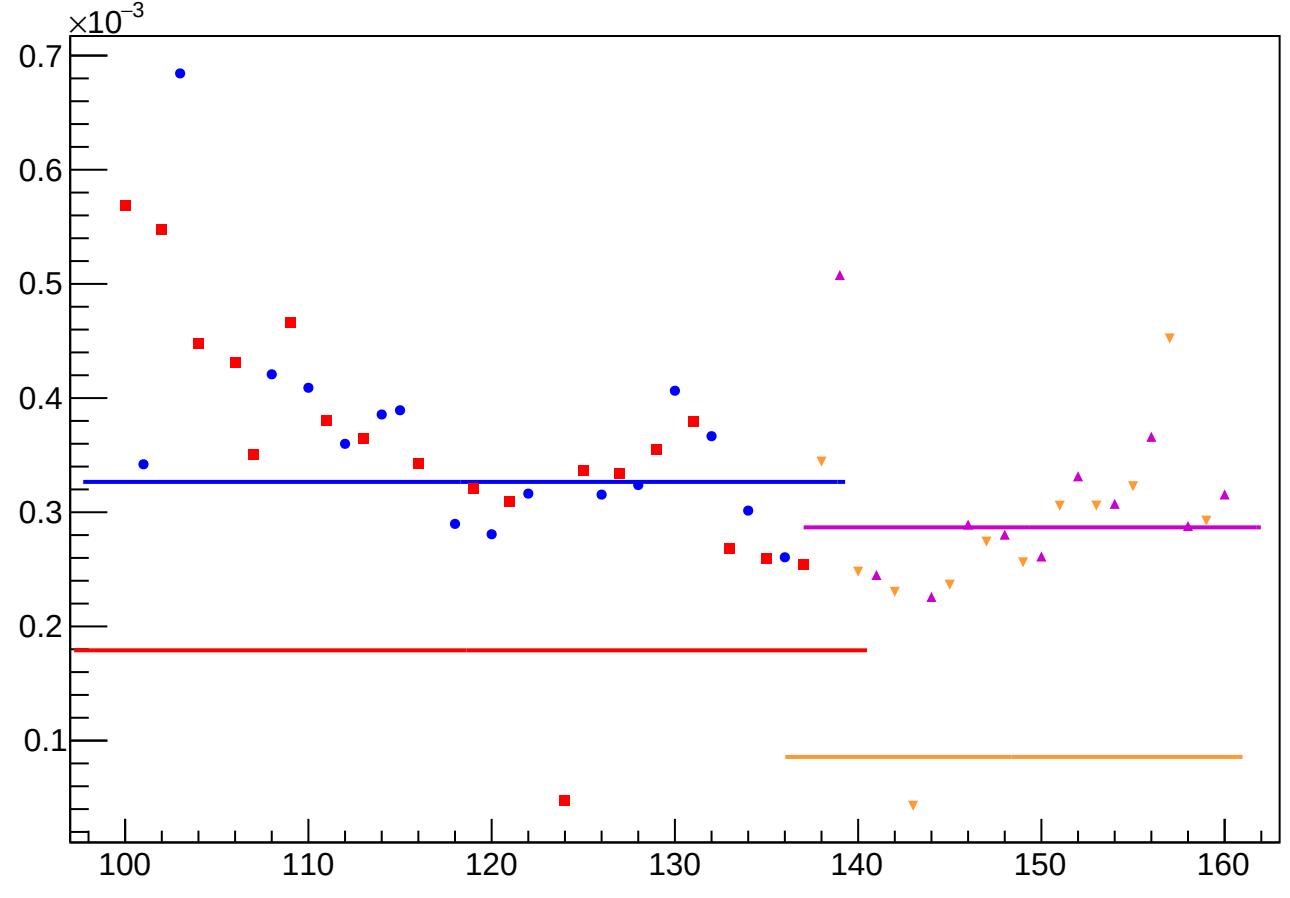
Left: 0.012+/-0.000 χ^2/NDF: 41755802689.9/22

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:15291457833.0/26

Out: 0.012+/-0.000 χ^2/NDF:75351899388.1/30

All: 0.015+/-0.000 χ^2/NDF: 130369538024.5



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:598372.5/10

Left: 0.000+/-0.000 χ^2/NDF: 16825636.5/22

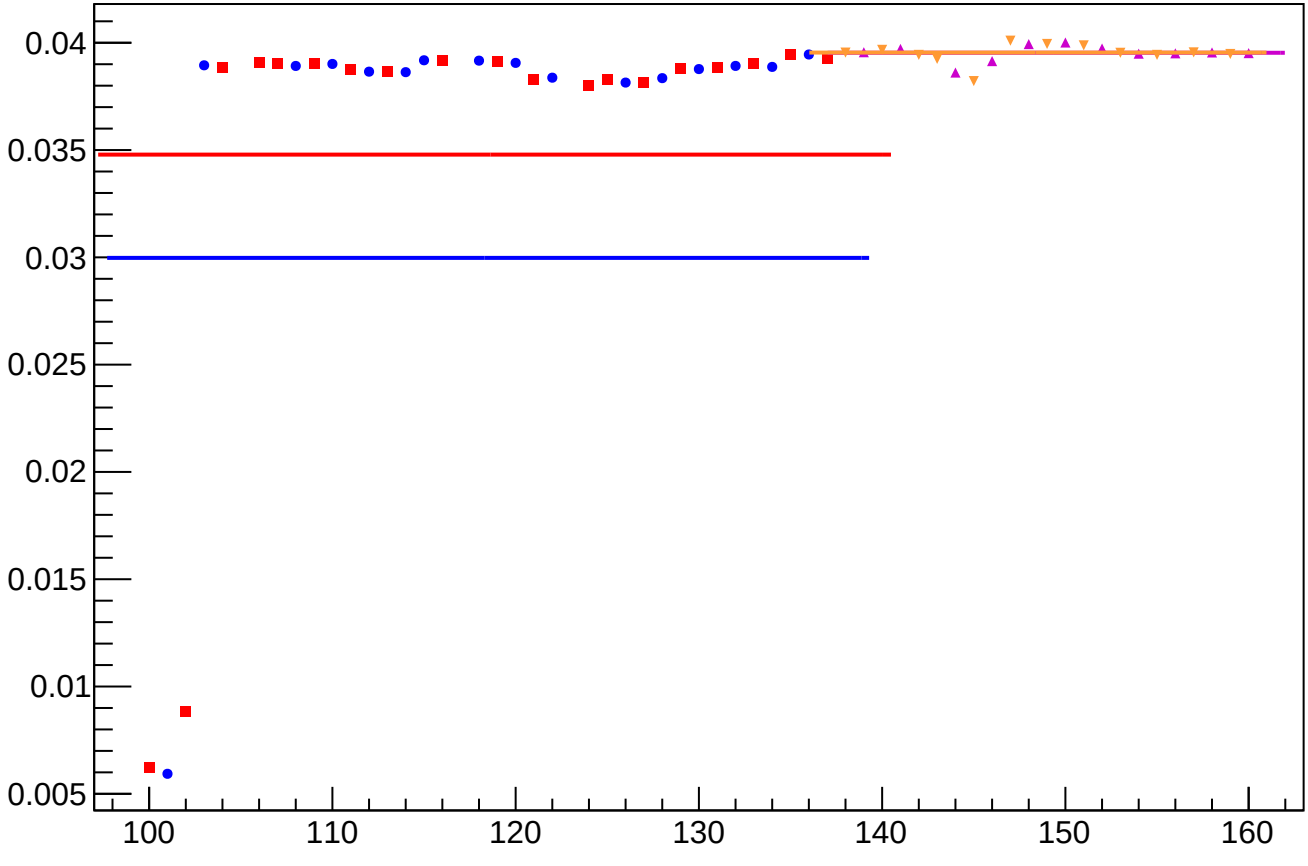
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1298558.2/26

Out: 0.000+/-0.000 χ^2/NDF:16704152.8/30

All: 0.000+/-0.000 χ^2/NDF: 28159423.9/57

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:93084165.6/11

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65860157.7/10

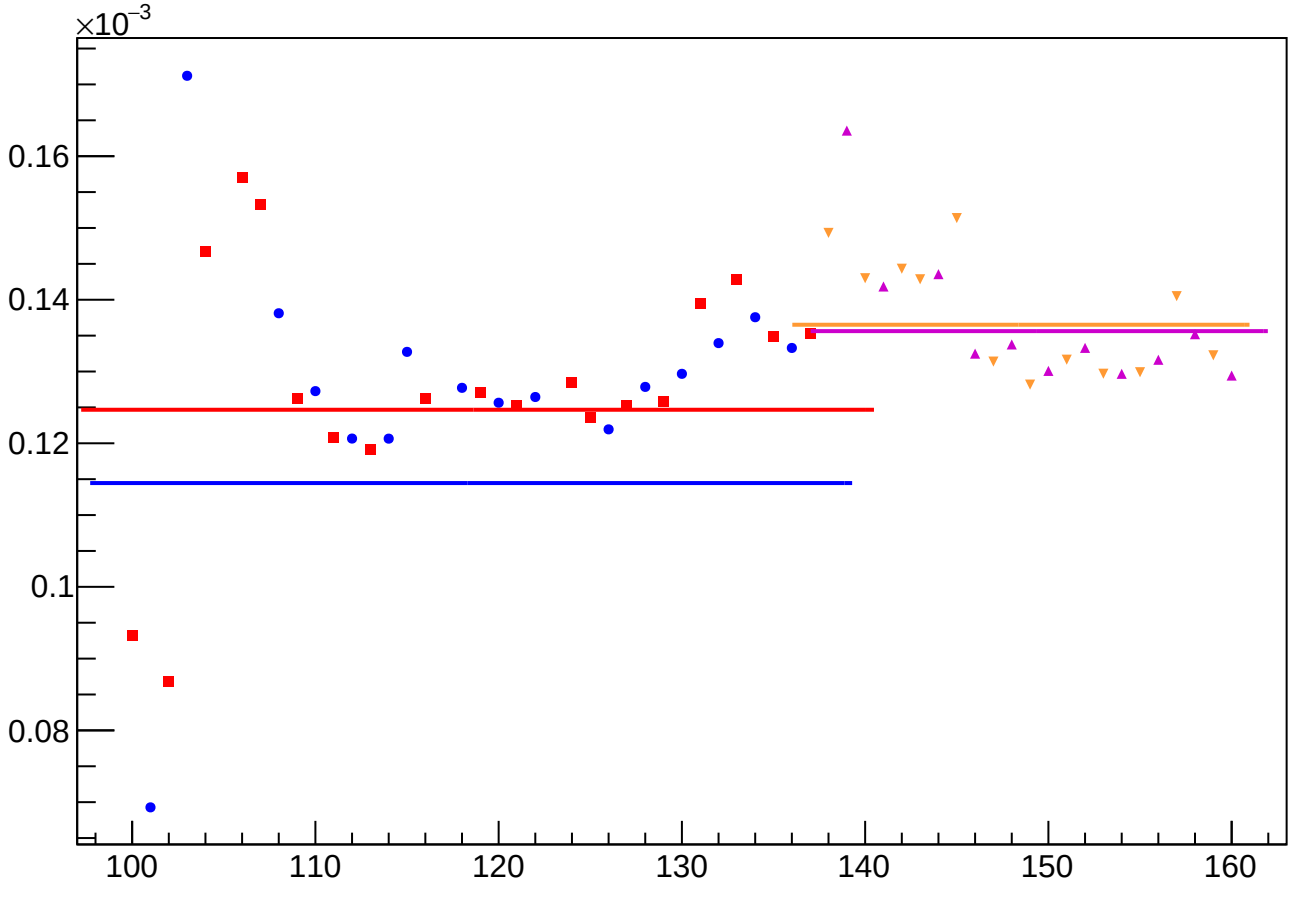
Left: 0.040+/-0.000 χ^2/NDF: 158967890.6/22

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:131424835625.4/26

Out: 0.037+/-0.000 χ^2/NDF:52657515635.4/30

All: 0.036+/-0.000 χ^2/NDF: 187253321213.3



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:58315.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:70561.5/10

Left: 0.000+/-0.000 χ^2/NDF: 129271.7/22

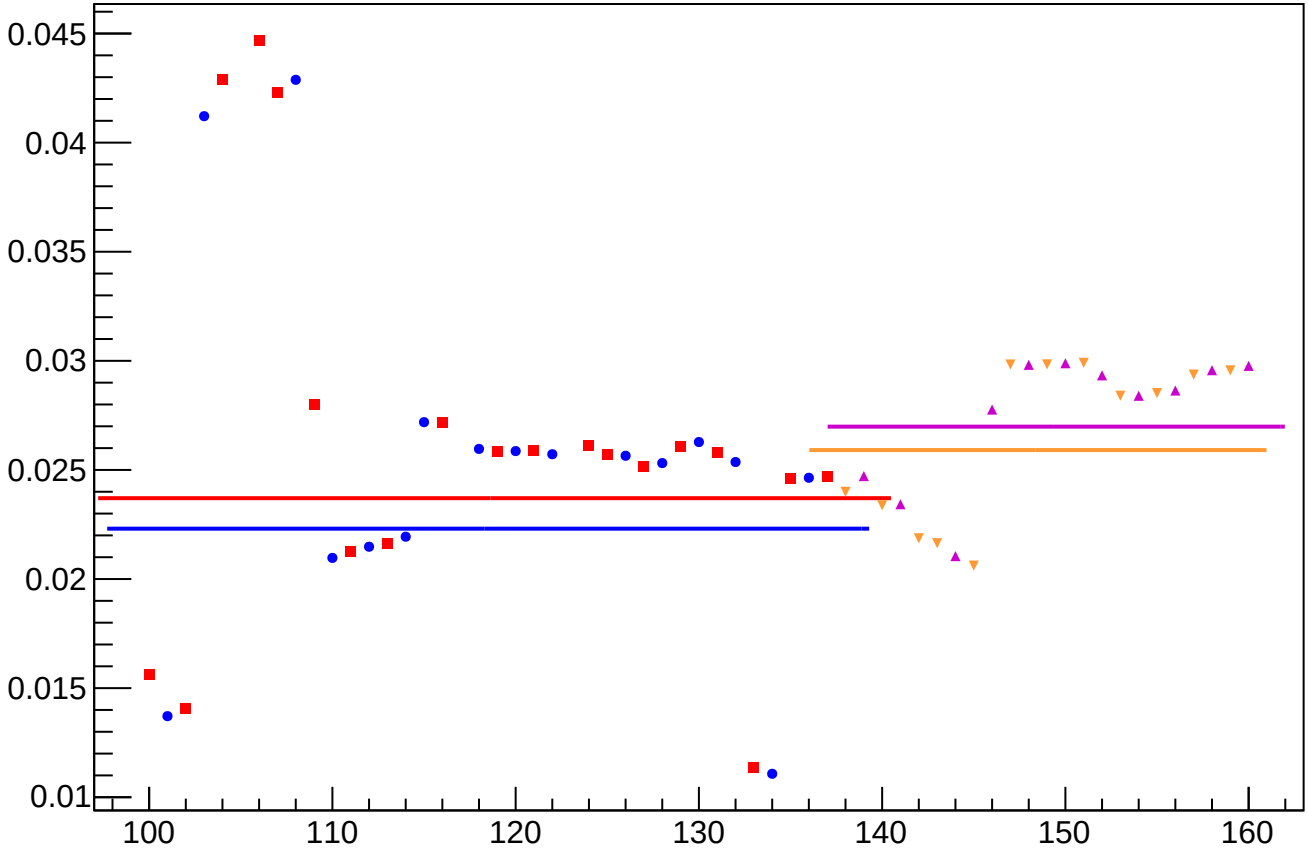
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1150153.1/26

Out: 0.000+/-0.000 χ^2/NDF:384488.8/30

All: 0.000+/-0.000 χ^2/NDF: 1568504.6/57

yield_atr2_mean vs Slug, Sign Corrected



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:1190615623.4/10

Left: 0.026+/-0.000 χ^2/NDF: 2878204941.0/22

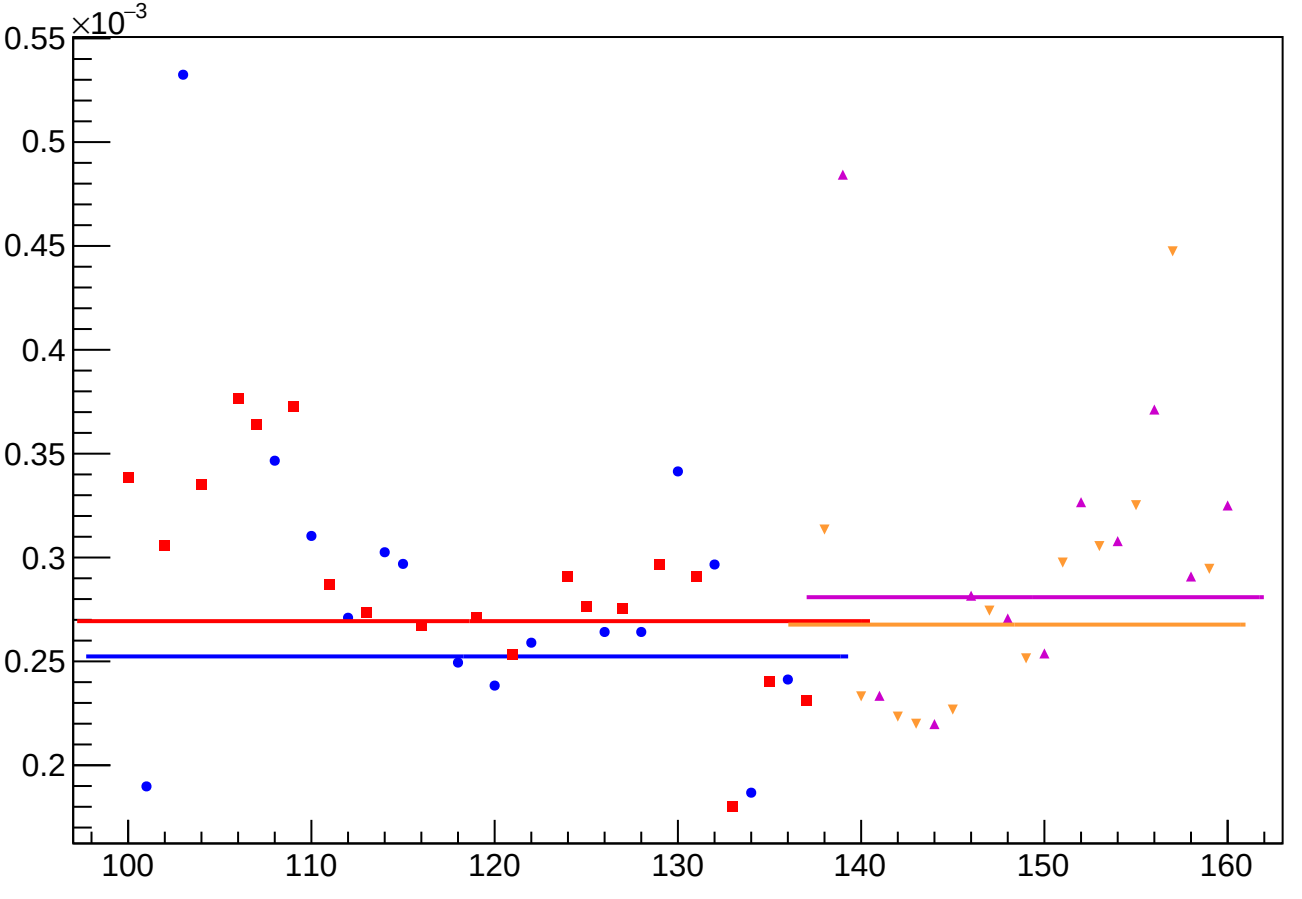
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7321336657.9/26

Out: 0.025+/-0.000 χ^2/NDF:7449161028.8/30

All: 0.025+/-0.000 χ^2/NDF: 14774550563.7/5

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:657626.3/10

Left: 0.000+/-0.000 χ^2/NDF: 1194769.0/22

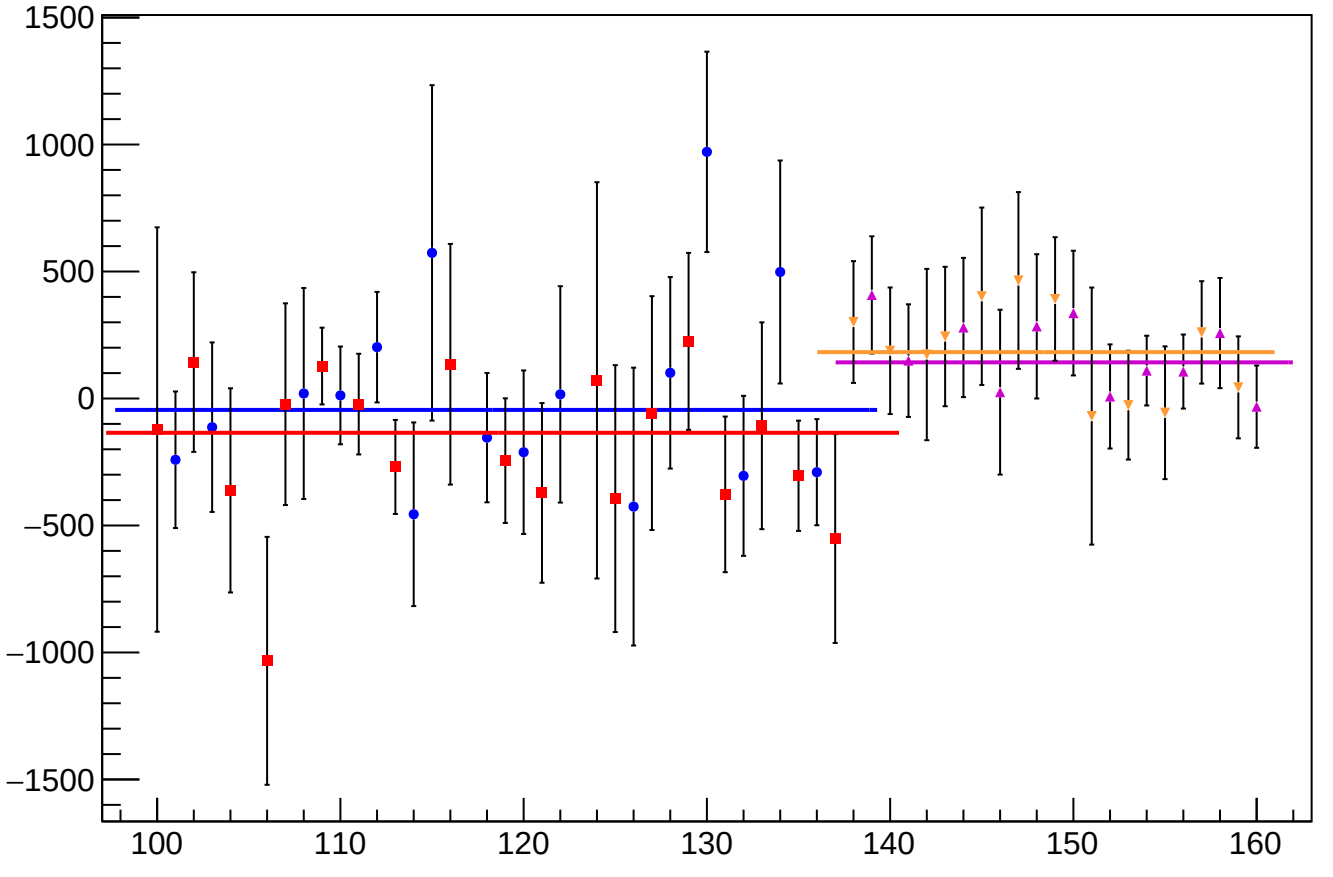
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1448661.7/26

Out: 0.000+/-0.000 χ^2/NDF:964556.1/30

All: 0.000+/-0.000 χ^2/NDF: 2413507.6/57

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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: 142.322+/-60.395 χ^2/NDF:4.6/10

Left: 158.202+/-46.993 χ^2/NDF: 9.5/22

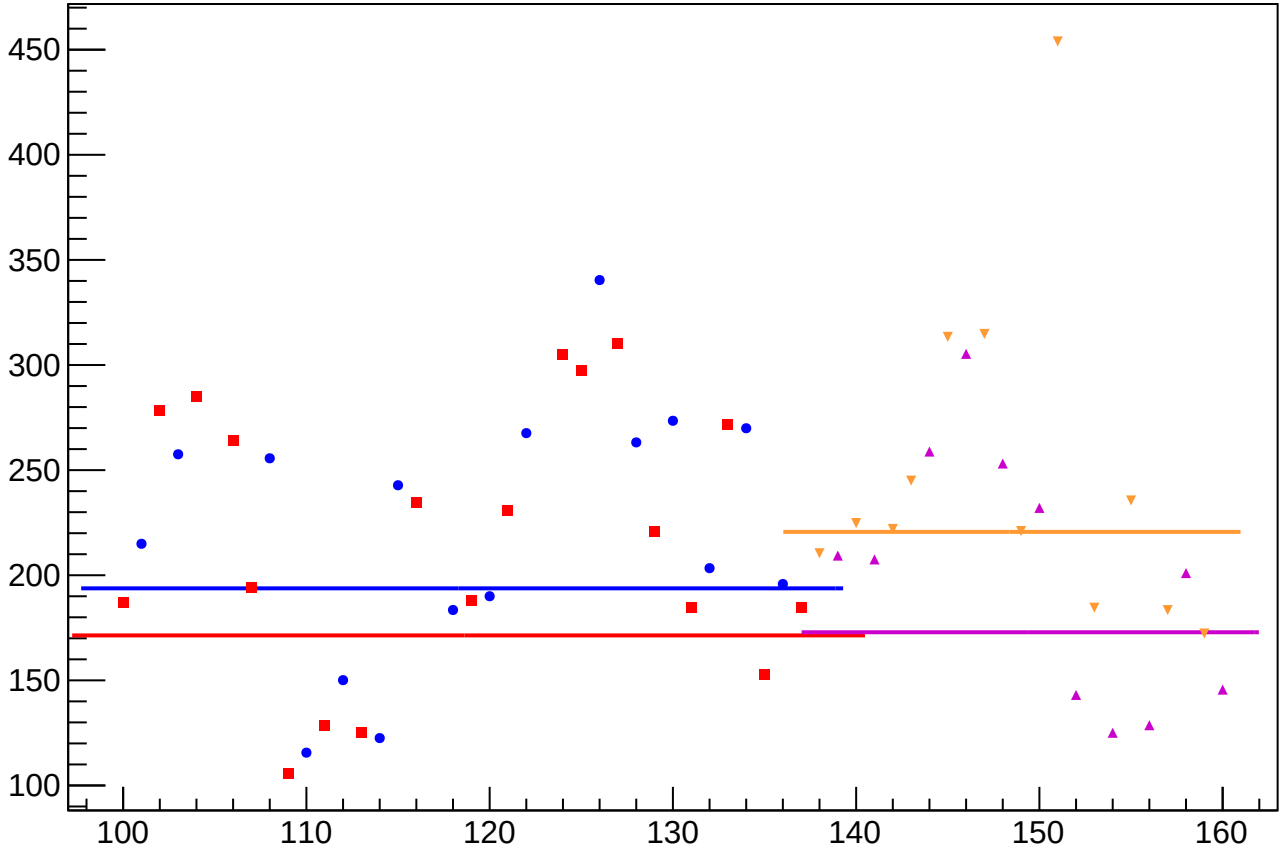
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 70.080+/-47.331 χ^2/NDF:23.7/26

Out: 8.813+/-50.345 χ^2/NDF:27.5/30

All: 41.335+/-34.484 χ^2/NDF: 52.1/57

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: 172.884+/-0.043 χ^2/NDF:1463649.1/10

Left: 191.721+/-0.033 χ^2/NDF: 2936602.1/22

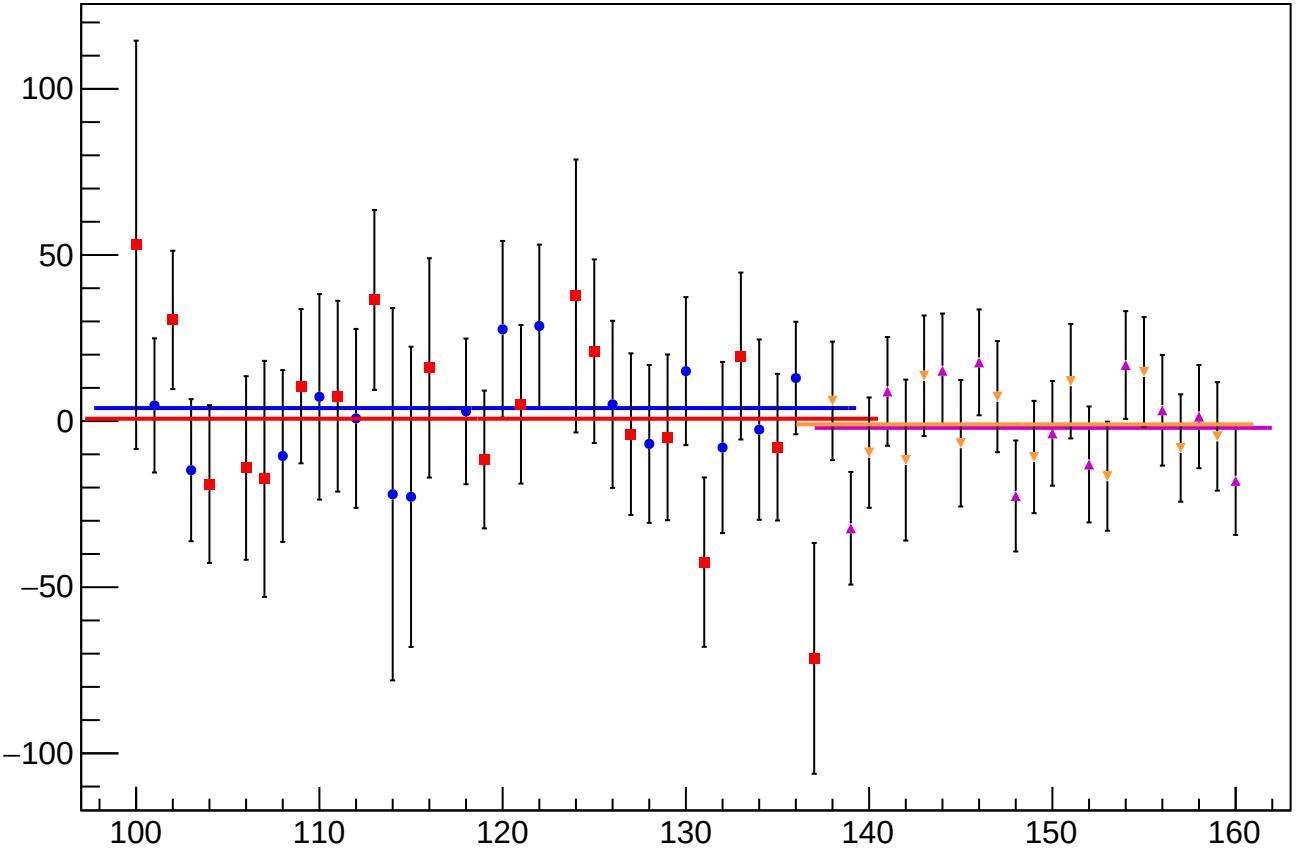
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 180.942+/-0.033 χ^2/NDF:2604009.5/26

Out: 193.683+/-0.036 χ^2/NDF:3112040.2/30

All: 186.919+/-0.024 χ^2/NDF: 5784044.3/57

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: -2.029+/-4.954 χ^2/NDF:10.5/10

Left: -1.508+/-3.526 χ^2/NDF: 15.1/22

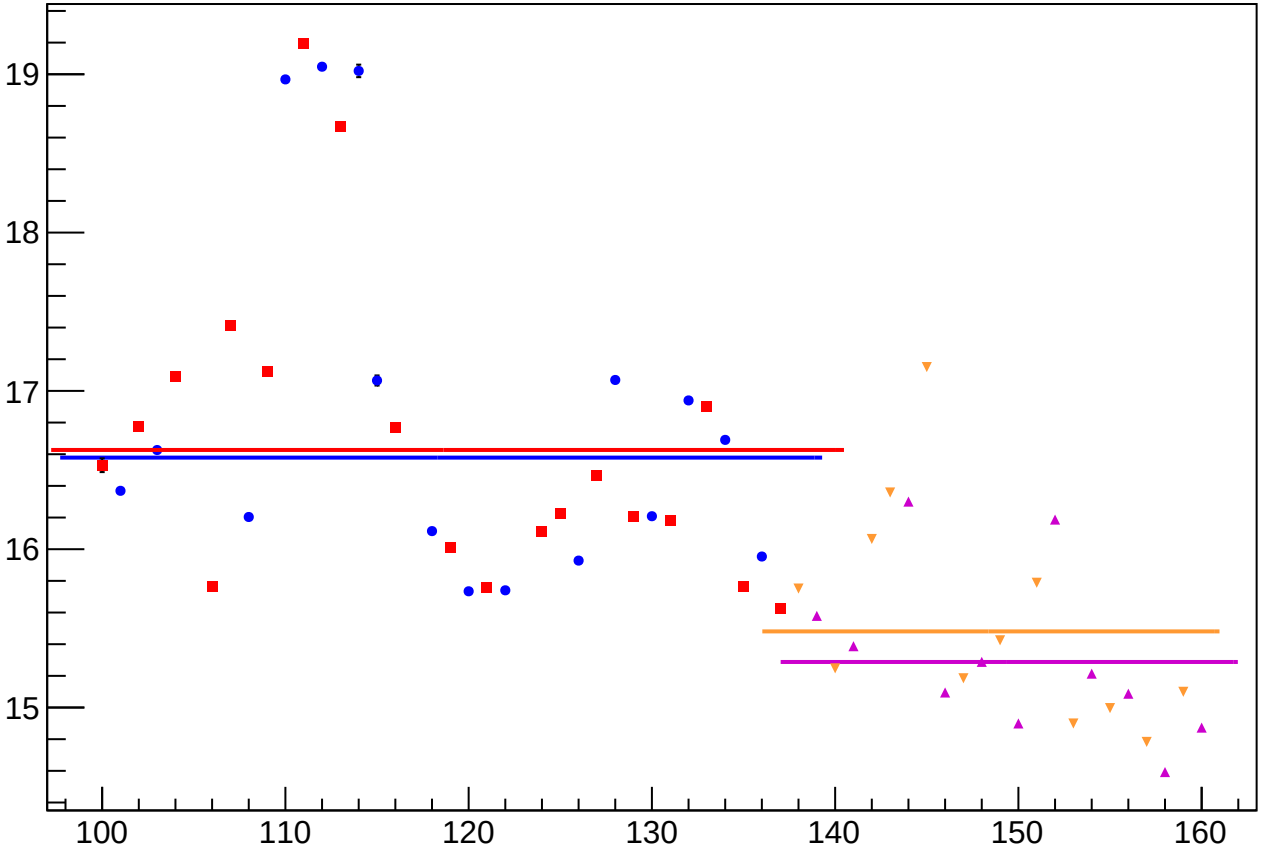
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.303+/-3.863 χ^2/NDF:15.6/26

Out: -0.289+/-3.870 χ^2/NDF:20.5/30

All: 0.008+/-2.734 χ^2/NDF: 36.1/57

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: 15.288+/-0.004 χ^2/NDF:20051.0/10

Left: 15.383+/-0.002 χ^2/NDF: 53953.8/22

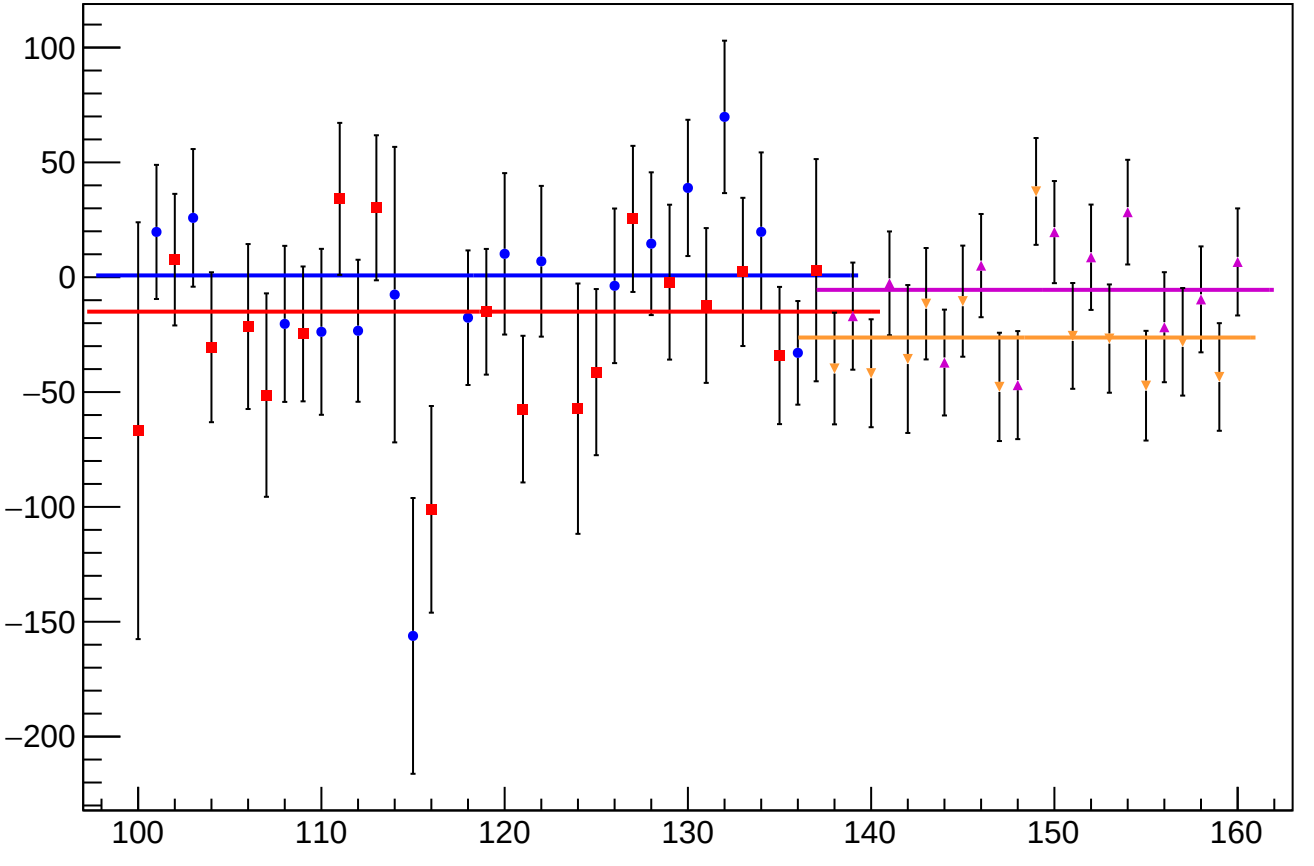
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.794+/-0.003 χ^2/NDF:117839.0/26

Out: 15.946+/-0.003 χ^2/NDF:118144.7/30

All: 15.870+/-0.002 χ^2/NDF: 237532.8/57

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: -5.492+/-6.937 χ^2/NDF:10.1/10

Left: -15.827+/-4.916 χ^2/NDF: 25.8/22

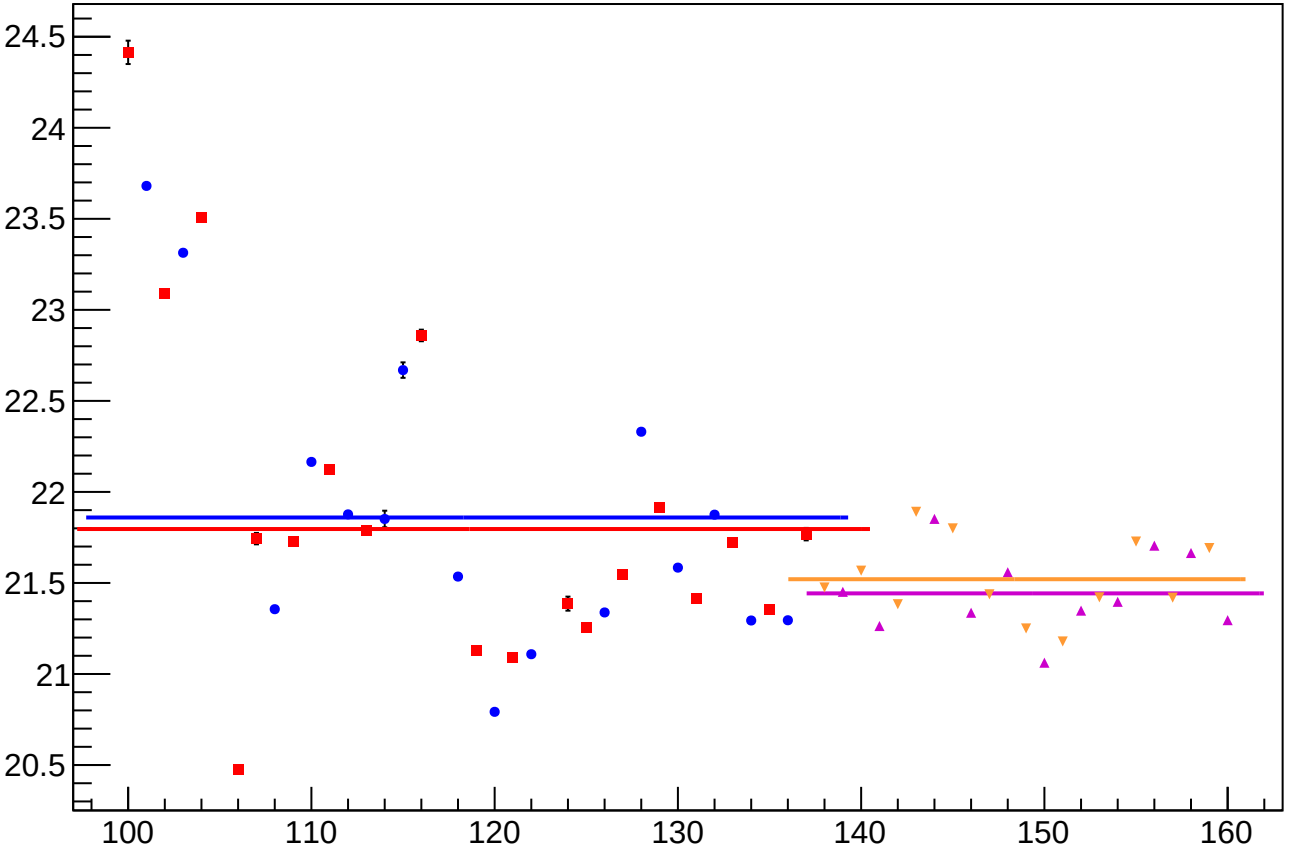
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -2.843+/-5.276 χ^2/NDF:29.1/26

Out: -21.358+/-5.240 χ^2/NDF:27.8/30

All: -12.162+/-3.718 χ^2/NDF: 63.1/57

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: 21.443+/-0.005 χ^2/NDF:1983.1/10

Left: 21.481+/-0.003 χ^2/NDF: 3957.5/22

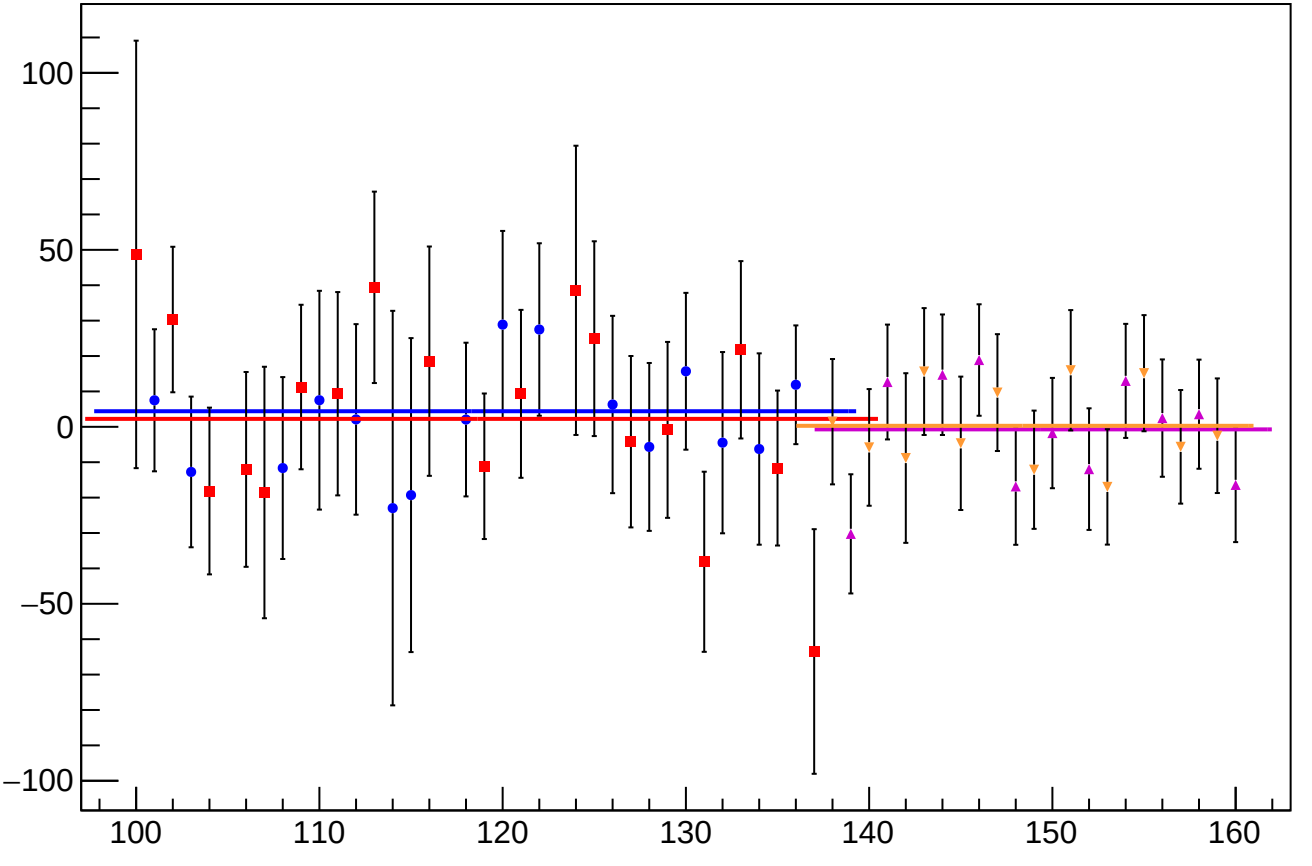
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.618+/-0.004 χ^2/NDF:24495.4/26

Out: 21.640+/-0.004 χ^2/NDF:22070.2/30

All: 21.629+/-0.003 χ^2/NDF: 46582.8/57

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: -0.724+/-4.908 χ^2/NDF:9.3/10

Left: -0.226+/-3.493 χ^2/NDF: 14.2/22

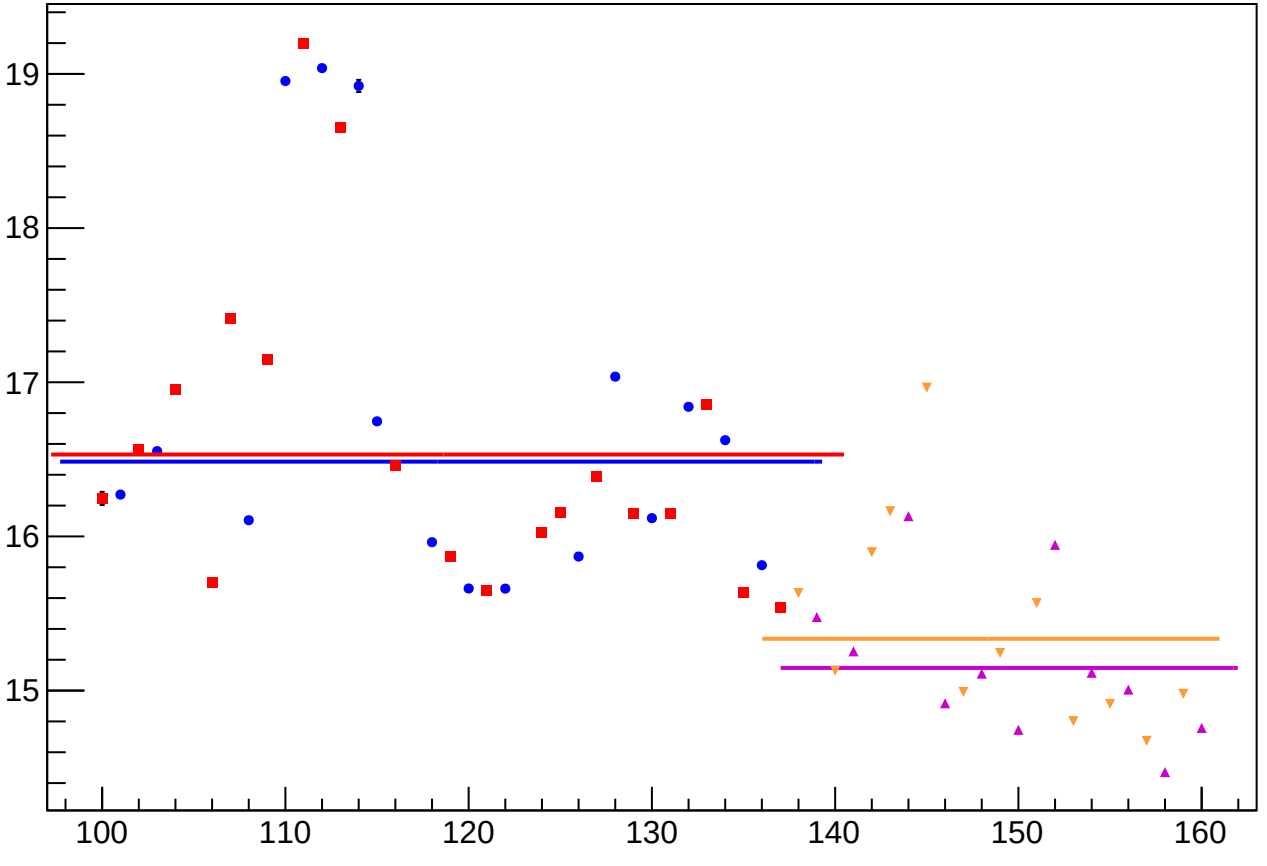
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.276+/-3.833 χ^2/NDF:14.0/26

Out: 1.077+/-3.840 χ^2/NDF:20.4/30

All: 1.177+/-2.713 χ^2/NDF: 34.4/57

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: 15.147+/-0.003 χ^2/NDF:18778.2/10

Left: 15.240+/-0.002 χ^2/NDF: 50588.1/22

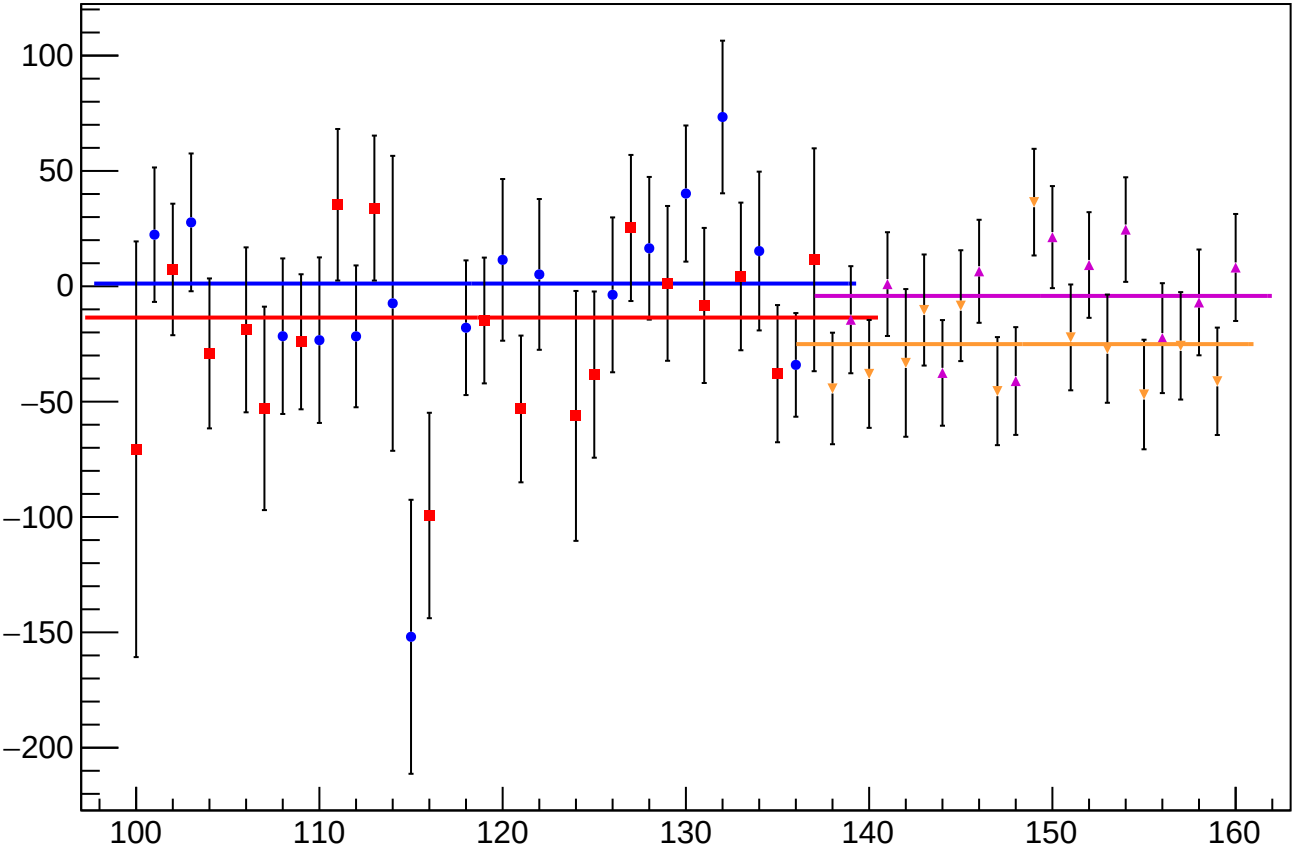
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.669+/-0.003 χ^2/NDF:123954.7/26

Out: 15.819+/-0.003 χ^2/NDF:123452.9/30

All: 15.744+/-0.002 χ^2/NDF: 248934.4/57

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -25.063+/-6.925 χ^2/NDF:11.1/11

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -4.169+/-6.900 χ^2/NDF:9.3/10

Left: -14.579+/-4.888 χ^2/NDF: 24.9/22

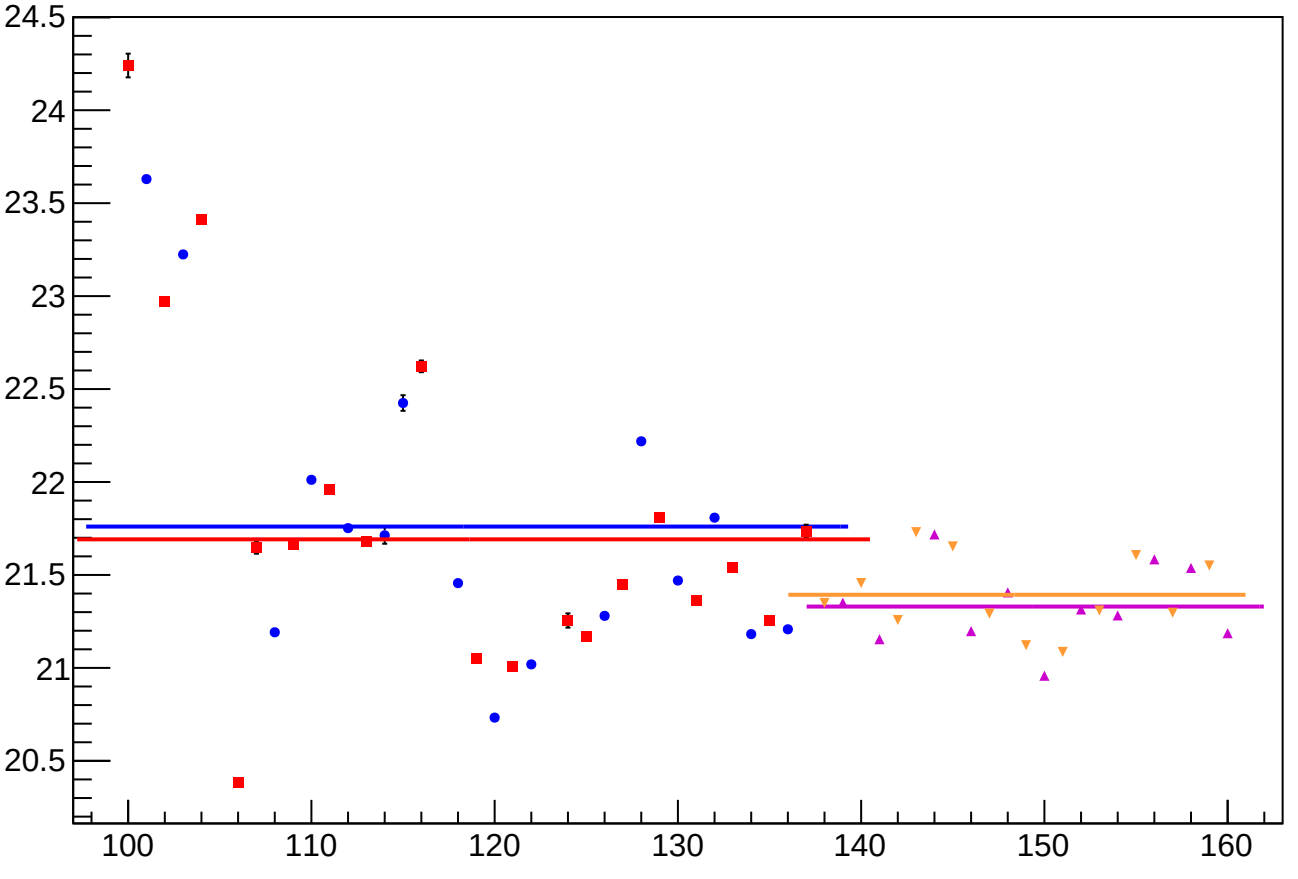
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -1.914+/-5.249 χ^2/NDF:28.9/26

Out: -20.071+/-5.212 χ^2/NDF:28.2/30

All: -11.057+/-3.699 χ^2/NDF: 63.1/57

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: 21.330+/-0.005 χ^2/NDF:1832.9/10

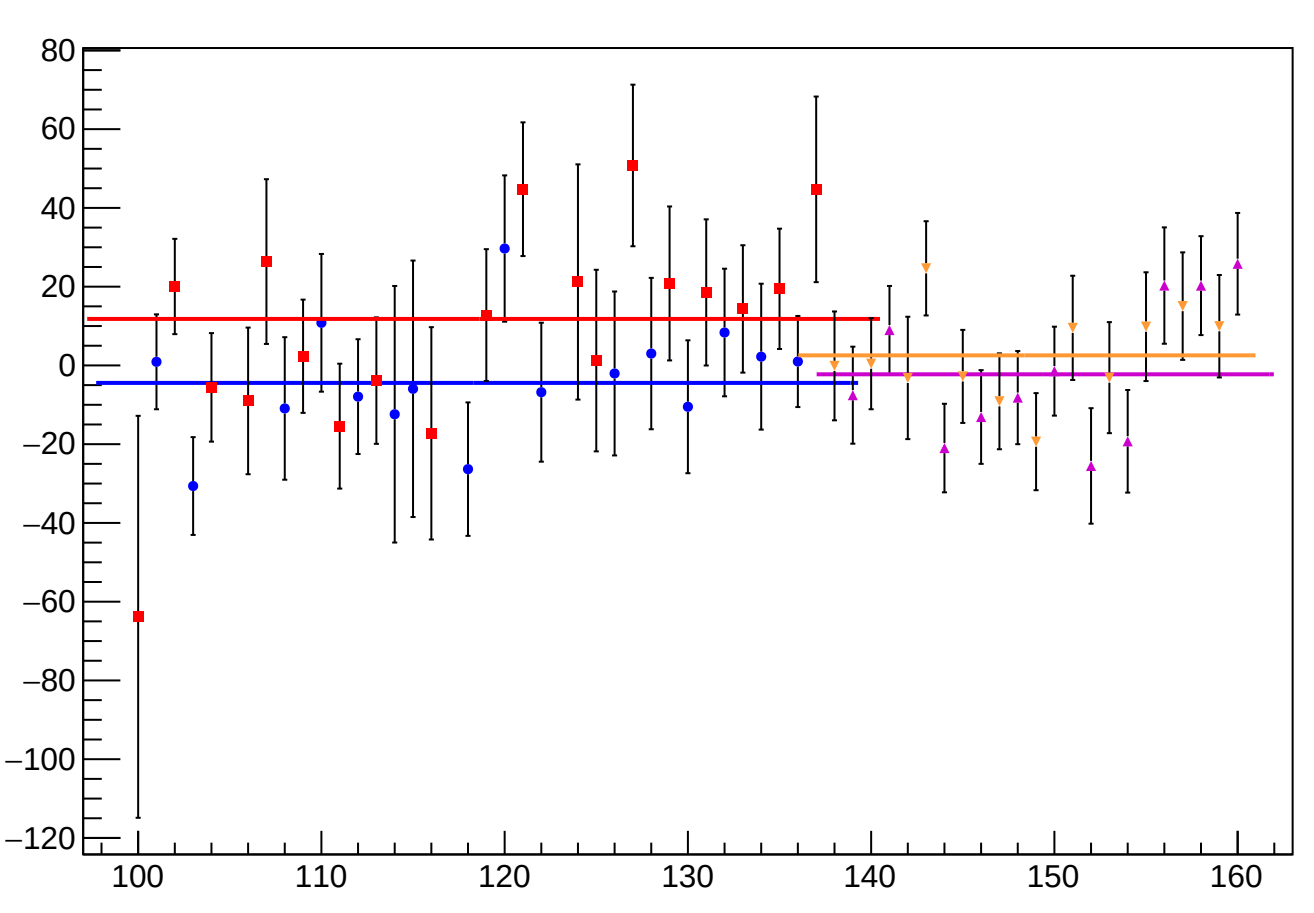
Left: 21.362+/-0.003 χ^2/NDF: 3585.6/22

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.511+/-0.004 χ^2/NDF:24854.6/26

Out: 21.523+/-0.004 χ^2/NDF:21608.0/30

All: 21.517+/-0.003 χ^2/NDF: 46467.3/57



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: -2.256+/-3.727 χ^2/NDF:19.5/10

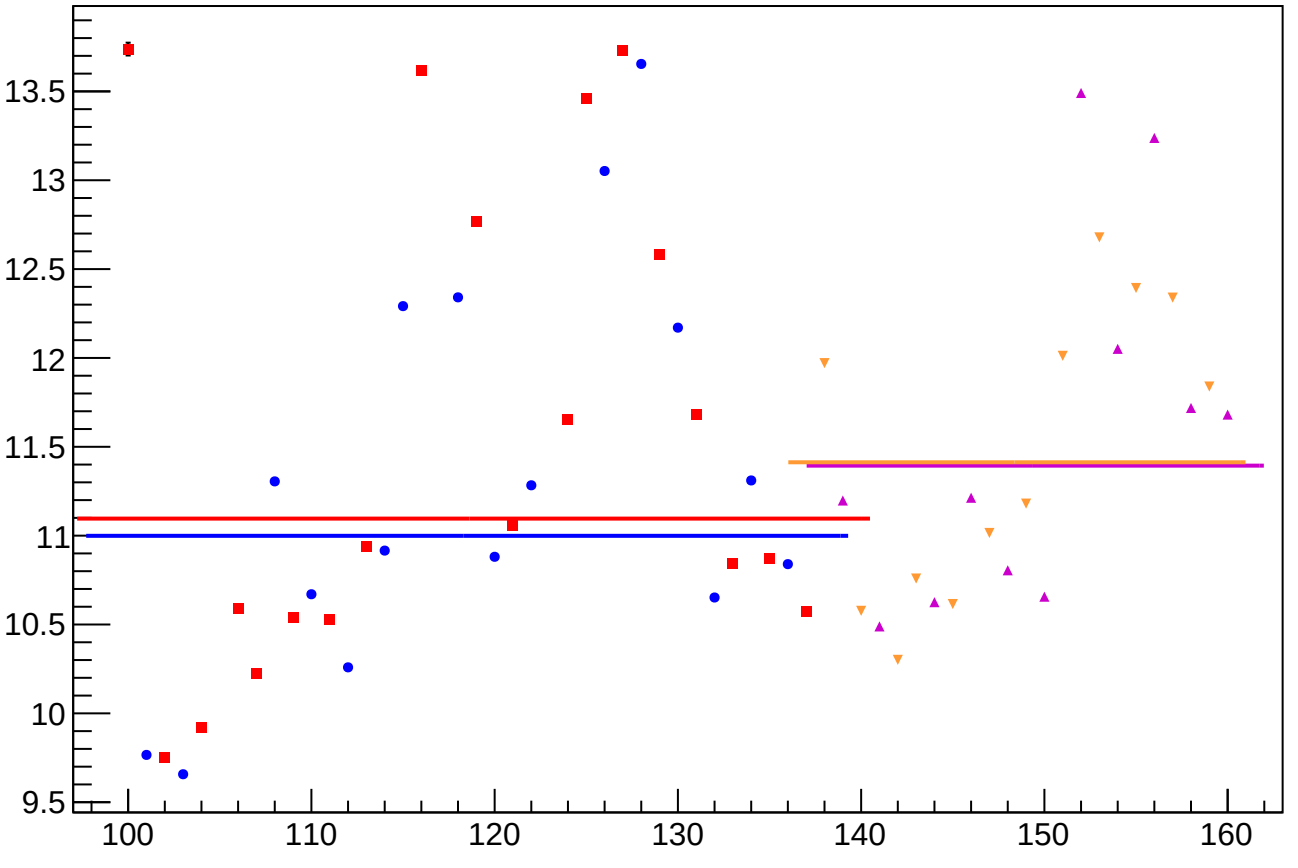
Left: 0.143+/-2.639 χ^2/NDF: 30.2/22

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -3.236+/-2.767 χ^2/NDF:31.7/26

Out: 6.758+/-2.762 χ^2/NDF:34.3/30

All: 1.771+/-1.955 χ^2/NDF: 72.5/57



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: 11.394+/-0.003 χ^2/NDF:116307.6/10

Left: 11.403+/-0.002 χ^2/NDF: 199859.8/22

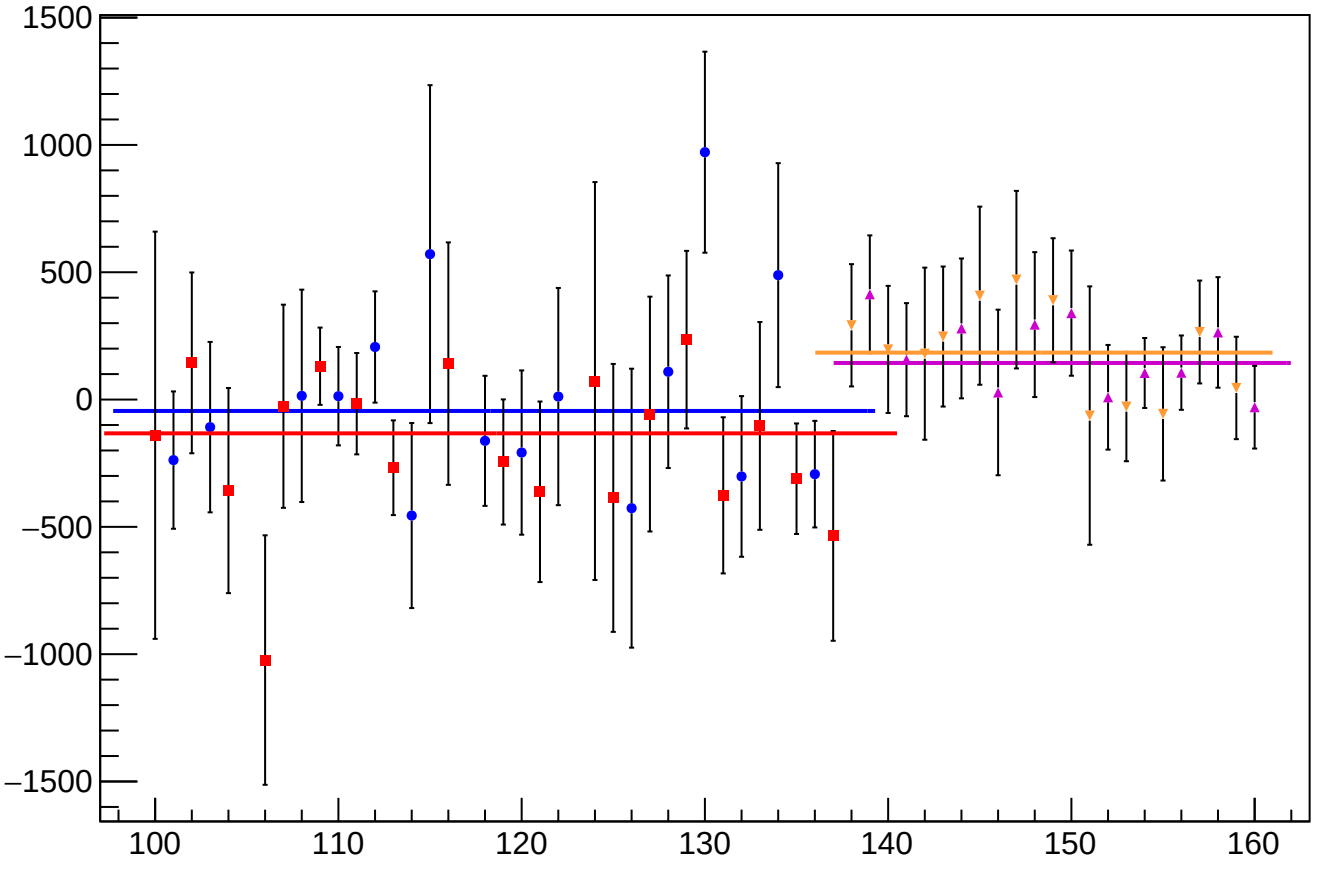
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.217+/-0.002 χ^2/NDF:262544.5/26

Out: 11.269+/-0.002 χ^2/NDF:252966.5/30

All: 11.243+/-0.001 χ^2/NDF: 515867.4/57

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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: 143.717+/-60.490 χ^2/NDF:4.7/10

Left: 159.728+/-47.071 χ^2/NDF: 9.6/22

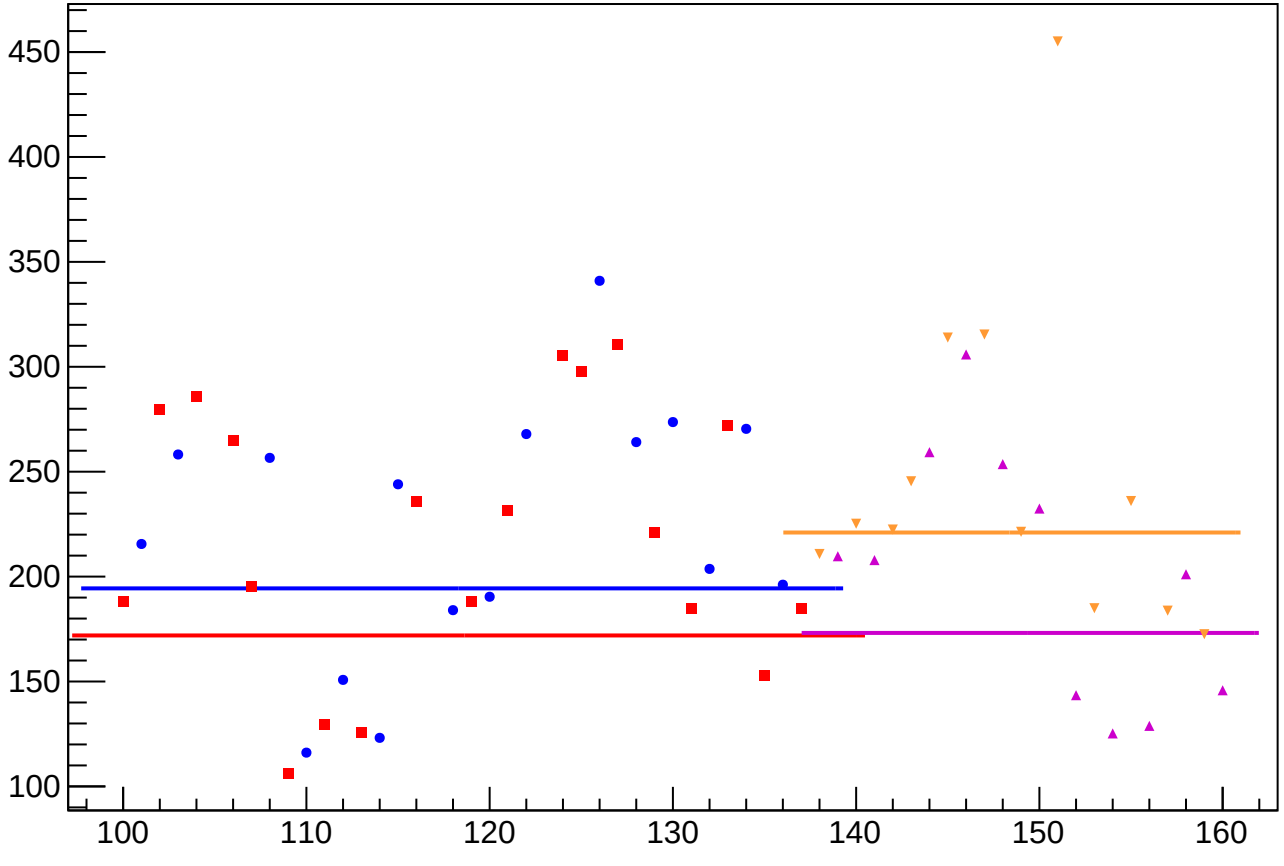
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.106+/-47.430 χ^2/NDF:23.8/26

Out: 11.039+/-50.470 χ^2/NDF:27.4/30

All: 42.935+/-34.563 χ^2/NDF: 52.0/57

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: 173.154+/-0.043 χ^2/NDF:1463686.9/10

Left: 192.033+/-0.033 χ^2/NDF: 2938095.2/22

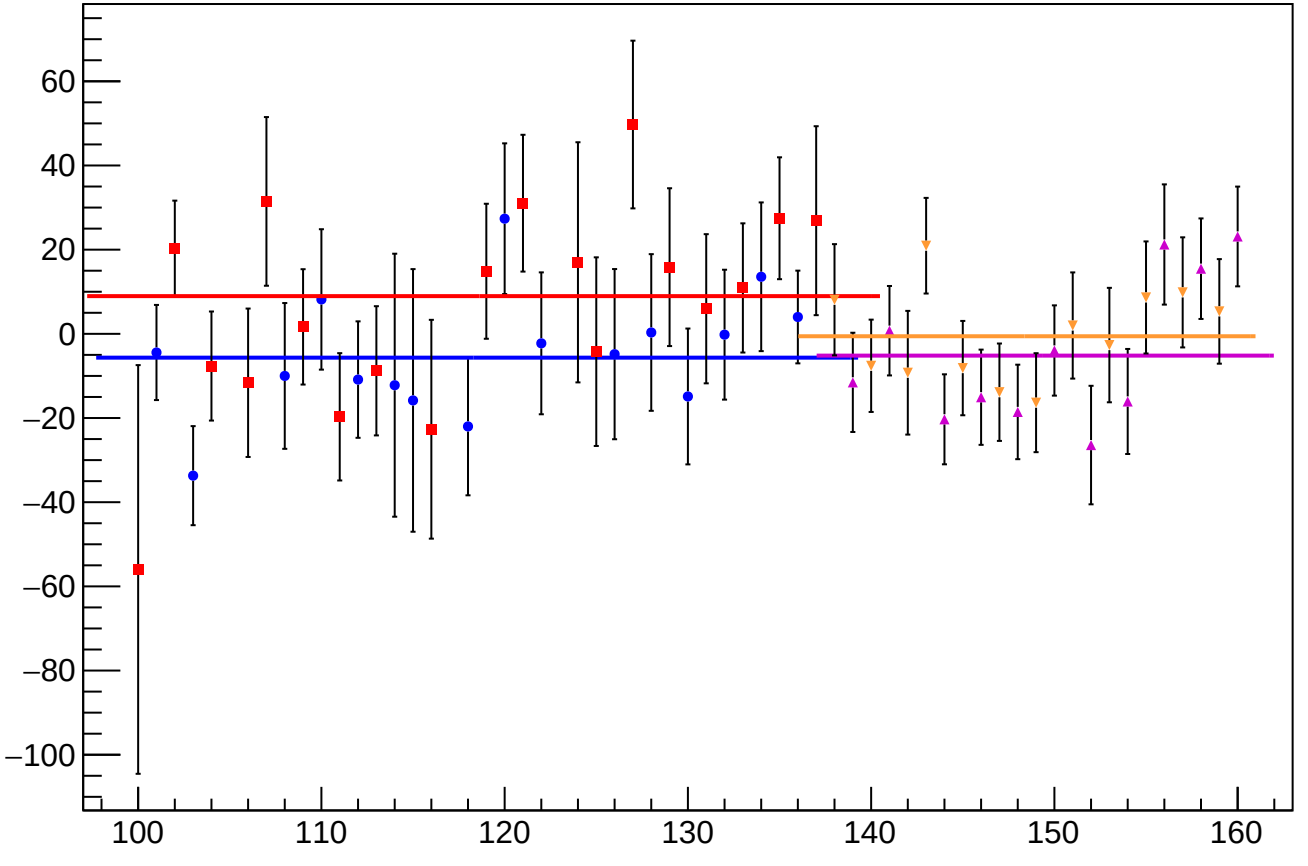
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.332+/-0.034 χ^2/NDF:2600612.1/26

Out: 194.199+/-0.036 χ^2/NDF:3100348.4/30

All: 187.366+/-0.024 χ^2/NDF: 5769987.6/57

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -0.573+/-3.563 χ^2/NDF:9.8/11

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -5.174+/-3.541 χ^2/NDF:20.0/10

Left: -2.888+/-2.512 χ^2/NDF: 30.6/22

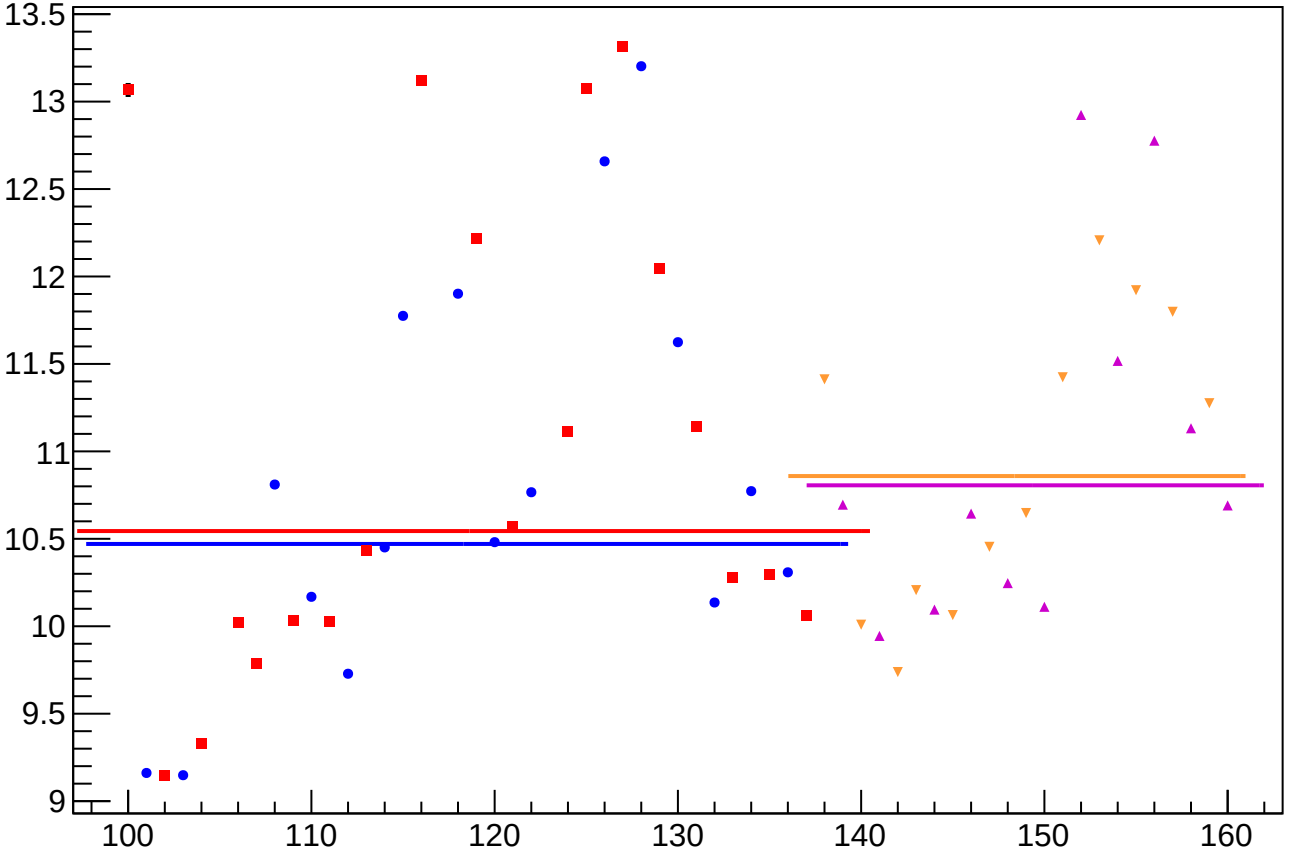
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.390+/-2.633 χ^2/NDF:33.6/26

Out: 3.763+/-2.631 χ^2/NDF:35.8/30

All: -0.809+/-1.861 χ^2/NDF: 75.5/57

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: 10.806+/-0.003 χ^2/NDF:127415.1/10

Left: 10.832+/-0.002 χ^2/NDF: 223506.5/22

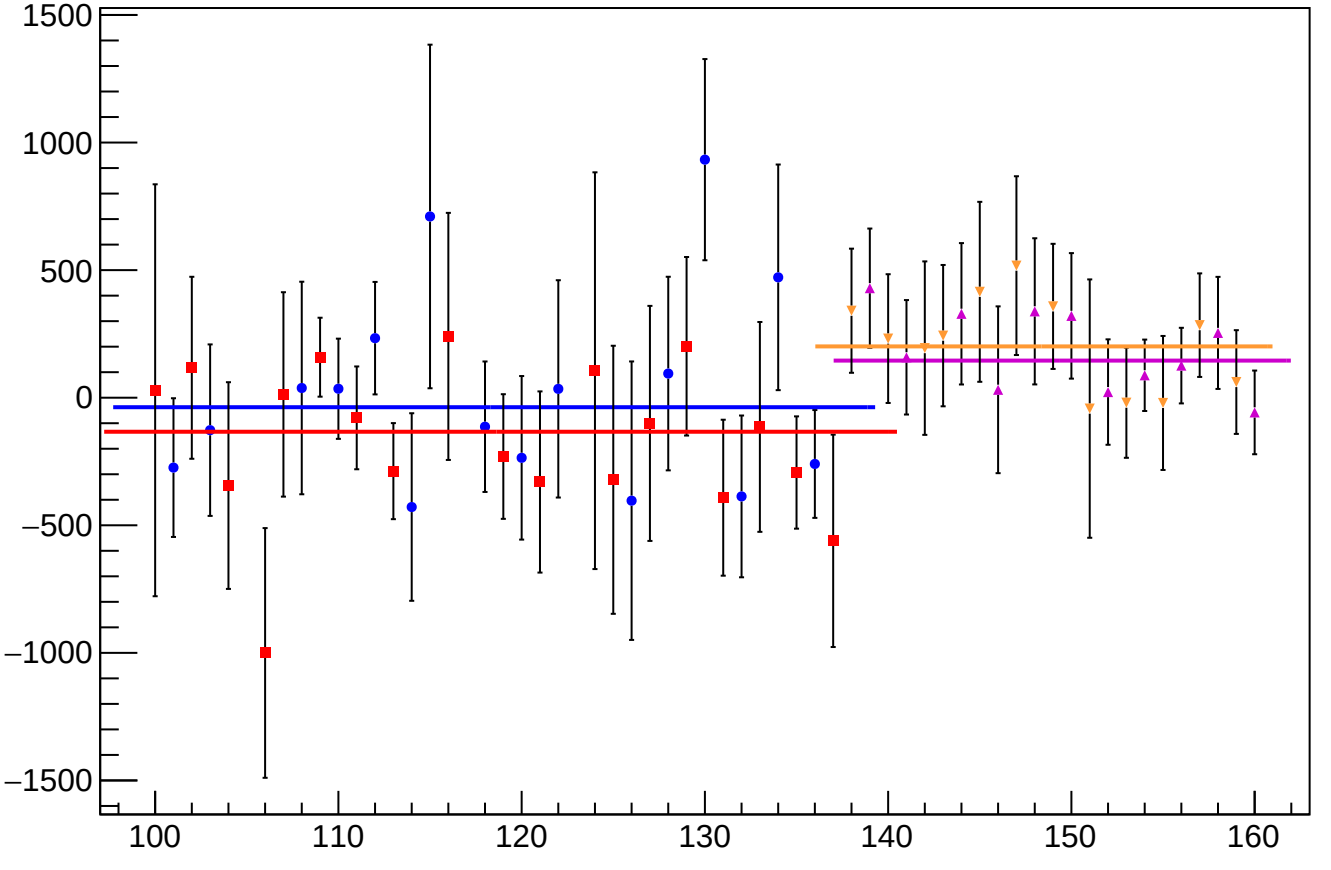
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.656+/-0.002 χ^2/NDF:292794.8/26

Out: 10.716+/-0.002 χ^2/NDF:289736.1/30

All: 10.686+/-0.001 χ^2/NDF: 583046.4/57

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: 145.461+/-61.163 χ^2/NDF:5.3/10

Left: 167.485+/-47.524 χ^2/NDF: 10.2/22

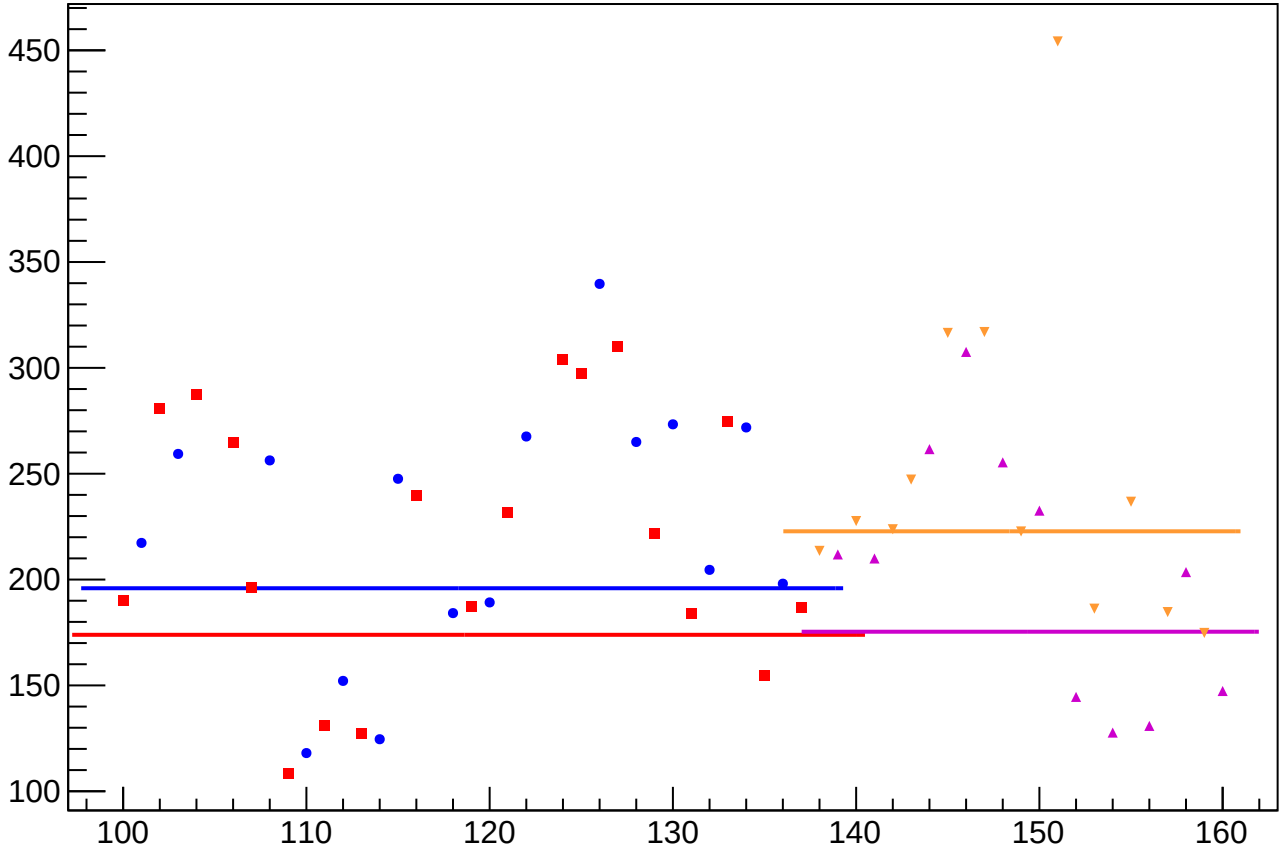
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 74.685+/-47.872 χ^2/NDF:24.4/26

Out: 18.549+/-50.886 χ^2/NDF:28.2/30

All: 48.328+/-34.868 χ^2/NDF: 53.3/57

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: 175.360+/-0.043 χ^2/NDF:1429504.4/10

Left: 194.157+/-0.034 χ^2/NDF: 2874095.1/22

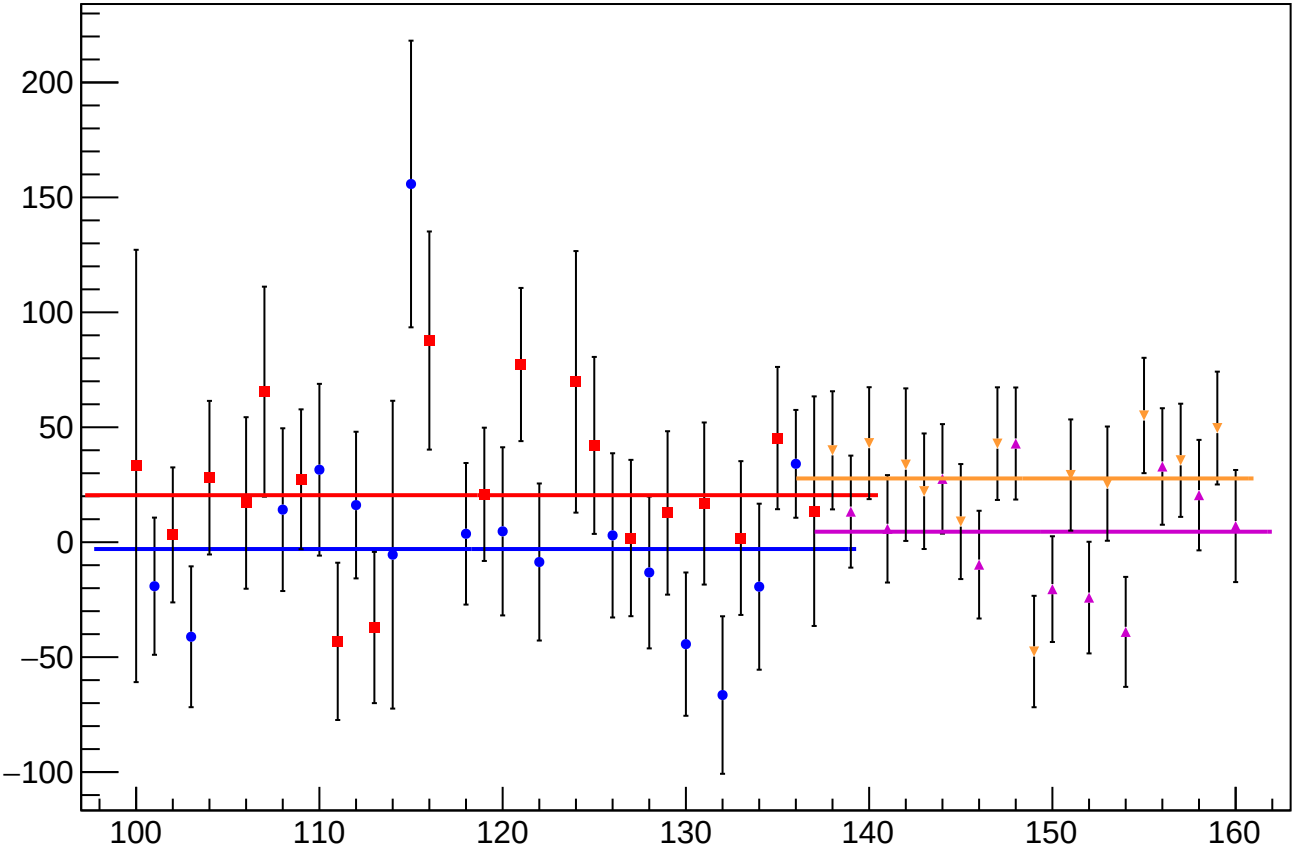
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 183.317+/-0.034 χ^2/NDF:2527892.6/26

Out: 196.115+/-0.036 χ^2/NDF:3025260.5/30

All: 189.325+/-0.025 χ^2/NDF: 5620267.0/57

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: 4.563+/-7.239 χ^2/NDF:11.5/10

Left: 16.088+/-5.132 χ^2/NDF: 30.0/22

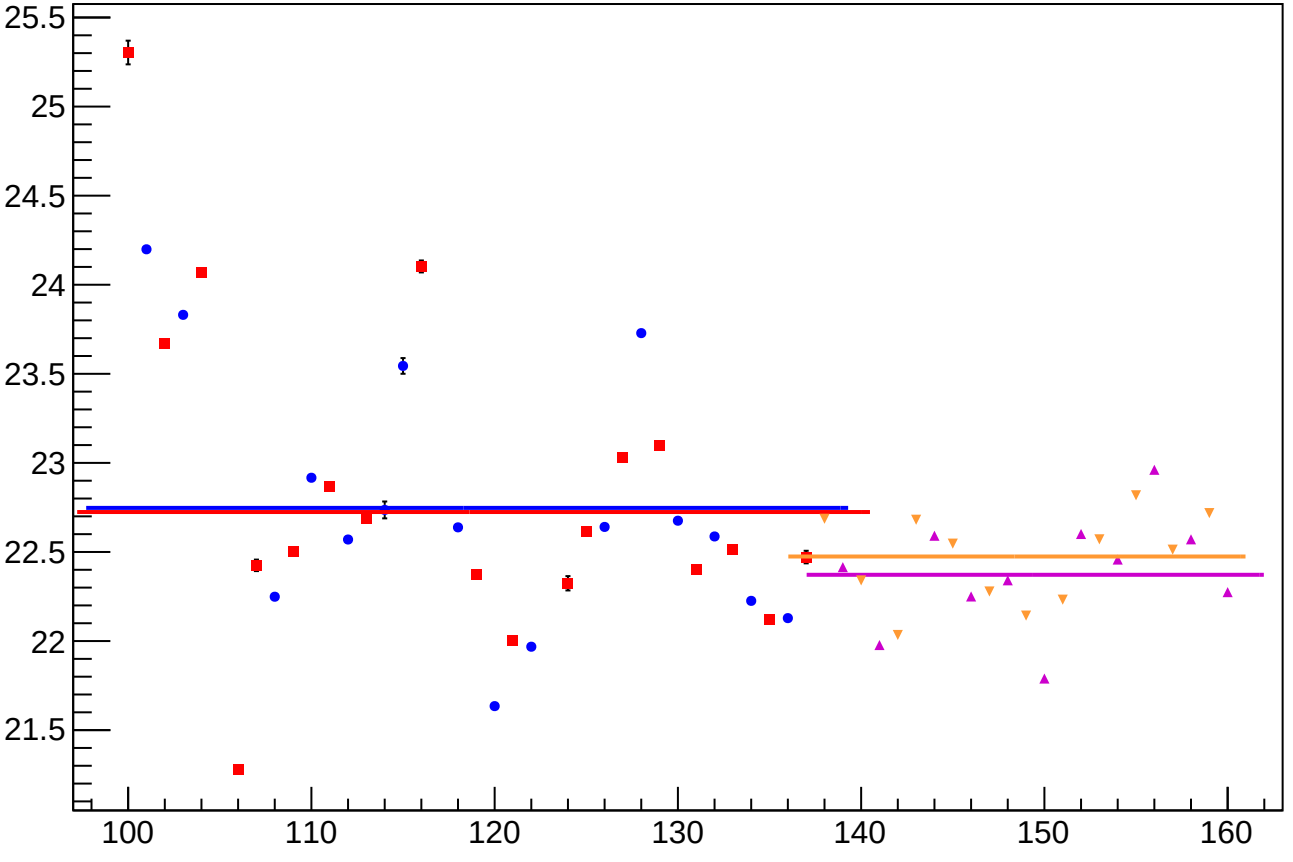
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 1.378+/-5.498 χ^2/NDF:29.9/26

Out: 24.569+/-5.469 χ^2/NDF:29.1/30

All: 13.035+/-3.878 χ^2/NDF: 68.0/57

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: 22.372+/-0.005 χ^2/NDF:3538.5/10

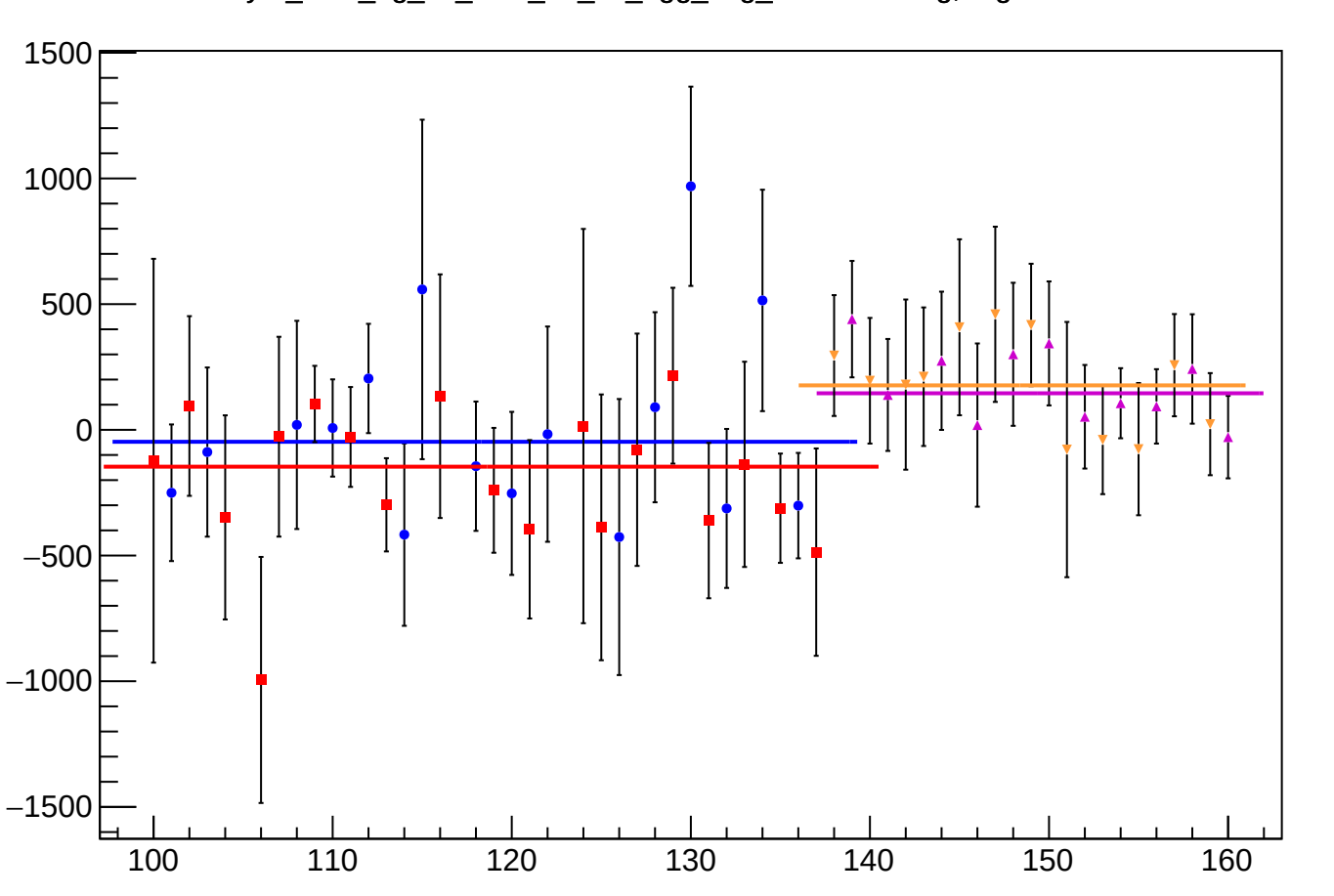
Left: 22.423+/-0.004 χ^2/NDF: 5749.8/22

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.531+/-0.004 χ^2/NDF:20438.7/26

Out: 22.583+/-0.004 χ^2/NDF:17526.1/30

All: 22.557+/-0.003 χ^2/NDF: 38056.2/57



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: 145.416+/-60.937 χ^2/NDF:4.7/10

Left: 157.877+/-47.353 χ^2/NDF: 10.0/22

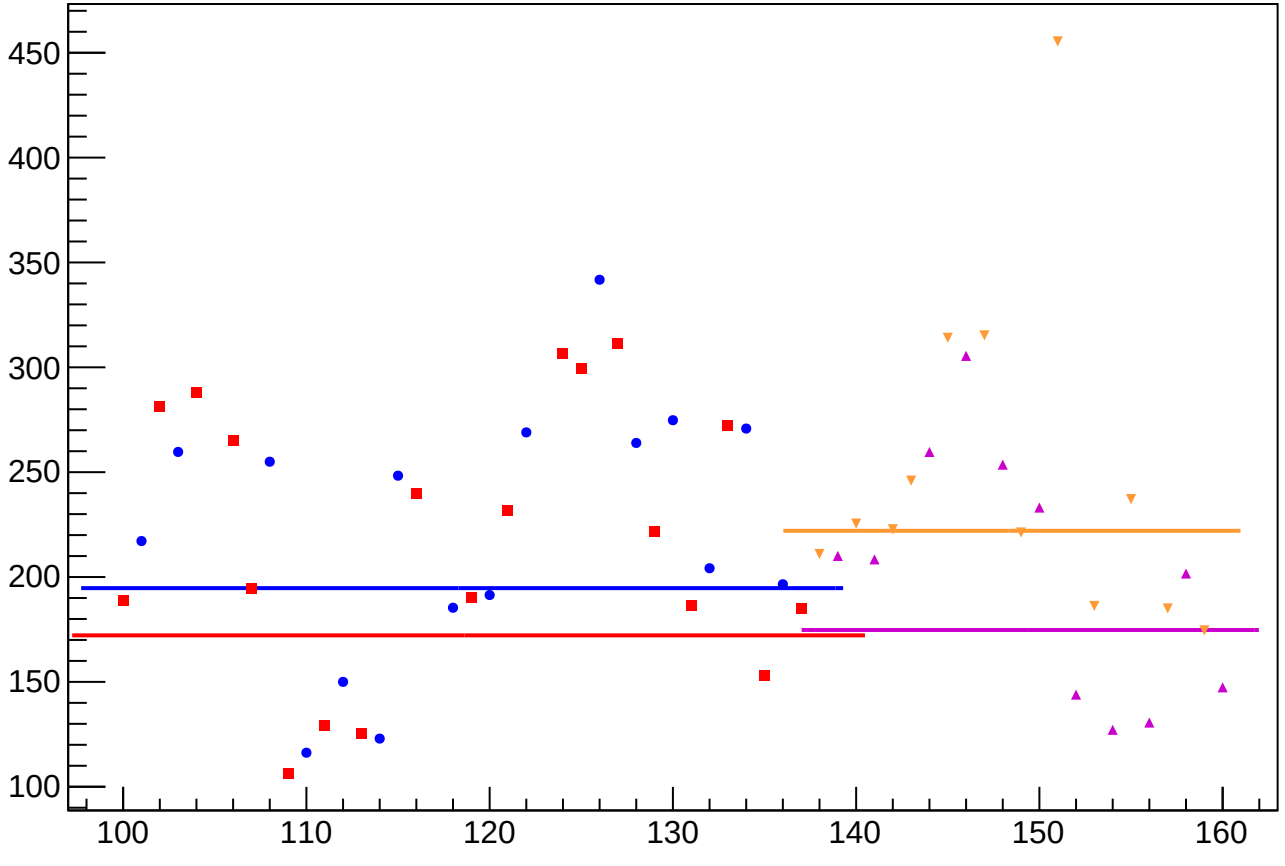
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 70.602+/-47.681 χ^2/NDF:24.0/26

Out: -0.214+/-50.610 χ^2/NDF:26.9/30

All: 37.302+/-34.705 χ^2/NDF: 51.9/57

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: 174.734+/-0.043 χ^2/NDF:1414745.1/10

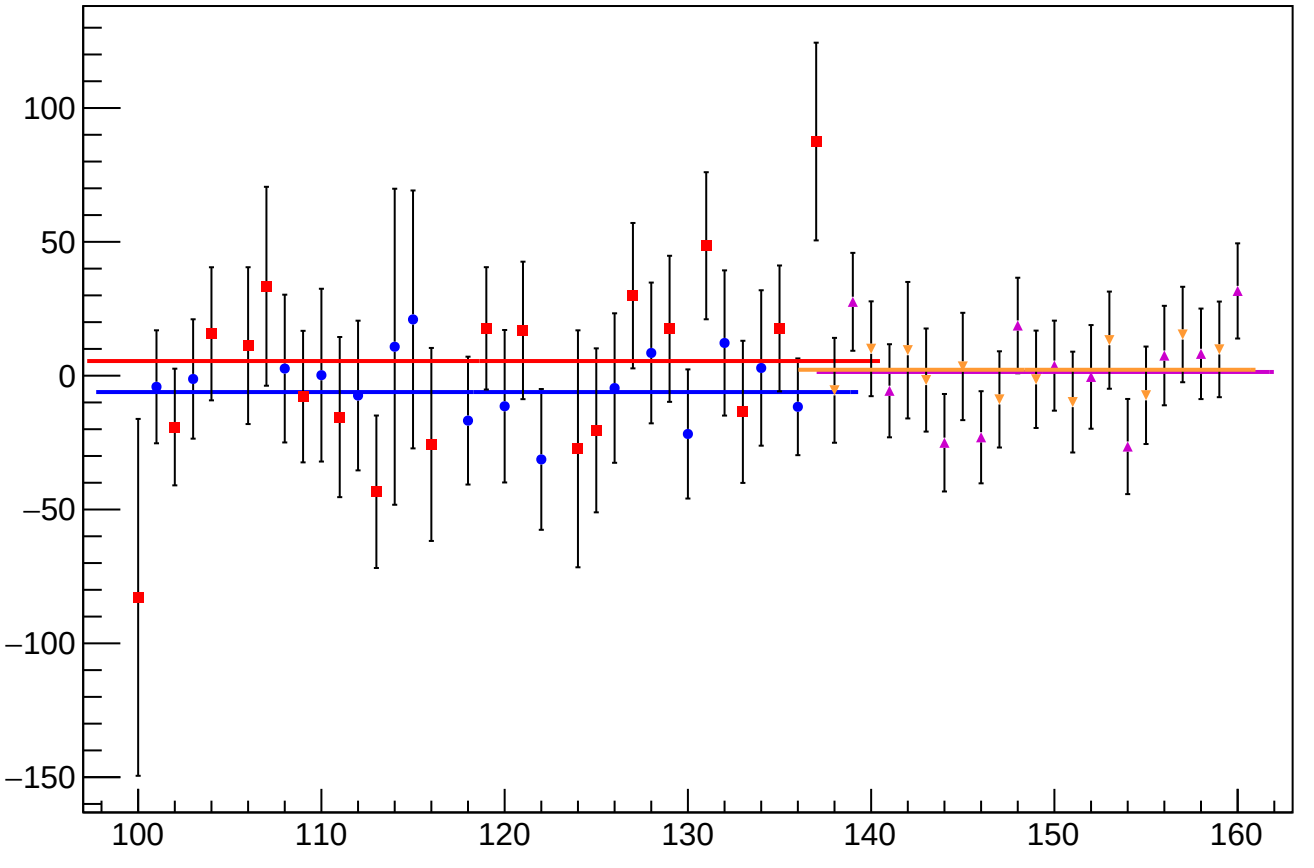
Left: 193.477+/-0.033 χ^2/NDF: 2853086.2/22

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 182.479+/-0.034 χ^2/NDF:2550357.2/26

Out: 194.749+/-0.036 χ^2/NDF:3112722.9/30

All: 188.249+/-0.025 χ^2/NDF: 5725356.8/57



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: 1.389+/-5.365 χ^2/NDF:12.9/10

Left: 1.793+/-3.820 χ^2/NDF: 15.6/22

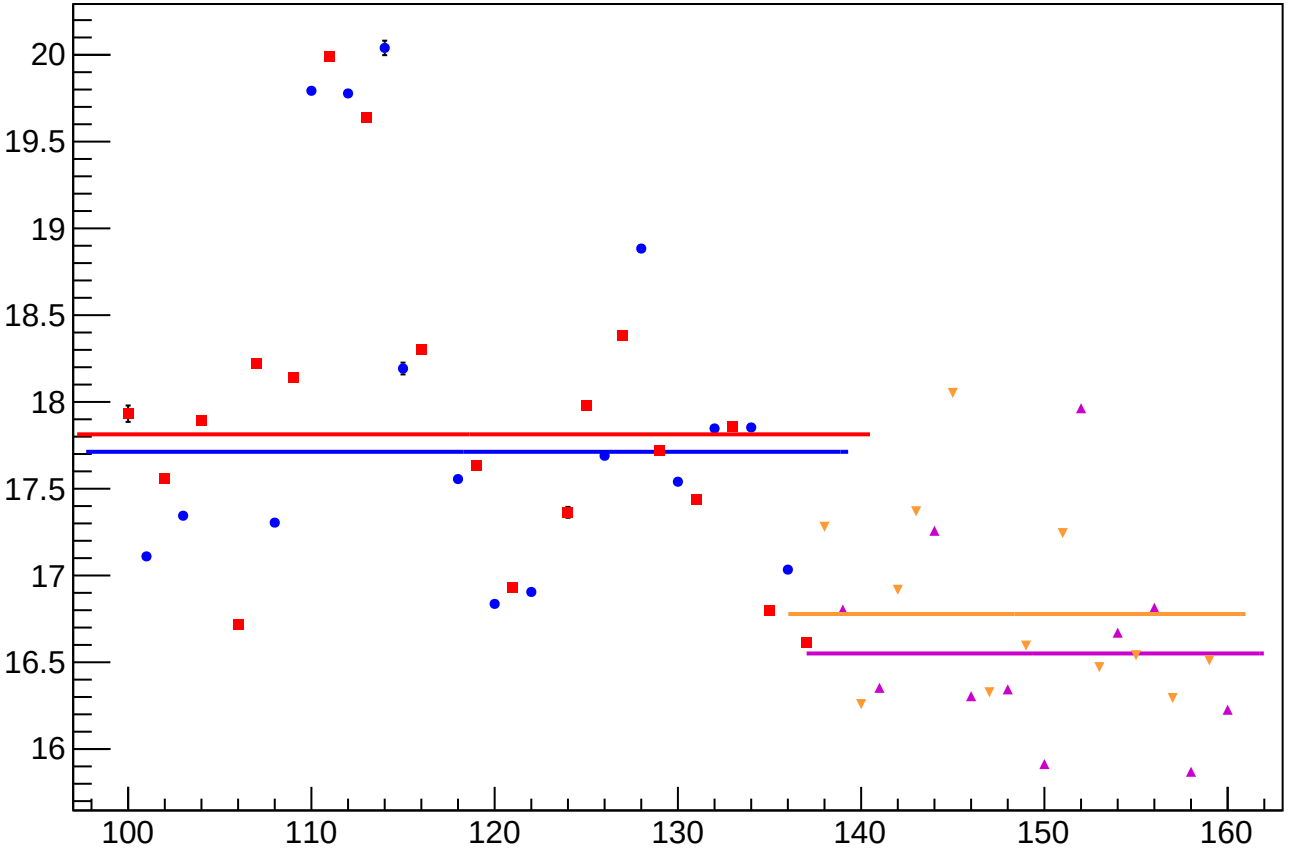
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -1.602+/-4.161 χ^2/NDF:16.8/26

Out: 3.551+/-4.174 χ^2/NDF:22.0/30

All: 0.966+/-2.947 χ^2/NDF: 39.6/57

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: 16.551+/-0.004 χ^2/NDF:22254.9/10

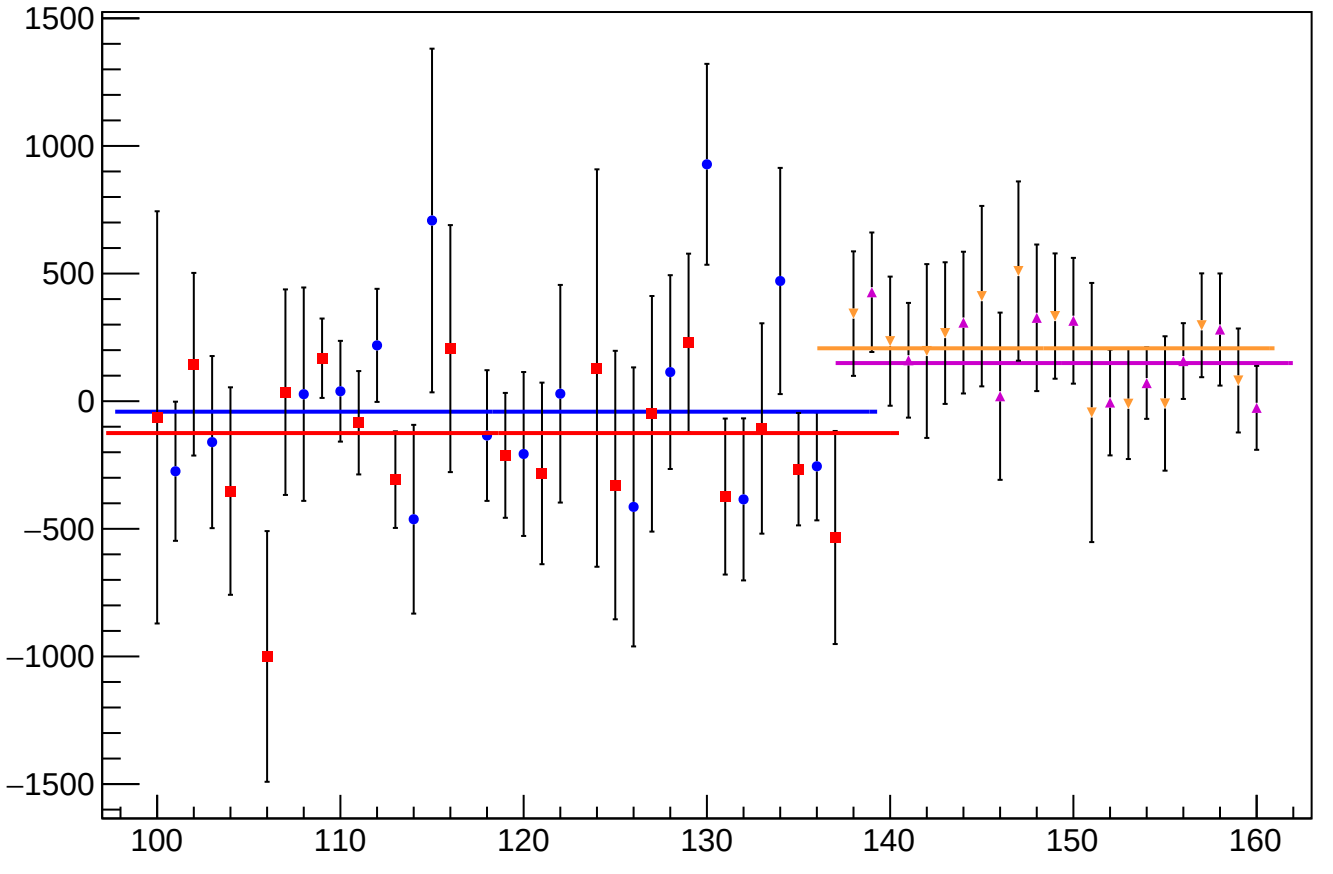
Left: 16.663+/-0.003 χ^2/NDF: 42596.2/22

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.014+/-0.003 χ^2/NDF:95613.4/26

Out: 17.204+/-0.003 χ^2/NDF:81071.6/30

All: 17.108+/-0.002 χ^2/NDF: 178767.0/57



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: 149.392+/-61.286 χ^2/NDF:5.1/10

Left: 172.312+/-47.625 χ^2/NDF: 9.7/22

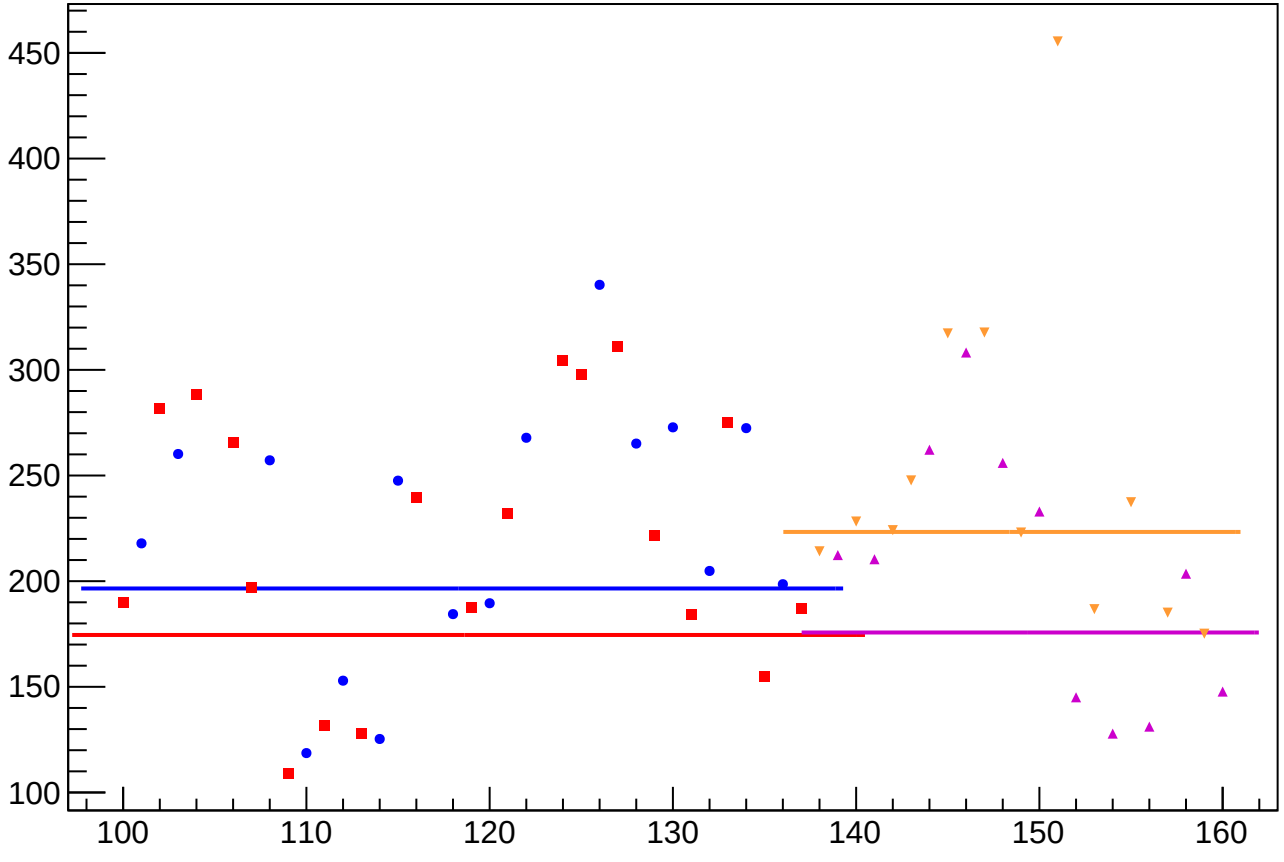
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 75.674+/-47.985 χ^2/NDF:24.4/26

Out: 26.173+/-51.029 χ^2/NDF:27.6/30

All: 52.444+/-34.957 χ^2/NDF: 52.5/57

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: 175.711+/-0.043 χ^2/NDF:1429232.4/10

Left: 194.564+/-0.034 χ^2/NDF: 2874982.2/22

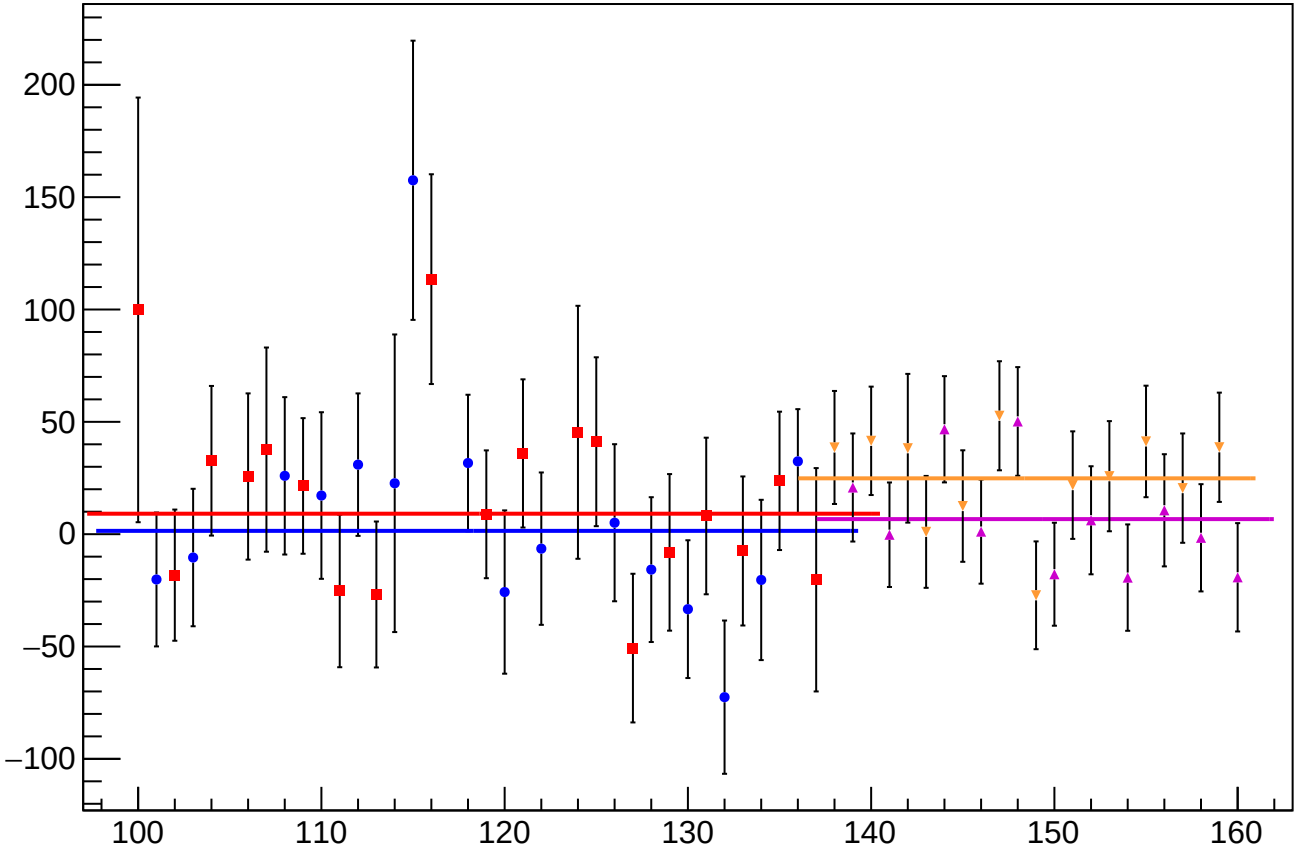
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 183.772+/-0.034 χ^2/NDF:2519415.5/26

Out: 196.717+/-0.036 χ^2/NDF:3009559.3/30

All: 189.847+/-0.025 χ^2/NDF: 5597279.6/57

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: 6.707+/-7.173 χ^2/NDF:10.2/10

Left: 15.748+/-5.081 χ^2/NDF: 22.4/22

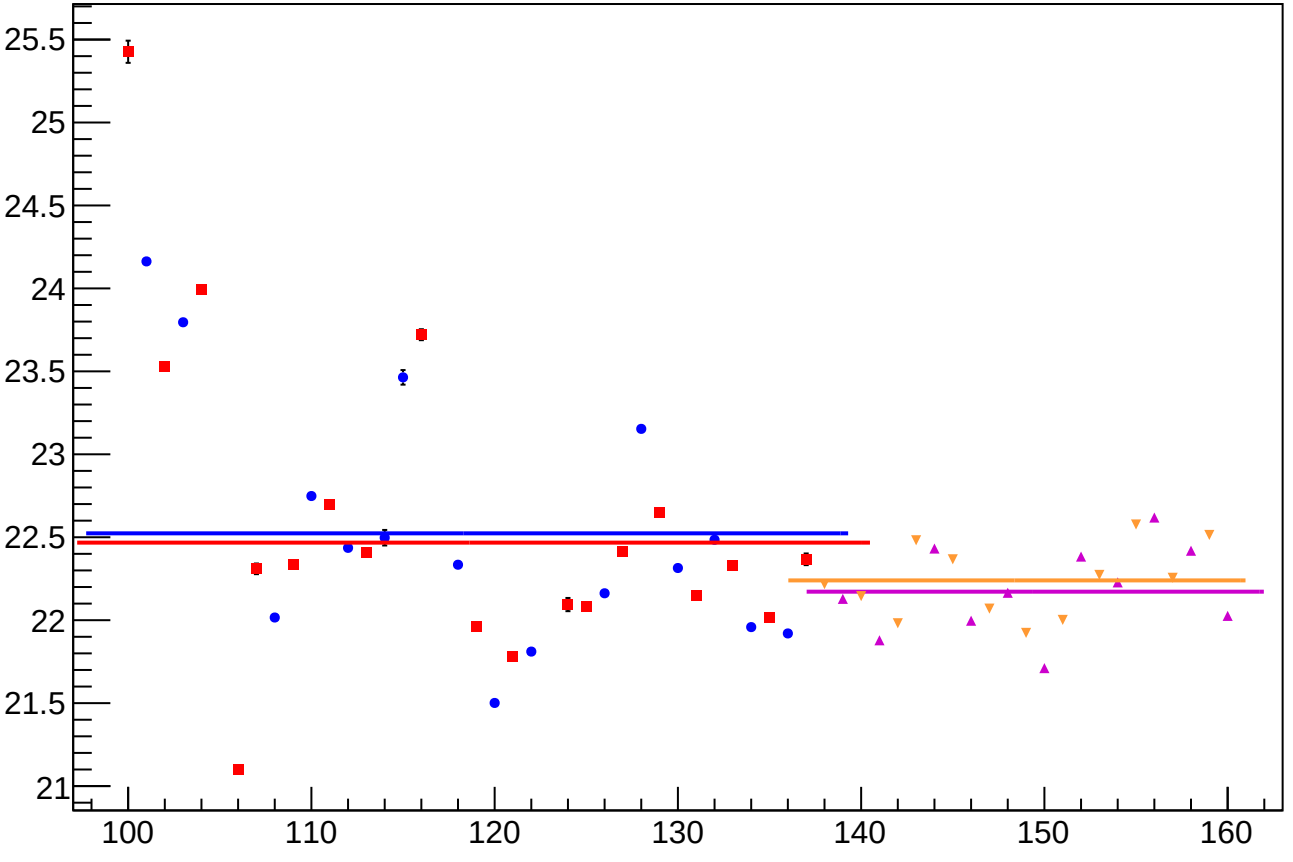
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.492+/-5.447 χ^2/NDF:29.1/26

Out: 18.001+/-5.409 χ^2/NDF:27.5/30

All: 11.293+/-3.838 χ^2/NDF: 59.7/57

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: 22.172+/-0.005 χ^2/NDF:2582.5/10

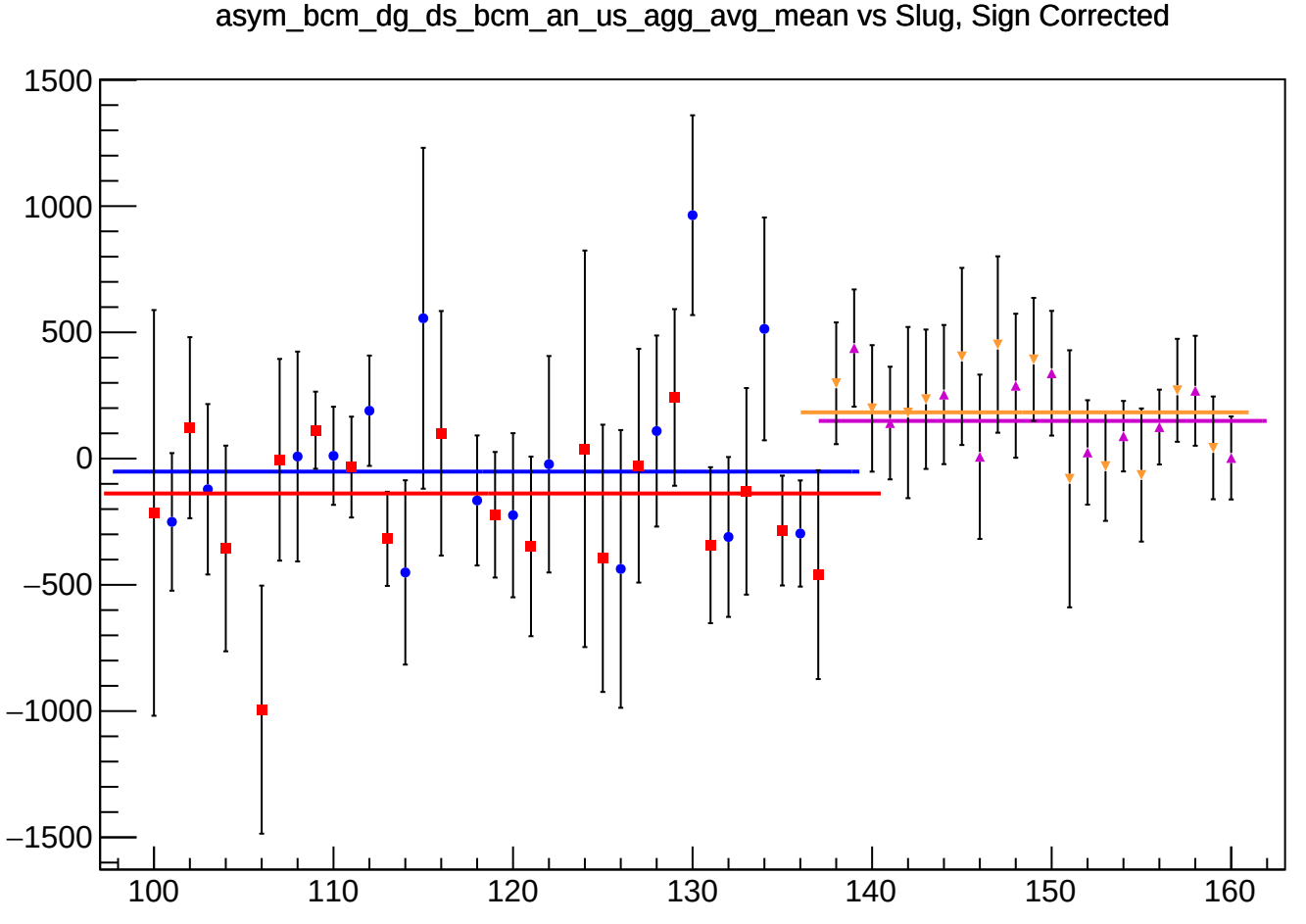
Left: 22.206+/-0.004 χ^2/NDF: 4338.7/22

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.321+/-0.004 χ^2/NDF:20565.8/26

Out: 22.339+/-0.004 χ^2/NDF:18164.7/30

All: 22.330+/-0.003 χ^2/NDF: 38741.8/57



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: 149.251+/-61.060 χ^2/NDF:4.4/10

Left: 162.699+/-47.454 χ^2/NDF: 9.3/22

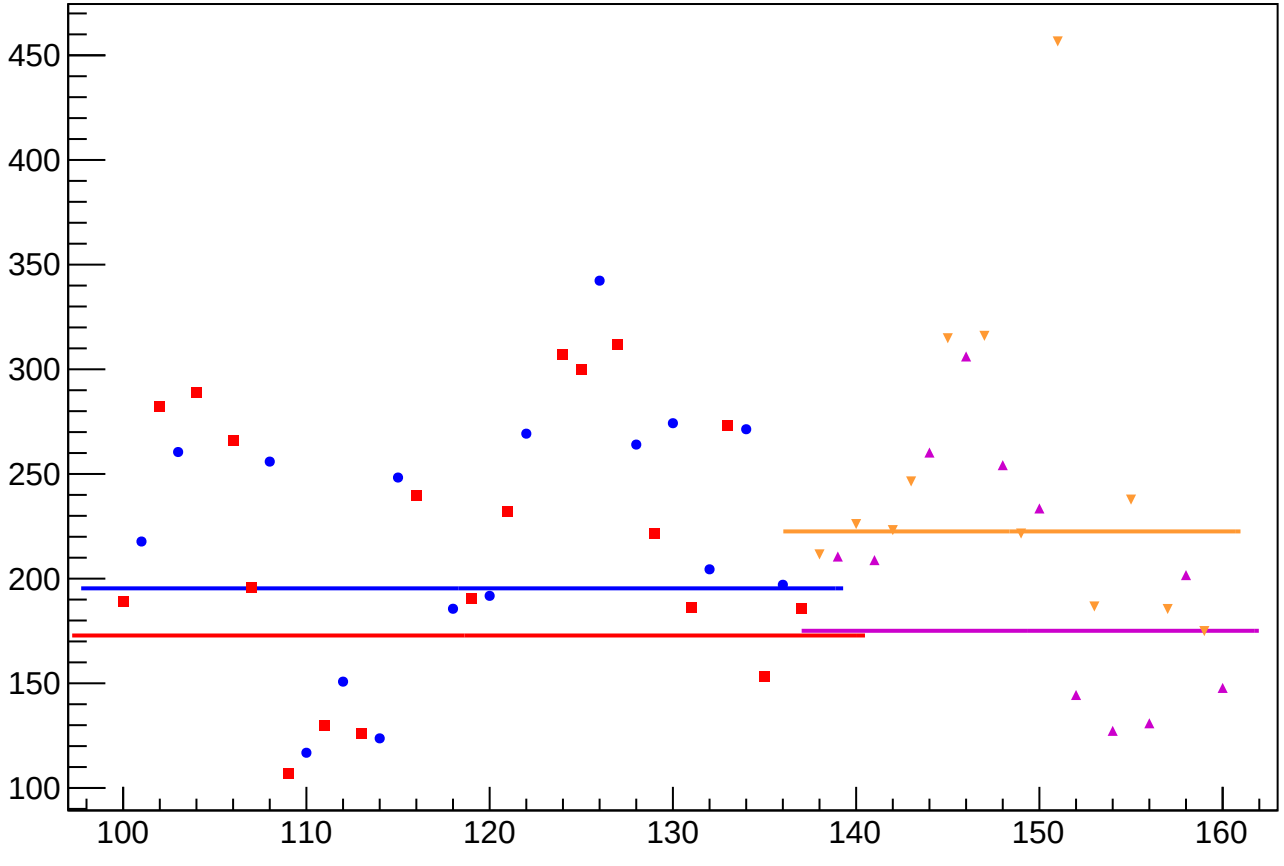
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 71.502+/-47.795 χ^2/NDF:23.9/26

Out: 7.409+/-50.754 χ^2/NDF:26.3/30

All: 41.379+/-34.795 χ^2/NDF: 51.1/57

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: 175.084+/-0.043 χ^2/NDF:1414613.9/10

Left: 193.883+/-0.034 χ^2/NDF: 2854168.7/22

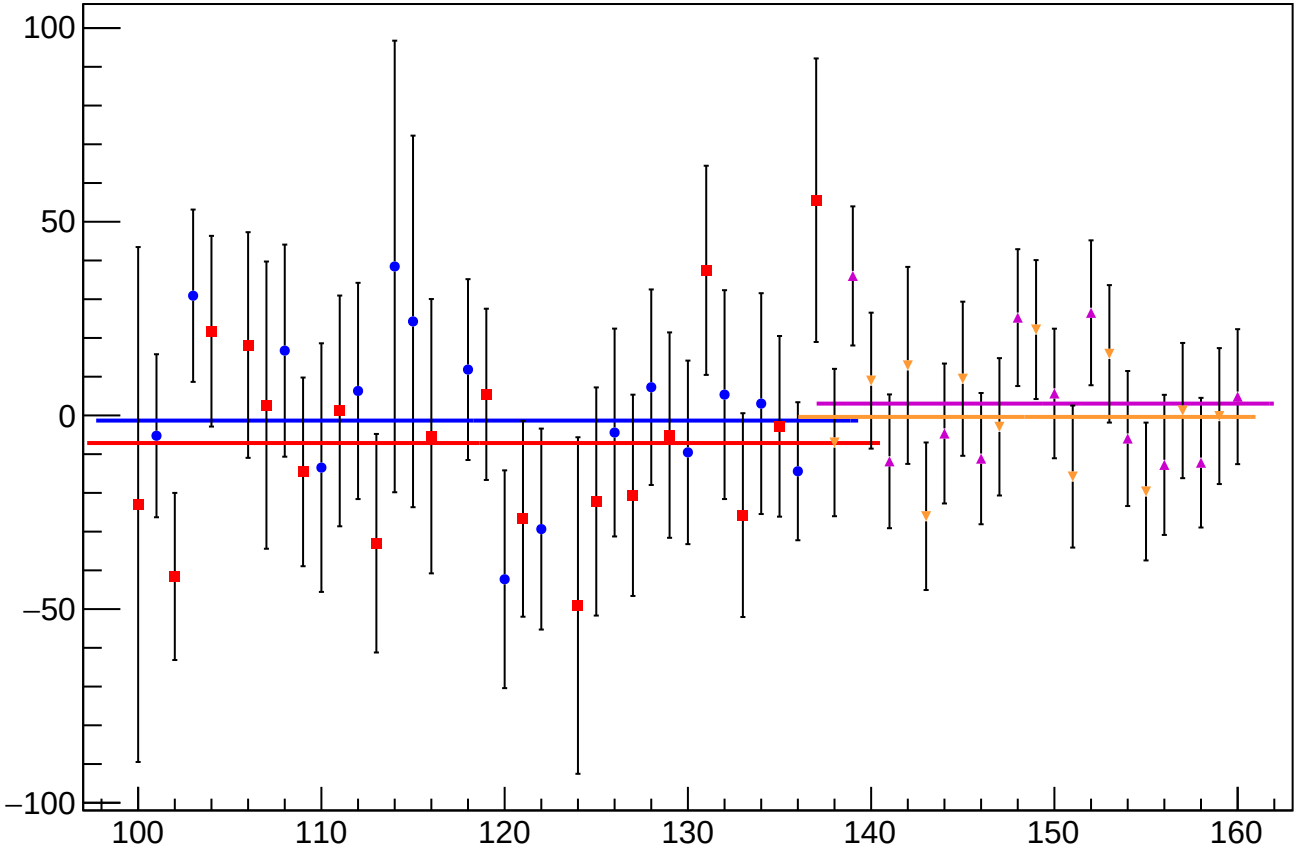
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 182.937+/-0.034 χ^2/NDF:2541472.1/26

Out: 195.360+/-0.036 χ^2/NDF:3095819.1/30

All: 188.776+/-0.025 χ^2/NDF: 5700791.1/57

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: 3.052+/-5.281 χ^2/NDF:10.0/10

Left: 1.355+/-3.758 χ^2/NDF: 17.3/22

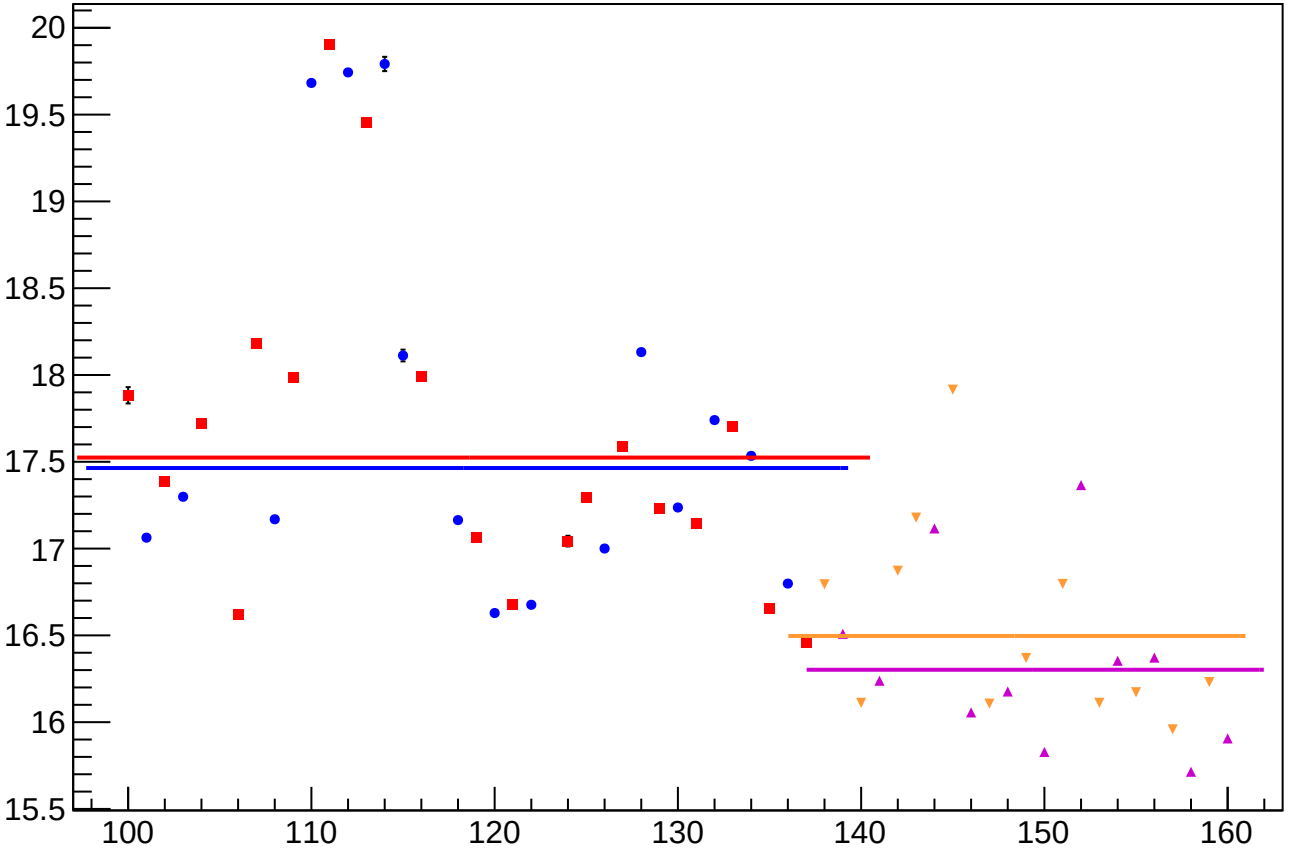
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.309+/-4.098 χ^2/NDF:18.3/26

Out: -3.156+/-4.104 χ^2/NDF:22.1/30

All: -0.921+/-2.900 χ^2/NDF: 41.1/57

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: 16.302+/-0.004 χ^2/NDF:16494.5/10

Left: 16.398+/-0.003 χ^2/NDF: 38026.9/22

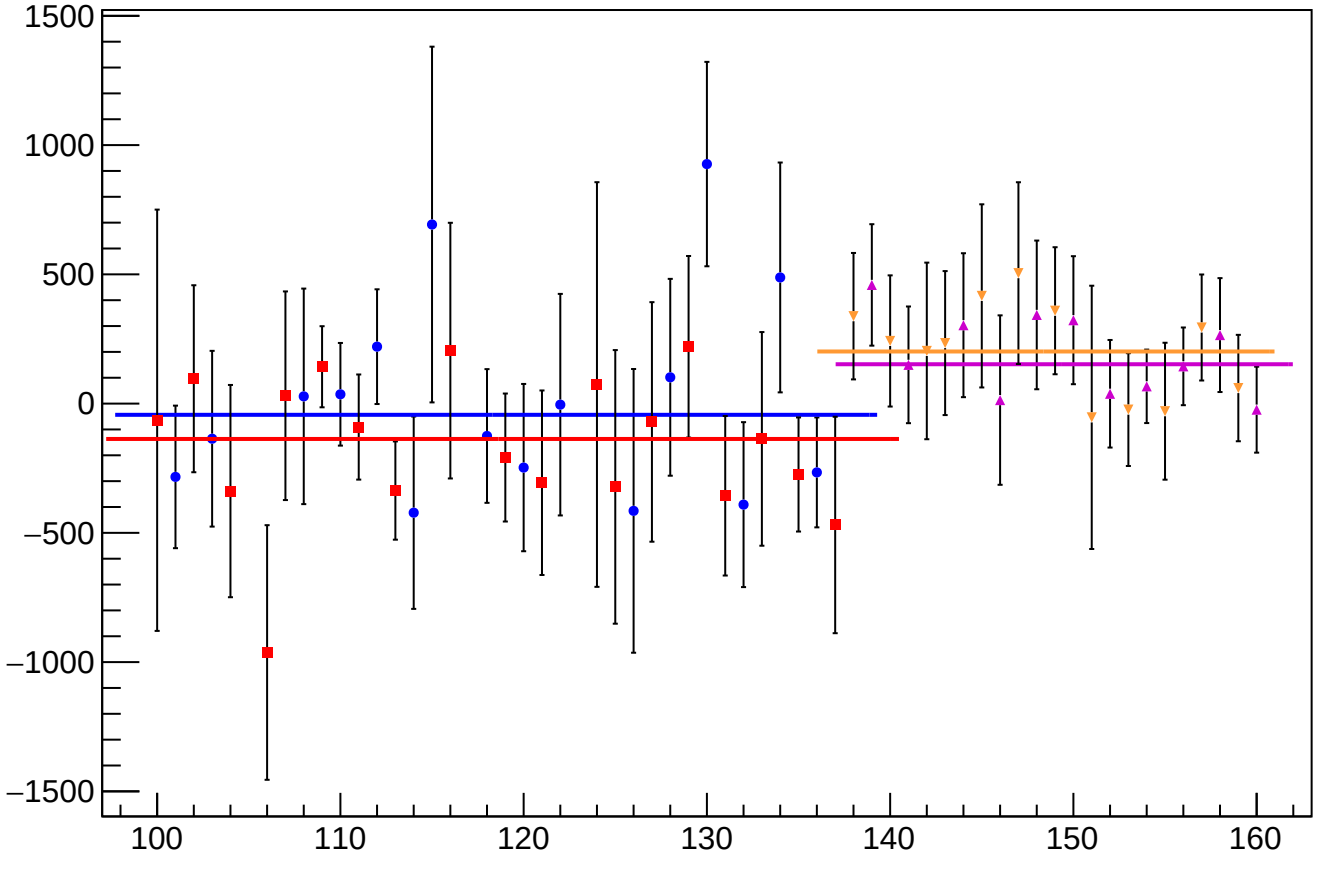
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.764+/-0.003 χ^2/NDF:91668.4/26

Out: 16.919+/-0.003 χ^2/NDF:85272.5/30

All: 16.842+/-0.002 χ^2/NDF: 178364.9/57

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: 152.262+/-61.779 χ^2/NDF:5.1/10

Left: 171.872+/-47.954 χ^2/NDF: 10.0/22

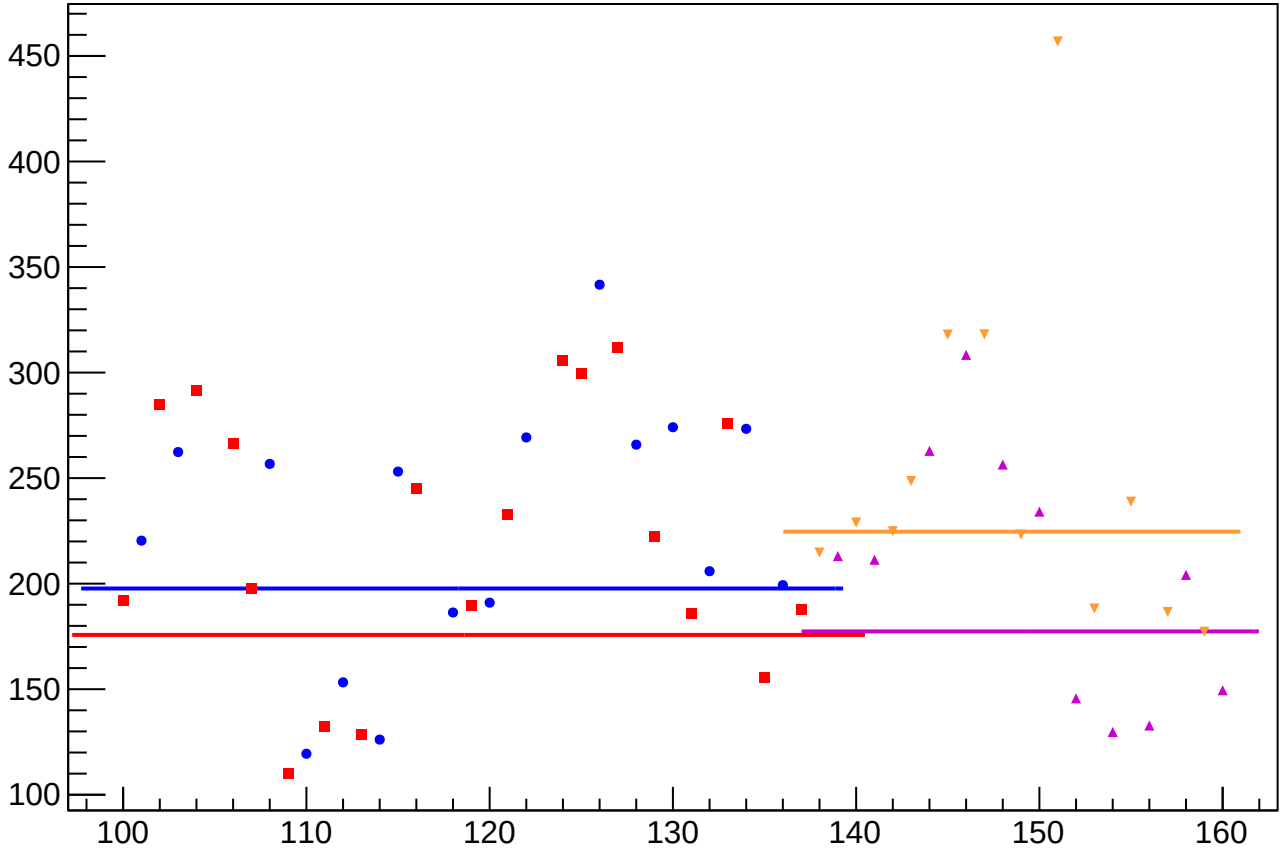
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 76.346+/-48.328 χ^2/NDF:24.5/26

Out: 17.322+/-51.330 χ^2/NDF:26.9/30

All: 48.610+/-35.187 χ^2/NDF: 52.1/57

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: 177.368+/-0.044 χ^2/NDF:1388820.8/10

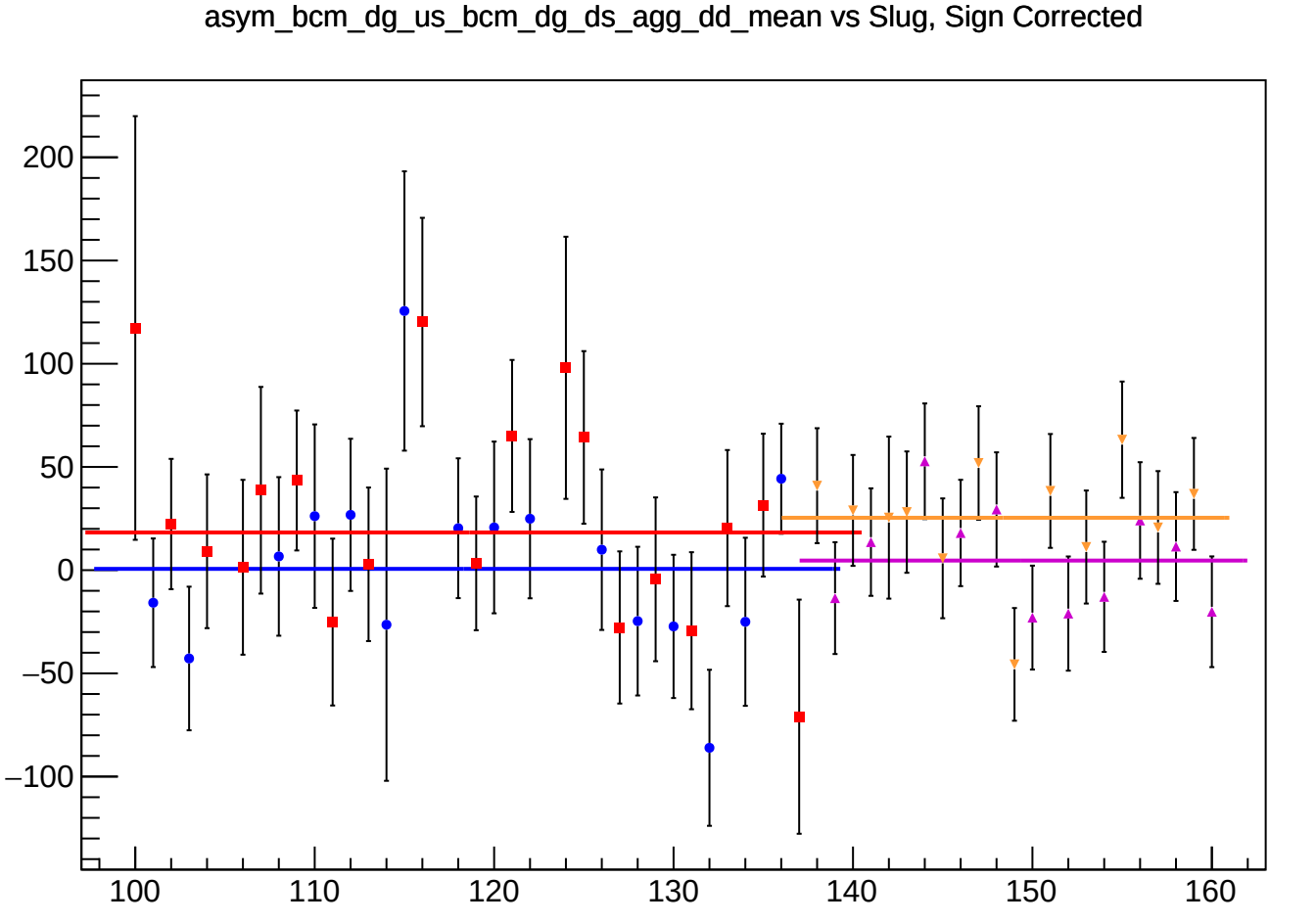
Left: 196.150+/-0.034 χ^2/NDF: 2805312.8/22

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

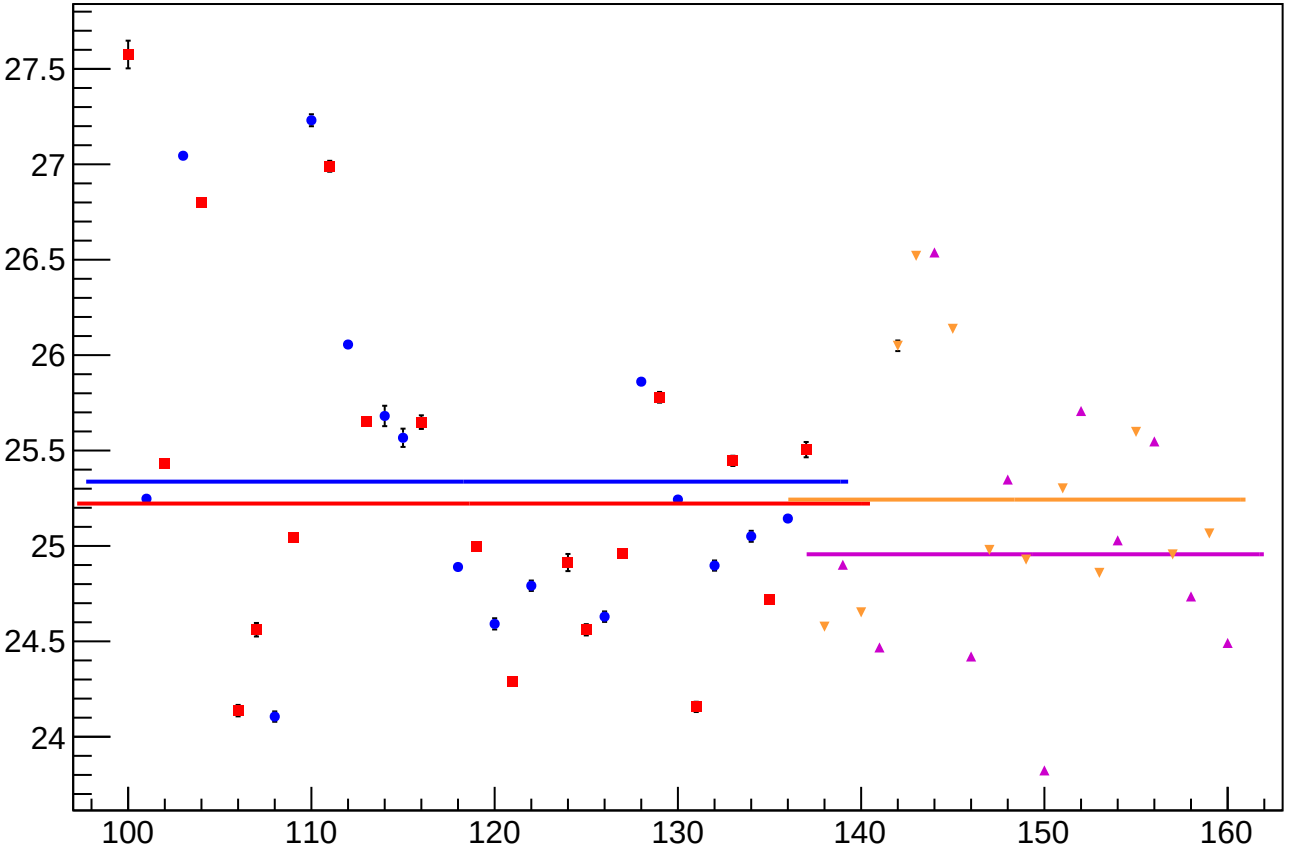
In: 185.260+/-0.034 χ^2/NDF:2473263.4/26

Out: 197.987+/-0.036 χ^2/NDF:2992245.3/30

All: 191.241+/-0.025 χ^2/NDF: 5530686.2/57


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: 4.651+/-8.084 χ²/NDF:8.5/10
Left: 14.893+/-5.750 χ²/NDF: 22.7/22
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 2.941+/-6.135 χ²/NDF:25.3/26
Out: 22.234+/-6.115 χ²/NDF:29.3/30
All: 12.619+/-4.331 χ²/NDF: 59.6/57

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: 24.956+/-0.006 χ^2/NDF:15515.7/10

Left: 25.098+/-0.004 χ^2/NDF: 26867.9/22

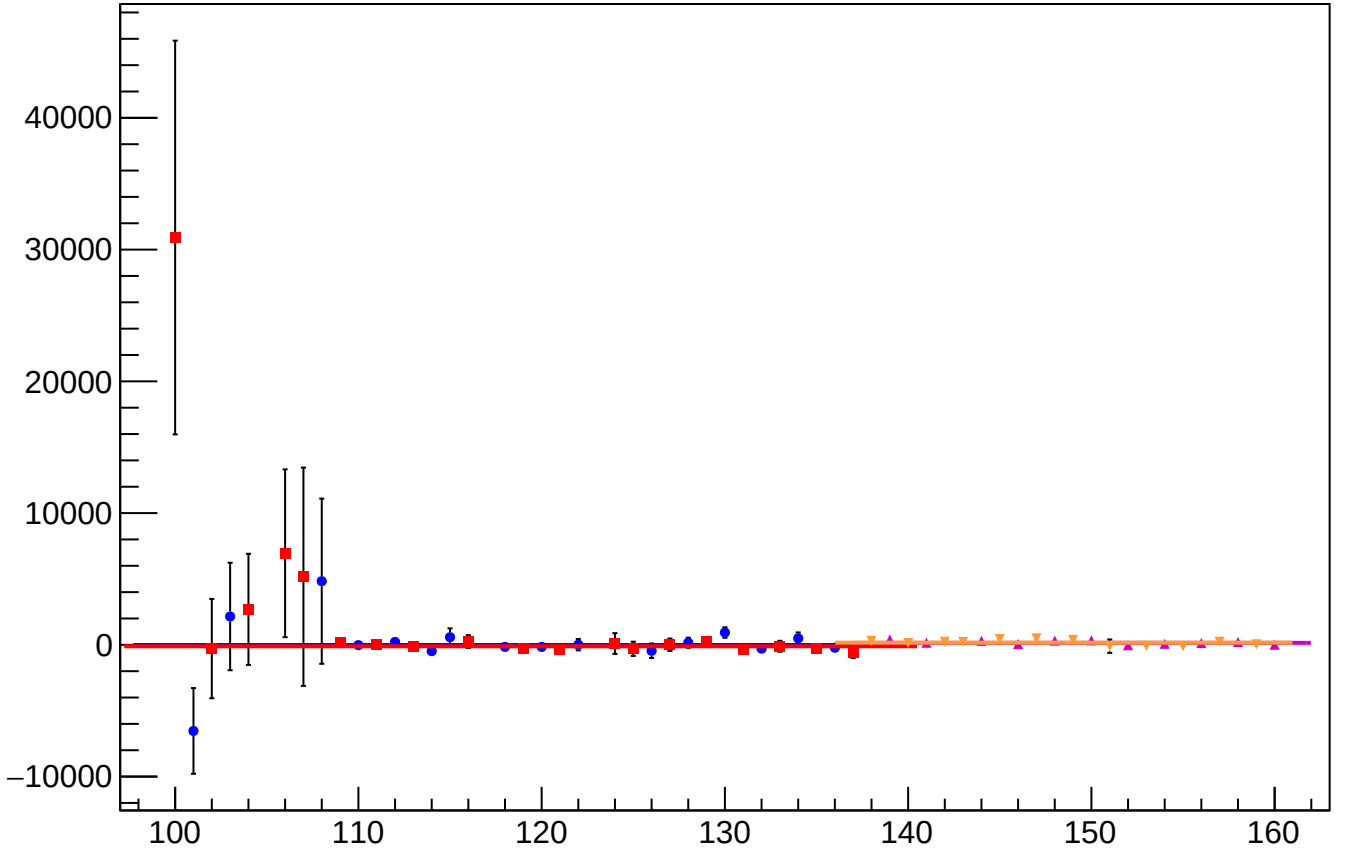
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.118+/-0.004 χ^2/NDF:31711.7/26

Out: 25.234+/-0.004 χ^2/NDF:25340.3/30

All: 25.176+/-0.003 χ^2/NDF: 57410.7/57

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 164.702+/-77.894 χ^2/NDF:5.3/11

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 150.549+/-63.248 χ^2/NDF:4.3/10

Left: 156.172+/-49.100 χ^2/NDF: 9.6/22

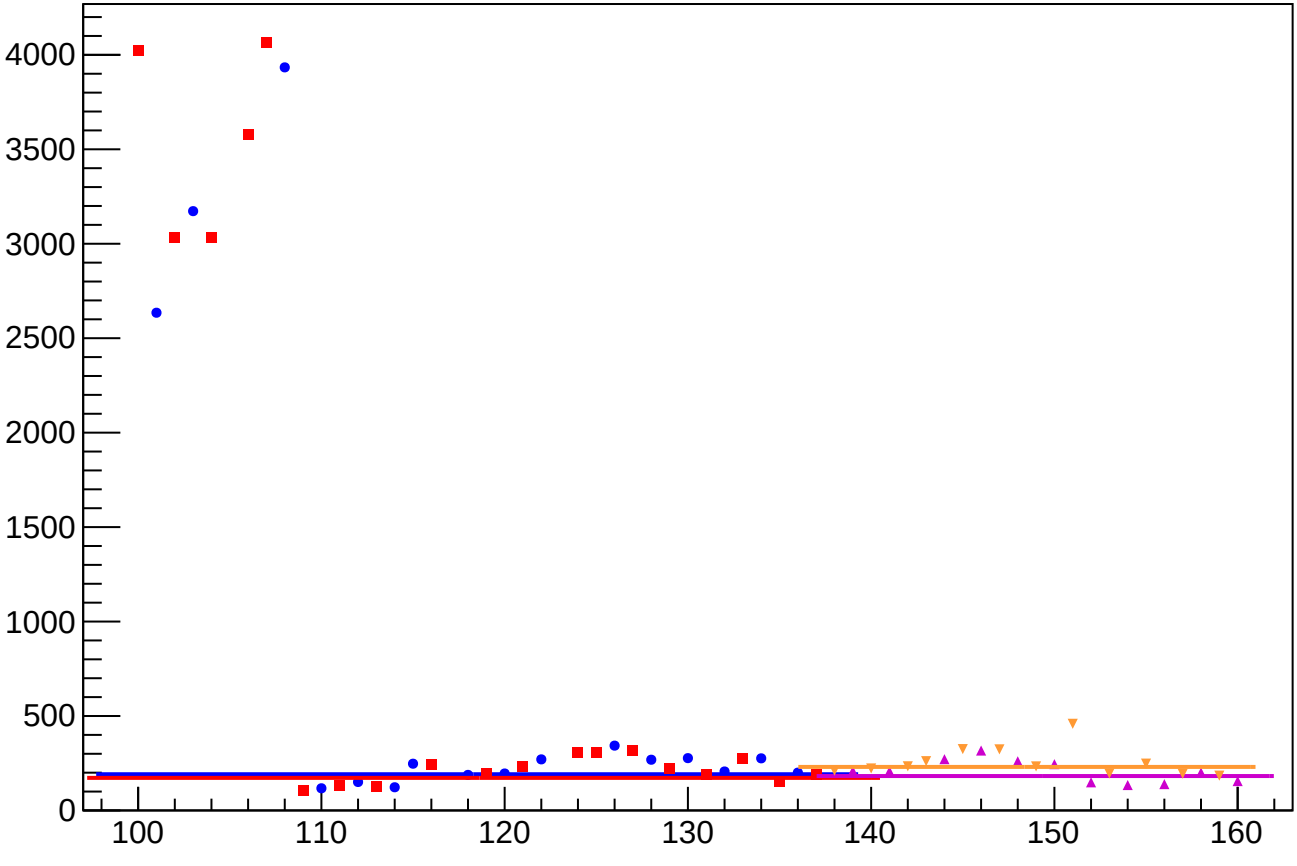
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 91.123+/-50.678 χ^2/NDF:25.0/26

Out: 28.297+/-55.152 χ^2/NDF:25.5/30

All: 62.361+/-37.316 χ^2/NDF: 51.2/57

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: 182.179+/-0.045 χ^2/NDF:1295586.0/10

Left: 201.367+/-0.035 χ^2/NDF: 2676696.5/22

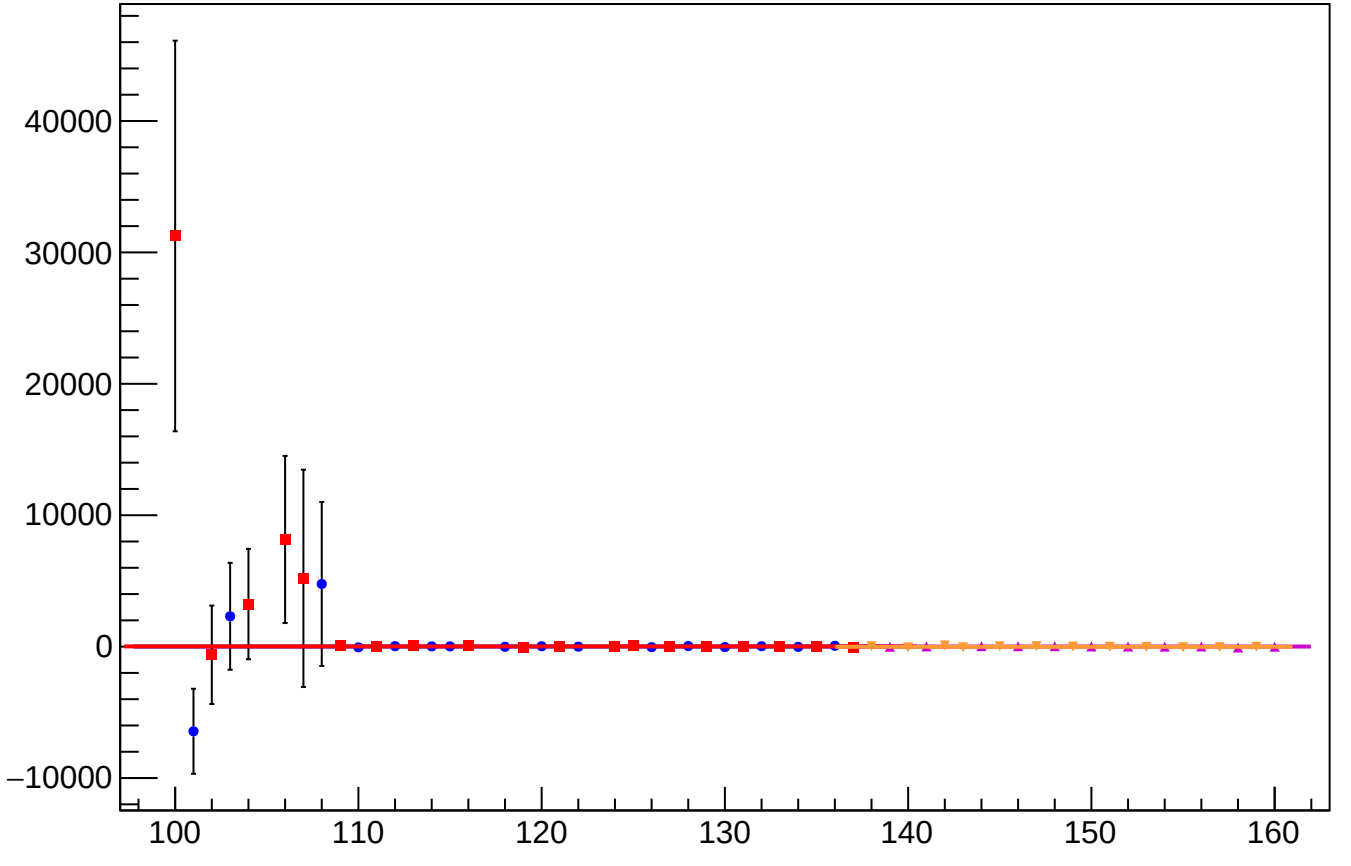
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 185.600+/-0.036 χ^2/NDF:5133736.1/26

Out: 201.542+/-0.039 χ^2/NDF:5774101.5/30

All: 192.899+/-0.026 χ^2/NDF: 10998444.9/57

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: 6.029+/-9.569 χ^2/NDF:9.8/10

Left: -3.188+/-6.776 χ^2/NDF: 25.9/22

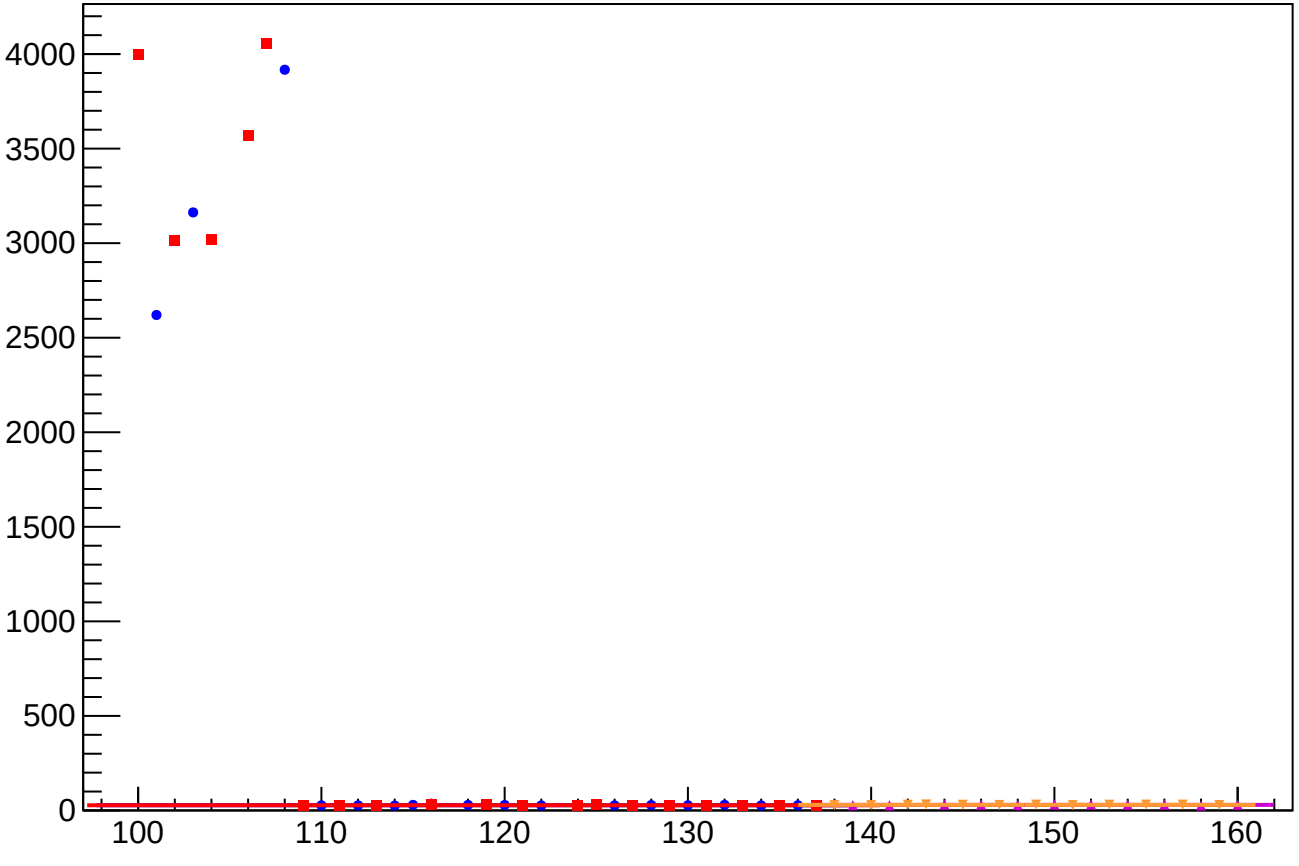
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.453+/-7.403 χ^2/NDF:25.9/26

Out: -0.297+/-7.447 χ^2/NDF:43.0/30

All: 3.601+/-5.250 χ^2/NDF: 69.4/57

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: 29.460+/-0.007 χ^2/NDF:66383.0/10

Left: 29.508+/-0.005 χ^2/NDF: 102089.7/22

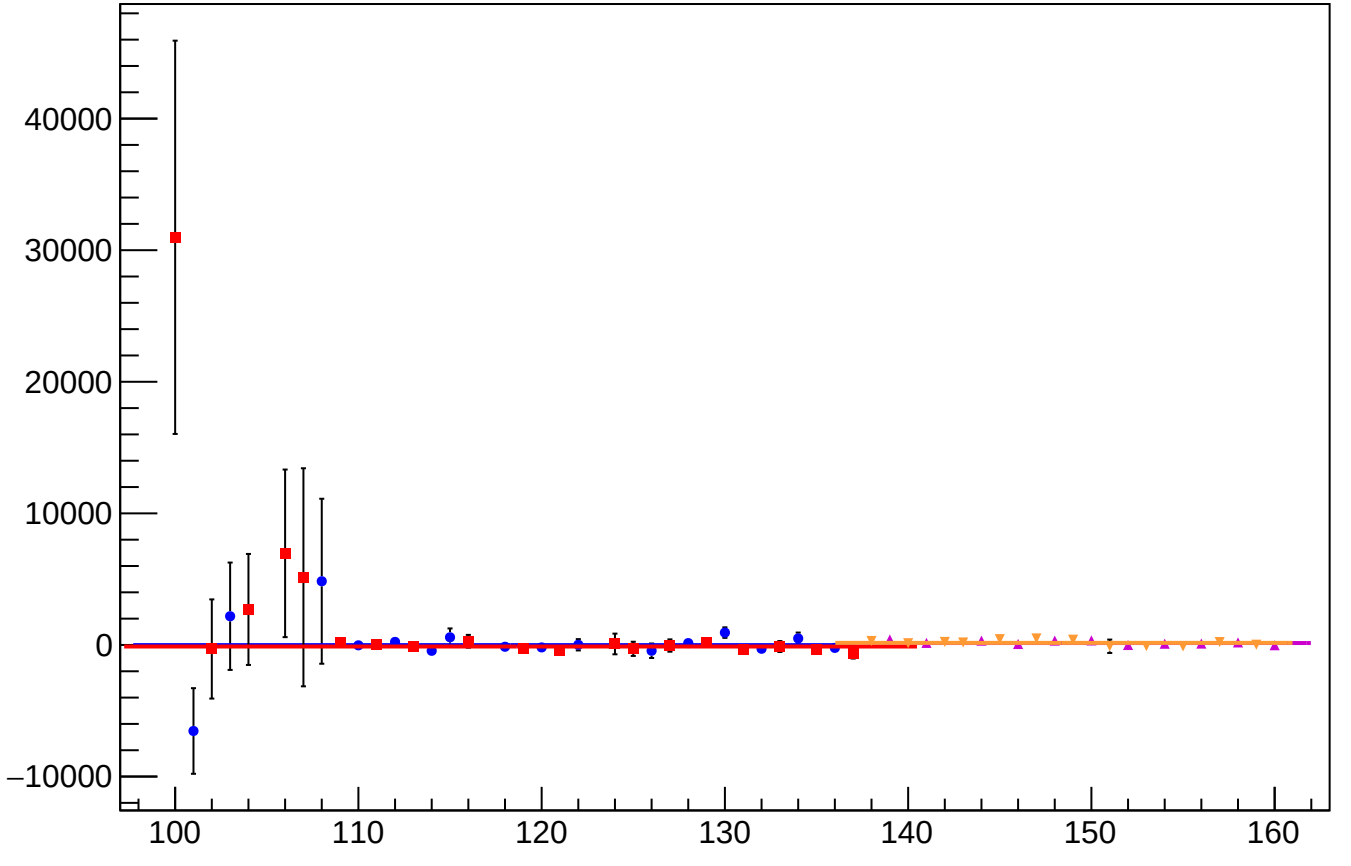
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.730+/-0.005 χ^2/NDF:3360868.2/26

Out: 28.752+/-0.005 χ^2/NDF:3626181.1/30

All: 28.741+/-0.004 χ^2/NDF: 6987058.3/57

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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: 146.976+/-63.126 χ^2/NDF:4.5/10

Left: 151.444+/-49.000 χ^2/NDF: 10.3/22

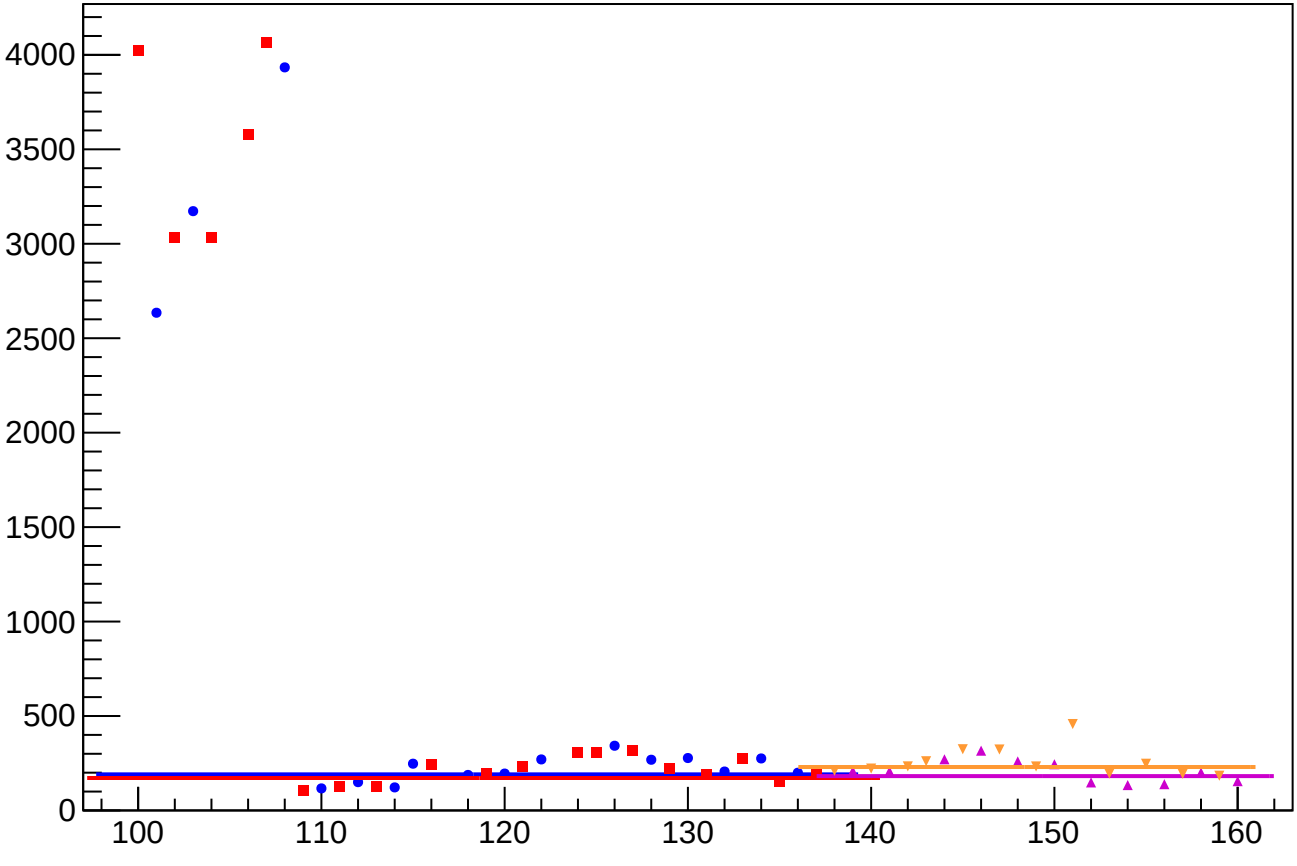
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 89.577+/-50.562 χ^2/NDF:25.1/26

Out: 20.328+/-55.007 χ^2/NDF:26.5/30

All: 57.863+/-37.225 χ^2/NDF: 52.5/57

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: 181.830+/-0.045 χ^2/NDF:1295531.2/10

Left: 200.961+/-0.035 χ^2/NDF: 2675479.2/22

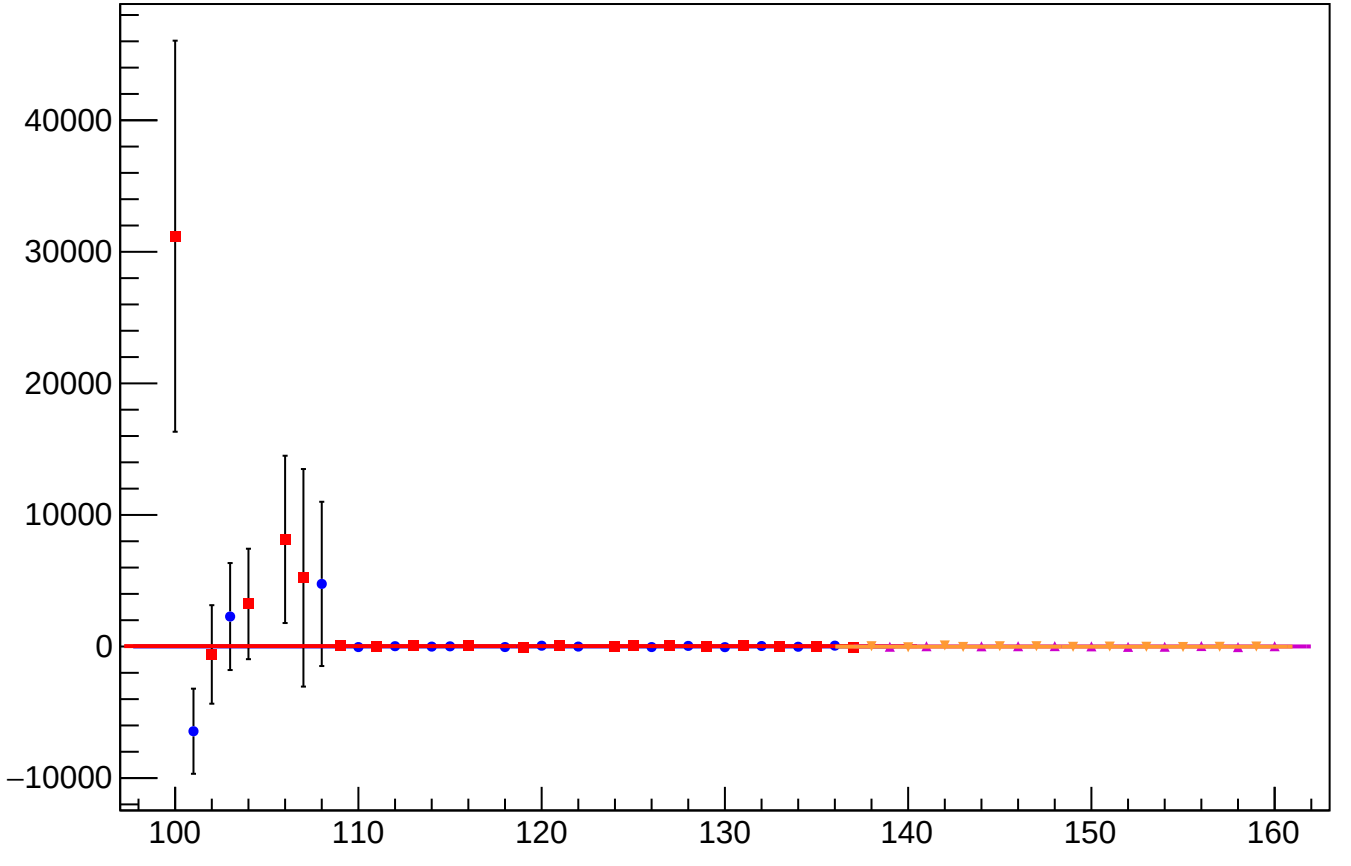
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.142+/-0.036 χ^2/NDF:5144843.1/26

Out: 200.951+/-0.039 χ^2/NDF:5790830.2/30

All: 192.382+/-0.026 χ^2/NDF: 11025212.6/57

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: 5.387+/-9.626 χ^2/NDF:7.5/10

Left: -1.818+/-6.823 χ^2/NDF: 18.8/22

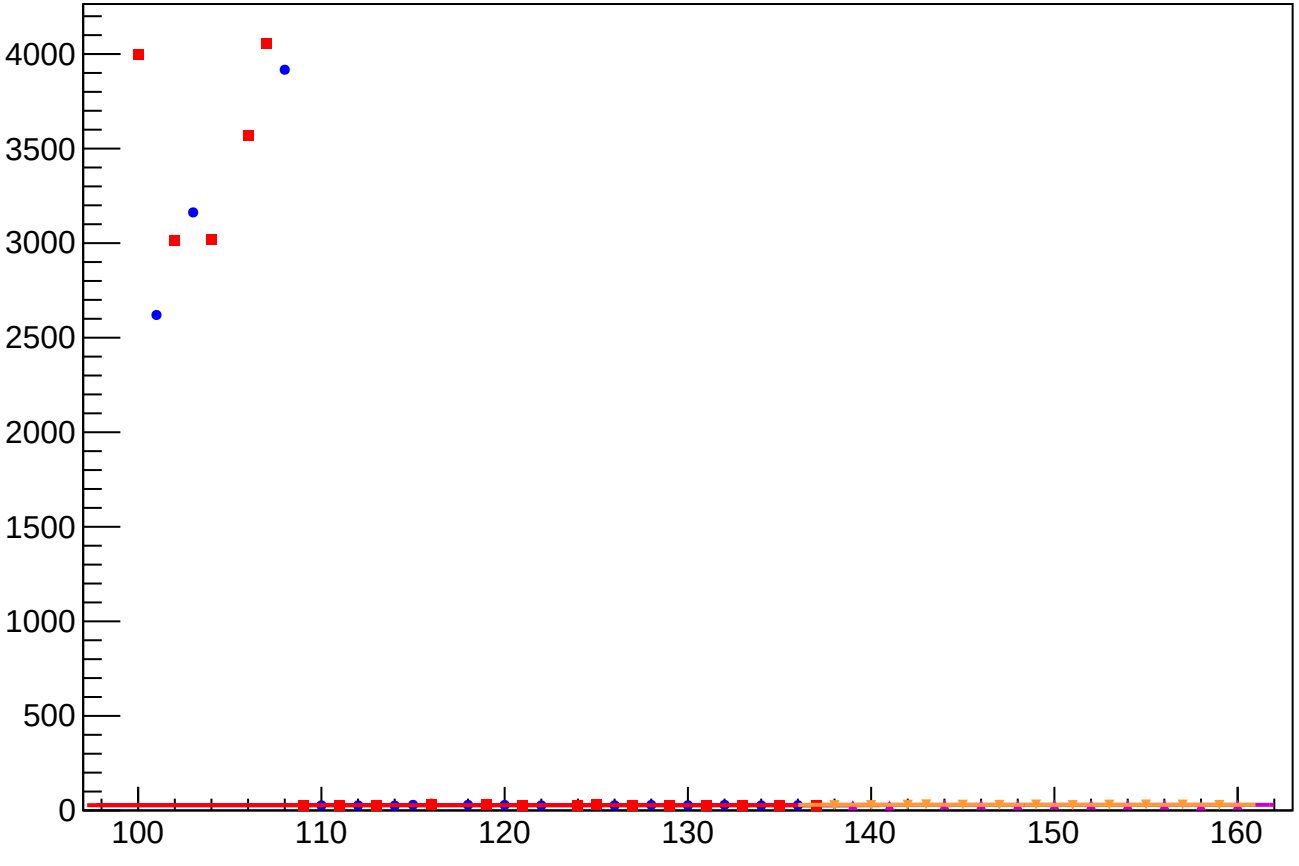
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 5.829+/-7.450 χ^2/NDF:25.8/26

Out: 6.840+/-7.506 χ^2/NDF:37.0/30

All: 6.331+/-5.288 χ^2/NDF: 62.7/57

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.783+/-0.007 χ^2/NDF:38521.5/11

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

Left: 29.711+/-0.005 χ^2/NDF: 107496.2/22

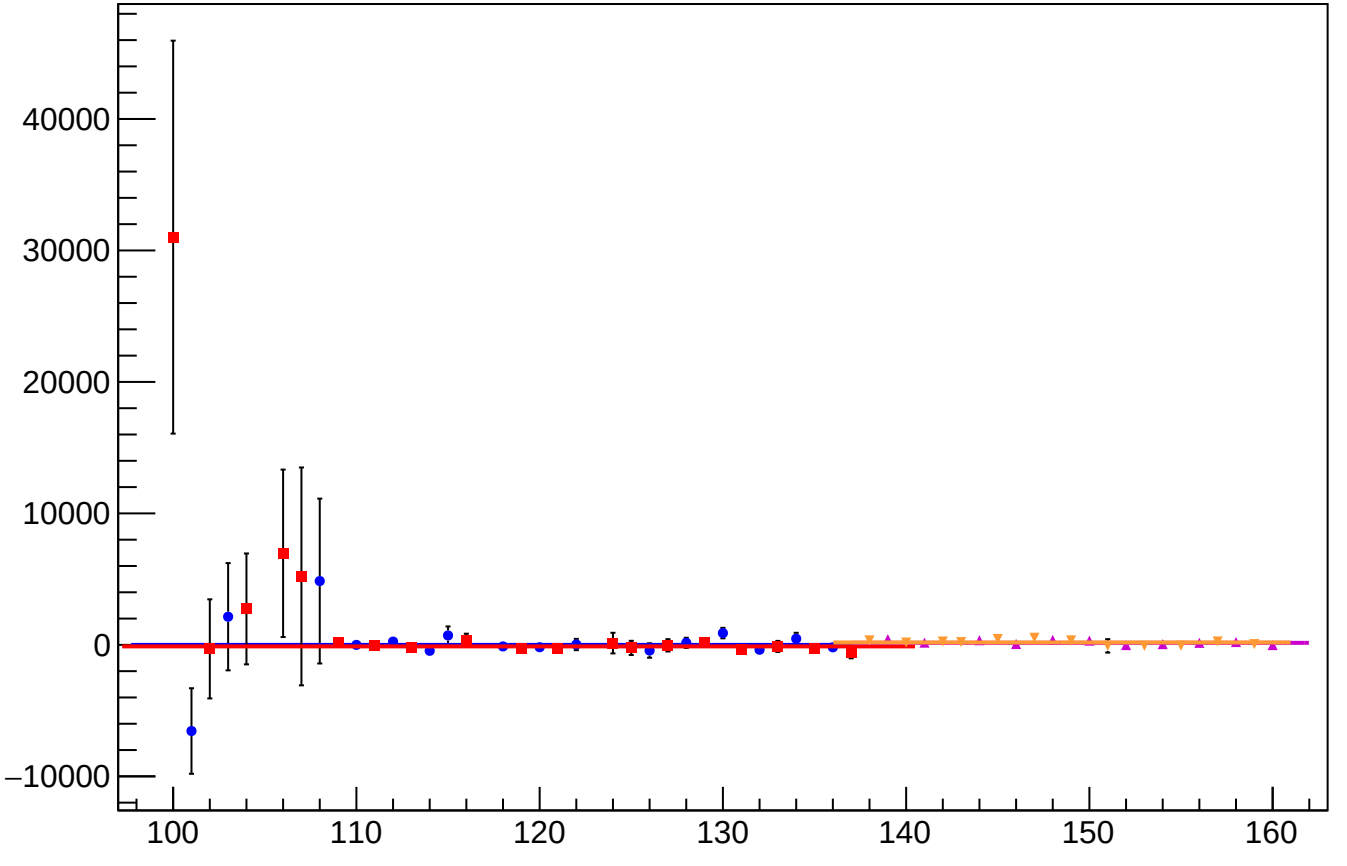
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.911+/-0.005 χ^2/NDF:3363137.2/26

Out: 28.976+/-0.005 χ^2/NDF:3632225.2/30

All: 28.943+/-0.004 χ^2/NDF: 6995436.4/57

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: 153.945+/-63.962 χ^2/NDF:5.1/10

Left: 165.674+/-49.599 χ^2/NDF: 10.3/22

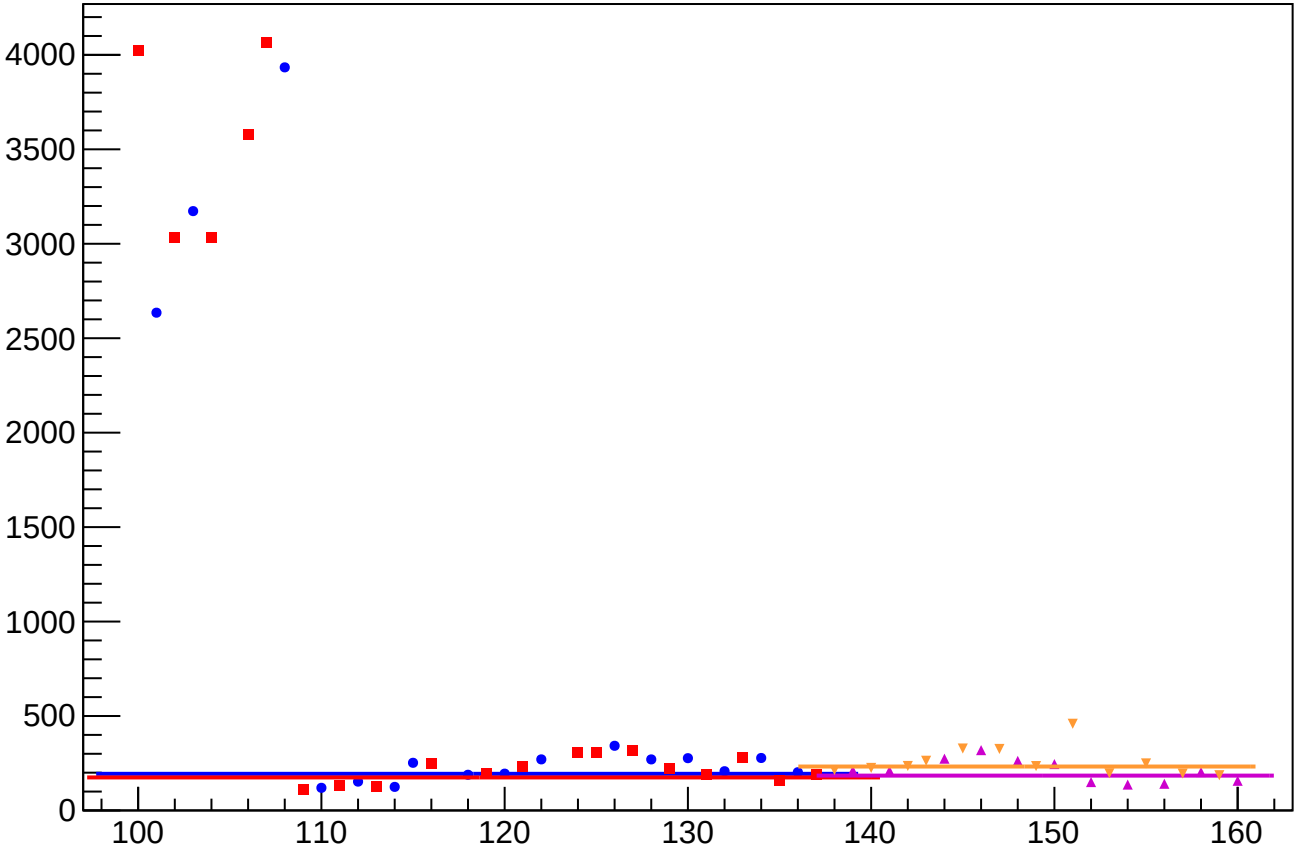
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 97.709+/-51.218 χ^2/NDF:25.4/26

Out: 34.569+/-55.685 χ^2/NDF:26.2/30

All: 68.773+/-37.697 χ^2/NDF: 52.3/57

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: 184.453+/-0.045 χ^2/NDF:1271840.0/10

Left: 203.628+/-0.035 χ^2/NDF: 2630121.3/22

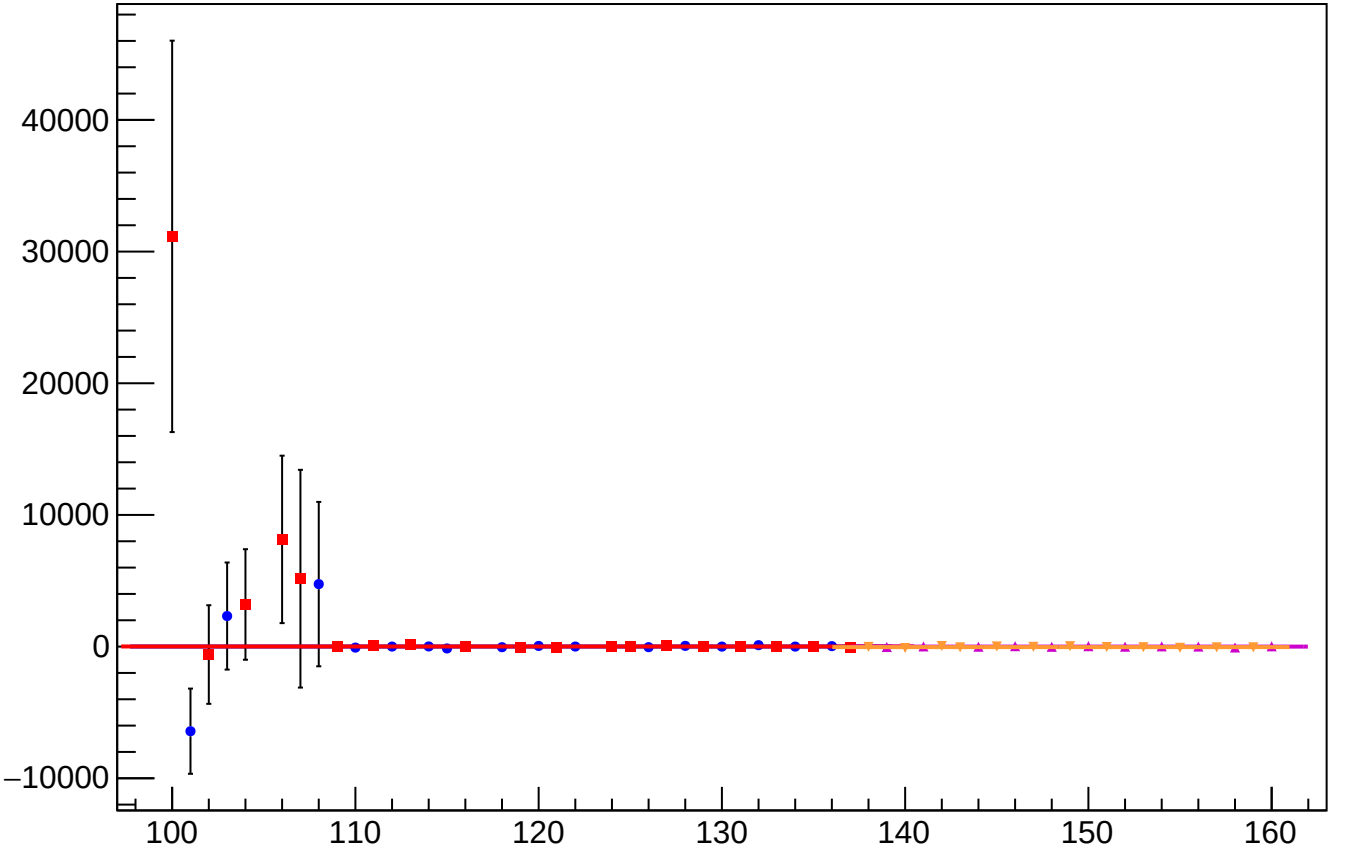
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 187.859+/-0.036 χ^2/NDF:5072115.9/26

Out: 203.811+/-0.039 χ^2/NDF:5704853.0/30

All: 195.169+/-0.027 χ^2/NDF: 10865878.5/57

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: -0.772+/-11.348 χ^2/NDF:6.6/10

Left: -19.684+/-8.029 χ^2/NDF: 25.4/22

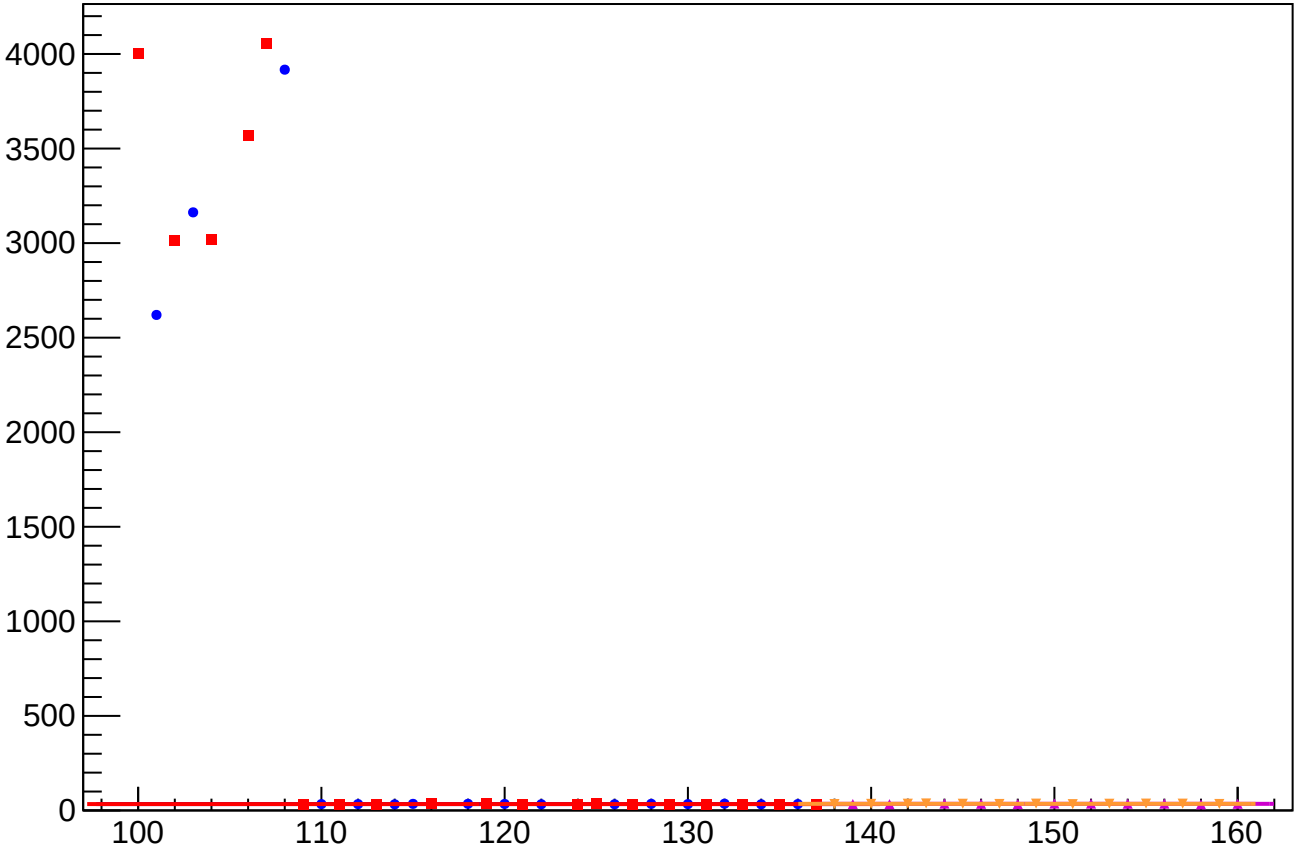
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 1.713+/-8.891 χ^2/NDF:24.2/26

Out: -20.029+/-8.927 χ^2/NDF:43.6/30

All: -9.114+/-6.300 χ^2/NDF: 70.8/57

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: 35.015+/-0.008 χ^2/NDF:25785.1/10

Left: 35.028+/-0.006 χ^2/NDF: 42803.9/22

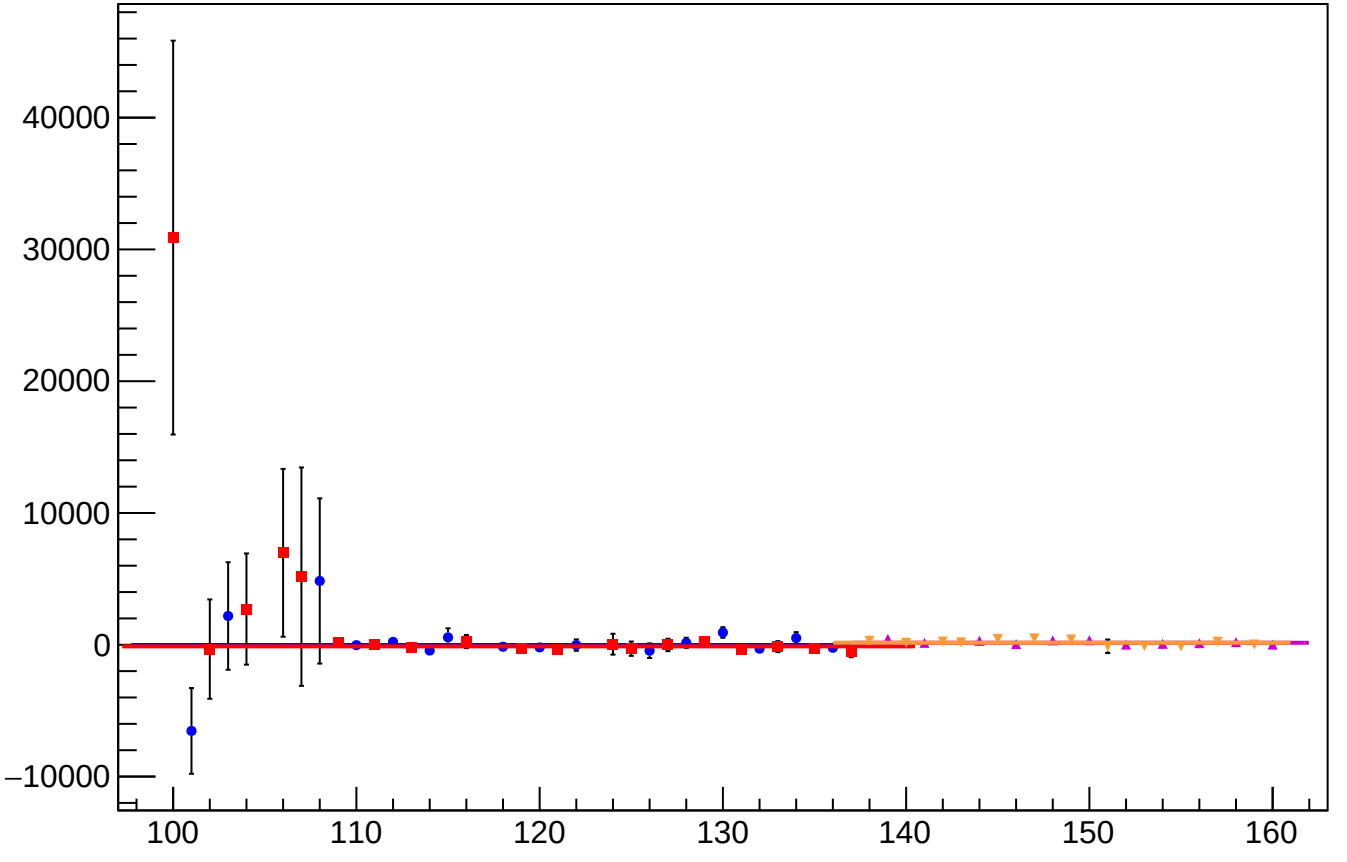
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.584+/-0.006 χ^2/NDF:3277629.8/26

Out: 34.538+/-0.006 χ^2/NDF:3553738.5/30

All: 34.561+/-0.004 χ^2/NDF: 6831394.6/57

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: 153.905+/-63.741 χ^2/NDF:4.3/10

Left: 155.989+/-49.428 χ^2/NDF: 10.1/22

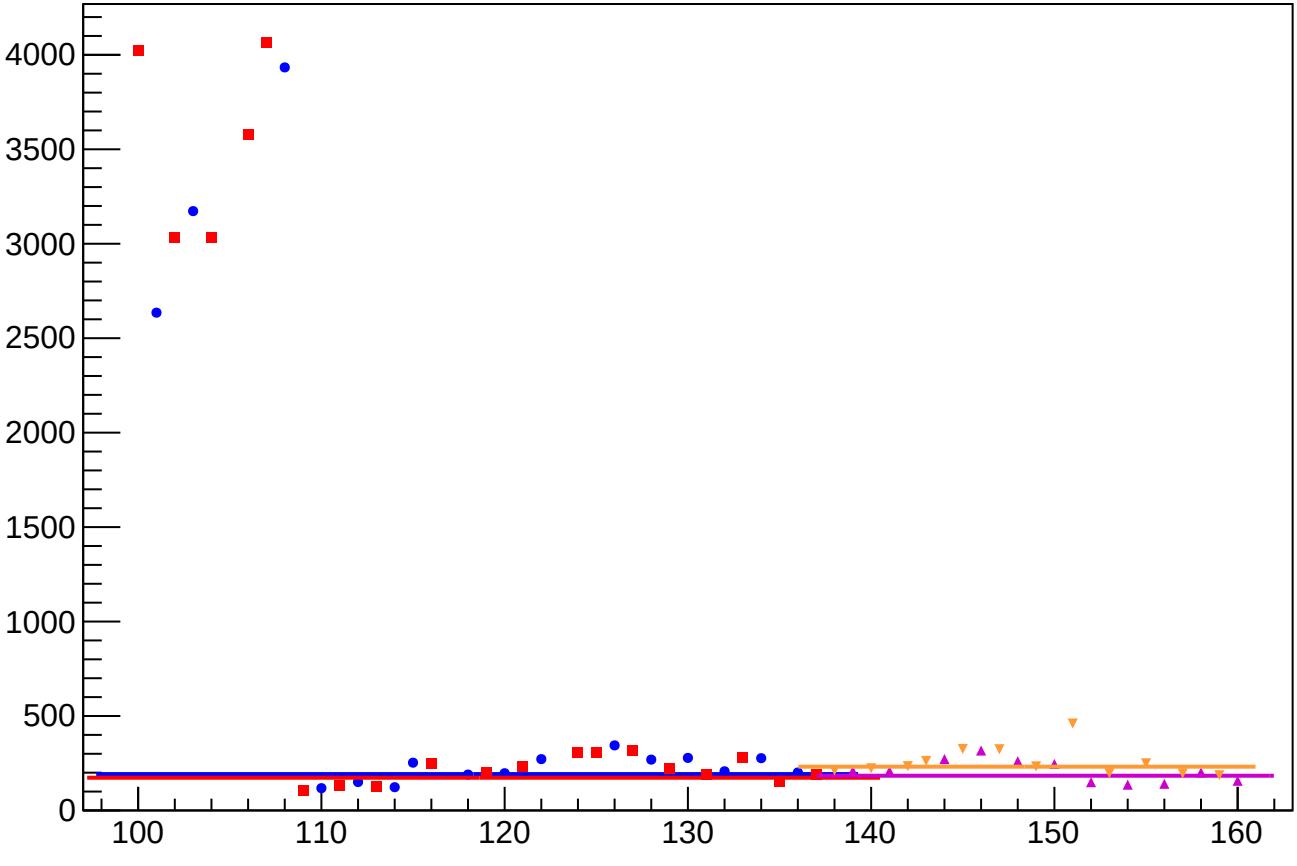
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 91.541+/-51.009 χ^2/NDF:25.2/26

Out: 19.915+/-55.415 χ^2/NDF:25.4/30

All: 58.688+/-37.530 χ^2/NDF: 51.5/57

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: 183.841+/-0.045 χ^2/NDF:1257023.0/10

Left: 202.944+/-0.035 χ^2/NDF: 2610841.7/22

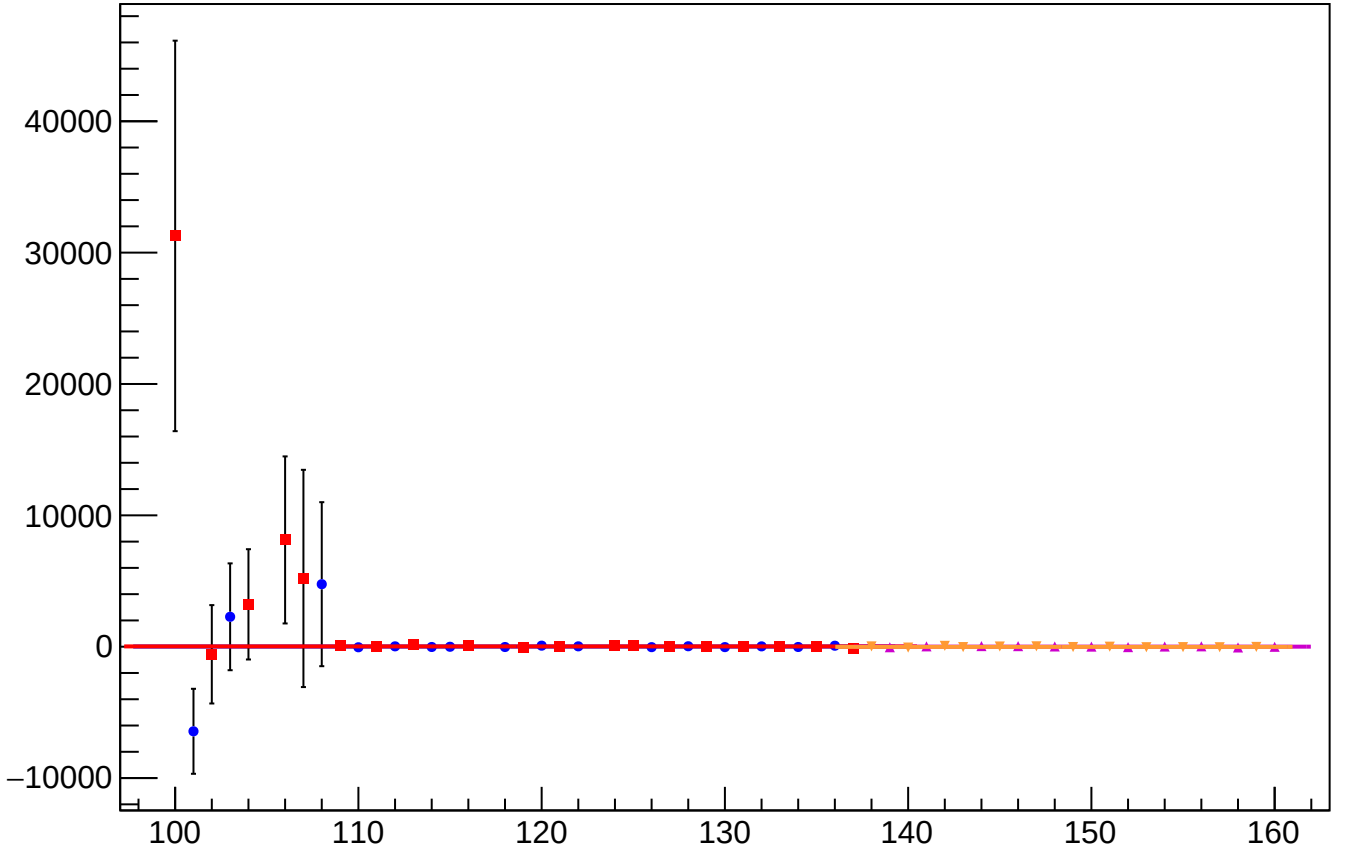
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 186.976+/-0.036 χ^2/NDF:5093268.4/26

Out: 202.567+/-0.039 χ^2/NDF:5768035.1/30

All: 194.128+/-0.027 χ^2/NDF: 10947003.5/57

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: 3.719+/-10.297 χ^2/NDF:10.7/10

Left: -4.867+/-7.299 χ^2/NDF: 22.1/22

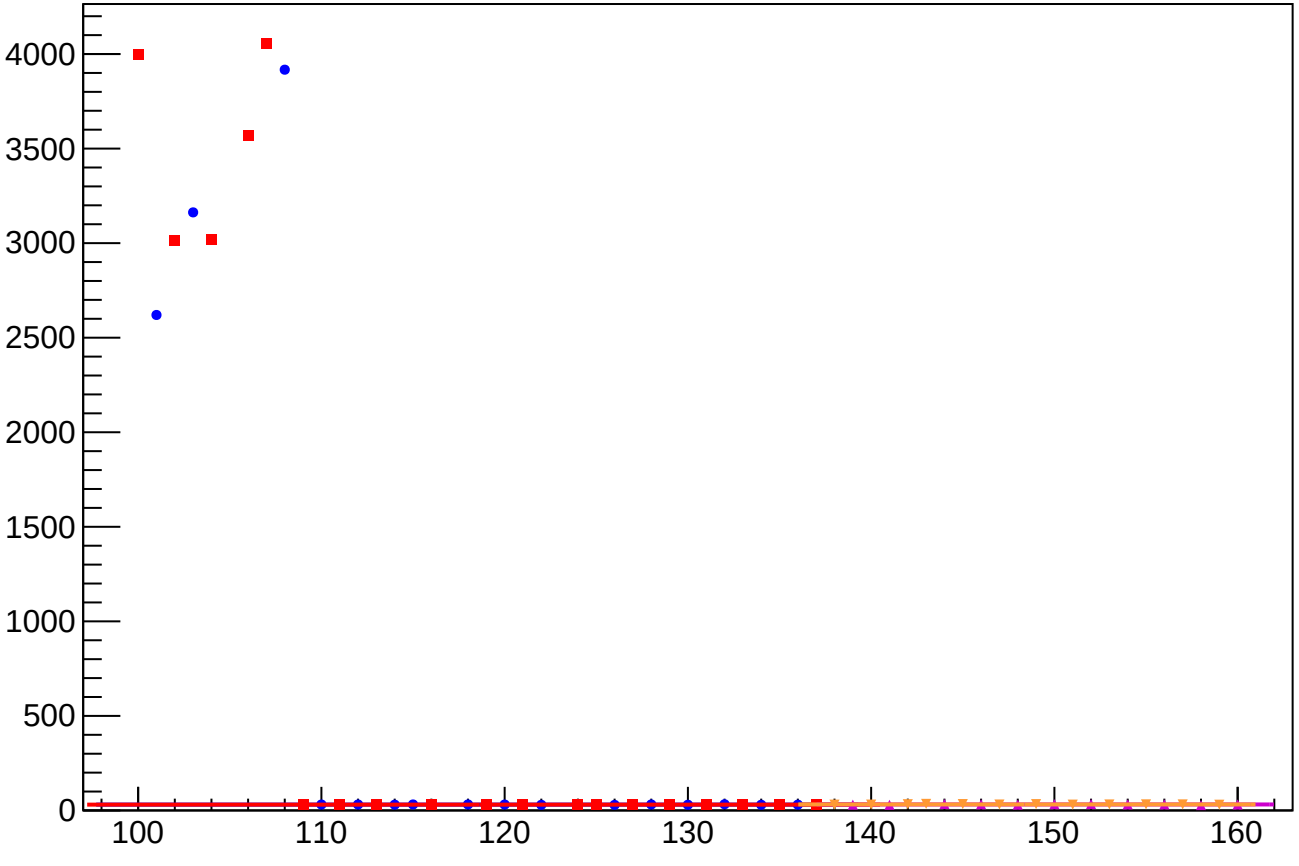
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 7.549+/-8.086 χ^2/NDF:26.5/26

Out: 0.483+/-8.140 χ^2/NDF:43.4/30

All: 4.039+/-5.737 χ^2/NDF: 70.4/57

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.884+/-0.007 χ^2/NDF:30653.5/11

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

Left: 31.801+/-0.005 χ^2/NDF: 84052.1/22

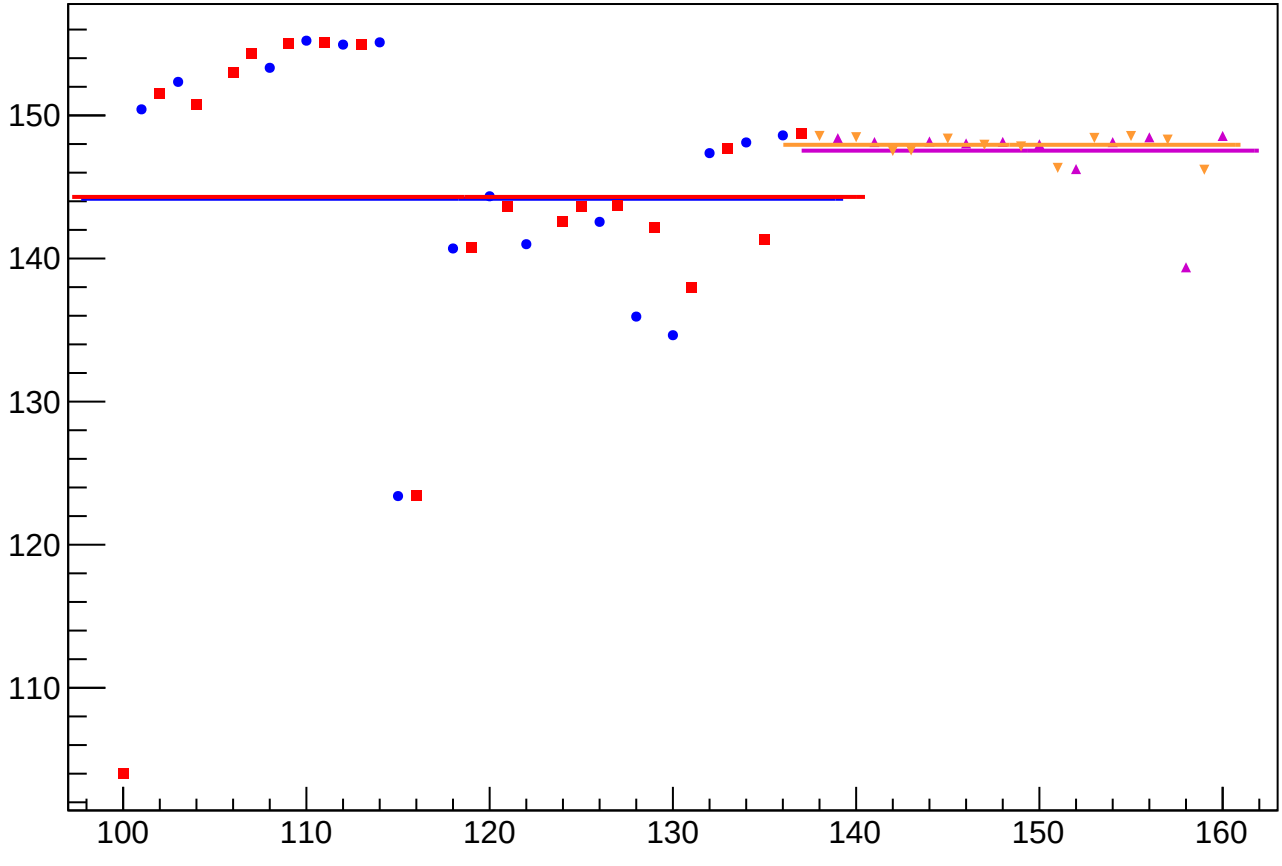
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.415+/-0.006 χ^2/NDF:3310256.4/26

Out: 31.462+/-0.006 χ^2/NDF:3575619.2/30

All: 31.439+/-0.004 χ^2/NDF: 6885908.4/57

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: 147.538+/-0.000 χ^2/NDF:284142704.7/10

Left: 147.750+/-0.000 χ^2/NDF: 321894174.0/22

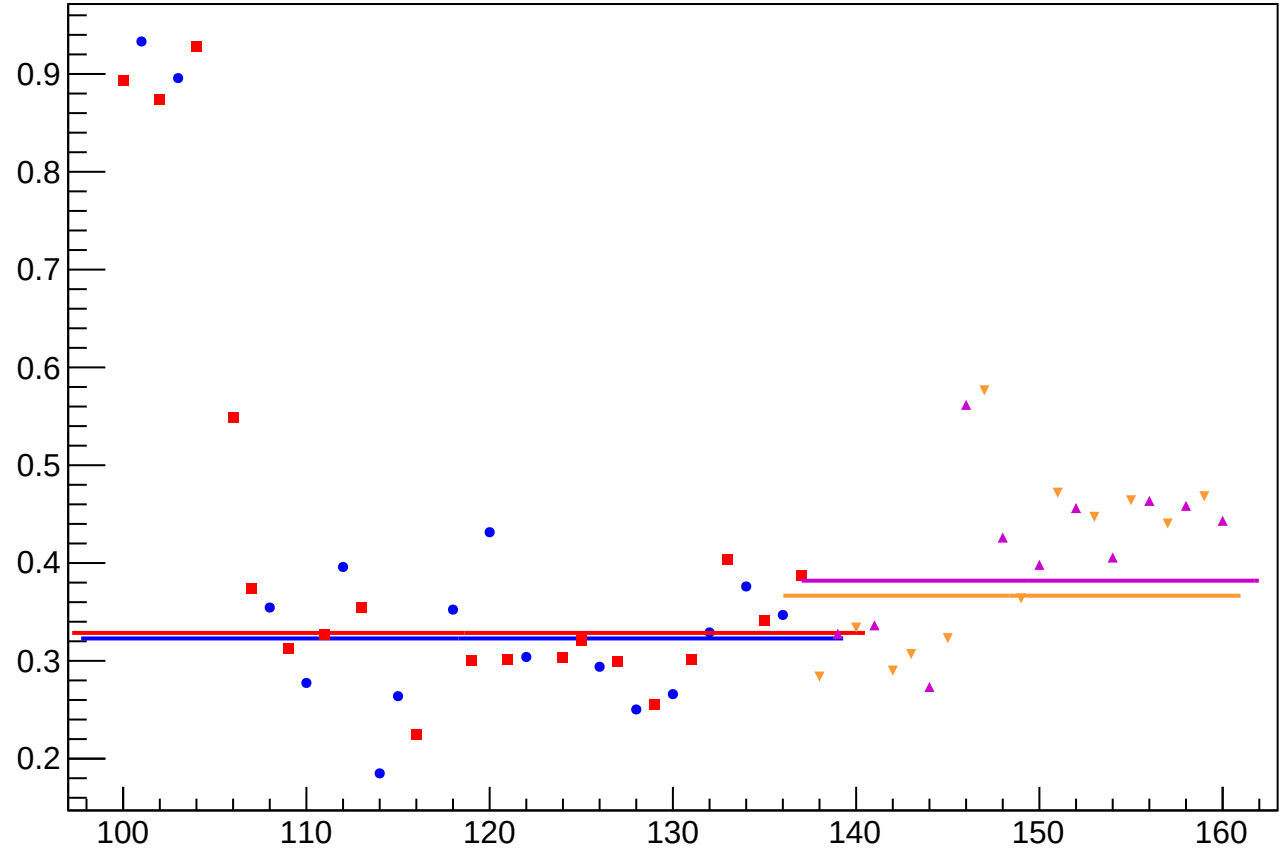
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.897+/-0.000 χ^2/NDF:4339047716.2/26

Out: 146.247+/-0.000 χ^2/NDF:4696506667.9/30

All: 146.075+/-0.000 χ^2/NDF: 9042818193.1

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: 0.382+/-0.000 χ^2/NDF:715024.4/10

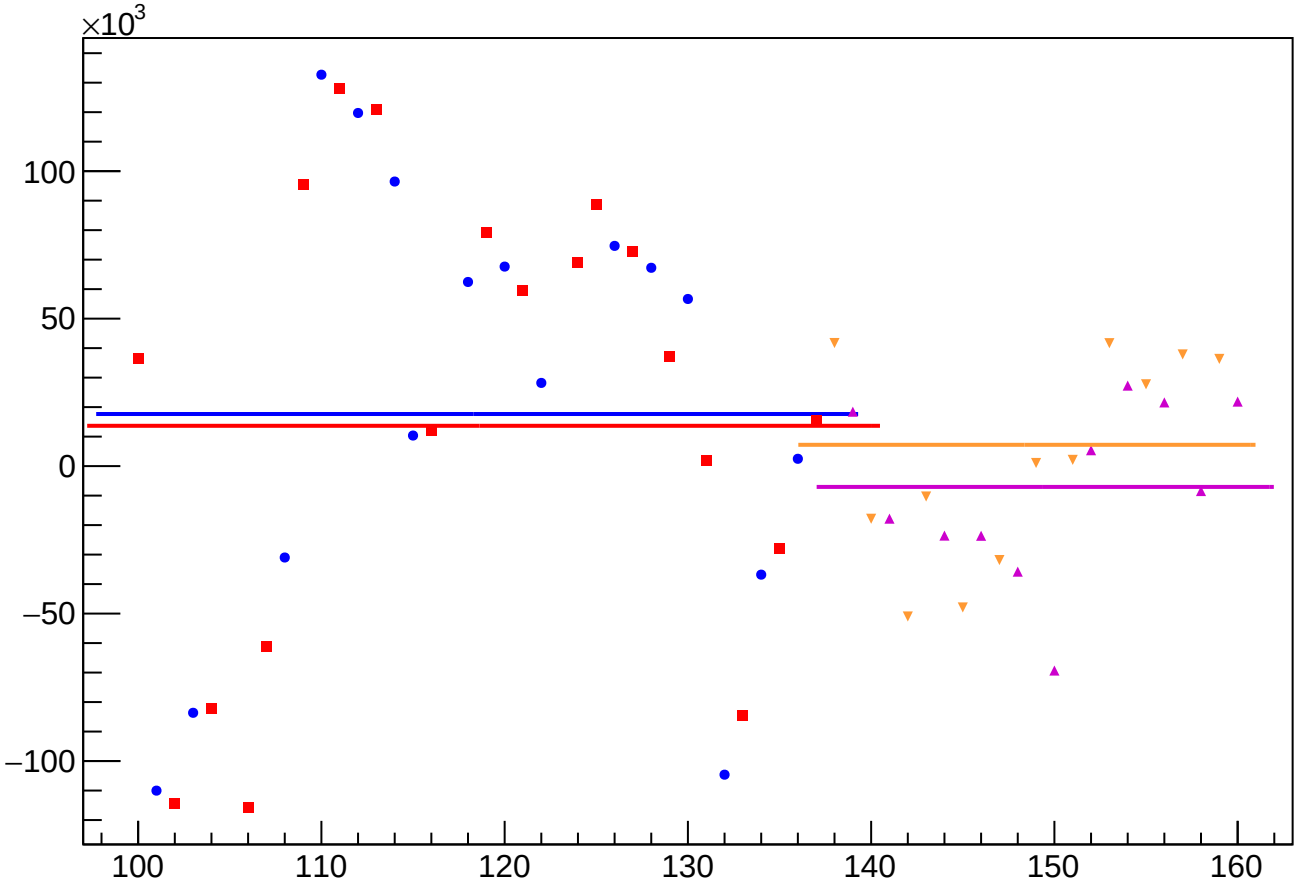
Left: 0.374+/-0.000 χ^2/NDF: 1542228.8/22

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.353+/-0.000 χ^2/NDF:2314976.2/26

Out: 0.349+/-0.000 χ^2/NDF:2203914.9/30

All: 0.351+/-0.000 χ^2/NDF: 4521066.7/57



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: -7053.793+/-1.611 χ^2/NDF:335837467.1/10

Left: 89.273+/-1.138 χ^2/NDF: 766229371.5/22

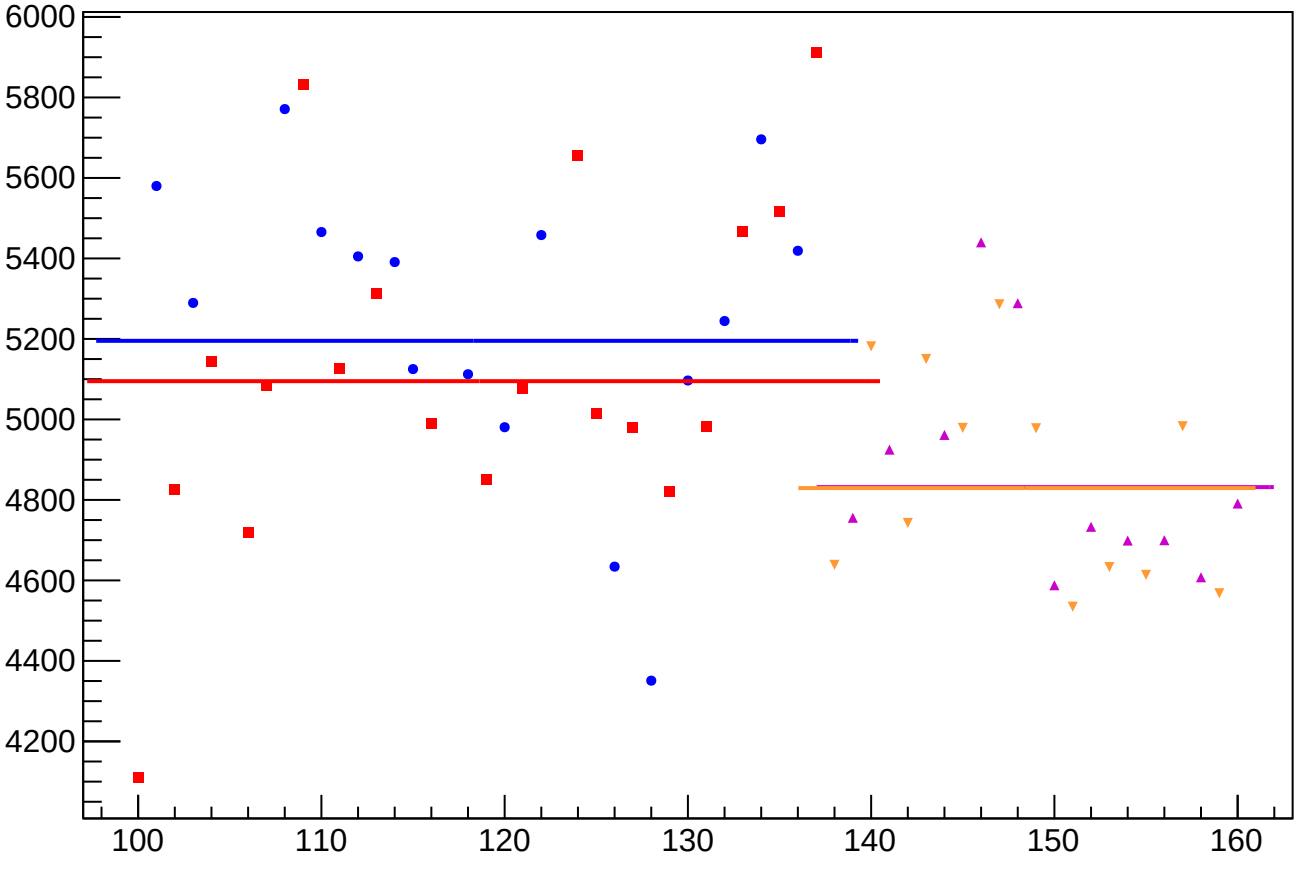
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 2637.173+/-1.256 χ^2/NDF:1826920642.6/26

Out: 9874.198+/-1.235 χ^2/NDF:2254634663.1/30

All: 6316.738+/-0.880 χ^2/NDF: 4098441789.

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: 4831.787+/-1.139 χ^2/NDF:46068.8/10

Left: 4830.595+/-0.805 χ^2/NDF: 96184.2/22

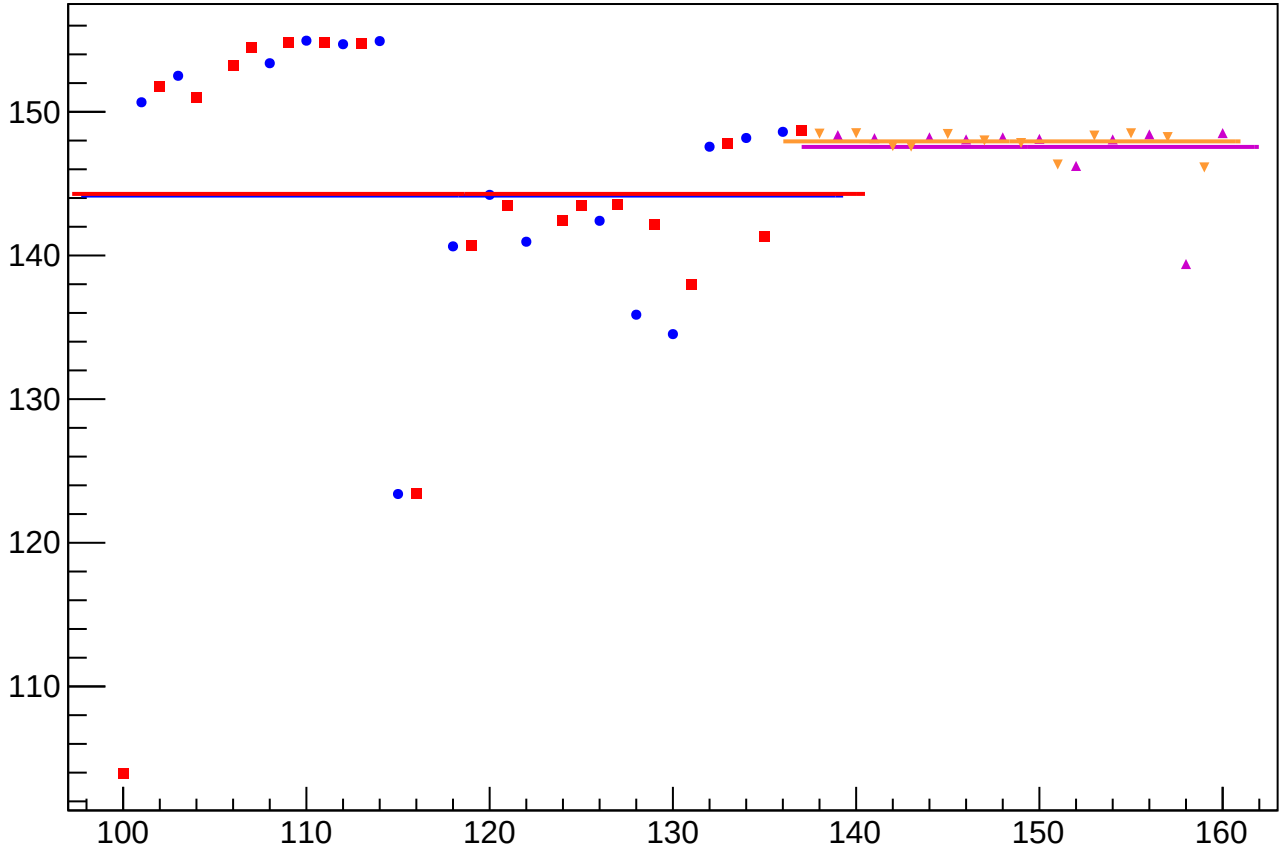
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4974.308+/-0.888 χ^2/NDF:163180.1/26

Out: 4938.709+/-0.873 χ^2/NDF:131641.9/30

All: 4956.208+/-0.623 χ^2/NDF: 295639.2/57

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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: 147.557+/-0.000 χ^2/NDF:285117935.9/10

Left: 147.758+/-0.000 χ^2/NDF: 322320072.2/22

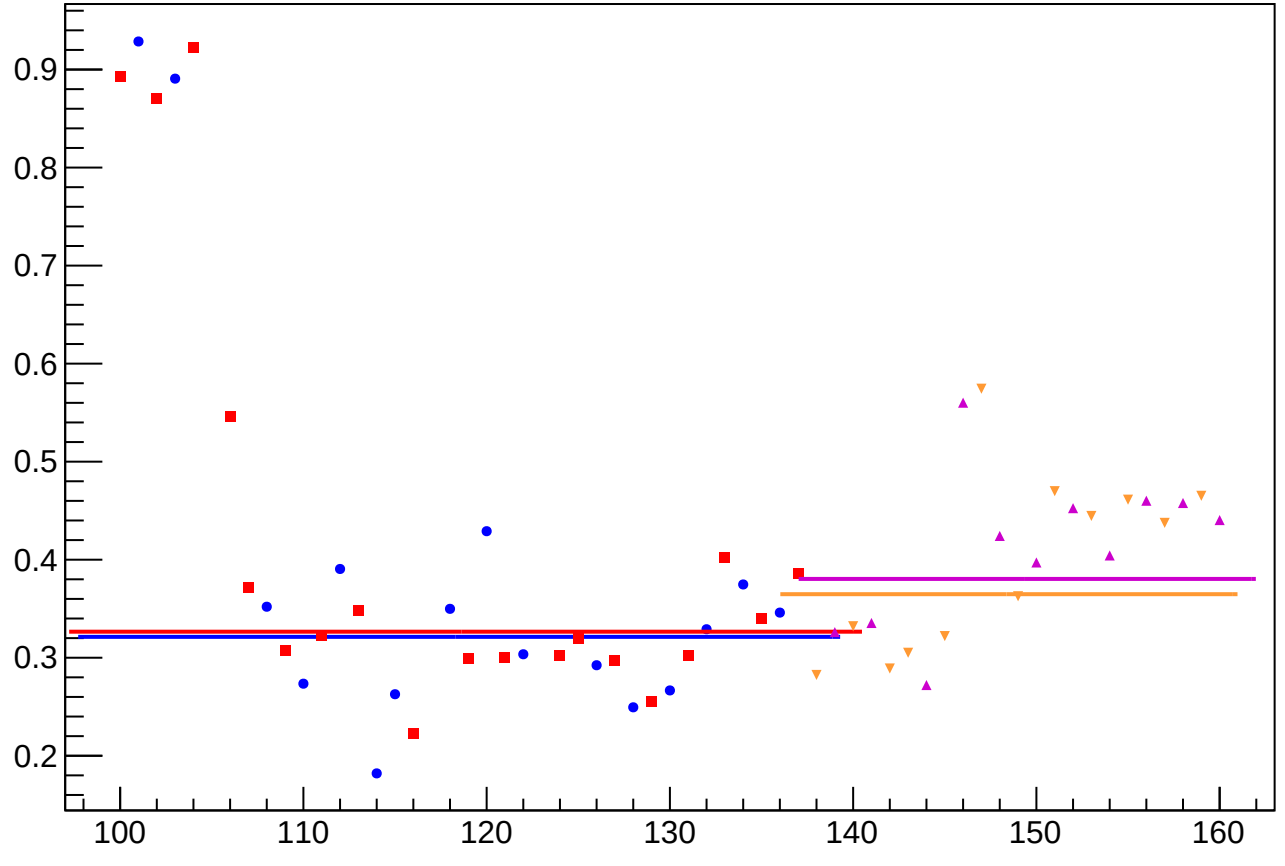
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.904+/-0.000 χ^2/NDF:4387971194.4/26

Out: 146.235+/-0.000 χ^2/NDF:4729824861.3/30

All: 146.072+/-0.000 χ^2/NDF: 9124369976.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.365+/-0.000 χ^2/NDF:810710.2/11

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.380+/-0.000 χ^2/NDF:713011.2/10

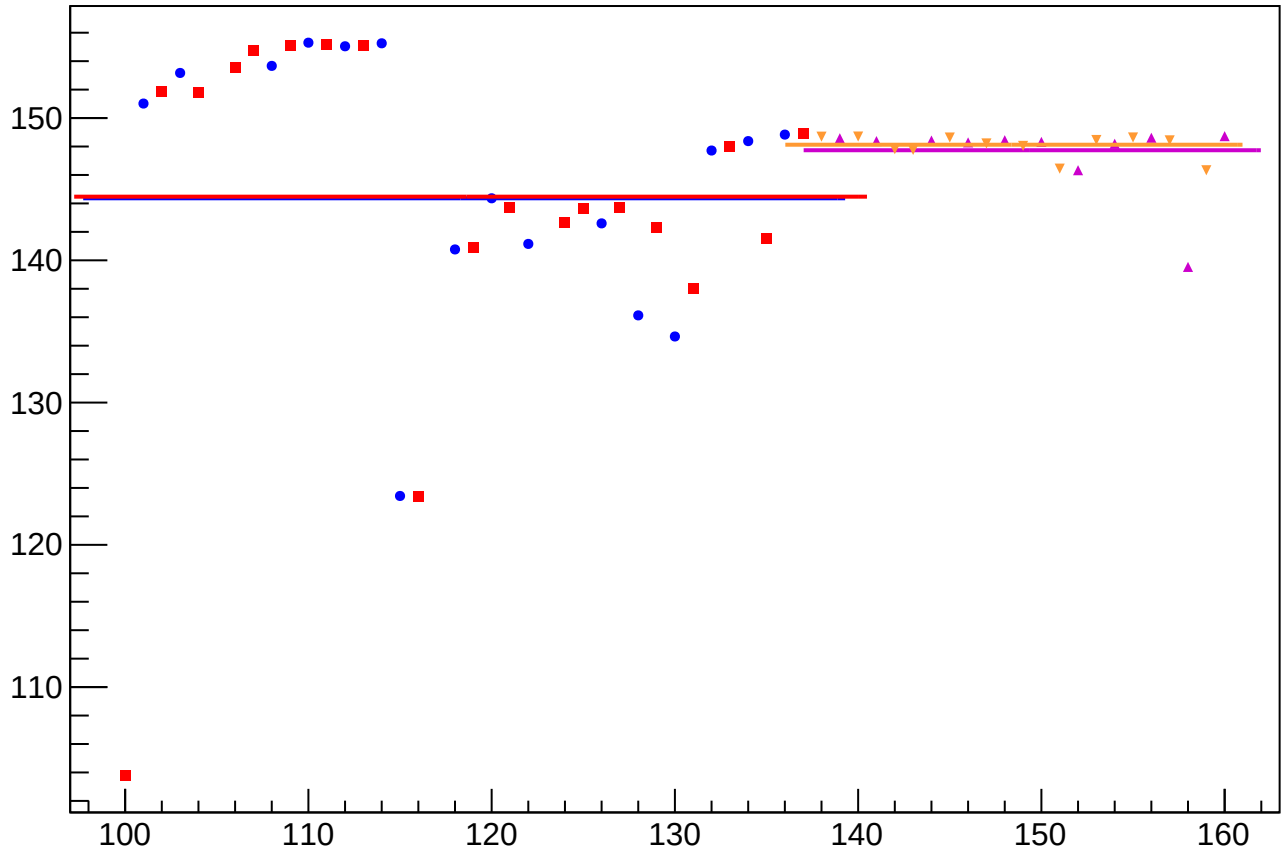
Left: 0.372+/-0.000 χ^2/NDF: 1538913.7/22

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.352+/-0.000 χ^2/NDF:2315207.5/26

Out: 0.347+/-0.000 χ^2/NDF:2202542.7/30

All: 0.349+/-0.000 χ^2/NDF: 4520271.5/57



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: 147.738+/-0.000 χ^2/NDF:289515520.6/10

Left: 147.939+/-0.000 χ^2/NDF: 326770116.9/22

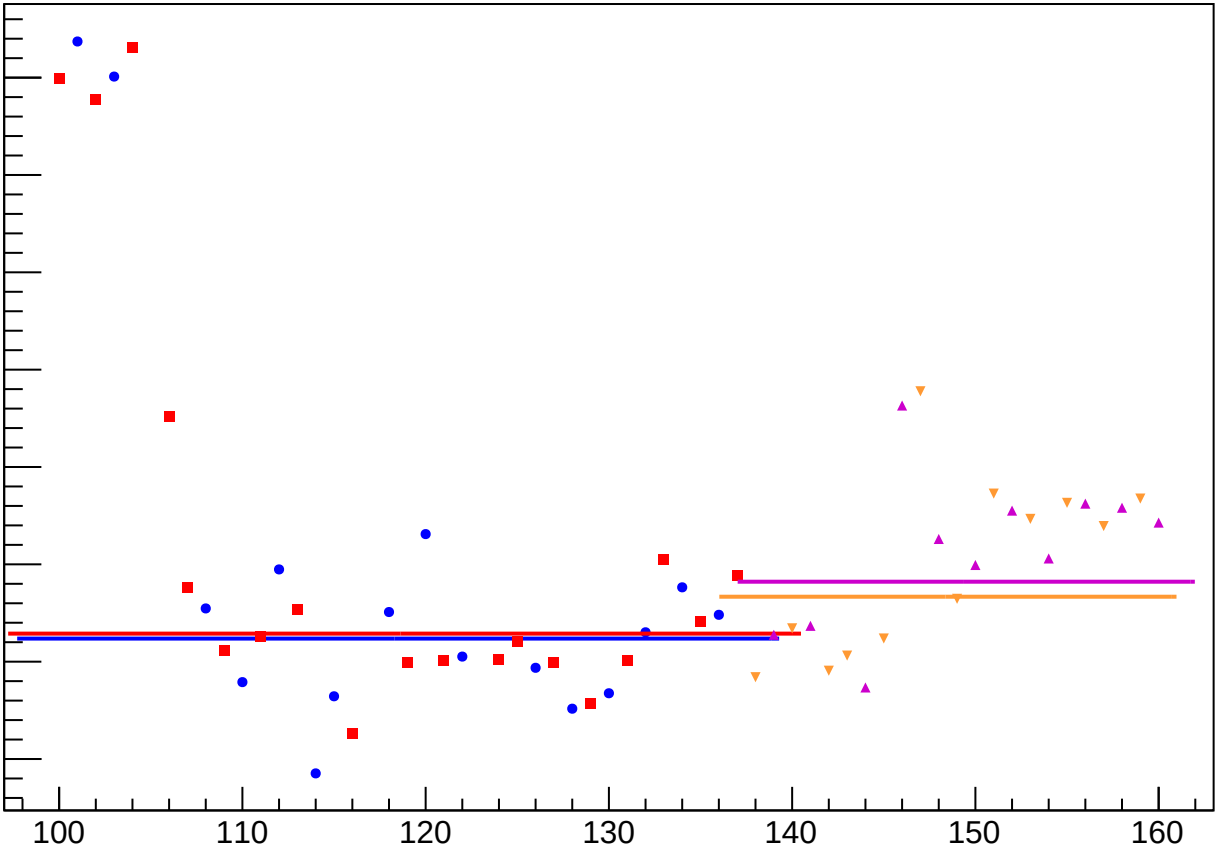
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.093+/-0.000 χ^2/NDF:4380508794.3/26

Out: 146.423+/-0.000 χ^2/NDF:4715561668.2/30

All: 146.261+/-0.000 χ^2/NDF: 9102530602.0

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: 0.382+/-0.000 χ^2/NDF:711993.7/10

Left: 0.374+/-0.000 χ^2/NDF: 1536381.3/22

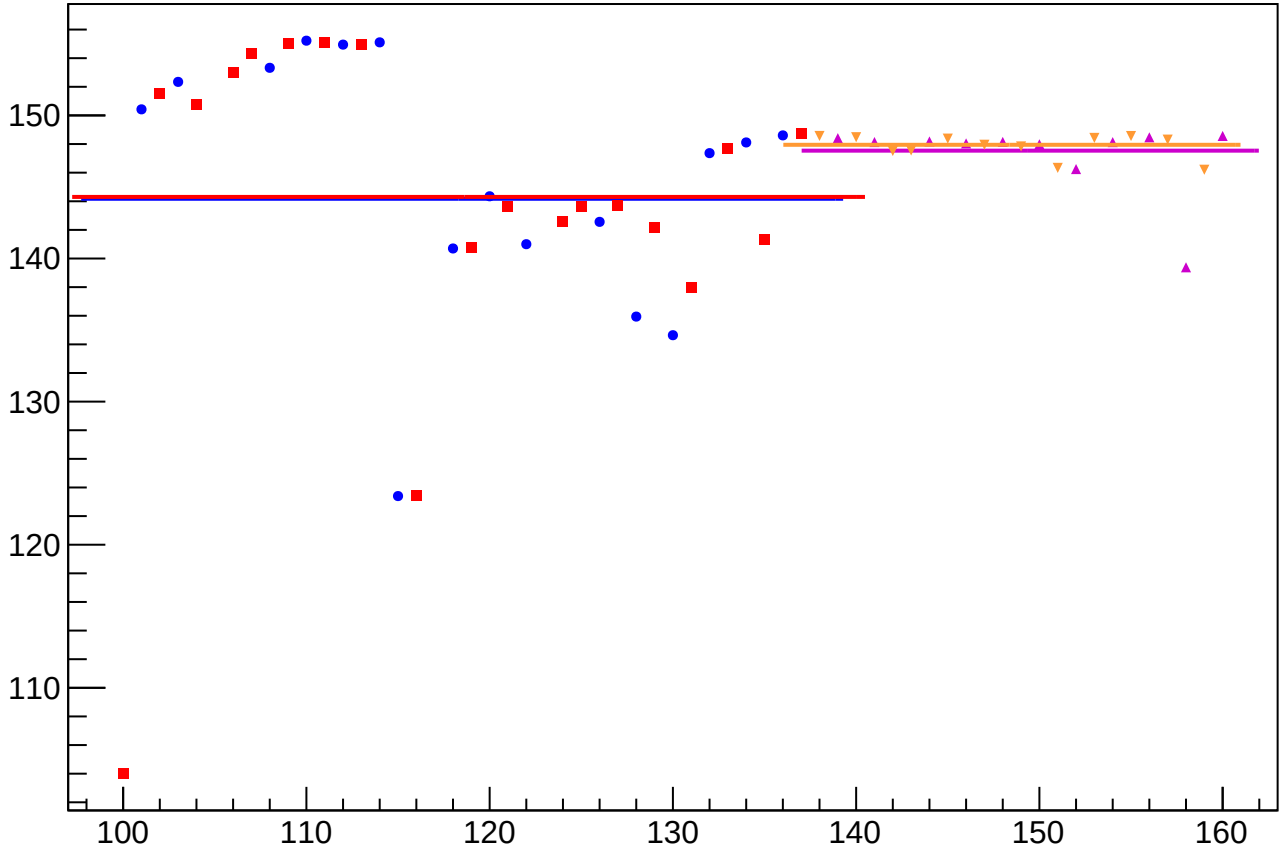
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.354+/-0.000 χ^2/NDF:2303372.6/26

Out: 0.349+/-0.000 χ^2/NDF:2199289.0/30

All: 0.351+/-0.000 χ^2/NDF: 4505214.8/57

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: 147.538+/-0.000 χ^2/NDF:284142704.7/10

Left: 147.750+/-0.000 χ^2/NDF: 321894174.0/22

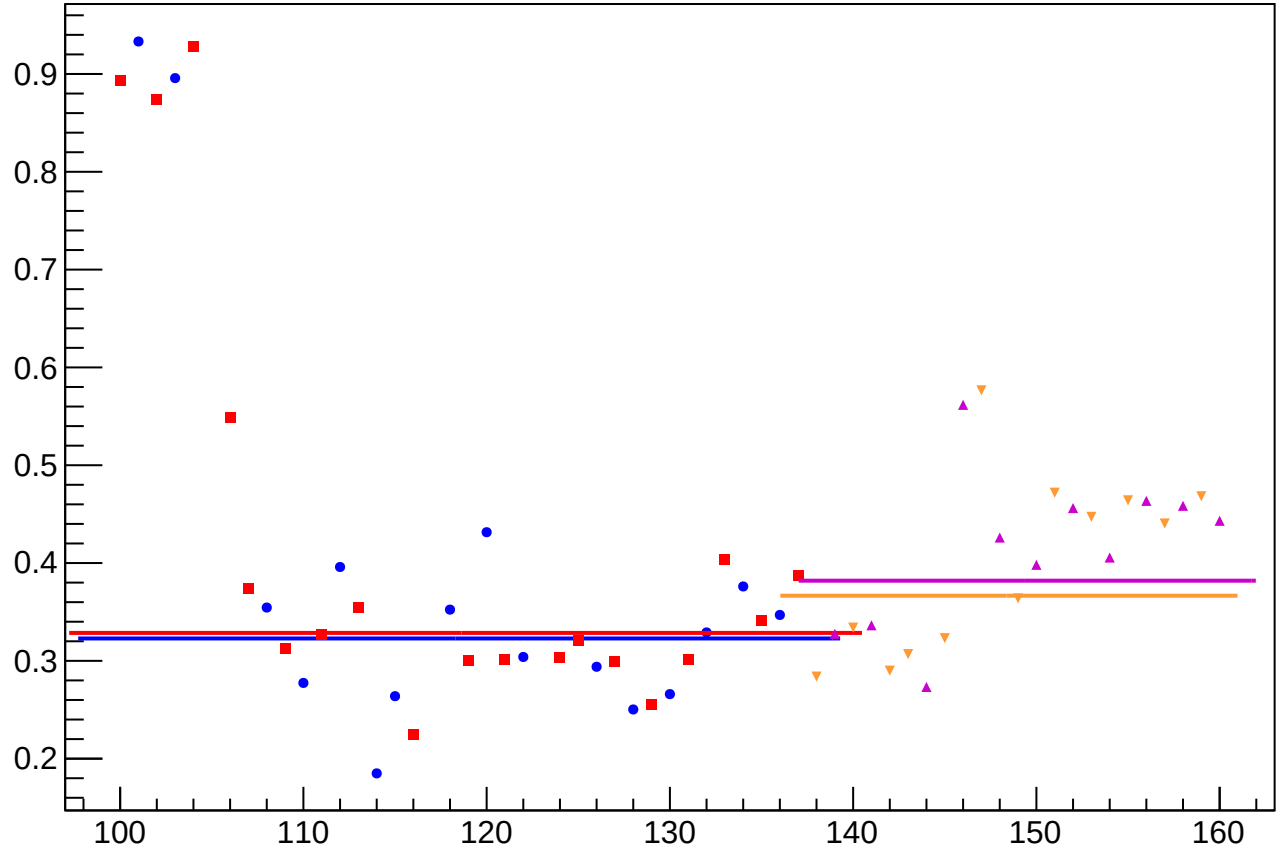
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.897+/-0.000 χ^2/NDF:4339047716.2/26

Out: 146.247+/-0.000 χ^2/NDF:4696506667.9/30

All: 146.075+/-0.000 χ^2/NDF: 9042818193.1

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: 0.382+/-0.000 χ^2/NDF:715024.4/10

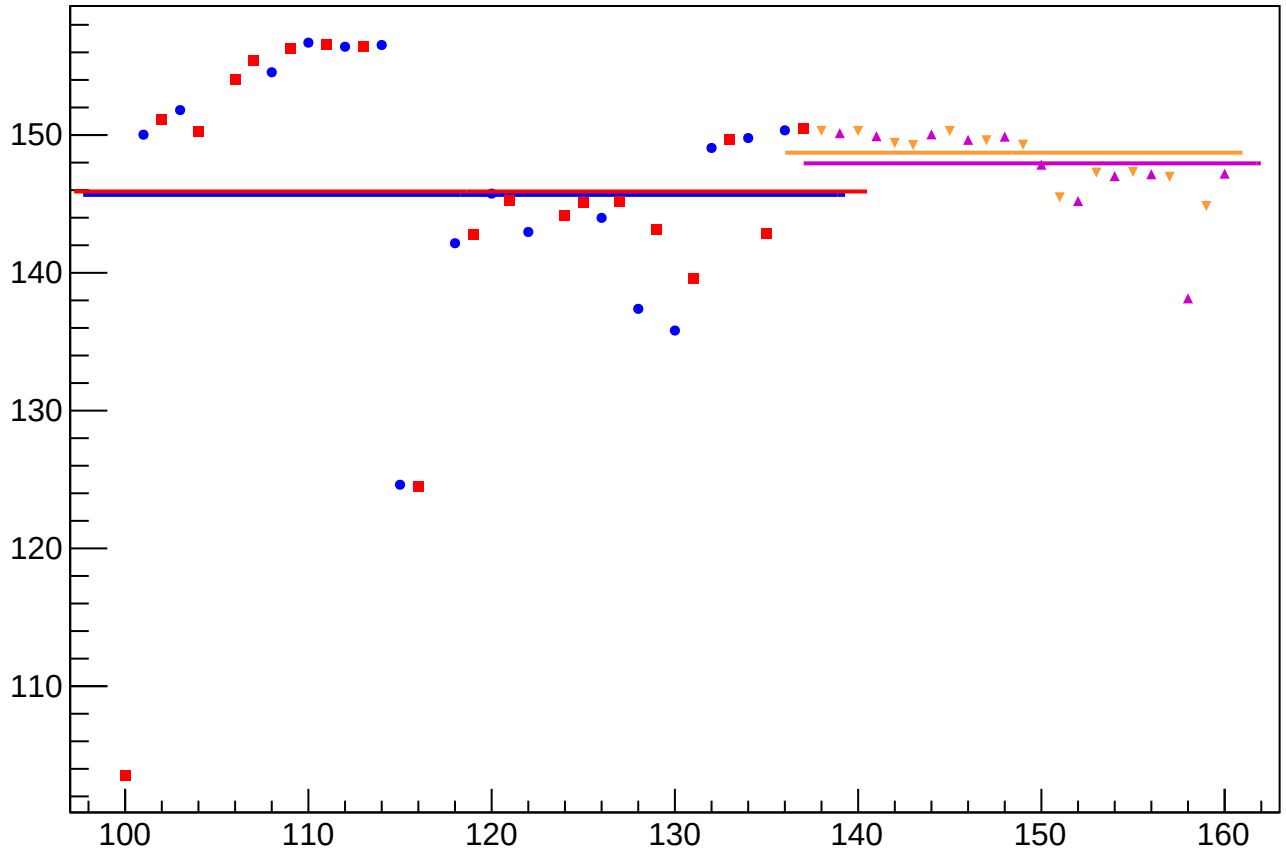
Left: 0.374+/-0.000 χ^2/NDF: 1542228.8/22

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.353+/-0.000 χ^2/NDF:2314976.2/26

Out: 0.349+/-0.000 χ^2/NDF:2203914.9/30

All: 0.351+/-0.000 χ^2/NDF: 4521066.7/57



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.718+/-0.000 χ^2/NDF:179959840.2/11

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.946+/-0.000 χ^2/NDF:518045122.3/10

Left: 148.343+/-0.000 χ^2/NDF: 714934946.2/22

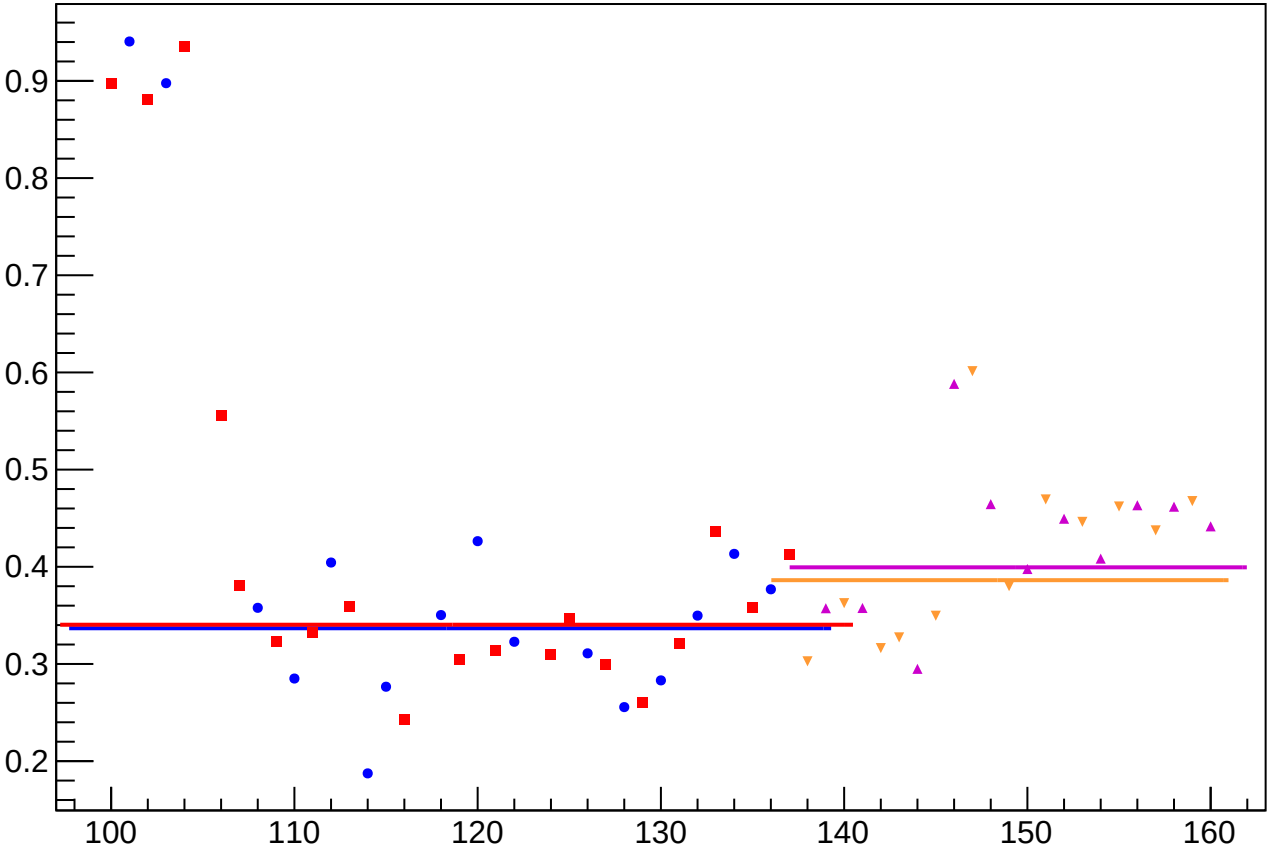
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.831+/-0.000 χ^2/NDF:4140488180.2/26

Out: 147.386+/-0.000 χ^2/NDF:4262160805.5/30

All: 147.113+/-0.000 χ^2/NDF: 8419506405.9

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.386+/-0.000 χ^2/NDF:614262.0/11

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.399+/-0.000 χ^2/NDF:559674.5/10

Left: 0.393+/-0.000 χ^2/NDF: 1183862.1/22

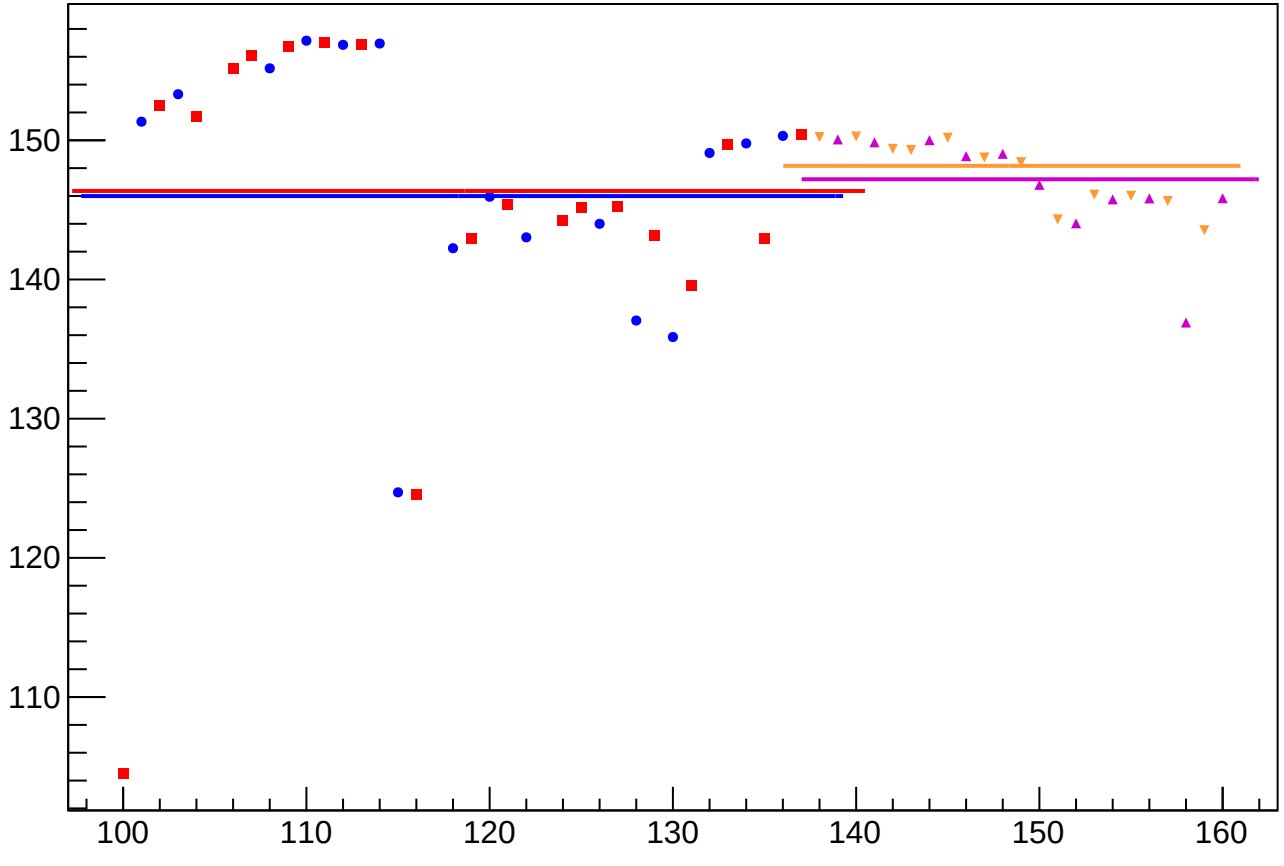
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.369+/-0.000 χ^2/NDF:2141641.5/26

Out: 0.365+/-0.000 χ^2/NDF:2005345.1/30

All: 0.367+/-0.000 χ^2/NDF: 4149081.0/57

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: 147.199+/-0.000 χ^2/NDF:670945530.6/10

Left: 147.696+/-0.000 χ^2/NDF: 993735811.1/22

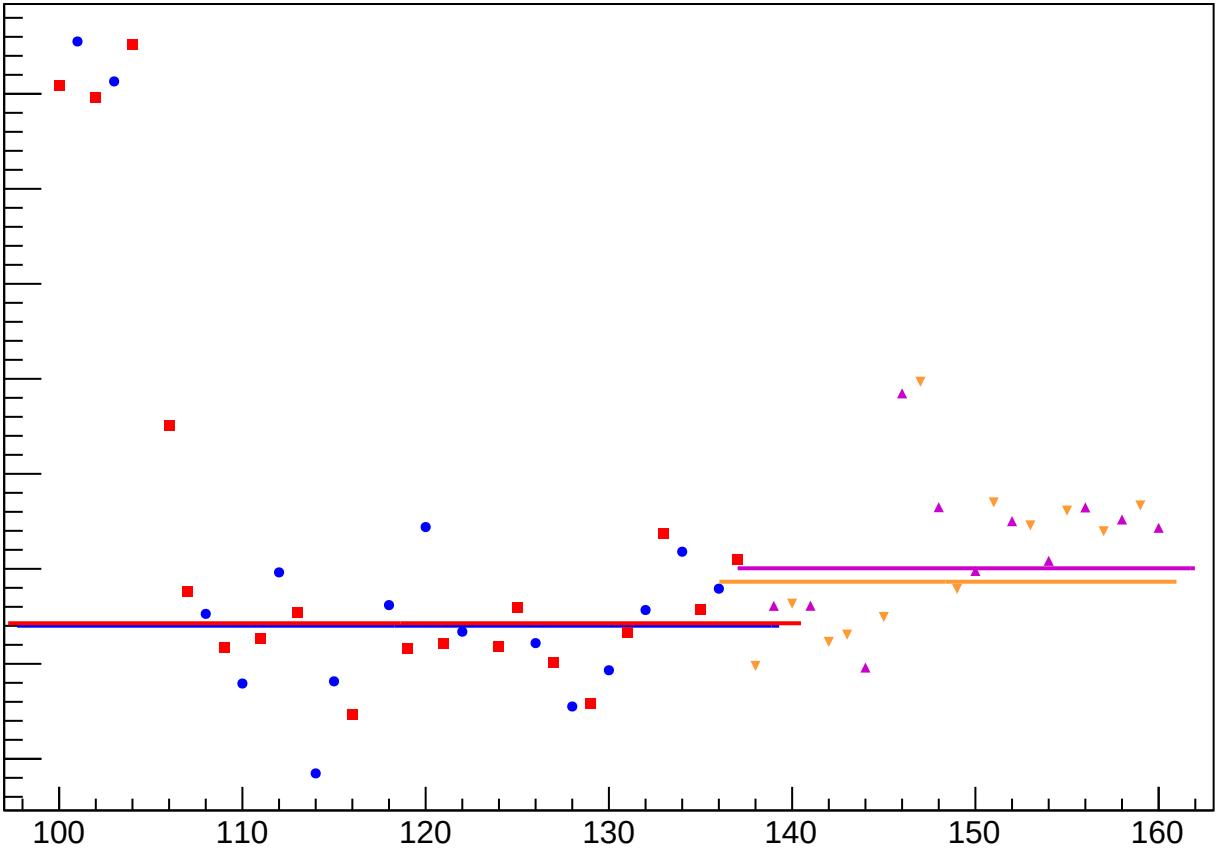
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.617+/-0.000 χ^2/NDF:4331156933.1/26

Out: 147.315+/-0.000 χ^2/NDF:4348991662.9/30

All: 146.972+/-0.000 χ^2/NDF: 8706517294.4

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: 0.401+/-0.000 χ^2/NDF:534457.9/10

Left: 0.393+/-0.000 χ^2/NDF: 1156044.7/22

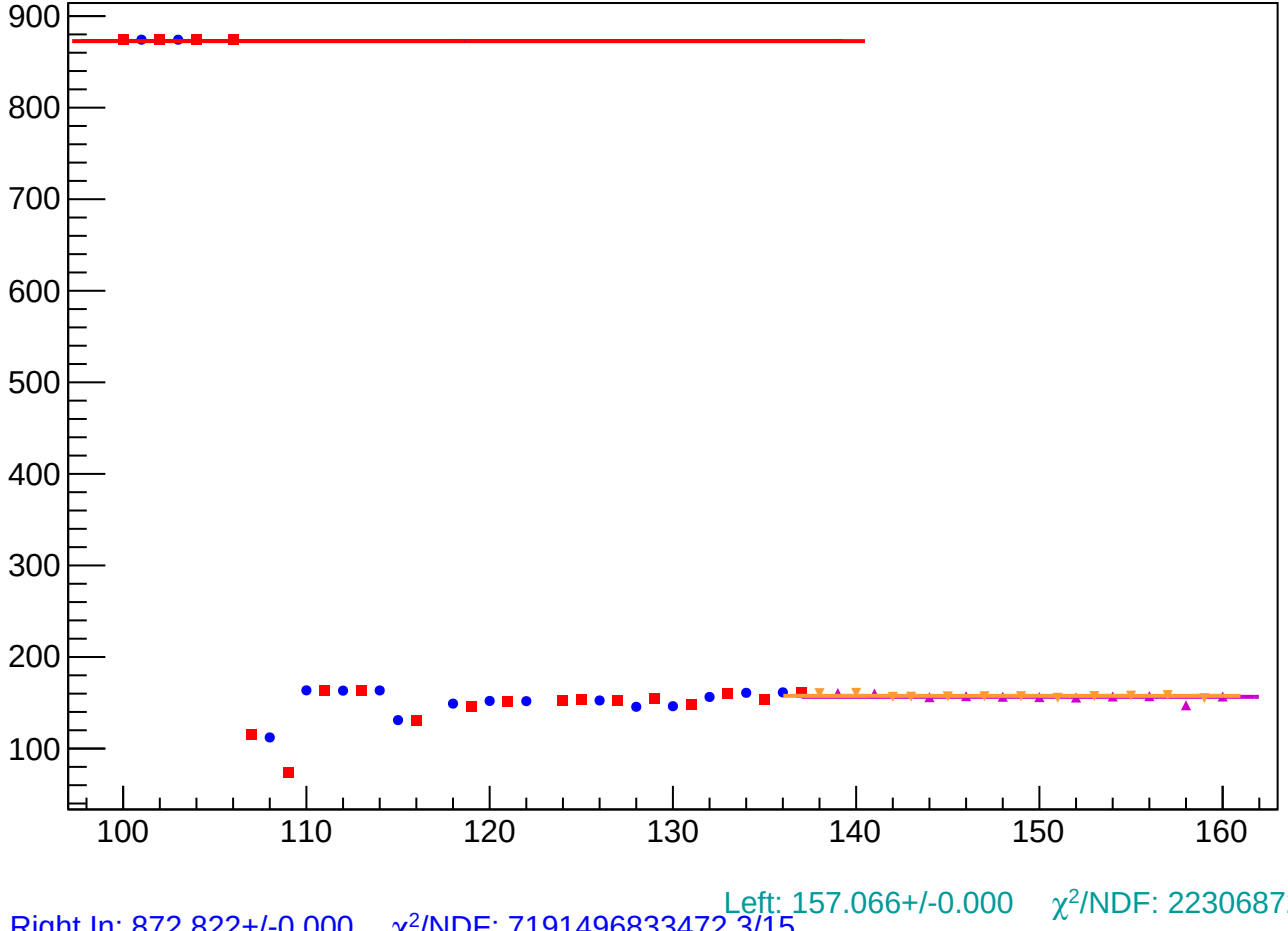
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.371+/-0.000 χ^2/NDF:2121123.1/26

Out: 0.366+/-0.000 χ^2/NDF:1985857.9/30

All: 0.369+/-0.000 χ^2/NDF: 4110273.1/57

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: 156.525+/-0.000 χ^2/NDF:163933748.4/10

Left: 157.066+/-0.000 χ^2/NDF: 223068725.6/22

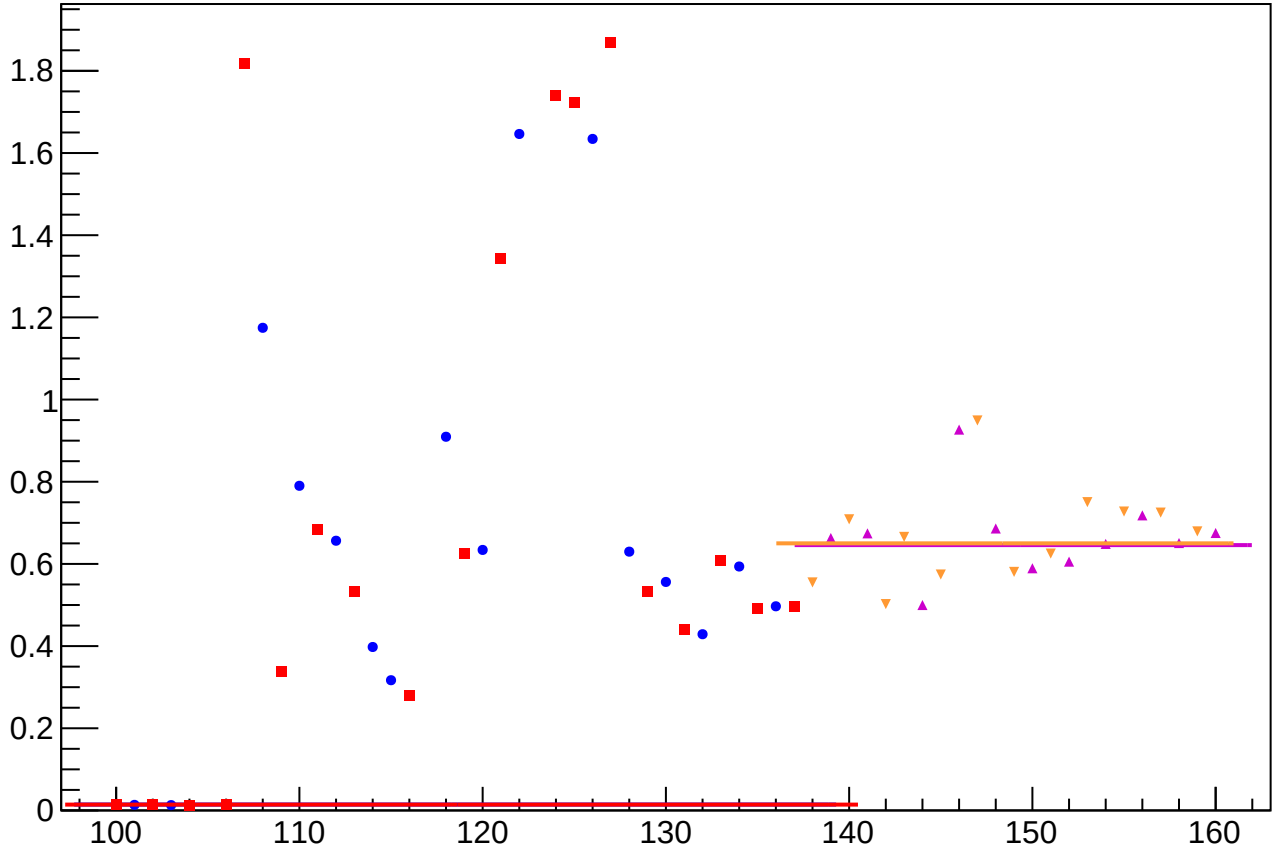
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.314+/-0.000 χ^2/NDF:14889326609695.1/2

Out: 871.409+/-0.000 χ^2/NDF:16604599140768.5

All: 871.364+/-0.000 χ^2/NDF: 31493960375

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: 0.646+/-0.000 χ^2/NDF:219605.4/10

Left: 0.648+/-0.000 χ^2/NDF: 491756.1/22

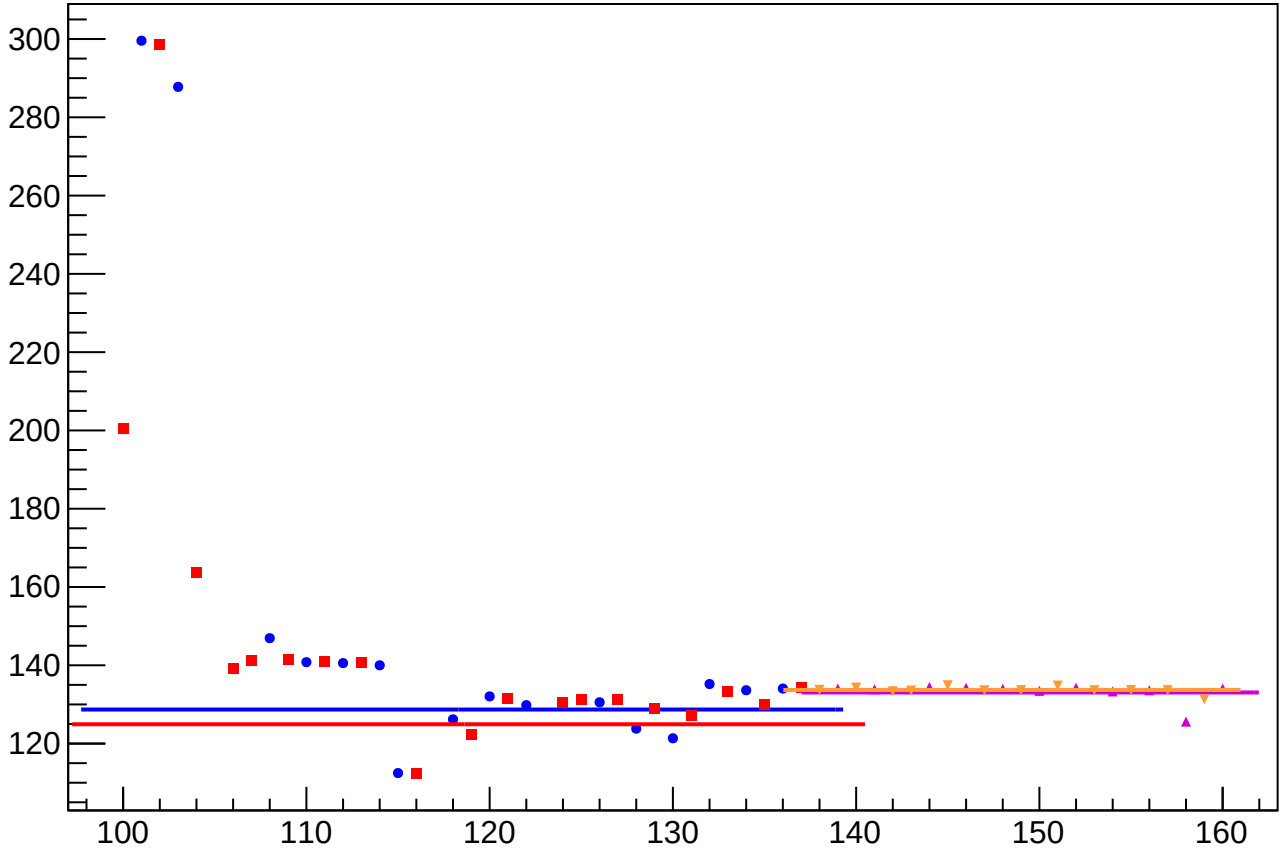
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:21803639.9/26

Out: 0.015+/-0.000 χ^2/NDF:21442822.2/30

All: 0.016+/-0.000 χ^2/NDF: 43247365.9/57

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: 133.054+/-0.000 χ^2/NDF:242689931.5/10

Left: 133.388+/-0.000 χ^2/NDF: 282045401.8/22

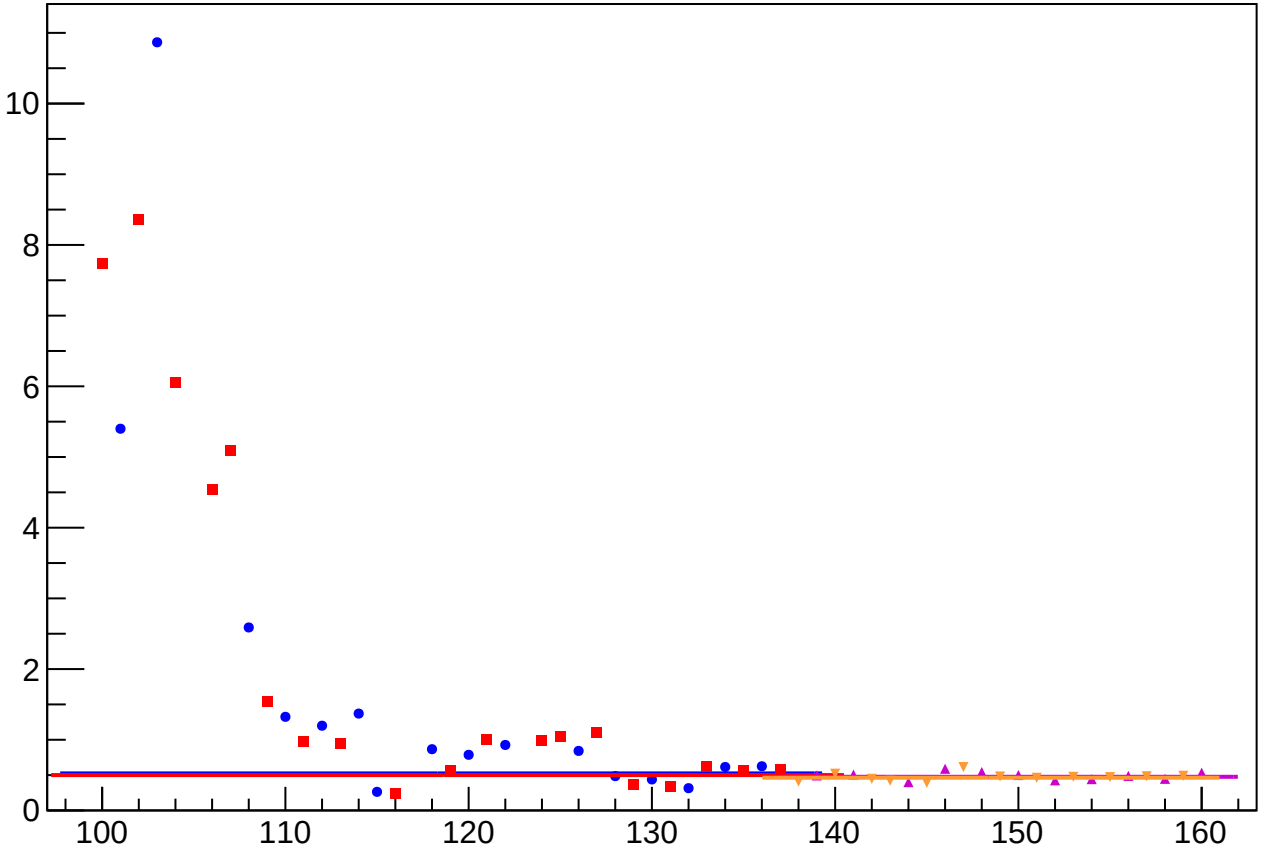
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.879+/-0.000 χ^2/NDF:2083844453.9/26

Out: 131.339+/-0.000 χ^2/NDF:2217361076.0/30

All: 131.603+/-0.000 χ^2/NDF: 4308608777.3

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: 0.476+/-0.000 χ^2/NDF:209183.9/10

Left: 0.470+/-0.000 χ^2/NDF: 410403.2/22

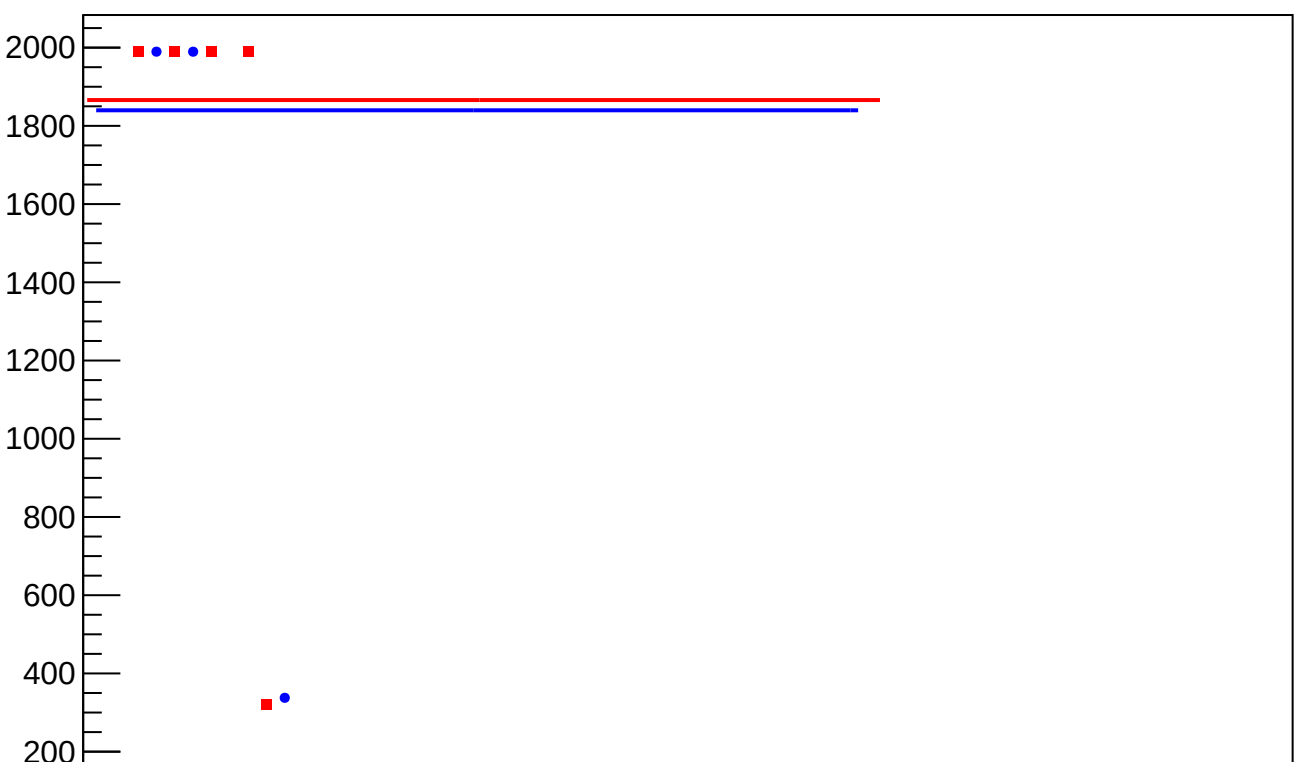
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.489+/-0.000 χ^2/NDF:4392210.6/26

Out: 0.473+/-0.000 χ^2/NDF:5107633.7/30

All: 0.481+/-0.000 χ^2/NDF: 9512658.2/57

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: 136.965+/-0.000 χ^2/NDF:201130550.3/10

Left: 137.103+/-0.000 χ^2/NDF: 238884332.6/22

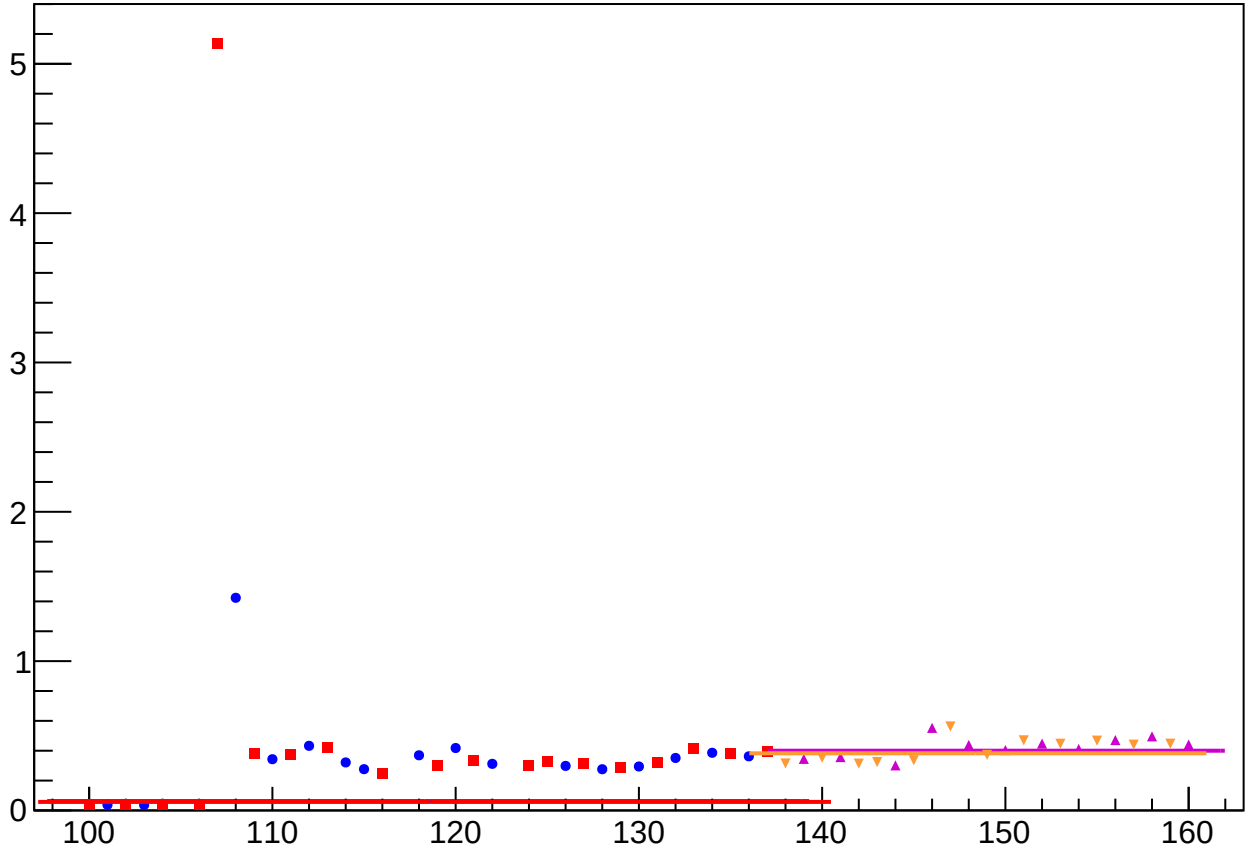
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1688.877+/-0.000 χ^2/NDF:292469017031017.

Out: 1722.238+/-0.000 χ^2/NDF:308234277107463

All: 1706.798+/-0.000 χ^2/NDF: 6010774021

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: 0.400+/-0.000 χ^2/NDF:522680.9/10

Left: 0.391+/-0.000 χ^2/NDF: 1102430.2/22

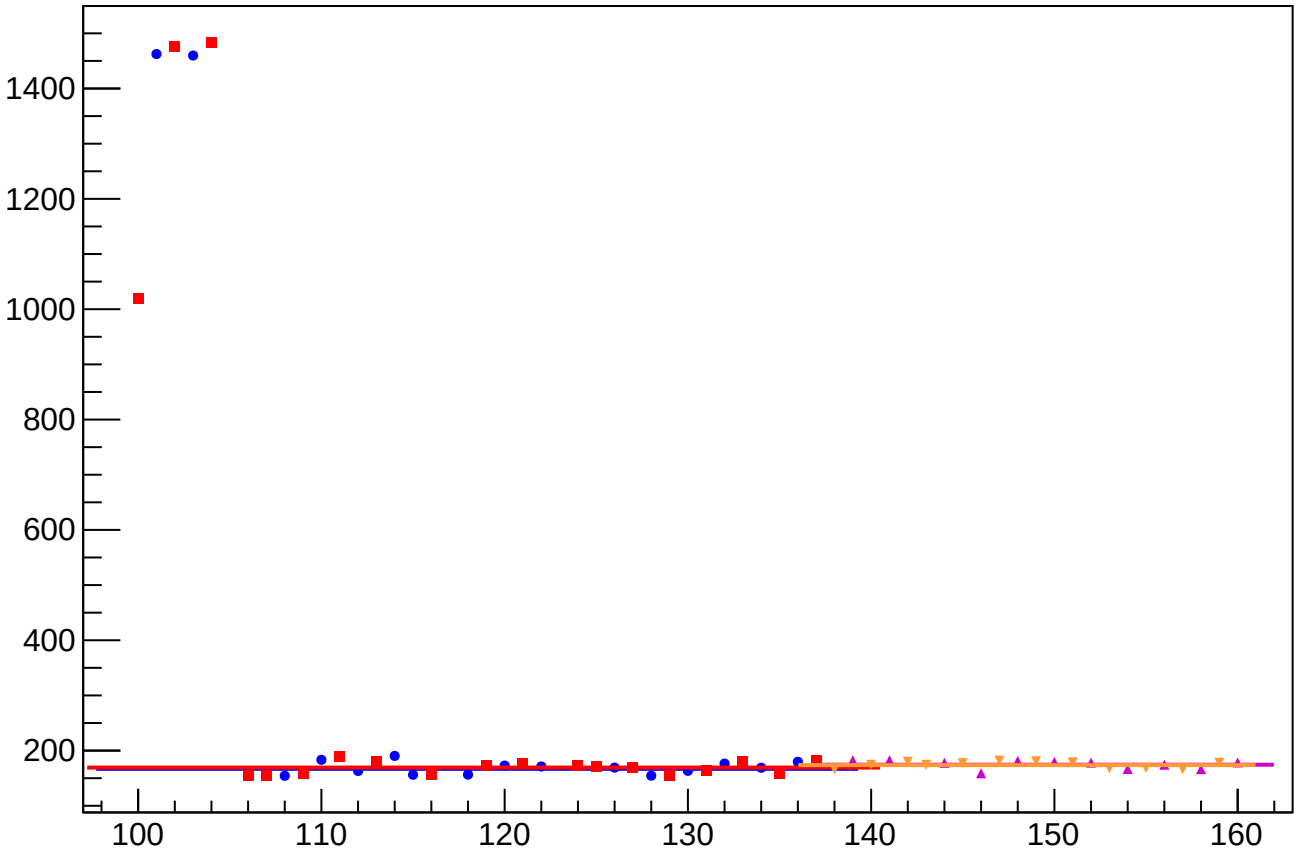
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.092+/-0.000 χ^2/NDF:20269753.7/26

Out: 0.084+/-0.000 χ^2/NDF:20026178.2/30

All: 0.088+/-0.000 χ^2/NDF: 40332949.7/57

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: 174.444+/-0.000 χ^2/NDF:498413761.0/10

Left: 174.078+/-0.000 χ^2/NDF: 772105801.8/22

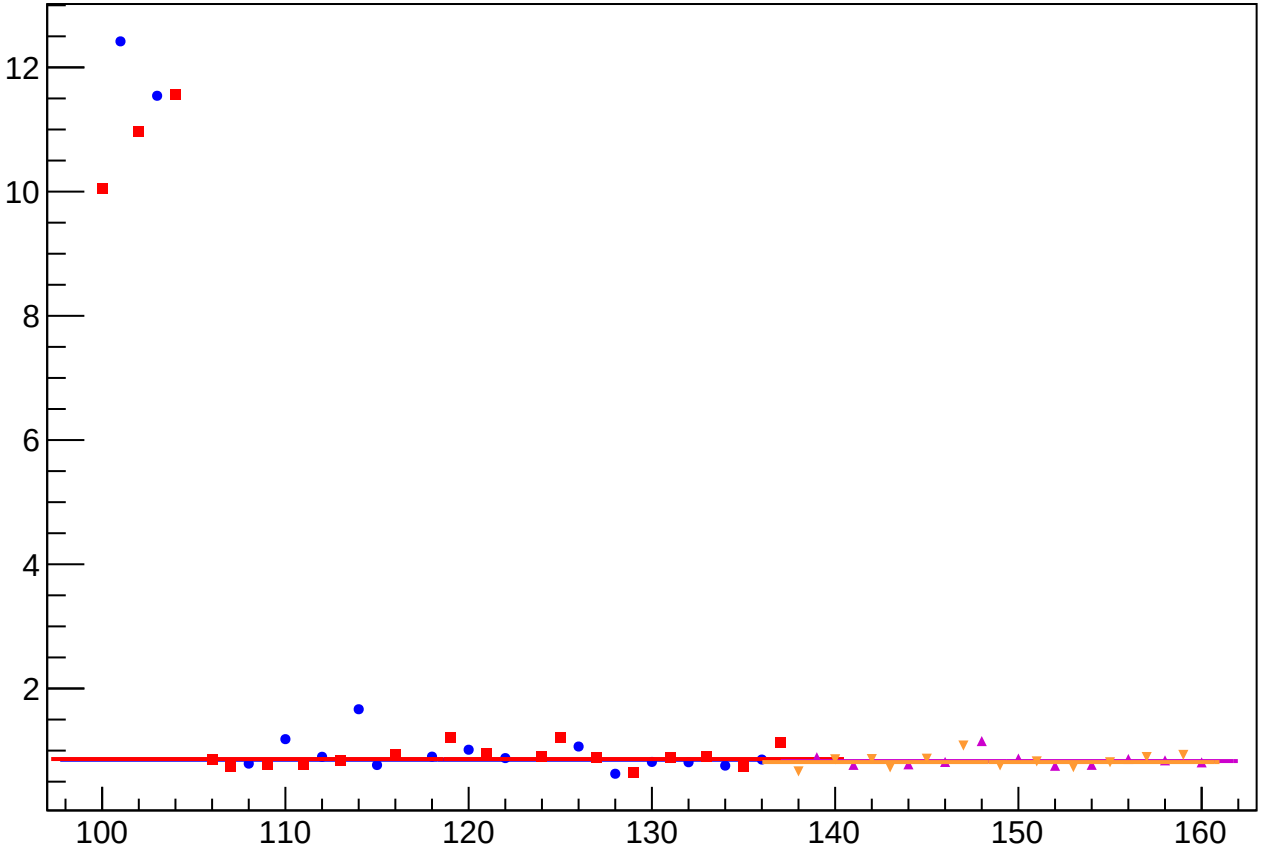
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.575+/-0.000 χ^2/NDF:15292667507.3/26

Out: 171.986+/-0.000 χ^2/NDF:16655348753.5/30

All: 171.783+/-0.000 χ^2/NDF: 31949189272.

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: 0.832+/-0.000 χ^2/NDF:132070.8/10

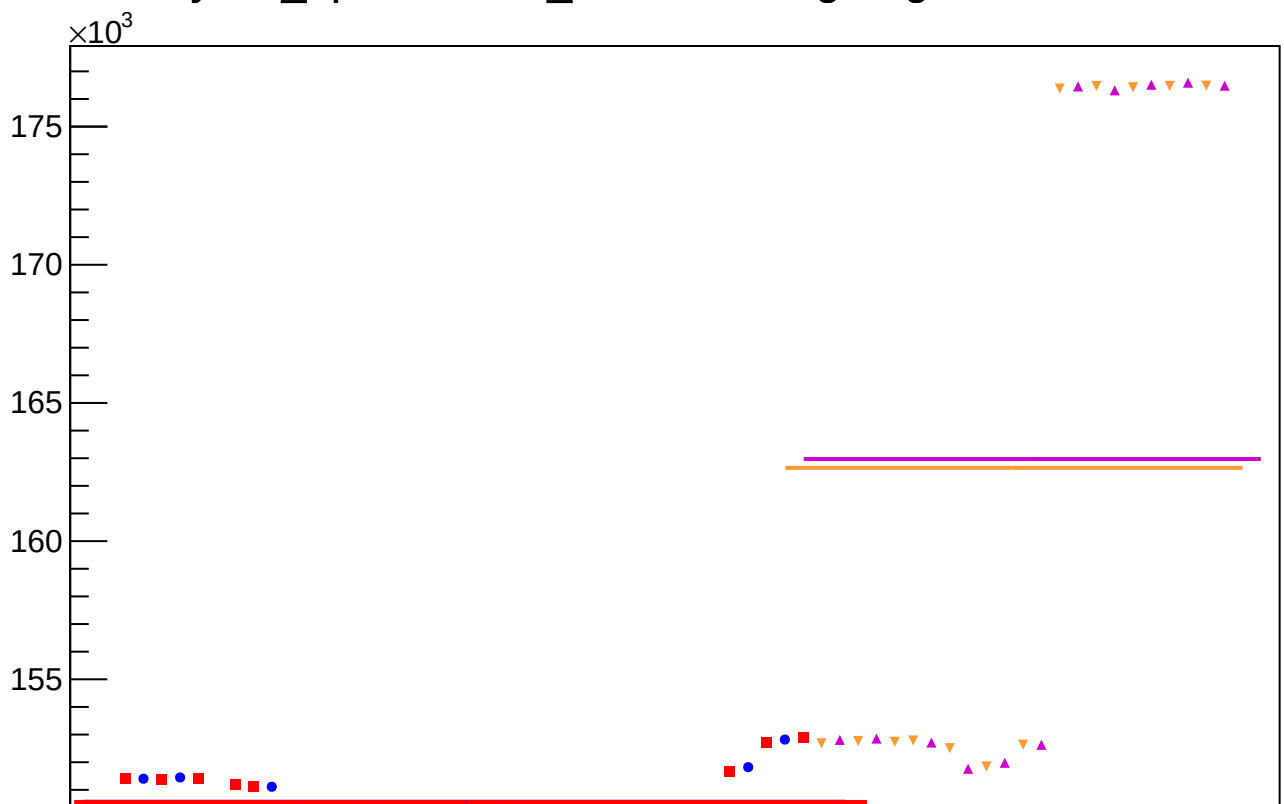
Left: 0.823+/-0.000 χ^2/NDF: 309362.9/22

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.840+/-0.000 χ^2/NDF:2437325.2/26

Out: 0.834+/-0.000 χ^2/NDF:2400234.8/30

All: 0.837+/-0.000 χ^2/NDF: 4837981.0/57



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: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

Left: 162807.577+/-0.042 χ^2/NDF: 80659701917.6

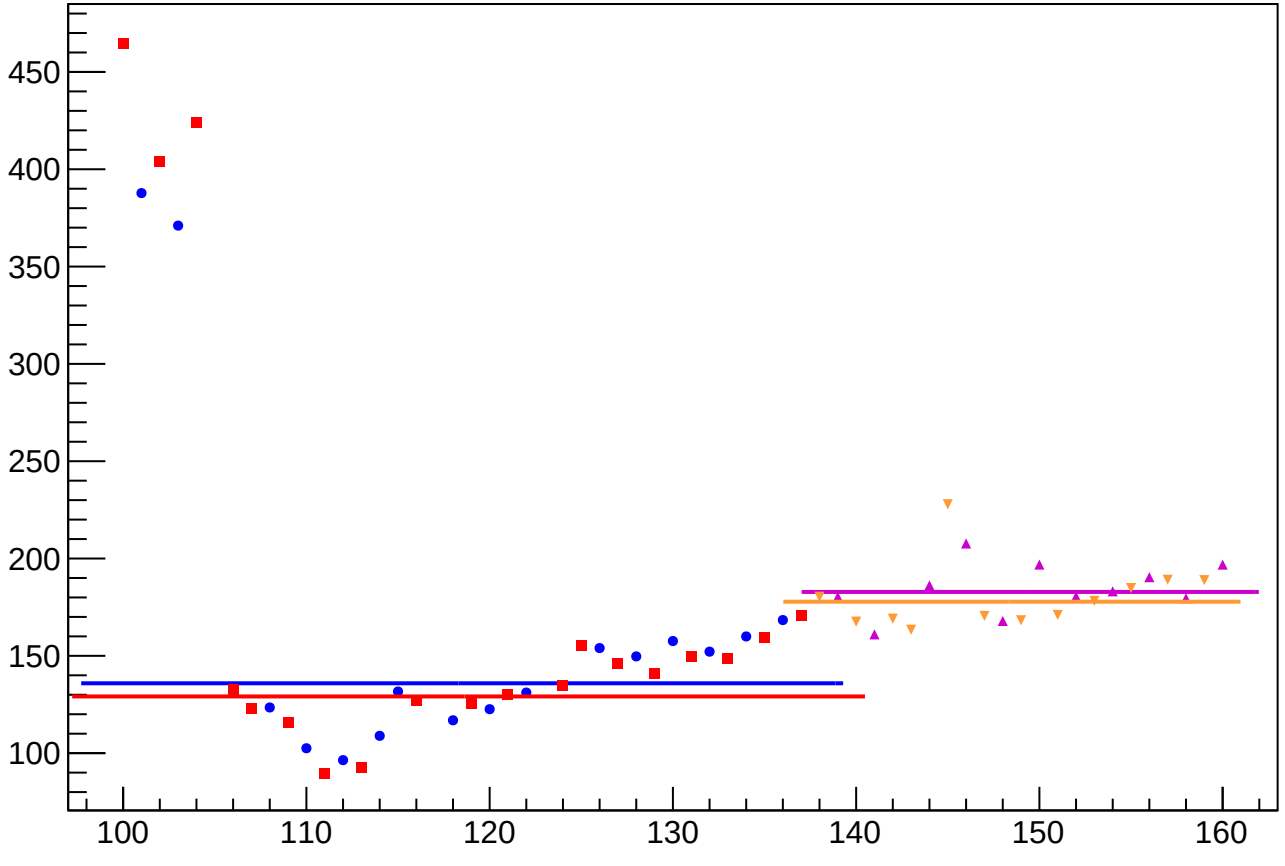
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 156211.145+/-0.040 χ^2/NDF:63337446104.5/2

Out: 155803.286+/-0.038 χ^2/NDF:65590311710.8

All: 155997.140+/-0.028 χ^2/NDF: 12898145

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: 182.829+/-0.042 χ^2/NDF:91904.6/10

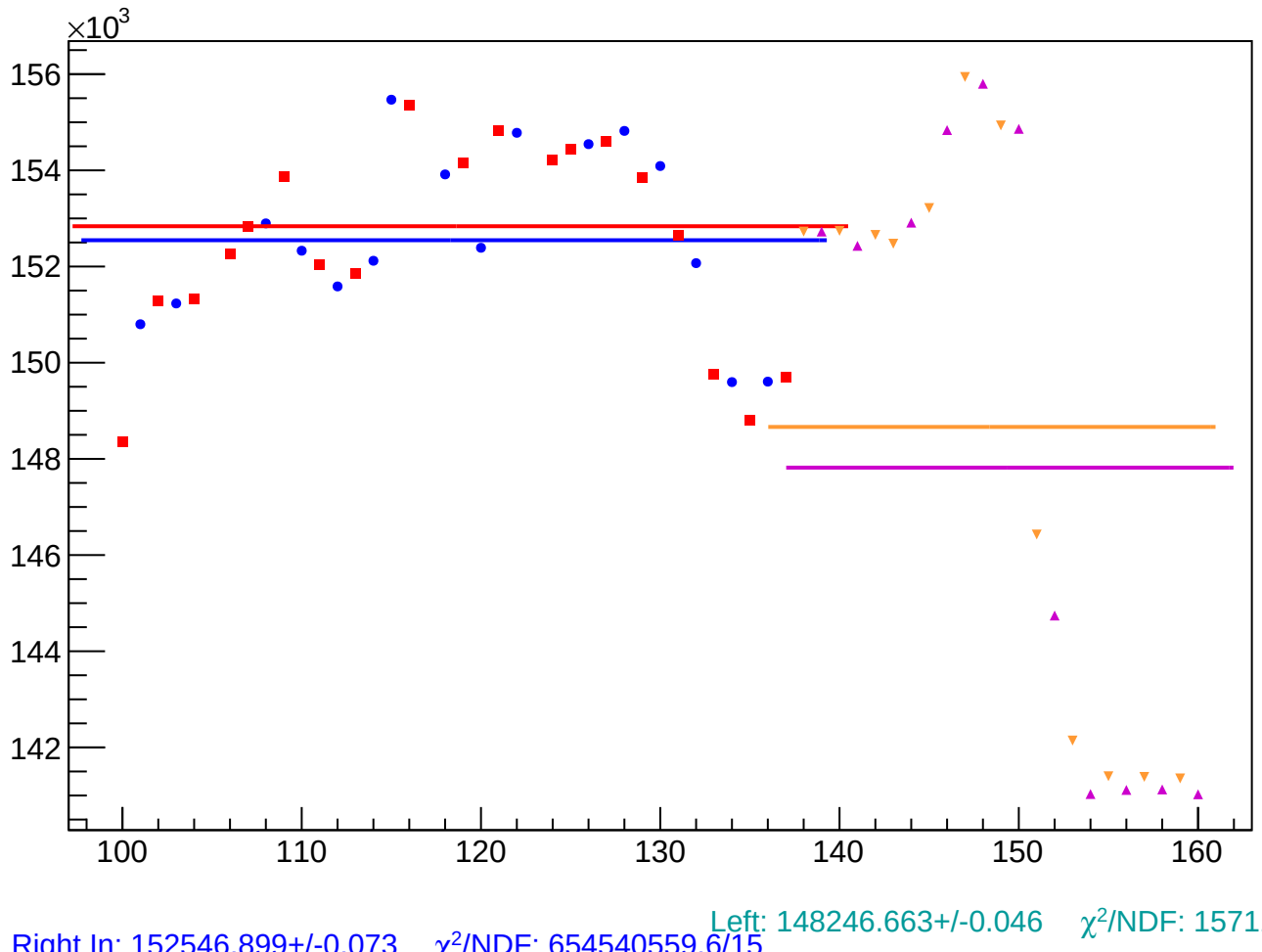
Left: 180.260+/-0.030 χ^2/NDF: 222911.4/22

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 157.249+/-0.029 χ^2/NDF:2180304.0/26

Out: 150.237+/-0.027 χ^2/NDF:2528832.6/30

All: 153.570+/-0.020 χ^2/NDF: 4740884.3/57



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: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

Left: 148246.663+/-0.046 χ^2/NDF: 15711221388.9

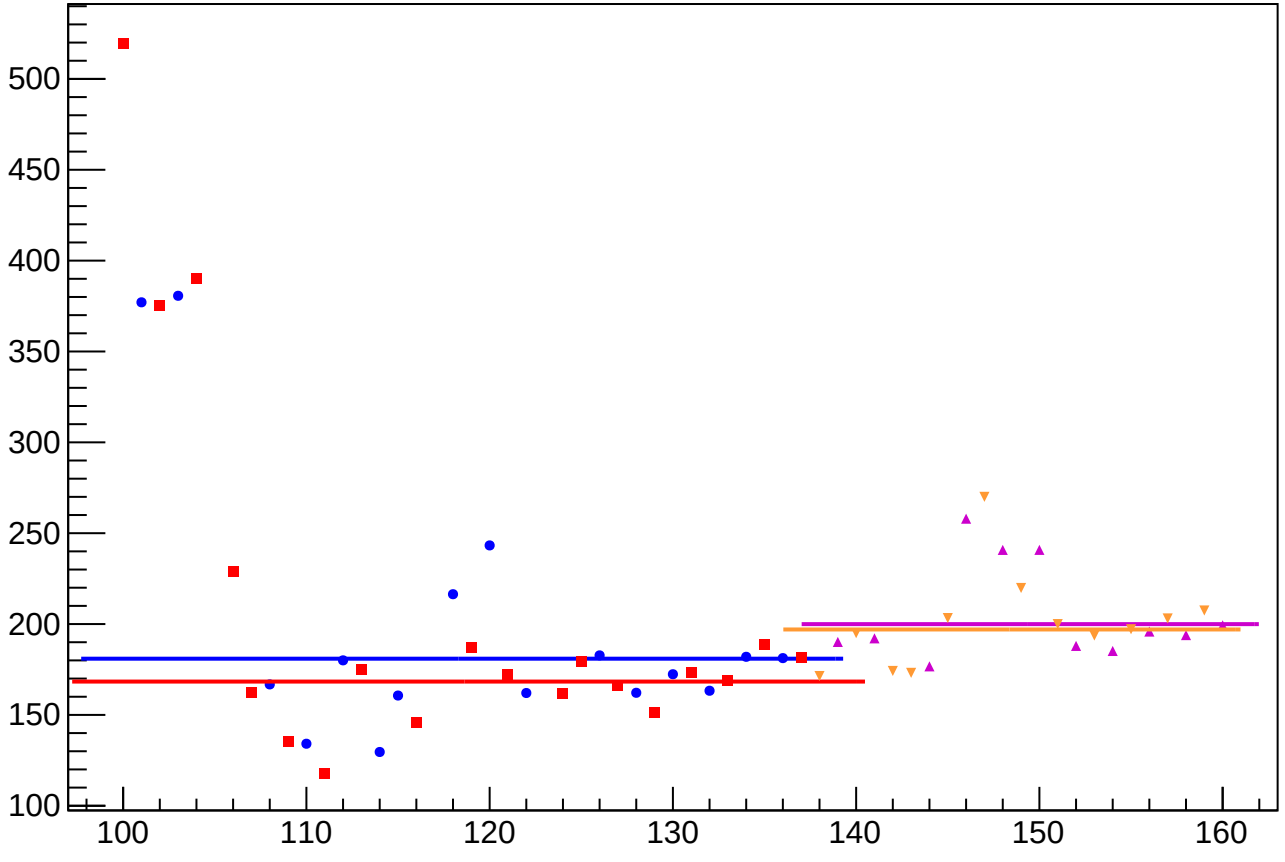
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149951.365+/-0.049 χ^2/NDF:11374651720.7/2

Out: 150698.247+/-0.047 χ^2/NDF:9981634482.0/3

All: 150342.327+/-0.034 χ^2/NDF: 21479043

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: 199.958+/-0.047 χ^2/NDF:244301.3/10

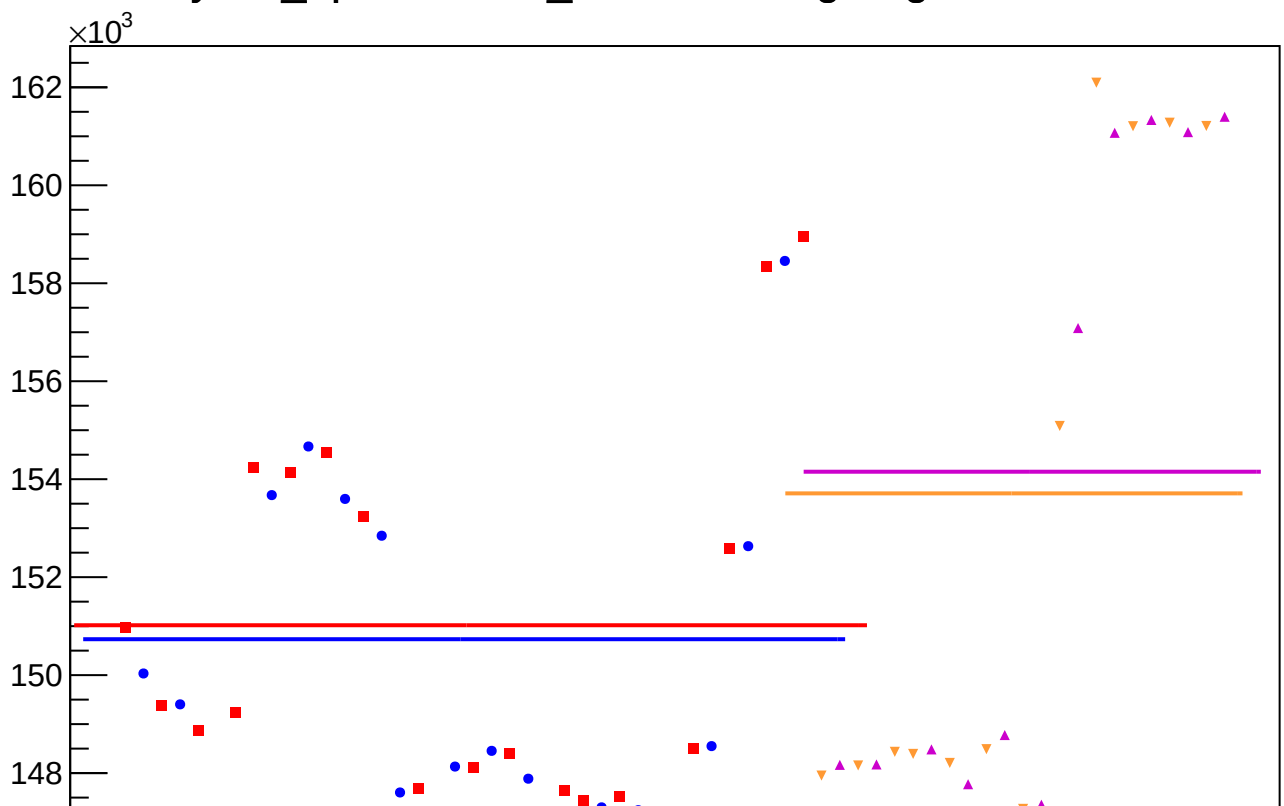
Left: 198.470+/-0.033 χ^2/NDF: 470551.7/22

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 191.378+/-0.034 χ^2/NDF:1227374.1/26

Out: 183.047+/-0.033 χ^2/NDF:1502984.7/30

All: 187.017+/-0.024 χ^2/NDF: 2760906.8/57



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: 154152.591+/-0.064 χ^2/NDF:9547949795.0/10

Left: 153926.126+/-0.045 χ^2/NDF: 19749891592.4

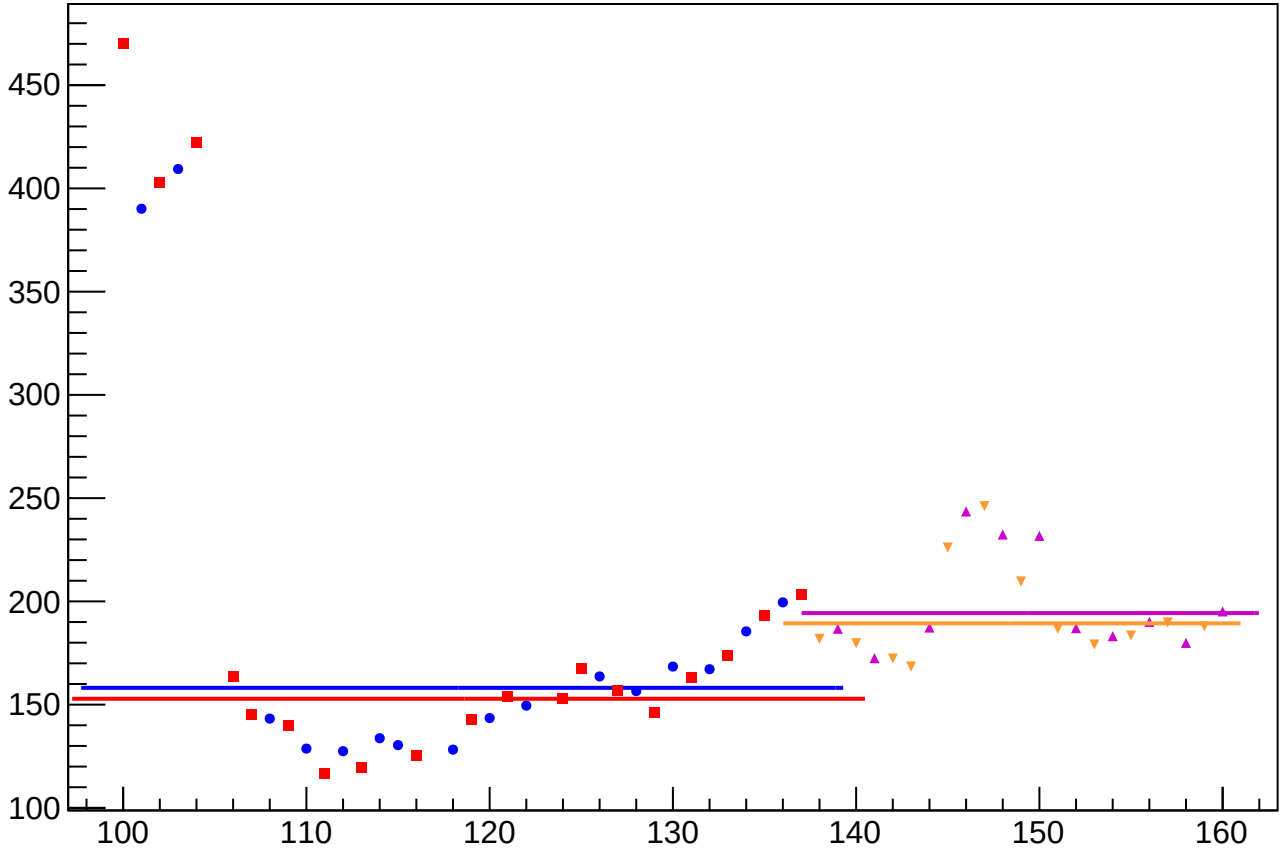
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152419.968+/-0.045 χ^2/NDF:14289544946.9/2

Out: 152317.348+/-0.043 χ^2/NDF:14432907754.8

All: 152366.827+/-0.031 χ^2/NDF: 28725172

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: 194.343+/-0.045 χ^2/NDF:216948.4/10

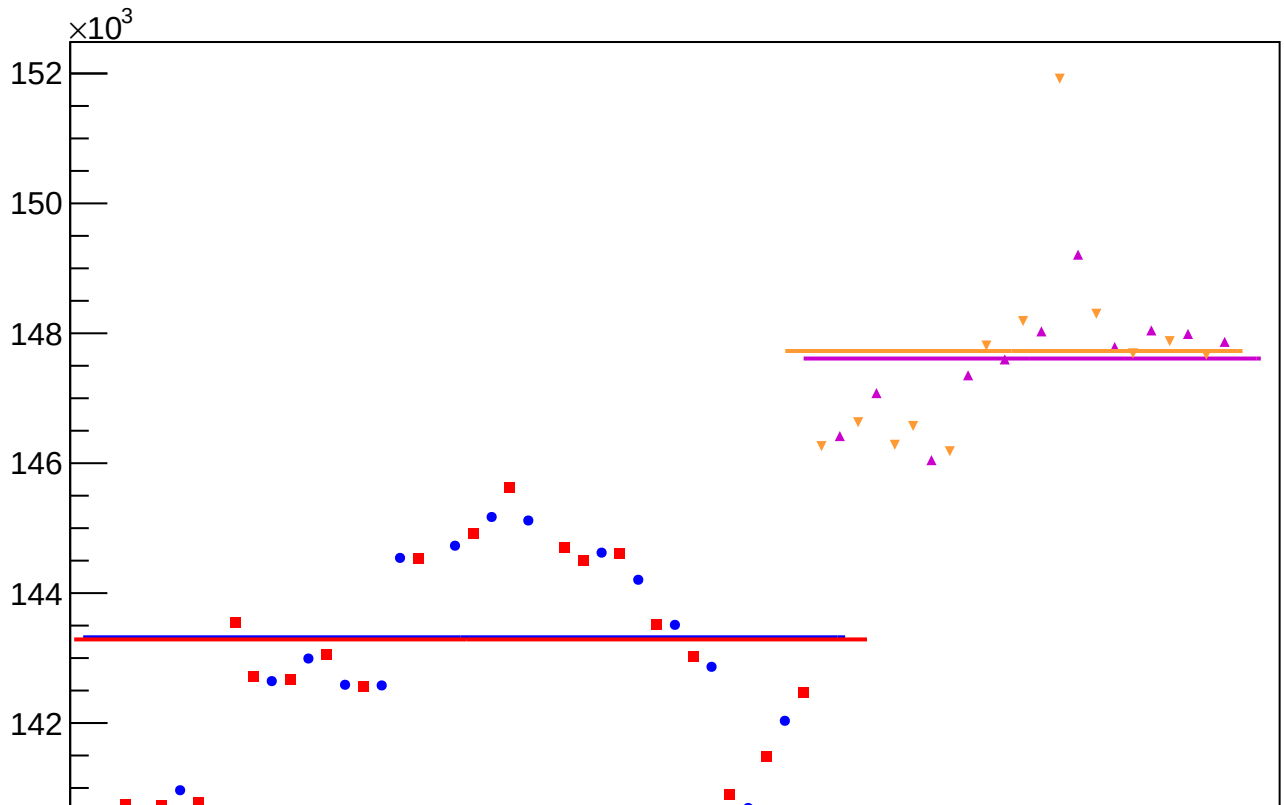
Left: 191.792+/-0.031 χ^2/NDF: 415877.0/22

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 175.997+/-0.032 χ^2/NDF:1739529.9/26

Out: 170.462+/-0.031 χ^2/NDF:1813769.0/30

All: 173.131+/-0.022 χ^2/NDF: 3569128.7/57



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: 147611.520+/-0.060 χ^2/NDF:196736462.6/10

Left: 147670.539+/-0.042 χ^2/NDF: 868027802.7/22

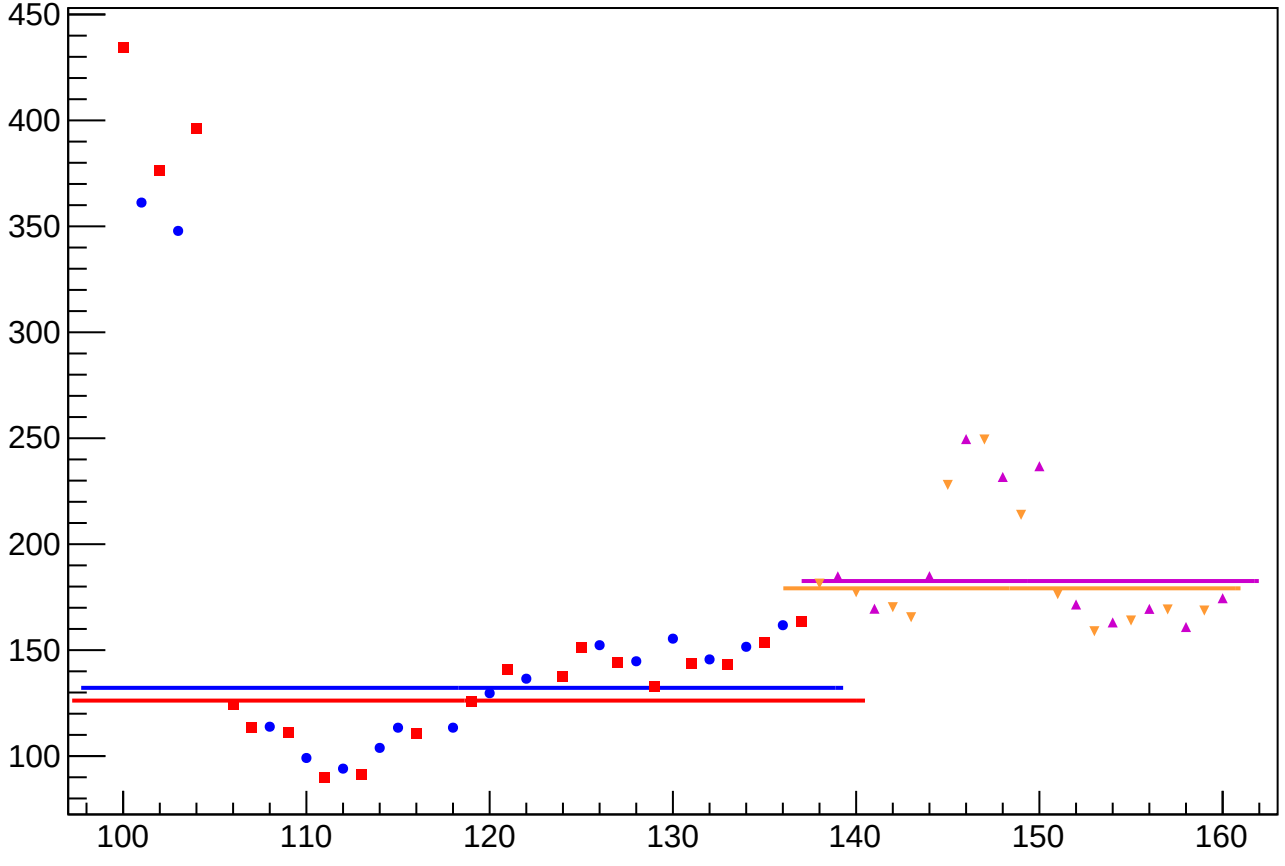
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145197.744+/-0.040 χ^2/NDF:3612163275.9/26

Out: 145126.720+/-0.038 χ^2/NDF:4596300873.5/3

All: 145160.592+/-0.028 χ^2/NDF: 82101266

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: 182.614+/-0.043 χ^2/NDF:380054.8/10

Left: 180.858+/-0.030 χ^2/NDF: 696205.2/22

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 154.263+/-0.028 χ^2/NDF:2547259.3/26

Out: 148.141+/-0.027 χ^2/NDF:2799100.4/30

All: 151.061+/-0.019 χ^2/NDF: 5371068.4/57

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: 119979.107+/-0.056 χ^2/NDF:1143818556.2/10

Left: 120036.389+/-0.040 χ^2/NDF: 2897019326.8/2

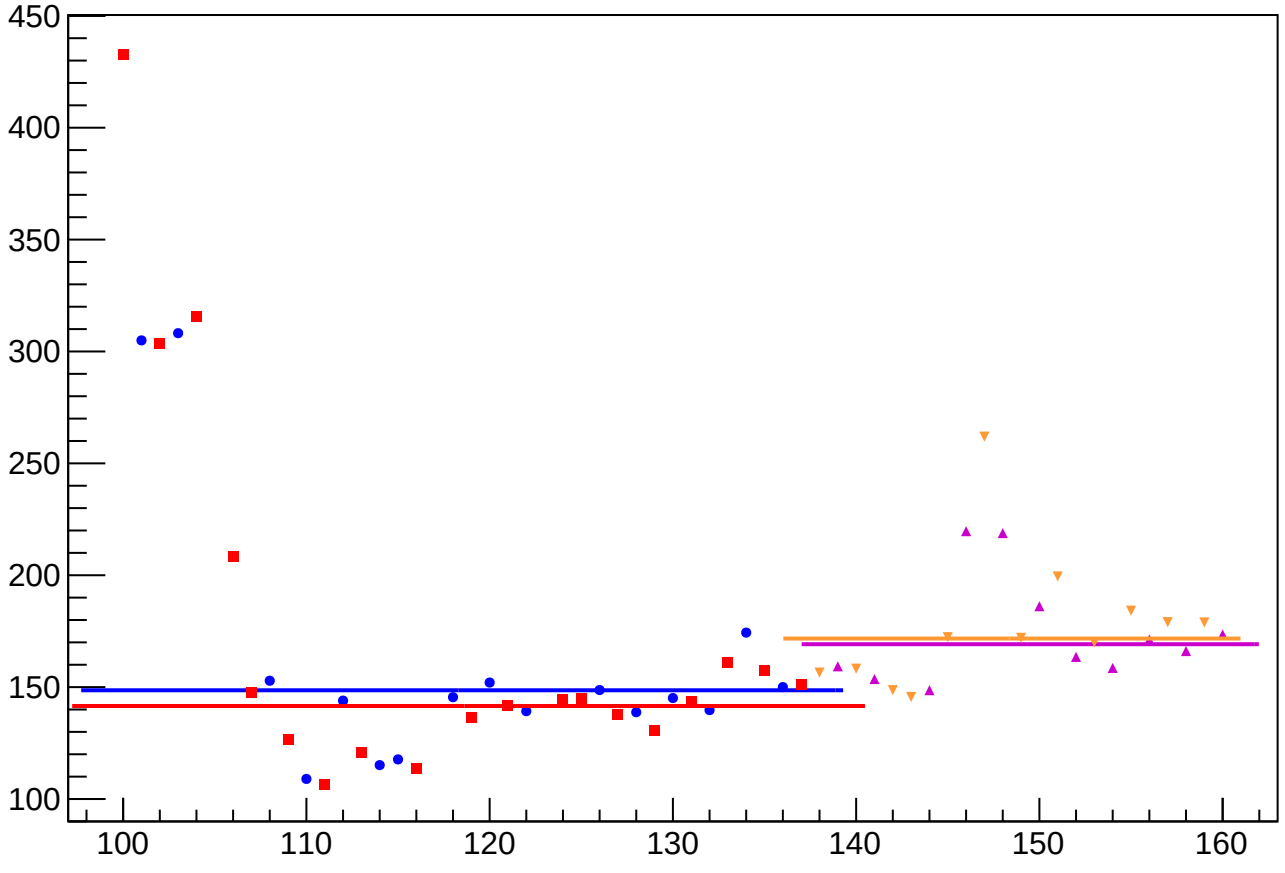
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123678.835+/-0.040 χ^2/NDF:10364408654.1/2

Out: 124069.954+/-0.040 χ^2/NDF:11143247274.1

All: 123878.383+/-0.028 χ^2/NDF: 215554177

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: 169.182+/-0.040 χ^2/NDF:257270.5/10

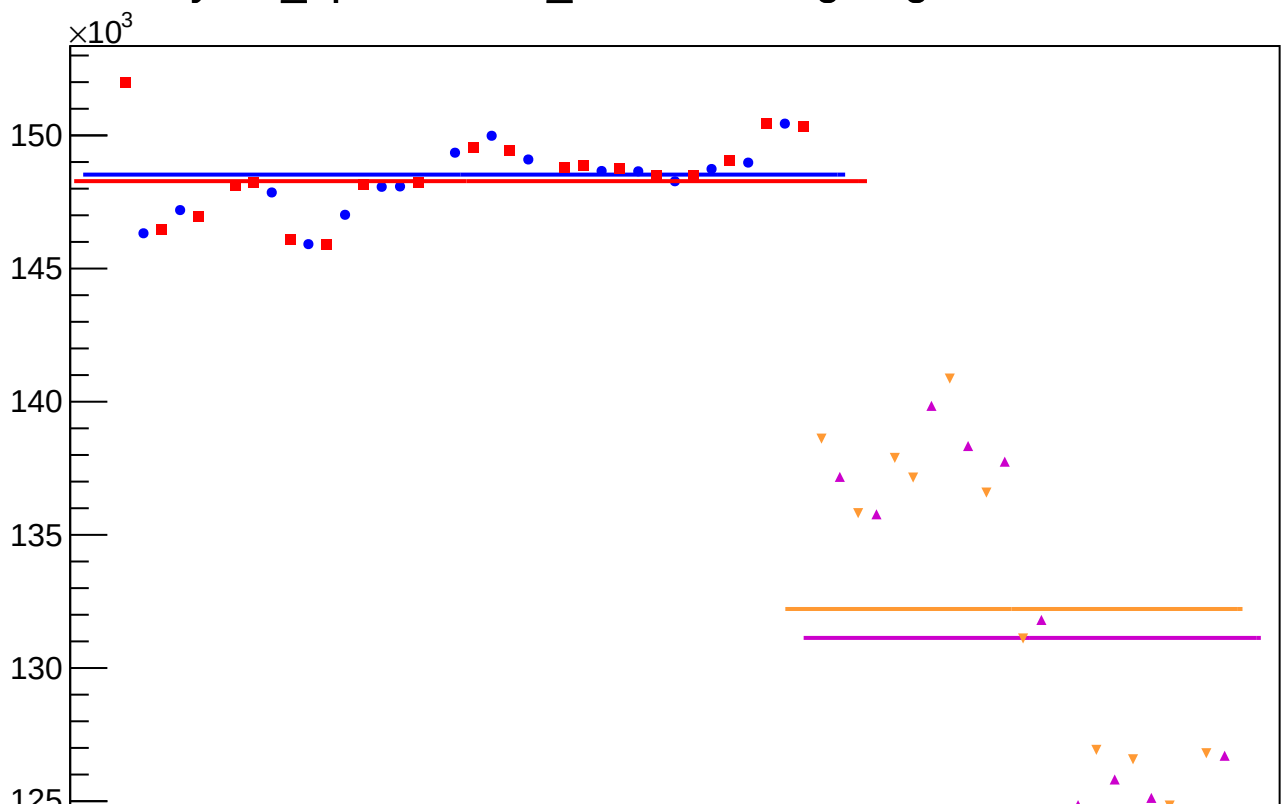
Left: 170.420+/-0.028 χ^2/NDF: 592235.1/22

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 159.322+/-0.029 χ^2/NDF:1214441.2/26

Out: 156.027+/-0.028 χ^2/NDF:1623428.6/30

All: 157.641+/-0.020 χ^2/NDF: 2844649.6/57



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: 131130.553+/-0.082 χ^2/NDF:5221708324.5/10

Left: 131663.657+/-0.058 χ^2/NDF: 9932942675.6/2

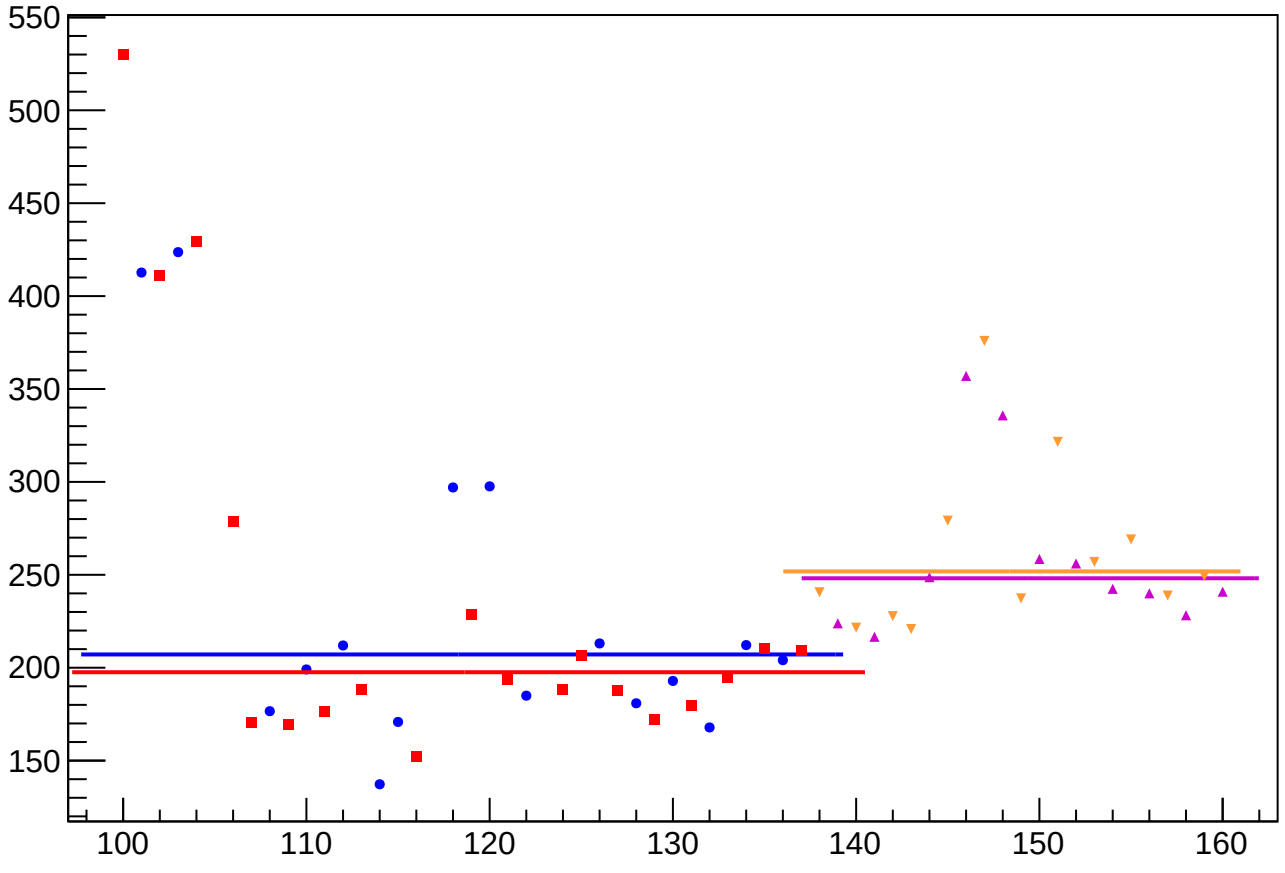
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 139820.453+/-0.058 χ^2/NDF:27992172404.3/2

Out: 140929.192+/-0.056 χ^2/NDF:25048415072.1

All: 140389.348+/-0.040 χ^2/NDF: 53228662

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: 248.131+/-0.058 χ^2/NDF:351033.3/10

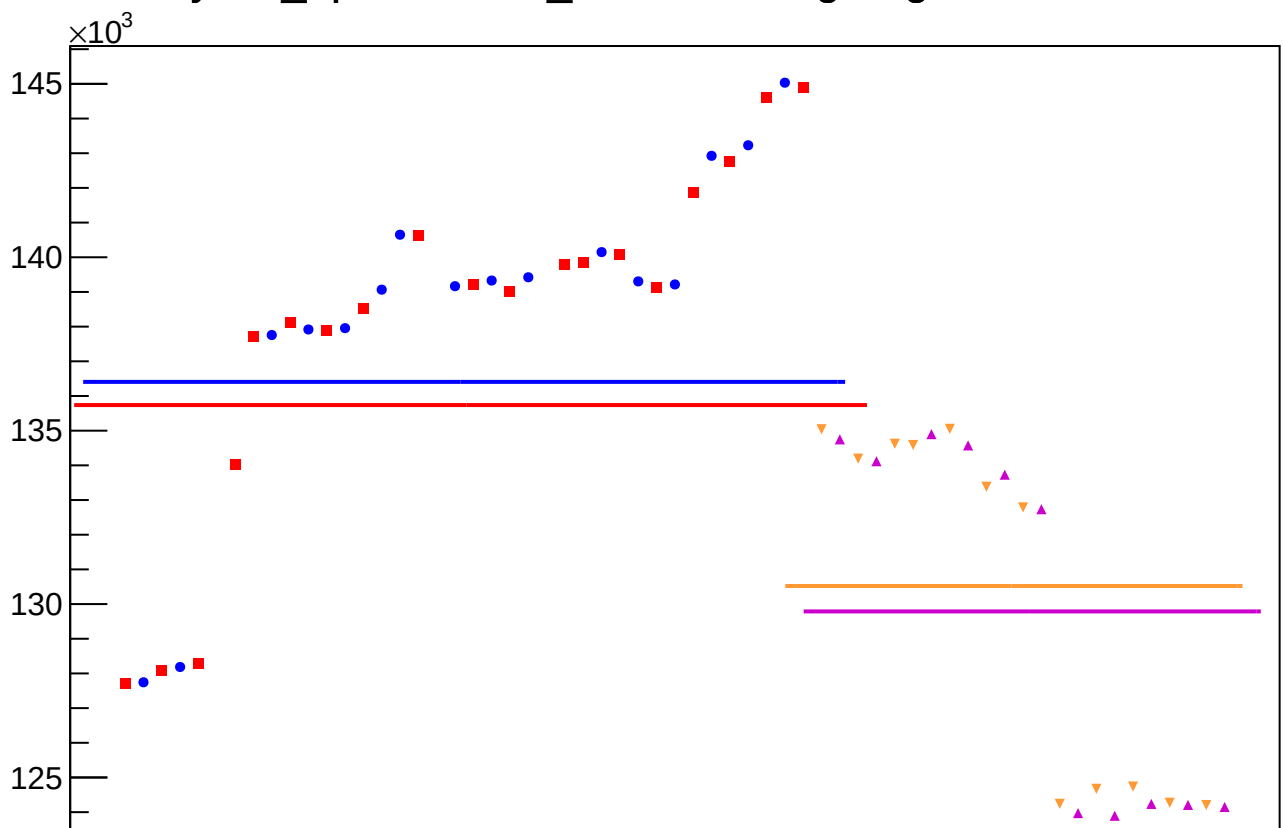
Left: 249.953+/-0.041 χ^2/NDF: 714742.1/22

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 227.654+/-0.041 χ^2/NDF:1573821.1/26

Out: 222.410+/-0.040 χ^2/NDF:1725122.9/30

All: 224.963+/-0.029 χ^2/NDF: 3307356.2/57



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 130520.663+/-0.191 χ^2/NDF:661388919.6/11

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129787.958+/-0.198 χ^2/NDF:648001998.4/10

Left: 130167.492+/-0.137 χ^2/NDF: 1316484584.4/2

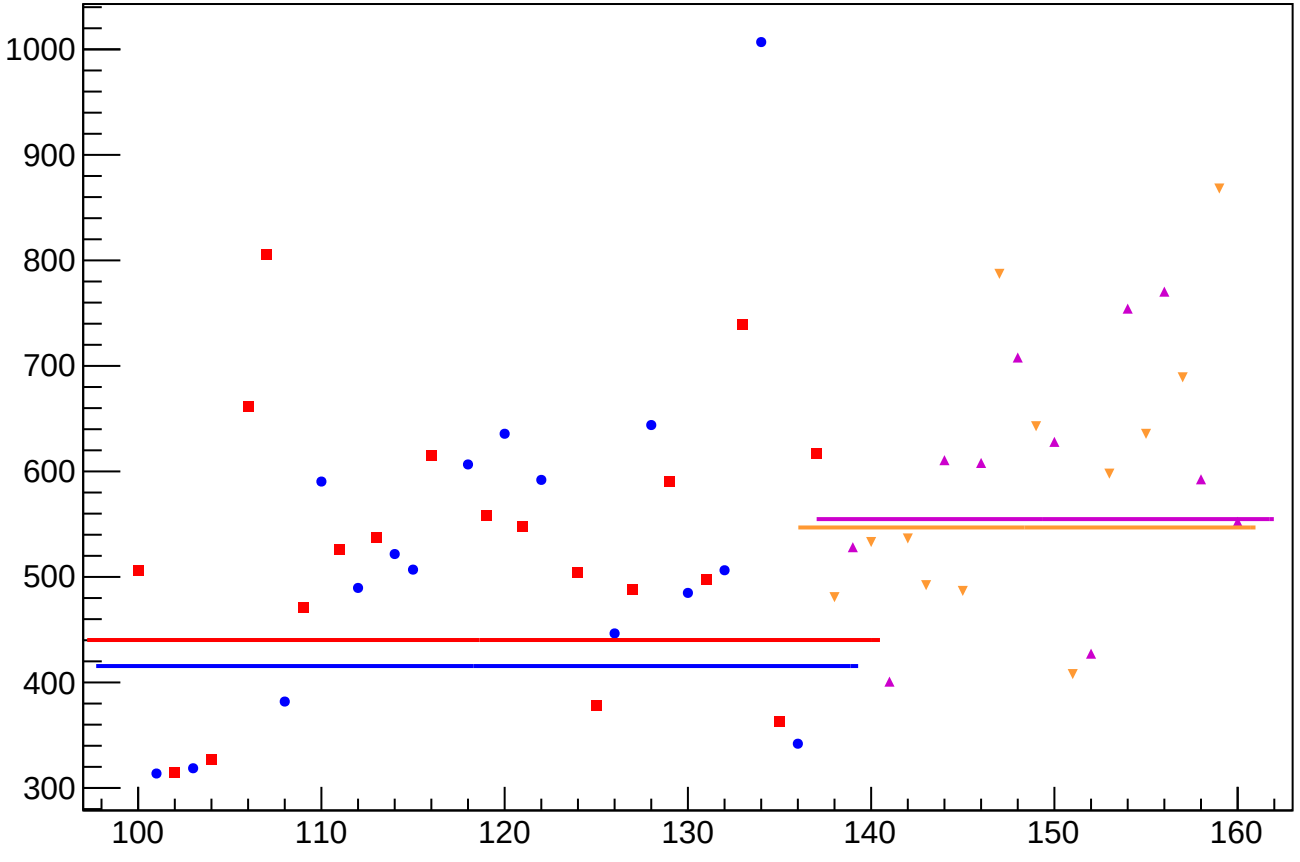
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 133625.243+/-0.128 χ^2/NDF:2872970235.9/26

Out: 133332.496+/-0.130 χ^2/NDF:2237701396.4/3

All: 133480.388+/-0.091 χ^2/NDF: 51132455

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: 554.811+/-0.140 χ^2/NDF:674747.1/10

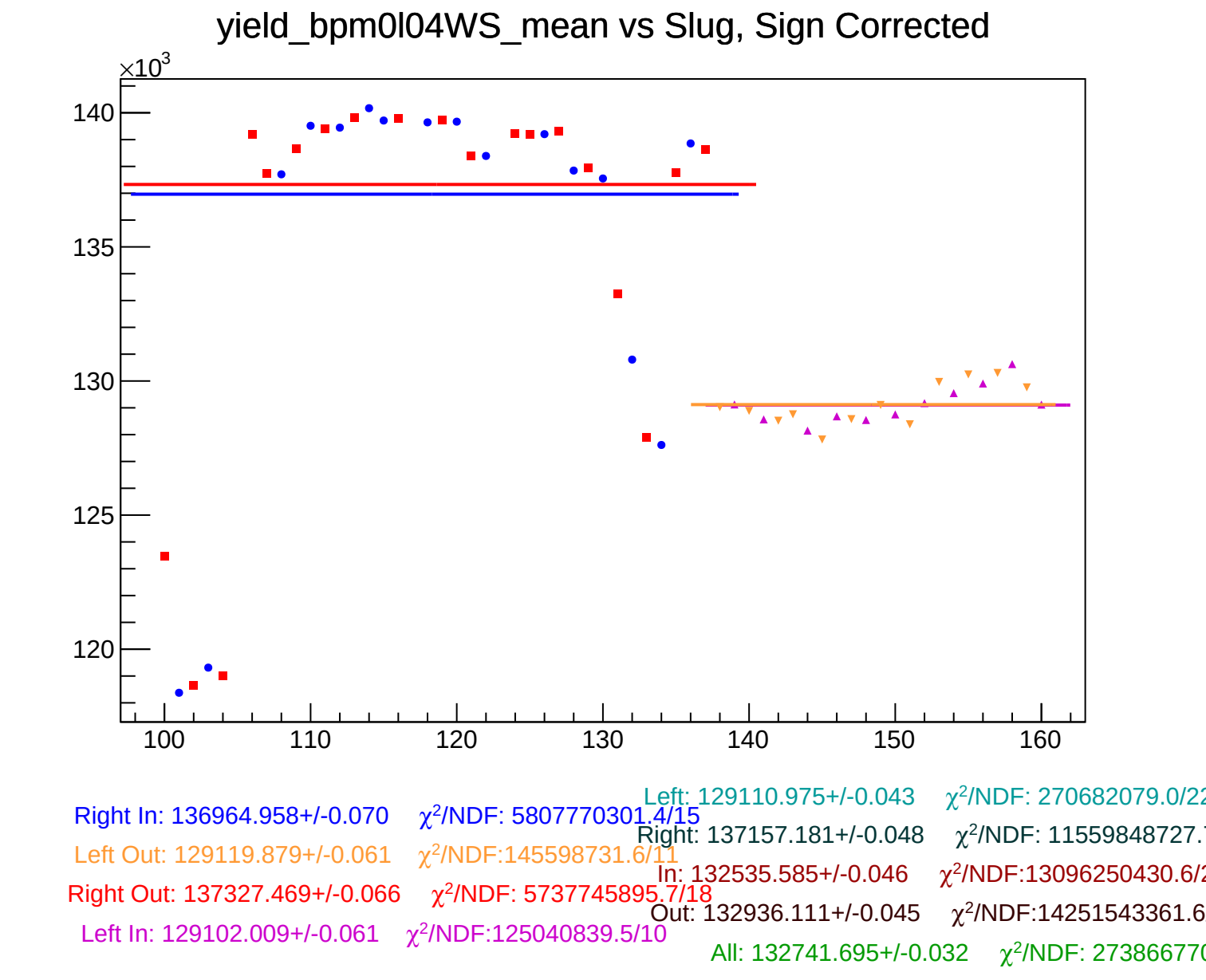
Left: 550.703+/-0.097 χ^2/NDF: 1381288.0/22

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

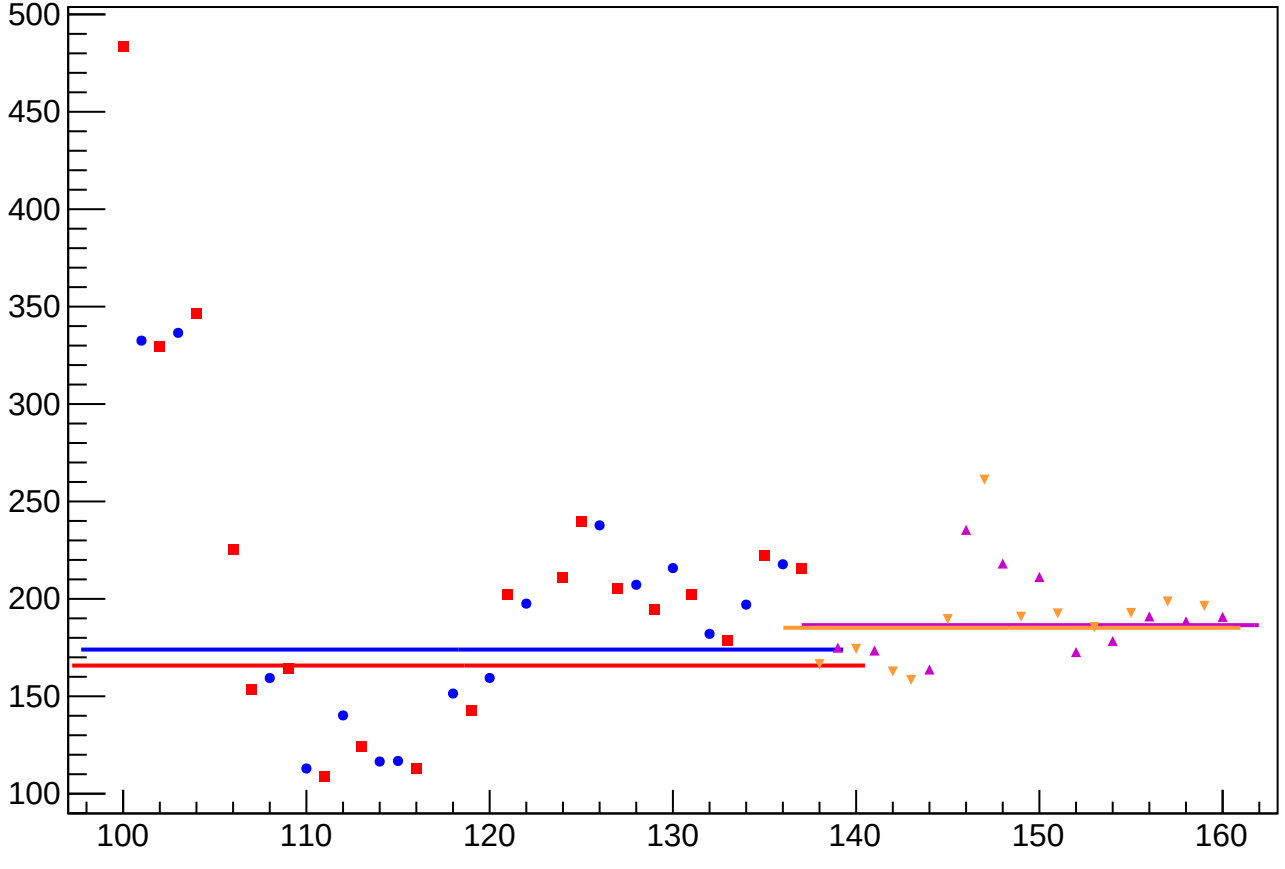
In: 474.074+/-0.091 χ^2/NDF:2279976.4/26

Out: 489.400+/-0.092 χ^2/NDF:1951803.6/30

All: 481.657+/-0.065 χ^2/NDF: 4245888.5/57


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129119.879+/-0.061 χ²/NDF:145598731.6/11
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129102.009+/-0.061 χ²/NDF:125040839.5/10
Left: 129110.975+/-0.043 χ²/NDF: 270682079.0/22
Right: 137157.181+/-0.048 χ²/NDF: 11559848727.
In: 132535.585+/-0.046 χ²/NDF:13096250430.6/2
Out: 132936.111+/-0.045 χ²/NDF:14251543361.6
All: 132741.695+/-0.032 χ²/NDF: 27386770

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: 186.510+/-0.043 χ^2/NDF:201488.4/10

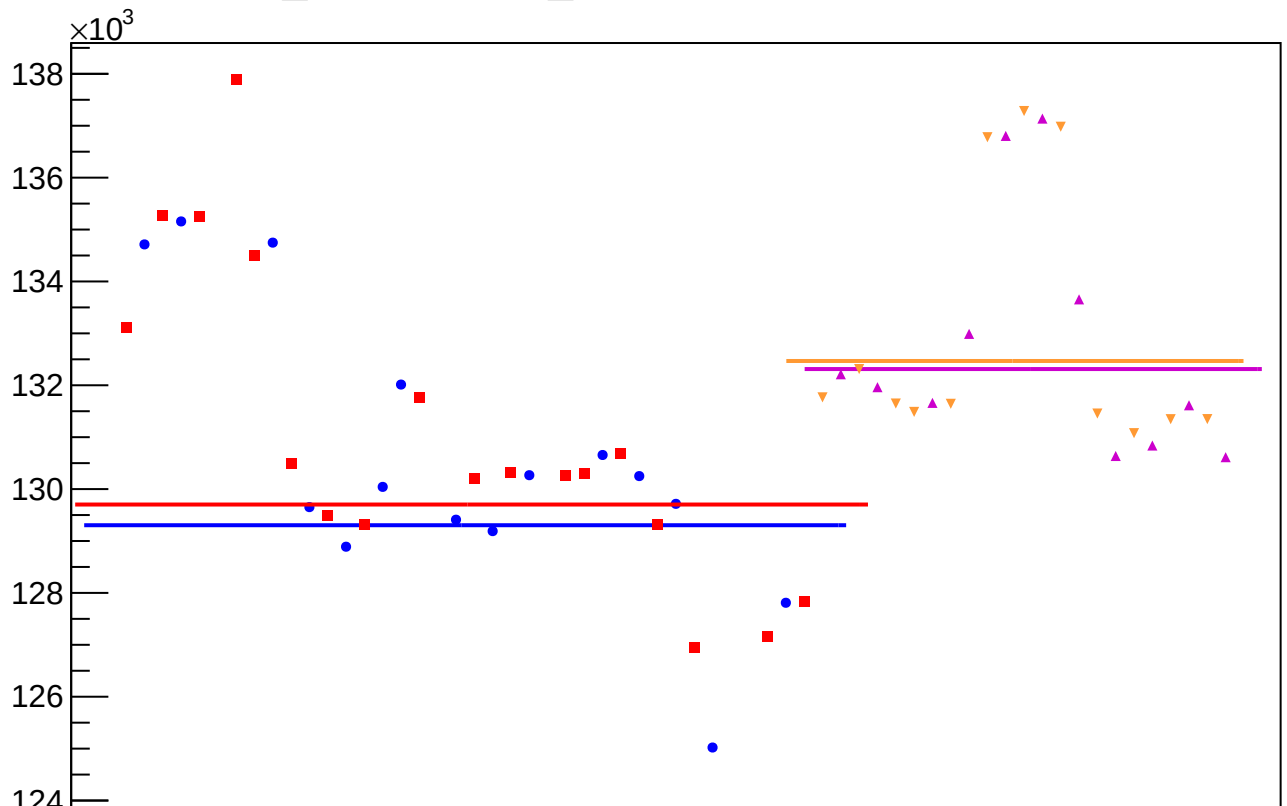
Left: 185.832+/-0.031 χ^2/NDF: 447423.1/22

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 181.039+/-0.033 χ^2/NDF:1426353.7/26

Out: 176.148+/-0.032 χ^2/NDF:1771904.7/30

All: 178.522+/-0.023 χ^2/NDF: 3209854.2/57



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: 132312.575+/-0.062 χ^2/NDF:871540437.6/10

Left: 132390.164+/-0.044 χ^2/NDF: 1955145335.8/2

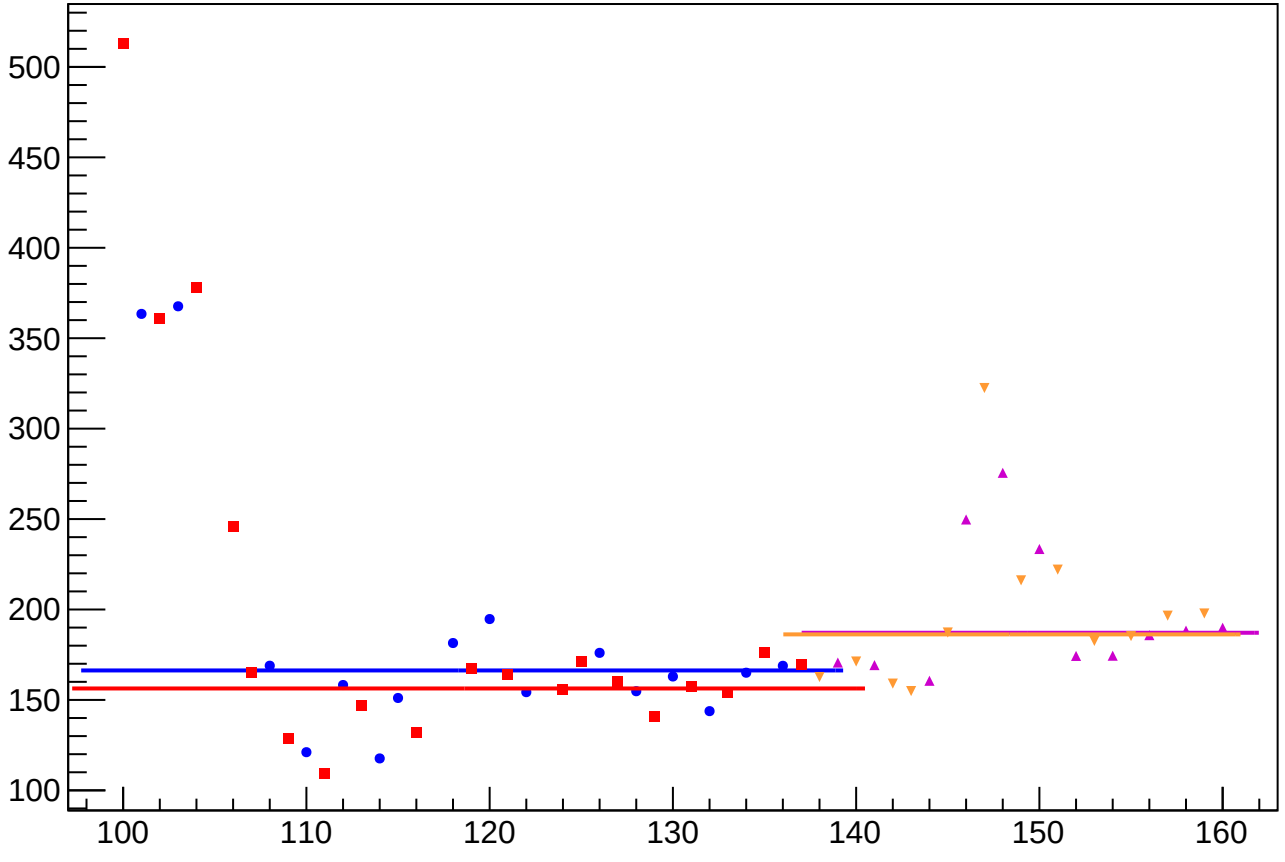
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130904.844+/-0.045 χ^2/NDF:3620844423.4/26

Out: 131071.226+/-0.044 χ^2/NDF:3857518599.2/3

All: 130990.922+/-0.031 χ^2/NDF: 74853474

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: 187.139+/-0.044 χ^2/NDF:447273.7/10

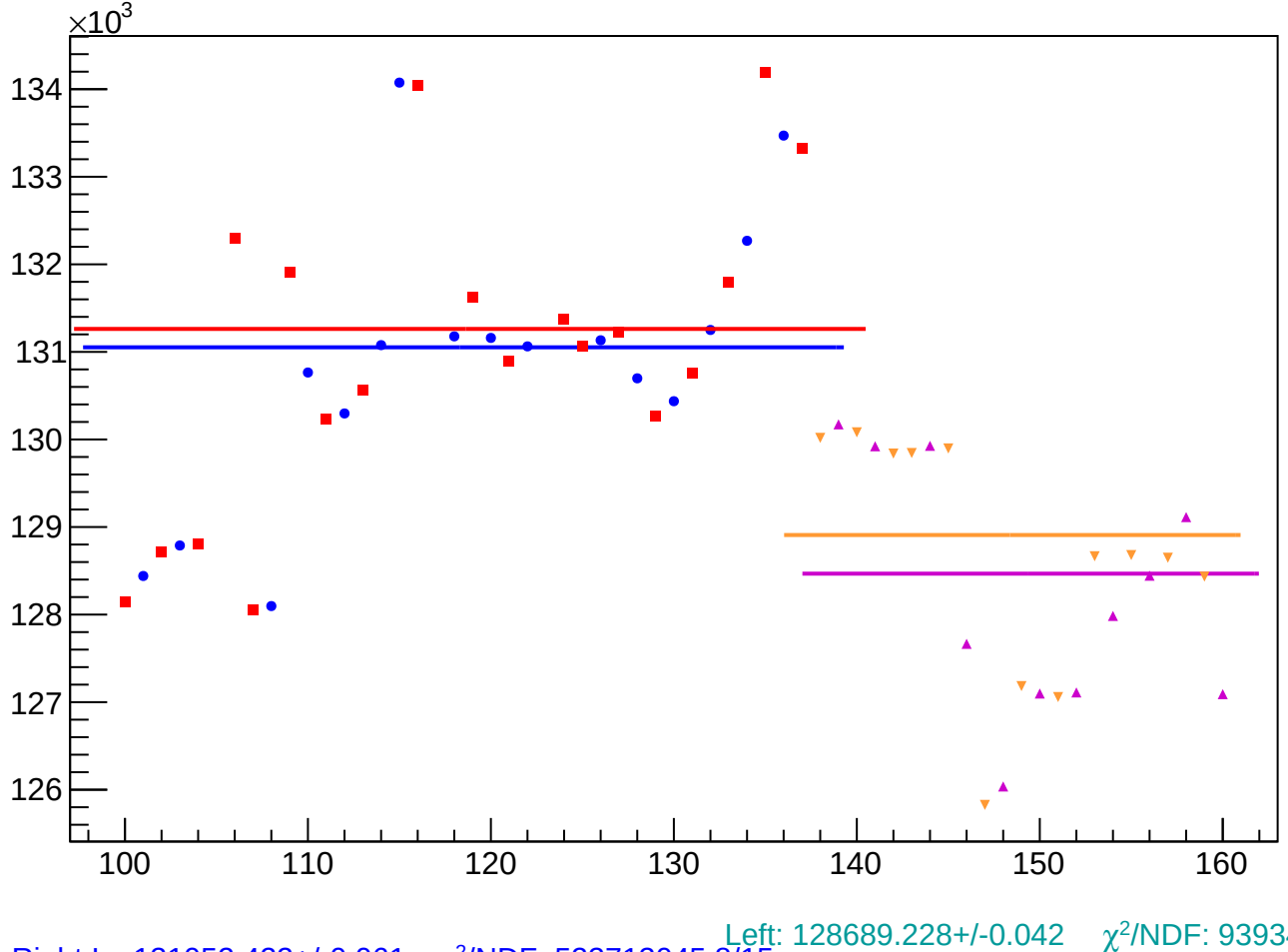
Left: 186.692+/-0.031 χ^2/NDF: 956072.8/22

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 177.390+/-0.032 χ^2/NDF:1490653.8/26

Out: 171.136+/-0.031 χ^2/NDF:1915205.2/30

All: 174.155+/-0.022 χ^2/NDF: 3425592.2/57



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: 128467.481+/-0.059 χ^2/NDF:500427872.5/10

Left: 128689.228+/-0.042 χ^2/NDF: 939345391.8/22

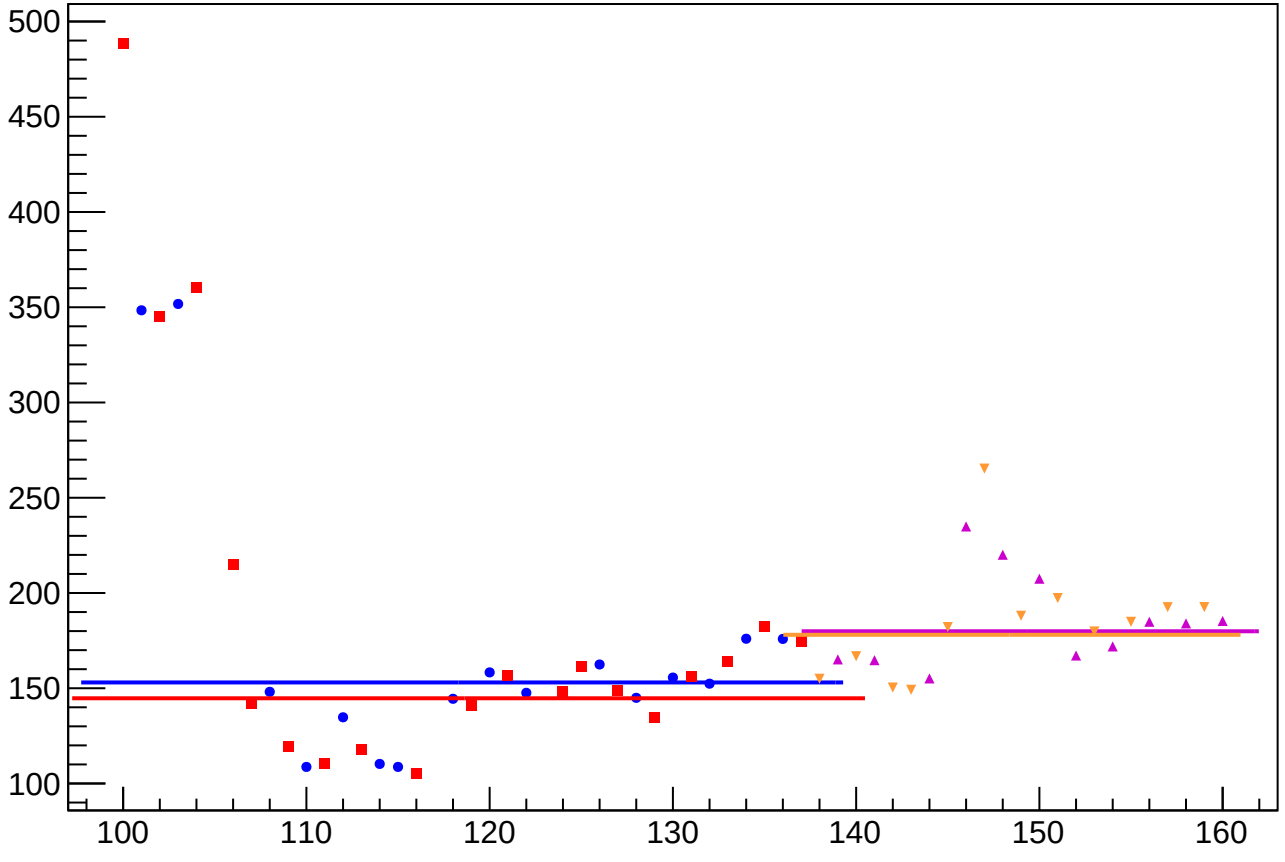
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129731.159+/-0.042 χ^2/NDF:1952927810.2/26

Out: 130132.879+/-0.041 χ^2/NDF:1843201397.6/3

All: 129939.408+/-0.029 χ^2/NDF: 384266585

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: 179.906+/-0.042 χ^2/NDF:271140.2/10

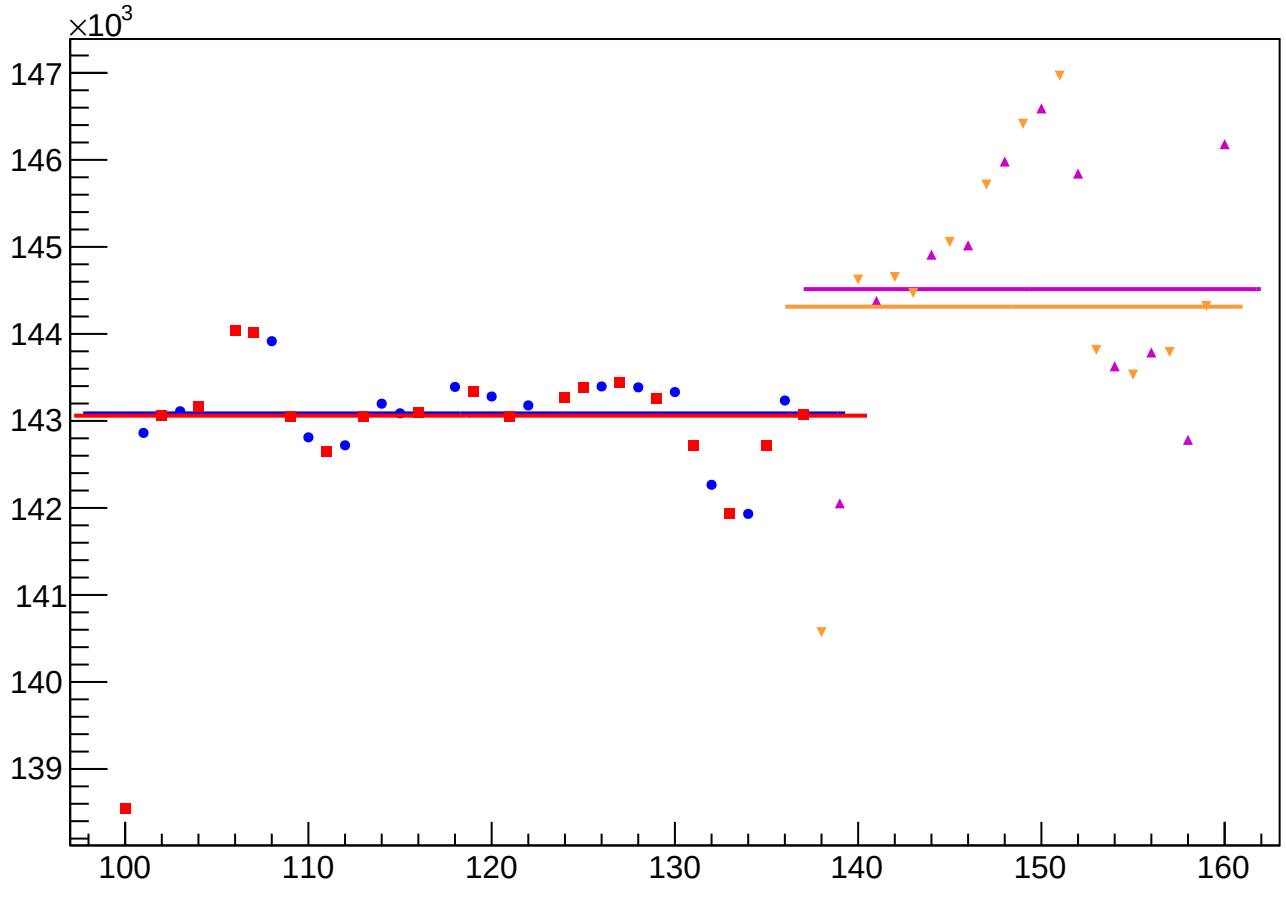
Left: 178.976+/-0.030 χ^2/NDF: 620563.0/22

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 166.774+/-0.030 χ^2/NDF:1531227.9/26

Out: 160.722+/-0.029 χ^2/NDF:1943812.4/30

All: 163.636+/-0.021 χ^2/NDF: 3496162.9/57



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: 144514.735+/-0.068 χ^2/NDF:427407552.4/10

Left: 144414.223+/-0.048 χ^2/NDF: 998452867.3/22

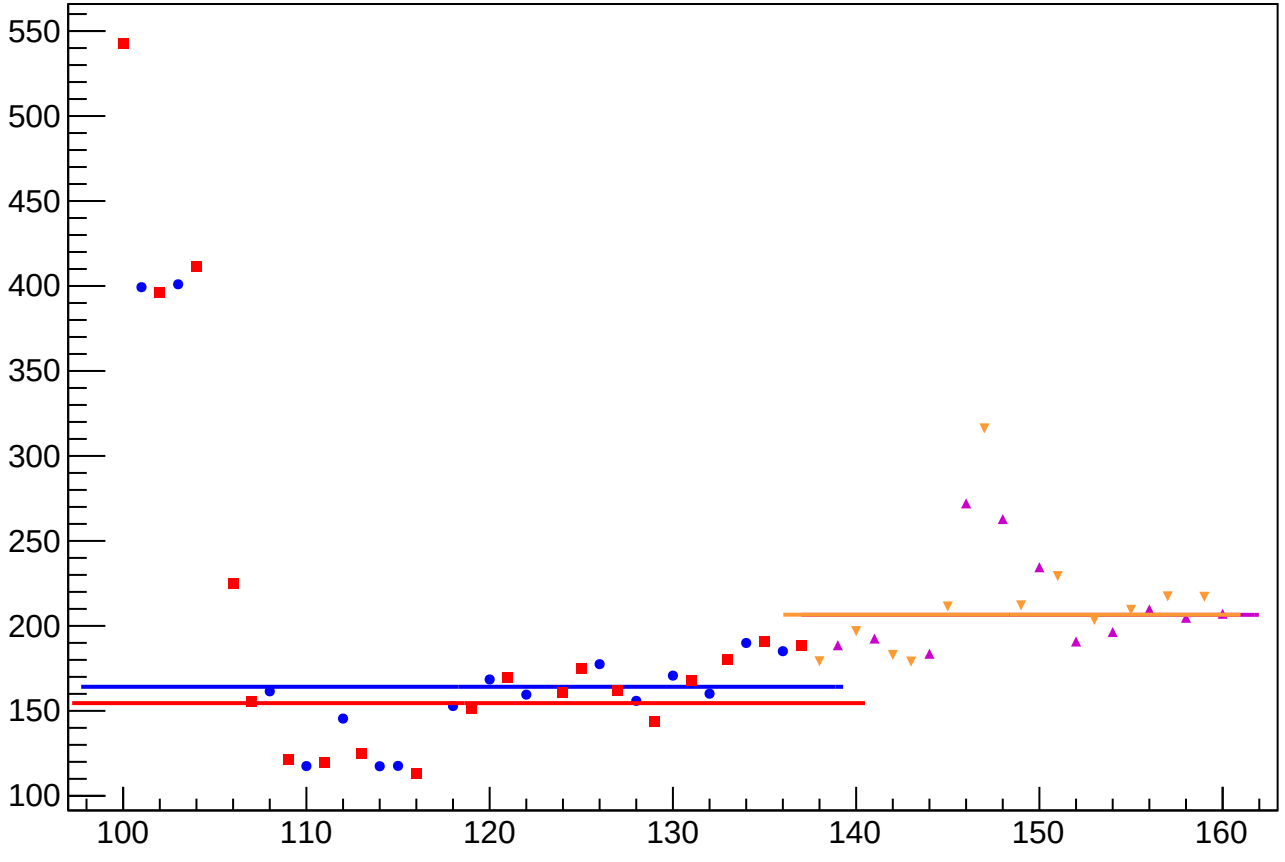
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143768.002+/-0.047 χ^2/NDF:703933504.2/26

Out: 143610.121+/-0.045 χ^2/NDF:805523870.1/30

All: 143686.274+/-0.033 χ^2/NDF: 15152838

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: 206.502+/-0.048 χ^2/NDF:269015.0/10

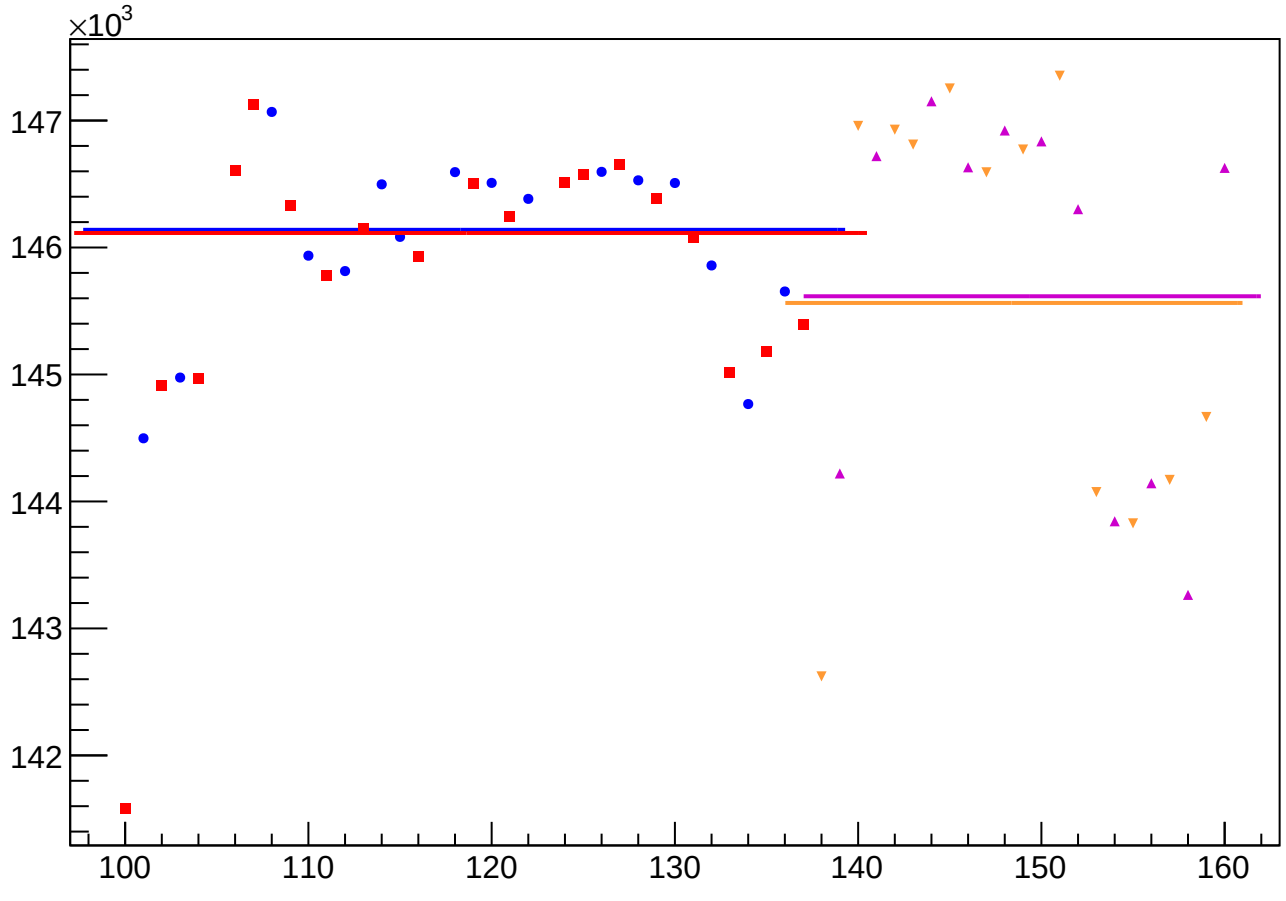
Left: 206.548+/-0.034 χ^2/NDF: 582845.2/22

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 184.368+/-0.033 χ^2/NDF:1802592.1/26

Out: 177.408+/-0.032 χ^2/NDF:2327015.2/30

All: 180.765+/-0.023 χ^2/NDF: 4152256.6/57



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: 145616.019+/-0.068 χ^2/NDF:451744737.5/10

Left: 145589.653+/-0.048 χ^2/NDF: 1044984383.5/2

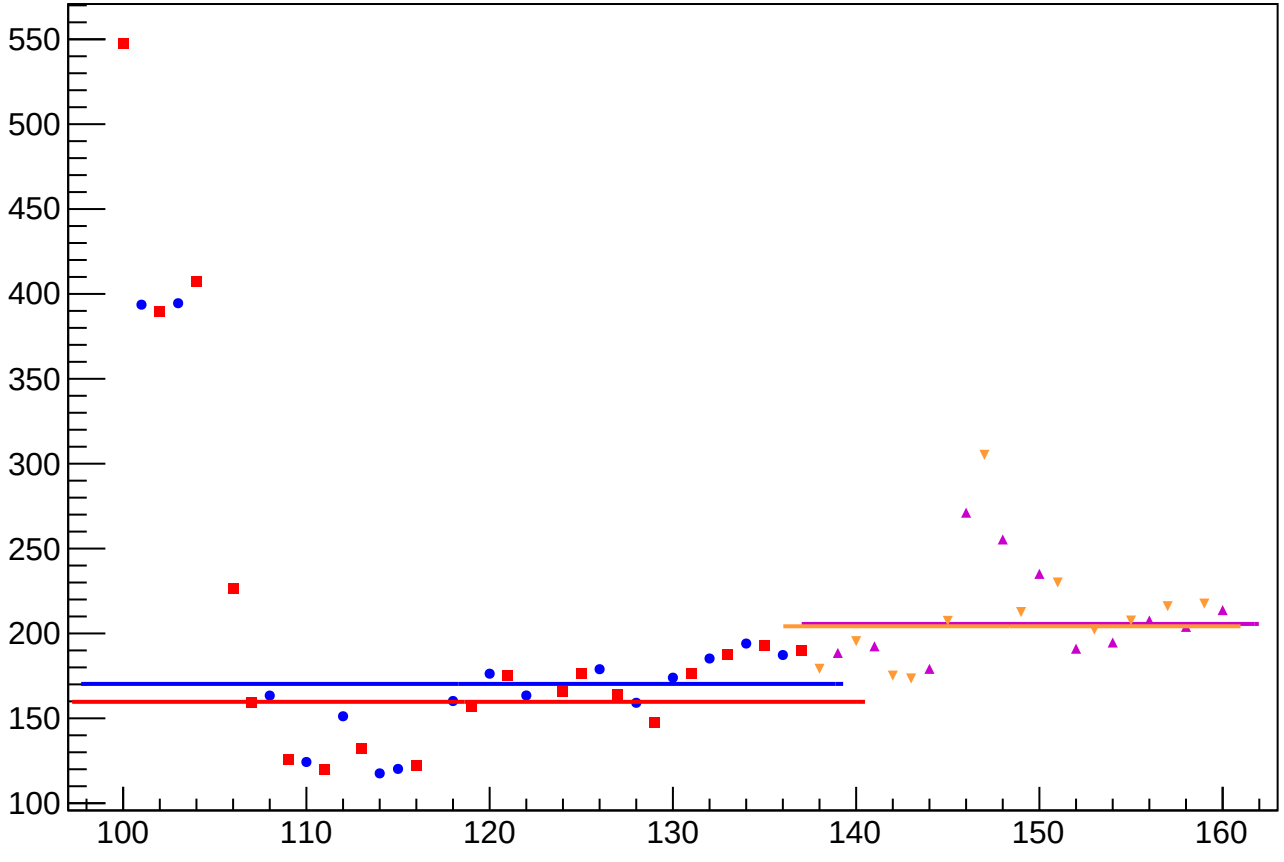
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145879.424+/-0.048 χ^2/NDF:553398345.7/26

Out: 145861.015+/-0.046 χ^2/NDF:701816748.5/30

All: 145869.846+/-0.033 χ^2/NDF: 12552922

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: 205.598+/-0.048 χ^2/NDF:268755.3/10

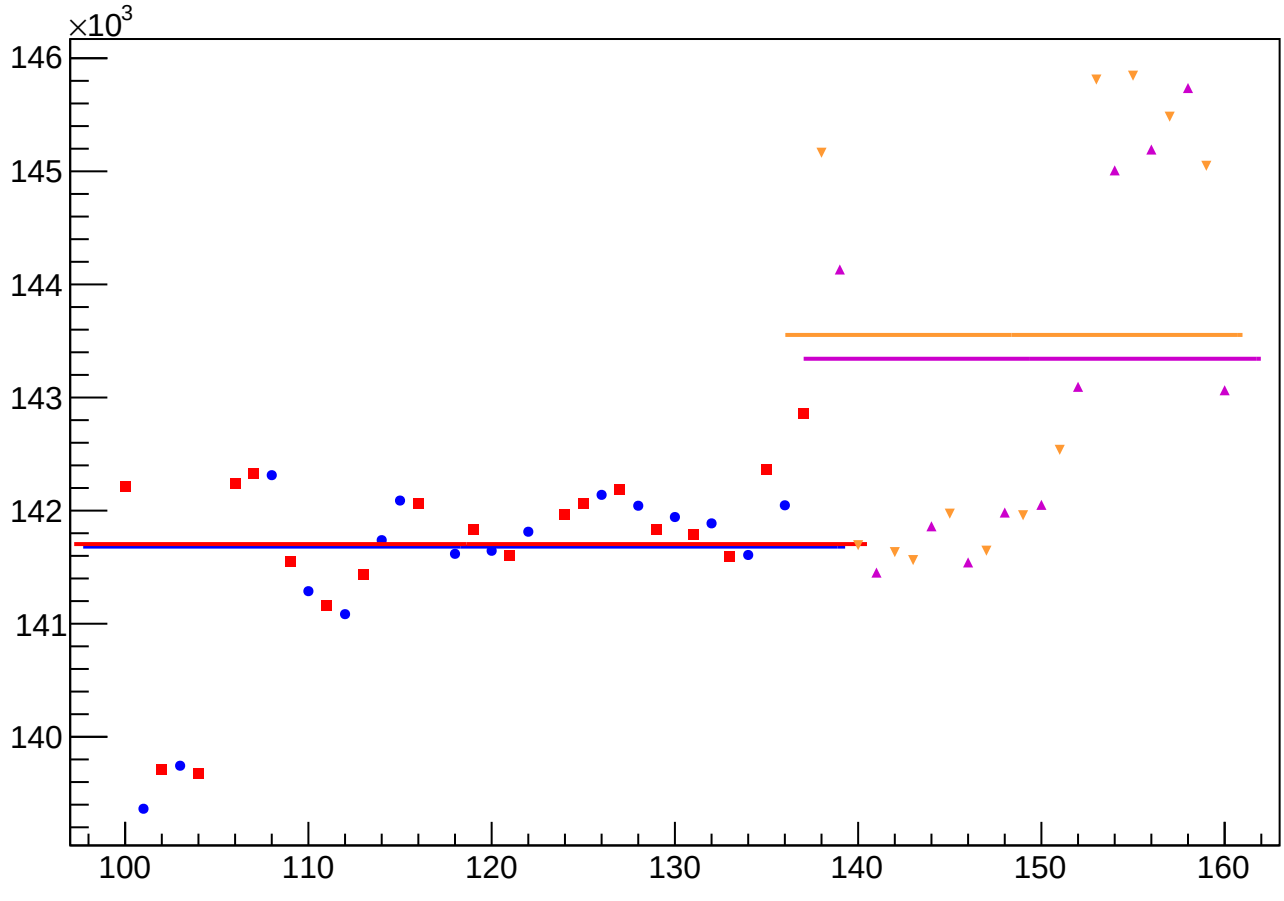
Left: 204.905+/-0.034 χ^2/NDF: 589167.0/22

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 187.817+/-0.034 χ^2/NDF:1599164.5/26

Out: 180.187+/-0.032 χ^2/NDF:2077725.8/30

All: 183.847+/-0.023 χ^2/NDF: 3703385.4/57



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: 143342.797+/-0.071 χ^2/NDF:449275797.6/10

Left: 143446.769+/-0.051 χ^2/NDF: 1088049165.5/2

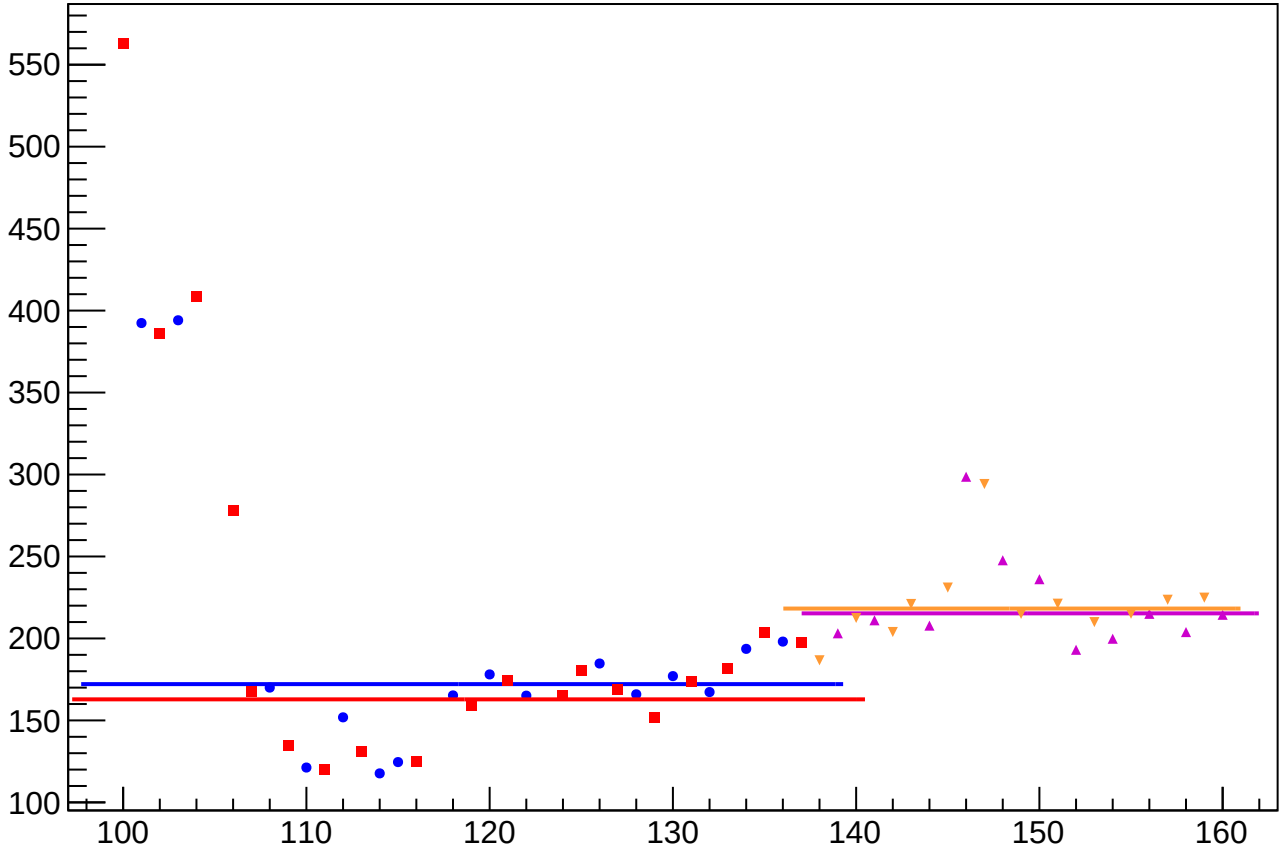
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142479.585+/-0.049 χ^2/NDF:797857621.7/26

Out: 142518.251+/-0.048 χ^2/NDF:1069876141.1/3

All: 142499.511+/-0.034 χ^2/NDF: 18680518

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: 215.303+/-0.050 χ^2/NDF:223420.9/10

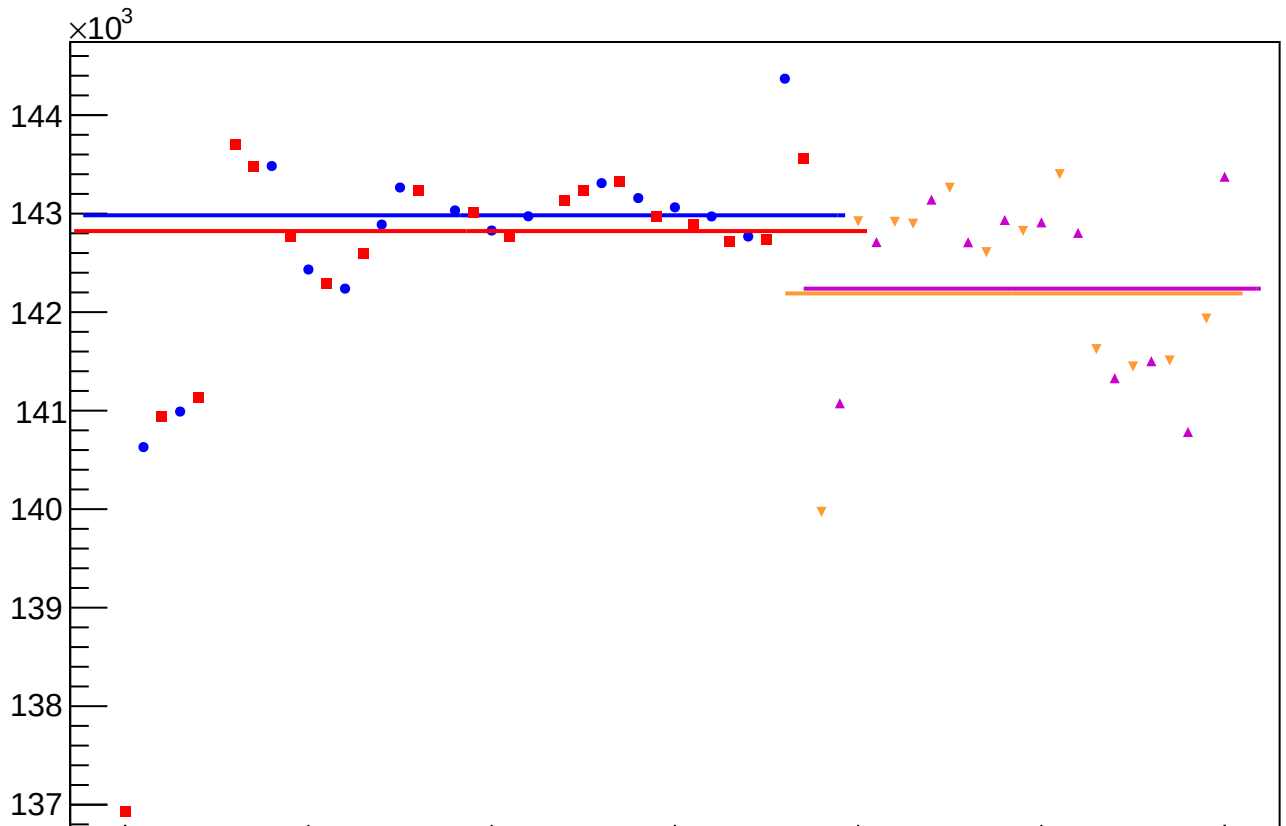
Left: 216.752+/-0.036 χ^2/NDF: 394518.8/22

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 192.870+/-0.035 χ^2/NDF:1675999.2/26

Out: 187.230+/-0.034 χ^2/NDF:2139105.3/30

All: 189.963+/-0.024 χ^2/NDF: 3828641.7/57



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: 142238.471+/-0.066 χ^2/NDF:188314744.6/10

Left: 142214.049+/-0.047 χ^2/NDF: 427451108.9/22

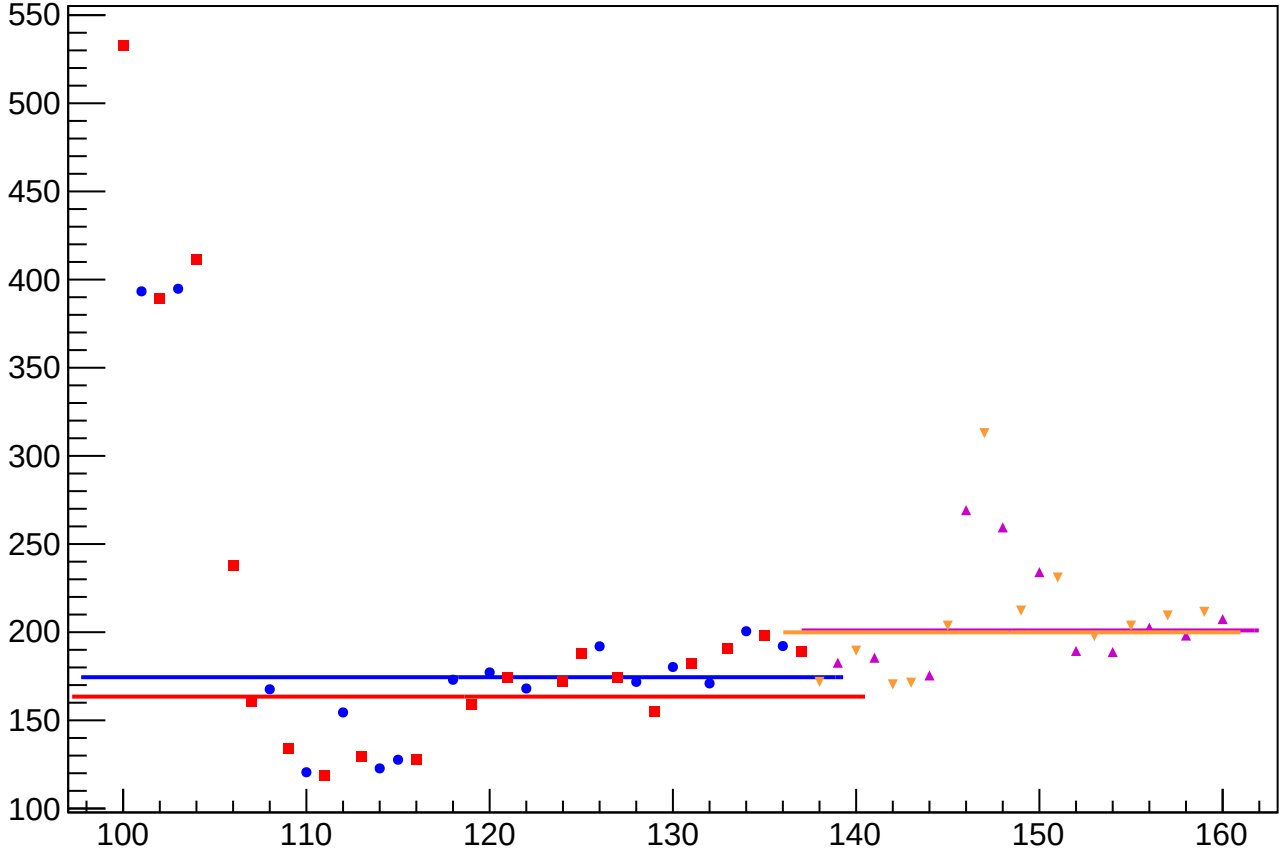
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142595.533+/-0.048 χ^2/NDF:356411158.5/26

Out: 142517.194+/-0.046 χ^2/NDF:349621613.1/30

All: 142554.861+/-0.033 χ^2/NDF: 70742379

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: 201.001+/-0.047 χ^2/NDF:310988.2/10

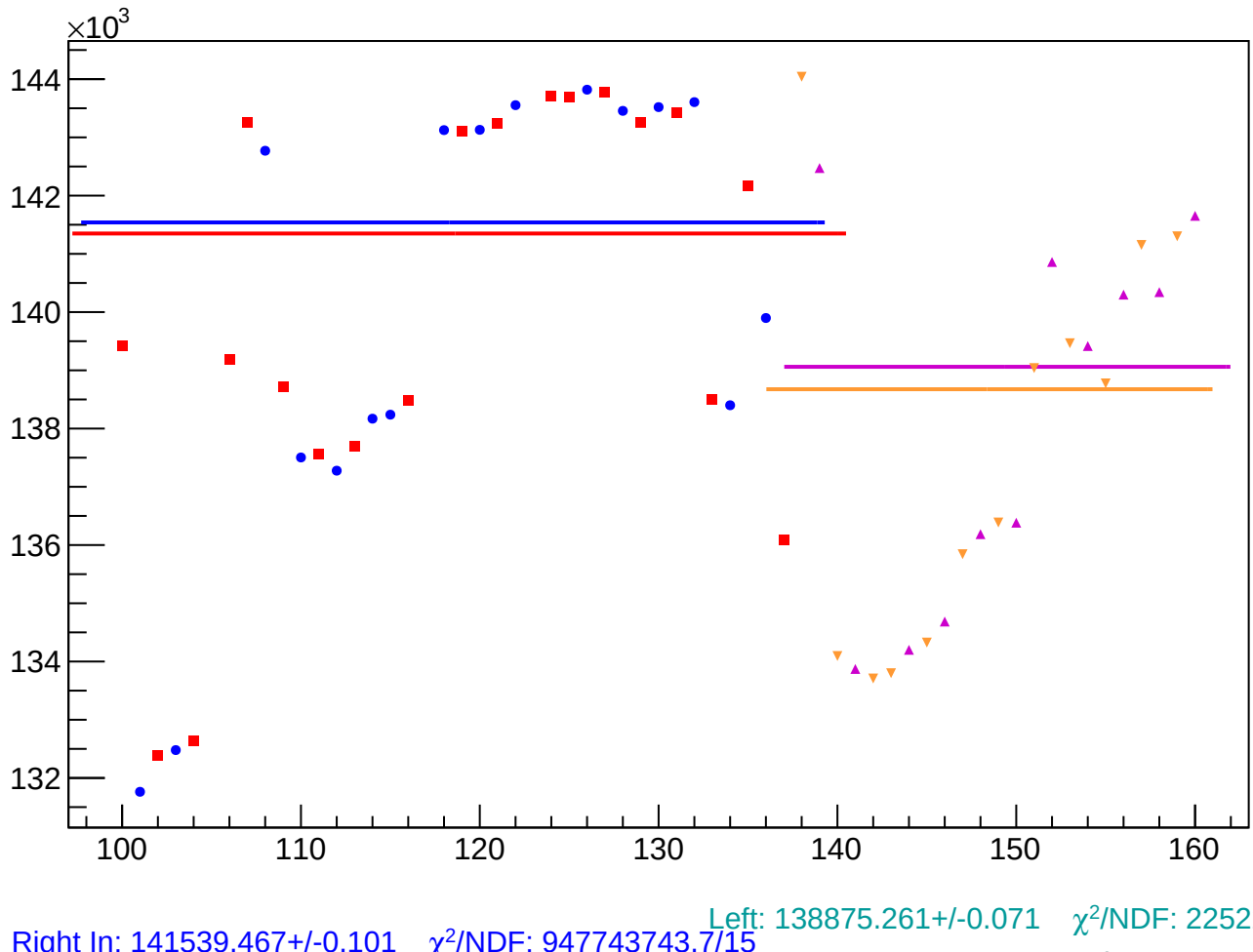
Left: 200.458+/-0.033 χ^2/NDF: 684460.0/22

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 188.276+/-0.034 χ^2/NDF:1513542.8/26

Out: 181.049+/-0.033 χ^2/NDF:1968787.4/30

All: 184.524+/-0.023 χ^2/NDF: 3506008.7/57



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: 139060.663+/-0.099 χ^2/NDF:987595042.7/10

Left: 138875.261+/-0.071 χ^2/NDF: 2252205149.7/2

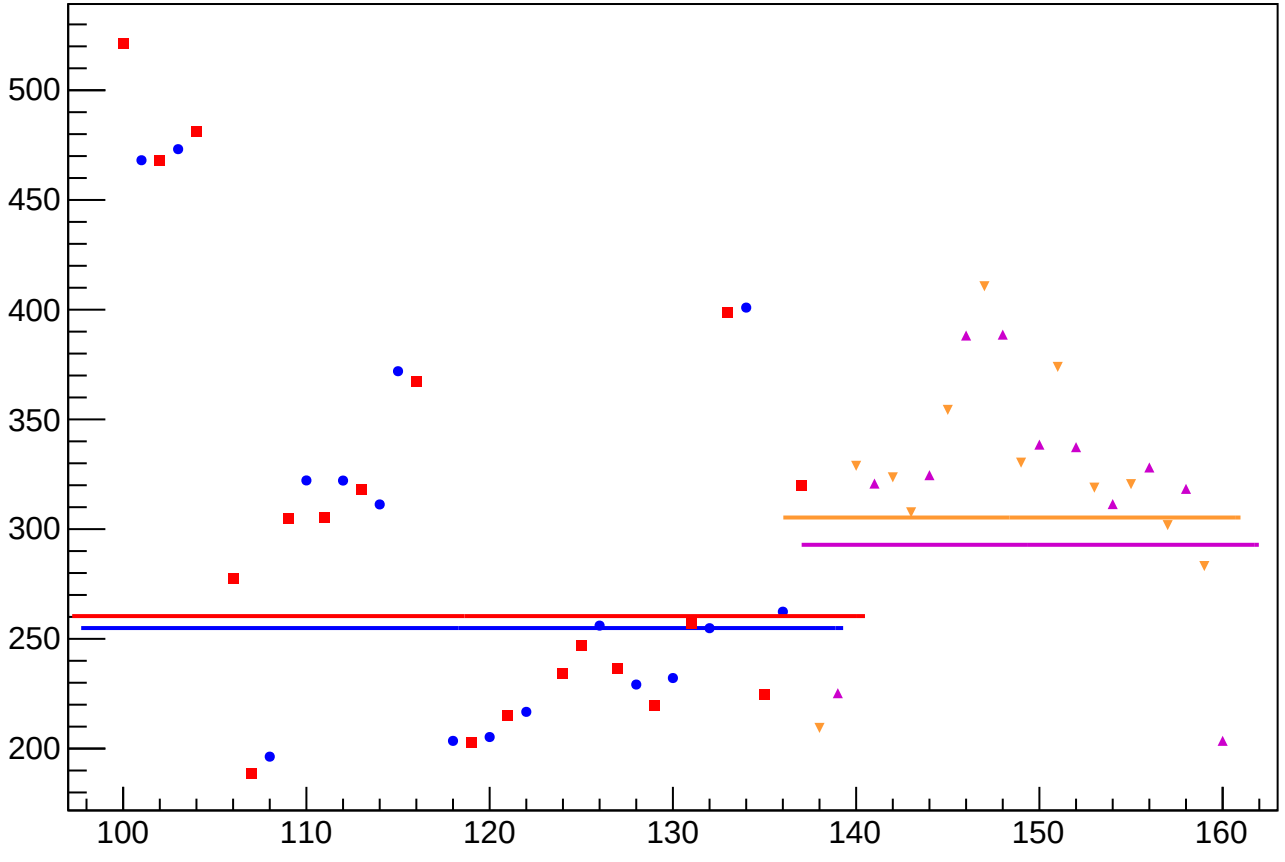
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140272.087+/-0.070 χ^2/NDF:2244465484.9/26

Out: 140028.982+/-0.072 χ^2/NDF:2529695218.8/3

All: 140152.961+/-0.050 χ^2/NDF: 47799915

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: 292.860+/-0.070 χ^2/NDF:785738.6/10

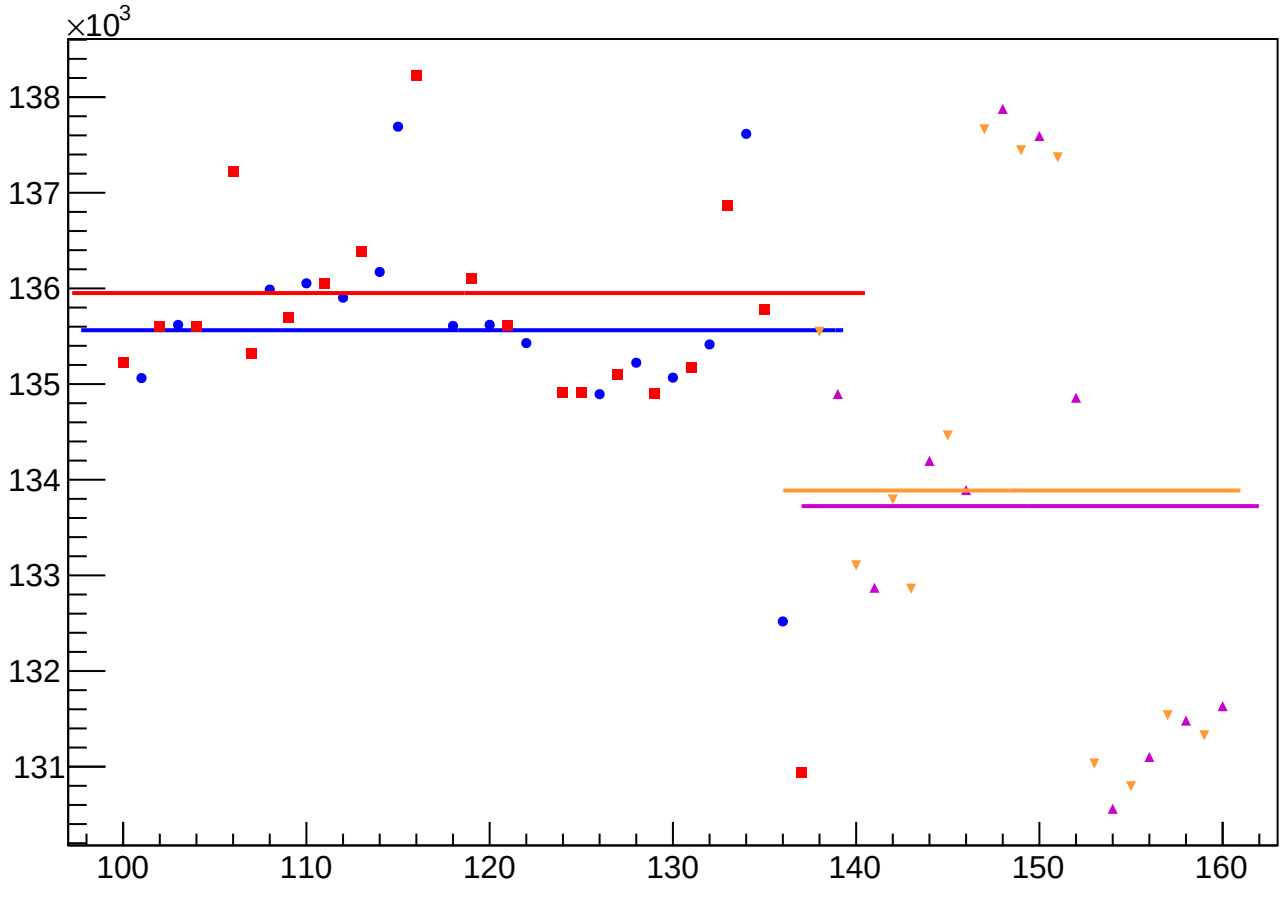
Left: 298.845+/-0.050 χ^2/NDF: 1344757.7/22

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 274.318+/-0.050 χ^2/NDF:1880531.4/26

Out: 282.554+/-0.051 χ^2/NDF:1732196.8/30

All: 278.354+/-0.036 χ^2/NDF: 3626114.4/57



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133887.243+/-0.083 χ^2/NDF:578833388.8/11

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133724.088+/-0.088 χ^2/NDF:464798805.0/10

Left: 133809.623+/-0.060 χ^2/NDF: 1045453024.8/2

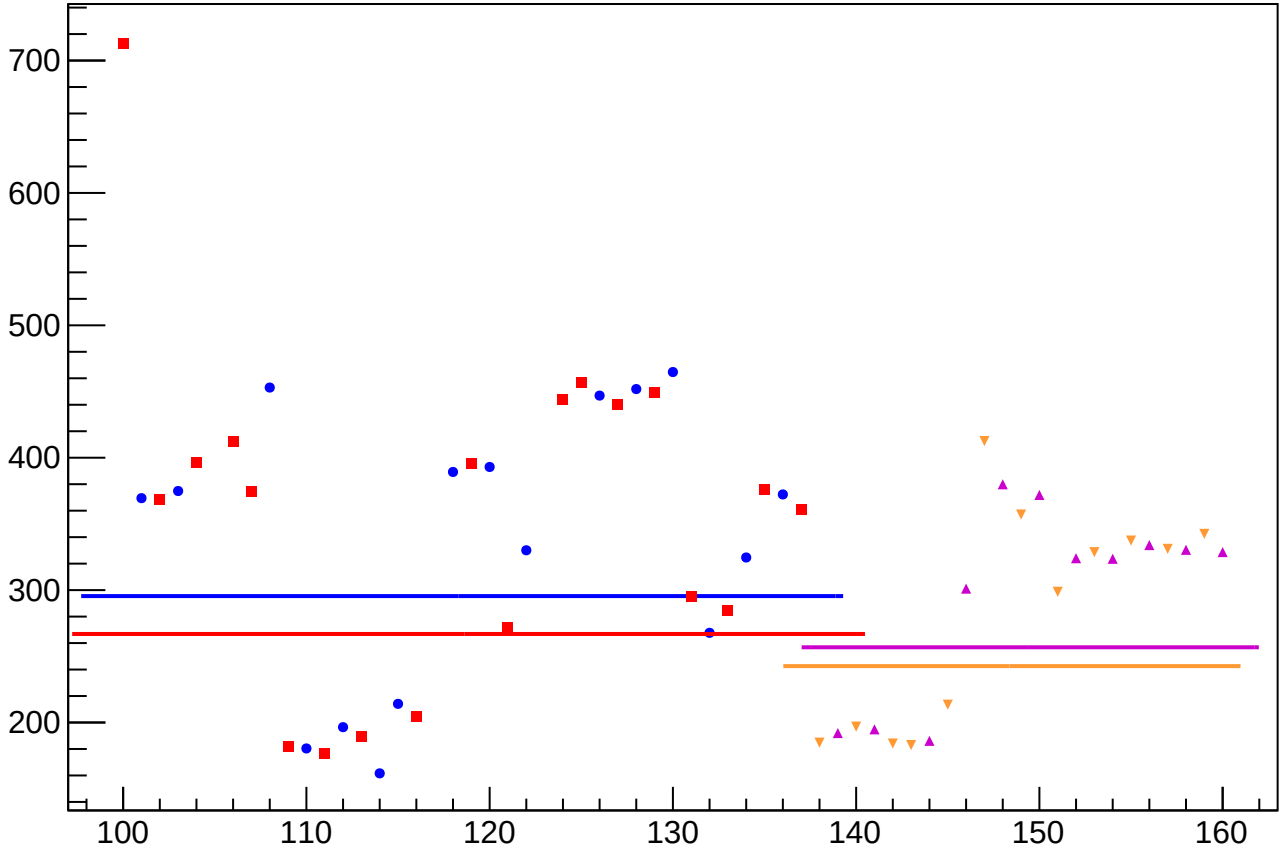
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134374.446+/-0.070 χ^2/NDF:715013930.8/26

Out: 134673.230+/-0.066 χ^2/NDF:903687835.9/30

All: 134534.275+/-0.048 χ^2/NDF: 16283416

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: 256.817+/-0.062 χ^2/NDF:1391004.6/10

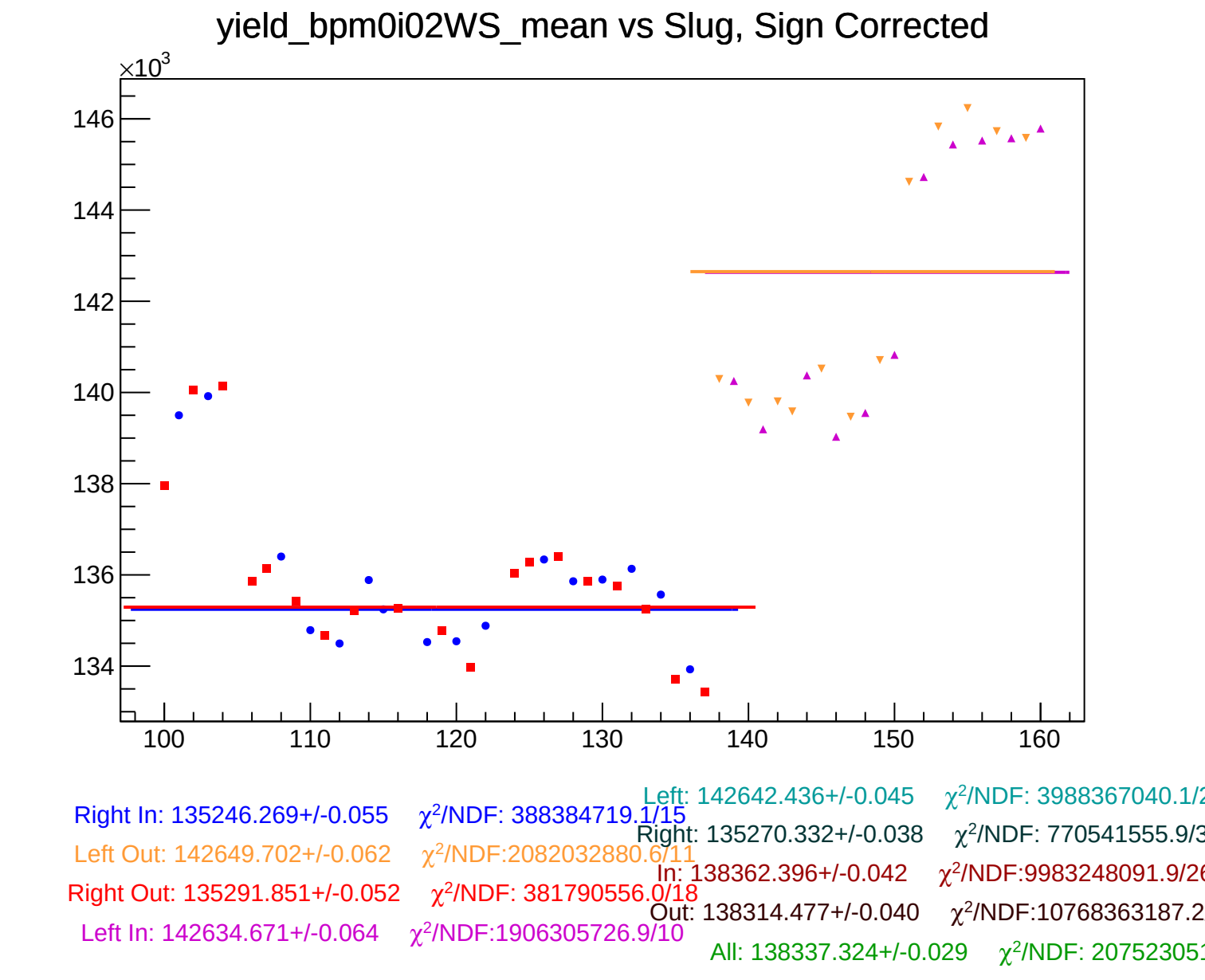
Left: 249.359+/-0.043 χ^2/NDF: 2932801.0/22

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

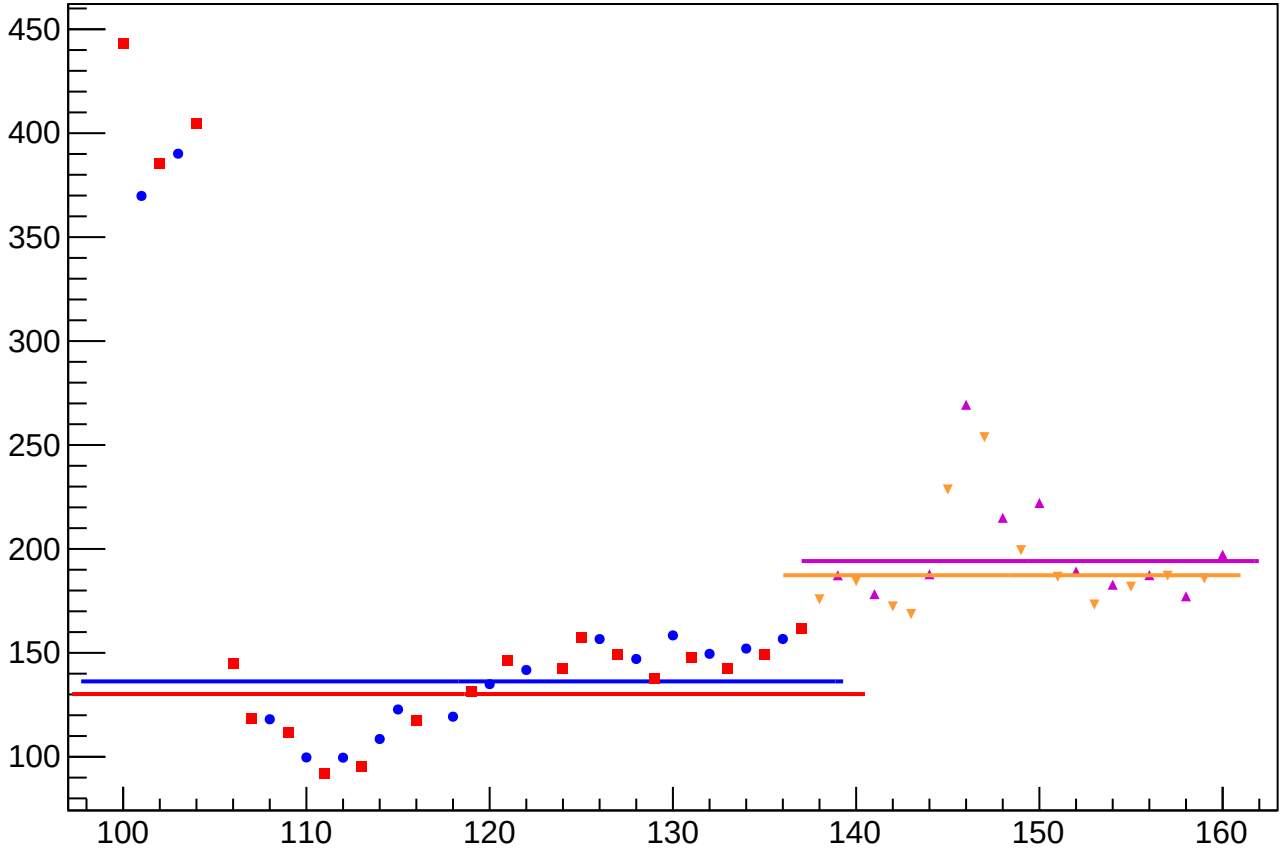
In: 270.491+/-0.050 χ^2/NDF:2971494.4/26

Out: 251.833+/-0.046 χ^2/NDF:3256691.9/30

All: 260.510+/-0.034 χ^2/NDF: 6303365.2/57


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 142649.702+/-0.062 χ²/NDF:2082032880.6/11
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 142634.671+/-0.064 χ²/NDF:1906305726.9/10
Left: 142642.436+/-0.045 χ²/NDF: 3988367040.1/2
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 138362.396+/-0.042 χ²/NDF:9983248091.9/26
Out: 138314.477+/-0.040 χ²/NDF:10768363187.2
All: 138337.324+/-0.029 χ²/NDF: 20752305

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: 194.168+/-0.045 χ^2/NDF:217729.4/10

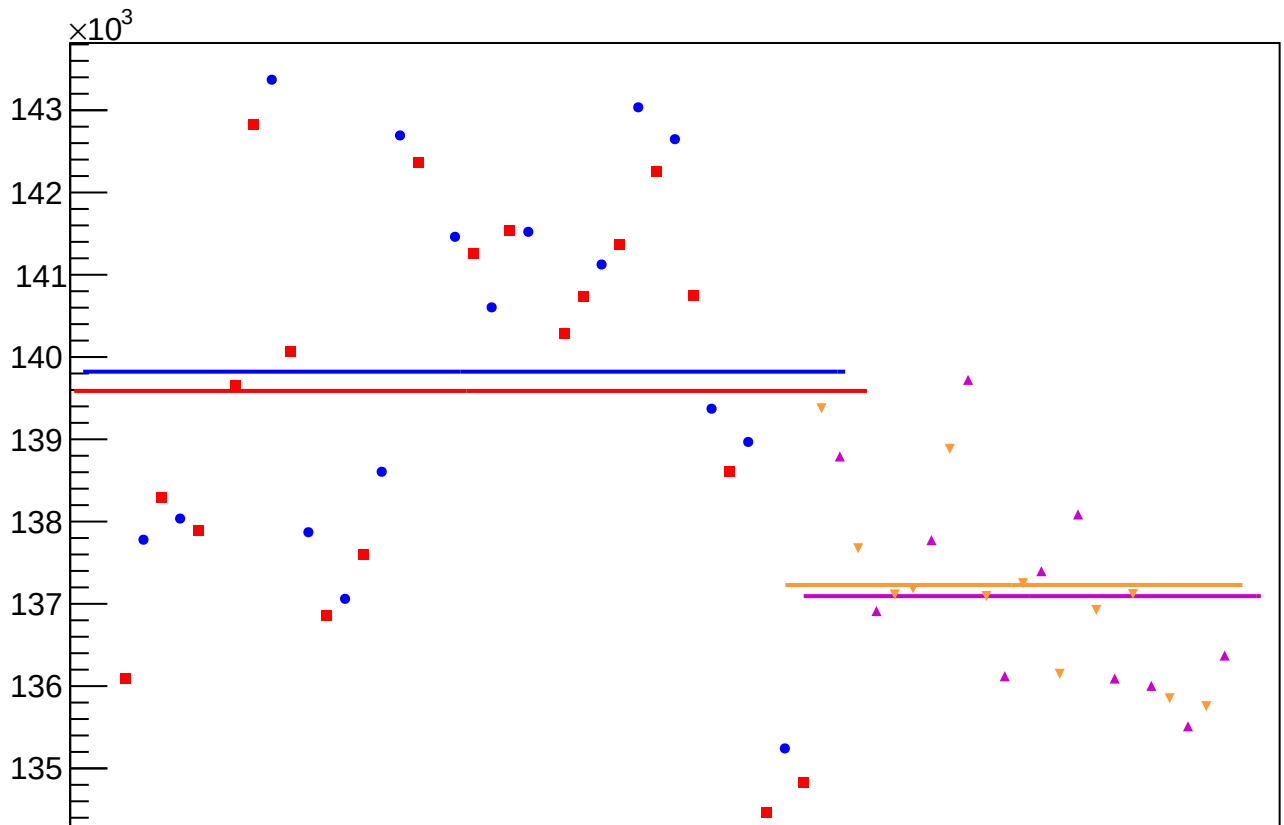
Left: 190.642+/-0.031 χ^2/NDF: 438202.5/22

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 160.698+/-0.029 χ^2/NDF:2545586.1/26

Out: 153.678+/-0.028 χ^2/NDF:2731176.9/30

All: 157.025+/-0.020 χ^2/NDF: 5306542.0/57



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: 137093.757+/-0.065 χ^2/NDF:326929663.1/10

Left: 137162.567+/-0.046 χ^2/NDF: 607967933.0/22

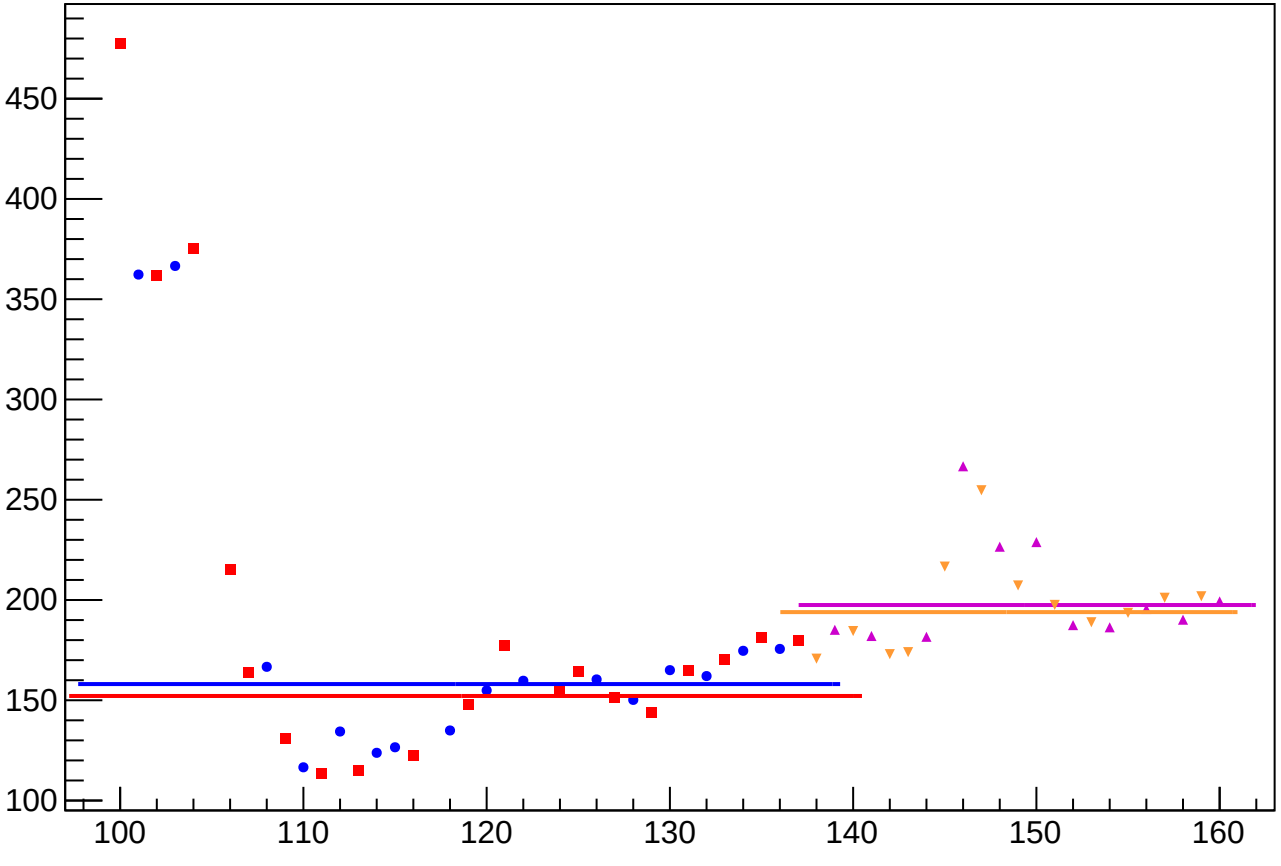
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138515.997+/-0.045 χ^2/NDF:2899916419.3/26

Out: 138494.665+/-0.044 χ^2/NDF:2484633360.8/3

All: 138504.985+/-0.031 χ^2/NDF: 53846648

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: 197.499+/-0.046 χ^2/NDF:222157.2/10

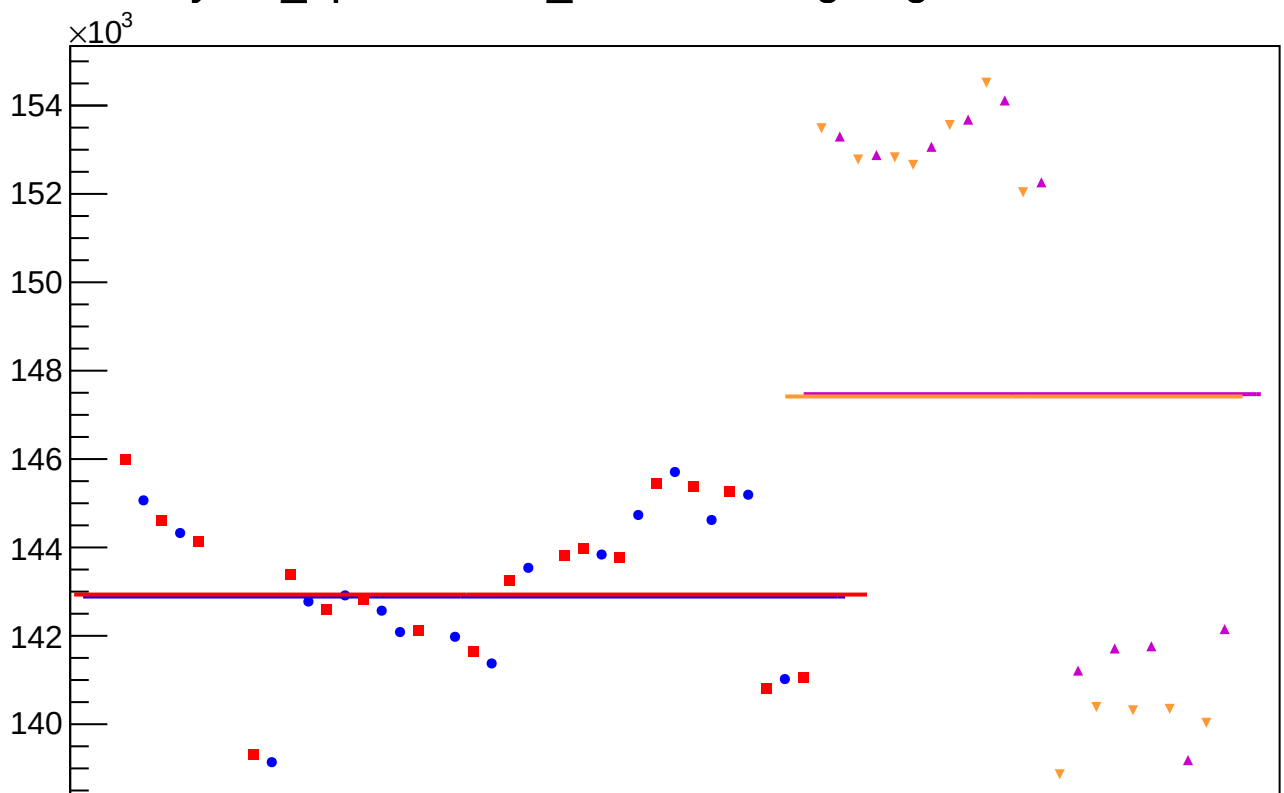
Left: 195.704+/-0.032 χ^2/NDF: 411997.0/22

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 176.950+/-0.032 χ^2/NDF:1619849.6/26

Out: 171.525+/-0.031 χ^2/NDF:1870516.7/30

All: 174.150+/-0.022 χ^2/NDF: 3505249.9/57



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: 147468.165+/-0.066 χ^2/NDF:8377998156.0/10

Left: 147441.794+/-0.046 χ^2/NDF: 18349981502.0

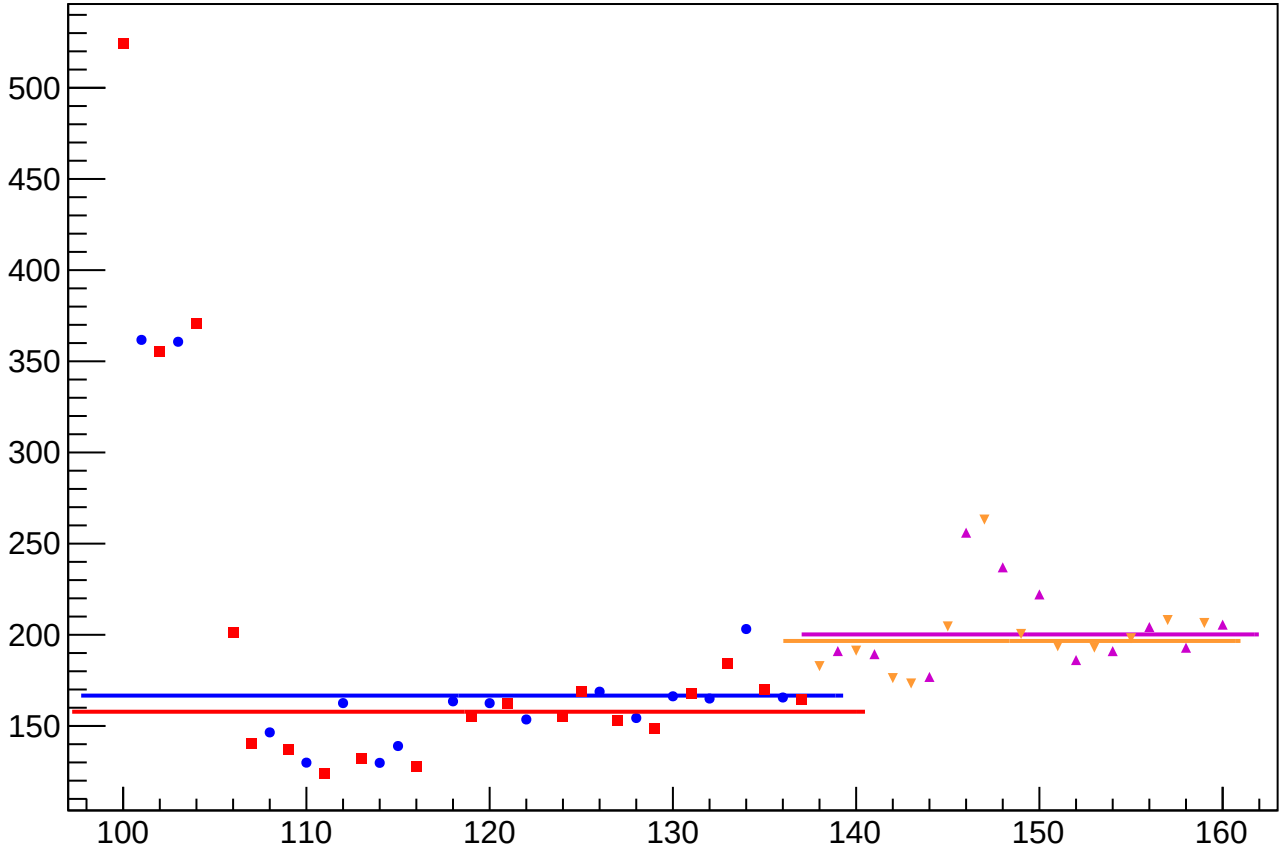
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145165.622+/-0.047 χ^2/NDF:11556972267.9/2

Out: 145051.596+/-0.045 χ^2/NDF:13265757590.3

All: 145106.257+/-0.032 χ^2/NDF: 24825849

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: 200.207+/-0.047 χ^2/NDF:196450.0/10

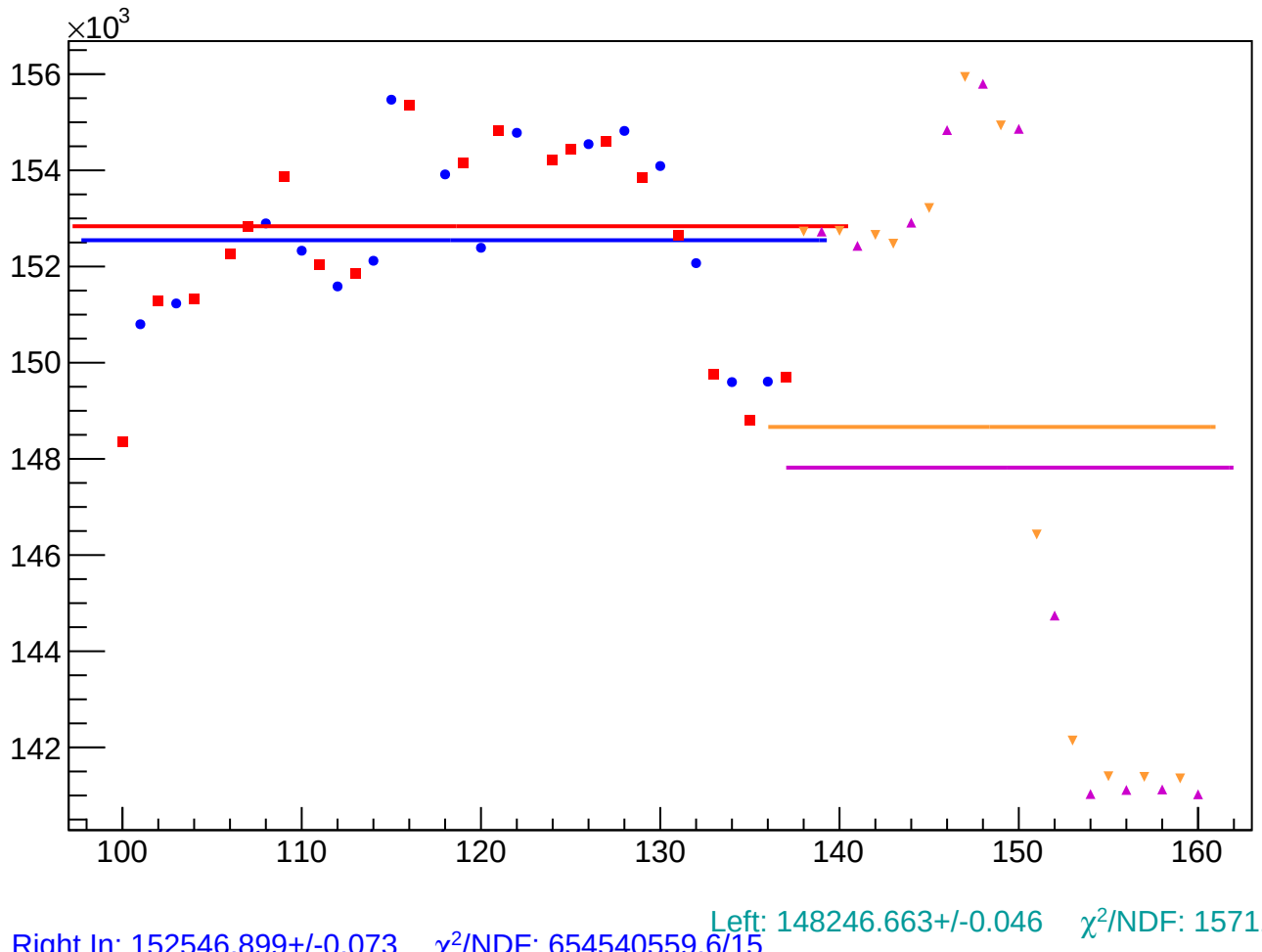
Left: 198.388+/-0.033 χ^2/NDF: 366065.1/22

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 183.336+/-0.033 χ^2/NDF:1319431.1/26

Out: 176.148+/-0.032 χ^2/NDF:1564918.8/30

All: 179.593+/-0.023 χ^2/NDF: 2909145.2/57



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: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

Left: 148246.663+/-0.046 χ^2/NDF: 15711221388.9

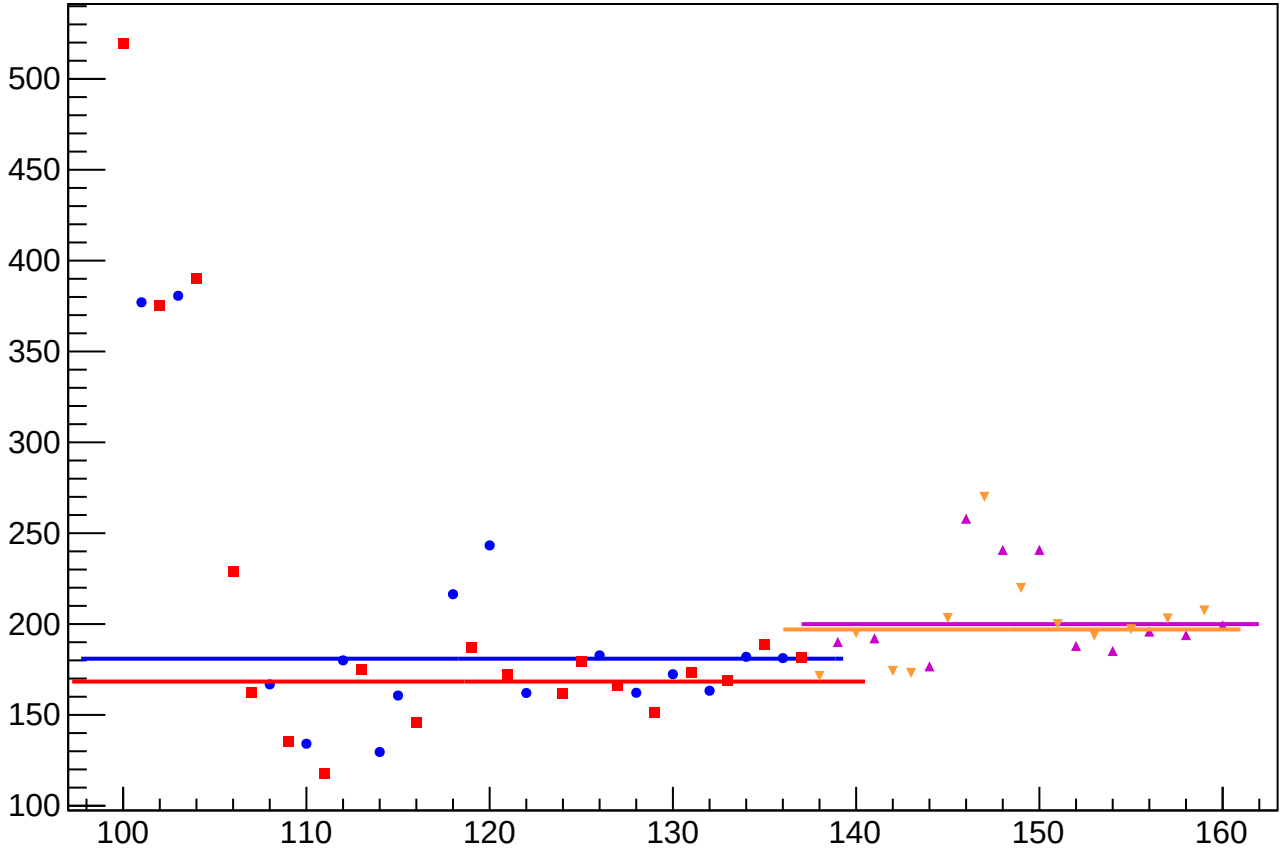
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149951.365+/-0.049 χ^2/NDF:11374651720.7/2

Out: 150698.247+/-0.047 χ^2/NDF:9981634482.0/3

All: 150342.327+/-0.034 χ^2/NDF: 21479043

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: 199.958+/-0.047 χ^2/NDF:244301.3/10

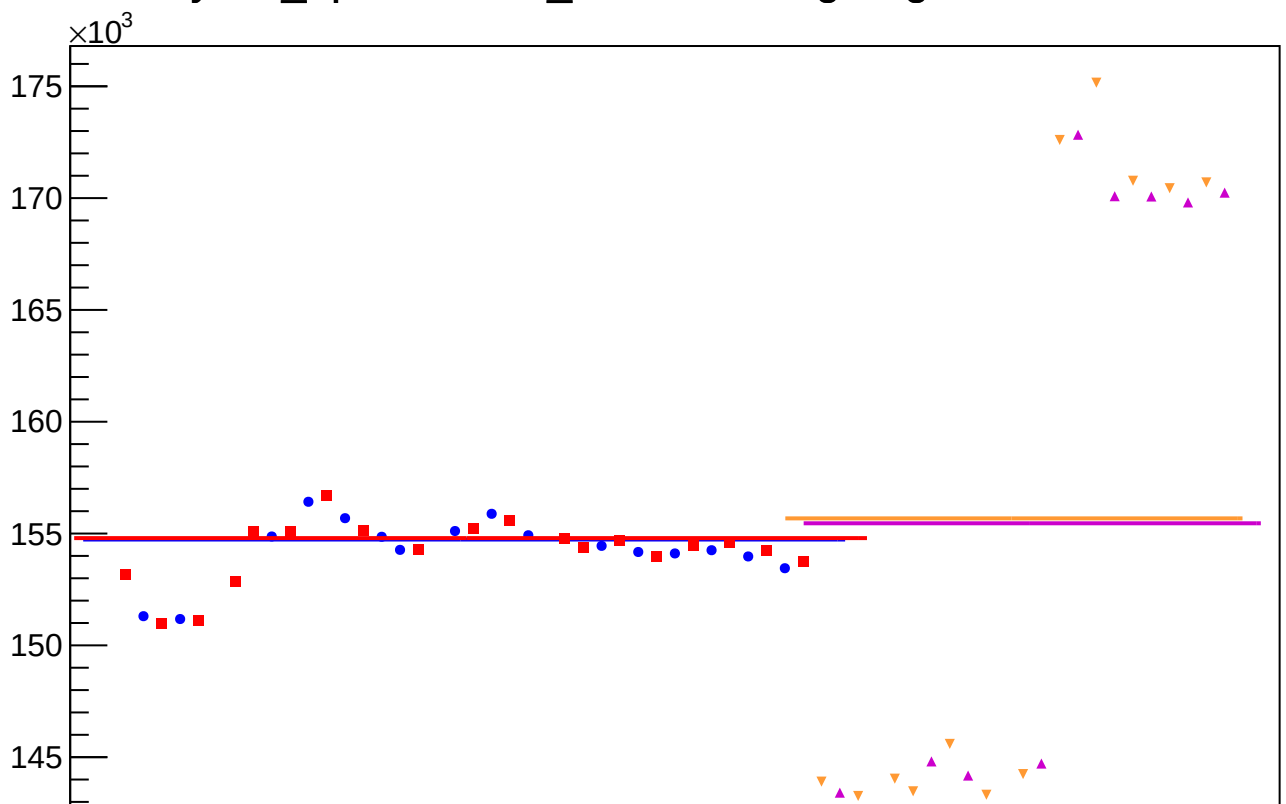
Left: 198.470+/-0.033 χ^2/NDF: 470551.7/22

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 191.378+/-0.034 χ^2/NDF:1227374.1/26

Out: 183.047+/-0.033 χ^2/NDF:1502984.7/30

All: 187.017+/-0.024 χ^2/NDF: 2760906.8/57



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: 155458.682+/-0.061 χ^2/NDF:49075776752.1/10

Left: 155570.625+/-0.043 χ^2/NDF: 103844481678.

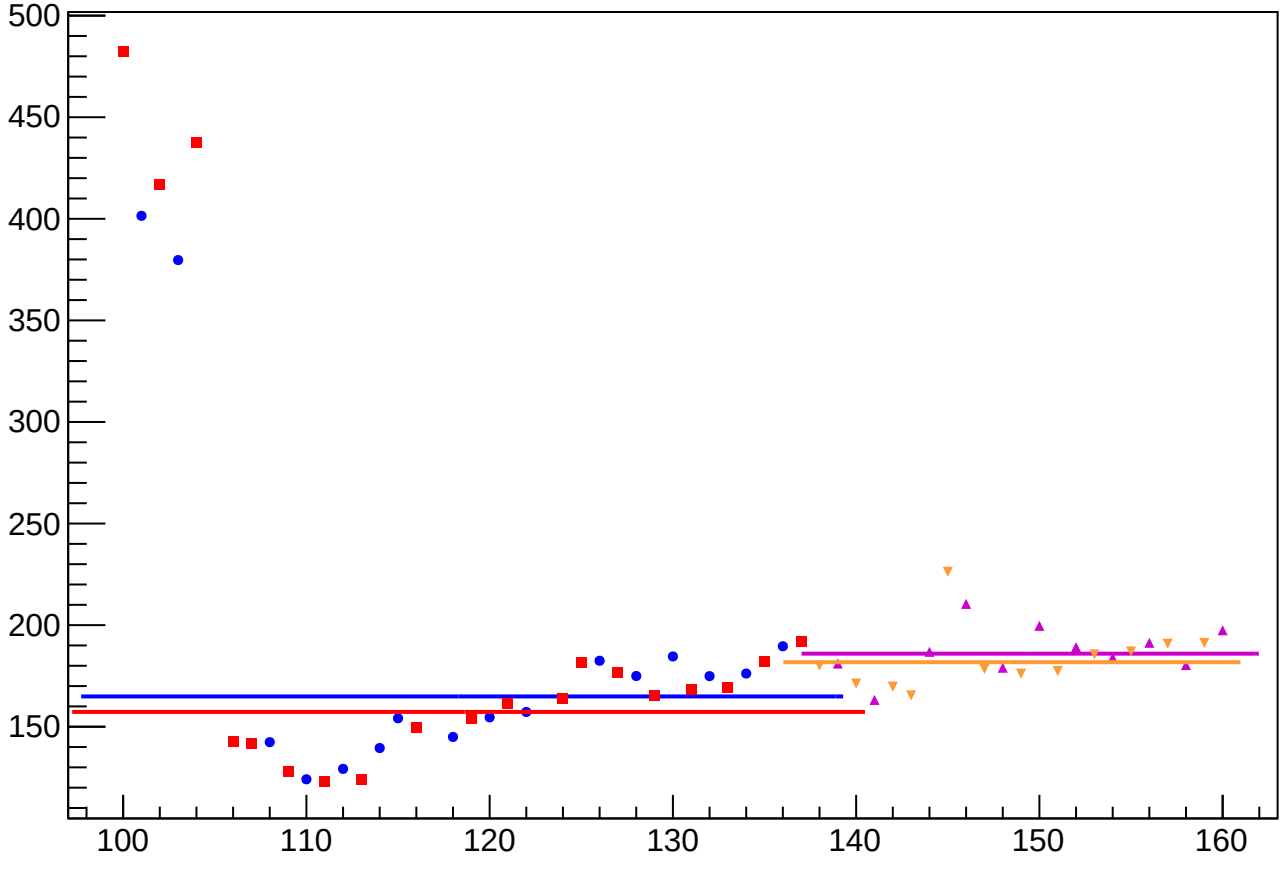
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 155121.483+/-0.044 χ^2/NDF:49416524982.2/2

Out: 155247.983+/-0.043 χ^2/NDF:55173148027.5

All: 155187.351+/-0.031 χ^2/NDF: 10459389

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: 185.964+/-0.043 χ^2/NDF:79116.1/10

Left: 183.816+/-0.030 χ^2/NDF: 185581.4/22

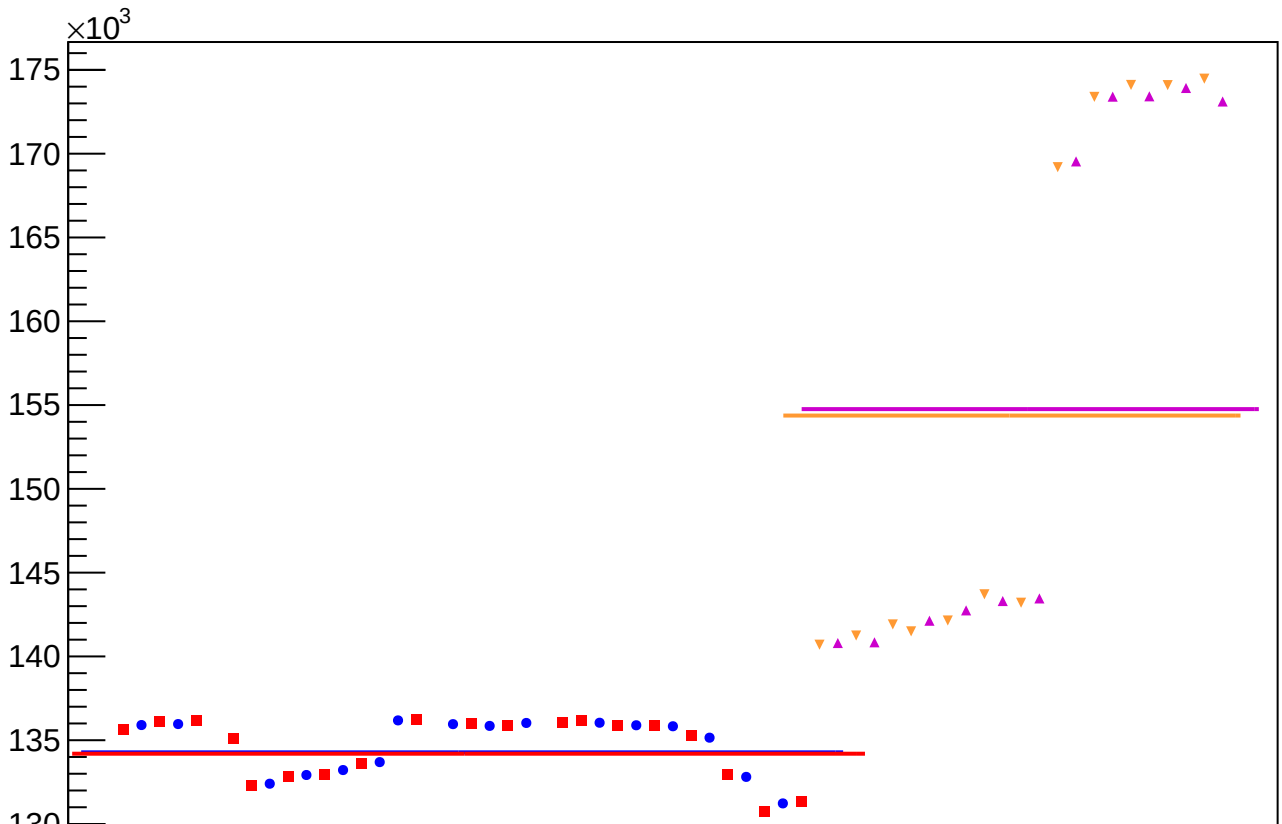
Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 176.177+/-0.031 χ^2/NDF:1263519.0/26

Out: 169.819+/-0.030 χ^2/NDF:1520900.2/30

All: 172.866+/-0.022 χ^2/NDF: 2805729.9/57

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 154373.703+/-0.060 χ^2/NDF:64596515131.8/11

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 154758.053+/-0.061 χ^2/NDF:60757886394.4/10

Left: 154560.975+/-0.043 χ^2/NDF: 125374625634.

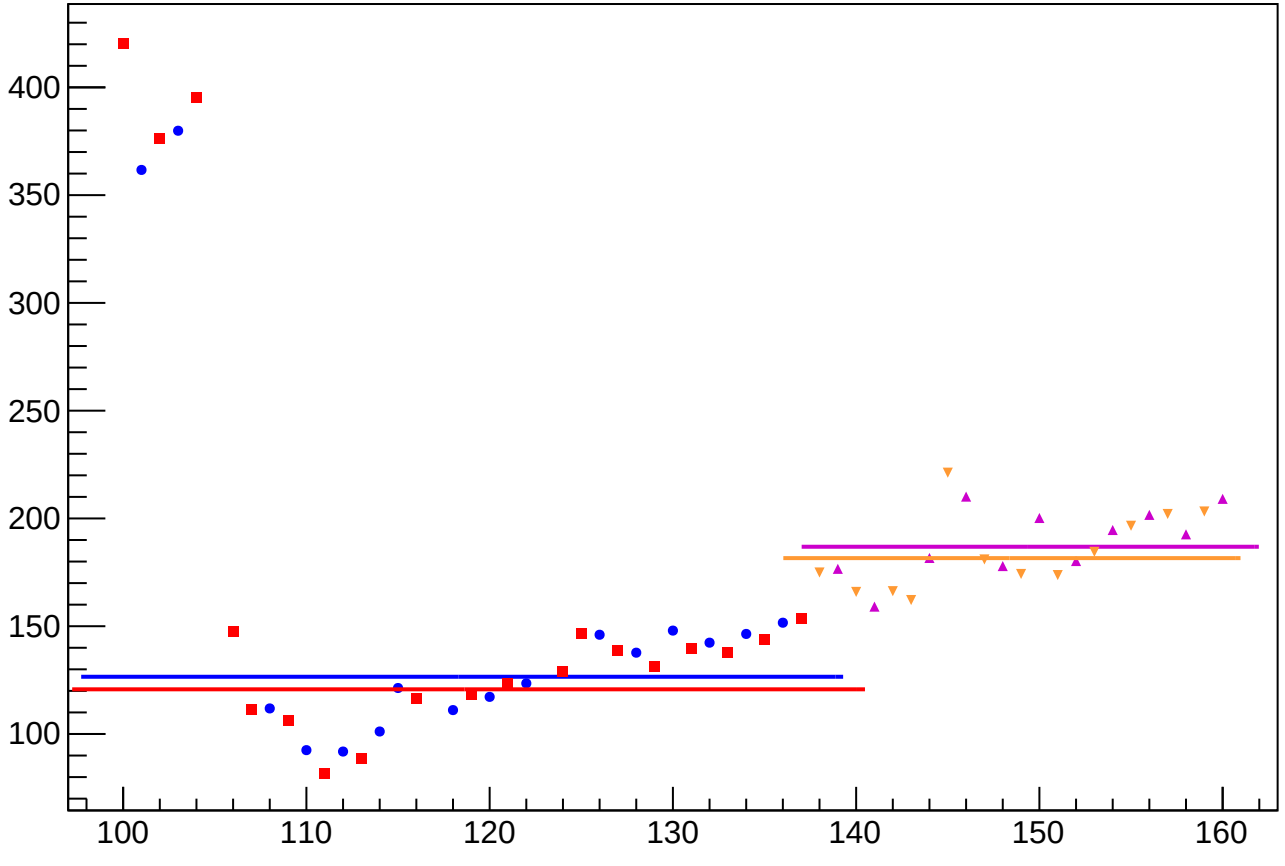
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 142636.453+/-0.039 χ^2/NDF:128188904462.0

Out: 142119.635+/-0.037 χ^2/NDF:135278338667.

All: 142366.467+/-0.027 χ^2/NDF: 263558513

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: 186.872+/-0.043 χ^2/NDF:127560.9/10

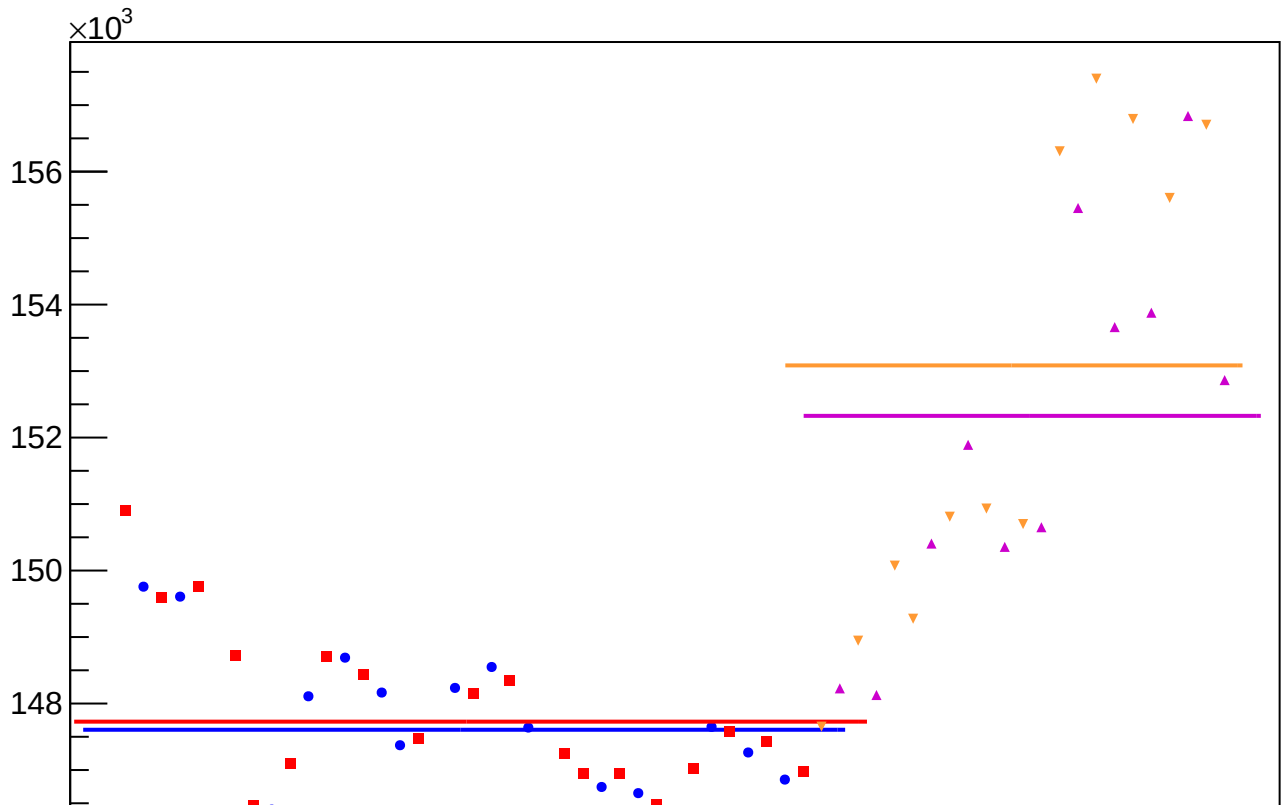
Left: 184.166+/-0.030 χ^2/NDF: 285687.2/22

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 151.173+/-0.028 χ^2/NDF:2754885.2/26

Out: 144.628+/-0.026 χ^2/NDF:3047700.4/30

All: 147.754+/-0.019 χ^2/NDF: 5831859.1/57



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: 152326.556+/-0.068 χ^2/NDF:1708498939.9/10

Left: 152710.149+/-0.048 χ^2/NDF: 4678871515.2/2

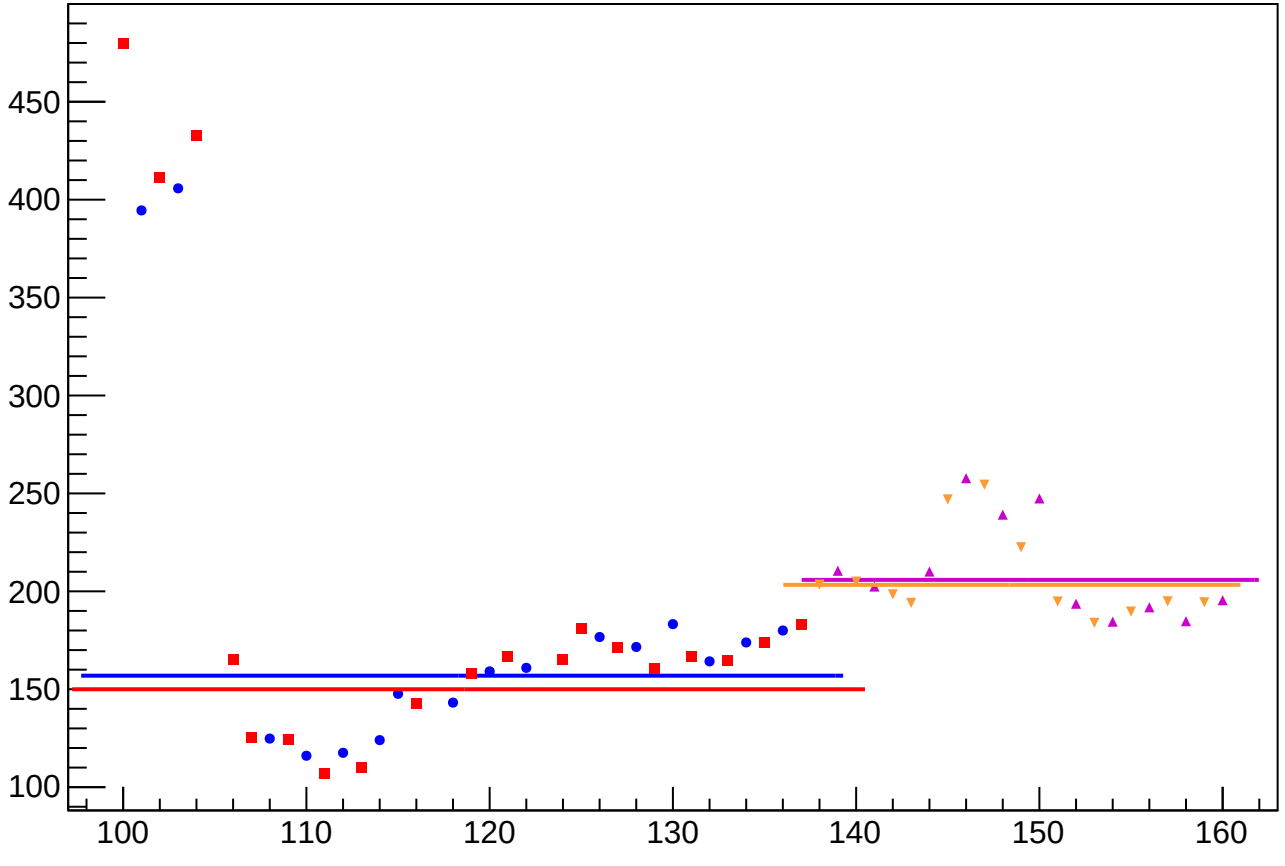
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149781.667+/-0.046 χ^2/NDF:4541103734.2/26

Out: 150071.678+/-0.044 χ^2/NDF:6717587678.7/3

All: 149932.048+/-0.032 χ^2/NDF: 11279419

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: 205.848+/-0.048 χ^2/NDF:221399.0/10

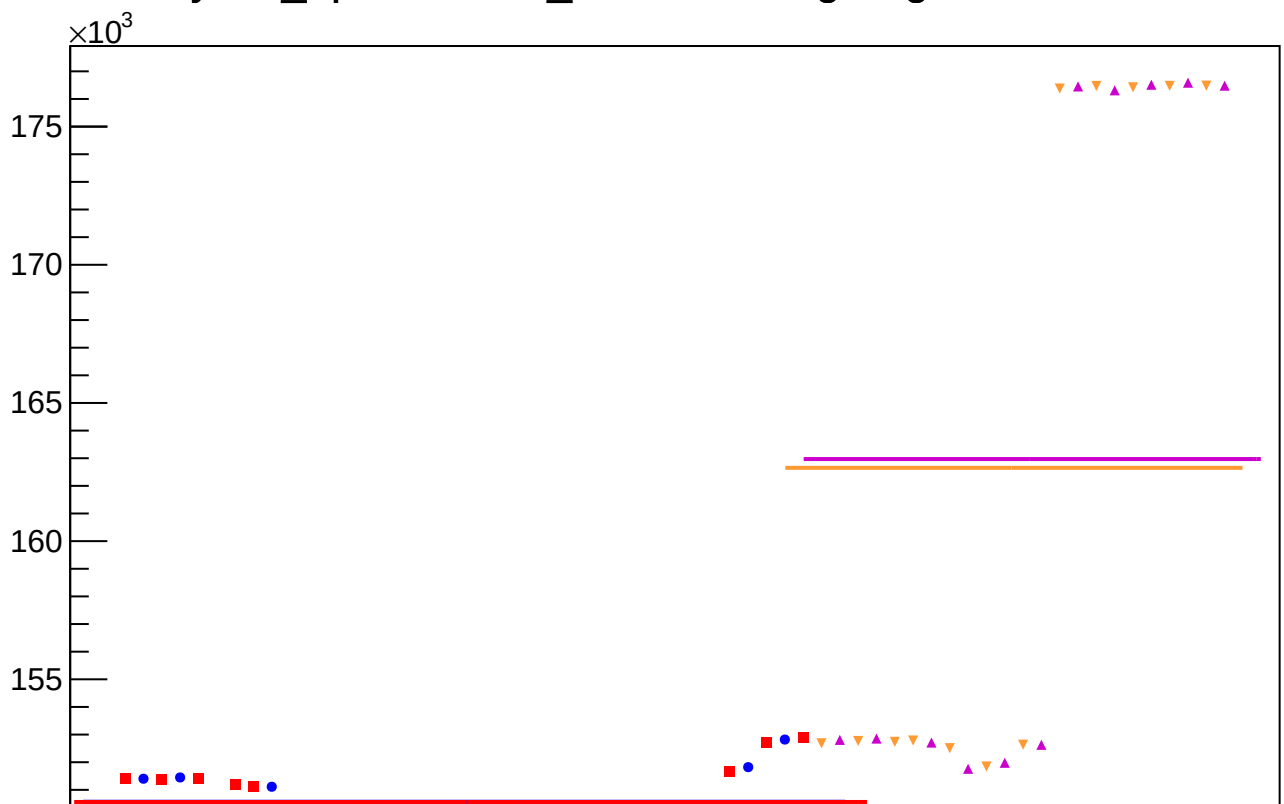
Left: 204.570+/-0.034 χ^2/NDF: 391875.1/22

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 179.477+/-0.032 χ^2/NDF:2052445.3/26

Out: 173.324+/-0.031 χ^2/NDF:2339419.8/30

All: 176.286+/-0.023 χ^2/NDF: 4410522.3/57



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: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

Left: 162807.577+/-0.042 χ^2/NDF: 80659701917.6

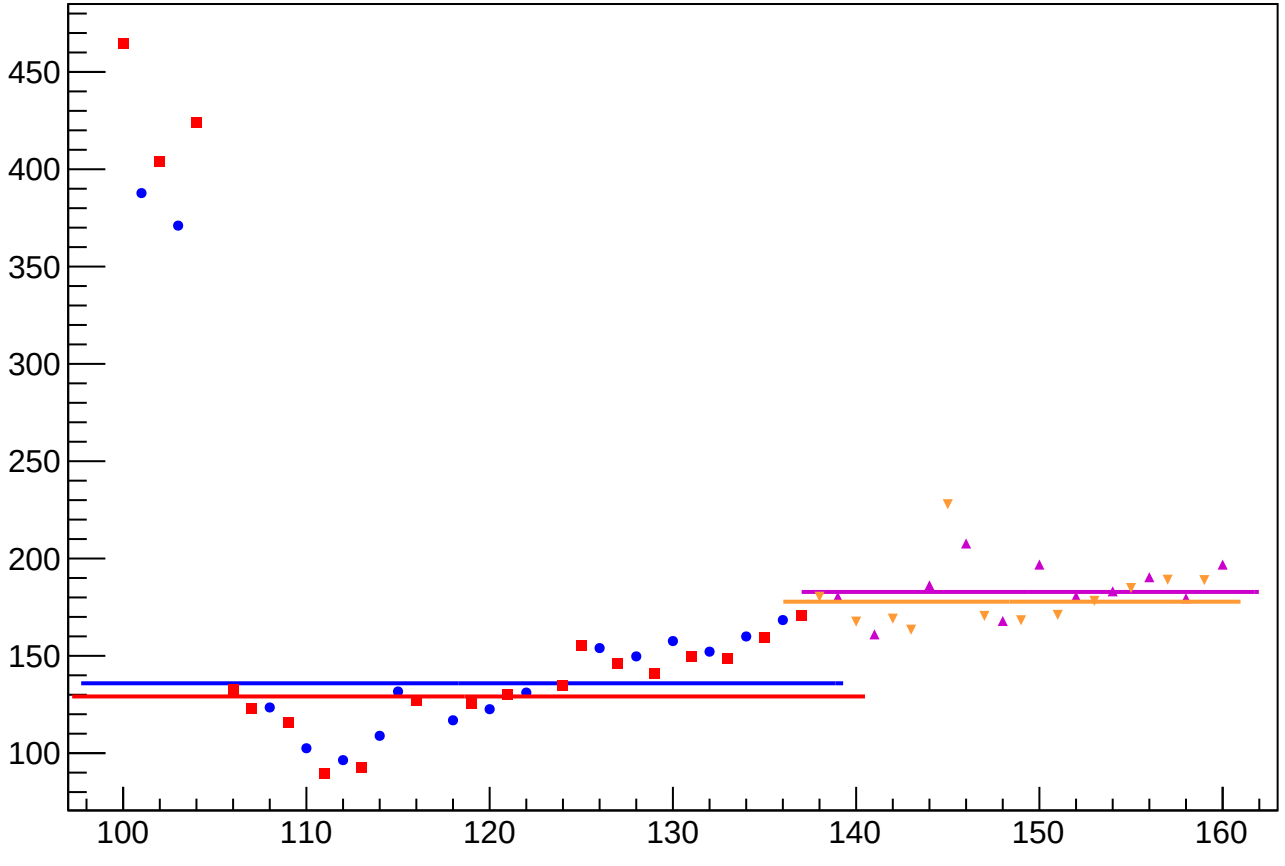
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 156211.145+/-0.040 χ^2/NDF:63337446104.5/2

Out: 155803.286+/-0.038 χ^2/NDF:65590311710.8

All: 155997.140+/-0.028 χ^2/NDF: 12898145

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: 182.829+/-0.042 χ^2/NDF:91904.6/10

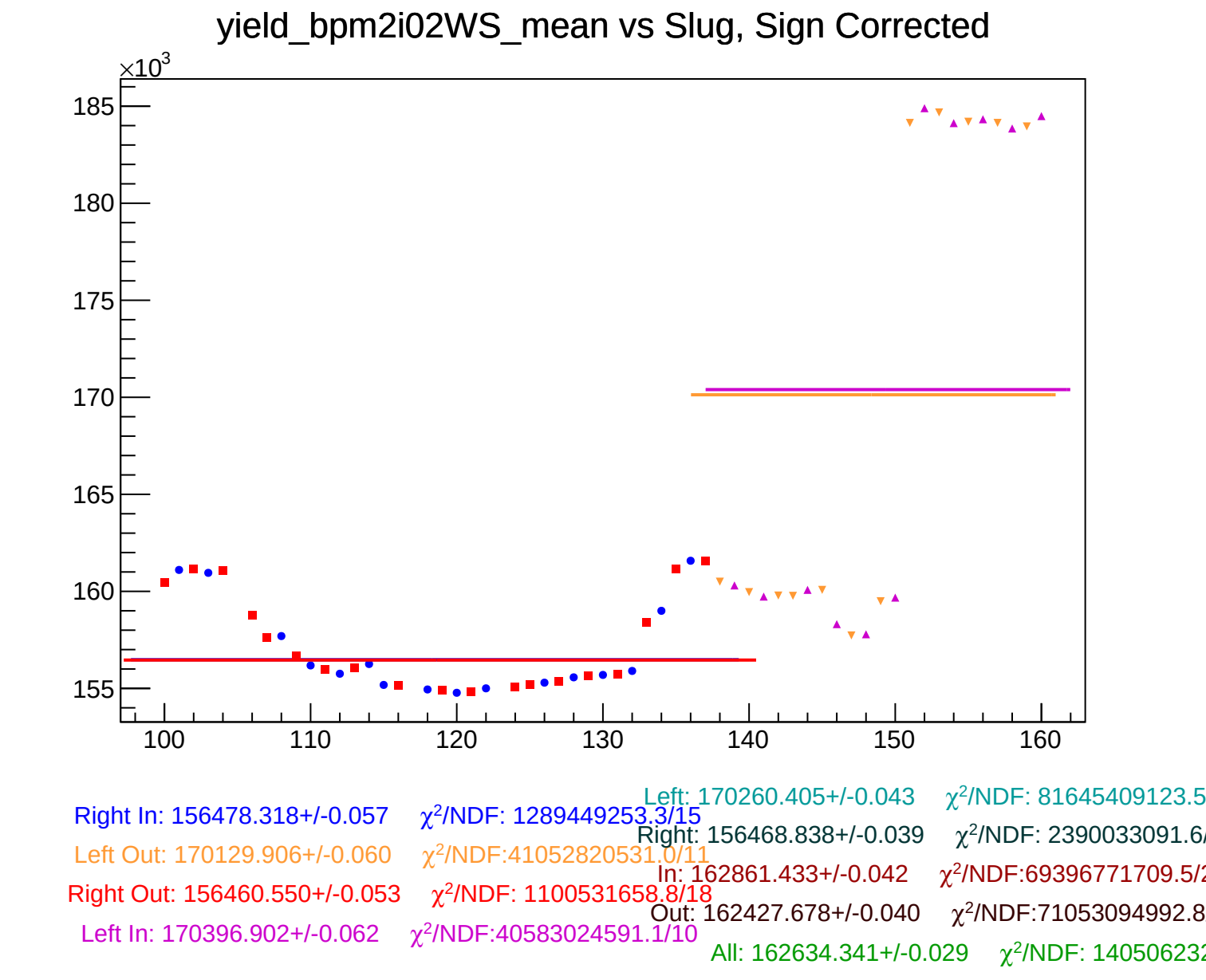
Left: 180.260+/-0.030 χ^2/NDF: 222911.4/22

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

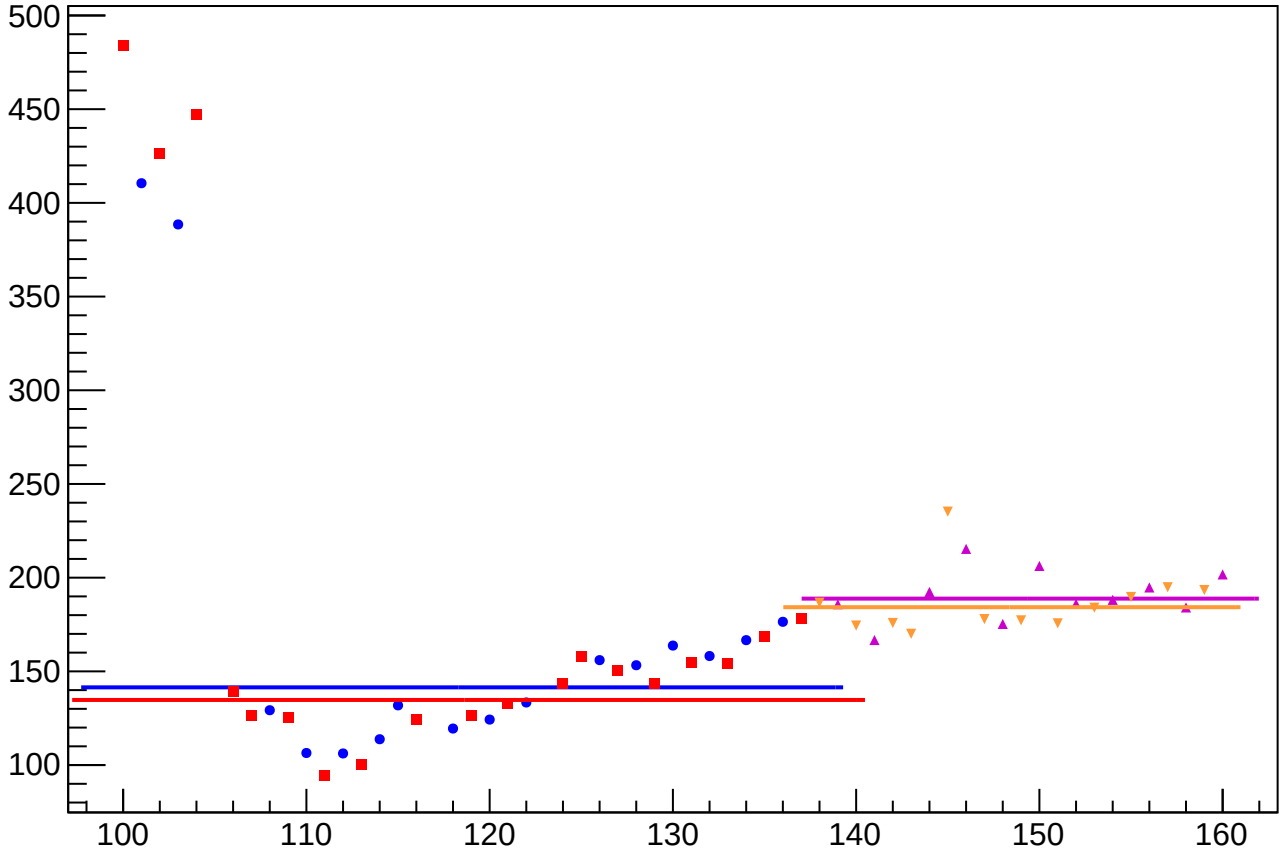
In: 157.249+/-0.029 χ^2/NDF:2180304.0/26

Out: 150.237+/-0.027 χ^2/NDF:2528832.6/30

All: 153.570+/-0.020 χ^2/NDF: 4740884.3/57


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 170129.906+/-0.060 χ²/NDF:41052820531.0/11
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 170396.902+/-0.062 χ²/NDF:40583024591.1/10
Left: 170260.405+/-0.043 χ²/NDF: 81645409123.5
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6
In: 162861.433+/-0.042 χ²/NDF:69396771709.5/2
Out: 162427.678+/-0.040 χ²/NDF:71053094992.8
All: 162634.341+/-0.029 χ²/NDF: 14050623

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: 188.822+/-0.044 χ^2/NDF:90584.5/10

Left: 186.478+/-0.031 χ^2/NDF: 209175.4/22

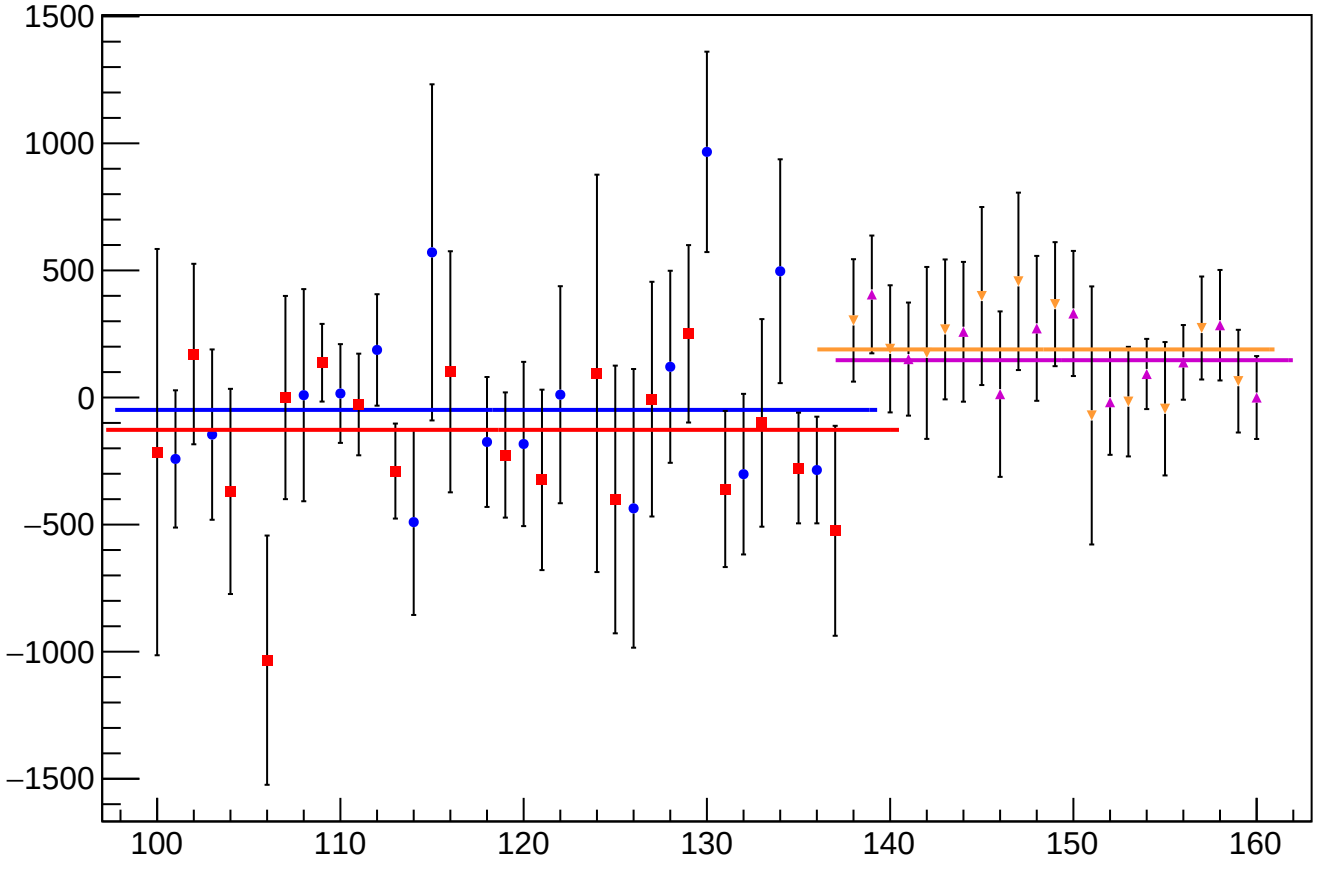
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 163.186+/-0.030 χ^2/NDF:2119640.8/26

Out: 156.351+/-0.028 χ^2/NDF:2449684.2/30

All: 159.607+/-0.020 χ^2/NDF: 4597318.1/57

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: 146.804+/-60.735 χ^2/NDF:4.3/10

Left: 163.557+/-47.234 χ^2/NDF: 8.8/22

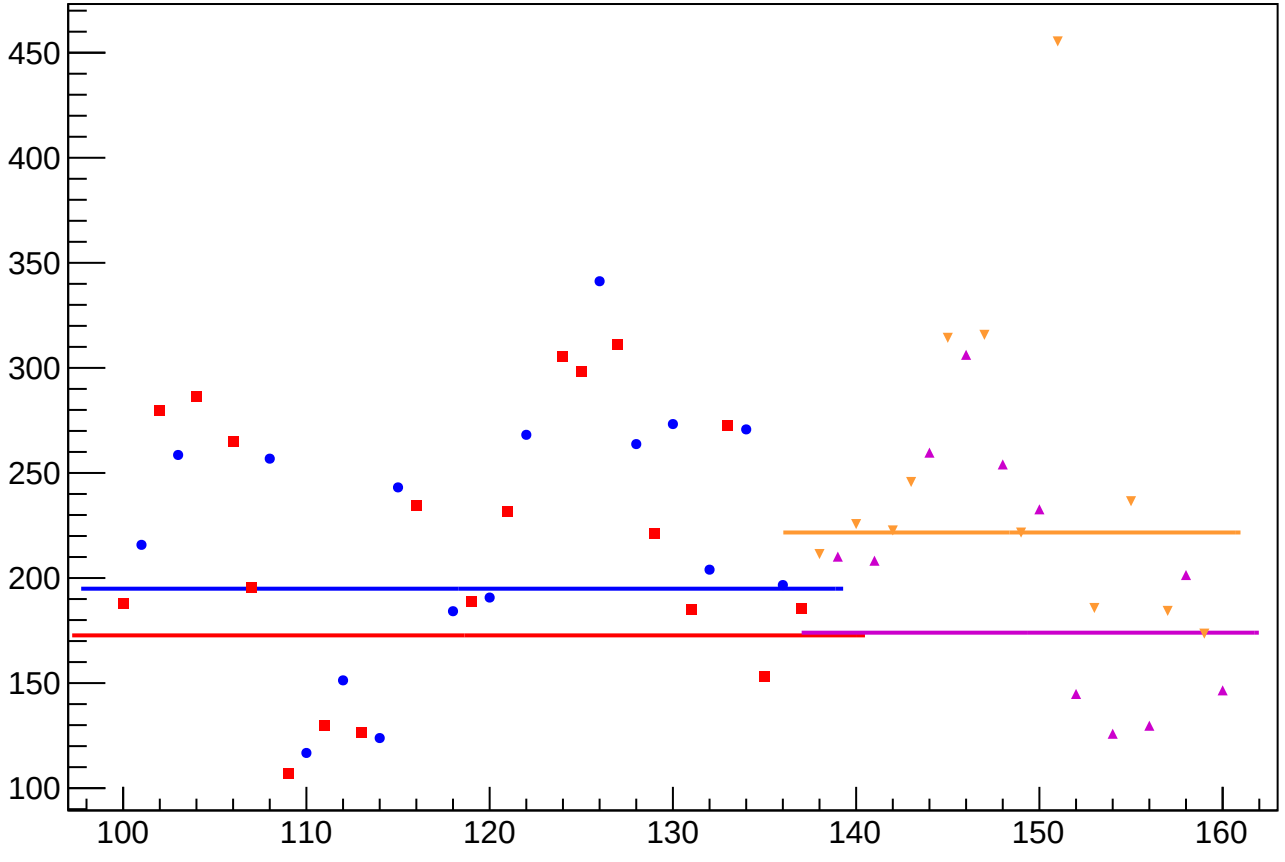
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.310+/-47.589 χ^2/NDF:23.8/26

Out: 16.392+/-50.624 χ^2/NDF:26.8/30

All: 45.547+/-34.674 χ^2/NDF: 51.2/57

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: 173.991+/-0.043 χ^2/NDF:1444201.8/10

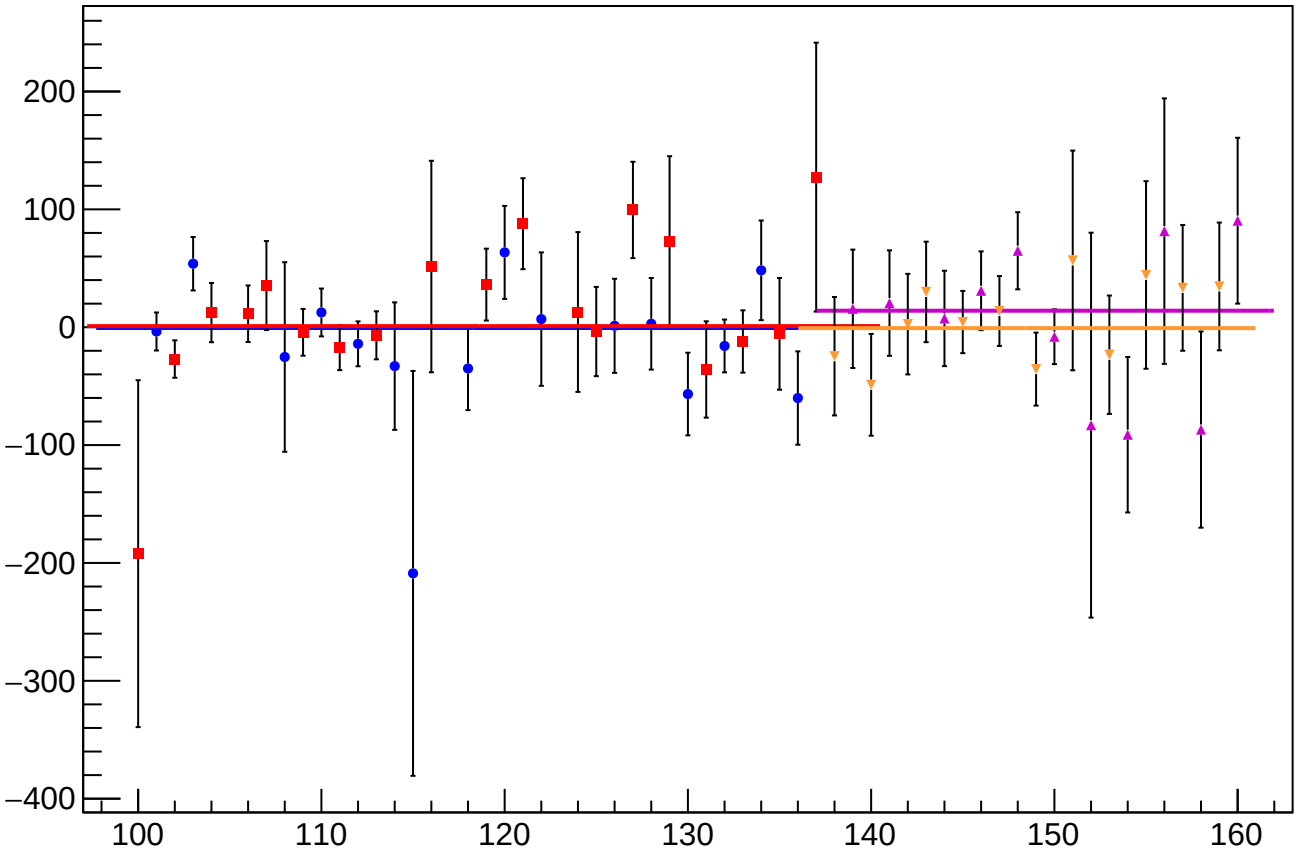
Left: 192.833+/-0.033 χ^2/NDF: 2903137.2/22

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.072+/-0.034 χ^2/NDF:2564810.0/26

Out: 194.932+/-0.036 χ^2/NDF:3067031.0/30

All: 188.105+/-0.025 χ^2/NDF: 5700358.0/57



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: 14.017+/-13.043 χ^2/NDF:9.5/10

Left: 5.977+/-8.809 χ^2/NDF: 15.5/22

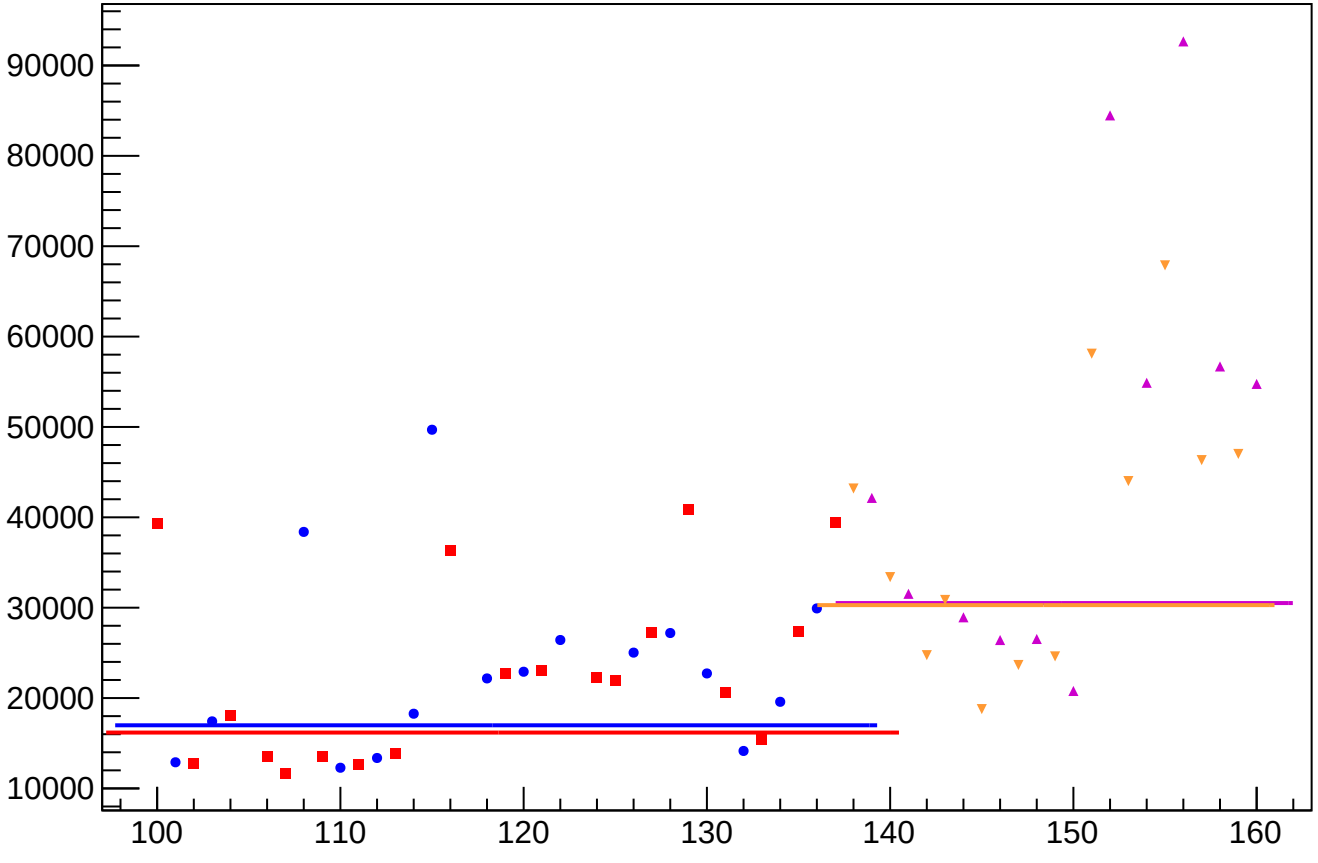
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.898+/-6.397 χ^2/NDF:29.4/26

Out: 0.523+/-5.888 χ^2/NDF:28.3/30

All: 1.612+/-4.332 χ^2/NDF: 57.8/57

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 30283.943+/-8.447 χ^2/NDF:1868336.5/11

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 30512.471+/-9.223 χ^2/NDF:2056833.8/10

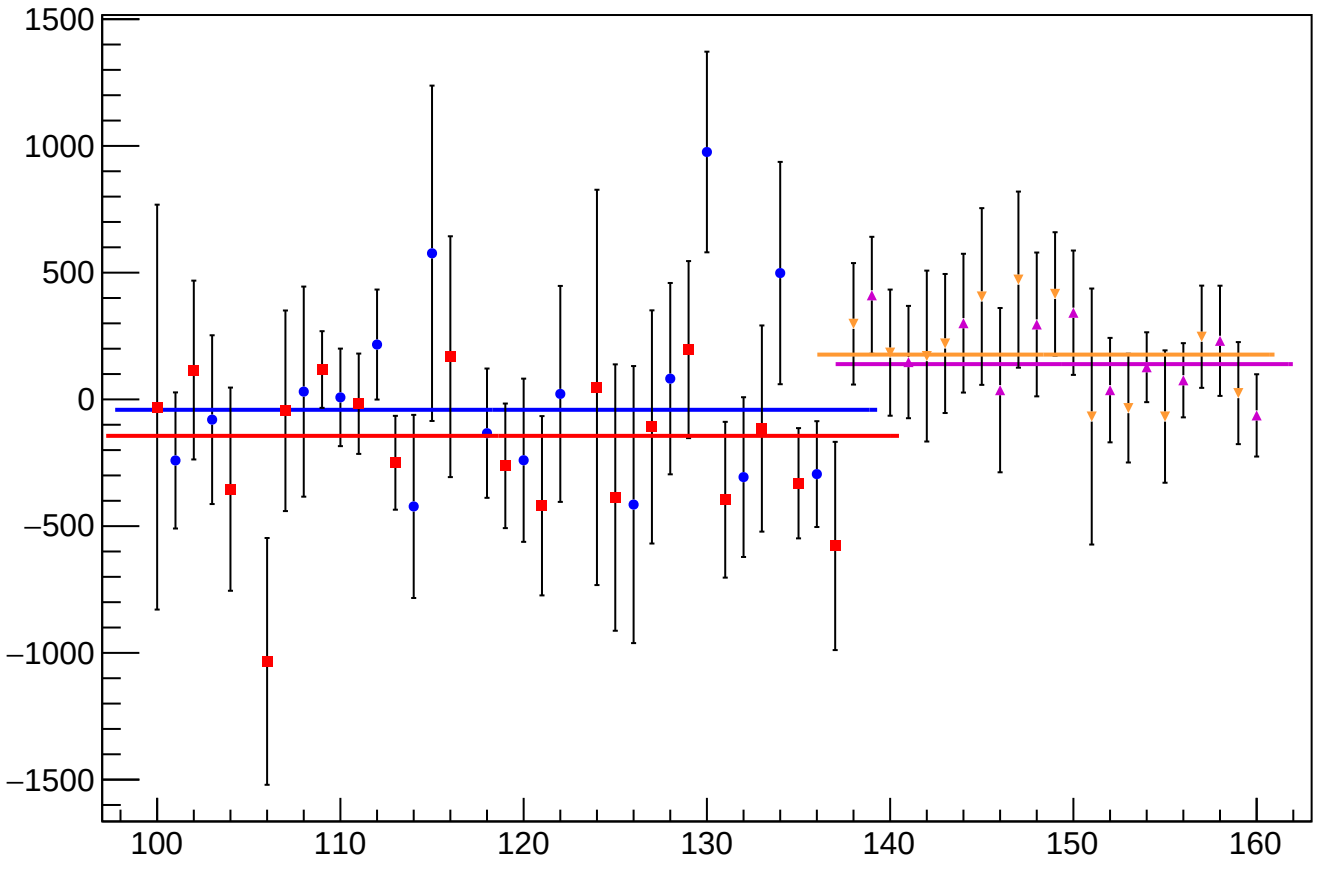
Left: 30388.189+/-6.229 χ^2/NDF: 3925504.1/22

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 20239.711+/-4.523 χ^2/NDF:4884363.8/26

Out: 19607.821+/-4.163 χ^2/NDF:5229867.2/30

All: 19897.631+/-3.063 χ^2/NDF: 10124795.6



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: 139.173+/-60.518 χ^2/NDF:5.0/10

Left: 154.039+/-47.052 χ^2/NDF: 10.3/22

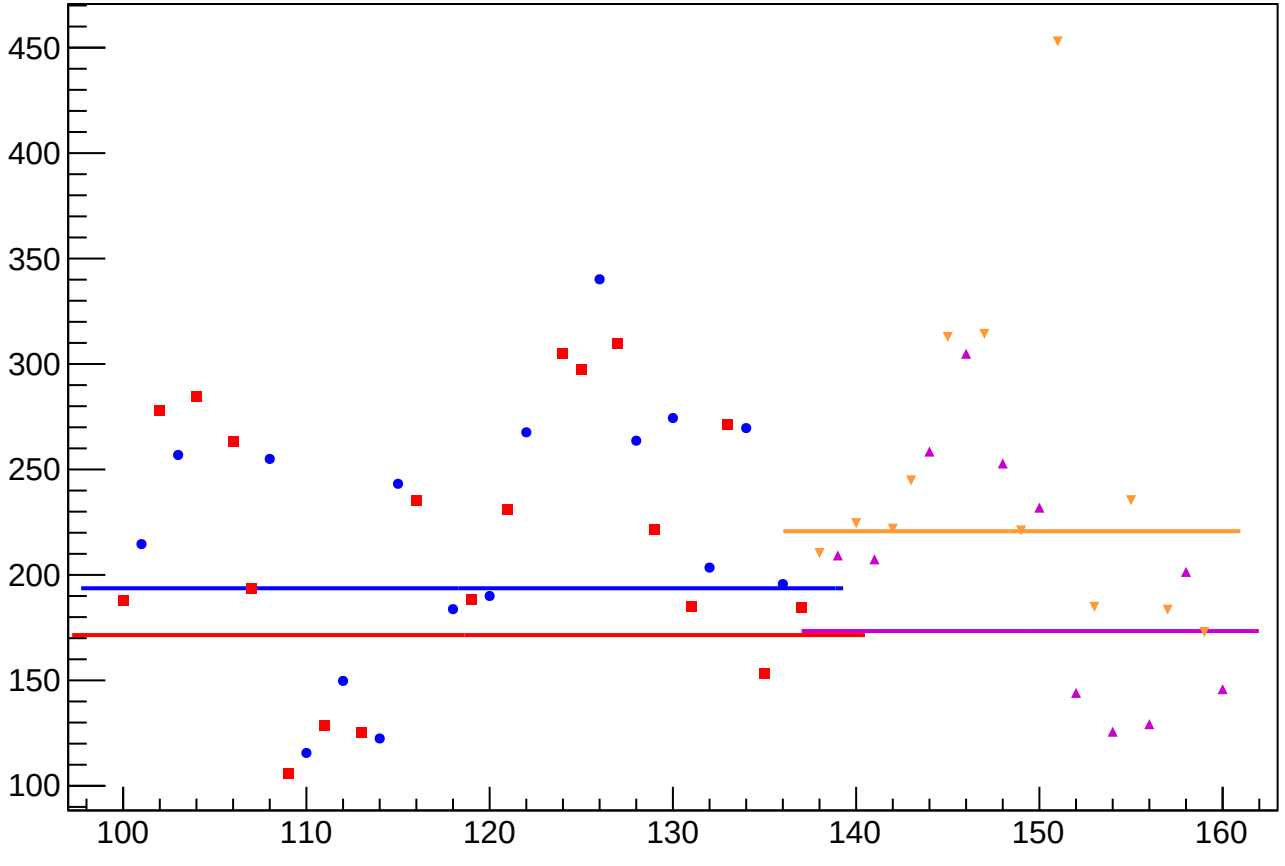
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 69.418+/-47.380 χ^2/NDF:23.9/26

Out: 1.389+/-50.354 χ^2/NDF:28.2/30

All: 37.471+/-34.506 χ^2/NDF: 53.1/57

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: 173.390+/-0.043 χ^2/NDF:1441813.9/10

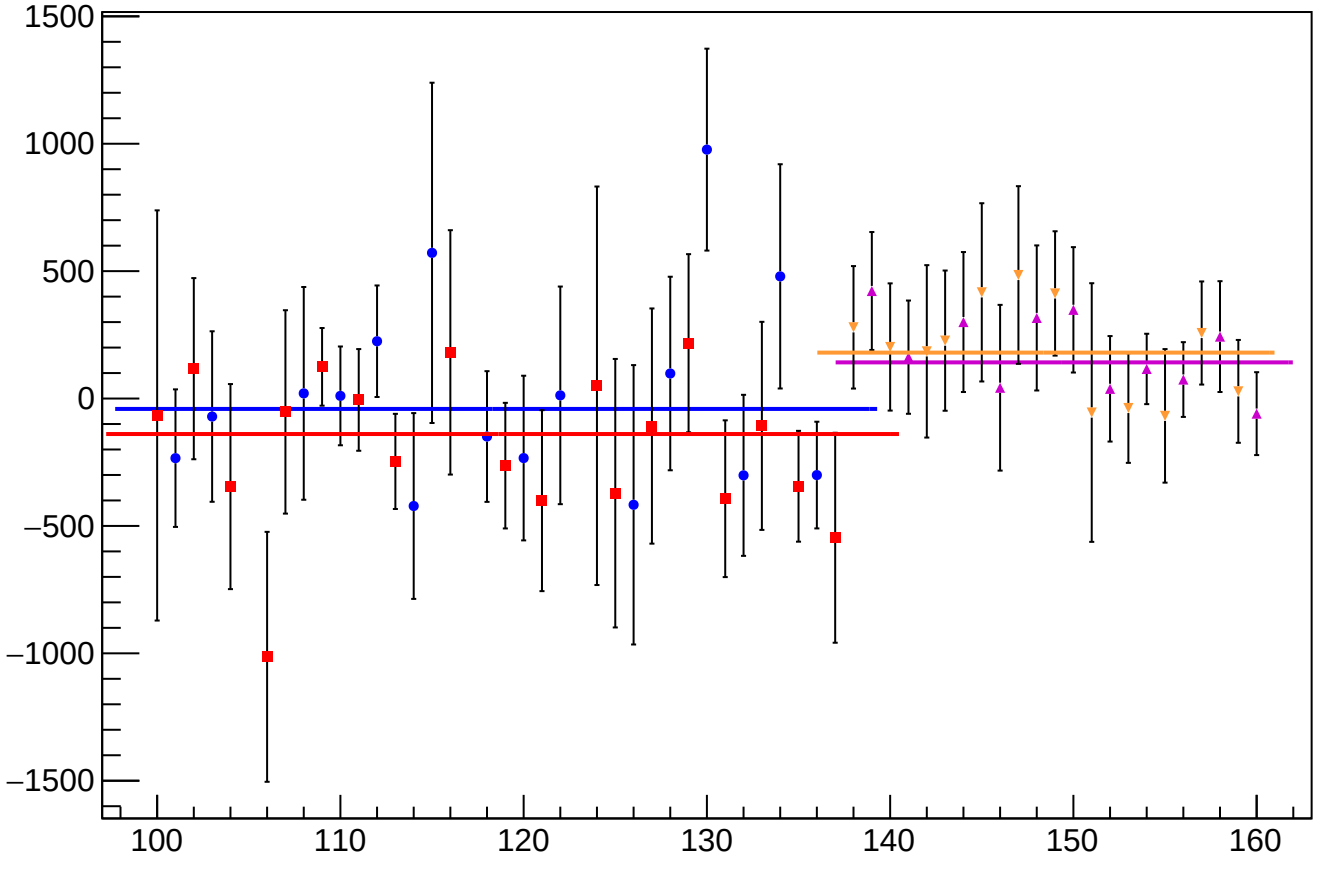
Left: 192.116+/-0.033 χ^2/NDF: 2896368.6/22

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 181.240+/-0.034 χ^2/NDF:2578520.6/26

Out: 193.793+/-0.036 χ^2/NDF:3097518.1/30

All: 187.135+/-0.024 χ^2/NDF: 5741970.7/57



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: 141.895+/-60.674 χ^2/NDF:5.2/10

Left: 157.052+/-47.187 χ^2/NDF: 10.6/22

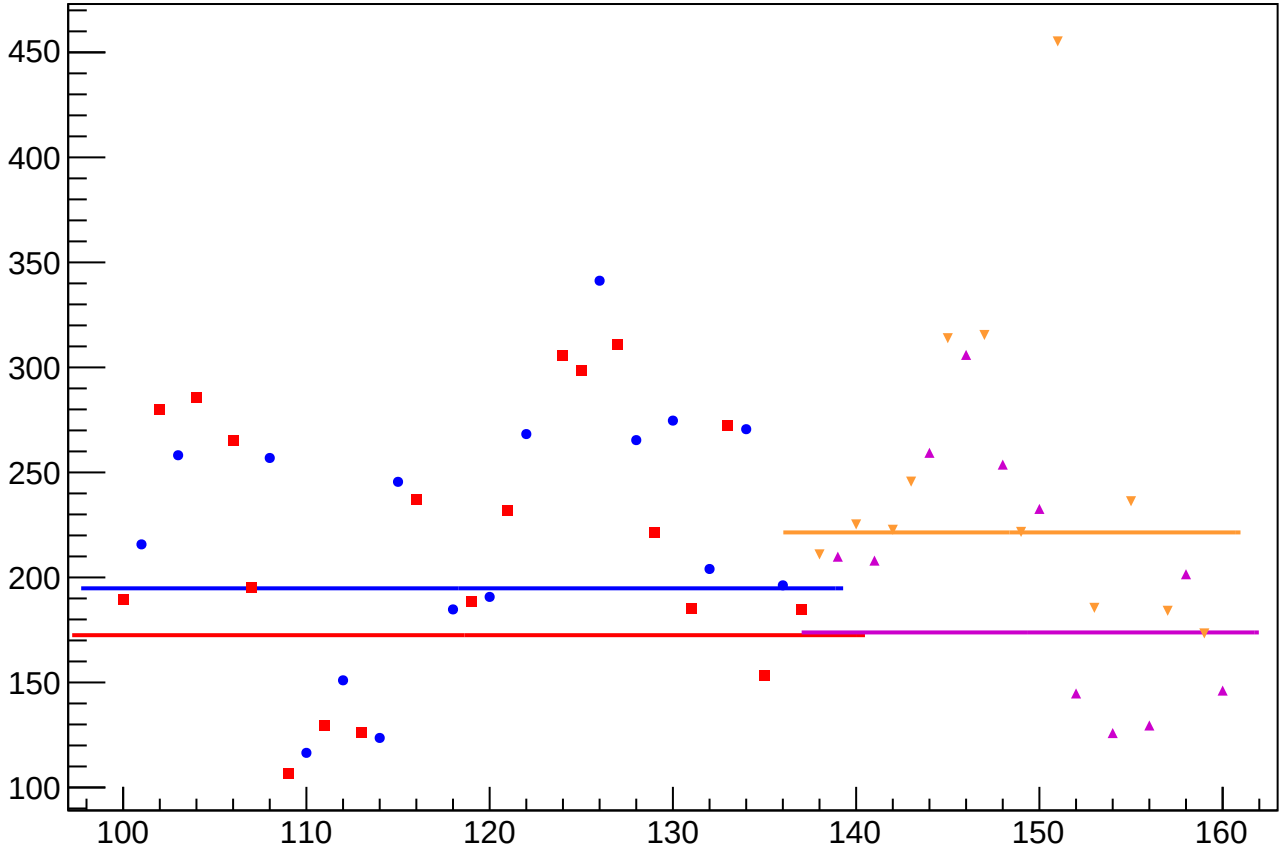
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 71.438+/-47.557 χ^2/NDF:24.1/26

Out: 5.809+/-50.582 χ^2/NDF:28.0/30

All: 40.645+/-34.648 χ^2/NDF: 53.0/57

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: 173.814+/-0.043 χ^2/NDF:1444653.1/10

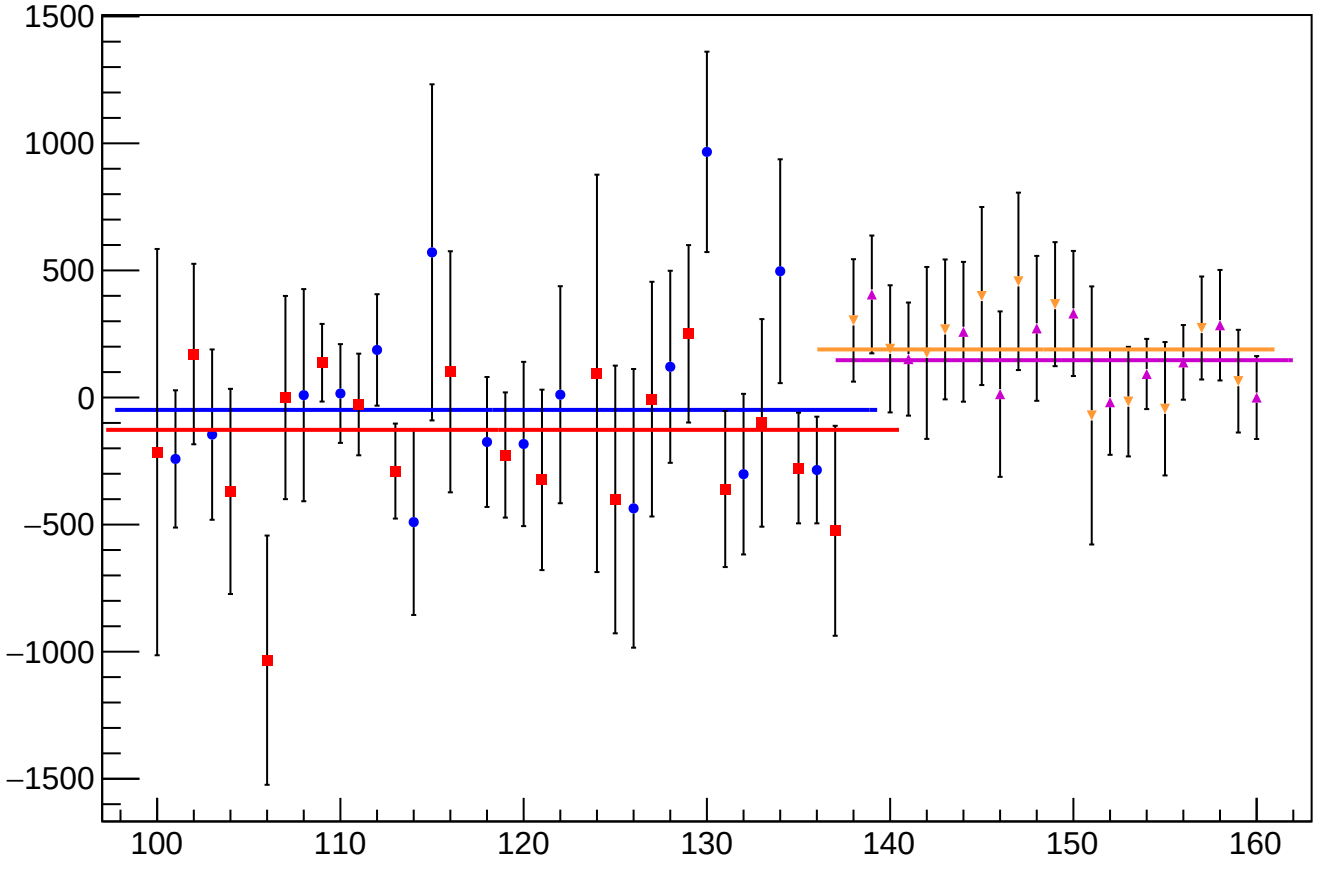
Left: 192.633+/-0.033 χ^2/NDF: 2904338.4/22

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 181.915+/-0.034 χ^2/NDF:2576198.5/26

Out: 194.725+/-0.036 χ^2/NDF:3078772.2/30

All: 187.925+/-0.024 χ^2/NDF: 5723058.6/57



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: 146.804+/-60.735 χ^2/NDF:4.3/10

Left: 163.557+/-47.234 χ^2/NDF: 8.8/22

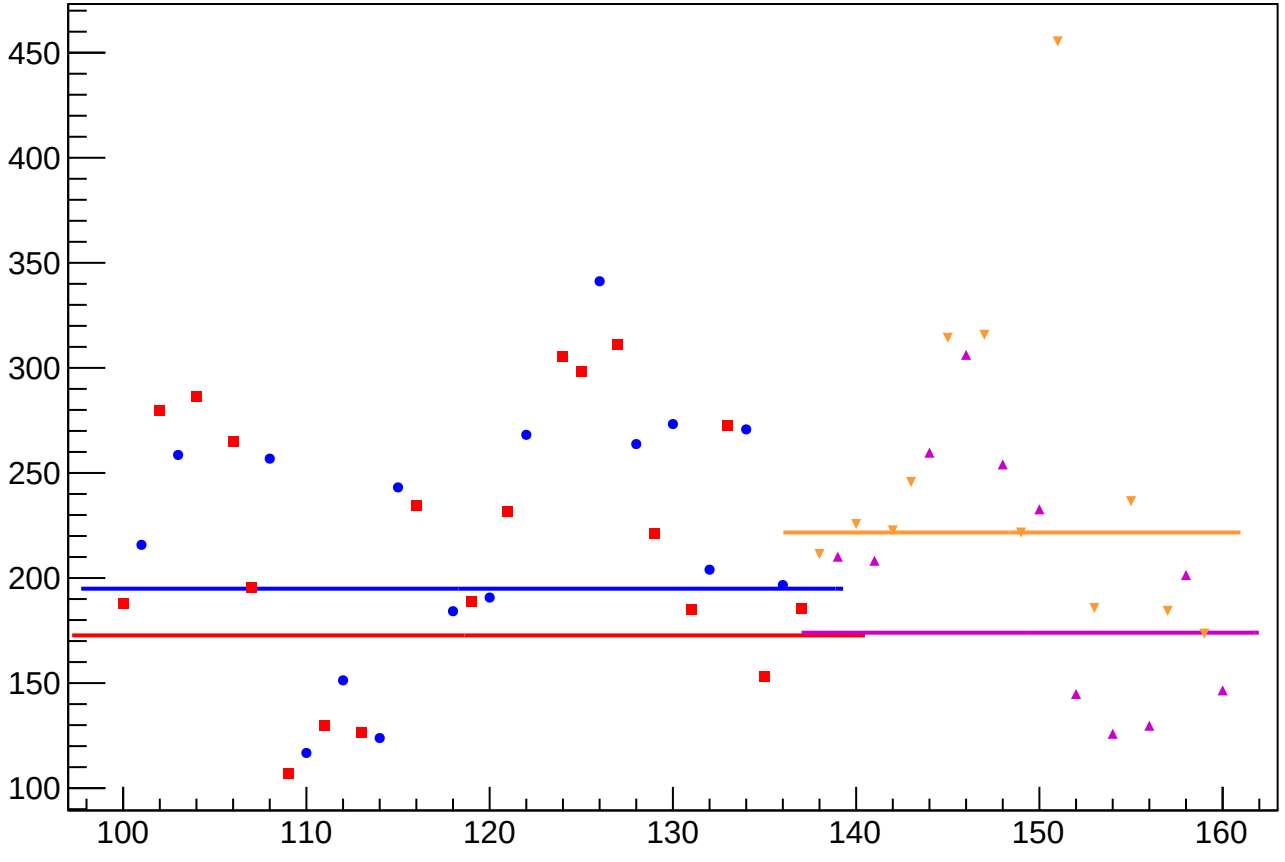
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.310+/-47.589 χ^2/NDF:23.8/26

Out: 16.392+/-50.624 χ^2/NDF:26.8/30

All: 45.547+/-34.674 χ^2/NDF: 51.2/57

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: 173.991+/-0.043 χ^2/NDF:1444201.8/10

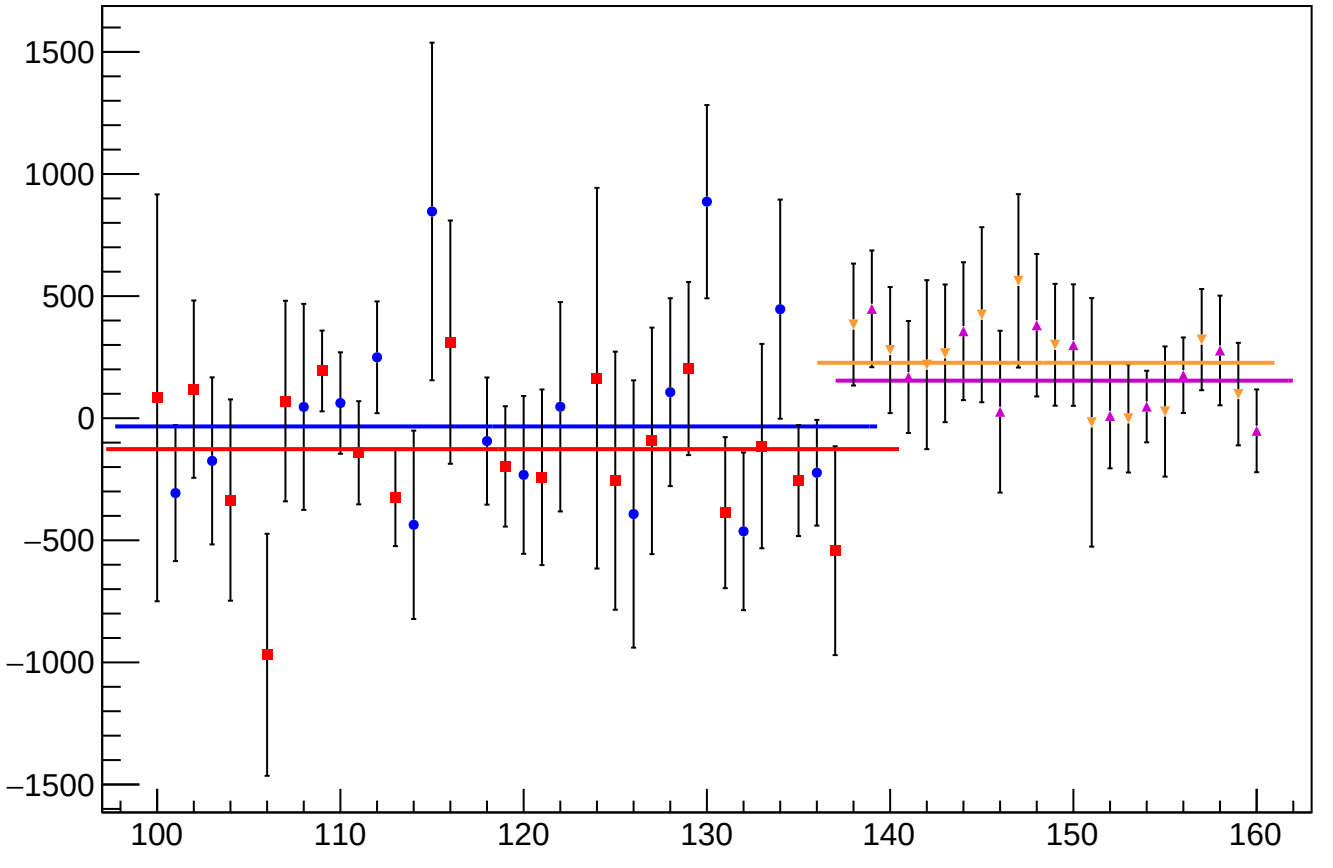
Left: 192.833+/-0.033 χ^2/NDF: 2903137.2/22

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.072+/-0.034 χ^2/NDF:2564810.0/26

Out: 194.932+/-0.036 χ^2/NDF:3067031.0/30

All: 188.105+/-0.025 χ^2/NDF: 5700358.0/57



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: 153.805+/-63.153 χ^2/NDF:5.9/10

Left: 183.190+/-48.865 χ^2/NDF: 10.6/22

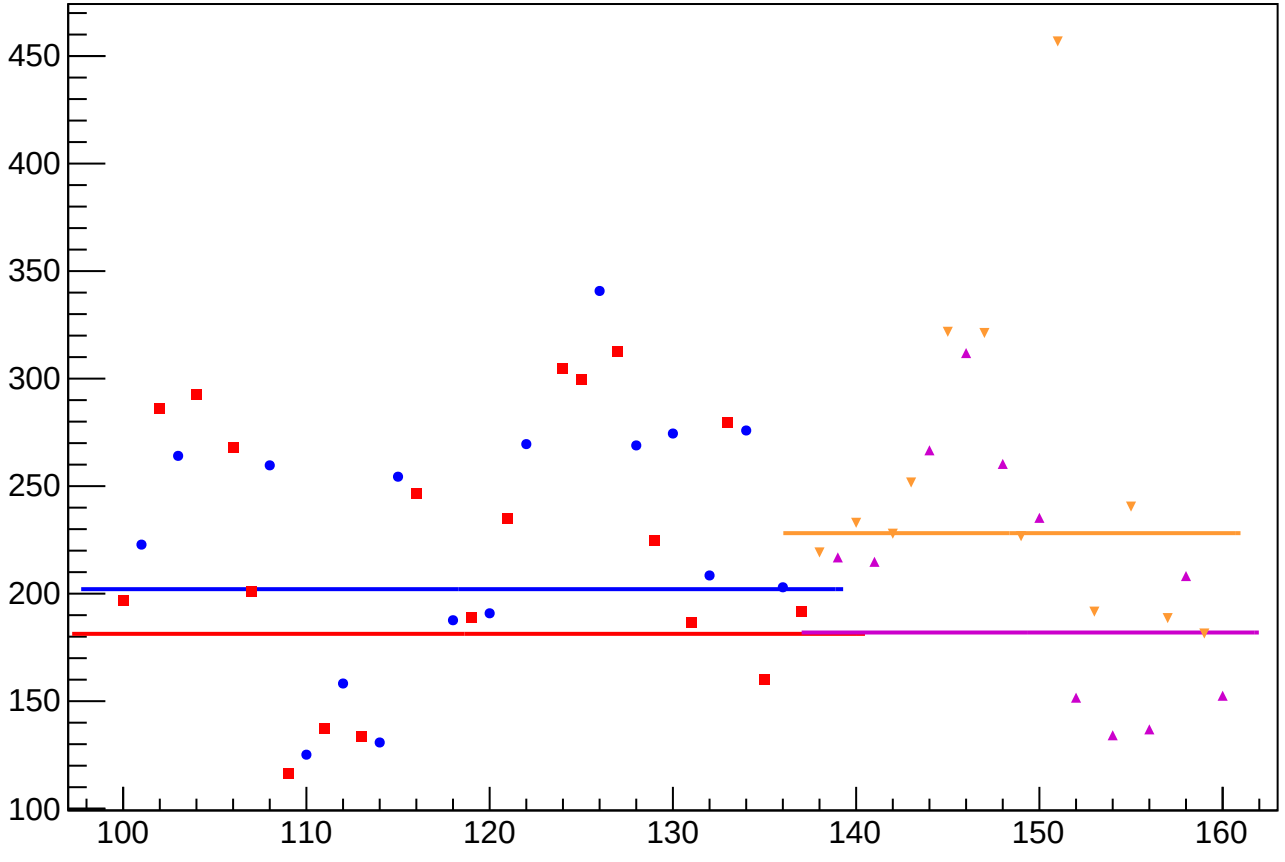
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 80.682+/-49.327 χ^2/NDF:25.1/26

Out: 36.372+/-52.362 χ^2/NDF:28.2/30

All: 59.848+/-35.905 χ^2/NDF: 53.6/57

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: 181.932+/-0.045 χ^2/NDF:1317426.9/10

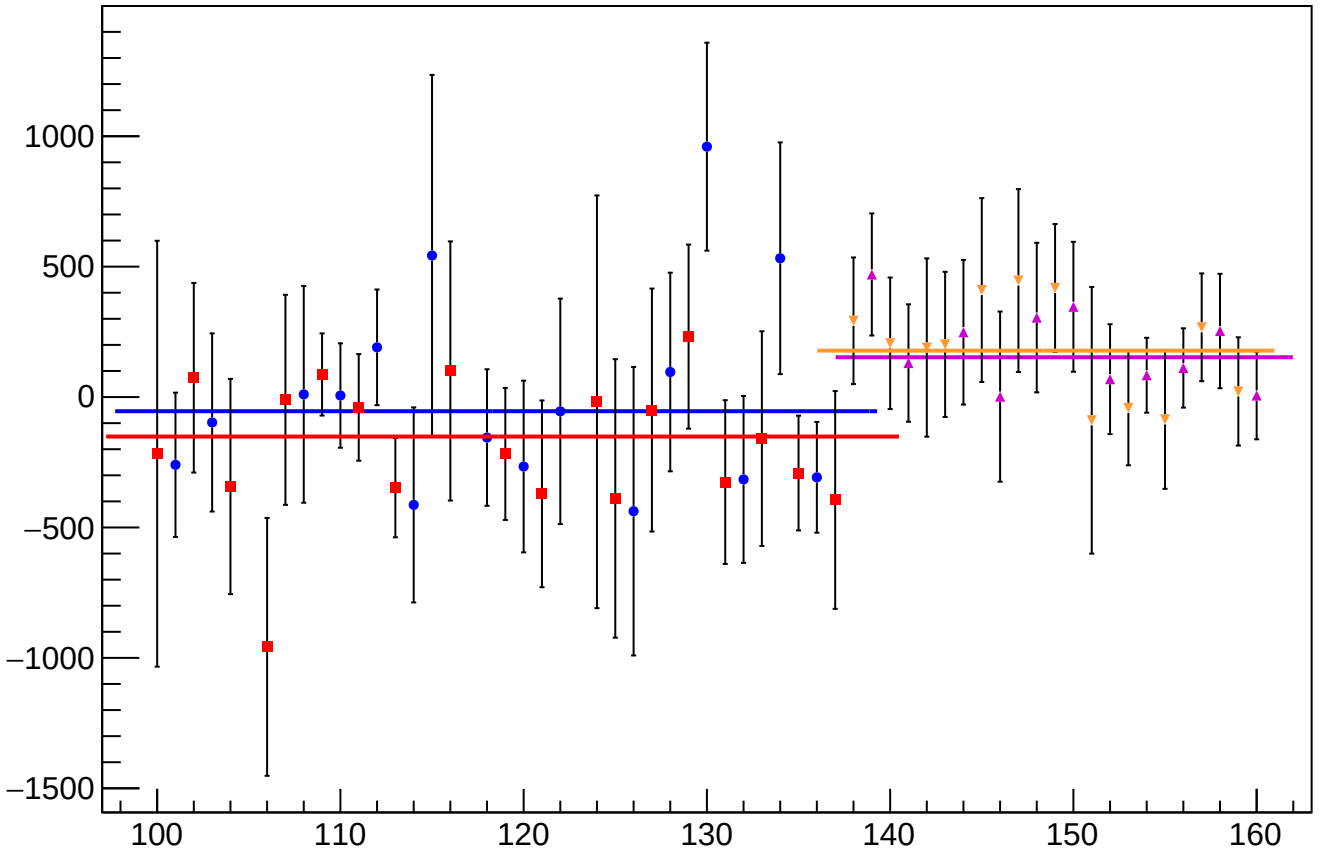
Left: 200.474+/-0.035 χ^2/NDF: 2672154.5/22

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 189.792+/-0.035 χ^2/NDF:2307139.7/26

Out: 202.889+/-0.037 χ^2/NDF:2763468.6/30

All: 195.950+/-0.025 χ^2/NDF: 5136903.2/57



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: 152.723+/-62.106 χ^2/NDF:4.5/10

Left: 162.858+/-48.140 χ^2/NDF: 9.8/22

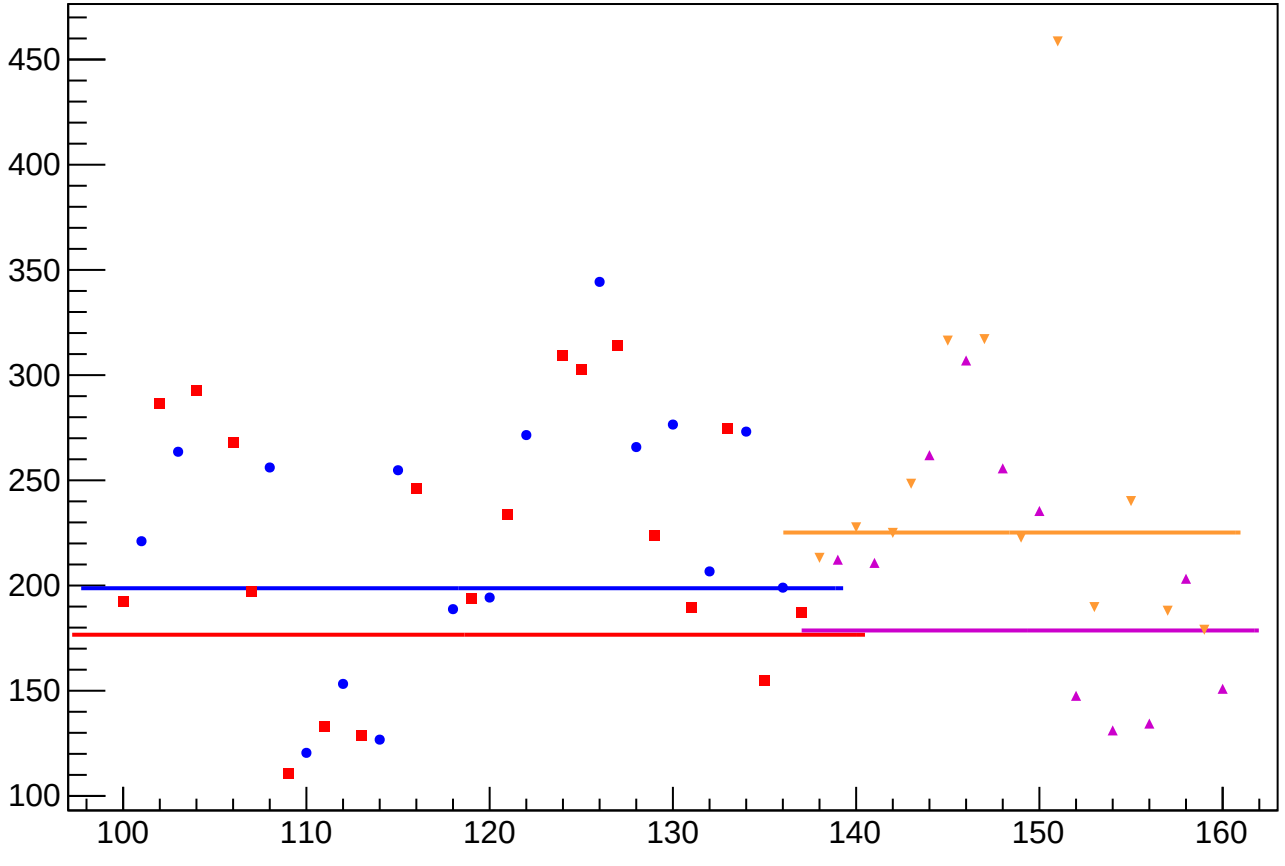
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 72.348+/-48.573 χ^2/NDF:23.9/26

Out: -0.786+/-51.509 χ^2/NDF:25.6/30

All: 37.925+/-35.339 χ^2/NDF: 50.6/57

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: 178.643+/-0.044 χ^2/NDF:1331523.7/10

Left: 197.224+/-0.034 χ^2/NDF: 2709635.4/22

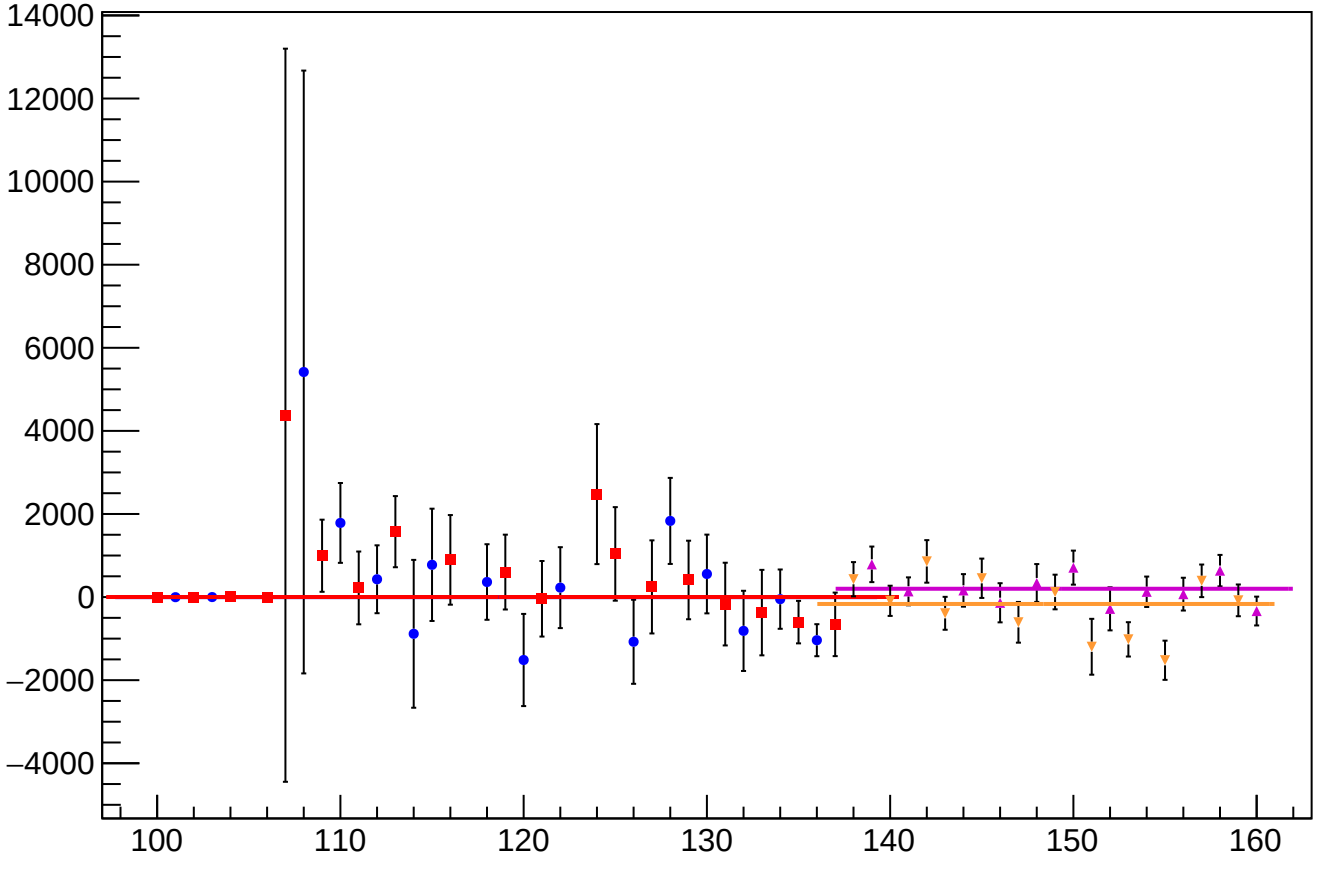
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 186.439+/-0.034 χ^2/NDF:2406745.0/26

Out: 198.818+/-0.036 χ^2/NDF:2966620.7/30

All: 192.266+/-0.025 χ^2/NDF: 5434514.5/57

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: 200.107+/-120.383 χ^2/NDF:8.8/10

Left: 24.065+/-86.732 χ^2/NDF: 39.6/22

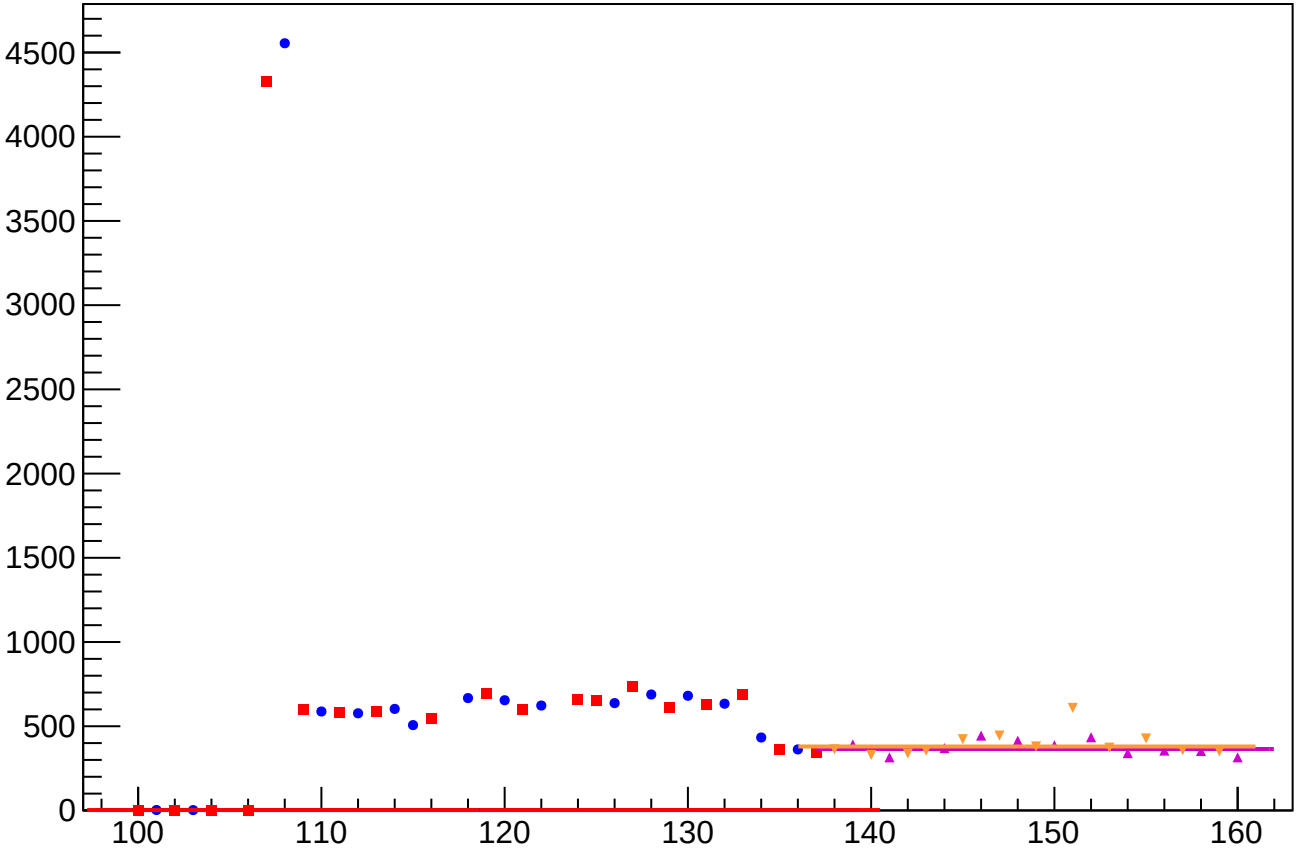
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.173+/-2.170 χ^2/NDF:31.5/26

Out: 1.334+/-2.022 χ^2/NDF:45.0/30

All: 0.169+/-1.480 χ^2/NDF: 77.2/57

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: 364.910+/-0.085 χ^2/NDF:226858.8/10

Left: 372.024+/-0.061 χ^2/NDF: 627005.4/22

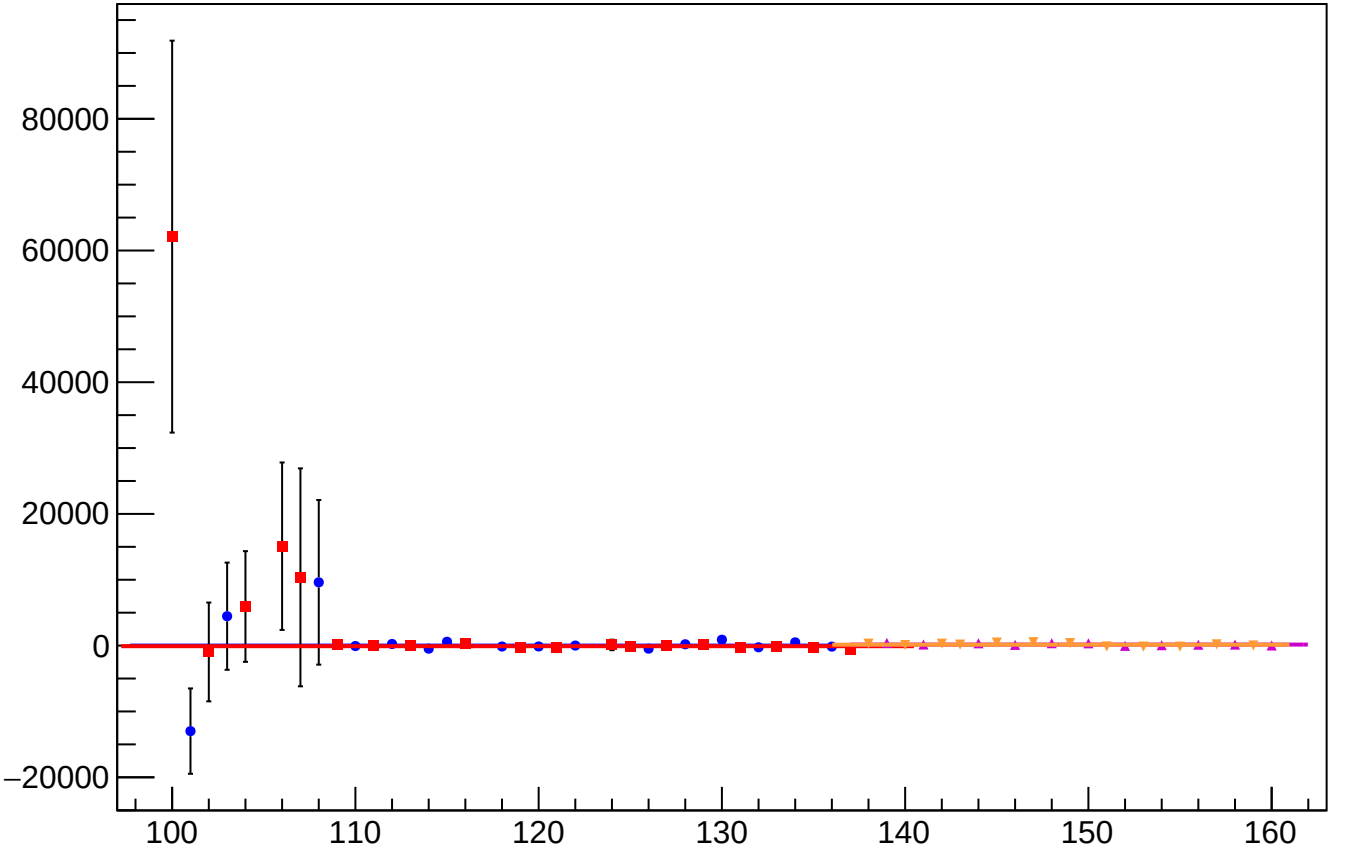
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.595+/-0.002 χ^2/NDF:29975382.0/26

Out: 2.561+/-0.001 χ^2/NDF:30122480.3/30

All: 2.576+/-0.001 χ^2/NDF: 60098120.9/57

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: 156.733+/-67.465 χ^2/NDF:4.3/10

Left: 150.290+/-52.046 χ^2/NDF: 10.6/22

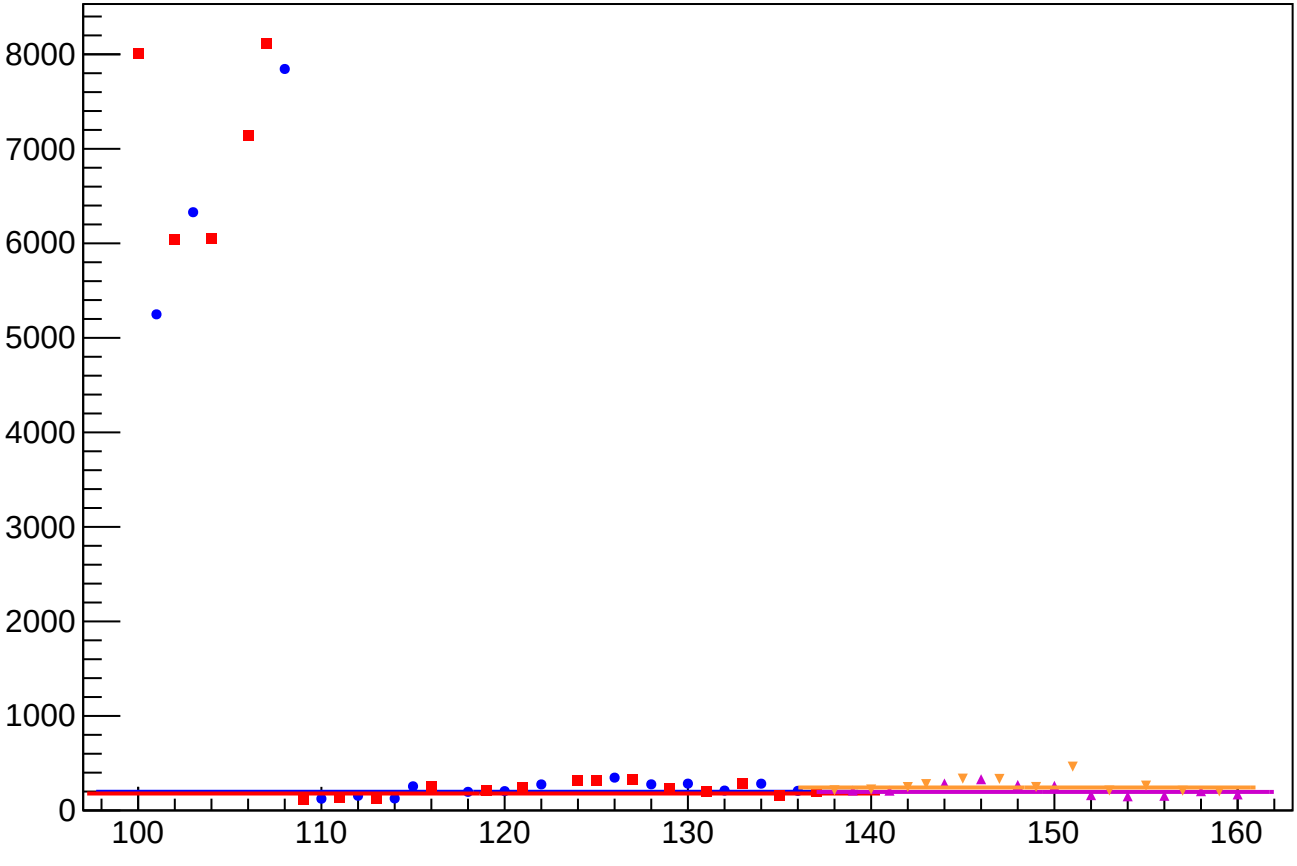
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 98.780+/-53.501 χ^2/NDF:23.1/26

Out: 26.100+/-57.770 χ^2/NDF:25.1/30

All: 65.224+/-39.254 χ^2/NDF: 49.1/57

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: 196.072+/-0.048 χ^2/NDF:1063078.3/10

Left: 215.061+/-0.037 χ^2/NDF: 2297202.2/22

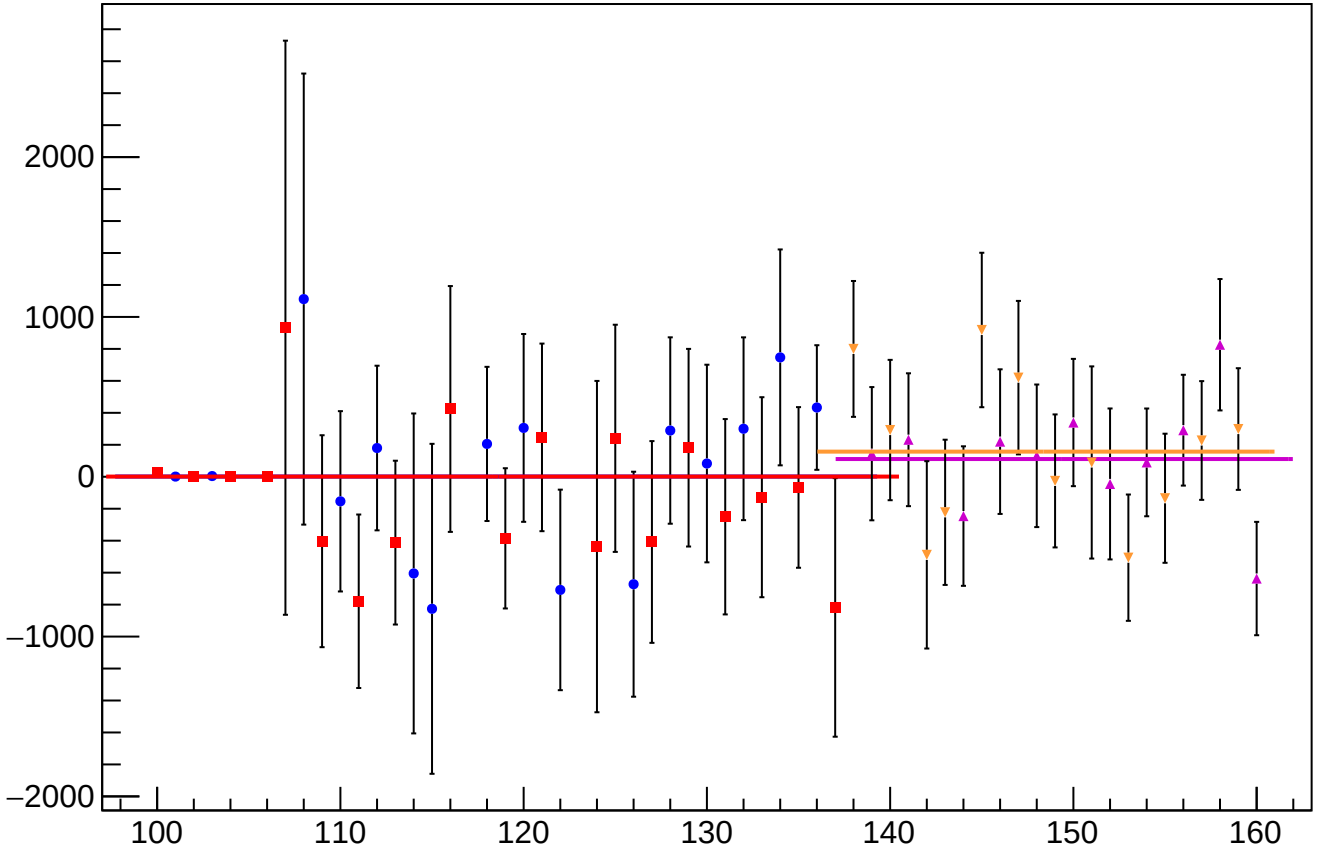
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.647+/-0.038 χ^2/NDF:5020661.2/26

Out: 211.038+/-0.041 χ^2/NDF:5869564.6/30

All: 203.291+/-0.028 χ^2/NDF: 10957033.8/57

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: 110.851+/-120.843 χ^2/NDF:9.0/10

Left: 132.948+/-87.437 χ^2/NDF: 20.5/22

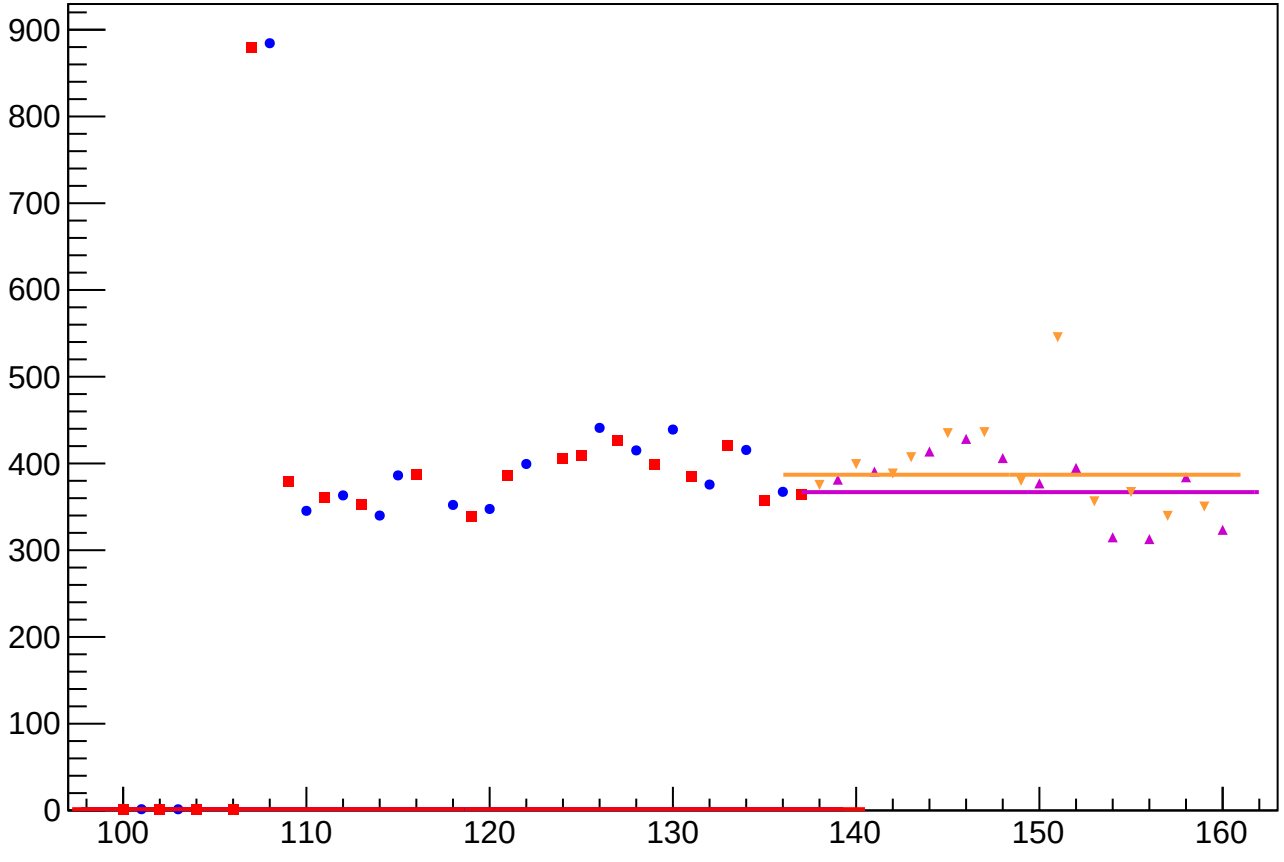
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.476+/-1.660 χ^2/NDF:17.7/26

Out: 1.116+/-1.528 χ^2/NDF:22.1/30

All: 1.281+/-1.124 χ^2/NDF: 39.8/57

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: 366.958+/-0.085 χ^2/NDF:222337.9/10

Left: 376.513+/-0.062 χ^2/NDF: 503880.0/22

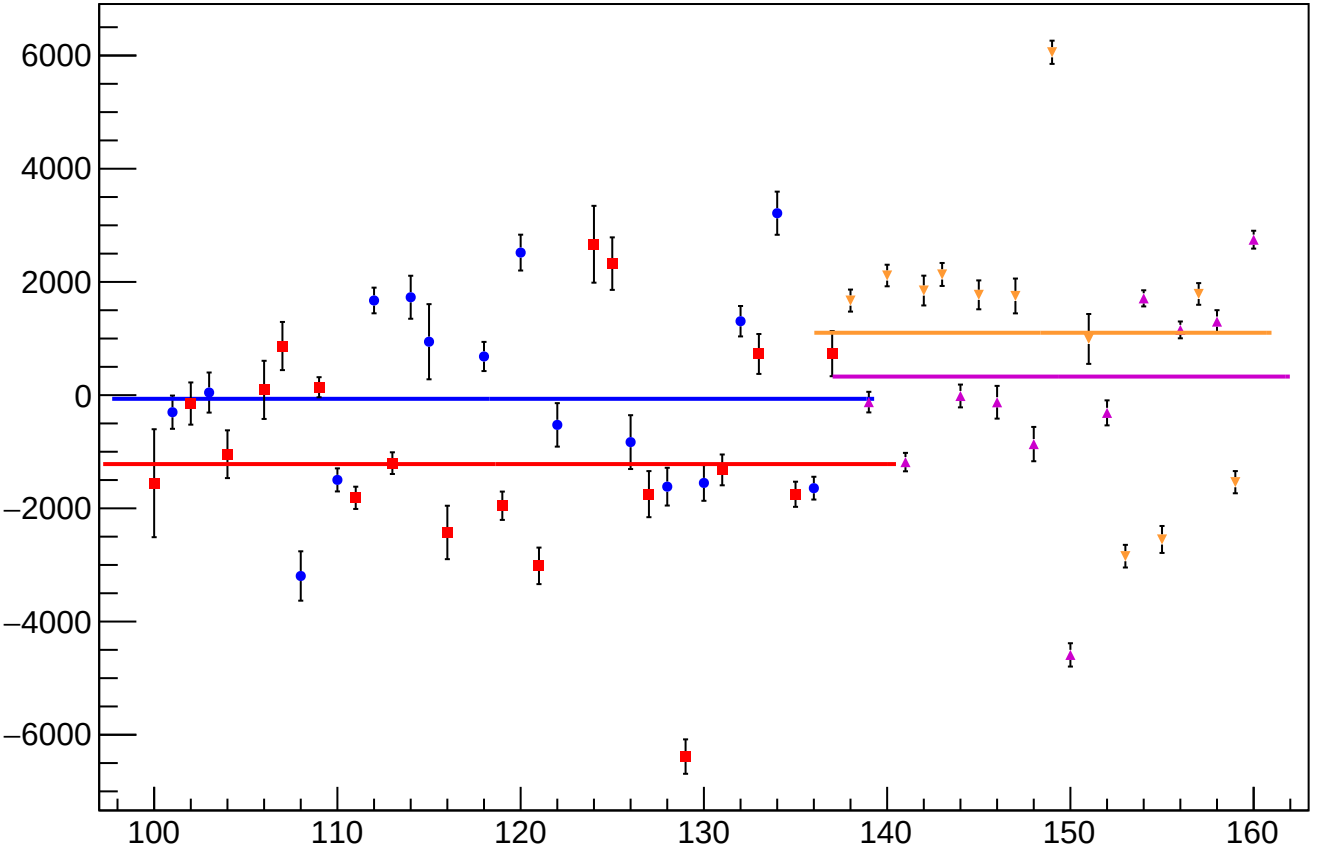
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.539+/-0.001 χ^2/NDF:30249234.1/26

Out: 1.523+/-0.001 χ^2/NDF:30050902.2/30

All: 1.530+/-0.001 χ^2/NDF: 60300235.9/57

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: 328.028+/-56.010 χ^2/NDF:1074.4/10

Left: 663.107+/-42.179 χ^2/NDF: 2640.4/22

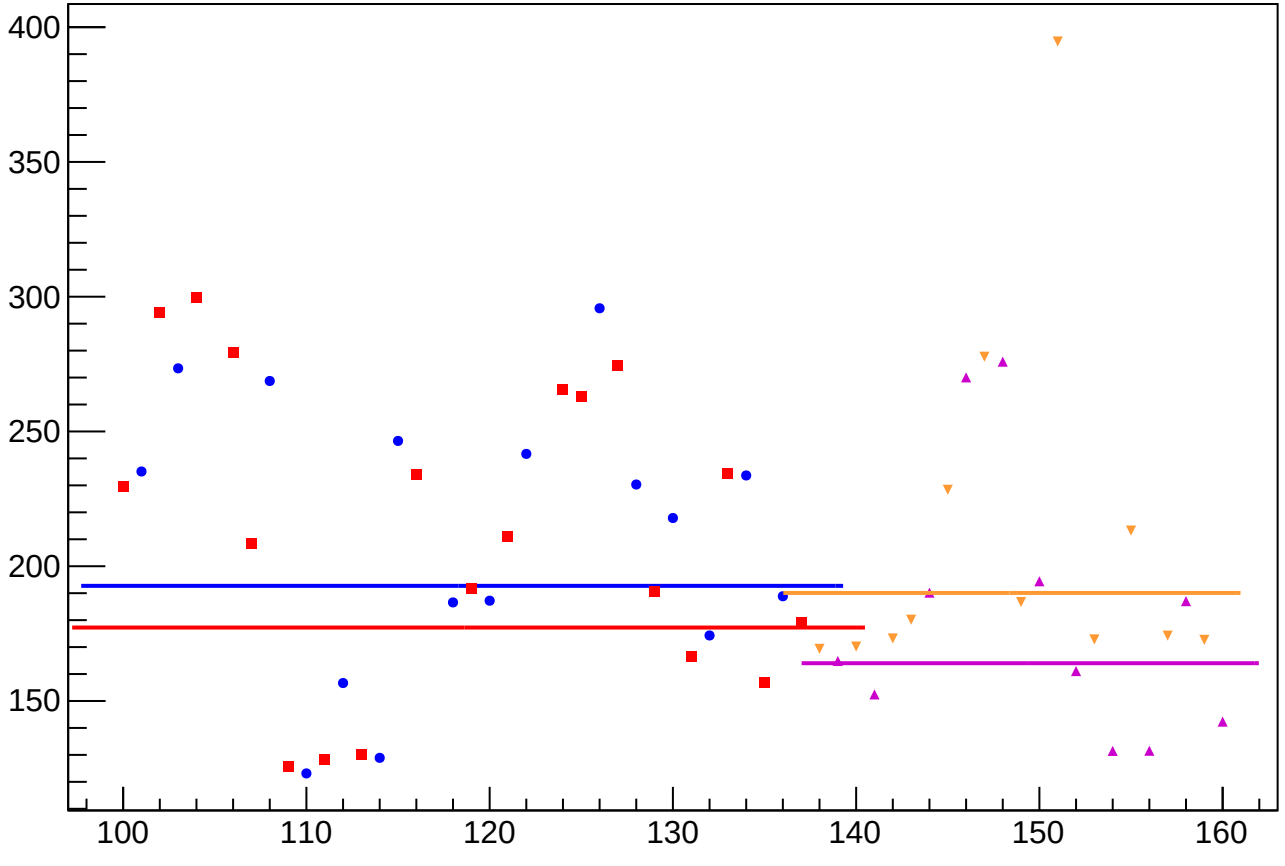
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 187.060+/-44.854 χ^2/NDF:1561.5/26

Out: 27.638+/-46.972 χ^2/NDF:2684.5/30

All: 111.025+/-32.440 χ^2/NDF: 4252.0/57

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: 164.018+/-0.040 χ^2/NDF:893038.7/10

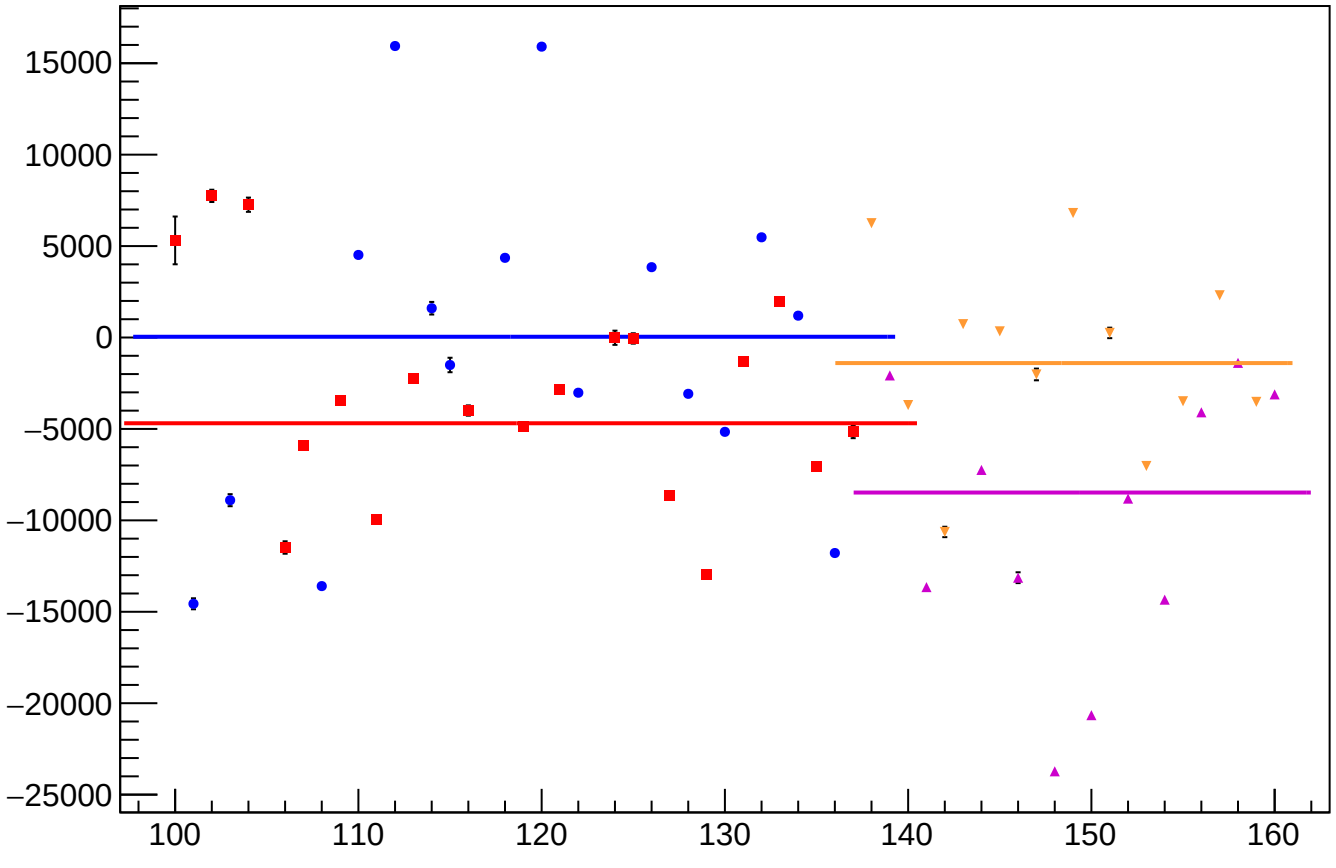
Left: 175.305+/-0.030 χ^2/NDF: 1840606.1/22

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 174.312+/-0.032 χ^2/NDF:1840552.0/26

Out: 184.145+/-0.033 χ^2/NDF:2023285.8/30

All: 179.002+/-0.023 χ^2/NDF: 3909674.3/57



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: -8478.858+/-56.825 χ^2/NDF:14215.2/10

Left: -4901.275+/-39.969 χ^2/NDF: 28854.9/22

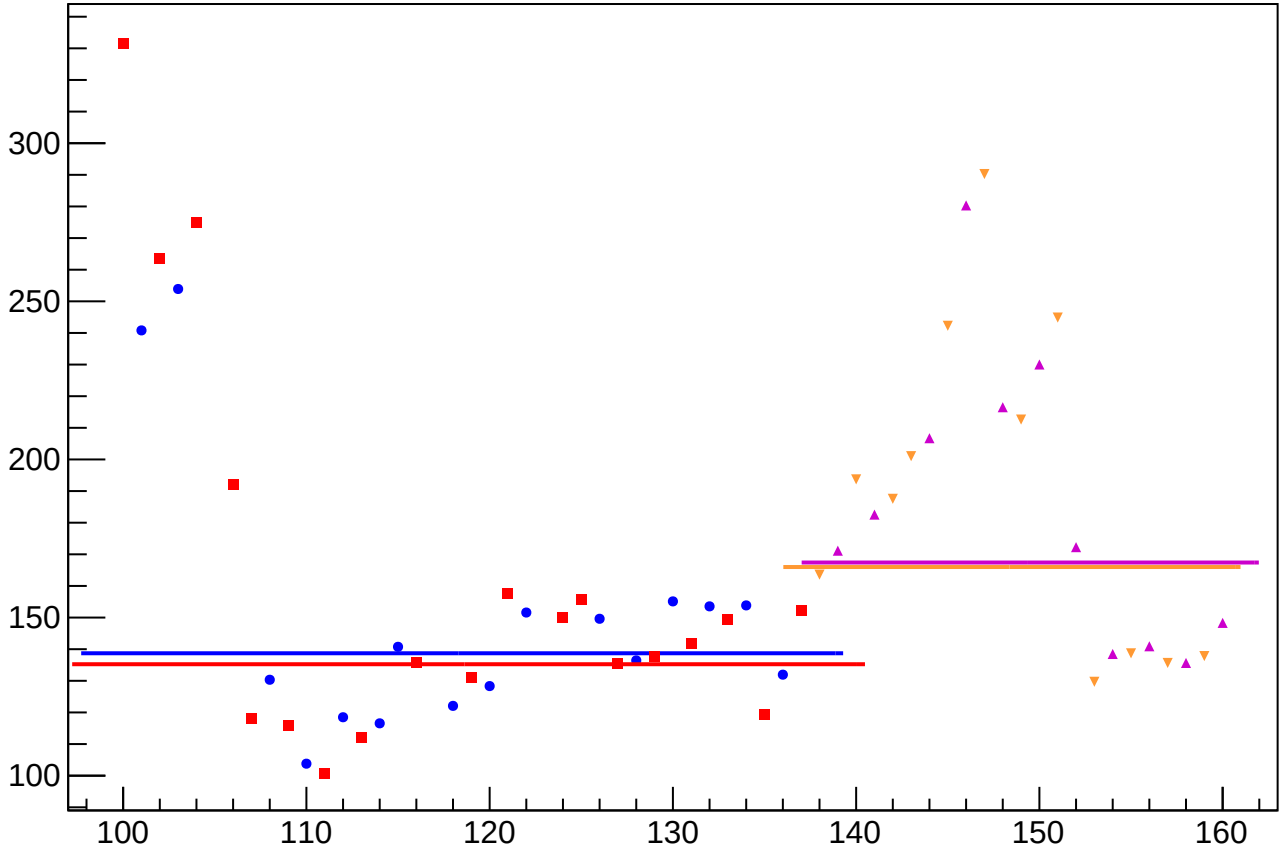
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4017.517+/-39.220 χ^2/NDF:56772.4/26

Out: -3169.469+/-38.215 χ^2/NDF:16434.5/30

All: -3582.486+/-27.370 χ^2/NDF: 73446.8/57

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: 167.407+/-0.040 χ^2/NDF:833941.7/10

Left: 166.687+/-0.028 χ^2/NDF: 1960443.7/22

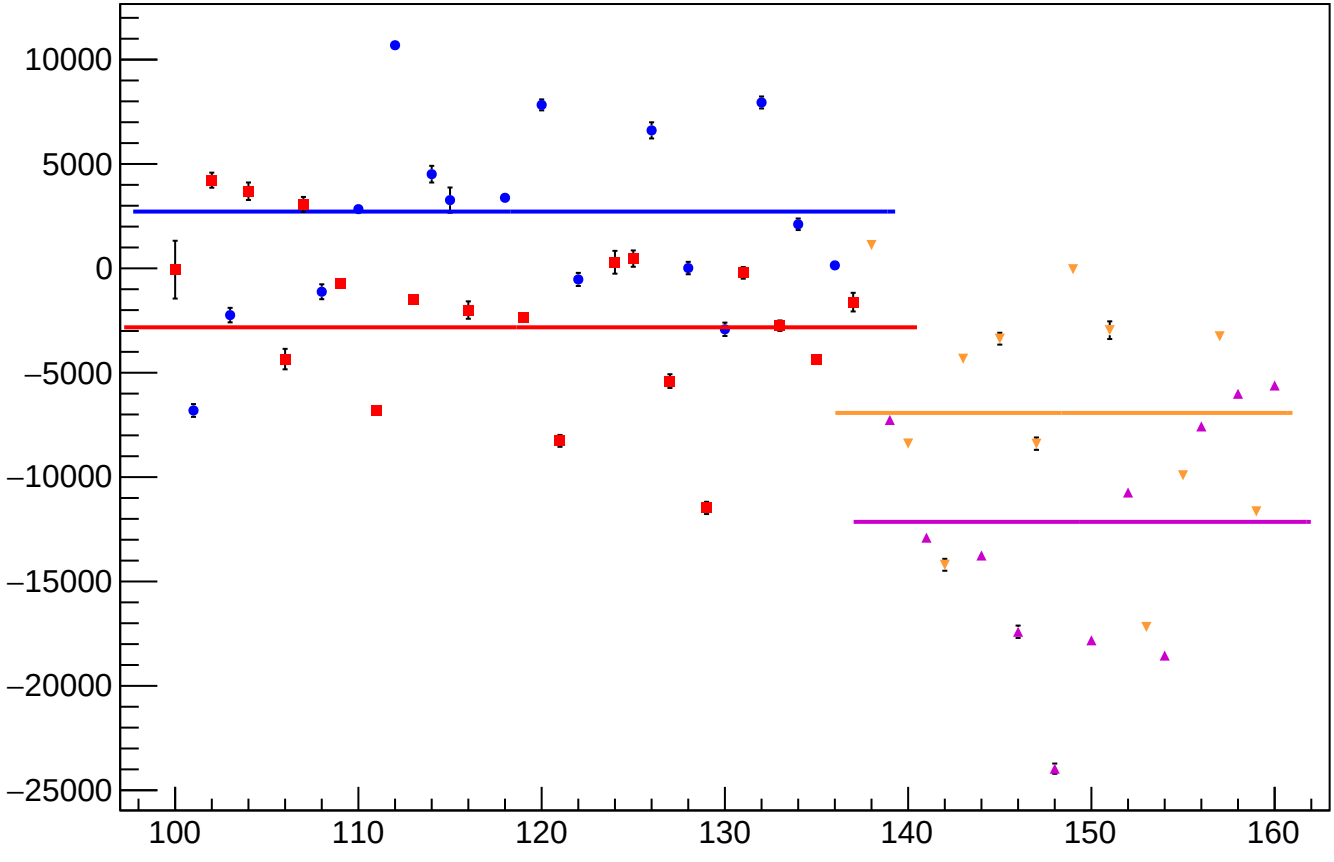
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.381+/-0.028 χ^2/NDF:1758781.5/26

Out: 149.442+/-0.027 χ^2/NDF:2337476.1/30

All: 150.873+/-0.019 χ^2/NDF: 4102017.3/57

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: -12143.672+/-59.626 χ^2/NDF:9004.8/10

Left: -9842.819+/-44.585 χ^2/NDF: 19737.4/22

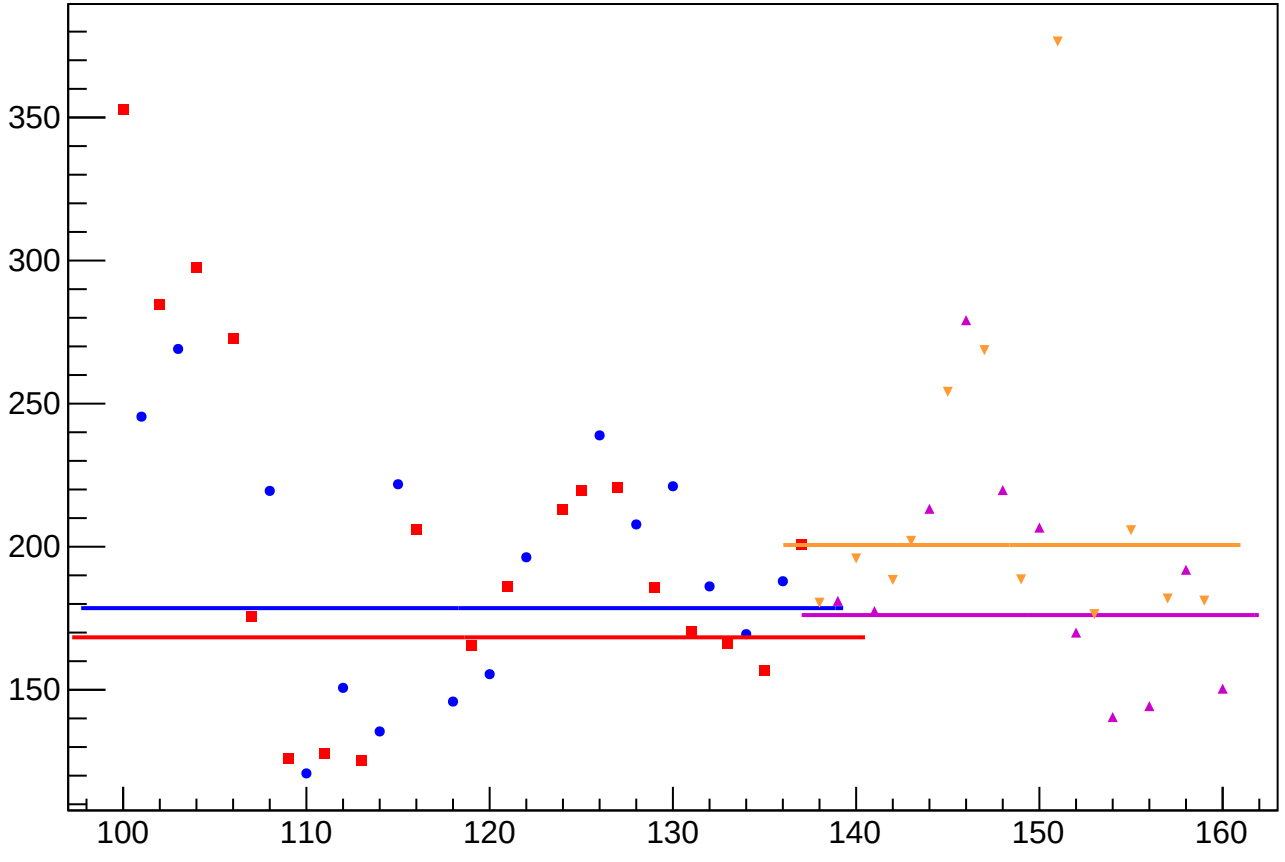
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5815.404+/-45.184 χ^2/NDF:39591.1/26

Out: -4802.782+/-46.648 χ^2/NDF:12347.7/30

All: -5325.232+/-32.455 χ^2/NDF: 52182.0/57

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: 176.120+/-0.042 χ^2/NDF:647425.9/10

Left: 186.915+/-0.032 χ^2/NDF: 1413211.8/22

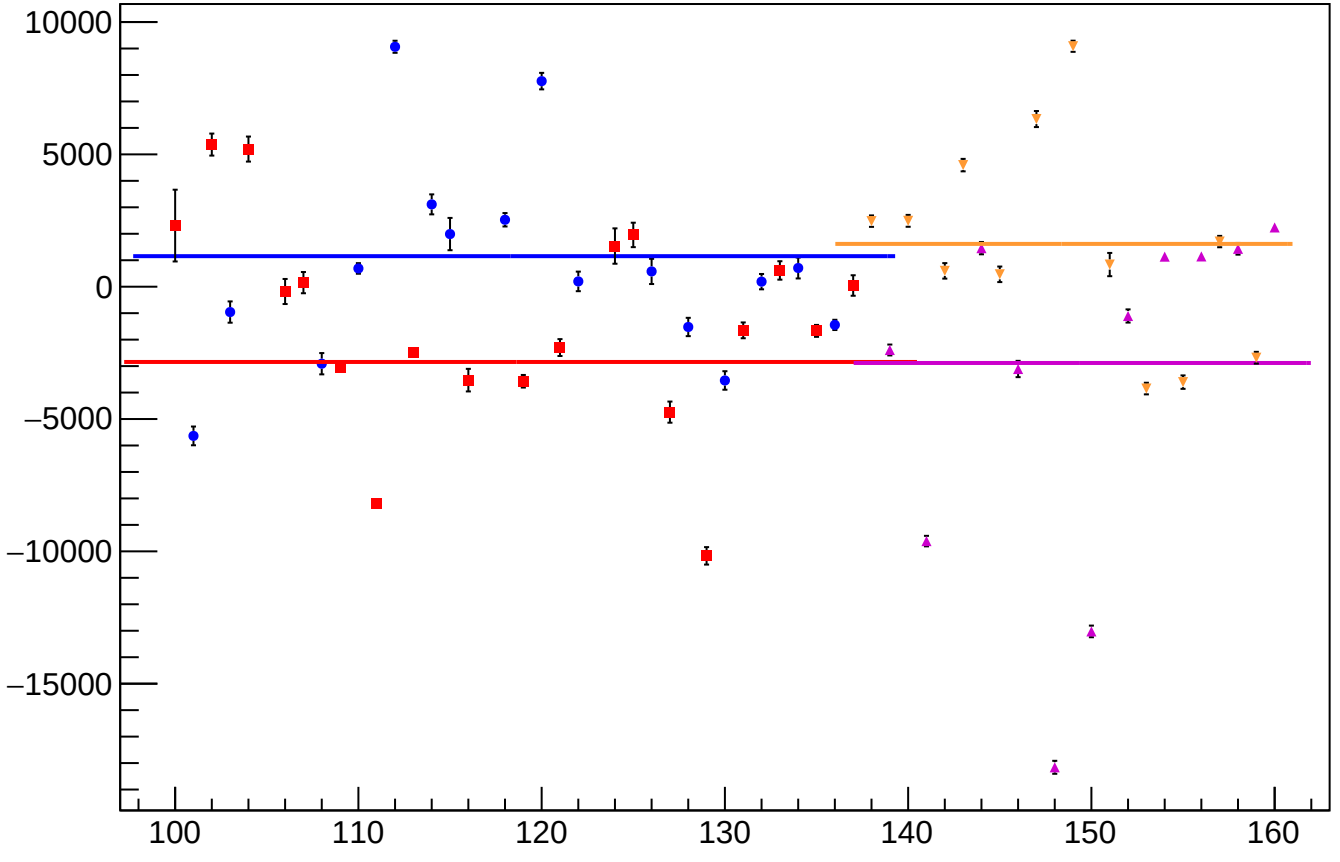
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.151+/-0.032 χ^2/NDF:1323396.2/26

Out: 183.909+/-0.033 χ^2/NDF:1835581.6/30

All: 180.422+/-0.023 χ^2/NDF: 3180635.2/57

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: -2882.120+/-63.258 χ^2/NDF:9808.0/10

Left: -887.131+/-47.194 χ^2/NDF: 15182.2/22

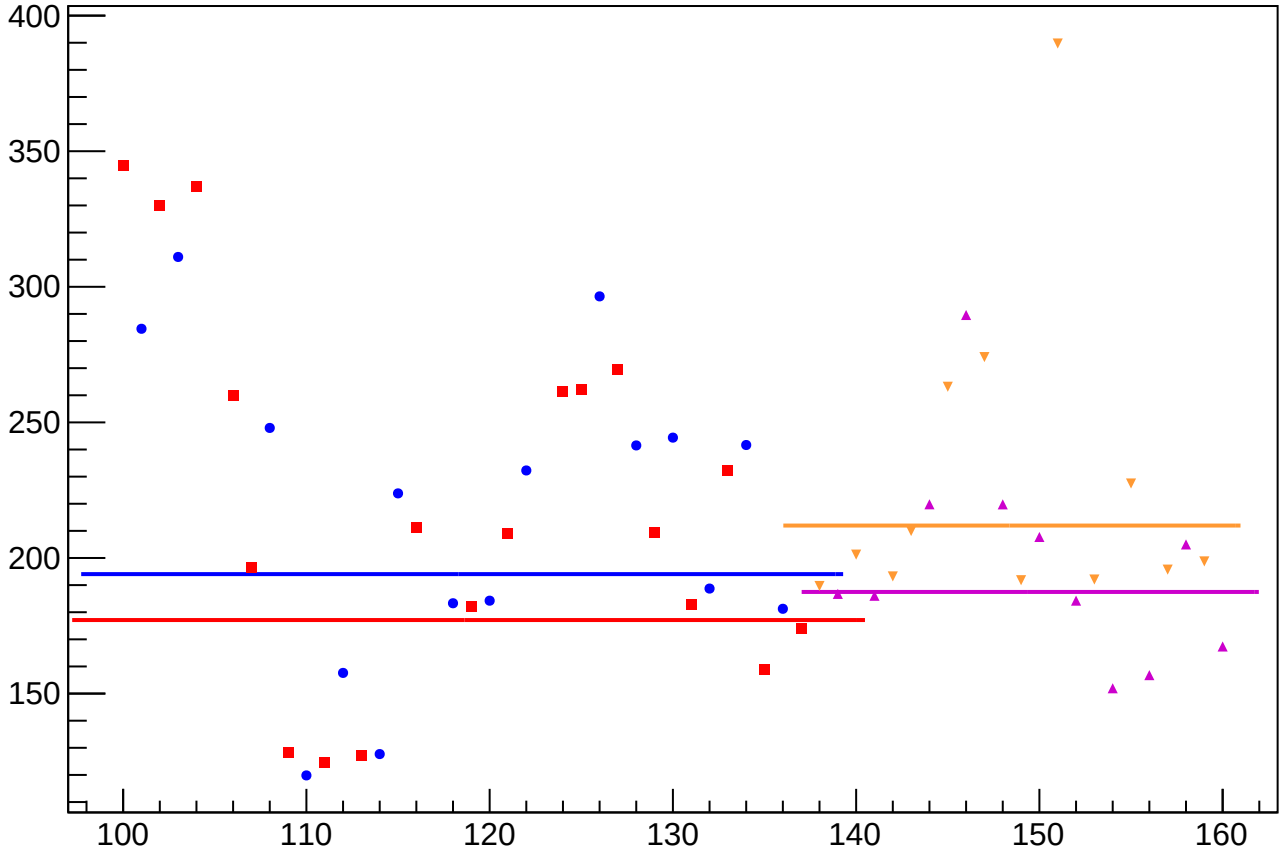
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1229.259+/-48.608 χ^2/NDF:14130.4/26

Out: -668.641+/-49.491 χ^2/NDF:7614.2/30

All: -953.991+/-34.679 χ^2/NDF: 21809.9/57

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: 187.477+/-0.045 χ^2/NDF:499987.8/10

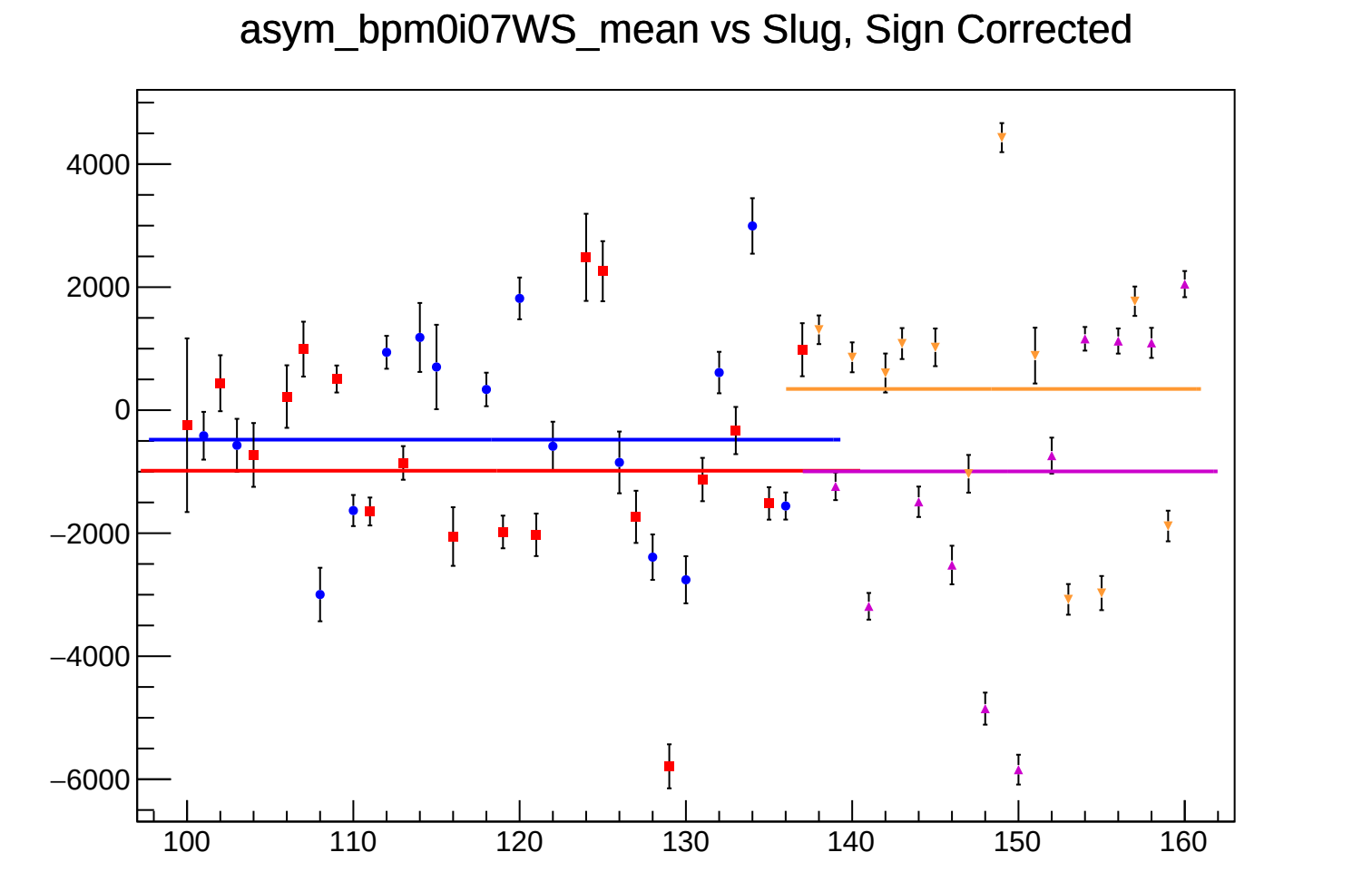
Left: 198.332+/-0.033 χ^2/NDF: 1199275.9/22

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 190.170+/-0.034 χ^2/NDF:1474626.0/26

Out: 194.105+/-0.035 χ^2/NDF:2173494.8/30

All: 192.102+/-0.025 χ^2/NDF: 3654558.3/57



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: -995.123+/-70.515 χ^2/NDF:1262.8/10

Left: -385.523+/-52.060 χ^2/NDF: 2230.8/22

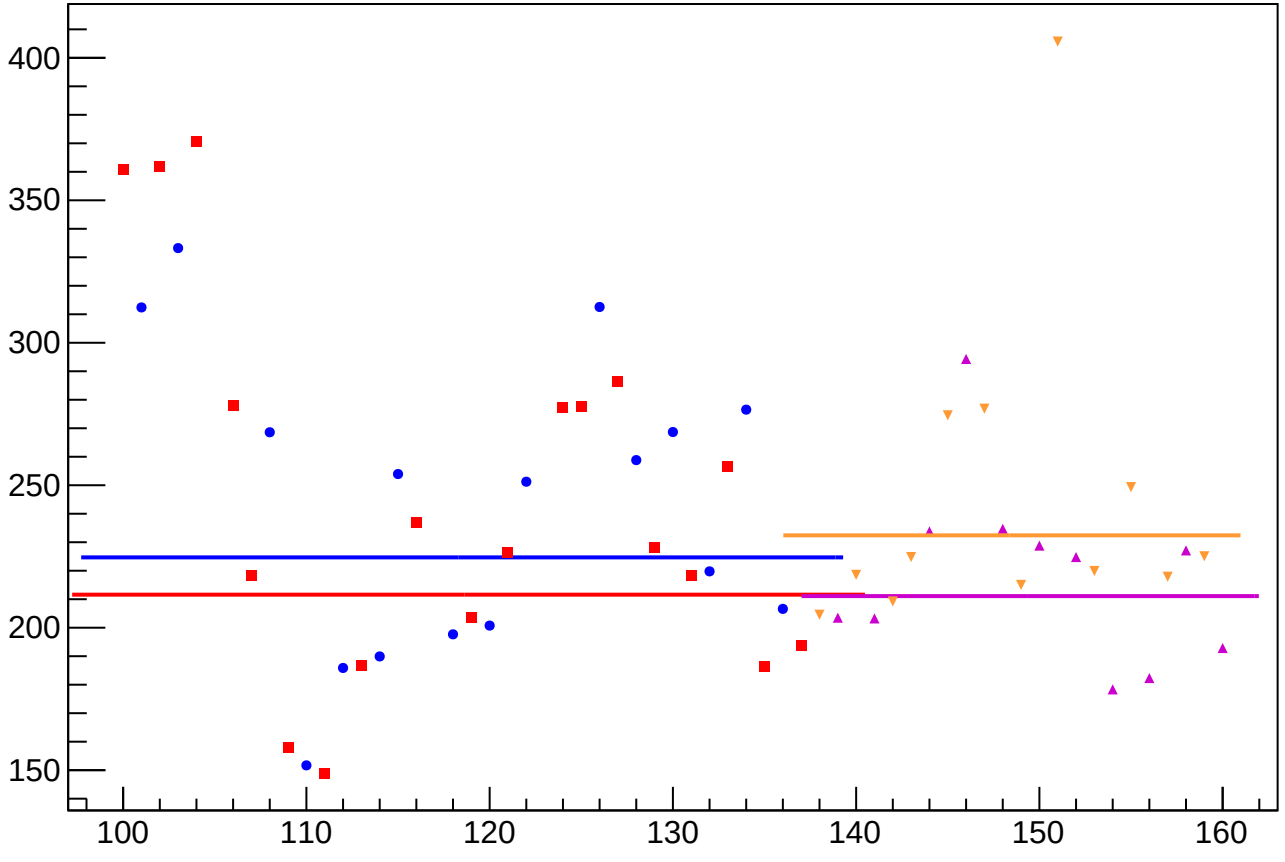
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -789.716+/-54.702 χ^2/NDF:1589.5/26

Out: -288.228+/-55.860 χ^2/NDF:1343.2/30

All: -544.224+/-39.083 χ^2/NDF: 2973.8/57

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: 211.094+/-0.050 χ^2/NDF:314877.2/10

Left: 220.795+/-0.037 χ^2/NDF: 849724.8/22

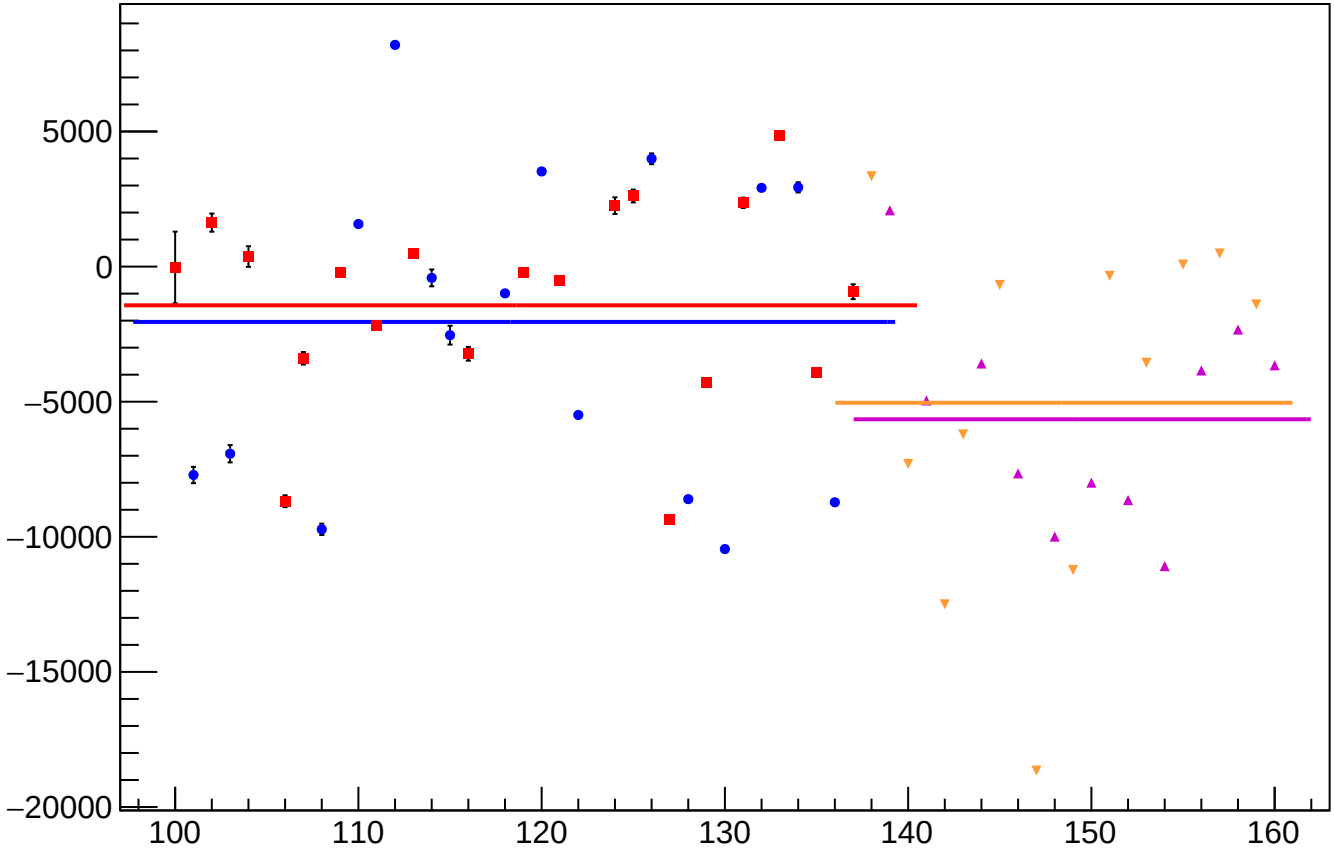
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 216.505+/-0.039 χ^2/NDF:997644.5/26

Out: 222.502+/-0.039 χ^2/NDF:1453869.9/30

All: 219.441+/-0.028 χ^2/NDF: 2463278.3/57

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: -5650.559+/-38.489 χ^2/NDF:9212.2/10

Left: -5339.503+/-26.958 χ^2/NDF: 37729.9/22

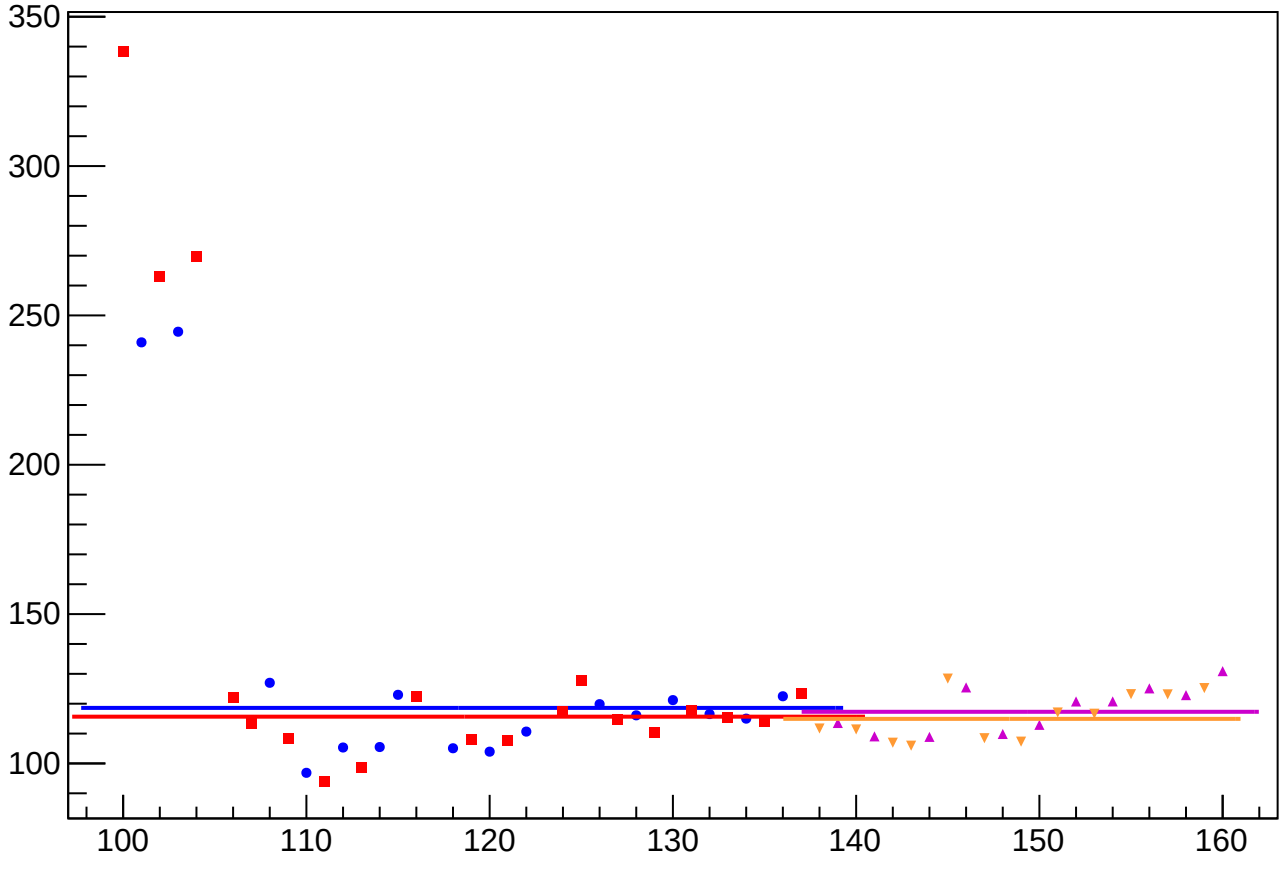
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4193.826+/-29.707 χ^2/NDF:29464.6/26

Out: -3538.534+/-28.858 χ^2/NDF:38573.6/30

All: -3856.680+/-20.699 χ^2/NDF: 68288.5/57

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: 117.291+/-0.027 χ^2/NDF:69991.3/10

Left: 116.085+/-0.019 χ^2/NDF: 151044.5/22

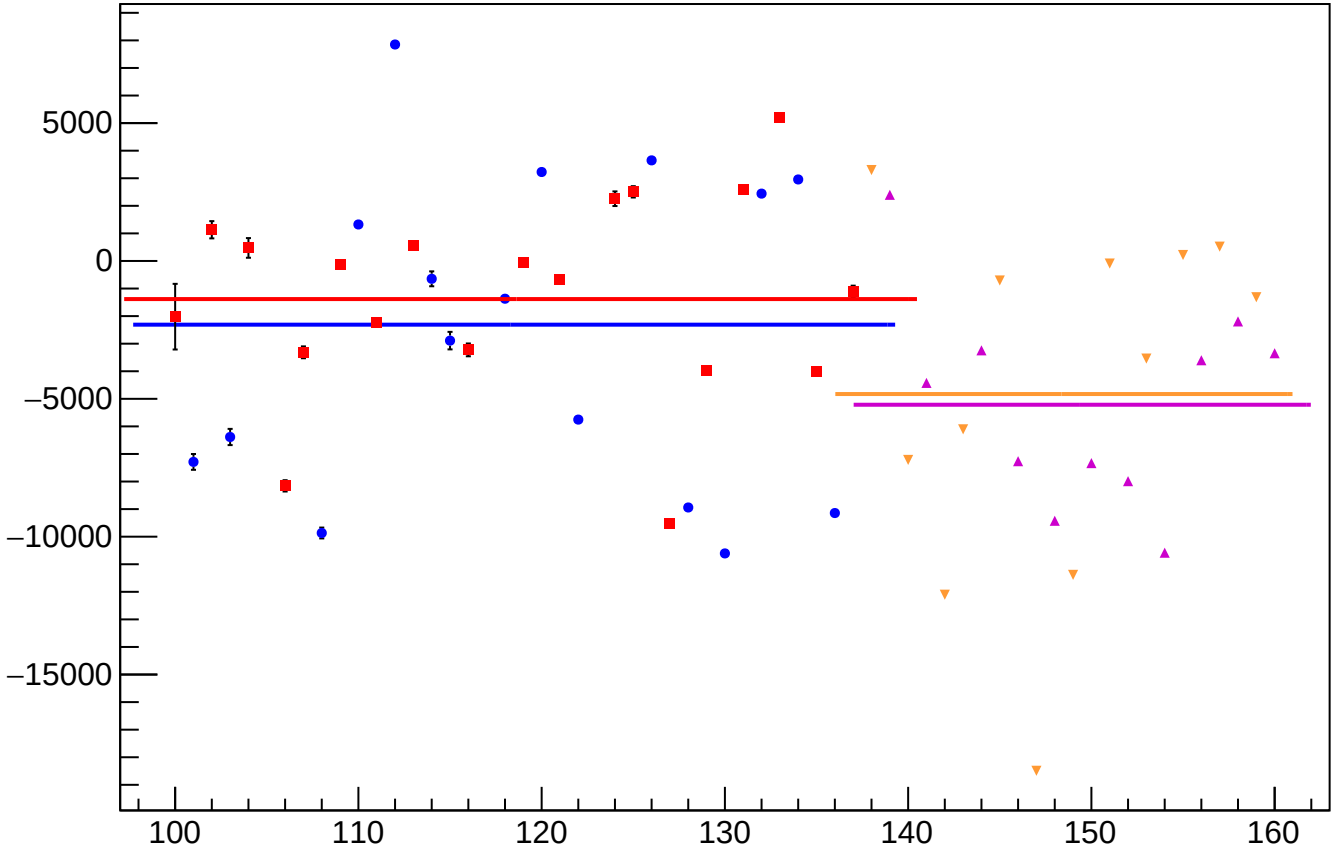
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.818+/-0.021 χ^2/NDF:805079.9/26

Out: 115.230+/-0.020 χ^2/NDF:941722.8/30

All: 116.487+/-0.015 χ^2/NDF: 1754613.5/57

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: -5214.795+/-34.536 χ^2/NDF:10901.7/10

Left: -5017.283+/-24.212 χ^2/NDF: 45232.0/22

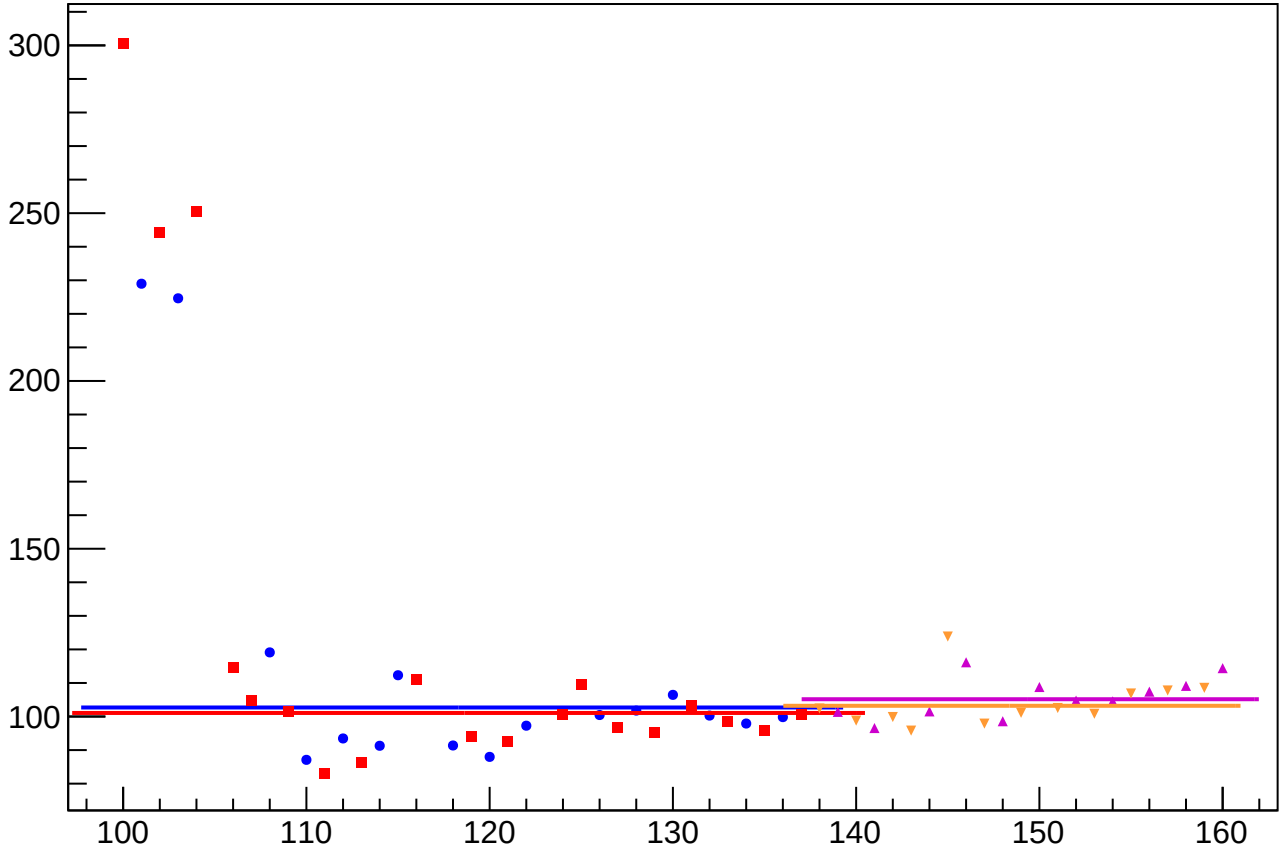
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4000.221+/-26.343 χ^2/NDF:35538.5/26

Out: -3356.185+/-25.704 χ^2/NDF:47237.5/30

All: -3670.300+/-18.397 χ^2/NDF: 83082.2/57

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: 105.157+/-0.024 χ^2/NDF:56703.1/10

Left: 104.162+/-0.017 χ^2/NDF: 132344.0/22

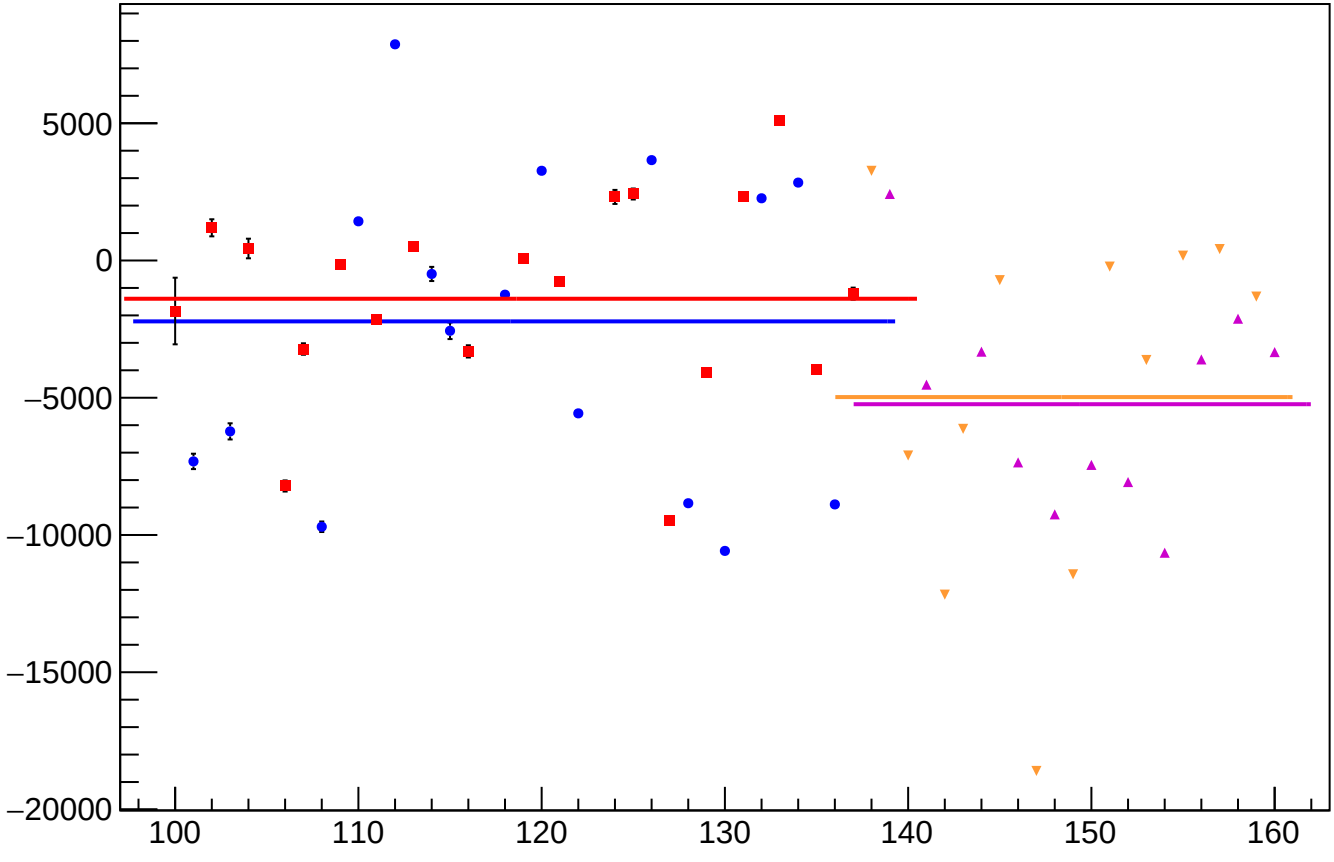
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 104.127+/-0.019 χ^2/NDF:886758.3/26

Out: 102.288+/-0.018 χ^2/NDF:1006218.0/30

All: 103.185+/-0.013 χ^2/NDF: 1897966.7/57

asym_bpm2i02WS_mean vs Slug, Sign Corrected



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: -5235.726+/-33.703 χ^2/NDF:11530.4/10

Left: -5103.570+/-23.624 χ^2/NDF: 48540.0/22

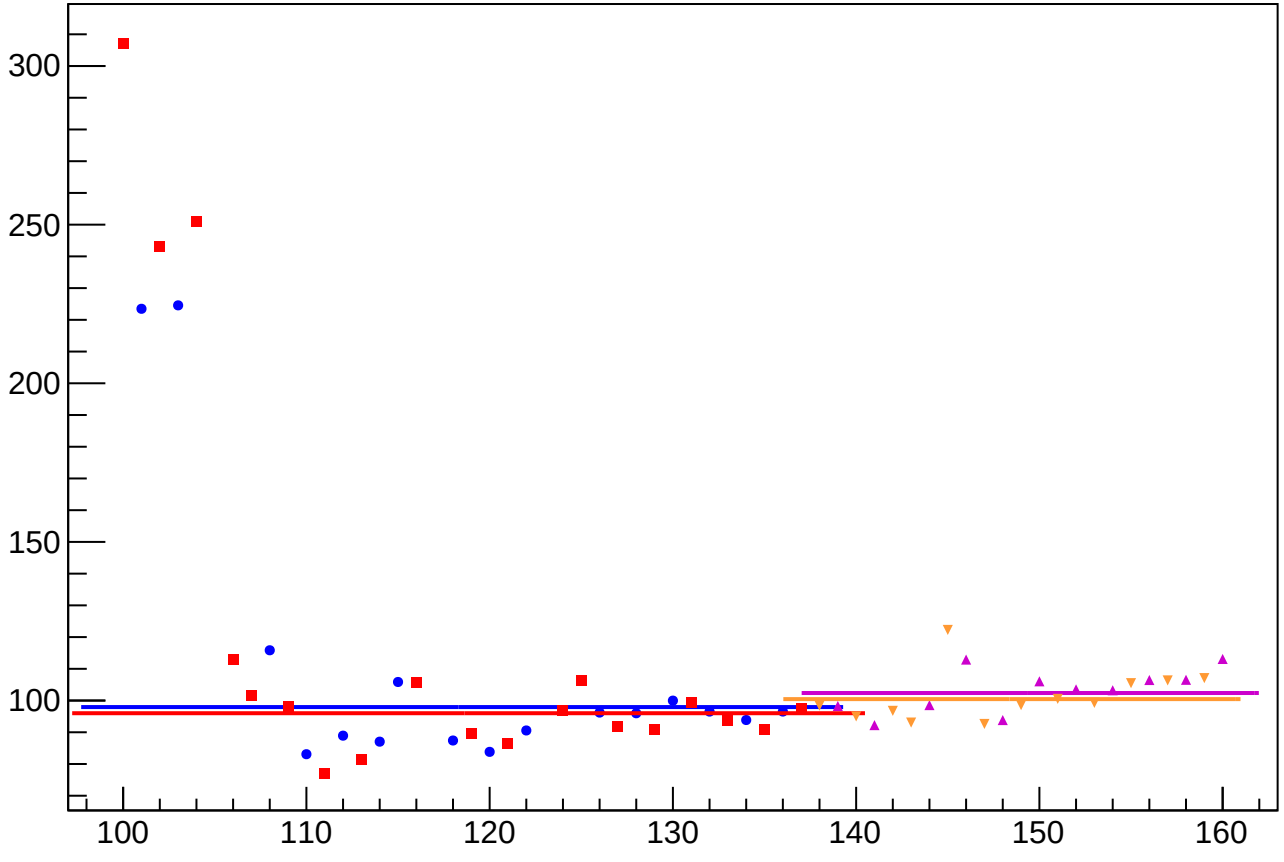
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3947.065+/-25.511 χ^2/NDF:37994.7/26

Out: -3409.667+/-24.848 χ^2/NDF:51245.7/30

All: -3671.297+/-17.800 χ^2/NDF: 89468.1/57

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: 102.374+/-0.024 χ^2/NDF:76547.8/10

Left: 101.396+/-0.017 χ^2/NDF: 173720.6/22

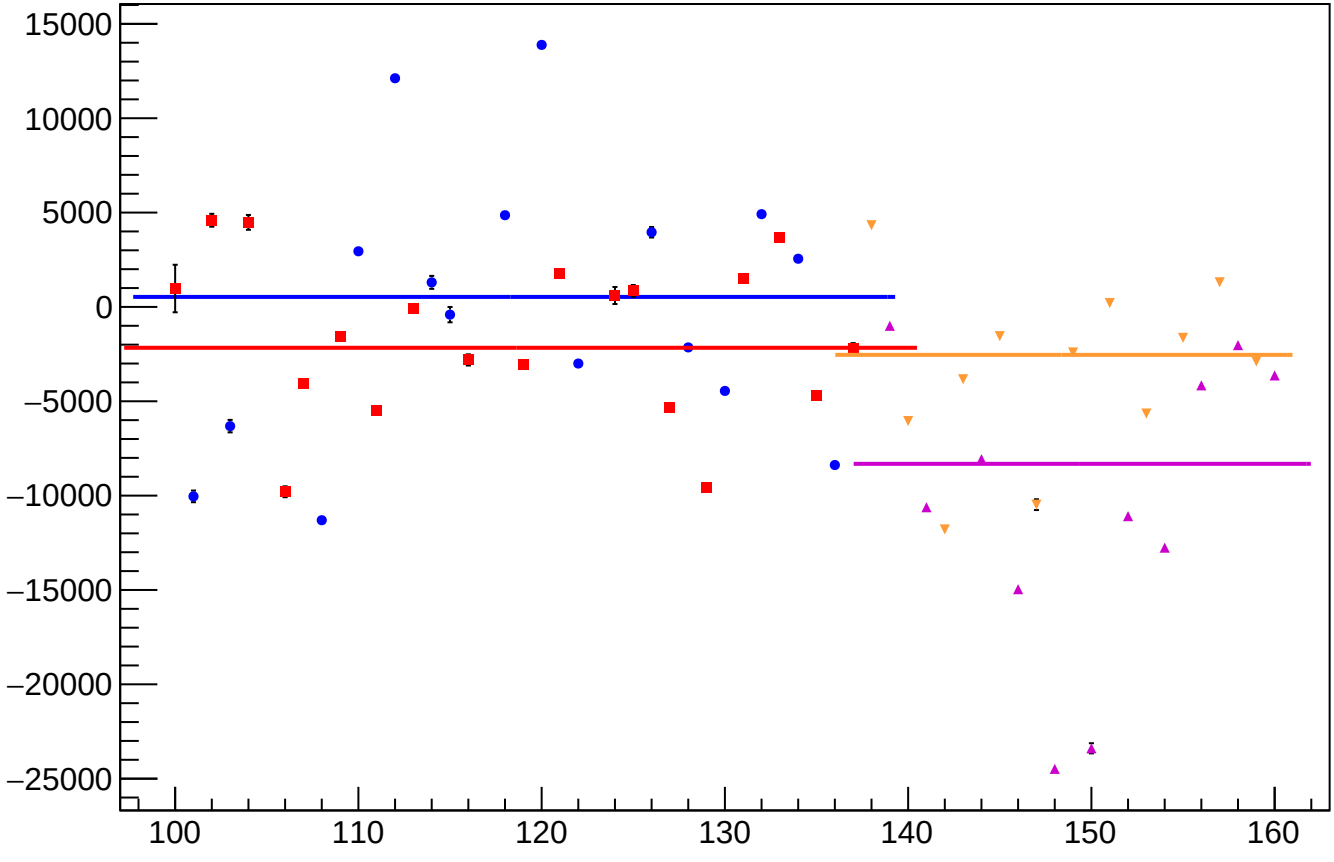
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 100.482+/-0.018 χ^2/NDF:959456.8/26

Out: 98.507+/-0.018 χ^2/NDF:1121895.4/30

All: 99.468+/-0.013 χ^2/NDF: 2087507.1/57

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: -8315.245+/-51.845 χ^2/NDF:14733.4/10

Left: -5332.678+/-36.052 χ^2/NDF: 27398.6/22

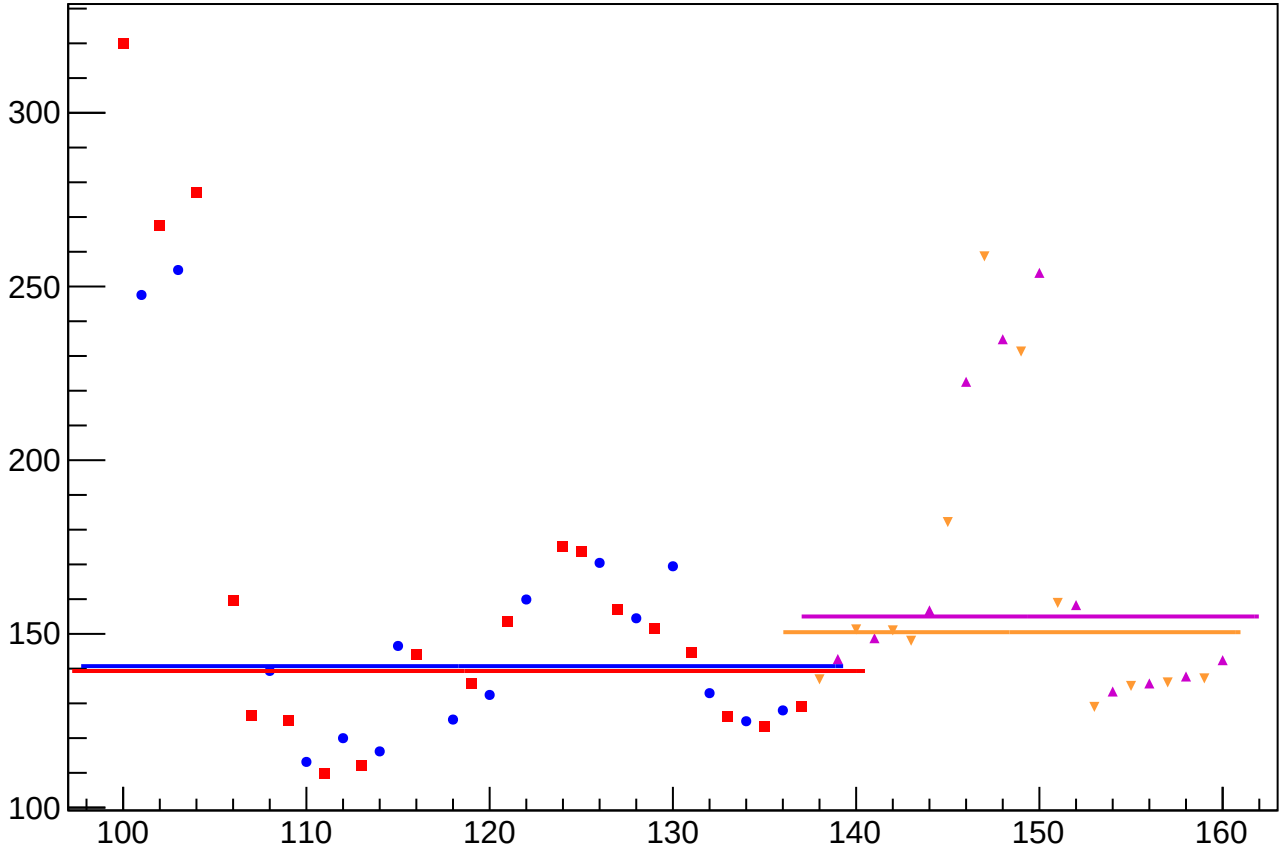
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4141.642+/-37.679 χ^2/NDF:47056.1/26

Out: -2364.455+/-36.581 χ^2/NDF:11250.3/30

All: -3226.786+/-26.246 χ^2/NDF: 59451.6/57

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: 155.012+/-0.037 χ^2/NDF:755046.8/10

Left: 152.677+/-0.025 χ^2/NDF: 1422359.6/22

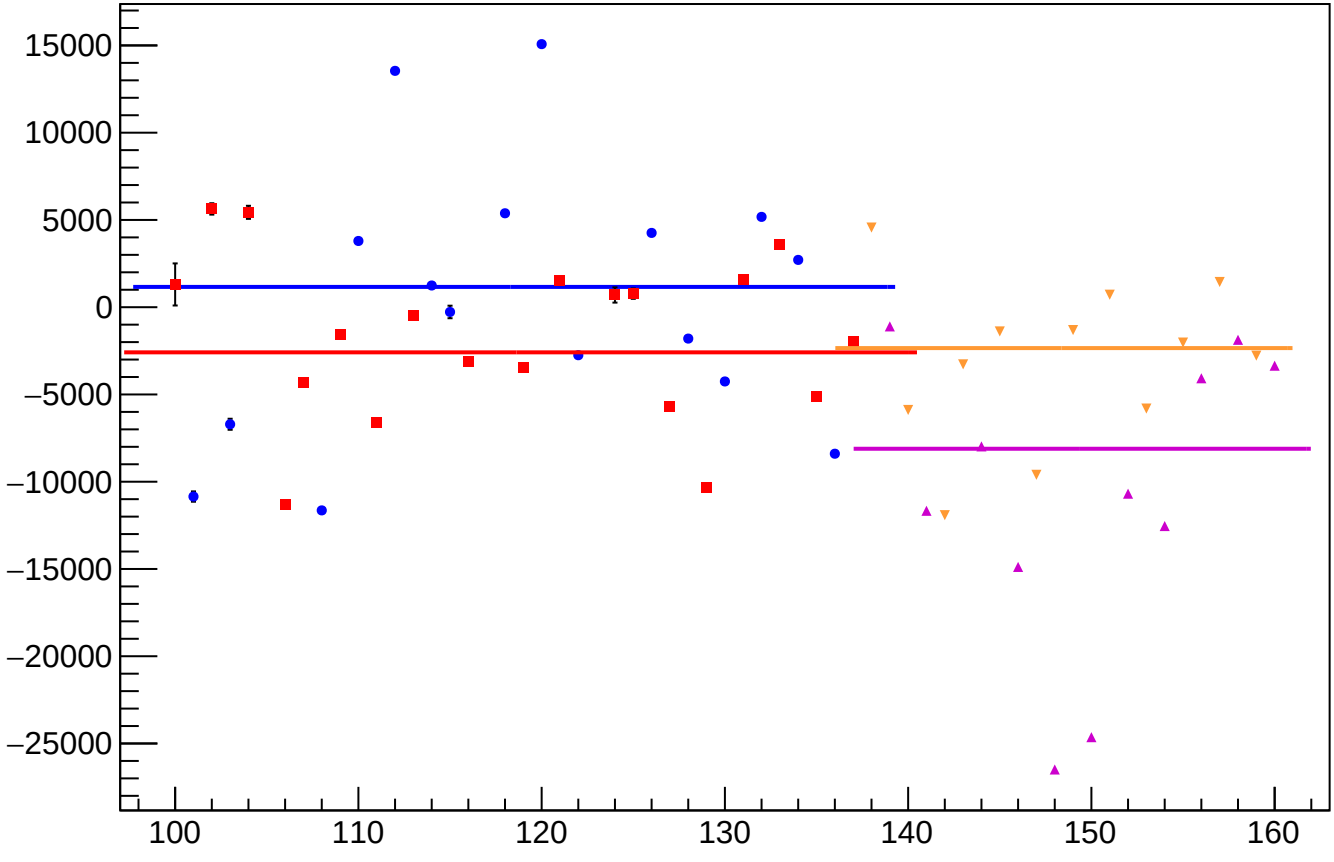
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.266+/-0.027 χ^2/NDF:1502417.3/26

Out: 145.259+/-0.026 χ^2/NDF:1508247.1/30

All: 146.718+/-0.019 χ^2/NDF: 3017223.3/57

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: -8111.078+/-45.620 χ^2/NDF:19778.7/10

Left: -5127.220+/-31.695 χ^2/NDF: 36292.3/22

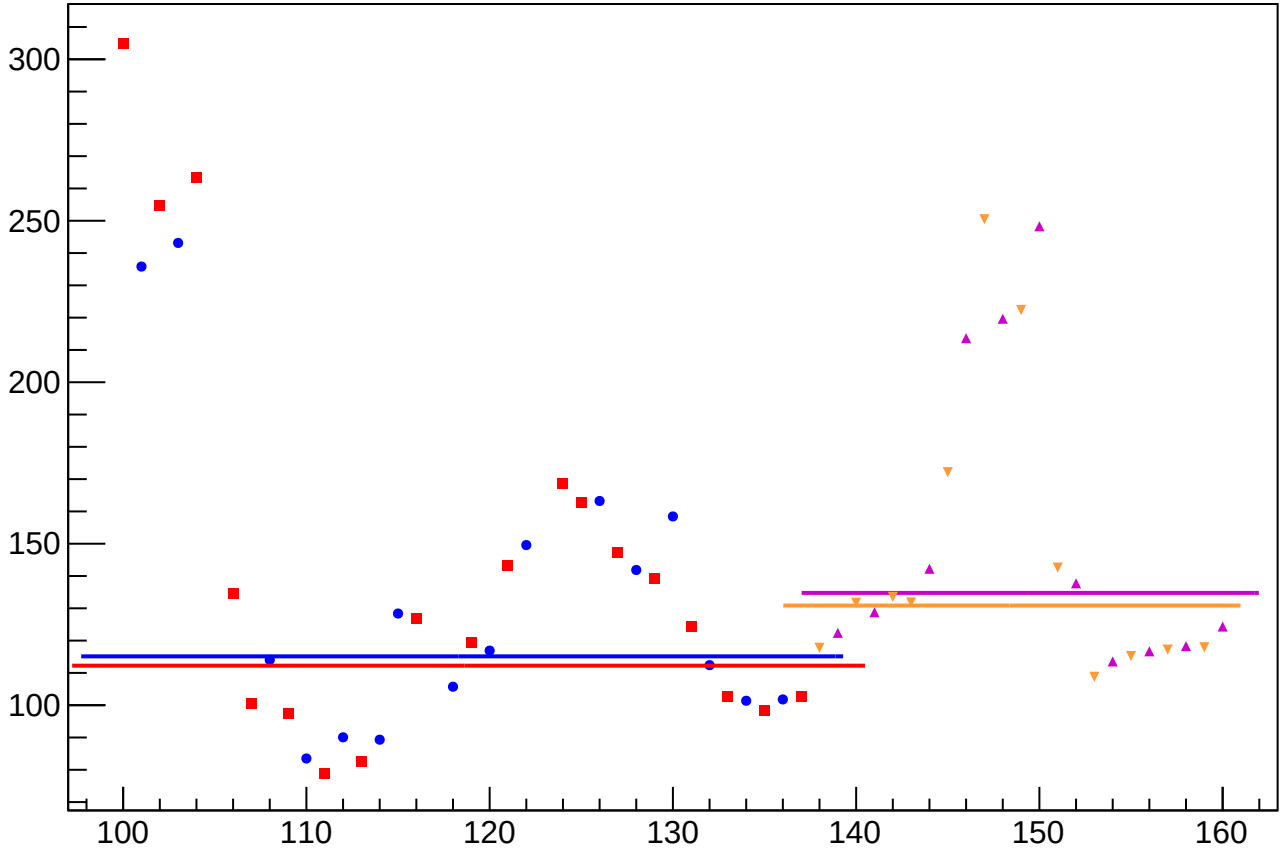
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3505.472+/-32.367 χ^2/NDF:71056.3/26

Out: -2464.338+/-31.227 χ^2/NDF:16358.6/30

All: -2966.244+/-22.473 χ^2/NDF: 87950.8/57

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: 134.770+/-0.032 χ^2/NDF:1020894.3/10

Left: 132.746+/-0.022 χ^2/NDF: 1943486.8/22

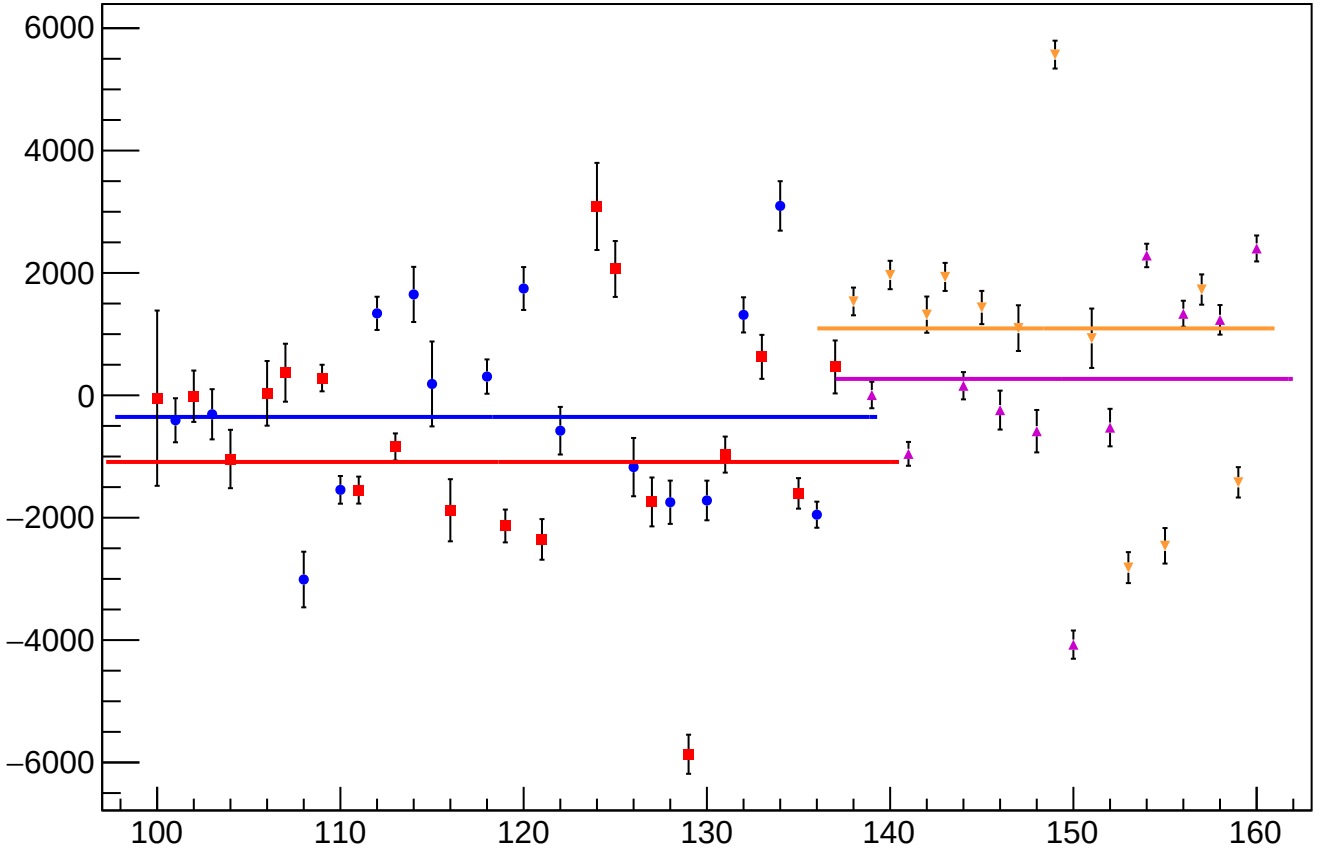
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 125.014+/-0.023 χ^2/NDF:2318045.8/26

Out: 121.589+/-0.022 χ^2/NDF:2420849.9/30

All: 123.240+/-0.016 χ^2/NDF: 4750492.8/57

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: 268.191+/-70.001 χ^2/NDF:663.8/10

Left: 646.467+/-51.518 χ^2/NDF: 1644.7/22

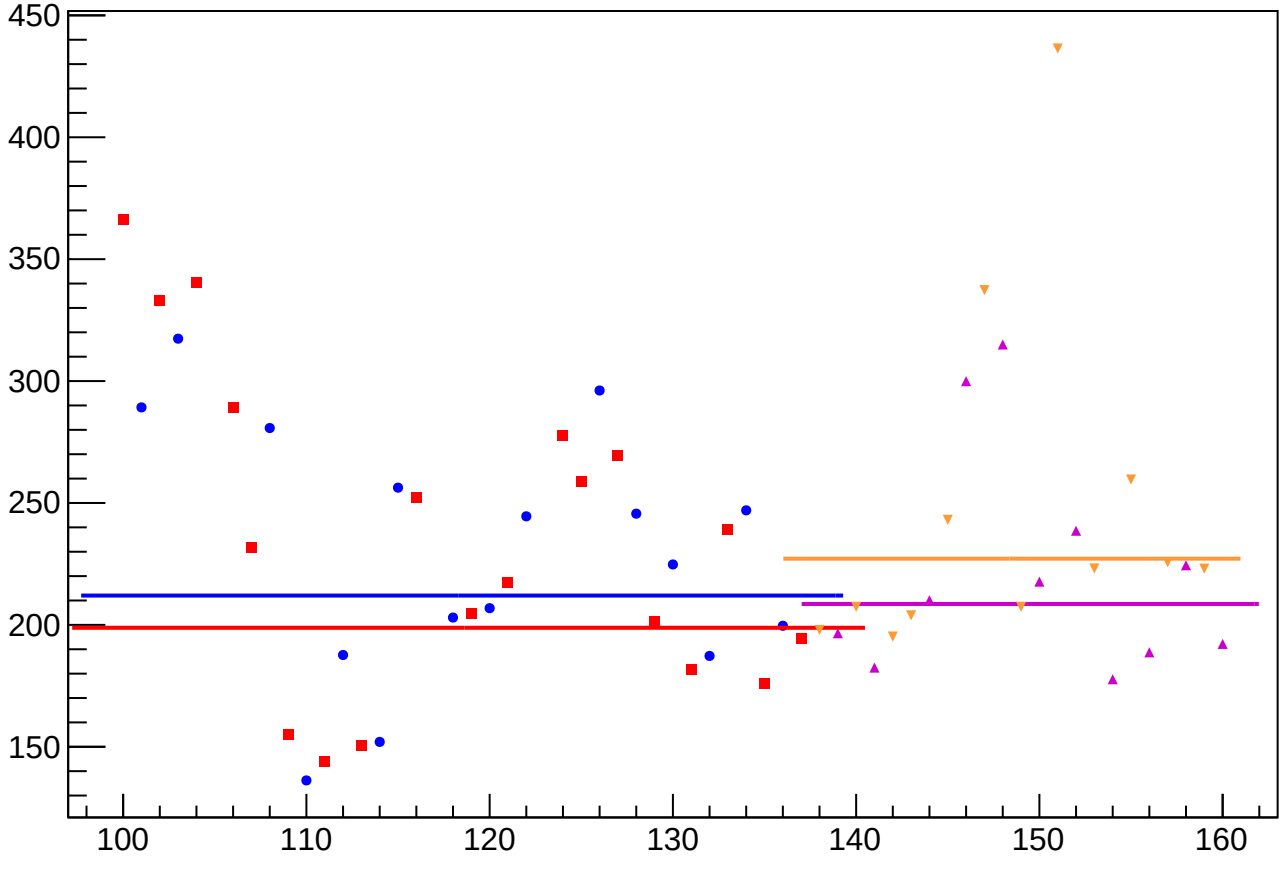
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 6.777+/-53.277 χ^2/NDF:1058.8/26

Out: 7.360+/-53.930 χ^2/NDF:1773.7/30

All: 7.065+/-37.901 χ^2/NDF: 2832.4/57

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: 208.579+/-0.049 χ^2/NDF:507761.9/10

Left: 217.100+/-0.036 χ^2/NDF: 1257407.2/22

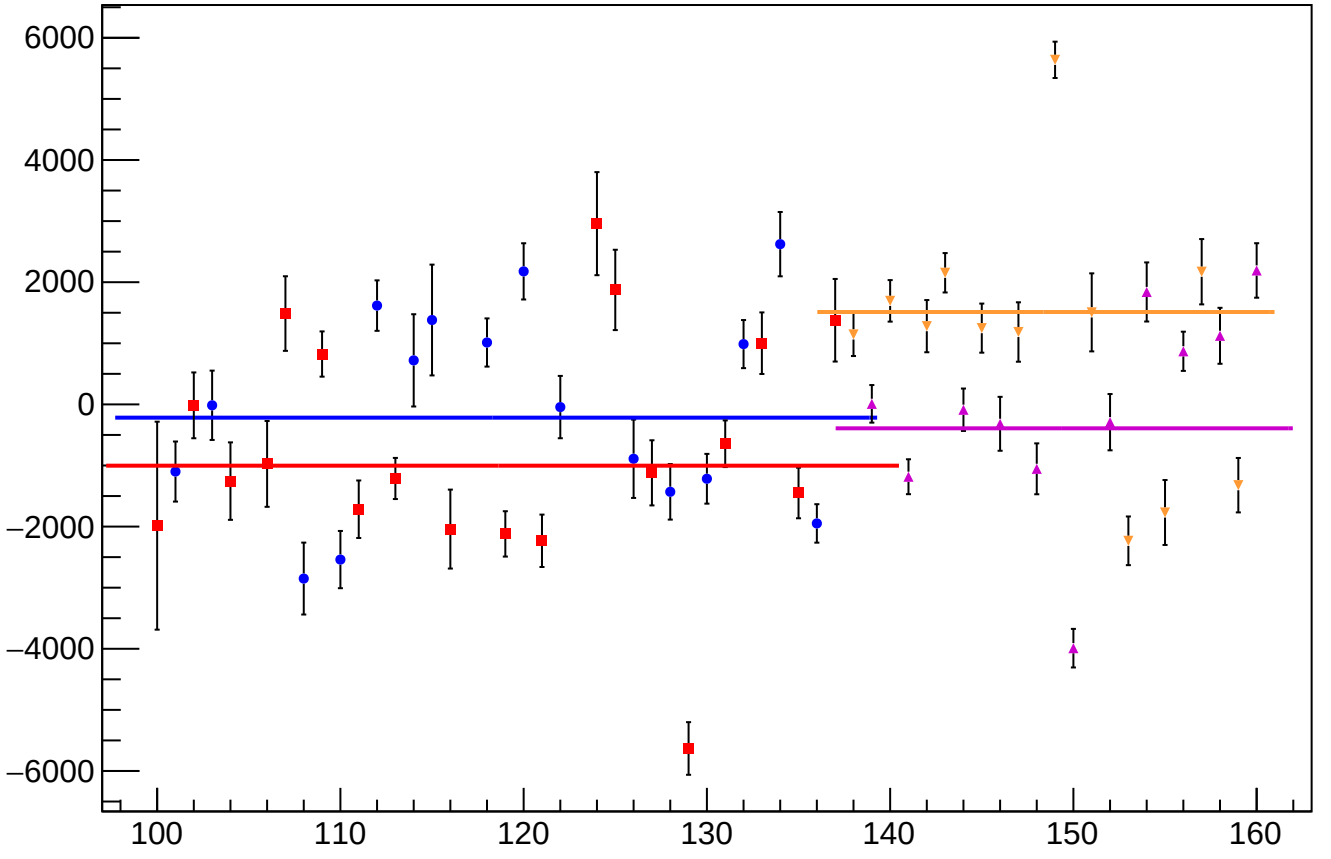
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 210.030+/-0.038 χ^2/NDF:1200161.6/26

Out: 213.054+/-0.038 χ^2/NDF:1798183.0/30

All: 211.524+/-0.027 χ^2/NDF: 3001526.6/57

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: -391.514+/-111.427 χ^2/NDF:223.8/10

Left: 522.205+/-80.356 χ^2/NDF: 731.6/22

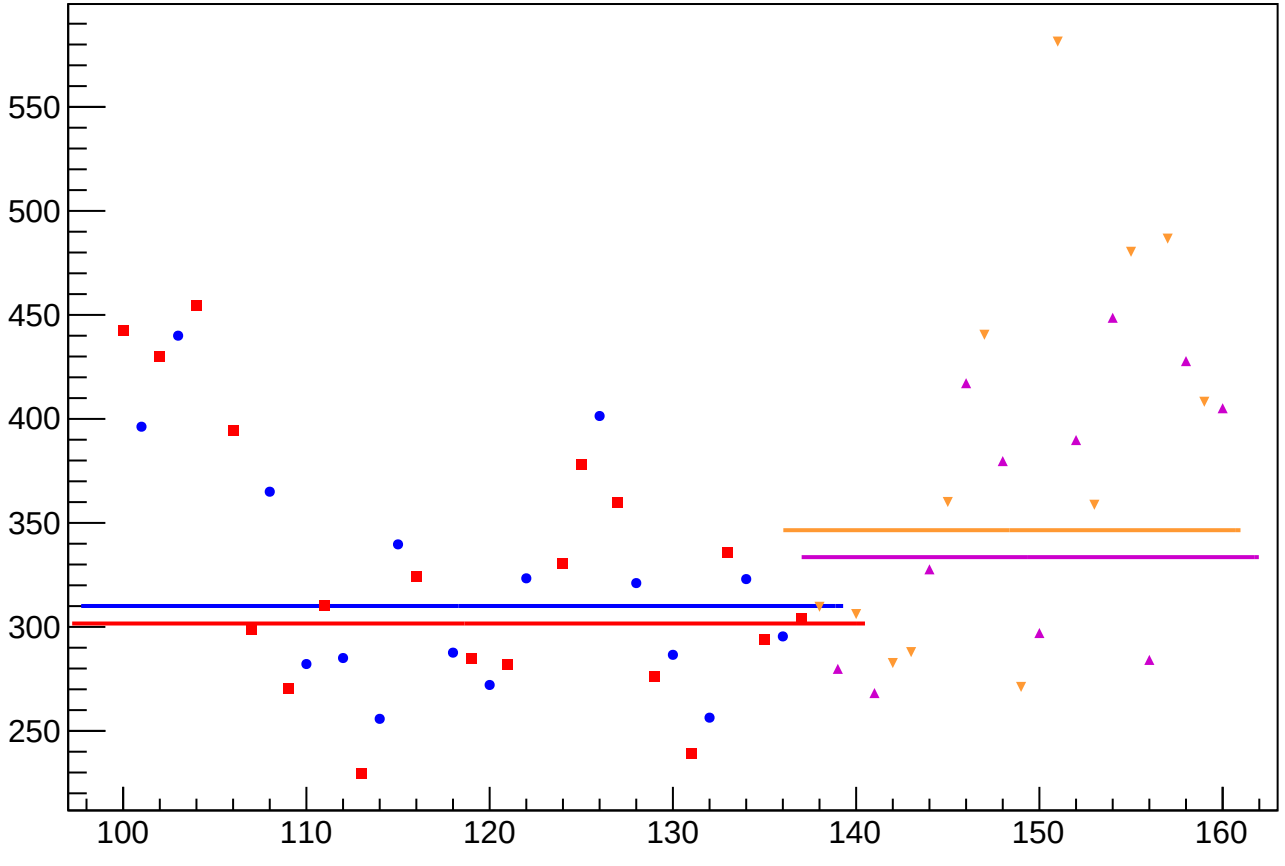
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -309.146+/-80.978 χ^2/NDF:417.1/26

Out: 223.016+/-80.980 χ^2/NDF:863.1/30

All: -43.072+/-57.261 χ^2/NDF: 1301.9/57

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: 333.550+/-0.079 χ^2/NDF:615978.0/10

Left: 339.764+/-0.057 χ^2/NDF: 1570367.1/22

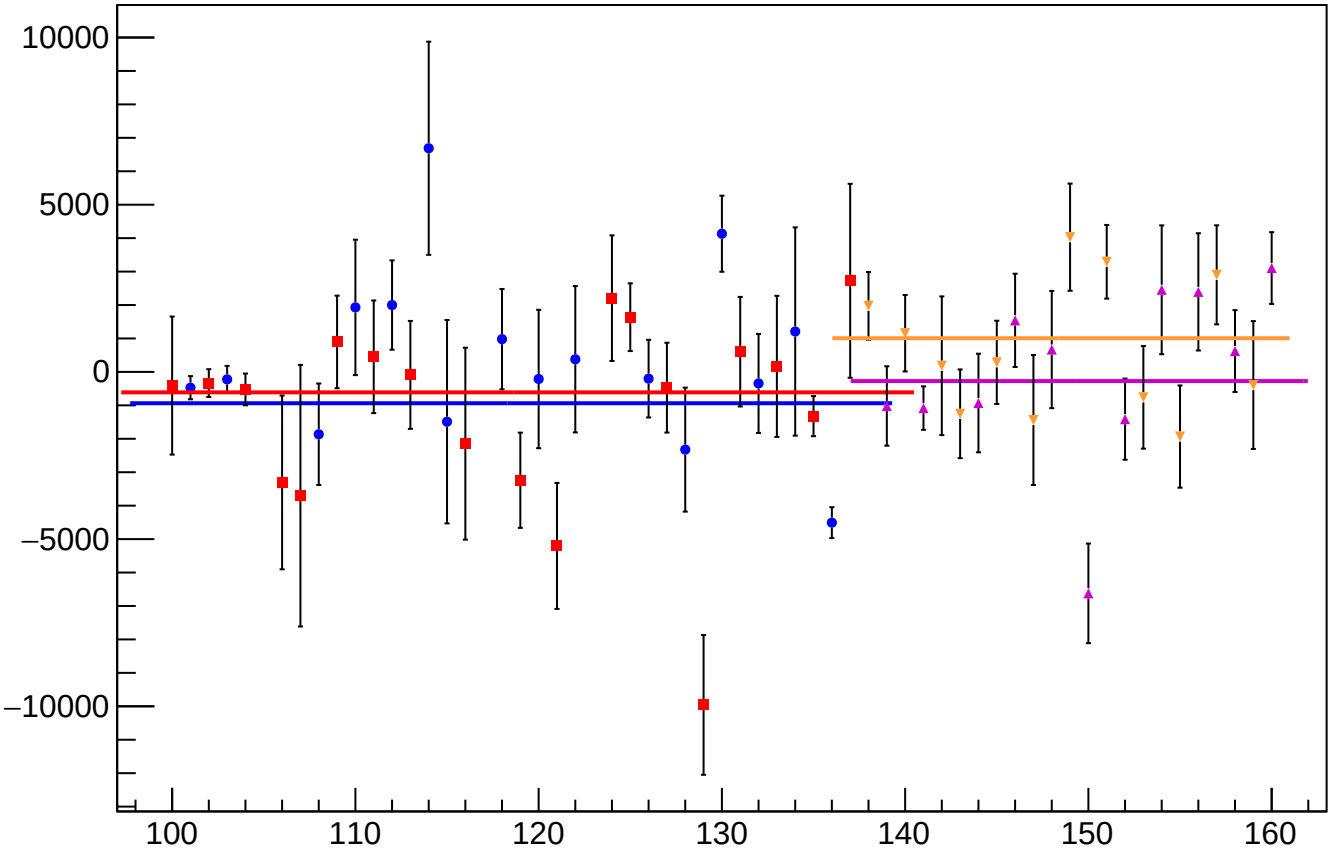
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 322.467+/-0.057 χ^2/NDF:981193.0/26

Out: 323.504+/-0.057 χ^2/NDF:1614665.9/30

All: 322.985+/-0.040 χ^2/NDF: 2596022.9/57

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: -273.900+/-361.848 χ^2/NDF:37.9/10

Left: 302.524+/-268.363 χ^2/NDF: 64.6/22

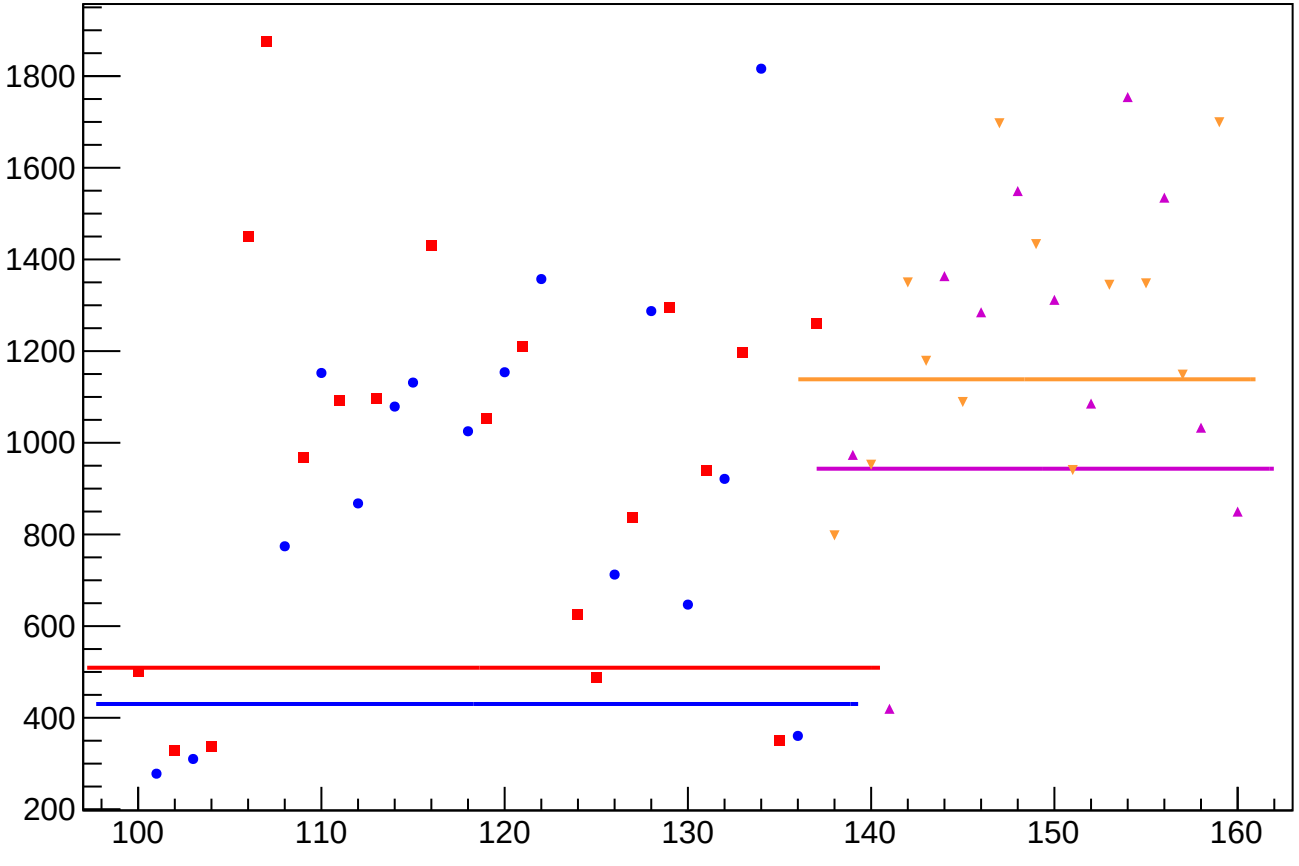
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -776.181+/-178.178 χ^2/NDF:141.7/26

Out: -201.275+/-201.435 χ^2/NDF:77.3/30

All: -523.819+/-133.460 χ^2/NDF: 223.6/57

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: 943.418+/-0.256 χ^2/NDF:2578092.4/10

Left: 1031.193+/-0.190 χ^2/NDF: 3688308.5/22

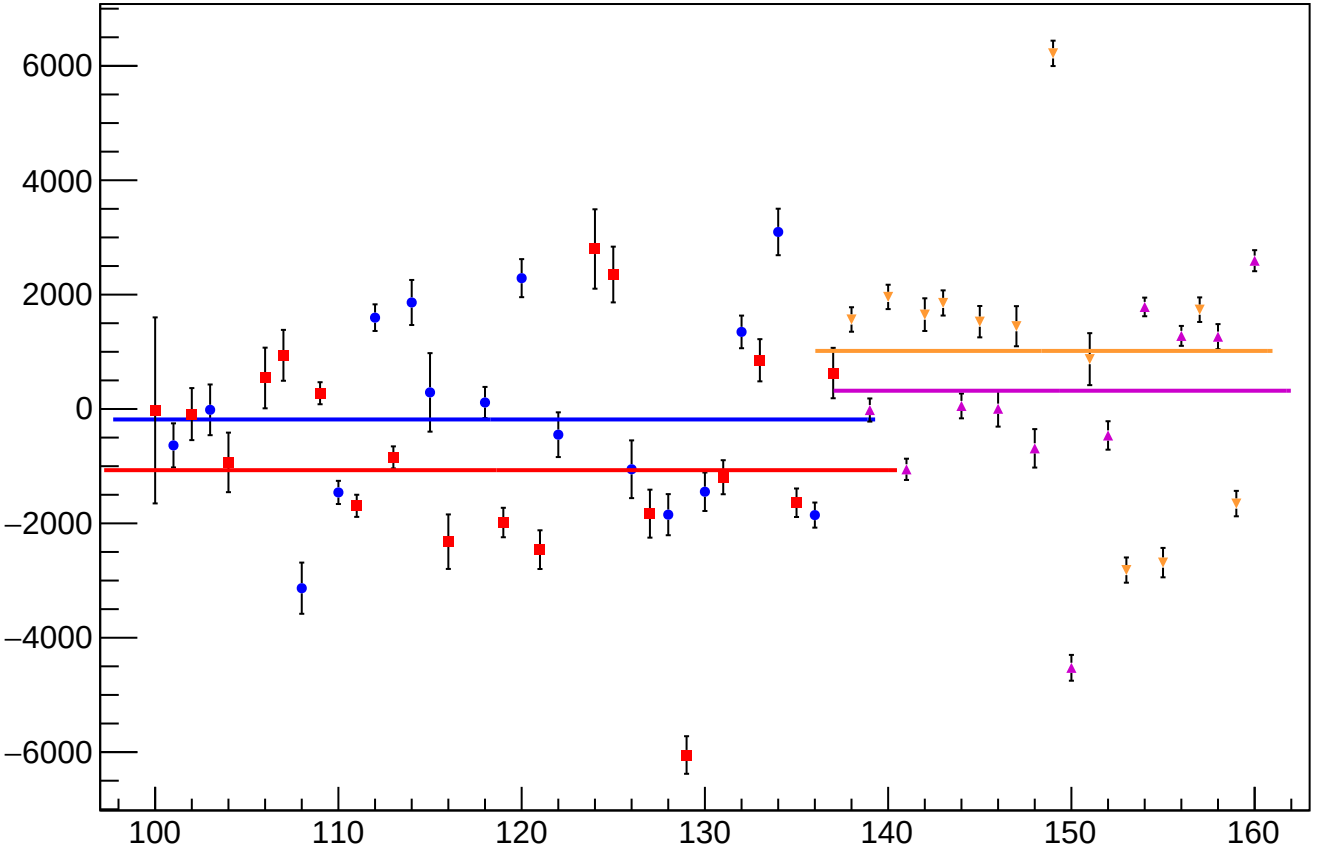
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 554.571+/-0.126 χ^2/NDF:9148785.2/26

Out: 668.761+/-0.142 χ^2/NDF:8215569.8/30

All: 604.696+/-0.094 χ^2/NDF: 17724936.5/57

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: 319.469+/-63.207 χ^2/NDF:822.4/10

Left: 629.404+/-47.080 χ^2/NDF: 2141.3/22

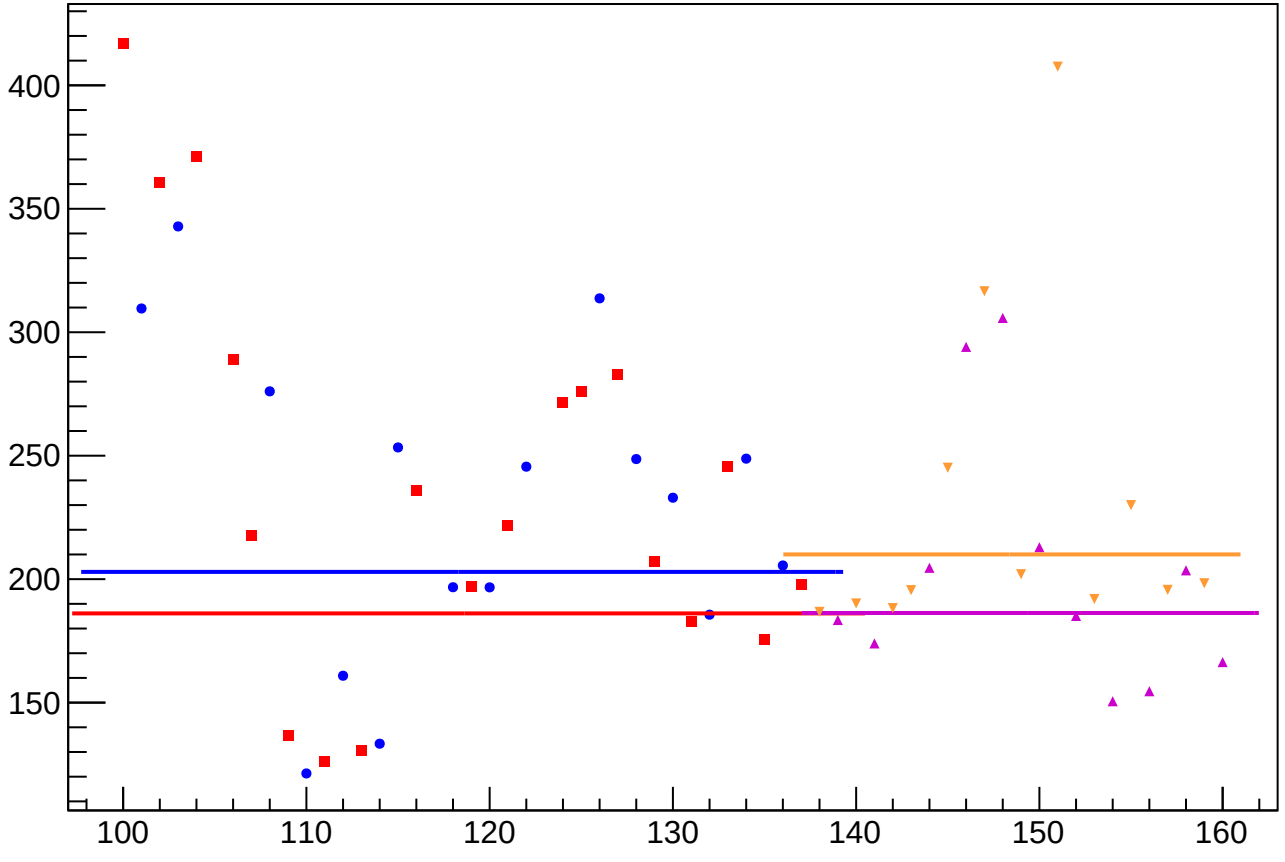
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 125.943+/-49.563 χ^2/NDF:1264.5/26

Out: 9.248+/-50.755 χ^2/NDF:2178.7/30

All: 68.982+/-35.460 χ^2/NDF: 3445.9/57

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: 186.302+/-0.045 χ^2/NDF:738351.2/10

Left: 196.861+/-0.033 χ^2/NDF: 1562740.6/22

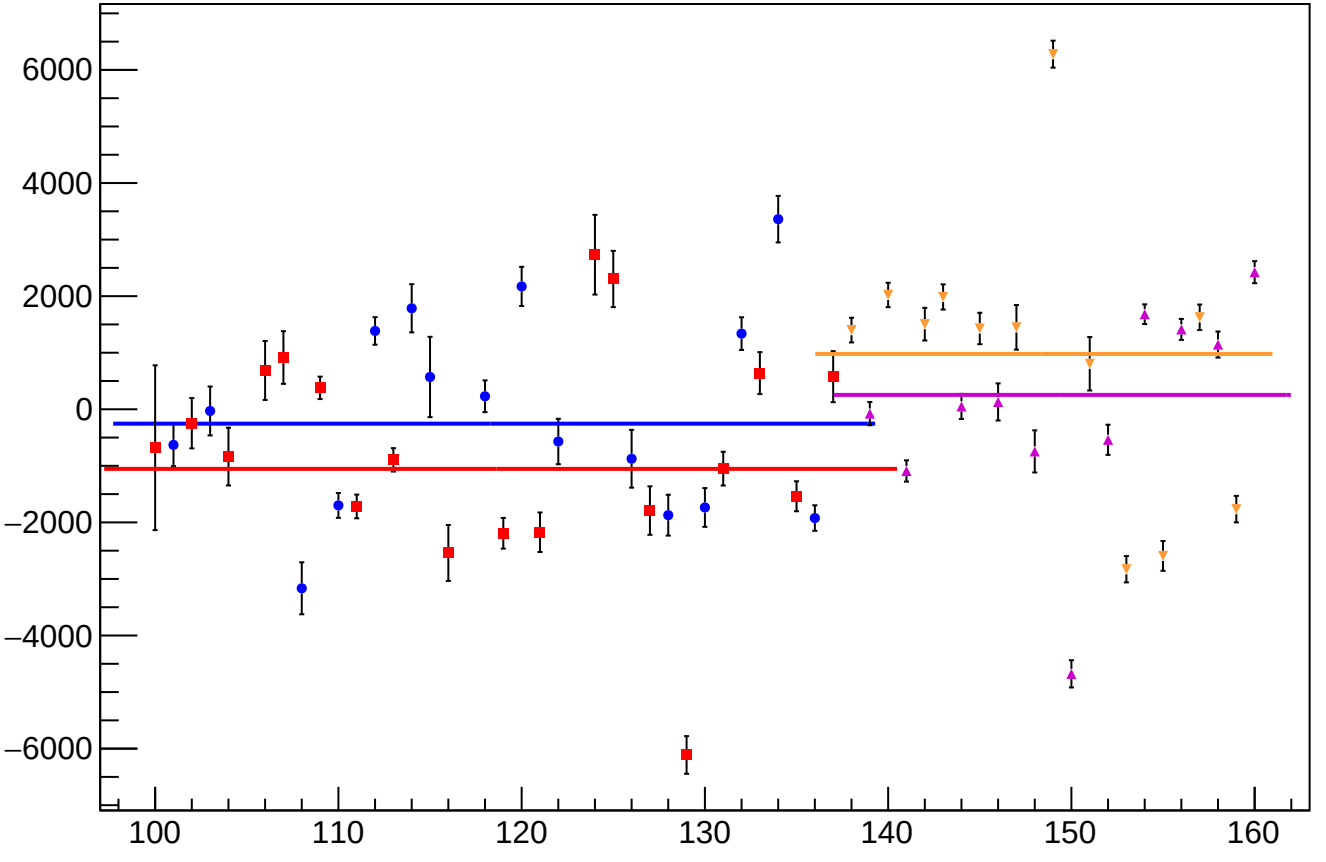
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 192.710+/-0.035 χ^2/NDF:1863593.9/26

Out: 198.490+/-0.036 χ^2/NDF:2291328.7/30

All: 195.532+/-0.025 χ^2/NDF: 4168200.6/57

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: 254.388+/-66.367 χ^2/NDF:734.6/10

Left: 581.166+/-49.152 χ^2/NDF: 1932.6/22

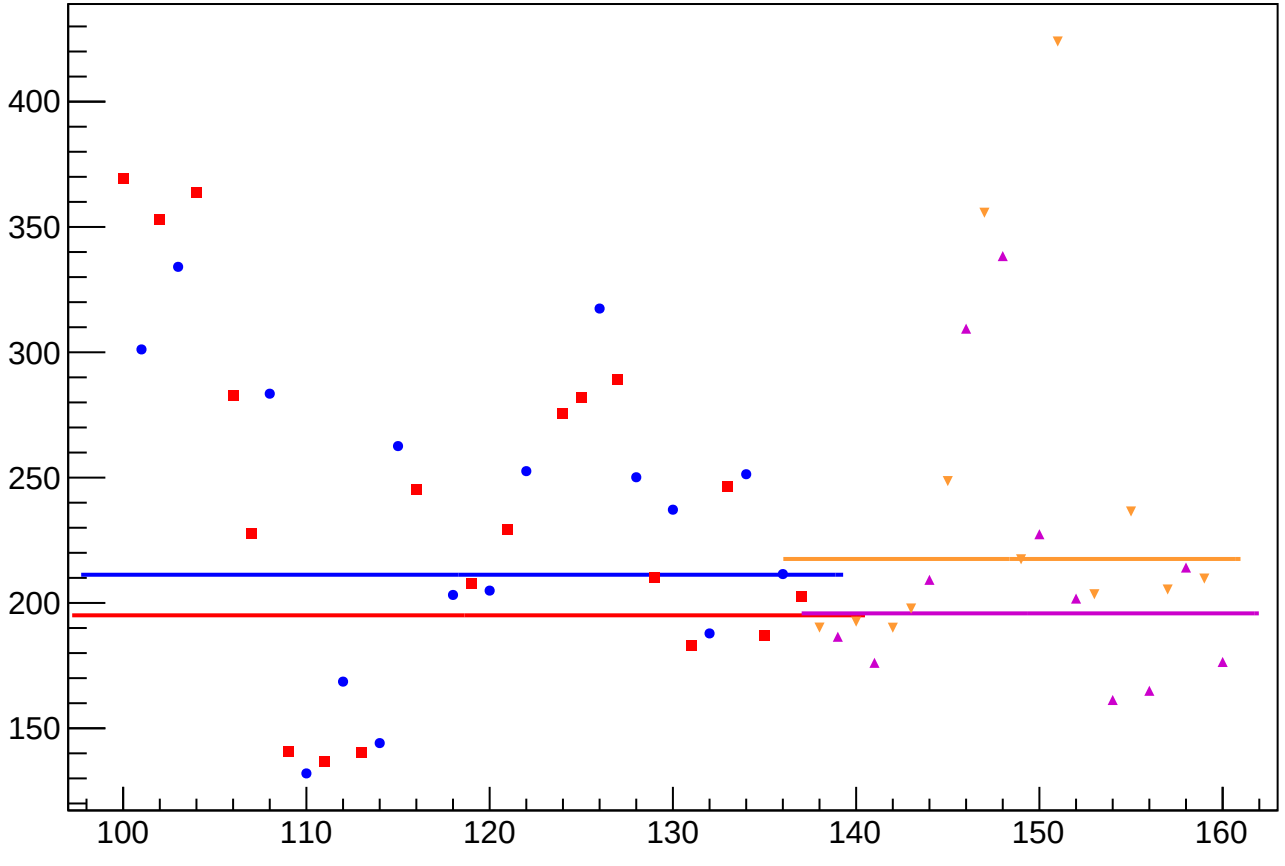
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 54.433+/-51.709 χ^2/NDF:1167.0/26

Out: 0.625+/-52.693 χ^2/NDF:1993.2/30

All: 28.036+/-36.907 χ^2/NDF: 3160.7/57

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: 195.842+/-0.047 χ^2/NDF:766823.9/10

Left: 205.643+/-0.035 χ^2/NDF: 1633814.6/22

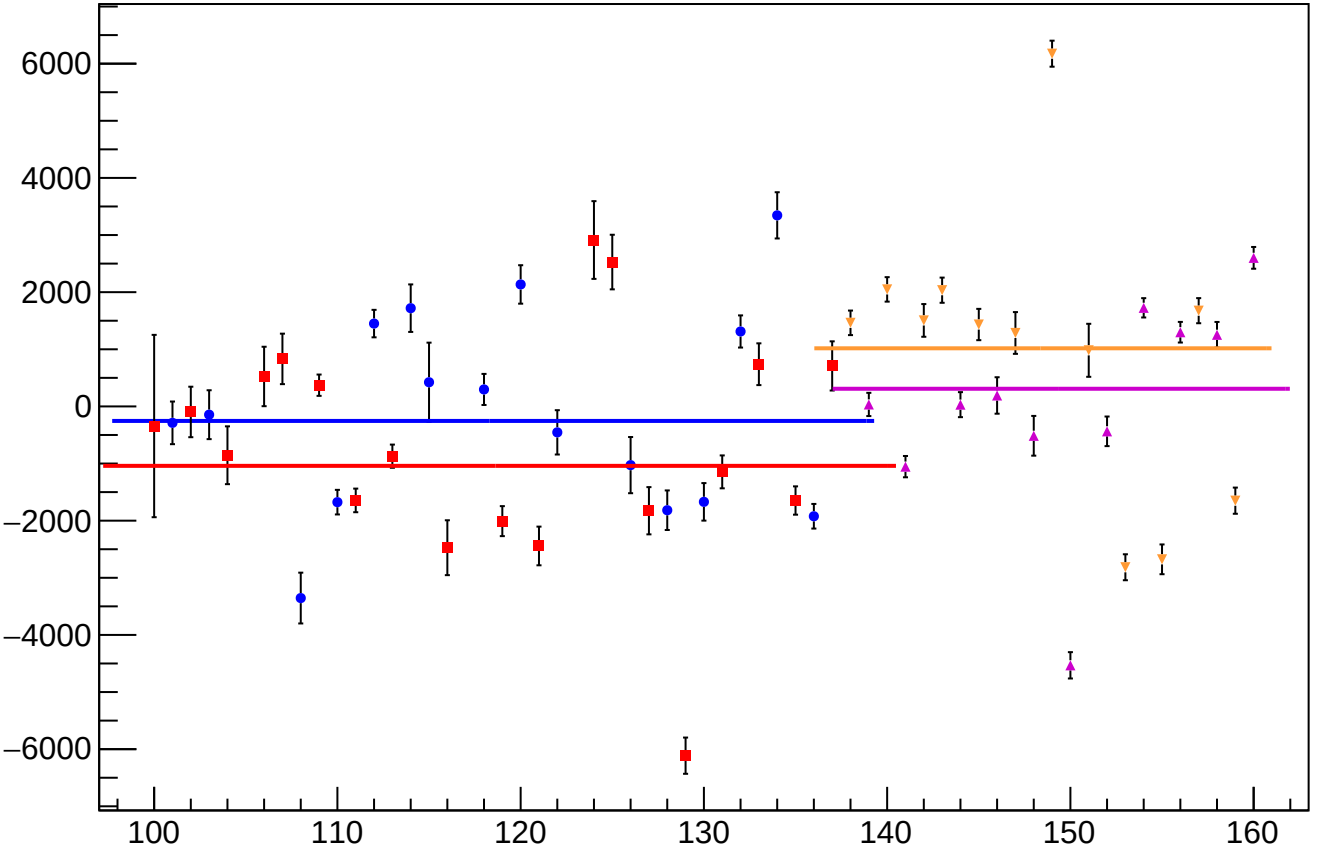
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 201.898+/-0.037 χ^2/NDF:1693564.6/26

Out: 206.730+/-0.037 χ^2/NDF:2146208.9/30

All: 204.268+/-0.026 χ^2/NDF: 3848340.1/57

asym_bpm0l06WS_mean vs Slug, Sign Corrected



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: 309.037+/-64.736 χ^2/NDF:774.4/10

Left: 627.370+/-48.035 χ^2/NDF: 2024.8/22

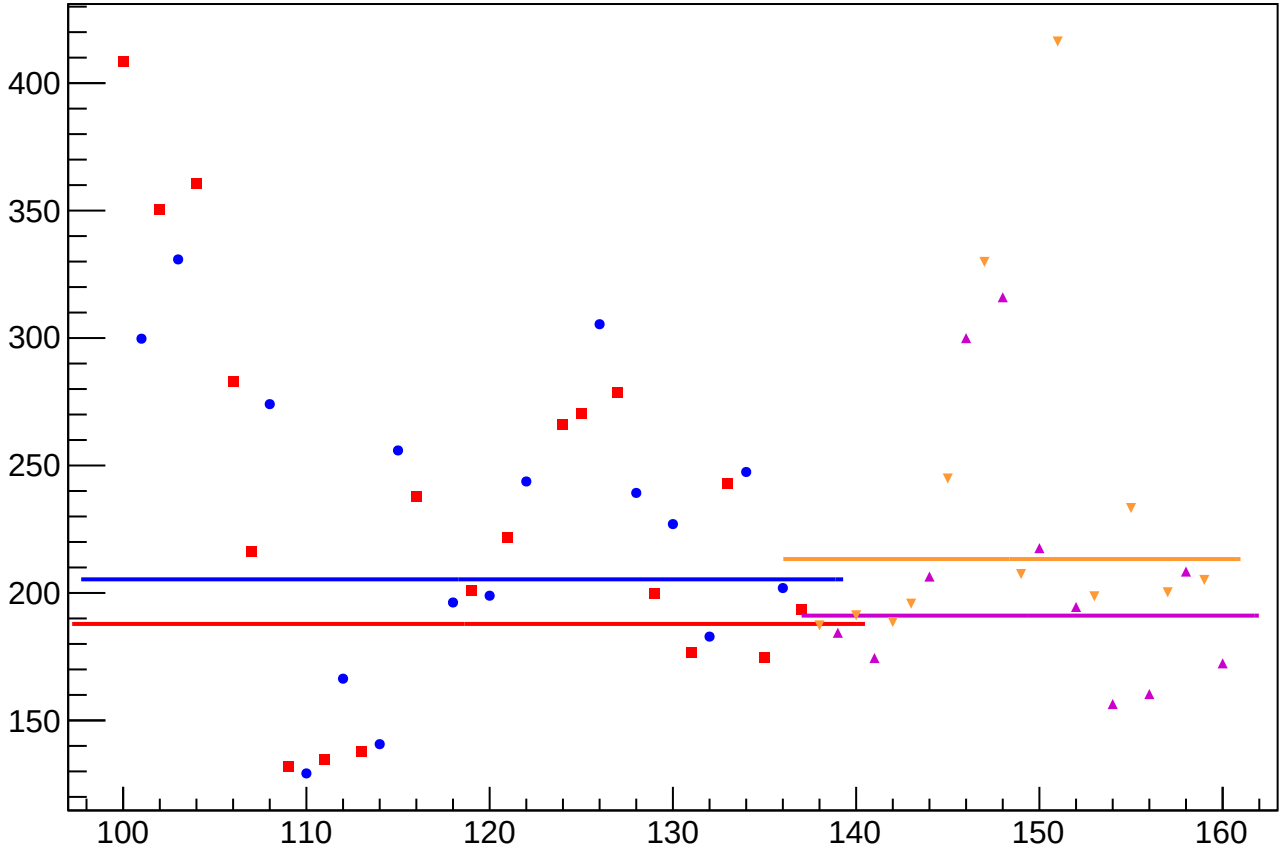
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 86.974+/-50.379 χ^2/NDF:1236.3/26

Out: 12.777+/-51.260 χ^2/NDF:2132.6/30

All: 50.518+/-35.931 χ^2/NDF: 3370.0/57

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: 191.109+/-0.046 χ^2/NDF:718490.5/10

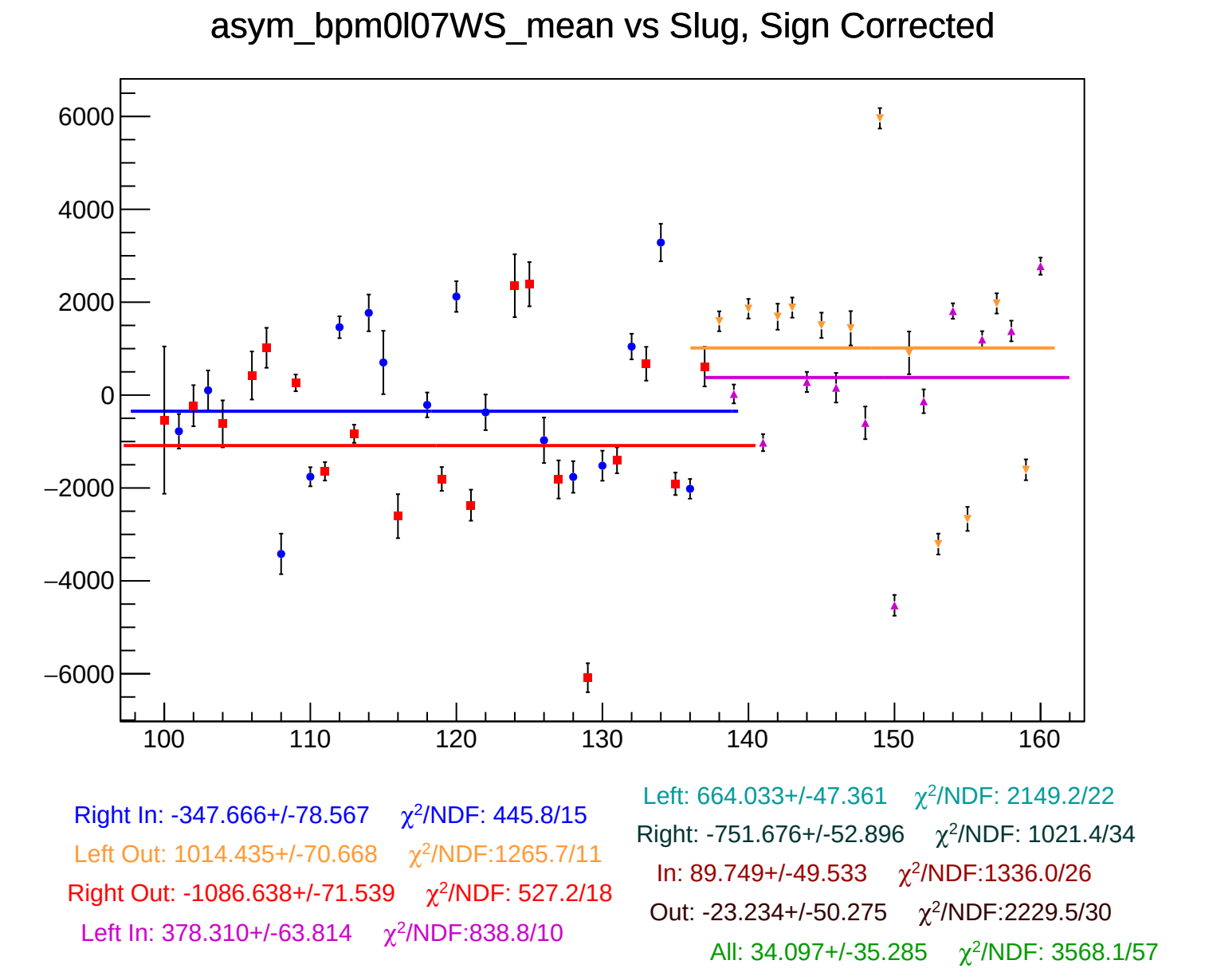
Left: 201.084+/-0.034 χ^2/NDF: 1546102.1/22

Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

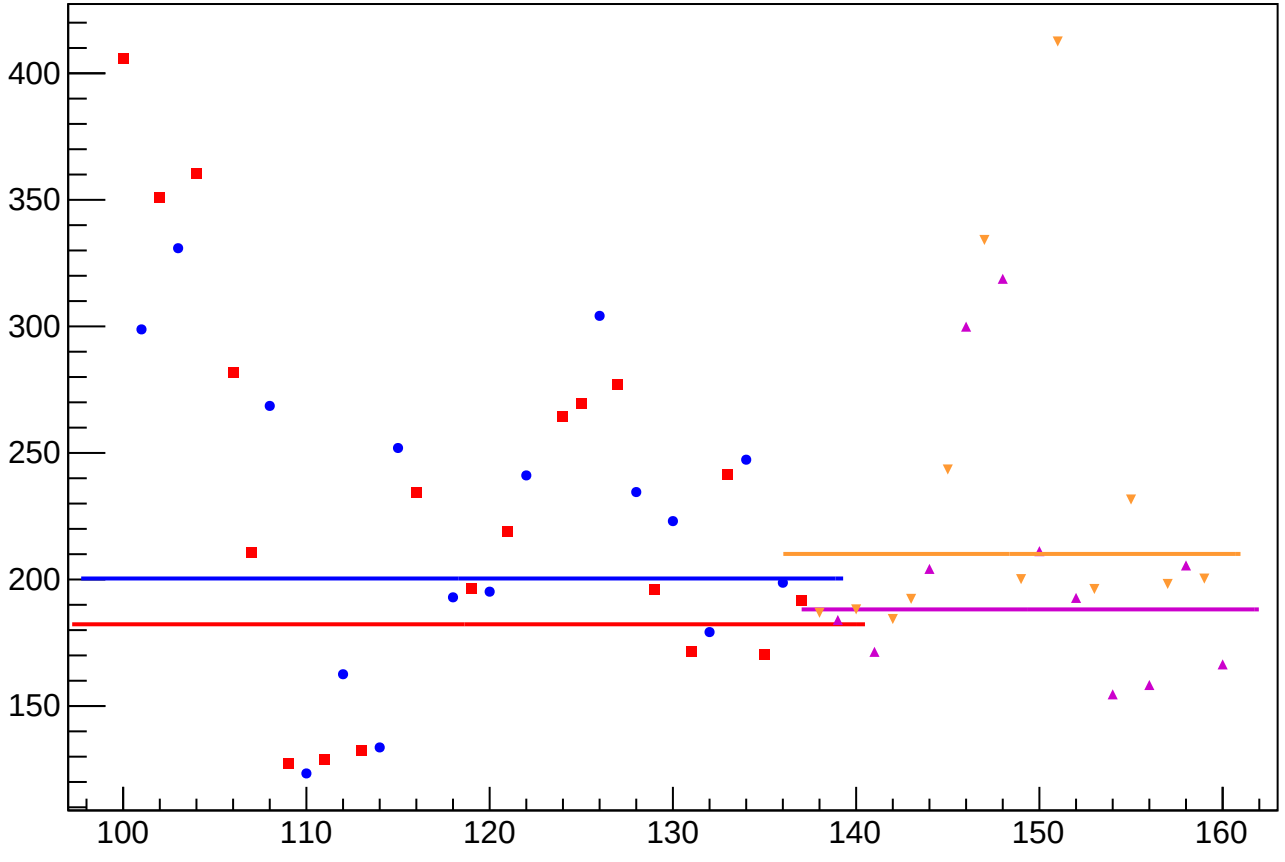
In: 196.722+/-0.036 χ^2/NDF:1634014.7/26

Out: 200.877+/-0.036 χ^2/NDF:2182236.9/30

All: 198.763+/-0.025 χ^2/NDF: 3822936.7/57


asym_bpm0l07WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -347.666+/-78.567 χ²/NDF: 445.8/15
Left Out: 1014.435+/-70.668 χ²/NDF:1265.7/11
Right Out: -1086.638+/-71.539 χ²/NDF: 527.2/18
Left In: 378.310+/-63.814 χ²/NDF:838.8/10
Left: 664.033+/-47.361 χ²/NDF: 2149.2/22
Right: -751.676+/-52.896 χ²/NDF: 1021.4/34
In: 89.749+/-49.533 χ²/NDF:1336.0/26
Out: -23.234+/-50.275 χ²/NDF:2229.5/30
All: 34.097+/-35.285 χ²/NDF: 3568.1/57

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: 188.183+/-0.045 χ^2/NDF:749409.7/10

Left: 198.028+/-0.033 χ^2/NDF: 1607698.0/22

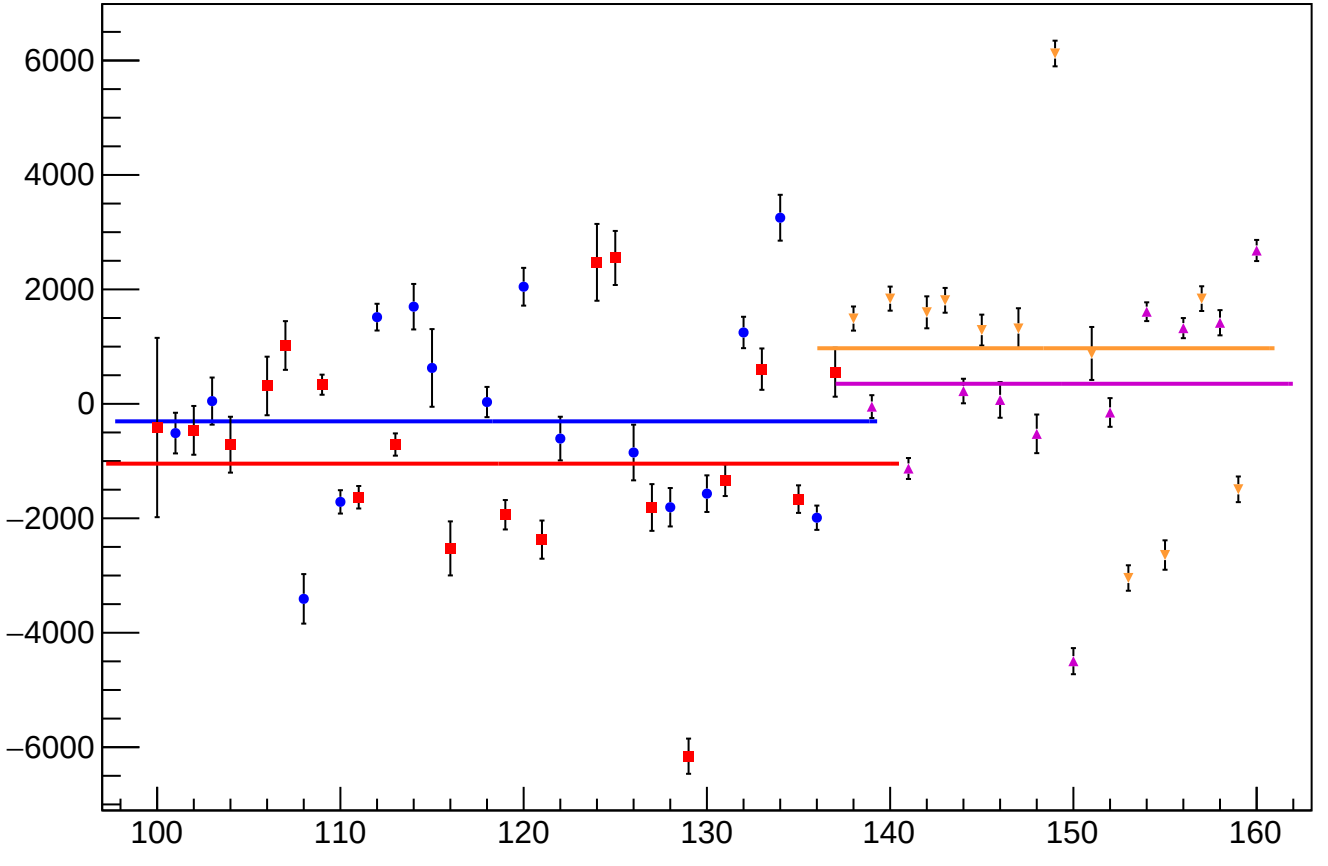
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 193.038+/-0.035 χ^2/NDF:1737543.0/26

Out: 196.372+/-0.036 χ^2/NDF:2352360.5/30

All: 194.680+/-0.025 χ^2/NDF: 4094365.3/57

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: 350.985+/-63.211 χ^2/NDF:804.8/10

Left: 628.287+/-47.017 χ^2/NDF: 2080.7/22

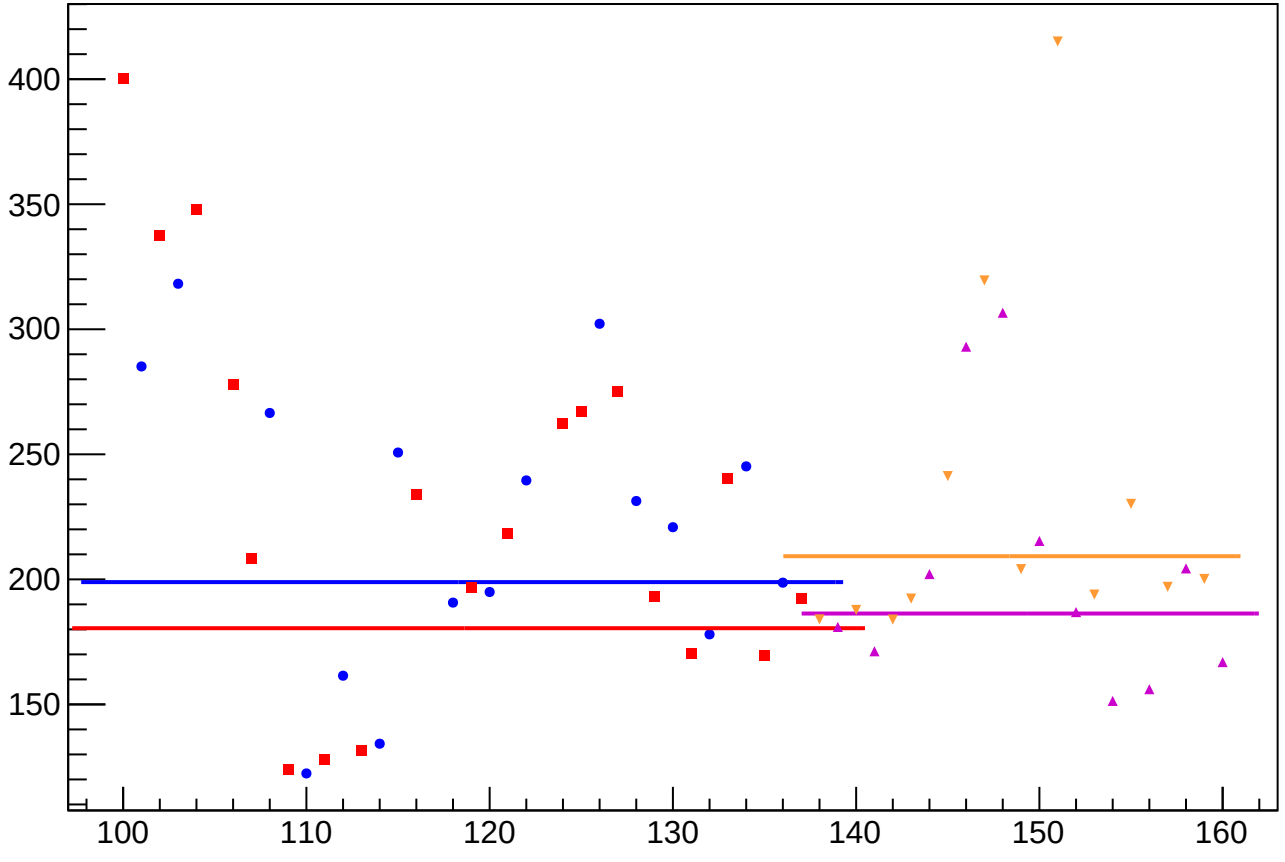
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 90.160+/-49.077 χ^2/NDF:1299.4/26

Out: -29.873+/-49.910 χ^2/NDF:2193.2/30

All: 31.154+/-34.993 χ^2/NDF: 3495.6/57

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: 186.342+/-0.045 χ^2/NDF:731527.4/10

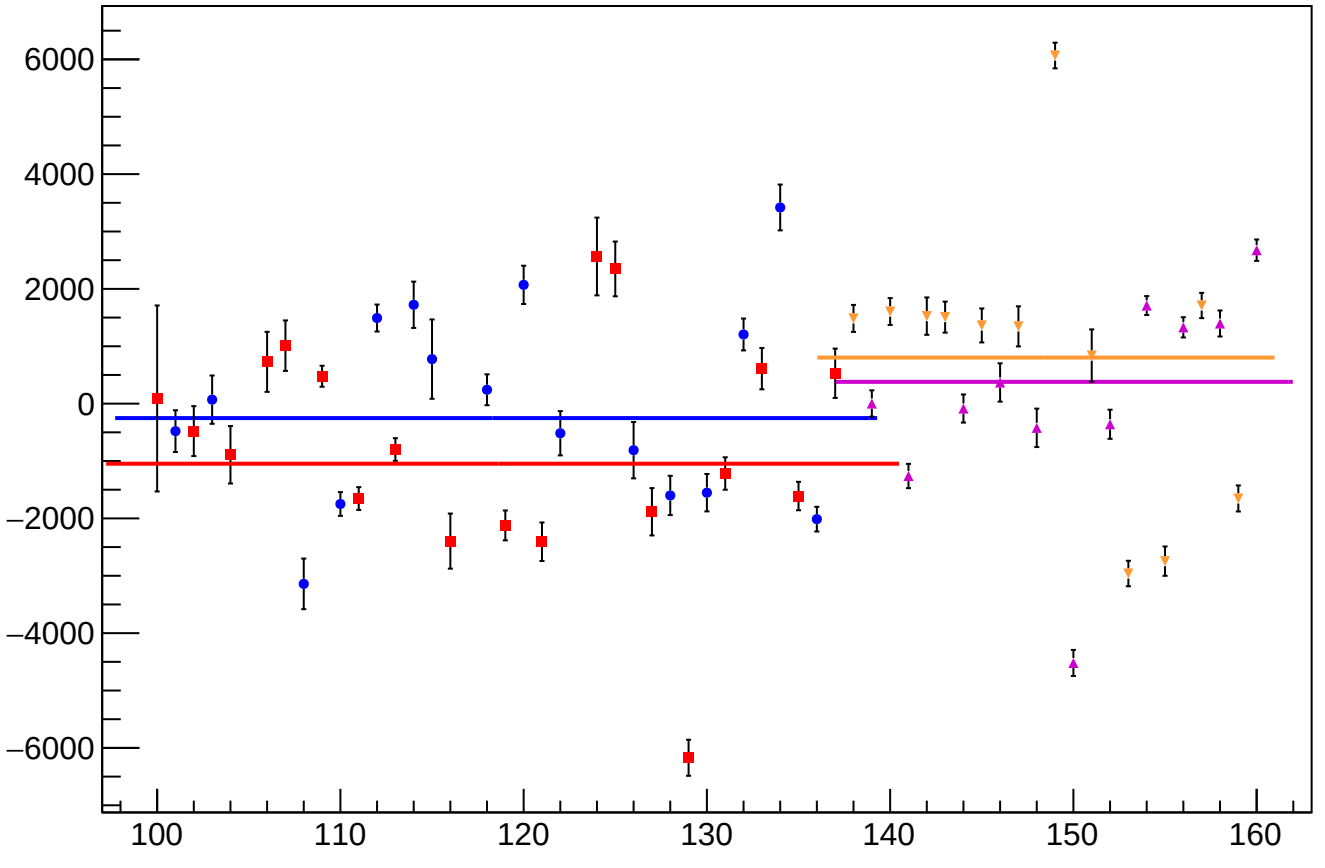
Left: 196.581+/-0.033 χ^2/NDF: 1578062.6/22

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 191.331+/-0.035 χ^2/NDF:1675661.5/26

Out: 194.964+/-0.035 χ^2/NDF:2329855.2/30

All: 193.117+/-0.025 χ^2/NDF: 4010905.2/57



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: 379.874+/-66.232 χ^2/NDF:811.8/10

Left: 566.227+/-49.548 χ^2/NDF: 2034.2/22

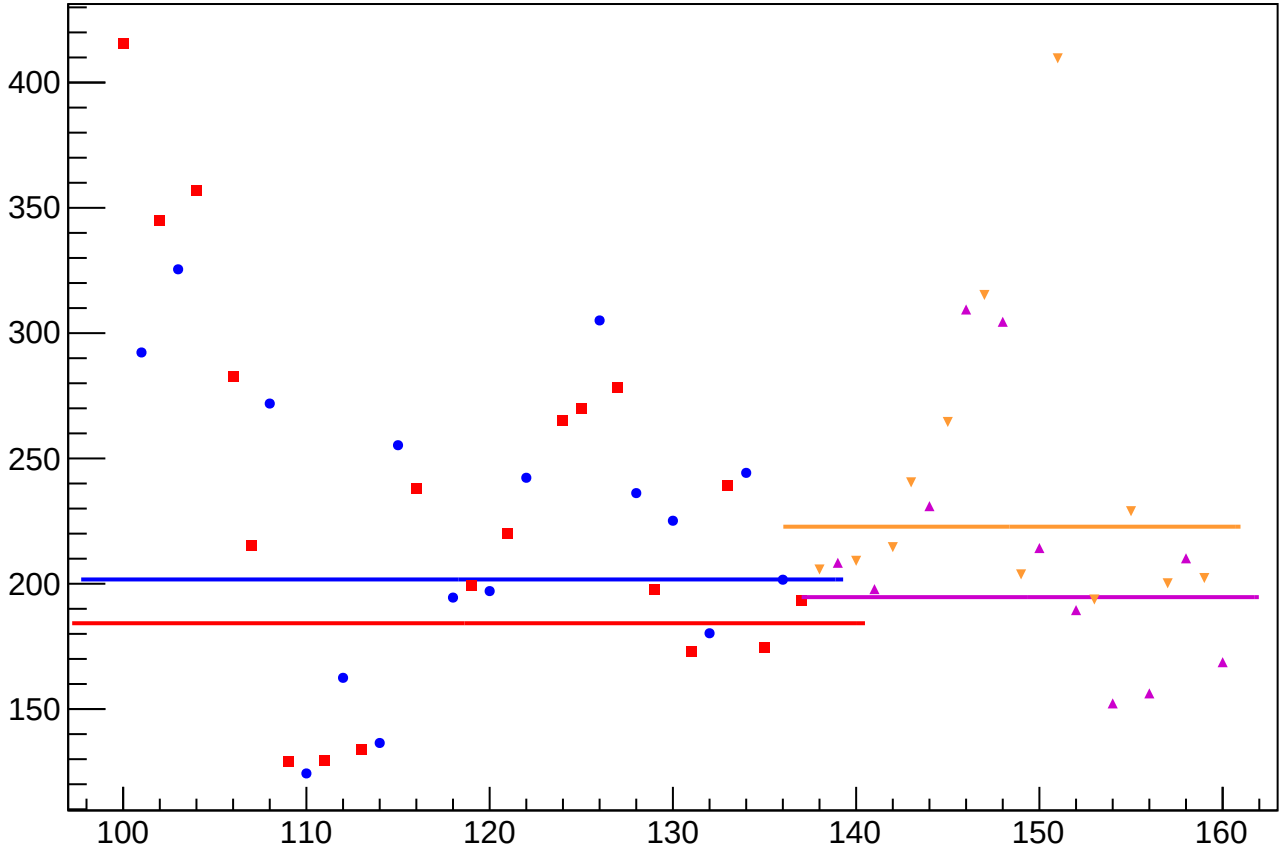
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 119.045+/-50.748 χ^2/NDF:1290.6/26

Out: -153.213+/-51.899 χ^2/NDF:2068.5/30

All: -14.031+/-36.284 χ^2/NDF: 3373.2/57

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: 194.661+/-0.047 χ^2/NDF:793940.4/10

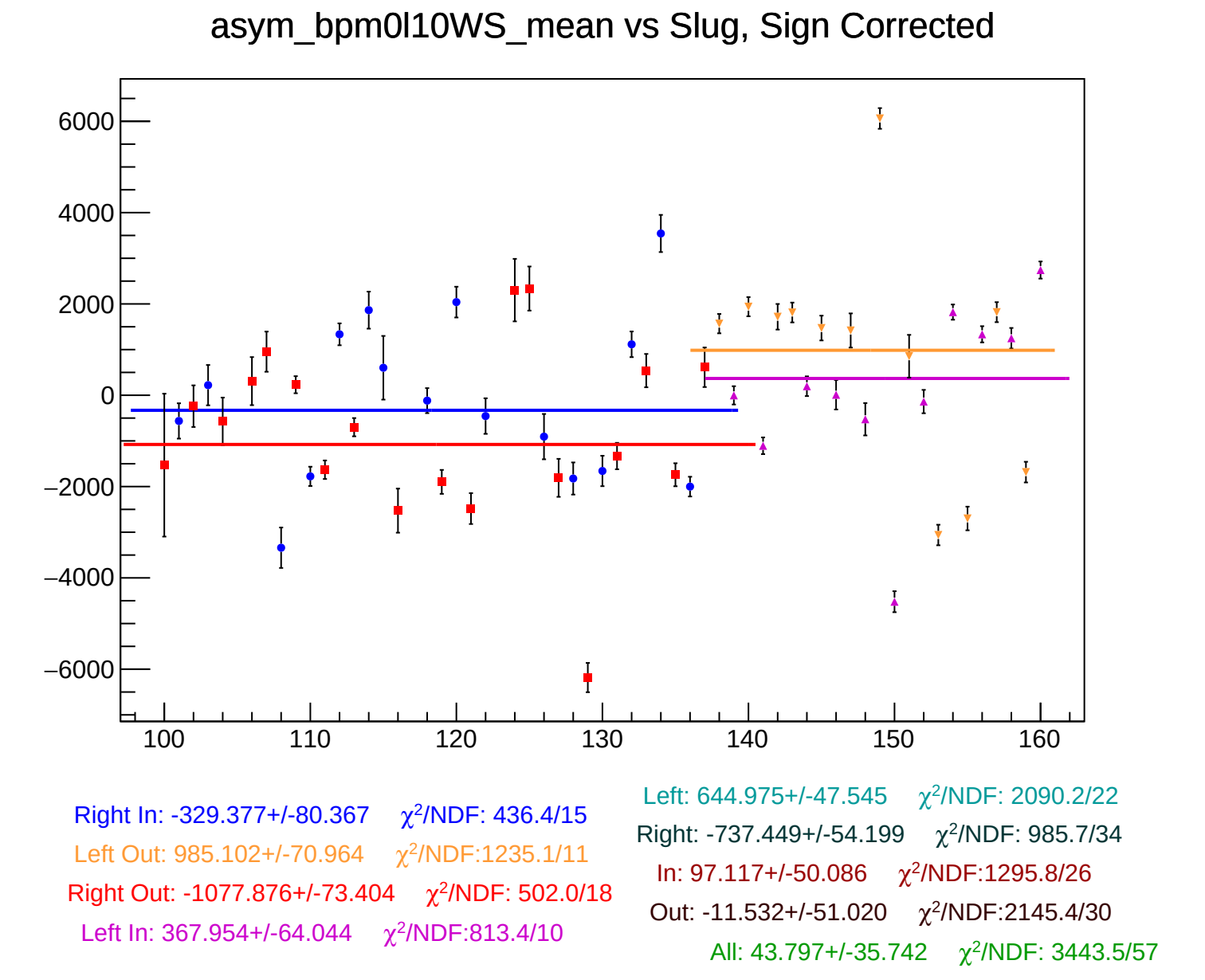
Left: 207.039+/-0.035 χ^2/NDF: 1581773.5/22

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

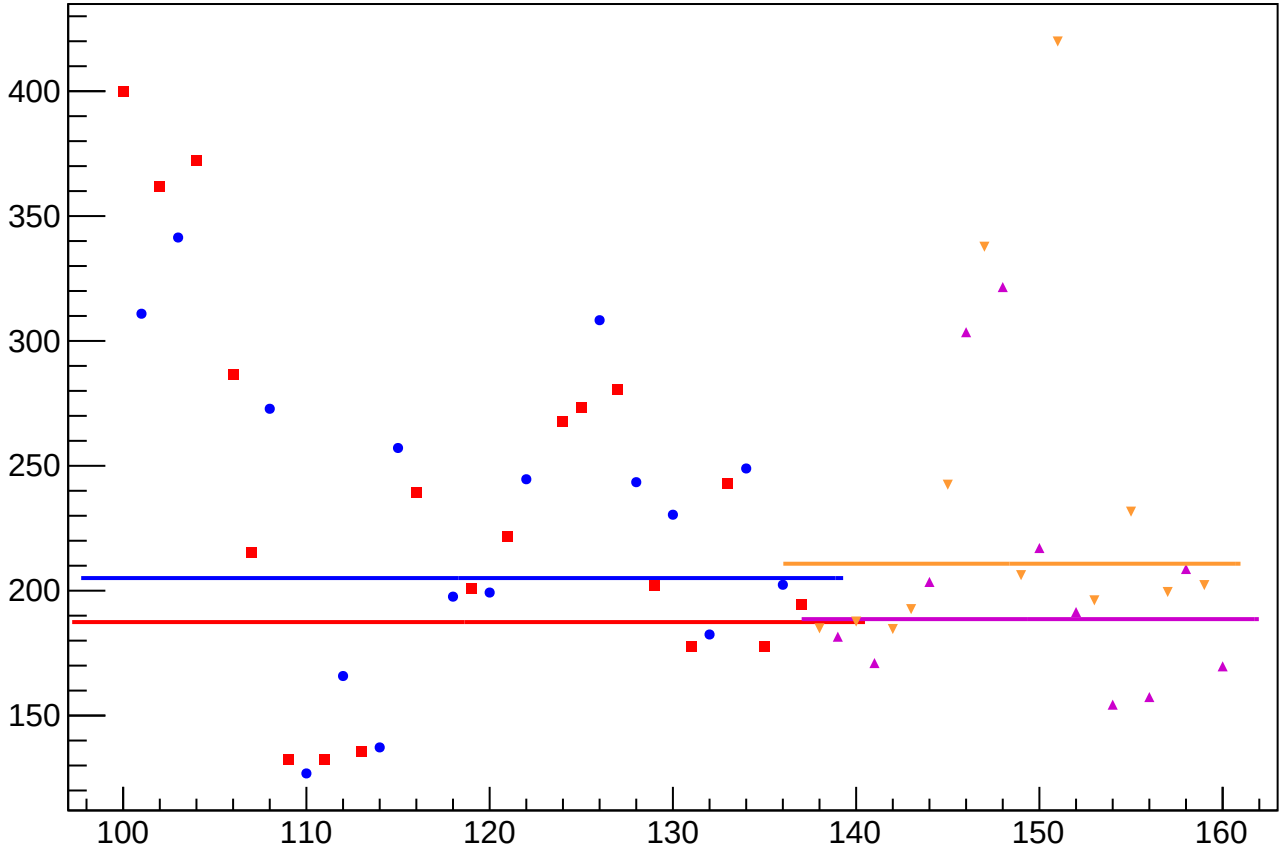
In: 197.573+/-0.036 χ^2/NDF:1727514.4/26

Out: 202.858+/-0.037 χ^2/NDF:2308174.1/30

All: 200.156+/-0.026 χ^2/NDF: 4046289.1/57


asym_bpm0l10WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -329.377+/-80.367 χ²/NDF: 436.4/15
Left Out: 985.102+/-70.964 χ²/NDF:1235.1/11
Right Out: -1077.876+/-73.404 χ²/NDF: 502.0/18
Left In: 367.954+/-64.044 χ²/NDF:813.4/10
Left: 644.975+/-47.545 χ²/NDF: 2090.2/22
Right: -737.449+/-54.199 χ²/NDF: 985.7/34
In: 97.117+/-50.086 χ²/NDF:1295.8/26
Out: -11.532+/-51.020 χ²/NDF:2145.4/30
All: 43.797+/-35.742 χ²/NDF: 3443.5/57

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: 188.617+/-0.045 χ^2/NDF:778542.0/10

Left: 198.573+/-0.034 χ^2/NDF: 1658528.6/22

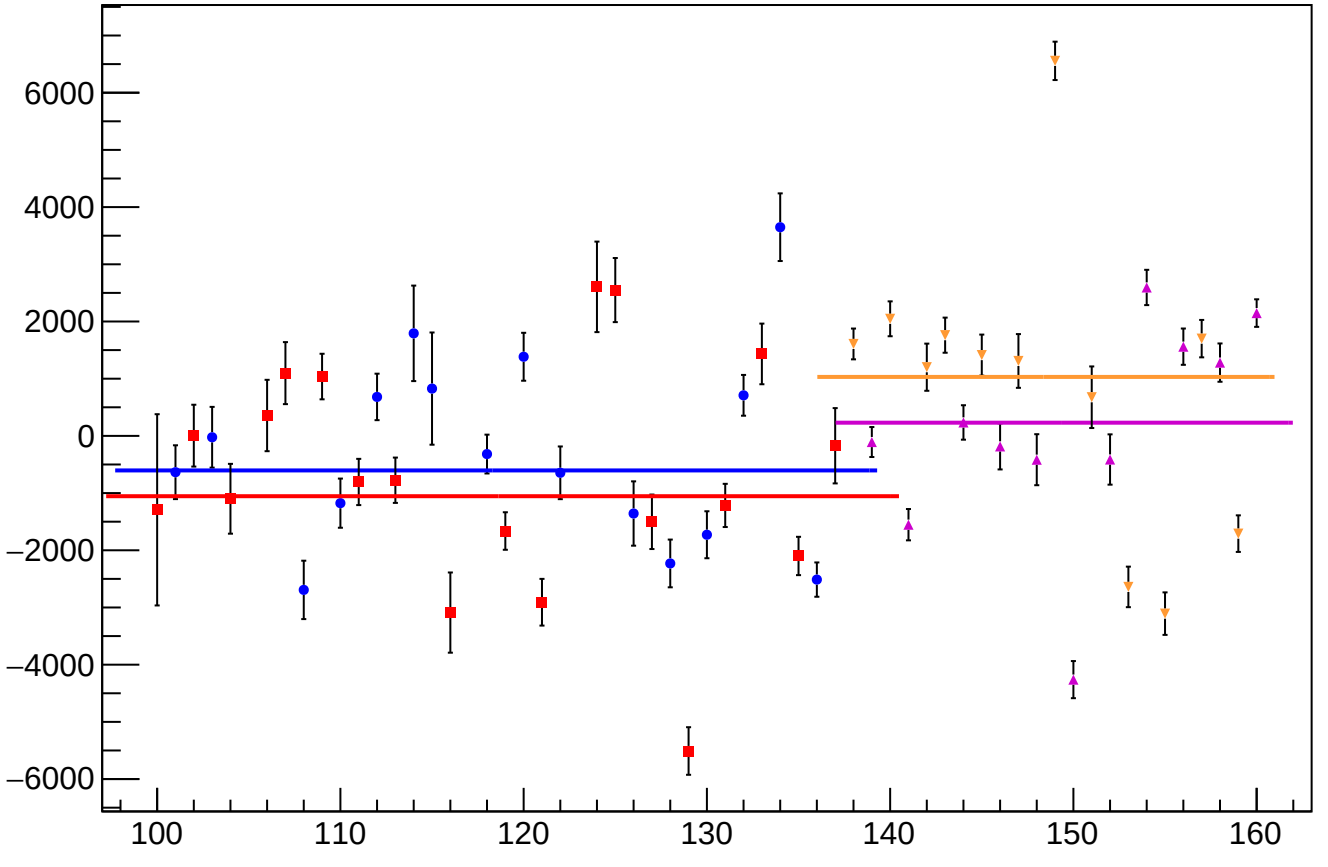
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 195.000+/-0.035 χ^2/NDF:1792756.0/26

Out: 199.510+/-0.036 χ^2/NDF:2287857.0/30

All: 197.213+/-0.025 χ^2/NDF: 4088568.2/57

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: 230.773+/-94.760 χ^2/NDF:390.3/10

Left: 609.424+/-68.780 χ^2/NDF: 1027.9/22

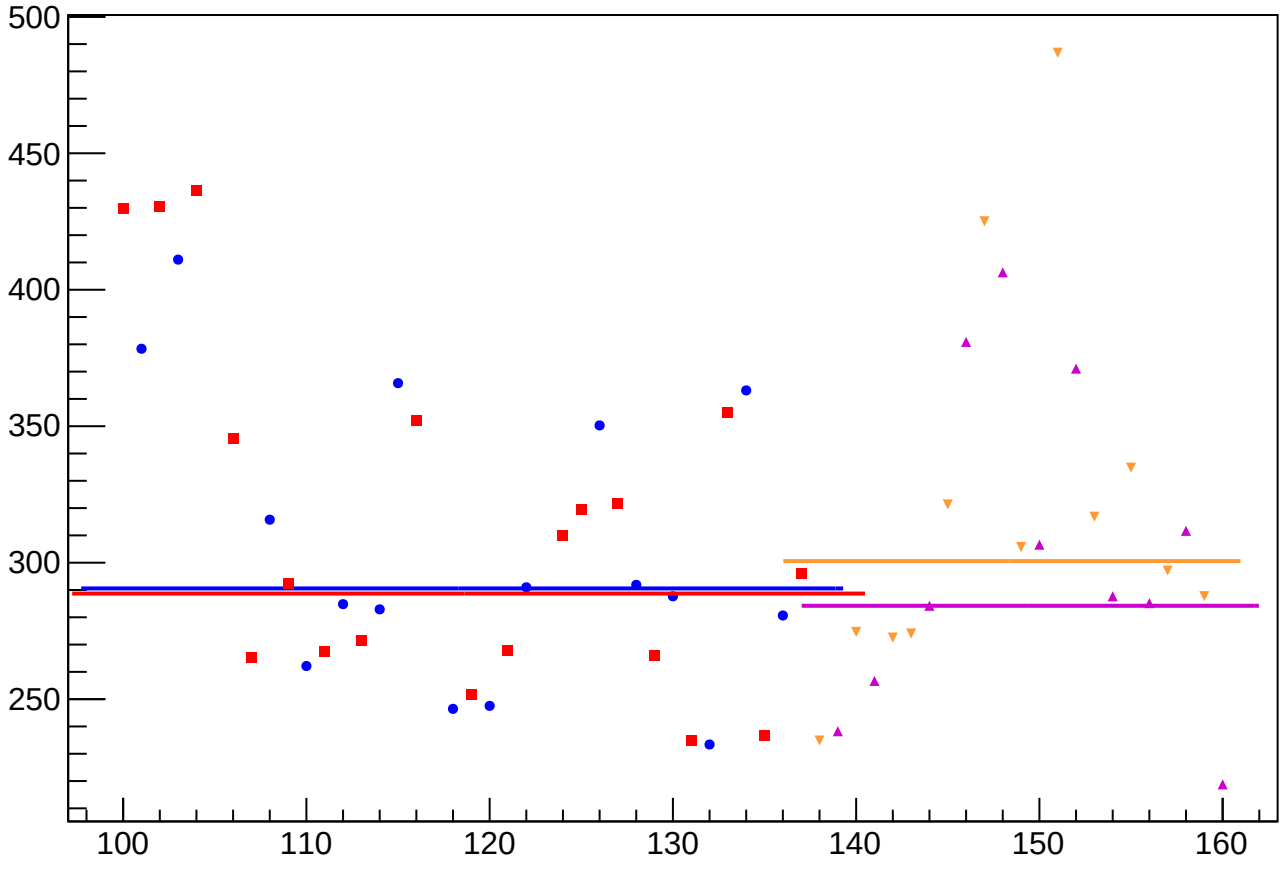
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -122.205+/-71.986 χ^2/NDF:616.7/26

Out: 70.967+/-73.454 χ^2/NDF:1101.8/30

All: -27.569+/-51.413 χ^2/NDF: 1722.0/57

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: 284.217+/-0.067 χ^2/NDF:595866.3/10

Left: 291.963+/-0.049 χ^2/NDF: 1193602.9/22

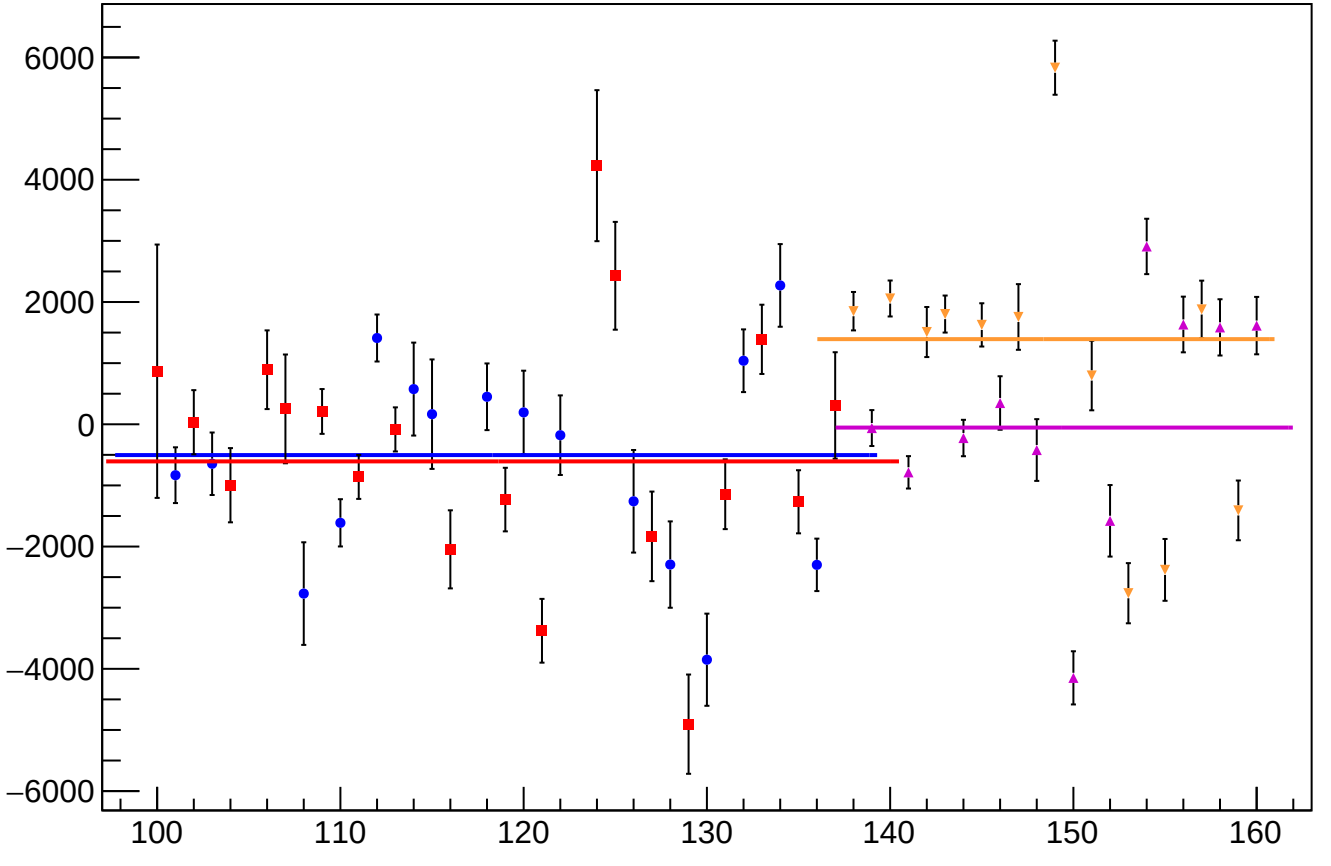
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 286.902+/-0.051 χ^2/NDF:959471.1/26

Out: 295.108+/-0.052 χ^2/NDF:1071631.8/30

All: 290.922+/-0.036 χ^2/NDF: 2043836.4/57

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: -53.899+/-116.722 χ^2/NDF:186.5/10

Left: 677.016+/-82.101 χ^2/NDF: 536.9/22

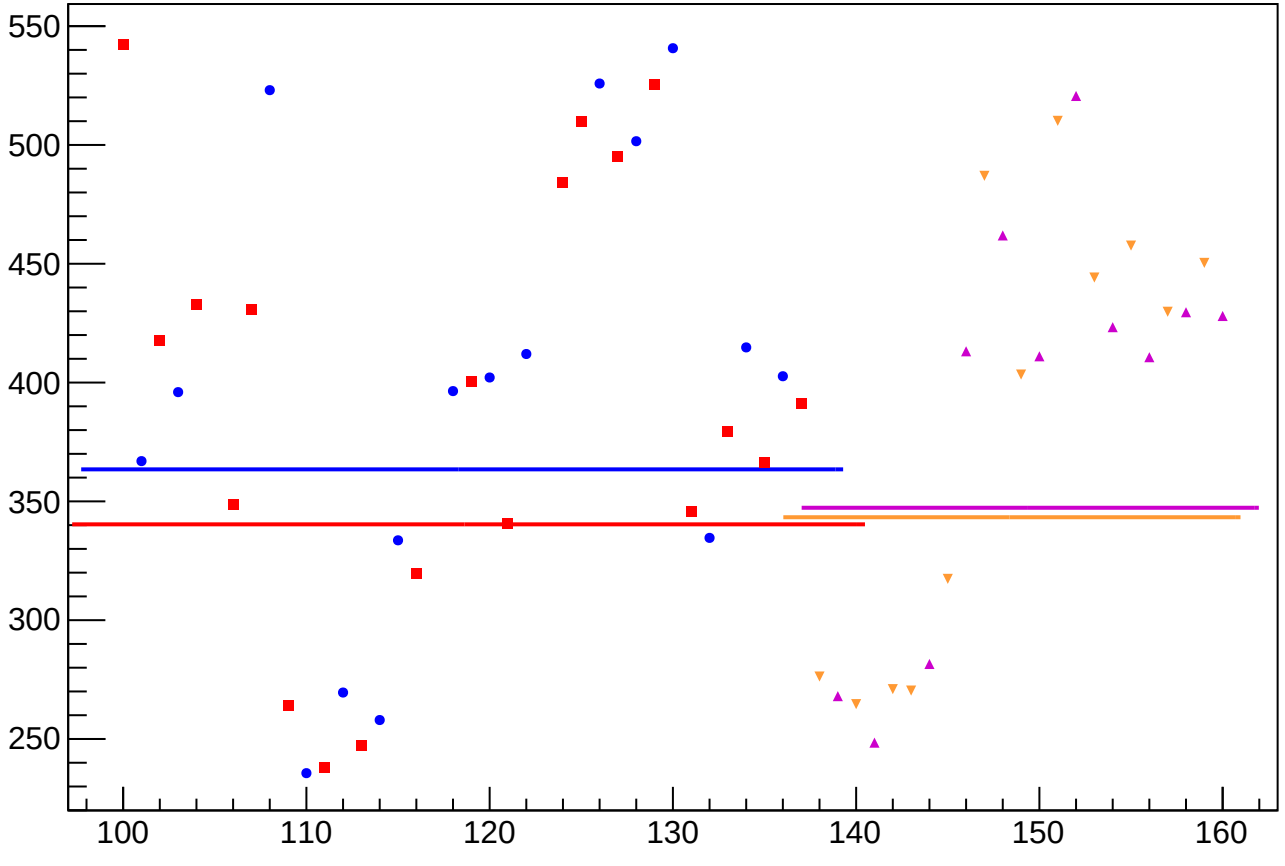
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -238.248+/-89.666 χ^2/NDF:310.8/26

Out: 507.620+/-86.231 χ^2/NDF:530.6/30

All: 149.246+/-62.154 χ^2/NDF: 877.4/57

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: 347.311+/-0.083 χ^2/NDF:1106149.3/10

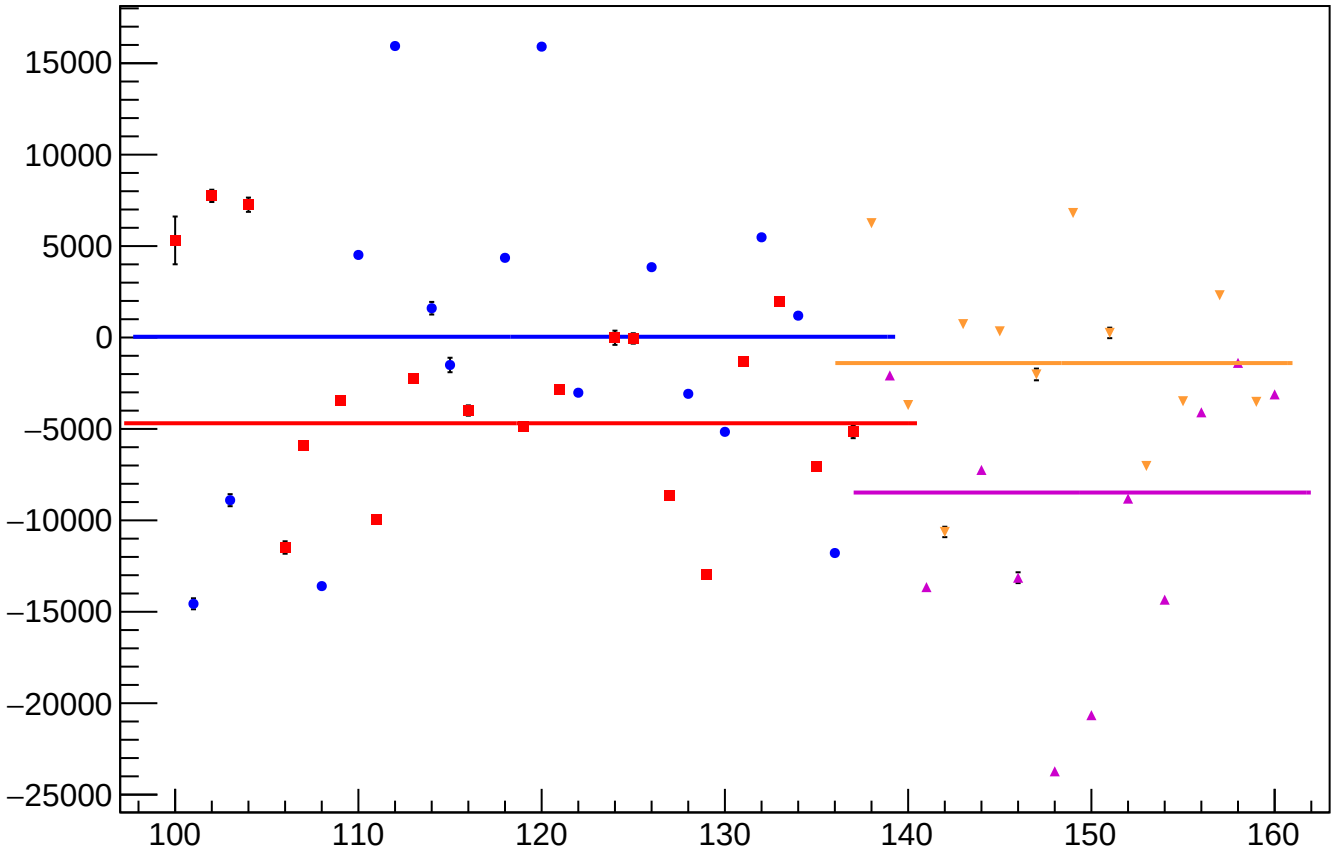
Left: 345.294+/-0.058 χ^2/NDF: 2232327.1/22

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 353.934+/-0.063 χ^2/NDF:1902755.2/26

Out: 341.997+/-0.061 χ^2/NDF:1981818.5/30

All: 347.733+/-0.044 χ^2/NDF: 3902989.8/57



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: -8478.858+/-56.825 χ^2/NDF:14215.2/10

Left: -4901.275+/-39.969 χ^2/NDF: 28854.9/22

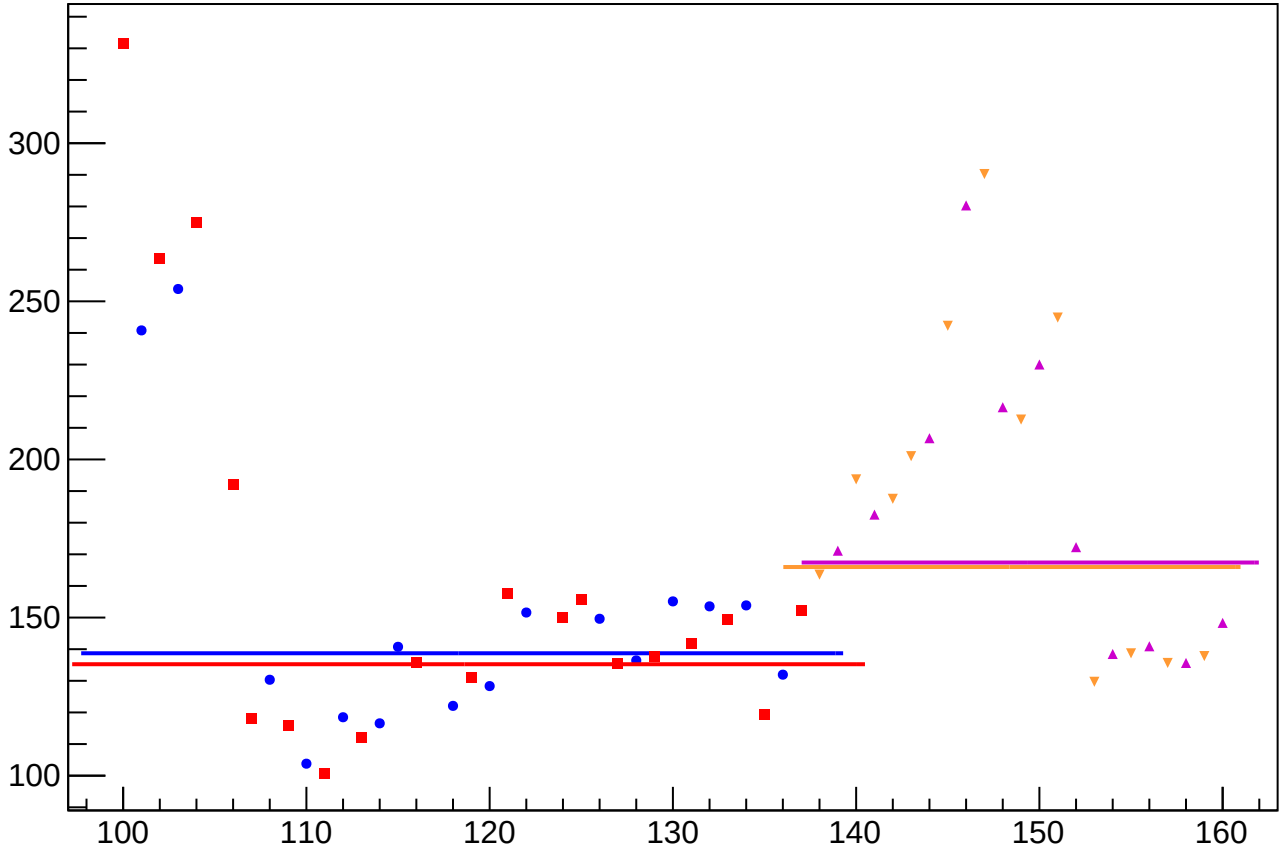
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4017.517+/-39.220 χ^2/NDF:56772.4/26

Out: -3169.469+/-38.215 χ^2/NDF:16434.5/30

All: -3582.486+/-27.370 χ^2/NDF: 73446.8/57

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: 167.407+/-0.040 χ^2/NDF:833941.7/10

Left: 166.687+/-0.028 χ^2/NDF: 1960443.7/22

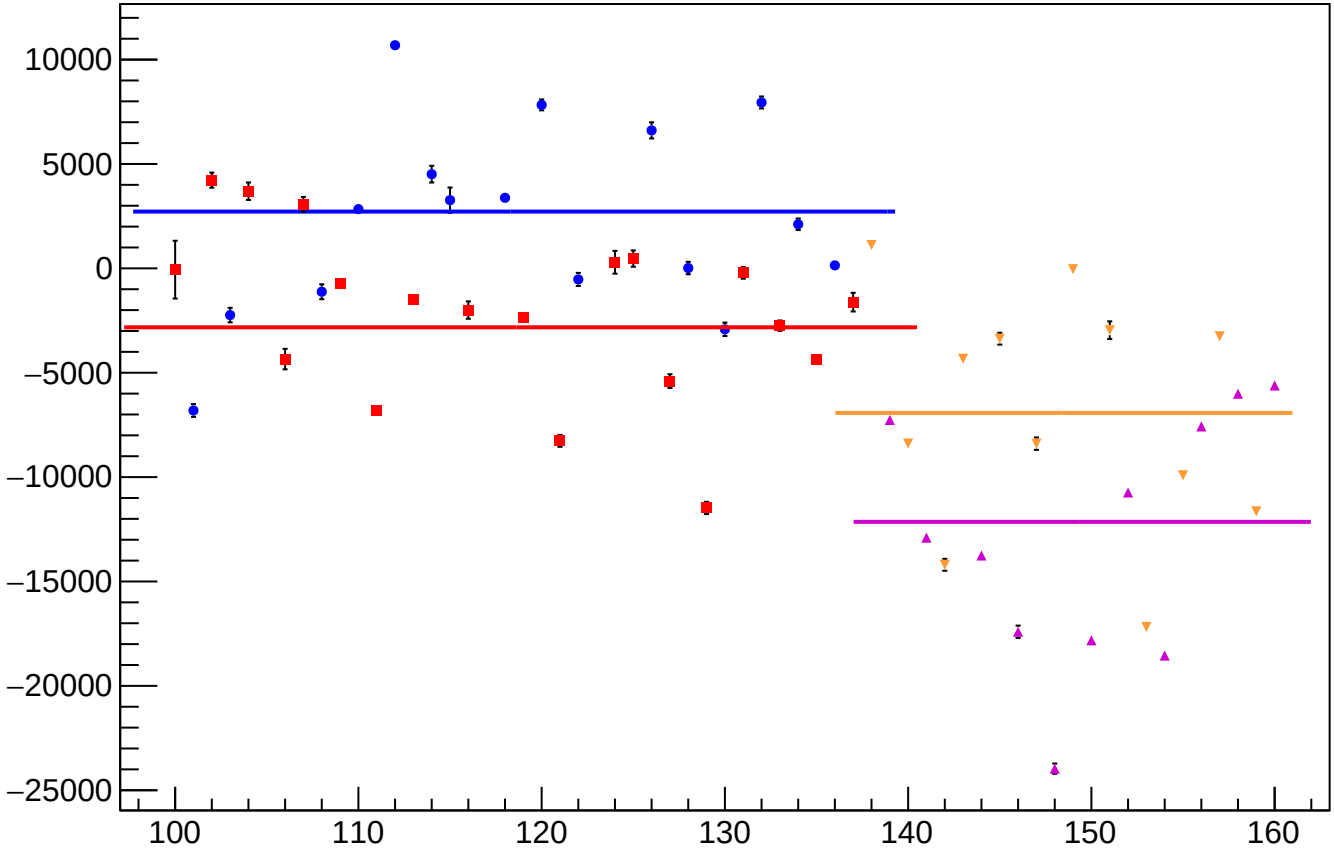
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.381+/-0.028 χ^2/NDF:1758781.5/26

Out: 149.442+/-0.027 χ^2/NDF:2337476.1/30

All: 150.873+/-0.019 χ^2/NDF: 4102017.3/57

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: -12143.672+/-59.626 χ^2/NDF:9004.8/10

Left: -9842.819+/-44.585 χ^2/NDF: 19737.4/22

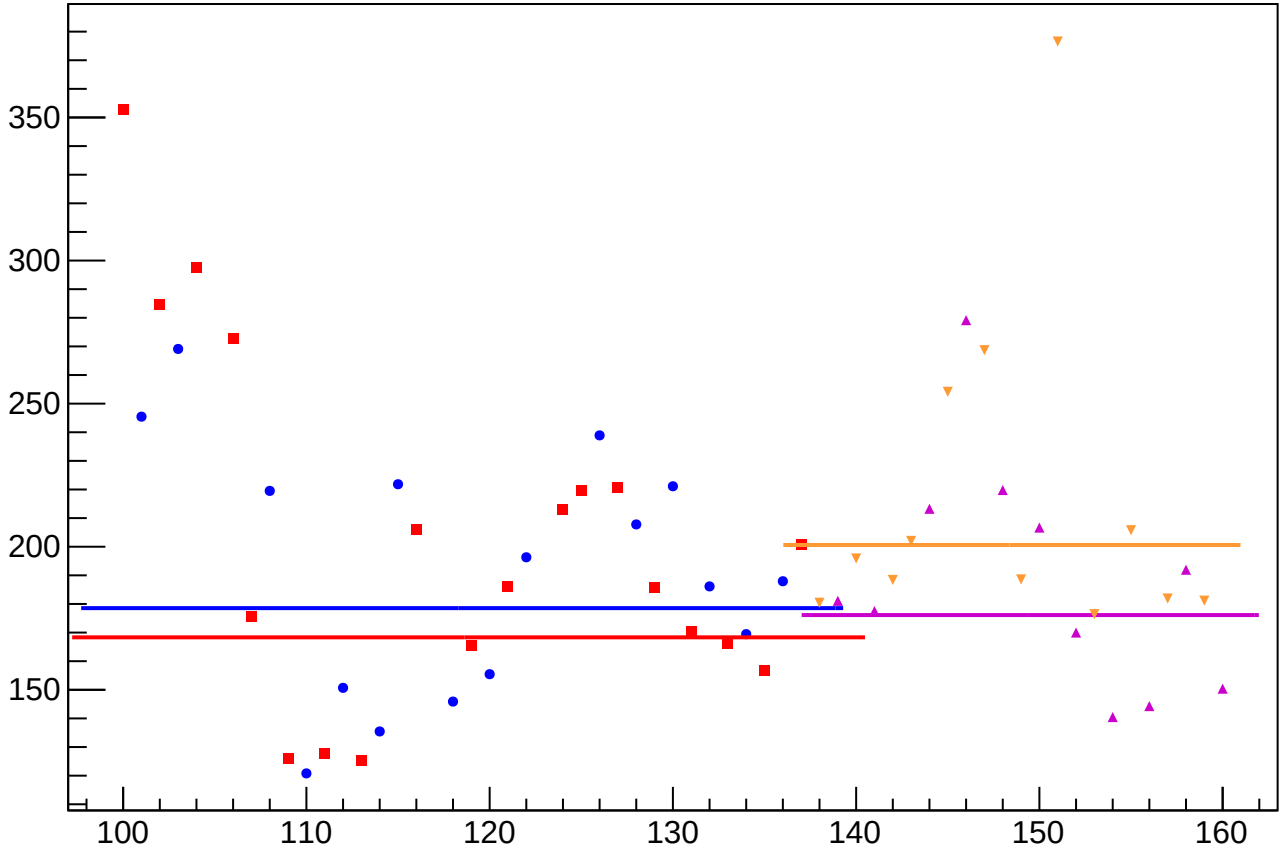
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5815.404+/-45.184 χ^2/NDF:39591.1/26

Out: -4802.782+/-46.648 χ^2/NDF:12347.7/30

All: -5325.232+/-32.455 χ^2/NDF: 52182.0/57

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: 176.120+/-0.042 χ^2/NDF:647425.9/10

Left: 186.915+/-0.032 χ^2/NDF: 1413211.8/22

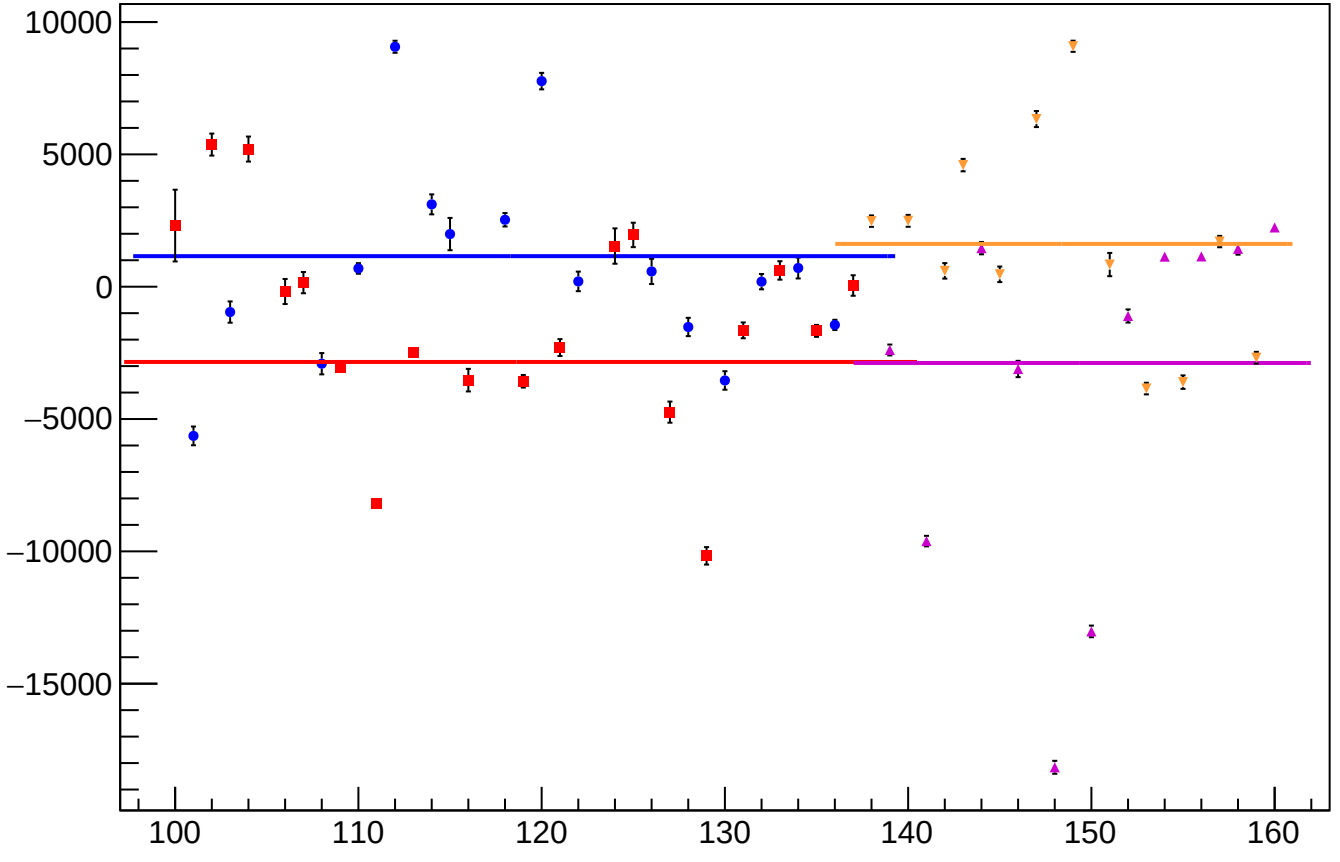
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.151+/-0.032 χ^2/NDF:1323396.2/26

Out: 183.909+/-0.033 χ^2/NDF:1835581.6/30

All: 180.422+/-0.023 χ^2/NDF: 3180635.2/57

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: -2882.120+/-63.258 χ^2/NDF:9808.0/10

Left: -887.131+/-47.194 χ^2/NDF: 15182.2/22

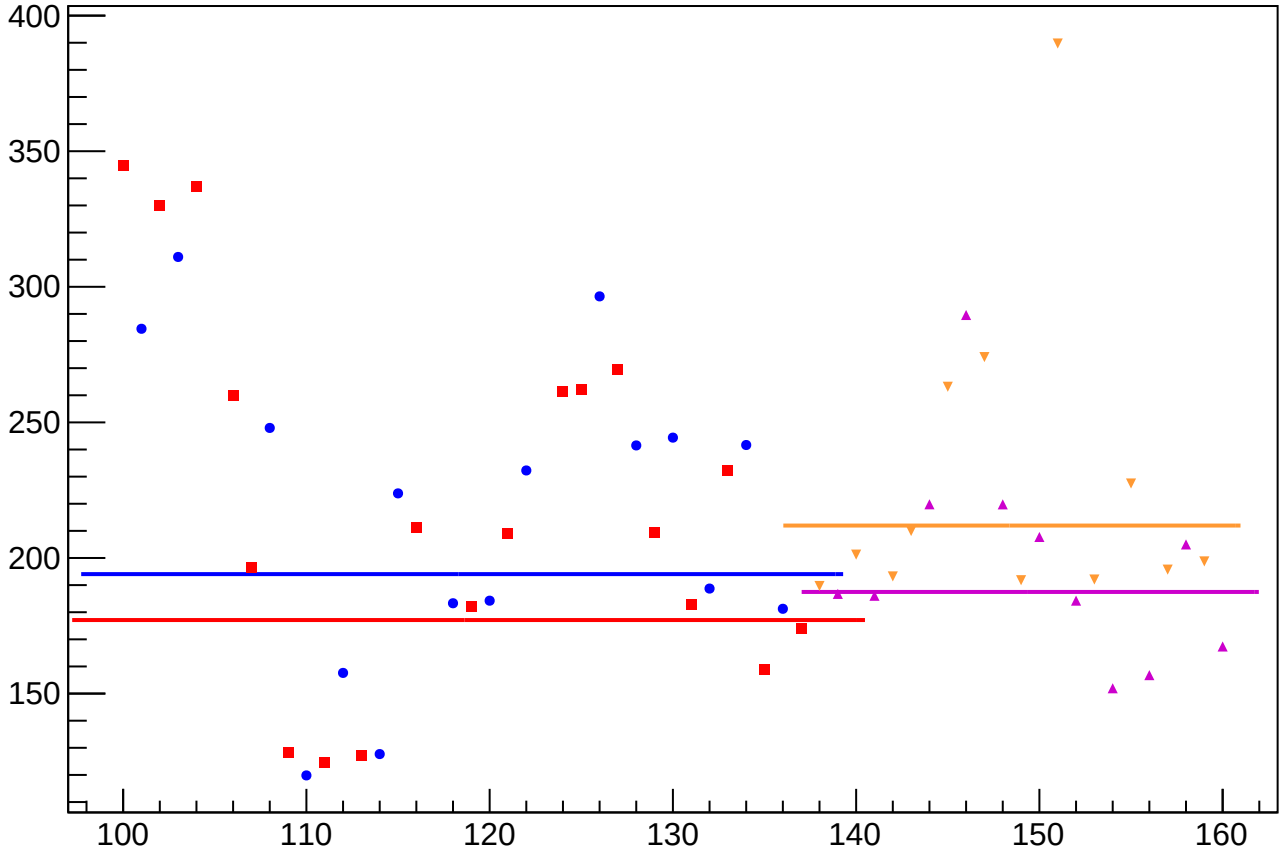
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1229.259+/-48.608 χ^2/NDF:14130.4/26

Out: -668.641+/-49.491 χ^2/NDF:7614.2/30

All: -953.991+/-34.679 χ^2/NDF: 21809.9/57

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: 187.477+/-0.045 χ^2/NDF:499987.8/10

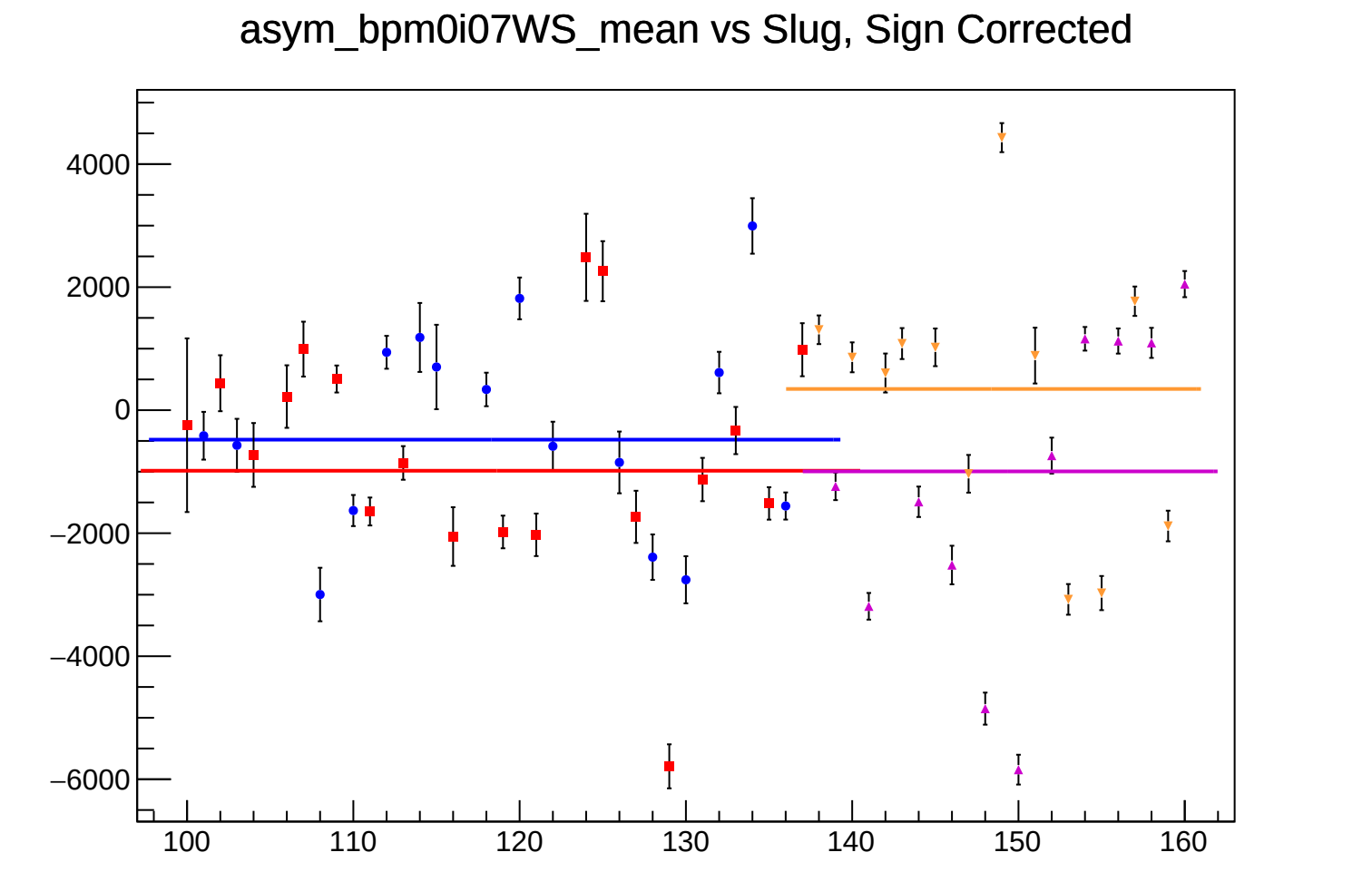
Left: 198.332+/-0.033 χ^2/NDF: 1199275.9/22

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 190.170+/-0.034 χ^2/NDF:1474626.0/26

Out: 194.105+/-0.035 χ^2/NDF:2173494.8/30

All: 192.102+/-0.025 χ^2/NDF: 3654558.3/57



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: -995.123+/-70.515 χ^2/NDF:1262.8/10

Left: -385.523+/-52.060 χ^2/NDF: 2230.8/22

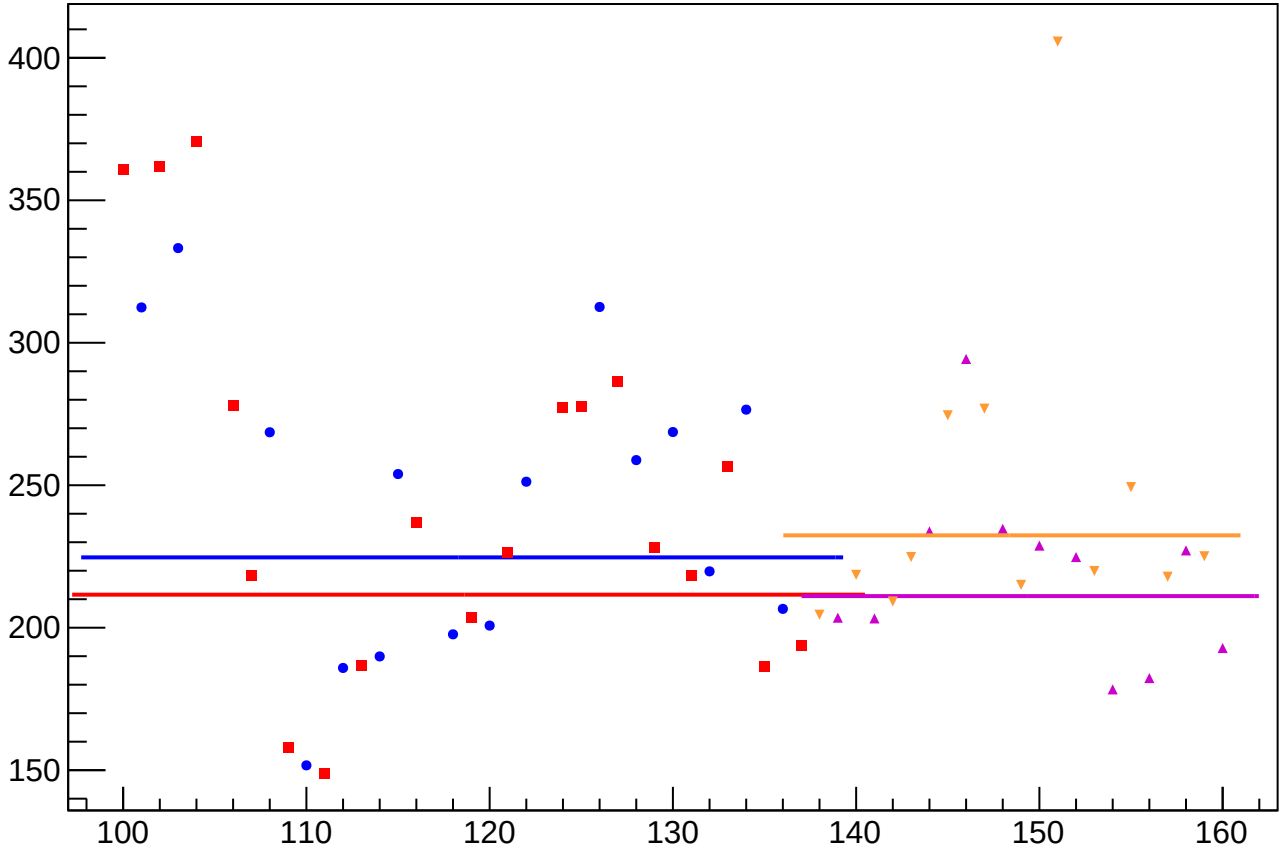
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -789.716+/-54.702 χ^2/NDF:1589.5/26

Out: -288.228+/-55.860 χ^2/NDF:1343.2/30

All: -544.224+/-39.083 χ^2/NDF: 2973.8/57

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: 211.094+/-0.050 χ^2/NDF:314877.2/10

Left: 220.795+/-0.037 χ^2/NDF: 849724.8/22

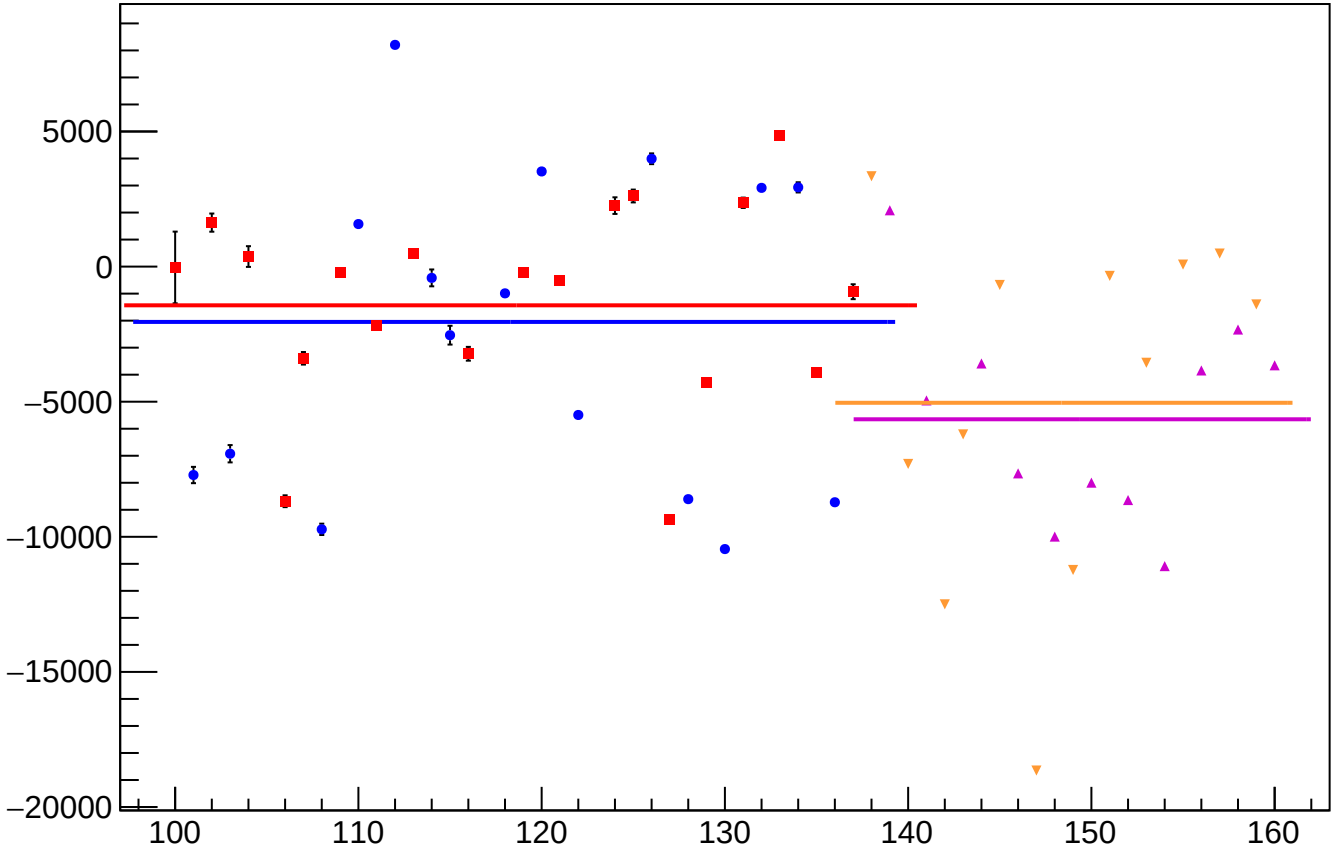
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 216.505+/-0.039 χ^2/NDF:997644.5/26

Out: 222.502+/-0.039 χ^2/NDF:1453869.9/30

All: 219.441+/-0.028 χ^2/NDF: 2463278.3/57

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: -5650.559+/-38.489 χ^2/NDF:9212.2/10

Left: -5339.503+/-26.958 χ^2/NDF: 37729.9/22

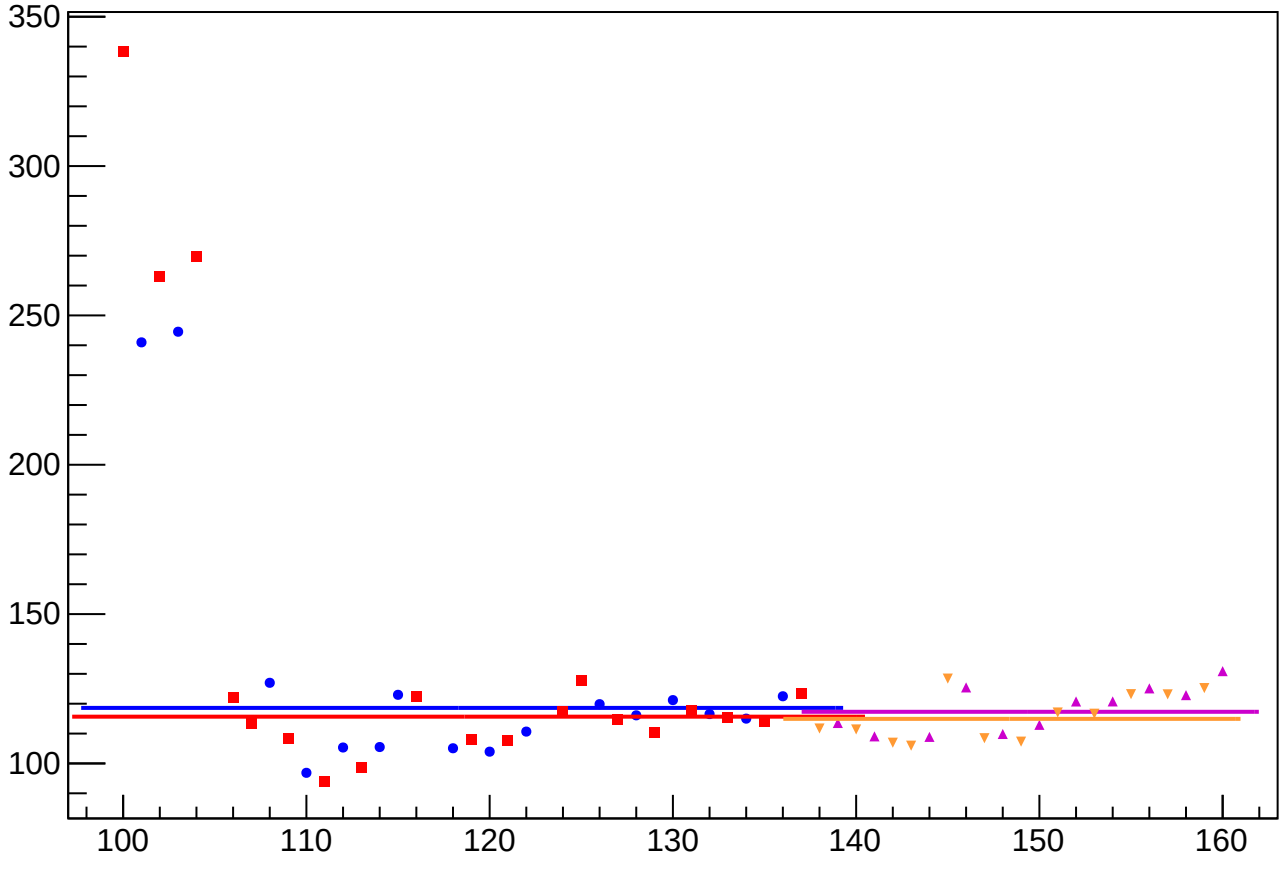
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4193.826+/-29.707 χ^2/NDF:29464.6/26

Out: -3538.534+/-28.858 χ^2/NDF:38573.6/30

All: -3856.680+/-20.699 χ^2/NDF: 68288.5/57

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: 117.291+/-0.027 χ^2/NDF:69991.3/10

Left: 116.085+/-0.019 χ^2/NDF: 151044.5/22

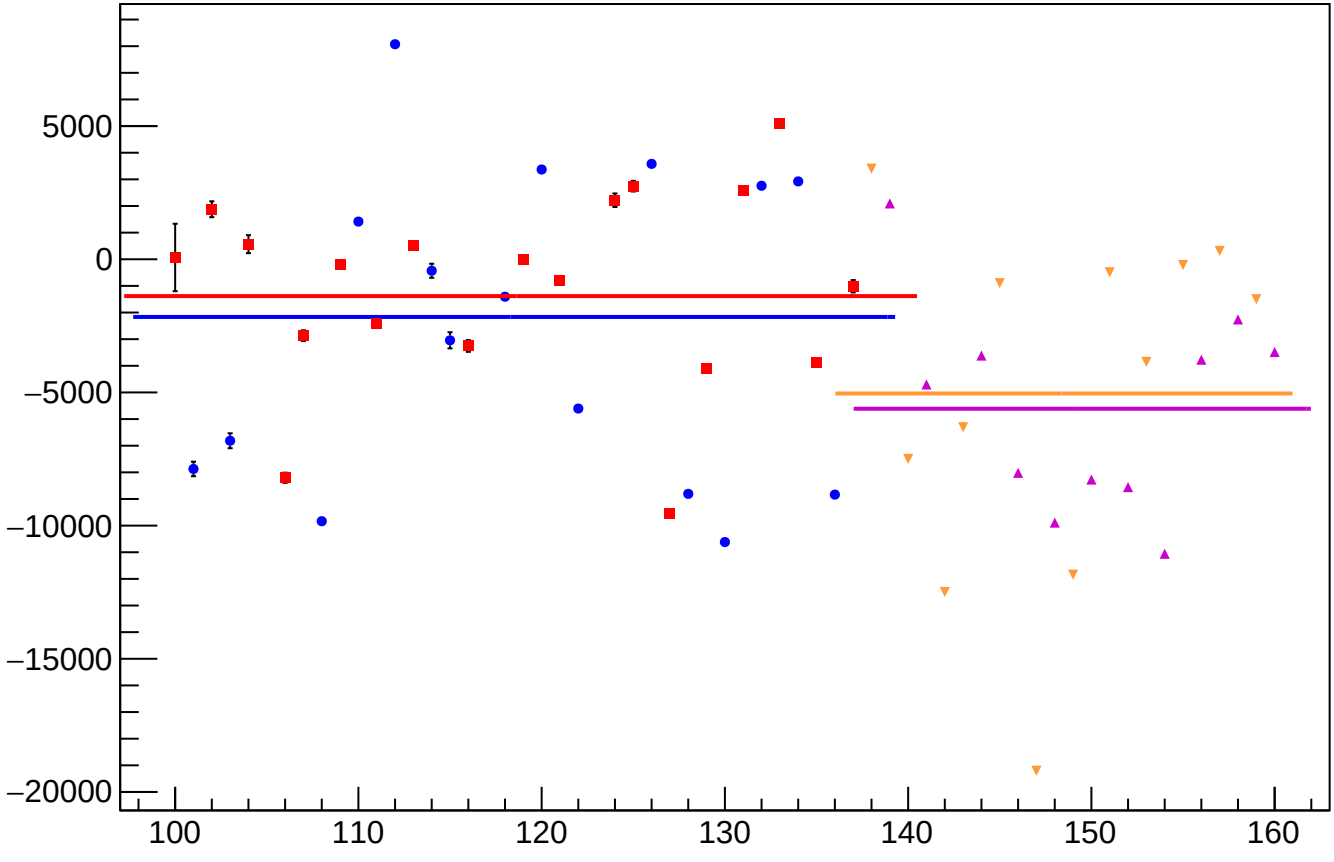
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.818+/-0.021 χ^2/NDF:805079.9/26

Out: 115.230+/-0.020 χ^2/NDF:941722.8/30

All: 116.487+/-0.015 χ^2/NDF: 1754613.5/57

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: -5611.795+/-35.067 χ^2/NDF:11370.3/10

Left: -5316.977+/-24.423 χ^2/NDF: 46010.1/22

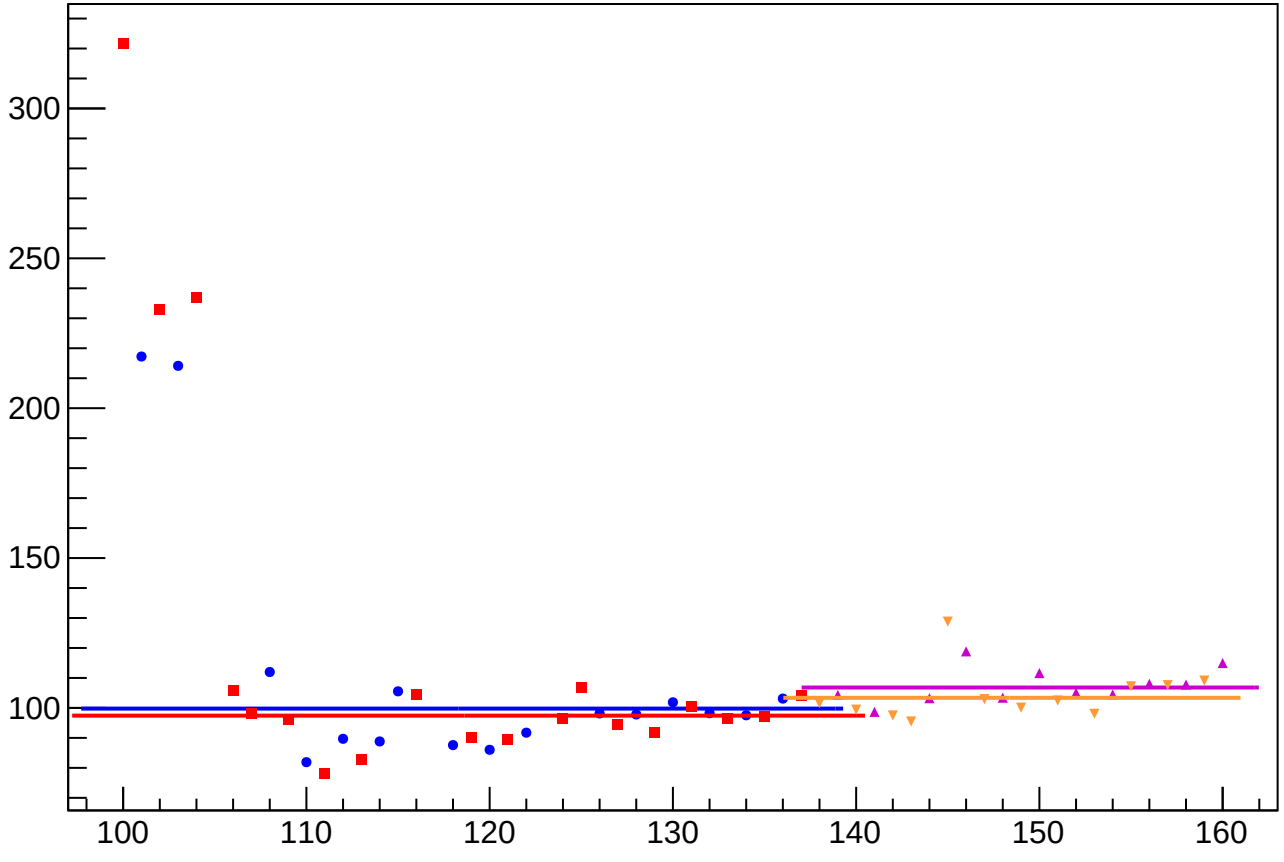
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4098.650+/-26.262 χ^2/NDF:38485.4/26

Out: -3410.619+/-25.346 χ^2/NDF:48791.3/30

All: -3742.419+/-18.238 χ^2/NDF: 87632.0/57

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: 106.808+/-0.025 χ^2/NDF:47727.7/10

Left: 105.037+/-0.017 χ^2/NDF: 151484.3/22

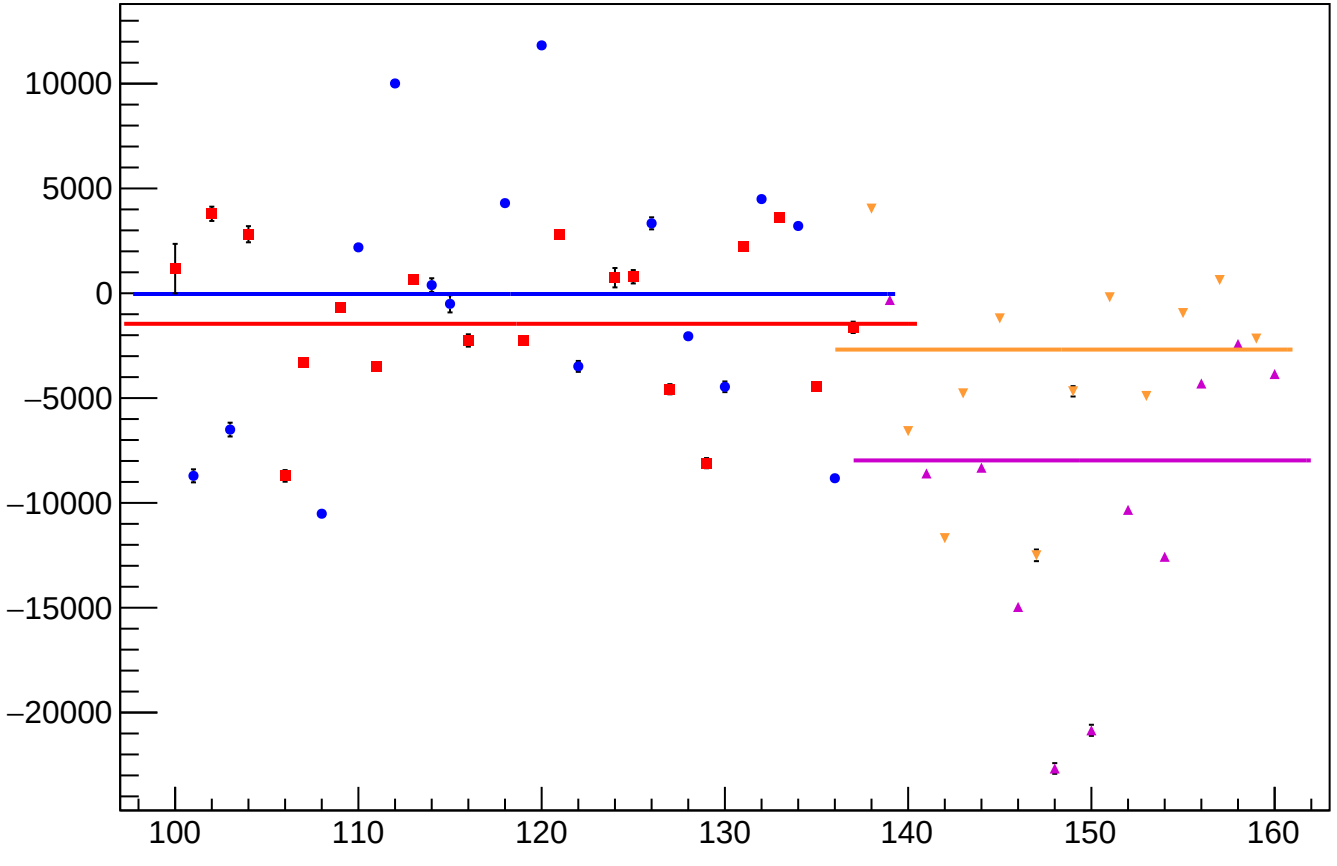
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 103.720+/-0.019 χ^2/NDF:892211.8/26

Out: 100.722+/-0.018 χ^2/NDF:1047028.4/30

All: 102.167+/-0.013 χ^2/NDF: 1952733.6/57

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: -7973.169+/-52.059 χ^2/NDF:12840.8/10

Left: -5242.012+/-36.196 χ^2/NDF: 24631.8/22

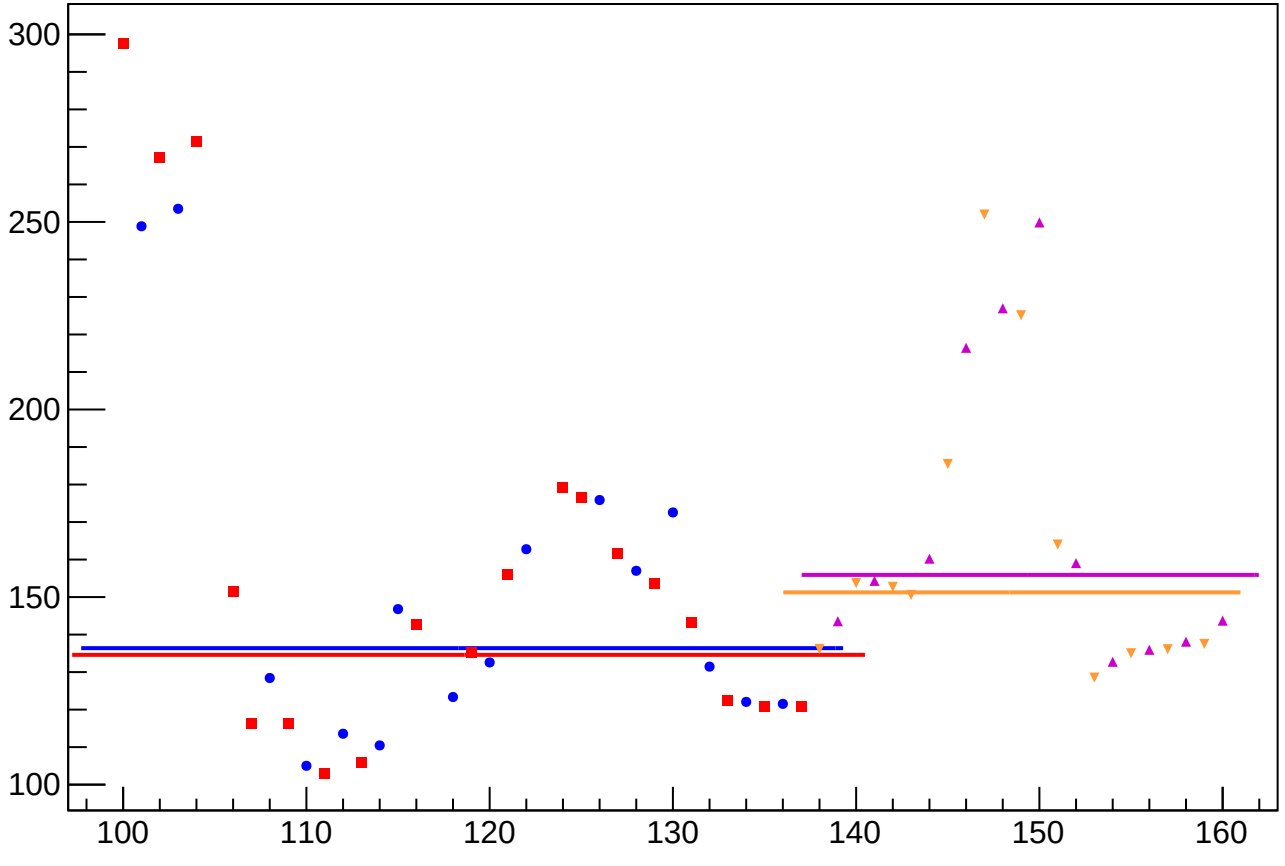
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4109.708+/-37.298 χ^2/NDF:40960.5/26

Out: -2090.391+/-36.158 χ^2/NDF:10868.6/30

All: -3068.708+/-25.961 χ^2/NDF: 53340.1/57

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: 155.912+/-0.037 χ^2/NDF:690867.1/10

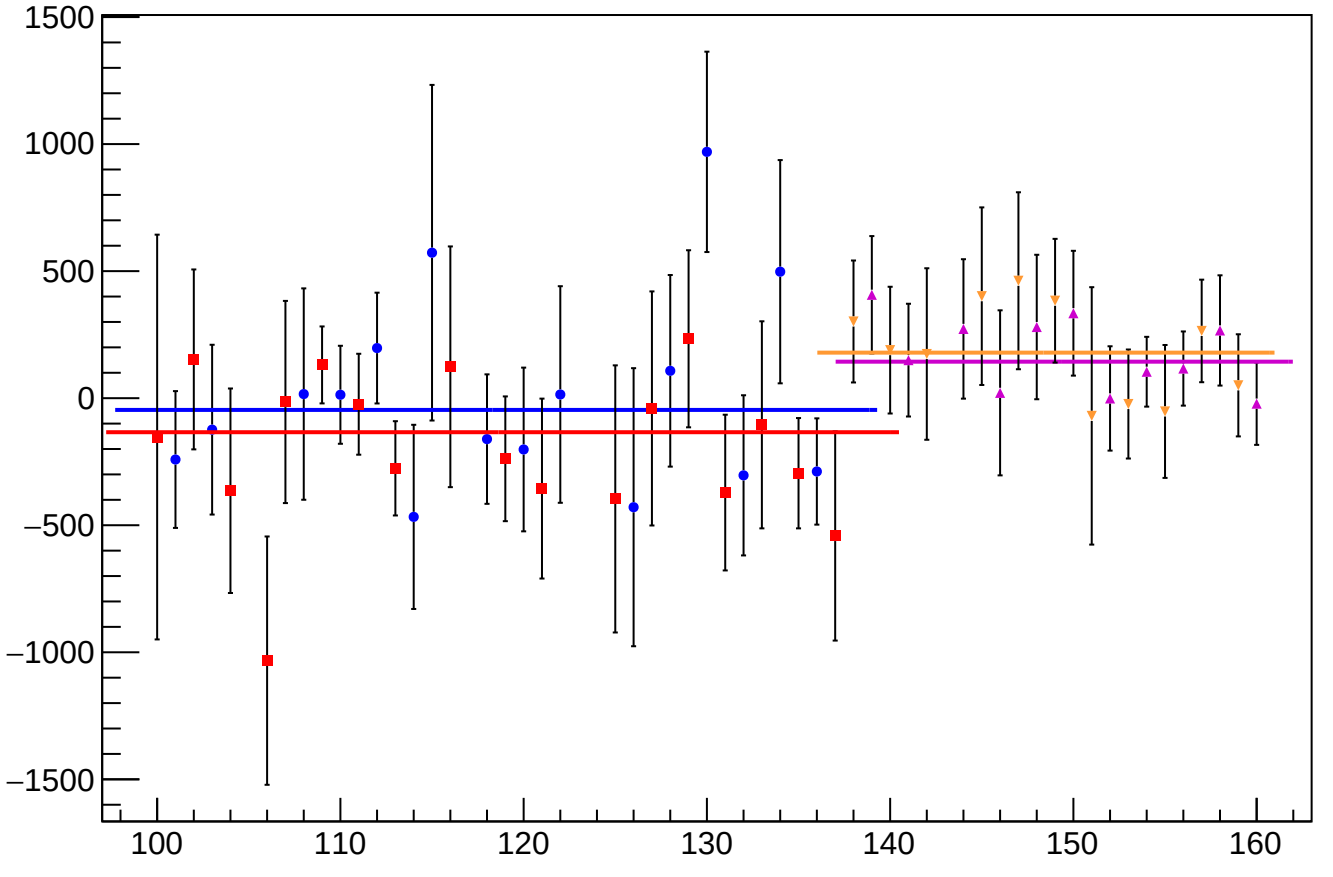
Left: 153.505+/-0.026 χ^2/NDF: 1335780.6/22

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 146.408+/-0.026 χ^2/NDF:1624688.3/26

Out: 143.183+/-0.026 χ^2/NDF:1662215.5/30

All: 144.746+/-0.018 χ^2/NDF: 3294609.3/57



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: 143.662+/-60.451 χ^2/NDF:4.5/10

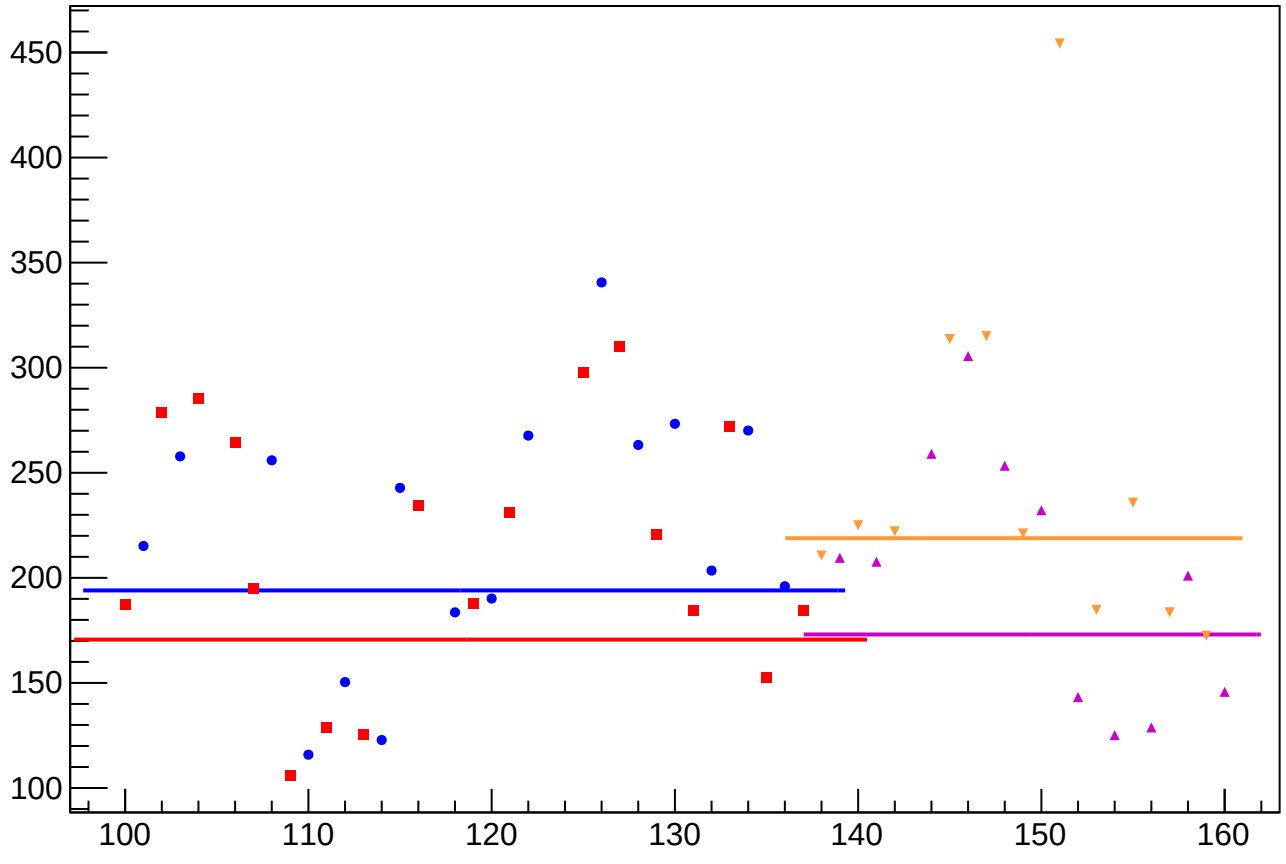
Left: 157.065+/-47.741 χ^2/NDF: 9.1/21

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 70.425+/-47.378 χ^2/NDF:23.7/26

Out: 2.606+/-51.383 χ^2/NDF:26.5/28

All: 39.261+/-34.831 χ^2/NDF: 51.2/55



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: 173.057+/-0.043 χ^2/NDF:1461711.1/10

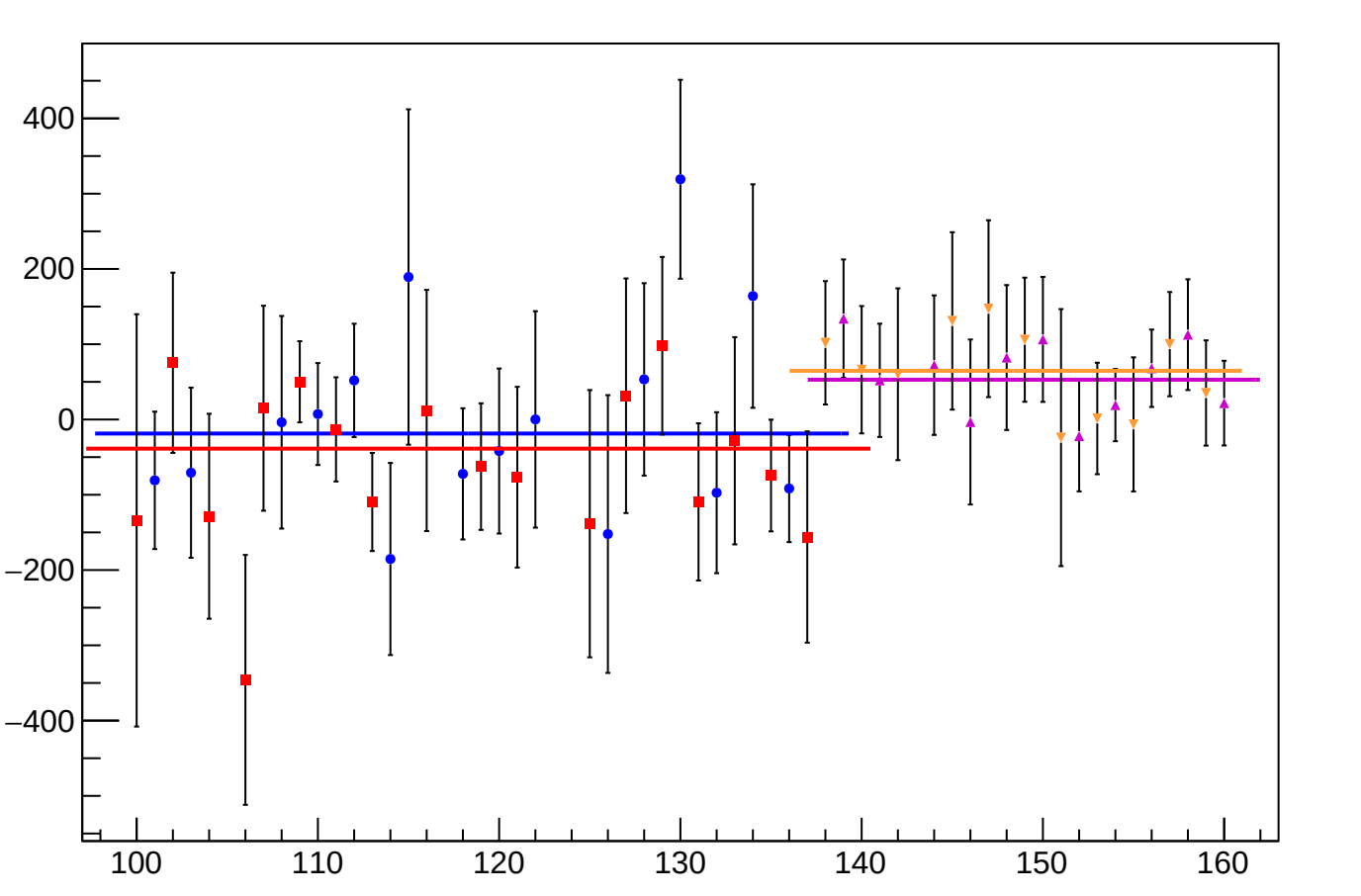
Left: 190.297+/-0.034 χ^2/NDF: 2856113.9/21

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 181.142+/-0.034 χ^2/NDF:2598044.4/26

Out: 191.655+/-0.036 χ^2/NDF:2989467.9/28

All: 185.973+/-0.025 χ^2/NDF: 5632761.3/55



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: 52.866+/-20.901 χ^2/NDF:4.5/10

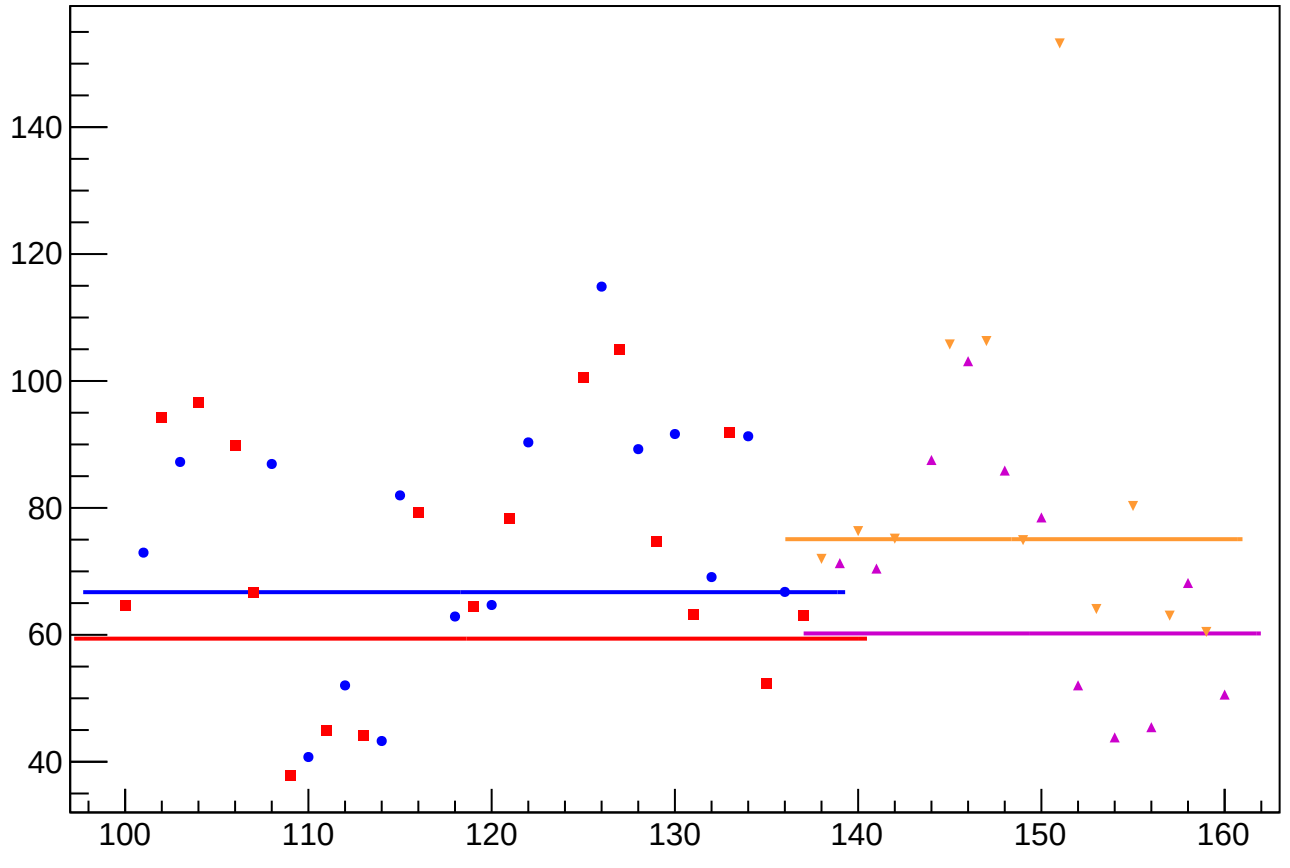
Left: 57.380+/-16.435 χ^2/NDF: 7.9/21

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.955+/-16.320 χ^2/NDF:24.2/26

Out: 6.936+/-17.676 χ^2/NDF:24.4/28

All: 16.663+/-11.991 χ^2/NDF: 49.2/55



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: 60.218+/-0.015 χ^2/NDF:1300510.2/10

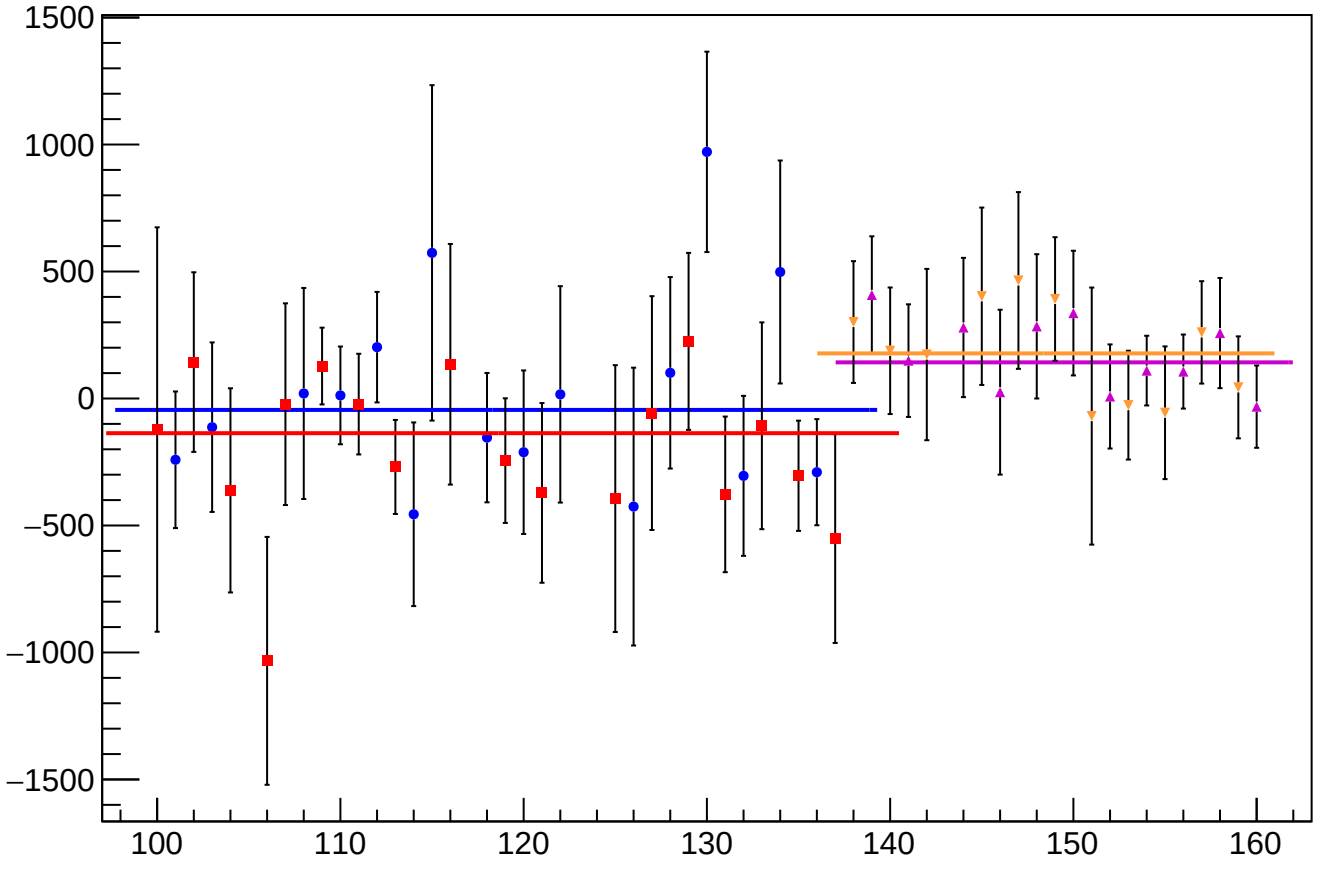
Left: 65.887+/-0.012 χ^2/NDF: 2583995.0/21

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.757+/-0.012 χ^2/NDF:2323196.6/26

Out: 66.319+/-0.012 χ^2/NDF:2730946.5/28

All: 64.396+/-0.008 χ^2/NDF: 5097977.1/55



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: 142.322+/-60.395 χ^2/NDF:4.6/10

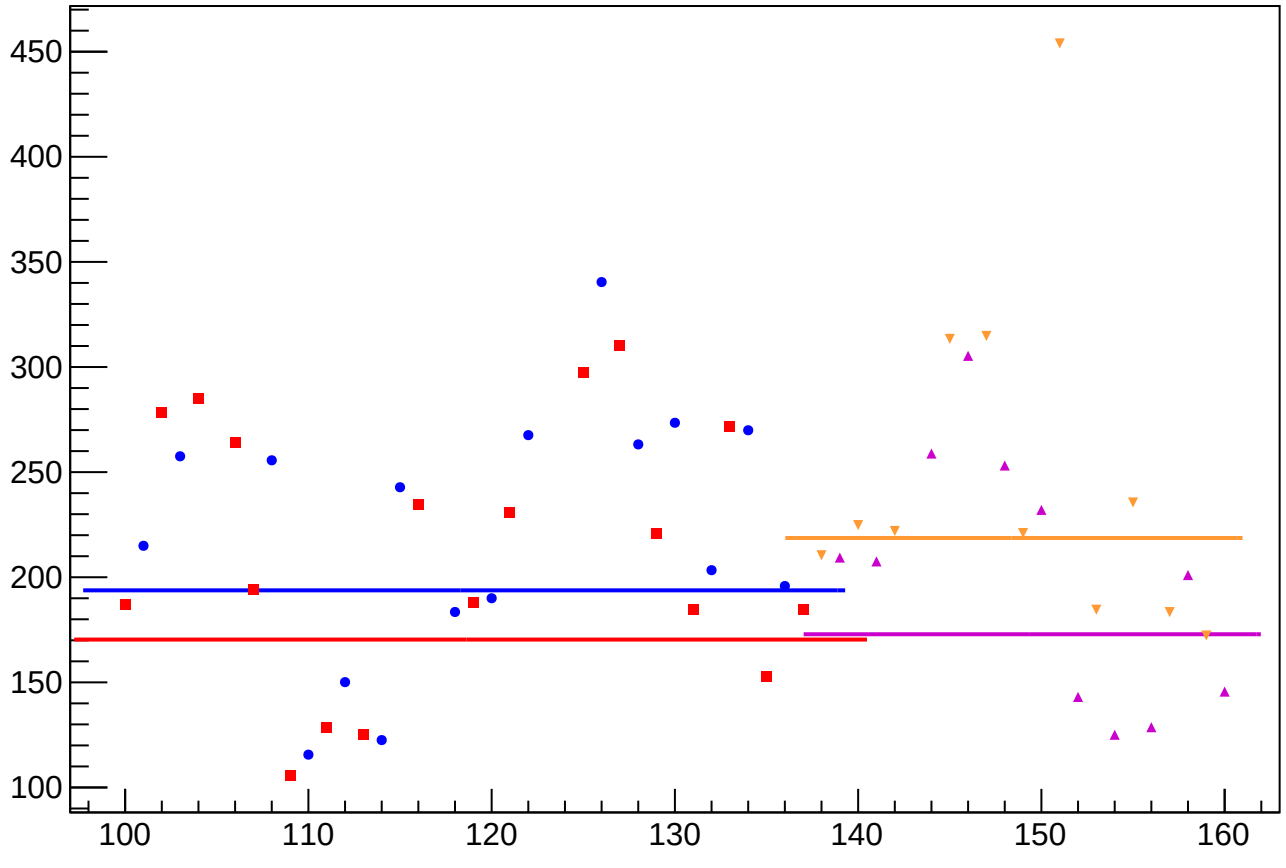
Left: 155.606+/-47.698 χ^2/NDF: 9.4/21

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 70.080+/-47.331 χ^2/NDF:23.7/26

Out: 0.313+/-51.325 χ^2/NDF:26.8/28

All: 38.016+/-34.794 χ^2/NDF: 51.5/55



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: 172.884+/-0.043 χ^2/NDF:1463649.1/10

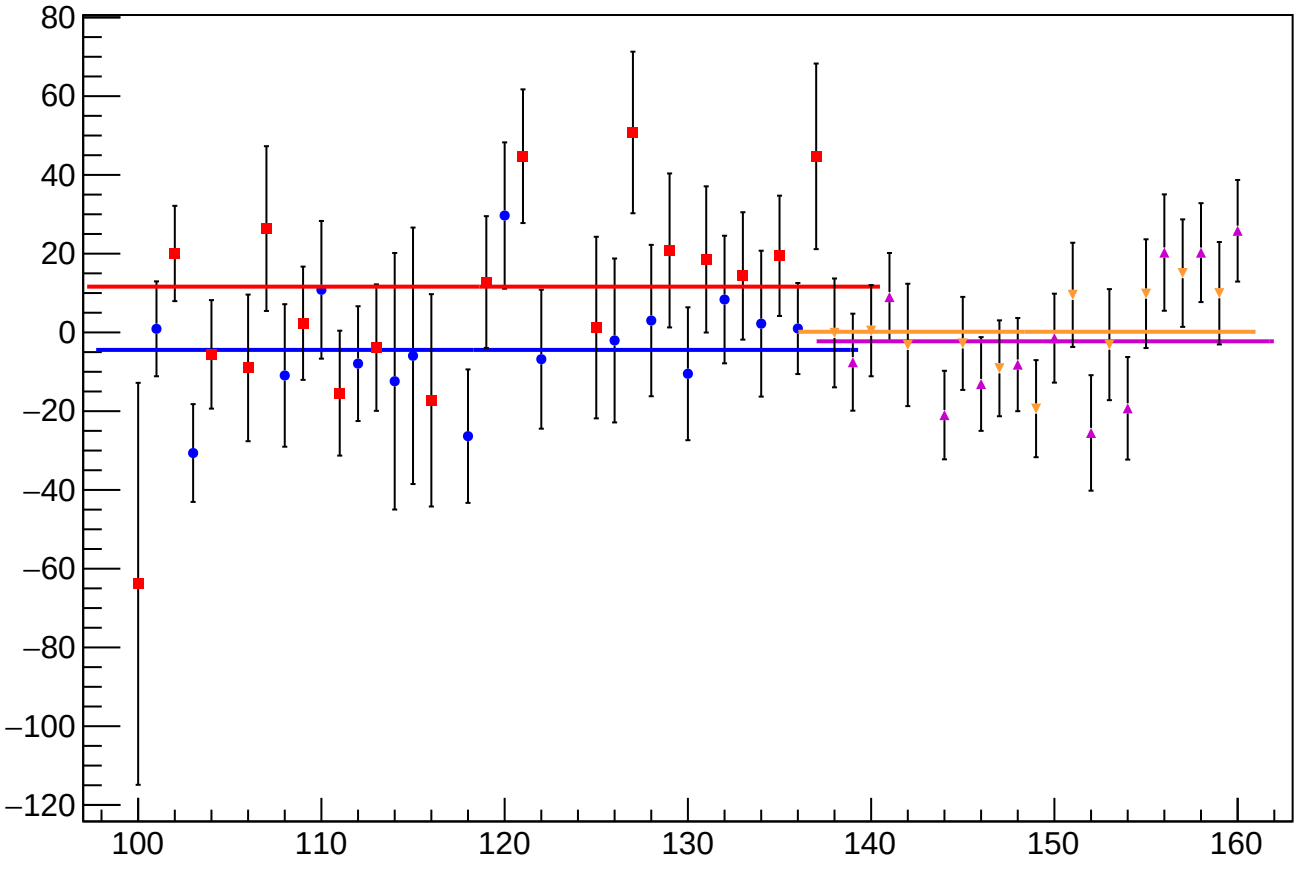
Left: 190.112+/-0.034 χ^2/NDF: 2858963.8/21

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 180.942+/-0.033 χ^2/NDF:2604009.5/26

Out: 191.407+/-0.036 χ^2/NDF:2997525.3/28

All: 185.751+/-0.025 χ^2/NDF: 5646469.5/55



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: -2.256+/-3.727 χ^2/NDF:19.5/10

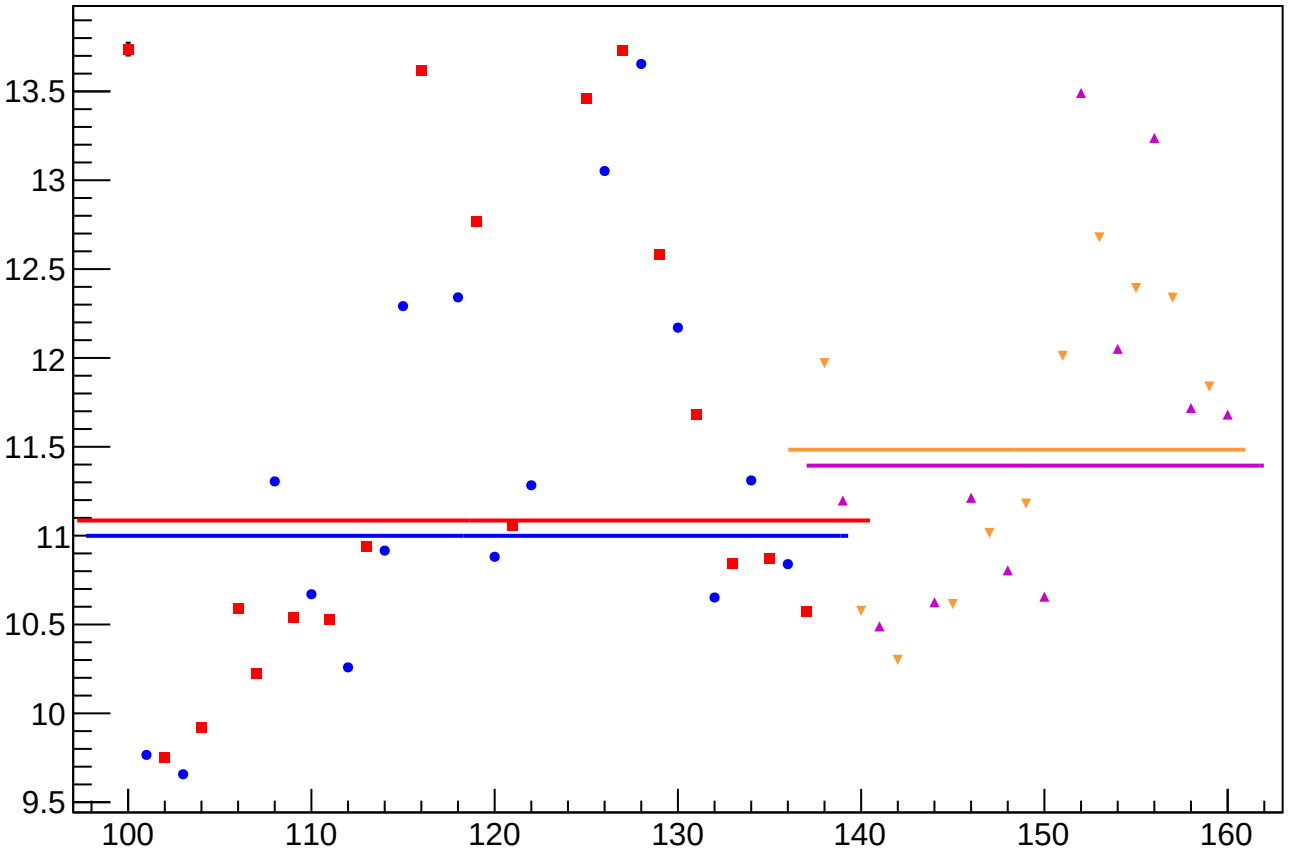
Left: -1.110+/-2.706 χ^2/NDF: 25.7/21

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -3.236+/-2.767 χ^2/NDF:31.7/26

Out: 5.611+/-2.851 χ^2/NDF:31.7/28

All: 1.055+/-1.986 χ^2/NDF: 68.3/55



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: 11.394+/-0.003 χ^2/NDF:116307.6/10

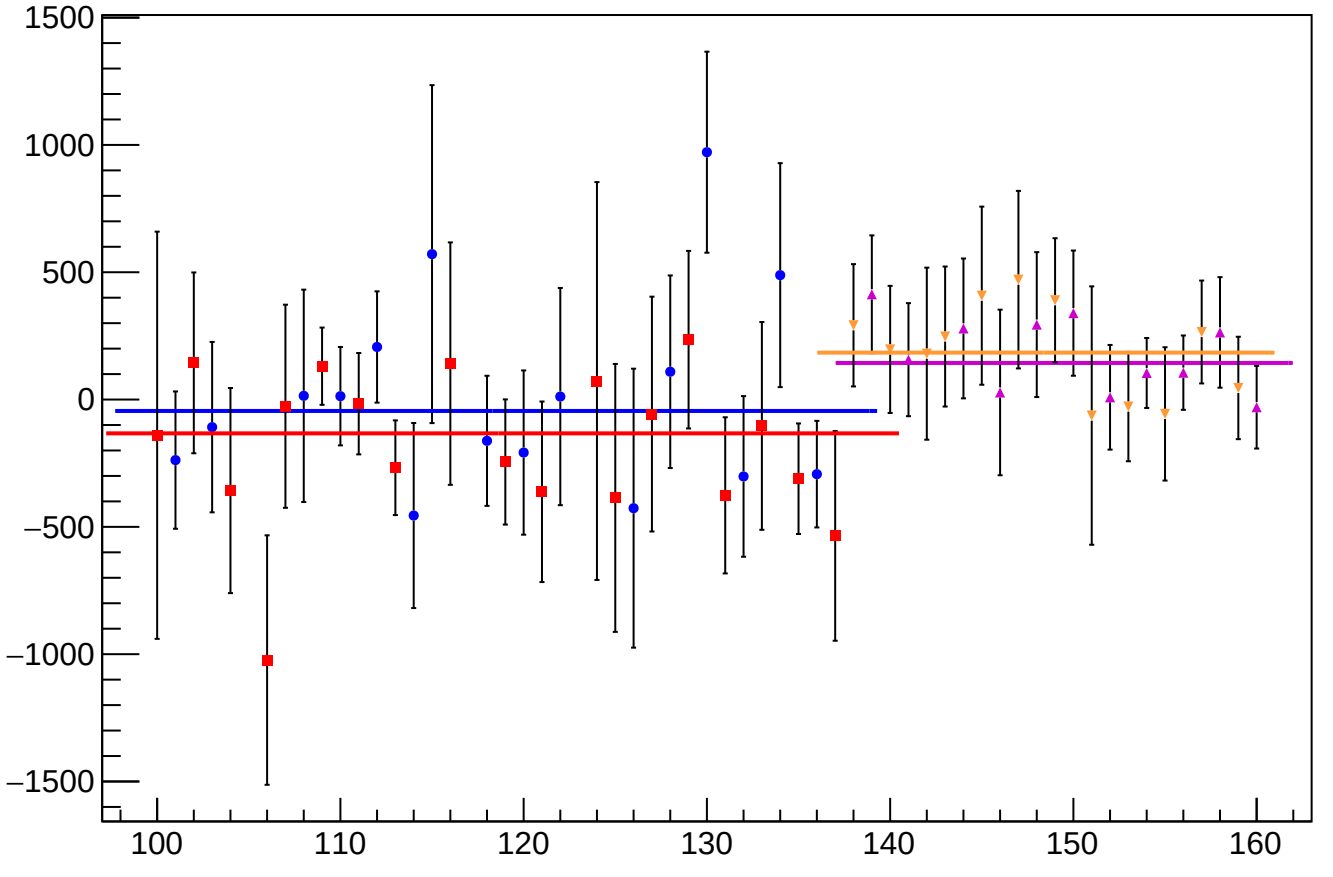
Left: 11.436+/-0.002 χ^2/NDF: 193756.2/21

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.217+/-0.002 χ^2/NDF:262544.5/26

Out: 11.294+/-0.002 χ^2/NDF:248842.2/28

All: 11.254+/-0.001 χ^2/NDF: 512151.0/55



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: 143.717+/-60.490 χ^2/NDF:4.7/10

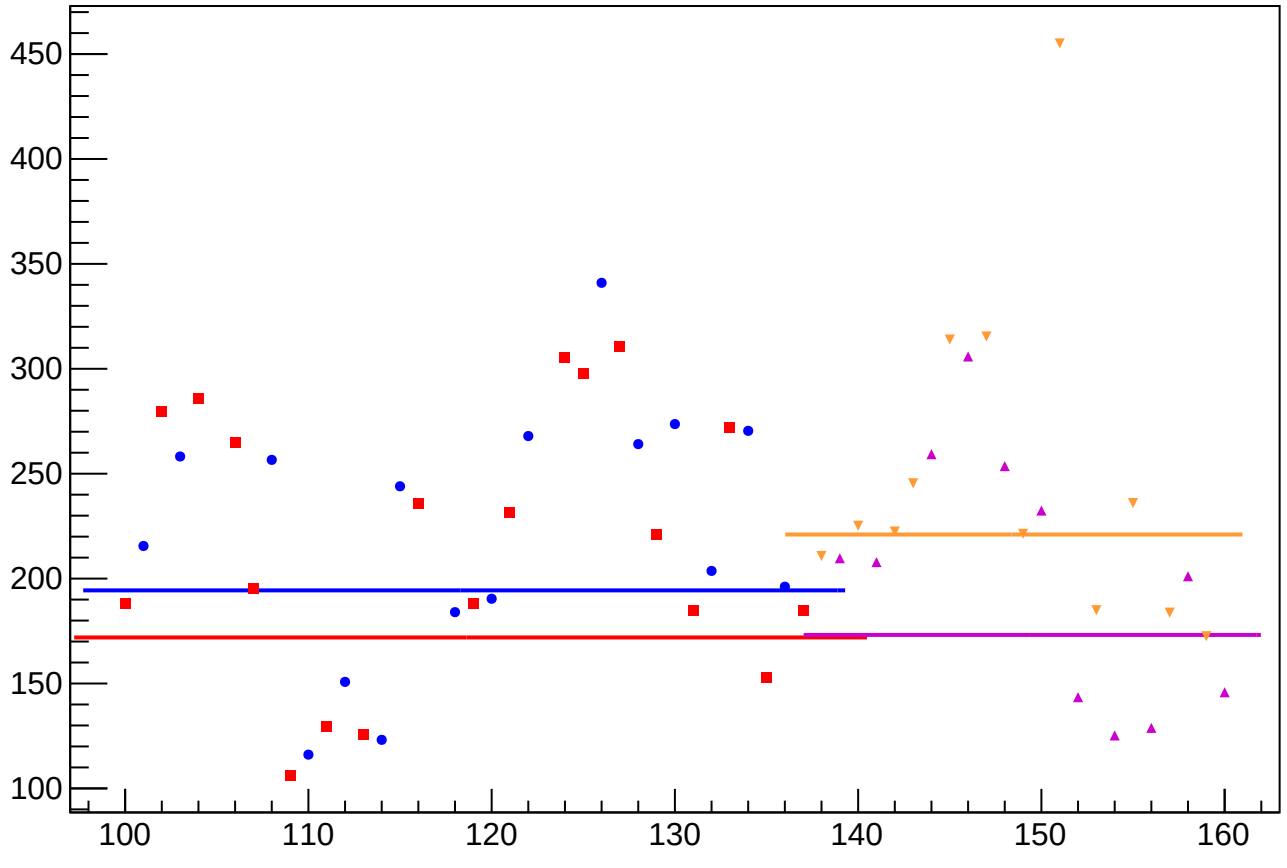
Left: 159.728+/-47.071 χ^2/NDF: 9.6/22

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.106+/-47.430 χ^2/NDF:23.8/26

Out: 11.039+/-50.470 χ^2/NDF:27.4/30

All: 42.935+/-34.563 χ^2/NDF: 52.0/57



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: 173.154+/-0.043 χ^2/NDF:1463686.9/10

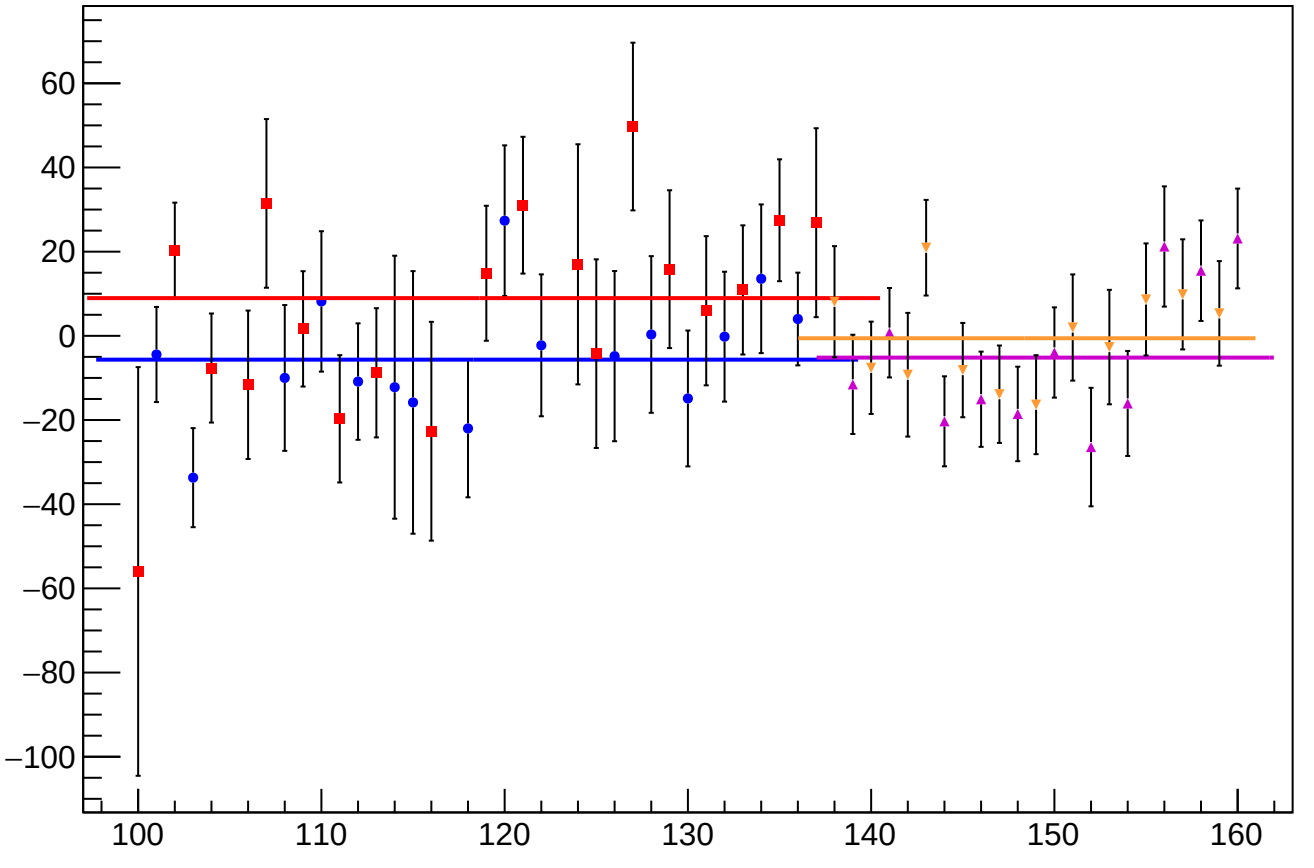
Left: 192.033+/-0.033 χ^2/NDF: 2938095.2/22

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.332+/-0.034 χ^2/NDF:2600612.1/26

Out: 194.199+/-0.036 χ^2/NDF:3100348.4/30

All: 187.366+/-0.024 χ^2/NDF: 5769987.6/57



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: -5.174+/-3.541 χ^2/NDF:20.0/10

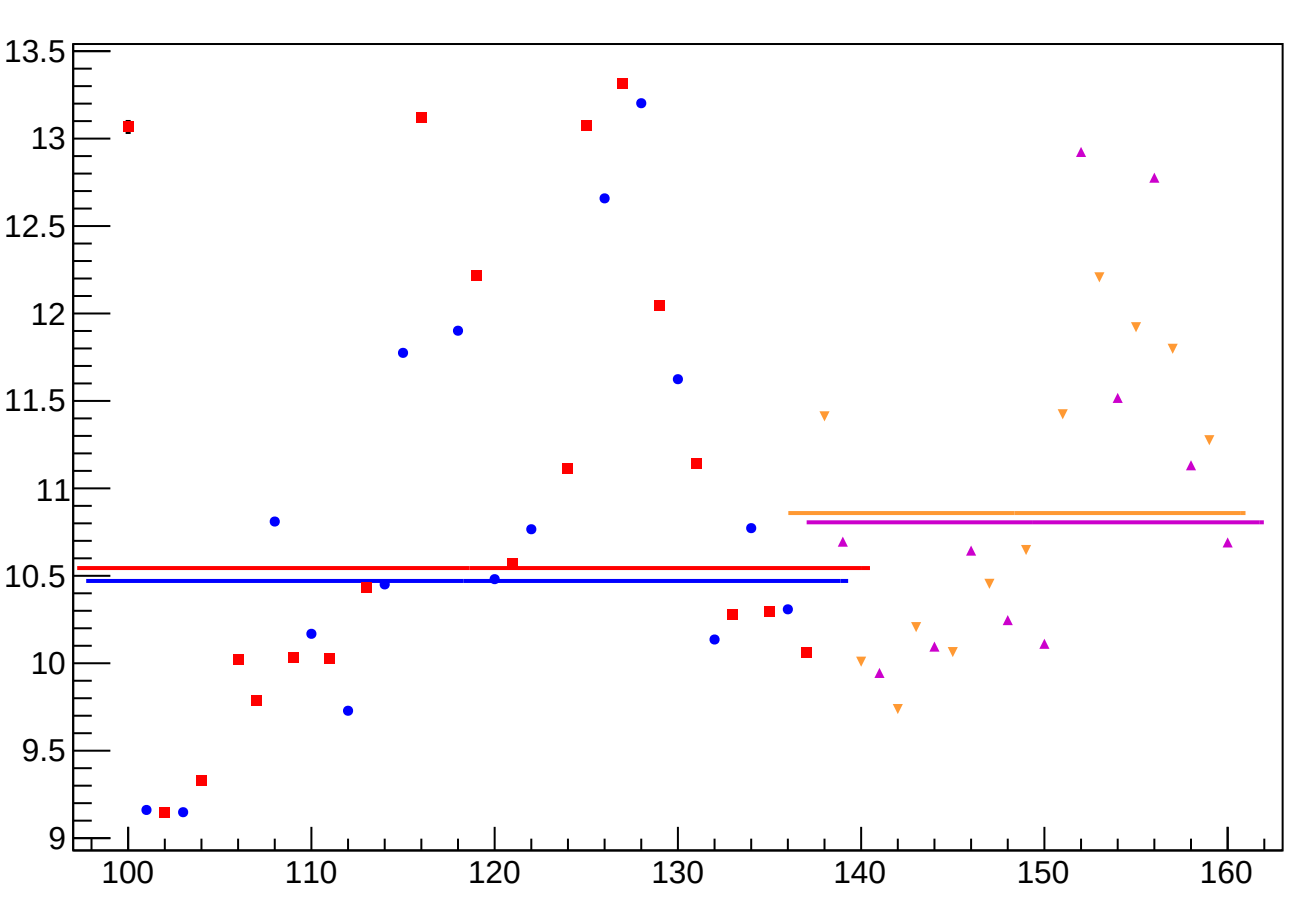
Left: -2.888+/-2.512 χ^2/NDF: 30.6/22

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.390+/-2.633 χ^2/NDF:33.6/26

Out: 3.763+/-2.631 χ^2/NDF:35.8/30

All: -0.809+/-1.861 χ^2/NDF: 75.5/57



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: 10.806+/-0.003 χ^2/NDF:127415.1/10

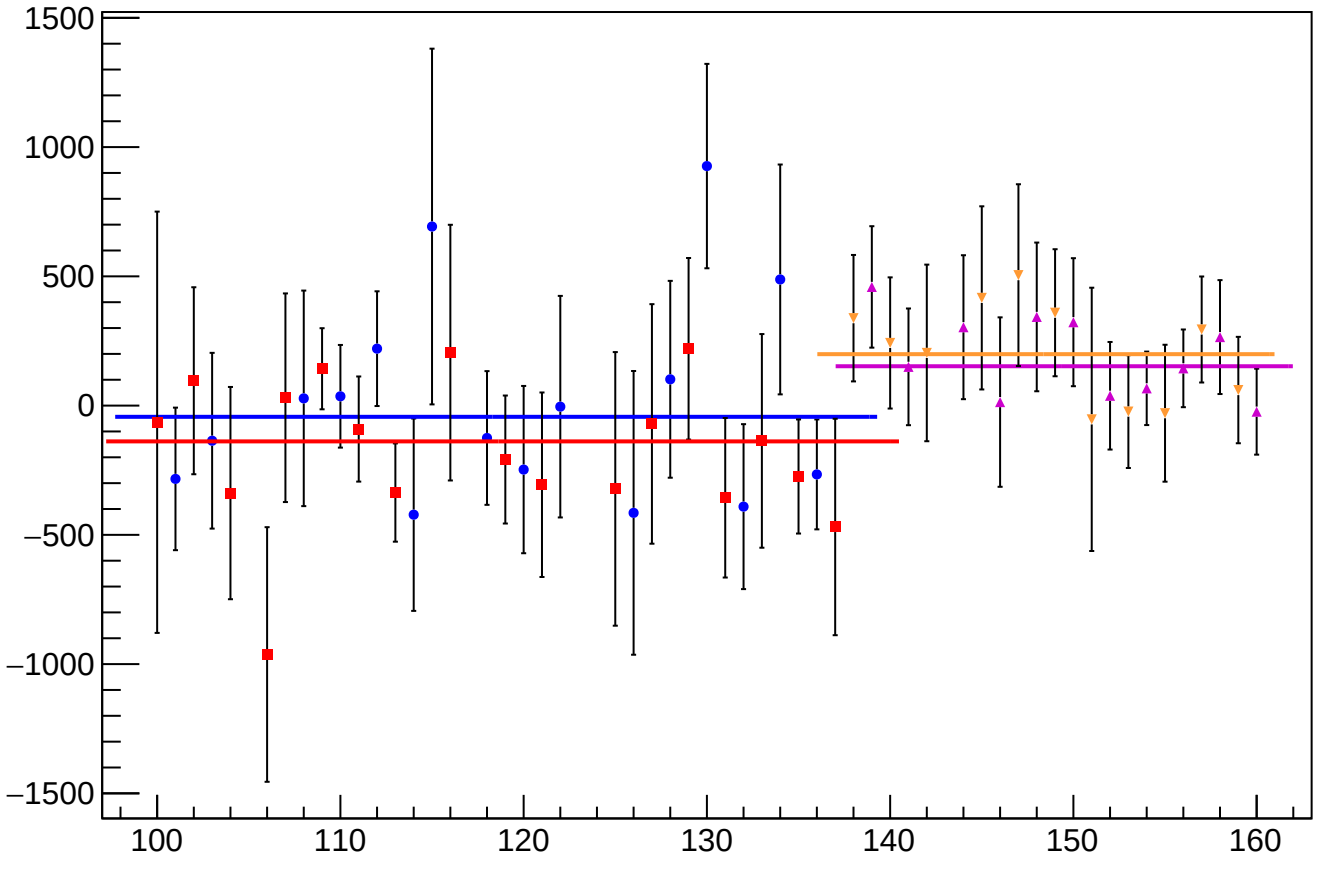
Left: 10.832+/-0.002 χ^2/NDF: 223506.5/22

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.656+/-0.002 χ^2/NDF:292794.8/26

Out: 10.716+/-0.002 χ^2/NDF:289736.1/30

All: 10.686+/-0.001 χ^2/NDF: 583046.4/57



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: 152.262+/-61.779 χ^2/NDF:5.1/10

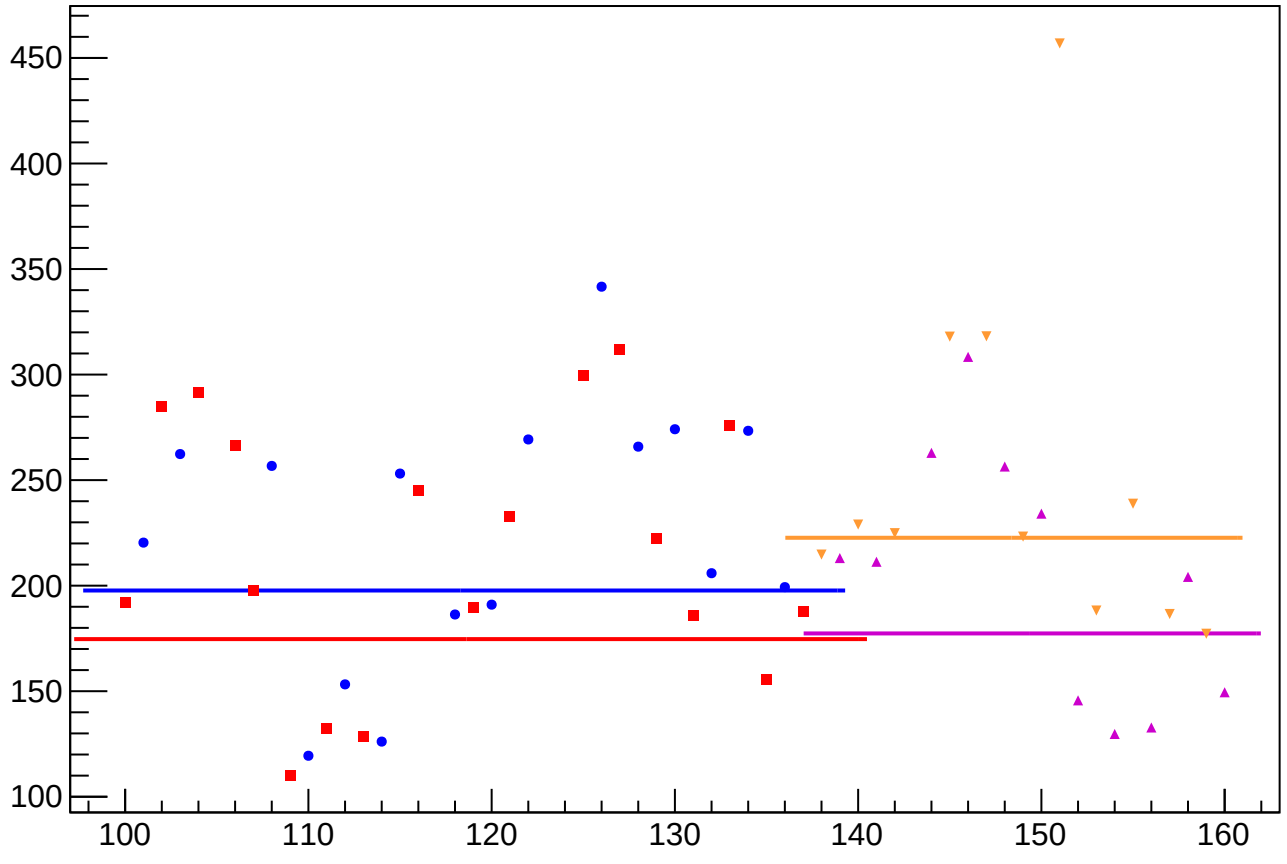
Left: 169.970+/-48.681 χ^2/NDF: 10.0/21

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 76.346+/-48.328 χ^2/NDF:24.5/26

Out: 9.412+/-52.342 χ^2/NDF:26.3/28

All: 45.543+/-35.508 χ^2/NDF: 51.7/55



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: 177.368+/-0.044 χ^2/NDF:1388820.8/10

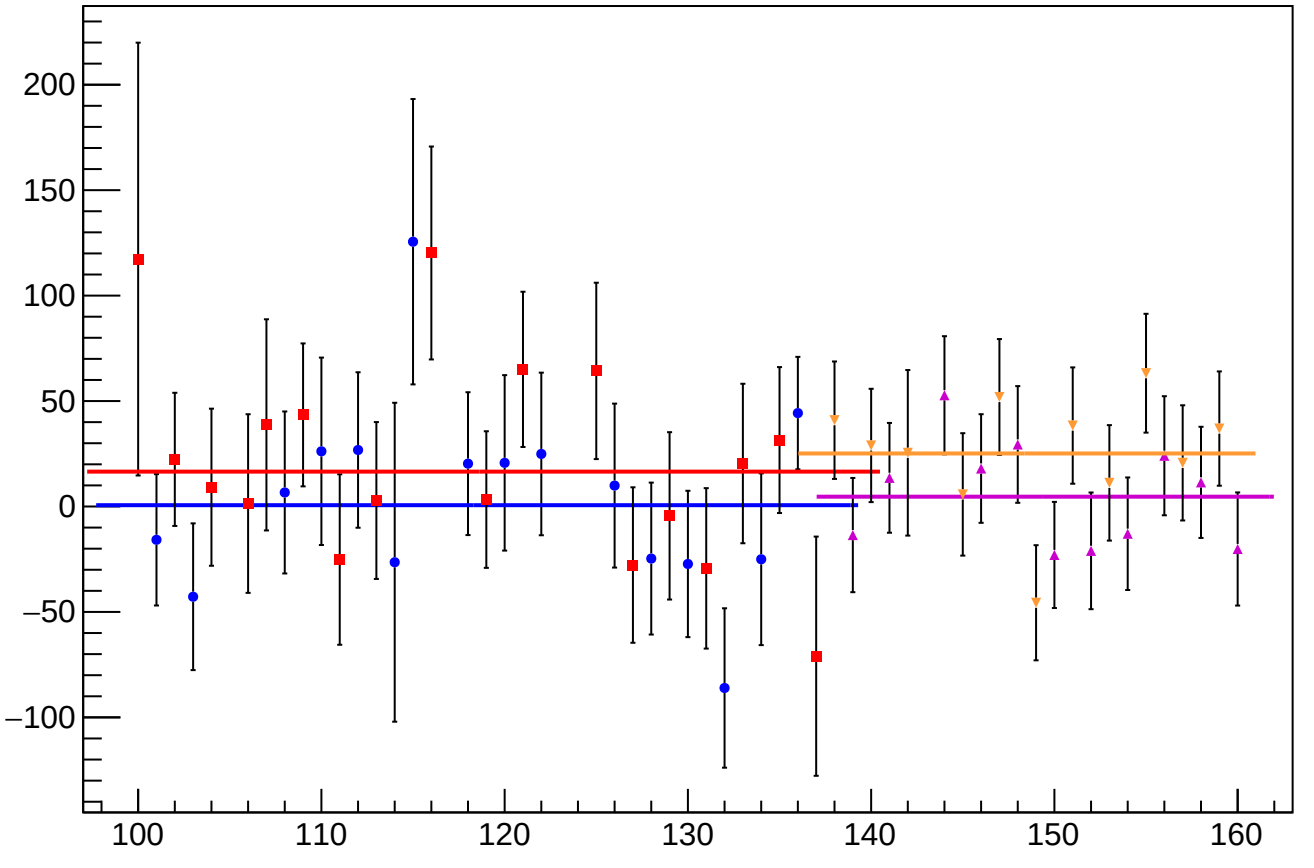
Left: 194.547+/-0.034 χ^2/NDF: 2732188.0/21

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.260+/-0.034 χ^2/NDF:2473263.4/26

Out: 195.717+/-0.037 χ^2/NDF:2884359.5/28

All: 190.072+/-0.025 χ^2/NDF: 5400708.6/55



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: 4.651+/-8.084 χ^2/NDF:8.5/10

Left: 14.367+/-5.863 χ^2/NDF: 22.5/21

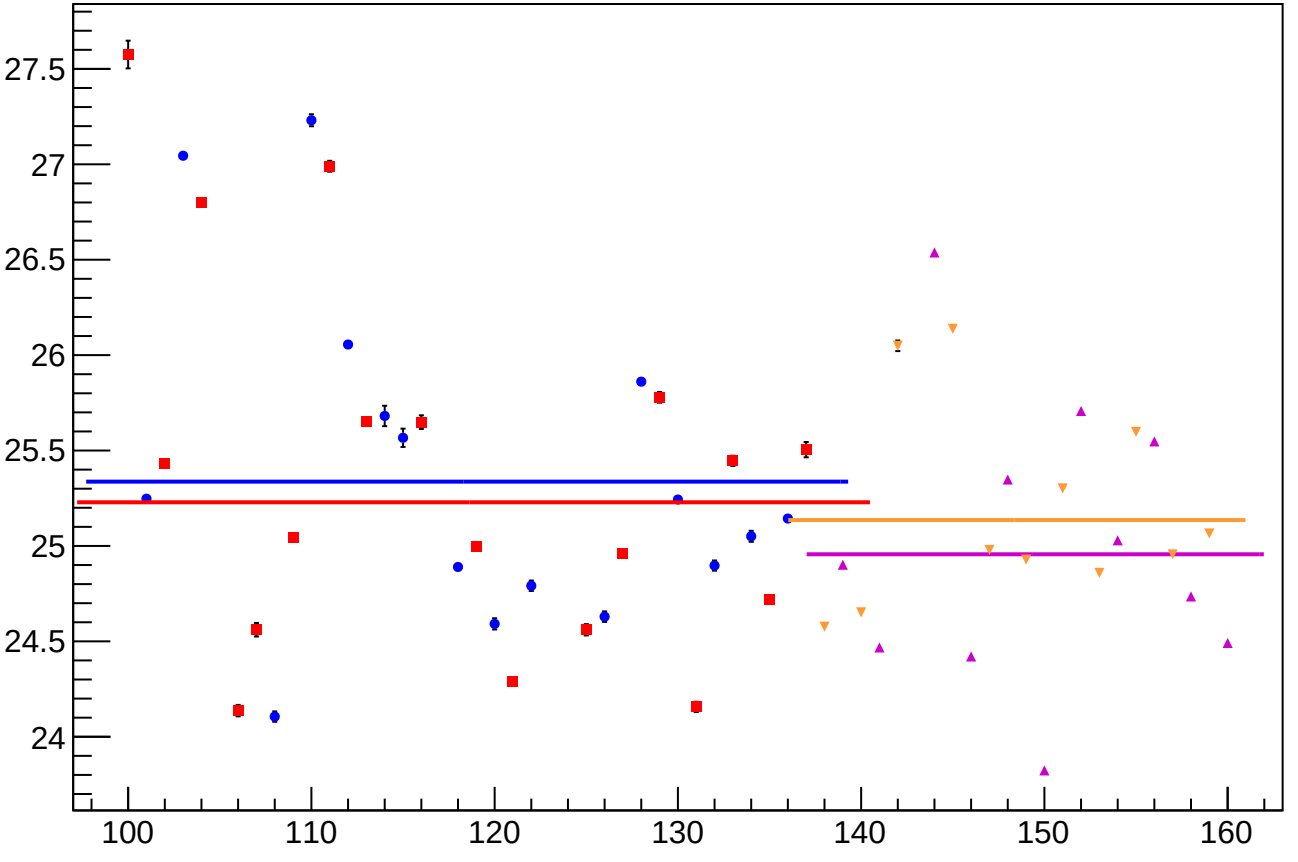
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 2.941+/-6.135 χ^2/NDF:25.3/26

Out: 21.223+/-6.283 χ^2/NDF:27.8/28

All: 11.865+/-4.389 χ^2/NDF: 57.5/55

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: 24.956+/-0.006 χ^2/NDF:15515.7/10

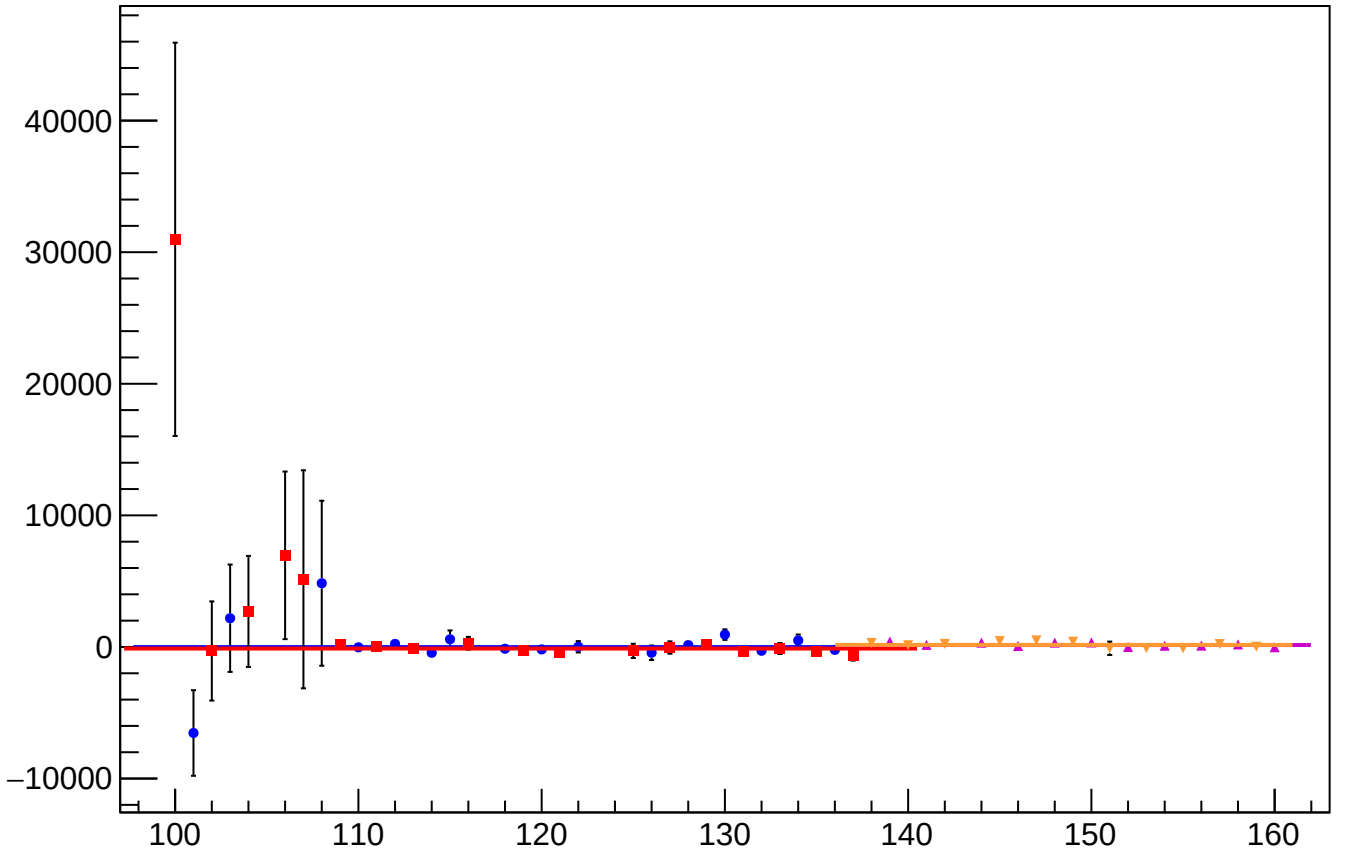
Left: 25.041+/-0.004 χ^2/NDF: 21999.1/21

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.118+/-0.004 χ^2/NDF:31711.7/26

Out: 25.178+/-0.004 χ^2/NDF:21301.6/28

All: 25.147+/-0.003 χ^2/NDF: 53107.9/55



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: 146.976+/-63.126 χ^2/NDF:4.5/10

Left: 150.441+/-49.706 χ^2/NDF: 10.3/21

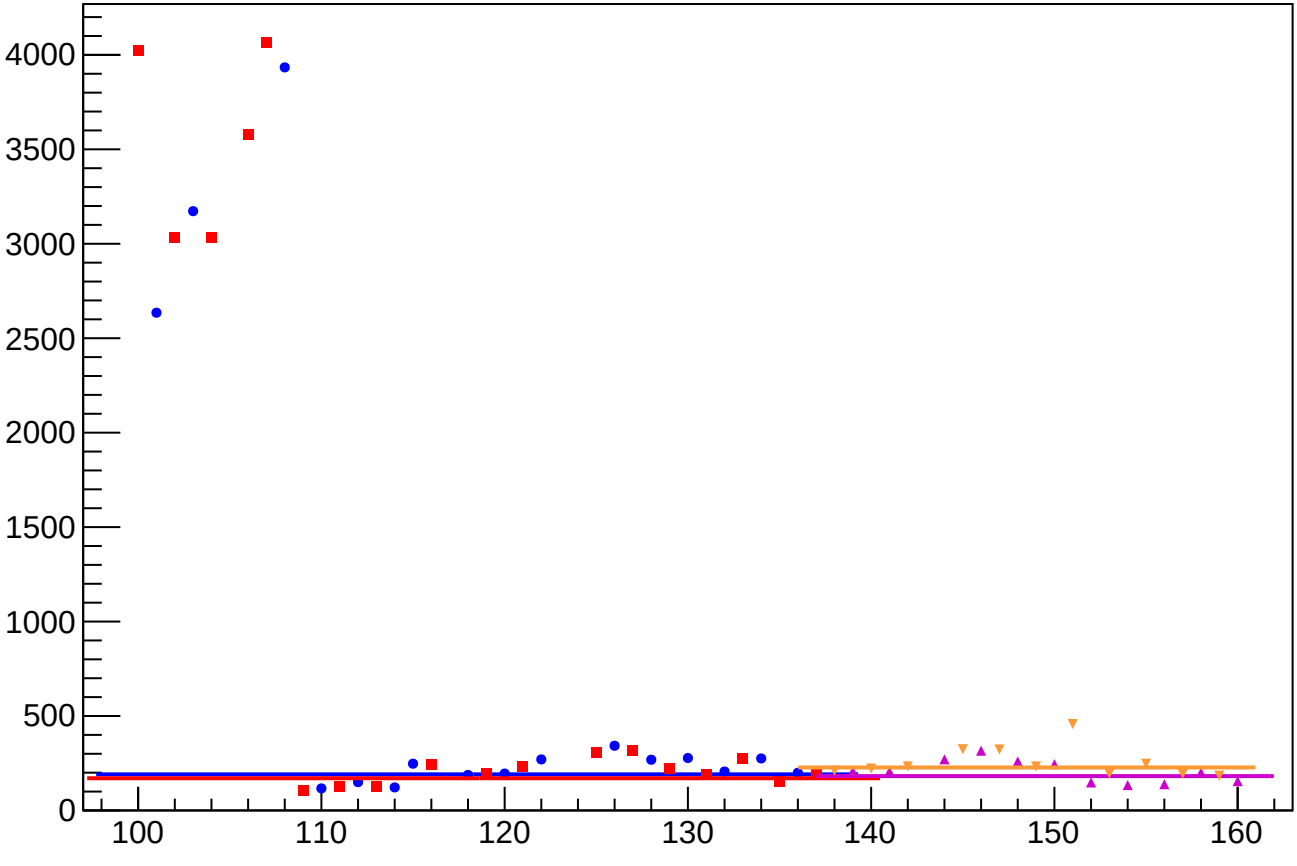
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 89.577+/-50.562 χ^2/NDF:25.1/26

Out: 13.906+/-56.155 χ^2/NDF:26.2/28

All: 55.696+/-37.575 χ^2/NDF: 52.3/55

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.635+/-0.057 χ^2/NDF:894364.4/10

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

Left: 199.235+/-0.035 χ^2/NDF: 2590020.1/21

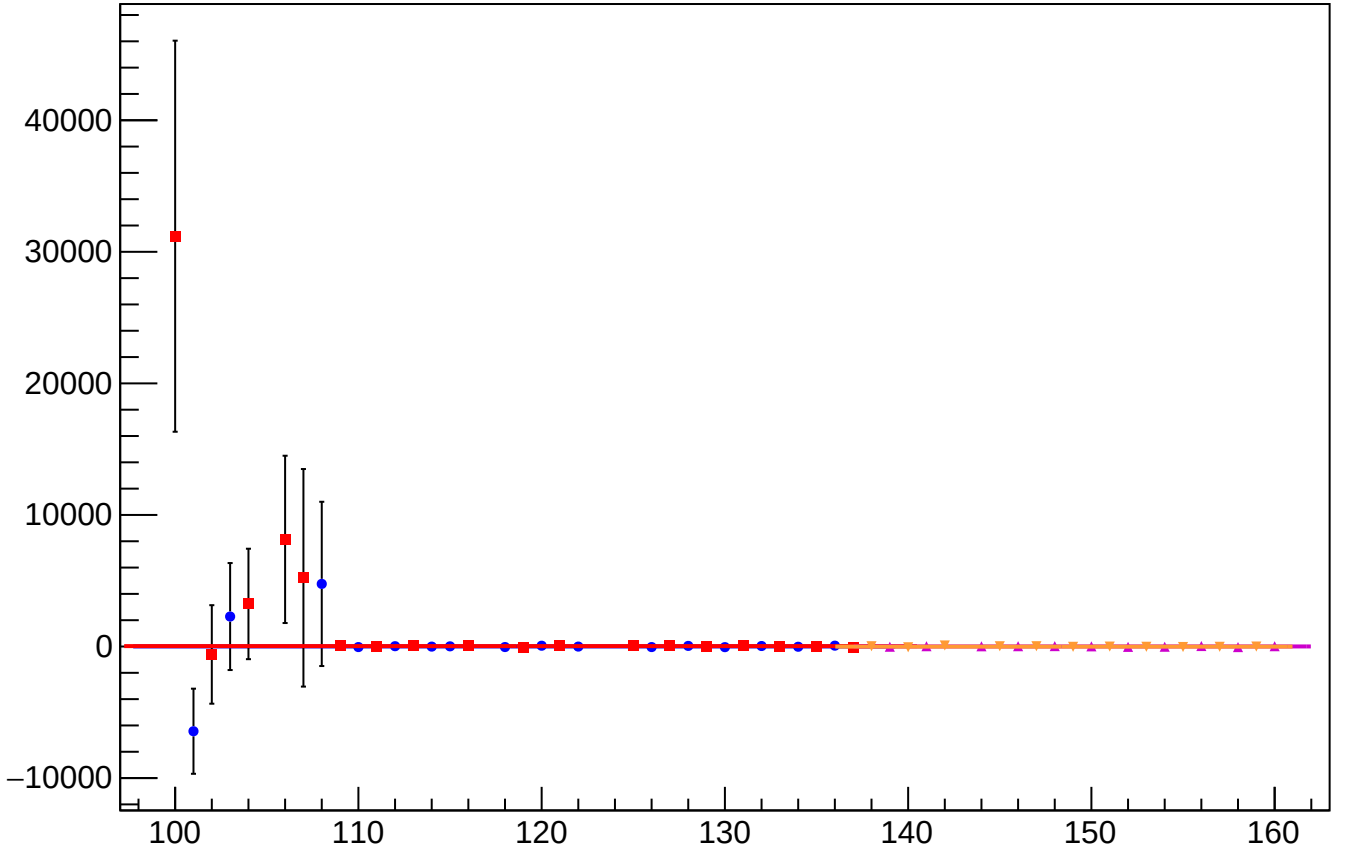
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.142+/-0.036 χ^2/NDF:5144843.1/26

Out: 198.205+/-0.040 χ^2/NDF:5666432.4/28

All: 190.991+/-0.027 χ^2/NDF: 10871048.7/55

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: 5.387+/-9.626 χ^2/NDF:7.5/10

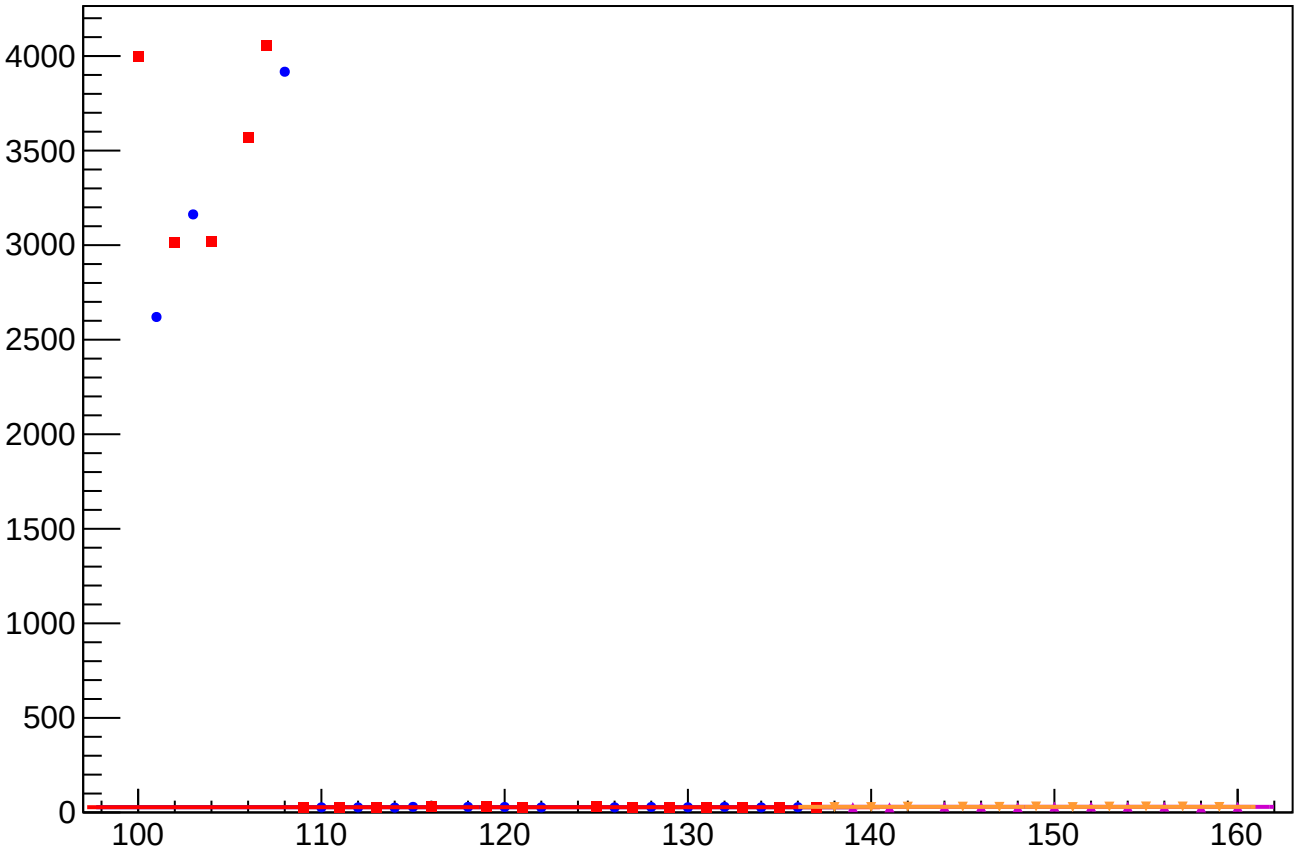
Left: -0.618+/-6.951 χ^2/NDF: 18.0/21

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 5.829+/-7.450 χ^2/NDF:25.8/26

Out: 8.332+/-7.726 χ^2/NDF:35.4/28

All: 7.035+/-5.363 χ^2/NDF: 61.3/55



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: 29.639+/-0.007 χ^2/NDF:68751.9/10

Left: 29.623+/-0.005 χ^2/NDF: 98768.8/21

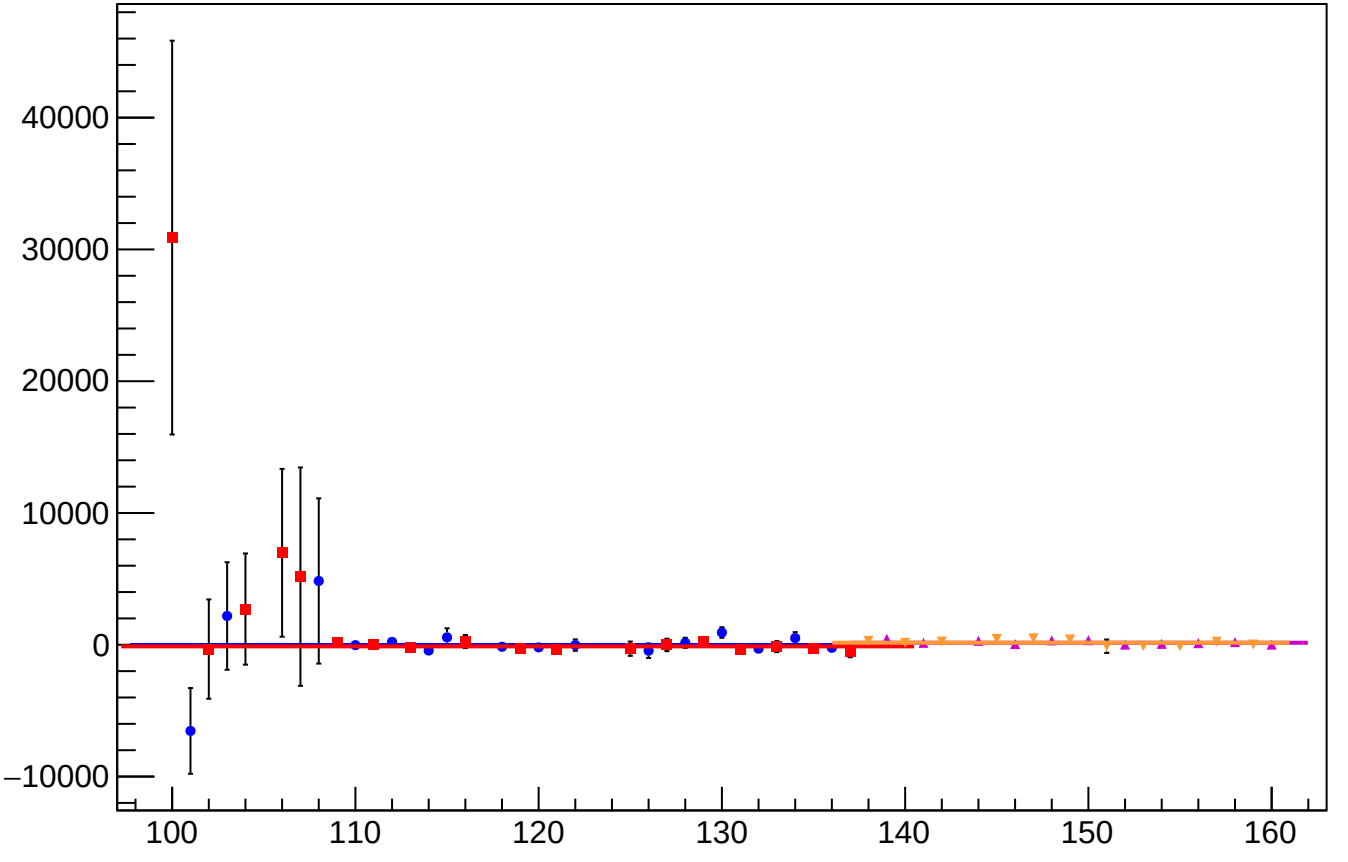
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.911+/-0.005 χ^2/NDF:3363137.2/26

Out: 28.859+/-0.005 χ^2/NDF:3615446.6/28

All: 28.886+/-0.004 χ^2/NDF: 6978632.2/55

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



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: 153.905+/-63.741 χ^2/NDF:4.3/10

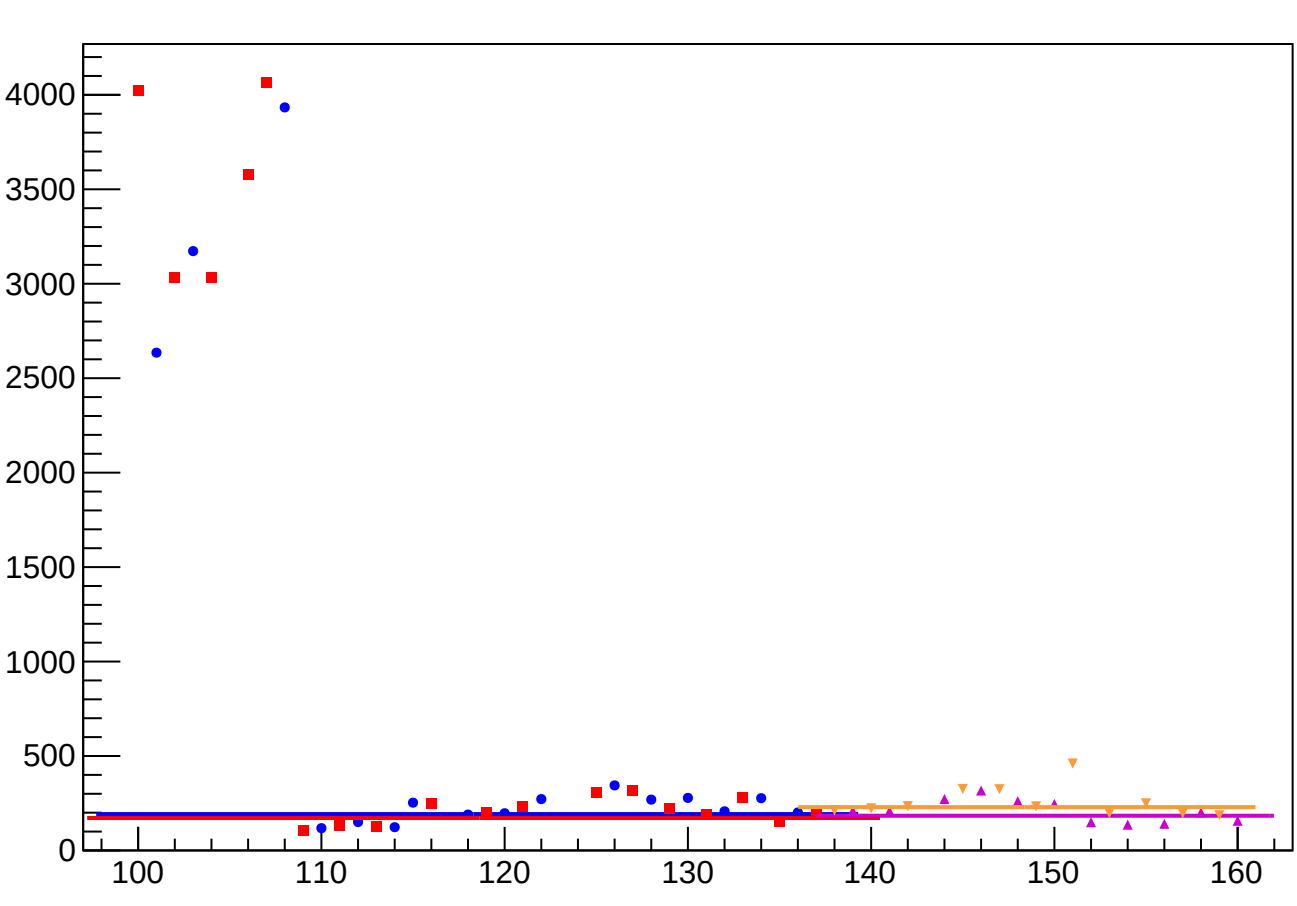
Left: 155.372+/-50.145 χ^2/NDF: 10.1/21

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 91.541+/-51.009 χ^2/NDF:25.2/26

Out: 13.946+/-56.575 χ^2/NDF:25.1/28

All: 56.748+/-37.884 χ^2/NDF: 51.3/55



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: 183.841+/-0.045 χ^2/NDF:1257023.0/10

Left: 201.223+/-0.035 χ^2/NDF: 2527891.5/21

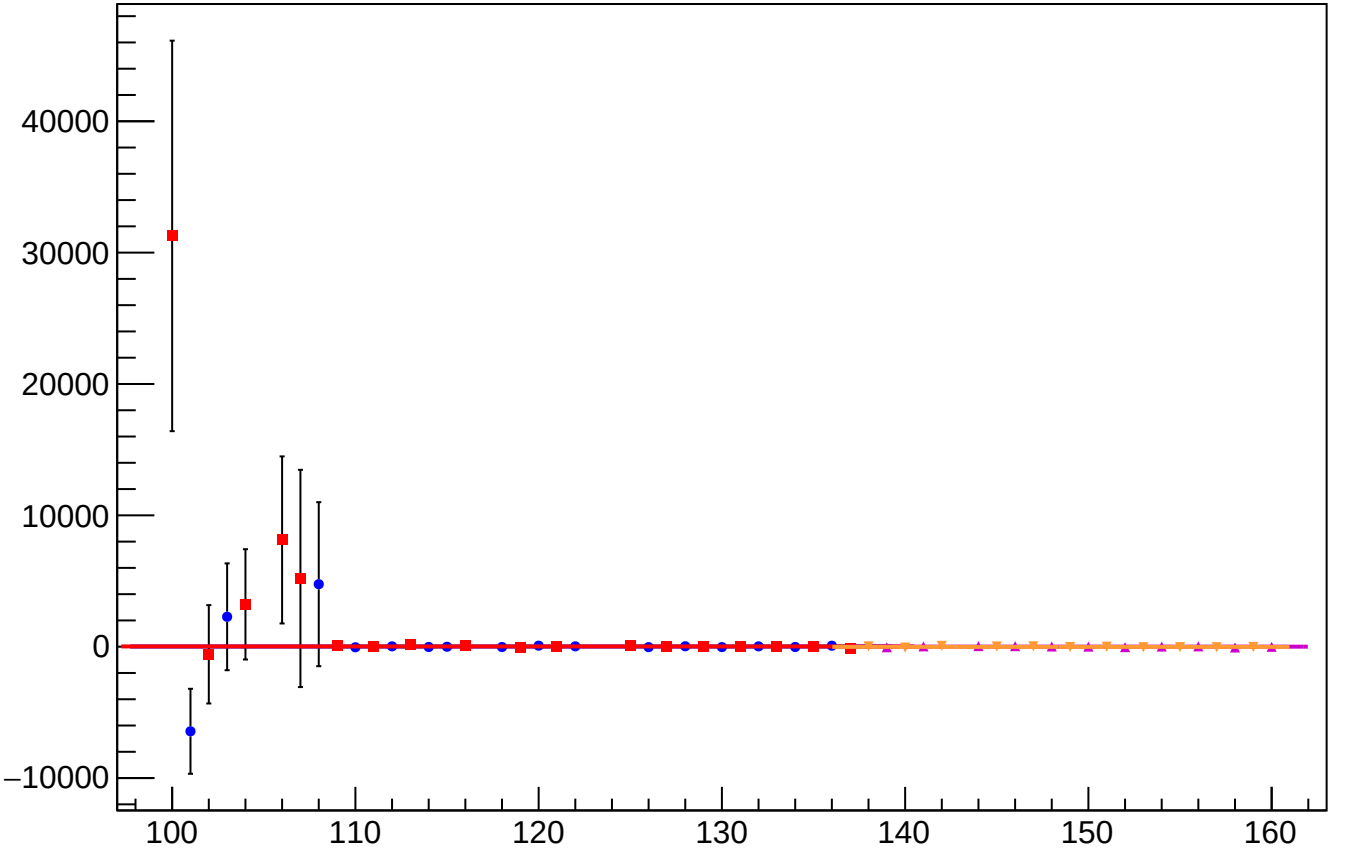
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 186.976+/-0.036 χ^2/NDF:5093268.4/26

Out: 199.817+/-0.040 χ^2/NDF:5645371.9/28

All: 192.734+/-0.027 χ^2/NDF: 10795470.5/55

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: 3.719+/-10.297 χ^2/NDF:10.7/10

Left: -3.947+/-7.433 χ^2/NDF: 21.6/21

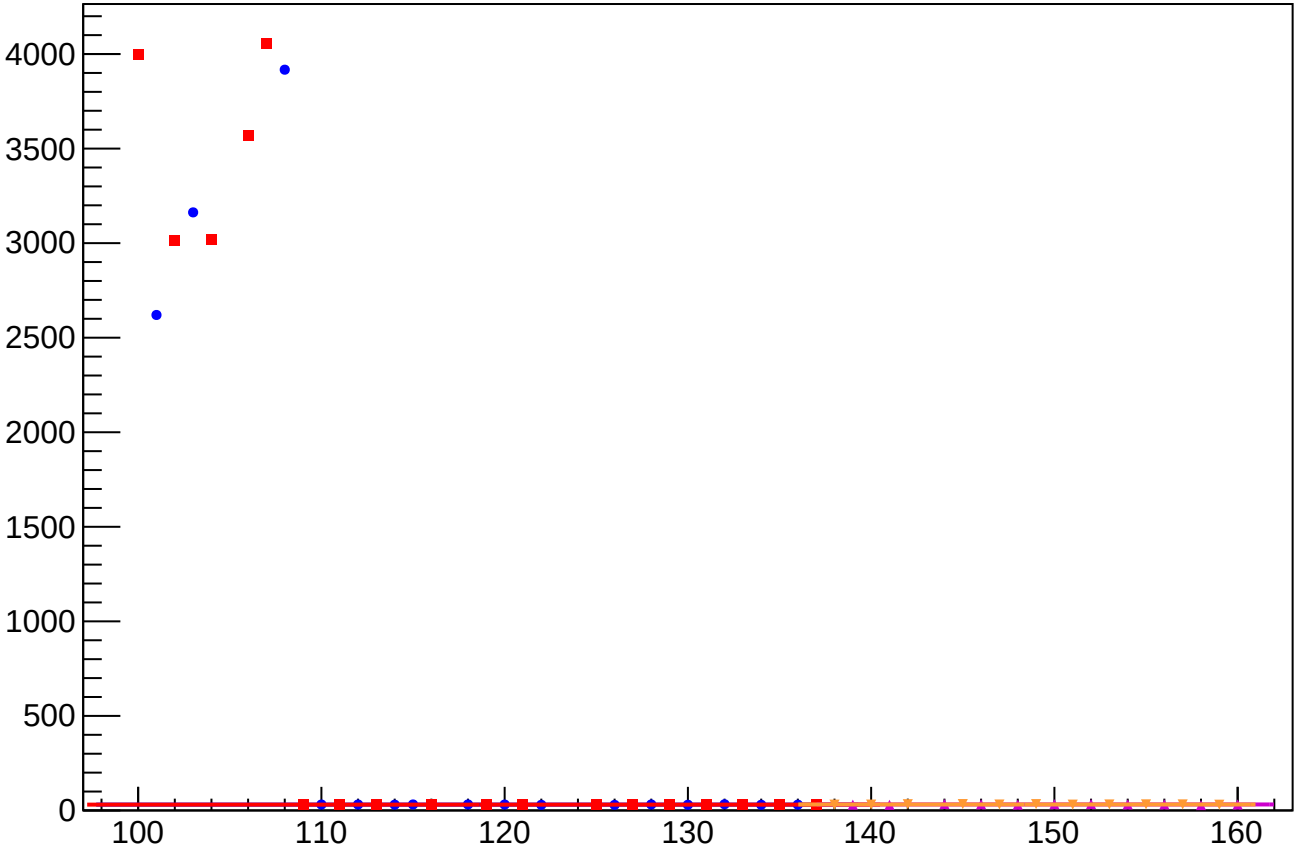
Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 7.549+/-8.086 χ^2/NDF:26.5/26

Out: 1.109+/-8.376 χ^2/NDF:42.1/28

All: 4.442+/-5.818 χ^2/NDF: 68.9/55

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



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: 31.718+/-0.007 χ^2/NDF:53139.8/10

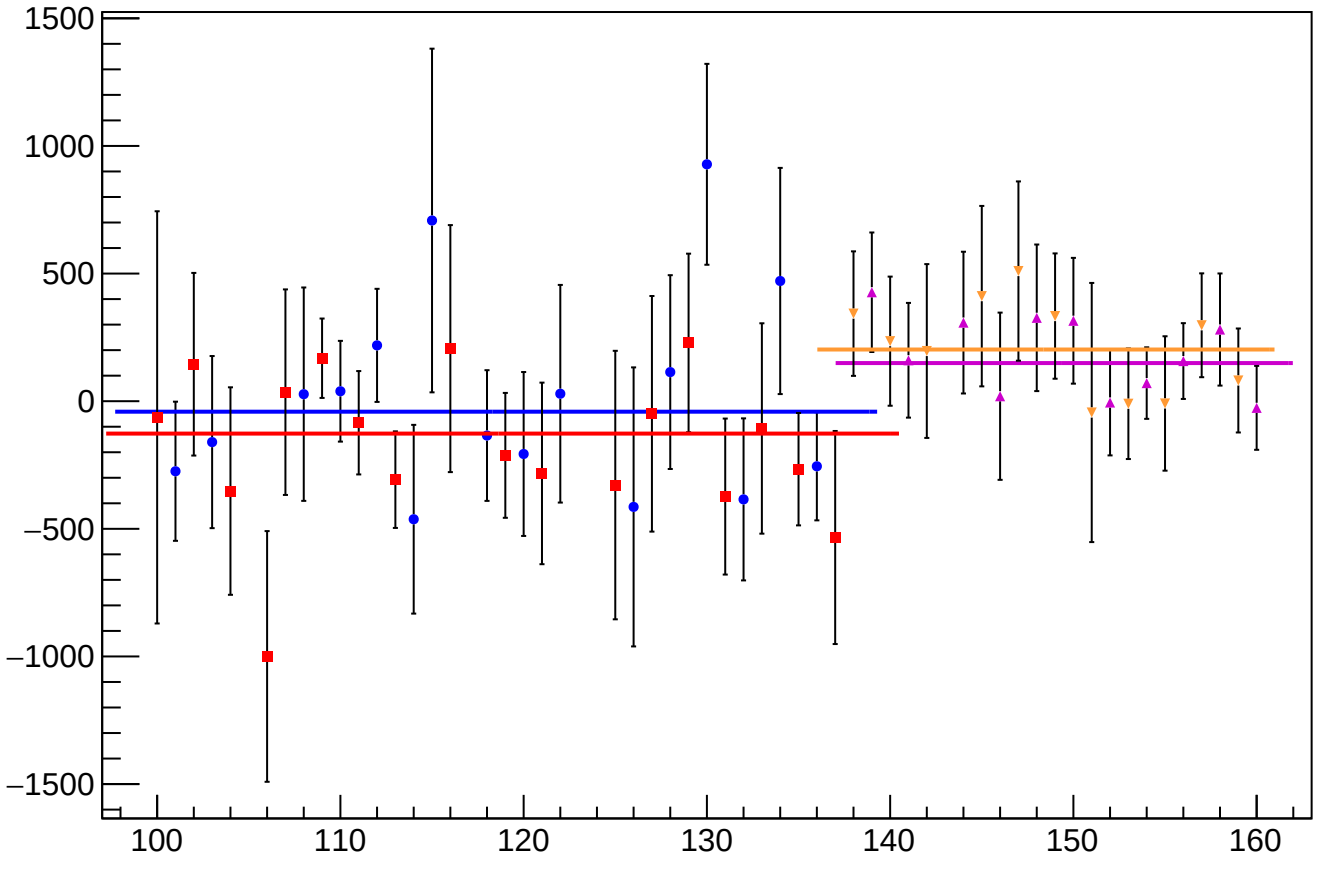
Left: 31.694+/-0.005 χ^2/NDF: 72429.9/21

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.415+/-0.006 χ^2/NDF:3310256.4/26

Out: 31.329+/-0.006 χ^2/NDF:3560286.0/28

All: 31.374+/-0.004 χ^2/NDF: 6870652.6/55



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: 149.392+/-61.286 χ^2/NDF:5.1/10

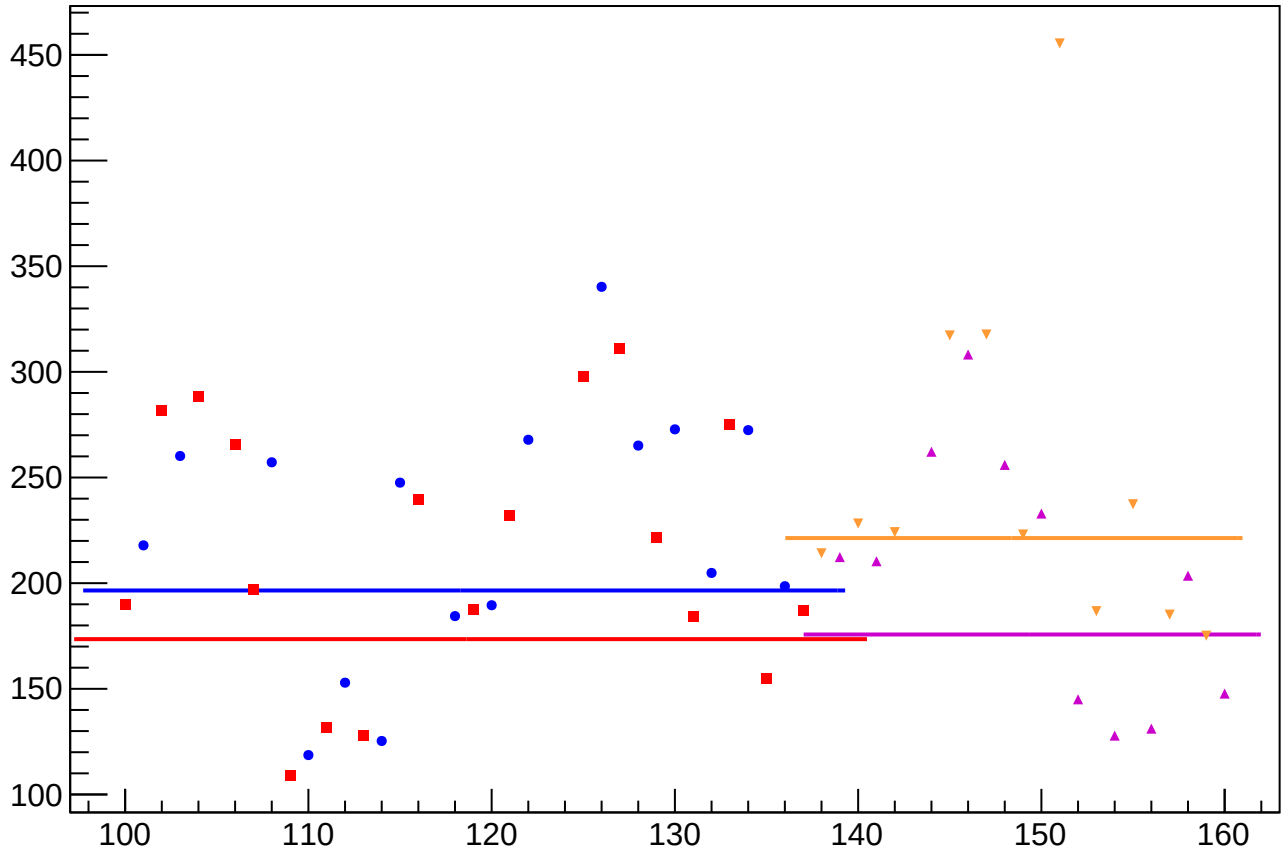
Left: 169.444+/-48.342 χ^2/NDF: 9.5/21

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 75.674+/-47.985 χ^2/NDF:24.4/26

Out: 17.248+/-52.030 χ^2/NDF:26.8/28

All: 48.820+/-35.274 χ^2/NDF: 51.9/55



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: 175.711+/-0.043 χ^2/NDF:1429232.4/10

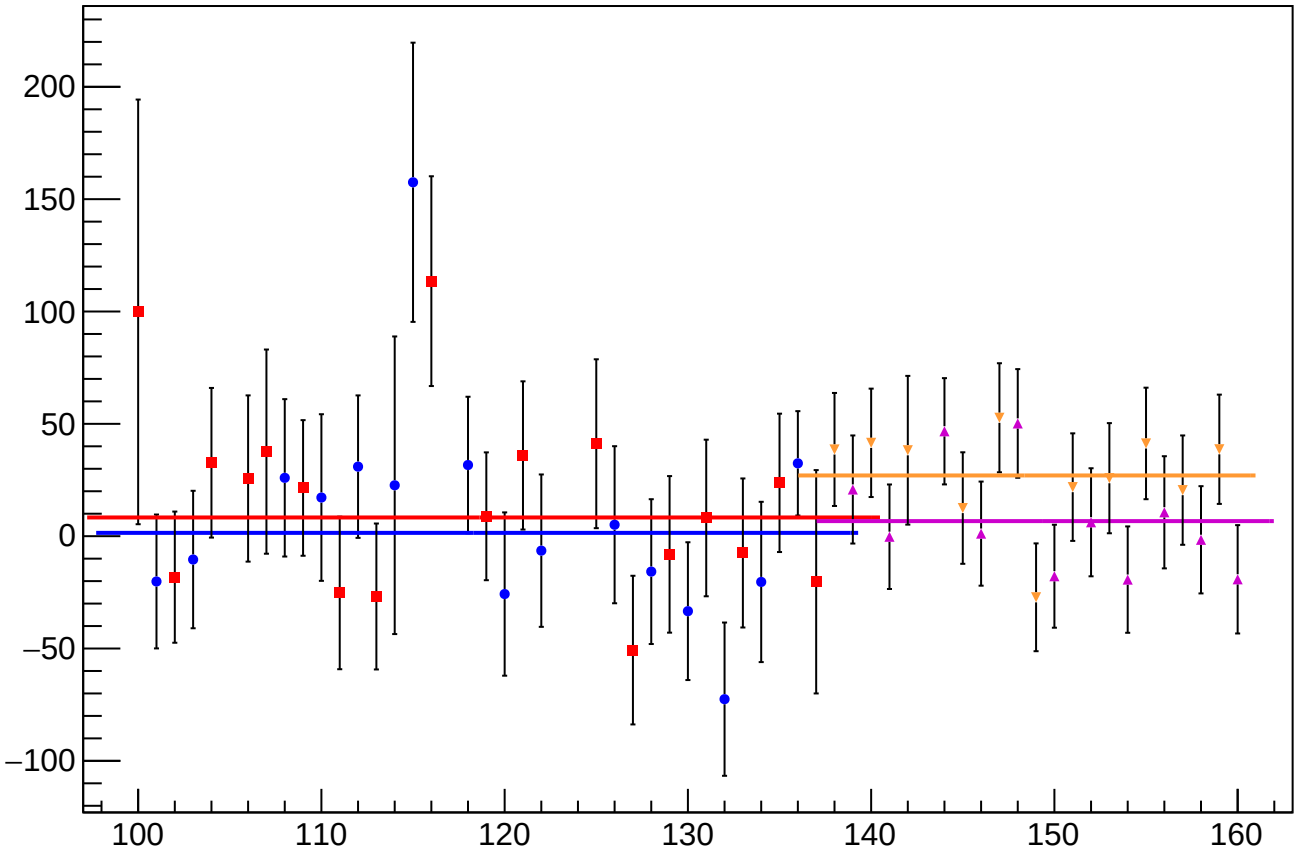
Left: 192.951+/-0.034 χ^2/NDF: 2799448.0/21

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 183.772+/-0.034 χ^2/NDF:2519415.5/26

Out: 194.444+/-0.037 χ^2/NDF:2900062.3/28

All: 188.677+/-0.025 χ^2/NDF: 5464946.9/55



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: 6.707+/-7.173 χ^2/NDF:10.2/10

Left: 16.388+/-5.190 χ^2/NDF: 22.0/21

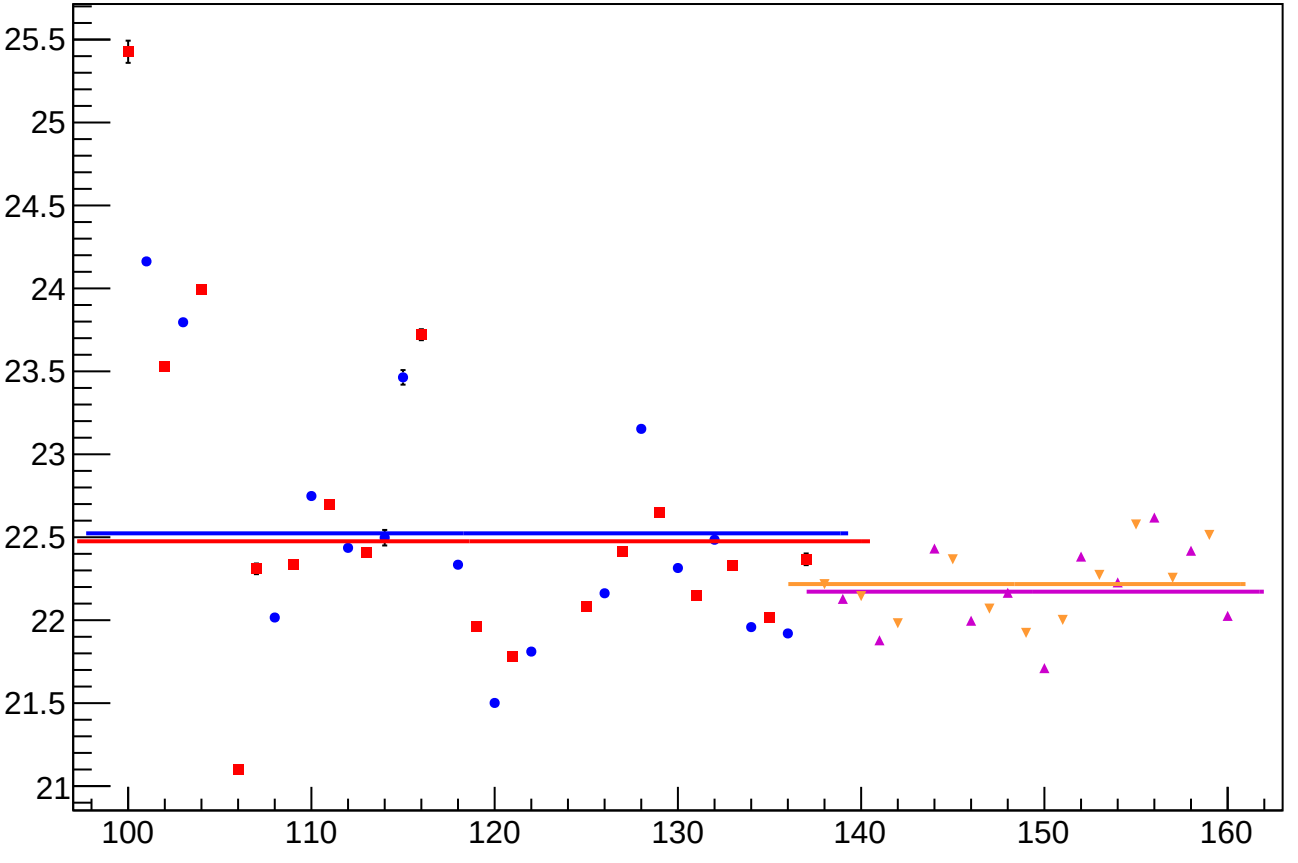
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.492+/-5.447 χ^2/NDF:29.1/26

Out: 18.582+/-5.569 χ^2/NDF:26.8/28

All: 11.381+/-3.894 χ^2/NDF: 59.2/55

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: 22.172+/-0.005 χ^2/NDF:2582.5/10

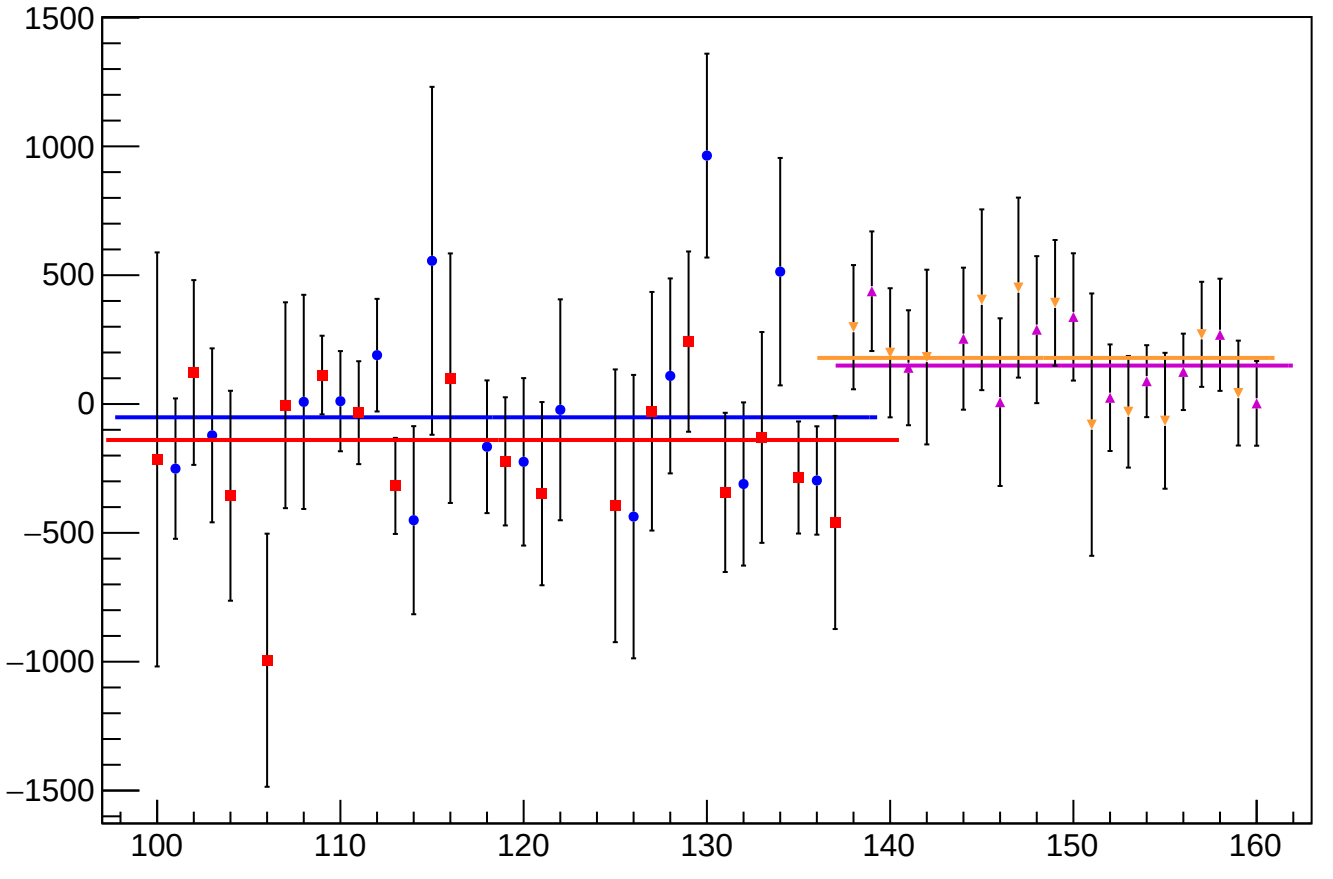
Left: 22.194+/-0.004 χ^2/NDF: 4082.5/21

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.321+/-0.004 χ^2/NDF:20565.8/26

Out: 22.334+/-0.004 χ^2/NDF:18059.8/28

All: 22.327+/-0.003 χ^2/NDF: 38631.6/55



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: 149.251+/-61.060 χ^2/NDF:4.4/10

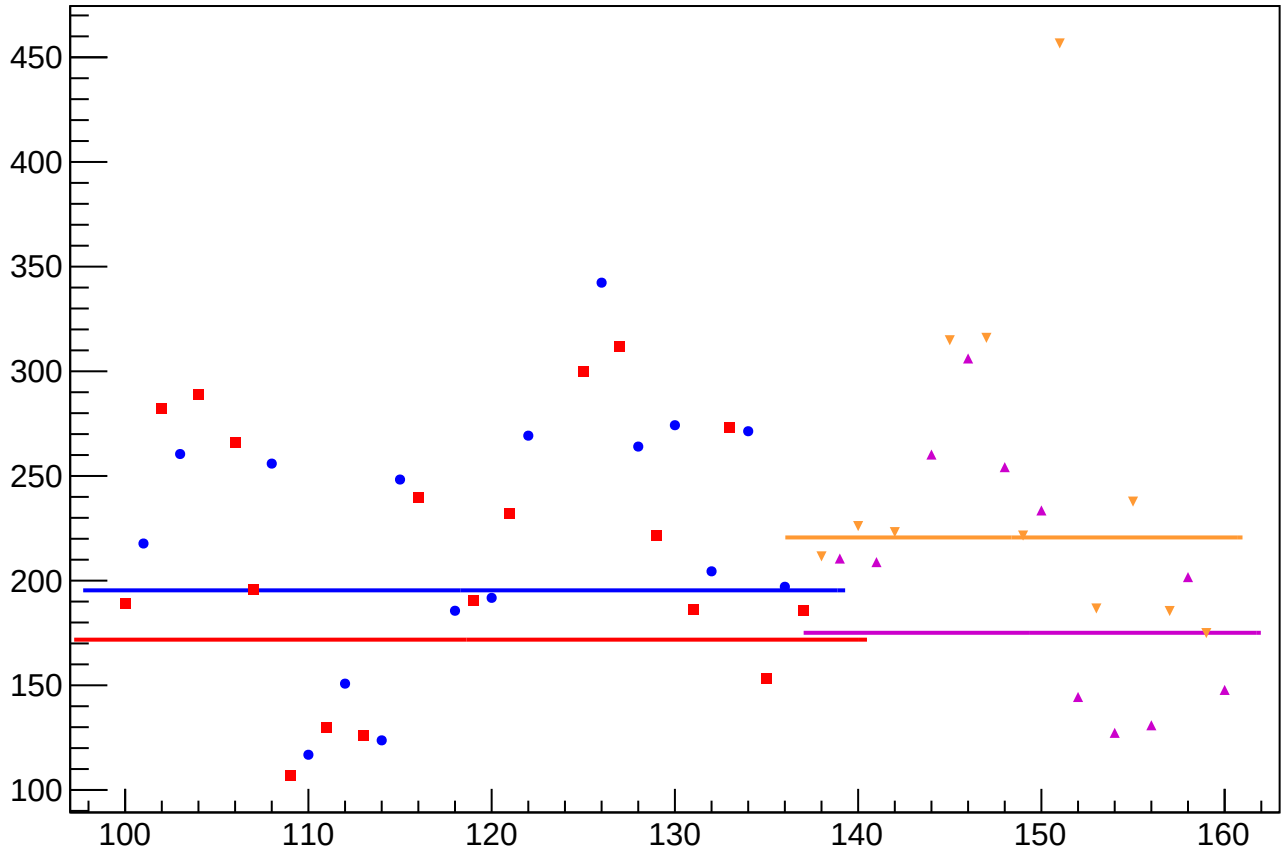
Left: 160.493+/-48.171 χ^2/NDF: 9.2/21

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 71.502+/-47.795 χ^2/NDF:23.9/26

Out: -0.729+/-51.746 χ^2/NDF:25.6/28

All: 38.249+/-35.110 χ^2/NDF: 50.6/55



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: 175.084+/-0.043 χ^2/NDF:1414613.9/10

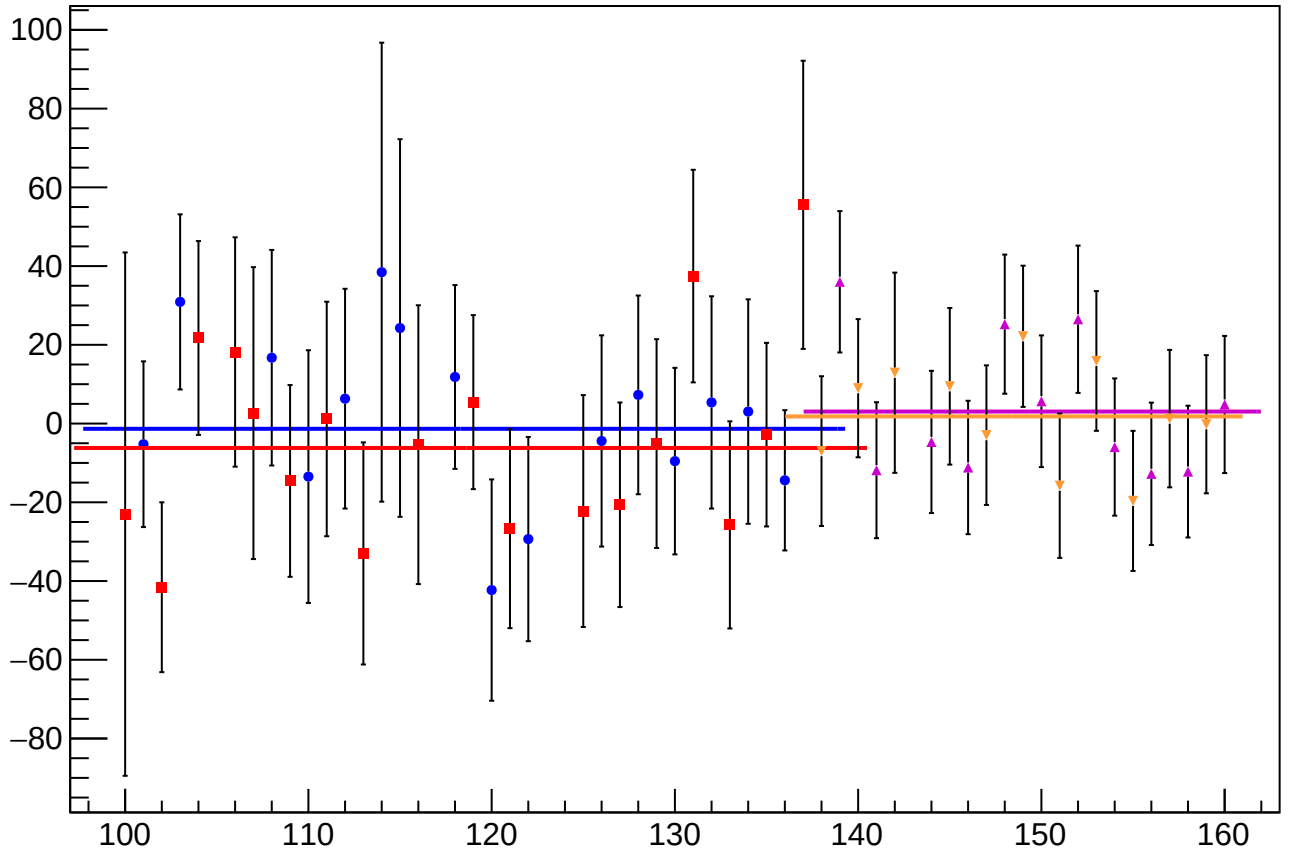
Left: 192.283+/-0.034 χ^2/NDF: 2779507.3/21

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 182.937+/-0.034 χ^2/NDF:2541472.1/26

Out: 193.081+/-0.037 χ^2/NDF:2983128.8/28

All: 187.607+/-0.025 χ^2/NDF: 5566073.3/55



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: 3.052+/-5.281 χ^2/NDF:10.0/10

Left: 2.464+/-3.833 χ^2/NDF: 15.2/21

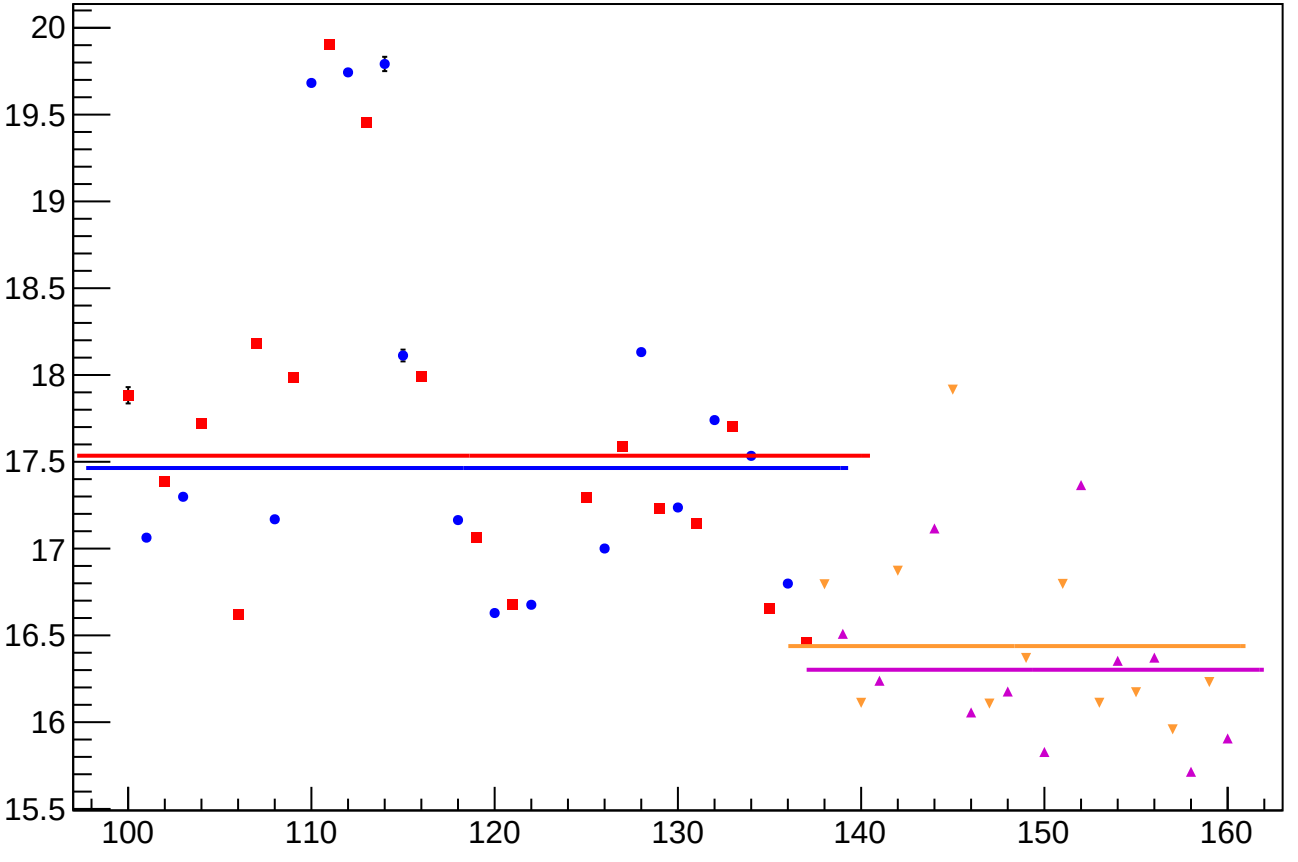
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.309+/-4.098 χ^2/NDF:18.3/26

Out: -1.597+/-4.223 χ^2/NDF:19.4/28

All: -0.101+/-2.941 χ^2/NDF: 38.0/55

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.438+/-0.004 χ^2/NDF:17408.6/10

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.302+/-0.004 χ^2/NDF:16494.5/10

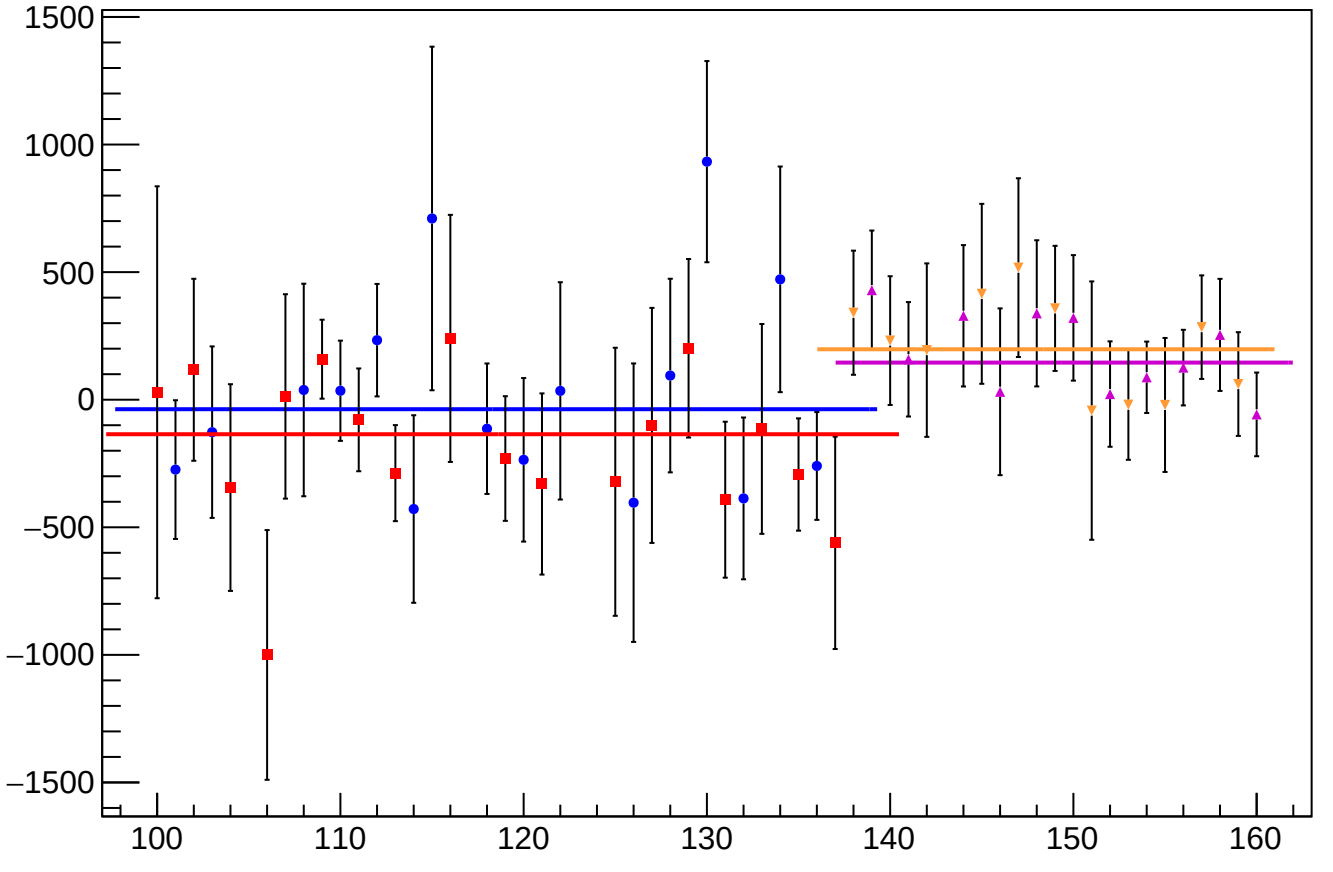
Left: 16.366+/-0.003 χ^2/NDF: 34533.6/21

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.764+/-0.003 χ^2/NDF:91668.4/26

Out: 16.905+/-0.003 χ^2/NDF:84863.5/28

All: 16.833+/-0.002 χ^2/NDF: 177677.6/55



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: 145.461+/-61.163 χ^2/NDF:5.3/10

Left: 165.187+/-48.239 χ^2/NDF: 10.2/21

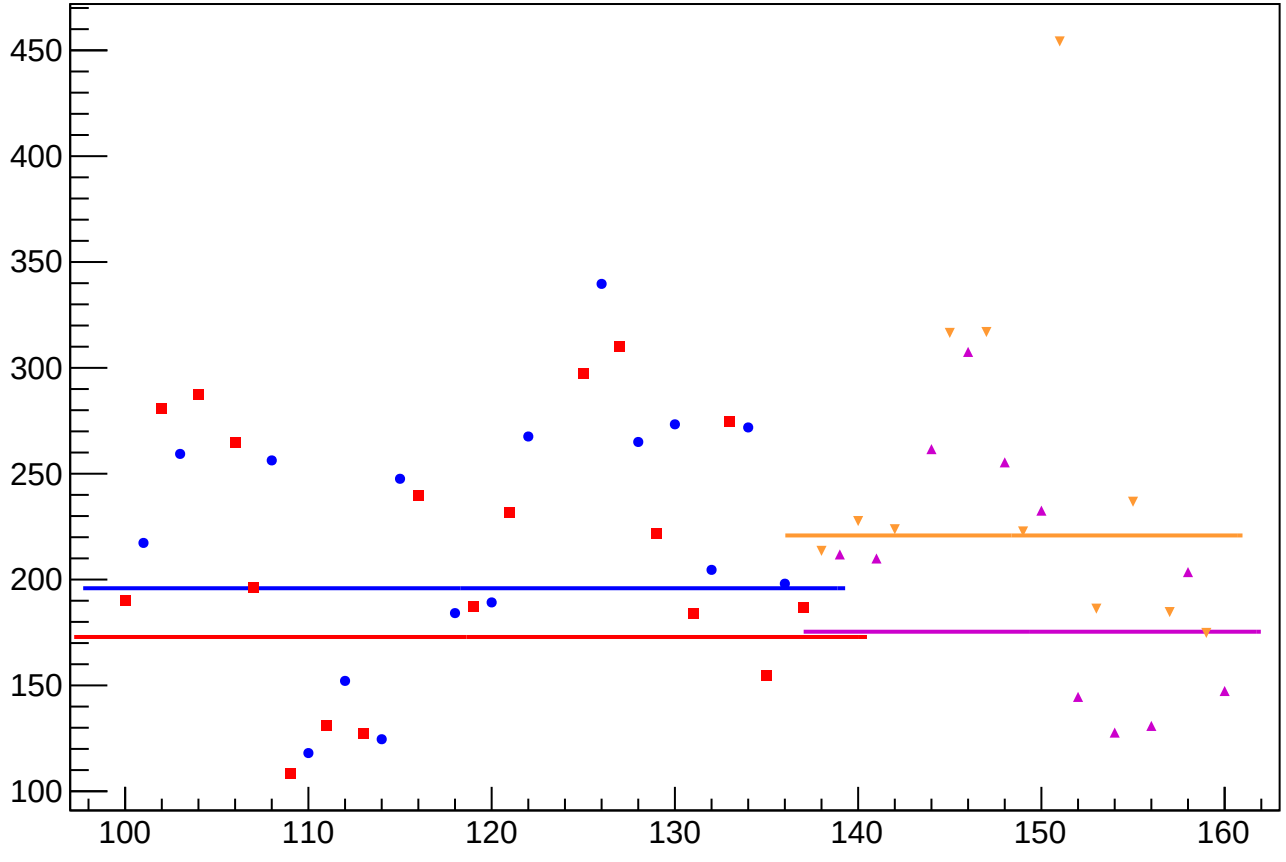
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 74.685+/-47.872 χ^2/NDF:24.4/26

Out: 10.274+/-51.883 χ^2/NDF:27.5/28

All: 45.065+/-35.183 χ^2/NDF: 52.8/55

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



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: 175.360+/-0.043 χ^2/NDF:1429504.4/10

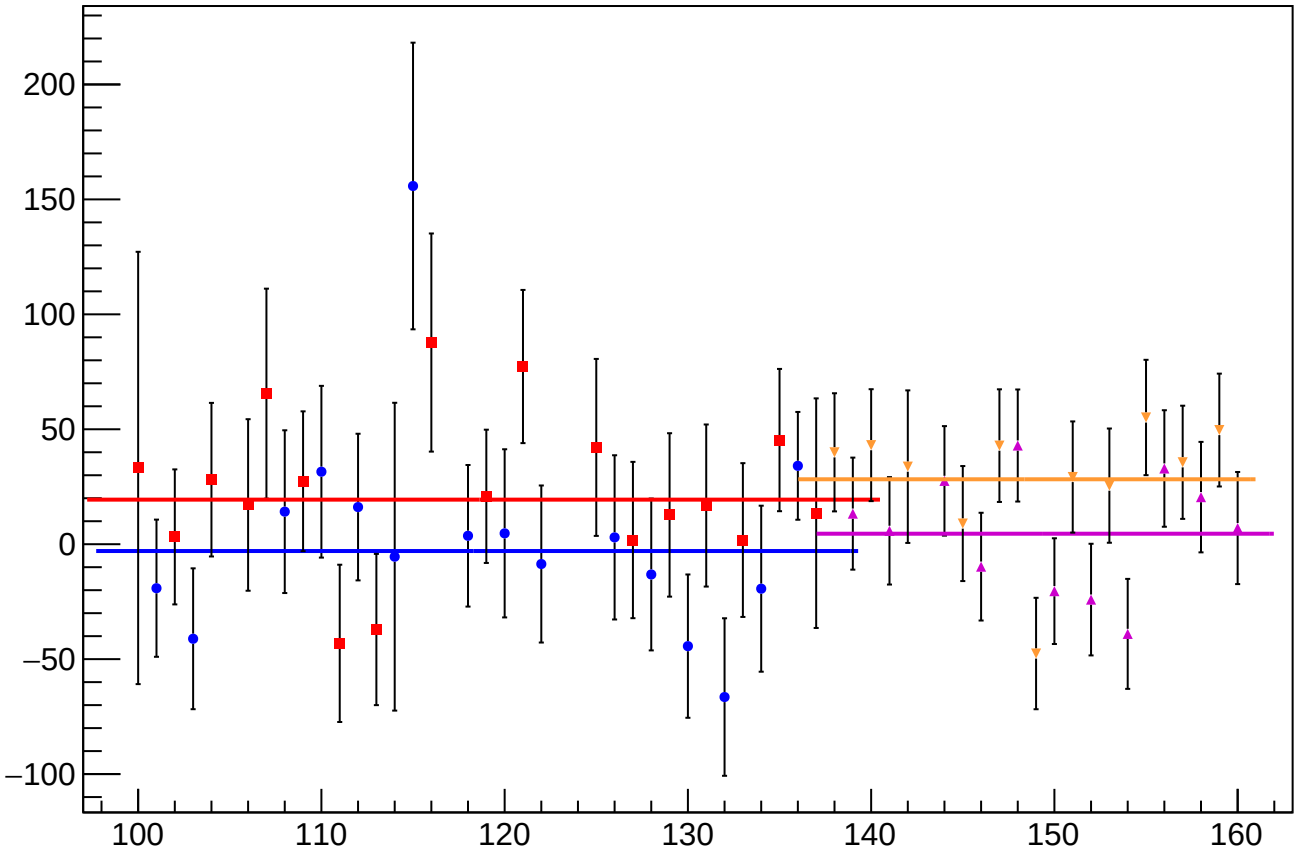
Left: 192.547+/-0.034 χ^2/NDF: 2798428.3/21

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 183.317+/-0.034 χ^2/NDF:2527892.6/26

Out: 193.841+/-0.037 χ^2/NDF:2914867.7/28

All: 188.156+/-0.025 χ^2/NDF: 5487213.6/55



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: 4.563+/-7.239 χ^2/NDF:11.5/10

Left: 15.823+/-5.242 χ^2/NDF: 29.9/21

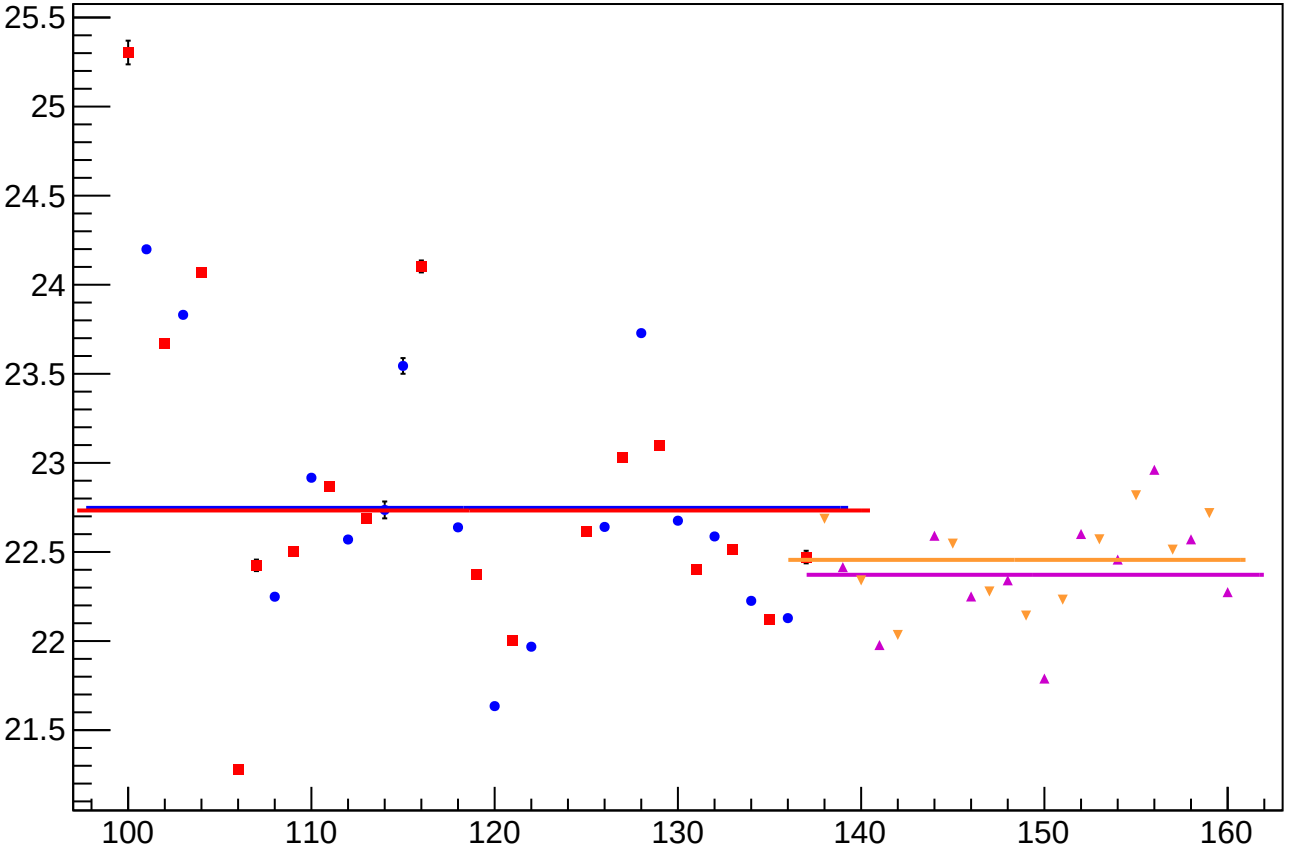
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 1.378+/-5.498 χ^2/NDF:29.9/26

Out: 24.246+/-5.631 χ^2/NDF:28.5/28

All: 12.540+/-3.934 χ^2/NDF: 66.8/55

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: 22.372+/-0.005 χ^2/NDF:3538.5/10

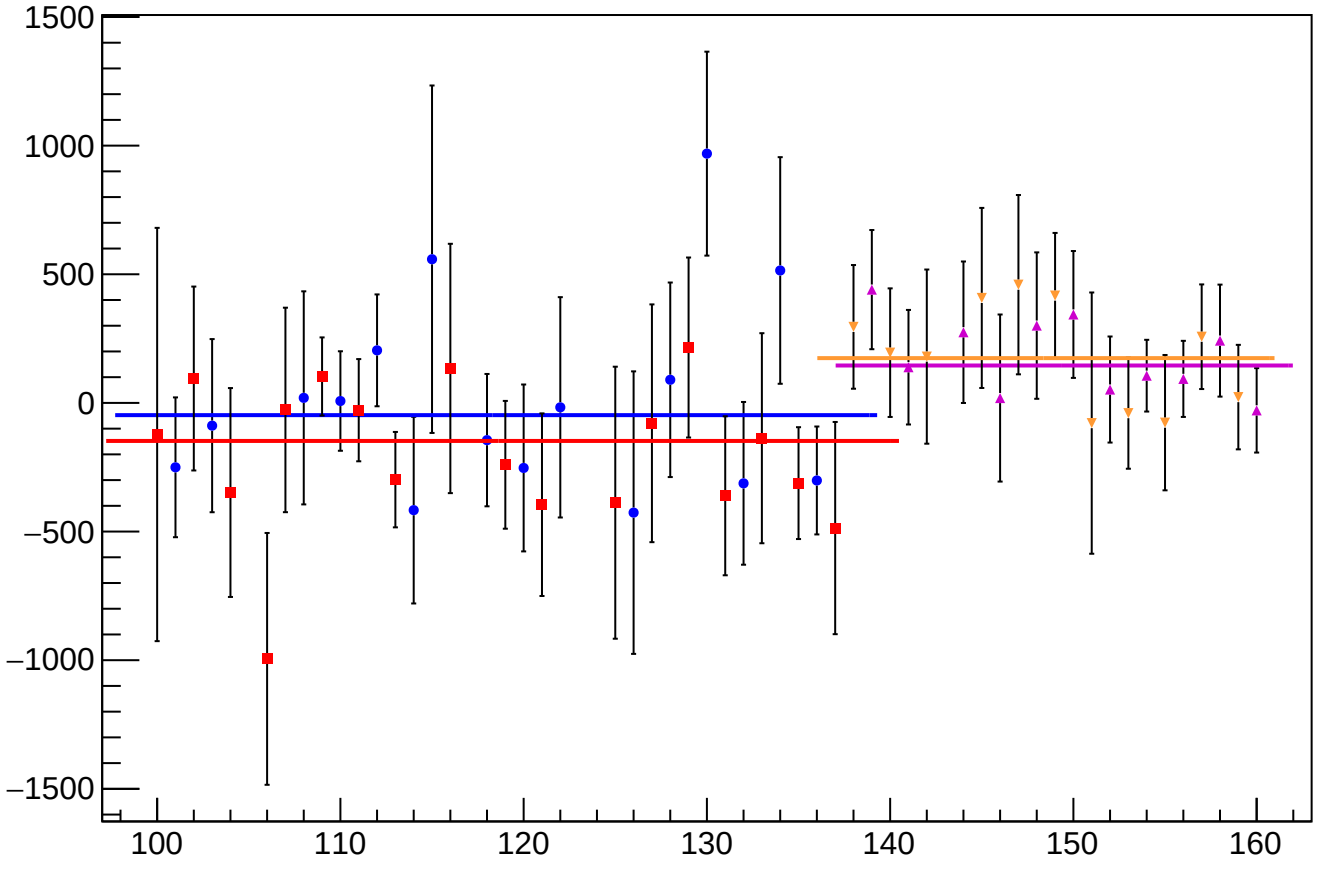
Left: 22.412+/-0.004 χ^2/NDF: 5530.0/21

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.531+/-0.004 χ^2/NDF:20438.7/26

Out: 22.581+/-0.004 χ^2/NDF:17454.1/28

All: 22.555+/-0.003 χ^2/NDF: 37973.7/55



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: 145.416+/-60.937 χ^2/NDF:4.7/10

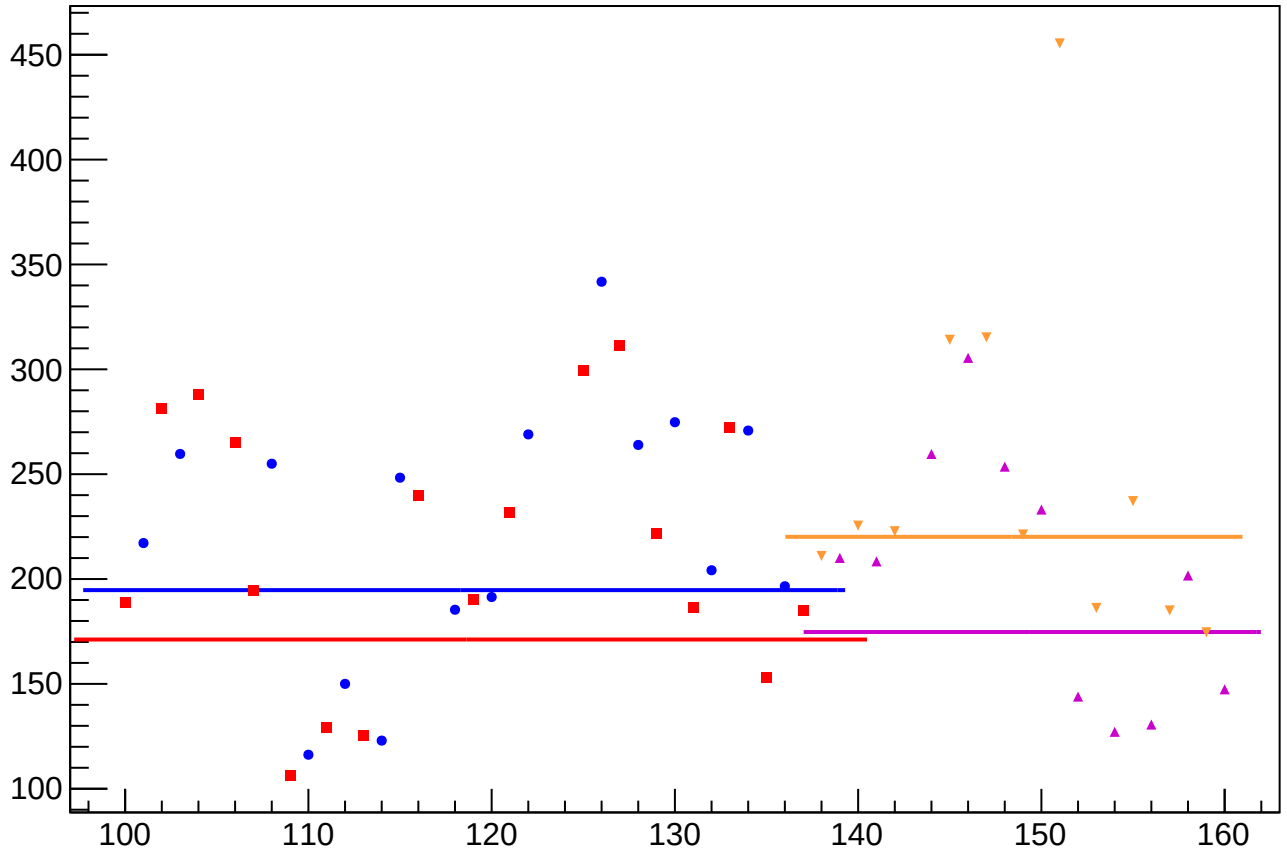
Left: 156.250+/-48.069 χ^2/NDF: 10.0/21

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 70.602+/-47.681 χ^2/NDF:24.0/26

Out: -7.697+/-51.597 χ^2/NDF:26.3/28

All: 34.536+/-35.018 χ^2/NDF: 51.5/55



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: 174.734+/-0.043 χ^2/NDF:1414745.1/10

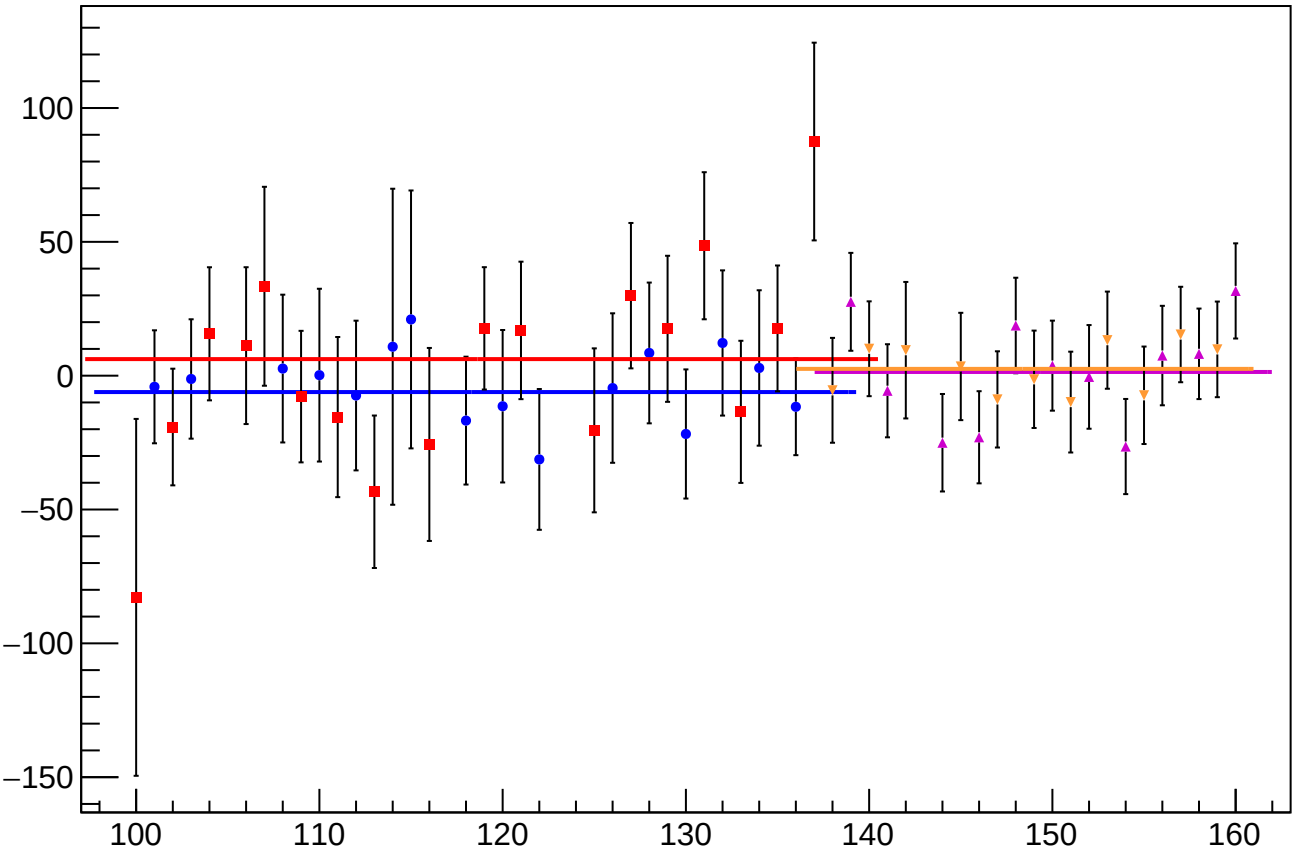
Left: 191.880+/-0.034 χ^2/NDF: 2778300.4/21

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 182.479+/-0.034 χ^2/NDF:2550357.2/26

Out: 192.469+/-0.036 χ^2/NDF:2999090.4/28

All: 187.080+/-0.025 χ^2/NDF: 5589888.6/55



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: 1.389+/-5.365 χ^2/NDF:12.9/10

Left: 1.934+/-3.897 χ^2/NDF: 15.6/21

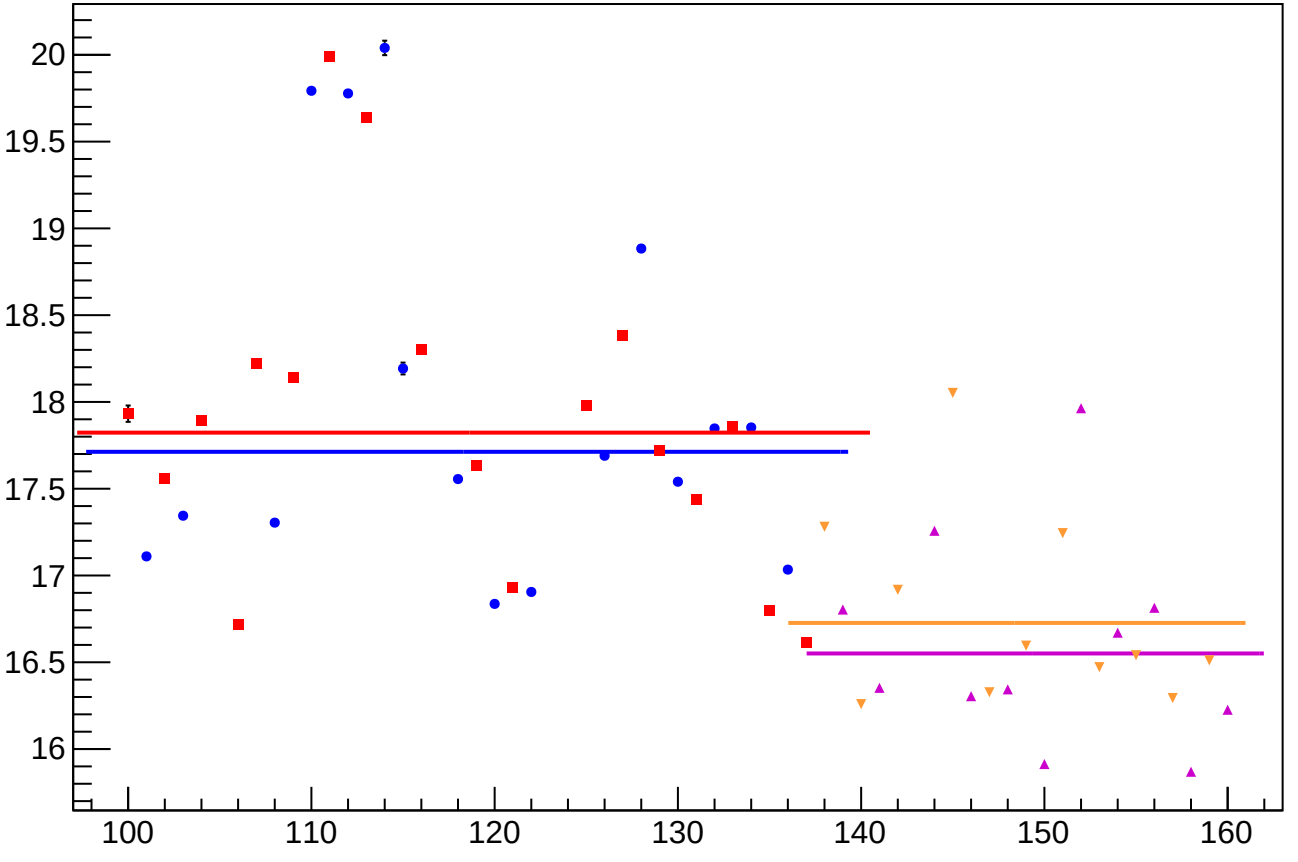
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -1.602+/-4.161 χ^2/NDF:16.8/26

Out: 4.099+/-4.296 χ^2/NDF:21.4/28

All: 1.157+/-2.989 χ^2/NDF: 39.2/55

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.727+/-0.004 χ^2/NDF:16521.3/10

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

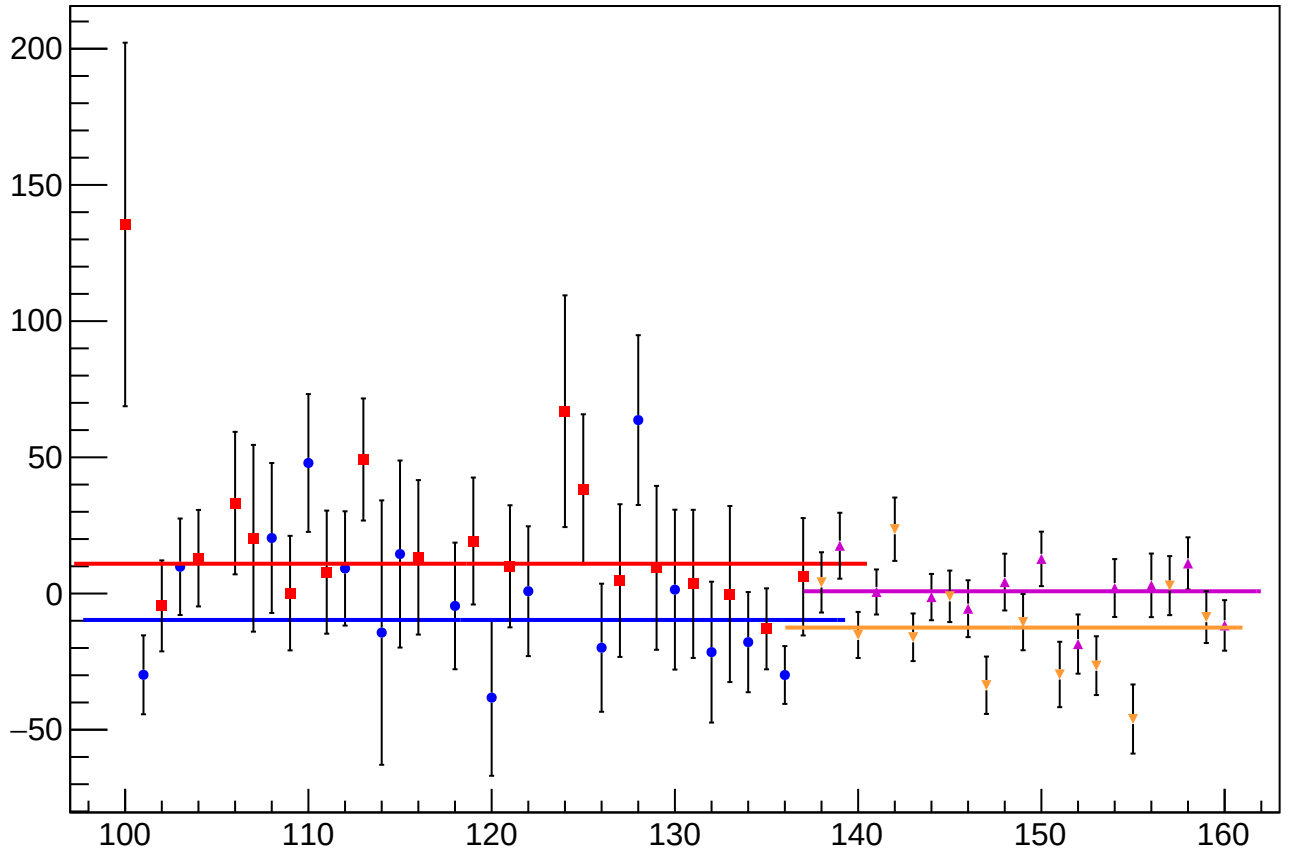
Left: 16.634+/-0.003 χ^2/NDF: 39791.4/21

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.014+/-0.003 χ^2/NDF:95613.4/26

Out: 17.194+/-0.003 χ^2/NDF:80886.8/28

All: 17.101+/-0.002 χ^2/NDF: 178319.9/55



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: 0.829+/-3.003 χ^2/NDF:10.1/10

Left: -5.914+/-2.111 χ^2/NDF: 50.7/22

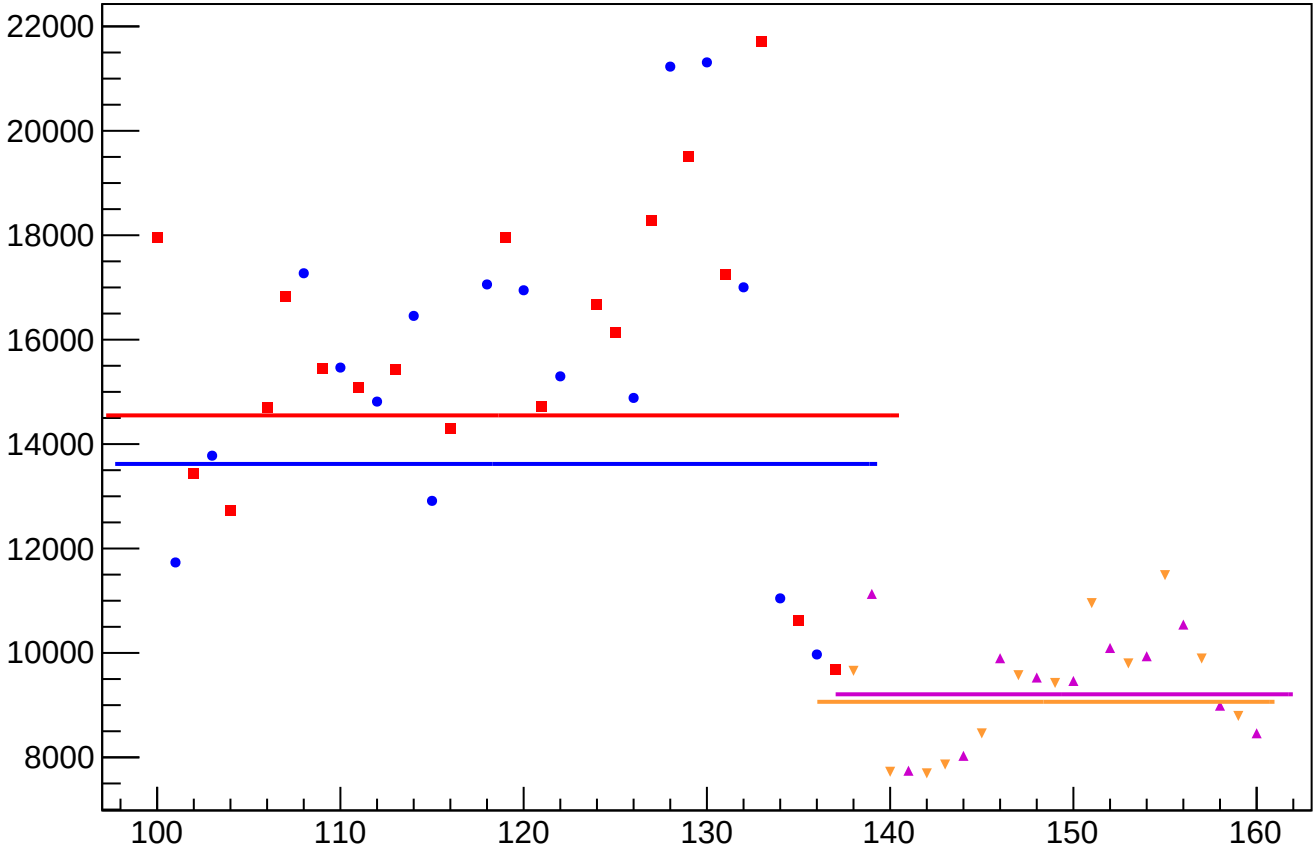
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -1.781+/-2.604 χ^2/NDF:35.1/26

Out: -7.118+/-2.605 χ^2/NDF:59.0/30

All: -4.449+/-1.842 χ^2/NDF: 96.2/57

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: 9207.767+/-2.123 χ^2/NDF:226509.3/10

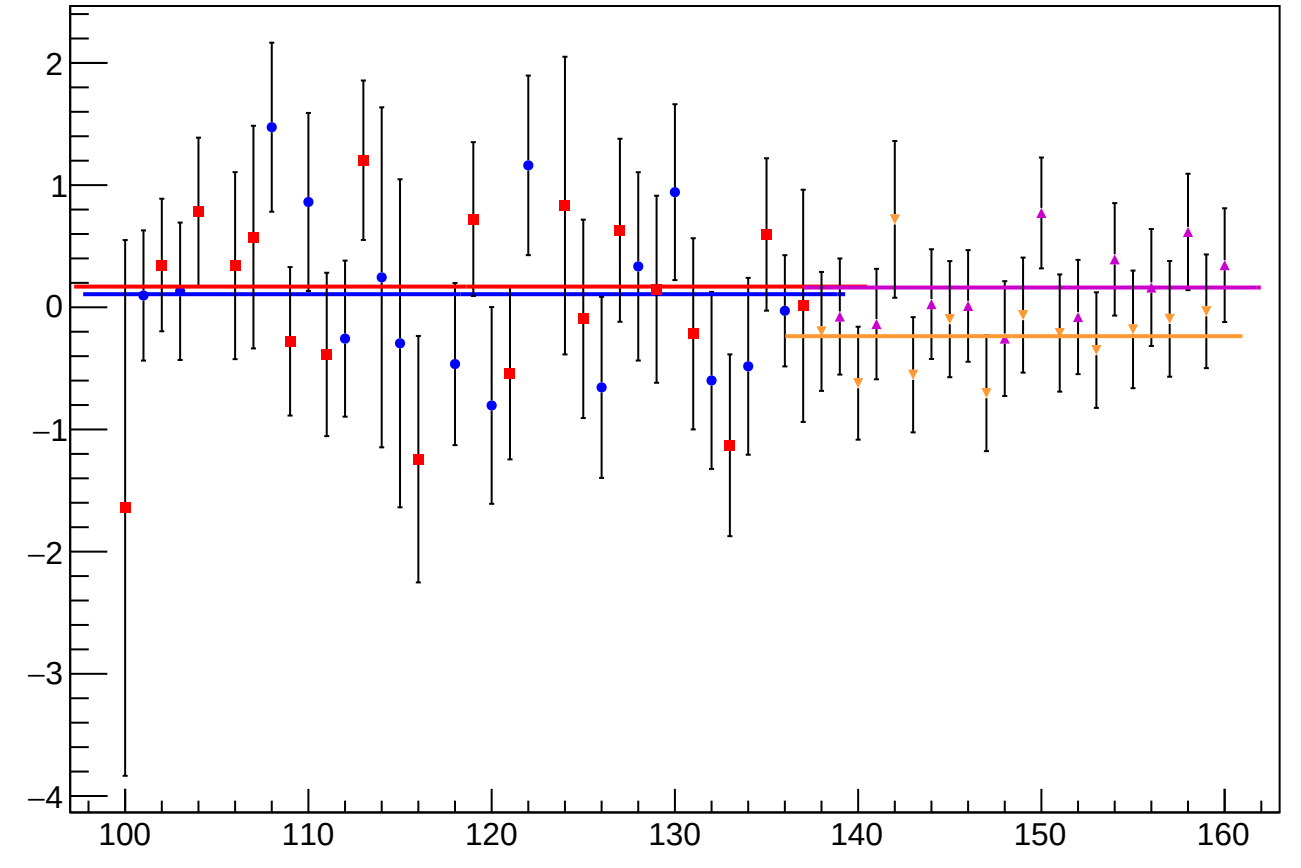
Left: 9135.011+/-1.493 χ^2/NDF: 510999.4/22

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10301.315+/-1.842 χ^2/NDF:2043494.9/26

Out: 10323.415+/-1.842 χ^2/NDF:2407083.1/30

All: 10312.364+/-1.302 χ^2/NDF: 4450650.0/5



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: 0.162+/-0.140 χ^2/NDF:5.1/10

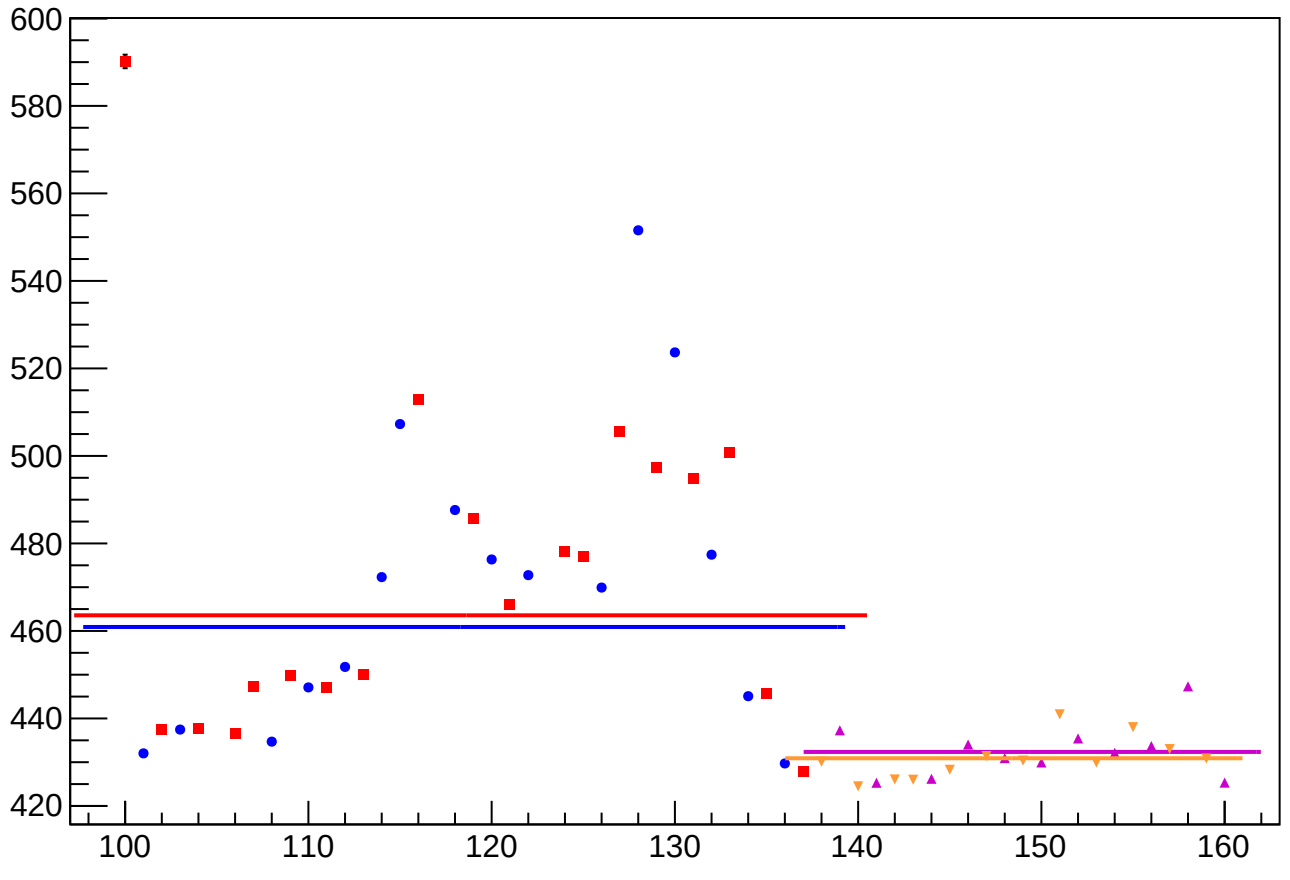
Left: -0.038+/-0.099 χ^2/NDF: 14.0/22

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.140+/-0.108 χ^2/NDF:18.8/26

Out: -0.072+/-0.108 χ^2/NDF:22.4/30

All: 0.033+/-0.076 χ^2/NDF: 43.2/57



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: 432.347+/-0.099 χ^2/NDF:3714.0/10

Left: 431.622+/-0.070 χ^2/NDF: 5968.5/22

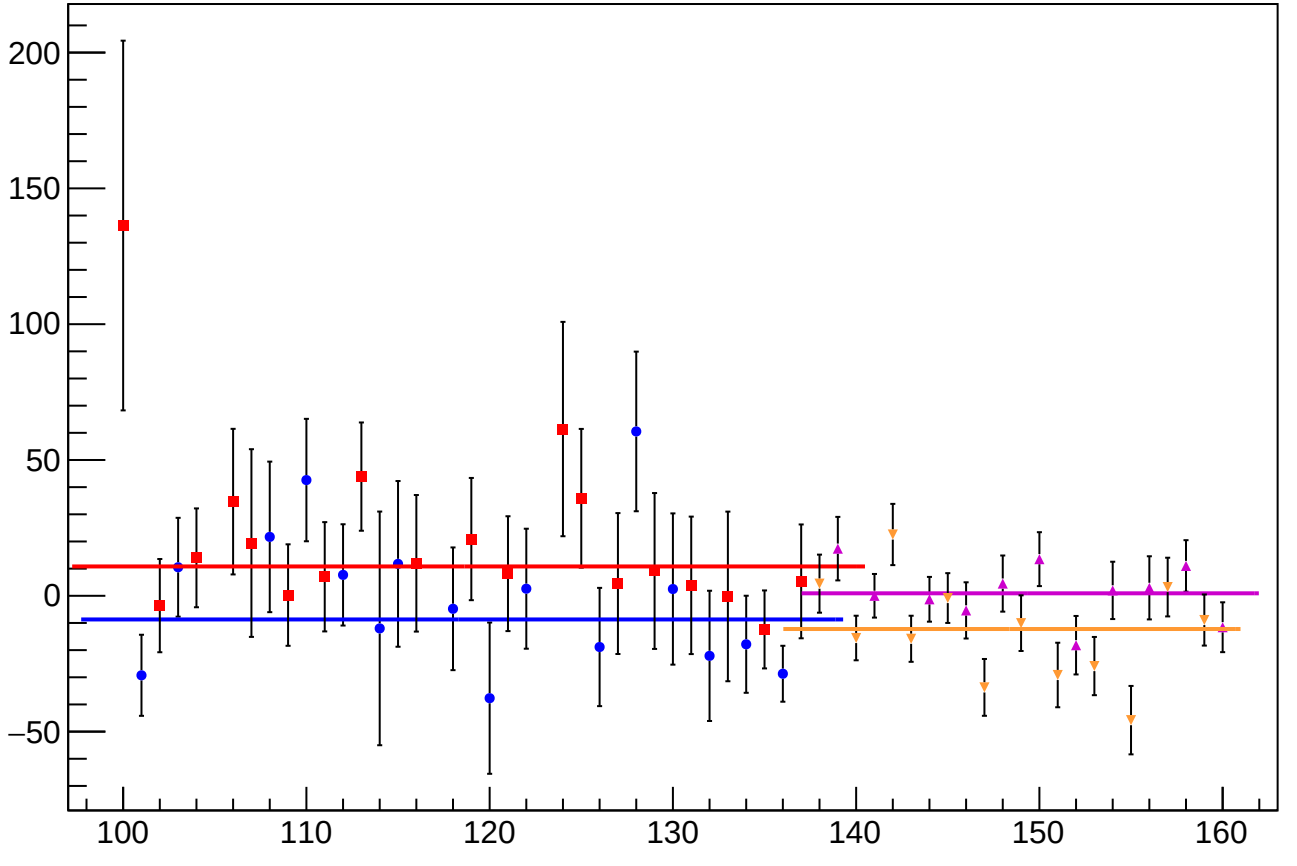
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 443.737+/-0.077 χ^2/NDF:111906.3/26

Out: 444.095+/-0.076 χ^2/NDF:98657.6/30

All: 443.917+/-0.054 χ^2/NDF: 210575.0/57

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: 0.917+/-2.956 χ^2/NDF:10.3/10

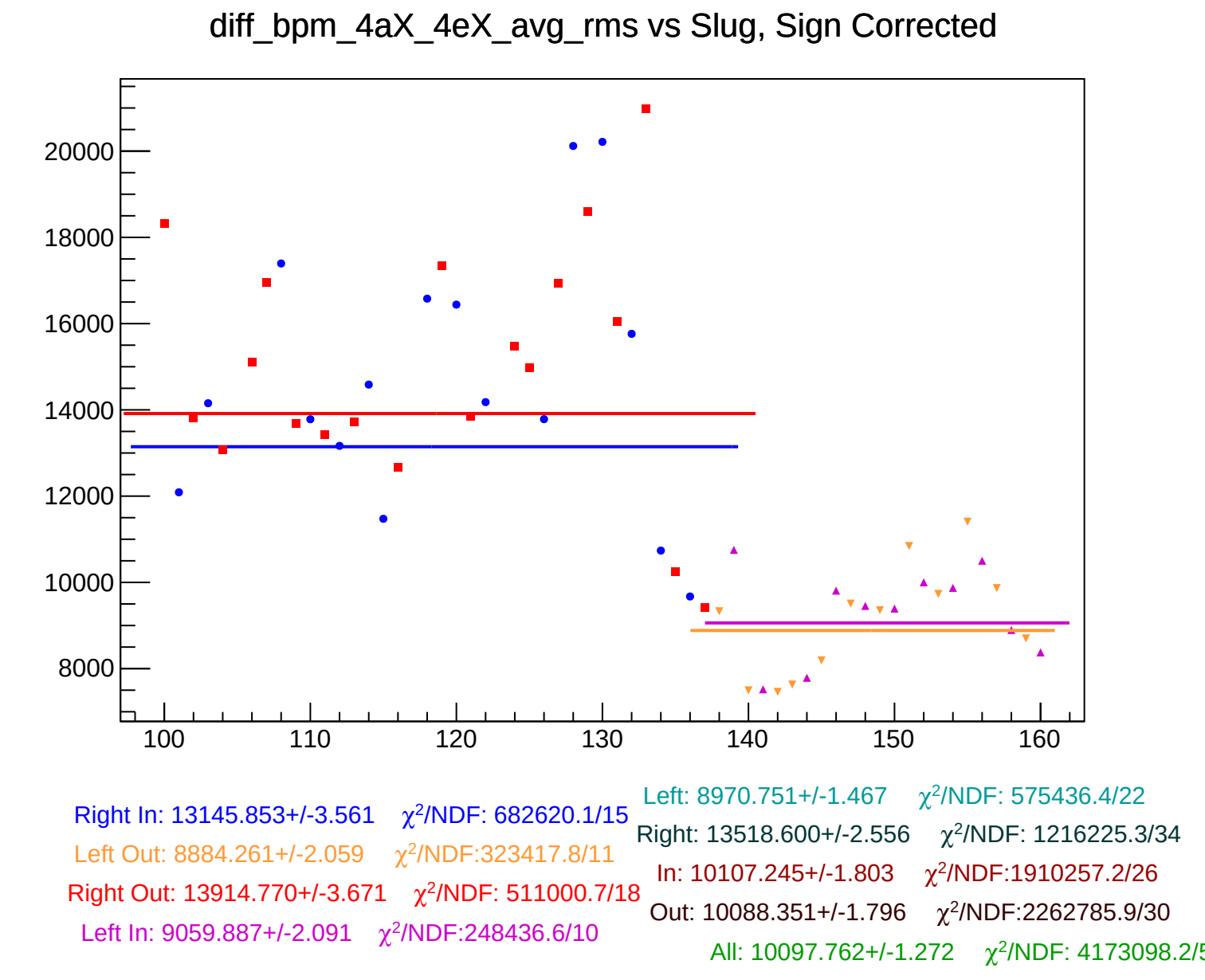
Left: -5.754+/-2.075 χ^2/NDF: 51.4/22

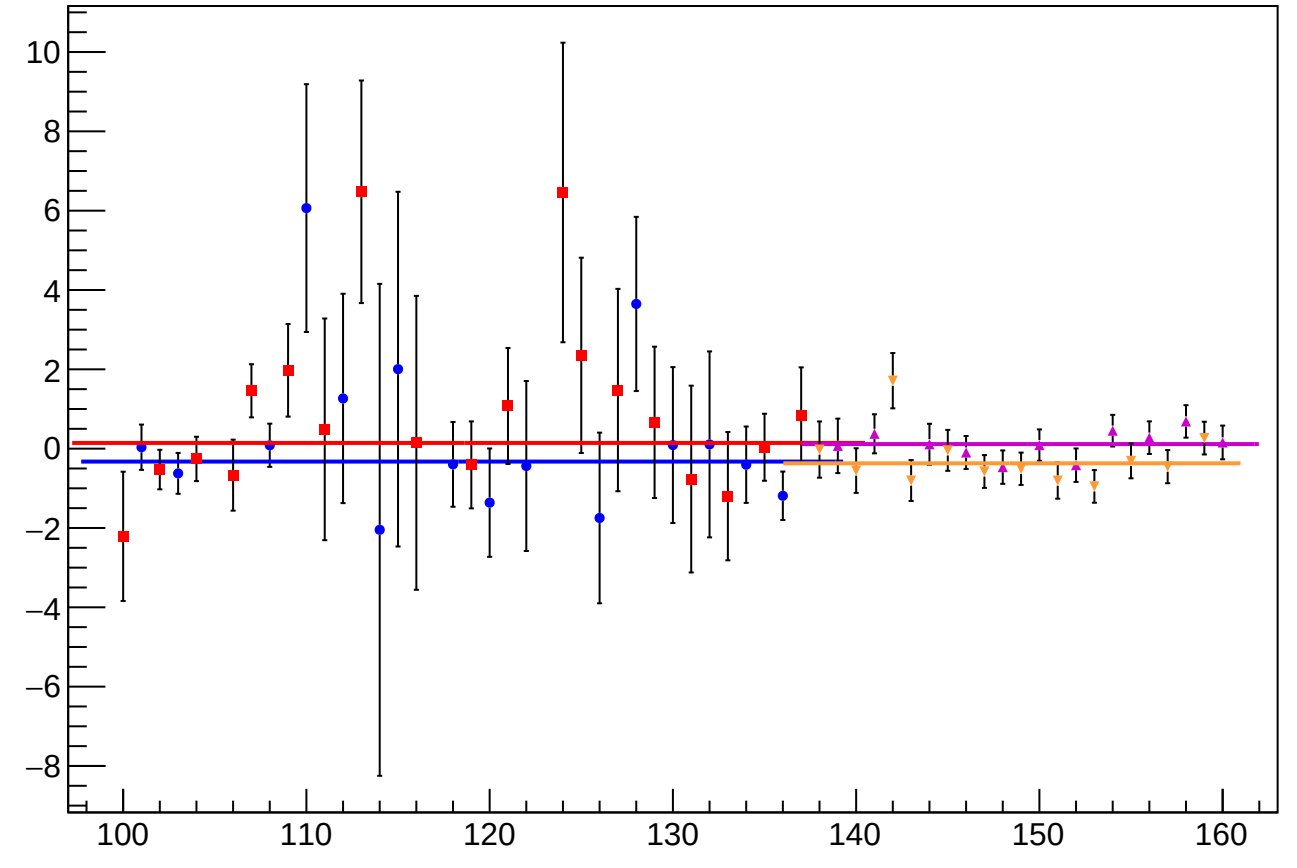
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.550+/-2.550 χ^2/NDF:35.3/26

Out: -6.714+/-2.540 χ^2/NDF:59.9/30

All: -4.142+/-1.799 χ^2/NDF: 97.3/57


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: 9059.887+/-2.091 χ²/NDF:248436.6/10
Left: 8970.751+/-1.467 χ²/NDF: 575436.4/22
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10107.245+/-1.803 χ²/NDF:1910257.2/26
Out: 10088.351+/-1.796 χ²/NDF:2262785.9/30
All: 10097.762+/-1.272 χ²/NDF: 4173098.2/5



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: 0.115+/-0.132 χ^2/NDF:6.9/10

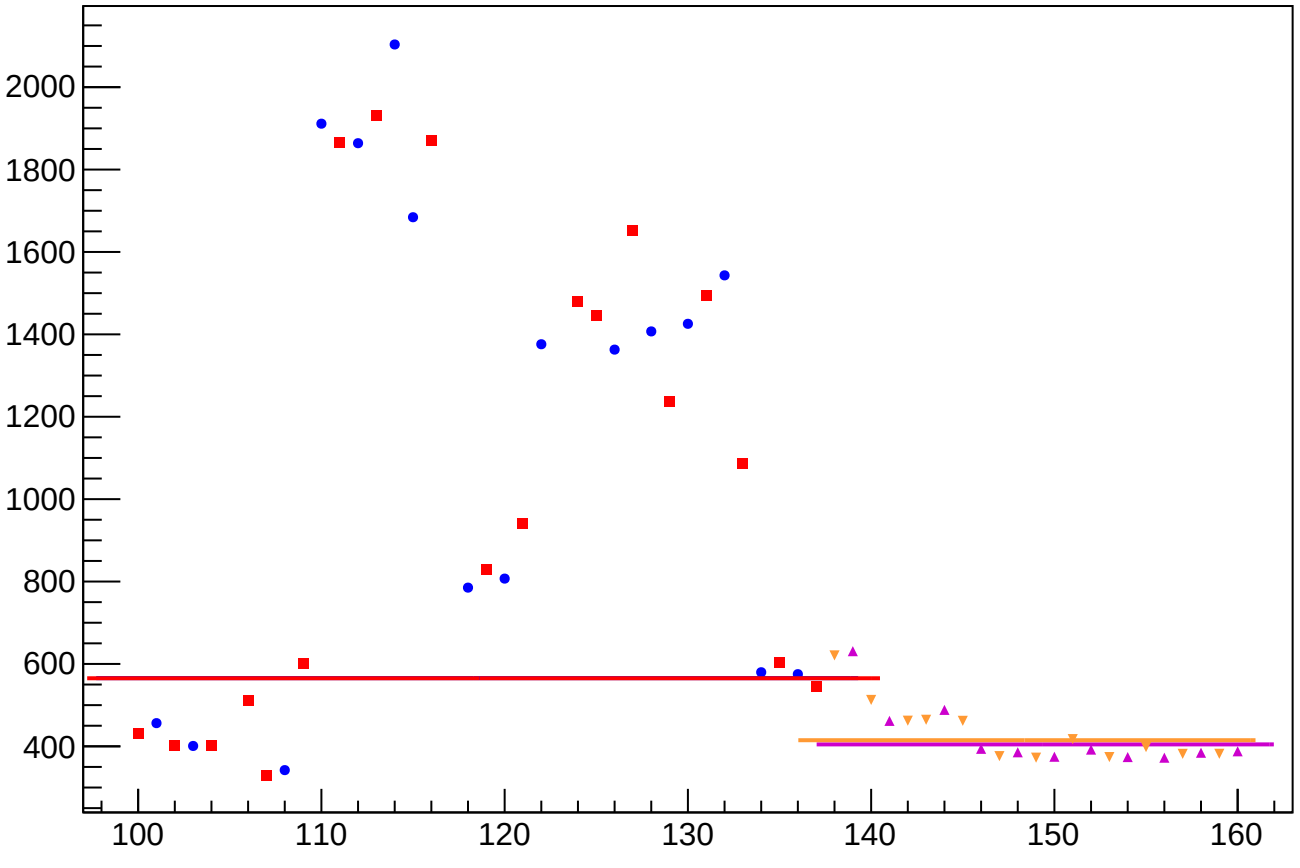
Left: -0.120+/-0.095 χ^2/NDF: 29.5/22

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.015+/-0.116 χ^2/NDF:22.0/26

Out: -0.248+/-0.119 χ^2/NDF:41.9/30

All: -0.114+/-0.083 χ^2/NDF: 66.4/57



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: 404.713+/-0.094 χ^2/NDF:347542.1/10

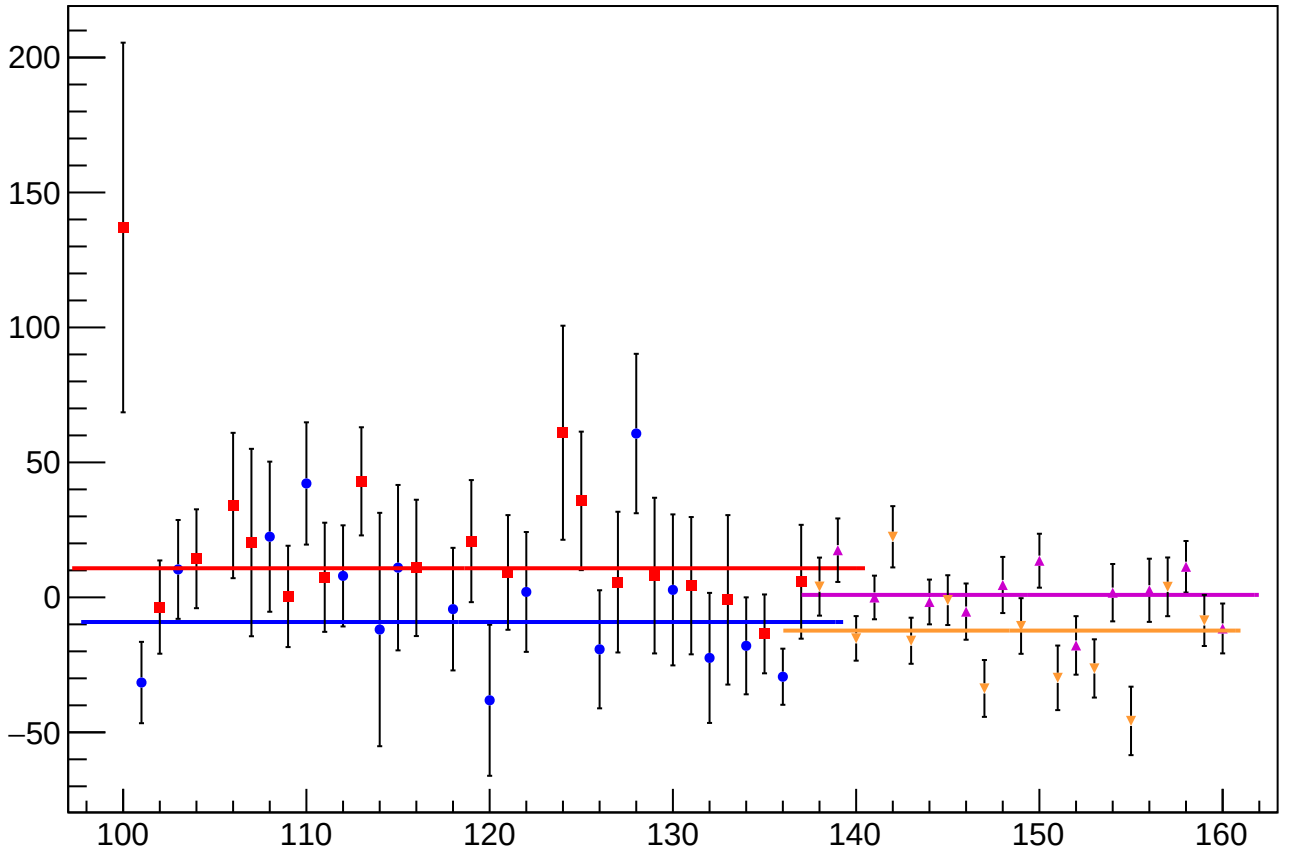
Left: 409.642+/-0.067 χ^2/NDF: 714037.6/22

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 441.218+/-0.082 χ^2/NDF:4468972.5/26

Out: 450.390+/-0.084 χ^2/NDF:4510748.6/30

All: 445.707+/-0.059 χ^2/NDF: 8985808.3/57



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.307+/-2.931 χ^2/NDF:30.8/11

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 0.915+/-2.976 χ^2/NDF:10.2/10

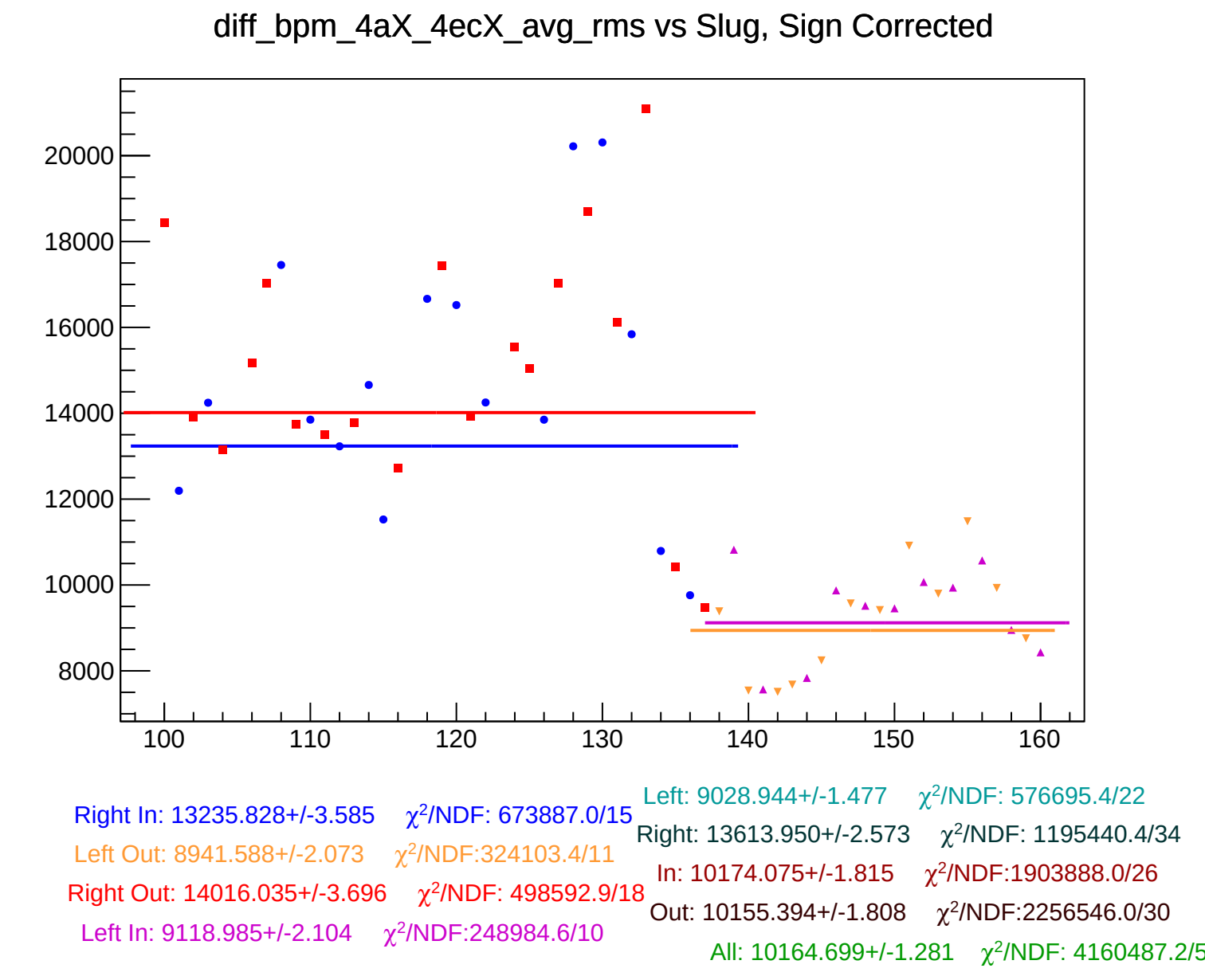
Left: -5.796+/-2.088 χ^2/NDF: 51.0/22

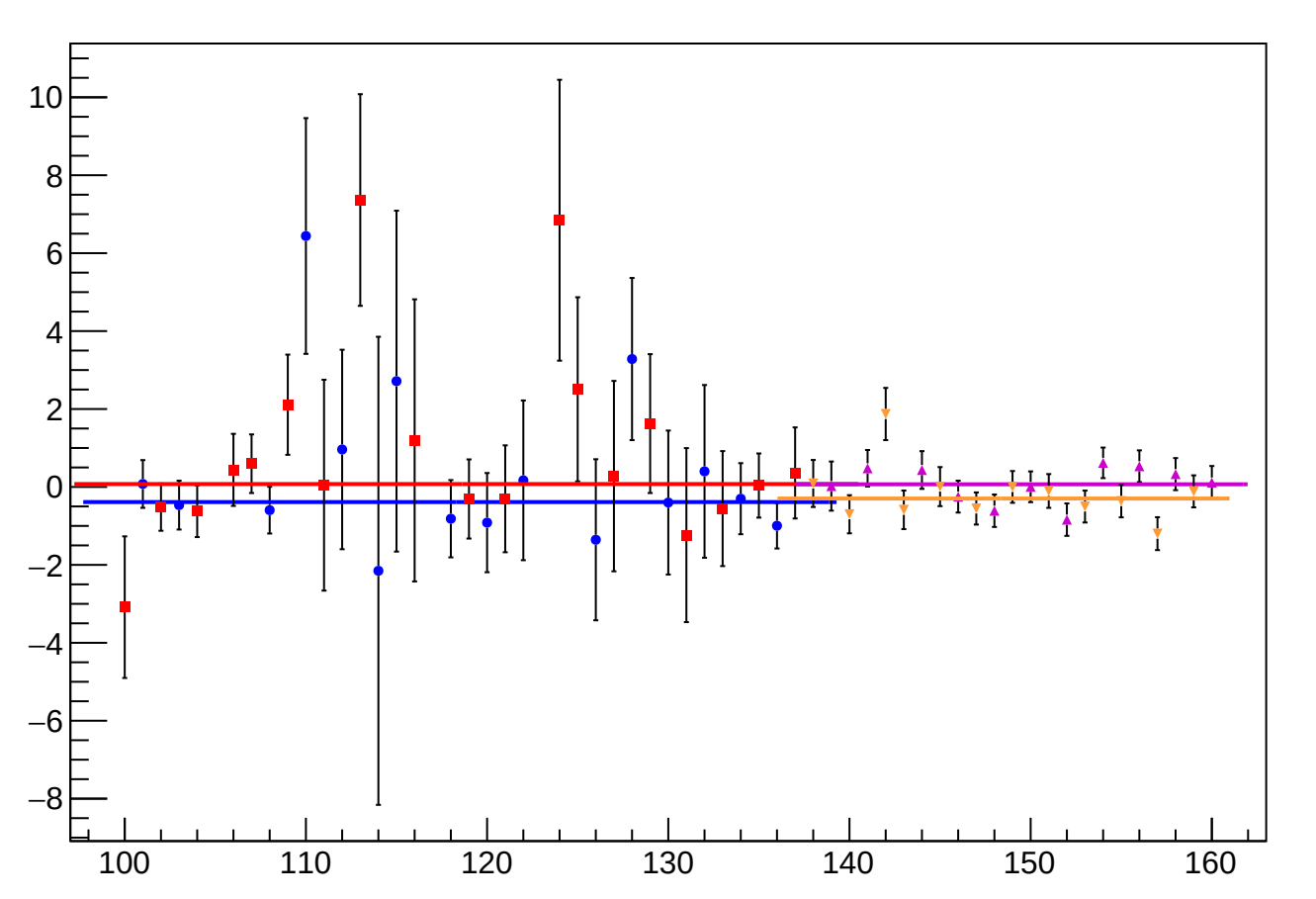
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.660+/-2.566 χ^2/NDF:35.9/26

Out: -6.783+/-2.557 χ^2/NDF:59.4/30

All: -4.231+/-1.811 χ^2/NDF: 97.2/57


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: 9118.985+/-2.104 χ²/NDF:248984.6/10
Left: 9028.944+/-1.477 χ²/NDF: 576695.4/22
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10174.075+/-1.815 χ²/NDF:1903888.0/26
Out: 10155.394+/-1.808 χ²/NDF:2256546.0/30
All: 10164.699+/-1.281 χ²/NDF: 4160487.2/5



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: 0.069+/-0.130 χ^2/NDF:13.1/10

Left: -0.112+/-0.092 χ^2/NDF: 35.4/22

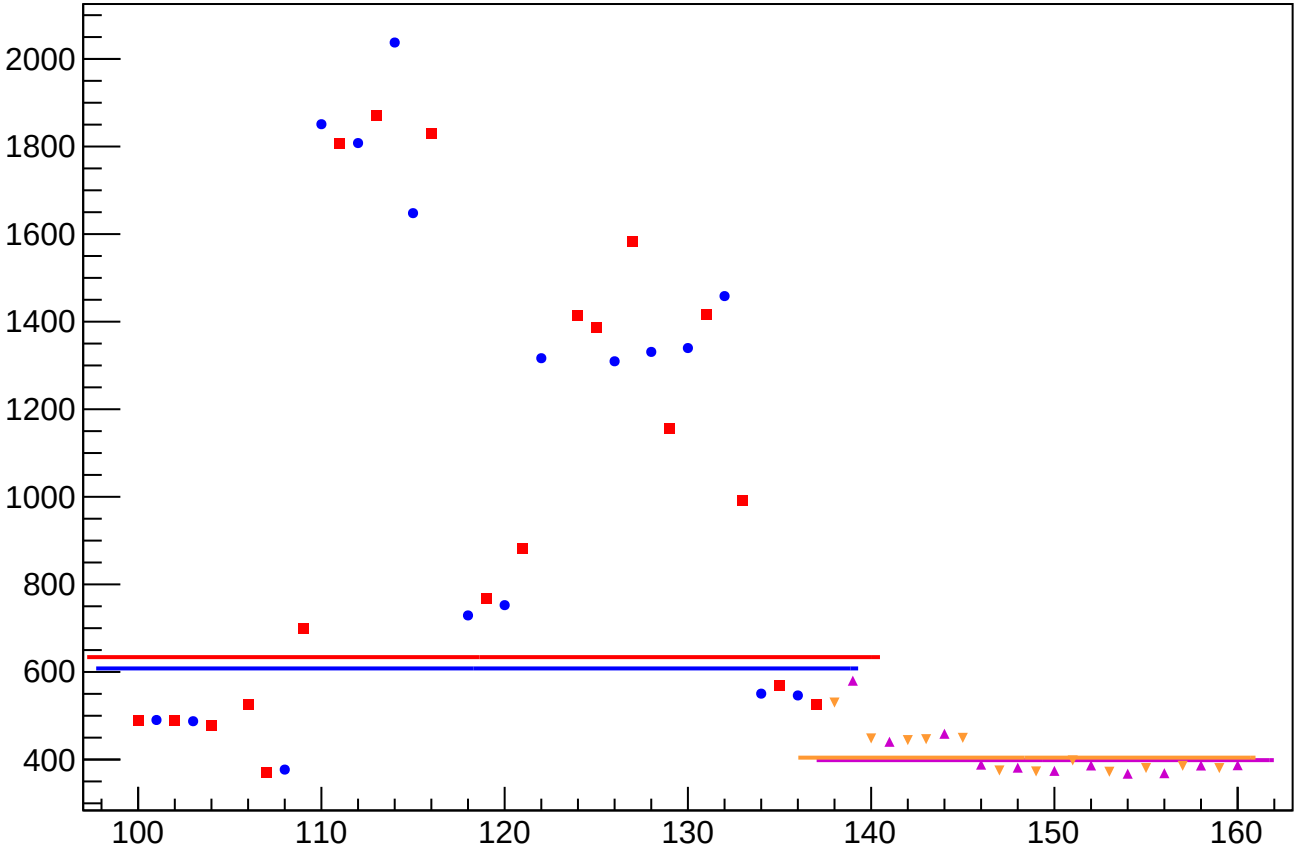
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.025+/-0.116 χ^2/NDF:27.3/26

Out: -0.223+/-0.118 χ^2/NDF:41.7/30

All: -0.122+/-0.083 χ^2/NDF: 70.4/57

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



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: 398.627+/-0.092 χ^2/NDF:252938.1/10

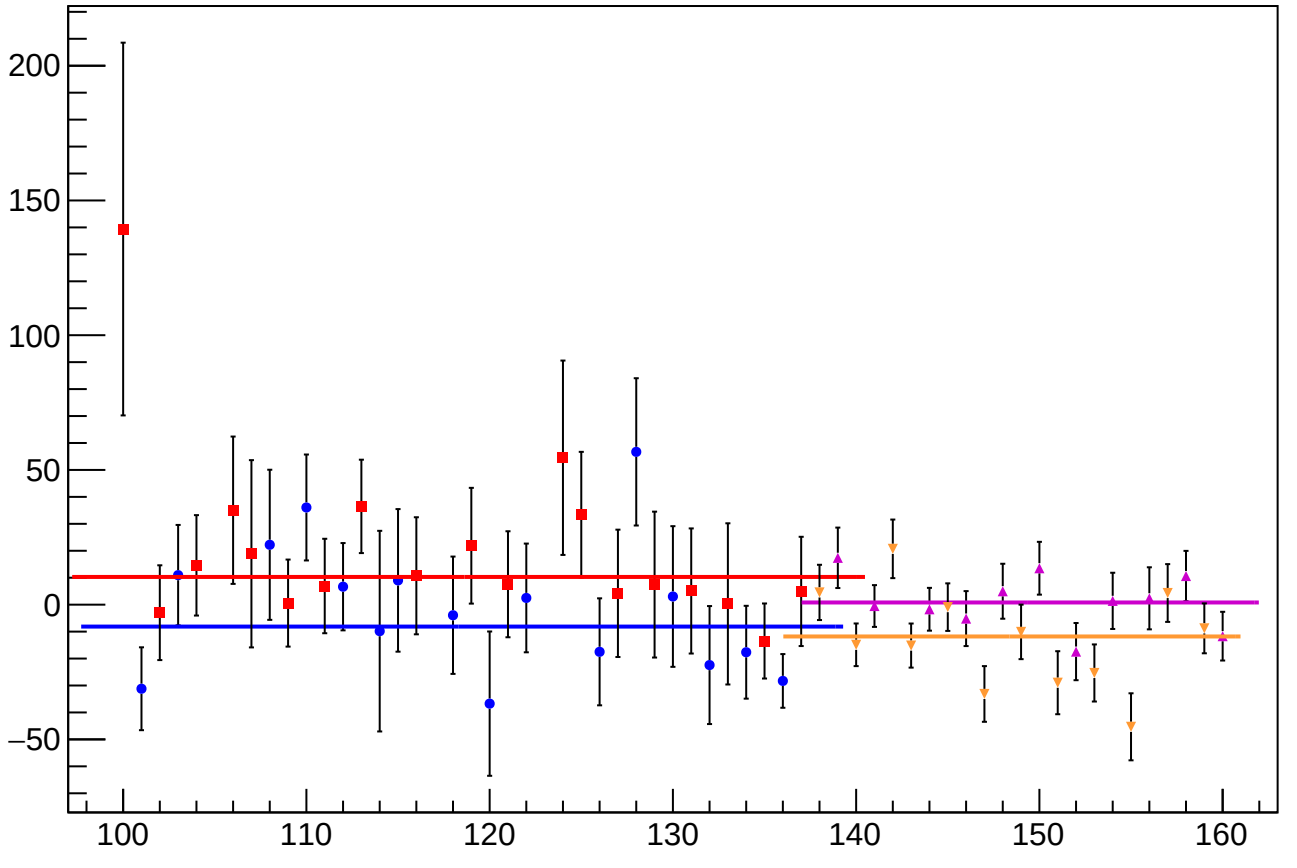
Left: 401.435+/-0.065 χ^2/NDF: 447606.4/22

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 441.574+/-0.082 χ^2/NDF:4172249.8/26

Out: 449.942+/-0.083 χ^2/NDF:4188154.4/30

All: 445.682+/-0.058 χ^2/NDF: 8365531.4/57



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.803+/-2.841 χ^2/NDF:31.0/11

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 0.812+/-2.894 χ^2/NDF:10.5/10

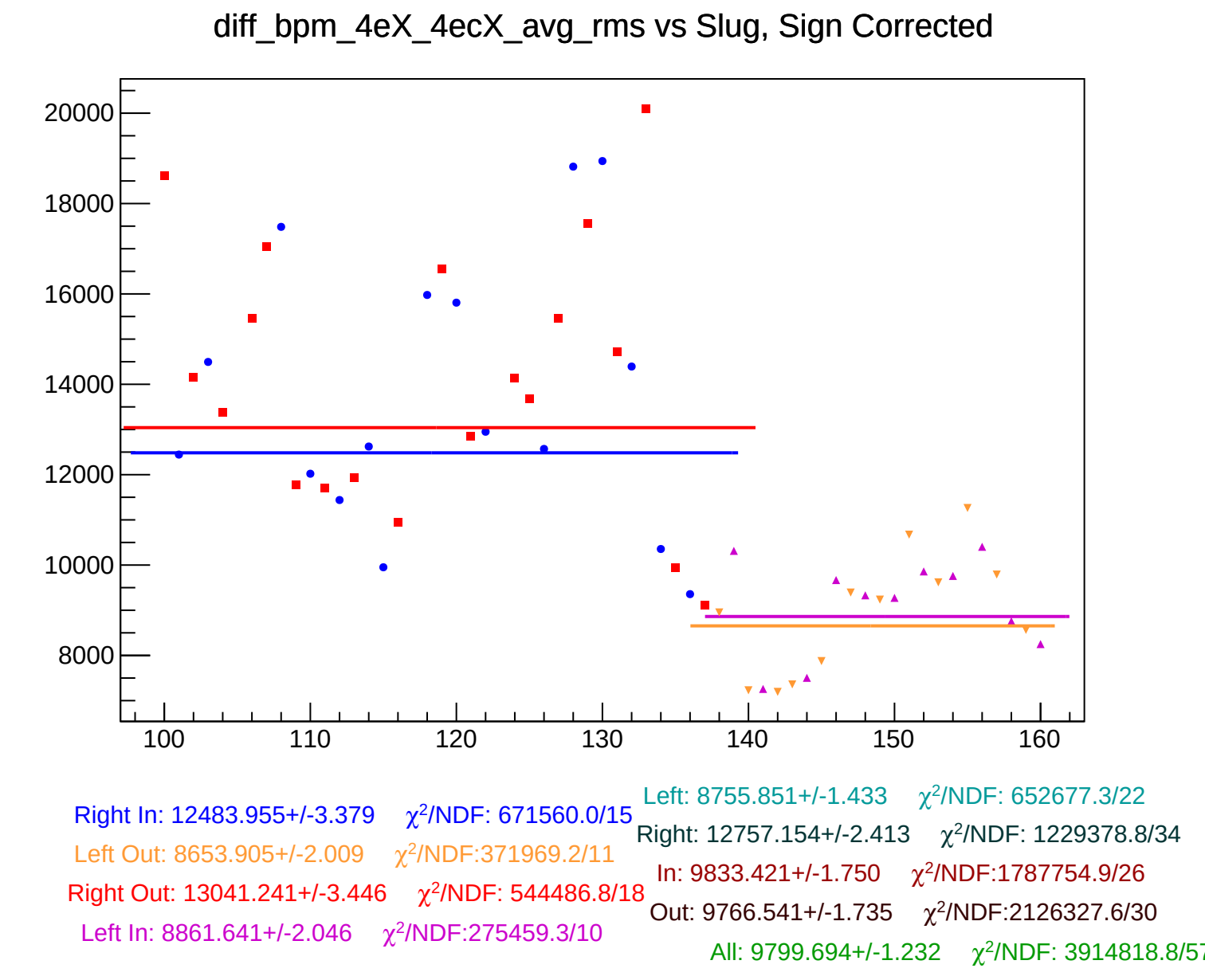
Left: -5.613+/-2.027 χ^2/NDF: 51.2/22

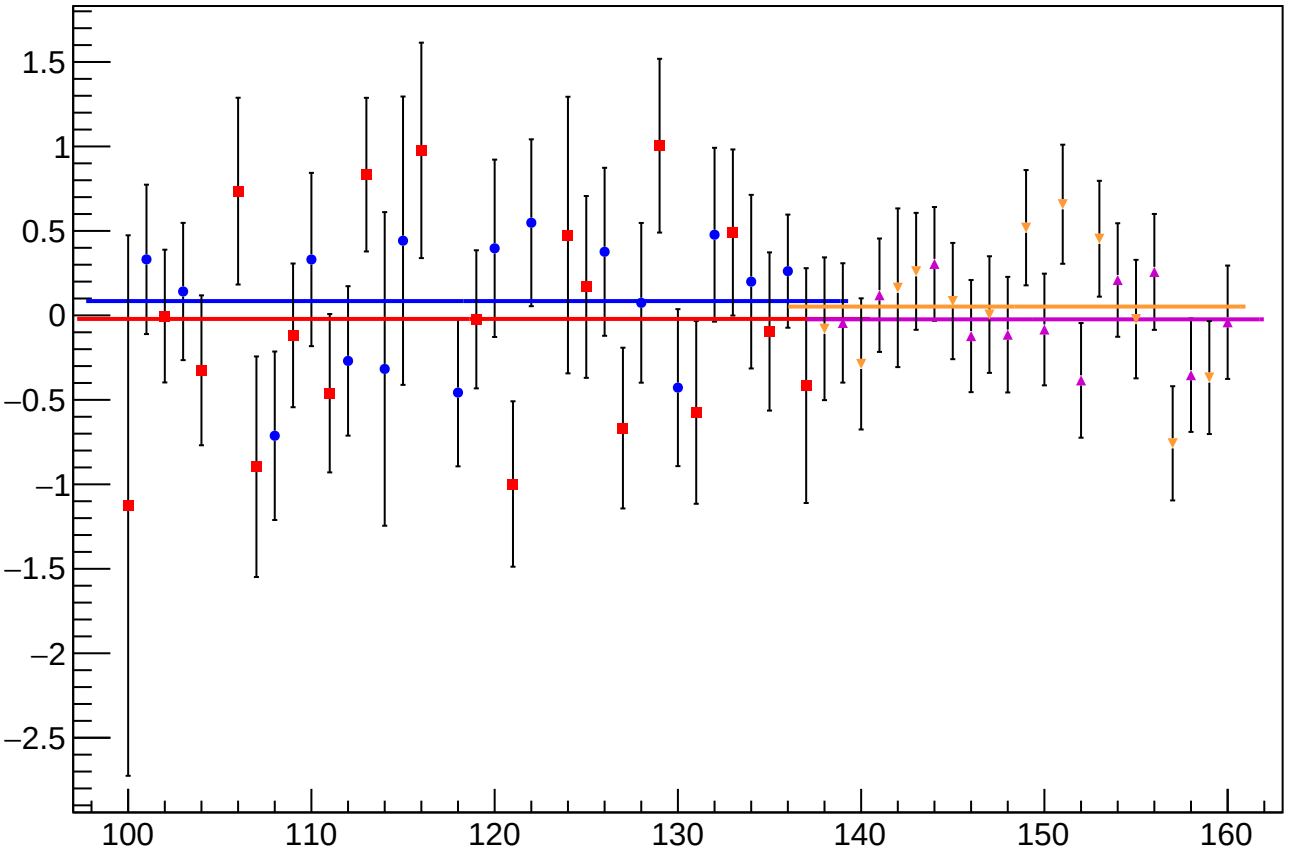
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.588+/-2.475 χ^2/NDF:36.2/26

Out: -6.201+/-2.454 χ^2/NDF:60.1/30

All: -3.914+/-1.743 χ^2/NDF: 98.0/57


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8653.905+/-2.009 χ²/NDF:371969.2/11
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8861.641+/-2.046 χ²/NDF:275459.3/10
Left: 8755.851+/-1.433 χ²/NDF: 652677.3/22
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9833.421+/-1.750 χ²/NDF:1787754.9/26
Out: 9766.541+/-1.735 χ²/NDF:2126327.6/30
All: 9799.694+/-1.232 χ²/NDF: 3914818.8/57



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: -0.023+/-0.102 χ^2/NDF:4.6/10

Left: 0.014+/-0.073 χ^2/NDF: 19.7/22

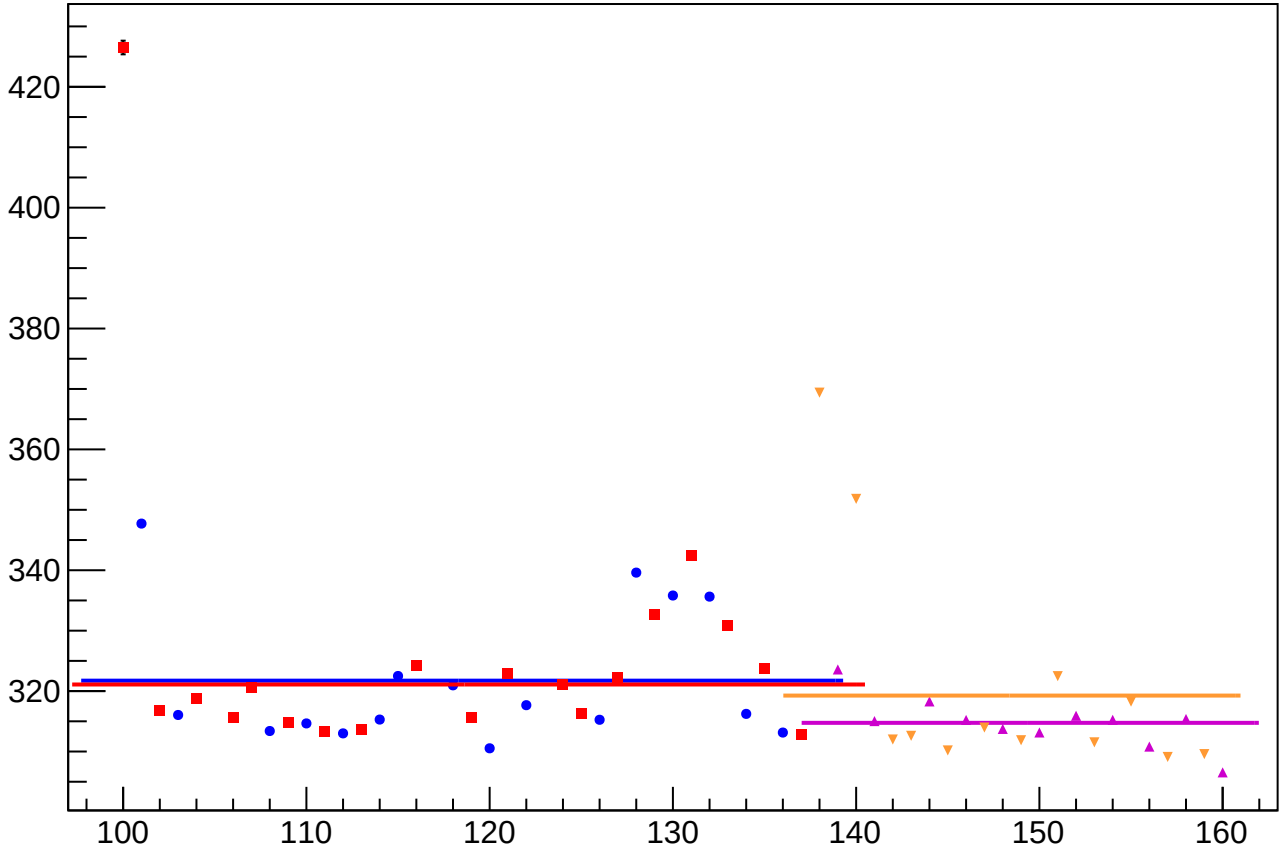
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.022+/-0.078 χ^2/NDF:14.4/26

Out: 0.020+/-0.078 χ^2/NDF:39.4/30

All: 0.021+/-0.055 χ^2/NDF: 53.8/57

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



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: 314.747+/-0.072 χ^2/NDF:3034.1/10

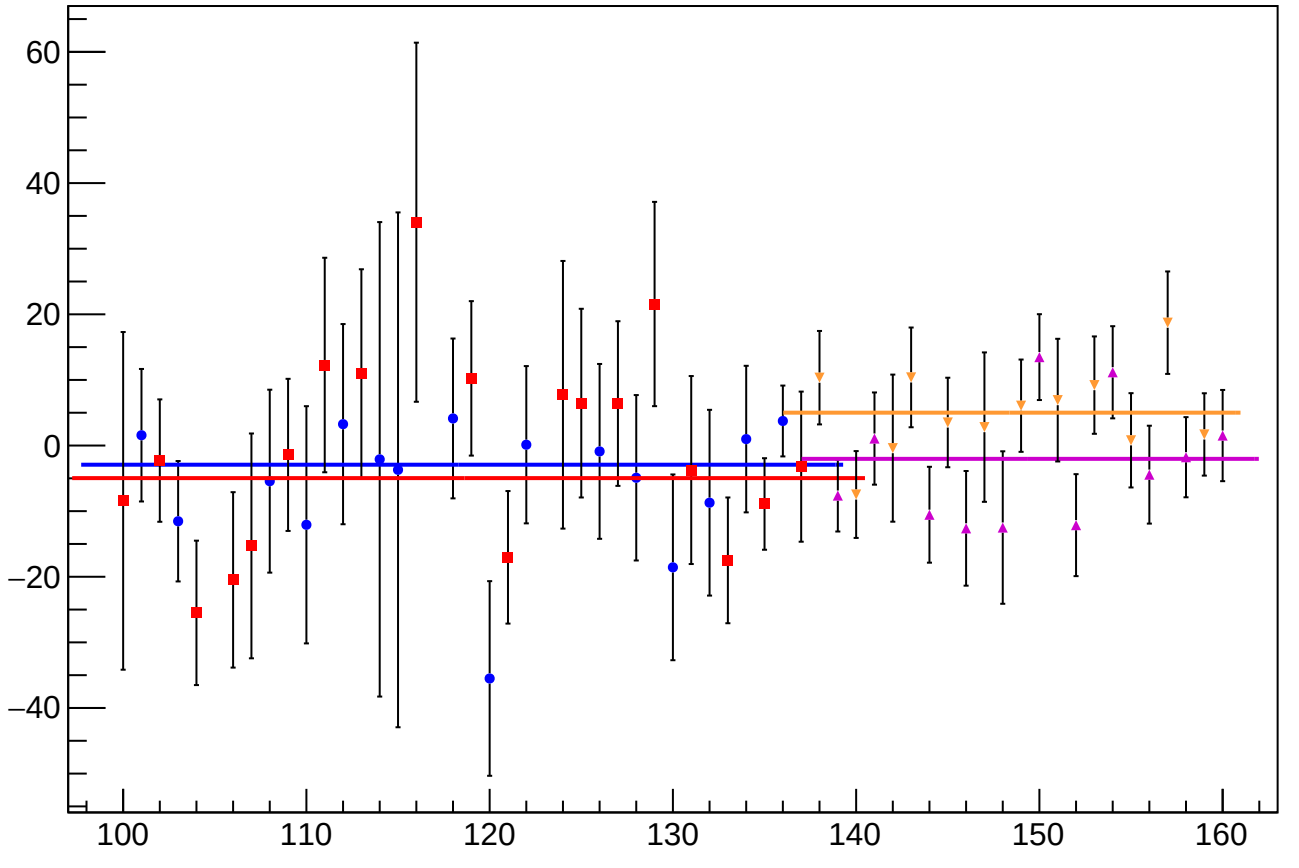
Left: 316.963+/-0.051 χ^2/NDF: 55893.2/22

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 317.667+/-0.055 χ^2/NDF:25174.8/26

Out: 320.062+/-0.055 χ^2/NDF:67786.7/30

All: 318.864+/-0.039 χ^2/NDF: 93910.3/57



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: -2.029+/-2.140 χ^2/NDF:16.1/10

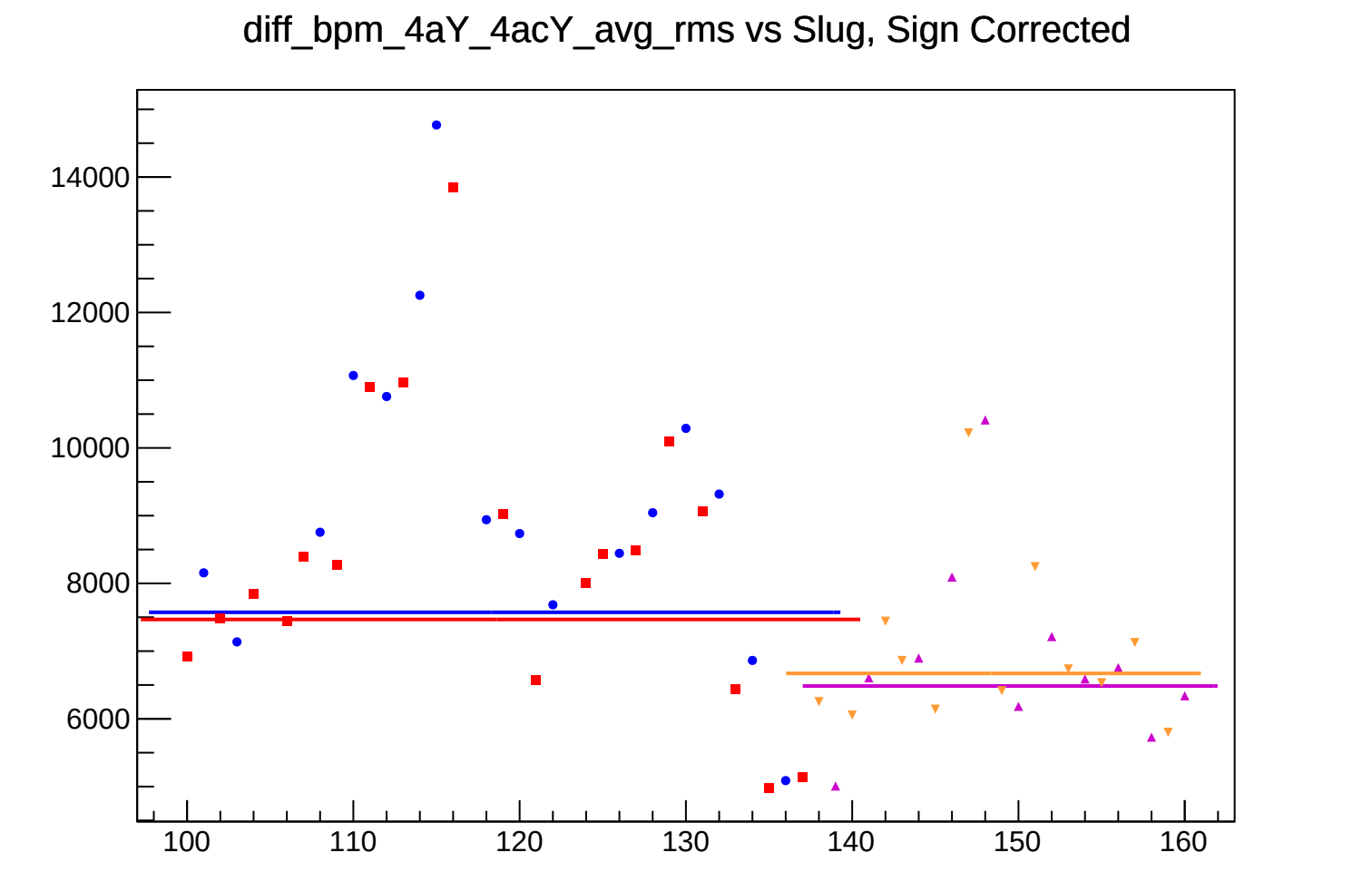
Left: 1.404+/-1.531 χ^2/NDF: 30.4/22

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.342+/-1.724 χ^2/NDF:26.0/26

Out: 1.258+/-1.732 χ^2/NDF:36.2/30

All: -0.551+/-1.222 χ^2/NDF: 64.4/57



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6670.898+/-1.551 χ^2/NDF:346823.3/11

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6484.869+/-1.513 χ^2/NDF:504924.3/10

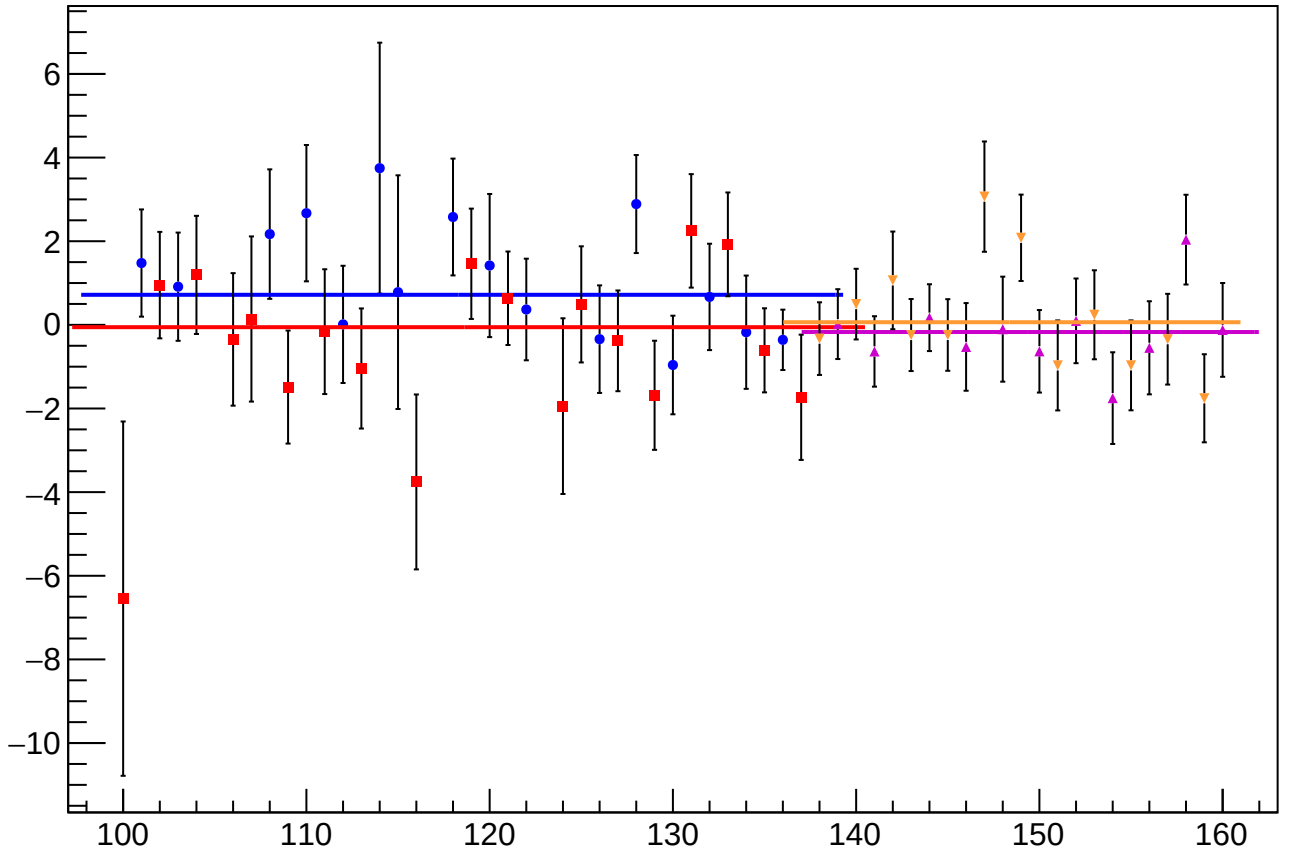
Left: 6575.597+/-1.083 χ^2/NDF: 859121.5/22

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6866.693+/-1.219 χ^2/NDF:1584059.6/26

Out: 6970.532+/-1.225 χ^2/NDF:1274453.0/30

All: 6918.368+/-0.864 χ^2/NDF: 2862124.0/57



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: -0.171+/-0.298 χ^2/NDF:7.4/10

Left: -0.050+/-0.207 χ^2/NDF: 23.2/22

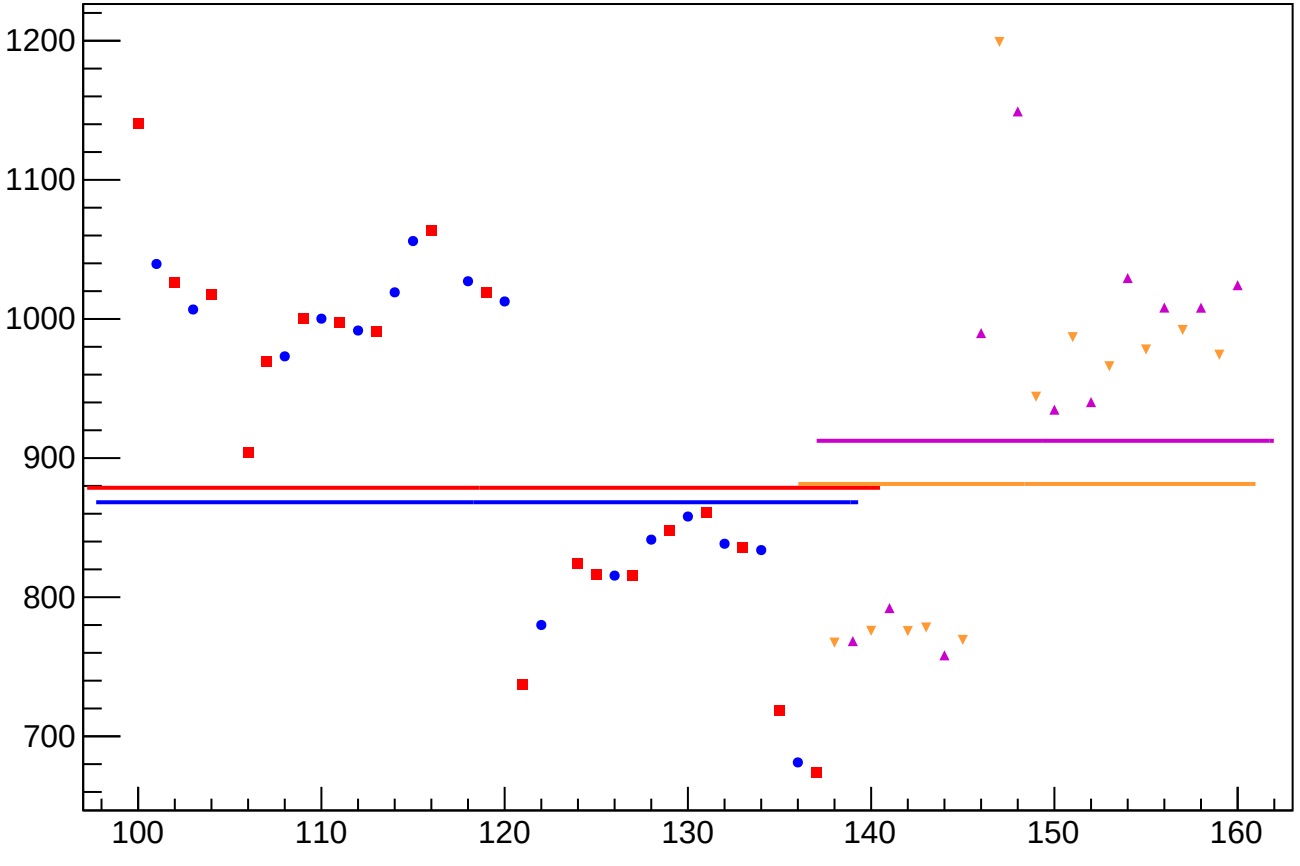
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.234+/-0.220 χ^2/NDF:26.2/26

Out: 0.010+/-0.215 χ^2/NDF:35.3/30

All: 0.120+/-0.154 χ^2/NDF: 62.1/57

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: 912.435+/-0.211 χ^2/NDF:332707.7/10

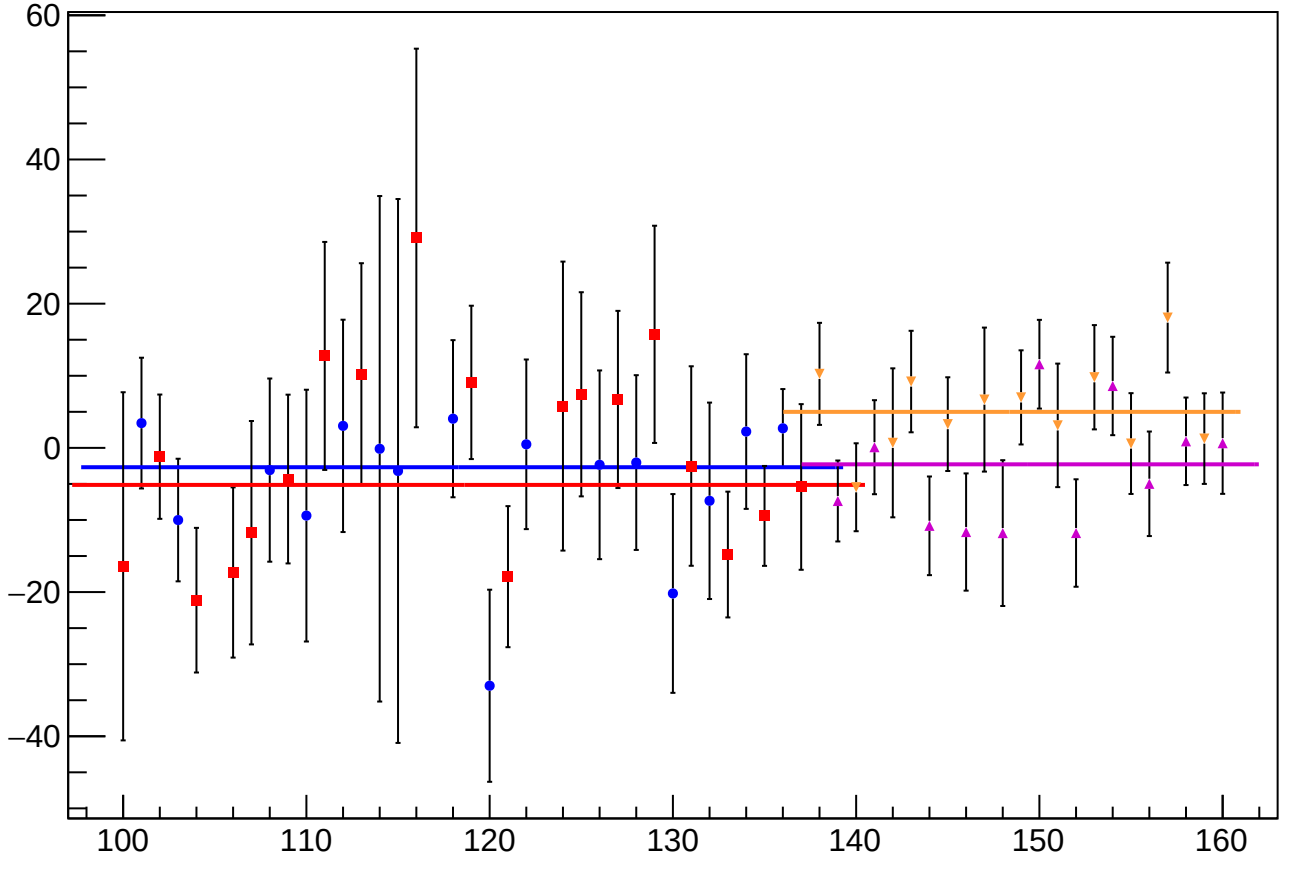
Left: 896.394+/-0.146 χ^2/NDF: 696938.9/22

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 892.316+/-0.156 χ^2/NDF:655134.9/26

Out: 880.188+/-0.152 χ^2/NDF:625632.0/30

All: 886.117+/-0.109 χ^2/NDF: 1283875.4/57



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: -2.282+/-2.068 χ^2/NDF:14.6/10

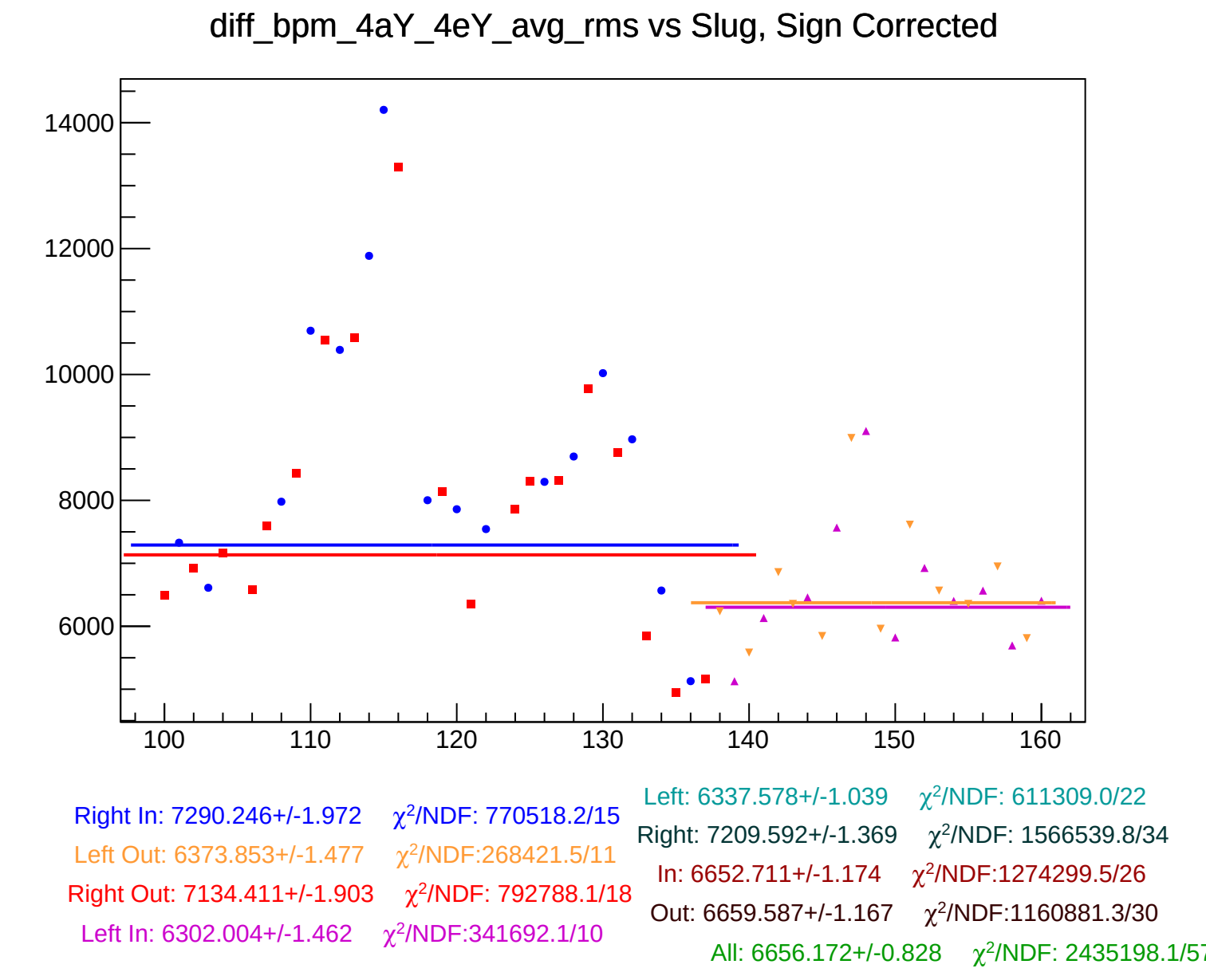
Left: 1.321+/-1.469 χ^2/NDF: 29.1/22

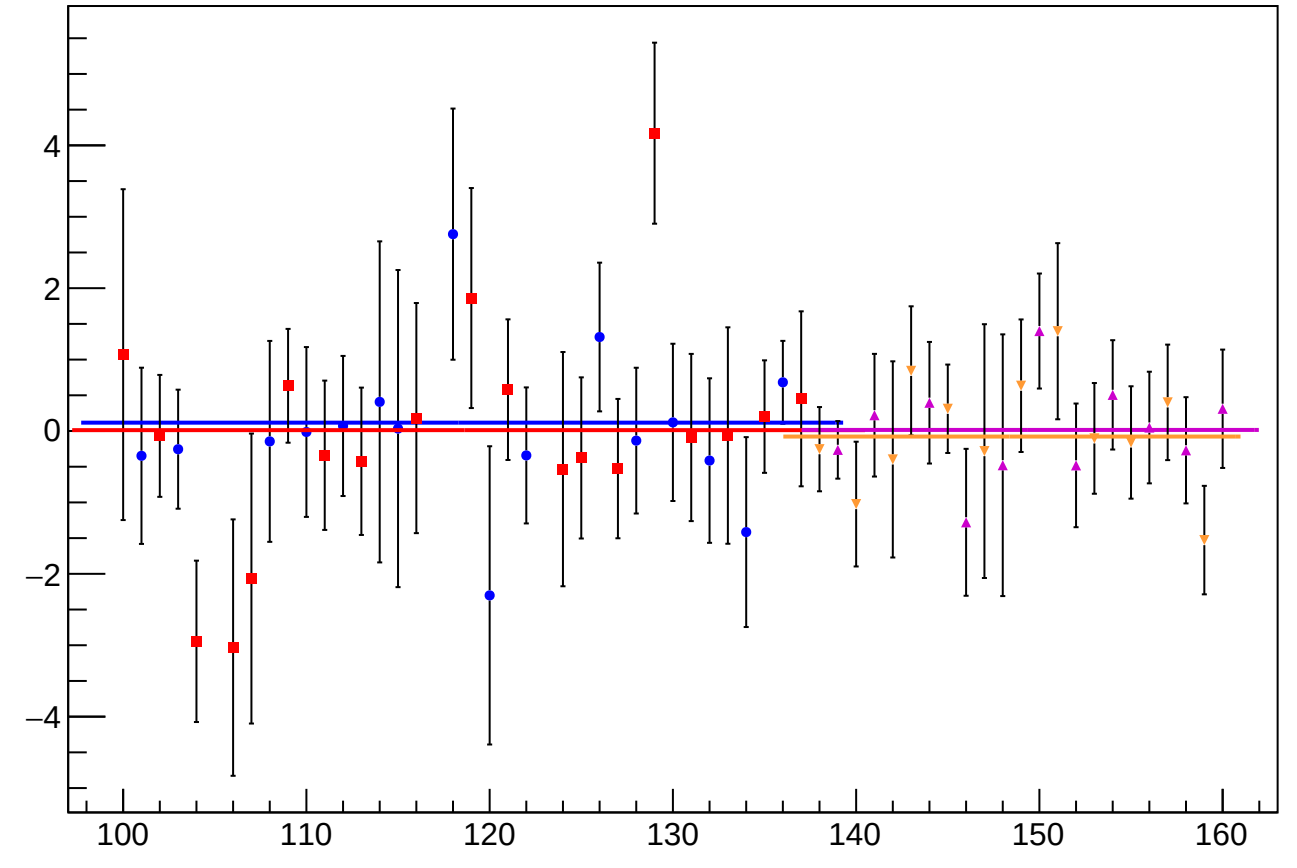
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.424+/-1.661 χ^2/NDF:24.7/26

Out: 1.189+/-1.650 χ^2/NDF:34.5/30

All: -0.606+/-1.171 χ^2/NDF: 61.5/57


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6373.853+/-1.477 χ²/NDF:268421.5/11
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6302.004+/-1.462 χ²/NDF:341692.1/10
Left: 6337.578+/-1.039 χ²/NDF: 611309.0/22
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6652.711+/-1.174 χ²/NDF:1274299.5/26
Out: 6659.587+/-1.167 χ²/NDF:1160881.3/30
All: 6656.172+/-0.828 χ²/NDF: 2435198.1/57



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.078+/-0.241 χ^2/NDF:8.8/11

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.015+/-0.226 χ^2/NDF:6.4/10

Left: -0.028+/-0.165 χ^2/NDF: 15.2/22

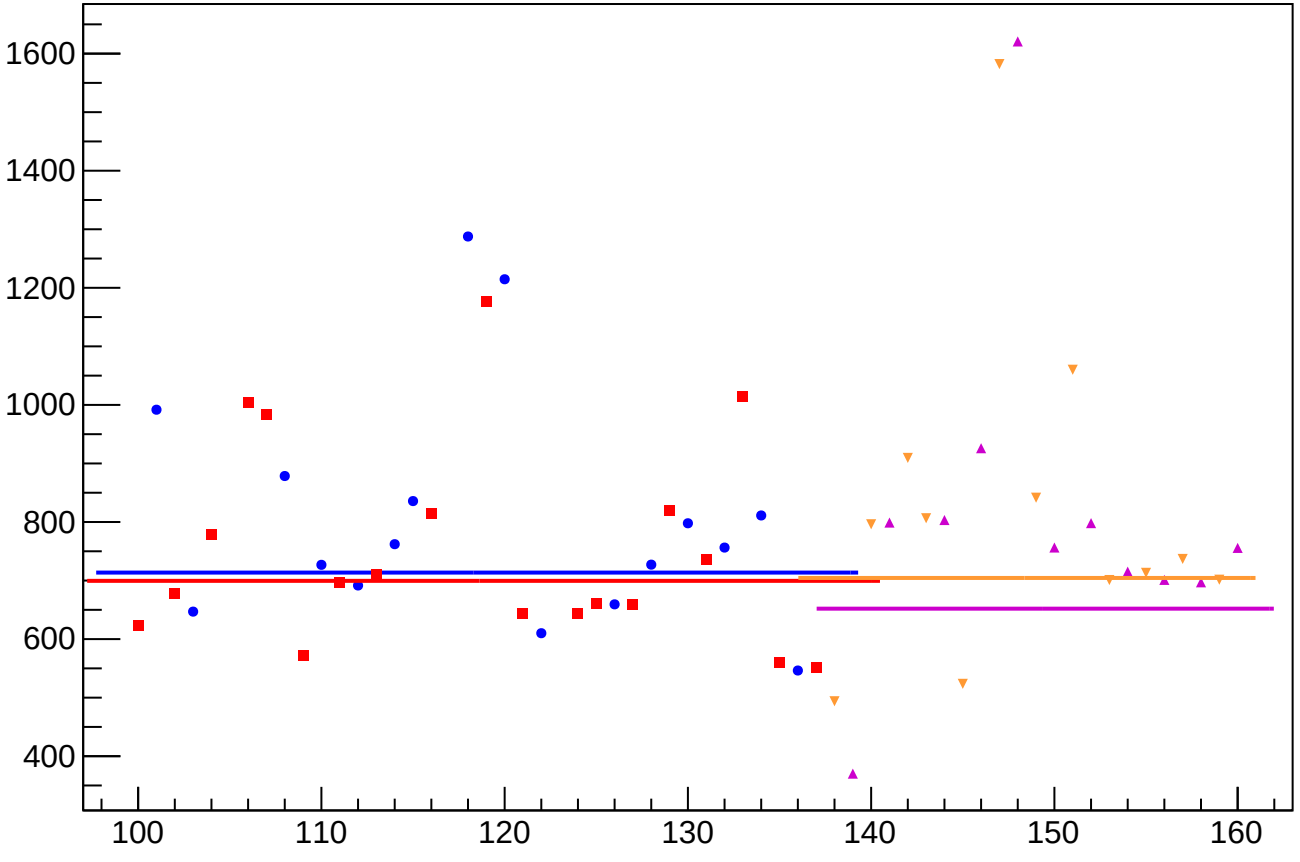
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.056+/-0.174 χ^2/NDF:14.6/26

Out: -0.037+/-0.178 χ^2/NDF:34.0/30

All: 0.011+/-0.124 χ^2/NDF: 48.7/57

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: 651.990+/-0.160 χ^2/NDF:1950114.5/10

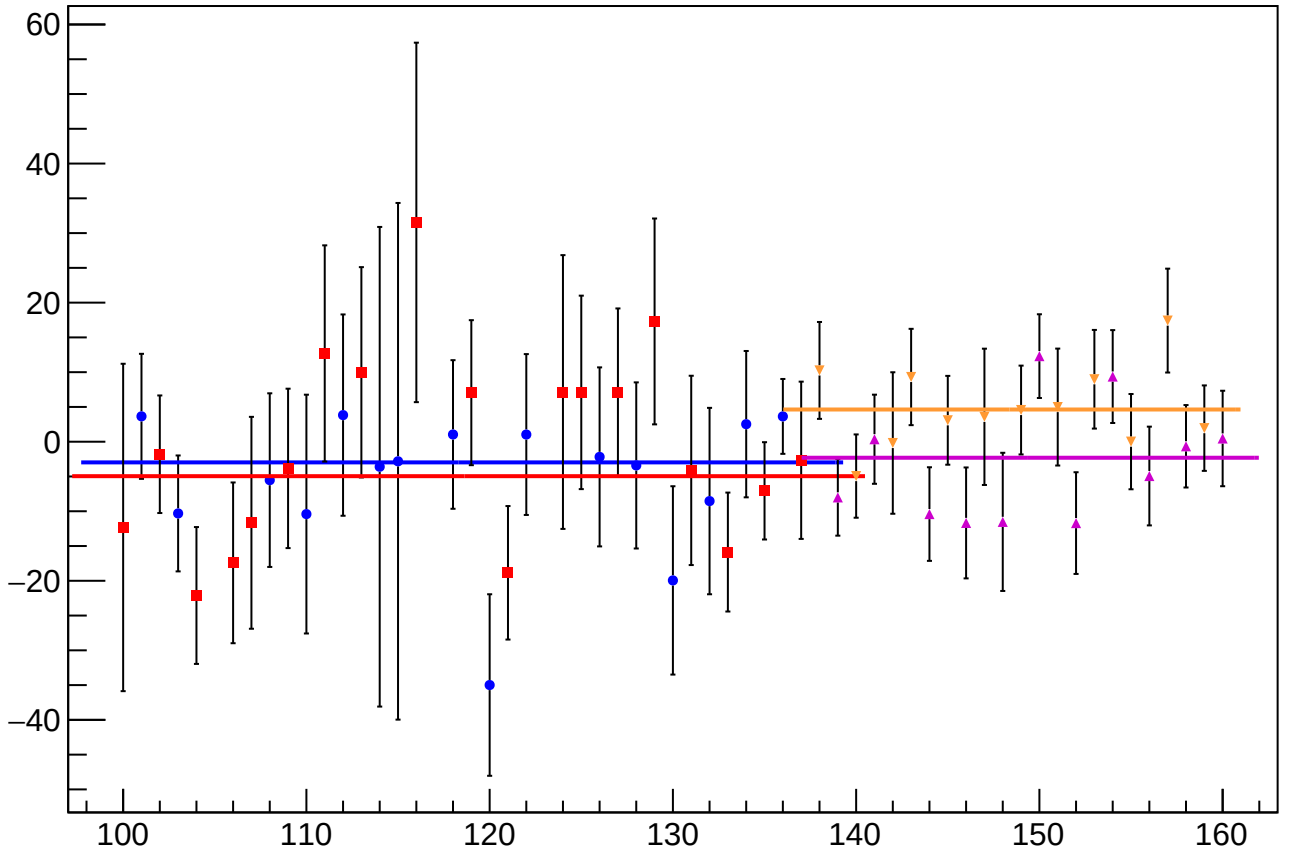
Left: 676.514+/-0.117 χ^2/NDF: 3219666.3/22

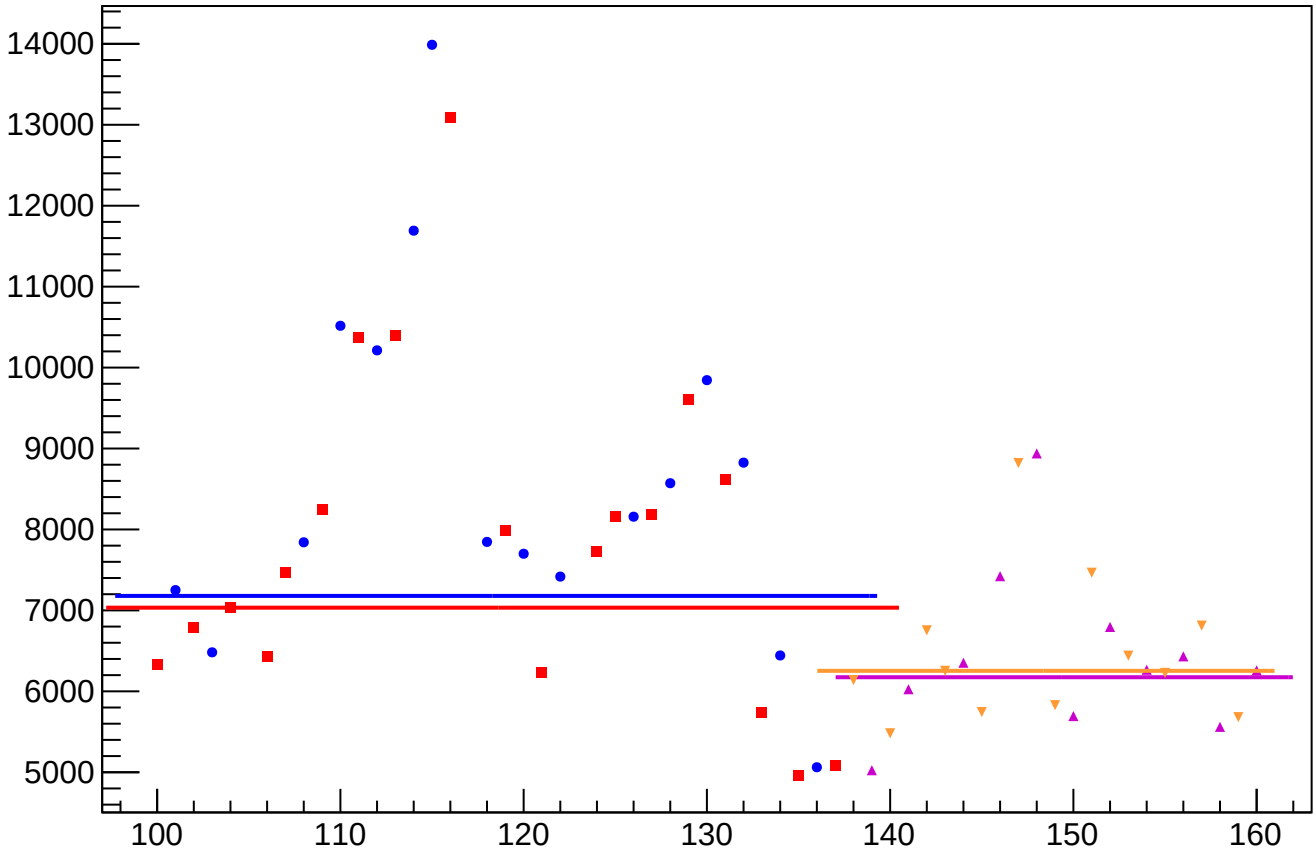
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 677.013+/-0.123 χ^2/NDF:2709908.6/26

Out: 702.186+/-0.126 χ^2/NDF:1795249.8/30

All: 689.336+/-0.088 χ^2/NDF: 4525640.6/57


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: -2.305+/-2.026 χ²/NDF:15.9/10
Left: 1.125+/-1.441 χ²/NDF: 29.6/22
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -2.541+/-1.631 χ²/NDF:27.5/26
Out: 1.050+/-1.622 χ²/NDF:34.6/30
All: -0.735+/-1.150 χ²/NDF: 64.5/57



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: 6174.107+/-1.433 χ^2/NDF:345461.5/10

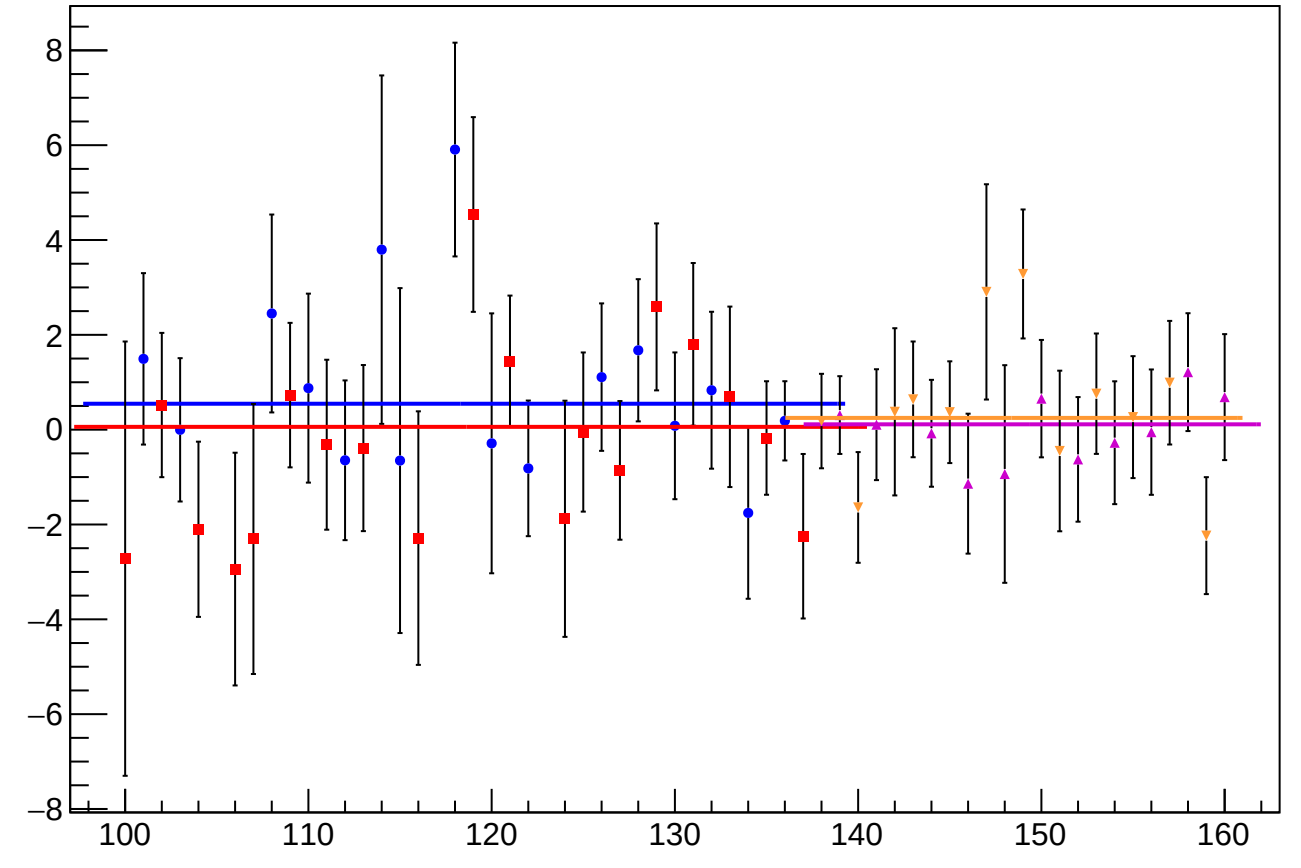
Left: 6213.230+/-1.019 χ^2/NDF: 615915.1/22

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6528.384+/-1.153 χ^2/NDF:1280768.2/26

Out: 6544.752+/-1.147 χ^2/NDF:1143697.3/30

All: 6536.613+/-0.813 χ^2/NDF: 2424566.8/57



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: 0.113+/-0.371 χ^2/NDF:2.6/10

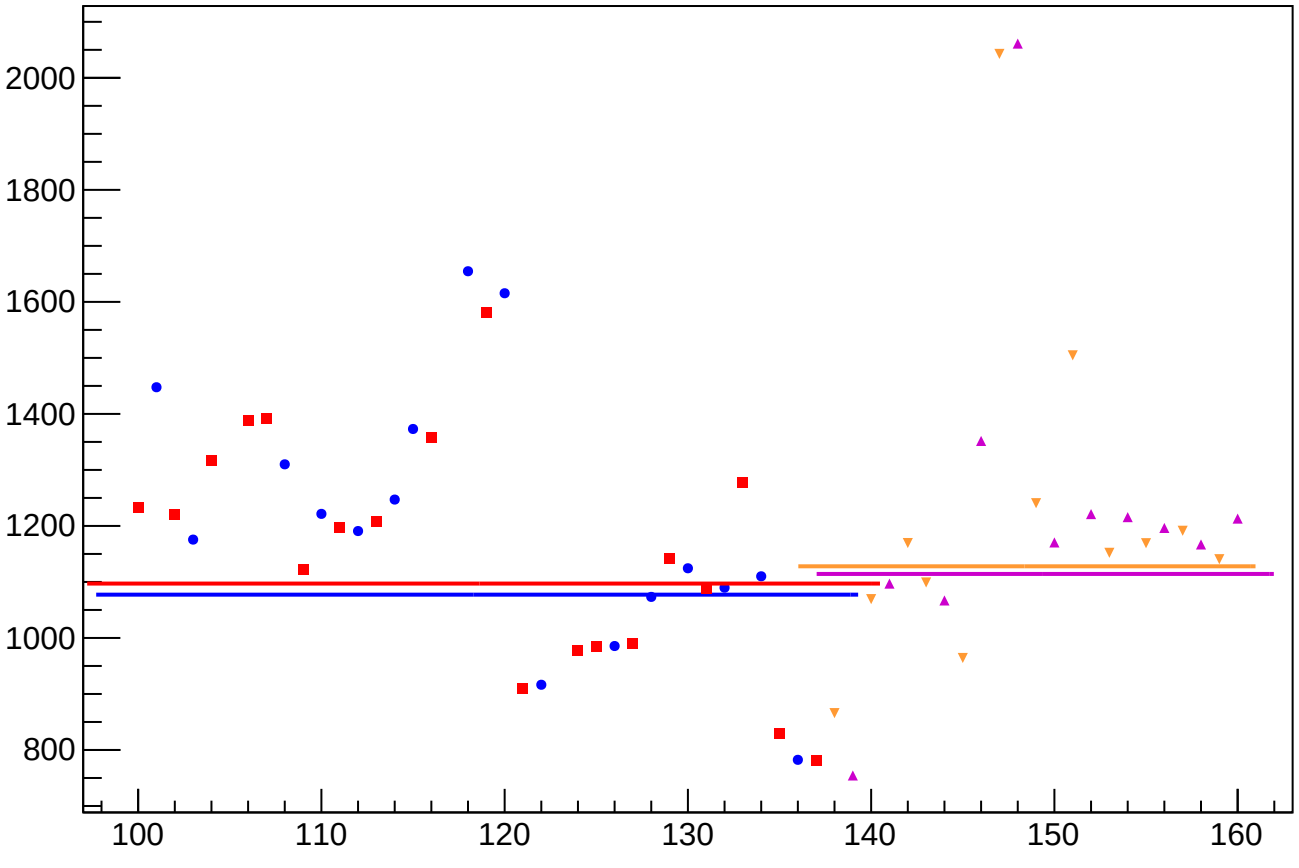
Left: 0.180+/-0.263 χ^2/NDF: 16.5/22

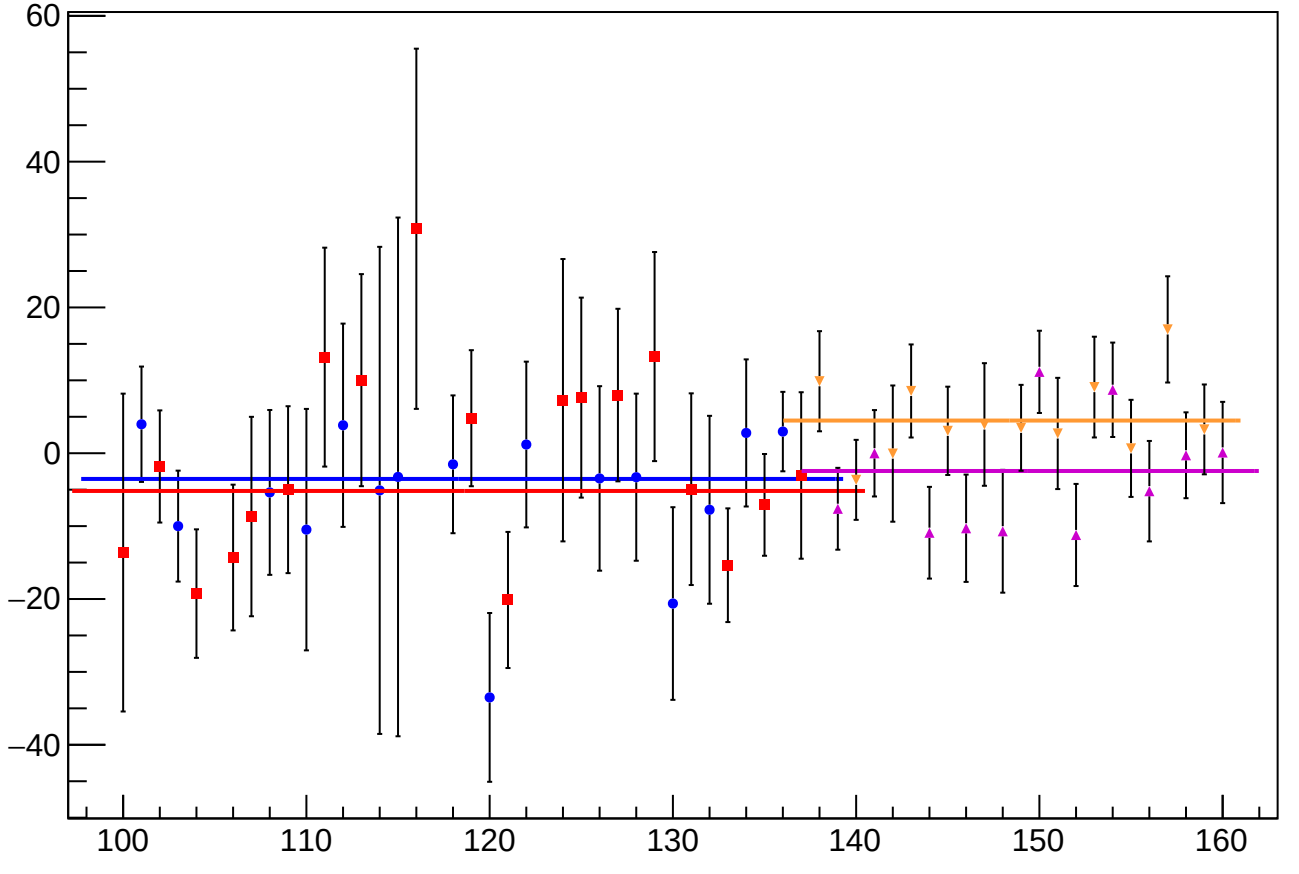
Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.308+/-0.275 χ^2/NDF:15.1/26

Out: 0.162+/-0.276 χ^2/NDF:30.8/30

All: 0.235+/-0.195 χ^2/NDF: 46.1/57


diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1077.306+/-0.291 χ²/NDF: 646521.7/15
Left Out: 1127.923+/-0.264 χ²/NDF:637381.8/11
Right Out: 1097.108+/-0.289 χ²/NDF: 484370.7/18
Left In: 1114.287+/-0.262 χ²/NDF:833211.3/10
Left: 1121.052+/-0.186 χ²/NDF: 1471934.1/22
Right: 1087.256+/-0.205 χ²/NDF: 1133226.7/34
In: 1097.682+/-0.195 χ²/NDF:1488660.1/26
Out: 1113.893+/-0.195 χ²/NDF:1127941.3/30
All: 1105.771+/-0.138 χ²/NDF: 2620061.3/57



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: -2.437+/-1.945 χ^2/NDF:15.7/10

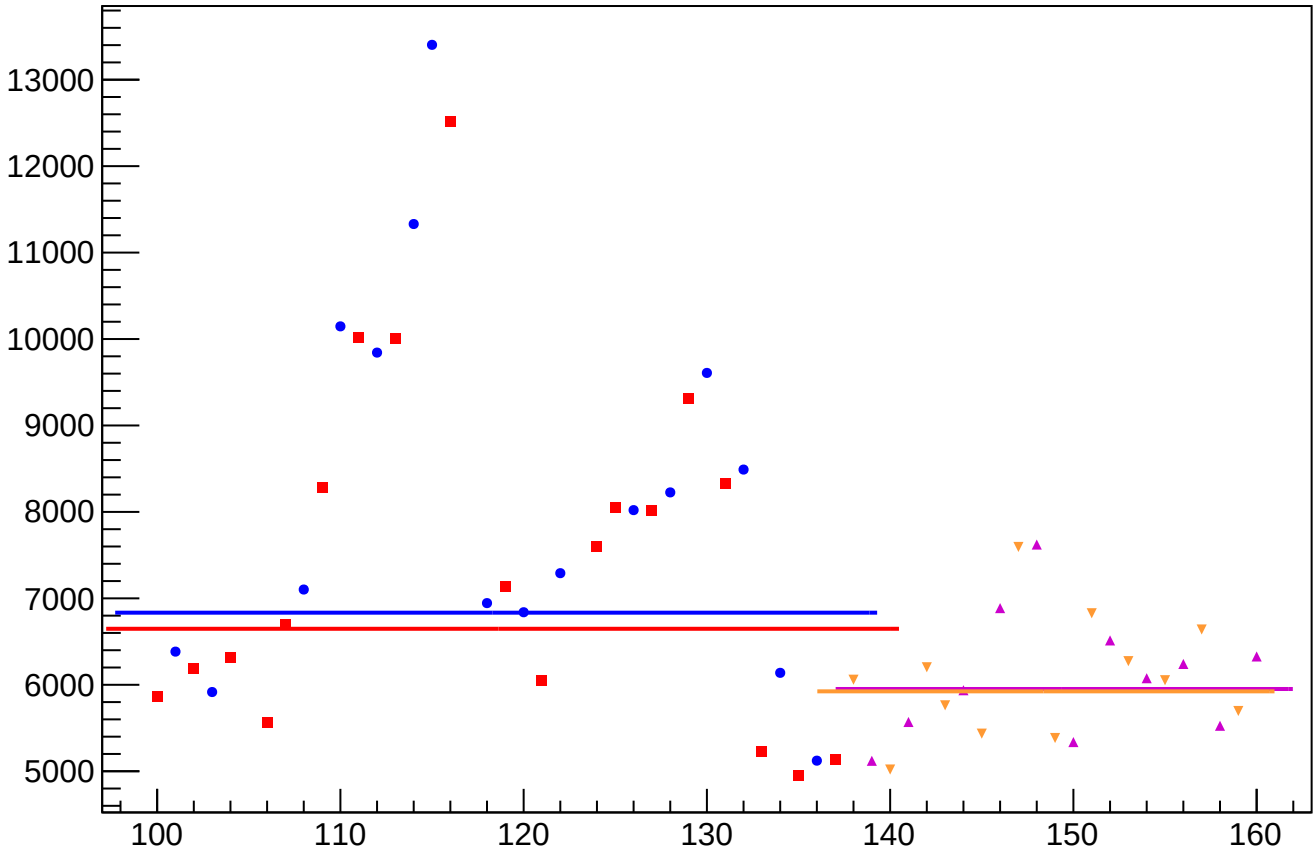
Left: 1.037+/-1.373 χ^2/NDF: 29.4/22

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.827+/-1.559 χ^2/NDF:28.4/26

Out: 0.873+/-1.533 χ^2/NDF:34.8/30

All: -0.946+/-1.093 χ^2/NDF: 66.1/57



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5924.288+/-1.370 χ^2/NDF:222757.2/11

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5951.513+/-1.376 χ^2/NDF:220197.8/10

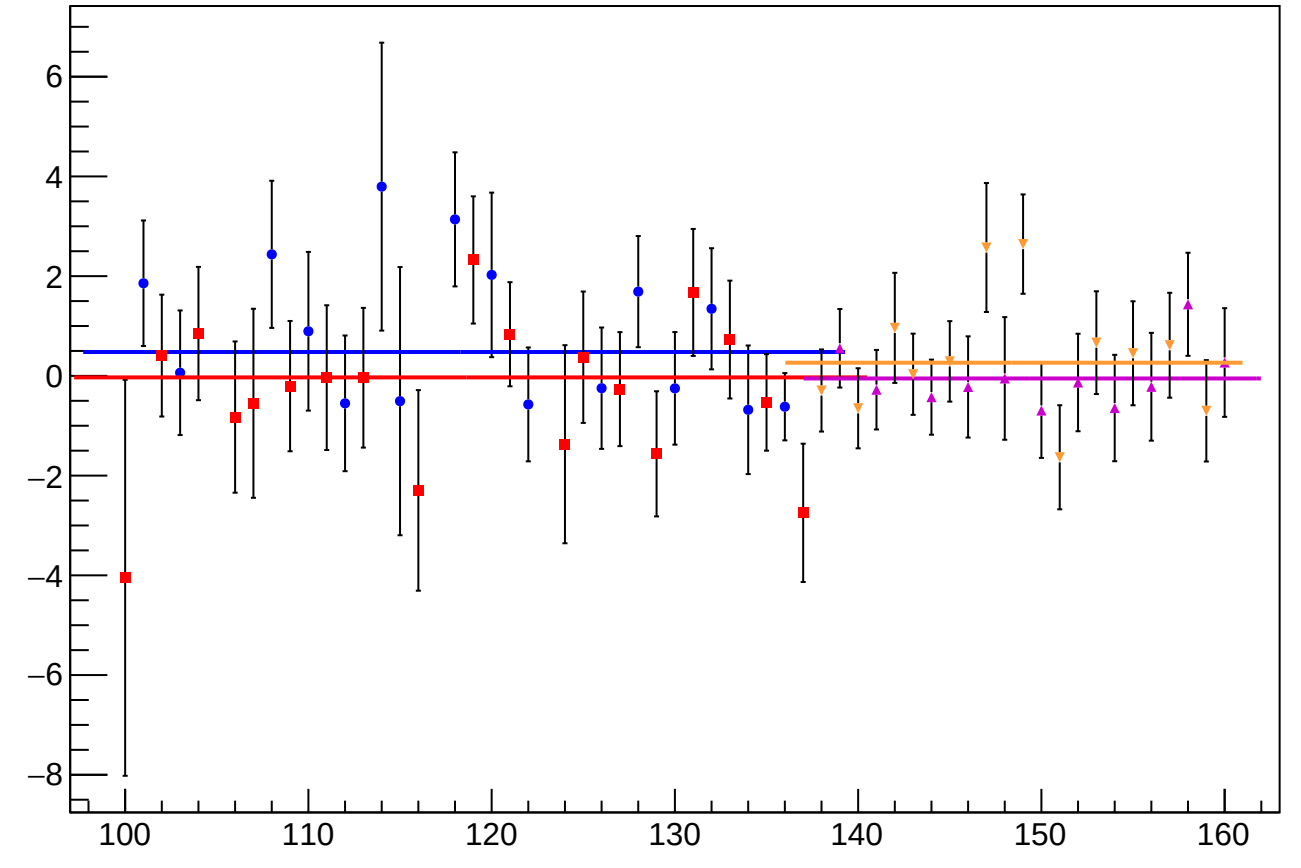
Left: 5937.846+/-0.971 χ^2/NDF: 443151.7/22

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6267.075+/-1.103 χ^2/NDF:1060163.0/26

Out: 6194.781+/-1.084 χ^2/NDF:1112153.5/30

All: 6230.319+/-0.773 χ^2/NDF: 2174502.2/57



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: -0.052+/-0.286 χ^2/NDF:3.9/10

Left: 0.112+/-0.198 χ^2/NDF: 20.2/22

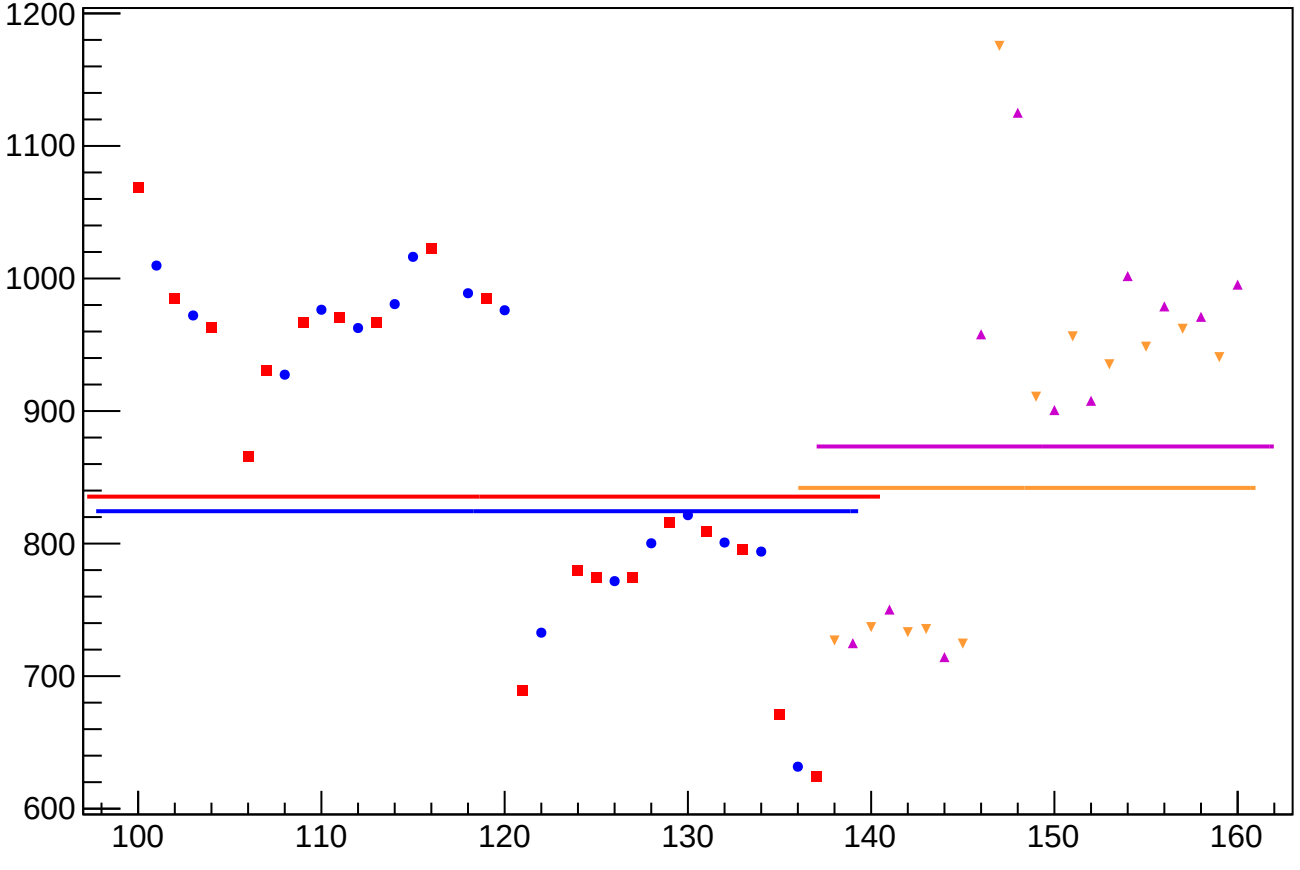
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.191+/-0.210 χ^2/NDF:22.2/26

Out: 0.133+/-0.206 χ^2/NDF:31.8/30

All: 0.162+/-0.147 χ^2/NDF: 54.1/57

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



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: 873.270+/-0.202 χ^2/NDF:400764.4/10

Left: 857.090+/-0.140 χ^2/NDF: 831283.1/22

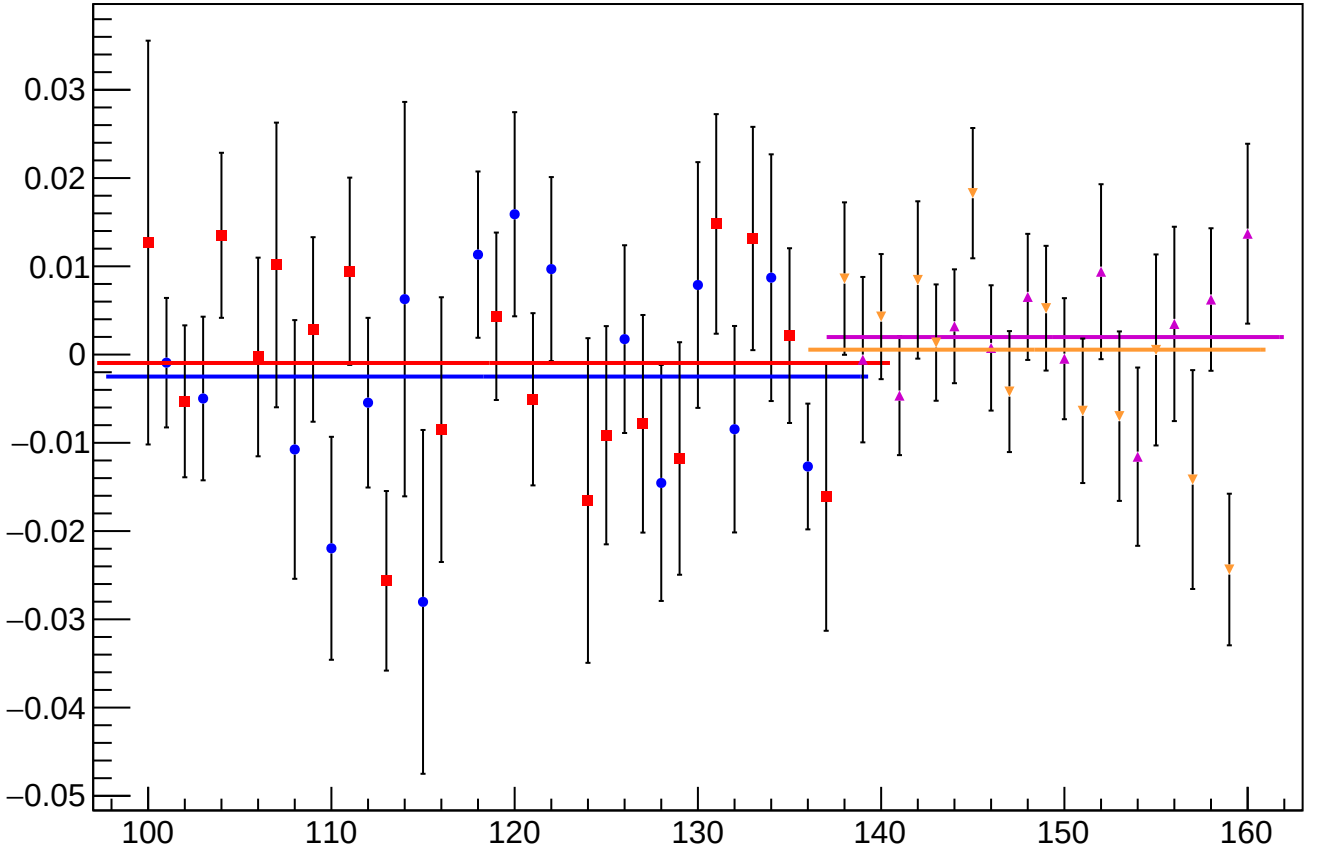
Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 850.894+/-0.149 χ^2/NDF:792986.8/26

Out: 839.098+/-0.145 χ^2/NDF:737946.7/30

All: 844.861+/-0.104 χ^2/NDF: 1534149.4/57

diff_dispE_bpm12X_mean vs Slug, Sign Corrected



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: 0.002+/-0.002 χ^2/NDF:5.6/10

Left: 0.001+/-0.002 χ^2/NDF: 25.6/22

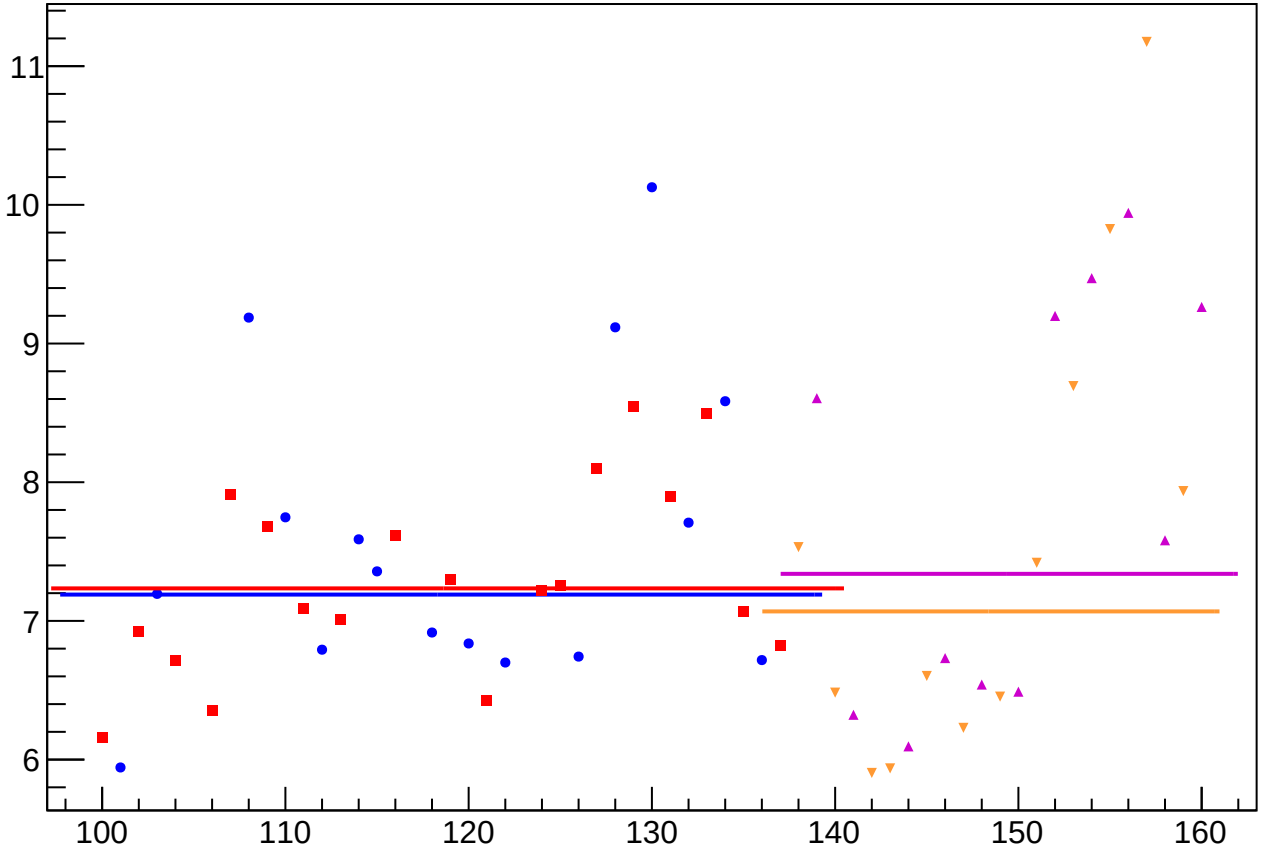
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:22.4/26

Out: -0.000+/-0.002 χ^2/NDF:37.3/30

All: -0.000+/-0.001 χ^2/NDF: 59.7/57

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: 7.339+/-0.002 χ^2/NDF:570953.6/10

Left: 7.199+/-0.001 χ^2/NDF: 1179999.6/22

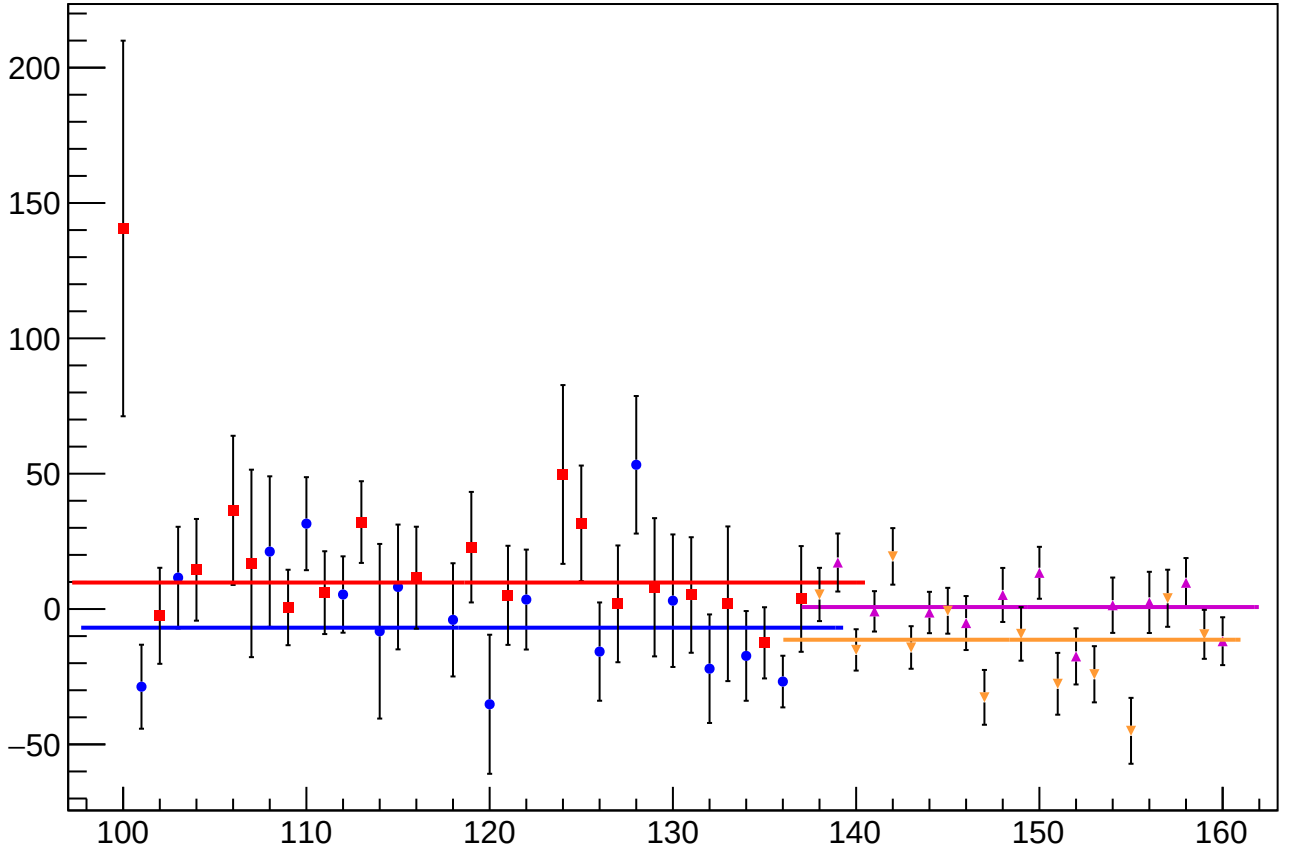
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.273+/-0.001 χ^2/NDF:851986.7/26

Out: 7.141+/-0.001 χ^2/NDF:706727.3/30

All: 7.205+/-0.001 χ^2/NDF: 1564235.5/57

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.340+/-2.756 χ^2/NDF:31.4/11

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 0.737+/-2.814 χ^2/NDF:10.9/10

Left: -5.428+/-1.969 χ^2/NDF: 51.6/22

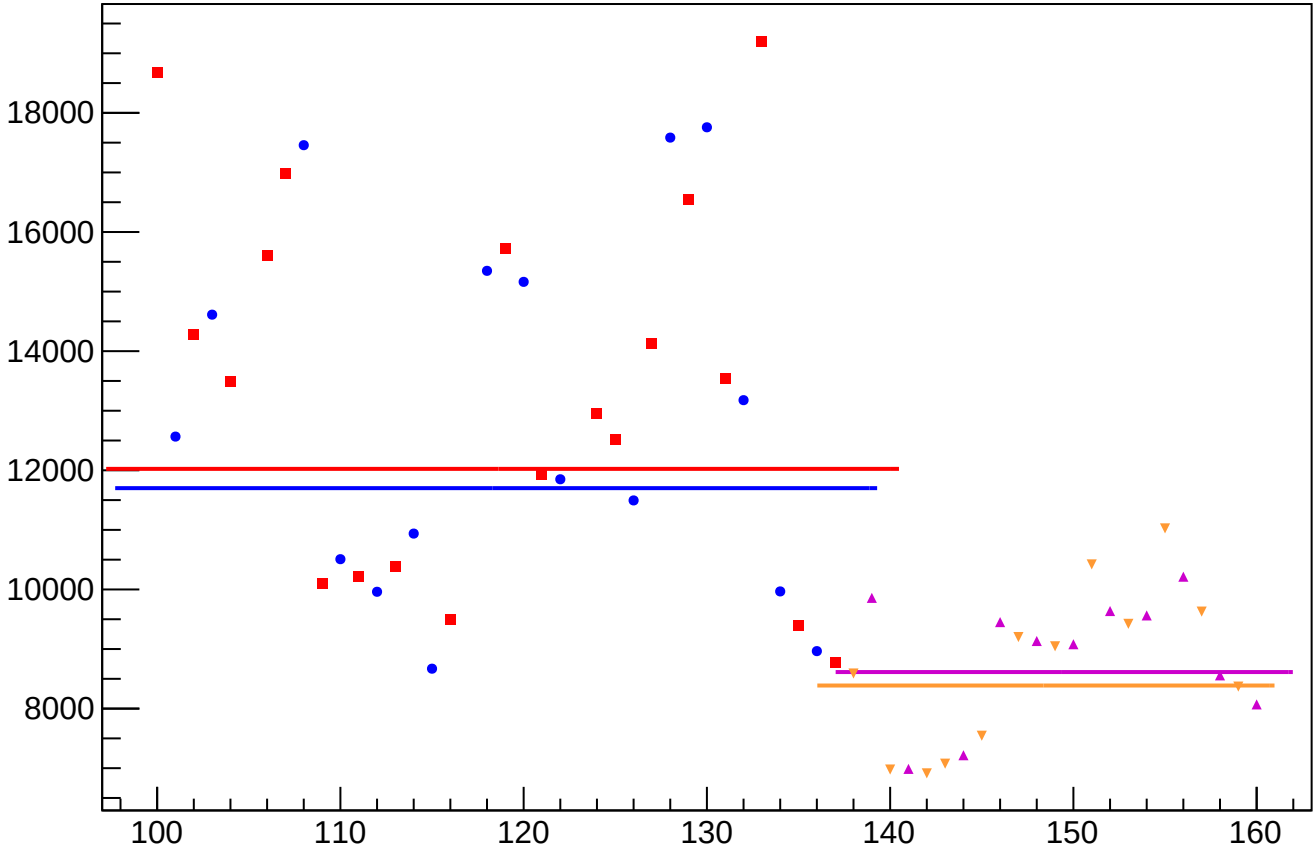
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.416+/-2.384 χ^2/NDF:36.0/26

Out: -5.608+/-2.353 χ^2/NDF:61.3/30

All: -3.540+/-1.675 χ^2/NDF: 98.8/57

diff_targ_positionX_rms vs Slug, Sign Corrected



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: 8613.575+/-1.990 χ^2/NDF:297518.5/10

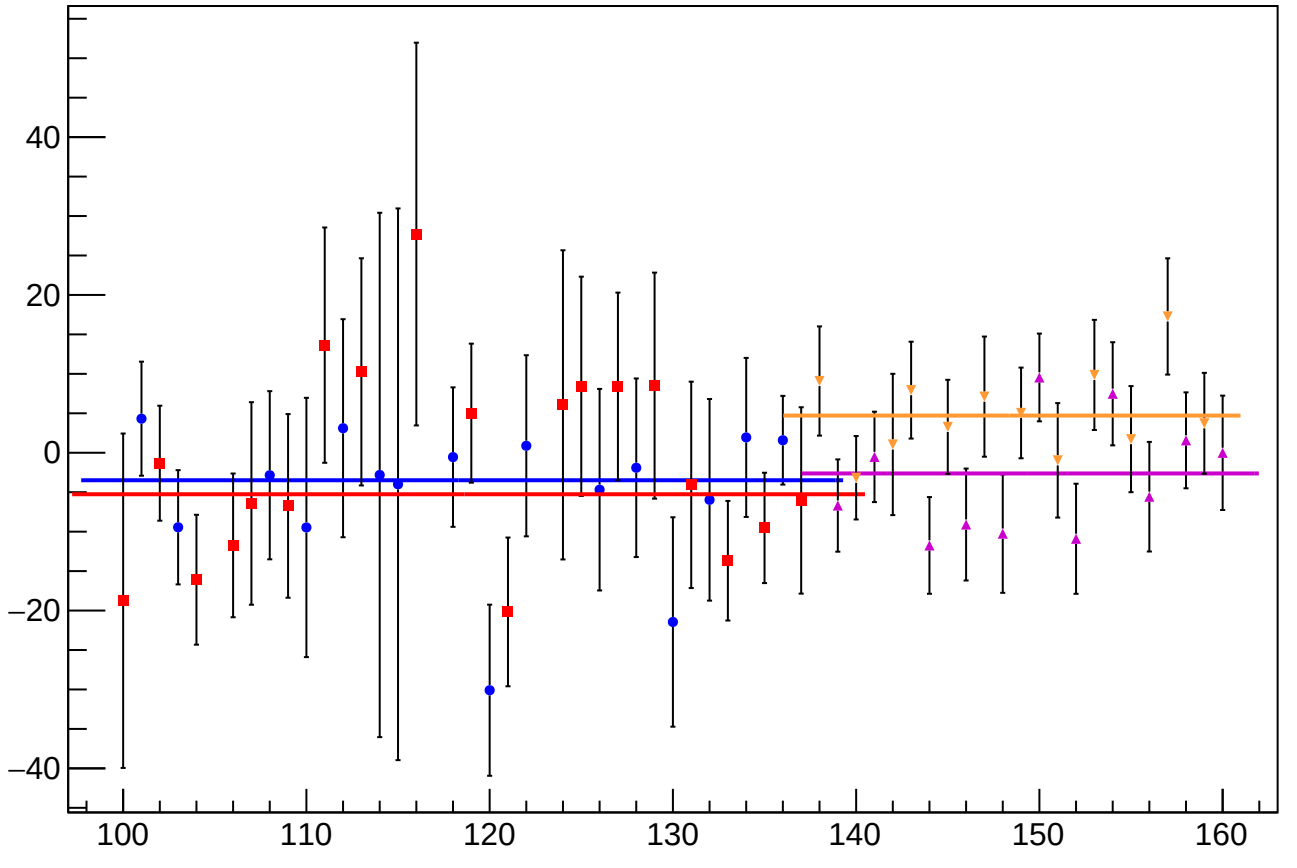
Left: 8498.217+/-1.392 χ^2/NDF: 715112.3/22

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9484.752+/-1.686 χ^2/NDF:1716822.1/26

Out: 9374.136+/-1.664 χ^2/NDF:2040367.4/30

All: 9428.709+/-1.184 χ^2/NDF: 3759370.4/57



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: -2.623+/-1.935 χ^2/NDF:14.1/10

Left: 1.104+/-1.357 χ^2/NDF: 28.9/22

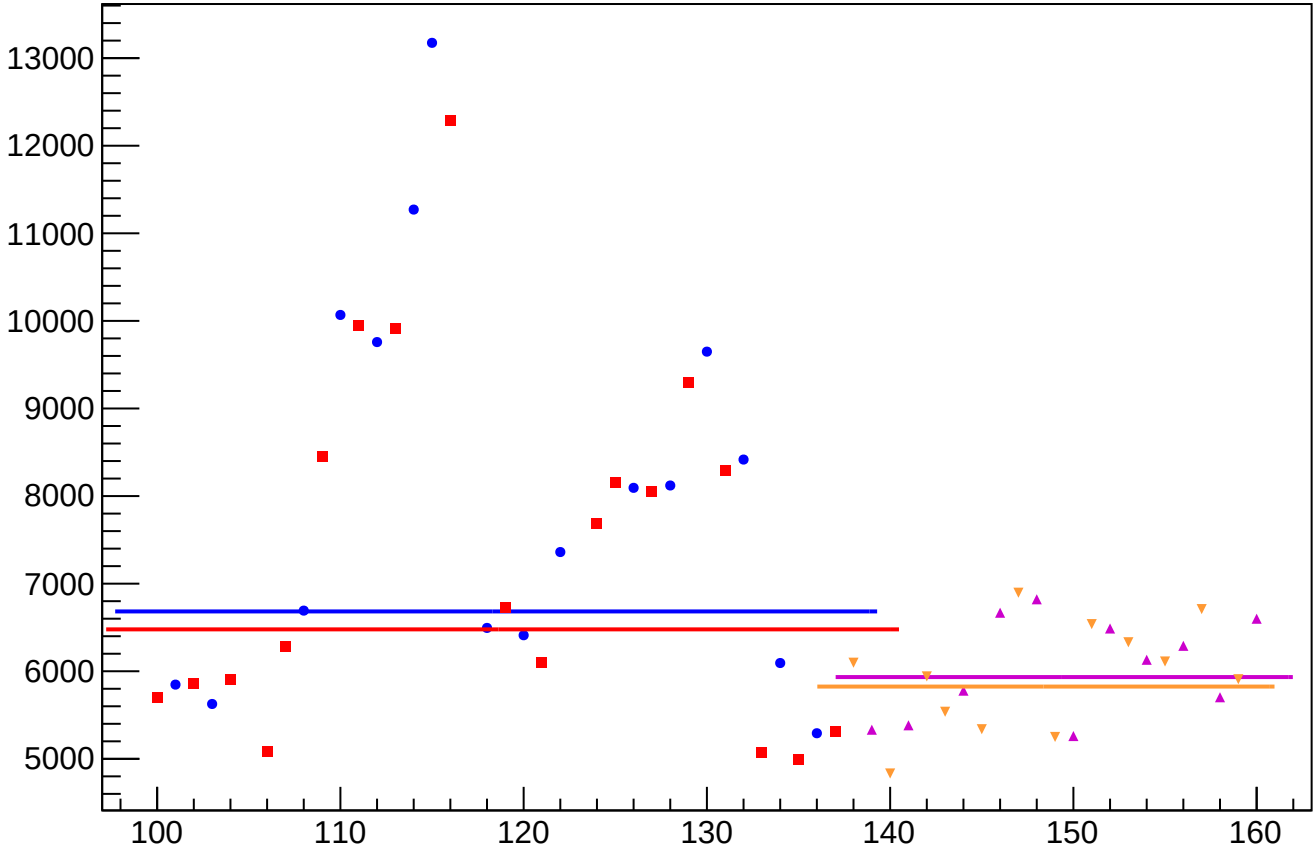
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.938+/-1.541 χ^2/NDF:25.6/26

Out: 0.950+/-1.503 χ^2/NDF:34.5/30

All: -0.944+/-1.076 χ^2/NDF: 63.4/57

diff_targ_positionY_rms vs Slug, Sign Corrected



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: 5933.593+/-1.368 χ^2/NDF:159202.8/10

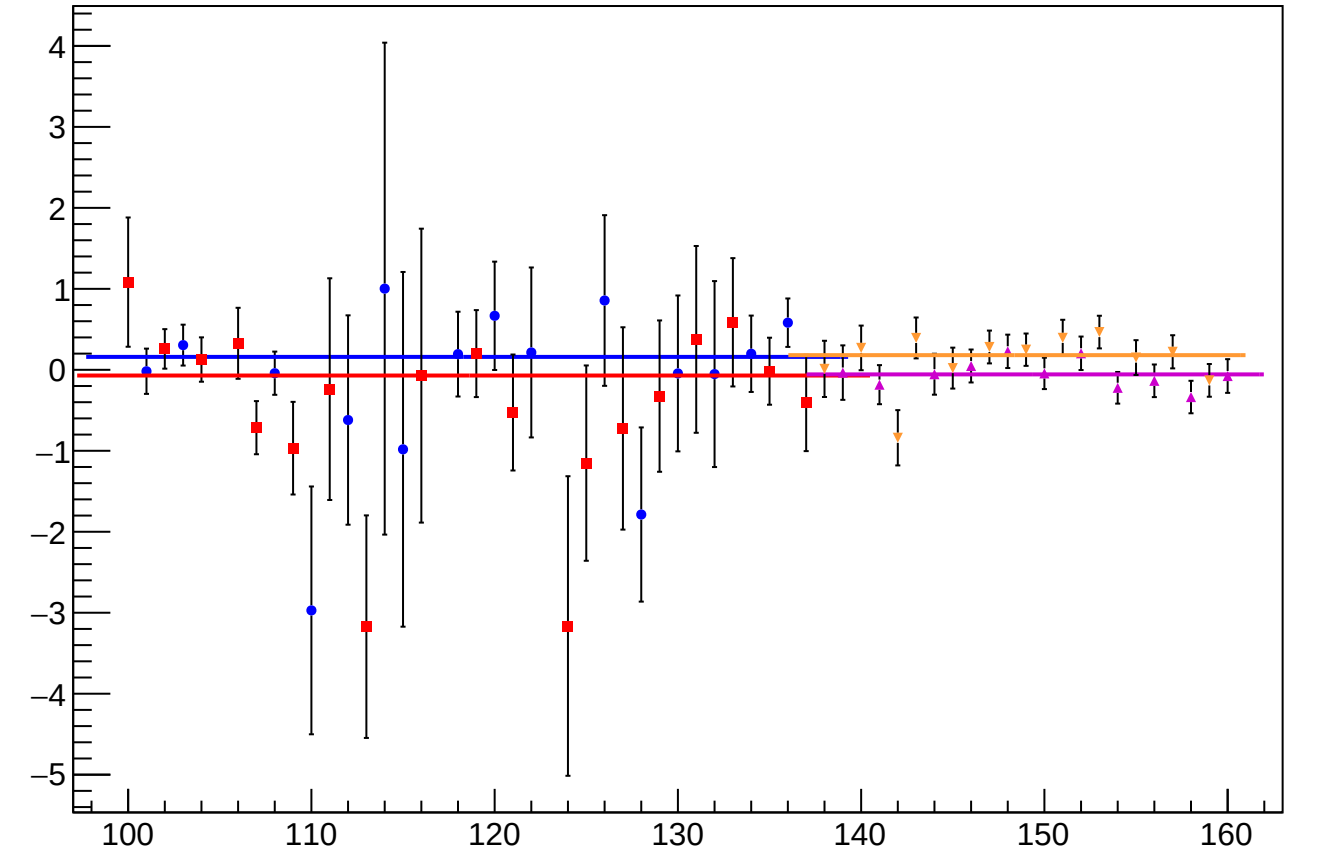
Left: 5878.470+/-0.960 χ^2/NDF: 376249.7/22

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

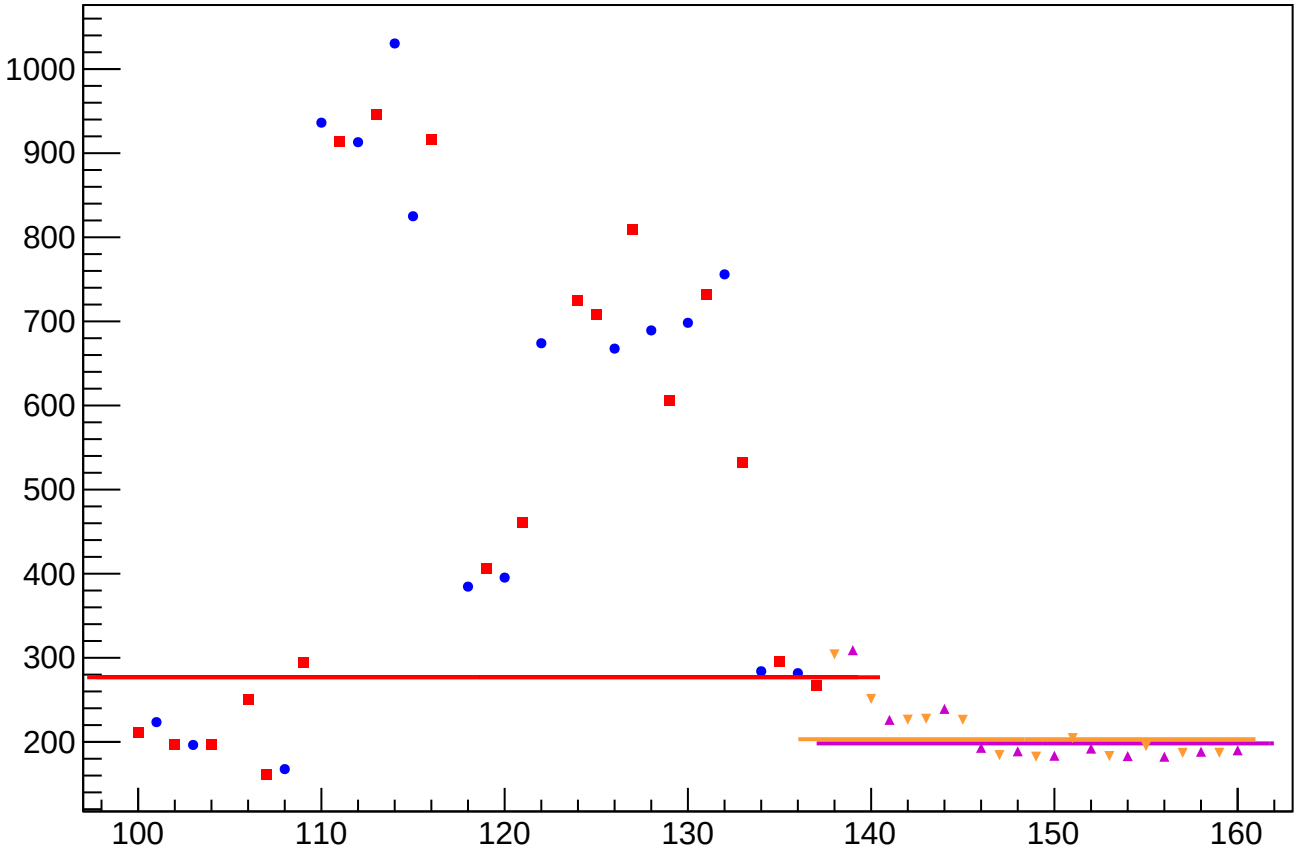
In: 6207.451+/-1.090 χ^2/NDF:961042.8/26

Out: 6071.443+/-1.062 χ^2/NDF:1141833.4/30

All: 6137.715+/-0.761 χ^2/NDF: 2110861.4/57


diff_targ_thetaX_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
Right In: 0.160+/-0.120 χ²/NDF: 12.6/15
Left Out: 0.181+/-0.067 χ²/NDF:16.1/11
Right Out: -0.070+/-0.120 χ²/NDF: 22.5/18
Left In: -0.057+/-0.065 χ²/NDF:6.9/10
Left: 0.059+/-0.046 χ²/NDF: 29.5/22
Right: 0.045+/-0.085 χ²/NDF: 36.9/34
In: -0.008+/-0.057 χ²/NDF:22.0/26
Out: 0.122+/-0.058 χ²/NDF:41.9/30
All: 0.056+/-0.041 χ²/NDF: 66.4/57

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: 198.243+/-0.046 χ^2/NDF:347542.1/10

Left: 200.658+/-0.033 χ^2/NDF: 714037.6/22

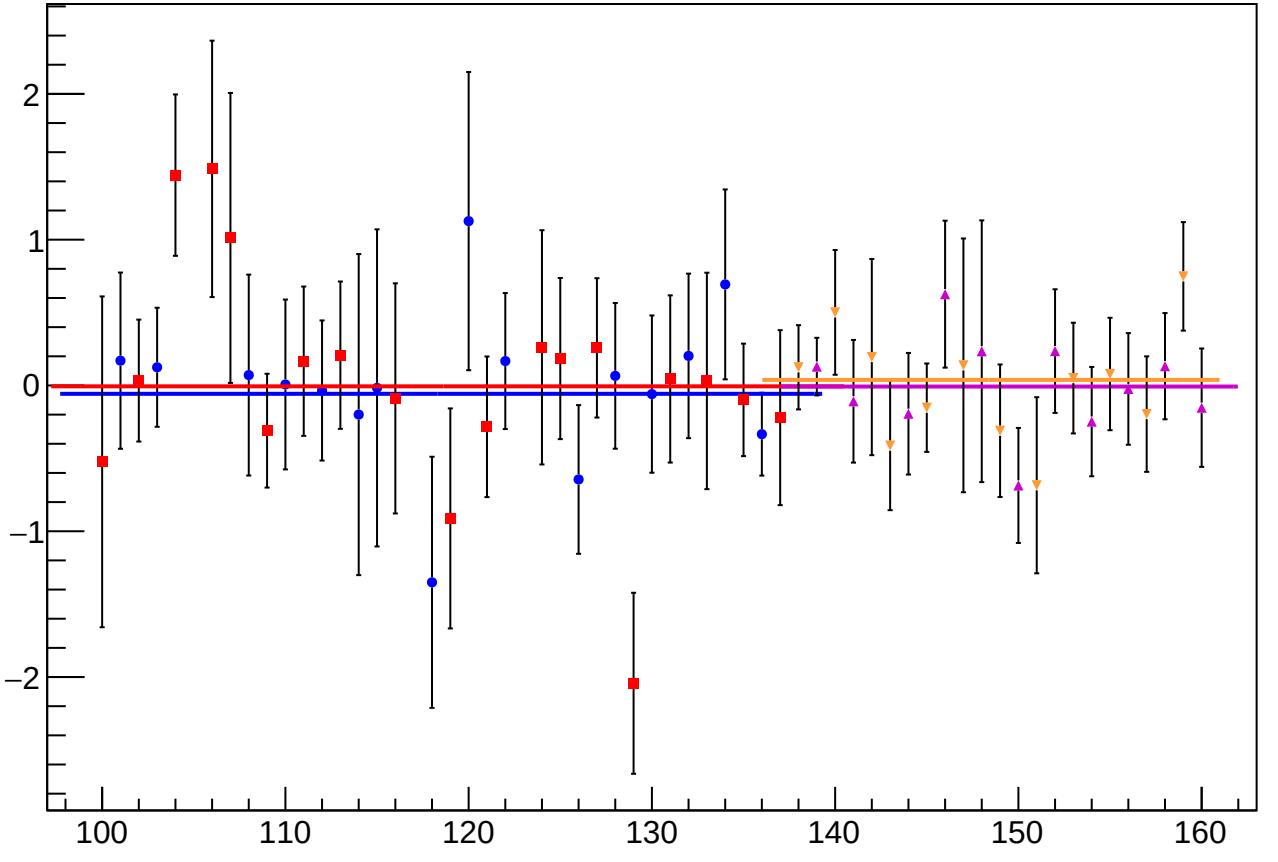
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 216.124+/-0.040 χ^2/NDF:4468972.5/26

Out: 220.617+/-0.041 χ^2/NDF:4510748.6/30

All: 218.323+/-0.029 χ^2/NDF: 8985808.3/57

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.038+/-0.118 χ^2/NDF:8.8/11

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.007+/-0.111 χ^2/NDF:6.4/10

Left: 0.014+/-0.081 χ^2/NDF: 15.2/22

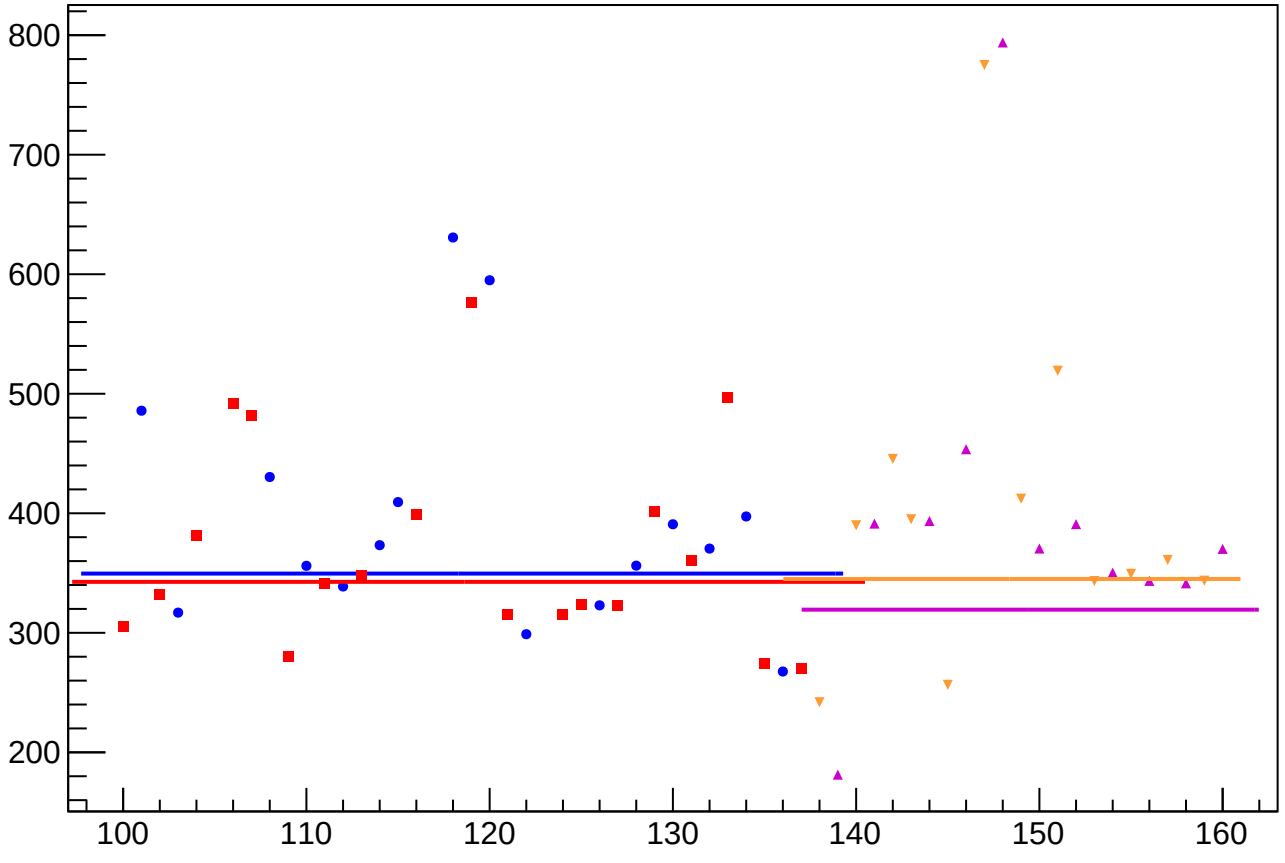
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.028+/-0.085 χ^2/NDF:14.6/26

Out: 0.018+/-0.087 χ^2/NDF:34.0/30

All: -0.005+/-0.061 χ^2/NDF: 48.7/57

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: 319.368+/-0.078 χ^2/NDF:1950114.5/10

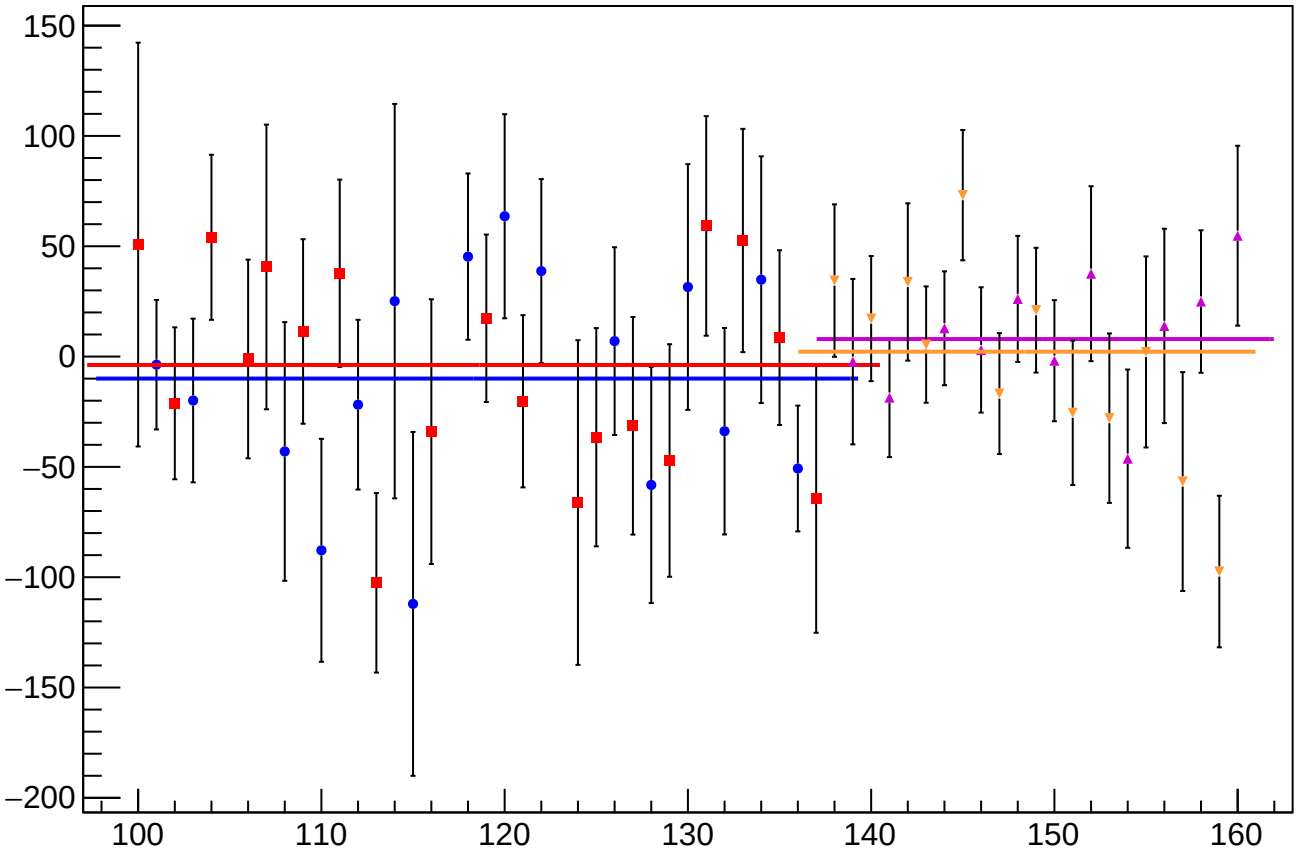
Left: 331.381+/-0.057 χ^2/NDF: 3219666.3/22

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 331.625+/-0.060 χ^2/NDF:2709908.6/26

Out: 343.956+/-0.062 χ^2/NDF:1795249.8/30

All: 337.662+/-0.043 χ^2/NDF: 4525640.6/57



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: 7.936+/-9.666 χ^2/NDF:5.6/10

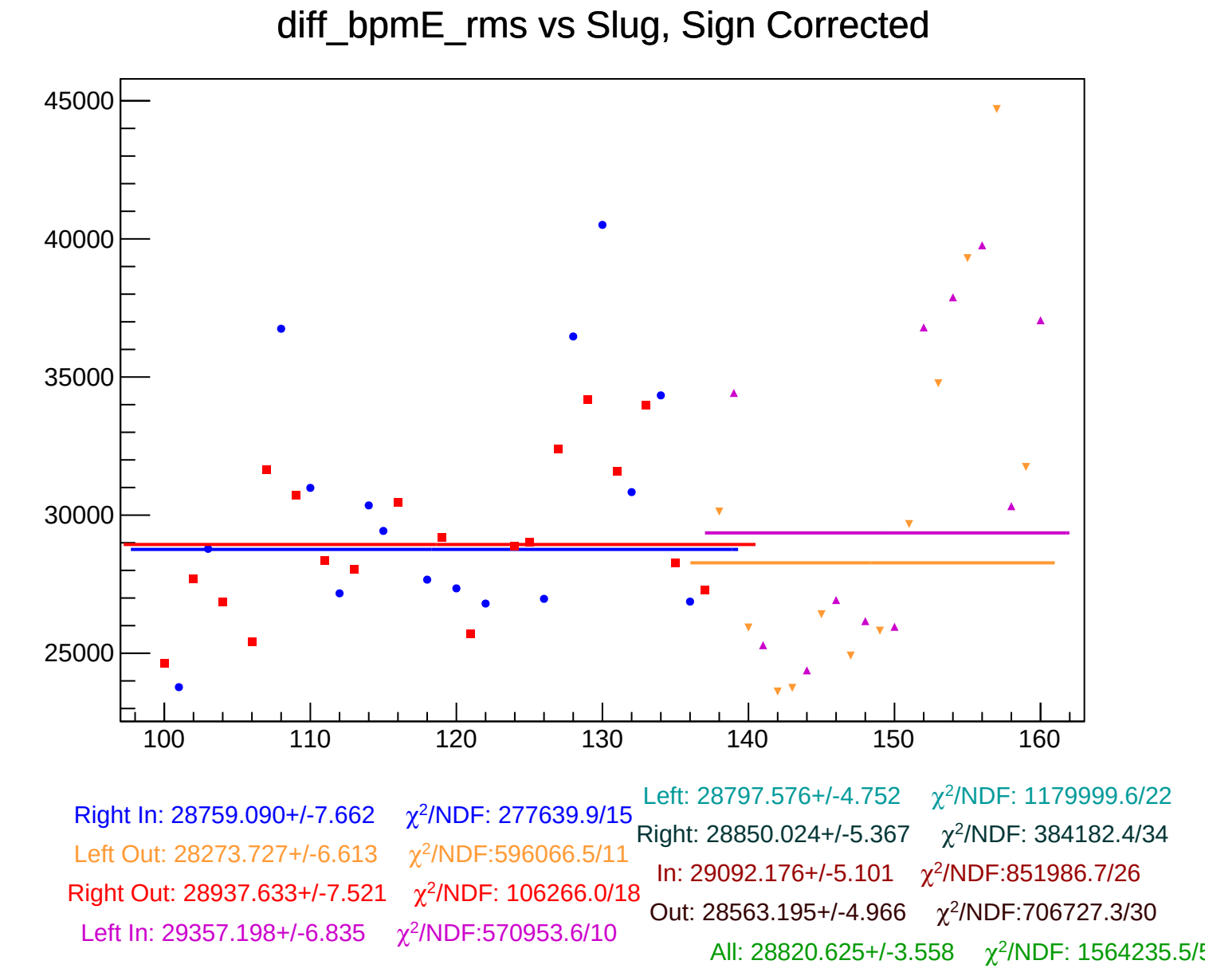
Left: 4.984+/-6.721 χ^2/NDF: 25.6/22

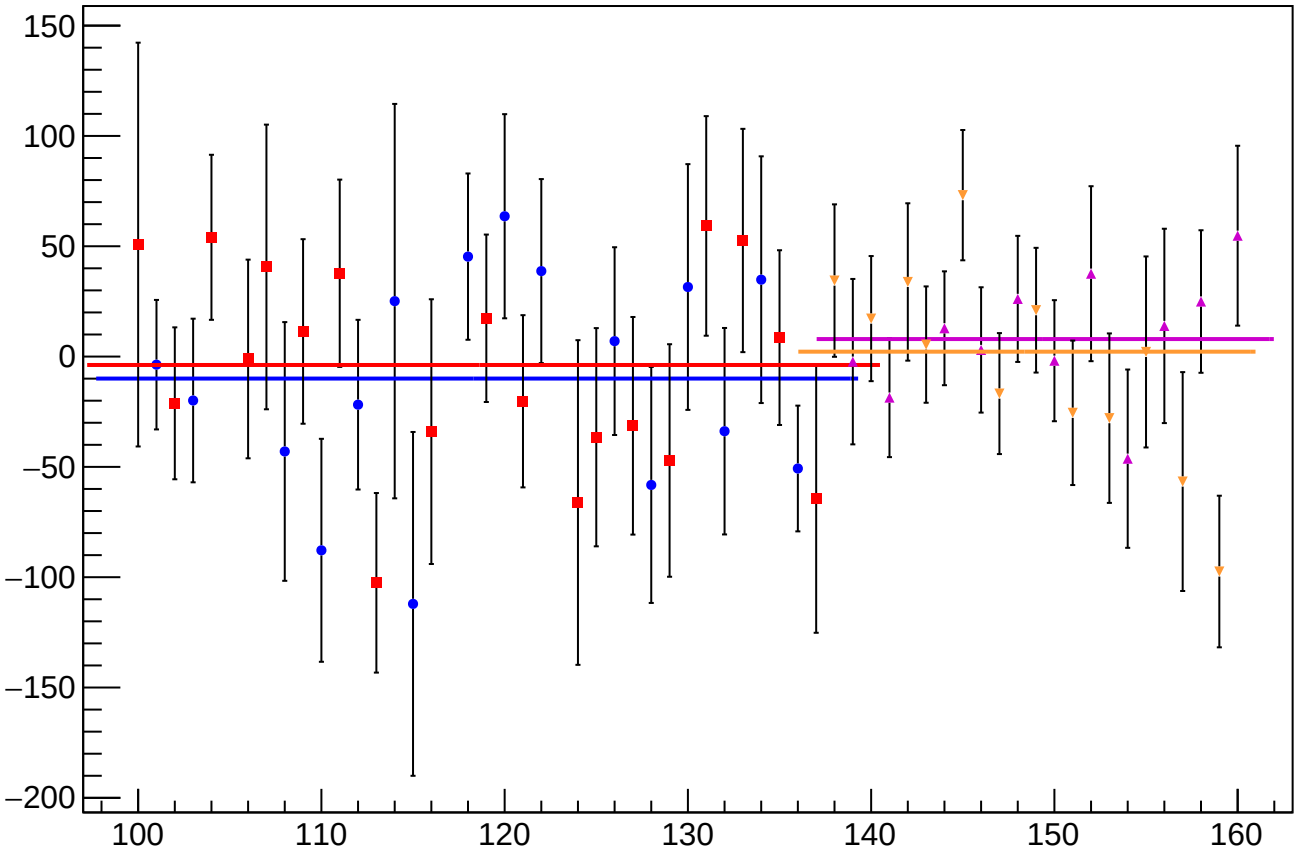
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.002+/-7.213 χ^2/NDF:22.4/26

Out: -0.410+/-7.023 χ^2/NDF:37.3/30

All: -0.210+/-5.032 χ^2/NDF: 59.7/57


diff_bpmE_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 28273.727+/-6.613 χ²/NDF:596066.5/11
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 29357.198+/-6.835 χ²/NDF:570953.6/10
Left: 28797.576+/-4.752 χ²/NDF: 1179999.6/22
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29092.176+/-5.101 χ²/NDF:851986.7/26
Out: 28563.195+/-4.966 χ²/NDF:706727.3/30
All: 28820.625+/-3.558 χ²/NDF: 1564235.5/5



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: 7.936+/-9.666 χ^2/NDF:5.6/10

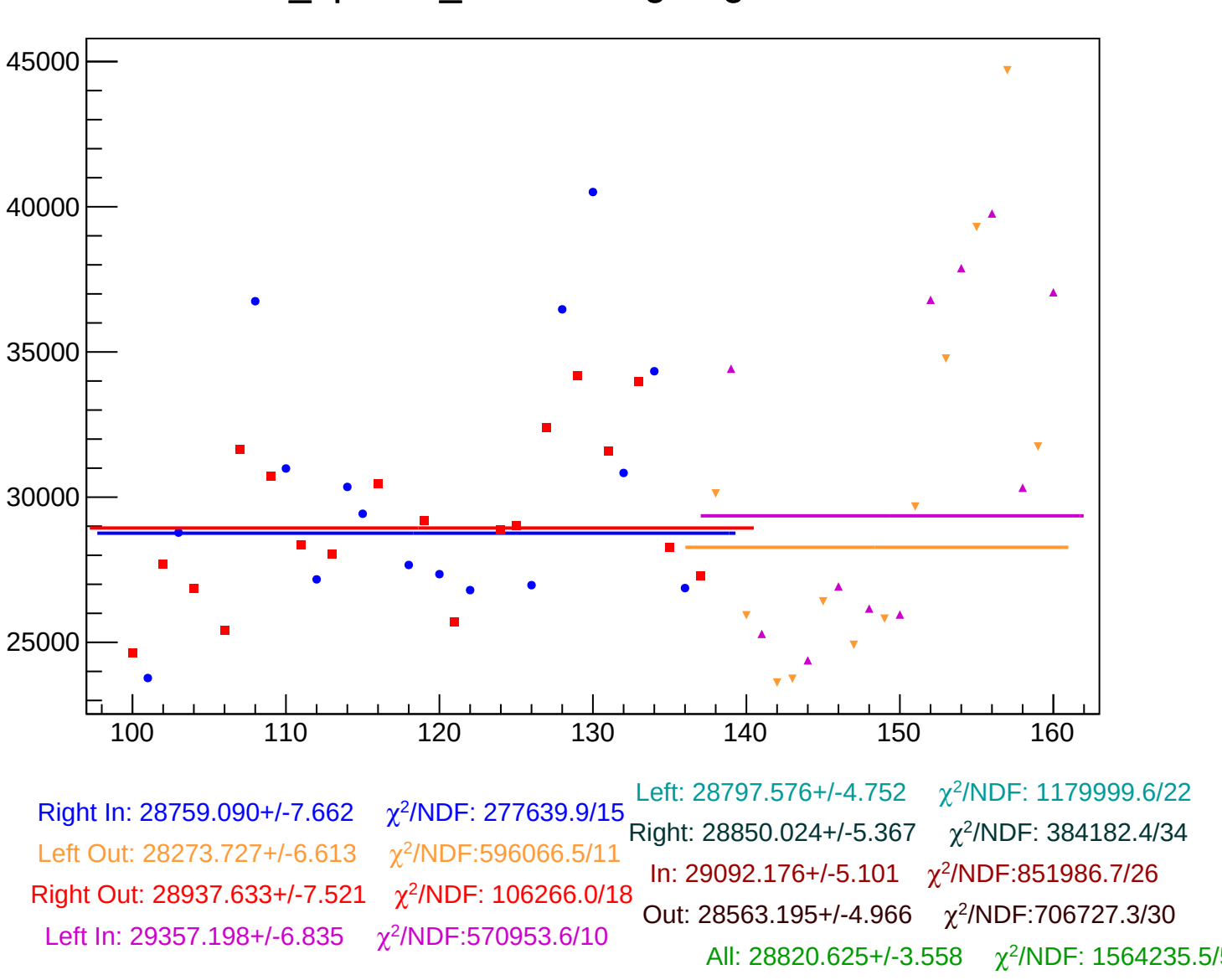
Left: 4.984+/-6.721 χ^2/NDF: 25.6/22

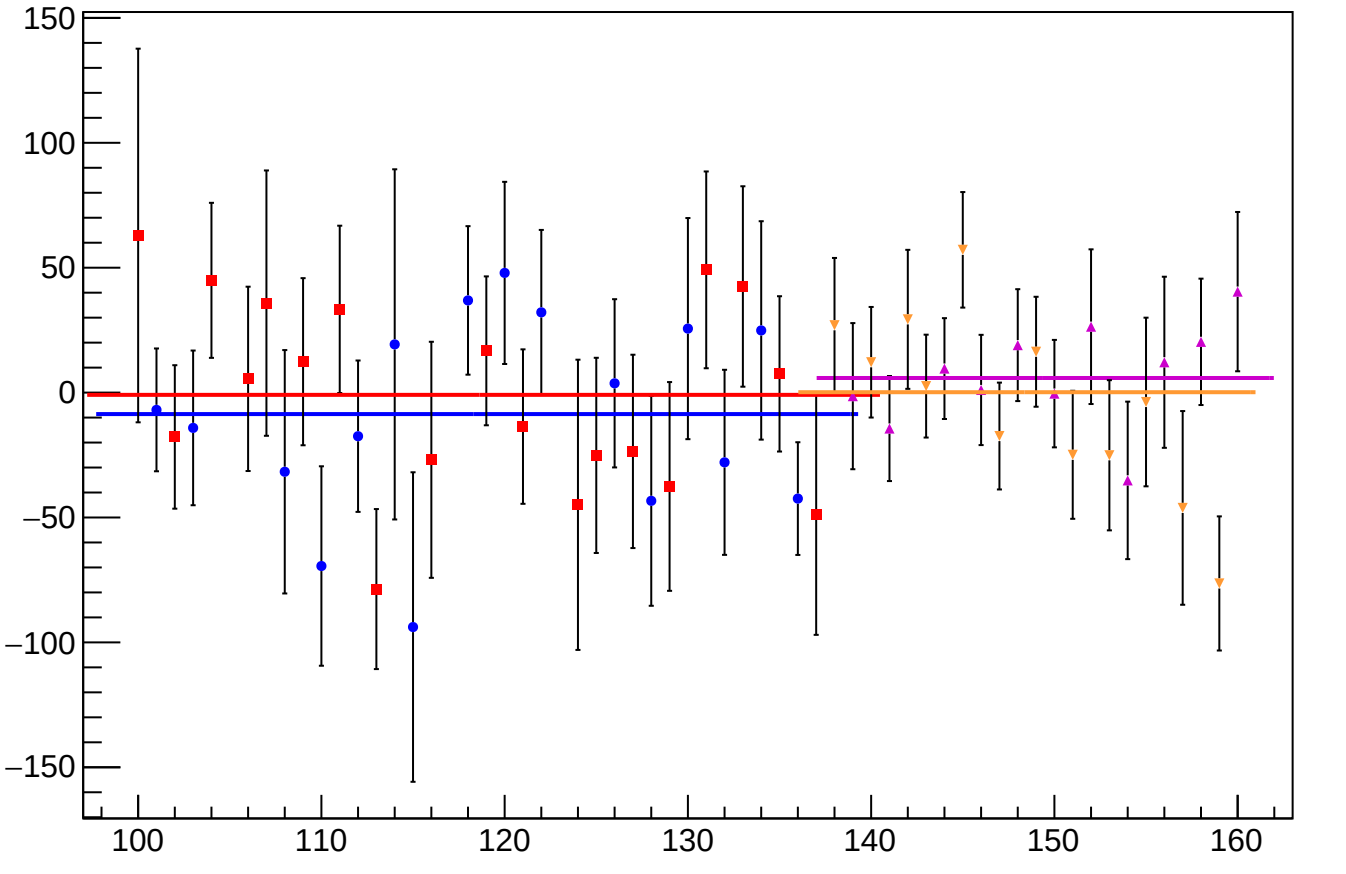
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

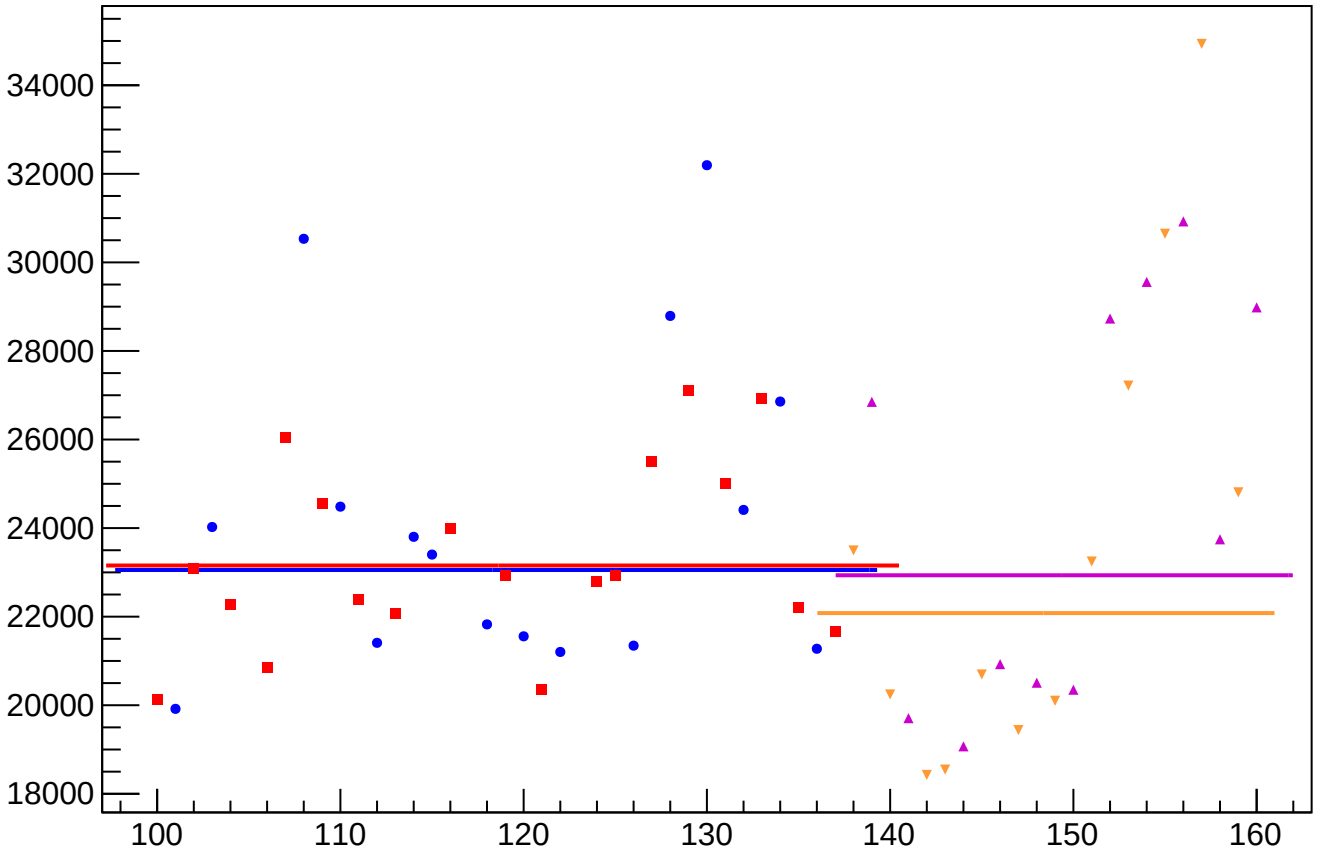
In: 0.002+/-7.213 χ^2/NDF:22.4/26

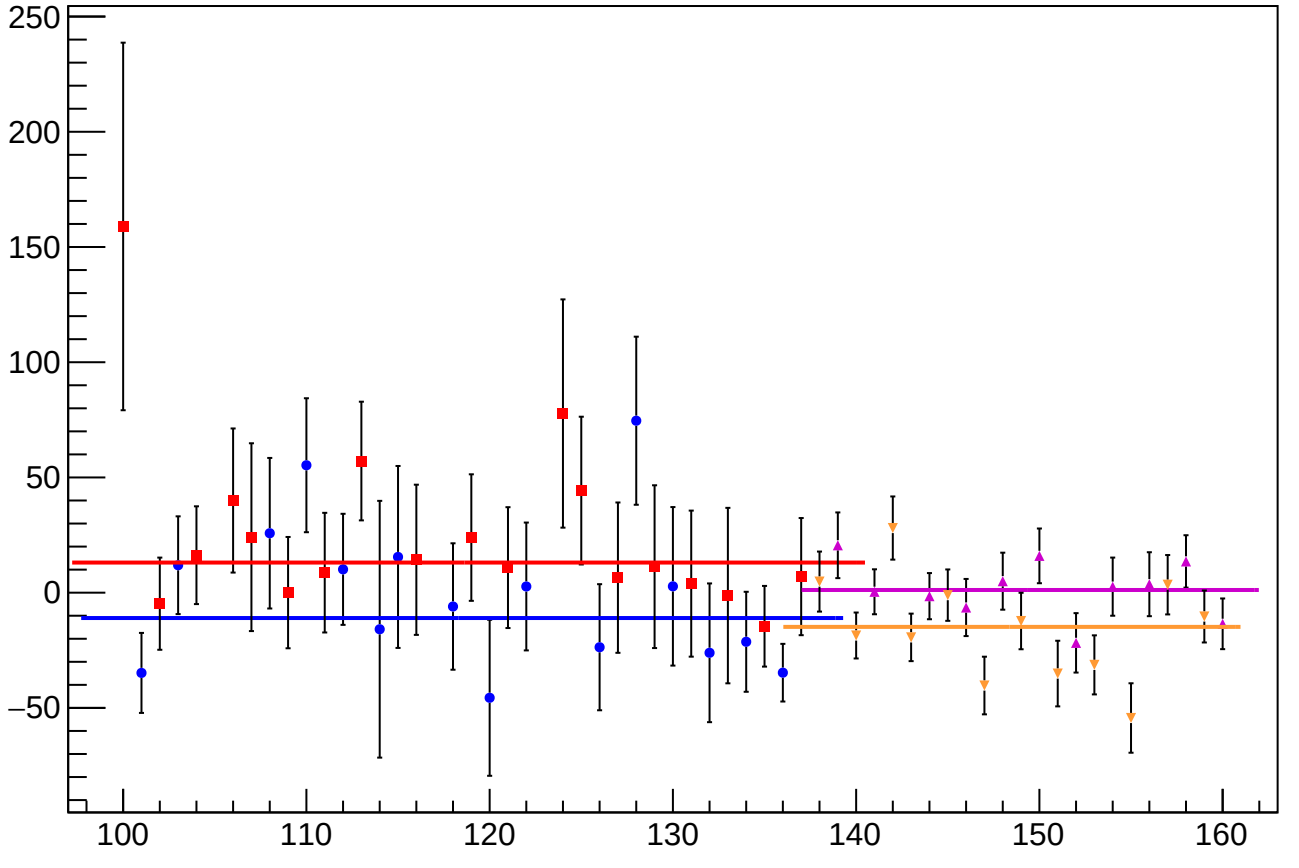
Out: -0.410+/-7.023 χ^2/NDF:37.3/30

All: -0.210+/-5.032 χ^2/NDF: 59.7/57

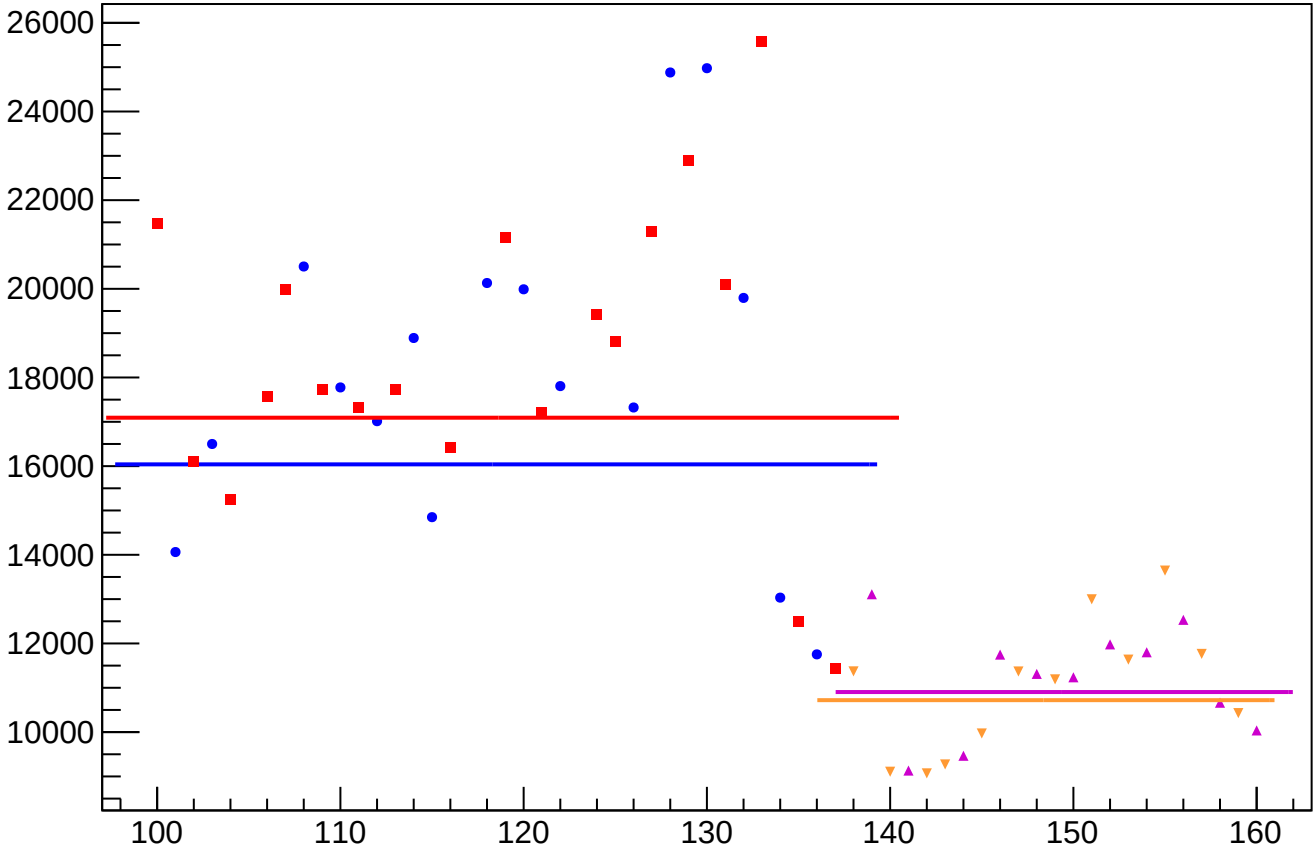

diff_bpmEX_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 28273.727+/-6.613 χ²/NDF:596066.5/11
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 29357.198+/-6.835 χ²/NDF:570953.6/10
Left: 28797.576+/-4.752 χ²/NDF: 1179999.6/22
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29092.176+/-5.101 χ²/NDF:851986.7/26
Out: 28563.195+/-4.966 χ²/NDF:706727.3/30
All: 28820.625+/-3.558 χ²/NDF: 1564235.5/5


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: 5.847+/-7.551 χ²/NDF:5.2/10
Left: 2.907+/-5.249 χ²/NDF: 26.4/22
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -0.377+/-5.696 χ²/NDF:22.3/26
Out: -0.294+/-5.541 χ²/NDF:38.5/30
All: -0.334+/-3.972 χ²/NDF: 60.8/57


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
34000
32000
30000
28000
26000
24000
22000
20000
18000
100
110
120
130
140
150
160
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 22080.726+/-5.164 χ²/NDF:598358.3/11
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 22934.753+/-5.339 χ²/NDF:566401.4/10
Left: 22493.524+/-3.712 χ²/NDF: 1177979.1/22
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 22986.090+/-4.028 χ²/NDF:828060.8/26
Out: 22536.716+/-3.918 χ²/NDF:710625.1/30
All: 22755.191+/-2.809 χ²/NDF: 1545081.3/5


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -14.842+/-3.511 χ²/NDF:30.9/11
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.167+/-3.557 χ²/NDF:10.1/10
Left: -6.941+/-2.499 χ²/NDF: 51.3/22
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -1.879+/-3.080 χ²/NDF:35.1/26
Out: -8.356+/-3.076 χ²/NDF:59.4/30
All: -5.121+/-2.176 χ²/NDF: 96.7/57

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: 10903.931+/-2.515 χ^2/NDF:233013.8/10

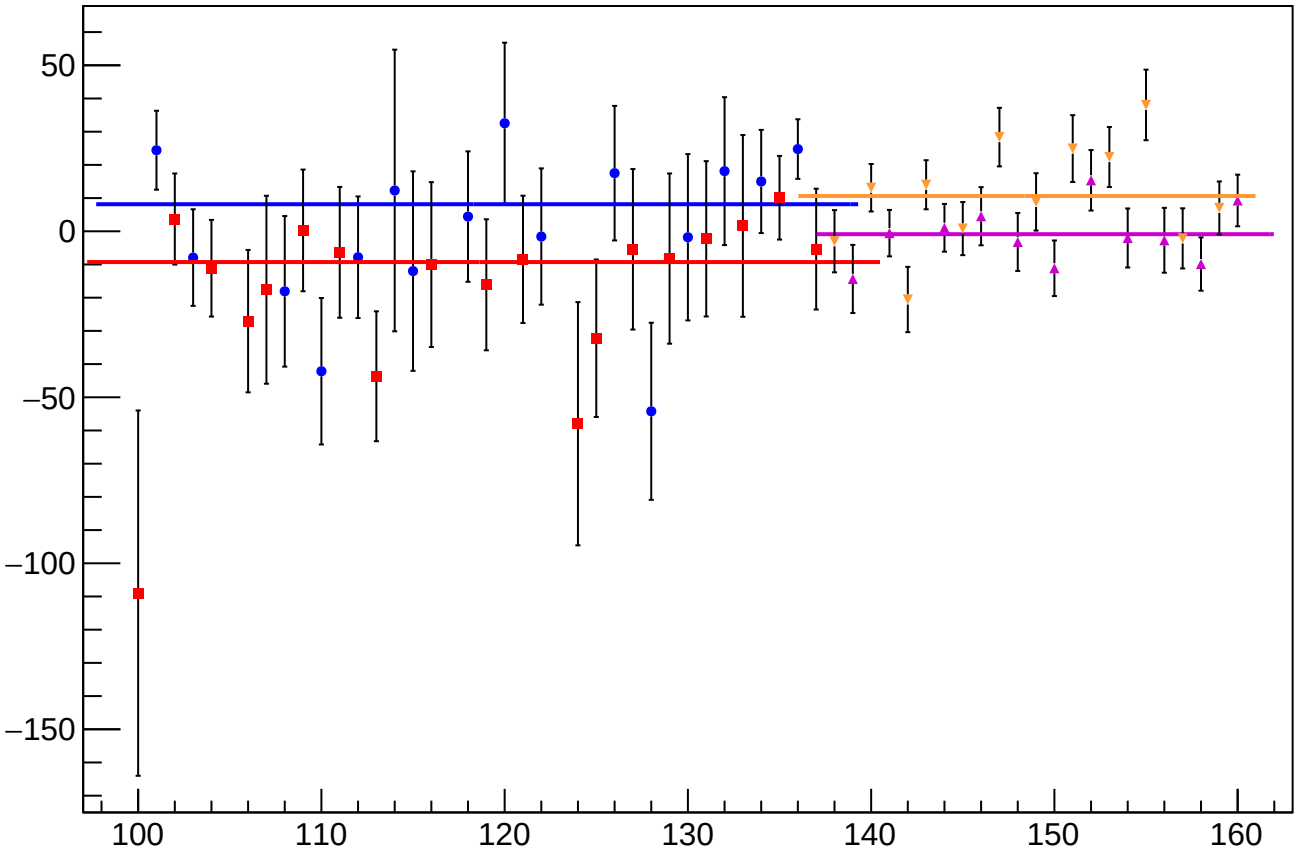
Left: 10811.179+/-1.767 χ^2/NDF: 530087.5/22

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12189.761+/-2.178 χ^2/NDF:1999733.1/26

Out: 12201.476+/-2.175 χ^2/NDF:2360272.4/30

All: 12195.624+/-1.539 χ^2/NDF: 4360020.0/5



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: -0.876+/-2.524 χ^2/NDF:9.9/10

Left: 4.935+/-1.775 χ^2/NDF: 51.1/22

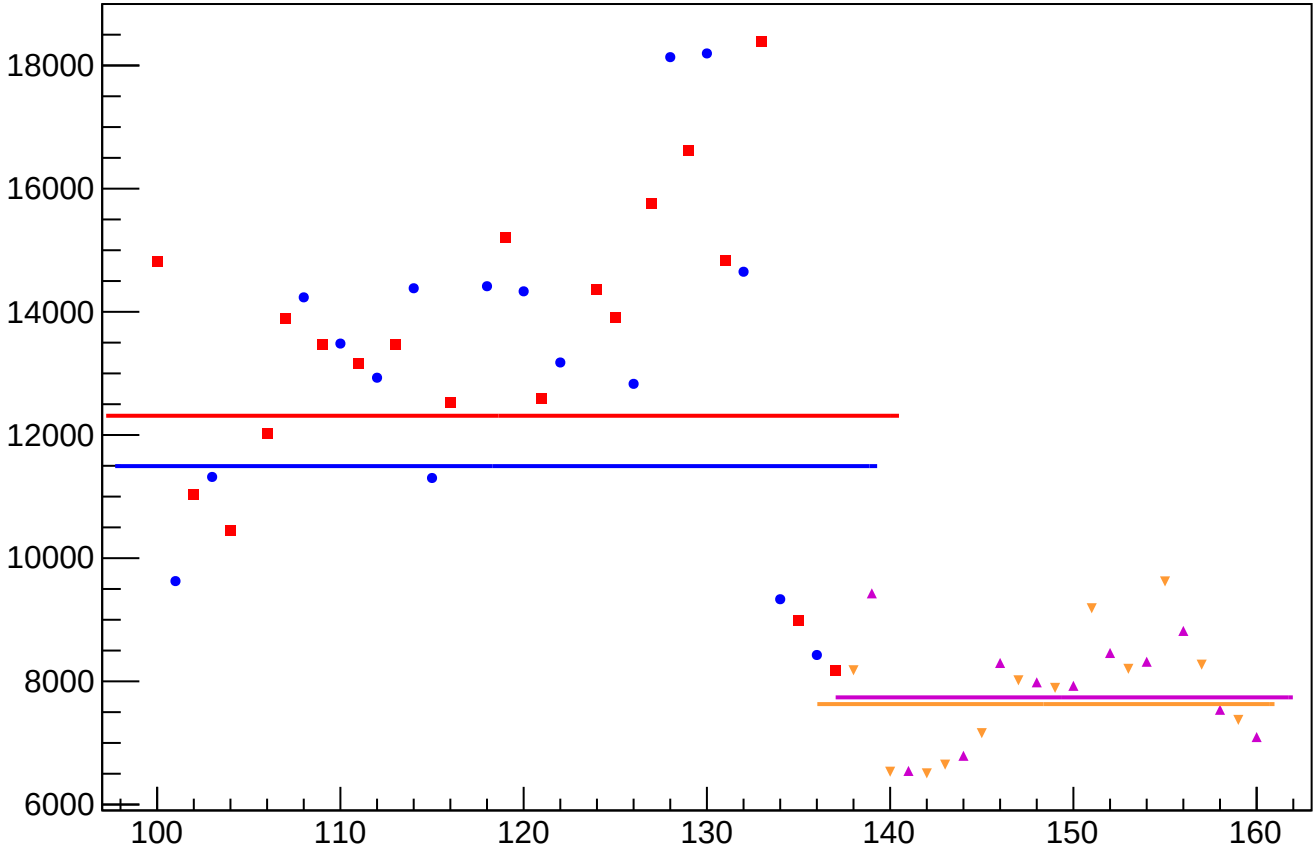
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.341+/-2.192 χ^2/NDF:34.9/26

Out: 6.107+/-2.195 χ^2/NDF:58.9/30

All: 3.720+/-1.551 χ^2/NDF: 96.2/57

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: 7739.931+/-1.785 χ^2/NDF:218610.2/10

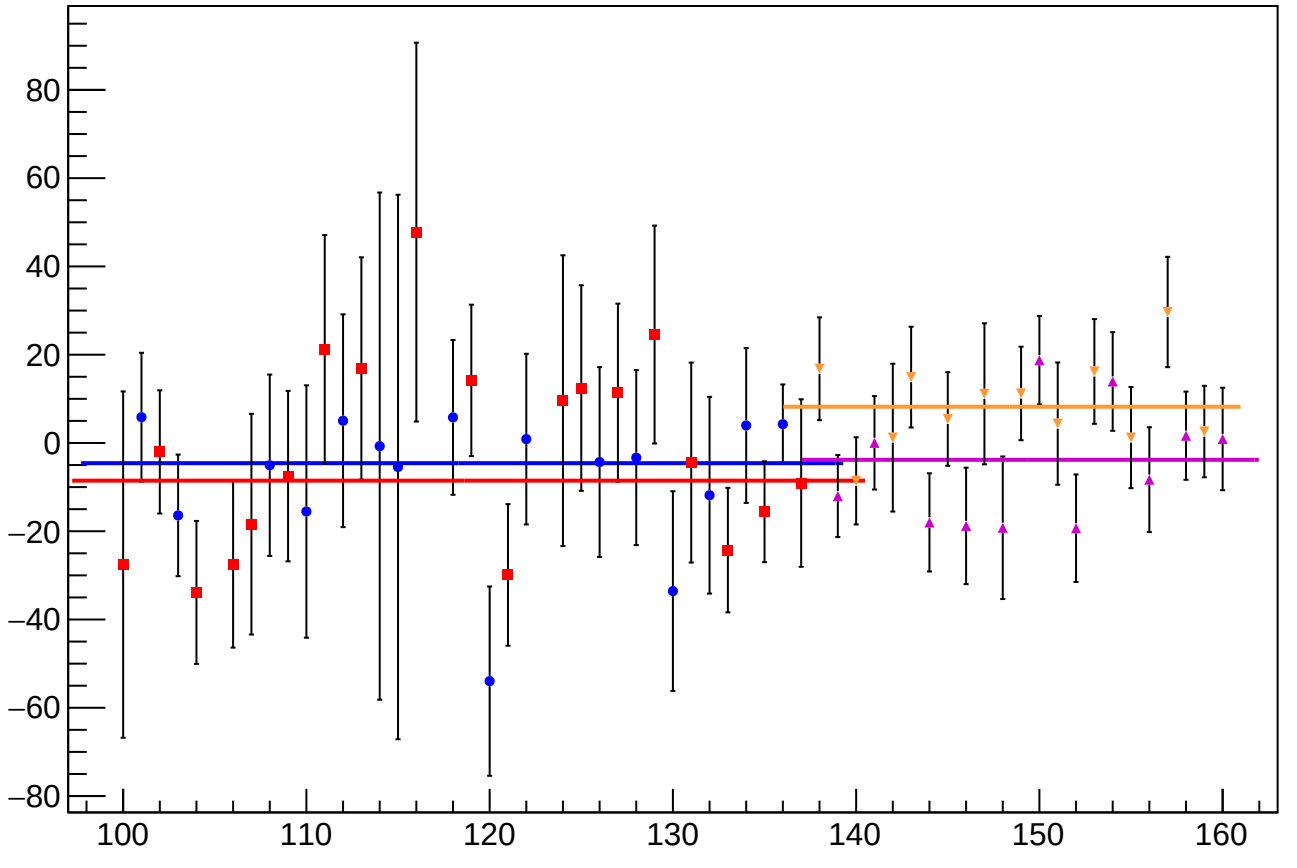
Left: 7684.777+/-1.255 χ^2/NDF: 486880.6/22

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8662.325+/-1.550 χ^2/NDF:2096117.4/26

Out: 8693.946+/-1.552 χ^2/NDF:2461419.8/30

All: 8678.111+/-1.097 χ^2/NDF: 4557745.0/57



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: -3.813+/-3.383 χ^2/NDF:14.6/10

Left: 2.159+/-2.400 χ^2/NDF: 29.1/22

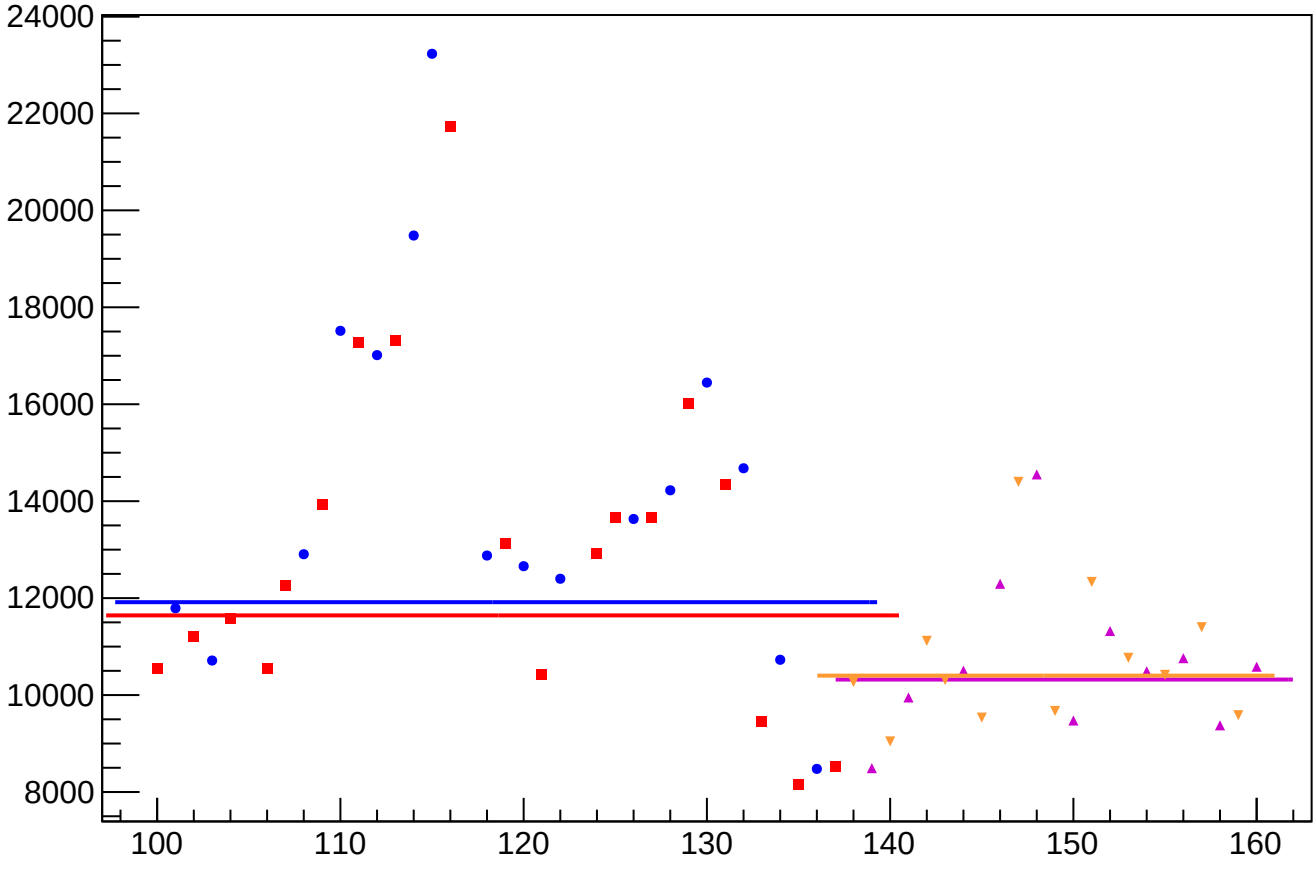
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.085+/-2.716 χ^2/NDF:24.8/26

Out: 1.923+/-2.692 χ^2/NDF:34.5/30

All: -1.054+/-1.912 χ^2/NDF: 61.8/57

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: 10320.111+/-2.392 χ^2/NDF:312318.5/10

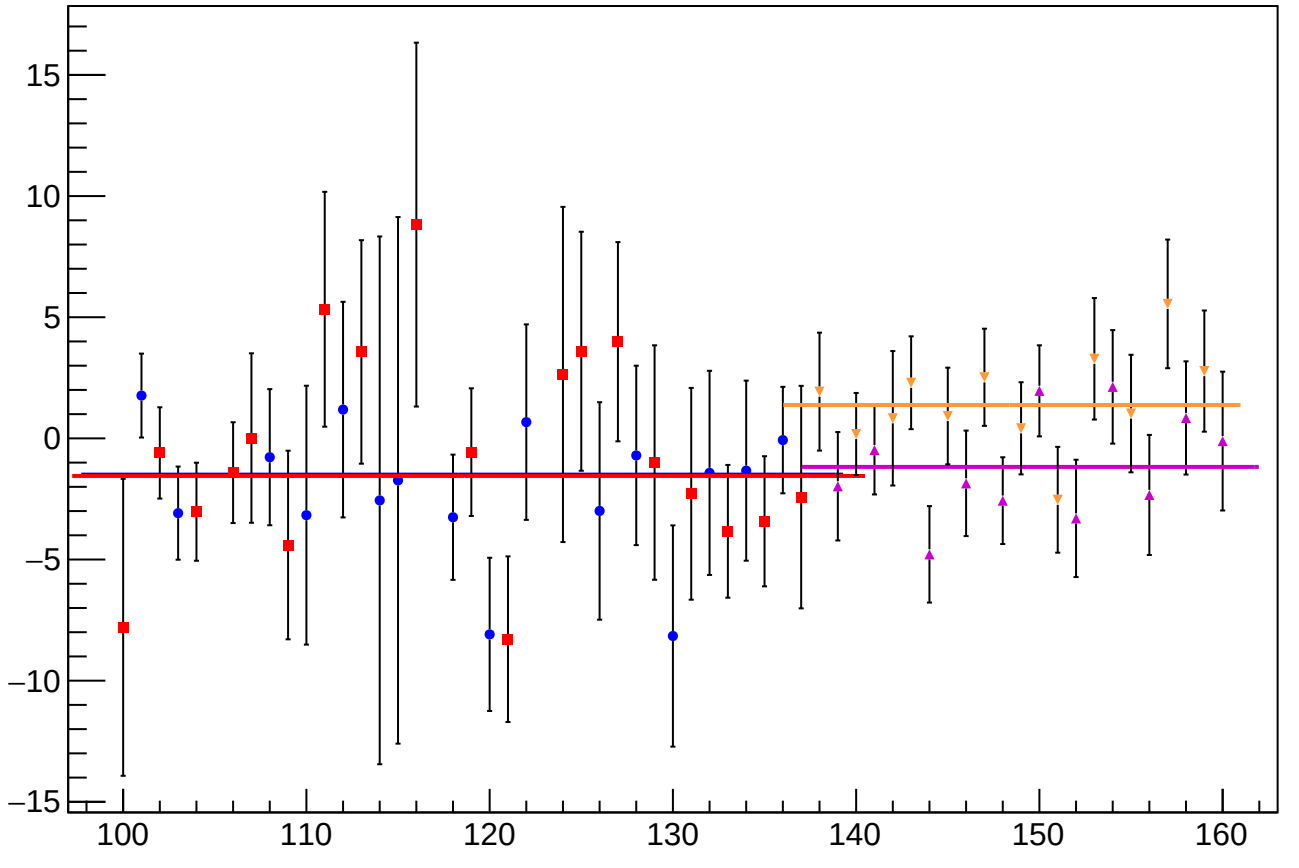
Left: 10360.426+/-1.697 χ^2/NDF: 568661.8/22

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10887.773+/-1.920 χ^2/NDF:1220426.8/26

Out: 10867.789+/-1.903 χ^2/NDF:1146051.8/30

All: 10877.691+/-1.352 χ^2/NDF: 2366533.3/5



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: -1.178+/-0.649 χ^2/NDF:10.9/10

Left: 0.141+/-0.451 χ^2/NDF: 27.0/22

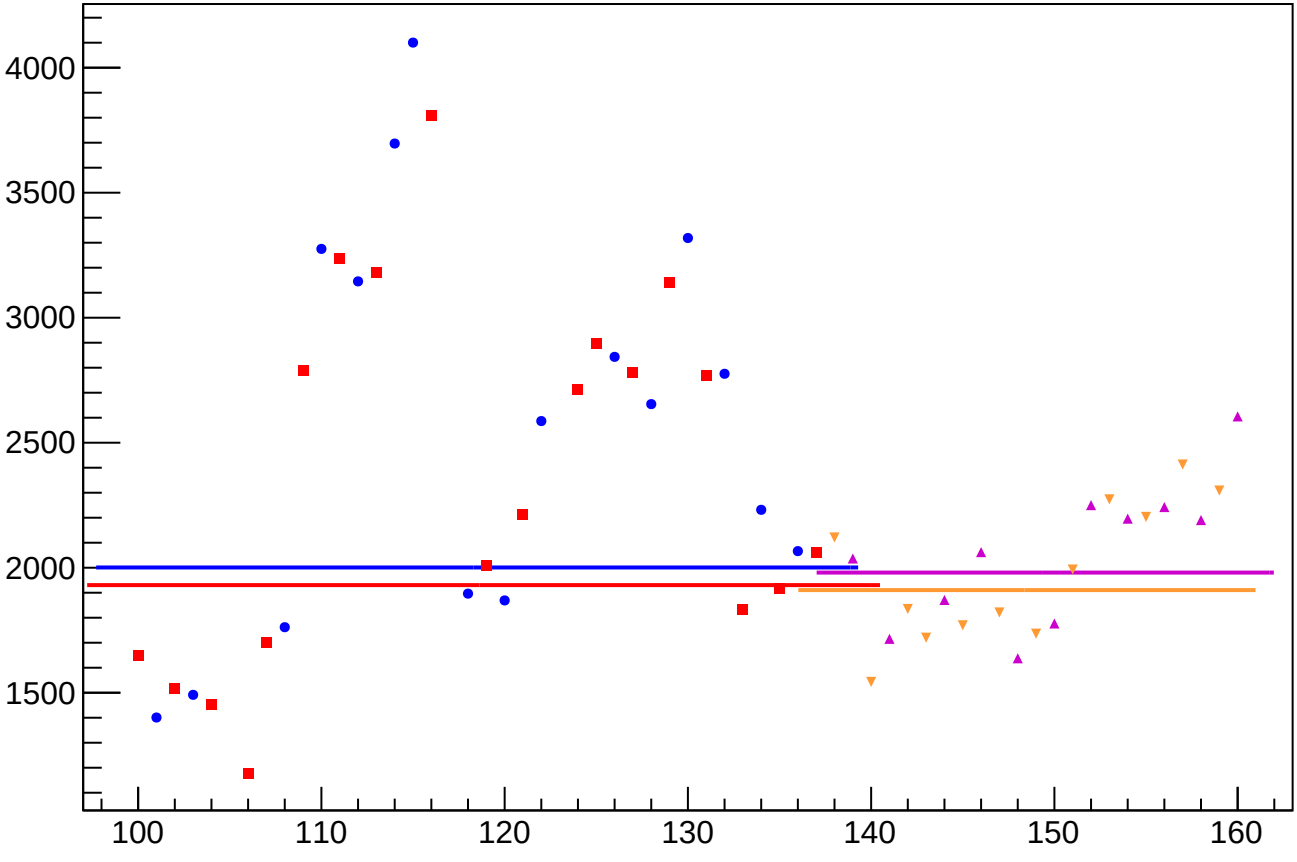
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.308+/-0.498 χ^2/NDF:23.6/26

Out: 0.160+/-0.480 χ^2/NDF:33.4/30

All: -0.547+/-0.346 χ^2/NDF: 61.5/57

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: 1980.598+/-0.459 χ^2/NDF:324137.2/10

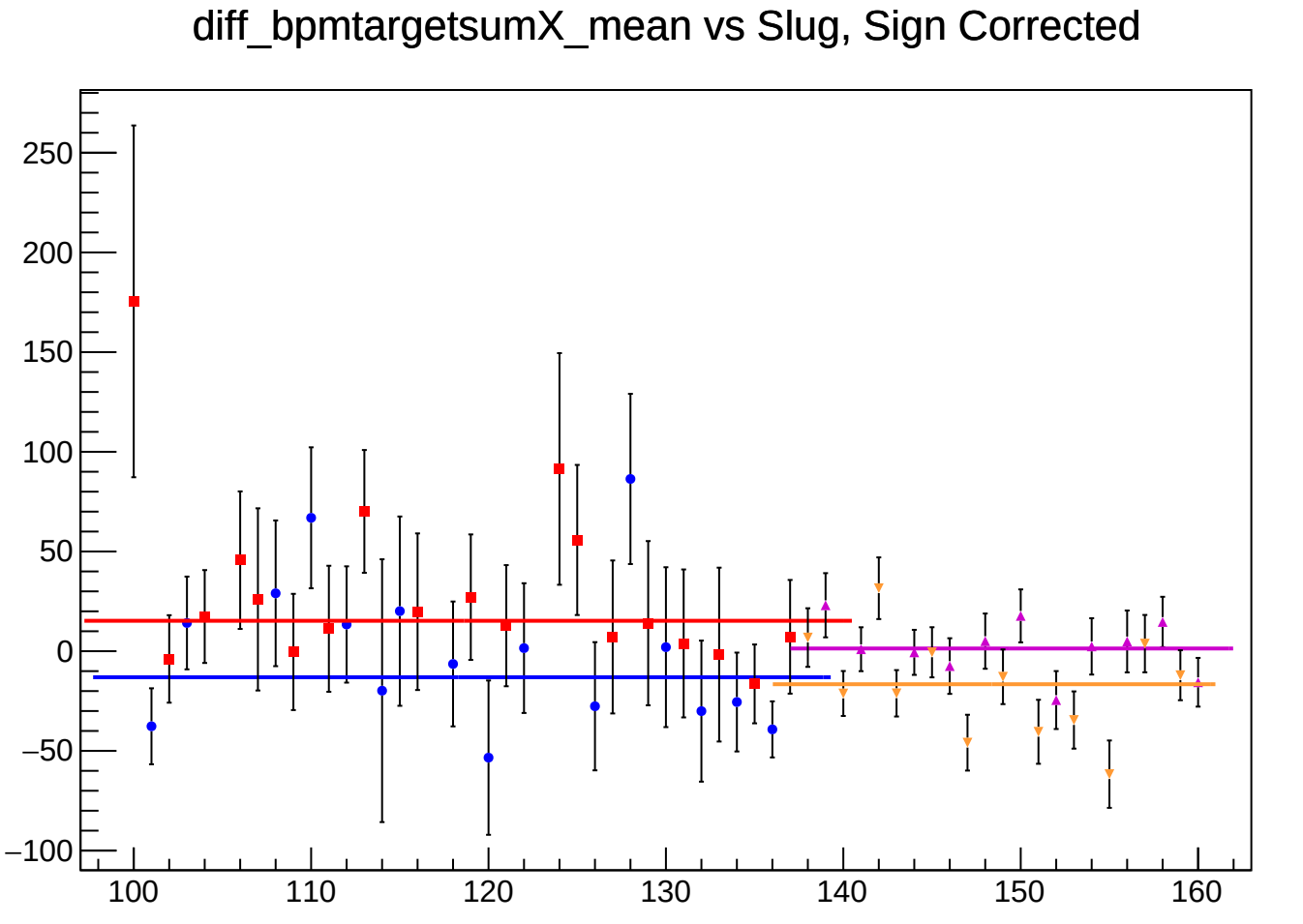
Left: 1944.417+/-0.319 χ^2/NDF: 693163.1/22

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

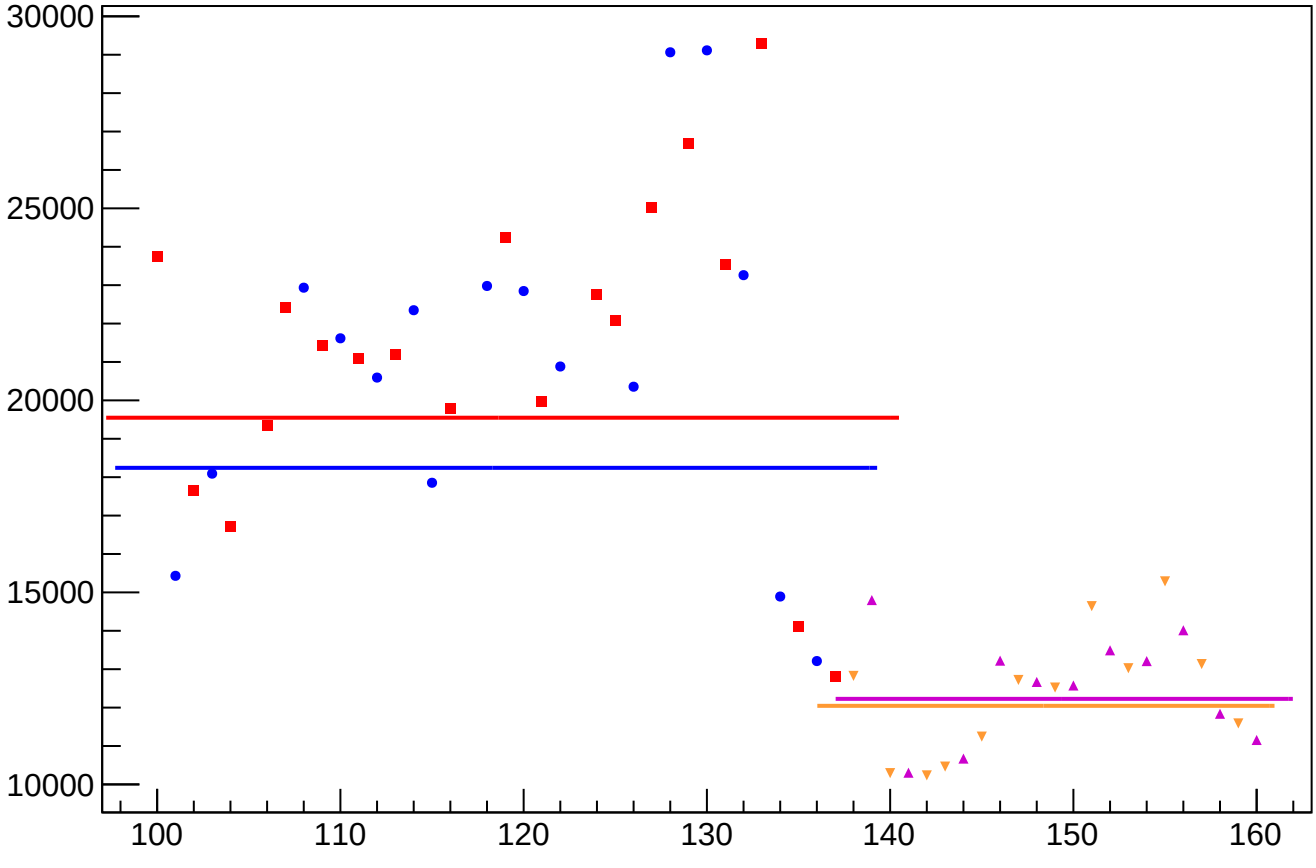
In: 1988.962+/-0.352 χ^2/NDF:1514732.4/26

Out: 1918.796+/-0.339 χ^2/NDF:1761363.4/30

All: 1952.567+/-0.244 χ^2/NDF: 3296666.2/57


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -16.567+/-3.944 χ²/NDF:31.7/11
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 1.352+/-3.989 χ²/NDF:10.1/10
Left: -7.708+/-2.805 χ²/NDF: 52.0/22
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -2.162+/-3.469 χ²/NDF:35.1/26
Out: -9.409+/-3.472 χ²/NDF:60.7/30
All: -5.782+/-2.454 χ²/NDF: 98.0/57

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: 12227.649+/-2.820 χ^2/NDF:232216.1/10

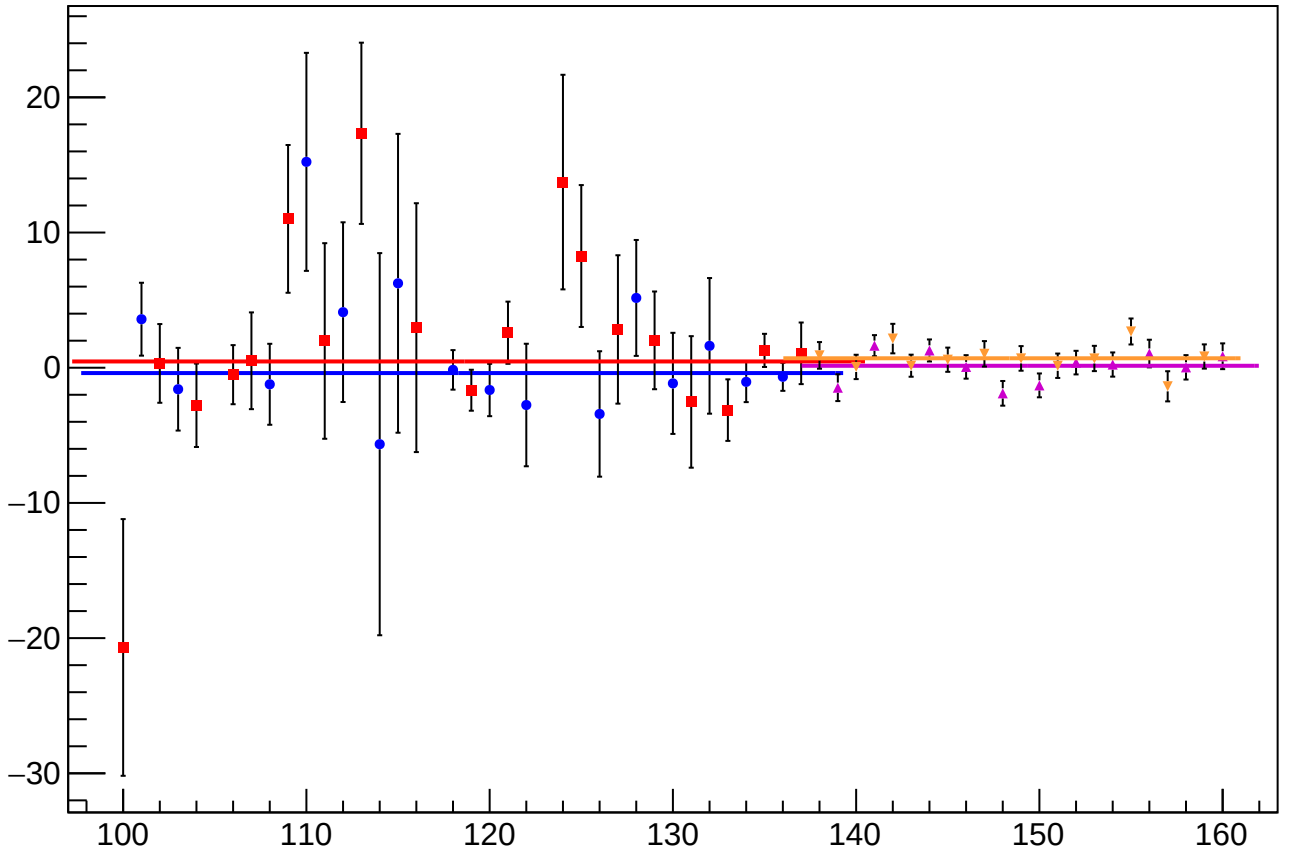
Left: 12135.866+/-1.983 χ^2/NDF: 517393.9/22

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13693.795+/-2.453 χ^2/NDF:2160760.1/26

Out: 13733.929+/-2.455 χ^2/NDF:2532724.4/30

All: 13713.842+/-1.735 χ^2/NDF: 4693618.2/5



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: 0.144+/-0.269 χ^2/NDF:17.4/10

Left: 0.421+/-0.191 χ^2/NDF: 30.5/22

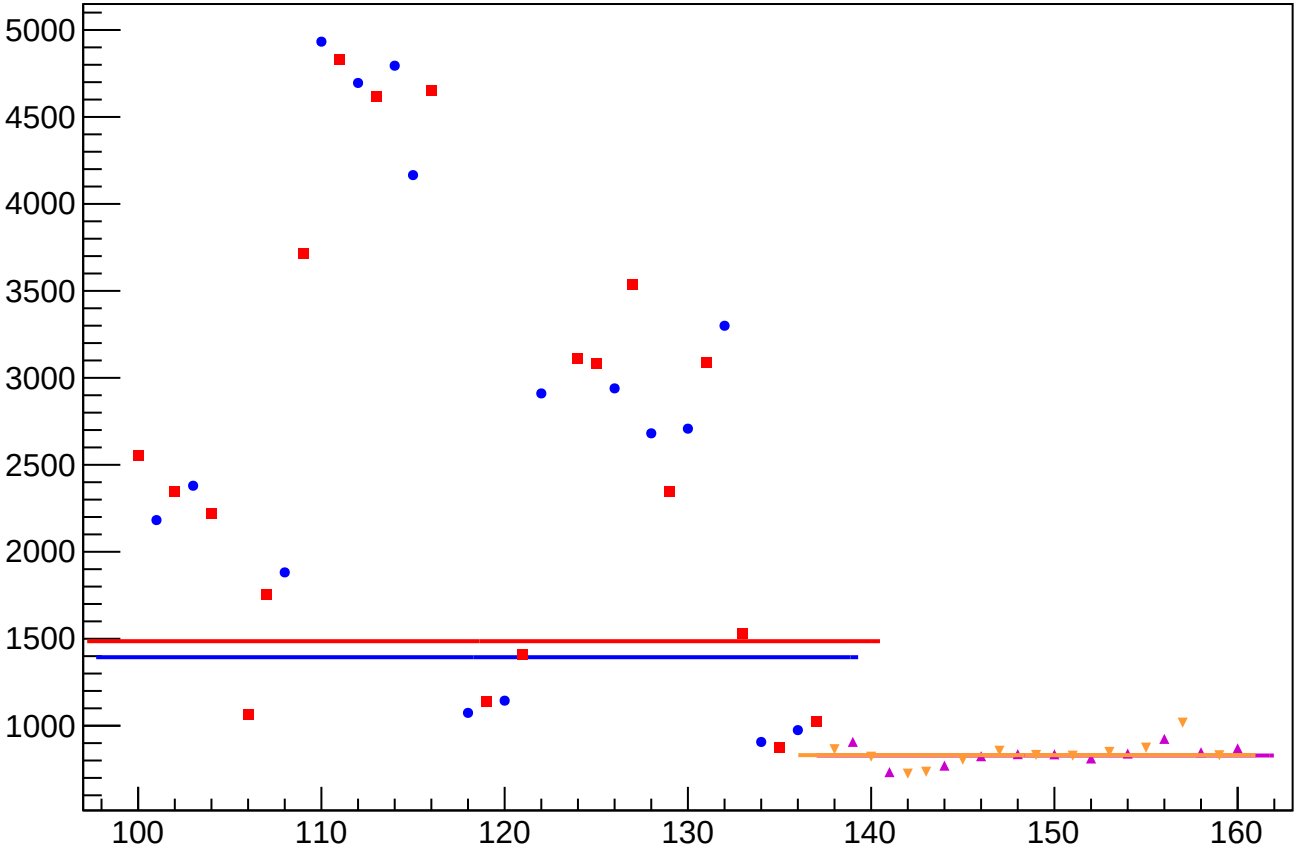
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.054+/-0.245 χ^2/NDF:28.4/26

Out: 0.663+/-0.249 χ^2/NDF:39.2/30

All: 0.355+/-0.175 χ^2/NDF: 70.7/57

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: 828.805+/-0.190 χ^2/NDF:76191.3/10

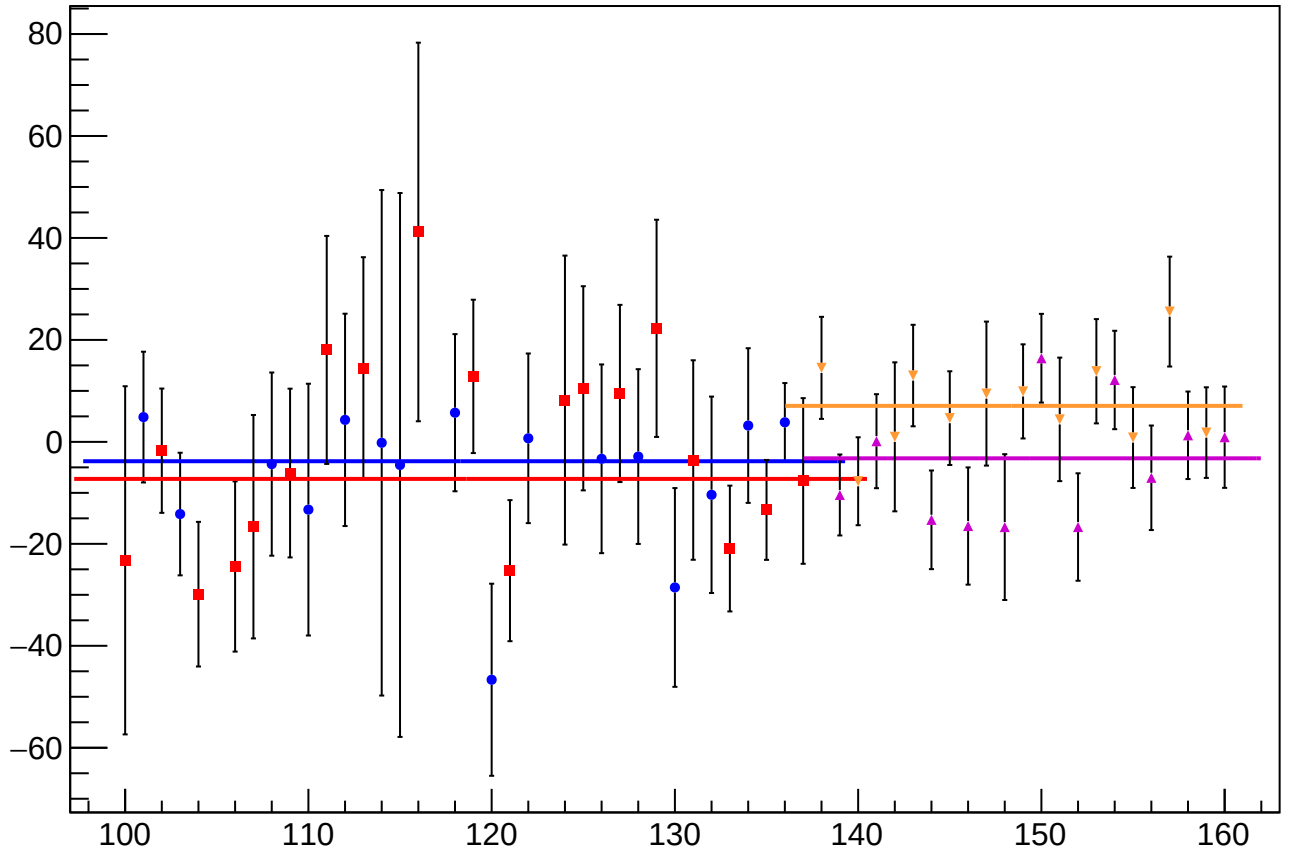
Left: 829.852+/-0.135 χ^2/NDF: 189251.4/22

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 923.326+/-0.174 χ^2/NDF:4933939.8/26

Out: 931.677+/-0.176 χ^2/NDF:5319185.1/30

All: 927.448+/-0.124 χ^2/NDF: 10254267.5/57



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: -3.227+/-2.925 χ^2/NDF:14.6/10

Left: 1.869+/-2.078 χ^2/NDF: 29.1/22

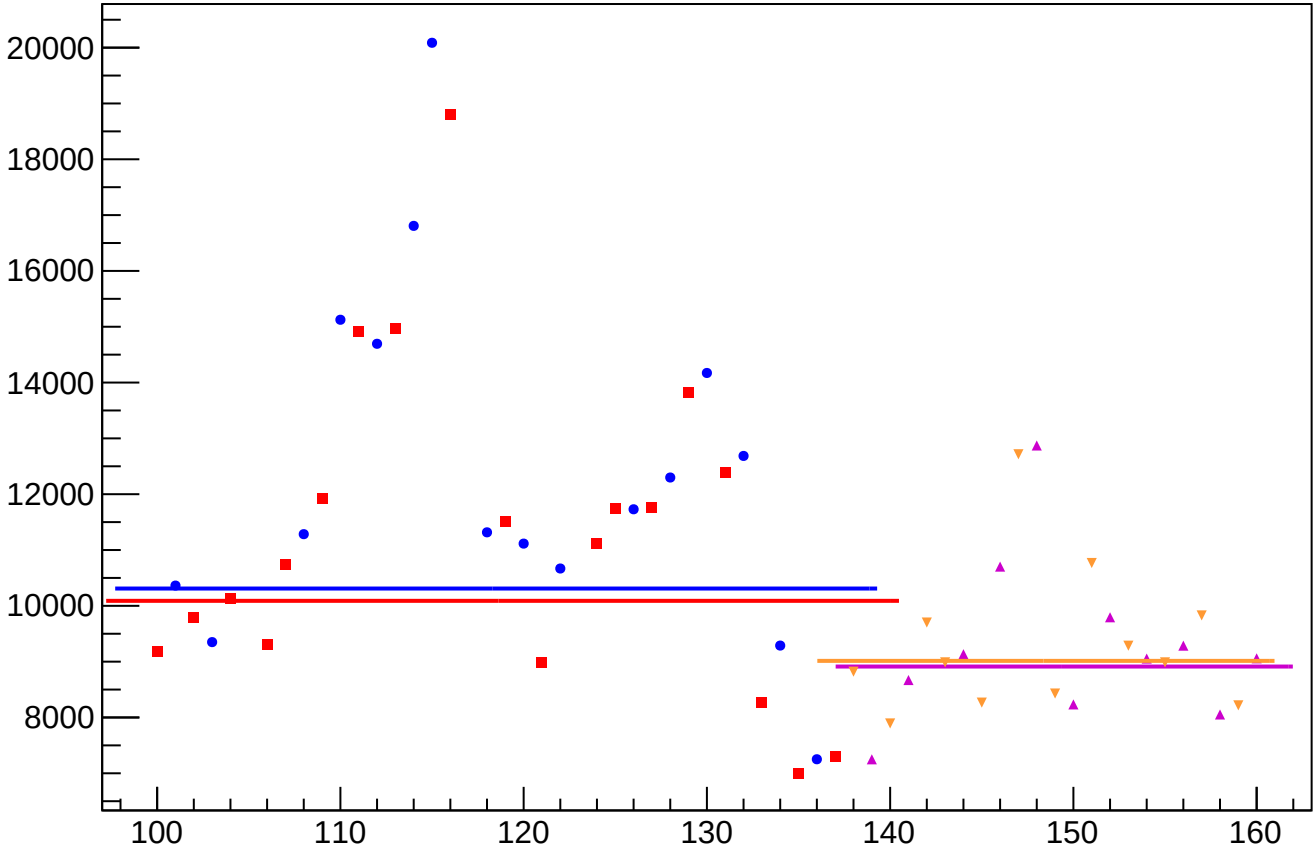
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.428+/-2.349 χ^2/NDF:24.7/26

Out: 1.681+/-2.333 χ^2/NDF:34.5/30

All: -0.856+/-1.655 χ^2/NDF: 61.5/57

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9013.992+/-2.088 χ^2/NDF:268421.5/11

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8912.383+/-2.068 χ^2/NDF:341692.1/10

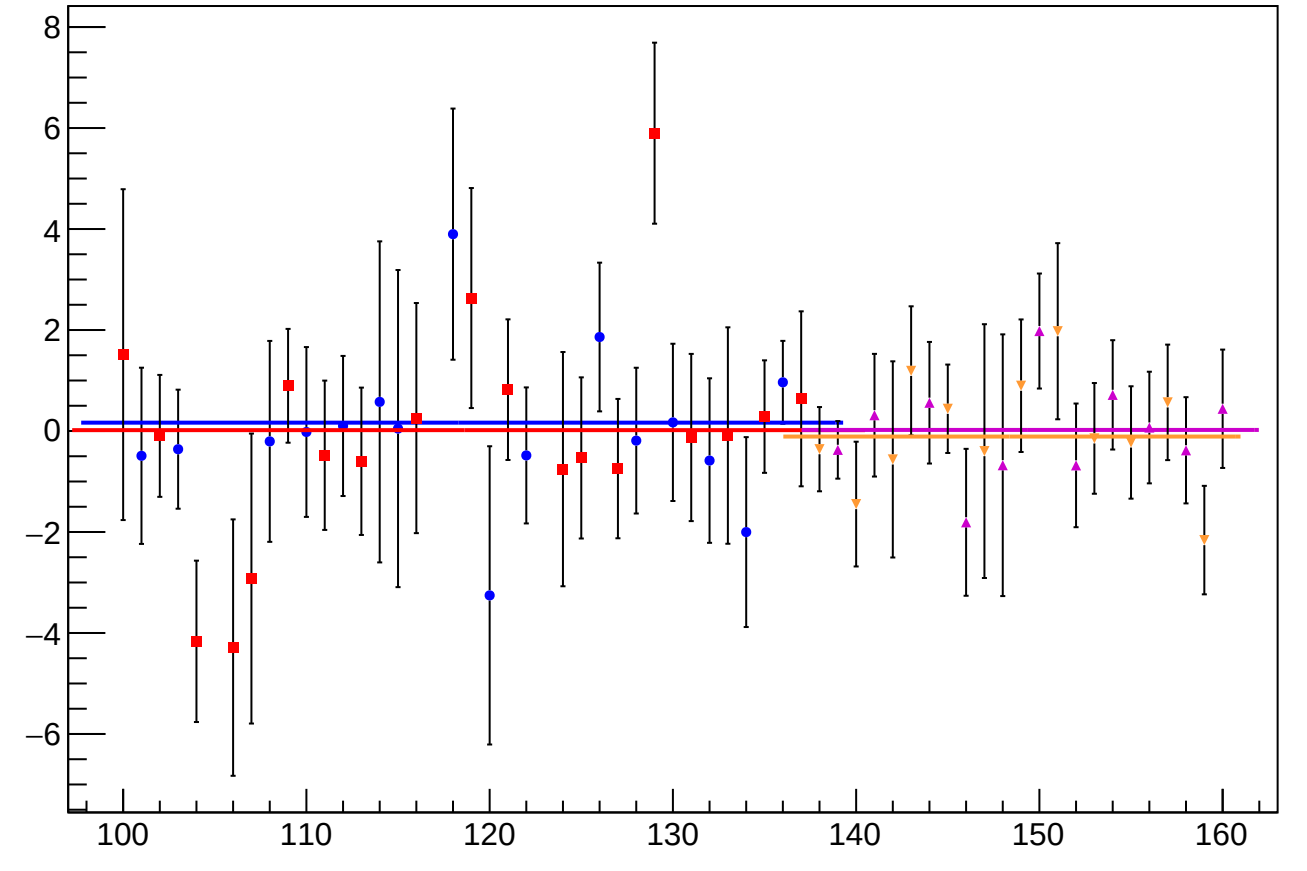
Left: 8962.692+/-1.469 χ^2/NDF: 611309.0/22

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9408.356+/-1.661 χ^2/NDF:1274299.5/26

Out: 9418.081+/-1.650 χ^2/NDF:1160881.3/30

All: 9413.251+/-1.171 χ^2/NDF: 2435198.1/57



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: 0.021+/-0.319 χ^2/NDF:6.4/10

Left: -0.040+/-0.233 χ^2/NDF: 15.2/22

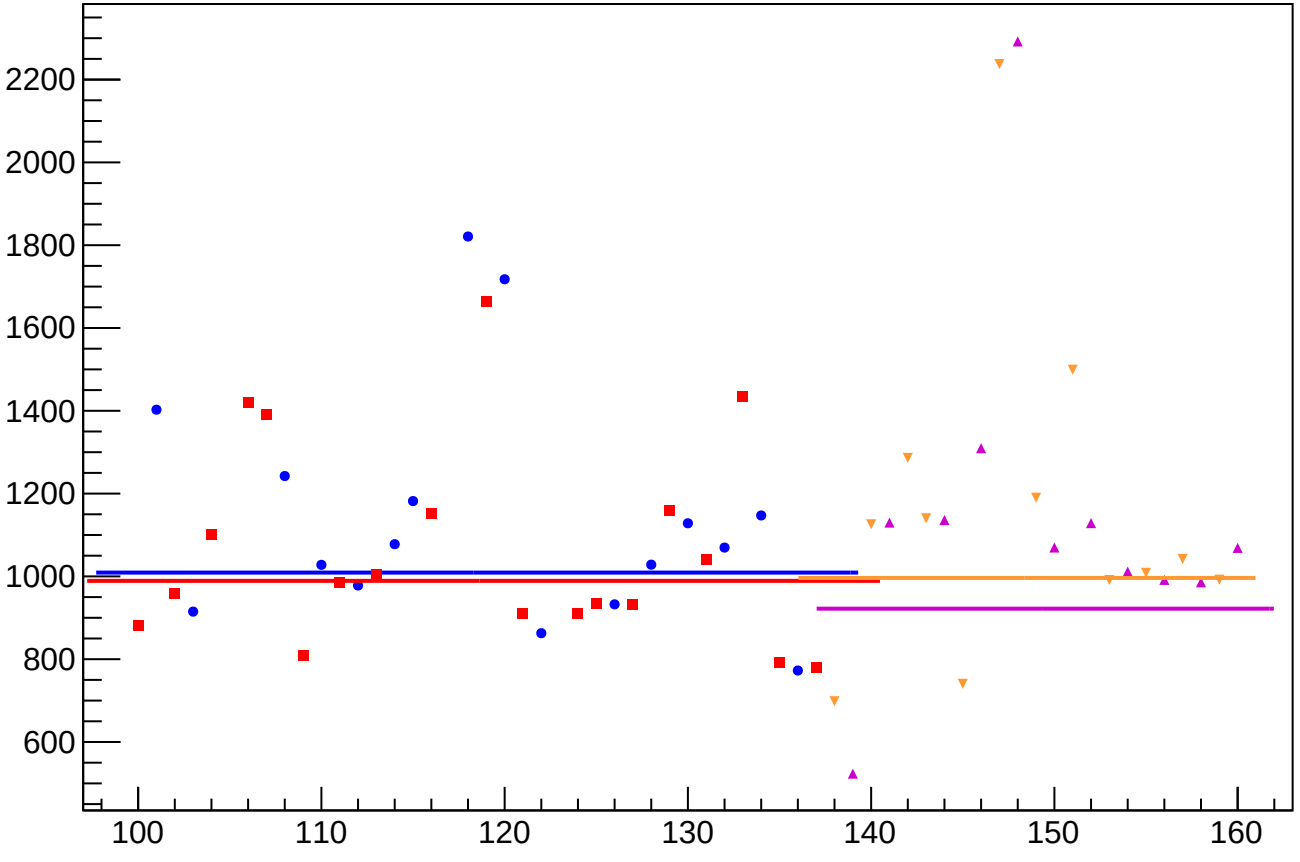
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.080+/-0.246 χ^2/NDF:14.6/26

Out: -0.052+/-0.251 χ^2/NDF:34.0/30

All: 0.015+/-0.176 χ^2/NDF: 48.7/57

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



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: 922.053+/-0.226 χ^2/NDF:1950114.5/10

Left: 956.736+/-0.165 χ^2/NDF: 3219666.3/22

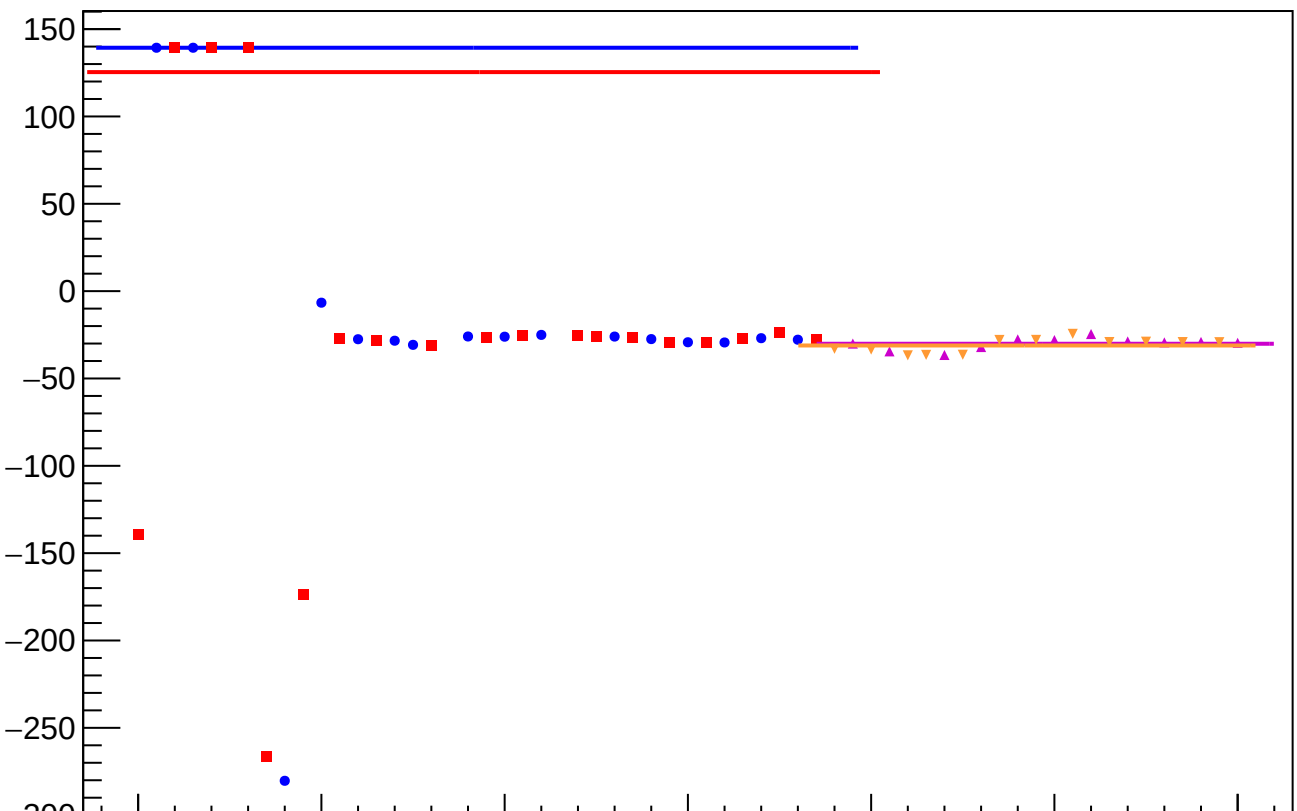
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 957.441+/-0.174 χ^2/NDF:2709908.6/26

Out: 993.042+/-0.178 χ^2/NDF:1795249.8/30

All: 974.869+/-0.124 χ^2/NDF: 4525640.6/57

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: -30.124+/-0.000 χ^2/NDF:52392457.7/10

Left: -30.631+/-0.000 χ^2/NDF: 131280872.3/22

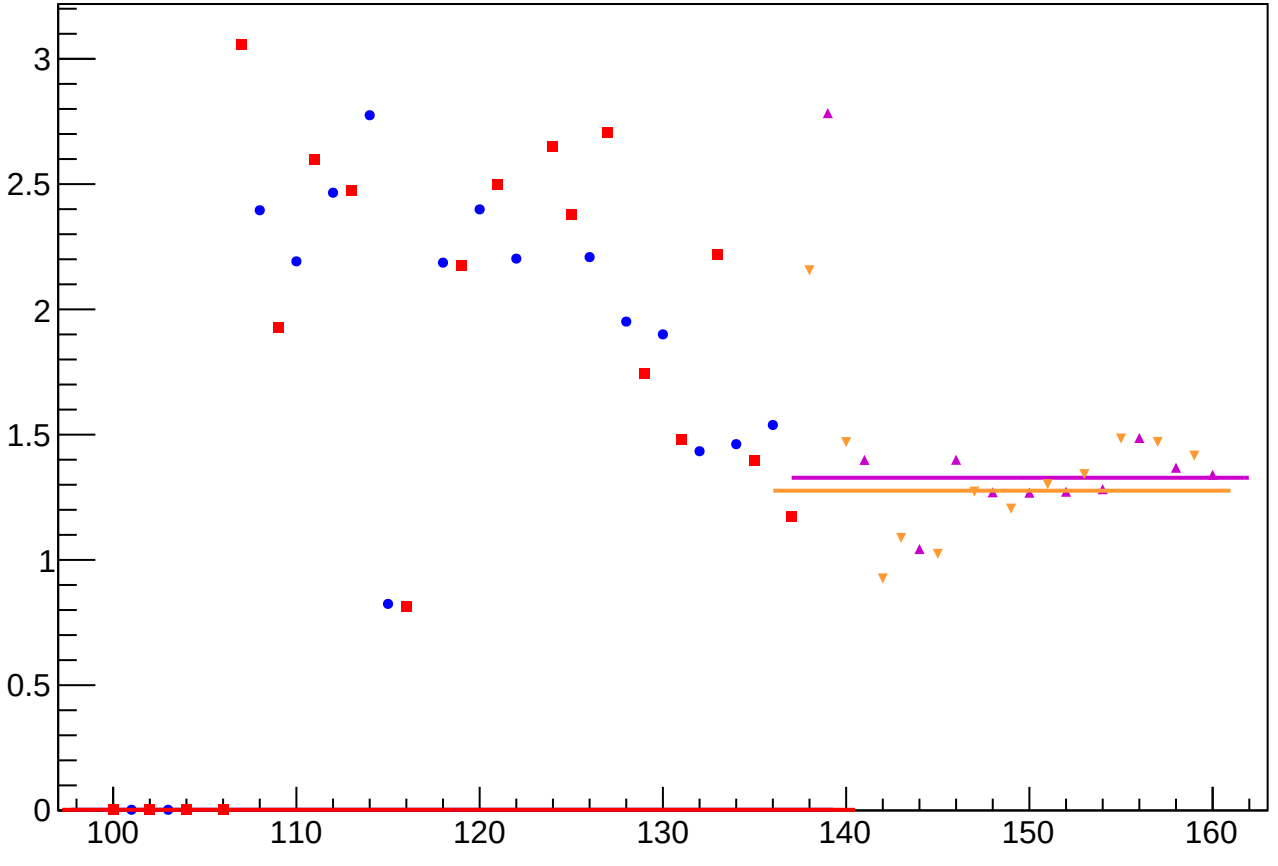
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.333+/-0.000 χ^2/NDF:170517255245.8/26

Out: 125.388+/-0.000 χ^2/NDF:774284321171419.

All: 131.815+/-0.000 χ^2/NDF: 79323823859

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: 1.328+/-0.000 χ^2/NDF:583996.7/10

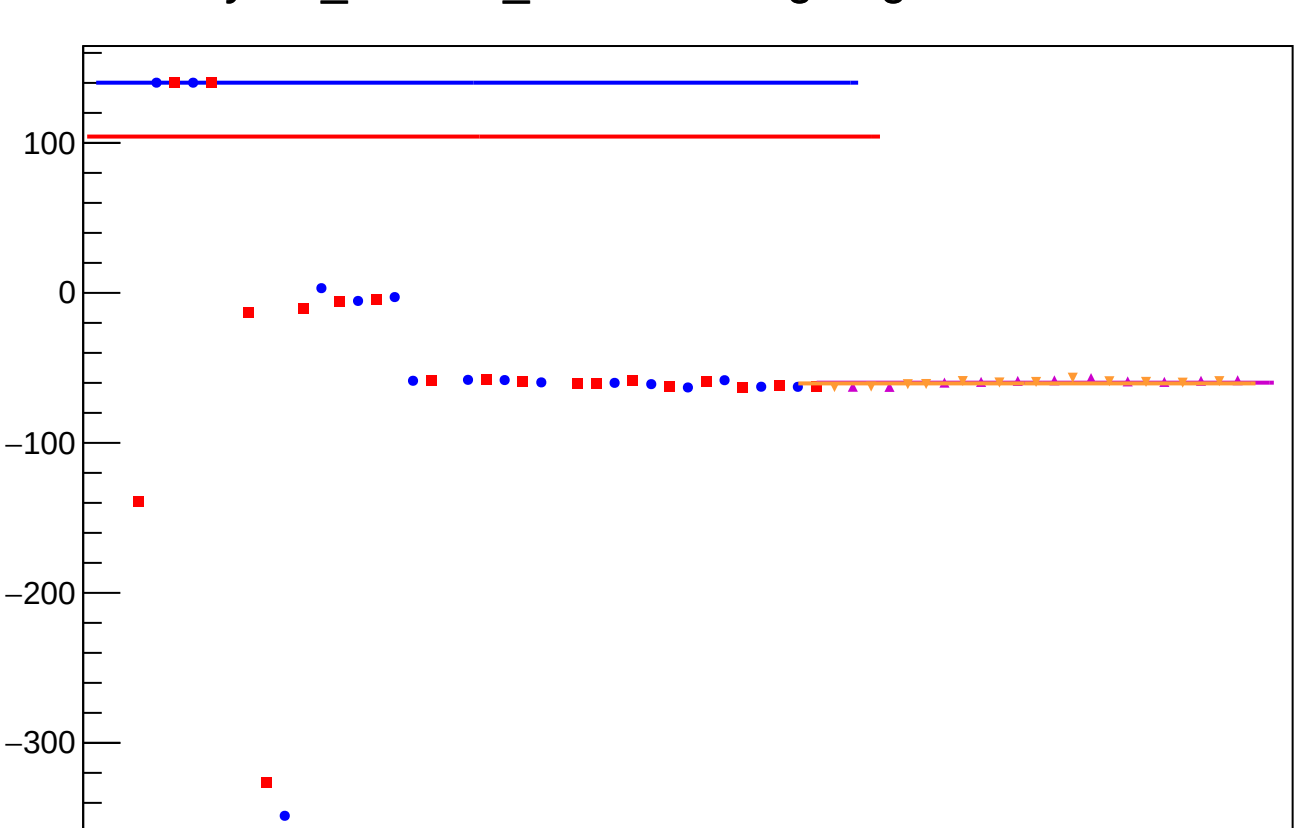
Left: 1.301+/-0.000 χ^2/NDF: 1100279.8/22

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:25241546.2/26

Out: 0.003+/-0.000 χ^2/NDF:24957812.7/30

All: 0.003+/-0.000 χ^2/NDF: 50199596.0/57



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: -59.857+/-0.000 χ^2/NDF:50125453.2/10

Left: -60.095+/-0.000 χ^2/NDF: 90018130.2/22

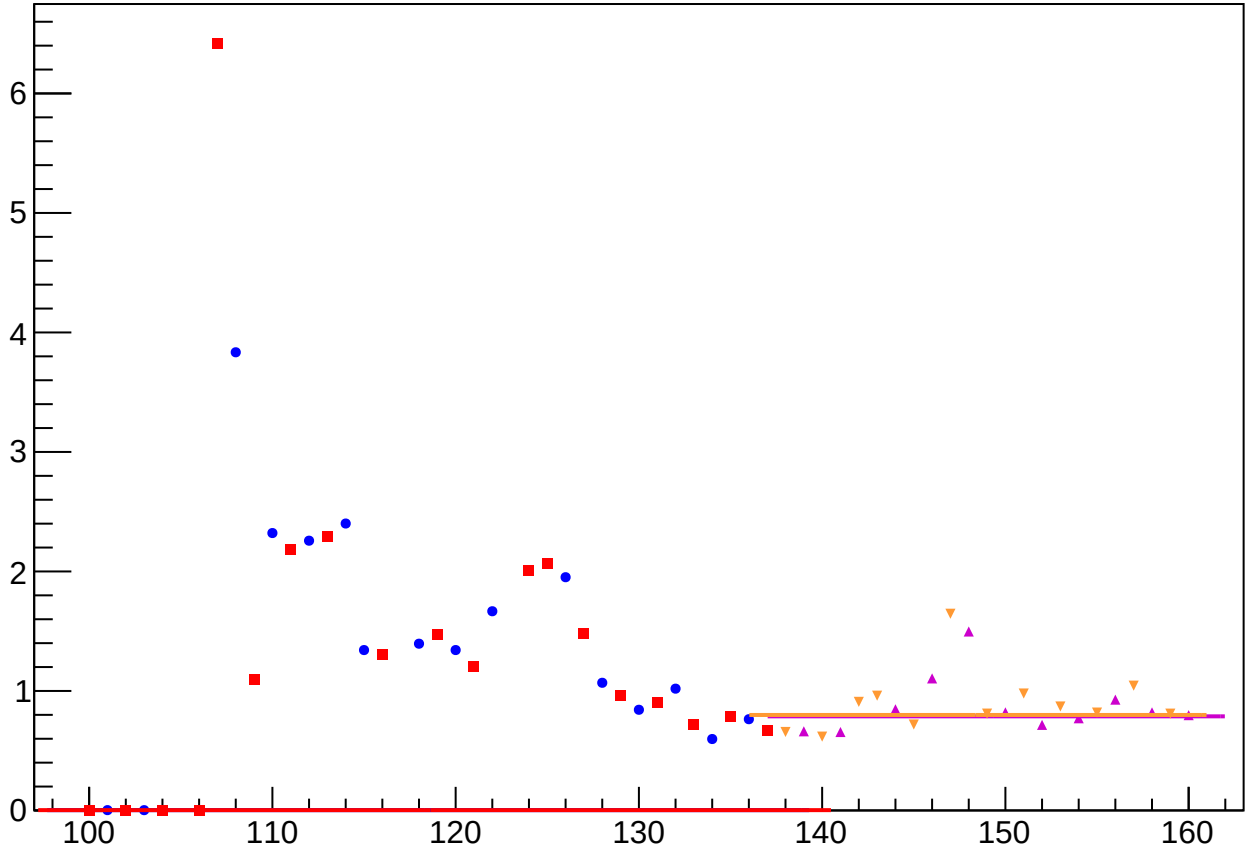
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.131+/-0.000 χ^2/NDF:648301958707.9/26

Out: 104.216+/-0.000 χ^2/NDF:125769961862326

All: 120.821+/-0.000 χ^2/NDF: 13816327063

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: 0.788+/-0.000 χ^2/NDF:599795.7/10

Left: 0.793+/-0.000 χ^2/NDF: 1365406.7/22

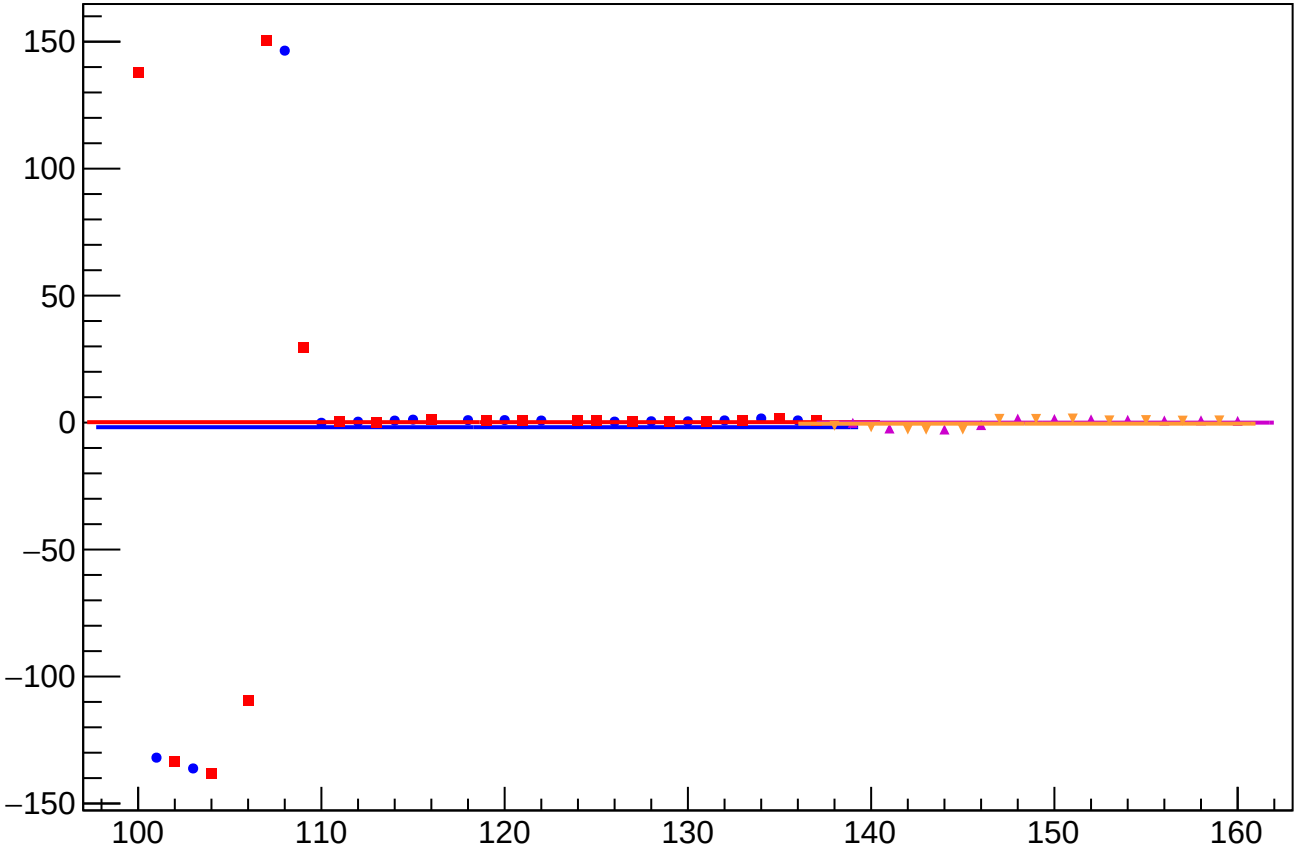
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:25370876.9/26

Out: 0.003+/-0.000 χ^2/NDF:24974367.6/30

All: 0.003+/-0.000 χ^2/NDF: 50345572.1/57

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: -0.016+/-0.000 χ^2/NDF:60611352.6/10

Left: -0.225+/-0.000 χ^2/NDF: 145484876.3/22

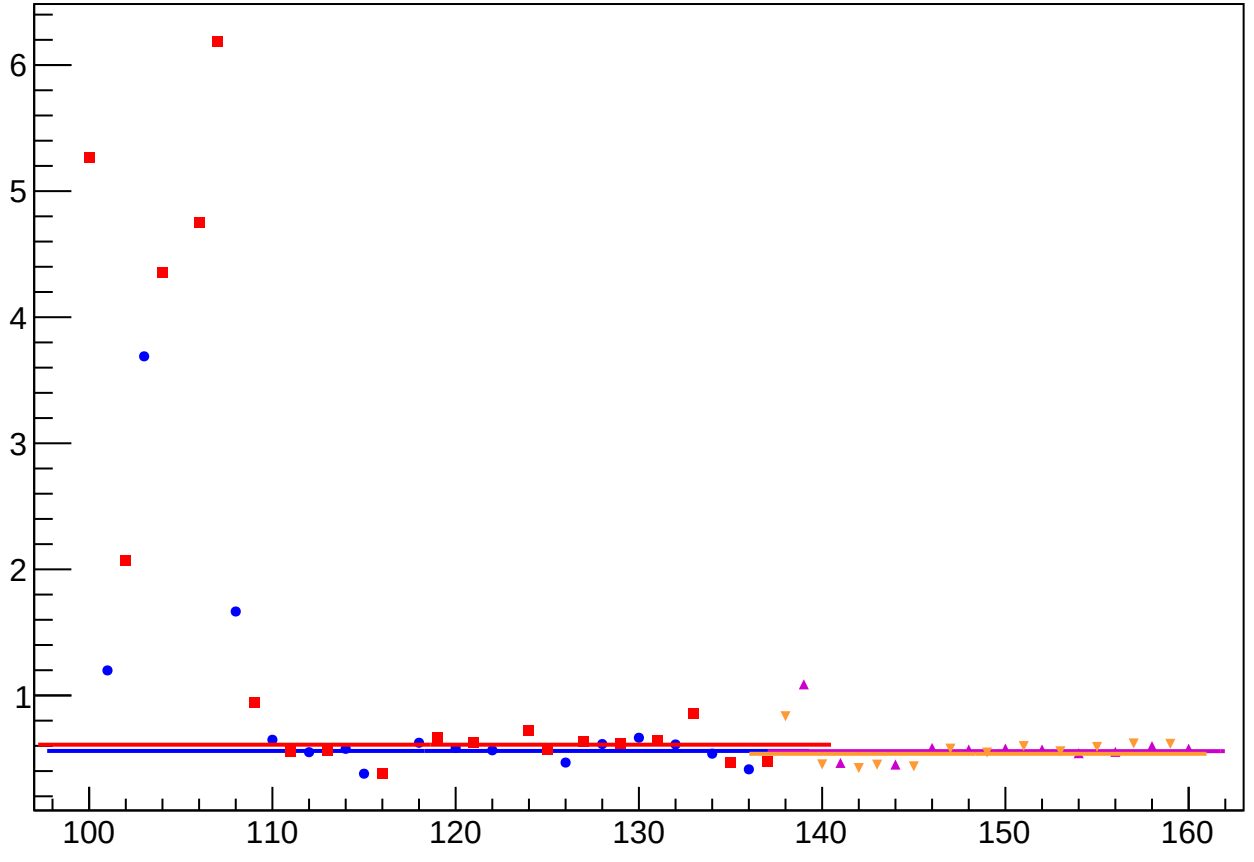
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.736+/-0.000 χ^2/NDF:9979231285.3/26

Out: -0.221+/-0.000 χ^2/NDF:3697093607.4/30

All: -0.484+/-0.000 χ^2/NDF: 13681572442.4/

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: 0.558+/-0.000 χ^2/NDF:536828.5/10

Left: 0.547+/-0.000 χ^2/NDF: 983067.7/22

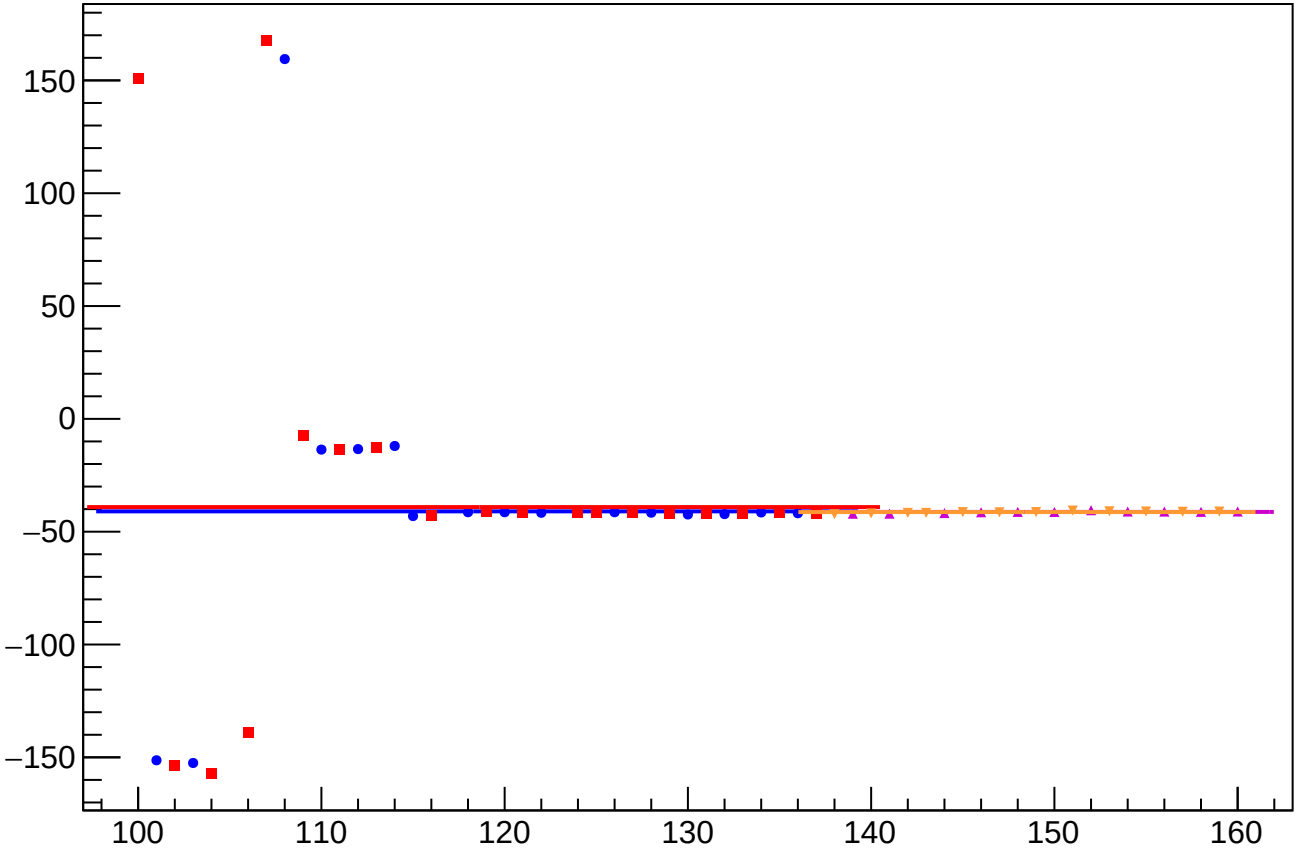
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.559+/-0.000 χ^2/NDF:2135326.5/26

Out: 0.562+/-0.000 χ^2/NDF:3002974.7/30

All: 0.560+/-0.000 χ^2/NDF: 5138699.5/57

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: -41.236+/-0.000 χ^2/NDF:12285997.2/10

Left: -41.267+/-0.000 χ^2/NDF: 22070605.4/22

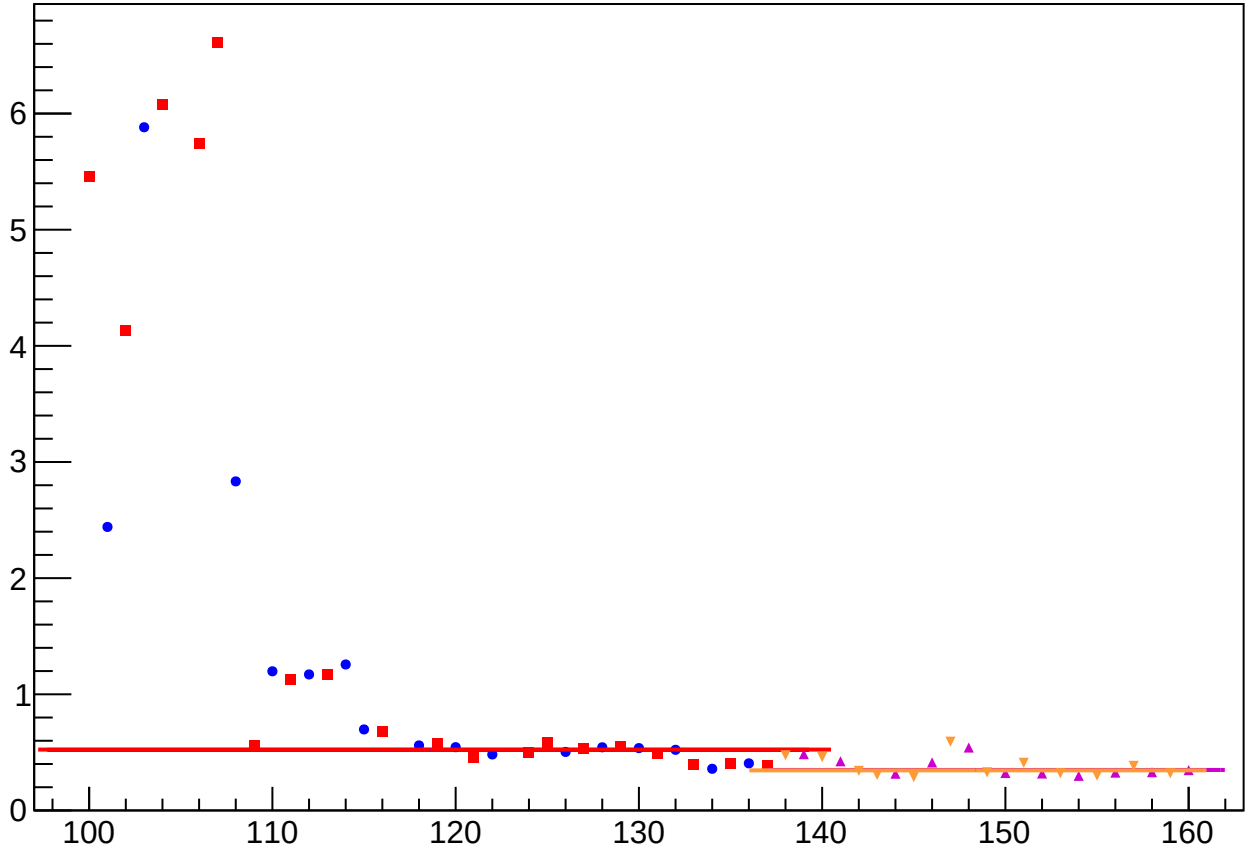
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.185+/-0.000 χ^2/NDF:3462820657.4/26

Out: -40.863+/-0.000 χ^2/NDF:2559086845.0/30

All: -41.024+/-0.000 χ^2/NDF: 6026609786.5/

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:515362.0/10

Left: 0.347+/-0.000 χ^2/NDF: 1191954.5/22

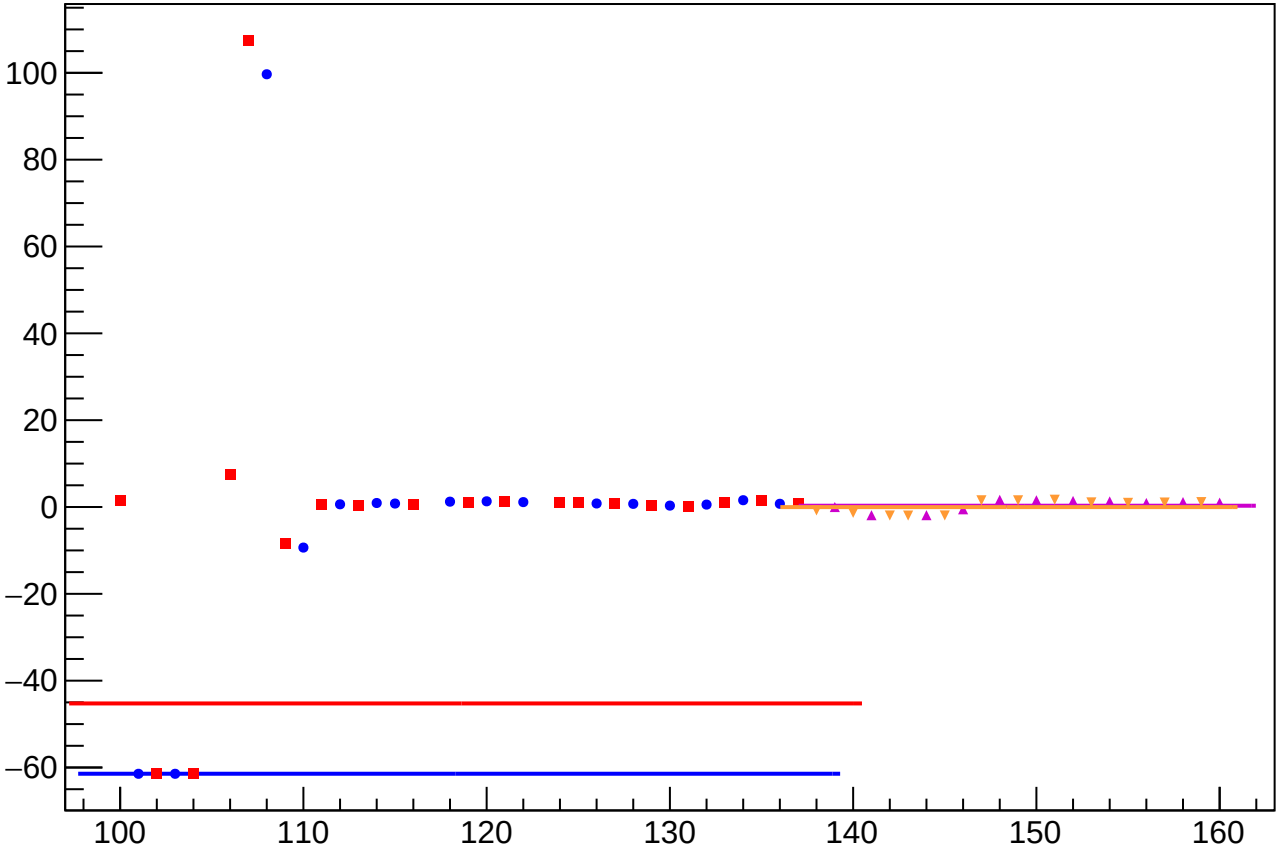
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.384+/-0.000 χ^2/NDF:4348440.9/26

Out: 0.381+/-0.000 χ^2/NDF:4856953.2/30

All: 0.382+/-0.000 χ^2/NDF: 9206356.3/57

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: 0.295+/-0.000 χ^2/NDF:65646389.4/10

Left: 0.132+/-0.000 χ^2/NDF: 150311132.9/22

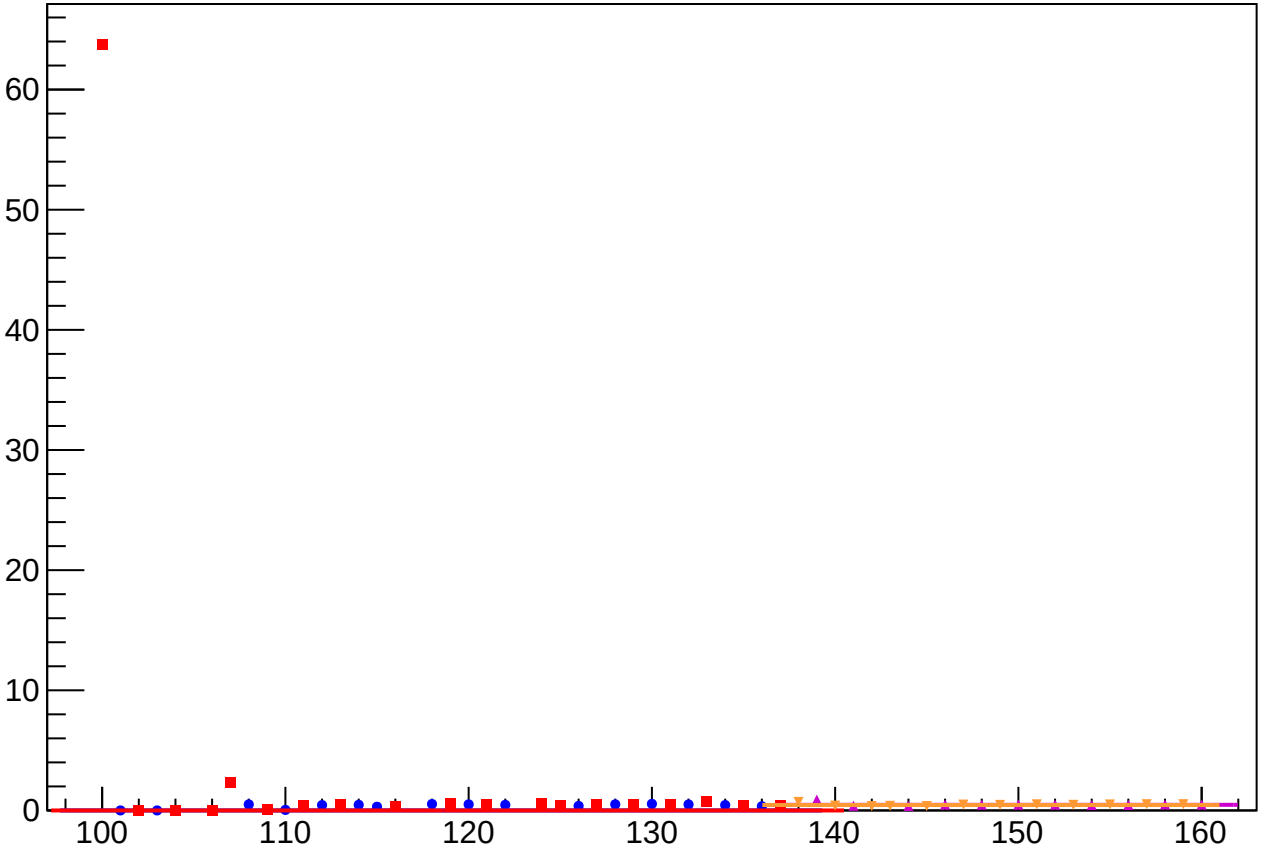
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.430+/-0.000 χ^2/NDF:404753588670.7/26

Out: -45.241+/-0.000 χ^2/NDF:357943642444861.9

All: -52.744+/-0.000 χ^2/NDF: 409318486064

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: 0.469+/-0.000 χ^2/NDF:533323.4/10

Left: 0.461+/-0.000 χ^2/NDF: 967688.4/22

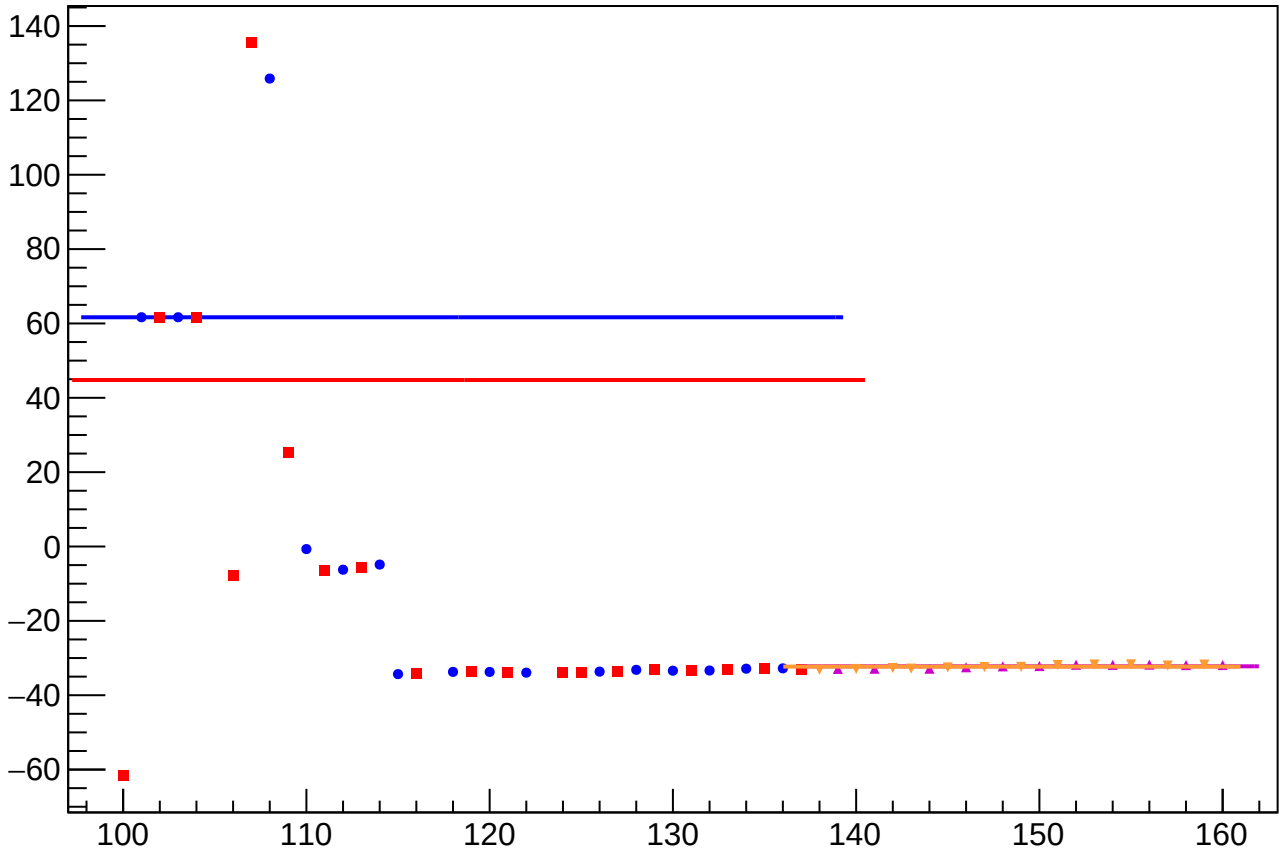
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:24726263.6/26

Out: 0.002+/-0.000 χ^2/NDF:24417914.3/30

All: 0.002+/-0.000 χ^2/NDF: 49144204.0/57

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: -32.224+/-0.000 χ^2/NDF:21115963.6/10

Left: -32.263+/-0.000 χ^2/NDF: 46521678.6/22

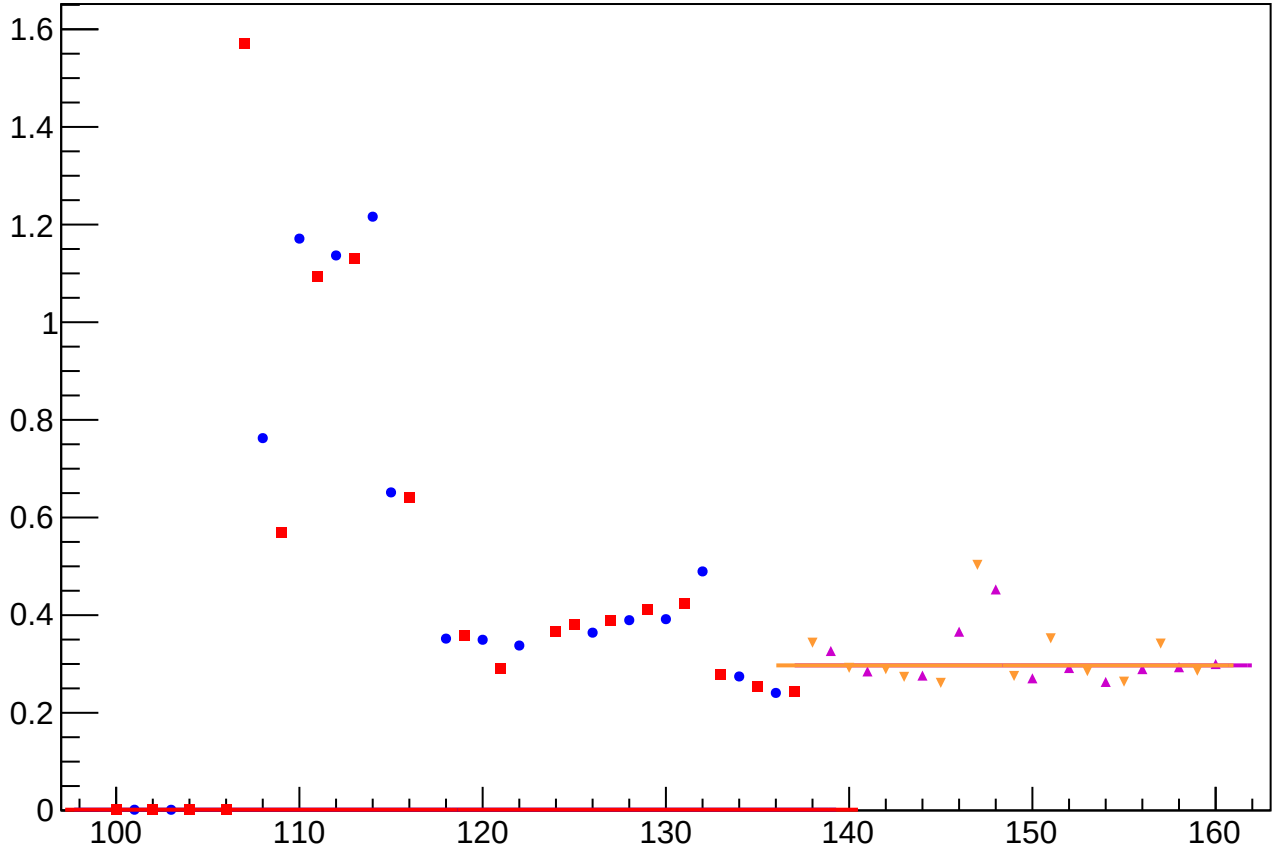
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.633+/-0.000 χ^2/NDF:1272007748283.4/26

Out: 44.765+/-0.000 χ^2/NDF:366694458779013.8

All: 52.665+/-0.000 χ^2/NDF: 419035283038

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:319176.2/10

Left: 0.297+/-0.000 χ^2/NDF: 762374.1/22

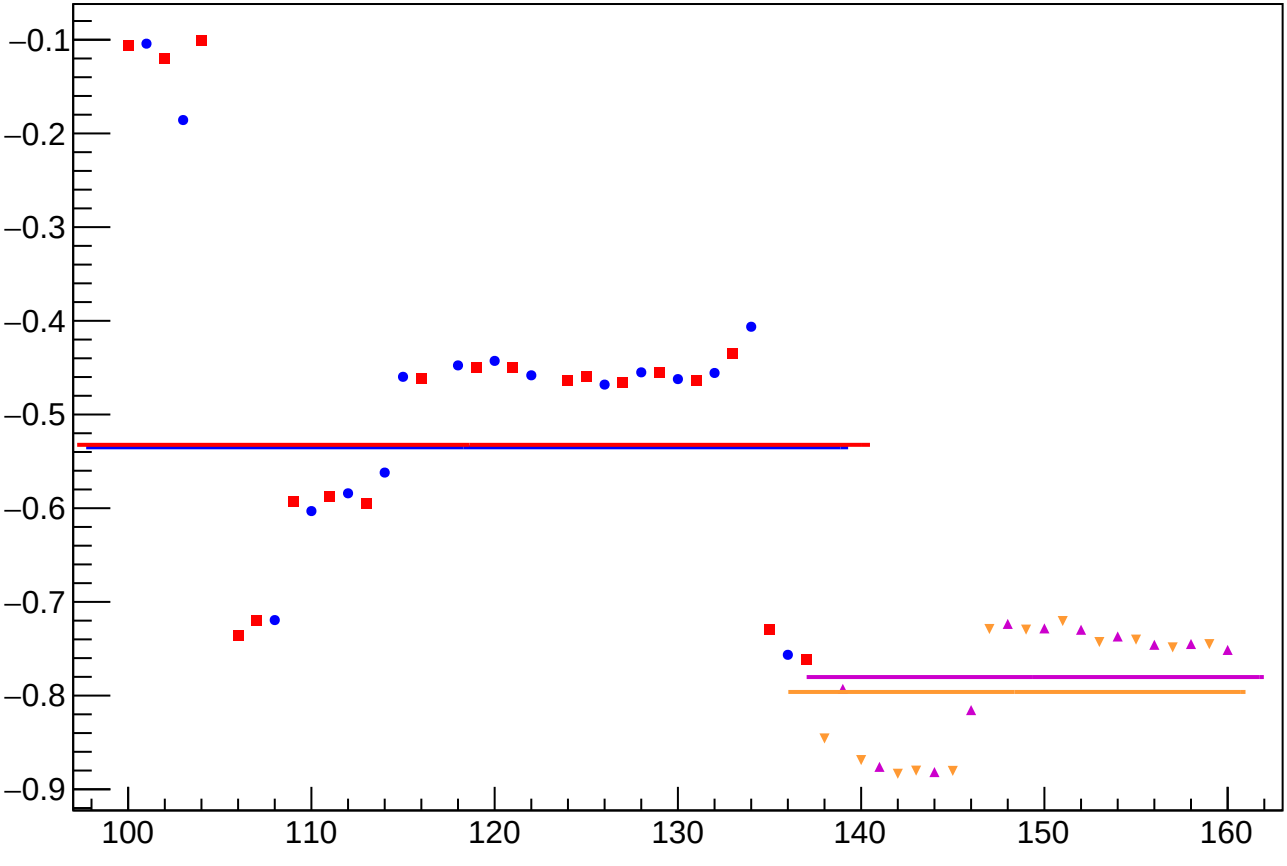
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:29239966.0/26

Out: 0.002+/-0.000 χ^2/NDF:28634576.2/30

All: 0.002+/-0.000 χ^2/NDF: 57874559.9/57

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: -0.780+/-0.000 χ^2/NDF:68987178.0/10

Left: -0.788+/-0.000 χ^2/NDF: 164011756.0/22

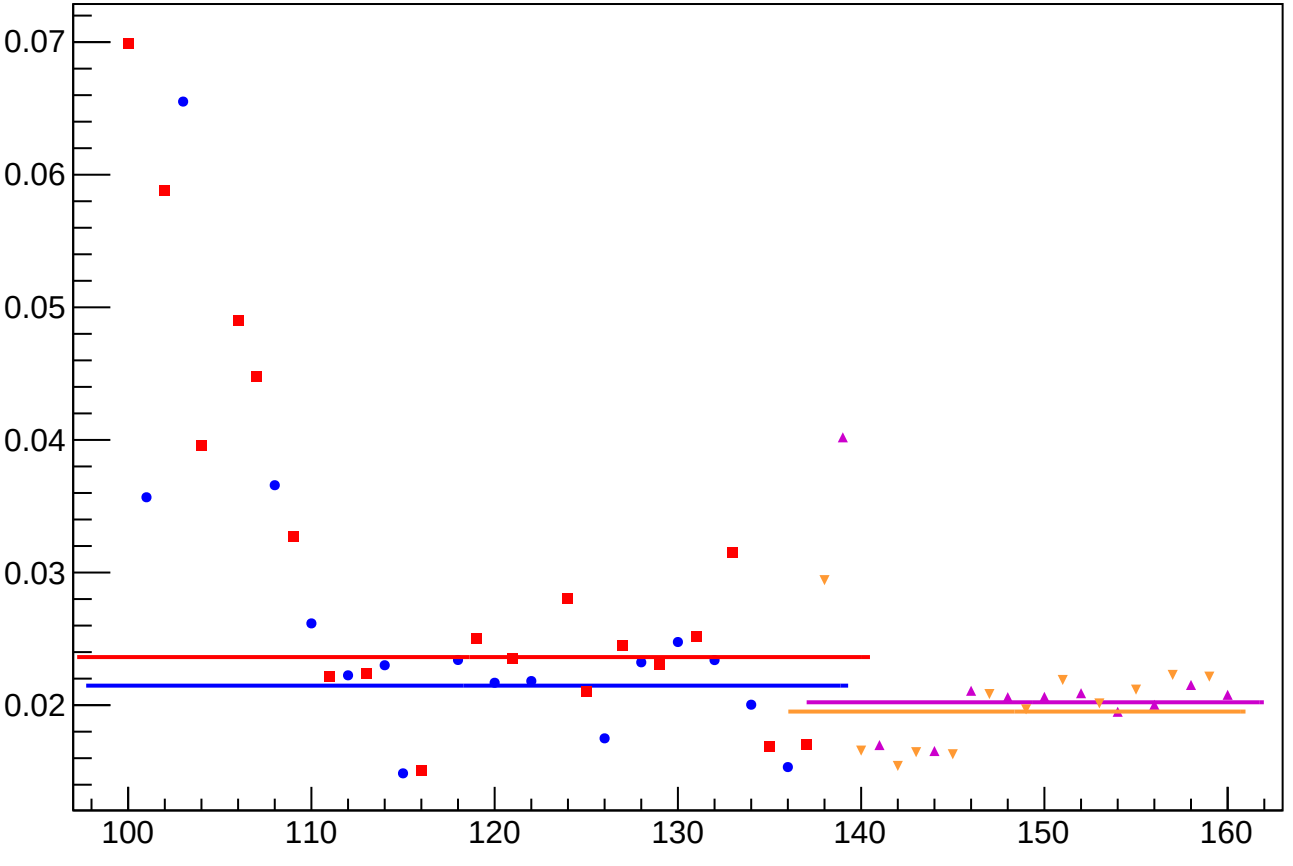
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.685+/-0.000 χ^2/NDF:798609466.6/26

Out: -0.706+/-0.000 χ^2/NDF:764654819.9/30

All: -0.696+/-0.000 χ^2/NDF: 1569586794.1/5

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:537812.8/10

Left: 0.020+/-0.000 χ^2/NDF: 929639.7/22

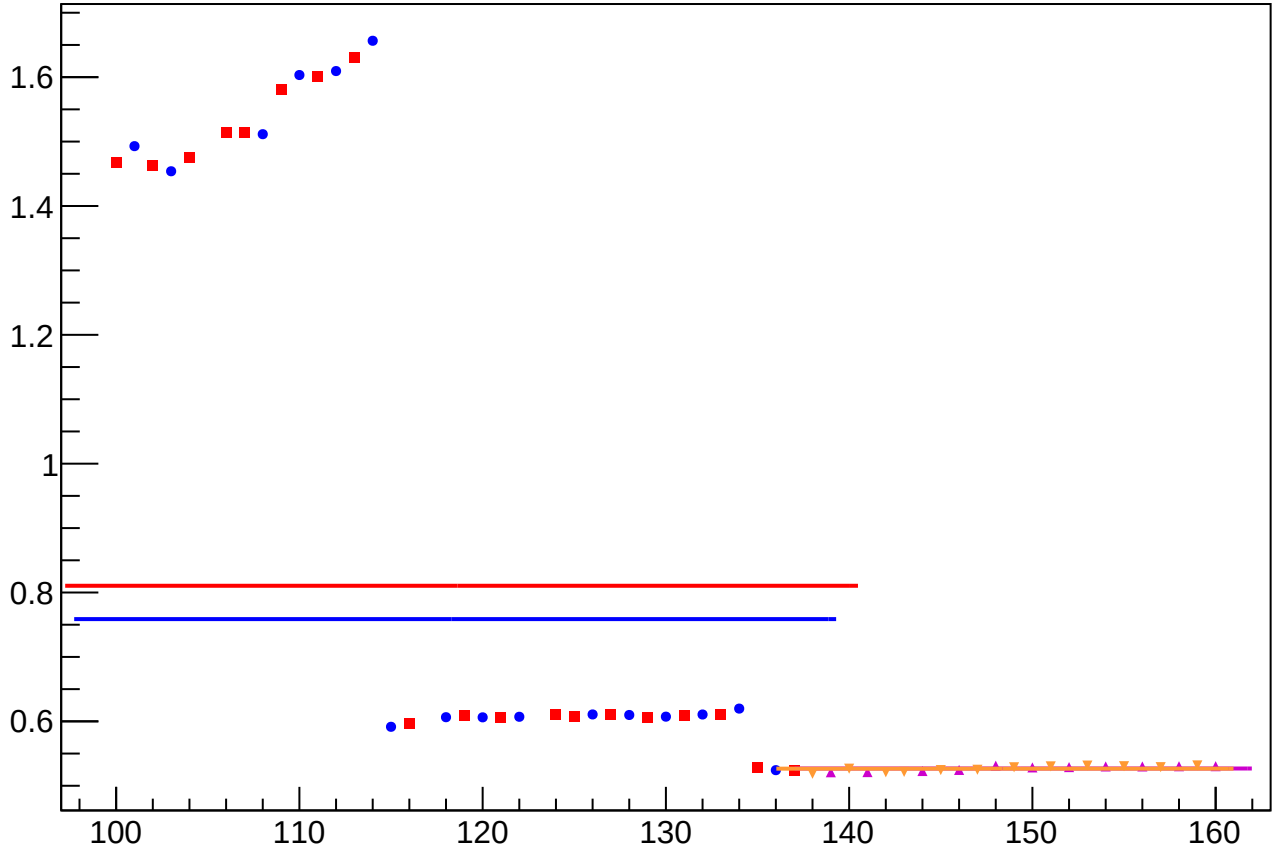
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1714264.1/26

Out: 0.021+/-0.000 χ^2/NDF:1882054.0/30

All: 0.021+/-0.000 χ^2/NDF: 3597726.2/57

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: 0.527+/-0.000 χ^2/NDF:871916.7/10

Left: 0.527+/-0.000 χ^2/NDF: 1951879.9/22

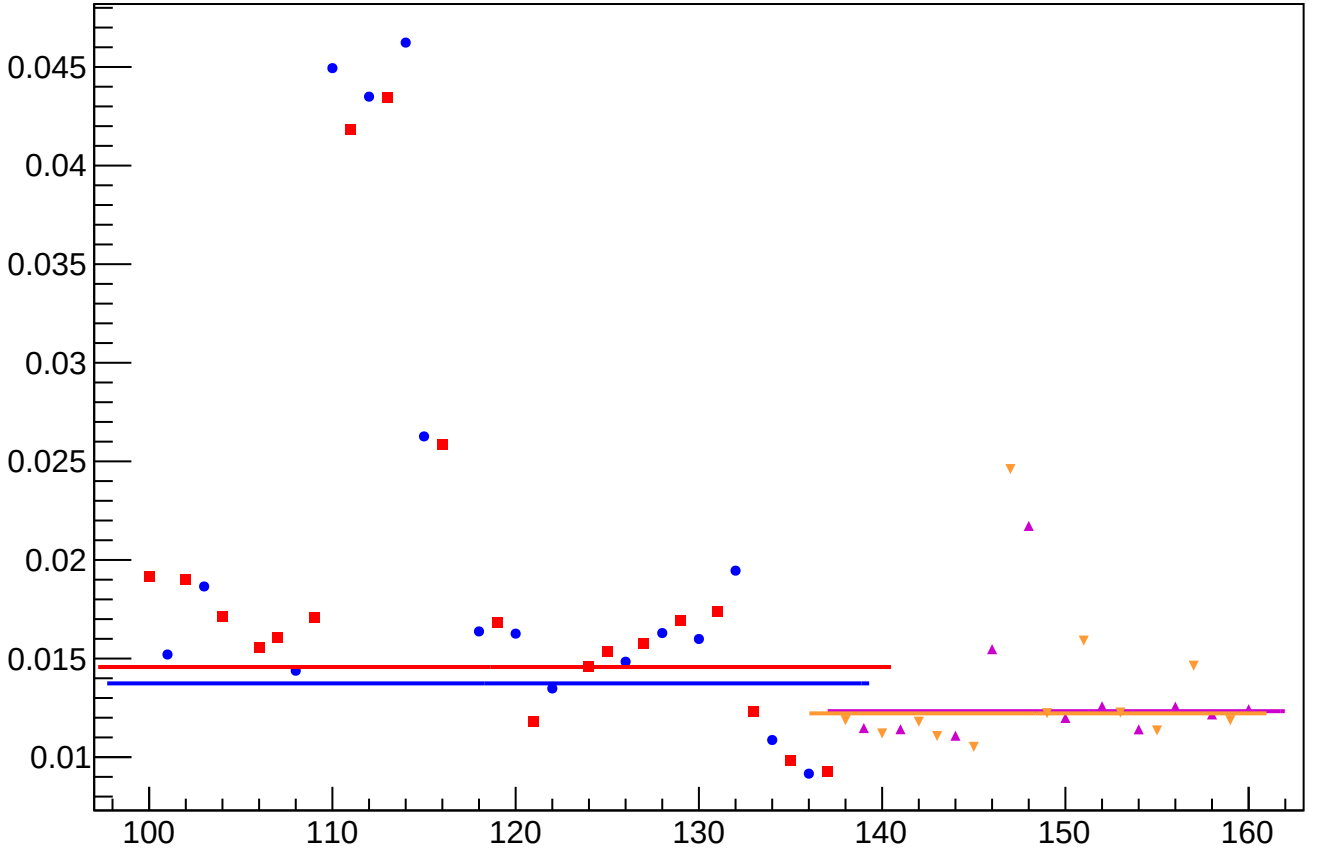
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.607+/-0.000 χ^2/NDF:5411754956.8/26

Out: 0.621+/-0.000 χ^2/NDF:6354747766.3/30

All: 0.614+/-0.000 χ^2/NDF: 11774260652.7/5

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:416343.5/10

Left: 0.012+/-0.000 χ^2/NDF: 1030273.7/22

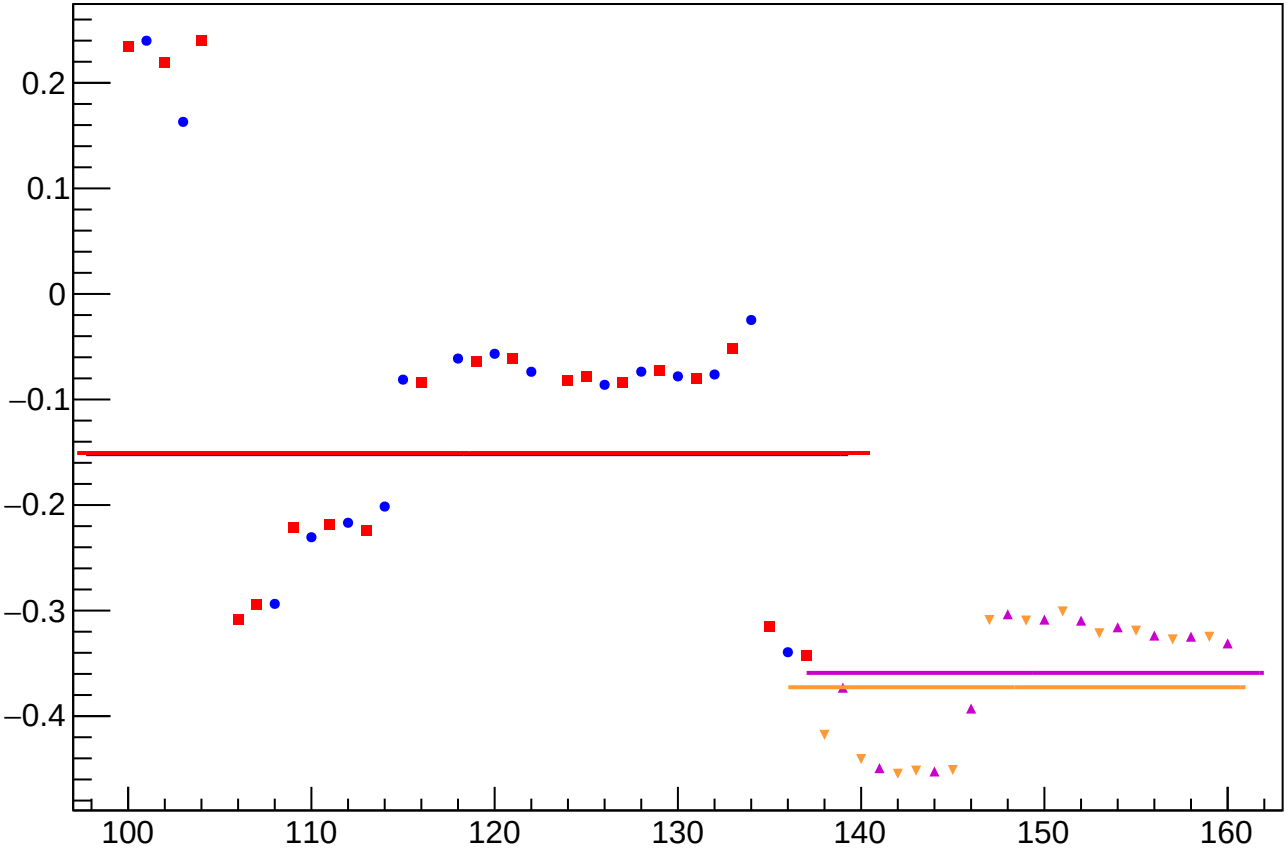
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2147864.1/26

Out: 0.013+/-0.000 χ^2/NDF:2285511.4/30

All: 0.013+/-0.000 χ^2/NDF: 4436210.4/57

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: -0.359+/-0.000 χ^2/NDF:70234578.9/10

Left: -0.366+/-0.000 χ^2/NDF: 162858704.5/22

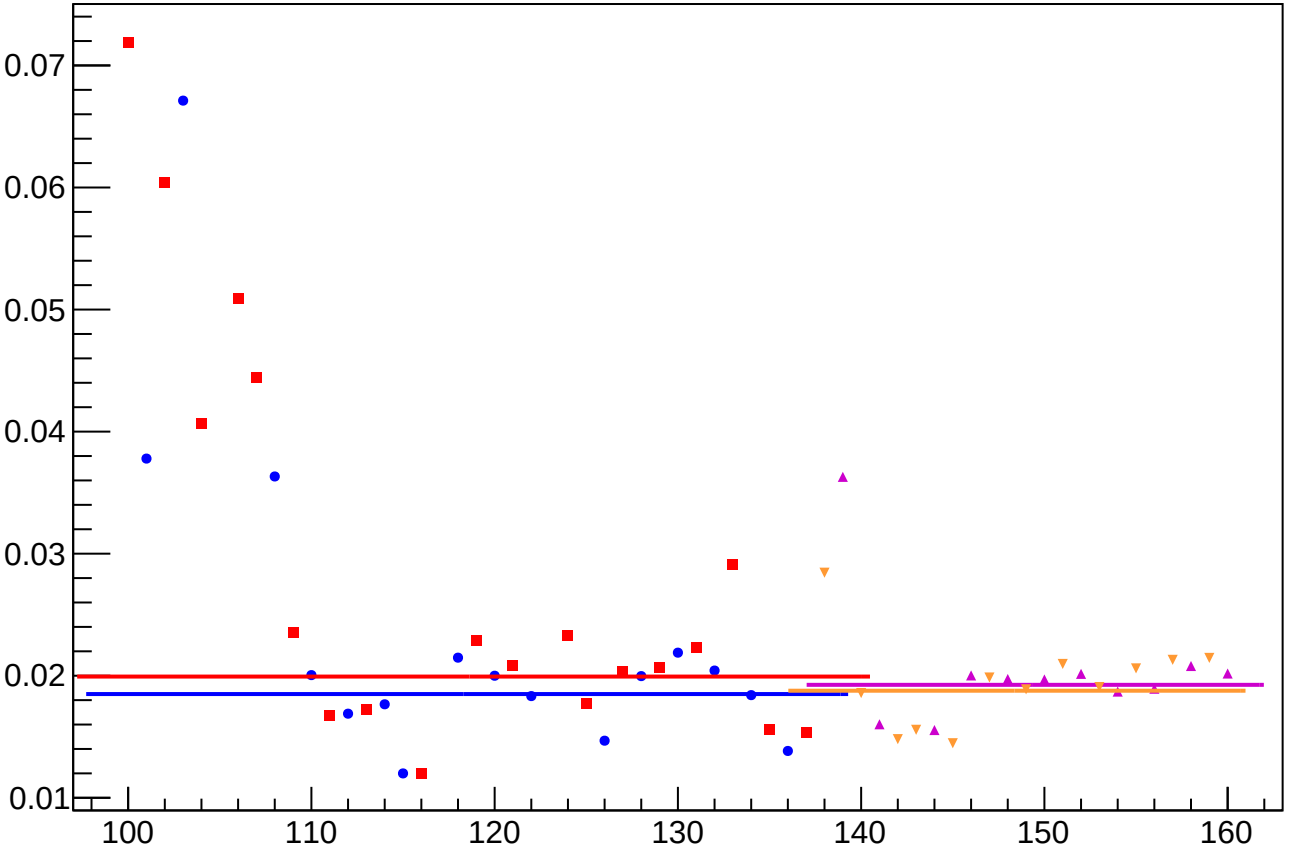
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.270+/-0.000 χ^2/NDF:724820893.6/26

Out: -0.285+/-0.000 χ^2/NDF:699187399.7/30

All: -0.278+/-0.000 χ^2/NDF: 1428019469.9/5

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:516234.0/10

Left: 0.019+/-0.000 χ^2/NDF: 942890.4/22

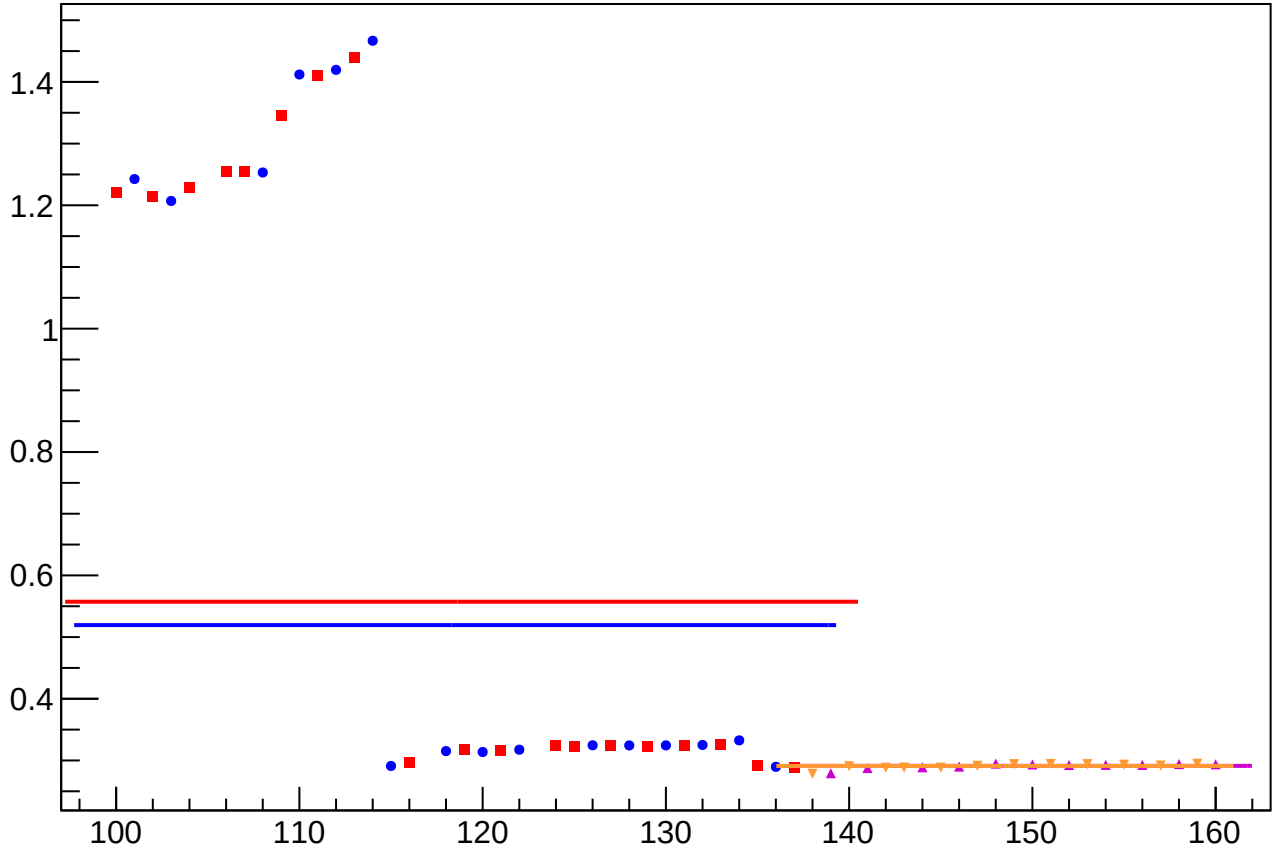
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1898631.7/26

Out: 0.019+/-0.000 χ^2/NDF:1991714.4/30

All: 0.019+/-0.000 χ^2/NDF: 3893514.6/57

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:1167400.4/10

Left: 0.291+/-0.000 χ^2/NDF: 2293307.4/22

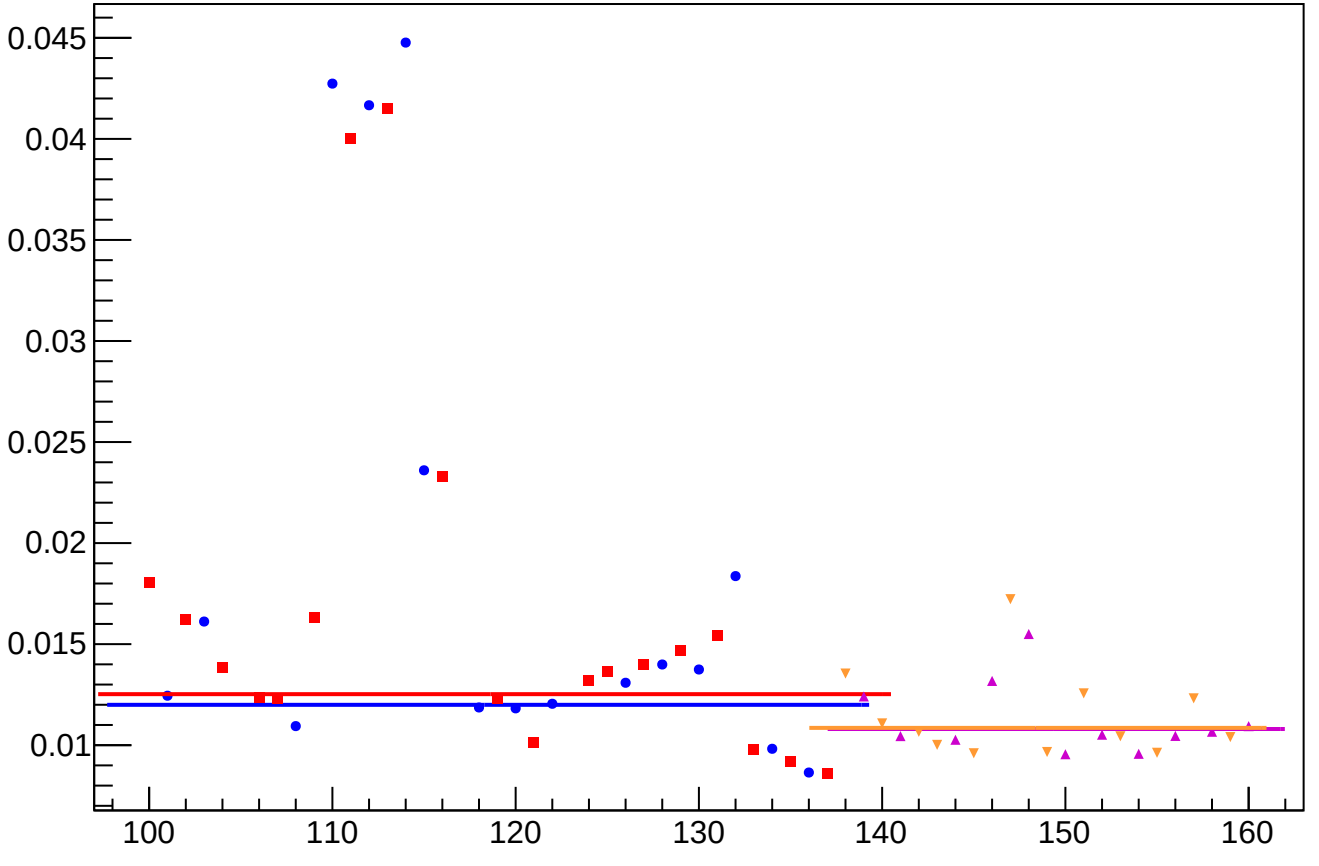
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.371+/-0.000 χ^2/NDF:7726340079.5/26

Out: 0.382+/-0.000 χ^2/NDF:8571522405.4/30

All: 0.376+/-0.000 χ^2/NDF: 16305083317.3/5

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:296258.8/10

Left: 0.011+/-0.000 χ^2/NDF: 720121.9/22

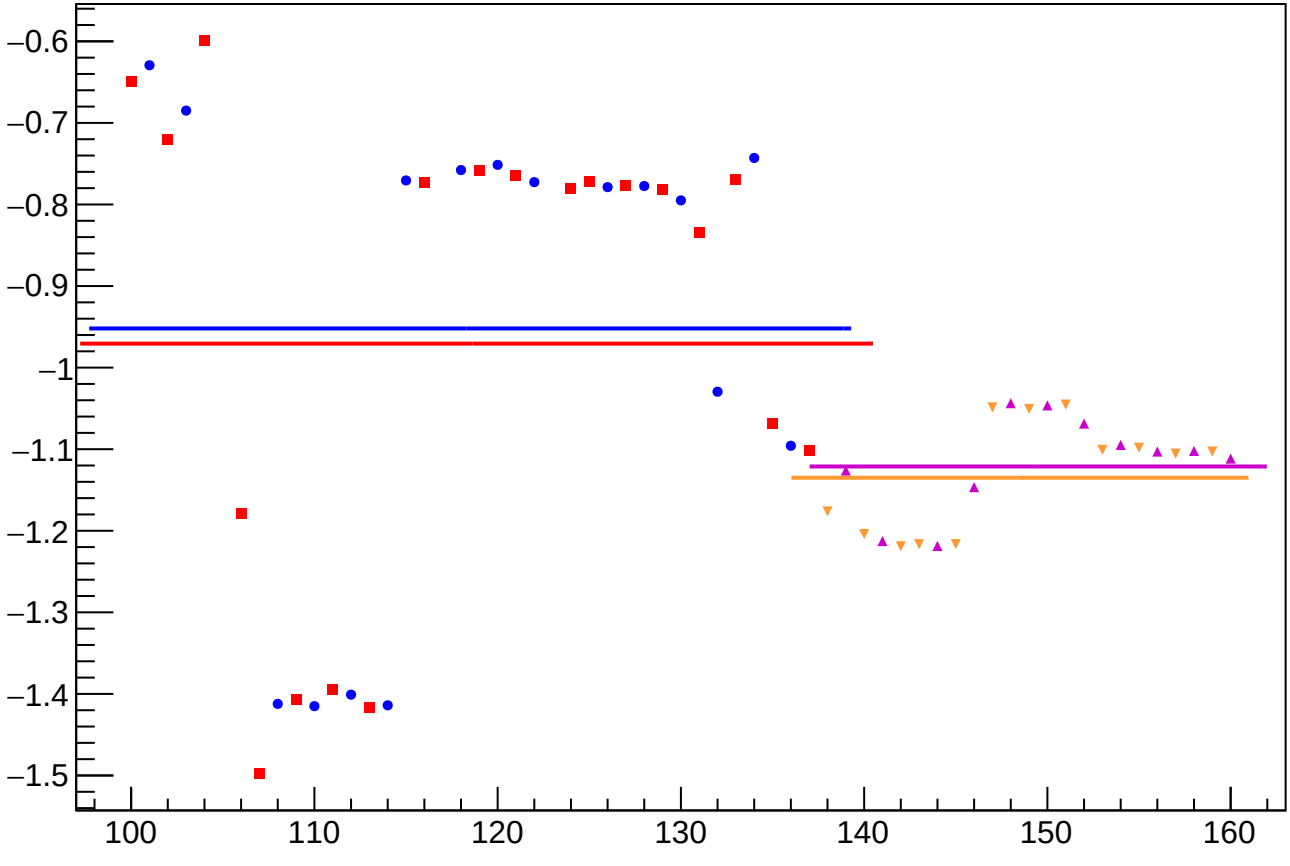
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1865151.6/26

Out: 0.011+/-0.000 χ^2/NDF:2001240.9/30

All: 0.011+/-0.000 χ^2/NDF: 3871416.4/57

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: -1.121+/-0.000 χ^2/NDF:71333949.1/10

Left: -1.128+/-0.000 χ^2/NDF: 169209886.4/22

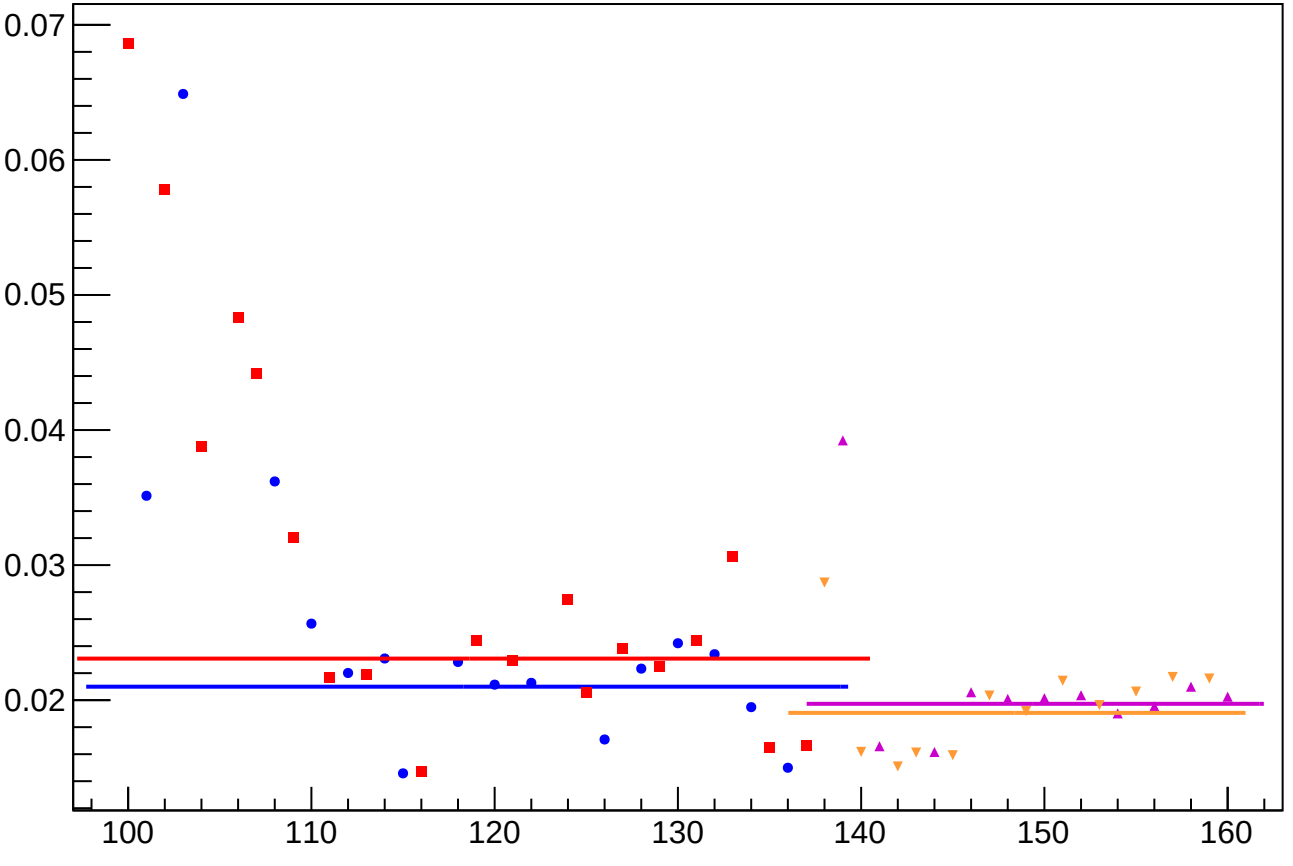
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.056+/-0.000 χ^2/NDF:984458283.1/26

Out: -1.079+/-0.000 χ^2/NDF:996618716.8/30

All: -1.067+/-0.000 χ^2/NDF: 1989301622.5/5

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:536651.4/10

Left: 0.019+/-0.000 χ^2/NDF: 924442.8/22

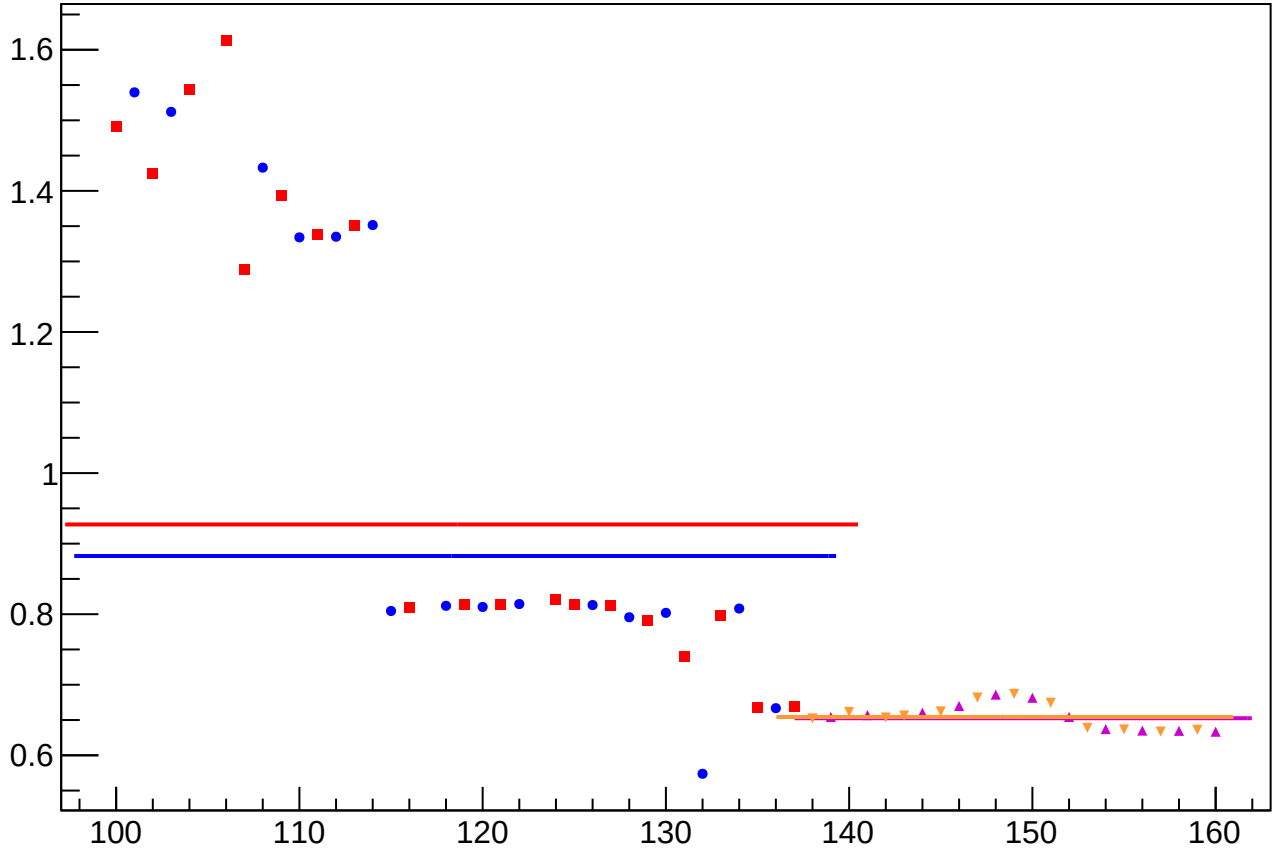
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1727667.1/26

Out: 0.020+/-0.000 χ^2/NDF:1882508.0/30

All: 0.020+/-0.000 χ^2/NDF: 3611543.6/57

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: 0.653+/-0.000 χ^2/NDF:15534776.4/10

Left: 0.653+/-0.000 χ^2/NDF: 31300456.9/22

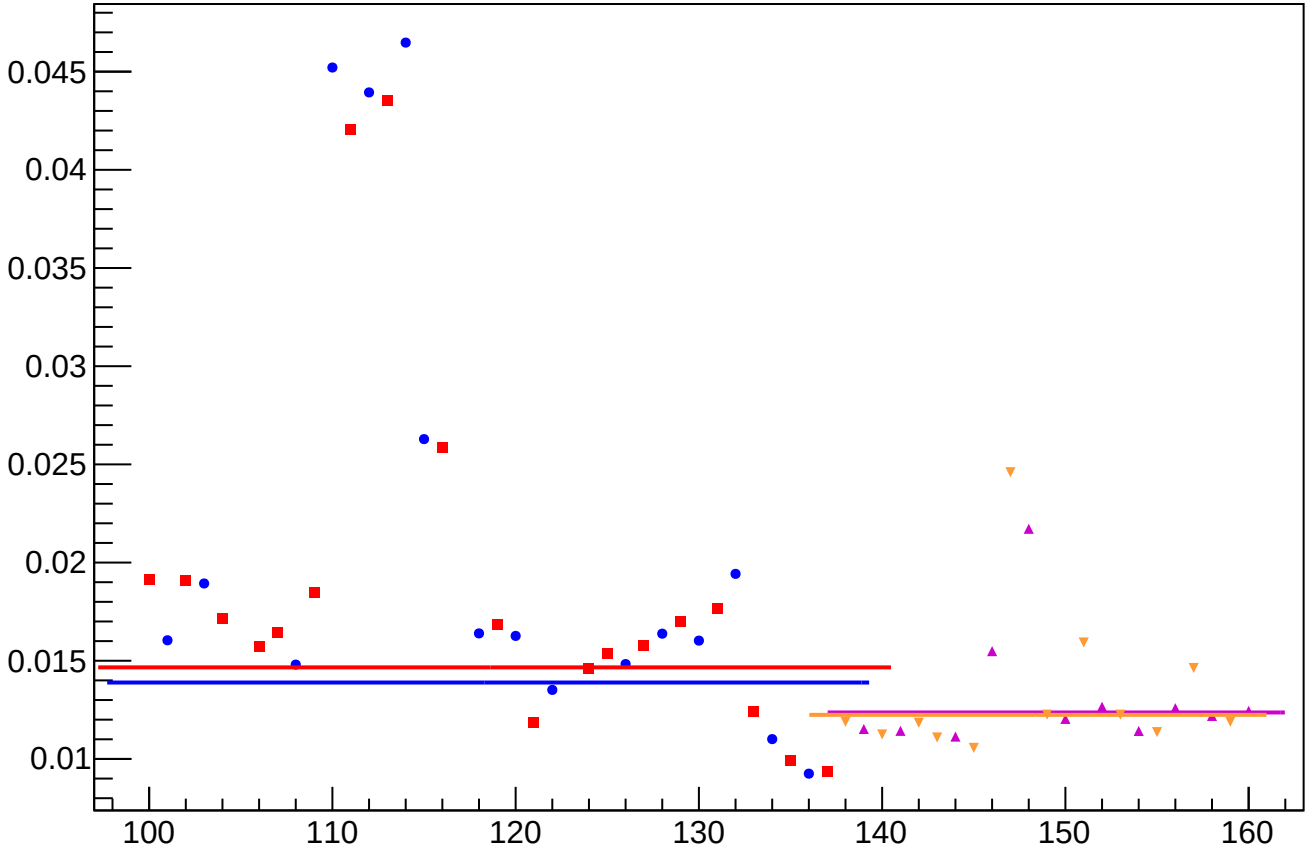
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.731+/-0.000 χ^2/NDF:3866662918.1/26

Out: 0.744+/-0.000 χ^2/NDF:4223400598.7/30

All: 0.737+/-0.000 χ^2/NDF: 8096886571.1/57

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:412758.2/10

Left: 0.012+/-0.000 χ^2/NDF: 1021596.4/22

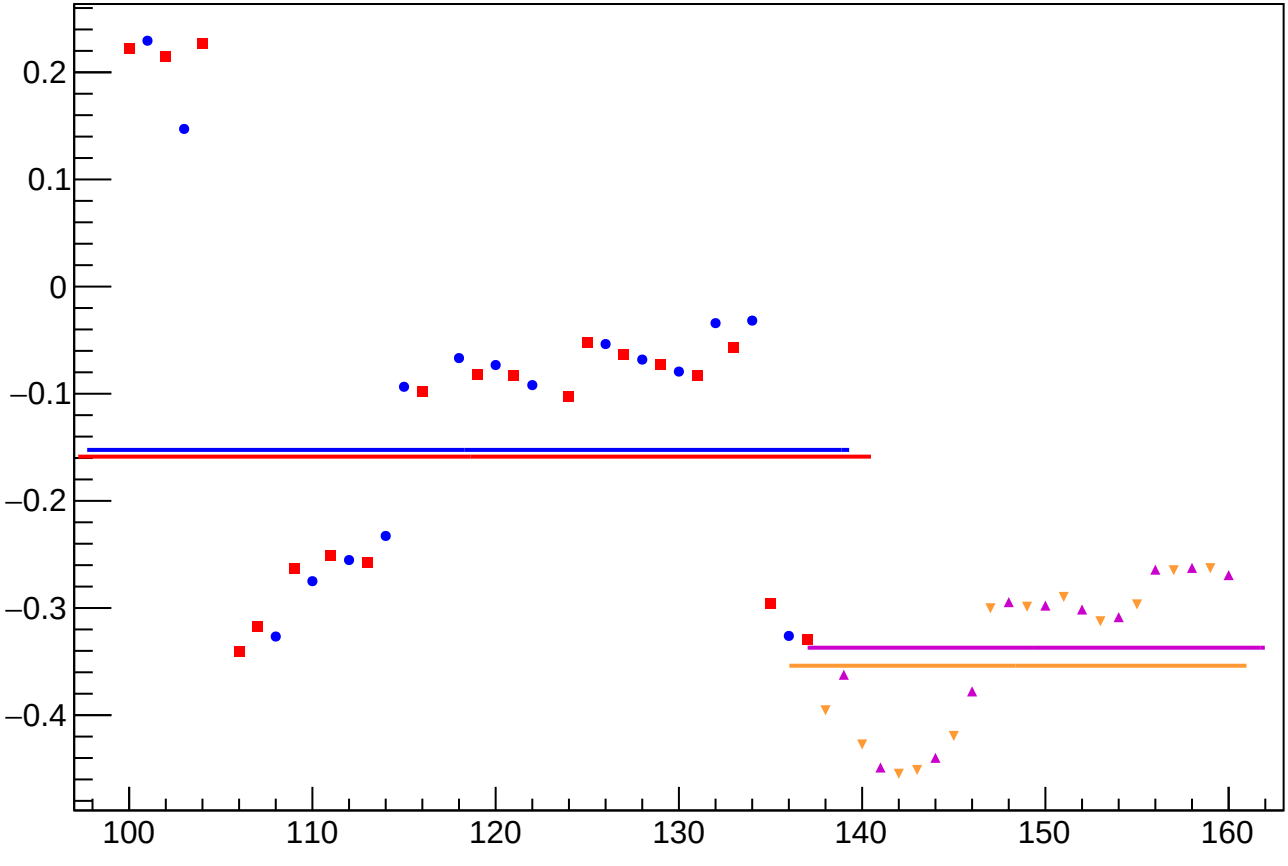
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2153350.3/26

Out: 0.013+/-0.000 χ^2/NDF:2301716.4/30

All: 0.013+/-0.000 χ^2/NDF: 4457026.6/57

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: -0.337+/-0.000 χ^2/NDF:99290838.3/10

Left: -0.346+/-0.000 χ^2/NDF: 213088194.4/22

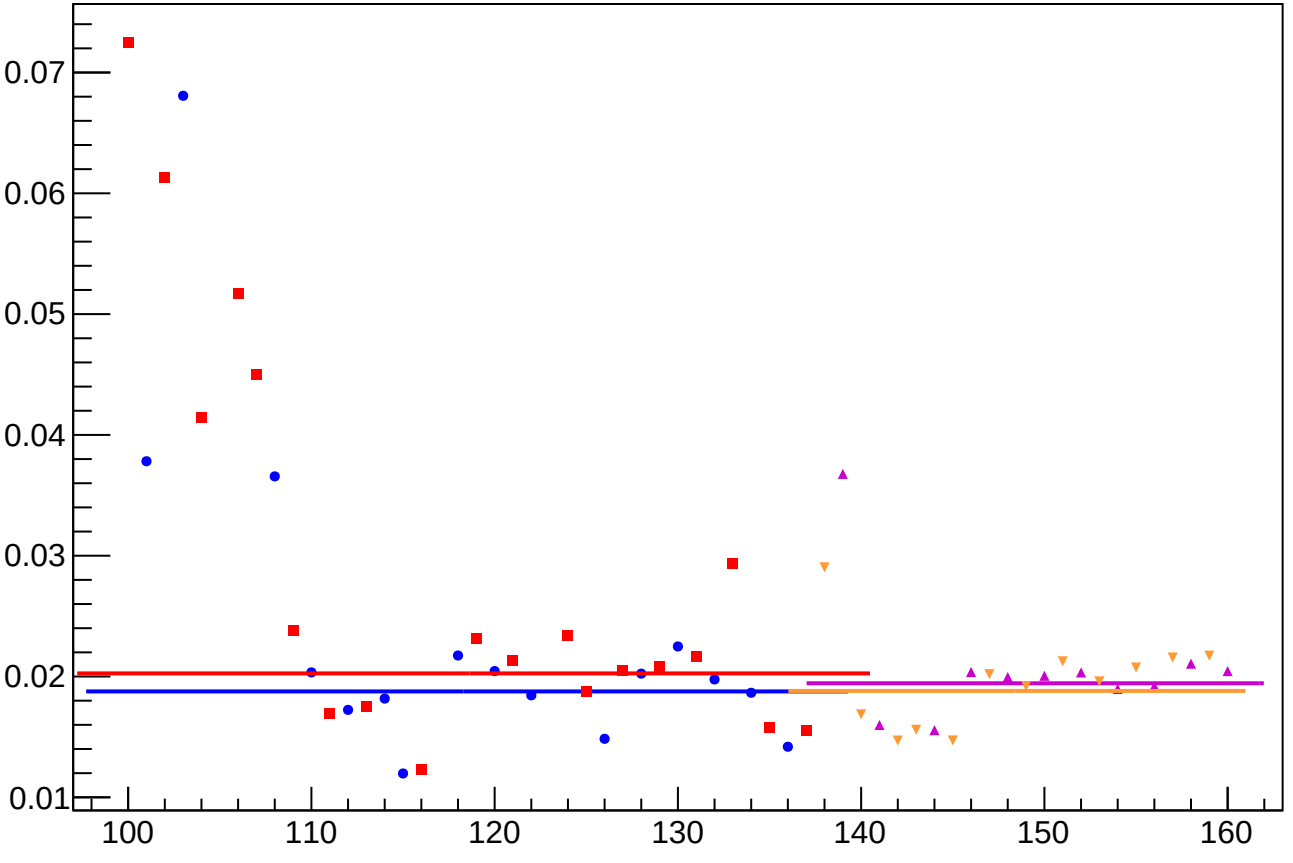
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.258+/-0.000 χ^2/NDF:666113813.9/26

Out: -0.278+/-0.000 χ^2/NDF:615392687.4/30

All: -0.268+/-0.000 χ^2/NDF: 1288352670.7/5

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:534954.3/10

Left: 0.019+/-0.000 χ^2/NDF: 1001165.8/22

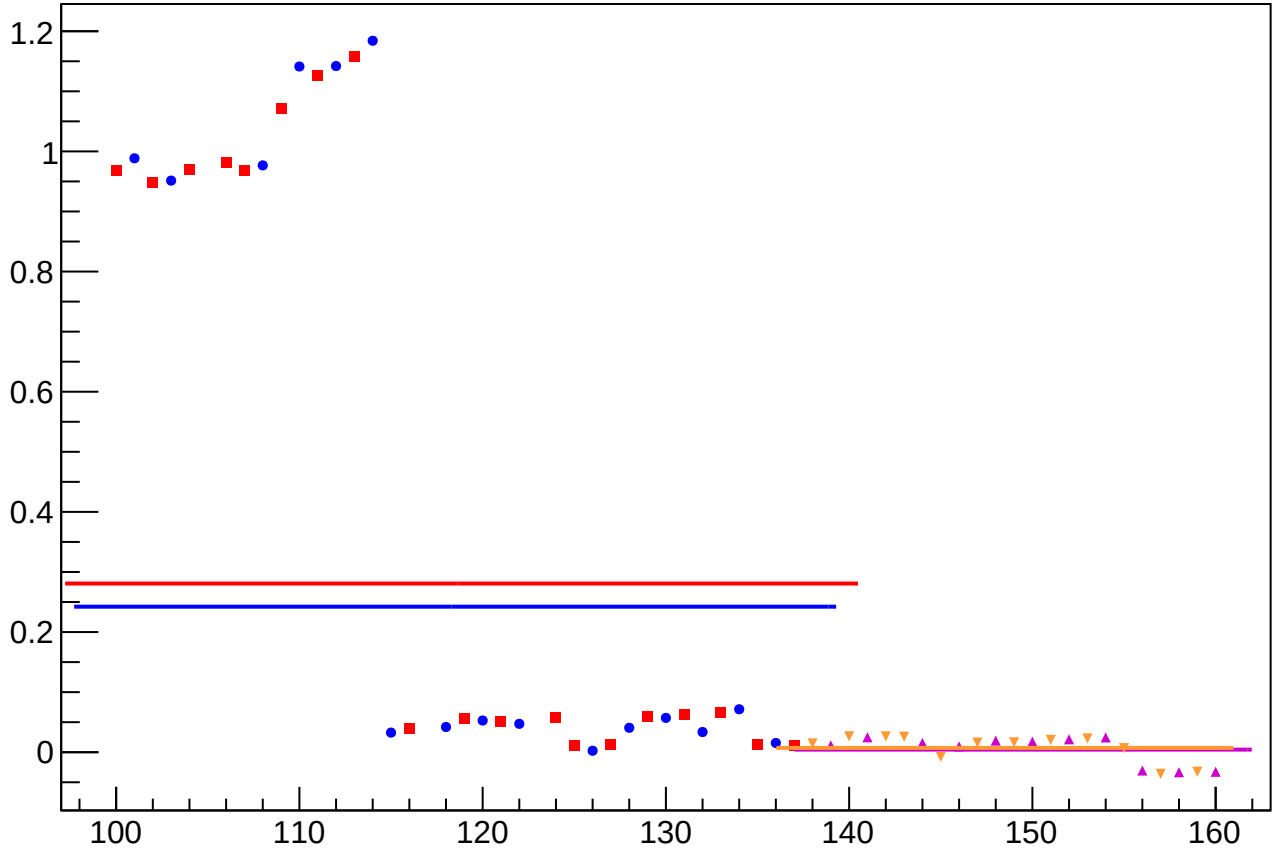
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1892226.3/26

Out: 0.019+/-0.000 χ^2/NDF:2021674.0/30

All: 0.019+/-0.000 χ^2/NDF: 3915564.8/57

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: 0.004+/-0.000 χ^2/NDF:43484416.2/10

Left: 0.006+/-0.000 χ^2/NDF: 79312310.3/22

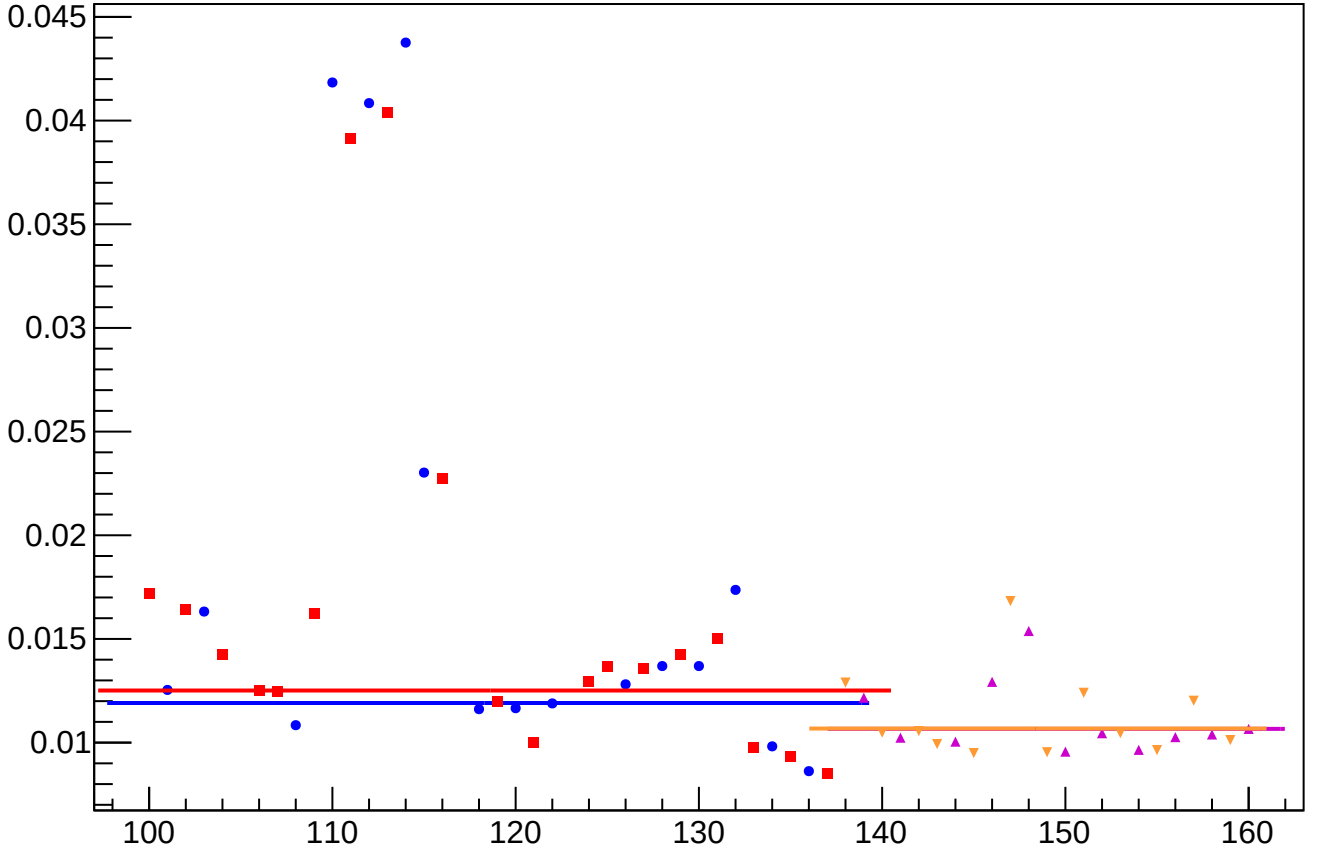
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.087+/-0.000 χ^2/NDF:8109830514.7/26

Out: 0.098+/-0.000 χ^2/NDF:8746610157.1/30

All: 0.092+/-0.000 χ^2/NDF: 16864850492.1/5

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:281901.9/10

Left: 0.011+/-0.000 χ^2/NDF: 670626.0/22

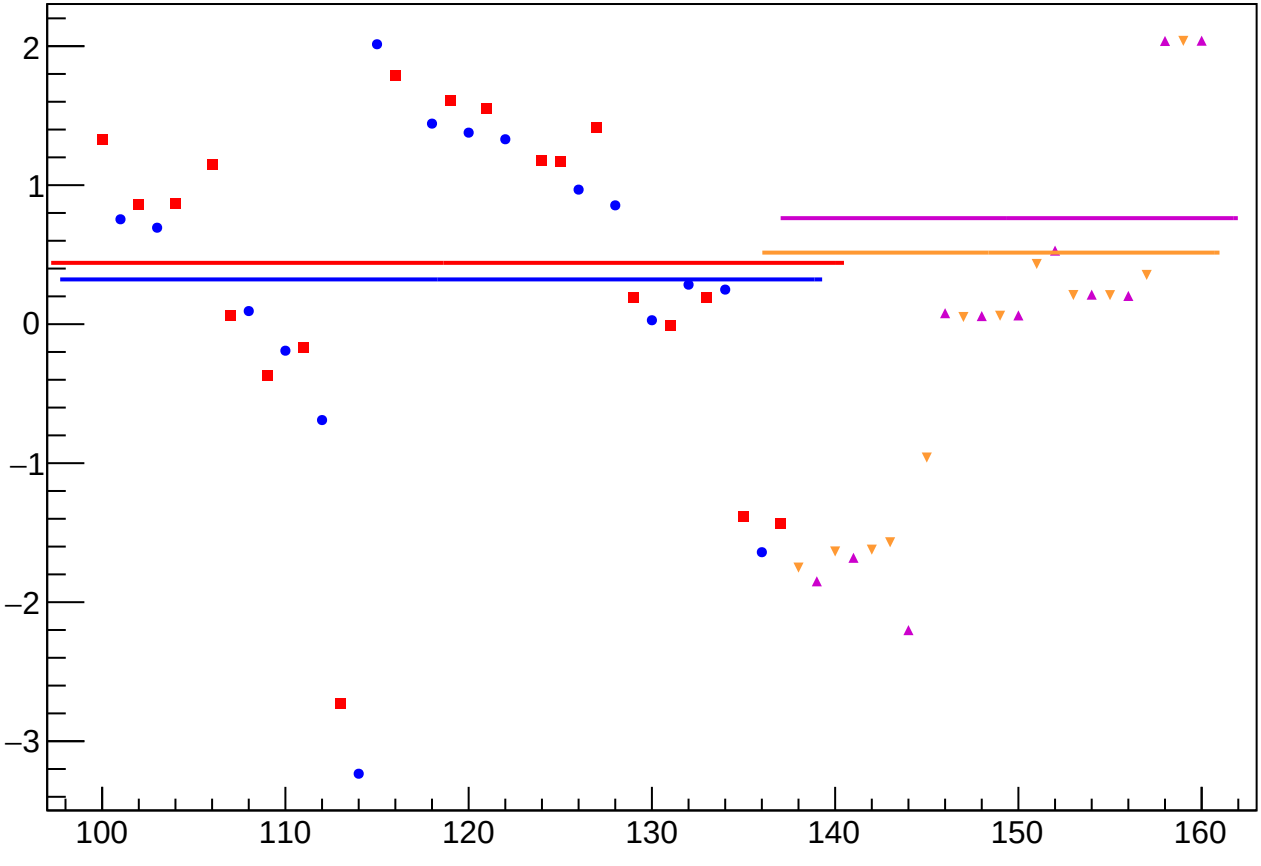
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1827084.7/26

Out: 0.011+/-0.000 χ^2/NDF:1956747.1/30

All: 0.011+/-0.000 χ^2/NDF: 3788449.2/57

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: 0.763+/-0.000 χ^2/NDF:23099386846.3/10

Left: 0.653+/-0.000 χ^2/NDF: 36685404603.2/22

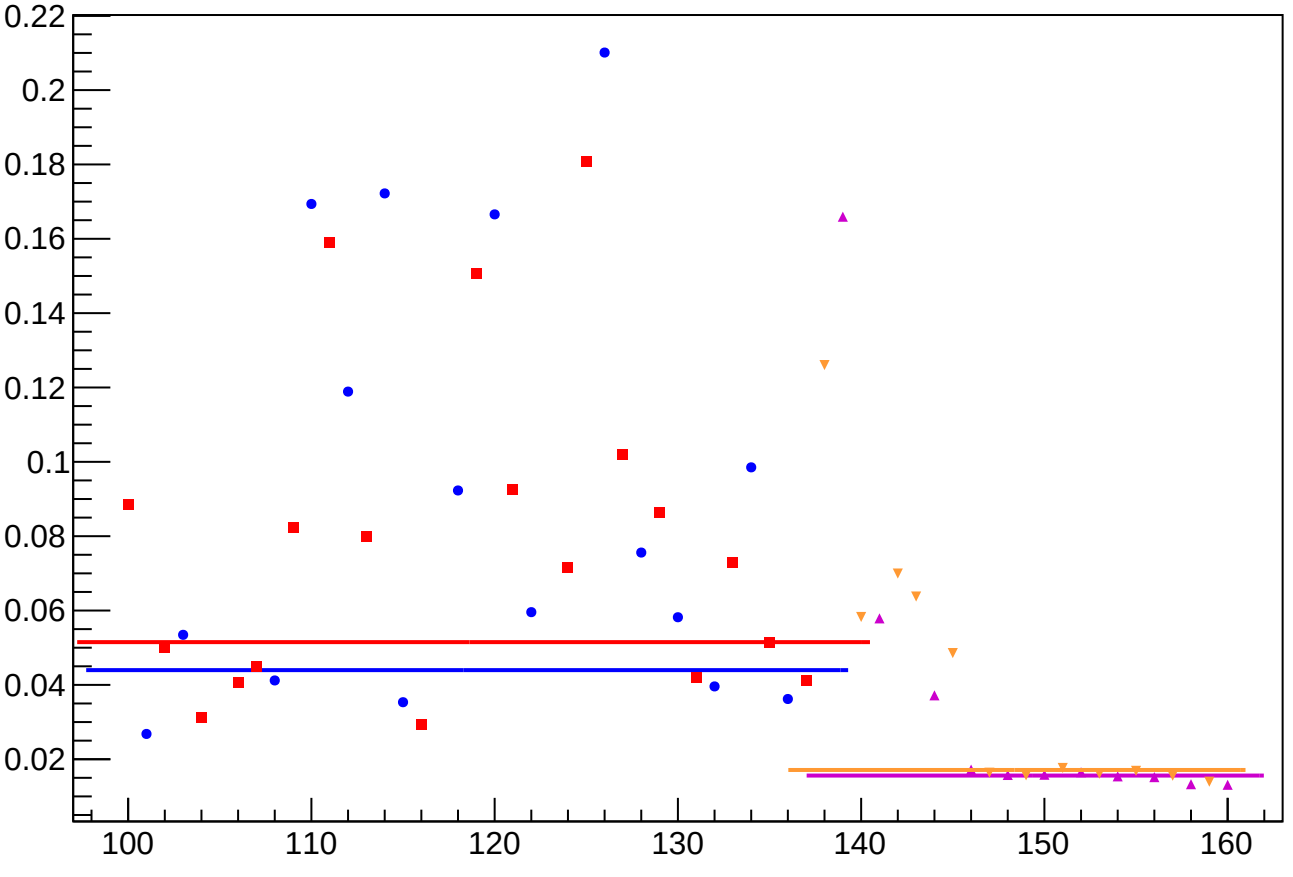
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.732+/-0.000 χ^2/NDF:25122757930.2/26

Out: 0.509+/-0.000 χ^2/NDF:14682297713.7/30

All: 0.633+/-0.000 χ^2/NDF: 40419336030.4/5

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:2114092.0/10

Left: 0.016+/-0.000 χ^2/NDF: 4938993.0/22

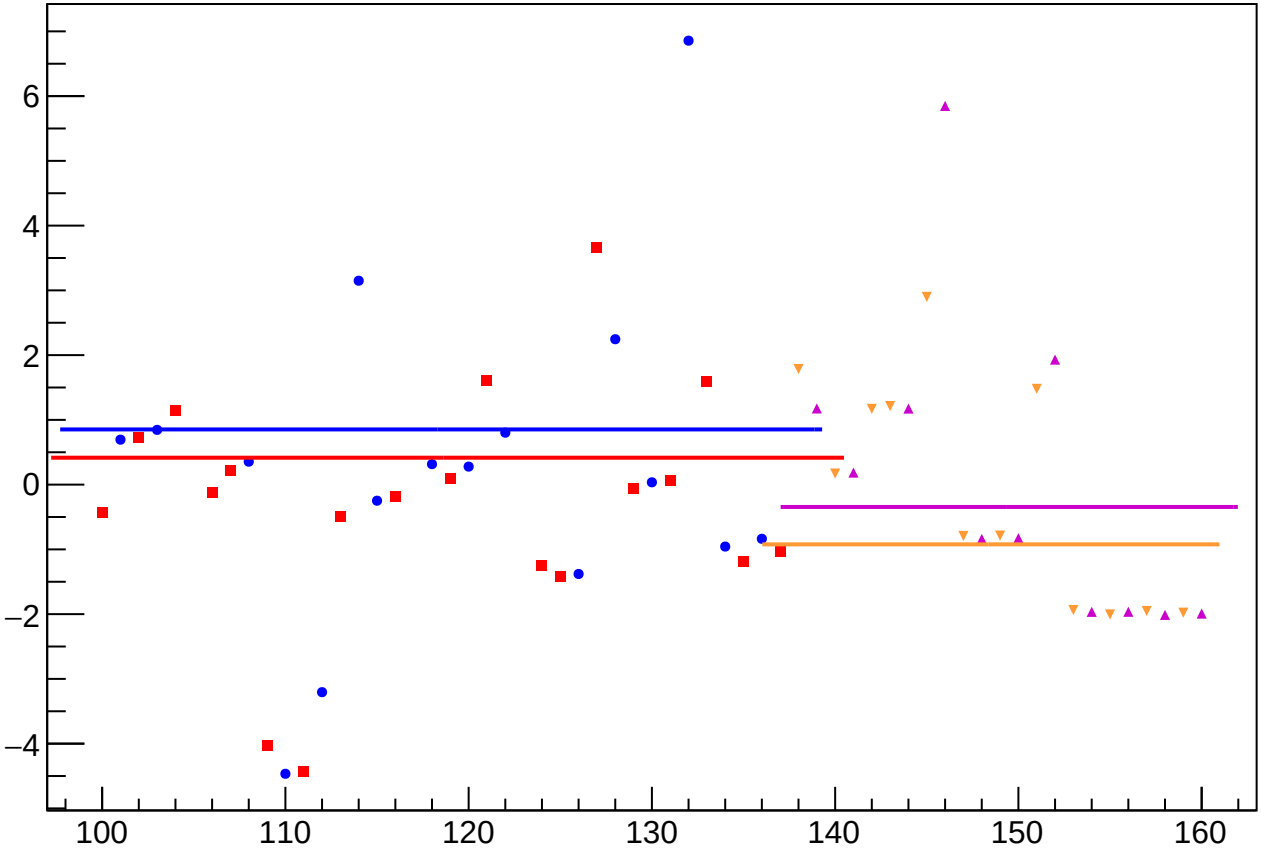
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.018+/-0.000 χ^2/NDF:7869850.1/26

Out: 0.020+/-0.000 χ^2/NDF:8746165.6/30

All: 0.019+/-0.000 χ^2/NDF: 16720238.2/57

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: -0.345+/-0.000 χ^2/NDF:255182636685.8/10

Left: -0.605+/-0.000 χ^2/NDF: 347566232725.0/22

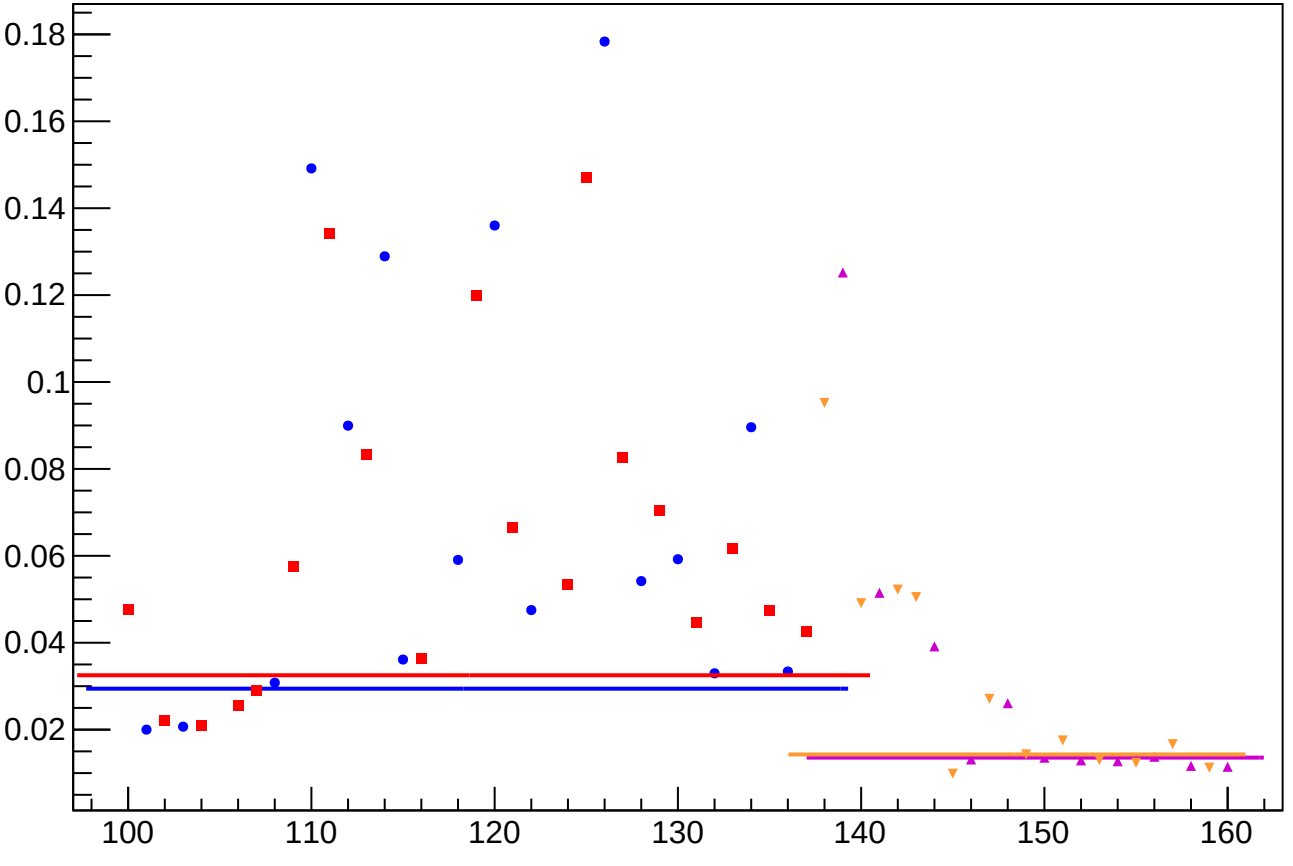
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: -0.224+/-0.000 χ^2/NDF:272246942637.6/26

Out: -0.773+/-0.000 χ^2/NDF:98032812527.4/30

All: -0.472+/-0.000 χ^2/NDF: 376022664180.9

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:2586361.0/10

Left: 0.014+/-0.000 χ^2/NDF: 5509871.2/22

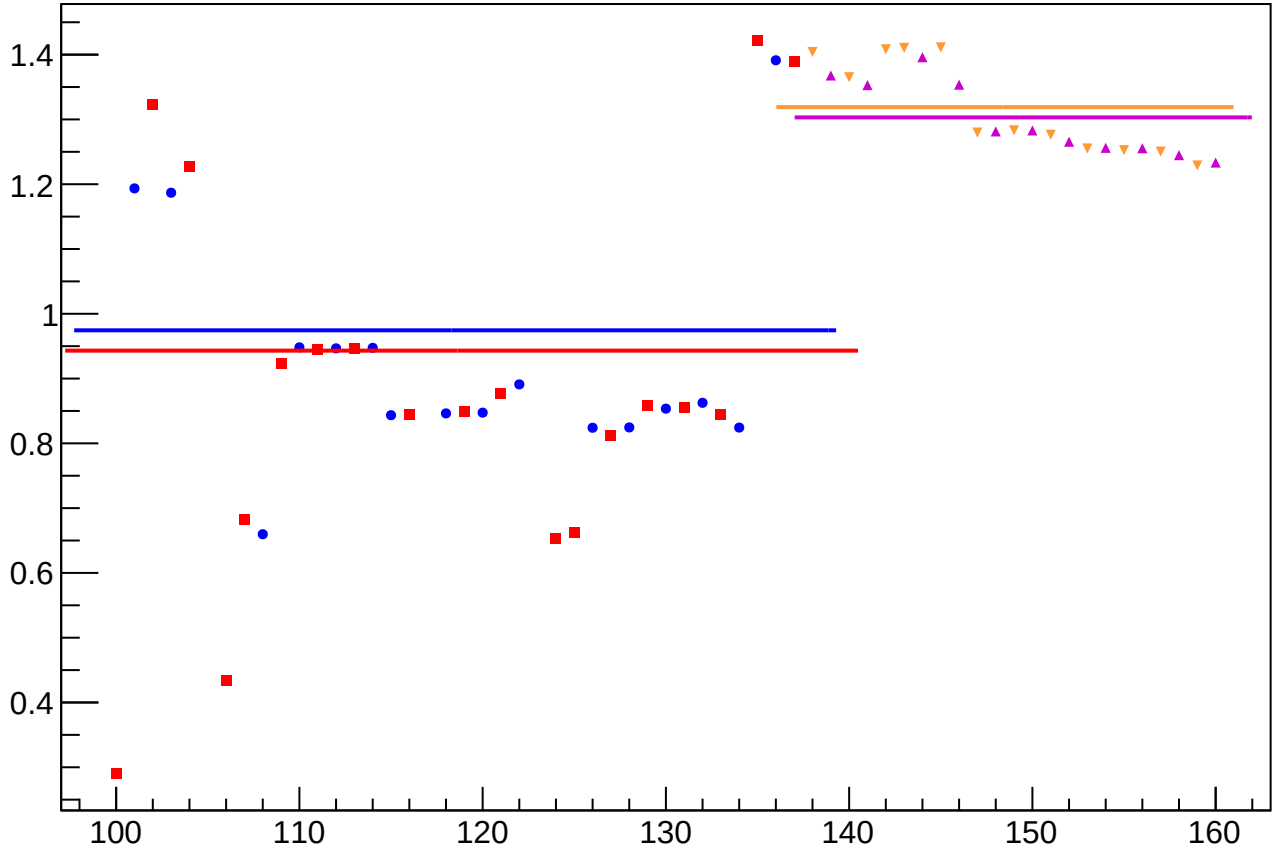
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.015+/-0.000 χ^2/NDF:7706626.5/26

Out: 0.016+/-0.000 χ^2/NDF:8524224.4/30

All: 0.016+/-0.000 χ^2/NDF: 16282240.0/57

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: 1.303+/-0.000 χ^2/NDF:139591147.3/10

Left: 1.311+/-0.000 χ^2/NDF: 369525590.0/22

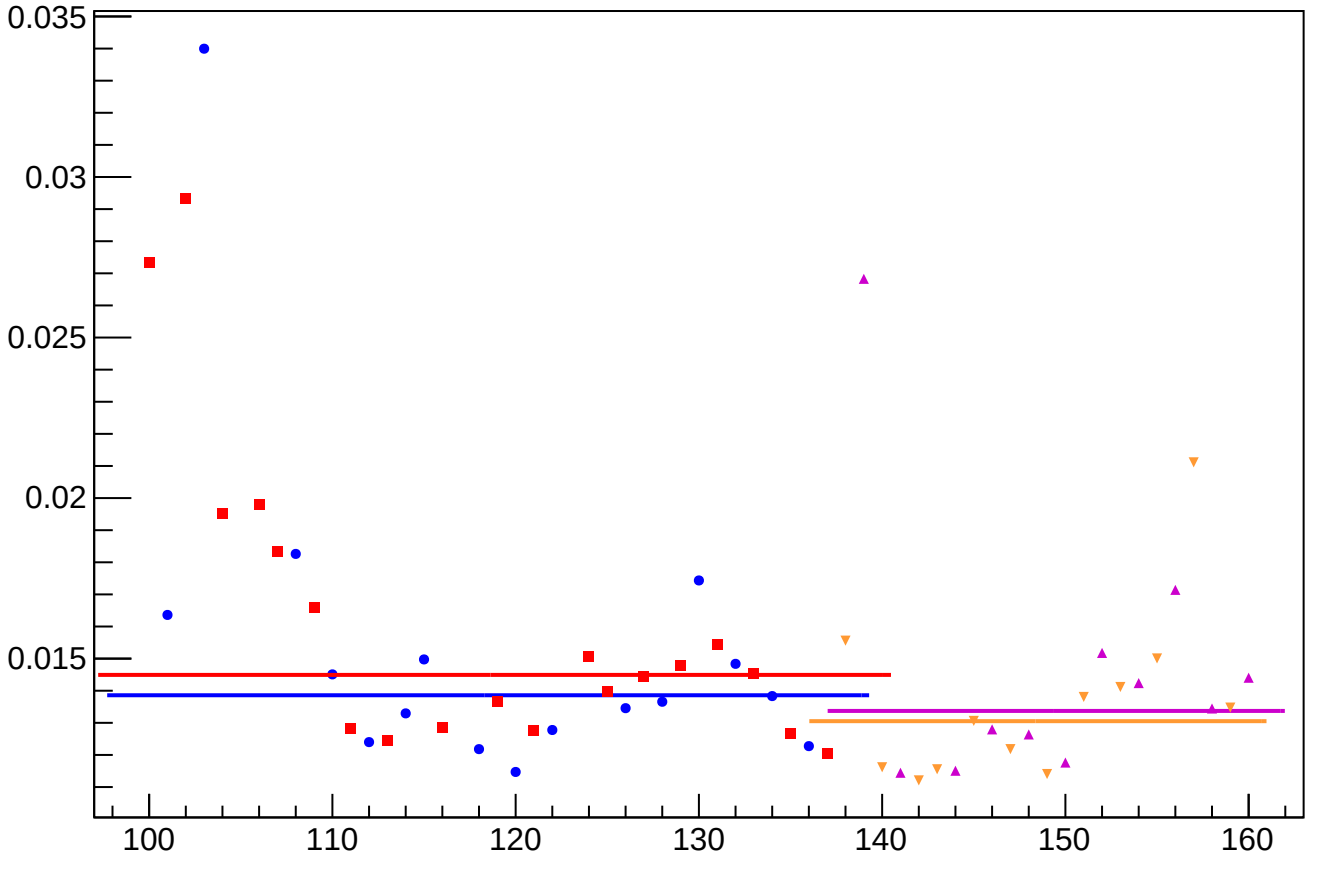
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.168+/-0.000 χ^2/NDF:3653538290.3/26

Out: 1.172+/-0.000 χ^2/NDF:4517695490.2/30

All: 1.170+/-0.000 χ^2/NDF: 8171862194.8/57

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:634629.0/10

Left: 0.013+/-0.000 χ^2/NDF: 1004055.4/22

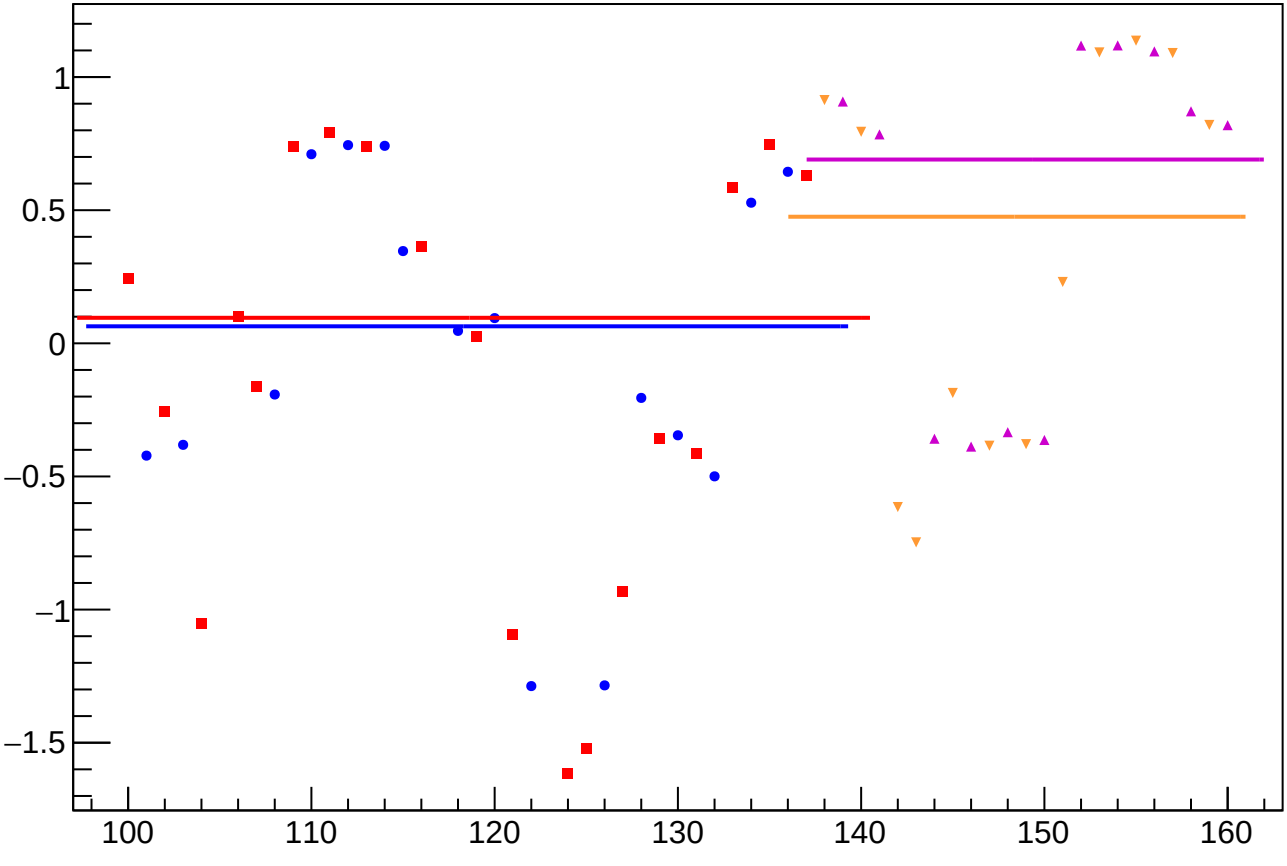
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1243682.0/26

Out: 0.014+/-0.000 χ^2/NDF:986105.8/30

All: 0.014+/-0.000 χ^2/NDF: 2229943.9/57

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: 0.690+/-0.000 χ^2/NDF:17362862543.9/10

Left: 0.587+/-0.000 χ^2/NDF: 44592323231.8/22

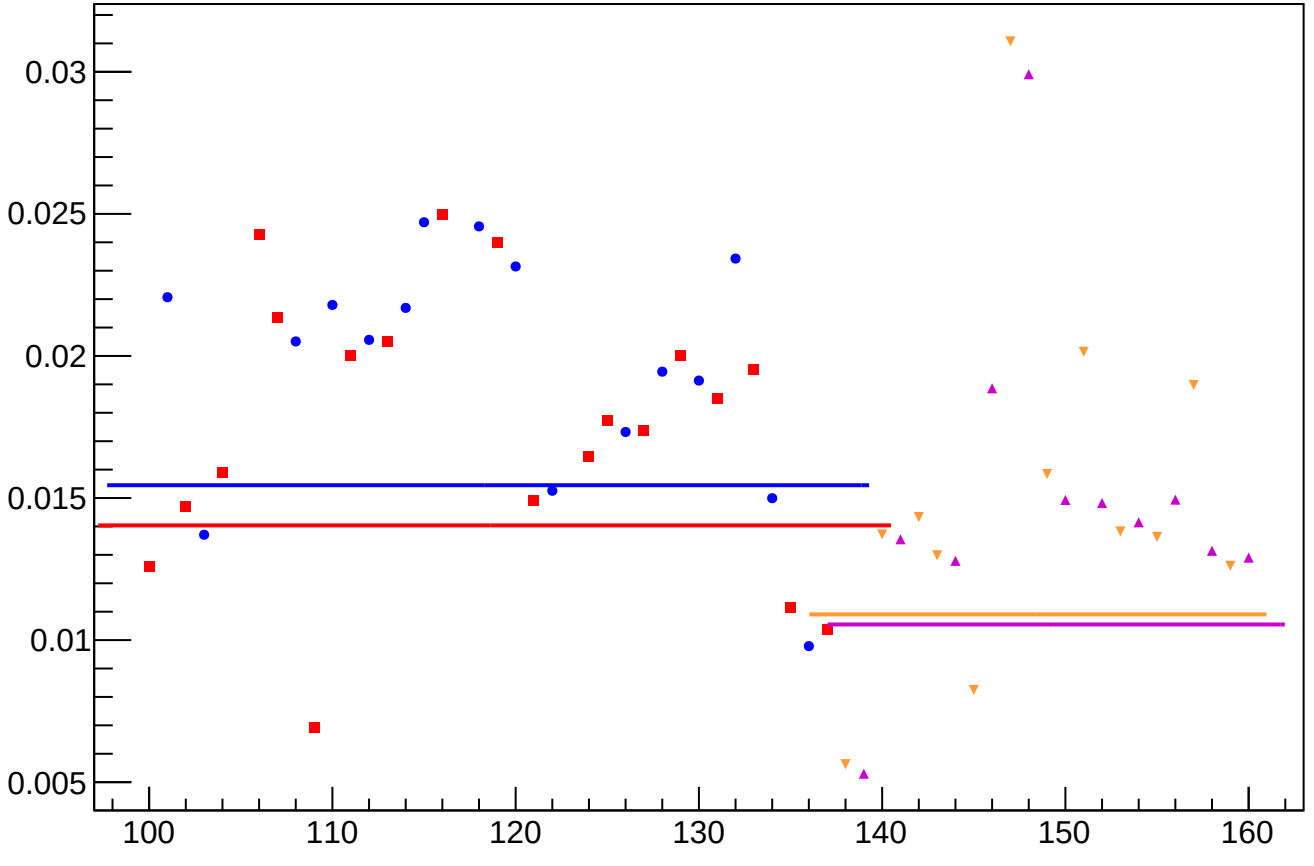
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.518+/-0.000 χ^2/NDF:35561391285.7/26

Out: 0.352+/-0.000 χ^2/NDF:46434912341.4/30

All: 0.435+/-0.000 χ^2/NDF: 83265586512.1/5

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: 0.011+/-0.000 χ^2/NDF:3312799.7/10

Left: 0.011+/-0.000 χ^2/NDF: 6279928.5/22

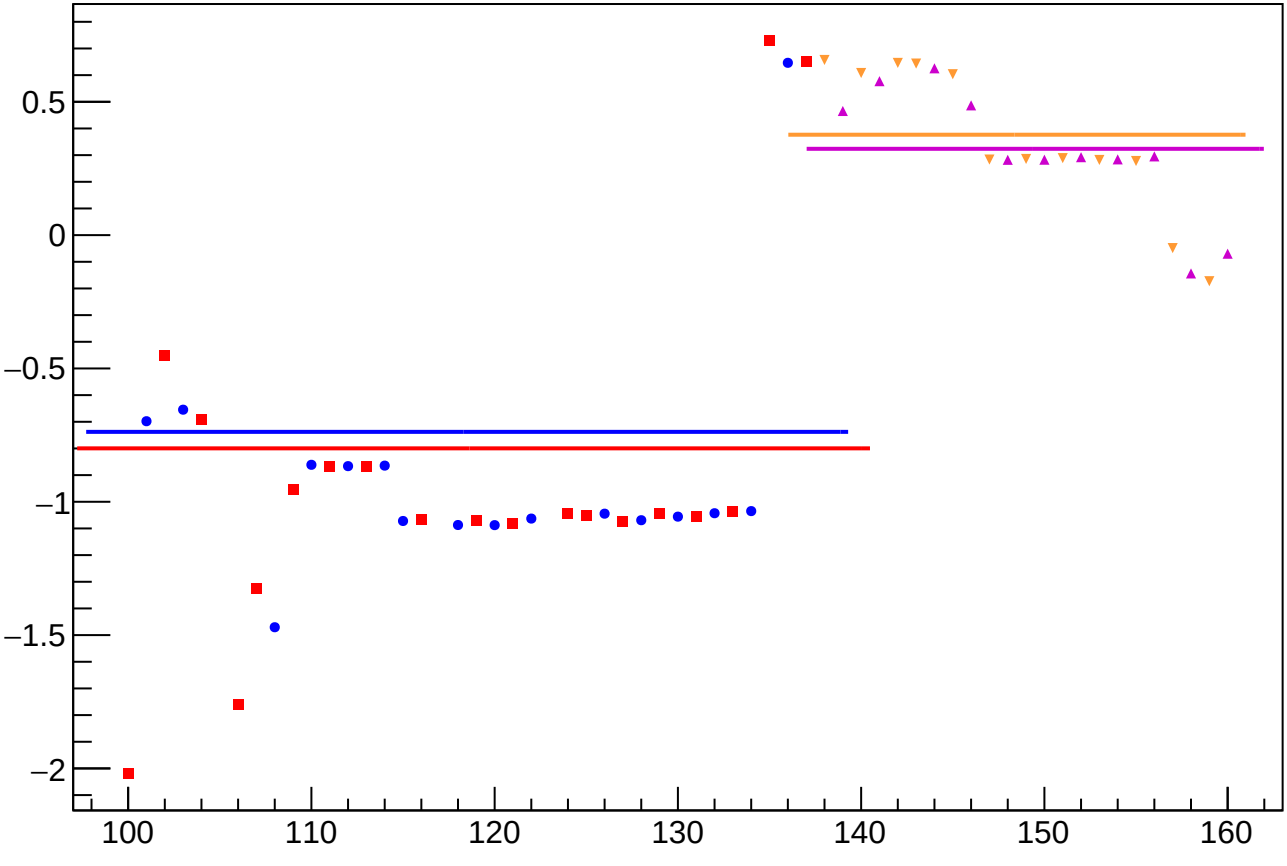
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5483514.5/26

Out: 0.012+/-0.000 χ^2/NDF:5040597.5/30

All: 0.012+/-0.000 χ^2/NDF: 10524189.2/57

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: 0.324+/-0.000 χ^2/NDF:392493959.8/10

Left: 0.351+/-0.000 χ^2/NDF: 854728292.6/22

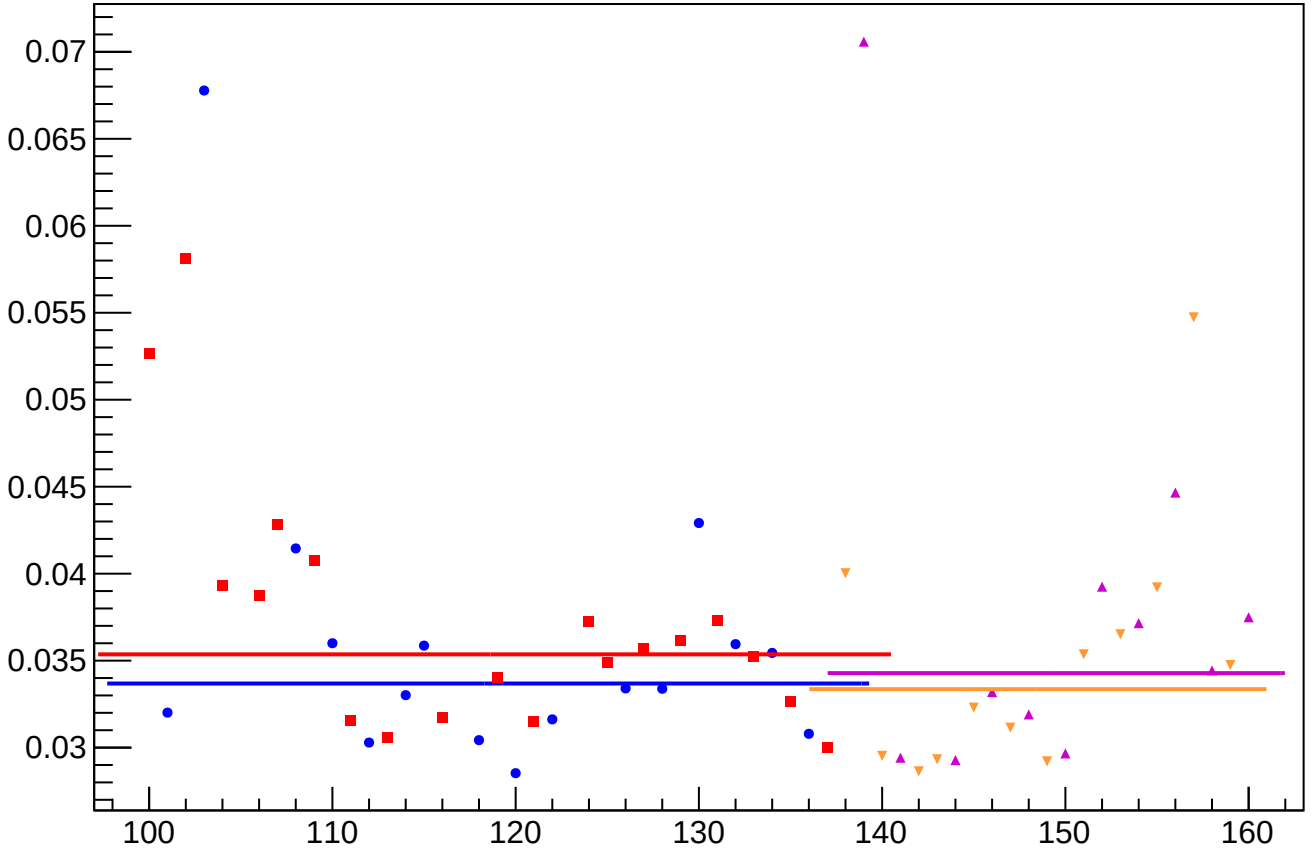
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.147+/-0.000 χ^2/NDF:5949252457.5/26

Out: -0.115+/-0.000 χ^2/NDF:6497953071.4/30

All: -0.131+/-0.000 χ^2/NDF: 12453358492.4/

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:685239.6/10

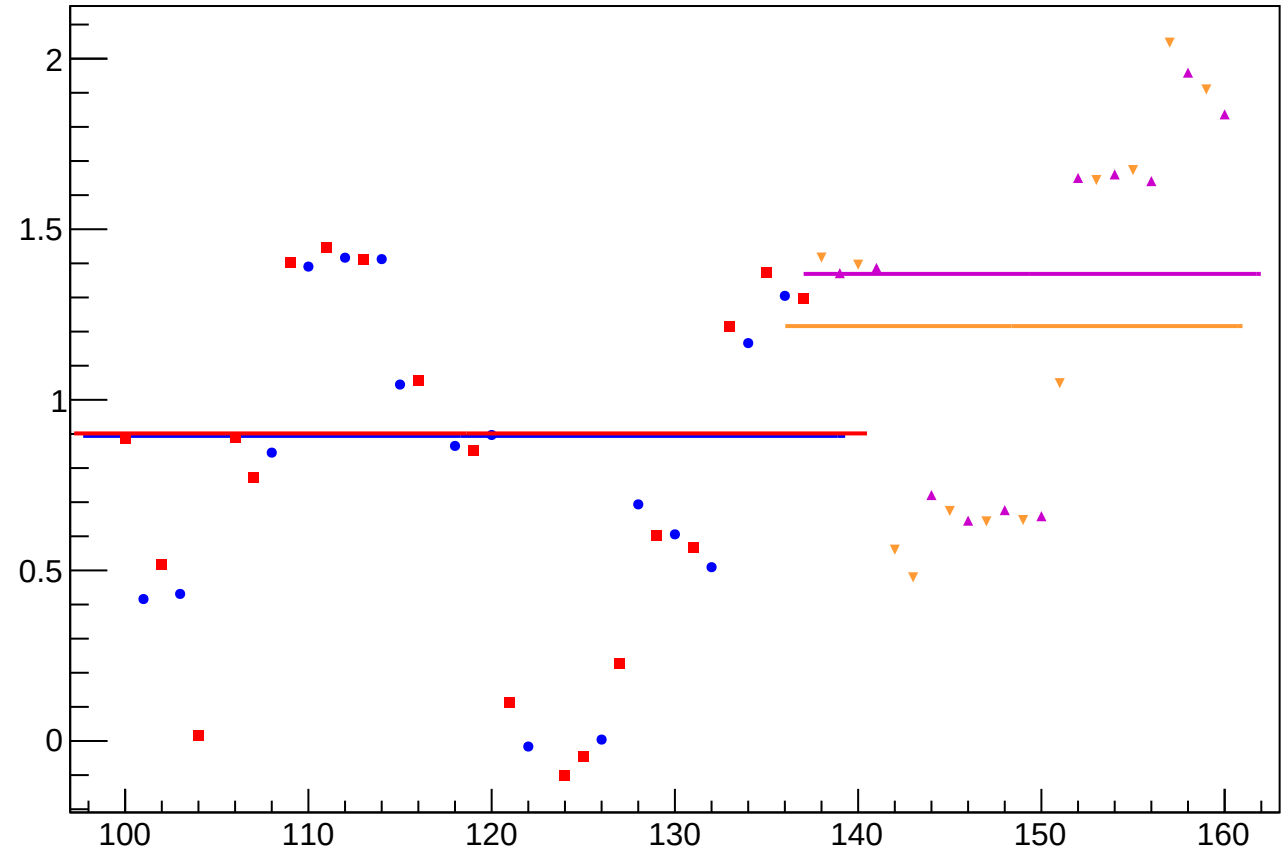
Left: 0.034+/-0.000 χ^2/NDF: 1082408.2/22

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1107671.1/26

Out: 0.034+/-0.000 χ^2/NDF:711608.4/30

All: 0.034+/-0.000 χ^2/NDF: 1819685.1/57



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: 1.369+/-0.000 χ^2/NDF:21340097471.8/10

Left: 1.293+/-0.000 χ^2/NDF: 51105275766.8/22

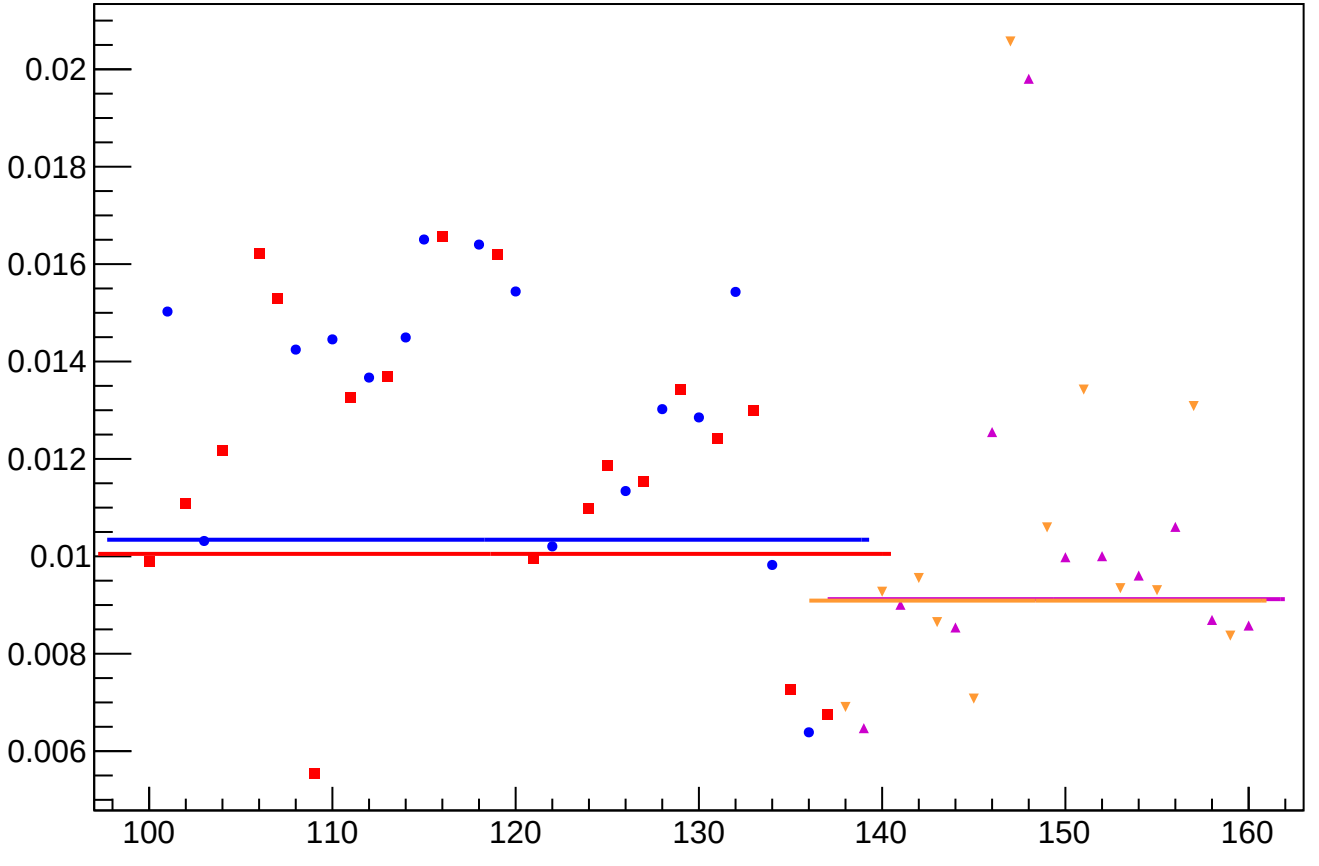
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.203+/-0.000 χ^2/NDF:42268899752.8/26

Out: 1.100+/-0.000 χ^2/NDF:50209440974.4/30

All: 1.151+/-0.000 χ^2/NDF: 93338499592.5/5

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:917001.6/10

Left: 0.009+/-0.000 χ^2/NDF: 2036893.1/22

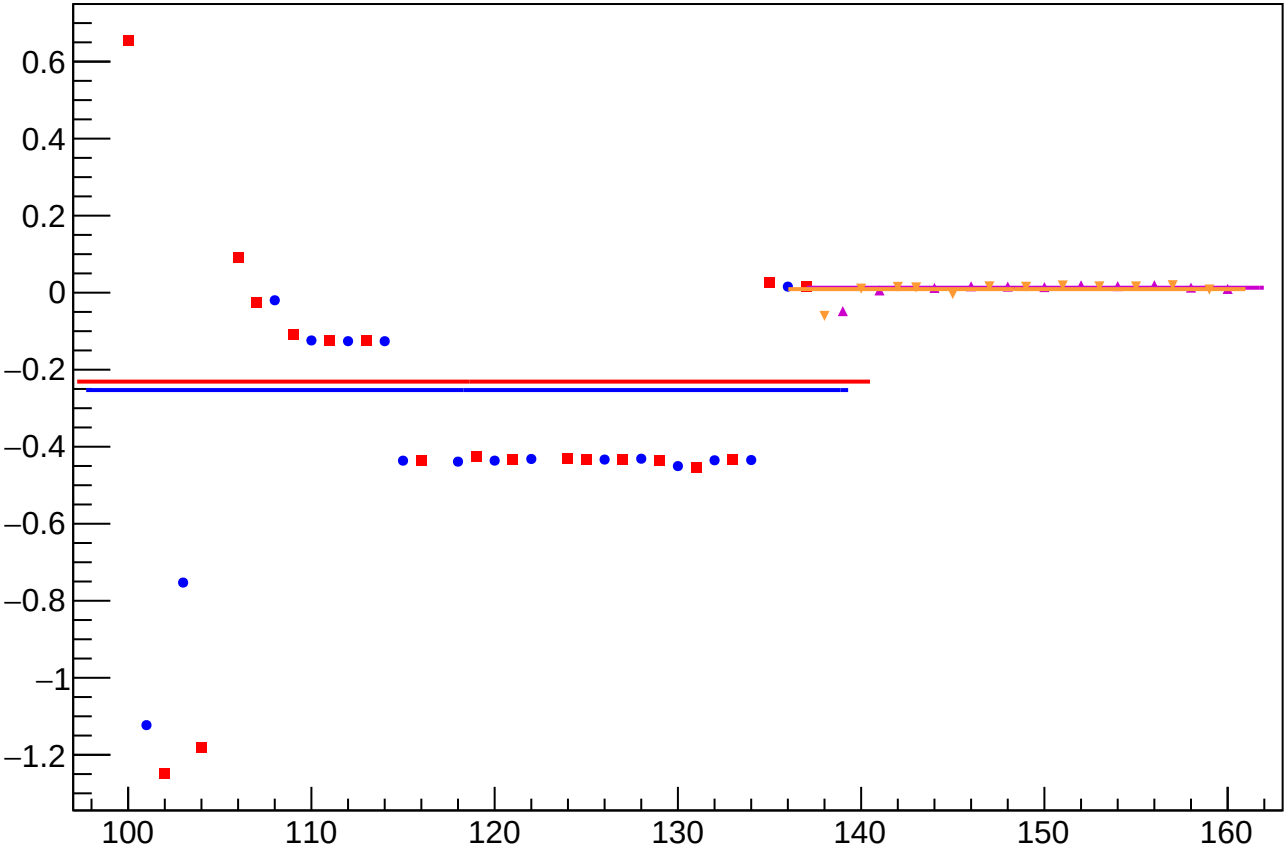
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2375446.5/26

Out: 0.009+/-0.000 χ^2/NDF:2526577.1/30

All: 0.009+/-0.000 χ^2/NDF: 4903692.7/57

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:5713341.3/10

Left: 0.011+/-0.000 χ^2/NDF: 27902264.9/22

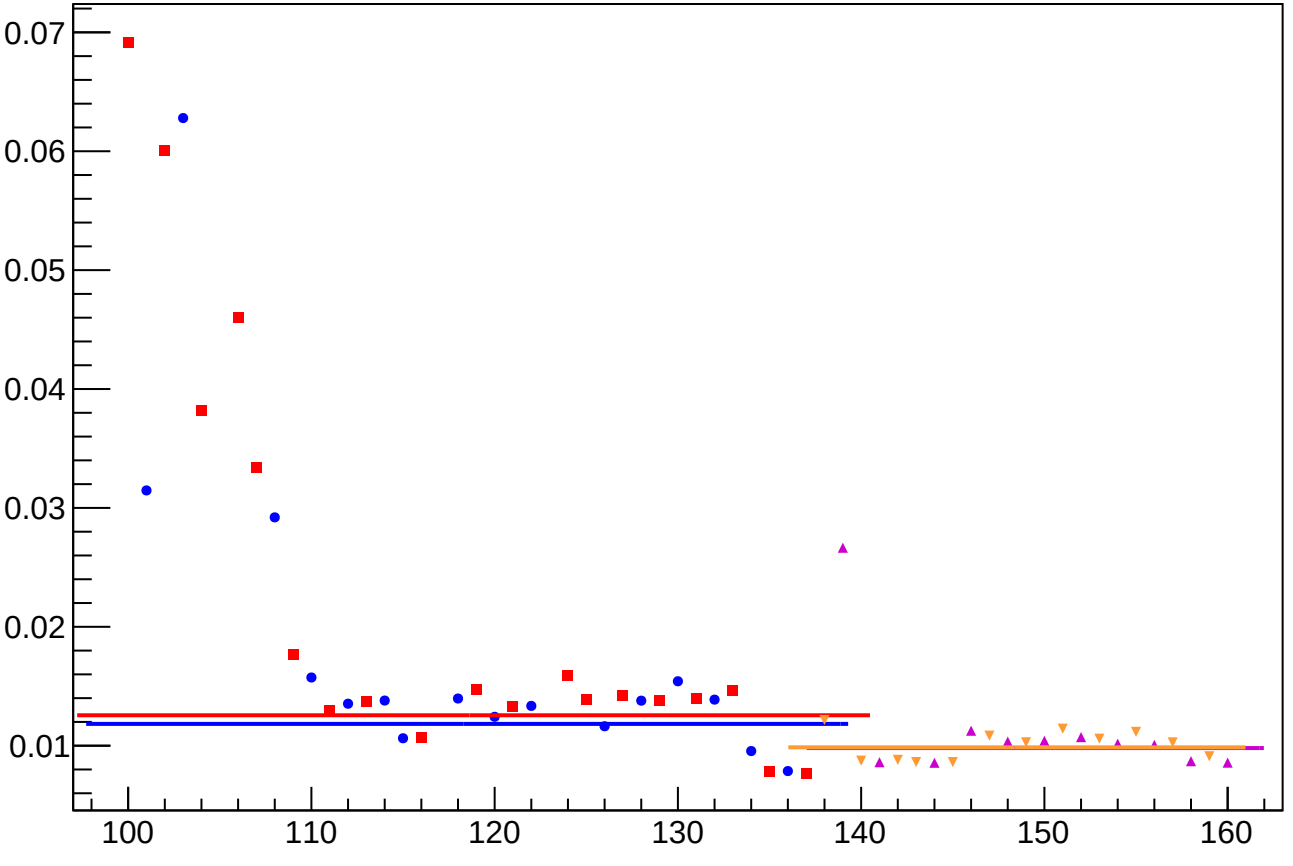
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.069+/-0.000 χ^2/NDF:3768027556.1/26

Out: -0.059+/-0.000 χ^2/NDF:3137942082.4/30

All: -0.064+/-0.000 χ^2/NDF: 6911016182.5/5

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:822327.0/10

Left: 0.010+/-0.000 χ^2/NDF: 1023490.8/22

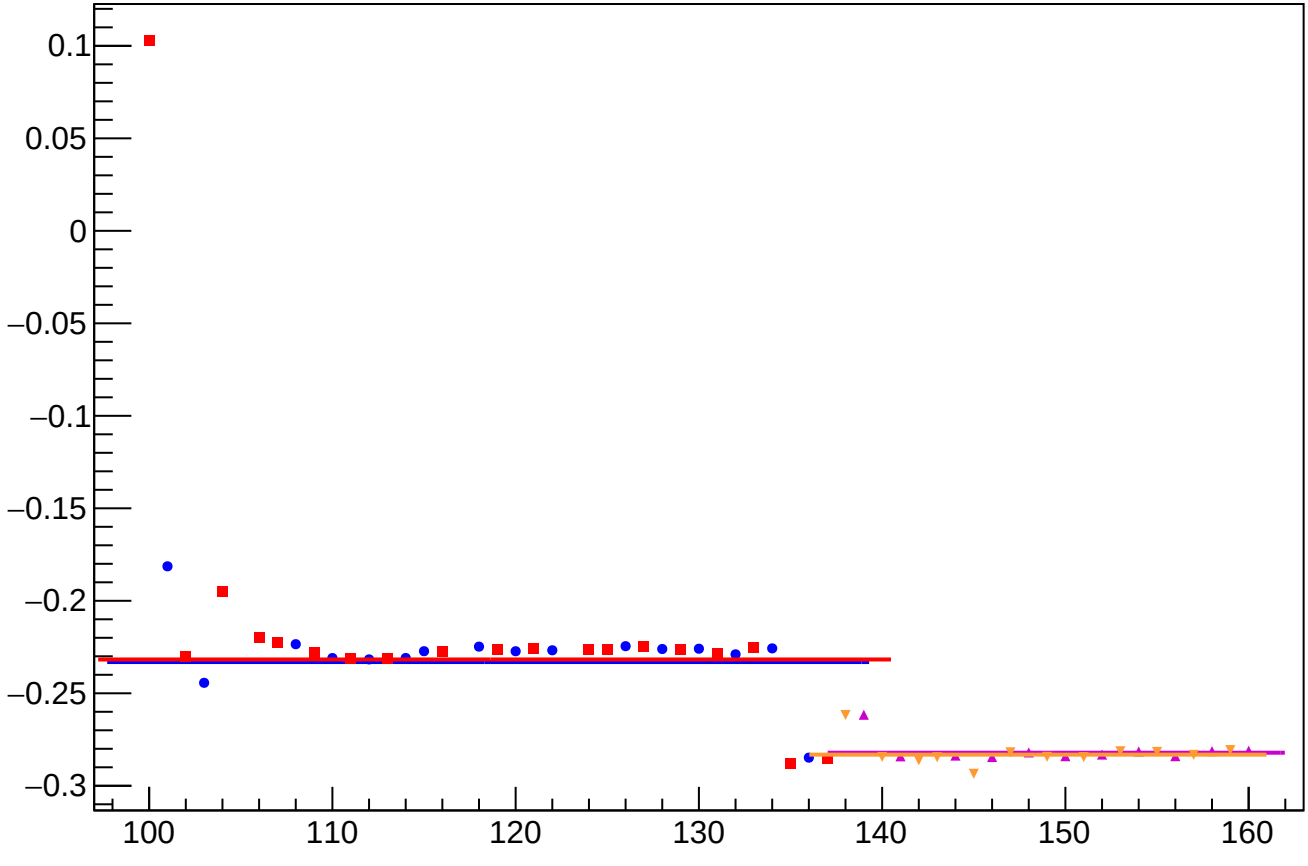
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:2968001.8/26

Out: 0.011+/-0.000 χ^2/NDF:2748543.2/30

All: 0.011+/-0.000 χ^2/NDF: 5721339.8/57

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:6303486.2/10

Left: -0.283+/-0.000 χ^2/NDF: 21465577.8/22

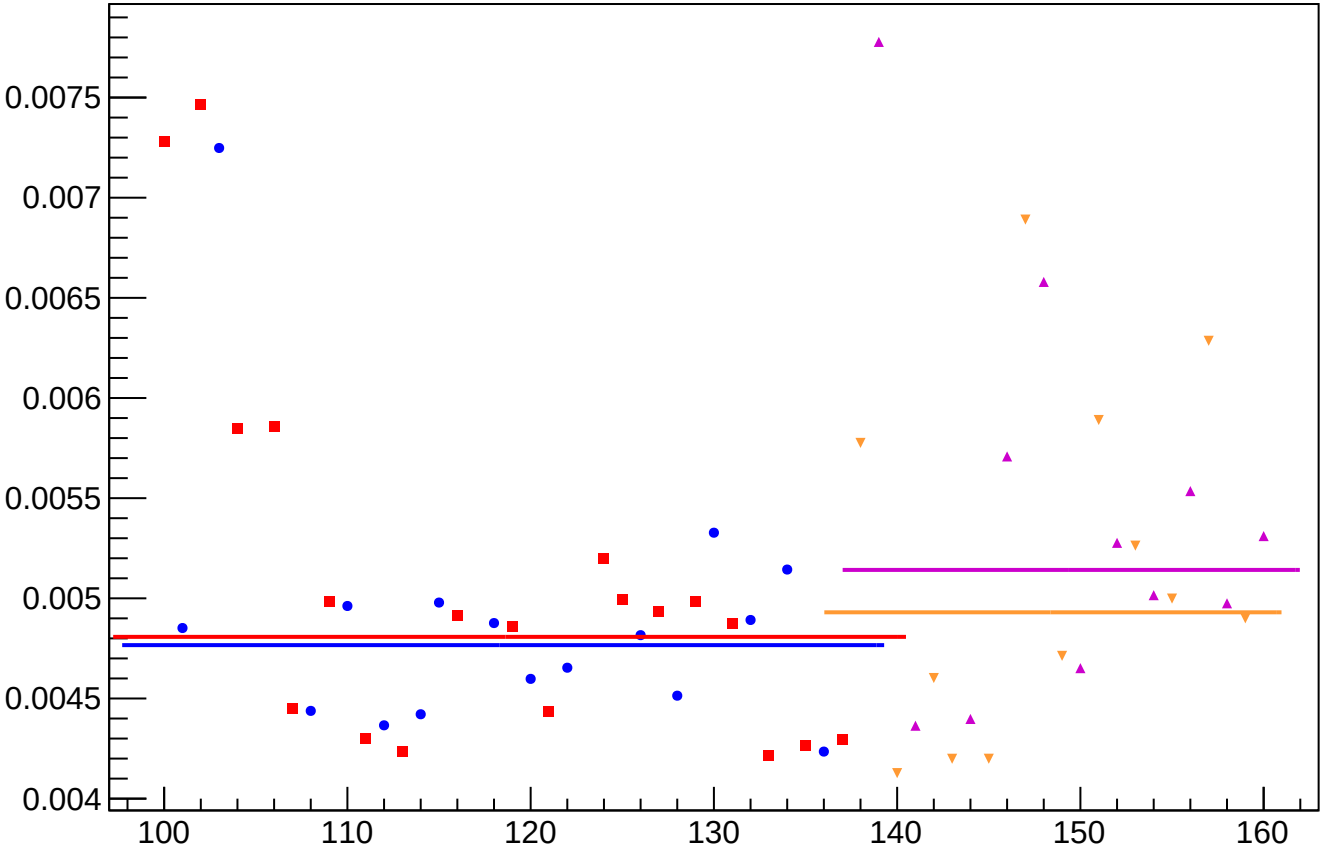
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.260+/-0.000 χ^2/NDF:573267268.1/26

Out: -0.260+/-0.000 χ^2/NDF:724944994.8/30

All: -0.260+/-0.000 χ^2/NDF: 1298275254.1/5

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:406967.6/10

Left: 0.005+/-0.000 χ^2/NDF: 851075.4/22

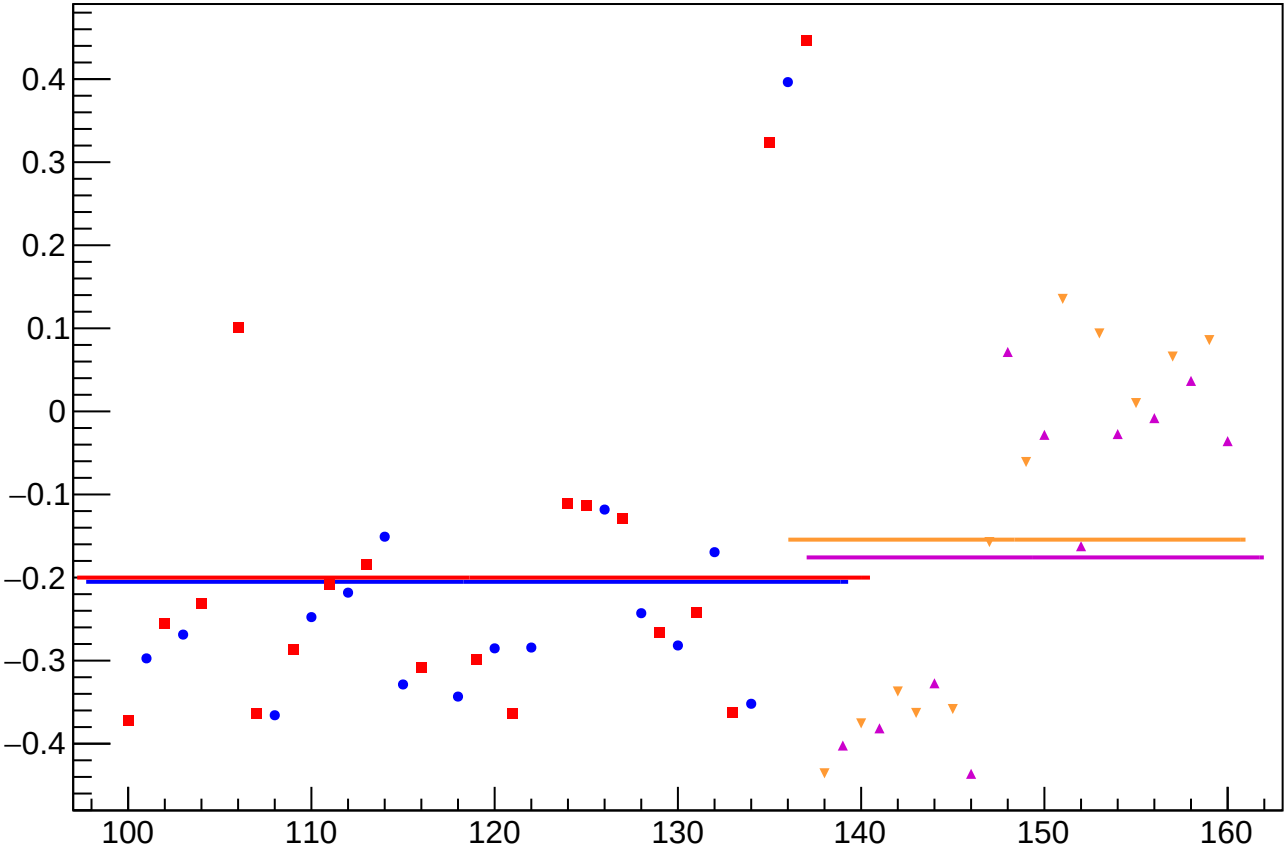
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:641917.5/26

Out: 0.005+/-0.000 χ^2/NDF:727227.9/30

All: 0.005+/-0.000 χ^2/NDF: 1374745.1/57

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: -0.176+/-0.000 χ^2/NDF:9014655212.8/10

Left: -0.165+/-0.000 χ^2/NDF: 22580661076.7/22

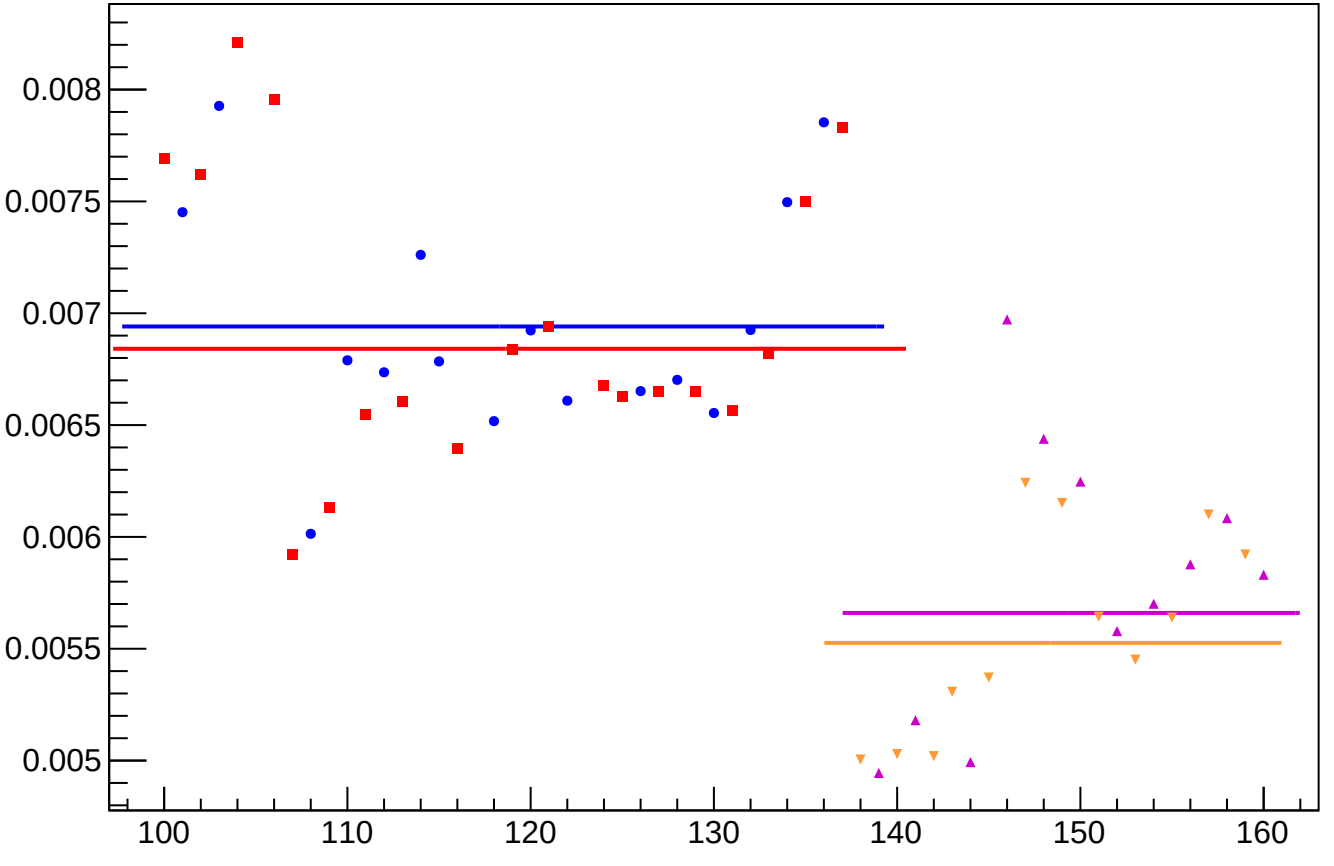
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.186+/-0.000 χ^2/NDF:15285686653.0/26

Out: -0.170+/-0.000 χ^2/NDF:18961552809.2/30

All: -0.178+/-0.000 χ^2/NDF: 34300426376.3/

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:176949.7/10

Left: 0.006+/-0.000 χ^2/NDF: 283146.4/22

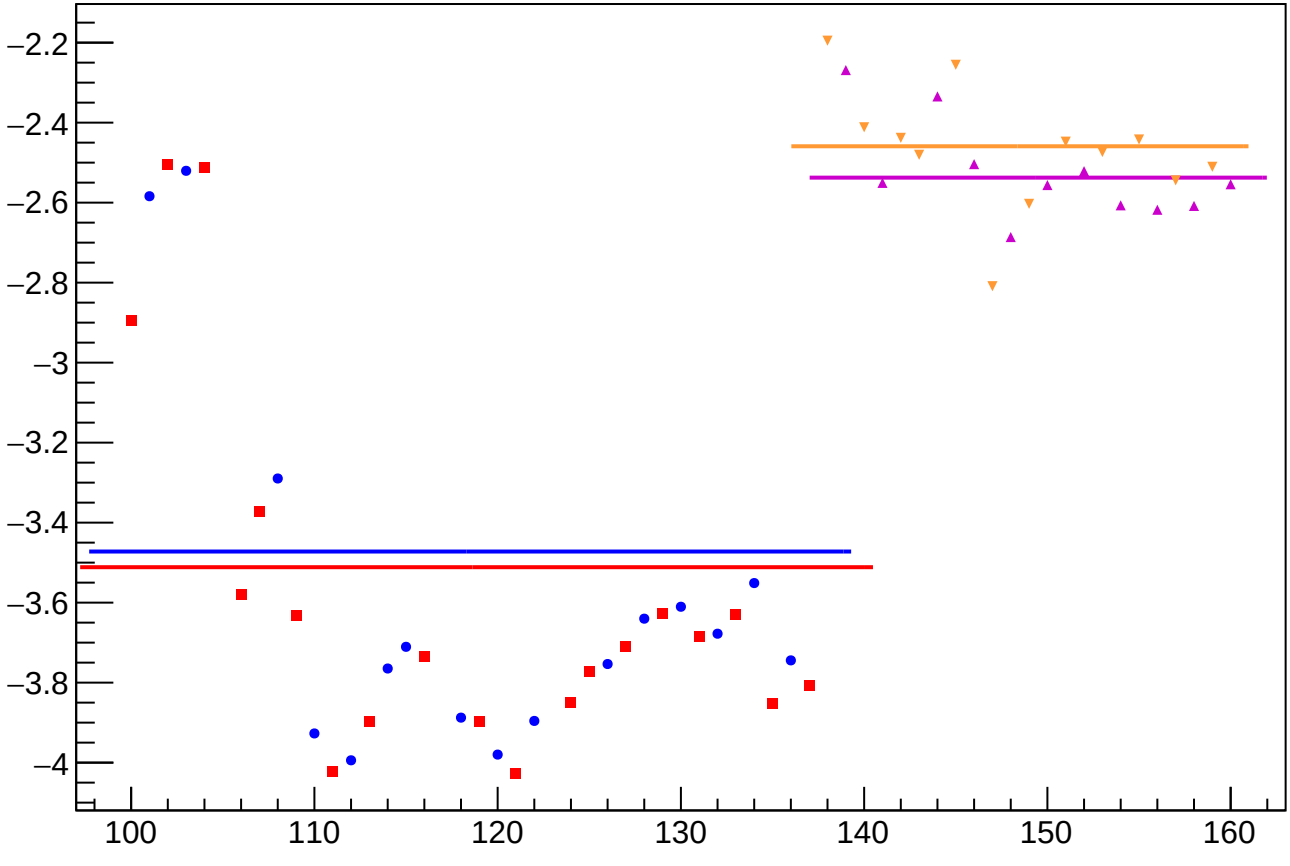
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:573447.7/26

Out: 0.006+/-0.000 χ^2/NDF:548200.1/30

All: 0.006+/-0.000 χ^2/NDF: 1128208.6/57

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: -2.538+/-0.000 χ^2/NDF:1276861853.1/10

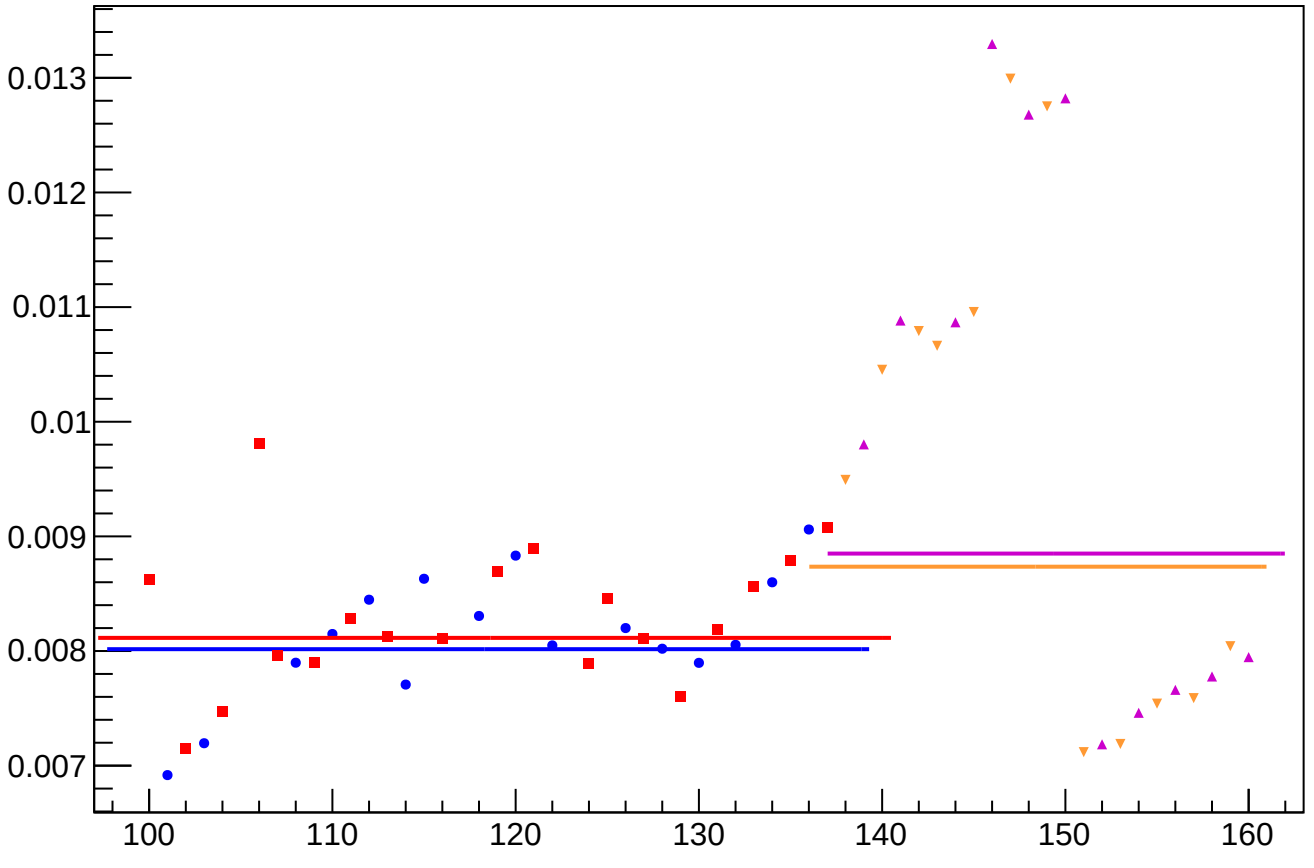
Left: -2.498+/-0.000 χ^2/NDF: 3185501767.6/22

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

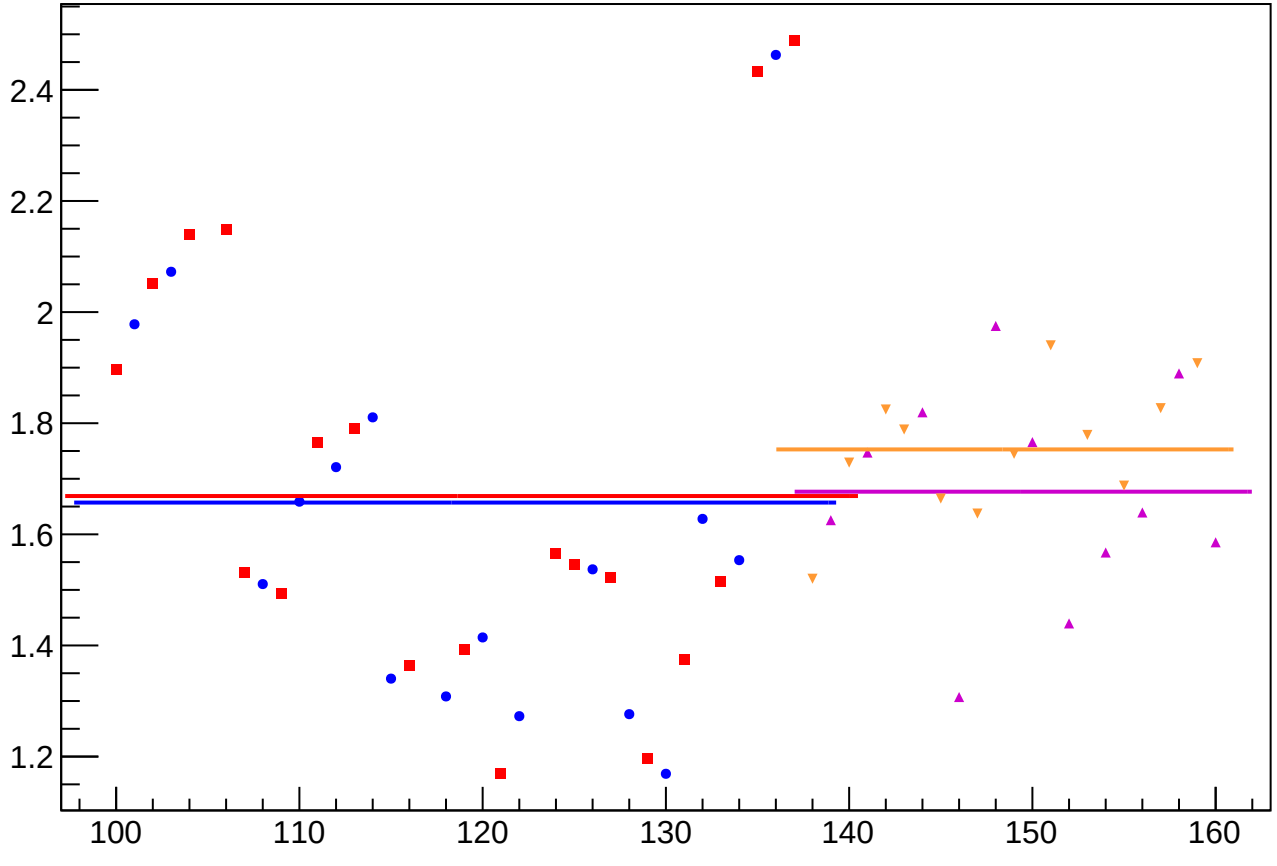
In: -3.005+/-0.000 χ^2/NDF:78307812357.1/26

Out: -2.978+/-0.000 χ^2/NDF:91985657996.5/30

All: -2.991+/-0.000 χ^2/NDF: 170378636412.7


yield_bpm0i02Y_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
110
120
130
140
150
160
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.009+/-0.000 χ²/NDF:715010.9/11
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.009+/-0.000 χ²/NDF:805839.4/10
Left: 0.009+/-0.000 χ²/NDF: 1522287.5/22
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.008+/-0.000 χ²/NDF:967588.4/26
Out: 0.008+/-0.000 χ²/NDF:828347.2/30
All: 0.008+/-0.000 χ²/NDF: 1795937.3/57

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: 1.677+/-0.000 χ^2/NDF:1859135923.1/10

Left: 1.716+/-0.000 χ^2/NDF: 2957235954.2/22

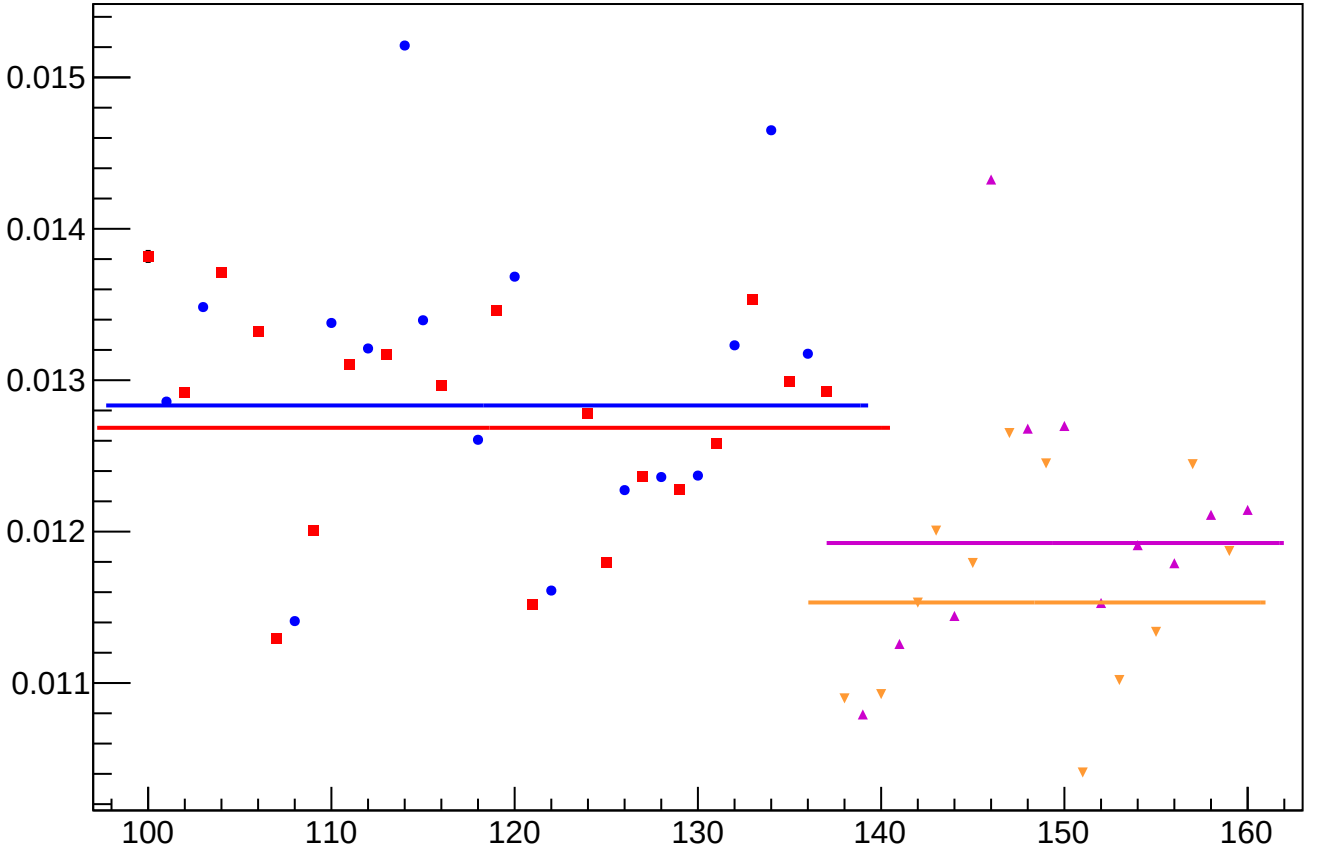
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.669+/-0.000 χ^2/NDF:8534975576.6/26

Out: 1.719+/-0.000 χ^2/NDF:7458286875.3/30

All: 1.695+/-0.000 χ^2/NDF: 16131011835.0/5

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:85632.5/10

Left: 0.012+/-0.000 χ^2/NDF: 159824.9/22

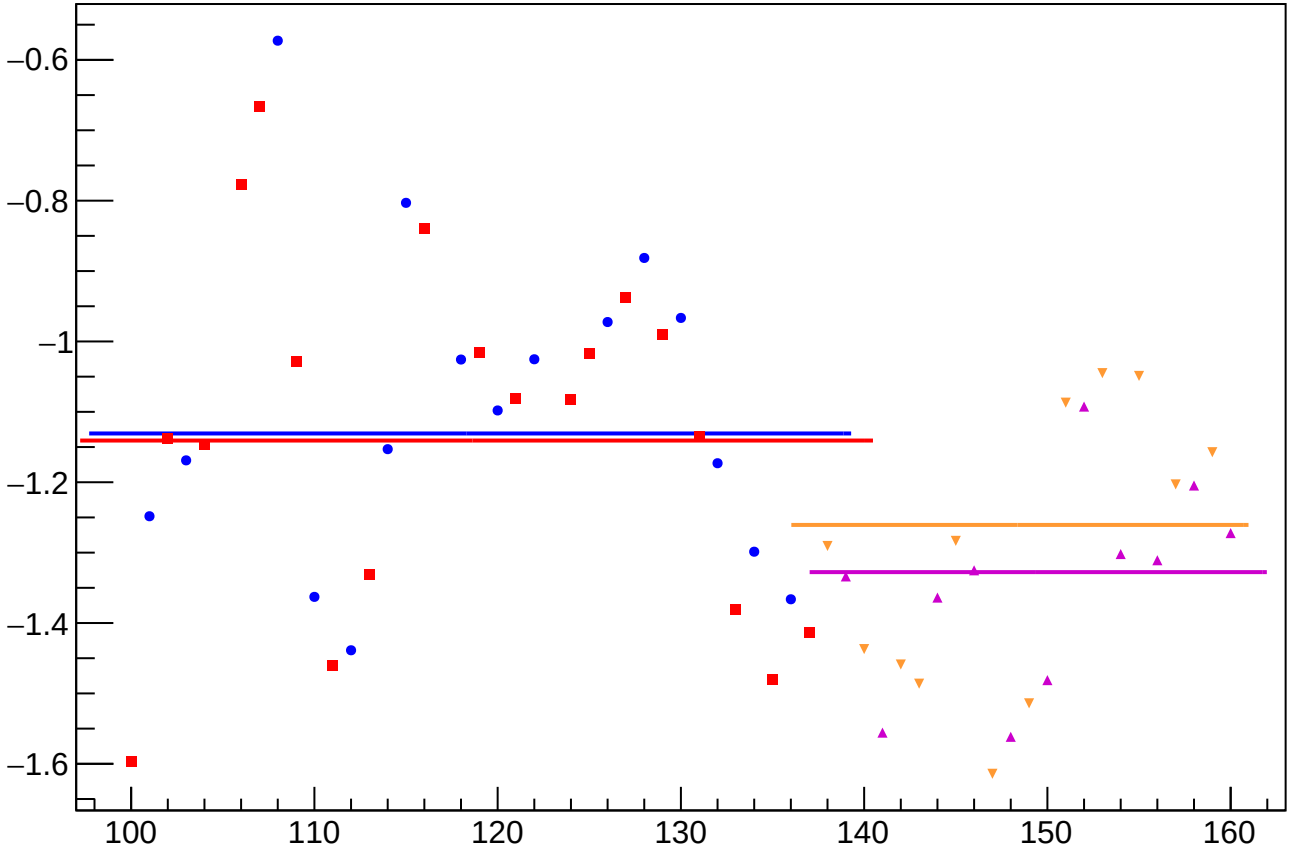
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:179857.5/26

Out: 0.012+/-0.000 χ^2/NDF:179087.2/30

All: 0.012+/-0.000 χ^2/NDF: 368731.6/57

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: -1.328+/-0.000 χ^2/NDF:2047084749.9/10

Left: -1.293+/-0.000 χ^2/NDF: 6362329696.3/22

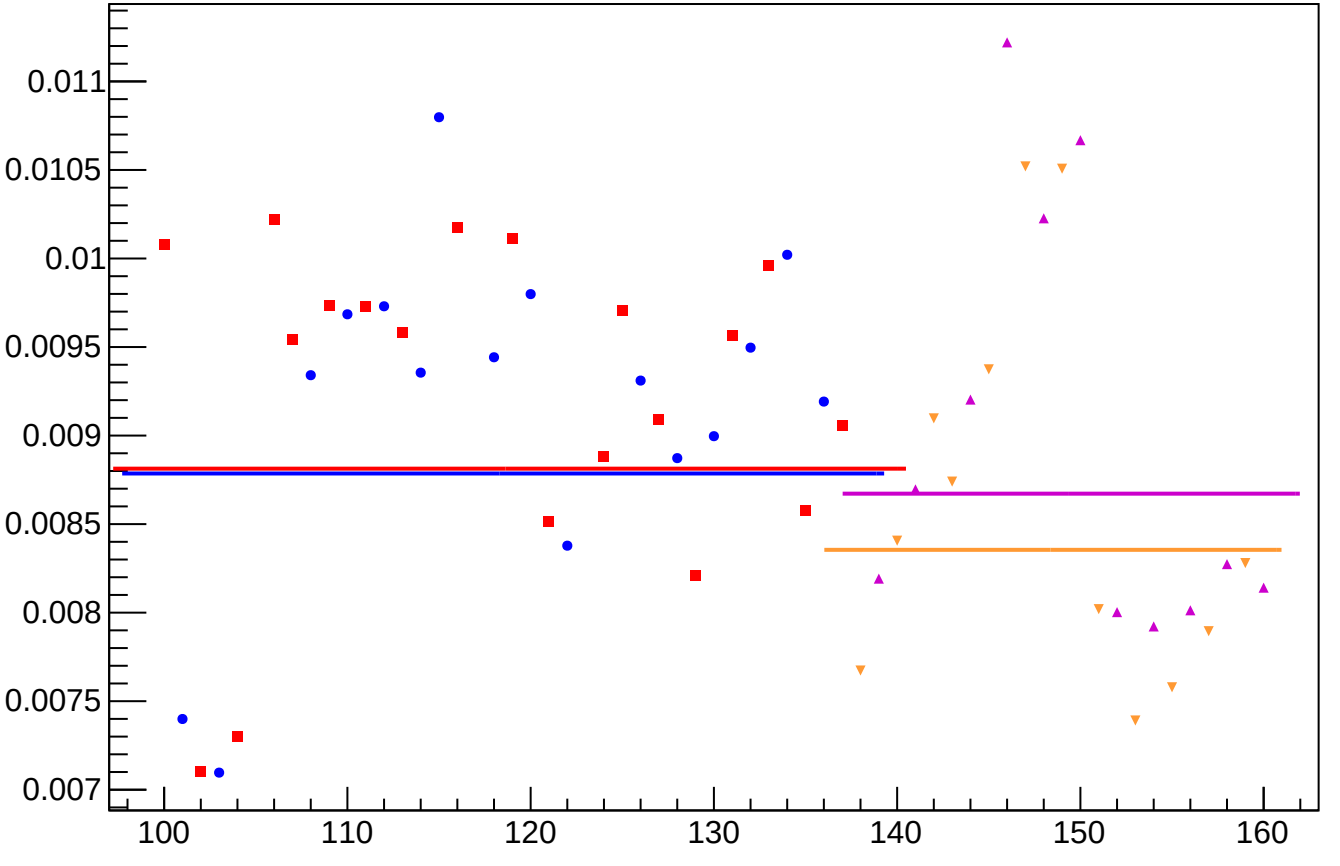
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.242+/-0.000 χ^2/NDF:7783336512.2/26

Out: -1.210+/-0.000 χ^2/NDF:8335596746.8/30

All: -1.226+/-0.000 χ^2/NDF: 16224377436.8/

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:217119.1/10

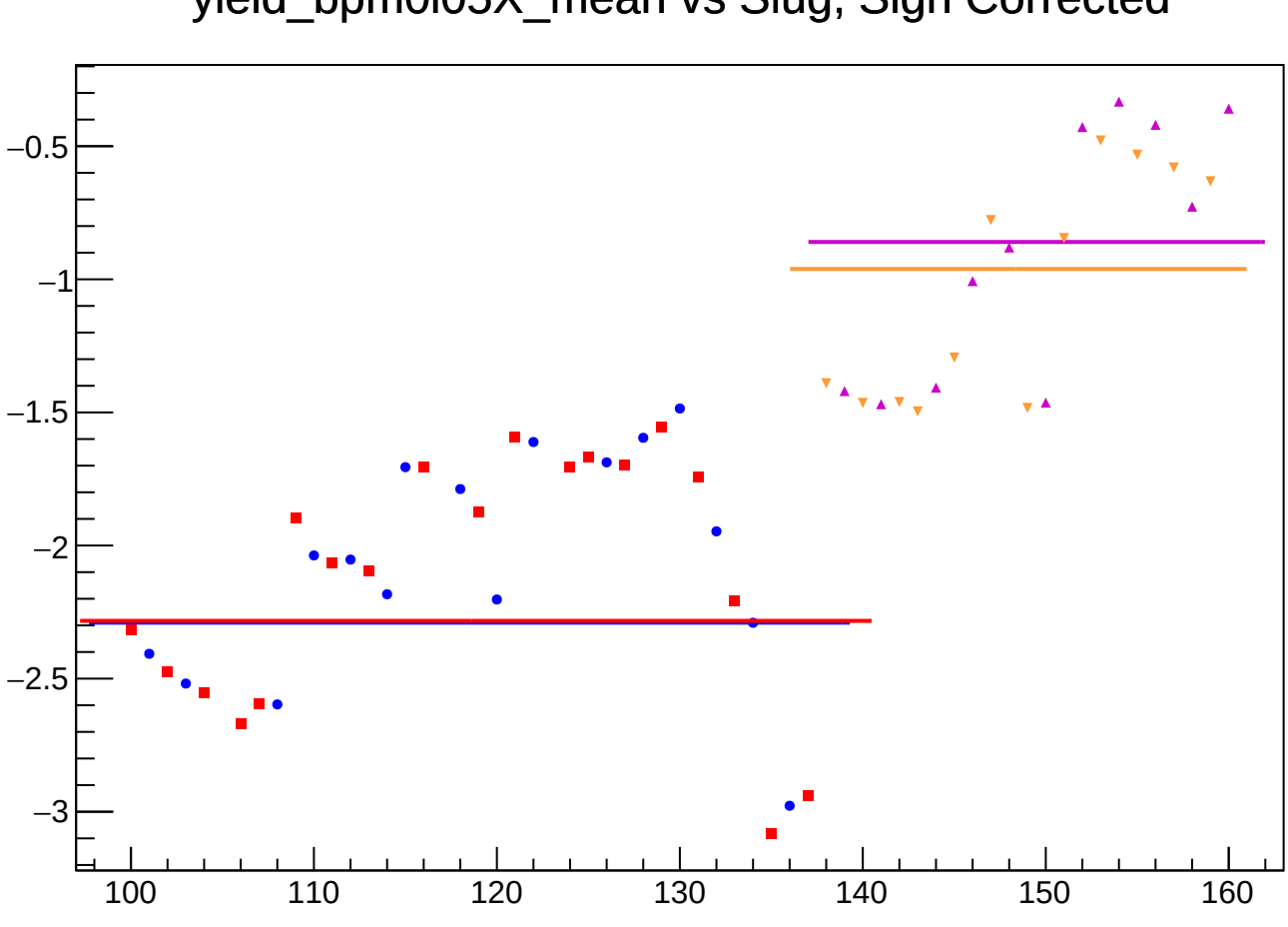
Left: 0.009+/-0.000 χ^2/NDF: 433828.4/22

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

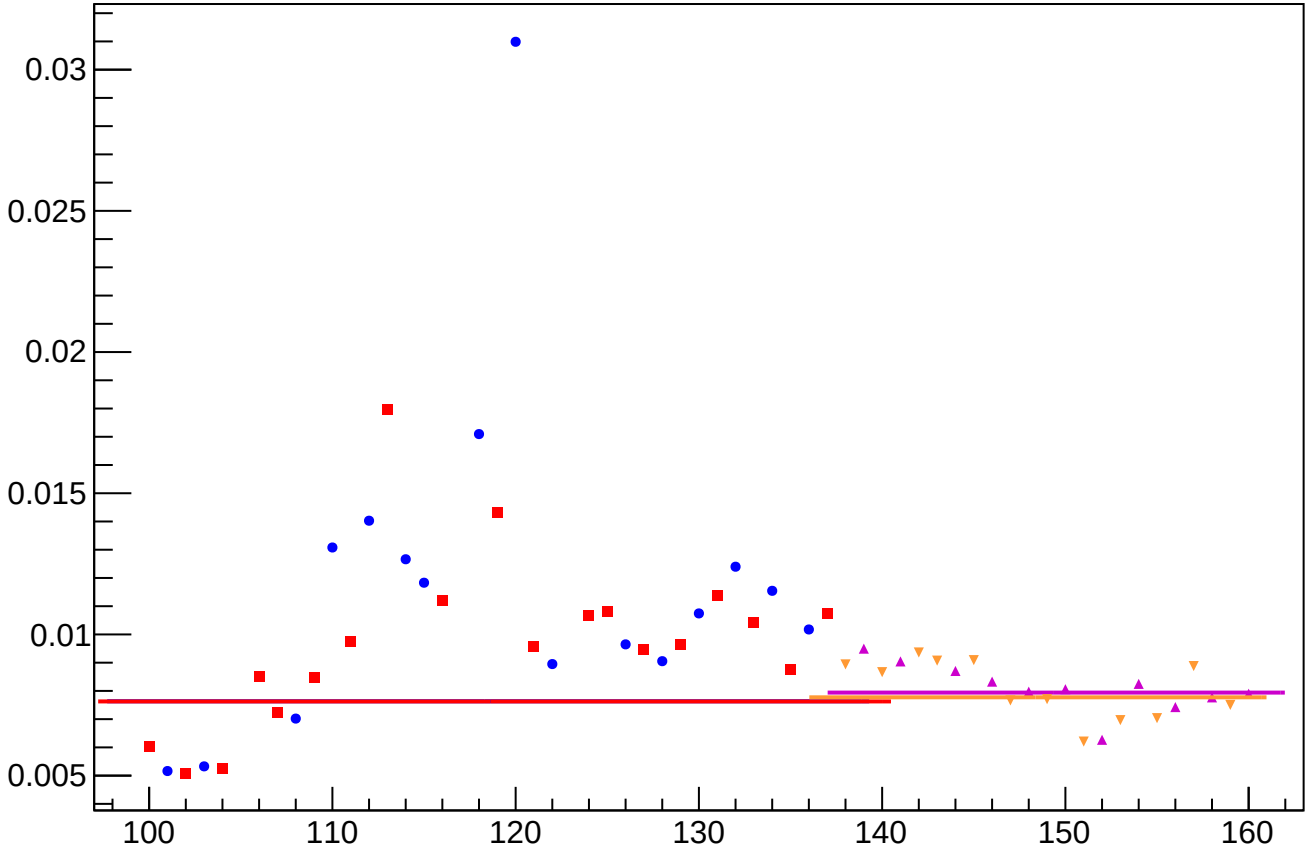
In: 0.009+/-0.000 χ^2/NDF:391899.1/26

Out: 0.009+/-0.000 χ^2/NDF:430926.4/30

All: 0.009+/-0.000 χ^2/NDF: 829141.1/57


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.961+/-0.000 χ²/NDF:21348583584.0/11
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.860+/-0.000 χ²/NDF:26032664929.2/10
Left: -0.911+/-0.000 χ²/NDF: 48056902196.5/22
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.435+/-0.000 χ²/NDF:147836764940.8/26
Out: -1.511+/-0.000 χ²/NDF:135640107653.5/30
All: -1.474+/-0.000 χ²/NDF: 284108207367.1

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:200987.3/10

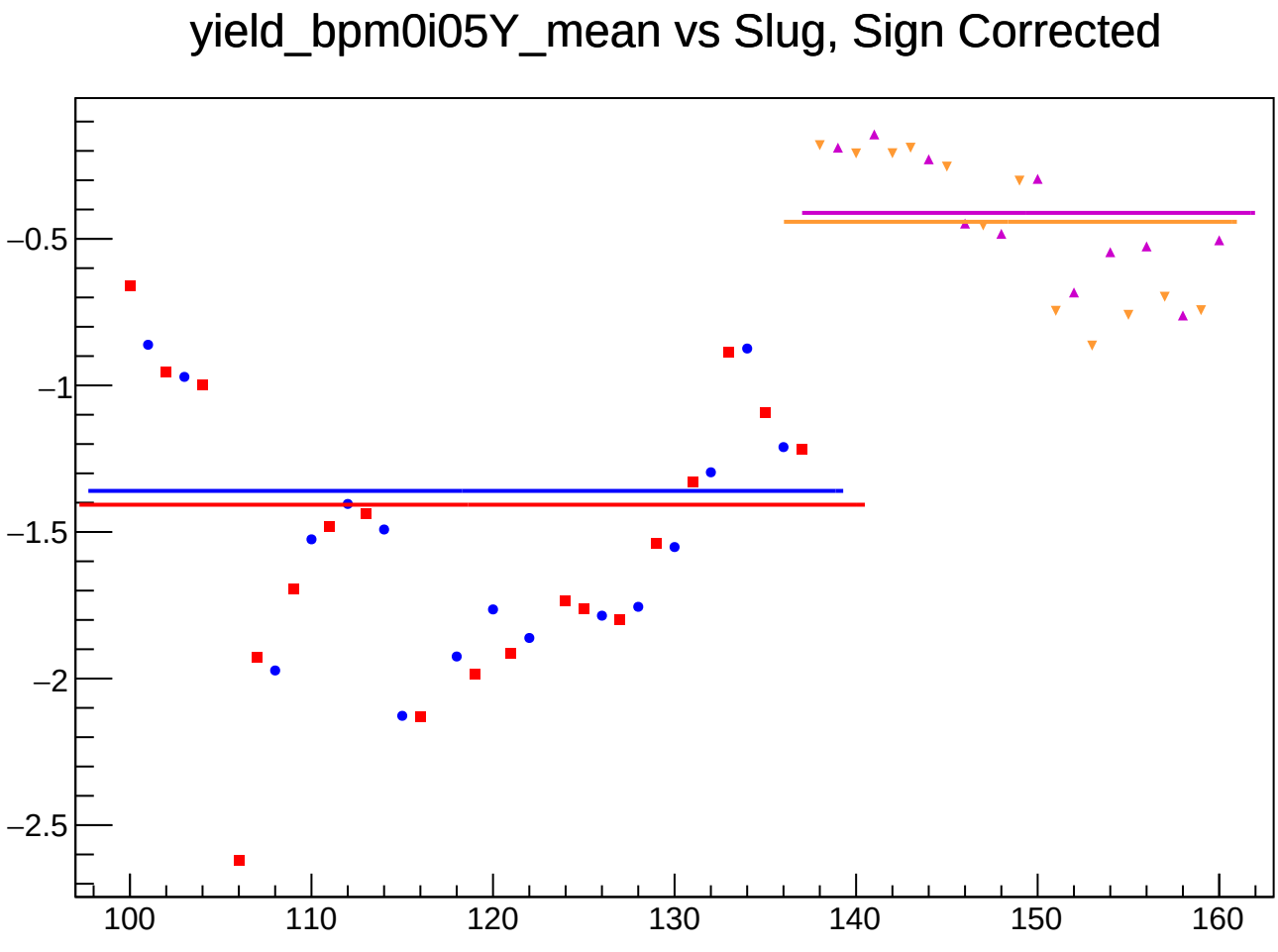
Left: 0.008+/-0.000 χ^2/NDF: 473271.6/22

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1921661.4/26

Out: 0.008+/-0.000 χ^2/NDF:1588674.9/30

All: 0.008+/-0.000 χ^2/NDF: 3512756.2/57



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.442+/-0.000 χ^2/NDF:27396261473.3/11

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.411+/-0.000 χ^2/NDF:15439170158.5/10

Left: -0.427+/-0.000 χ^2/NDF: 43020792182.9/22

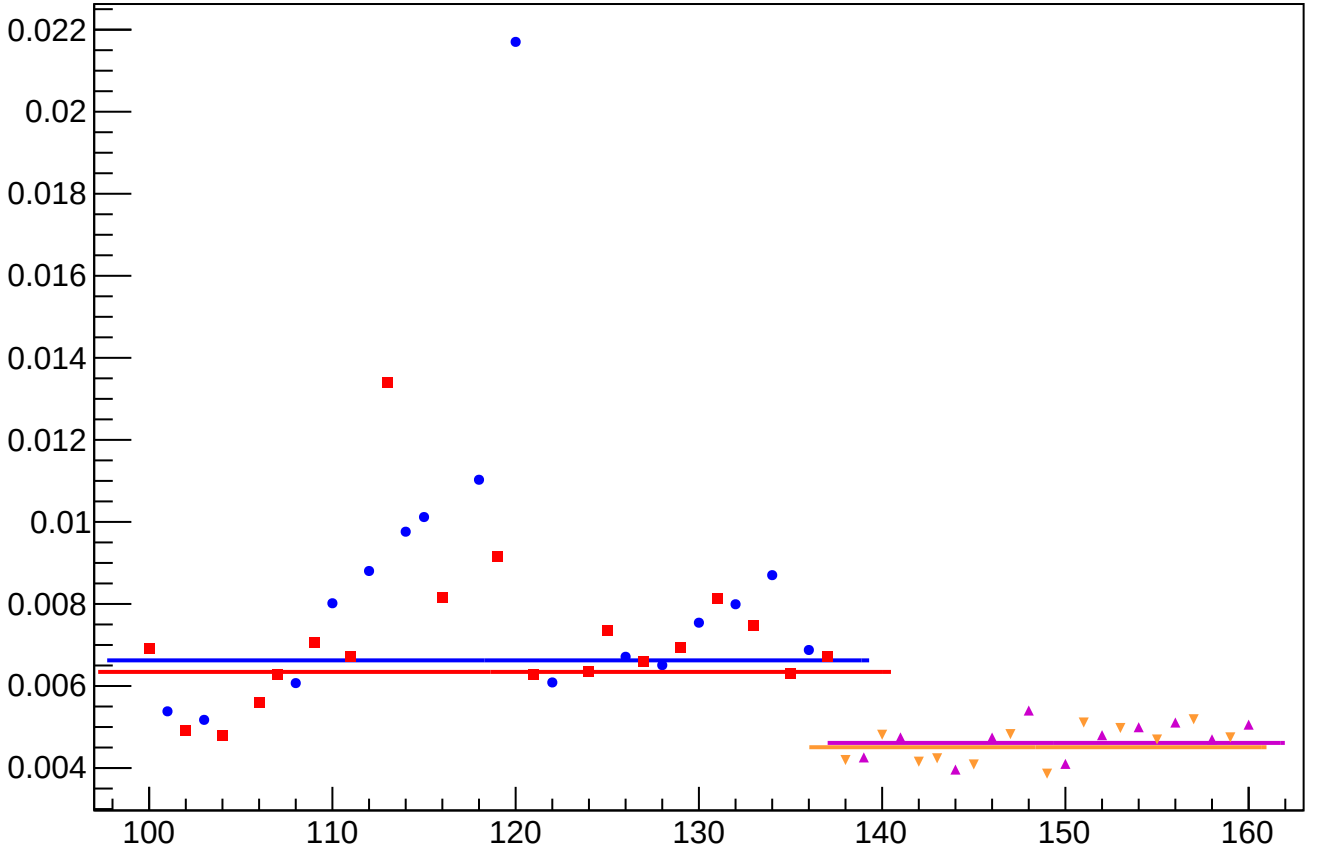
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.650+/-0.000 χ^2/NDF:125745753517.6/26

Out: -0.702+/-0.000 χ^2/NDF:160632605428.8/30

All: -0.677+/-0.000 χ^2/NDF: 287132054895.

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:147272.8/10

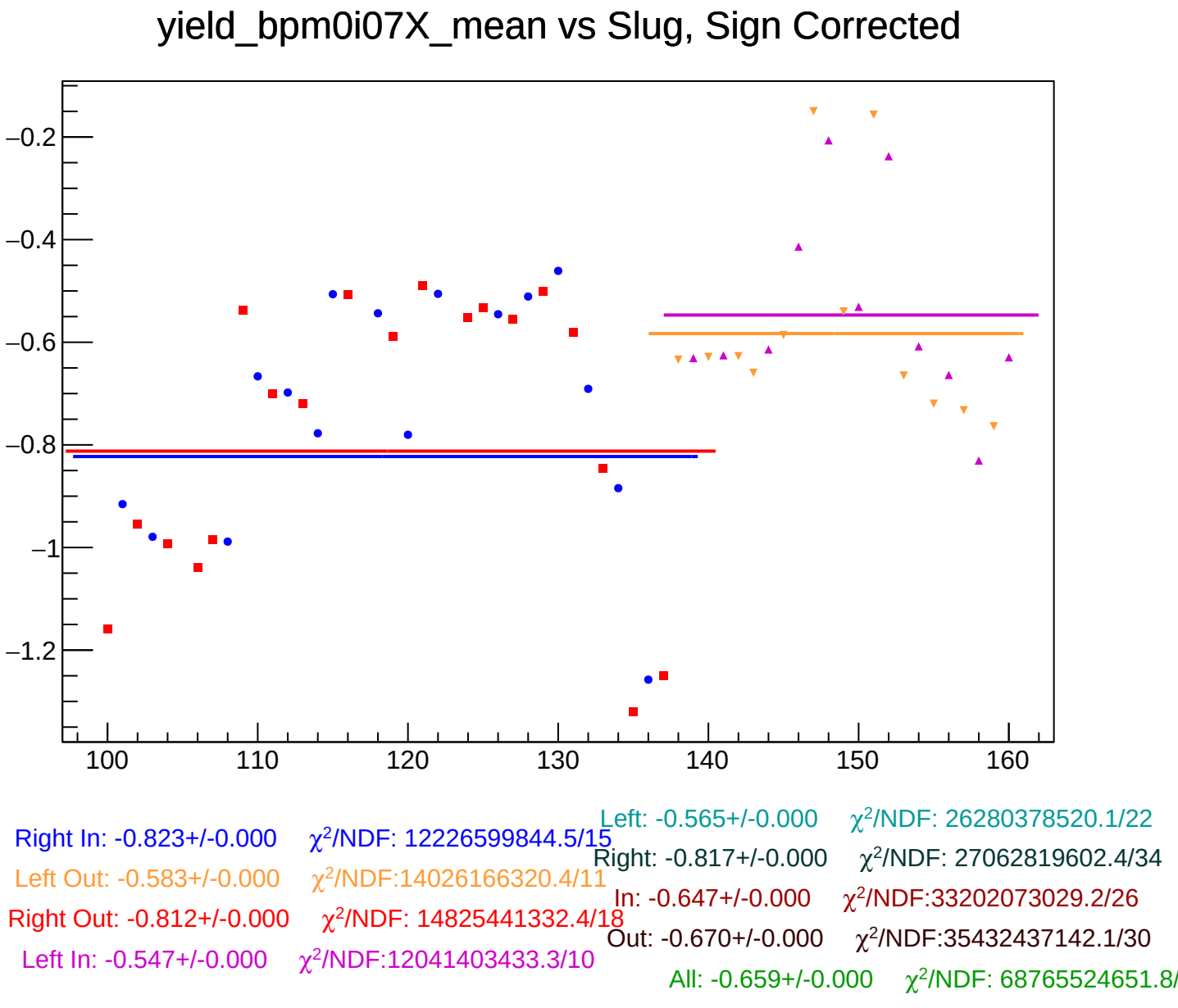
Left: 0.005+/-0.000 χ^2/NDF: 301995.4/22

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

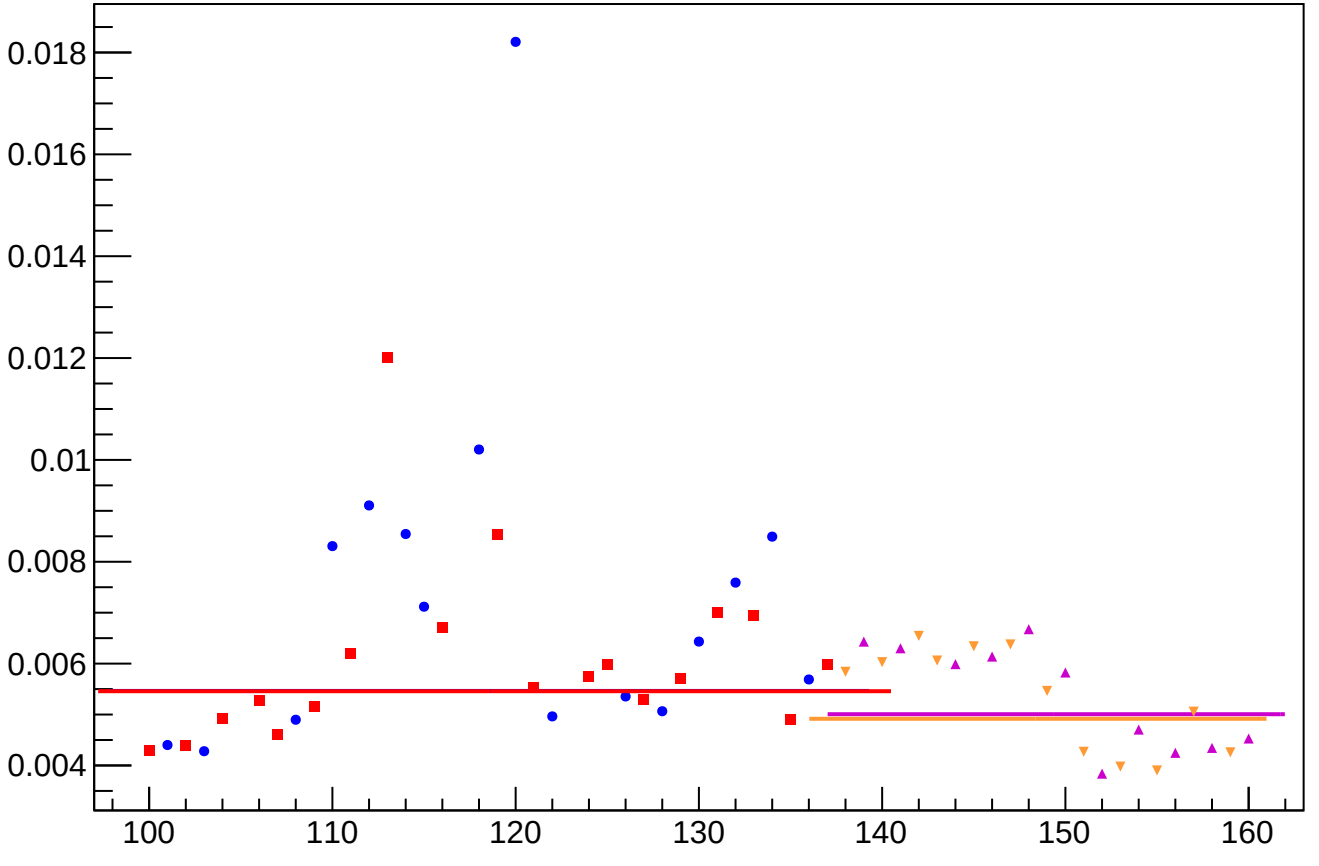
In: 0.005+/-0.000 χ^2/NDF:1640938.7/26

Out: 0.005+/-0.000 χ^2/NDF:1427963.9/30

All: 0.005+/-0.000 χ^2/NDF: 3076095.6/57


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: -0.547+/-0.000 χ²/NDF:12041403433.3/10
Left: -0.565+/-0.000 χ²/NDF: 26280378520.1/22
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.647+/-0.000 χ²/NDF:33202073029.2/26
Out: -0.670+/-0.000 χ²/NDF:35432437142.1/30
All: -0.659+/-0.000 χ²/NDF: 68765524651.8/

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:610721.5/10

Left: 0.005+/-0.000 χ^2/NDF: 1210224.6/22

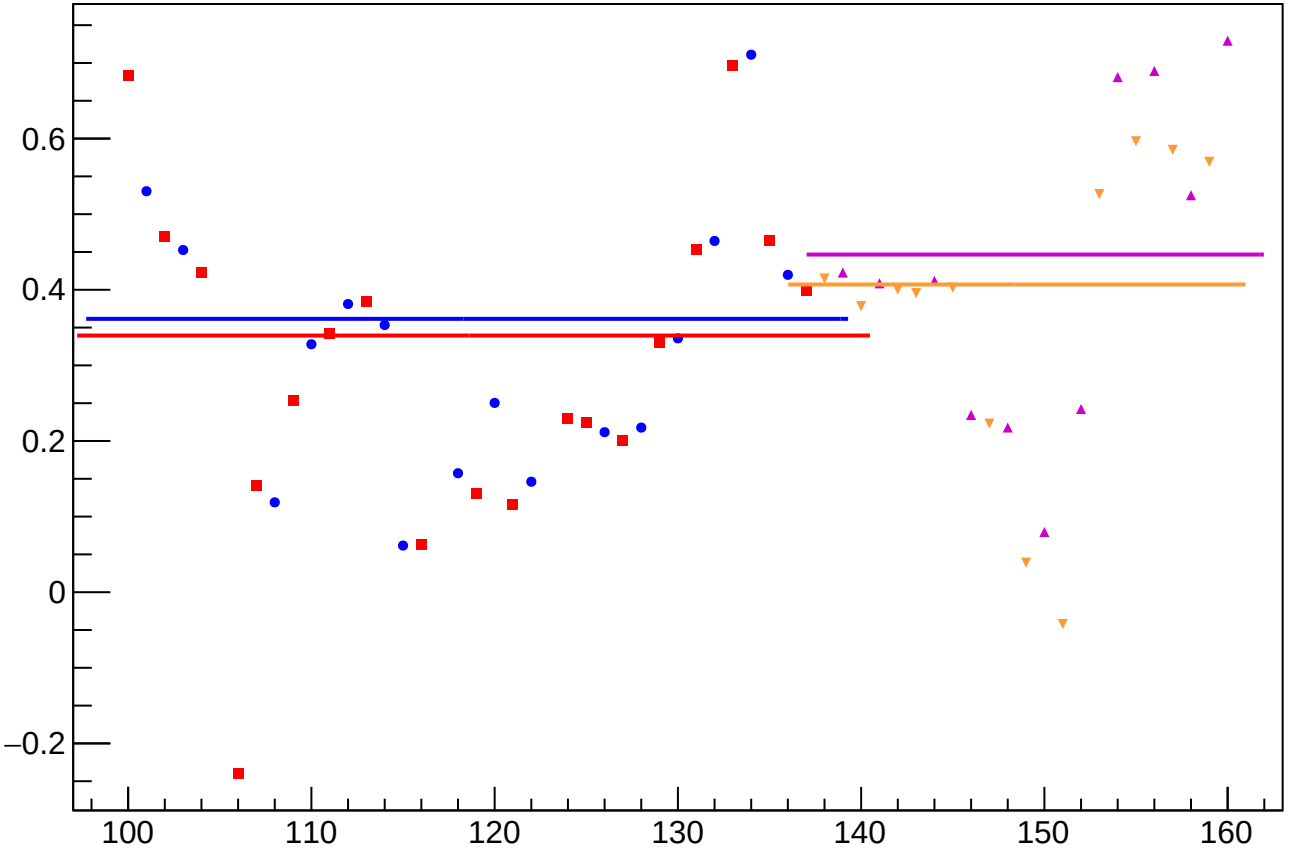
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1621230.6/26

Out: 0.005+/-0.000 χ^2/NDF:1178195.9/30

All: 0.005+/-0.000 χ^2/NDF: 2800775.5/57

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: 0.447+/-0.000 χ^2/NDF:17262279055.9/10

Left: 0.427+/-0.000 χ^2/NDF: 33614923005.2/22

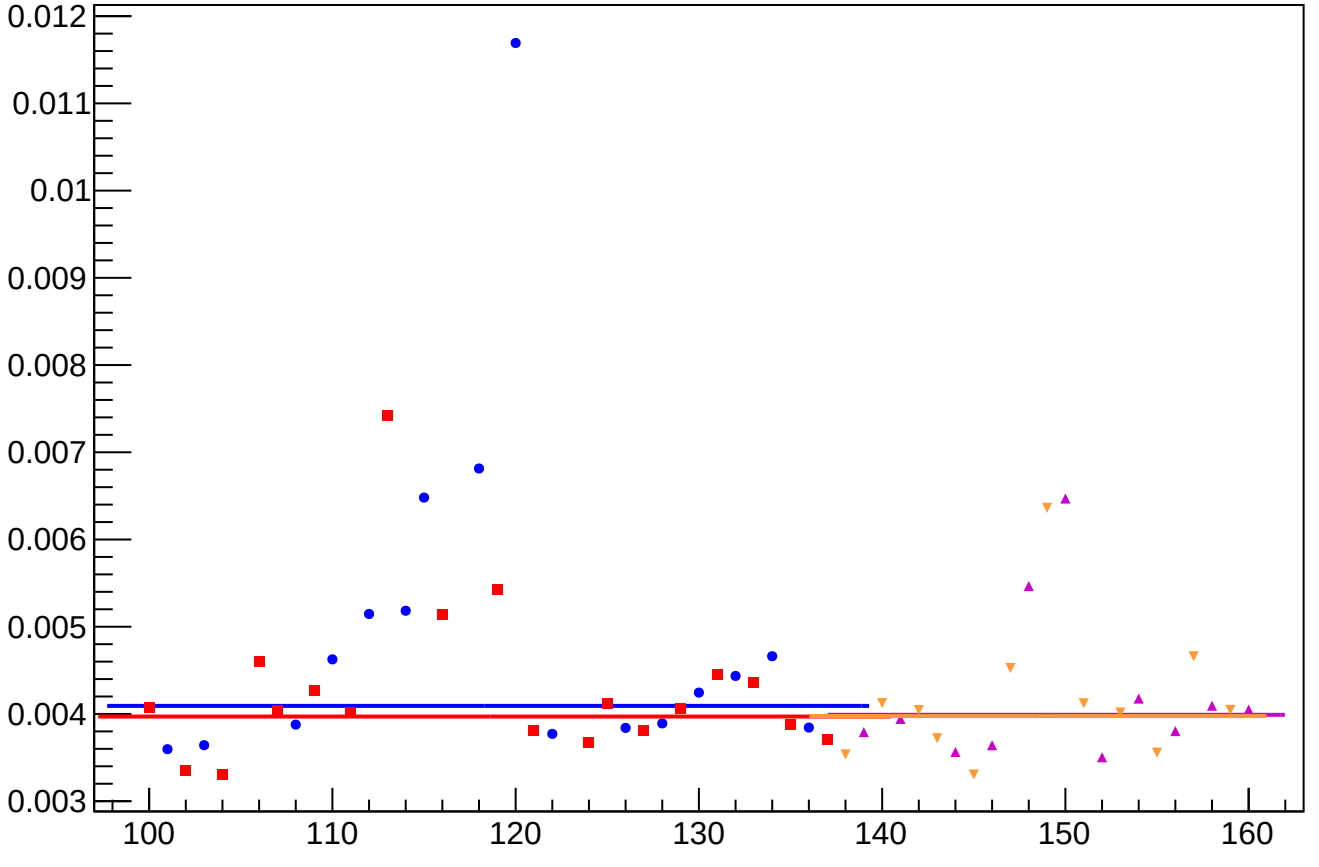
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.409+/-0.000 χ^2/NDF:27500739271.4/26

Out: 0.375+/-0.000 χ^2/NDF:29045287067.1/30

All: 0.391+/-0.000 χ^2/NDF: 57018495387.7/5

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:365135.5/10

Left: 0.004+/-0.000 χ^2/NDF: 690683.4/22

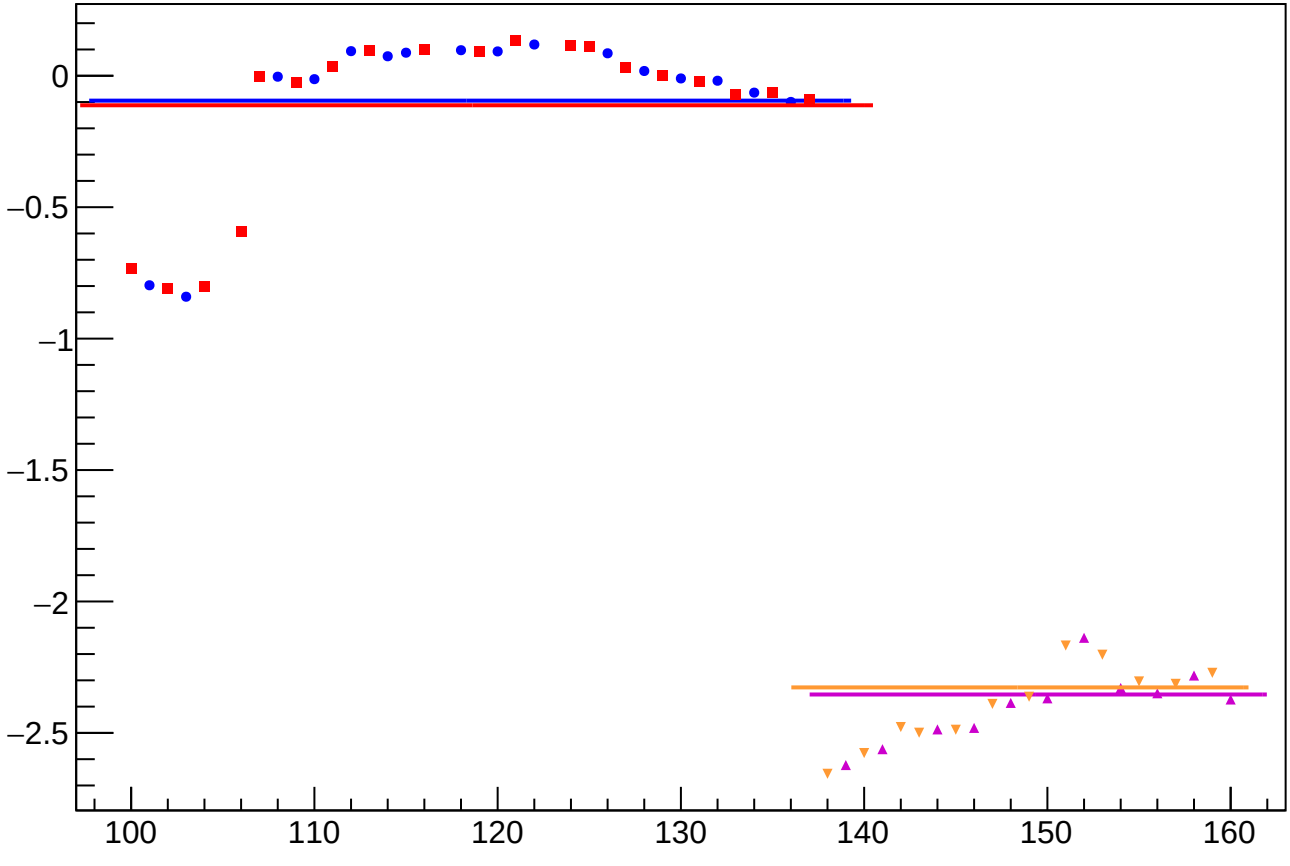
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:861108.4/26

Out: 0.004+/-0.000 χ^2/NDF:639162.2/30

All: 0.004+/-0.000 χ^2/NDF: 1503582.9/57

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: -2.354+/-0.000 χ^2/NDF:1269065304.5/10

Left: -2.340+/-0.000 χ^2/NDF: 2859112599.2/22

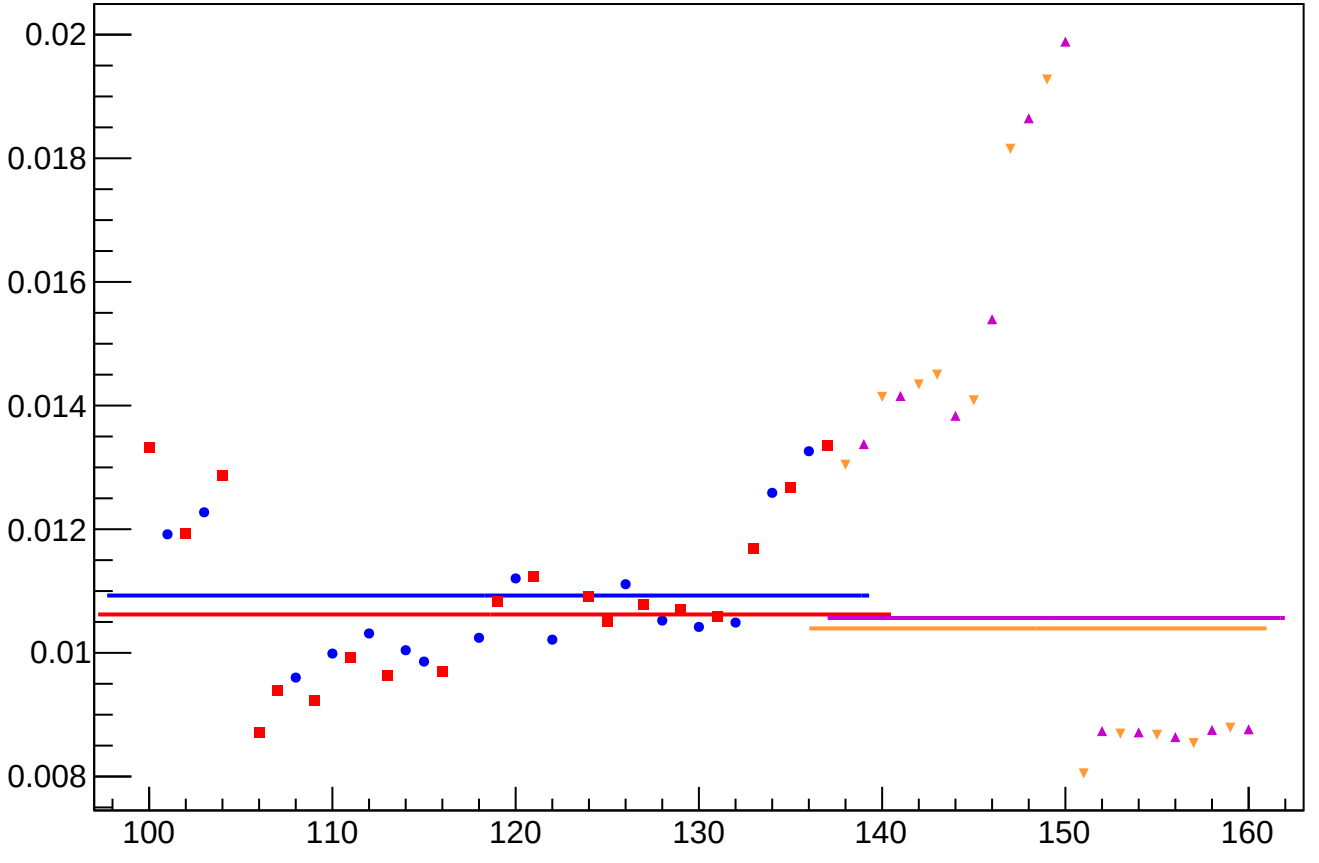
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.375+/-0.000 χ^2/NDF:179299348513.2/26

Out: -1.333+/-0.000 χ^2/NDF:184424773998.2/30

All: -1.354+/-0.000 χ^2/NDF: 363848343542.8

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:1549111.4/10

Left: 0.010+/-0.000 χ^2/NDF: 3093473.0/22

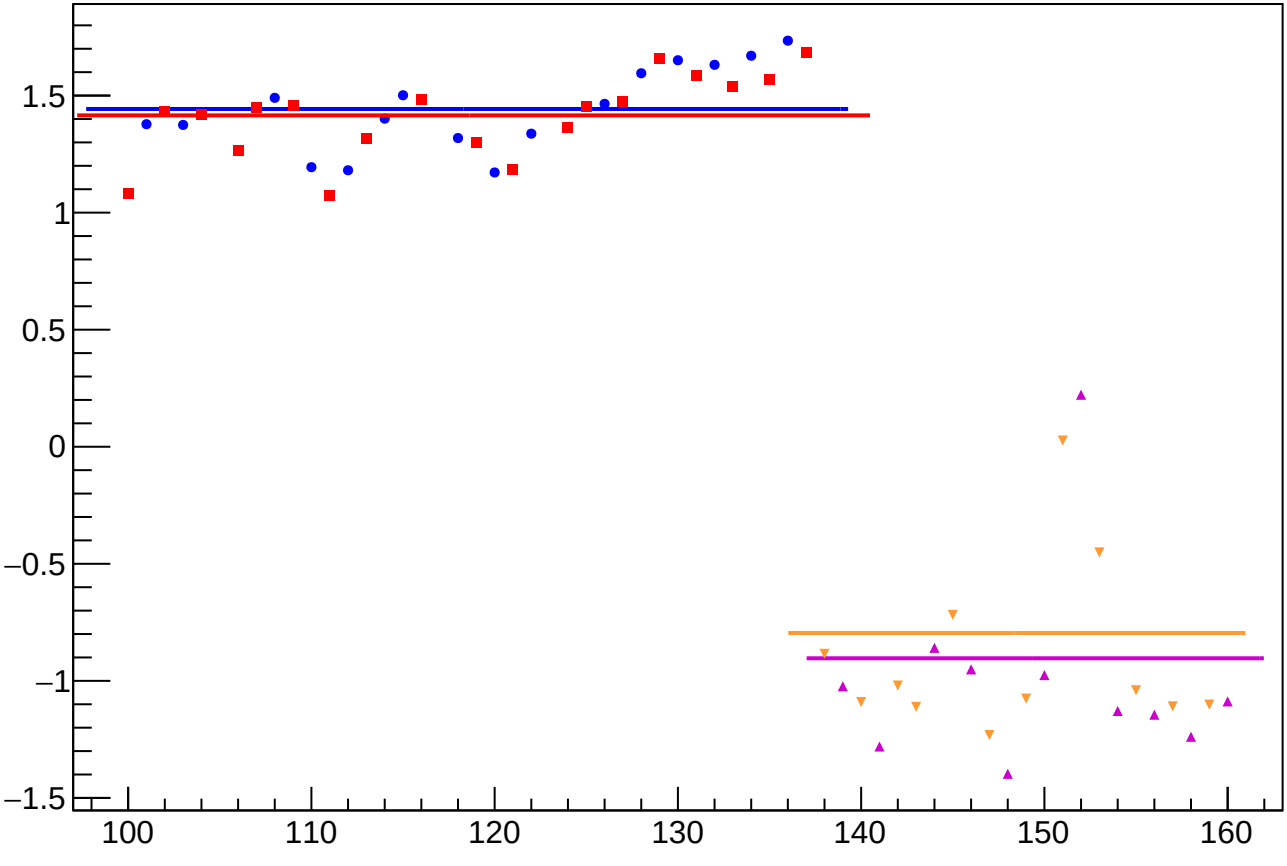
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1694498.0/26

Out: 0.010+/-0.000 χ^2/NDF:1736303.8/30

All: 0.011+/-0.000 χ^2/NDF: 3437960.5/57

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: -0.904+/-0.000 χ^2/NDF:37950562413.1/10

Left: -0.850+/-0.000 χ^2/NDF: 65202352006.7/22

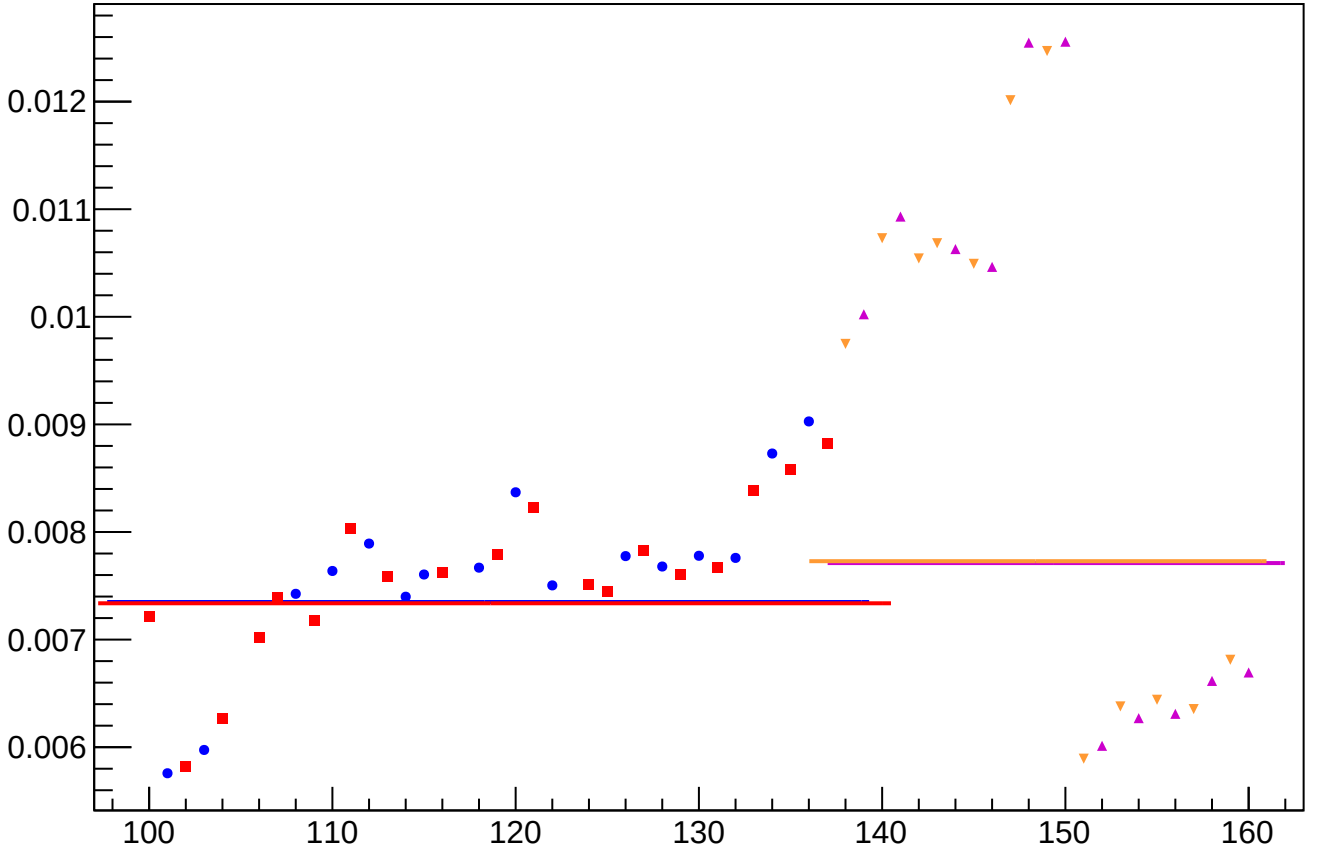
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.198+/-0.000 χ^2/NDF:423847275724.8/26

Out: 0.270+/-0.000 χ^2/NDF:375903391281.8/30

All: 0.234+/-0.000 χ^2/NDF: 800491880435.1

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:1412277.0/10

Left: 0.008+/-0.000 χ^2/NDF: 2766166.9/22

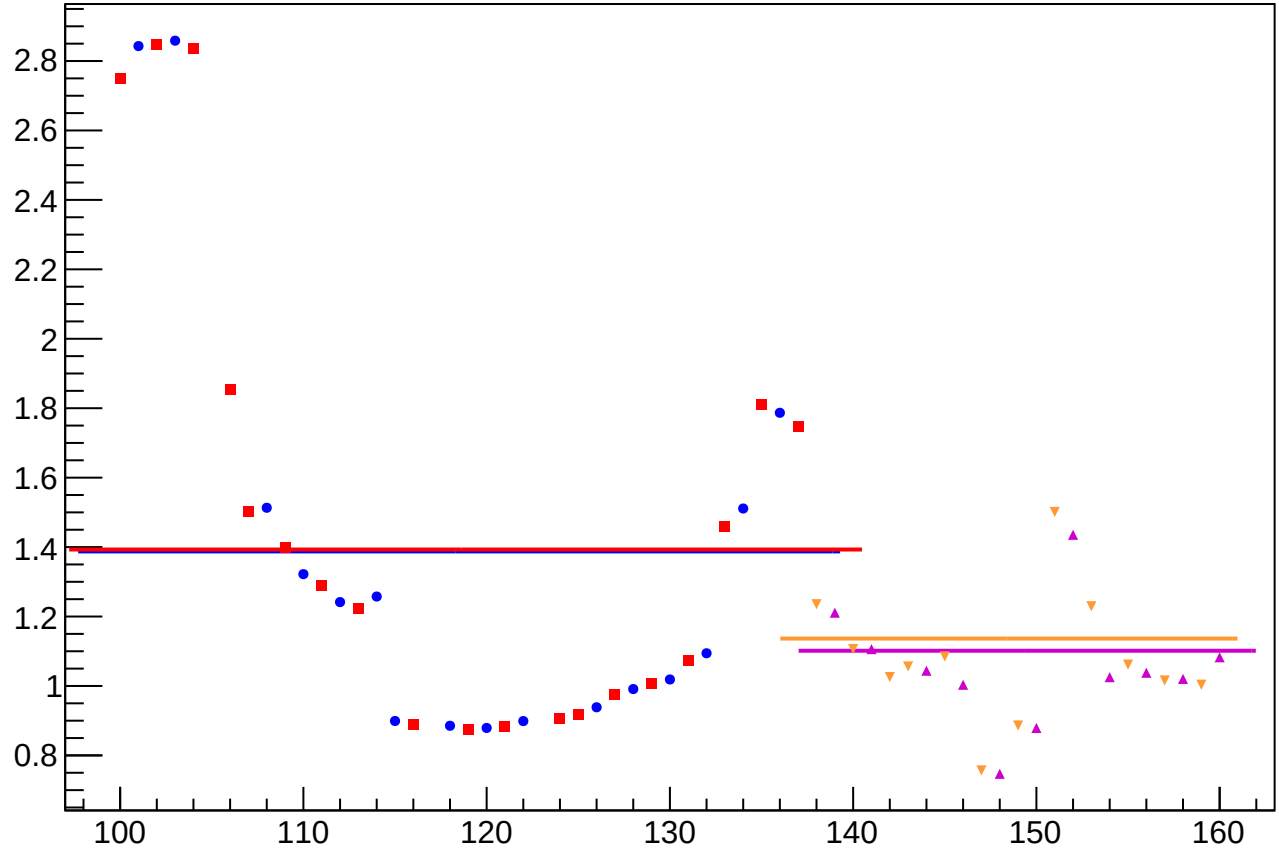
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1701323.4/26

Out: 0.008+/-0.000 χ^2/NDF:1570928.6/30

All: 0.008+/-0.000 χ^2/NDF: 3272252.4/57

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: 1.101+/-0.000 χ^2/NDF:4143951923.9/10

Left: 1.119+/-0.000 χ^2/NDF: 9542984763.2/22

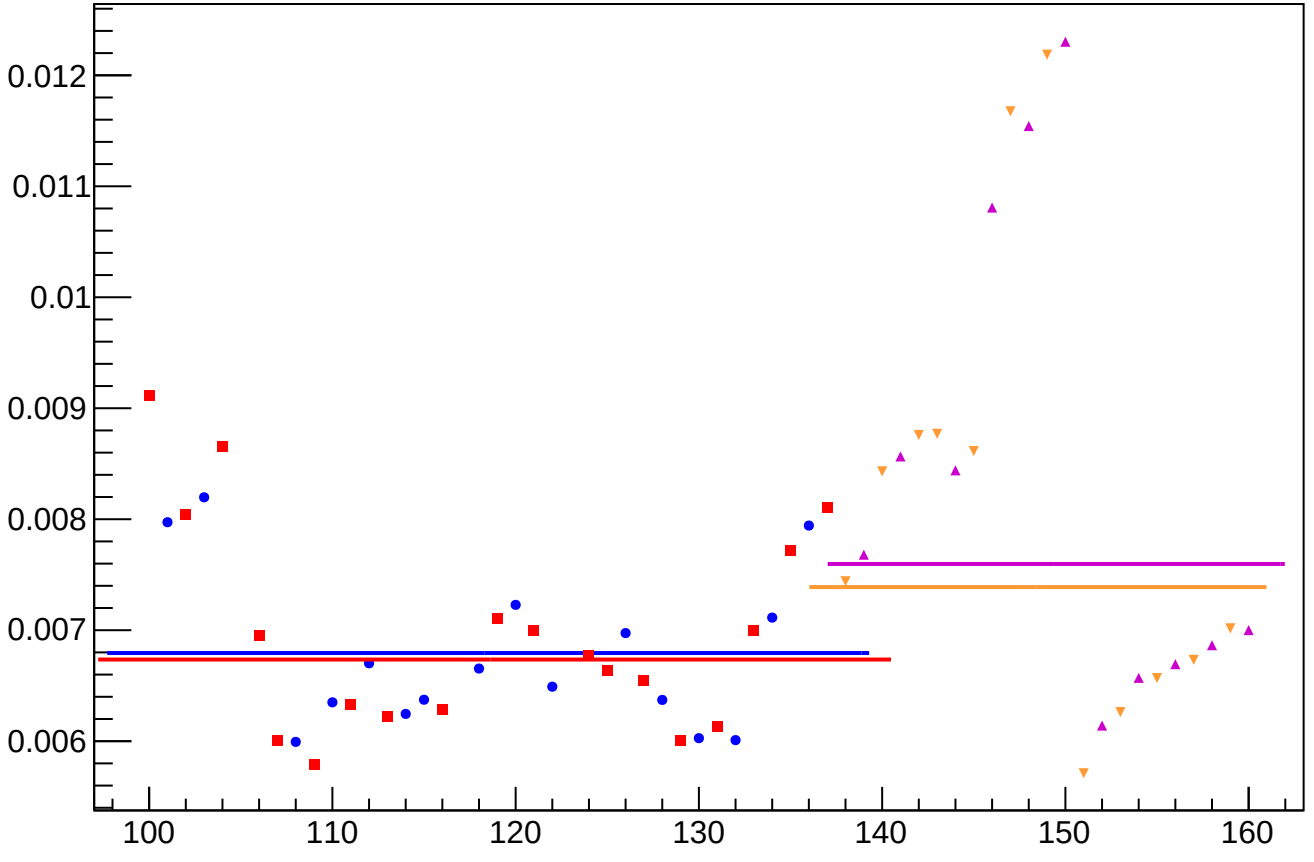
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.245+/-0.000 χ^2/NDF:69038795981.6/26

Out: 1.265+/-0.000 χ^2/NDF:65971363624.2/30

All: 1.255+/-0.000 χ^2/NDF: 135077020713.7

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:806827.8/10

Left: 0.007+/-0.000 χ^2/NDF: 1596300.7/22

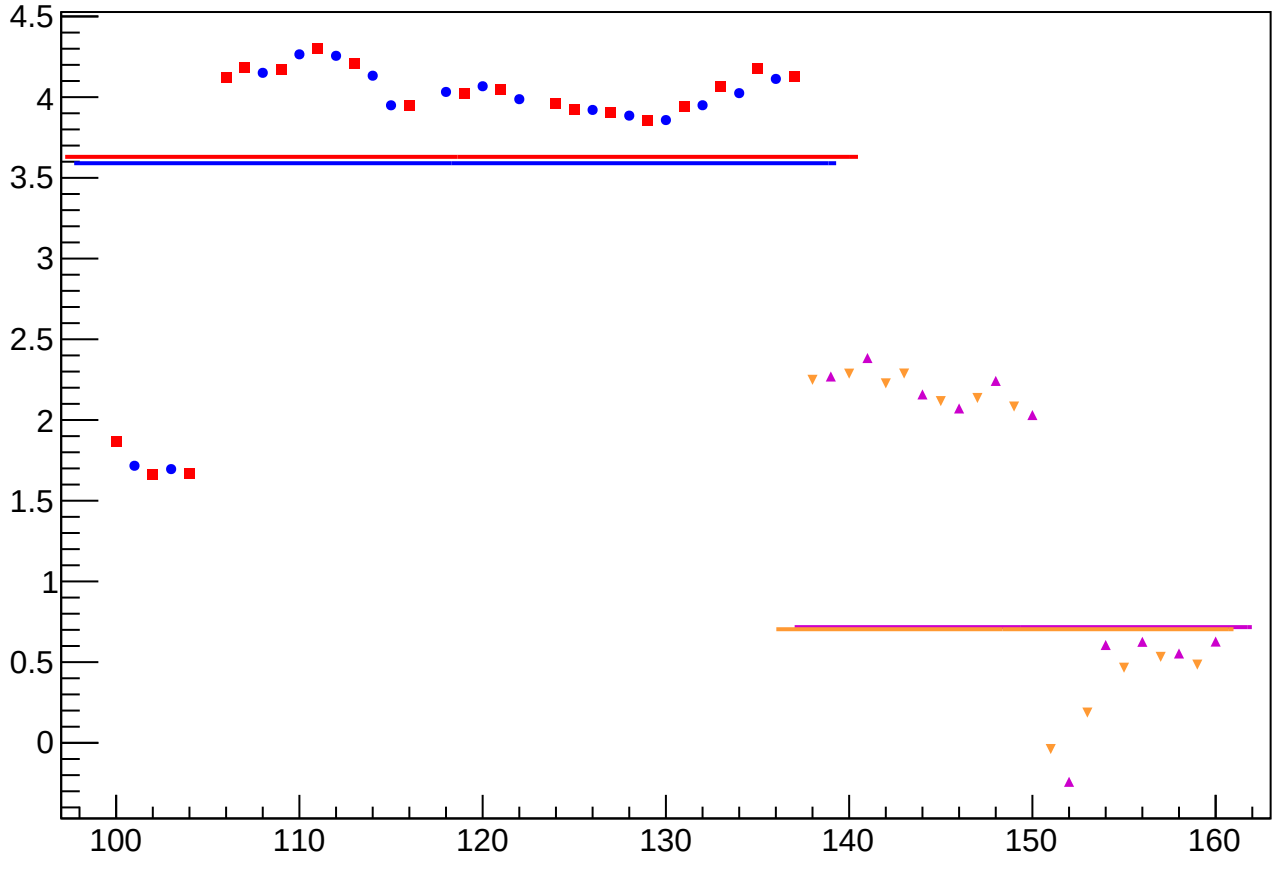
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1070112.1/26

Out: 0.007+/-0.000 χ^2/NDF:1049874.7/30

All: 0.007+/-0.000 χ^2/NDF: 2125665.3/57

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: 0.717+/-0.000 χ^2/NDF:241383456804.5/10

Left: 0.710+/-0.000 χ^2/NDF: 484023566709.2/22

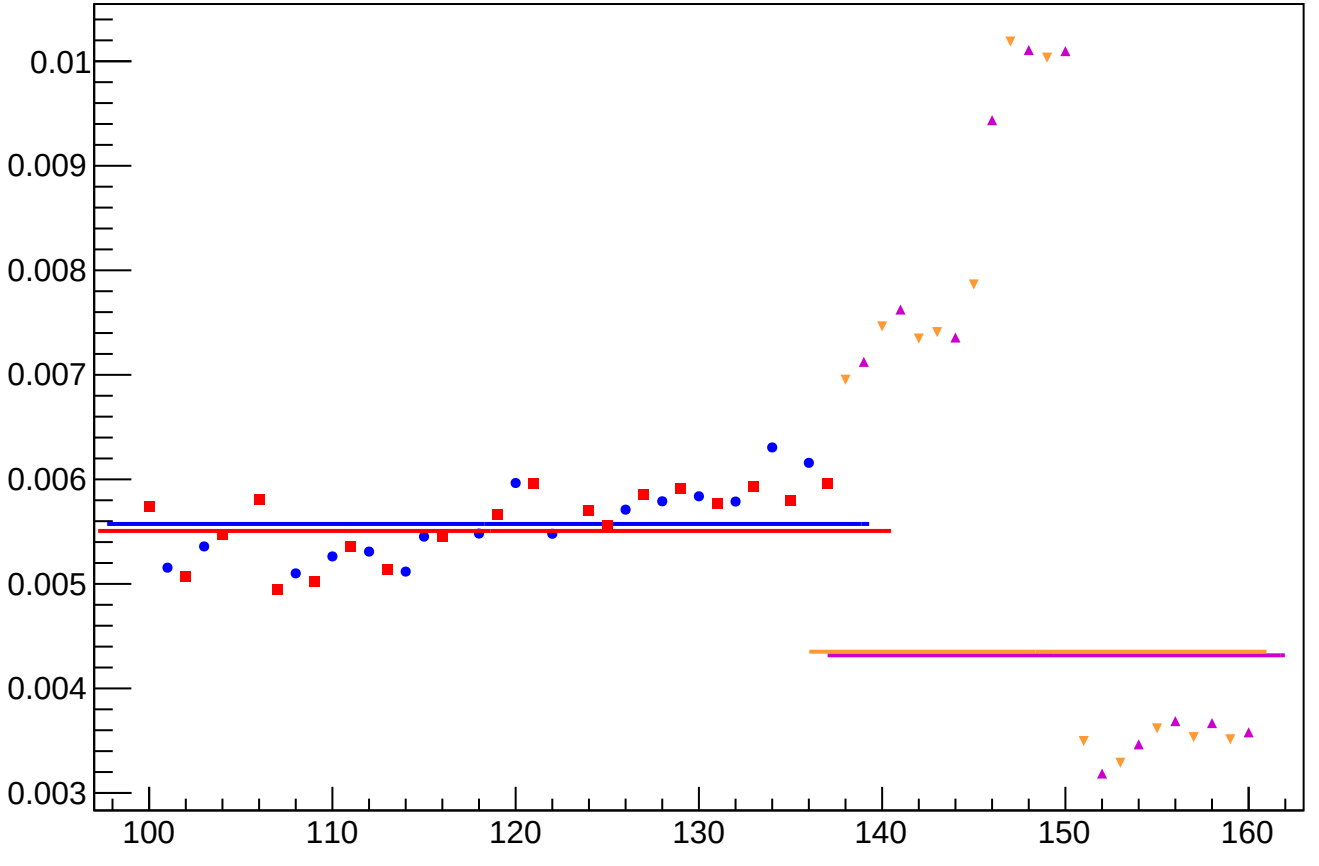
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.747+/-0.000 χ^2/NDF:1665808690650.5/26

Out: 1.796+/-0.000 χ^2/NDF:1747700877120.3/30

All: 1.772+/-0.000 χ^2/NDF: 3414271498957.

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:2864413.7/10

Left: 0.004+/-0.000 χ^2/NDF: 5540081.0/22

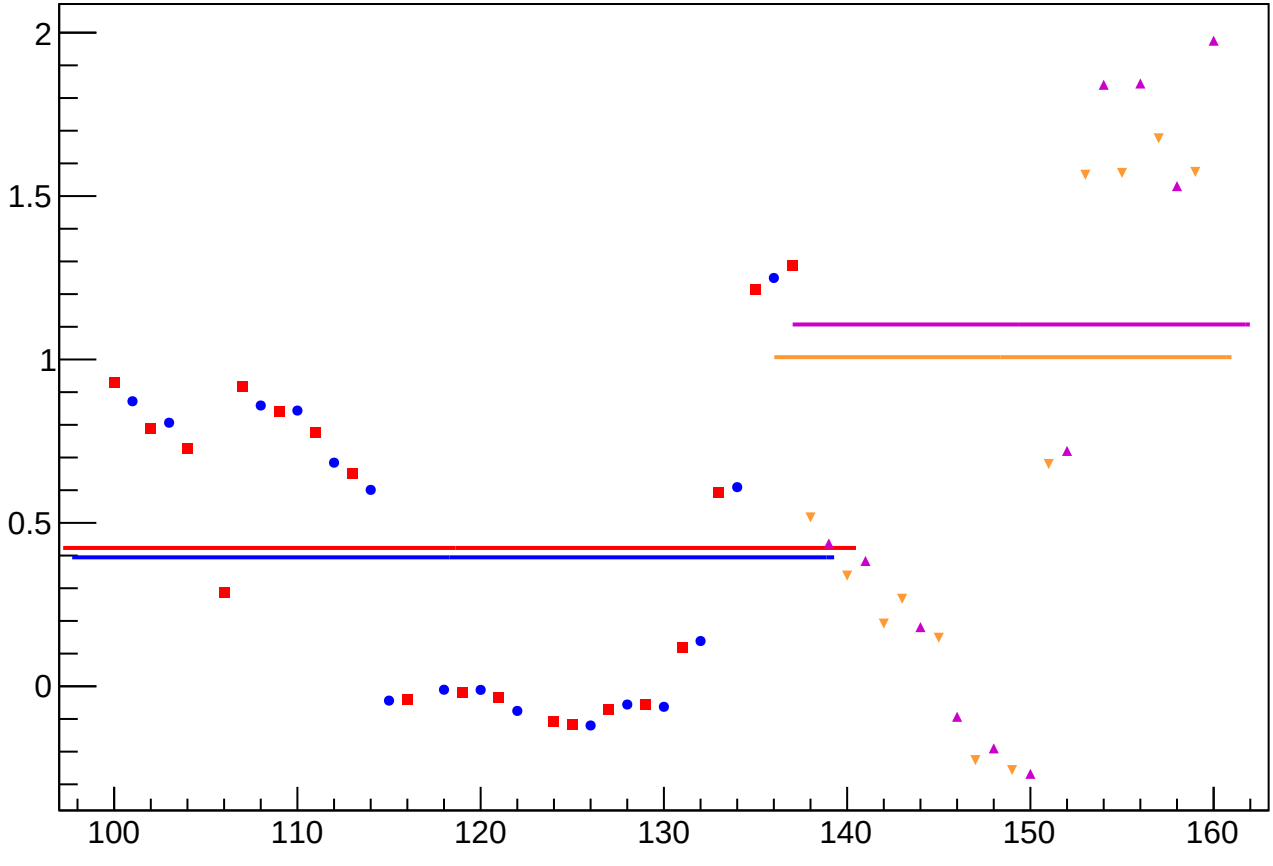
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3391073.8/26

Out: 0.005+/-0.000 χ^2/NDF:3135636.9/30

All: 0.005+/-0.000 χ^2/NDF: 6526856.6/57

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: 1.107+/-0.000 χ^2/NDF:39465530495.1/10

Left: 1.058+/-0.000 χ^2/NDF: 68142490724.7/22

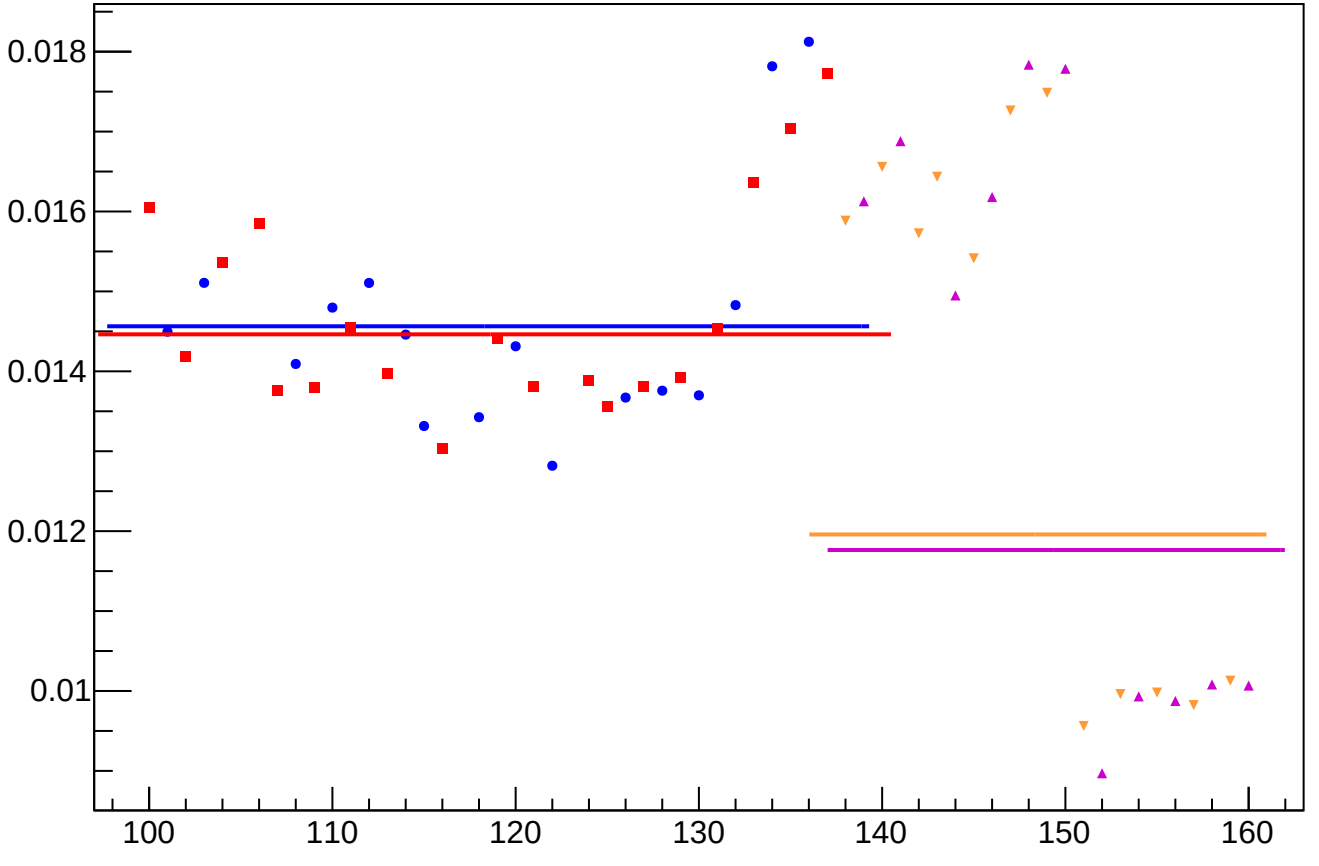
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.861+/-0.000 χ^2/NDF:58003361920.7/26

Out: 0.796+/-0.000 χ^2/NDF:42841234437.7/30

All: 0.829+/-0.000 χ^2/NDF: 101051160399.8

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:1268411.1/10

Left: 0.012+/-0.000 χ^2/NDF: 2422119.5/22

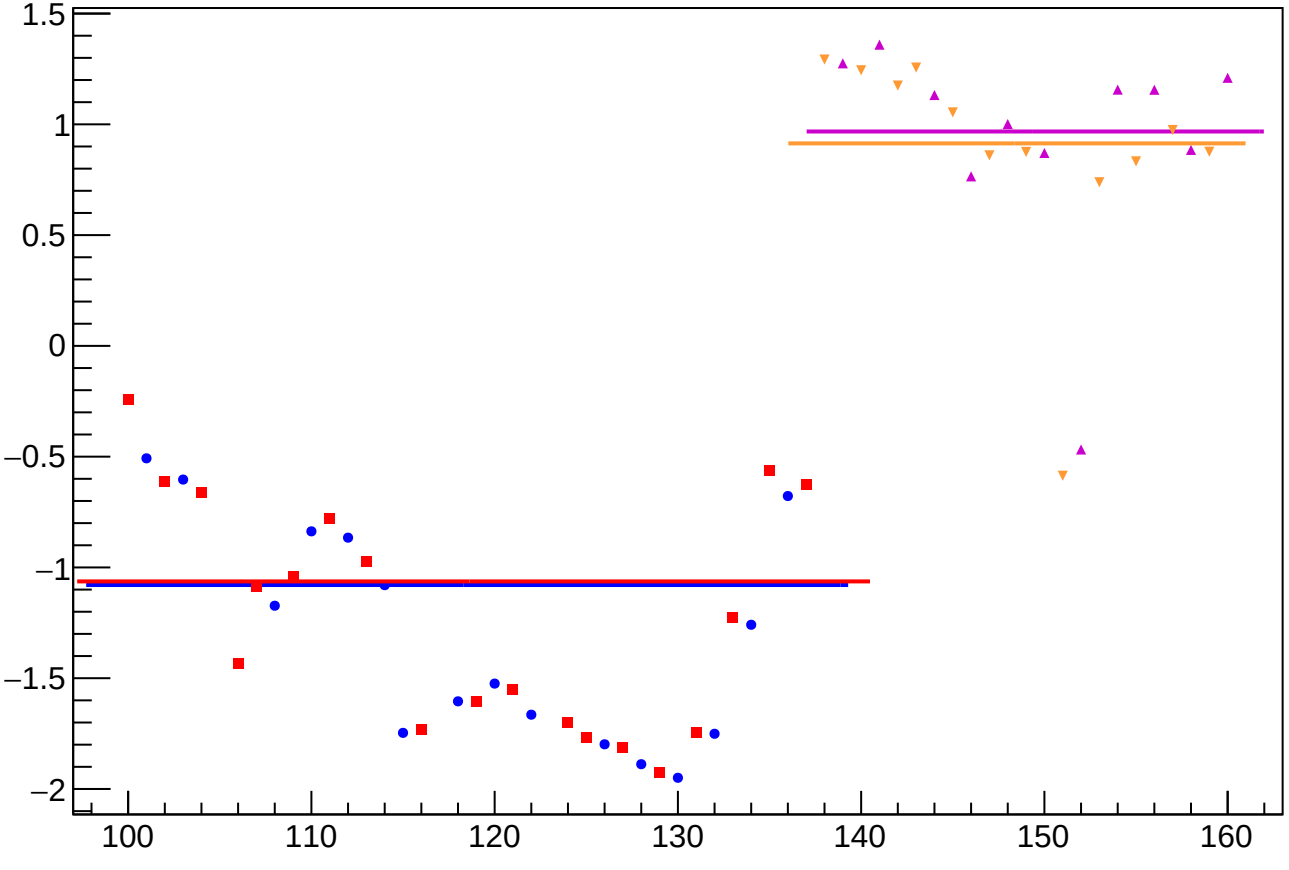
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.013+/-0.000 χ^2/NDF:1744959.1/26

Out: 0.013+/-0.000 χ^2/NDF:1507448.3/30

All: 0.013+/-0.000 χ^2/NDF: 3254158.8/57

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: 0.968+/-0.000 χ^2/NDF:115643166449.9/10

Left: 0.941+/-0.000 χ^2/NDF: 215394852549.5/22

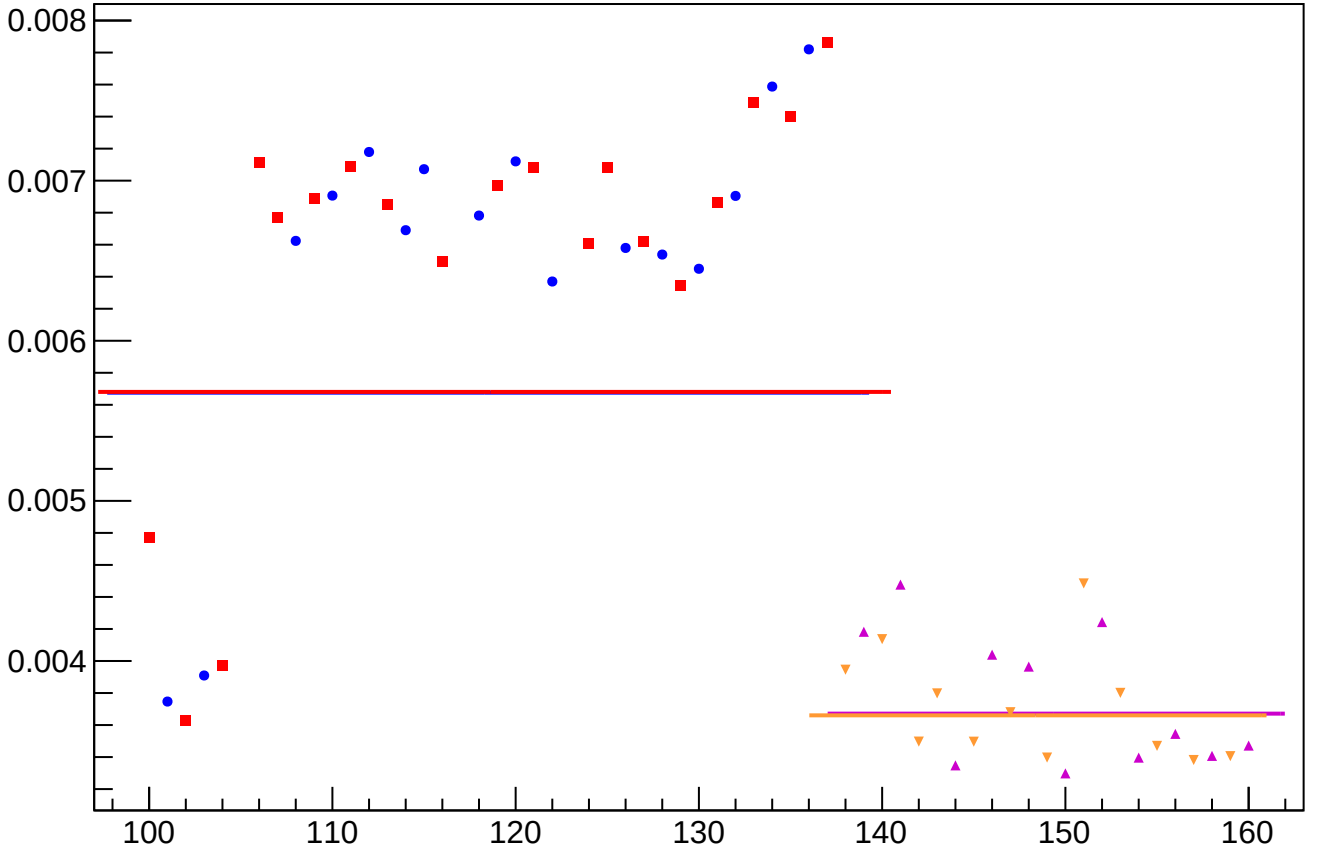
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.476+/-0.000 χ^2/NDF:804661945795.2/26

Out: 0.439+/-0.000 χ^2/NDF:742297125780.8/30

All: 0.458+/-0.000 χ^2/NDF: 1547517971053.

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:188014.9/10

Left: 0.004+/-0.000 χ^2/NDF: 303578.7/22

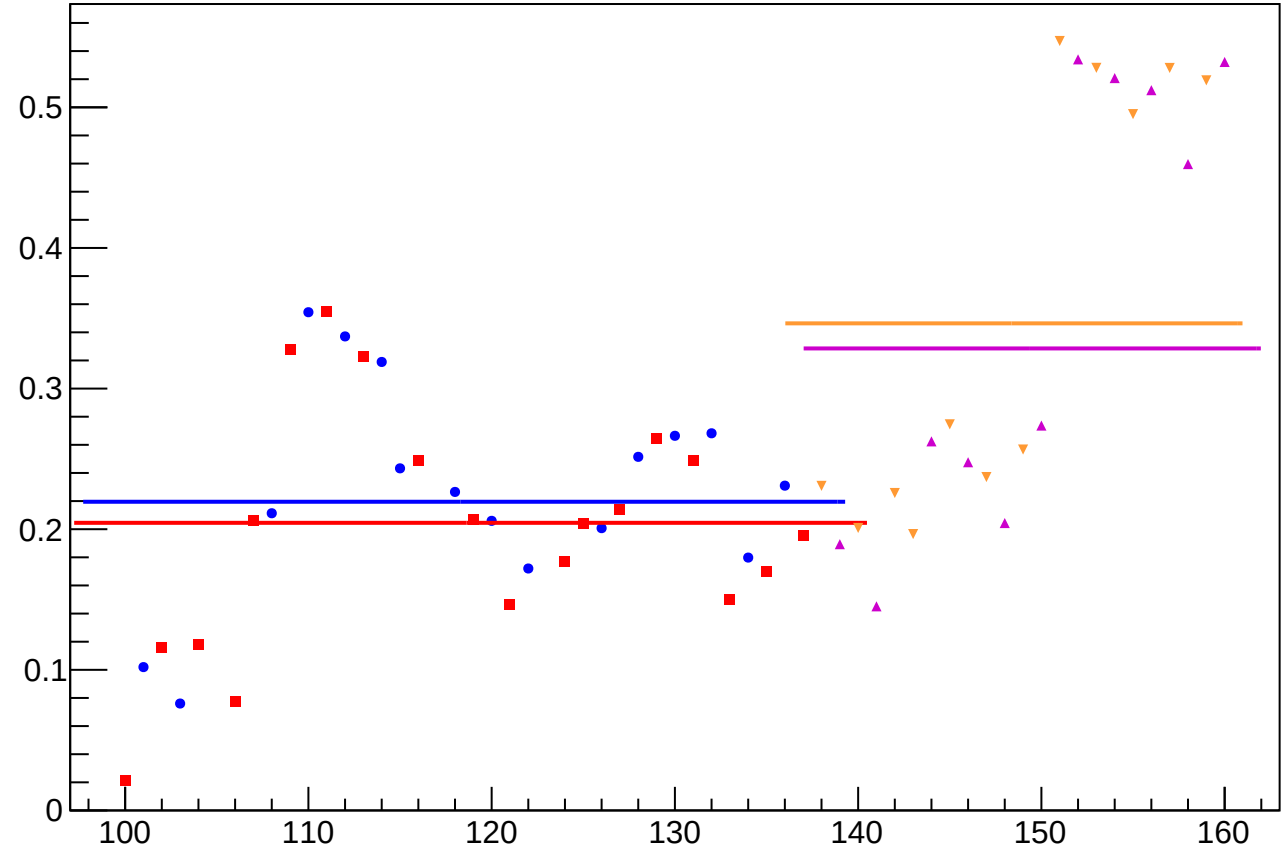
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2339871.6/26

Out: 0.004+/-0.000 χ^2/NDF:2335258.7/30

All: 0.004+/-0.000 χ^2/NDF: 4675172.4/57

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: 0.329+/-0.000 χ^2/NDF:84708895346.9/10

Left: 0.338+/-0.000 χ^2/NDF: 177870494448.2/22

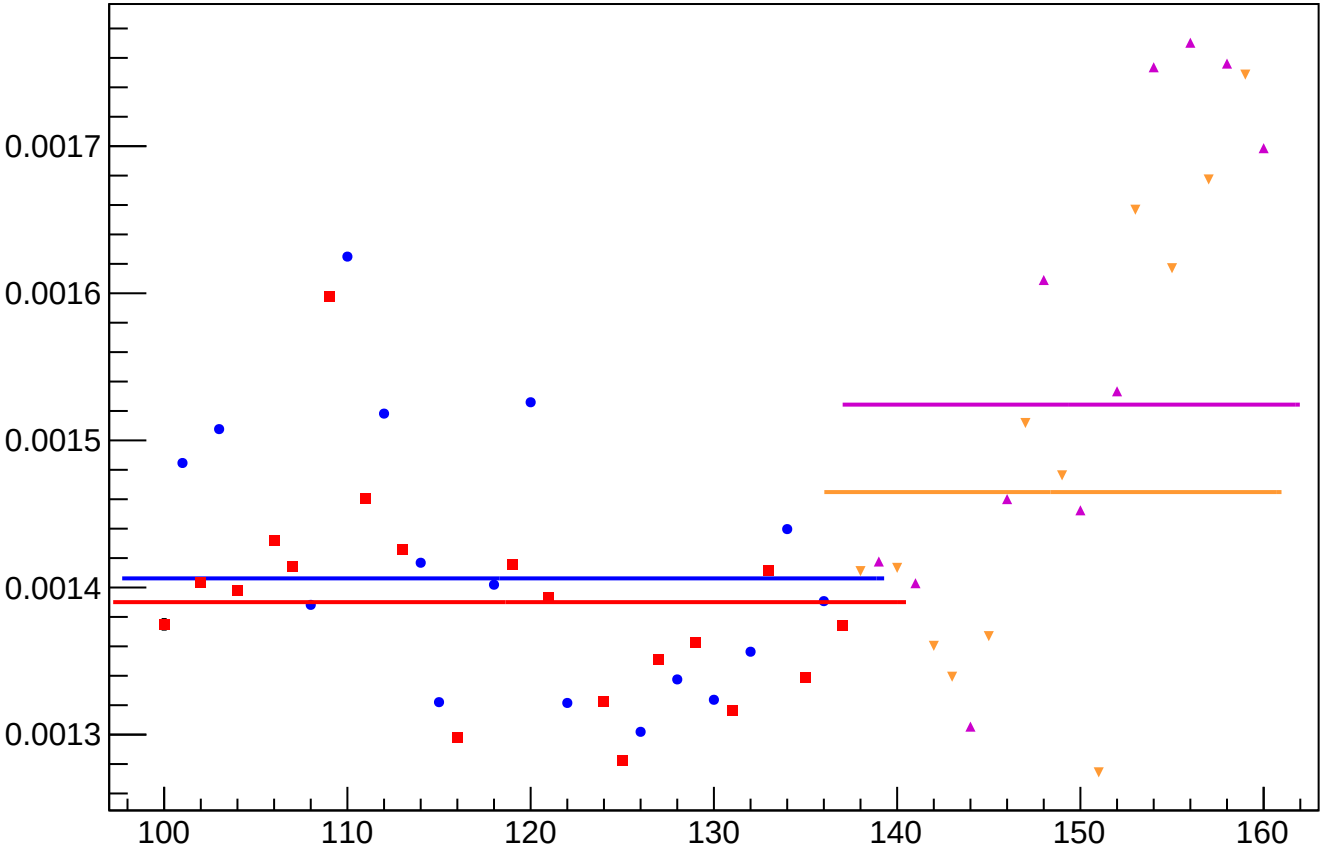
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.277+/-0.000 χ^2/NDF:123594359212.9/26

Out: 0.280+/-0.000 χ^2/NDF:155573002052.7/30

All: 0.279+/-0.000 χ^2/NDF: 279198601491.9

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:193052.8/10

Left: 0.001+/-0.000 χ^2/NDF: 386383.7/22

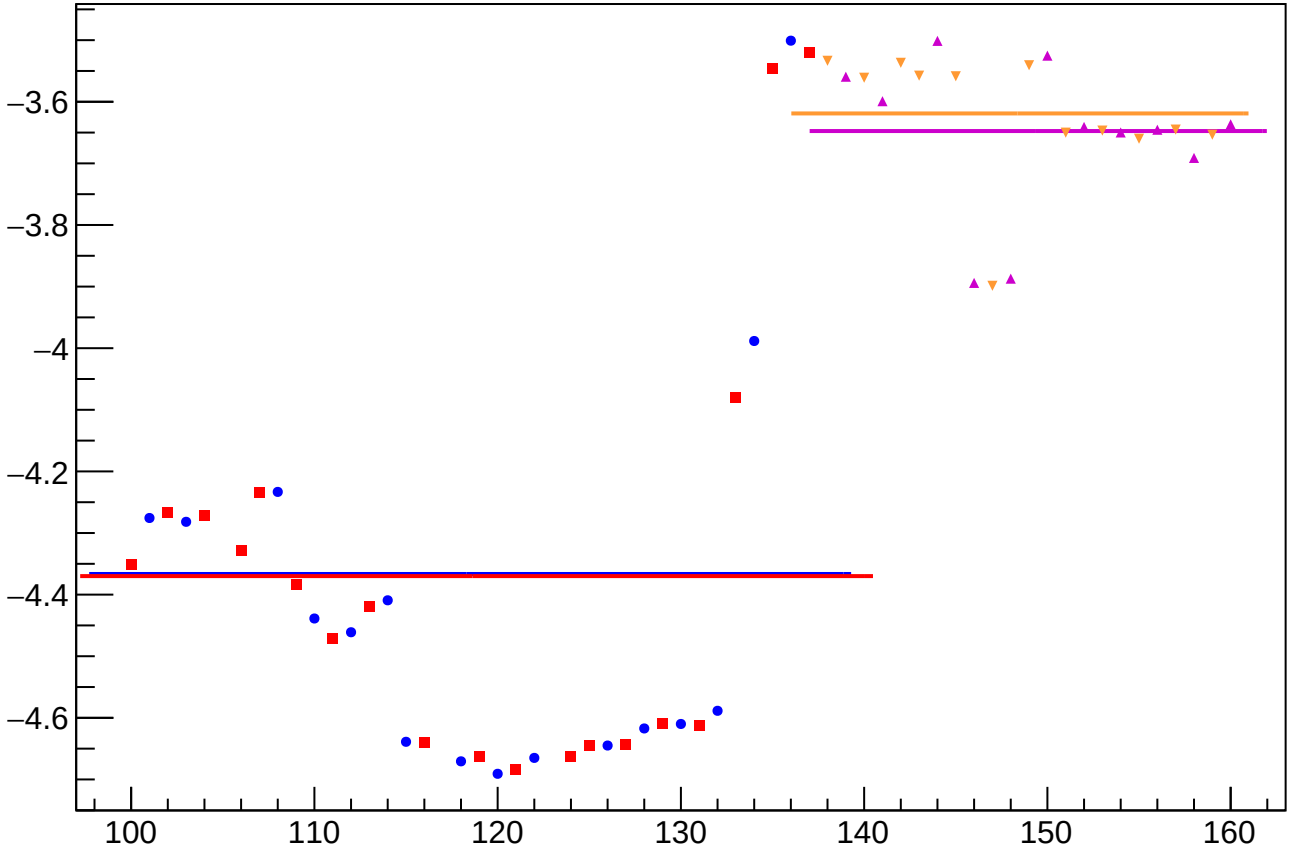
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:293260.8/26

Out: 0.001+/-0.000 χ^2/NDF:236123.4/30

All: 0.001+/-0.000 χ^2/NDF: 541214.5/57

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: -3.648+/-0.000 χ^2/NDF:32932011633.4/10

Left: -3.633+/-0.000 χ^2/NDF: 54343909219.3/22

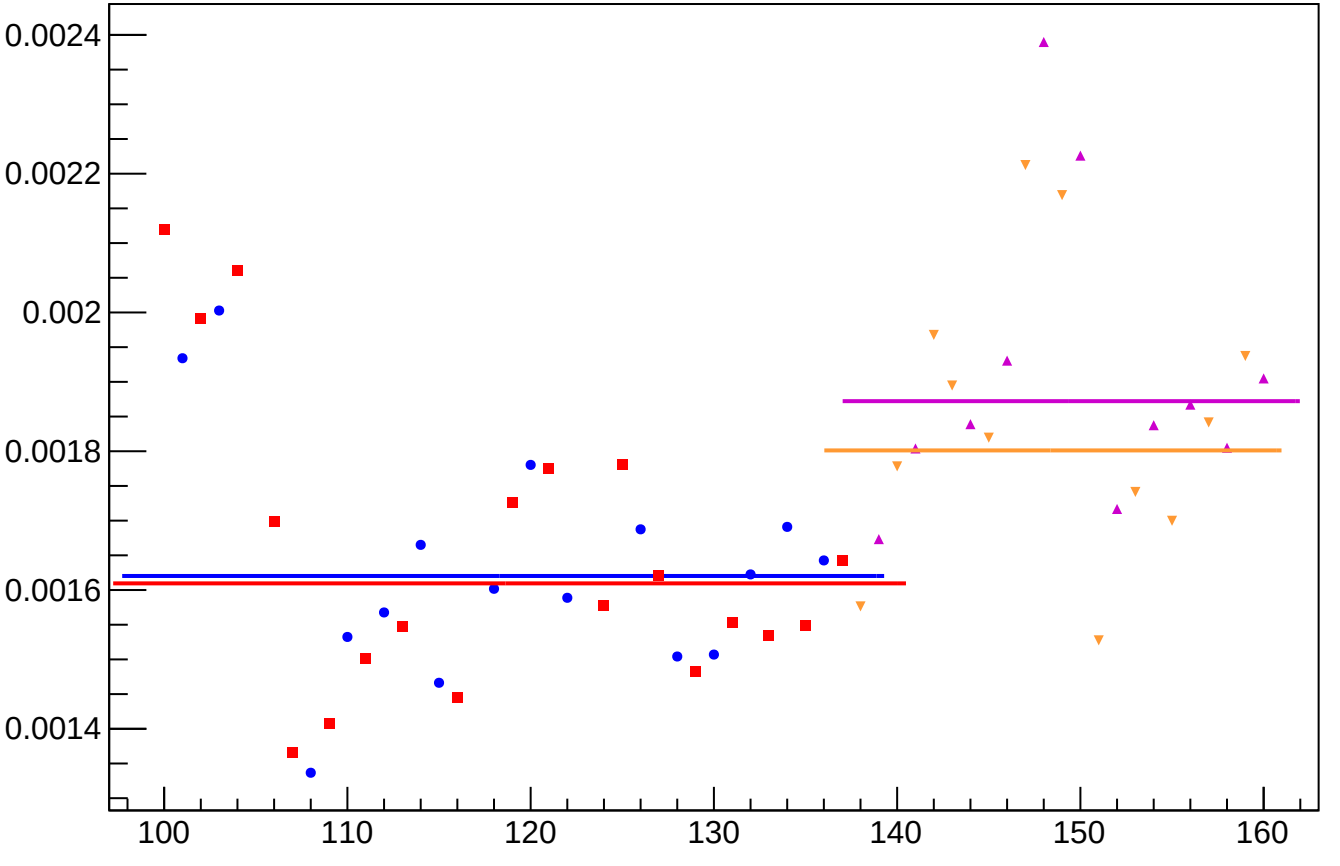
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.009+/-0.000 χ^2/NDF:1059629480658.4/26

Out: -3.992+/-0.000 χ^2/NDF:1096382345622.6/30

All: -4.000+/-0.000 χ^2/NDF: 2156760092594

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:163319.7/10

Left: 0.002+/-0.000 χ^2/NDF: 386436.1/22

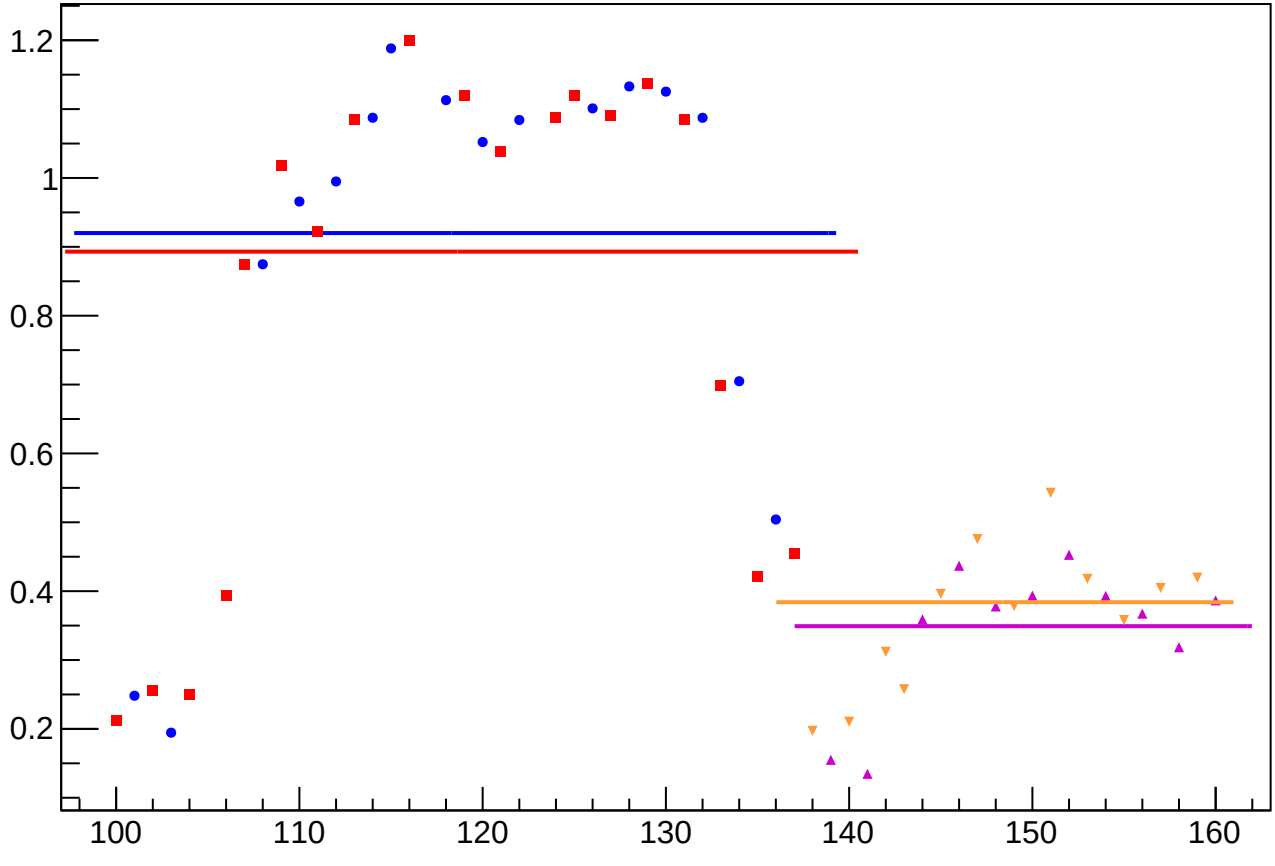
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:468978.4/26

Out: 0.002+/-0.000 χ^2/NDF:496086.4/30

All: 0.002+/-0.000 χ^2/NDF: 973491.2/57

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: 0.349+/-0.000 χ^2/NDF:1384411097.6/10

Left: 0.367+/-0.000 χ^2/NDF: 3142773770.0/22

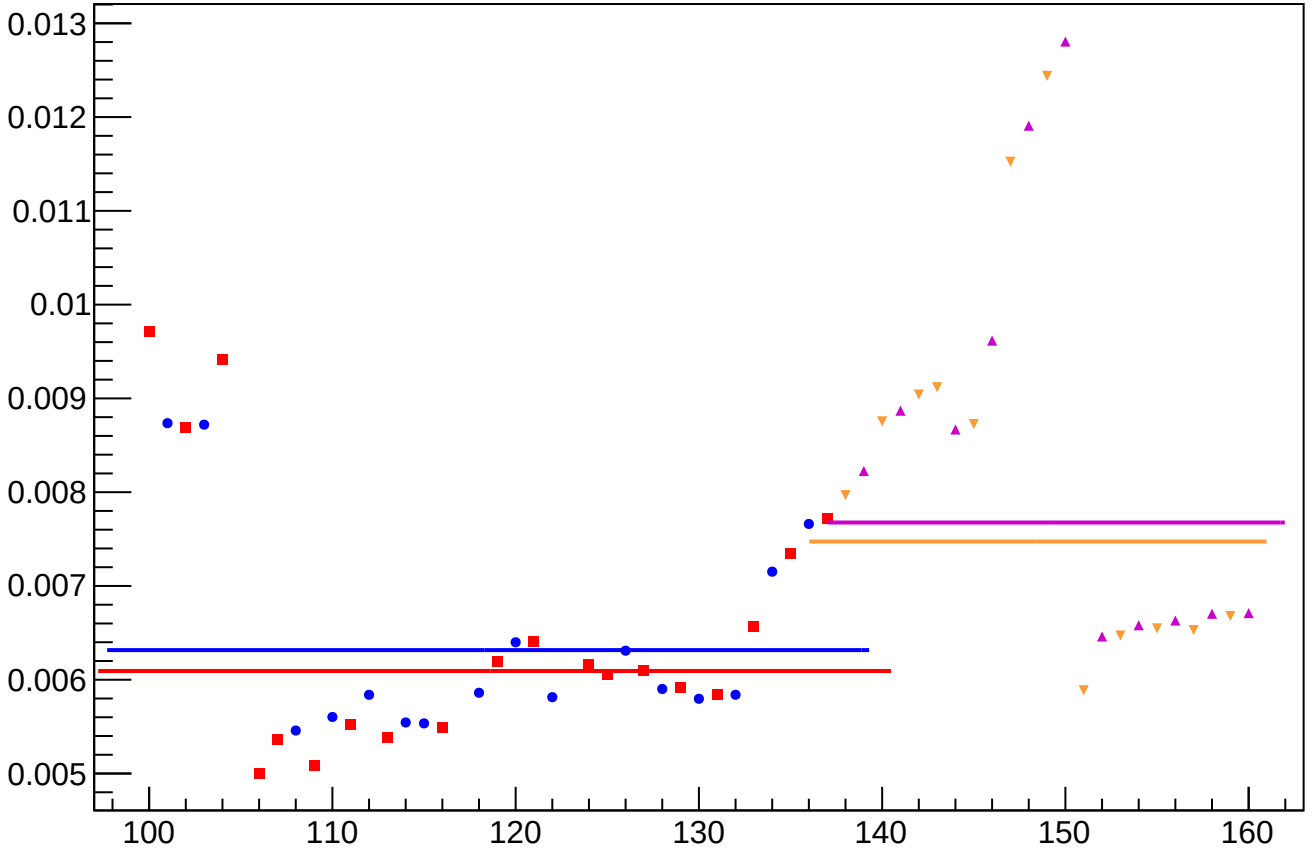
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.654+/-0.000 χ^2/NDF:42670781773.5/26

Out: 0.663+/-0.000 χ^2/NDF:42217169222.7/30

All: 0.658+/-0.000 χ^2/NDF: 84901664536.3/5

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:852442.4/10

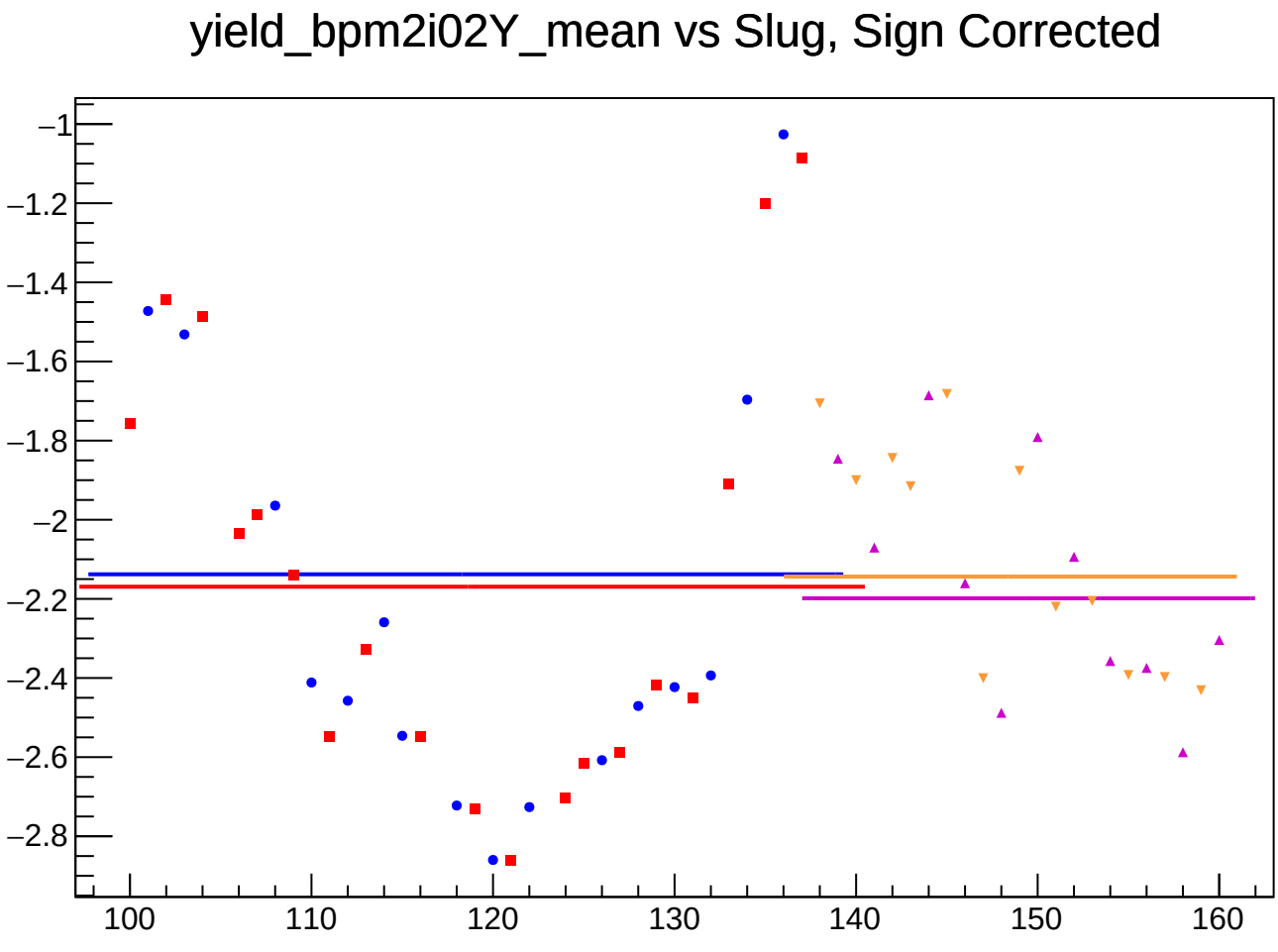
Left: 0.008+/-0.000 χ^2/NDF: 1732779.3/22

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

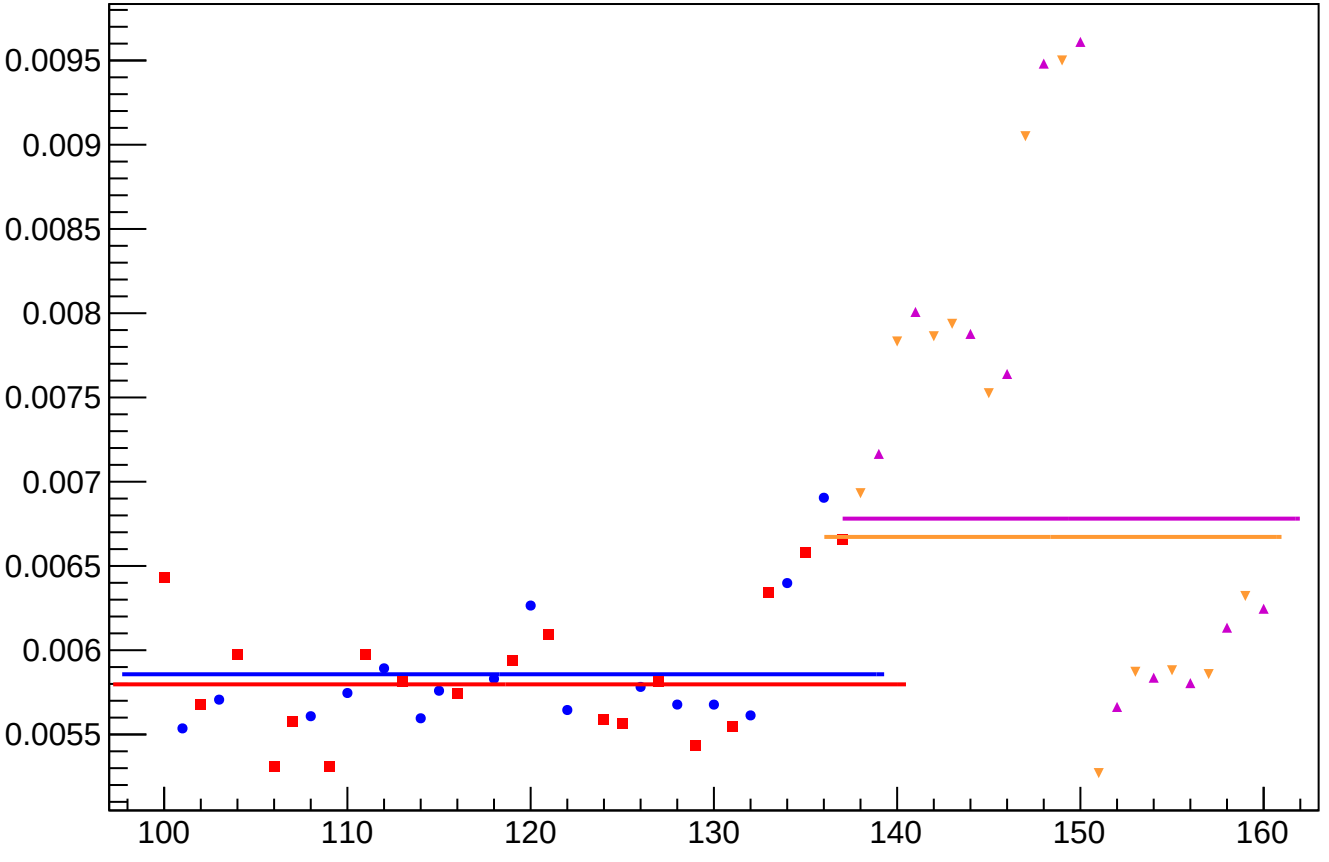
In: 0.007+/-0.000 χ^2/NDF:1491724.3/26

Out: 0.007+/-0.000 χ^2/NDF:1646954.0/30

All: 0.007+/-0.000 χ^2/NDF: 3157240.3/57


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.144+/-0.000 χ²/NDF:14651469422.0/11
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.199+/-0.000 χ²/NDF:13965110700.8/10
Left: -2.171+/-0.000 χ²/NDF: 28923680824.8/22
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.168+/-0.000 χ²/NDF:80009086585.0/26
Out: -2.157+/-0.000 χ²/NDF:72130993610.4/30
All: -2.162+/-0.000 χ²/NDF: 152163858960.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:598587.6/11

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:584972.3/10

Left: 0.007+/-0.000 χ^2/NDF: 1185958.1/22

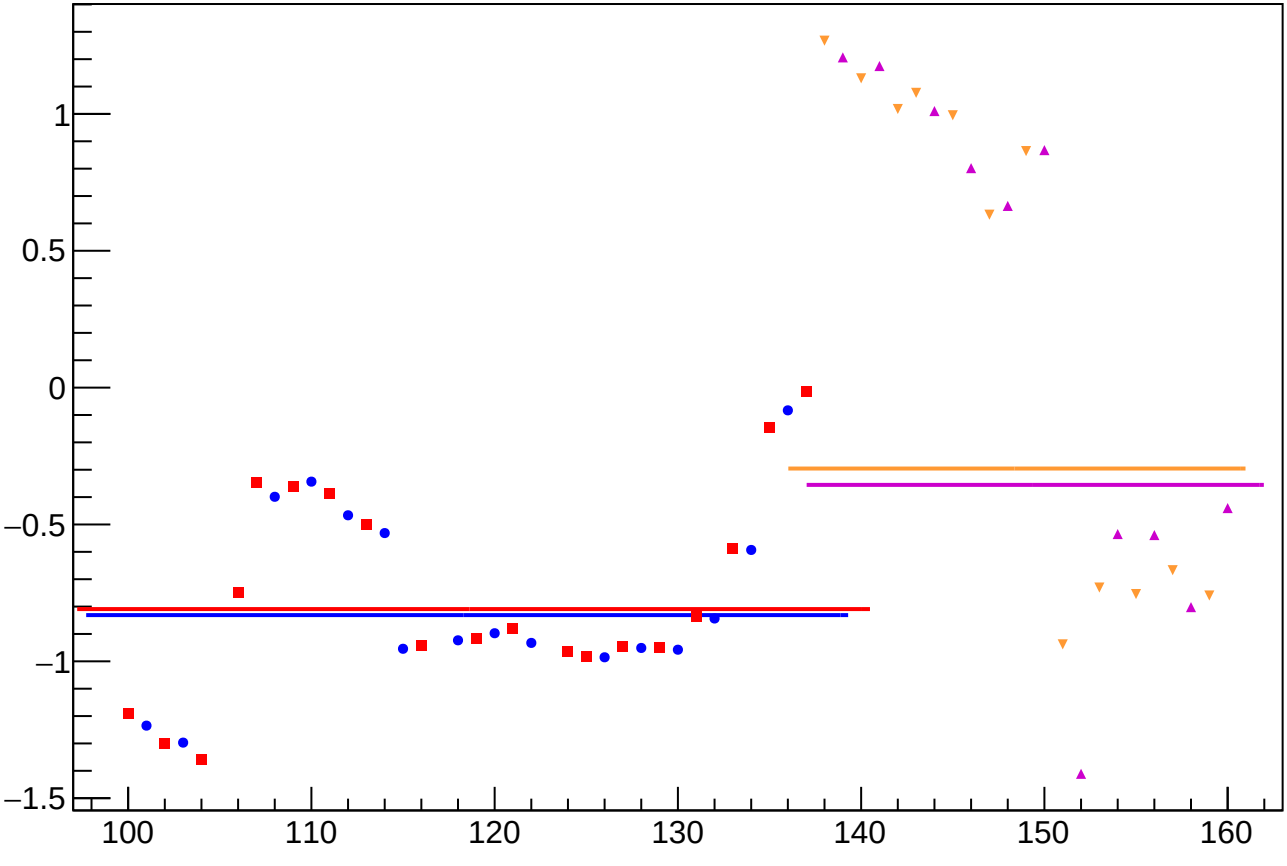
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:821833.2/26

Out: 0.006+/-0.000 χ^2/NDF:818773.0/30

All: 0.006+/-0.000 χ^2/NDF: 1643973.0/57

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: -0.355+/-0.000 χ^2/NDF:86947460231.4/10

Left: -0.326+/-0.000 χ^2/NDF: 163551046833.7/22

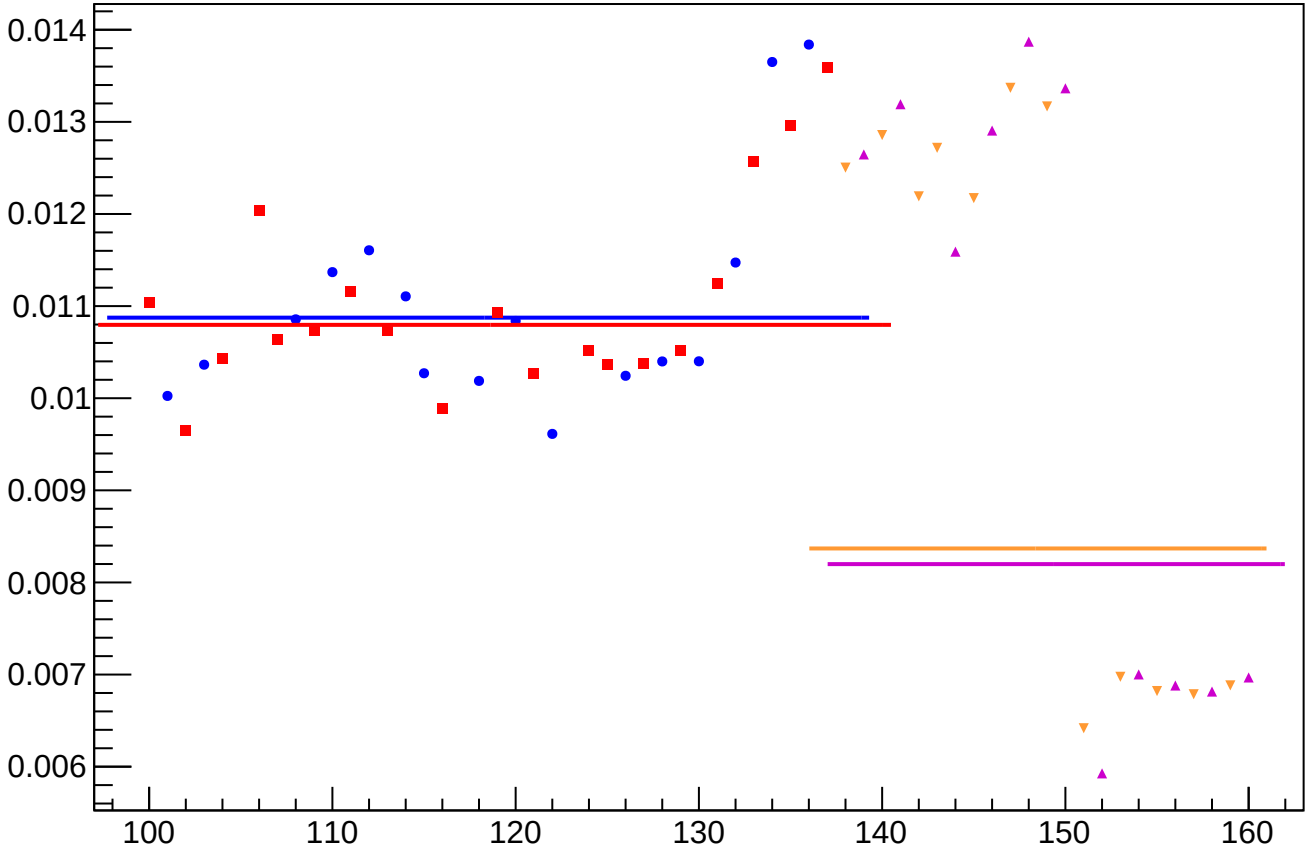
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.509+/-0.000 χ^2/NDF:103187804635.3/26

Out: -0.470+/-0.000 χ^2/NDF:95321599938.3/30

All: -0.490+/-0.000 χ^2/NDF: 198644898763.

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:1848277.8/10

Left: 0.008+/-0.000 χ^2/NDF: 3545660.9/22

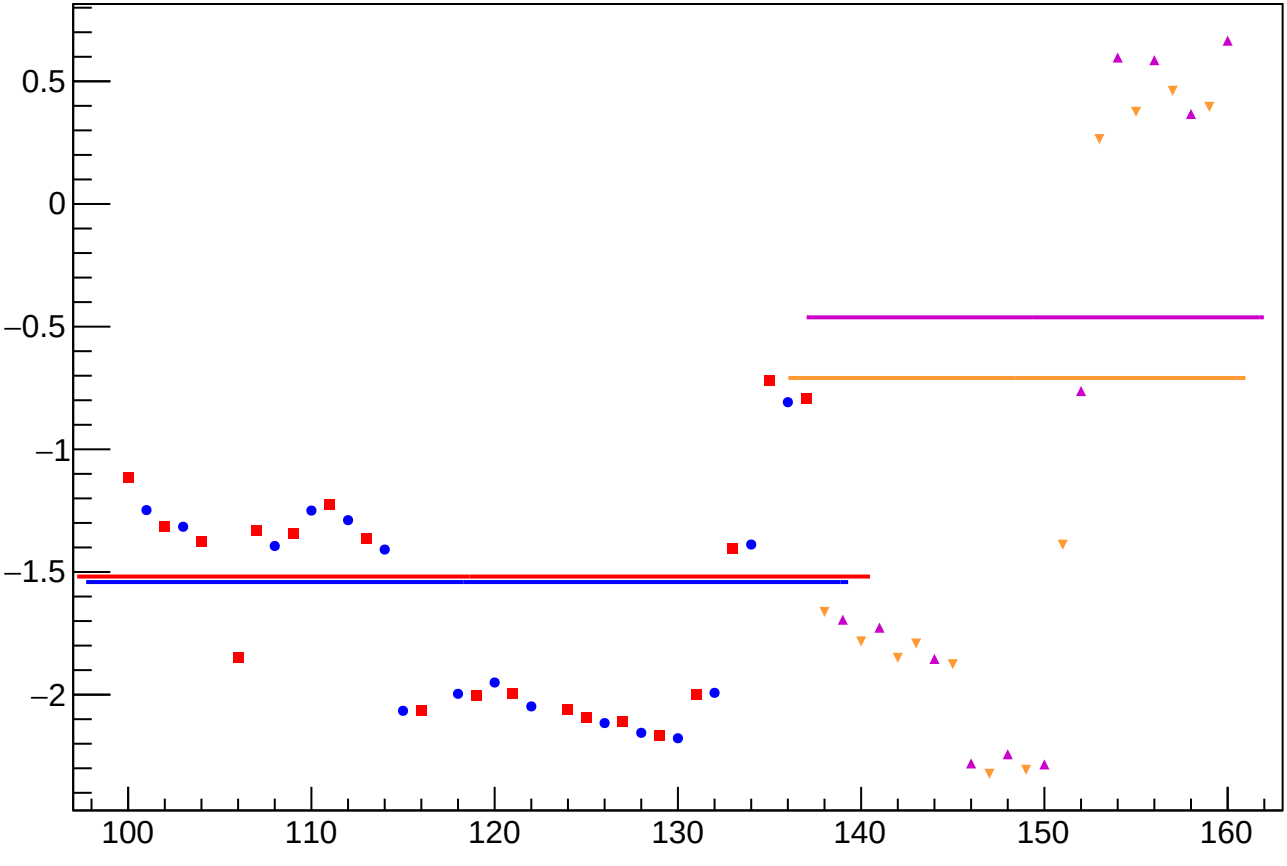
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.009+/-0.000 χ^2/NDF:2583331.1/26

Out: 0.009+/-0.000 χ^2/NDF:2275301.6/30

All: 0.009+/-0.000 χ^2/NDF: 4861886.8/57

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.709+/-0.000 χ^2/NDF:1253829066878.0/11

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -0.462+/-0.000 χ^2/NDF:1378815359441.1/10

Left: -0.585+/-0.000 χ^2/NDF: 2663491885857.2/22

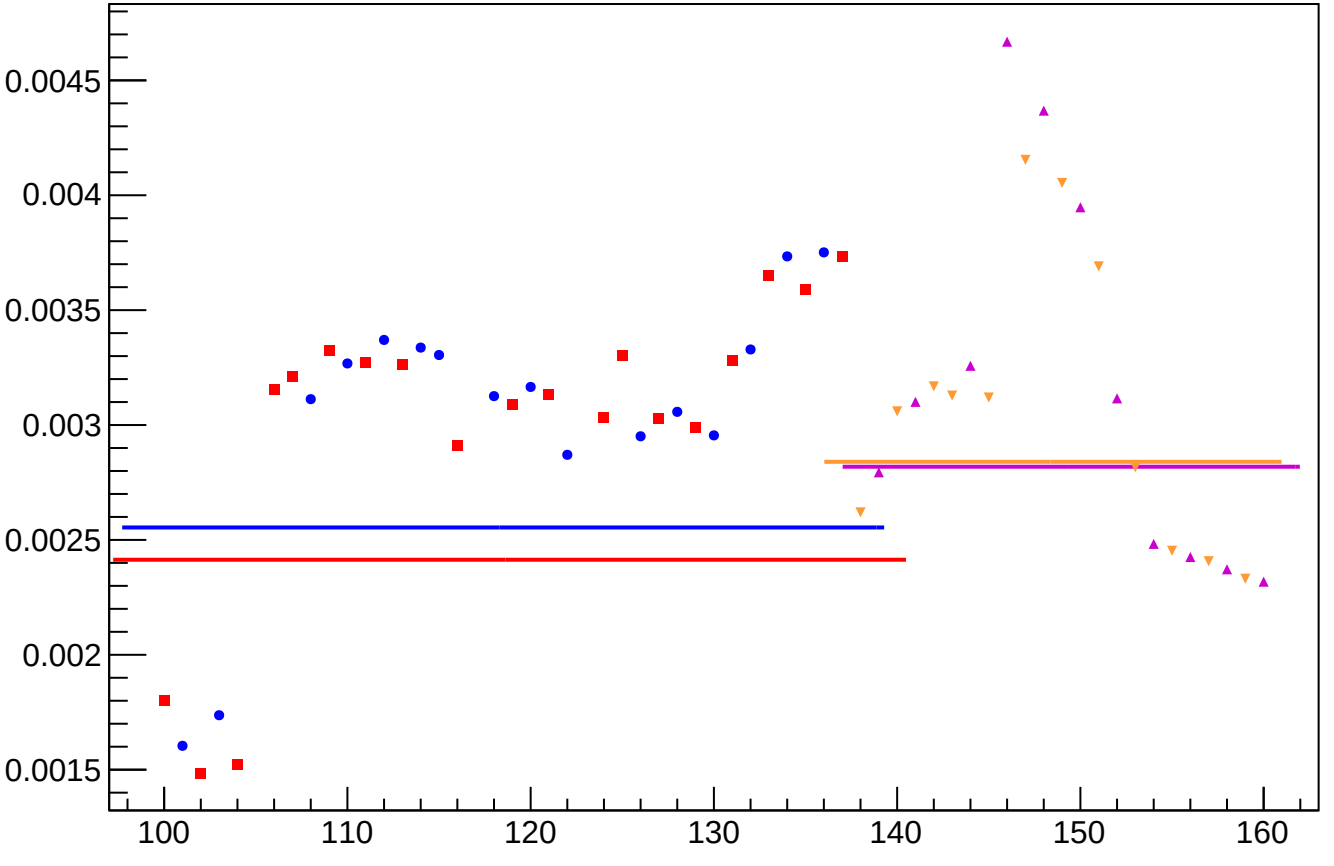
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.978+/-0.000 χ^2/NDF:2105038620288.4/26

Out: -1.116+/-0.000 χ^2/NDF:1730728868101.7/30

All: -1.048+/-0.000 χ^2/NDF: 3854403226217

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:720771.4/10

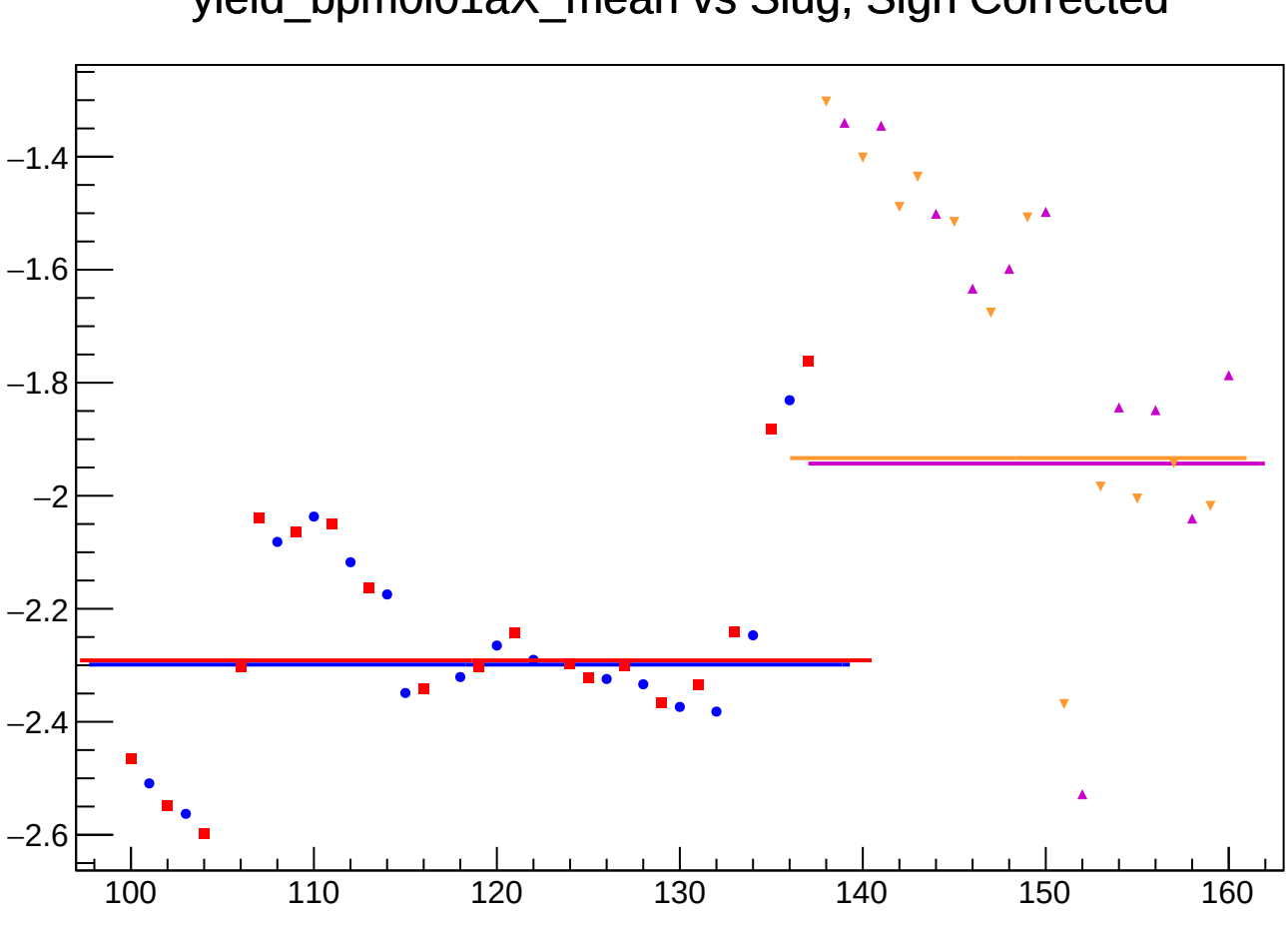
Left: 0.003+/-0.000 χ^2/NDF: 1247632.6/22

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

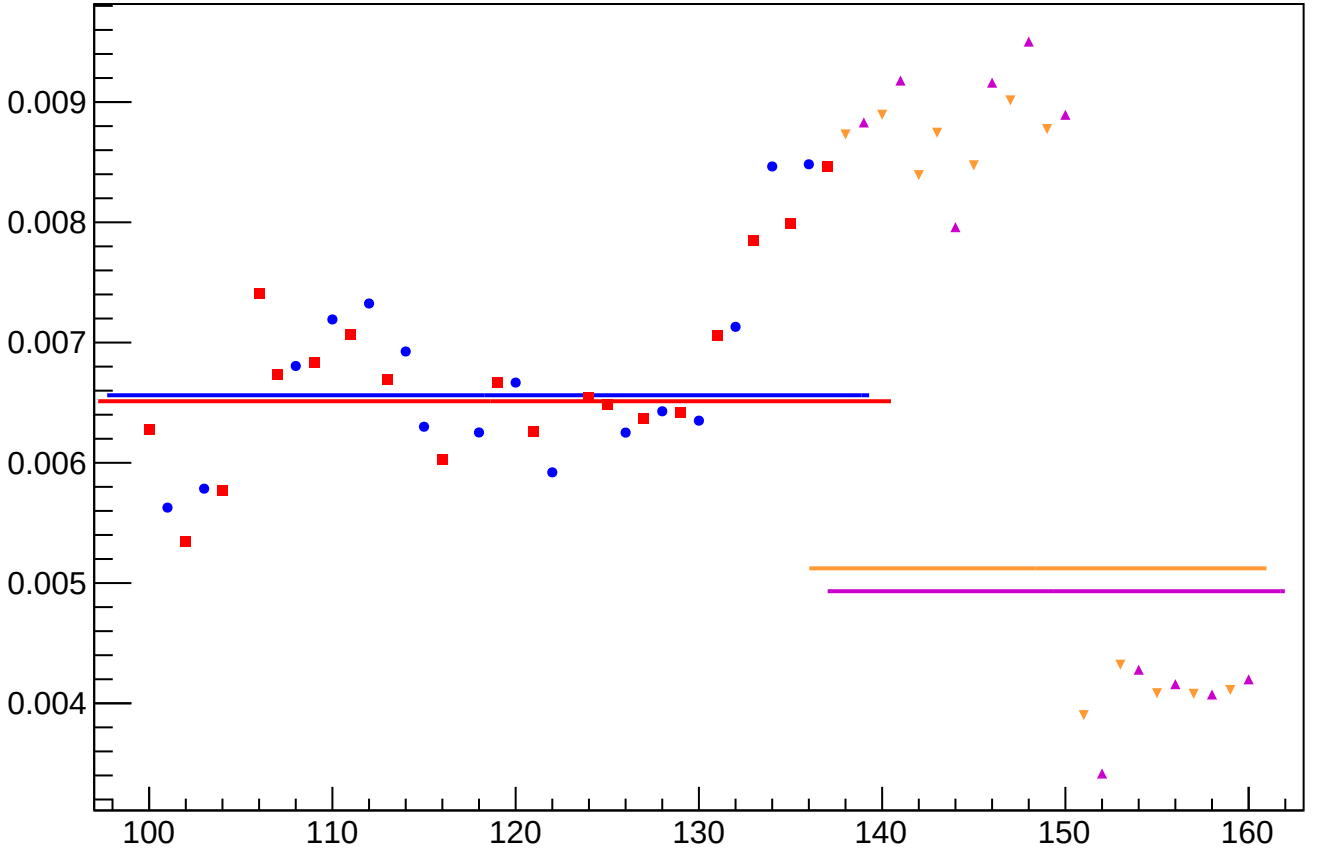
In: 0.003+/-0.000 χ^2/NDF:1960852.4/26

Out: 0.003+/-0.000 χ^2/NDF:2257226.5/30

All: 0.003+/-0.000 χ^2/NDF: 4226729.0/57


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: -1.943+/-0.000 χ²/NDF:40734010346.8/10
Left: -1.938+/-0.000 χ²/NDF: 65632292841.5/22
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.061+/-0.000 χ²/NDF:60465587911.6/26
Out: -2.060+/-0.000 χ²/NDF:45553760254.3/30
All: -2.061+/-0.000 χ²/NDF: 106019397261.5

yield_bpm0i01aX_rms vs Slug, Sign Corrected



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:2533818.9/10

Left: 0.005+/-0.000 χ^2/NDF: 4814536.2/22

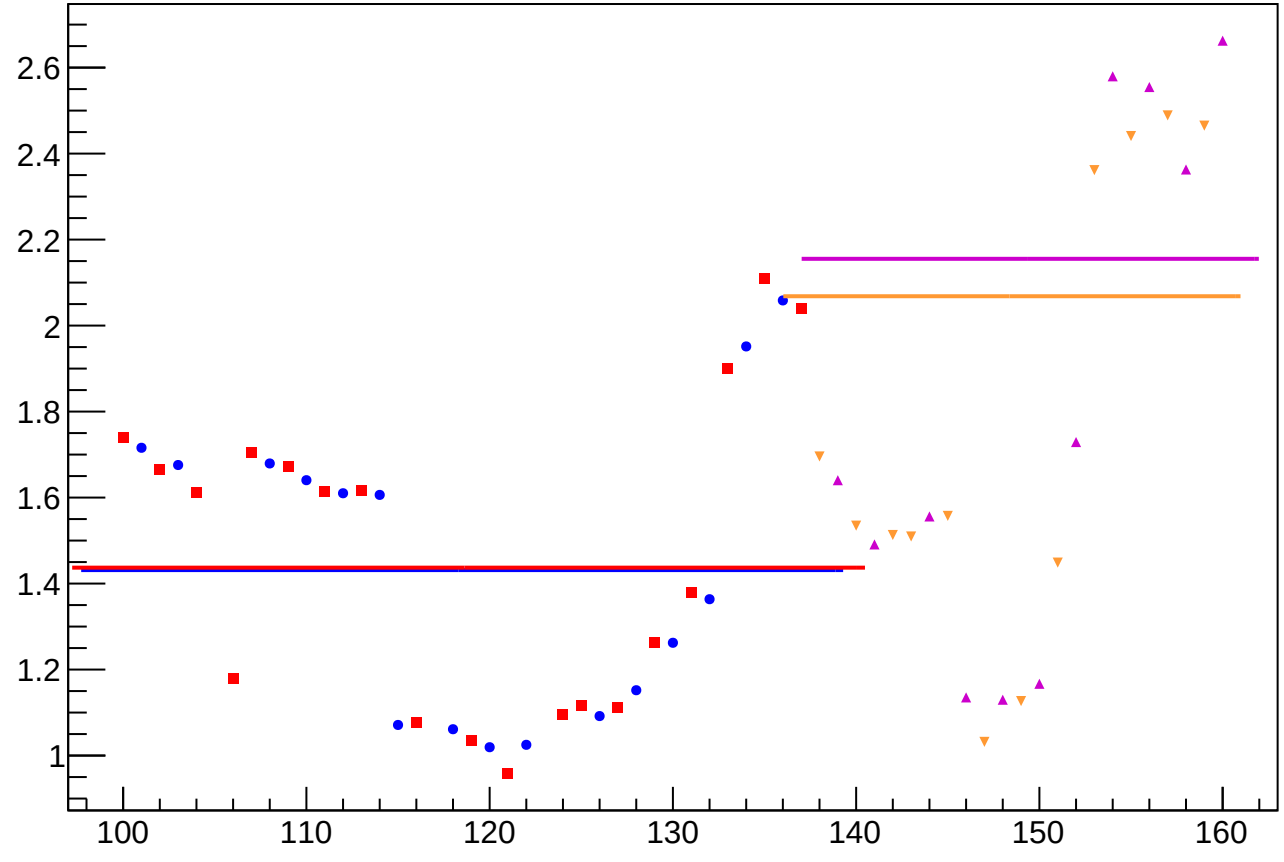
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3326753.8/26

Out: 0.006+/-0.000 χ^2/NDF:2871440.5/30

All: 0.006+/-0.000 χ^2/NDF: 6208093.3/57

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: 2.155+/-0.000 χ^2/NDF:150653309231.2/10

Left: 2.112+/-0.000 χ^2/NDF: 284086948803.2/22

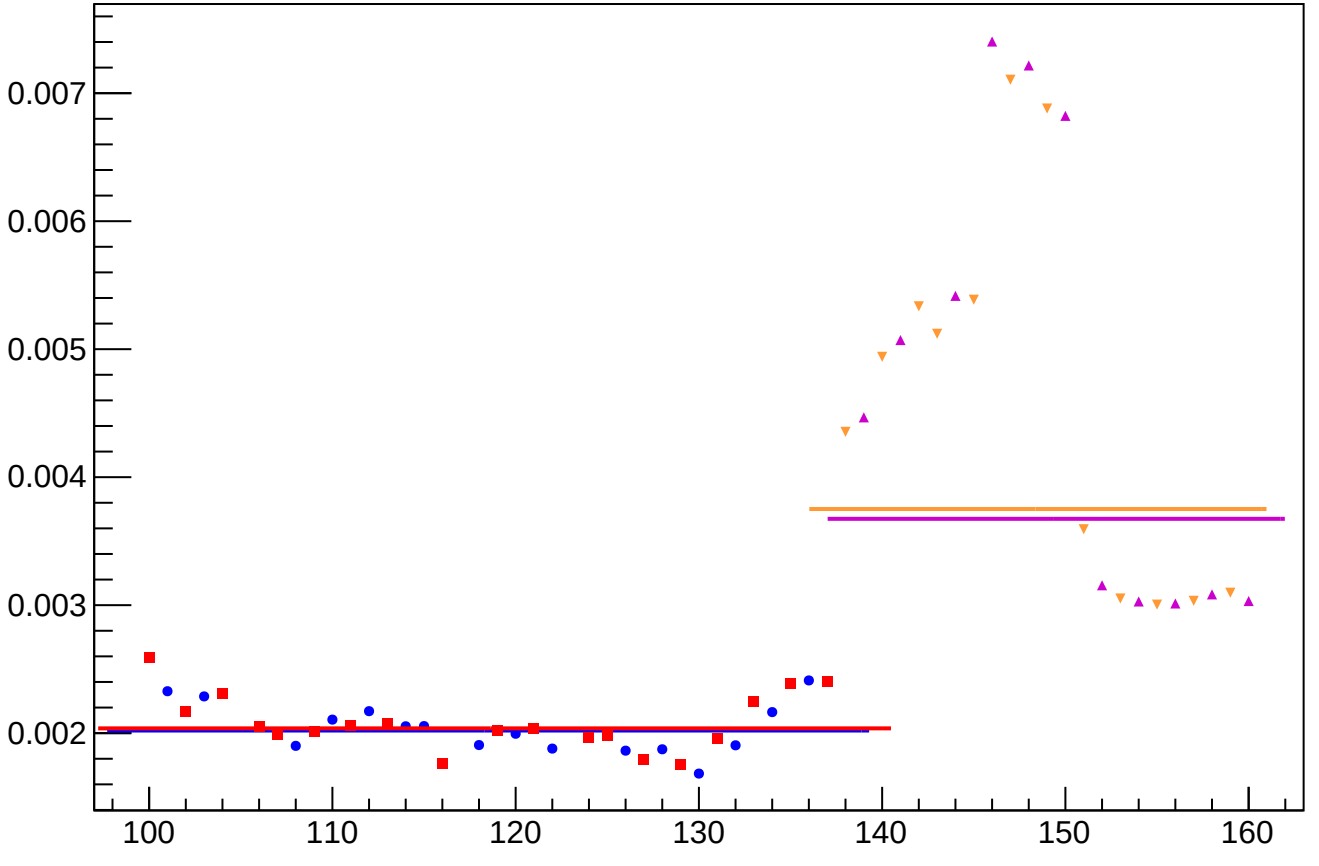
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.624+/-0.000 χ^2/NDF:566080321888.9/26

Out: 1.601+/-0.000 χ^2/NDF:482211939639.0/30

All: 1.612+/-0.000 χ^2/NDF: 1048850264495.

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:1667295.6/10

Left: 0.004+/-0.000 χ^2/NDF: 3028292.4/22

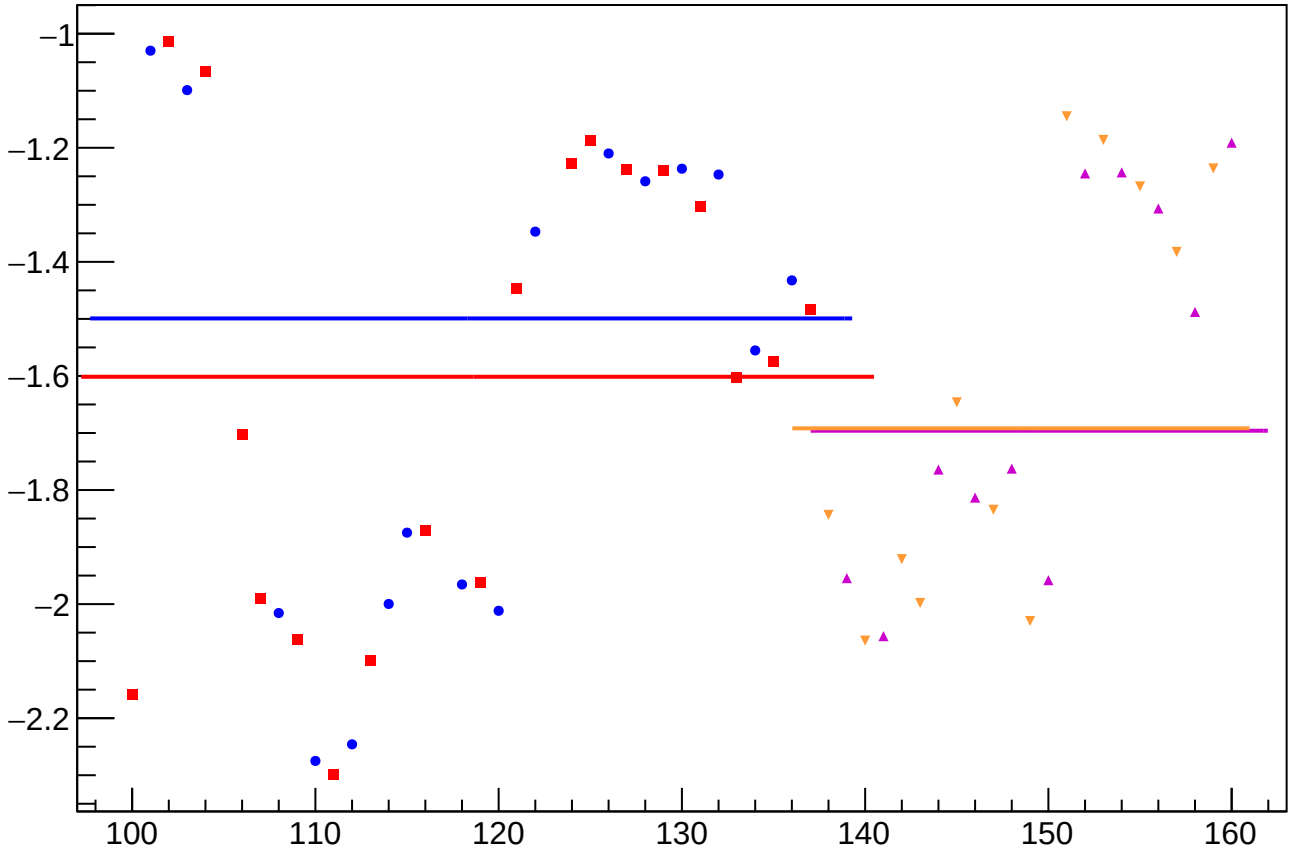
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:4184243.5/26

Out: 0.002+/-0.000 χ^2/NDF:3962617.0/30

All: 0.002+/-0.000 χ^2/NDF: 8148048.3/57

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: -1.696+/-0.000 χ^2/NDF:18326867043.2/10

Left: -1.694+/-0.000 χ^2/NDF: 43429928461.2/22

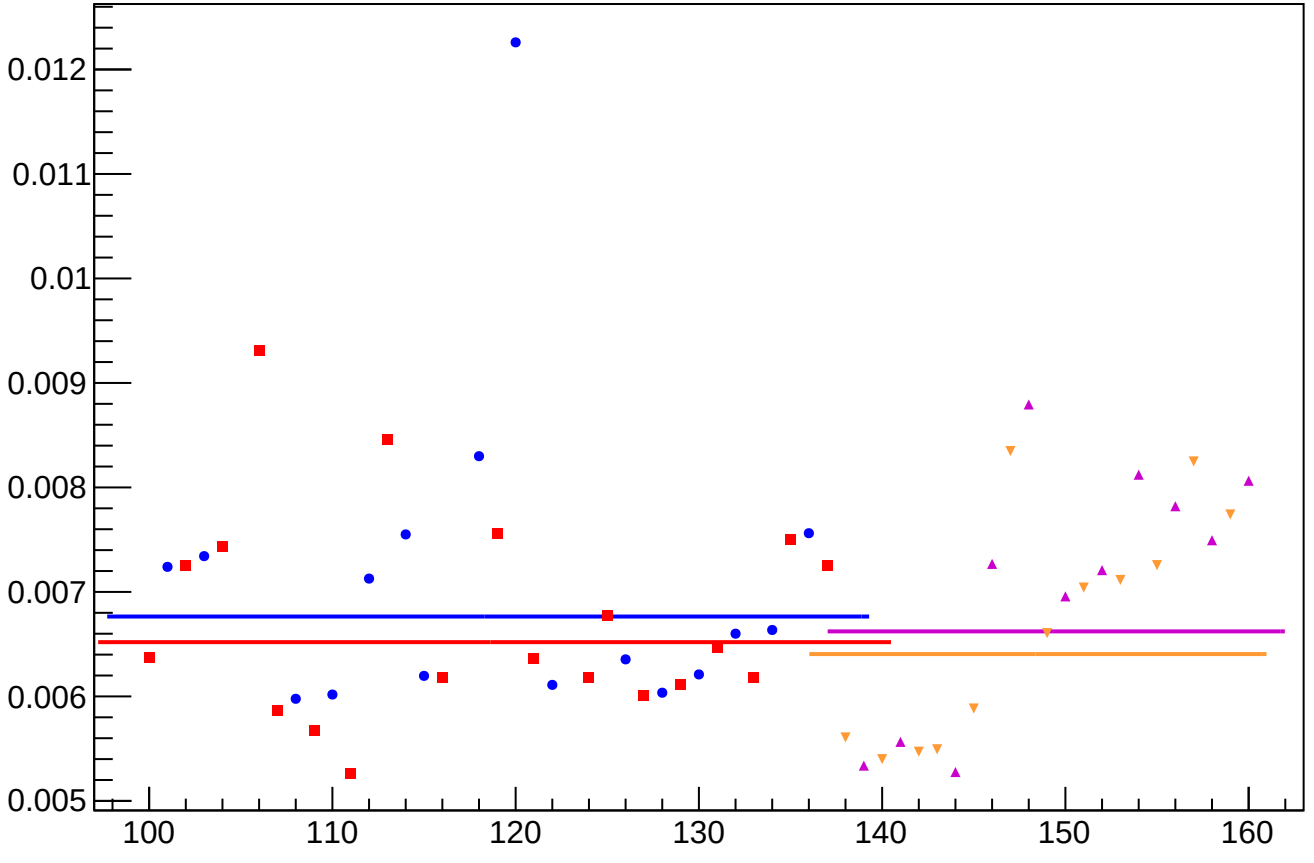
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.613+/-0.000 χ^2/NDF:44445590051.7/26

Out: -1.653+/-0.000 χ^2/NDF:54178797869.7/30

All: -1.634+/-0.000 χ^2/NDF: 98900494582.6/

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:549960.9/10

Left: 0.007+/-0.000 χ^2/NDF: 981903.8/22

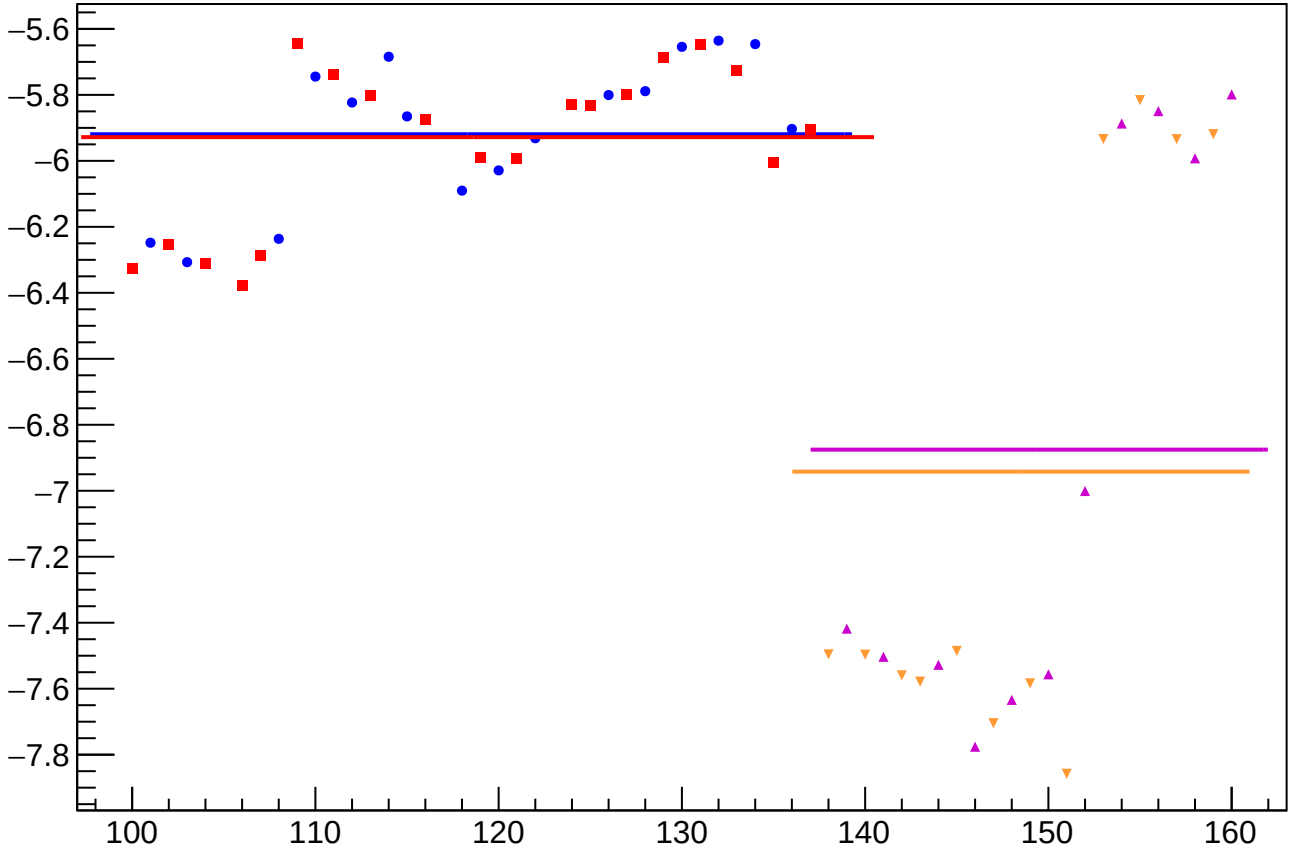
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:791853.8/26

Out: 0.006+/-0.000 χ^2/NDF:670135.6/30

All: 0.007+/-0.000 χ^2/NDF: 1480408.5/57

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: -6.875+/-0.000 χ^2/NDF:47471545549.6/10

Left: -6.909+/-0.000 χ^2/NDF: 103951569637.9/22

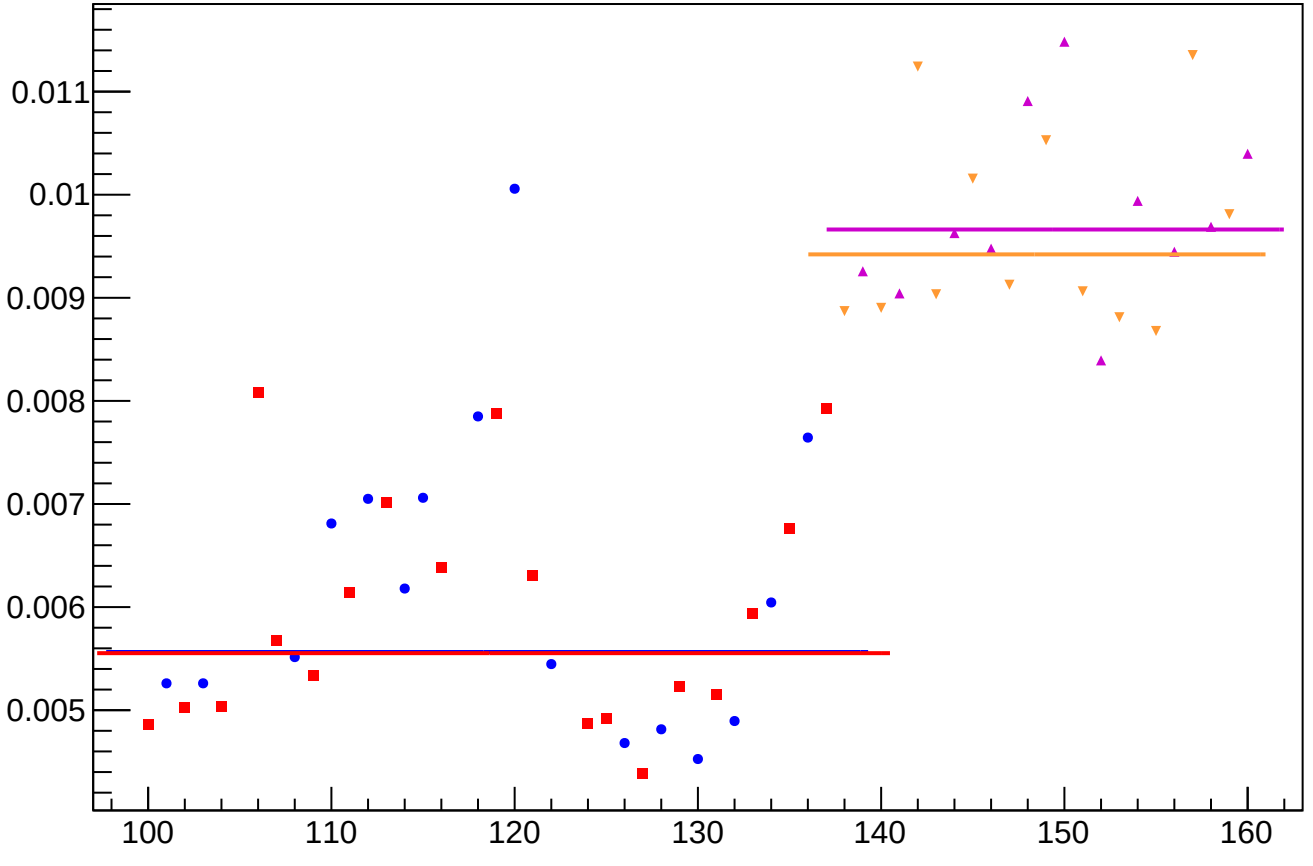
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.187+/-0.000 χ^2/NDF:109998184956.3/26

Out: -6.206+/-0.000 χ^2/NDF:128384974180.5/30

All: -6.197+/-0.000 χ^2/NDF: 238433599102.4

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:99383.7/10

Left: 0.010+/-0.000 χ^2/NDF: 210375.3/22

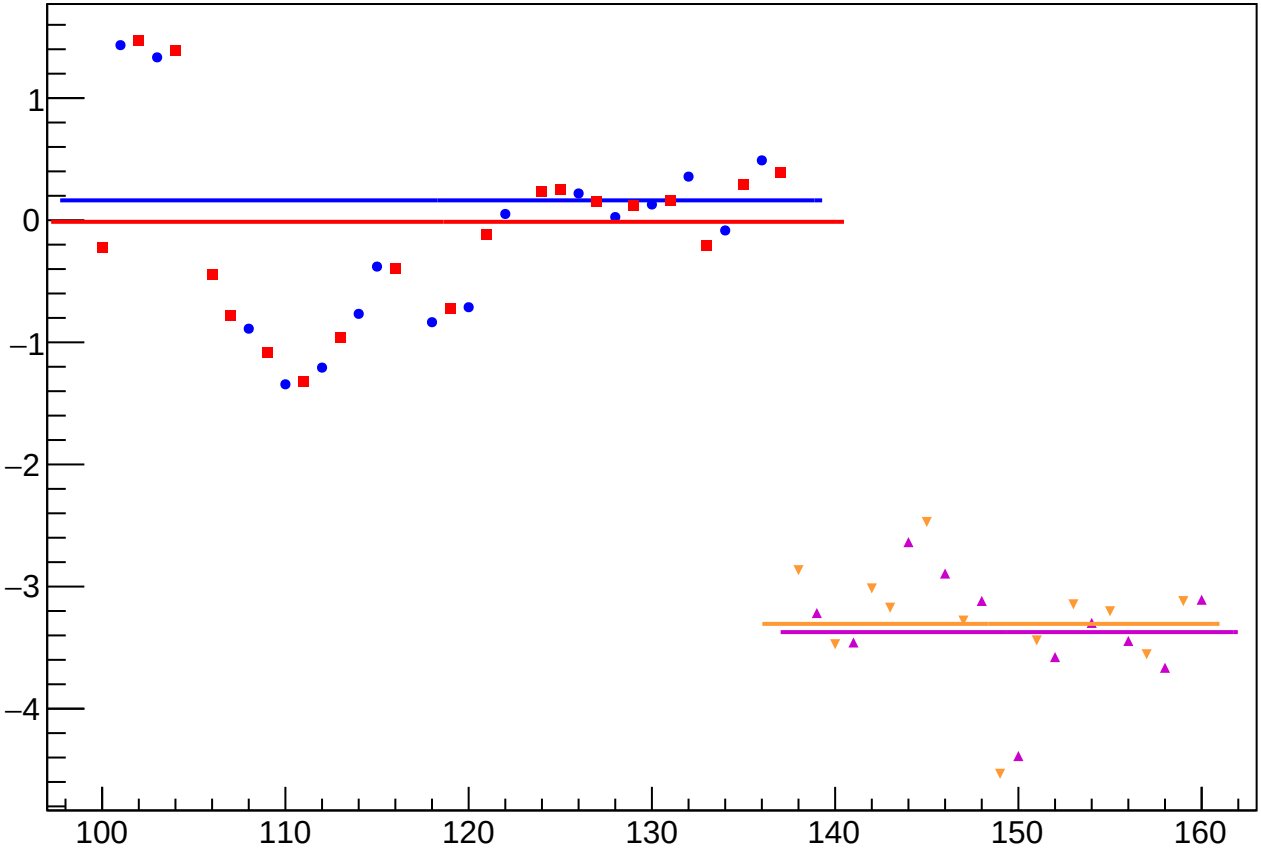
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2461503.4/26

Out: 0.007+/-0.000 χ^2/NDF:2200892.3/30

All: 0.007+/-0.000 χ^2/NDF: 4665161.2/57

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: -3.373+/-0.000 χ^2/NDF:5229796555.8/10

Left: -3.339+/-0.000 χ^2/NDF: 11905403938.5/22

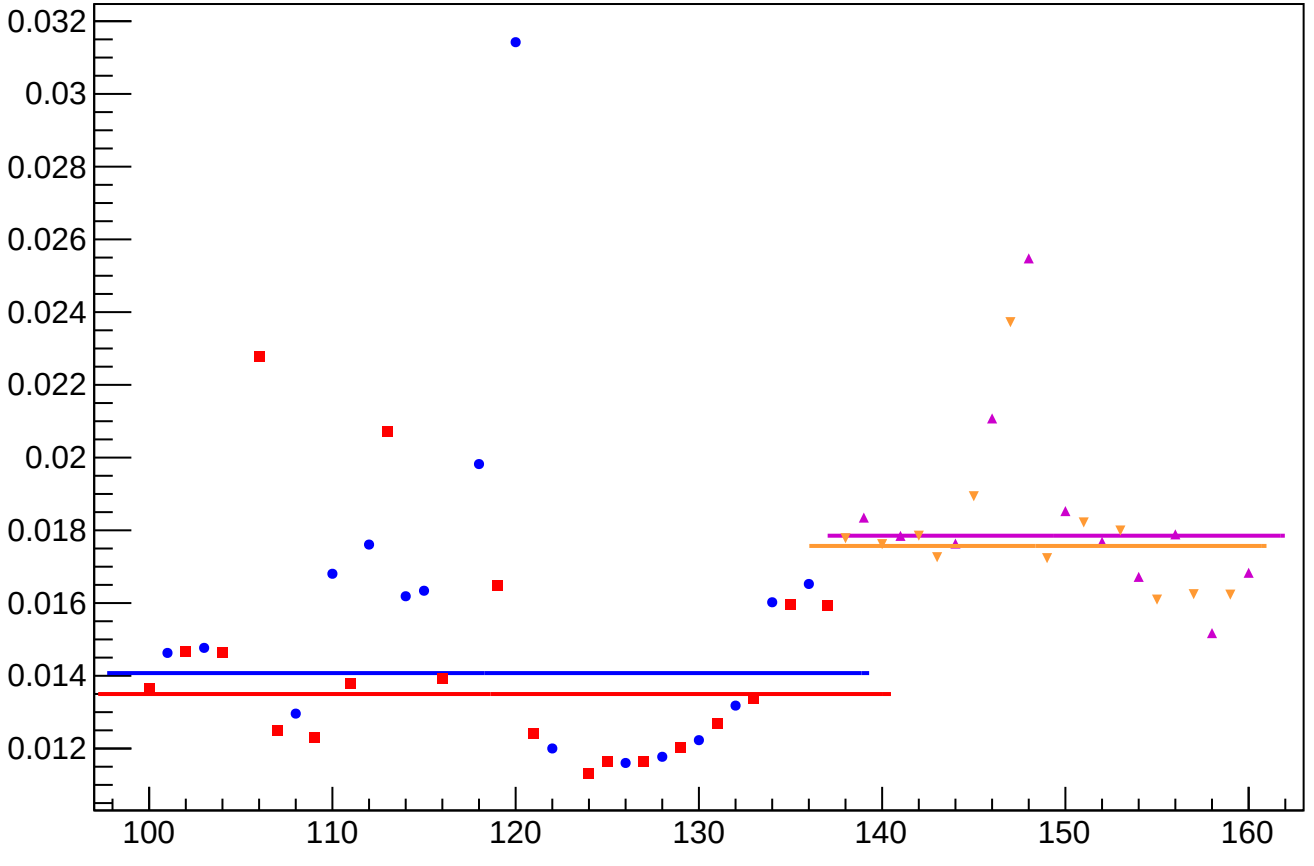
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.490+/-0.000 χ^2/NDF:209220532835.6/26

Out: -1.456+/-0.000 χ^2/NDF:205723176382.1/30

All: -1.472+/-0.000 χ^2/NDF: 414981149414.5

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:243006.4/10

Left: 0.018+/-0.000 χ^2/NDF: 393921.1/22

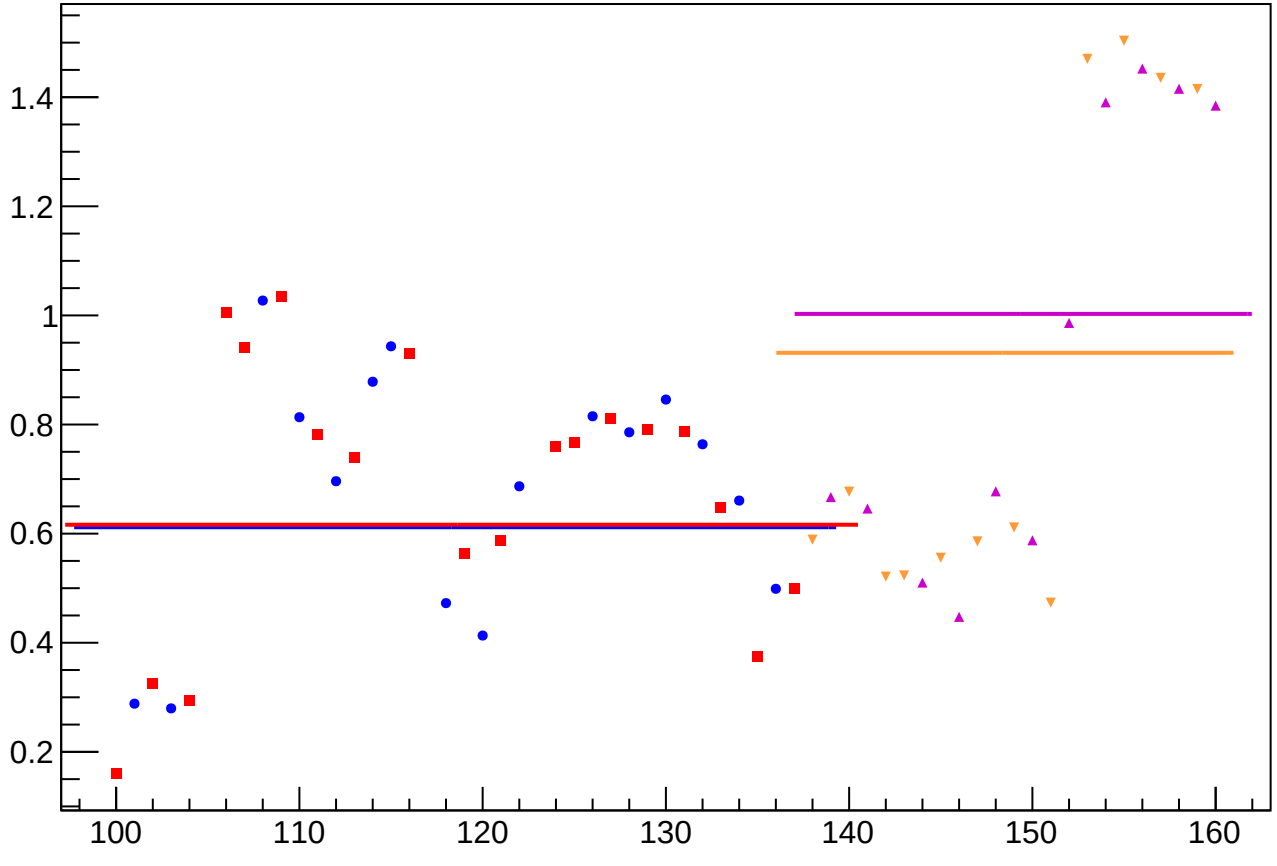
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1133273.4/26

Out: 0.015+/-0.000 χ^2/NDF:1003784.2/30

All: 0.016+/-0.000 χ^2/NDF: 2156594.7/57

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: 1.003+/-0.000 χ^2/NDF:20748615888.3/10

Left: 0.969+/-0.000 χ^2/NDF: 43916767519.1/22

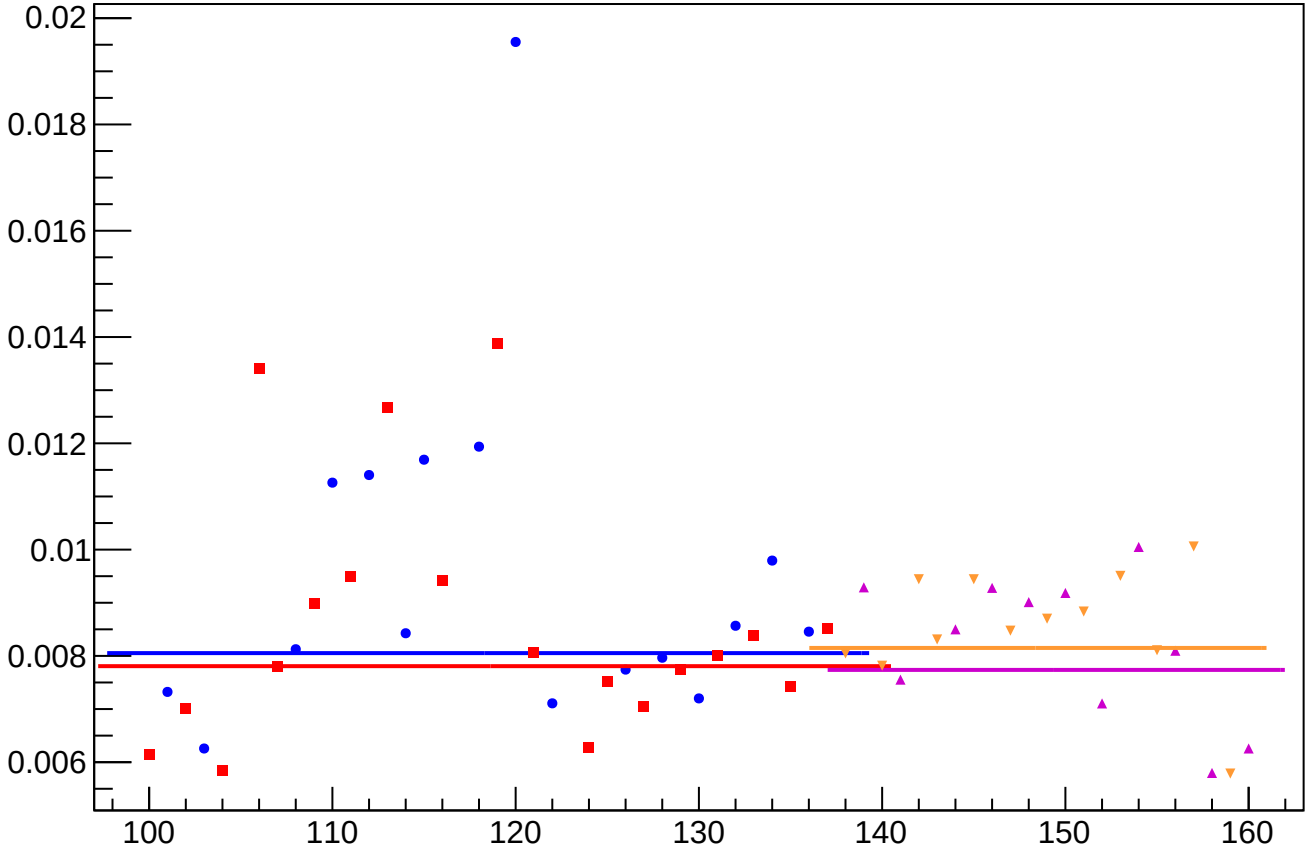
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.843+/-0.000 χ^2/NDF:34922583841.3/26

Out: 0.786+/-0.000 χ^2/NDF:34876037333.2/30

All: 0.814+/-0.000 χ^2/NDF: 70172144066.3/5

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:524962.9/10

Left: 0.008+/-0.000 χ^2/NDF: 946143.9/22

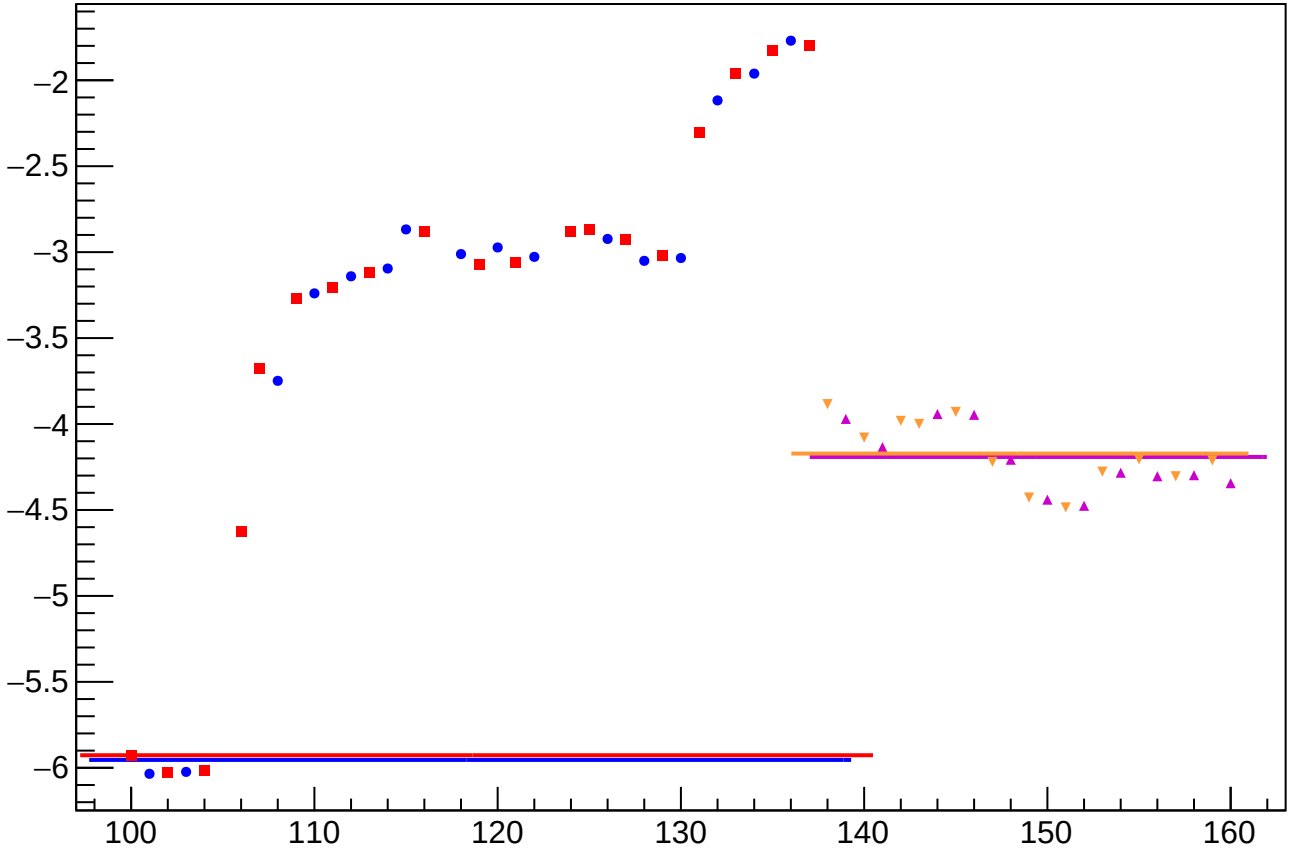
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1134422.6/26

Out: 0.008+/-0.000 χ^2/NDF:999599.7/30

All: 0.008+/-0.000 χ^2/NDF: 2137630.8/57

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: -4.192+/-0.000 χ^2/NDF:39232400.0/10

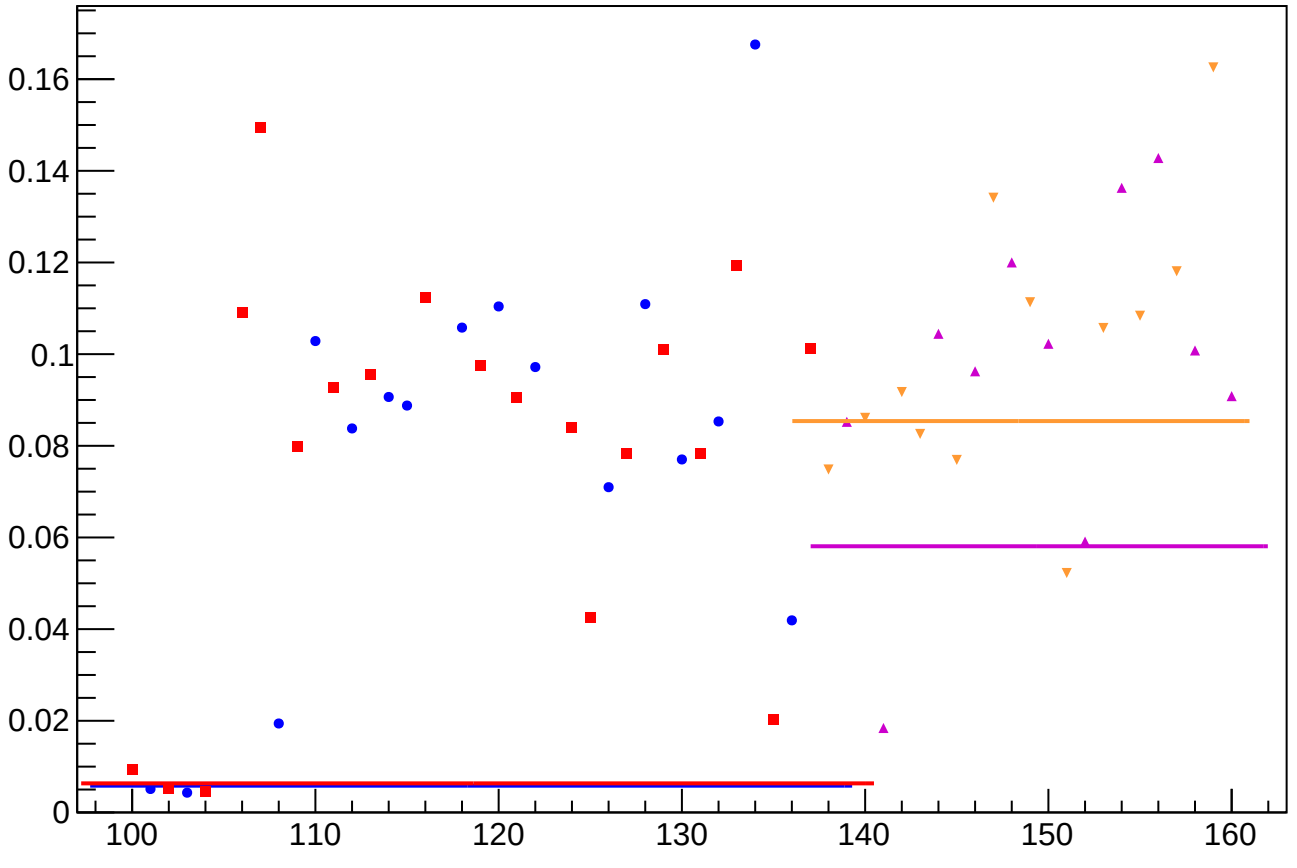
Left: -4.183+/-0.000 χ^2/NDF: 90683070.0/22

Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.906+/-0.000 χ^2/NDF:17543313579.3/26

Out: -5.885+/-0.000 χ^2/NDF:17073193815.3/30

All: -5.896+/-0.000 χ^2/NDF: 34626467494.8/



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: 0.058+/-0.000 χ^2/NDF:4899961.6/10

Left: 0.069+/-0.000 χ^2/NDF: 7136207.6/22

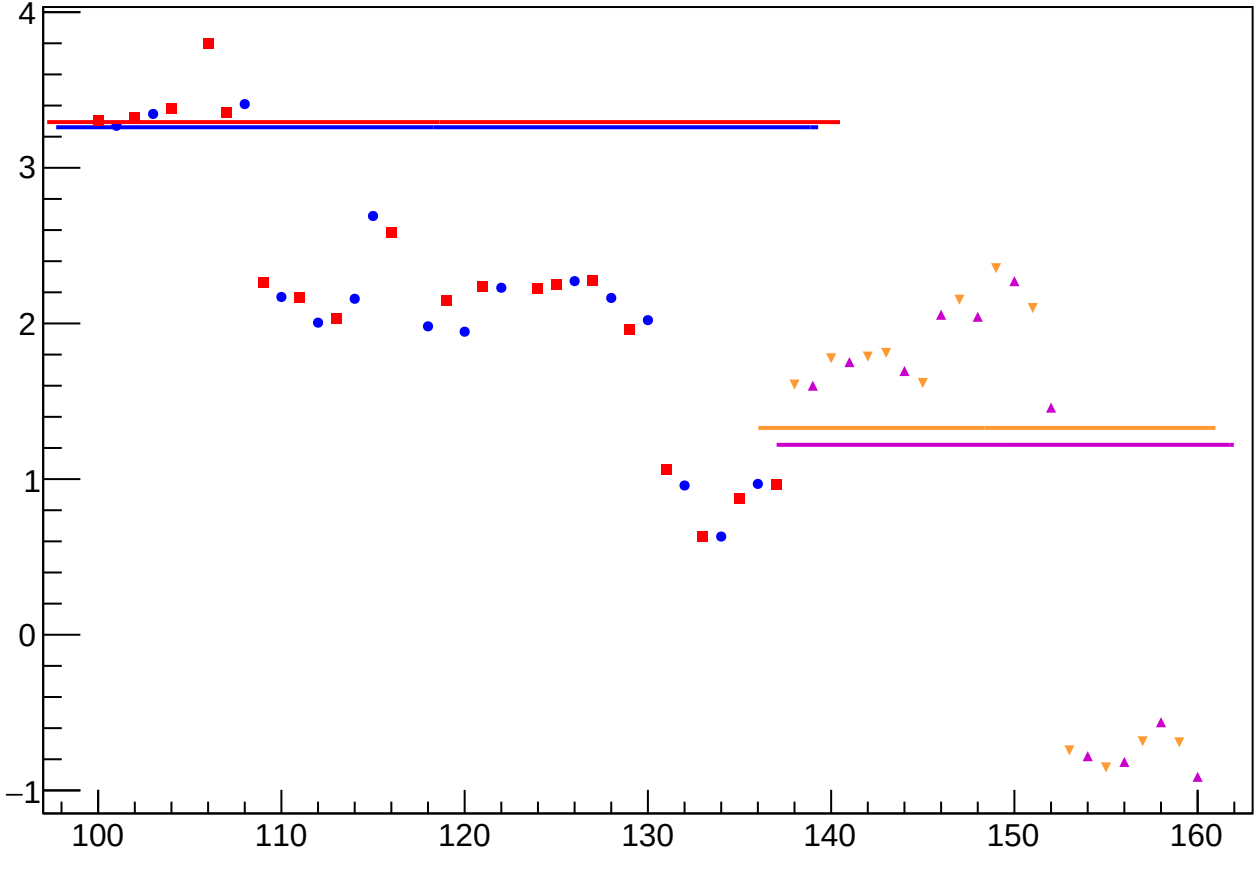
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:21338128.8/26

Out: 0.008+/-0.000 χ^2/NDF:22661887.4/30

All: 0.008+/-0.000 χ^2/NDF: 44042508.9/57

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: 1.220+/-0.000 χ^2/NDF:1058748805.6/10

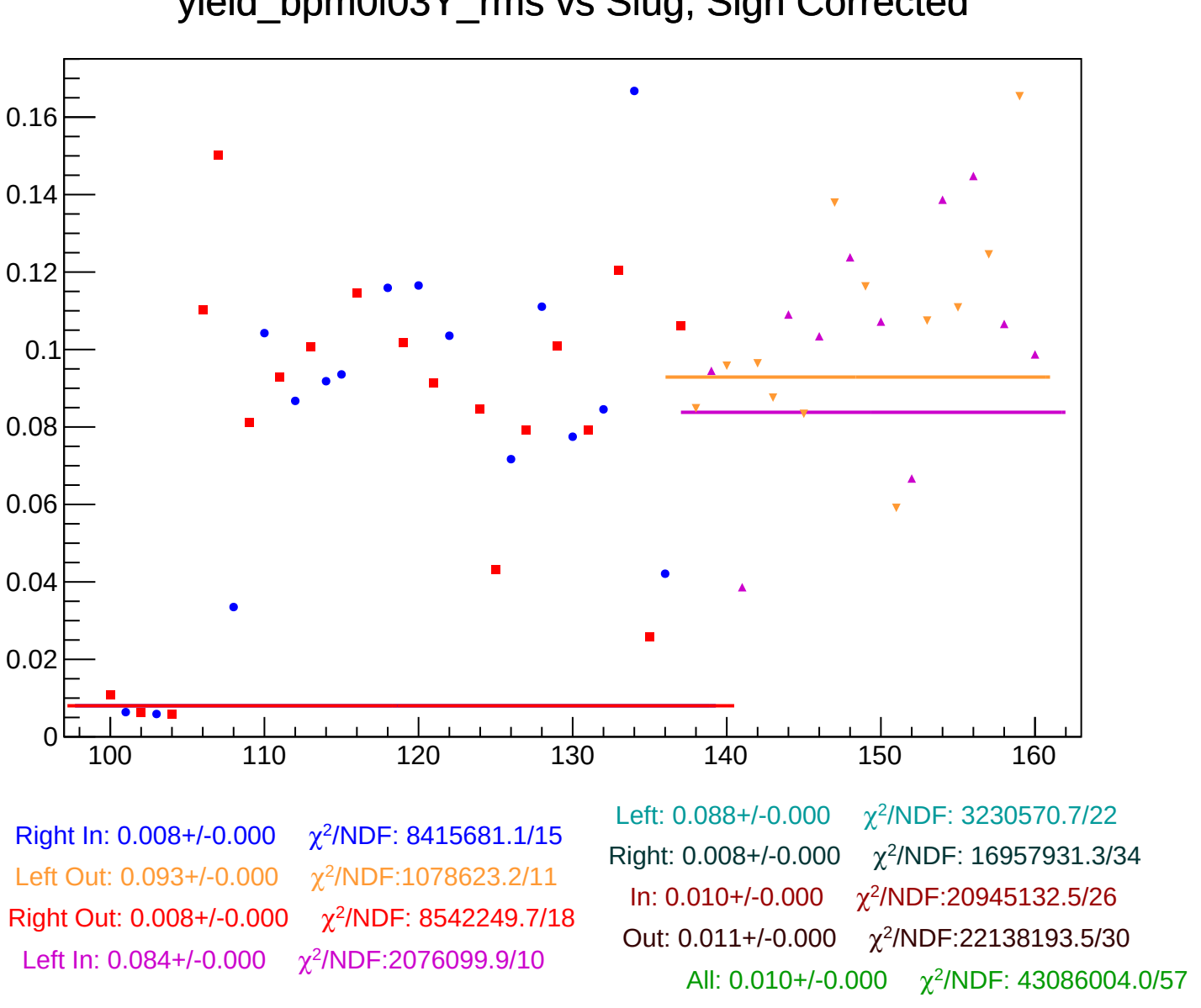
Left: 1.273+/-0.000 χ^2/NDF: 2142535175.9/22

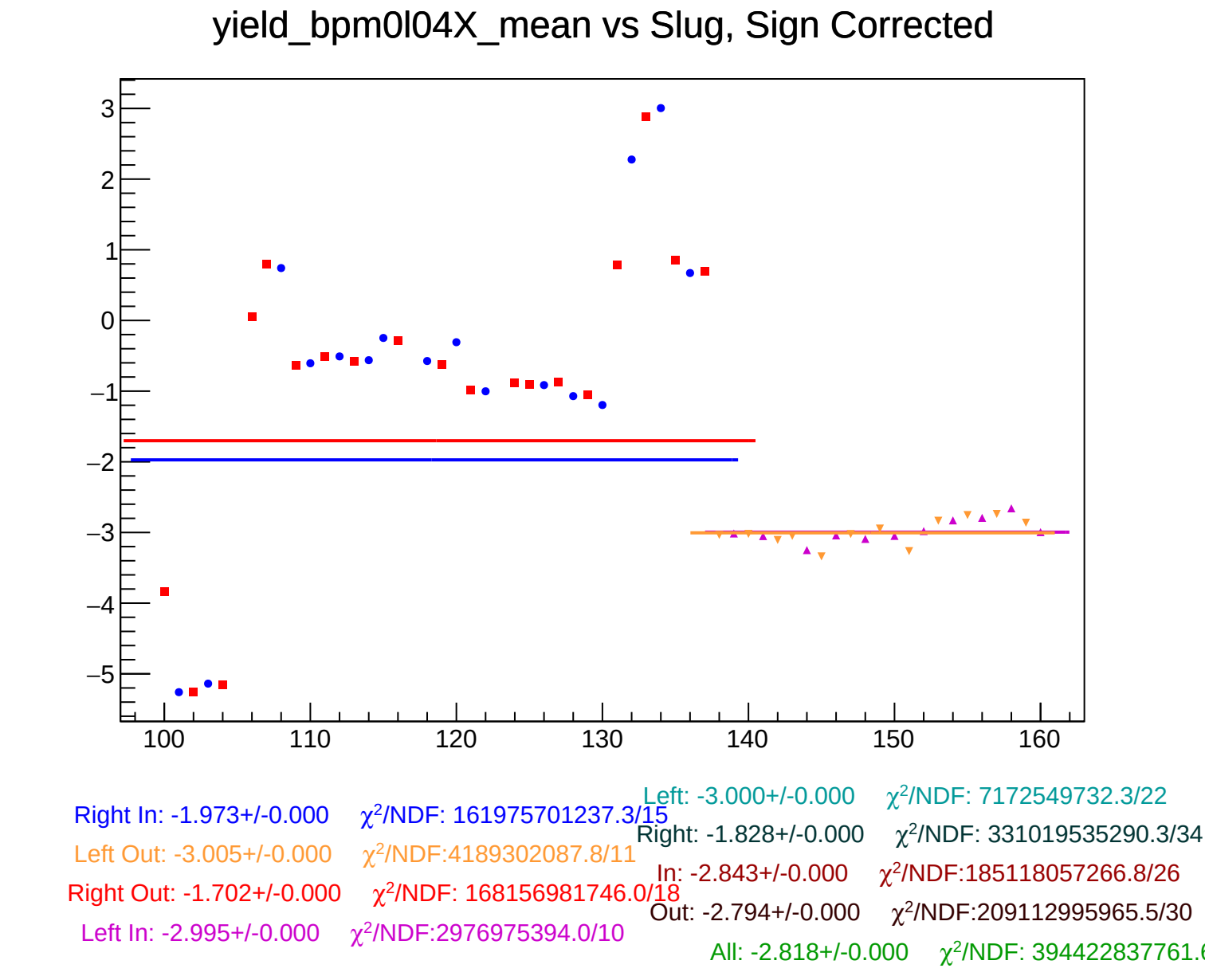
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

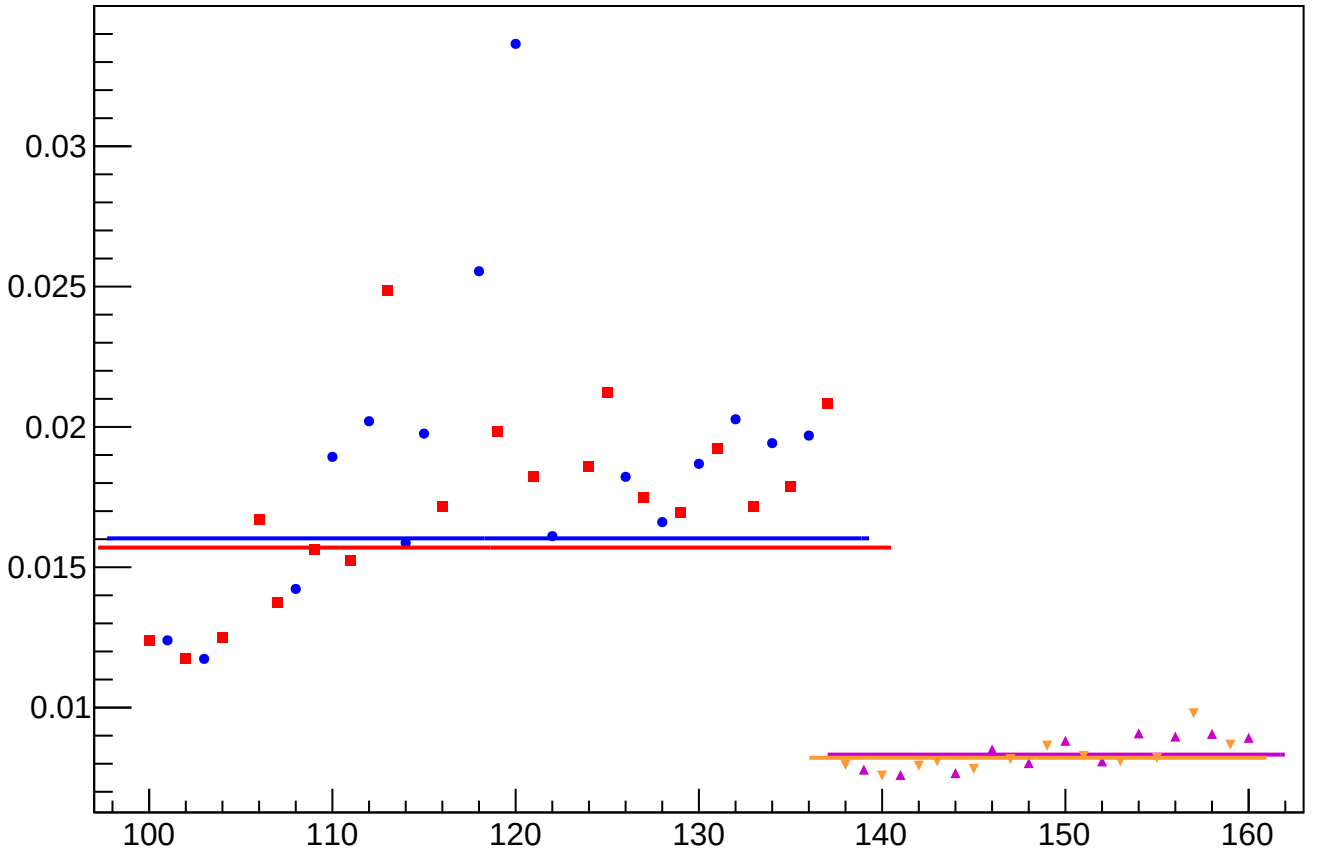
In: 3.201+/-0.000 χ^2/NDF:7858530418.8/26

Out: 3.235+/-0.000 χ^2/NDF:7676460552.4/30

All: 3.217+/-0.000 χ^2/NDF: 15553654526.4/5


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: 0.084+/-0.000 χ²/NDF:2076099.9/10
Left: 0.088+/-0.000 χ²/NDF: 3230570.7/22
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.010+/-0.000 χ²/NDF:20945132.5/26
Out: 0.011+/-0.000 χ²/NDF:22138193.5/30
All: 0.010+/-0.000 χ²/NDF: 43086004.0/57


yield_bpm0l04X_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
Right In: -1.973+/-0.000 χ²/NDF: 161975701237.3/15
Left Out: -3.005+/-0.000 χ²/NDF:4189302087.8/11
Right Out: -1.702+/-0.000 χ²/NDF: 168156981746.0/18
Left In: -2.995+/-0.000 χ²/NDF:2976975394.0/10
Left: -3.000+/-0.000 χ²/NDF: 7172549732.3/22
Right: -1.828+/-0.000 χ²/NDF: 331019535290.3/34
In: -2.843+/-0.000 χ²/NDF:185118057266.8/26
Out: -2.794+/-0.000 χ²/NDF:209112995965.5/30
All: -2.818+/-0.000 χ²/NDF: 394422837761.6



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:83162.1/10

Left: 0.008+/-0.000 χ^2/NDF: 152052.9/22

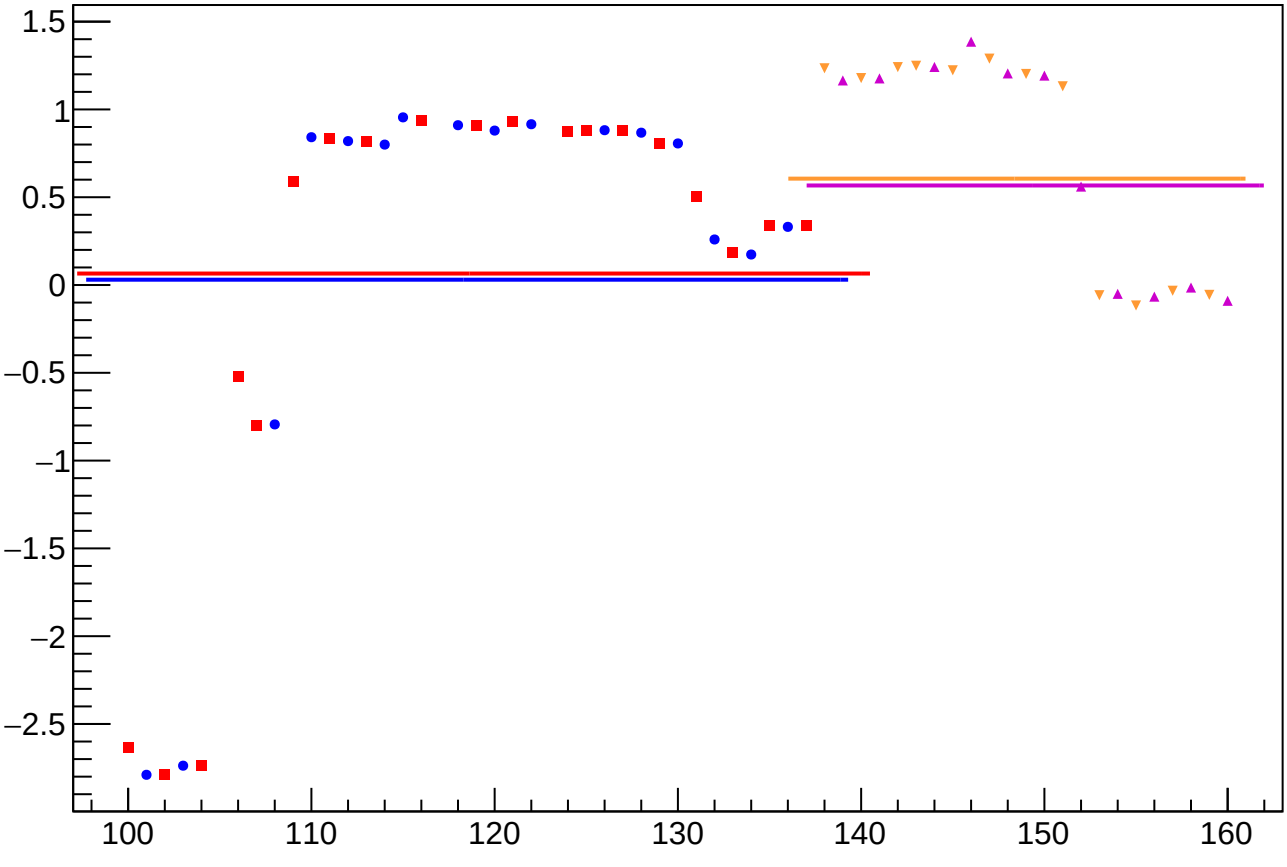
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3109213.7/26

Out: 0.009+/-0.000 χ^2/NDF:2999675.7/30

All: 0.009+/-0.000 χ^2/NDF: 6109181.9/57

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: 0.567+/-0.000 χ^2/NDF:54793573326.6/10

Left: 0.587+/-0.000 χ^2/NDF: 118113881421.0/22

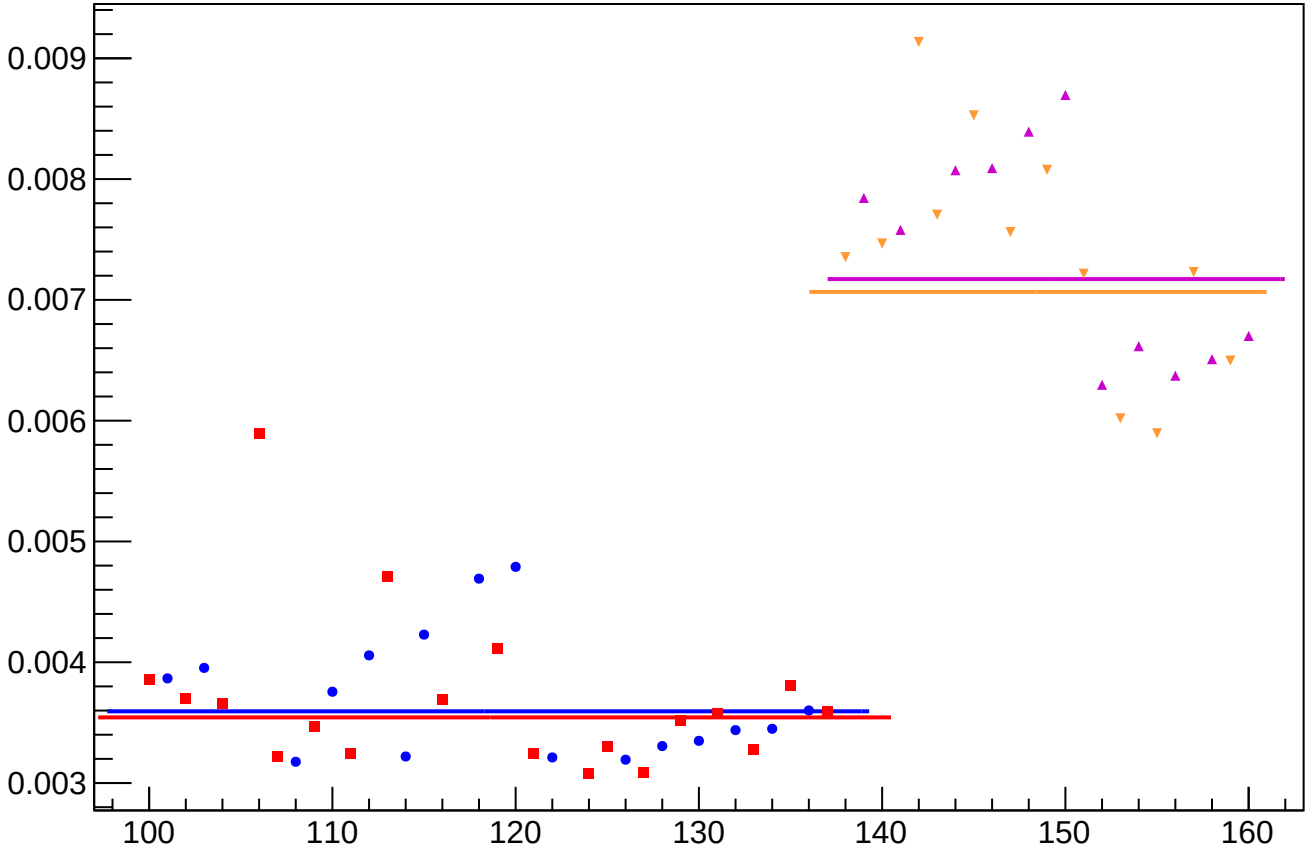
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.151+/-0.000 χ^2/NDF:940181716871.4/26

Out: 0.181+/-0.000 χ^2/NDF:1033771907181.2/30

All: 0.167+/-0.000 χ^2/NDF: 1974275683922.

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:207581.5/10

Left: 0.007+/-0.000 χ^2/NDF: 439780.0/22

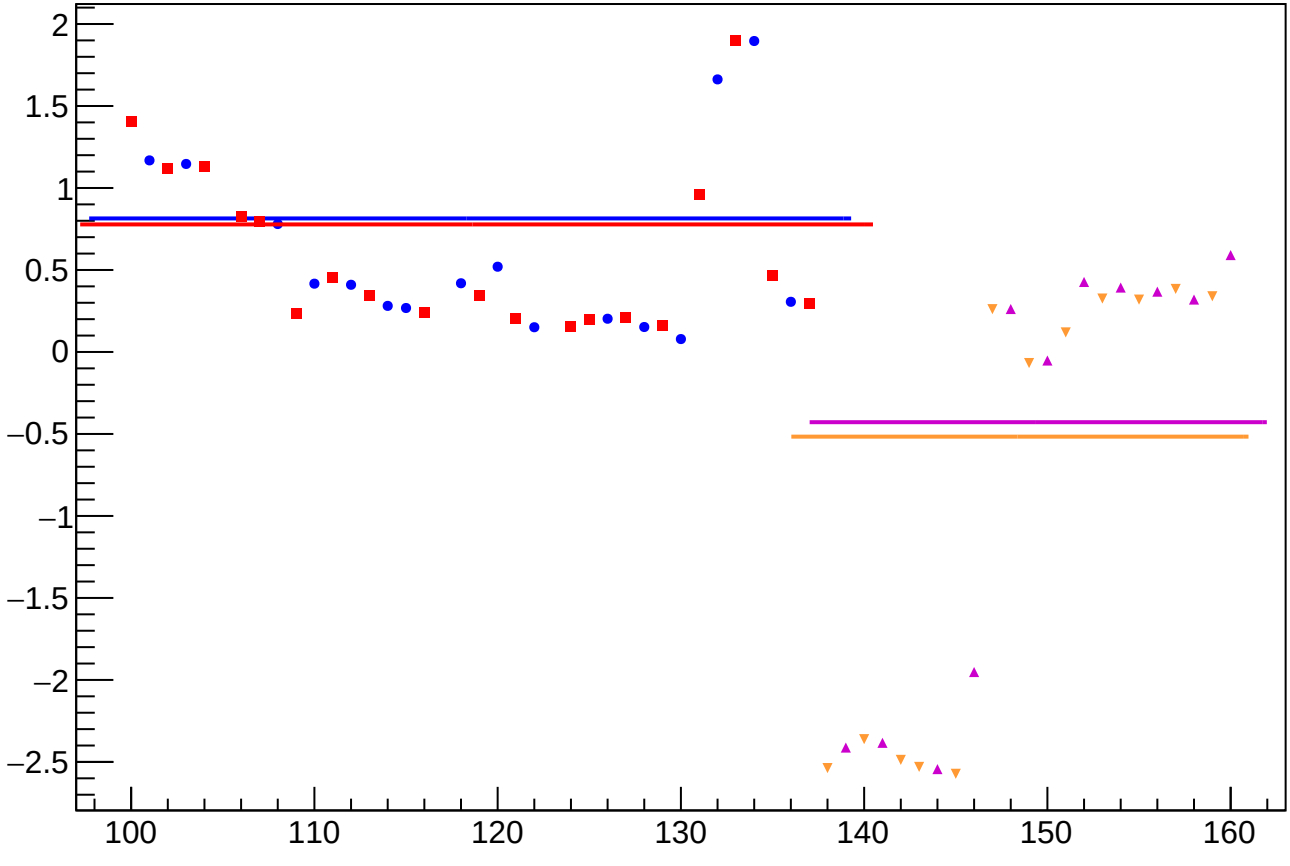
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3386015.2/26

Out: 0.004+/-0.000 χ^2/NDF:3435888.3/30

All: 0.004+/-0.000 χ^2/NDF: 6828584.8/57

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: -0.428+/-0.000 χ^2/NDF:297203820369.9/10

Left: -0.473+/-0.000 χ^2/NDF: 615941878415.9/22

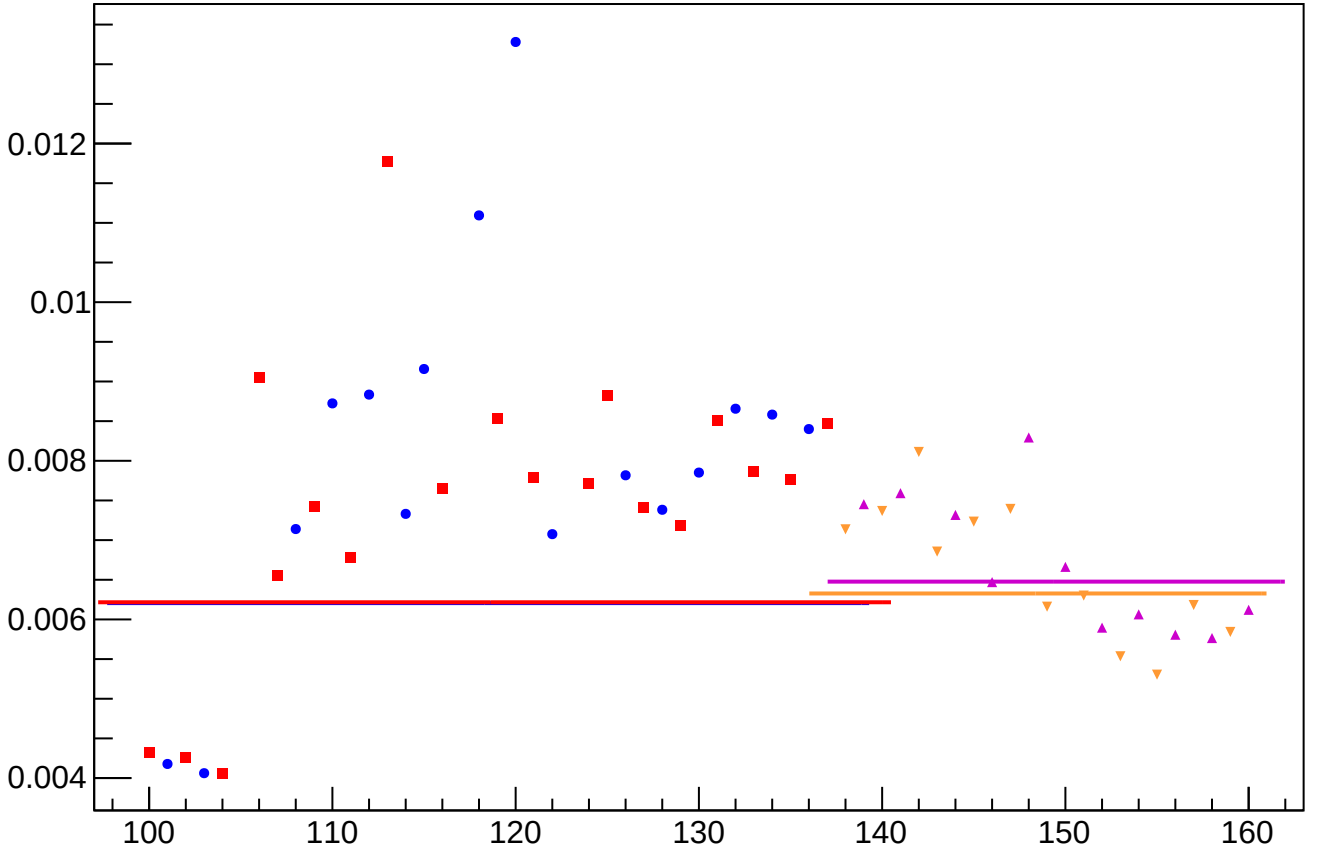
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.090+/-0.000 χ^2/NDF:462402212304.8/26

Out: 0.039+/-0.000 χ^2/NDF:501265565647.5/30

All: 0.064+/-0.000 χ^2/NDF: 964144110706.5

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:243591.3/11

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:225135.9/10

Left: 0.006+/-0.000 χ^2/NDF: 473285.3/22

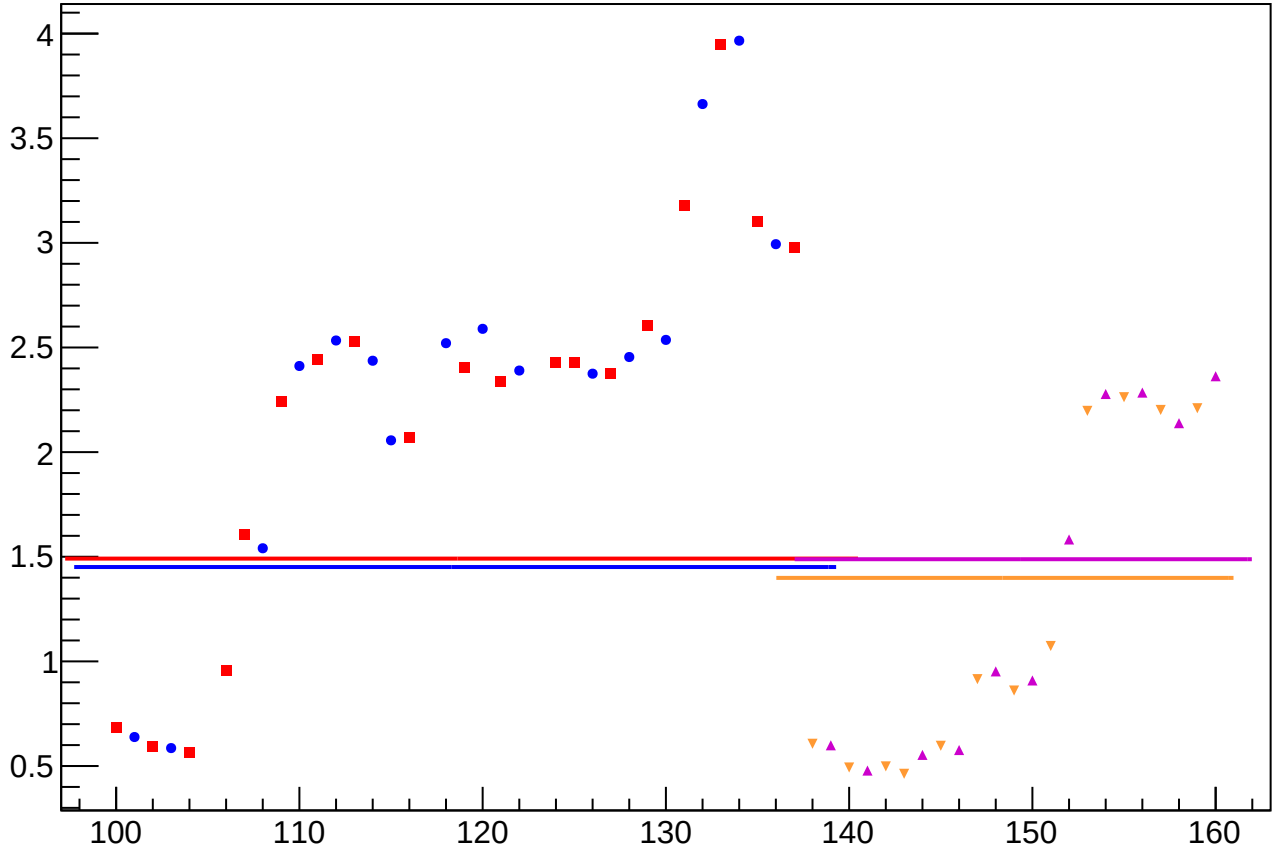
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1661332.1/26

Out: 0.006+/-0.000 χ^2/NDF:1406891.0/30

All: 0.006+/-0.000 χ^2/NDF: 3070719.1/57

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: 1.488+/-0.000 χ^2/NDF:107388445669.0/10

Left: 1.443+/-0.000 χ^2/NDF: 218594178074.6/22

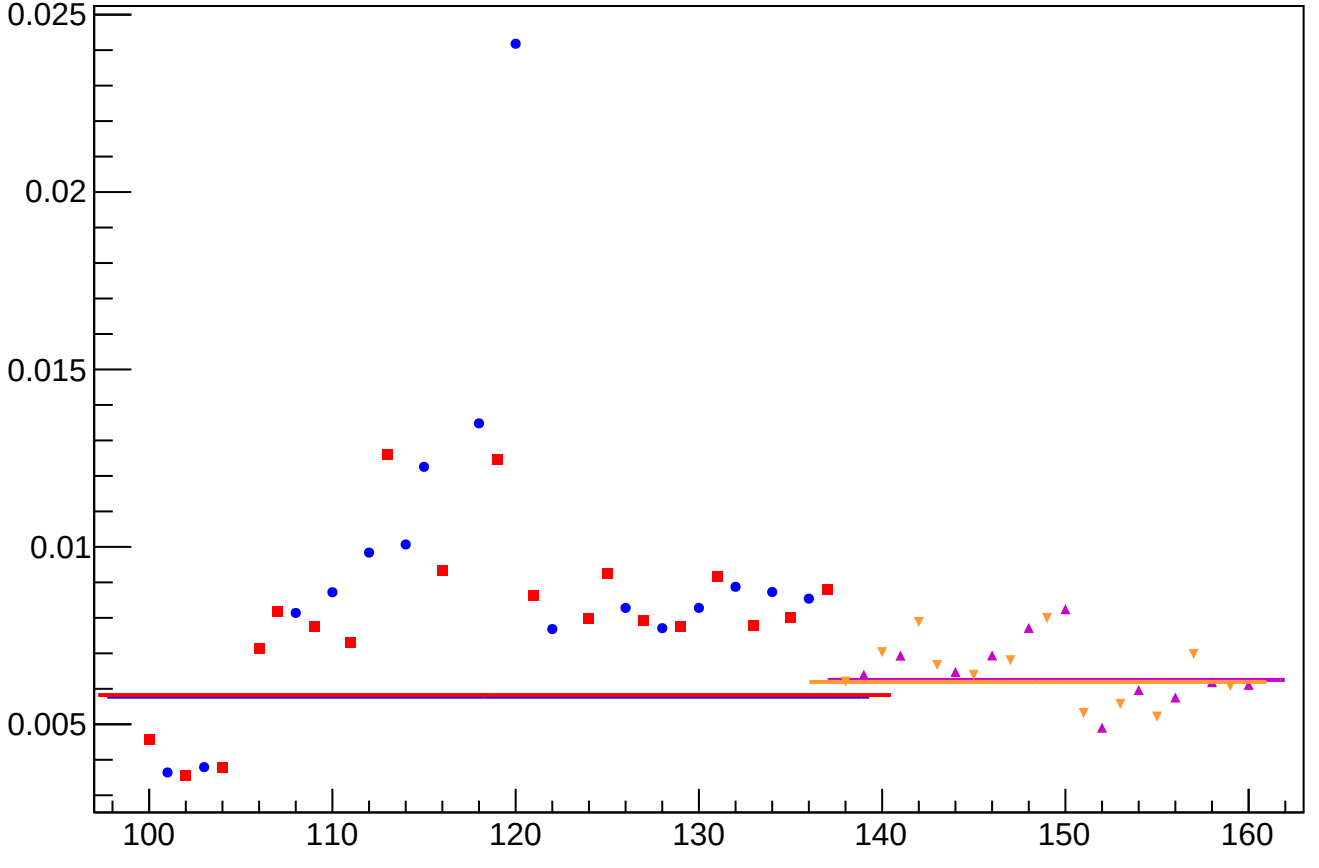
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.472+/-0.000 χ^2/NDF:277140866466.7/26

Out: 1.441+/-0.000 χ^2/NDF:298143393725.7/30

All: 1.456+/-0.000 χ^2/NDF: 575445986324.9

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:277859.9/10

Left: 0.006+/-0.000 χ^2/NDF: 528835.5/22

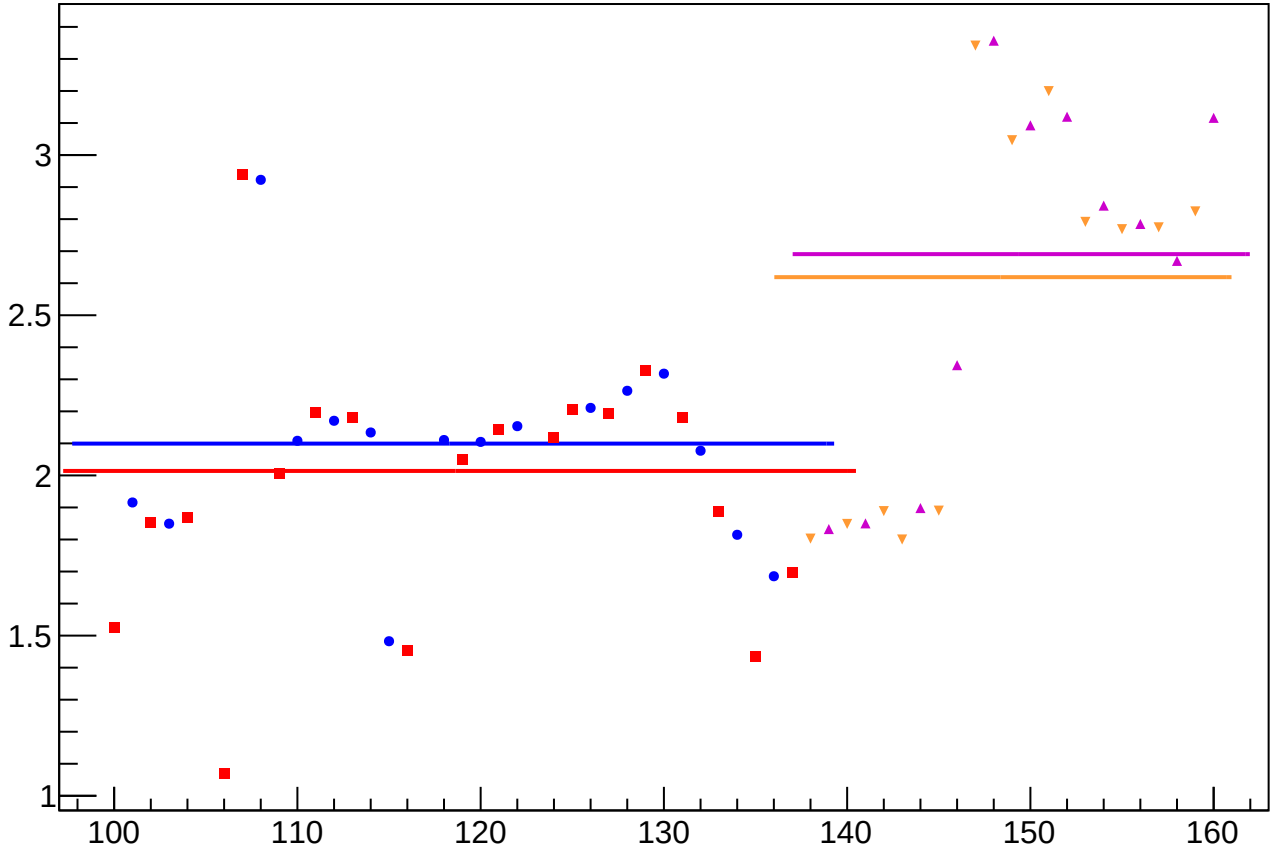
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2528863.5/26

Out: 0.006+/-0.000 χ^2/NDF:2230265.0/30

All: 0.006+/-0.000 χ^2/NDF: 4759247.4/57

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: 2.691+/-0.000 χ^2/NDF:35737933542.5/10

Left: 2.655+/-0.000 χ^2/NDF: 76936668713.2/22

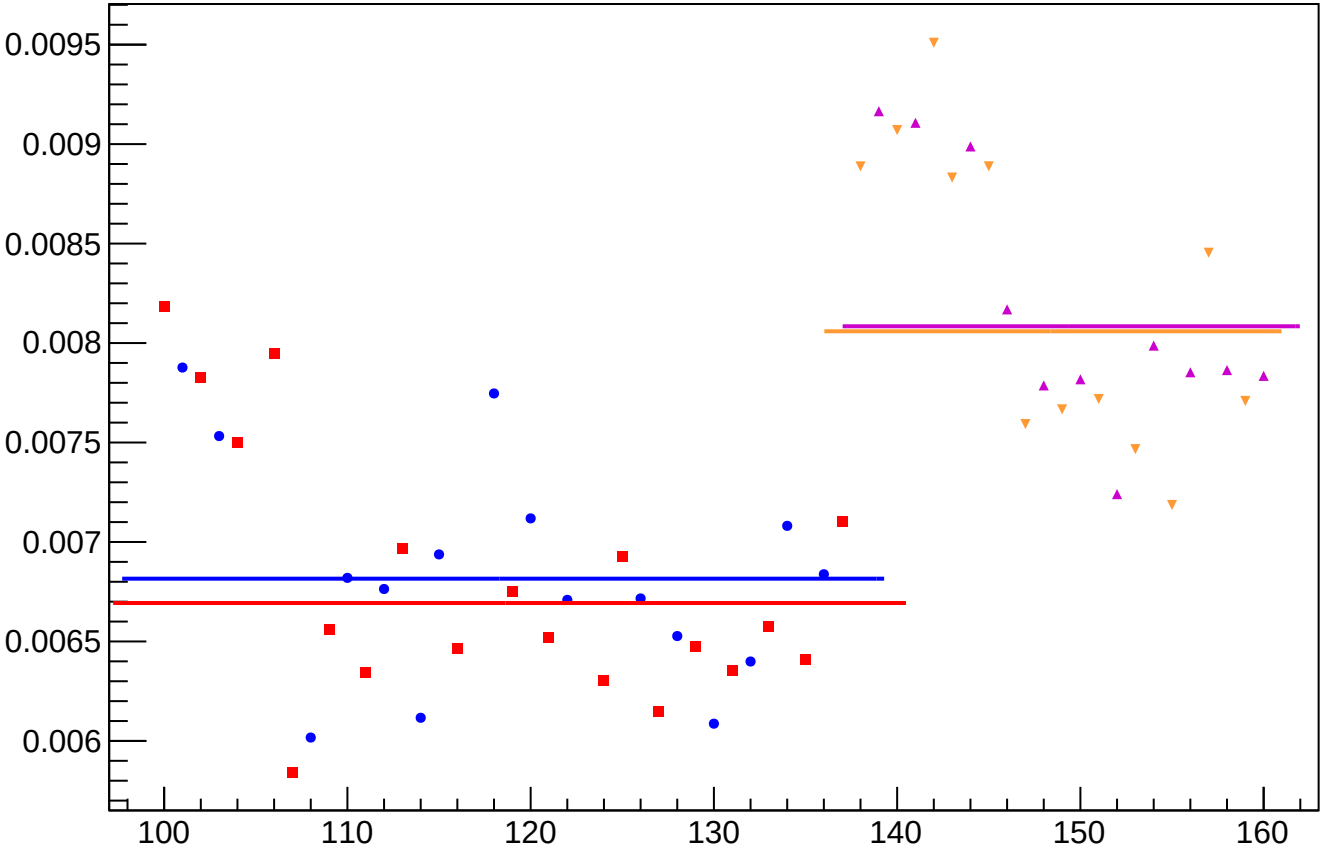
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.384+/-0.000 χ^2/NDF:74450167105.1/26

Out: 2.292+/-0.000 χ^2/NDF:87279755610.7/30

All: 2.337+/-0.000 χ^2/NDF: 162963280590.9

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:91207.1/10

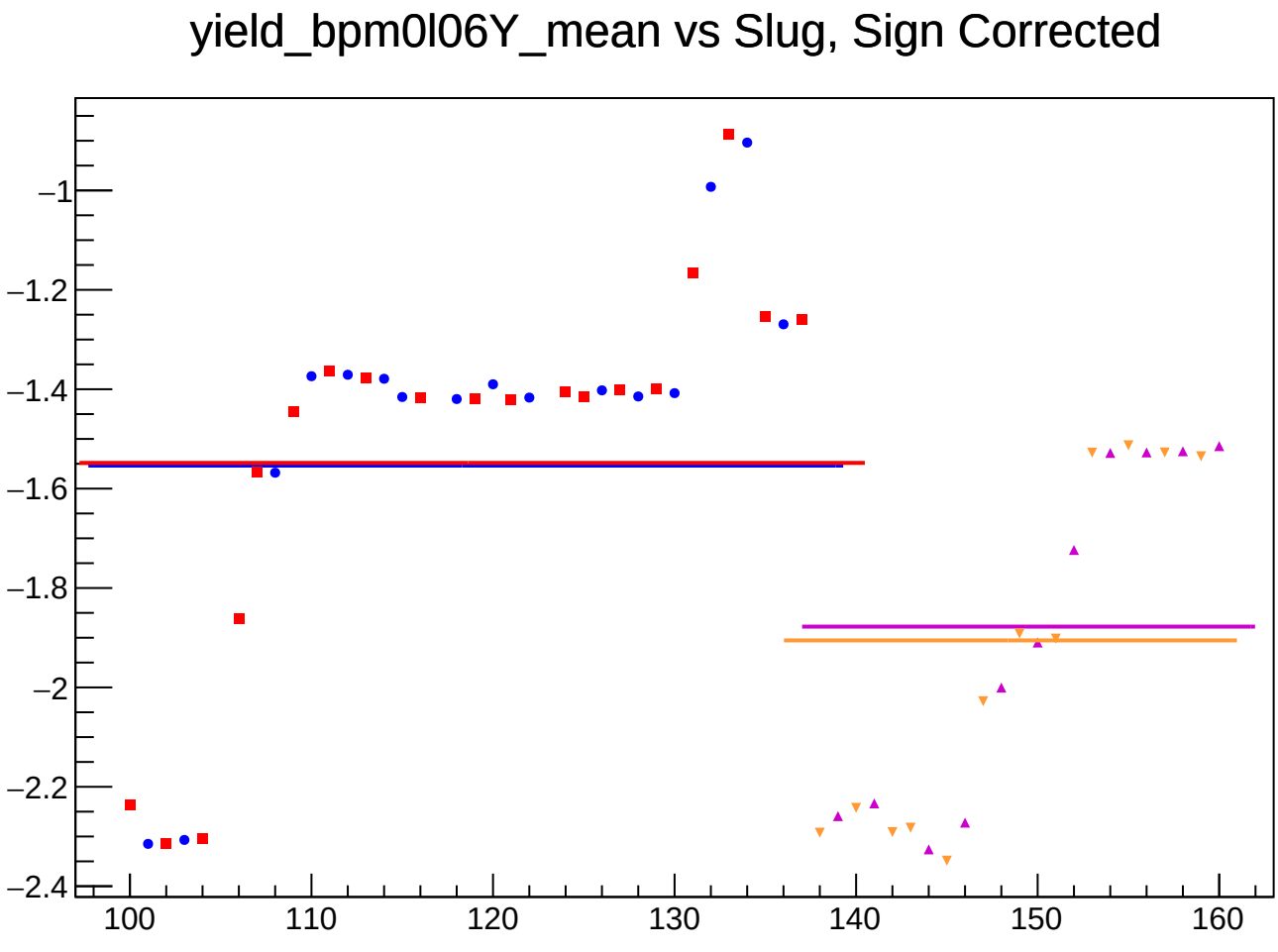
Left: 0.008+/-0.000 χ^2/NDF: 218913.1/22

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:406095.9/26

Out: 0.007+/-0.000 χ^2/NDF:488980.9/30

All: 0.007+/-0.000 χ^2/NDF: 898326.3/57



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: -1.878+/-0.000 χ^2/NDF:93232894052.1/10

Left: -1.892+/-0.000 χ^2/NDF: 189597247671.0/22

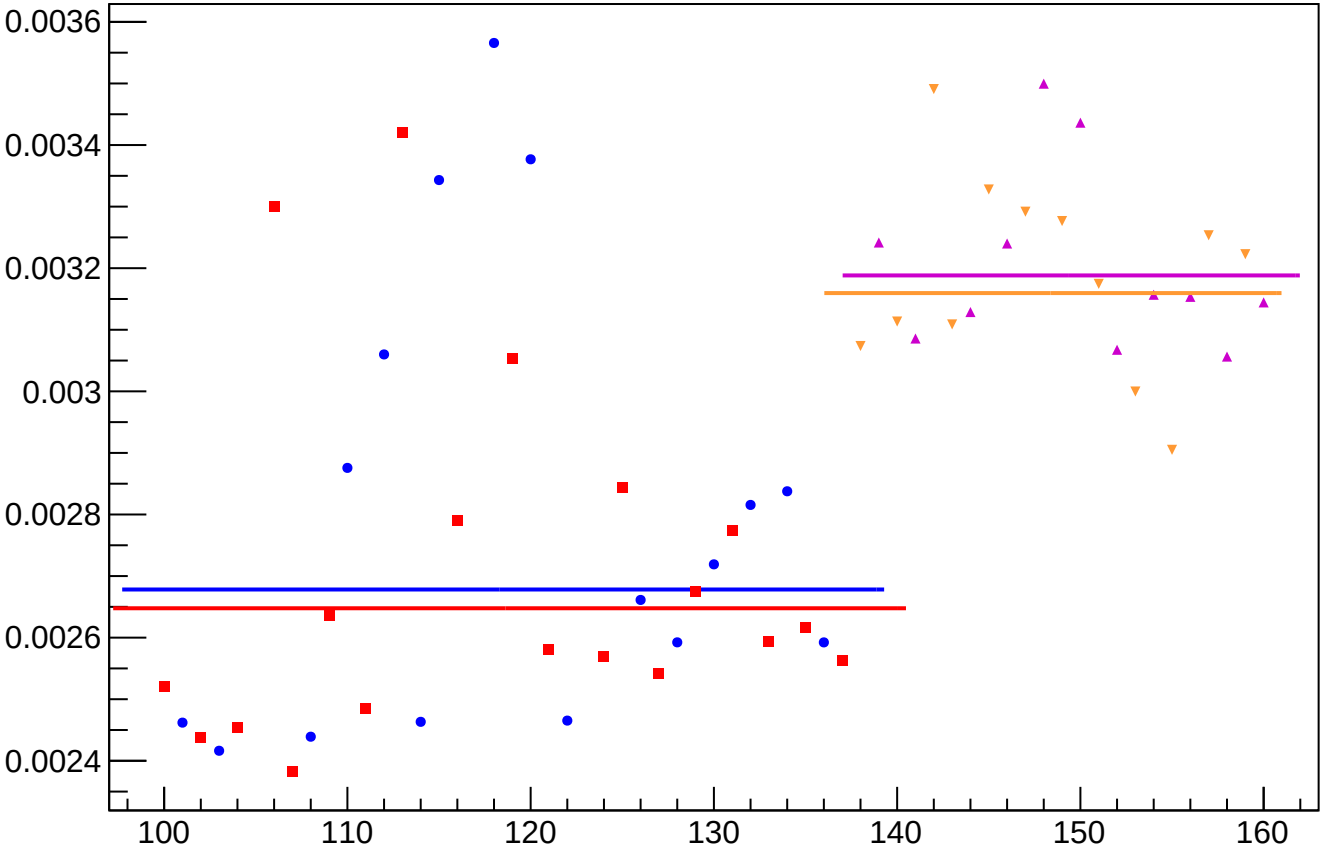
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.709+/-0.000 χ^2/NDF:315395638295.8/26

Out: -1.713+/-0.000 χ^2/NDF:329776561201.2/30

All: -1.711+/-0.000 χ^2/NDF: 645192204677.4

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:30031.3/10

Left: 0.003+/-0.000 χ^2/NDF: 66213.0/22

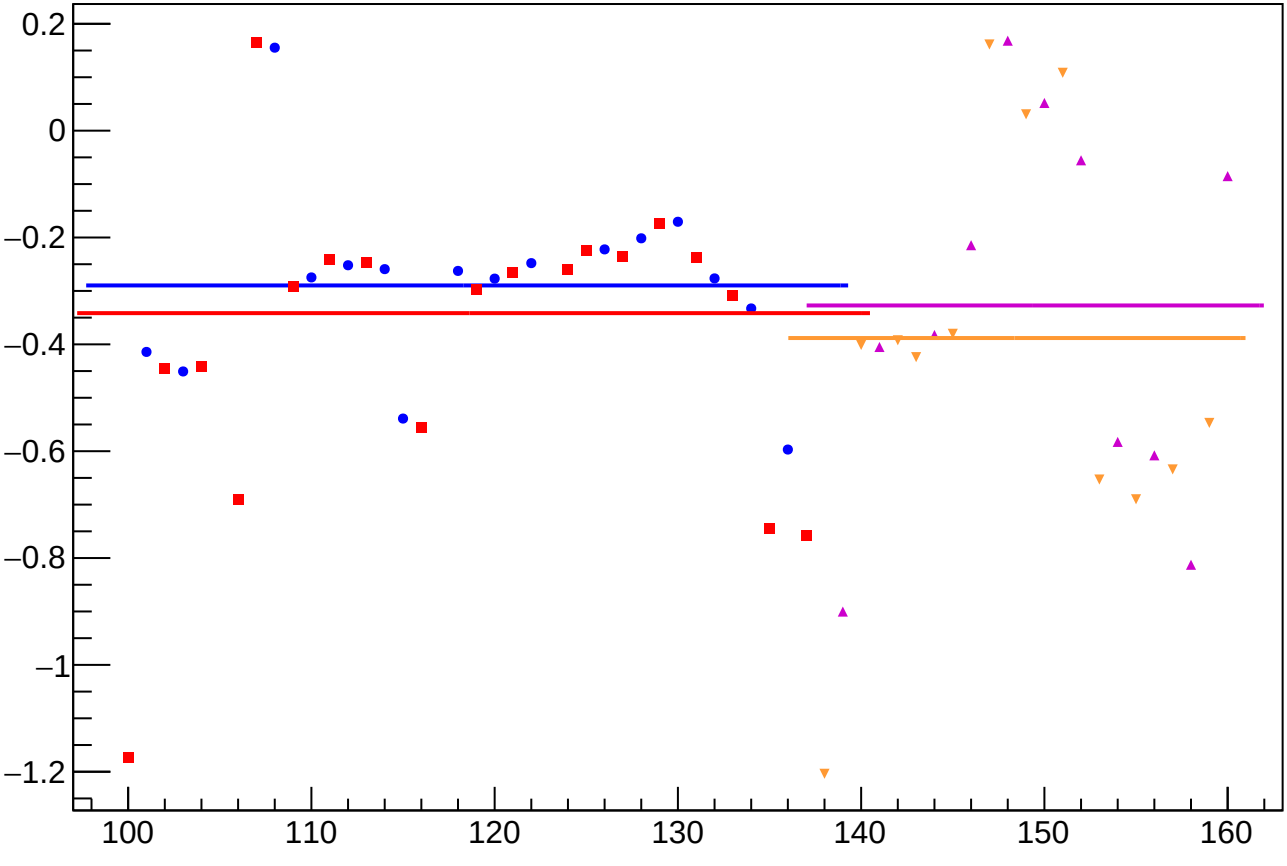
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:420778.3/26

Out: 0.003+/-0.000 χ^2/NDF:393934.5/30

All: 0.003+/-0.000 χ^2/NDF: 817330.8/57

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: -0.327+/-0.000 χ^2/NDF:5620384543.0/10

Left: -0.358+/-0.000 χ^2/NDF: 12635943902.2/22

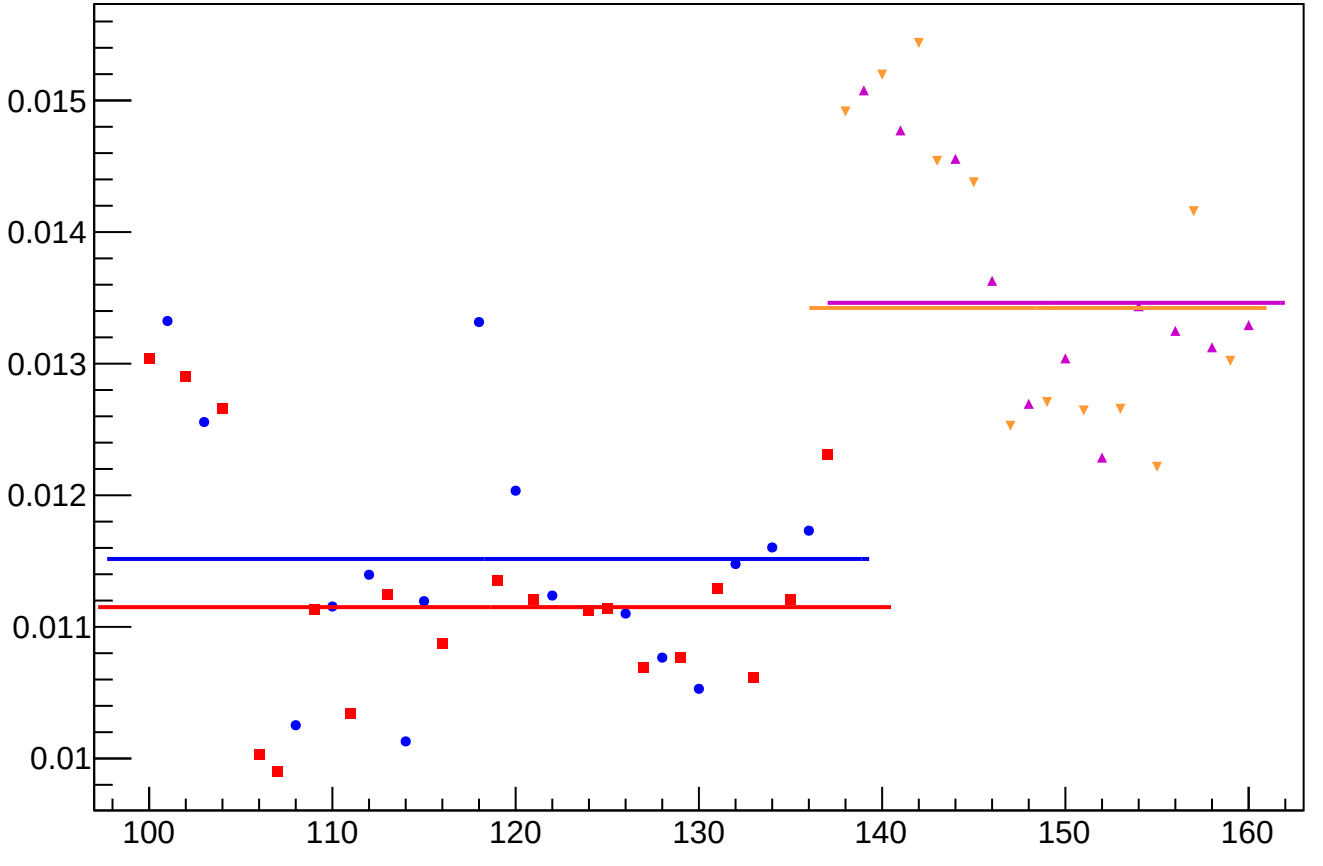
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.308+/-0.000 χ^2/NDF:7301115247.2/26

Out: -0.363+/-0.000 χ^2/NDF:9591259623.7/30

All: -0.336+/-0.000 χ^2/NDF: 17049999643.5/

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:65129.6/10

Left: 0.013+/-0.000 χ^2/NDF: 175390.9/22

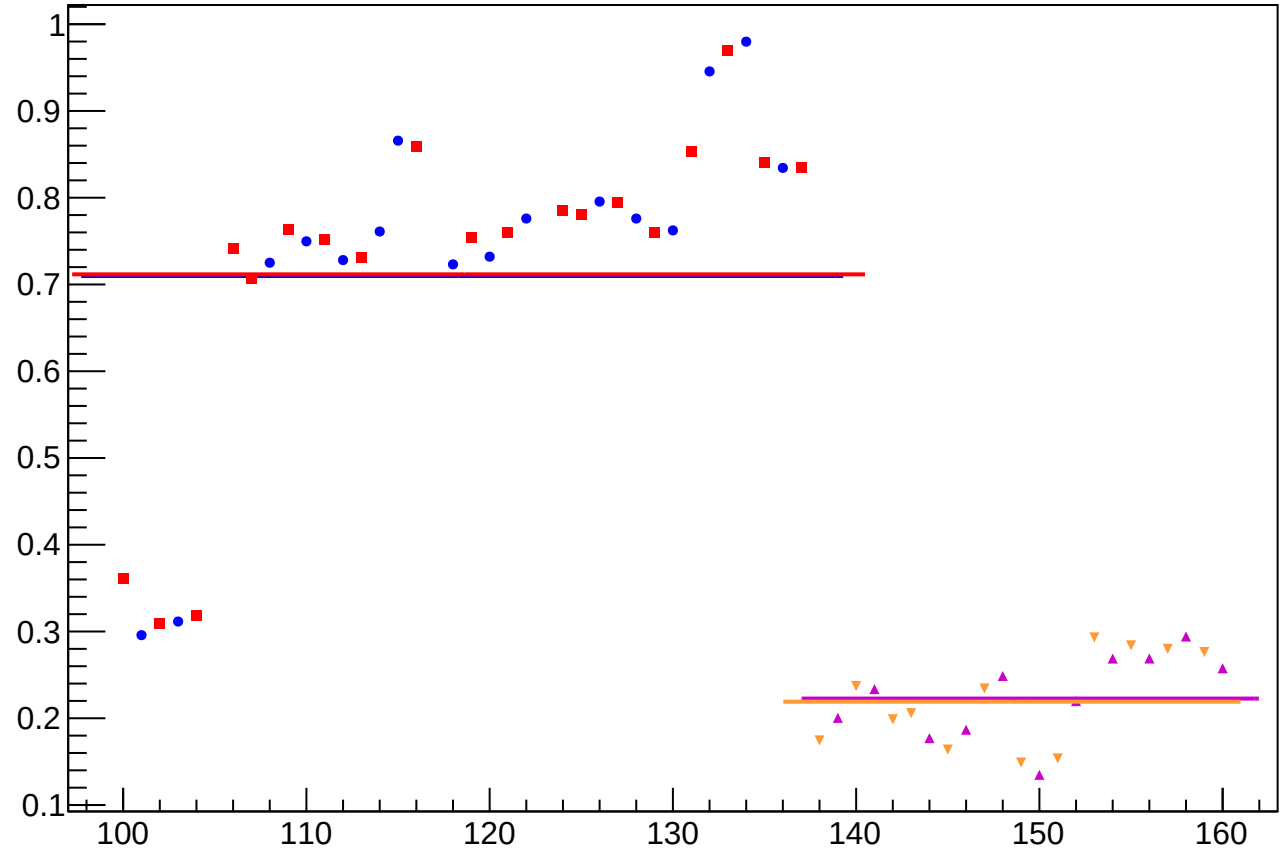
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:341234.0/26

Out: 0.012+/-0.000 χ^2/NDF:456547.1/30

All: 0.012+/-0.000 χ^2/NDF: 805484.3/57

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: 0.223+/-0.000 χ^2/NDF:4114481767.0/10

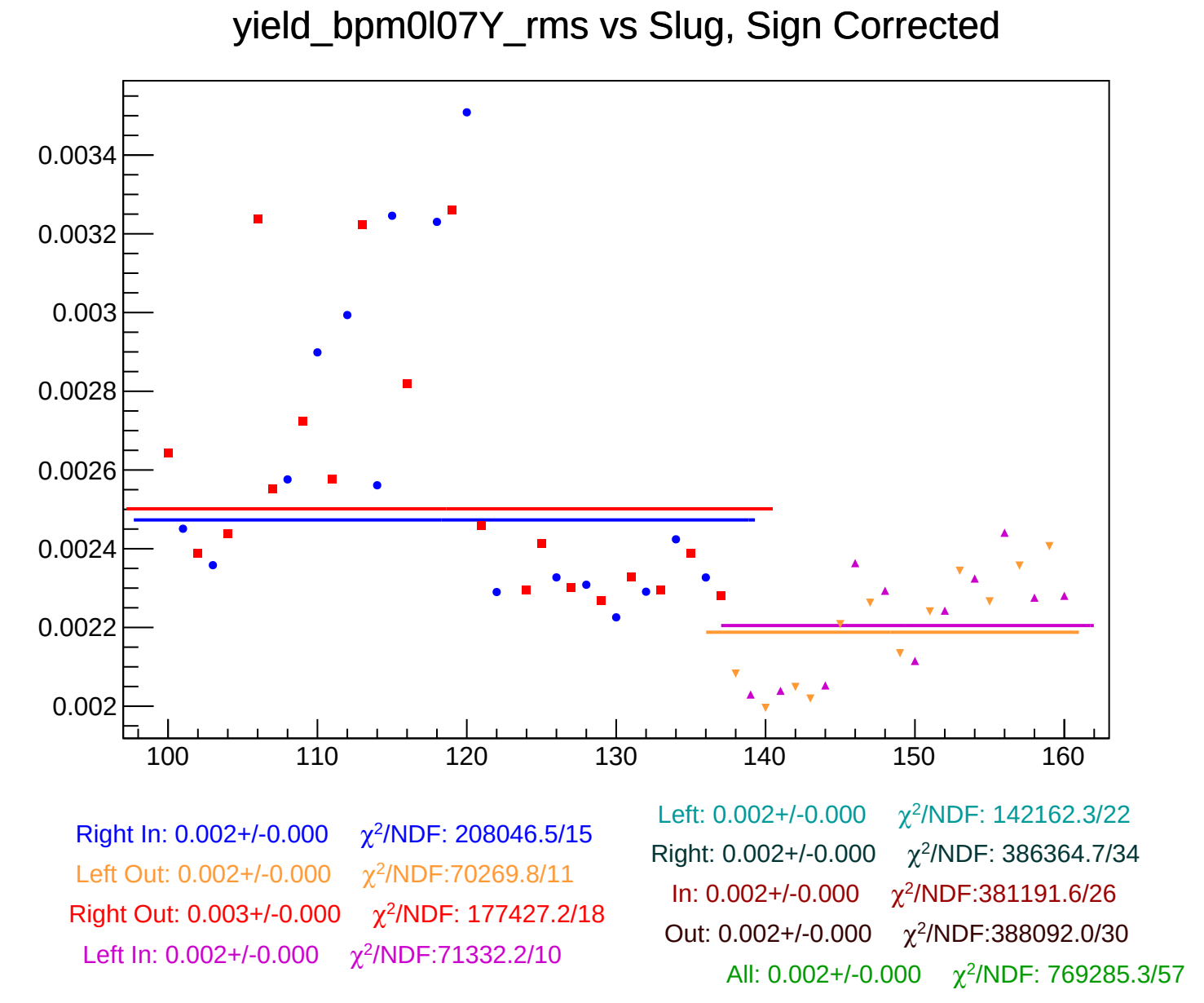
Left: 0.221+/-0.000 χ^2/NDF: 9262532562.4/22

Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

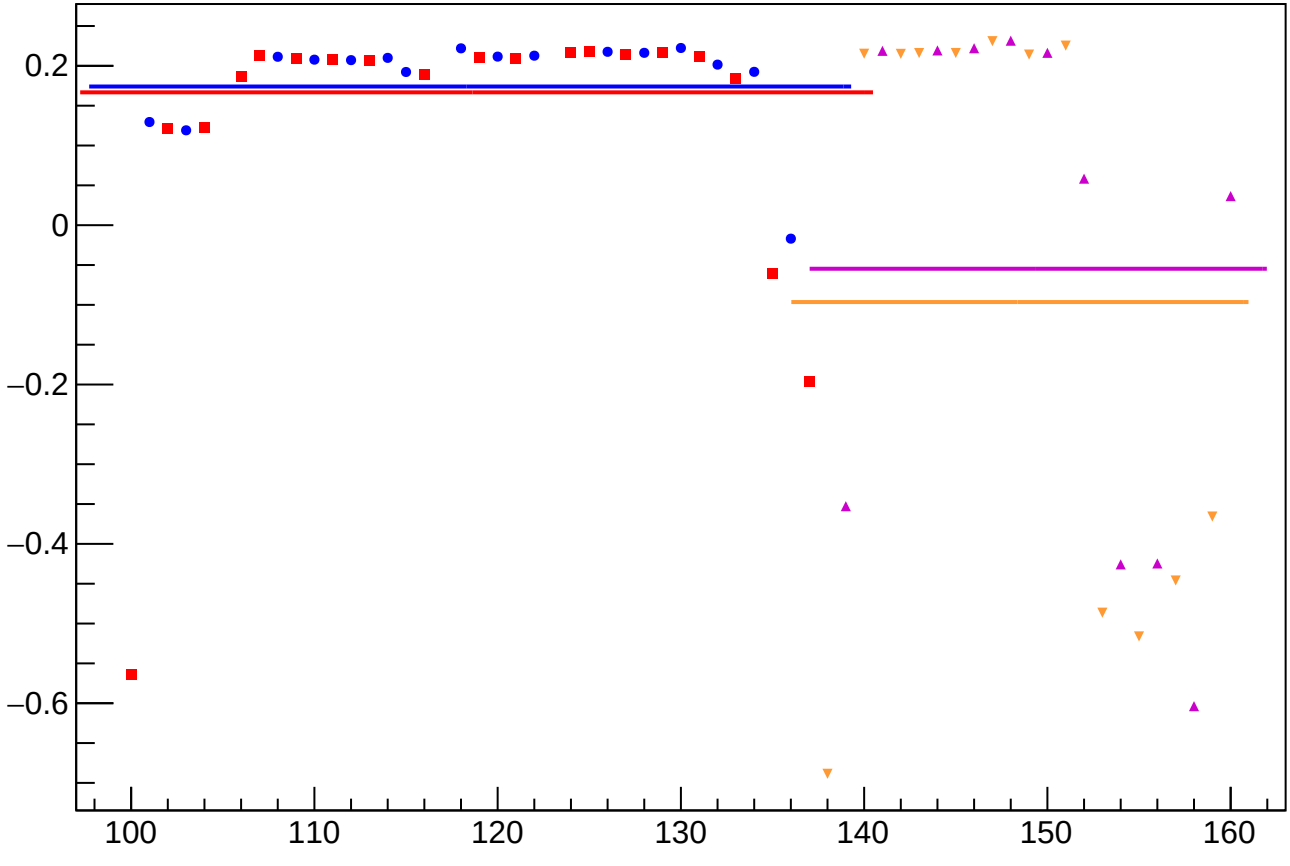
In: 0.401+/-0.000 χ^2/NDF:220808182229.3/26

Out: 0.399+/-0.000 χ^2/NDF:222666097377.2/30

All: 0.400+/-0.000 χ^2/NDF: 443480916738.6


yield_bpm0l07Y_rms vs Slug, Sign Corrected
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 208046.5/15
Left Out: 0.002+/-0.000 χ²/NDF:70269.8/11
Right Out: 0.003+/-0.000 χ²/NDF: 177427.2/18
Left In: 0.002+/-0.000 χ²/NDF:71332.2/10
Left: 0.002+/-0.000 χ²/NDF: 142162.3/22
Right: 0.002+/-0.000 χ²/NDF: 386364.7/34
In: 0.002+/-0.000 χ²/NDF:381191.6/26
Out: 0.002+/-0.000 χ²/NDF:388092.0/30
All: 0.002+/-0.000 χ²/NDF: 769285.3/57

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: -0.055+/-0.000 χ^2/NDF:5891526686.3/10

Left: -0.076+/-0.000 χ^2/NDF: 13692119439.8/22

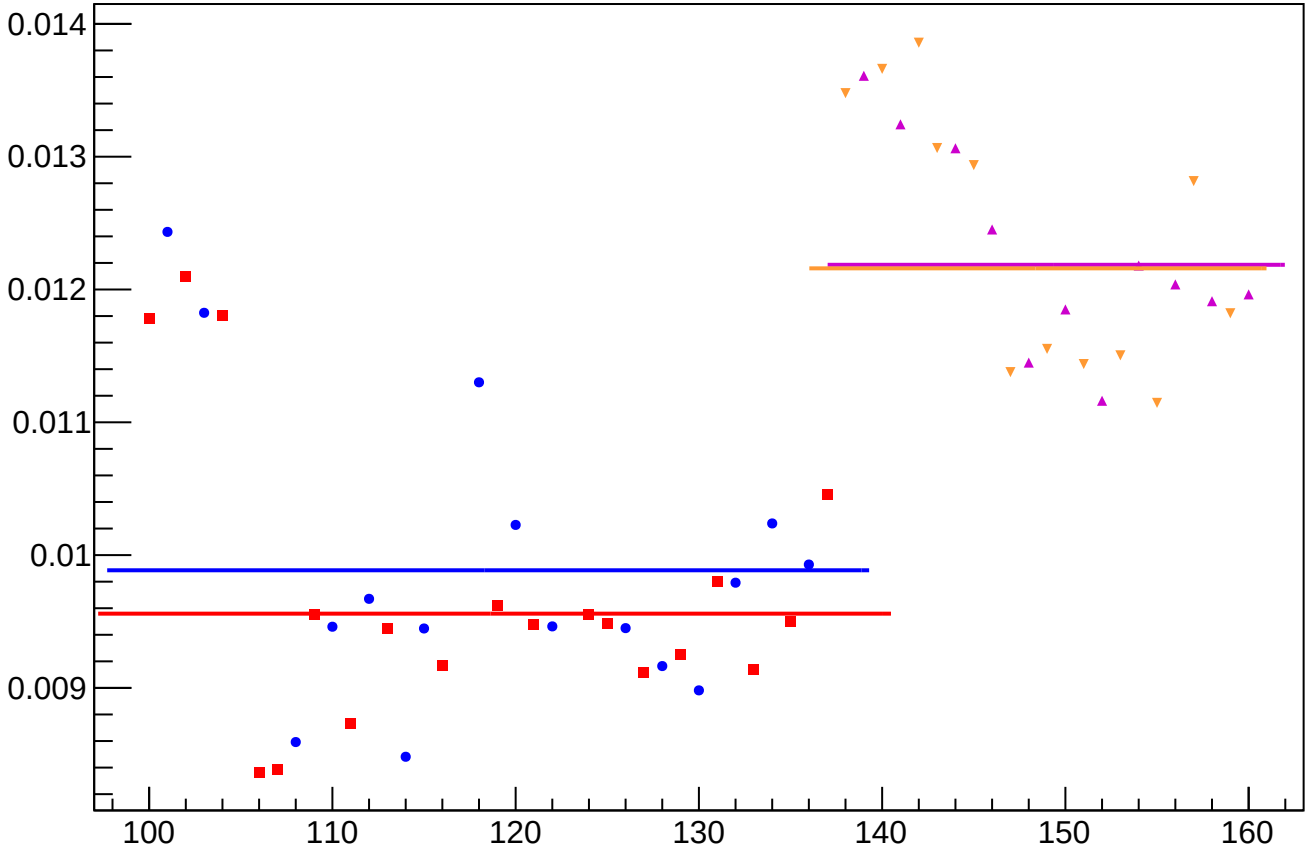
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.068+/-0.000 χ^2/NDF:7989440616.1/26

Out: 0.053+/-0.000 χ^2/NDF:11005794253.2/30

All: 0.060+/-0.000 χ^2/NDF: 19011668785.7/5

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:59604.0/10

Left: 0.012+/-0.000 χ^2/NDF: 158357.8/22

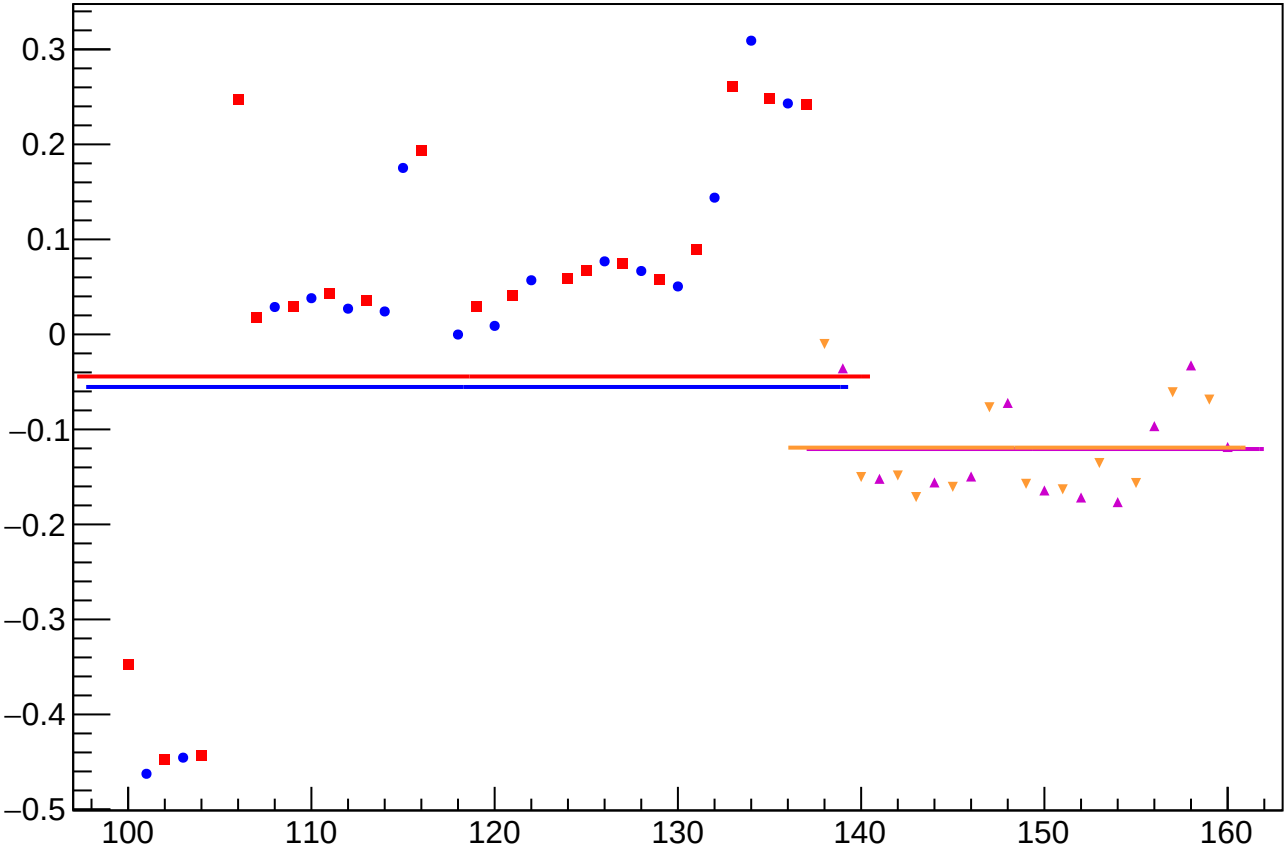
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:551194.8/26

Out: 0.011+/-0.000 χ^2/NDF:696215.1/30

All: 0.011+/-0.000 χ^2/NDF: 1256738.4/57

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:2721283595.1/10

Left: -0.120+/-0.000 χ^2/NDF: 5419650388.0/22

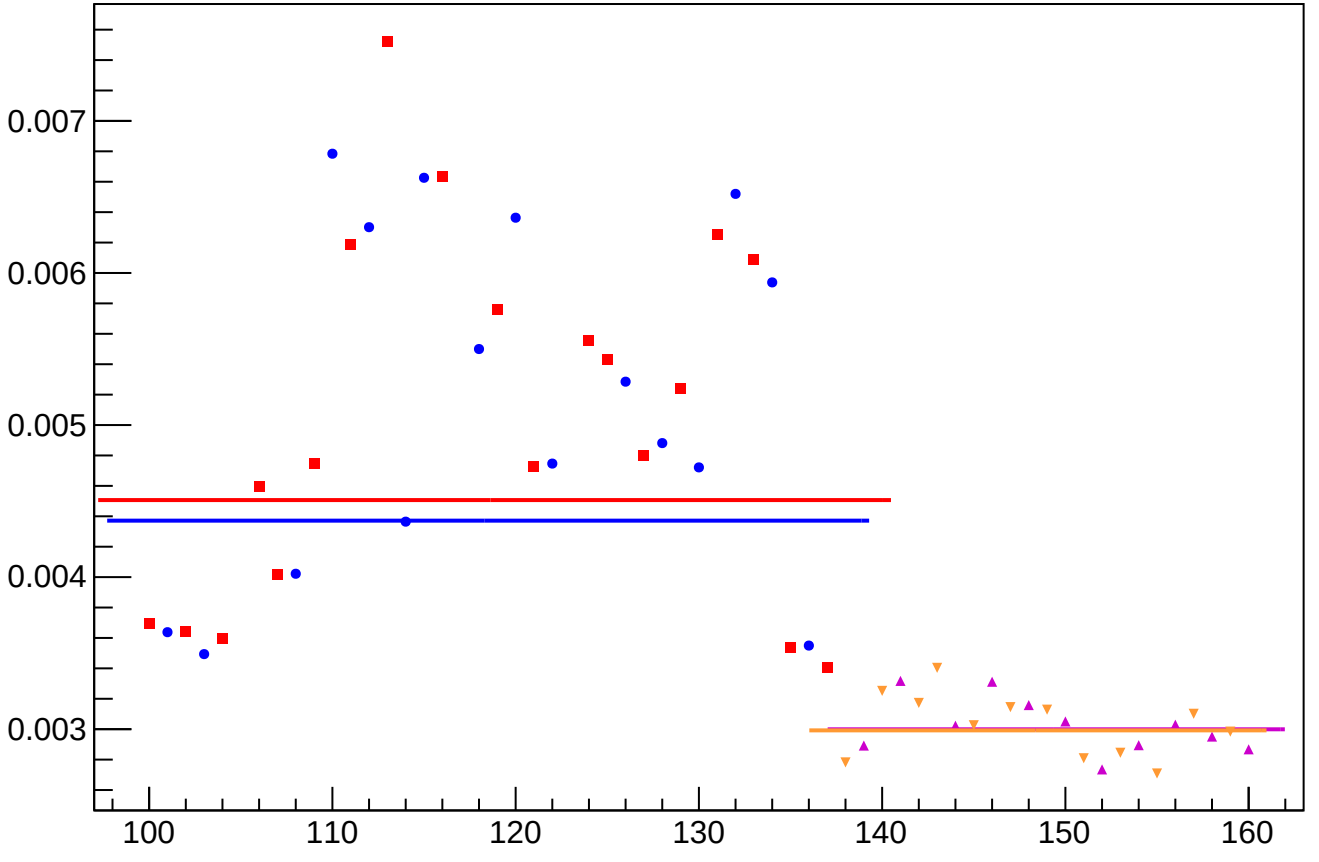
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.105+/-0.000 χ^2/NDF:27835025389.7/26

Out: -0.101+/-0.000 χ^2/NDF:26175447162.3/30

All: -0.103+/-0.000 χ^2/NDF: 54018922767.4/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:79311.5/11

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:56929.4/10

Left: 0.003+/-0.000 χ^2/NDF: 136290.0/22

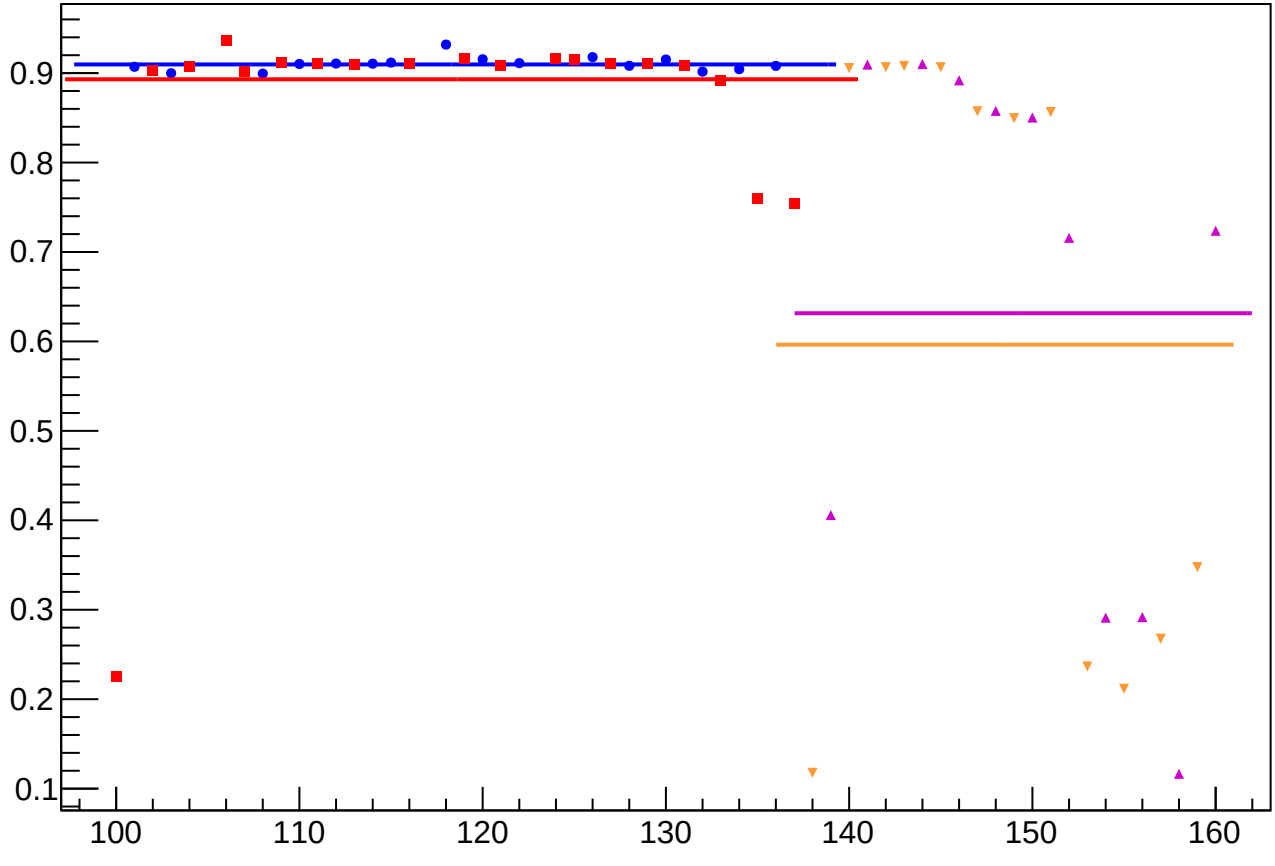
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1628351.1/26

Out: 0.003+/-0.000 χ^2/NDF:1881297.7/30

All: 0.003+/-0.000 χ^2/NDF: 3510375.3/57

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: 0.632+/-0.000 χ^2/NDF:5194515018.4/10

Left: 0.614+/-0.000 χ^2/NDF: 11787538897.5/22

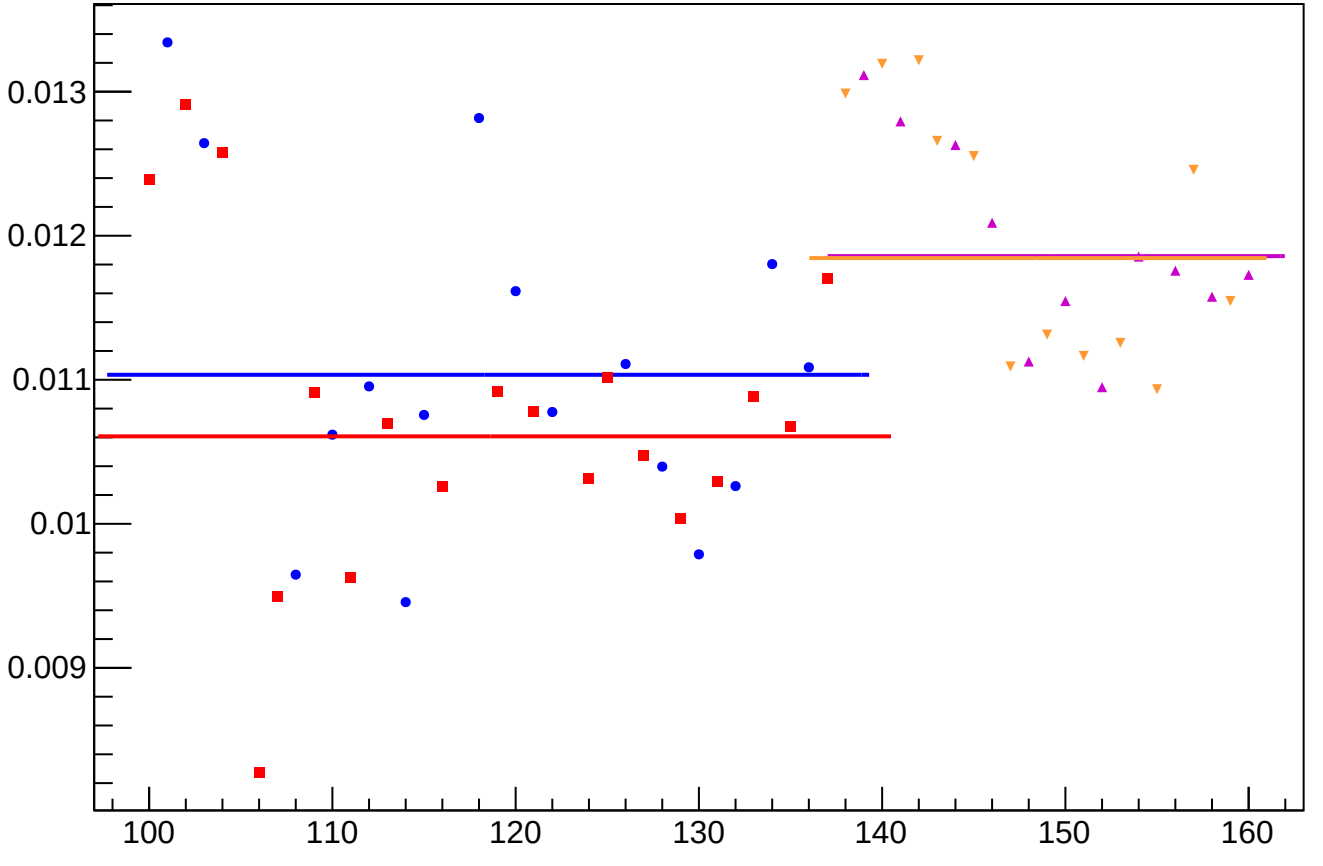
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.762+/-0.000 χ^2/NDF:7519156464.6/26

Out: 0.745+/-0.000 χ^2/NDF:9697904161.2/30

All: 0.753+/-0.000 χ^2/NDF: 17234669226.5/5

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:51456.8/10

Left: 0.012+/-0.000 χ^2/NDF: 135696.3/22

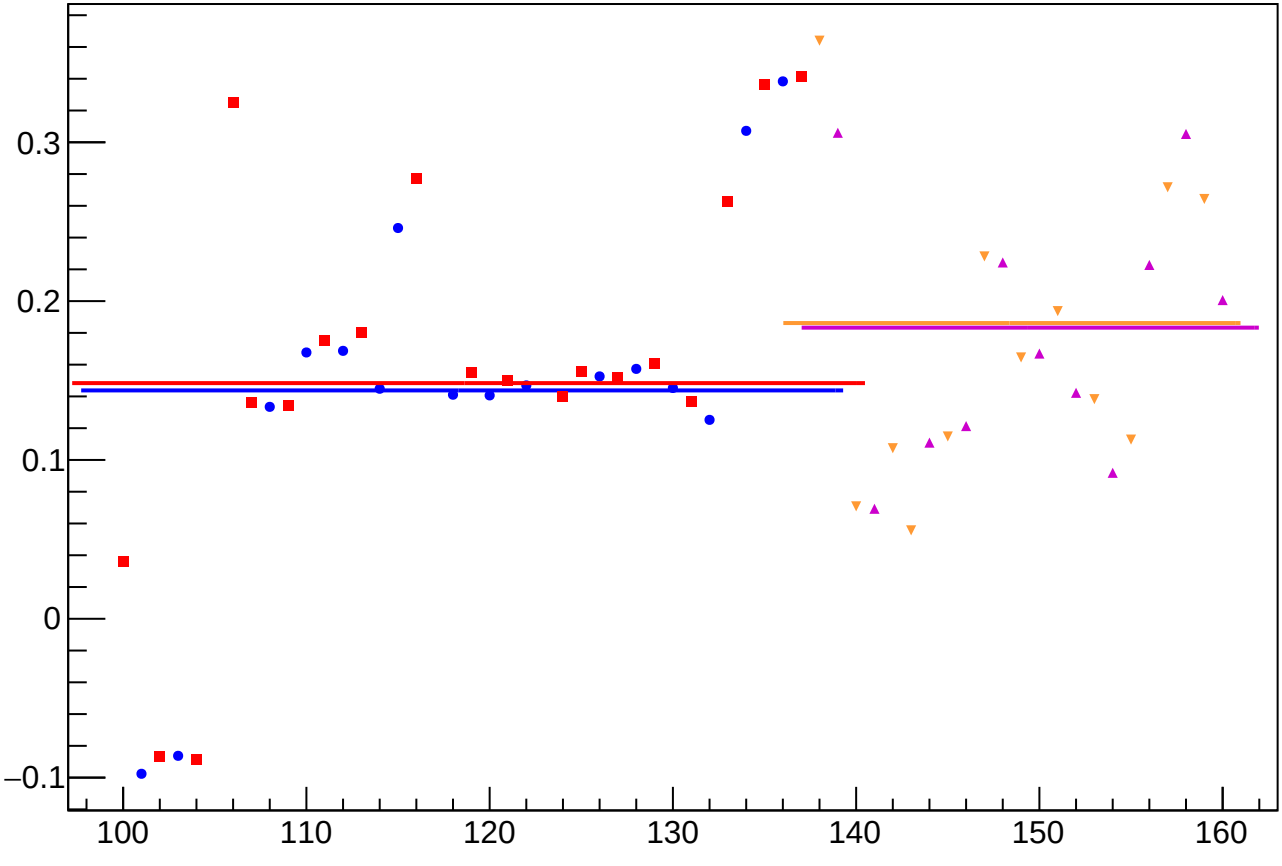
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:222531.6/26

Out: 0.011+/-0.000 χ^2/NDF:326172.4/30

All: 0.011+/-0.000 χ^2/NDF: 556298.0/57

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: 0.183+/-0.000 χ^2/NDF:4386636863.5/10

Left: 0.185+/-0.000 χ^2/NDF: 10227402480.7/22

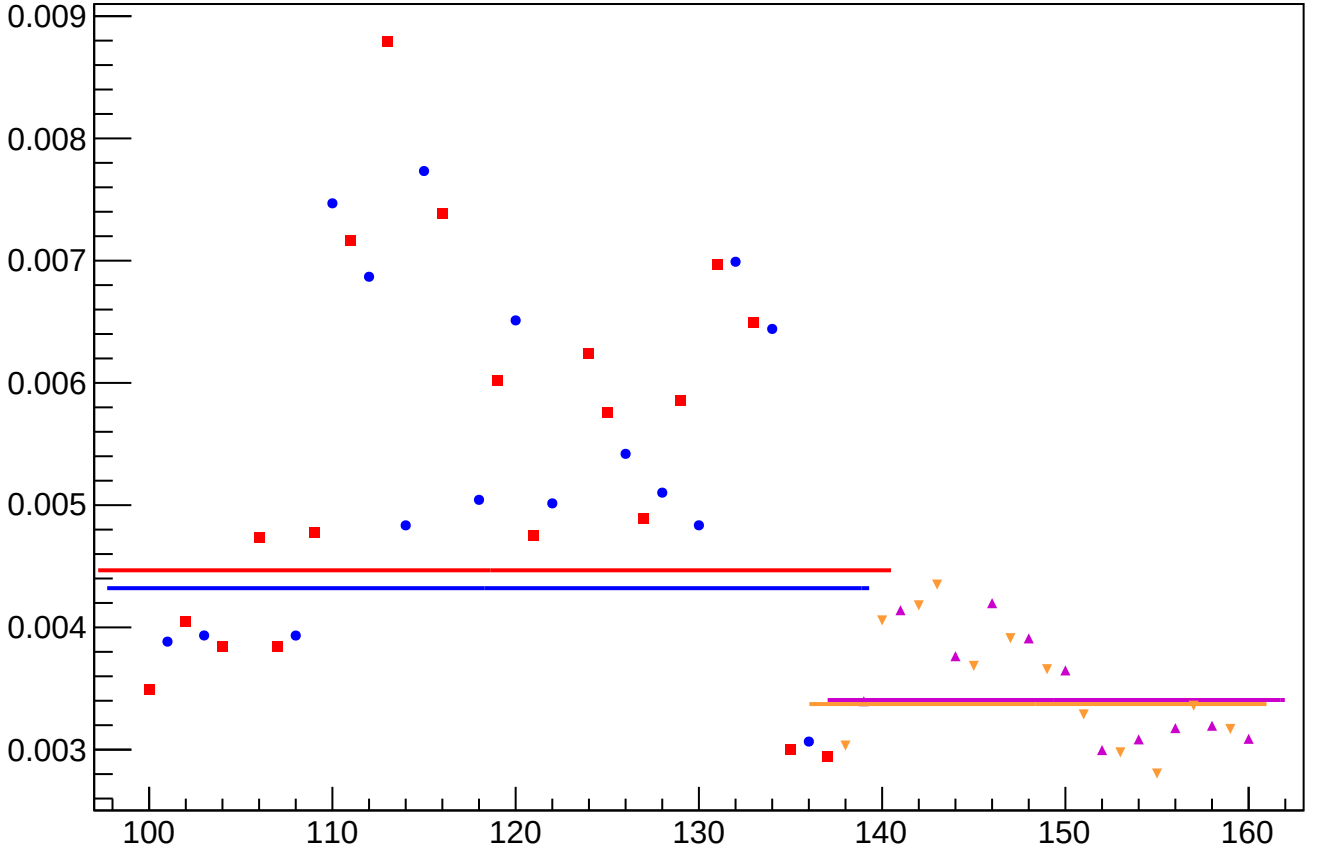
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.172+/-0.000 χ^2/NDF:12592743556.1/26

Out: 0.175+/-0.000 χ^2/NDF:13270781160.5/30

All: 0.174+/-0.000 χ^2/NDF: 25870775824.4/5

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:228443.3/10

Left: 0.003+/-0.000 χ^2/NDF: 535418.0/22

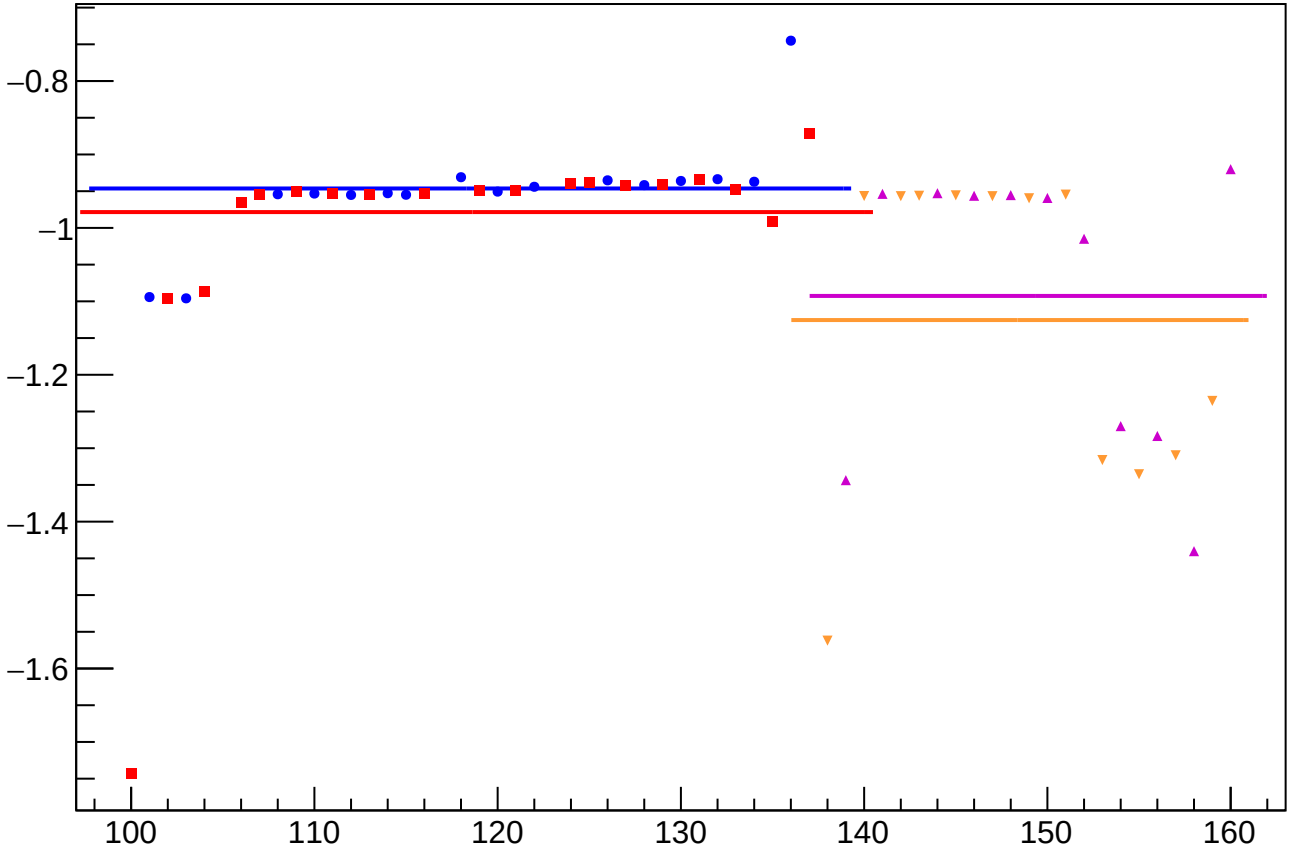
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1469764.8/26

Out: 0.004+/-0.000 χ^2/NDF:1901797.3/30

All: 0.004+/-0.000 χ^2/NDF: 3371662.3/57

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: -1.093+/-0.000 χ^2/NDF:2802374189.2/10

Left: -1.109+/-0.000 χ^2/NDF: 6146412410.3/22

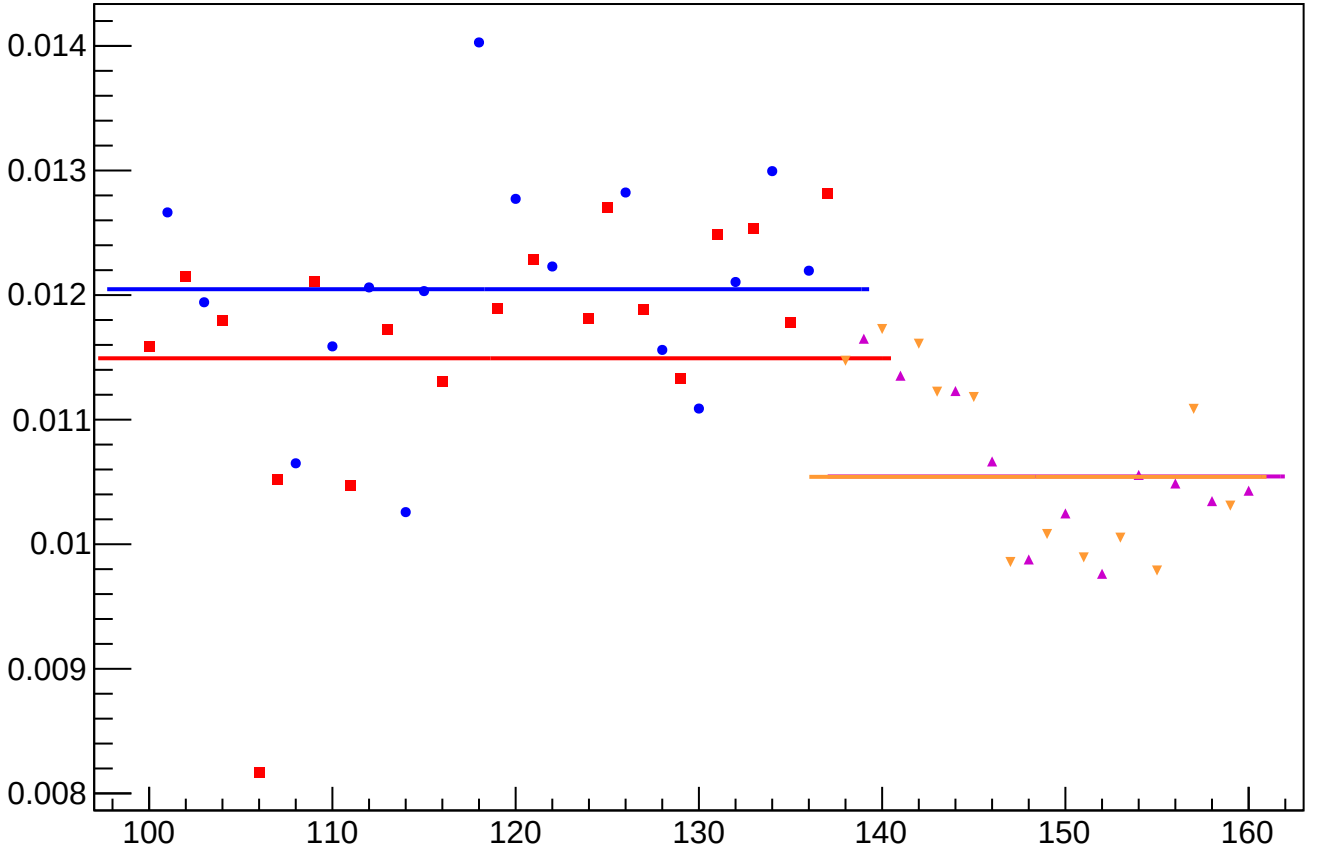
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.039+/-0.000 χ^2/NDF:3848332386.8/26

Out: -1.067+/-0.000 χ^2/NDF:4463890167.9/30

All: -1.053+/-0.000 χ^2/NDF: 8362860348.4/5

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:50006.2/10

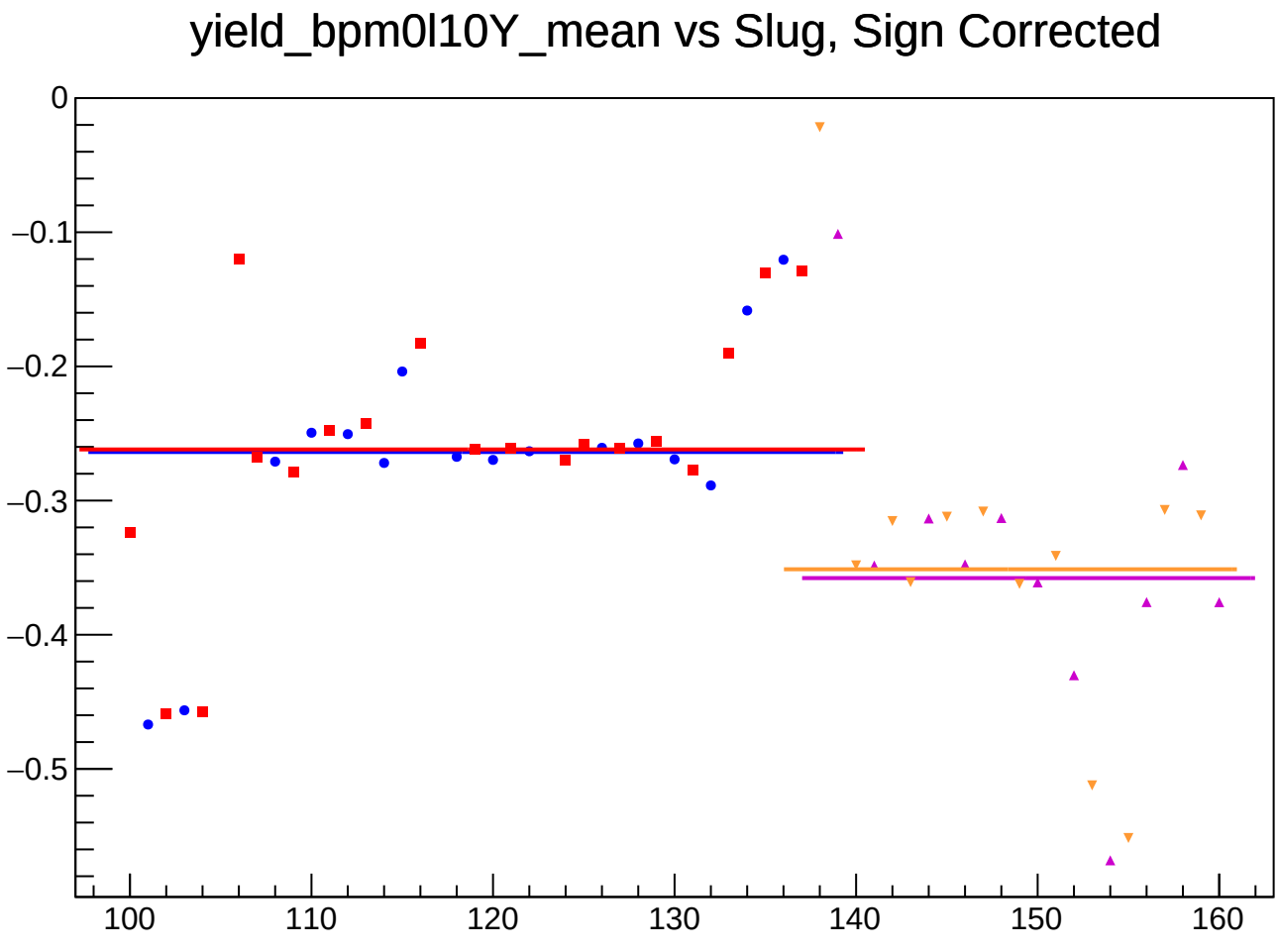
Left: 0.011+/-0.000 χ^2/NDF: 128966.9/22

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

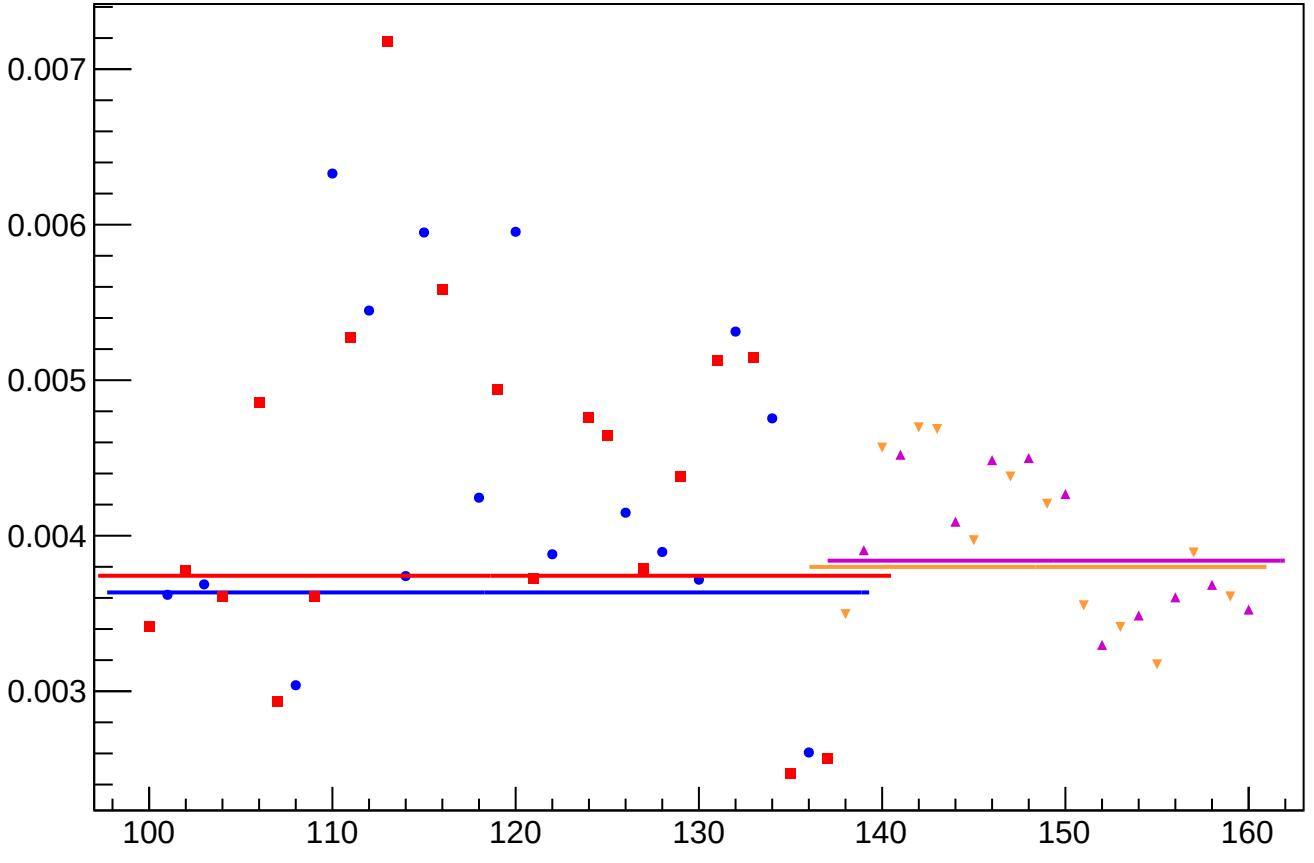
In: 0.011+/-0.000 χ^2/NDF:247846.8/26

Out: 0.011+/-0.000 χ^2/NDF:289137.0/30

All: 0.011+/-0.000 χ^2/NDF: 540975.6/57


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.351+/-0.000 χ²/NDF:11234501388.8/11
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.358+/-0.000 χ²/NDF:7234814143.9/10
Left: -0.354+/-0.000 χ²/NDF: 18481774134.8/22
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.317+/-0.000 χ²/NDF:15526303833.5/26
Out: -0.313+/-0.000 χ²/NDF:18454096899.8/30
All: -0.315+/-0.000 χ²/NDF: 33988011139.3/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:261782.5/11

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:199501.4/10

Left: 0.004+/-0.000 χ^2/NDF: 462211.5/22

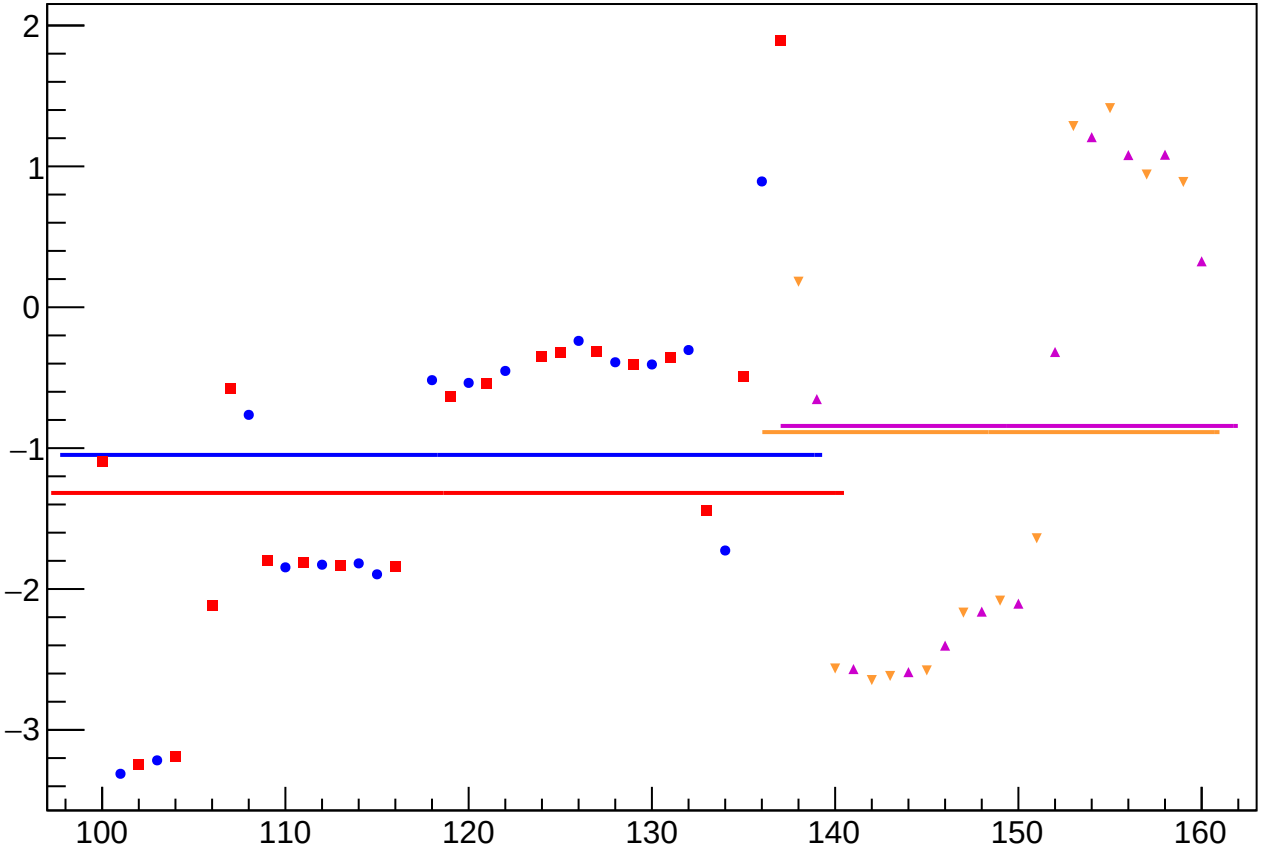
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:948753.3/26

Out: 0.004+/-0.000 χ^2/NDF:1157570.1/30

All: 0.004+/-0.000 χ^2/NDF: 2106910.8/57

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: -0.842+/-0.000 χ^2/NDF:3747398855.9/10

Left: -0.864+/-0.000 χ^2/NDF: 8265583187.0/22

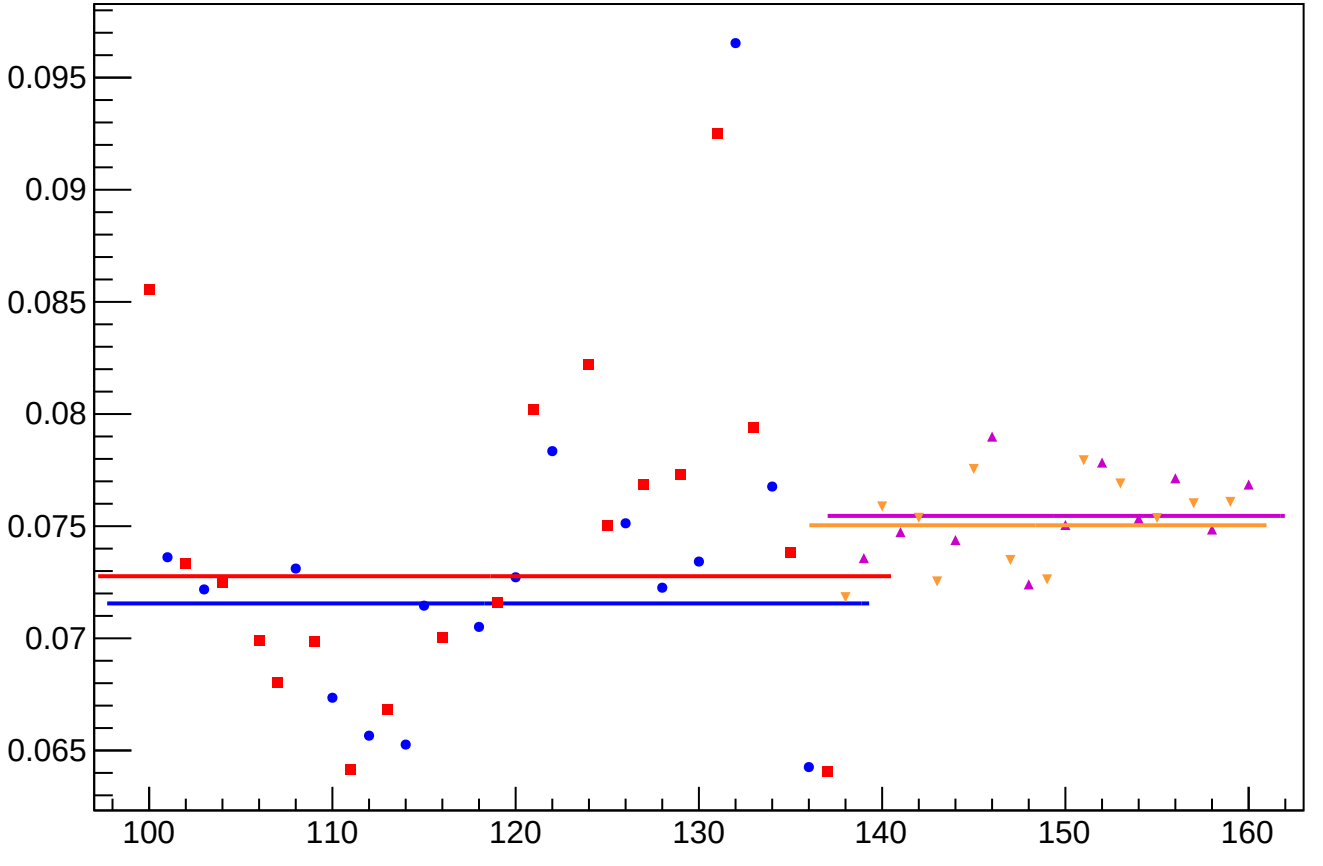
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.936+/-0.000 χ^2/NDF:6125970341.6/26

Out: -1.082+/-0.000 χ^2/NDF:6504586626.8/30

All: -1.009+/-0.000 χ^2/NDF: 12662566032.4/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:13232.5/11

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10893.9/10

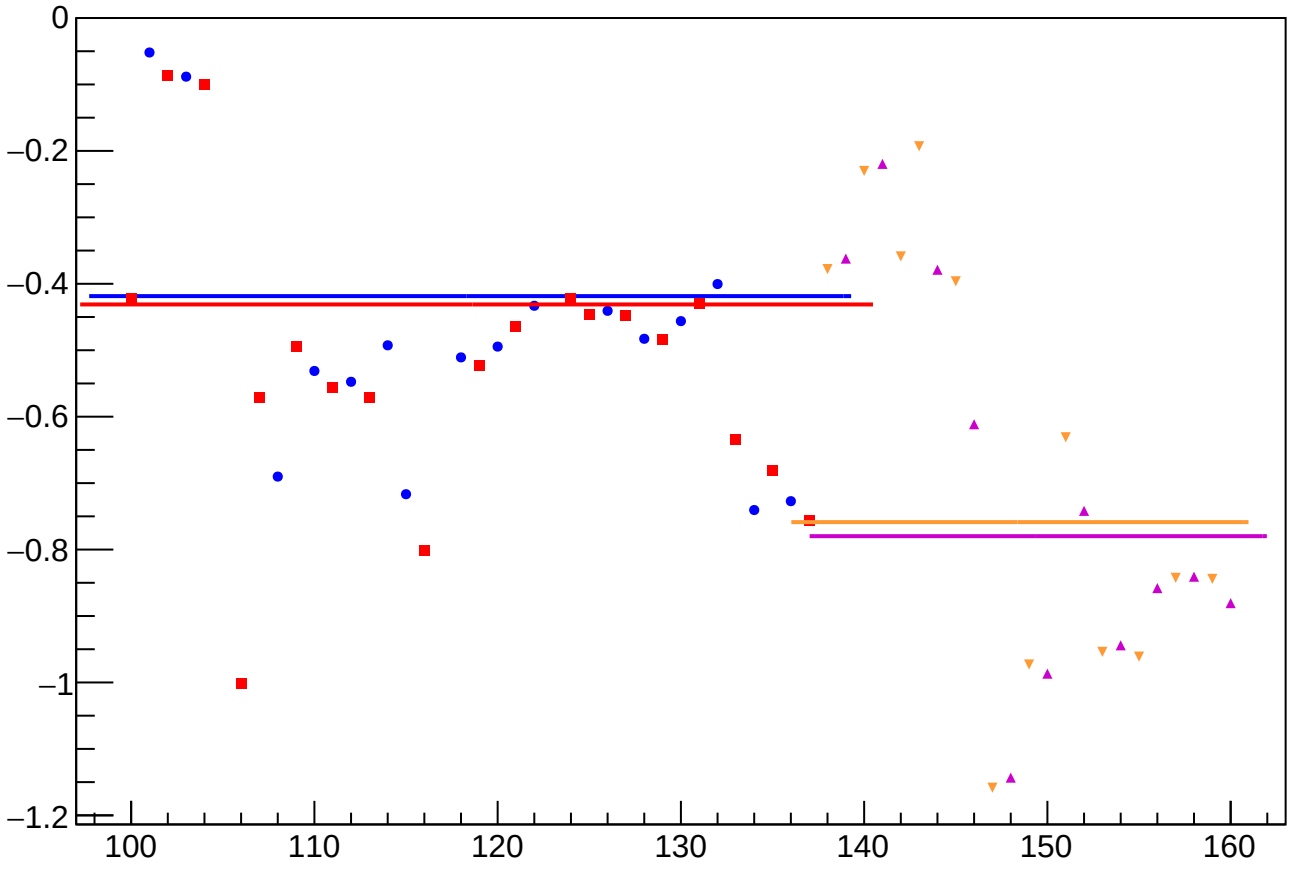
Left: 0.075+/-0.000 χ^2/NDF: 24414.6/22

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:134849.9/26

Out: 0.074+/-0.000 χ^2/NDF:117854.8/30

All: 0.074+/-0.000 χ^2/NDF: 253035.5/57



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: -0.780+/-0.000 χ^2/NDF:10231532257.9/10

Left: -0.769+/-0.000 χ^2/NDF: 23454772680.5/22

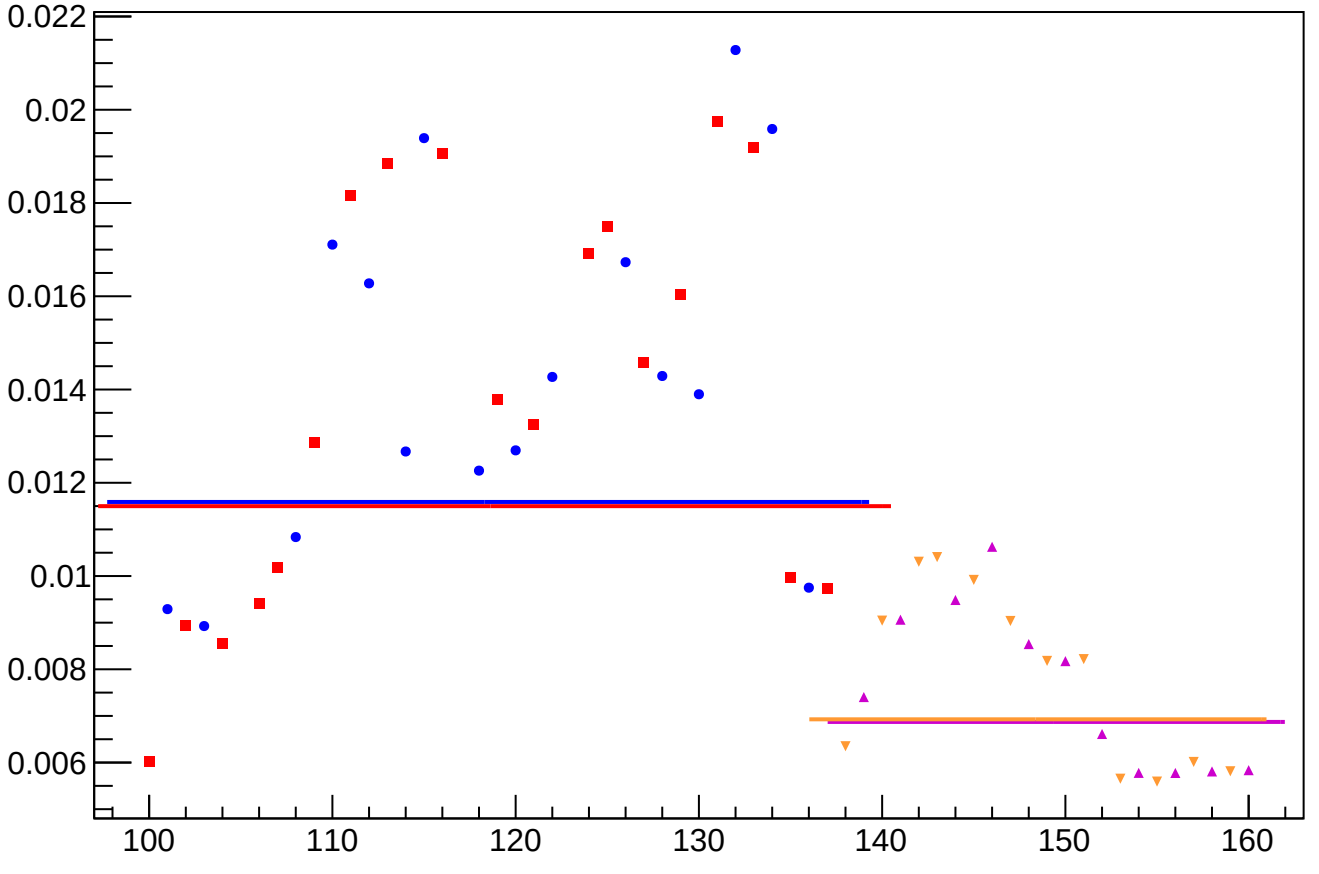
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.708+/-0.000 χ^2/NDF:17950752022.7/26

Out: -0.691+/-0.000 χ^2/NDF:20248841410.9/30

All: -0.700+/-0.000 χ^2/NDF: 38232879407.1/

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:739994.0/10

Left: 0.007+/-0.000 χ^2/NDF: 1637039.3/22

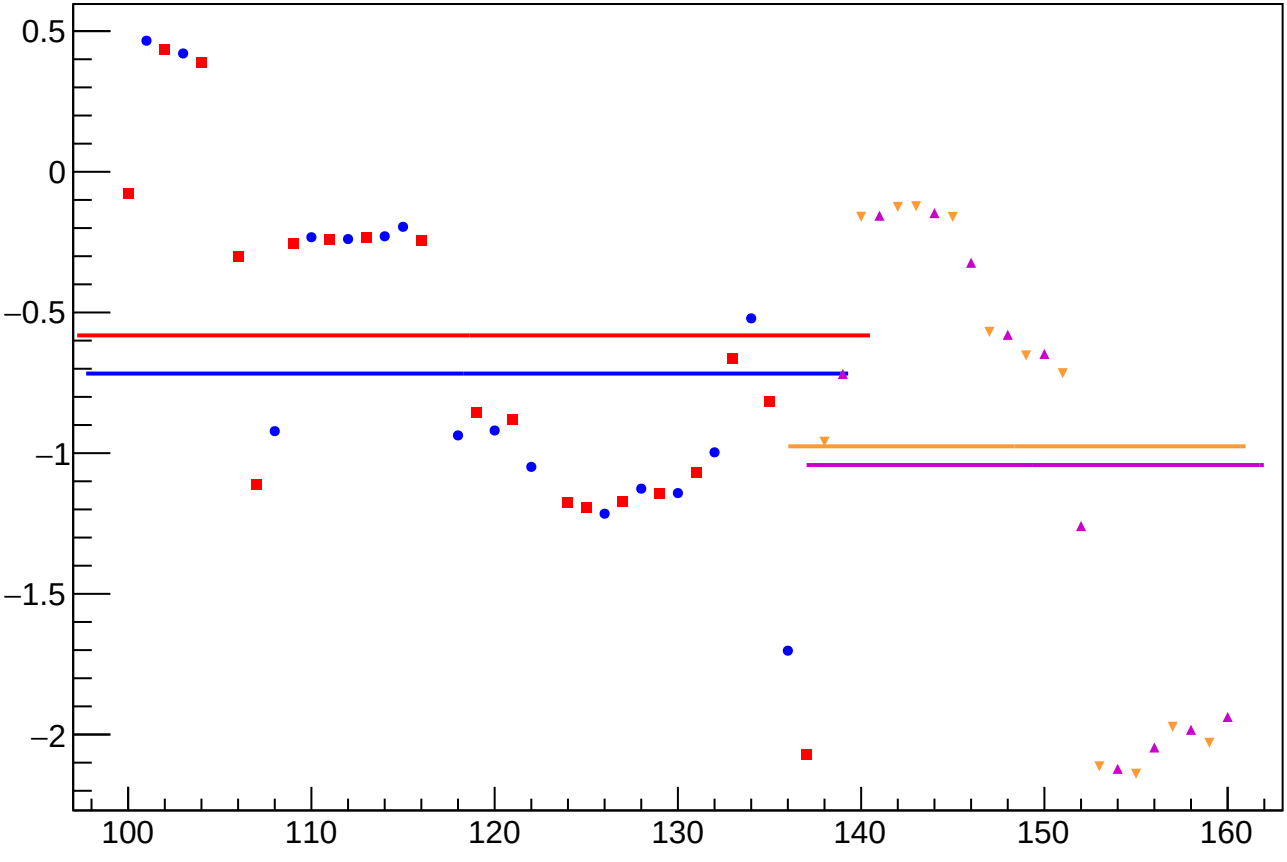
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.008+/-0.000 χ^2/NDF:3110957.7/26

Out: 0.008+/-0.000 χ^2/NDF:3568093.5/30

All: 0.008+/-0.000 χ^2/NDF: 6680029.1/57

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: -1.042+/-0.000 χ^2/NDF:750810605.1/10

Left: -1.009+/-0.000 χ^2/NDF: 1582672182.2/22

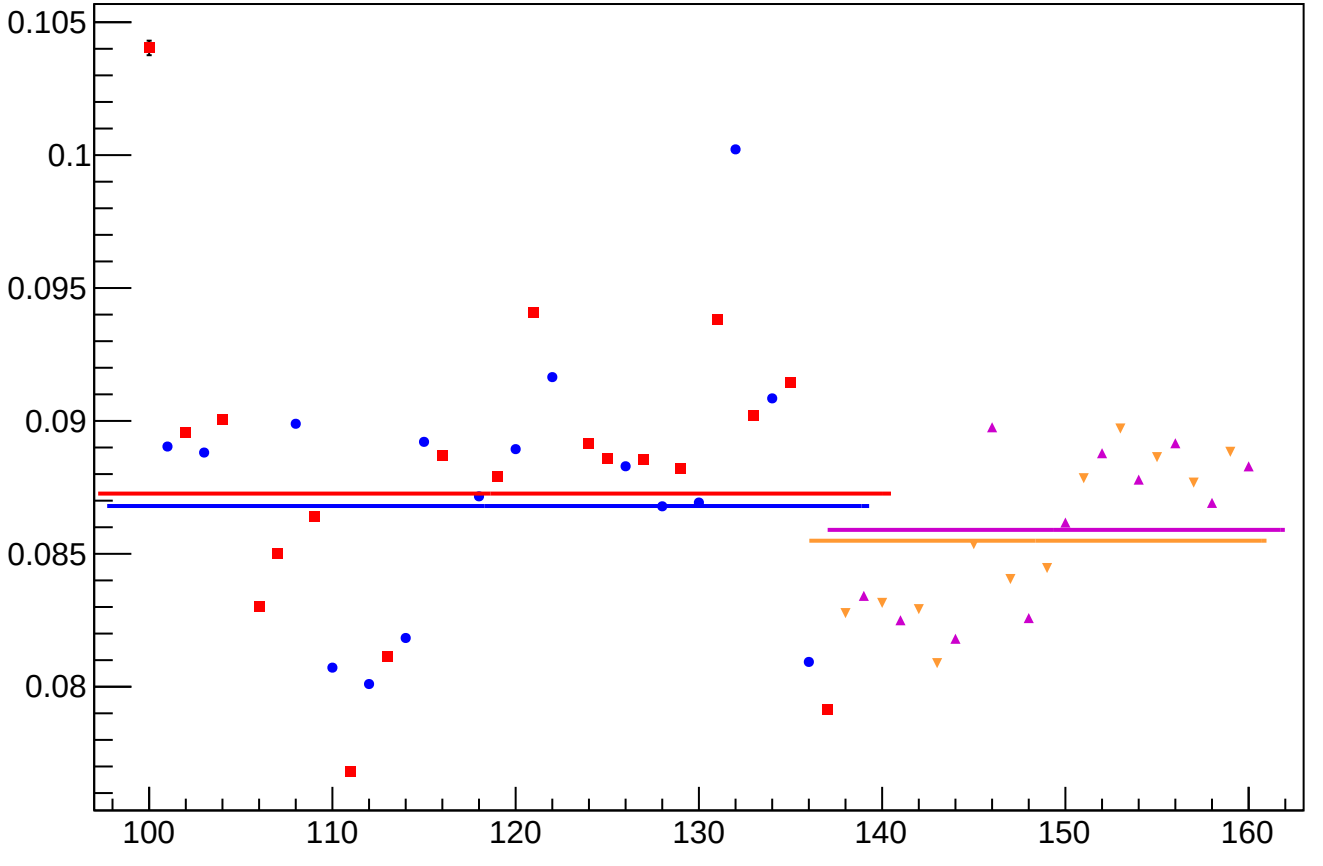
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.904+/-0.000 χ^2/NDF:1245967267.1/26

Out: -0.806+/-0.000 χ^2/NDF:1257656567.5/30

All: -0.855+/-0.000 χ^2/NDF: 2514307260.0/5

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:21118.9/10

Left: 0.086+/-0.000 χ^2/NDF: 41470.1/22

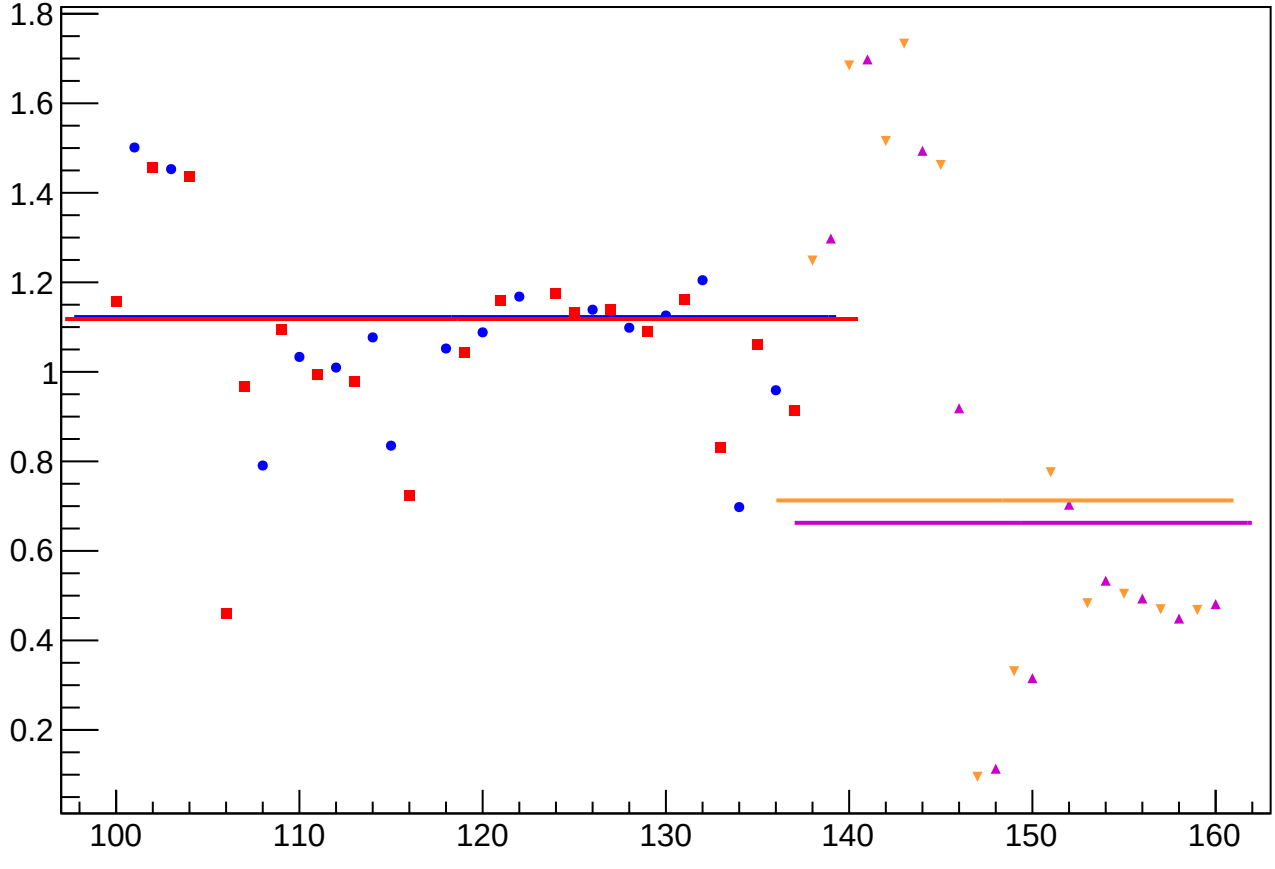
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:65574.5/26

Out: 0.086+/-0.000 χ^2/NDF:69803.2/30

All: 0.086+/-0.000 χ^2/NDF: 135379.5/57

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: 0.663+/-0.000 χ^2/NDF:21312914940.6/10

Left: 0.687+/-0.000 χ^2/NDF: 47873314241.7/22

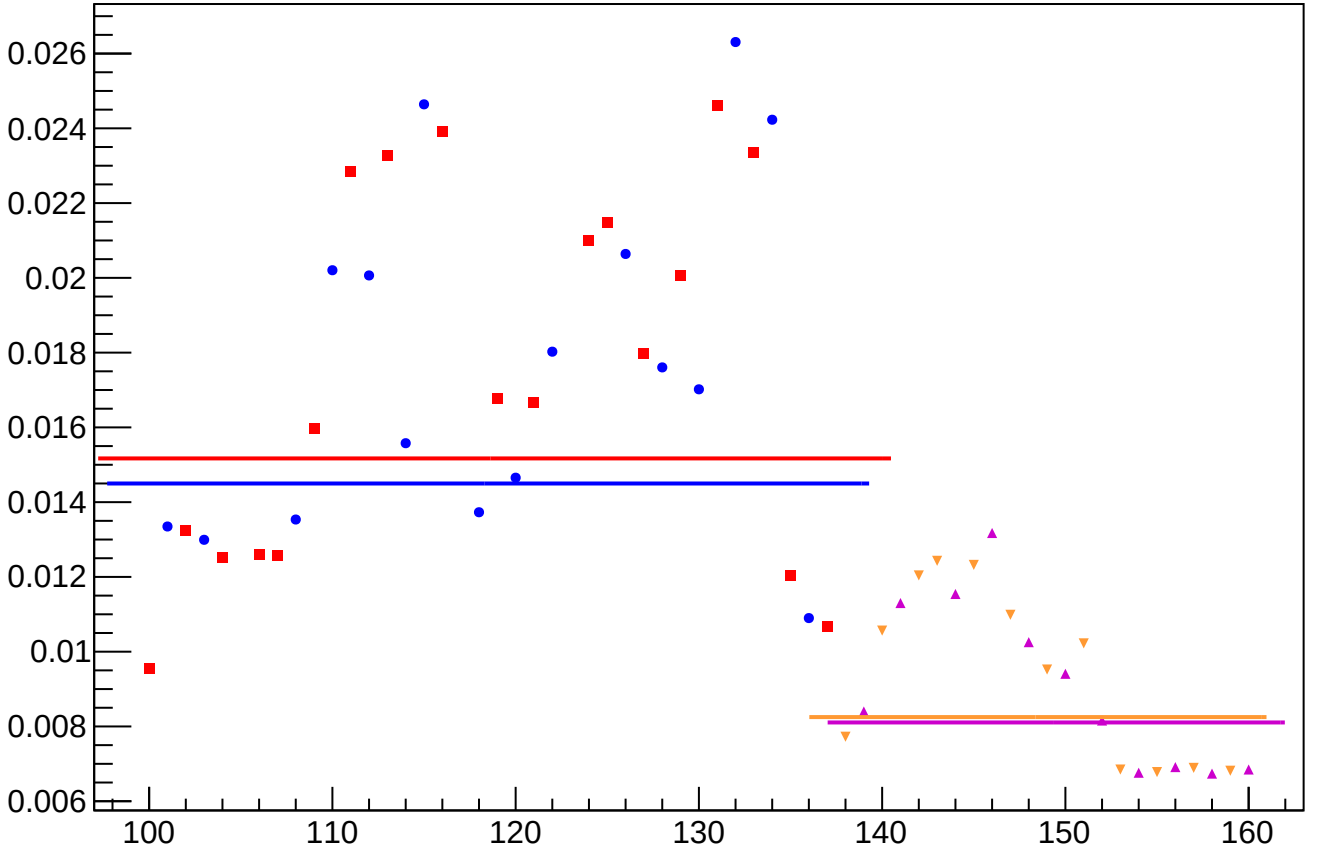
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.745+/-0.000 χ^2/NDF:27694462826.9/26

Out: 0.784+/-0.000 χ^2/NDF:31579902330.0/30

All: 0.764+/-0.000 χ^2/NDF: 59392458883.6/5

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:838731.8/10

Left: 0.008+/-0.000 χ^2/NDF: 1782408.7/22

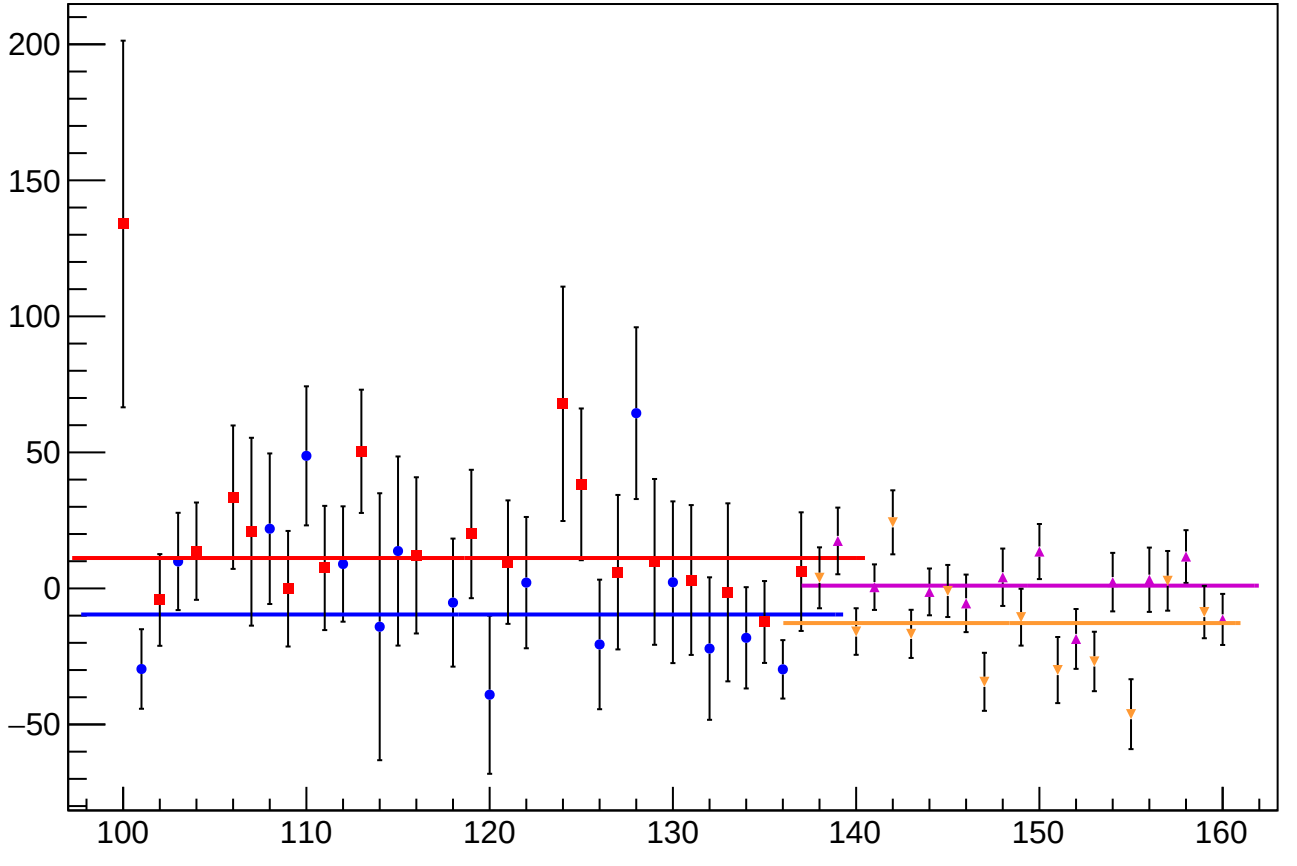
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3454733.8/26

Out: 0.009+/-0.000 χ^2/NDF:3909277.9/30

All: 0.009+/-0.000 χ^2/NDF: 7371265.7/57

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: 1.021+/-3.040 χ^2/NDF:10.1/10

Left: -5.938+/-2.137 χ^2/NDF: 51.2/22

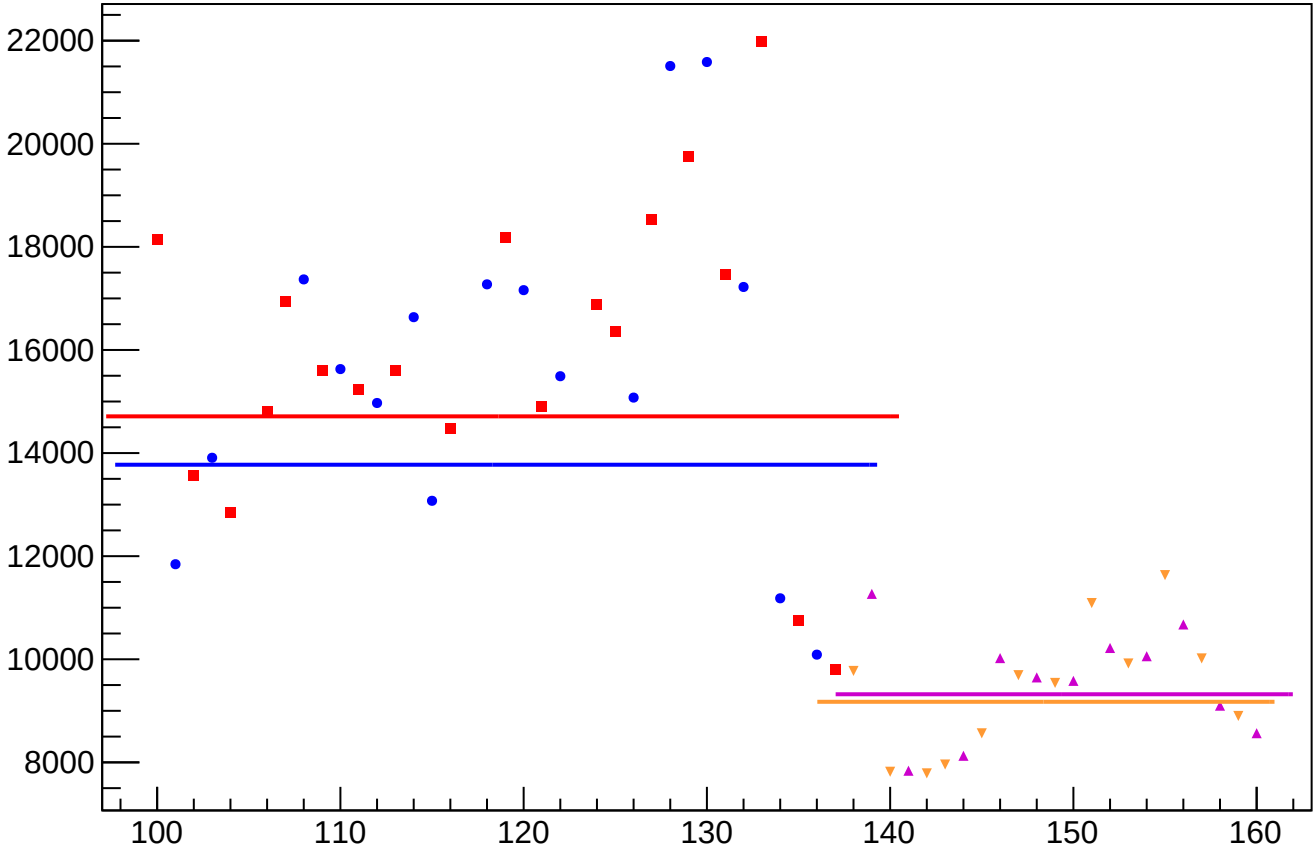
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.610+/-2.636 χ^2/NDF:35.0/26

Out: -7.235+/-2.636 χ^2/NDF:59.2/30

All: -4.422+/-1.864 χ^2/NDF: 96.5/57

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: 9321.353+/-2.150 χ^2/NDF:226848.5/10

Left: 9247.400+/-1.511 χ^2/NDF: 511706.4/22

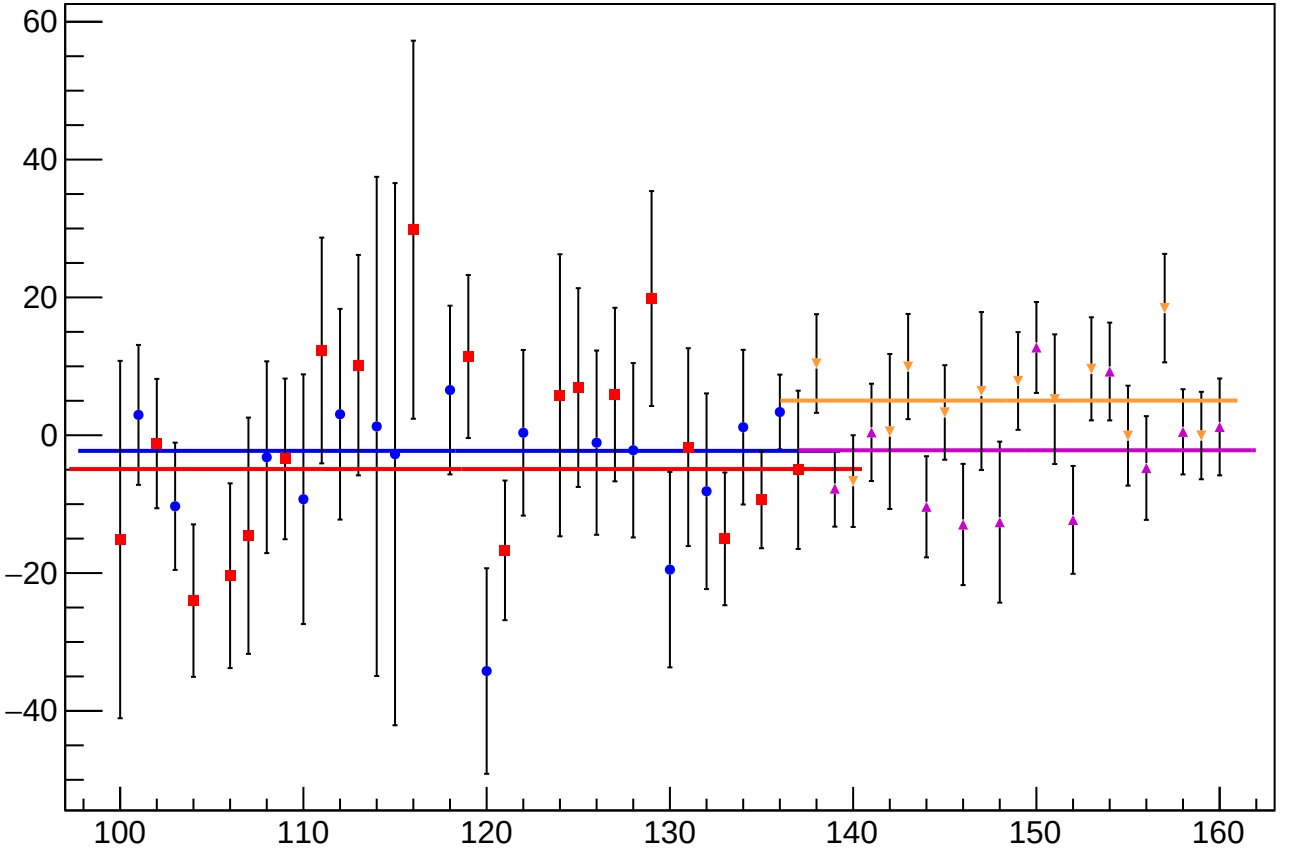
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10426.598+/-1.864 χ^2/NDF:2039328.7/26

Out: 10448.511+/-1.864 χ^2/NDF:2402300.2/30

All: 10437.554+/-1.318 χ^2/NDF: 4441698.0/5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.027+/-2.208 χ^2/NDF:8.9/11

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.181+/-2.157 χ^2/NDF:14.6/10

Left: 1.339+/-1.543 χ^2/NDF: 28.9/22

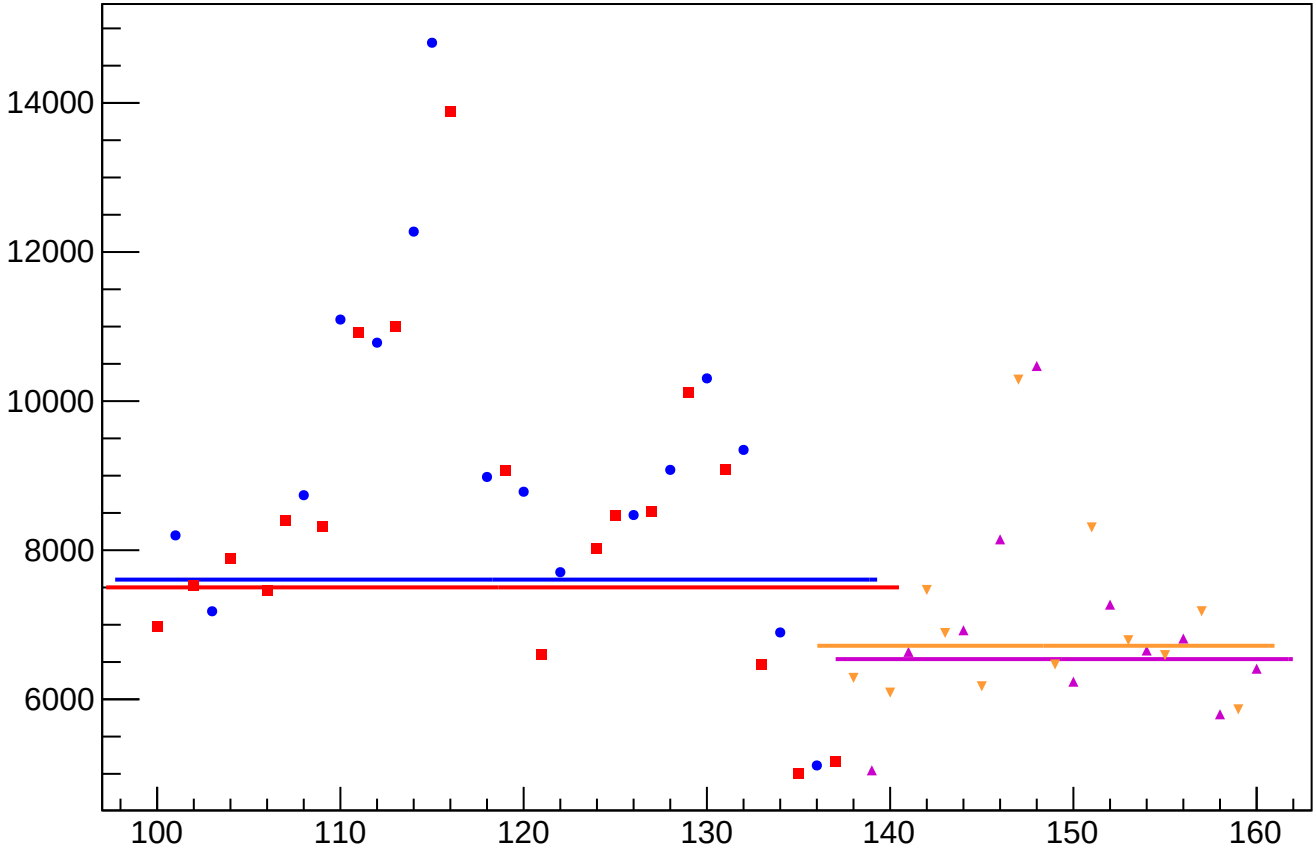
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.211+/-1.735 χ^2/NDF:23.9/26

Out: 1.279+/-1.742 χ^2/NDF:34.1/30

All: -0.473+/-1.230 χ^2/NDF: 60.0/57

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: 6539.157+/-1.525 χ^2/NDF:499487.3/10

Left: 6626.604+/-1.091 χ^2/NDF: 851256.3/22

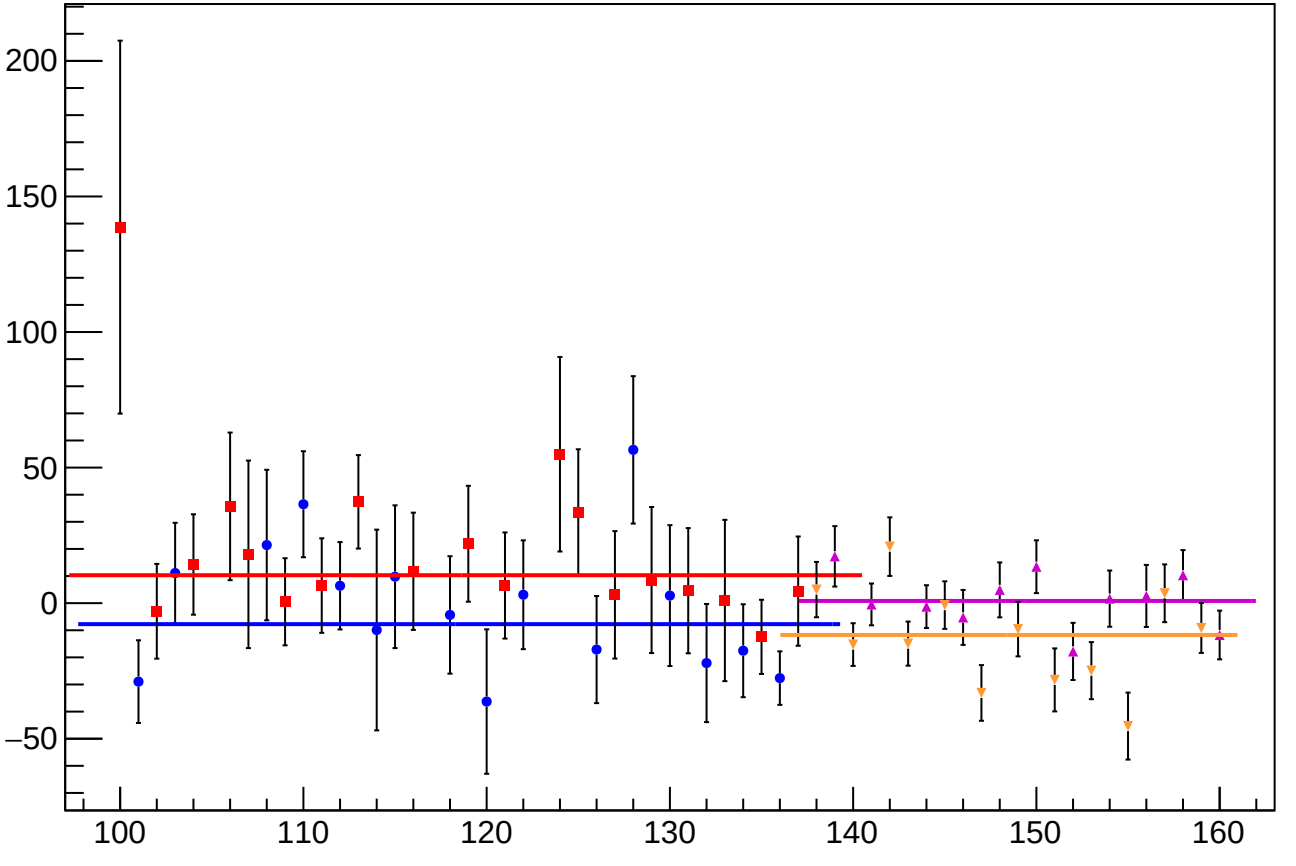
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6915.325+/-1.227 χ^2/NDF:1563454.5/26

Out: 7013.864+/-1.232 χ^2/NDF:1263582.1/30

All: 6964.400+/-0.869 χ^2/NDF: 2830248.2/57

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: 0.815+/-2.876 χ^2/NDF:10.6/10

Left: -5.572+/-2.015 χ^2/NDF: 51.6/22

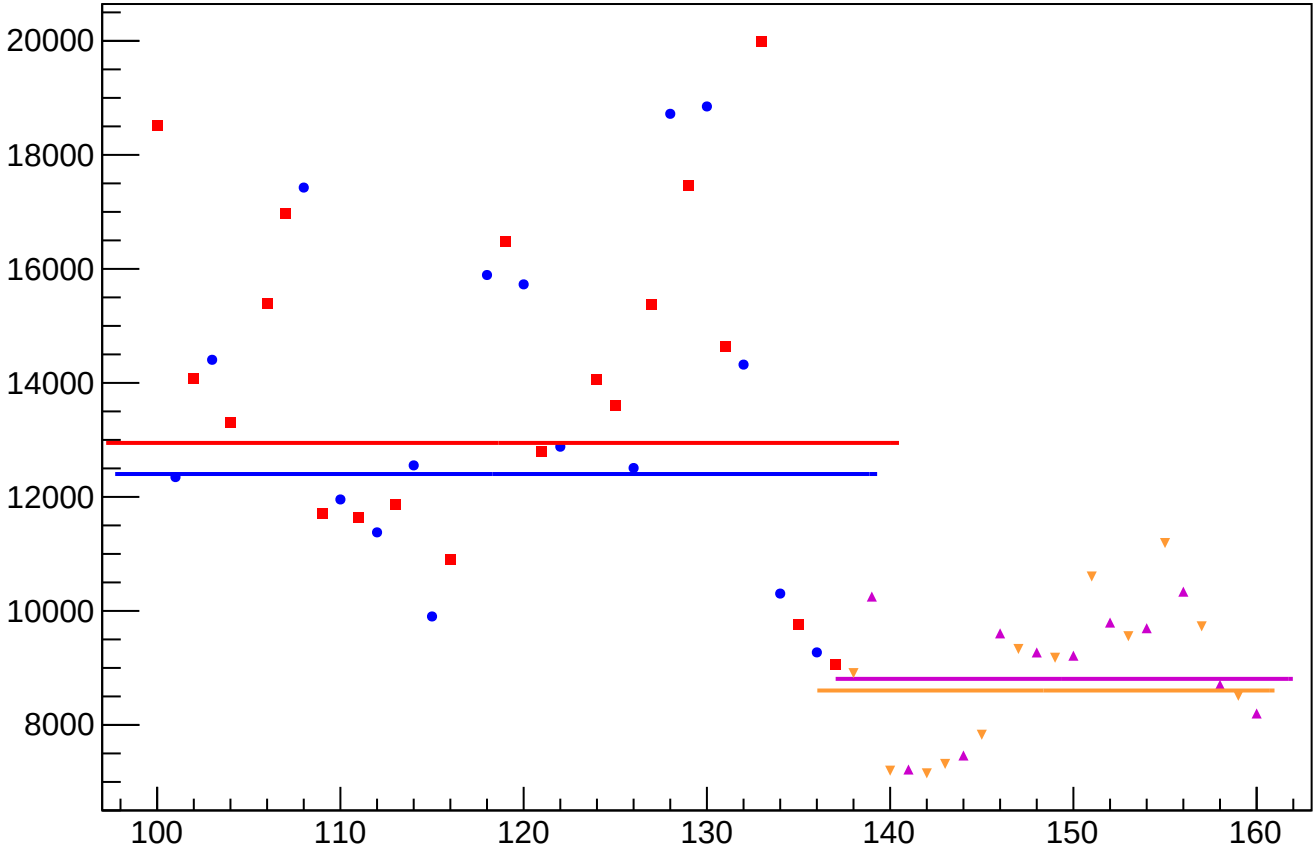
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.481+/-2.460 χ^2/NDF:35.7/26

Out: -6.132+/-2.439 χ^2/NDF:60.6/30

All: -3.827+/-1.732 χ^2/NDF: 98.1/57

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: 8808.151+/-2.034 χ^2/NDF:274042.8/10

Left: 8704.191+/-1.425 χ^2/NDF: 649079.1/22

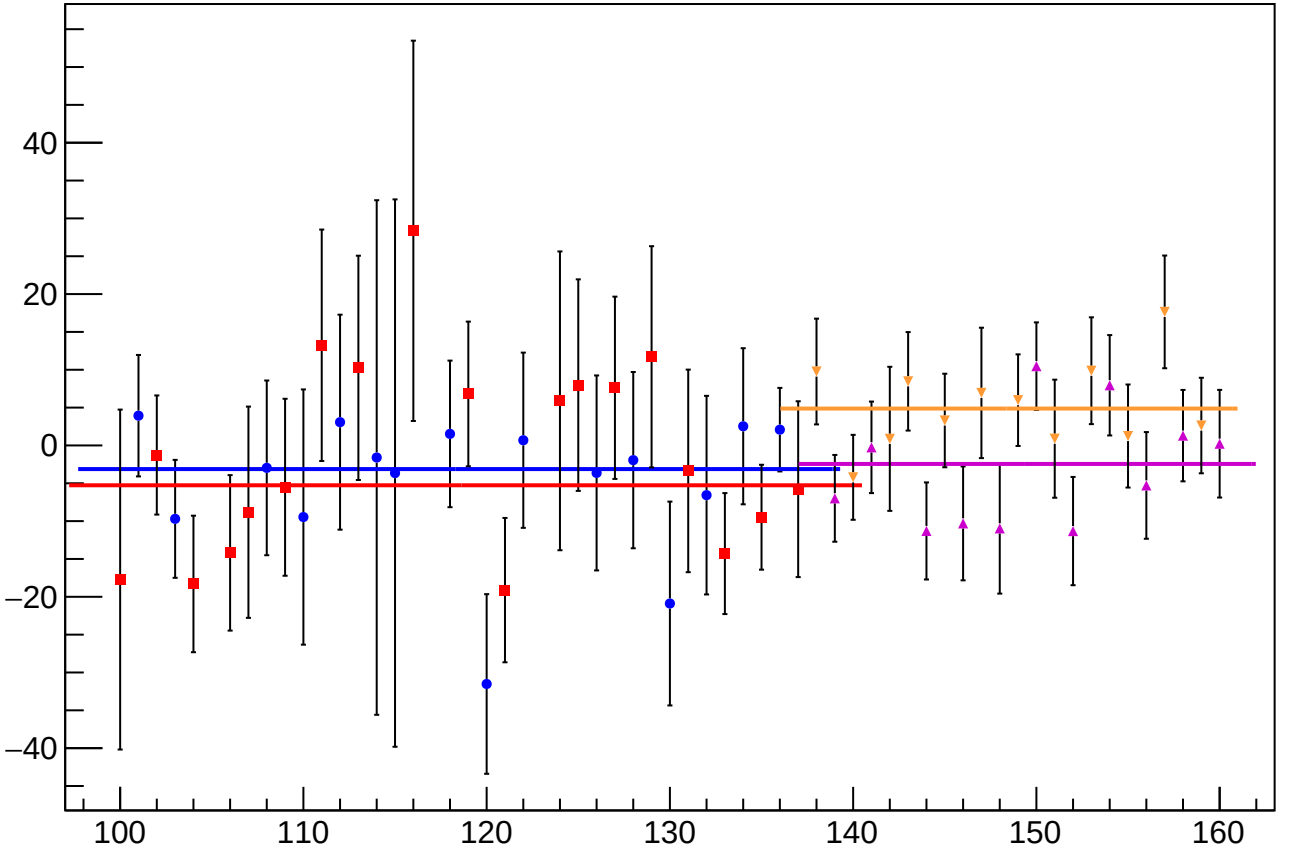
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9772.789+/-1.740 χ^2/NDF:1790458.0/26

Out: 9707.202+/-1.725 χ^2/NDF:2126708.3/30

All: 9739.716+/-1.225 χ^2/NDF: 3917883.1/57

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: -2.445+/-1.990 χ^2/NDF:14.4/10

Left: 1.232+/-1.403 χ^2/NDF: 29.1/22

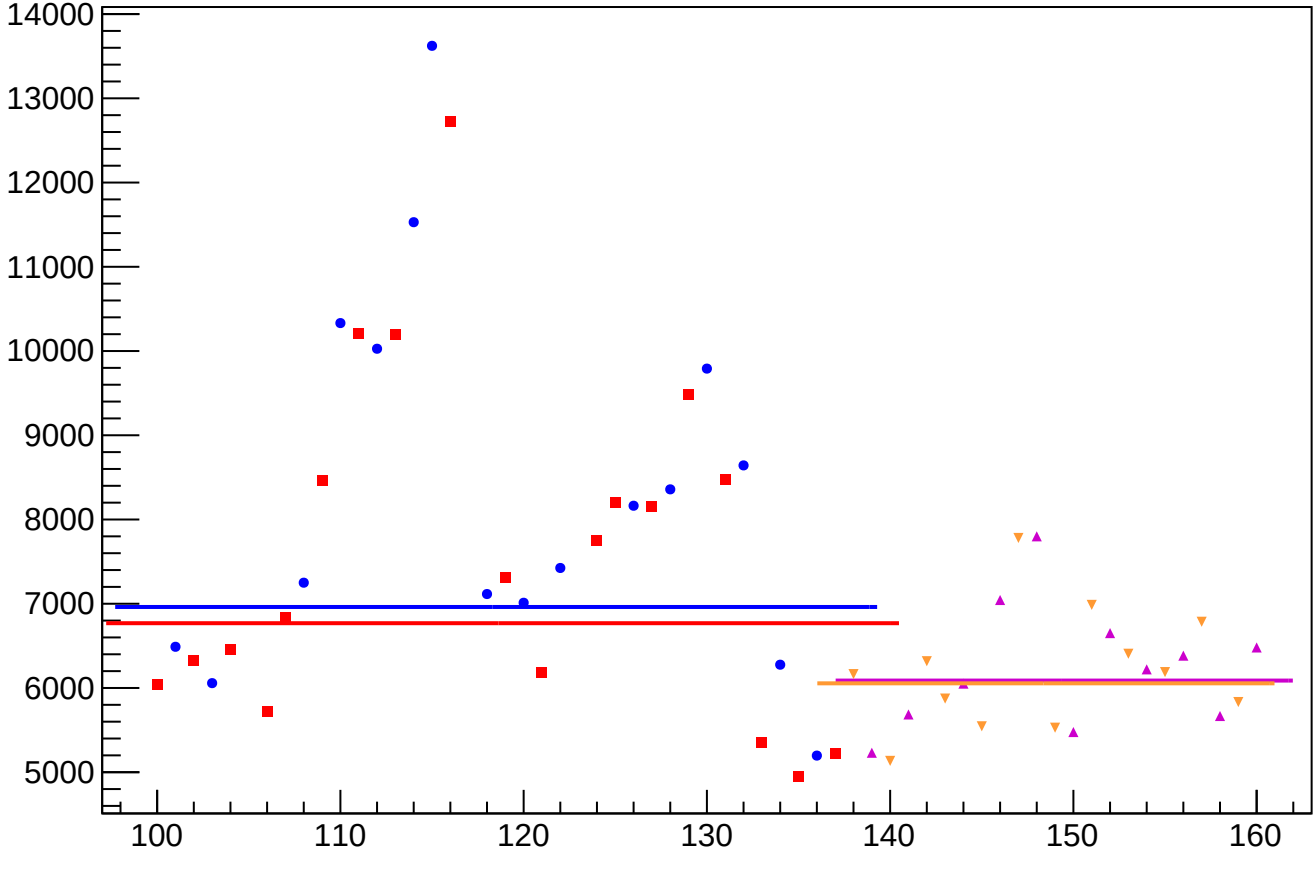
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.689+/-1.592 χ^2/NDF:25.3/26

Out: 1.065+/-1.565 χ^2/NDF:34.6/30

All: -0.779+/-1.116 χ^2/NDF: 62.8/57

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: 6087.940+/-1.407 χ^2/NDF:219649.0/10

Left: 6071.453+/-0.992 χ^2/NDF: 442331.5/22

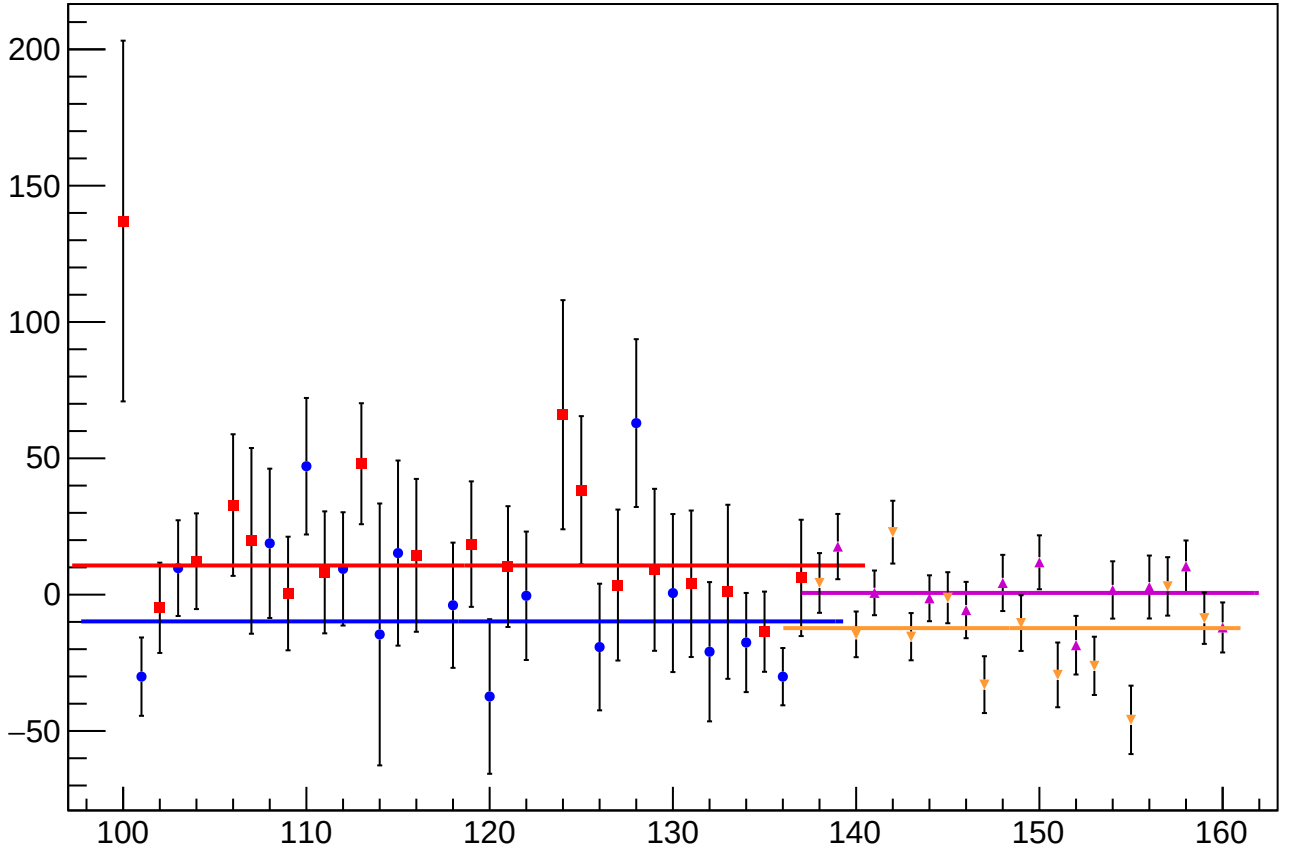
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6402.011+/-1.126 χ^2/NDF:1054703.5/26

Out: 6323.232+/-1.106 χ^2/NDF:1118155.3/30

All: 6361.931+/-0.789 χ^2/NDF: 2175349.6/57

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: 0.637+/-2.972 χ^2/NDF:10.0/10

Left: -5.893+/-2.090 χ^2/NDF: 50.0/22

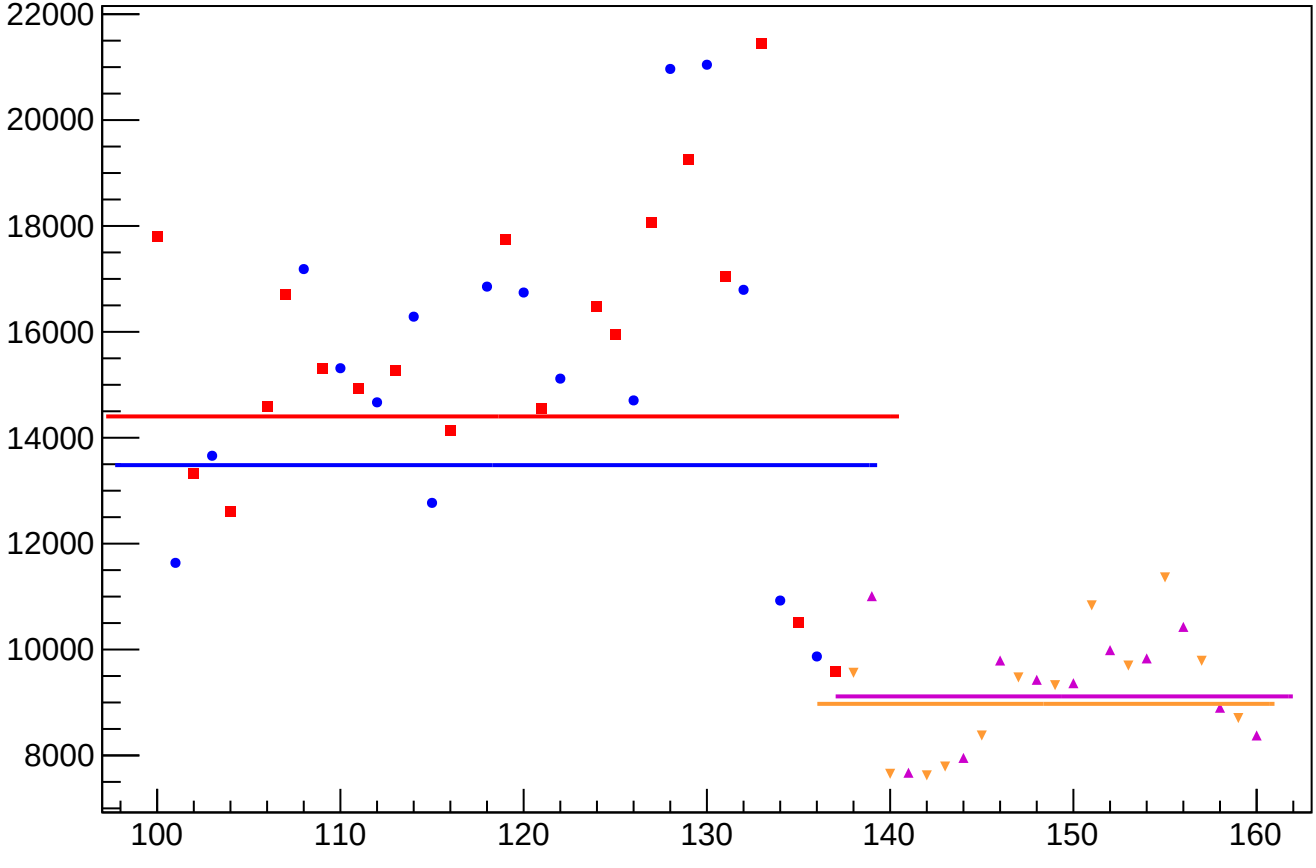
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.953+/-2.578 χ^2/NDF:35.1/26

Out: -6.995+/-2.579 χ^2/NDF:58.7/30

All: -4.473+/-1.823 χ^2/NDF: 95.8/57

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: 9114.883+/-2.102 χ^2/NDF:224106.0/10

Left: 9043.699+/-1.478 χ^2/NDF: 505741.5/22

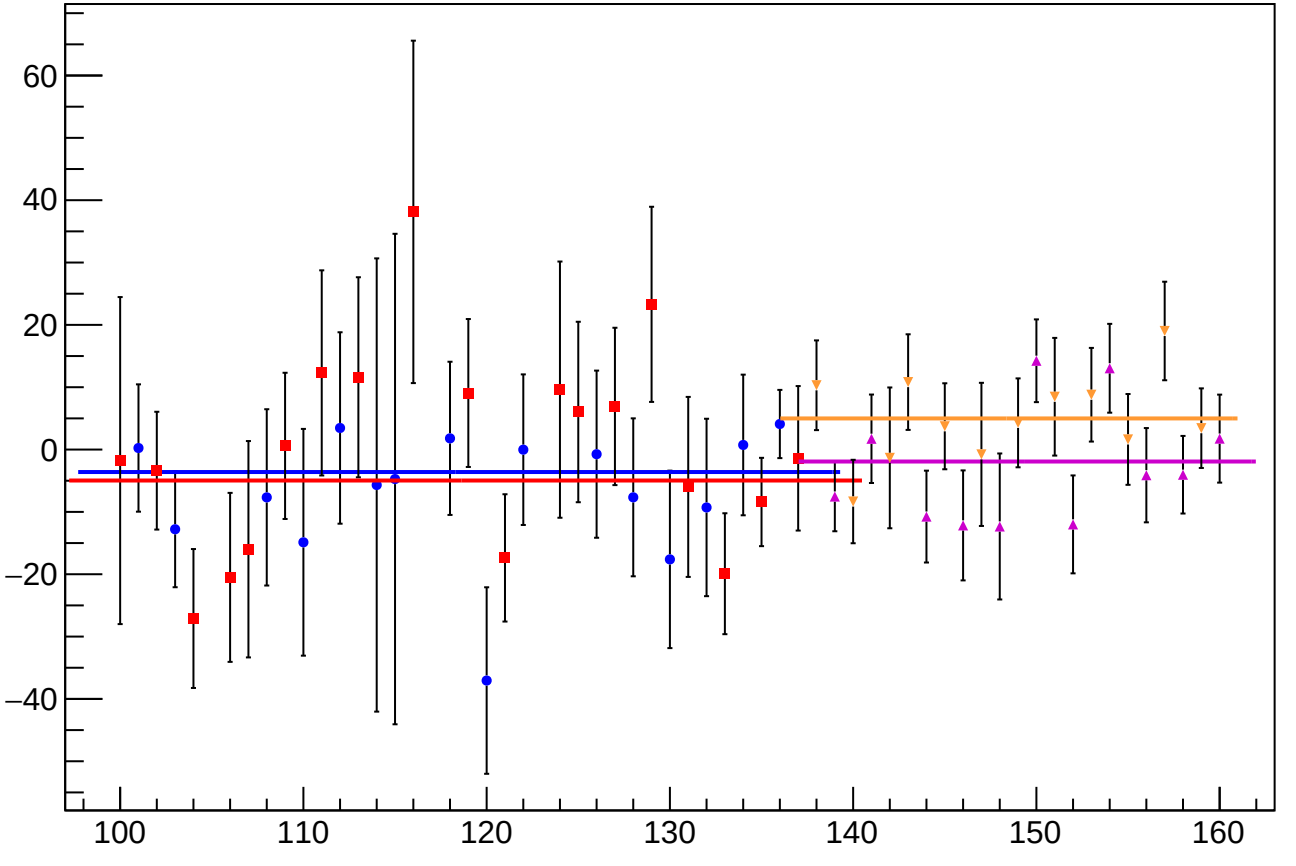
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10197.538+/-1.823 χ^2/NDF:2038241.1/26

Out: 10220.878+/-1.823 χ^2/NDF:2400043.2/30

All: 10209.205+/-1.289 χ^2/NDF: 4438366.3/5

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: -1.919+/-2.169 χ^2/NDF:17.3/10

Left: 1.457+/-1.551 χ^2/NDF: 31.8/22

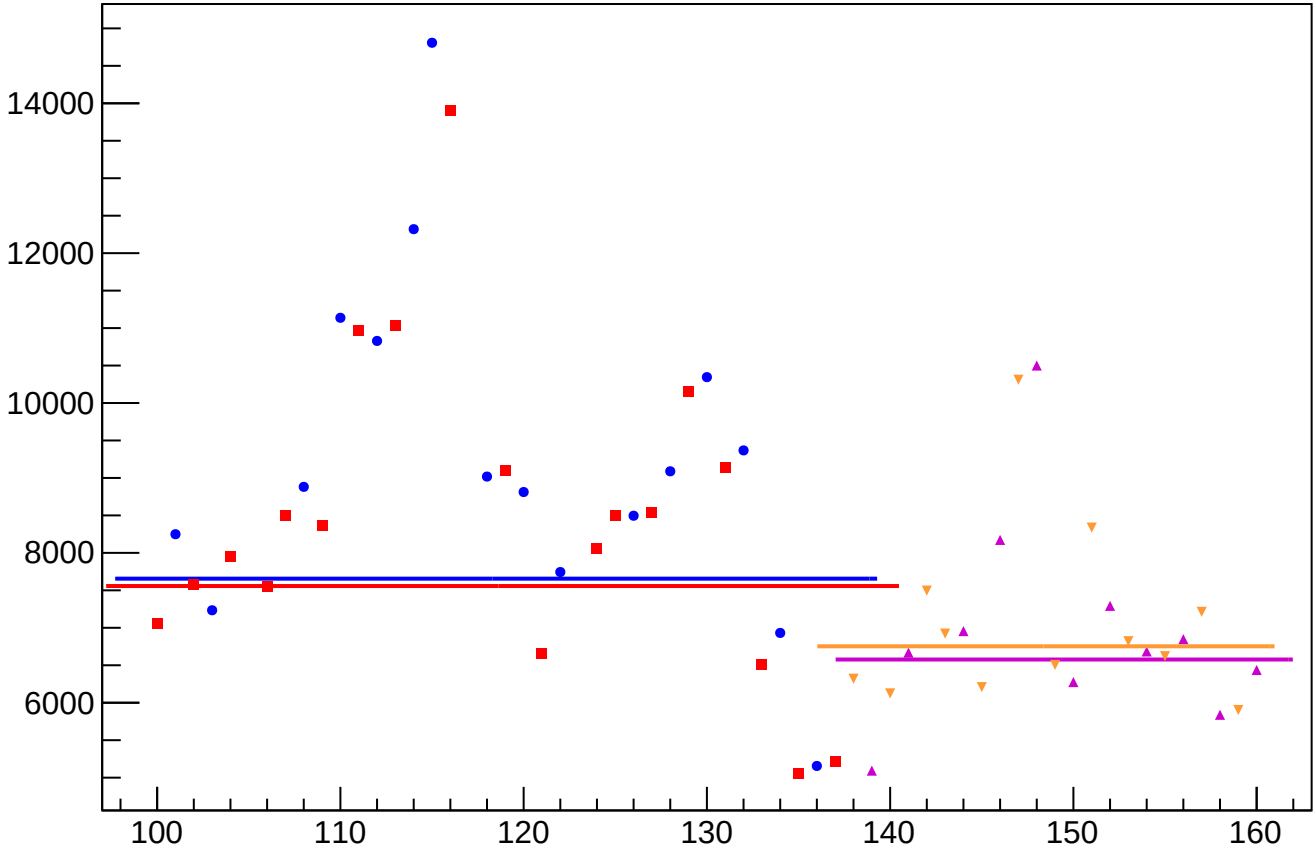
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.513+/-1.745 χ^2/NDF:28.0/26

Out: 1.243+/-1.752 χ^2/NDF:38.5/30

All: -0.643+/-1.236 χ^2/NDF: 68.8/57

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: 6576.637+/-1.533 χ^2/NDF:490058.3/10

Left: 6662.795+/-1.097 χ^2/NDF: 837332.8/22

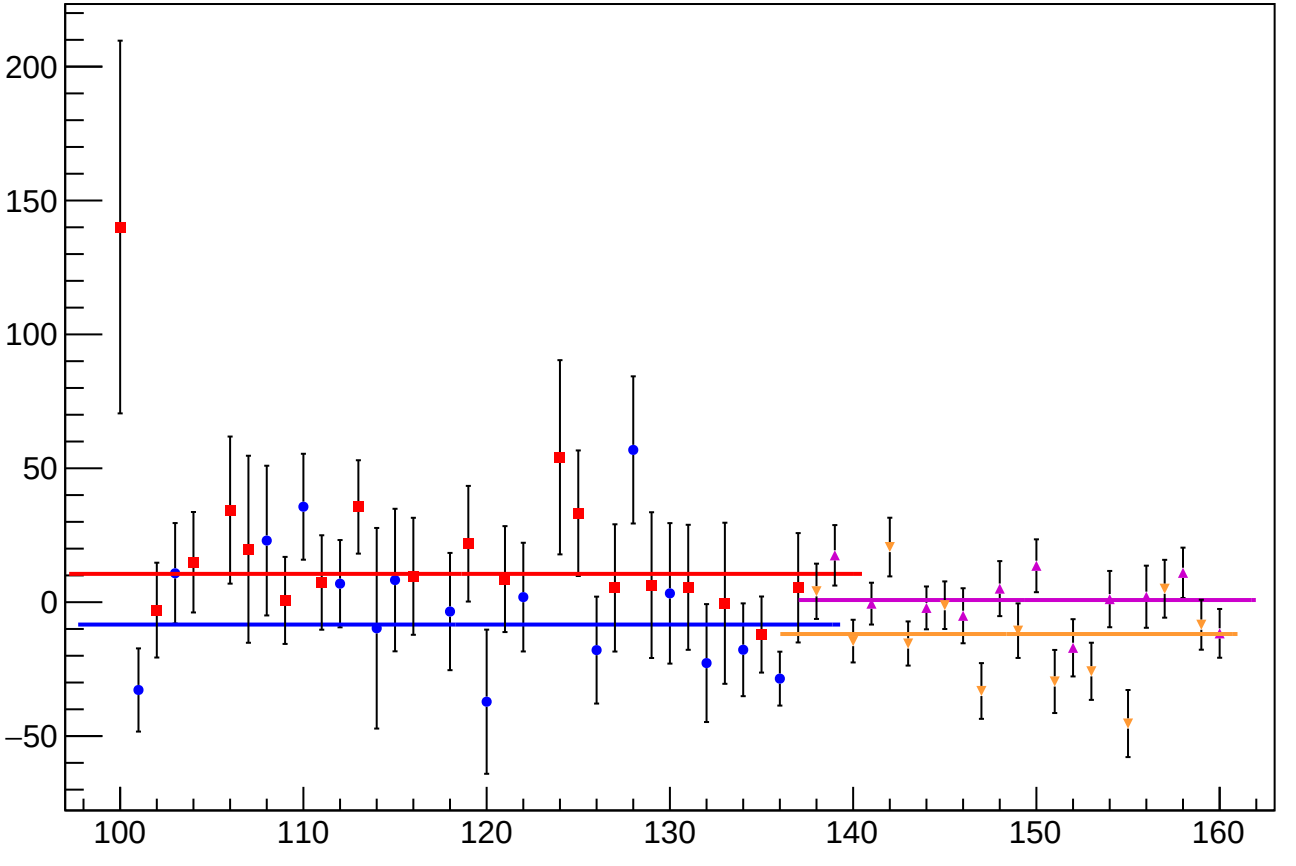
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6956.909+/-1.234 χ^2/NDF:1544370.0/26

Out: 7055.912+/-1.239 χ^2/NDF:1249653.5/30

All: 7006.213+/-0.874 χ^2/NDF: 2797228.9/57

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.886+/-2.862 χ^2/NDF:30.8/11

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 0.807+/-2.915 χ^2/NDF:10.4/10

Left: -5.657+/-2.042 χ^2/NDF: 50.8/22

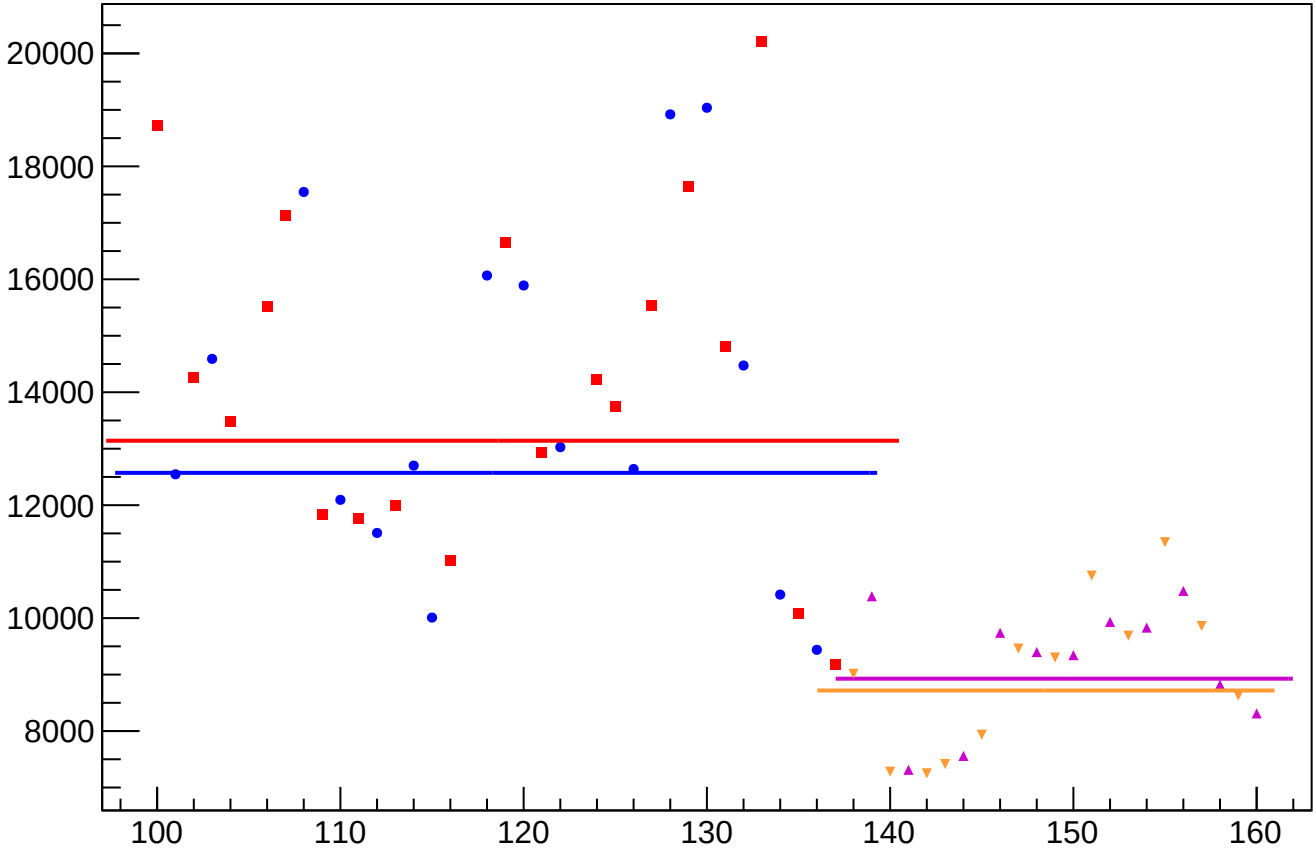
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.650+/-2.494 χ^2/NDF:36.3/26

Out: -6.193+/-2.473 χ^2/NDF:59.3/30

All: -3.941+/-1.756 χ^2/NDF: 97.3/57

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: 8927.354+/-2.061 χ^2/NDF:275139.3/10

Left: 8820.768+/-1.444 χ^2/NDF: 651829.6/22

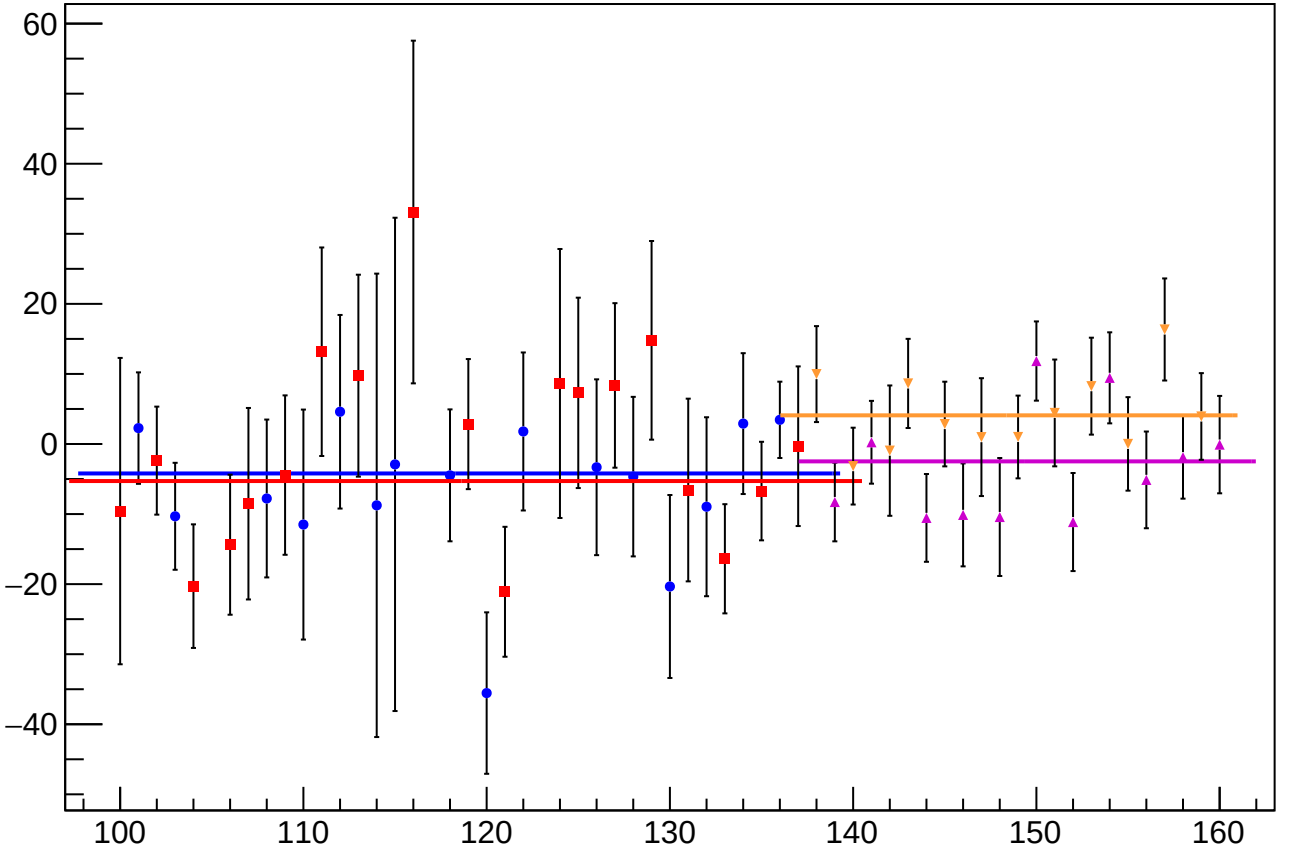
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9905.492+/-1.763 χ^2/NDF:1779292.2/26

Out: 9839.273+/-1.748 χ^2/NDF:2117357.3/30

All: 9872.102+/-1.241 χ^2/NDF: 3897360.7/57

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: -2.481+/-1.946 χ^2/NDF:16.5/10

Left: 0.821+/-1.373 χ^2/NDF: 29.5/22

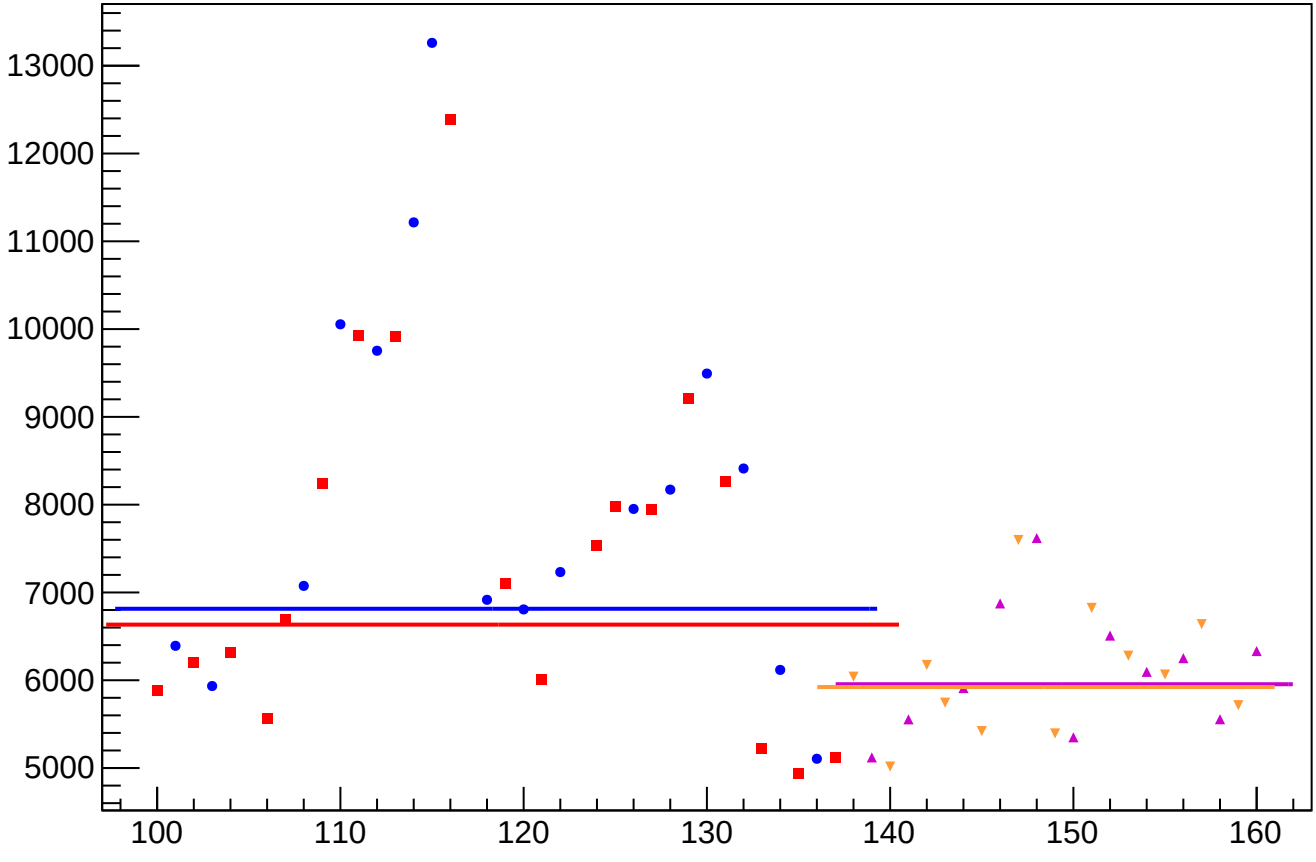
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.099+/-1.558 χ^2/NDF:30.6/26

Out: 0.577+/-1.531 χ^2/NDF:35.8/30

All: -1.230+/-1.092 χ^2/NDF: 69.3/57

diff_bpm4ecY_rms vs Slug, Sign Corrected



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: 5954.571+/-1.376 χ^2/NDF:218040.7/10

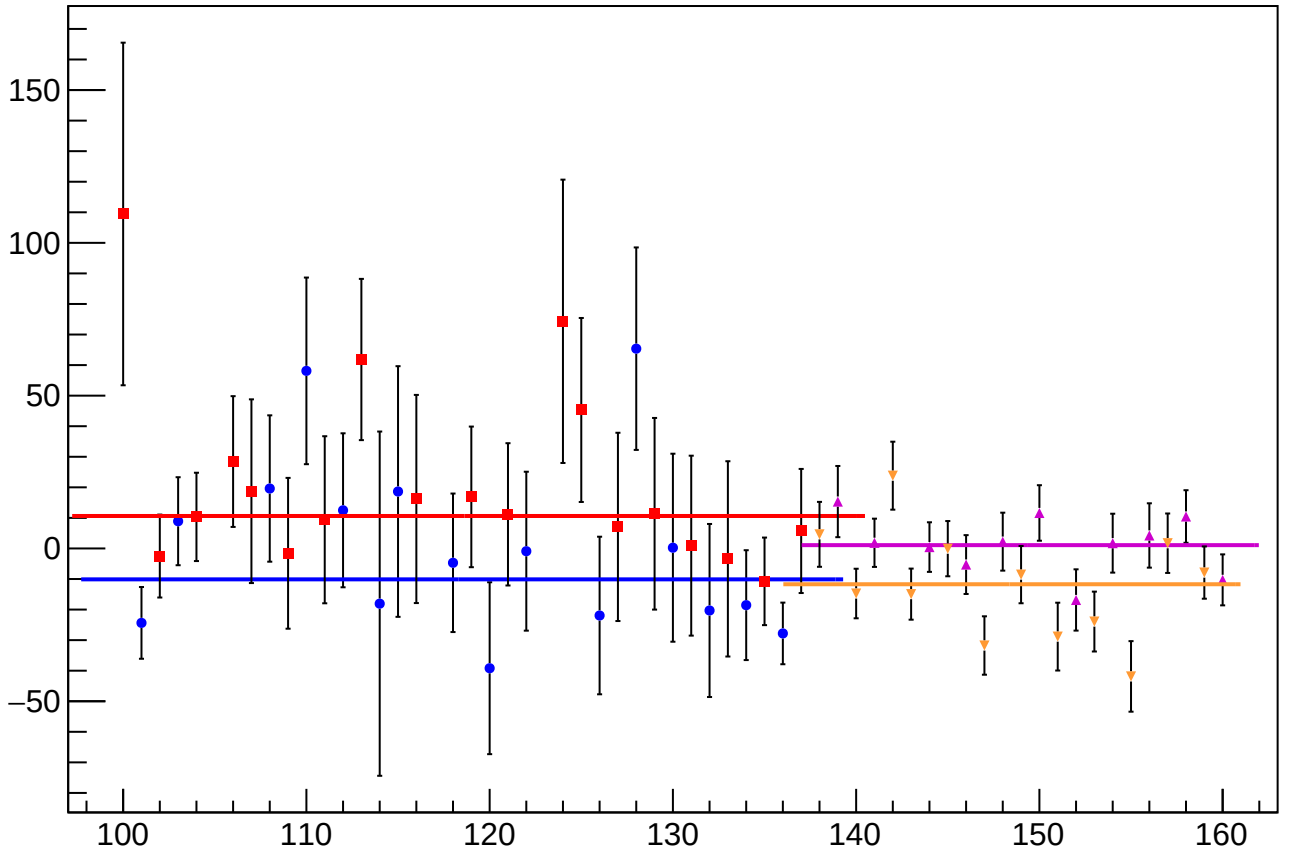
Left: 5938.456+/-0.971 χ^2/NDF: 441442.1/22

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6263.175+/-1.102 χ^2/NDF:1032271.5/26

Out: 6188.956+/-1.083 χ^2/NDF:1087529.2/30

All: 6225.430+/-0.772 χ^2/NDF: 2122109.1/57



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: 1.084+/-2.771 χ^2/NDF:9.6/10

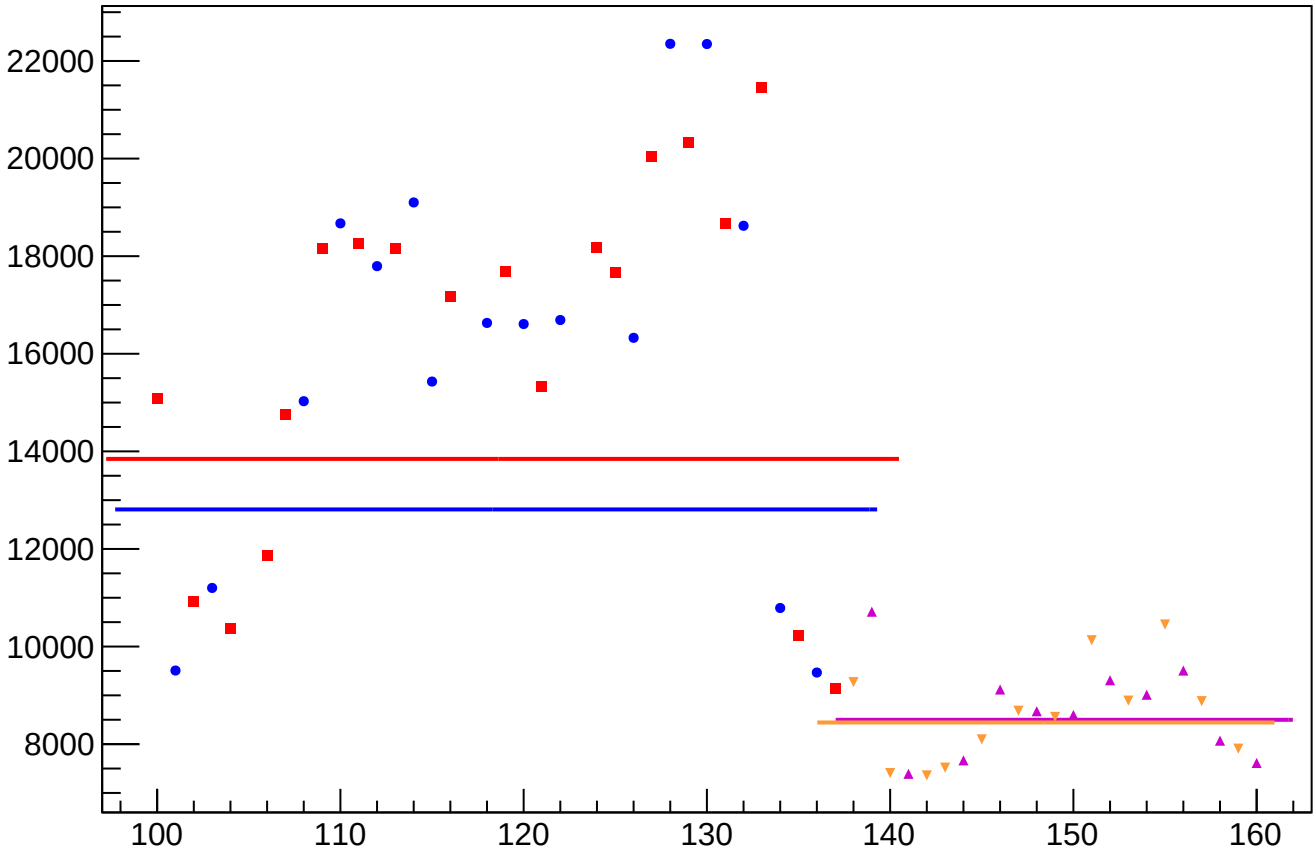
Left: -5.341+/-1.955 χ^2/NDF: 52.3/22

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

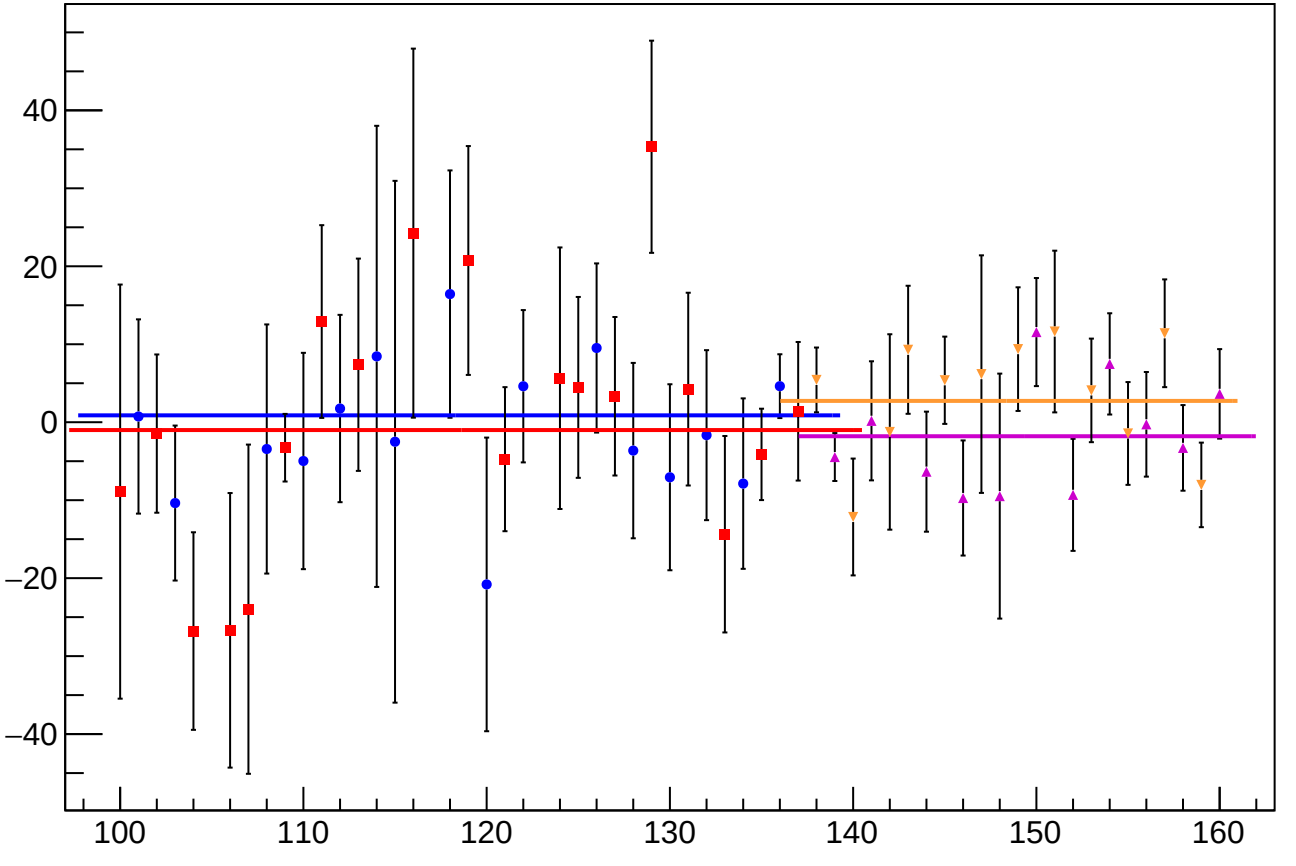
In: -1.533+/-2.426 χ^2/NDF:34.7/26

Out: -6.917+/-2.445 χ^2/NDF:60.7/30

All: -4.203+/-1.722 χ^2/NDF: 97.9/57


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8443.831+/-1.951 χ²/NDF:215613.0/11
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8499.020+/-1.959 χ²/NDF:206399.2/10
Left: 8471.311+/-1.383 χ²/NDF: 422410.6/22
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9506.564+/-1.715 χ²/NDF:2586102.6/26
Out: 9603.790+/-1.729 χ²/NDF:2958056.6/30
All: 9554.785+/-1.218 χ²/NDF: 5545753.0/57

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: -1.798+/-1.790 χ^2/NDF:10.4/10

Left: 0.258+/-1.323 χ^2/NDF: 26.1/22

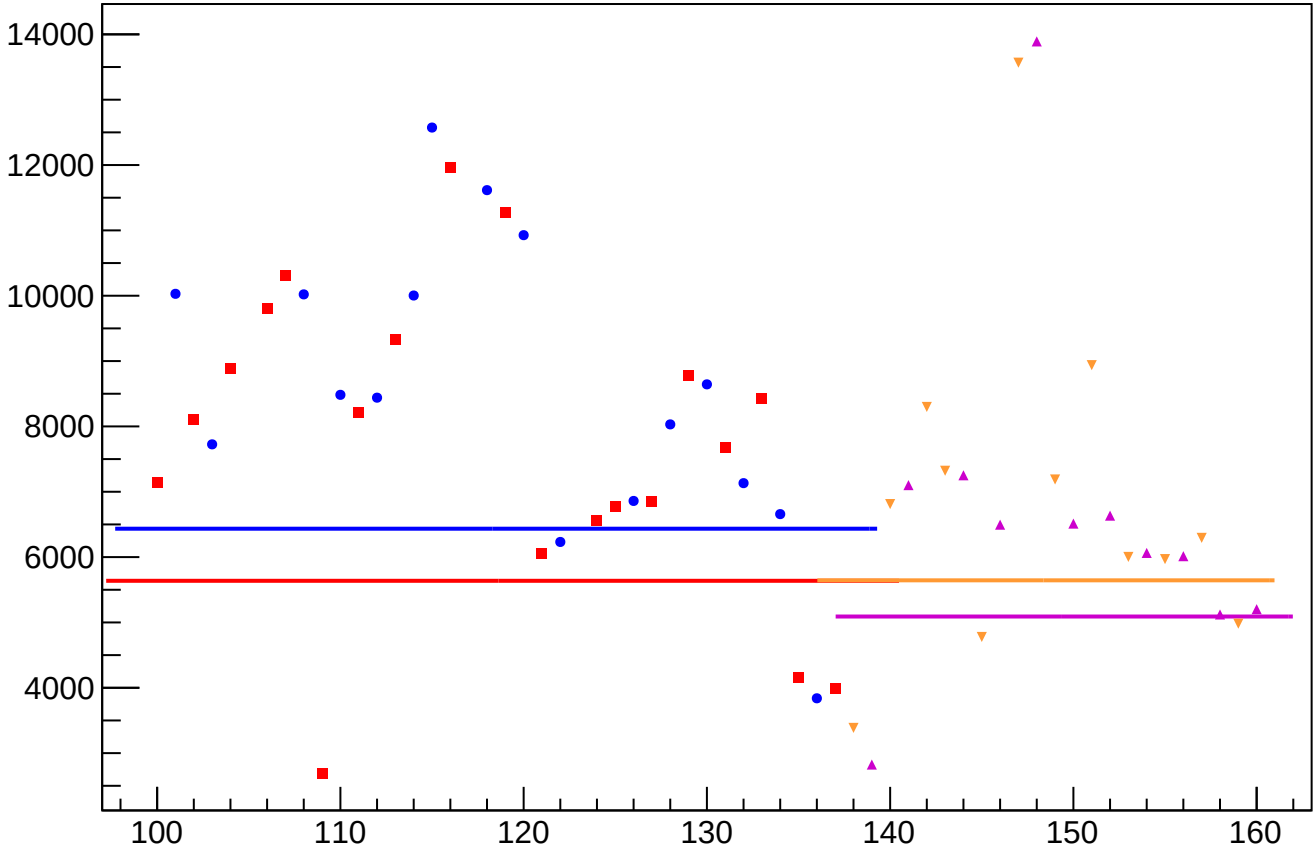
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.921+/-1.468 χ^2/NDF:18.0/26

Out: 1.167+/-1.498 χ^2/NDF:36.6/30

All: 0.102+/-1.048 χ^2/NDF: 55.6/57

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: 5090.697+/-1.266 χ^2/NDF:2343920.1/10

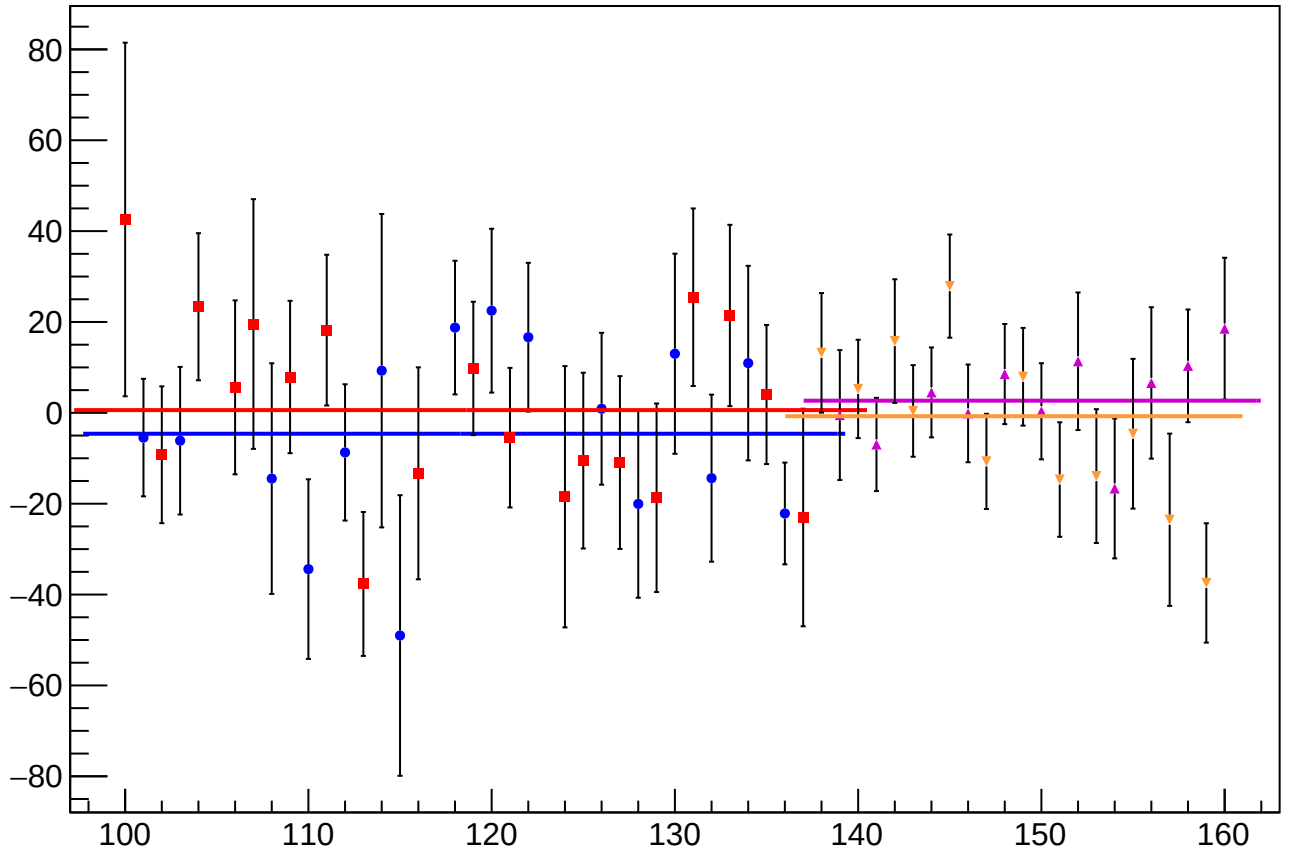
Left: 5341.915+/-0.936 χ^2/NDF: 4167686.0/22

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

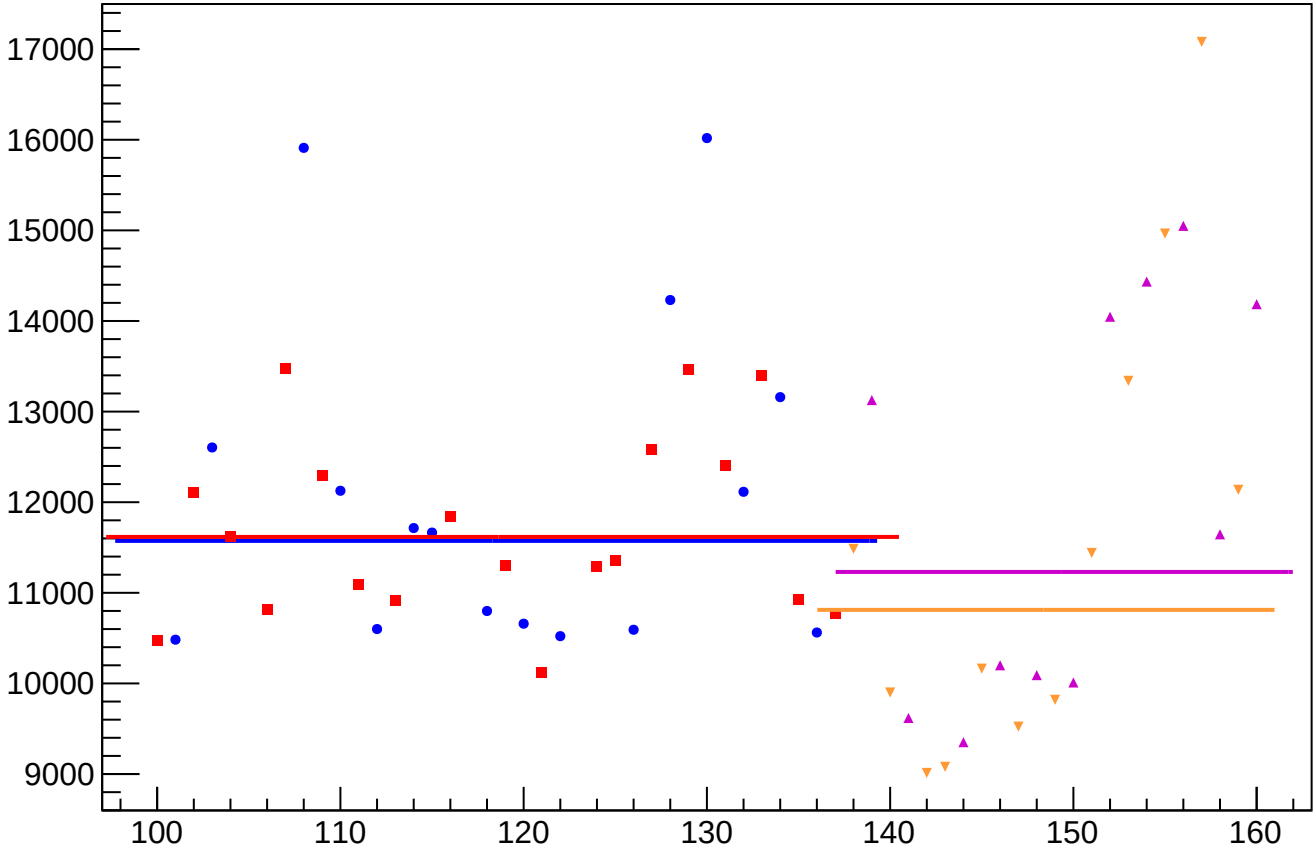
In: 5530.683+/-1.038 χ^2/NDF:4463469.4/26

Out: 5641.502+/-1.059 χ^2/NDF:4316981.0/30

All: 5584.993+/-0.741 χ^2/NDF: 8786033.8/57


diff_bpm11X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: -0.737+/-3.575 χ²/NDF:22.2/11
Right Out: 0.600+/-4.266 χ²/NDF: 17.9/18
Left In: 2.678+/-3.696 χ²/NDF:4.7/10
Left: 0.913+/-2.570 χ²/NDF: 27.3/22
Right: -1.948+/-3.048 χ²/NDF: 34.4/34
In: -0.371+/-2.818 χ²/NDF:22.1/26
Out: -0.186+/-2.740 χ²/NDF:40.1/30
All: -0.276+/-1.965 χ²/NDF: 62.3/57

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: 11230.450+/-2.614 χ^2/NDF:557703.6/10

Left: 11014.160+/-1.817 χ^2/NDF: 1168028.6/22

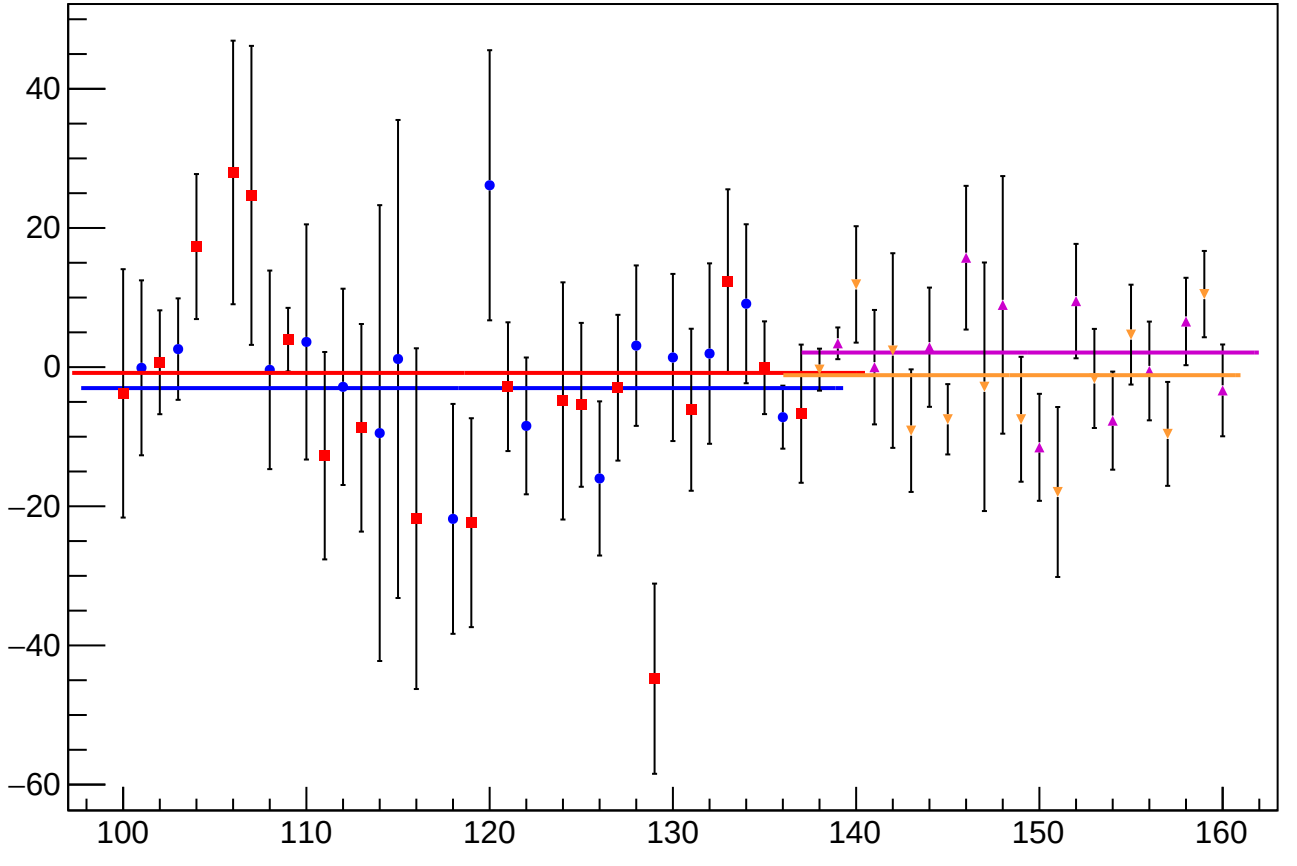
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11373.934+/-1.993 χ^2/NDF:824966.4/26

Out: 11143.894+/-1.938 χ^2/NDF:732059.8/30

All: 11255.699+/-1.389 χ^2/NDF: 1563876.0/5

diff_bpm11Y_mean vs Slug, Sign Corrected



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: 2.096+/-1.683 χ^2/NDF:9.5/10

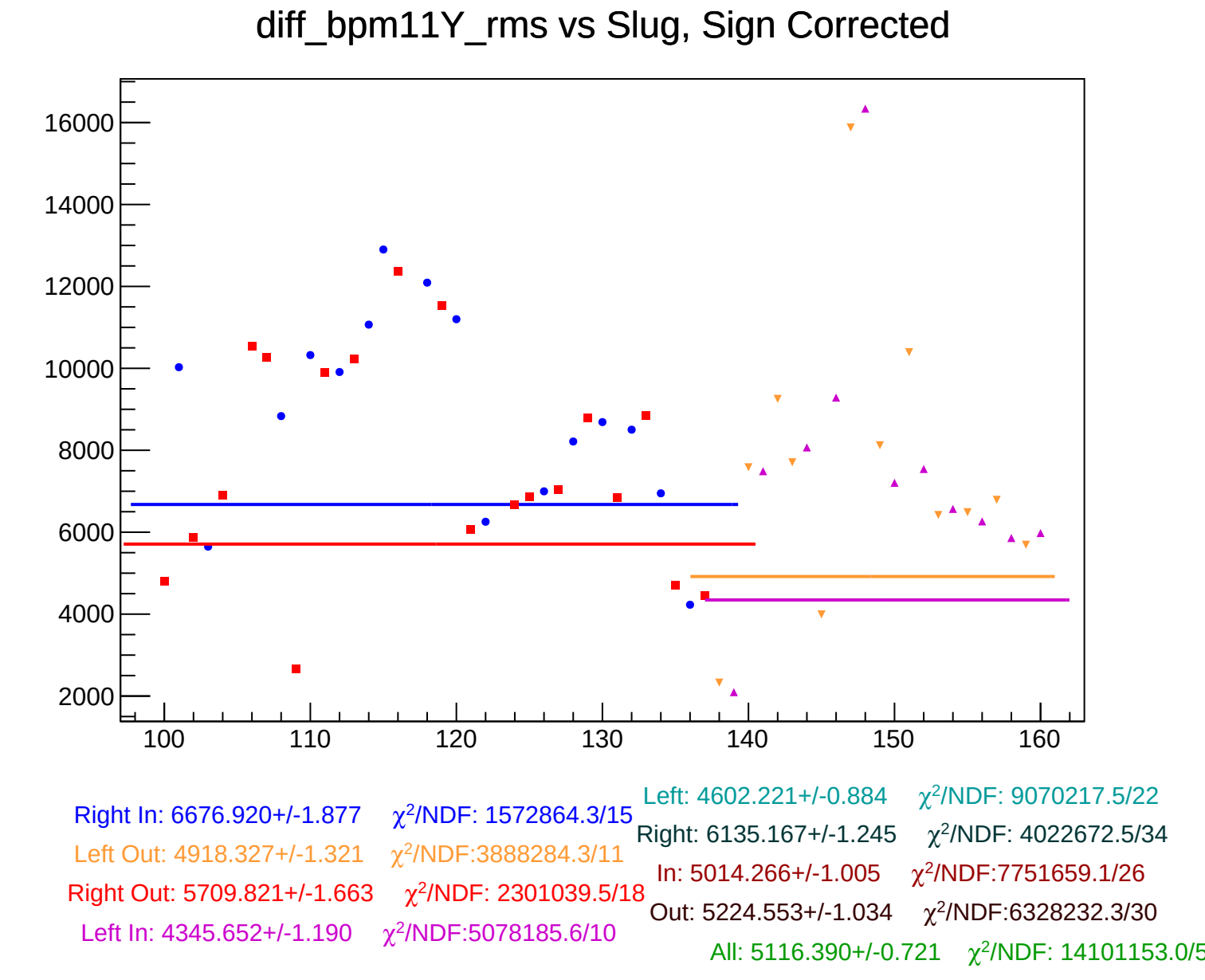
Left: 0.638+/-1.250 χ^2/NDF: 24.0/22

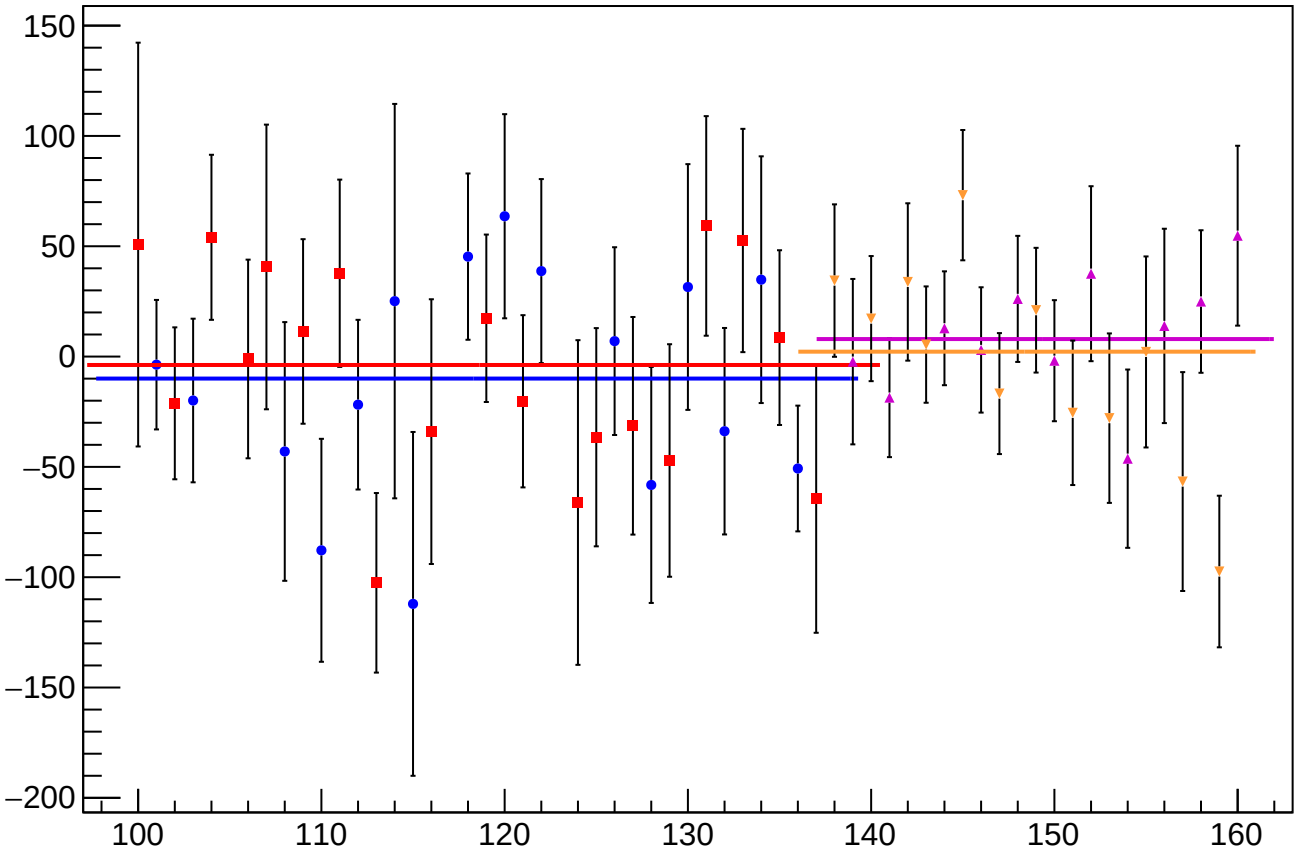
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.631+/-1.421 χ^2/NDF:20.8/26

Out: -1.031+/-1.463 χ^2/NDF:36.7/30

All: -0.177+/-1.019 χ^2/NDF: 58.1/57


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: 4345.652+/-1.190 χ²/NDF:5078185.6/10
Left: 4602.221+/-0.884 χ²/NDF: 9070217.5/22
Right: 6135.167+/-1.245 χ²/NDF: 4022672.5/34
In: 5014.266+/-1.005 χ²/NDF:7751659.1/26
Out: 5224.553+/-1.034 χ²/NDF:6328232.3/30
All: 5116.390+/-0.721 χ²/NDF: 14101153.0/5



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: 7.936+/-9.666 χ^2/NDF:5.6/10

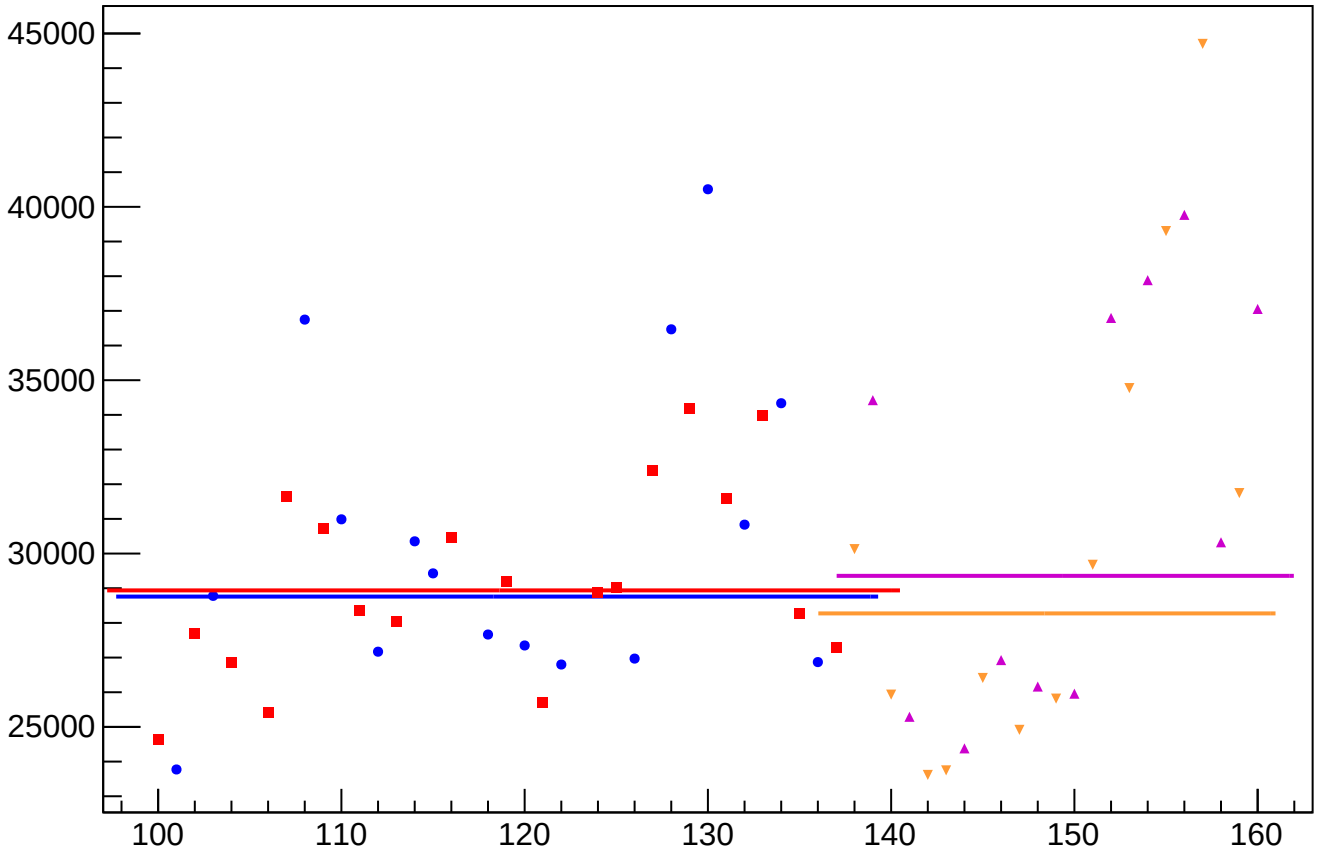
Left: 4.984+/-6.721 χ^2/NDF: 25.6/22

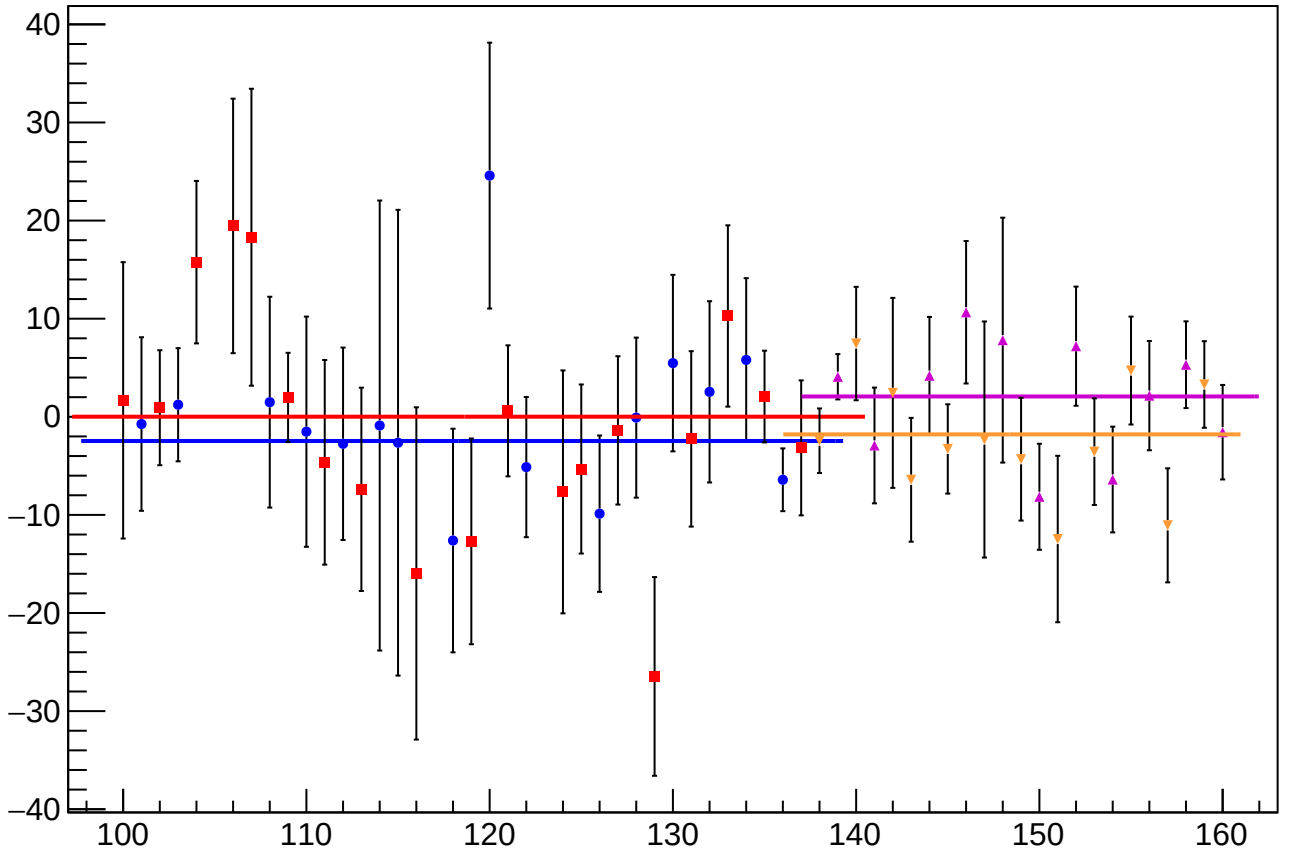
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.002+/-7.213 χ^2/NDF:22.4/26

Out: -0.410+/-7.023 χ^2/NDF:37.3/30

All: -0.210+/-5.032 χ^2/NDF: 59.7/57


diff_bpm12X_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 28273.727+/-6.613 χ²/NDF:596066.5/11
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 29357.198+/-6.835 χ²/NDF:570953.6/10
Left: 28797.576+/-4.752 χ²/NDF: 1179999.6/22
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29092.176+/-5.101 χ²/NDF:851986.7/26
Out: 28563.195+/-4.966 χ²/NDF:706727.3/30
All: 28820.625+/-3.558 χ²/NDF: 1564235.5/5



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: 2.073+/-1.426 χ^2/NDF:11.1/10

Left: 0.338+/-1.059 χ^2/NDF: 24.9/22

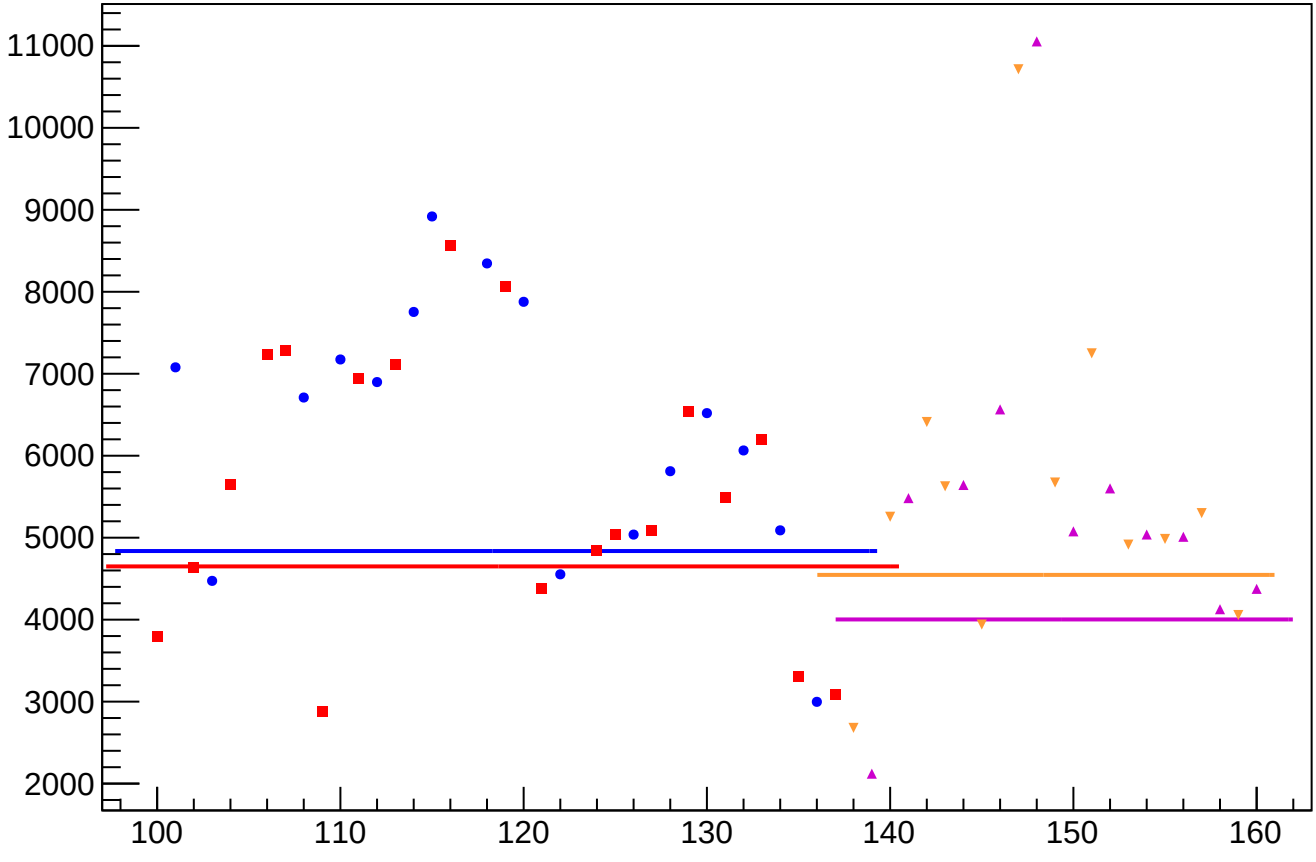
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.454+/-1.144 χ^2/NDF:24.7/26

Out: -1.022+/-1.196 χ^2/NDF:31.1/30

All: -0.251+/-0.826 χ^2/NDF: 56.6/57

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: 4002.518+/-1.008 χ^2/NDF:2862420.4/10

Left: 4246.448+/-0.749 χ^2/NDF: 4707573.8/22

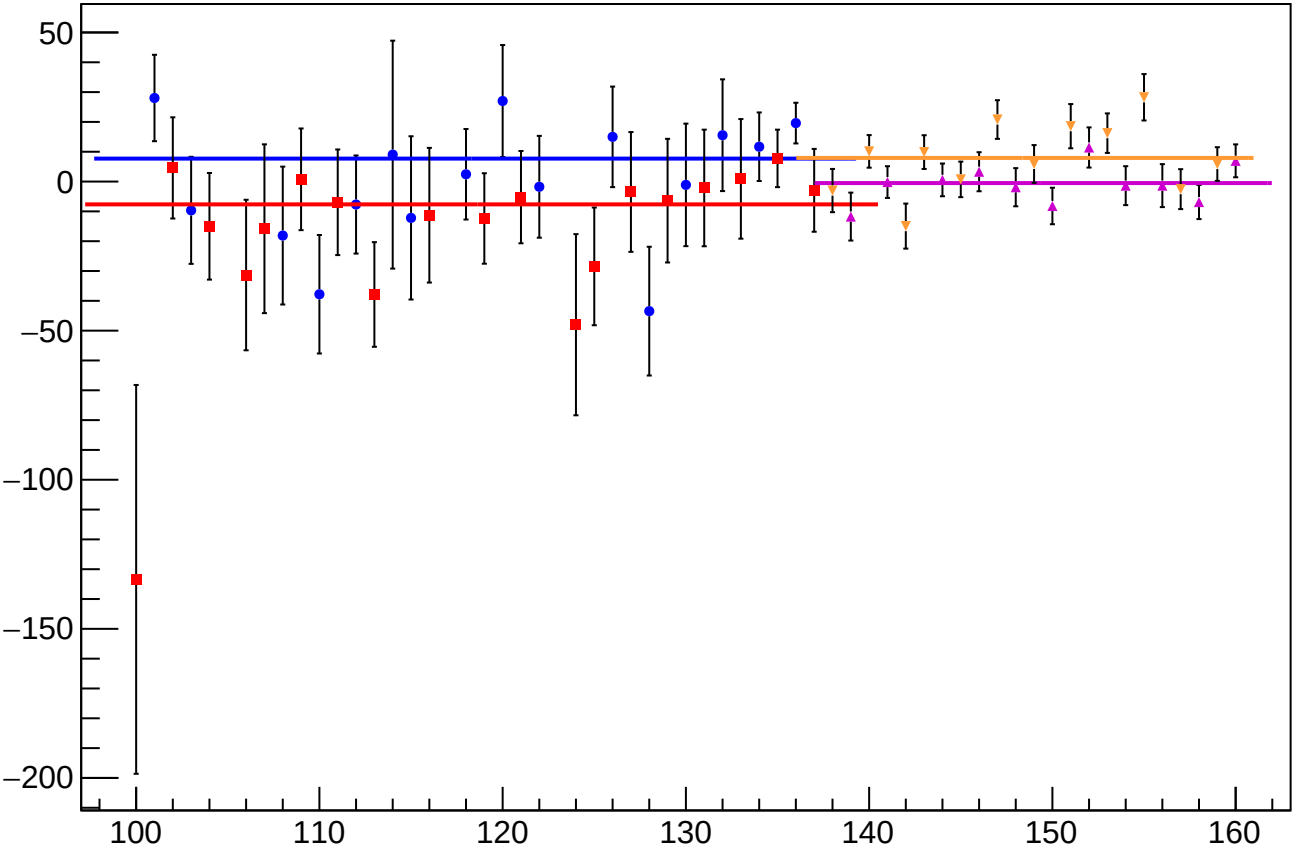
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4300.100+/-0.809 χ^2/NDF:4654500.6/26

Out: 4590.325+/-0.845 χ^2/NDF:3152969.8/30

All: 4438.805+/-0.584 χ^2/NDF: 7869006.6/57

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: -0.507+/-1.868 χ^2/NDF:10.2/10

Left: 3.729+/-1.318 χ^2/NDF: 50.7/22

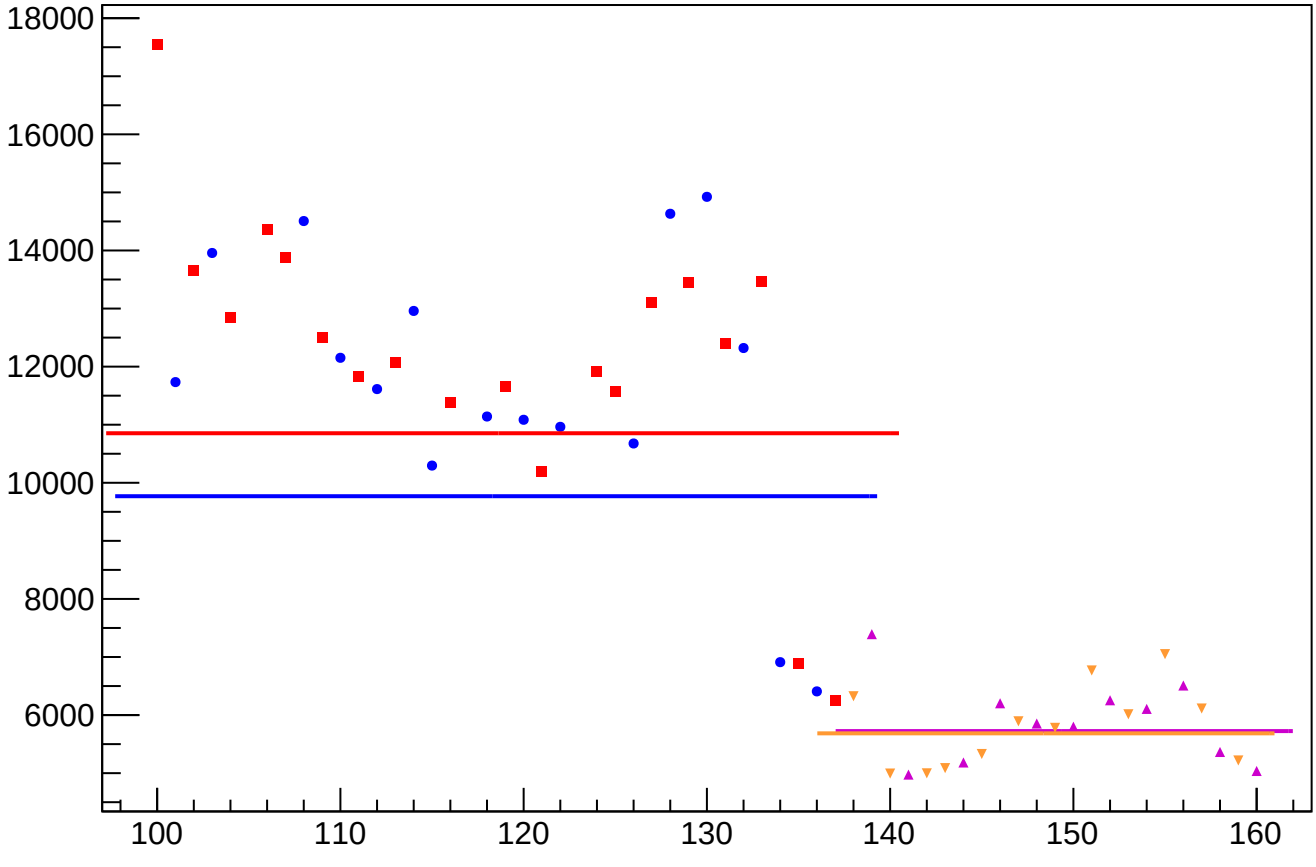
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.076+/-1.678 χ^2/NDF:35.5/26

Out: 5.268+/-1.693 χ^2/NDF:56.8/30

All: 3.153+/-1.192 χ^2/NDF: 95.4/57

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: 5724.351+/-1.321 χ^2/NDF:239082.8/10

Left: 5704.817+/-0.932 χ^2/NDF: 466569.1/22

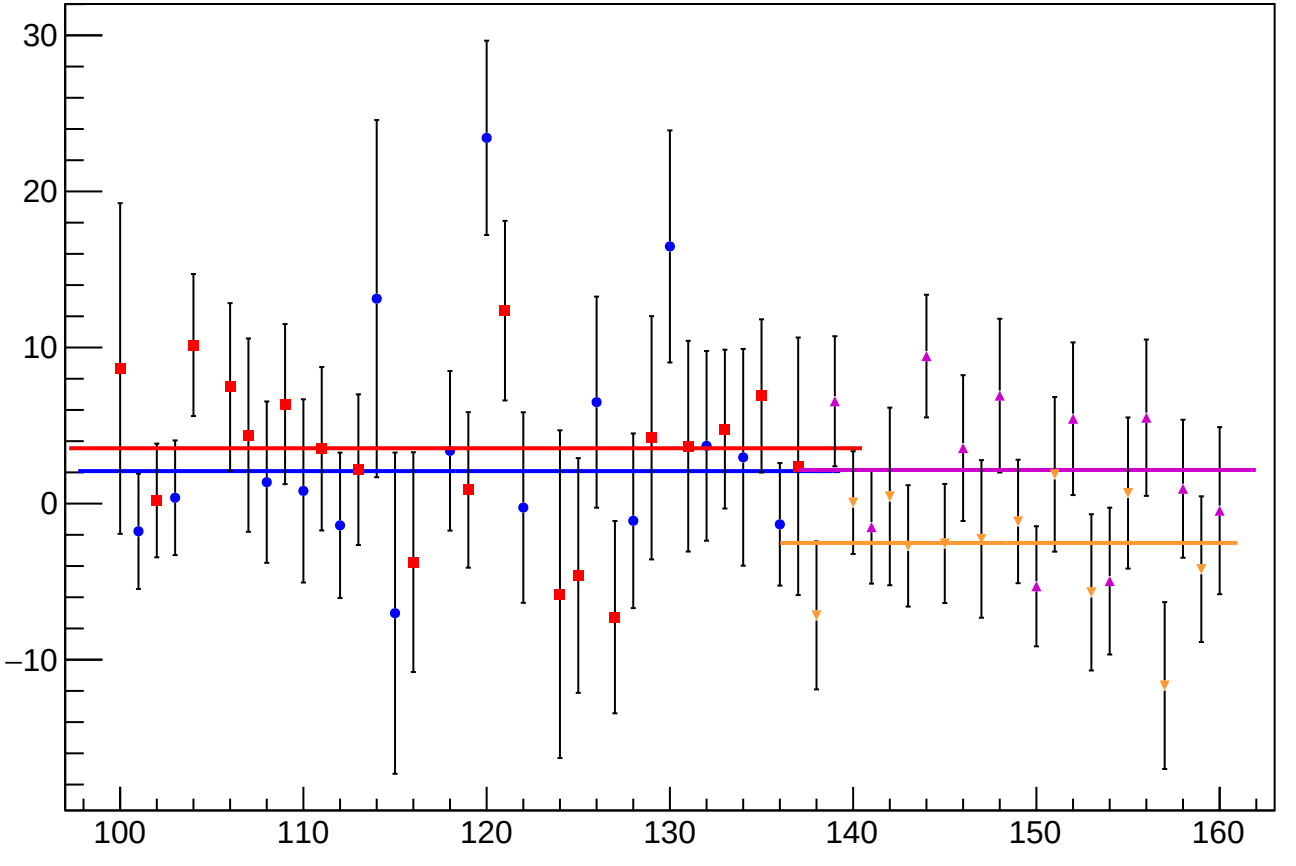
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6504.710+/-1.186 χ^2/NDF:3262326.2/26

Out: 6566.961+/-1.197 χ^2/NDF:3737668.6/30

All: 6535.555+/-0.843 χ^2/NDF: 7001359.0/57

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: 2.155+/-1.329 χ^2/NDF:13.9/10

Left: -0.270+/-0.922 χ^2/NDF: 26.9/22

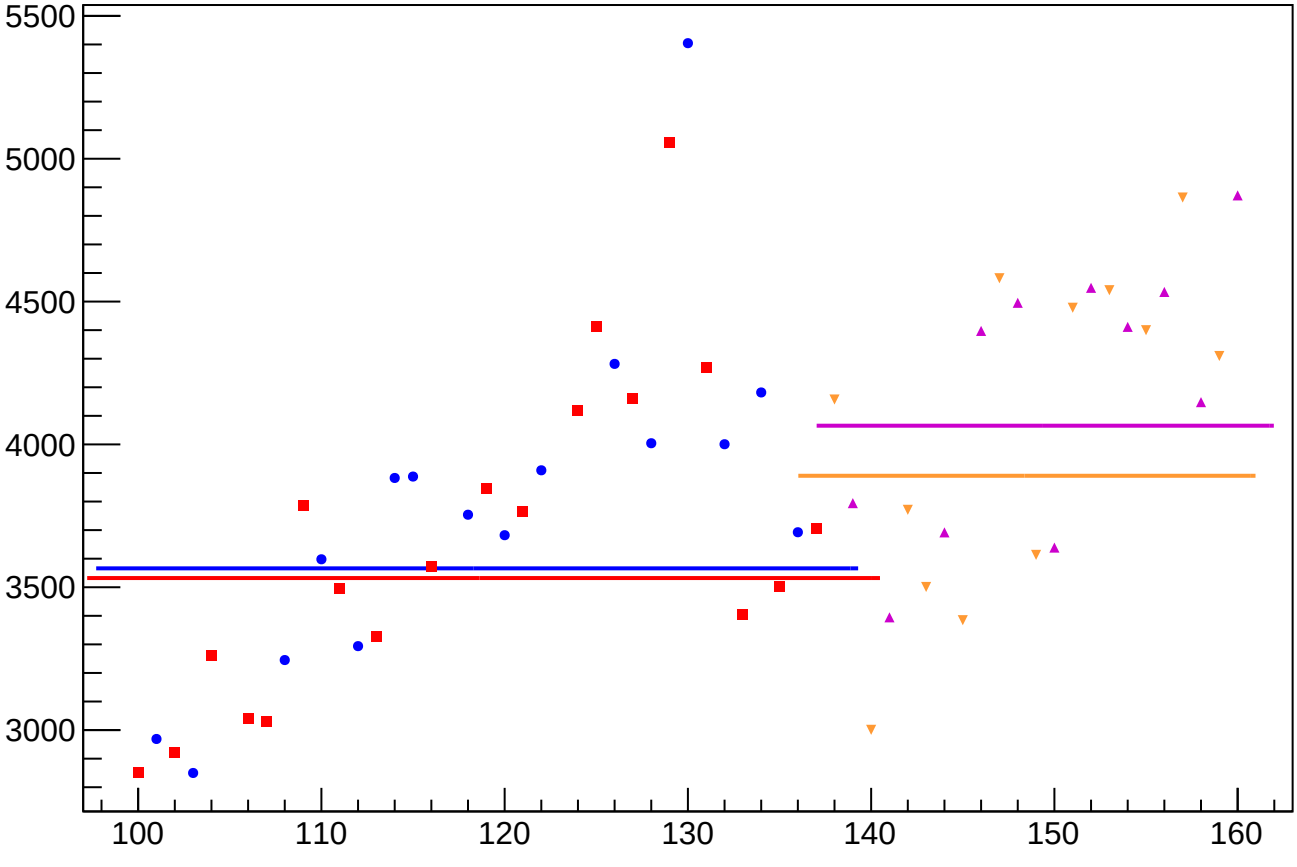
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.119+/-0.945 χ^2/NDF:34.8/26

Out: 0.457+/-0.914 χ^2/NDF:31.1/30

All: 1.260+/-0.657 χ^2/NDF: 67.5/57

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: 4065.490+/-0.940 χ^2/NDF:239038.9/10

Left: 3974.609+/-0.652 χ^2/NDF: 679370.7/22

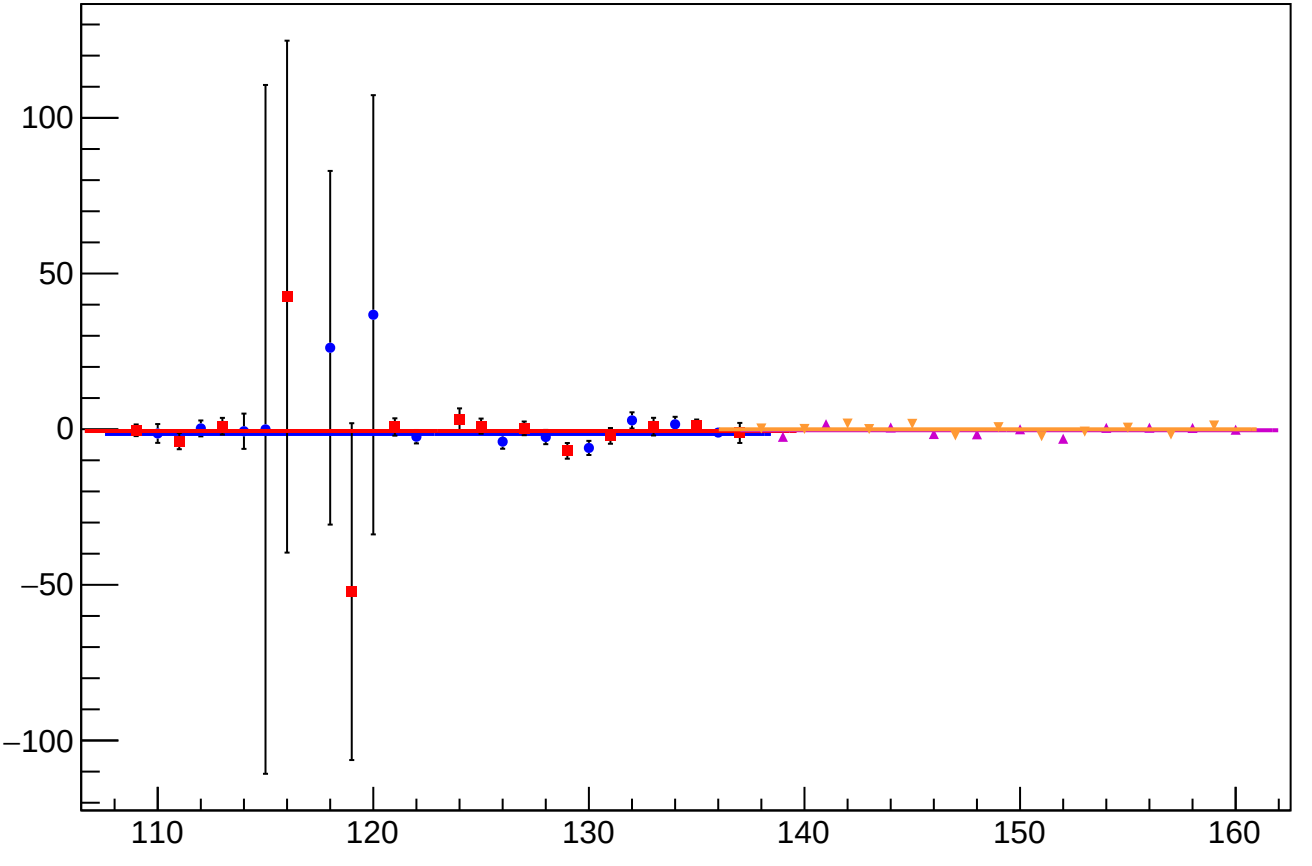
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3818.894+/-0.669 χ^2/NDF:719607.9/26

Out: 3714.493+/-0.646 χ^2/NDF:777735.2/30

All: 3764.913+/-0.465 χ^2/NDF: 1509953.7/57

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: -0.344+/-0.327 χ^2/NDF:18.0/10

Left: -0.194+/-0.232 χ^2/NDF: 33.4/22

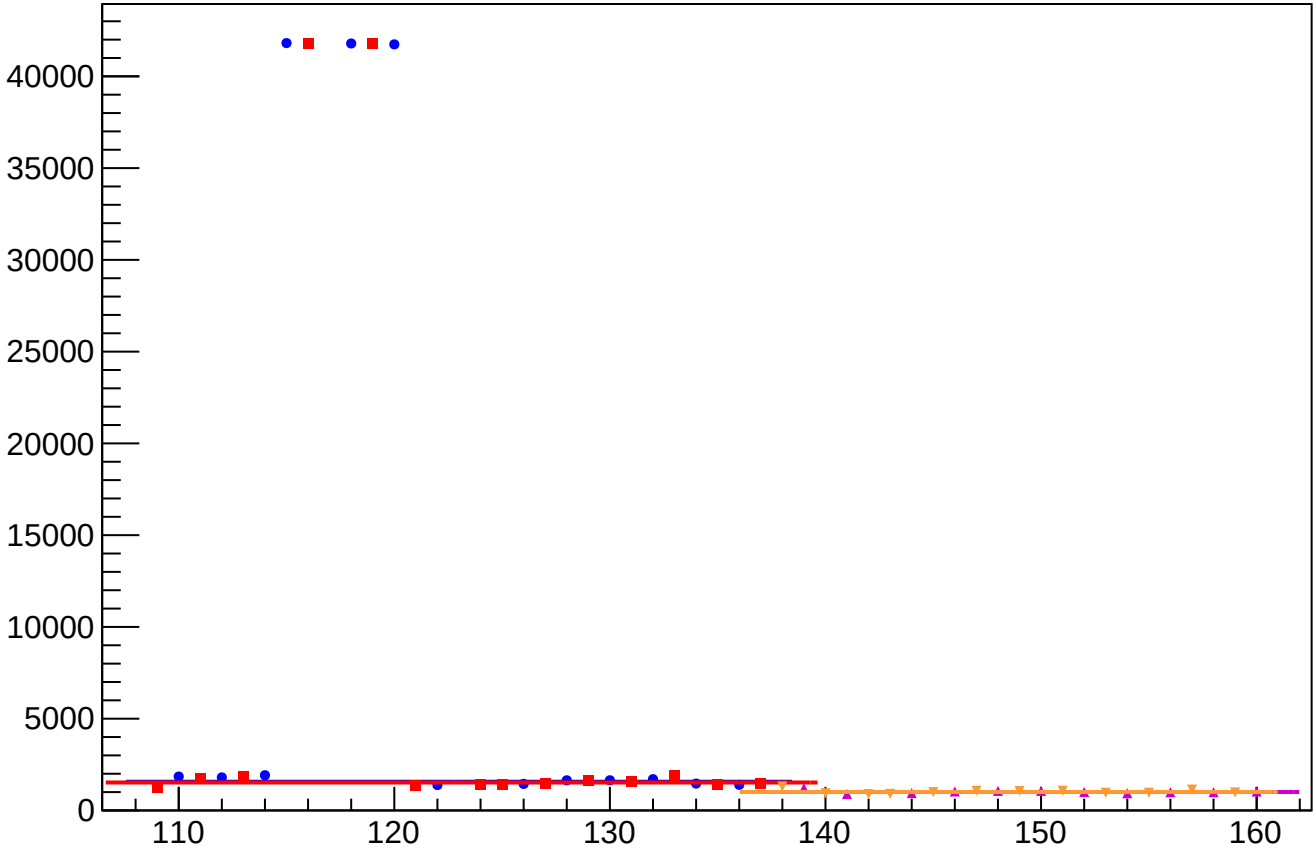
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.542+/-0.299 χ^2/NDF:31.3/23

Out: -0.137+/-0.299 χ^2/NDF:28.1/25

All: -0.340+/-0.211 χ^2/NDF: 60.3/49

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: 1005.254+/-0.231 χ^2/NDF:105397.1/10

Left: 1006.690+/-0.164 χ^2/NDF: 275354.0/22

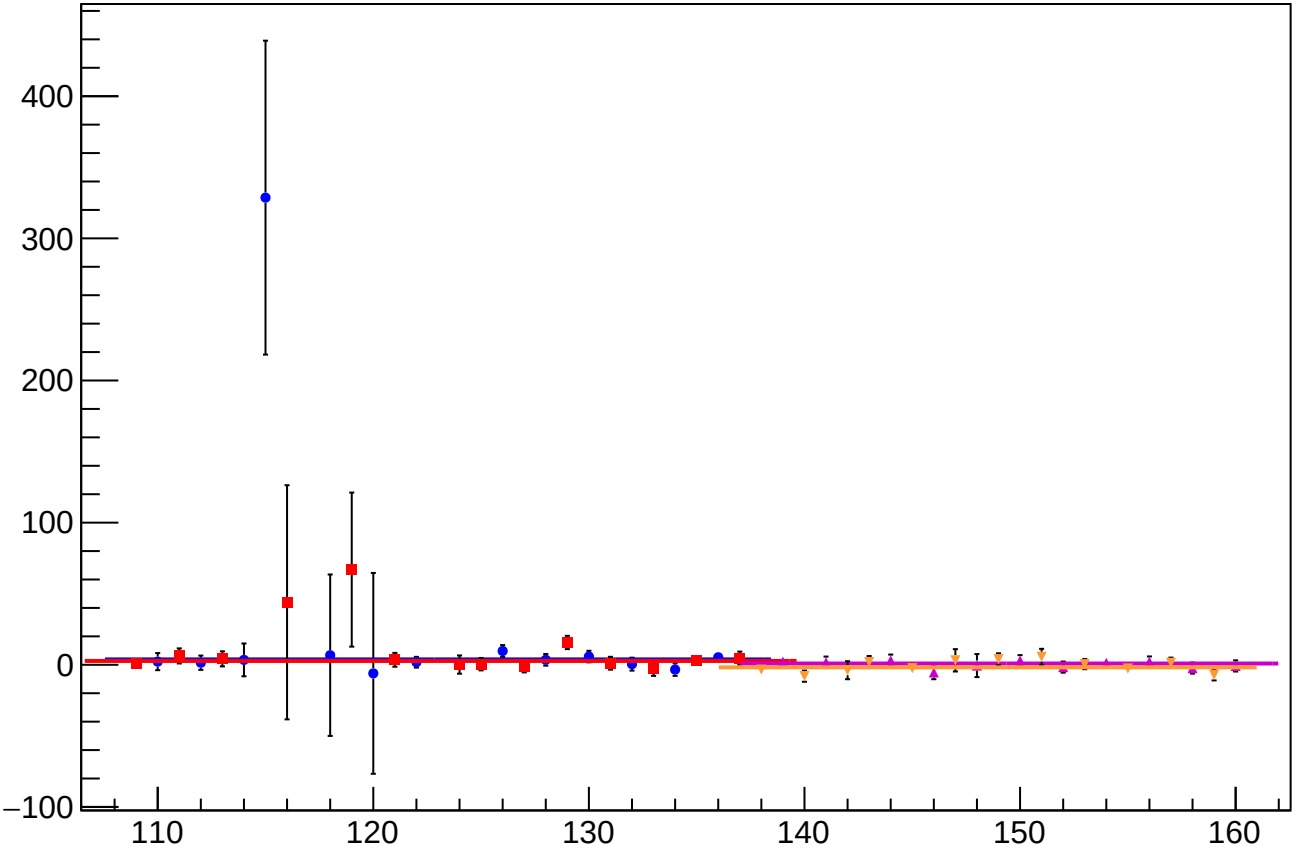
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1098.061+/-0.211 χ^2/NDF:3093411.2/23

Out: 1097.661+/-0.211 χ^2/NDF:2763739.4/25

All: 1097.861+/-0.149 χ^2/NDF: 5857152.4/49

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: 0.898+/-1.095 χ^2/NDF:4.3/10

Left: -0.472+/-0.768 χ^2/NDF: 18.3/22

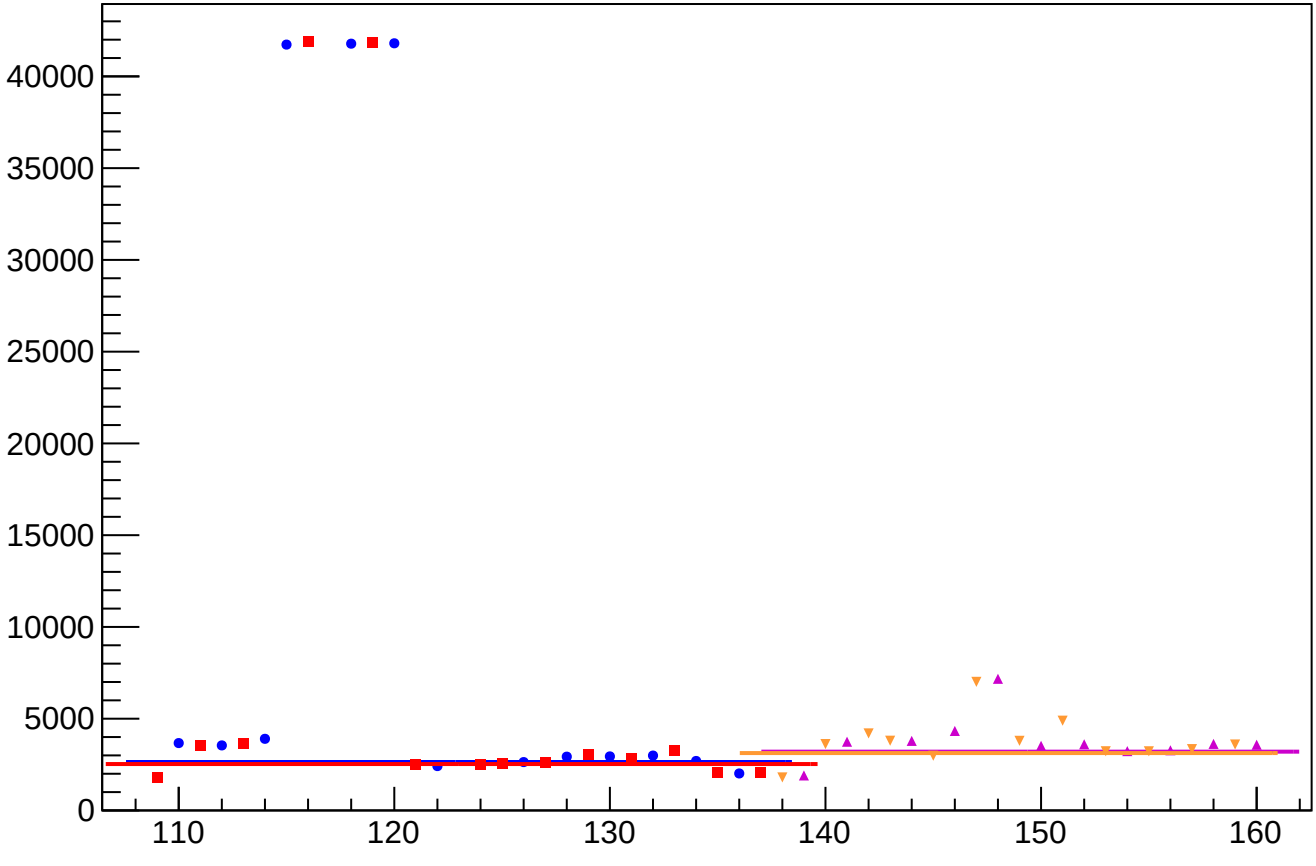
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.149+/-0.823 χ^2/NDF:22.5/23

Out: 0.194+/-0.805 χ^2/NDF:32.3/25

All: 1.150+/-0.576 χ^2/NDF: 57.7/49

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: 3204.006+/-0.774 χ^2/NDF:1502391.1/10

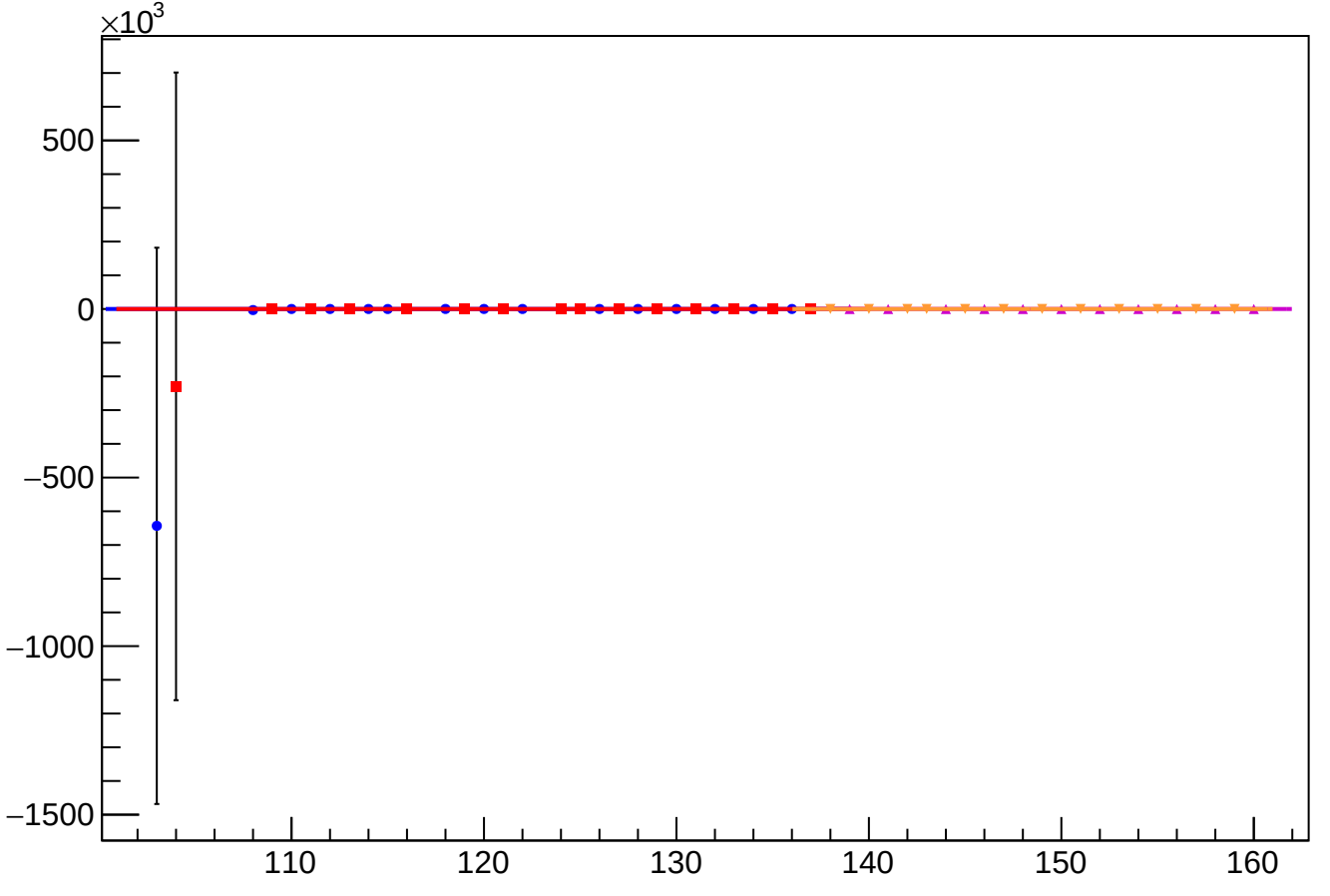
Left: 3164.984+/-0.543 χ^2/NDF: 3223725.2/22

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2958.772+/-0.582 χ^2/NDF:3906596.7/23

Out: 2862.769+/-0.569 χ^2/NDF:3938545.6/25

All: 2909.708+/-0.407 χ^2/NDF: 7859047.2/49



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: 0.042+/-0.516 χ^2/NDF:14.0/10

Left: -0.903+/-0.364 χ^2/NDF: 44.9/22

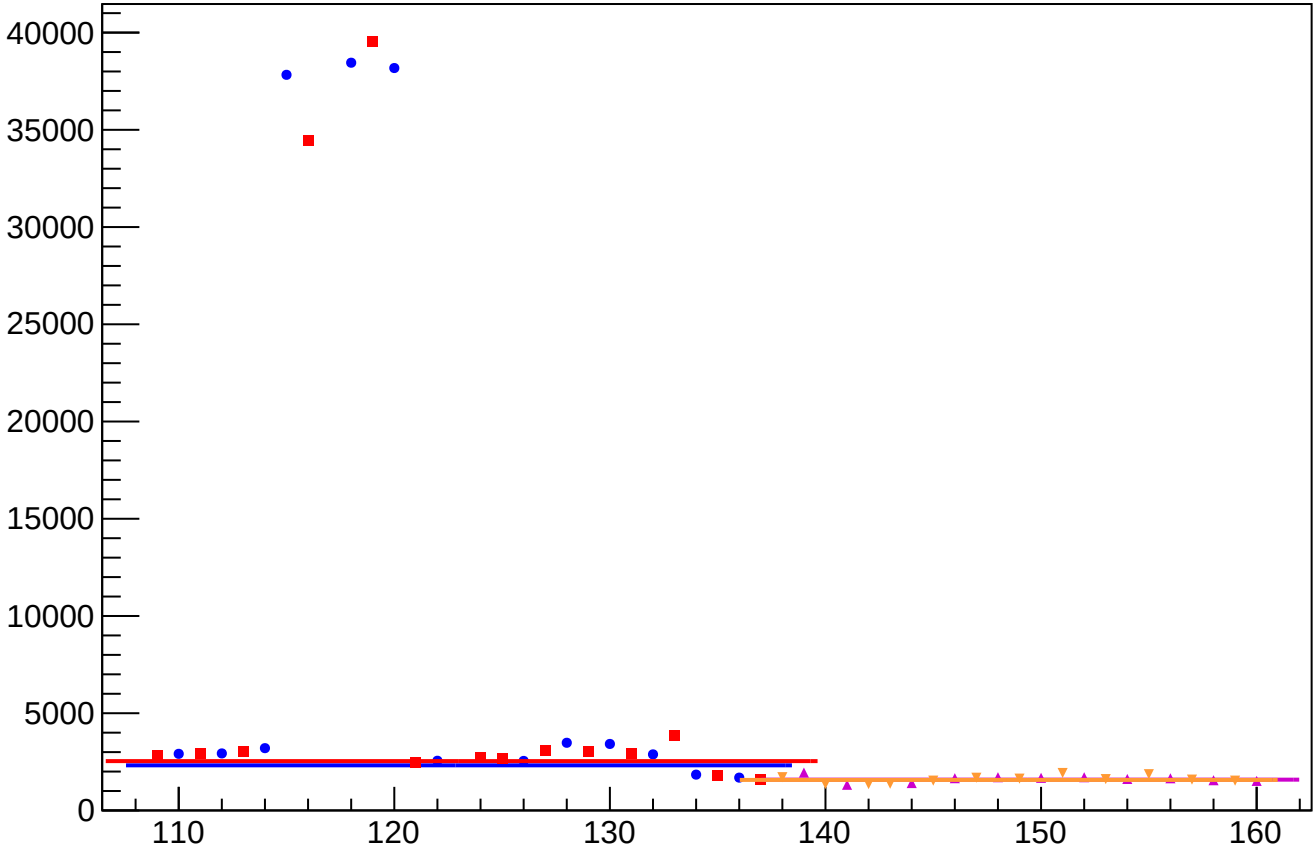
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.177+/-0.469 χ^2/NDF:33.8/25

Out: -1.150+/-0.472 χ^2/NDF:50.5/26

All: -0.660+/-0.333 χ^2/NDF: 86.3/52

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: 1583.816+/-0.365 χ^2/NDF:190520.5/10

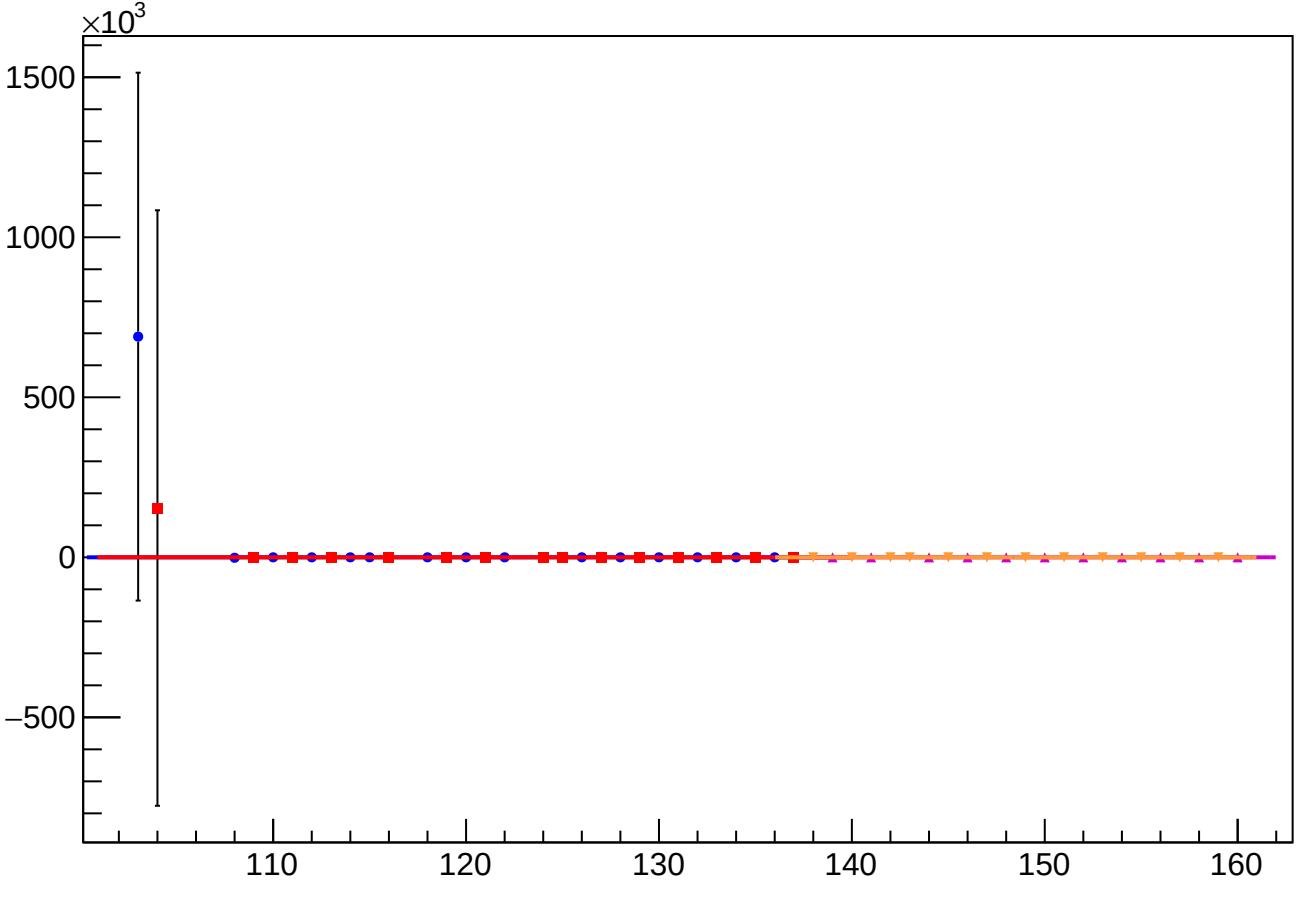
Left: 1576.955+/-0.257 χ^2/NDF: 408666.4/22

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1711.953+/-0.332 χ^2/NDF:3359942.1/23

Out: 1717.247+/-0.334 χ^2/NDF:3337715.7/25

All: 1714.584+/-0.235 χ^2/NDF: 6697784.2/49



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: -0.067+/-0.661 χ^2/NDF:4.0/10

Left: -0.404+/-0.479 χ^2/NDF: 20.7/22

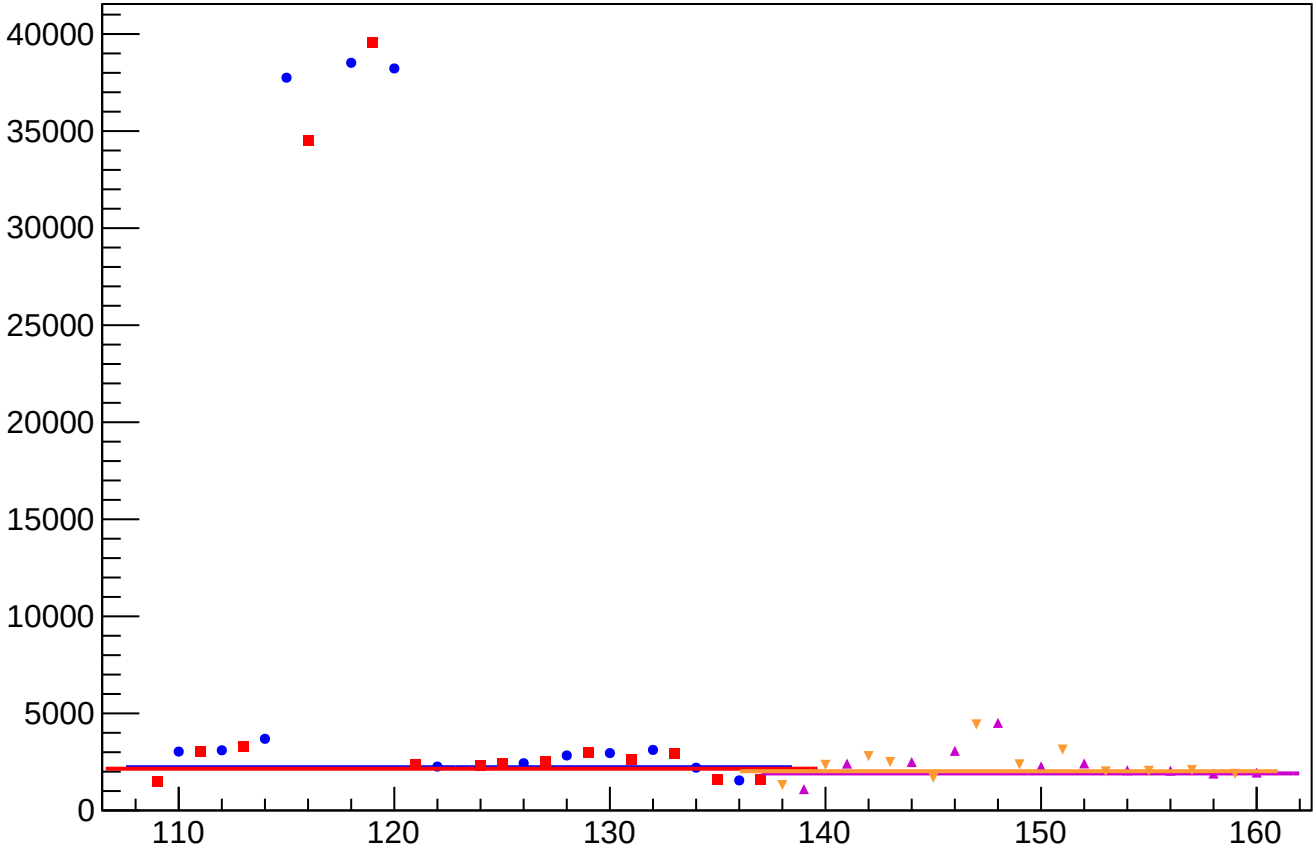
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.419+/-0.563 χ^2/NDF:11.0/25

Out: 0.034+/-0.580 χ^2/NDF:35.9/26

All: 0.233+/-0.404 χ^2/NDF: 47.1/52

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: 1906.957+/-0.467 χ^2/NDF:1993160.3/10

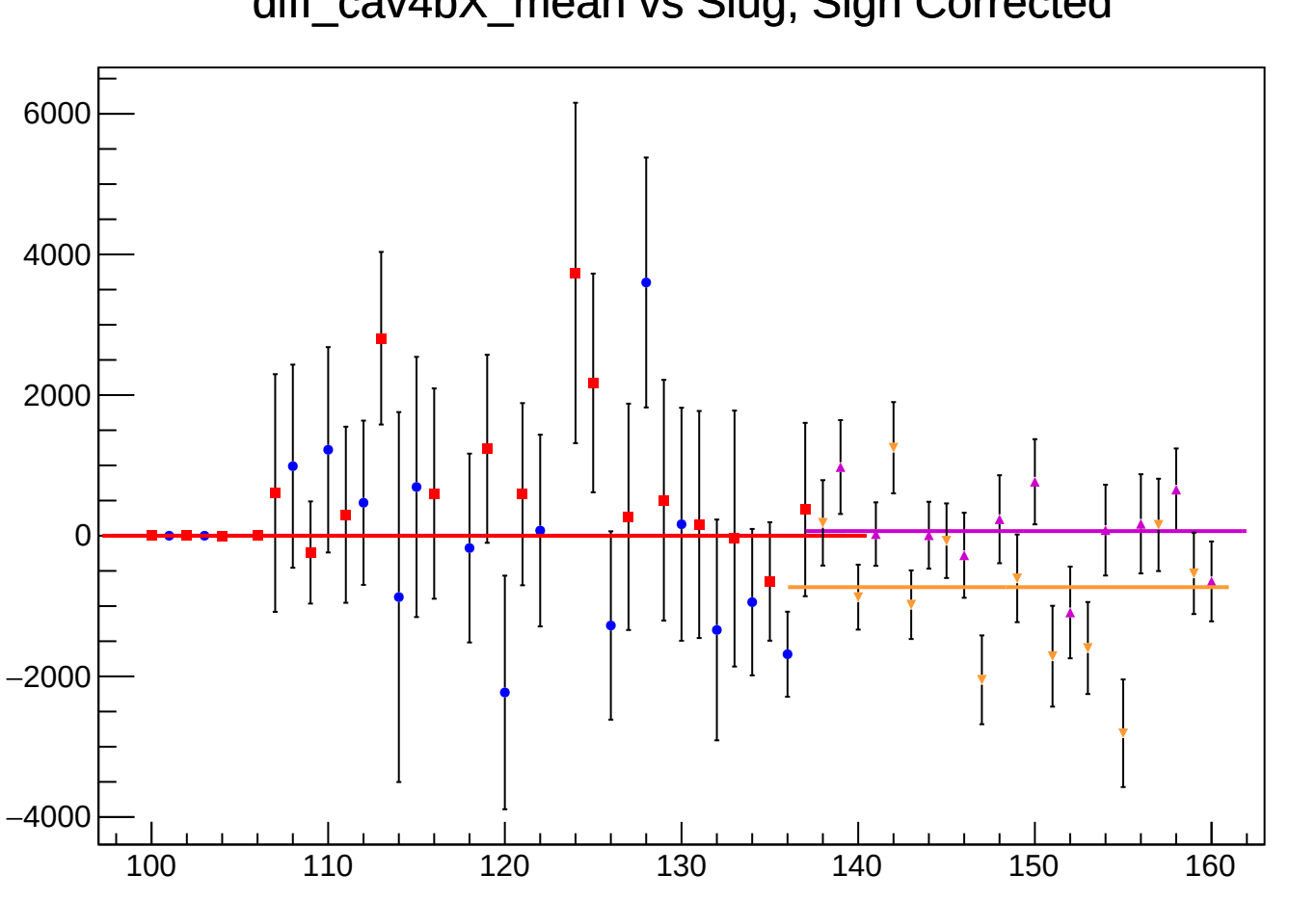
Left: 1961.381+/-0.339 χ^2/NDF: 3340898.9/22

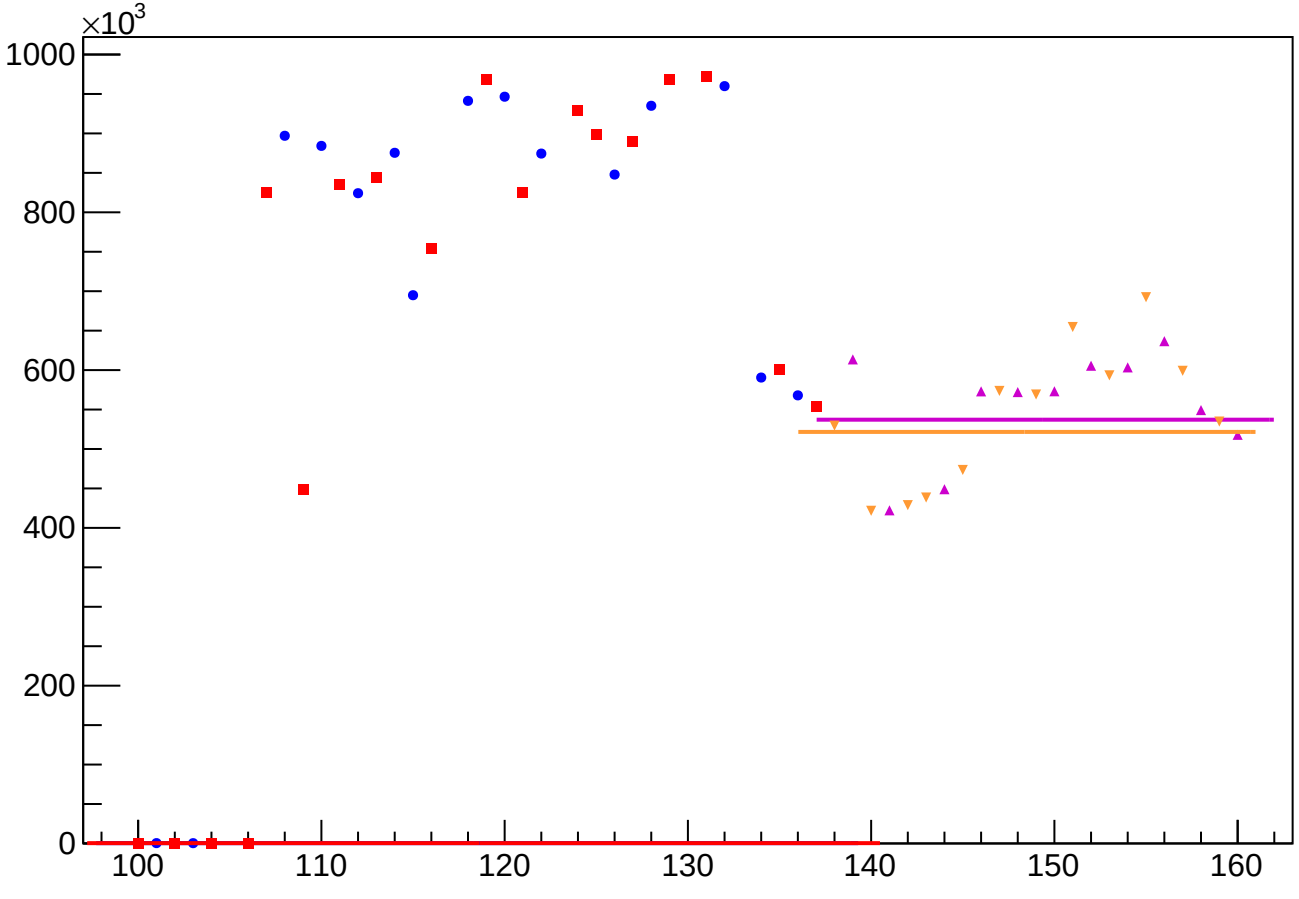
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1994.606+/-0.398 χ^2/NDF:4643782.9/23

Out: 2060.889+/-0.410 χ^2/NDF:3571540.4/25

All: 2026.782+/-0.286 χ^2/NDF: 8228763.8/49


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -731.146+/-171.694 χ²/NDF:30.9/11
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 66.007+/-175.735 χ²/NDF:9.4/10
Left: -341.841+/-122.810 χ²/NDF: 50.8/22
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:27.3/26
Out: -0.099+/-0.328 χ²/NDF:64.4/30
All: 0.064+/-0.241 χ²/NDF: 92.2/57



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: 537136.917+/-124.264 χ^2/NDF:331085.3/10

Left: 529212.696+/-86.840 χ^2/NDF: 795284.6/22

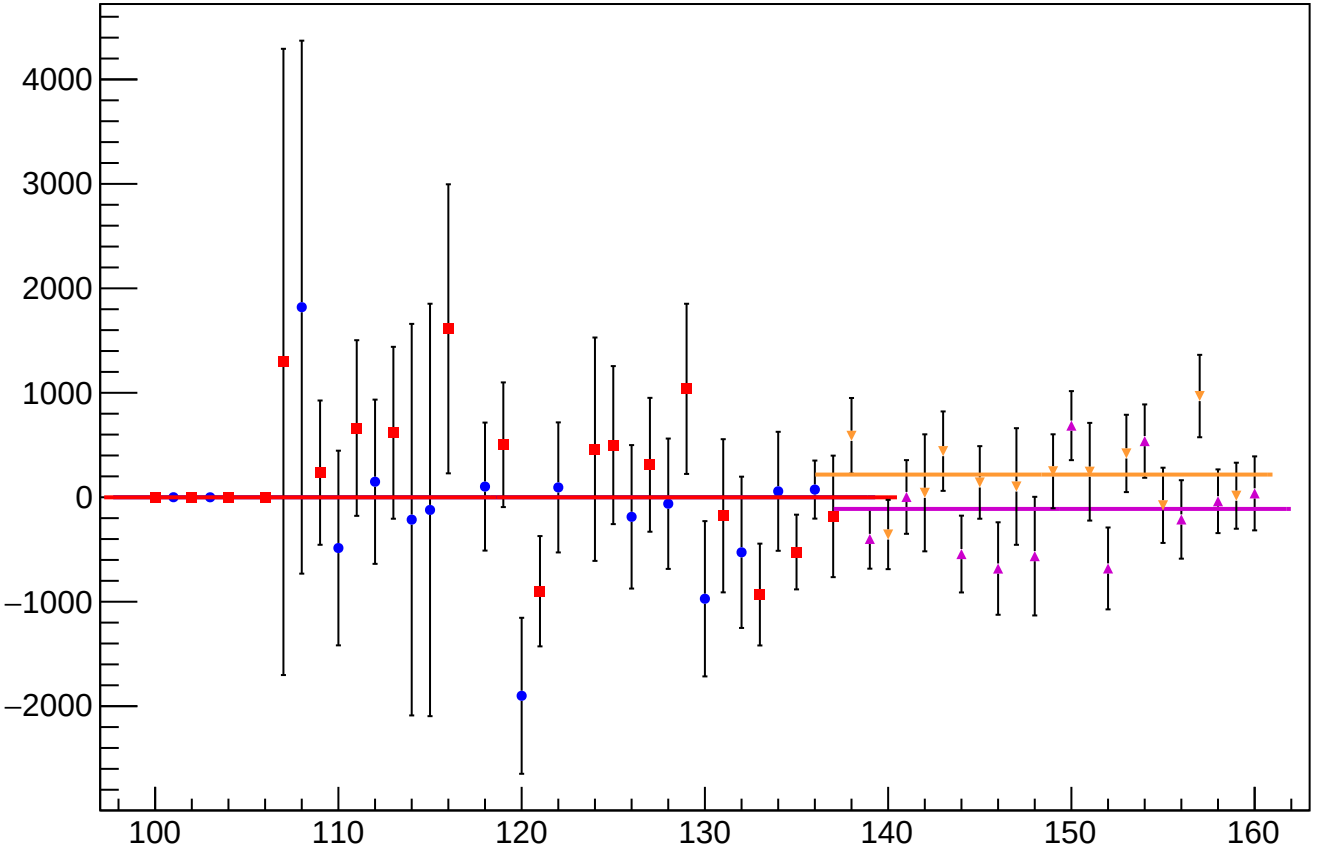
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.079+/-0.251 χ^2/NDF:27479625.5/25

Out: 395.140+/-0.232 χ^2/NDF:26538832.1/29

All: 397.868+/-0.170 χ^2/NDF: 54018759.2/55

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: -111.634+/-108.118 χ^2/NDF:16.5/10

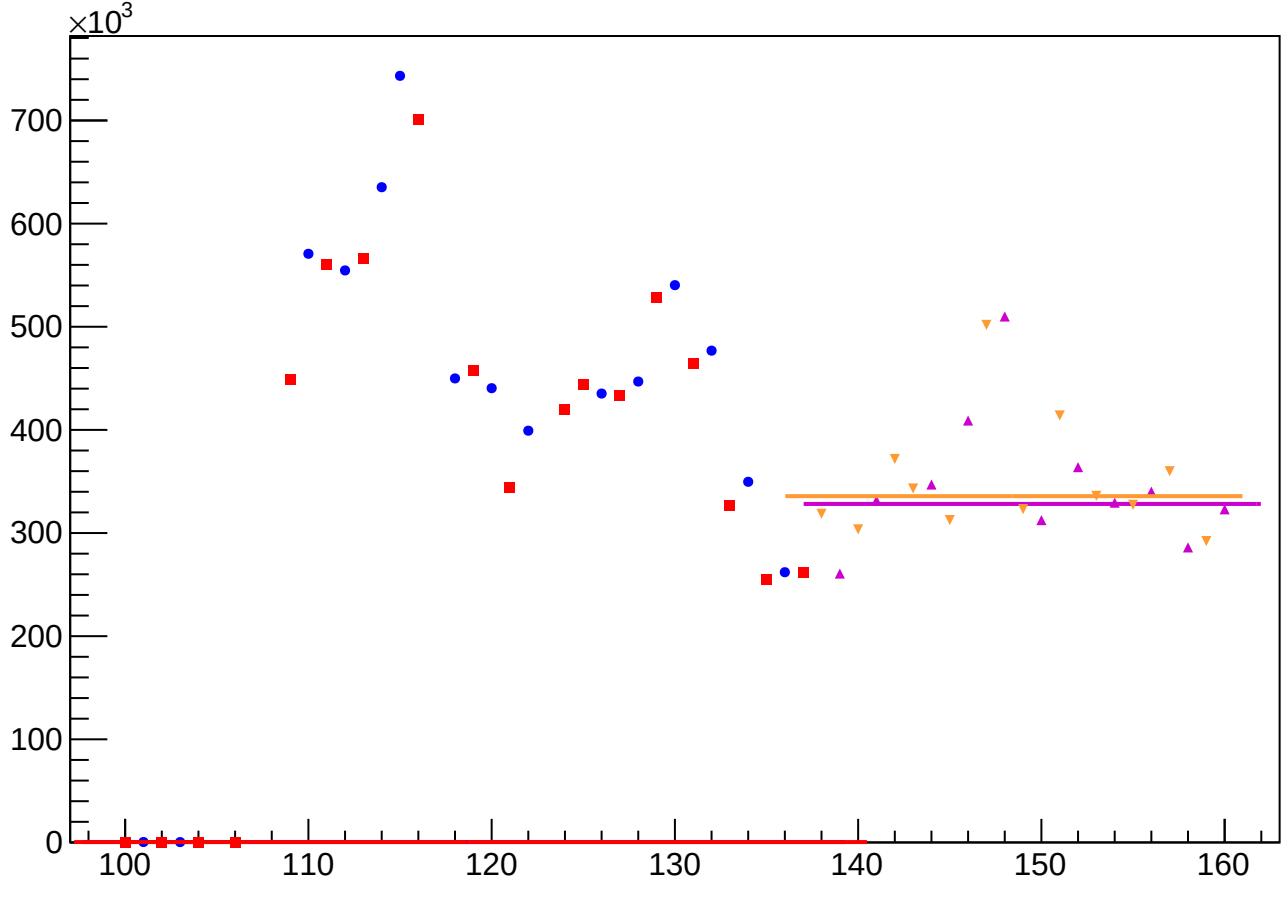
Left: 49.598+/-77.187 χ^2/NDF: 30.6/22

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:28.0/26

Out: -0.597+/-0.324 χ^2/NDF:28.5/30

All: -0.329+/-0.237 χ^2/NDF: 58.0/57



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: 328207.831+/-76.458 χ^2/NDF:450809.5/10

Left: 331905.165+/-54.582 χ^2/NDF: 778875.6/22

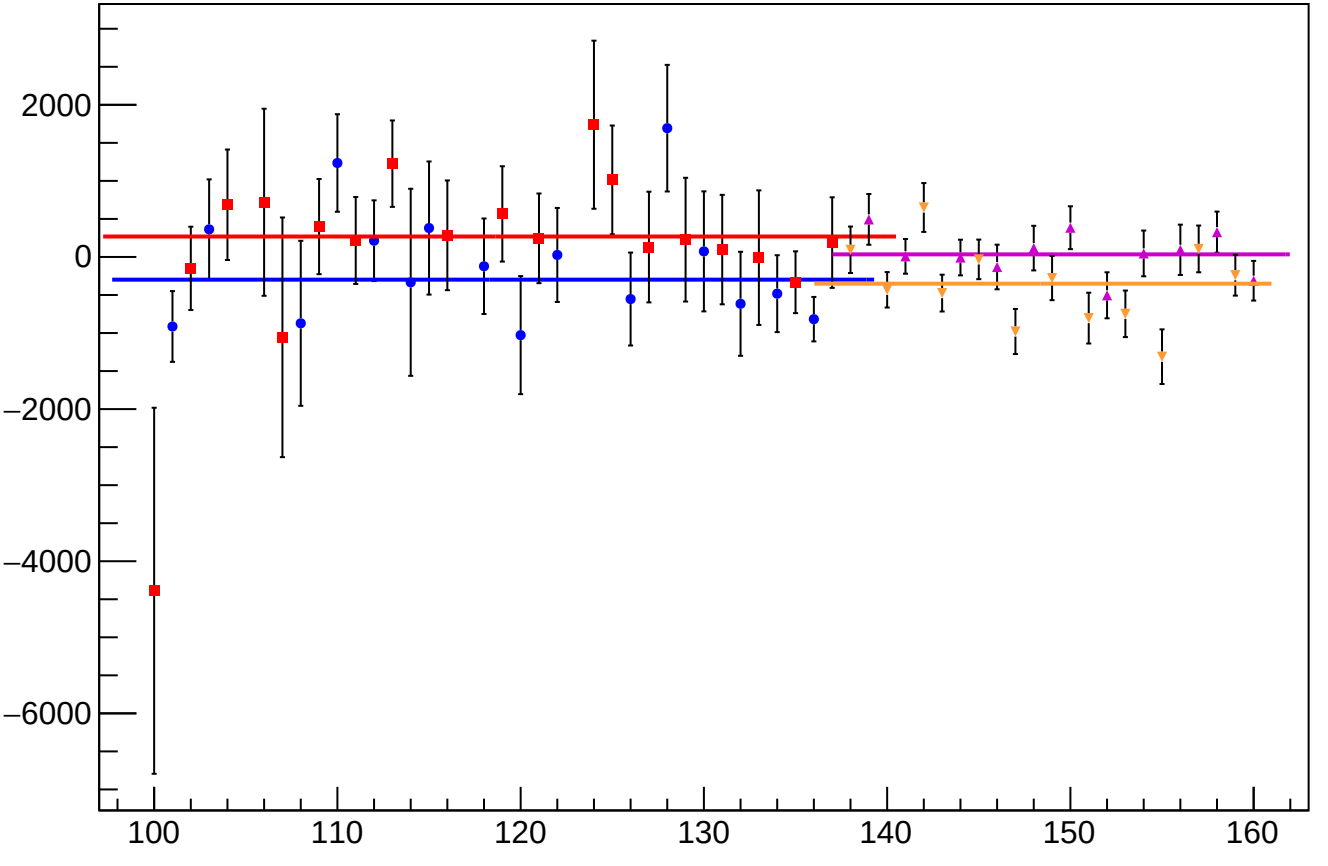
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 393.654+/-0.245 χ^2/NDF:29965866.8/25

Out: 390.878+/-0.229 χ^2/NDF:29909529.3/29

All: 392.170+/-0.167 χ^2/NDF: 59875464.5/55

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -351.297+/-82.810 χ^2/NDF:31.3/11

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 34.249+/-83.998 χ^2/NDF:10.0/10

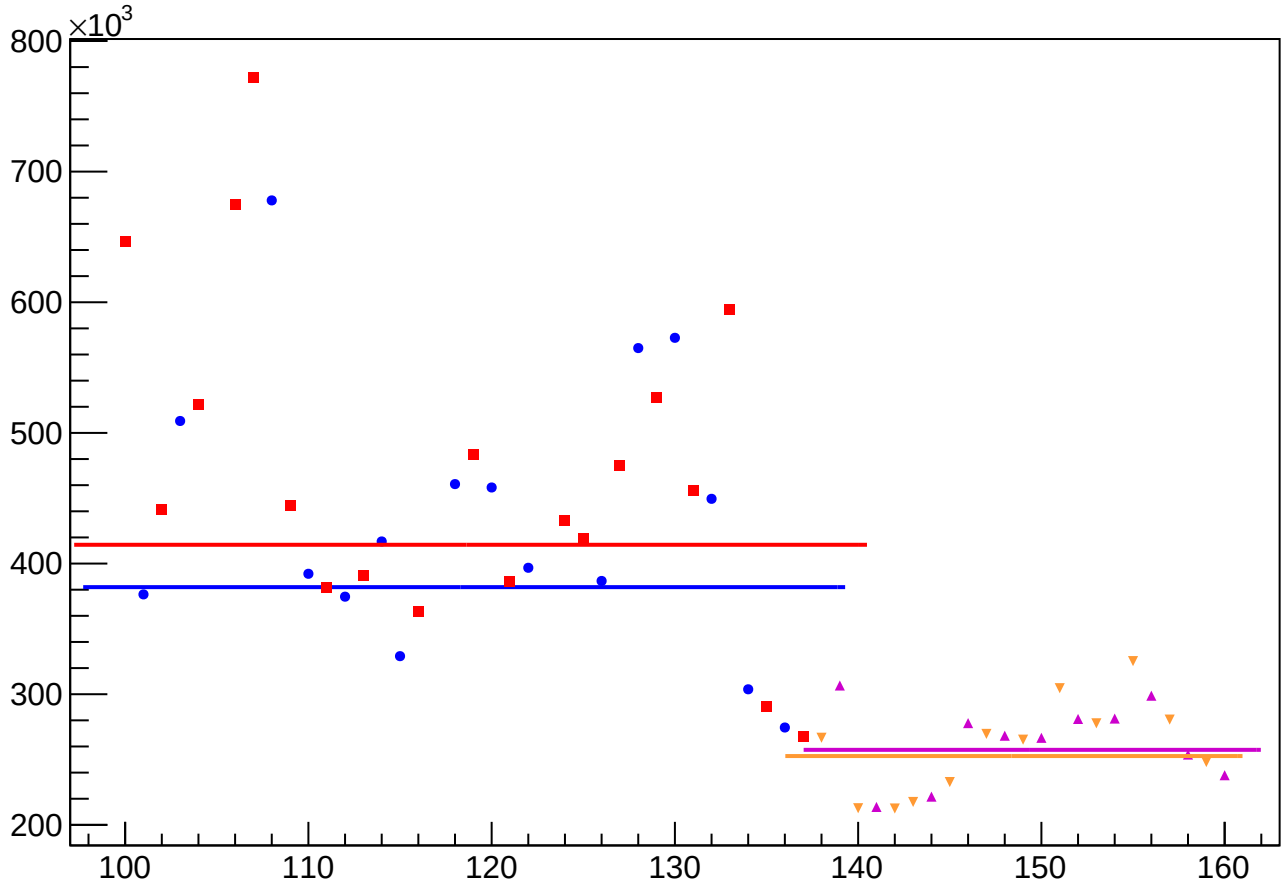
Left: -161.270+/-58.971 χ^2/NDF: 52.0/22

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -47.290+/-72.976 χ^2/NDF:35.0/26

Out: -215.747+/-73.203 χ^2/NDF:57.5/30

All: -131.256+/-51.682 χ^2/NDF: 95.2/57



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: 257428.978+/-59.396 χ^2/NDF:245875.5/10

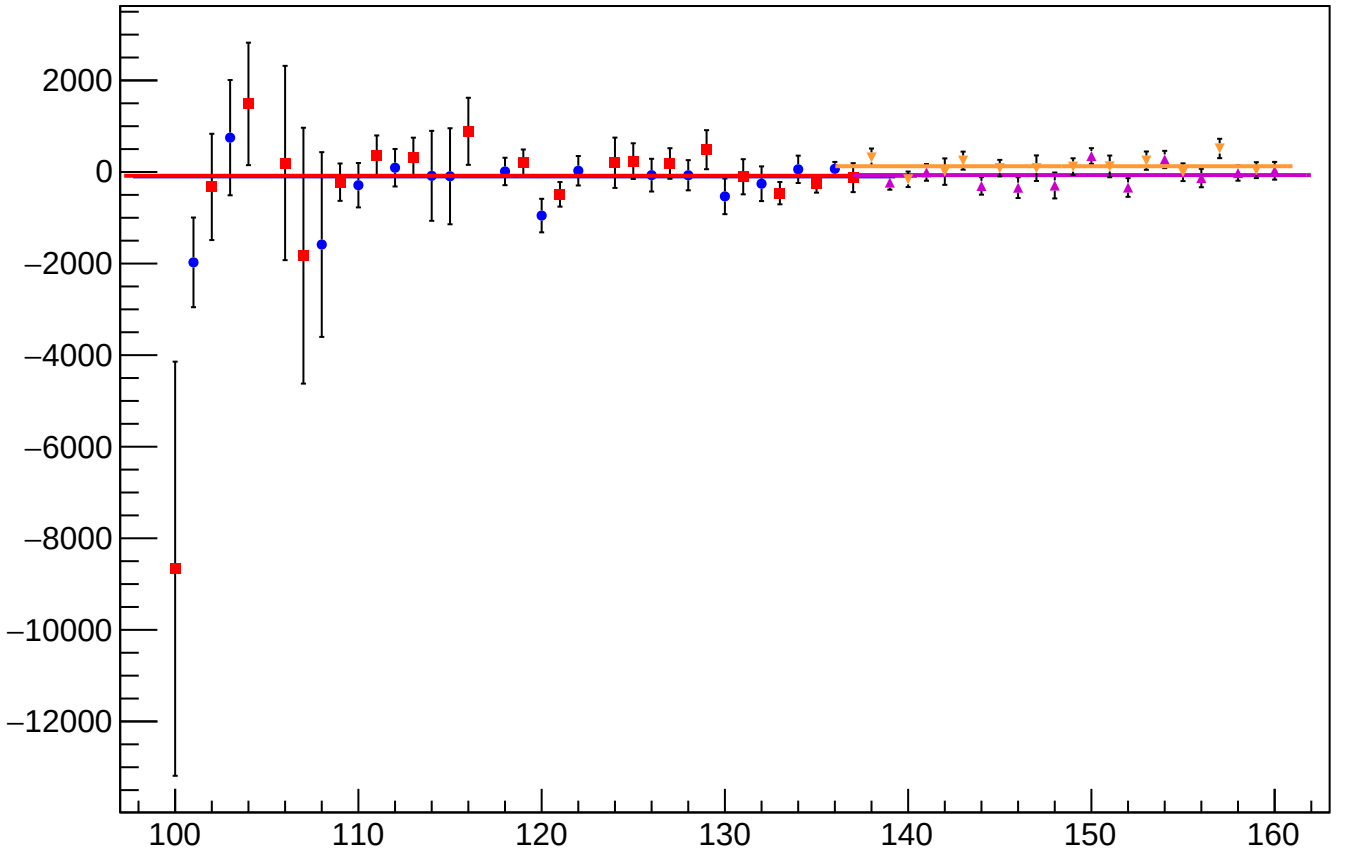
Left: 255015.878+/-41.699 χ^2/NDF: 568238.3/22

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 287958.348+/-51.604 χ^2/NDF:2159994.4/26

Out: 287999.800+/-51.765 χ^2/NDF:2745394.1/30

All: 287979.010+/-36.546 χ^2/NDF: 4905388.



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: -67.606+/-57.320 χ^2/NDF:16.2/10

Left: 27.988+/-40.763 χ^2/NDF: 30.6/22

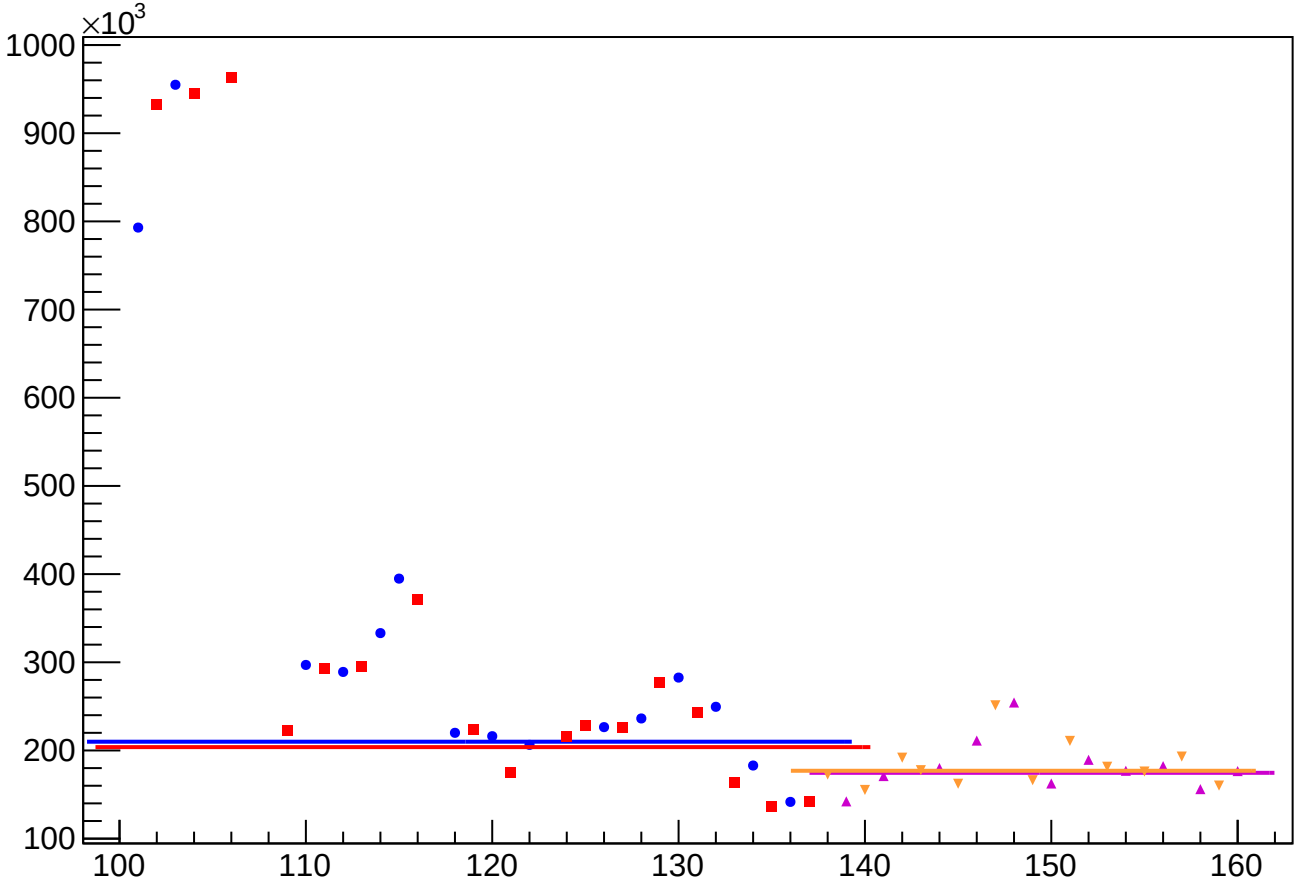
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -75.984+/-48.073 χ^2/NDF:29.9/26

Out: 61.981+/-48.302 χ^2/NDF:31.9/30

All: -7.329+/-34.073 χ^2/NDF: 65.9/57

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: 174649.031+/-40.531 χ^2/NDF:348440.1/10

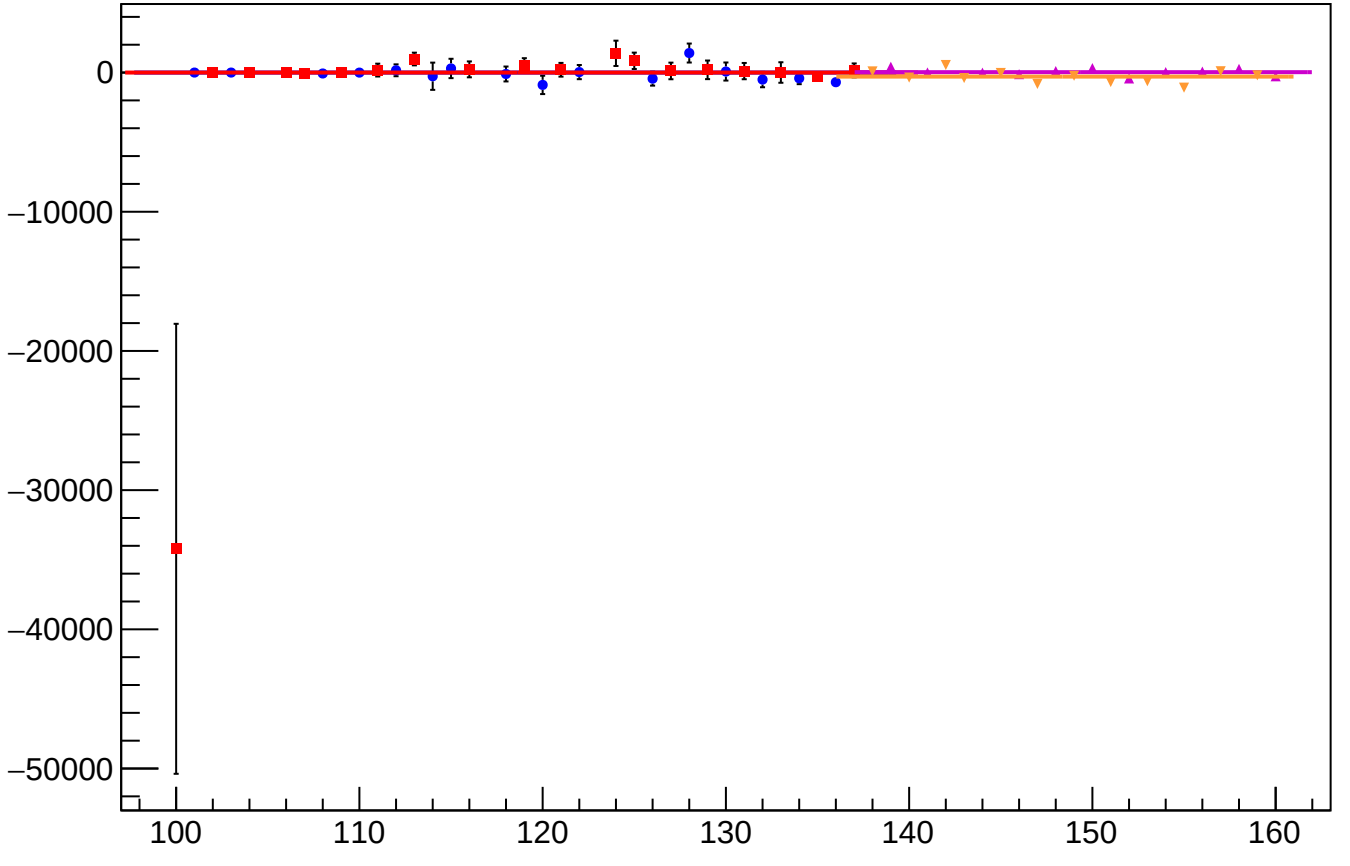
Left: 175799.109+/-28.824 χ^2/NDF: 623236.4/22

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185088.353+/-34.010 χ^2/NDF:2532529.7/25

Out: 185154.226+/-34.180 χ^2/NDF:2474123.8/28

All: 185121.125+/-24.109 χ^2/NDF: 5006655.



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: 28.588+/-70.319 χ^2/NDF:10.0/10

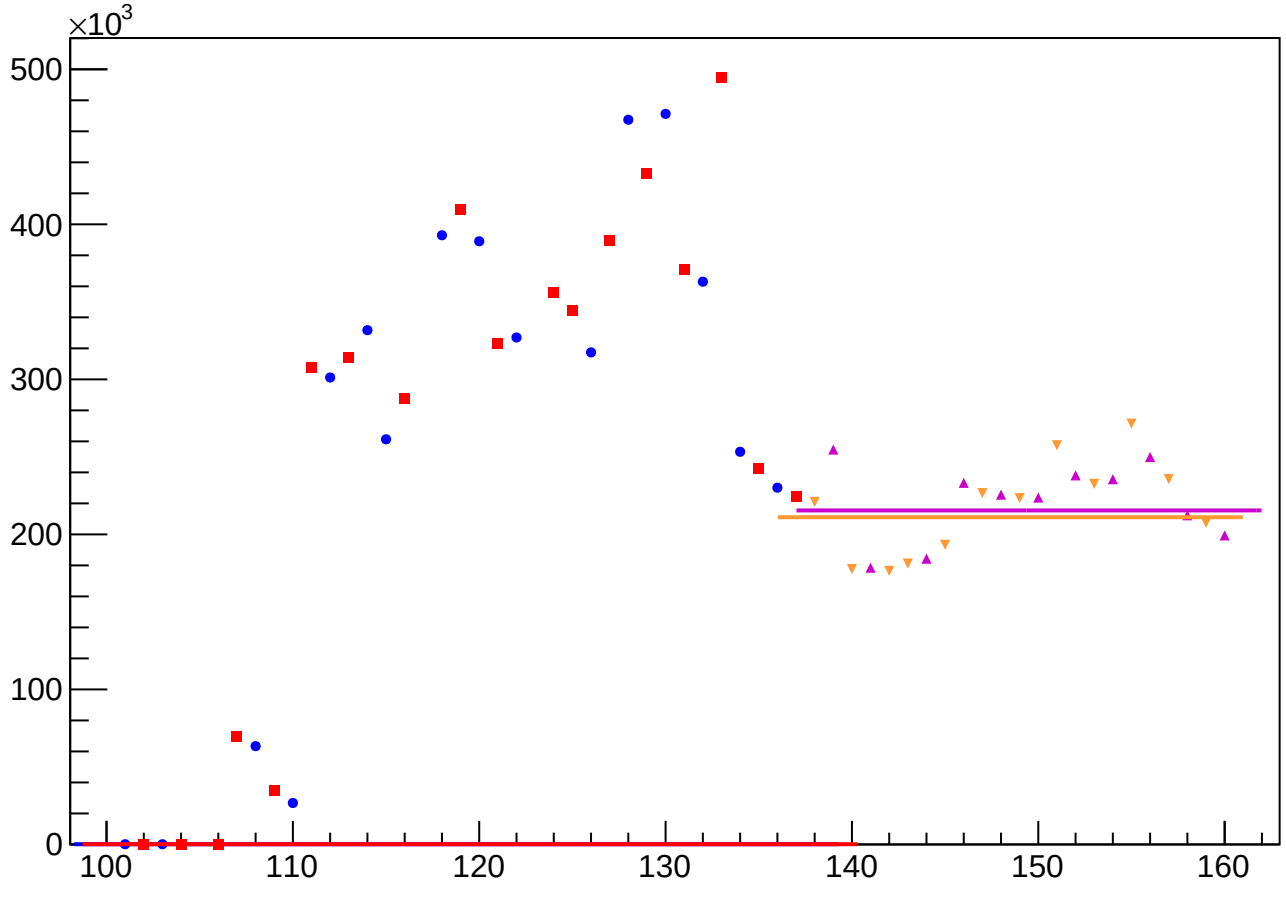
Left: -133.429+/-49.328 χ^2/NDF: 51.8/22

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:28.3/26

Out: 0.354+/-0.160 χ^2/NDF:65.5/30

All: 0.173+/-0.117 χ^2/NDF: 96.5/57



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: 215462.929+/-49.723 χ^2/NDF:253267.8/10

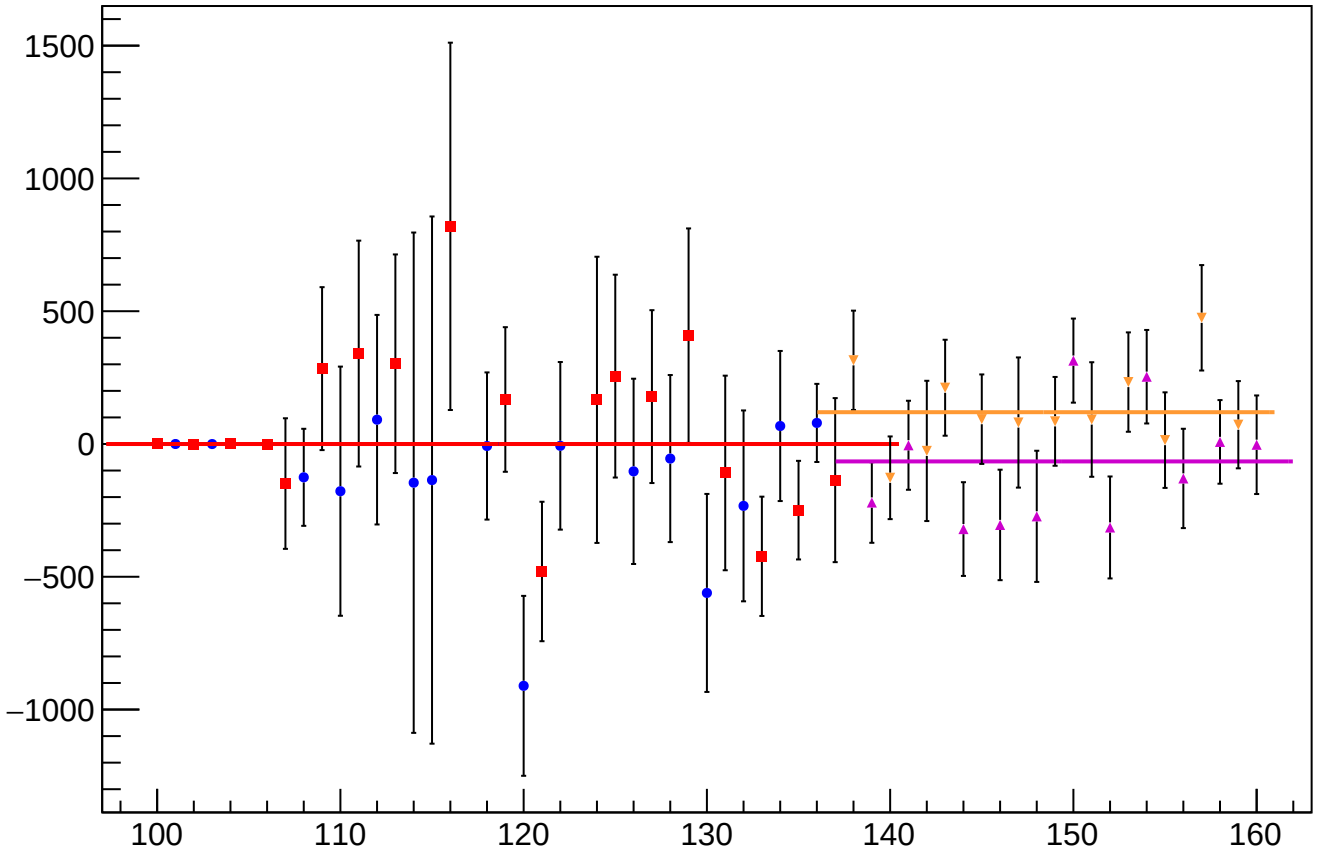
Left: 213236.424+/-34.880 χ^2/NDF: 591736.0/22

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.384+/-0.122 χ^2/NDF:30306180.4/26

Out: 150.508+/-0.113 χ^2/NDF:30197538.2/29

All: 150.450+/-0.083 χ^2/NDF: 60503719.1/56



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: -65.676+/-53.616 χ^2/NDF:16.4/10

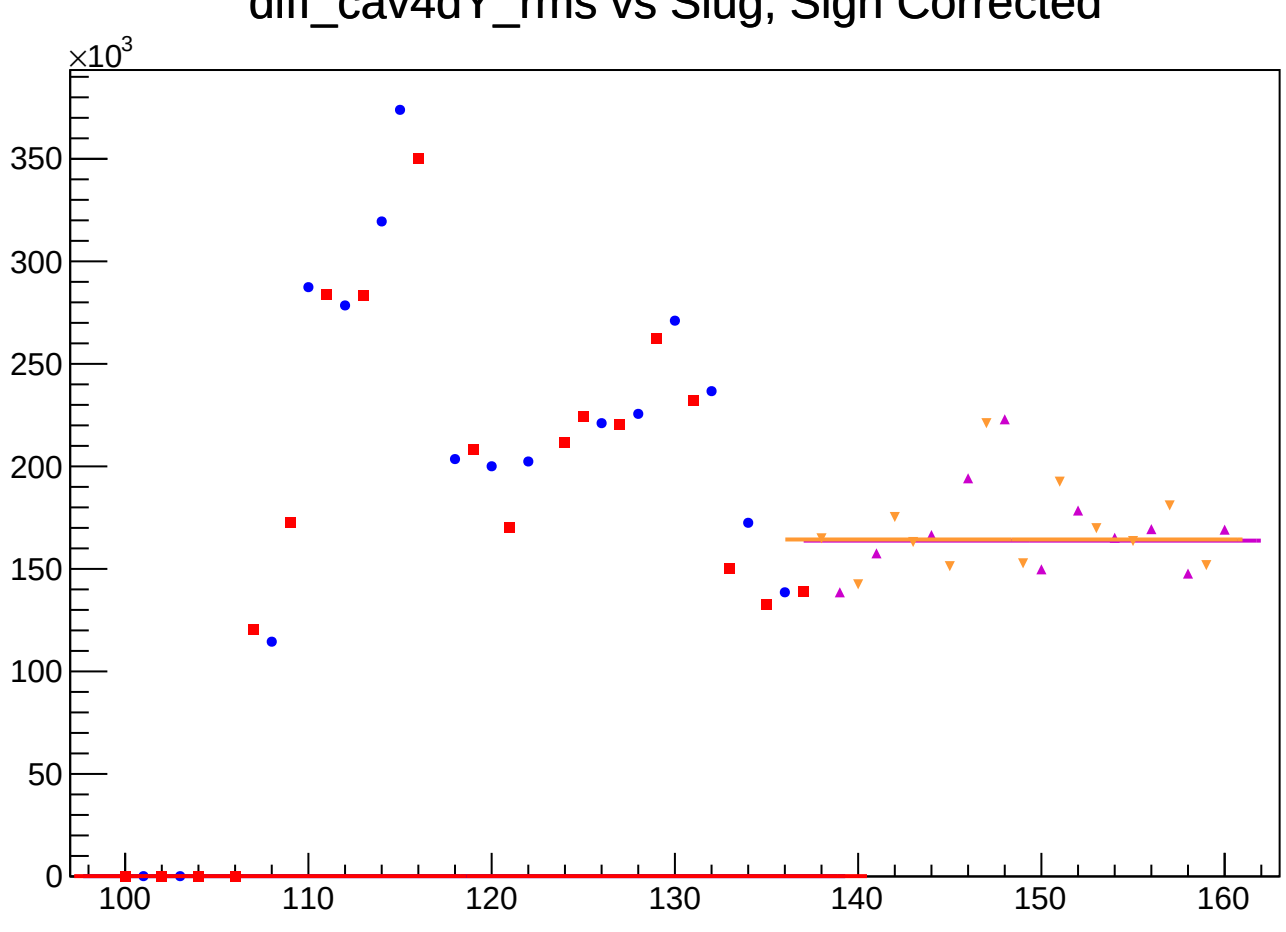
Left: 26.750+/-37.967 χ^2/NDF: 30.7/22

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:29.1/26

Out: -0.125+/-0.166 χ^2/NDF:28.5/30

All: -0.099+/-0.121 χ^2/NDF: 57.7/57



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: 163791.984+/-37.913 χ^2/NDF:267647.4/10

Left: 164069.754+/-26.847 χ^2/NDF: 501097.6/22

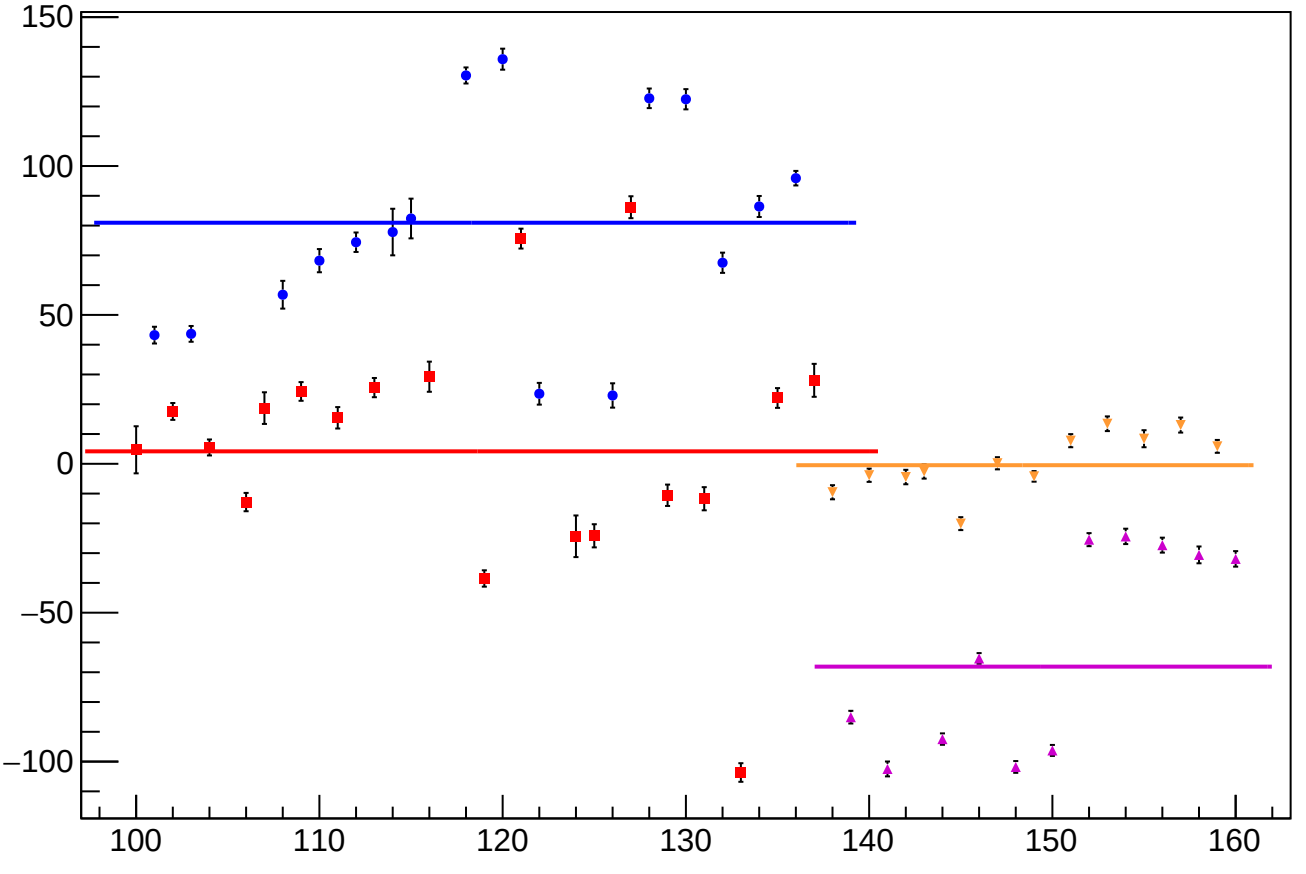
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.248+/-0.125 χ^2/NDF:30802009.5/26

Out: 157.732+/-0.118 χ^2/NDF:30212323.2/30

All: 156.567+/-0.086 χ^2/NDF: 61014541.3/57

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: -68.115+/-0.659 χ^2/NDF:2237.1/10

Left: -33.952+/-0.463 χ^2/NDF: 7760.8/22

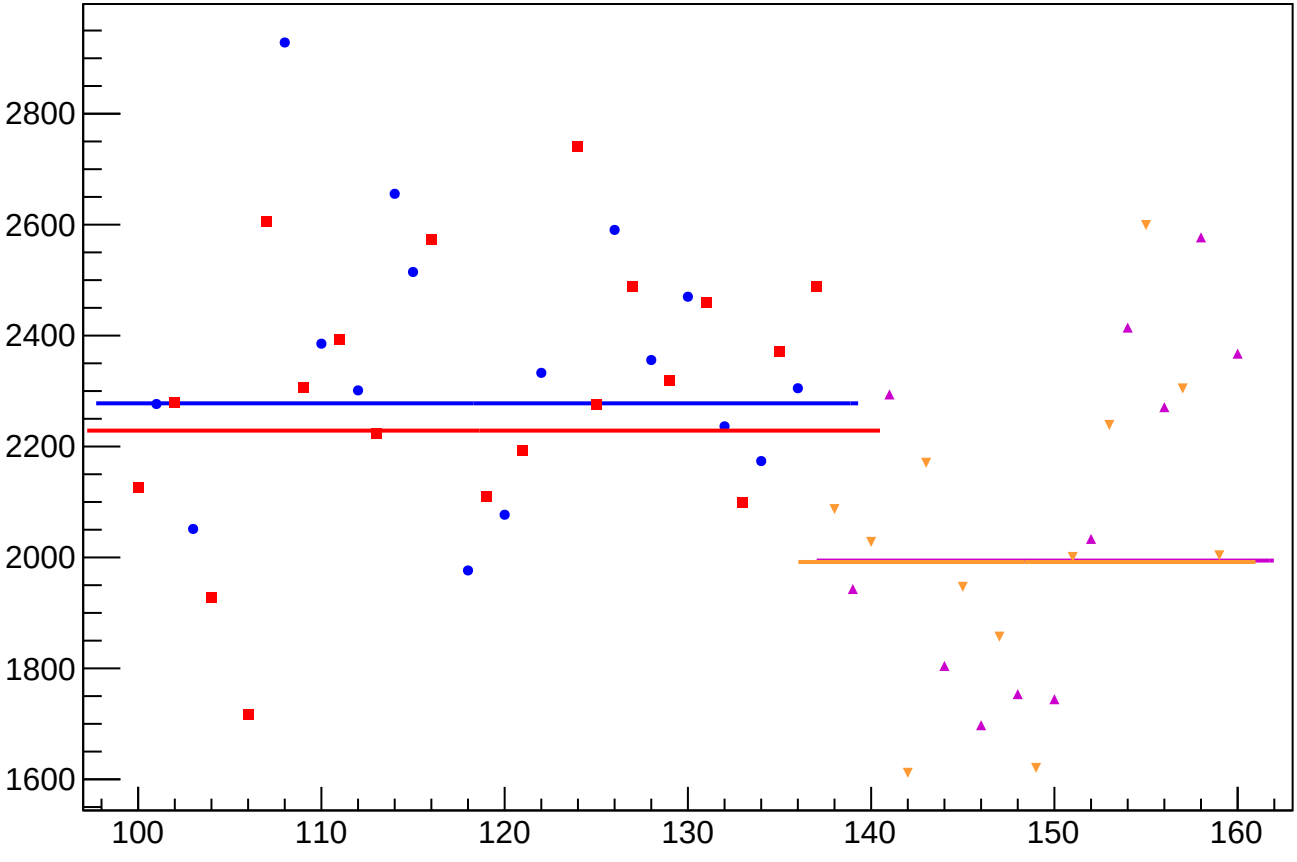
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.290+/-0.521 χ^2/NDF:23224.3/26

Out: 1.333+/-0.510 χ^2/NDF:2938.6/30

All: -5.339+/-0.365 χ^2/NDF: 26511.8/57

diff_bpm0i01X_rms vs Slug, Sign Corrected



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: 1994.397+/-0.466 χ^2/NDF:374785.1/10

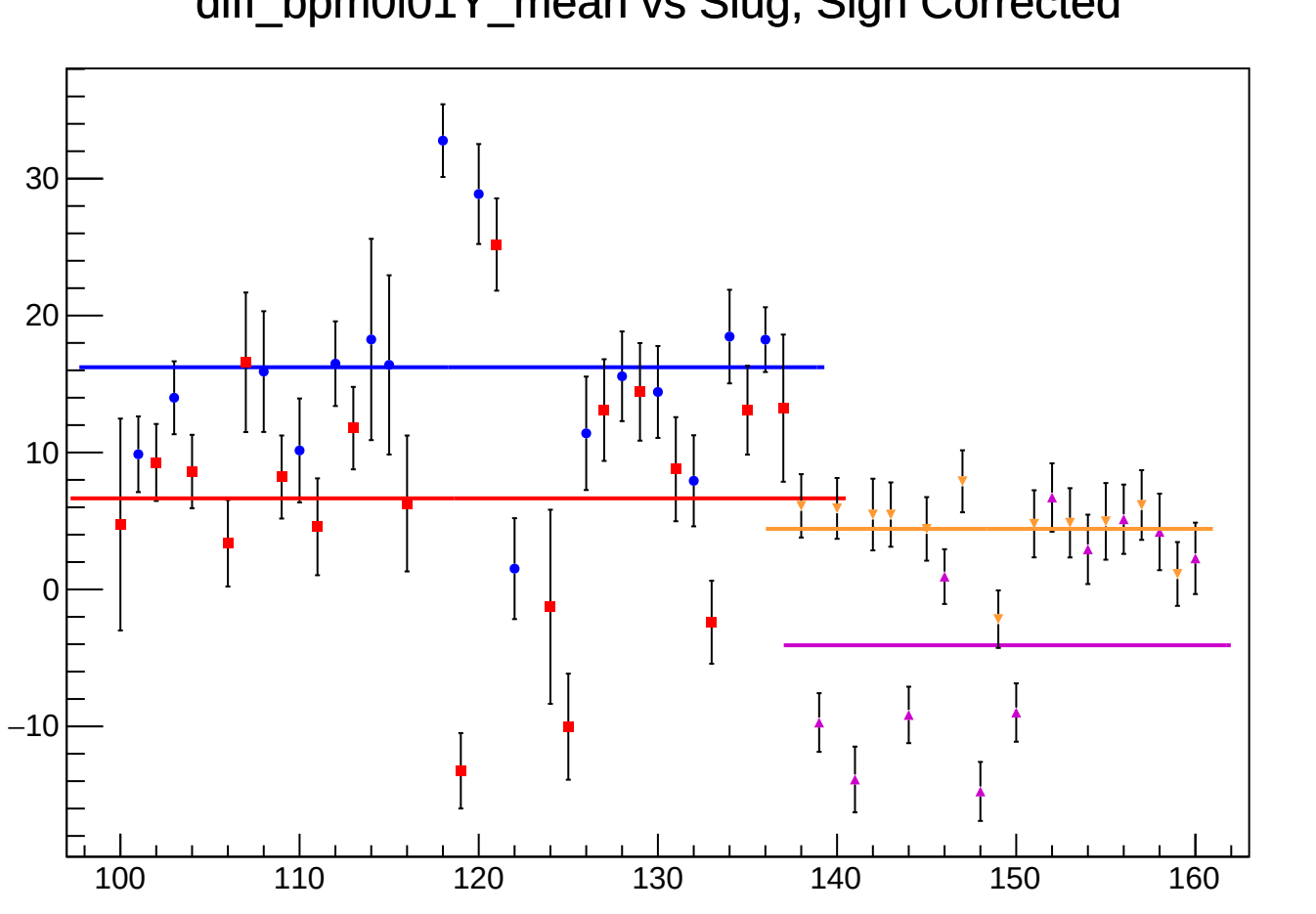
Left: 1993.098+/-0.328 χ^2/NDF: 676171.3/22

Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2100.552+/-0.368 χ^2/NDF:629220.2/26

Out: 2083.594+/-0.361 χ^2/NDF:554704.9/30

All: 2091.899+/-0.258 χ^2/NDF: 1185006.1/57



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: -4.077+/-0.697 χ^2/NDF:120.1/10

Left: 0.228+/-0.489 χ^2/NDF: 211.6/22

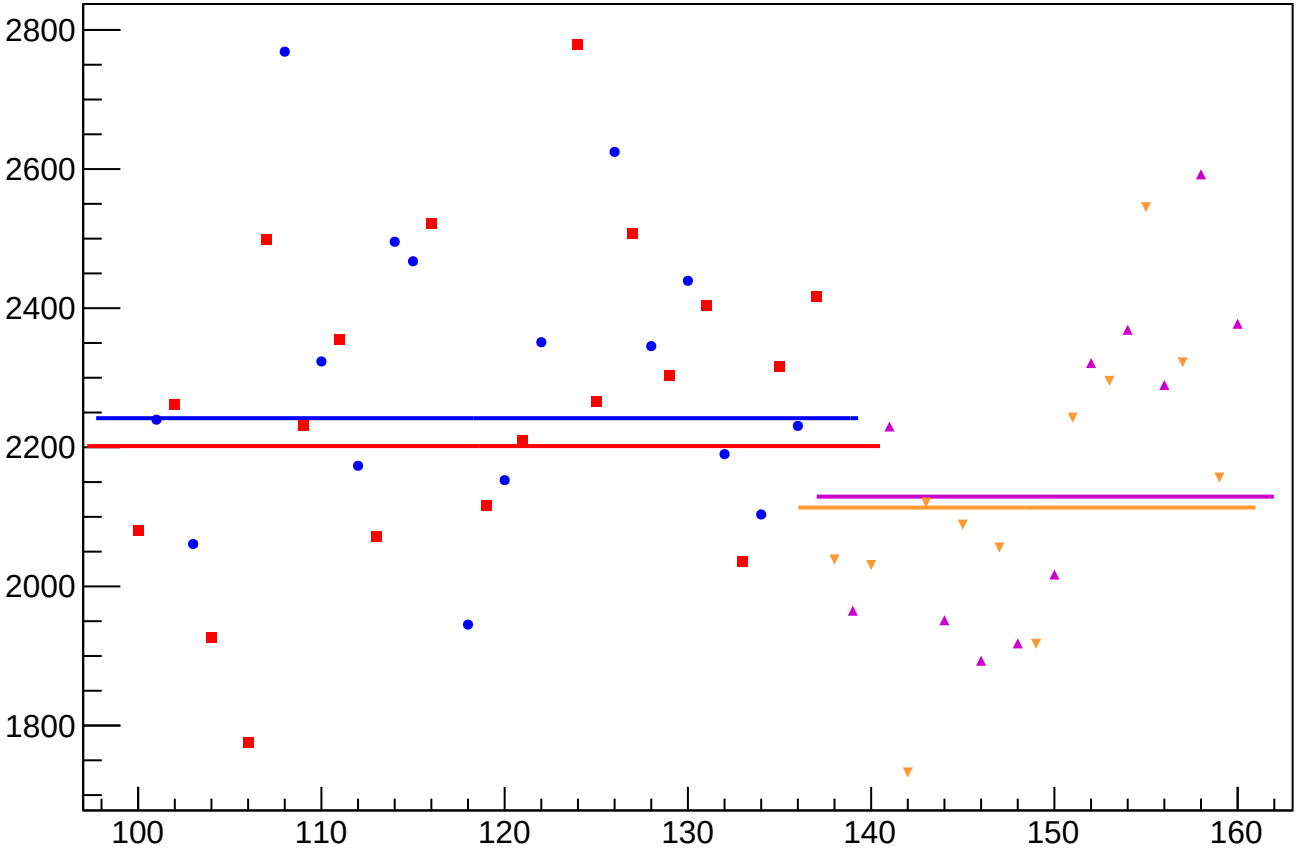
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.224+/-0.536 χ^2/NDF:552.0/26

Out: 5.359+/-0.524 χ^2/NDF:155.1/30

All: 4.804+/-0.375 χ^2/NDF: 709.3/57

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: 2129.079+/-0.493 χ^2/NDF:193660.7/10

Left: 2121.137+/-0.346 χ^2/NDF: 338040.5/22

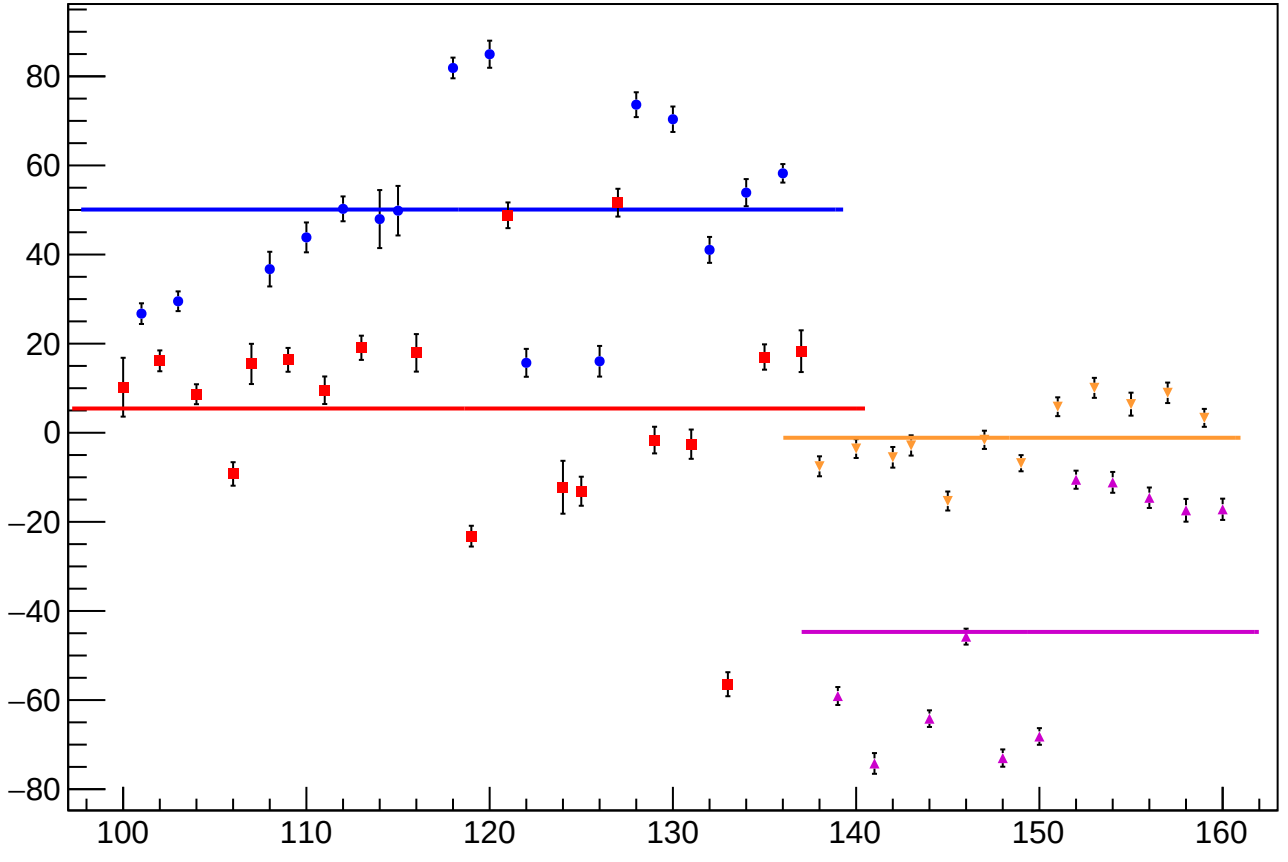
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2175.188+/-0.379 χ^2/NDF:317353.3/26

Out: 2150.443+/-0.371 χ^2/NDF:287587.0/30

All: 2162.547+/-0.265 χ^2/NDF: 607121.3/57

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: -44.705+/-0.629 χ^2/NDF:1600.0/10

Left: -22.706+/-0.443 χ^2/NDF: 4158.9/22

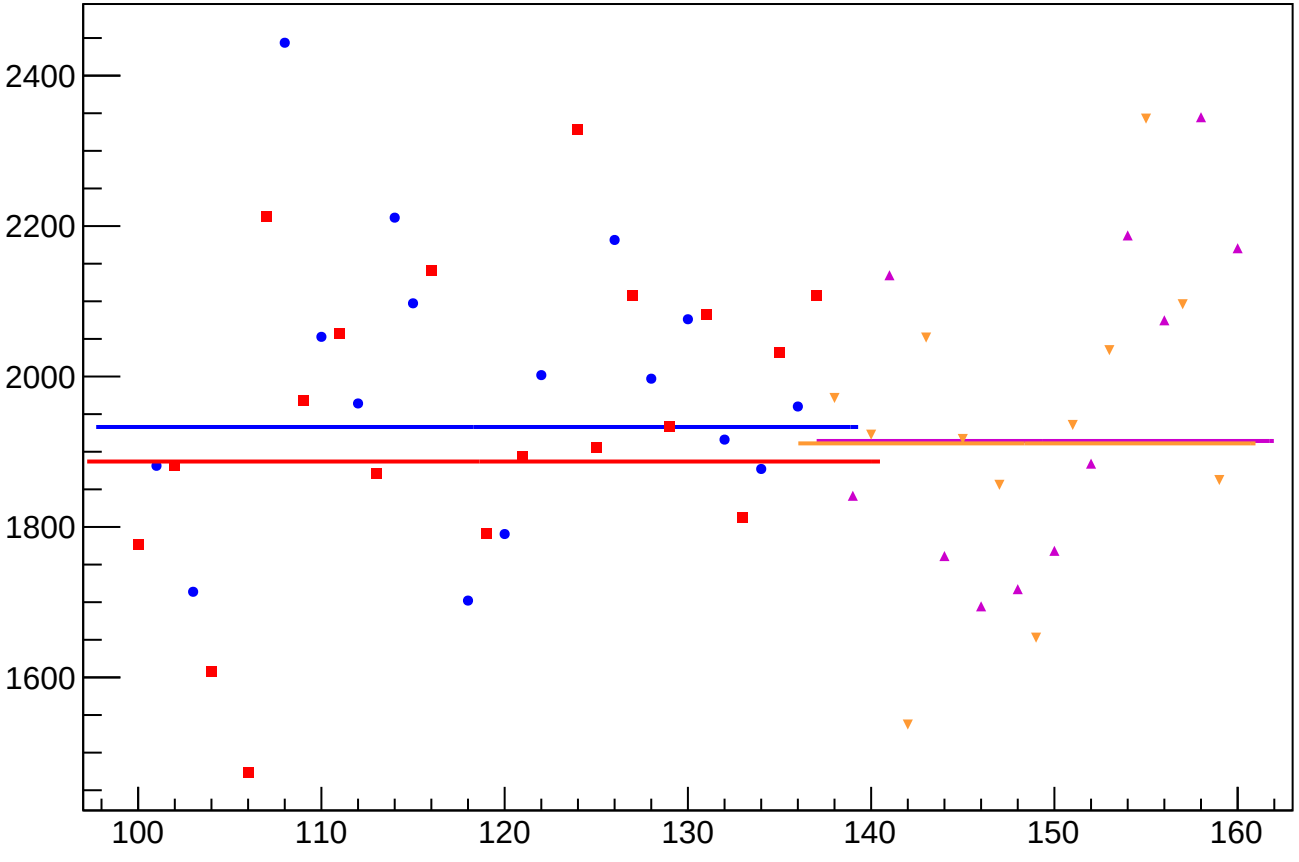
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.797+/-0.474 χ^2/NDF:12287.9/26

Out: 1.805+/-0.464 χ^2/NDF:1497.7/30

All: -0.932+/-0.332 χ^2/NDF: 13856.8/57

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: 1914.316+/-0.445 χ^2/NDF:214223.4/10

Left: 1912.693+/-0.313 χ^2/NDF: 394036.7/22

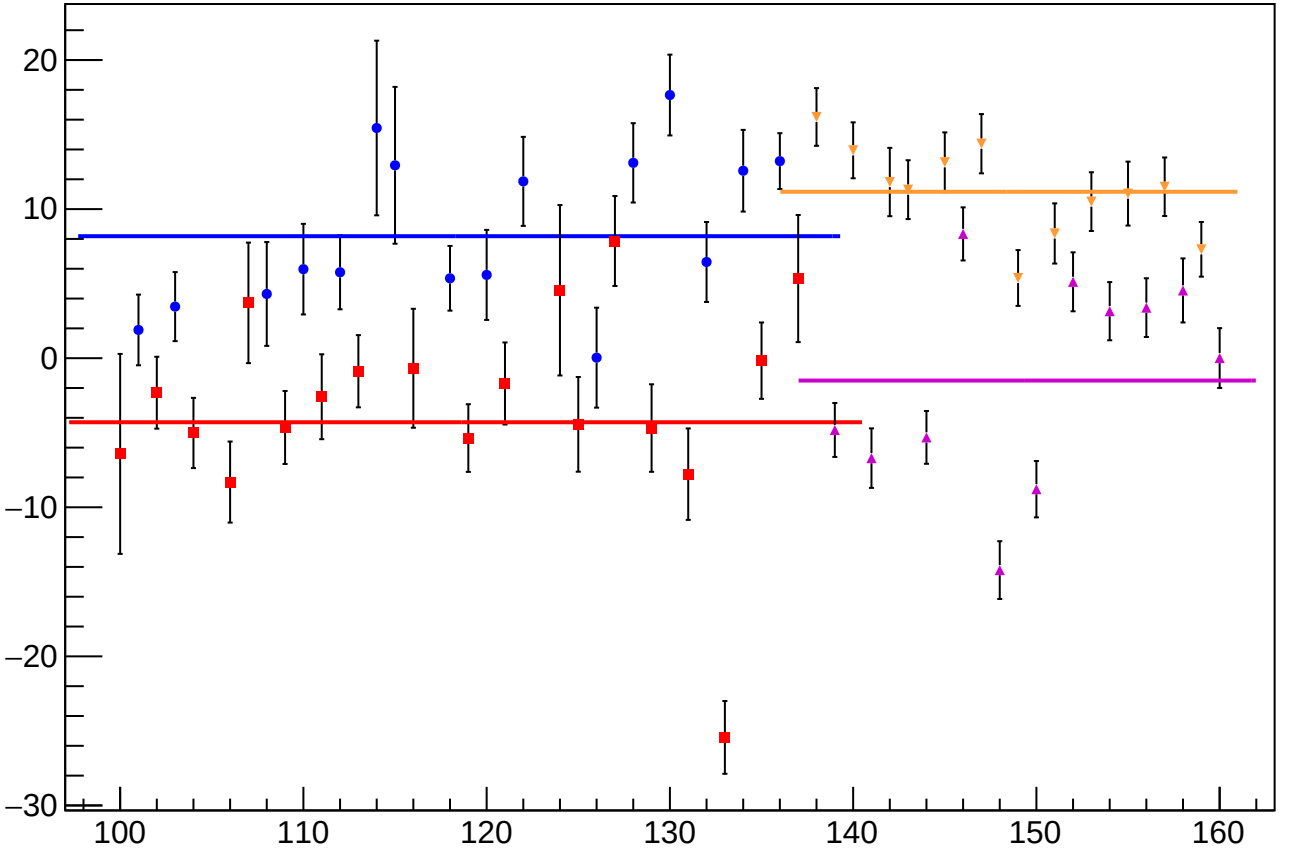
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1922.337+/-0.335 χ^2/NDF:320944.4/26

Out: 1900.351+/-0.328 χ^2/NDF:330867.8/30

All: 1911.095+/-0.234 χ^2/NDF: 654009.0/57

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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: -1.499+/-0.580 χ^2/NDF:134.7/10

Left: 4.922+/-0.407 χ^2/NDF: 405.5/22

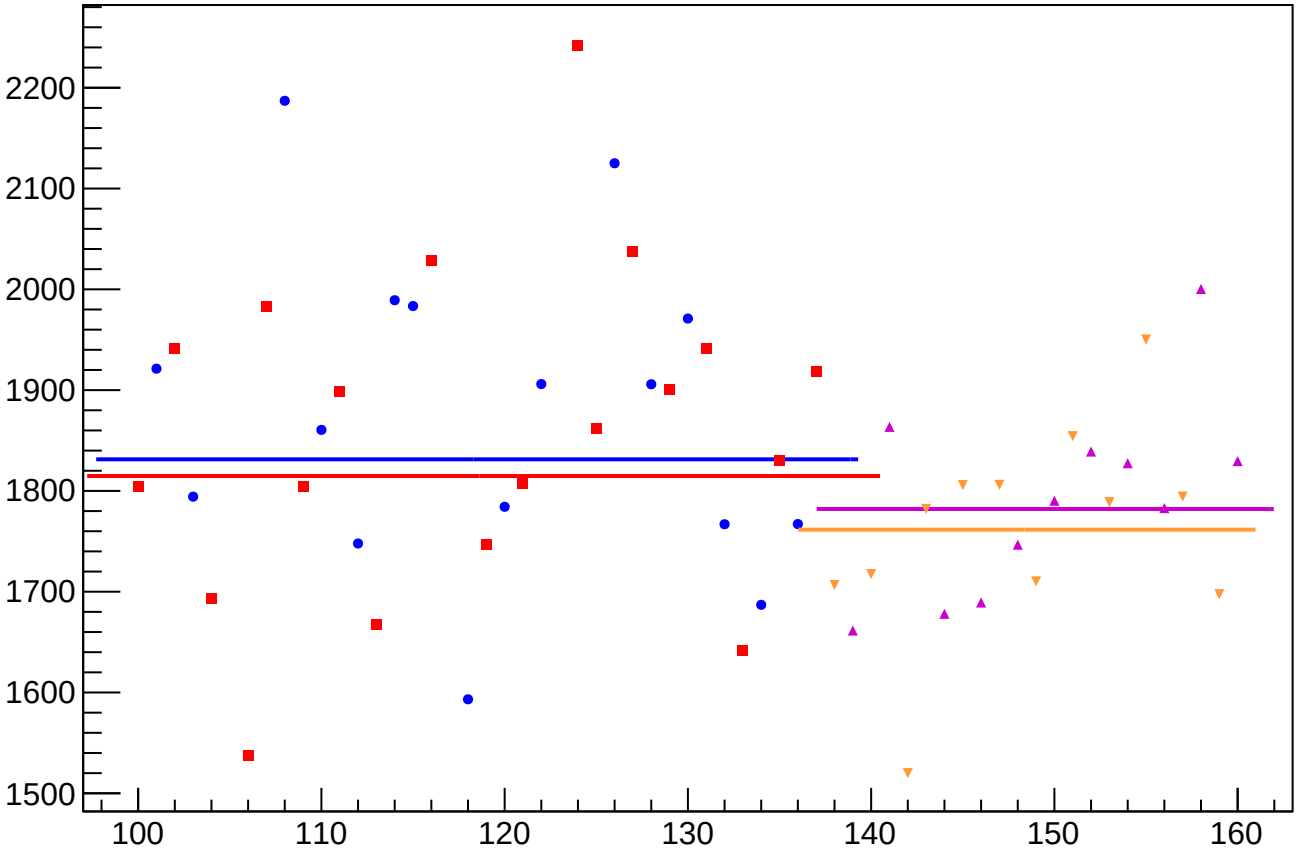
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.550+/-0.442 χ^2/NDF:303.4/26

Out: 4.603+/-0.434 χ^2/NDF:453.3/30

All: 3.596+/-0.310 χ^2/NDF: 767.7/57

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: 1782.062+/-0.410 χ^2/NDF:49746.8/10

Left: 1771.666+/-0.288 χ^2/NDF: 102731.8/22

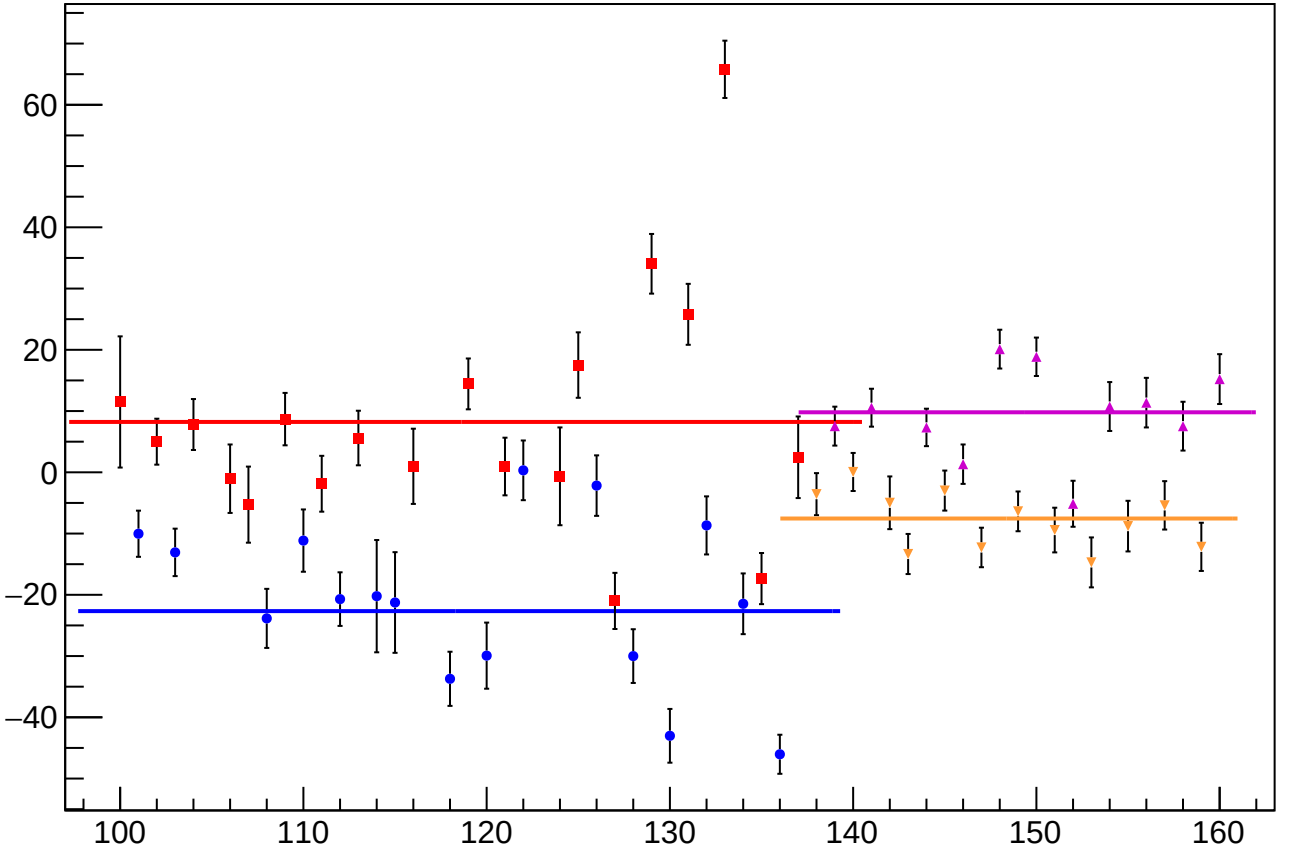
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1802.677+/-0.313 χ^2/NDF:142718.1/26

Out: 1784.143+/-0.307 χ^2/NDF:149816.1/30

All: 1793.230+/-0.219 χ^2/NDF: 294326.5/57

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: 9.798+/-1.039 χ^2/NDF:45.2/10

Left: 1.050+/-0.732 χ^2/NDF: 205.9/22

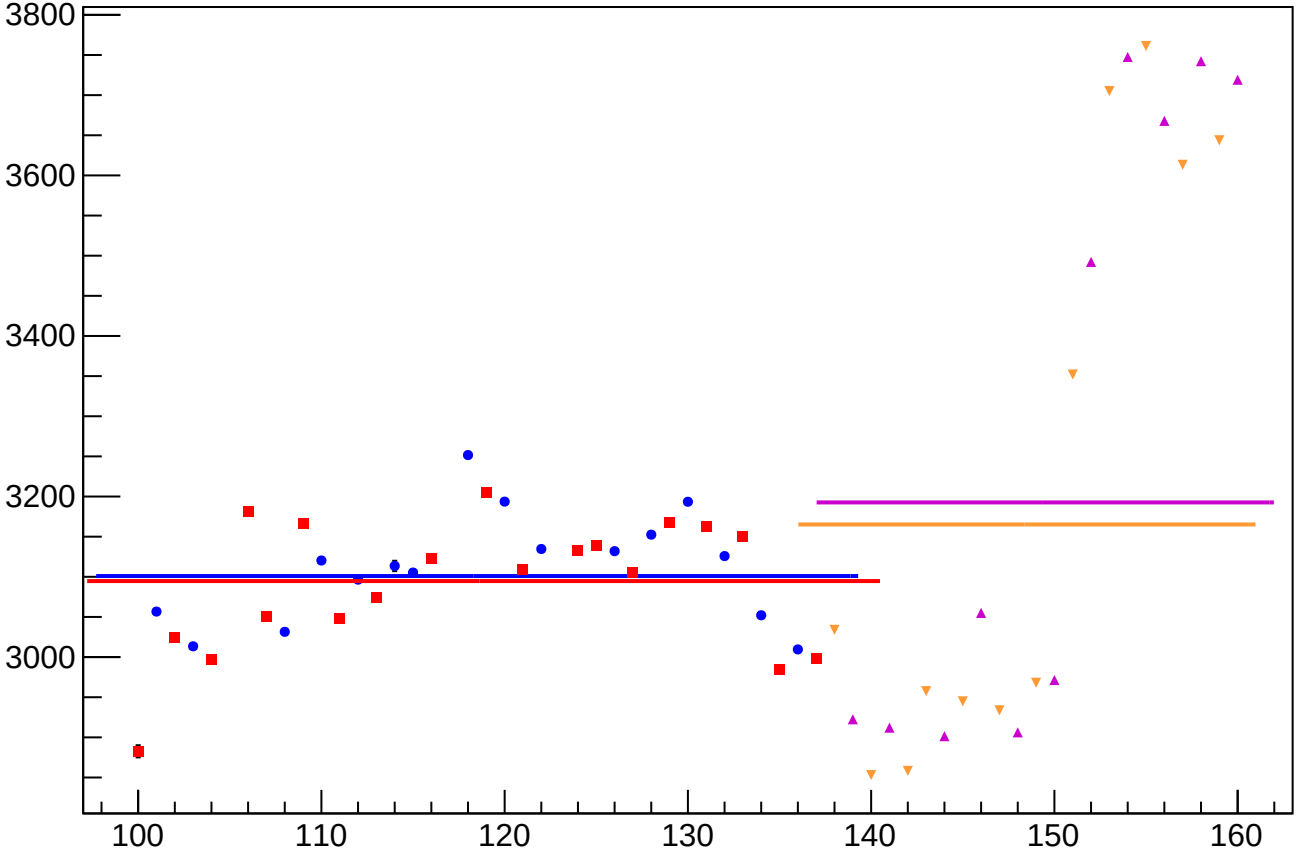
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -4.765+/-0.772 χ^2/NDF:640.2/26

Out: -0.381+/-0.761 χ^2/NDF:421.5/30

All: -2.542+/-0.542 χ^2/NDF: 1078.0/57

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: 3192.647+/-0.735 χ^2/NDF:229399.9/10

Left: 3178.805+/-0.517 χ^2/NDF: 435367.1/22

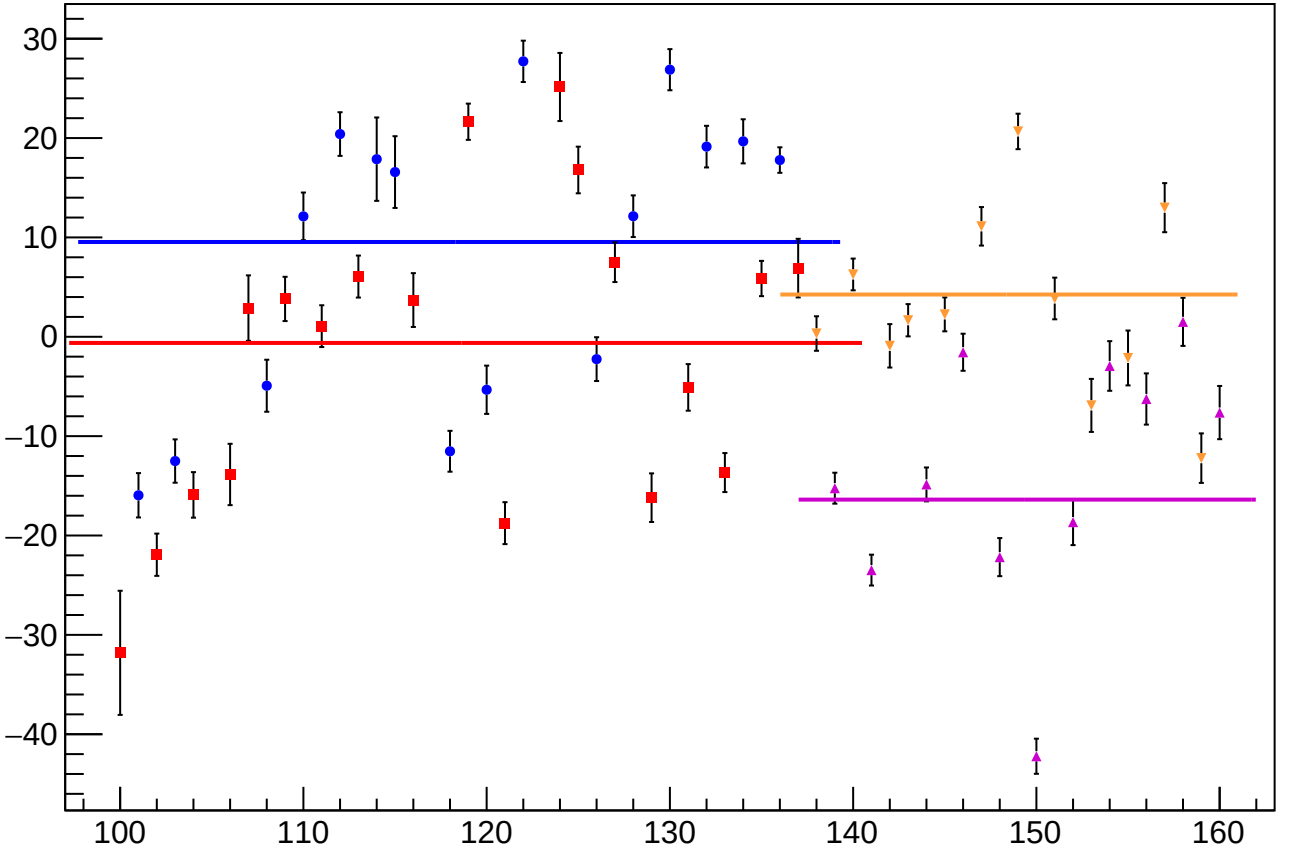
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3151.503+/-0.546 χ^2/NDF:244282.5/26

Out: 3133.169+/-0.538 χ^2/NDF:218107.3/30

All: 3142.207+/-0.383 χ^2/NDF: 462962.3/57

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: -16.388+/-0.591 χ^2/NDF:418.8/10

Left: -5.720+/-0.411 χ^2/NDF: 1240.8/22

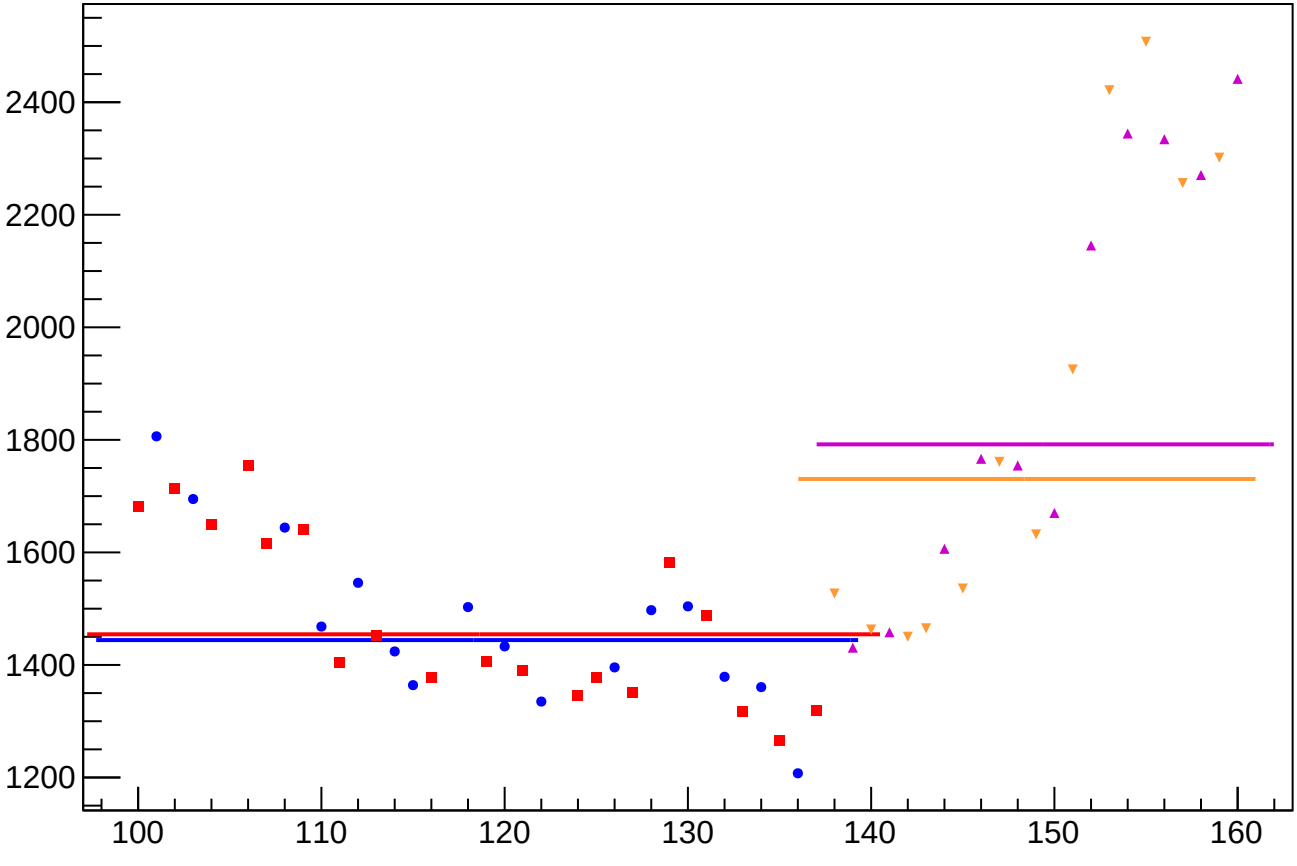
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.281+/-0.399 χ^2/NDF:2163.6/26

Out: 1.651+/-0.390 χ^2/NDF:896.9/30

All: -0.270+/-0.279 χ^2/NDF: 3110.0/57

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1730.523+/-0.404 χ^2/NDF:707857.2/11

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1792.011+/-0.418 χ^2/NDF:663476.5/10

Left: 1760.232+/-0.291 χ^2/NDF: 1382509.8/22

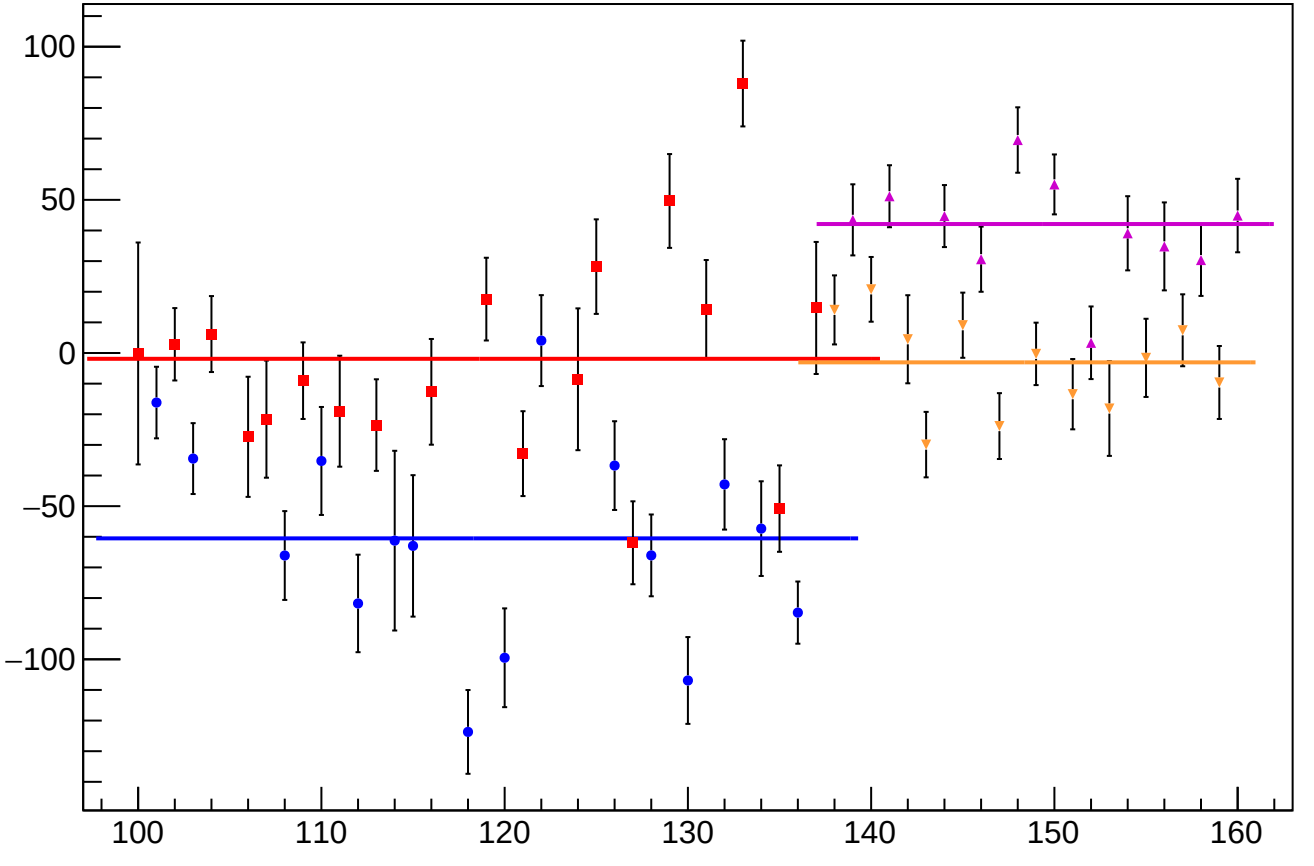
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1602.764+/-0.282 χ^2/NDF:1220110.3/26

Out: 1583.111+/-0.276 χ^2/NDF:1099597.3/30

All: 1592.714+/-0.197 χ^2/NDF: 2322185.5/57

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: 42.107+/-3.371 χ^2/NDF:22.5/10

Left: 19.308+/-2.372 χ^2/NDF: 135.1/22

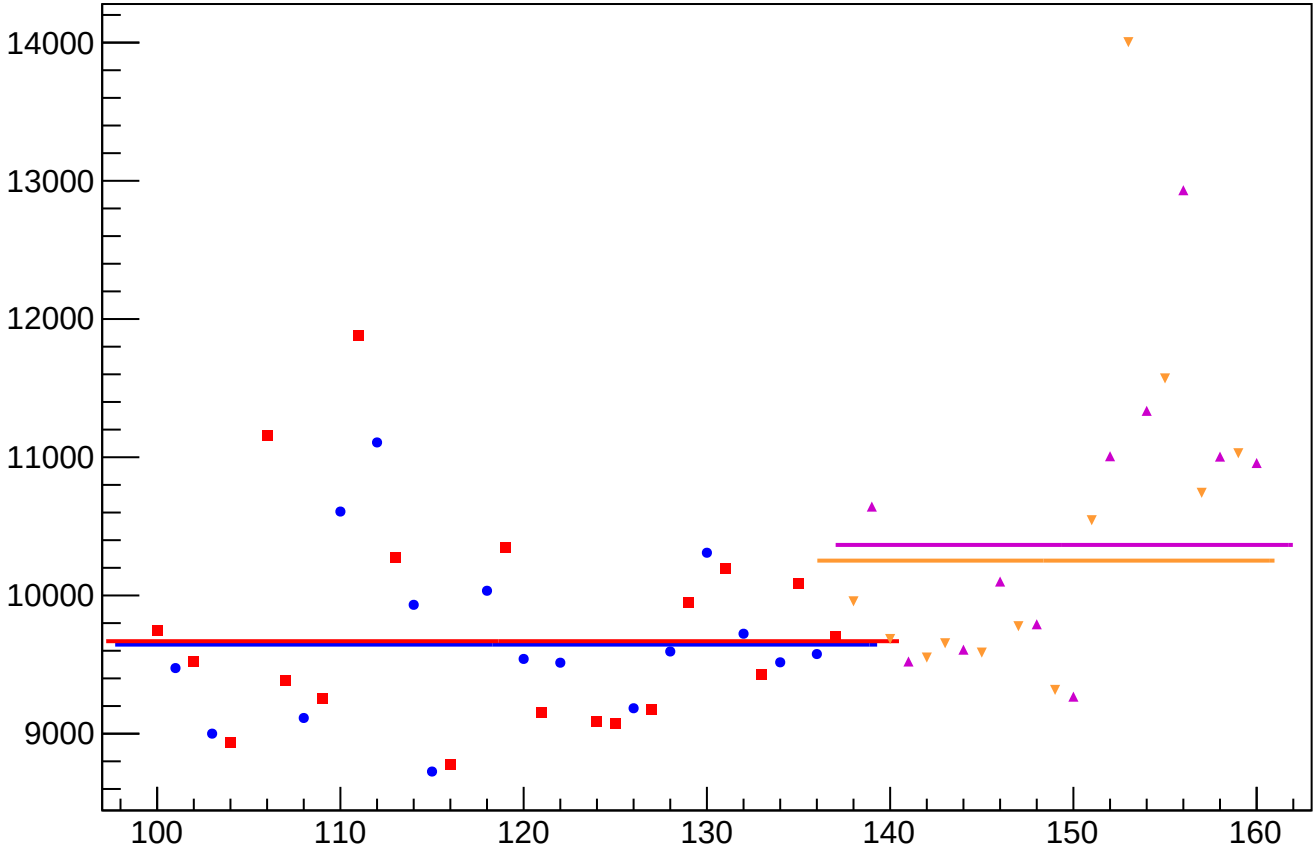
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -5.886+/-2.459 χ^2/NDF:546.3/26

Out: -2.507+/-2.430 χ^2/NDF:125.9/30

All: -4.176+/-1.728 χ^2/NDF: 673.1/57

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: 10365.709+/-2.383 χ^2/NDF:151837.9/10

Left: 10308.377+/-1.677 χ^2/NDF: 351978.0/22

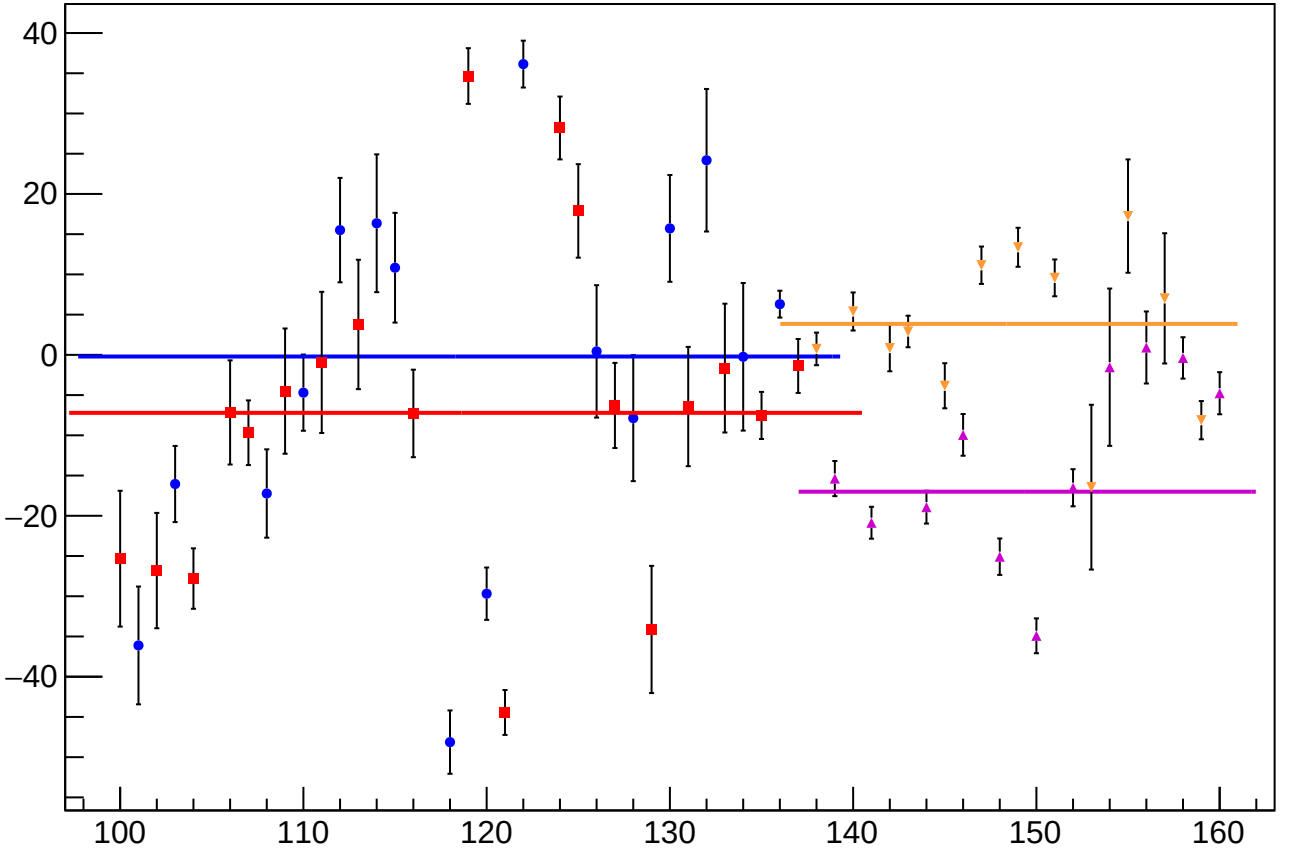
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10028.379+/-1.739 χ^2/NDF:238771.2/26

Out: 9977.973+/-1.718 χ^2/NDF:307562.5/30

All: 10002.869+/-1.222 χ^2/NDF: 546758.9/57

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: -17.005+/-0.744 χ^2/NDF:176.1/10

Left: -6.901+/-0.534 χ^2/NDF: 633.1/22

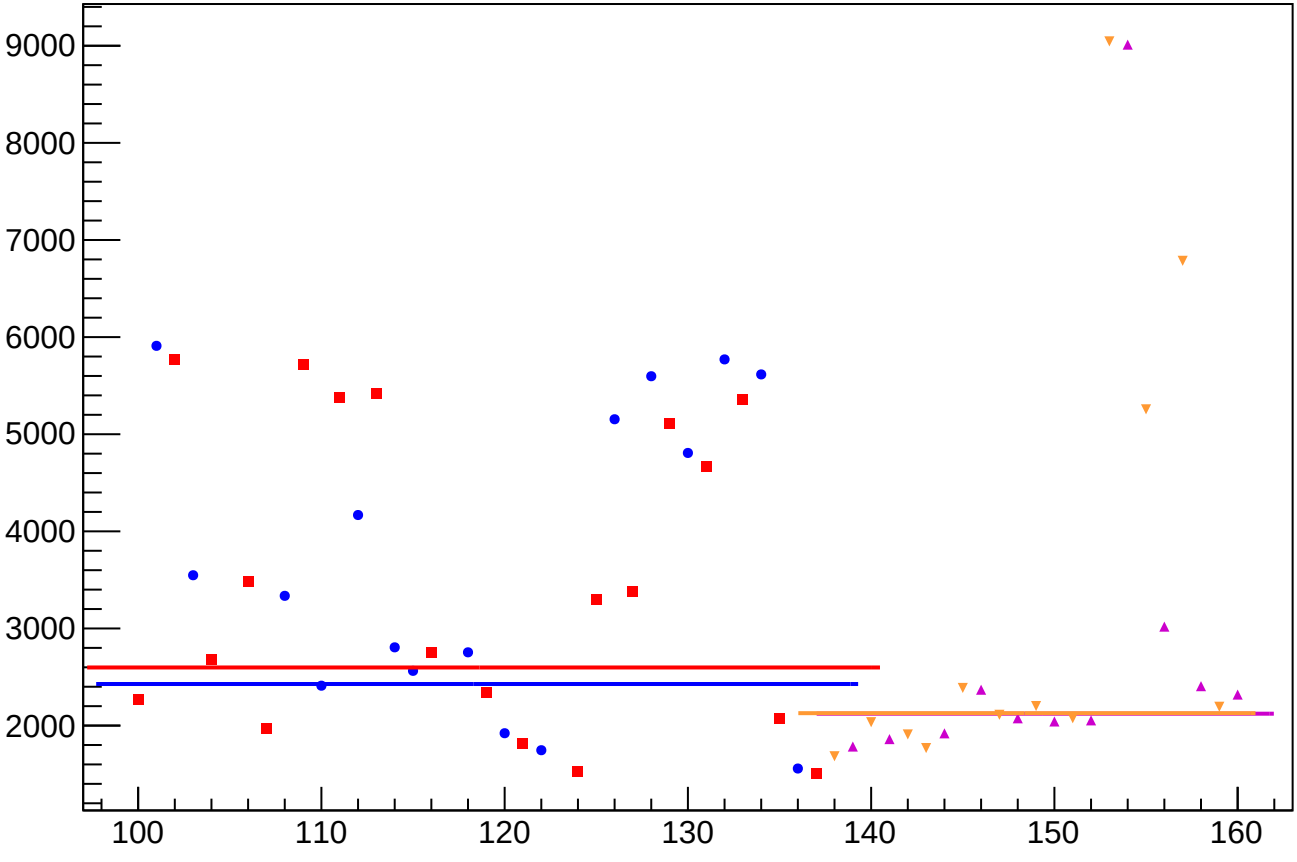
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.358+/-0.606 χ^2/NDF:821.2/26

Out: 0.111+/-0.624 χ^2/NDF:632.1/30

All: -5.792+/-0.435 χ^2/NDF: 1627.0/57

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: 2122.425+/-0.526 χ^2/NDF:1235069.4/10

Left: 2125.009+/-0.378 χ^2/NDF: 3403984.9/22

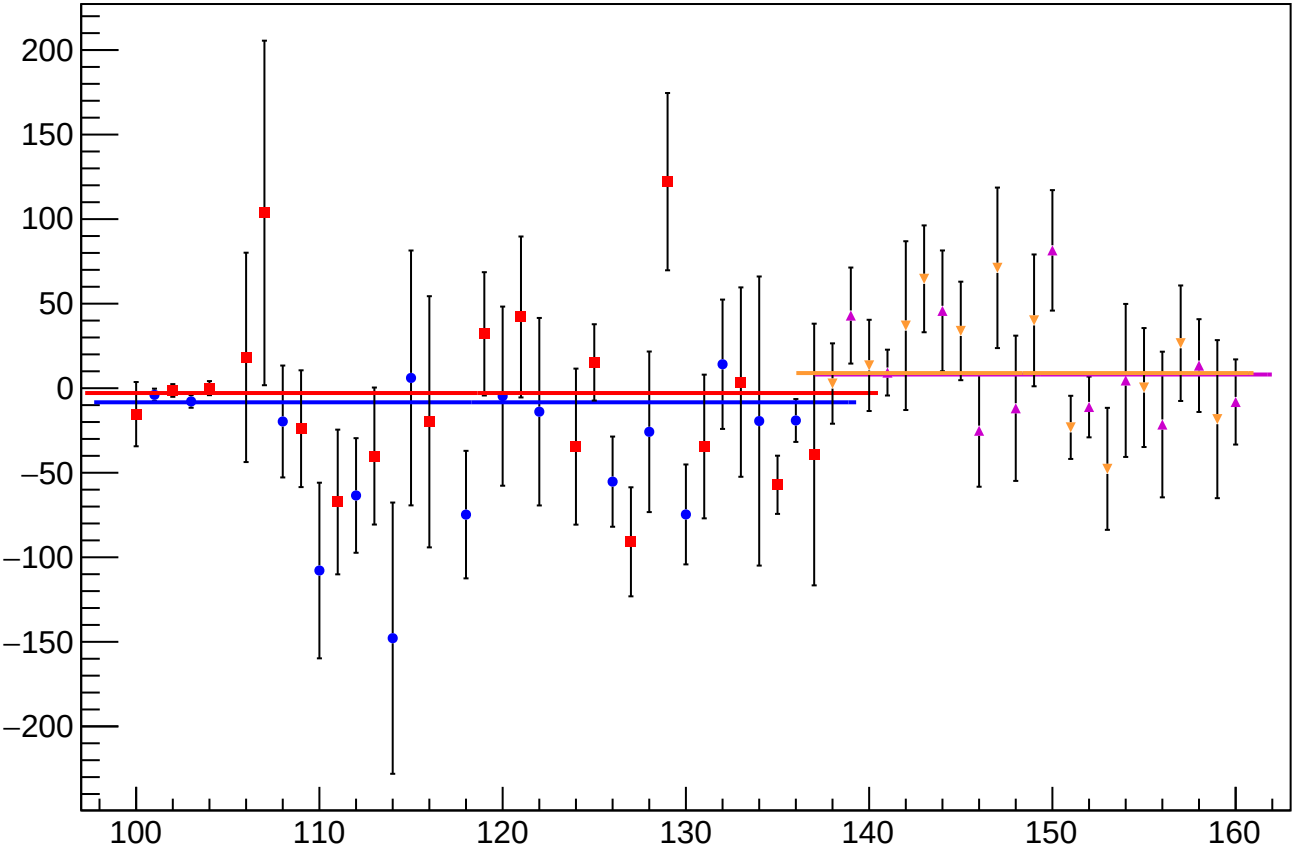
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2225.183+/-0.429 χ^2/NDF:4163908.8/26

Out: 2286.850+/-0.441 χ^2/NDF:4938105.6/30

All: 2255.107+/-0.307 χ^2/NDF: 9112060.5/57

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: 8.097+/-7.729 χ^2/NDF:10.2/10

Left: 8.464+/-5.839 χ^2/NDF: 22.9/22

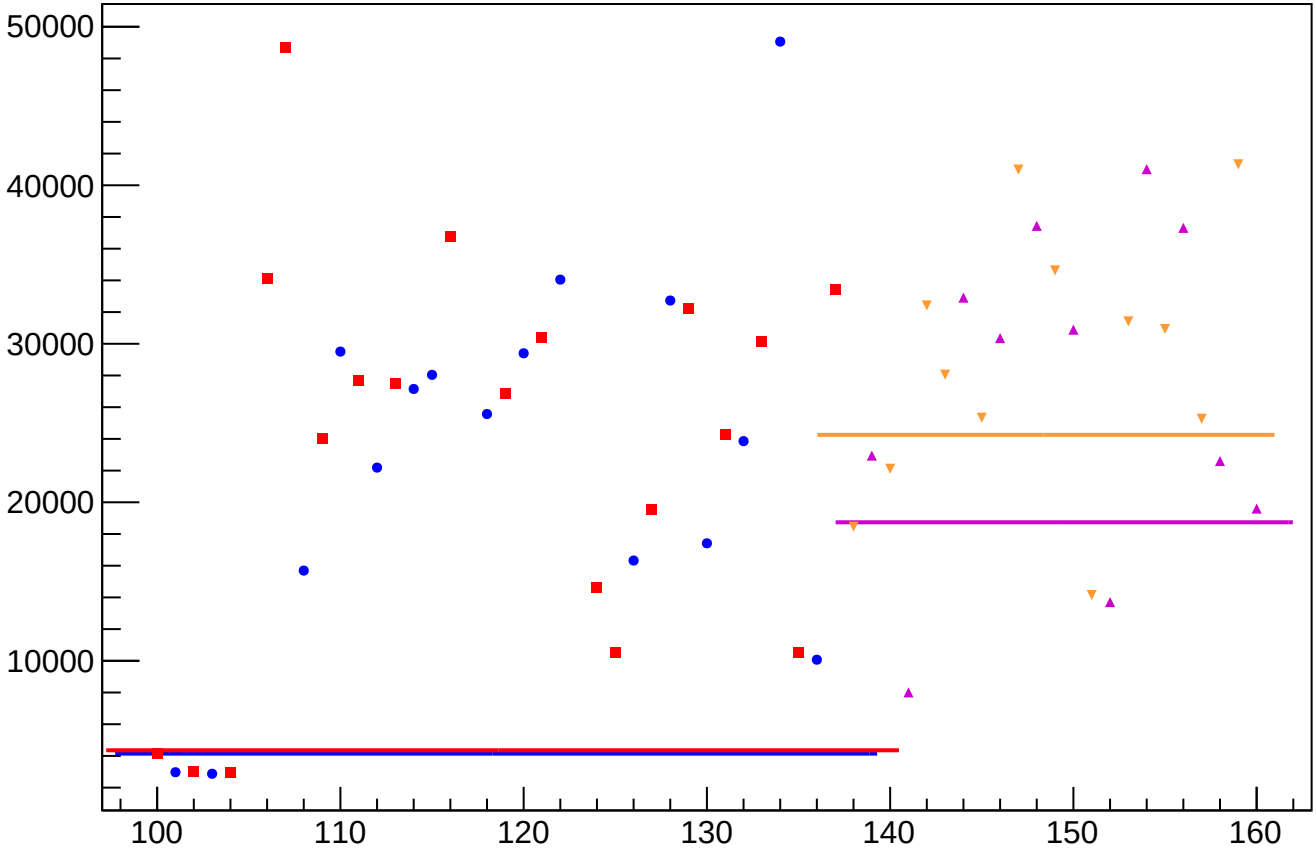
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.777+/-2.378 χ^2/NDF:37.7/26

Out: -1.897+/-2.531 χ^2/NDF:46.9/30

All: -4.489+/-1.733 χ^2/NDF: 86.6/57

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: 18739.276+/-5.465 χ^2/NDF:3526344.8/10

Left: 21107.076+/-4.129 χ^2/NDF: 5575896.6/22

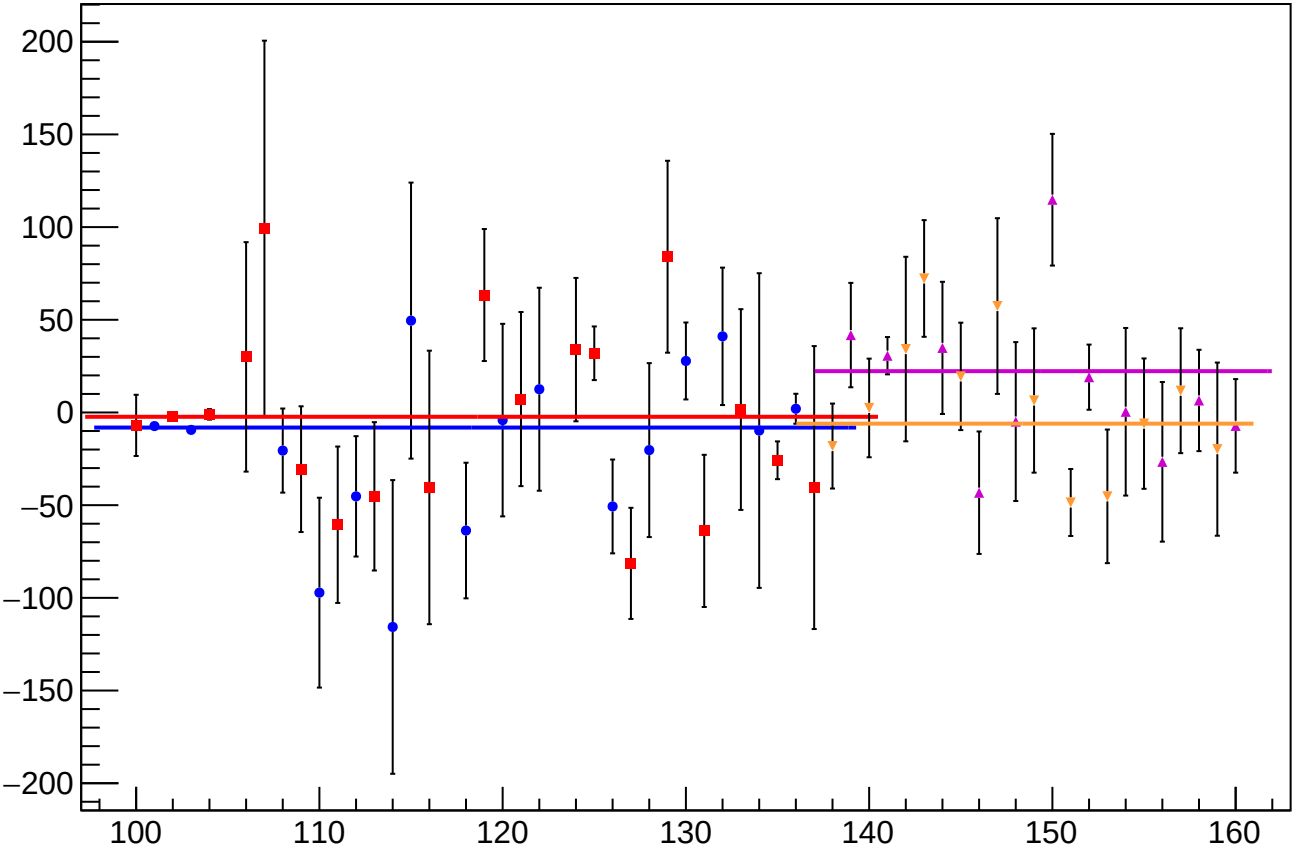
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5527.394+/-1.682 χ^2/NDF:16818483.3/26

Out: 5959.038+/-1.790 χ^2/NDF:18403875.6/30

All: 5729.794+/-1.225 χ^2/NDF: 35253254.6/5

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: 22.288+/-6.844 χ^2/NDF:15.7/10

Left: 11.569+/-5.395 χ^2/NDF: 39.1/22

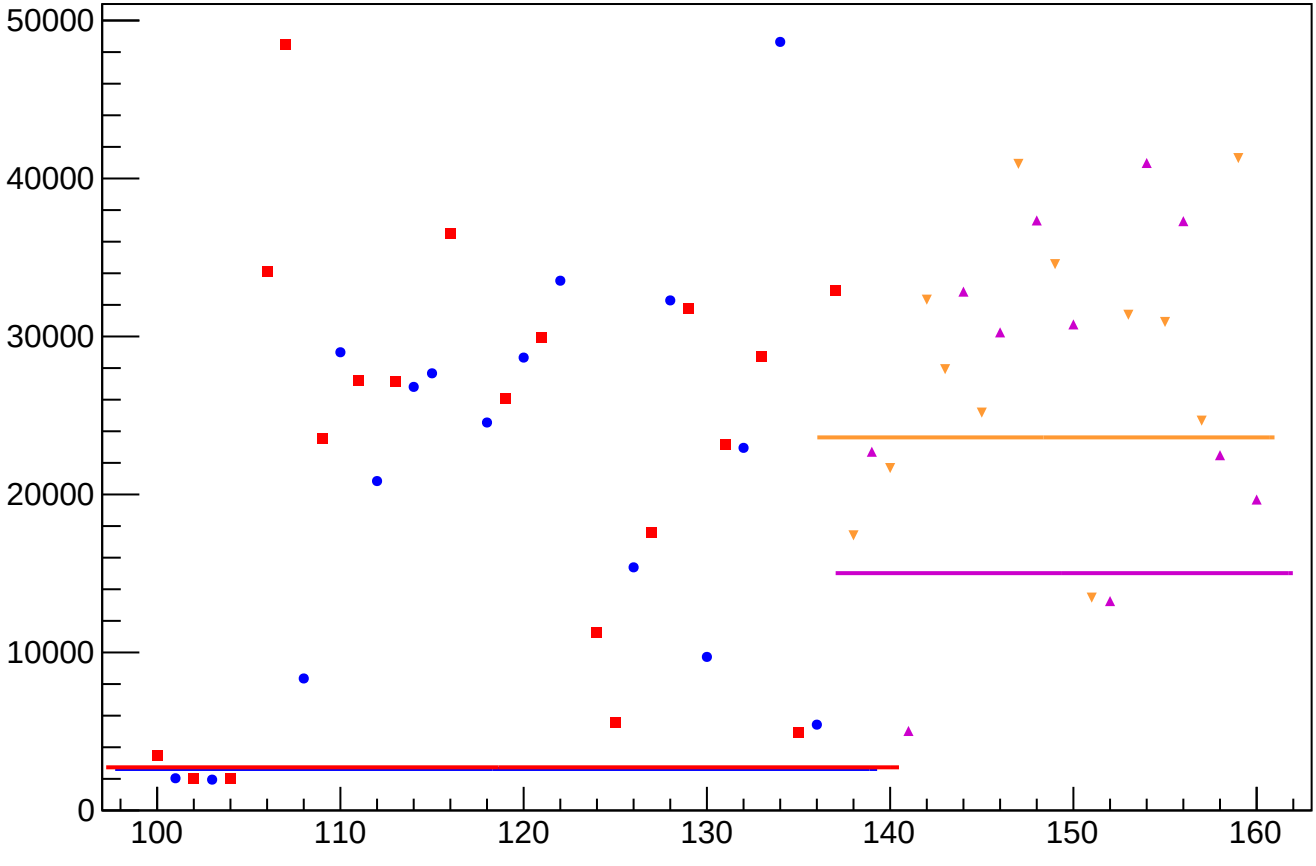
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.324+/-1.668 χ^2/NDF:53.4/26

Out: -2.478+/-1.784 χ^2/NDF:50.2/30

All: -4.529+/-1.218 χ^2/NDF: 106.1/57

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: 15020.176+/-4.839 χ^2/NDF:5412848.6/10

Left: 18273.491+/-3.815 χ^2/NDF: 8391579.4/22

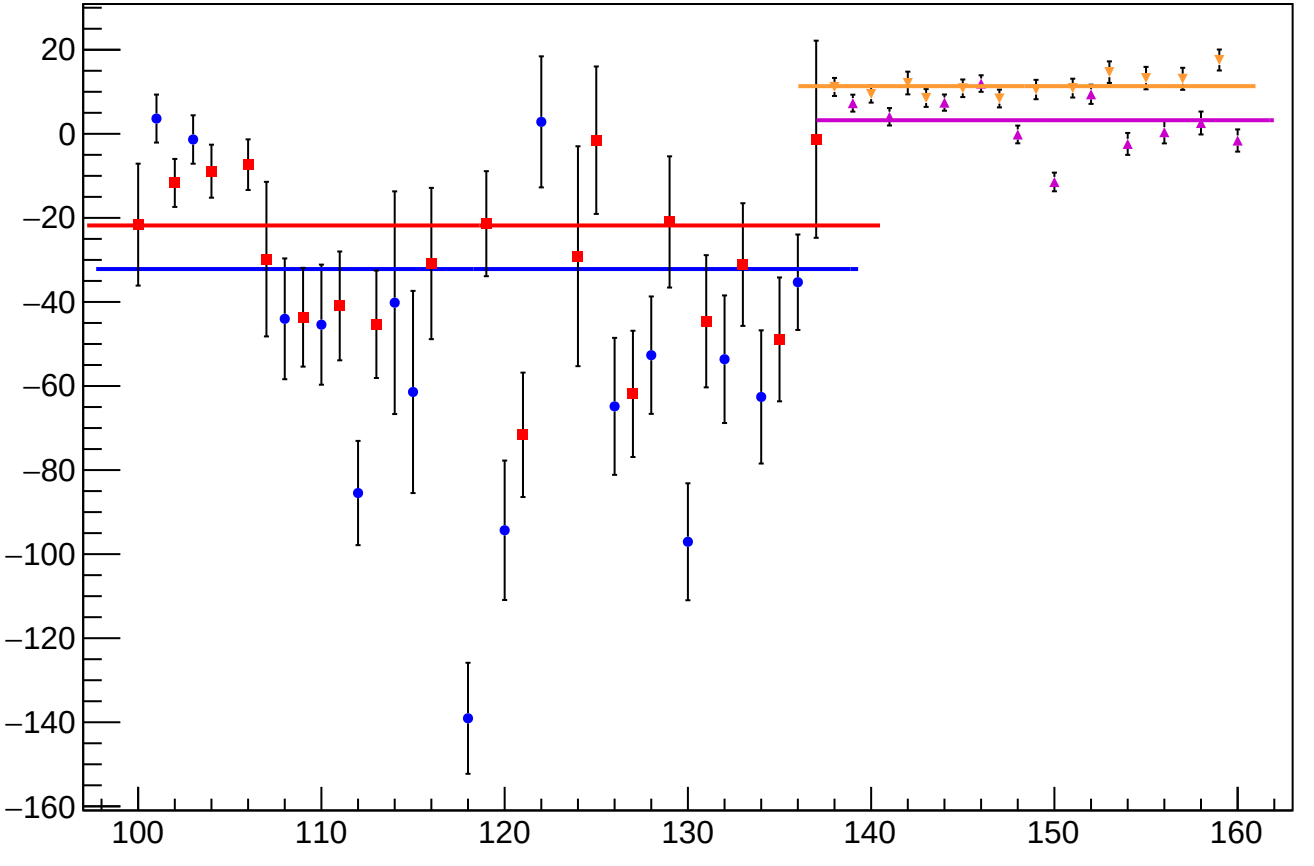
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3363.036+/-1.180 χ^2/NDF:18362718.7/26

Out: 3594.404+/-1.261 χ^2/NDF:20647270.5/30

All: 3471.015+/-0.862 χ^2/NDF: 39027937.7/5

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: 3.234+/-0.676 χ^2/NDF:91.3/10

Left: 7.348+/-0.474 χ^2/NDF: 178.0/22

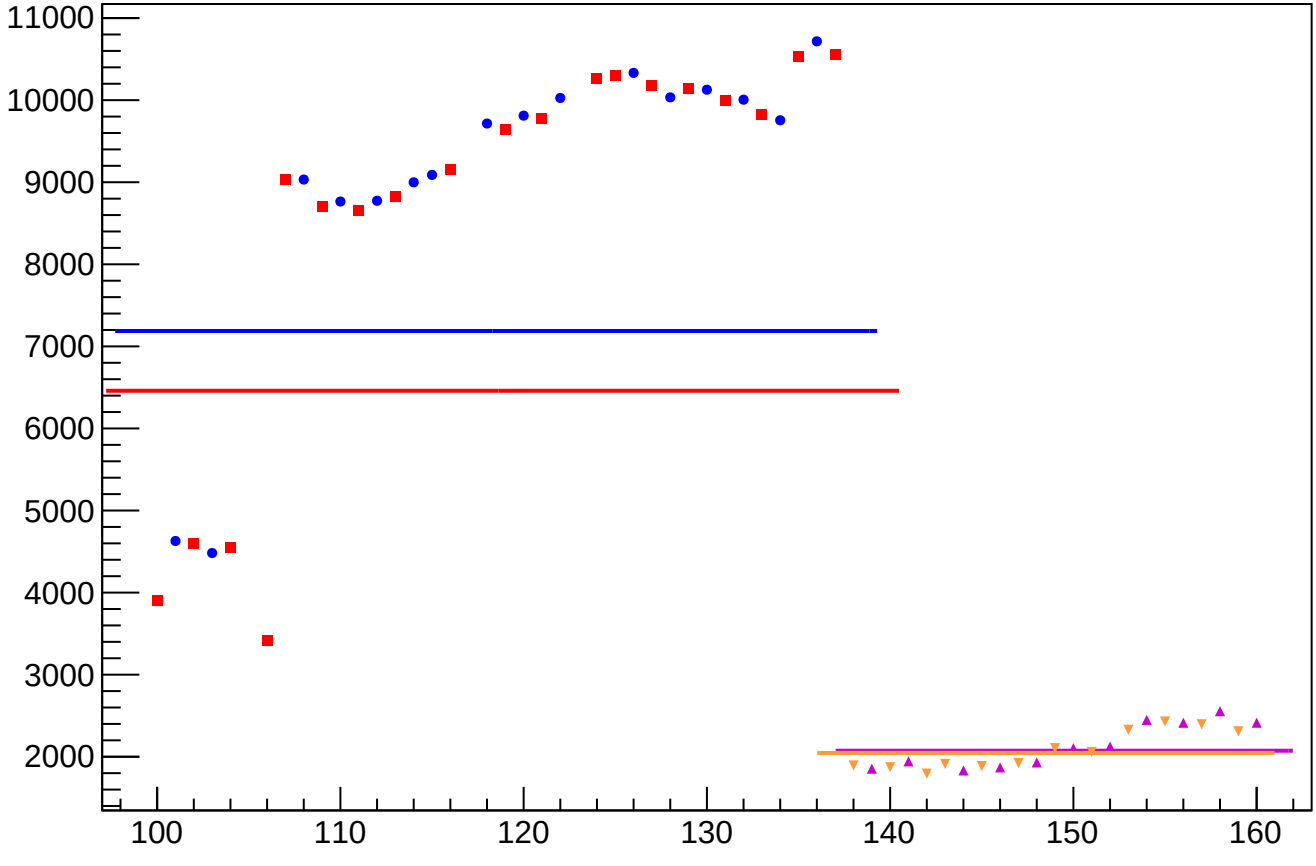
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.338+/-0.658 χ^2/NDF:446.0/26

Out: 9.235+/-0.644 χ^2/NDF:220.1/30

All: 5.367+/-0.460 χ^2/NDF: 739.6/57

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: 2073.483+/-0.478 χ^2/NDF:263861.2/10

Left: 2059.746+/-0.335 χ^2/NDF: 458471.5/22

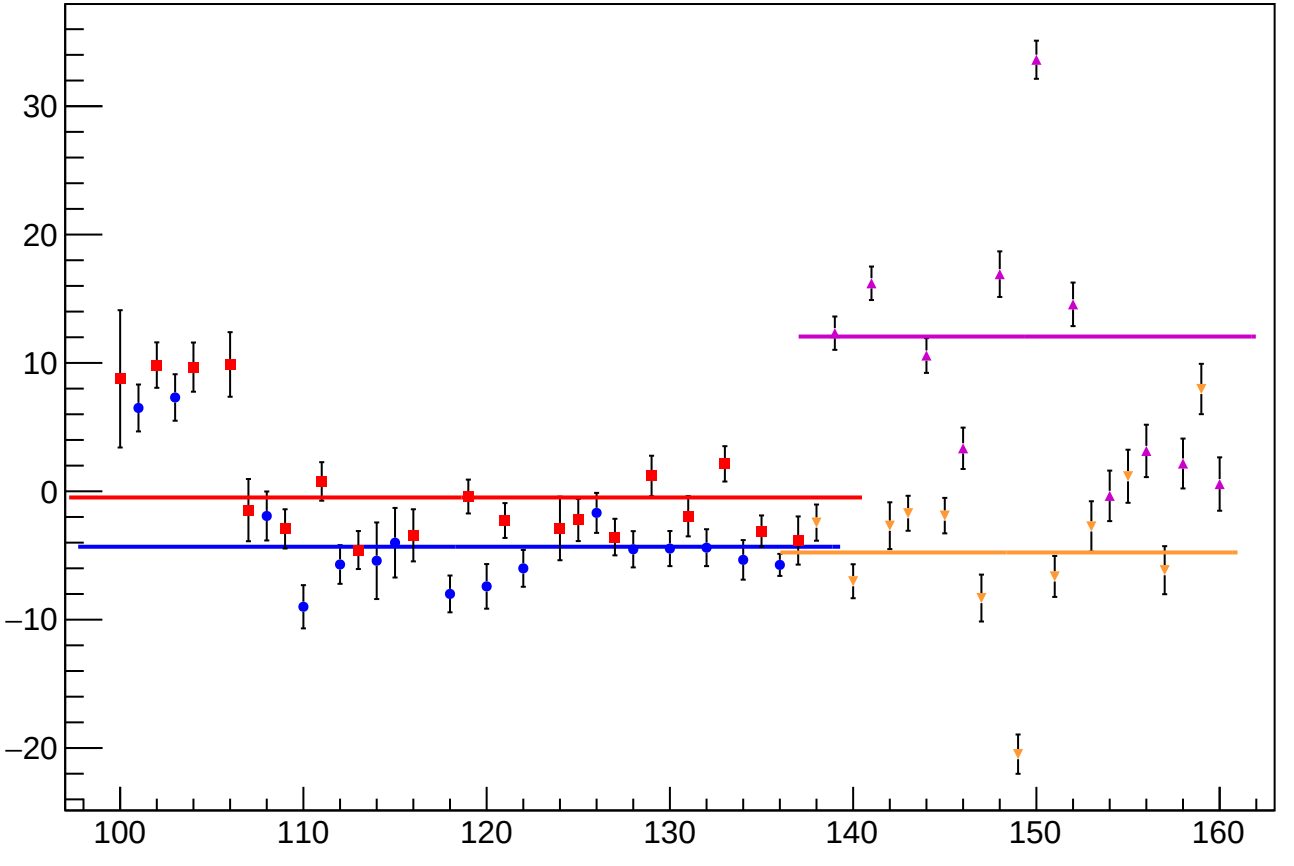
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2347.357+/-0.465 χ^2/NDF:8099810.6/26

Out: 2326.680+/-0.456 χ^2/NDF:8046444.3/30

All: 2336.809+/-0.325 χ^2/NDF: 16147263.5/5

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: 12.056+/-0.487 χ^2/NDF:376.2/10

Left: 3.293+/-0.337 χ^2/NDF: 1177.7/22

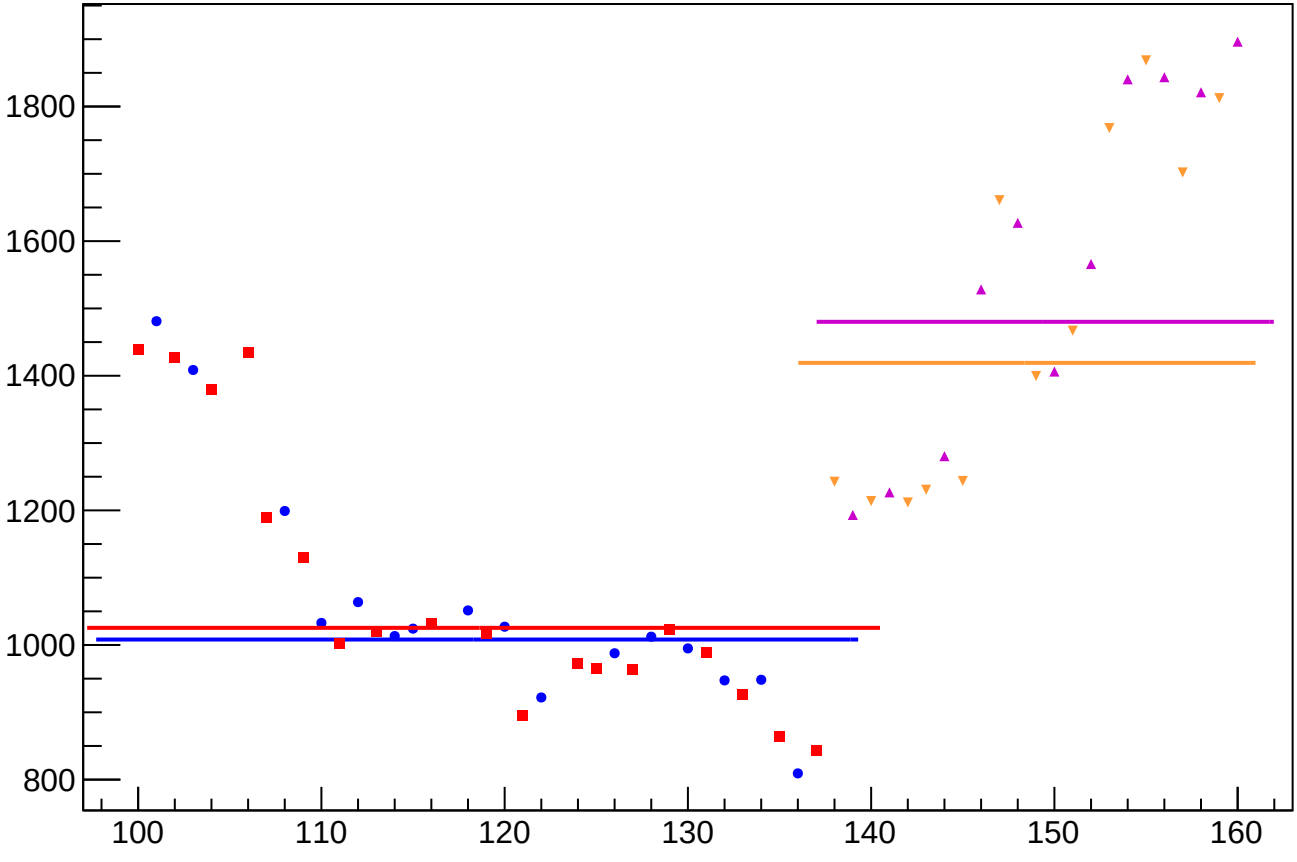
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.880+/-0.299 χ^2/NDF:1183.9/26

Out: -2.182+/-0.294 χ^2/NDF:346.7/30

All: -0.188+/-0.210 χ^2/NDF: 1624.3/57

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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: 1480.138+/-0.344 χ^2/NDF:514513.9/10

Left: 1448.359+/-0.238 χ^2/NDF: 1027843.0/22

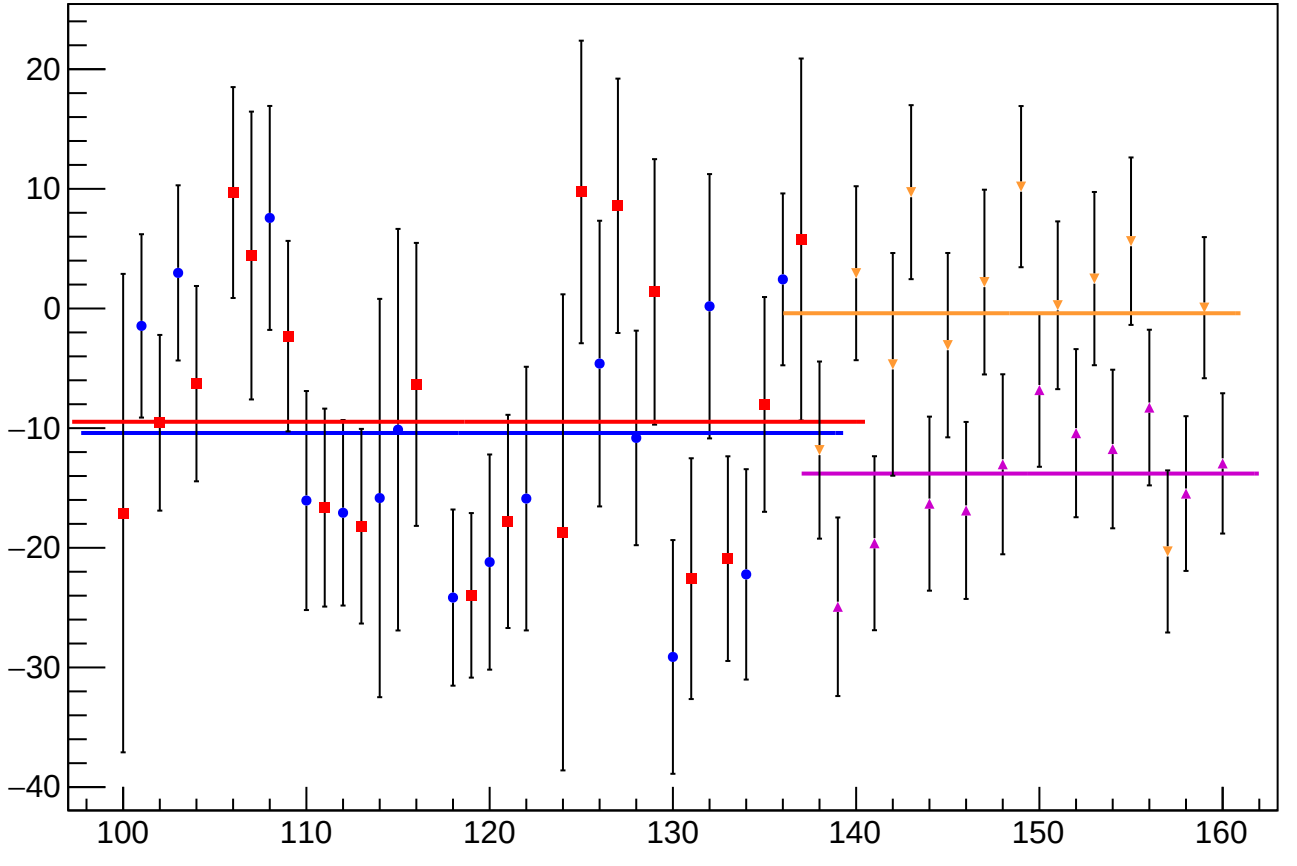
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1186.815+/-0.212 χ^2/NDF:2063215.1/26

Out: 1181.824+/-0.208 χ^2/NDF:1701393.2/30

All: 1184.274+/-0.148 χ^2/NDF: 3764891.2/57

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: -13.796+/-2.060 χ^2/NDF:5.5/10

Left: -7.125+/-1.460 χ^2/NDF: 43.6/22

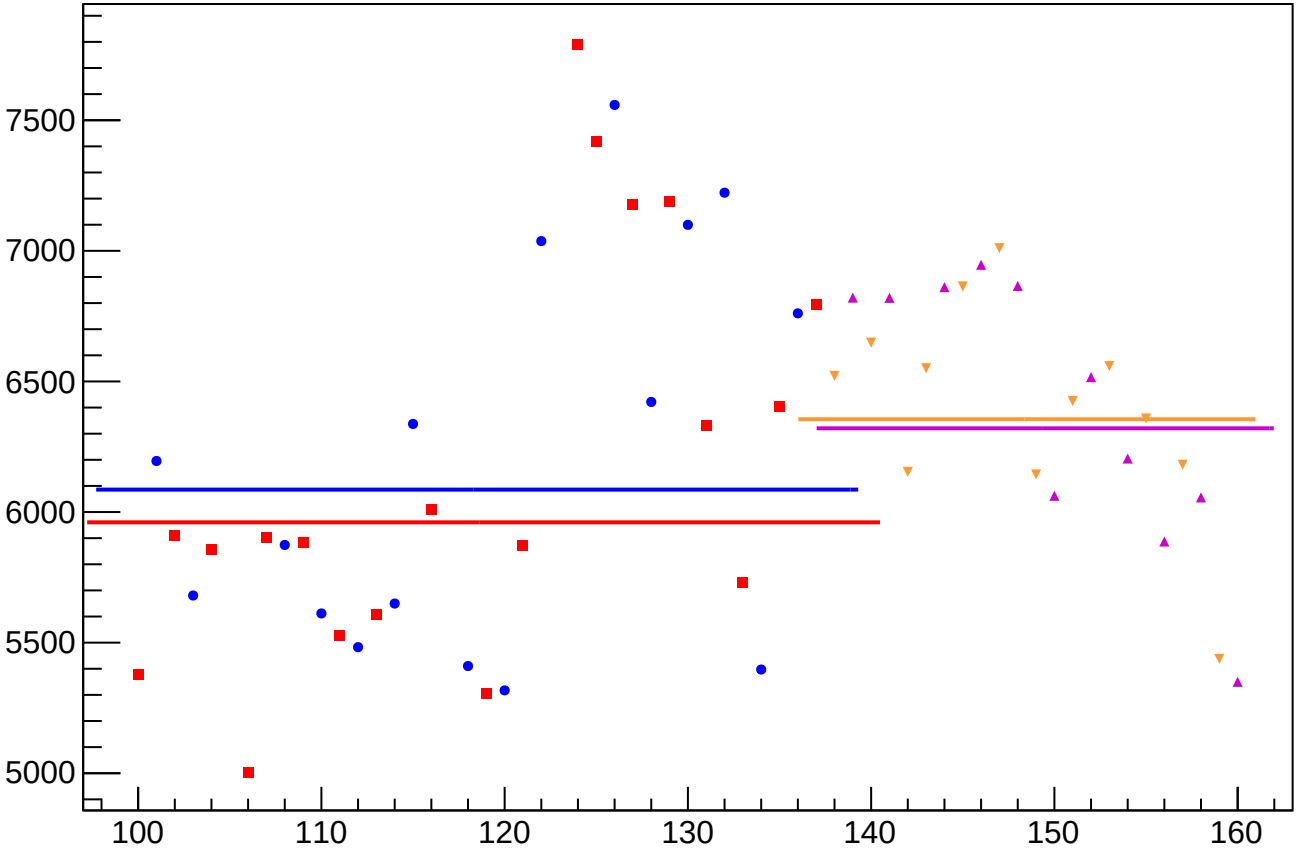
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.272+/-1.528 χ^2/NDF:31.3/26

Out: -4.671+/-1.504 χ^2/NDF:51.4/30

All: -8.411+/-1.072 χ^2/NDF: 95.3/57

diff_bpm0l05X_rms vs Slug, Sign Corrected



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: 6320.521+/-1.456 χ^2/NDF:126724.2/10

Left: 6337.848+/-1.032 χ^2/NDF: 210203.8/22

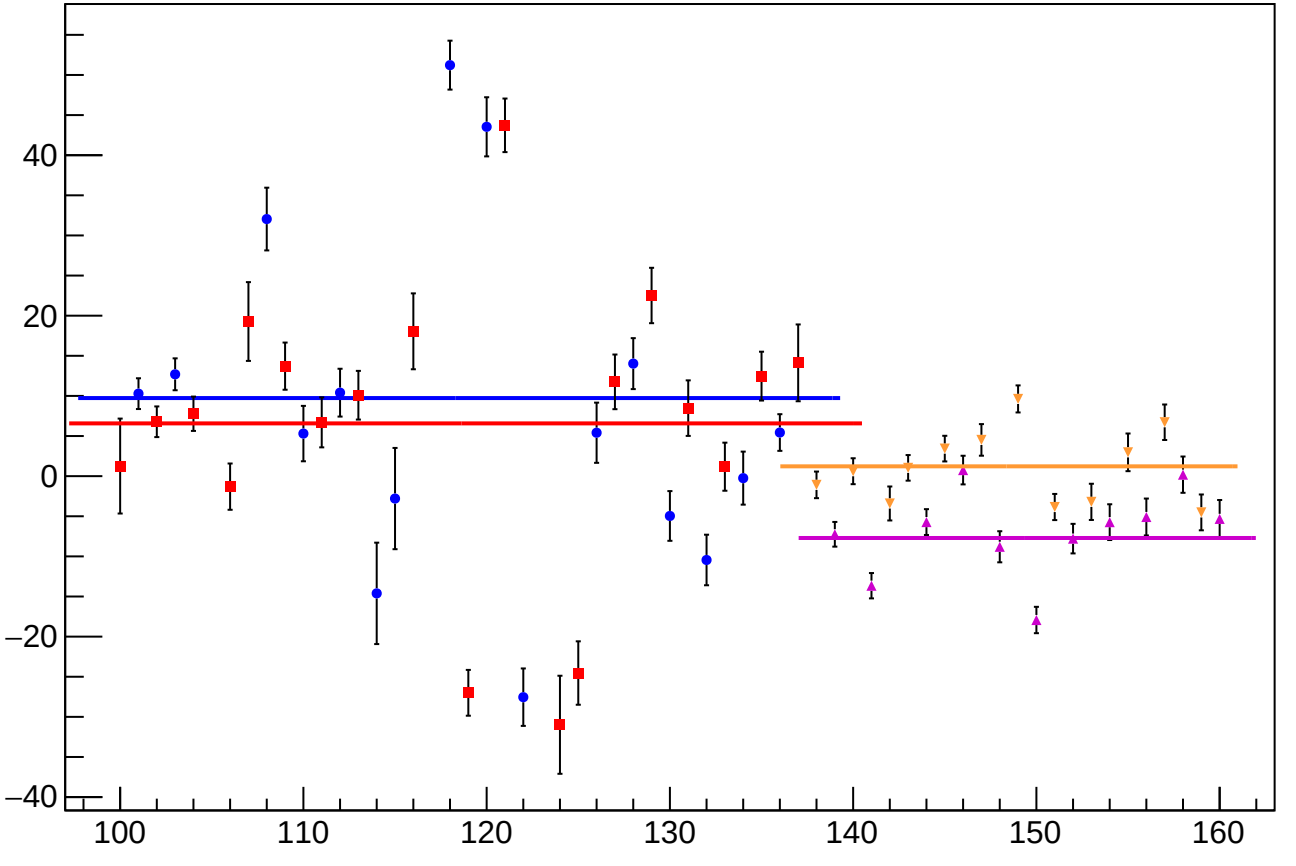
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6215.074+/-1.081 χ^2/NDF:317506.8/26

Out: 6169.286+/-1.064 χ^2/NDF:280286.6/30

All: 6191.813+/-0.758 χ^2/NDF: 598705.2/57

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: -7.707+/-0.557 χ^2/NDF:92.6/10

Left: -3.042+/-0.385 χ^2/NDF: 290.1/22

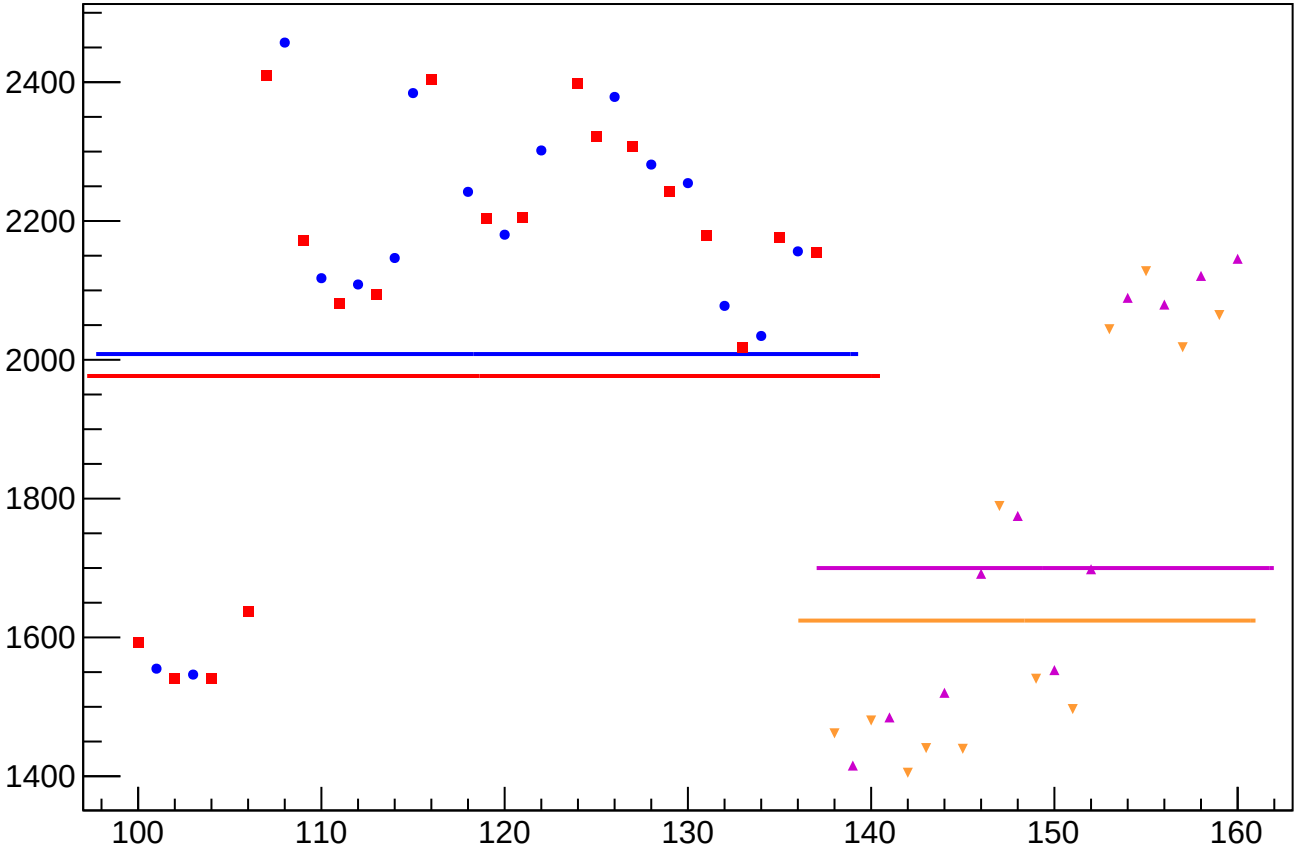
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.558+/-0.448 χ^2/NDF:950.5/26

Out: 3.082+/-0.430 χ^2/NDF:522.1/30

All: 0.856+/-0.310 χ^2/NDF: 1528.4/57

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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: 1699.938+/-0.394 χ^2/NDF:406362.1/10

Left: 1660.412+/-0.272 χ^2/NDF: 869110.6/22

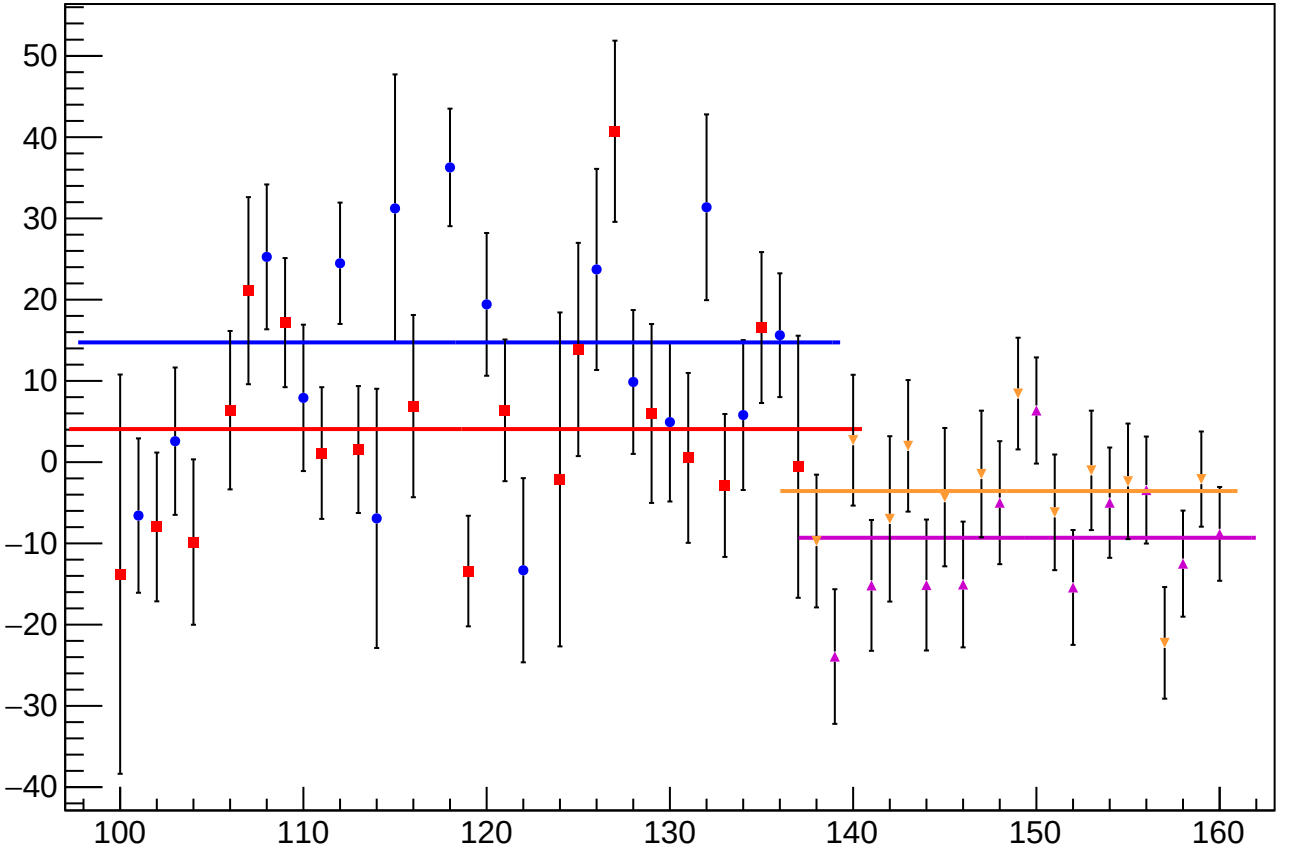
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1808.652+/-0.317 χ^2/NDF:966790.4/26

Out: 1746.647+/-0.304 χ^2/NDF:1112811.5/30

All: 1776.388+/-0.220 χ^2/NDF: 2099514.3/57

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: -9.308+/-2.126 χ^2/NDF:13.0/10

Left: -6.472+/-1.514 χ^2/NDF: 29.2/22

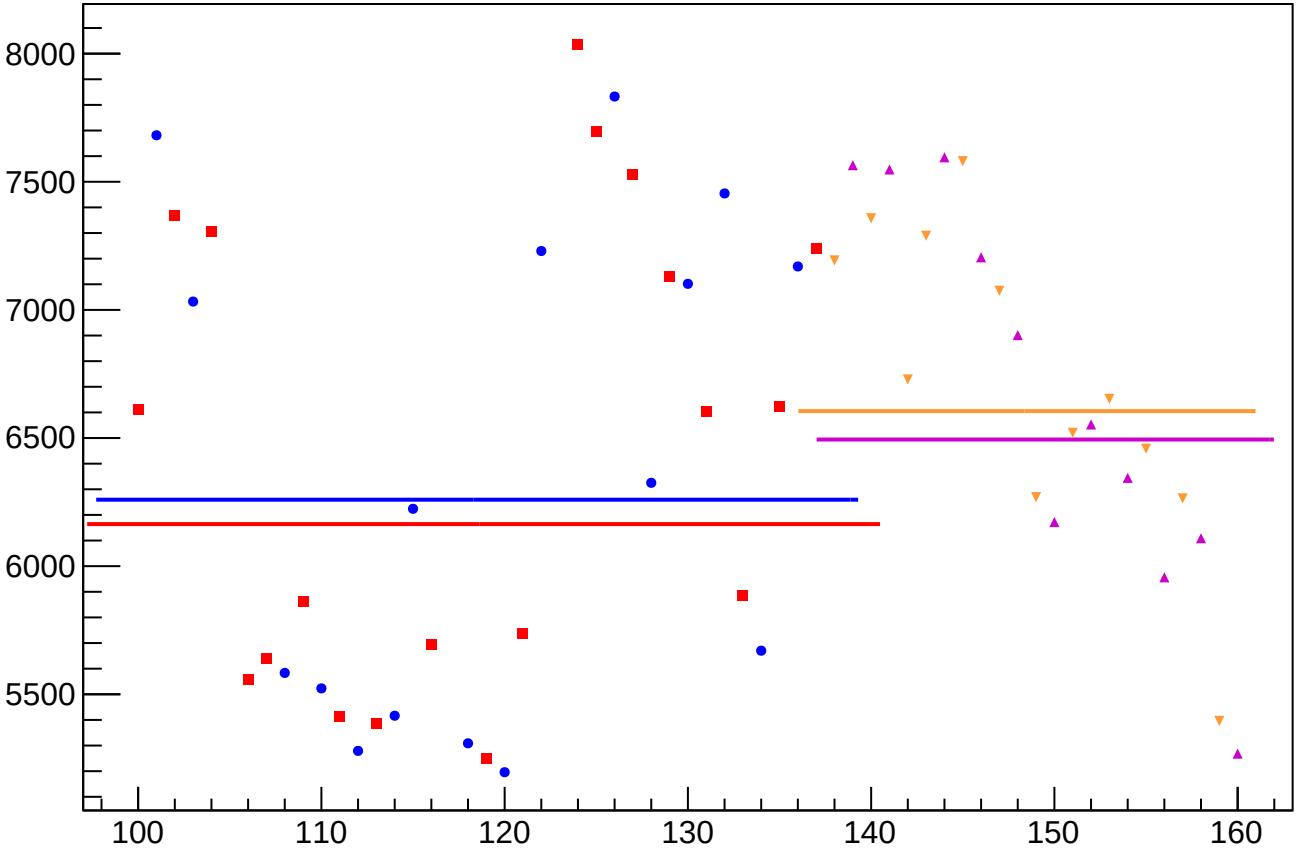
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 1.479+/-1.579 χ^2/NDF:103.9/26

Out: 0.056+/-1.565 χ^2/NDF:48.7/30

All: 0.761+/-1.111 χ^2/NDF: 153.0/57

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: 6494.179+/-1.504 χ^2/NDF:244021.3/10

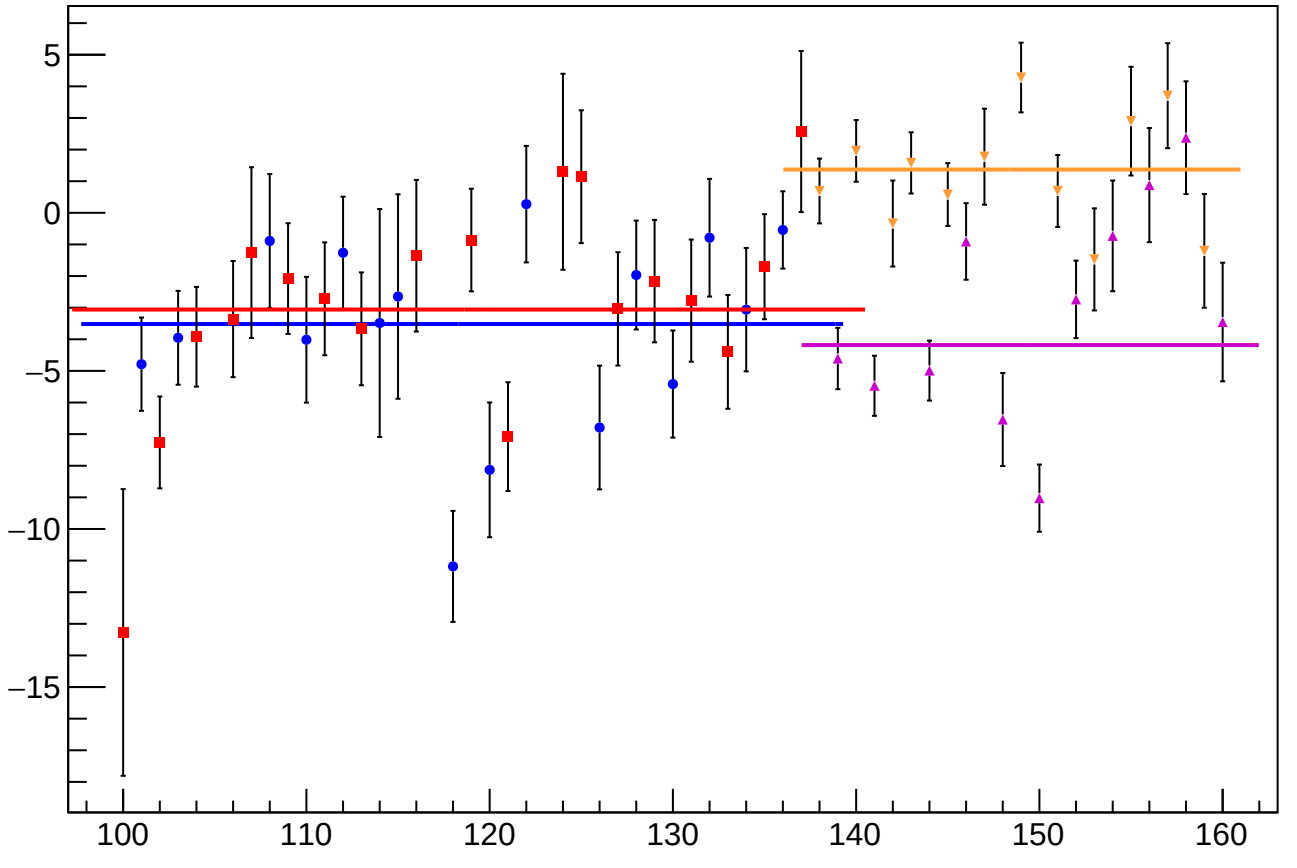
Left: 6548.906+/-1.071 χ^2/NDF: 418666.6/22

Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6388.869+/-1.117 χ^2/NDF:563563.2/26

Out: 6396.339+/-1.106 χ^2/NDF:476634.3/30

All: 6392.638+/-0.786 χ^2/NDF: 1040220.1/57



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: -4.183+/-0.372 χ^2/NDF:60.2/10

Left: -1.255+/-0.256 χ^2/NDF: 195.8/22

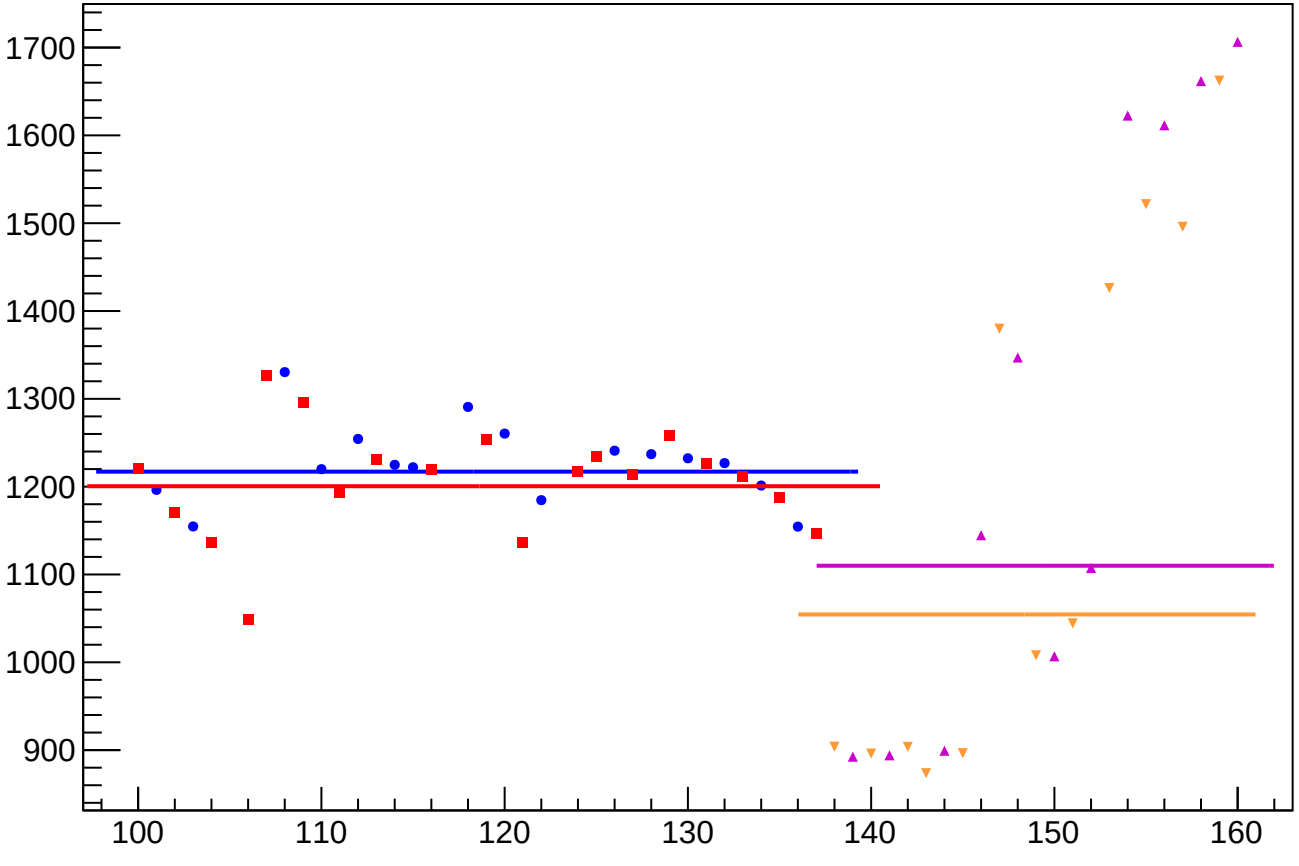
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.915+/-0.288 χ^2/NDF:106.6/26

Out: -0.371+/-0.275 χ^2/NDF:115.1/30

All: -2.062+/-0.199 χ^2/NDF: 301.1/57

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: 1109.967+/-0.263 χ^2/NDF:1094214.4/10

Left: 1080.706+/-0.181 χ^2/NDF: 2077327.5/22

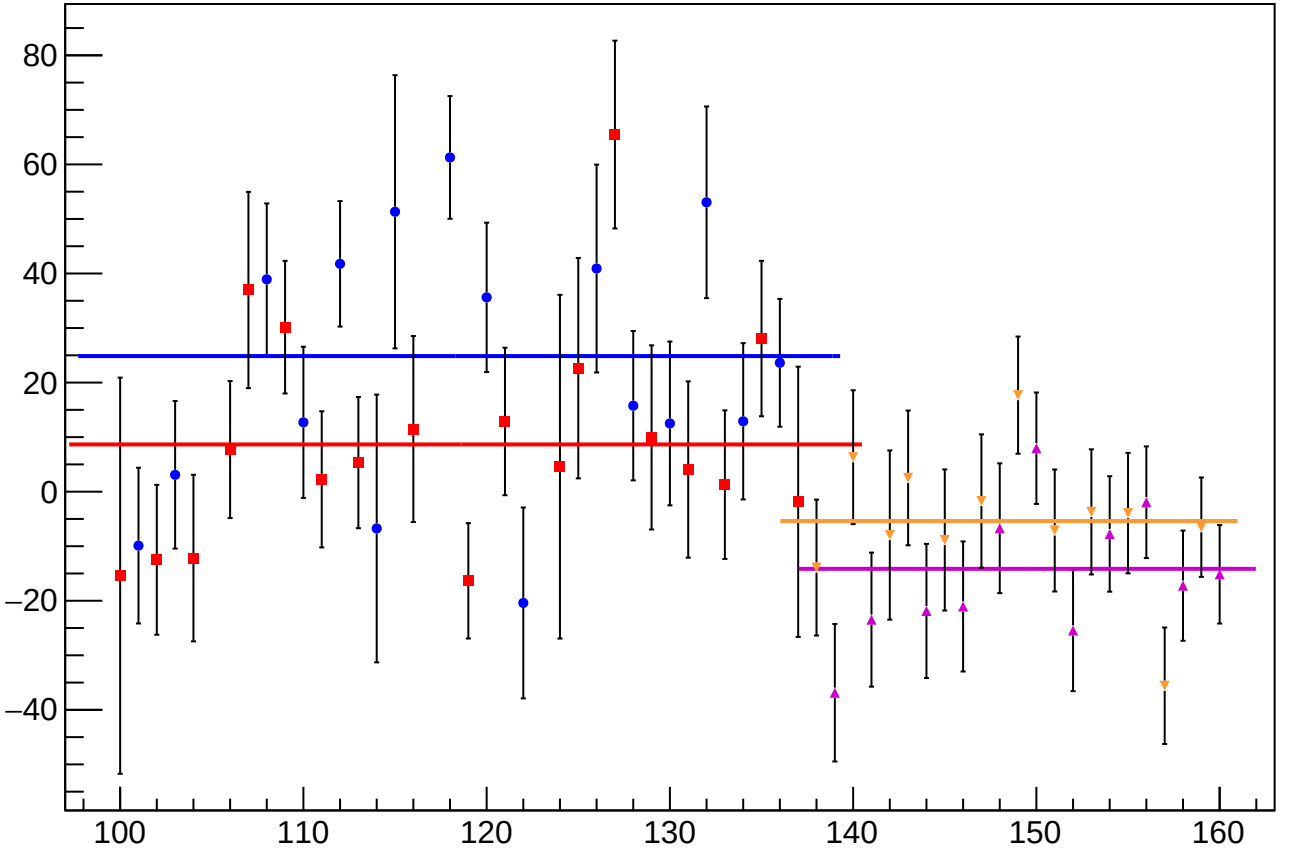
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1153.242+/-0.203 χ^2/NDF:1182741.2/26

Out: 1111.844+/-0.194 χ^2/NDF:1132099.8/30

All: 1131.601+/-0.140 χ^2/NDF: 2336512.4/57

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: -14.147+/-3.300 χ^2/NDF:12.5/10

Left: -9.815+/-2.347 χ^2/NDF: 30.7/22

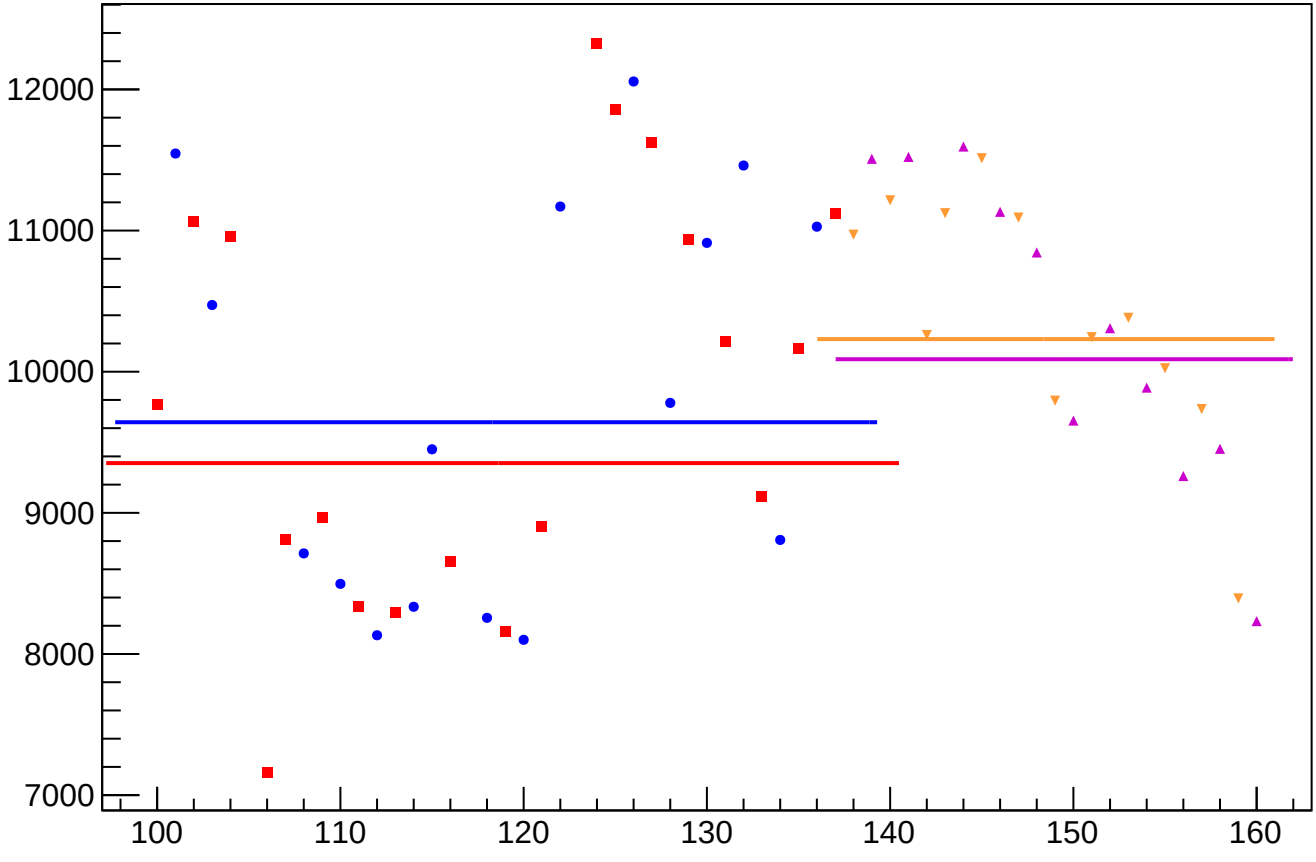
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 3.516+/-2.441 χ^2/NDF:113.9/26

Out: 1.399+/-2.400 χ^2/NDF:53.3/30

All: 2.439+/-1.712 χ^2/NDF: 167.7/57

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: 10088.594+/-2.334 χ^2/NDF:216620.8/10

Left: 10159.020+/-1.660 χ^2/NDF: 368290.8/22

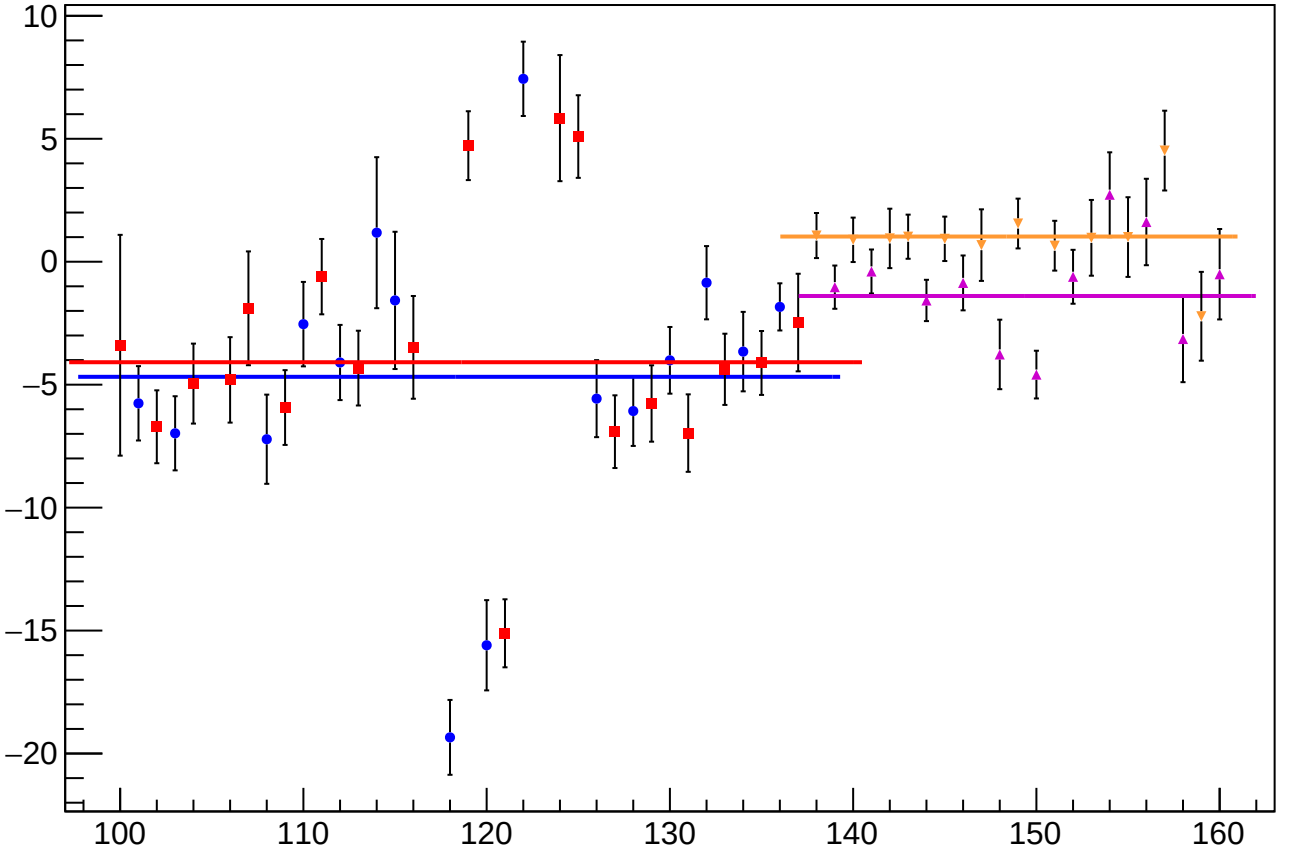
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9886.406+/-1.726 χ^2/NDF:512855.9/26

Out: 9806.727+/-1.697 χ^2/NDF:518519.4/30

All: 9845.891+/-1.210 χ^2/NDF: 1032458.7/57

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: -1.394+/-0.344 χ^2/NDF:25.7/10

Left: -0.114+/-0.236 χ^2/NDF: 60.2/22

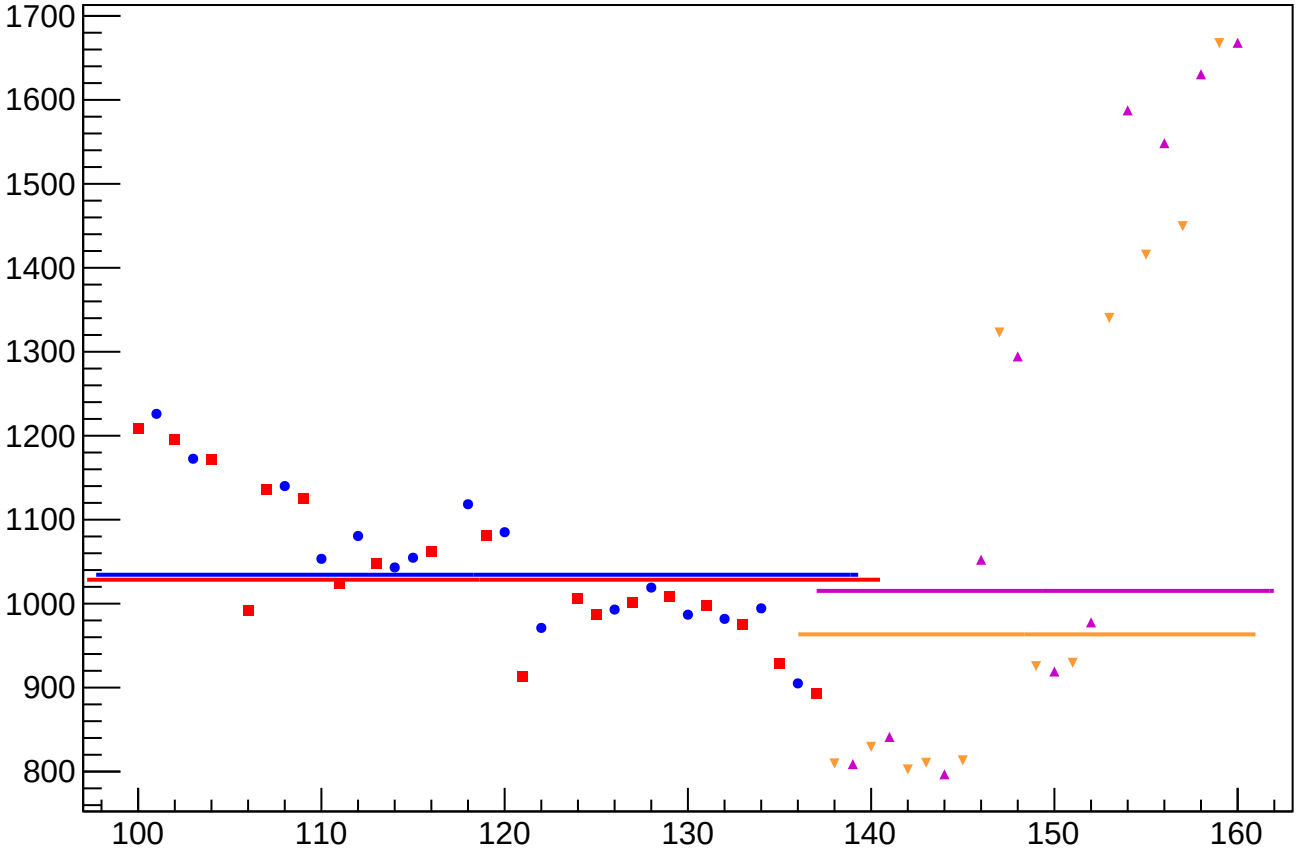
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.850+/-0.257 χ^2/NDF:287.3/26

Out: -1.157+/-0.246 χ^2/NDF:282.1/30

All: -1.967+/-0.178 χ^2/NDF: 592.1/57

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: 1015.223+/-0.243 χ^2/NDF:1325629.4/10

Left: 987.808+/-0.167 χ^2/NDF: 2484909.1/22

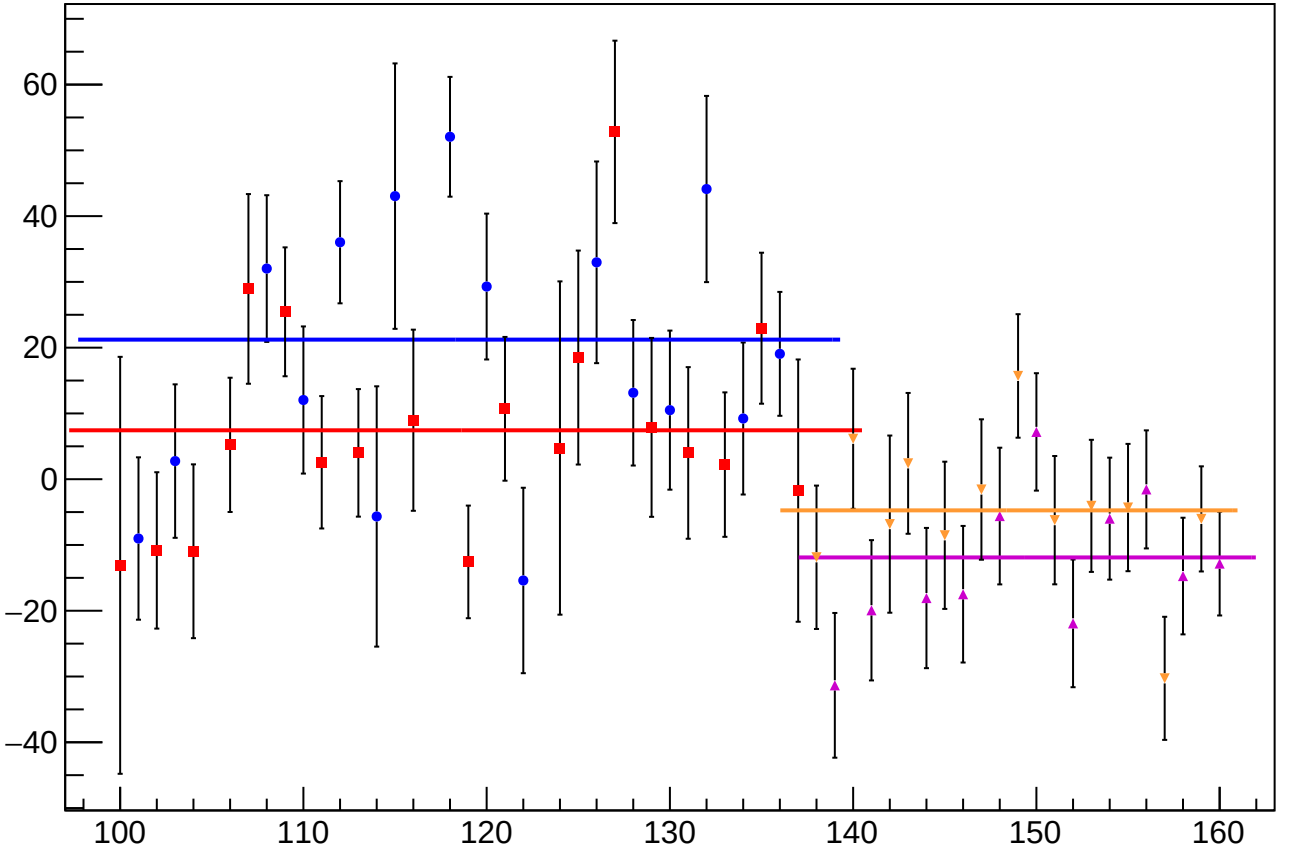
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1023.724+/-0.182 χ^2/NDF:1441660.3/26

Out: 991.186+/-0.174 χ^2/NDF:1271217.8/30

All: 1006.747+/-0.126 χ^2/NDF: 2729626.6/57

diff_bpm0l08X_mean vs Slug, Sign Corrected



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: -11.895+/-2.883 χ^2/NDF:12.2/10

Left: -8.356+/-2.049 χ^2/NDF: 29.6/22

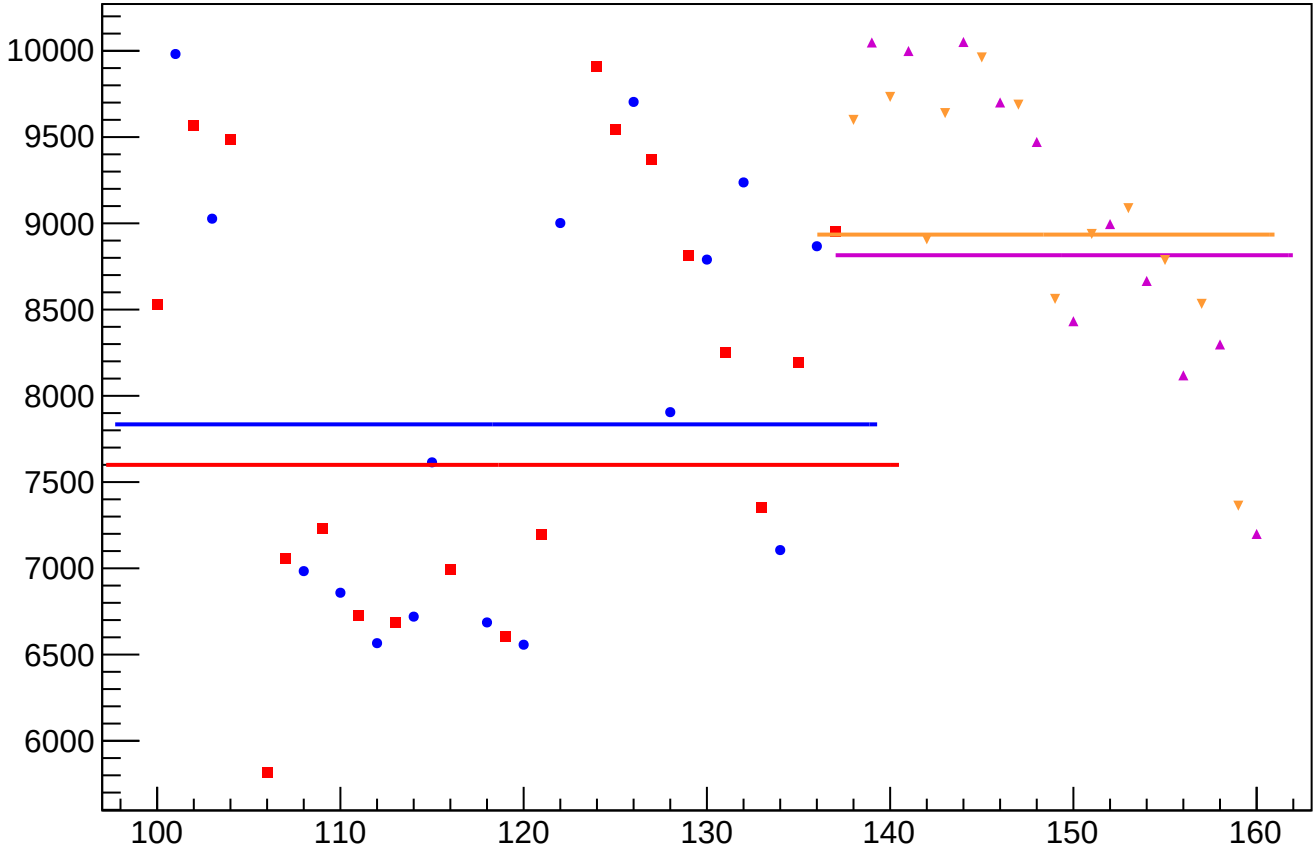
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 4.271+/-2.062 χ^2/NDF:116.7/26

Out: 1.569+/-2.023 χ^2/NDF:53.2/30

All: 2.894+/-1.444 χ^2/NDF: 170.8/57

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: 8815.123+/-2.038 χ^2/NDF:206725.0/10

Left: 8874.295+/-1.449 χ^2/NDF: 347658.1/22

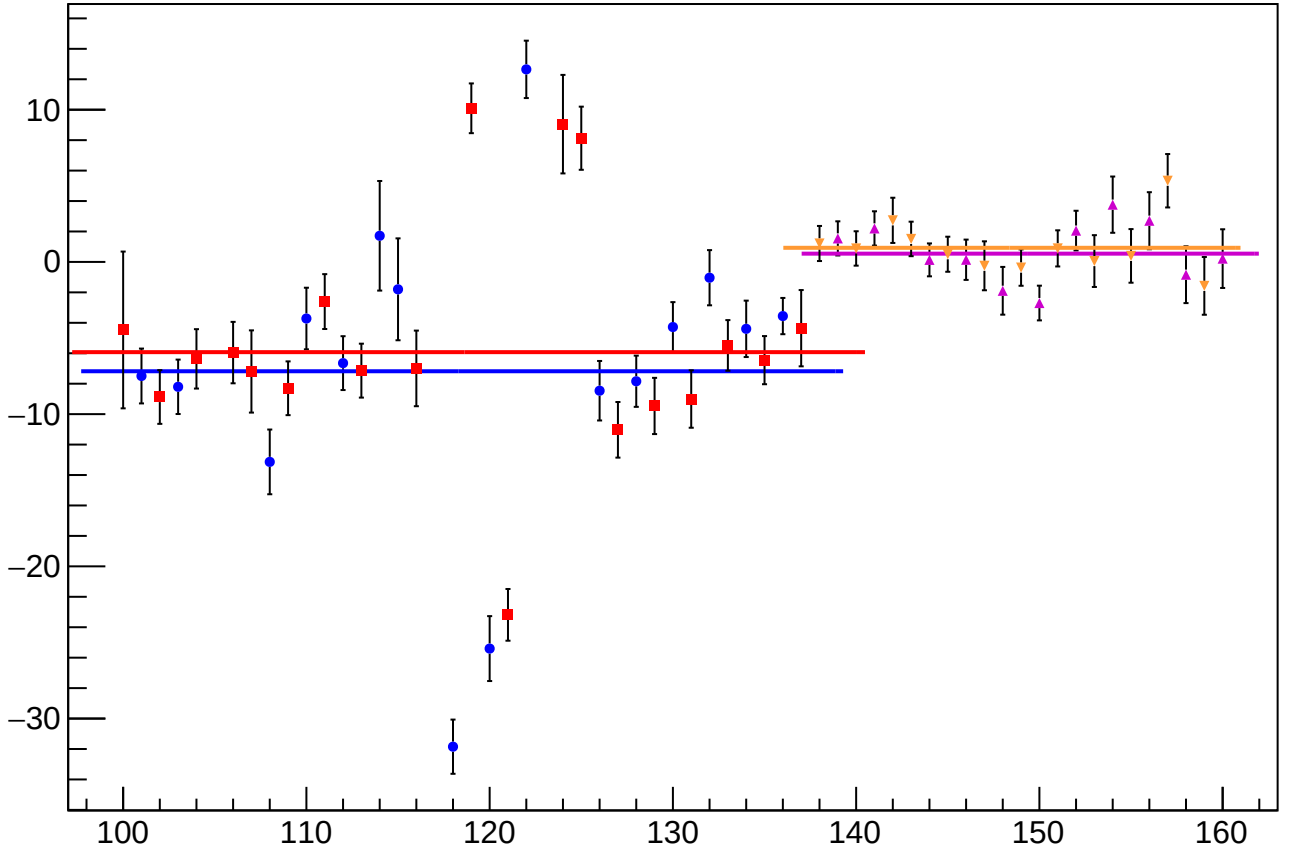
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8336.504+/-1.458 χ^2/NDF:637771.3/26

Out: 8243.020+/-1.430 χ^2/NDF:701000.2/30

All: 8288.861+/-1.021 χ^2/NDF: 1340865.8/57

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: 0.544+/-0.412 χ^2/NDF:20.0/10

Left: 0.746+/-0.283 χ^2/NDF: 32.5/22

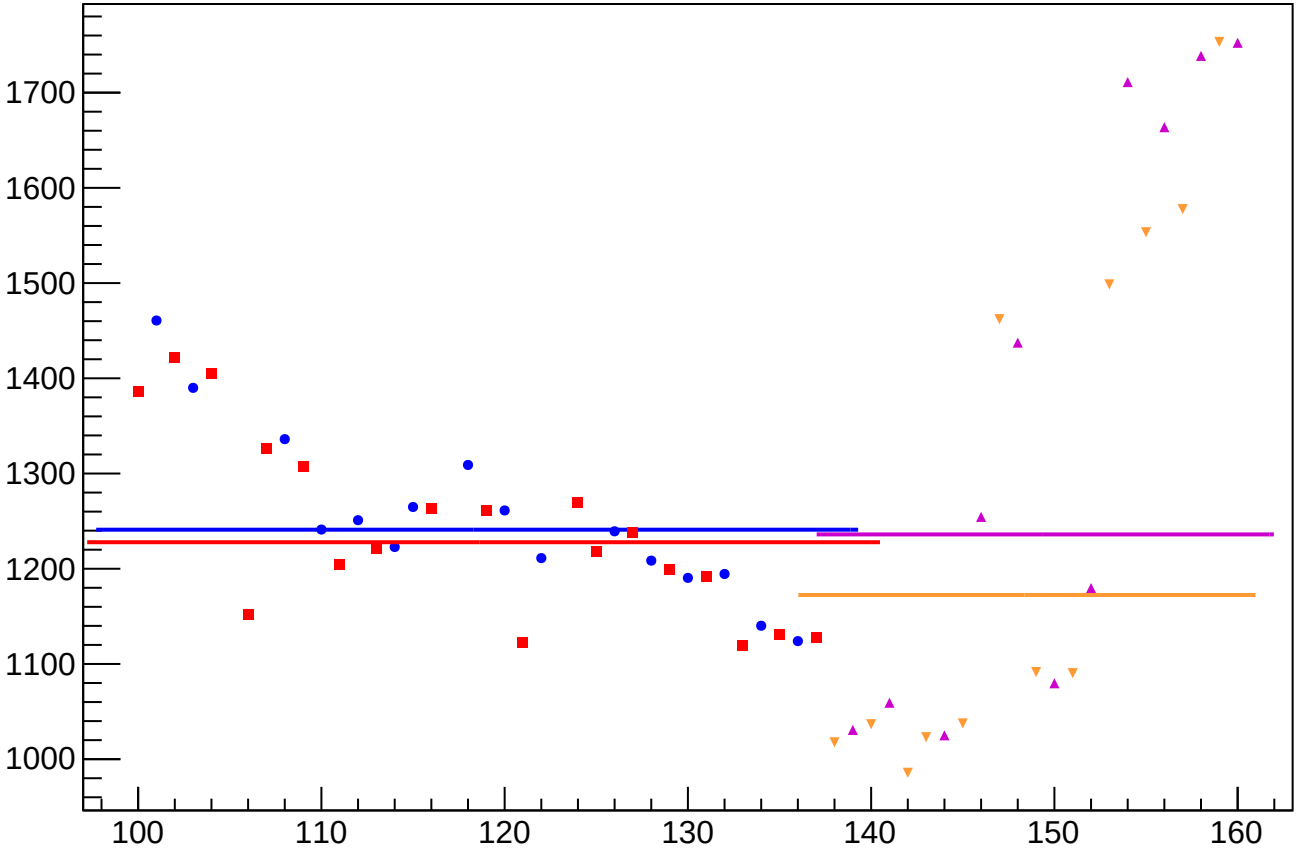
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.872+/-0.307 χ^2/NDF:598.1/26

Out: -2.015+/-0.294 χ^2/NDF:435.4/30

All: -2.425+/-0.213 χ^2/NDF: 1037.5/57

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: 1236.067+/-0.291 χ^2/NDF:791758.7/10

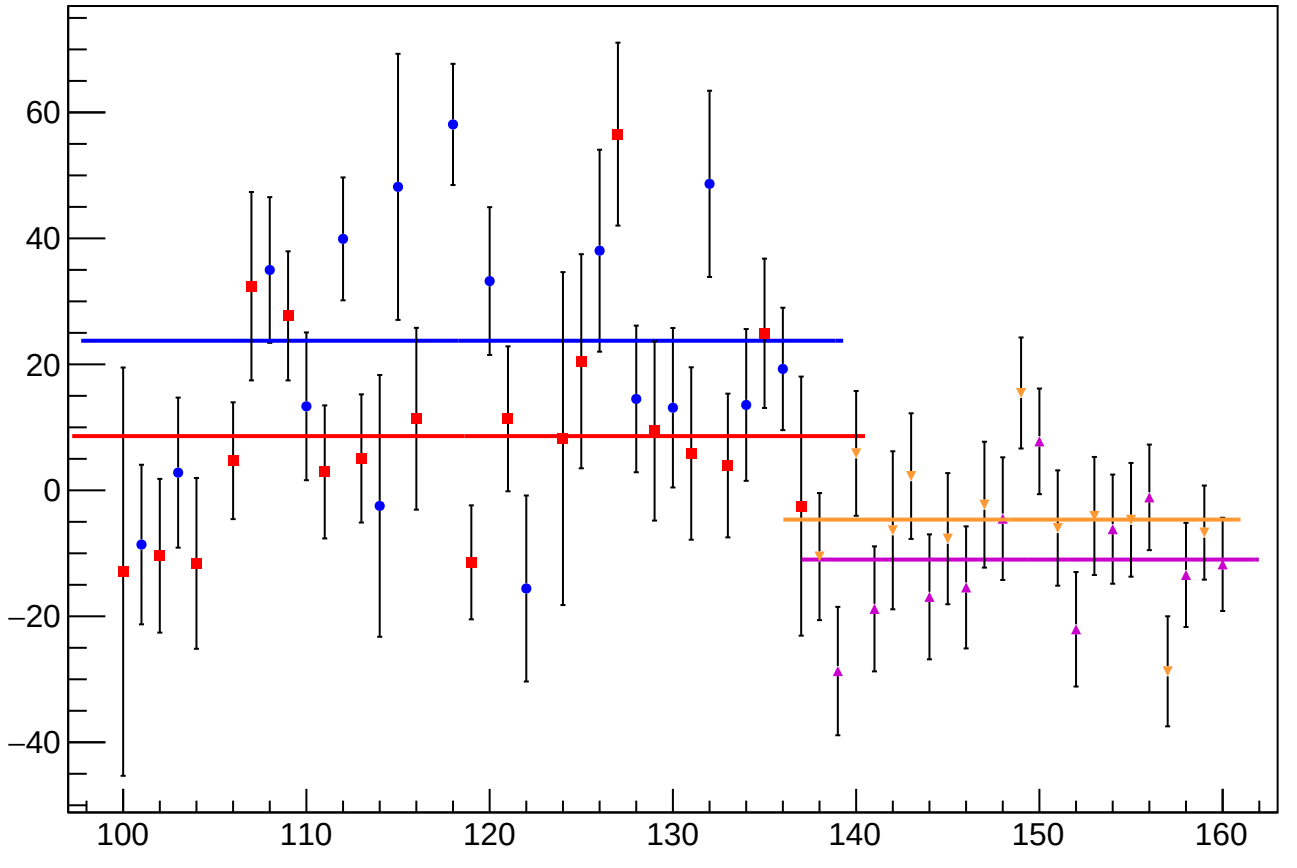
Left: 1202.513+/-0.200 χ^2/NDF: 1520552.3/22

Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1238.250+/-0.217 χ^2/NDF:872539.6/26

Out: 1196.235+/-0.208 χ^2/NDF:803296.2/30

All: 1216.328+/-0.150 χ^2/NDF: 1695332.8/57



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: -10.993+/-2.693 χ^2/NDF:12.9/10

Left: -7.852+/-1.914 χ^2/NDF: 30.7/22

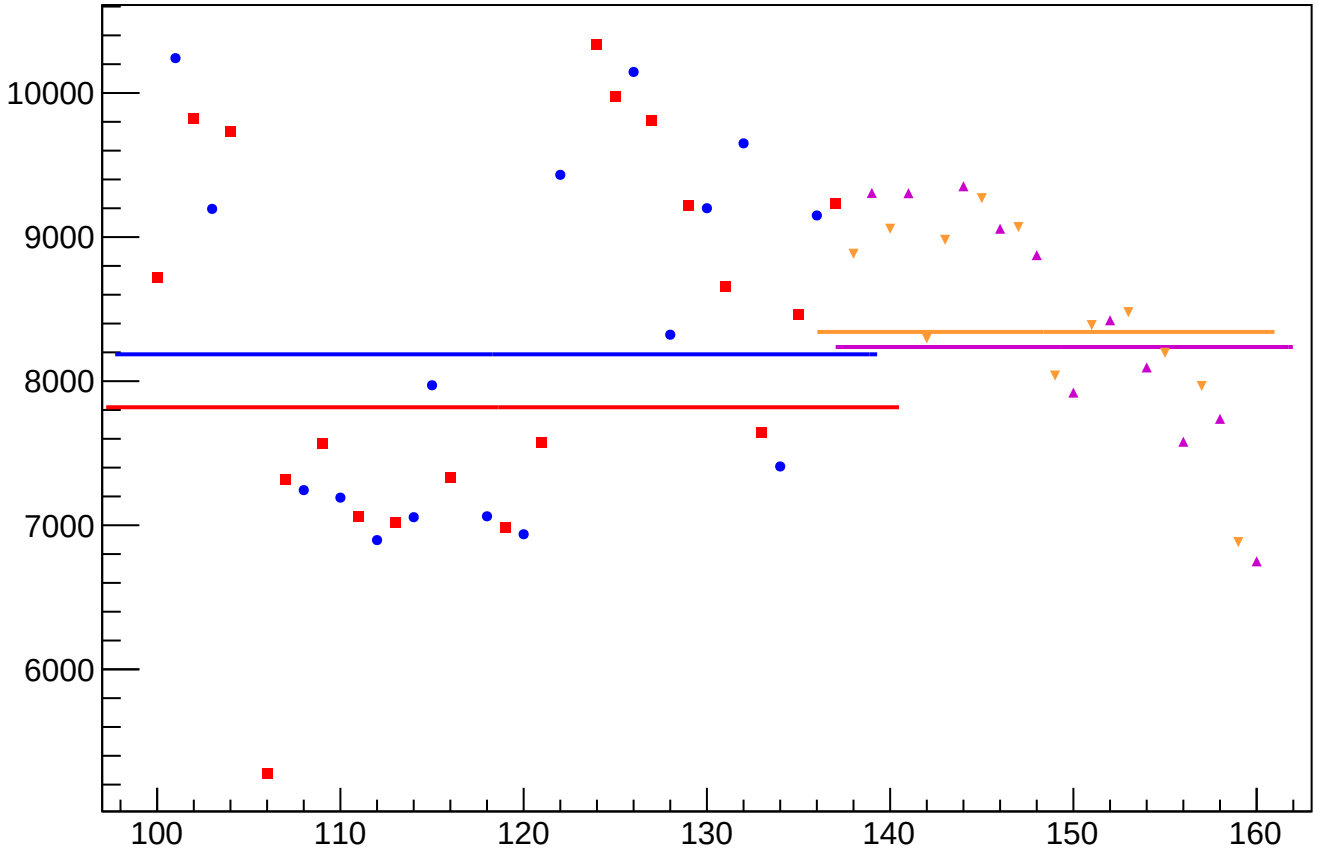
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 4.050+/-2.028 χ^2/NDF:128.4/26

Out: 1.560+/-1.984 χ^2/NDF:56.6/30

All: 2.778+/-1.418 χ^2/NDF: 185.8/57

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: 8237.166+/-1.904 χ^2/NDF:197986.6/10

Left: 8288.942+/-1.353 χ^2/NDF: 333733.8/22

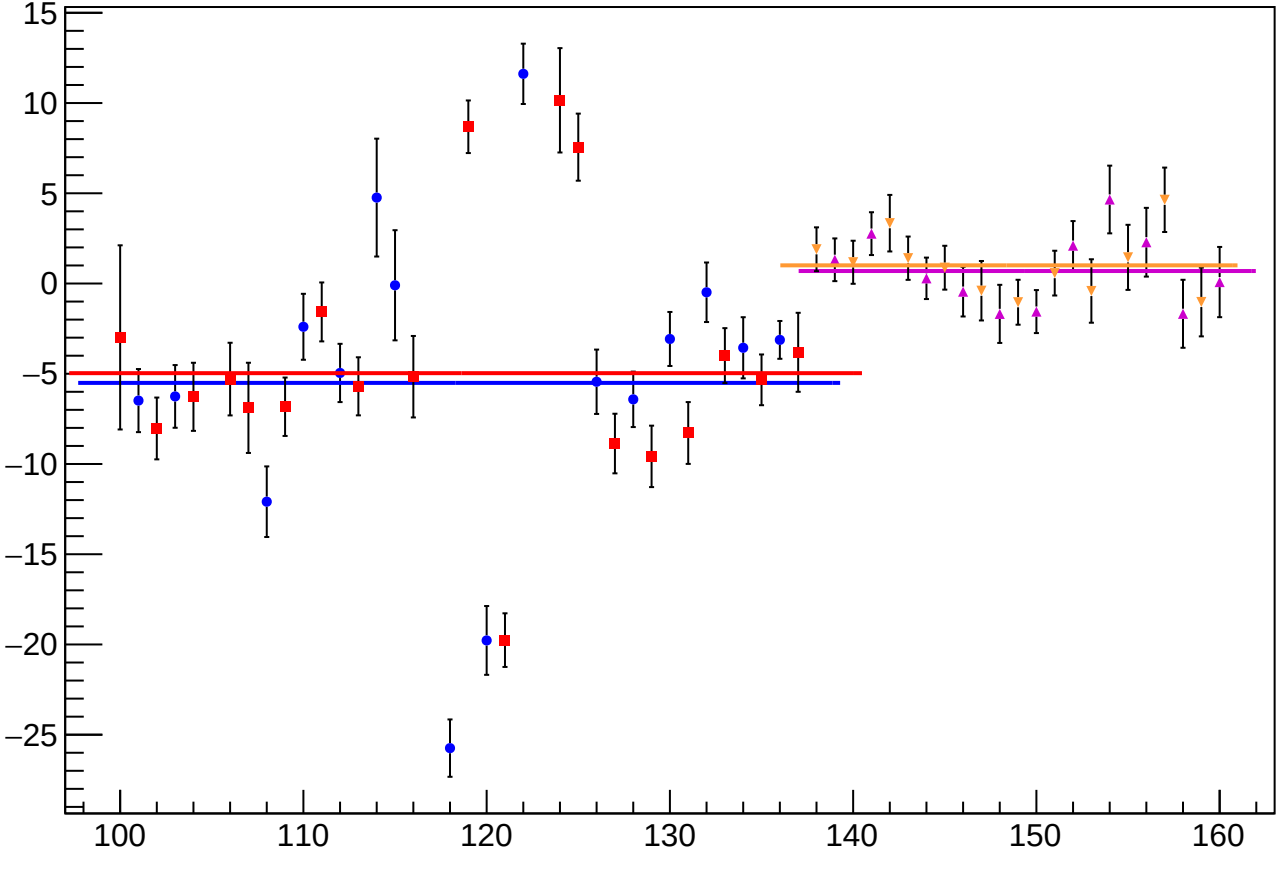
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8215.168+/-1.434 χ^2/NDF:488923.7/26

Out: 8096.985+/-1.403 χ^2/NDF:591841.9/30

All: 8154.783+/-1.003 χ^2/NDF: 1084237.2/57

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: 0.692+/-0.429 χ^2/NDF:17.8/10

Left: 0.858+/-0.295 χ^2/NDF: 30.5/22

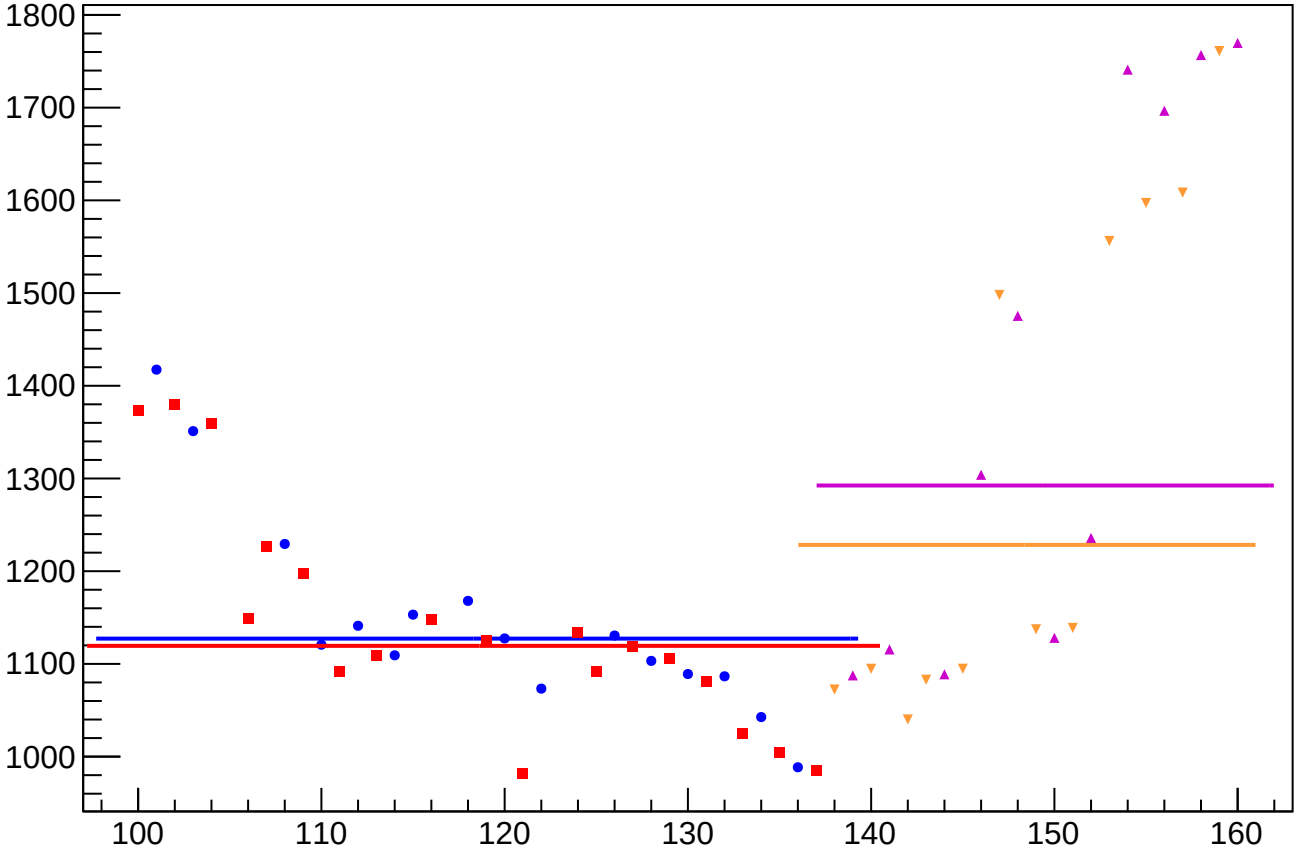
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.463+/-0.300 χ^2/NDF:494.1/26

Out: -1.954+/-0.289 χ^2/NDF:406.7/30

All: -2.198+/-0.208 χ^2/NDF: 902.2/57

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: 1292.439+/-0.303 χ^2/NDF:680962.2/10

Left: 1258.736+/-0.209 χ^2/NDF: 1320018.1/22

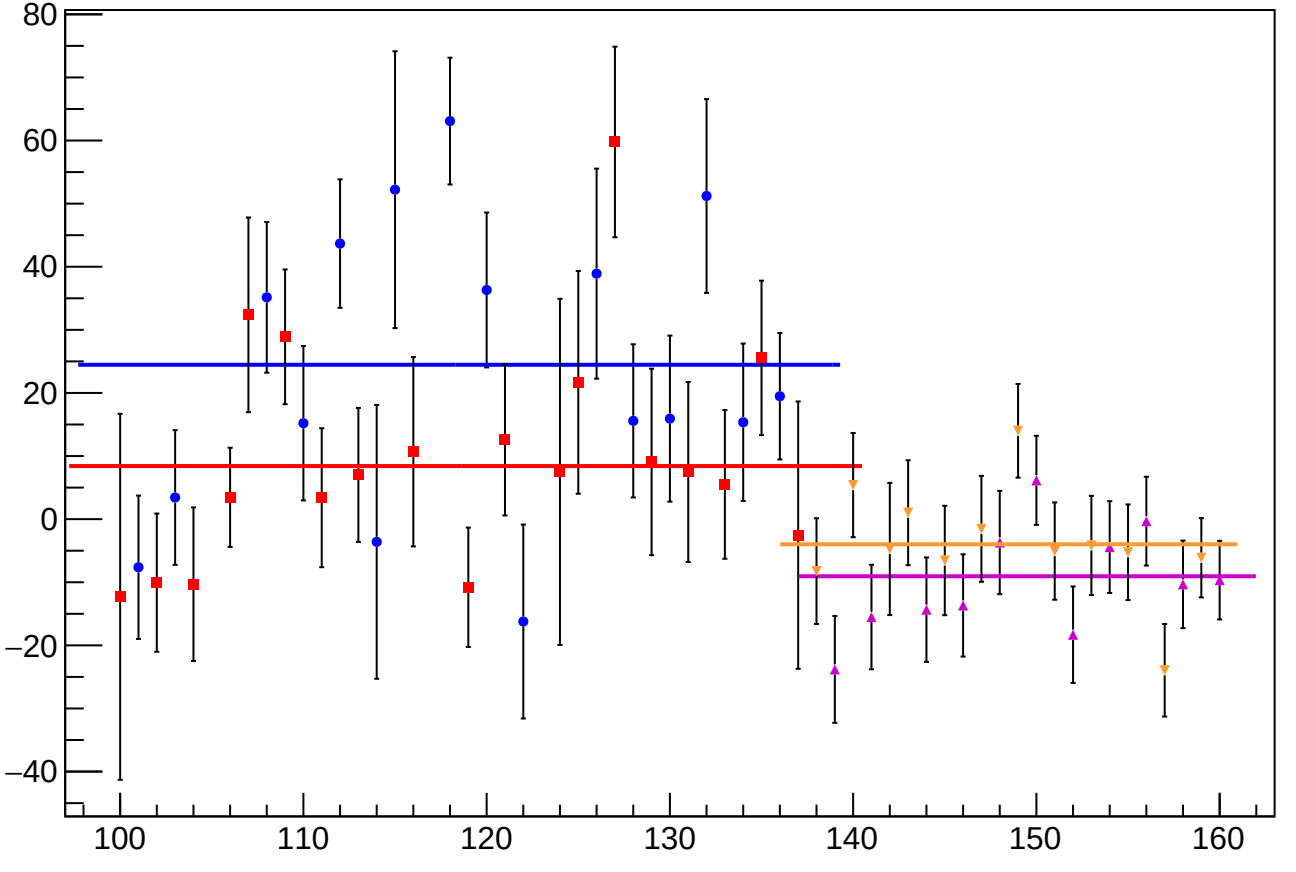
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1208.382+/-0.212 χ^2/NDF:972788.5/26

Out: 1174.408+/-0.204 χ^2/NDF:827333.1/30

All: 1190.738+/-0.147 χ^2/NDF: 1813418.9/57

diff_bpm0l10X_mean vs Slug, Sign Corrected



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: -9.049+/-2.258 χ^2/NDF:12.9/10

Left: -6.536+/-1.604 χ^2/NDF: 30.9/22

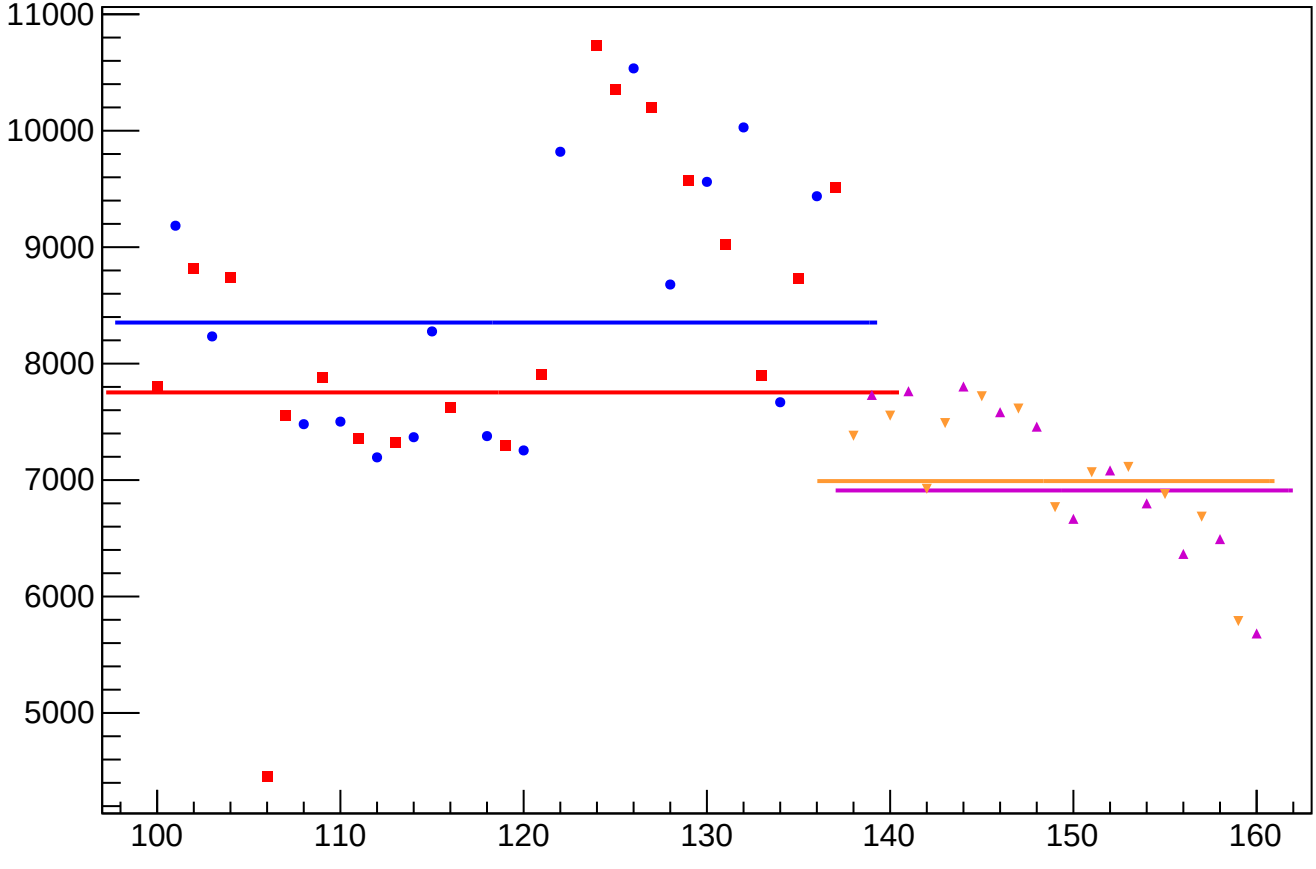
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 2.394+/-1.833 χ^2/NDF:136.4/26

Out: 0.772+/-1.790 χ^2/NDF:58.0/30

All: 1.564+/-1.280 χ^2/NDF: 194.8/57

diff_bpm0l10X_rms vs Slug, Sign Corrected



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: 6910.782+/-1.597 χ^2/NDF:186756.2/10

Left: 6950.636+/-1.134 χ^2/NDF: 313573.6/22

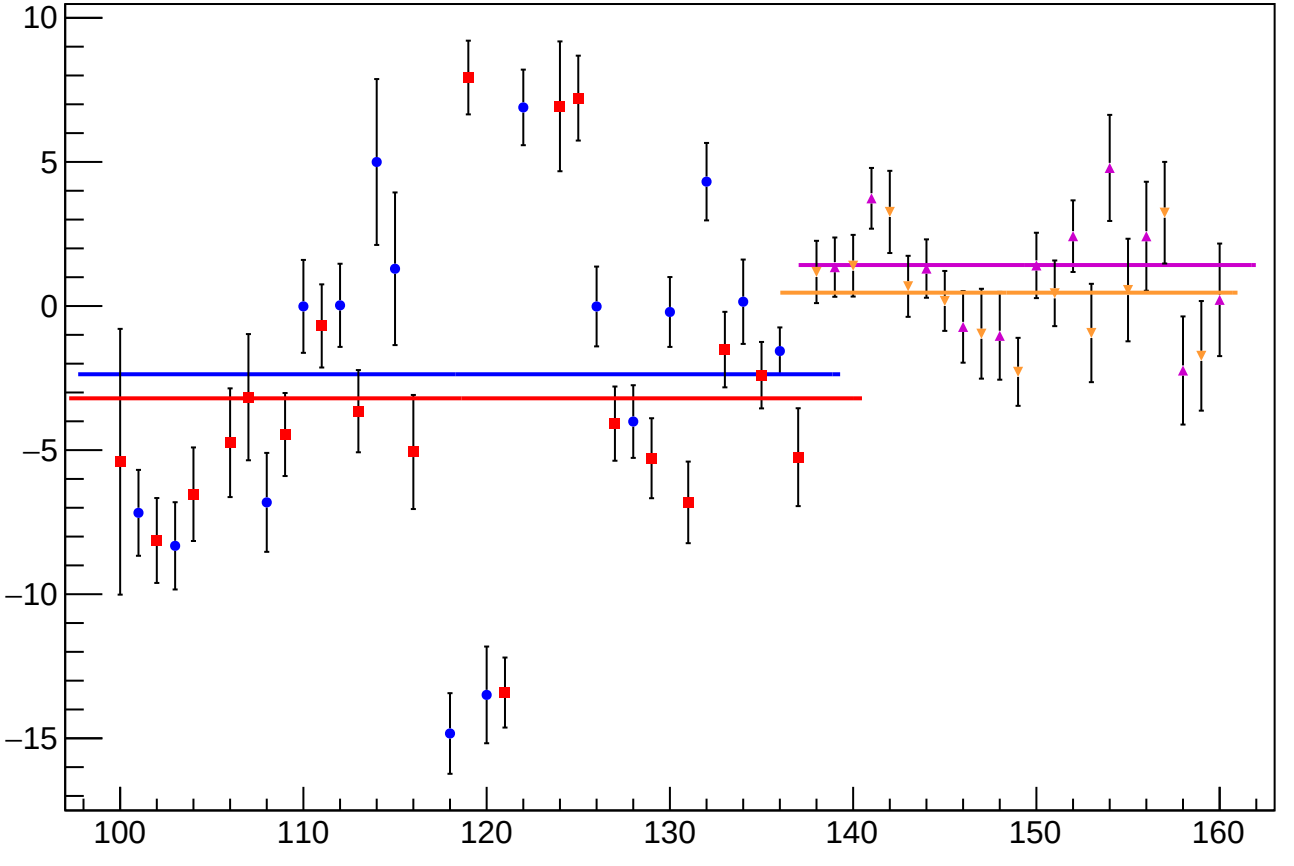
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7403.136+/-1.296 χ^2/NDF:685618.4/26

Out: 7283.103+/-1.266 χ^2/NDF:799194.9/30

All: 7341.704+/-0.905 χ^2/NDF: 1489204.7/57

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: 1.422+/-0.394 χ^2/NDF:18.9/10

Left: 0.917+/-0.271 χ^2/NDF: 37.9/22

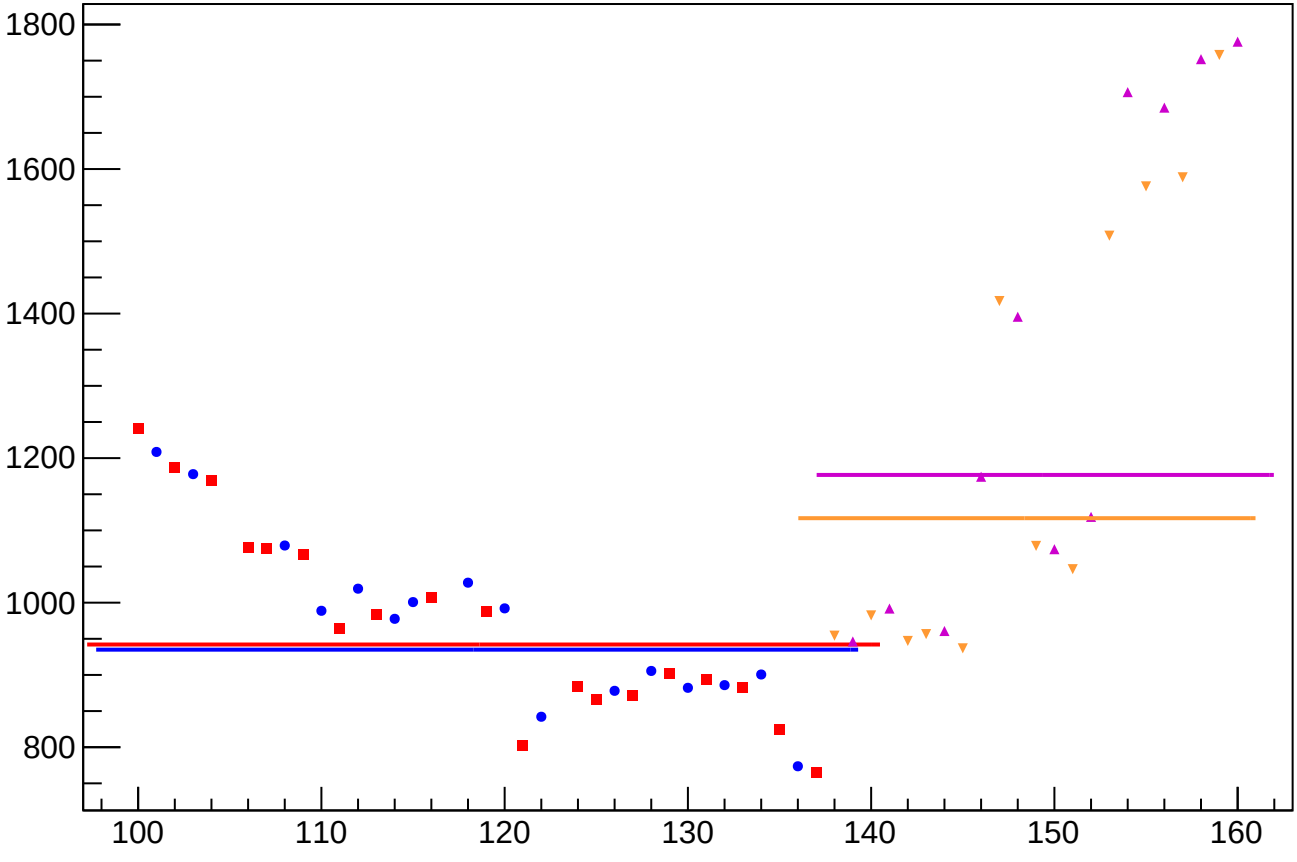
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.693+/-0.262 χ^2/NDF:326.1/26

Out: -1.504+/-0.254 χ^2/NDF:318.3/30

All: -1.111+/-0.182 χ^2/NDF: 649.4/57

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: 1176.747+/-0.279 χ^2/NDF:1001343.2/10

Left: 1145.172+/-0.191 χ^2/NDF: 1929261.2/22

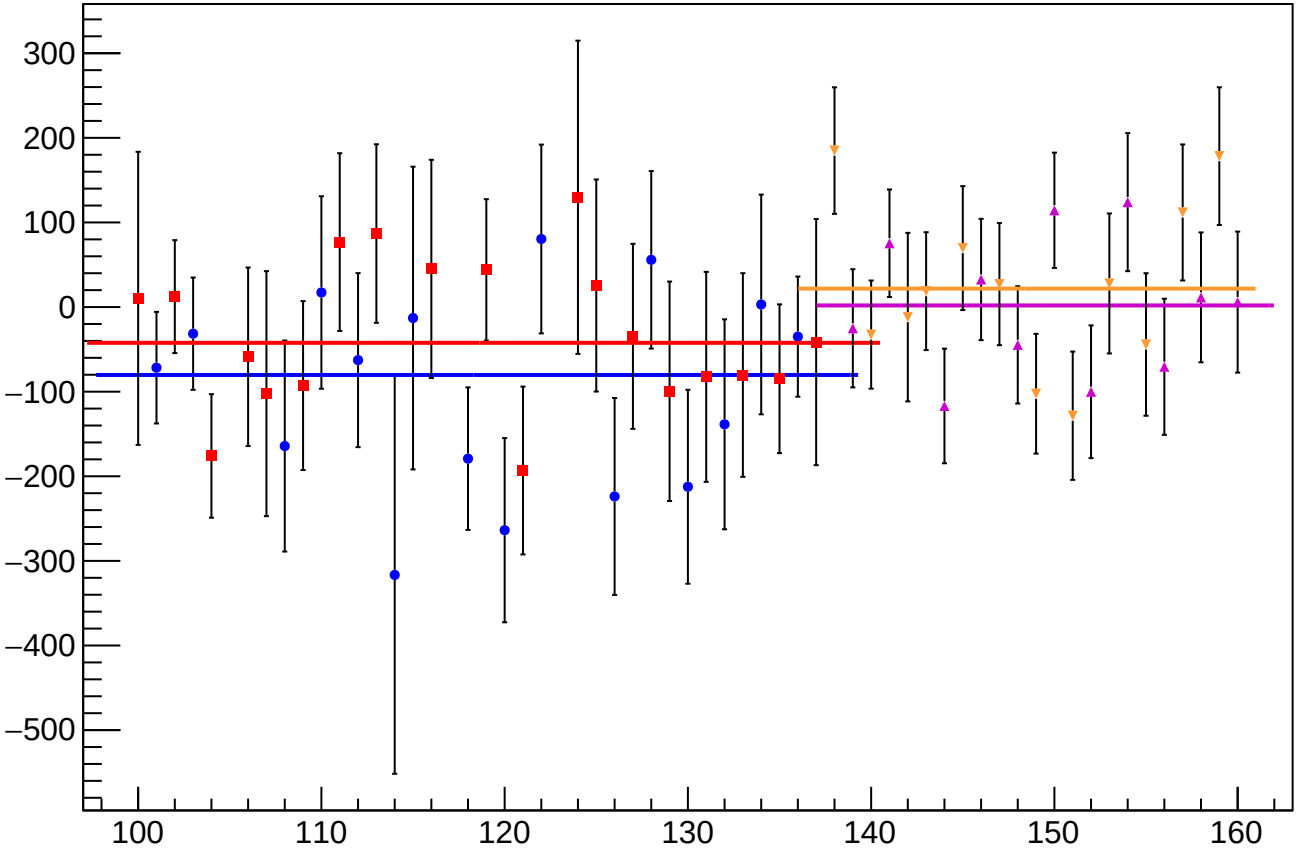
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1041.788+/-0.185 χ^2/NDF:1676243.8/26

Out: 1023.083+/-0.179 χ^2/NDF:1372017.6/30

All: 1032.142+/-0.129 χ^2/NDF: 3053524.5/57

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: 1.906+/-21.982 χ^2/NDF:12.7/10

Left: 11.871+/-15.532 χ^2/NDF: 31.7/22

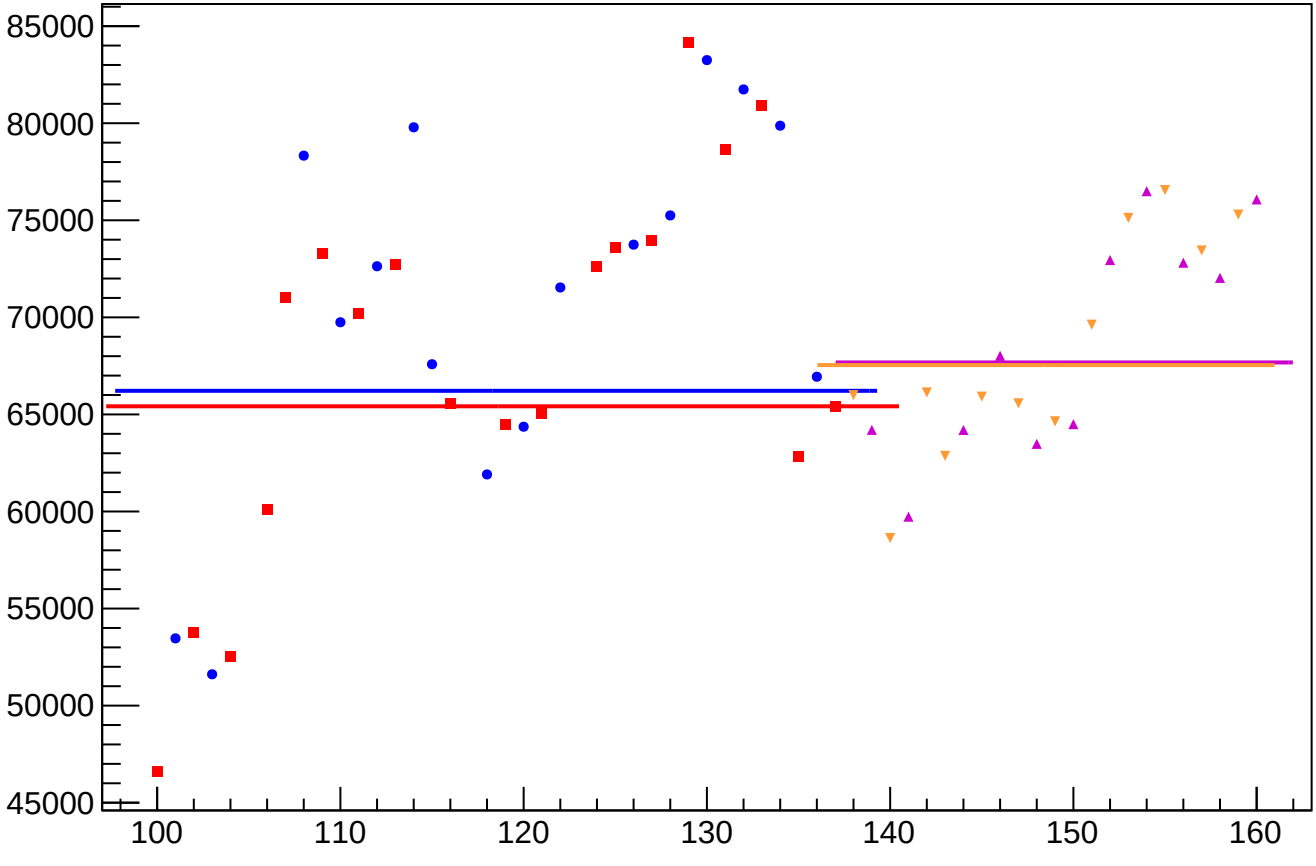
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -34.064+/-16.482 χ^2/NDF:33.6/26

Out: -7.185+/-16.242 χ^2/NDF:35.5/30

All: -20.427+/-11.569 χ^2/NDF: 70.4/57

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: 67677.192+/-15.544 χ^2/NDF:120499.7/10

Left: 67609.186+/-10.983 χ^2/NDF: 245696.6/22

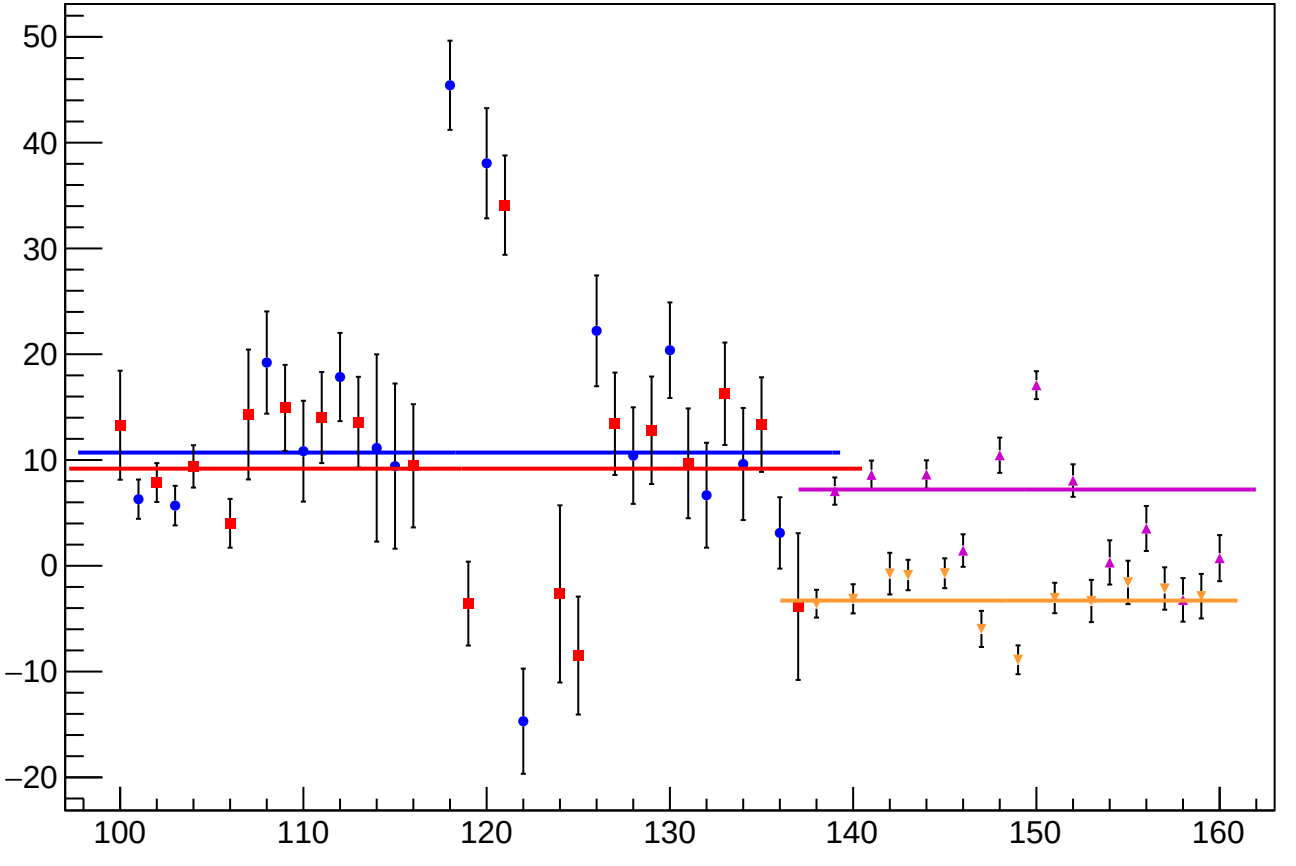
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 67037.497+/-11.654 χ^2/NDF:462745.8/26

Out: 66580.785+/-11.485 χ^2/NDF:438179.4/30

All: 66805.788+/-8.180 χ^2/NDF: 901704.3/57

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: 7.209+/-0.478 χ^2/NDF:124.7/10

Left: 1.788+/-0.332 χ^2/NDF: 402.6/22

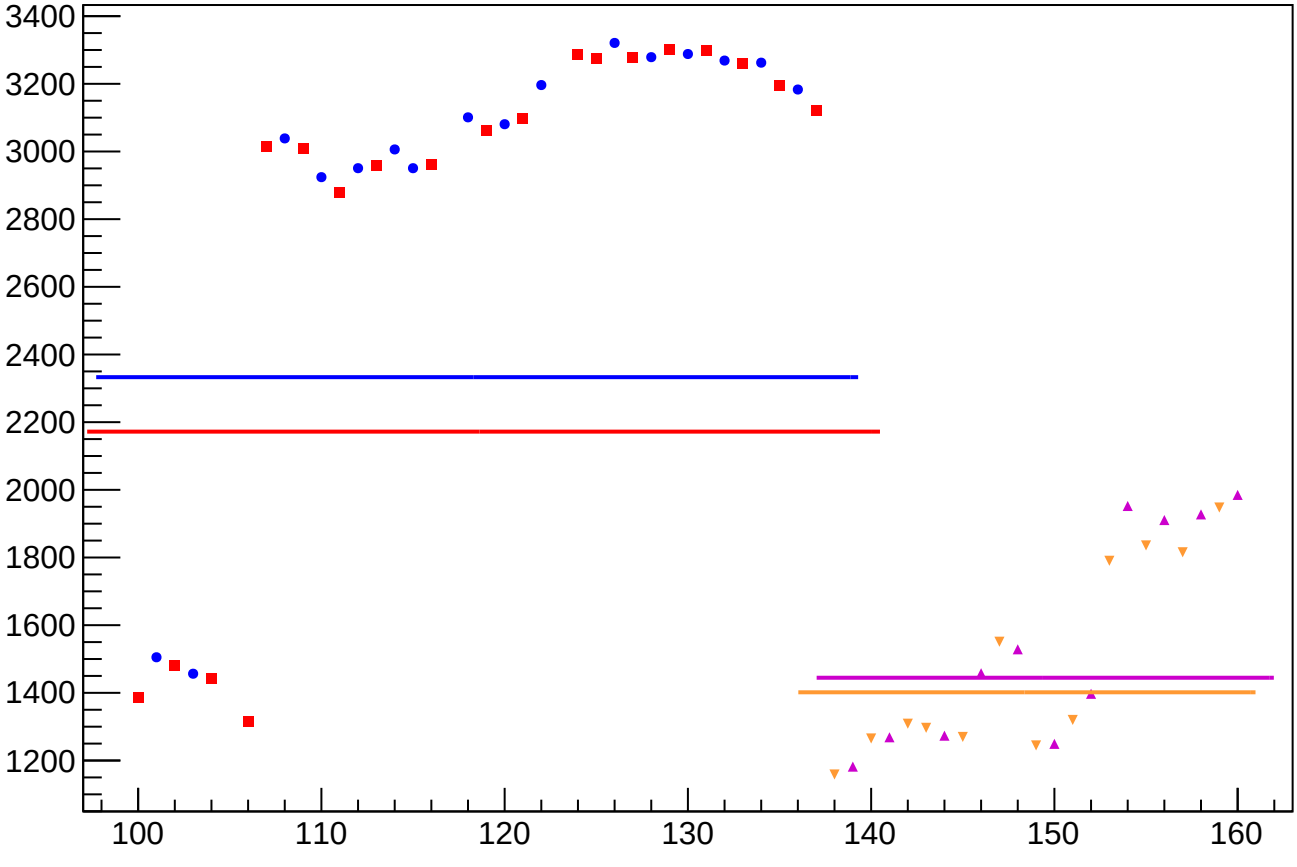
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.951+/-0.424 χ^2/NDF:291.6/26

Out: -0.444+/-0.406 χ^2/NDF:264.1/30

All: 3.572+/-0.293 χ^2/NDF: 760.2/57

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: 1444.643+/-0.338 χ^2/NDF:647619.1/10

Left: 1422.428+/-0.235 χ^2/NDF: 1210403.3/22

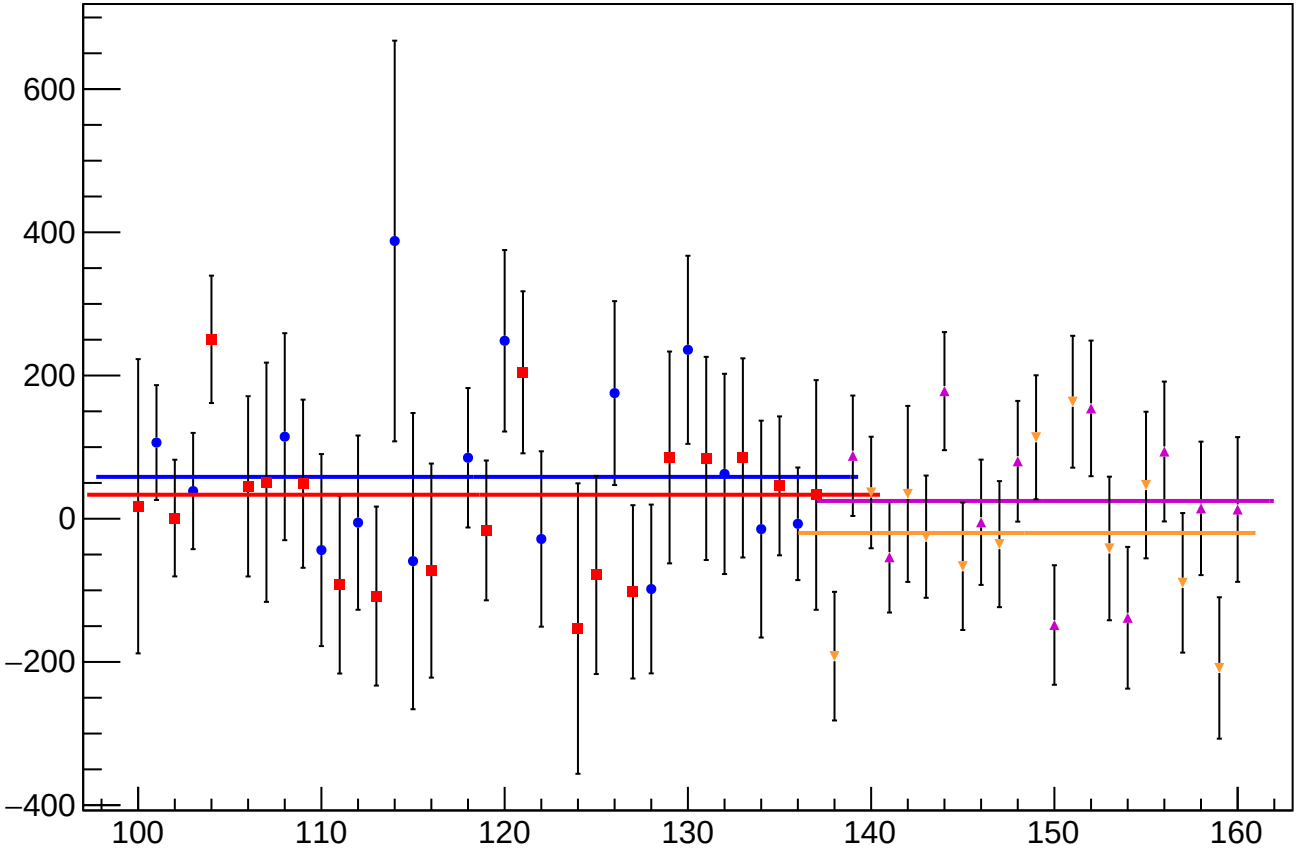
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1633.042+/-0.300 χ^2/NDF:3766661.6/26

Out: 1577.355+/-0.287 χ^2/NDF:3806450.5/30

All: 1603.998+/-0.207 χ^2/NDF: 7591112.5/57

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: 24.845+/-26.703 χ^2/NDF:15.0/10

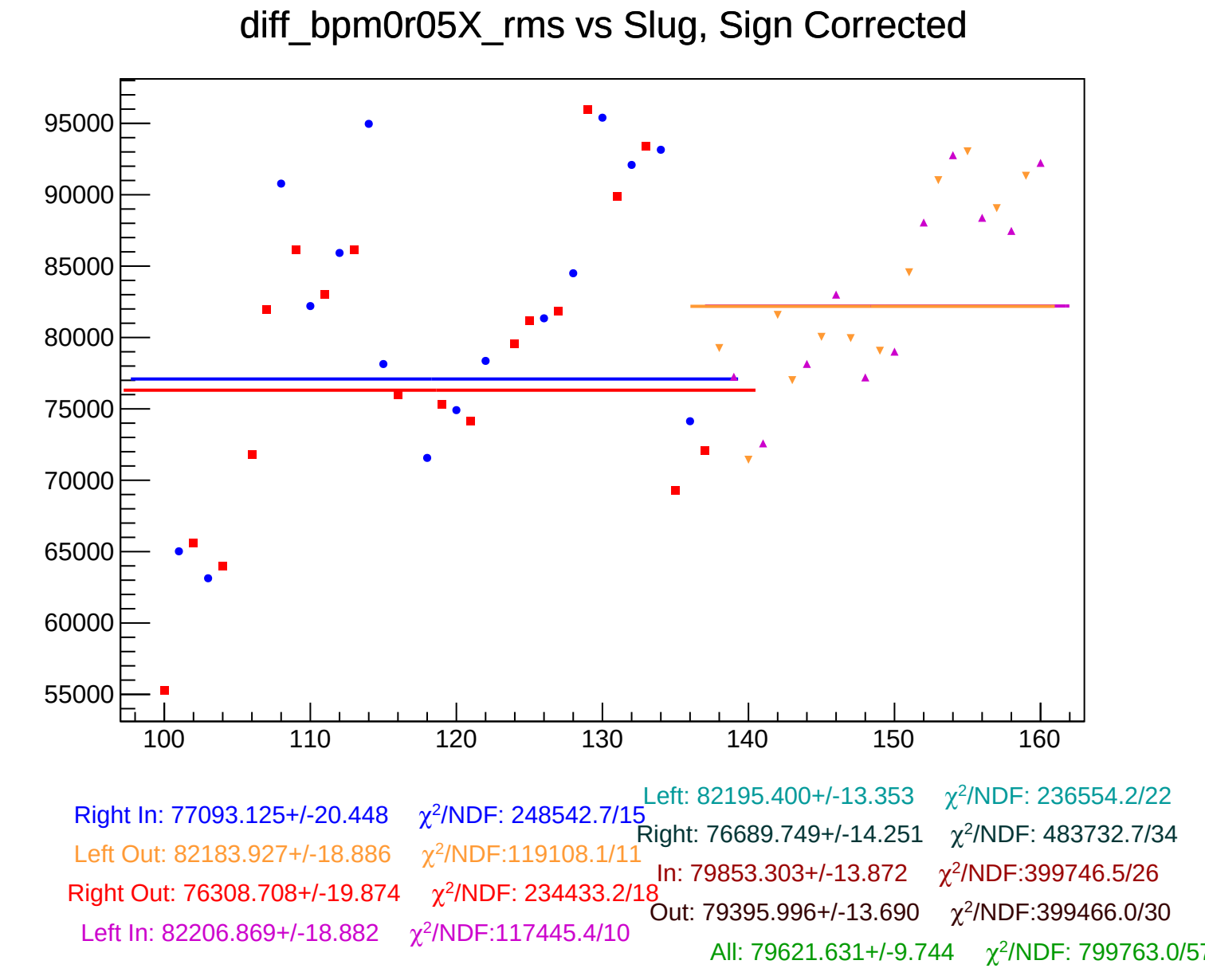
Left: 2.494+/-18.884 χ^2/NDF: 32.1/22

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

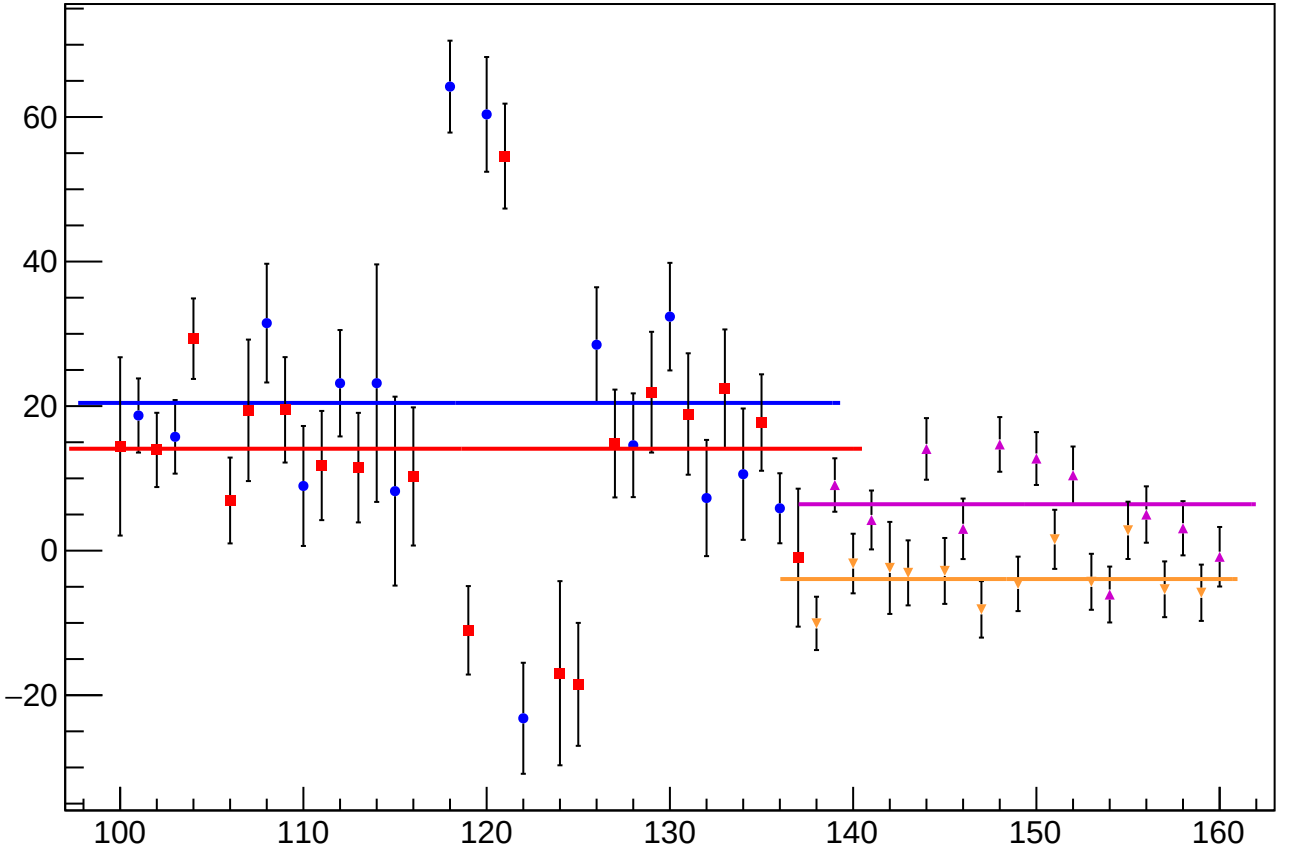
In: 40.310+/-19.618 χ^2/NDF:27.1/26

Out: 5.467+/-19.361 χ^2/NDF:32.2/30

All: 22.659+/-13.780 χ^2/NDF: 60.9/57


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: 82206.869+/-18.882 χ²/NDF:117445.4/10
Left: 82195.400+/-13.353 χ²/NDF: 236554.2/22
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 79853.303+/-13.872 χ²/NDF:399746.5/26
Out: 79395.996+/-13.690 χ²/NDF:399466.0/30
All: 79621.631+/-9.744 χ²/NDF: 799763.0/57

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: 6.423+/-1.182 χ^2/NDF:27.9/10

Left: 1.256+/-0.836 χ^2/NDF: 75.7/22

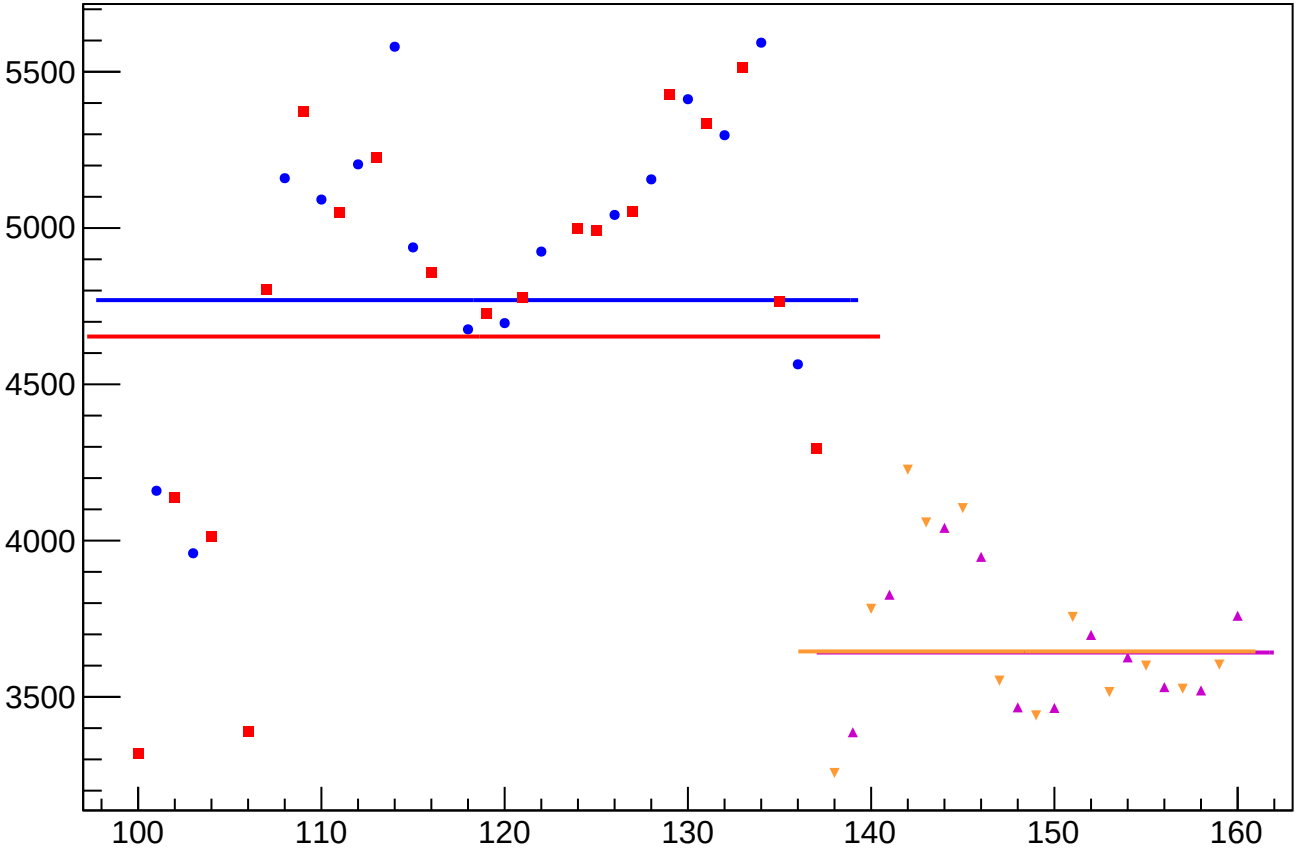
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 10.706+/-0.985 χ^2/NDF:198.8/26

Out: 1.897+/-0.974 χ^2/NDF:168.2/30

All: 6.252+/-0.693 χ^2/NDF: 407.4/57

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: 3641.961+/-0.836 χ^2/NDF:56601.5/10

Left: 3643.670+/-0.591 χ^2/NDF: 147884.5/22

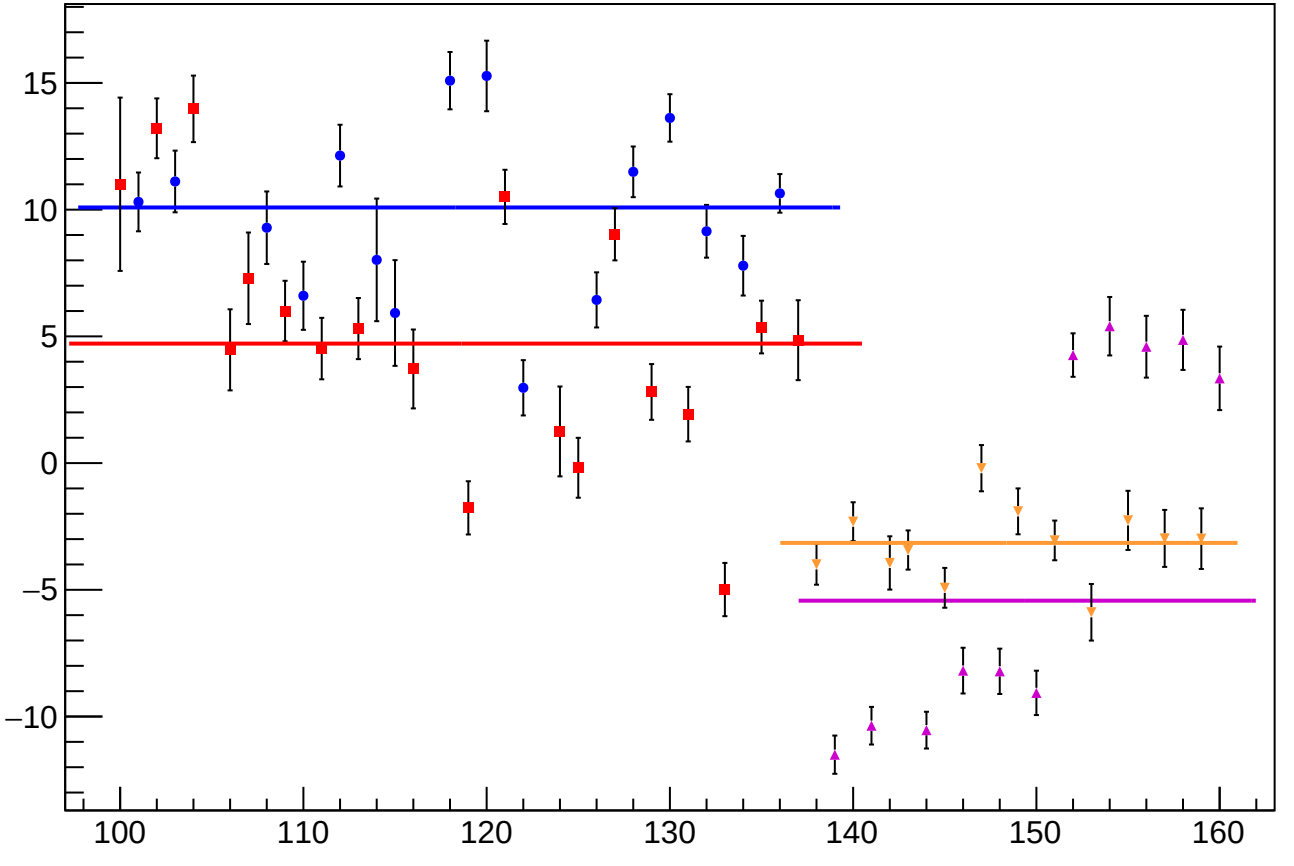
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3986.398+/-0.696 χ^2/NDF:764268.8/26

Out: 3970.893+/-0.689 χ^2/NDF:824437.0/30

All: 3978.558+/-0.490 χ^2/NDF: 1588956.4/57

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: -5.429+/-0.273 χ^2/NDF:602.6/10

Left: -4.243+/-0.189 χ^2/NDF: 665.9/22

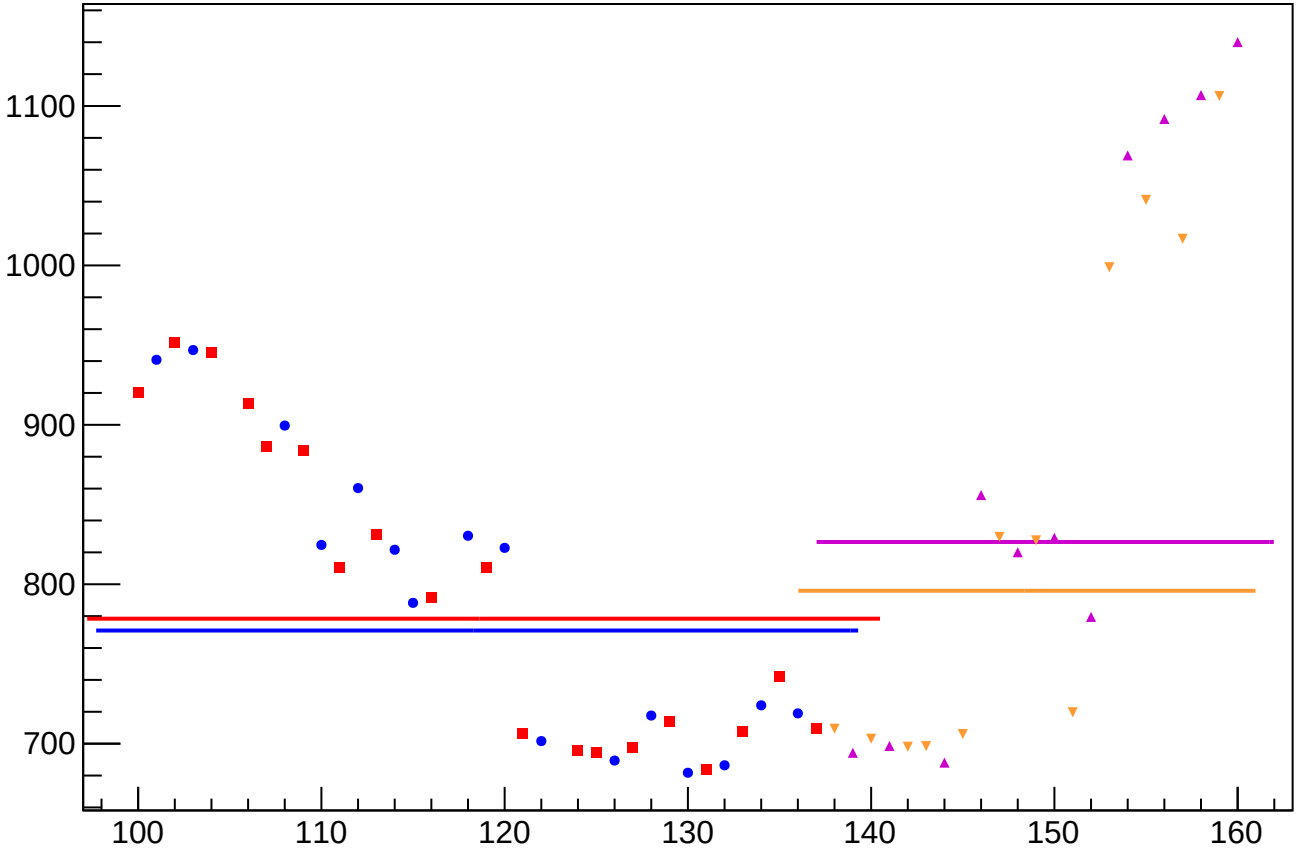
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.913+/-0.198 χ^2/NDF:2251.4/26

Out: 0.448+/-0.193 χ^2/NDF:748.3/30

All: 1.161+/-0.138 χ^2/NDF: 3027.7/57

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: 826.515+/-0.193 χ^2/NDF:621949.2/10

Left: 810.580+/-0.134 χ^2/NDF: 1153072.4/22

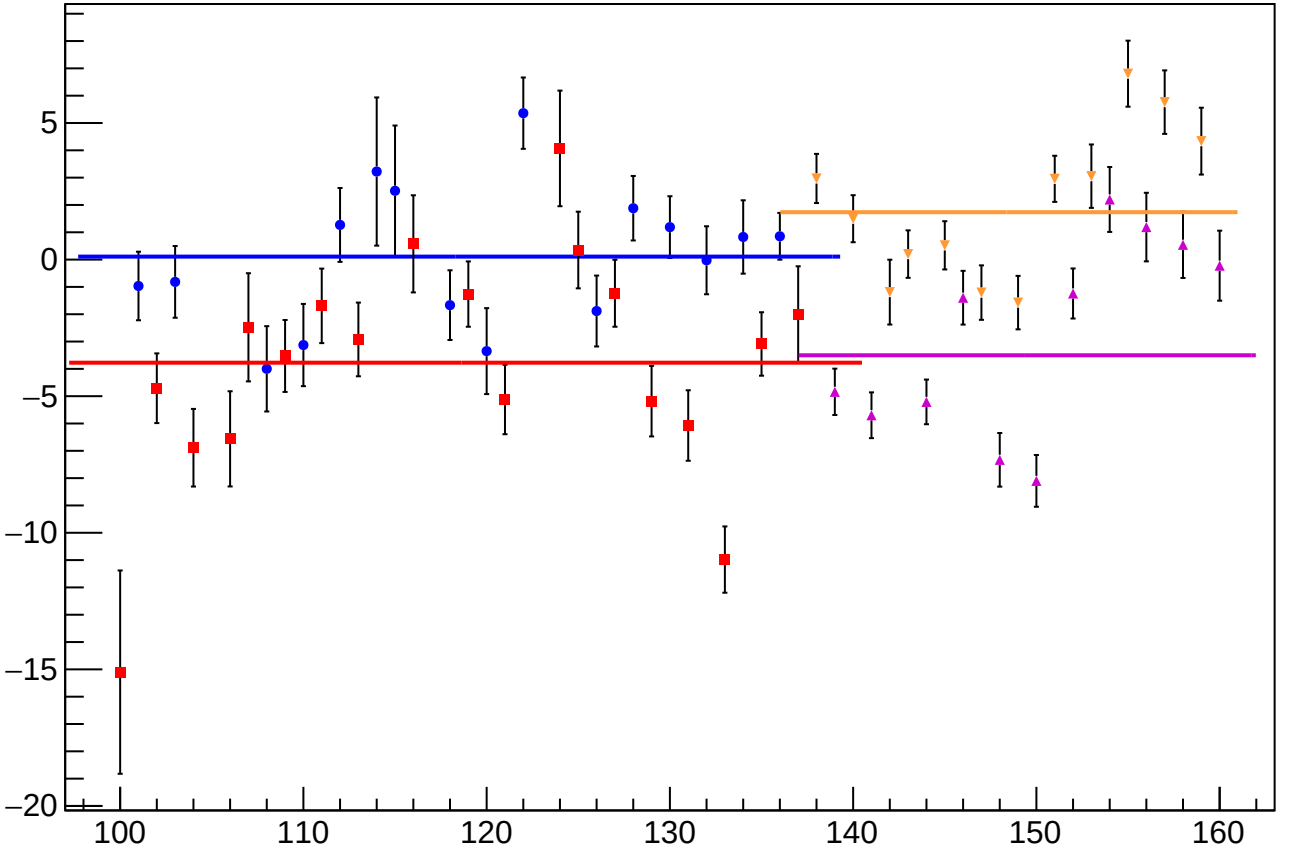
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 800.231+/-0.140 χ^2/NDF:853943.7/26

Out: 787.893+/-0.137 χ^2/NDF:718679.0/30

All: 793.901+/-0.098 χ^2/NDF: 1576592.3/57

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.736+/-0.286 χ^2/NDF:70.7/11

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -3.502+/-0.297 χ^2/NDF:117.8/10

Left: -0.786+/-0.206 χ^2/NDF: 349.5/22

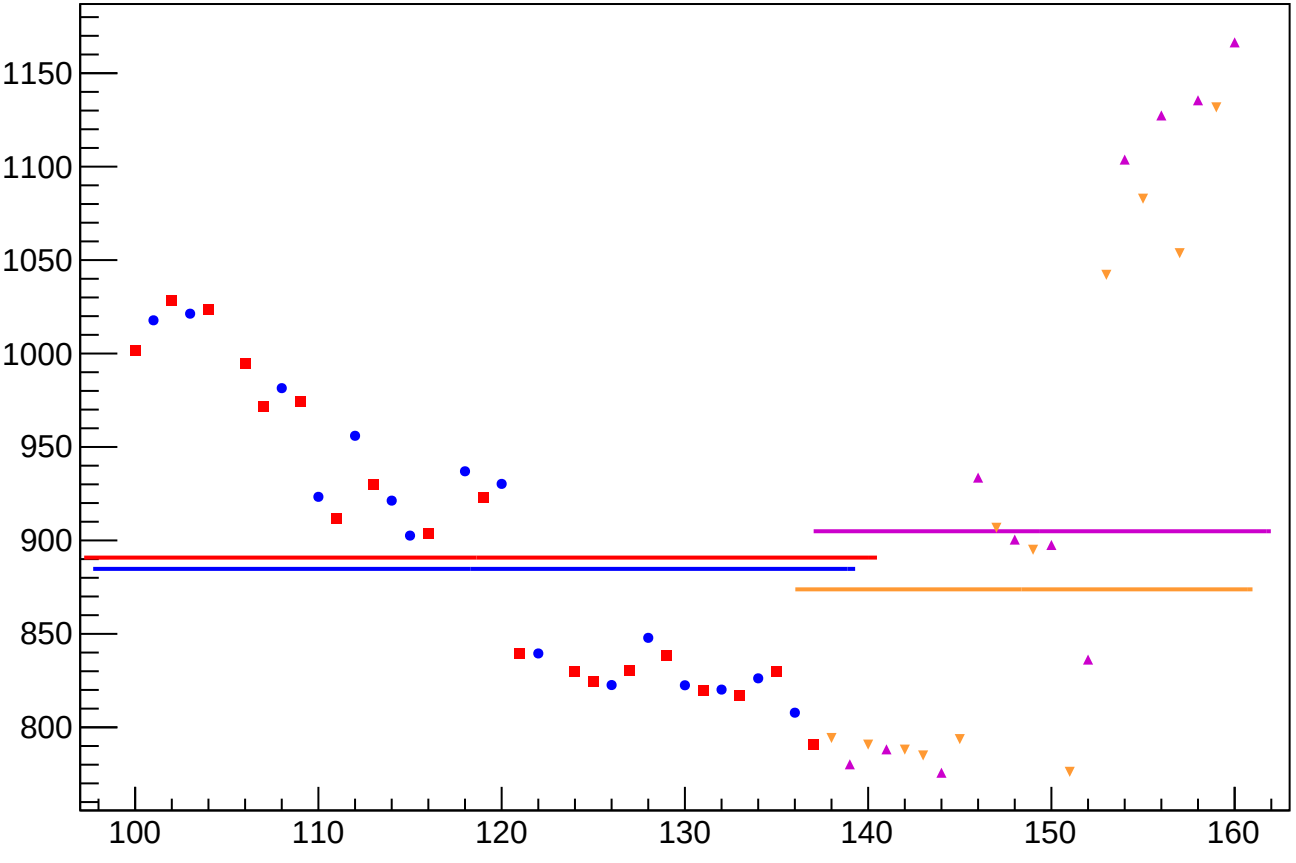
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.884+/-0.221 χ^2/NDF:229.3/26

Out: -0.664+/-0.215 χ^2/NDF:331.4/30

All: -1.258+/-0.154 χ^2/NDF: 576.3/57

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: 904.908+/-0.210 χ^2/NDF:419402.8/10

Left: 888.787+/-0.146 χ^2/NDF: 781288.8/22

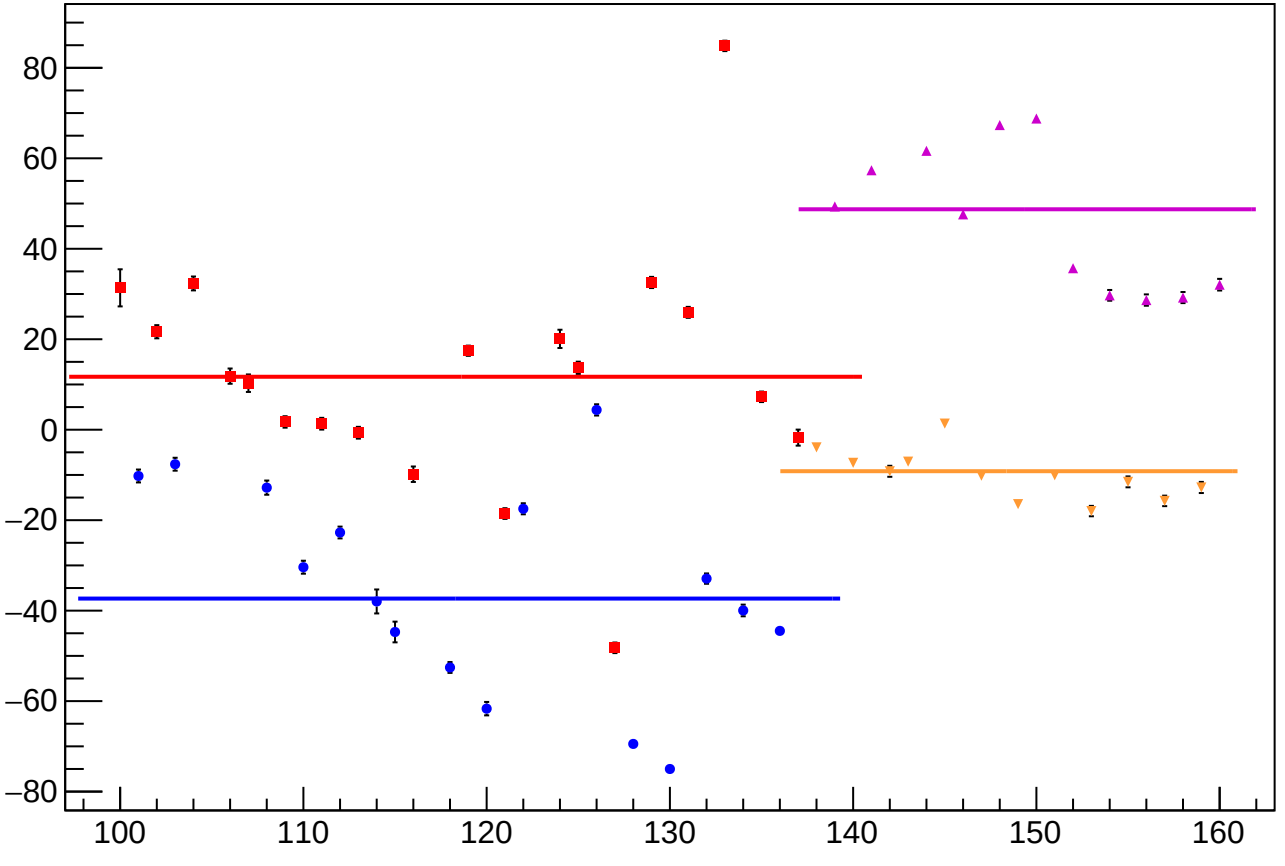
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 895.885+/-0.156 χ^2/NDF:528008.4/26

Out: 881.222+/-0.152 χ^2/NDF:461374.1/30

All: 888.364+/-0.109 χ^2/NDF: 993904.9/57

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: 48.731+/-0.304 χ^2/NDF:2173.1/10

Left: 18.516+/-0.210 χ^2/NDF: 21434.3/22

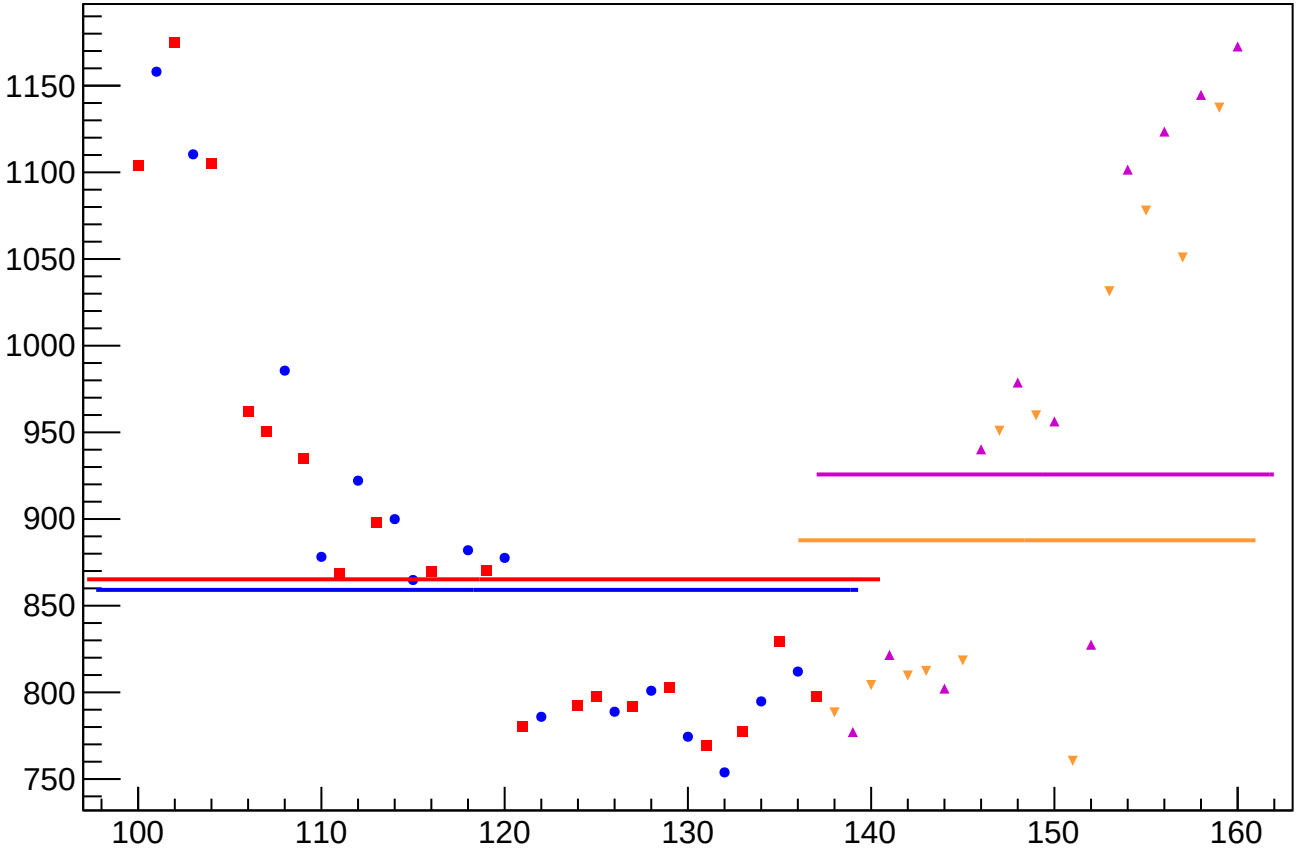
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 8.135+/-0.221 χ^2/NDF:45157.6/26

Out: 0.347+/-0.215 χ^2/NDF:11142.3/30

All: 4.128+/-0.154 χ^2/NDF: 56939.1/57

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: 925.706+/-0.215 χ^2/NDF:394700.9/10

Left: 905.885+/-0.149 χ^2/NDF: 754613.1/22

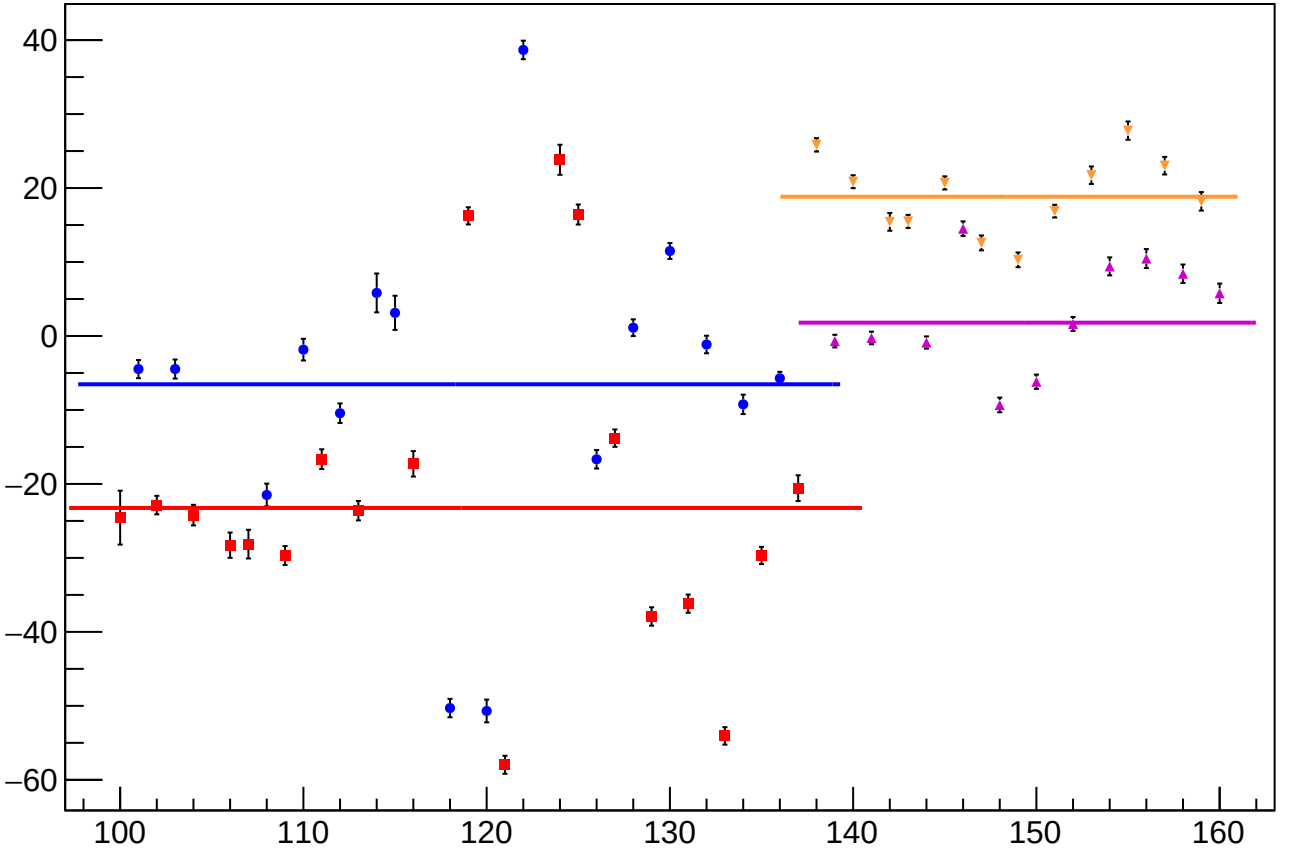
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 894.299+/-0.156 χ^2/NDF:668658.1/26

Out: 877.459+/-0.152 χ^2/NDF:572744.8/30

All: 885.636+/-0.109 χ^2/NDF: 1247378.9/57

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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: 1.800+/-0.302 χ^2/NDF:506.0/10

Left: 10.636+/-0.210 χ^2/NDF: 2430.1/22

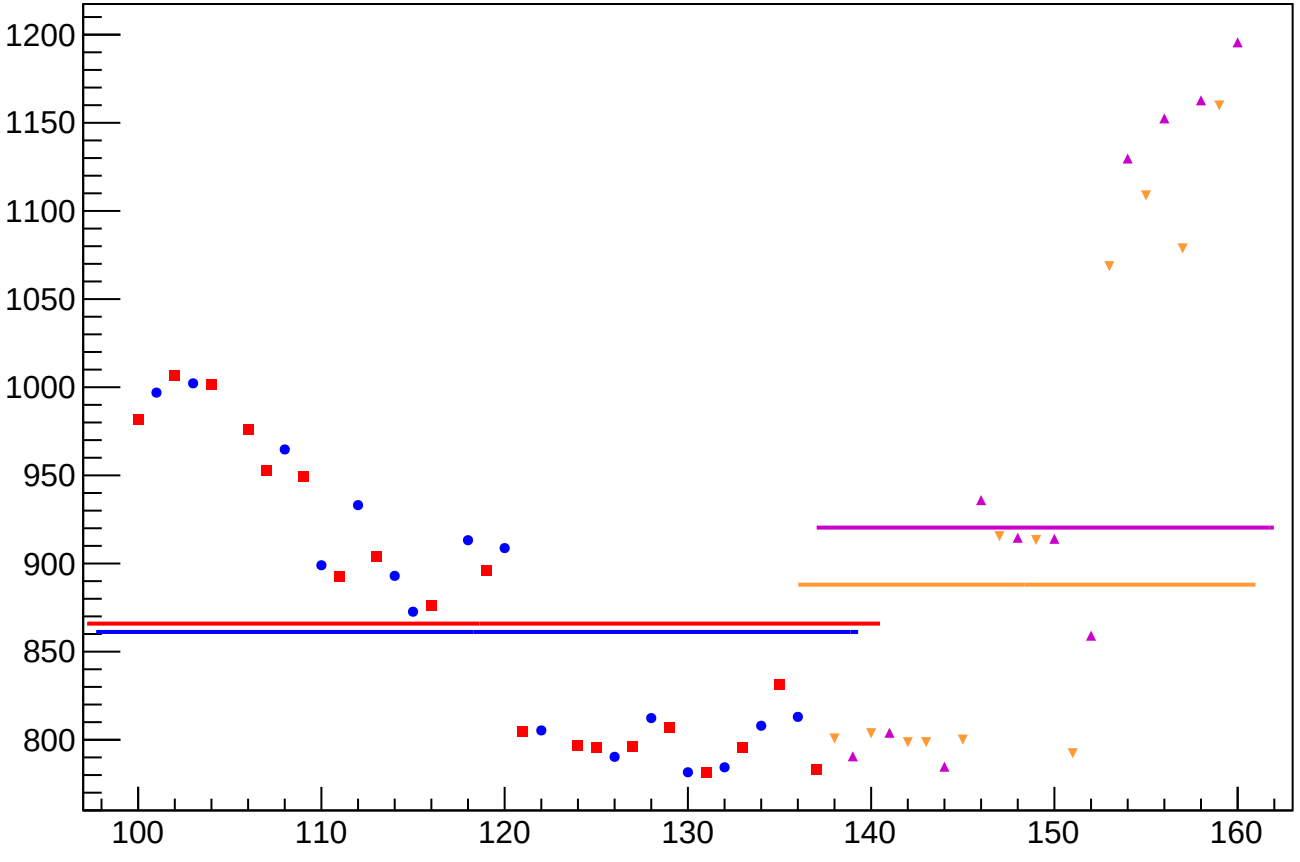
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -2.114+/-0.220 χ^2/NDF:4808.5/26

Out: -0.426+/-0.214 χ^2/NDF:14301.1/30

All: -1.247+/-0.154 χ^2/NDF: 19139.8/57

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: 920.375+/-0.214 χ^2/NDF:434335.4/10

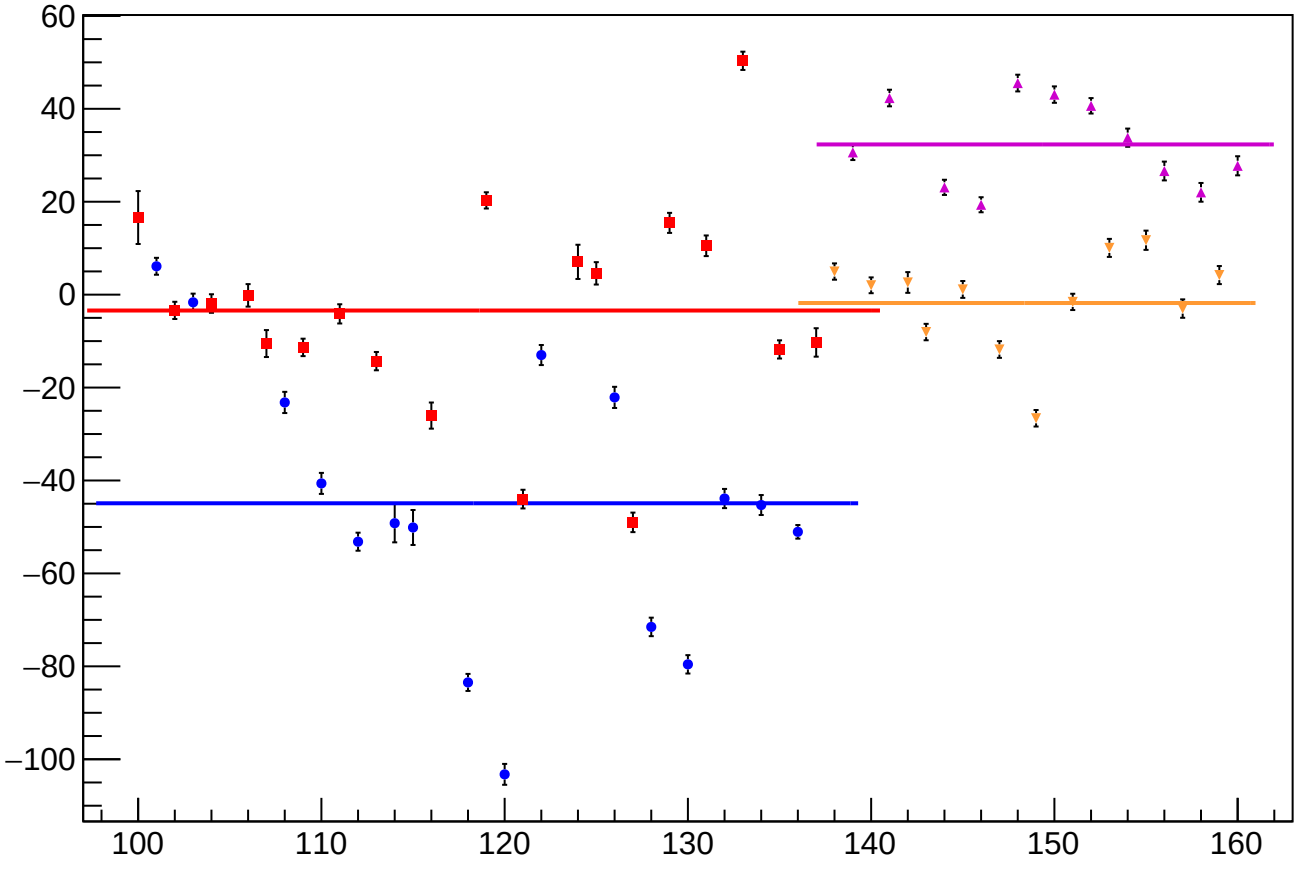
Left: 903.575+/-0.148 χ^2/NDF: 816885.3/22

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 892.551+/-0.156 χ^2/NDF:583885.6/26

Out: 877.888+/-0.152 χ^2/NDF:494340.9/30

All: 885.027+/-0.109 χ^2/NDF: 1082778.2/57



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: 32.331+/-0.542 χ^2/NDF:283.7/10

Left: 15.122+/-0.381 χ^2/NDF: 2639.7/22

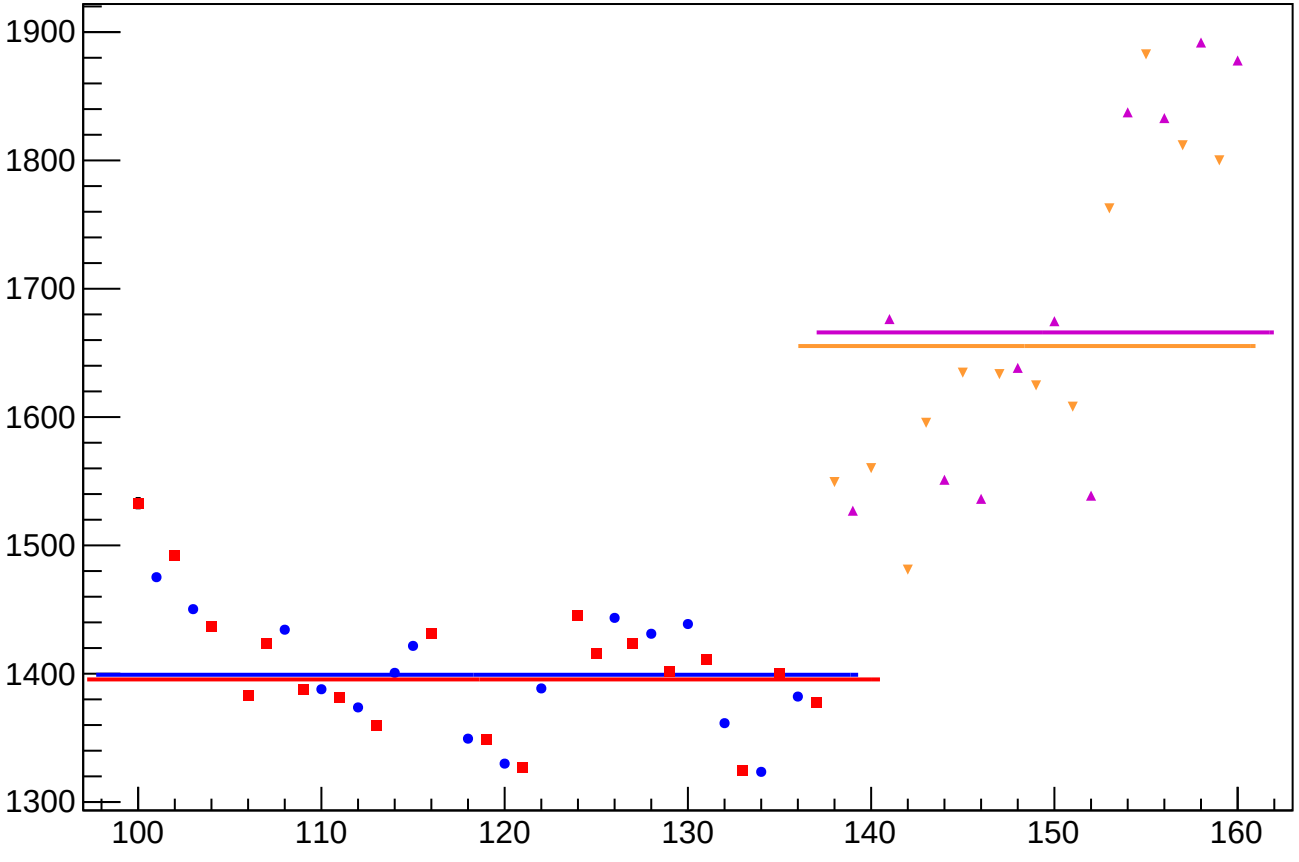
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -7.874+/-0.375 χ^2/NDF:14242.8/26

Out: -2.651+/-0.370 χ^2/NDF:2461.5/30

All: -5.223+/-0.263 χ^2/NDF: 16802.7/57

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: 1665.967+/-0.383 χ^2/NDF:124246.9/10

Left: 1660.615+/-0.270 χ^2/NDF: 209062.4/22

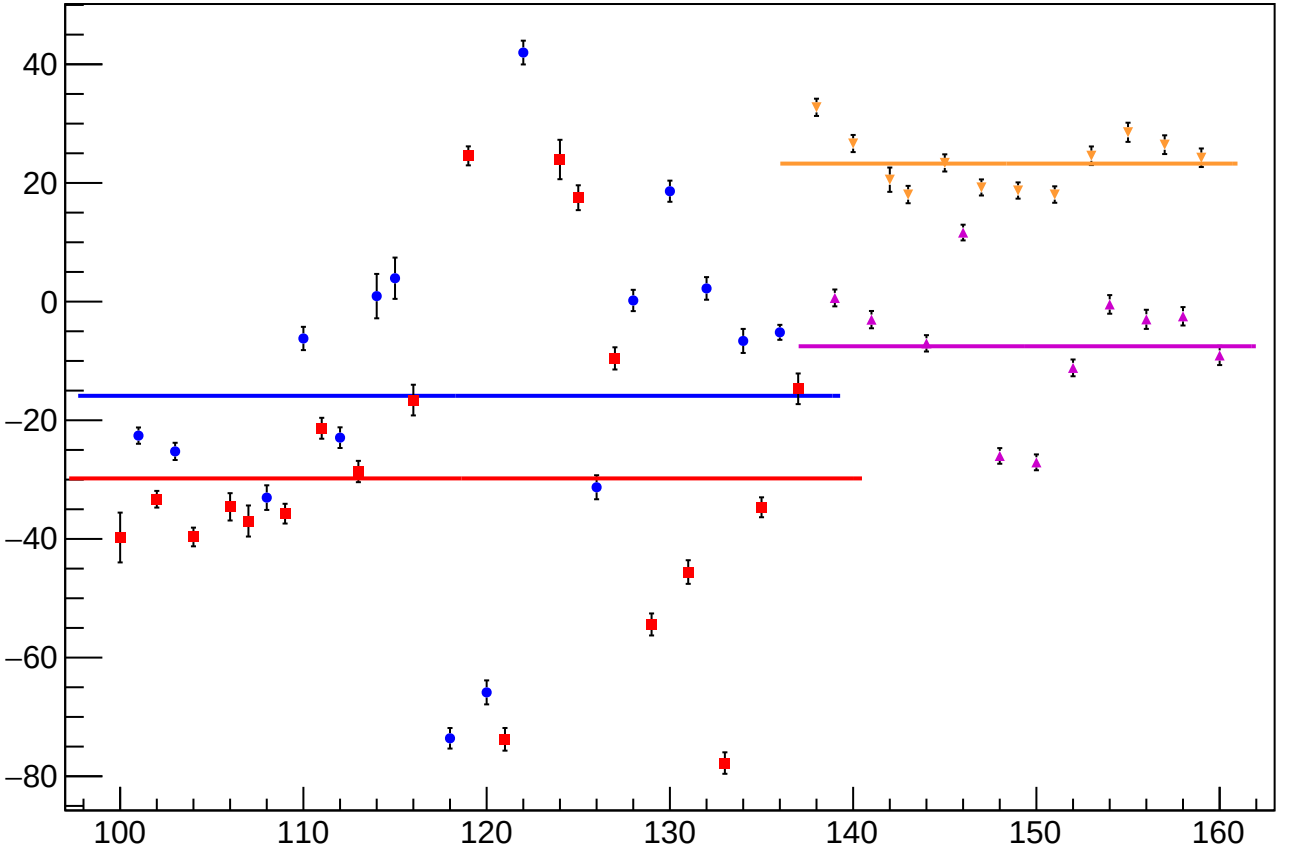
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1527.089+/-0.265 χ^2/NDF:391613.5/26

Out: 1518.495+/-0.261 χ^2/NDF:347104.3/30

All: 1522.728+/-0.186 χ^2/NDF: 739250.5/57

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: -7.526+/-0.435 χ^2/NDF:709.4/10

Left: 7.936+/-0.307 χ^2/NDF: 3337.5/22

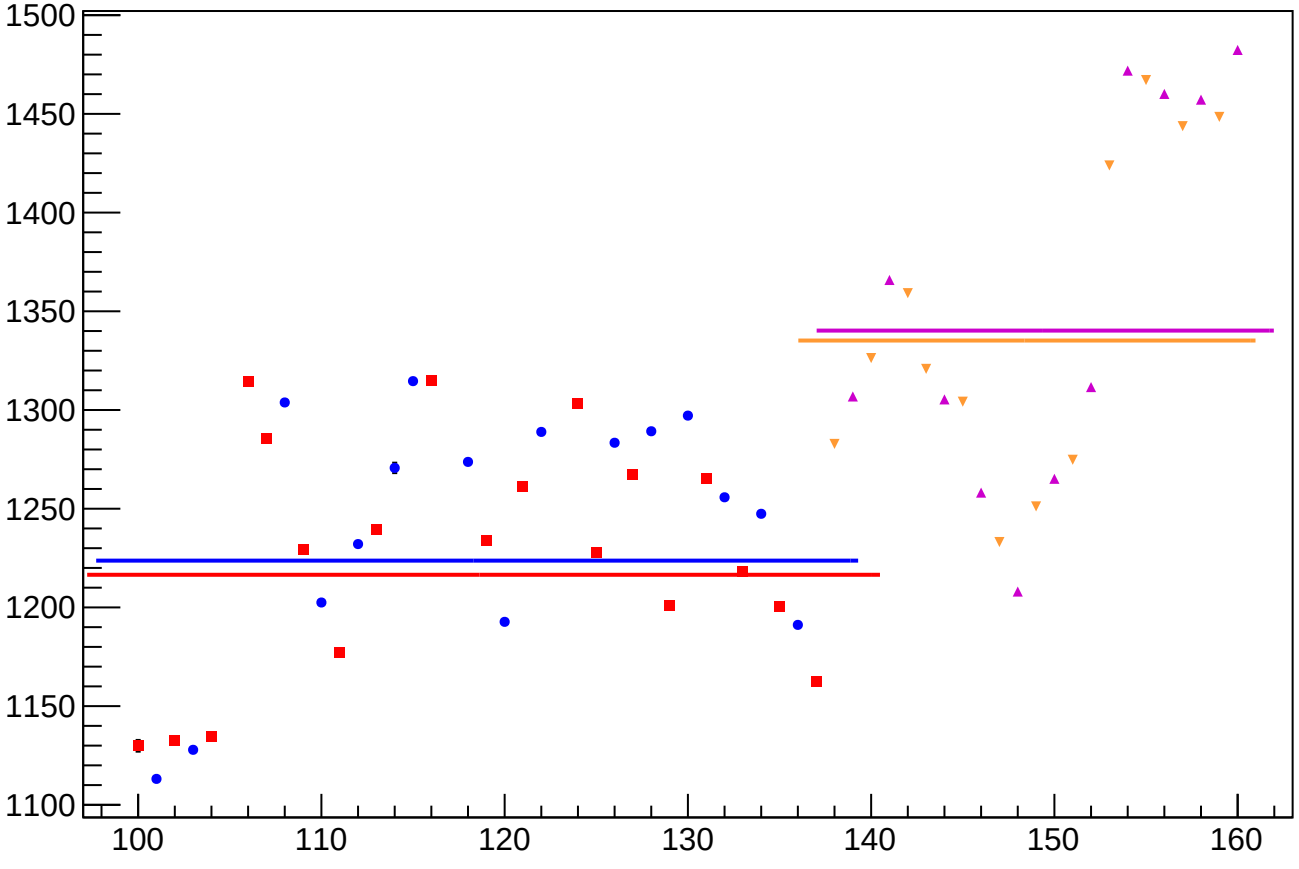
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.512+/-0.315 χ^2/NDF:4363.2/26

Out: -2.587+/-0.310 χ^2/NDF:11106.7/30

All: -6.987+/-0.221 χ^2/NDF: 15878.2/57

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: 1340.226+/-0.308 χ^2/NDF:89797.4/10

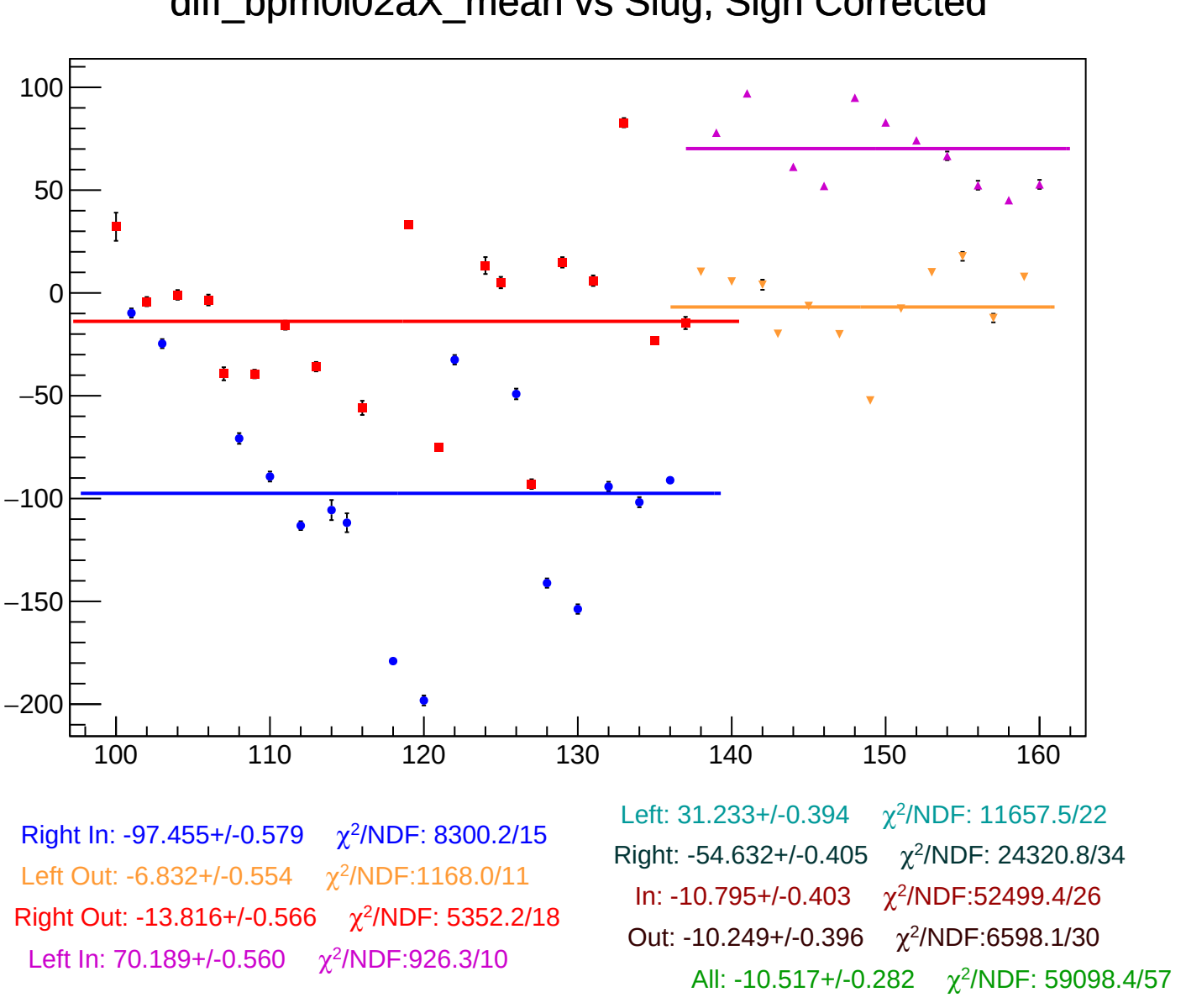
Left: 1337.697+/-0.217 χ^2/NDF: 156352.6/22

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

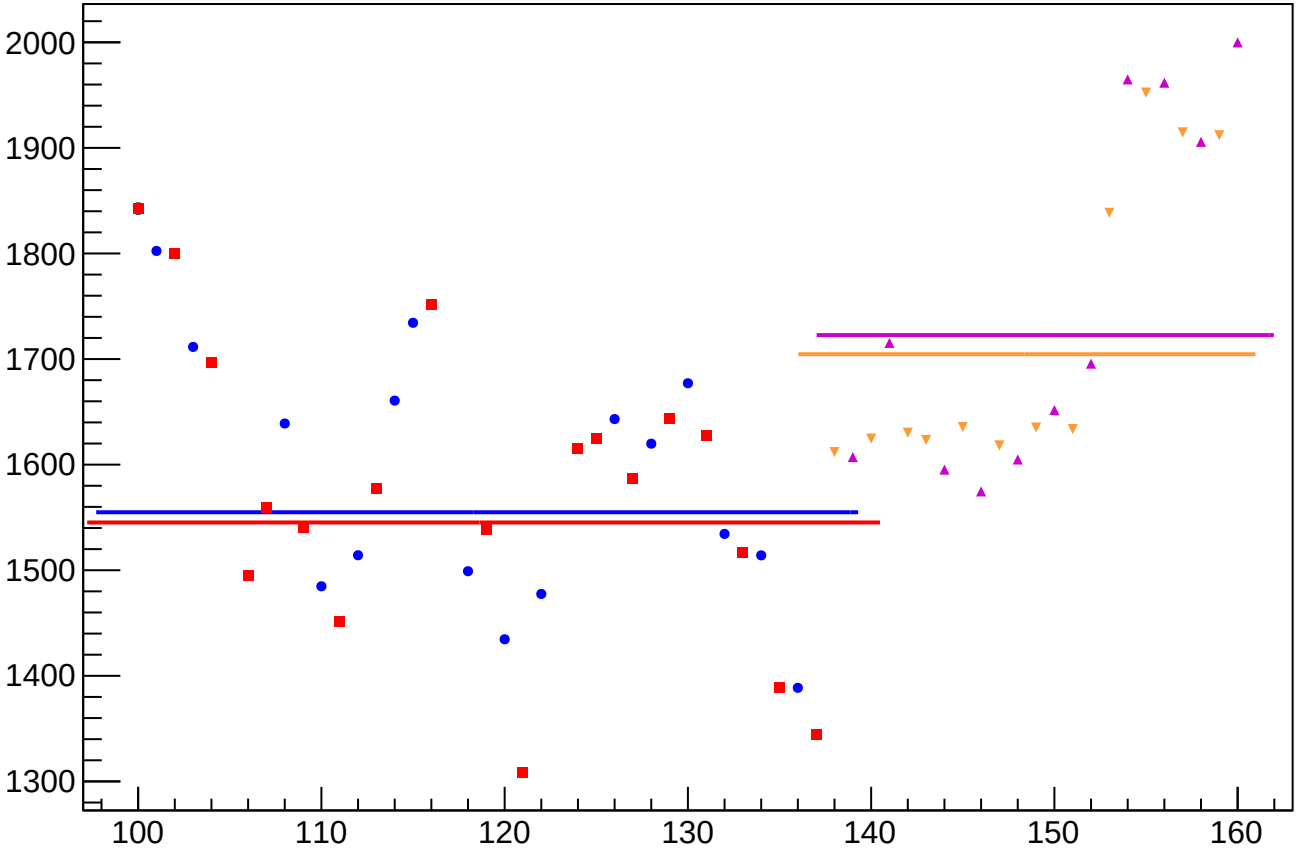
In: 1284.613+/-0.222 χ^2/NDF:199176.7/26

Out: 1277.388+/-0.219 χ^2/NDF:168940.8/30

All: 1280.950+/-0.156 χ^2/NDF: 368652.7/57


diff_bpm0i02aX_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: -97.455+/-0.579 χ²/NDF: 8300.2/15
Left Out: -6.832+/-0.554 χ²/NDF:1168.0/11
Right Out: -13.816+/-0.566 χ²/NDF: 5352.2/18
Left In: 70.189+/-0.560 χ²/NDF:926.3/10
Left: 31.233+/-0.394 χ²/NDF: 11657.5/22
Right: -54.632+/-0.405 χ²/NDF: 24320.8/34
In: -10.795+/-0.403 χ²/NDF:52499.4/26
Out: -10.249+/-0.396 χ²/NDF:6598.1/30
All: -10.517+/-0.282 χ²/NDF: 59098.4/57

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: 1722.711+/-0.396 χ^2/NDF:148341.1/10

Left: 1713.537+/-0.278 χ^2/NDF: 253952.4/22

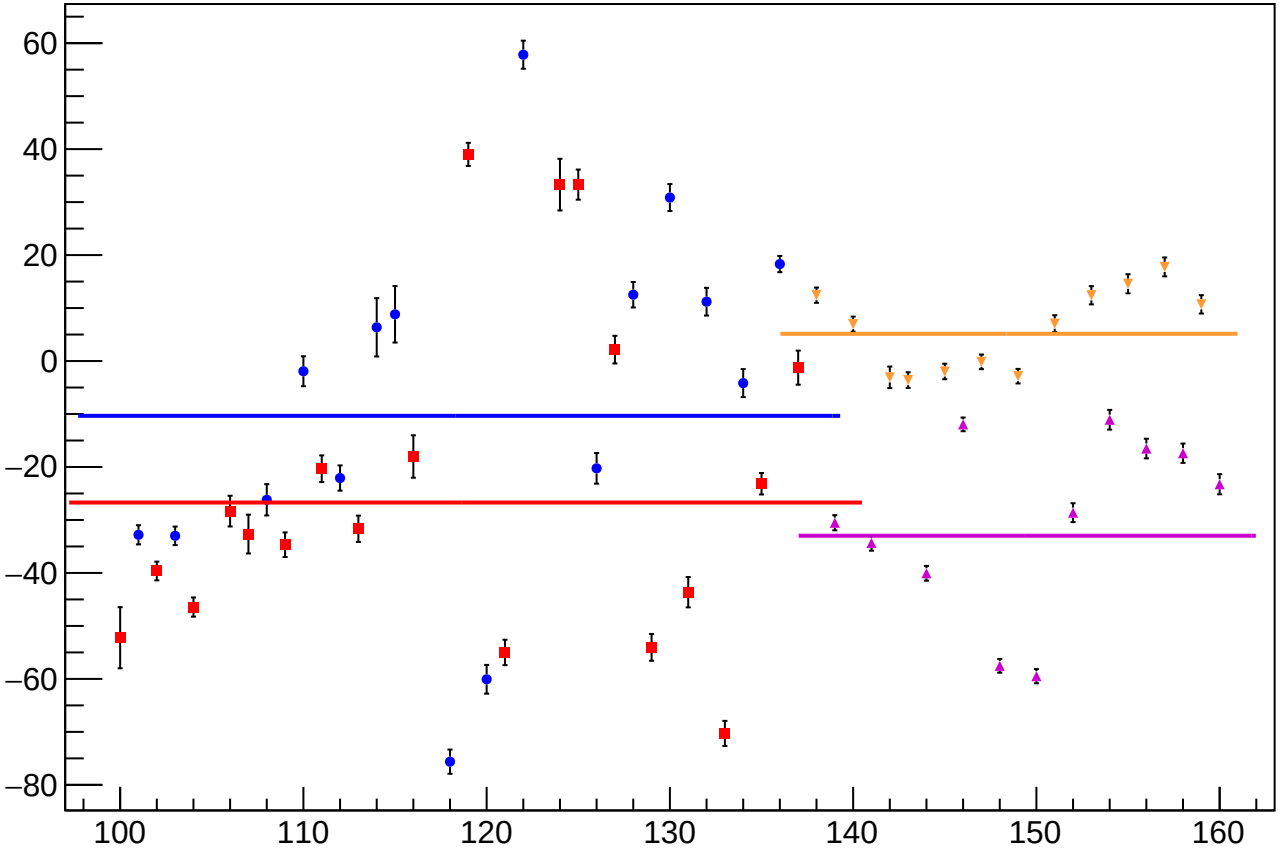
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1641.651+/-0.285 χ^2/NDF:322971.4/26

Out: 1626.611+/-0.280 χ^2/NDF:294377.4/30

All: 1633.999+/-0.200 χ^2/NDF: 618768.0/57

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: -32.976+/-0.462 χ^2/NDF:1364.0/10

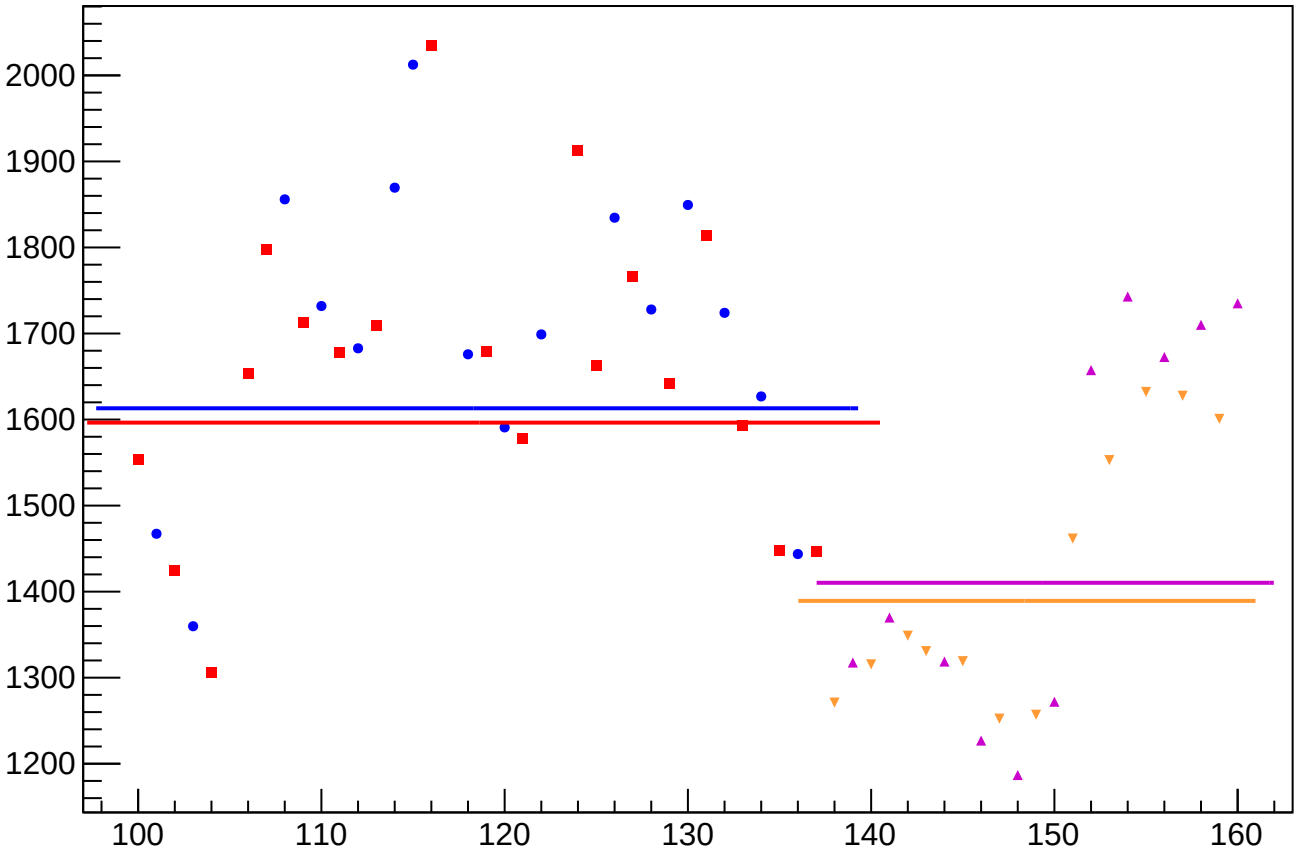
Left: -13.541+/-0.323 χ^2/NDF: 5095.6/22

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.612+/-0.367 χ^2/NDF:5258.6/26

Out: -6.756+/-0.358 χ^2/NDF:4646.9/30

All: -15.480+/-0.256 χ^2/NDF: 11118.5/57



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: 1410.290+/-0.327 χ^2/NDF:394176.1/10

Left: 1399.565+/-0.229 χ^2/NDF: 585964.9/22

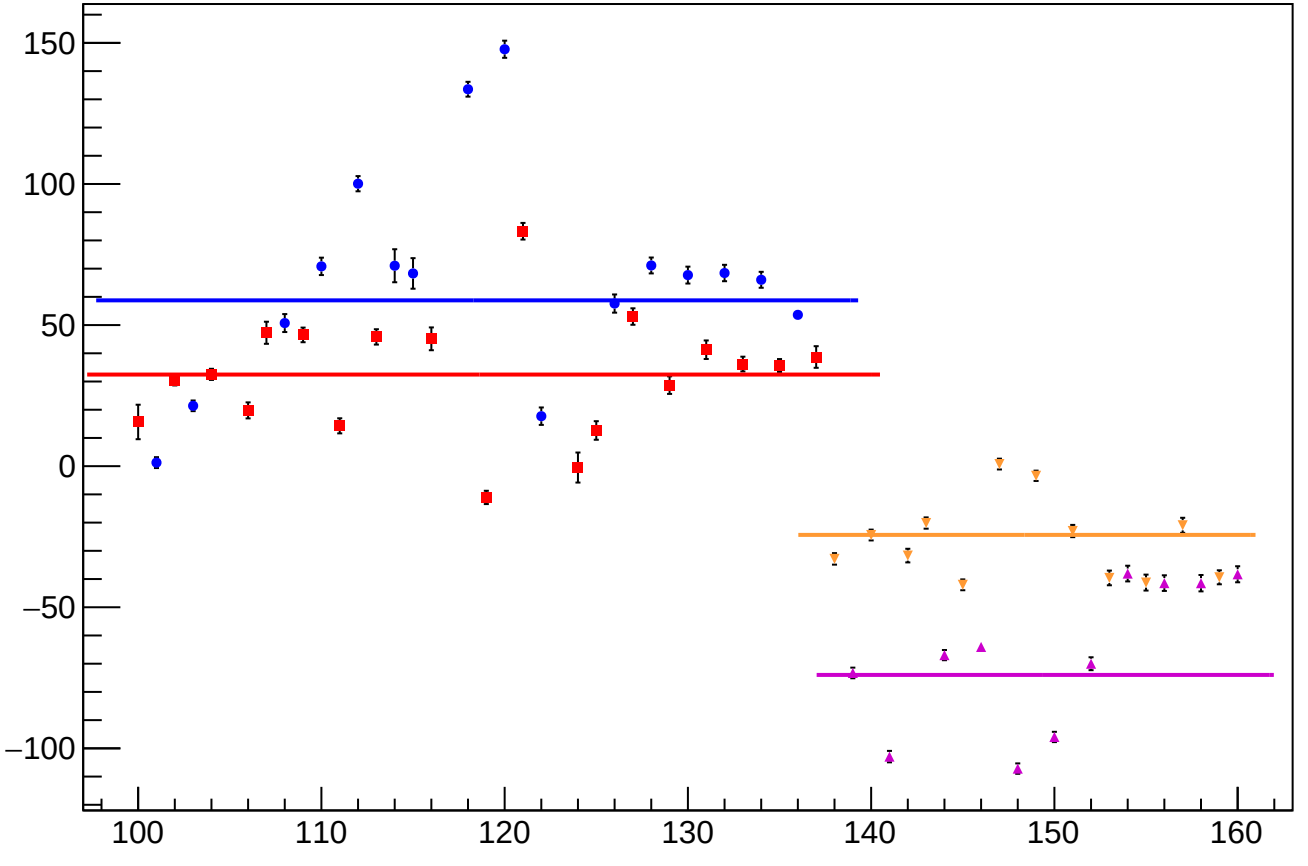
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1485.238+/-0.259 χ^2/NDF:691446.6/26

Out: 1466.639+/-0.253 χ^2/NDF:506827.6/30

All: 1475.726+/-0.181 χ^2/NDF: 1200906.2/57

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: -73.978+/-0.640 χ^2/NDF:1311.1/10

Left: -48.544+/-0.447 χ^2/NDF: 4917.4/22

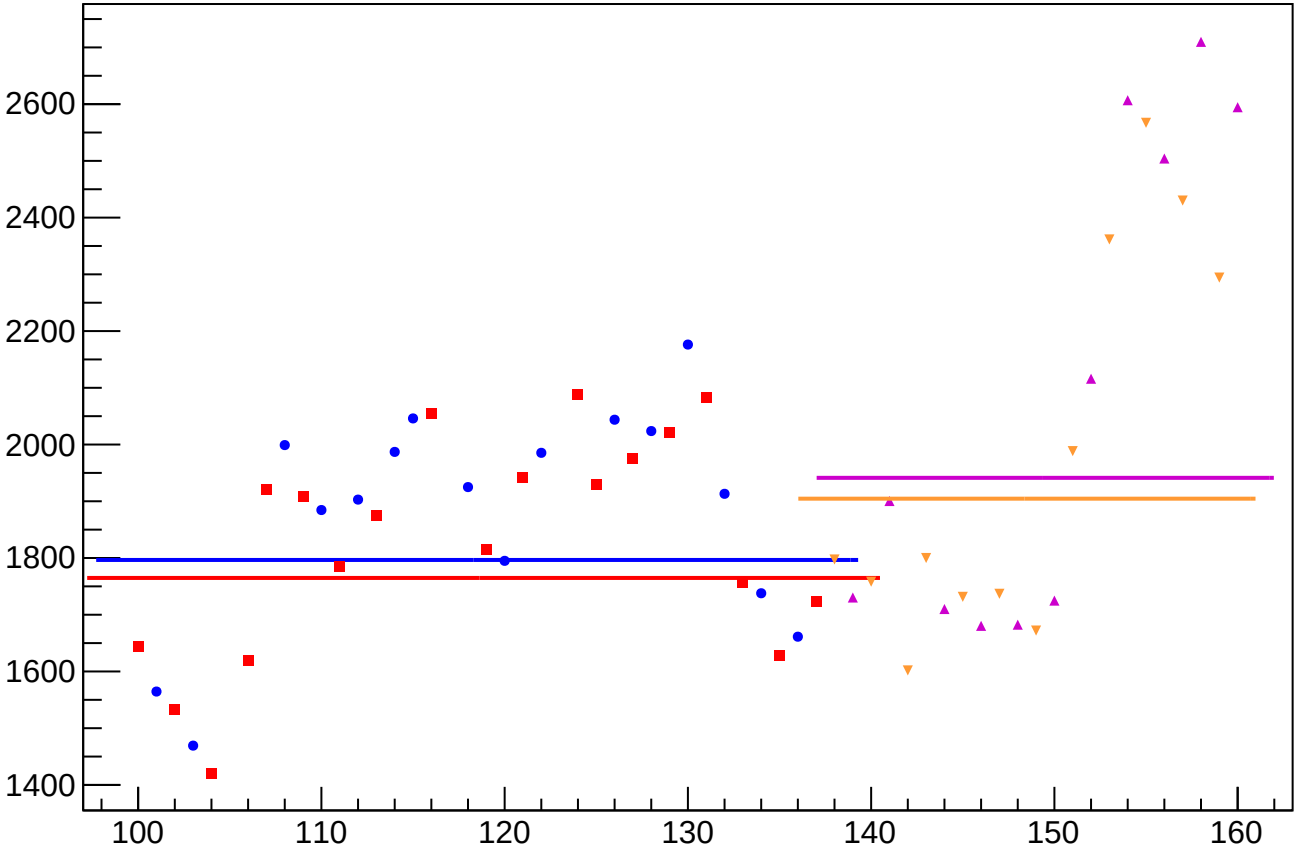
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -10.862+/-0.464 χ^2/NDF:25192.0/26

Out: 2.984+/-0.450 χ^2/NDF:5442.3/30

All: -3.728+/-0.323 χ^2/NDF: 31093.6/57

diff_bpm0i05X_rms vs Slug, Sign Corrected



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: 1941.313+/-0.453 χ^2/NDF:624487.7/10

Left: 1922.489+/-0.316 χ^2/NDF: 1047612.7/22

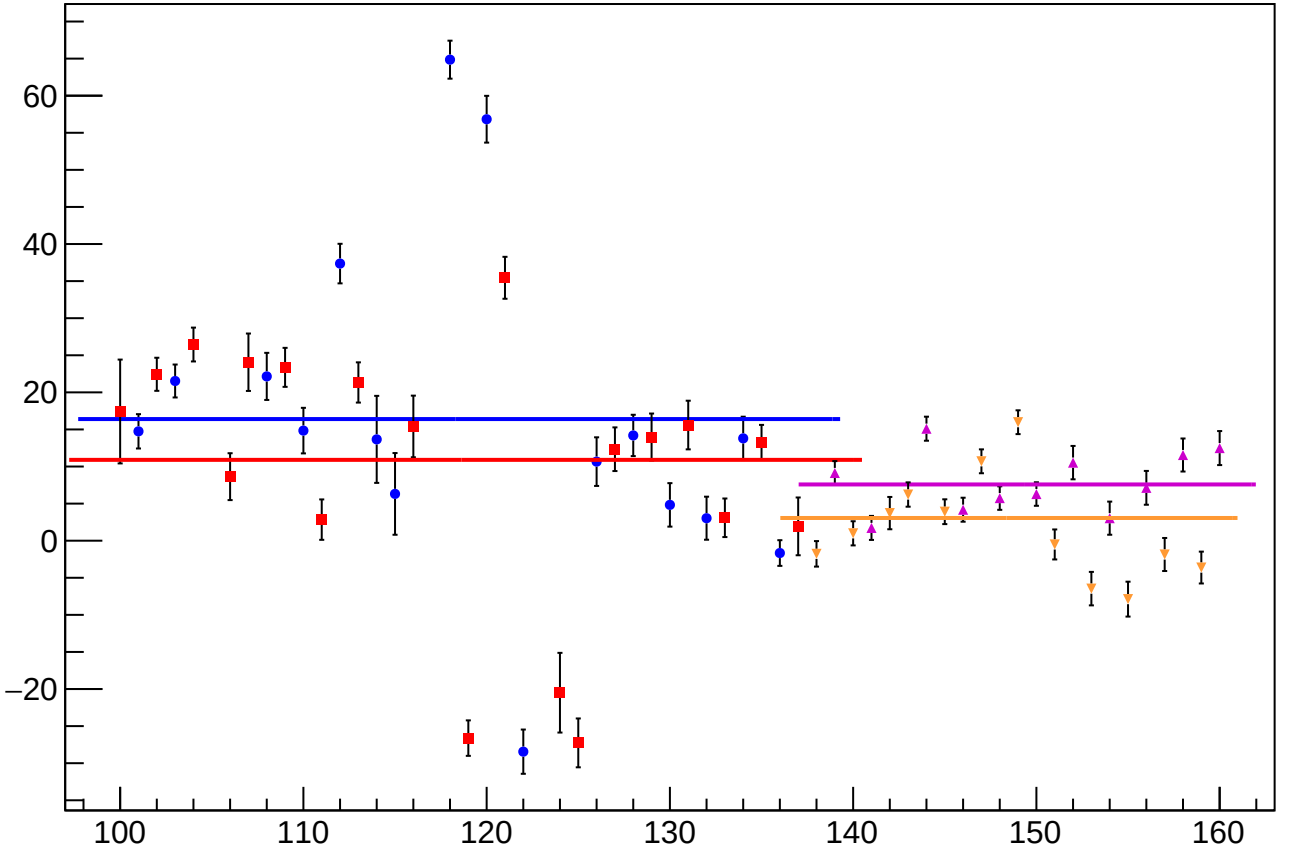
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1872.481+/-0.328 χ^2/NDF:866271.7/26

Out: 1837.360+/-0.318 χ^2/NDF:657924.8/30

All: 1854.386+/-0.228 χ^2/NDF: 1530108.1/57

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: 7.583+/-0.549 χ^2/NDF:55.6/10

Left: 5.271+/-0.384 χ^2/NDF: 248.2/22

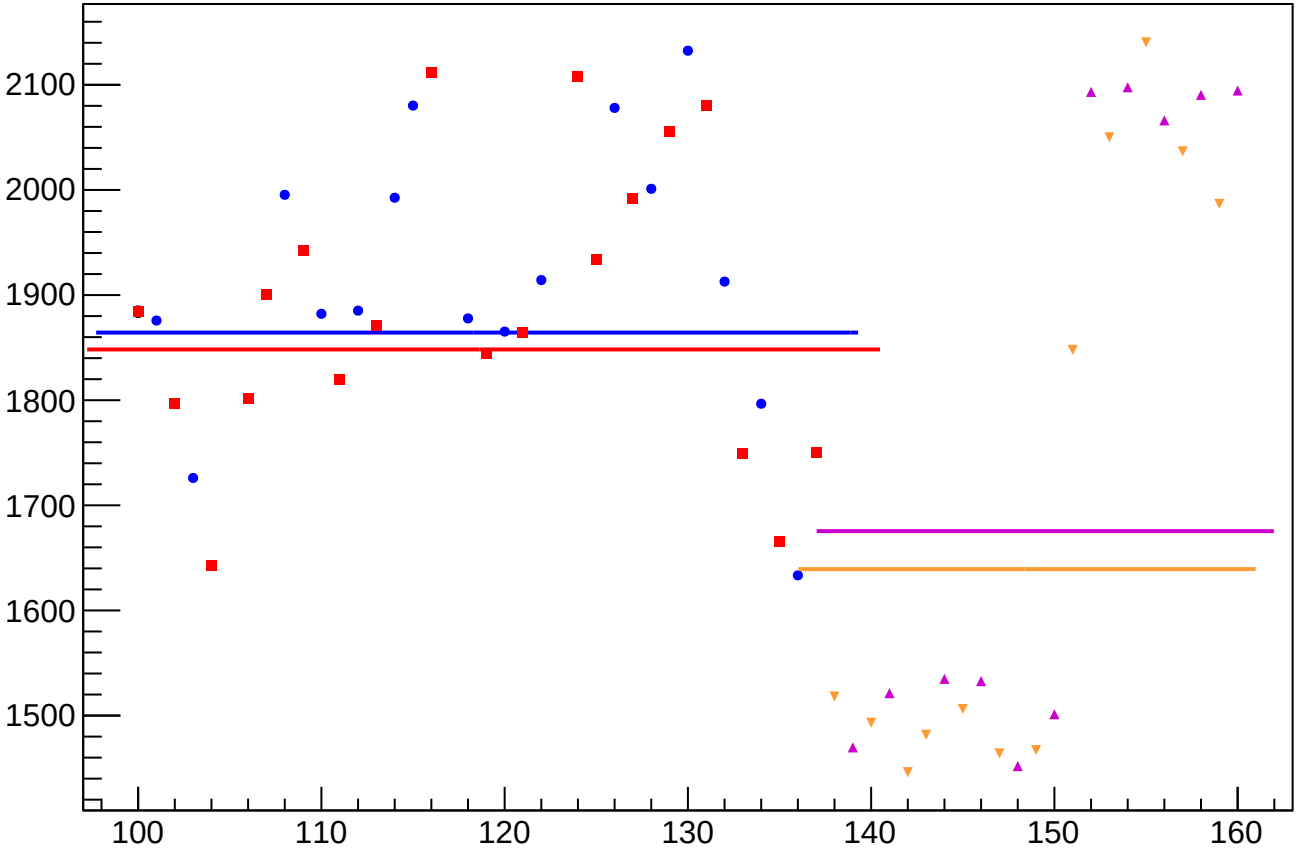
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.974+/-0.431 χ^2/NDF:1127.7/26

Out: 6.092+/-0.420 χ^2/NDF:882.0/30

All: 8.473+/-0.301 χ^2/NDF: 2075.4/57

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: 1675.454+/-0.388 χ^2/NDF:481118.6/10

Left: 1656.978+/-0.271 χ^2/NDF: 899394.6/22

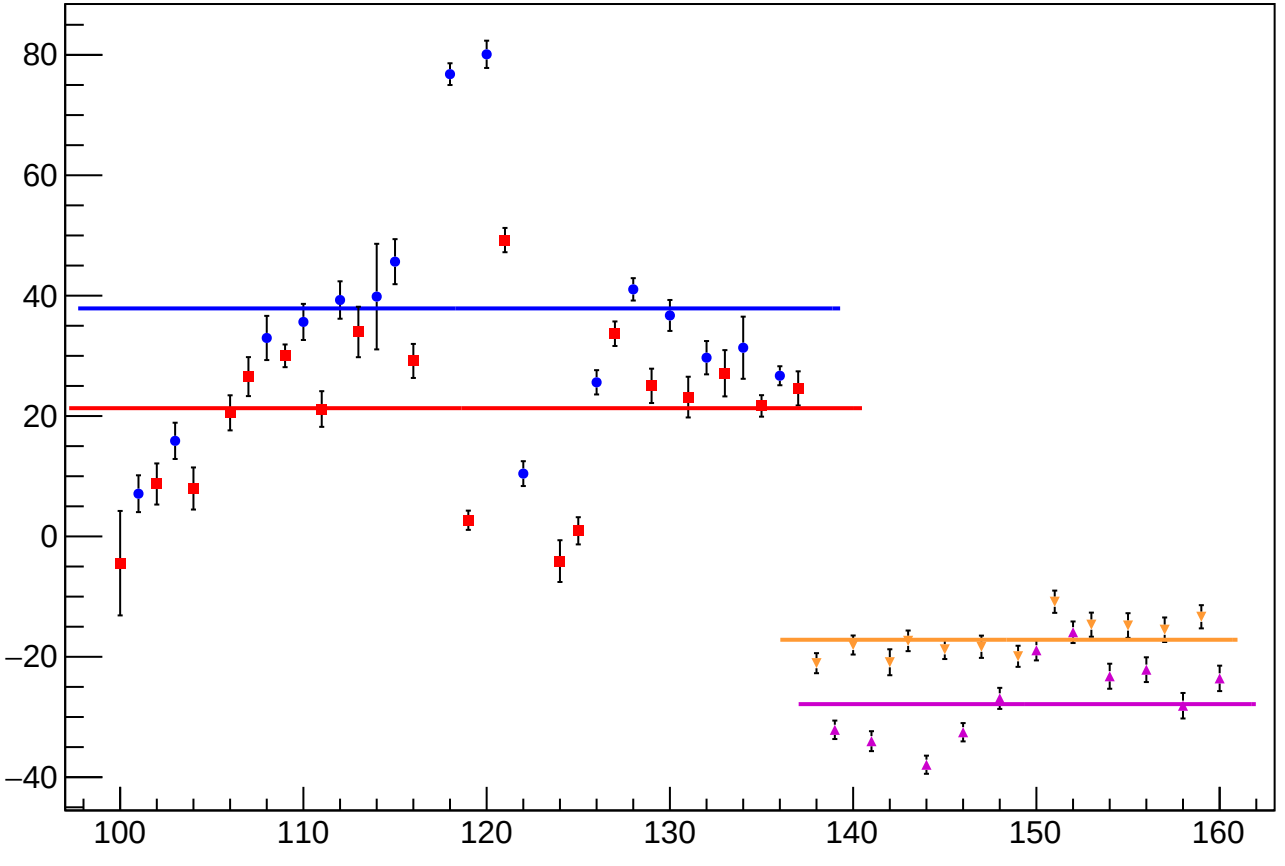
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1748.085+/-0.305 χ^2/NDF:655353.5/26

Out: 1720.113+/-0.297 χ^2/NDF:605934.4/30

All: 1733.755+/-0.213 χ^2/NDF: 1265604.7/57

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: -27.860+/-0.530 χ^2/NDF:165.3/10

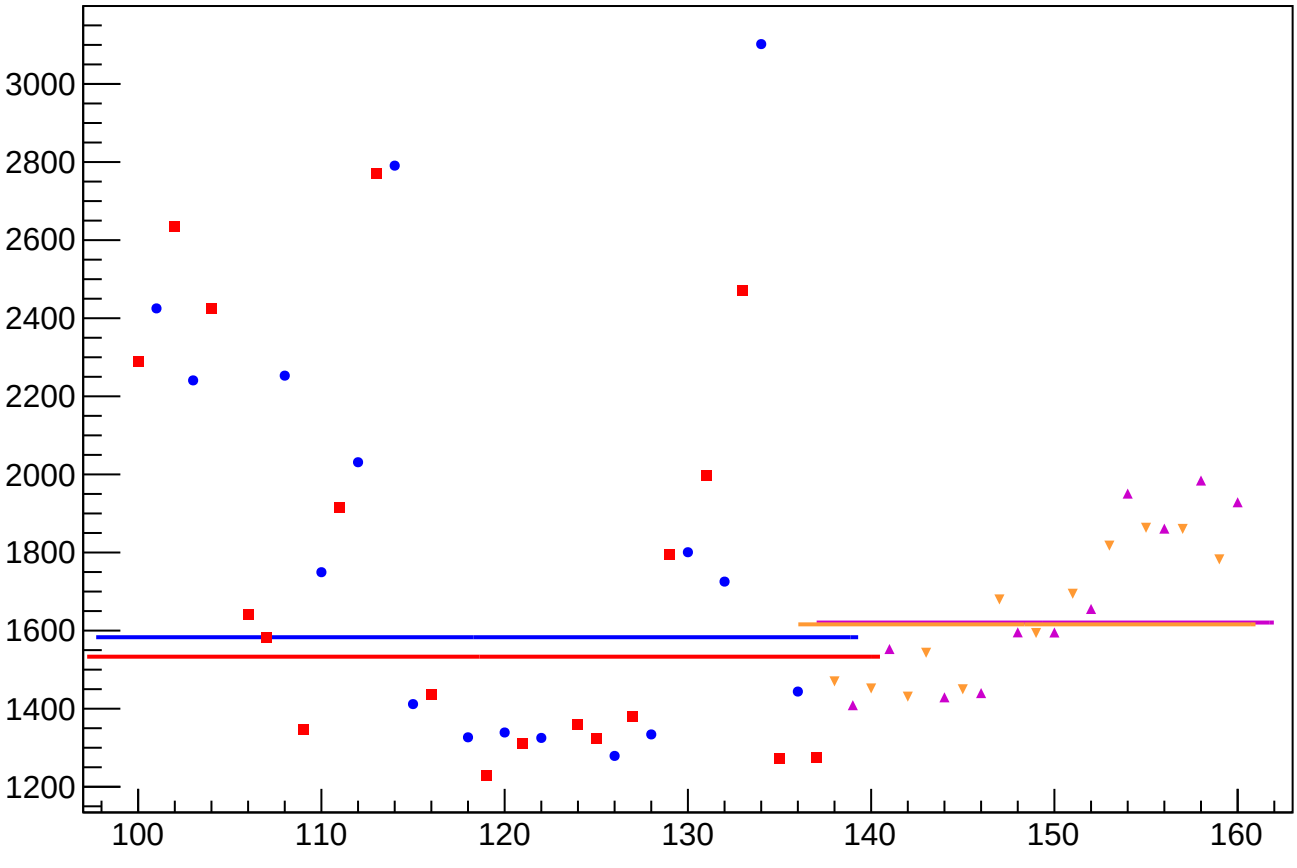
Left: -22.483+/-0.373 χ^2/NDF: 402.1/22

Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -0.254+/-0.403 χ^2/NDF:7887.4/26

Out: -0.209+/-0.394 χ^2/NDF:2968.8/30

All: -0.231+/-0.282 χ^2/NDF: 10856.2/57



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: 1620.623+/-0.374 χ^2/NDF:282694.1/10

Left: 1618.298+/-0.264 χ^2/NDF: 458687.4/22

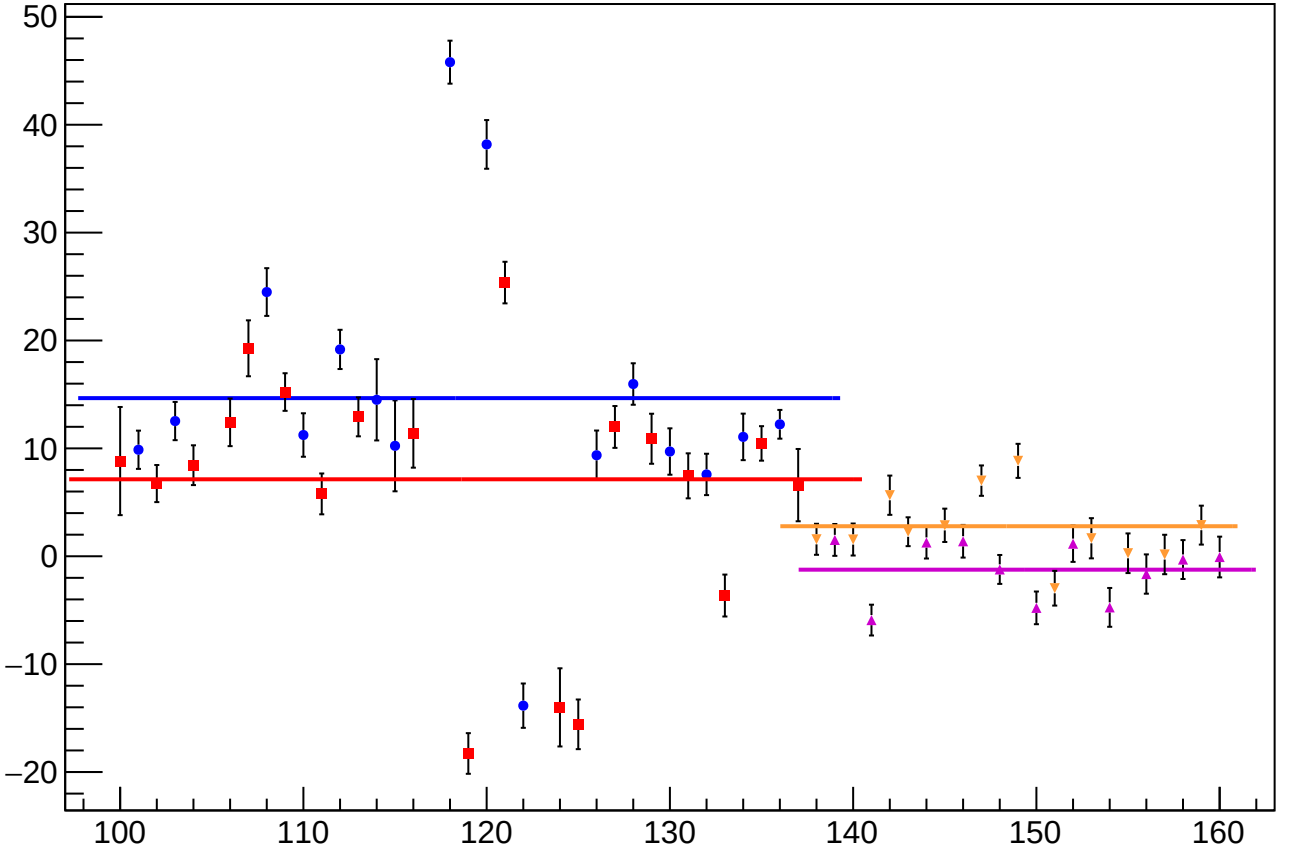
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1604.845+/-0.285 χ^2/NDF:1074595.0/26

Out: 1579.497+/-0.278 χ^2/NDF:1148508.8/30

All: 1591.865+/-0.199 χ^2/NDF: 2227149.5/57

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: -1.244+/-0.478 χ^2/NDF:32.1/10

Left: 0.841+/-0.332 χ^2/NDF: 113.7/22

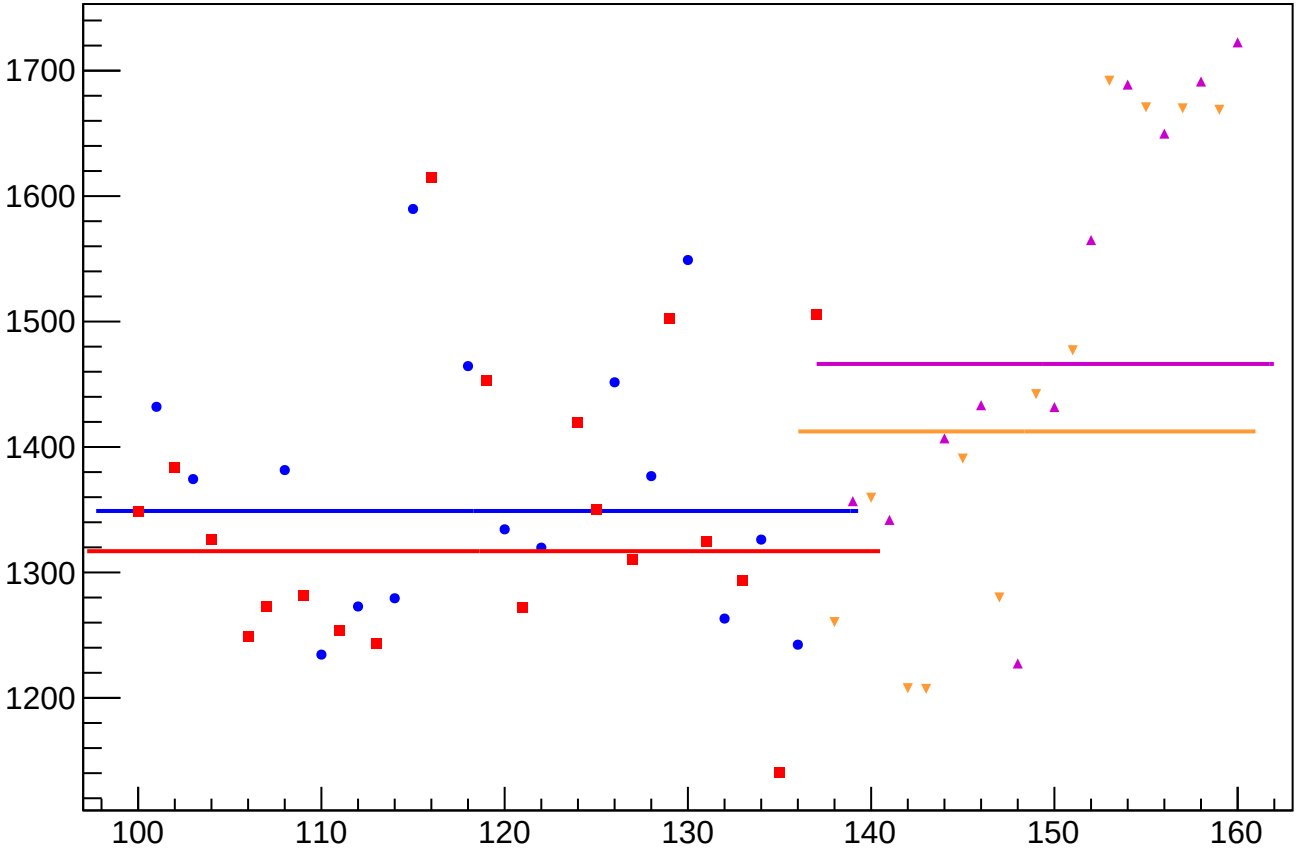
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 6.275+/-0.347 χ^2/NDF:1170.7/26

Out: 4.858+/-0.334 χ^2/NDF:596.7/30

All: 5.539+/-0.240 χ^2/NDF: 1776.0/57

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: 1466.199+/-0.338 χ^2/NDF:220668.8/10

Left: 1438.356+/-0.235 χ^2/NDF: 517700.3/22

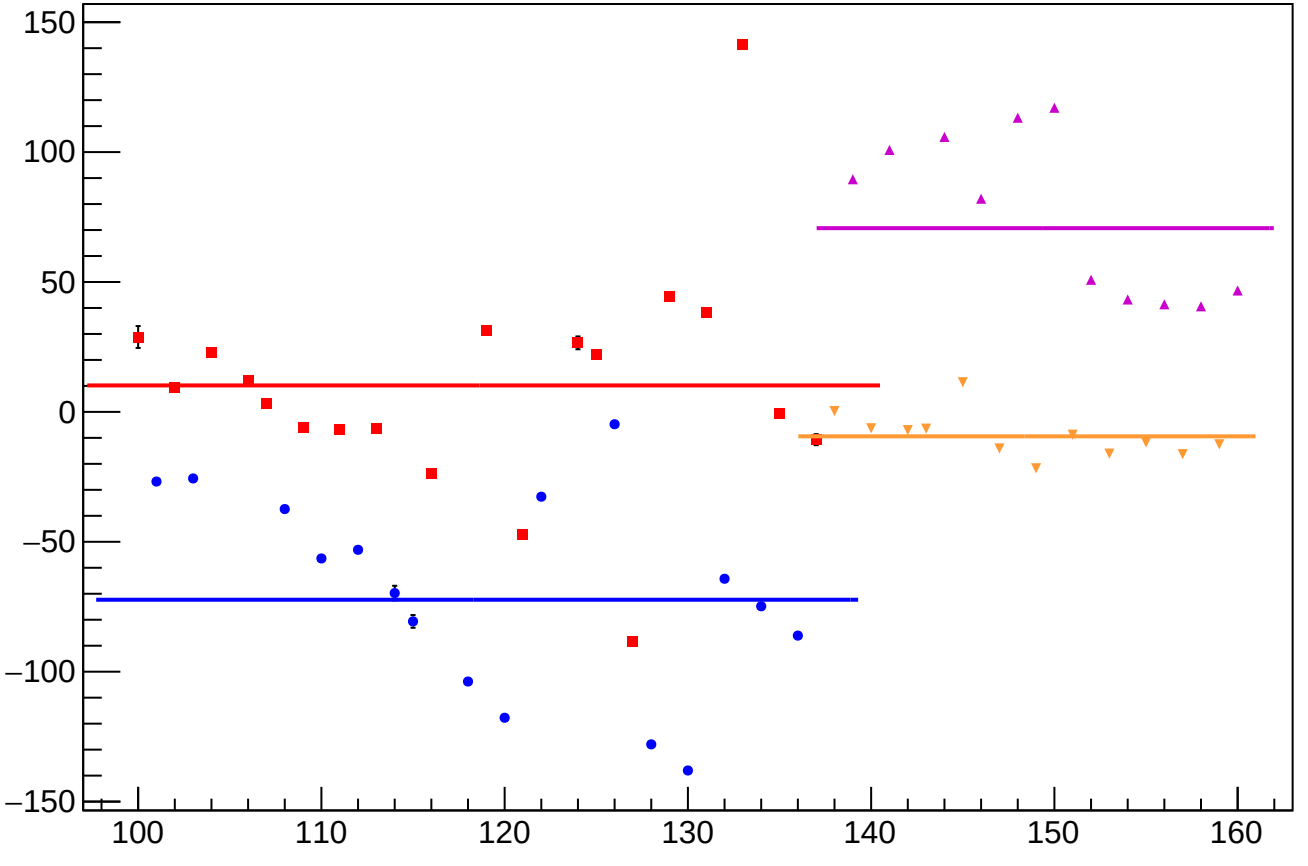
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1410.788+/-0.245 χ^2/NDF:345956.2/26

Out: 1366.896+/-0.236 χ^2/NDF:411609.2/30

All: 1387.987+/-0.170 χ^2/NDF: 774197.7/57

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: 70.719+/-0.289 χ^2/NDF:10030.1/10

Left: 29.789+/-0.202 χ^2/NDF: 49993.2/22

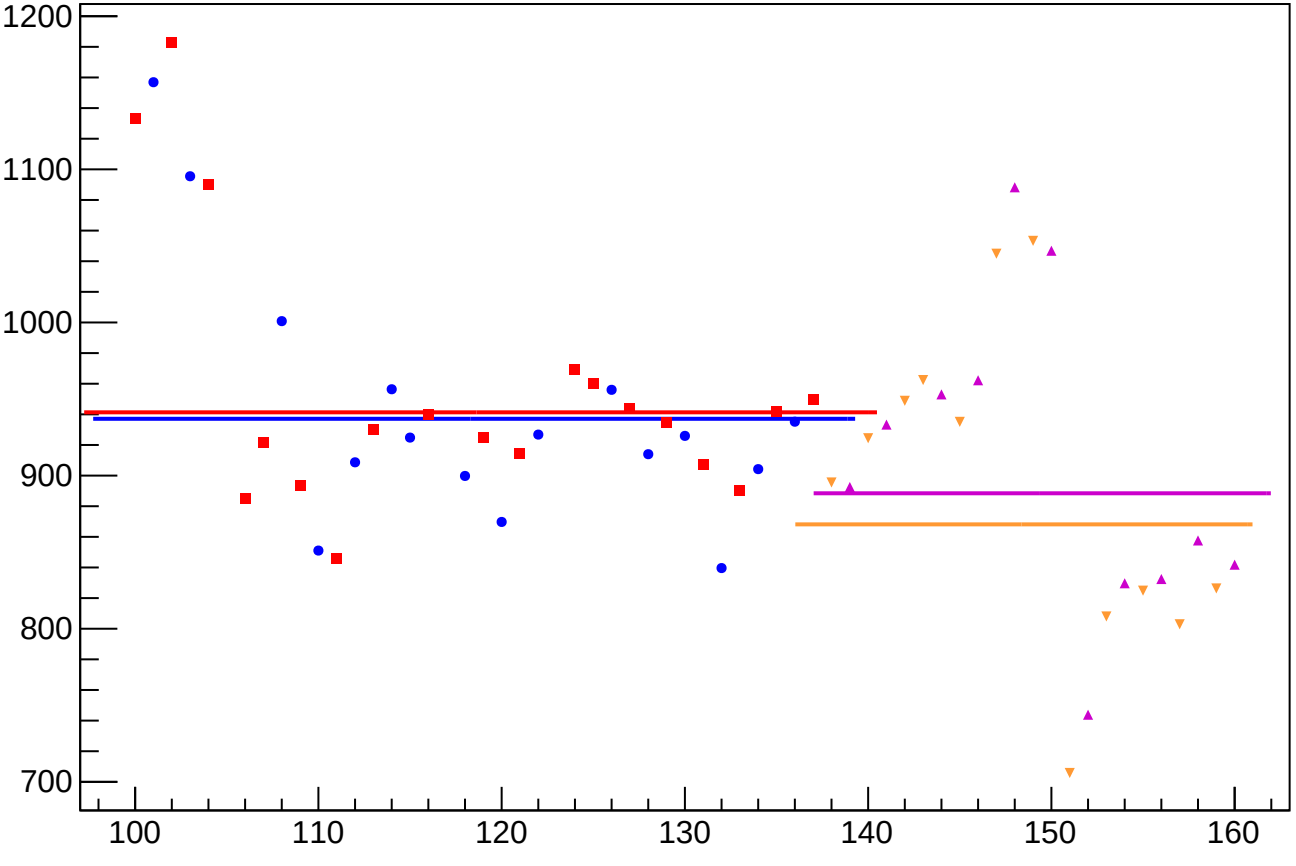
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 12.555+/-0.223 χ^2/NDF:121569.4/26

Out: -1.509+/-0.219 χ^2/NDF:21757.8/30

All: 5.392+/-0.156 χ^2/NDF: 145355.9/57

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: 888.451+/-0.205 χ^2/NDF:209211.4/10

Left: 878.081+/-0.143 χ^2/NDF: 469655.4/22

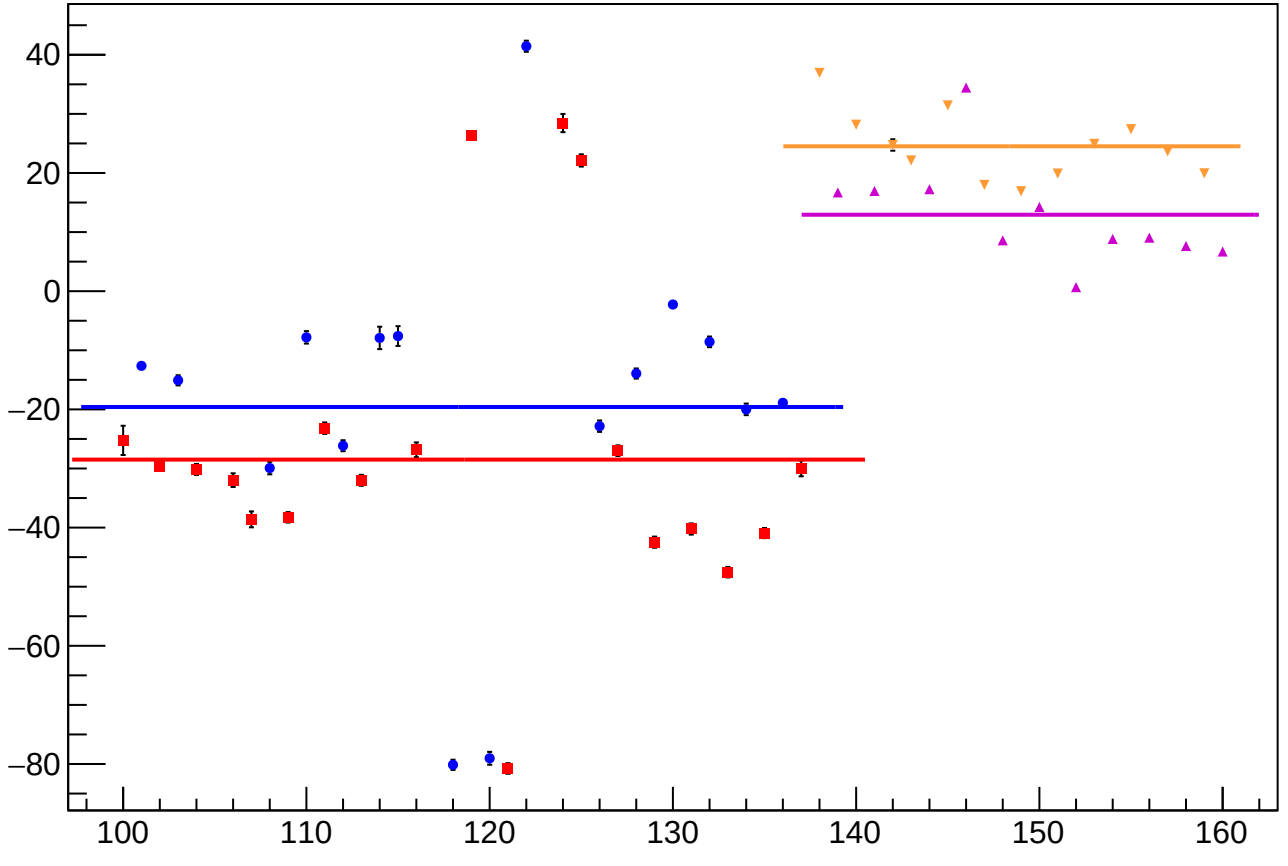
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 908.234+/-0.158 χ^2/NDF:336867.0/26

Out: 897.645+/-0.155 χ^2/NDF:410293.4/30

All: 902.841+/-0.110 χ^2/NDF: 749460.5/57

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: 12.935+/-0.221 χ^2/NDF:1548.1/10

Left: 18.909+/-0.154 χ^2/NDF: 3678.5/22

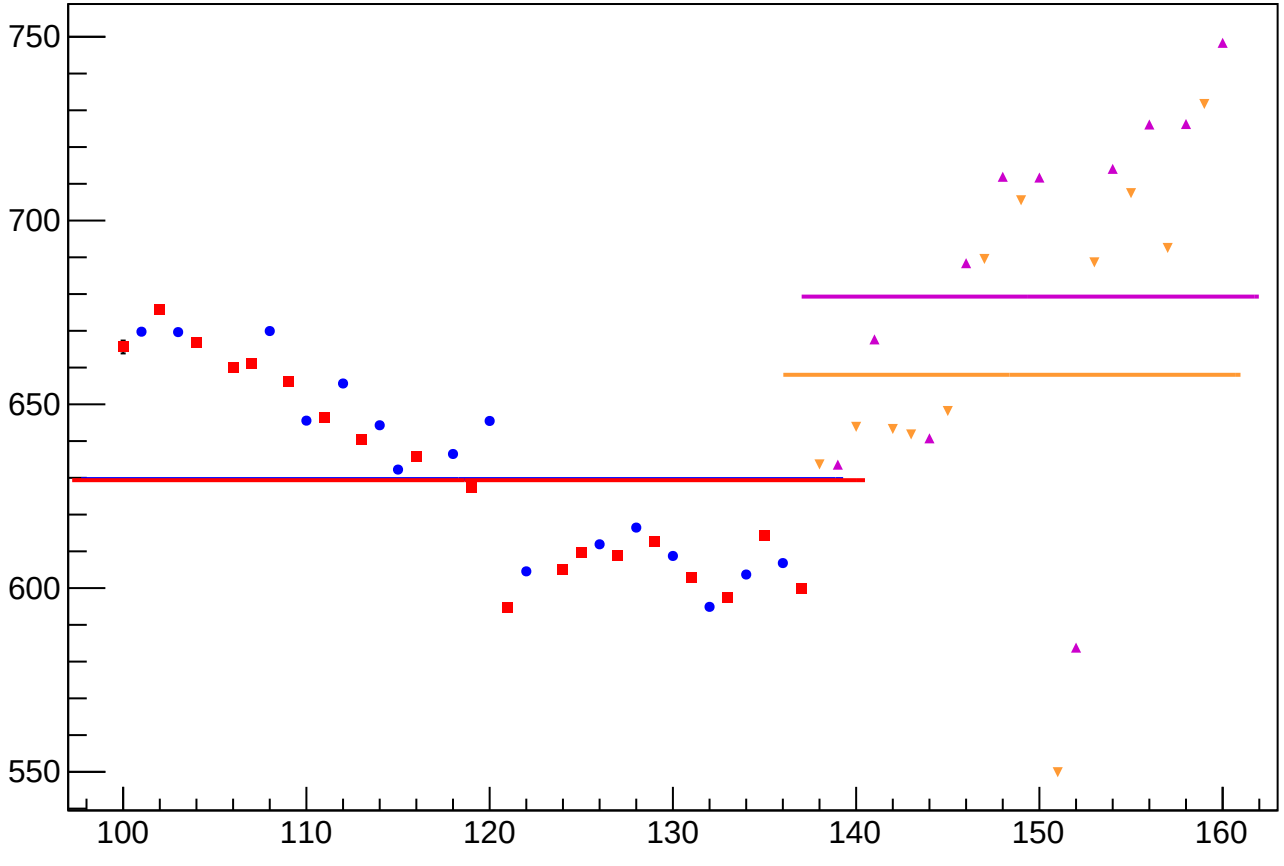
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -2.381+/-0.161 χ^2/NDF:24941.5/26

Out: -0.109+/-0.157 χ^2/NDF:42210.8/30

All: -1.216+/-0.112 χ^2/NDF: 67254.9/57

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: 679.310+/-0.156 χ^2/NDF:101238.6/10

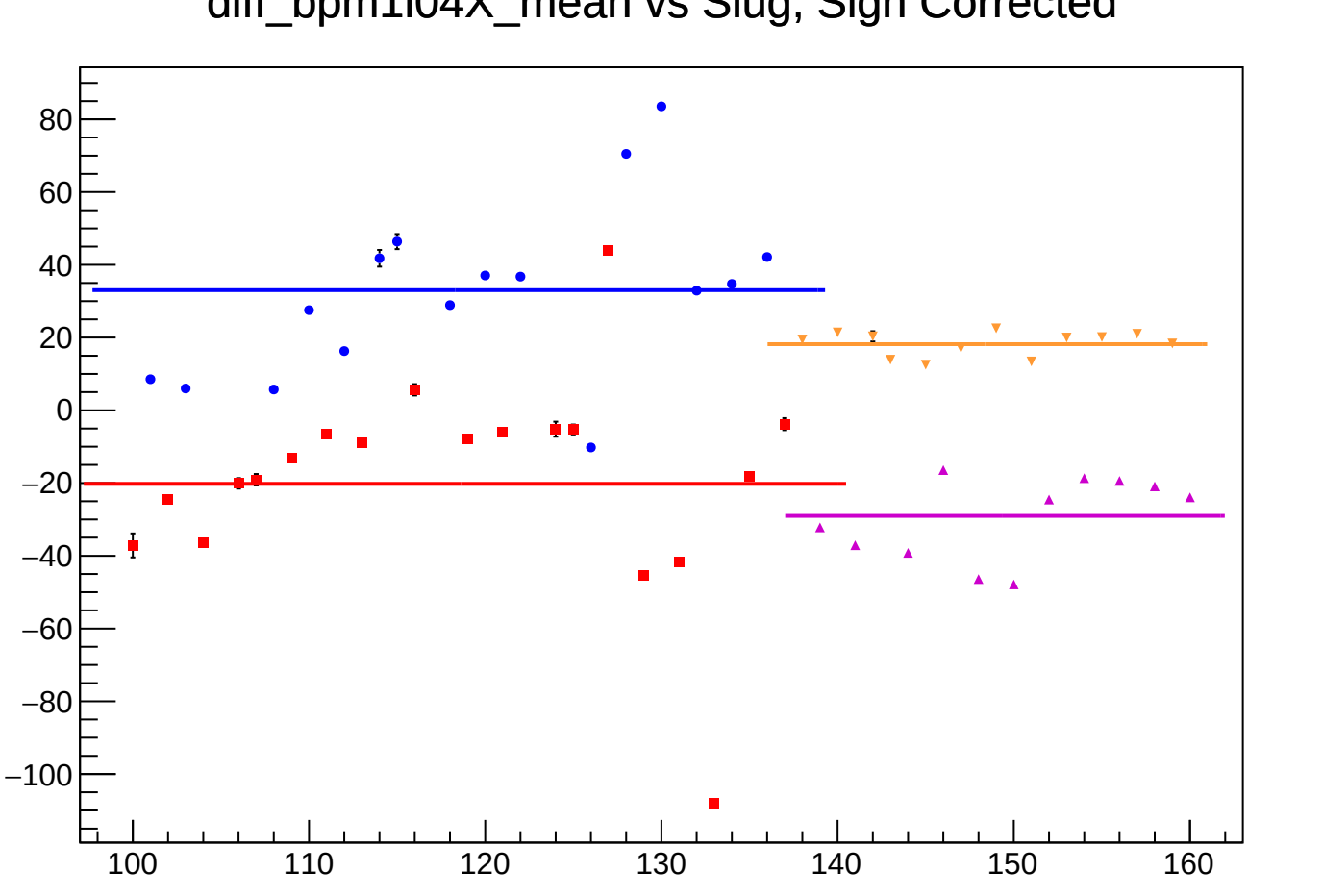
Left: 668.337+/-0.109 χ^2/NDF: 224875.3/22

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

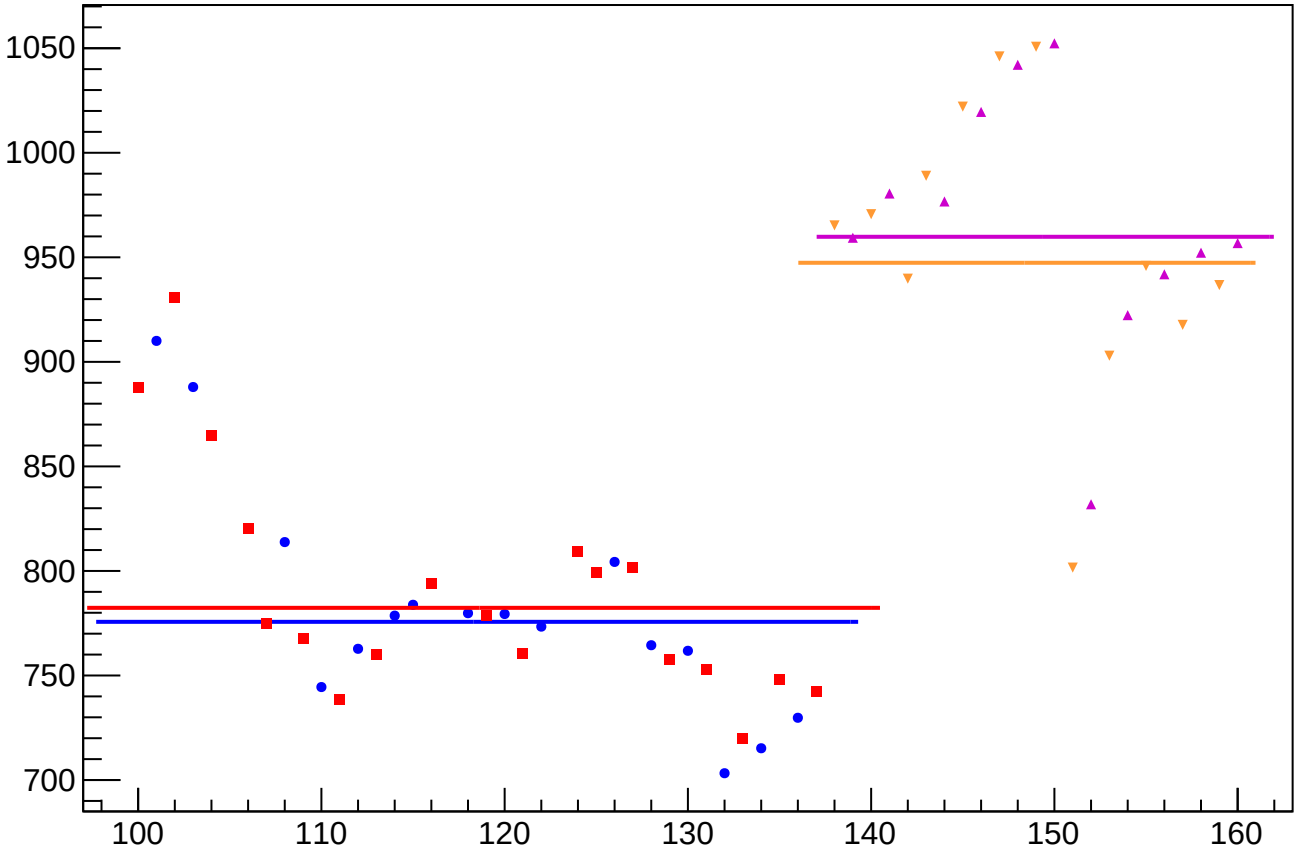
In: 655.934+/-0.114 χ^2/NDF:174180.9/26

Out: 644.715+/-0.111 χ^2/NDF:157538.3/30

All: 650.181+/-0.079 χ^2/NDF: 336725.1/57


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 18.181+/-0.308 χ²/NDF:112.8/11
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -29.012+/-0.311 χ²/NDF:1131.9/10
Left: -5.127+/-0.219 χ²/NDF: 12865.4/22
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 4.337+/-0.212 χ²/NDF:29163.2/26
Out: -2.419+/-0.209 χ²/NDF:20338.7/30
All: 0.921+/-0.149 χ²/NDF: 50016.3/57

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: 959.821+/-0.220 χ^2/NDF:76155.9/10

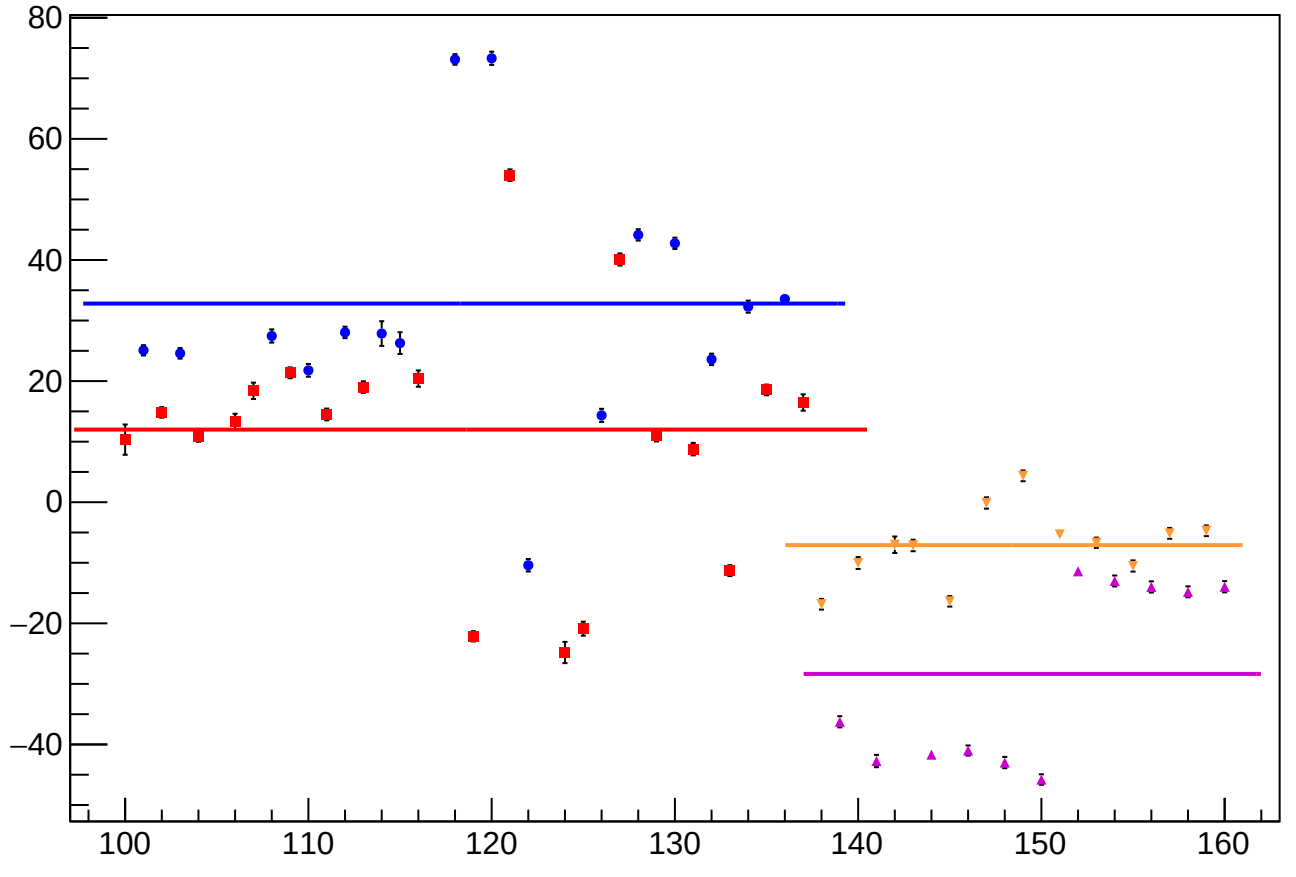
Left: 953.528+/-0.155 χ^2/NDF: 183544.1/22

Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 860.836+/-0.150 χ^2/NDF:526651.8/26

Out: 858.848+/-0.148 χ^2/NDF:479080.8/30

All: 859.831+/-0.105 χ^2/NDF: 1005821.8/57



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: -28.354+/-0.264 χ^2/NDF:2975.0/10

Left: -17.504+/-0.185 χ^2/NDF: 6773.5/22

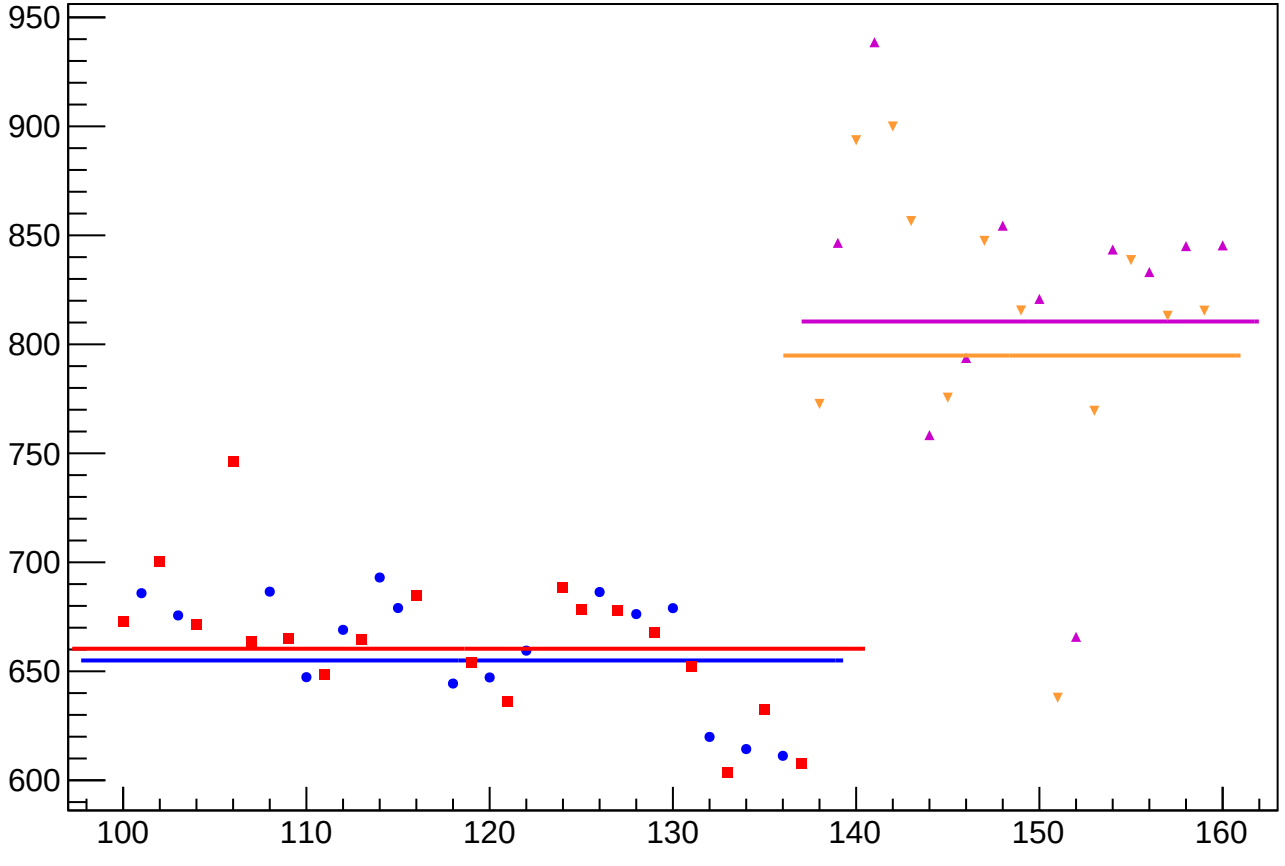
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 4.744+/-0.179 χ^2/NDF:38172.4/26

Out: 3.140+/-0.177 χ^2/NDF:9965.1/30

All: 3.930+/-0.126 χ^2/NDF: 48178.2/57

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: 810.473+/-0.187 χ^2/NDF:138447.9/10

Left: 802.503+/-0.131 χ^2/NDF: 302988.8/22

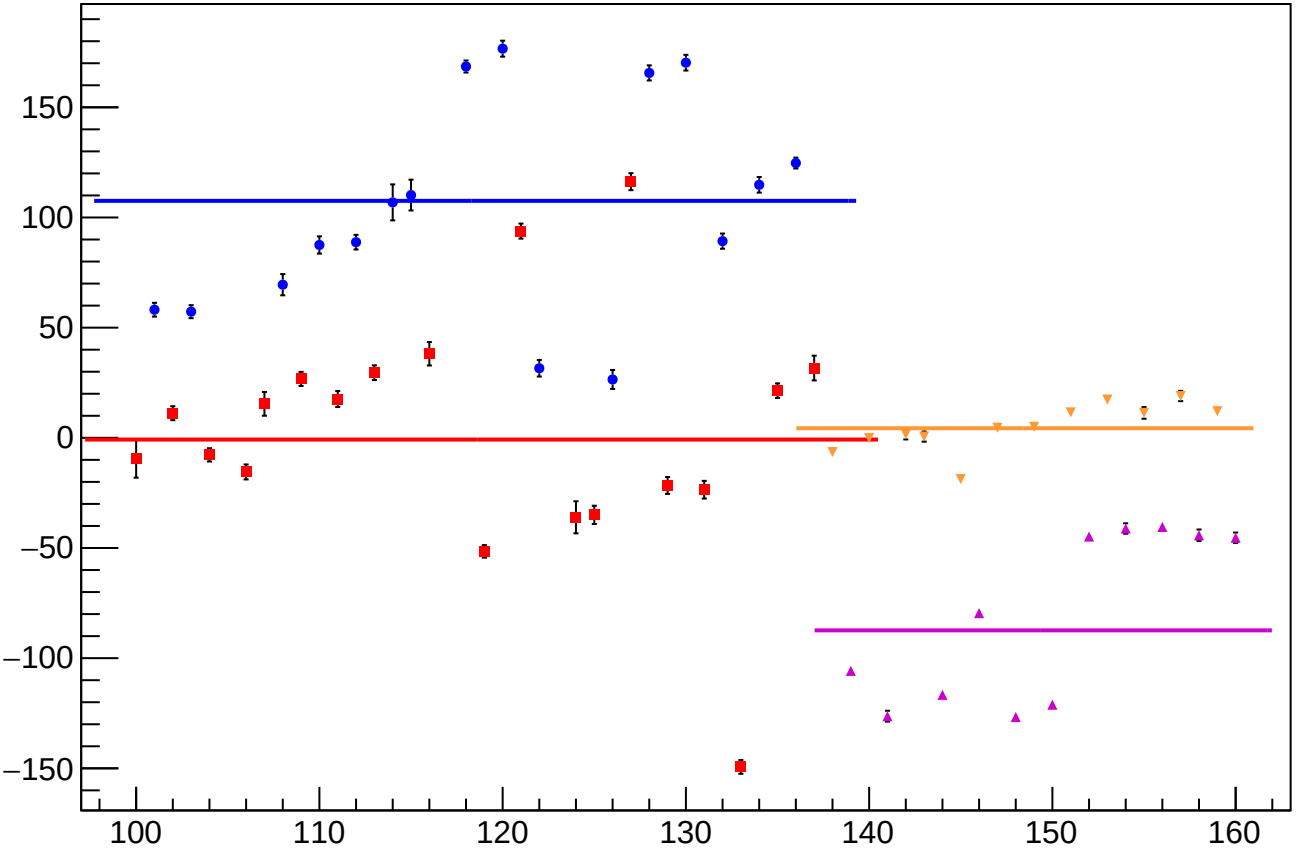
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 726.316+/-0.127 χ^2/NDF:539372.6/26

Out: 722.766+/-0.125 χ^2/NDF:480142.9/30

All: 724.515+/-0.089 χ^2/NDF: 1019914.0/57

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: -87.385+/-0.611 χ^2/NDF:3301.8/10

Left: -40.987+/-0.429 χ^2/NDF: 14993.8/22

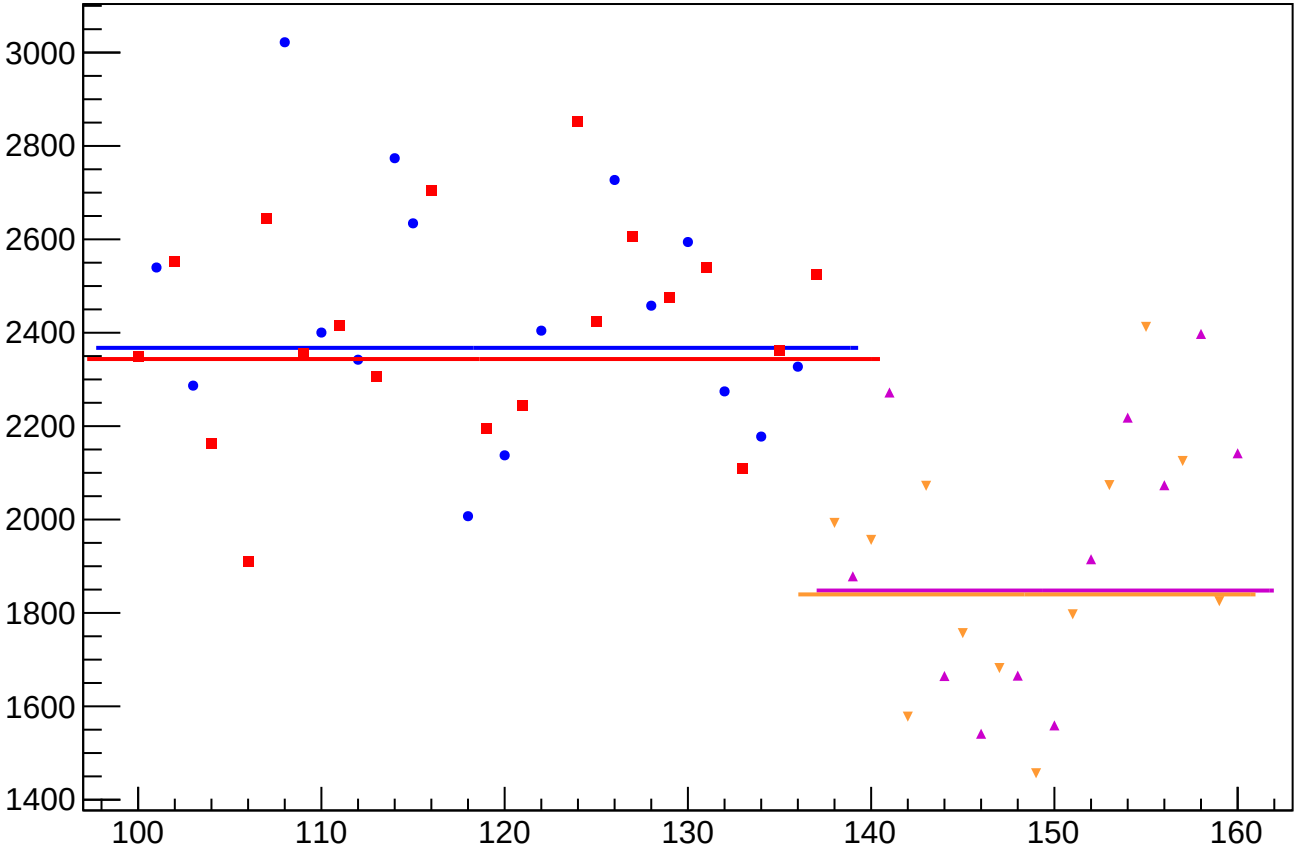
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -24.547+/-0.503 χ^2/NDF:39108.9/26

Out: 2.658+/-0.494 χ^2/NDF:5064.4/30

All: -10.714+/-0.352 χ^2/NDF: 45662.7/57

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: 1847.957+/-0.432 χ^2/NDF:421135.9/10

Left: 1843.765+/-0.304 χ^2/NDF: 758956.6/22

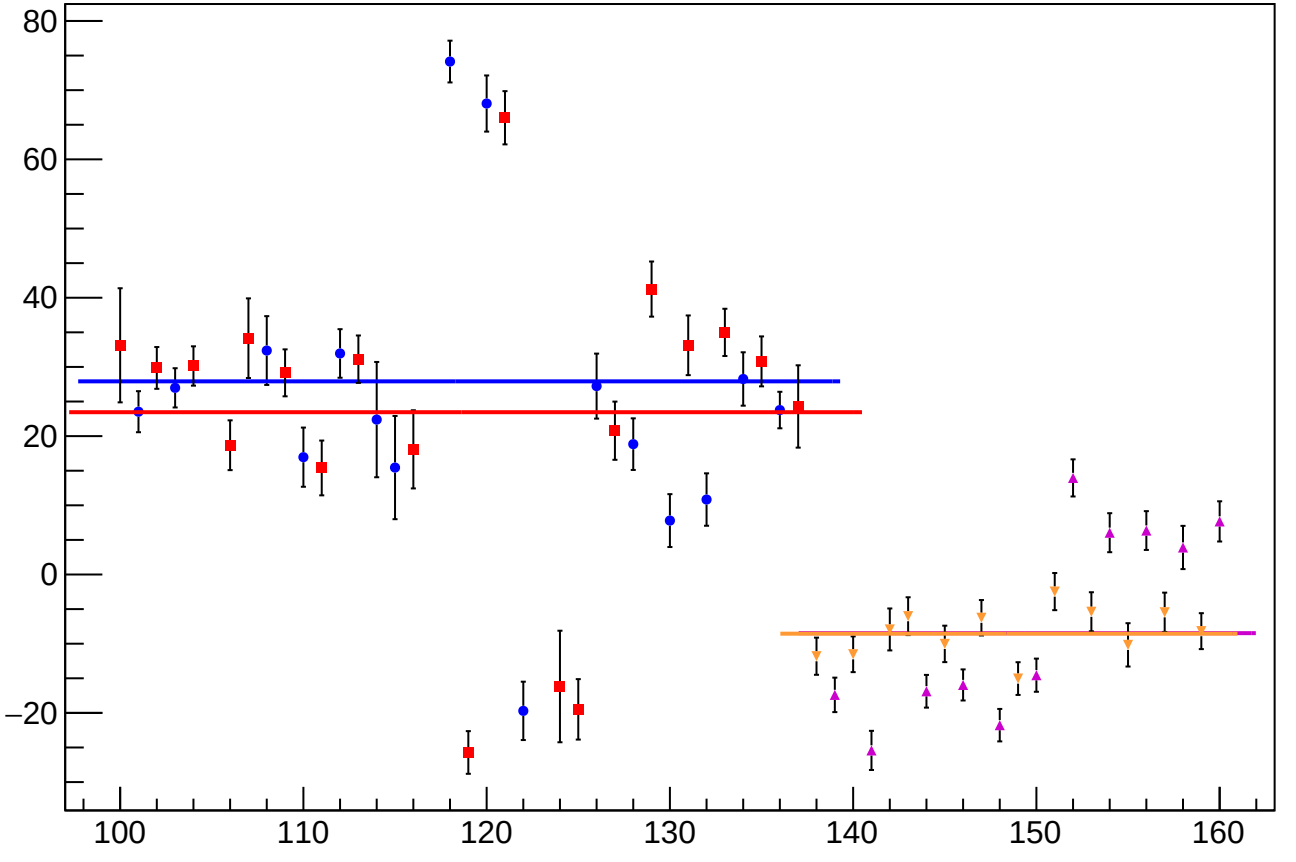
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2015.477+/-0.355 χ^2/NDF:1014859.5/26

Out: 2005.809+/-0.349 χ^2/NDF:909581.2/30

All: 2010.561+/-0.249 χ^2/NDF: 1924817.0/57

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: -8.476+/-0.783 χ^2/NDF:282.0/10

Left: -8.514+/-0.552 χ^2/NDF: 302.3/22

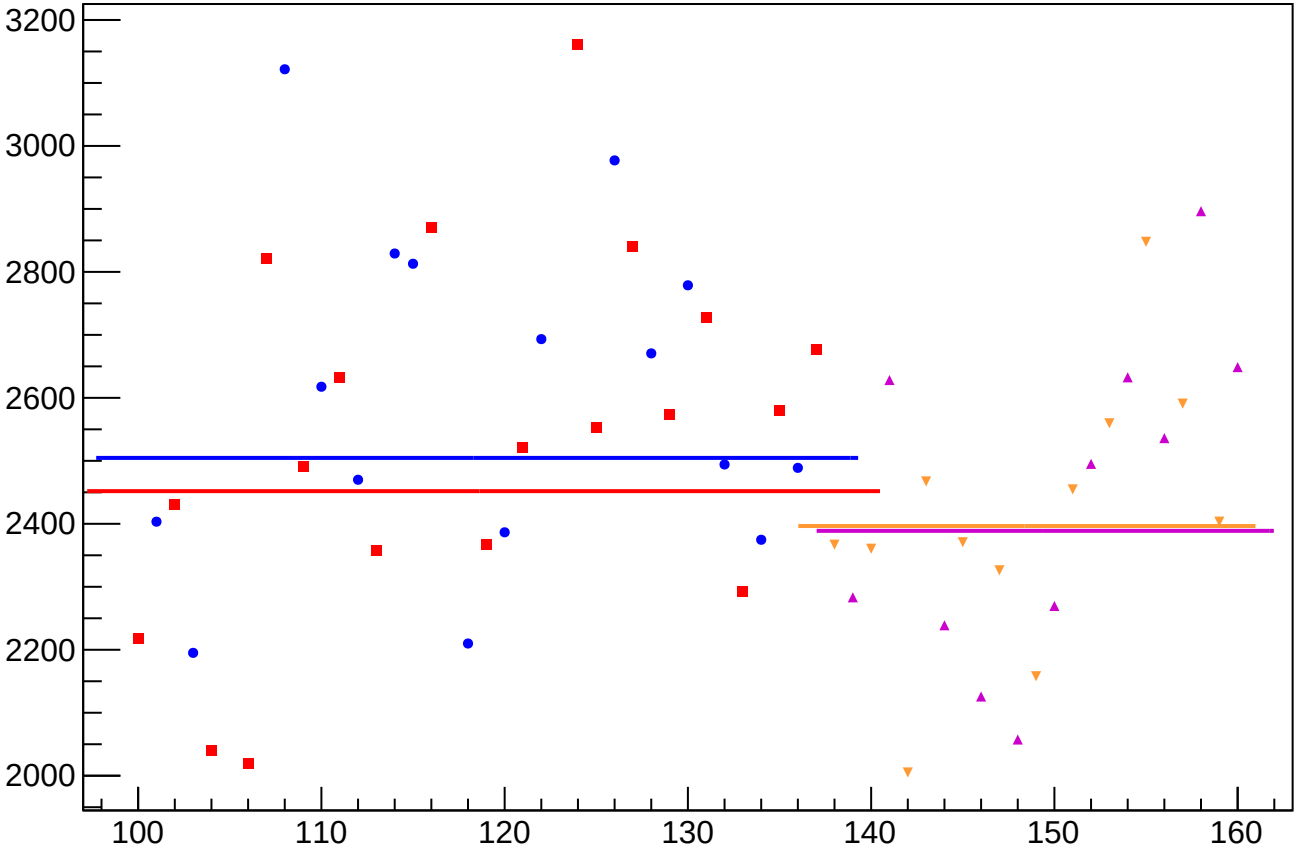
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.488+/-0.601 χ^2/NDF:1701.4/26

Out: 5.123+/-0.590 χ^2/NDF:1308.4/30

All: 5.793+/-0.421 χ^2/NDF: 3012.4/57

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: 2388.832+/-0.554 χ^2/NDF:190645.0/10

Left: 2392.673+/-0.391 χ^2/NDF: 306641.6/22

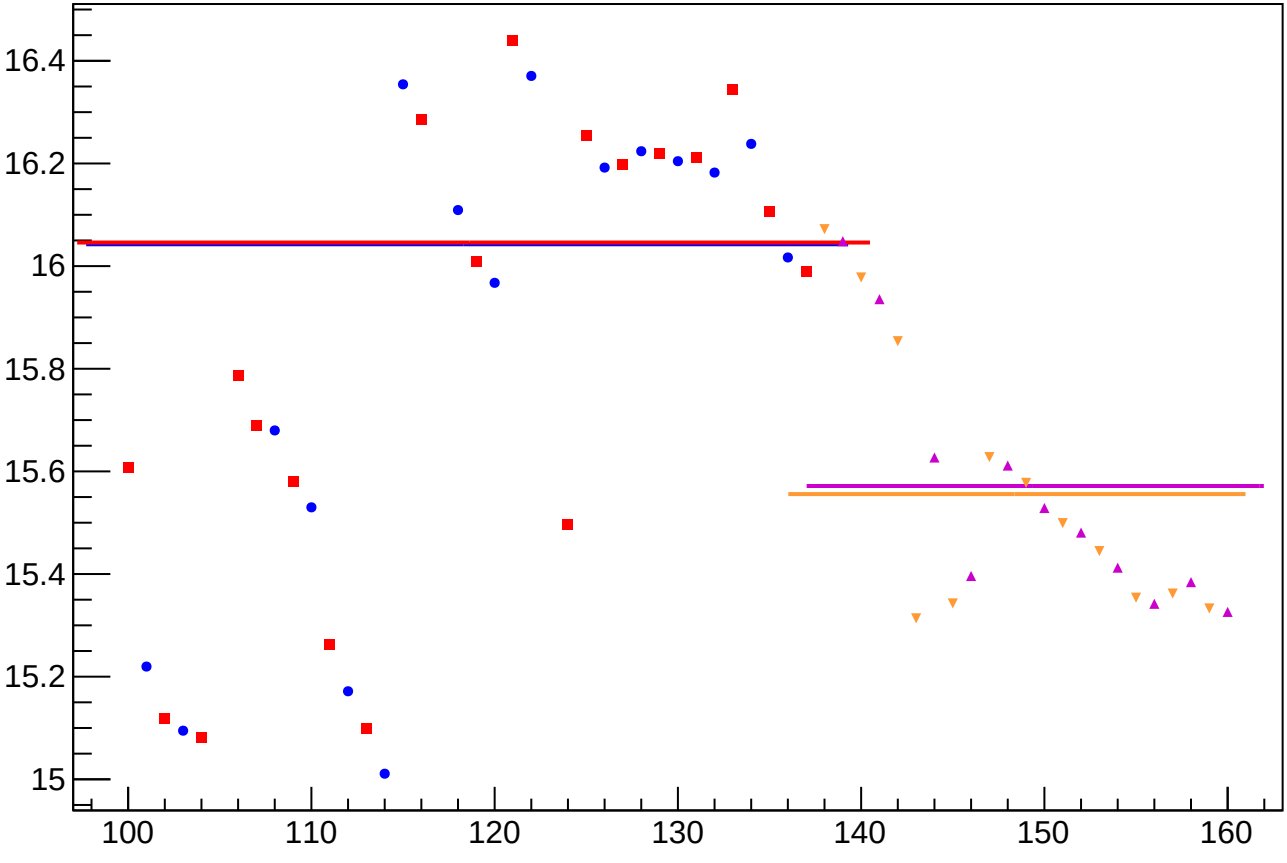
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2436.456+/-0.425 χ^2/NDF:335246.6/26

Out: 2420.149+/-0.417 χ^2/NDF:273453.0/30

All: 2428.156+/-0.298 χ^2/NDF: 609449.8/57

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: 15.572+/-0.000 χ^2/NDF:4073320426.1/10

Left: 15.563+/-0.000 χ^2/NDF: 9767016583.2/22

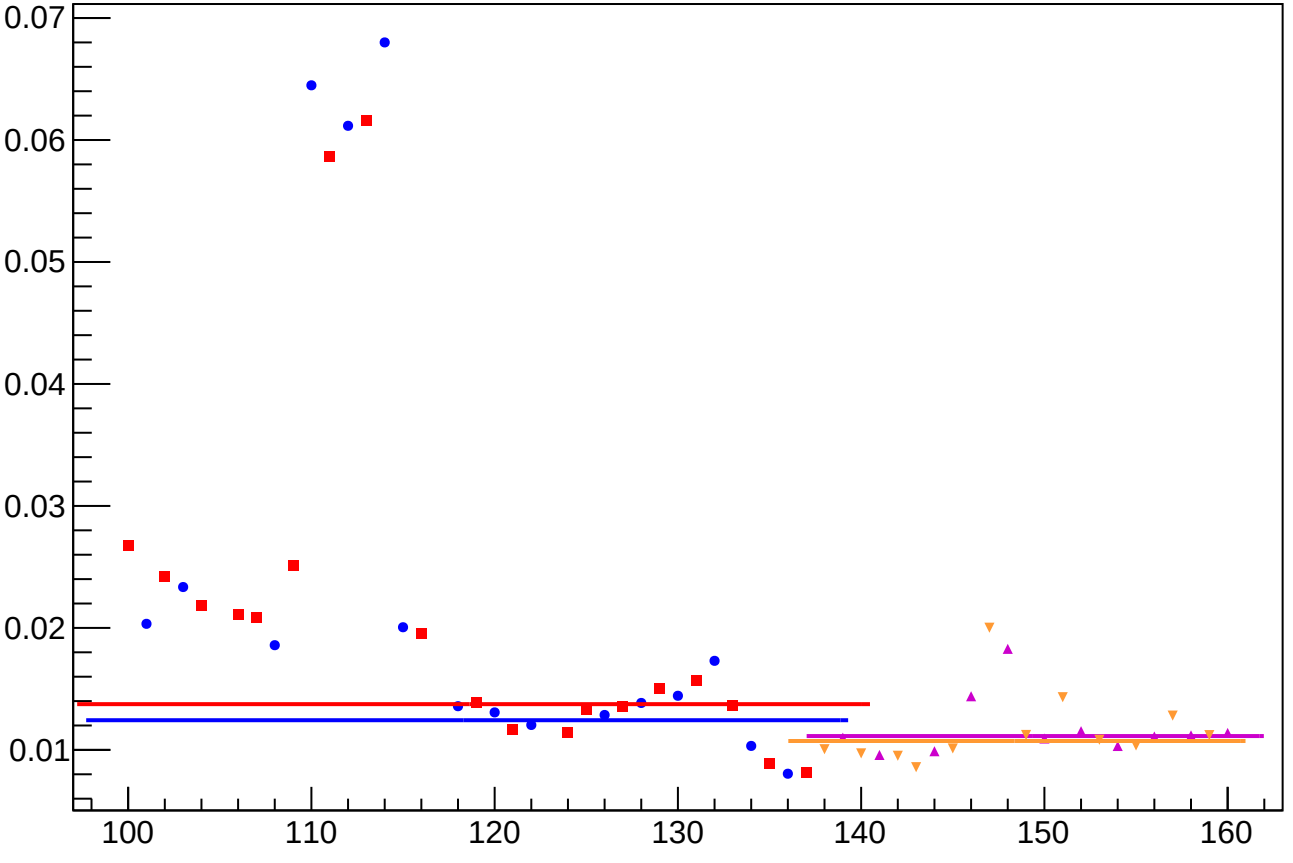
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.728+/-0.000 χ^2/NDF:12184345627.6/26

Out: 15.695+/-0.000 χ^2/NDF:14410218055.7/30

All: 15.712+/-0.000 χ^2/NDF: 26653330872.8

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:409059.4/10

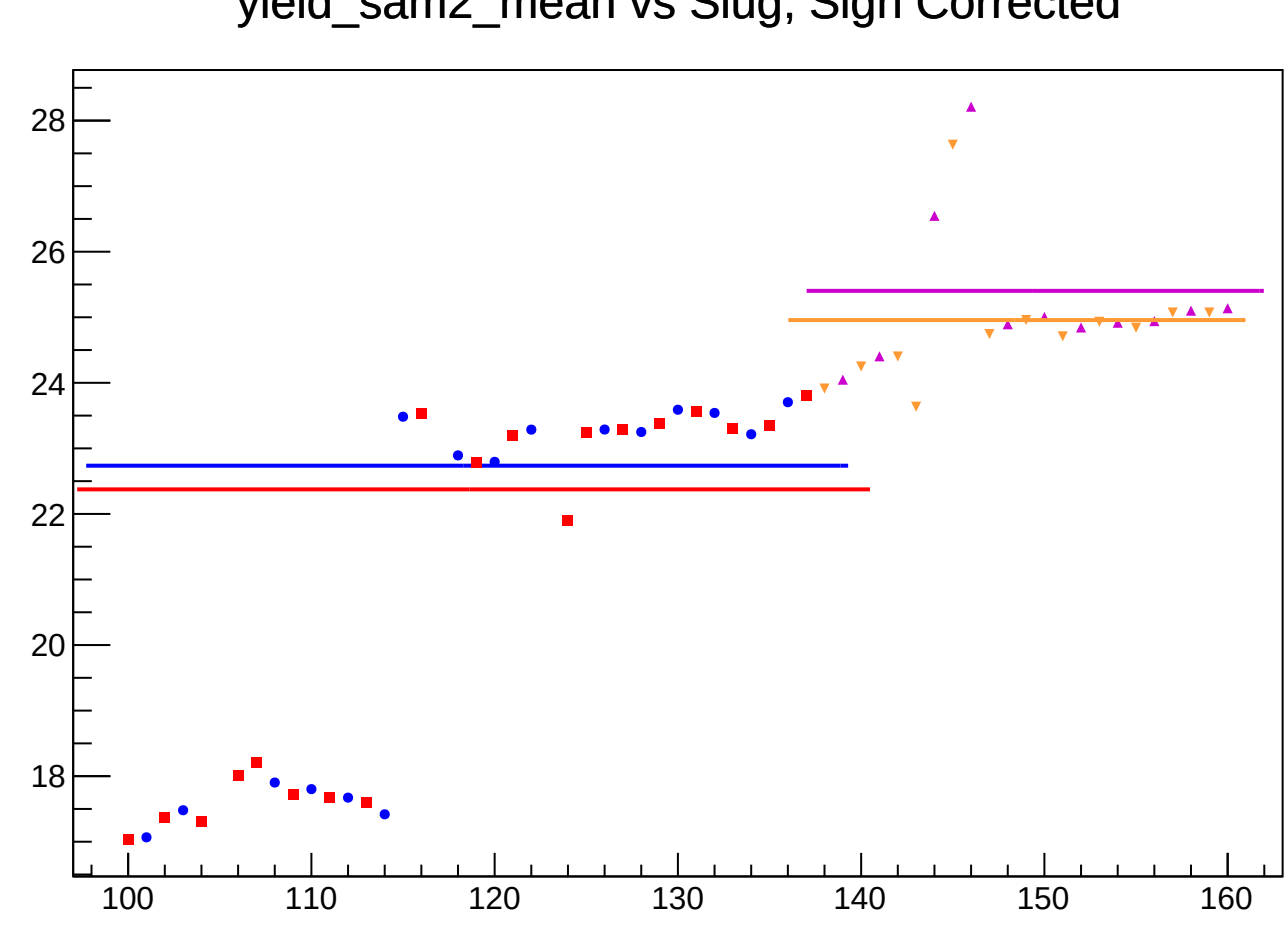
Left: 0.011+/-0.000 χ^2/NDF: 1051264.3/22

Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

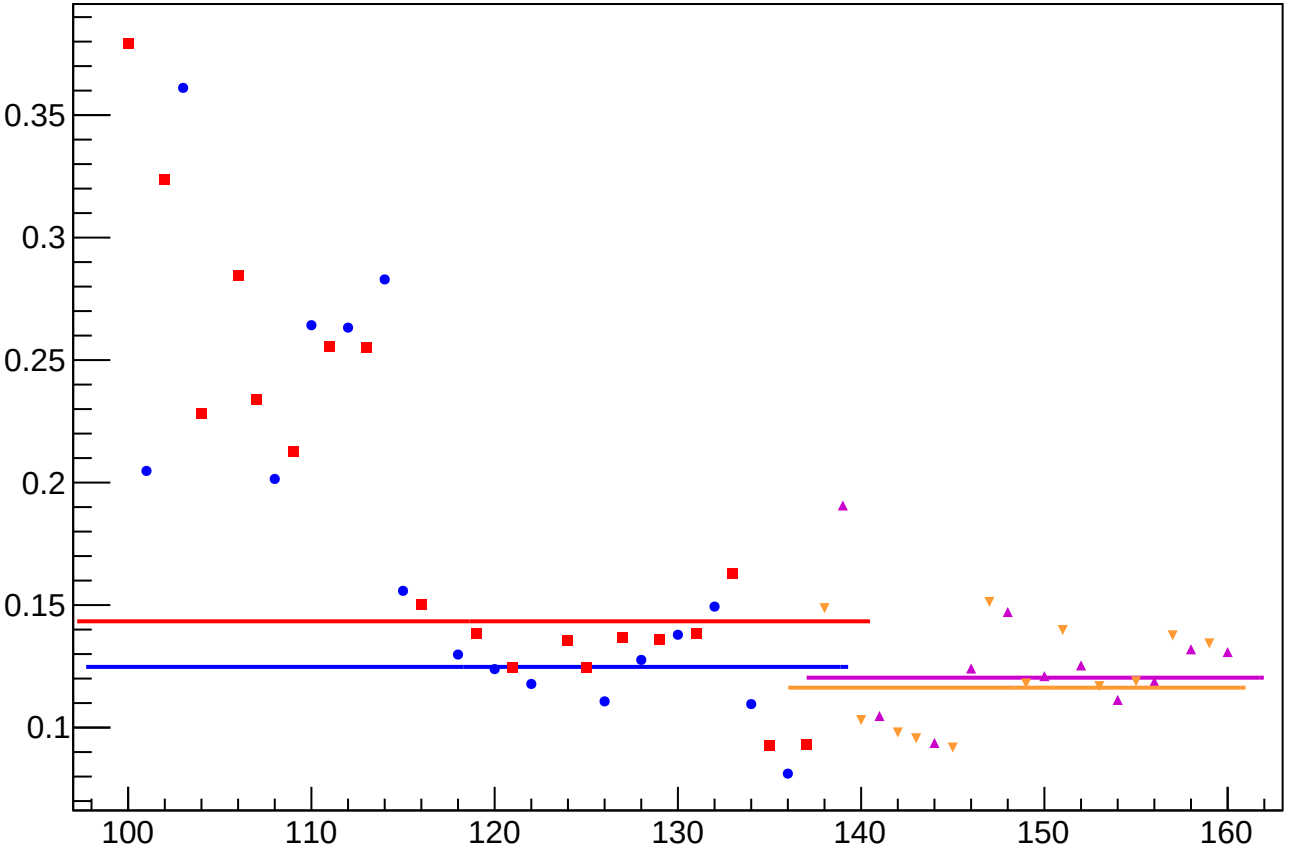
In: 0.012+/-0.000 χ^2/NDF:2805968.5/26

Out: 0.012+/-0.000 χ^2/NDF:3253863.4/30

All: 0.012+/-0.000 χ^2/NDF: 6059880.8/57


yield_sam2_mean vs Slug, Sign Corrected
28
26
24
22
20
18
100
110
120
130
140
150
160
Right In: 22.736+/-0.000 χ²/NDF: 1220713728.0/15
Left Out: 24.957+/-0.000 χ²/NDF:764440611.6/11
Right Out: 22.375+/-0.000 χ²/NDF: 1215661430.7/18
Left In: 25.403+/-0.000 χ²/NDF:682561999.4/10
Left: 25.175+/-0.000 χ²/NDF: 1503967371.8/22
Right: 22.574+/-0.000 χ²/NDF: 2456494994.8/34
In: 24.389+/-0.000 χ²/NDF:3417698653.7/26
Out: 24.125+/-0.000 χ²/NDF:3243496603.2/30
All: 24.260+/-0.000 χ²/NDF: 6692070654.4/5

yield_sam2_rms vs Slug, Sign Corrected



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: 0.120+/-0.000 χ^2/NDF:466852.4/10

Left: 0.118+/-0.000 χ^2/NDF: 929848.4/22

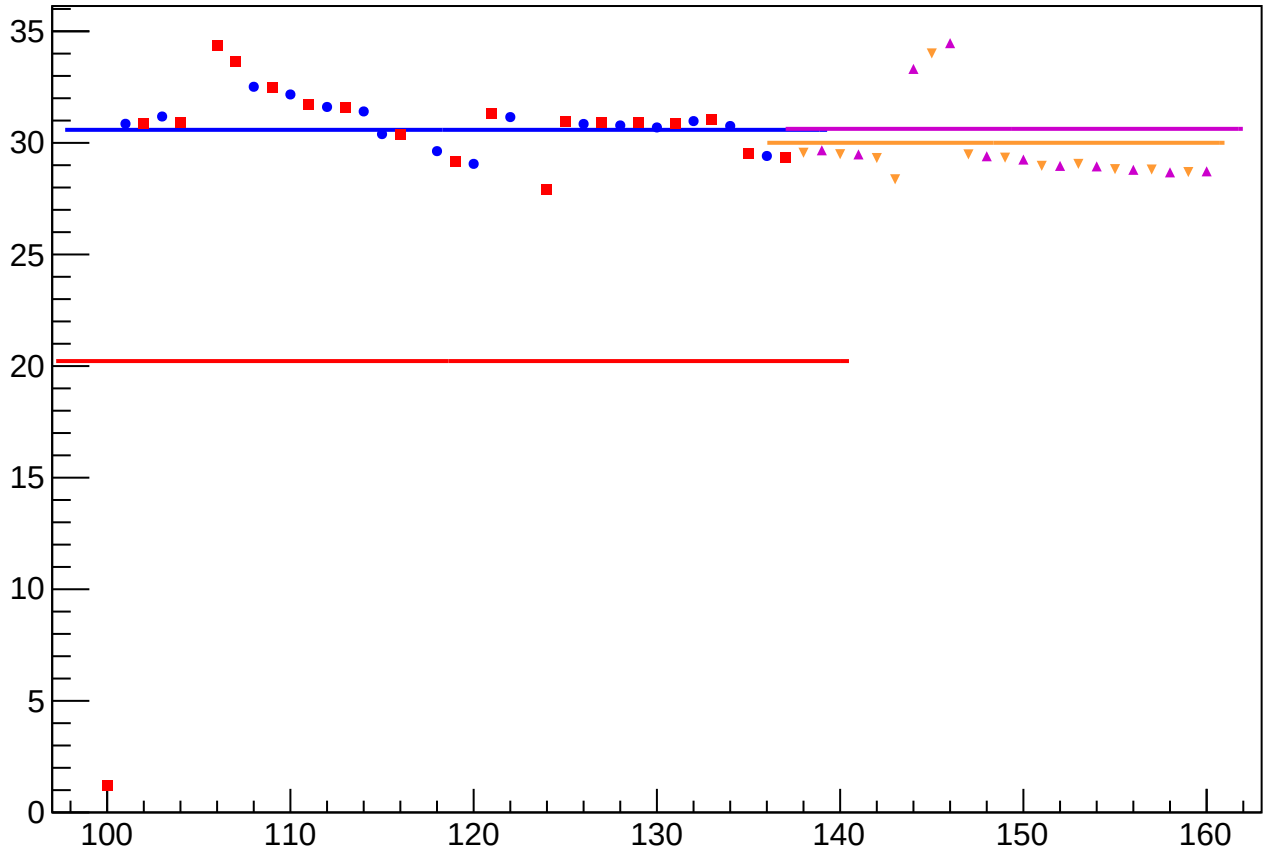
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2224901.1/26

Out: 0.125+/-0.000 χ^2/NDF:2301424.4/30

All: 0.123+/-0.000 χ^2/NDF: 4534167.3/57

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: 30.629+/-0.000 χ^2/NDF:8316785811.4/10

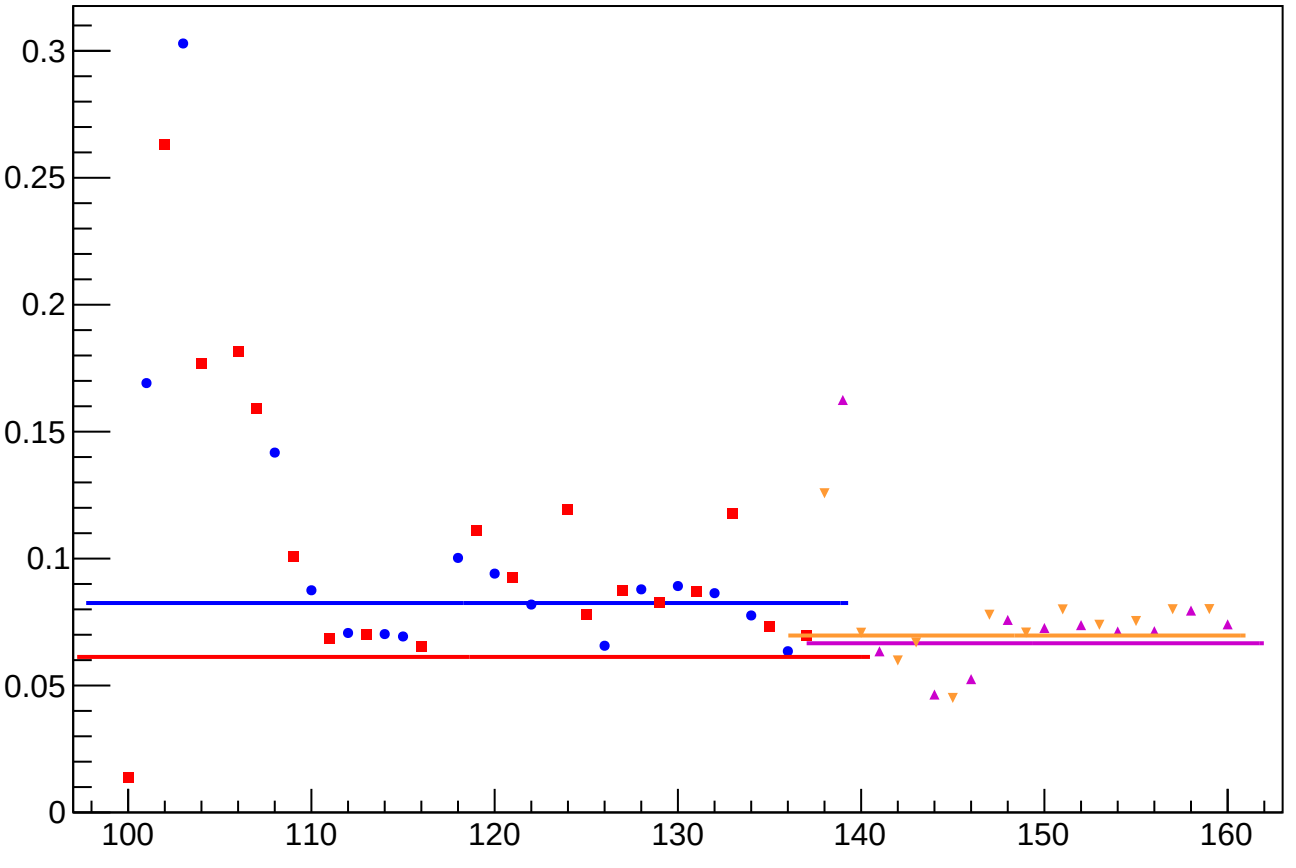
Left: 30.331+/-0.000 χ^2/NDF: 14337485005.0/22

Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.614+/-0.000 χ^2/NDF:8970081316.3/26

Out: 25.814+/-0.000 χ^2/NDF:286479197467.7/30

All: 28.128+/-0.000 χ^2/NDF: 323658980873.



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: 0.067+/-0.000 χ^2/NDF:1011697.1/10

Left: 0.068+/-0.000 χ^2/NDF: 1737546.8/22

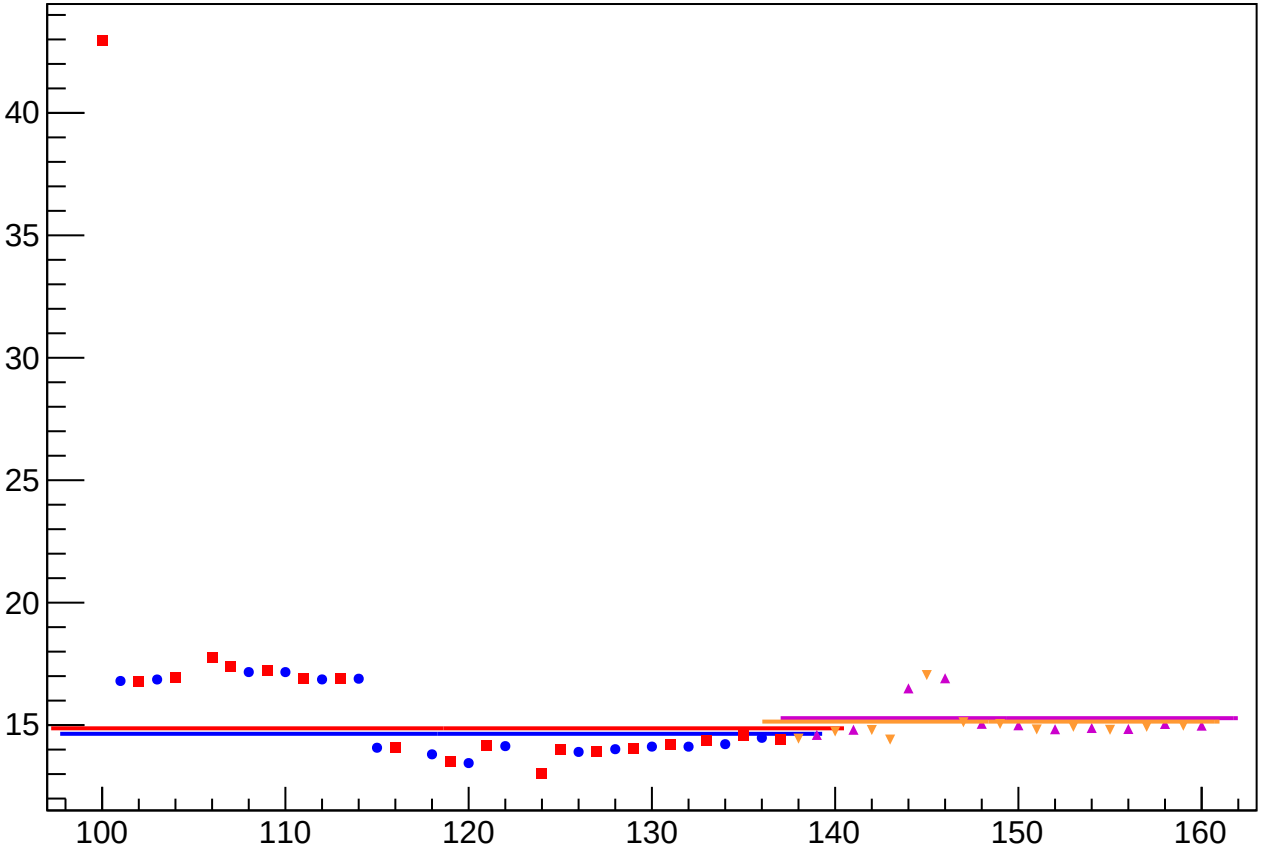
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.072+/-0.000 χ^2/NDF:2534700.3/26

Out: 0.066+/-0.000 χ^2/NDF:4814524.3/30

All: 0.069+/-0.000 χ^2/NDF: 7430274.6/57

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: 15.283+/-0.000 χ^2/NDF:890266649.6/10

Left: 15.214+/-0.000 χ^2/NDF: 1902651518.0/22

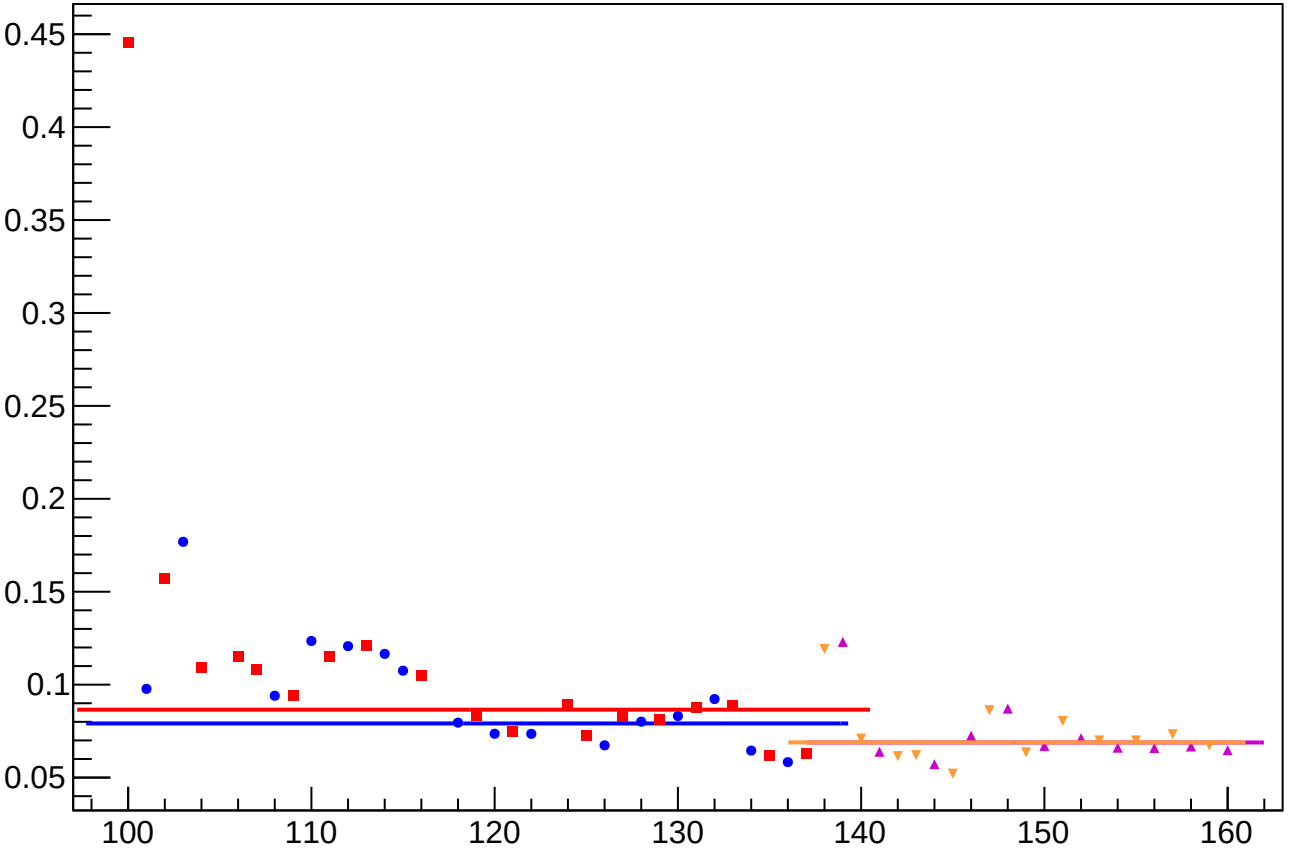
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.054+/-0.000 χ^2/NDF:2329700266.4/26

Out: 15.051+/-0.000 χ^2/NDF:2767512295.6/30

All: 15.053+/-0.000 χ^2/NDF: 5097223997.1/5

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:468512.1/10

Left: 0.069+/-0.000 χ^2/NDF: 984458.0/22

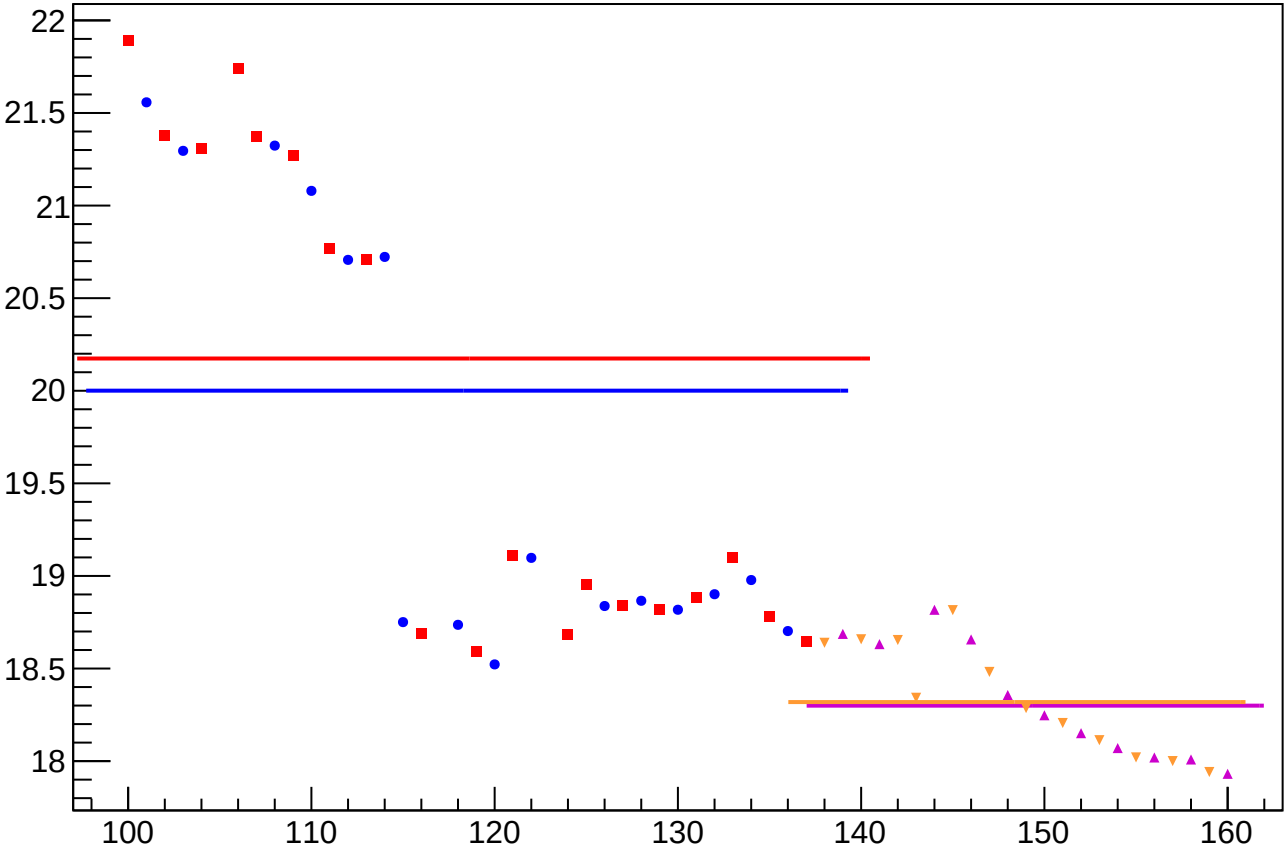
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.073+/-0.000 χ^2/NDF:1512990.1/26

Out: 0.075+/-0.000 χ^2/NDF:1648462.4/30

All: 0.074+/-0.000 χ^2/NDF: 3174409.0/57

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: 18.300+/-0.000 χ^2/NDF:817422023.1/10

Left: 18.309+/-0.000 χ^2/NDF: 1558701776.1/22

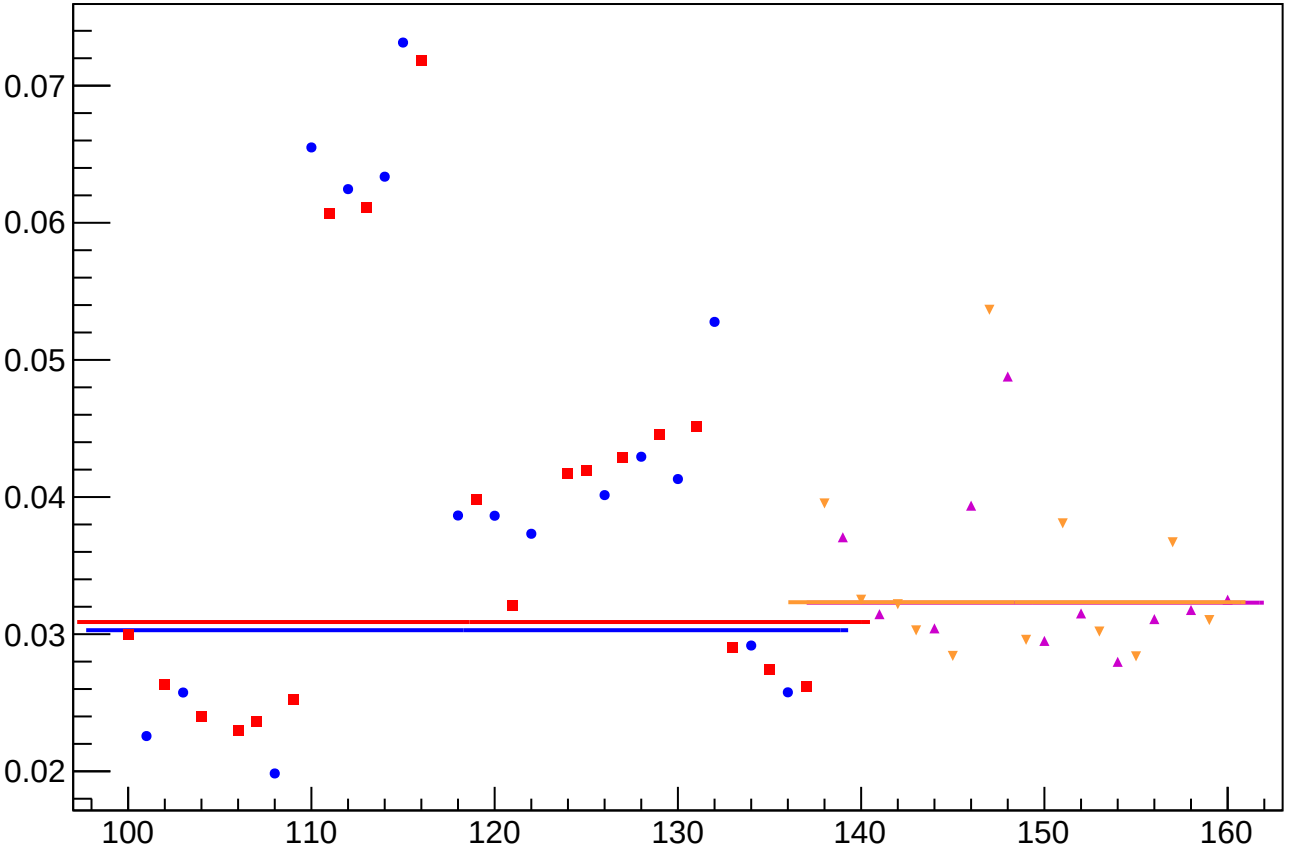
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.030+/-0.000 χ^2/NDF:22422712115.2/26

Out: 19.124+/-0.000 χ^2/NDF:23866024483.7/30

All: 19.077+/-0.000 χ^2/NDF: 46355254994.2

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:328611.1/10

Left: 0.032+/-0.000 χ^2/NDF: 780871.0/22

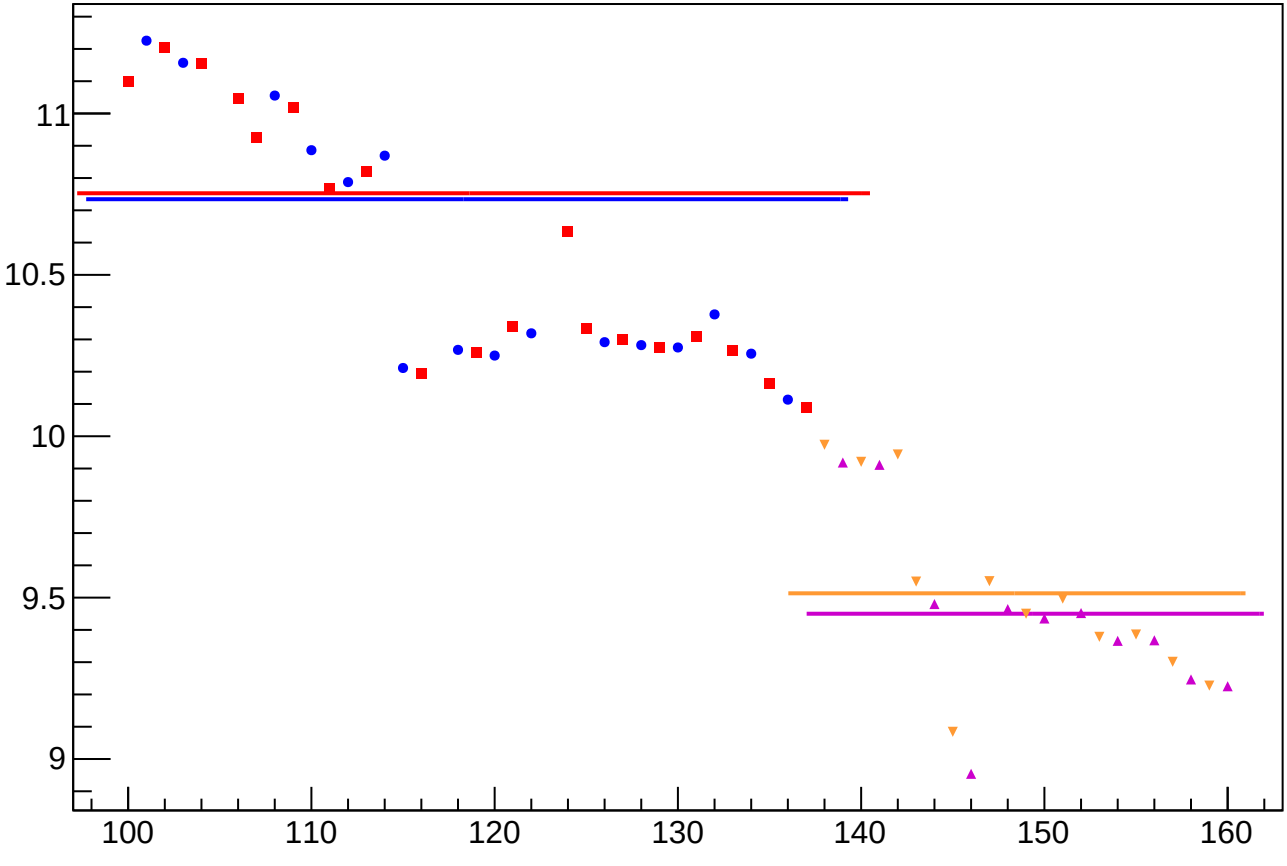
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1805851.5/26

Out: 0.032+/-0.000 χ^2/NDF:1672349.9/30

All: 0.032+/-0.000 χ^2/NDF: 3479286.8/57

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: 9.450+/-0.000 χ^2/NDF:1262355012.3/10

Left: 9.483+/-0.000 χ^2/NDF: 2875102246.8/22

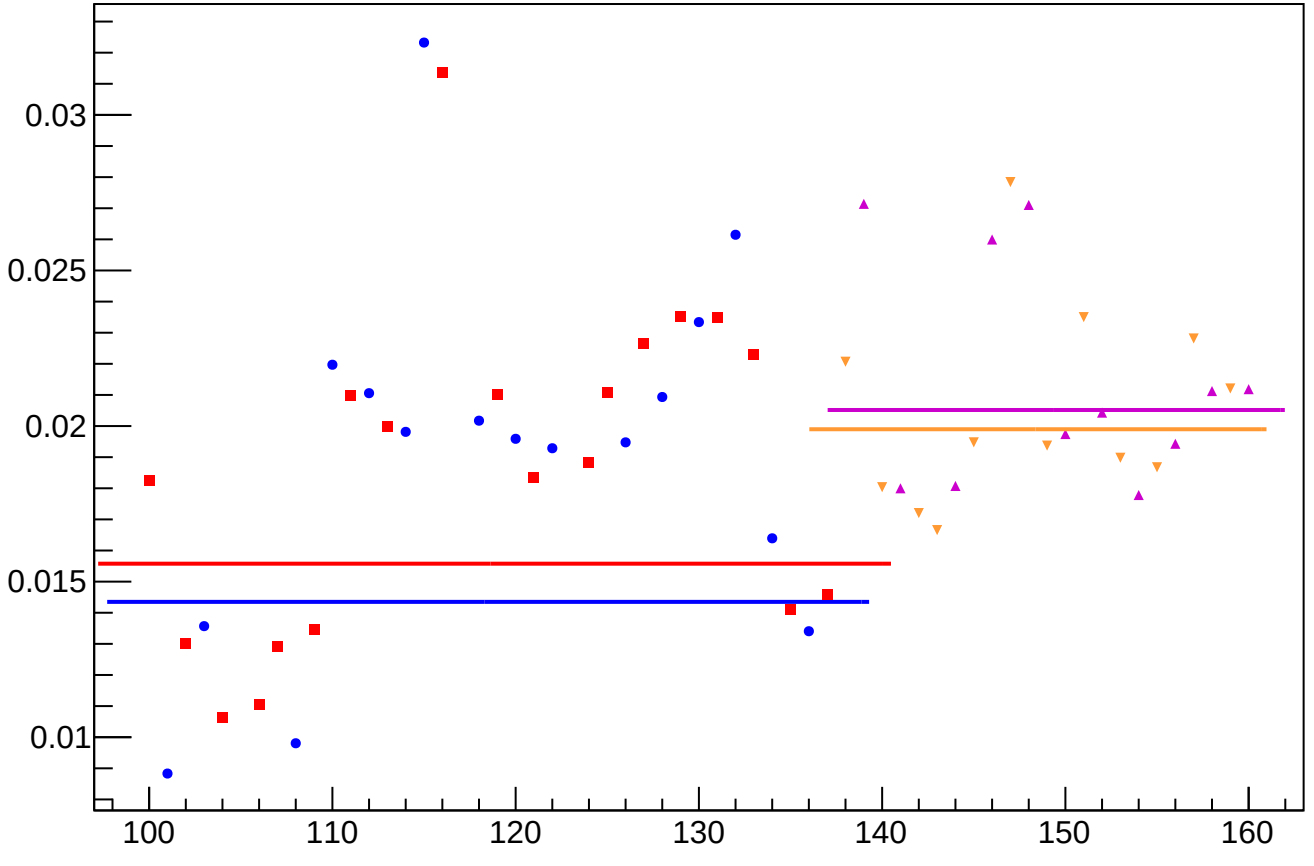
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.188+/-0.000 χ^2/NDF:26515739763.6/26

Out: 10.185+/-0.000 χ^2/NDF:23853584149.7/30

All: 10.187+/-0.000 χ^2/NDF: 50369490053.1

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: 0.021+/-0.000 χ^2/NDF:373221.6/10

Left: 0.020+/-0.000 χ^2/NDF: 693673.5/22

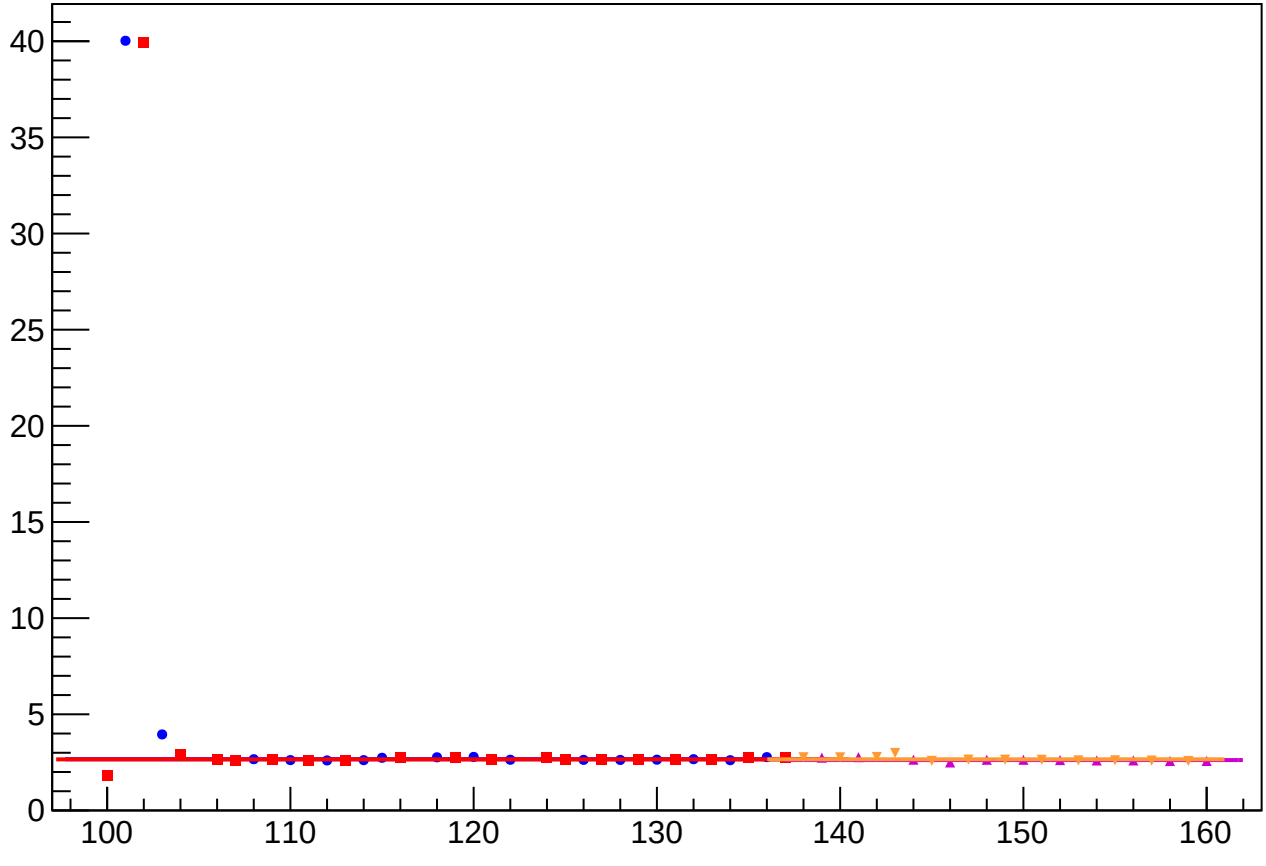
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2748373.7/26

Out: 0.018+/-0.000 χ^2/NDF:1820313.9/30

All: 0.017+/-0.000 χ^2/NDF: 4584784.2/57

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: 2.620+/-0.000 χ^2/NDF:8161823131.2/10

Left: 2.639+/-0.000 χ^2/NDF: 27202431925.0/22

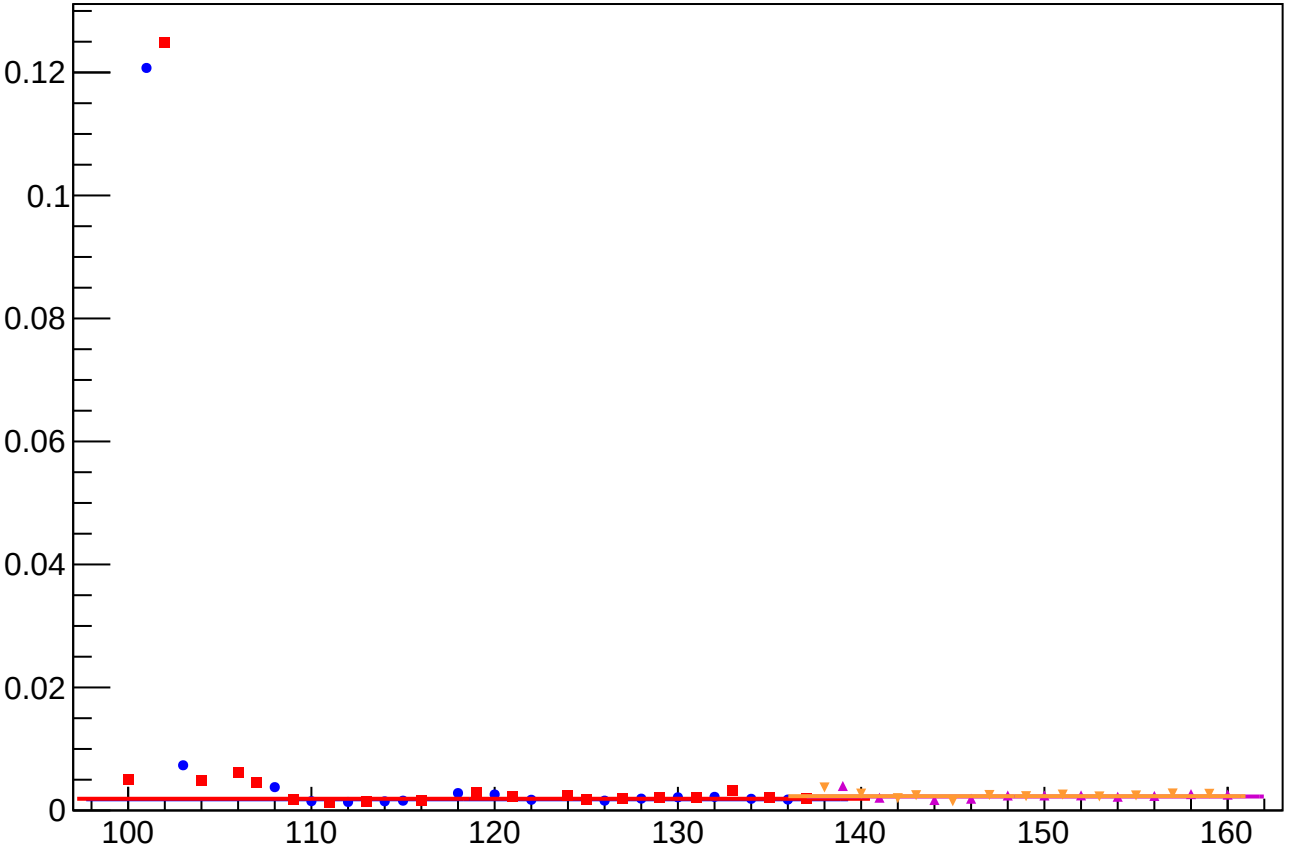
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.641+/-0.000 χ^2/NDF:77424490627.1/26

Out: 2.658+/-0.000 χ^2/NDF:82942173811.8/30

All: 2.650+/-0.000 χ^2/NDF: 160772728151.8

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:589045.1/10

Left: 0.002+/-0.000 χ^2/NDF: 1326890.7/22

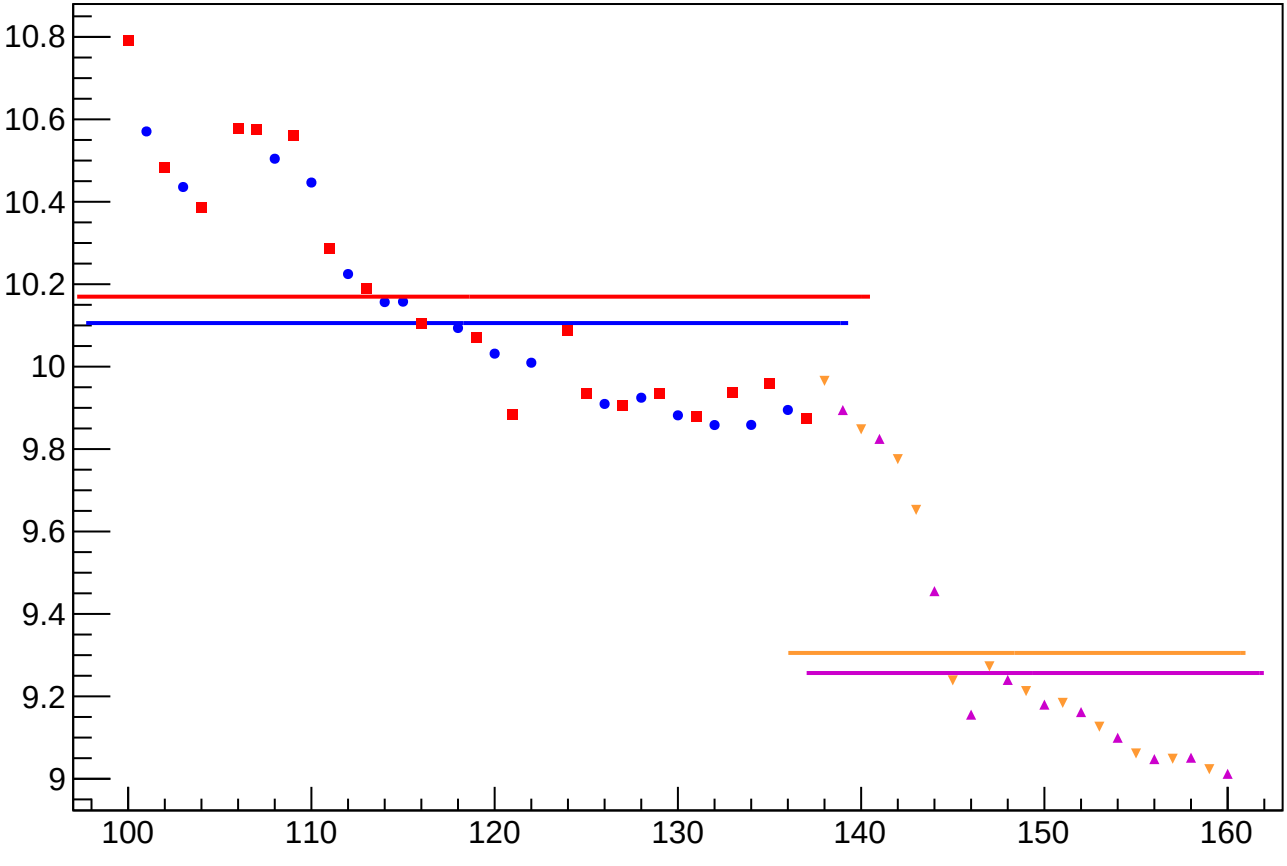
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2712574.9/26

Out: 0.002+/-0.000 χ^2/NDF:3508739.2/30

All: 0.002+/-0.000 χ^2/NDF: 6233523.5/57

yield_sam8_mean vs Slug, Sign Corrected



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: 9.257+/-0.000 χ^2/NDF:12954087623.4/10

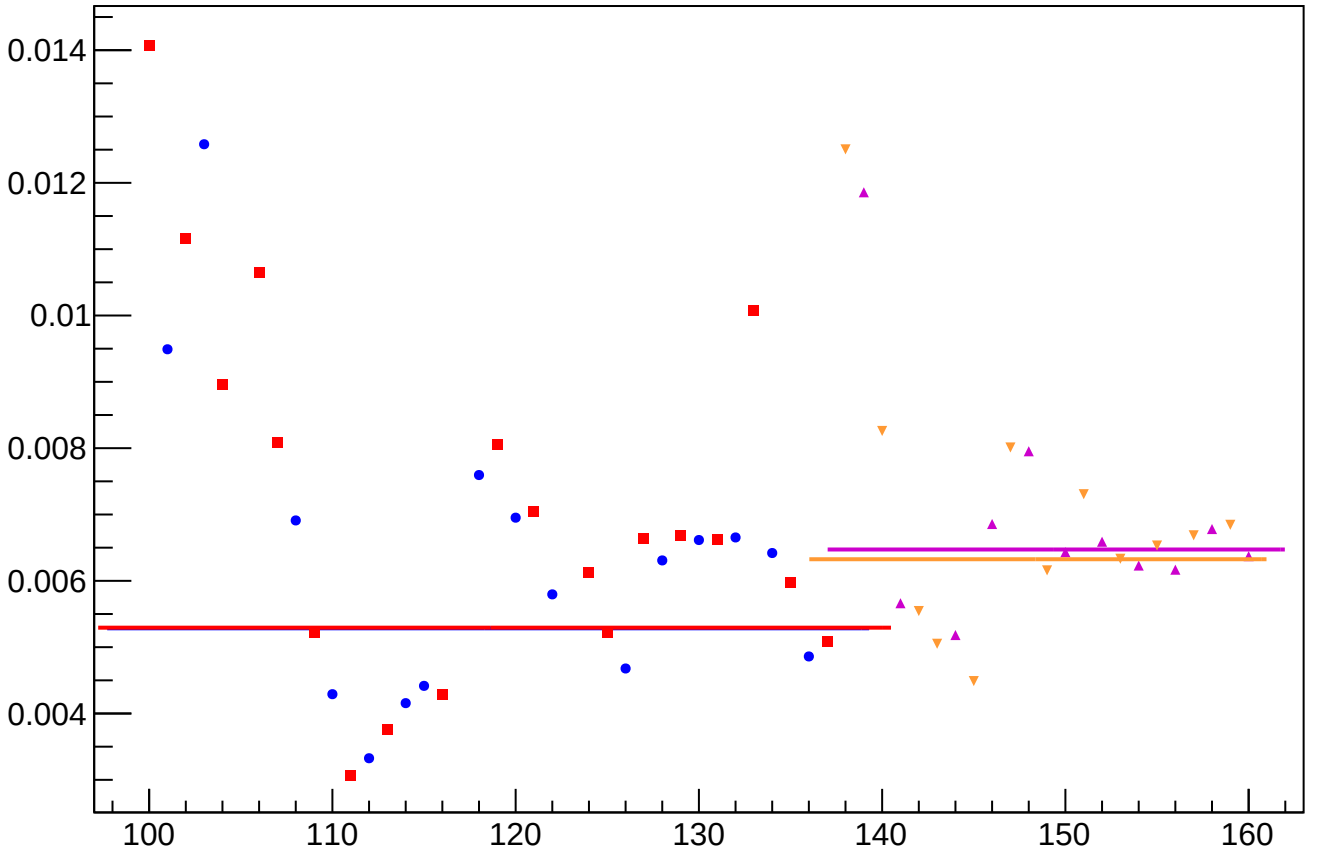
Left: 9.281+/-0.000 χ^2/NDF: 27343363291.9/22

Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.692+/-0.000 χ^2/NDF:90108787871.1/26

Out: 9.750+/-0.000 χ^2/NDF:94733709837.1/30

All: 9.721+/-0.000 χ^2/NDF: 185493075986.3



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:495987.0/10

Left: 0.006+/-0.000 χ^2/NDF: 1299090.9/22

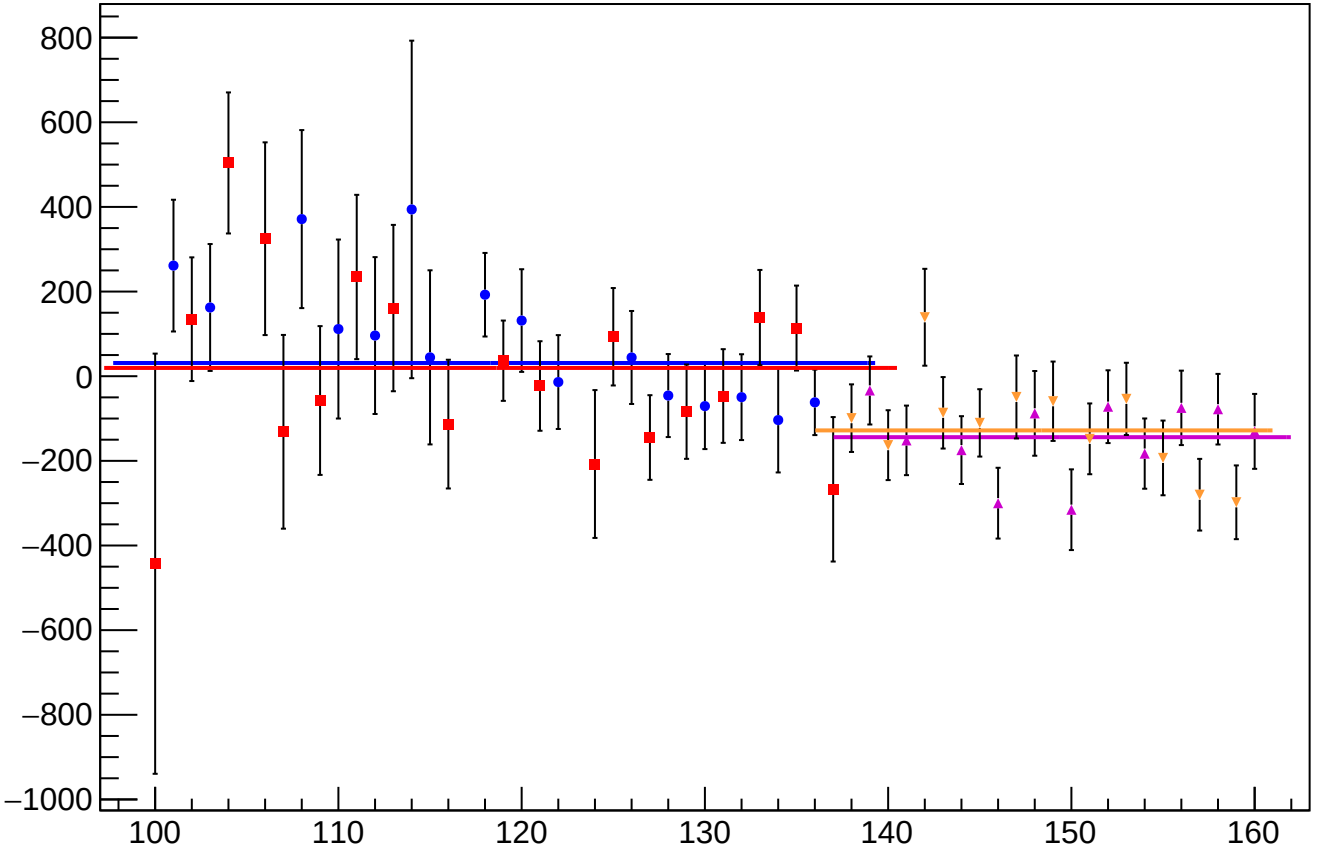
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2036463.1/26

Out: 0.006+/-0.000 χ^2/NDF:2794826.1/30

All: 0.006+/-0.000 χ^2/NDF: 4833103.6/57

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: -144.050+/-25.887 χ^2/NDF:11.3/10

Left: -135.829+/-18.054 χ^2/NDF: 27.1/22

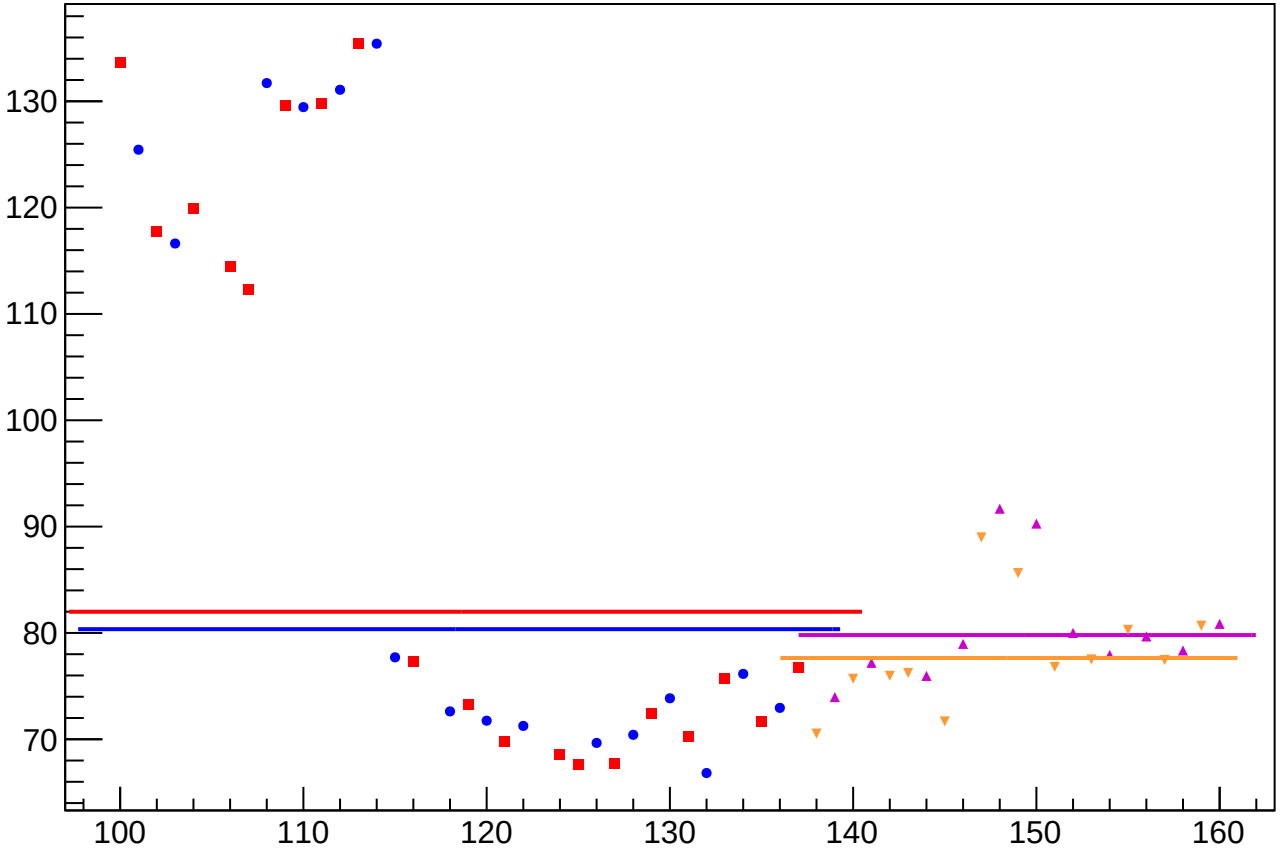
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -71.443+/-19.813 χ^2/NDF:45.3/26

Out: -69.467+/-19.565 χ^2/NDF:55.2/30

All: -70.442+/-13.921 χ^2/NDF: 100.5/57

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: 79.801+/-0.018 χ^2/NDF:71618.7/10

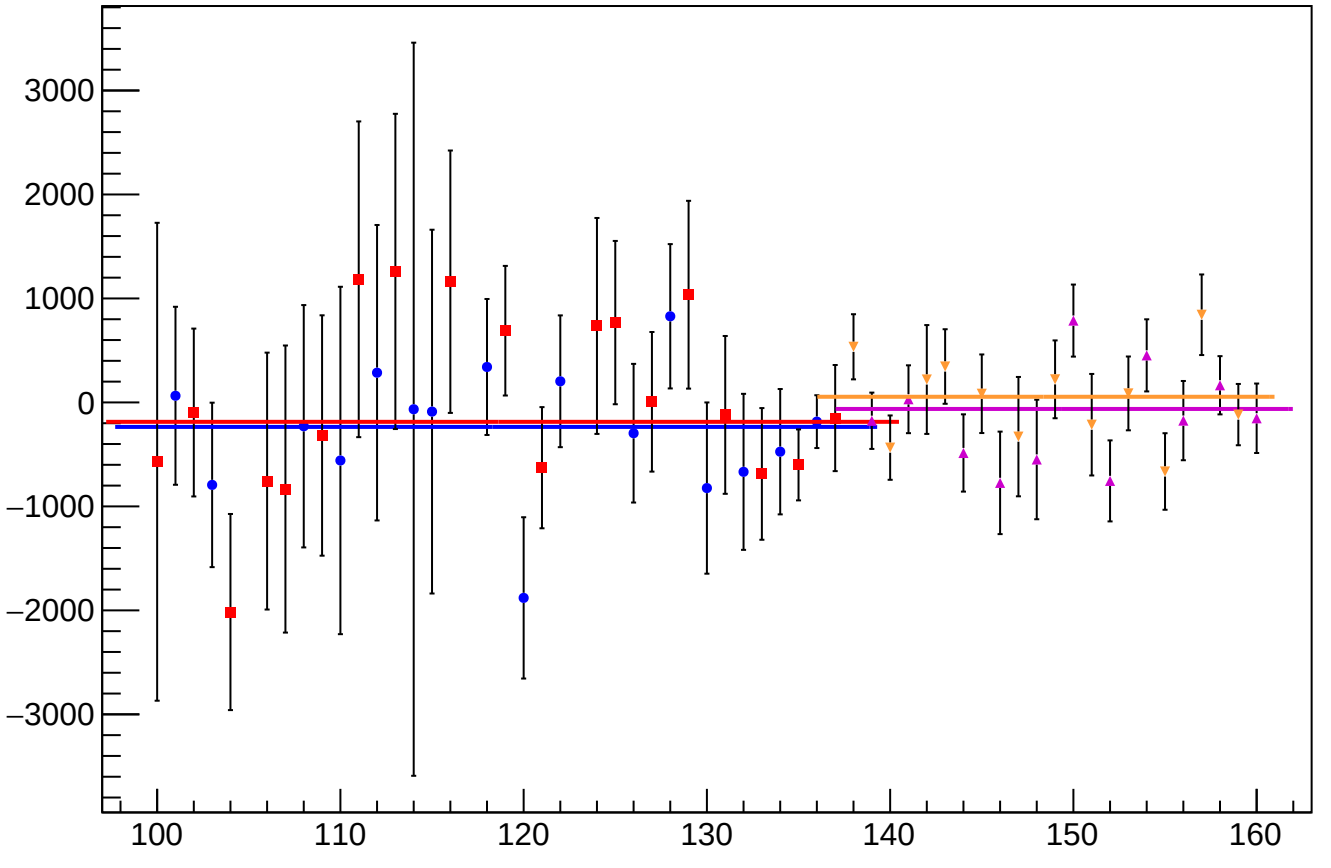
Left: 78.691+/-0.013 χ^2/NDF: 153719.9/22

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.030+/-0.014 χ^2/NDF:912036.4/26

Out: 79.368+/-0.014 χ^2/NDF:1030975.4/30

All: 79.695+/-0.010 χ^2/NDF: 1944143.1/57



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: -62.779+/-105.854 χ^2/NDF:16.5/10

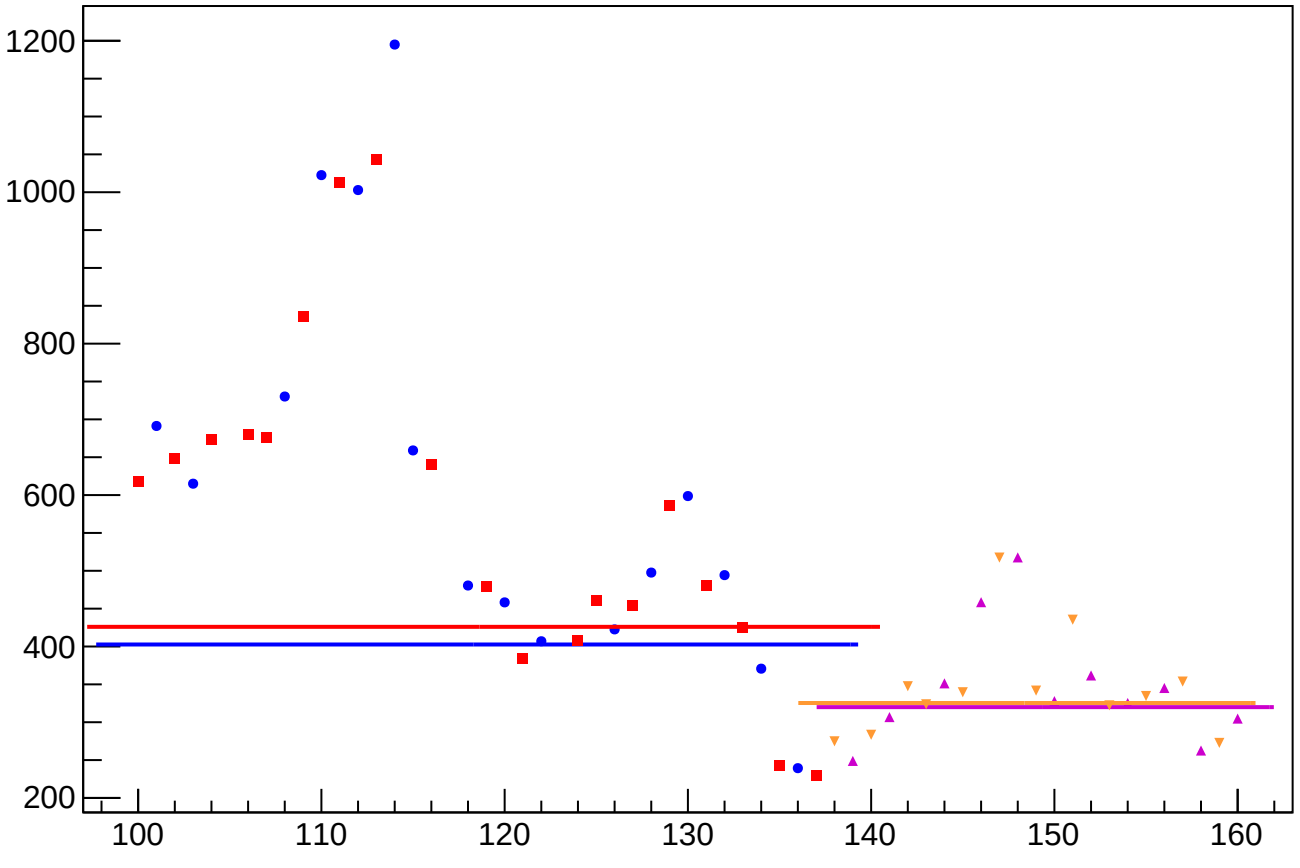
Left: -4.965+/-75.343 χ^2/NDF: 32.0/22

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -113.683+/-88.900 χ^2/NDF:27.3/26

Out: -14.003+/-90.774 χ^2/NDF:32.3/30

All: -64.883+/-63.514 χ^2/NDF: 60.2/57



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: 319.932+/-0.075 χ^2/NDF:671332.1/10

Left: 322.622+/-0.053 χ^2/NDF: 1174704.0/22

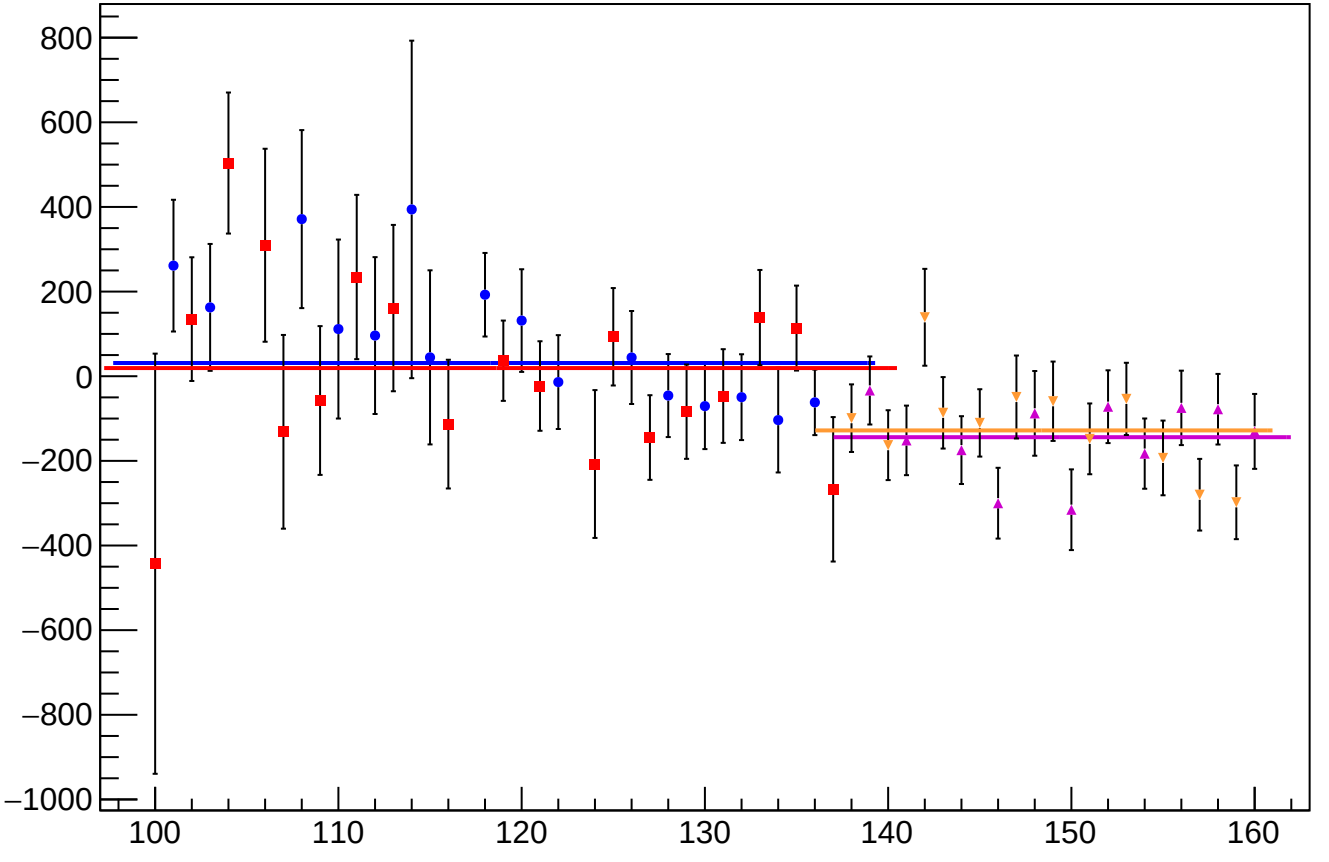
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.310+/-0.063 χ^2/NDF:3391384.6/26

Out: 353.933+/-0.064 χ^2/NDF:3368793.5/30

All: 349.021+/-0.045 χ^2/NDF: 6771650.9/57

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: -144.053+/-25.887 χ^2/NDF:11.3/10

Left: -135.829+/-18.054 χ^2/NDF: 27.1/22

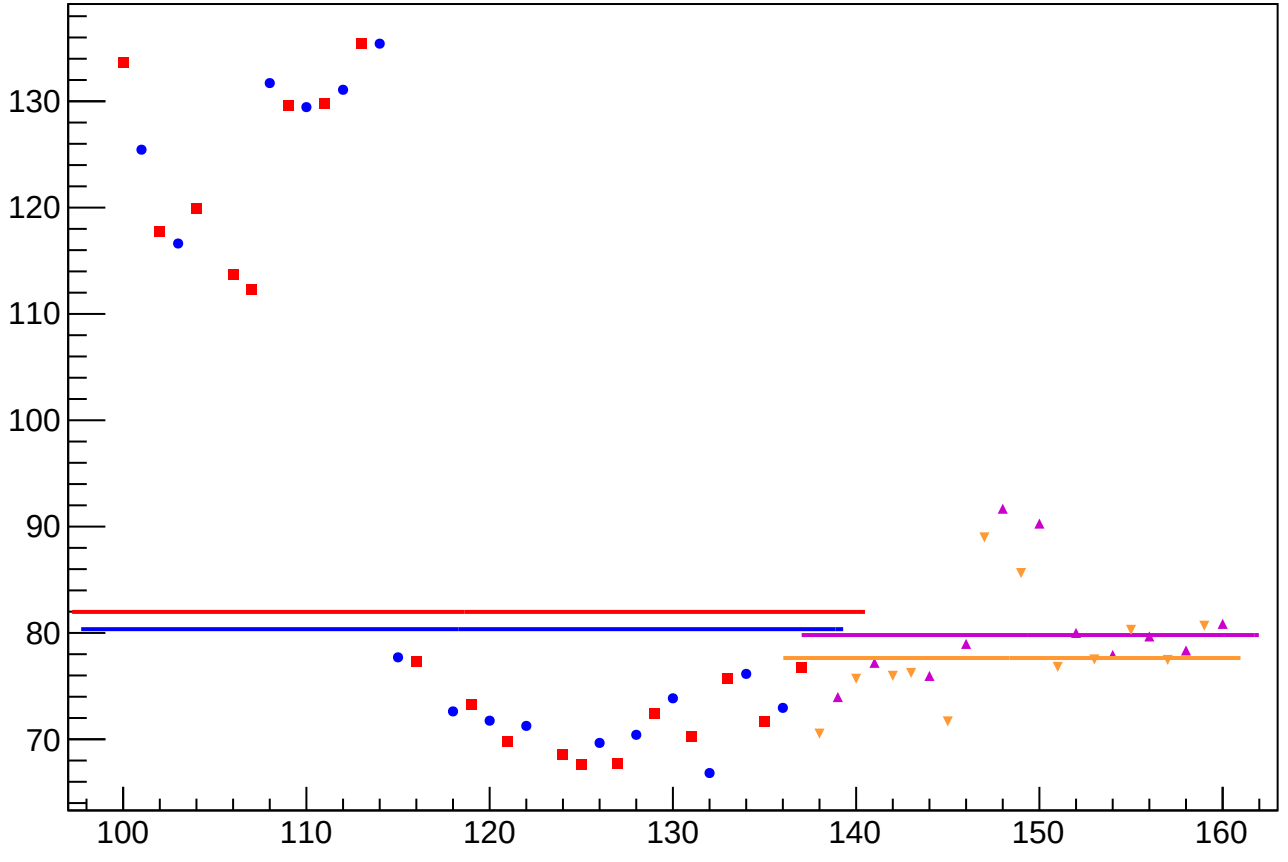
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -71.441+/-19.813 χ^2/NDF:45.3/26

Out: -69.582+/-19.565 χ^2/NDF:54.9/30

All: -70.500+/-13.922 χ^2/NDF: 100.3/57

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: 79.801+/-0.018 χ^2/NDF:71618.7/10

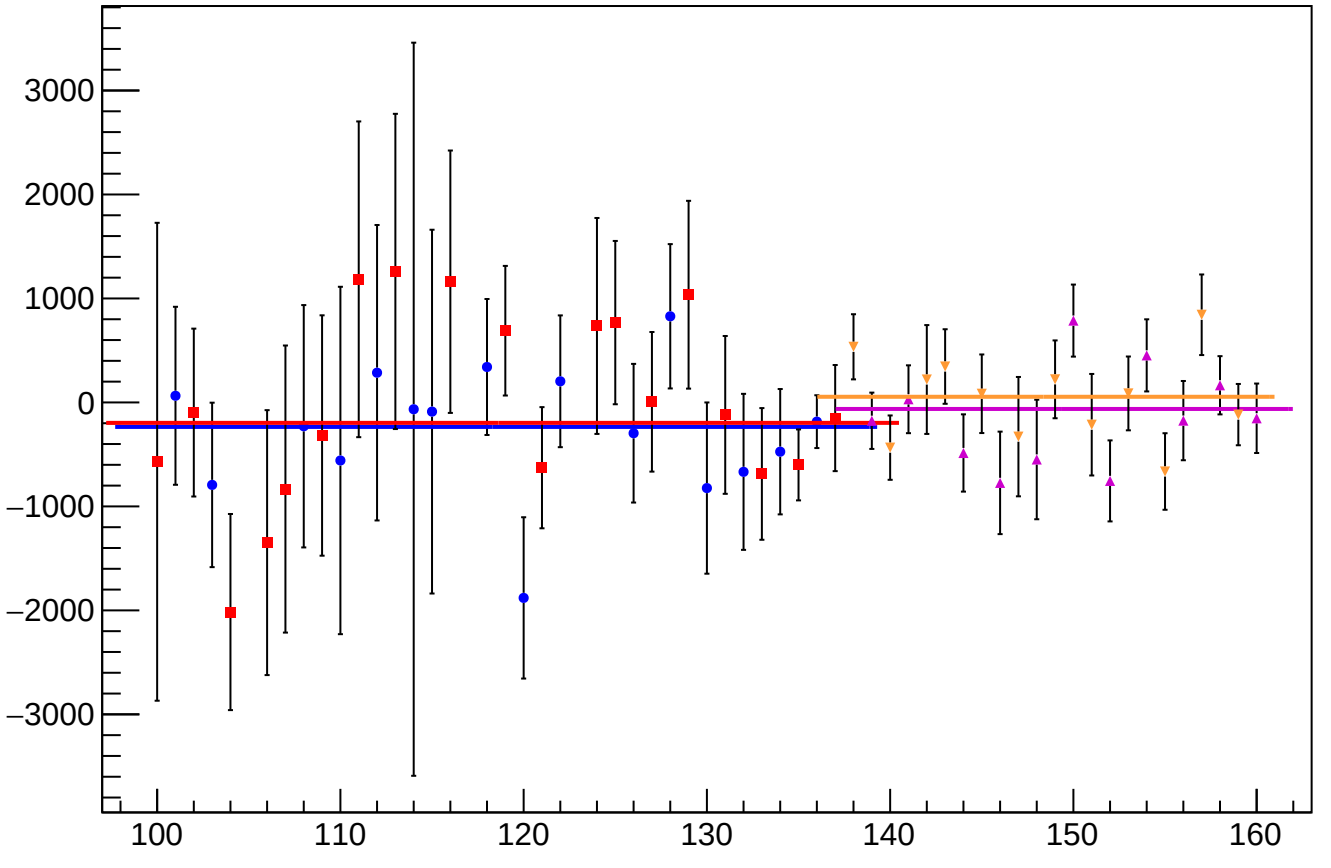
Left: 78.691+/-0.013 χ^2/NDF: 153719.9/22

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.030+/-0.014 χ^2/NDF:912036.6/26

Out: 79.362+/-0.014 χ^2/NDF:1028939.9/30

All: 79.692+/-0.010 χ^2/NDF: 1942128.5/57



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: -62.782+/-105.854 χ^2/NDF:16.5/10

Left: -4.966+/-75.343 χ^2/NDF: 32.0/22

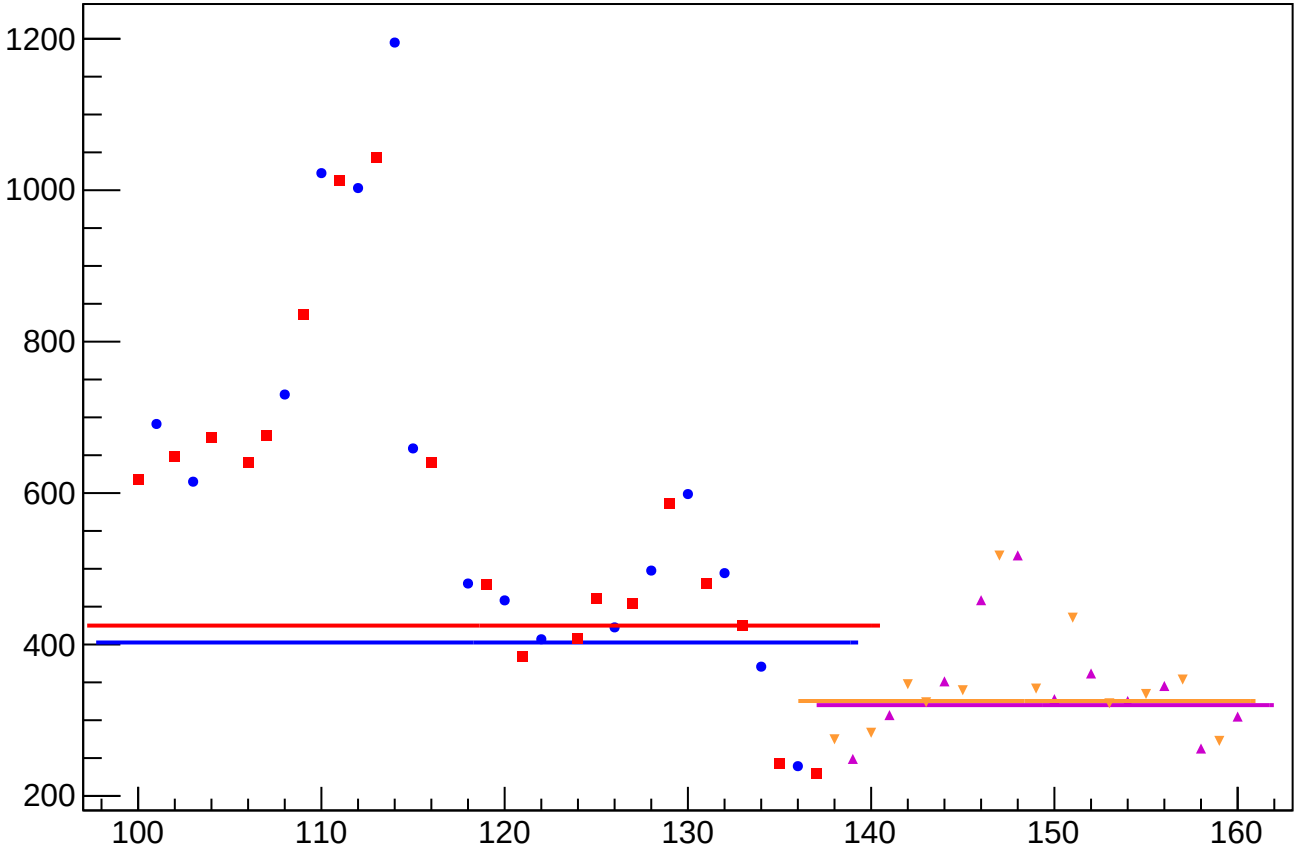
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -113.685+/-88.900 χ^2/NDF:27.3/26

Out: -16.771+/-90.788 χ^2/NDF:33.0/30

All: -66.247+/-63.519 χ^2/NDF: 60.9/57

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: 319.932+/-0.075 χ^2/NDF:671332.7/10

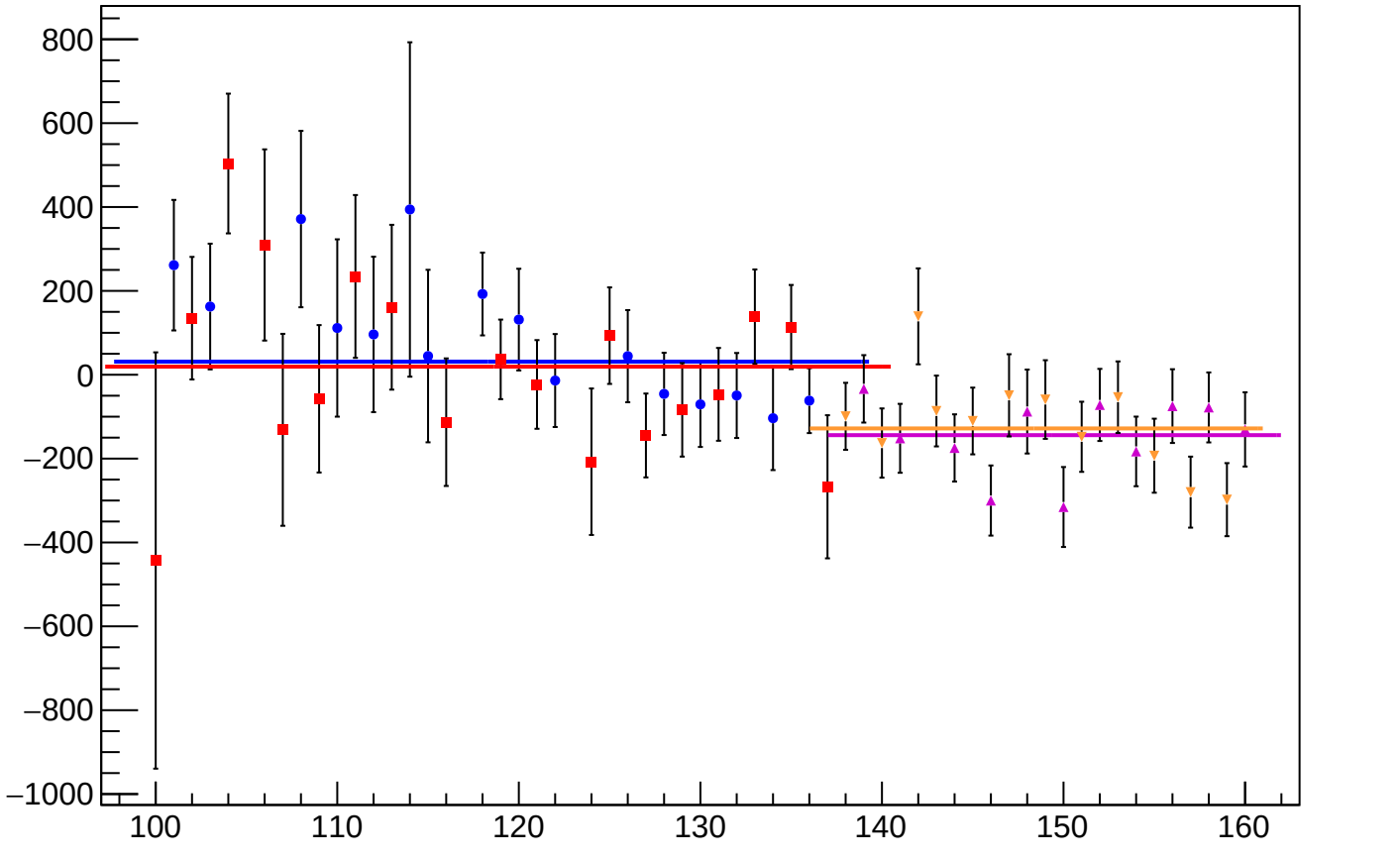
Left: 322.622+/-0.053 χ^2/NDF: 1174711.6/22

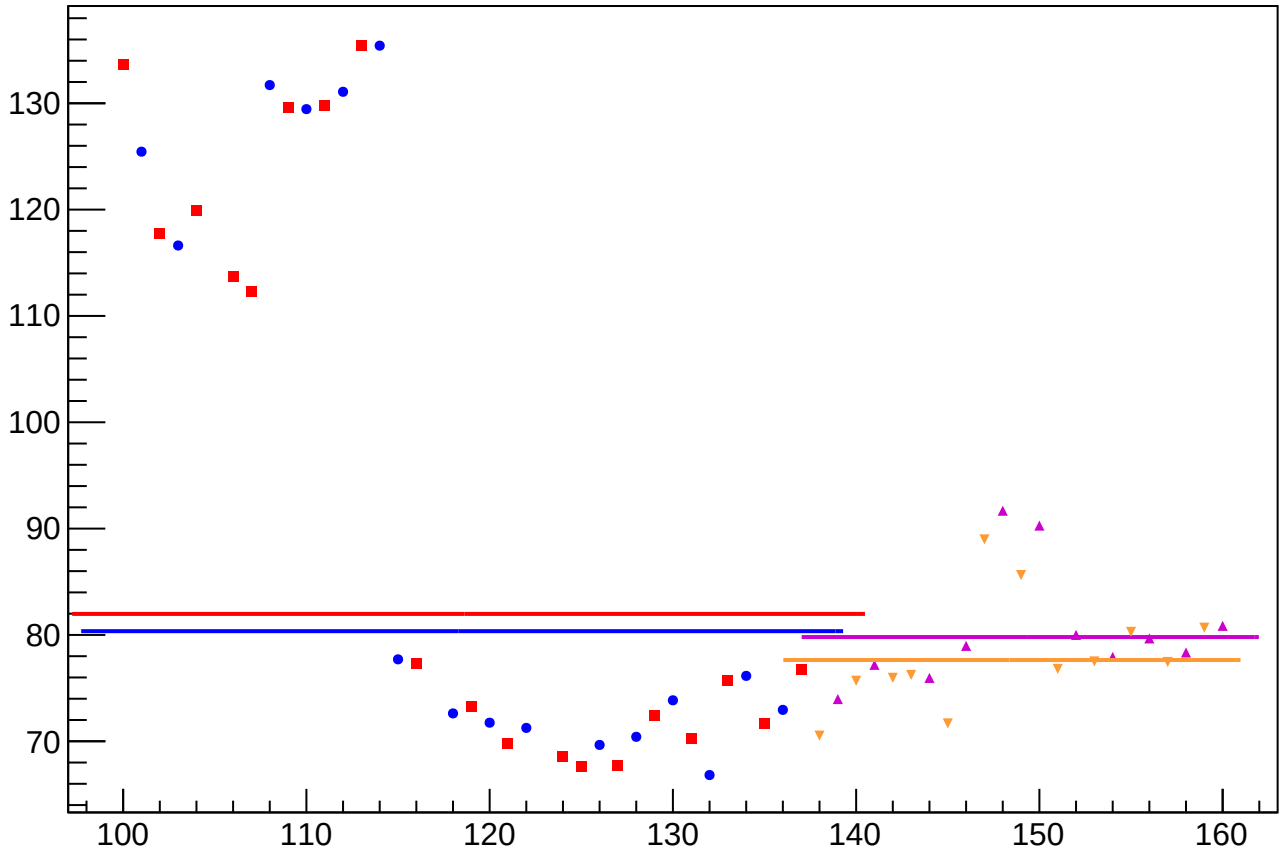
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.310+/-0.063 χ^2/NDF:3391380.6/26

Out: 353.628+/-0.064 χ^2/NDF:3330837.7/30

All: 348.871+/-0.045 χ^2/NDF: 6732973.2/57


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -128.040+/-25.191 χ²/NDF:15.6/11
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -144.053+/-25.887 χ²/NDF:11.3/10
Left: -135.829+/-18.054 χ²/NDF: 27.1/22
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -71.441+/-19.813 χ²/NDF:45.3/26
Out: -69.582+/-19.565 χ²/NDF:54.9/30
All: -70.500+/-13.922 χ²/NDF: 100.3/57



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: 79.801+/-0.018 χ^2/NDF:71618.7/10

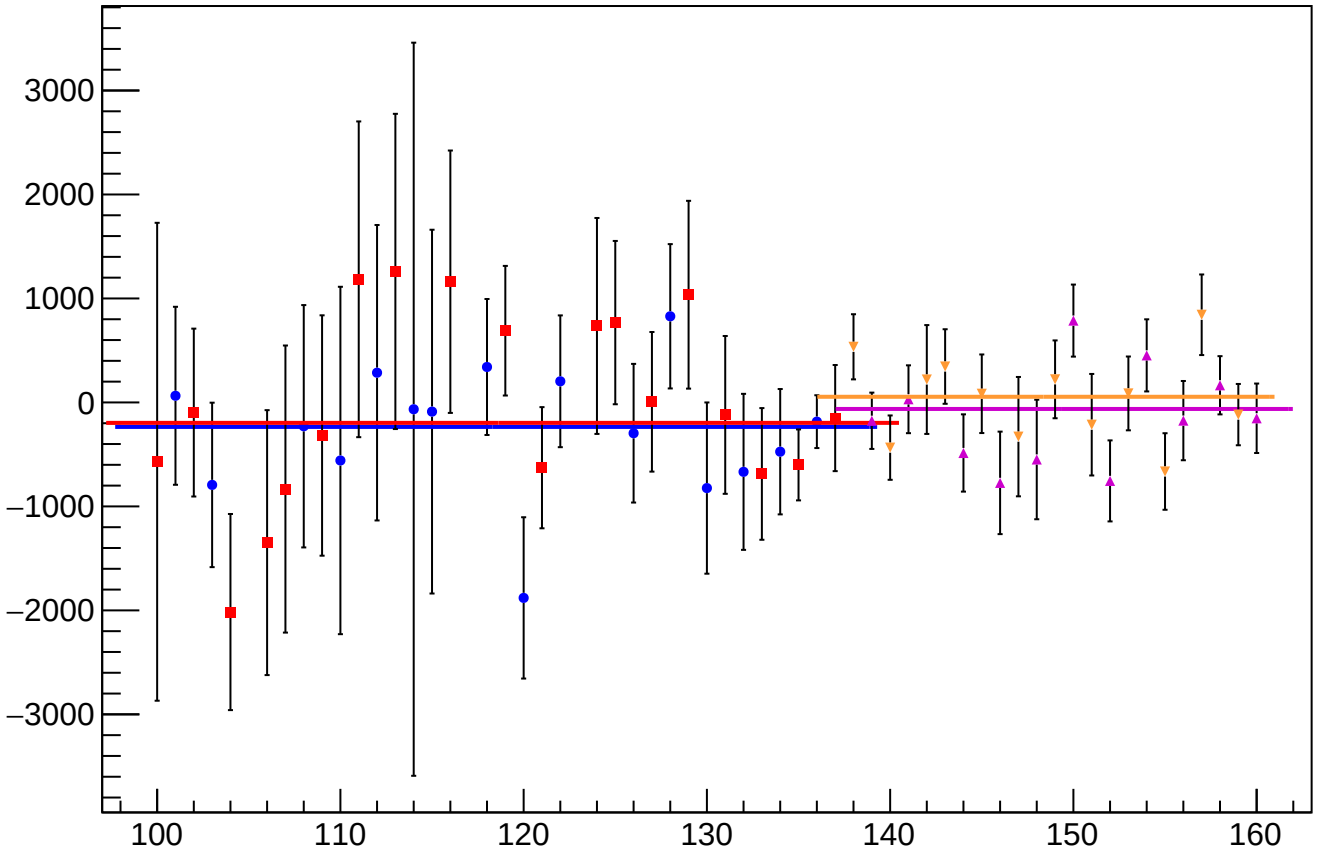
Left: 78.691+/-0.013 χ^2/NDF: 153719.9/22

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.030+/-0.014 χ^2/NDF:912036.6/26

Out: 79.362+/-0.014 χ^2/NDF:1028939.9/30

All: 79.692+/-0.010 χ^2/NDF: 1942128.5/57



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: -62.782+/-105.854 χ^2/NDF:16.5/10

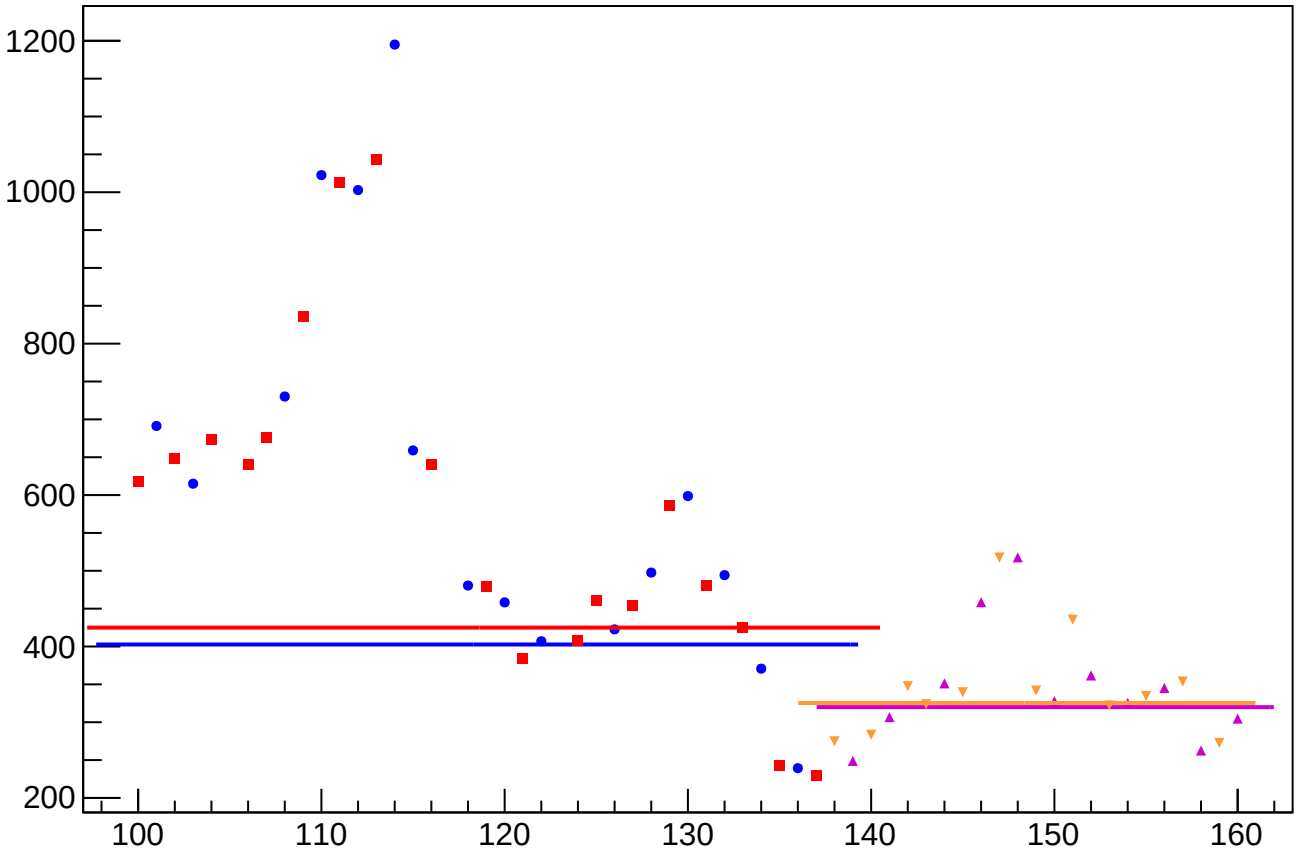
Left: -4.966+/-75.343 χ^2/NDF: 32.0/22

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -113.685+/-88.900 χ^2/NDF:27.3/26

Out: -16.771+/-90.788 χ^2/NDF:33.0/30

All: -66.247+/-63.519 χ^2/NDF: 60.9/57



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: 319.932+/-0.075 χ^2/NDF:671332.7/10

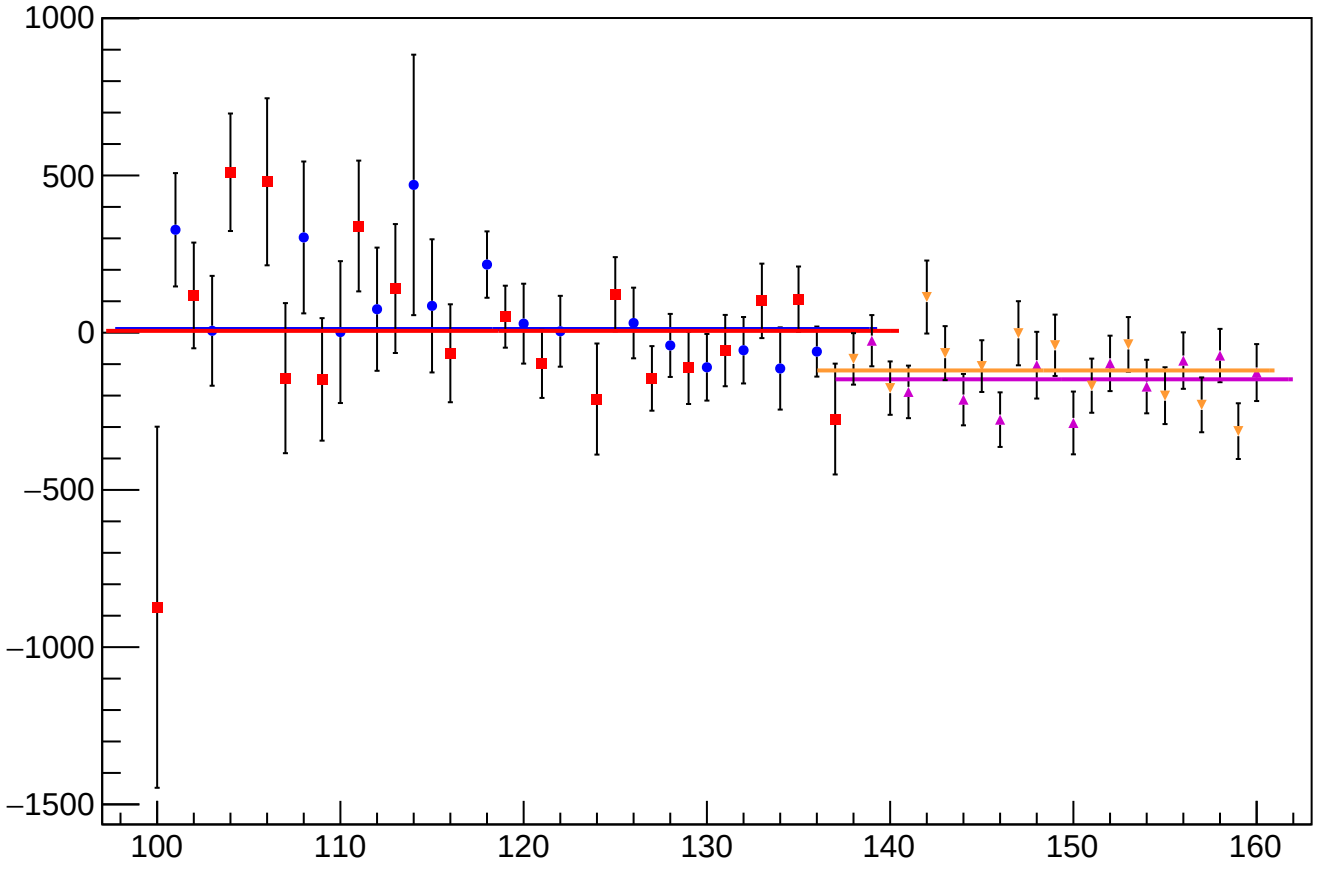
Left: 322.622+/-0.053 χ^2/NDF: 1174711.6/22

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.310+/-0.063 χ^2/NDF:3391380.6/26

Out: 353.628+/-0.064 χ^2/NDF:3330837.7/30

All: 348.871+/-0.045 χ^2/NDF: 6732973.2/57



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: -148.236+/-26.560 χ^2/NDF:9.1/10

Left: -133.766+/-18.527 χ^2/NDF: 25.2/22

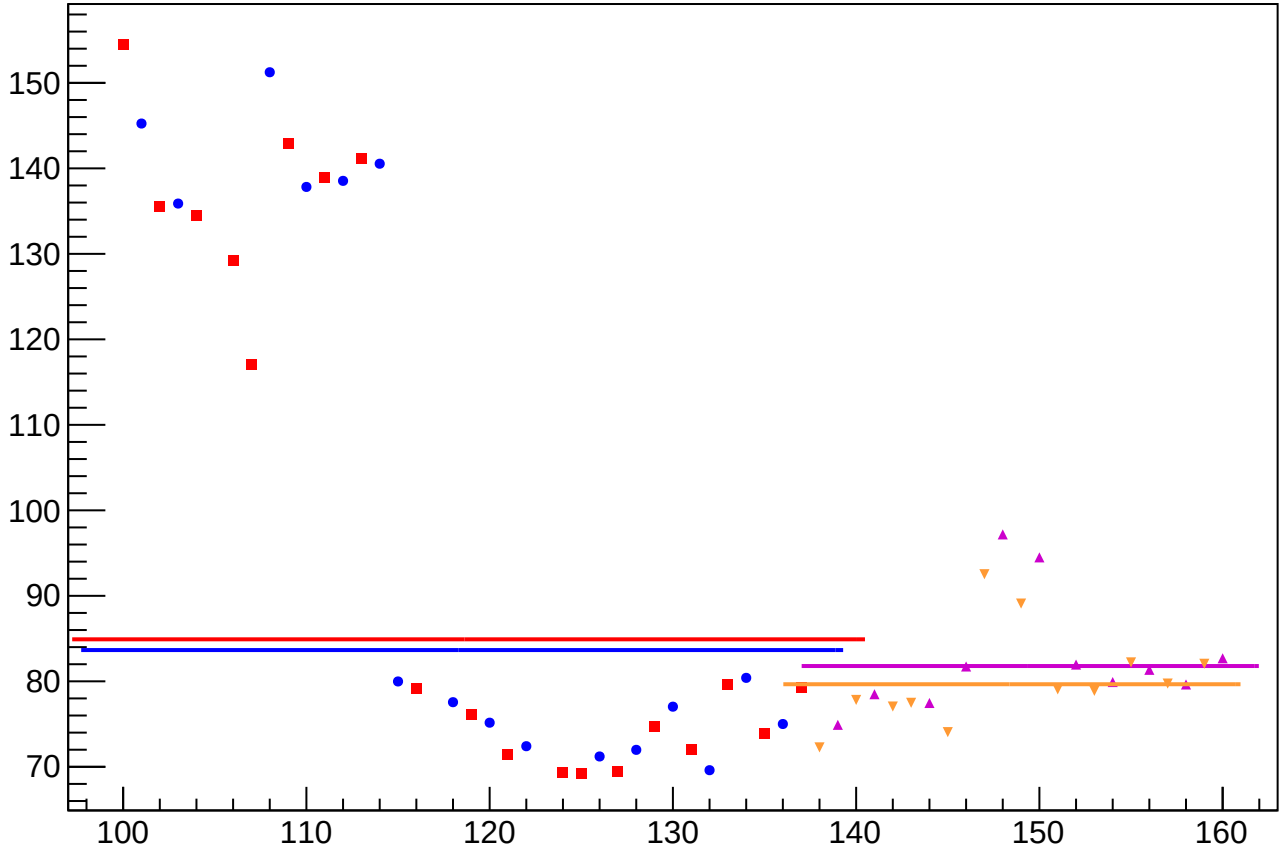
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -83.730+/-20.514 χ^2/NDF:37.3/26

Out: -71.163+/-20.220 χ^2/NDF:53.5/30

All: -77.356+/-14.401 χ^2/NDF: 90.9/57

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: 81.789+/-0.019 χ^2/NDF:100032.8/10

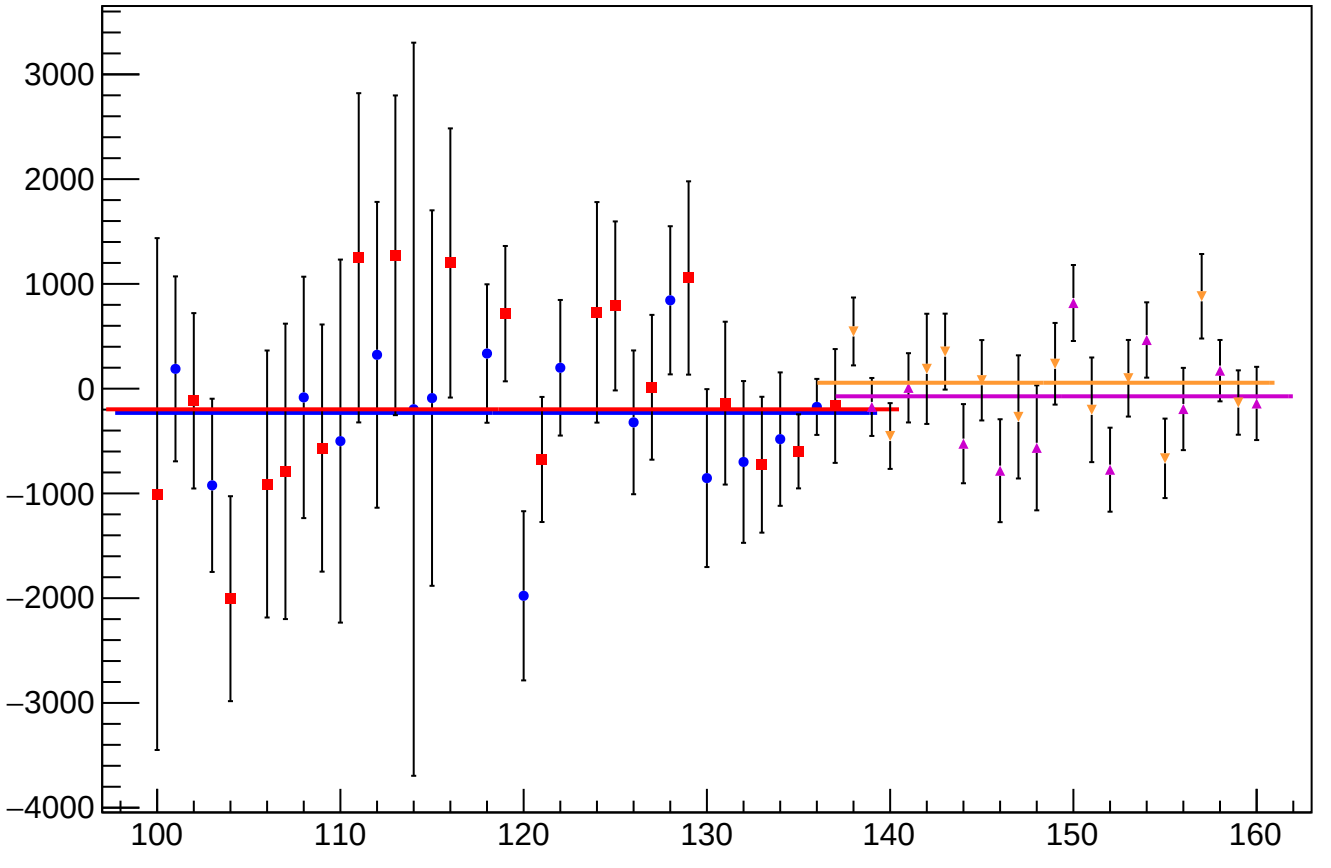
Left: 80.696+/-0.013 χ^2/NDF: 189329.5/22

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.543+/-0.015 χ^2/NDF:1138817.2/26

Out: 81.700+/-0.014 χ^2/NDF:1236435.9/30

All: 82.115+/-0.010 χ^2/NDF: 2376966.1/57



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: -72.988+/-109.069 χ^2/NDF:16.5/10

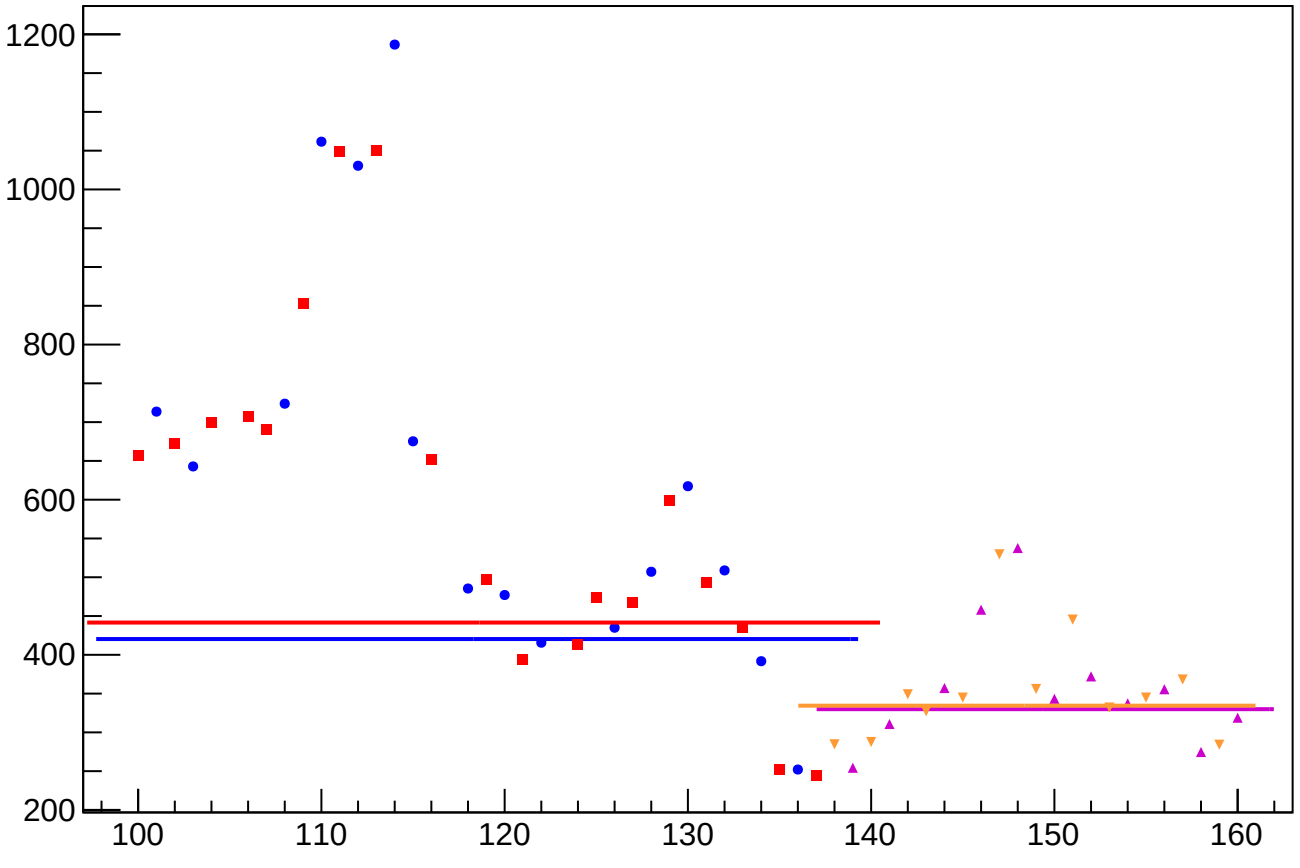
Left: -8.974+/-77.521 χ^2/NDF: 31.9/22

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -119.132+/-91.821 χ^2/NDF:27.6/26

Out: -14.989+/-93.417 χ^2/NDF:32.0/30

All: -67.958+/-65.484 χ^2/NDF: 60.2/57



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: 329.929+/-0.077 χ^2/NDF:652382.7/10

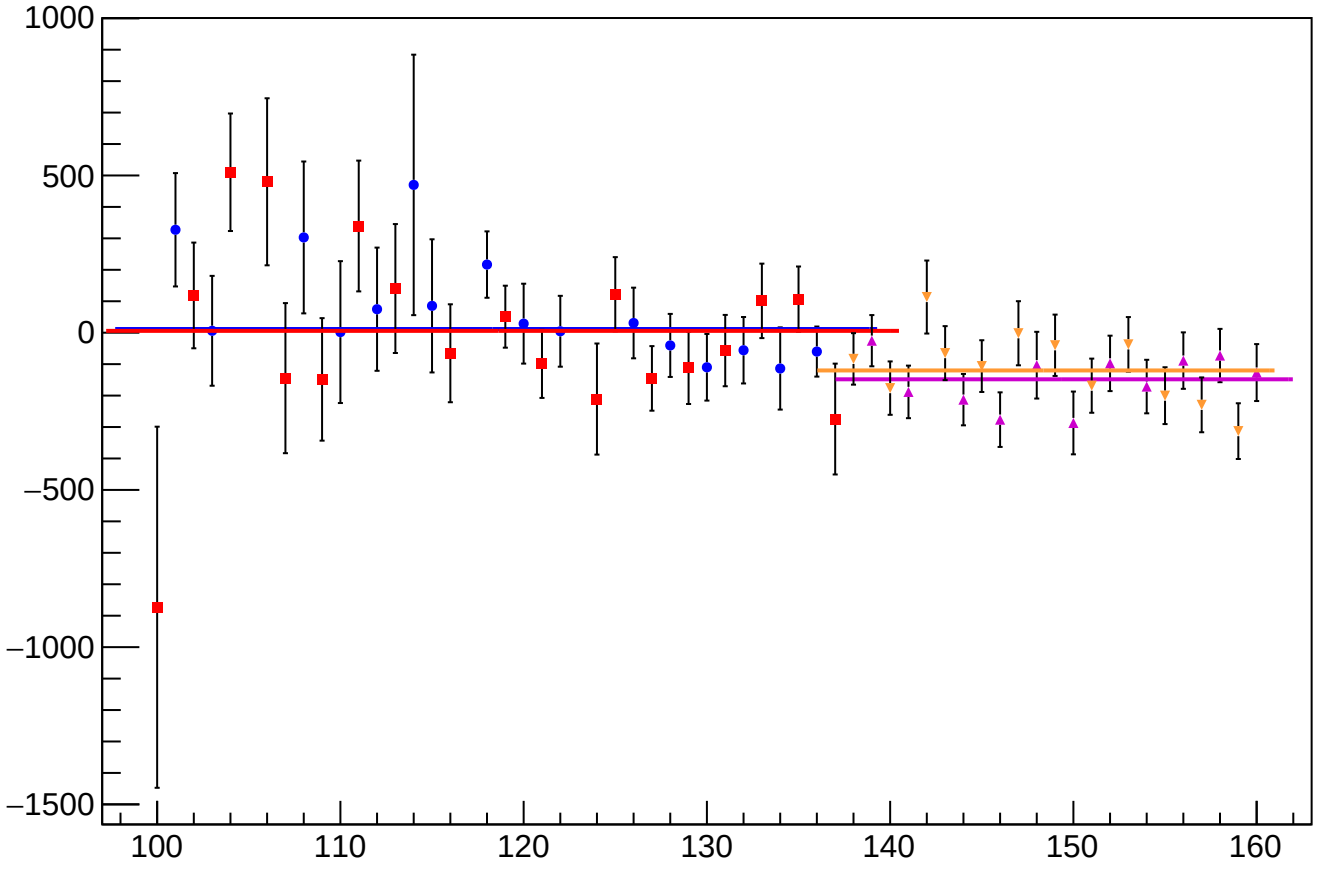
Left: 332.161+/-0.055 χ^2/NDF: 1144201.7/22

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 356.260+/-0.065 χ^2/NDF:3307190.5/26

Out: 364.597+/-0.066 χ^2/NDF:3329915.7/30

All: 360.357+/-0.046 χ^2/NDF: 6645207.9/57



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: -148.236+/-26.560 χ^2/NDF:9.1/10

Left: -133.766+/-18.527 χ^2/NDF: 25.2/22

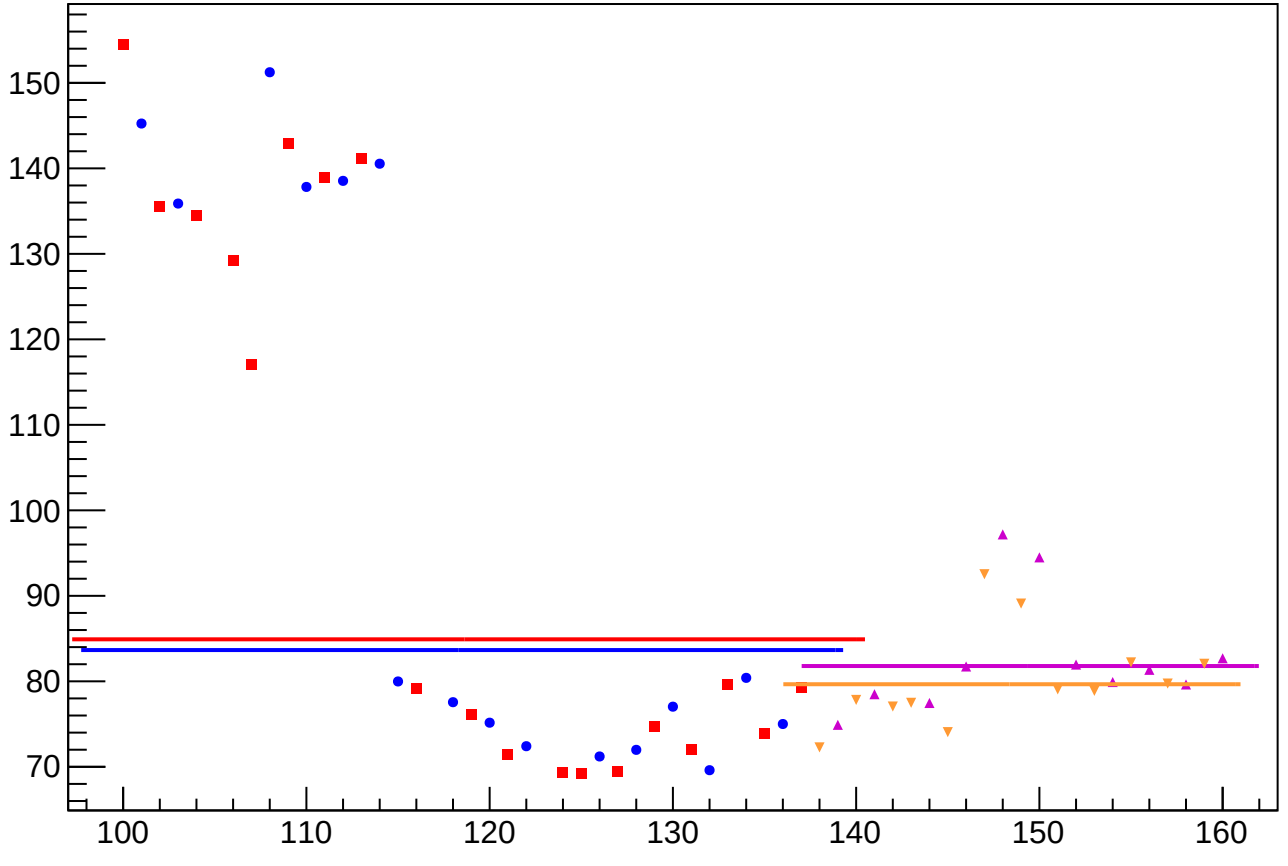
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -83.730+/-20.514 χ^2/NDF:37.3/26

Out: -71.163+/-20.220 χ^2/NDF:53.5/30

All: -77.355+/-14.401 χ^2/NDF: 90.9/57

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: 81.789+/-0.019 χ^2/NDF:100032.0/10

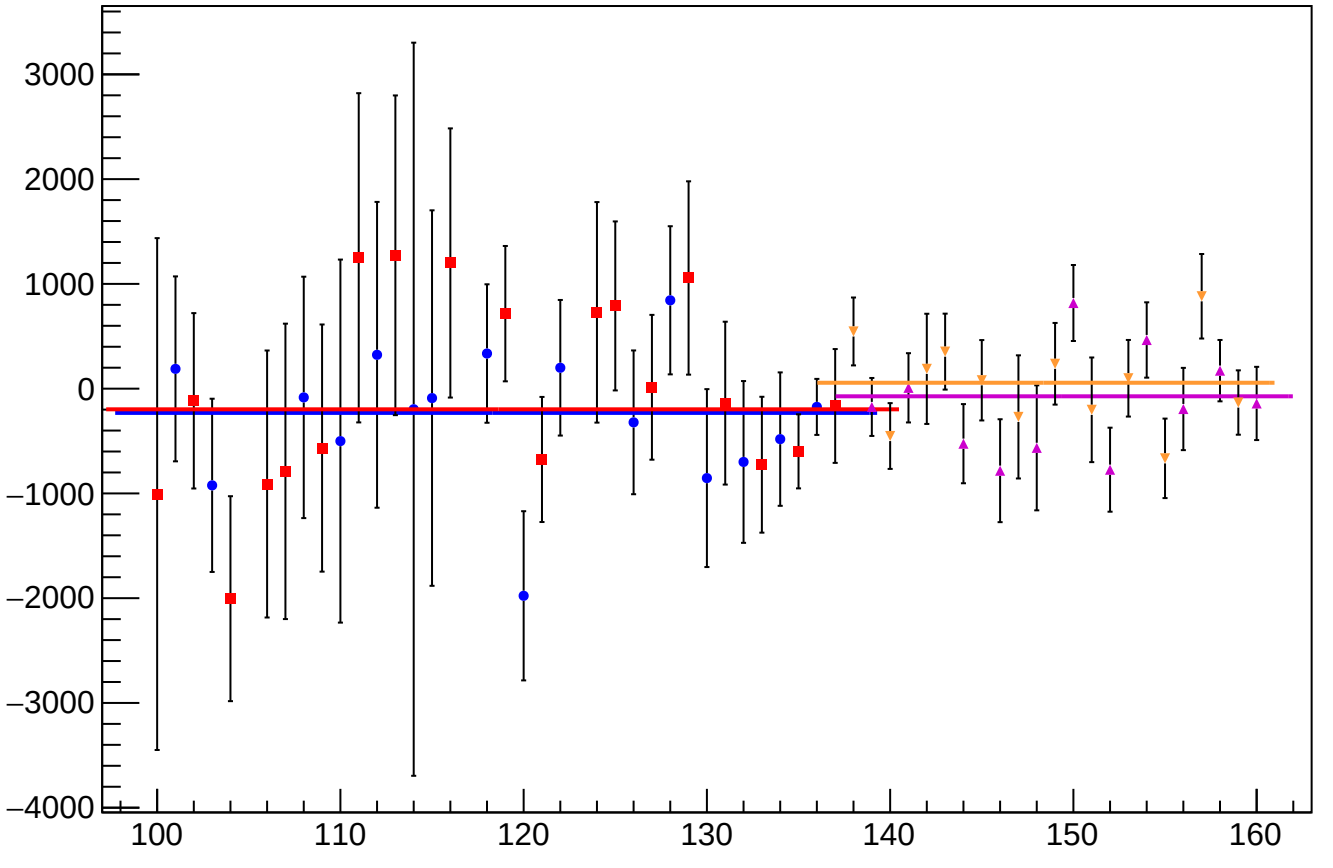
Left: 80.696+/-0.013 χ^2/NDF: 189328.2/22

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.543+/-0.015 χ^2/NDF:1138815.6/26

Out: 81.700+/-0.014 χ^2/NDF:1236433.5/30

All: 82.115+/-0.010 χ^2/NDF: 2376962.1/57



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: -72.989+/-109.069 χ^2/NDF:16.5/10

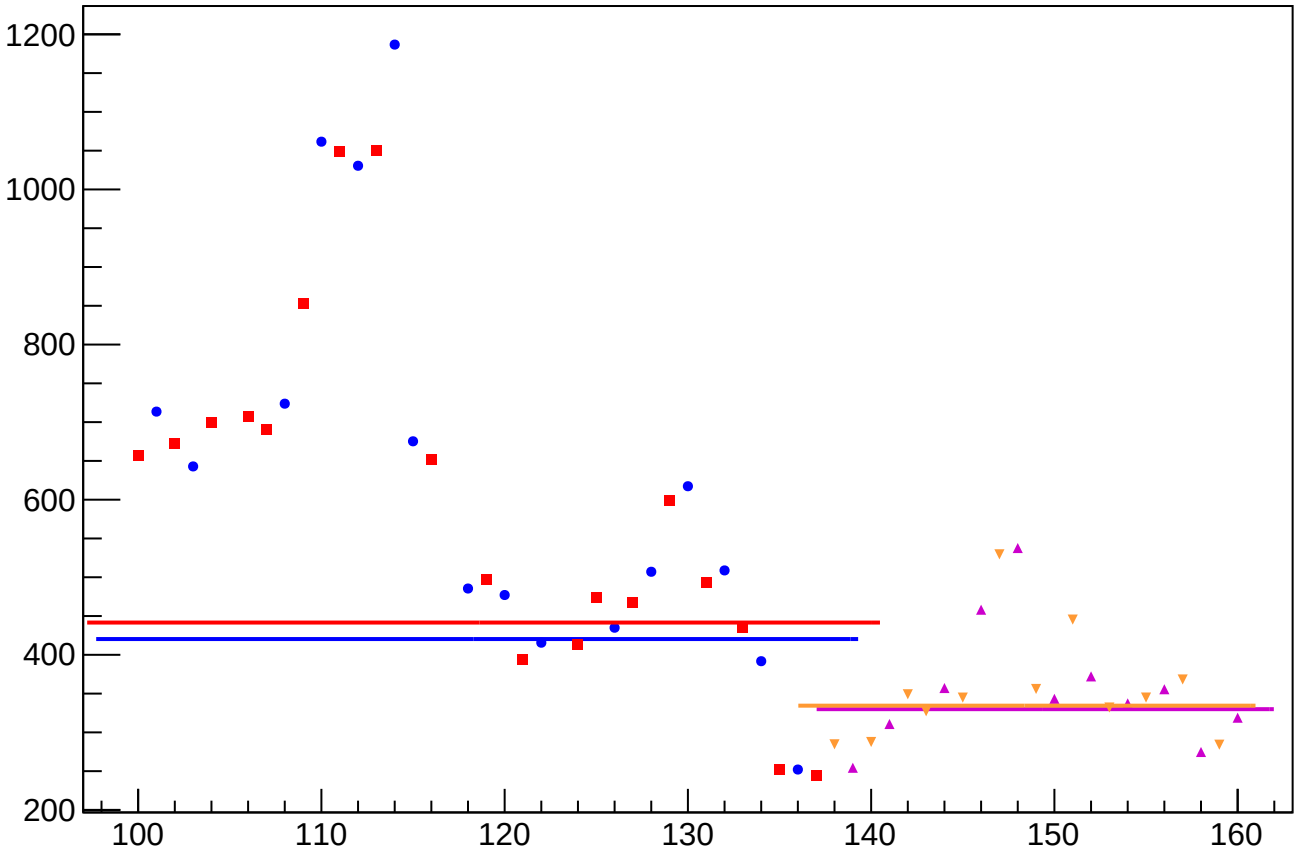
Left: -8.974+/-77.521 χ^2/NDF: 31.9/22

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -119.132+/-91.821 χ^2/NDF:27.6/26

Out: -14.989+/-93.417 χ^2/NDF:32.0/30

All: -67.957+/-65.484 χ^2/NDF: 60.2/57



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: 329.928+/-0.077 χ^2/NDF:652384.4/10

Left: 332.160+/-0.055 χ^2/NDF: 1144203.8/22

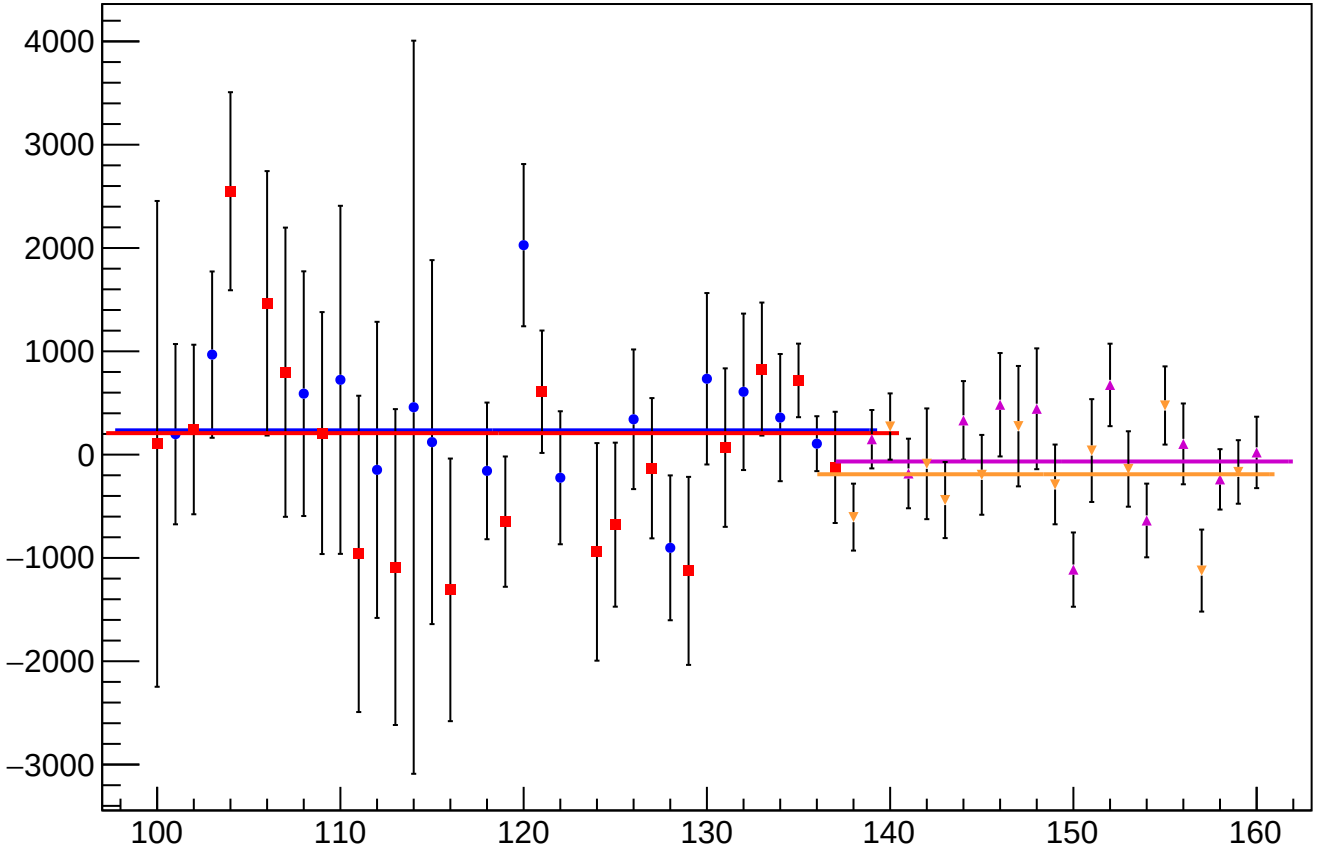
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 356.260+/-0.065 χ^2/NDF:3307193.5/26

Out: 364.597+/-0.066 χ^2/NDF:3329917.5/30

All: 360.356+/-0.046 χ^2/NDF: 6645212.6/57

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: -66.415+/-109.335 χ^2/NDF:18.9/10

Left: -127.559+/-77.718 χ^2/NDF: 33.2/22

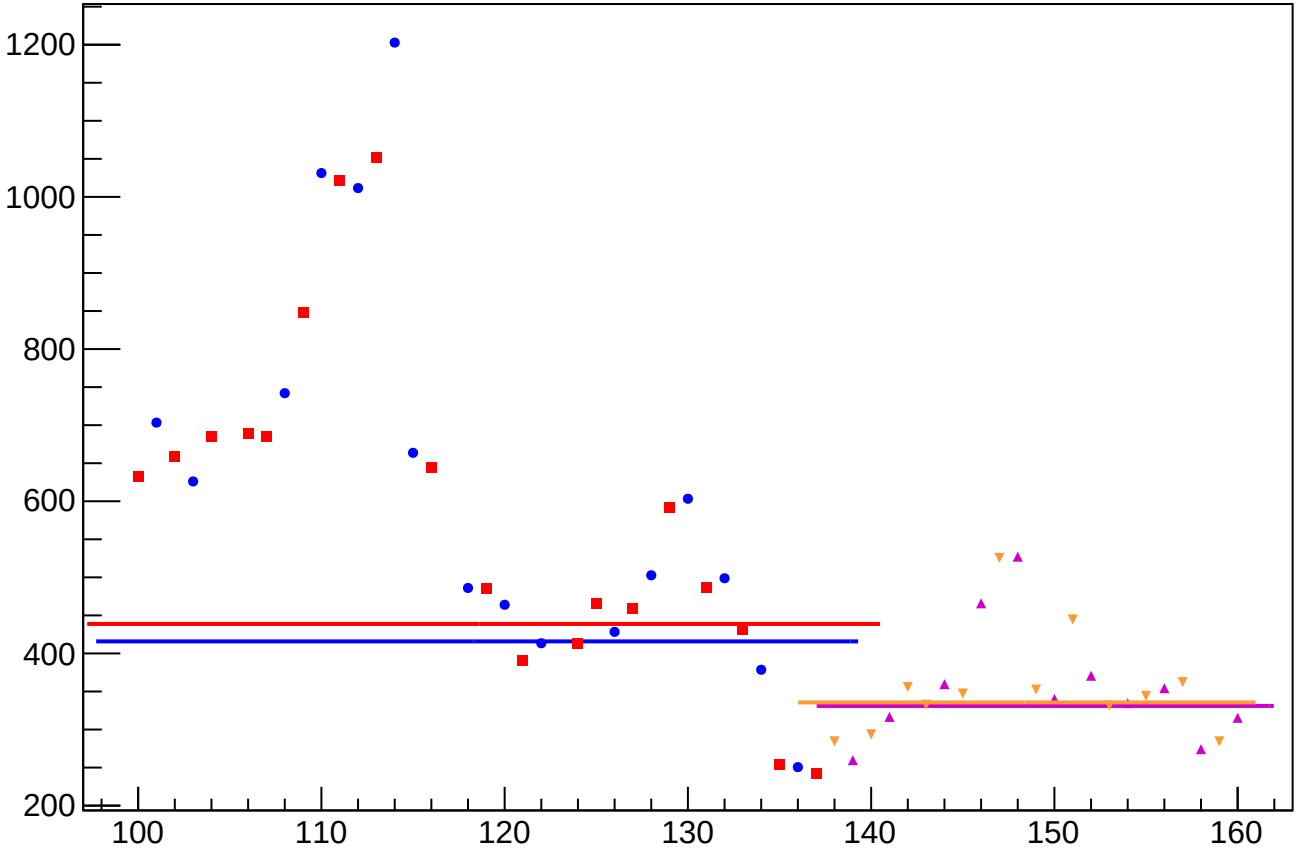
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 23.131+/-91.670 χ^2/NDF:31.8/26

Out: -76.317+/-93.386 χ^2/NDF:37.8/30

All: -25.670+/-65.419 χ^2/NDF: 70.2/57

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: 331.002+/-0.077 χ^2/NDF:620232.3/10

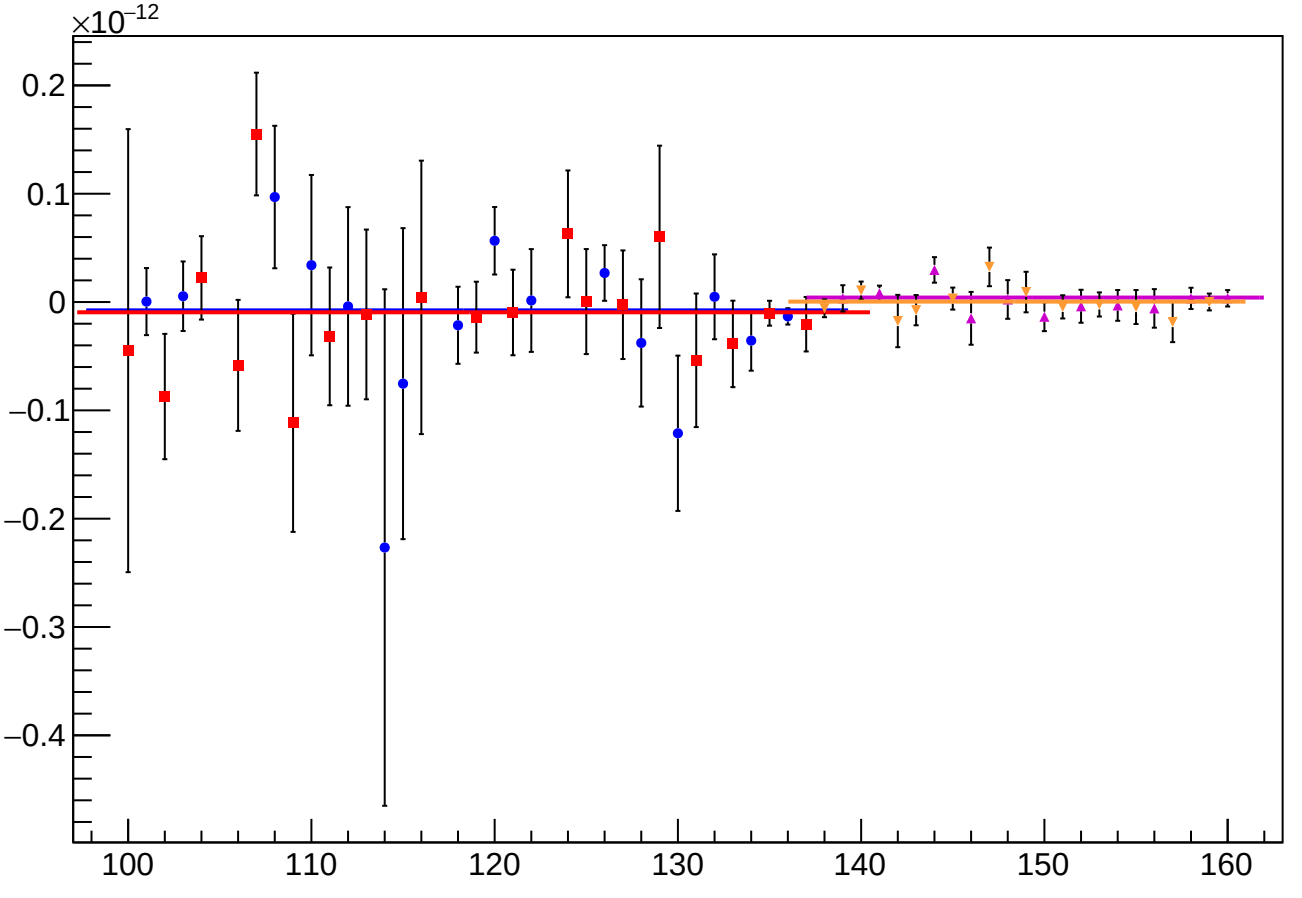
Left: 333.295+/-0.055 χ^2/NDF: 1088937.7/22

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.201+/-0.065 χ^2/NDF:3201866.0/26

Out: 365.102+/-0.066 χ^2/NDF:3199523.0/30

All: 360.569+/-0.046 χ^2/NDF: 6410642.5/57



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:8.3/10

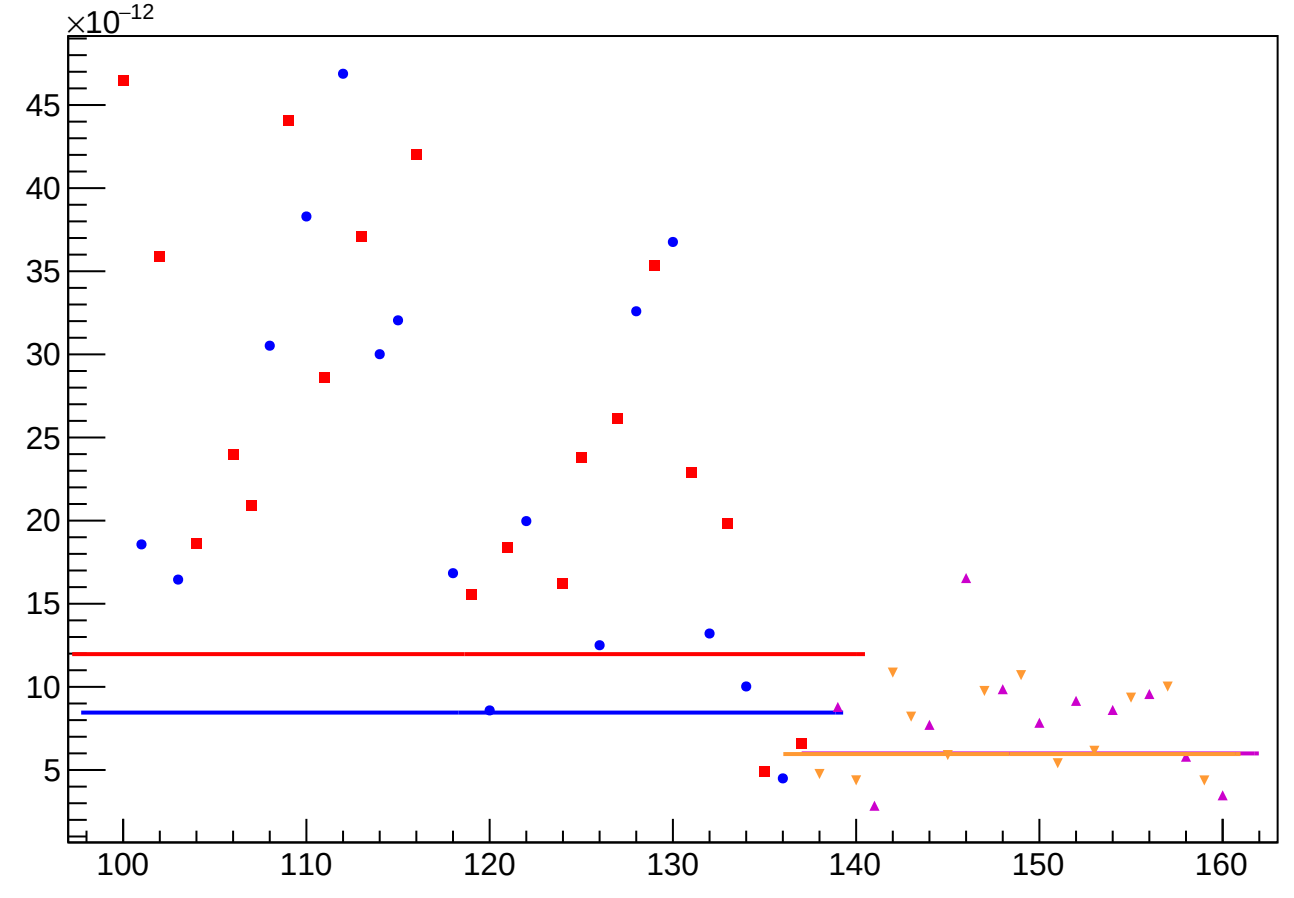
Left: 0.000+/-0.000 χ^2/NDF: 16.8/22

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.8/26

Out: -0.000+/-0.000 χ^2/NDF:25.5/30

All: 0.000+/-0.000 χ^2/NDF: 51.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:748084.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1513316.4/10

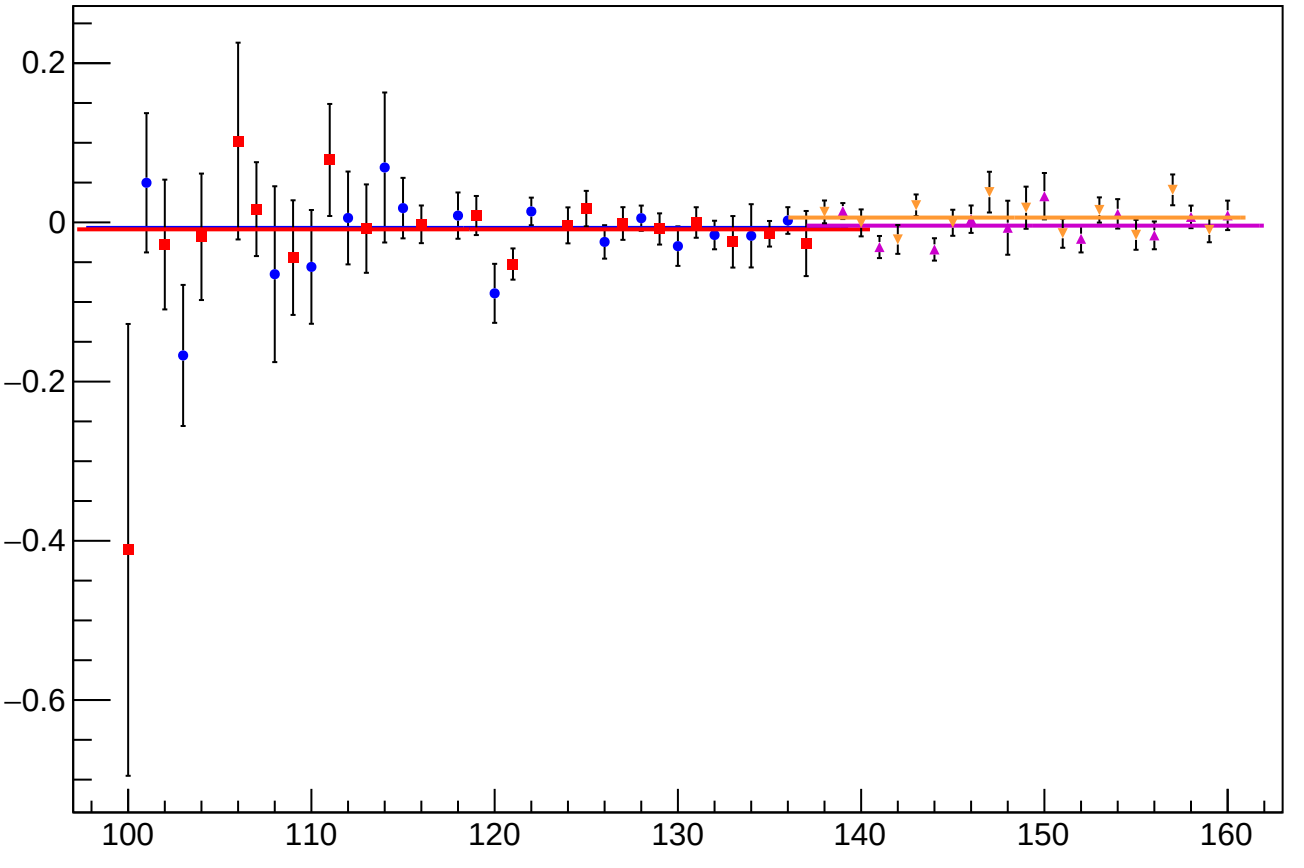
Left: 0.000+/-0.000 χ^2/NDF: 2261523.0/22

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4512303.2/26

Out: 0.000+/-0.000 χ^2/NDF:4443172.0/30

All: 0.000+/-0.000 χ^2/NDF: 8960964.6/57



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: -0.004+/-0.005 χ^2/NDF:16.6/10

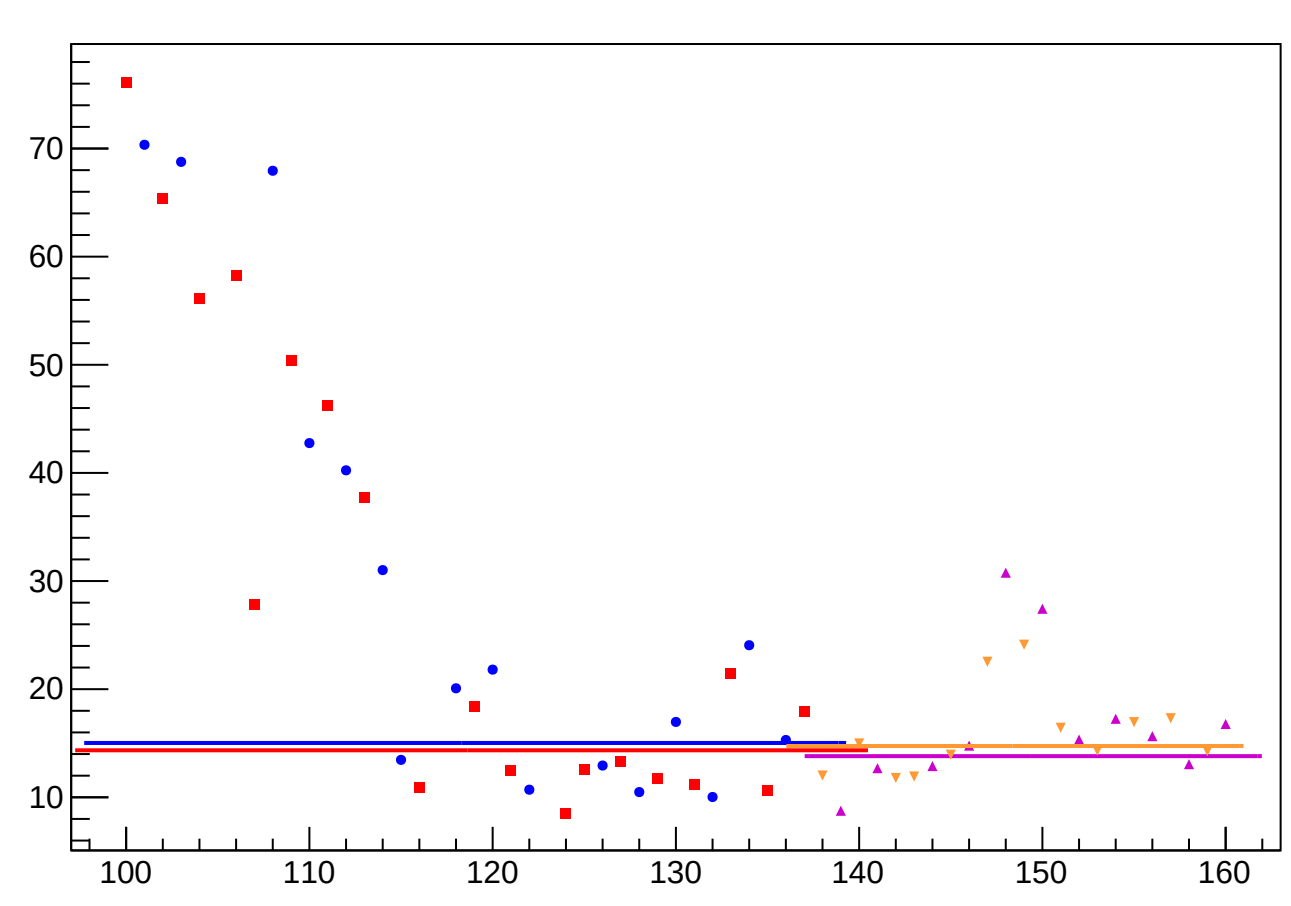
Left: 0.001+/-0.003 χ^2/NDF: 31.7/22

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:31.6/26

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.002+/-0.003 χ^2/NDF: 61.6/57



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: 13.806+/-0.003 χ^2/NDF:1637031.9/10

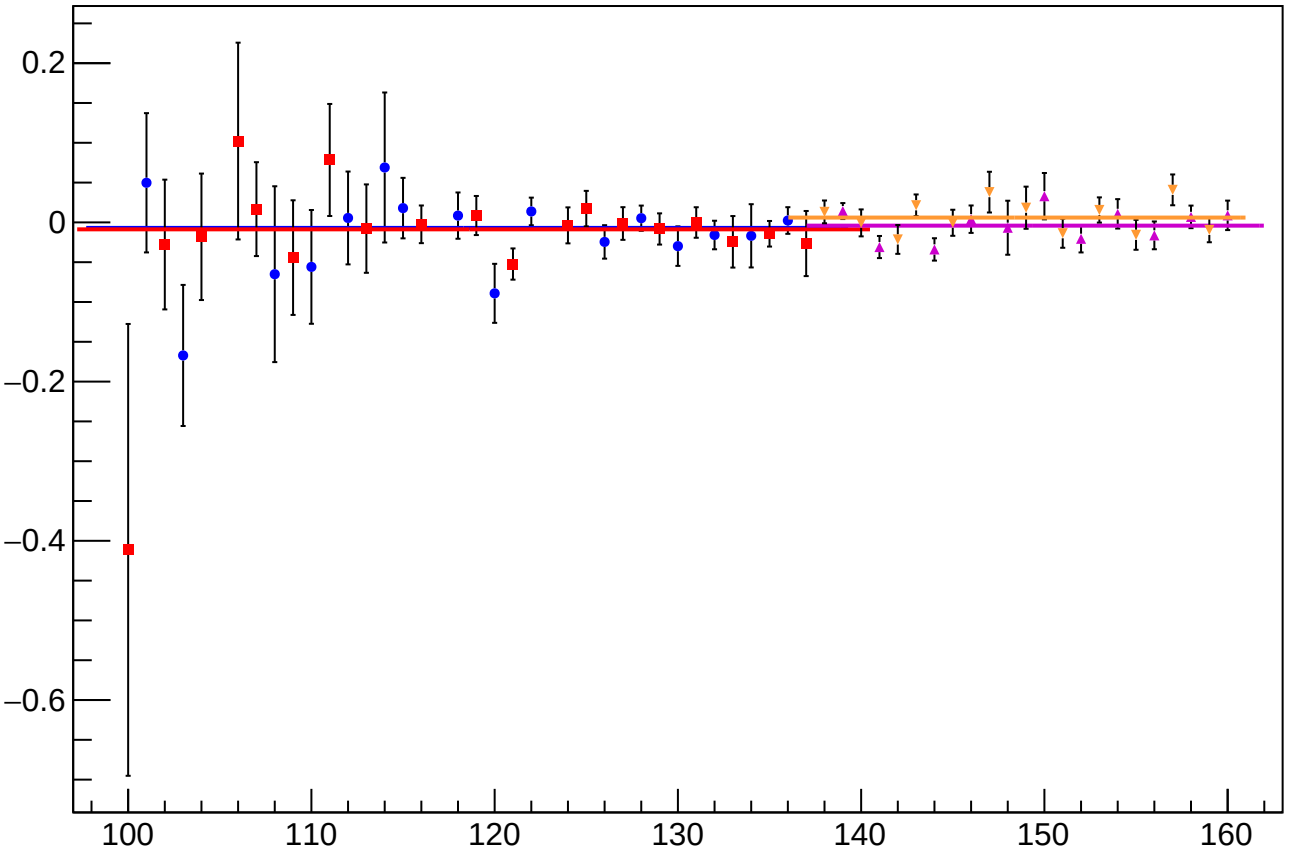
Left: 14.258+/-0.002 χ^2/NDF: 2410137.4/22

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.219+/-0.003 χ^2/NDF:5118693.2/26

Out: 14.594+/-0.003 χ^2/NDF:4370360.2/30

All: 14.406+/-0.002 χ^2/NDF: 9498154.1/57



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: -0.004+/-0.005 χ^2/NDF:16.6/10

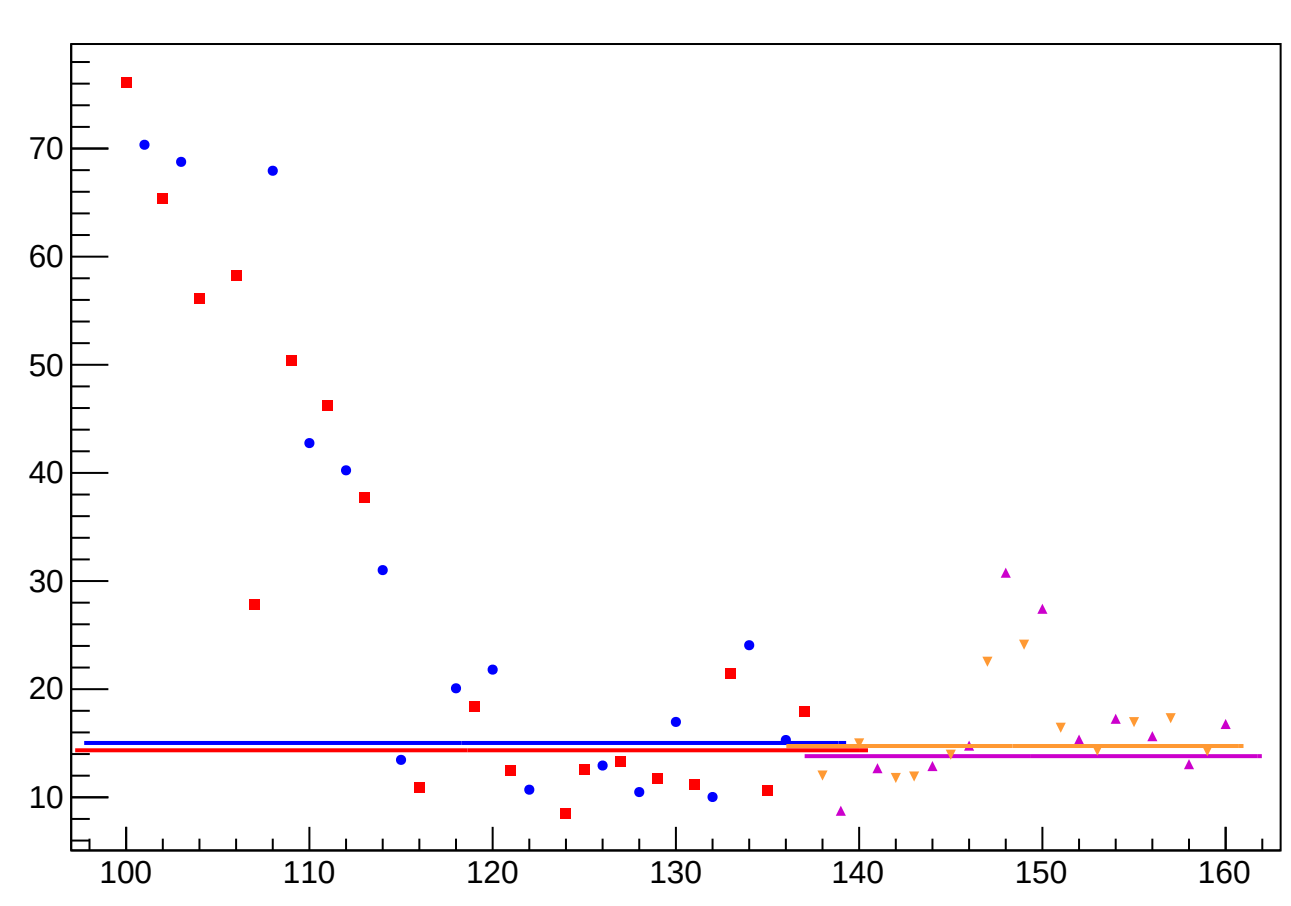
Left: 0.001+/-0.003 χ^2/NDF: 31.7/22

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:31.6/26

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.002+/-0.003 χ^2/NDF: 61.6/57



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: 13.806+/-0.003 χ^2/NDF:1637031.9/10

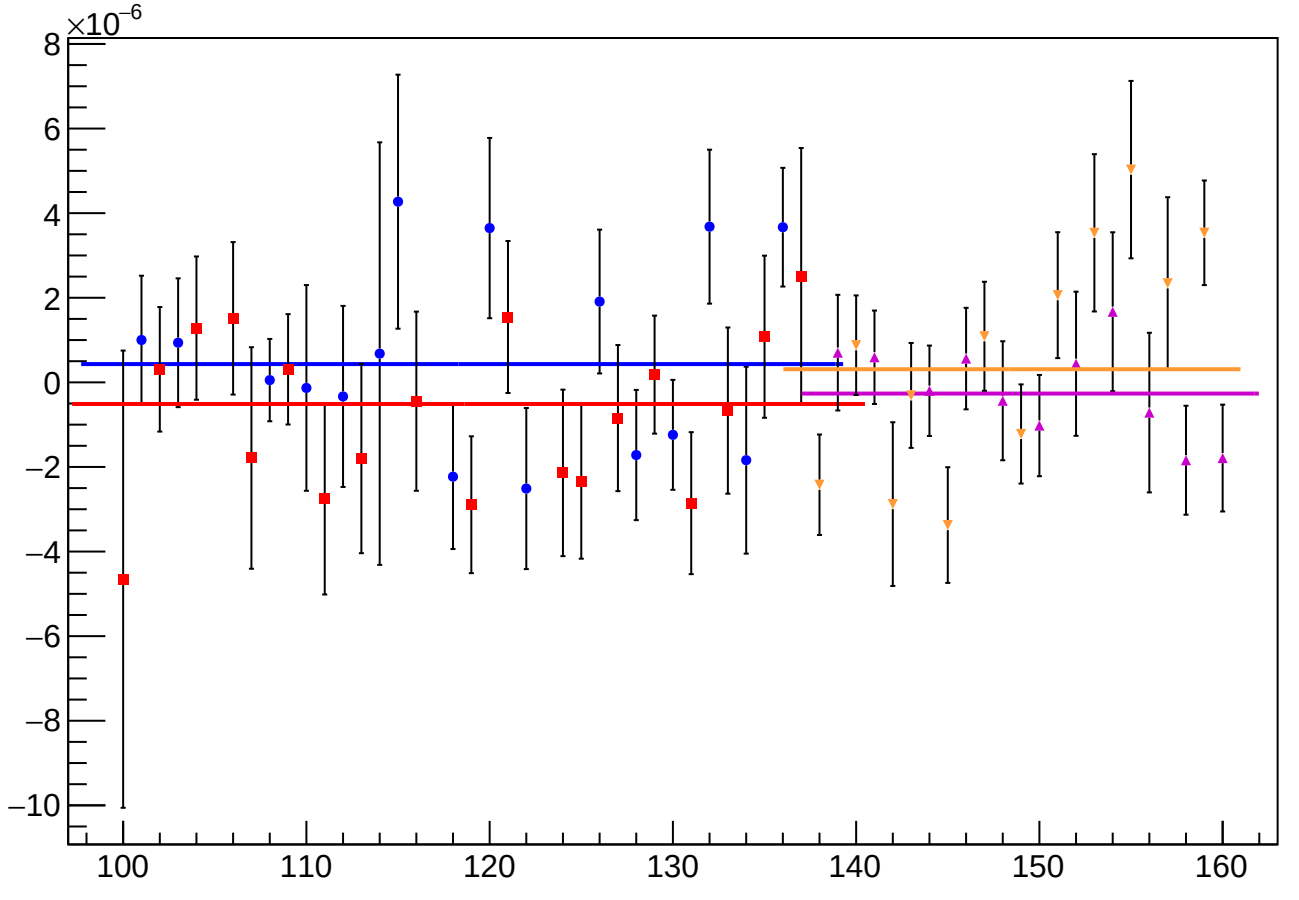
Left: 14.258+/-0.002 χ^2/NDF: 2410137.4/22

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.219+/-0.003 χ^2/NDF:5118693.2/26

Out: 14.594+/-0.003 χ^2/NDF:4370360.2/30

All: 14.406+/-0.002 χ^2/NDF: 9498154.1/57



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:6.2/10

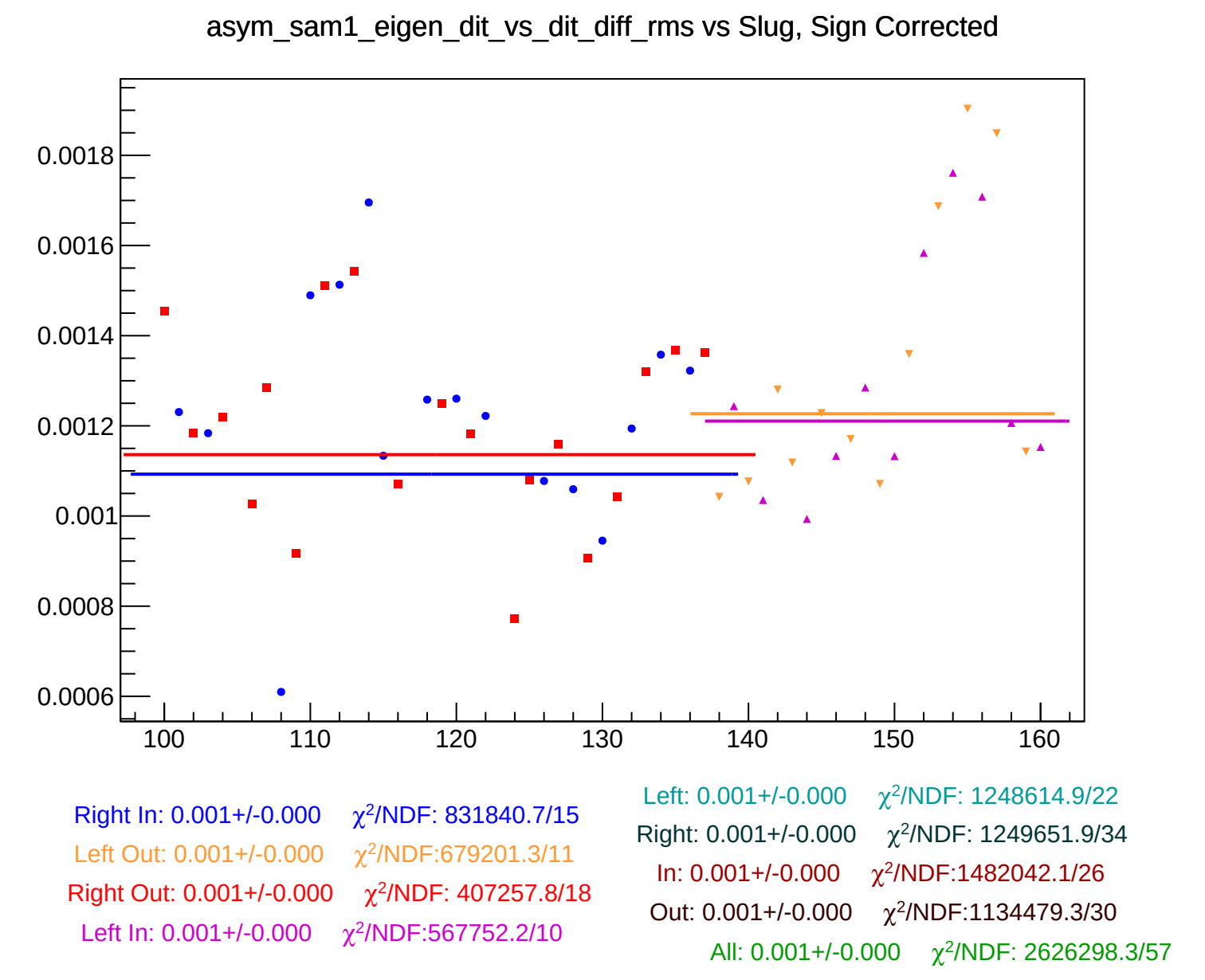
Left: 0.000+/-0.000 χ^2/NDF: 42.3/22

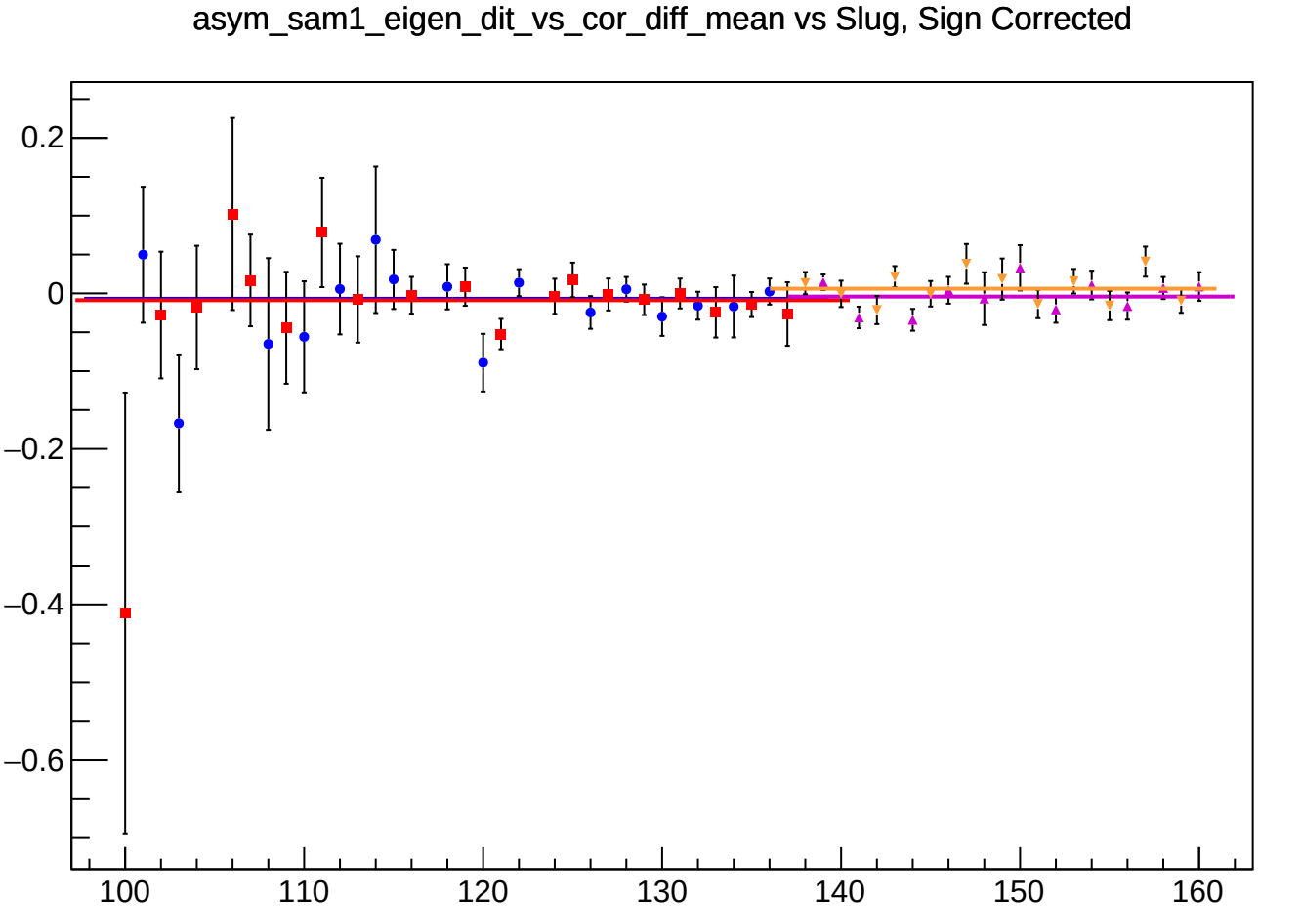
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:30.9/26

Out: -0.000+/-0.000 χ^2/NDF:51.3/30

All: -0.000+/-0.000 χ^2/NDF: 82.4/57


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:567752.2/10
Left: 0.001+/-0.000 χ²/NDF: 1248614.9/22
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1482042.1/26
Out: 0.001+/-0.000 χ²/NDF:1134479.3/30
All: 0.001+/-0.000 χ²/NDF: 2626298.3/57



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: -0.004+/-0.005 χ^2/NDF:16.6/10

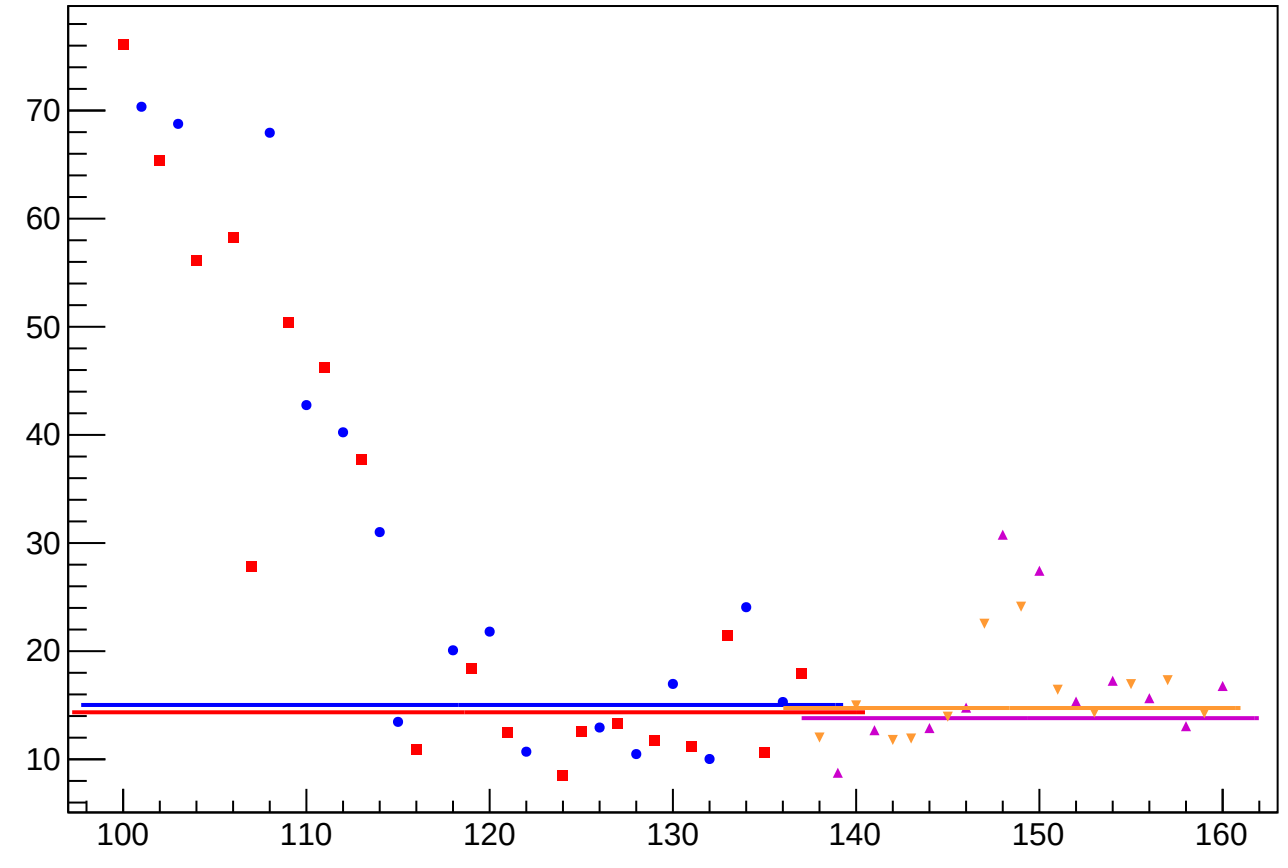
Left: 0.001+/-0.003 χ^2/NDF: 31.7/22

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:31.6/26

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.002+/-0.003 χ^2/NDF: 61.6/57



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: 13.806+/-0.003 χ^2/NDF:1637069.8/10

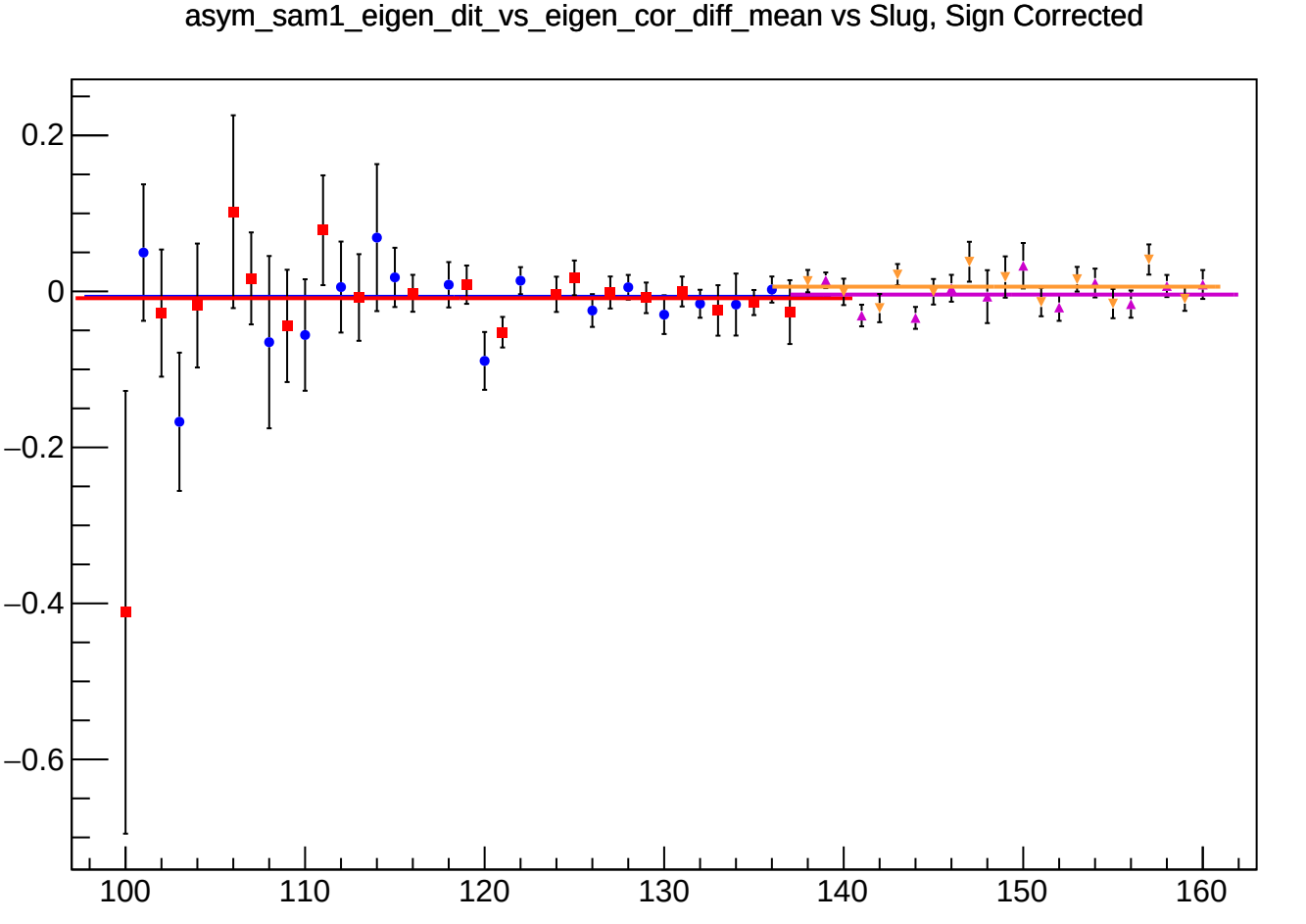
Left: 14.258+/-0.002 χ^2/NDF: 2410189.0/22

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.219+/-0.003 χ^2/NDF:5118740.5/26

Out: 14.593+/-0.003 χ^2/NDF:4370360.1/30

All: 14.405+/-0.002 χ^2/NDF: 9498205.2/57



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: -0.004+/-0.005 χ^2/NDF:16.6/10

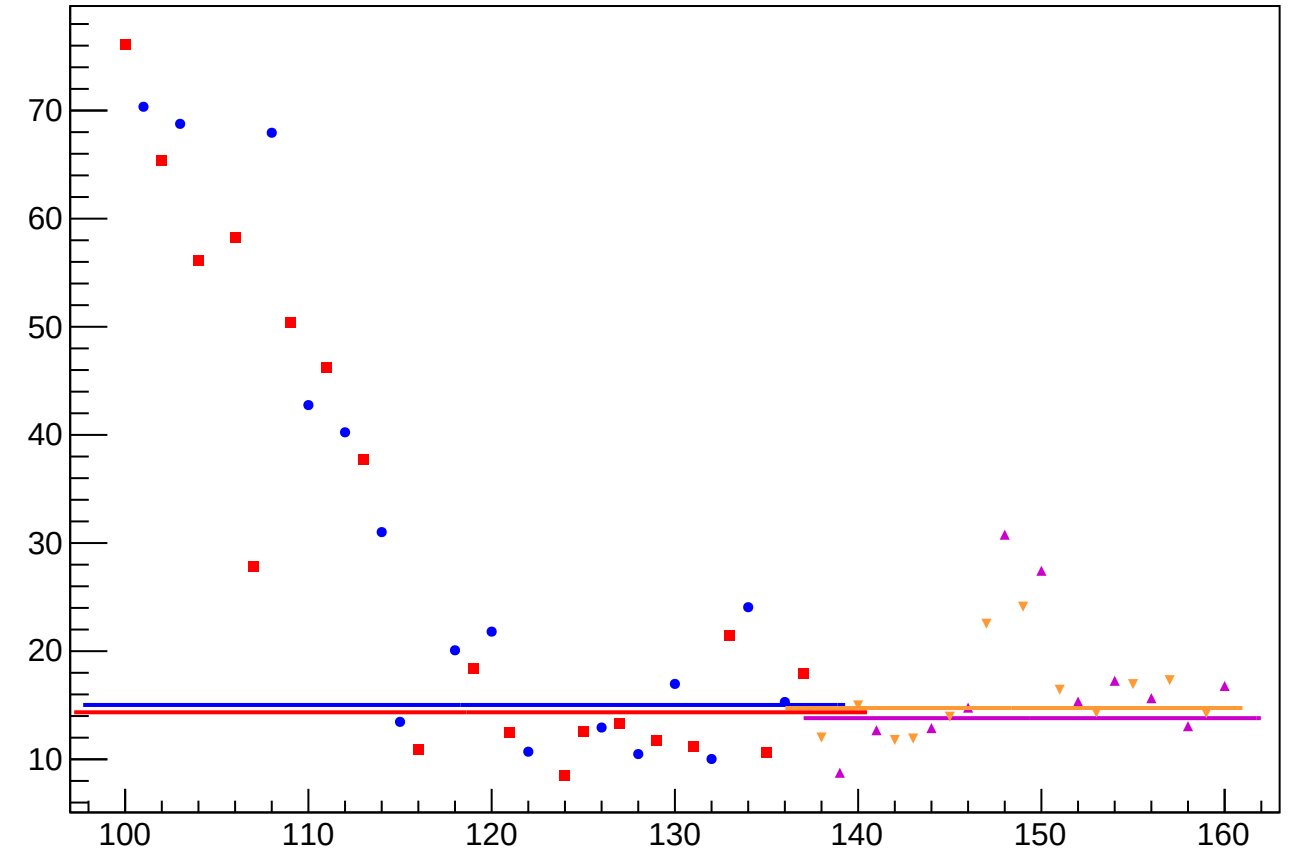
Left: 0.001+/-0.003 χ^2/NDF: 31.7/22

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:31.6/26

Out: 0.000+/-0.004 χ^2/NDF:29.0/30

All: -0.002+/-0.003 χ^2/NDF: 61.6/57



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: 13.806+/-0.003 χ^2/NDF:1637069.8/10

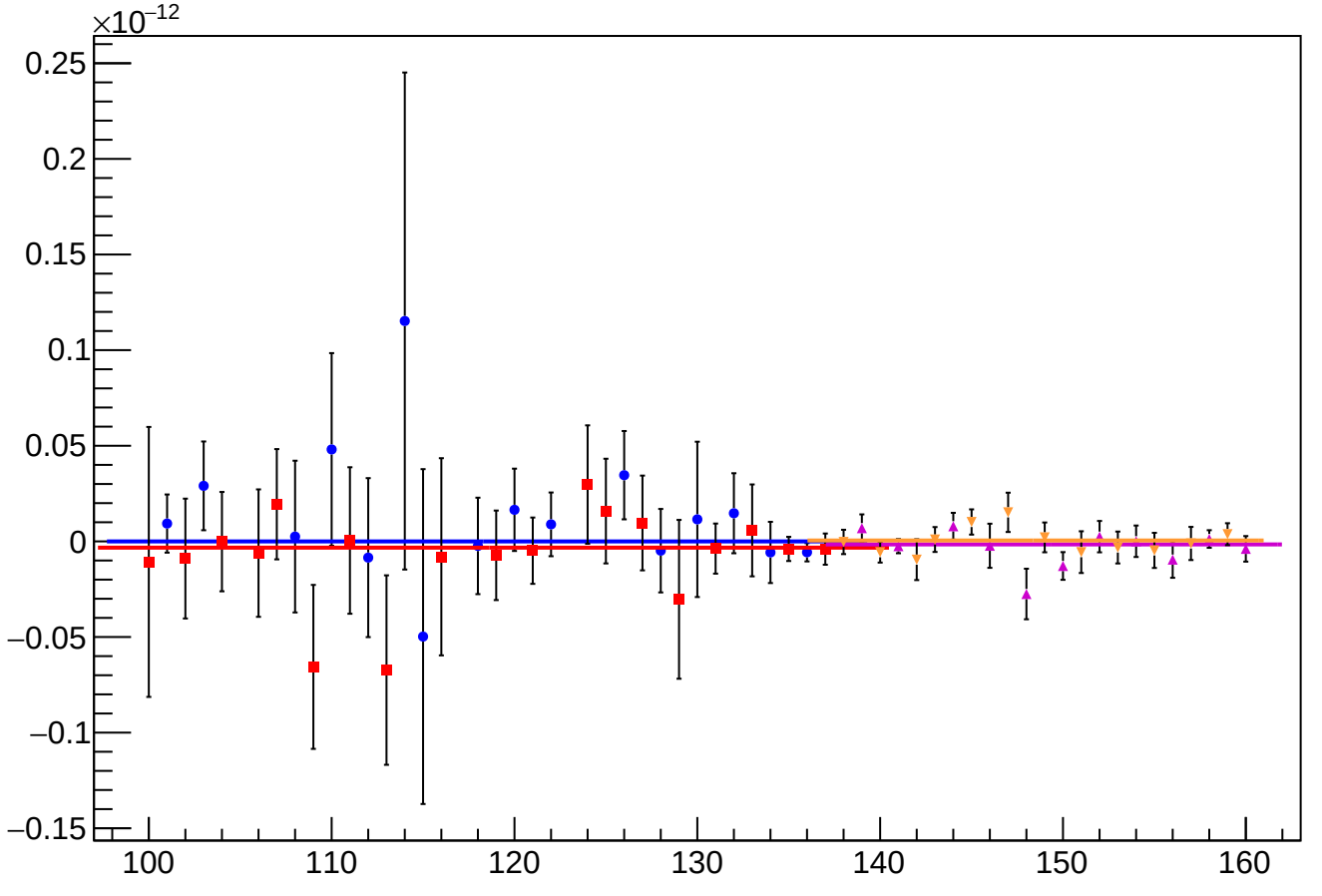
Left: 14.258+/-0.002 χ^2/NDF: 2410189.0/22

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.219+/-0.003 χ^2/NDF:5118740.5/26

Out: 14.593+/-0.003 χ^2/NDF:4370360.1/30

All: 14.405+/-0.002 χ^2/NDF: 9498205.2/57



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:11.0/10

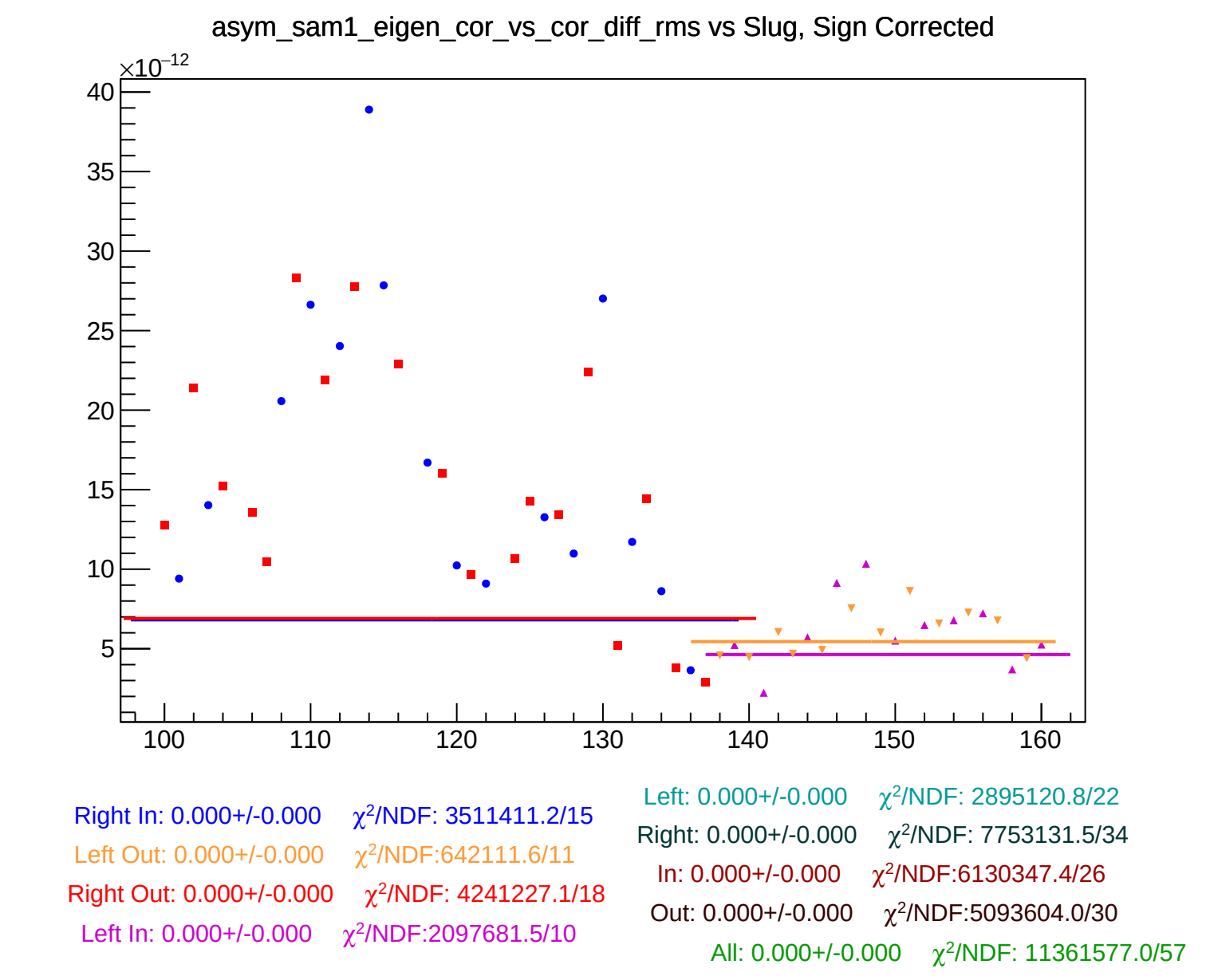
Left: -0.000+/-0.000 χ^2/NDF: 19.1/22

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:20.5/26

Out: -0.000+/-0.000 χ^2/NDF:15.3/30

All: -0.000+/-0.000 χ^2/NDF: 35.9/57


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
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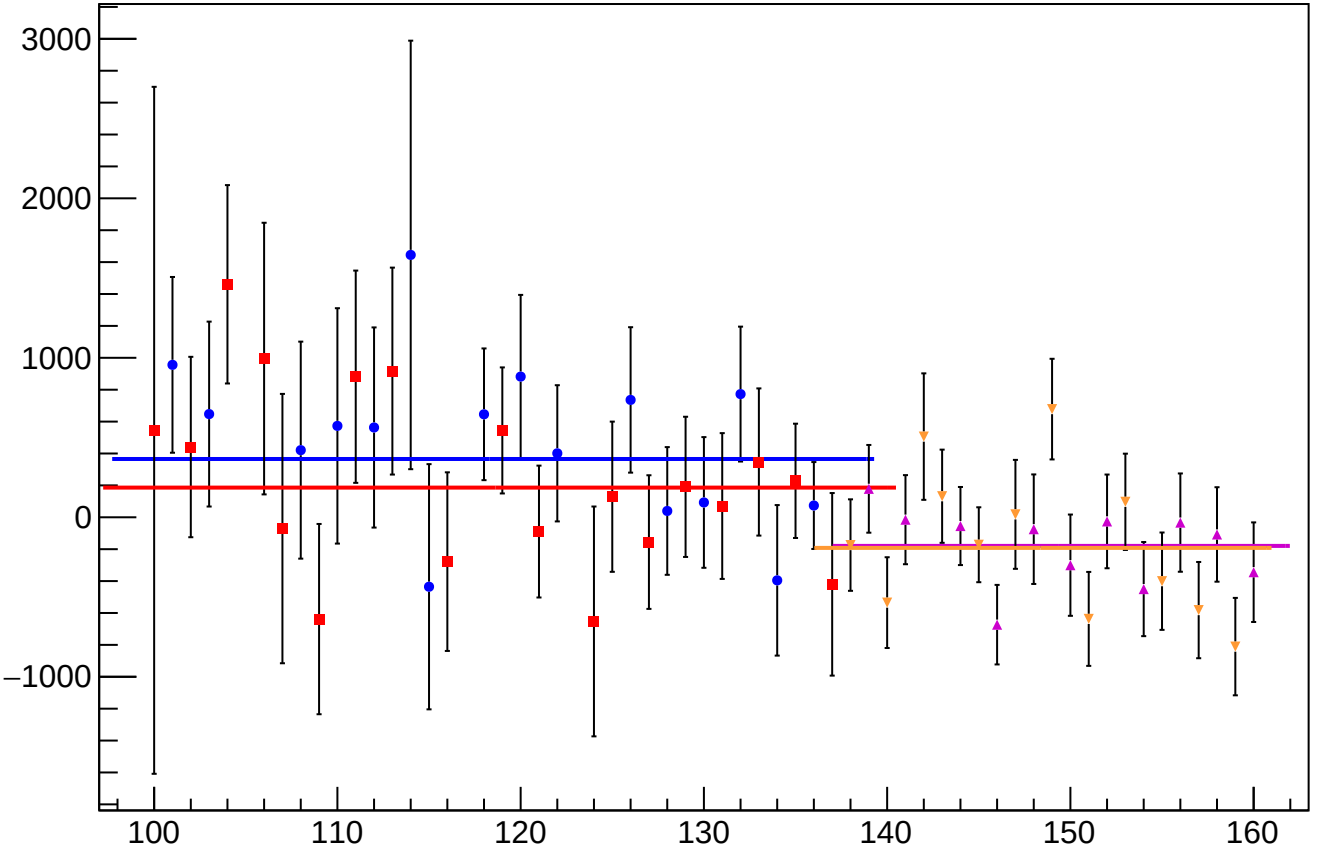
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:642111.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2097681.5/10
Left: 0.000+/-0.000 χ²/NDF: 2895120.8/22
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6130347.4/26
Out: 0.000+/-0.000 χ²/NDF:5093604.0/30
All: 0.000+/-0.000 χ²/NDF: 11361577.0/57

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: -179.403+/-86.892 χ^2/NDF:8.1/10

Left: -185.715+/-61.233 χ^2/NDF: 31.4/22

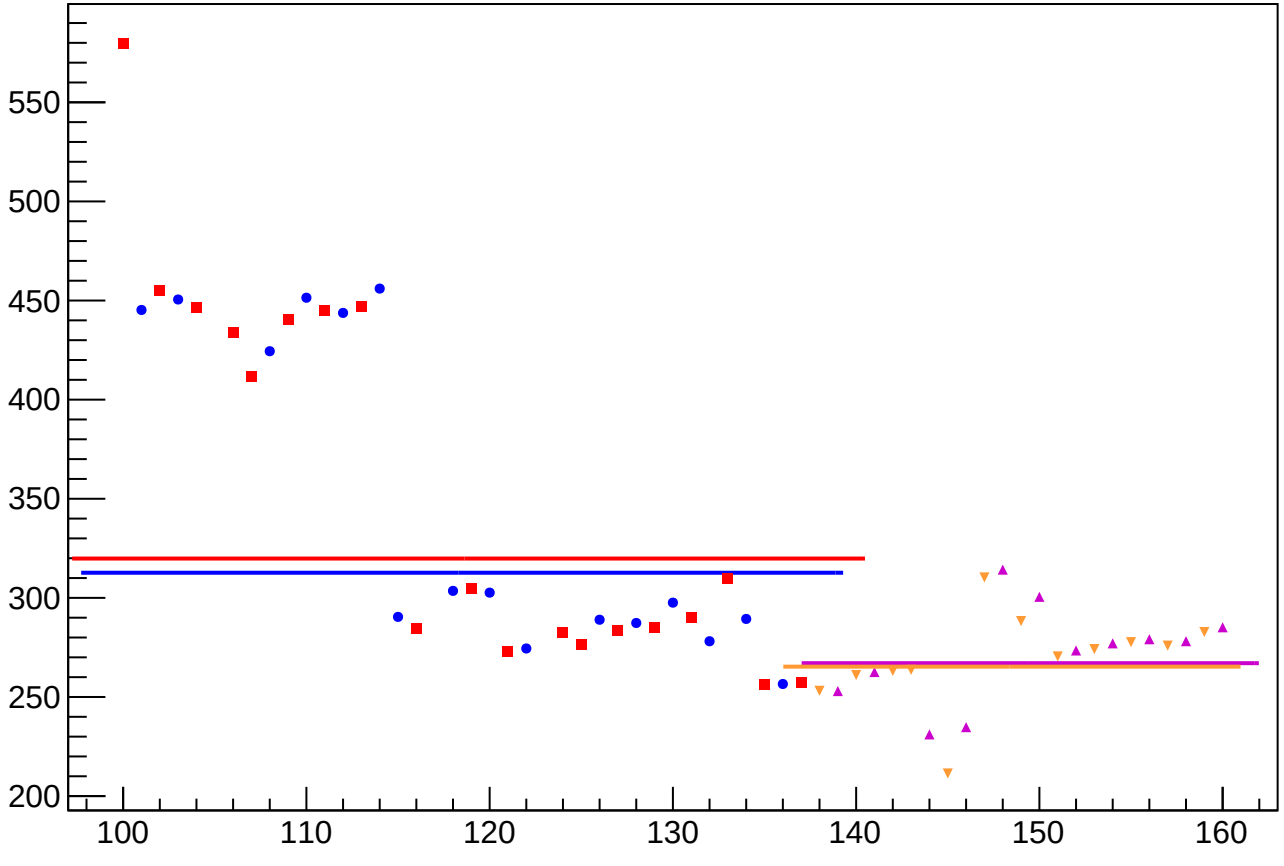
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 10.367+/-70.149 χ^2/NDF:33.3/26

Out: -63.311+/-70.103 χ^2/NDF:44.8/30

All: -26.496+/-49.587 χ^2/NDF: 78.6/57

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: 267.055+/-0.061 χ^2/NDF:158144.1/10

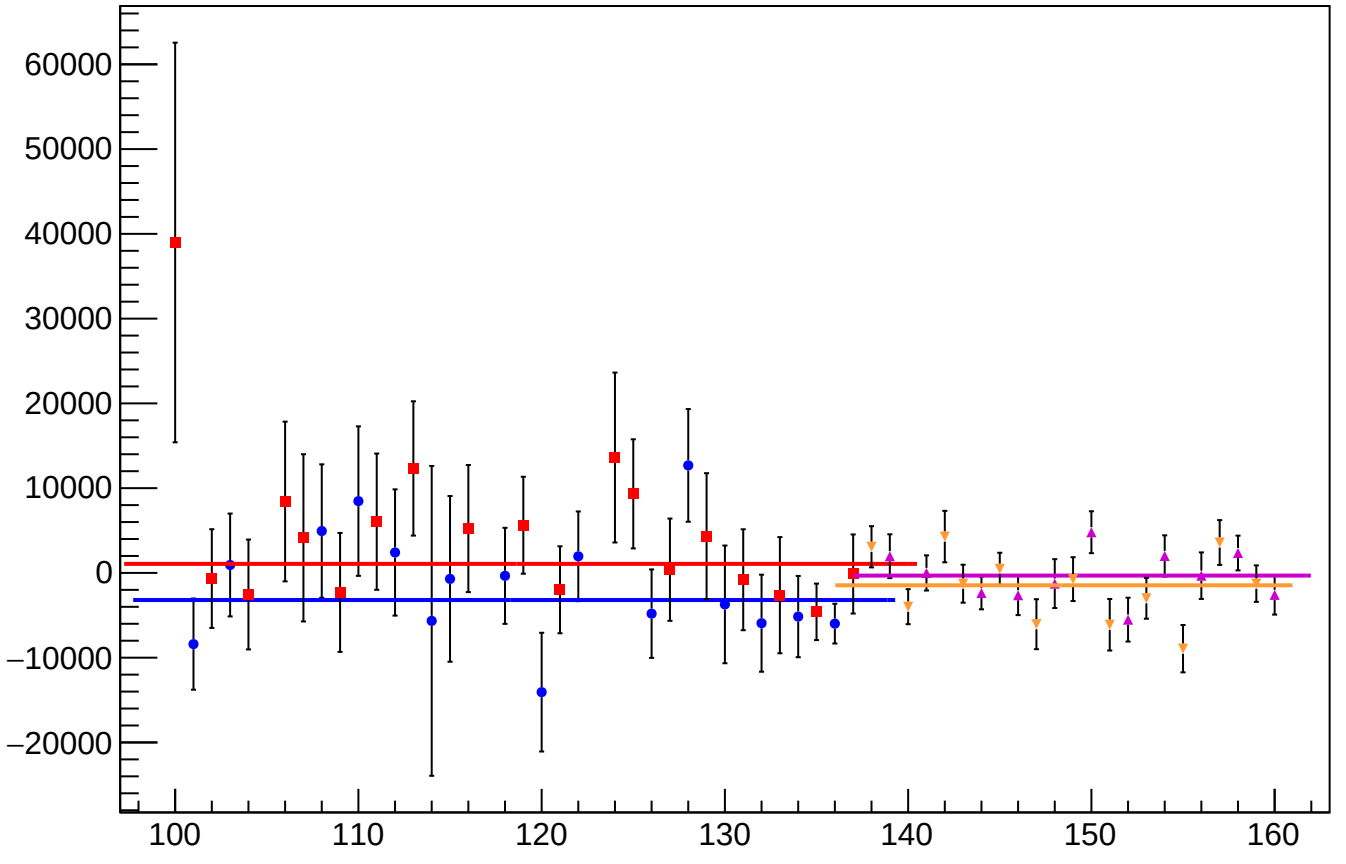
Left: 266.174+/-0.043 χ^2/NDF: 327953.9/22

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.944+/-0.050 χ^2/NDF:952402.6/26

Out: 283.859+/-0.050 χ^2/NDF:1138965.7/30

All: 283.402+/-0.035 χ^2/NDF: 2091538.5/57



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: -314.915+/-708.859 χ^2/NDF:14.9/10

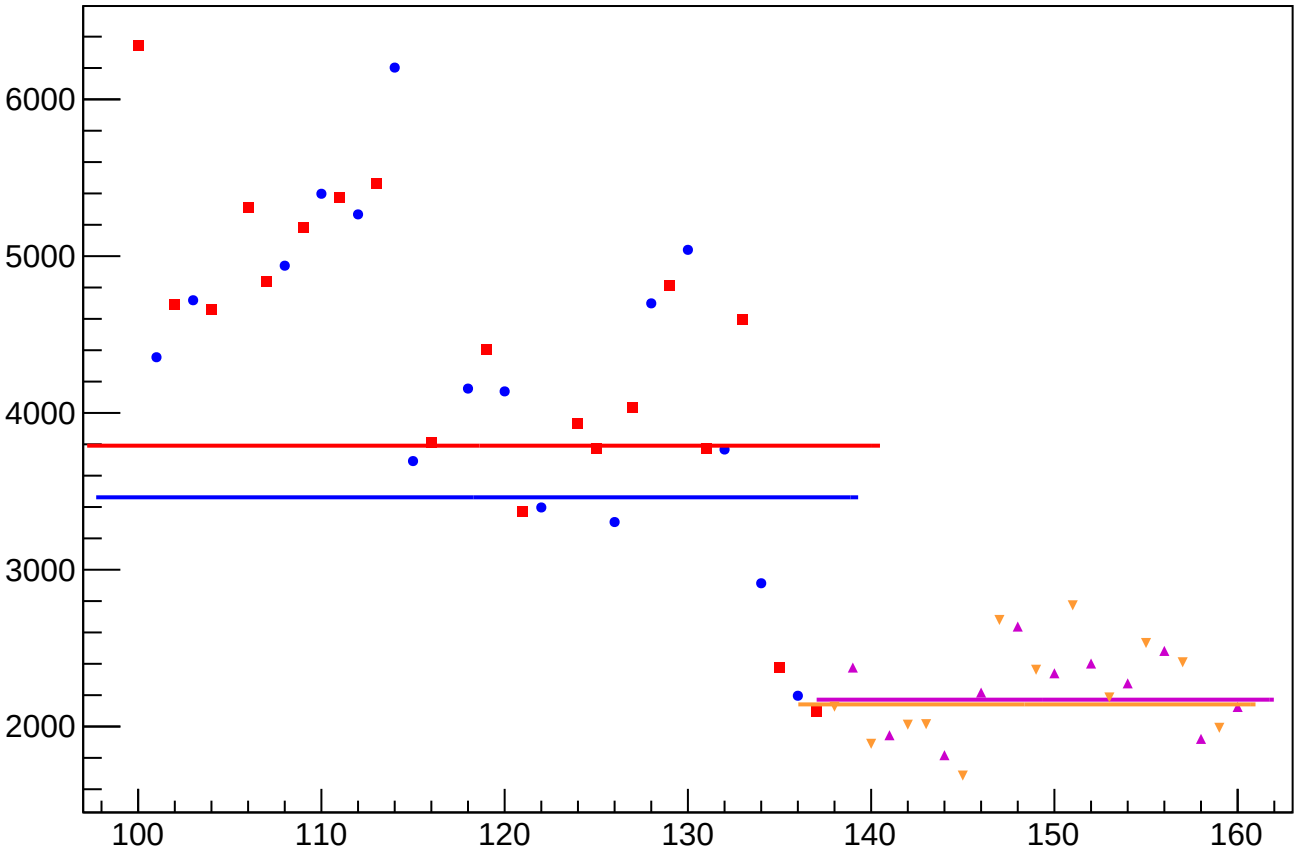
Left: -892.098+/-499.200 χ^2/NDF: 41.9/22

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -935.423+/-627.983 χ^2/NDF:34.5/26

Out: -975.503+/-632.109 χ^2/NDF:42.6/30

All: -955.332+/-445.503 χ^2/NDF: 77.1/57



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: 2171.291+/-0.501 χ^2/NDF:241984.7/10

Left: 2156.090+/-0.353 χ^2/NDF: 636300.5/22

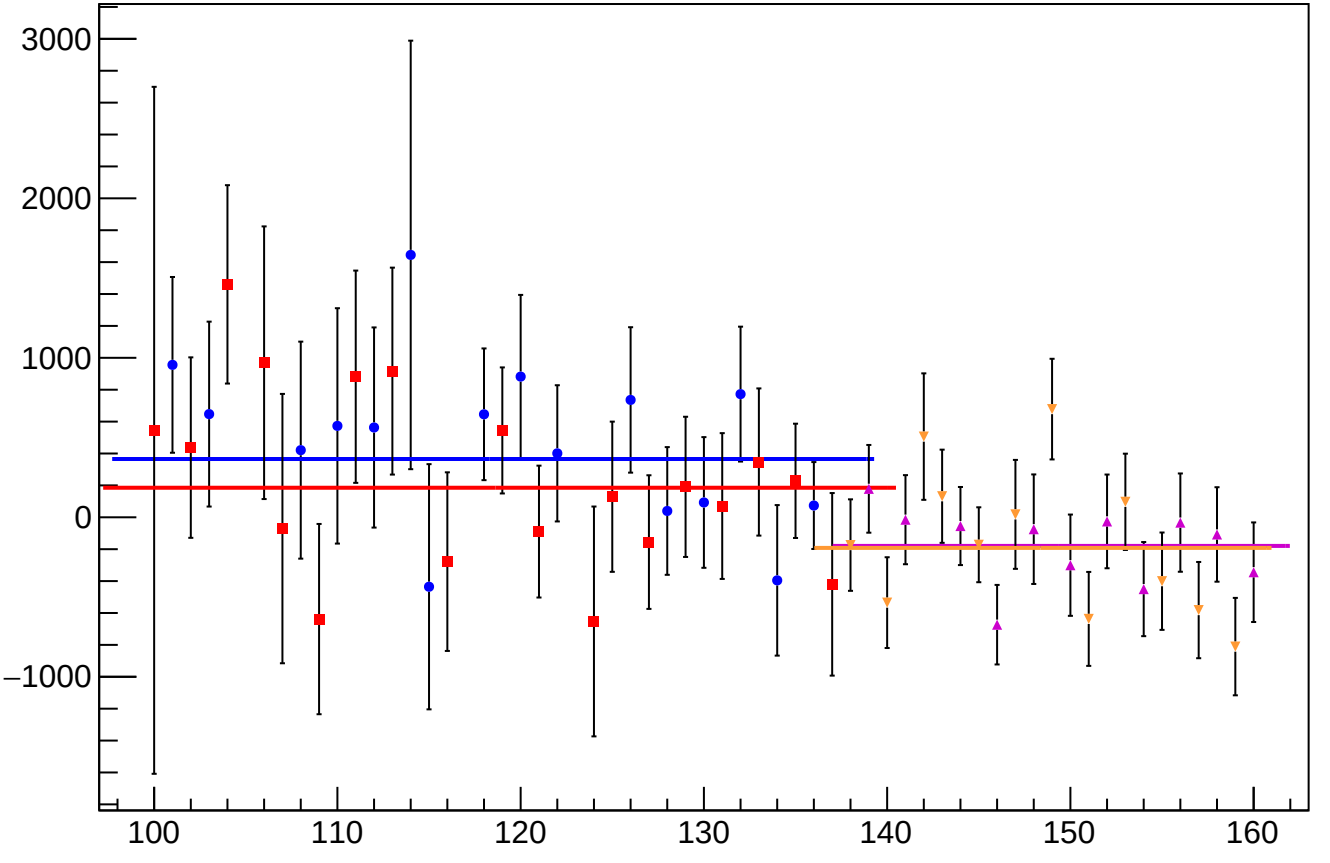
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2448.995+/-0.444 χ^2/NDF:2978146.1/26

Out: 2457.622+/-0.447 χ^2/NDF:3660885.7/30

All: 2453.280+/-0.315 χ^2/NDF: 6639219.3/57

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: -179.407+/-86.892 χ^2/NDF:8.1/10

Left: -185.707+/-61.233 χ^2/NDF: 31.4/22

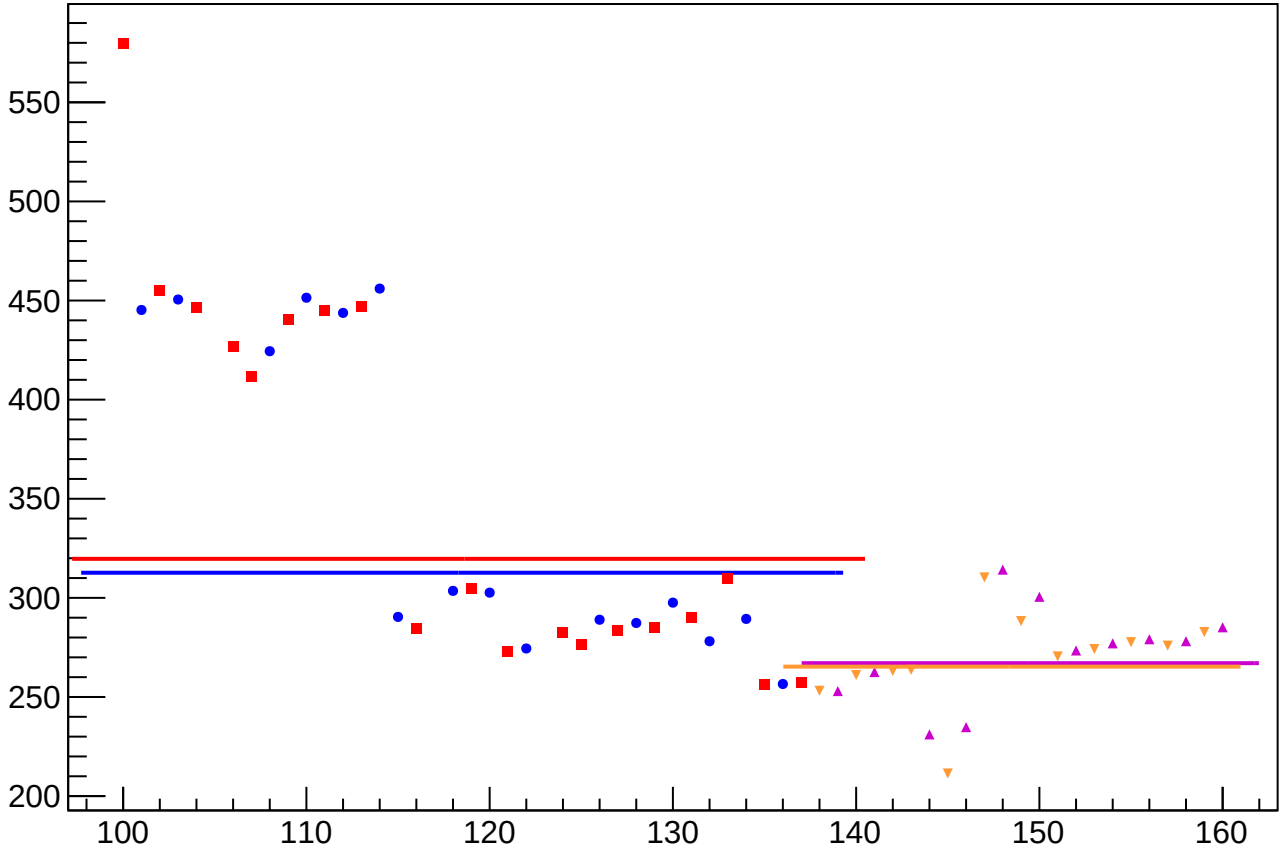
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 10.359+/-70.149 χ^2/NDF:33.3/26

Out: -63.591+/-70.105 χ^2/NDF:44.7/30

All: -26.639+/-49.587 χ^2/NDF: 78.5/57

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: 267.055+/-0.061 χ^2/NDF:158144.1/10

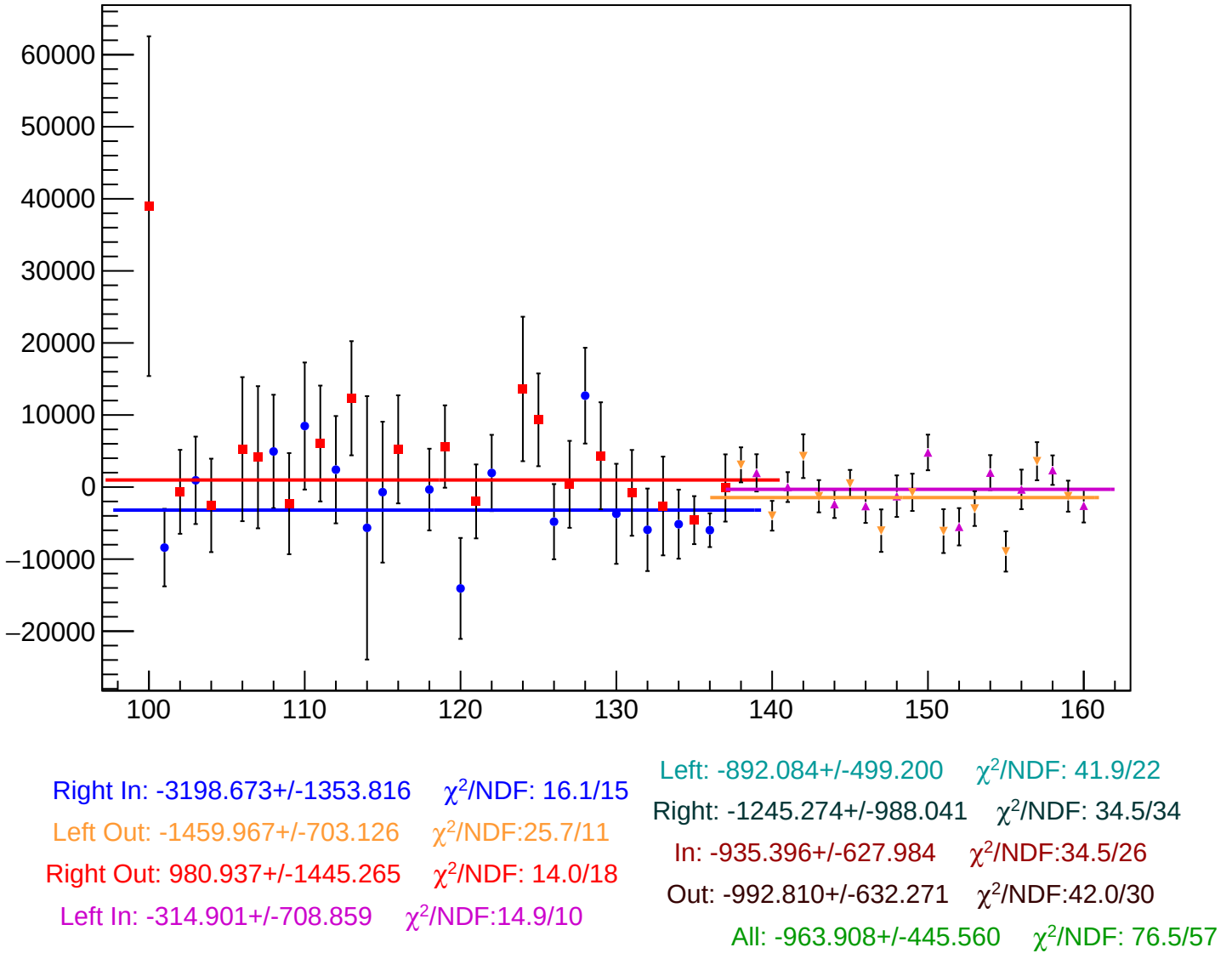
Left: 266.174+/-0.043 χ^2/NDF: 327954.0/22

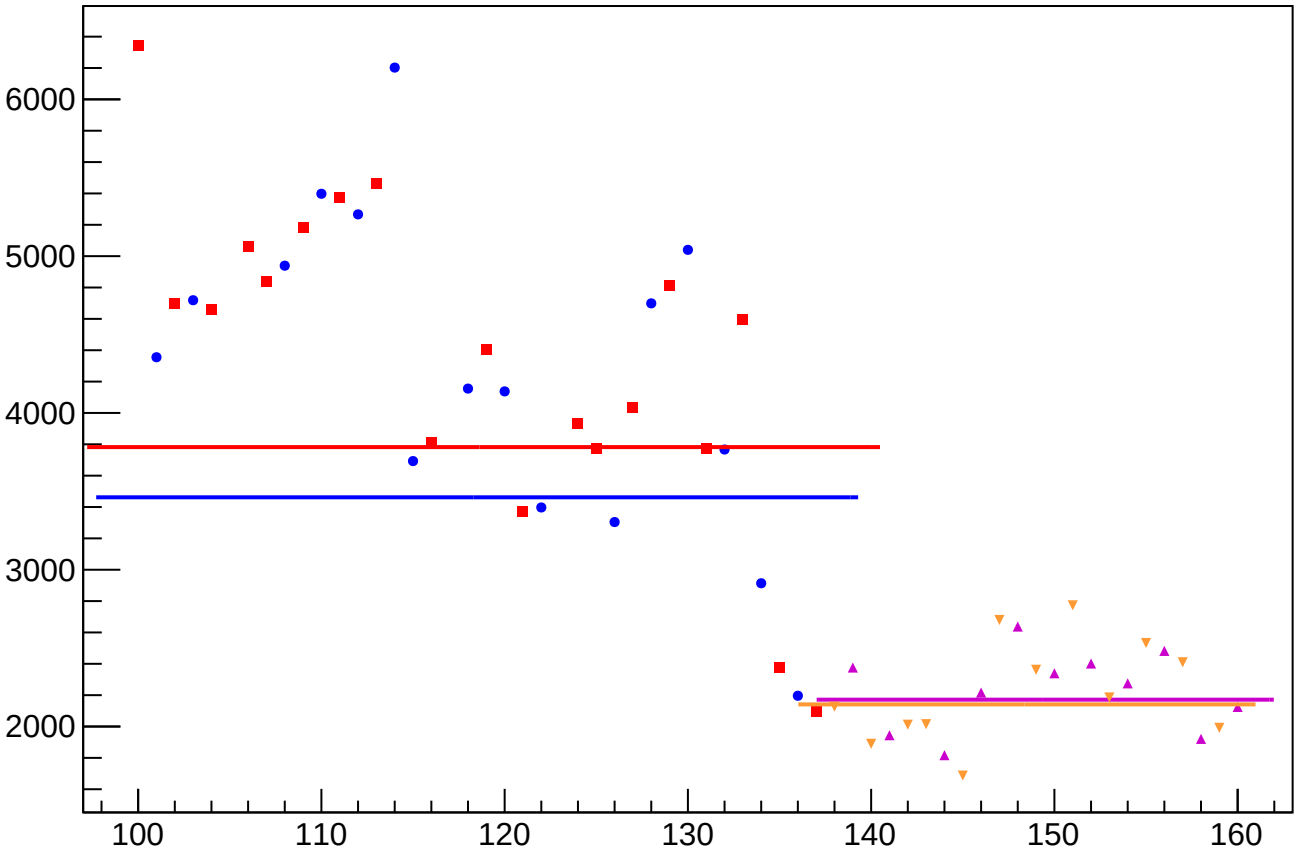
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.944+/-0.050 χ^2/NDF:952404.1/26

Out: 283.806+/-0.050 χ^2/NDF:1133294.7/30

All: 283.376+/-0.035 χ^2/NDF: 2085850.1/57


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
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: -314.901+/-708.859 χ²/NDF:14.9/10
Left: -892.084+/-499.200 χ²/NDF: 41.9/22
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -935.396+/-627.984 χ²/NDF:34.5/26
Out: -992.810+/-632.271 χ²/NDF:42.0/30
All: -963.908+/-445.560 χ²/NDF: 76.5/57



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: 2171.292+/-0.501 χ^2/NDF:241984.7/10

Left: 2156.090+/-0.353 χ^2/NDF: 636301.6/22

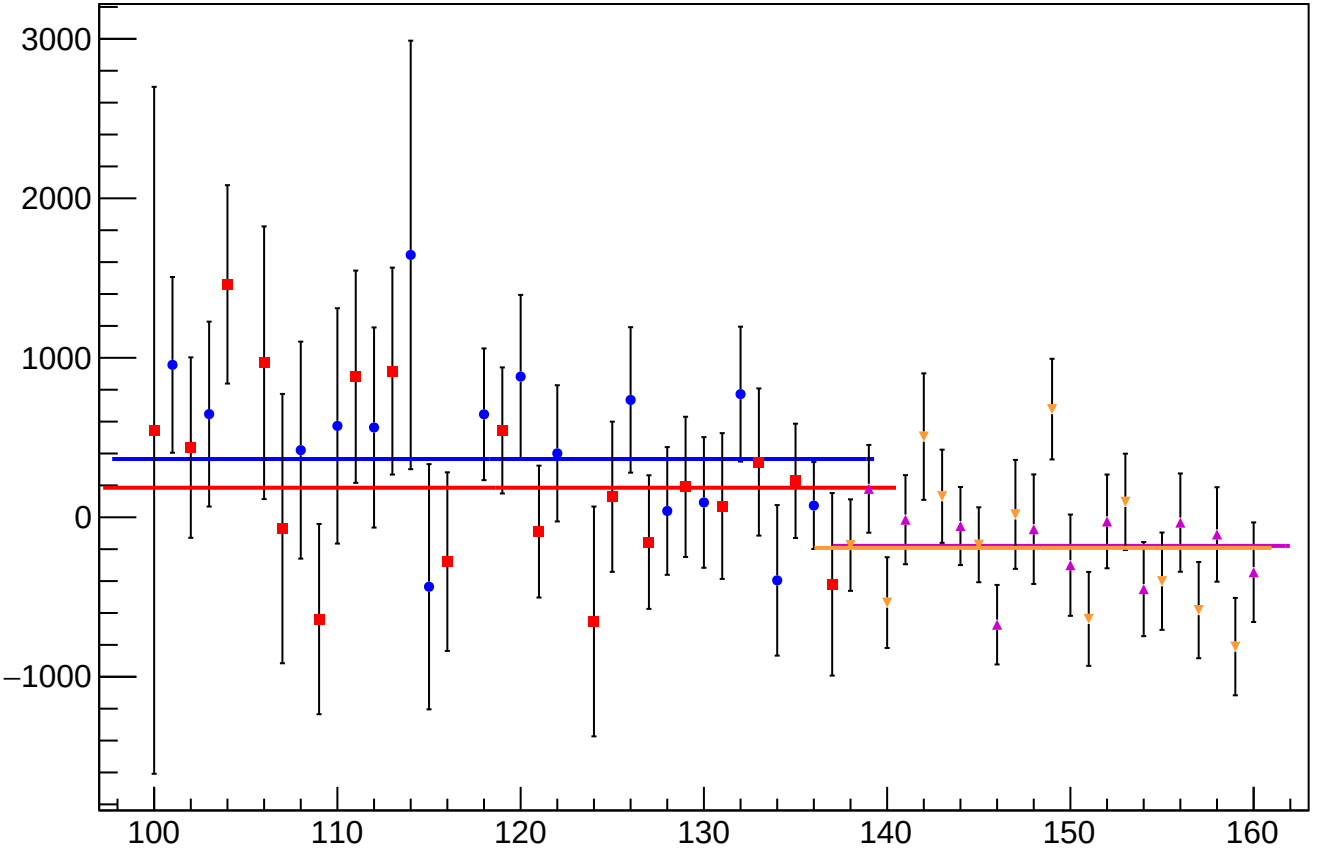
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2448.996+/-0.444 χ^2/NDF:2978165.4/26

Out: 2455.208+/-0.447 χ^2/NDF:3613881.1/30

All: 2452.081+/-0.315 χ^2/NDF: 6592143.7/57

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: -179.407+/-86.892 χ^2/NDF:8.1/10

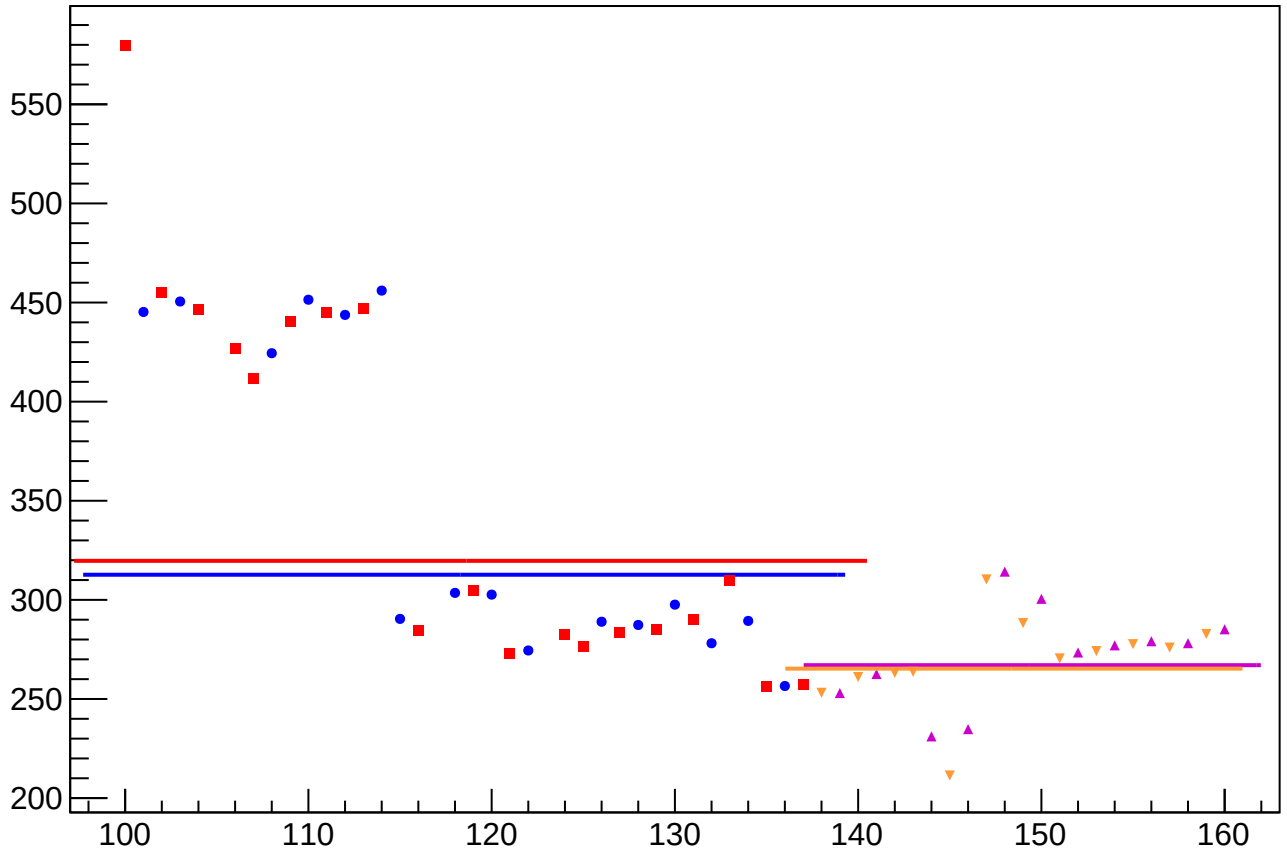
Left: -185.707+/-61.233 χ^2/NDF: 31.4/22

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 10.359+/-70.149 χ^2/NDF:33.3/26

Out: -63.591+/-70.105 χ^2/NDF:44.7/30

All: -26.639+/-49.587 χ^2/NDF: 78.5/57



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: 267.055+/-0.061 χ^2/NDF:158144.1/10

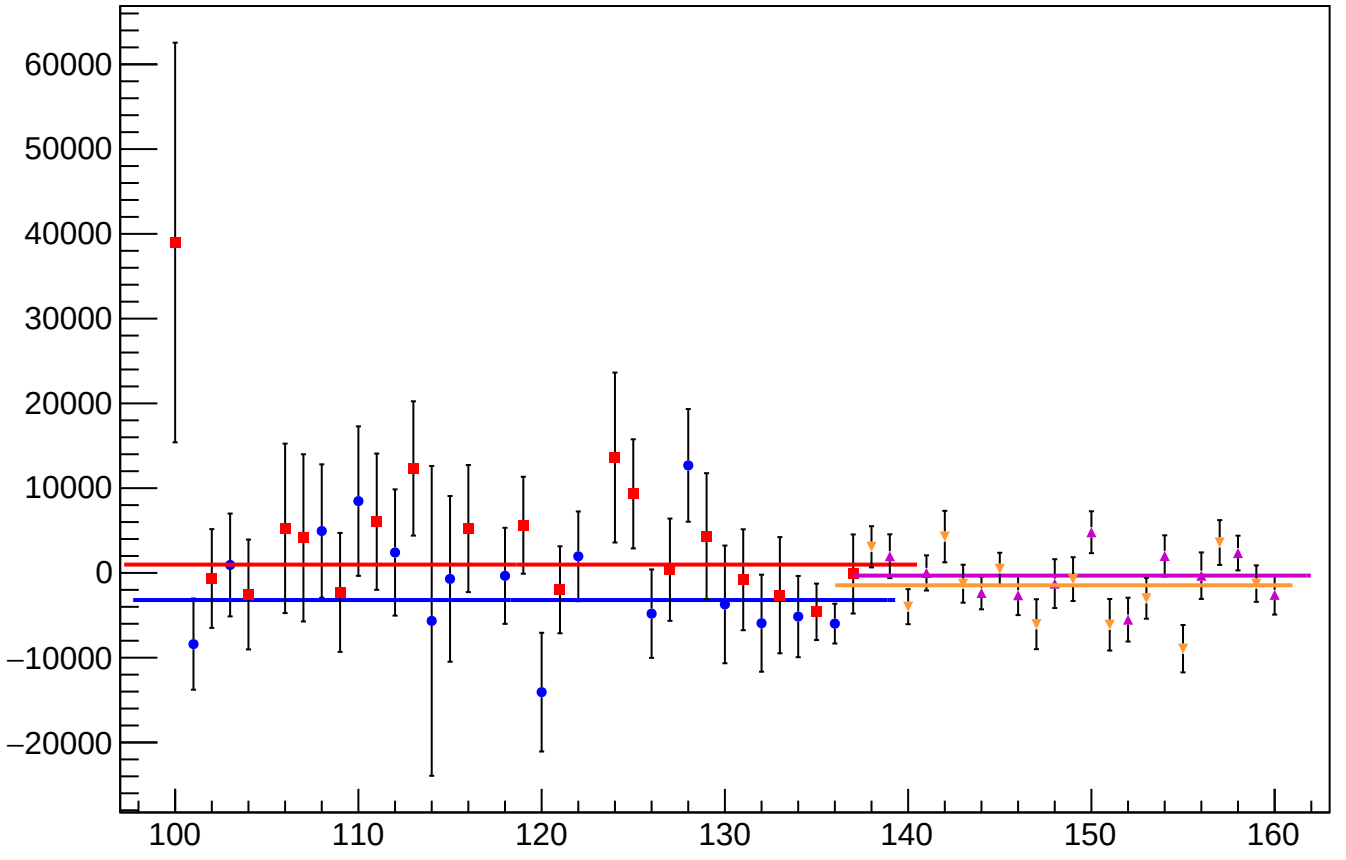
Left: 266.174+/-0.043 χ^2/NDF: 327954.0/22

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.944+/-0.050 χ^2/NDF:952404.1/26

Out: 283.806+/-0.050 χ^2/NDF:1133294.7/30

All: 283.376+/-0.035 χ^2/NDF: 2085850.1/57



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1459.967+/-703.126 χ^2/NDF:25.7/11

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -314.901+/-708.859 χ^2/NDF:14.9/10

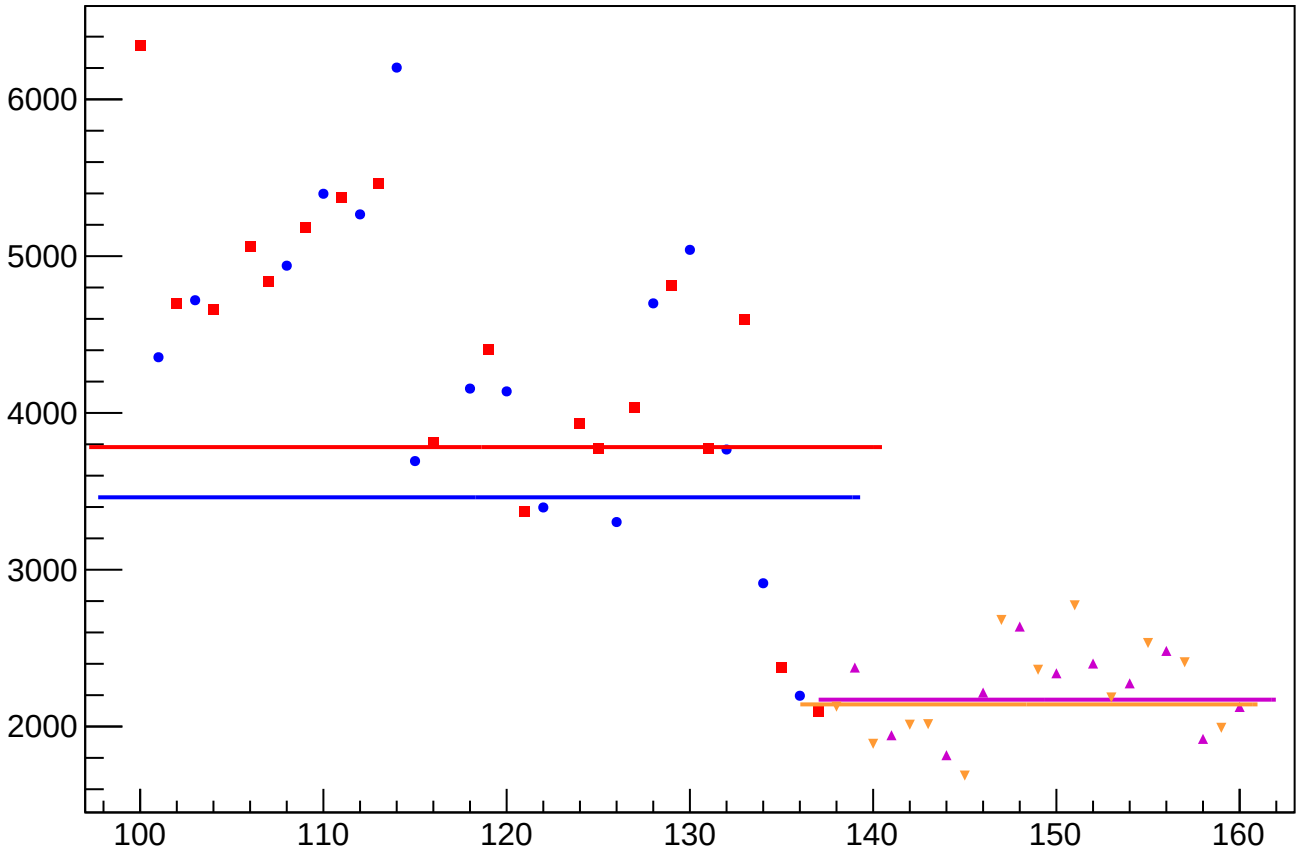
Left: -892.084+/-499.200 χ^2/NDF: 41.9/22

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -935.396+/-627.984 χ^2/NDF:34.5/26

Out: -992.810+/-632.271 χ^2/NDF:42.0/30

All: -963.908+/-445.560 χ^2/NDF: 76.5/57



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: 2171.292+/-0.501 χ^2/NDF:241984.7/10

Left: 2156.090+/-0.353 χ^2/NDF: 636301.6/22

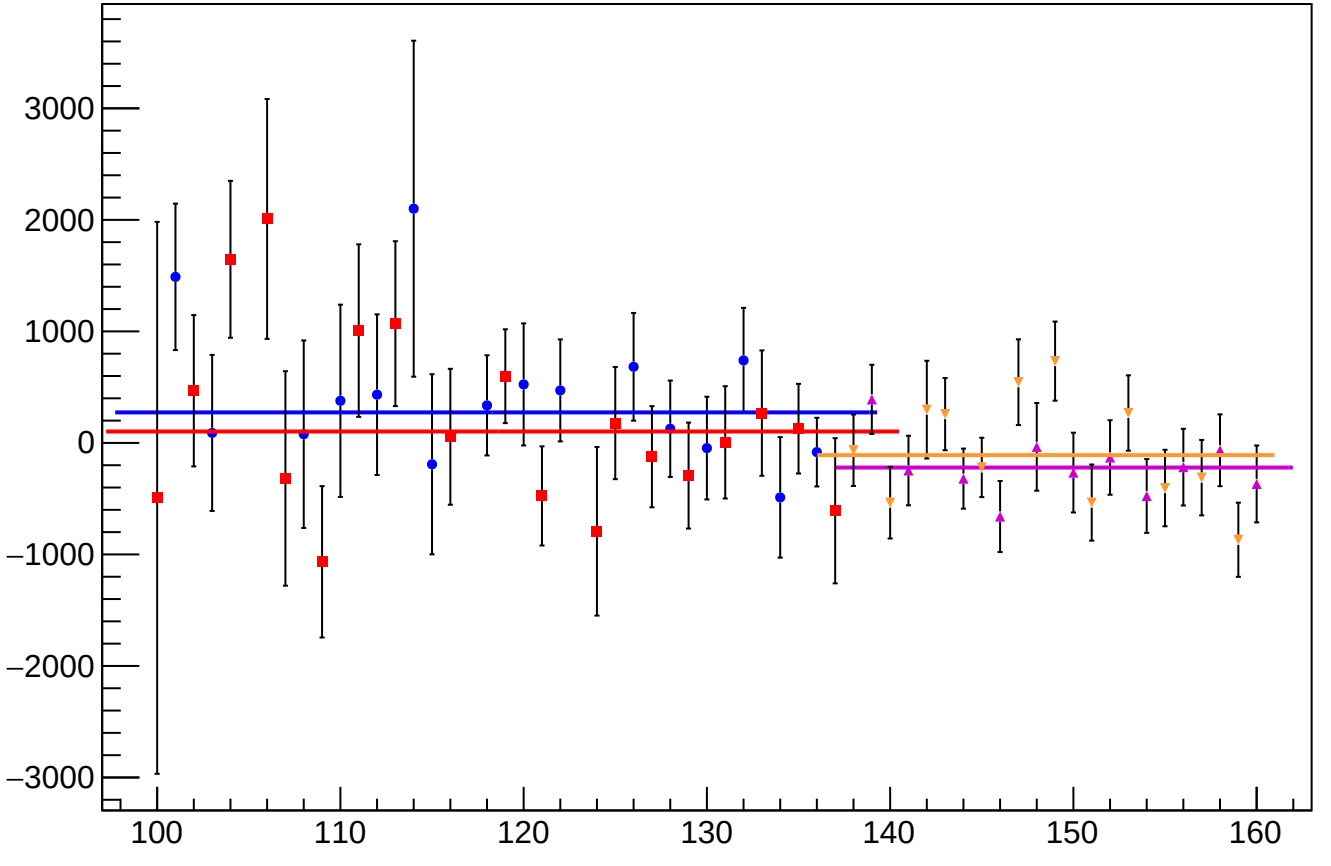
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2448.996+/-0.444 χ^2/NDF:2978165.4/26

Out: 2455.208+/-0.447 χ^2/NDF:3613881.1/30

All: 2452.081+/-0.315 χ^2/NDF: 6592143.7/57

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: -220.870+/-98.448 χ^2/NDF:7.2/10

Left: -164.280+/-69.042 χ^2/NDF: 29.6/22

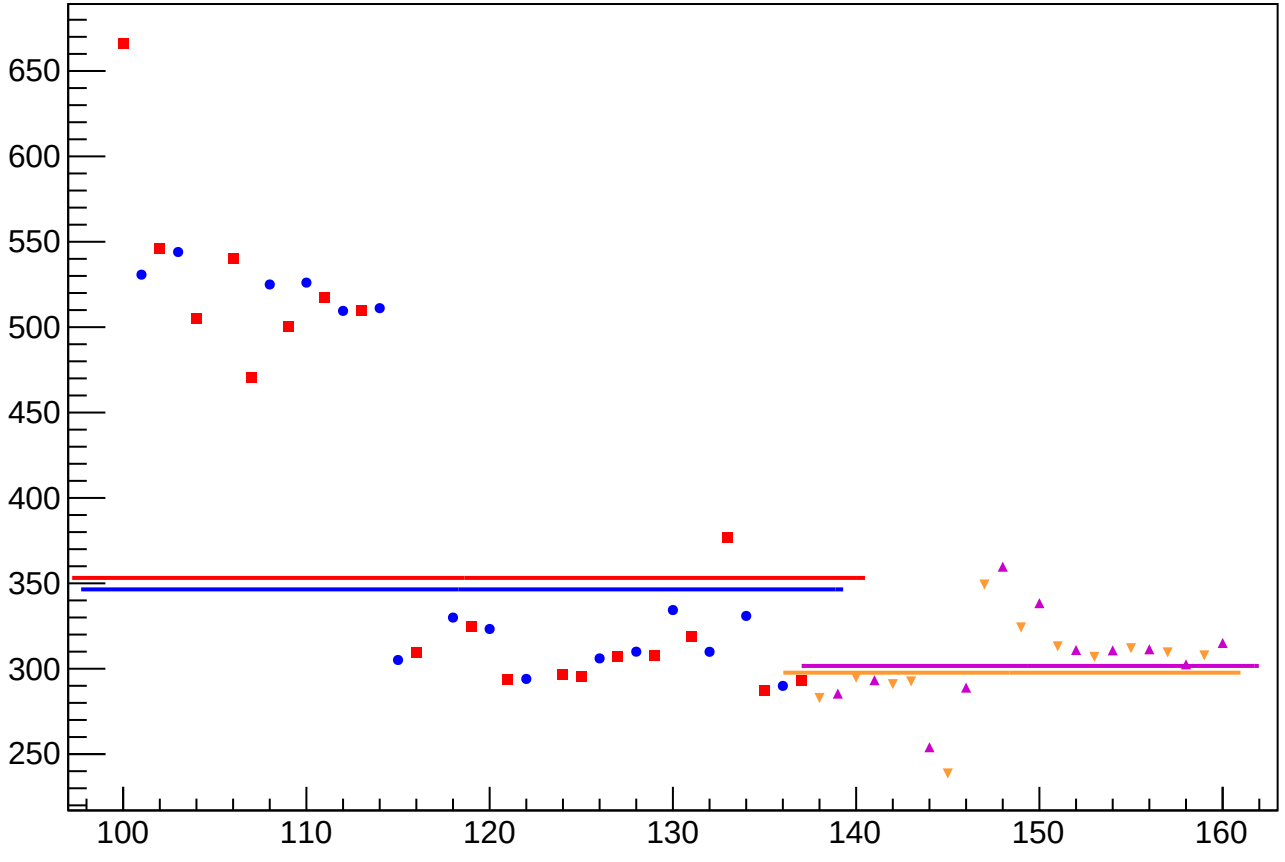
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -45.061+/-79.031 χ^2/NDF:27.7/26

Out: -36.525+/-78.416 χ^2/NDF:44.7/30

All: -40.759+/-55.665 χ^2/NDF: 72.4/57

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: 301.637+/-0.070 χ^2/NDF:145166.5/10

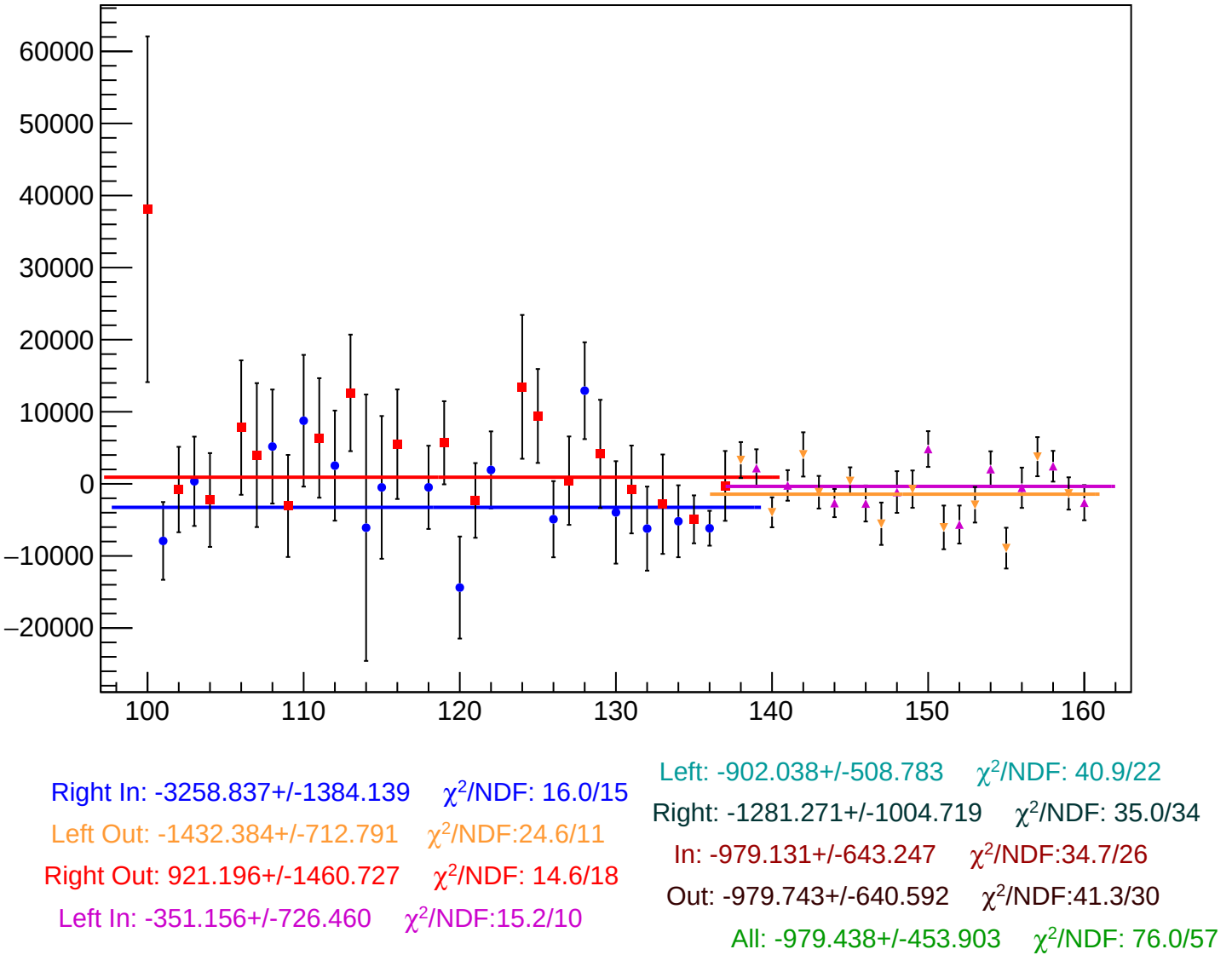
Left: 299.629+/-0.049 χ^2/NDF: 311142.6/22

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.573+/-0.056 χ^2/NDF:1061305.9/26

Out: 316.800+/-0.055 χ^2/NDF:1256879.0/30

All: 317.184+/-0.039 χ^2/NDF: 2318281.2/57


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
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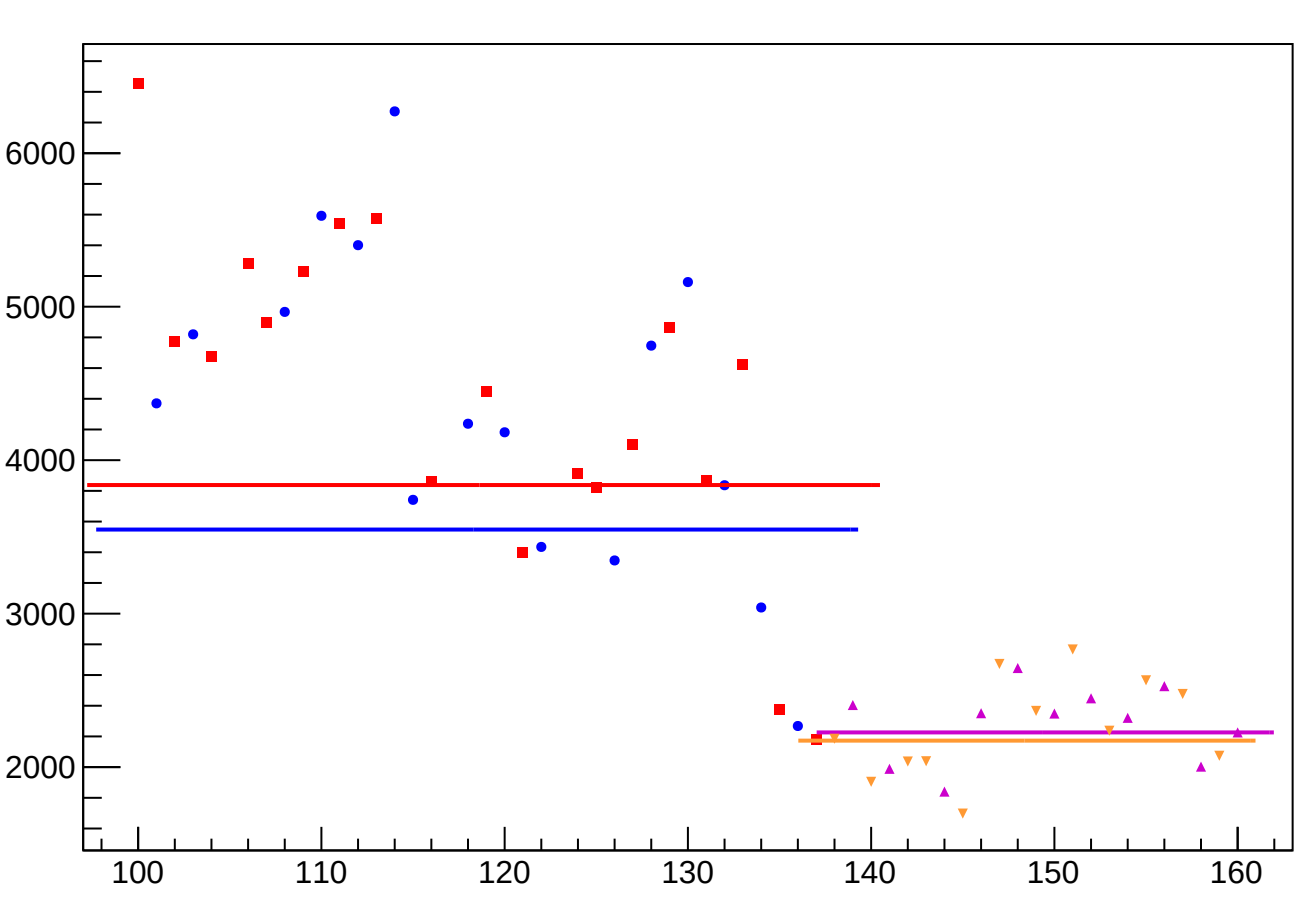
−10000
−20000
100
110
120
130
140
150
160
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -1432.384+/-712.791 χ²/NDF:24.6/11
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: -351.156+/-726.460 χ²/NDF:15.2/10
Left: -902.038+/-508.783 χ²/NDF: 40.9/22
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -979.131+/-643.247 χ²/NDF:34.7/26
Out: -979.743+/-640.592 χ²/NDF:41.3/30
All: -979.438+/-453.903 χ²/NDF: 76.0/57



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: 2226.146+/-0.514 χ^2/NDF:226439.3/10

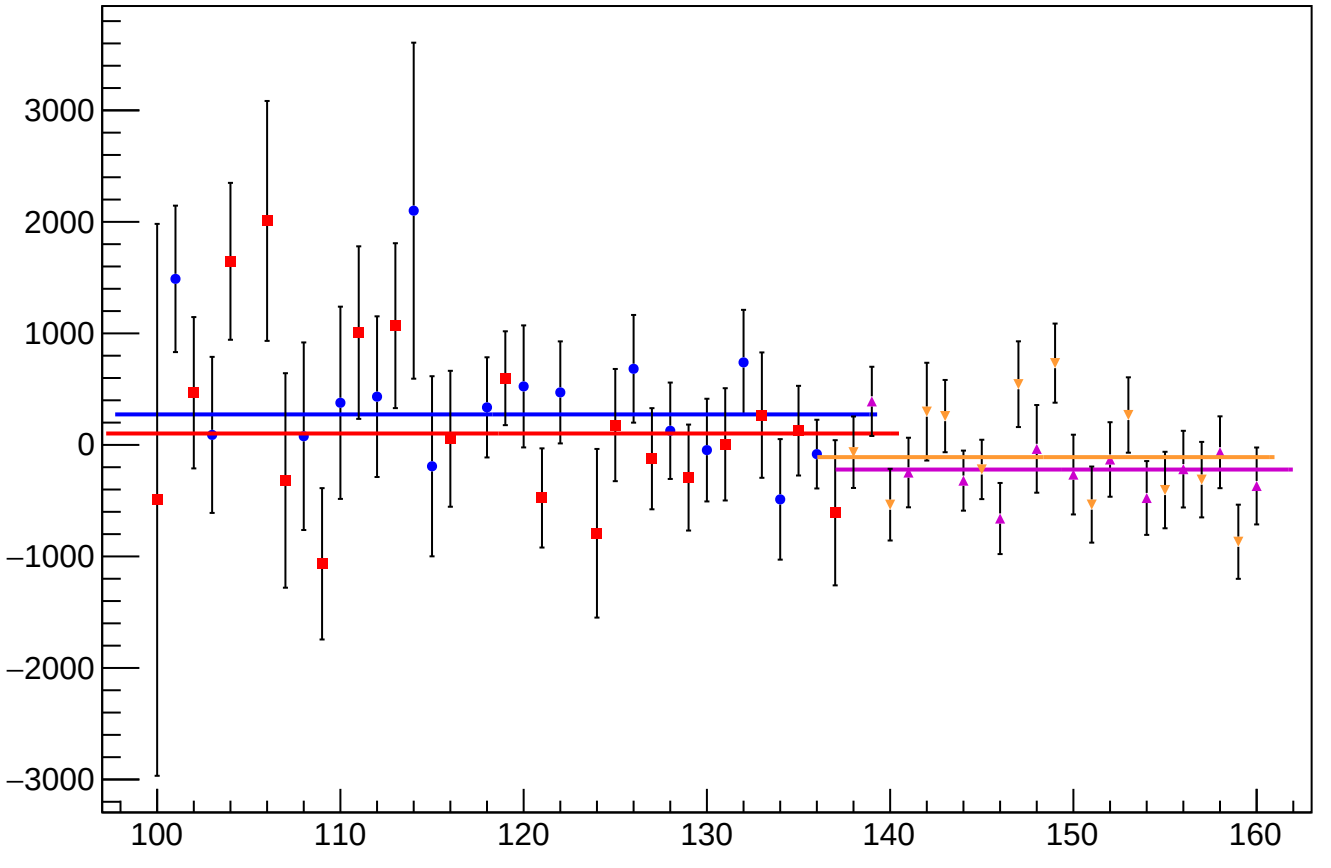
Left: 2198.889+/-0.360 χ^2/NDF: 616136.3/22

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2511.621+/-0.455 χ^2/NDF:2914969.9/26

Out: 2492.923+/-0.453 χ^2/NDF:3639557.9/30

All: 2502.233+/-0.321 χ^2/NDF: 6555376.4/57



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: -220.873+/-98.448 χ^2/NDF:7.2/10

Left: -164.282+/-69.042 χ^2/NDF: 29.6/22

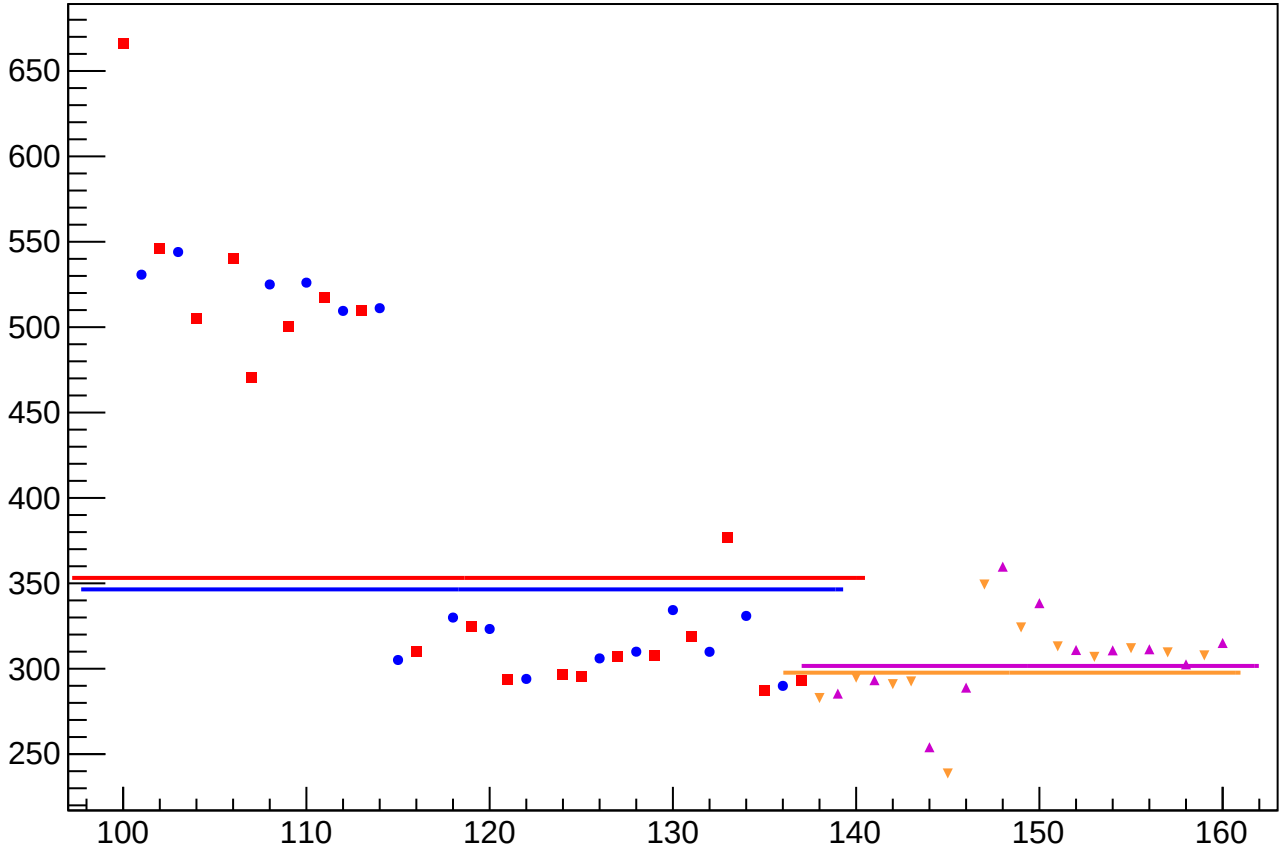
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -45.060+/-79.031 χ^2/NDF:27.7/26

Out: -36.526+/-78.415 χ^2/NDF:44.7/30

All: -40.760+/-55.664 χ^2/NDF: 72.4/57

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: 301.637+/-0.070 χ^2/NDF:145168.0/10

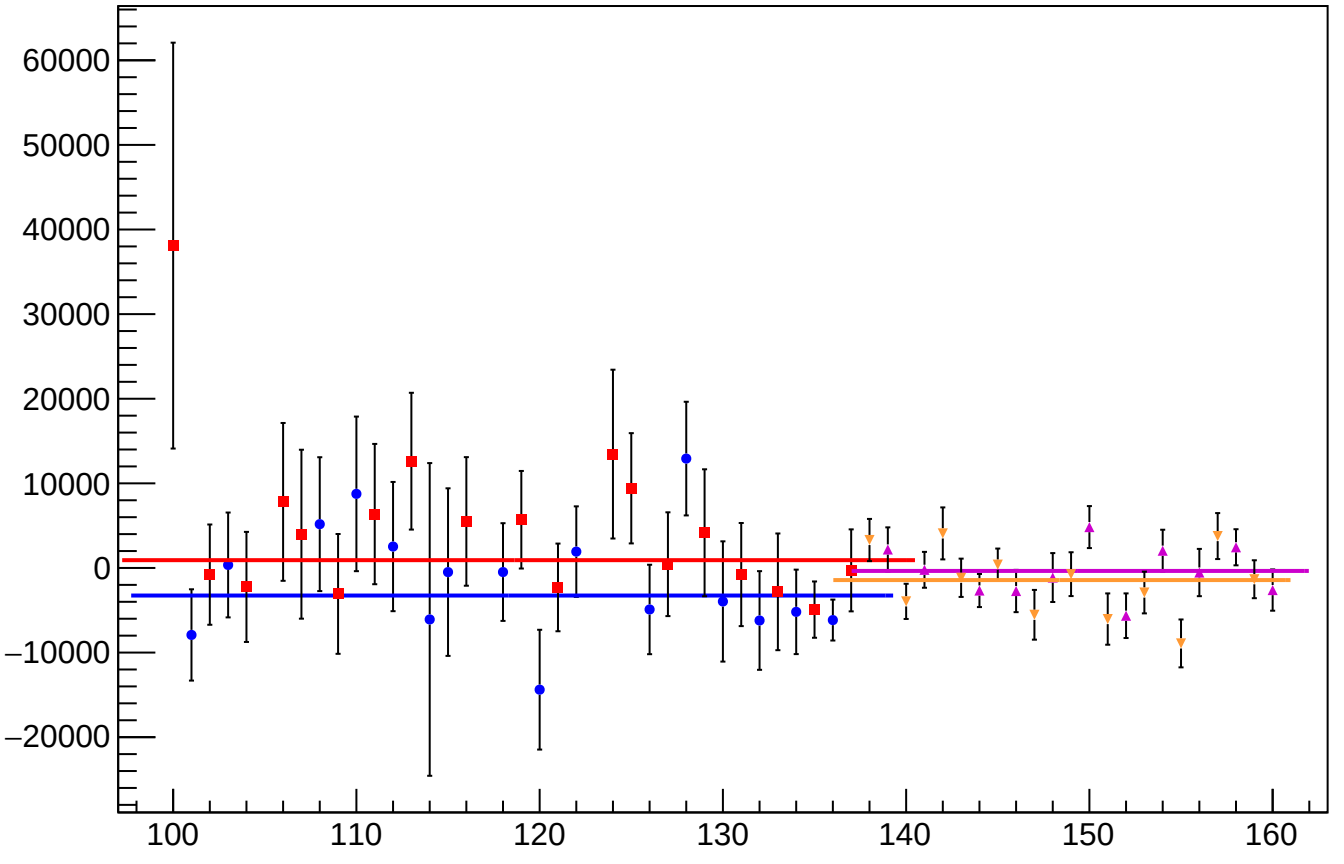
Left: 299.629+/-0.049 χ^2/NDF: 311147.1/22

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.572+/-0.056 χ^2/NDF:1061286.9/26

Out: 316.800+/-0.055 χ^2/NDF:1256861.2/30

All: 317.183+/-0.039 χ^2/NDF: 2318244.4/57



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1432.381+/-712.790 χ^2/NDF:24.6/11

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -351.156+/-726.459 χ^2/NDF:15.2/10

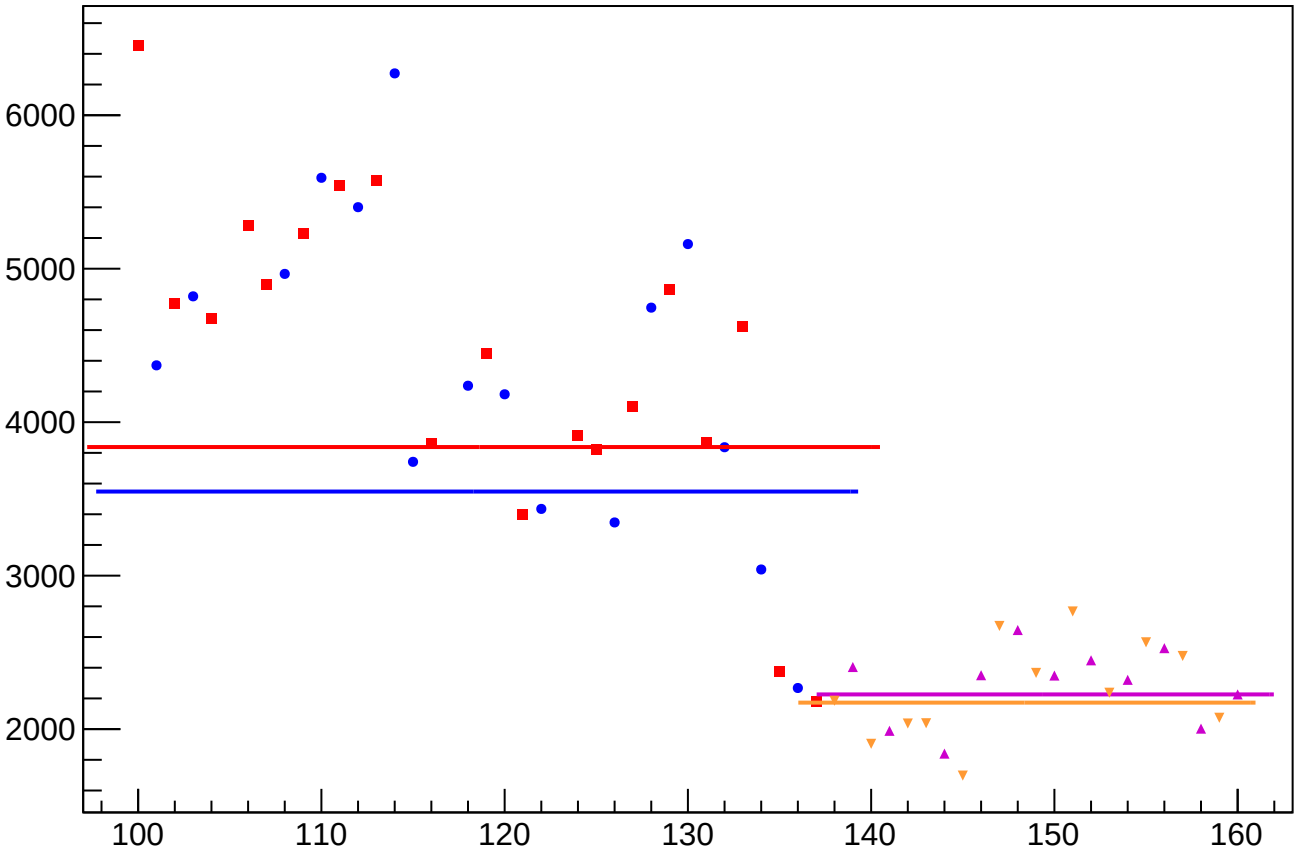
Left: -902.037+/-508.783 χ^2/NDF: 40.9/22

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -979.130+/-643.246 χ^2/NDF:34.7/26

Out: -979.739+/-640.592 χ^2/NDF:41.3/30

All: -979.436+/-453.902 χ^2/NDF: 76.0/57



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: 2226.145+/-0.514 χ^2/NDF:226440.8/10

Left: 2198.888+/-0.360 χ^2/NDF: 616144.6/22

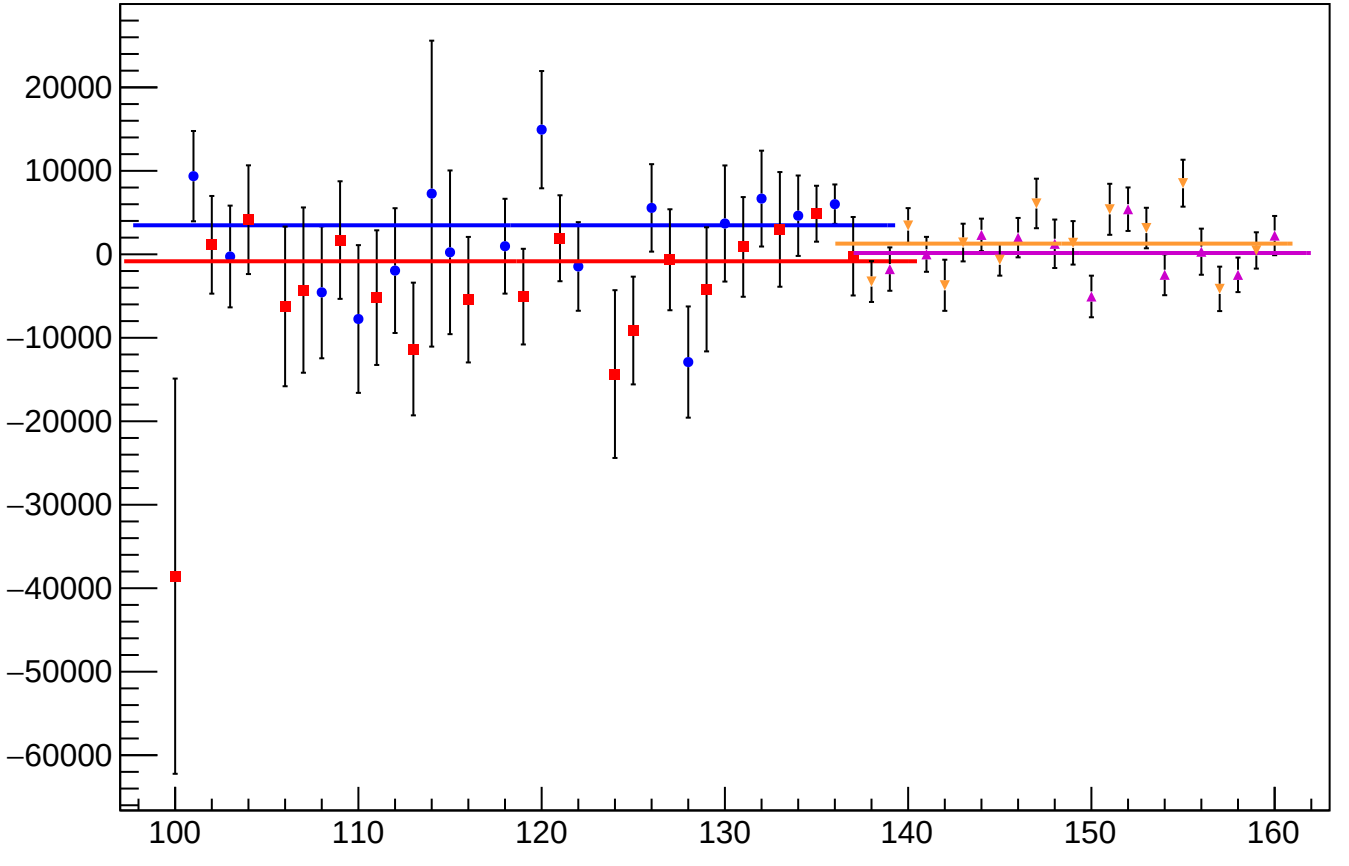
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2511.621+/-0.455 χ^2/NDF:2914955.1/26

Out: 2492.921+/-0.453 χ^2/NDF:3639551.9/30

All: 2502.232+/-0.321 χ^2/NDF: 6555355.5/57

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: 158.039+/-714.456 χ^2/NDF:14.5/10

Left: 724.491+/-503.153 χ^2/NDF: 39.9/22

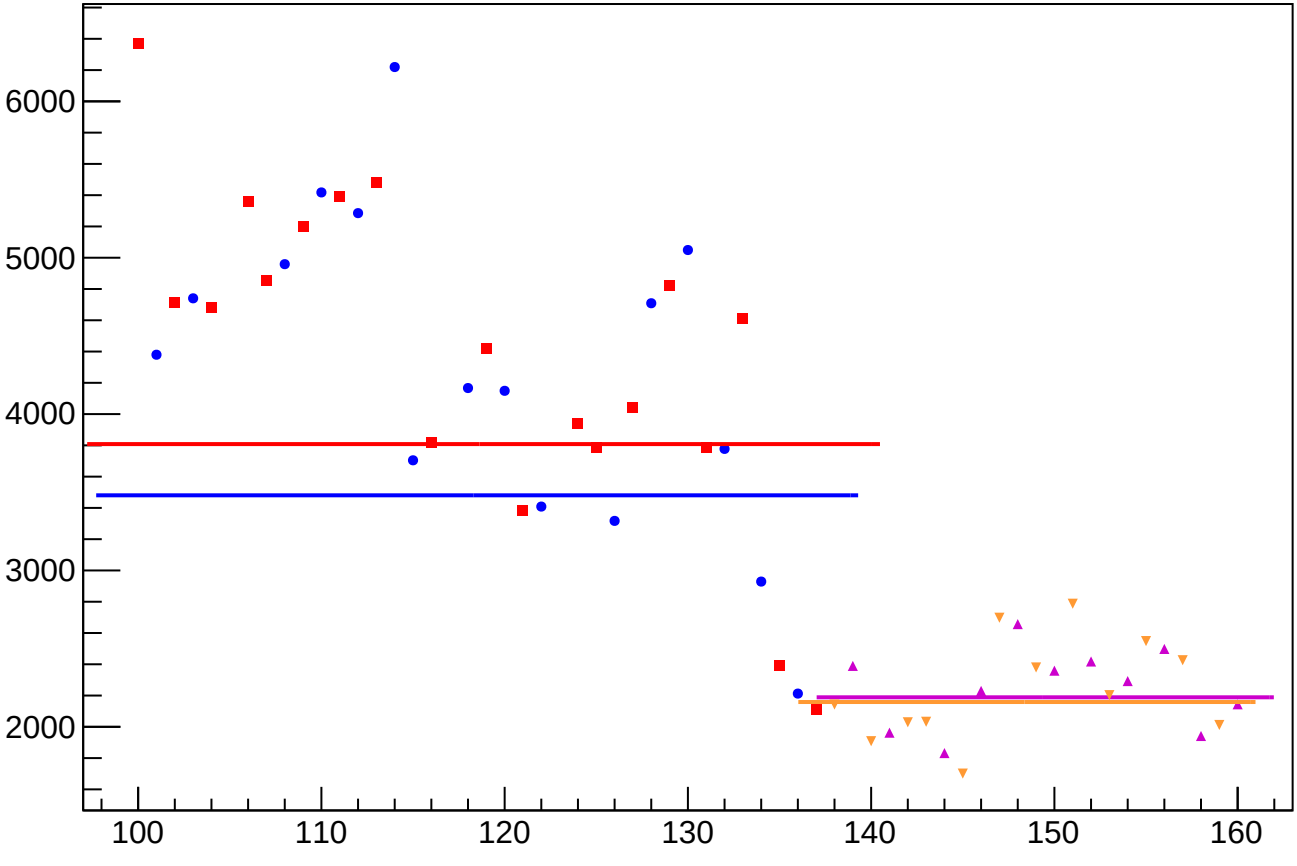
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 875.889+/-632.526 χ^2/NDF:35.5/26

Out: 873.985+/-636.695 χ^2/NDF:39.9/30

All: 874.944+/-448.730 χ^2/NDF: 75.4/57

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: 2188.777+/-0.505 χ^2/NDF:237867.6/10

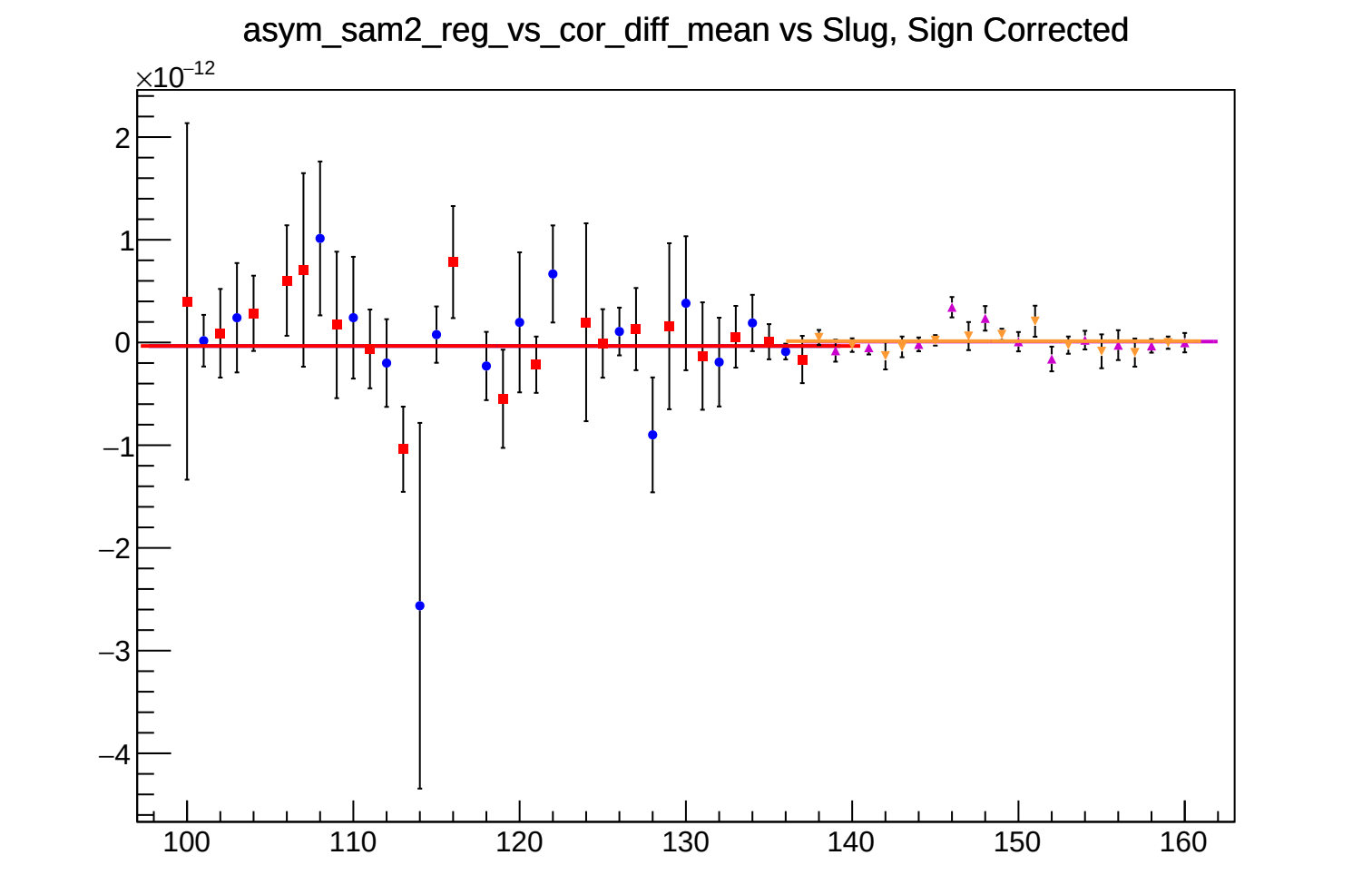
Left: 2173.588+/-0.356 χ^2/NDF: 626805.0/22

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2468.058+/-0.447 χ^2/NDF:2948054.8/26

Out: 2476.837+/-0.450 χ^2/NDF:3624677.2/30

All: 2472.418+/-0.317 χ^2/NDF: 6572923.3/57



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/10

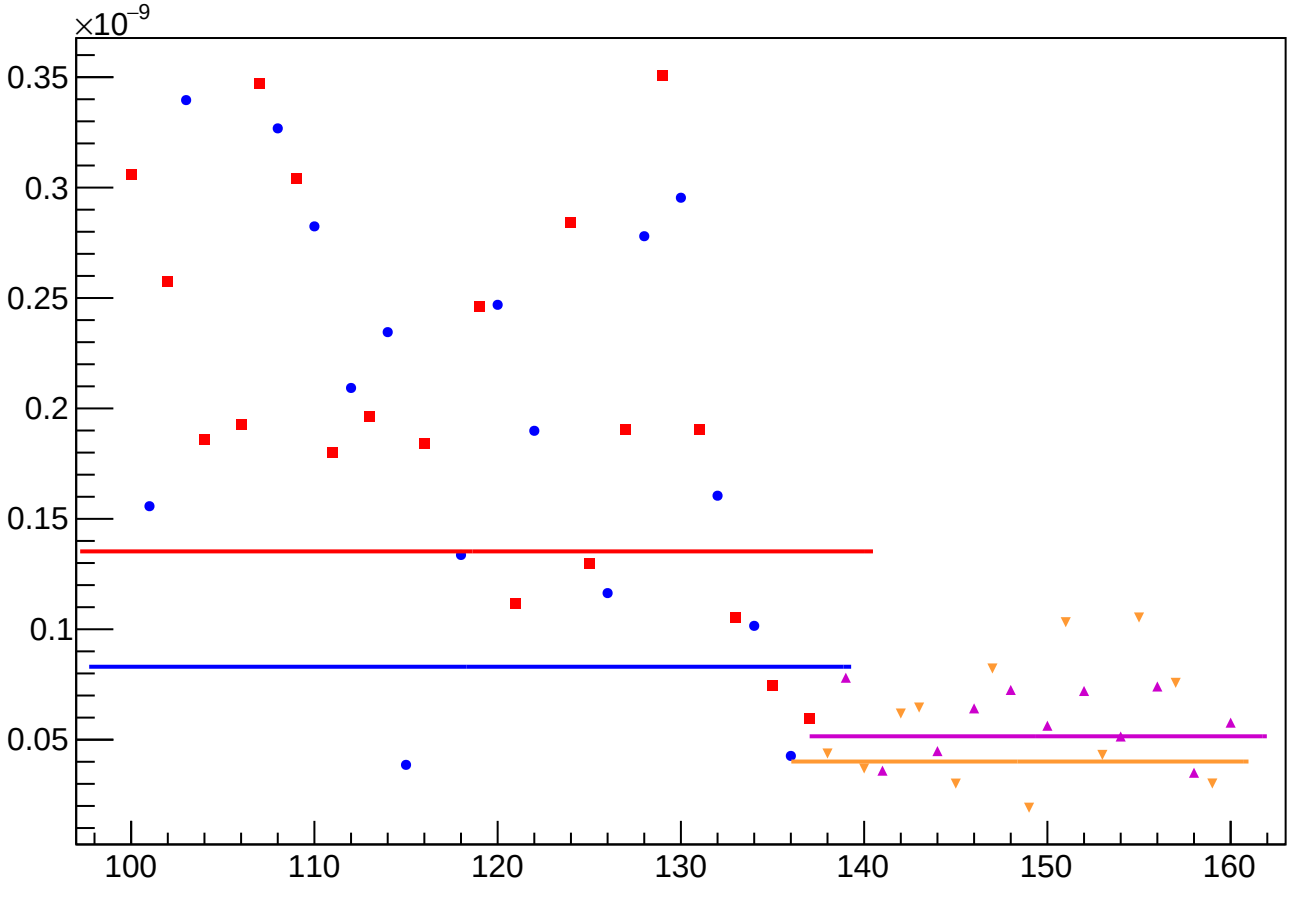
Left: 0.000+/-0.000 χ^2/NDF: 25.5/22

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:31.4/26

Out: 0.000+/-0.000 χ^2/NDF:20.3/30

All: 0.000+/-0.000 χ^2/NDF: 51.8/57



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:590937.7/10

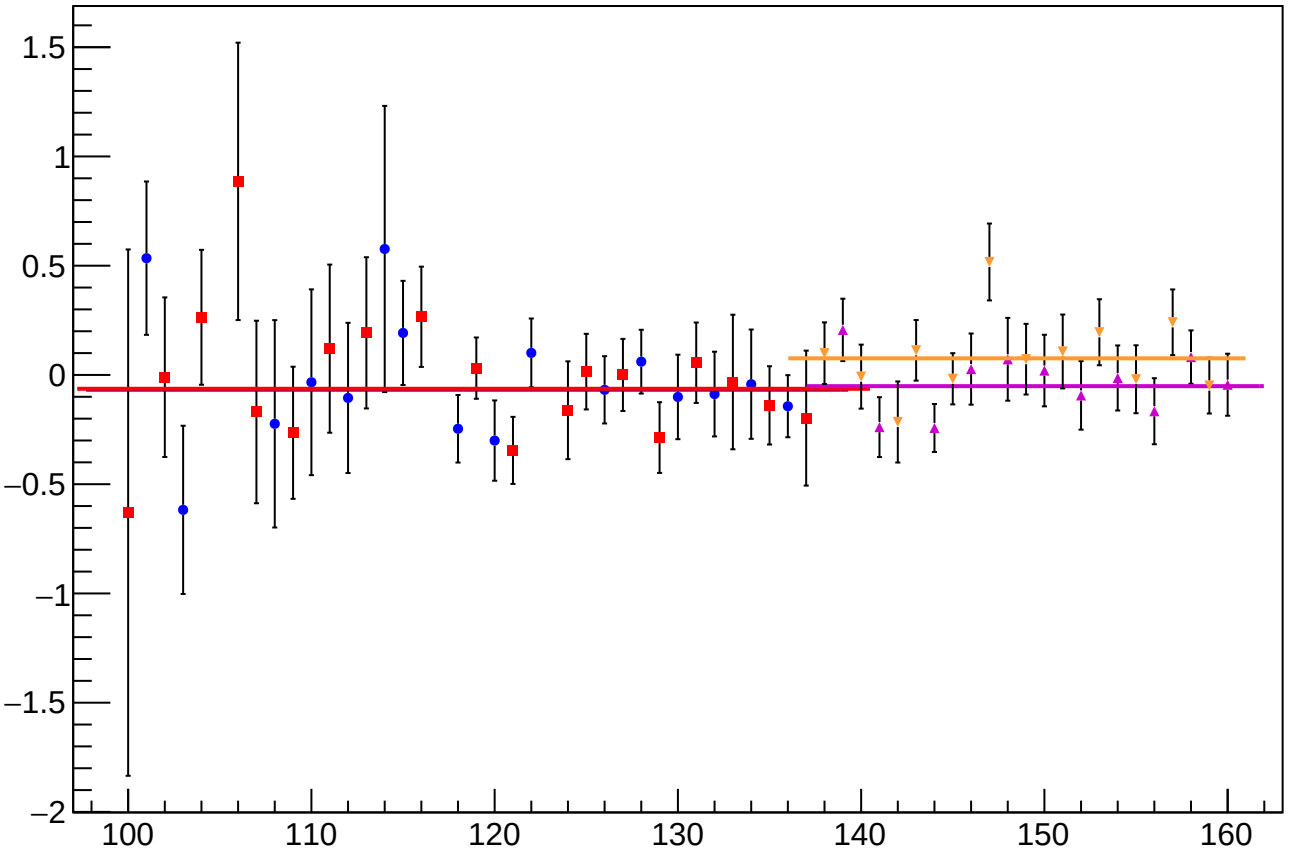
Left: 0.000+/-0.000 χ^2/NDF: 2382652.0/22

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3745370.9/26

Out: 0.000+/-0.000 χ^2/NDF:5326302.7/30

All: 0.000+/-0.000 χ^2/NDF: 9254868.4/57



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: -0.051+/-0.043 χ^2/NDF:10.9/10

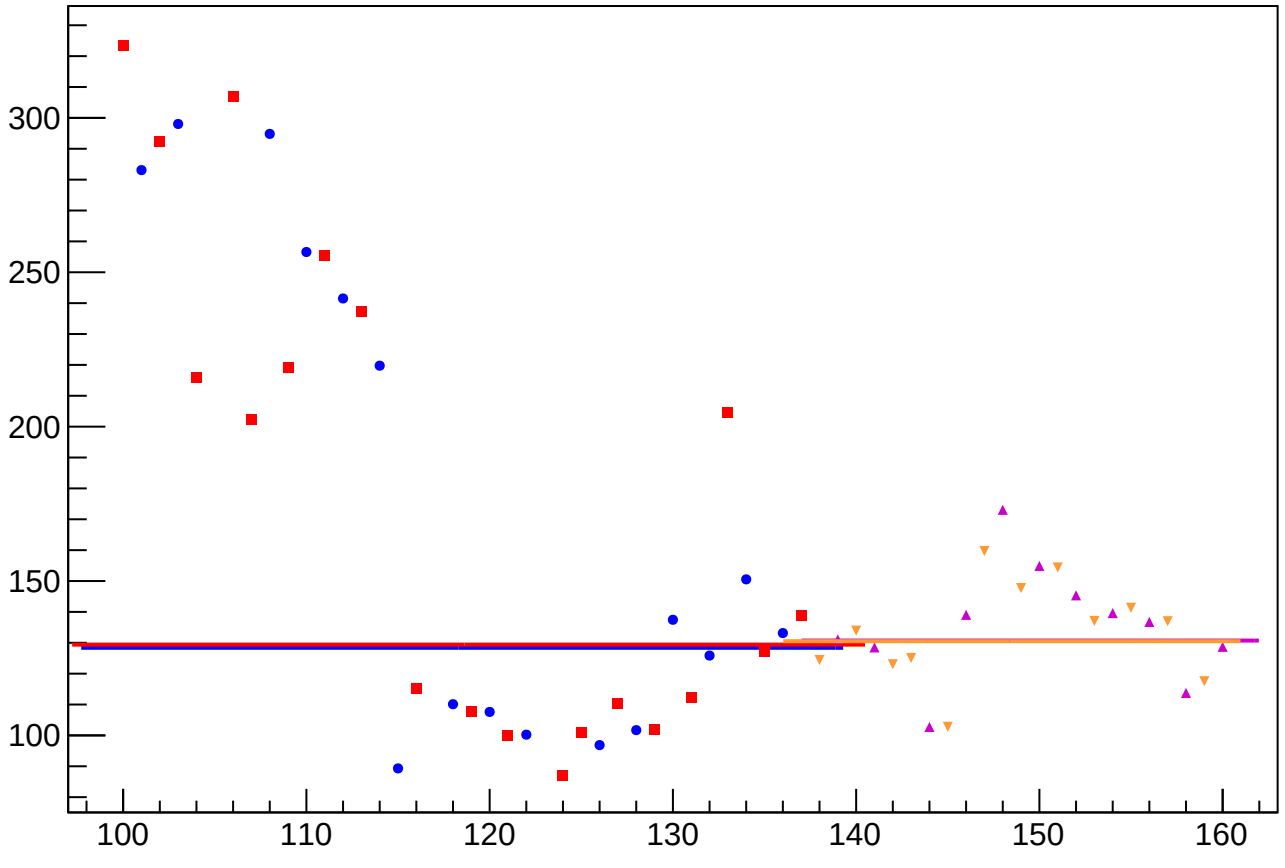
Left: 0.013+/-0.030 χ^2/NDF: 28.3/22

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.019+/-0.023 χ^2/NDF: 57.5/57



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: 130.715+/-0.031 χ^2/NDF:345762.1/10

Left: 130.612+/-0.022 χ^2/NDF: 624235.8/22

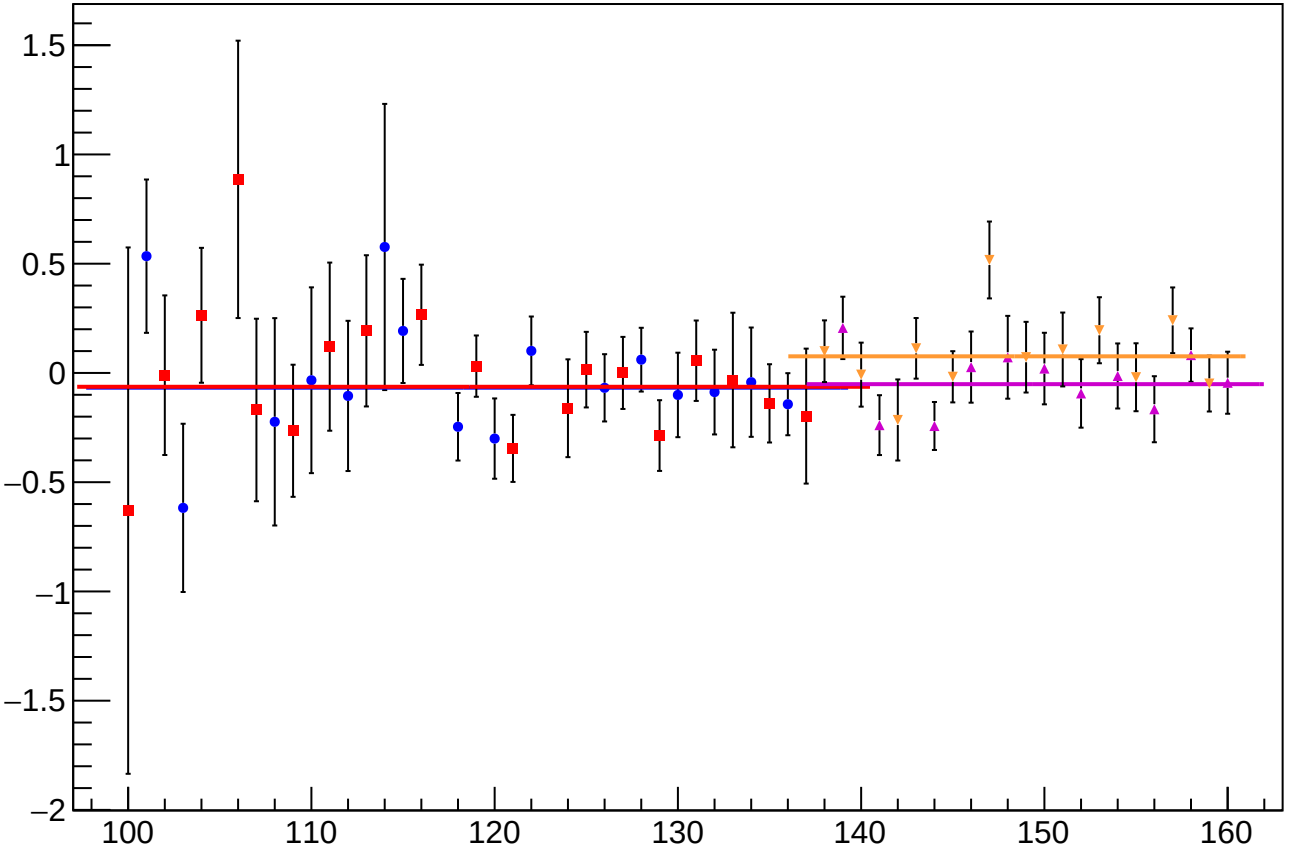
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.755+/-0.023 χ^2/NDF:2153237.9/26

Out: 130.058+/-0.023 χ^2/NDF:2167272.3/30

All: 129.908+/-0.017 χ^2/NDF: 4320594.1/57

asym_sam2_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: -0.051+/-0.043 χ^2/NDF:10.9/10

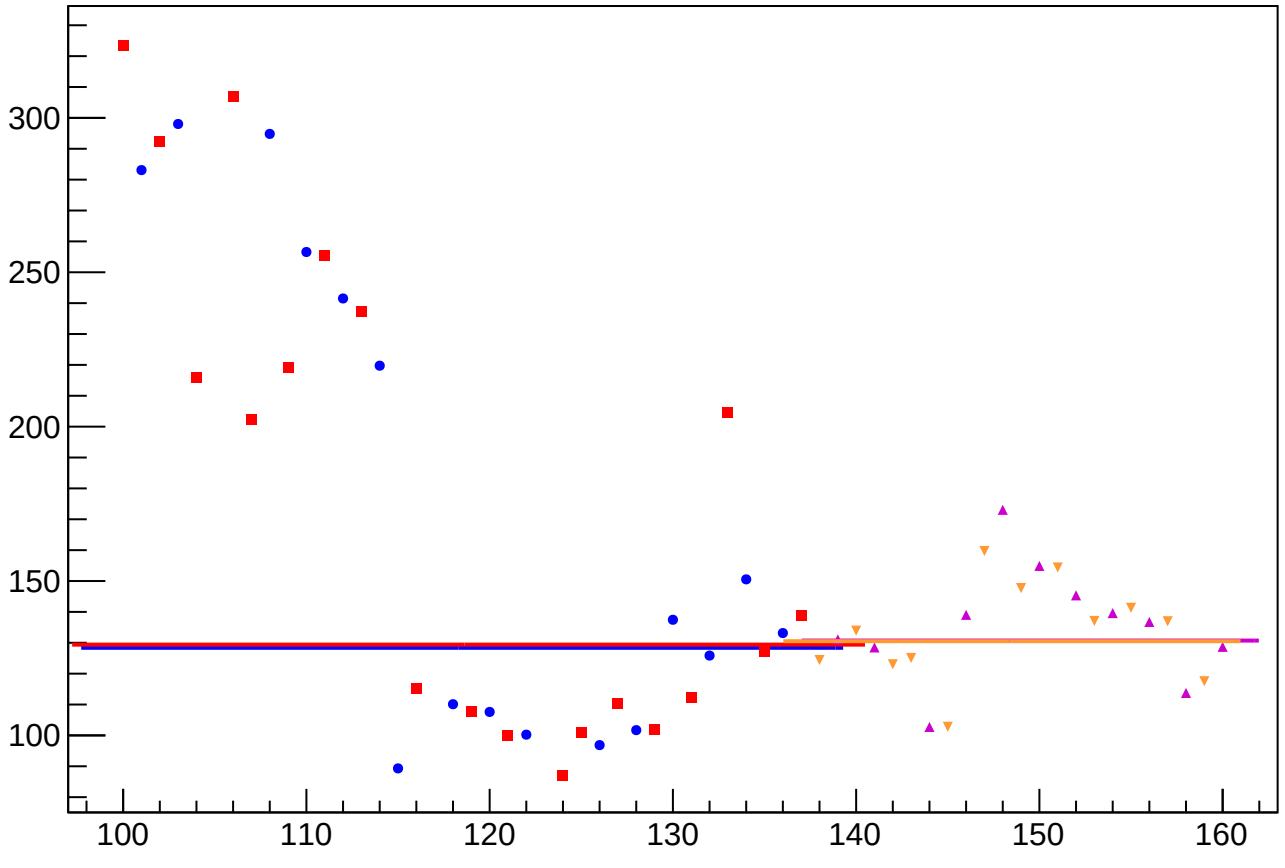
Left: 0.013+/-0.030 χ^2/NDF: 28.3/22

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.019+/-0.023 χ^2/NDF: 57.5/57



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: 130.715+/-0.031 χ^2/NDF:345762.1/10

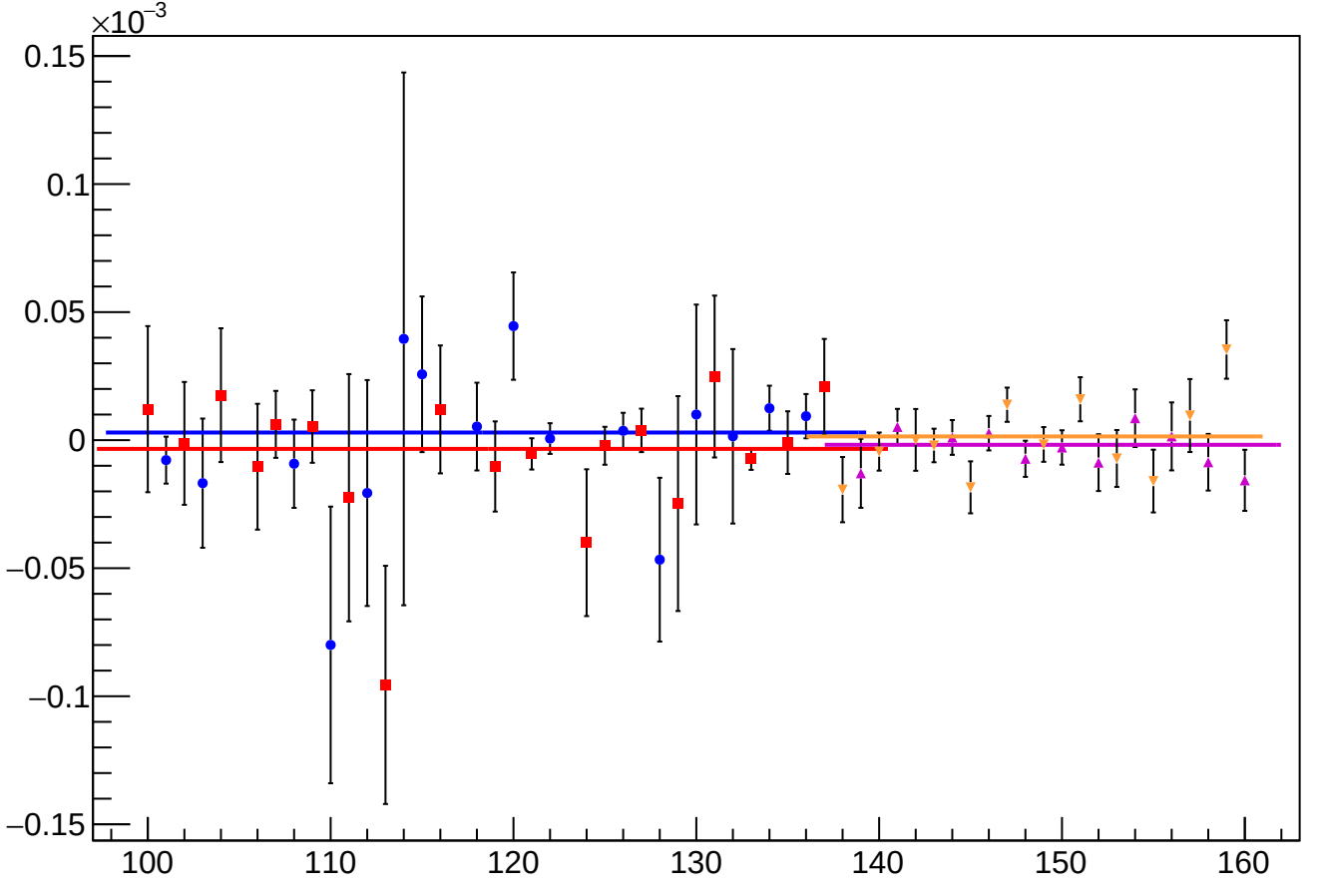
Left: 130.612+/-0.022 χ^2/NDF: 624235.8/22

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.755+/-0.023 χ^2/NDF:2153237.9/26

Out: 130.058+/-0.023 χ^2/NDF:2167272.3/30

All: 129.908+/-0.017 χ^2/NDF: 4320594.1/57



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:6.0/10

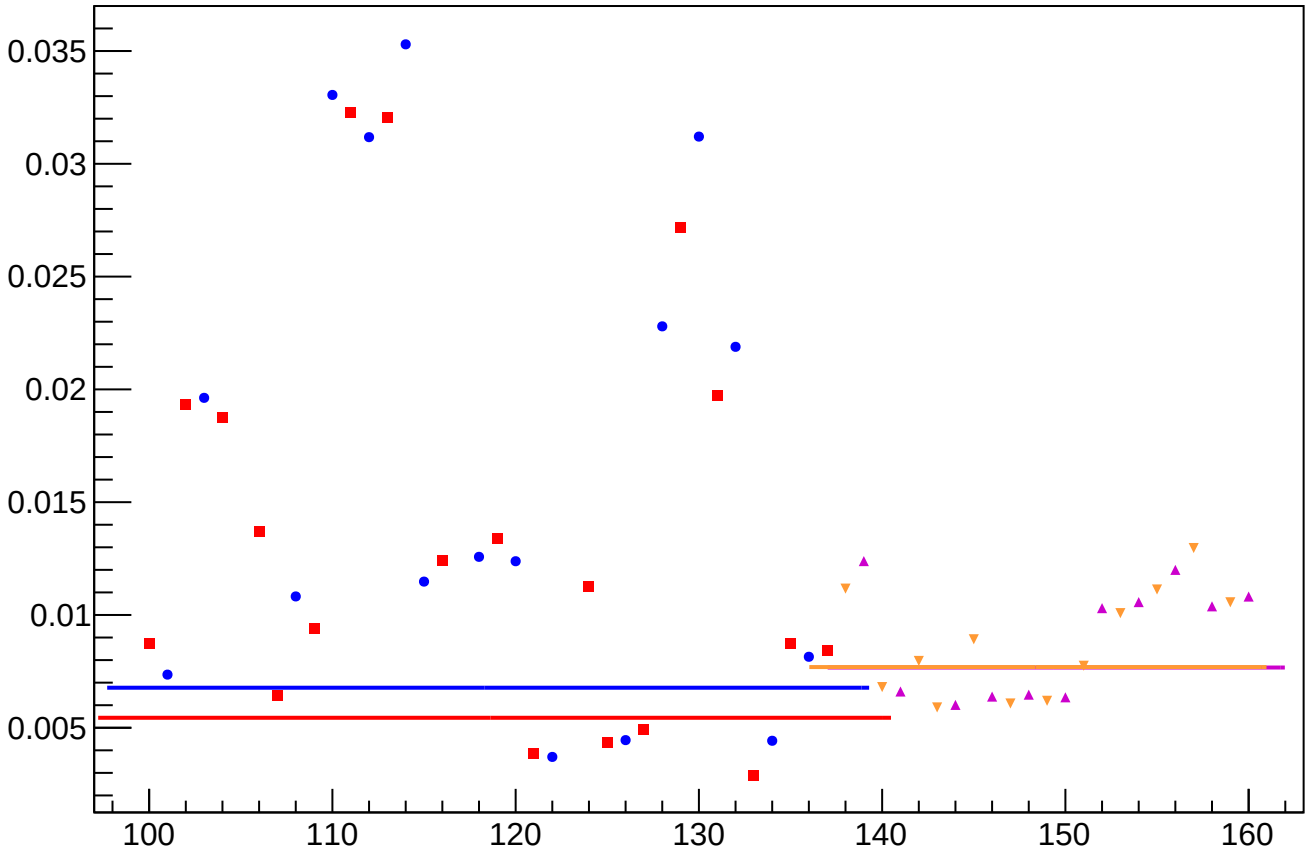
Left: -0.000+/-0.000 χ^2/NDF: 32.5/22

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:21.4/26

Out: -0.000+/-0.000 χ^2/NDF:40.1/30

All: -0.000+/-0.000 χ^2/NDF: 61.7/57



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:1335638.8/10

Left: 0.008+/-0.000 χ^2/NDF: 2557617.1/22

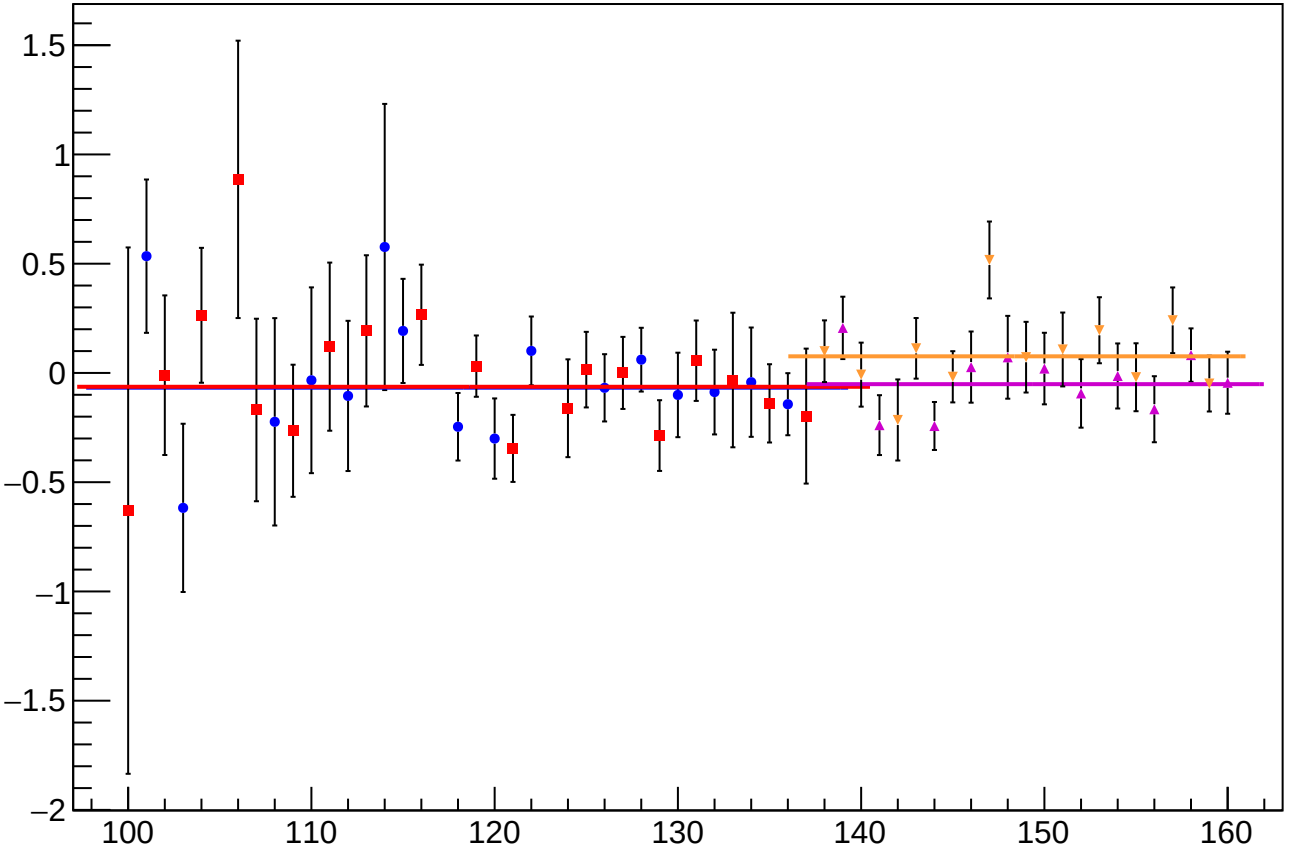
Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6204351.3/26

Out: 0.007+/-0.000 χ^2/NDF:7546080.2/30

All: 0.007+/-0.000 χ^2/NDF: 13898538.5/57

asym_sam2_eigen_dit_vs_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: -0.051+/-0.043 χ^2/NDF:10.9/10

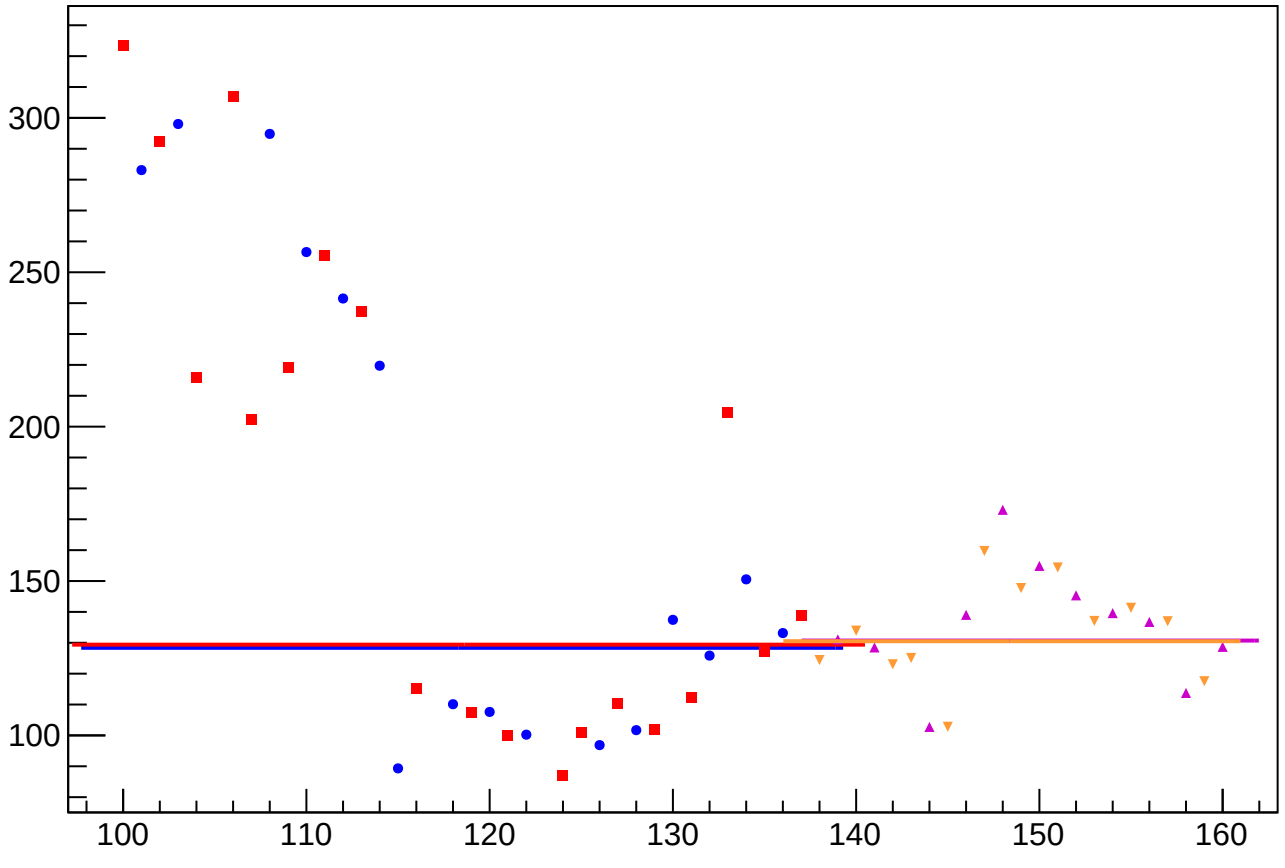
Left: 0.013+/-0.030 χ^2/NDF: 28.3/22

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.019+/-0.023 χ^2/NDF: 57.5/57



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: 130.715+/-0.031 χ^2/NDF:345777.5/10

Left: 130.612+/-0.022 χ^2/NDF: 624279.2/22

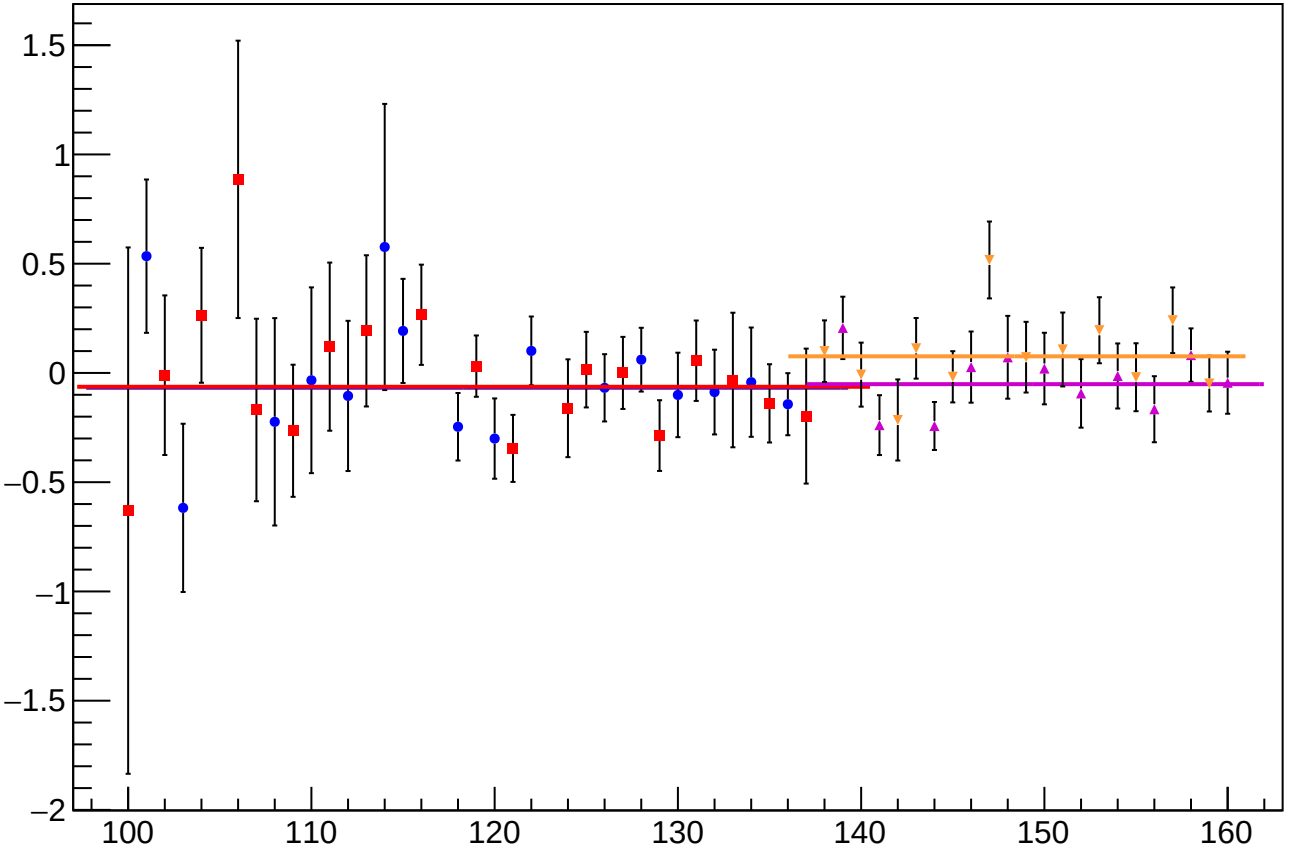
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.754+/-0.023 χ^2/NDF:2153206.9/26

Out: 130.057+/-0.023 χ^2/NDF:2167304.7/30

All: 129.906+/-0.017 χ^2/NDF: 4320595.5/57

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: -0.051+/-0.043 χ^2/NDF:10.9/10

Left: 0.013+/-0.030 χ^2/NDF: 28.3/22

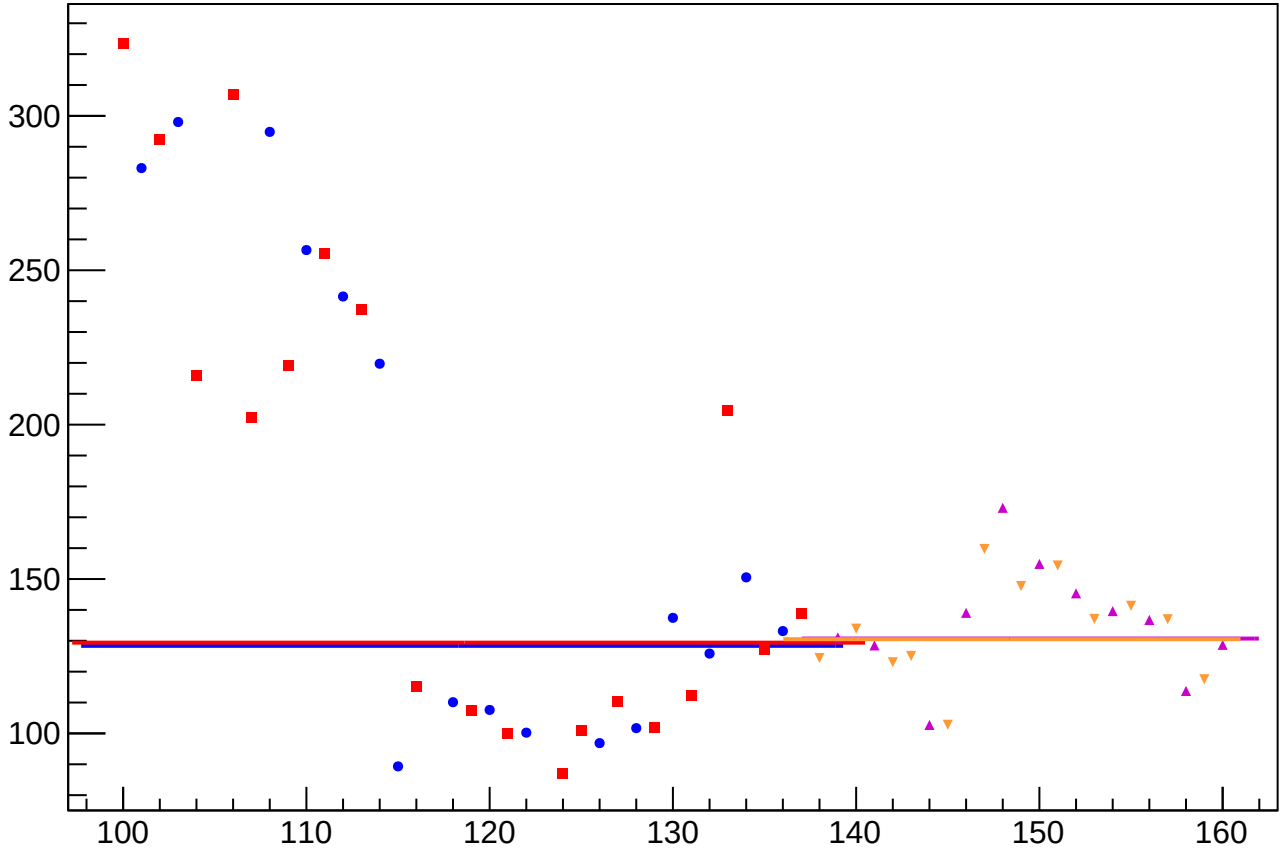
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.019+/-0.033 χ^2/NDF:31.4/30

All: -0.019+/-0.023 χ^2/NDF: 57.5/57

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.510+/-0.030 χ^2/NDF:278479.0/11

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

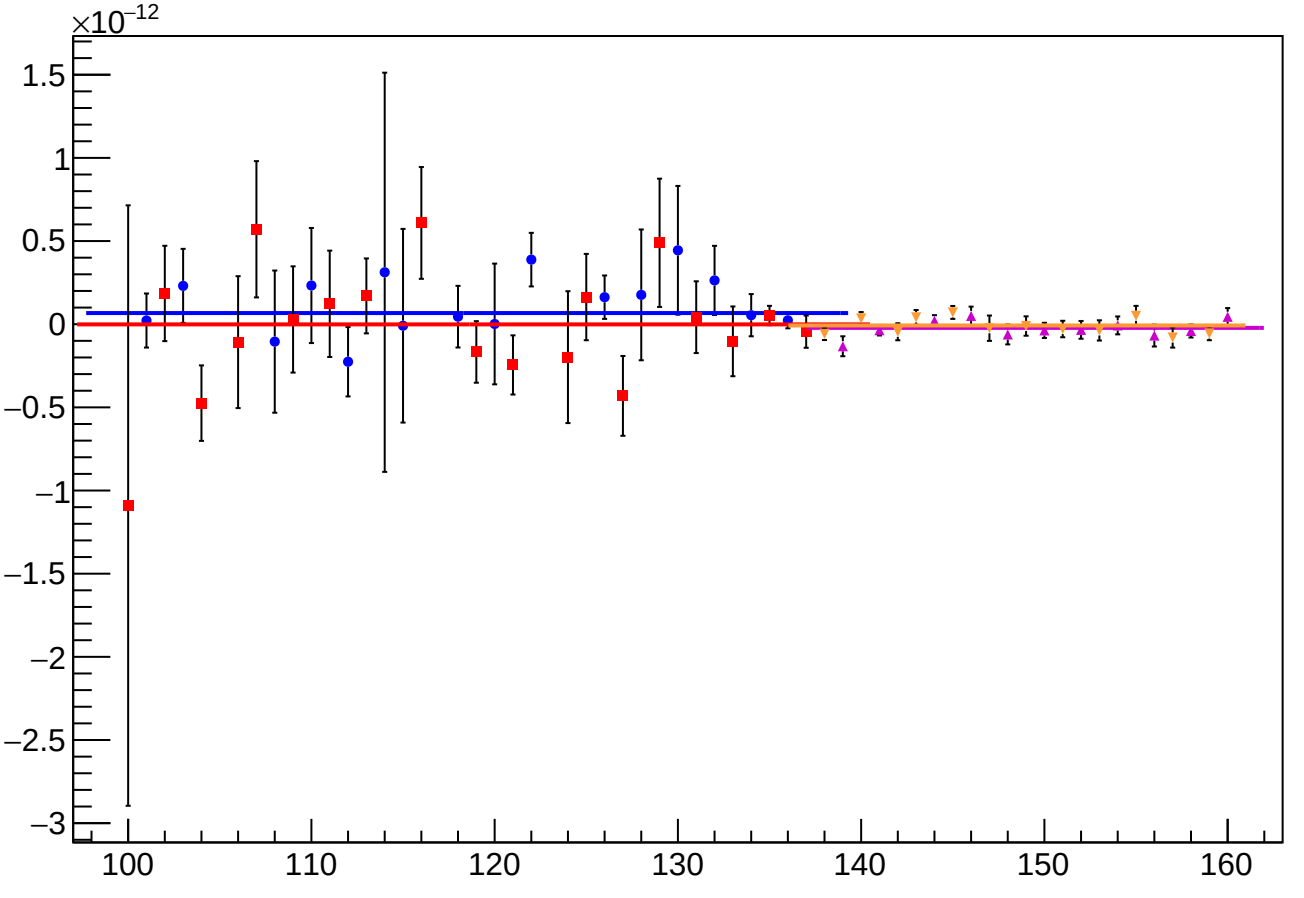
Left: 130.612+/-0.022 χ^2/NDF: 624279.2/22

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.754+/-0.023 χ^2/NDF:2153206.9/26

Out: 130.057+/-0.023 χ^2/NDF:2167304.7/30

All: 129.906+/-0.017 χ^2/NDF: 4320595.5/57



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:9.9/10

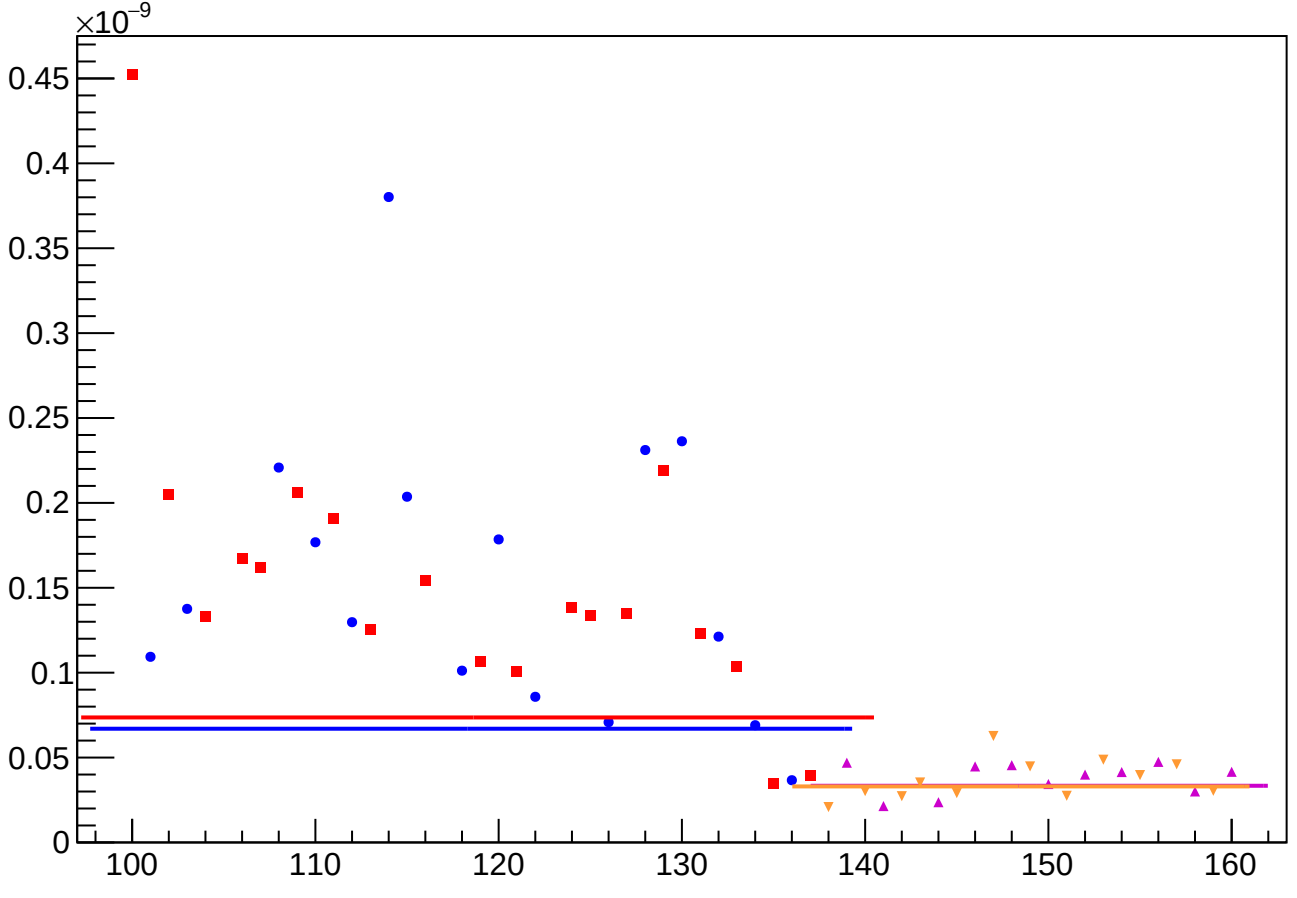
Left: -0.000+/-0.000 χ^2/NDF: 23.6/22

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:25.5/26

Out: -0.000+/-0.000 χ^2/NDF:33.9/30

All: -0.000+/-0.000 χ^2/NDF: 59.5/57



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:951106.6/10

Left: 0.000+/-0.000 χ^2/NDF: 1901256.4/22

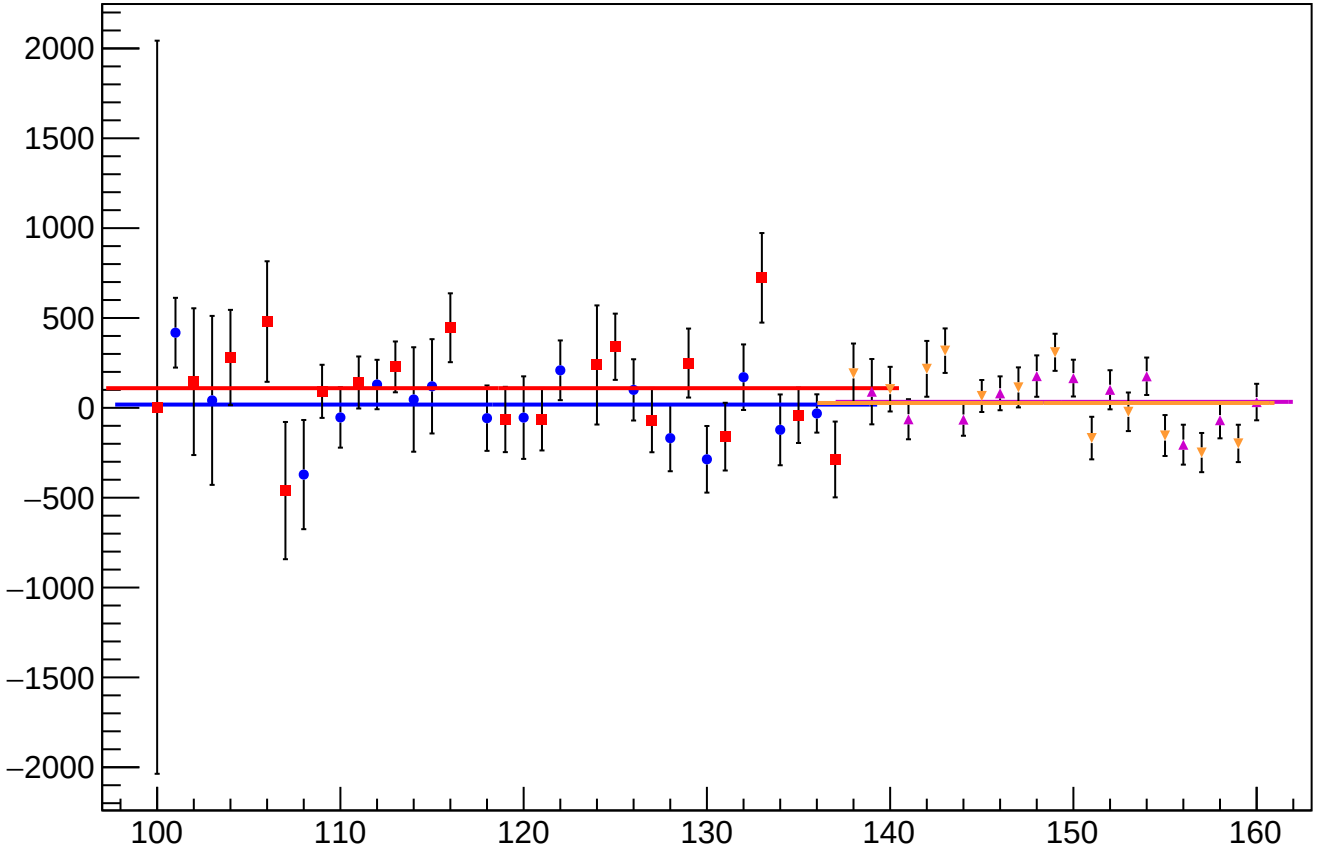
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5639586.6/26

Out: 0.000+/-0.000 χ^2/NDF:6499412.6/30

All: 0.000+/-0.000 χ^2/NDF: 12139537.0/57

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: 33.304+/-32.113 χ^2/NDF:13.4/10

Left: 30.276+/-23.002 χ^2/NDF: 46.6/22

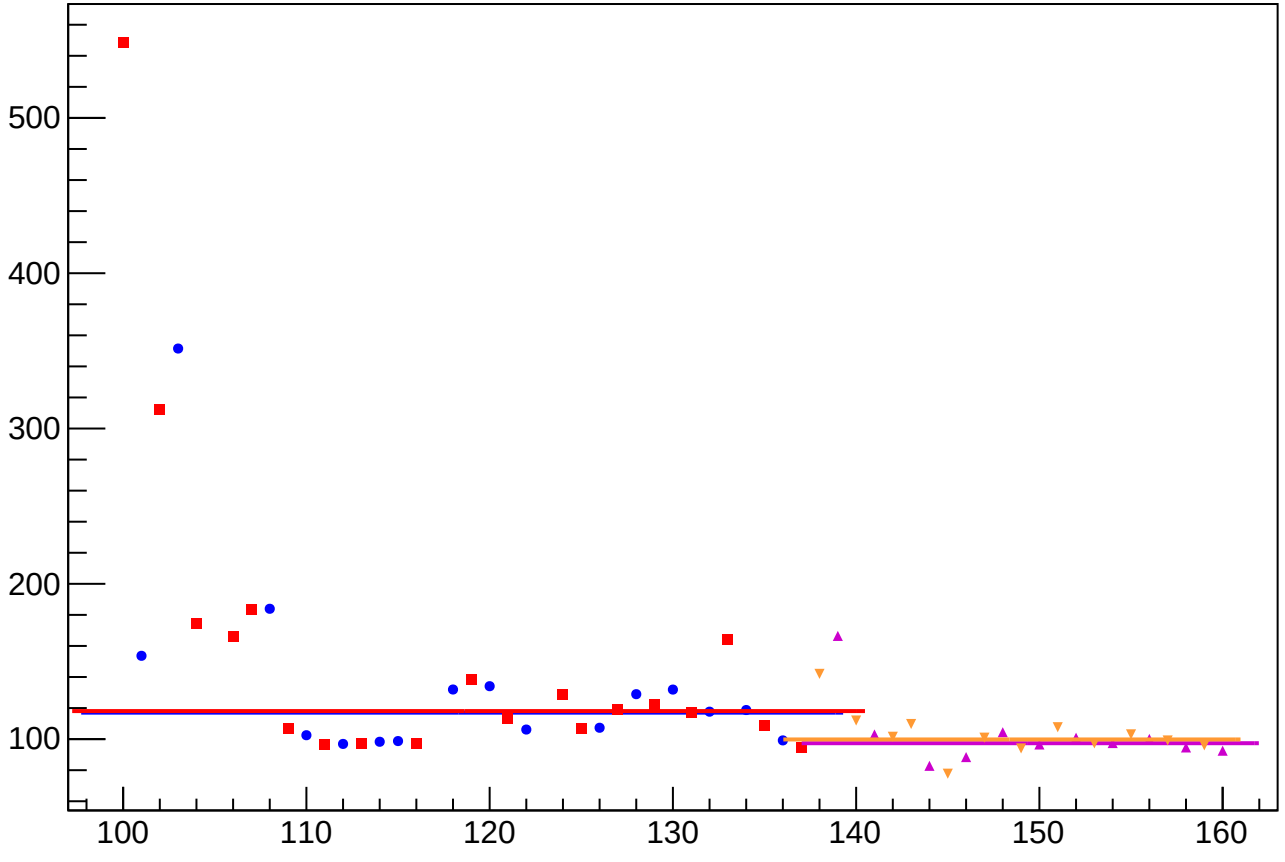
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 28.313+/-26.275 χ^2/NDF:27.3/26

Out: 55.166+/-26.760 χ^2/NDF:60.8/30

All: 41.494+/-18.748 χ^2/NDF: 88.6/57

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: 97.374+/-0.023 χ^2/NDF:381320.4/10

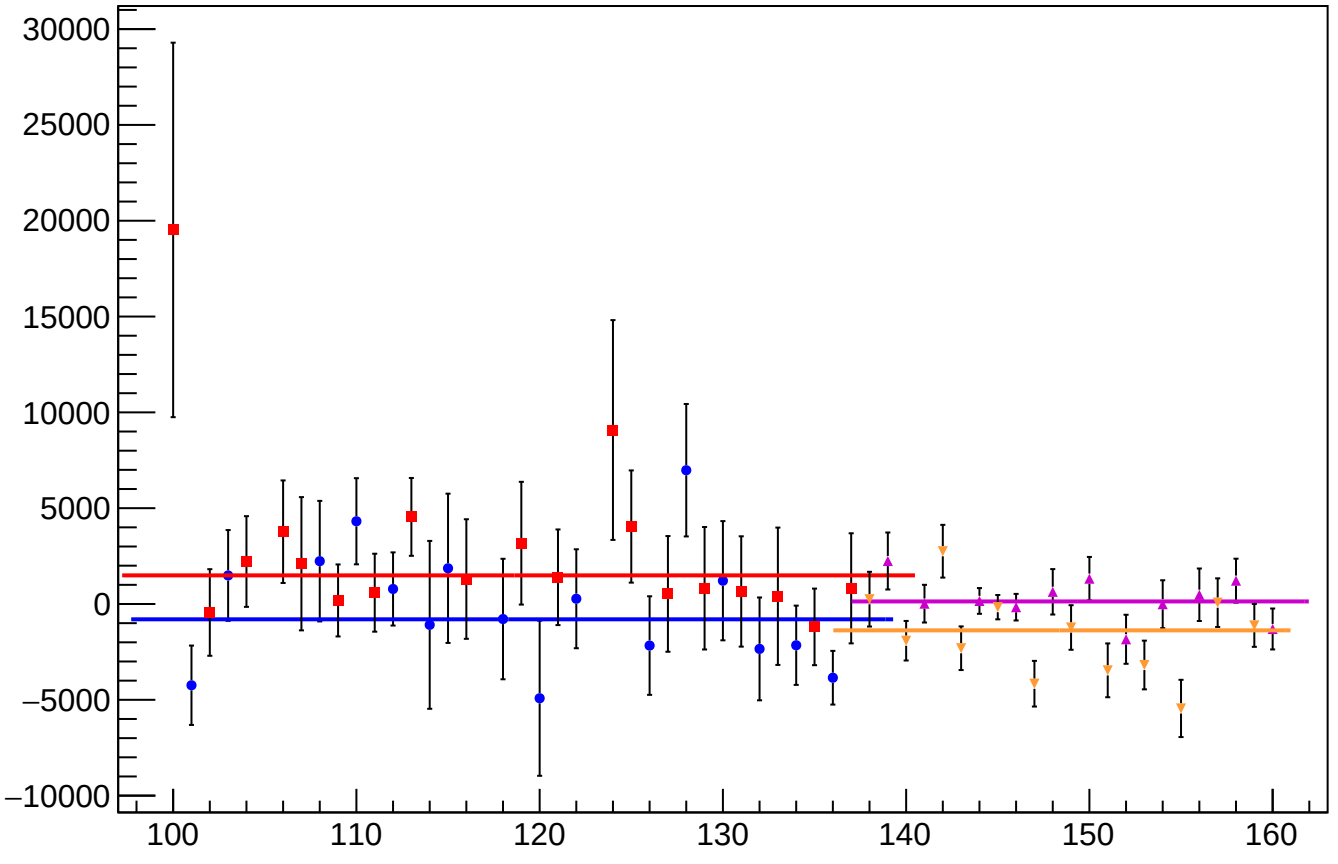
Left: 98.550+/-0.016 χ^2/NDF: 692221.3/22

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 103.881+/-0.019 χ^2/NDF:1488196.0/26

Out: 106.019+/-0.019 χ^2/NDF:1505615.8/30

All: 104.930+/-0.013 χ^2/NDF: 3000306.9/57



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1375.240+/-322.032 χ^2/NDF:33.4/11

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 133.696+/-305.776 χ^2/NDF:8.7/10

Left: -581.727+/-221.740 χ^2/NDF: 53.6/22

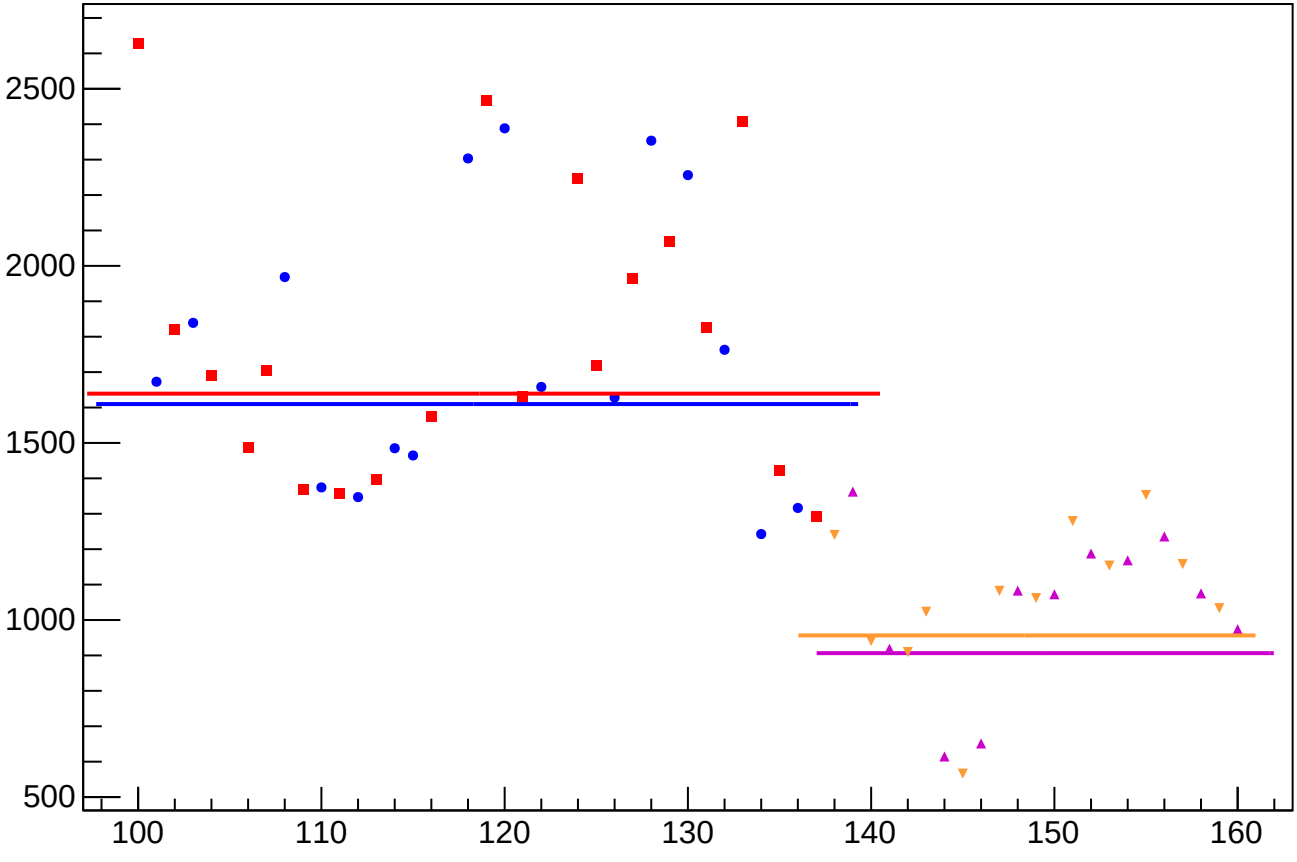
Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -50.711+/-273.889 χ^2/NDF:33.9/26

Out: -754.833+/-285.097 χ^2/NDF:63.4/30

All: -388.661+/-197.512 χ^2/NDF: 100.6/57

asym_sam3_reg_correction_rms vs Slug, Sign Corrected



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: 906.439+/-0.216 χ^2/NDF:1276373.0/10

Left: 930.173+/-0.157 χ^2/NDF: 2538715.0/22

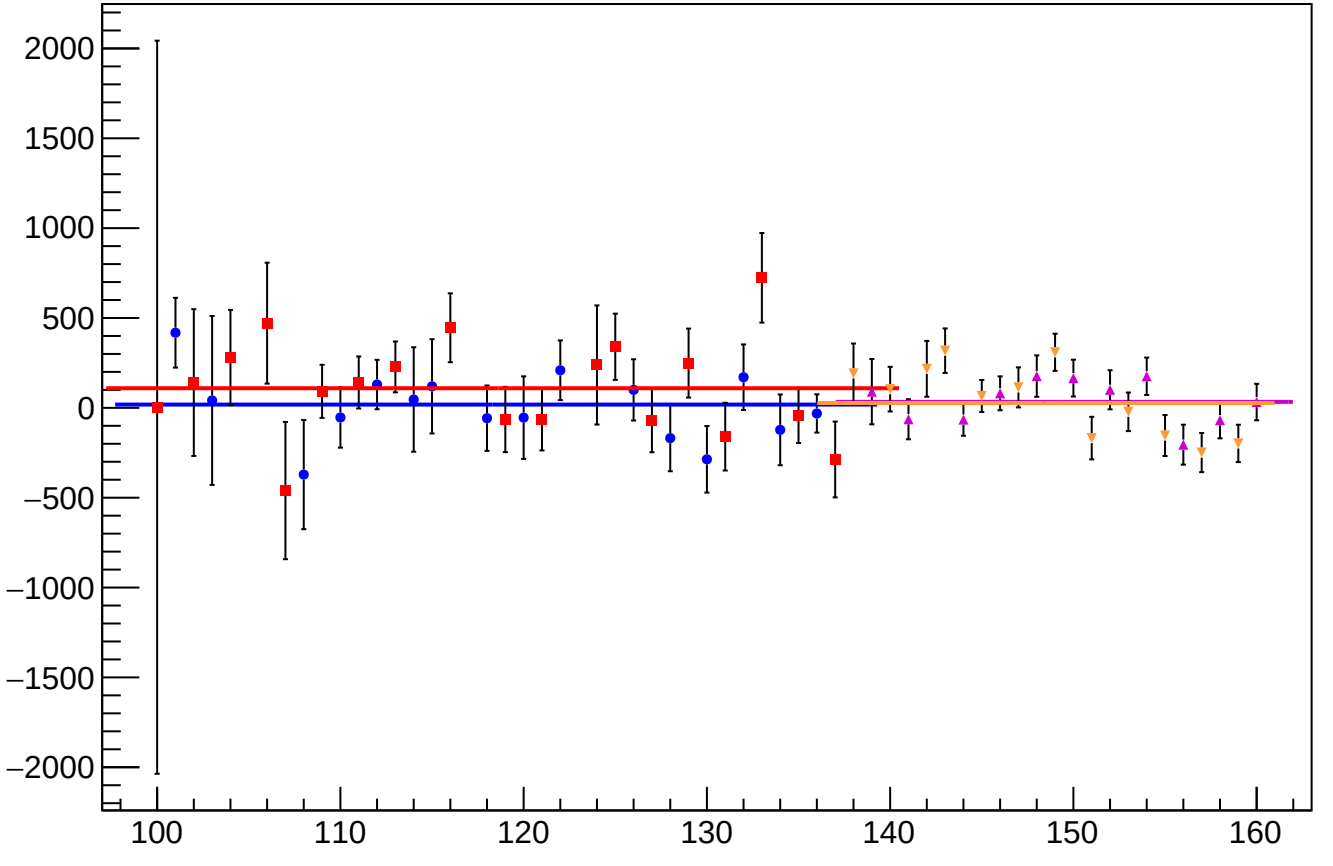
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1045.480+/-0.194 χ^2/NDF:3987368.3/26

Out: 1104.130+/-0.202 χ^2/NDF:3701008.6/30

All: 1073.630+/-0.140 χ^2/NDF: 7732393.7/57

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: 33.308+/-32.113 χ^2/NDF:13.4/10

Left: 30.280+/-23.002 χ^2/NDF: 46.6/22

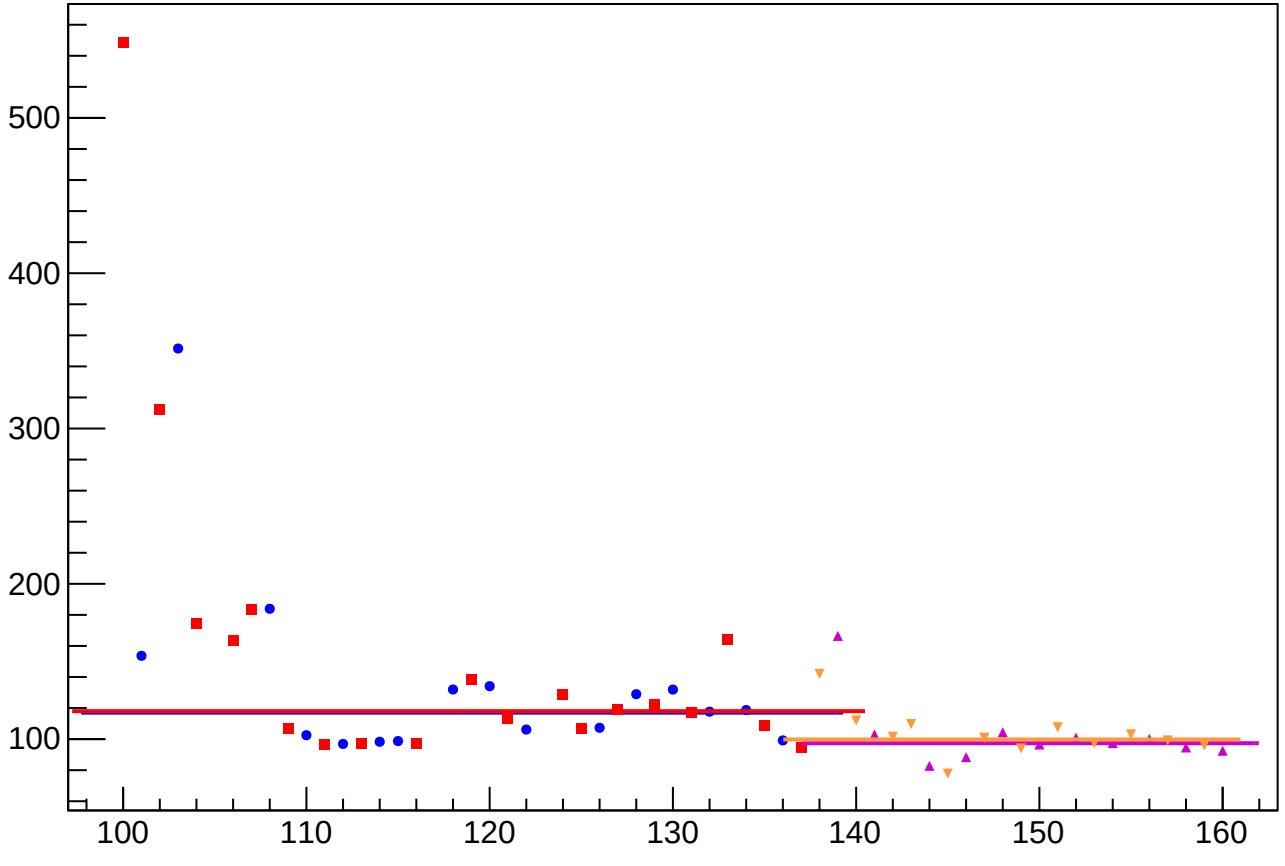
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.312+/-26.275 χ^2/NDF:27.3/26

Out: 55.070+/-26.760 χ^2/NDF:60.7/30

All: 41.446+/-18.749 χ^2/NDF: 88.5/57

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: 97.374+/-0.023 χ^2/NDF:381320.4/10

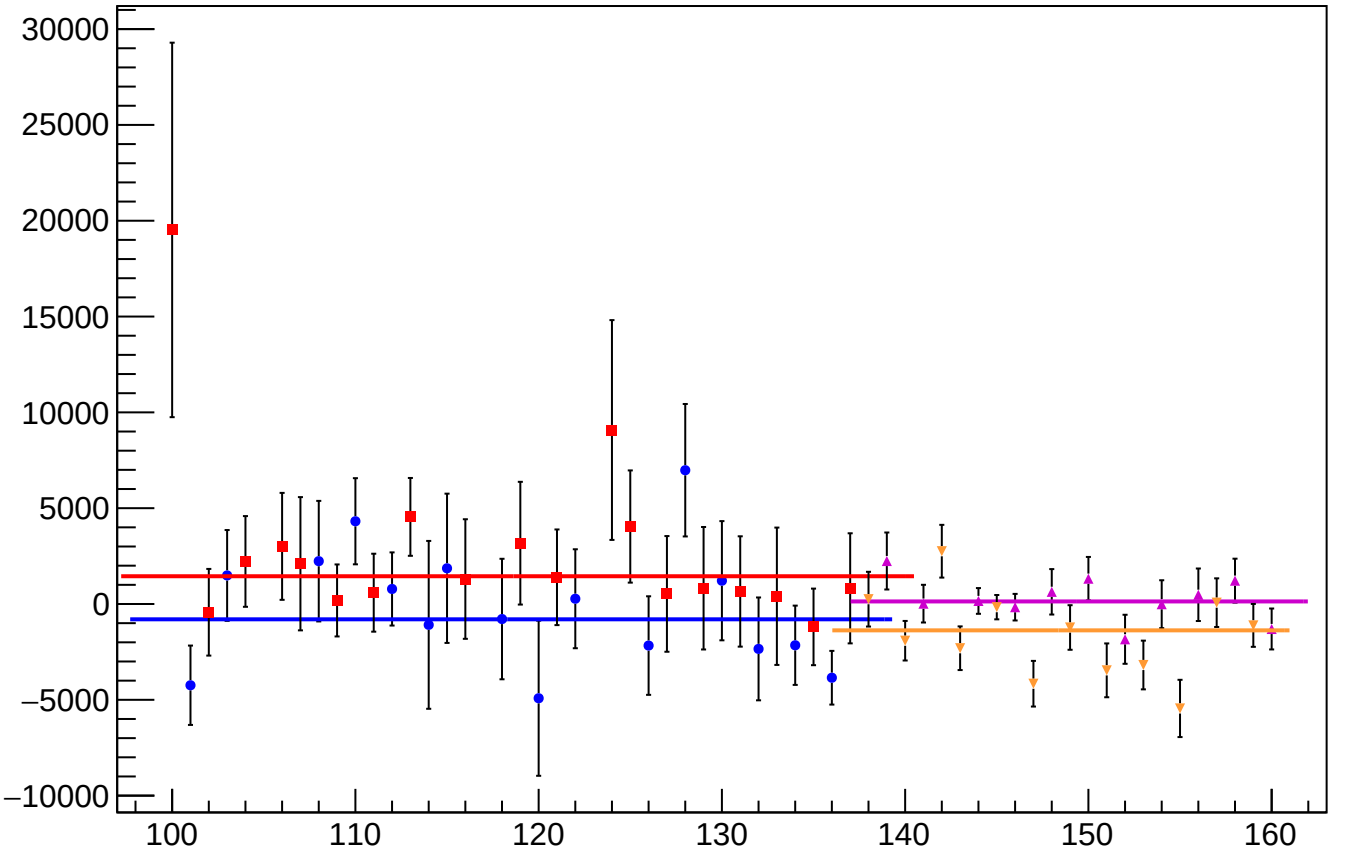
Left: 98.550+/-0.016 χ^2/NDF: 692221.3/22

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.881+/-0.019 χ^2/NDF:1488197.9/26

Out: 106.000+/-0.019 χ^2/NDF:1500217.7/30

All: 104.922+/-0.013 χ^2/NDF: 2994800.3/57



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: 133.703+/-305.776 χ^2/NDF:8.7/10

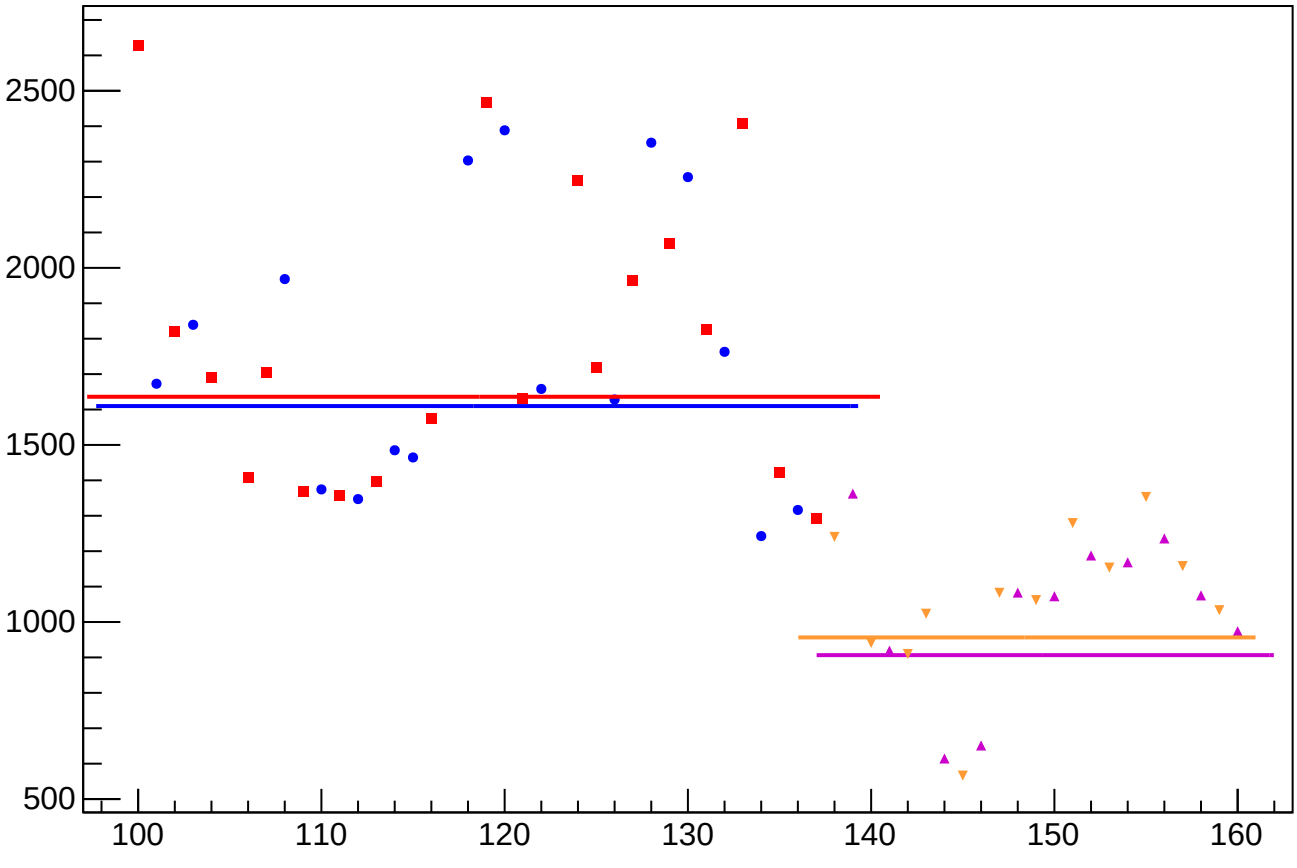
Left: -581.720+/-221.740 χ^2/NDF: 53.6/22

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -50.700+/-273.890 χ^2/NDF:33.9/26

Out: -766.756+/-285.231 χ^2/NDF:62.4/30

All: -394.209+/-197.557 χ^2/NDF: 99.6/57



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: 906.439+/-0.216 χ^2/NDF:1276375.4/10

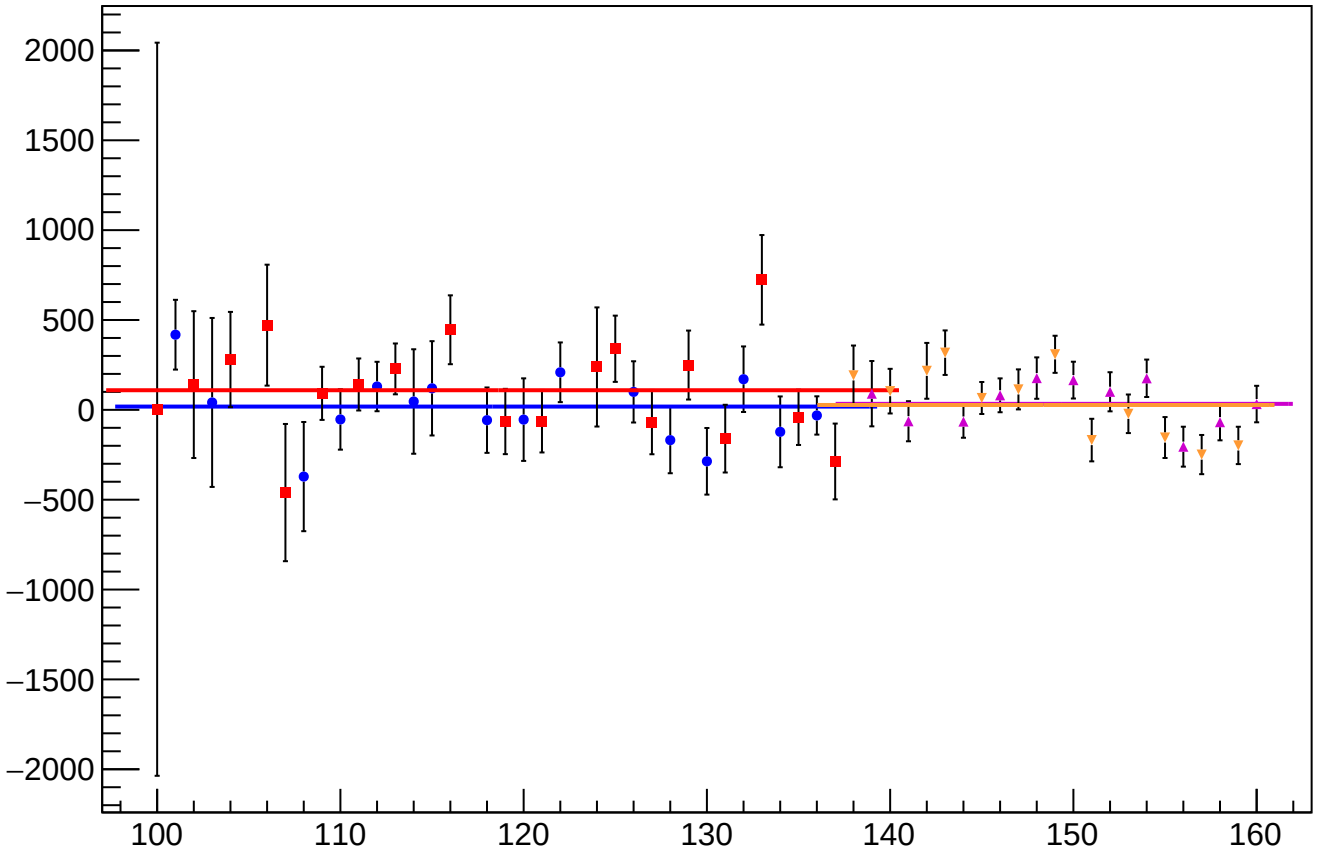
Left: 930.172+/-0.157 χ^2/NDF: 2538718.7/22

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1045.480+/-0.194 χ^2/NDF:3987432.3/26

Out: 1102.934+/-0.202 χ^2/NDF:3683876.0/30

All: 1073.042+/-0.140 χ^2/NDF: 7713528.0/57



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: 33.308+/-32.113 χ^2/NDF:13.4/10

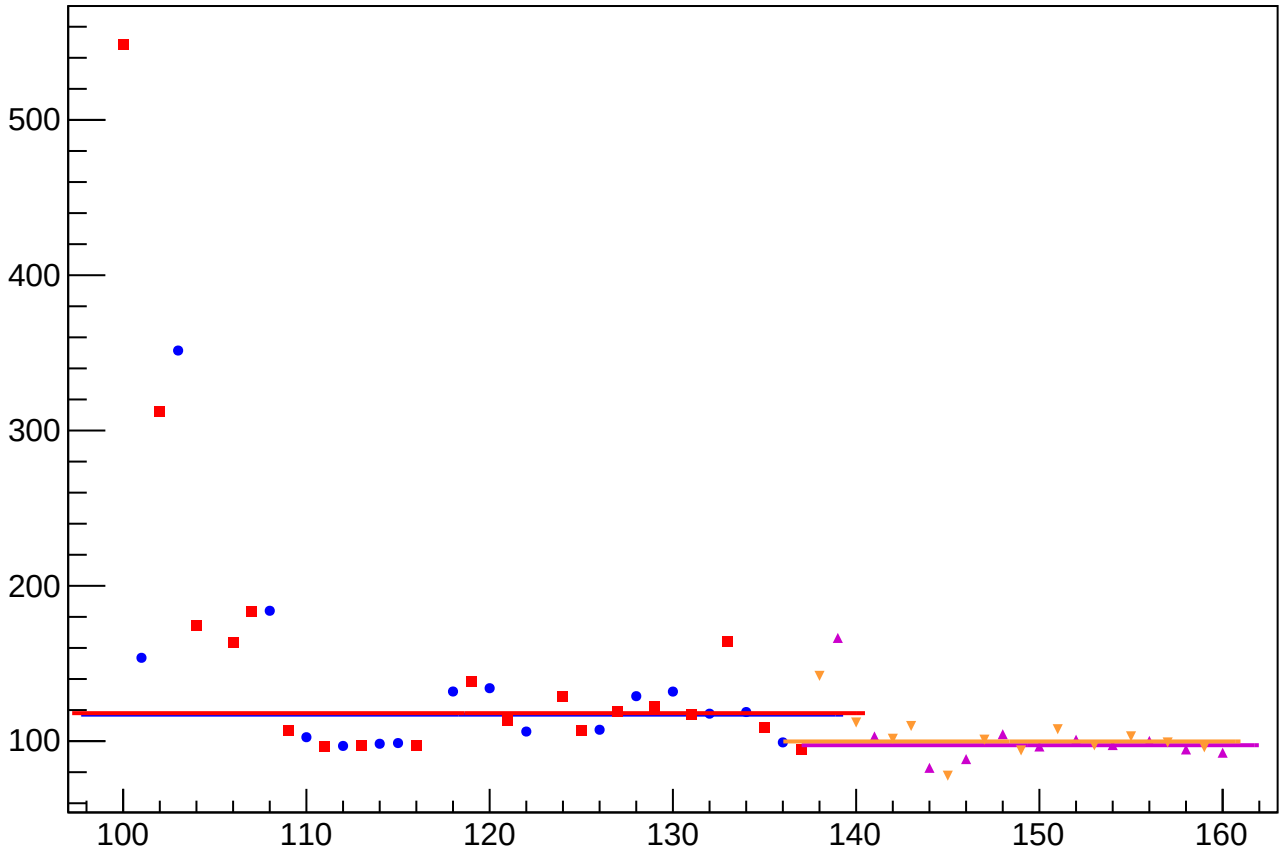
Left: 30.280+/-23.002 χ^2/NDF: 46.6/22

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.312+/-26.275 χ^2/NDF:27.3/26

Out: 55.070+/-26.760 χ^2/NDF:60.7/30

All: 41.446+/-18.749 χ^2/NDF: 88.5/57



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: 97.374+/-0.023 χ^2/NDF:381320.4/10

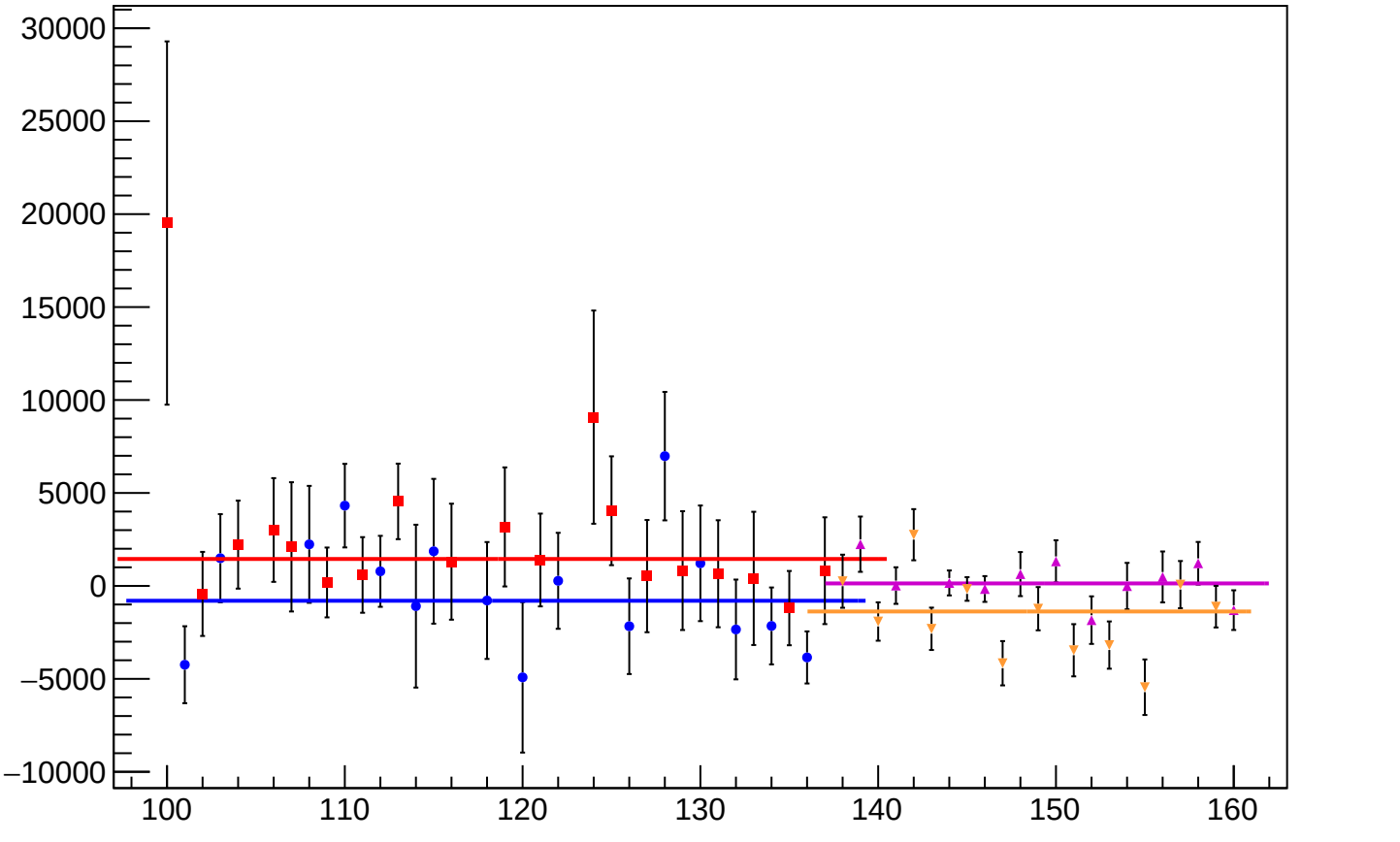
Left: 98.550+/-0.016 χ^2/NDF: 692221.3/22

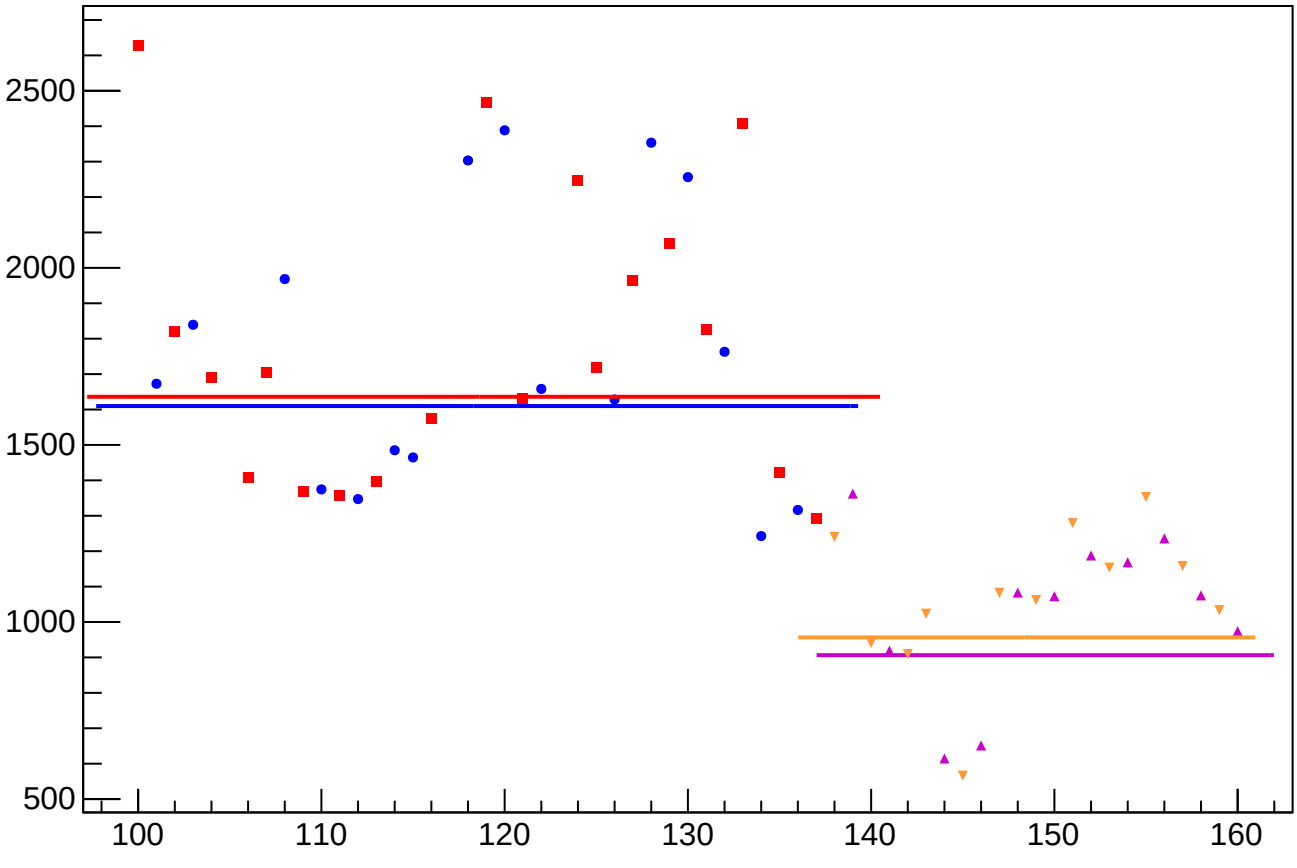
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.881+/-0.019 χ^2/NDF:1488197.9/26

Out: 106.000+/-0.019 χ^2/NDF:1500217.7/30

All: 104.922+/-0.013 χ^2/NDF: 2994800.3/57


asym_sam3_eigen_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: 133.703+/-305.776 χ²/NDF:8.7/10
Left: -581.720+/-221.740 χ²/NDF: 53.6/22
Right: 327.528+/-435.031 χ²/NDF: 42.6/34
In: -50.700+/-273.890 χ²/NDF:33.9/26
Out: -766.756+/-285.231 χ²/NDF:62.4/30
All: -394.209+/-197.557 χ²/NDF: 99.6/57



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: 906.439+/-0.216 χ^2/NDF:1276375.4/10

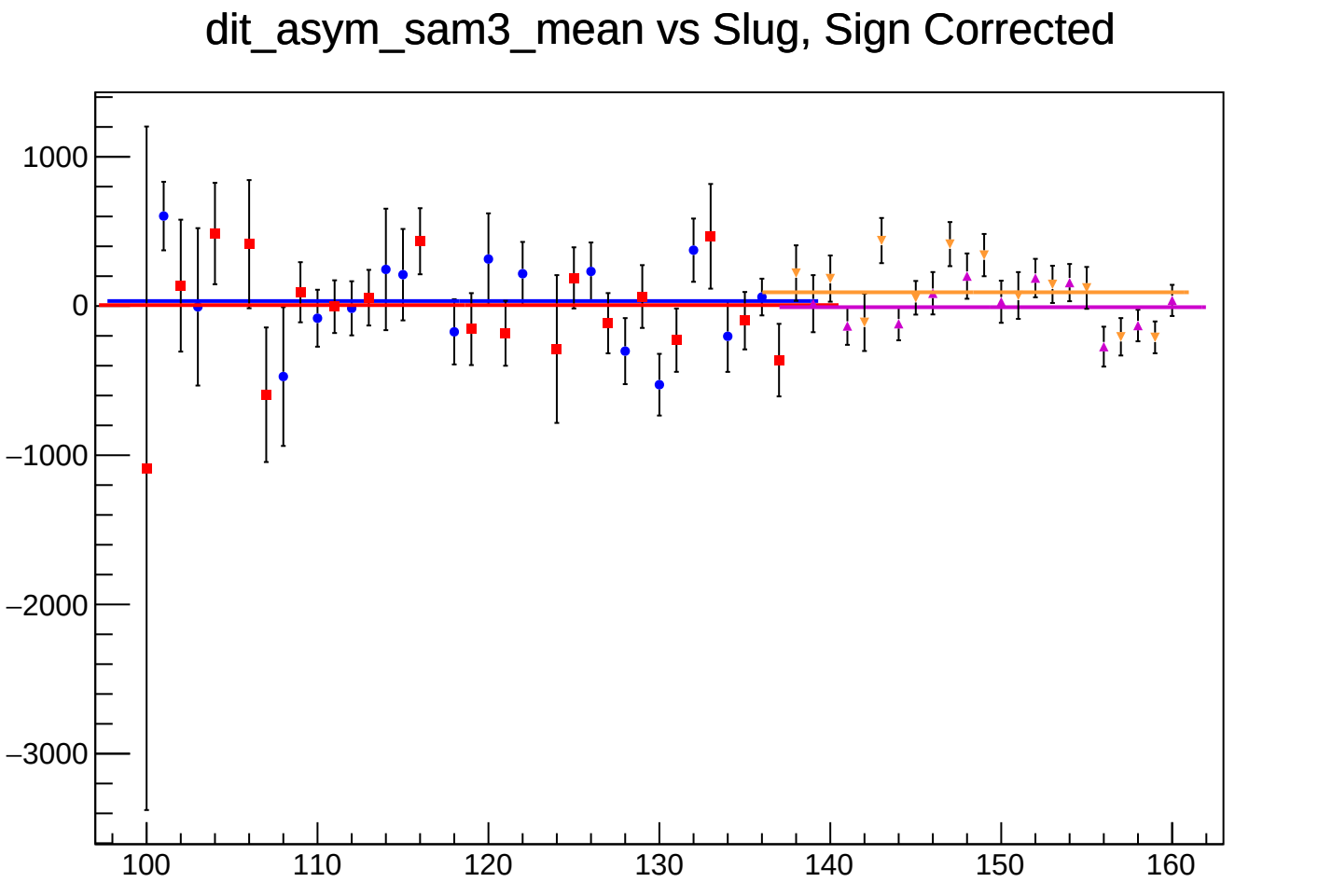
Left: 930.172+/-0.157 χ^2/NDF: 2538718.7/22

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

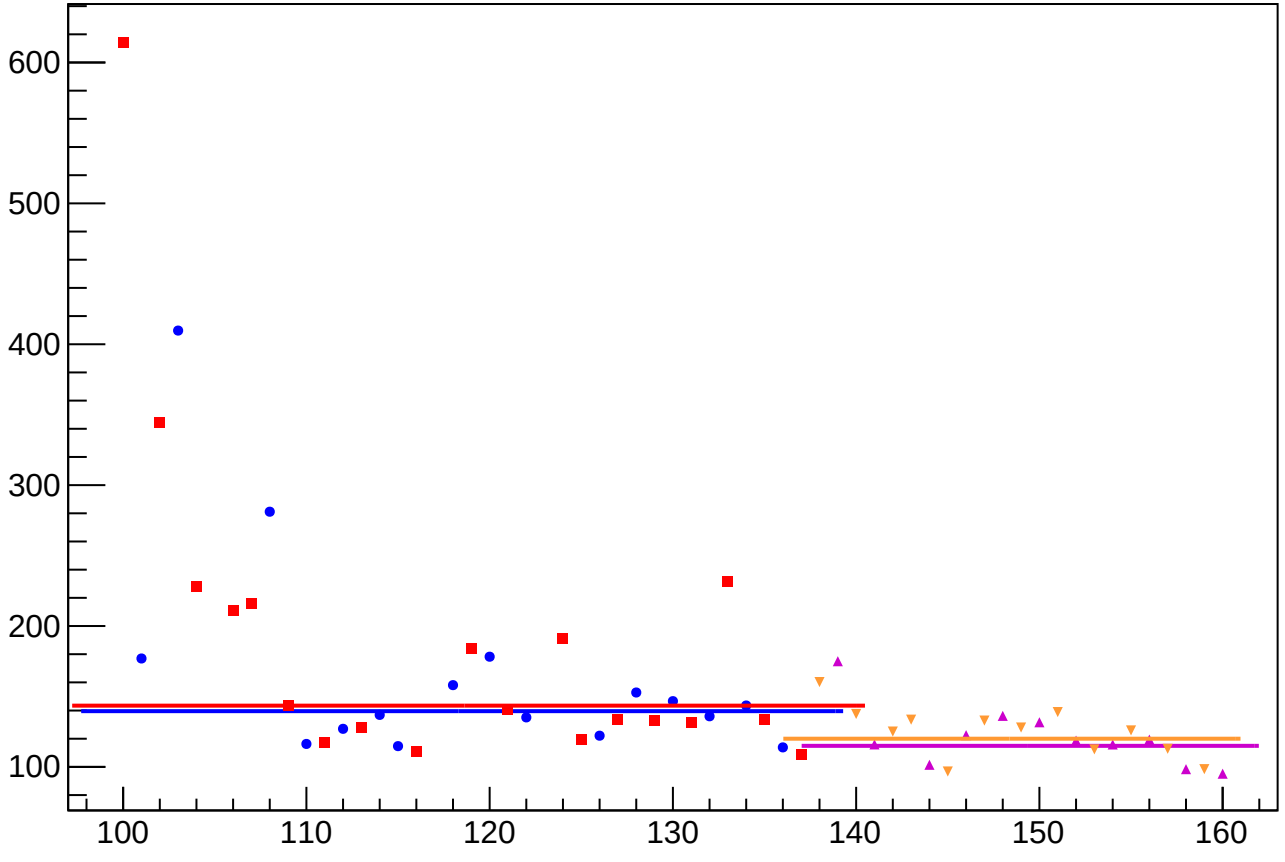
In: 1045.480+/-0.194 χ^2/NDF:3987432.3/26

Out: 1102.934+/-0.202 χ^2/NDF:3683876.0/30

All: 1073.042+/-0.140 χ^2/NDF: 7713528.0/57


dit_asym_sam3_mean vs Slug, Sign Corrected
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: 33.471+/-54.908 χ²/NDF: 25.2/15
Left Out: 92.085+/-40.066 χ²/NDF:29.1/11
Right Out: 6.107+/-56.090 χ²/NDF: 17.3/18
Left In: -7.767+/-38.472 χ²/NDF:13.9/10
Left: 40.133+/-27.750 χ²/NDF: 46.2/22
Right: 20.080+/-39.237 χ²/NDF: 42.6/34
In: 5.812+/-31.508 χ²/NDF:39.4/26
Out: 63.036+/-32.603 χ²/NDF:47.9/30
All: 33.447+/-22.657 χ²/NDF: 89.0/57

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: 114.951+/-0.027 χ^2/NDF:424538.3/10

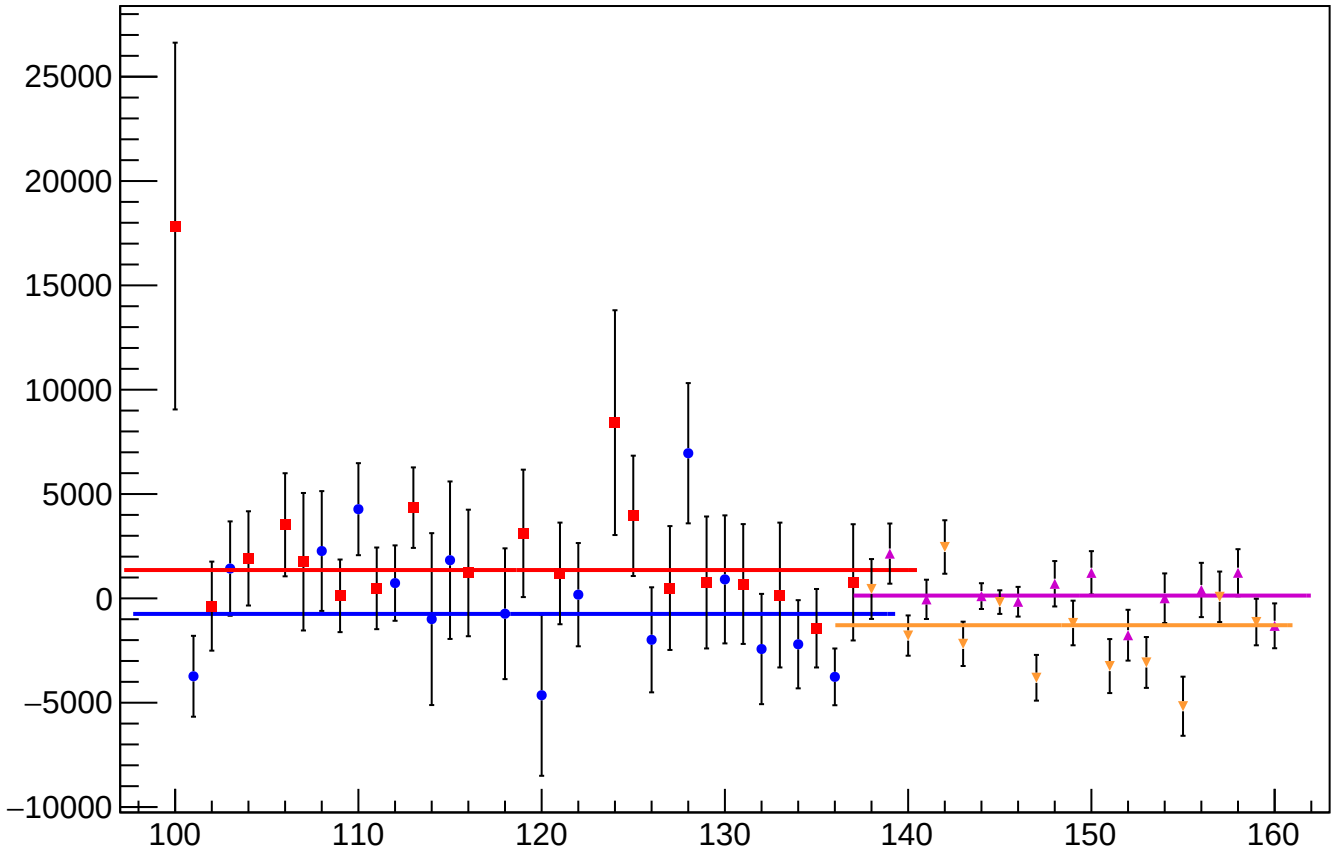
Left: 117.380+/-0.020 χ^2/NDF: 812908.5/22

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 123.057+/-0.022 χ^2/NDF:1670868.9/26

Out: 127.943+/-0.023 χ^2/NDF:1720175.3/30

All: 125.416+/-0.016 χ^2/NDF: 3414270.6/57



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: 133.949+/-293.680 χ^2/NDF:8.8/10

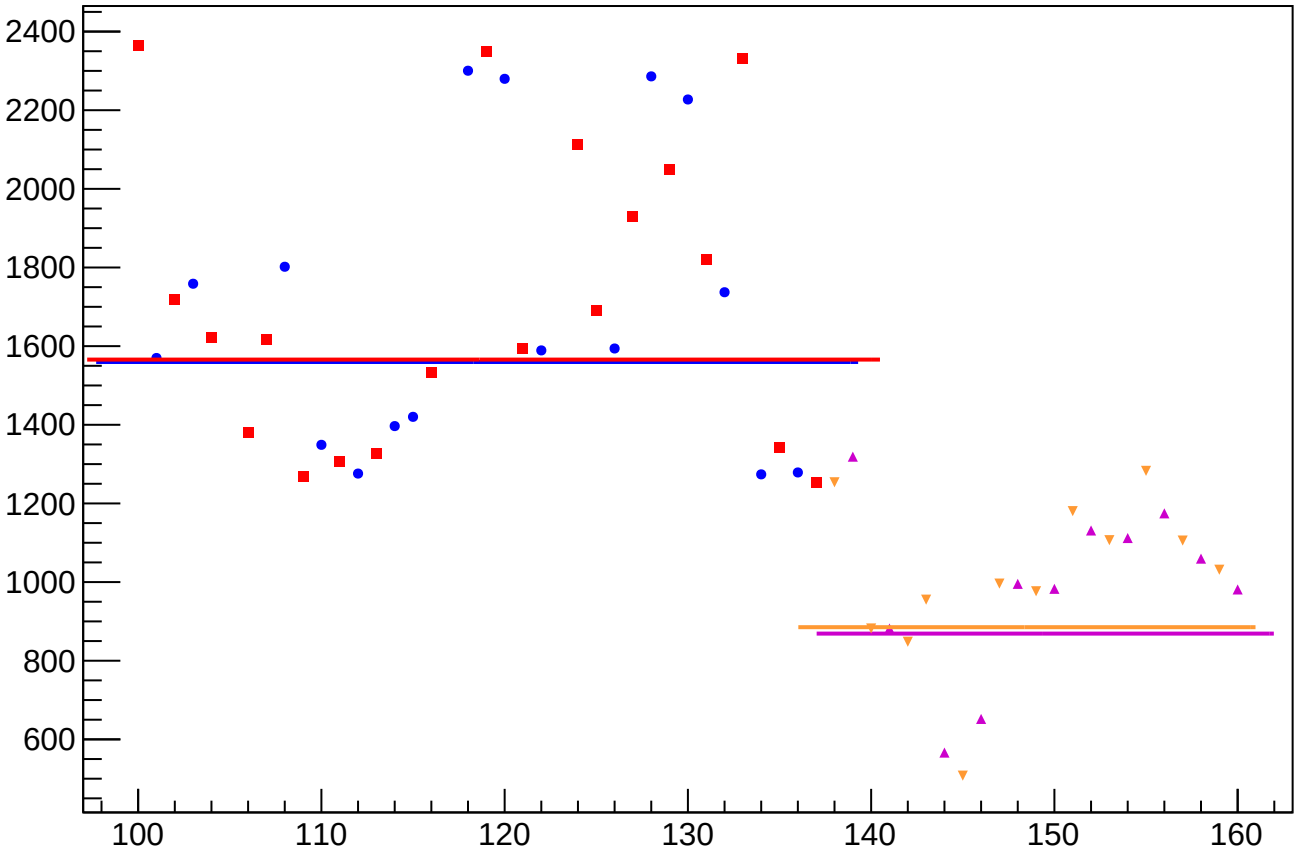
Left: -561.921+/-209.741 χ^2/NDF: 53.6/22

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -37.795+/-263.418 χ^2/NDF:34.0/26

Out: -737.987+/-266.772 χ^2/NDF:63.0/30

All: -383.462+/-187.440 χ^2/NDF: 100.5/57



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: 868.980+/-0.208 χ^2/NDF:1277207.5/10

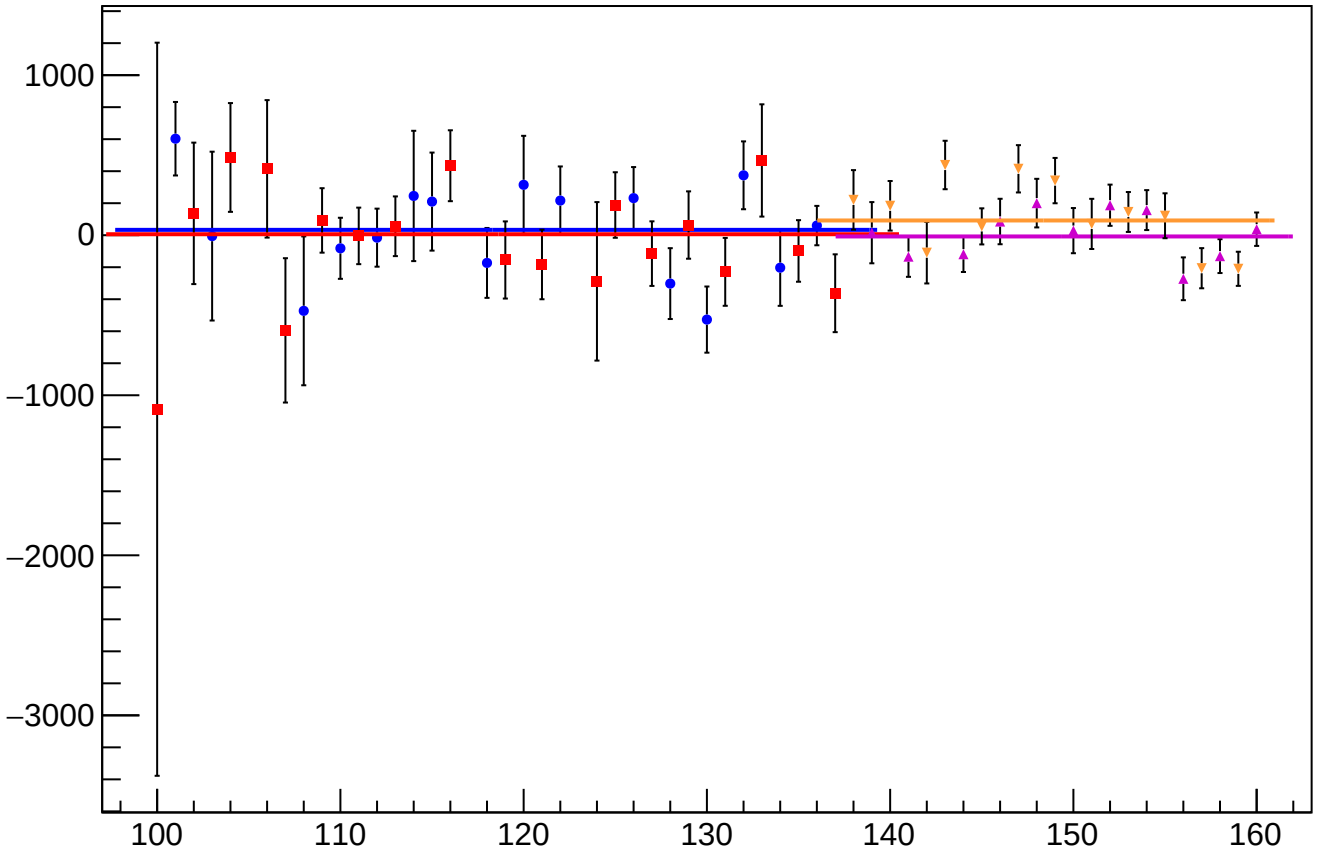
Left: 876.970+/-0.148 χ^2/NDF: 2775234.2/22

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1004.001+/-0.186 χ^2/NDF:4044169.5/26

Out: 1026.415+/-0.189 χ^2/NDF:4198122.6/30

All: 1015.066+/-0.133 χ^2/NDF: 8249441.1/57



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: -7.768+/-38.472 χ^2/NDF:13.9/10

Left: 40.134+/-27.751 χ^2/NDF: 46.2/22

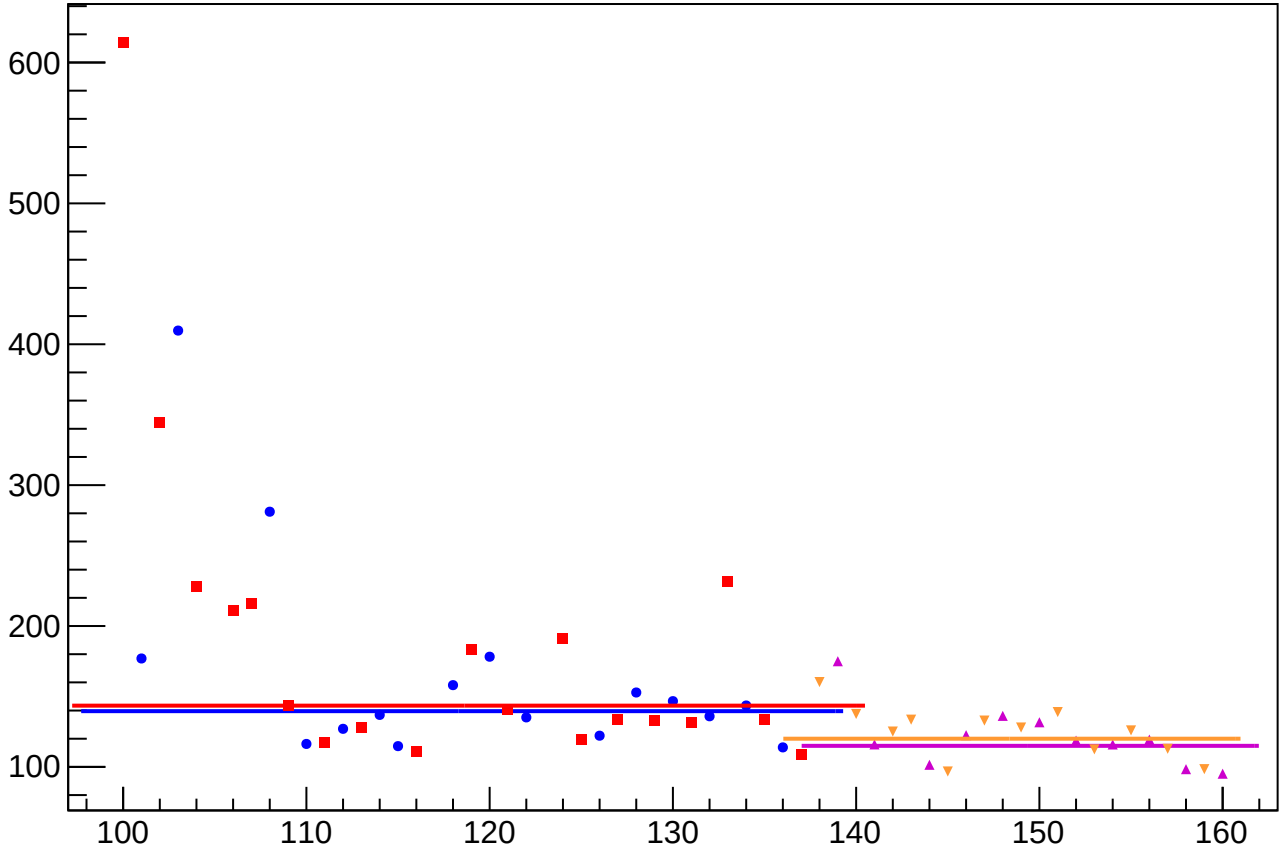
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 5.811+/-31.508 χ^2/NDF:39.4/26

Out: 63.037+/-32.603 χ^2/NDF:47.9/30

All: 33.446+/-22.657 χ^2/NDF: 89.0/57

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: 114.952+/-0.027 χ^2/NDF:424547.1/10

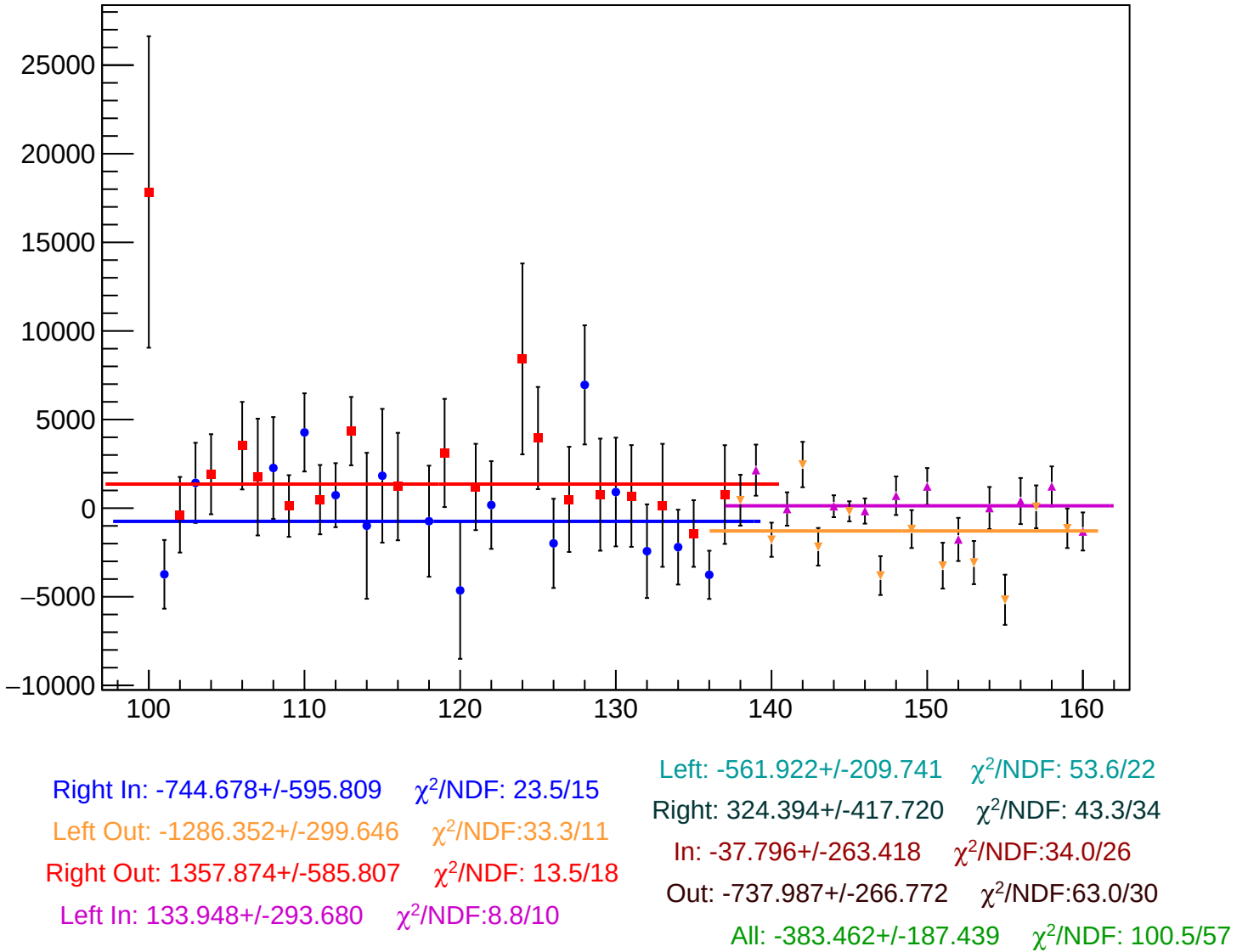
Left: 117.381+/-0.020 χ^2/NDF: 812930.5/22

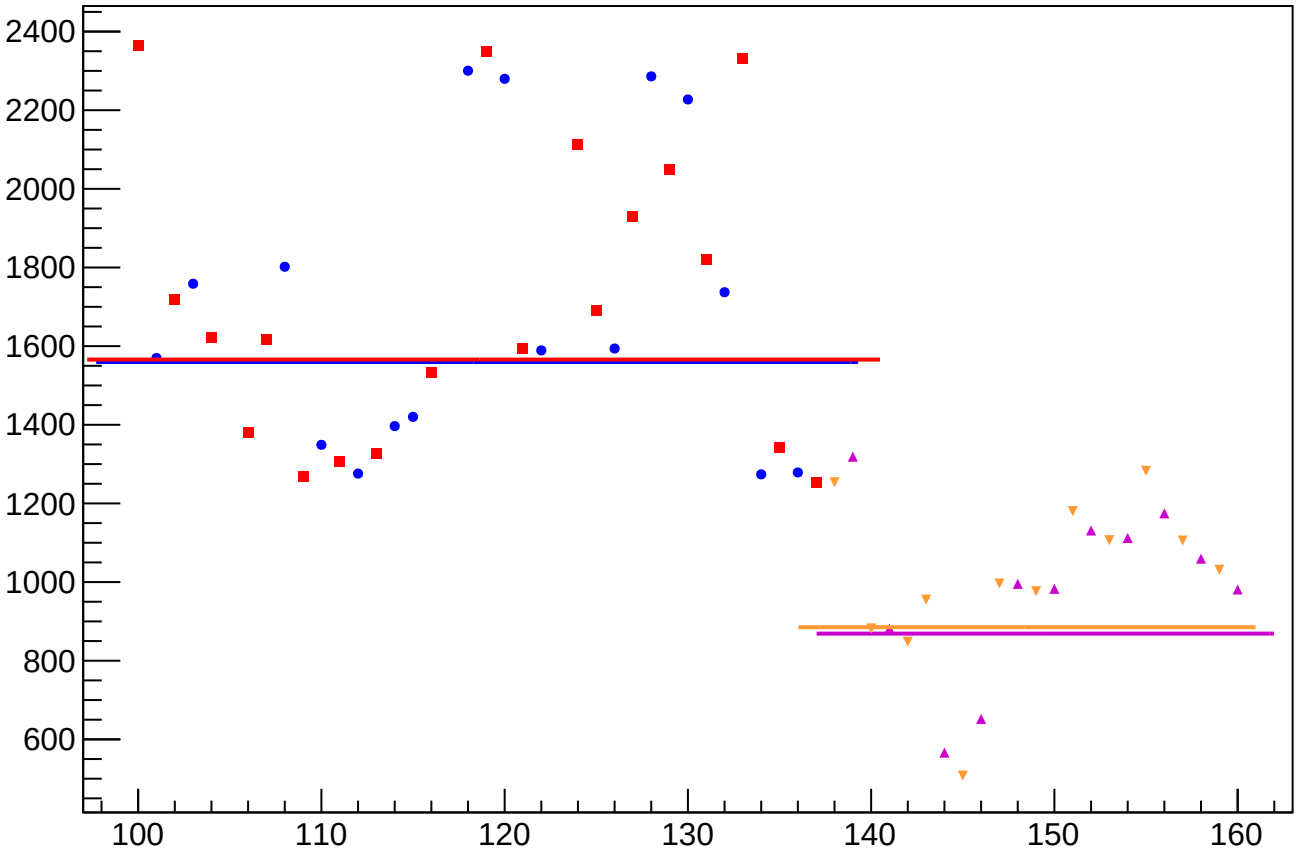
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 123.057+/-0.022 χ^2/NDF:1670874.8/26

Out: 127.943+/-0.023 χ^2/NDF:1720188.2/30

All: 125.417+/-0.016 χ^2/NDF: 3414291.3/57


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: 133.948+/-293.680 χ²/NDF:8.8/10
Left: -561.922+/-209.741 χ²/NDF: 53.6/22
Right: 324.394+/-417.720 χ²/NDF: 43.3/34
In: -37.796+/-263.418 χ²/NDF:34.0/26
Out: -737.987+/-266.772 χ²/NDF:63.0/30
All: -383.462+/-187.439 χ²/NDF: 100.5/57



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: 868.979+/-0.208 χ^2/NDF:1277204.6/10

Left: 876.969+/-0.148 χ^2/NDF: 2775228.1/22

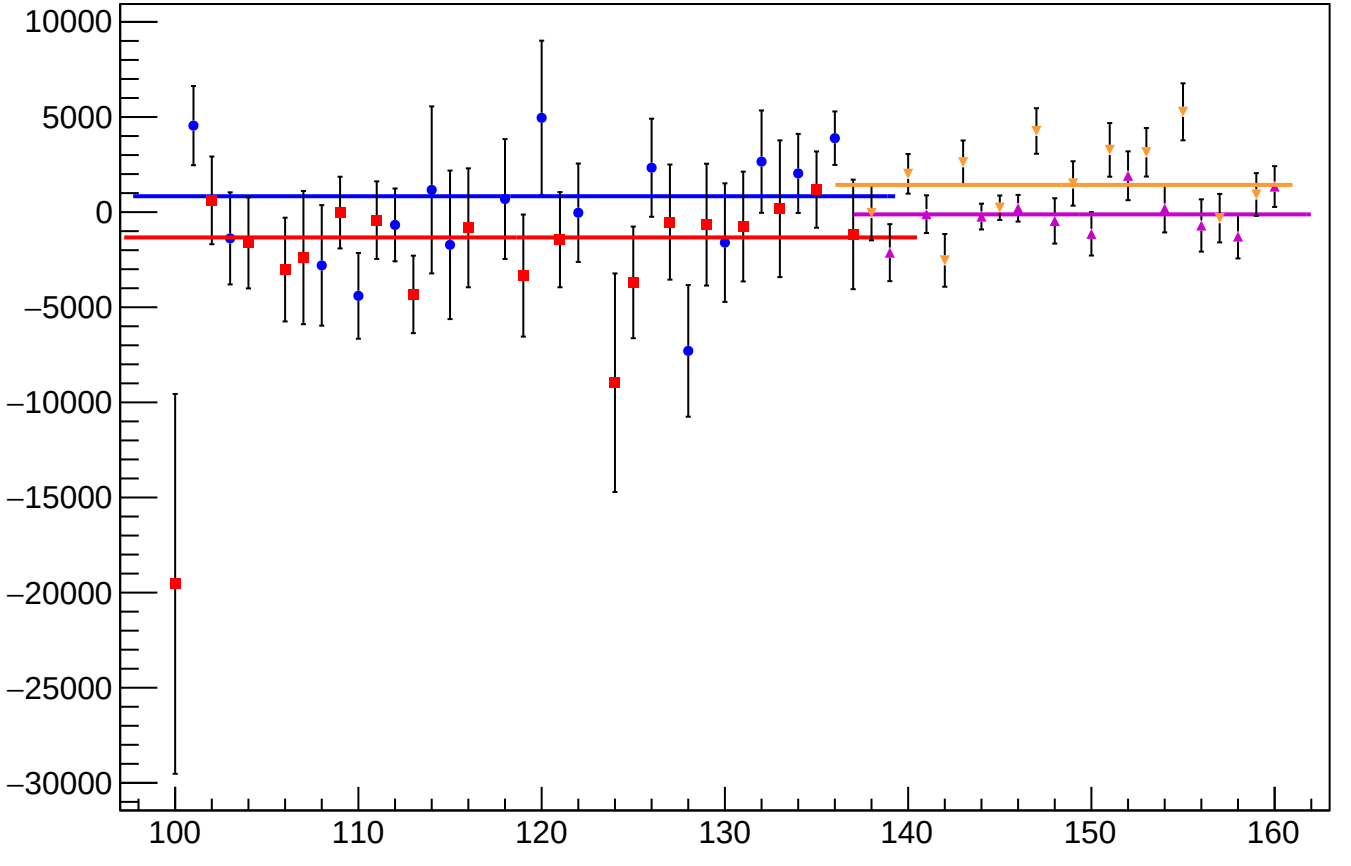
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1003.999+/-0.186 χ^2/NDF:4044168.0/26

Out: 1026.414+/-0.189 χ^2/NDF:4198116.4/30

All: 1015.065+/-0.133 χ^2/NDF: 8249433.3/57

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: -117.497+/-307.851 χ^2/NDF:8.6/10

Left: 617.321+/-223.207 χ^2/NDF: 52.5/22

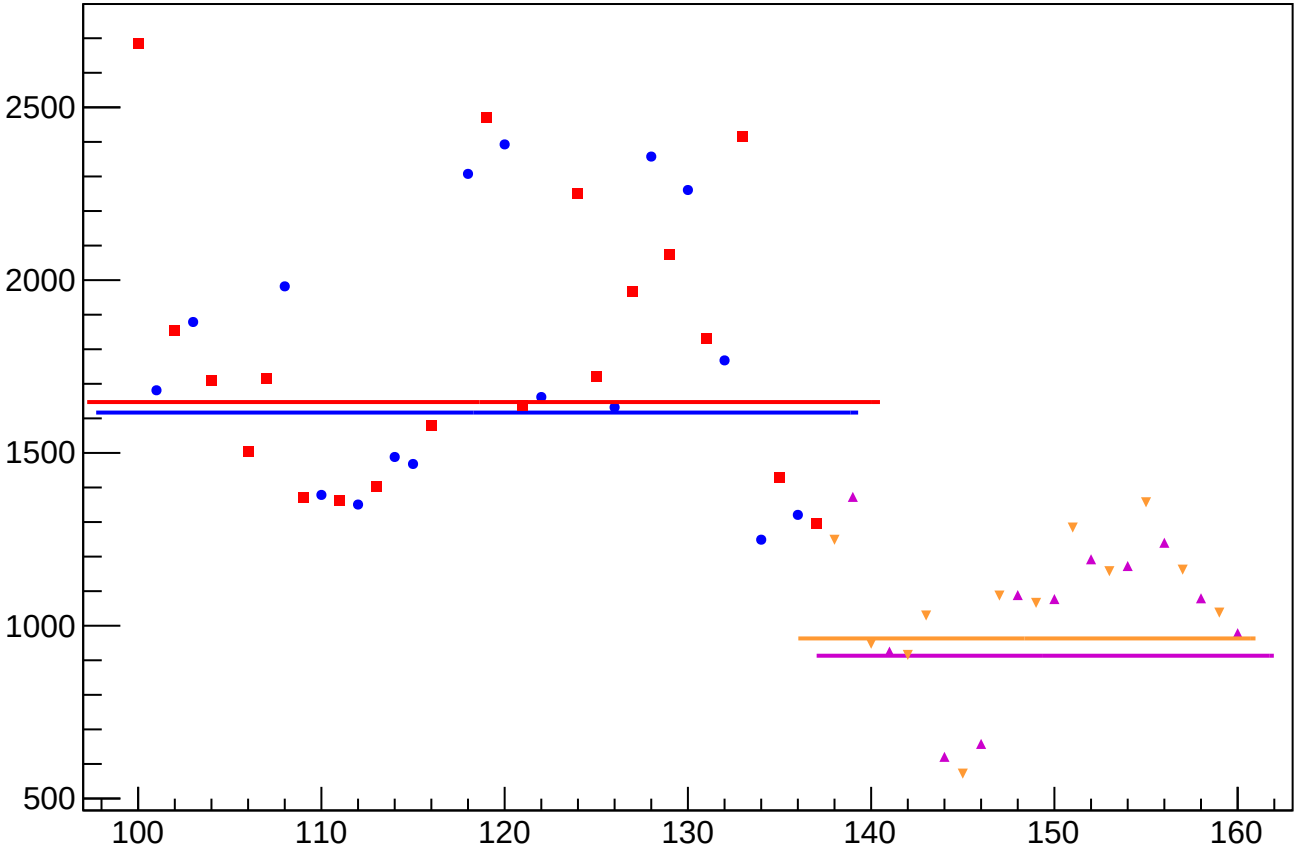
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 71.585+/-275.624 χ^2/NDF:35.4/26

Out: 833.750+/-286.868 χ^2/NDF:59.8/30

All: 437.438+/-198.752 χ^2/NDF: 98.8/57

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: 913.183+/-0.218 χ^2/NDF:1253908.3/10

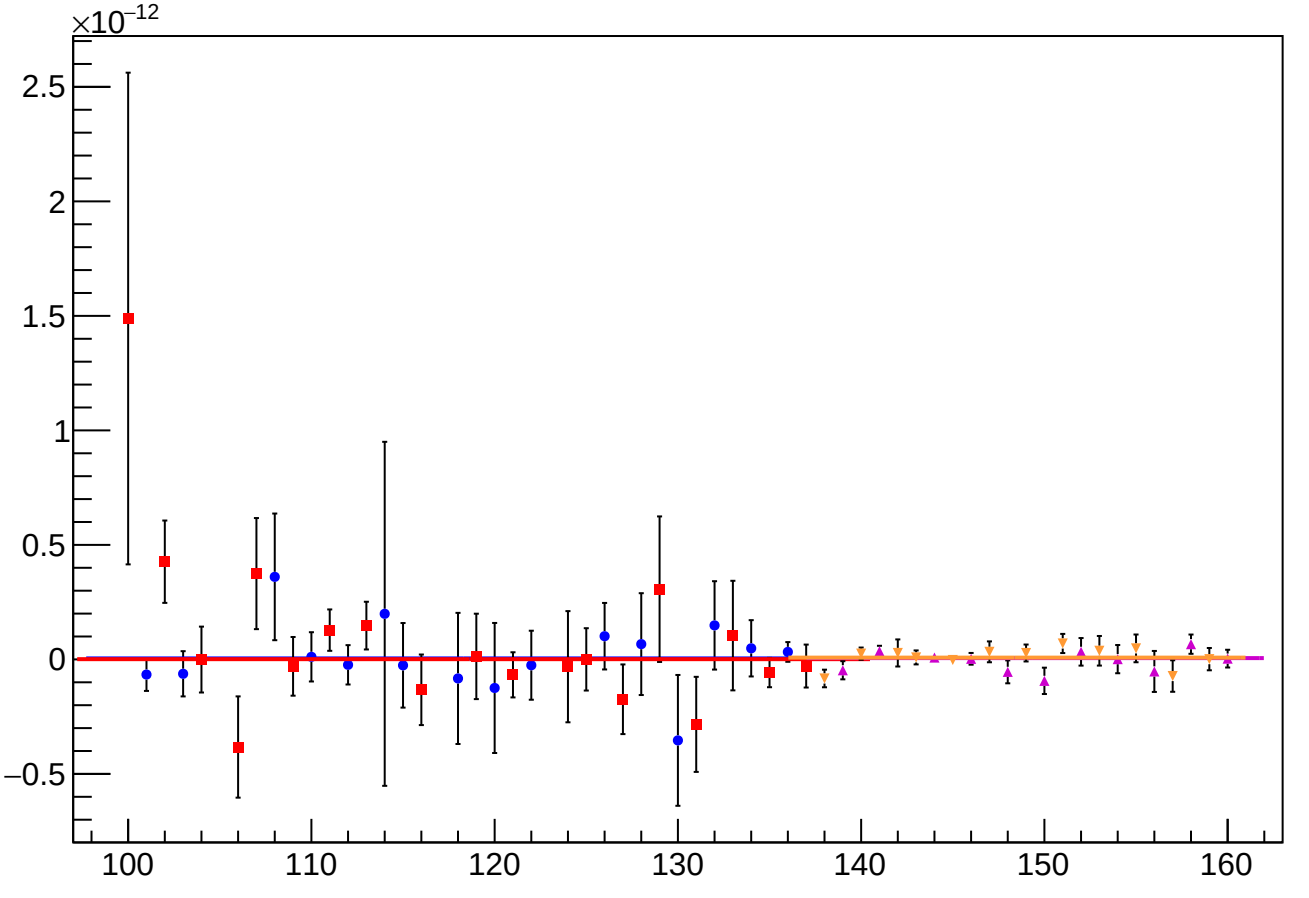
Left: 936.905+/-0.158 χ^2/NDF: 2493286.4/22

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1052.788+/-0.195 χ^2/NDF:3949122.7/26

Out: 1111.338+/-0.203 χ^2/NDF:3667574.2/30

All: 1080.893+/-0.141 χ^2/NDF: 7660018.7/57



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:10.6/10

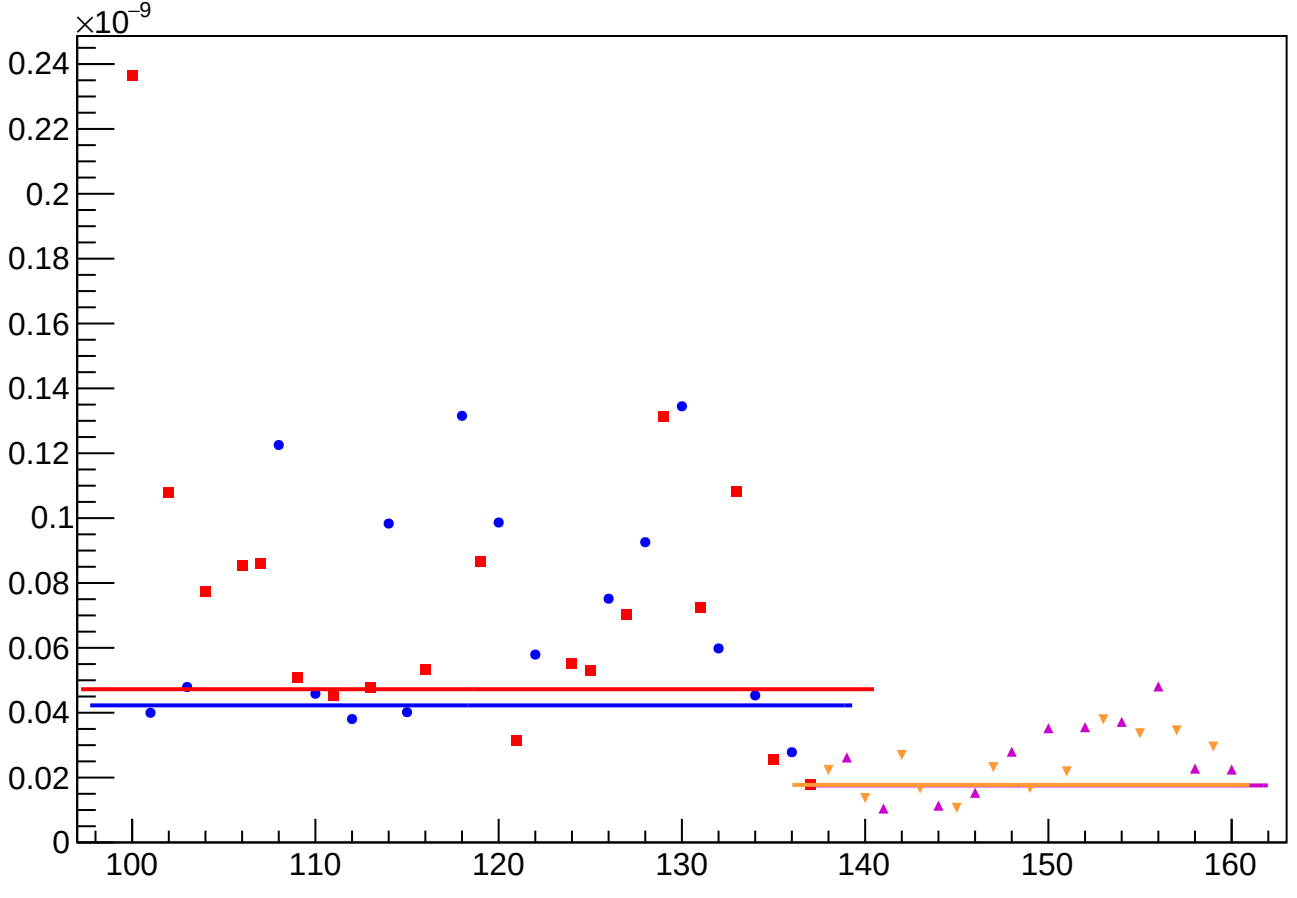
Left: 0.000+/-0.000 χ^2/NDF: 21.9/22

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:17.4/26

Out: 0.000+/-0.000 χ^2/NDF:34.8/30

All: 0.000+/-0.000 χ^2/NDF: 52.2/57



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:1478271.1/10

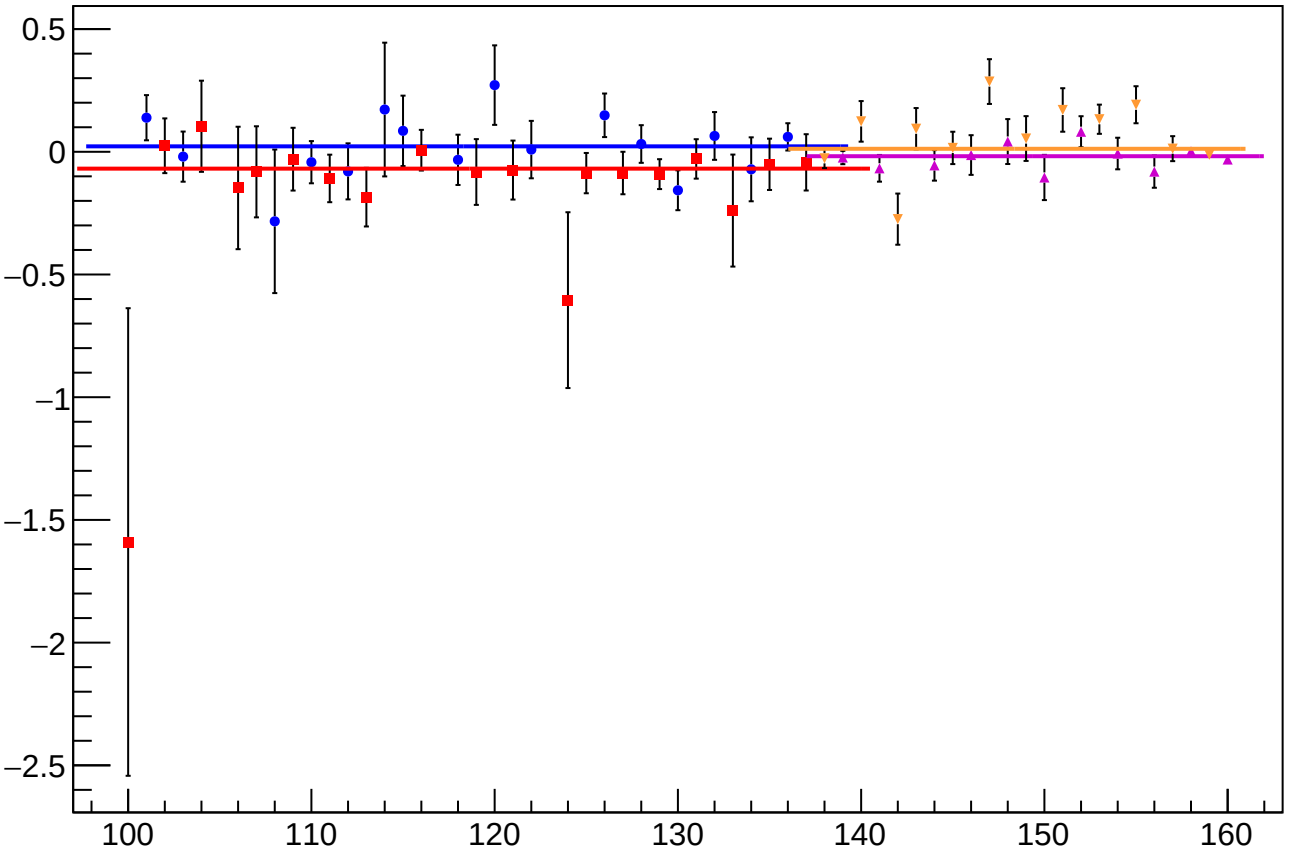
Left: 0.000+/-0.000 χ^2/NDF: 2521367.0/22

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4065088.4/26

Out: 0.000+/-0.000 χ^2/NDF:4150234.0/30

All: 0.000+/-0.000 χ^2/NDF: 8215799.9/57



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: -0.018+/-0.010 χ^2/NDF:8.2/10

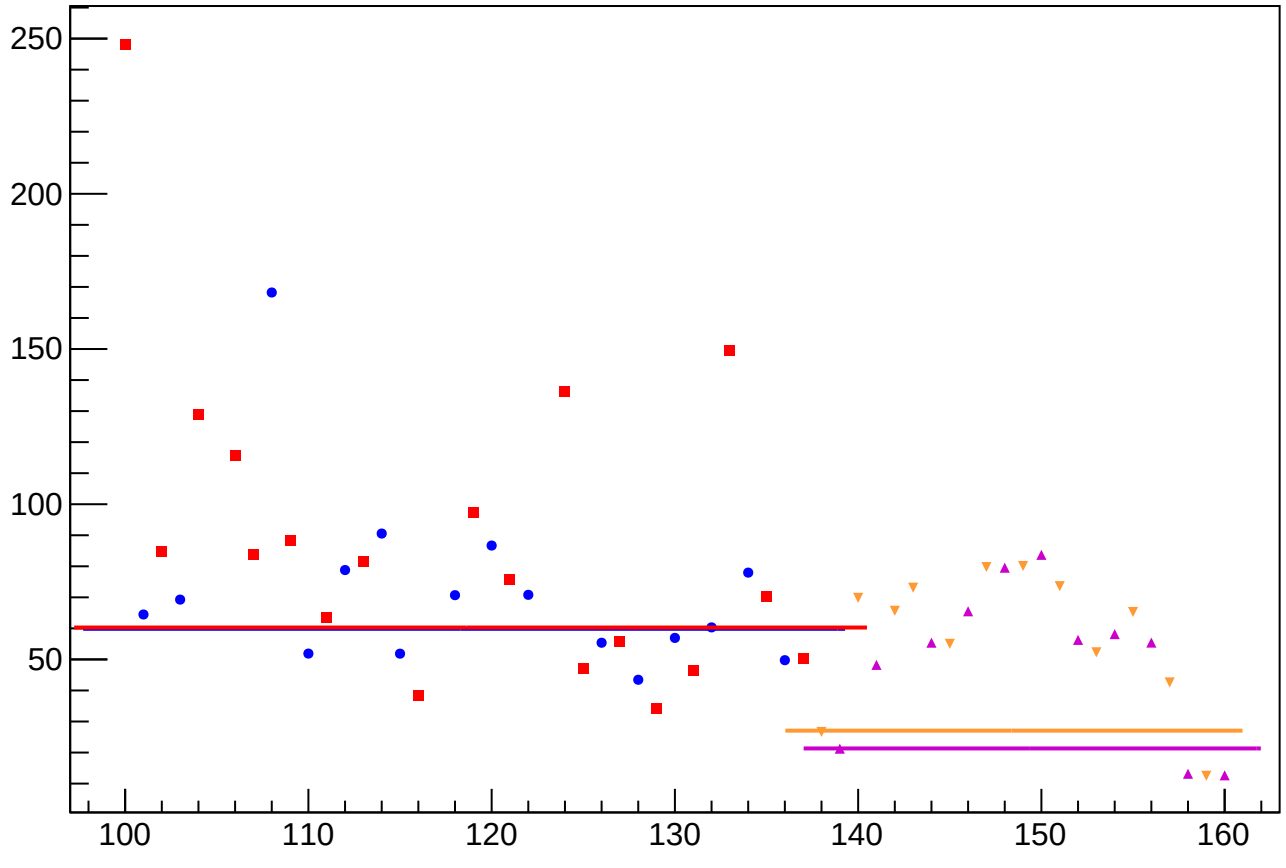
Left: -0.006+/-0.008 χ^2/NDF: 47.8/22

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.009+/-0.007 χ^2/NDF: 80.2/57



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: 21.324+/-0.007 χ^2/NDF:6303307.7/10

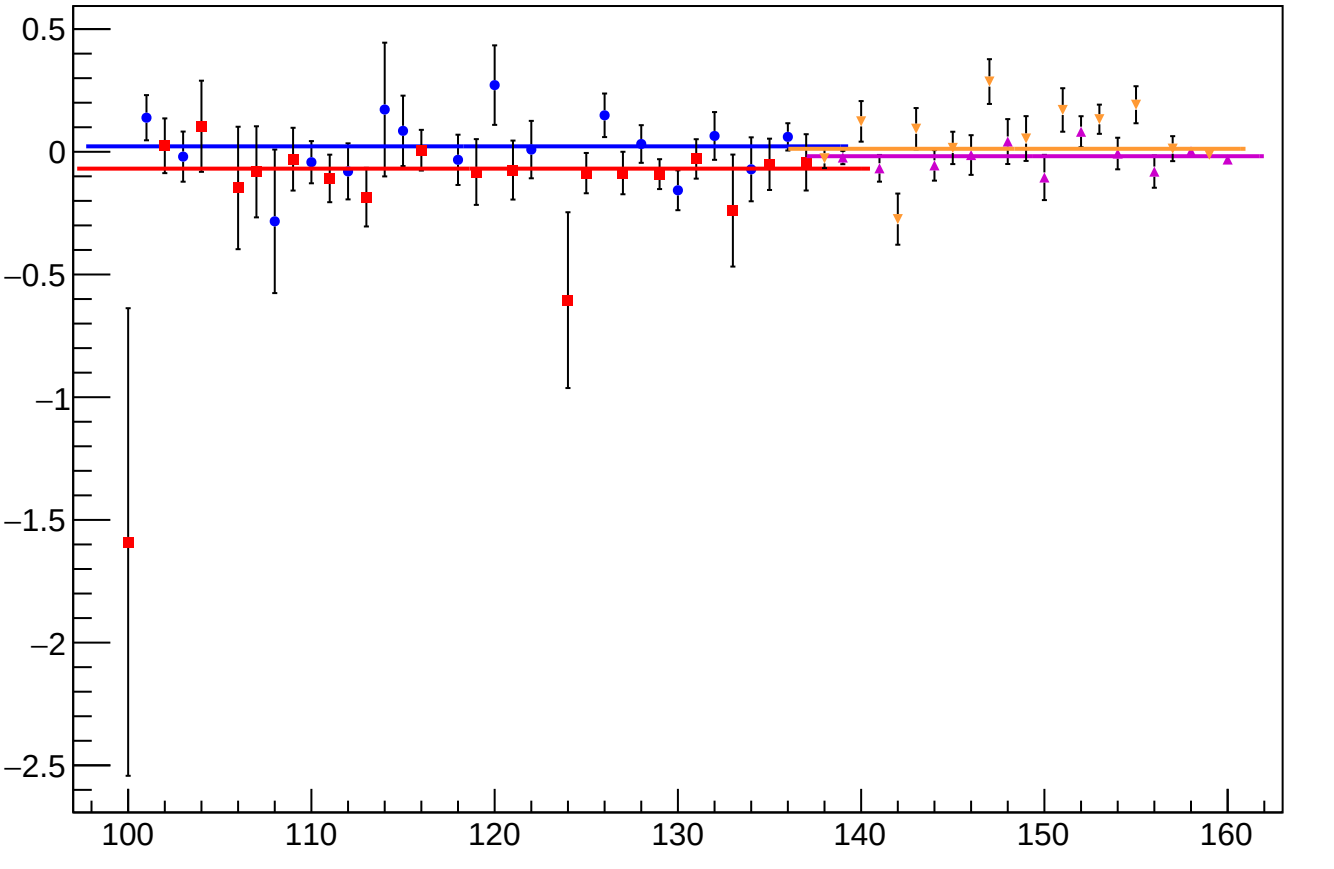
Left: 23.518+/-0.005 χ^2/NDF: 13064766.0/22

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.443+/-0.006 χ^2/NDF:11234332.7/26

Out: 33.394+/-0.008 χ^2/NDF:11263989.9/30

All: 29.216+/-0.005 χ^2/NDF: 22975069.2/57



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: -0.018+/-0.010 χ^2/NDF:8.2/10

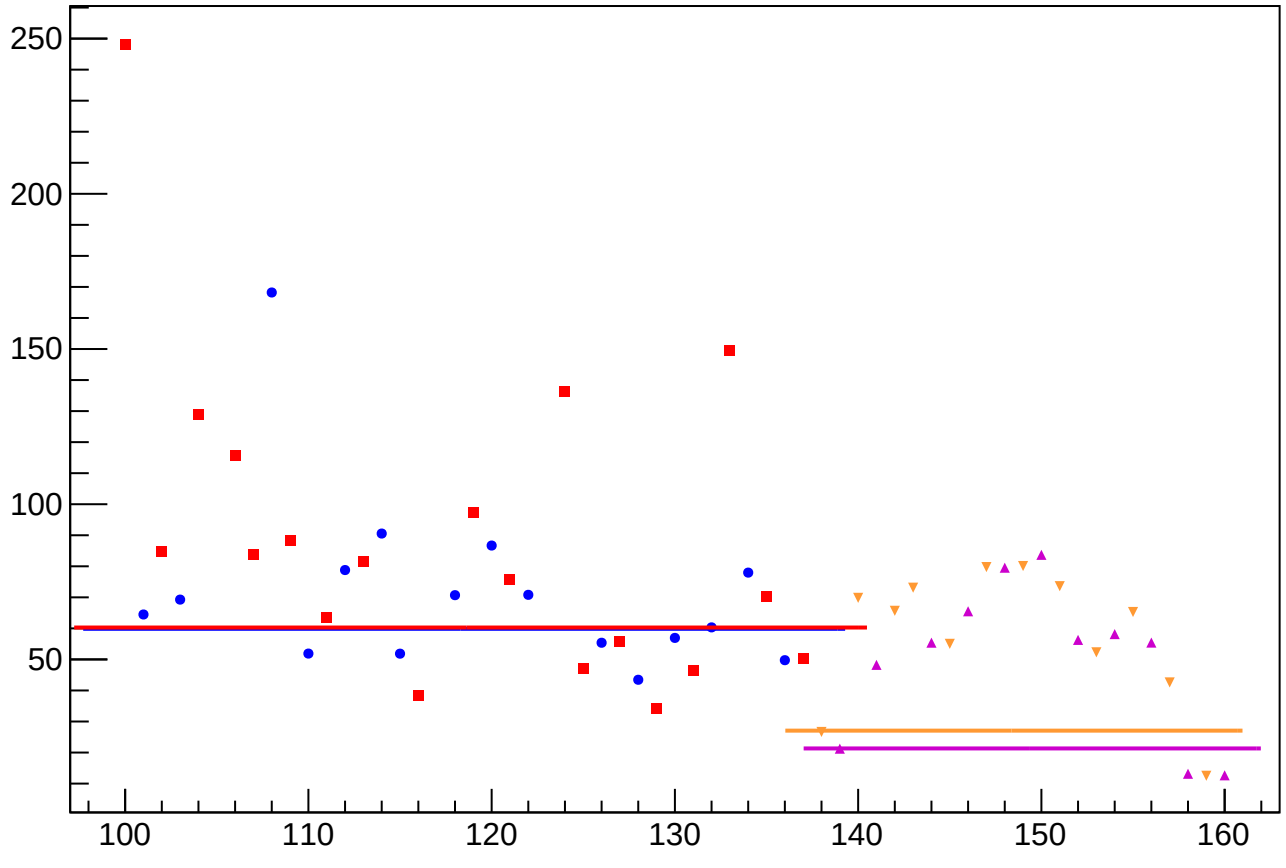
Left: -0.006+/-0.008 χ^2/NDF: 47.8/22

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.009+/-0.007 χ^2/NDF: 80.2/57



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: 21.324+/-0.007 χ^2/NDF:6303307.7/10

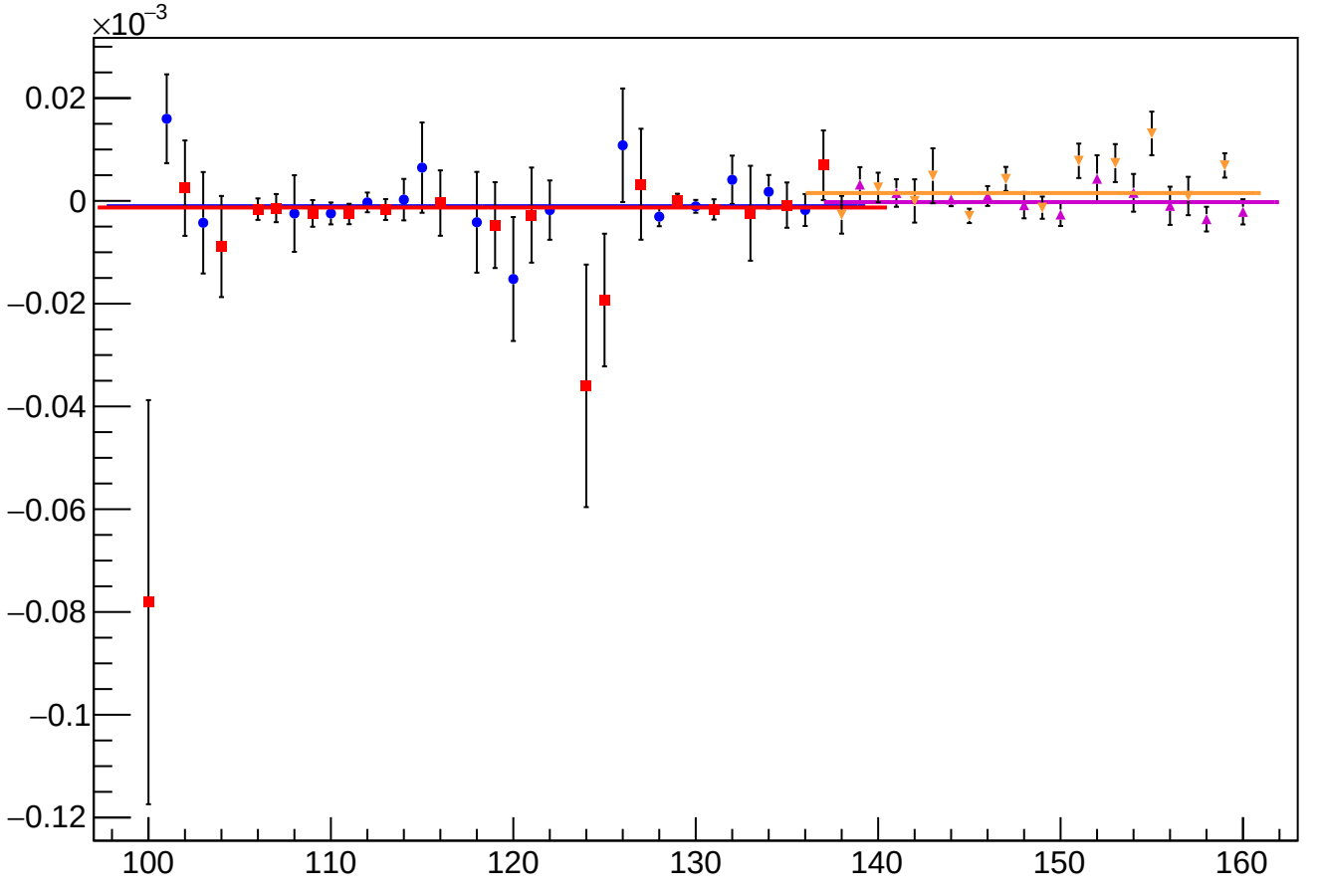
Left: 23.518+/-0.005 χ^2/NDF: 13064766.0/22

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.443+/-0.006 χ^2/NDF:11234332.7/26

Out: 33.394+/-0.008 χ^2/NDF:11263989.9/30

All: 29.216+/-0.005 χ^2/NDF: 22975069.2/57



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:7.0/10

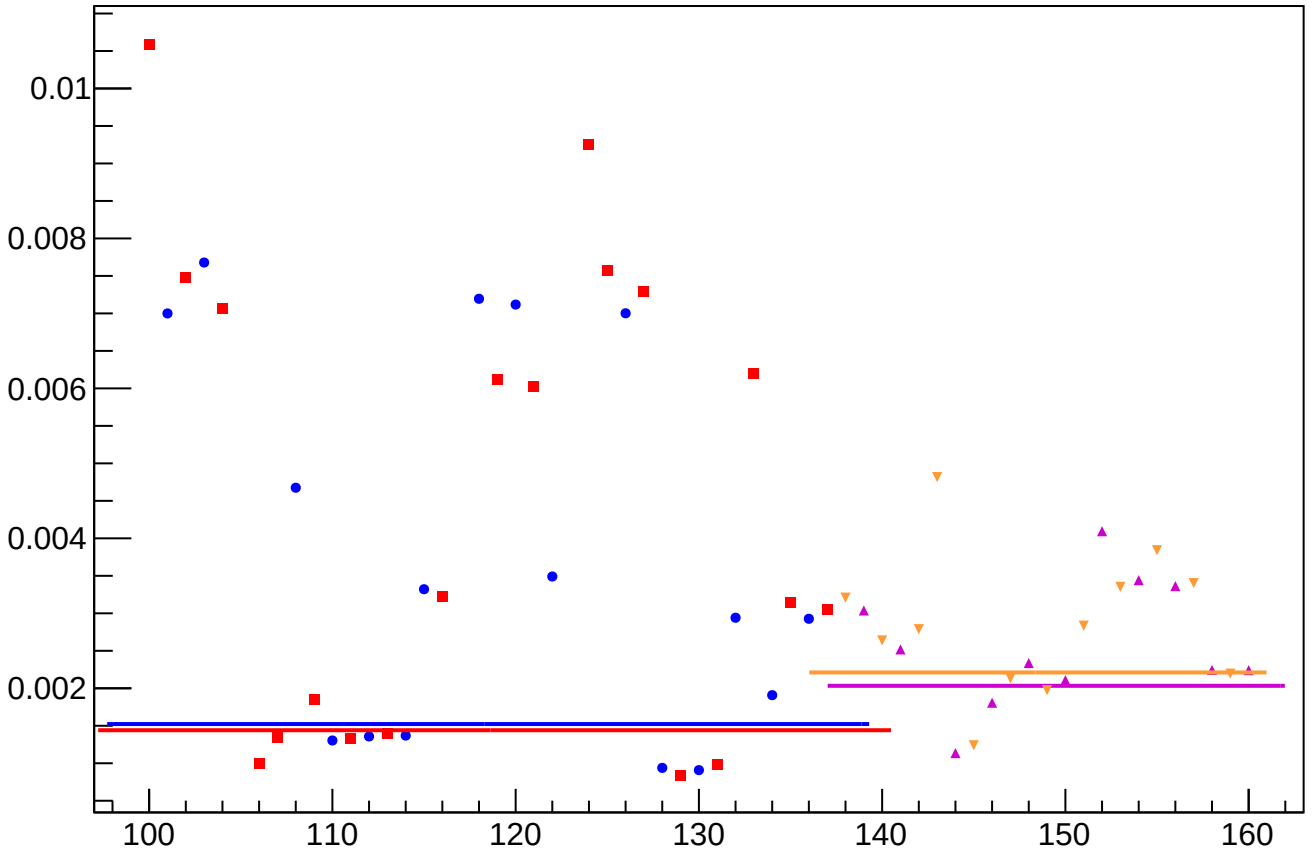
Left: 0.000+/-0.000 χ^2/NDF: 43.7/22

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/26

Out: -0.000+/-0.000 χ^2/NDF:53.6/30

All: -0.000+/-0.000 χ^2/NDF: 73.1/57



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:2228196.6/10

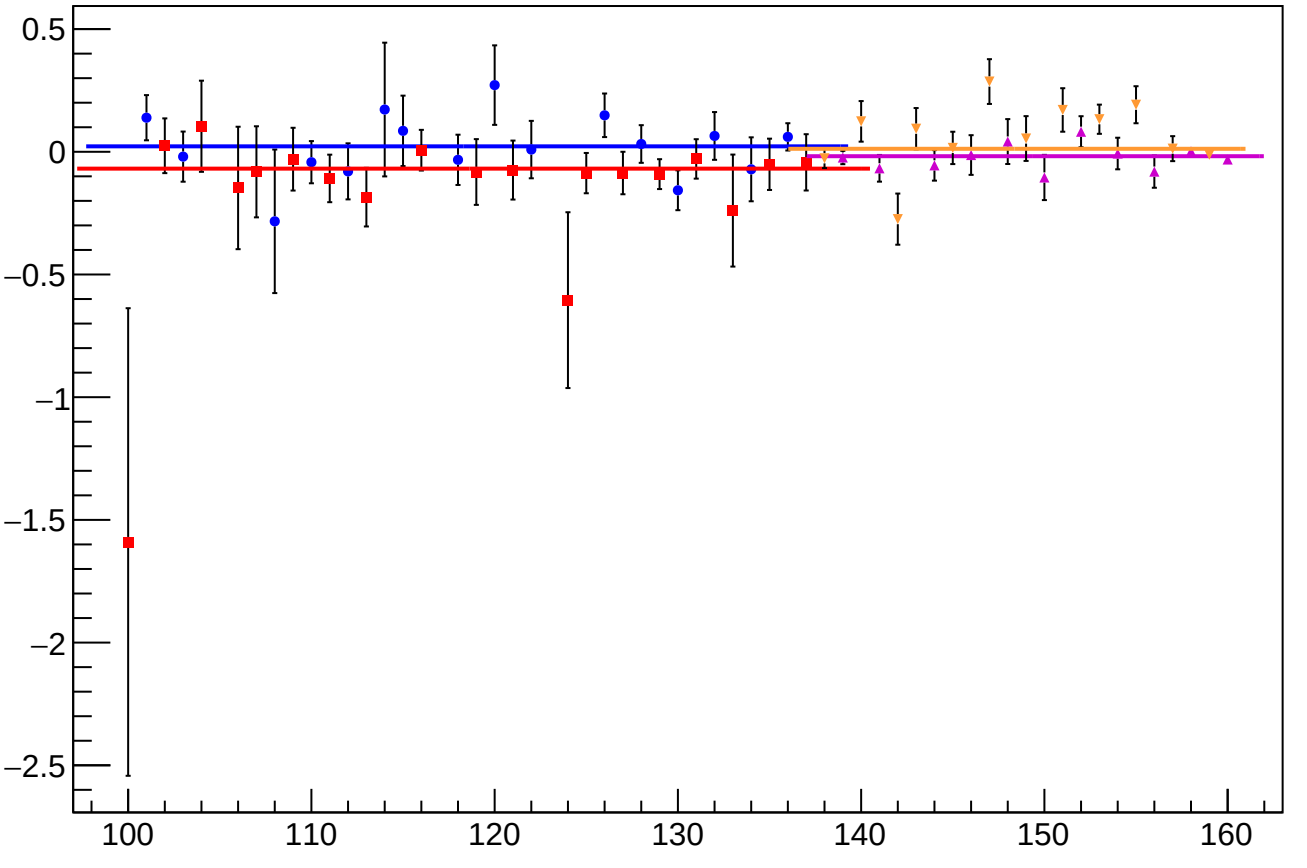
Left: 0.002+/-0.000 χ^2/NDF: 4741854.4/22

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:7905137.7/26

Out: 0.002+/-0.000 χ^2/NDF:9334477.1/30

All: 0.002+/-0.000 χ^2/NDF: 17239621.3/57



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: -0.018+/-0.010 χ^2/NDF:8.2/10

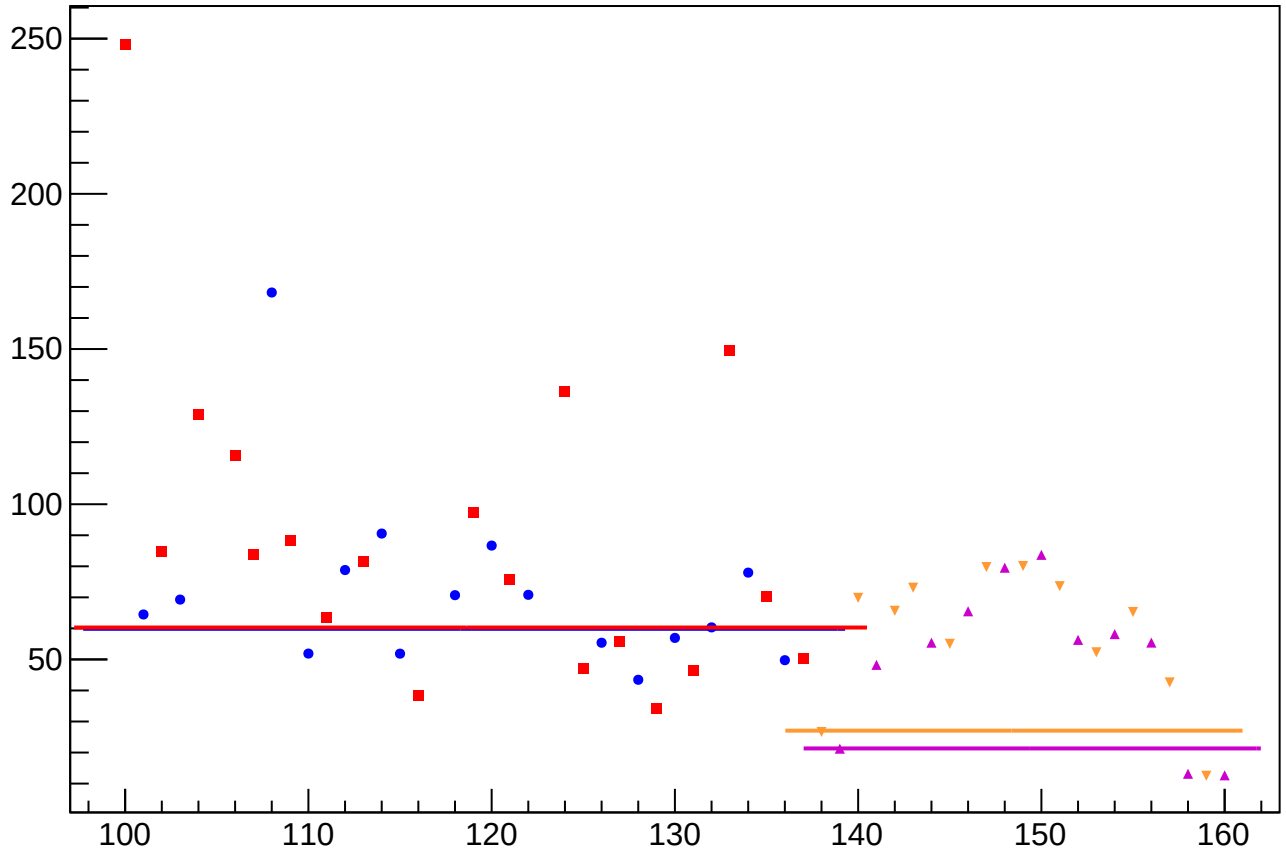
Left: -0.006+/-0.008 χ^2/NDF: 47.8/22

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.009+/-0.007 χ^2/NDF: 80.2/57



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: 21.323+/-0.007 χ^2/NDF:6303607.6/10

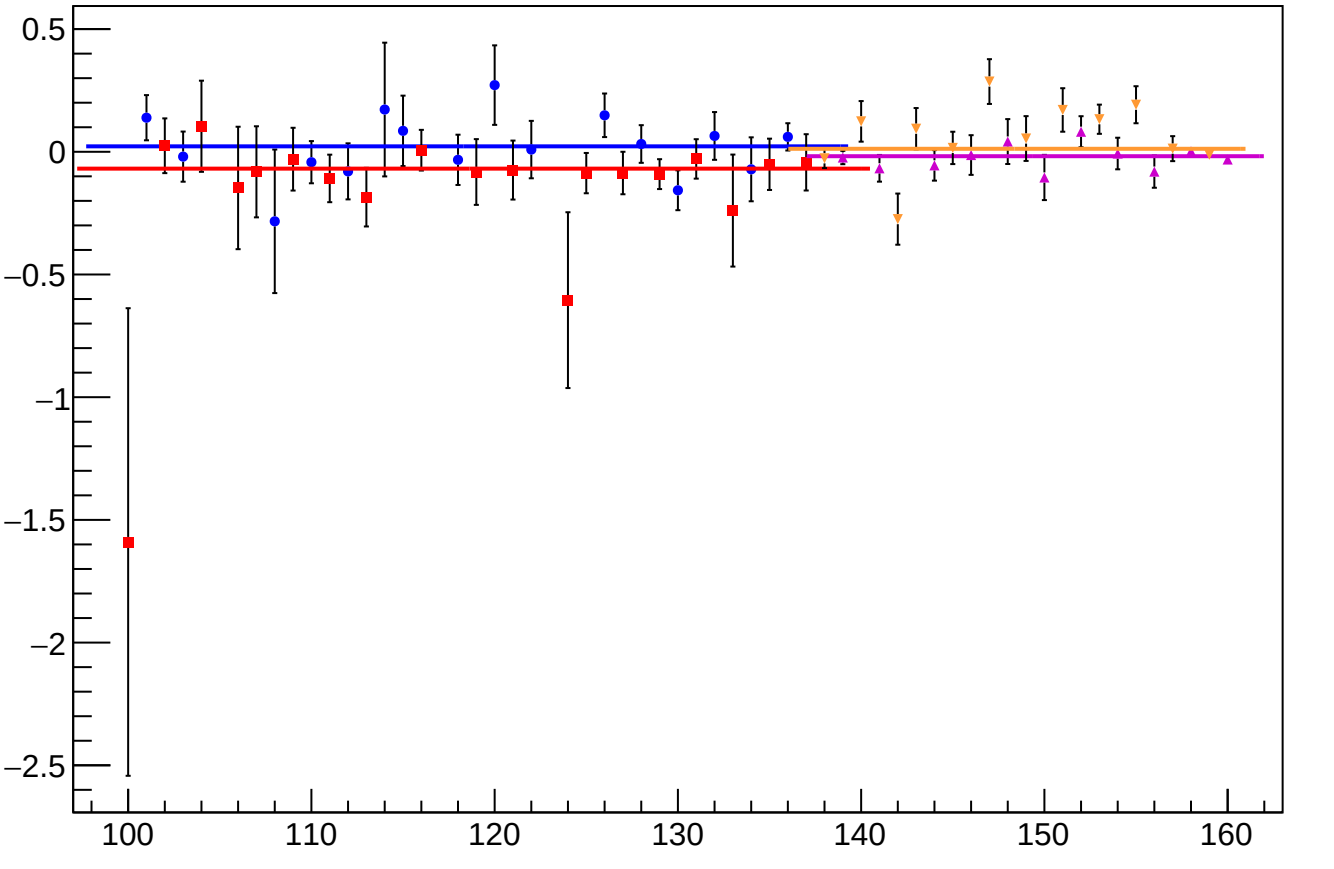
Left: 23.516+/-0.005 χ^2/NDF: 13065835.0/22

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.442+/-0.006 χ^2/NDF:11234925.9/26

Out: 33.392+/-0.008 χ^2/NDF:11265554.5/30

All: 29.214+/-0.005 χ^2/NDF: 22976986.5/57



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: -0.018+/-0.010 χ^2/NDF:8.2/10

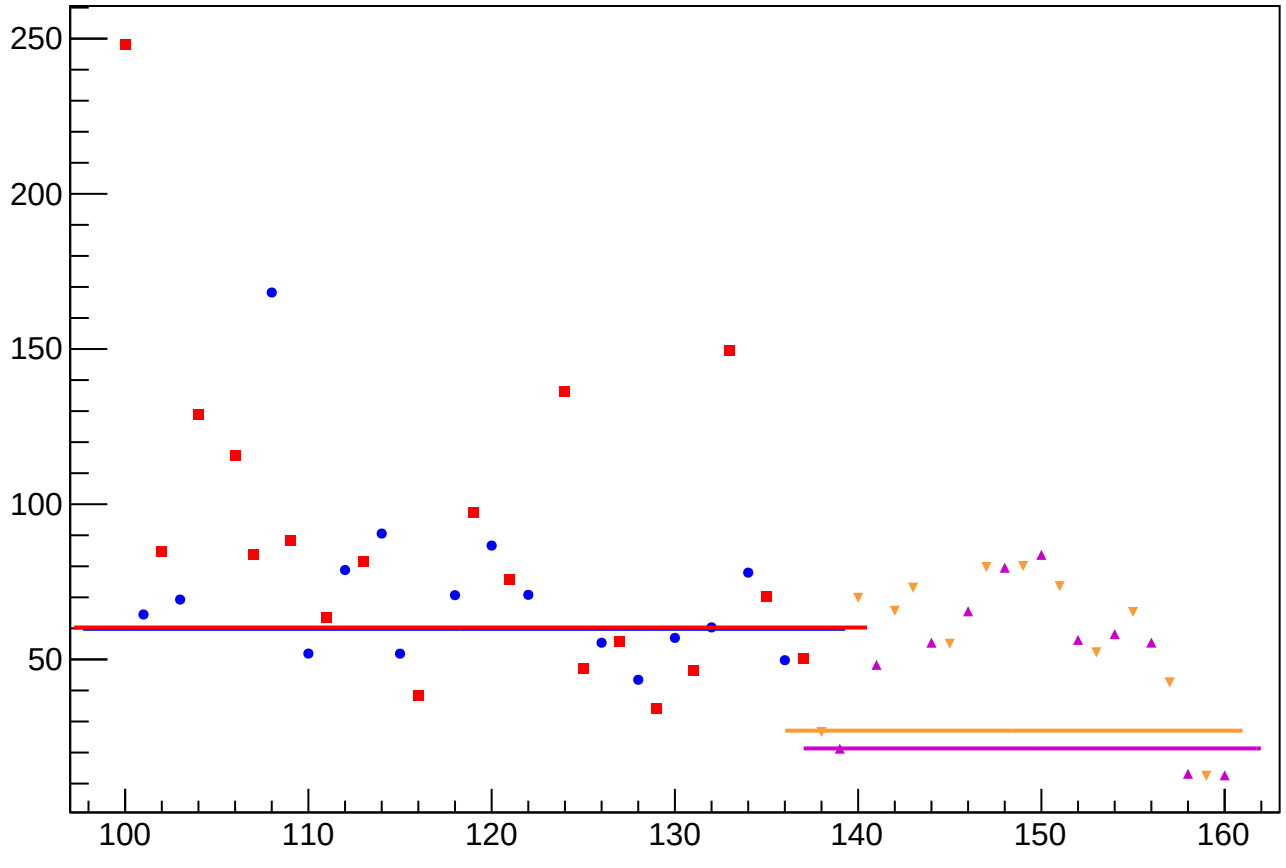
Left: -0.006+/-0.008 χ^2/NDF: 47.8/22

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: -0.003+/-0.011 χ^2/NDF:53.8/30

All: -0.009+/-0.007 χ^2/NDF: 80.2/57



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: 21.323+/-0.007 χ^2/NDF:6303607.6/10

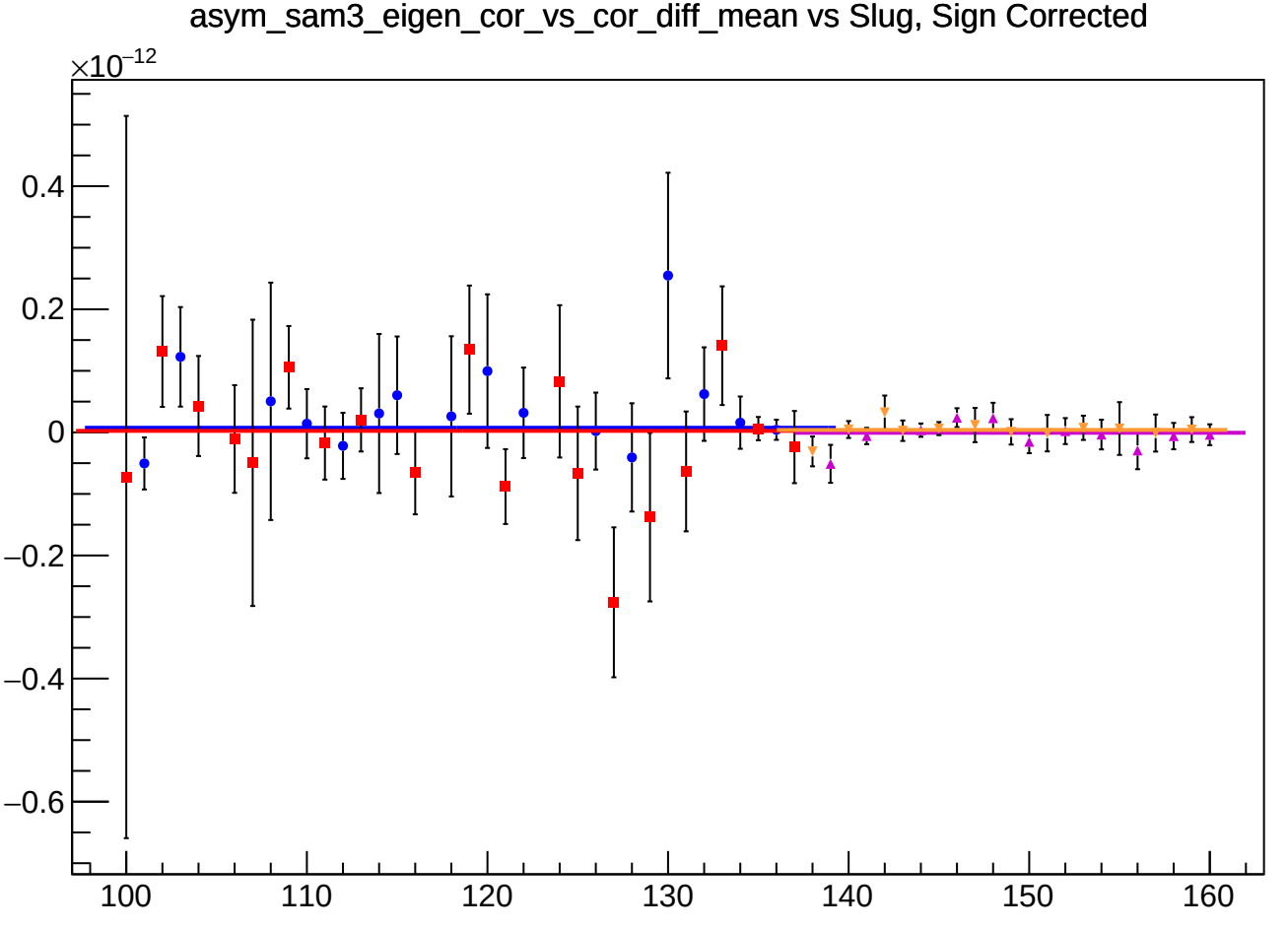
Left: 23.516+/-0.005 χ^2/NDF: 13065835.0/22

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.442+/-0.006 χ^2/NDF:11234925.9/26

Out: 33.392+/-0.008 χ^2/NDF:11265554.5/30

All: 29.214+/-0.005 χ^2/NDF: 22976986.5/57



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:8.1/10

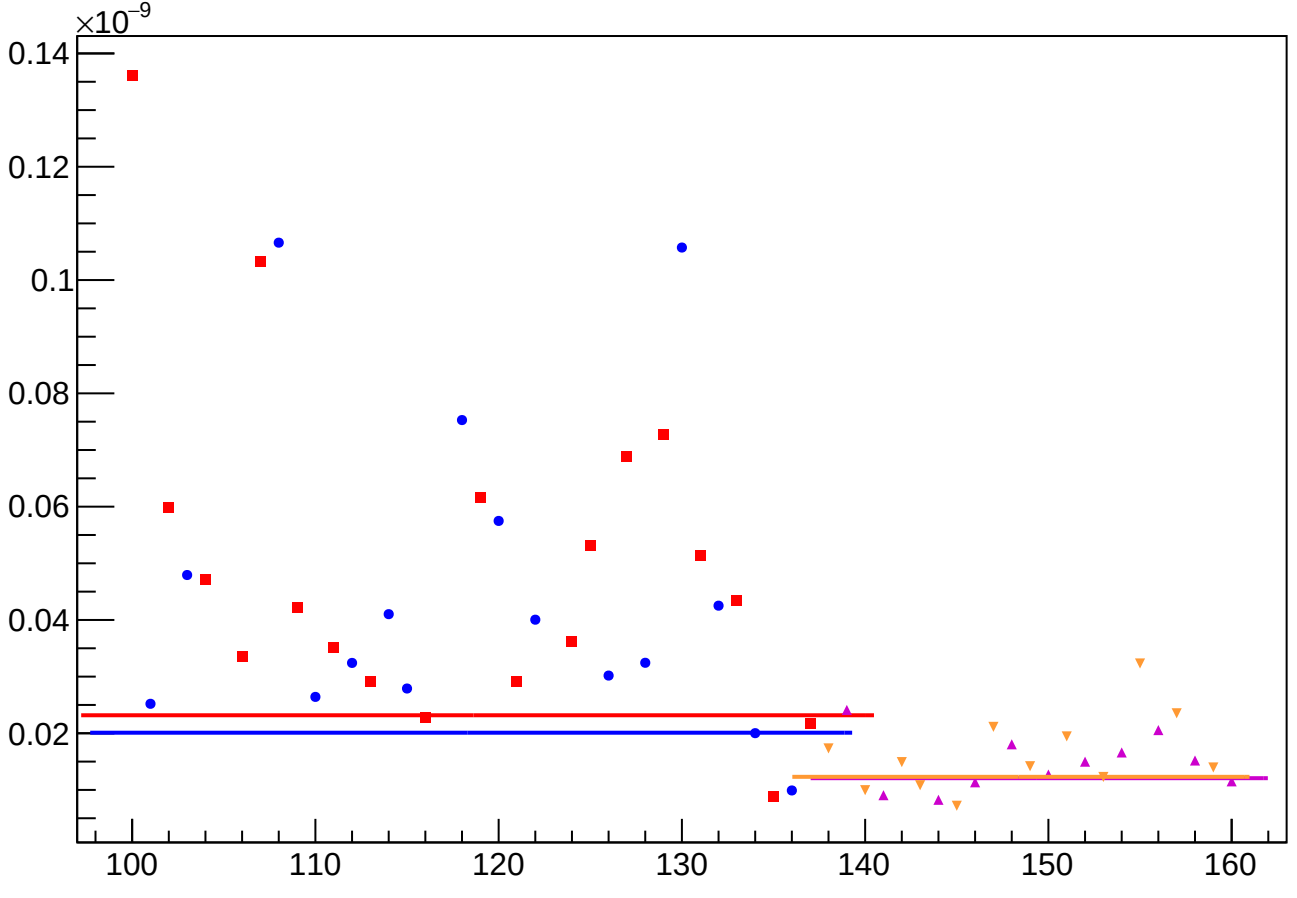
Left: 0.000+/-0.000 χ^2/NDF: 11.8/22

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:16.8/26

Out: 0.000+/-0.000 χ^2/NDF:23.1/30

All: 0.000+/-0.000 χ^2/NDF: 40.1/57



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:1084112.5/10

Left: 0.000+/-0.000 χ^2/NDF: 2787926.0/22

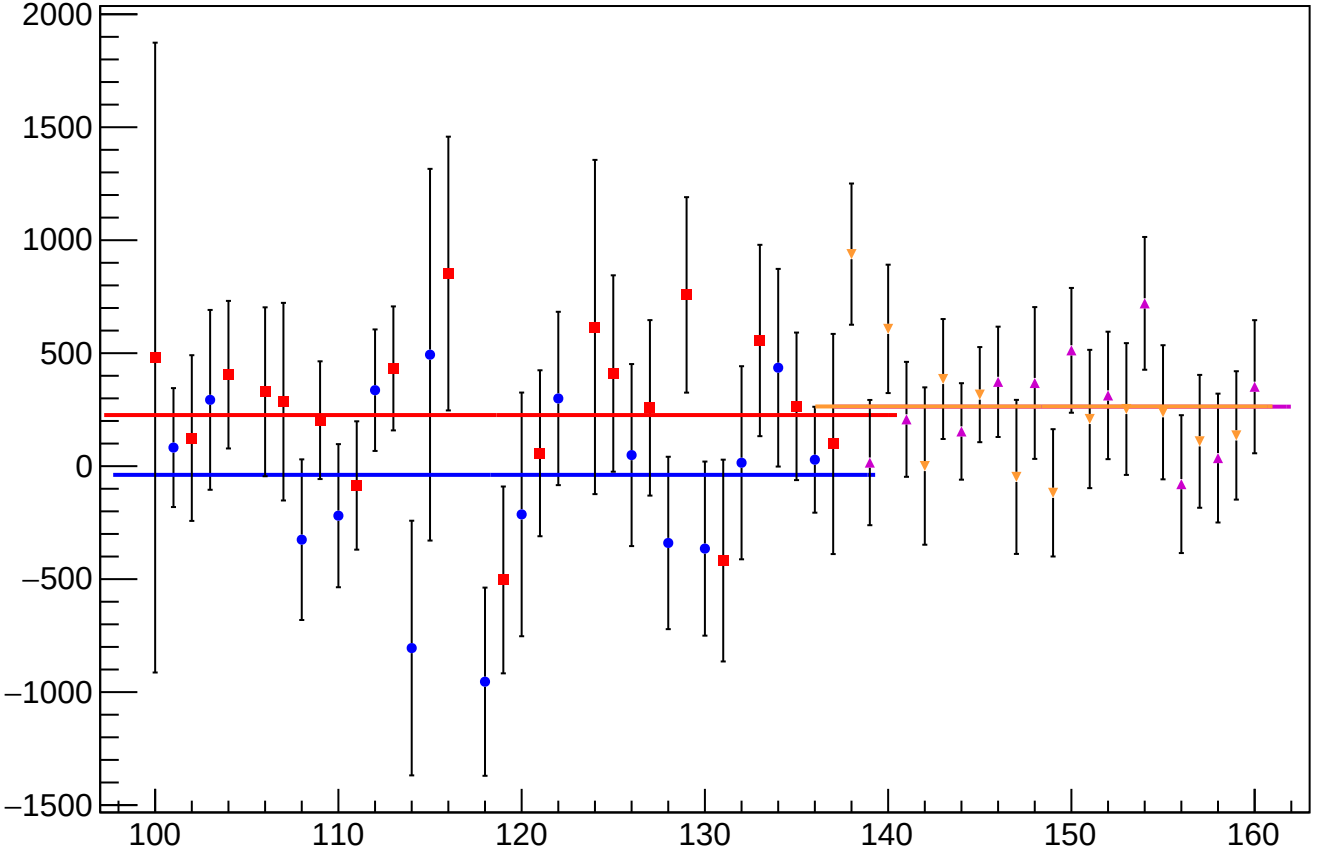
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4936334.1/26

Out: 0.000+/-0.000 χ^2/NDF:6336780.1/30

All: 0.000+/-0.000 χ^2/NDF: 11283060.8/57

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: 263.336+/-82.231 χ^2/NDF:6.7/10

Left: 263.775+/-58.274 χ^2/NDF: 16.8/22

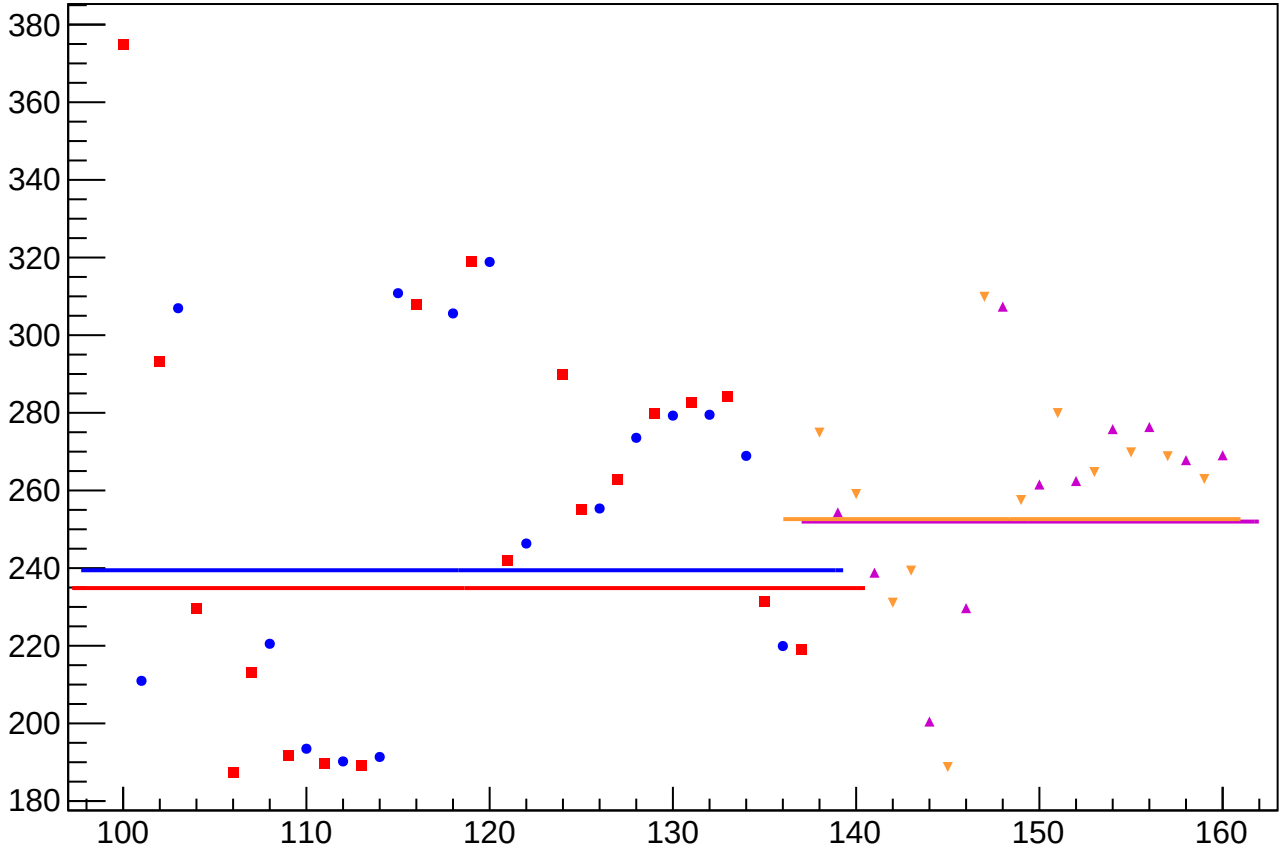
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 127.031+/-60.896 χ^2/NDF:27.2/26

Out: 246.378+/-60.194 χ^2/NDF:21.7/30

All: 187.396+/-42.810 χ^2/NDF: 50.8/57

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: 251.988+/-0.058 χ^2/NDF:236772.3/10

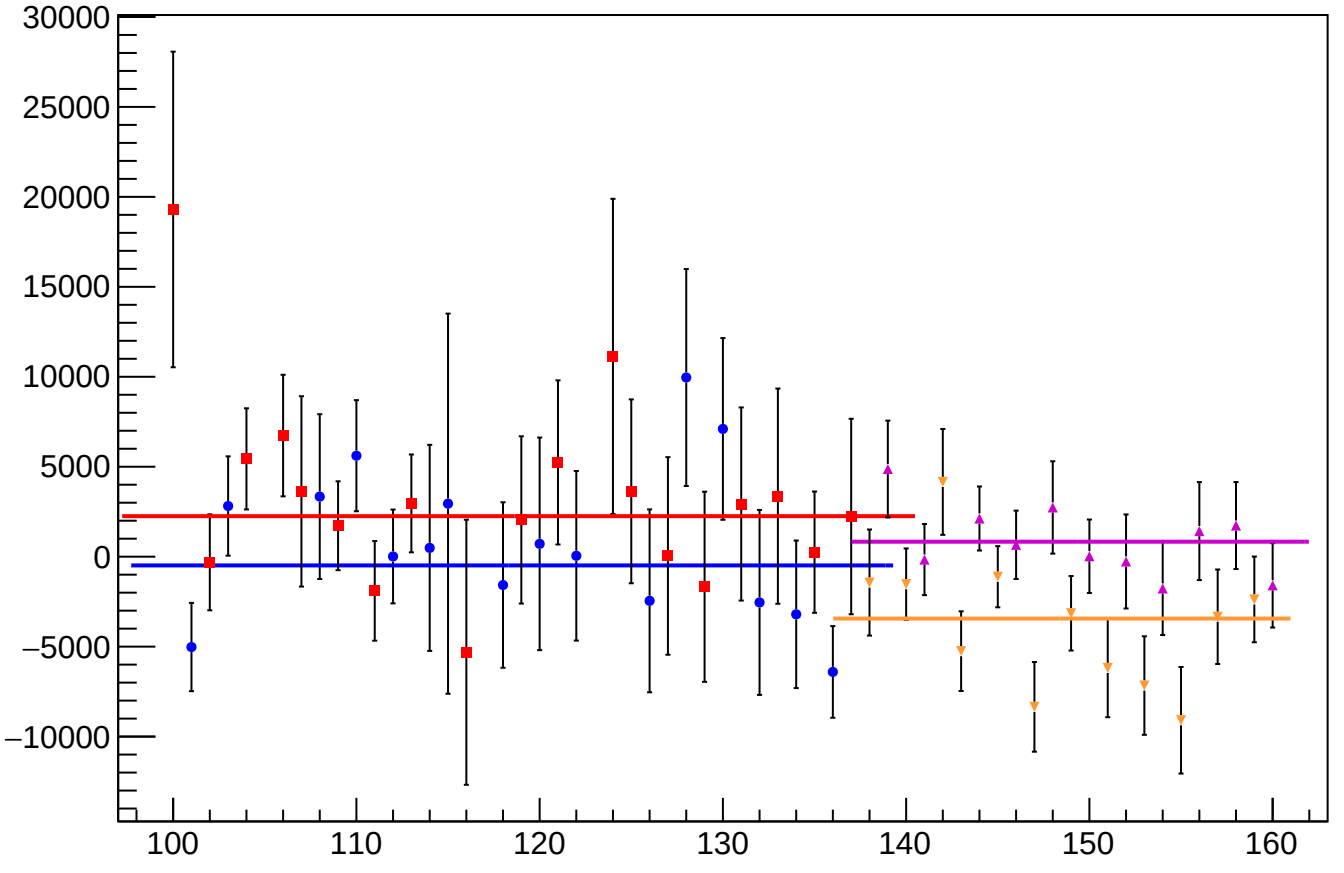
Left: 252.301+/-0.041 χ^2/NDF: 536671.6/22

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 246.325+/-0.043 χ^2/NDF:658727.3/26

Out: 244.288+/-0.043 χ^2/NDF:824922.9/30

All: 245.295+/-0.030 χ^2/NDF: 1484781.9/57



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: 833.159+/-680.031 χ^2/NDF:6.2/10

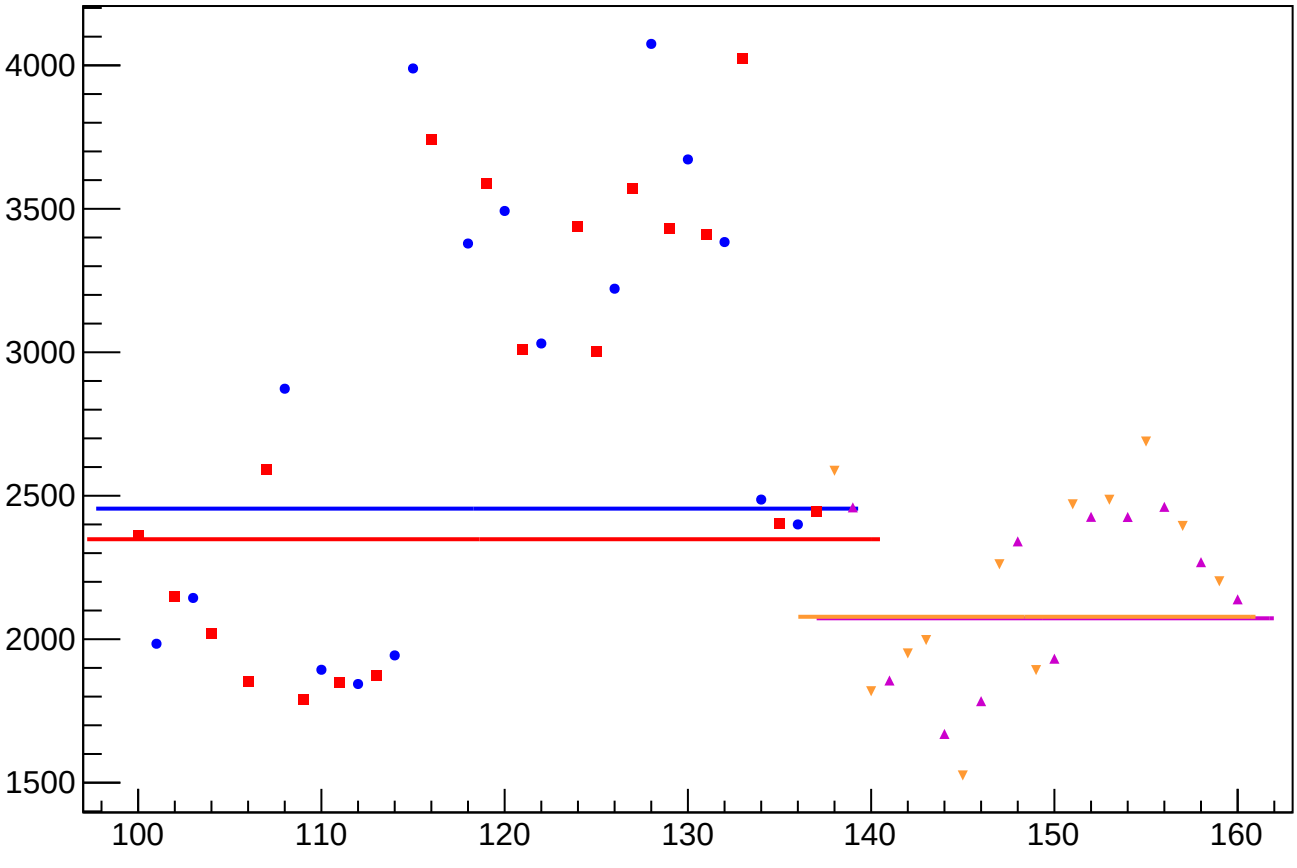
Left: -1286.902+/-482.633 χ^2/NDF: 47.0/22

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 384.667+/-552.460 χ^2/NDF:28.6/26

Out: -1333.763+/-543.821 χ^2/NDF:60.6/30

All: -488.089+/-387.558 χ^2/NDF: 94.1/57



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: 2072.882+/-0.481 χ^2/NDF:374716.3/10

Left: 2075.538+/-0.341 χ^2/NDF: 918468.8/22

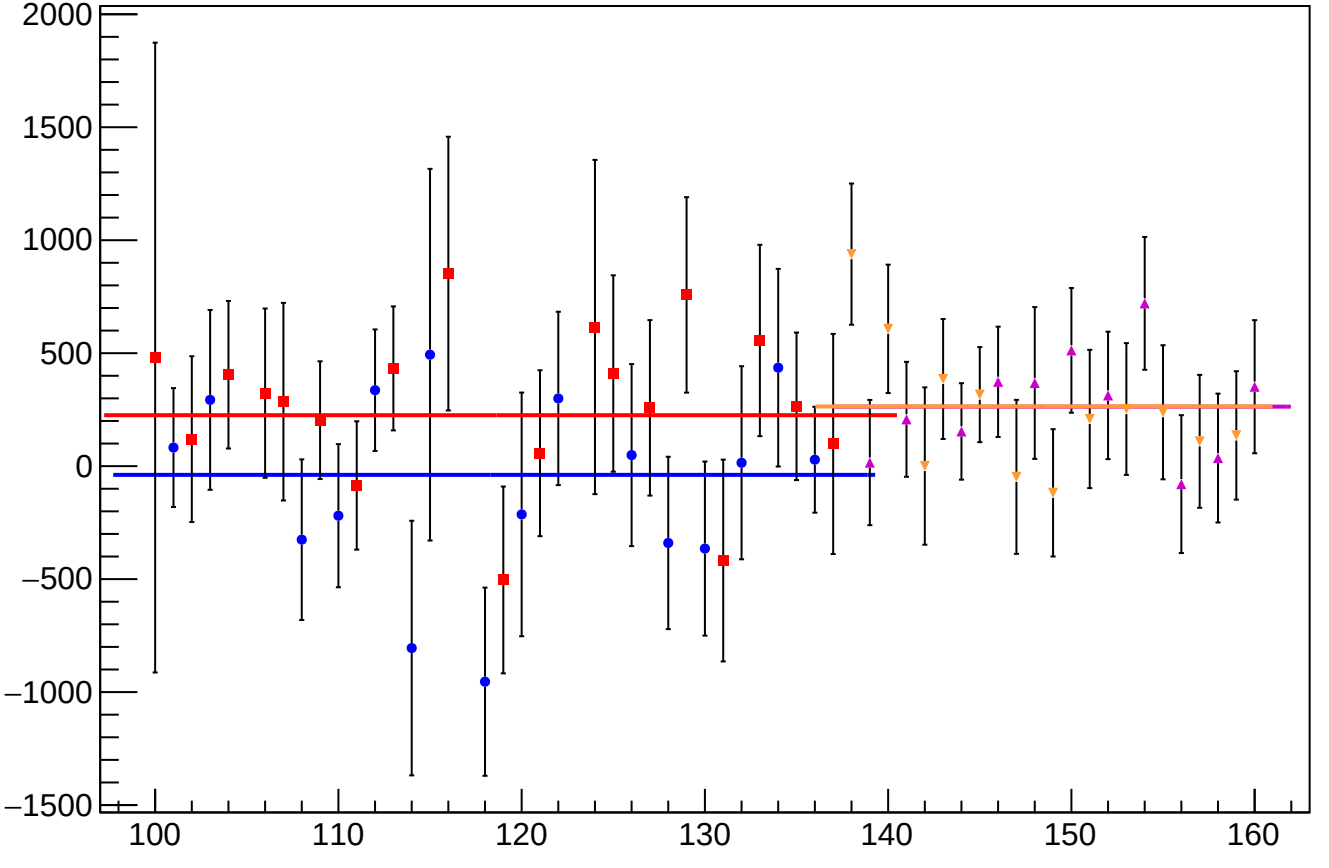
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2202.838+/-0.391 χ^2/NDF:1483928.9/26

Out: 2178.182+/-0.385 χ^2/NDF:1711197.7/30

All: 2190.315+/-0.274 χ^2/NDF: 3197149.8/57

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: 263.345+/-82.231 χ^2/NDF:6.7/10

Left: 263.782+/-58.274 χ^2/NDF: 16.8/22

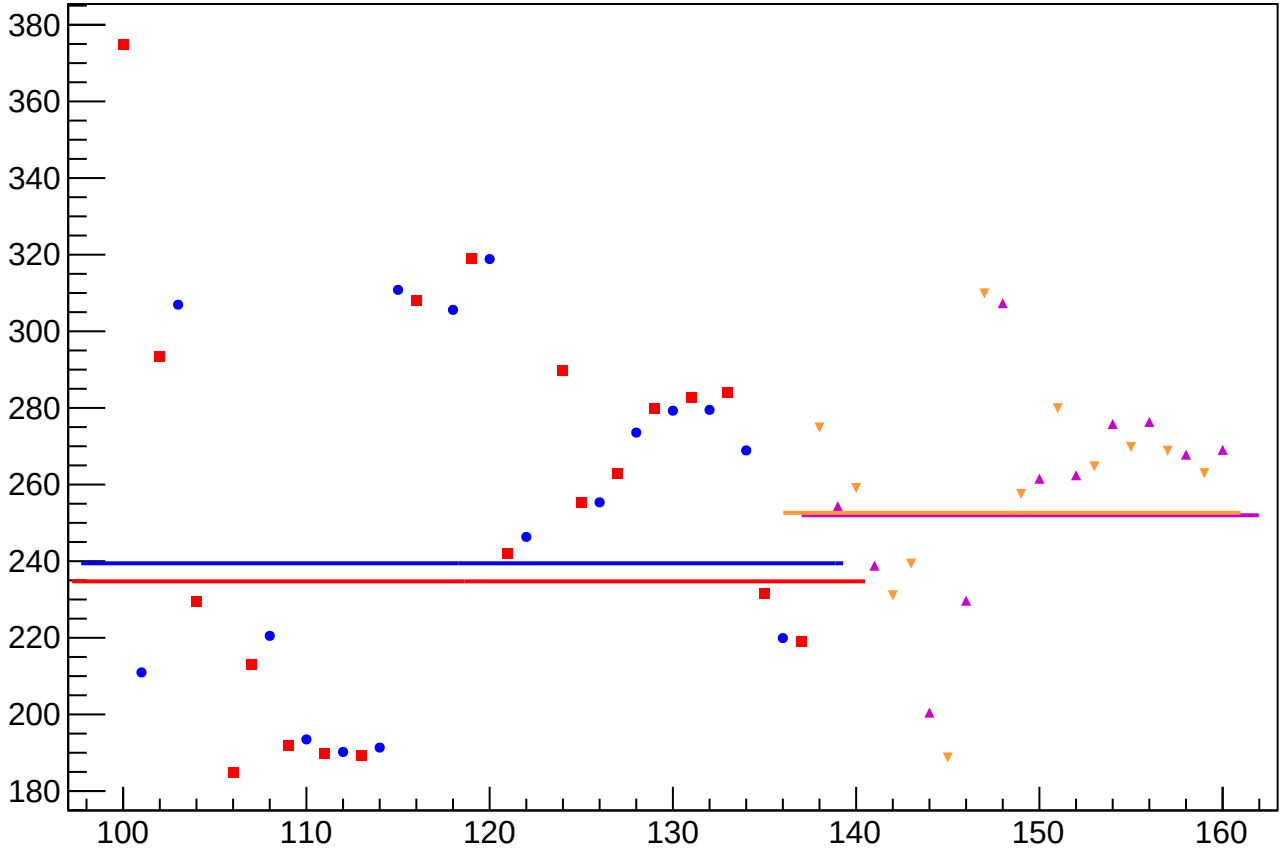
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 127.026+/-60.896 χ^2/NDF:27.2/26

Out: 246.076+/-60.198 χ^2/NDF:21.7/30

All: 187.237+/-42.811 χ^2/NDF: 50.8/57

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: 251.988+/-0.058 χ^2/NDF:236772.4/10

Left: 252.301+/-0.041 χ^2/NDF: 536671.6/22

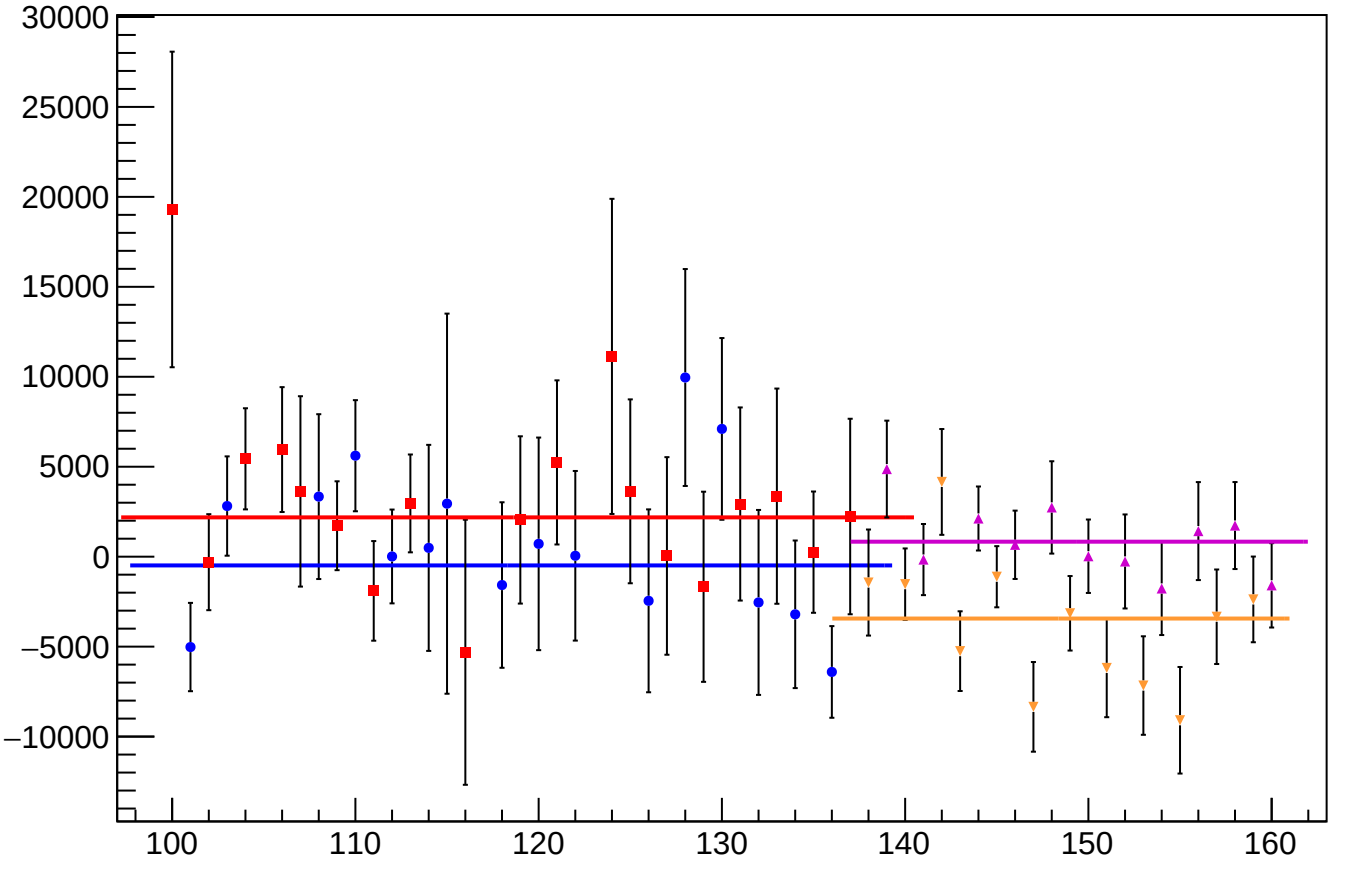
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 246.325+/-0.043 χ^2/NDF:658729.5/26

Out: 244.233+/-0.043 χ^2/NDF:829035.1/30

All: 245.267+/-0.030 χ^2/NDF: 1488959.0/57

asym_sam4_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: 833.179+/-680.031 χ^2/NDF:6.2/10

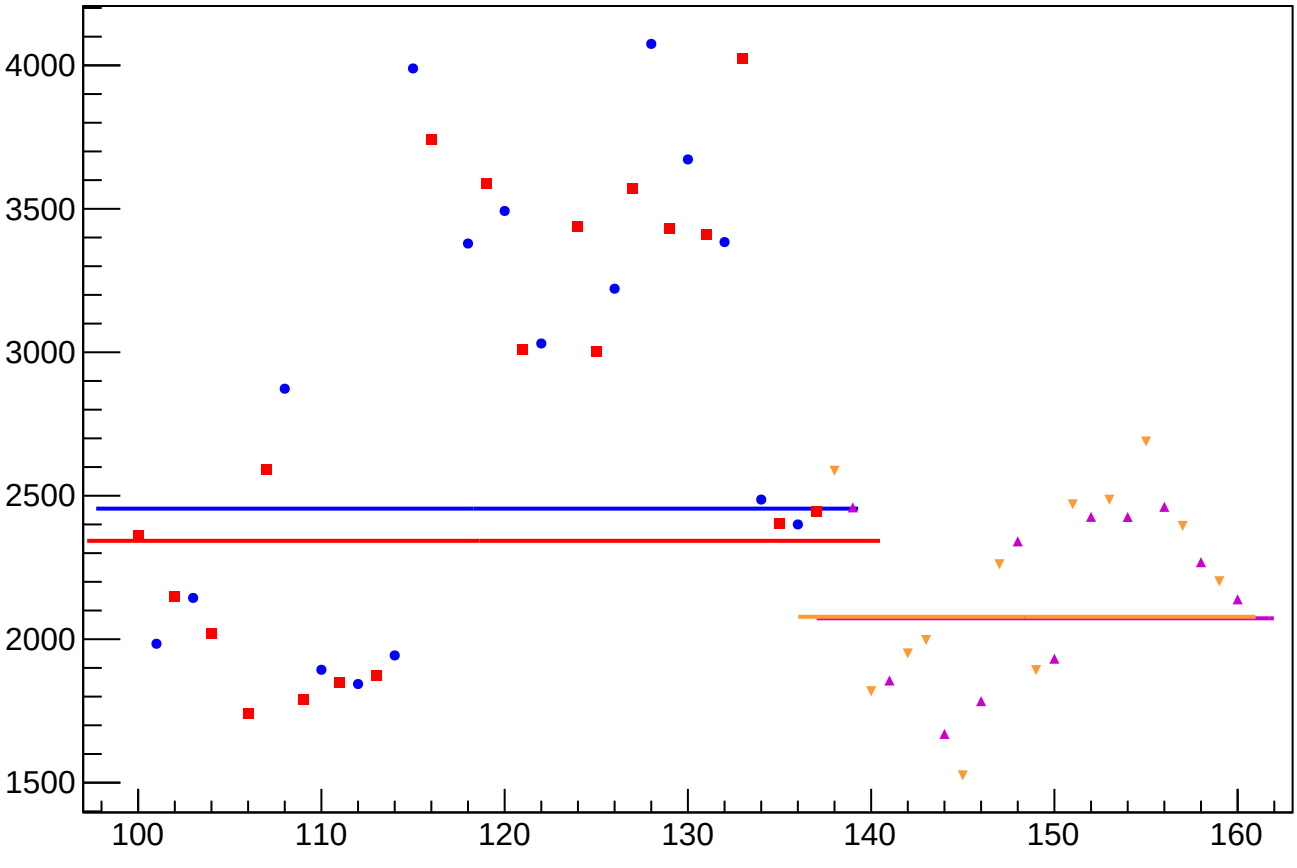
Left: -1286.891+/-482.633 χ^2/NDF: 47.0/22

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 384.627+/-552.461 χ^2/NDF:28.6/26

Out: -1363.518+/-544.201 χ^2/NDF:59.3/30

All: -502.613+/-387.695 χ^2/NDF: 93.0/57



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: 2072.883+/-0.481 χ^2/NDF:374713.7/10

Left: 2075.538+/-0.341 χ^2/NDF: 918468.6/22

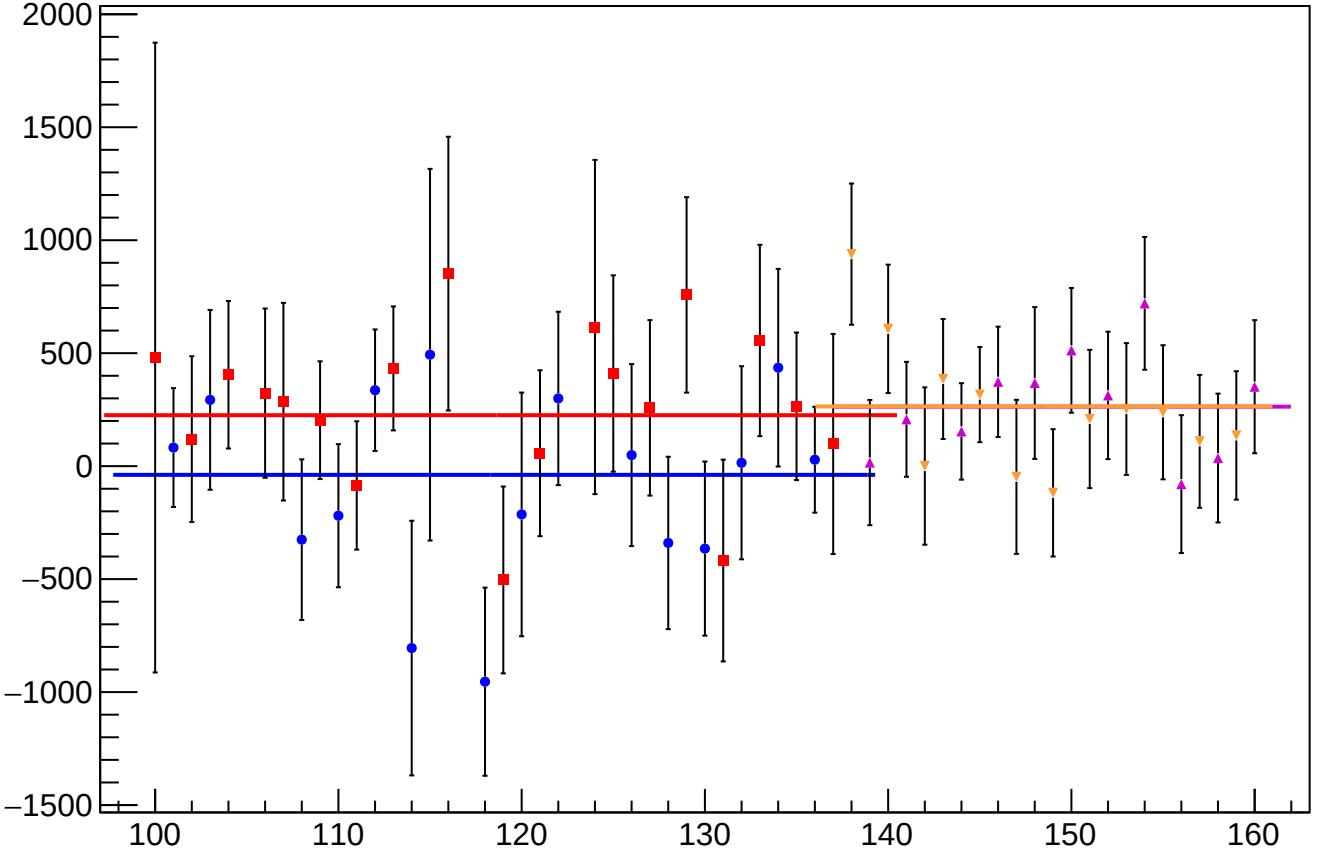
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2202.845+/-0.391 χ^2/NDF:1483919.4/26

Out: 2175.917+/-0.385 χ^2/NDF:1724274.1/30

All: 2189.178+/-0.274 χ^2/NDF: 3210605.0/57

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: 263.345+/-82.231 χ^2/NDF:6.7/10

Left: 263.782+/-58.274 χ^2/NDF: 16.8/22

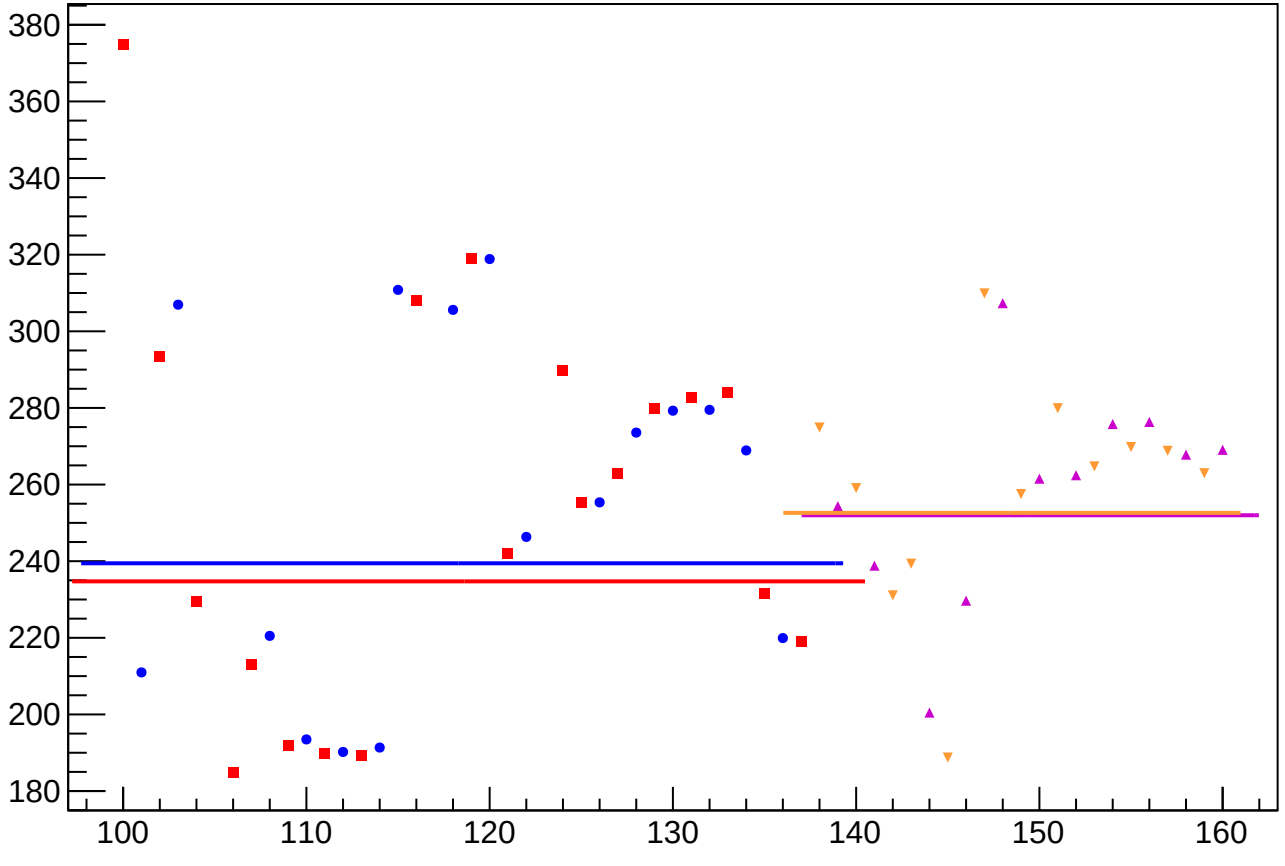
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 127.026+/-60.896 χ^2/NDF:27.2/26

Out: 246.076+/-60.198 χ^2/NDF:21.7/30

All: 187.237+/-42.811 χ^2/NDF: 50.8/57

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: 251.988+/-0.058 χ^2/NDF:236772.4/10

Left: 252.301+/-0.041 χ^2/NDF: 536671.6/22

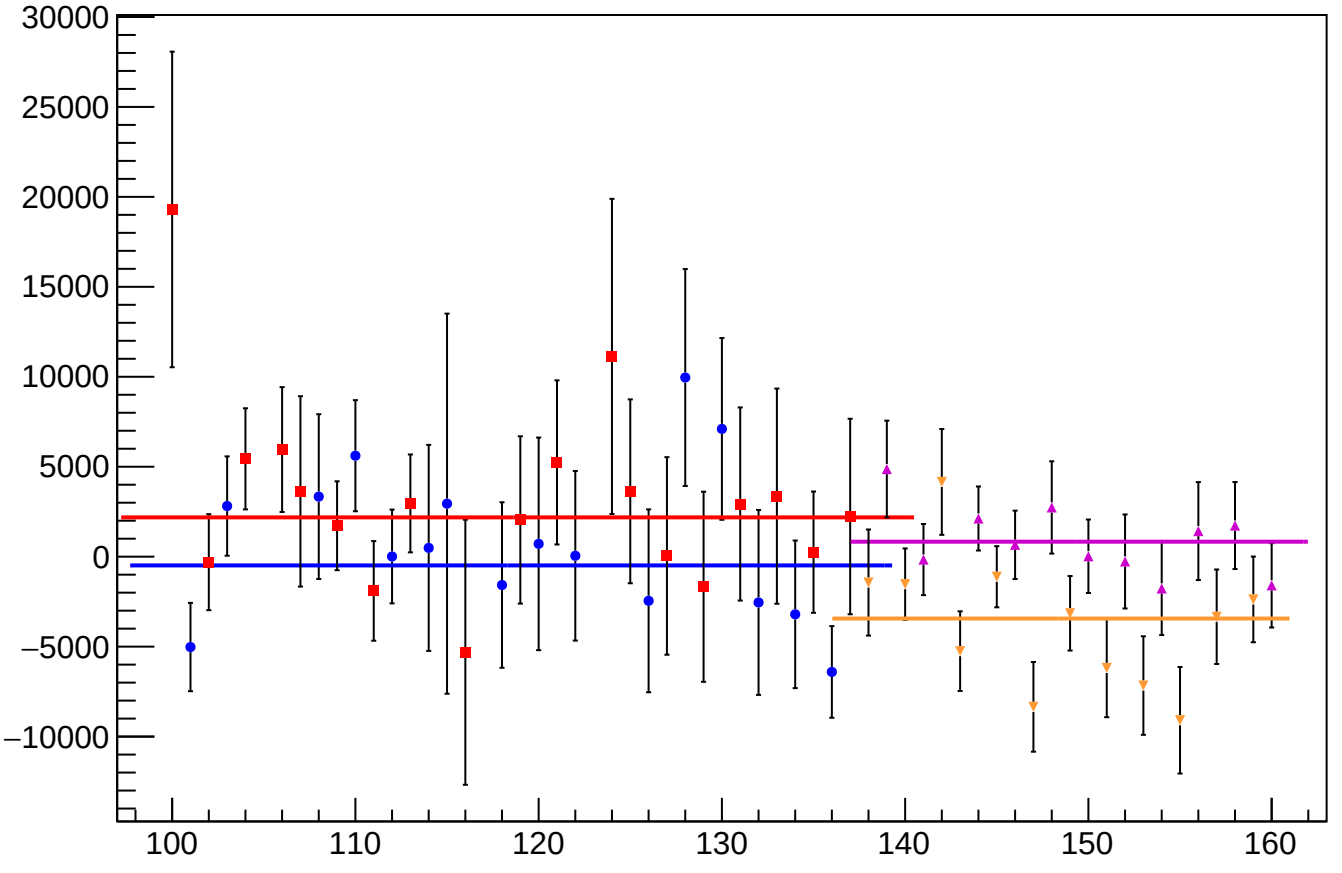
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 246.325+/-0.043 χ^2/NDF:658729.5/26

Out: 244.233+/-0.043 χ^2/NDF:829035.1/30

All: 245.267+/-0.030 χ^2/NDF: 1488959.0/57

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: 833.179+/-680.031 χ^2/NDF:6.2/10

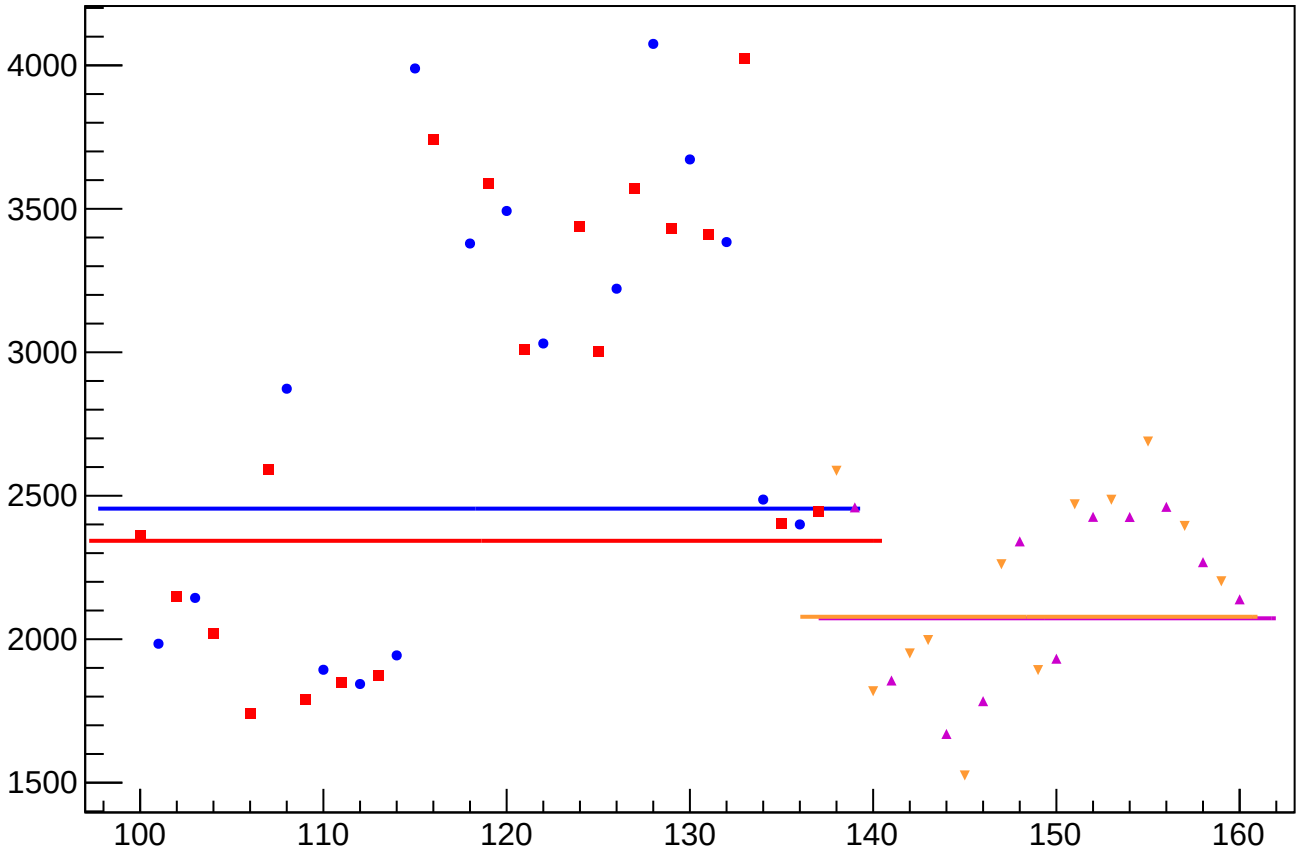
Left: -1286.891+/-482.633 χ^2/NDF: 47.0/22

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 384.627+/-552.461 χ^2/NDF:28.6/26

Out: -1363.518+/-544.201 χ^2/NDF:59.3/30

All: -502.613+/-387.695 χ^2/NDF: 93.0/57



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: 2072.883+/-0.481 χ^2/NDF:374713.7/10

Left: 2075.538+/-0.341 χ^2/NDF: 918468.6/22

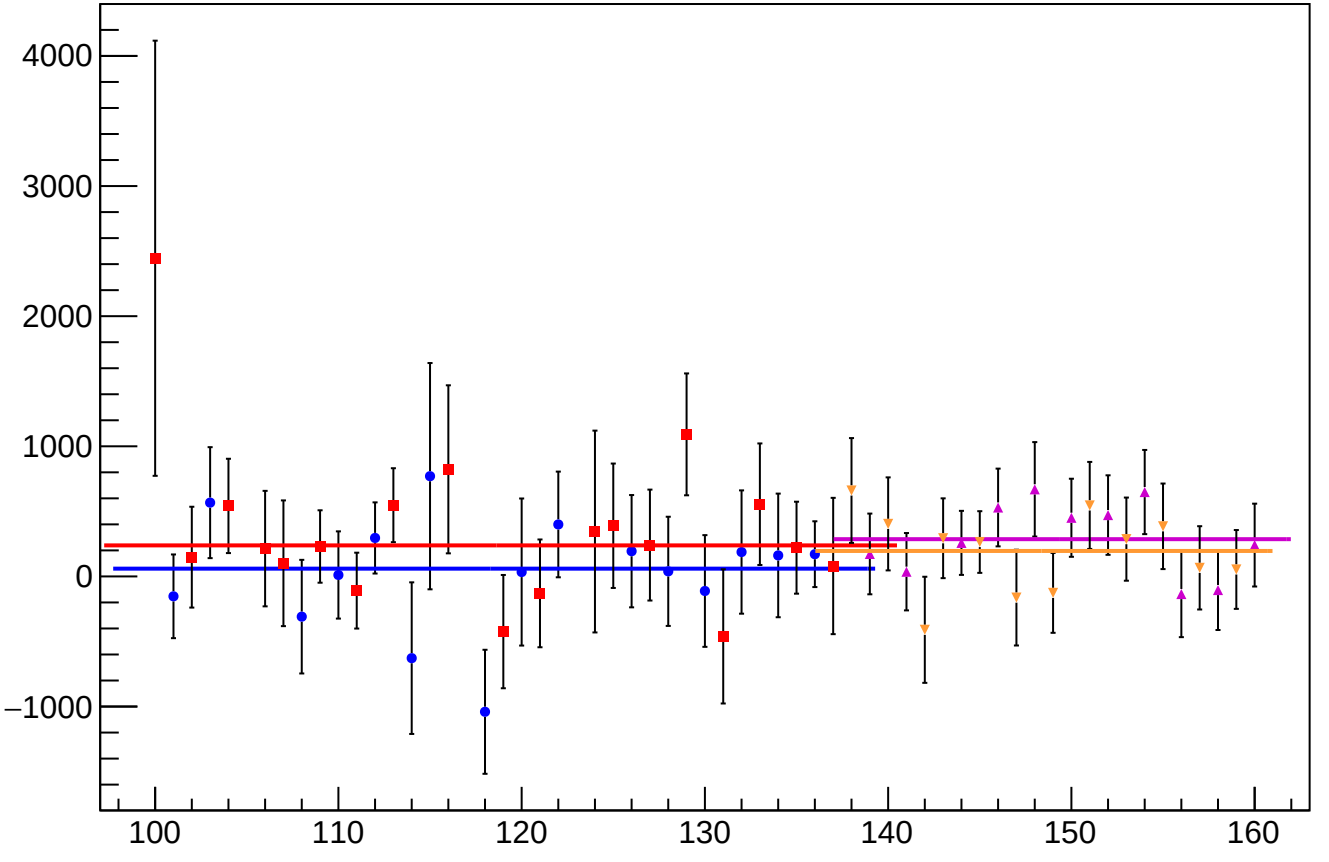
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2202.845+/-0.391 χ^2/NDF:1483919.4/26

Out: 2175.917+/-0.385 χ^2/NDF:1724274.1/30

All: 2189.178+/-0.274 χ^2/NDF: 3210605.0/57

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: 286.276+/-92.069 χ^2/NDF:7.8/10

Left: 241.541+/-65.502 χ^2/NDF: 16.3/22

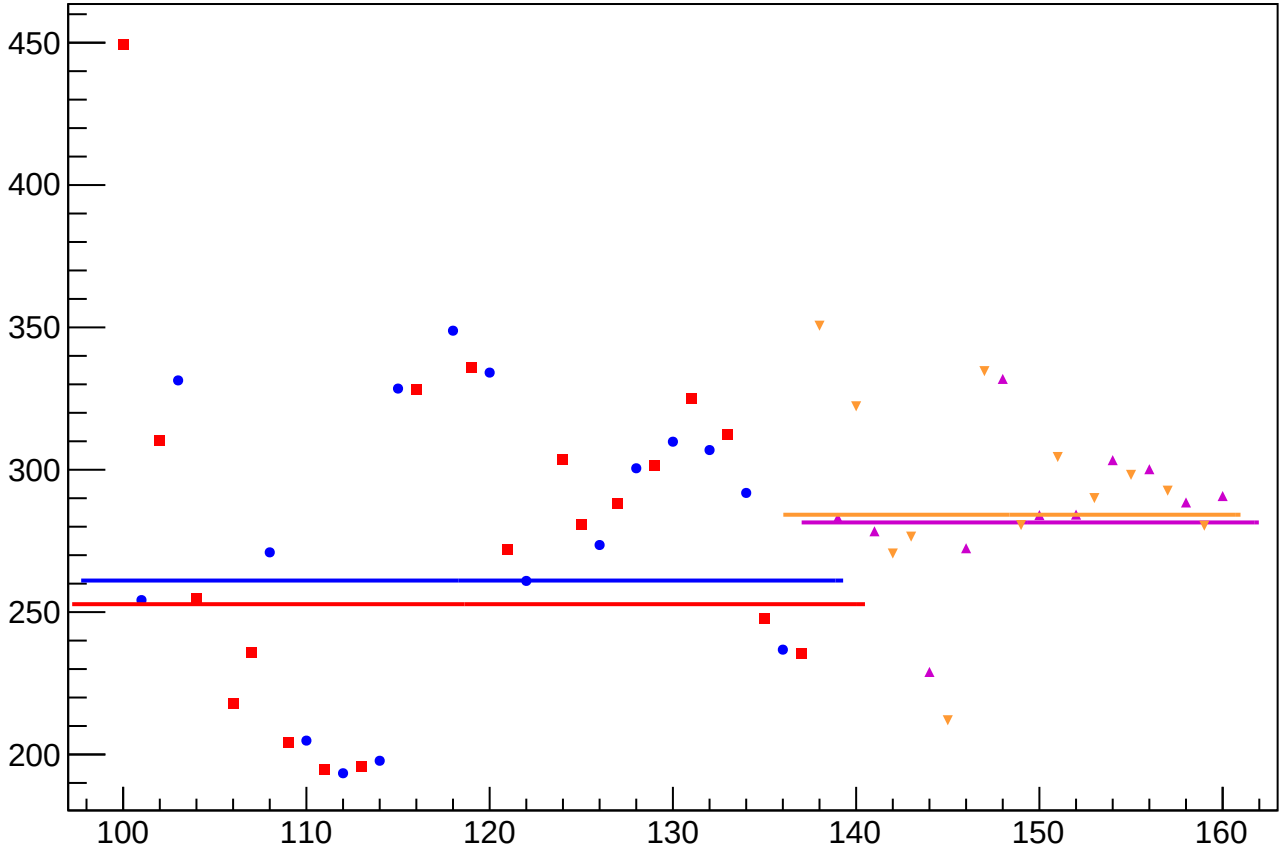
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 181.470+/-67.492 χ^2/NDF:22.6/26

Out: 216.682+/-66.554 χ^2/NDF:23.1/30

All: 199.322+/-47.389 χ^2/NDF: 45.8/57

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: 281.496+/-0.065 χ^2/NDF:150339.5/10

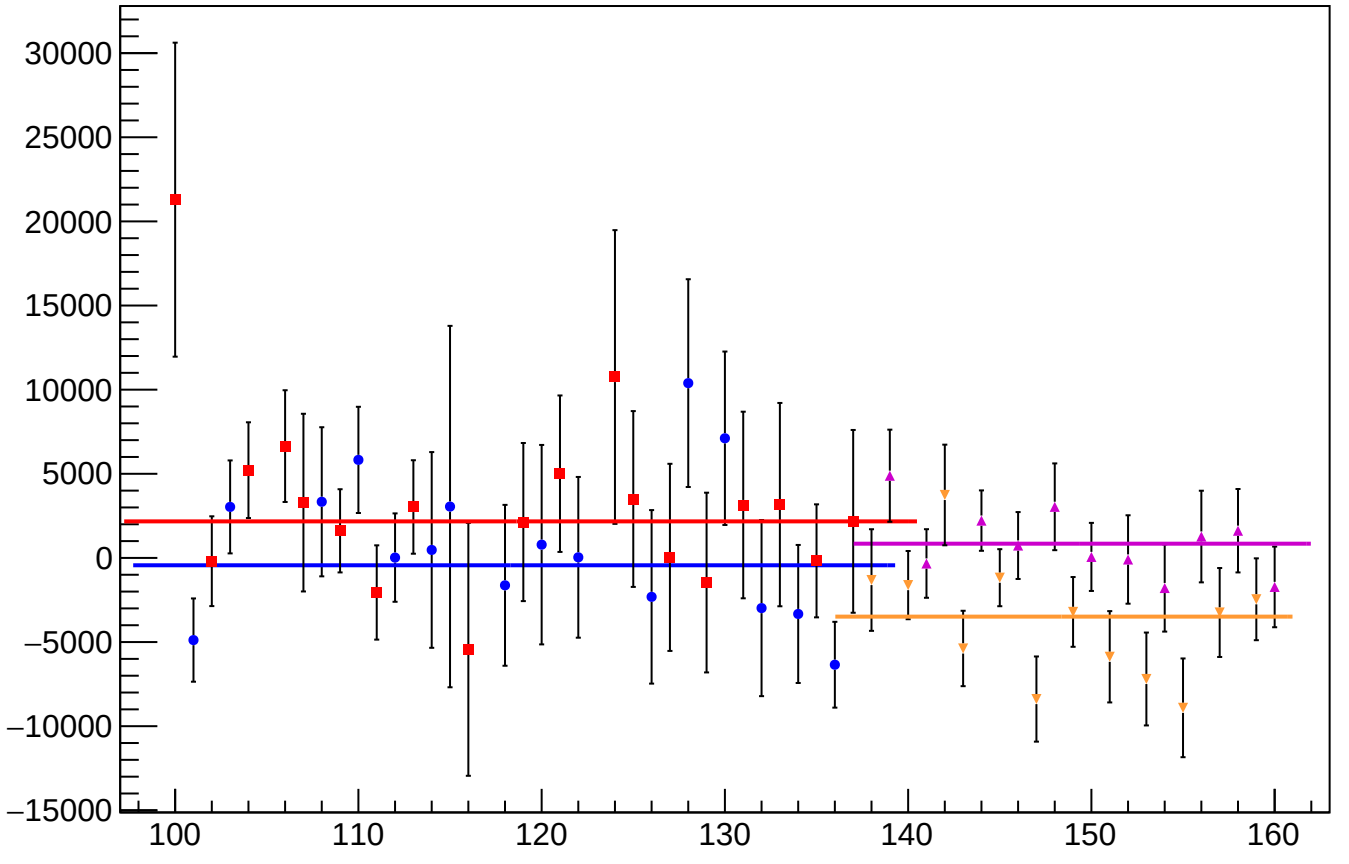
Left: 282.834+/-0.046 χ^2/NDF: 468573.8/22

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 272.055+/-0.048 χ^2/NDF:658457.9/26

Out: 268.805+/-0.047 χ^2/NDF:966045.7/30

All: 270.407+/-0.034 χ^2/NDF: 1626855.1/57



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: 846.127+/-690.423 χ^2/NDF:6.4/10

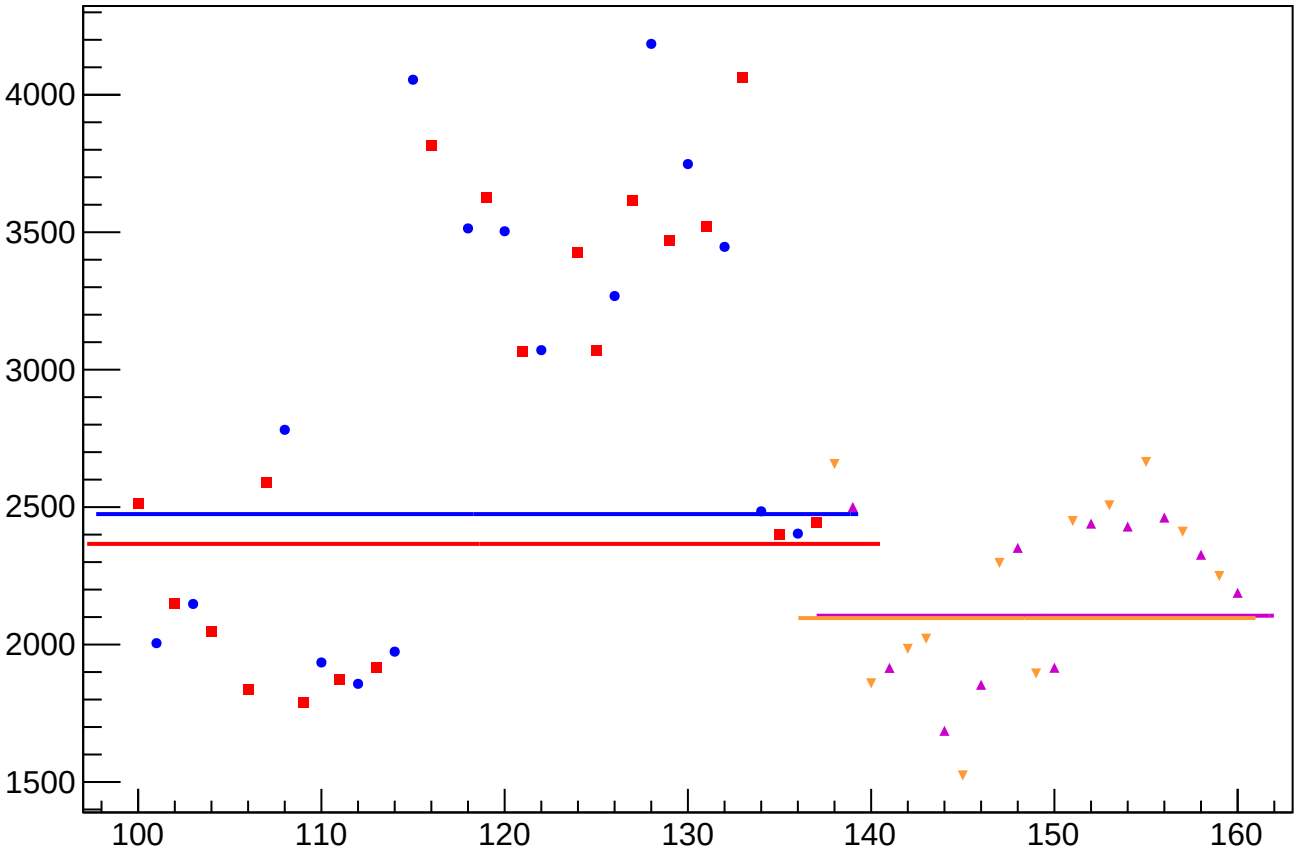
Left: -1320.338+/-488.298 χ^2/NDF: 45.8/22

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 405.857+/-559.544 χ^2/NDF:28.8/26

Out: -1393.589+/-548.183 χ^2/NDF:58.6/30

All: -512.319+/-391.579 χ^2/NDF: 92.7/57



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: 2105.008+/-0.488 χ^2/NDF:352494.3/10

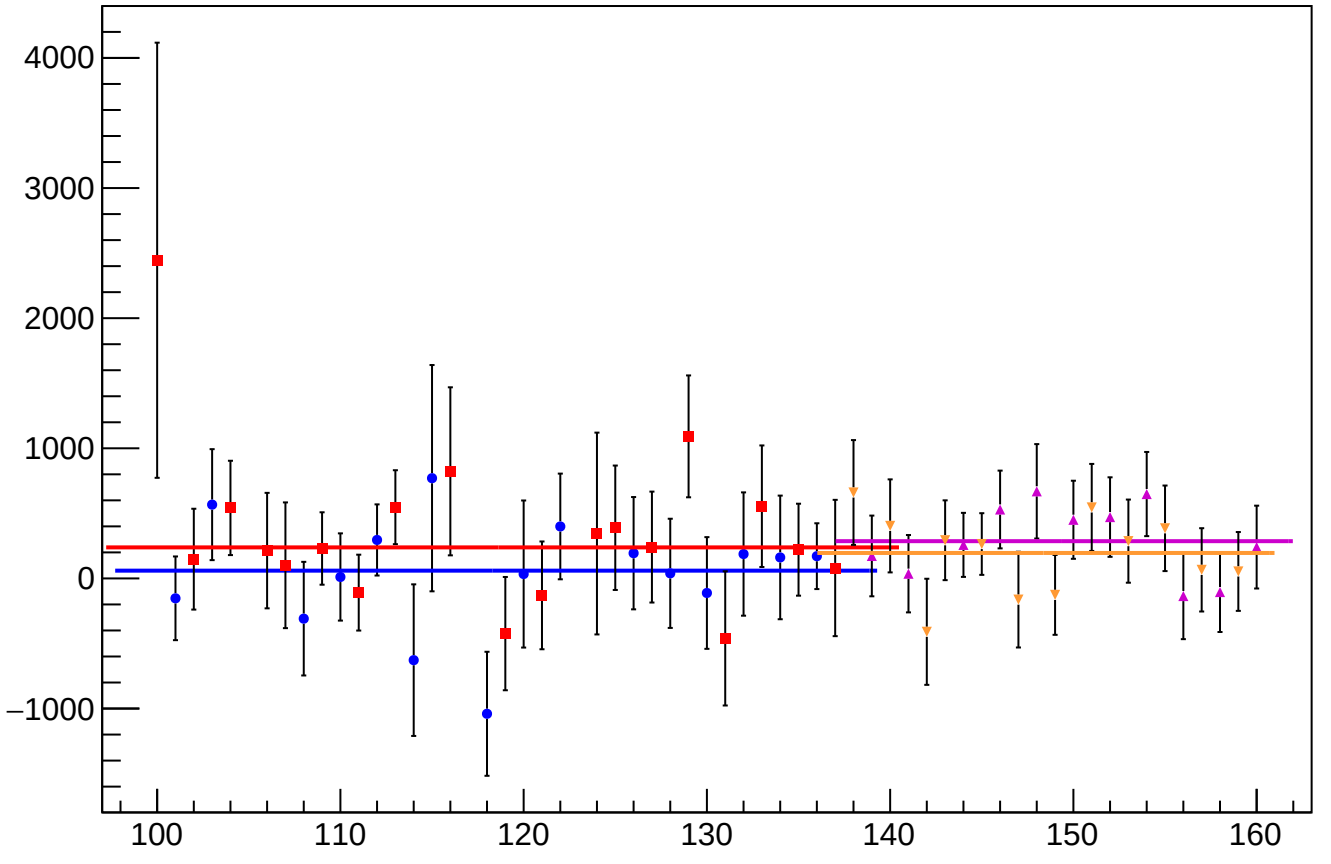
Left: 2100.650+/-0.345 χ^2/NDF: 902641.6/22

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2231.857+/-0.396 χ^2/NDF:1465459.6/26

Out: 2196.188+/-0.388 χ^2/NDF:1740213.3/30

All: 2213.656+/-0.277 χ^2/NDF: 3209820.0/57



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: 286.278+/-92.069 χ^2/NDF:7.8/10

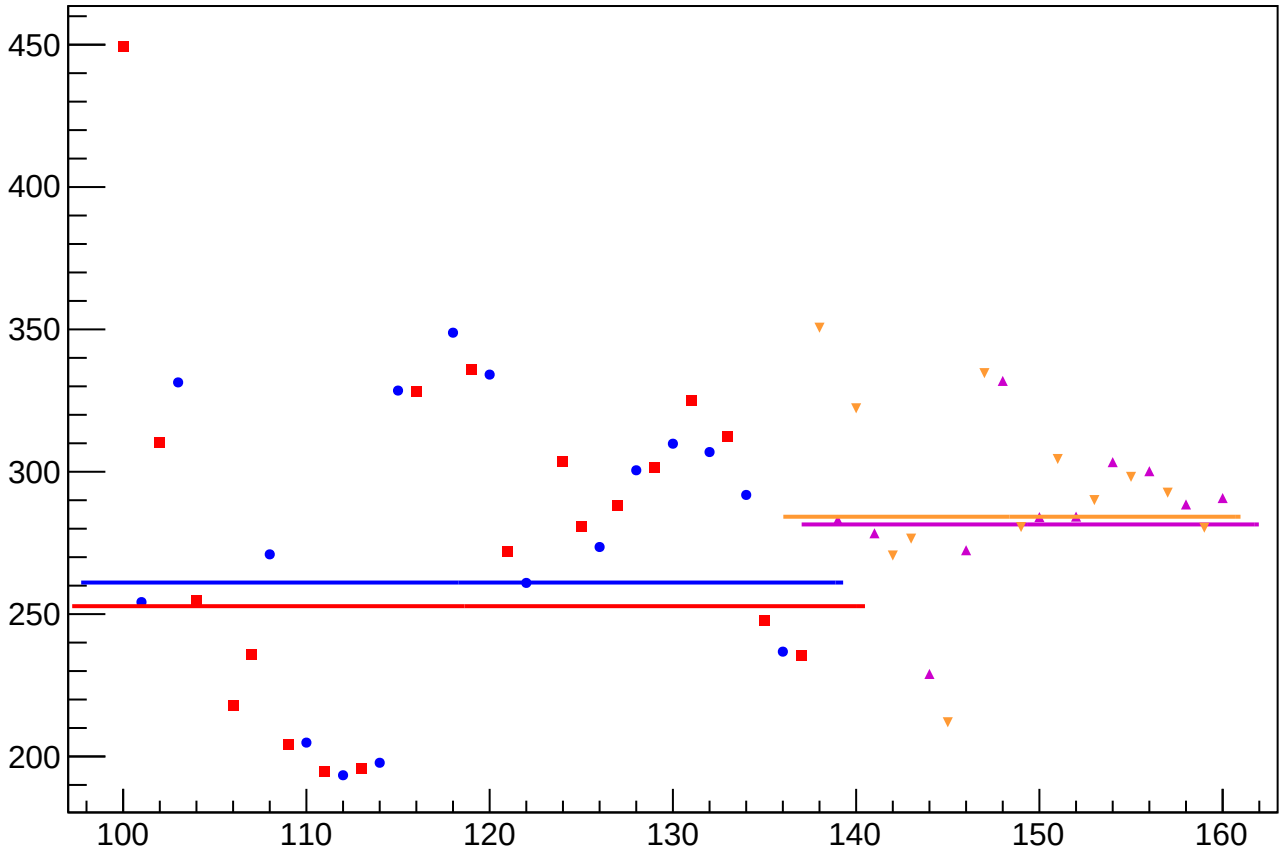
Left: 241.543+/-65.502 χ^2/NDF: 16.3/22

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 181.473+/-67.492 χ^2/NDF:22.6/26

Out: 216.683+/-66.554 χ^2/NDF:23.1/30

All: 199.325+/-47.389 χ^2/NDF: 45.8/57



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: 281.496+/-0.065 χ^2/NDF:150337.7/10

Left: 282.834+/-0.046 χ^2/NDF: 468567.4/22

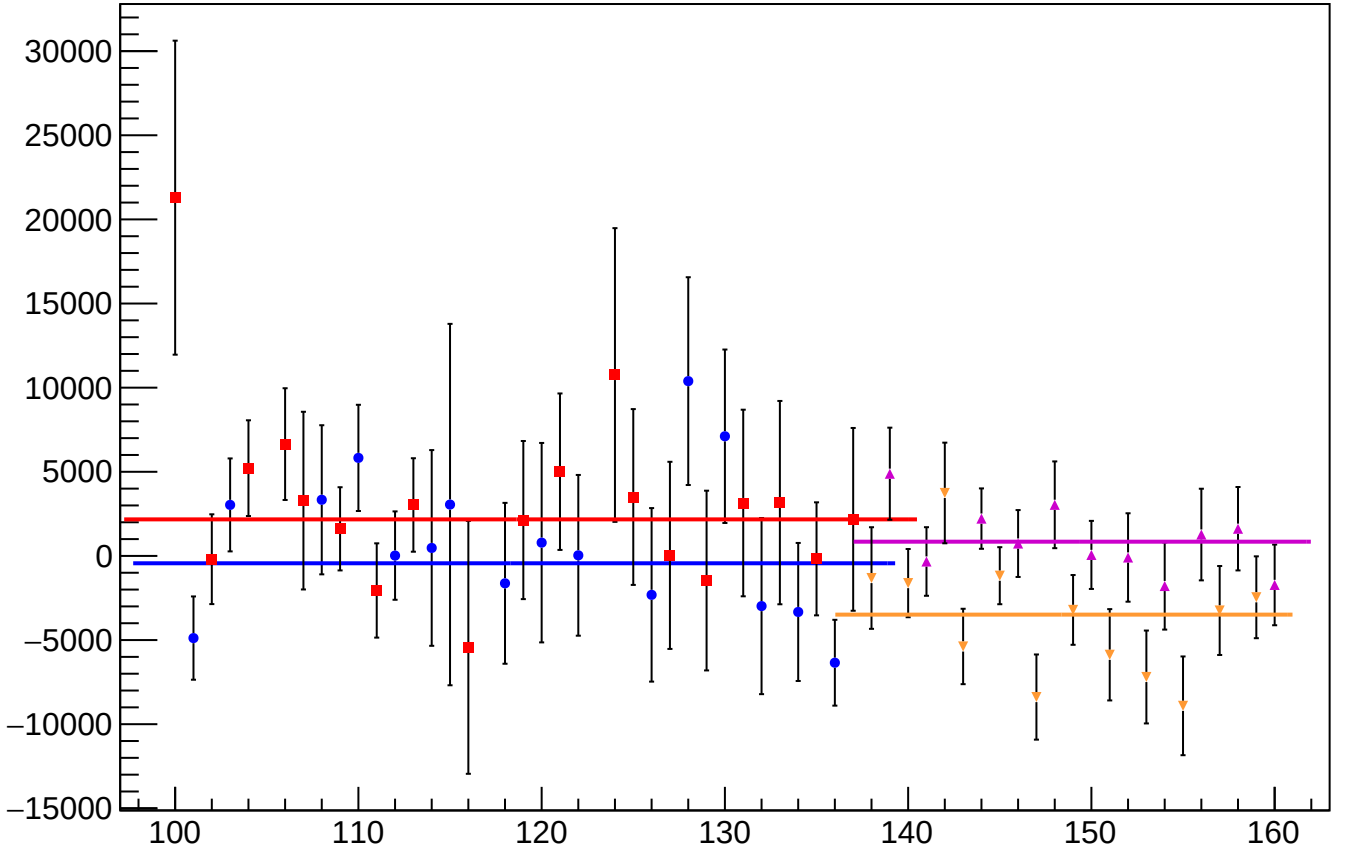
Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 272.055+/-0.048 χ^2/NDF:658460.8/26

Out: 268.805+/-0.047 χ^2/NDF:966047.9/30

All: 270.408+/-0.034 χ^2/NDF: 1626860.3/57

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: 846.126+/-690.423 χ^2/NDF:6.4/10

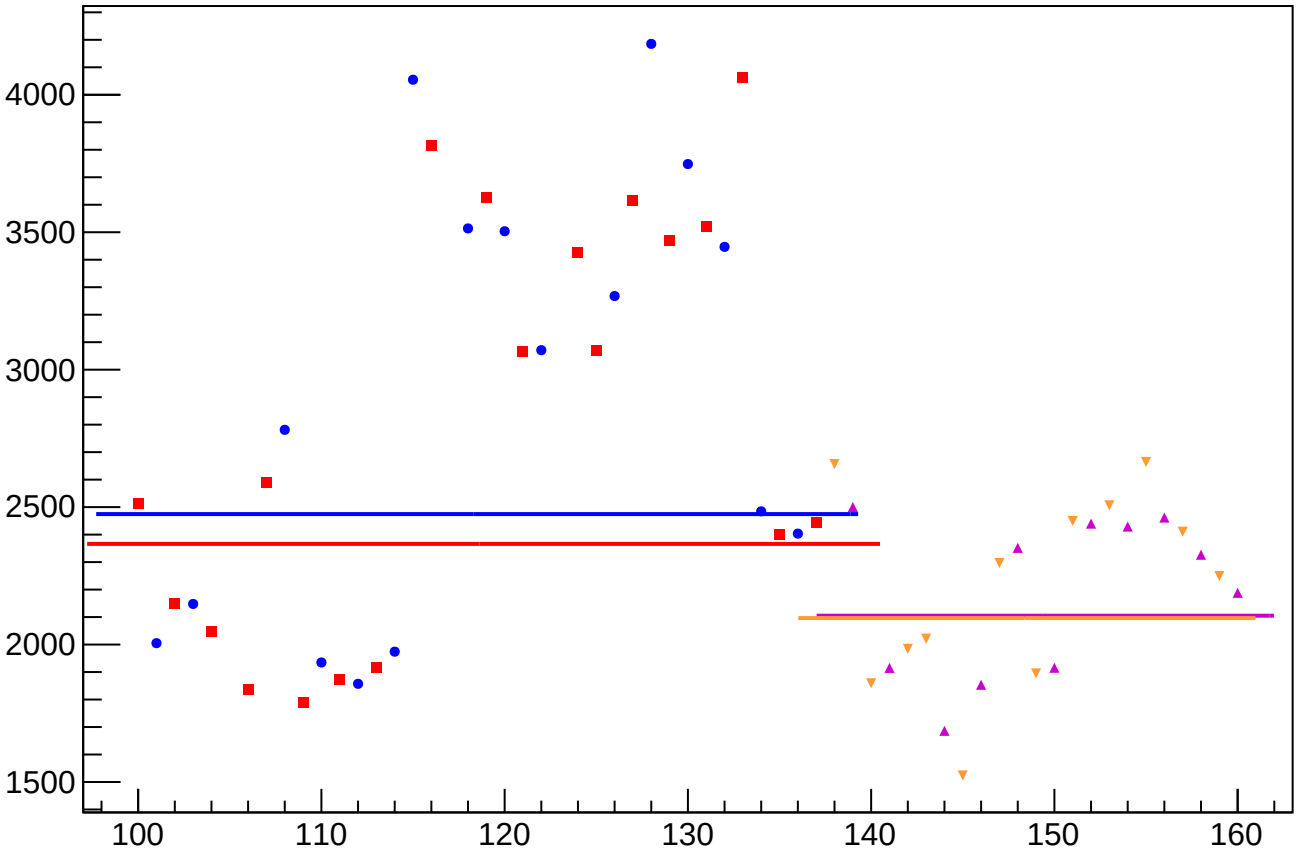
Left: -1320.337+/-488.298 χ^2/NDF: 45.8/22

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 405.857+/-559.543 χ^2/NDF:28.8/26

Out: -1393.587+/-548.182 χ^2/NDF:58.6/30

All: -512.319+/-391.578 χ^2/NDF: 92.7/57



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: 2105.006+/-0.488 χ^2/NDF:352492.4/10

Left: 2100.648+/-0.345 χ^2/NDF: 902642.7/22

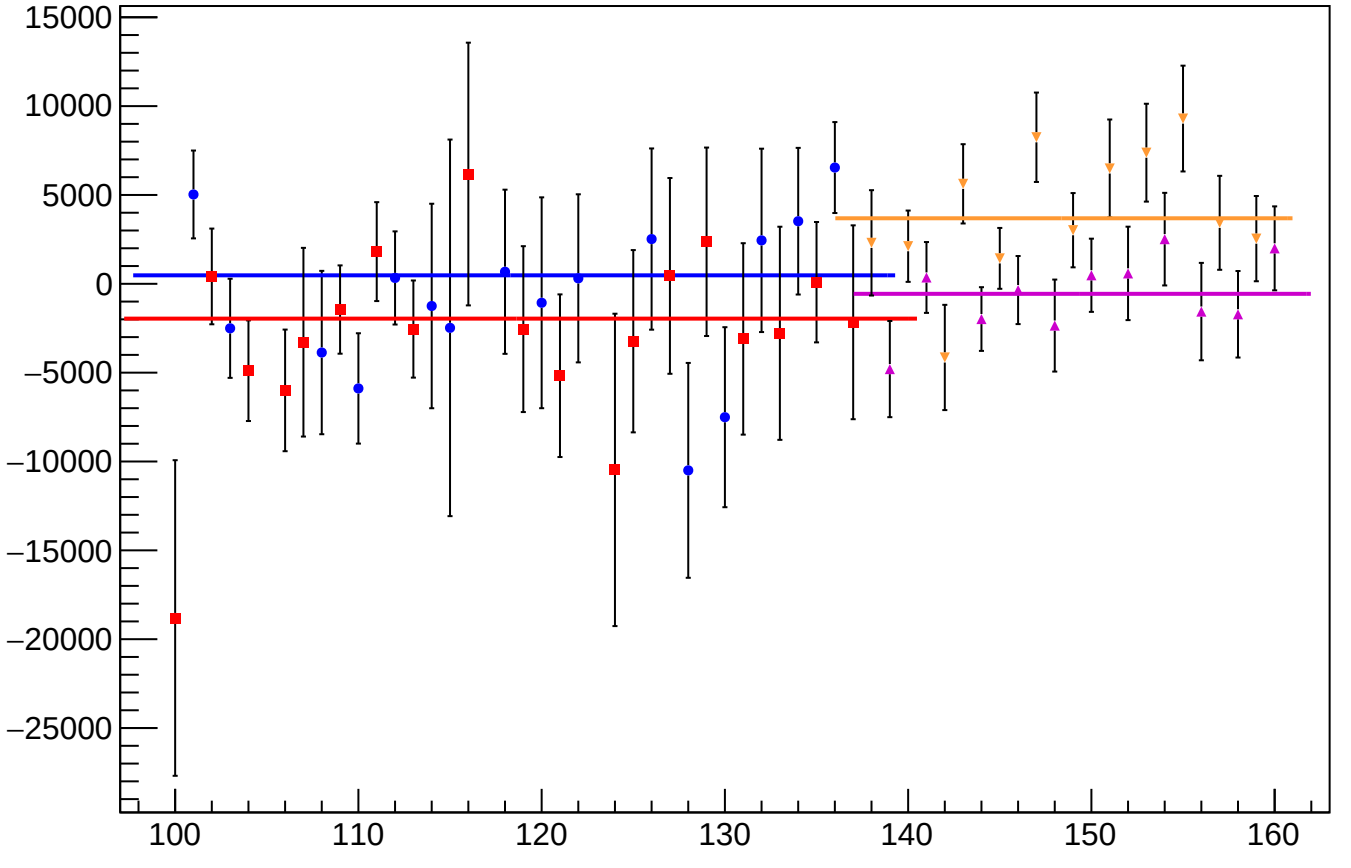
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2231.856+/-0.396 χ^2/NDF:1465460.9/26

Out: 2196.185+/-0.388 χ^2/NDF:1740219.3/30

All: 2213.655+/-0.277 χ^2/NDF: 3209827.5/57

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: -563.908+/-685.203 χ^2/NDF:7.2/10

Left: 1545.969+/-486.326 χ^2/NDF: 46.6/22

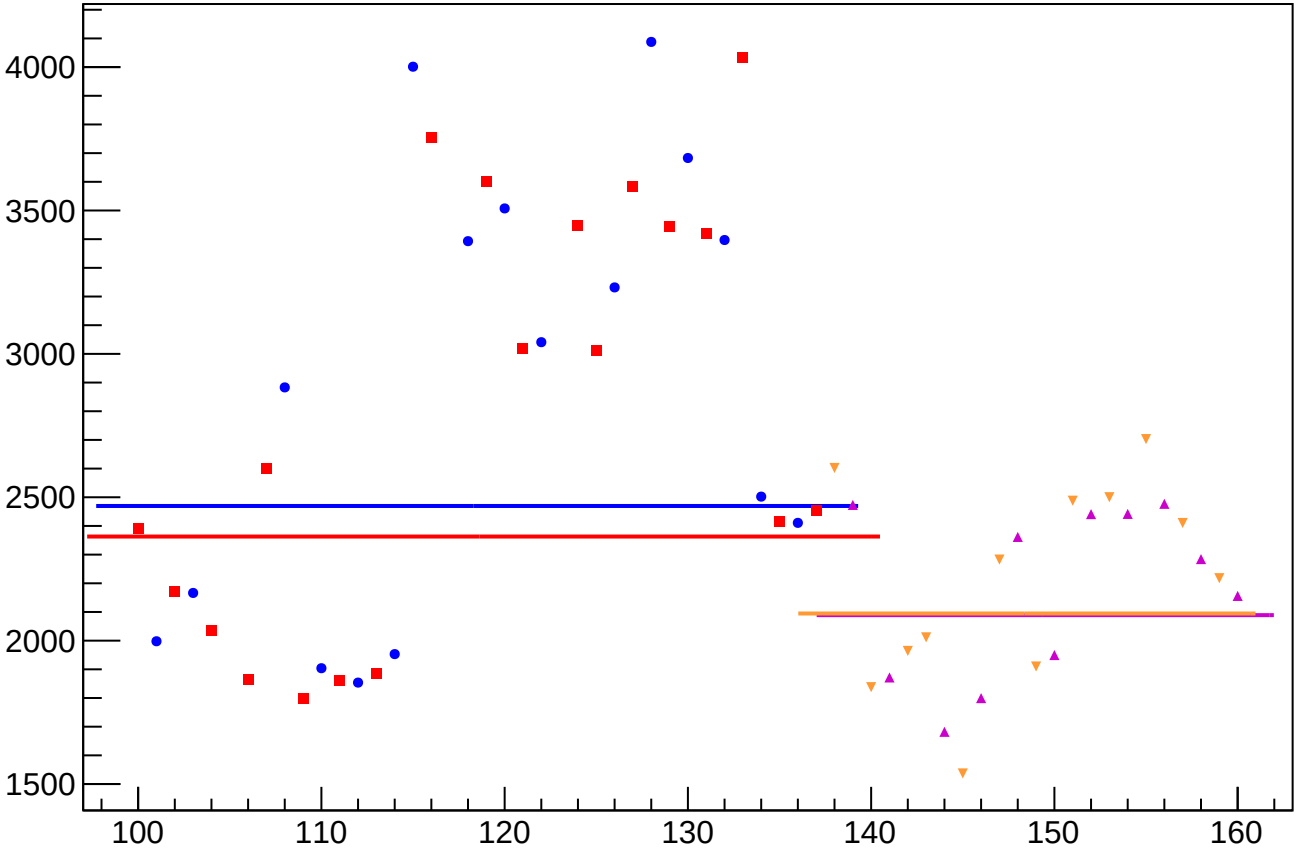
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -208.964+/-556.282 χ^2/NDF:30.1/26

Out: 1594.939+/-547.703 χ^2/NDF:58.0/30

All: 707.004+/-390.282 χ^2/NDF: 93.4/57

asym_sam4_rms vs Slug, Sign Corrected



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: 2088.947+/-0.485 χ^2/NDF:371389.7/10

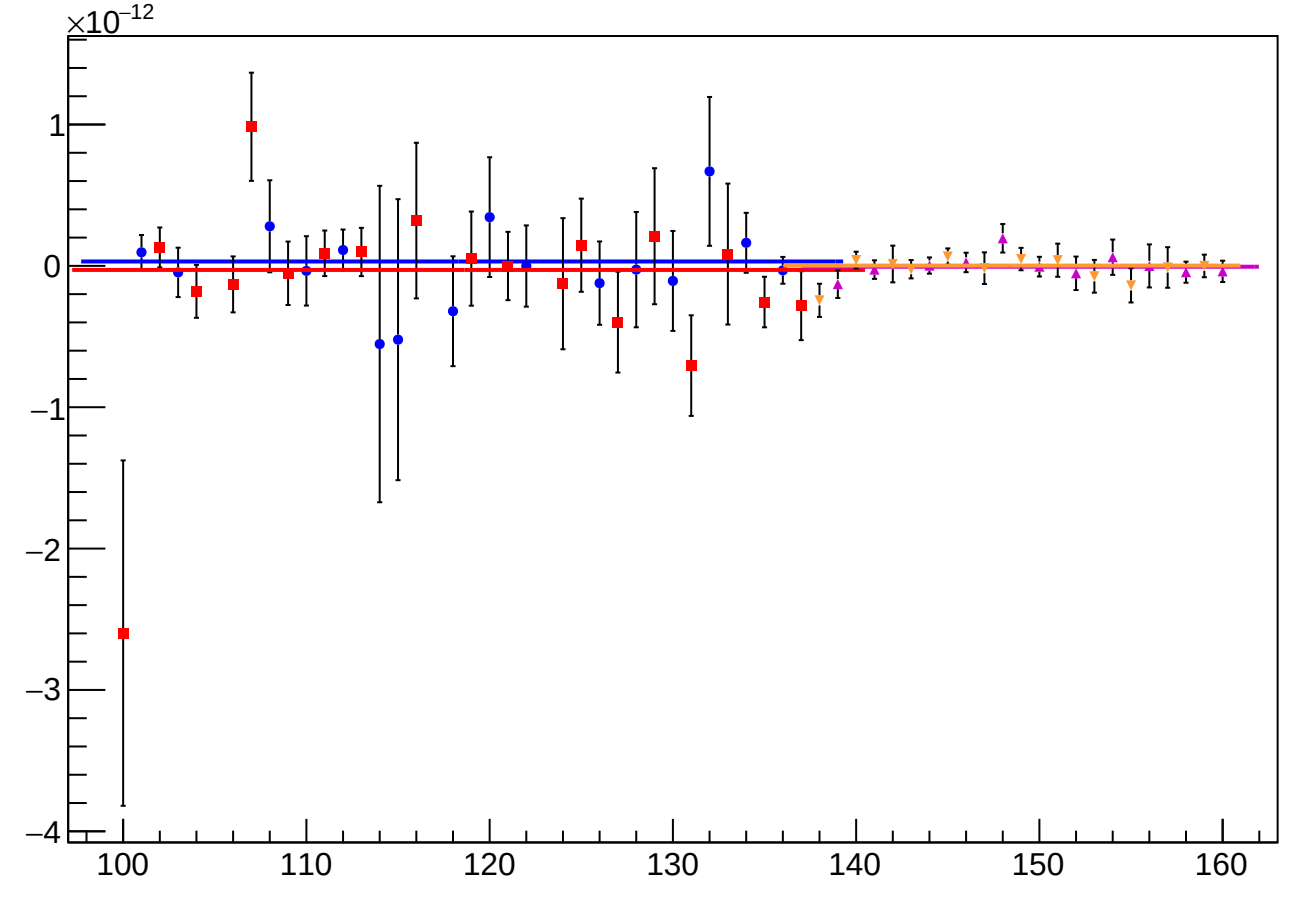
Left: 2091.787+/-0.344 χ^2/NDF: 909738.0/22

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2218.726+/-0.393 χ^2/NDF:1468027.8/26

Out: 2194.130+/-0.387 χ^2/NDF:1693637.2/30

All: 2206.237+/-0.276 χ^2/NDF: 3163650.3/57



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:6.8/10

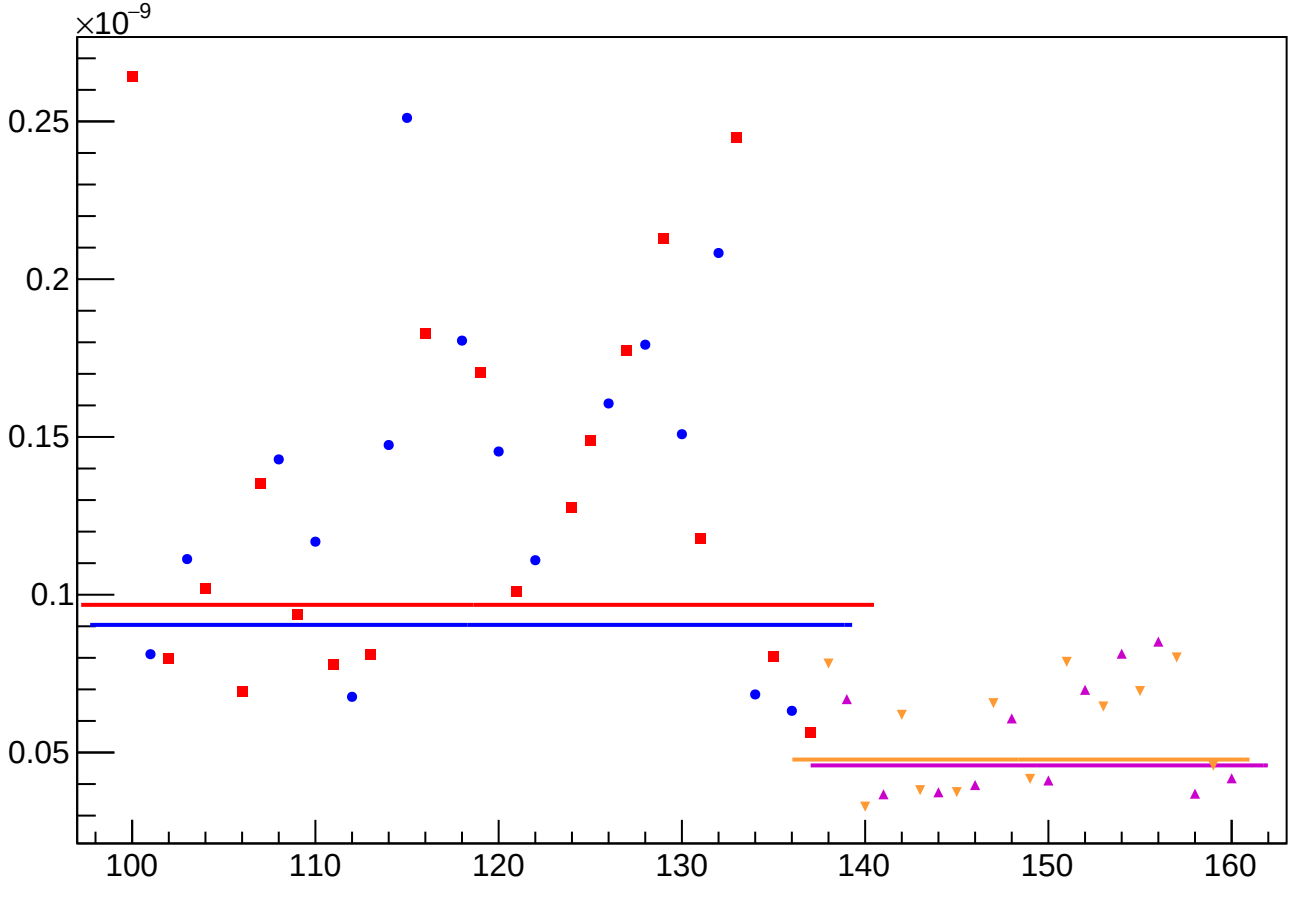
Left: -0.000+/-0.000 χ^2/NDF: 15.3/22

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:13.3/26

Out: -0.000+/-0.000 χ^2/NDF:32.0/30

All: -0.000+/-0.000 χ^2/NDF: 45.3/57



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:654297.2/10

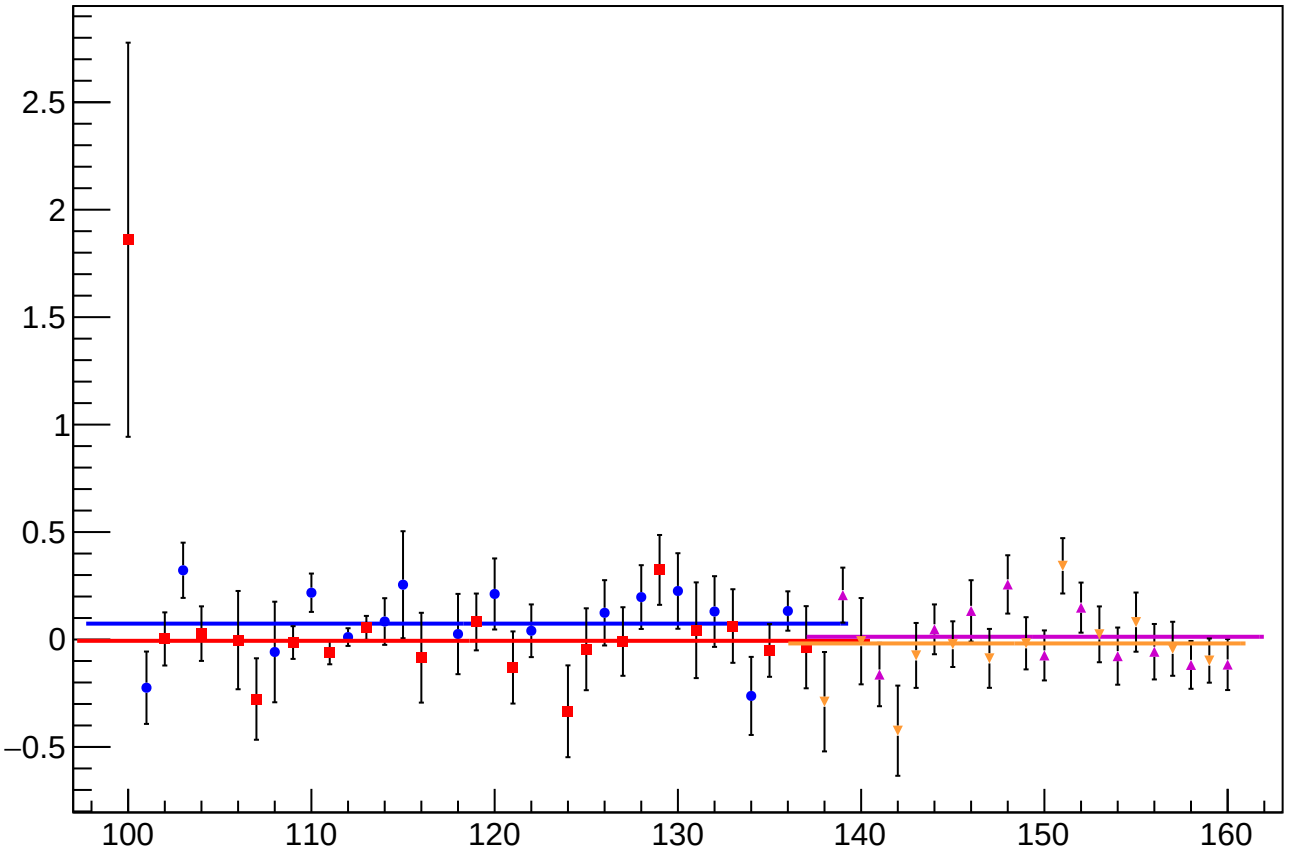
Left: 0.000+/-0.000 χ^2/NDF: 1468749.8/22

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2763143.0/26

Out: 0.000+/-0.000 χ^2/NDF:2944016.3/30

All: 0.000+/-0.000 χ^2/NDF: 5715670.3/57



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: 0.013+/-0.038 χ^2/NDF:13.0/10

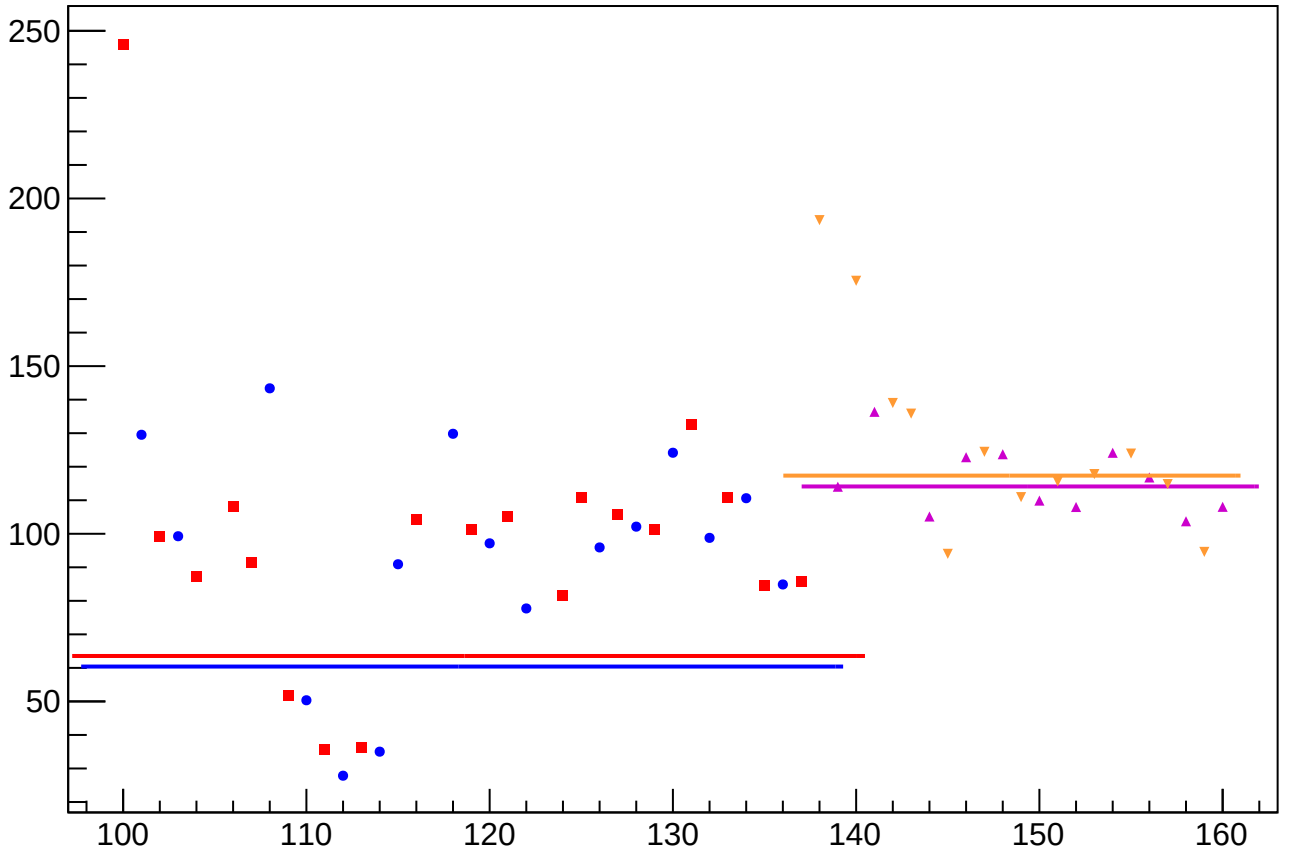
Left: -0.002+/-0.027 χ^2/NDF: 27.9/22

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.022+/-0.016 χ^2/NDF: 68.9/57



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: 114.113+/-0.027 χ^2/NDF:118184.3/10

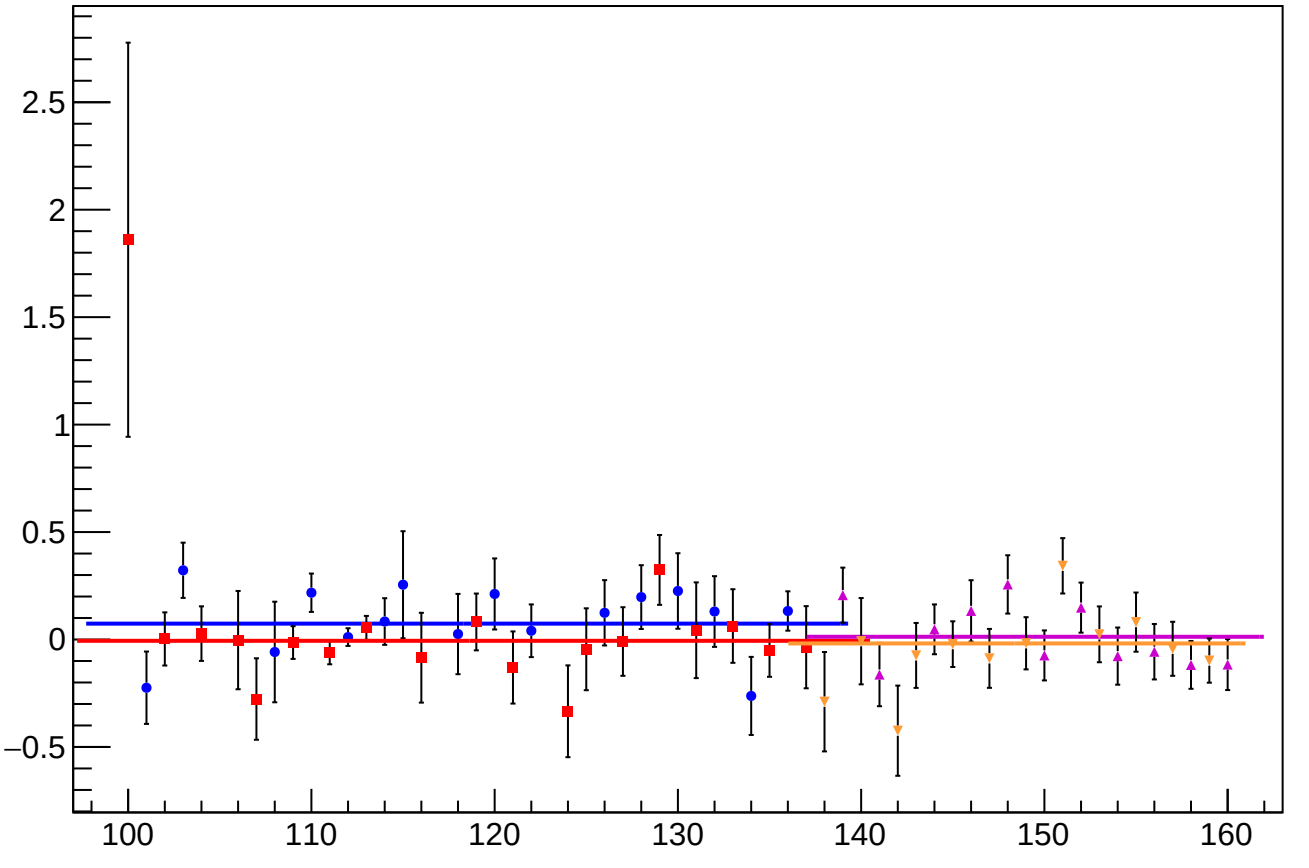
Left: 115.669+/-0.019 χ^2/NDF: 772179.4/22

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 78.574+/-0.016 χ^2/NDF:6331776.7/26

Out: 80.697+/-0.016 χ^2/NDF:5863624.0/30

All: 79.627+/-0.011 χ^2/NDF: 12204663.5/57



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: 0.013+/-0.038 χ^2/NDF:13.0/10

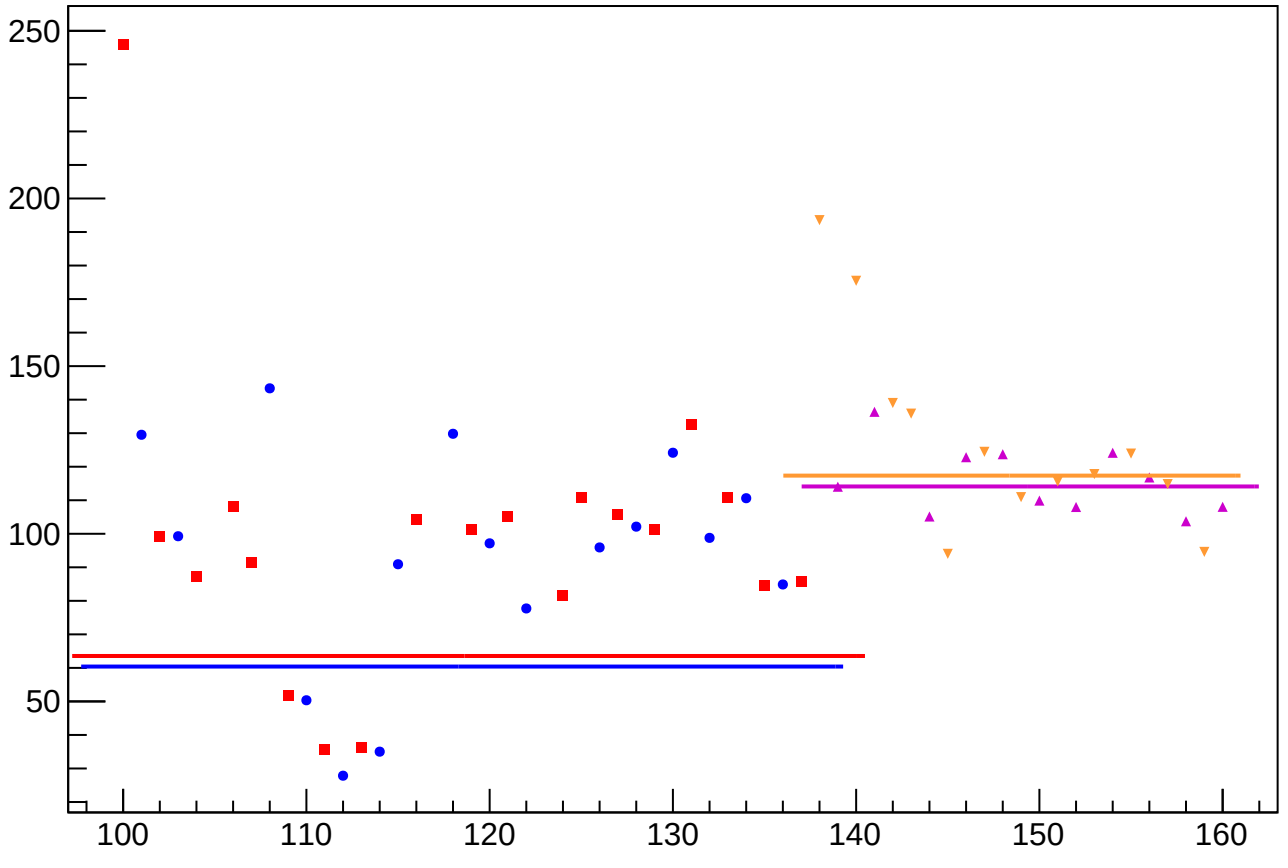
Left: -0.002+/-0.027 χ^2/NDF: 27.9/22

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.022+/-0.016 χ^2/NDF: 68.9/57



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: 114.113+/-0.027 χ^2/NDF:118184.3/10

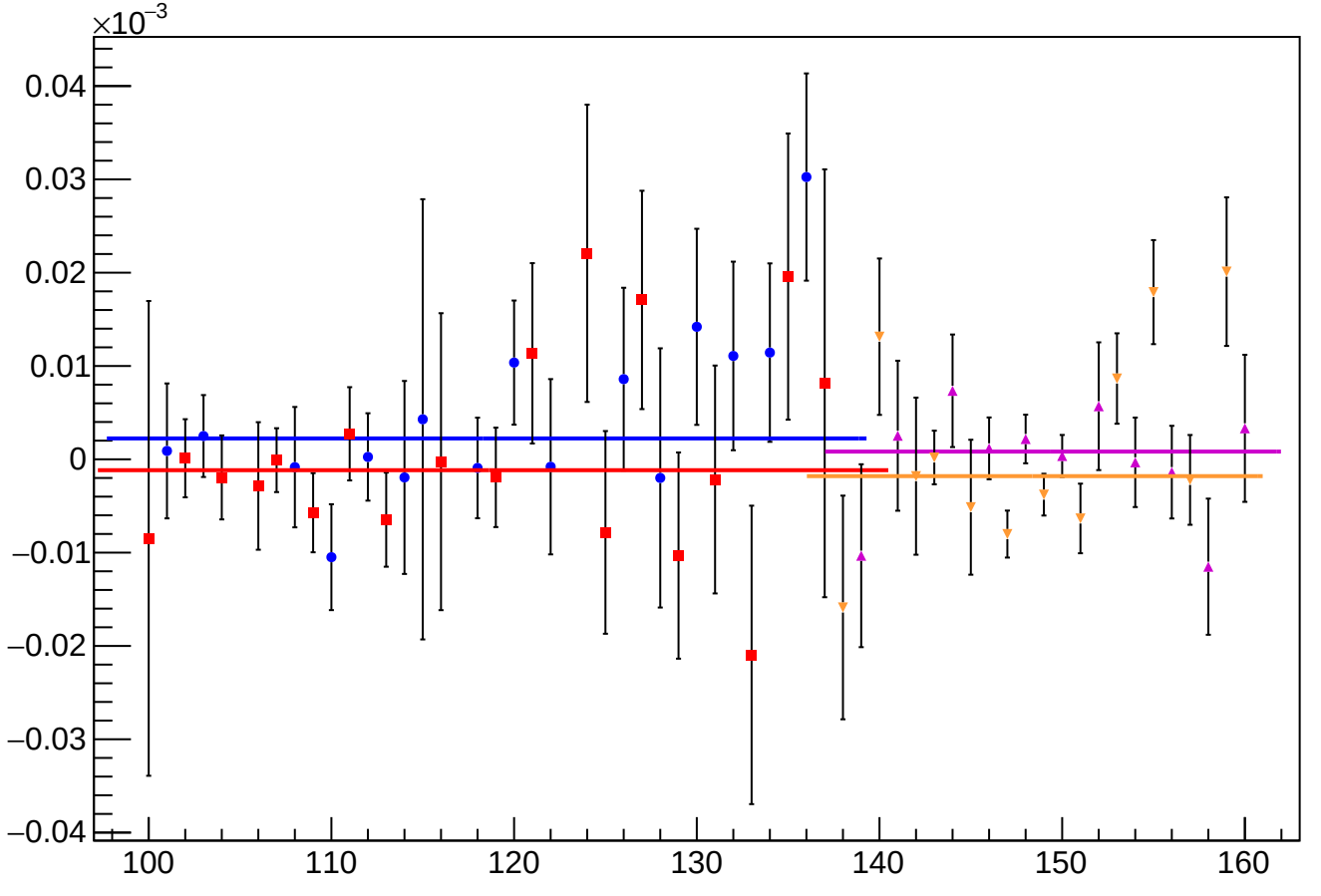
Left: 115.669+/-0.019 χ^2/NDF: 772179.4/22

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 78.574+/-0.016 χ^2/NDF:6331776.7/26

Out: 80.697+/-0.016 χ^2/NDF:5863624.0/30

All: 79.627+/-0.011 χ^2/NDF: 12204663.5/57



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:6.5/10

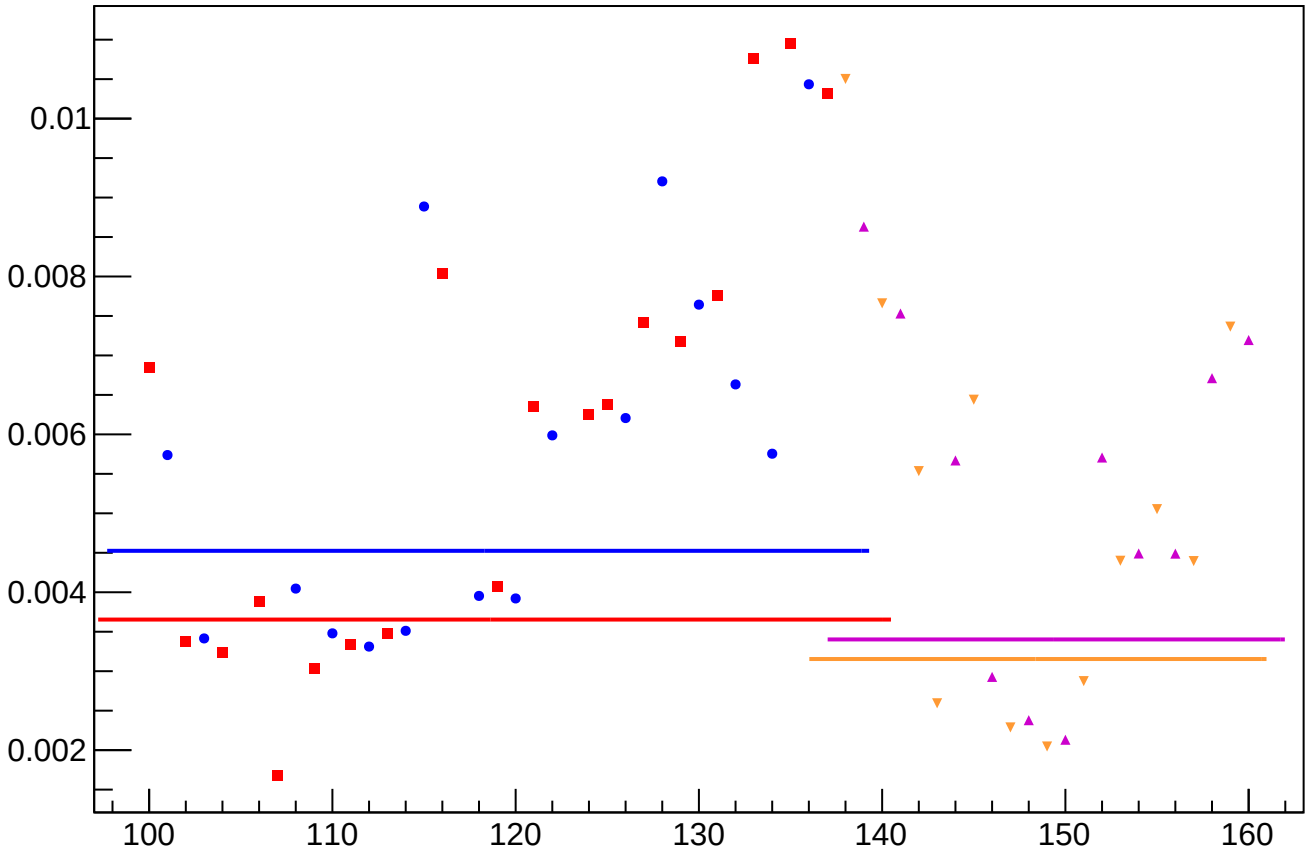
Left: -0.000+/-0.000 χ^2/NDF: 47.3/22

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:24.4/26

Out: -0.000+/-0.000 χ^2/NDF:52.6/30

All: -0.000+/-0.000 χ^2/NDF: 81.2/57



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:3667138.4/10

Left: 0.003+/-0.000 χ^2/NDF: 7482971.7/22

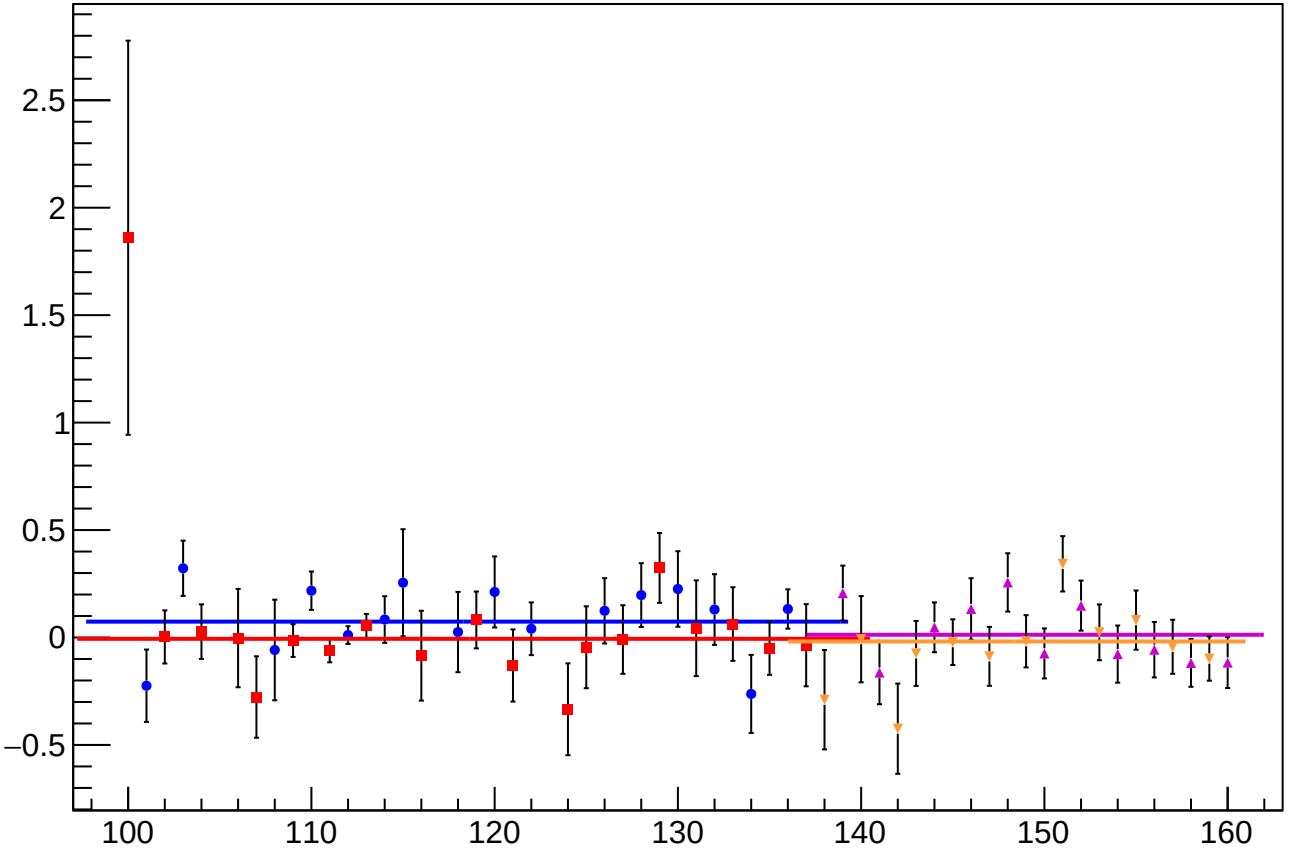
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5906121.6/26

Out: 0.003+/-0.000 χ^2/NDF:6845888.4/30

All: 0.004+/-0.000 χ^2/NDF: 12941981.6/57

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.013+/-0.038 χ^2/NDF:13.0/10

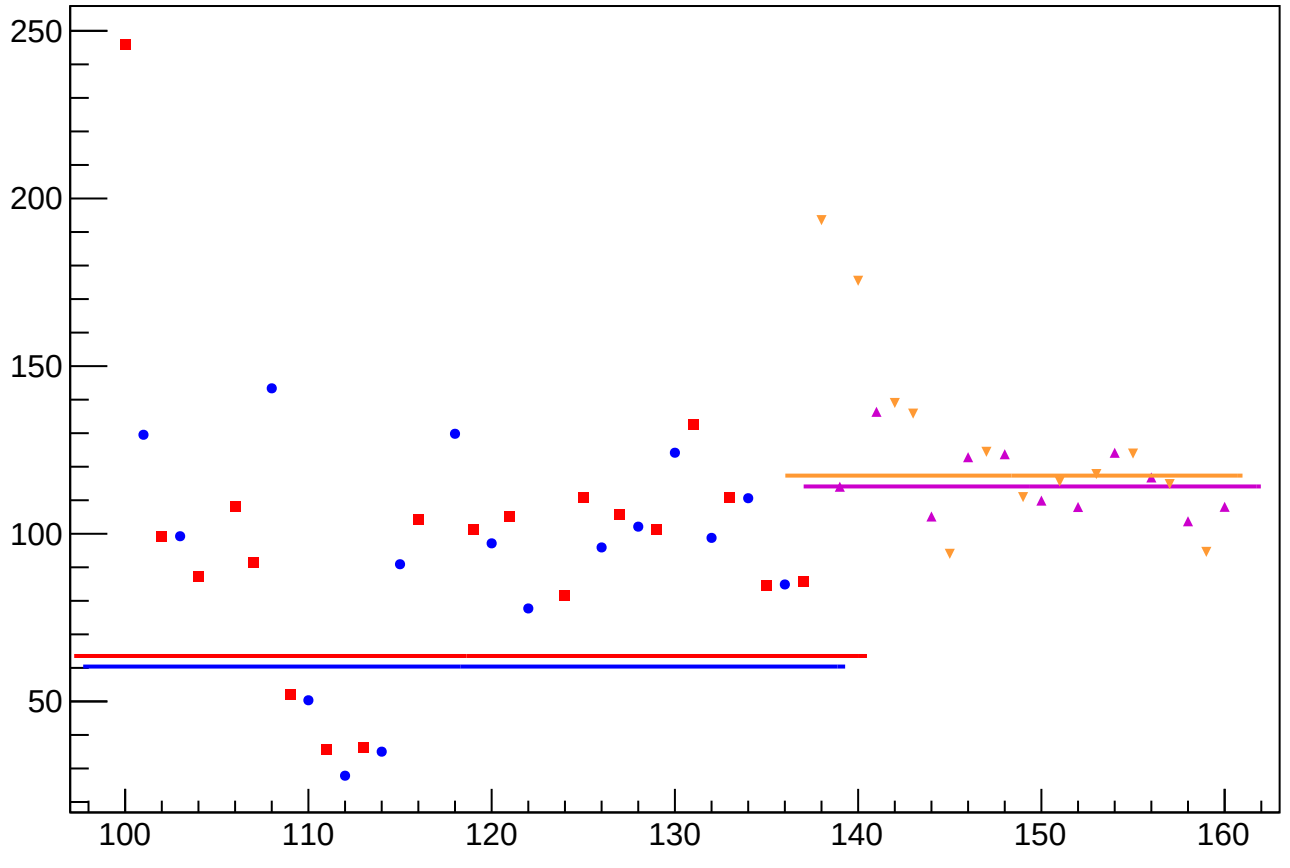
Left: -0.002+/-0.027 χ^2/NDF: 27.9/22

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.022+/-0.016 χ^2/NDF: 68.9/57



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: 114.114+/-0.027 χ^2/NDF:118183.4/10

Left: 115.670+/-0.019 χ^2/NDF: 772148.4/22

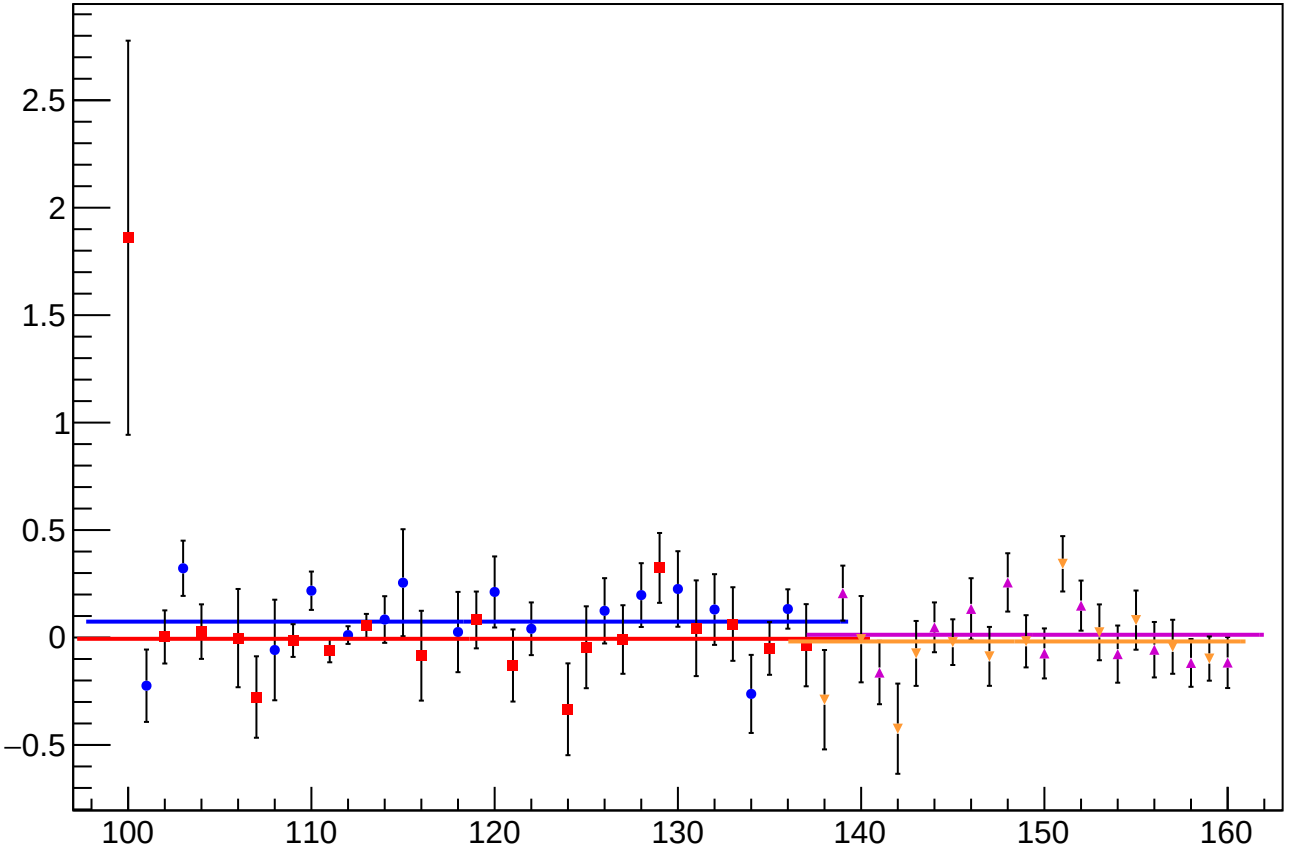
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 78.572+/-0.016 χ^2/NDF:6332366.6/26

Out: 80.695+/-0.016 χ^2/NDF:5864161.8/30

All: 79.625+/-0.011 χ^2/NDF: 12205794.1/57

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: 0.013+/-0.038 χ^2/NDF:13.0/10

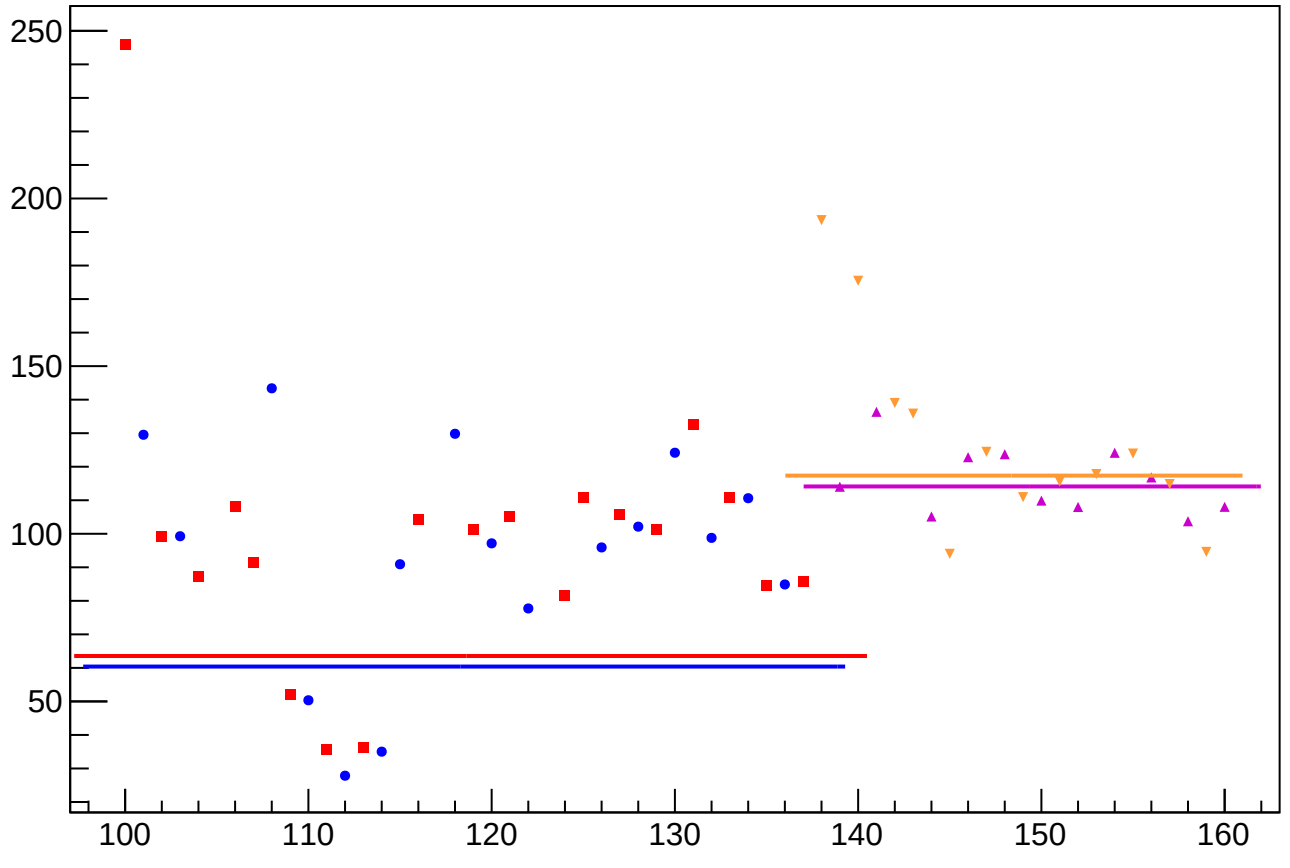
Left: -0.002+/-0.027 χ^2/NDF: 27.9/22

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.010+/-0.022 χ^2/NDF:31.1/30

All: 0.022+/-0.016 χ^2/NDF: 68.9/57



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: 114.114+/-0.027 χ^2/NDF:118183.4/10

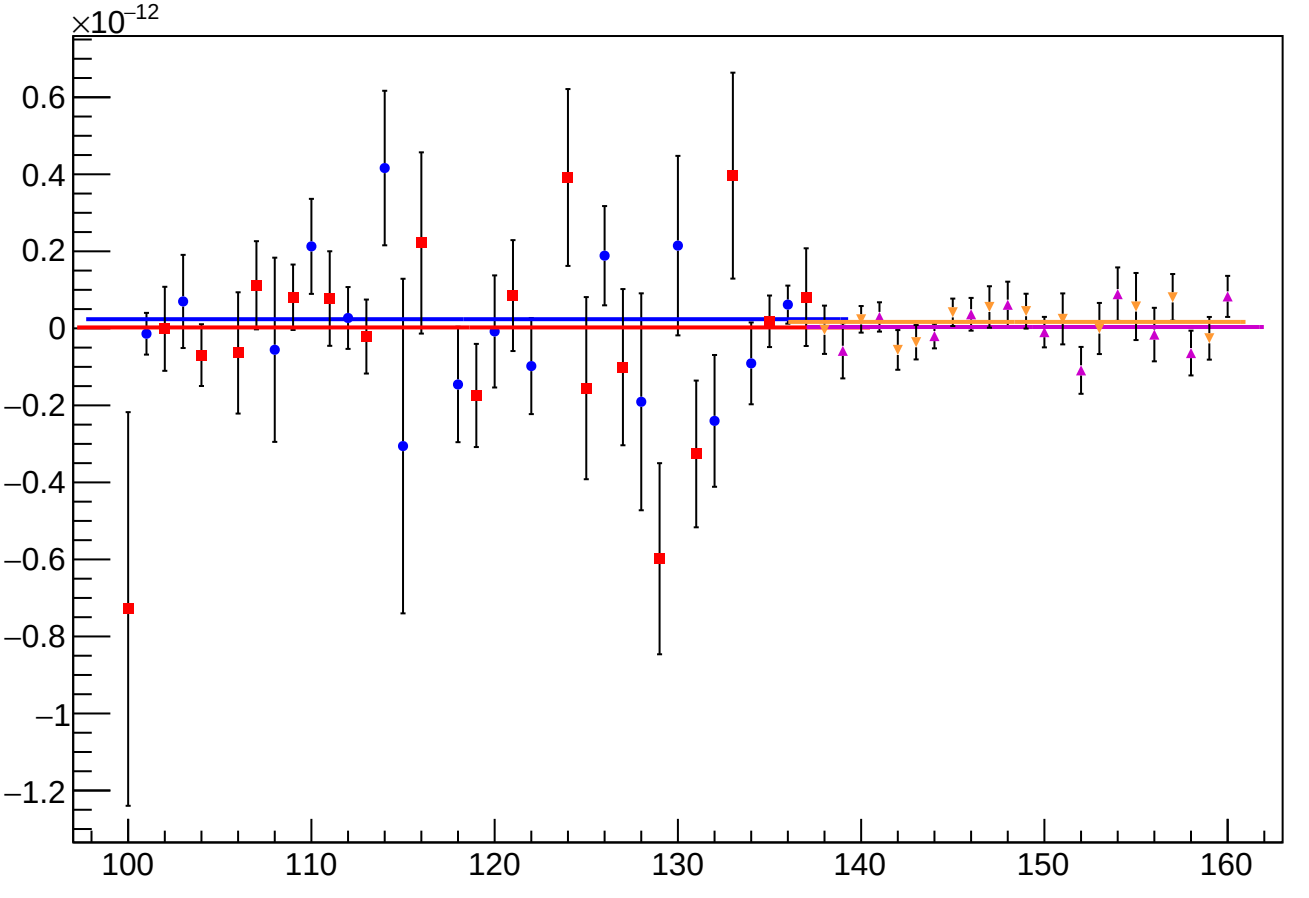
Left: 115.670+/-0.019 χ^2/NDF: 772148.4/22

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 78.572+/-0.016 χ^2/NDF:6332366.6/26

Out: 80.695+/-0.016 χ^2/NDF:5864161.8/30

All: 79.625+/-0.011 χ^2/NDF: 12205794.1/57



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:12.0/10

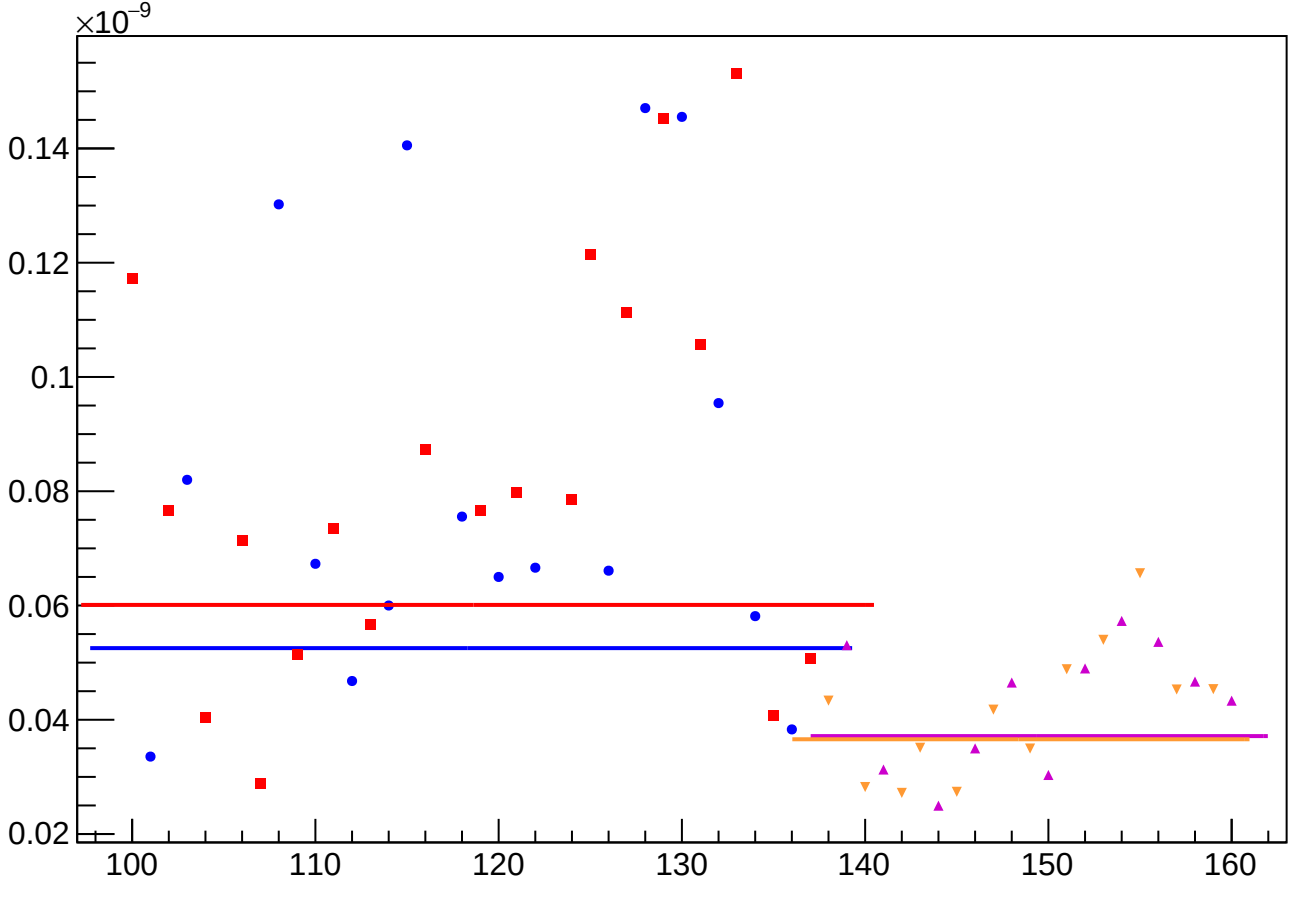
Left: 0.000+/-0.000 χ^2/NDF: 19.3/22

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:29.2/26

Out: 0.000+/-0.000 χ^2/NDF:30.3/30

All: 0.000+/-0.000 χ^2/NDF: 59.6/57



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:988633.5/10

Left: 0.000+/-0.000 χ^2/NDF: 1873672.1/22

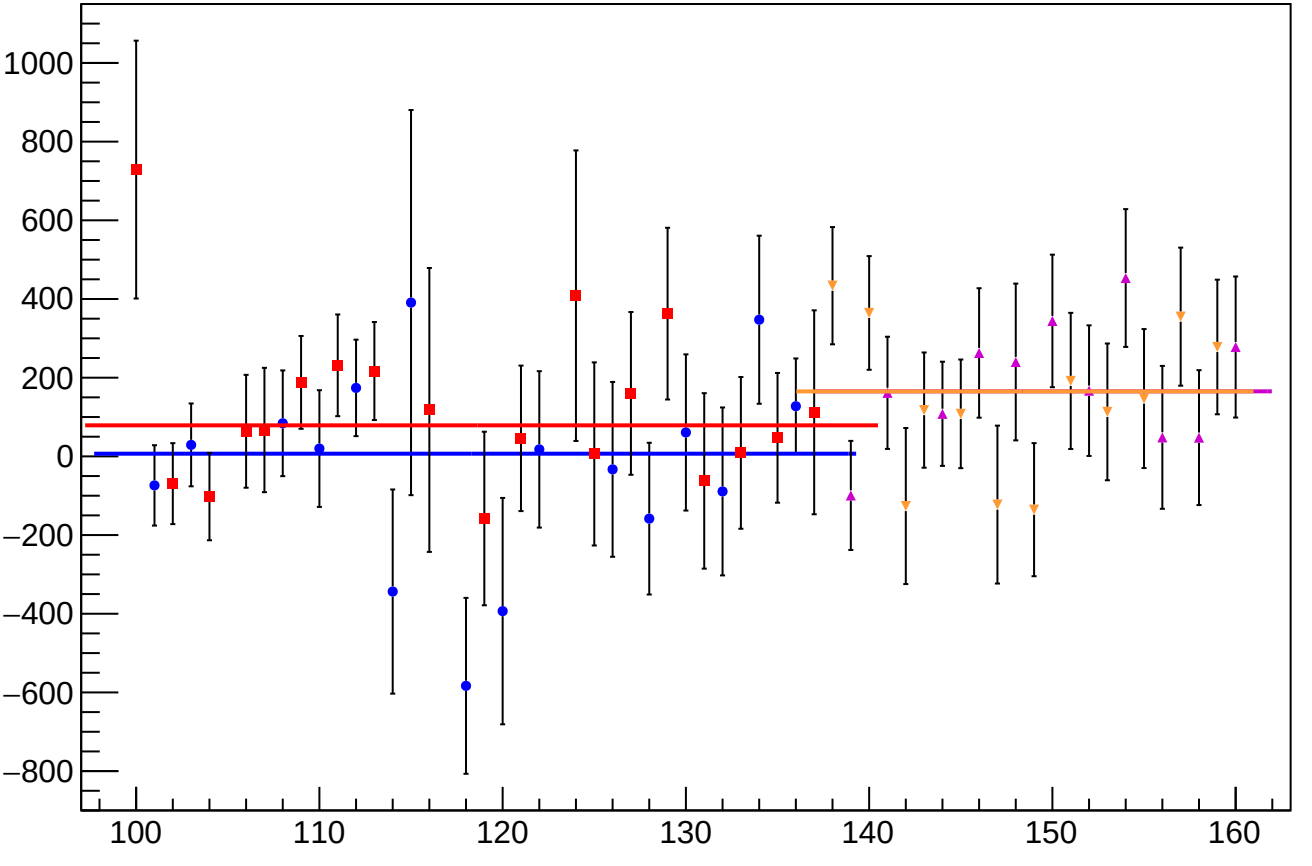
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3164465.0/26

Out: 0.000+/-0.000 χ^2/NDF:3483375.0/30

All: 0.000+/-0.000 χ^2/NDF: 6649365.8/57

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: 165.282+/-48.796 χ^2/NDF:9.4/10

Left: 165.204+/-34.052 χ^2/NDF: 24.0/22

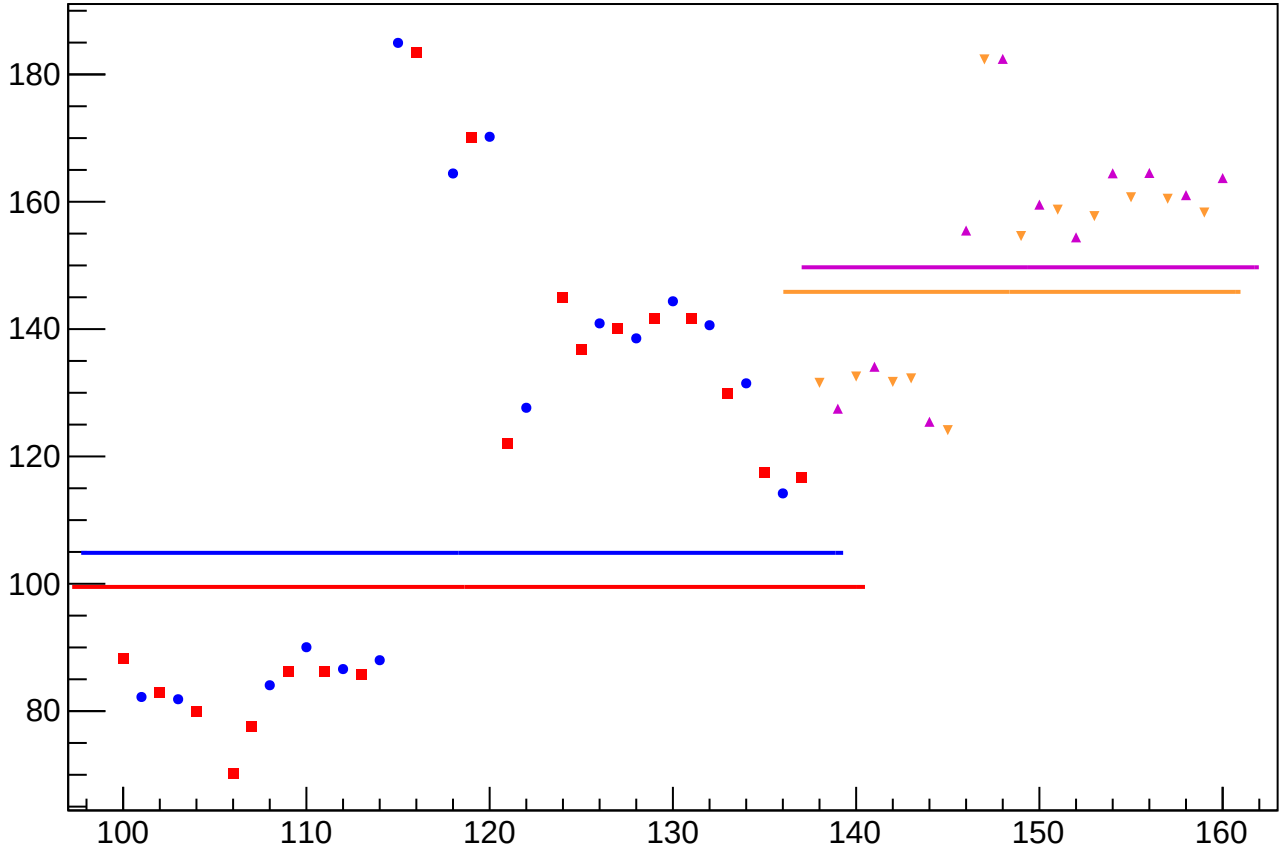
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 71.171+/-31.097 χ^2/NDF:34.5/26

Out: 112.402+/-29.639 χ^2/NDF:33.2/30

All: 92.776+/-21.455 χ^2/NDF: 68.6/57

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: 149.709+/-0.035 χ^2/NDF:255834.4/10

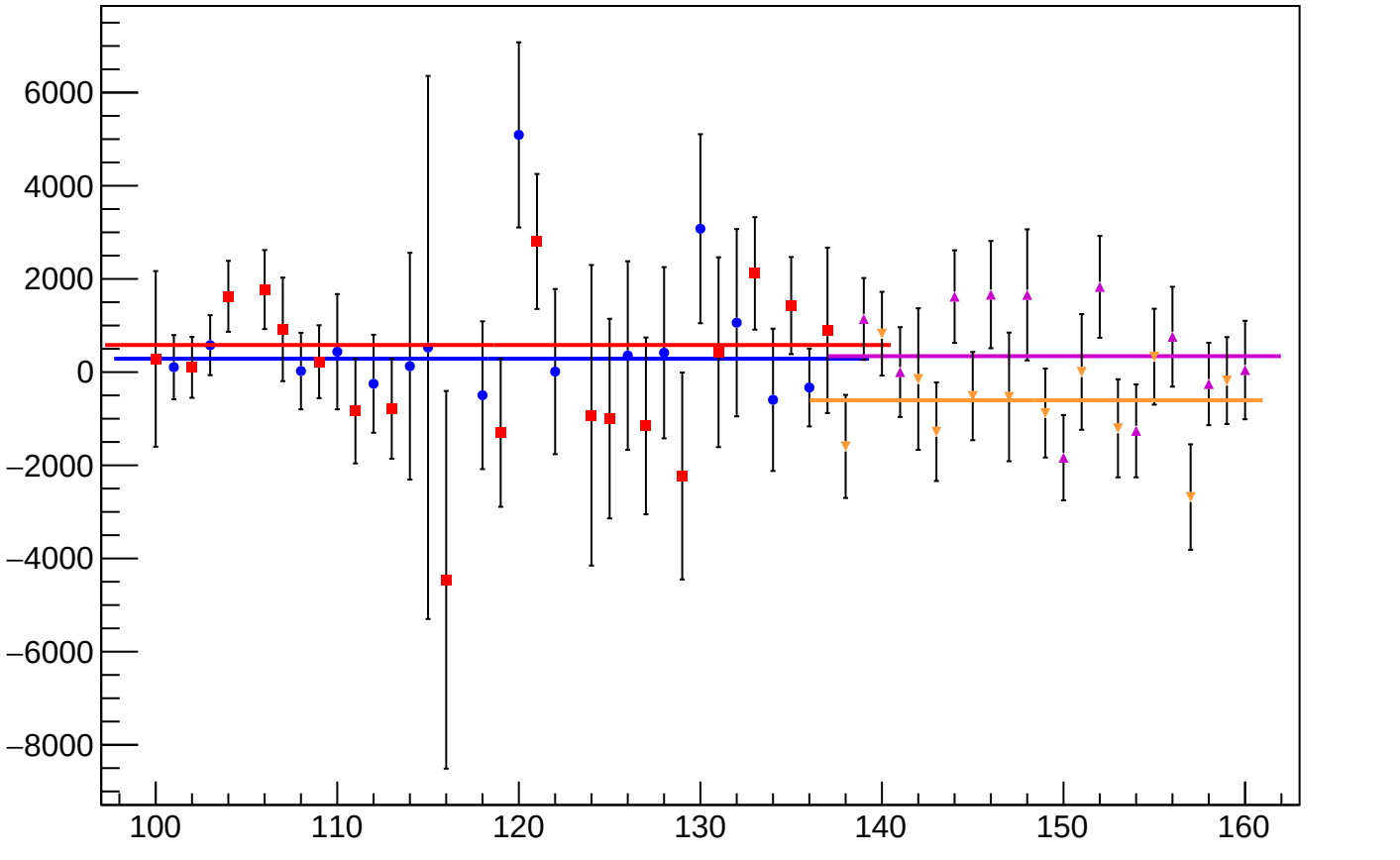
Left: 147.730+/-0.024 χ^2/NDF: 505139.1/22

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 123.075+/-0.022 χ^2/NDF:2190433.0/26

Out: 117.518+/-0.021 χ^2/NDF:2443705.9/30

All: 120.163+/-0.015 χ^2/NDF: 4667599.2/57



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: 341.912+/-305.393 χ^2/NDF:15.6/10

Left: -127.827+/-216.824 χ^2/NDF: 29.2/22

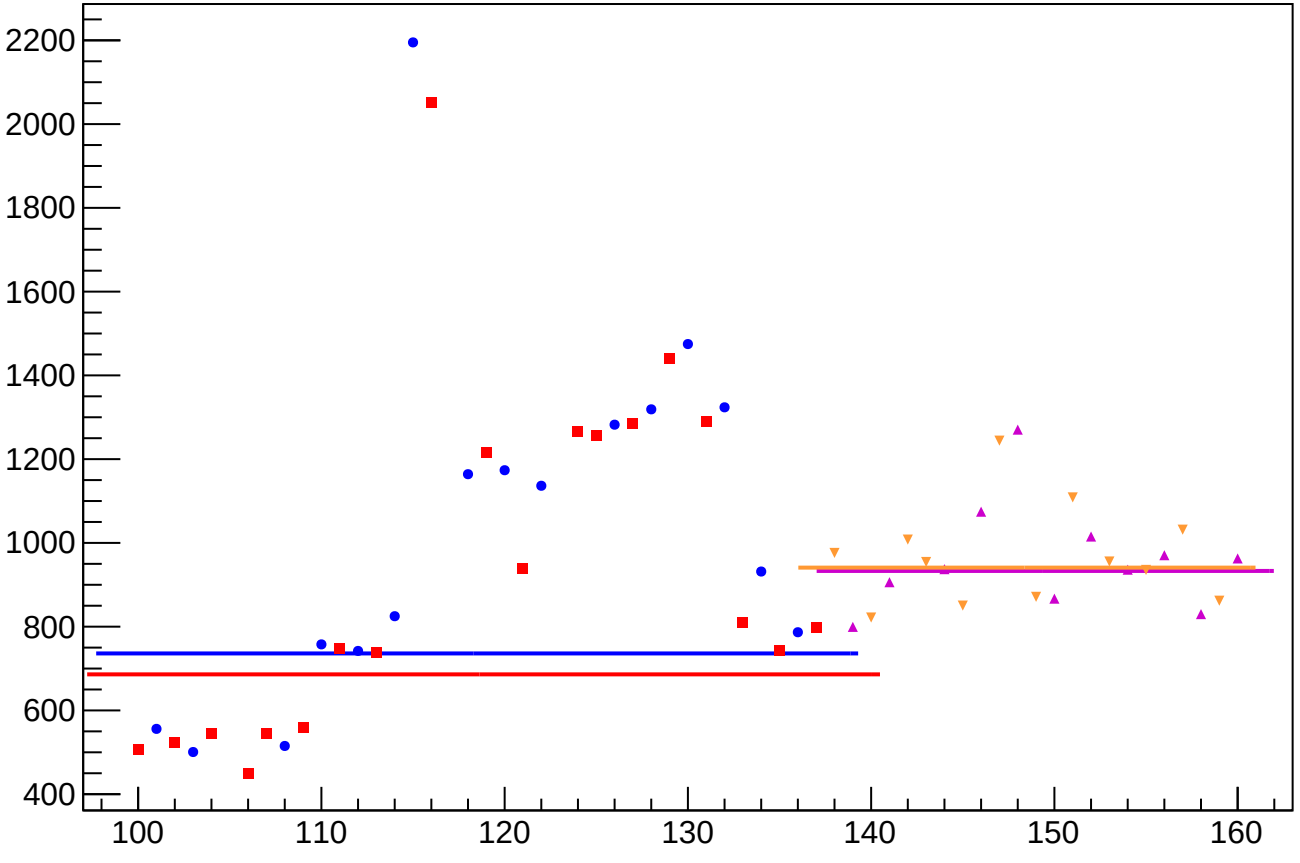
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 313.319+/-211.606 χ^2/NDF:25.3/26

Out: 65.918+/-202.906 χ^2/NDF:36.0/30

All: 184.429+/-146.455 χ^2/NDF: 62.0/57

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: 933.057+/-0.216 χ^2/NDF:246053.2/10

Left: 936.989+/-0.153 χ^2/NDF: 477657.0/22

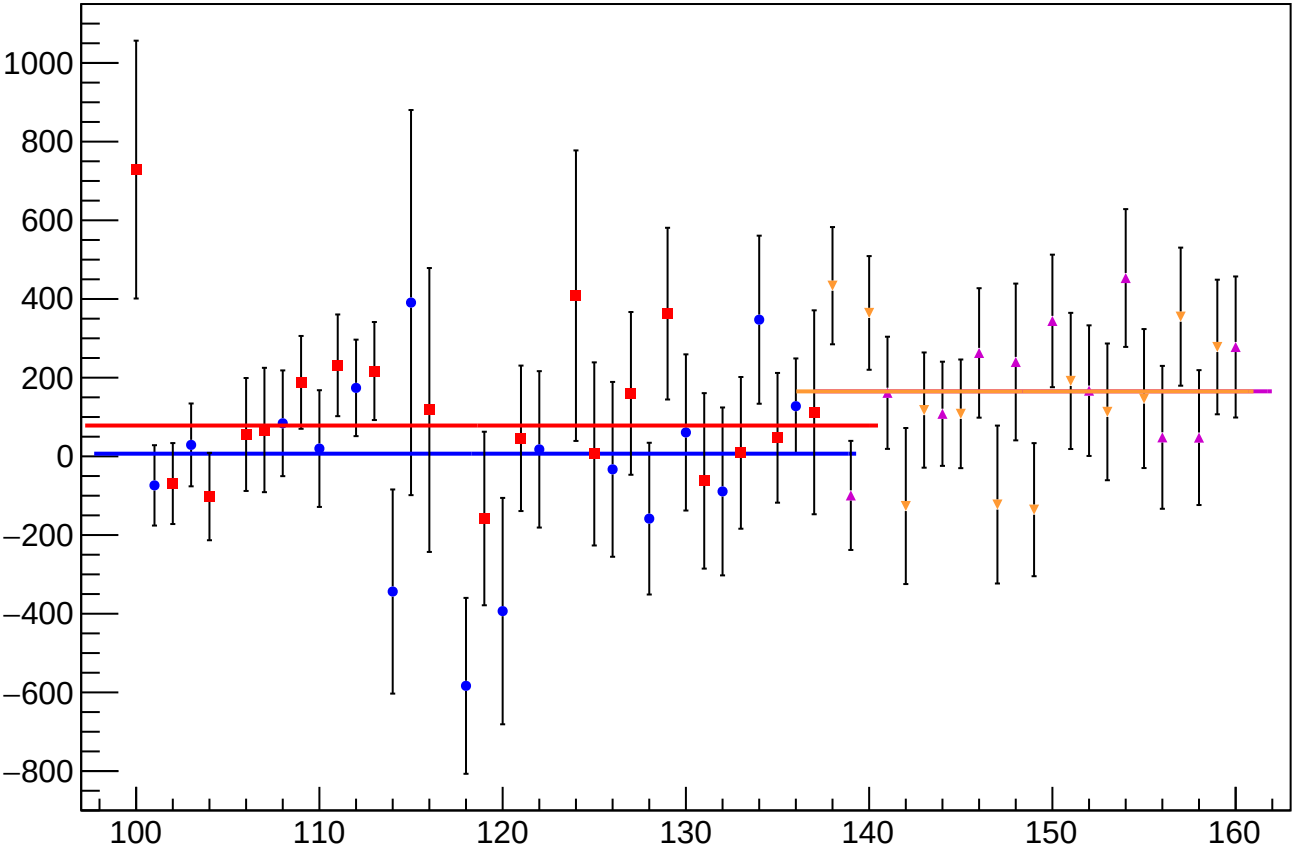
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 830.652+/-0.150 χ^2/NDF:2523103.8/26

Out: 796.801+/-0.143 χ^2/NDF:2825426.1/30

All: 813.016+/-0.104 χ^2/NDF: 5375193.9/57

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: 165.286+/-48.796 χ^2/NDF:9.4/10

Left: 165.203+/-34.052 χ^2/NDF: 24.0/22

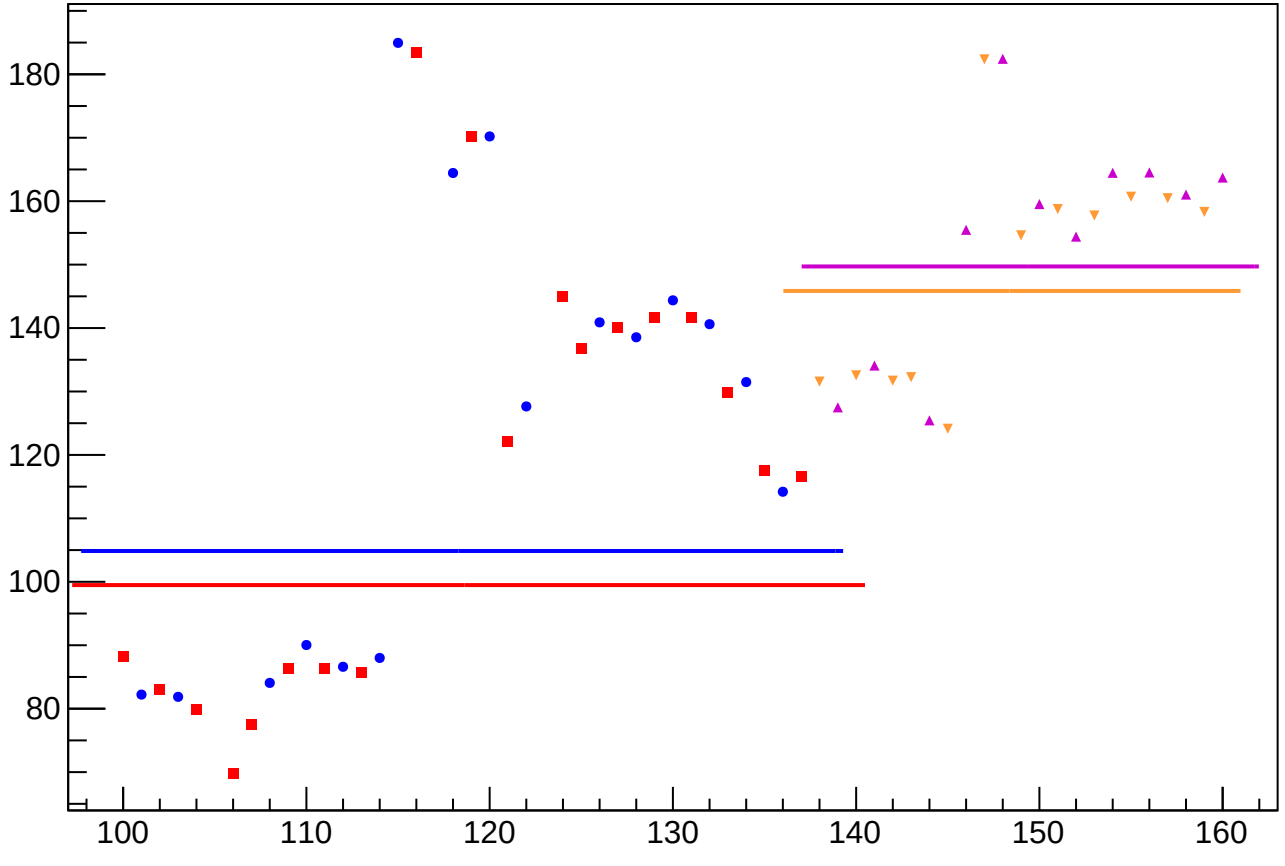
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 71.166+/-31.097 χ^2/NDF:34.5/26

Out: 112.075+/-29.640 χ^2/NDF:33.3/30

All: 92.601+/-21.455 χ^2/NDF: 68.7/57

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: 149.709+/-0.035 χ^2/NDF:255834.4/10

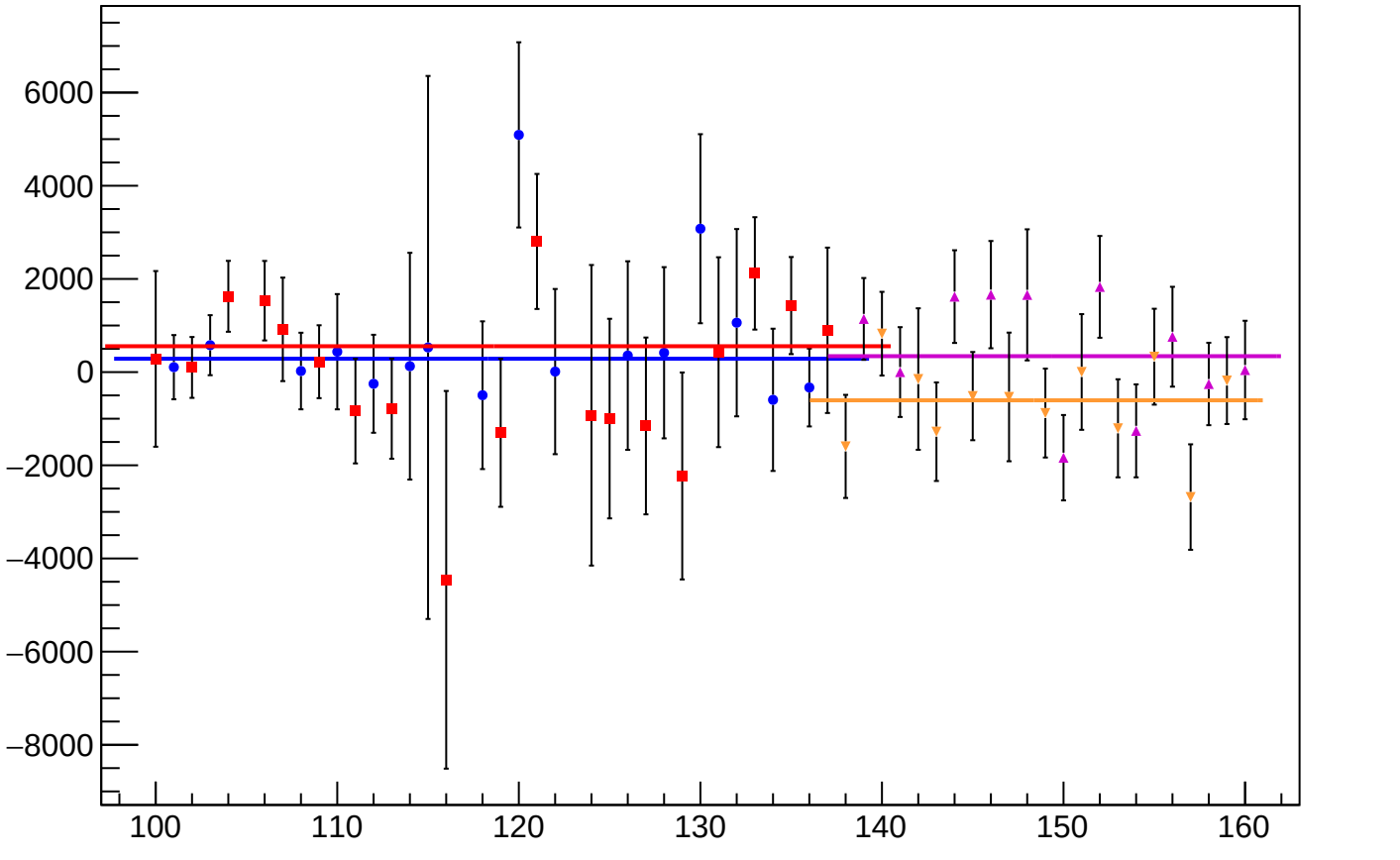
Left: 147.730+/-0.024 χ^2/NDF: 505139.1/22

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 123.075+/-0.022 χ^2/NDF:2190431.6/26

Out: 117.505+/-0.021 χ^2/NDF:2447026.7/30

All: 120.156+/-0.015 χ^2/NDF: 4671074.6/57



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: 341.912+/-305.393 χ^2/NDF:15.6/10

Left: -127.828+/-216.825 χ^2/NDF: 29.2/22

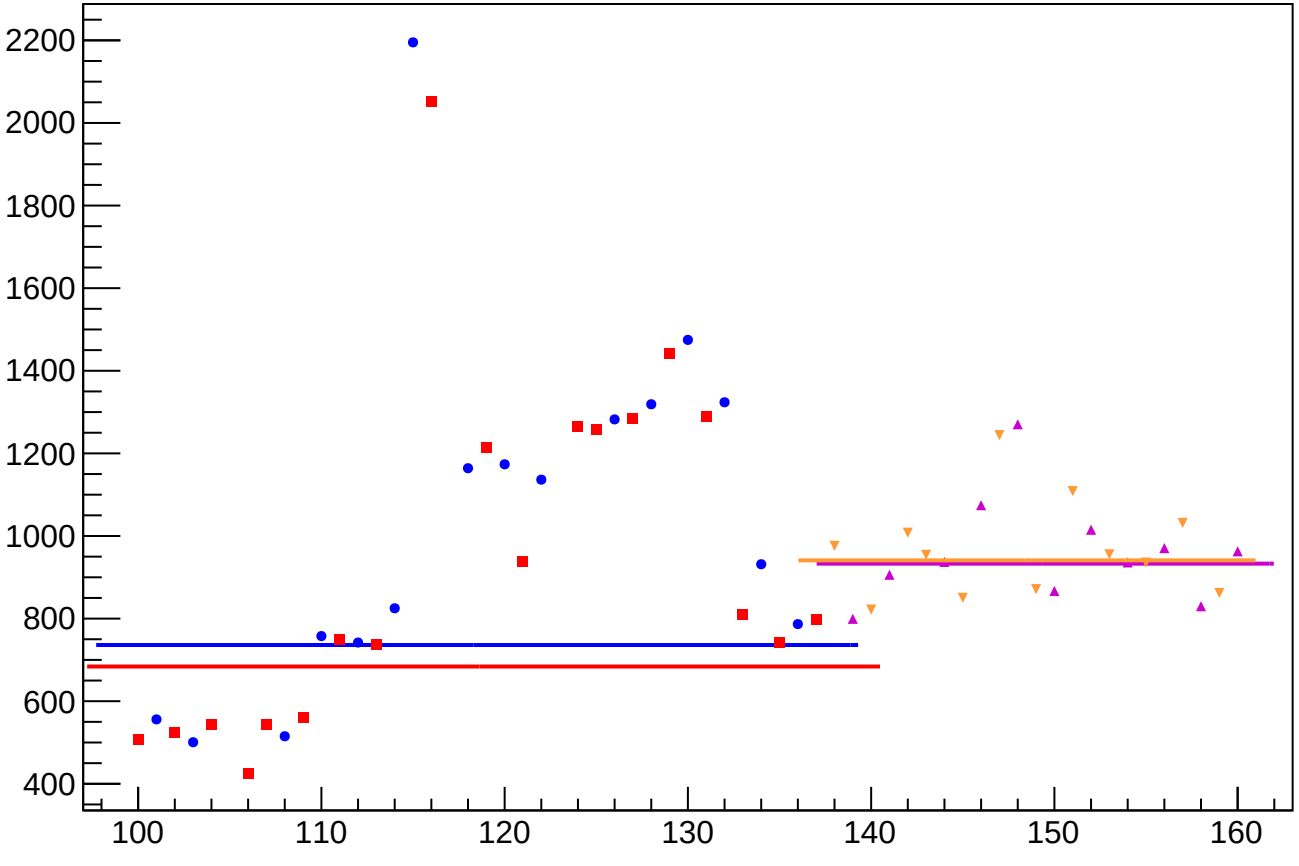
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 313.321+/-211.605 χ^2/NDF:25.3/26

Out: 50.957+/-202.982 χ^2/NDF:35.0/30

All: 176.684+/-146.484 χ^2/NDF: 61.0/57

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: 933.057+/-0.216 χ^2/NDF:246052.6/10

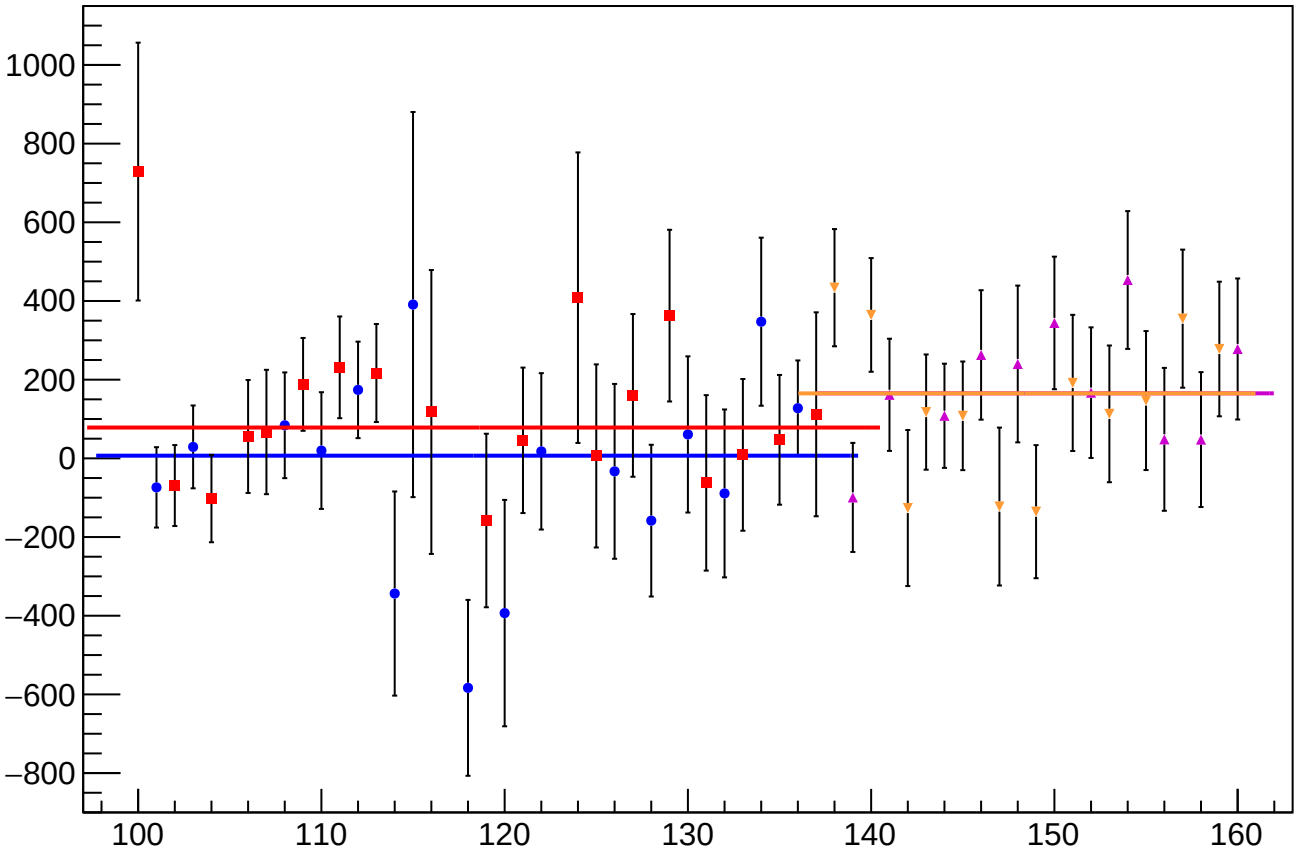
Left: 936.989+/-0.153 χ^2/NDF: 477656.4/22

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 830.651+/-0.150 χ^2/NDF:2523108.0/26

Out: 795.681+/-0.144 χ^2/NDF:2869199.6/30

All: 812.439+/-0.104 χ^2/NDF: 5420754.5/57



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: 165.286+/-48.796 χ^2/NDF:9.4/10

Left: 165.203+/-34.052 χ^2/NDF: 24.0/22

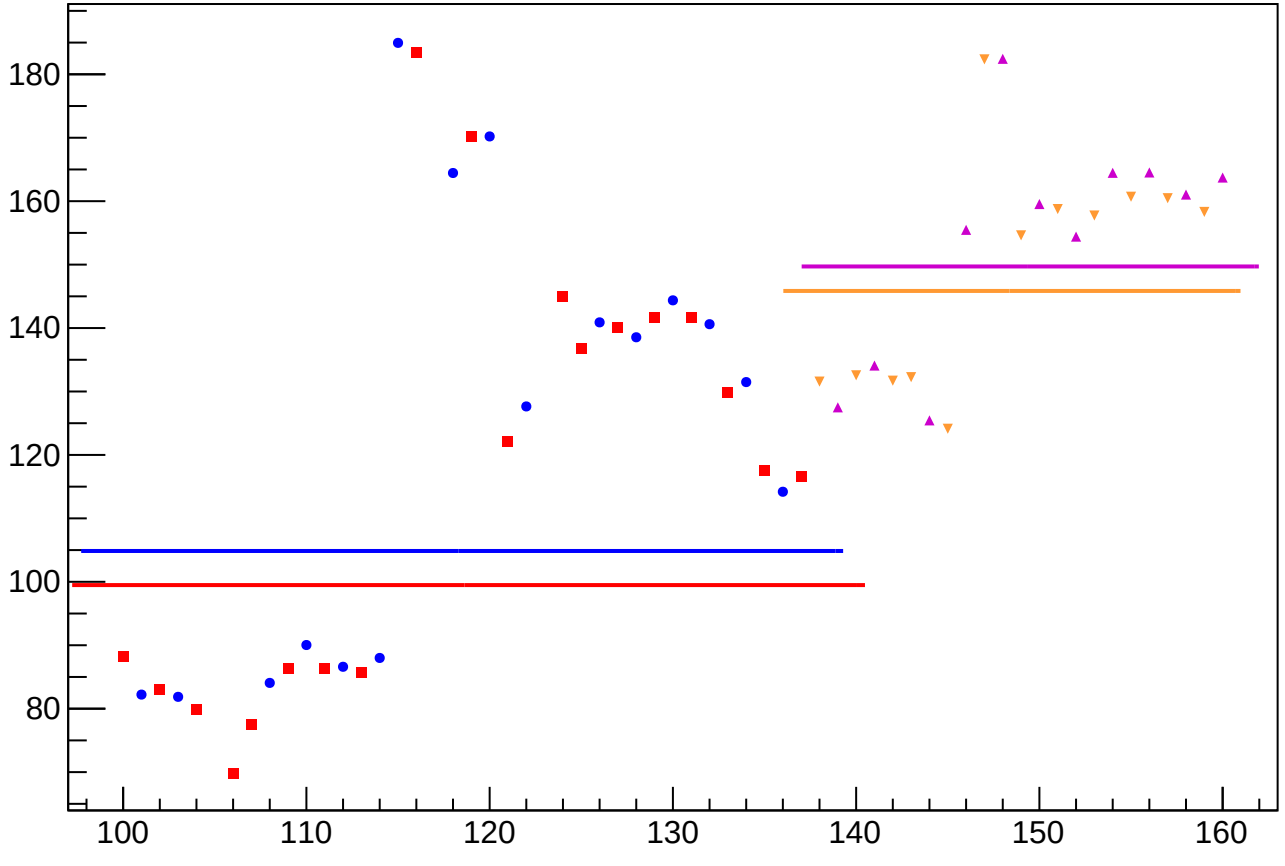
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 71.166+/-31.097 χ^2/NDF:34.5/26

Out: 112.075+/-29.640 χ^2/NDF:33.3/30

All: 92.601+/-21.455 χ^2/NDF: 68.7/57

eigen_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: 149.709+/-0.035 χ^2/NDF:255834.4/10

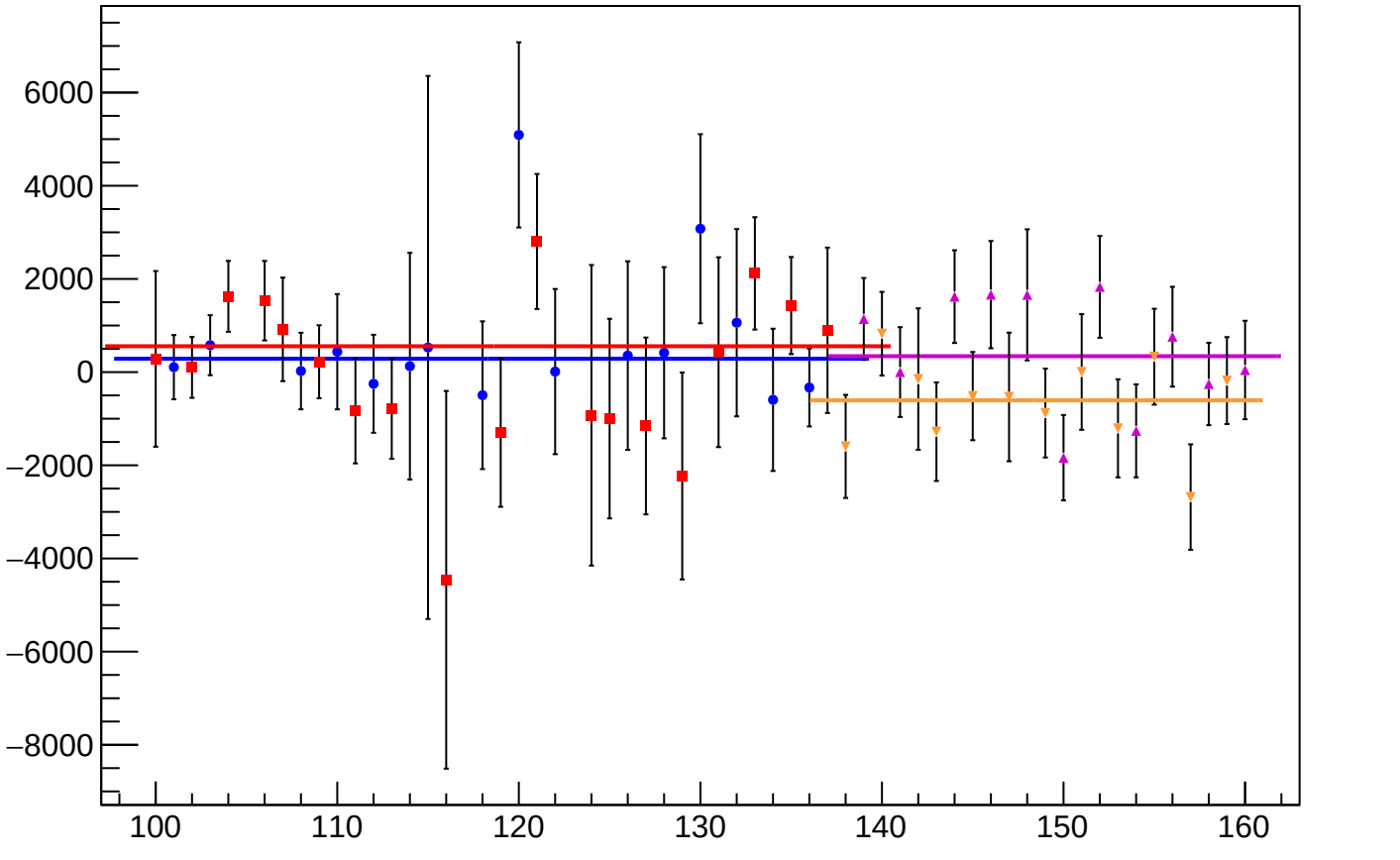
Left: 147.730+/-0.024 χ^2/NDF: 505139.1/22

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 123.075+/-0.022 χ^2/NDF:2190431.6/26

Out: 117.505+/-0.021 χ^2/NDF:2447026.7/30

All: 120.156+/-0.015 χ^2/NDF: 4671074.6/57



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: 341.912+/-305.393 χ^2/NDF:15.6/10

Left: -127.828+/-216.825 χ^2/NDF: 29.2/22

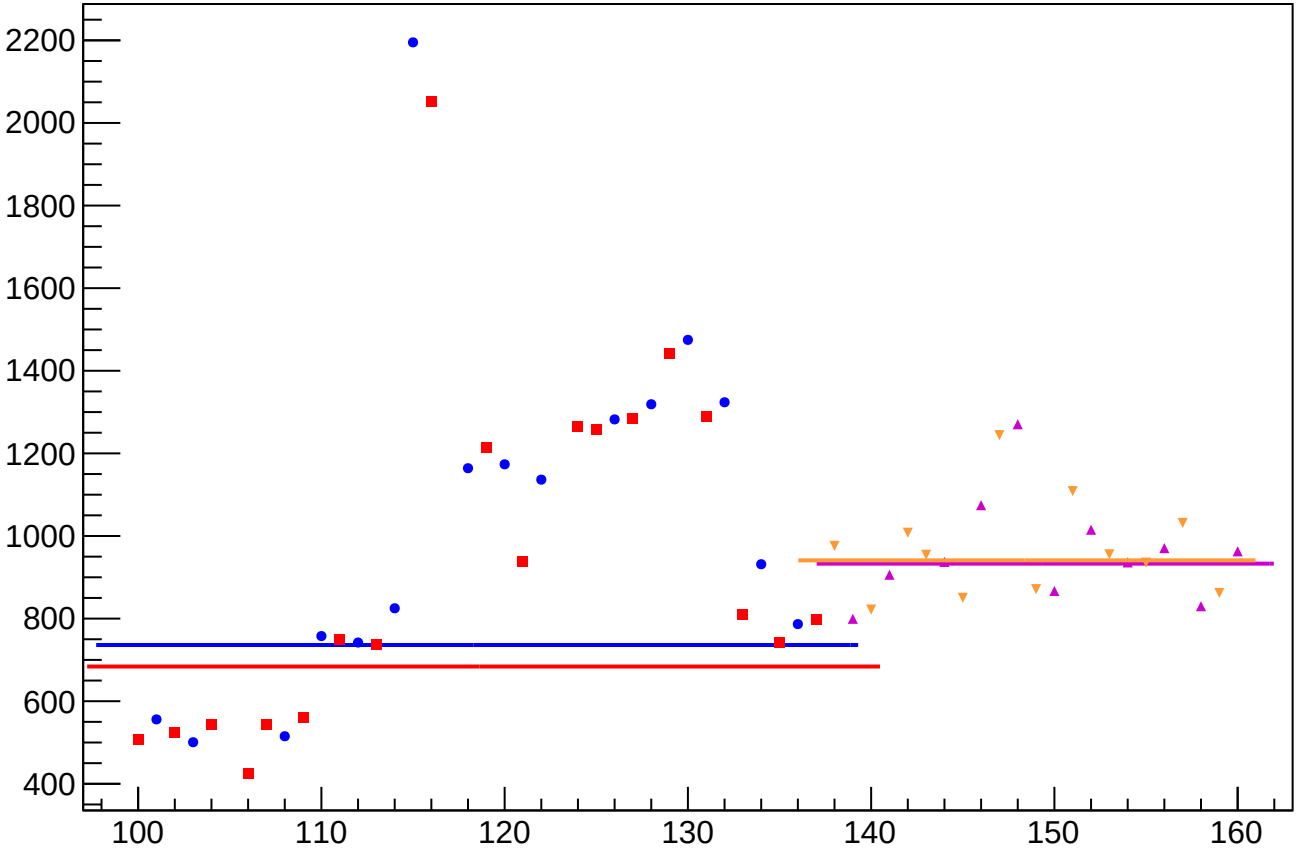
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 313.321+/-211.605 χ^2/NDF:25.3/26

Out: 50.957+/-202.982 χ^2/NDF:35.0/30

All: 176.684+/-146.484 χ^2/NDF: 61.0/57

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: 933.057+/-0.216 χ^2/NDF:246052.6/10

Left: 936.989+/-0.153 χ^2/NDF: 477656.4/22

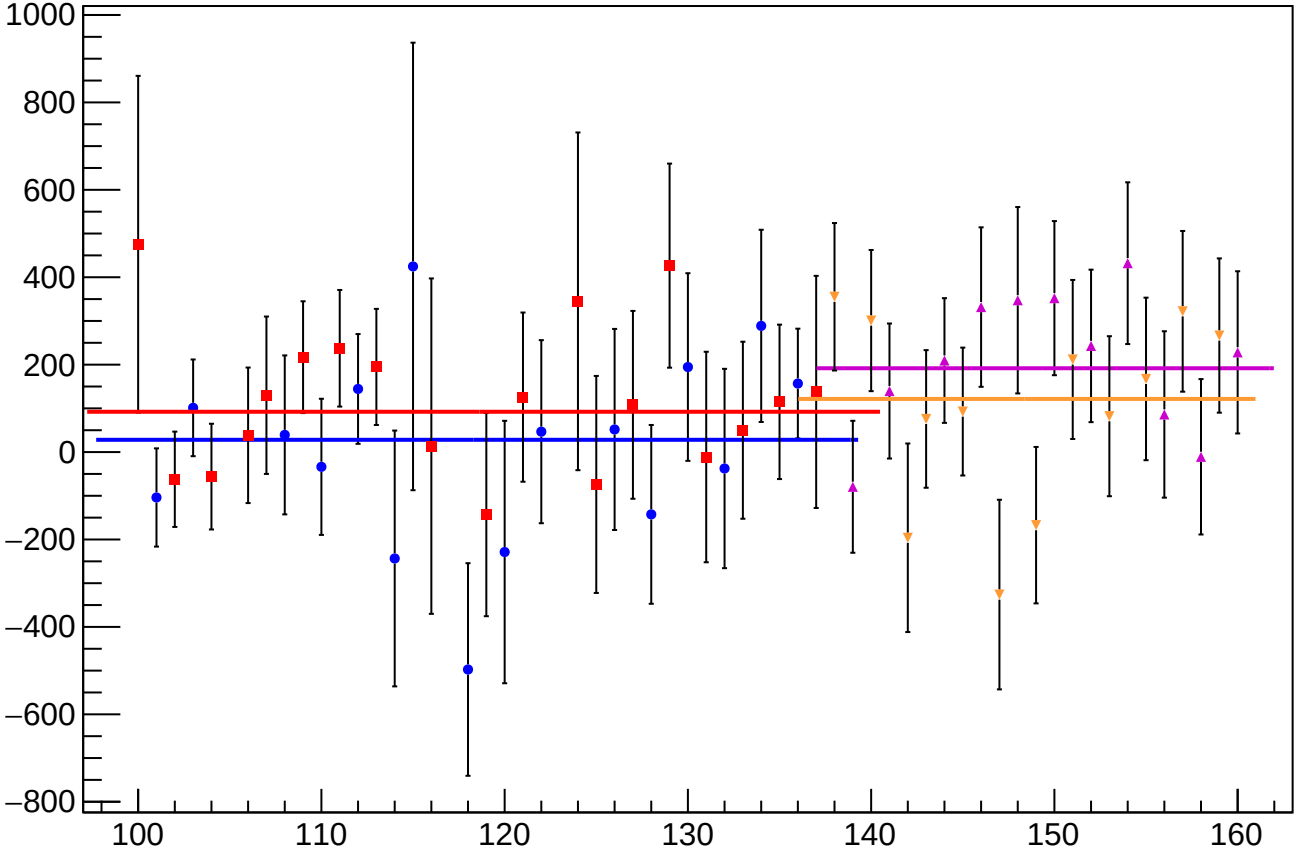
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 830.651+/-0.150 χ^2/NDF:2523108.0/26

Out: 795.681+/-0.144 χ^2/NDF:2869199.6/30

All: 812.439+/-0.104 χ^2/NDF: 5420754.5/57

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: 191.787+/-52.020 χ^2/NDF:8.7/10

Left: 155.950+/-36.400 χ^2/NDF: 24.2/22

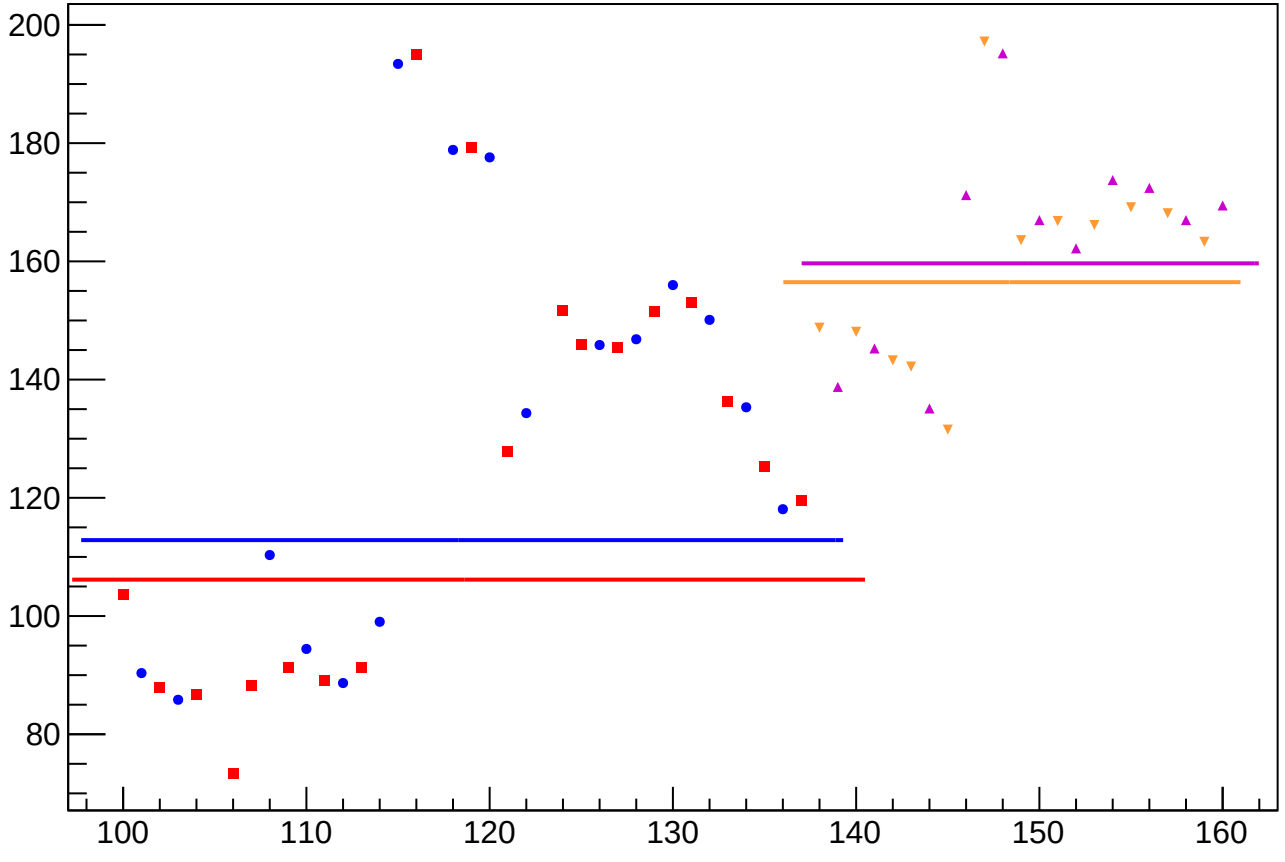
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 95.343+/-33.343 χ^2/NDF:28.1/26

Out: 103.615+/-31.723 χ^2/NDF:26.4/30

All: 99.685+/-22.983 χ^2/NDF: 54.6/57

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: 159.665+/-0.037 χ^2/NDF:211971.7/10

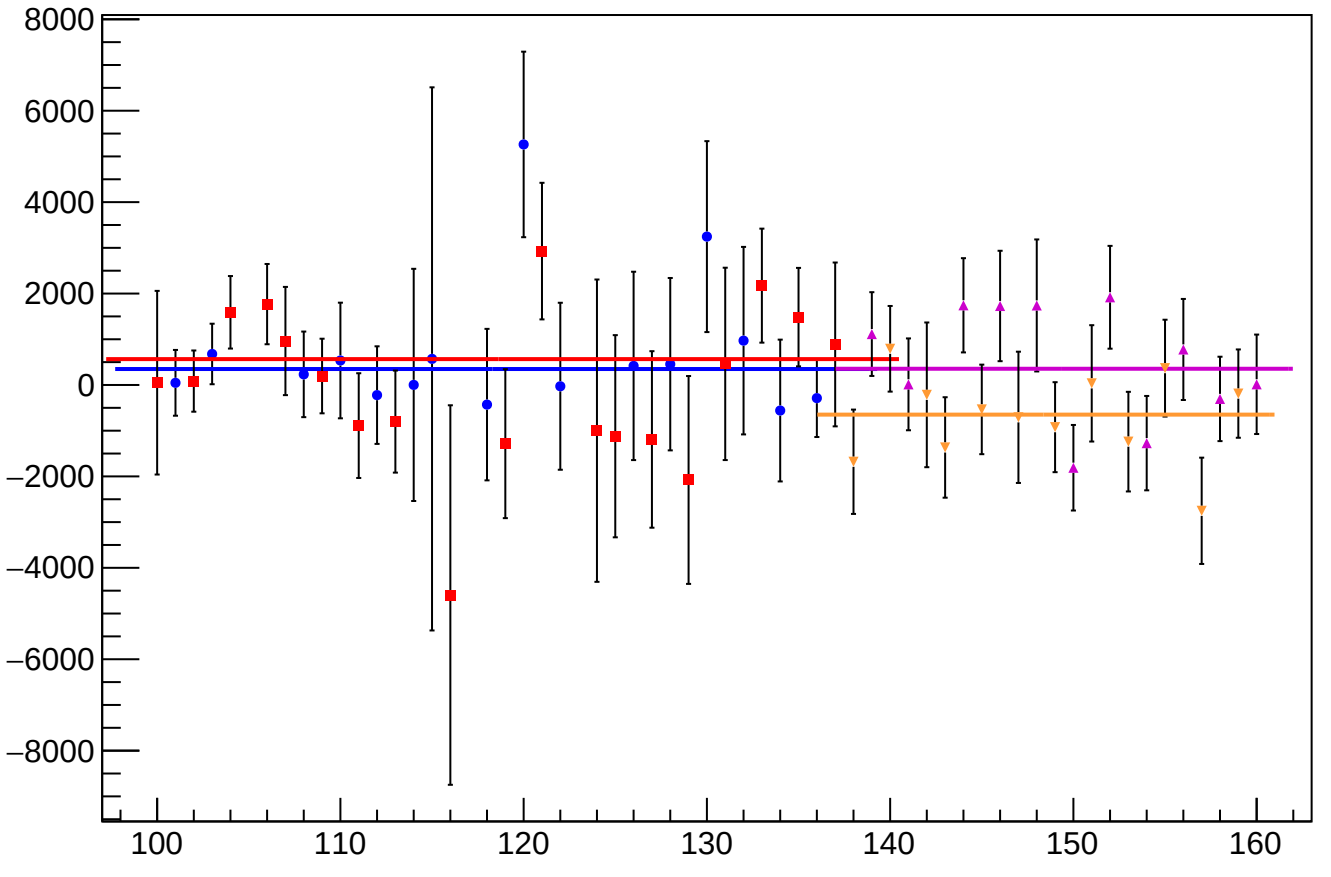
Left: 158.039+/-0.026 χ^2/NDF: 413451.8/22

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 132.079+/-0.024 χ^2/NDF:2038844.1/26

Out: 125.666+/-0.022 χ^2/NDF:2394413.1/30

All: 128.713+/-0.016 χ^2/NDF: 4472088.4/57



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: 354.809+/-316.295 χ^2/NDF:15.4/10

Left: -143.301+/-224.444 χ^2/NDF: 29.1/22

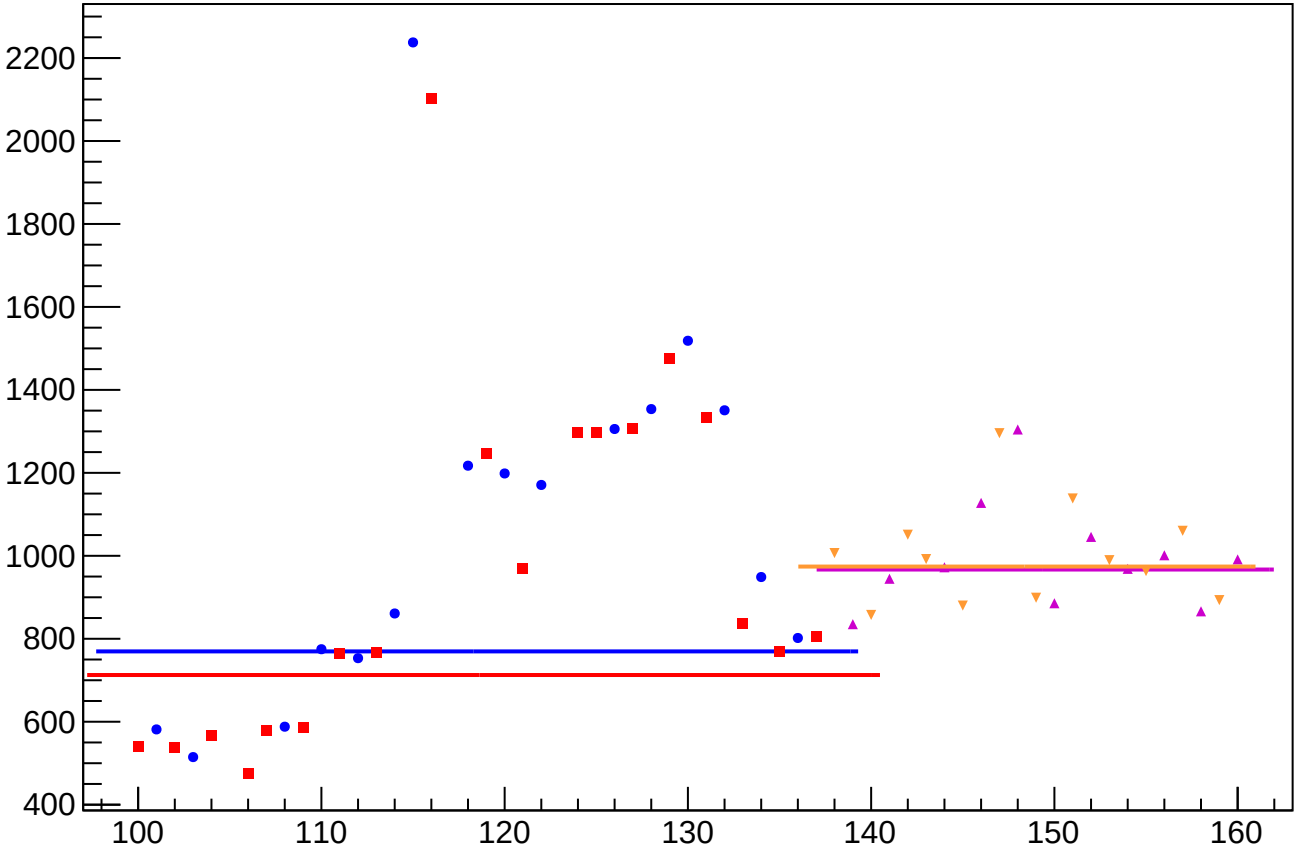
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 351.860+/-219.674 χ^2/NDF:25.2/26

Out: 38.310+/-209.972 χ^2/NDF:35.3/30

All: 188.008+/-151.787 χ^2/NDF: 61.5/57

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: 966.917+/-0.224 χ^2/NDF:238764.6/10

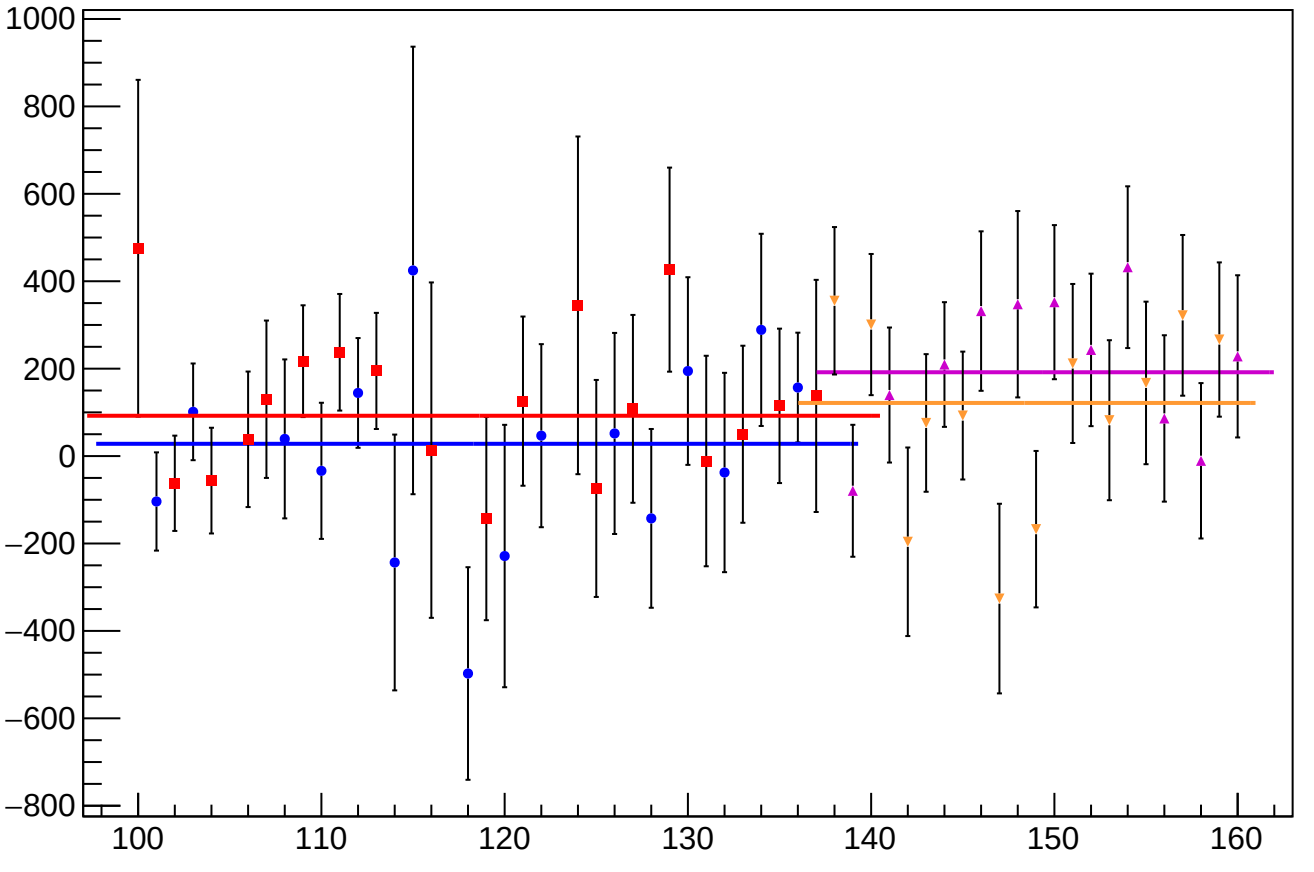
Left: 970.469+/-0.159 χ^2/NDF: 466443.3/22

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 864.756+/-0.155 χ^2/NDF:2381777.3/26

Out: 826.225+/-0.148 χ^2/NDF:2756272.2/30

All: 844.621+/-0.107 χ^2/NDF: 5170204.0/57



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: 191.788+/-52.020 χ^2/NDF:8.7/10

Left: 155.950+/-36.400 χ^2/NDF: 24.2/22

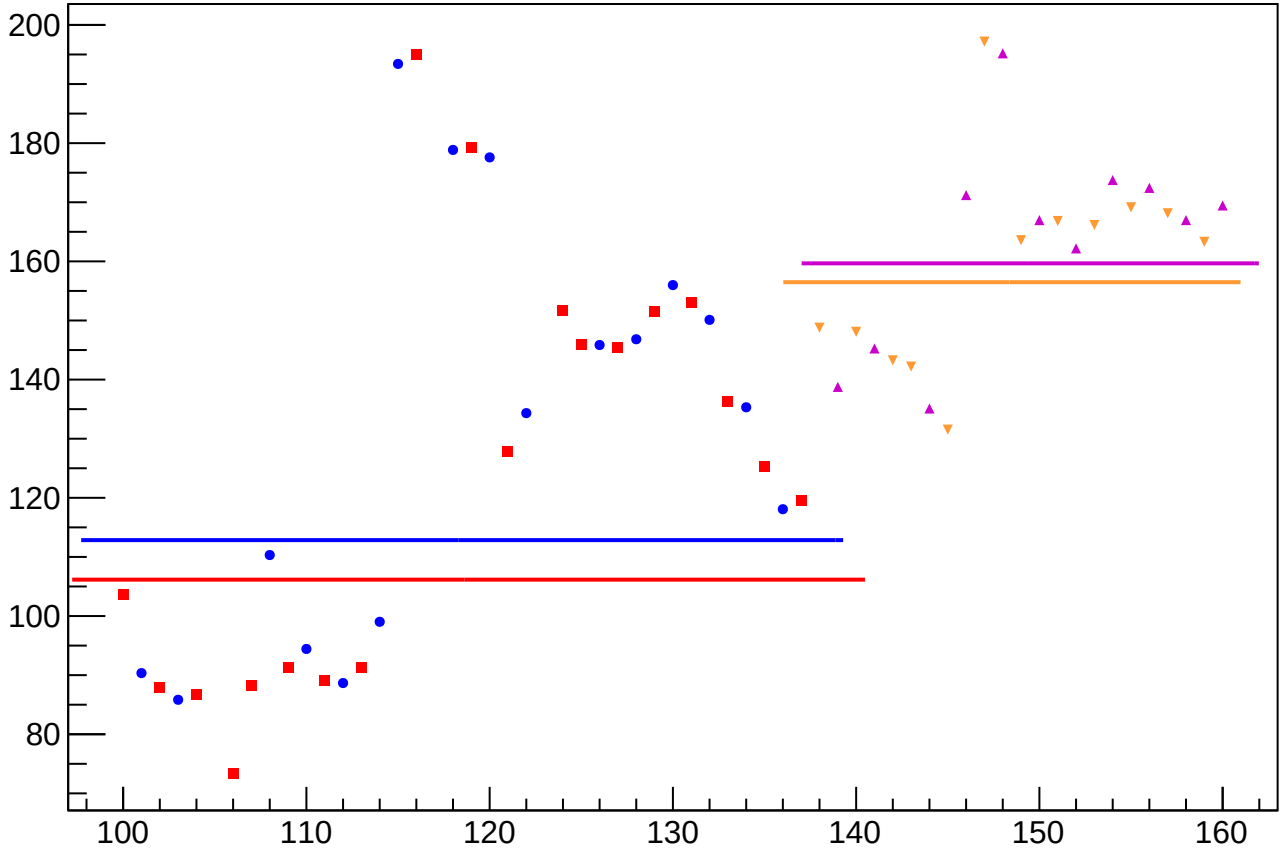
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 95.342+/-33.343 χ^2/NDF:28.1/26

Out: 103.615+/-31.723 χ^2/NDF:26.4/30

All: 99.684+/-22.983 χ^2/NDF: 54.6/57

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: 159.666+/-0.037 χ^2/NDF:211969.2/10

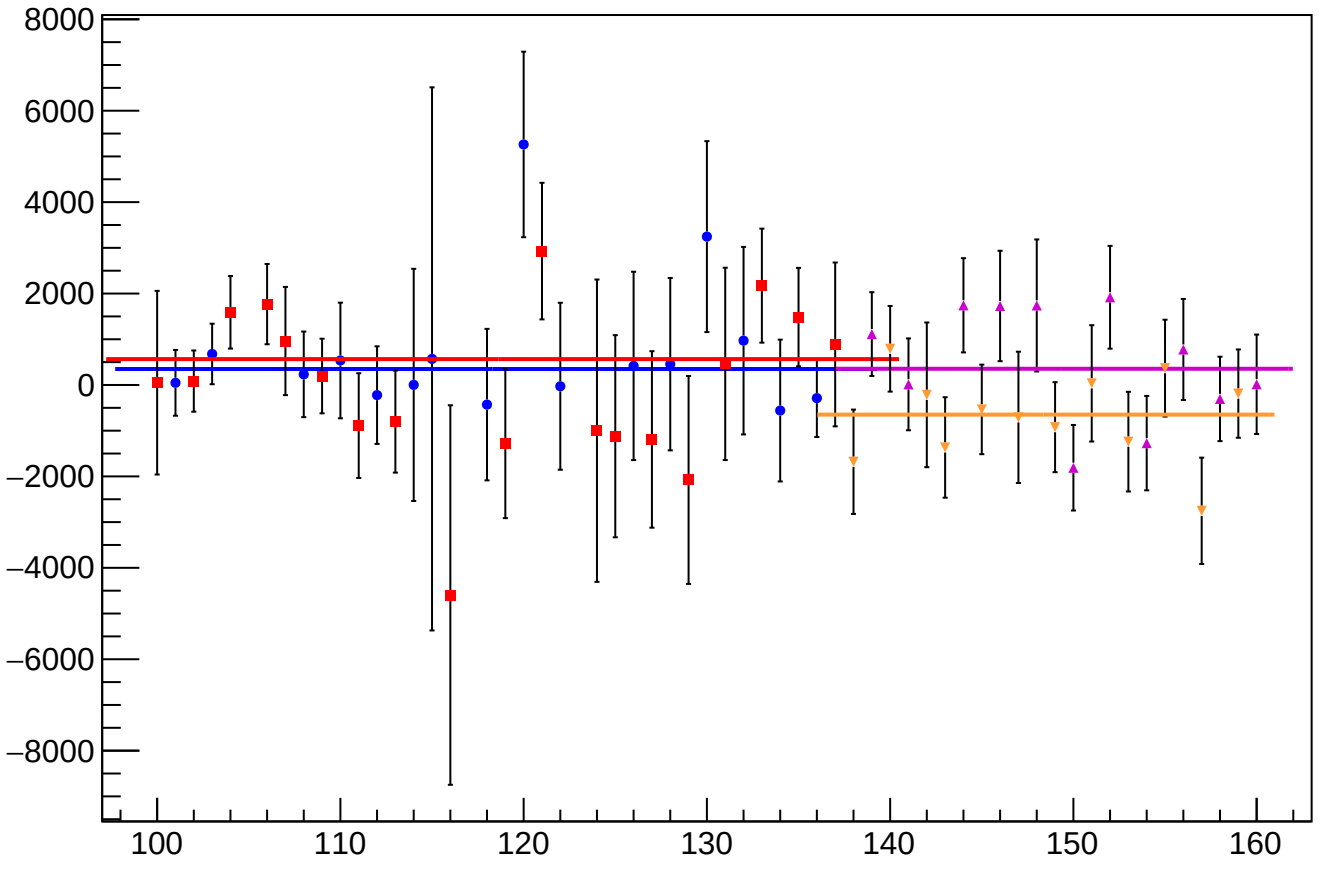
Left: 158.039+/-0.026 χ^2/NDF: 413451.4/22

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 132.078+/-0.024 χ^2/NDF:2038862.3/26

Out: 125.666+/-0.022 χ^2/NDF:2394425.4/30

All: 128.712+/-0.016 χ^2/NDF: 4472118.8/57



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: 354.810+/-316.295 χ^2/NDF:15.4/10

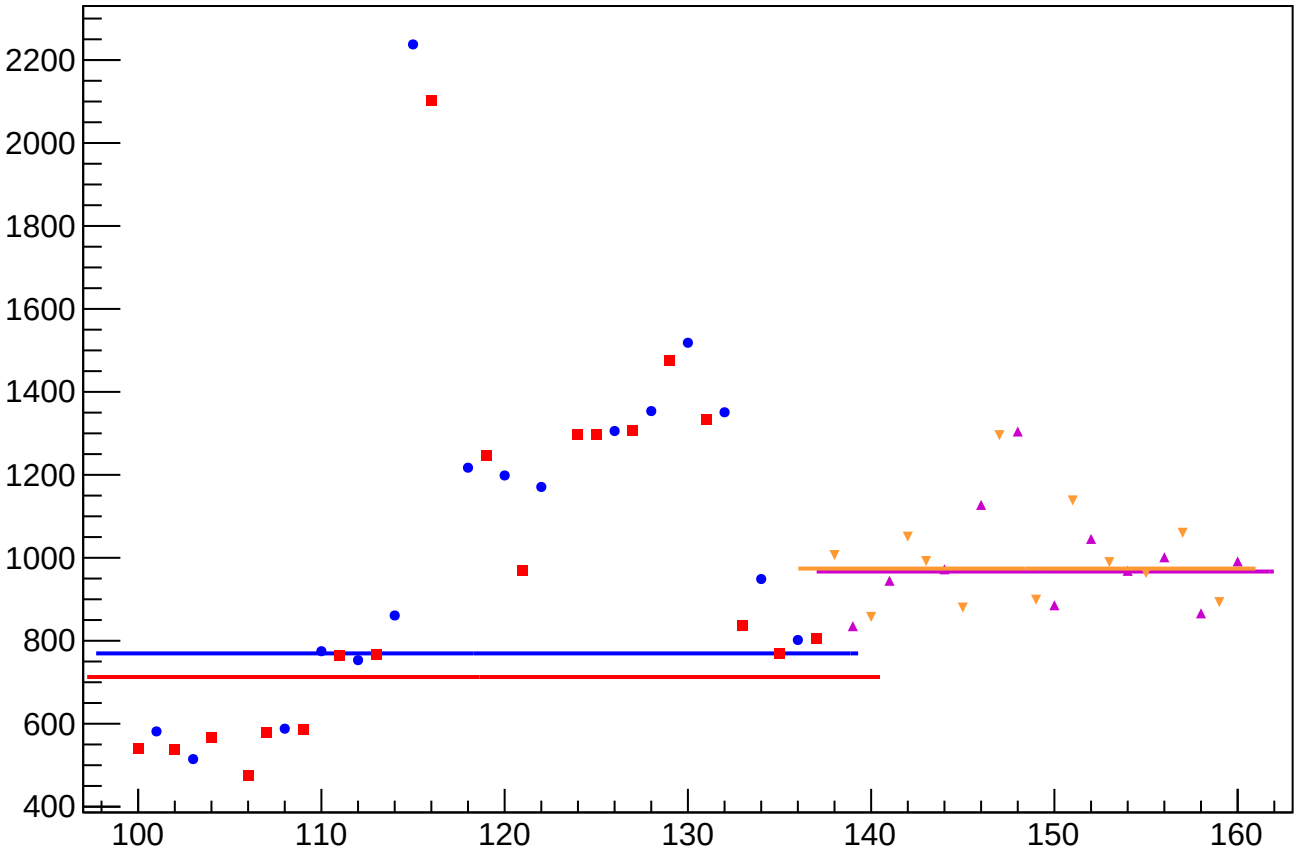
Left: -143.300+/-224.445 χ^2/NDF: 29.1/22

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 351.860+/-219.674 χ^2/NDF:25.2/26

Out: 38.312+/-209.972 χ^2/NDF:35.3/30

All: 188.009+/-151.787 χ^2/NDF: 61.5/57



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: 966.918+/-0.224 χ^2/NDF:238765.8/10

Left: 970.470+/-0.159 χ^2/NDF: 466445.8/22

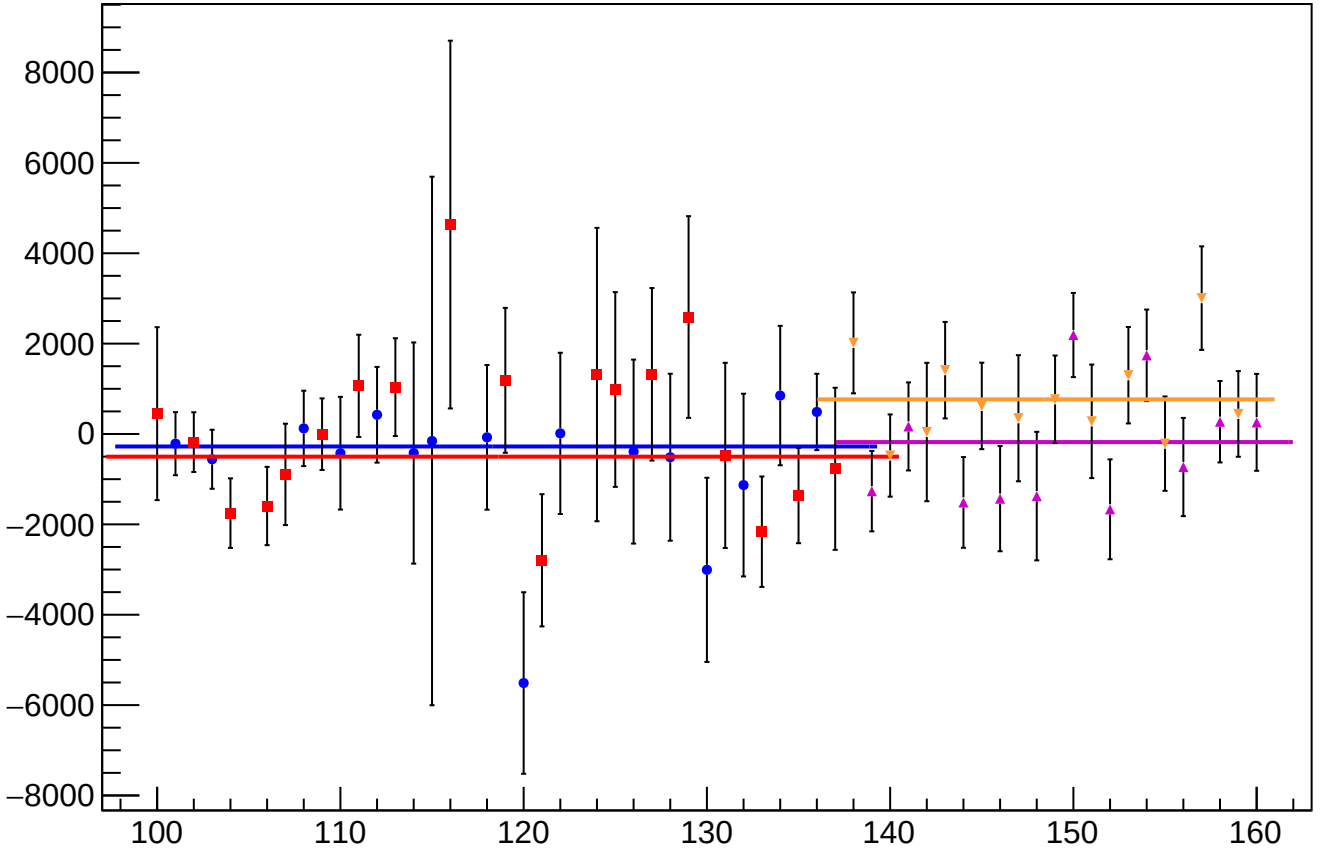
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 864.756+/-0.155 χ^2/NDF:2381787.0/26

Out: 826.225+/-0.148 χ^2/NDF:2756282.9/30

All: 844.621+/-0.107 χ^2/NDF: 5170224.5/57

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: -179.001+/-309.567 χ^2/NDF:17.8/10

Left: 290.214+/-219.679 χ^2/NDF: 31.5/22

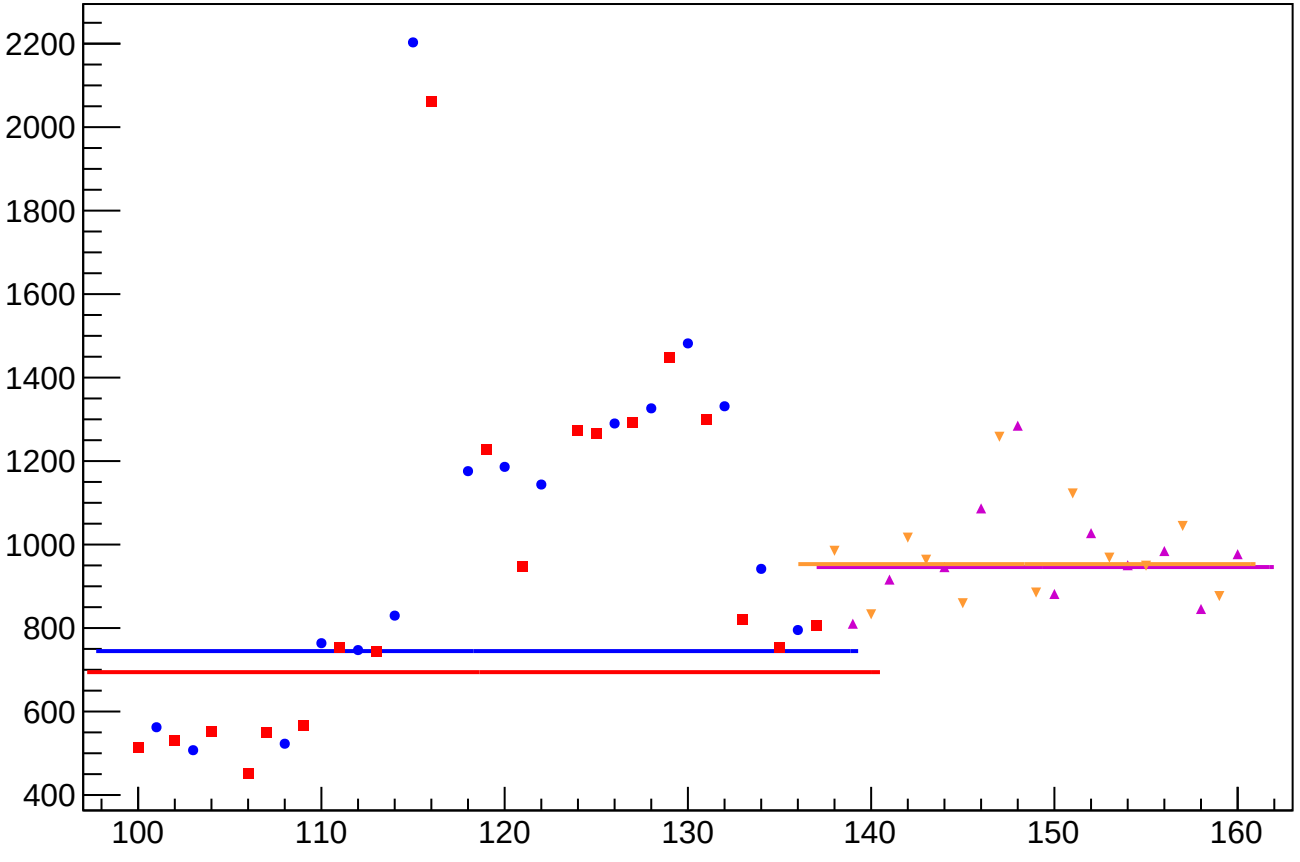
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -229.660+/-214.206 χ^2/NDF:28.9/26

Out: 48.329+/-205.390 χ^2/NDF:38.9/30

All: -84.828+/-148.251 χ^2/NDF: 68.7/57

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: 946.116+/-0.219 χ^2/NDF:240476.0/10

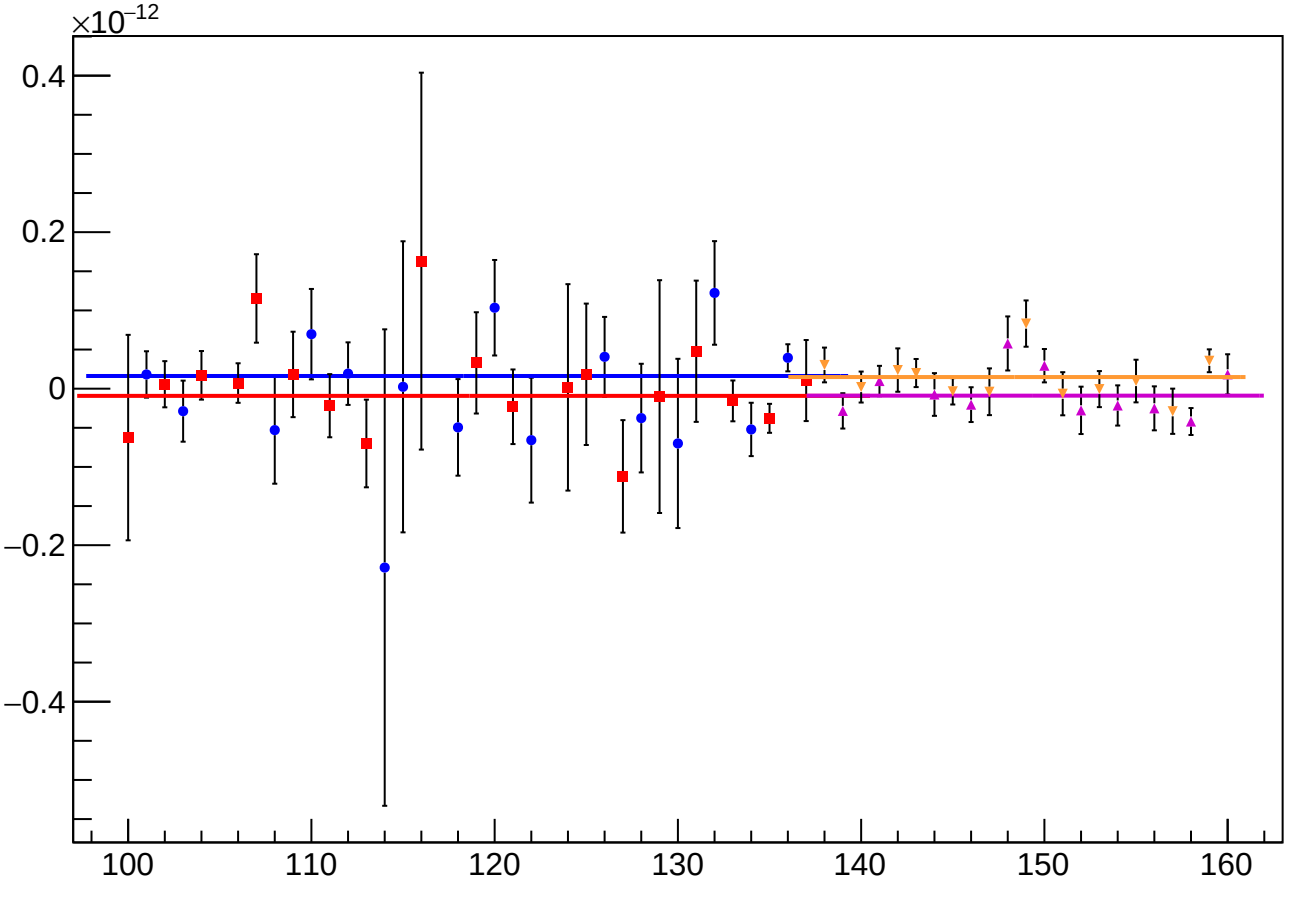
Left: 949.608+/-0.155 χ^2/NDF: 468412.2/22

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 841.181+/-0.151 χ^2/NDF:2503945.9/26

Out: 806.653+/-0.145 χ^2/NDF:2811177.5/30

All: 823.192+/-0.105 χ^2/NDF: 5342197.5/57



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:14.7/10

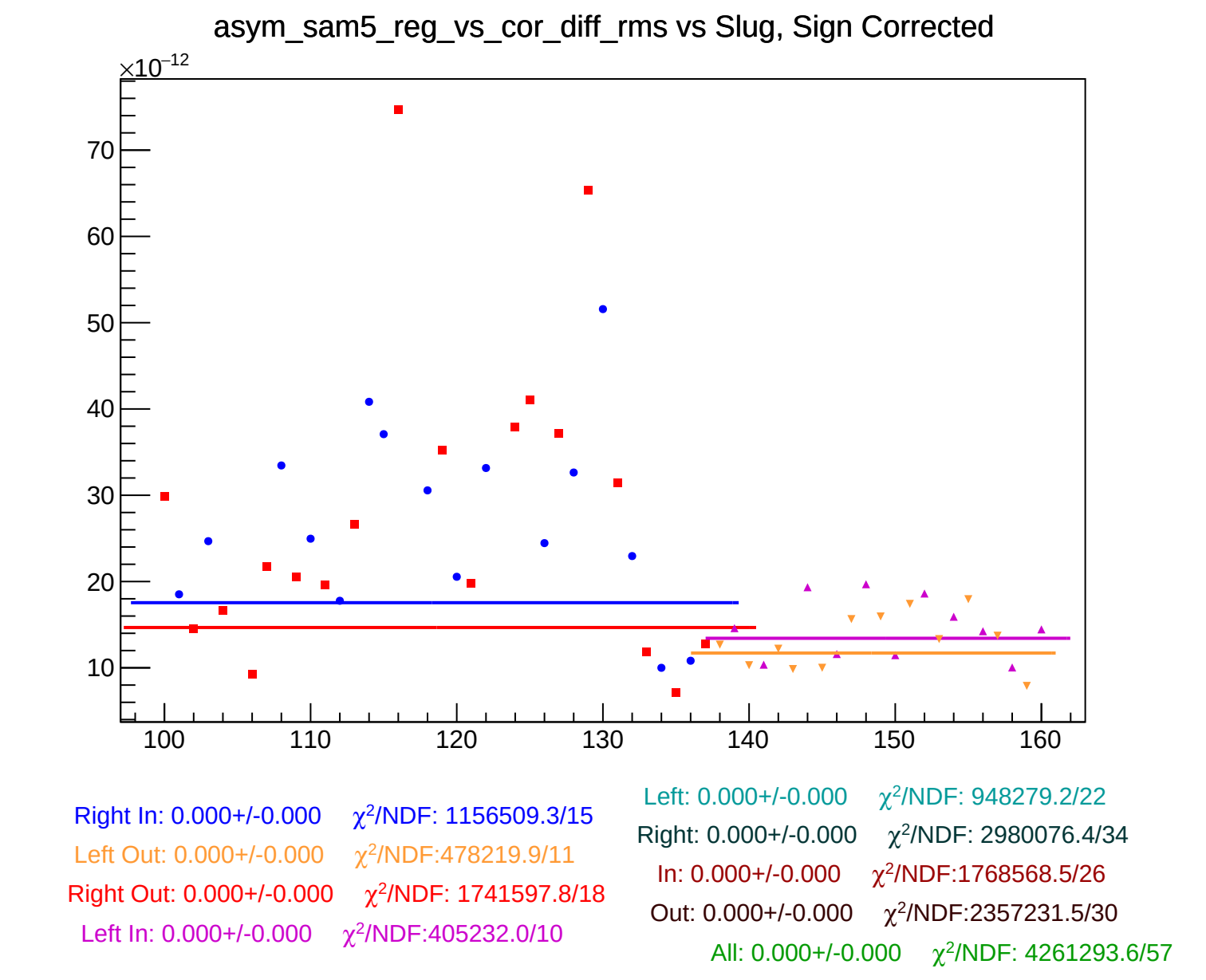
Left: 0.000+/-0.000 χ^2/NDF: 34.3/22

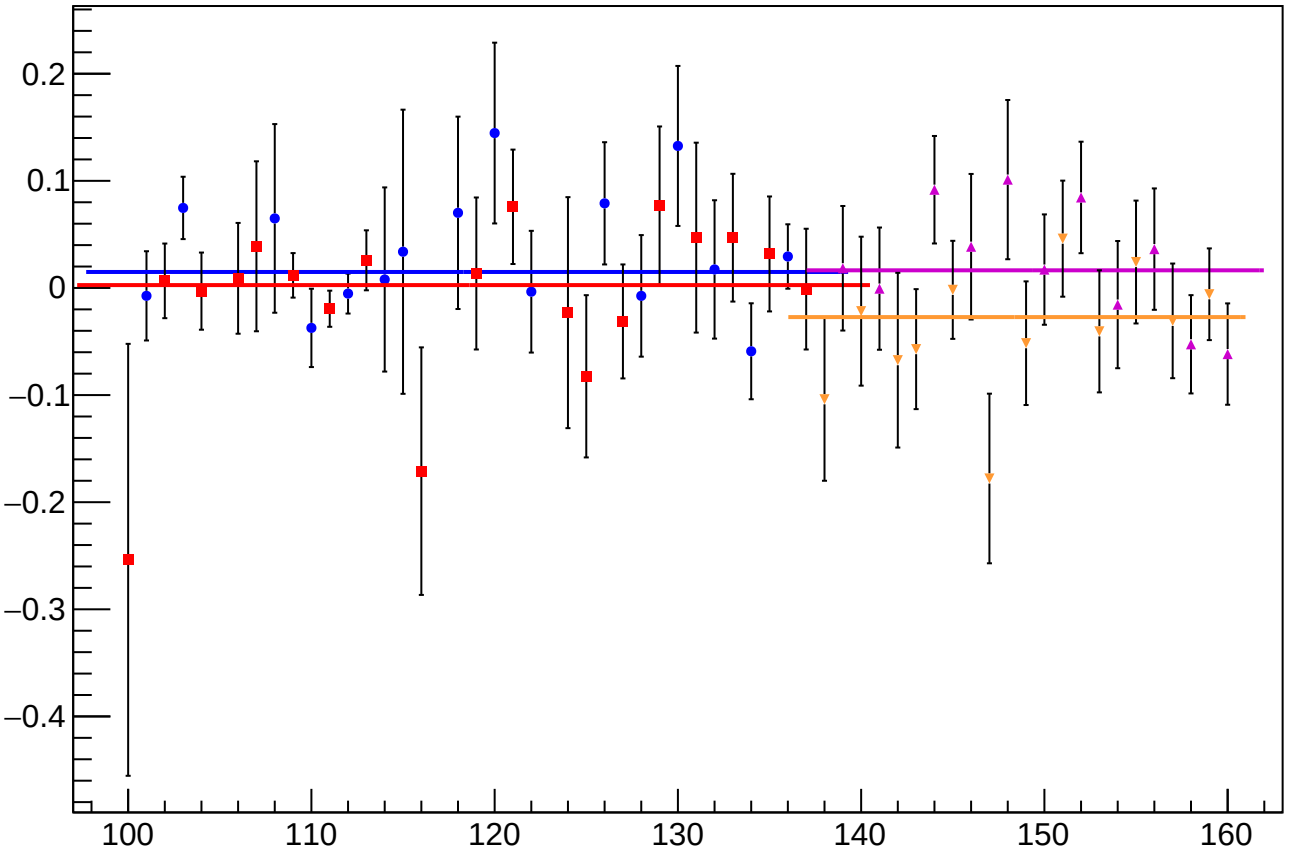
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:36.5/26

Out: 0.000+/-0.000 χ^2/NDF:32.0/30

All: 0.000+/-0.000 χ^2/NDF: 69.7/57


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:405232.0/10
Left: 0.000+/-0.000 χ²/NDF: 948279.2/22
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1768568.5/26
Out: 0.000+/-0.000 χ²/NDF:2357231.5/30
All: 0.000+/-0.000 χ²/NDF: 4261293.6/57



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: 0.016+/-0.017 χ^2/NDF:10.9/10

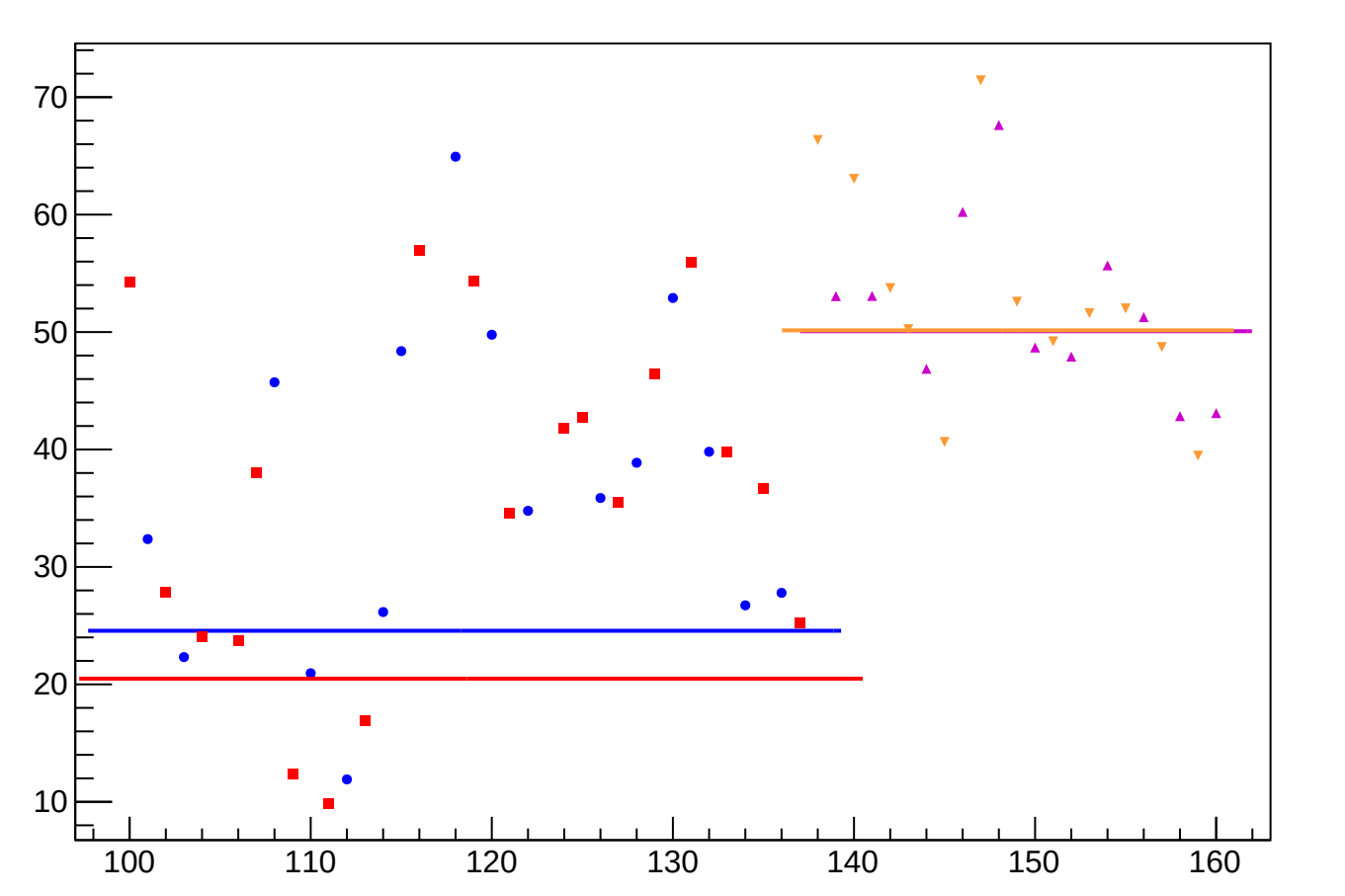
Left: -0.005+/-0.012 χ^2/NDF: 22.9/22

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.005+/-0.006 χ^2/NDF: 54.9/57



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: 50.073+/-0.012 χ^2/NDF:292003.6/10

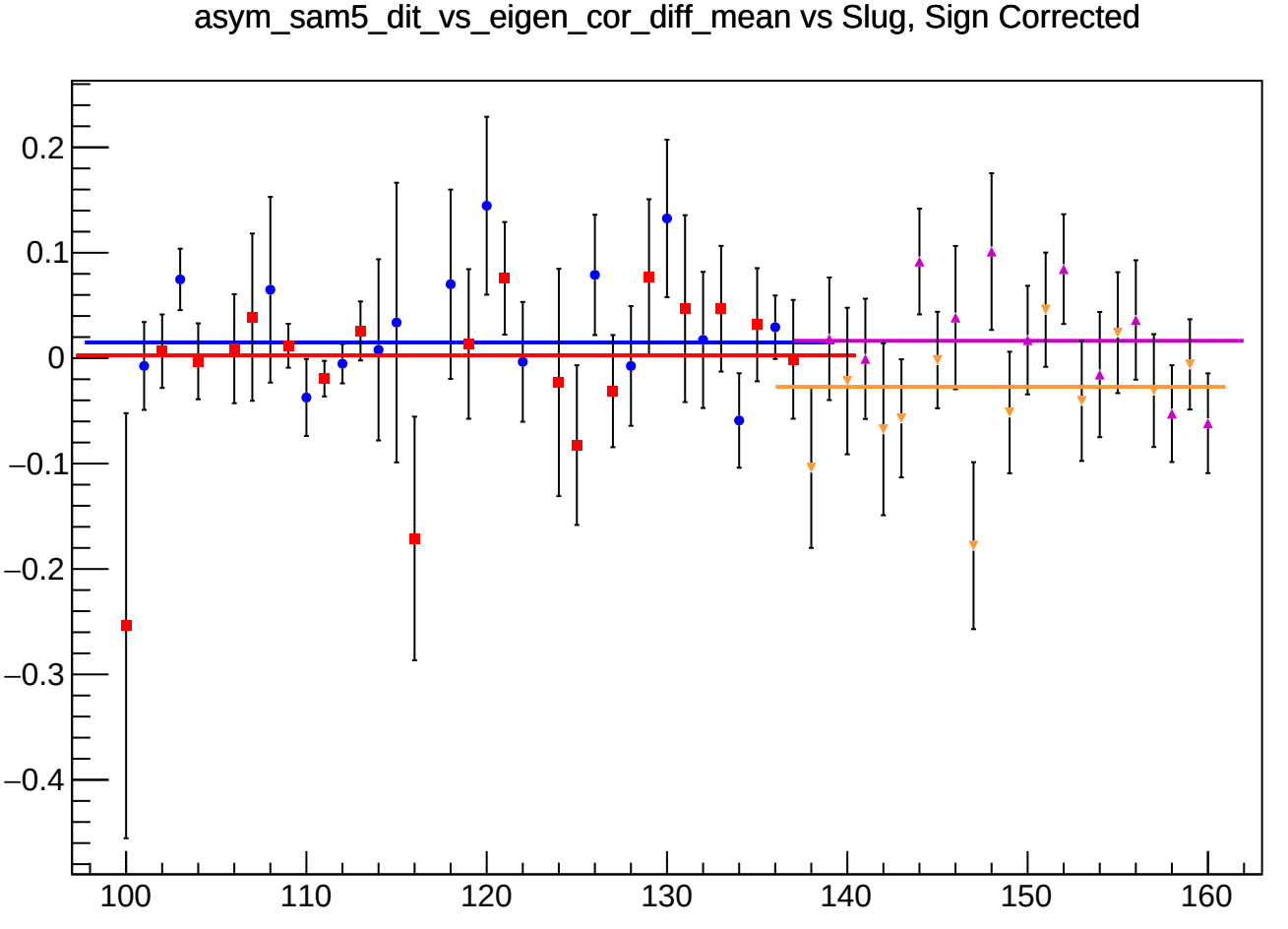
Left: 50.110+/-0.008 χ^2/NDF: 819748.4/22

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.987+/-0.006 χ^2/NDF:6153981.7/26

Out: 27.494+/-0.006 χ^2/NDF:8994190.0/30

All: 29.516+/-0.004 χ^2/NDF: 15427598.8/57



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: 0.016+/-0.017 χ^2/NDF:10.9/10

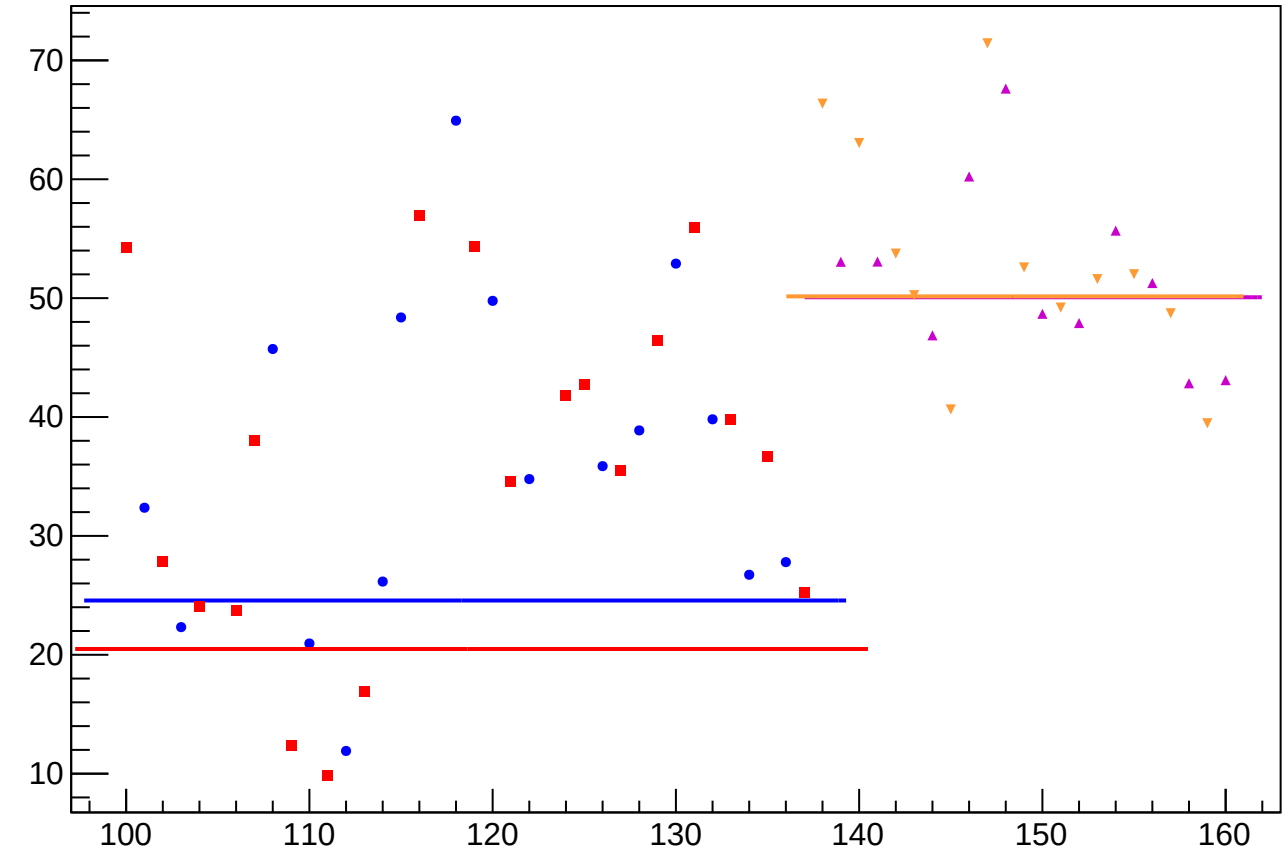
Left: -0.005+/-0.012 χ^2/NDF: 22.9/22

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.005+/-0.006 χ^2/NDF: 54.9/57



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: 50.073+/-0.012 χ^2/NDF:292003.6/10

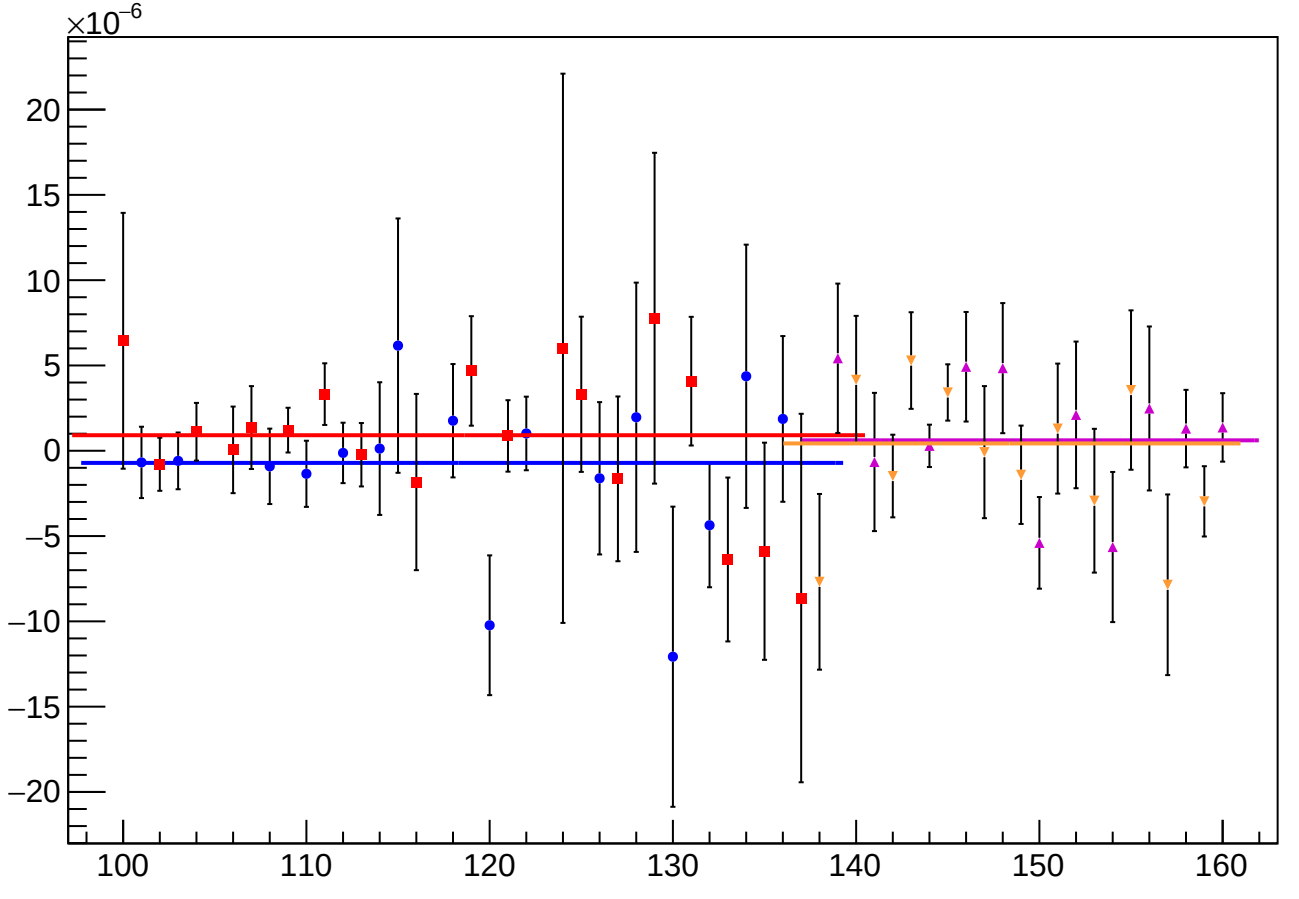
Left: 50.110+/-0.008 χ^2/NDF: 819748.4/22

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.987+/-0.006 χ^2/NDF:6153981.7/26

Out: 27.494+/-0.006 χ^2/NDF:8994190.0/30

All: 29.516+/-0.004 χ^2/NDF: 15427598.8/57



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:11.9/10

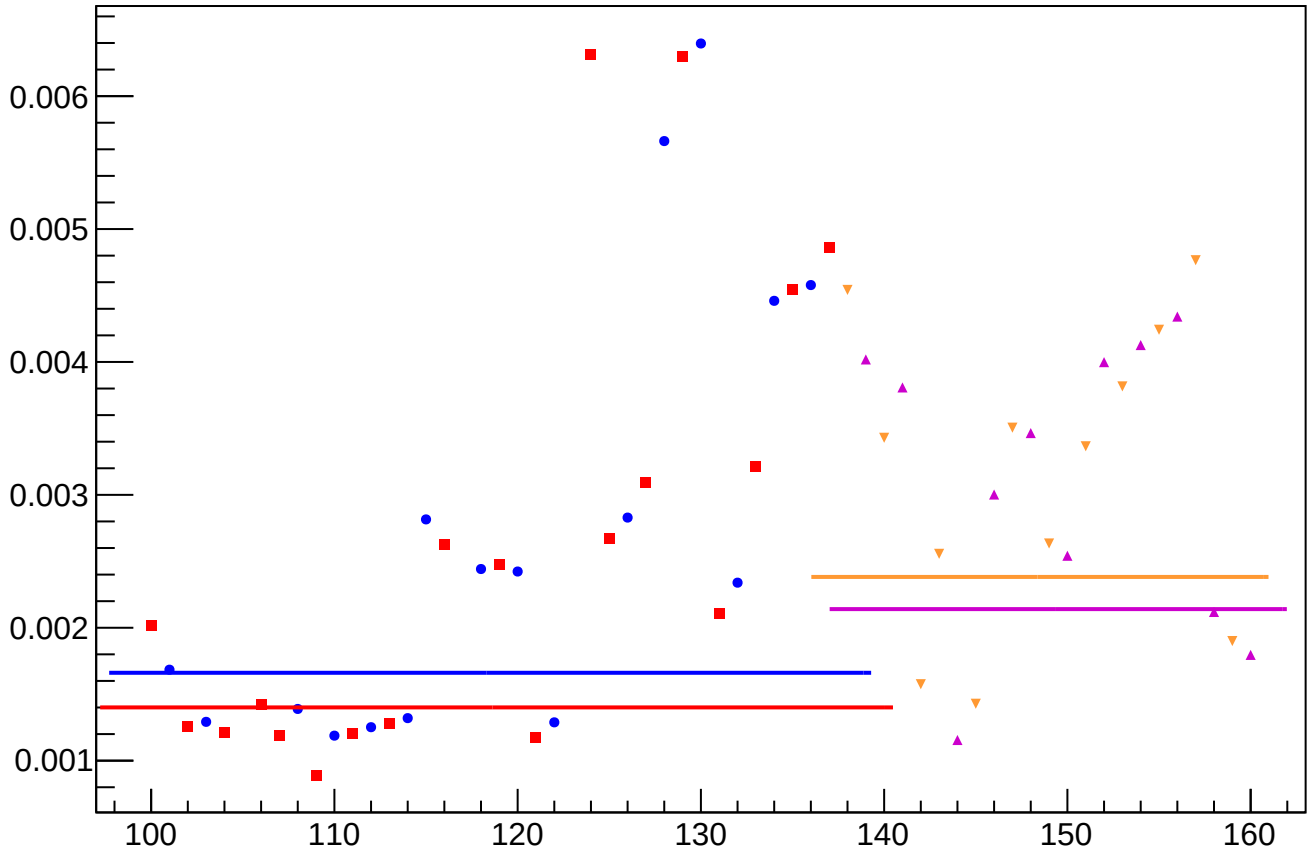
Left: 0.000+/-0.000 χ^2/NDF: 29.0/22

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:24.8/26

Out: 0.000+/-0.000 χ^2/NDF:29.1/30

All: 0.000+/-0.000 χ^2/NDF: 55.4/57



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:3655444.8/10

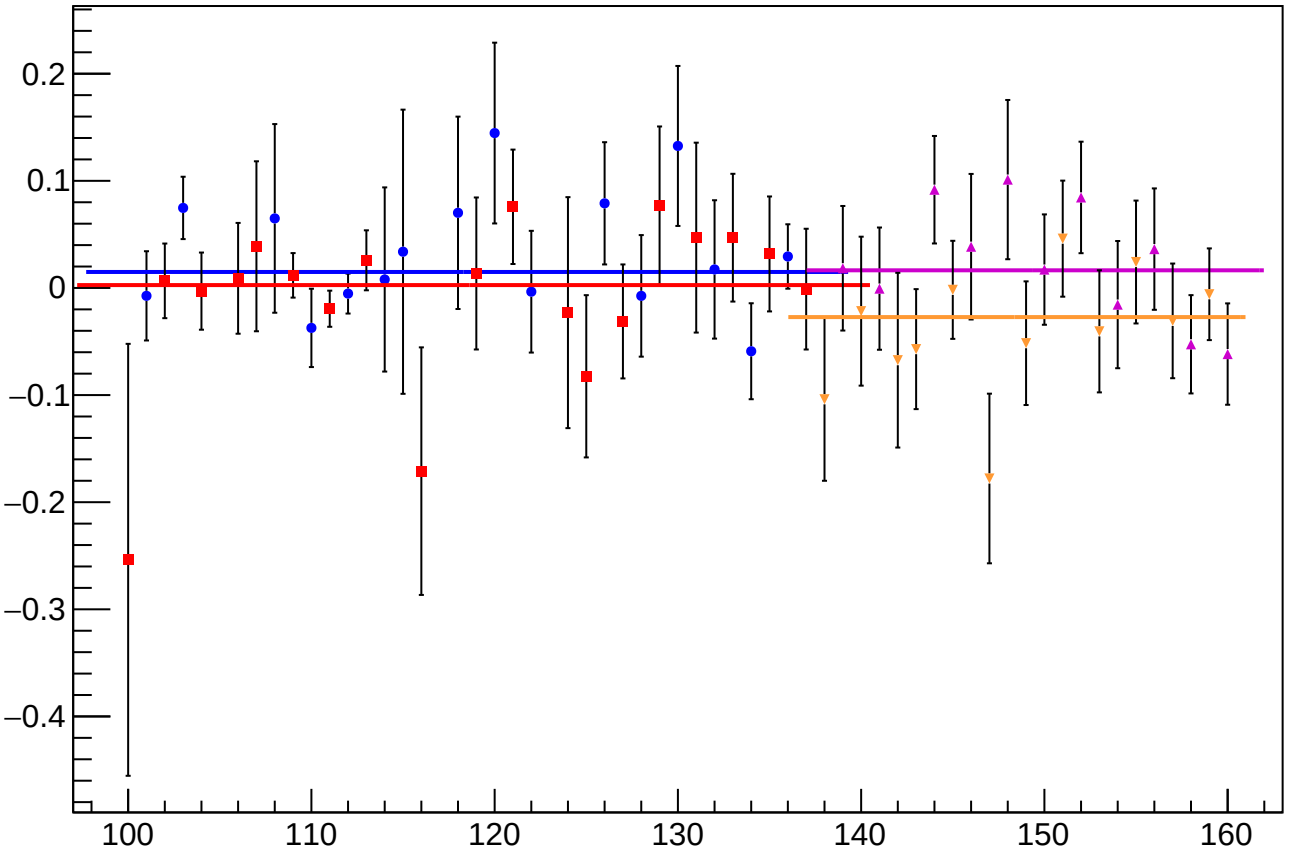
Left: 0.002+/-0.000 χ^2/NDF: 6530008.5/22

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7017560.3/26

Out: 0.002+/-0.000 χ^2/NDF:7521222.4/30

All: 0.002+/-0.000 χ^2/NDF: 14634636.9/57



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: 0.016+/-0.017 χ^2/NDF:10.9/10

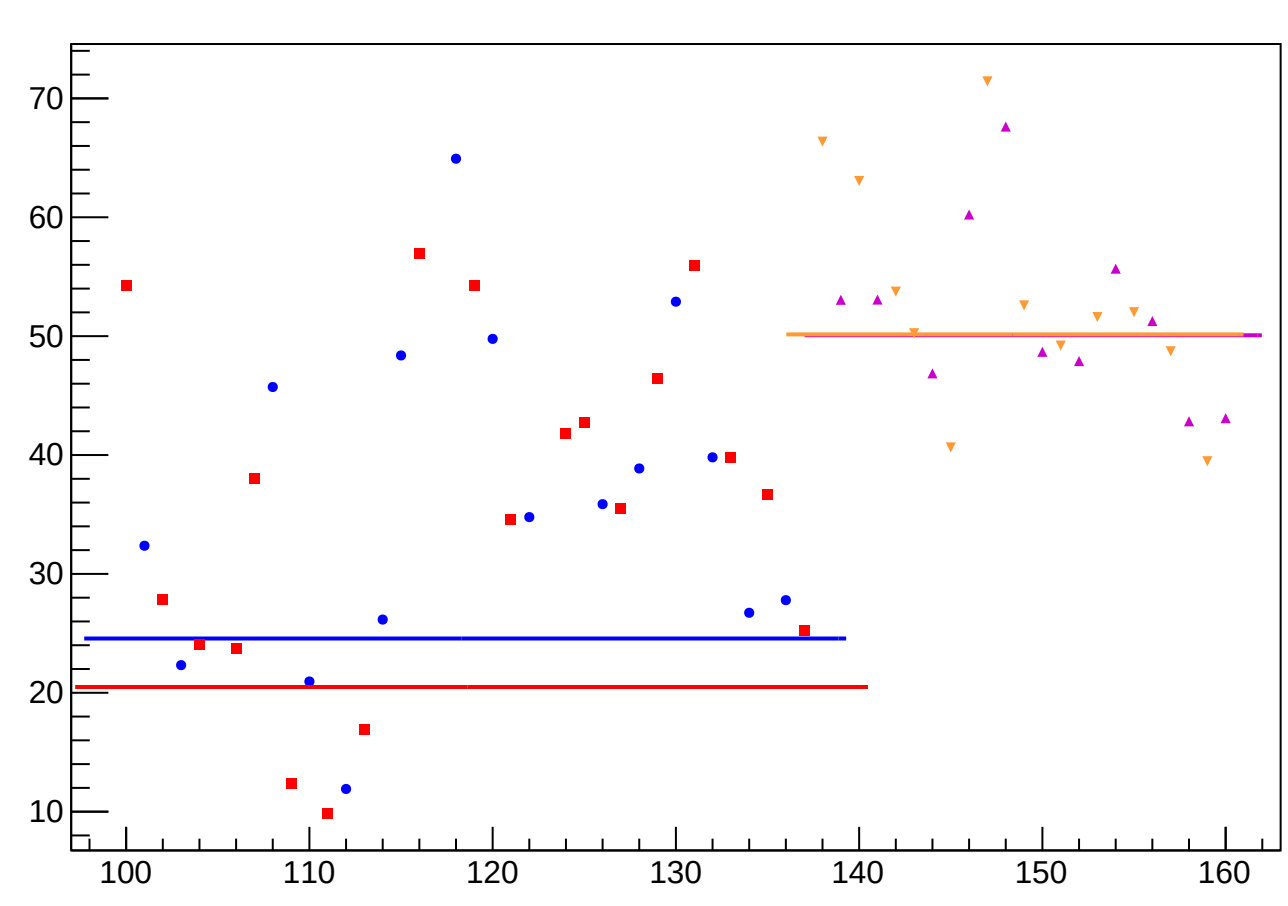
Left: -0.005+/-0.012 χ^2/NDF: 22.9/22

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.005+/-0.006 χ^2/NDF: 54.9/57



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: 50.074+/-0.012 χ^2/NDF:292083.3/10

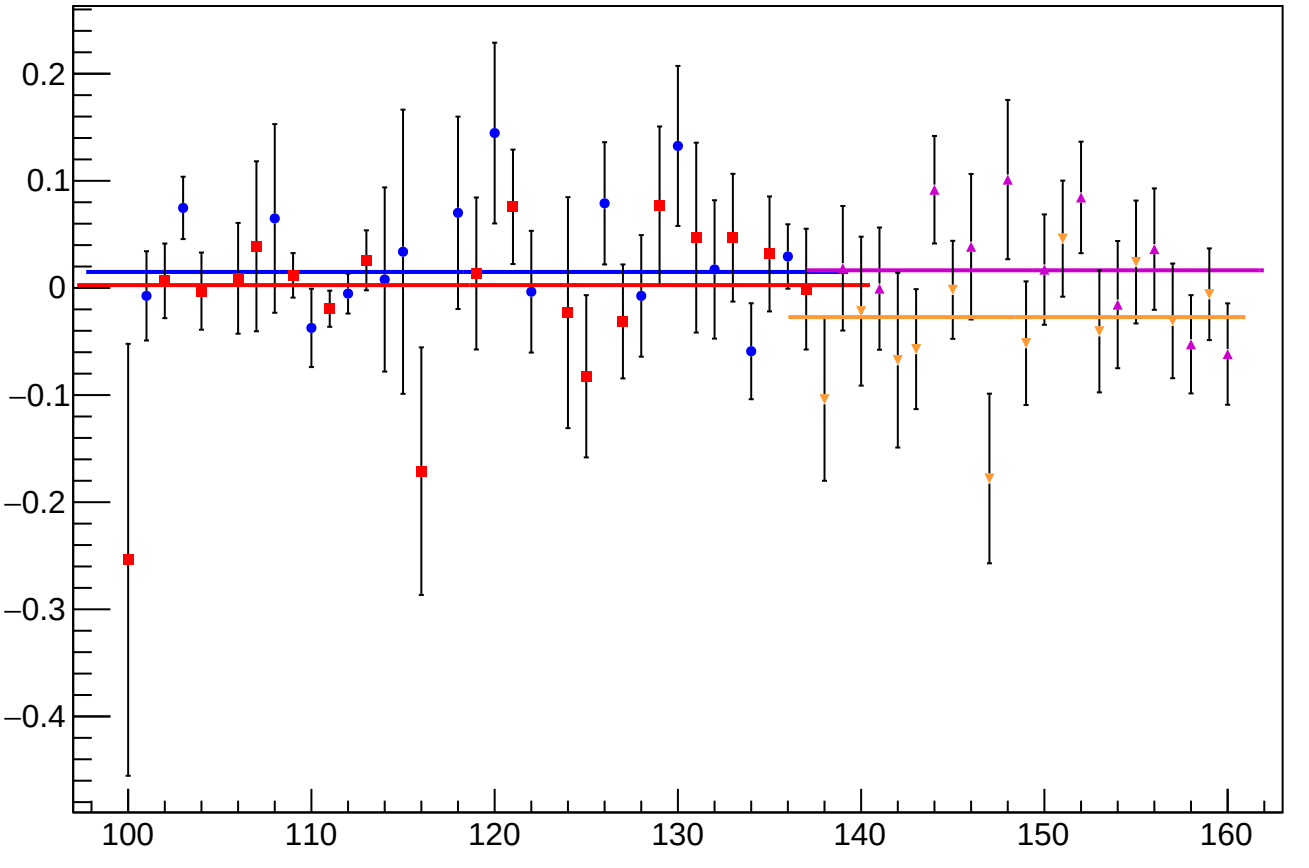
Left: 50.111+/-0.008 χ^2/NDF: 819930.8/22

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.986+/-0.006 χ^2/NDF:6154198.2/26

Out: 27.493+/-0.006 χ^2/NDF:8994480.0/30

All: 29.515+/-0.004 χ^2/NDF: 15428125.1/57



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: 0.016+/-0.017 χ^2/NDF:10.9/10

Left: -0.005+/-0.012 χ^2/NDF: 22.9/22

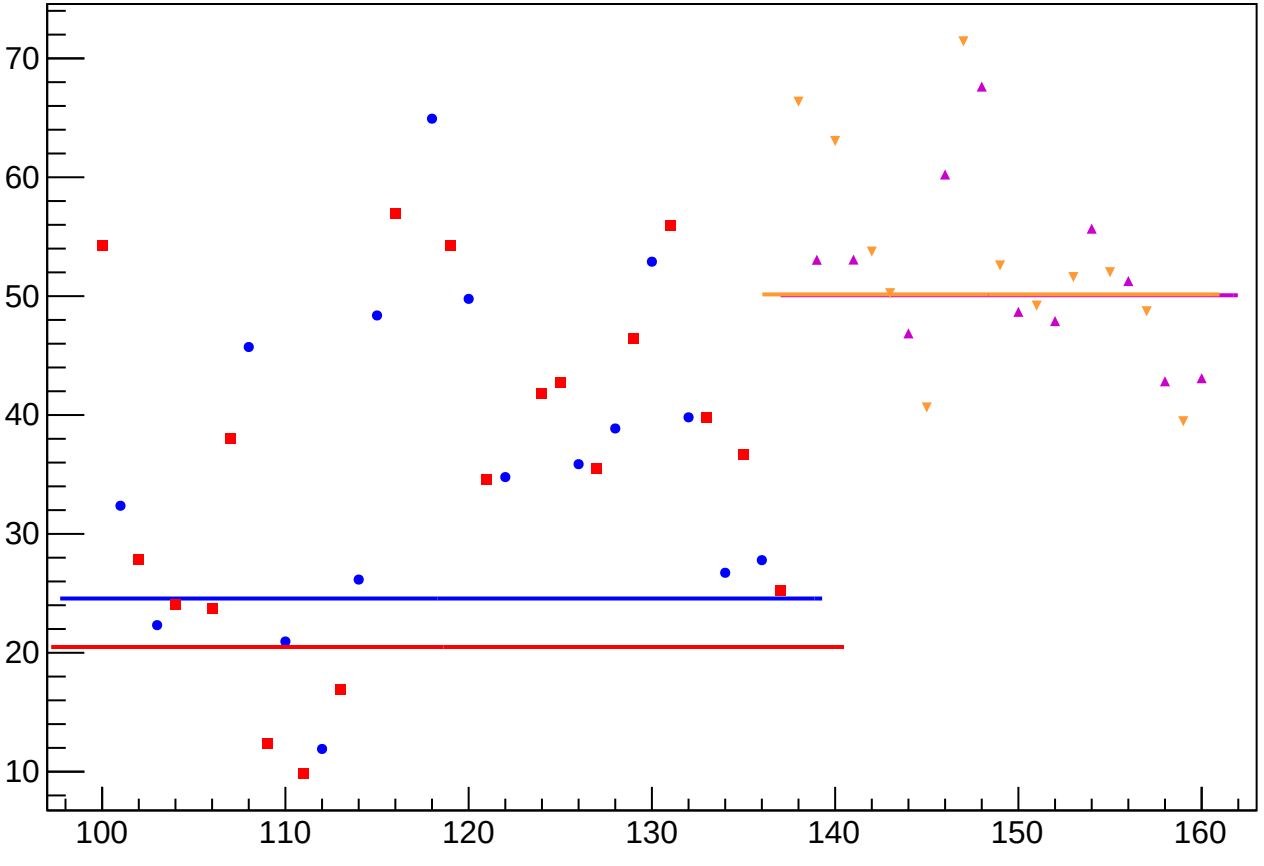
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.5/30

All: 0.005+/-0.006 χ^2/NDF: 54.9/57

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 50.074+/-0.012 χ^2/NDF:292083.3/10

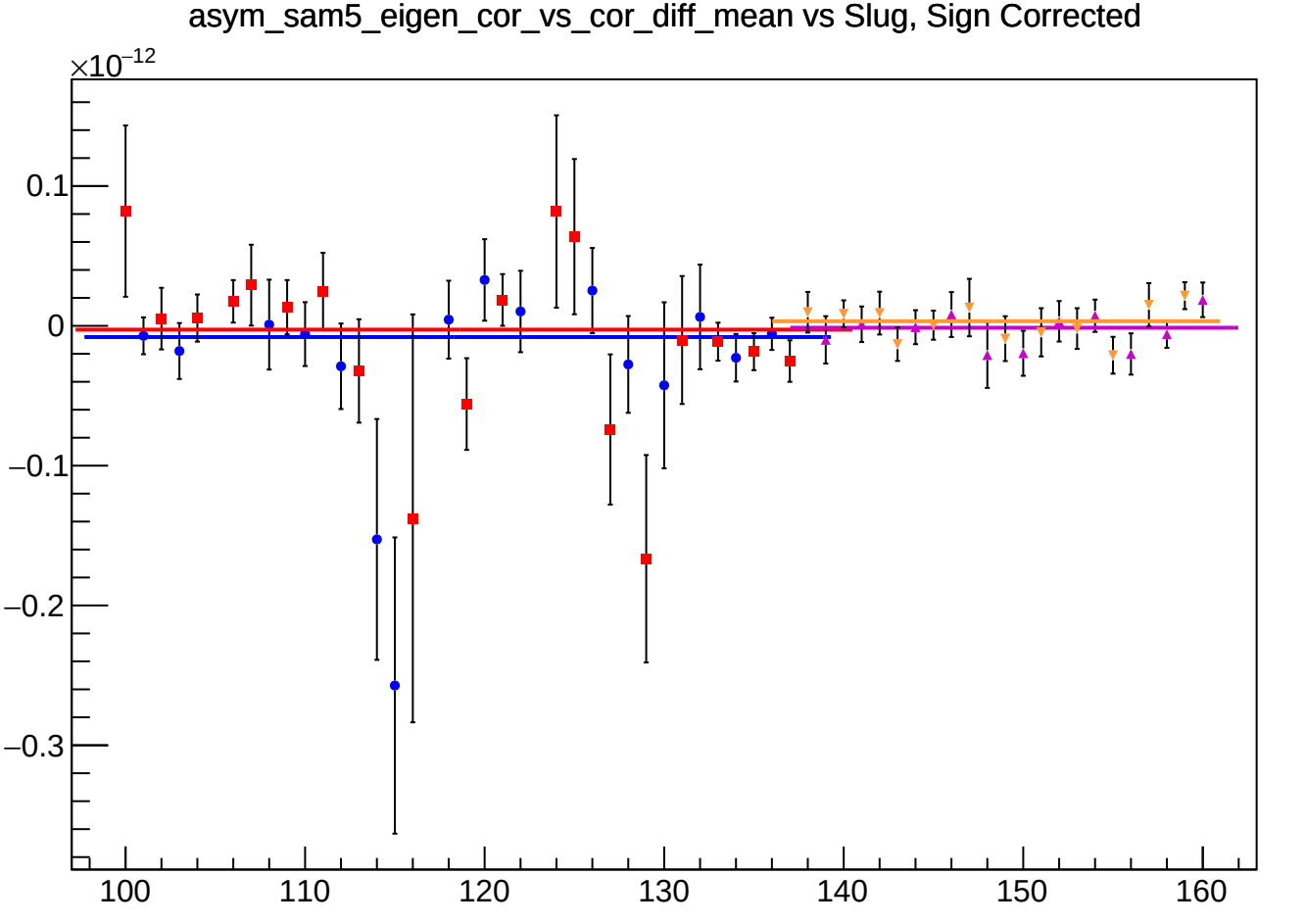
Left: 50.111+/-0.008 χ^2/NDF: 819930.8/22

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.986+/-0.006 χ^2/NDF:6154198.2/26

Out: 27.493+/-0.006 χ^2/NDF:8994480.0/30

All: 29.515+/-0.004 χ^2/NDF: 15428125.1/57



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:7.7/10

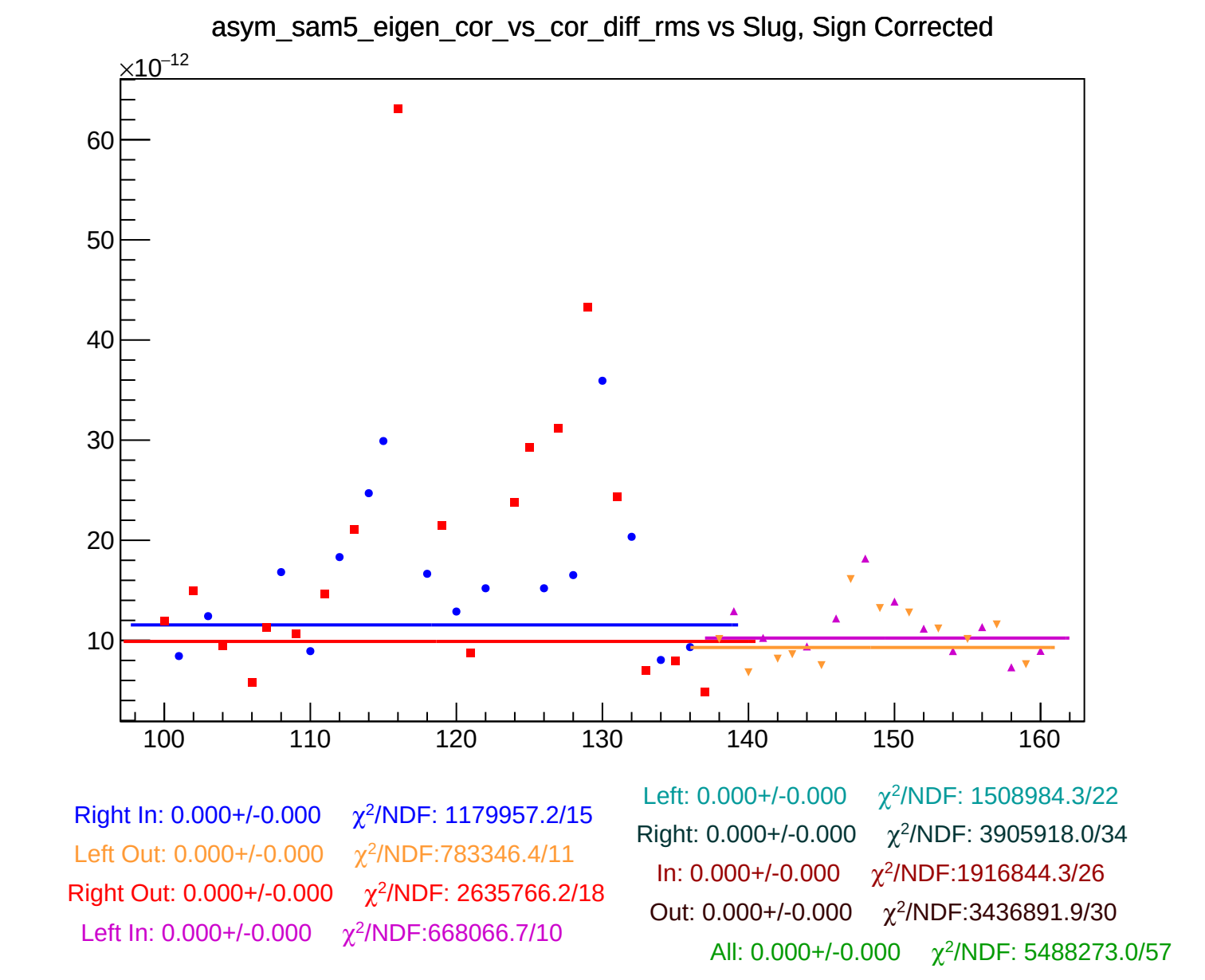
Left: 0.000+/-0.000 χ^2/NDF: 19.8/22

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/26

Out: 0.000+/-0.000 χ^2/NDF:38.3/30

All: -0.000+/-0.000 χ^2/NDF: 62.6/57


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
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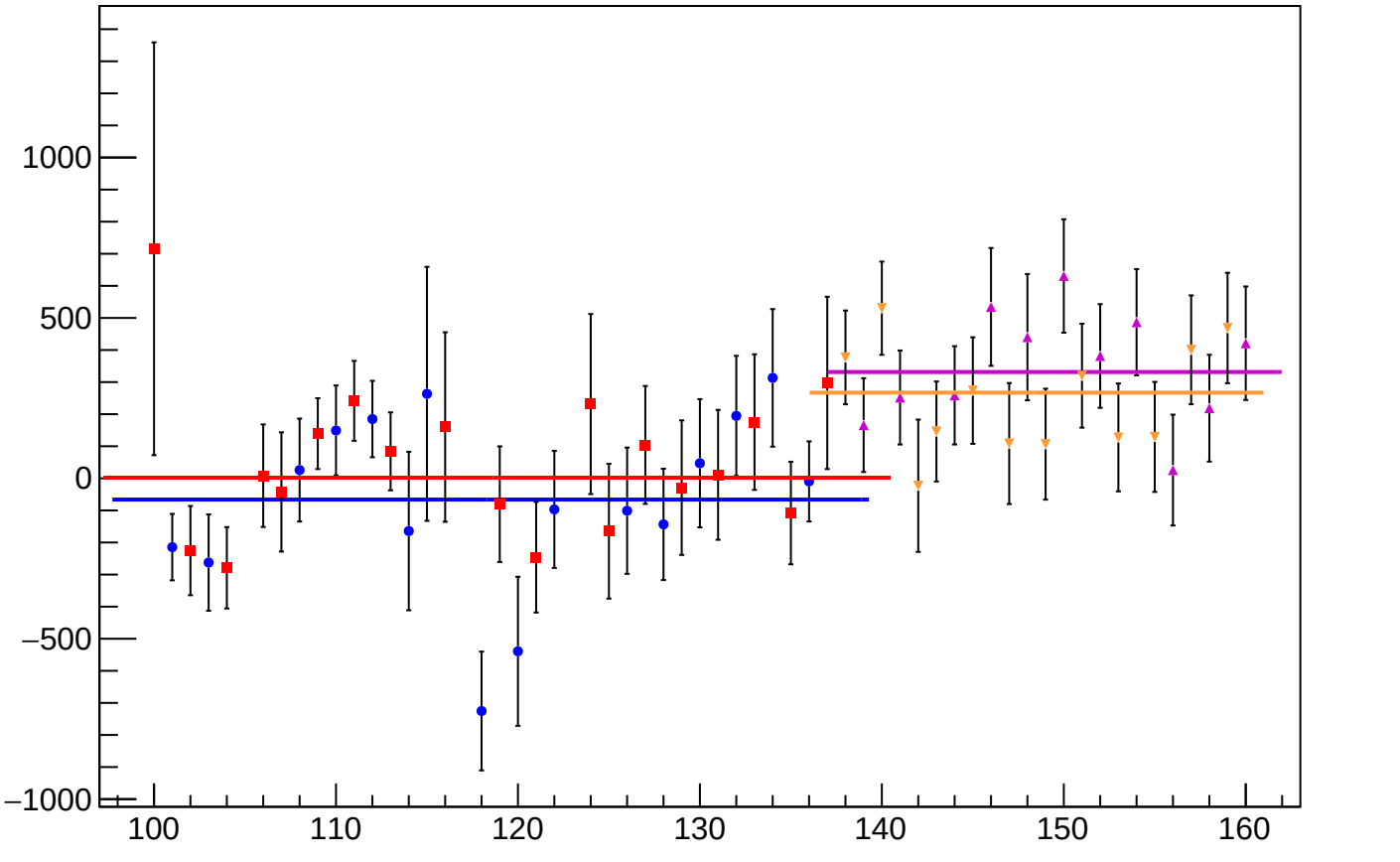
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:783346.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:668066.7/10
Left: 0.000+/-0.000 χ²/NDF: 1508984.3/22
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1916844.3/26
Out: 0.000+/-0.000 χ²/NDF:3436891.9/30
All: 0.000+/-0.000 χ²/NDF: 5488273.0/57



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: 331.432+/-50.013 χ^2/NDF:11.0/10

Left: 298.019+/-34.659 χ^2/NDF: 23.3/22

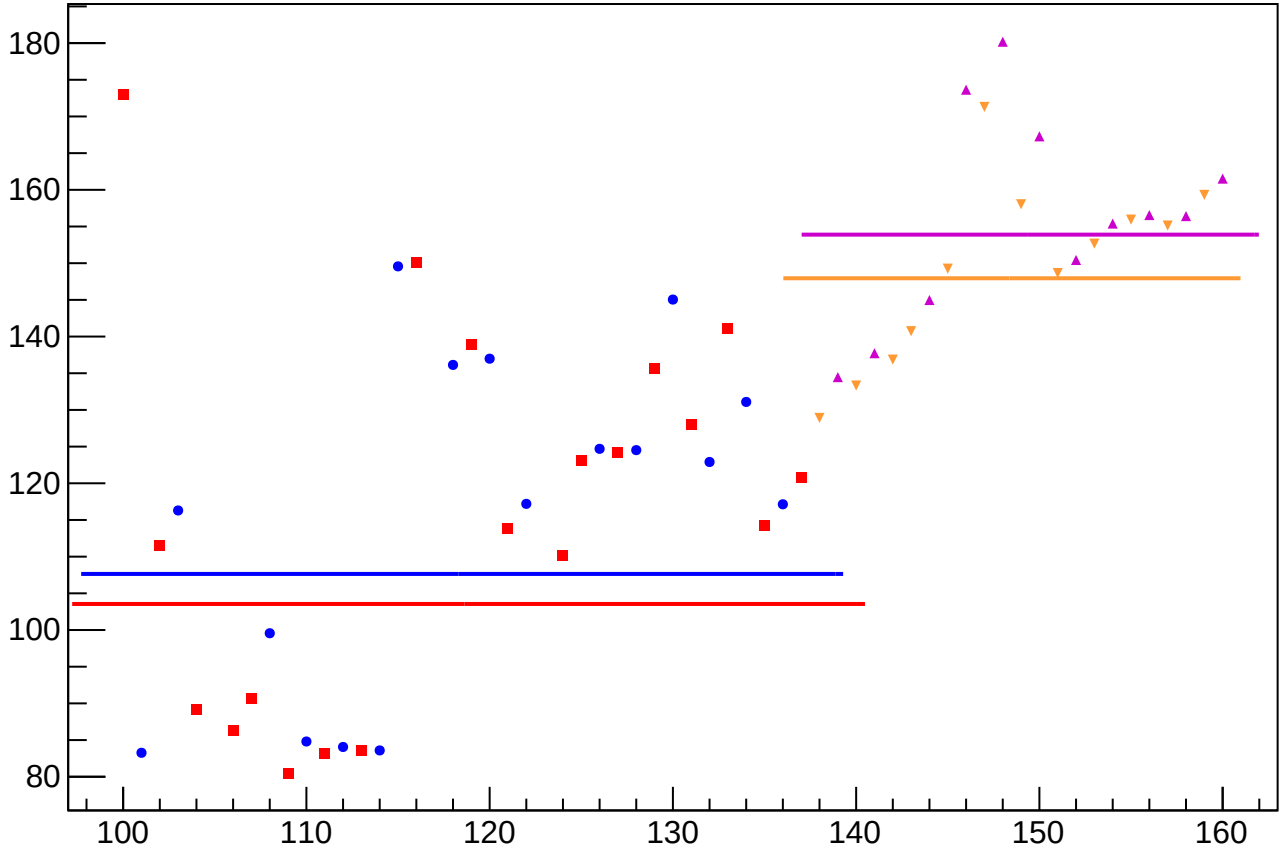
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 93.311+/-31.678 χ^2/NDF:83.3/26

Out: 106.811+/-30.225 χ^2/NDF:50.9/30

All: 100.378+/-21.868 χ^2/NDF: 134.3/57

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: 153.893+/-0.035 χ^2/NDF:142522.1/10

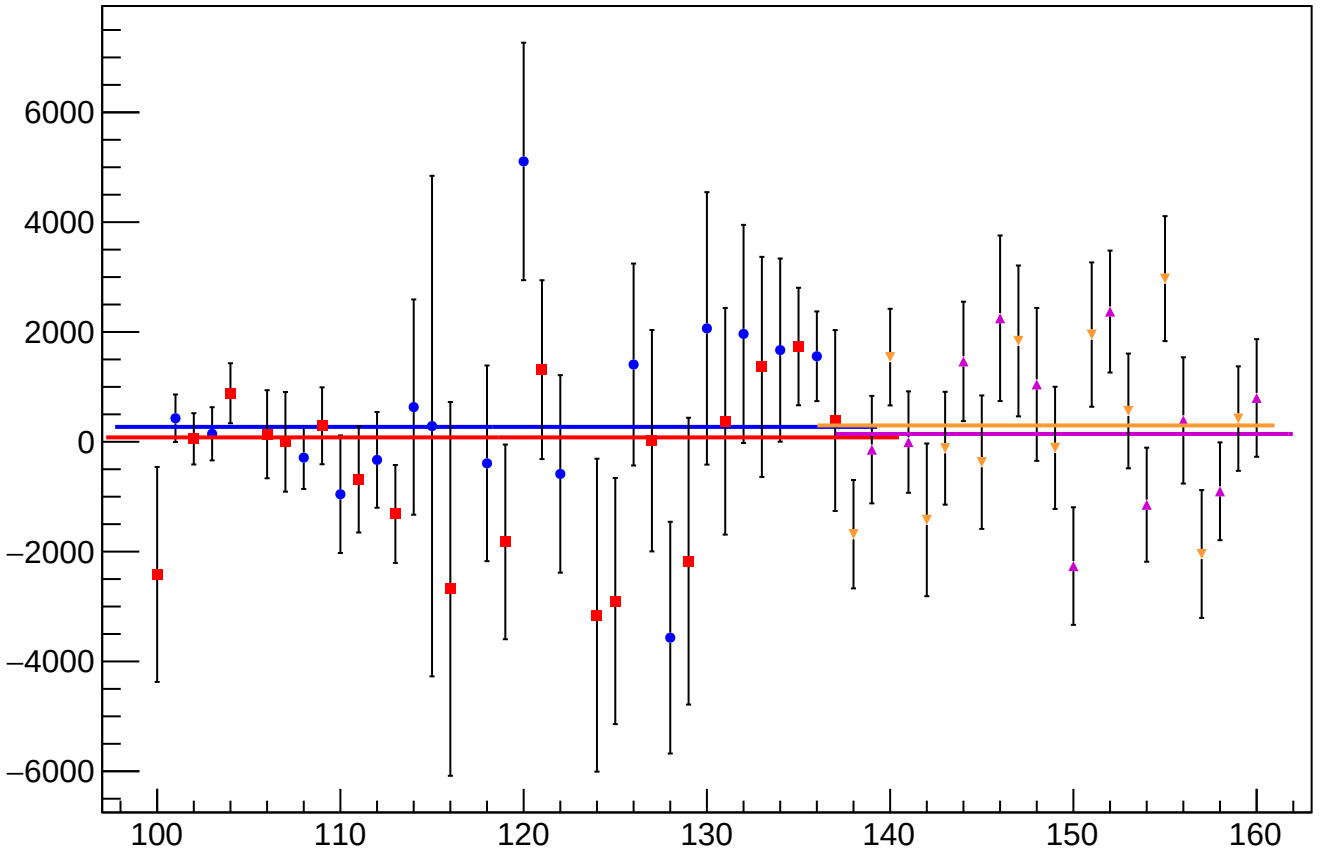
Left: 150.801+/-0.025 χ^2/NDF: 277320.0/22

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 126.199+/-0.022 χ^2/NDF:1699457.1/26

Out: 121.097+/-0.021 χ^2/NDF:1768868.8/30

All: 123.528+/-0.015 χ^2/NDF: 3495477.4/57



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: 142.532+/-324.174 χ^2/NDF:16.4/10

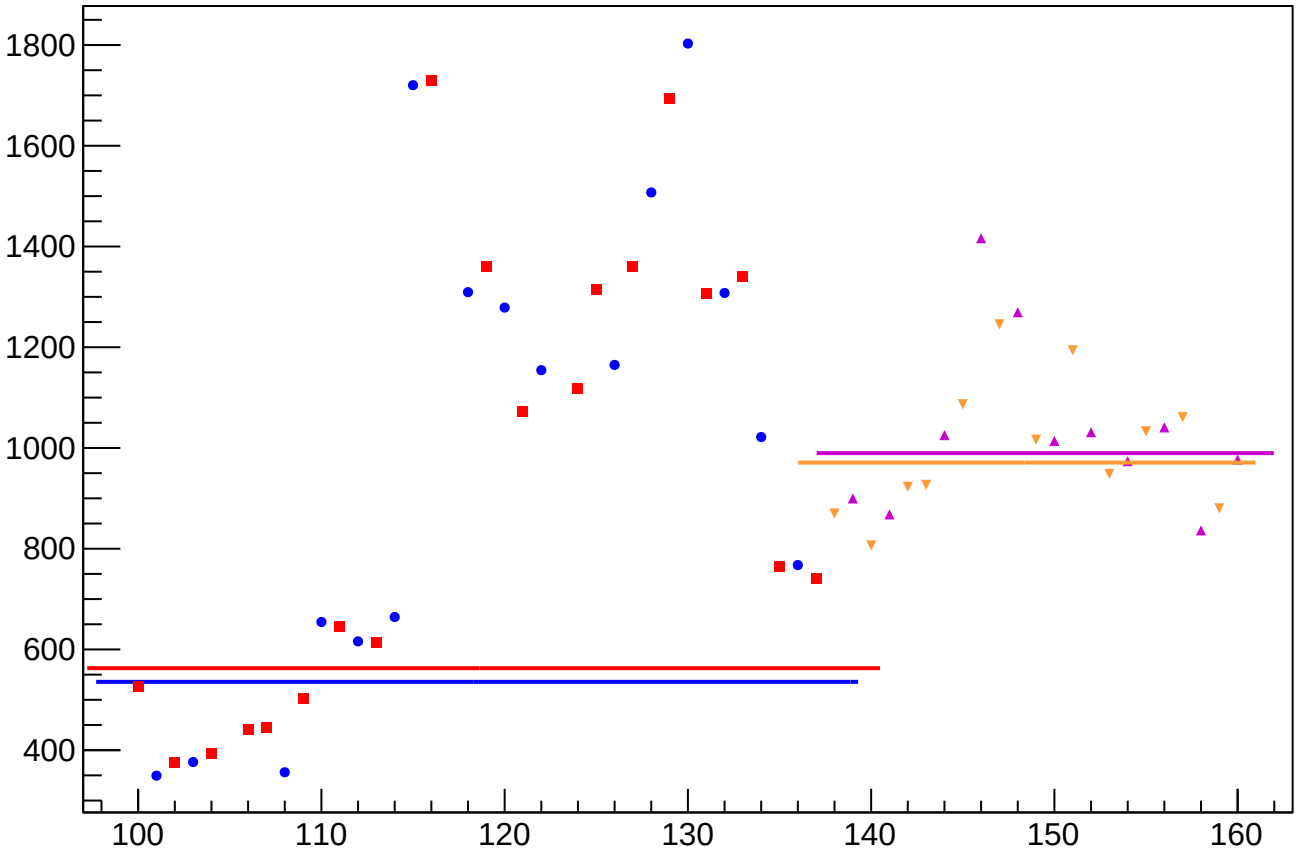
Left: 221.696+/-226.900 χ^2/NDF: 37.1/22

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 228.155+/-187.942 χ^2/NDF:32.9/26

Out: 155.853+/-187.441 χ^2/NDF:37.0/30

All: 191.908+/-132.718 χ^2/NDF: 70.0/57



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: 989.785+/-0.229 χ^2/NDF:362435.5/10

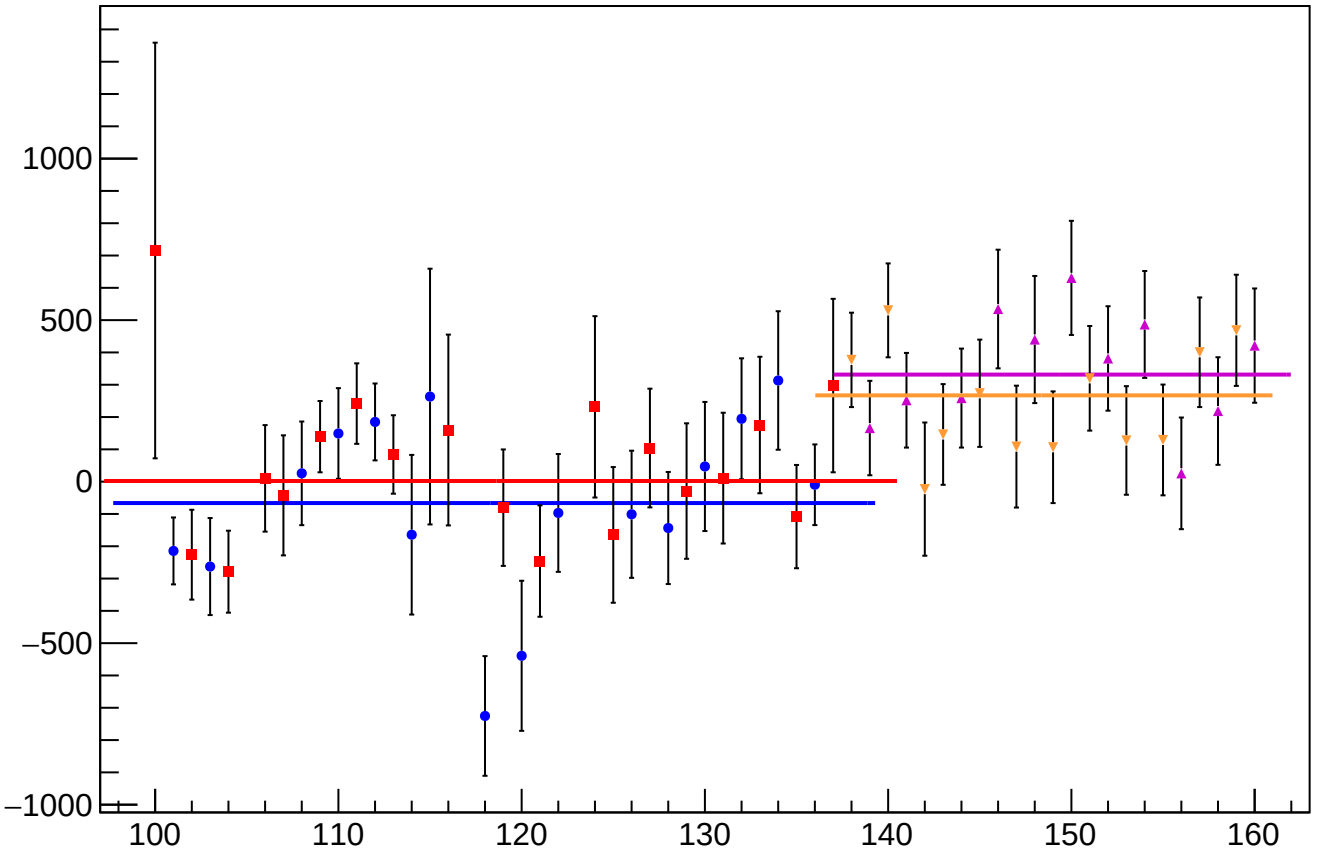
Left: 980.215+/-0.160 χ^2/NDF: 658875.2/22

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 688.314+/-0.133 χ^2/NDF:6600210.4/26

Out: 704.935+/-0.133 χ^2/NDF:5556290.5/30

All: 696.647+/-0.094 χ^2/NDF: 12164342.5/57



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: 331.437+/-50.013 χ^2/NDF:11.0/10

Left: 298.017+/-34.659 χ^2/NDF: 23.3/22

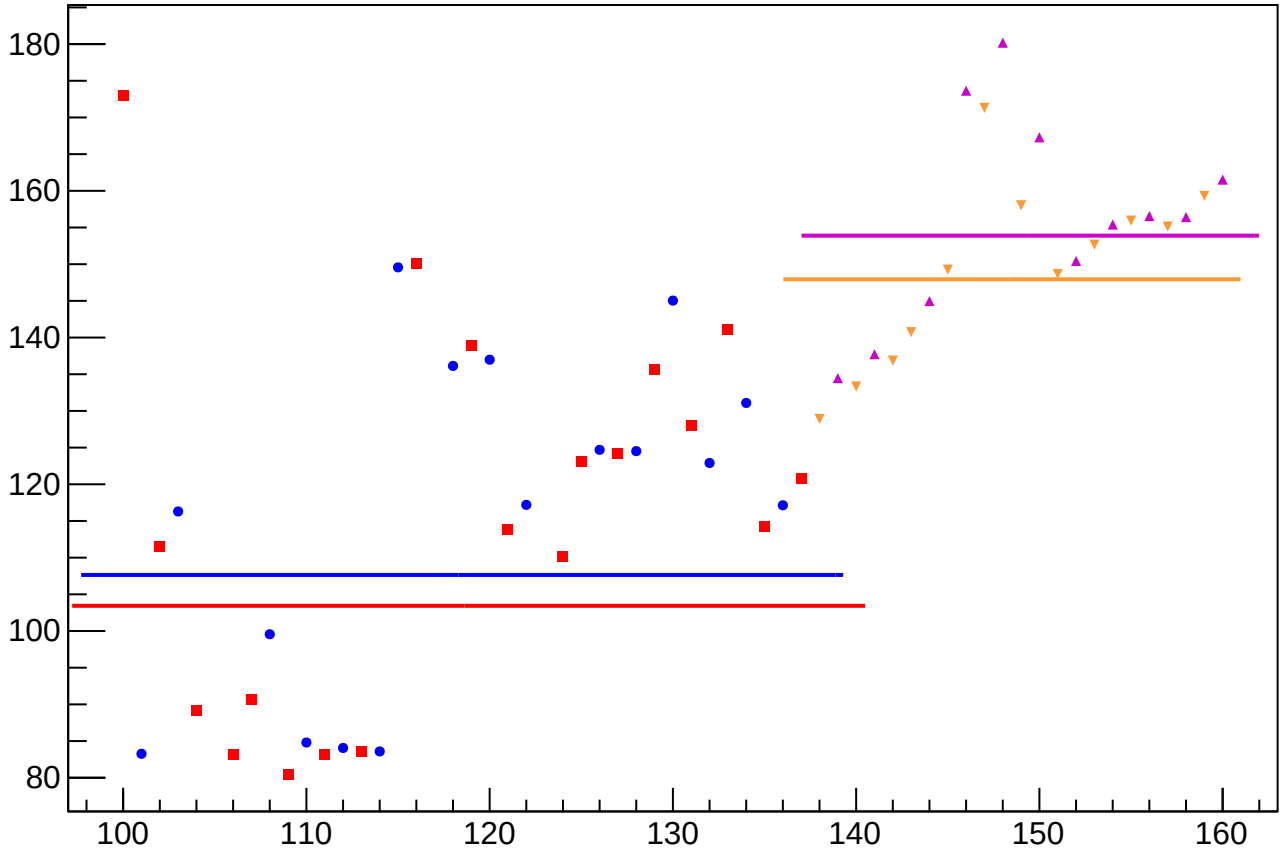
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 93.297+/-31.678 χ^2/NDF:83.3/26

Out: 107.064+/-30.257 χ^2/NDF:50.9/30

All: 100.496+/-21.880 χ^2/NDF: 134.3/57

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: 153.893+/-0.035 χ^2/NDF:142522.1/10

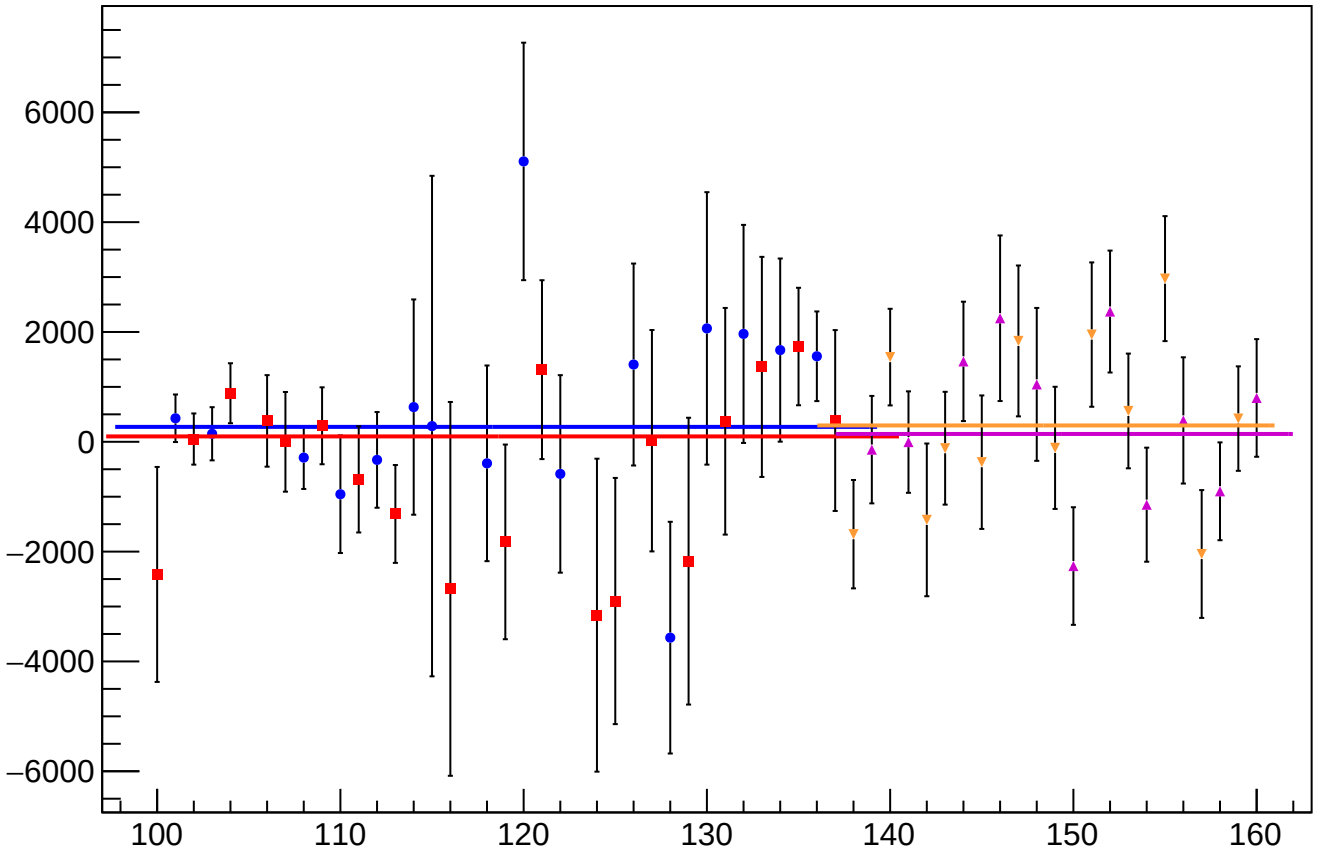
Left: 150.801+/-0.025 χ^2/NDF: 277320.0/22

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 126.199+/-0.022 χ^2/NDF:1699455.7/26

Out: 121.068+/-0.021 χ^2/NDF:1780008.9/30

All: 123.516+/-0.015 χ^2/NDF: 3506901.6/57



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: 142.525+/-324.175 χ^2/NDF:16.4/10

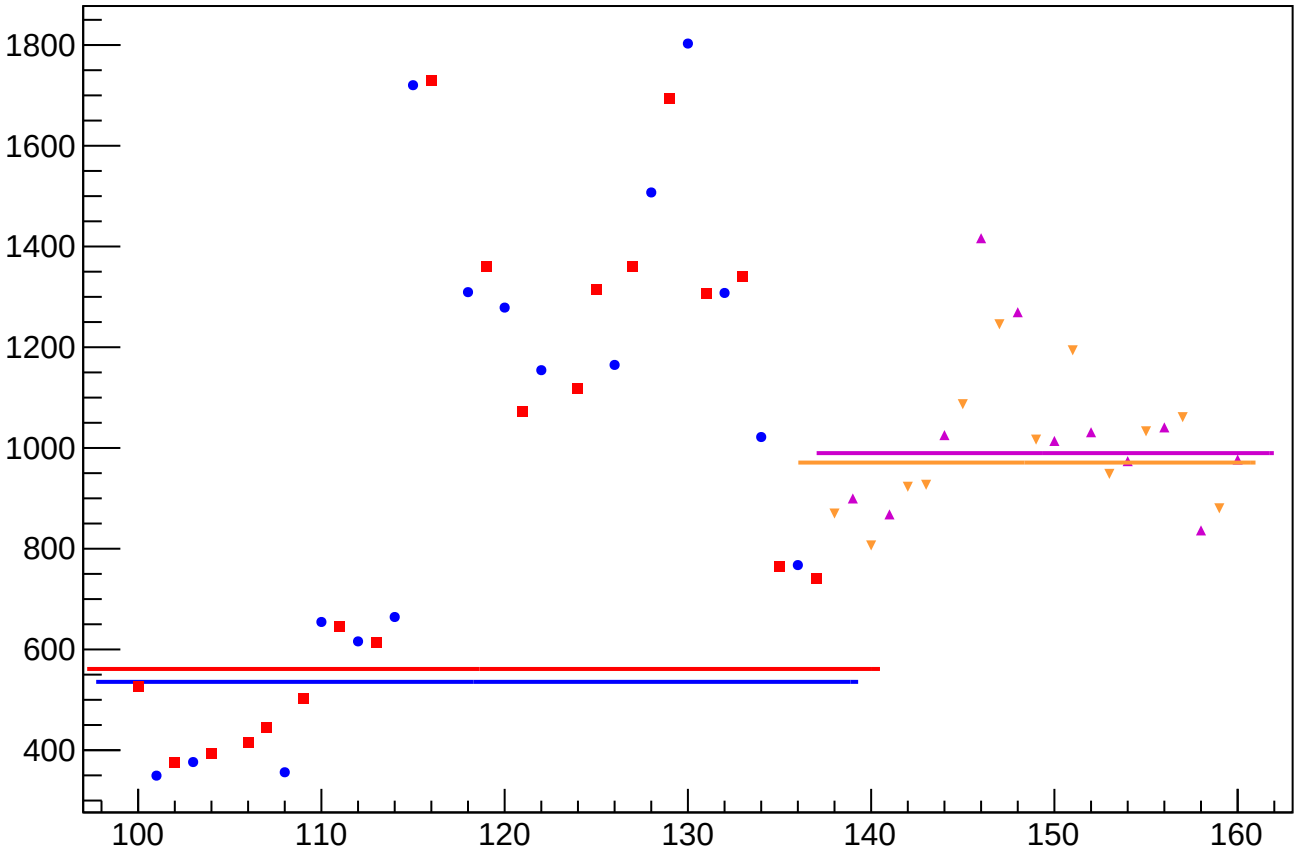
Left: 221.695+/-226.900 χ^2/NDF: 37.1/22

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 228.248+/-187.938 χ^2/NDF:32.9/26

Out: 167.672+/-187.771 χ^2/NDF:37.0/30

All: 197.933+/-132.833 χ^2/NDF: 70.0/57



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: 989.786+/-0.229 χ^2/NDF:362435.0/10

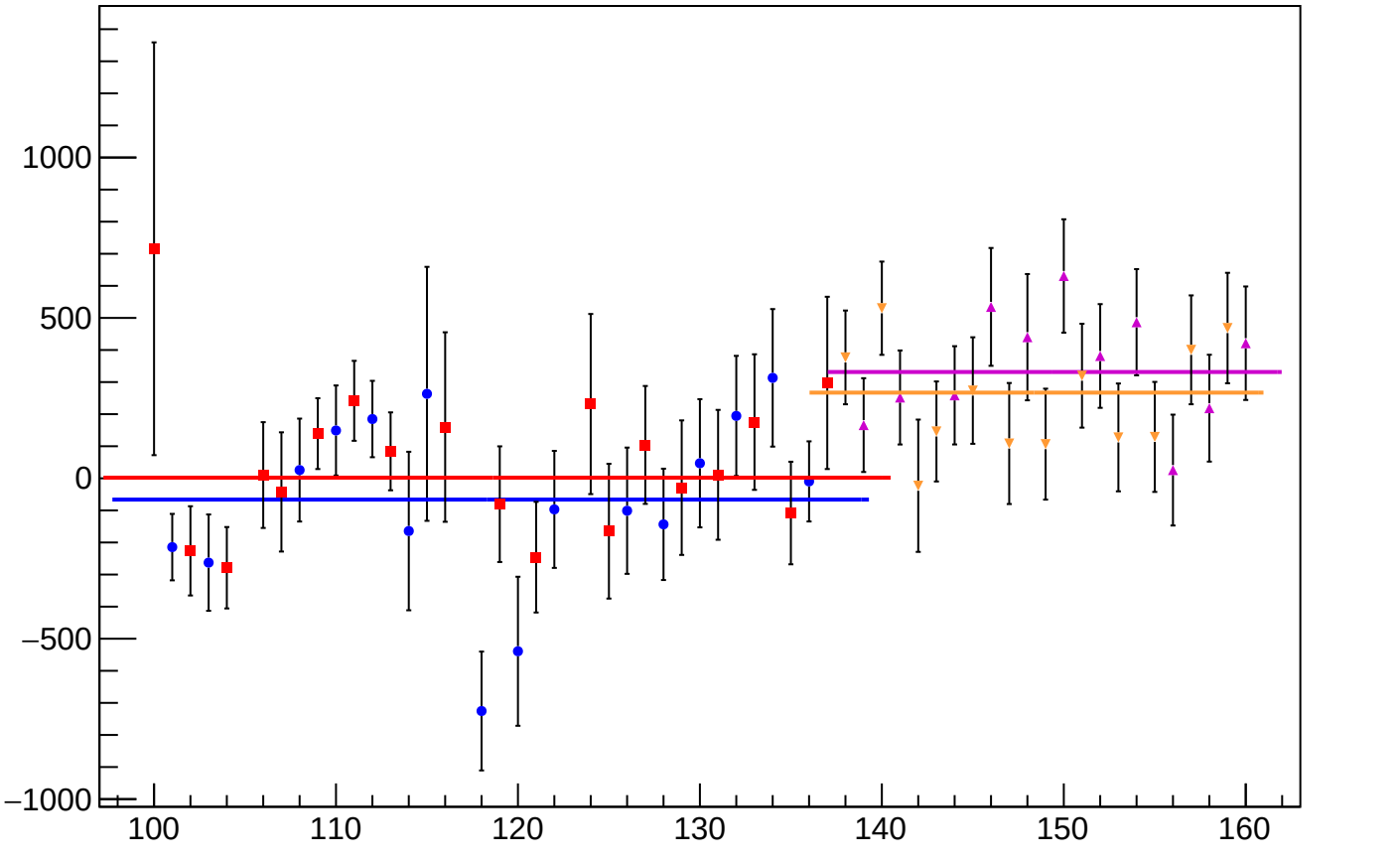
Left: 980.215+/-0.160 χ^2/NDF: 658875.1/22

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 688.293+/-0.133 χ^2/NDF:6600715.4/26

Out: 704.410+/-0.133 χ^2/NDF:5588592.4/30

All: 696.359+/-0.094 χ^2/NDF: 12196667.8/57



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: 331.437+/-50.013 χ^2/NDF:11.0/10

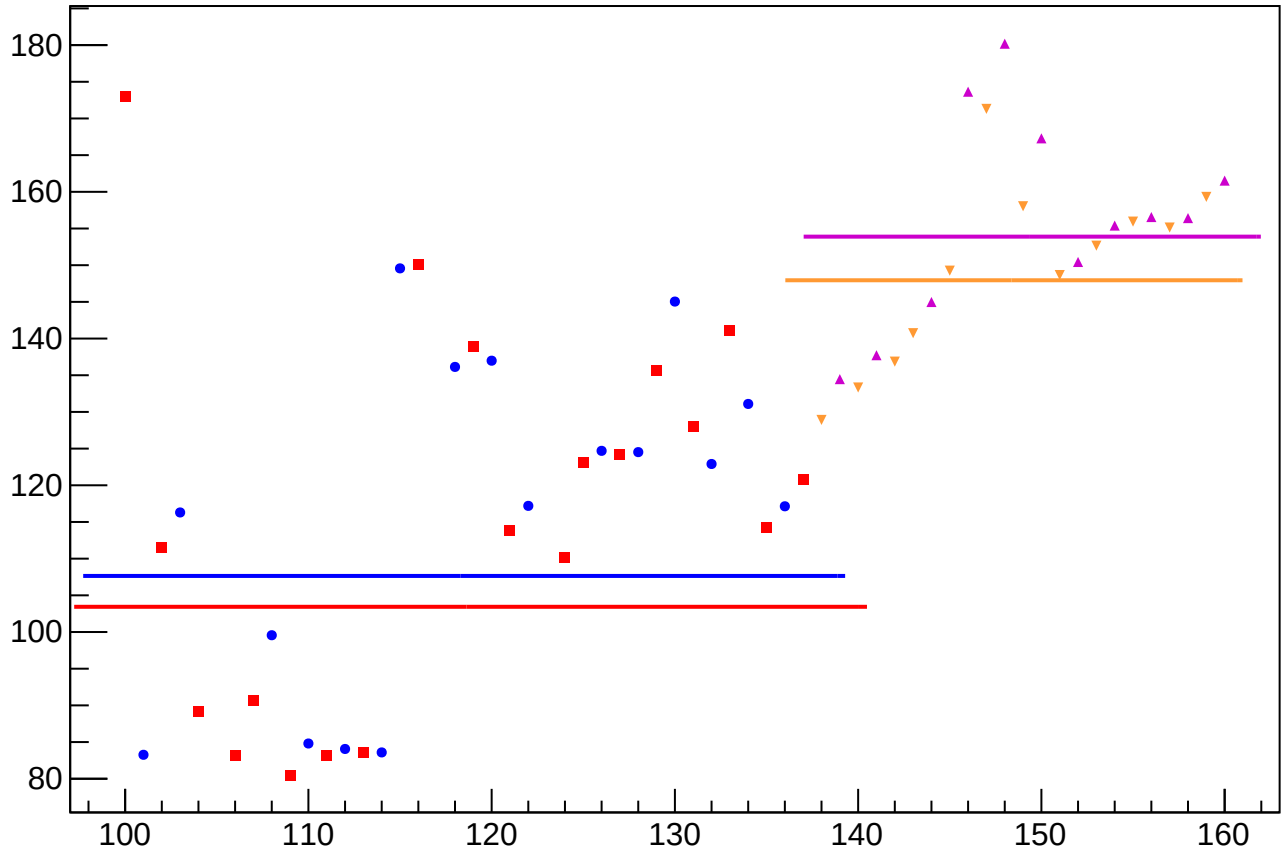
Left: 298.017+/-34.659 χ^2/NDF: 23.3/22

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 93.297+/-31.678 χ^2/NDF:83.3/26

Out: 107.064+/-30.257 χ^2/NDF:50.9/30

All: 100.496+/-21.880 χ^2/NDF: 134.3/57



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: 153.893+/-0.035 χ^2/NDF:142522.1/10

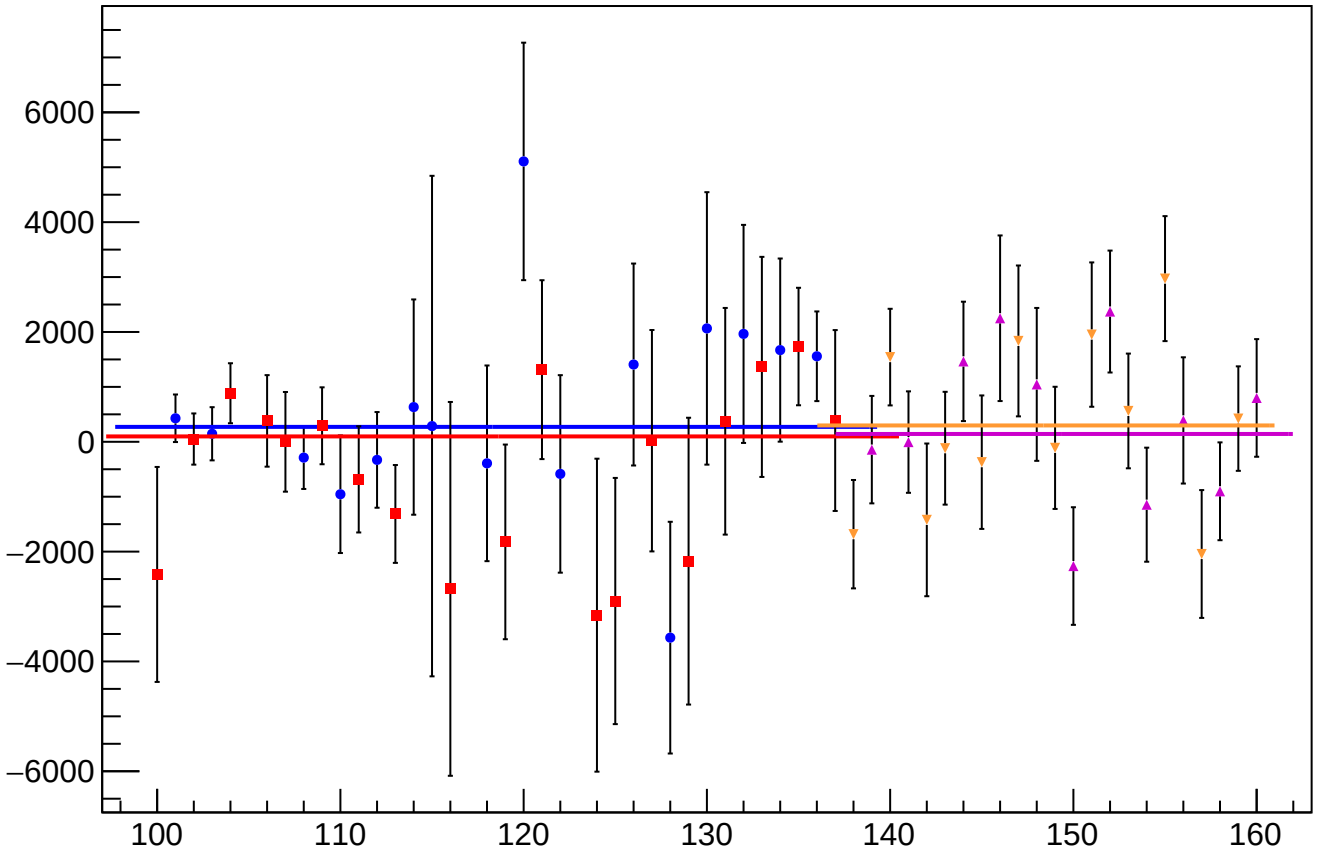
Left: 150.801+/-0.025 χ^2/NDF: 277320.0/22

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 126.199+/-0.022 χ^2/NDF:1699455.7/26

Out: 121.068+/-0.021 χ^2/NDF:1780008.9/30

All: 123.516+/-0.015 χ^2/NDF: 3506901.6/57



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: 142.525+/-324.175 χ^2/NDF:16.4/10

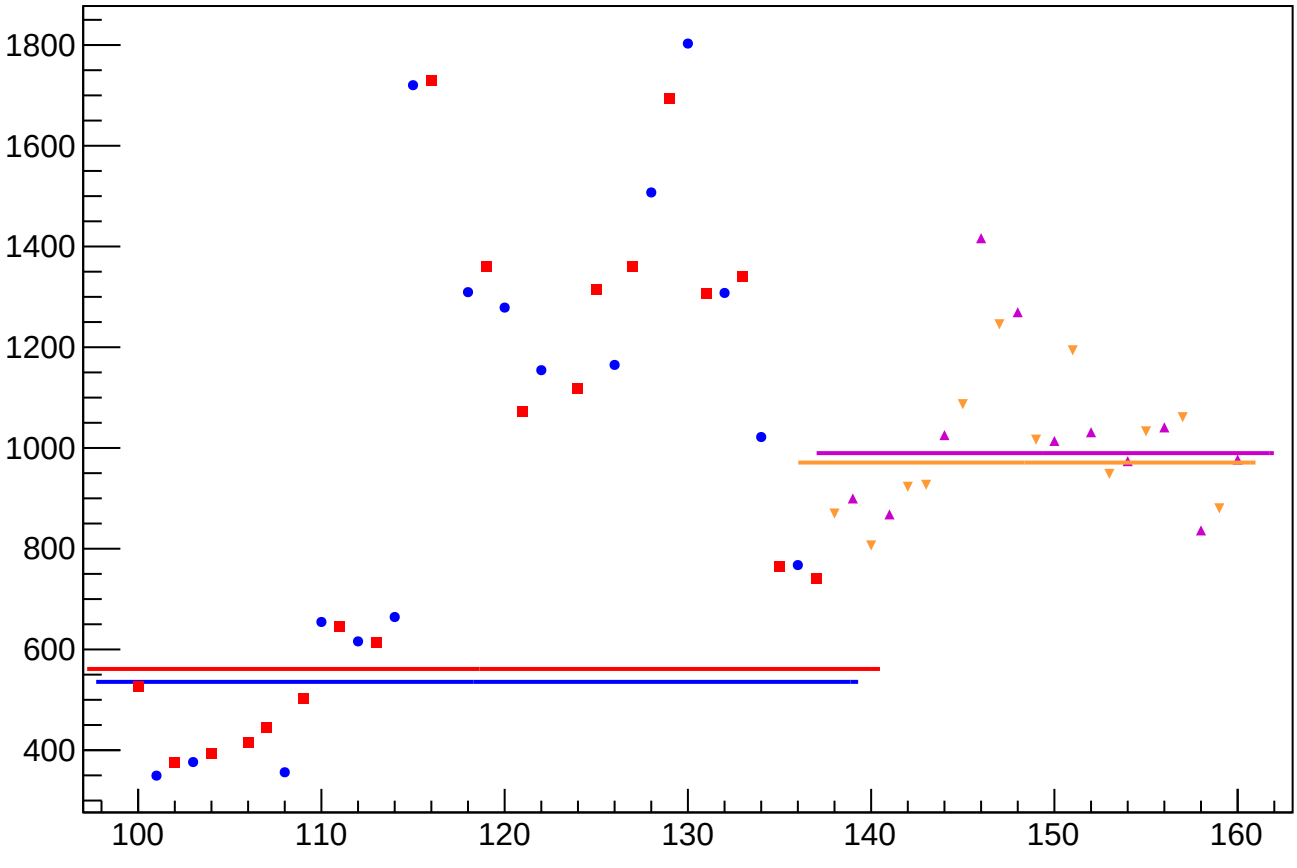
Left: 221.695+/-226.900 χ^2/NDF: 37.1/22

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 228.248+/-187.938 χ^2/NDF:32.9/26

Out: 167.672+/-187.771 χ^2/NDF:37.0/30

All: 197.933+/-132.833 χ^2/NDF: 70.0/57



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: 989.786+/-0.229 χ^2/NDF:362435.0/10

Left: 980.215+/-0.160 χ^2/NDF: 658875.1/22

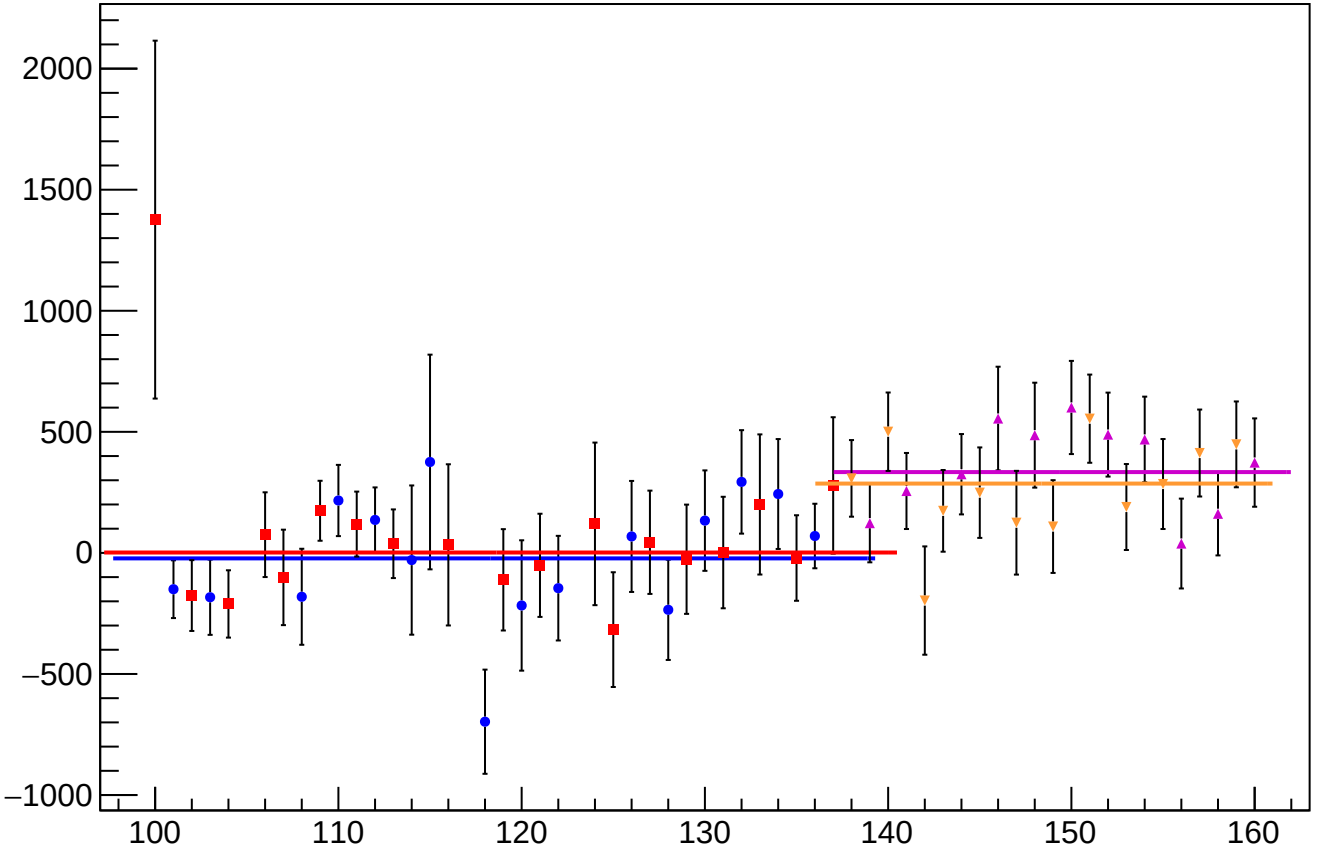
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 688.293+/-0.133 χ^2/NDF:6600715.4/26

Out: 704.410+/-0.133 χ^2/NDF:5588592.4/30

All: 696.359+/-0.094 χ^2/NDF: 12196667.8/57

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: 333.782+/-53.970 χ^2/NDF:10.4/10

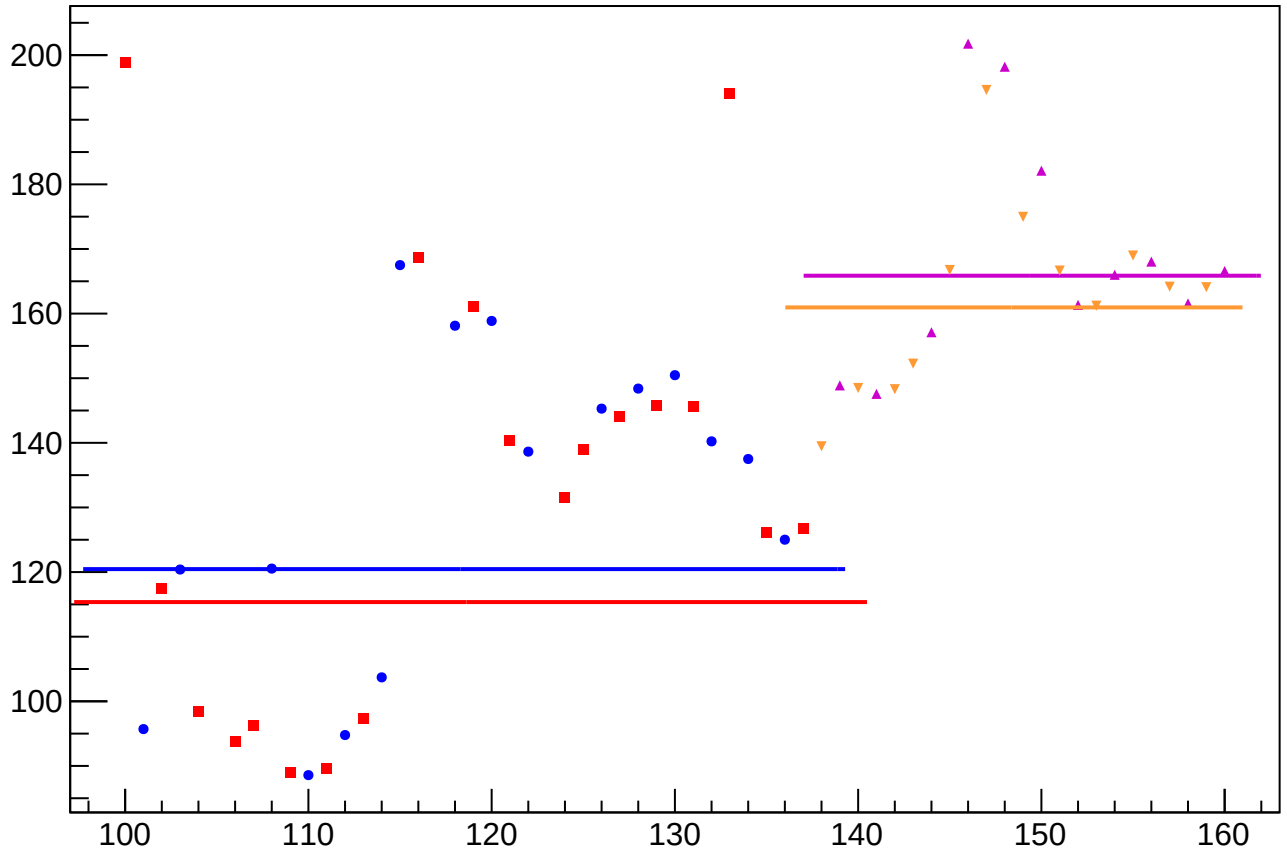
Left: 309.343+/-37.585 χ^2/NDF: 22.9/22

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 126.967+/-34.969 χ^2/NDF:59.9/26

Out: 118.038+/-33.491 χ^2/NDF:43.9/30

All: 122.310+/-24.187 χ^2/NDF: 103.8/57



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: 165.862+/-0.038 χ^2/NDF:172708.2/10

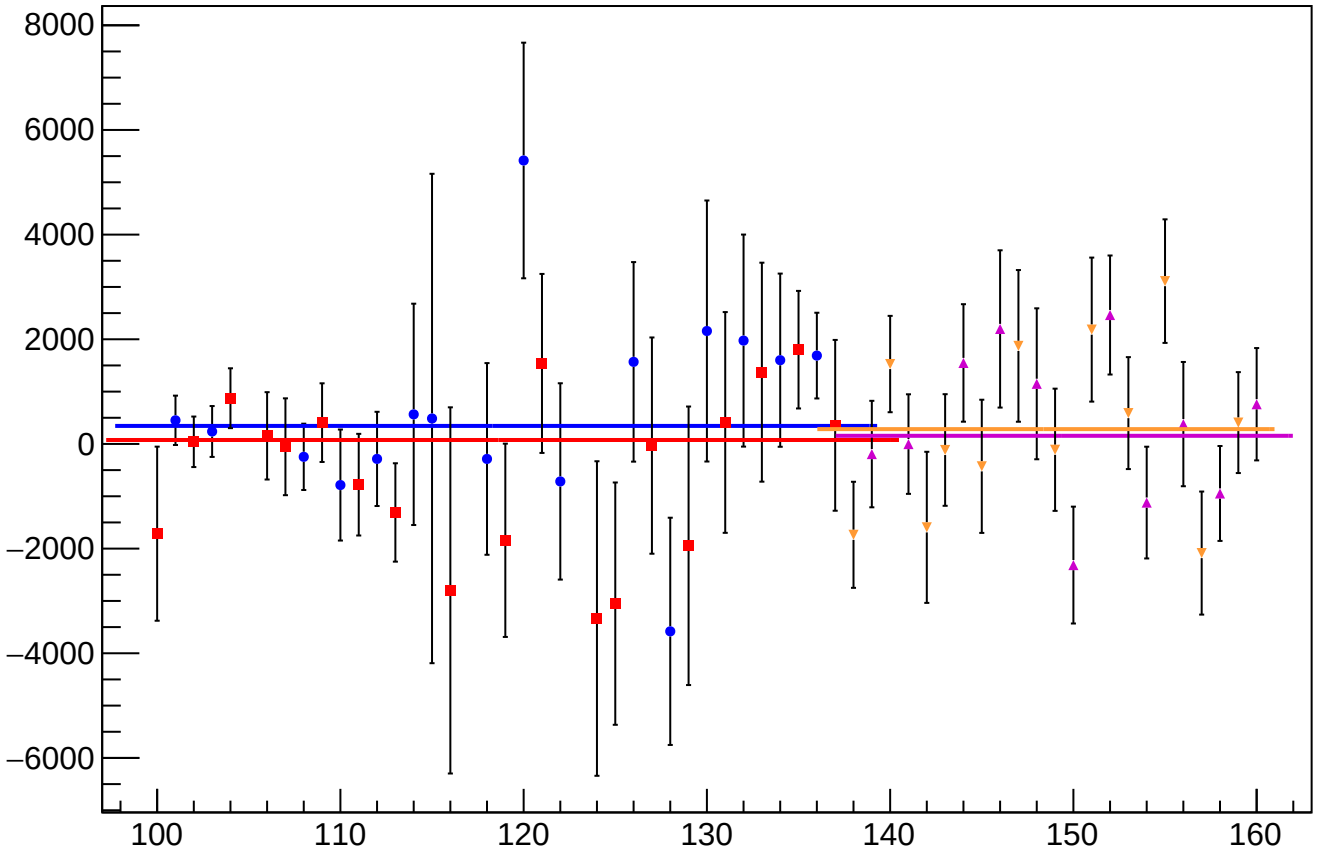
Left: 163.336+/-0.027 χ^2/NDF: 310656.7/22

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 139.519+/-0.025 χ^2/NDF:1524301.0/26

Out: 134.005+/-0.024 χ^2/NDF:1792843.3/30

All: 136.643+/-0.017 χ^2/NDF: 3343083.8/57



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: 155.653+/-332.700 χ^2/NDF:16.3/10

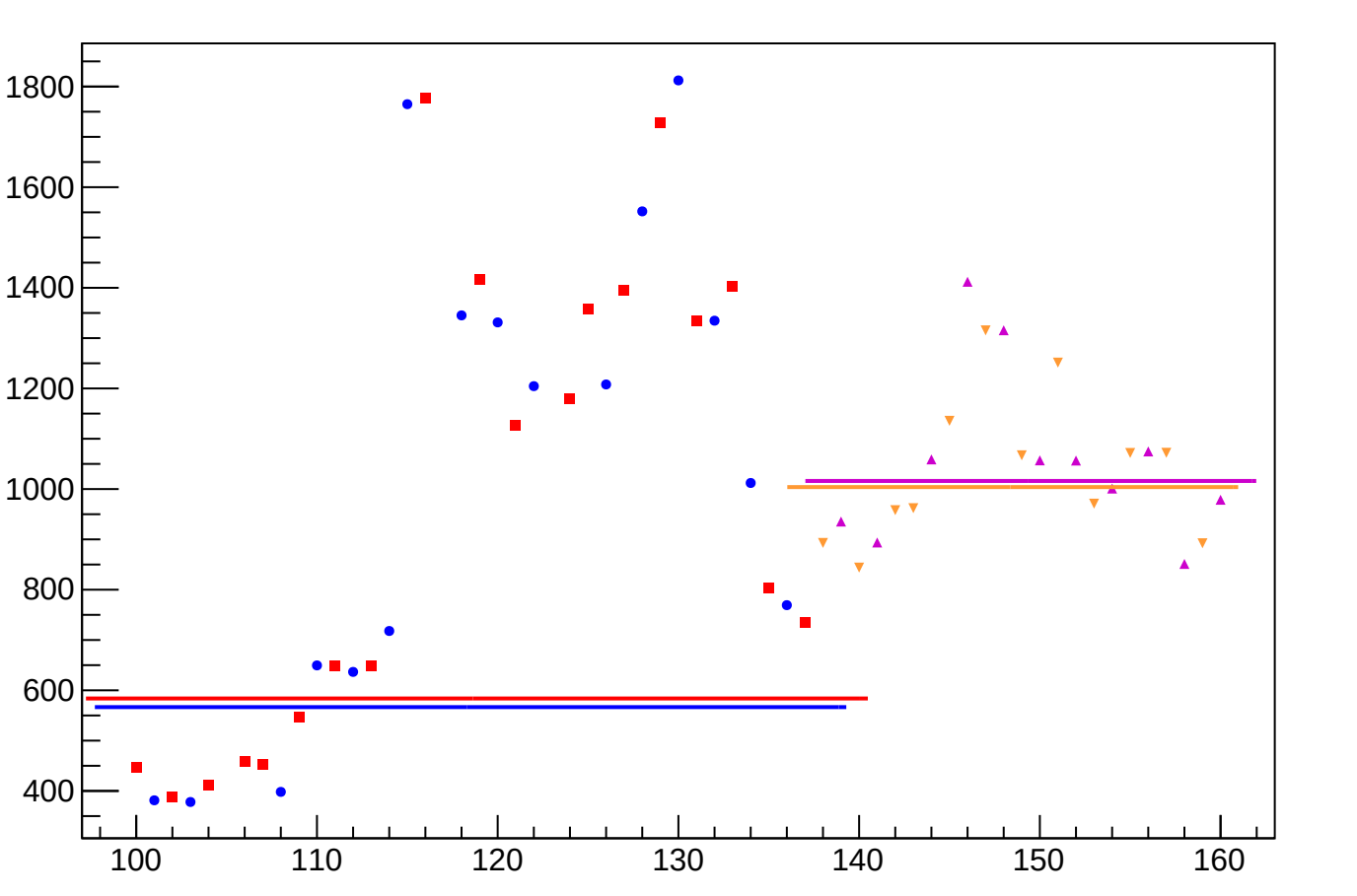
Left: 220.226+/-233.809 χ^2/NDF: 37.4/22

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 279.280+/-195.456 χ^2/NDF:32.7/26

Out: 147.897+/-194.073 χ^2/NDF:36.6/30

All: 213.122+/-137.717 χ^2/NDF: 69.5/57



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: 1016.104+/-0.235 χ^2/NDF:352702.1/10

Left: 1009.933+/-0.165 χ^2/NDF: 669957.5/22

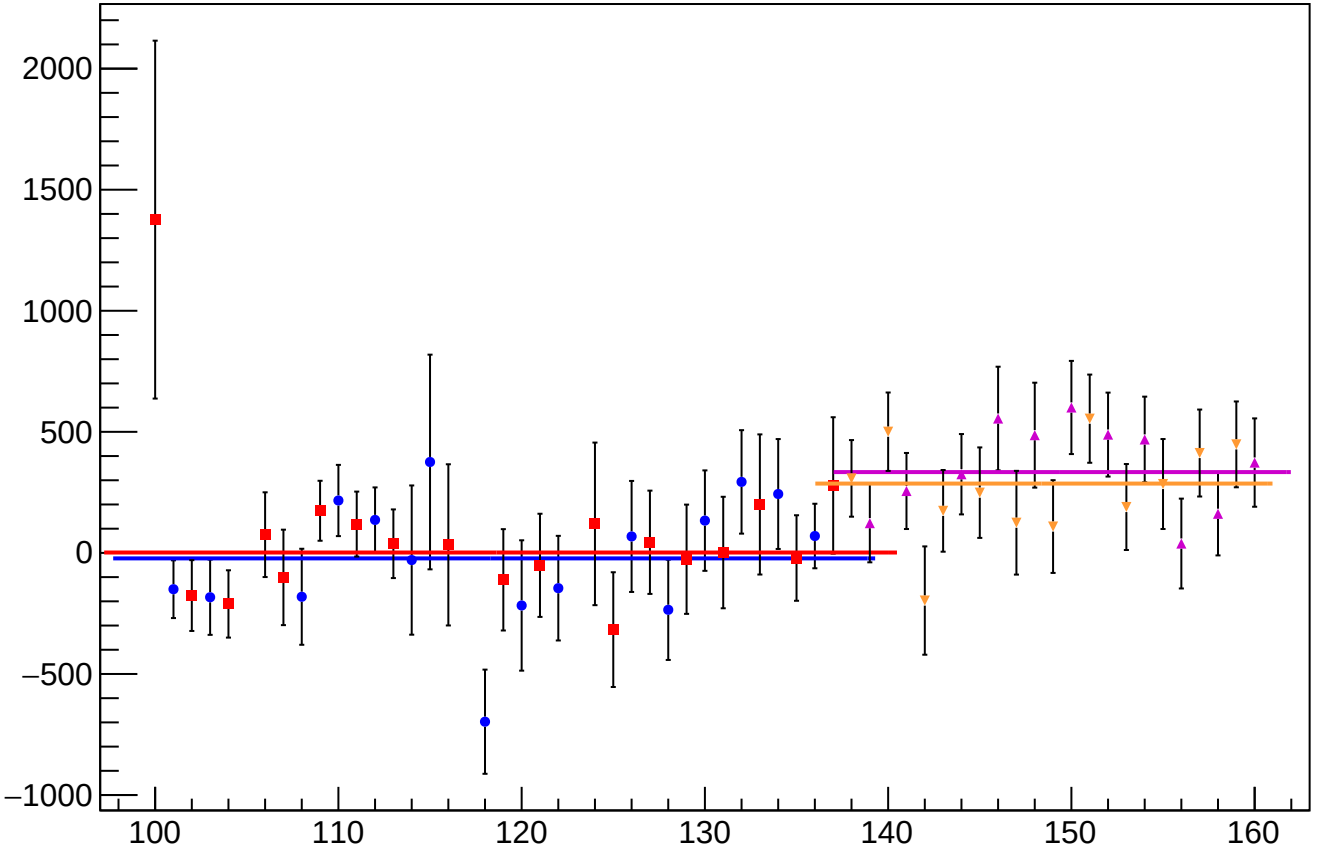
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 721.743+/-0.138 χ^2/NDF:6175896.3/26

Out: 730.293+/-0.137 χ^2/NDF:5551944.4/30

All: 726.048+/-0.097 χ^2/NDF: 11729767.9/57

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



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: 333.782+/-53.970 χ^2/NDF:10.4/10

Left: 309.343+/-37.585 χ^2/NDF: 22.9/22

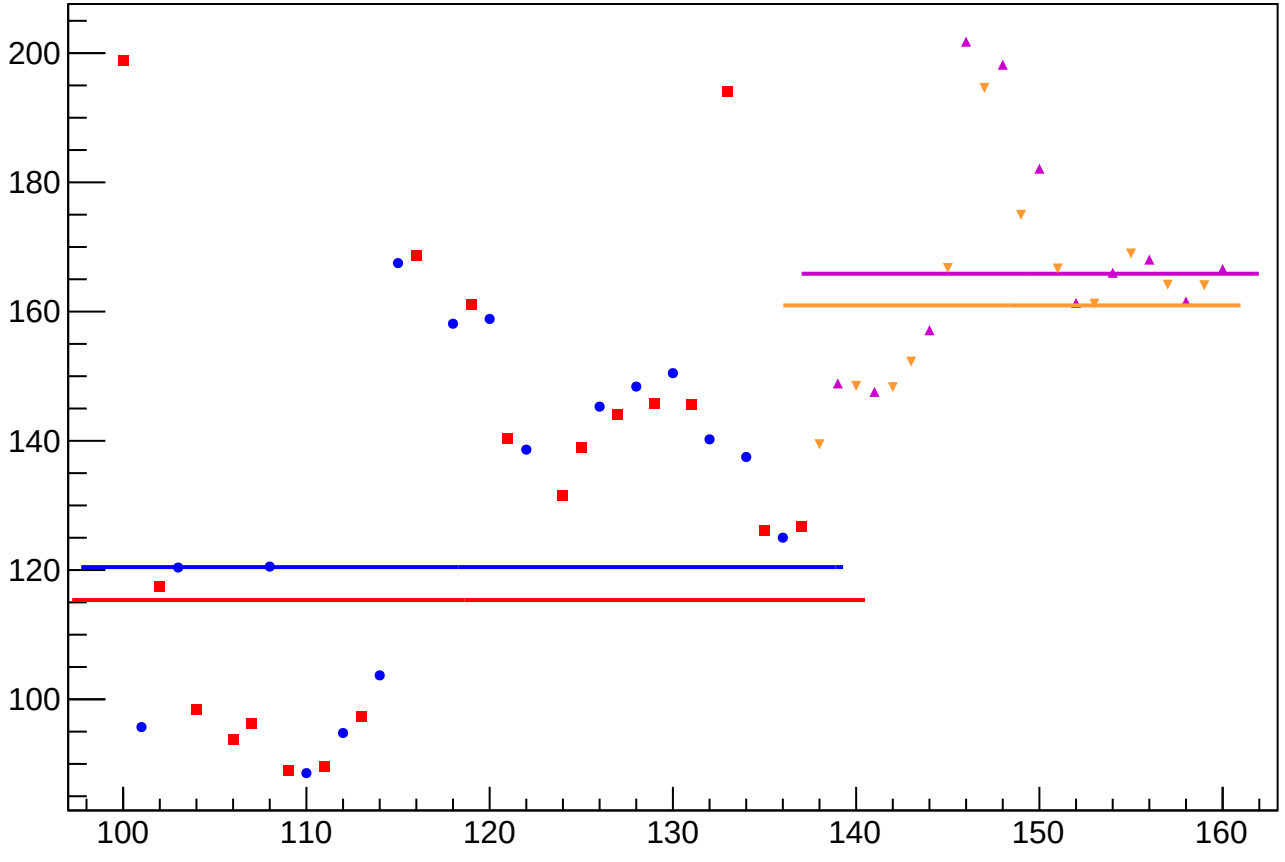
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 126.965+/-34.968 χ^2/NDF:59.9/26

Out: 118.039+/-33.491 χ^2/NDF:43.9/30

All: 122.310+/-24.187 χ^2/NDF: 103.8/57

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: 165.862+/-0.038 χ^2/NDF:172708.5/10

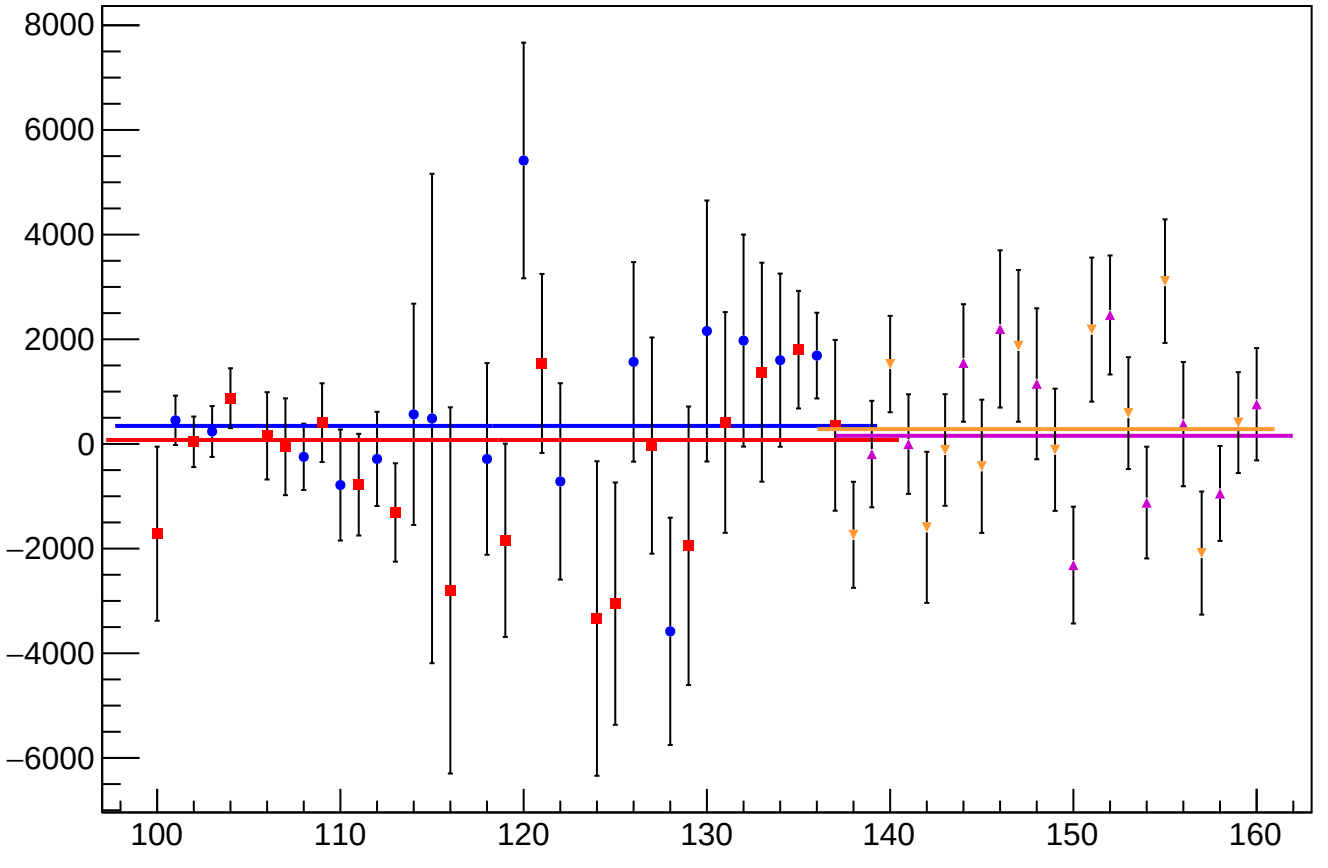
Left: 163.336+/-0.027 χ^2/NDF: 310656.4/22

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 139.519+/-0.025 χ^2/NDF:1524310.7/26

Out: 134.005+/-0.024 χ^2/NDF:1792842.7/30

All: 136.643+/-0.017 χ^2/NDF: 3343092.8/57



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 283.237+/-328.649 χ^2/NDF:21.1/11

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 155.653+/-332.700 χ^2/NDF:16.3/10

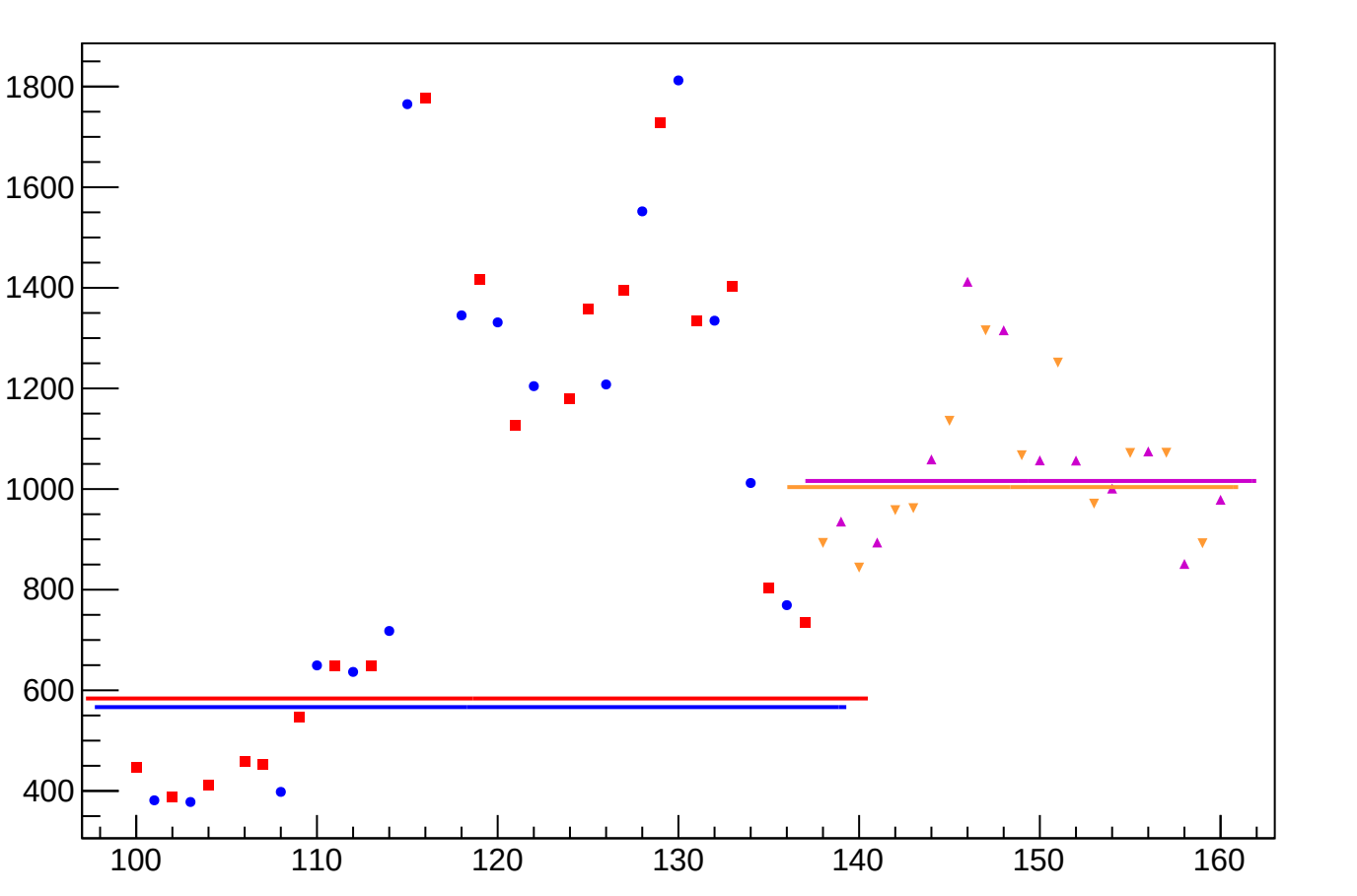
Left: 220.226+/-233.809 χ^2/NDF: 37.4/22

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 279.280+/-195.456 χ^2/NDF:32.7/26

Out: 147.898+/-194.073 χ^2/NDF:36.6/30

All: 213.122+/-137.717 χ^2/NDF: 69.5/57



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: 1016.103+/-0.235 χ^2/NDF:352705.0/10

Left: 1009.933+/-0.165 χ^2/NDF: 669962.7/22

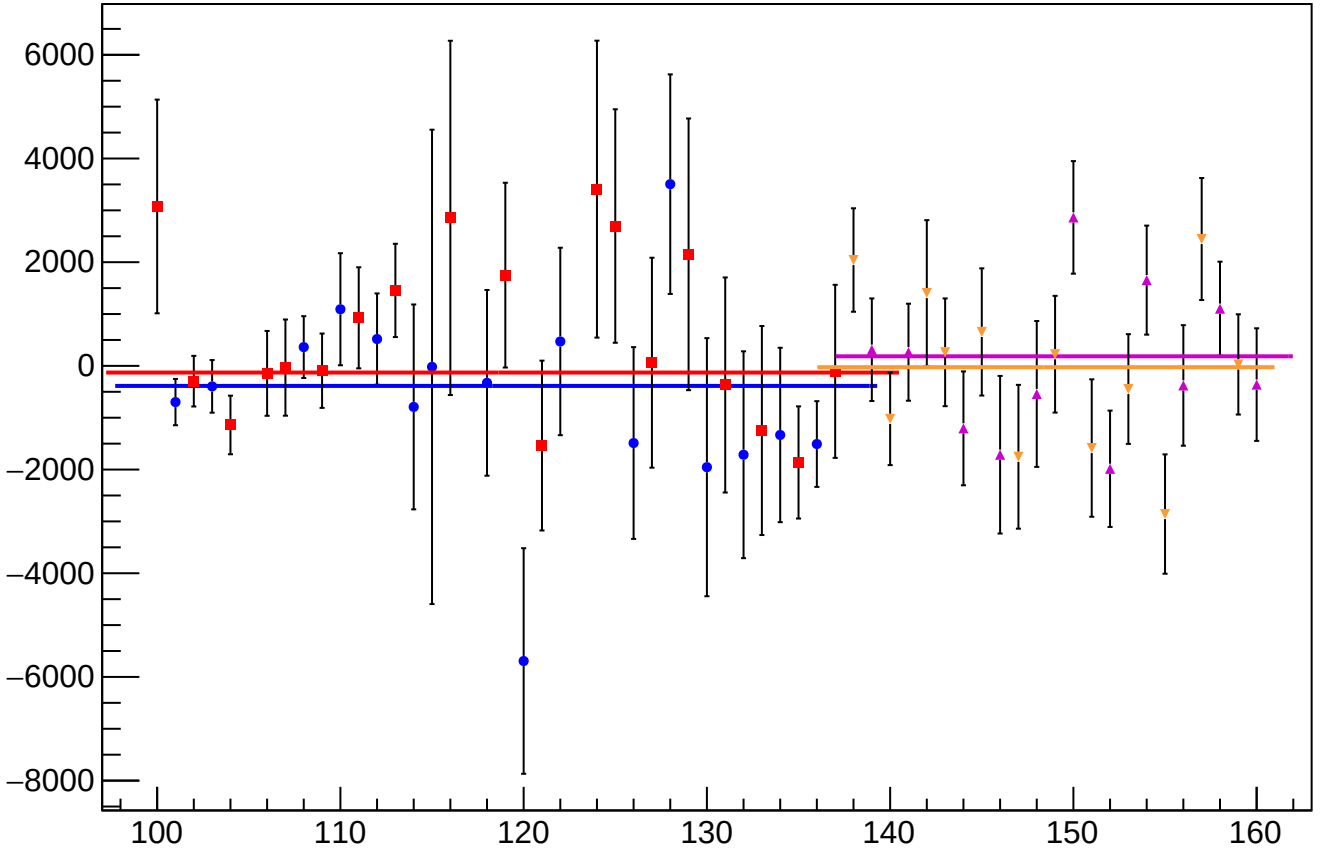
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 721.742+/-0.138 χ^2/NDF:6175909.8/26

Out: 730.293+/-0.137 χ^2/NDF:5551949.8/30

All: 726.048+/-0.097 χ^2/NDF: 11729786.9/57

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: 184.444+/-328.213 χ^2/NDF:16.7/10

Left: 77.610+/-229.667 χ^2/NDF: 37.5/22

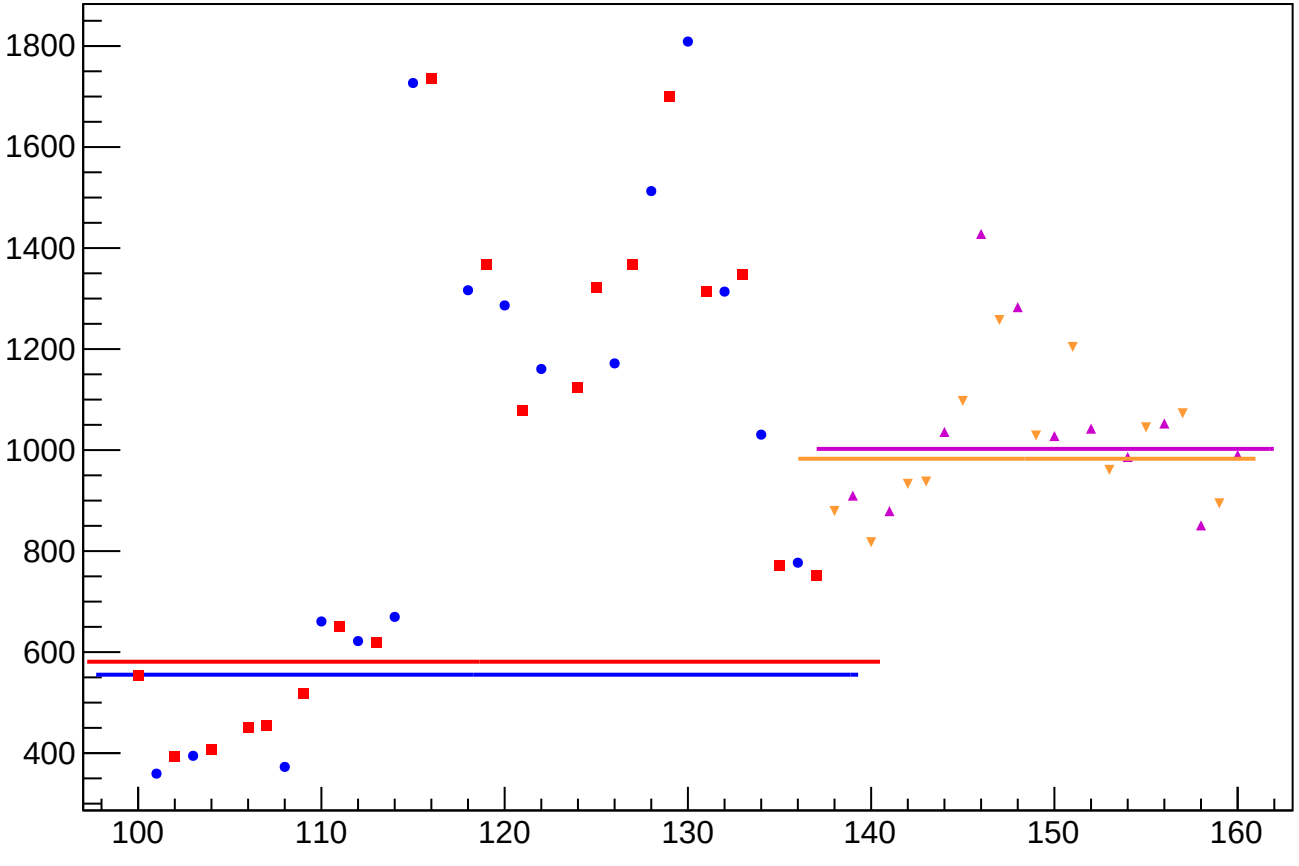
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -190.272+/-192.422 χ^2/NDF:36.7/26

Out: -91.826+/-191.411 χ^2/NDF:40.0/30

All: -140.790+/-135.704 χ^2/NDF: 76.8/57

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: 1002.415+/-0.232 χ^2/NDF:354397.7/10

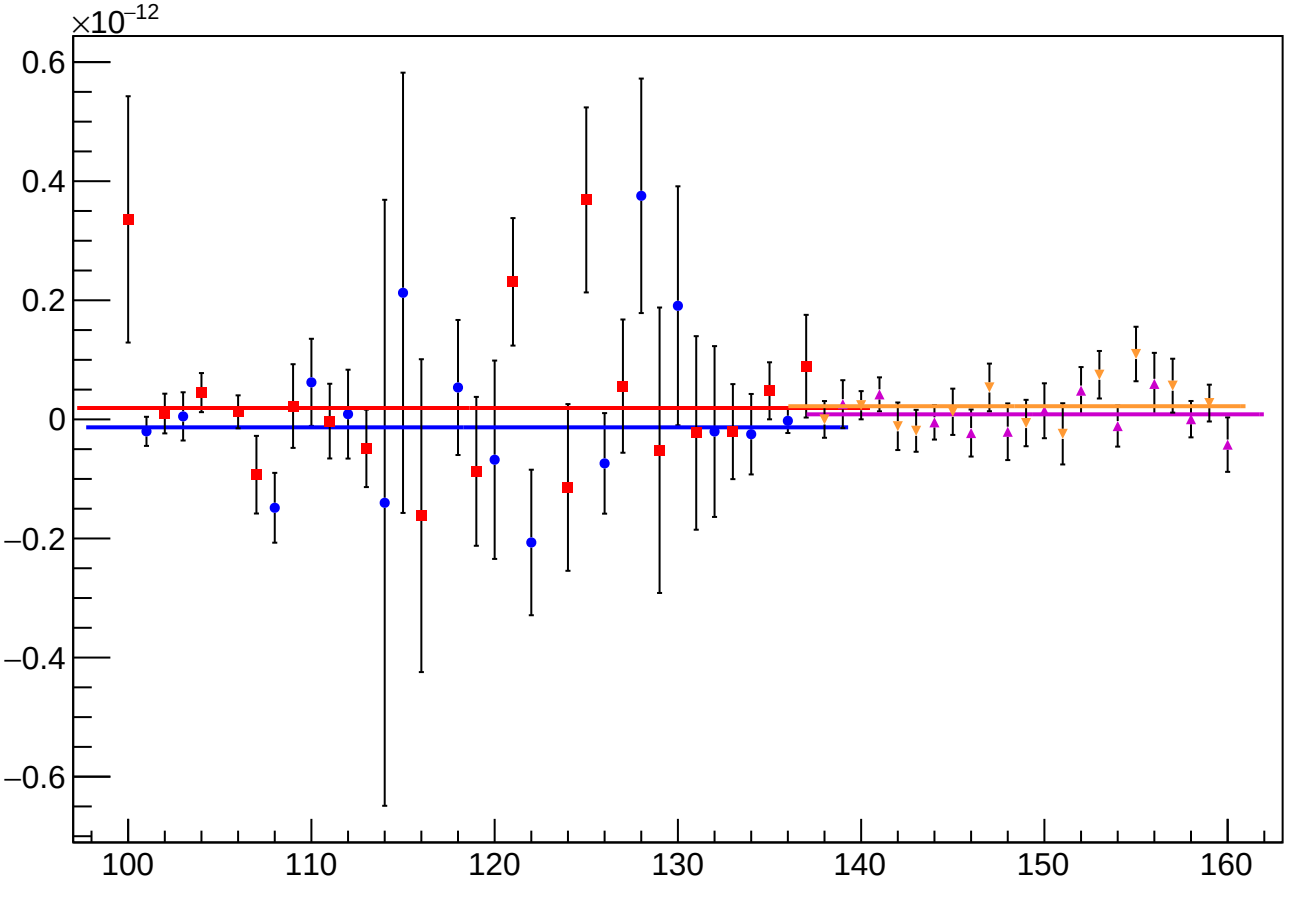
Left: 992.448+/-0.162 χ^2/NDF: 644532.2/22

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 708.975+/-0.136 χ^2/NDF:6272864.0/26

Out: 723.461+/-0.135 χ^2/NDF:5287573.2/30

All: 716.256+/-0.096 χ^2/NDF: 11566134.2/57



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:6.4/10

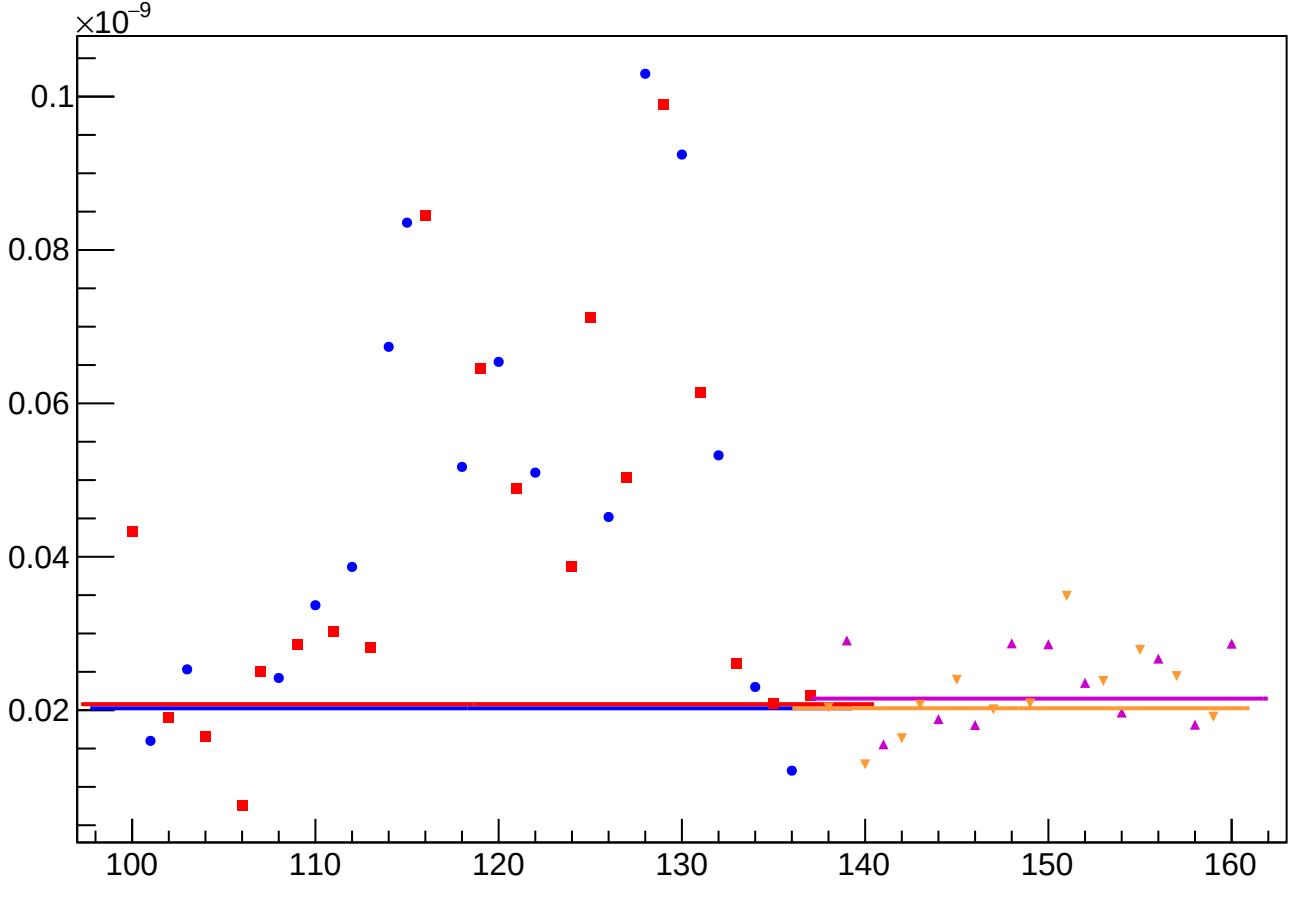
Left: 0.000+/-0.000 χ^2/NDF: 17.9/22

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:23.9/26

Out: 0.000+/-0.000 χ^2/NDF:30.6/30

All: 0.000+/-0.000 χ^2/NDF: 57.9/57



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:388241.1/10

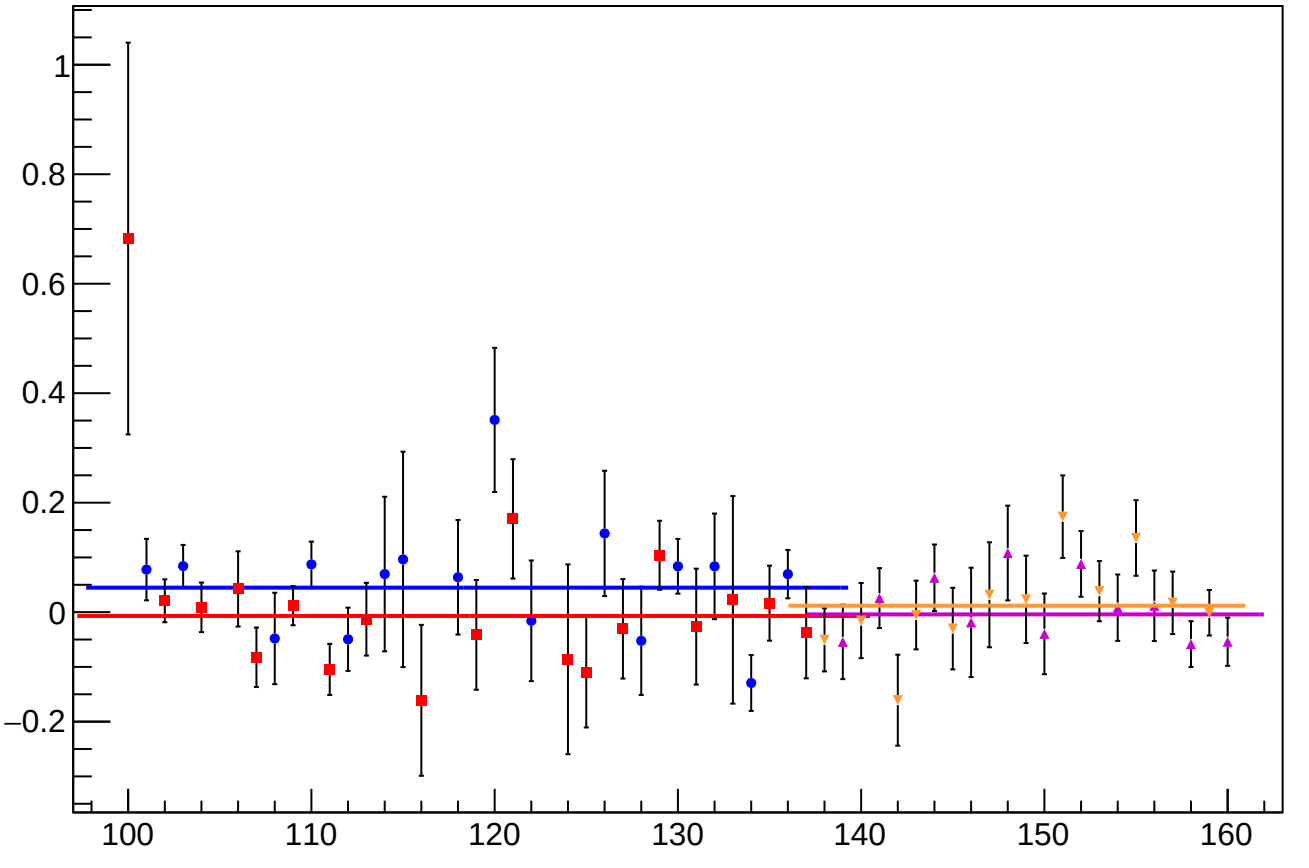
Left: 0.000+/-0.000 χ^2/NDF: 885040.4/22

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2403894.5/26

Out: 0.000+/-0.000 χ^2/NDF:2340963.4/30

All: 0.000+/-0.000 χ^2/NDF: 4748789.2/57



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: -0.004+/-0.018 χ^2/NDF:9.4/10

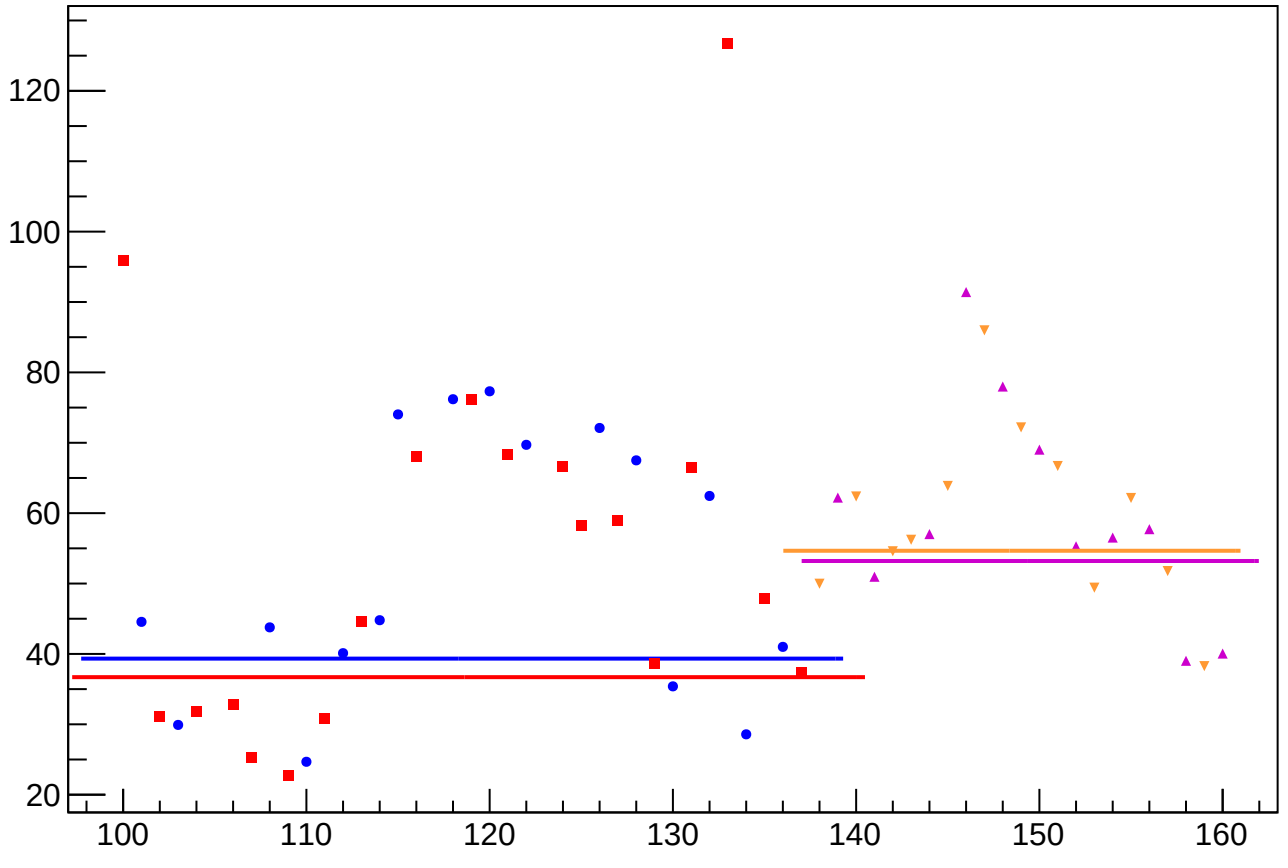
Left: 0.004+/-0.013 χ^2/NDF: 24.1/22

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.012+/-0.008 χ^2/NDF: 77.0/57



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: 53.203+/-0.013 χ^2/NDF:1021205.9/10

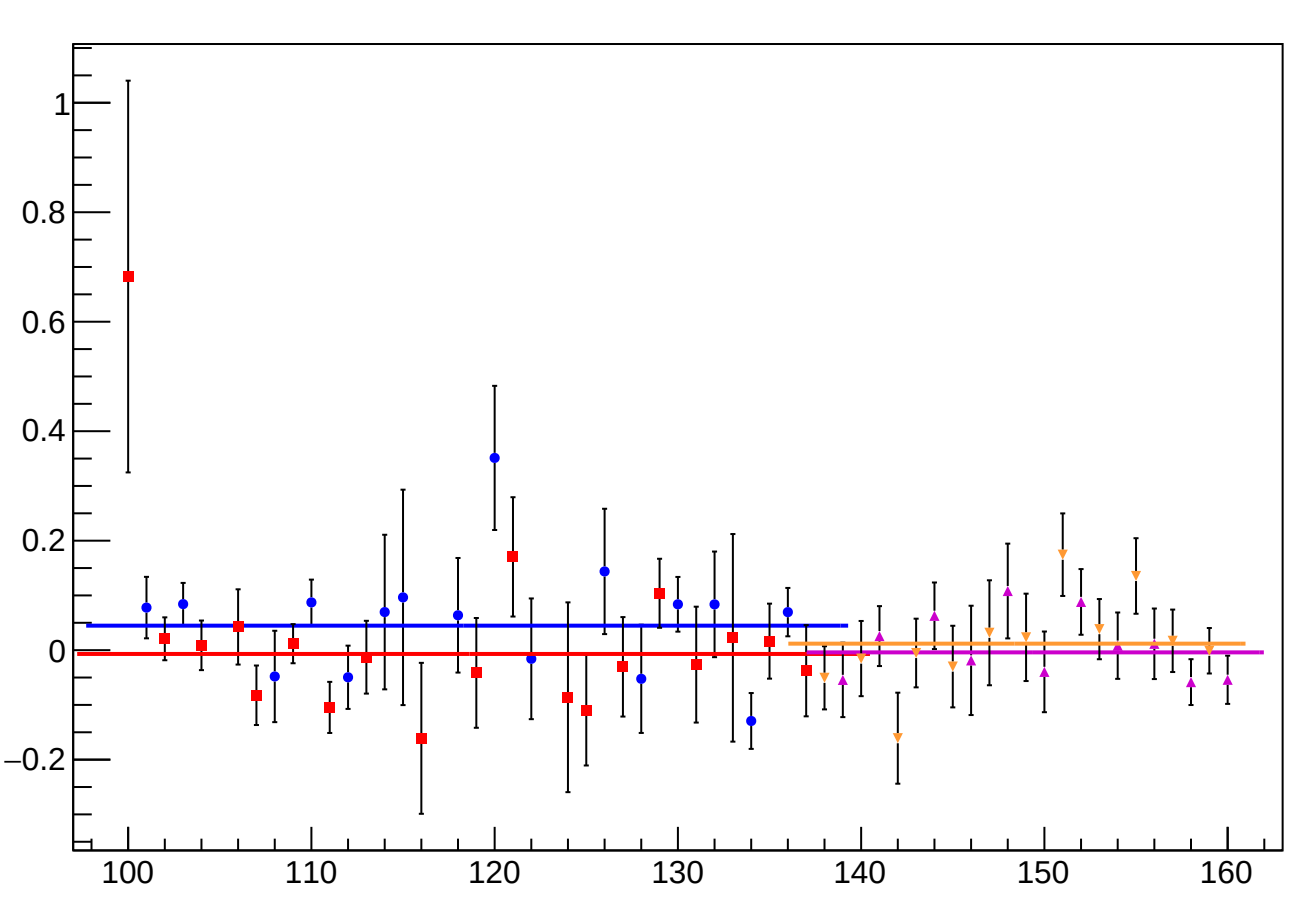
Left: 53.912+/-0.009 χ^2/NDF: 1817099.7/22

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.496+/-0.008 χ^2/NDF:3253554.0/26

Out: 43.943+/-0.008 χ^2/NDF:4025572.0/30

All: 44.702+/-0.006 χ^2/NDF: 7296432.1/57



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: -0.004+/-0.018 χ^2/NDF:9.4/10

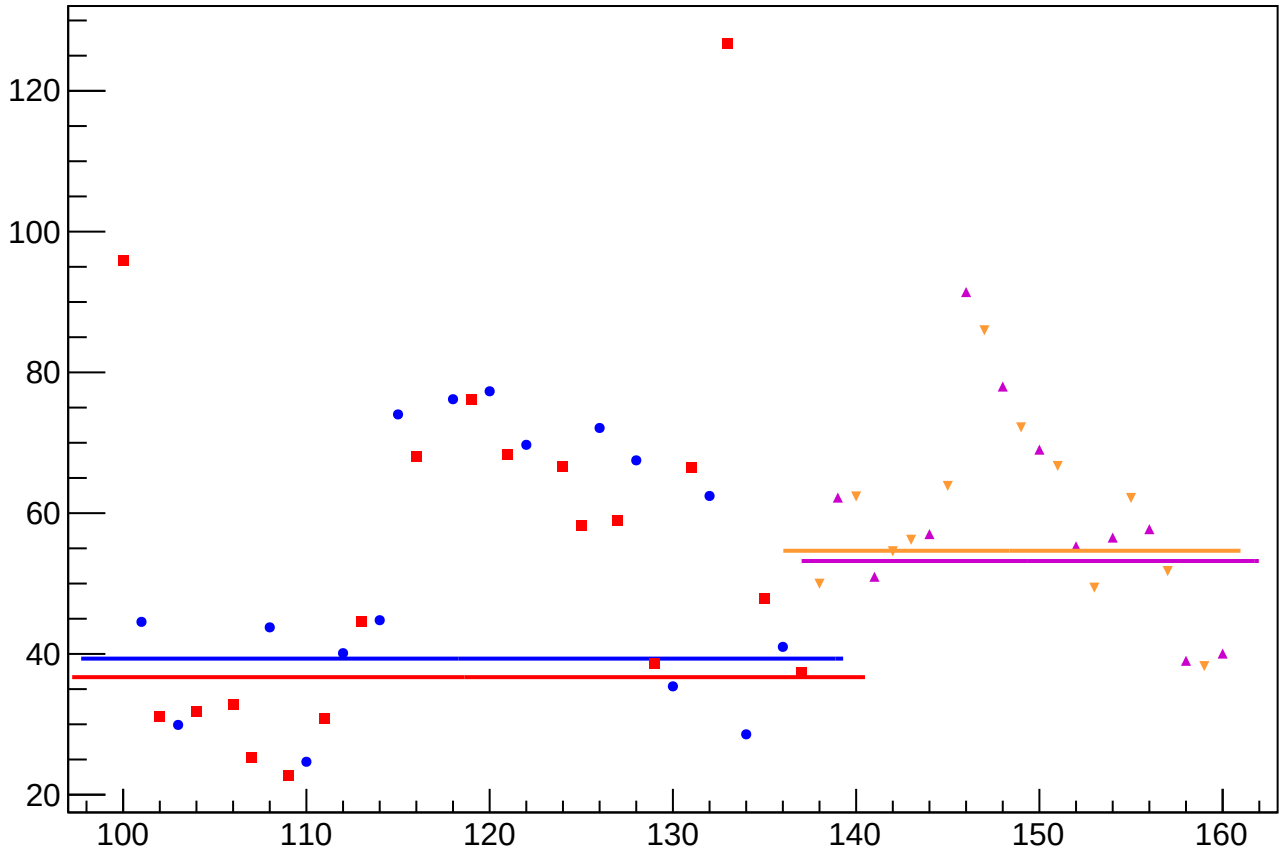
Left: 0.004+/-0.013 χ^2/NDF: 24.1/22

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.012+/-0.008 χ^2/NDF: 77.0/57



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: 53.203+/-0.013 χ^2/NDF:1021205.9/10

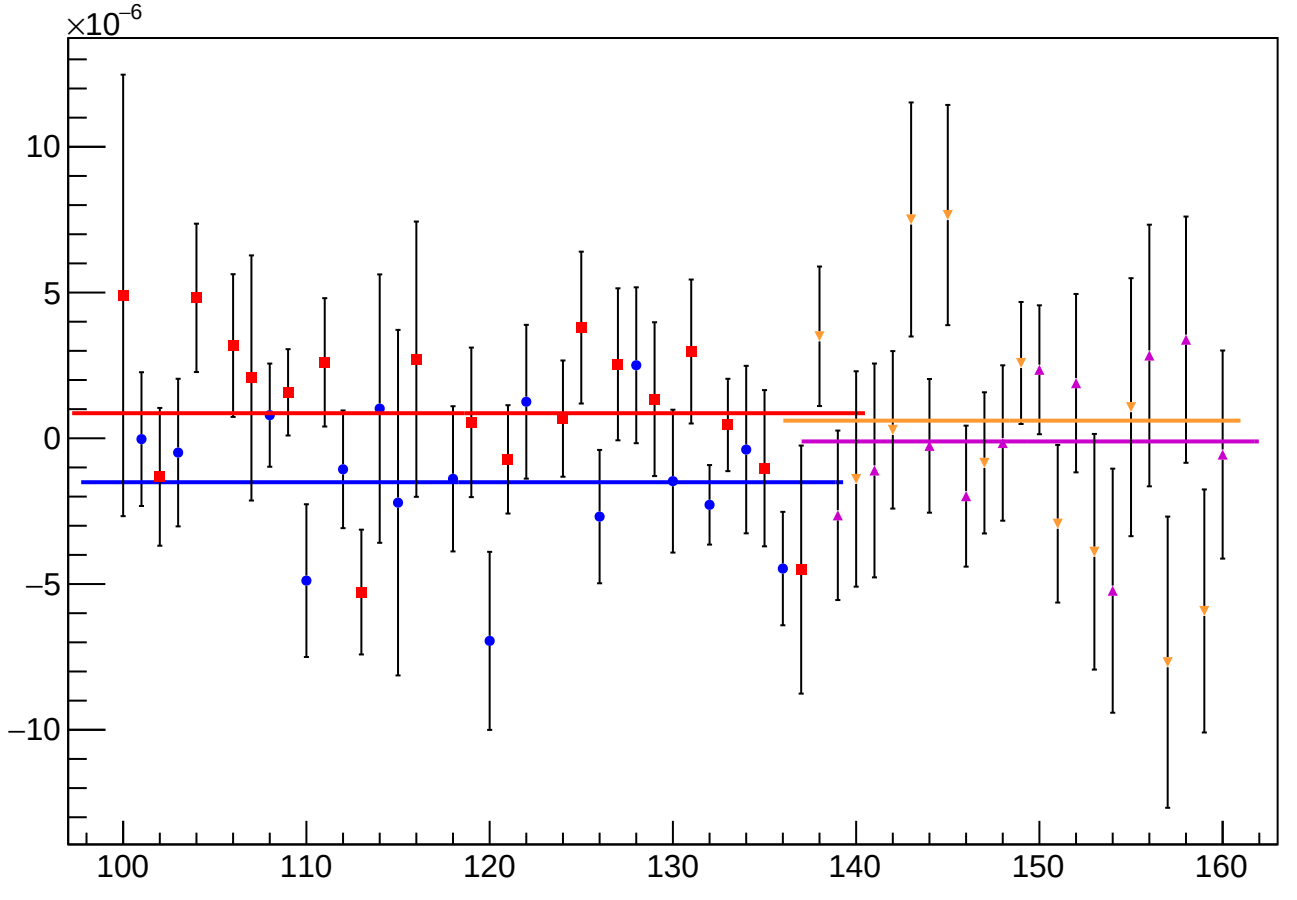
Left: 53.912+/-0.009 χ^2/NDF: 1817099.7/22

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.496+/-0.008 χ^2/NDF:3253554.0/26

Out: 43.943+/-0.008 χ^2/NDF:4025572.0/30

All: 44.702+/-0.006 χ^2/NDF: 7296432.1/57



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:5.7/10

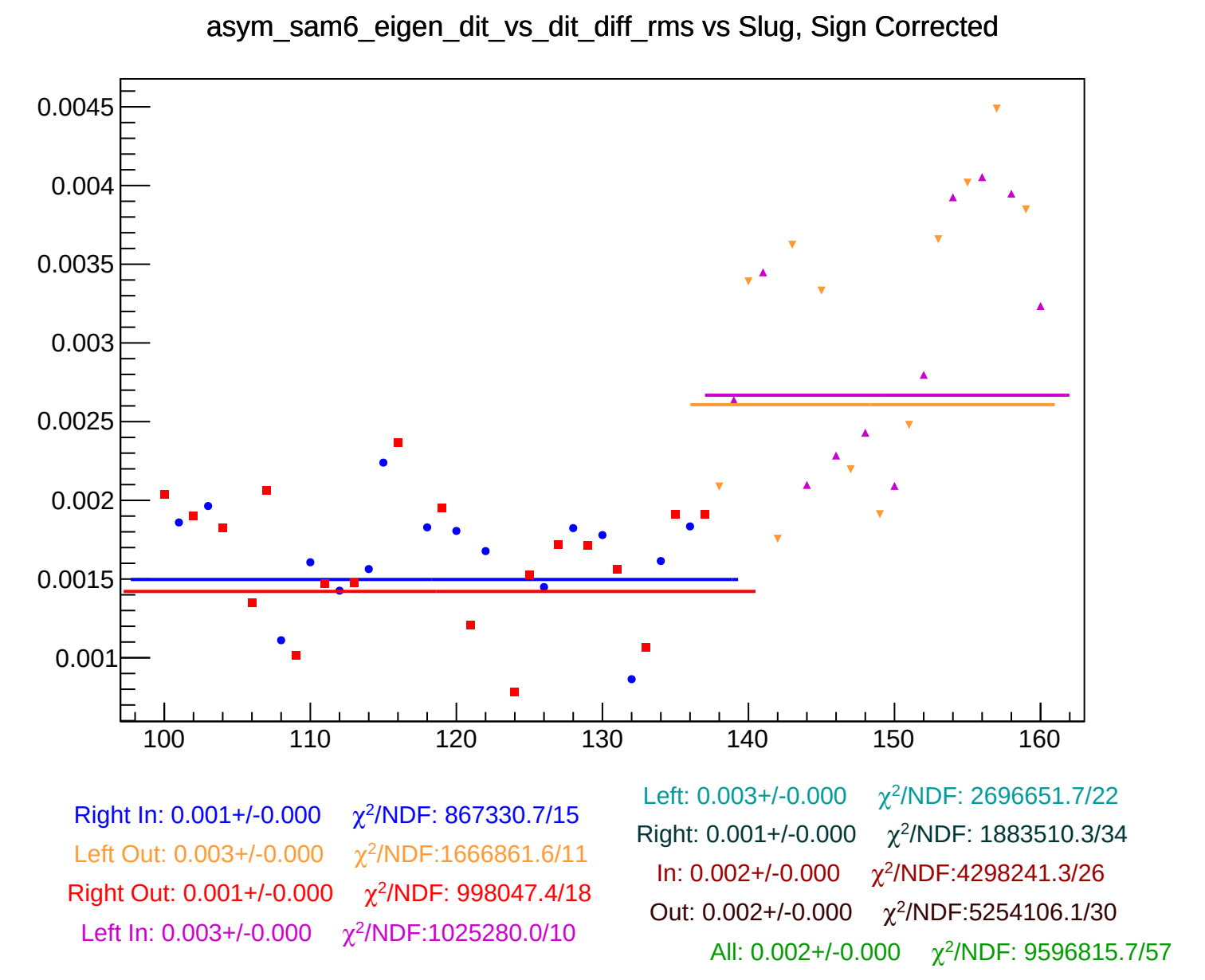
Left: 0.000+/-0.000 χ^2/NDF: 23.7/22

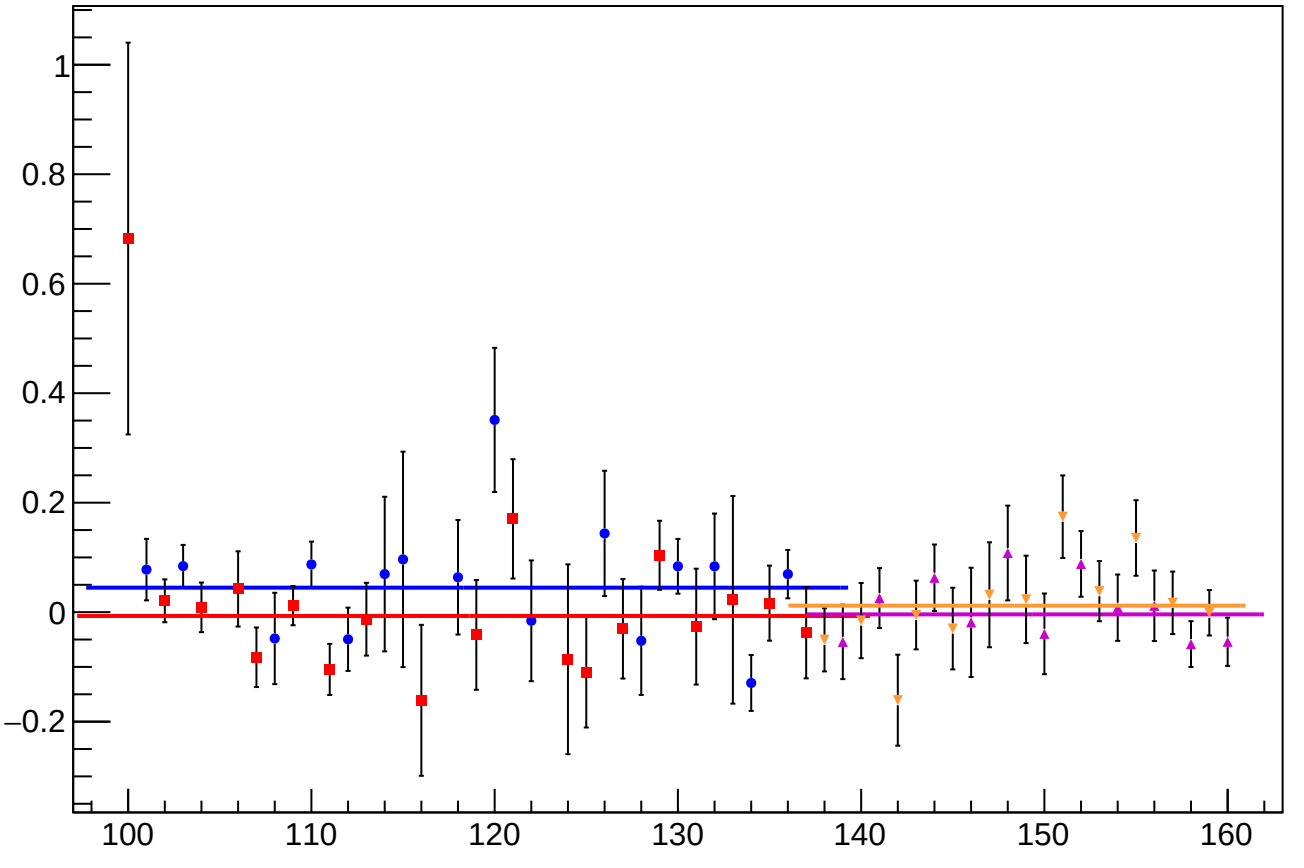
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:21.3/26

Out: 0.000+/-0.000 χ^2/NDF:36.8/30

All: -0.000+/-0.000 χ^2/NDF: 66.0/57


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:1025280.0/10
Left: 0.003+/-0.000 χ²/NDF: 2696651.7/22
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:4298241.3/26
Out: 0.002+/-0.000 χ²/NDF:5254106.1/30
All: 0.002+/-0.000 χ²/NDF: 9596815.7/57



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: -0.004+/-0.018 χ^2/NDF:9.4/10

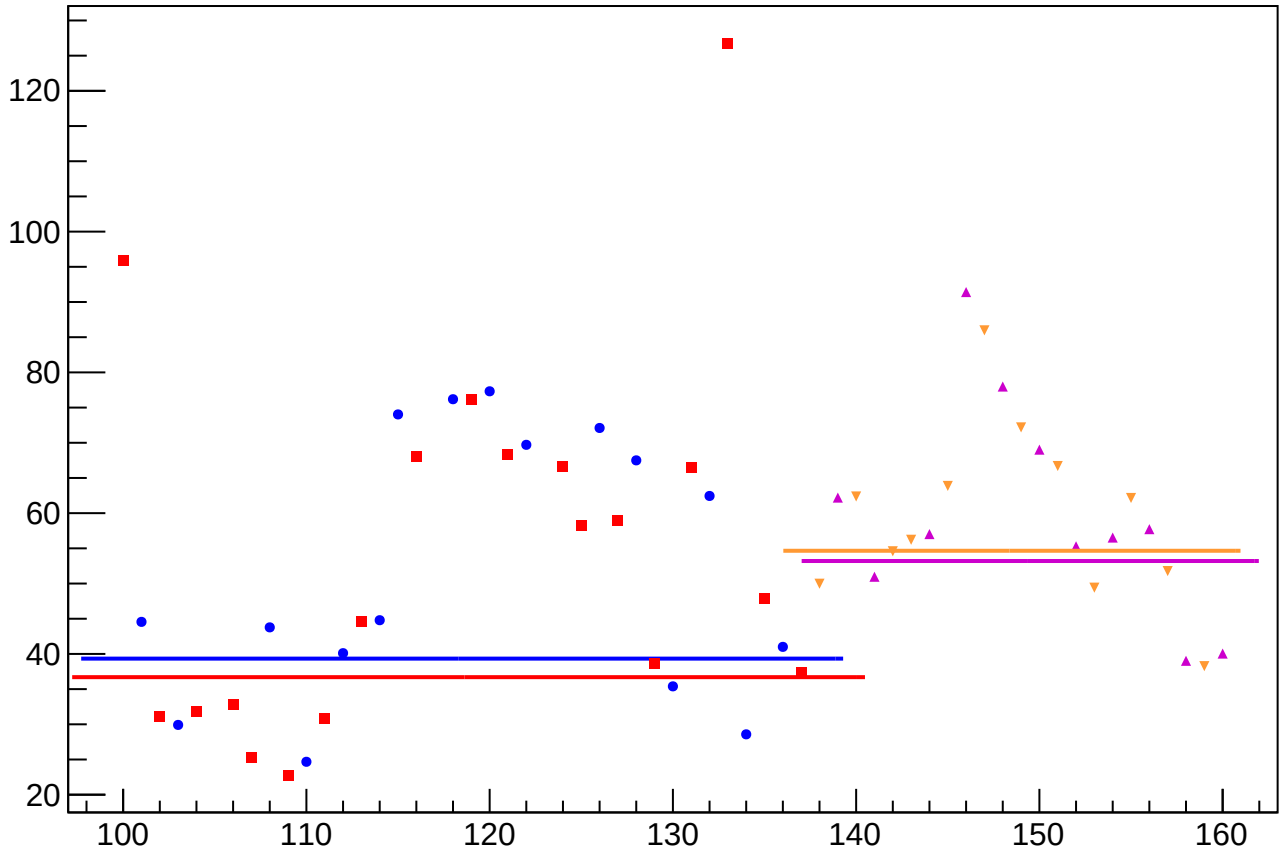
Left: 0.004+/-0.013 χ^2/NDF: 24.1/22

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.012+/-0.008 χ^2/NDF: 77.0/57



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: 53.202+/-0.013 χ^2/NDF:1021328.3/10

Left: 53.911+/-0.009 χ^2/NDF: 1817307.0/22

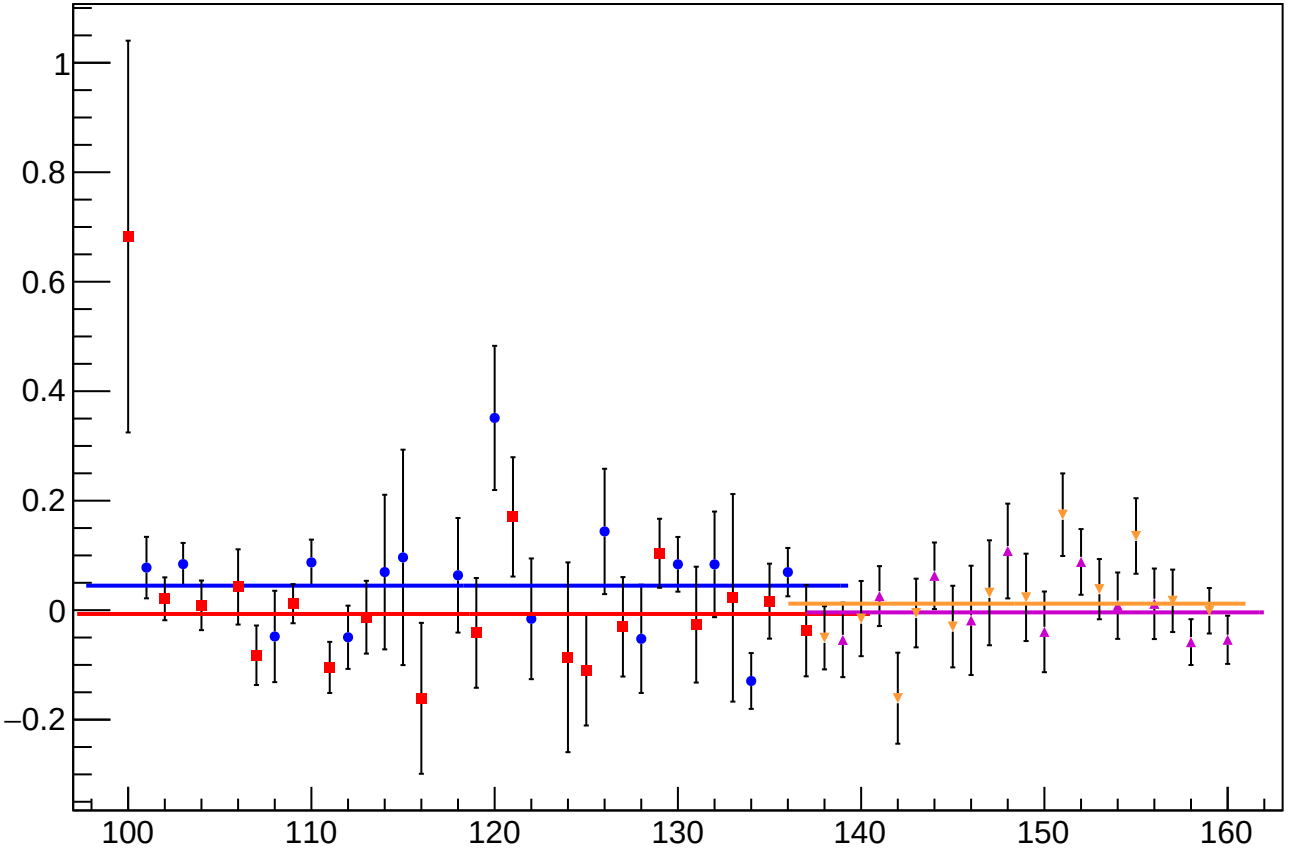
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.496+/-0.008 χ^2/NDF:3253651.0/26

Out: 43.942+/-0.008 χ^2/NDF:4025565.3/30

All: 44.701+/-0.006 χ^2/NDF: 7296516.8/57

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.018 χ^2/NDF:9.4/10

Left: 0.004+/-0.013 χ^2/NDF: 24.1/22

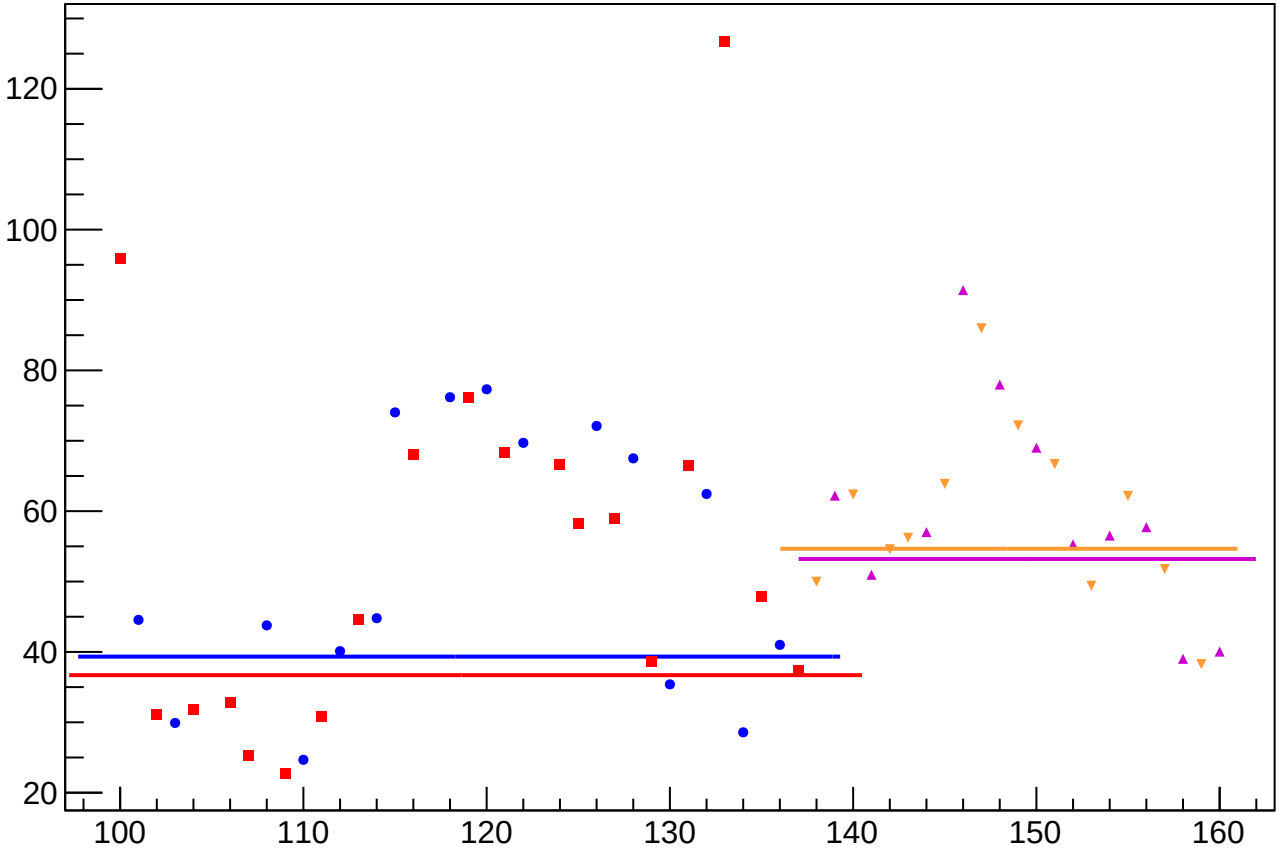
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.001+/-0.012 χ^2/NDF:35.1/30

All: 0.012+/-0.008 χ^2/NDF: 77.0/57

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 53.202+/-0.013 χ^2/NDF:1021328.3/10

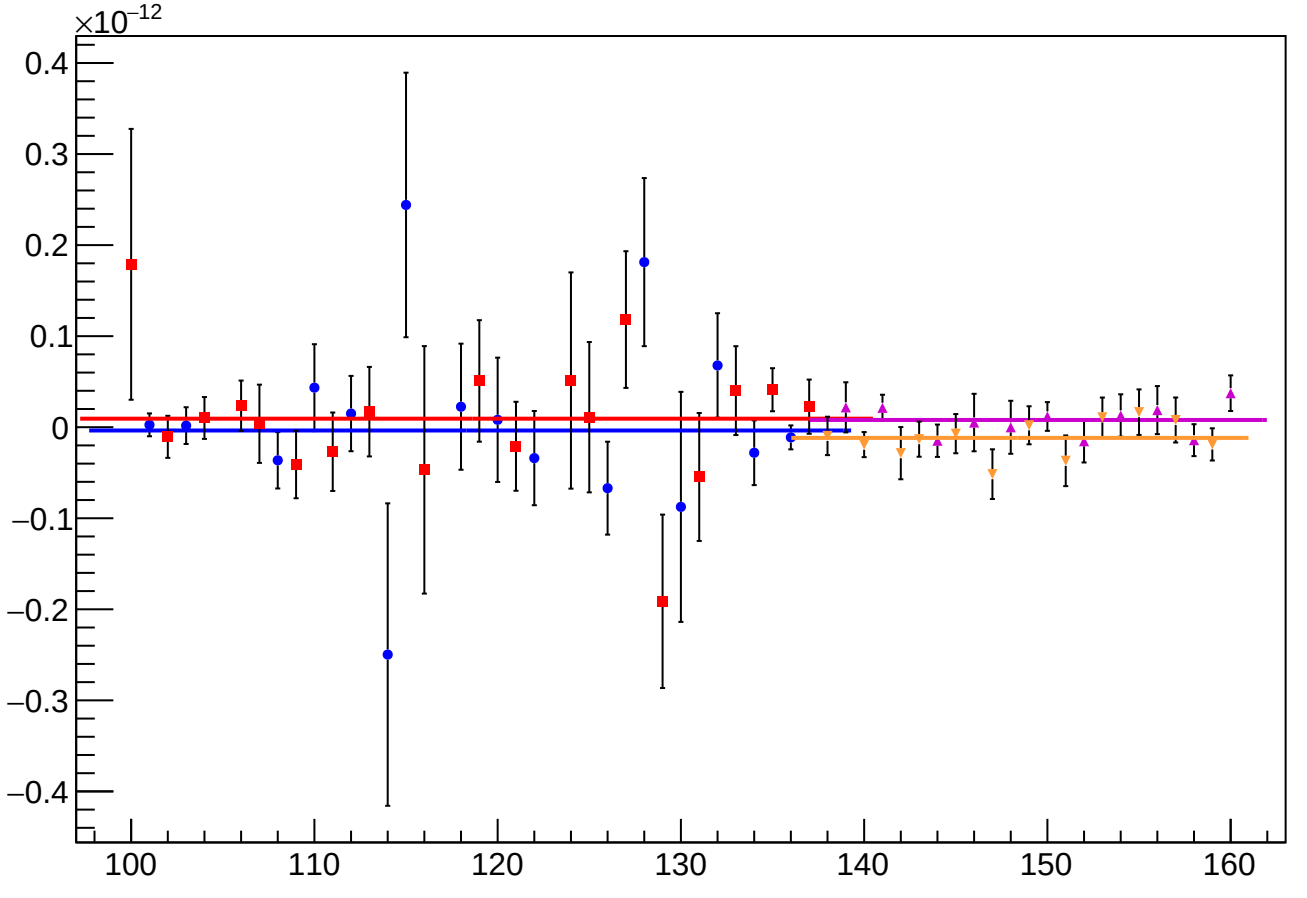
Left: 53.911+/-0.009 χ^2/NDF: 1817307.0/22

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.496+/-0.008 χ^2/NDF:3253651.0/26

Out: 43.942+/-0.008 χ^2/NDF:4025565.3/30

All: 44.701+/-0.006 χ^2/NDF: 7296516.8/57



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:8.0/10

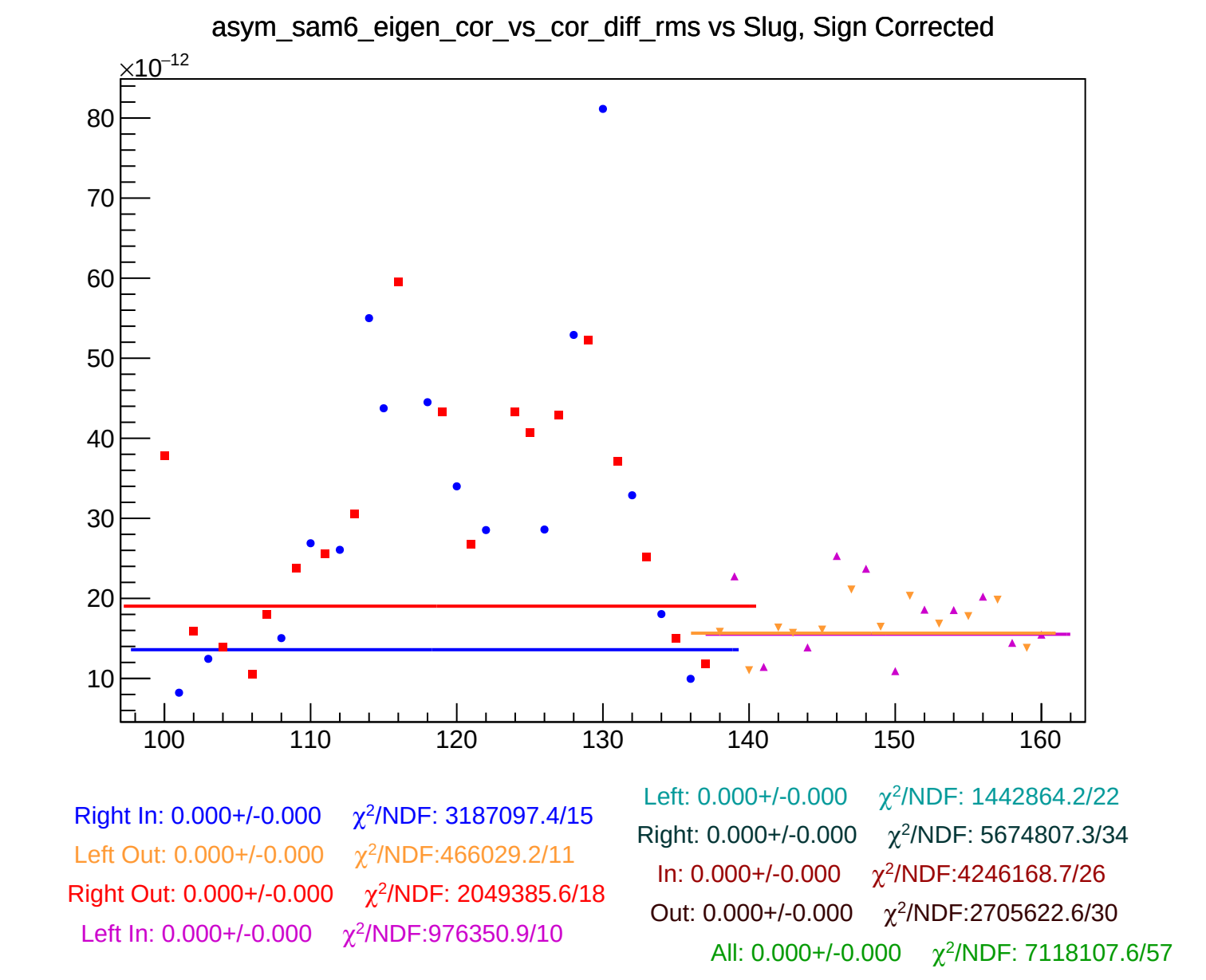
Left: -0.000+/-0.000 χ^2/NDF: 20.4/22

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

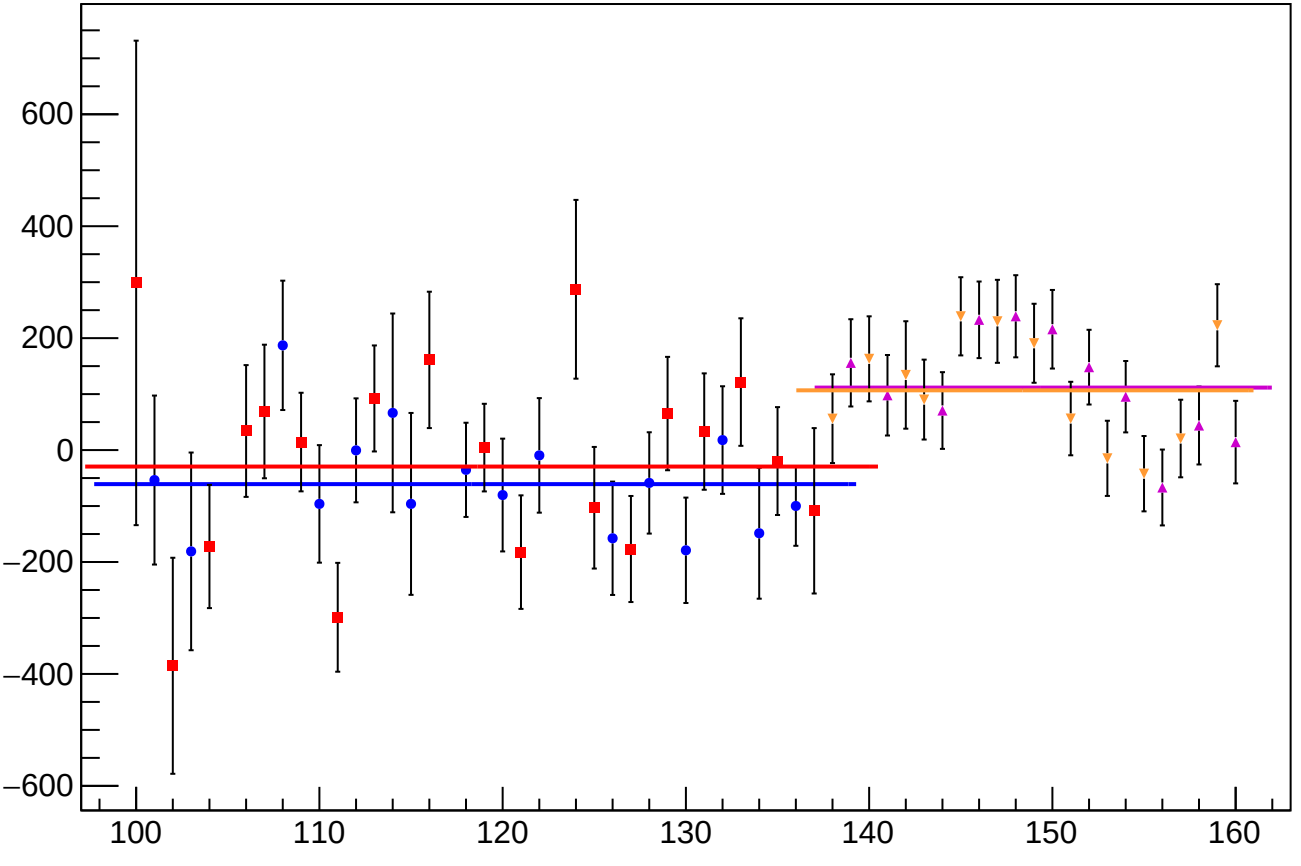
In: 0.000+/-0.000 χ^2/NDF:26.0/26

Out: -0.000+/-0.000 χ^2/NDF:26.7/30

All: -0.000+/-0.000 χ^2/NDF: 54.2/57


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:976350.9/10
Left: 0.000+/-0.000 χ²/NDF: 1442864.2/22
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4246168.7/26
Out: 0.000+/-0.000 χ²/NDF:2705622.6/30
All: 0.000+/-0.000 χ²/NDF: 7118107.6/57

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: 111.644+/-21.079 χ^2/NDF:19.1/10

Left: 109.173+/-14.836 χ^2/NDF: 40.8/22

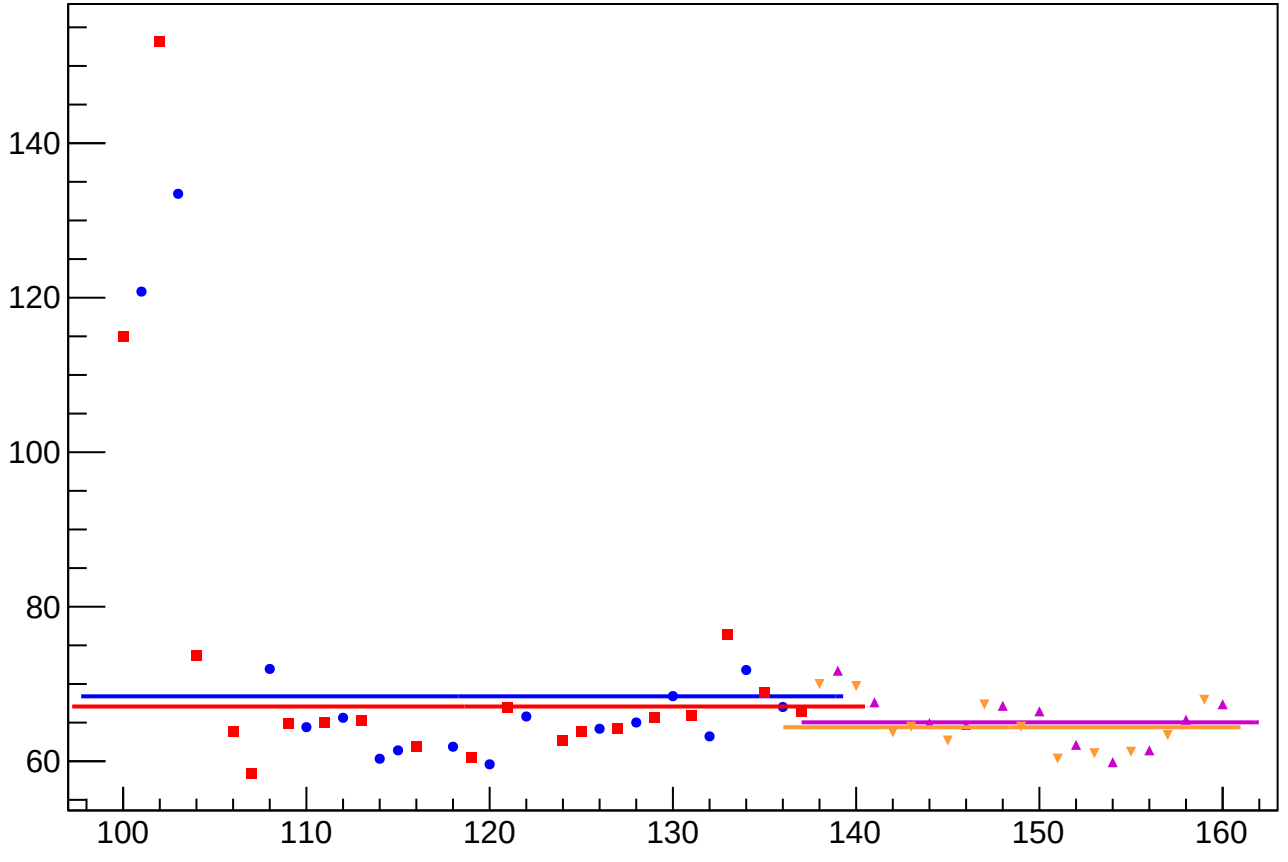
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 43.405+/-16.387 χ^2/NDF:56.1/26

Out: 51.043+/-16.056 χ^2/NDF:70.3/30

All: 47.302+/-11.468 χ^2/NDF: 126.5/57

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: 65.033+/-0.015 χ^2/NDF:44556.0/10

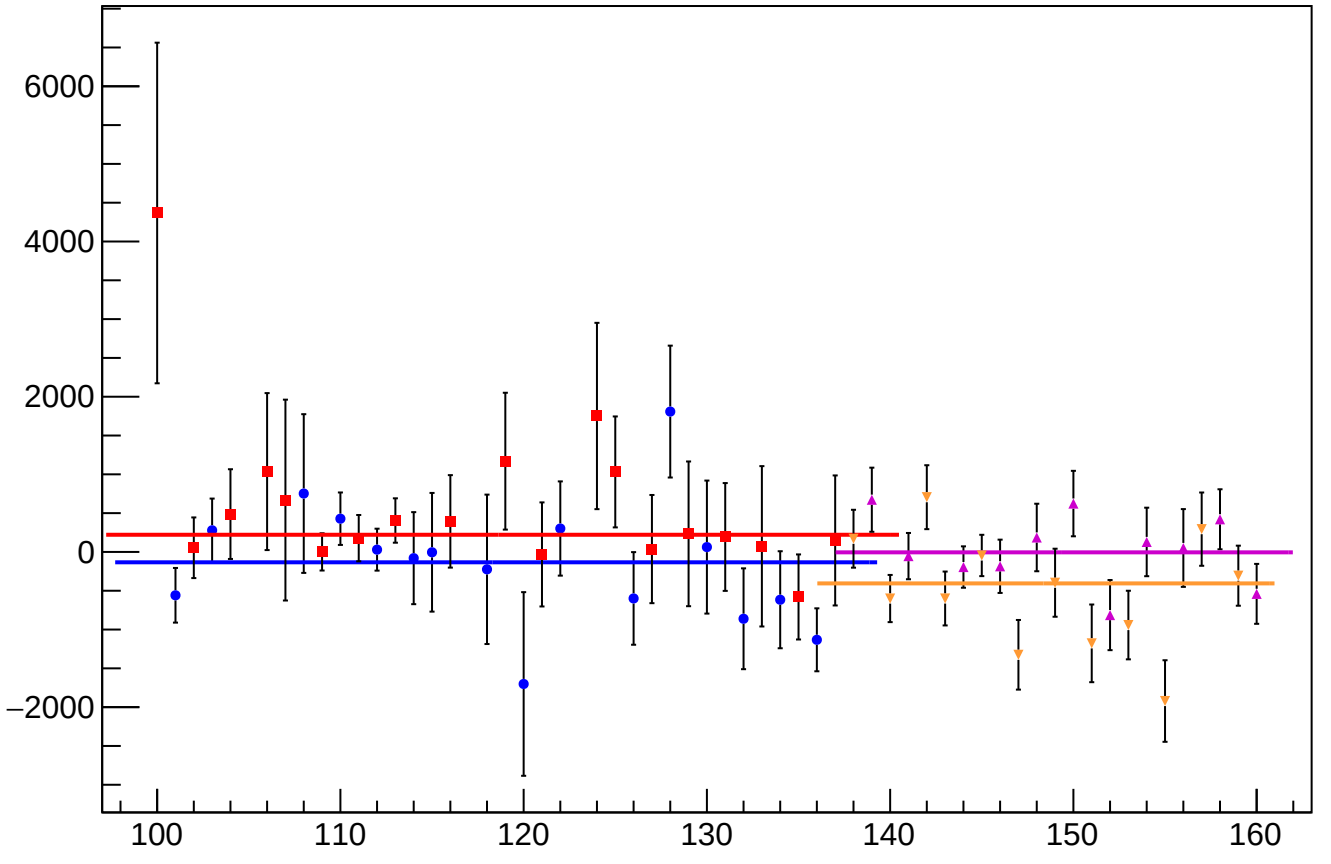
Left: 64.715+/-0.010 χ^2/NDF: 91971.5/22

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.366+/-0.012 χ^2/NDF:634338.2/26

Out: 65.500+/-0.011 χ^2/NDF:541829.9/30

All: 65.924+/-0.008 χ^2/NDF: 1179021.9/57



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: -5.262+/-113.253 χ^2/NDF:12.3/10

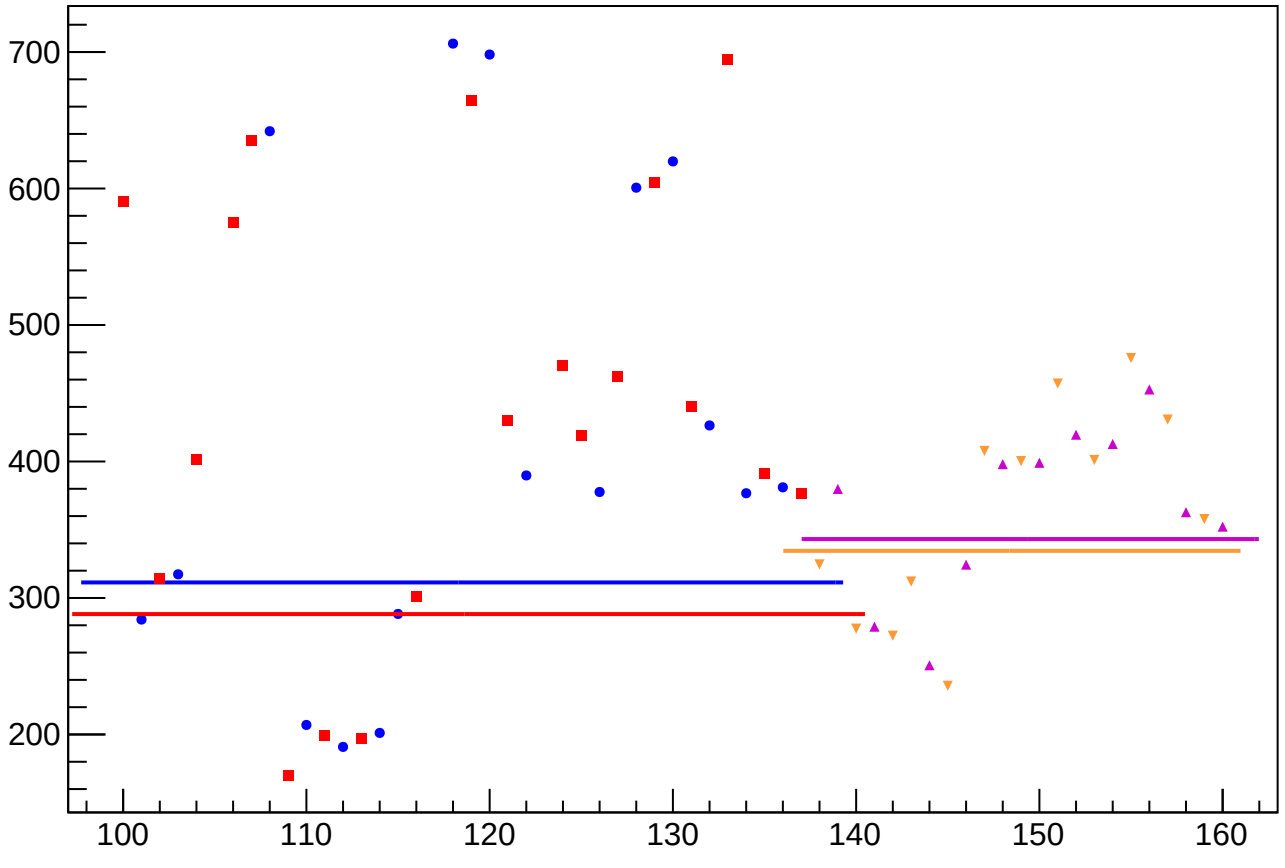
Left: -208.391+/-79.469 χ^2/NDF: 49.5/22

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -62.657+/-84.200 χ^2/NDF:35.4/26

Out: -109.099+/-80.987 χ^2/NDF:58.3/30

All: -86.781+/-58.369 χ^2/NDF: 93.9/57



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: 343.176+/-0.080 χ^2/NDF:630947.3/10

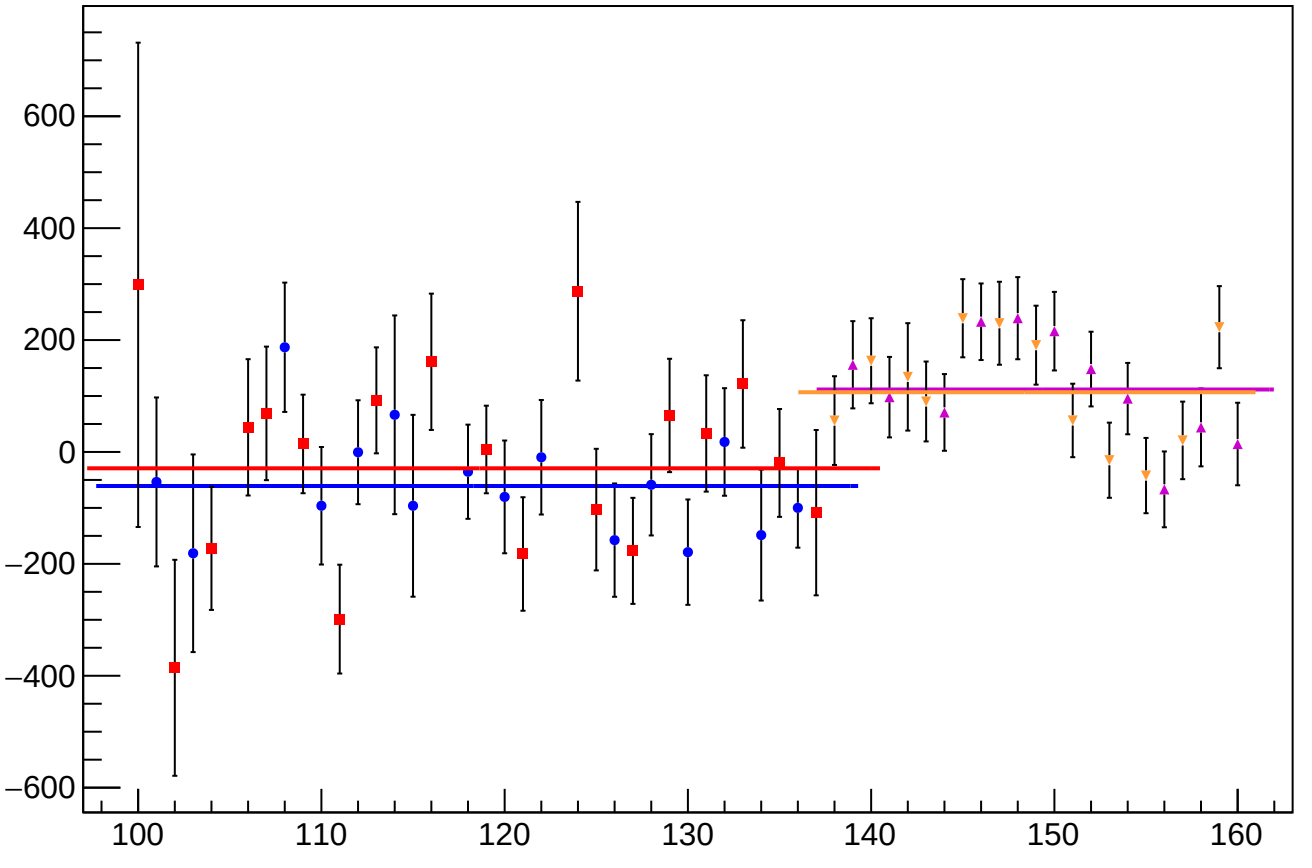
Left: 338.787+/-0.056 χ^2/NDF: 1536712.2/22

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 328.958+/-0.060 χ^2/NDF:2825224.5/26

Out: 312.628+/-0.057 χ^2/NDF:3778338.1/30

All: 320.475+/-0.041 χ^2/NDF: 6642640.6/57



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: 111.644+/-21.079 χ^2/NDF:19.1/10

Left: 109.174+/-14.836 χ^2/NDF: 40.8/22

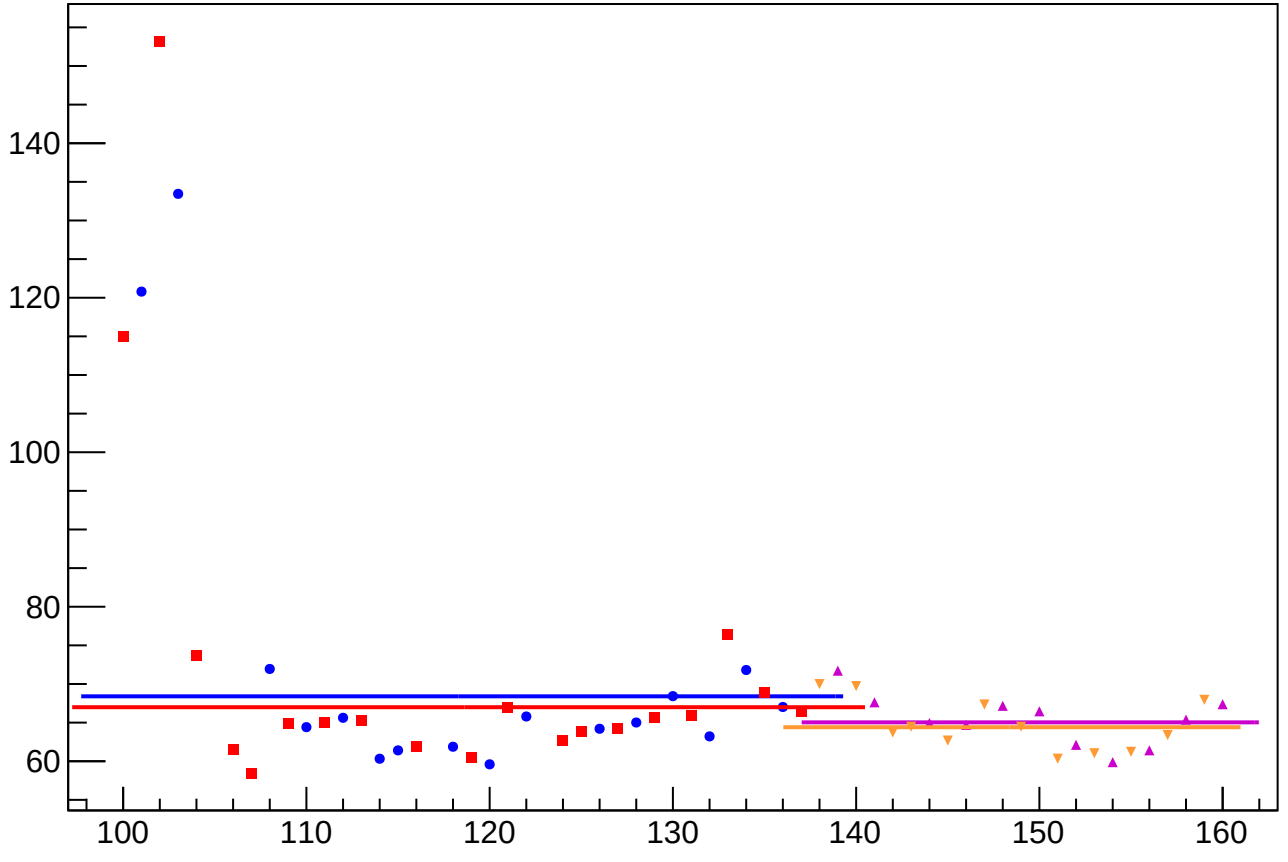
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 43.404+/-16.387 χ^2/NDF:56.1/26

Out: 51.238+/-16.065 χ^2/NDF:70.3/30

All: 47.399+/-11.472 χ^2/NDF: 126.5/57

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: 65.033+/-0.015 χ^2/NDF:44556.0/10

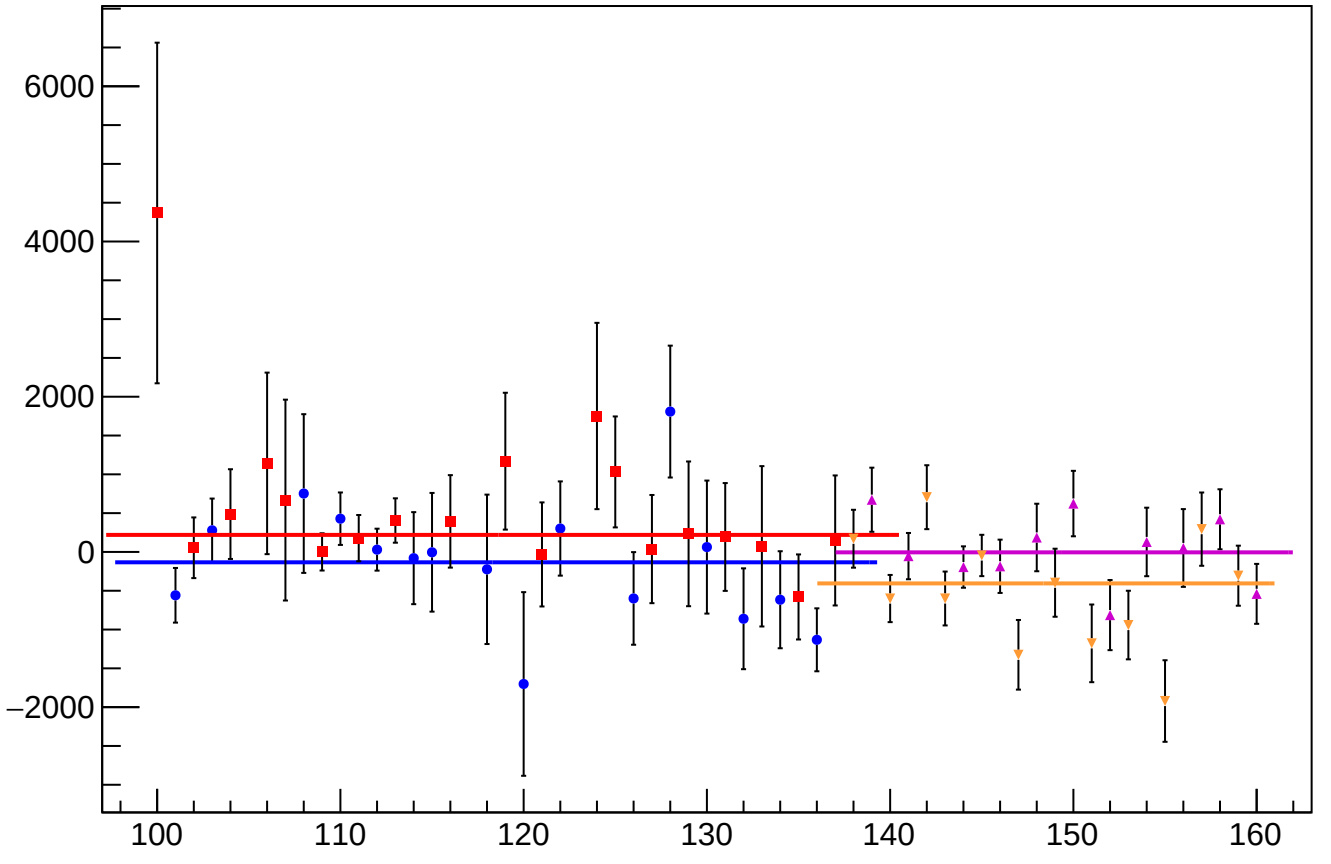
Left: 64.715+/-0.010 χ^2/NDF: 91971.5/22

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.366+/-0.012 χ^2/NDF:634338.6/26

Out: 65.461+/-0.011 χ^2/NDF:543578.8/30

All: 65.905+/-0.008 χ^2/NDF: 1181032.8/57



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: -5.266+/-113.253 χ^2/NDF:12.3/10

Left: -208.392+/-79.469 χ^2/NDF: 49.5/22

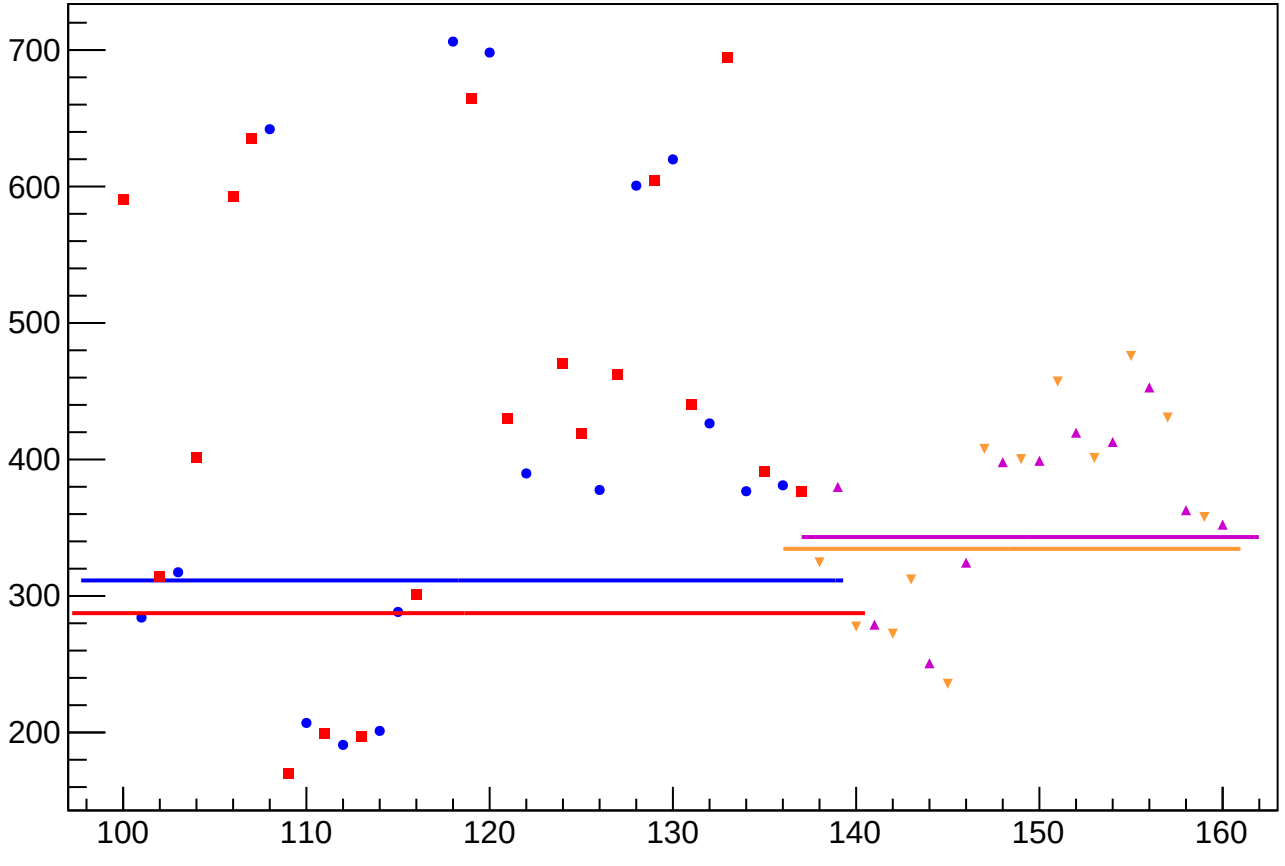
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -62.657+/-84.201 χ^2/NDF:35.4/26

Out: -110.453+/-81.054 χ^2/NDF:58.2/30

All: -87.464+/-58.395 χ^2/NDF: 93.7/57

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



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: 343.176+/-0.080 χ^2/NDF:630944.3/10

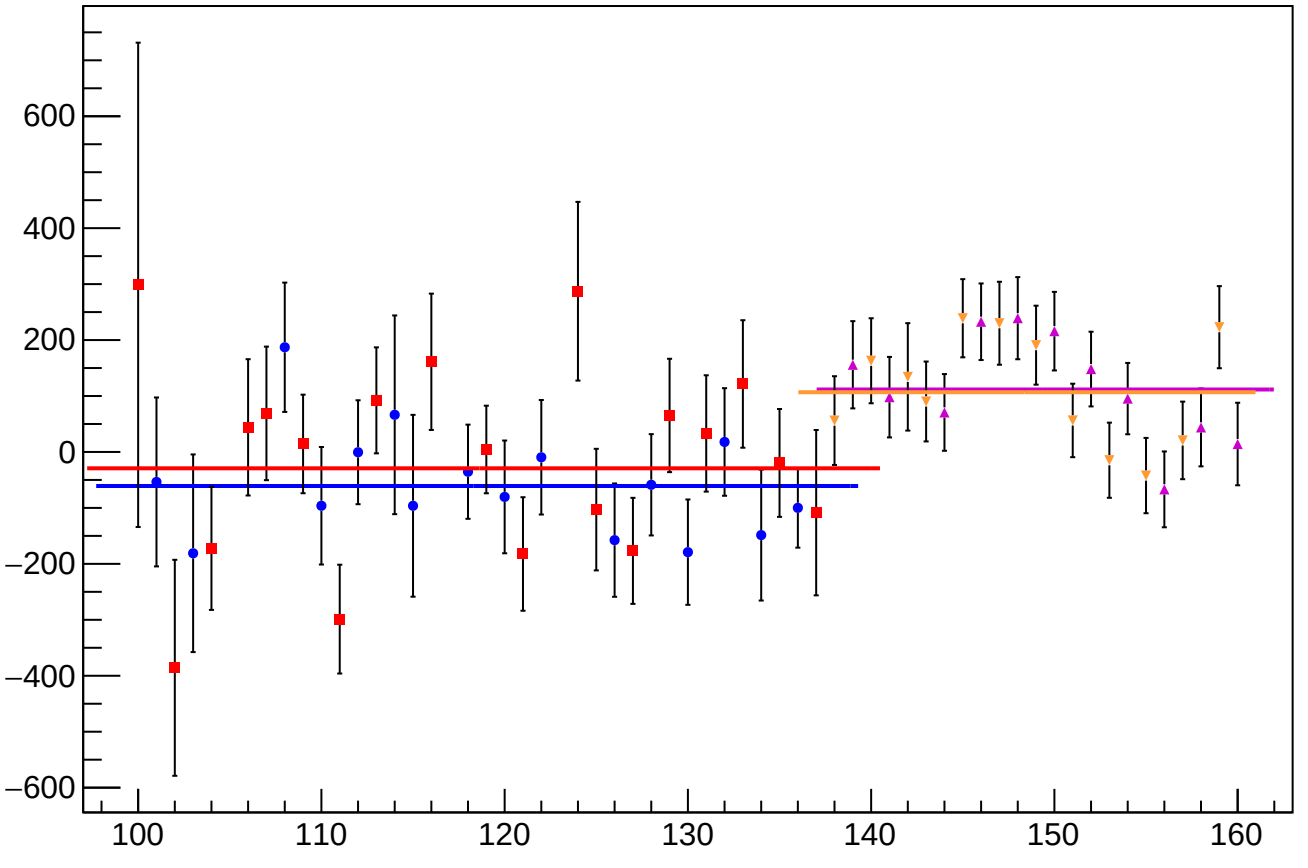
Left: 338.787+/-0.056 χ^2/NDF: 1536715.0/22

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.959+/-0.060 χ^2/NDF:2825214.8/26

Out: 312.295+/-0.057 χ^2/NDF:3758530.5/30

All: 320.310+/-0.041 χ^2/NDF: 6624406.8/57



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: 111.644+/-21.079 χ^2/NDF:19.1/10

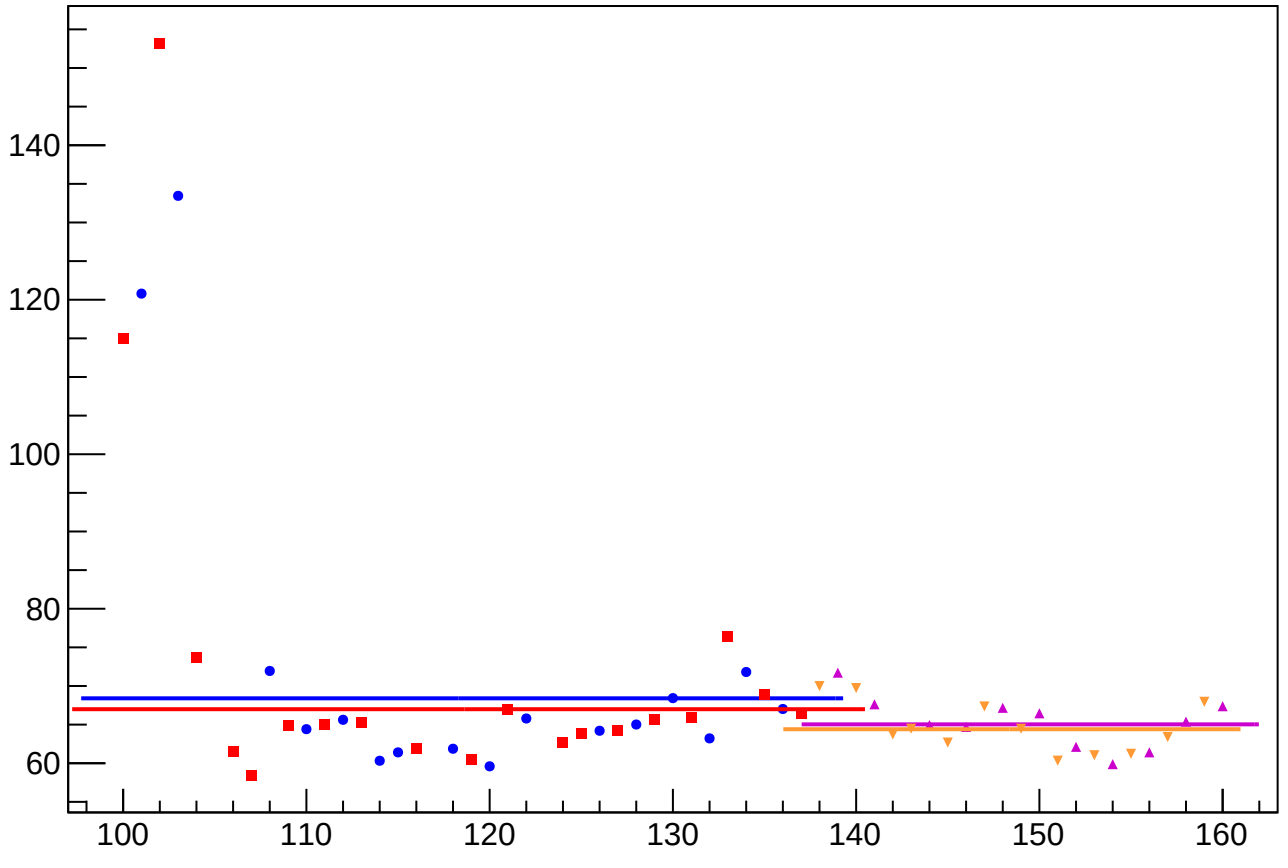
Left: 109.174+/-14.836 χ^2/NDF: 40.8/22

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 43.404+/-16.387 χ^2/NDF:56.1/26

Out: 51.238+/-16.065 χ^2/NDF:70.3/30

All: 47.399+/-11.472 χ^2/NDF: 126.5/57



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: 65.033+/-0.015 χ^2/NDF:44556.0/10

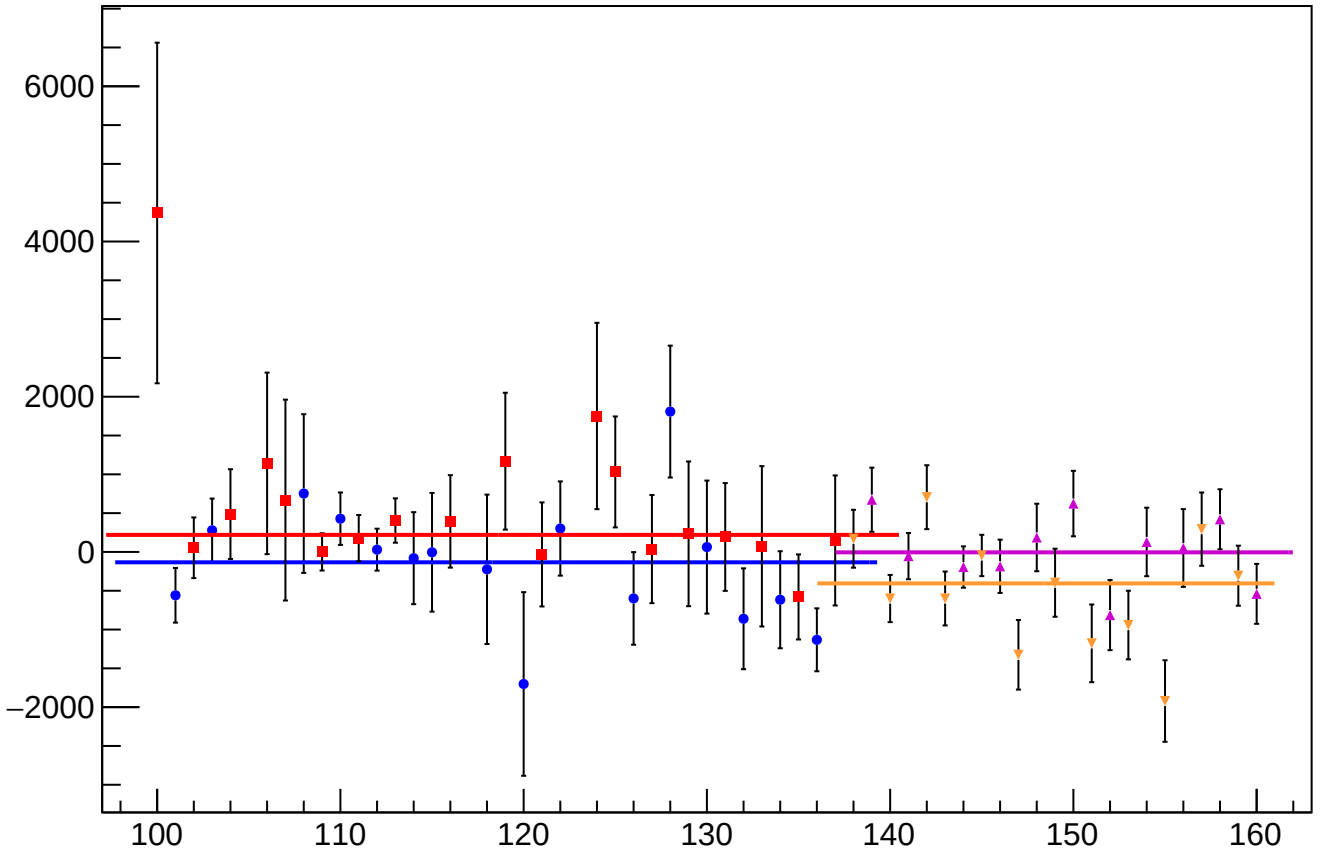
Left: 64.715+/-0.010 χ^2/NDF: 91971.5/22

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.366+/-0.012 χ^2/NDF:634338.6/26

Out: 65.461+/-0.011 χ^2/NDF:543578.8/30

All: 65.905+/-0.008 χ^2/NDF: 1181032.8/57



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: -5.266+/-113.253 χ^2/NDF:12.3/10

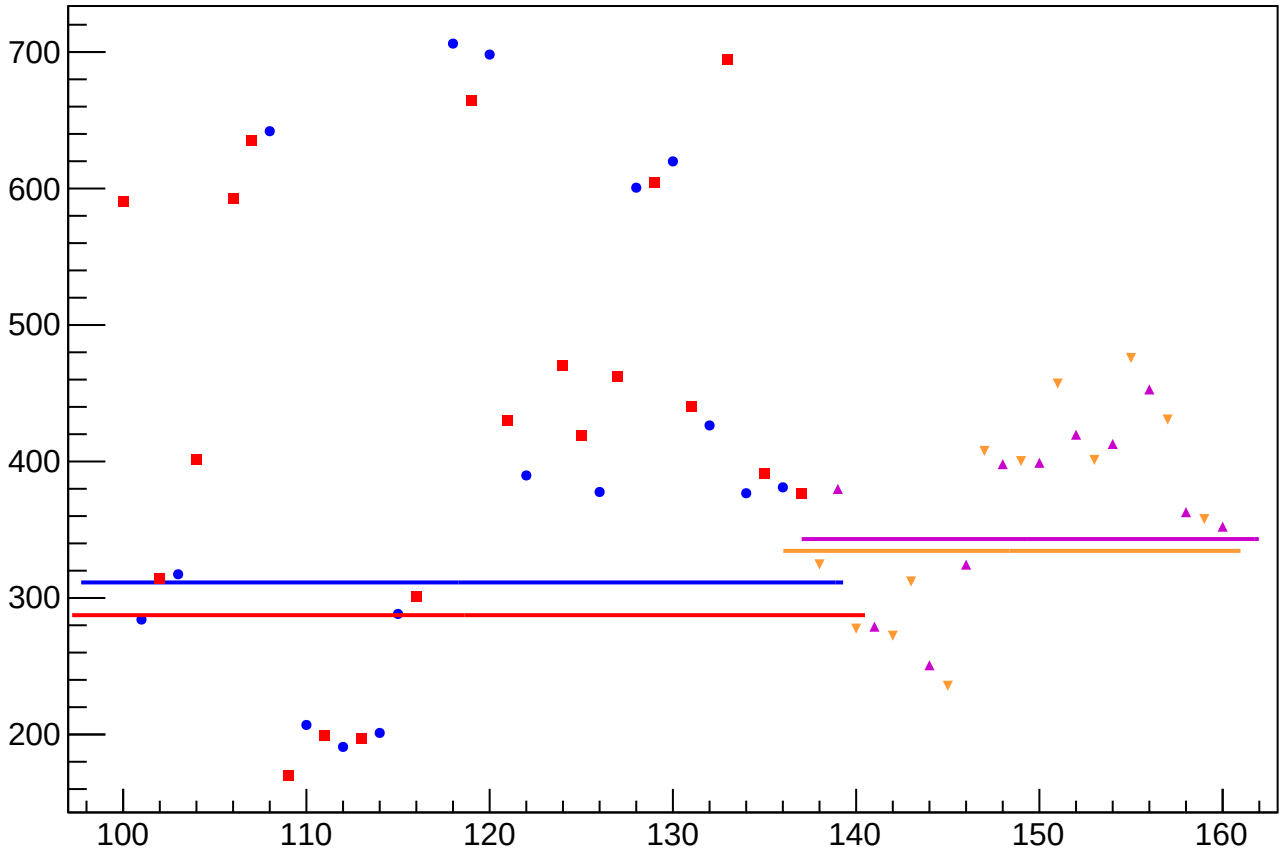
Left: -208.392+/-79.469 χ^2/NDF: 49.5/22

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -62.657+/-84.201 χ^2/NDF:35.4/26

Out: -110.453+/-81.054 χ^2/NDF:58.2/30

All: -87.464+/-58.395 χ^2/NDF: 93.7/57



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: 343.176+/-0.080 χ^2/NDF:630944.3/10

Left: 338.787+/-0.056 χ^2/NDF: 1536715.0/22

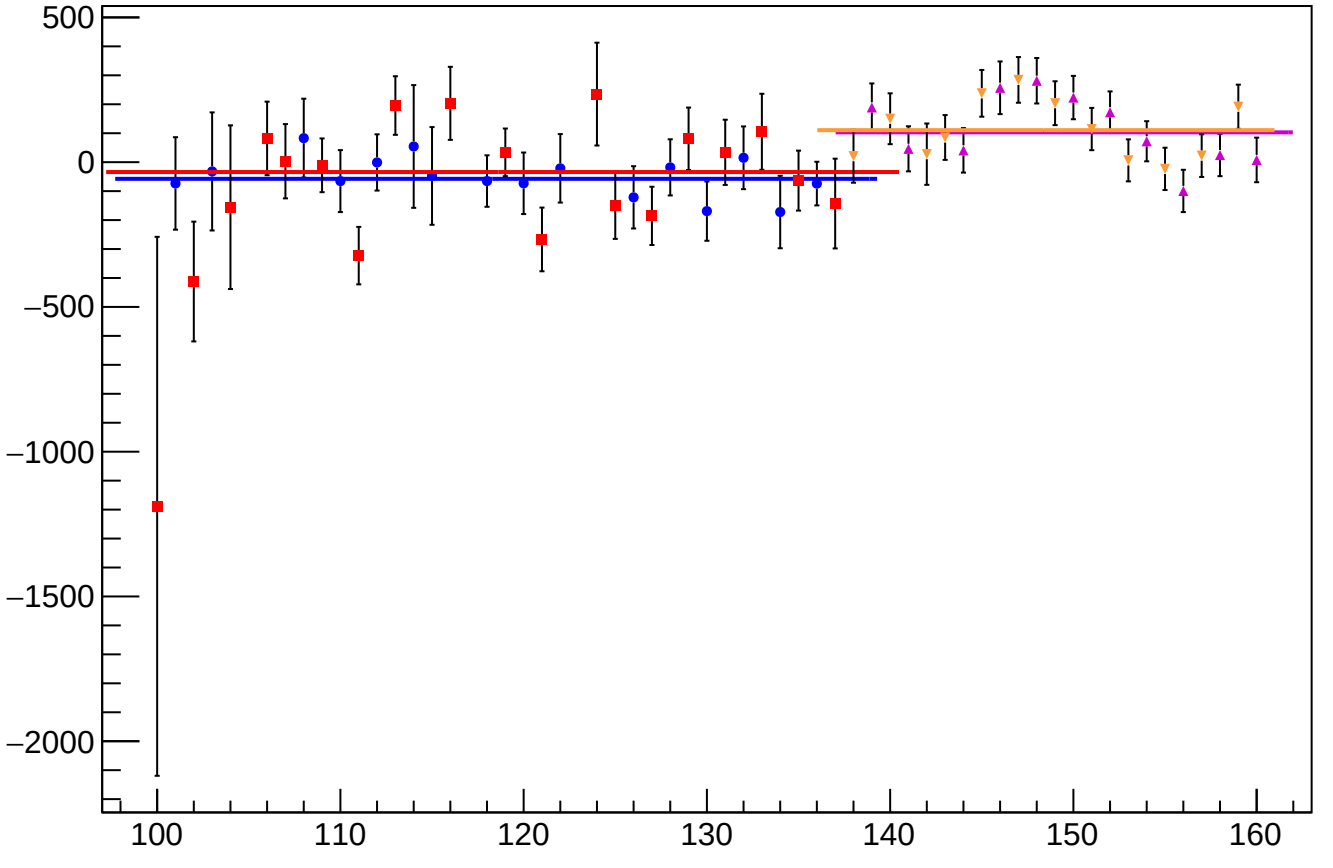
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.959+/-0.060 χ^2/NDF:2825214.8/26

Out: 312.295+/-0.057 χ^2/NDF:3758530.5/30

All: 320.310+/-0.041 χ^2/NDF: 6624406.8/57

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: 102.993+/-23.019 χ^2/NDF:24.4/10

Left: 106.811+/-16.219 χ^2/NDF: 43.1/22

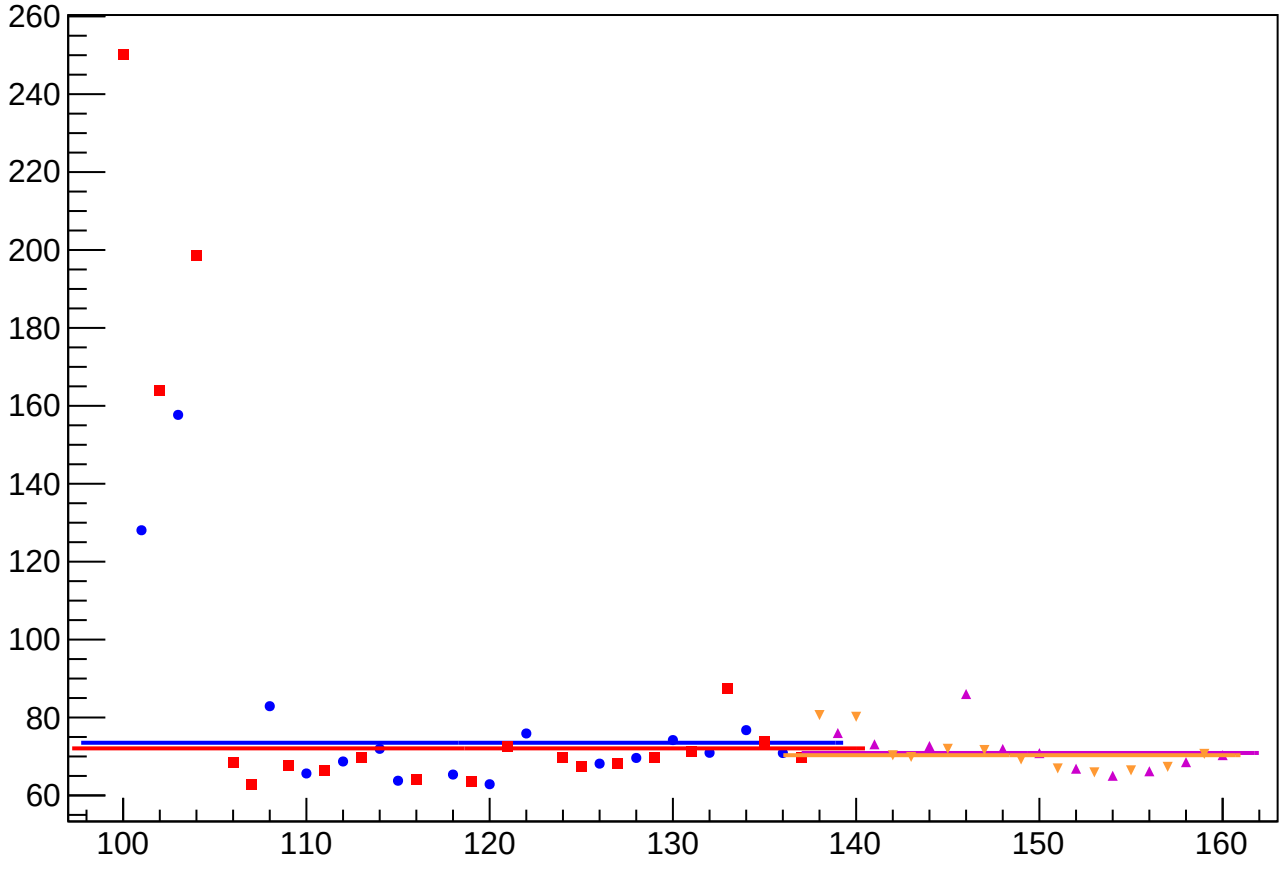
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 38.494+/-17.804 χ^2/NDF:48.8/26

Out: 51.231+/-17.551 χ^2/NDF:72.3/30

All: 44.953+/-12.499 χ^2/NDF: 121.3/57

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: 70.896+/-0.016 χ^2/NDF:97040.2/10

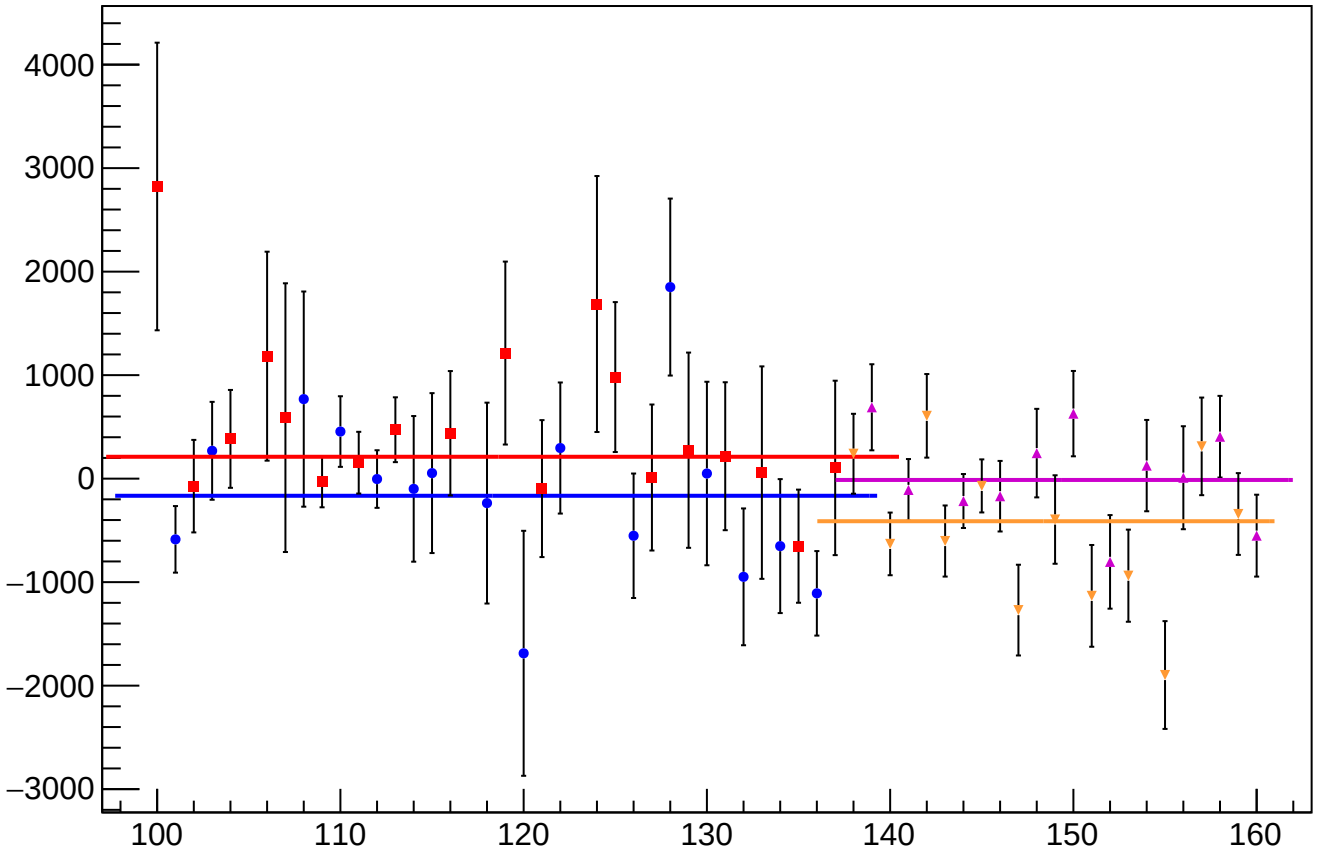
Left: 70.609+/-0.011 χ^2/NDF: 170716.2/22

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.950+/-0.013 χ^2/NDF:764321.7/26

Out: 71.043+/-0.012 χ^2/NDF:1036354.6/30

All: 71.490+/-0.009 χ^2/NDF: 1803308.2/57



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: -12.729+/-112.811 χ^2/NDF:12.7/10

Left: -216.213+/-78.937 χ^2/NDF: 48.8/22

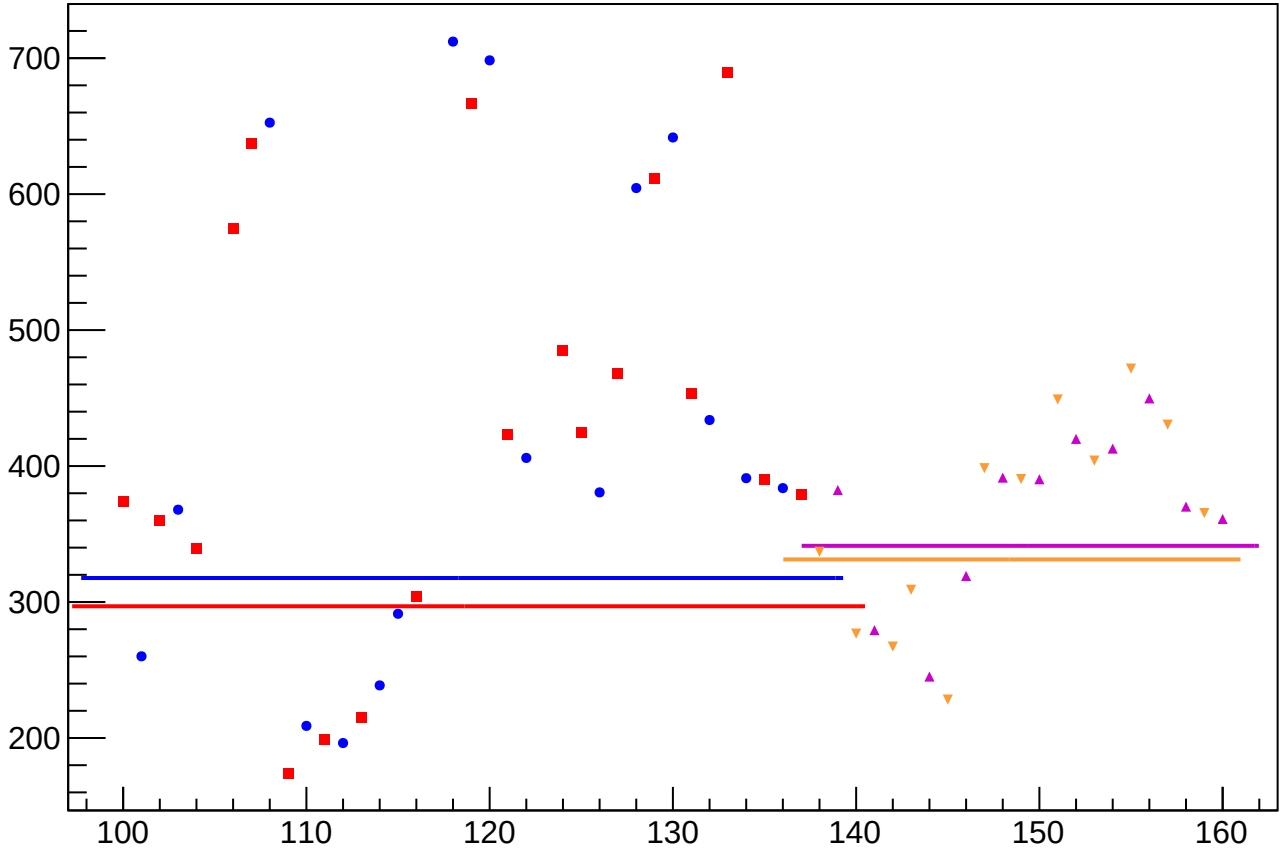
Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -79.260+/-84.759 χ^2/NDF:36.1/26

Out: -125.993+/-81.322 χ^2/NDF:57.9/30

All: -103.593+/-58.681 χ^2/NDF: 94.2/57

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



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: 341.337+/-0.080 χ^2/NDF:665811.0/10

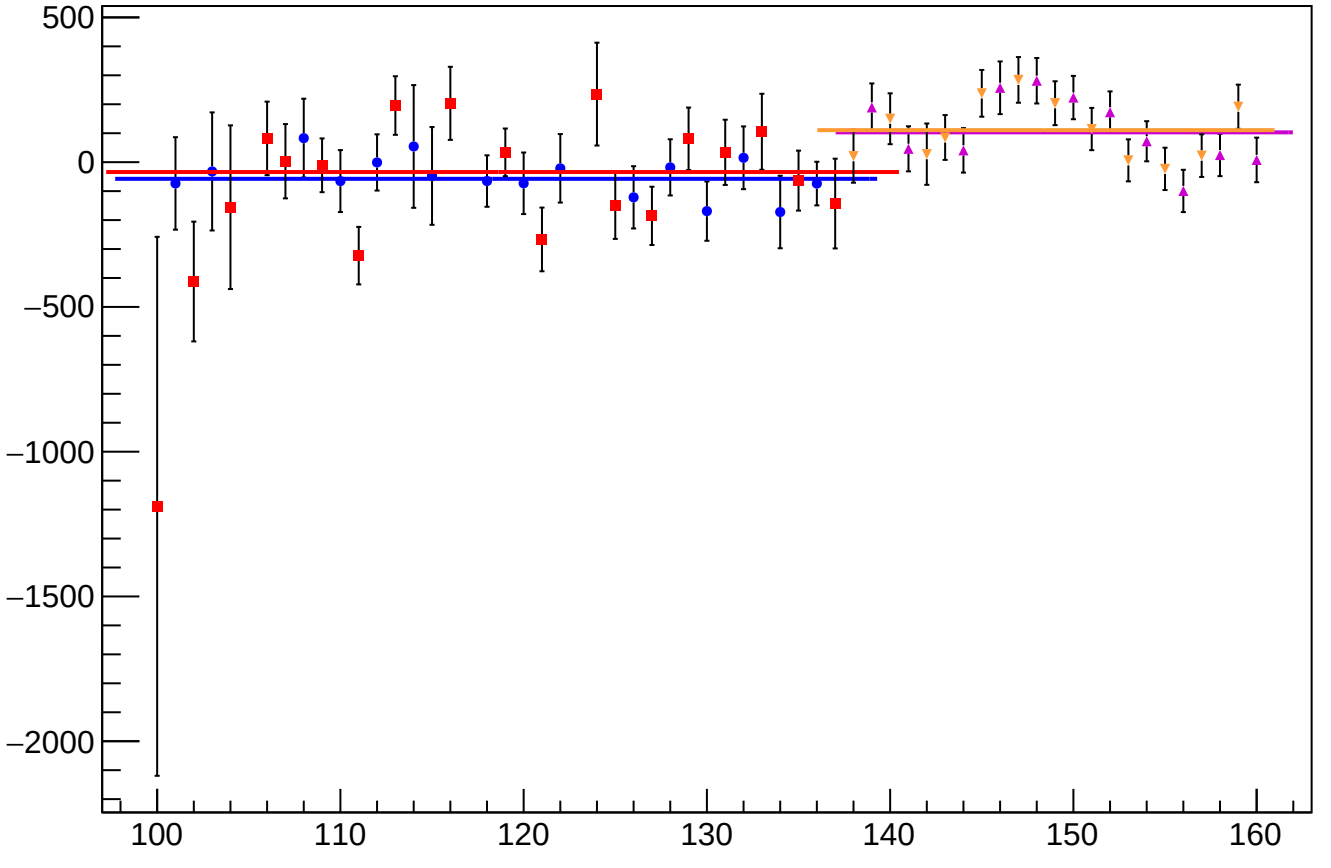
Left: 336.231+/-0.056 χ^2/NDF: 1622974.4/22

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 331.027+/-0.060 χ^2/NDF:2840358.3/26

Out: 315.546+/-0.058 χ^2/NDF:3579255.3/30

All: 322.966+/-0.041 χ^2/NDF: 6454355.6/57



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: 102.992+/-23.019 χ^2/NDF:24.4/10

Left: 106.811+/-16.219 χ^2/NDF: 43.1/22

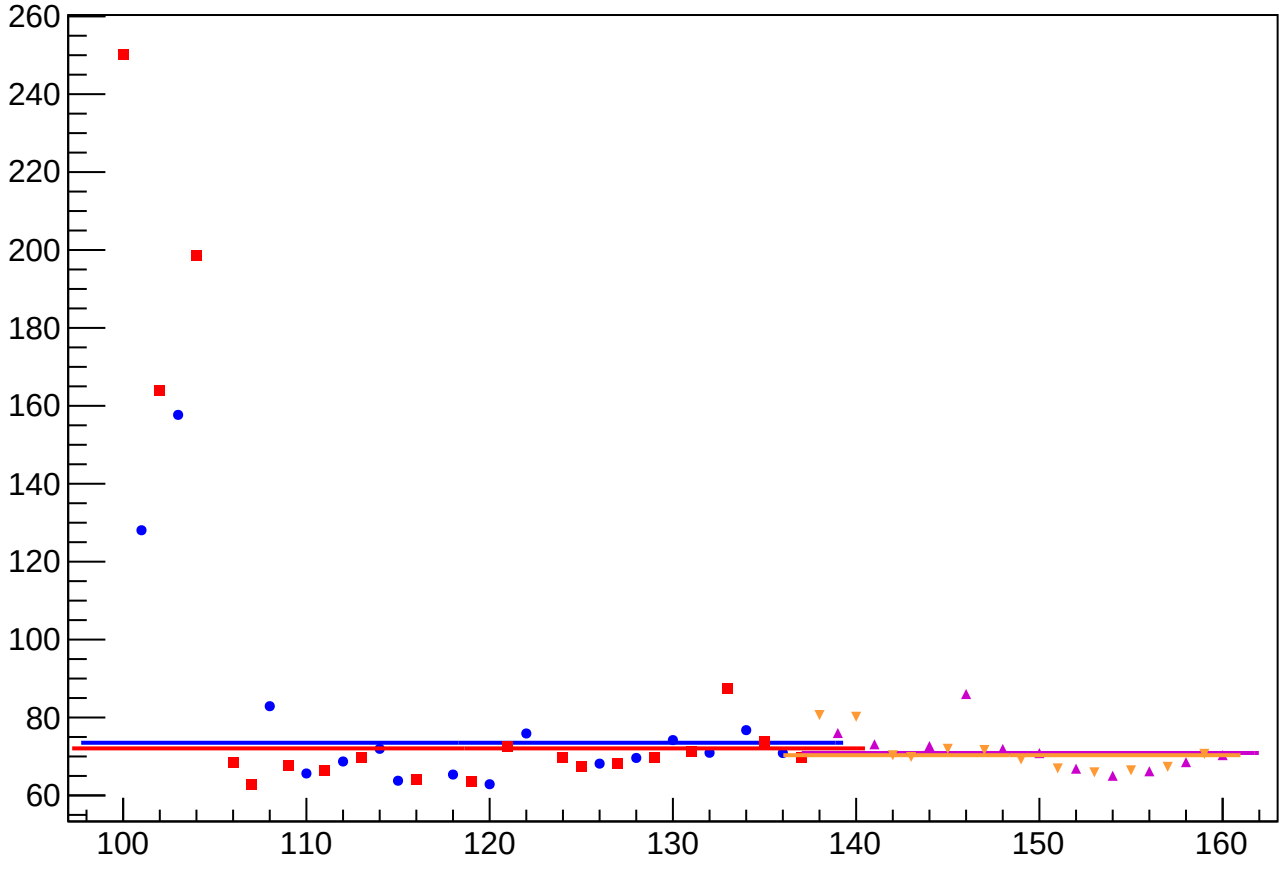
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 38.494+/-17.804 χ^2/NDF:48.8/26

Out: 51.230+/-17.551 χ^2/NDF:72.3/30

All: 44.953+/-12.499 χ^2/NDF: 121.3/57

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: 70.896+/-0.016 χ^2/NDF:97040.8/10

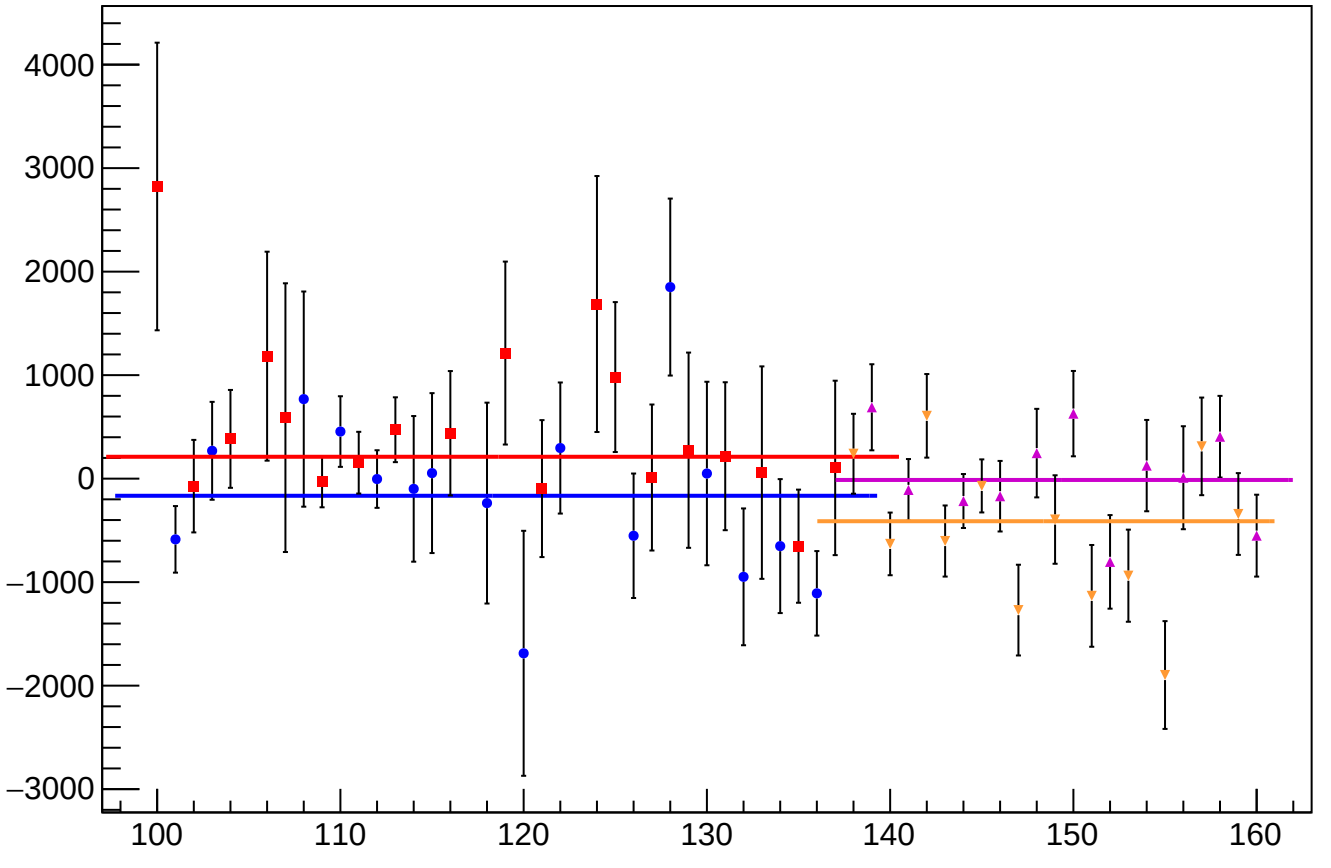
Left: 70.609+/-0.011 χ^2/NDF: 170716.3/22

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.950+/-0.013 χ^2/NDF:764322.9/26

Out: 71.043+/-0.012 χ^2/NDF:1036354.9/30

All: 71.490+/-0.009 χ^2/NDF: 1803309.5/57



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: -12.729+/-112.811 χ^2/NDF:12.7/10

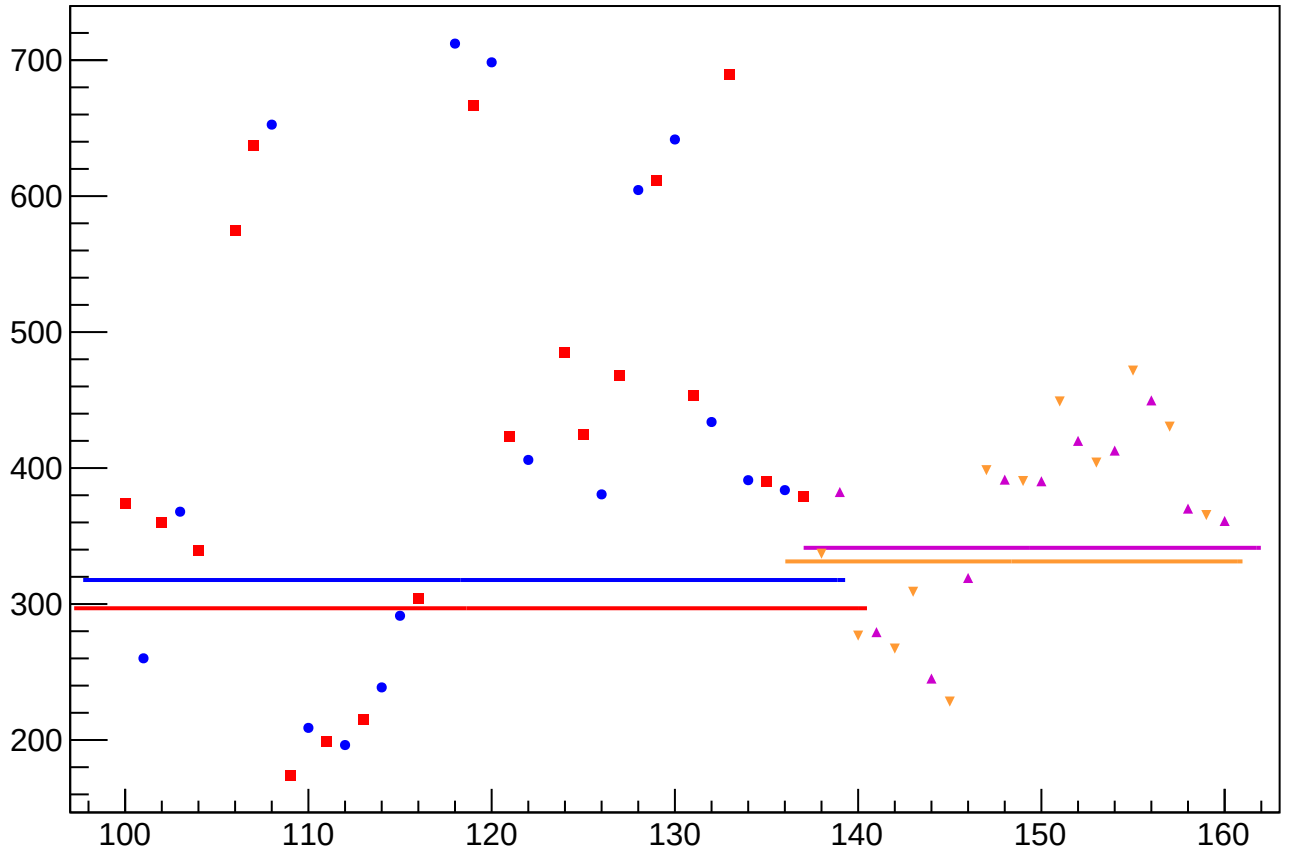
Left: -216.213+/-78.937 χ^2/NDF: 48.8/22

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -79.260+/-84.758 χ^2/NDF:36.1/26

Out: -125.992+/-81.322 χ^2/NDF:57.9/30

All: -103.593+/-58.681 χ^2/NDF: 94.2/57



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: 341.337+/-0.080 χ^2/NDF:665817.0/10

Left: 336.231+/-0.056 χ^2/NDF: 1622992.0/22

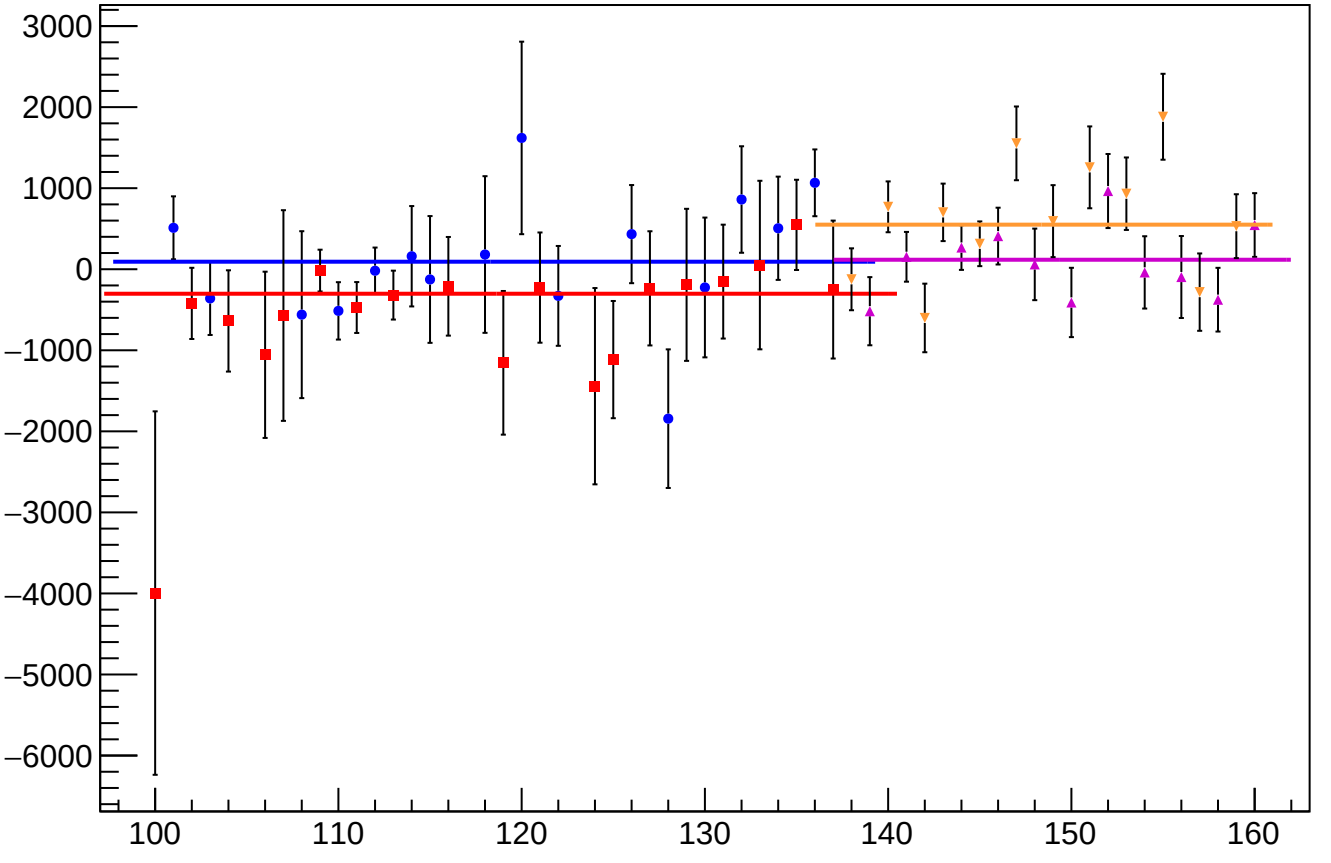
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 331.026+/-0.060 χ^2/NDF:2840403.5/26

Out: 315.545+/-0.058 χ^2/NDF:3579283.5/30

All: 322.965+/-0.041 χ^2/NDF: 6454428.0/57

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: 117.067+/-115.603 χ^2/NDF:11.3/10

Left: 336.550+/-81.177 χ^2/NDF: 47.3/22

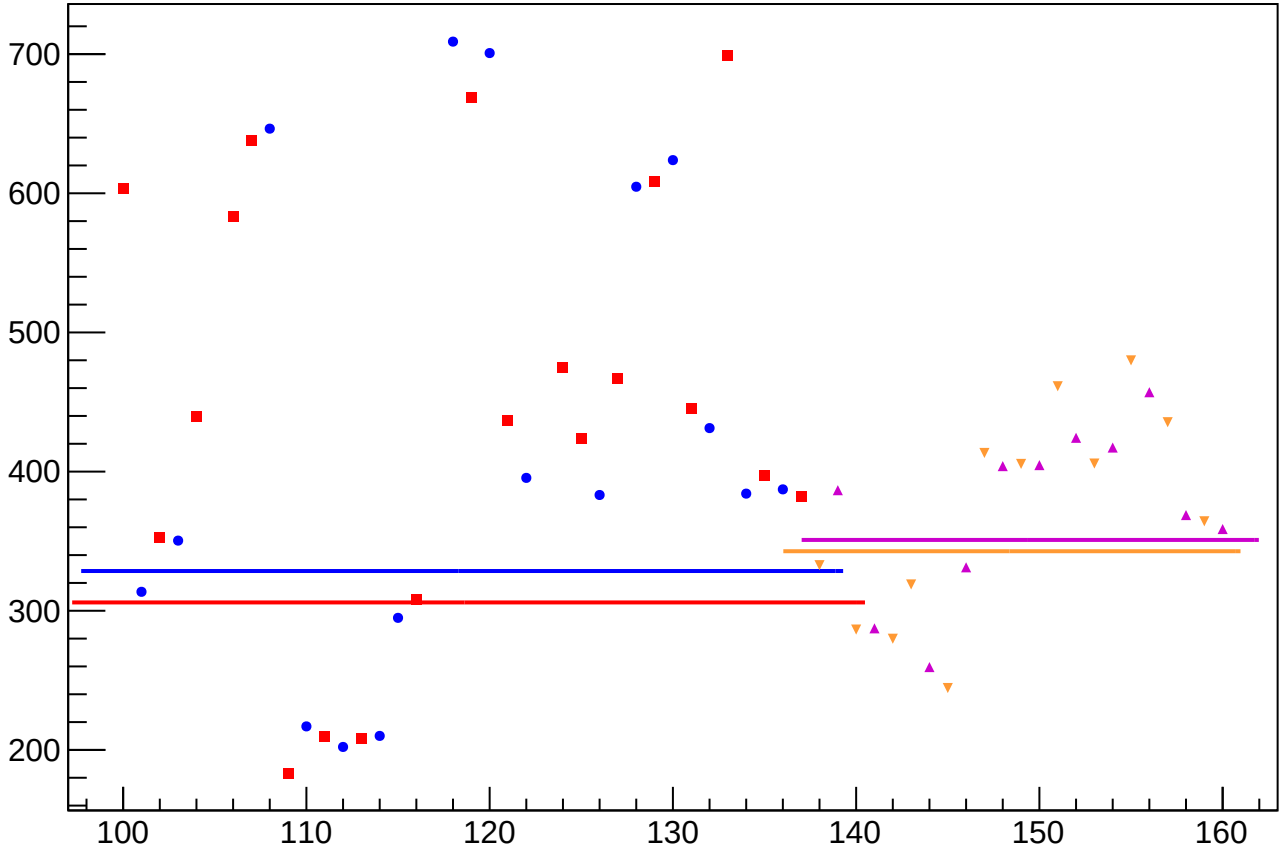
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 106.528+/-86.946 χ^2/NDF:32.2/26

Out: 159.291+/-83.904 χ^2/NDF:65.3/30

All: 133.849+/-60.376 χ^2/NDF: 97.6/57

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: 350.902+/-0.082 χ^2/NDF:575276.7/10

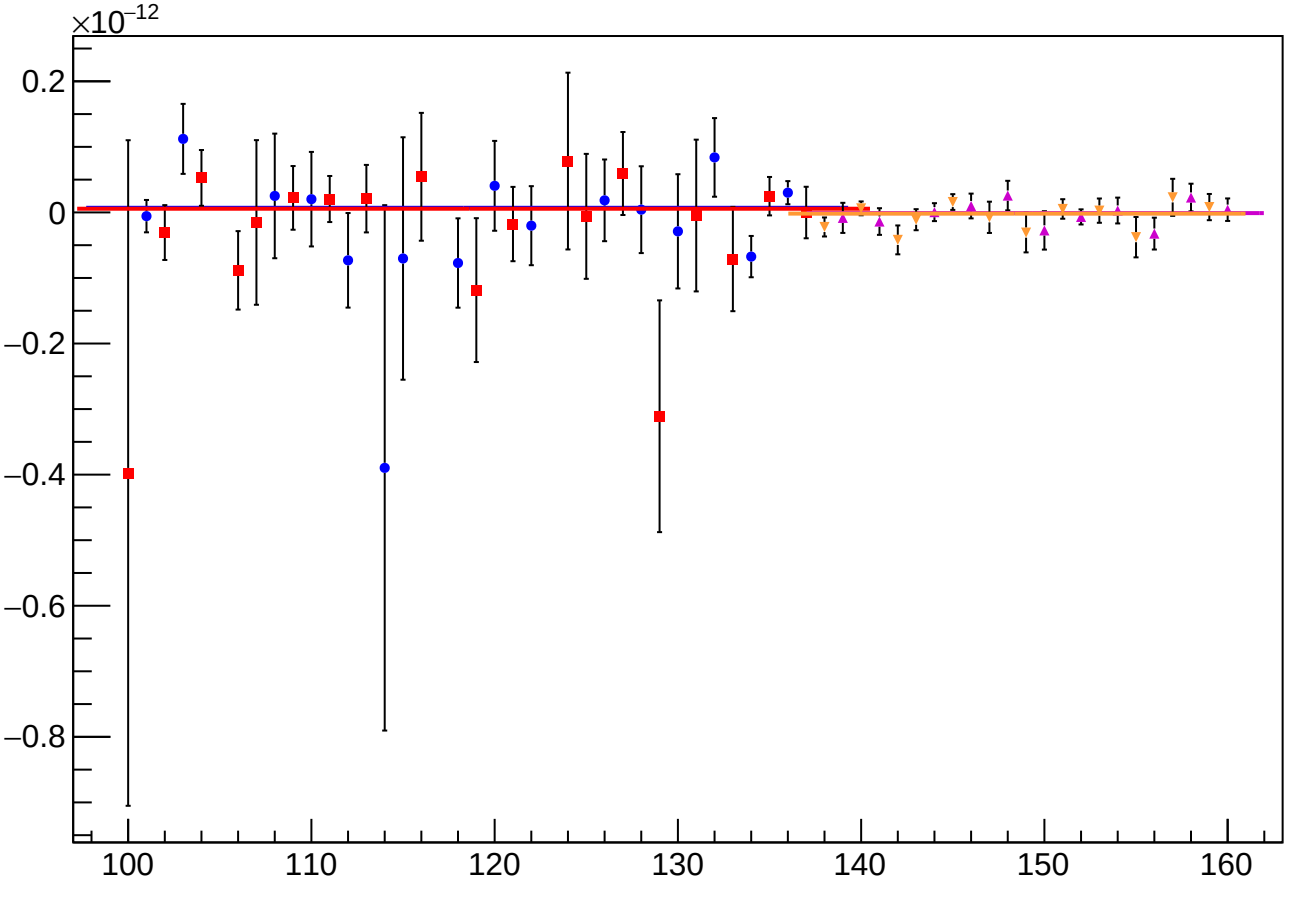
Left: 346.786+/-0.057 χ^2/NDF: 1406634.4/22

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 341.201+/-0.061 χ^2/NDF:2566577.0/26

Out: 325.913+/-0.059 χ^2/NDF:3449302.1/30

All: 333.285+/-0.043 χ^2/NDF: 6047897.0/57



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:6.4/10

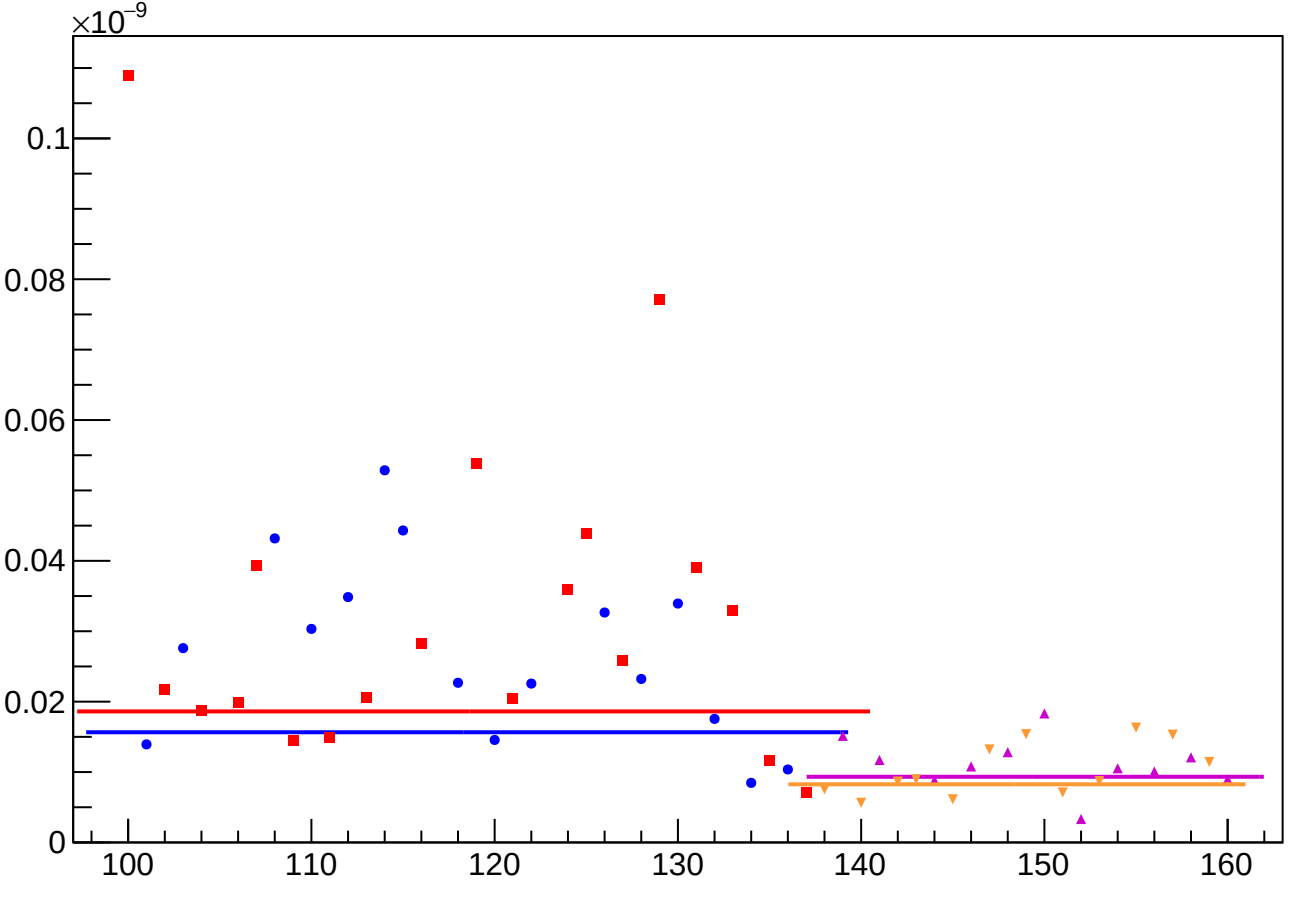
Left: -0.000+/-0.000 χ^2/NDF: 18.4/22

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.5/26

Out: -0.000+/-0.000 χ^2/NDF:25.1/30

All: -0.000+/-0.000 χ^2/NDF: 49.7/57



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:991906.7/10

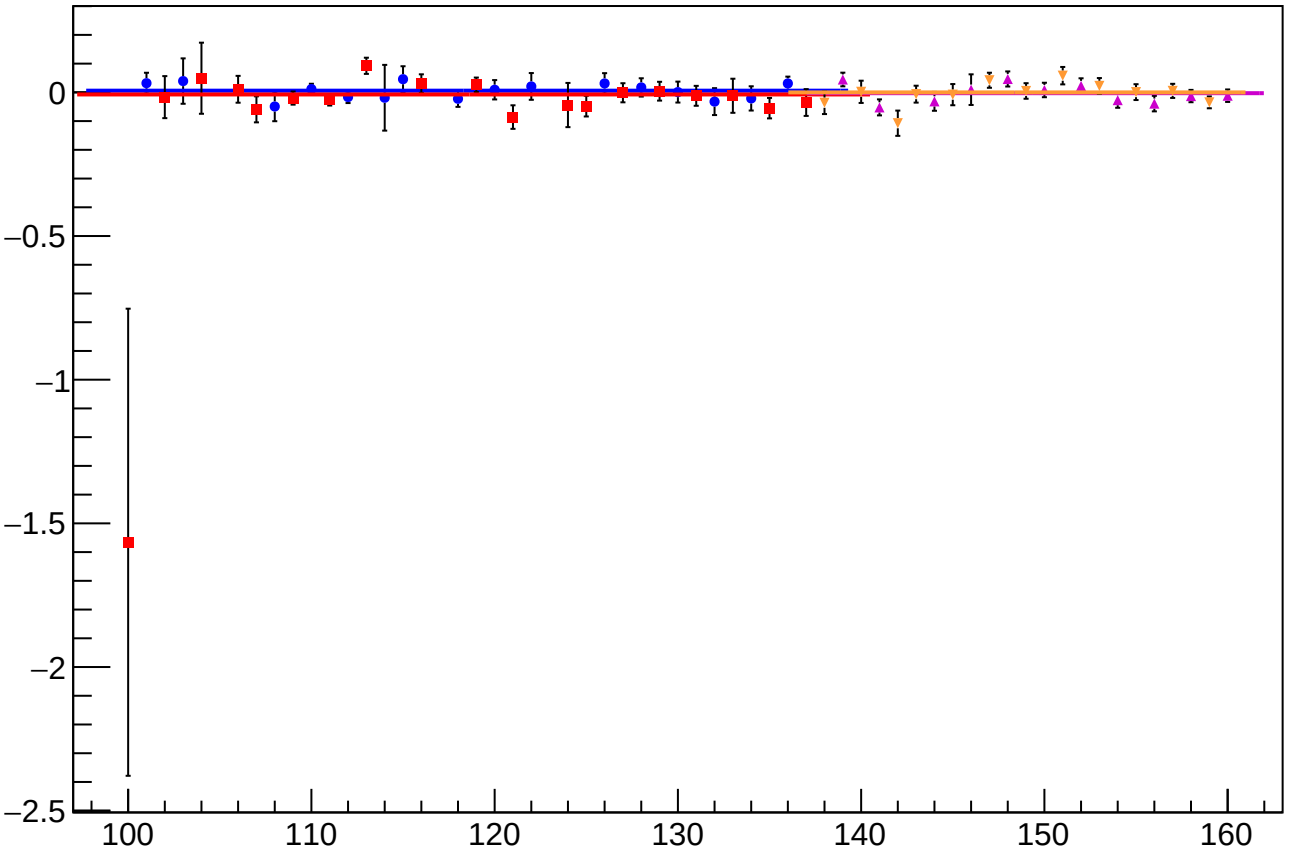
Left: 0.000+/-0.000 χ^2/NDF: 1752214.0/22

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2688993.4/26

Out: 0.000+/-0.000 χ^2/NDF:3082901.7/30

All: 0.000+/-0.000 χ^2/NDF: 5818742.1/57



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: -0.003+/-0.008 χ^2/NDF:15.6/10

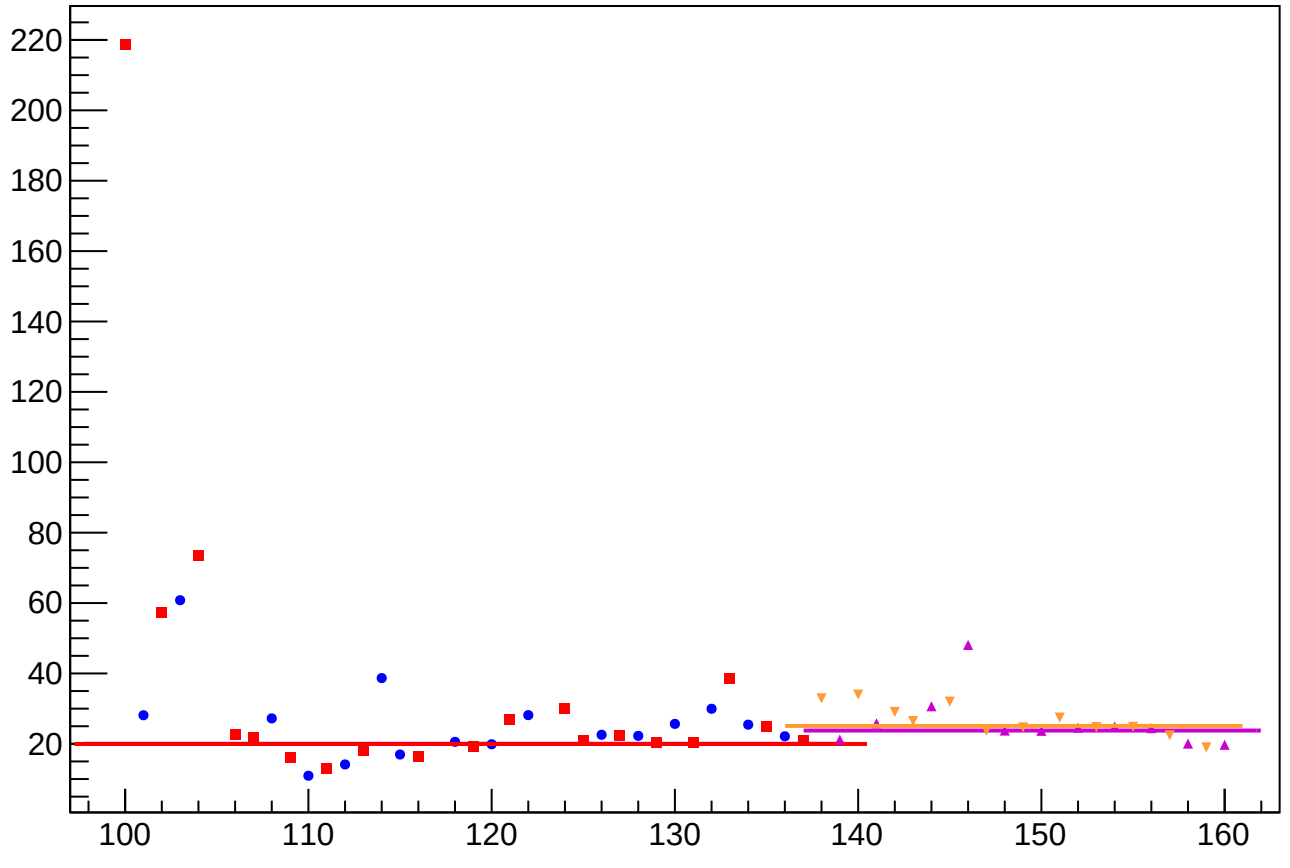
Left: -0.002+/-0.006 χ^2/NDF: 32.4/22

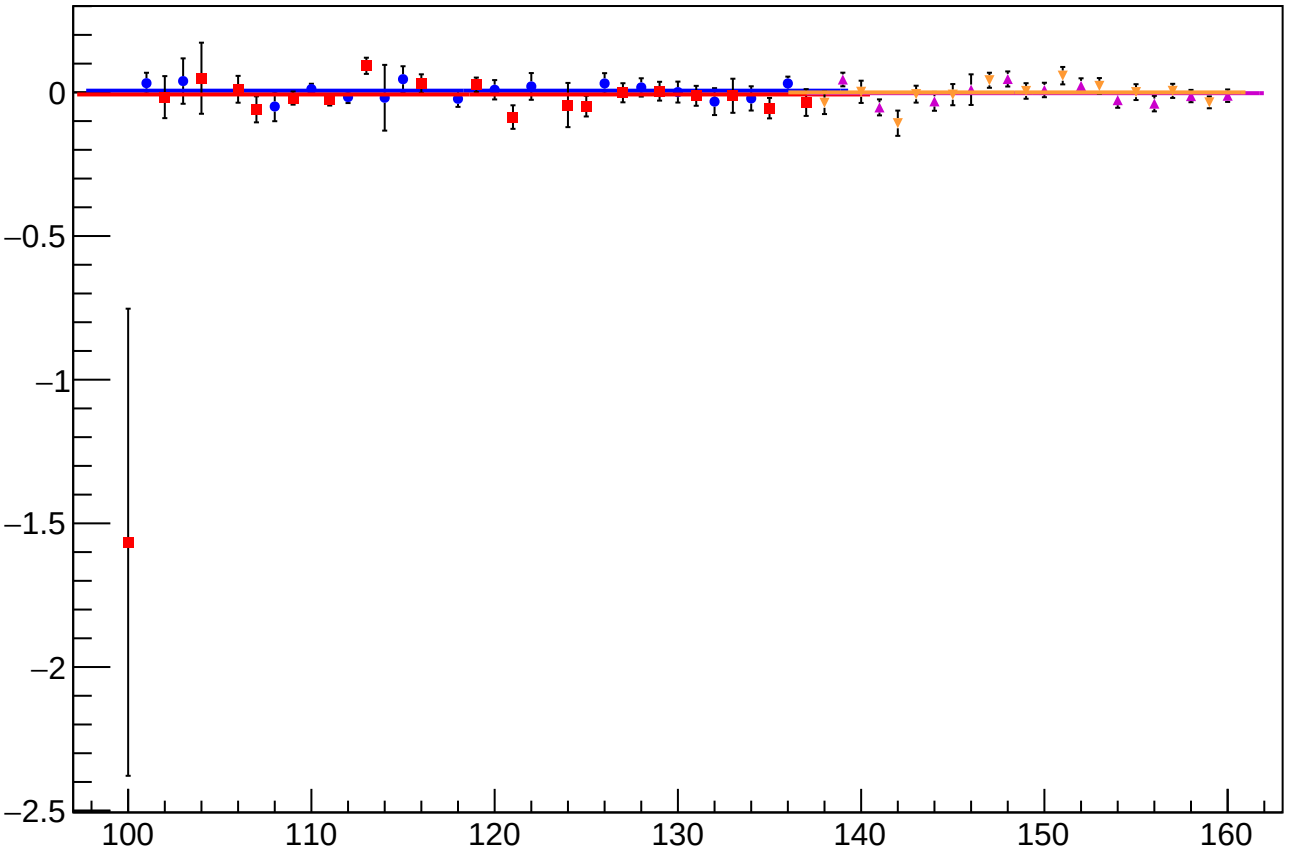
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.4/57


asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 20.000+/-0.006 χ²/NDF: 1641371.9/15
Left Out: 25.095+/-0.006 χ²/NDF:493320.1/11
Right Out: 19.963+/-0.006 χ²/NDF: 1716895.2/18
Left In: 23.779+/-0.006 χ²/NDF:674735.8/10
Left: 24.403+/-0.004 χ²/NDF: 1194115.4/22
Right: 19.981+/-0.004 χ²/NDF: 3358287.6/34
In: 21.942+/-0.004 χ²/NDF:2536154.3/26
Out: 22.446+/-0.004 χ²/NDF:2599150.0/30
All: 22.189+/-0.003 χ²/NDF: 5142949.0/57



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: -0.003+/-0.008 χ^2/NDF:15.6/10

Left: -0.002+/-0.006 χ^2/NDF: 32.4/22

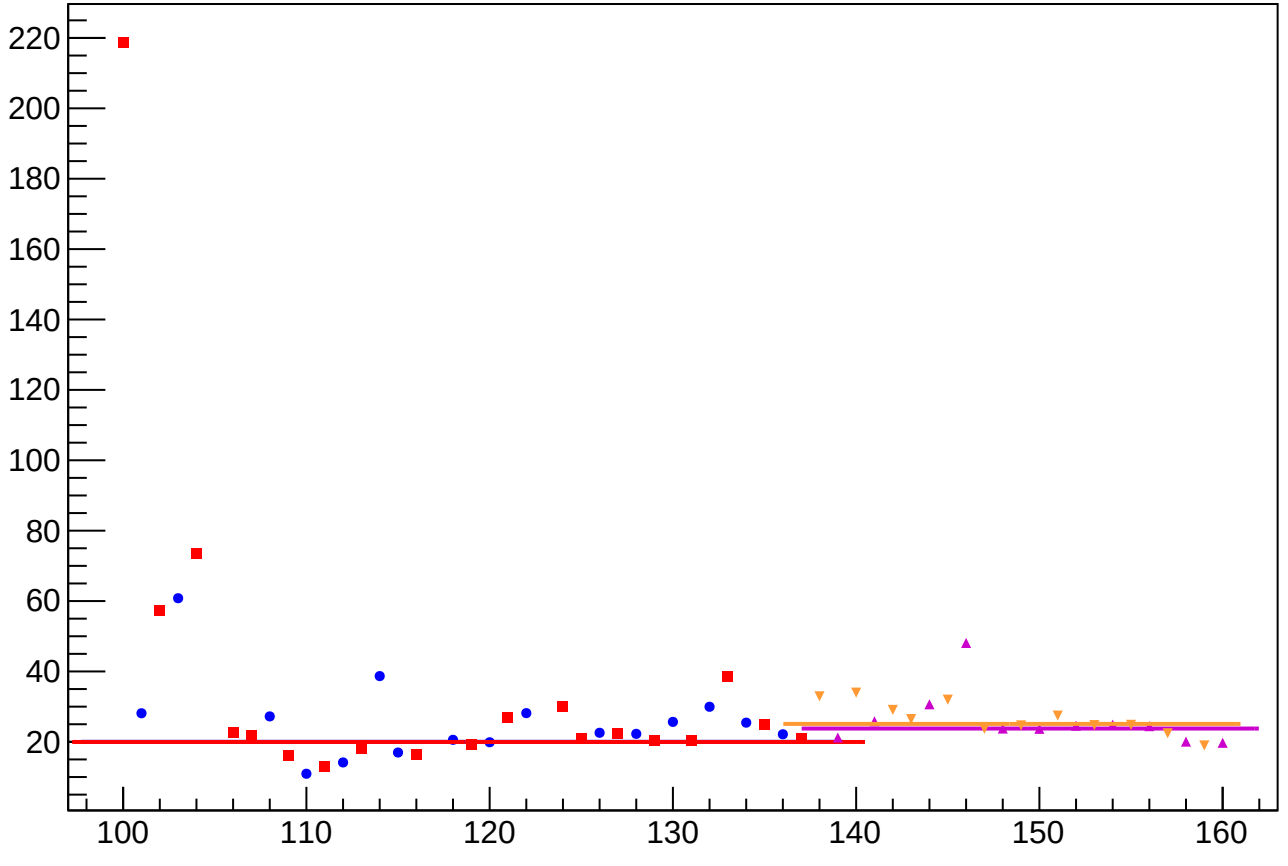
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.4/57

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: 23.779+/-0.006 χ^2/NDF:674735.8/10

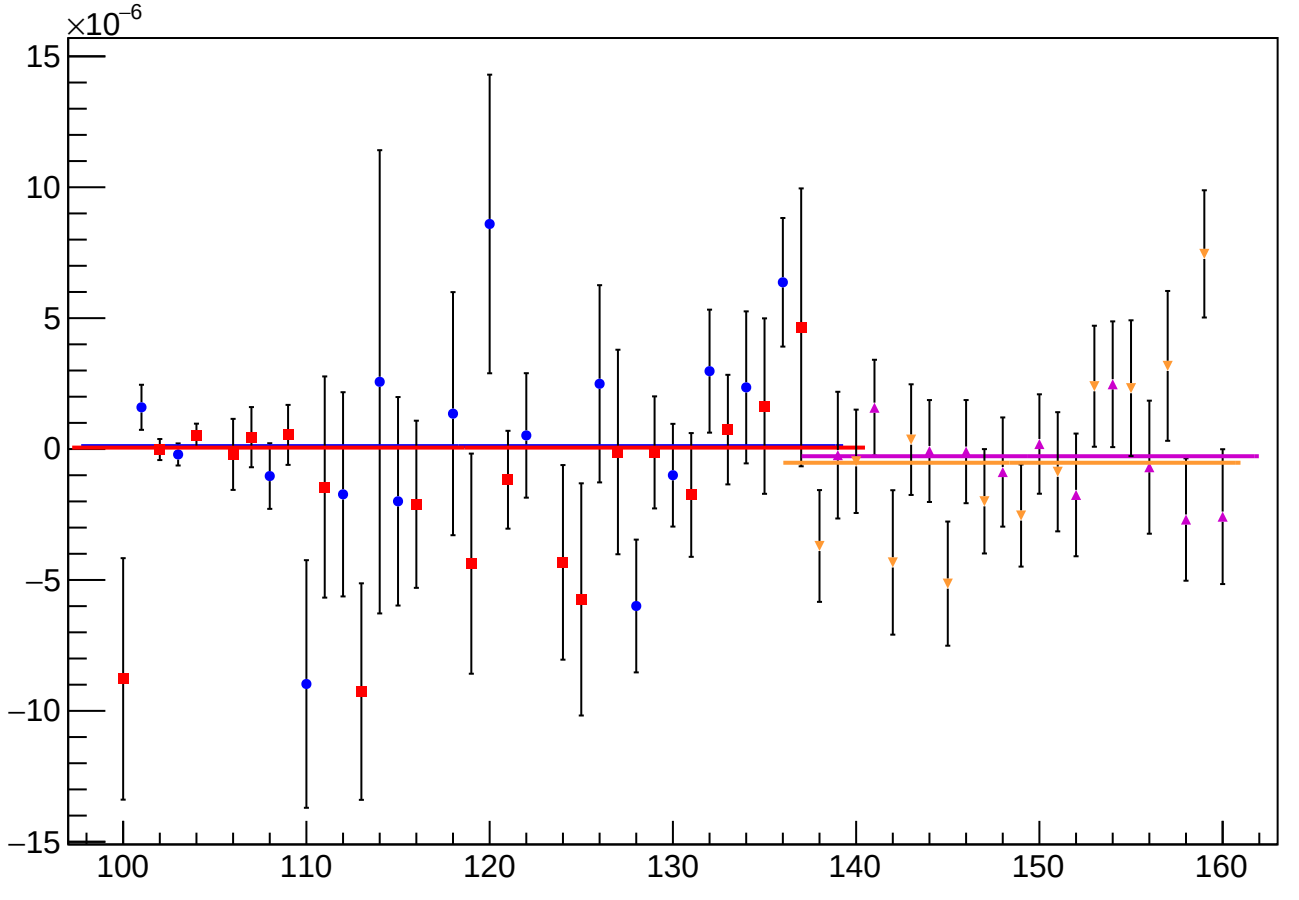
Left: 24.403+/-0.004 χ^2/NDF: 1194115.4/22

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.942+/-0.004 χ^2/NDF:2536154.3/26

Out: 22.446+/-0.004 χ^2/NDF:2599150.0/30

All: 22.189+/-0.003 χ^2/NDF: 5142949.0/57



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:4.8/10

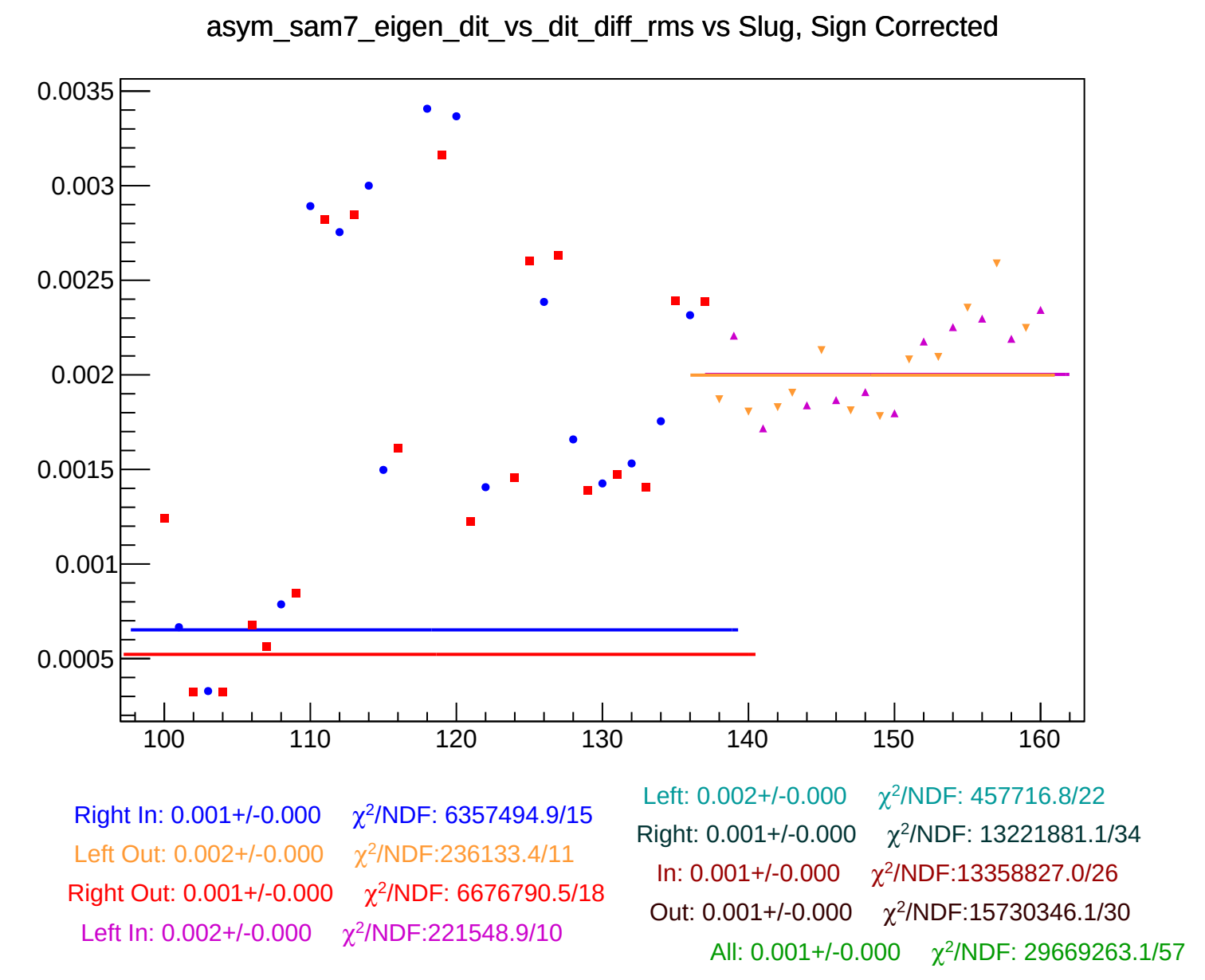
Left: -0.000+/-0.000 χ^2/NDF: 29.8/22

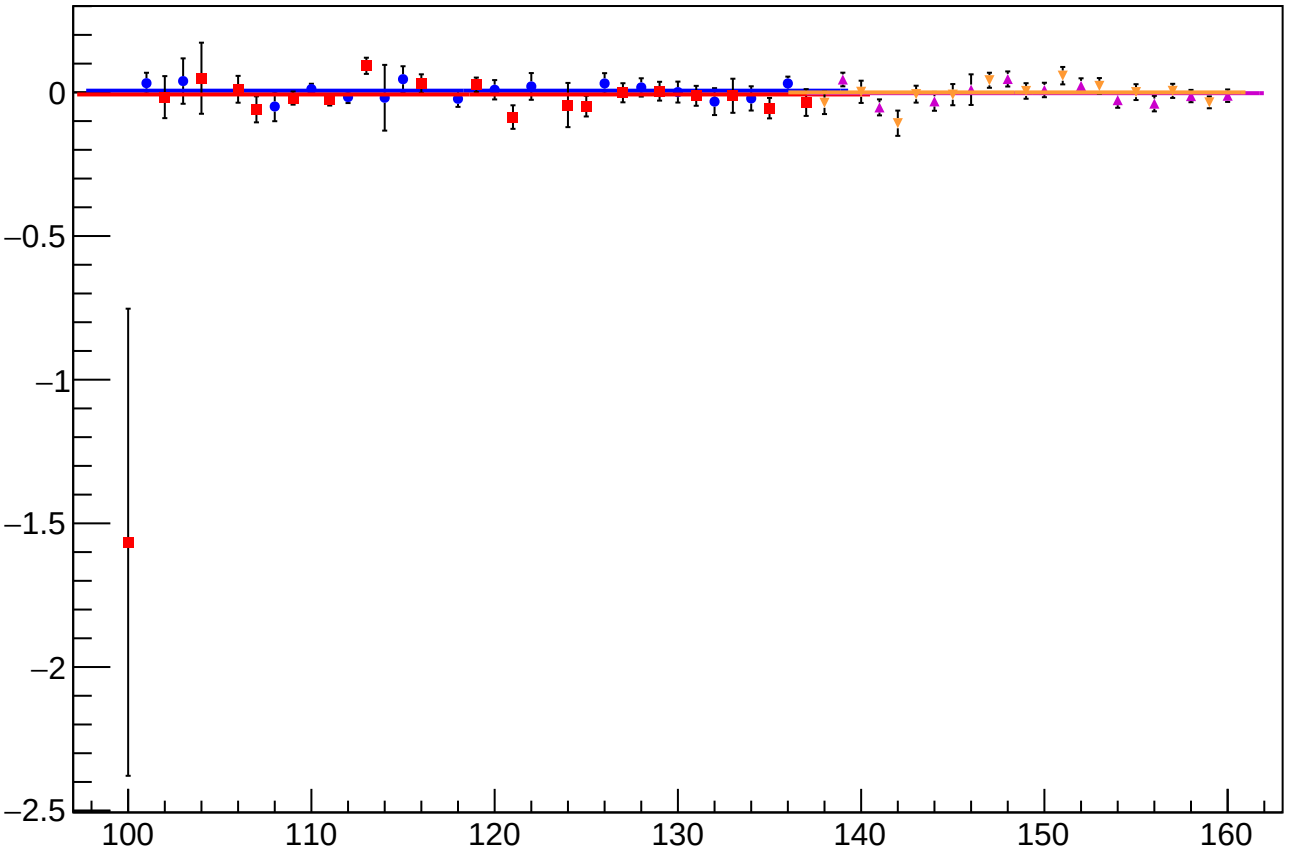
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.1/26

Out: -0.000+/-0.000 χ^2/NDF:42.8/30

All: -0.000+/-0.000 χ^2/NDF: 73.9/57


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:236133.4/11
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:221548.9/10
Left: 0.002+/-0.000 χ²/NDF: 457716.8/22
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:13358827.0/26
Out: 0.001+/-0.000 χ²/NDF:15730346.1/30
All: 0.001+/-0.000 χ²/NDF: 29669263.1/57



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: -0.003+/-0.008 χ^2/NDF:15.6/10

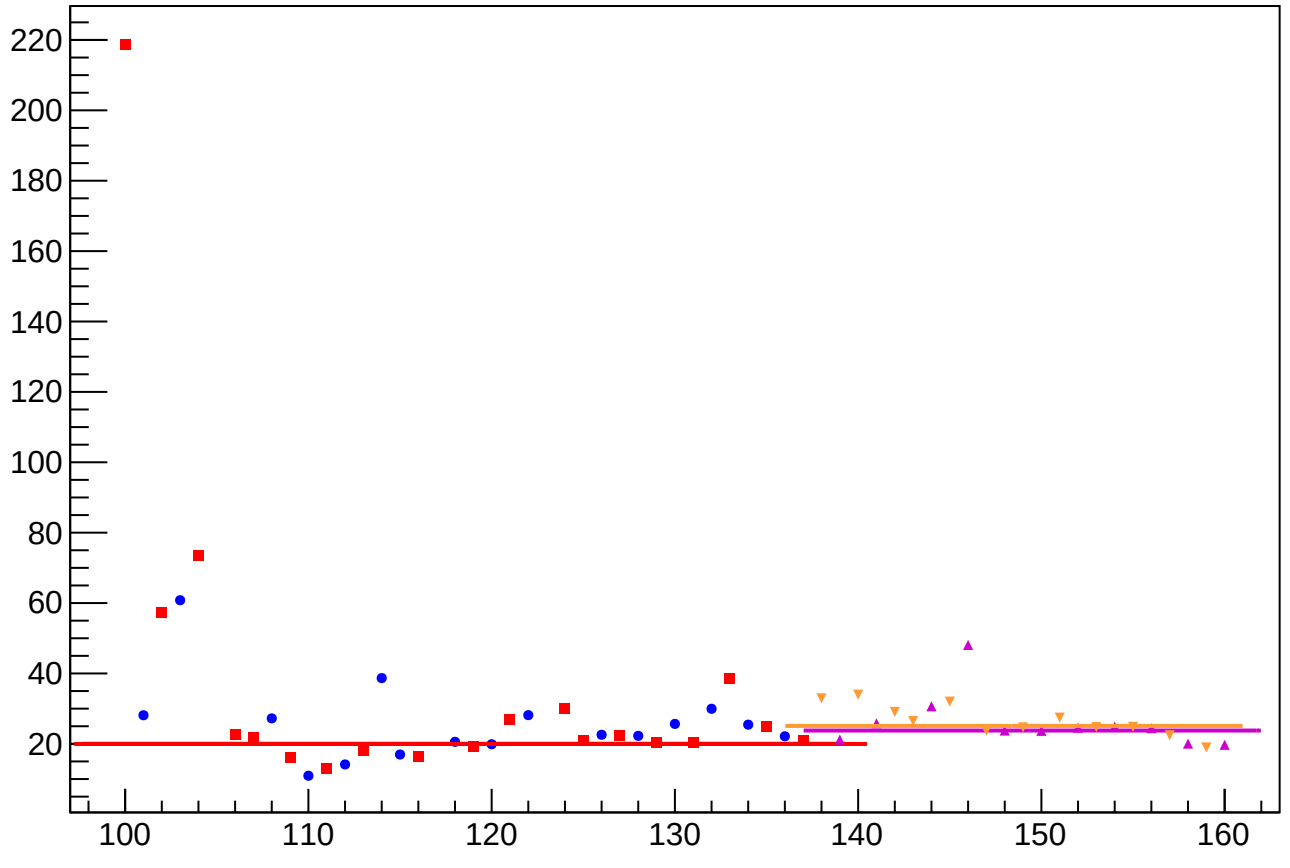
Left: -0.002+/-0.006 χ^2/NDF: 32.4/22

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.4/57



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: 23.779+/-0.006 χ^2/NDF:674769.4/10

Left: 24.403+/-0.004 χ^2/NDF: 1194189.5/22

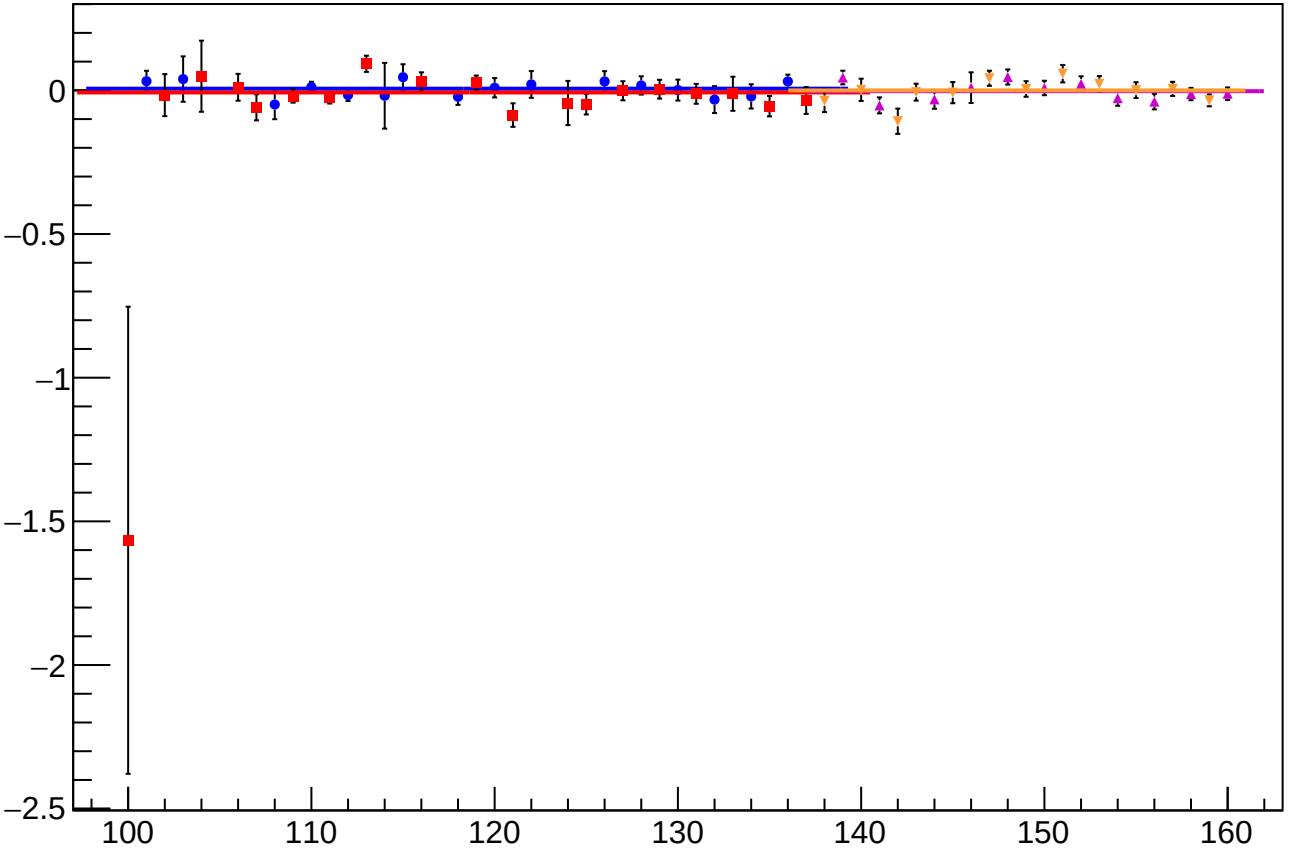
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.943+/-0.004 χ^2/NDF:2535943.9/26

Out: 22.446+/-0.004 χ^2/NDF:2599099.5/30

All: 22.189+/-0.003 χ^2/NDF: 5142683.7/57

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.003+/-0.008 χ^2/NDF:15.6/10

Left: -0.002+/-0.006 χ^2/NDF: 32.4/22

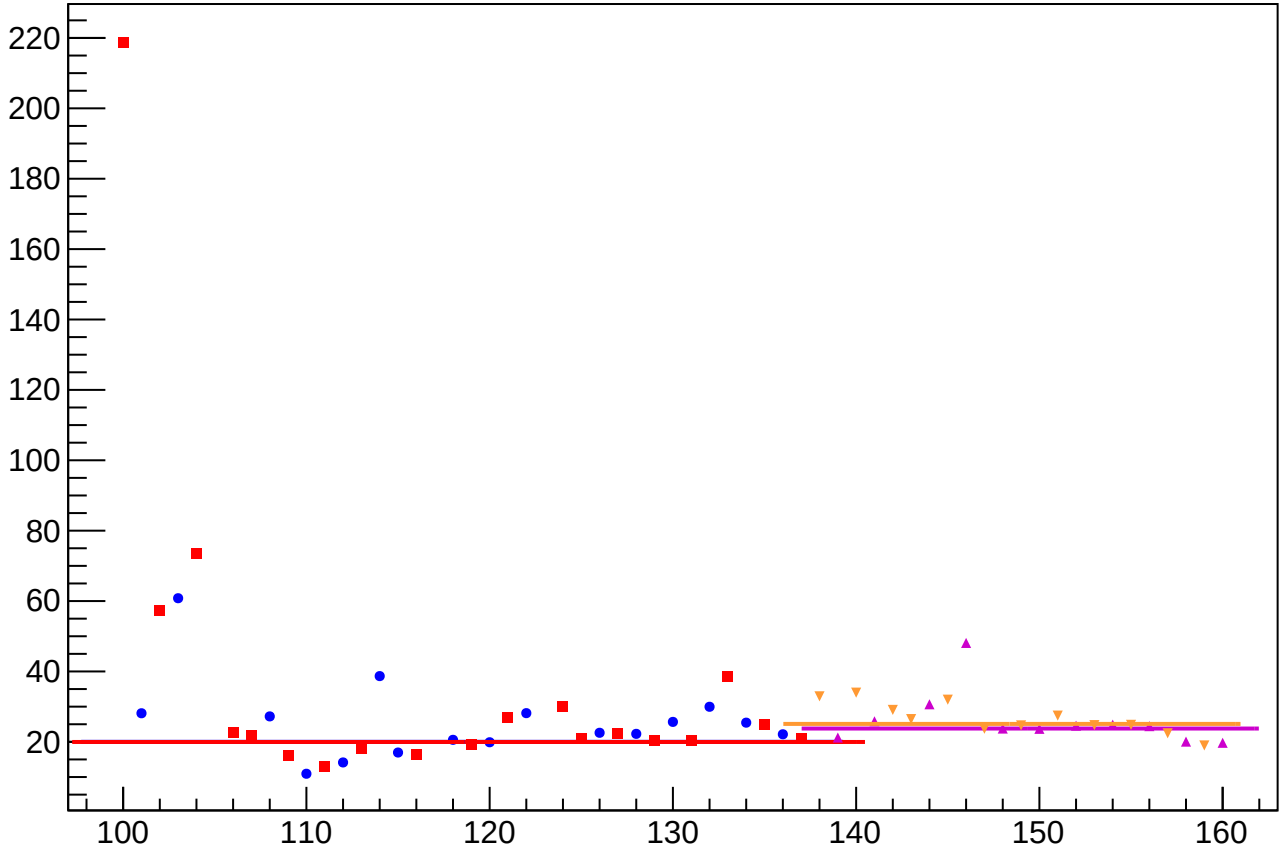
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.004+/-0.006 χ^2/NDF:47.0/30

All: -0.001+/-0.004 χ^2/NDF: 71.4/57

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: 23.779+/-0.006 χ^2/NDF:674769.4/10

Left: 24.403+/-0.004 χ^2/NDF: 1194189.5/22

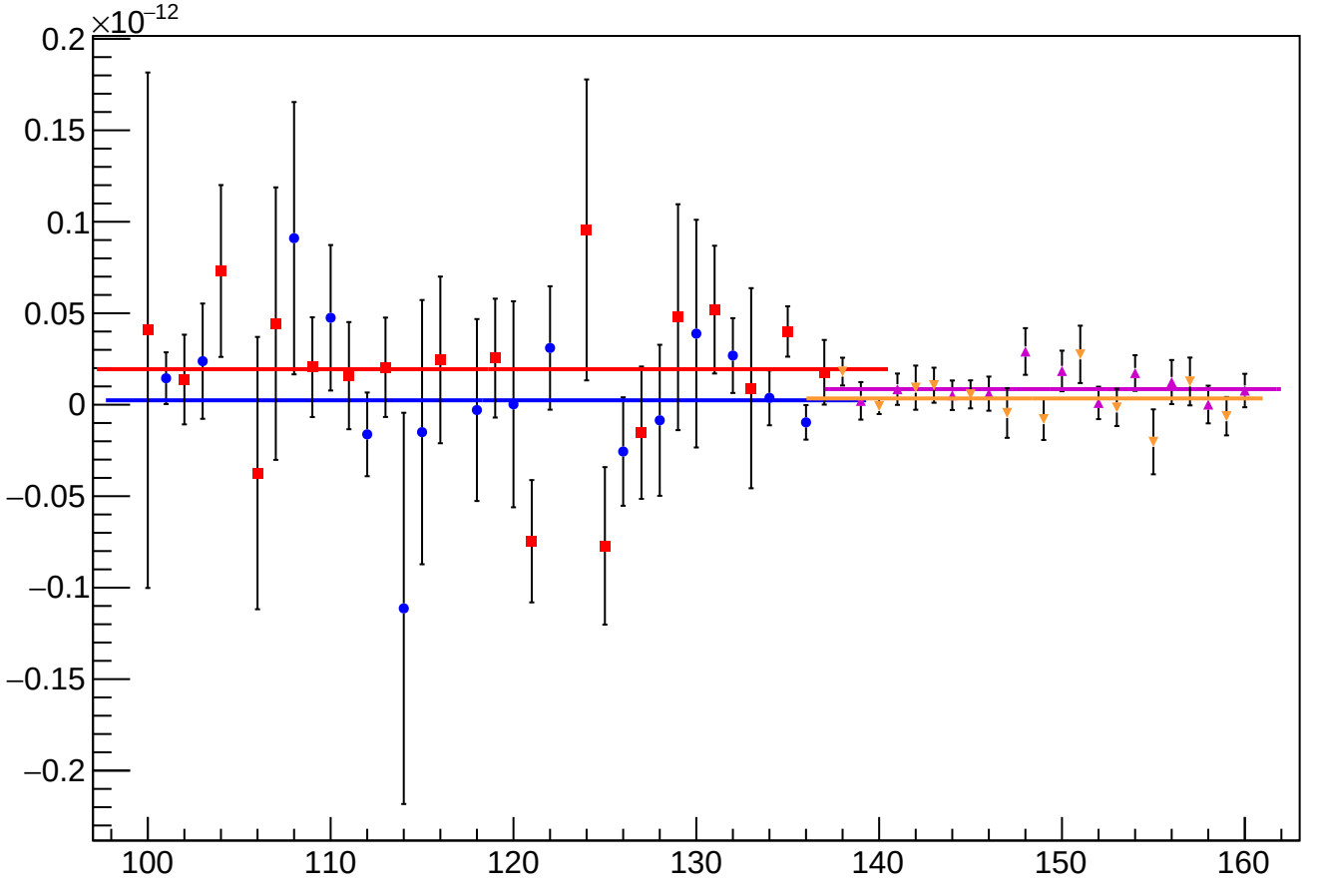
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.943+/-0.004 χ^2/NDF:2535943.9/26

Out: 22.446+/-0.004 χ^2/NDF:2599099.5/30

All: 22.189+/-0.003 χ^2/NDF: 5142683.7/57

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:6.4/10

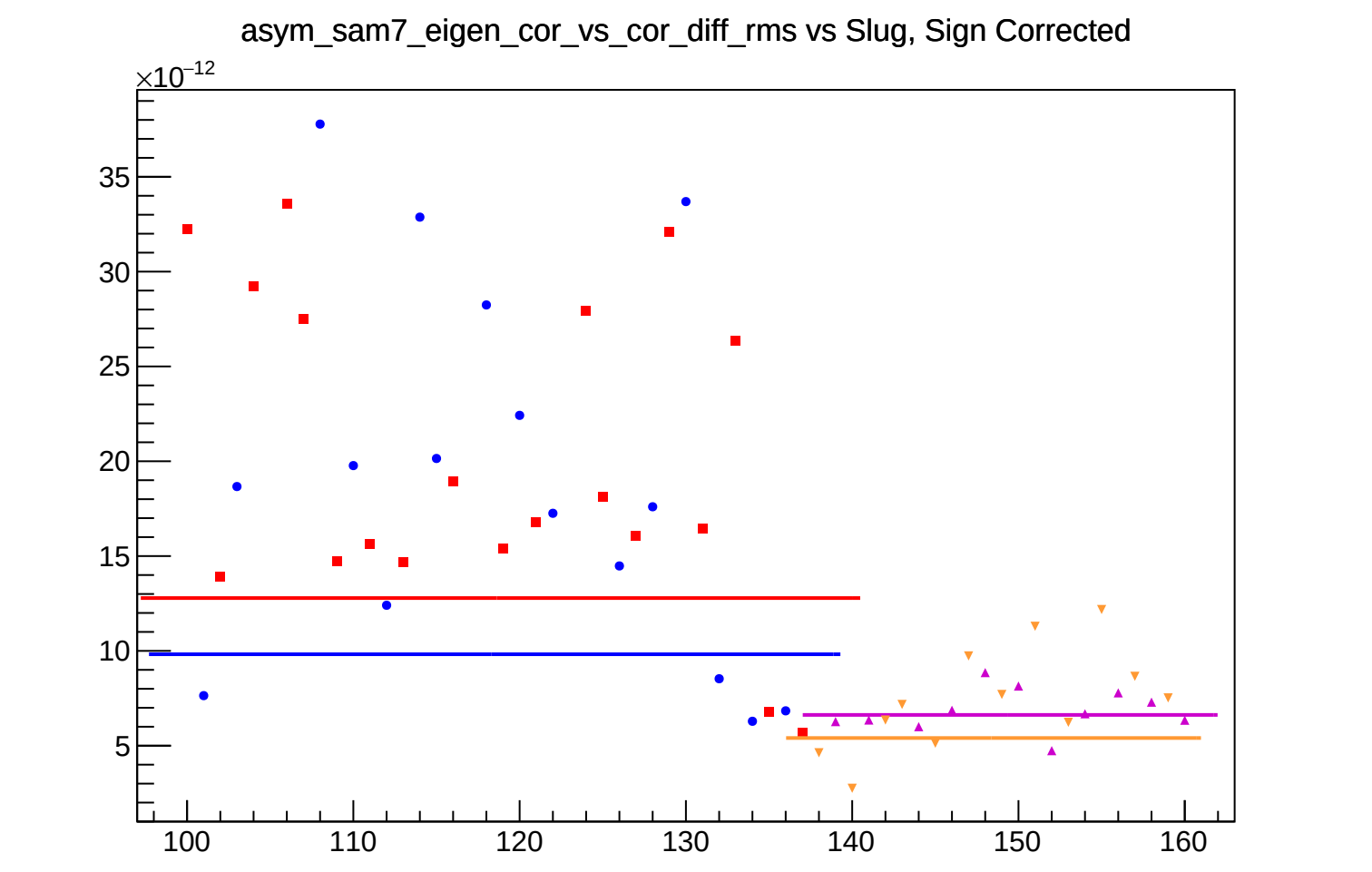
Left: 0.000+/-0.000 χ^2/NDF: 20.7/22

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:18.1/26

Out: 0.000+/-0.000 χ^2/NDF:37.4/30

All: 0.000+/-0.000 χ^2/NDF: 55.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1925626.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:235937.9/10

Left: 0.000+/-0.000 χ^2/NDF: 2355422.3/22

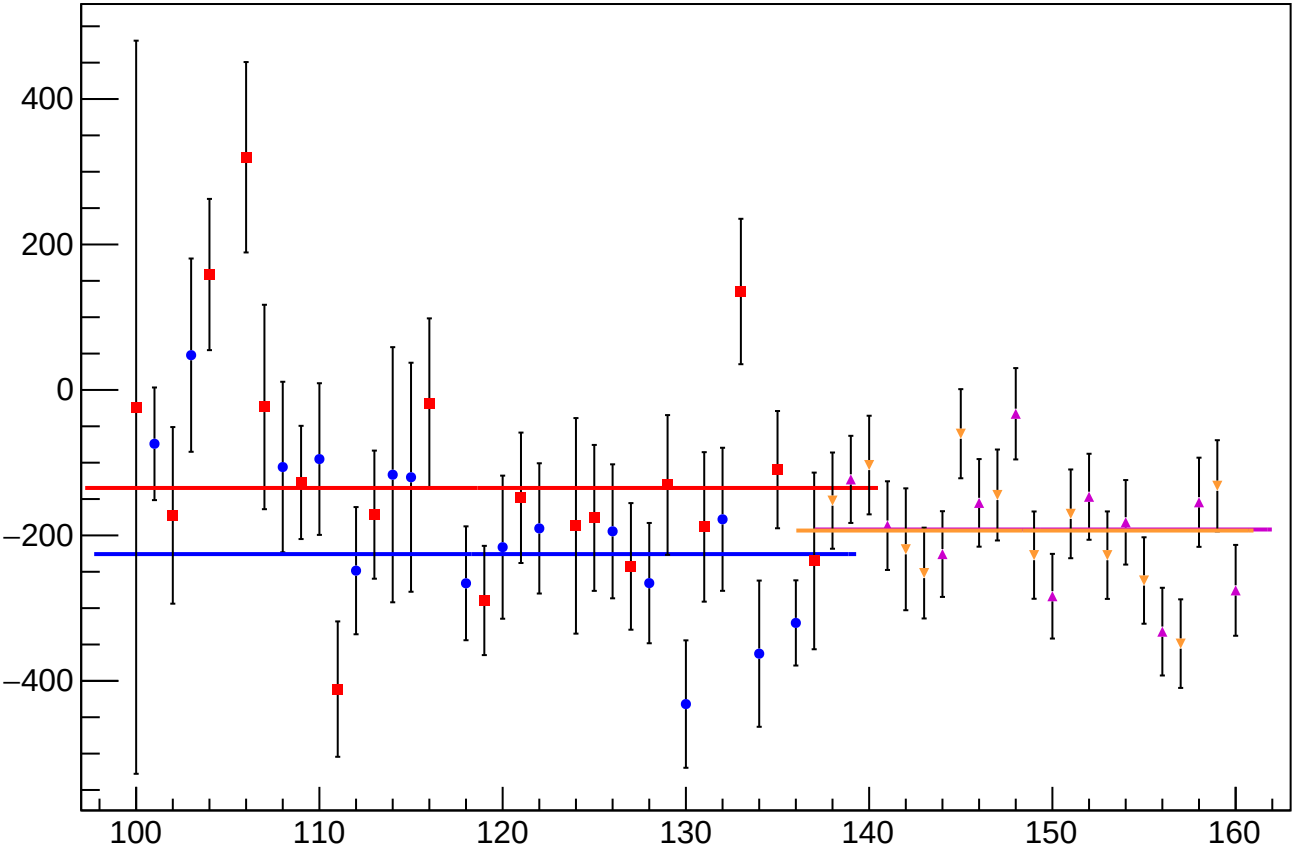
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2708992.0/26

Out: 0.000+/-0.000 χ^2/NDF:5653166.6/30

All: 0.000+/-0.000 χ^2/NDF: 8524601.4/57

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: -191.878+/-18.137 χ^2/NDF:19.1/10

Left: -192.587+/-12.870 χ^2/NDF: 37.2/22

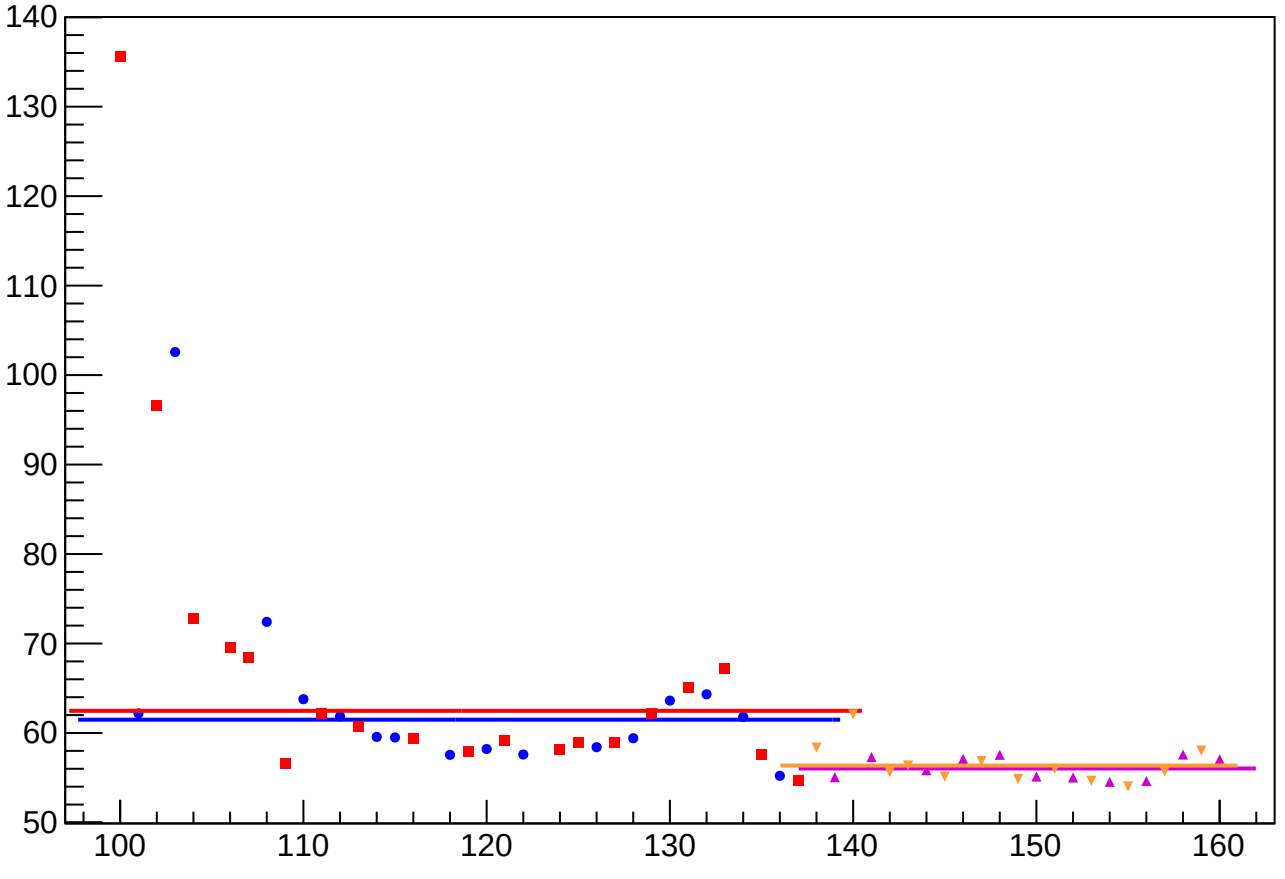
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -204.761+/-14.270 χ^2/NDF:43.1/26

Out: -170.894+/-14.349 χ^2/NDF:67.2/30

All: -187.922+/-10.118 χ^2/NDF: 113.1/57

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: 56.032+/-0.013 χ^2/NDF:8542.7/10

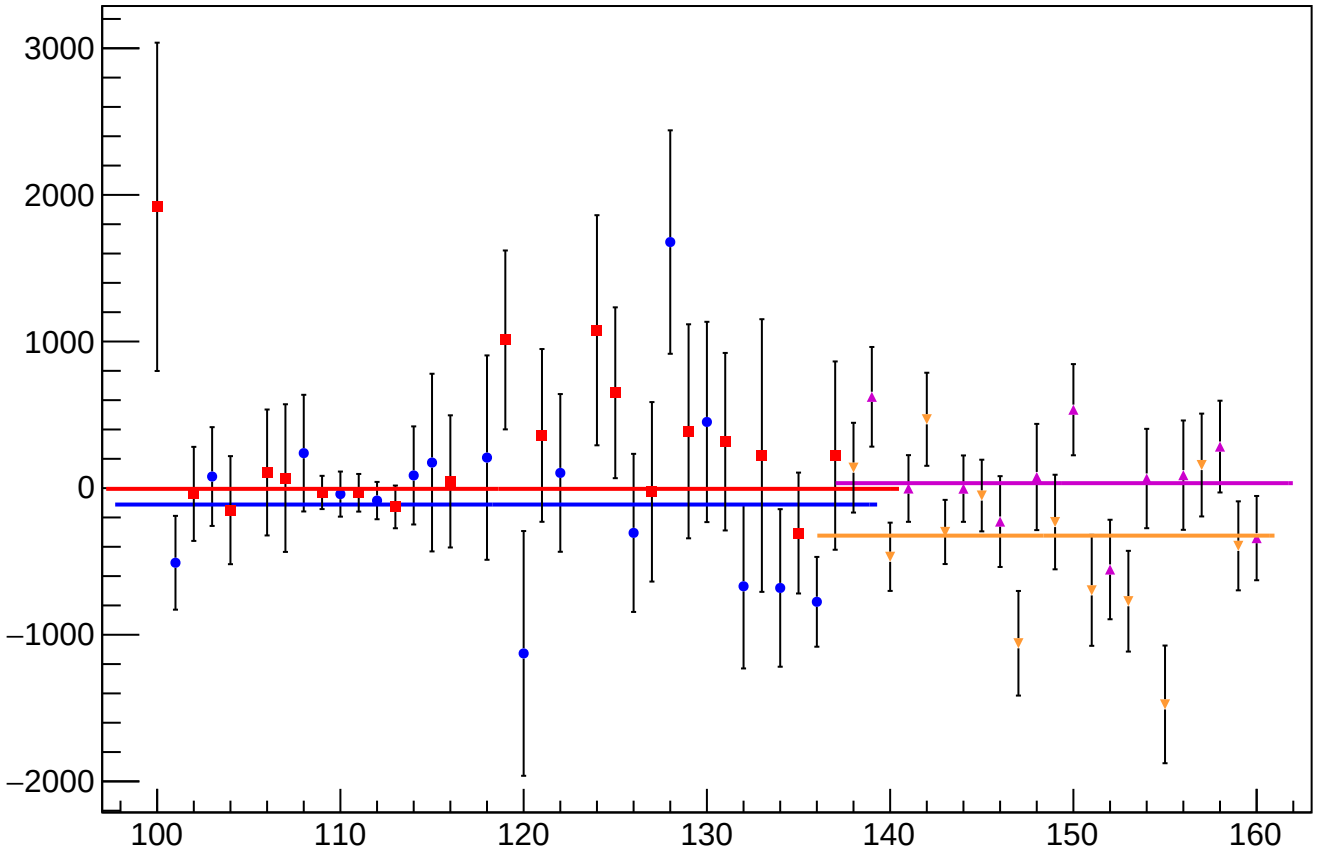
Left: 56.195+/-0.009 χ^2/NDF: 33704.7/22

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.110+/-0.010 χ^2/NDF:328111.4/26

Out: 58.701+/-0.010 χ^2/NDF:391817.8/30

All: 58.404+/-0.007 χ^2/NDF: 721637.5/57



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: 33.931+/-90.244 χ^2/NDF:11.8/10

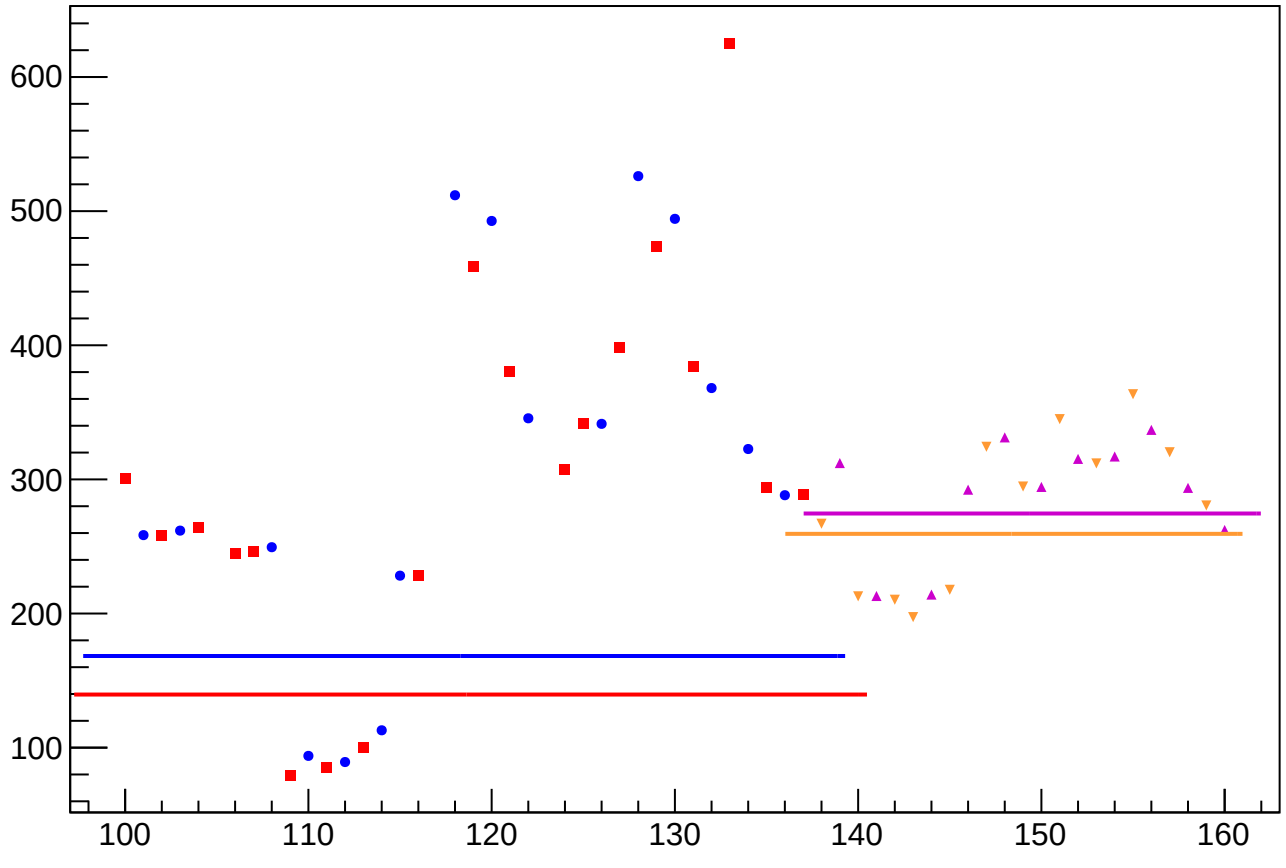
Left: -153.311+/-62.306 χ^2/NDF: 47.3/22

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -51.182+/-58.227 χ^2/NDF:31.7/26

Out: -118.208+/-51.335 χ^2/NDF:47.8/30

All: -88.894+/-38.507 χ^2/NDF: 80.3/57



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: 274.570+/-0.064 χ^2/NDF:504373.8/10

Left: 266.633+/-0.044 χ^2/NDF: 1326024.0/22

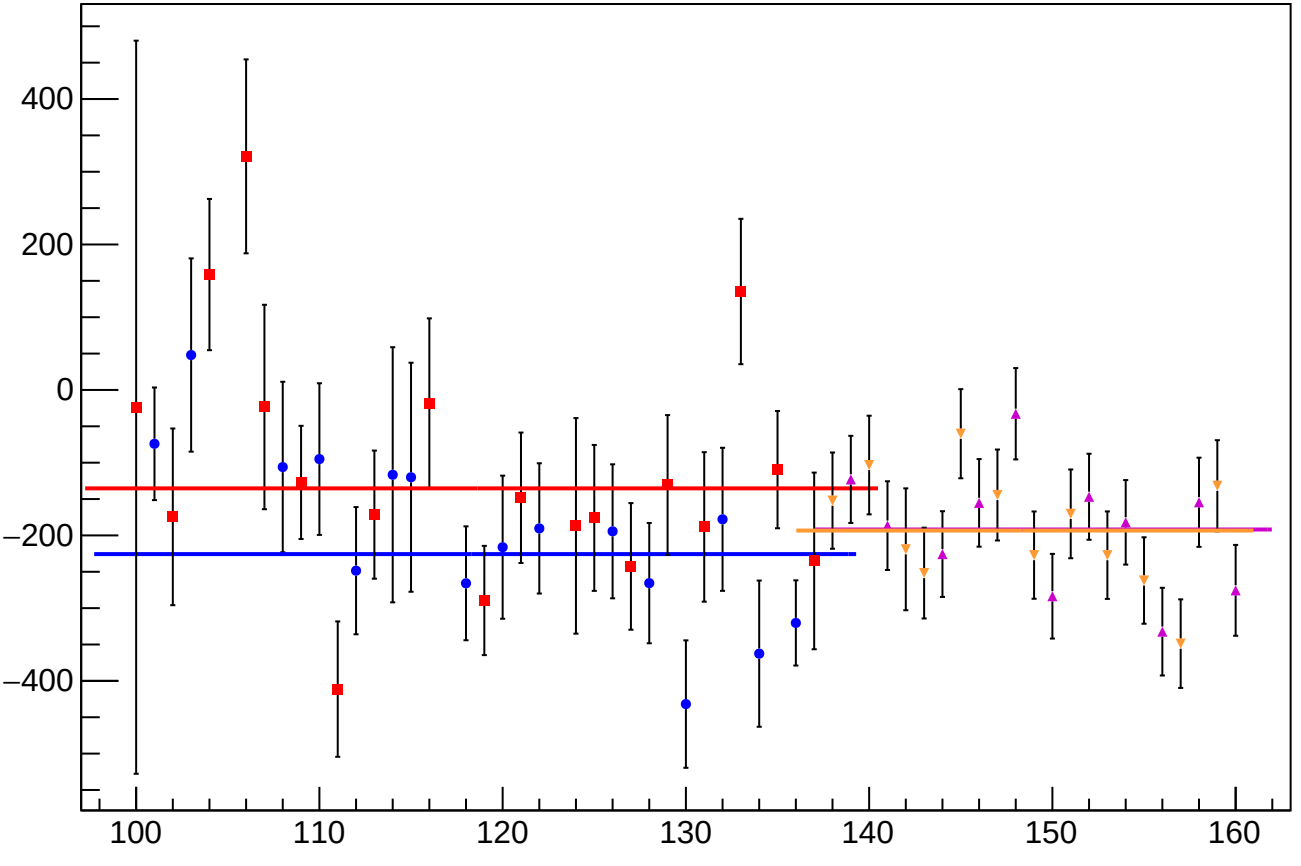
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 212.557+/-0.041 χ^2/NDF:6666371.1/26

Out: 182.156+/-0.036 χ^2/NDF:8441402.4/30

All: 195.452+/-0.027 χ^2/NDF: 15414545.1/57

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: -191.876+/-18.137 χ^2/NDF:19.1/10

Left: -192.586+/-12.870 χ^2/NDF: 37.2/22

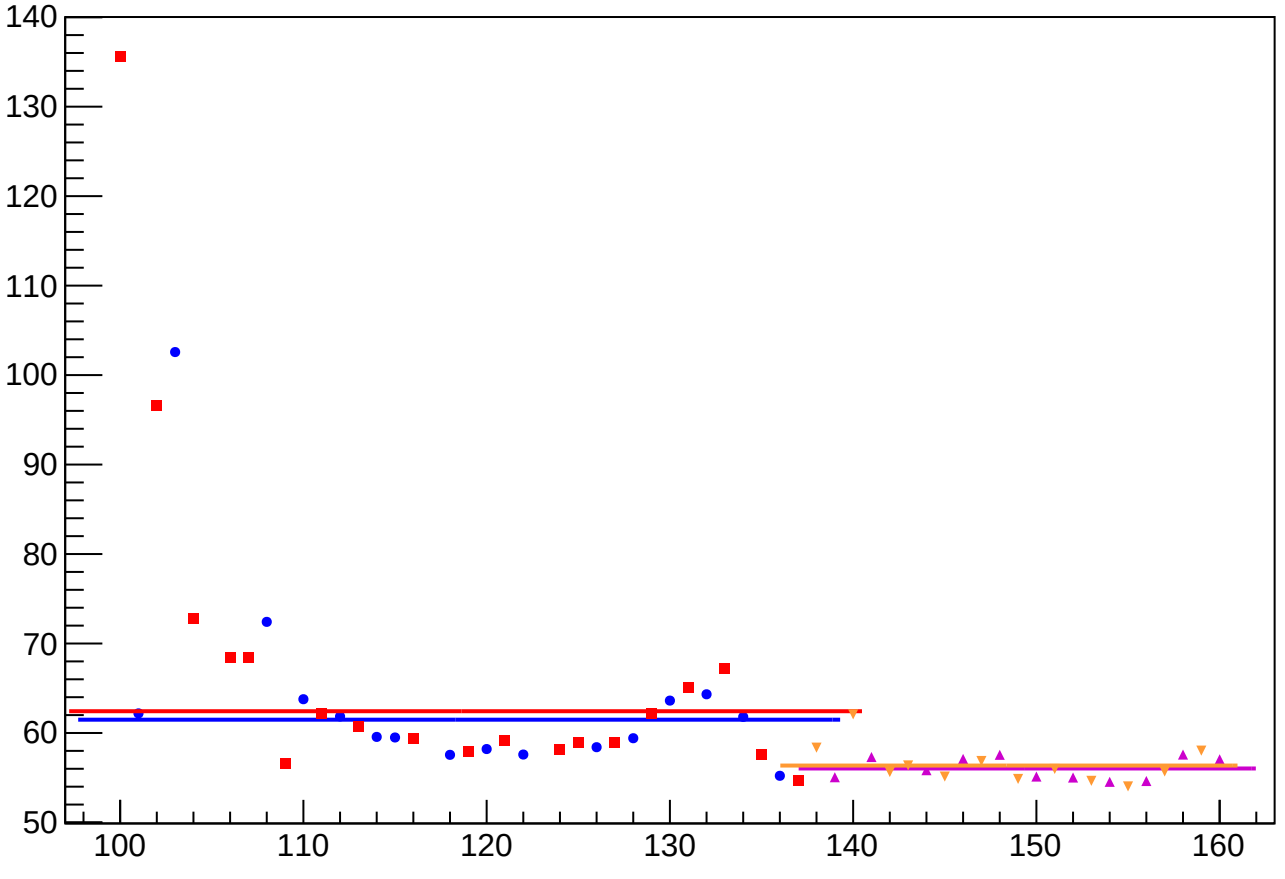
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -204.760+/-14.270 χ^2/NDF:43.1/26

Out: -171.120+/-14.353 χ^2/NDF:66.8/30

All: -188.037+/-10.119 χ^2/NDF: 112.6/57

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: 56.032+/-0.013 χ^2/NDF:8542.7/10

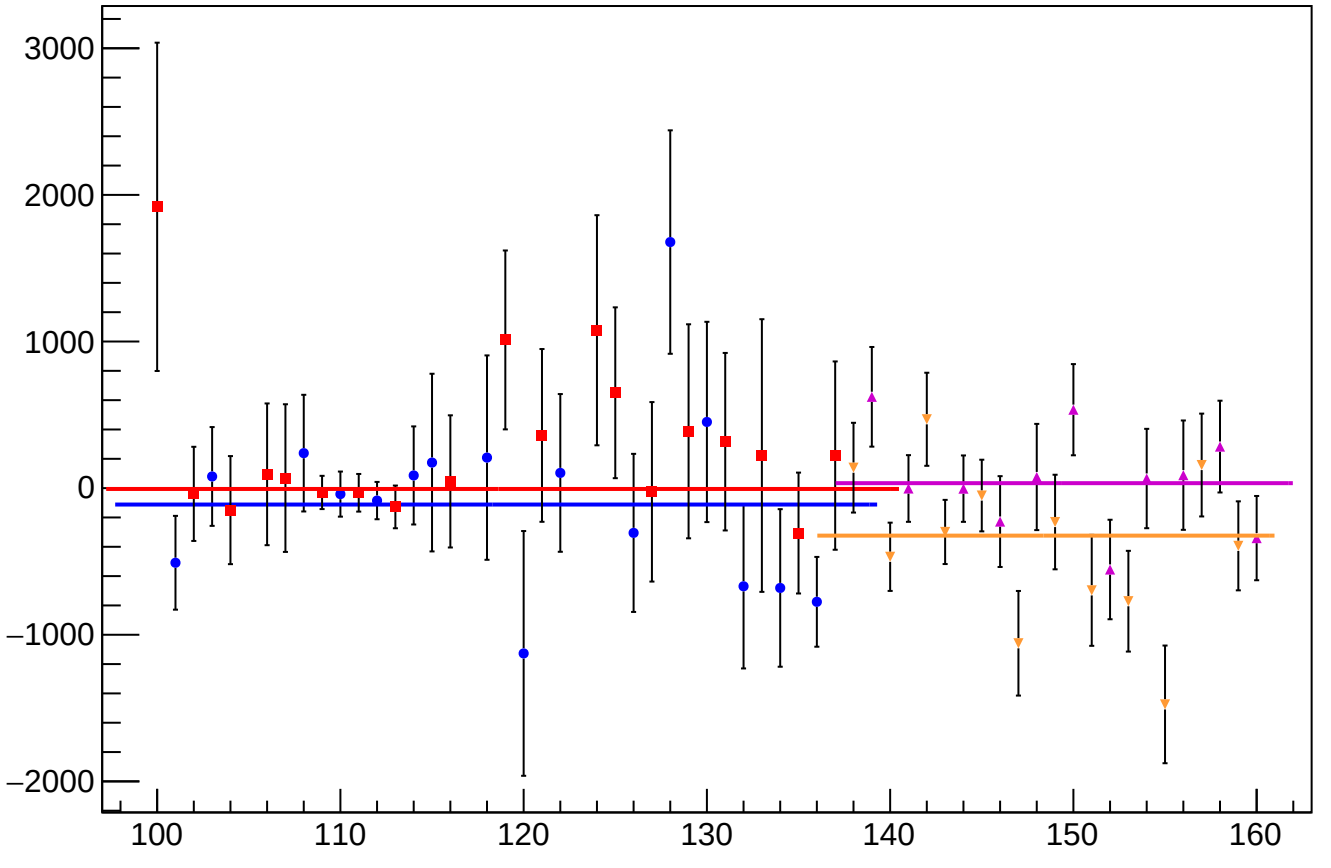
Left: 56.195+/-0.009 χ^2/NDF: 33704.7/22

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.110+/-0.010 χ^2/NDF:328114.1/26

Out: 58.683+/-0.010 χ^2/NDF:388813.0/30

All: 58.395+/-0.007 χ^2/NDF: 718531.7/57



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: 33.929+/-90.244 χ^2/NDF:11.8/10

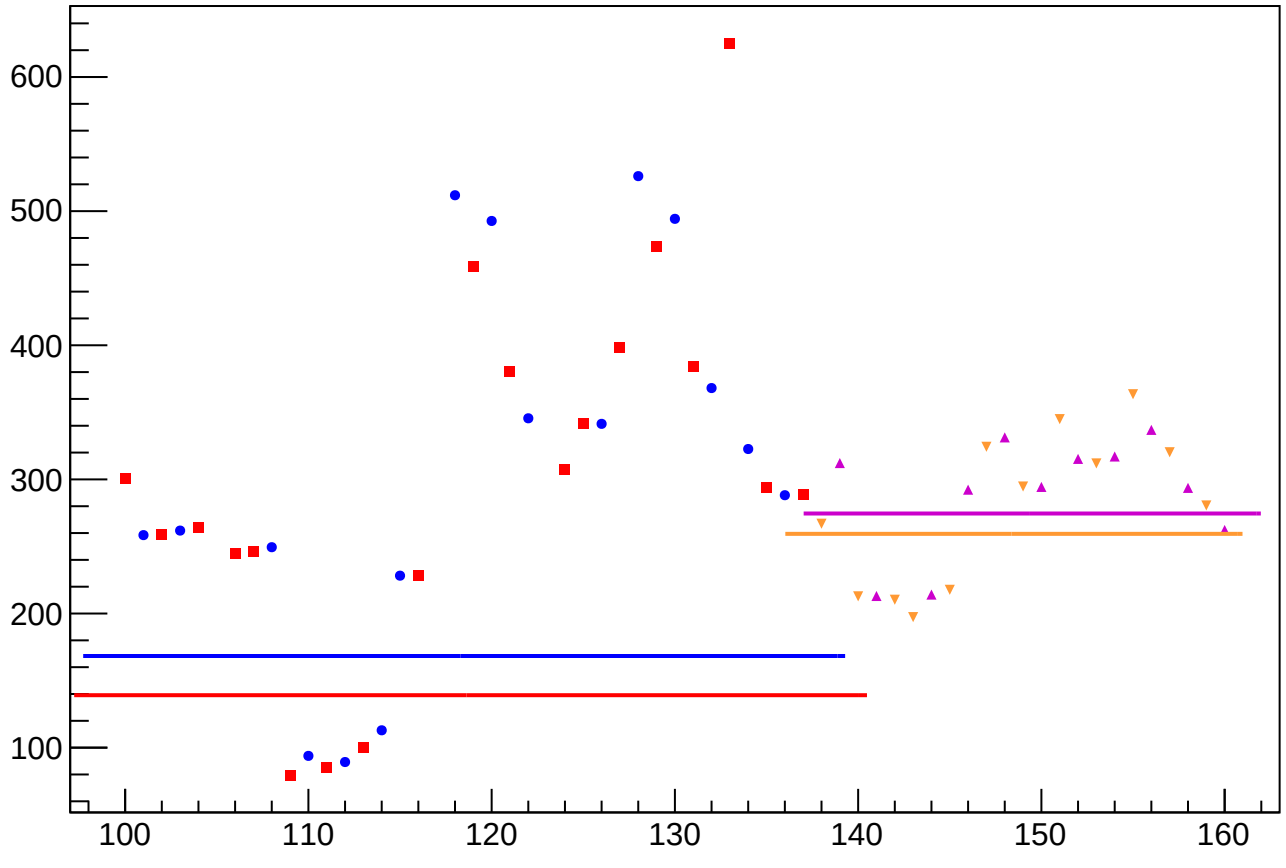
Left: -153.311+/-62.306 χ^2/NDF: 47.3/22

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -51.172+/-58.227 χ^2/NDF:31.7/26

Out: -119.021+/-51.414 χ^2/NDF:47.7/30

All: -89.296+/-38.540 χ^2/NDF: 80.2/57



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: 274.570+/-0.064 χ^2/NDF:504374.0/10

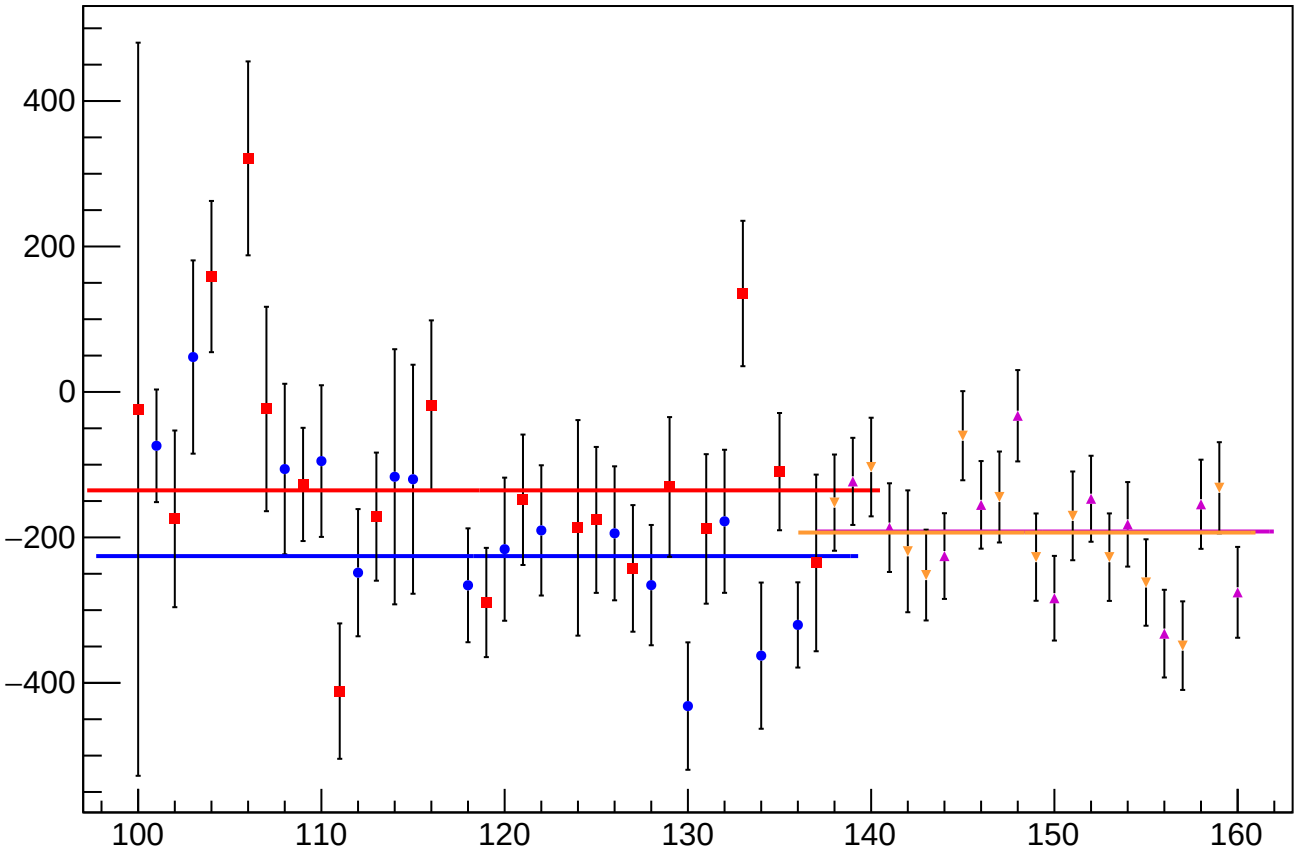
Left: 266.632+/-0.044 χ^2/NDF: 1326029.5/22

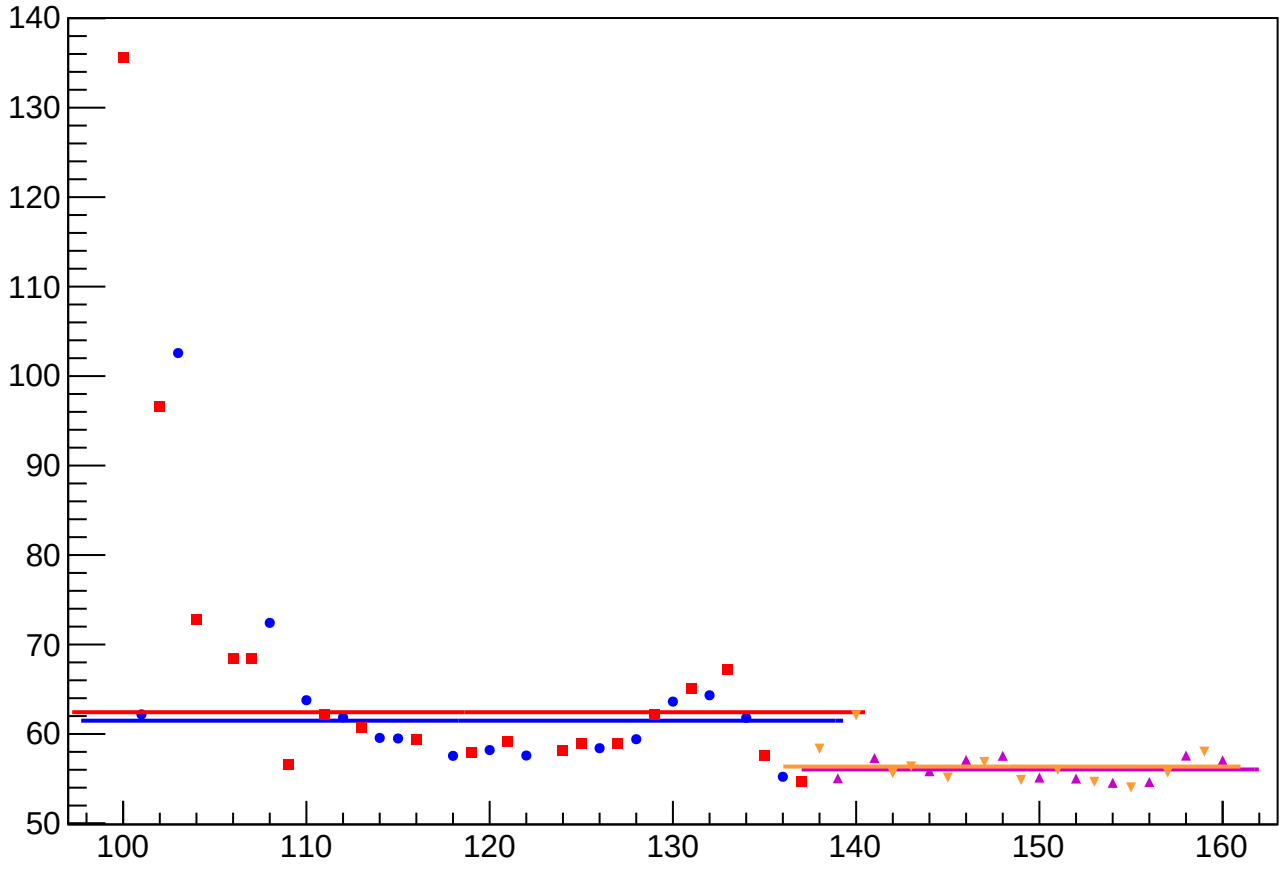
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 212.558+/-0.041 χ^2/NDF:6666407.5/26

Out: 181.972+/-0.036 χ^2/NDF:8433409.4/30

All: 195.372+/-0.027 χ^2/NDF: 15409906.4/57


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: -225.692+/-23.118 χ²/NDF: 22.6/15
Left Out: -193.306+/-18.265 χ²/NDF:18.1/11
Right Out: -135.311+/-23.205 χ²/NDF: 44.9/18
Left In: -191.876+/-18.137 χ²/NDF:19.1/10
Left: -192.586+/-12.870 χ²/NDF: 37.2/22
Right: -180.670+/-16.378 χ²/NDF: 75.1/34
In: -204.760+/-14.270 χ²/NDF:43.1/26
Out: -171.120+/-14.353 χ²/NDF:66.8/30
All: -188.037+/-10.119 χ²/NDF: 112.6/57



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: 56.032+/-0.013 χ^2/NDF:8542.7/10

Left: 56.195+/-0.009 χ^2/NDF: 33704.7/22

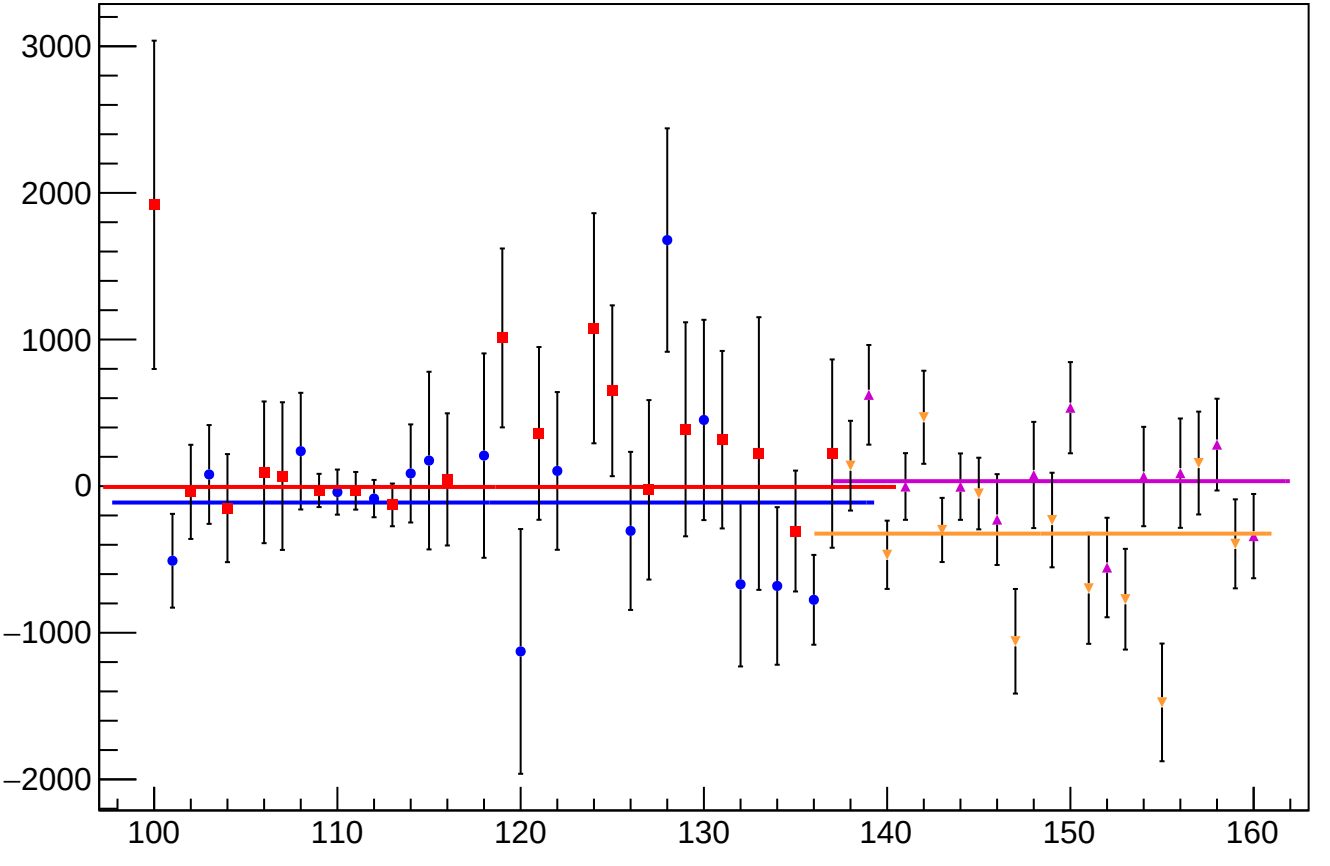
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.110+/-0.010 χ^2/NDF:328114.1/26

Out: 58.683+/-0.010 χ^2/NDF:388813.0/30

All: 58.395+/-0.007 χ^2/NDF: 718531.7/57

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 33.929+/-90.244 χ^2/NDF:11.8/10

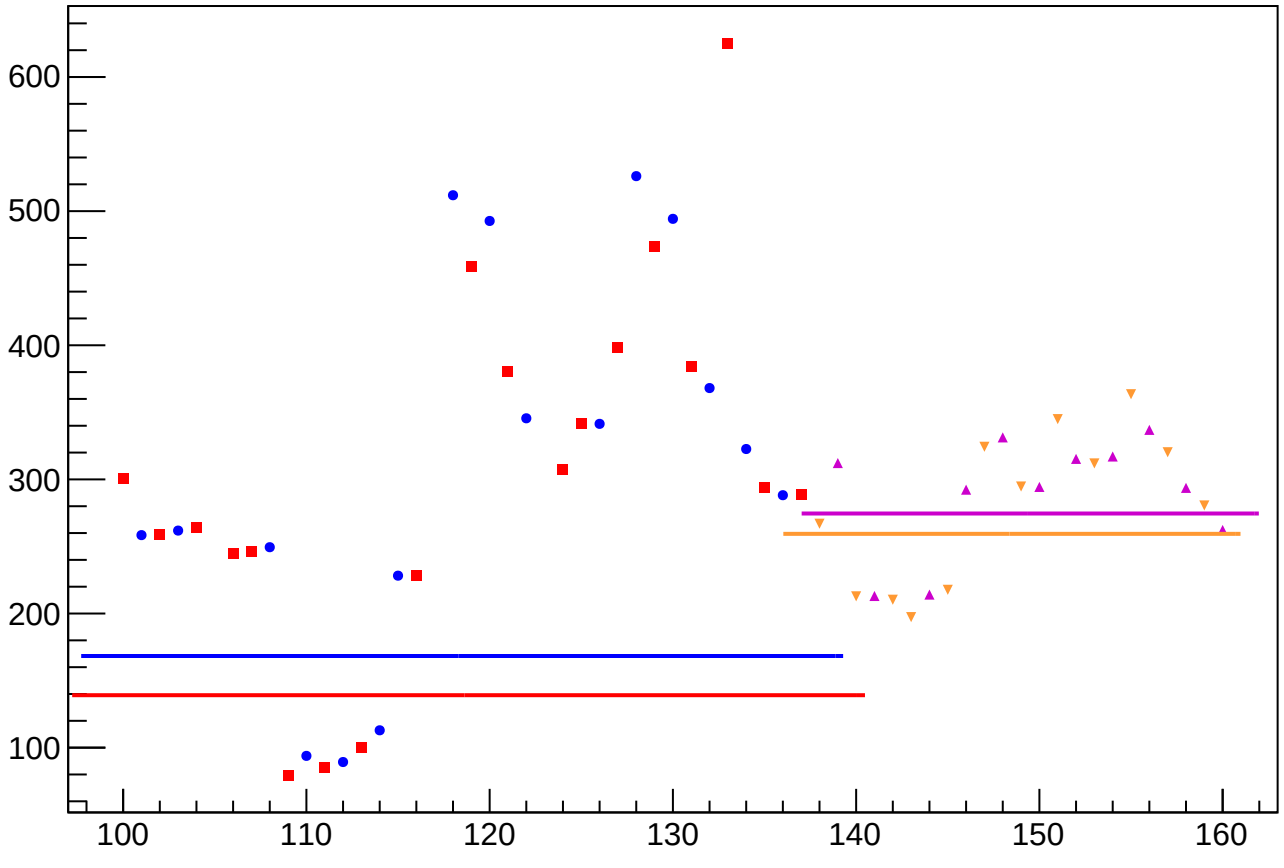
Left: -153.311+/-62.306 χ^2/NDF: 47.3/22

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -51.172+/-58.227 χ^2/NDF:31.7/26

Out: -119.021+/-51.414 χ^2/NDF:47.7/30

All: -89.296+/-38.540 χ^2/NDF: 80.2/57



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: 274.570+/-0.064 χ^2/NDF:504374.0/10

Left: 266.632+/-0.044 χ^2/NDF: 1326029.5/22

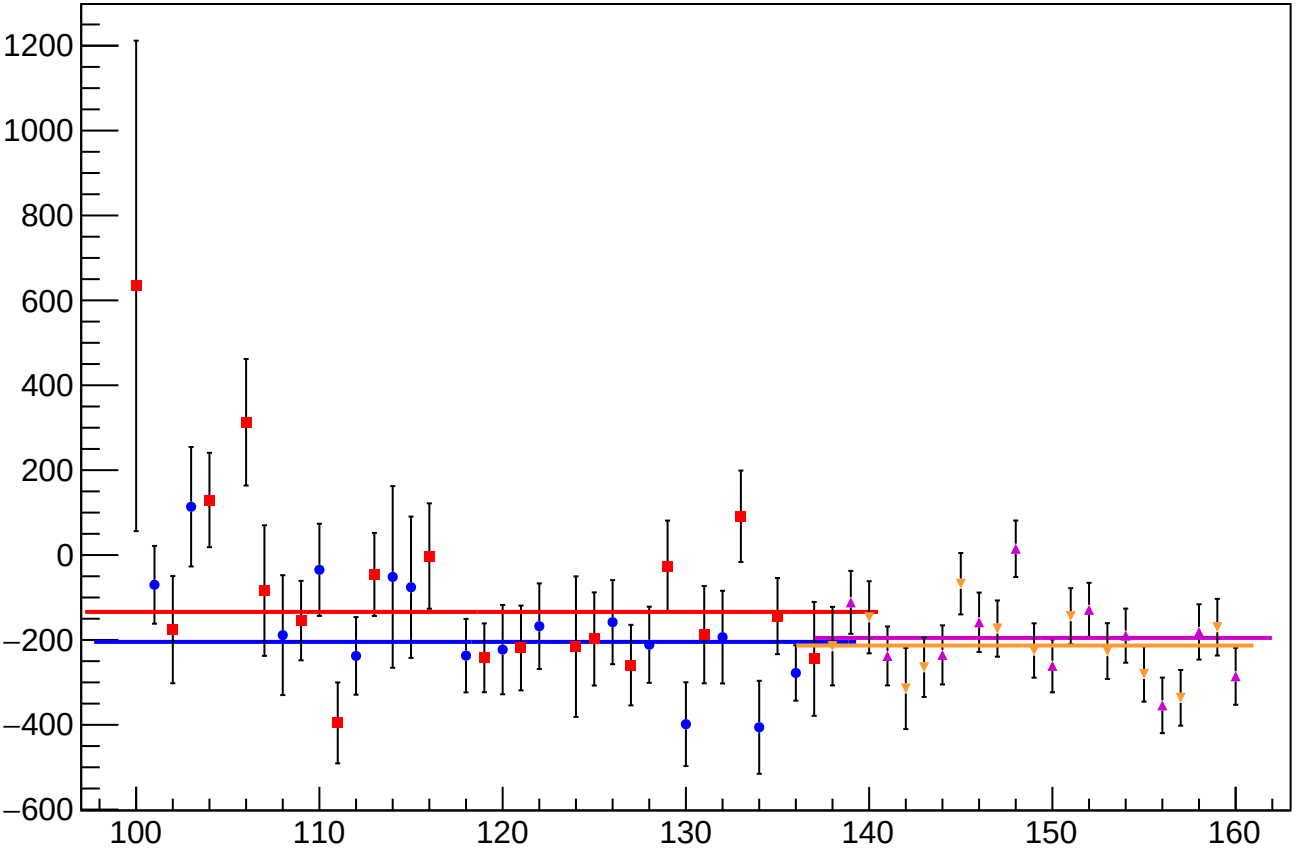
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 212.558+/-0.041 χ^2/NDF:6666407.5/26

Out: 181.972+/-0.036 χ^2/NDF:8433409.4/30

All: 195.372+/-0.027 χ^2/NDF: 15409906.4/57

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: -195.220+/-20.133 χ^2/NDF:22.2/10

Left: -204.040+/-14.356 χ^2/NDF: 35.4/22

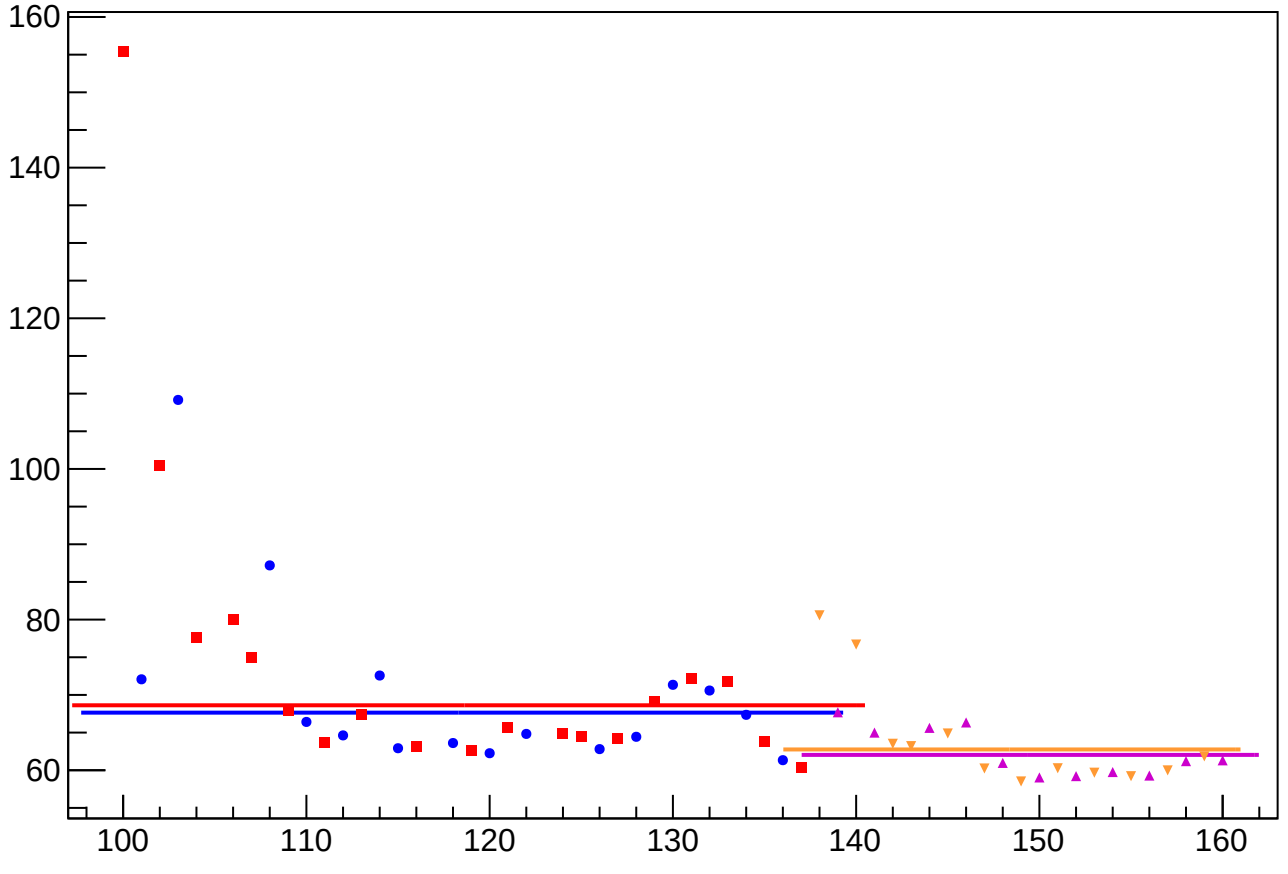
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -198.809+/-15.807 χ^2/NDF:42.3/26

Out: -182.077+/-15.962 χ^2/NDF:56.0/30

All: -190.524+/-11.232 χ^2/NDF: 98.8/57

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: 62.039+/-0.014 χ^2/NDF:43822.0/10

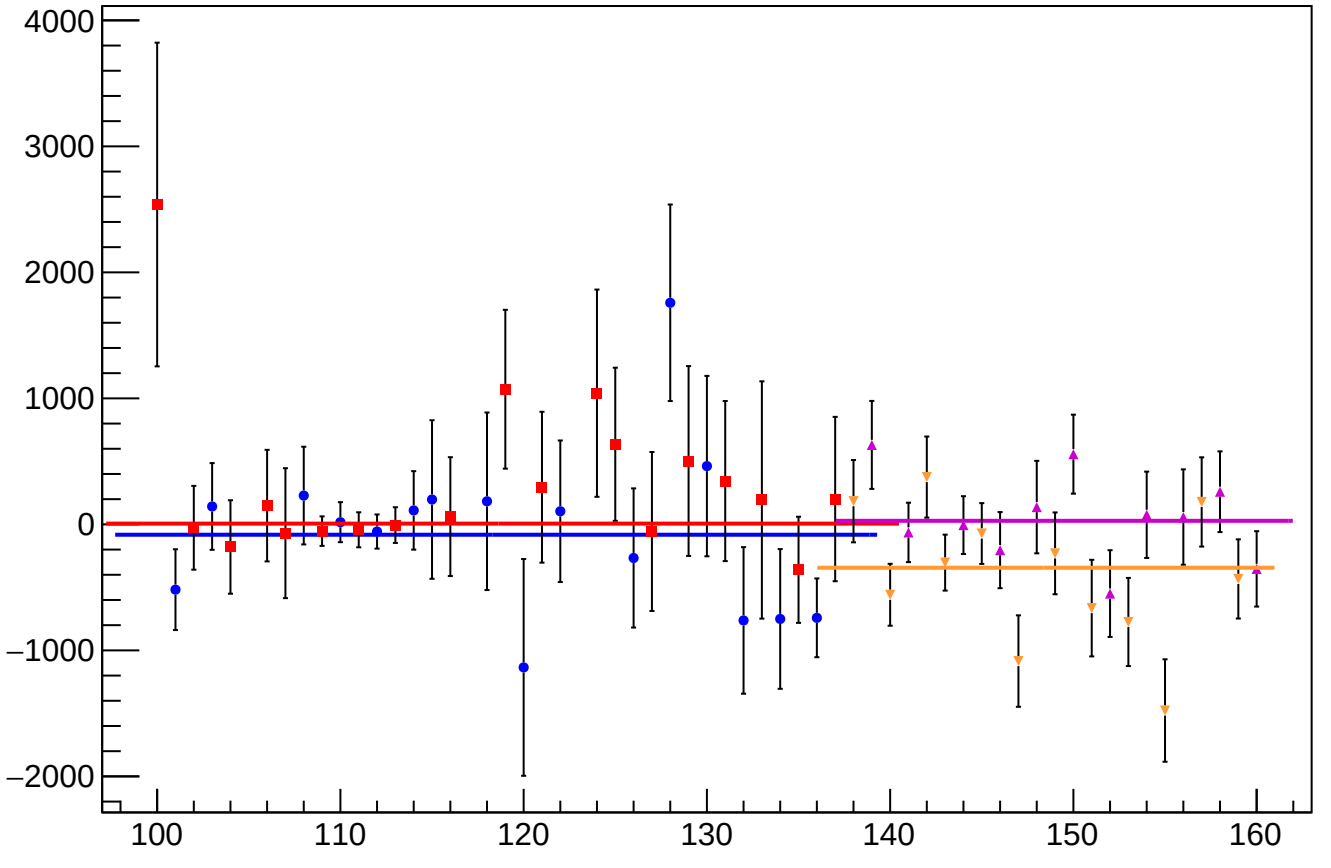
Left: 62.393+/-0.010 χ^2/NDF: 203787.2/22

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.190+/-0.011 χ^2/NDF:367031.5/26

Out: 65.061+/-0.011 χ^2/NDF:471218.5/30

All: 64.621+/-0.008 χ^2/NDF: 841254.9/57



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: 28.259+/-91.809 χ^2/NDF:11.7/10

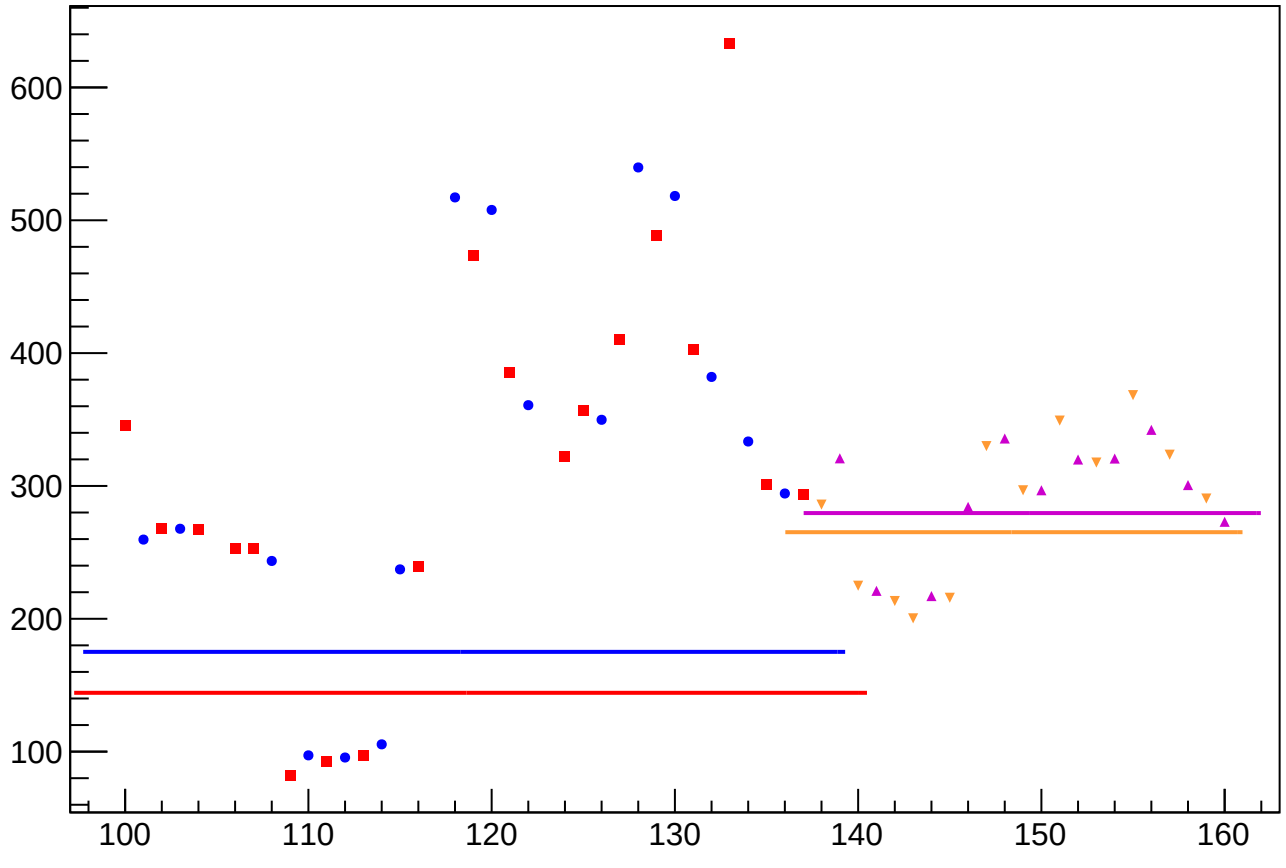
Left: -165.898+/-63.512 χ^2/NDF: 46.4/22

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.446+/-59.741 χ^2/NDF:31.7/26

Out: -119.857+/-52.744 χ^2/NDF:48.4/30

All: -82.881+/-39.539 χ^2/NDF: 81.2/57



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: 279.584+/-0.065 χ^2/NDF:473392.0/10

Left: 272.080+/-0.045 χ^2/NDF: 1286741.4/22

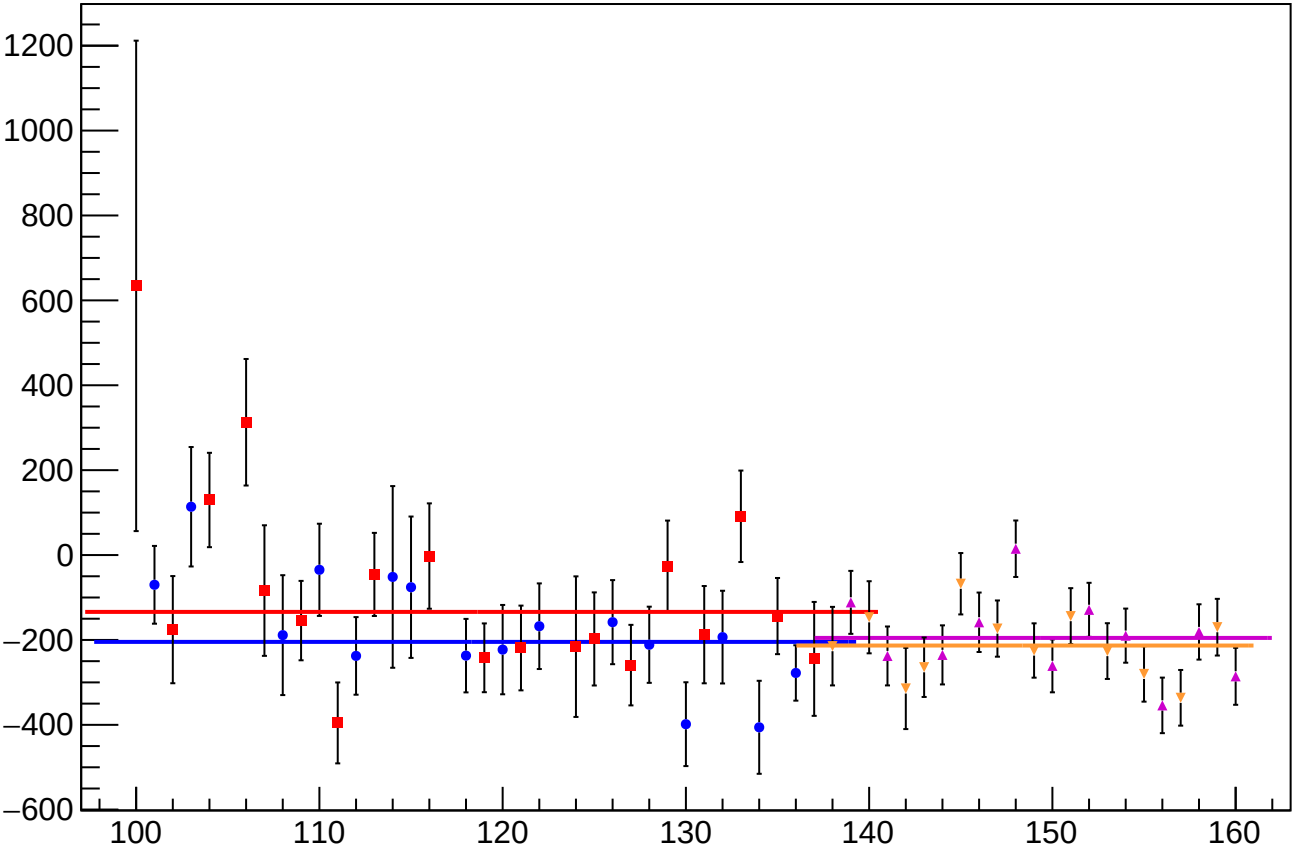
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 219.340+/-0.042 χ^2/NDF:6396021.9/26

Out: 187.759+/-0.037 χ^2/NDF:8340784.6/30

All: 201.593+/-0.028 χ^2/NDF: 15050894.9/57

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: -195.221+/-20.133 χ^2/NDF:22.2/10

Left: -204.040+/-14.356 χ^2/NDF: 35.4/22

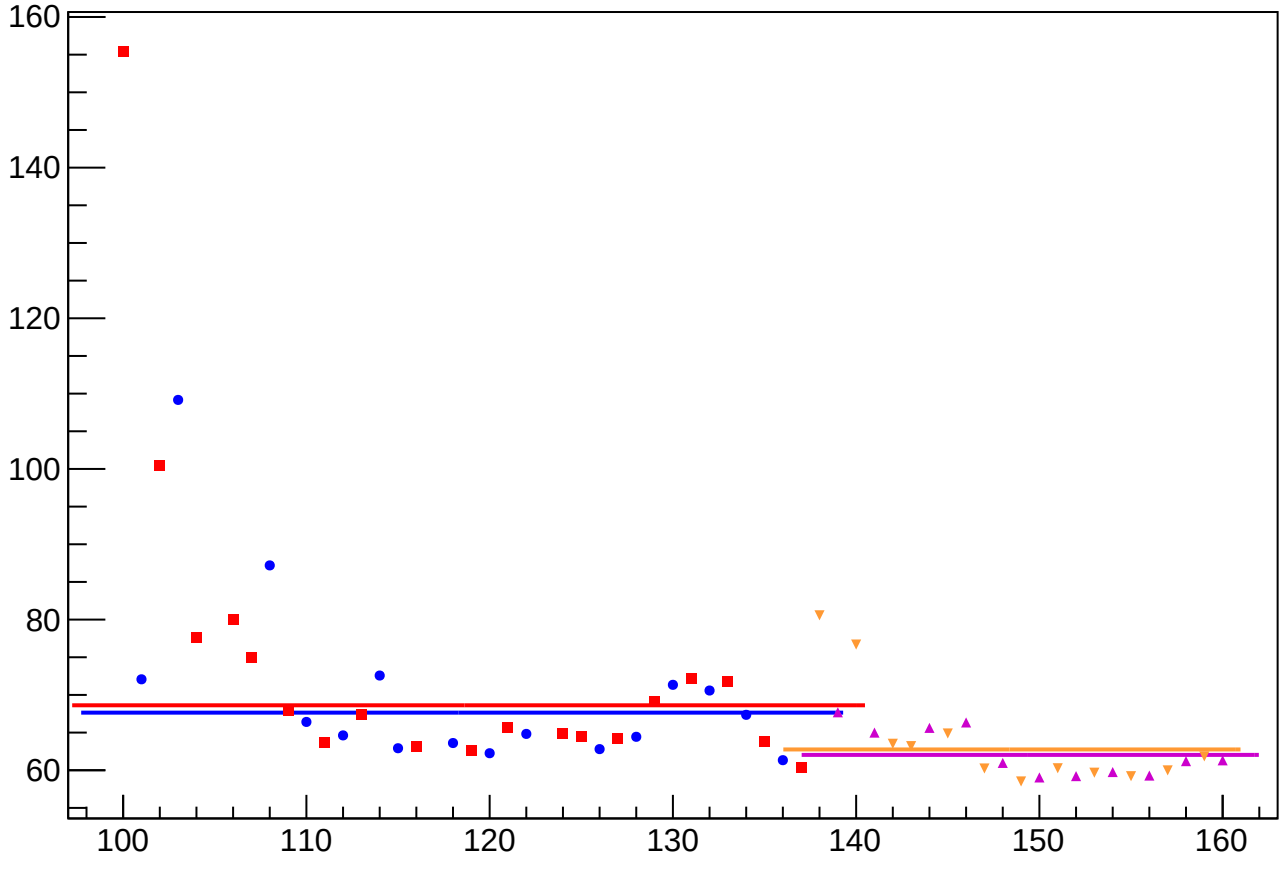
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -198.809+/-15.807 χ^2/NDF:42.3/26

Out: -182.077+/-15.962 χ^2/NDF:56.0/30

All: -190.524+/-11.231 χ^2/NDF: 98.8/57

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: 62.039+/-0.014 χ^2/NDF:43822.8/10

Left: 62.393+/-0.010 χ^2/NDF: 203787.1/22

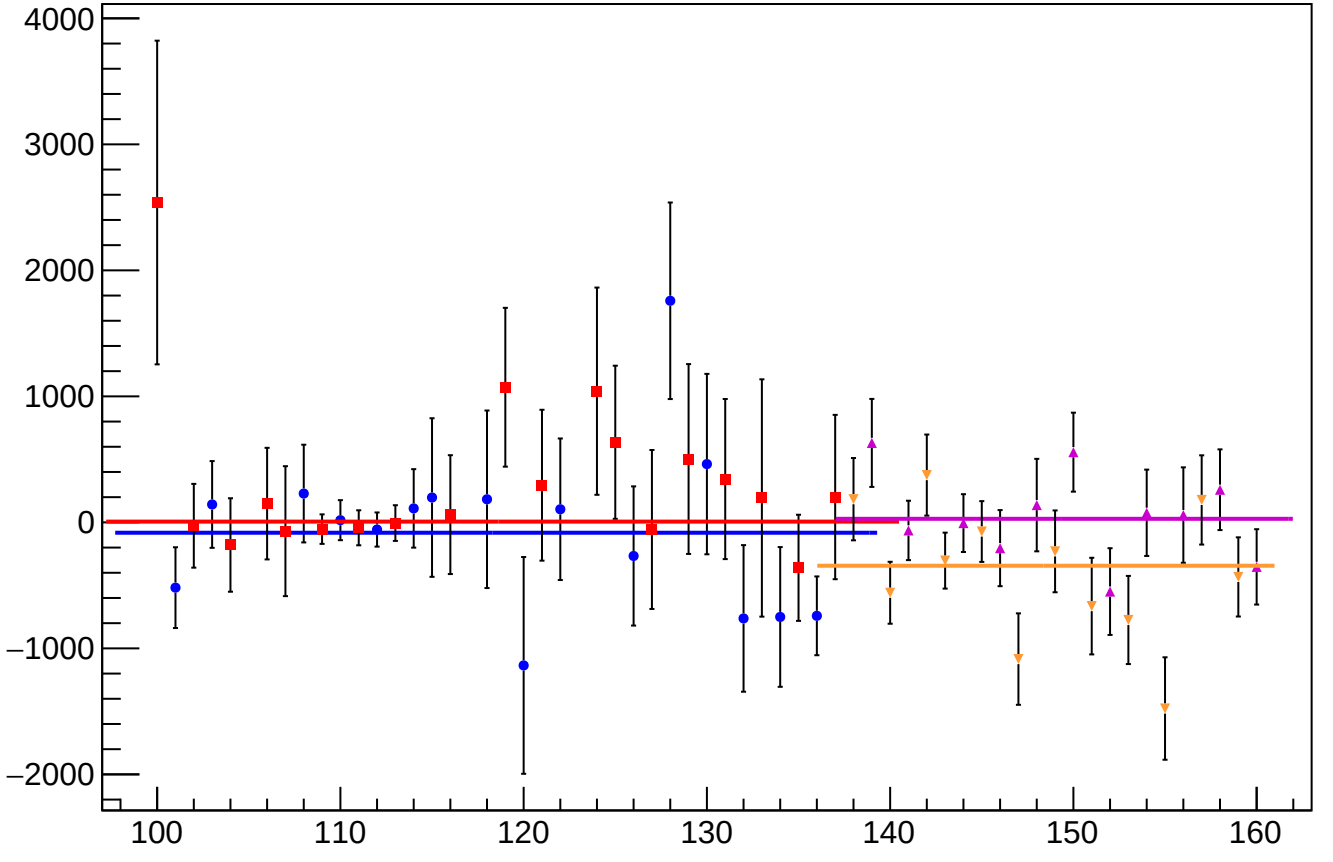
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.190+/-0.011 χ^2/NDF:367026.8/26

Out: 65.061+/-0.011 χ^2/NDF:471213.3/30

All: 64.621+/-0.008 χ^2/NDF: 841245.0/57

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: 28.258+/-91.809 χ^2/NDF:11.7/10

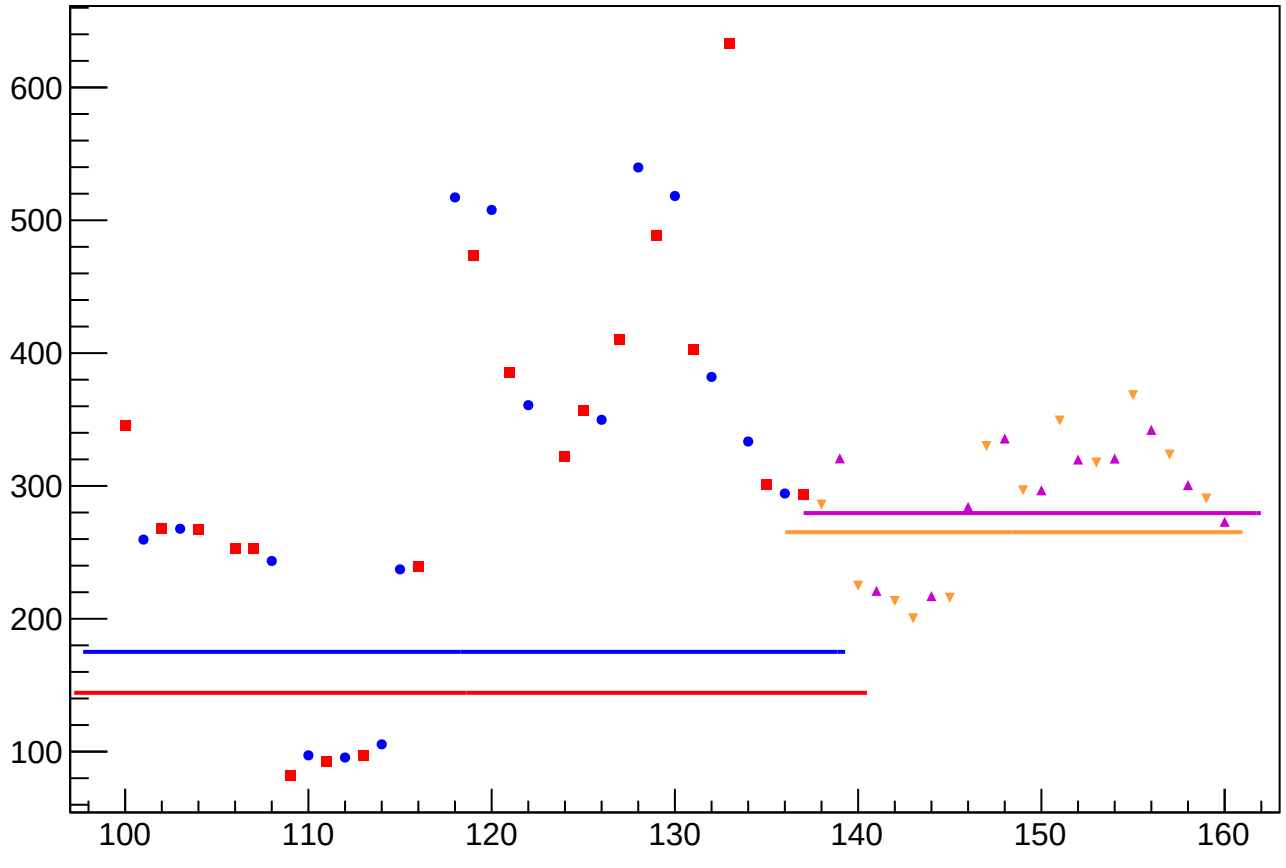
Left: -165.898+/-63.512 χ^2/NDF: 46.4/22

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.445+/-59.741 χ^2/NDF:31.7/26

Out: -119.857+/-52.744 χ^2/NDF:48.4/30

All: -82.881+/-39.539 χ^2/NDF: 81.2/57



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: 279.583+/-0.065 χ^2/NDF:473393.0/10

Left: 272.079+/-0.045 χ^2/NDF: 1286751.3/22

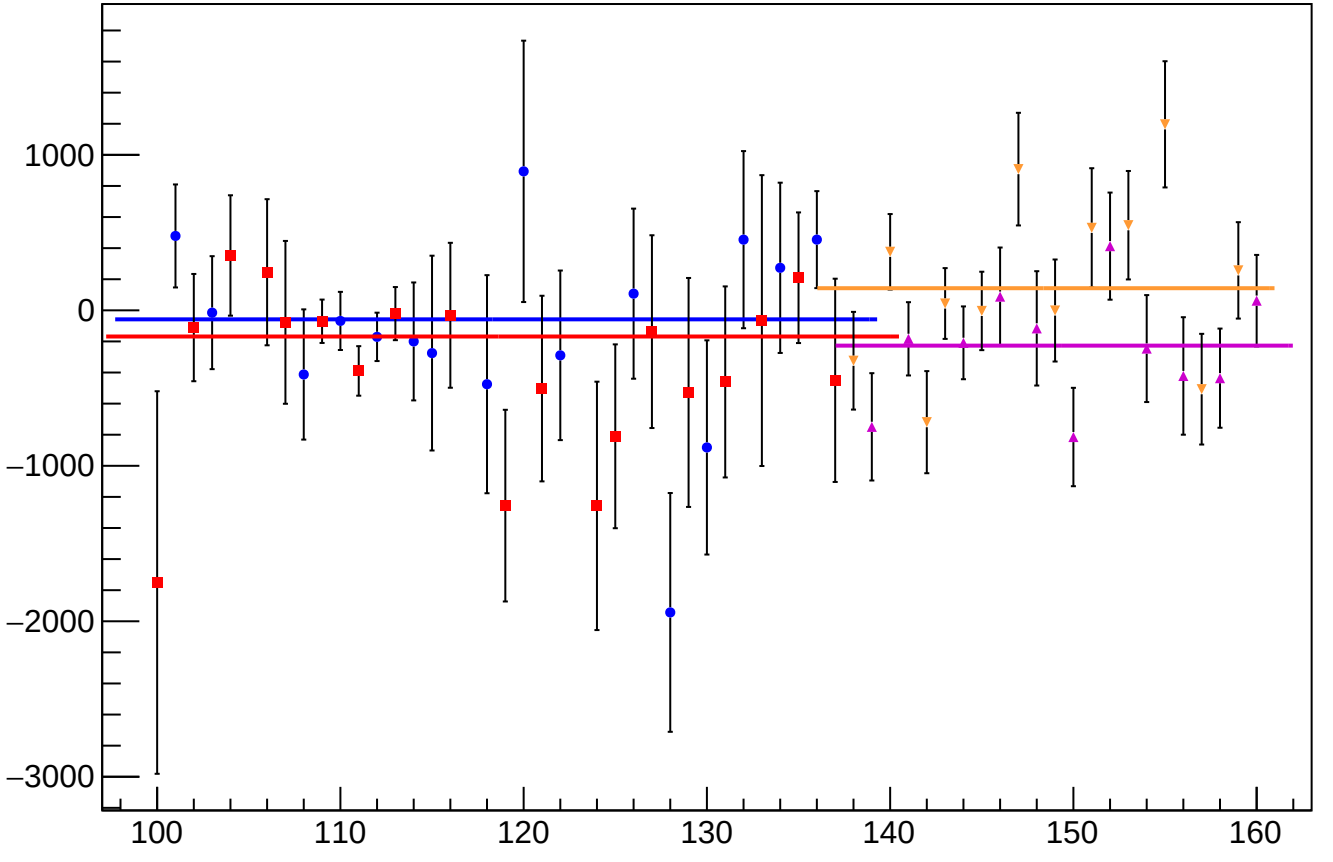
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 219.339+/-0.042 χ^2/NDF:6396072.0/26

Out: 187.758+/-0.037 χ^2/NDF:8340757.9/30

All: 201.592+/-0.028 χ^2/NDF: 15050904.6/57

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: -227.024+/-92.322 χ^2/NDF:12.0/10

Left: -34.541+/-63.888 χ^2/NDF: 48.1/22

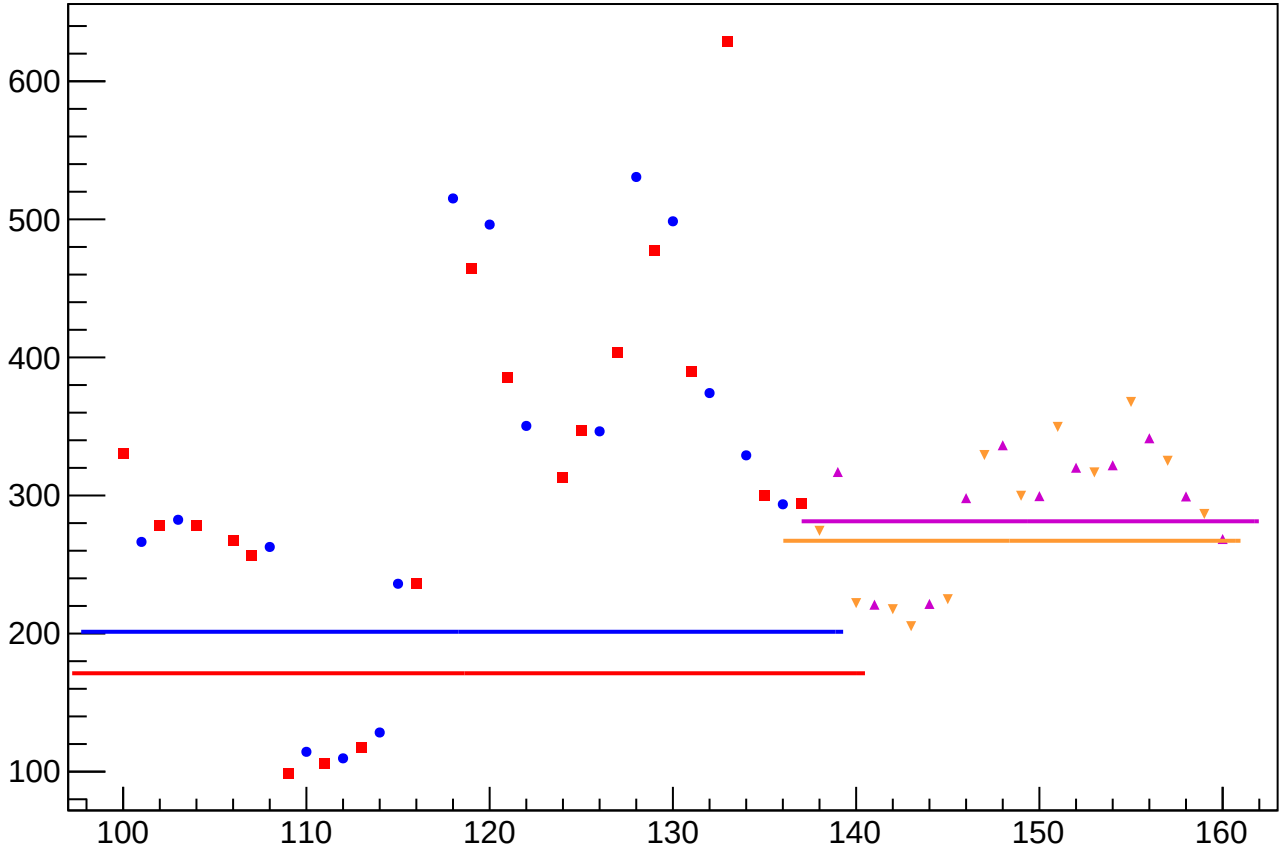
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -137.379+/-63.274 χ^2/NDF:31.1/26

Out: -39.282+/-57.038 χ^2/NDF:50.5/30

All: -83.260+/-42.366 χ^2/NDF: 83.0/57

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: 281.315+/-0.065 χ^2/NDF:454598.1/10

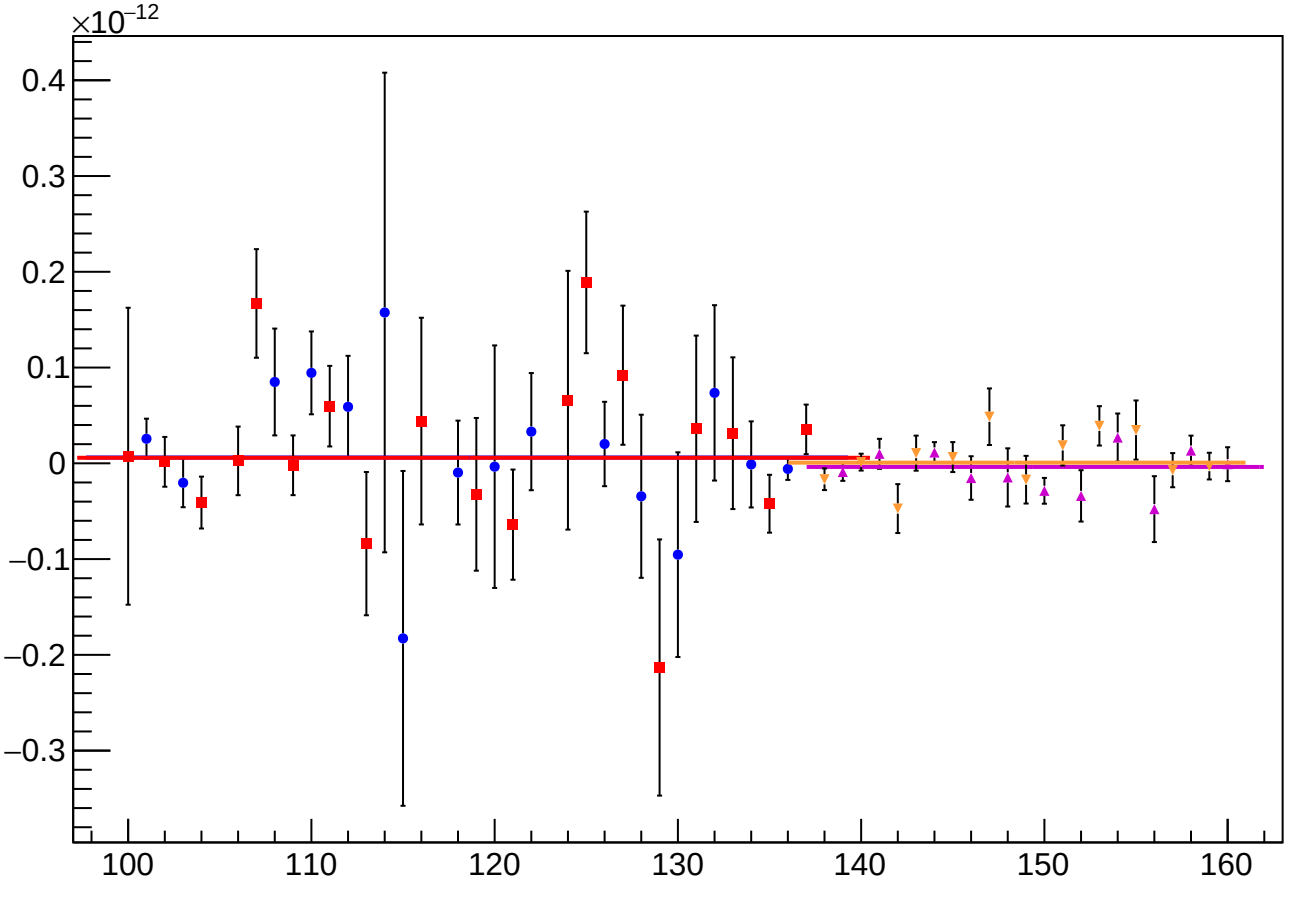
Left: 273.964+/-0.045 χ^2/NDF: 1193597.7/22

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 238.886+/-0.045 χ^2/NDF:4823434.1/26

Out: 211.109+/-0.040 χ^2/NDF:6281747.1/30

All: 223.561+/-0.030 χ^2/NDF: 11317823.5/57



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:12.5/10

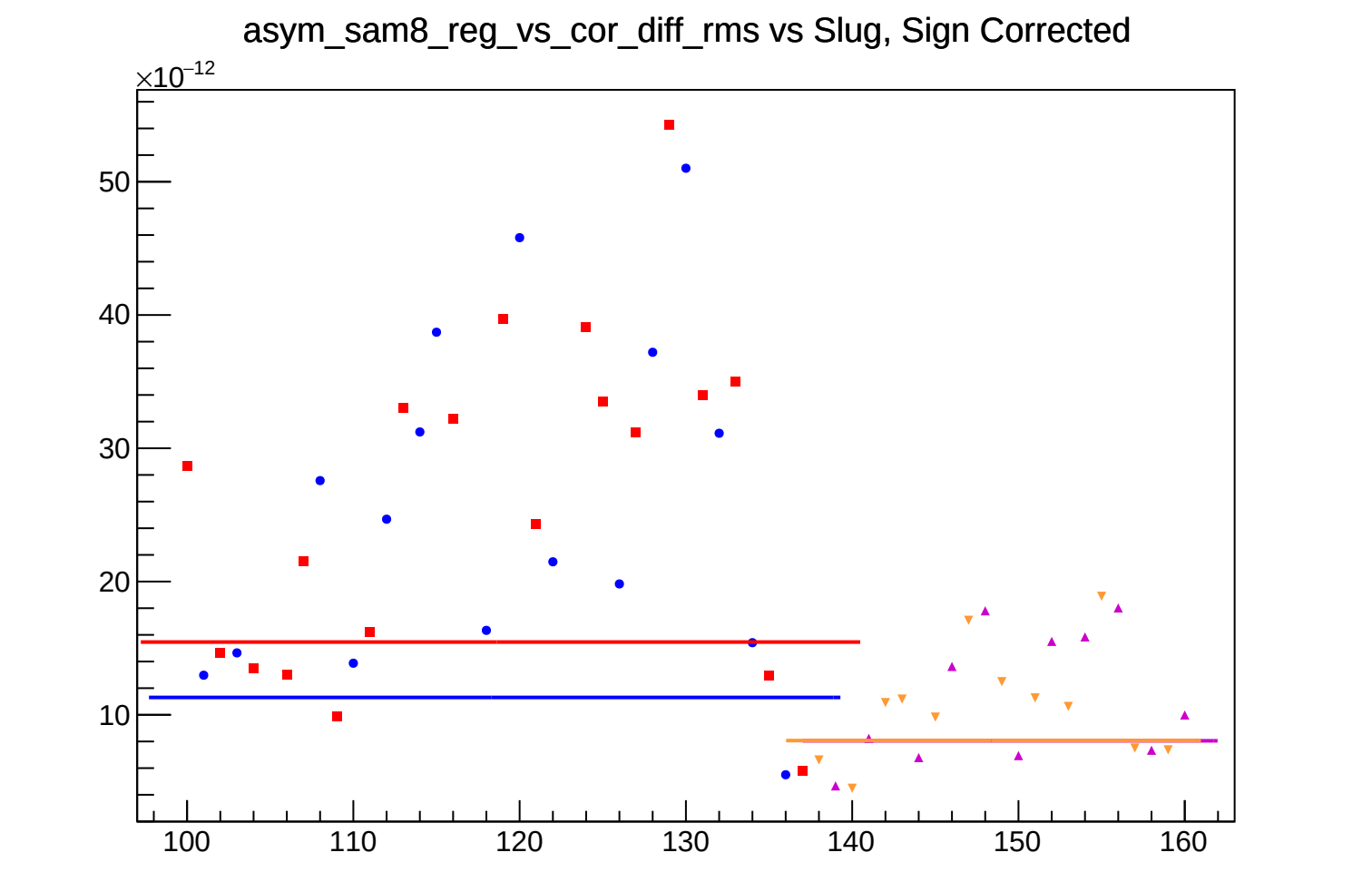
Left: -0.000+/-0.000 χ^2/NDF: 28.1/22

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.3/26

Out: 0.000+/-0.000 χ^2/NDF:45.9/30

All: 0.000+/-0.000 χ^2/NDF: 73.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1052211.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1179304.8/10

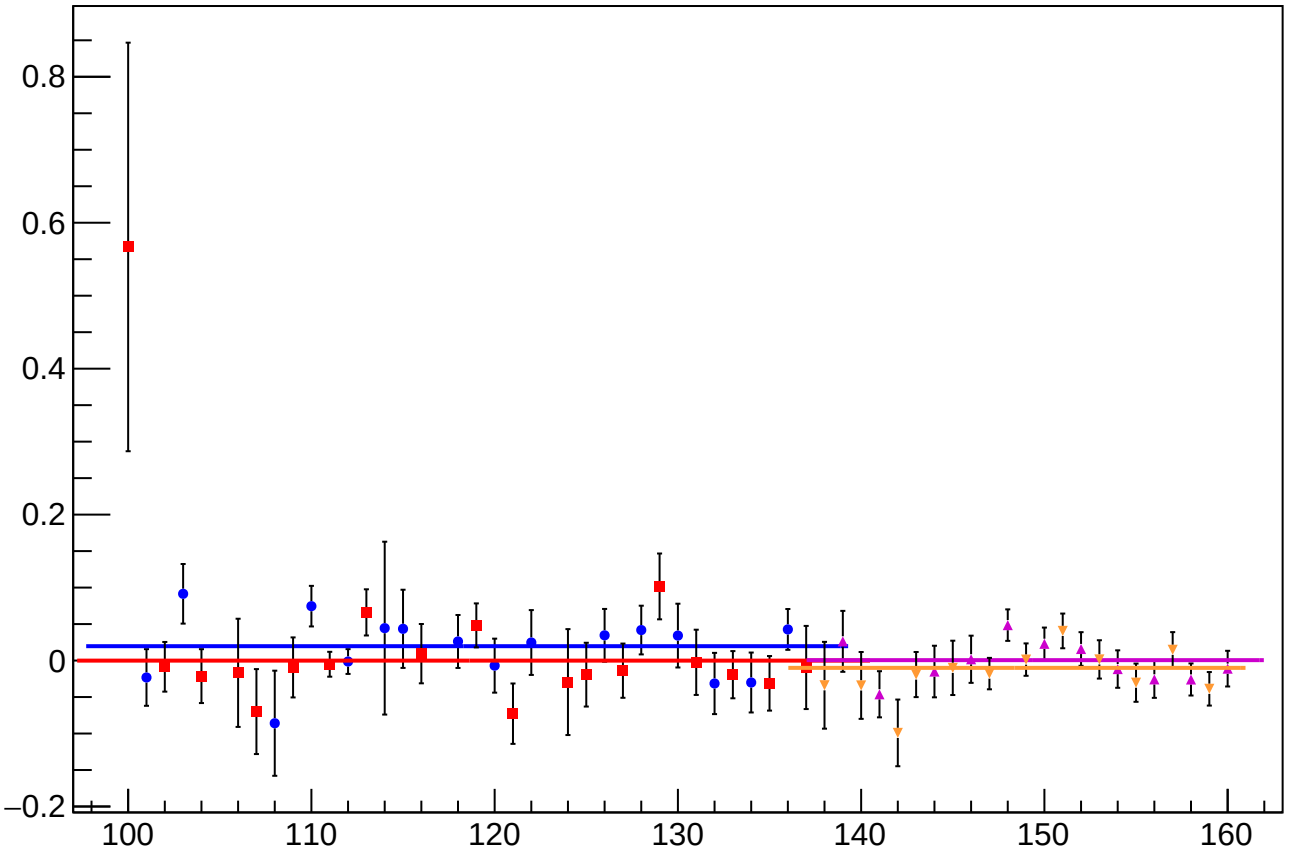
Left: 0.000+/-0.000 χ^2/NDF: 2231532.5/22

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:3200839.4/26

Out: 0.000+/-0.000 χ^2/NDF:3364603.9/30

All: 0.000+/-0.000 χ^2/NDF: 6578709.7/57



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: 0.001+/-0.008 χ^2/NDF:12.2/10

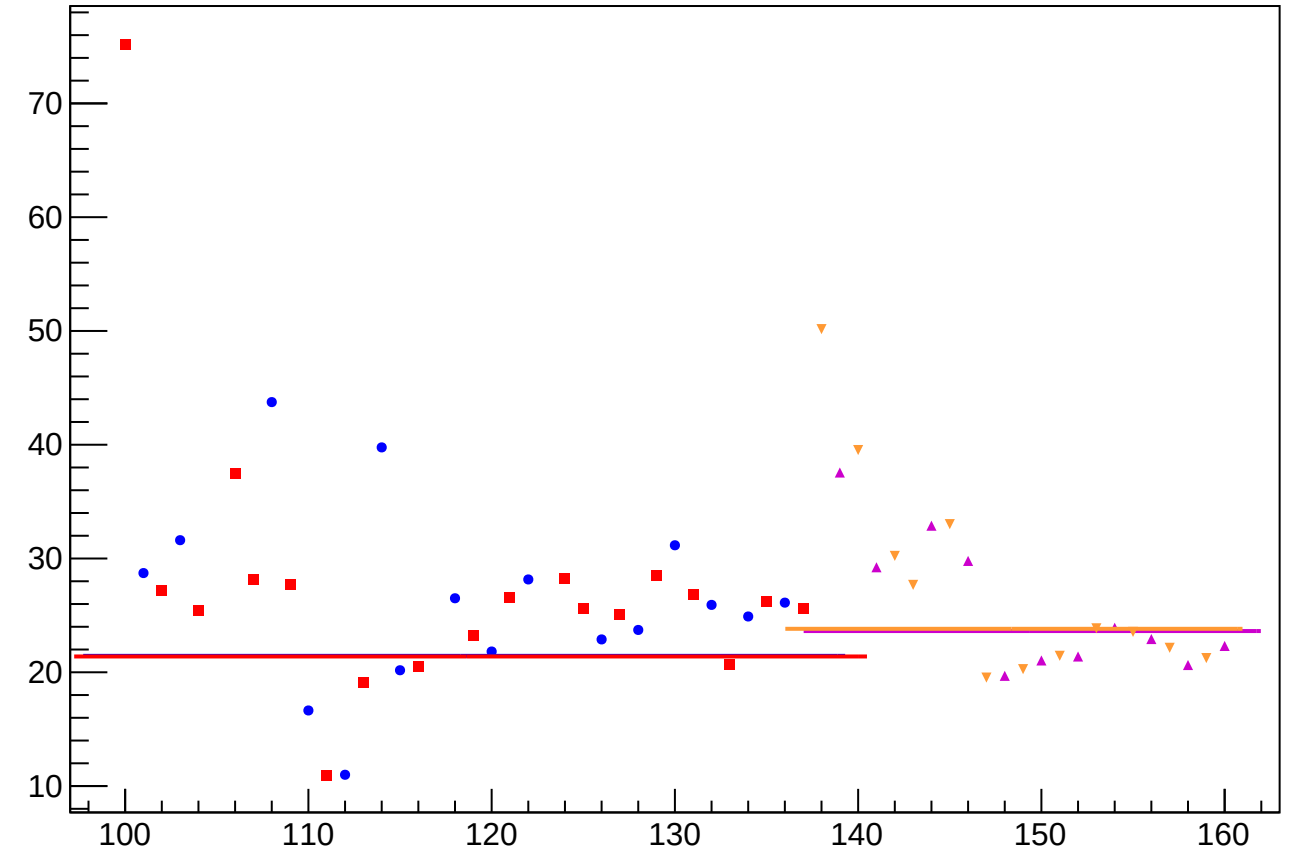
Left: -0.005+/-0.006 χ^2/NDF: 25.7/22

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 71.2/57



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: 23.624+/-0.006 χ^2/NDF:652149.1/10

Left: 23.720+/-0.004 χ^2/NDF: 1657780.2/22

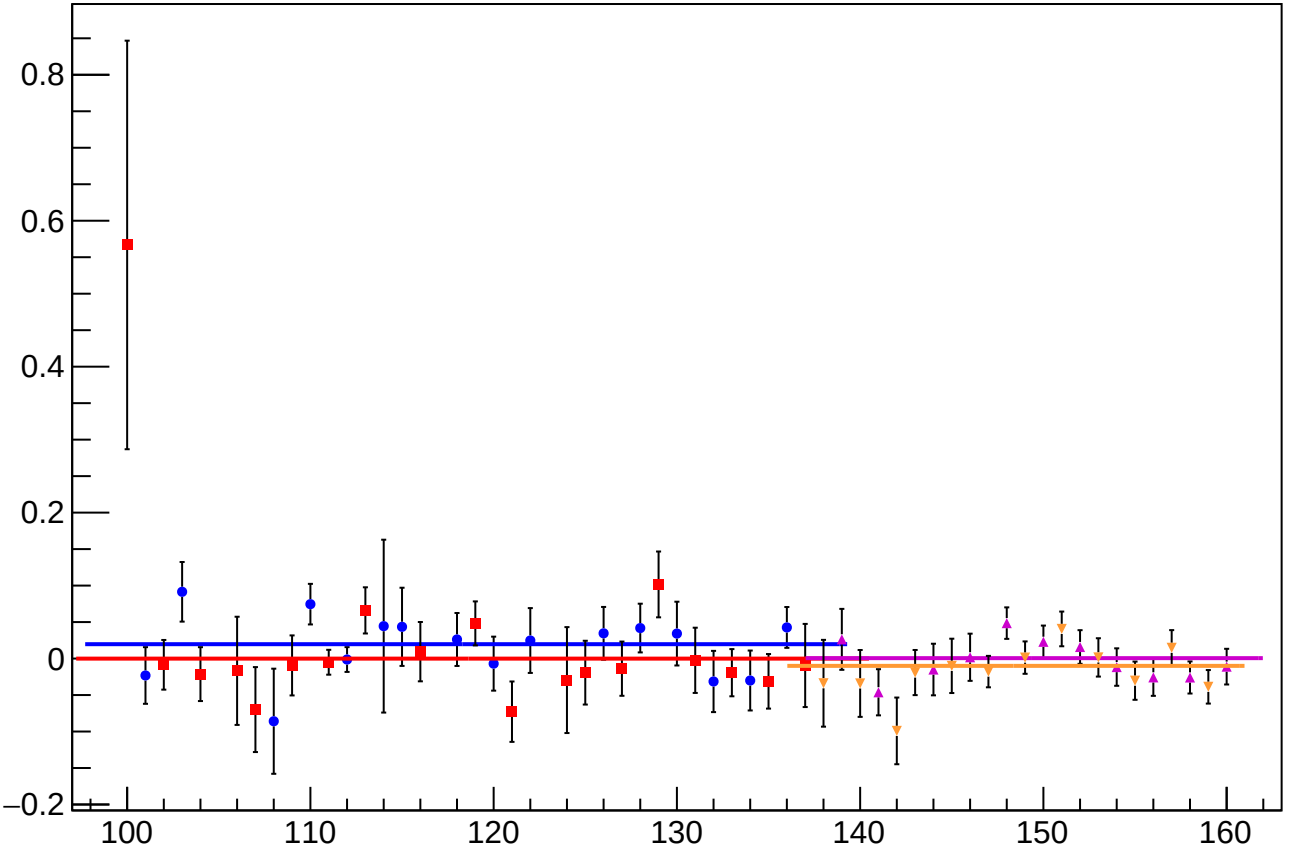
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.643+/-0.004 χ^2/NDF:2262178.4/26

Out: 22.674+/-0.004 χ^2/NDF:2403261.8/30

All: 22.658+/-0.003 χ^2/NDF: 4665468.2/57

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: 0.001+/-0.008 χ^2/NDF:12.2/10

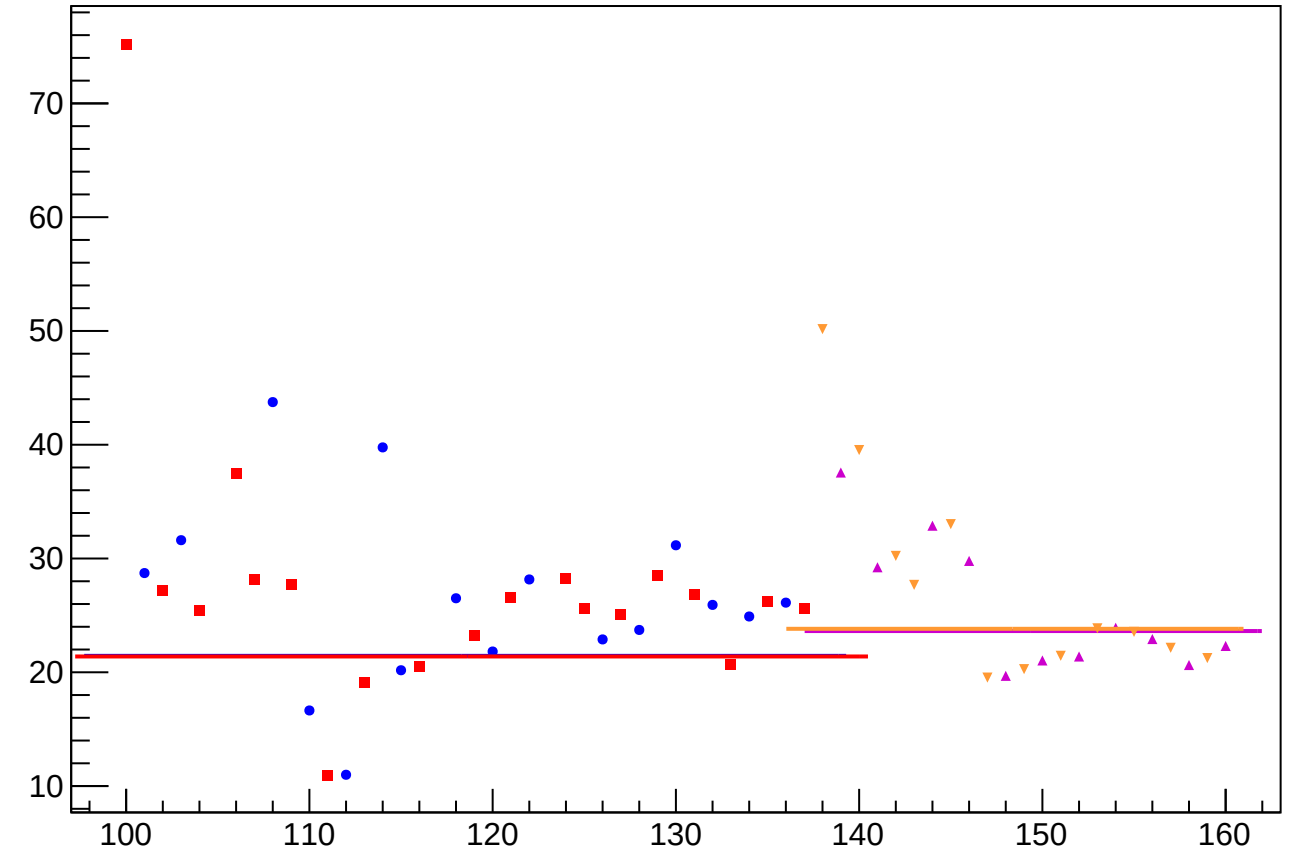
Left: -0.005+/-0.006 χ^2/NDF: 25.7/22

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 71.2/57



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: 23.624+/-0.006 χ^2/NDF:652149.1/10

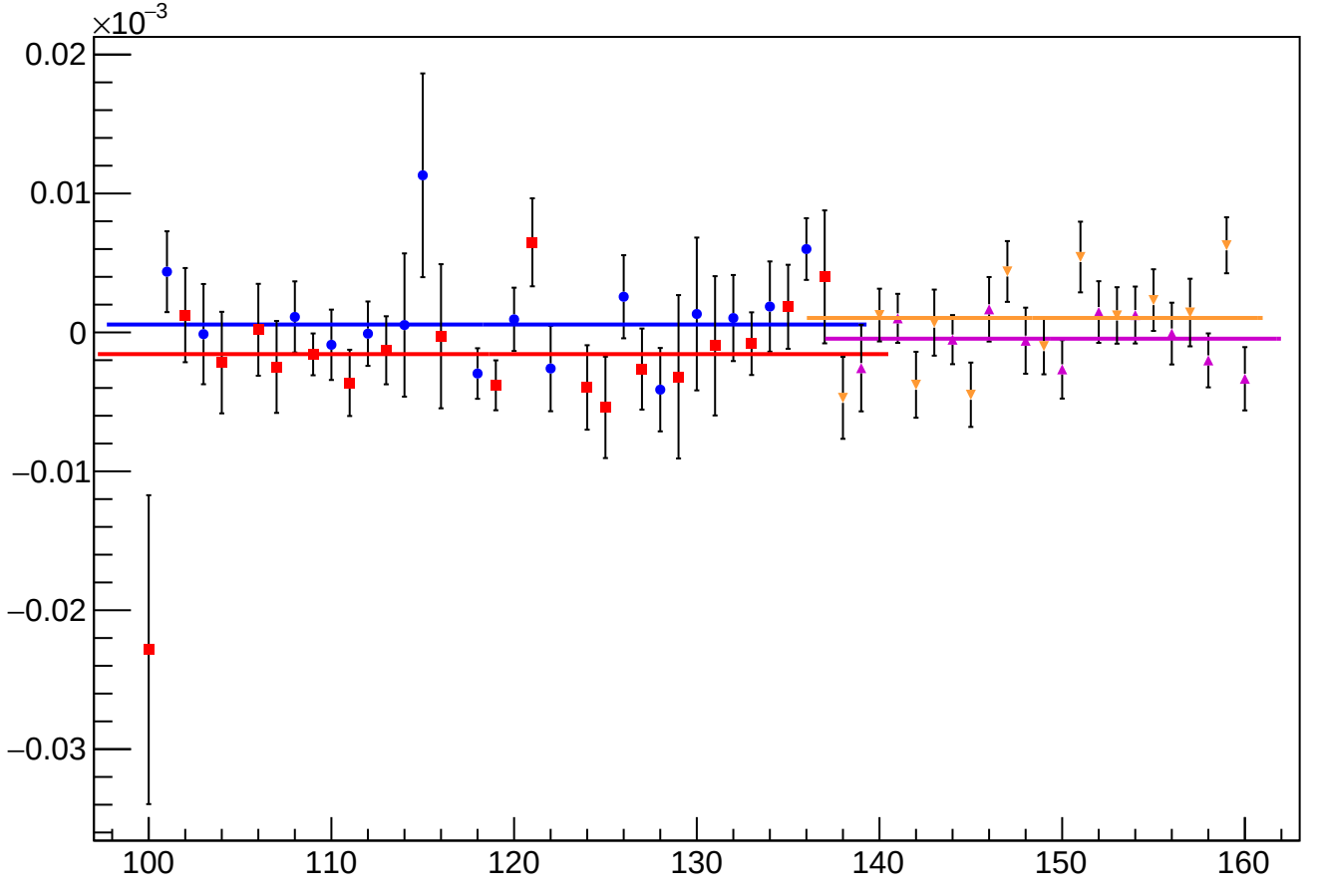
Left: 23.720+/-0.004 χ^2/NDF: 1657780.2/22

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.643+/-0.004 χ^2/NDF:2262178.4/26

Out: 22.674+/-0.004 χ^2/NDF:2403261.8/30

All: 22.658+/-0.003 χ^2/NDF: 4665468.2/57



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:6.8/10

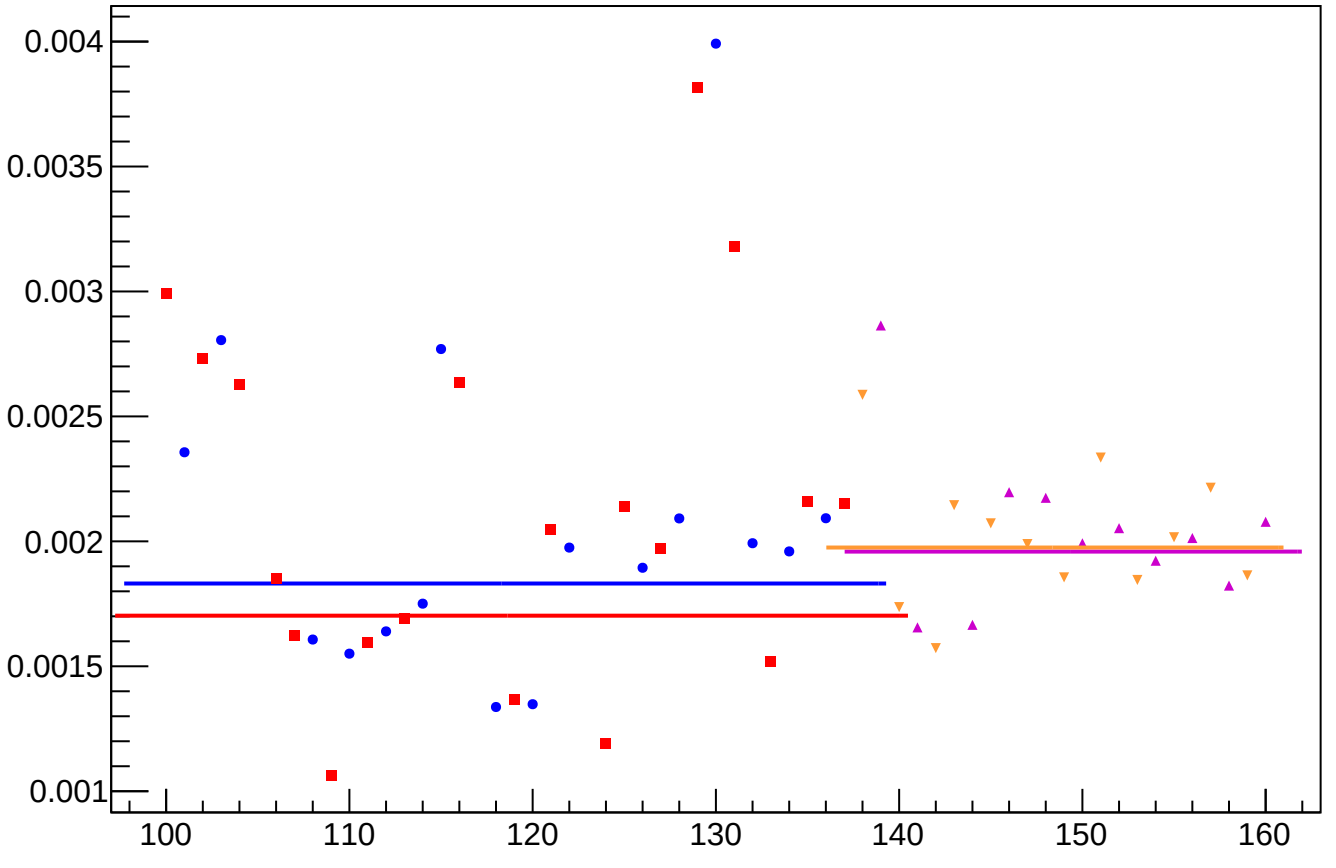
Left: 0.000+/-0.000 χ^2/NDF: 36.5/22

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:26.2/26

Out: -0.000+/-0.000 χ^2/NDF:53.3/30

All: -0.000+/-0.000 χ^2/NDF: 79.6/57



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:341488.4/10

Left: 0.002+/-0.000 χ^2/NDF: 612038.3/22

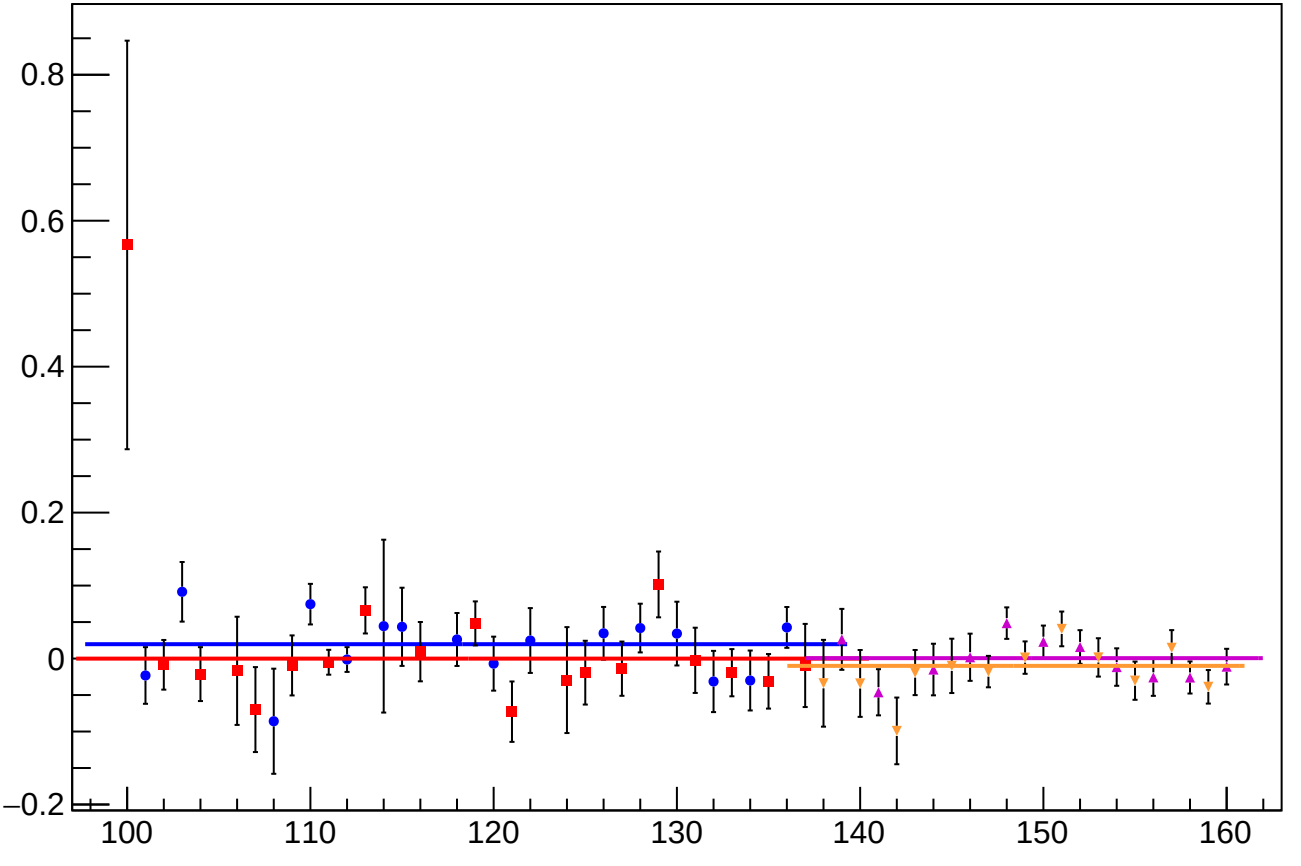
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1277743.6/26

Out: 0.002+/-0.000 χ^2/NDF:1922753.7/30

All: 0.002+/-0.000 χ^2/NDF: 3216711.0/57

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: 0.001+/-0.008 χ^2/NDF:12.2/10

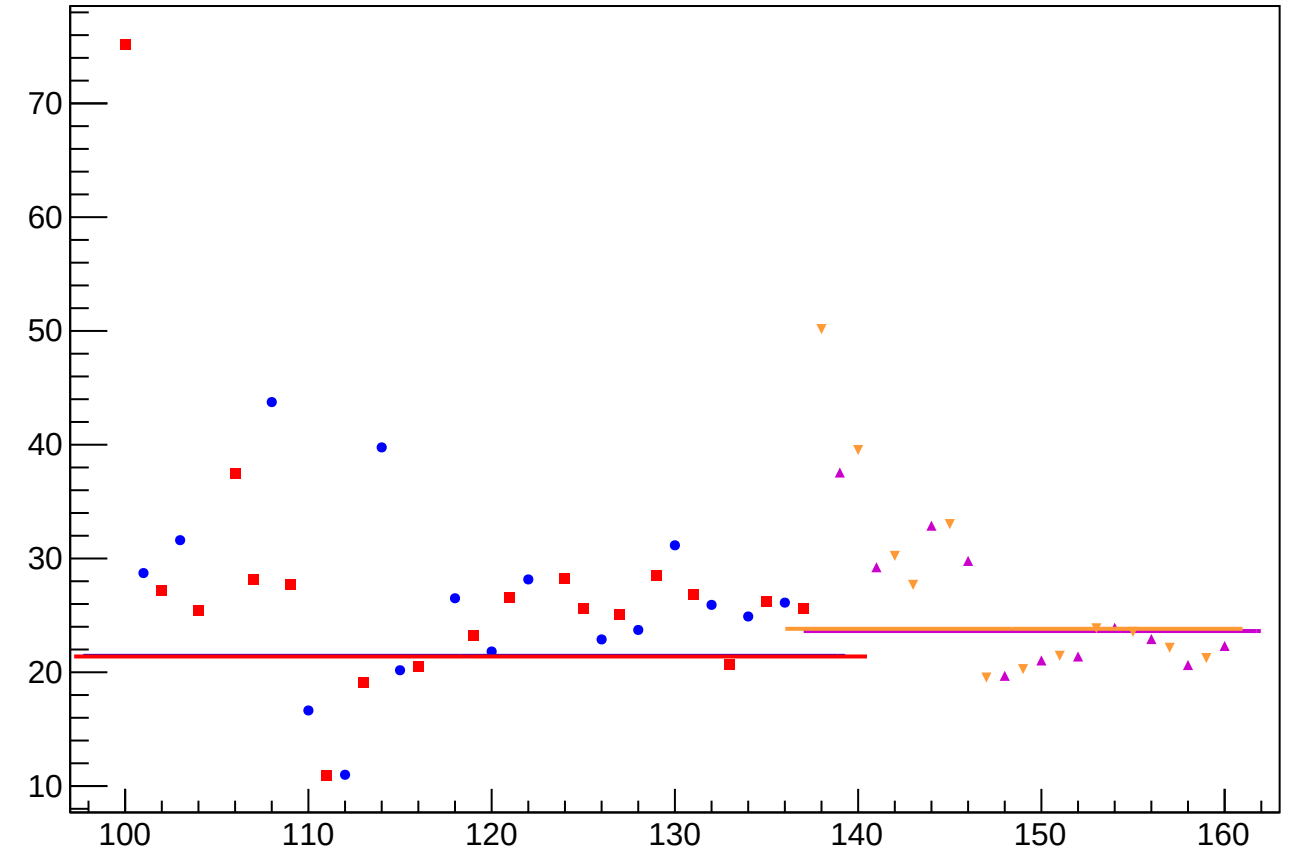
Left: -0.005+/-0.006 χ^2/NDF: 25.7/22

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 71.2/57



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: 23.624+/-0.006 χ^2/NDF:652154.9/10

Left: 23.720+/-0.004 χ^2/NDF: 1657787.5/22

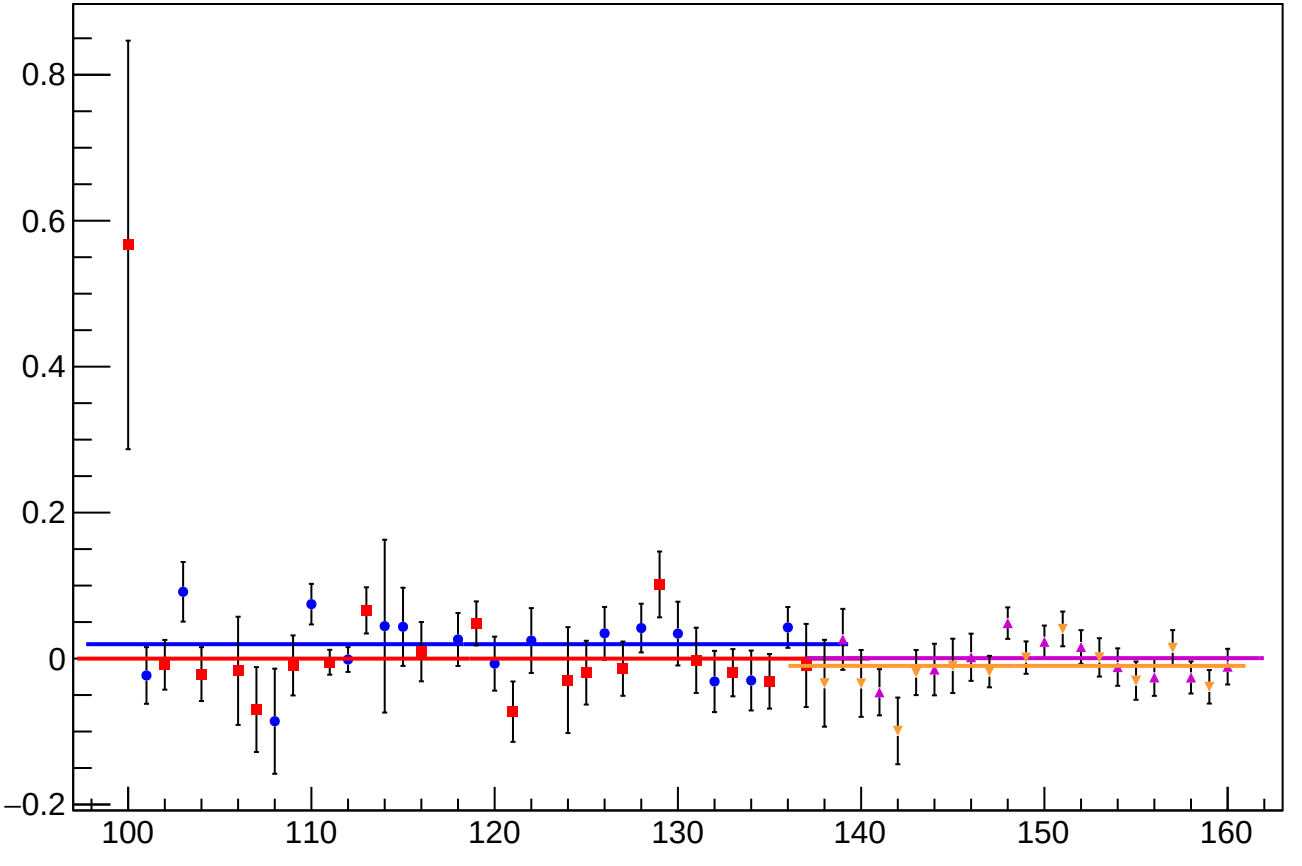
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.642+/-0.004 χ^2/NDF:2262382.3/26

Out: 22.673+/-0.004 χ^2/NDF:2403444.1/30

All: 22.658+/-0.003 χ^2/NDF: 4665854.5/57

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: 0.001+/-0.008 χ^2/NDF:12.2/10

Left: -0.005+/-0.006 χ^2/NDF: 25.7/22

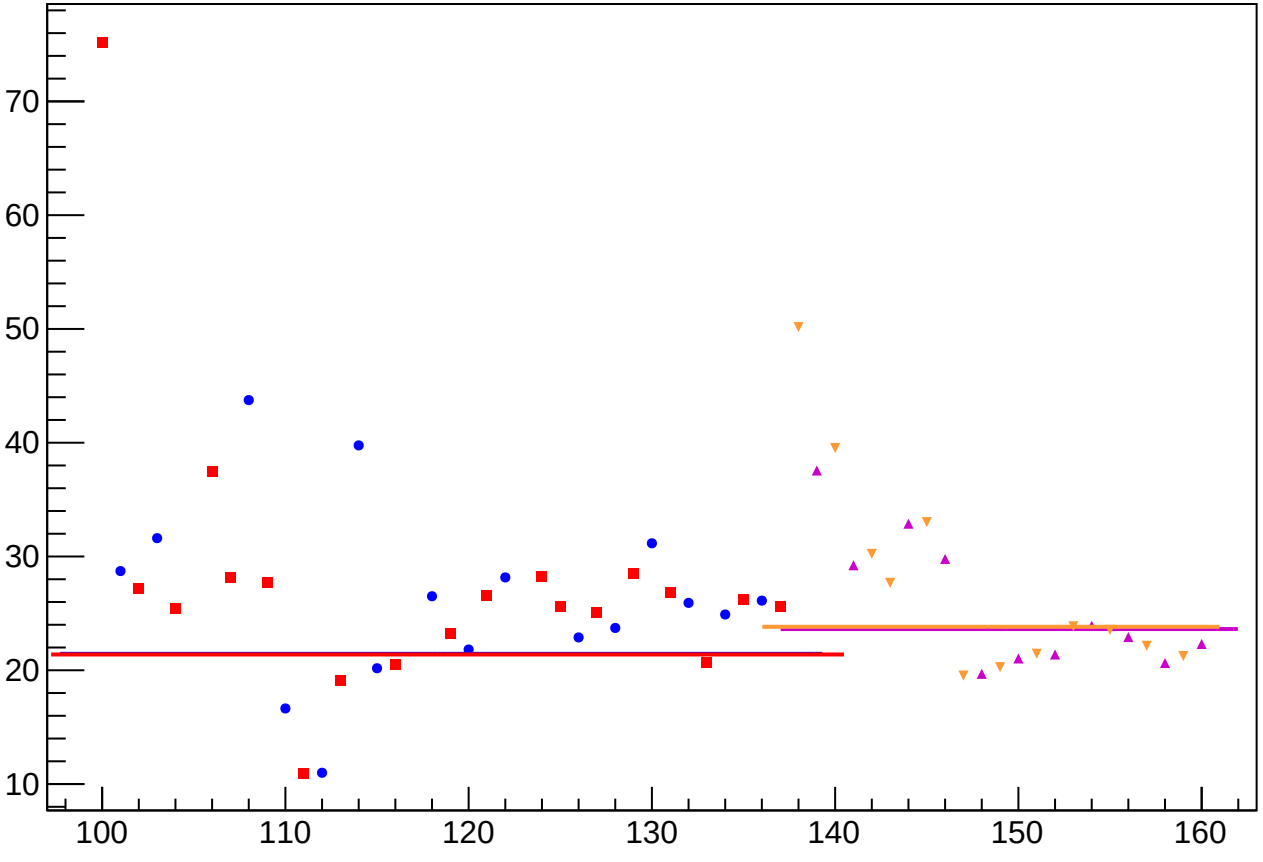
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.005+/-0.006 χ^2/NDF:36.2/30

All: 0.002+/-0.004 χ^2/NDF: 71.2/57

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: 23.624+/-0.006 χ^2/NDF:652154.9/10

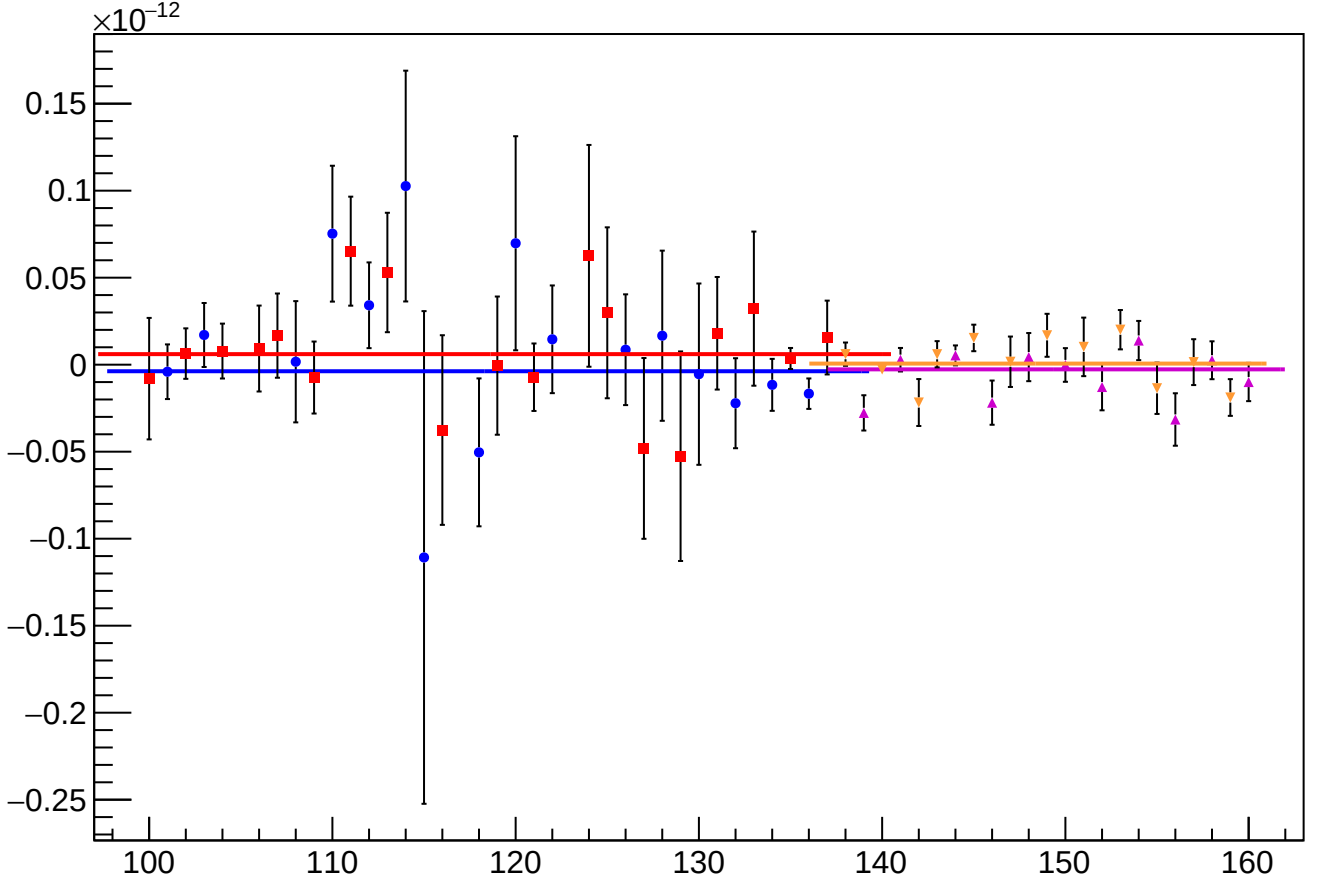
Left: 23.720+/-0.004 χ^2/NDF: 1657787.5/22

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.642+/-0.004 χ^2/NDF:2262382.3/26

Out: 22.673+/-0.004 χ^2/NDF:2403444.1/30

All: 22.658+/-0.003 χ^2/NDF: 4665854.5/57



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:18.4/10

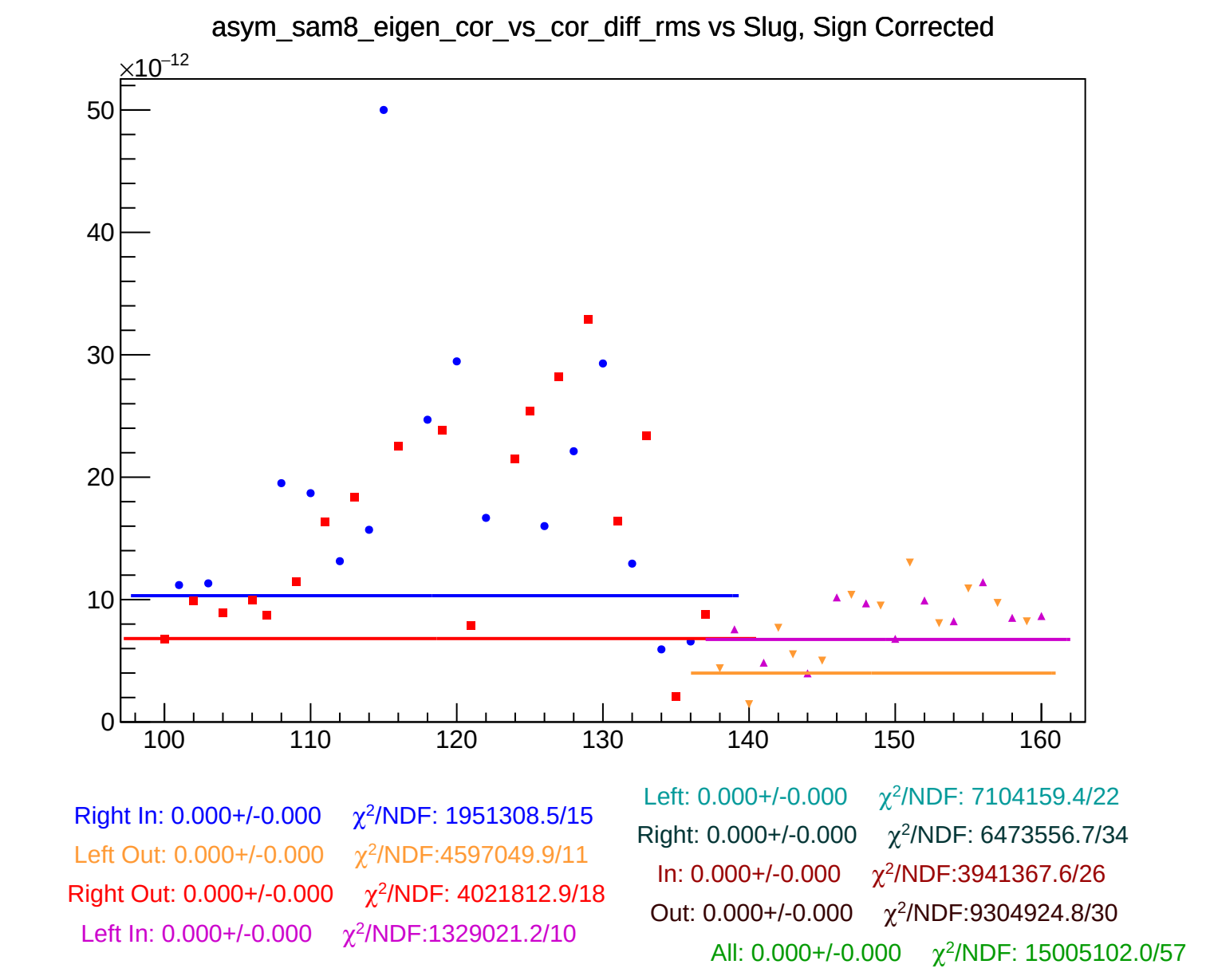
Left: -0.000+/-0.000 χ^2/NDF: 37.7/22

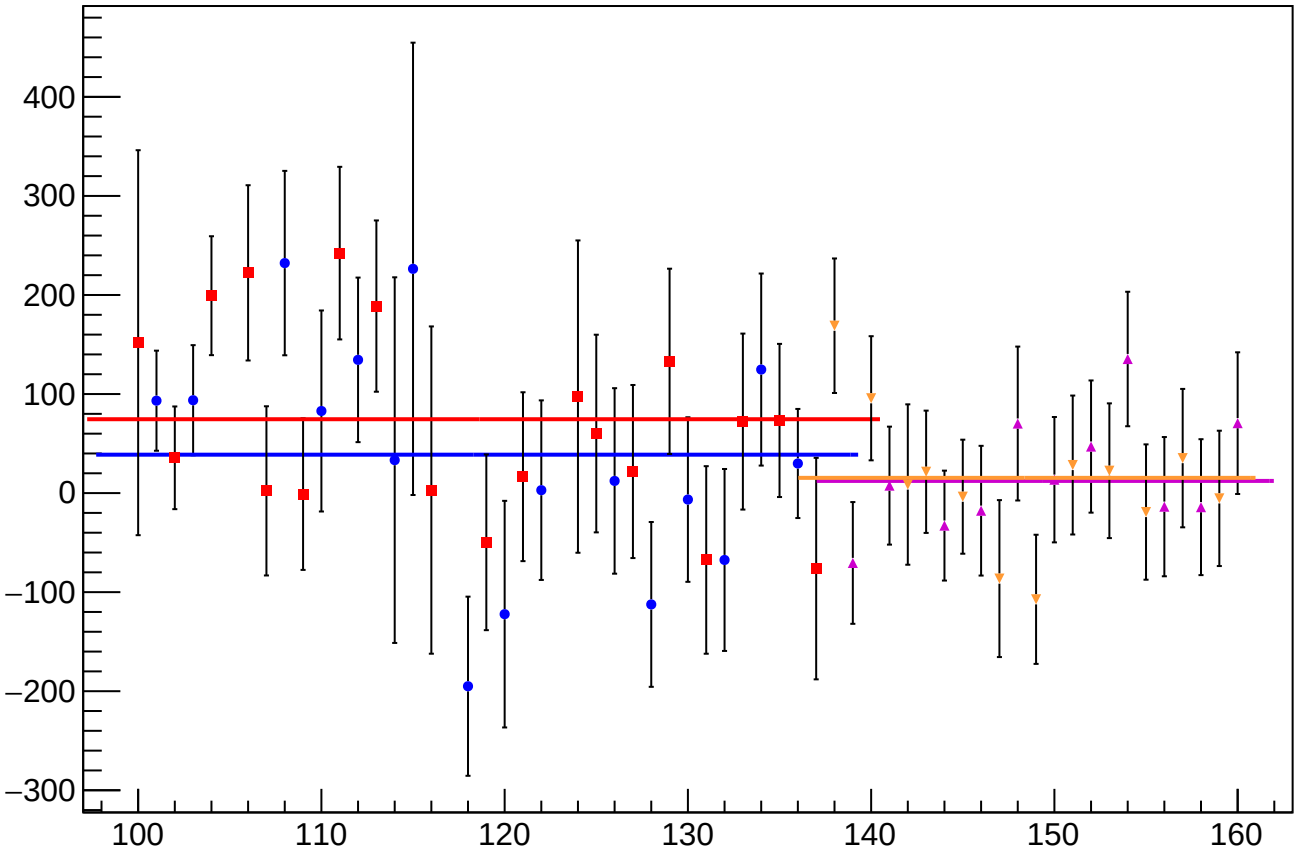
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:35.6/26

Out: 0.000+/-0.000 χ^2/NDF:31.0/30

All: 0.000+/-0.000 χ^2/NDF: 68.7/57


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:1329021.2/10
Left: 0.000+/-0.000 χ²/NDF: 7104159.4/22
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3941367.6/26
Out: 0.000+/-0.000 χ²/NDF:9304924.8/30
All: 0.000+/-0.000 χ²/NDF: 15005102.0/57



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: 12.291+/-19.718 χ^2/NDF:7.8/10

Left: 13.855+/-13.857 χ^2/NDF: 20.3/22

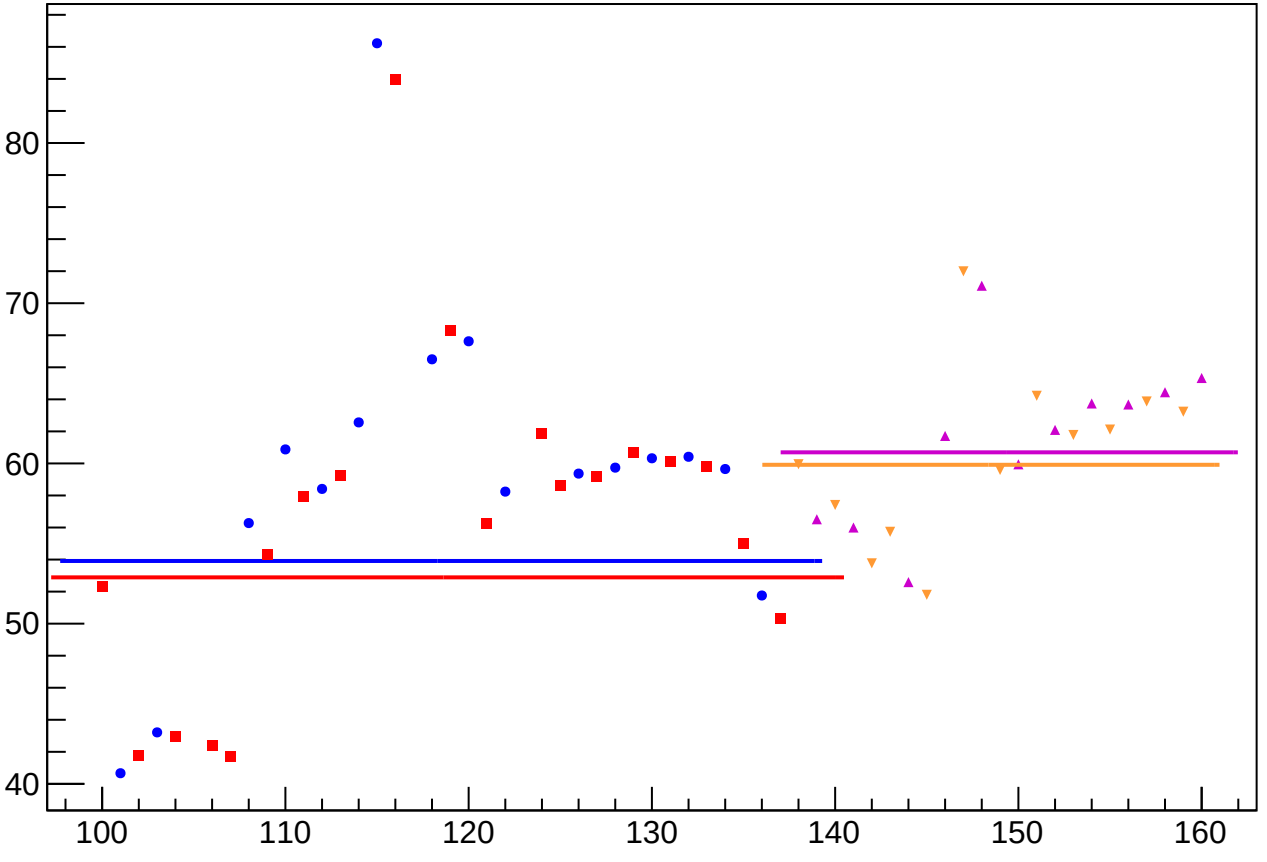
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.078+/-14.182 χ^2/NDF:31.9/26

Out: 44.492+/-13.886 χ^2/NDF:39.5/30

All: 34.990+/-9.922 χ^2/NDF: 72.4/57

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: 60.693+/-0.014 χ^2/NDF:123804.6/10

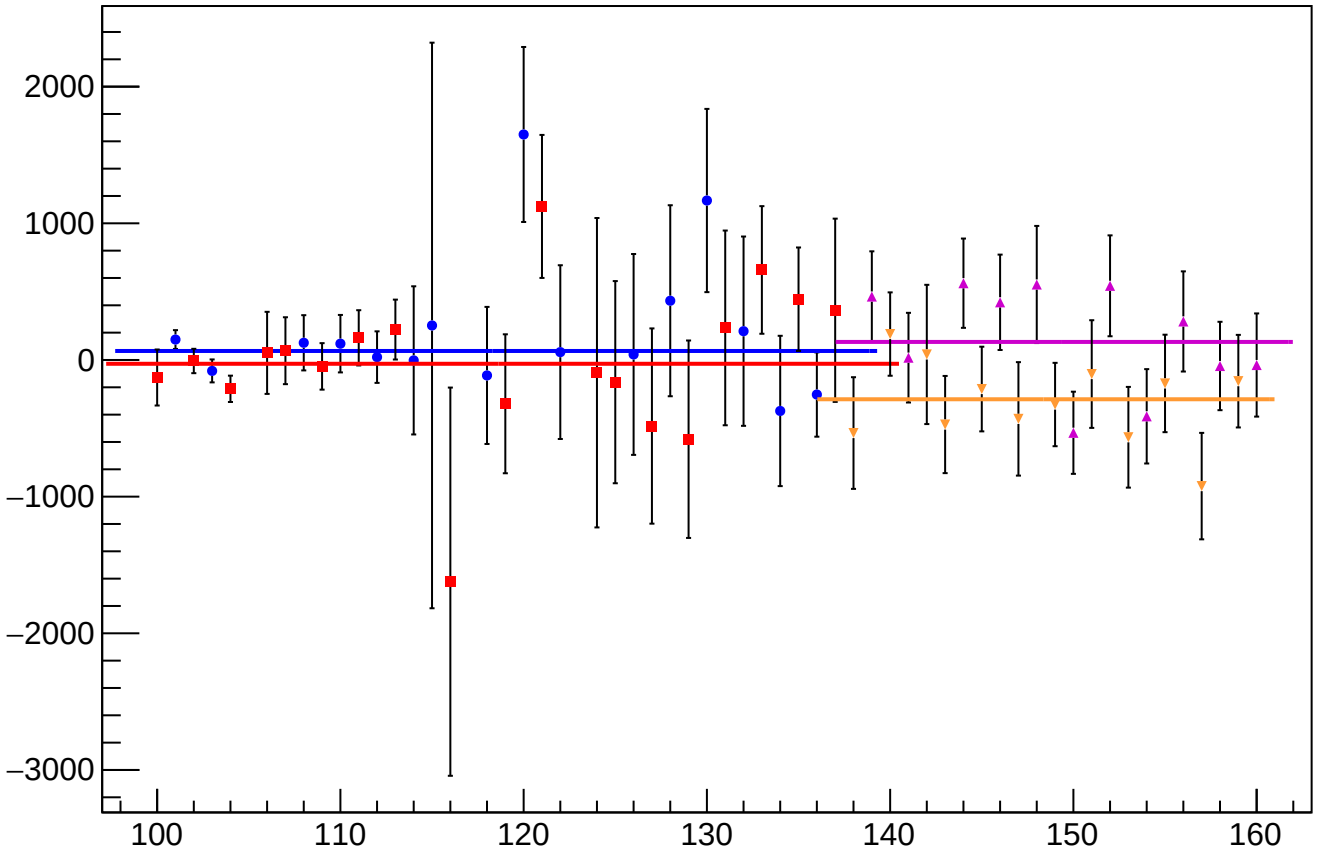
Left: 60.299+/-0.010 χ^2/NDF: 257773.7/22

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 57.420+/-0.010 χ^2/NDF:631231.4/26

Out: 56.460+/-0.010 χ^2/NDF:685600.7/30

All: 56.930+/-0.007 χ^2/NDF: 1321511.8/57



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -287.488+/-104.001 χ^2/NDF:7.4/11

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 132.025+/-104.099 χ^2/NDF:13.8/10

Left: -77.929+/-73.574 χ^2/NDF: 29.3/22

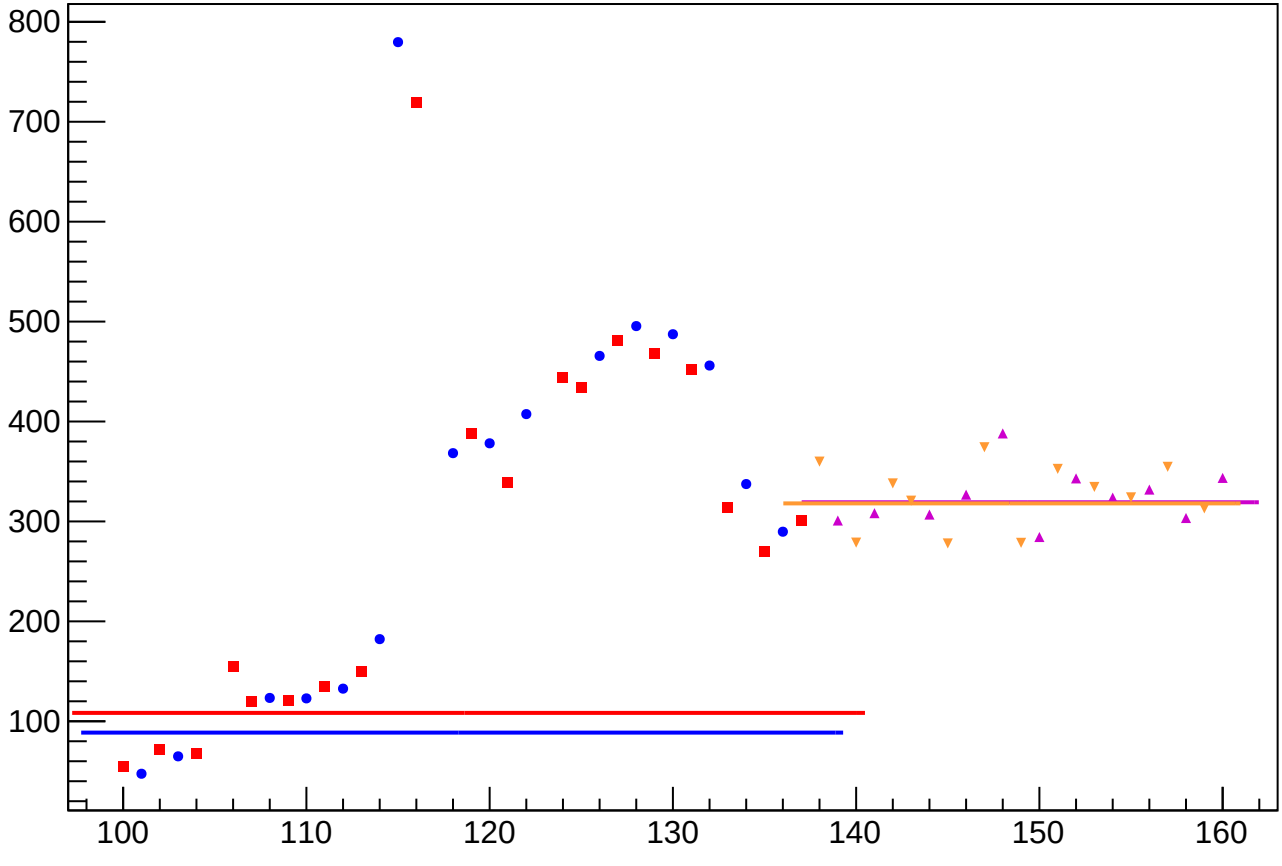
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 76.852+/-42.440 χ^2/NDF:29.8/26

Out: -77.056+/-45.276 χ^2/NDF:30.4/30

All: 4.867+/-30.964 χ^2/NDF: 66.4/57

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: 319.179+/-0.074 χ^2/NDF:114767.4/10

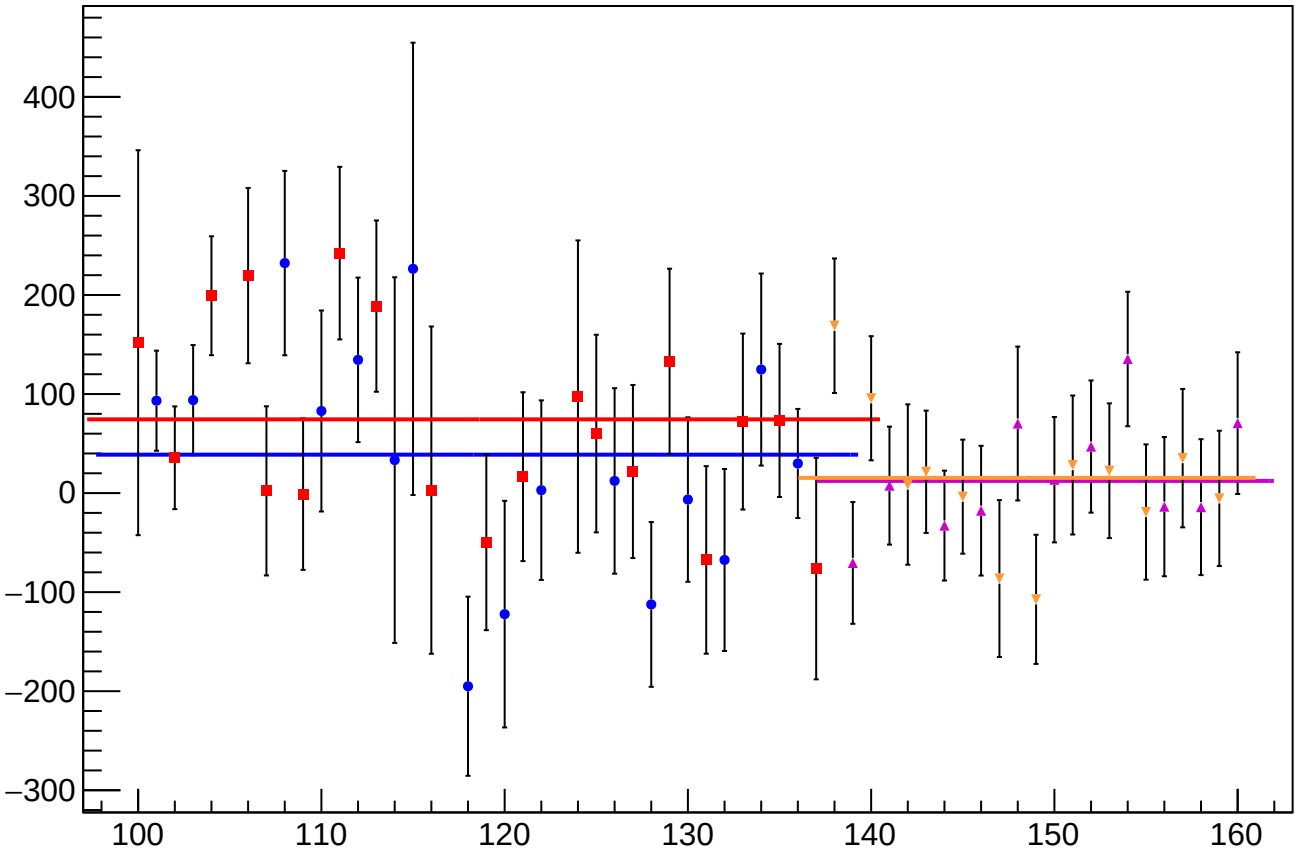
Left: 318.614+/-0.052 χ^2/NDF: 313795.4/22

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 126.973+/-0.030 χ^2/NDF:14940160.8/26

Out: 148.121+/-0.032 χ^2/NDF:12149717.6/30

All: 136.864+/-0.022 χ^2/NDF: 27322135.1/57



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: 12.292+/-19.718 χ^2/NDF:7.8/10

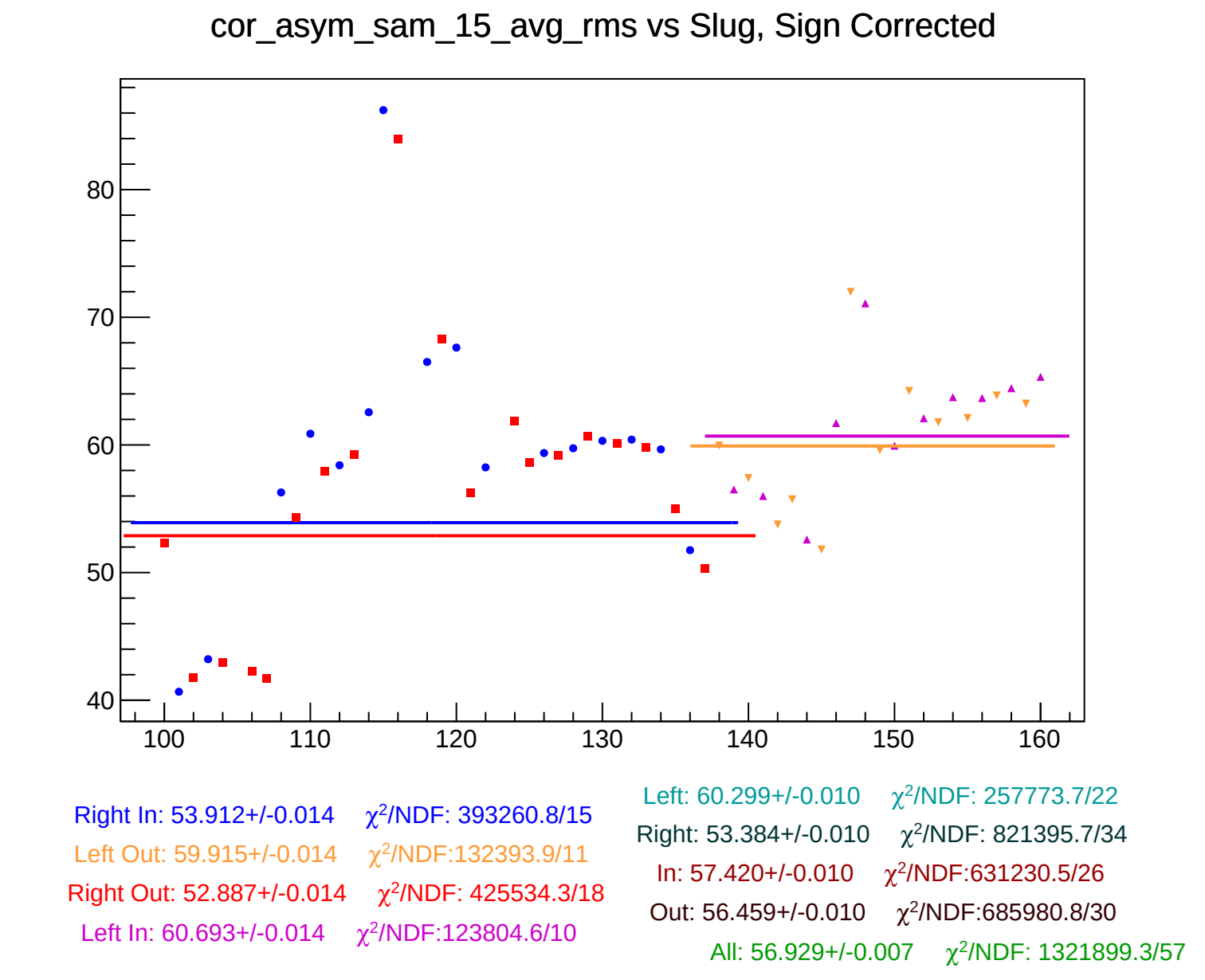
Left: 13.855+/-13.857 χ^2/NDF: 20.3/22

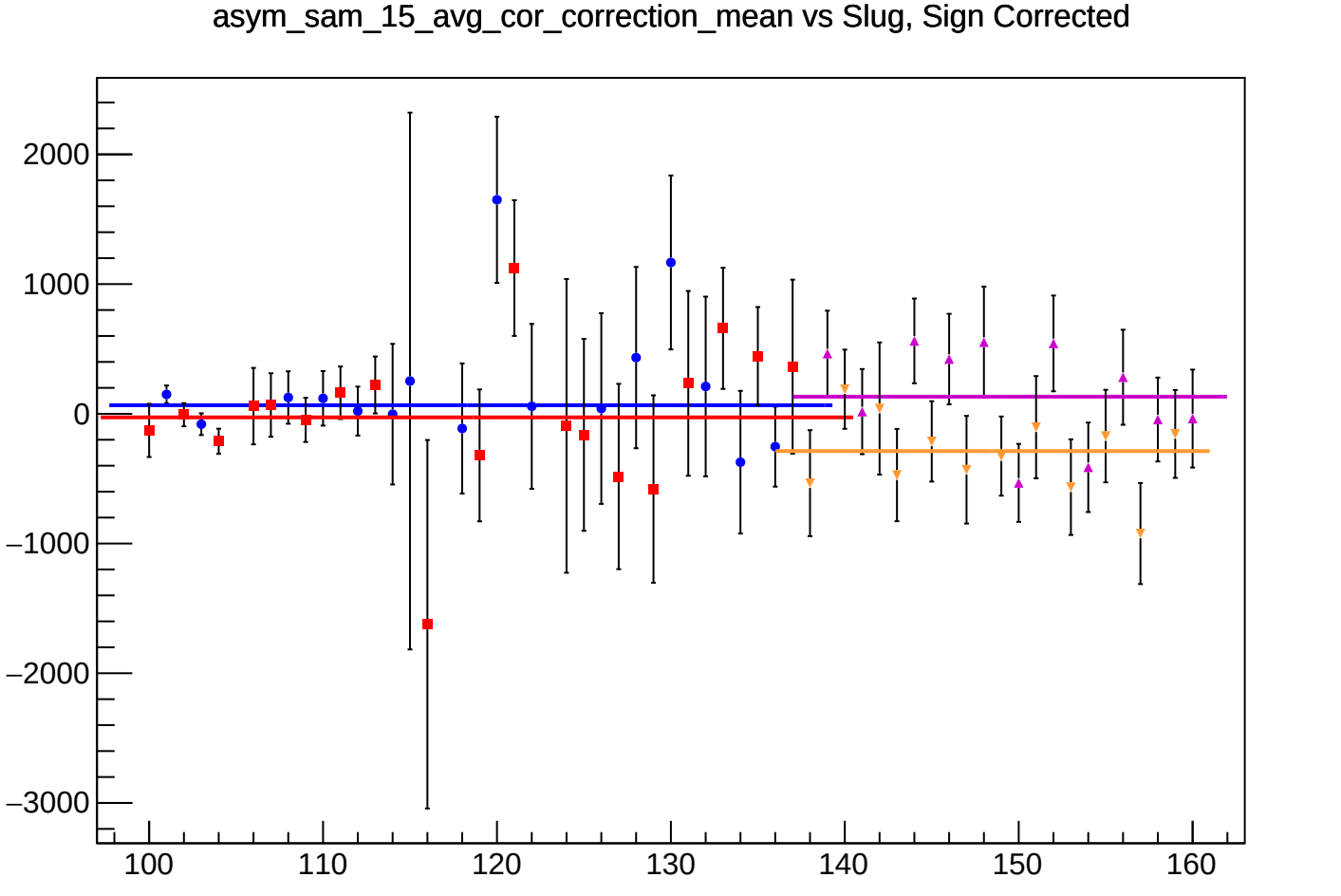
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.084+/-14.182 χ^2/NDF:31.9/26

Out: 44.423+/-13.887 χ^2/NDF:39.4/30

All: 34.957+/-9.922 χ^2/NDF: 72.3/57


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: 60.693+/-0.014 χ²/NDF:123804.6/10
Left: 60.299+/-0.010 χ²/NDF: 257773.7/22
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 57.420+/-0.010 χ²/NDF:631230.5/26
Out: 56.459+/-0.010 χ²/NDF:685980.8/30
All: 56.929+/-0.007 χ²/NDF: 1321899.3/57



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: 132.025+/-104.099 χ^2/NDF:13.8/10

Left: -77.930+/-73.574 χ^2/NDF: 29.3/22

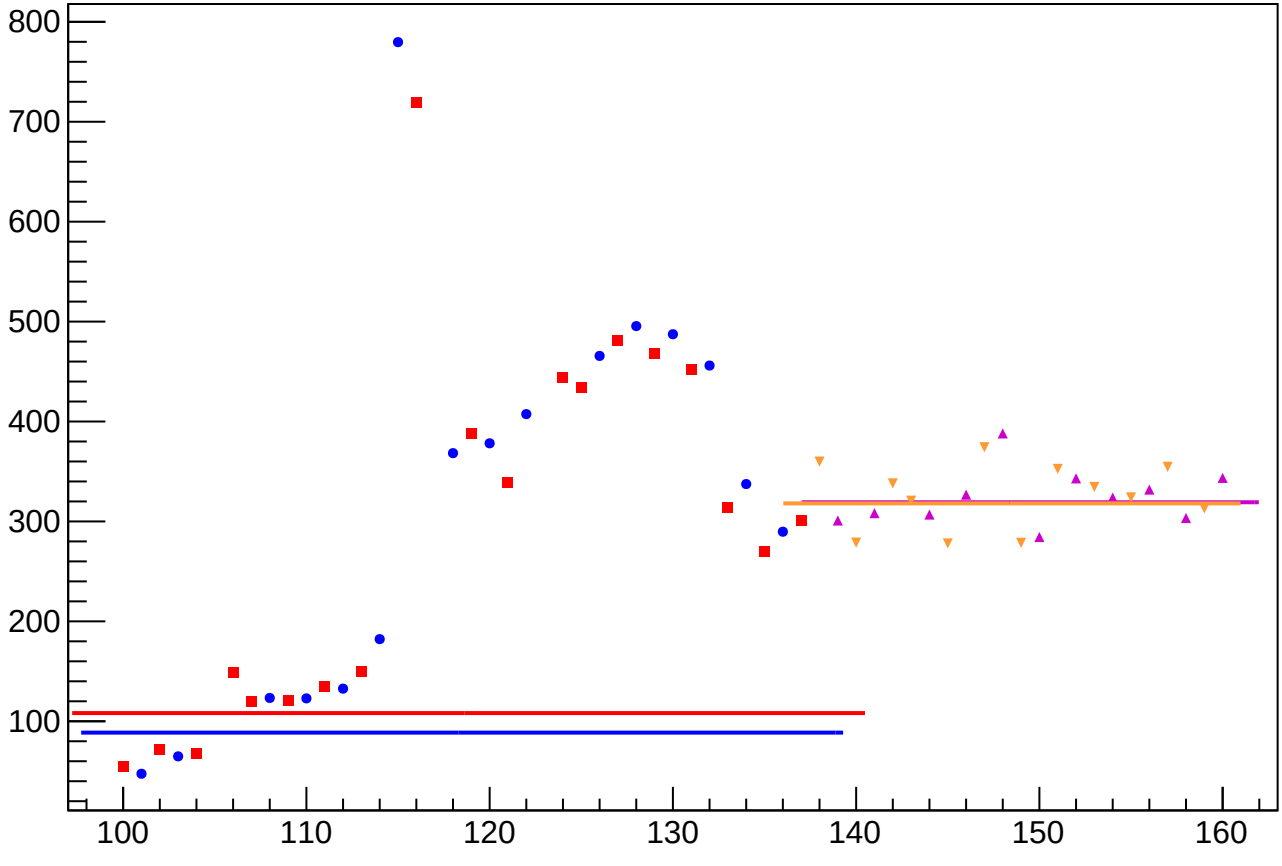
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 76.854+/-42.440 χ^2/NDF:29.8/26

Out: -76.629+/-45.244 χ^2/NDF:30.5/30

All: 5.017+/-30.953 χ^2/NDF: 66.4/57

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: 319.178+/-0.074 χ^2/NDF:114768.4/10

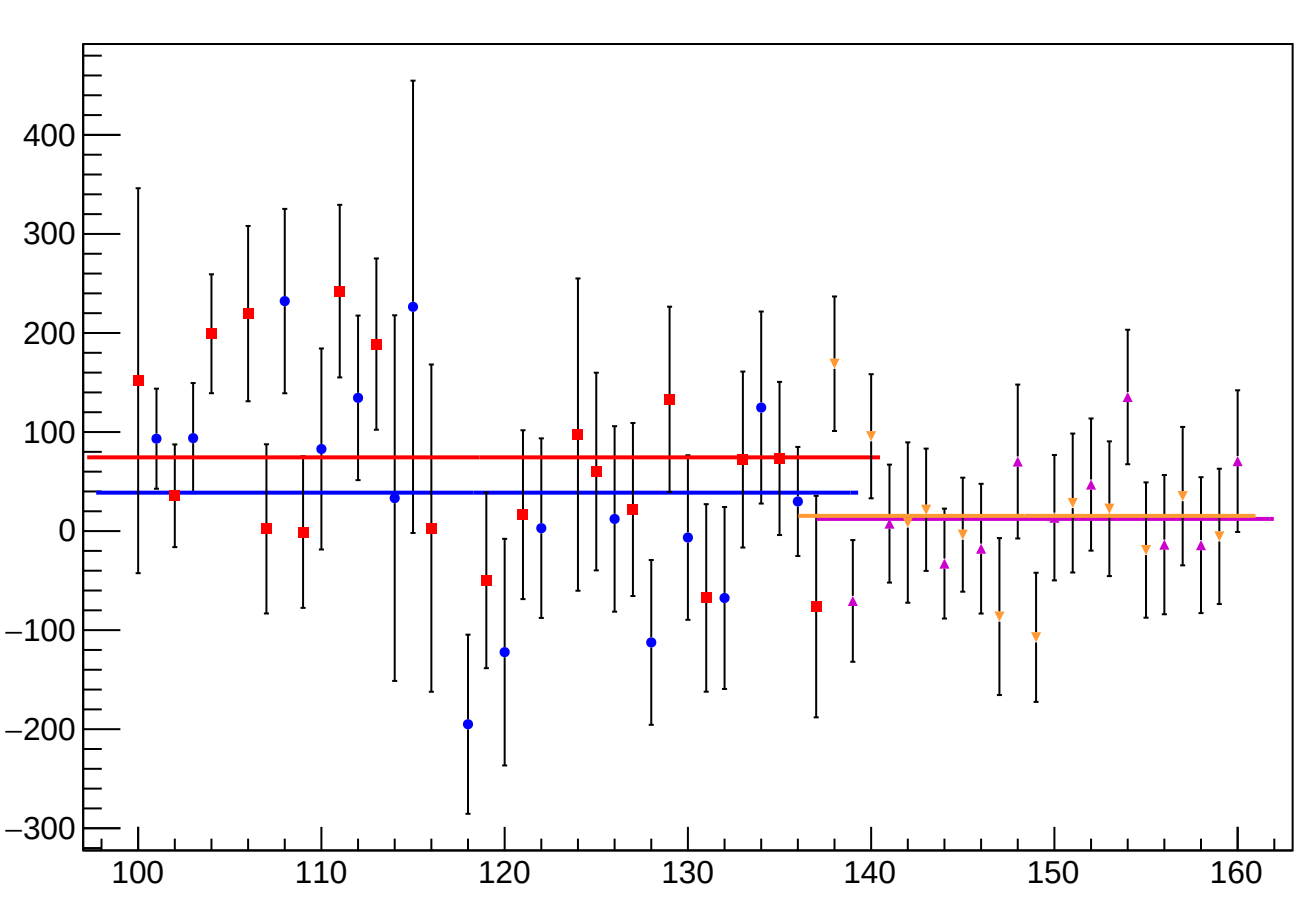
Left: 318.614+/-0.052 χ^2/NDF: 313796.5/22

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 126.970+/-0.030 χ^2/NDF:14940472.0/26

Out: 147.921+/-0.032 χ^2/NDF:12155098.0/30

All: 136.776+/-0.022 χ^2/NDF: 27323712.1/57



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: 12.292+/-19.718 χ^2/NDF:7.8/10

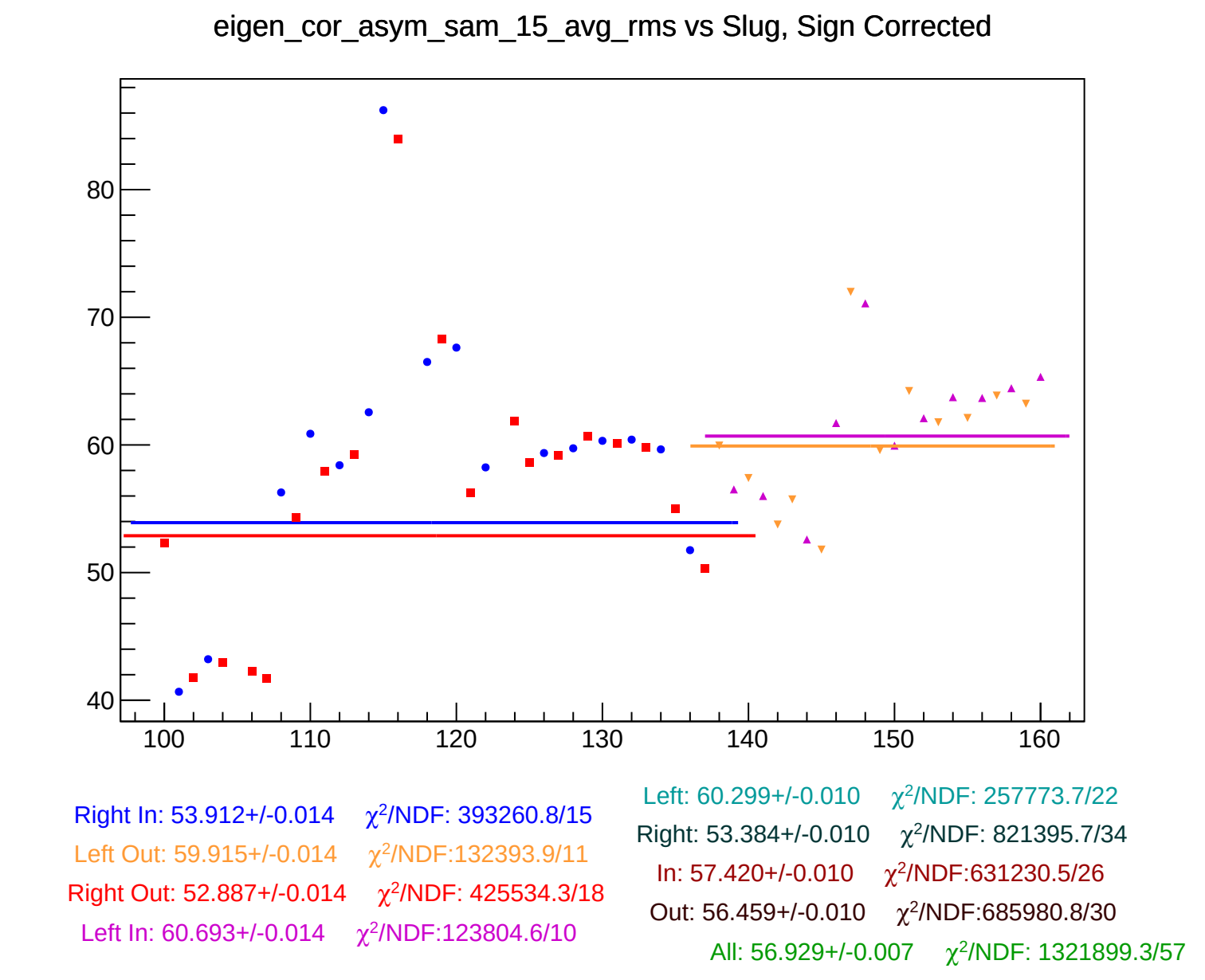
Left: 13.855+/-13.857 χ^2/NDF: 20.3/22

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

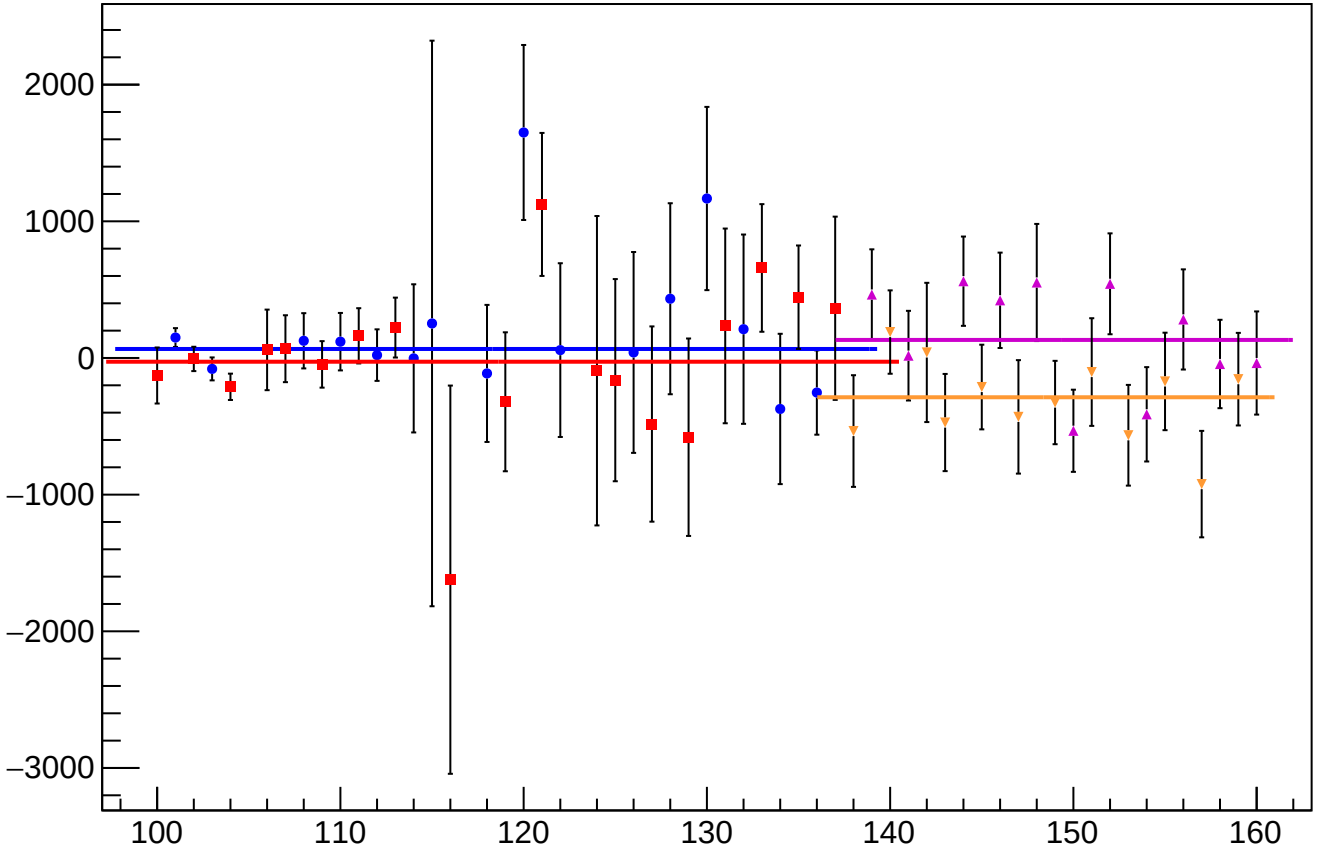
In: 25.084+/-14.182 χ^2/NDF:31.9/26

Out: 44.423+/-13.887 χ^2/NDF:39.4/30

All: 34.957+/-9.922 χ^2/NDF: 72.3/57


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: 60.693+/-0.014 χ²/NDF:123804.6/10
Left: 60.299+/-0.010 χ²/NDF: 257773.7/22
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 57.420+/-0.010 χ²/NDF:631230.5/26
Out: 56.459+/-0.010 χ²/NDF:685980.8/30
All: 56.929+/-0.007 χ²/NDF: 1321899.3/57

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: 132.025+/-104.099 χ^2/NDF:13.8/10

Left: -77.930+/-73.574 χ^2/NDF: 29.3/22

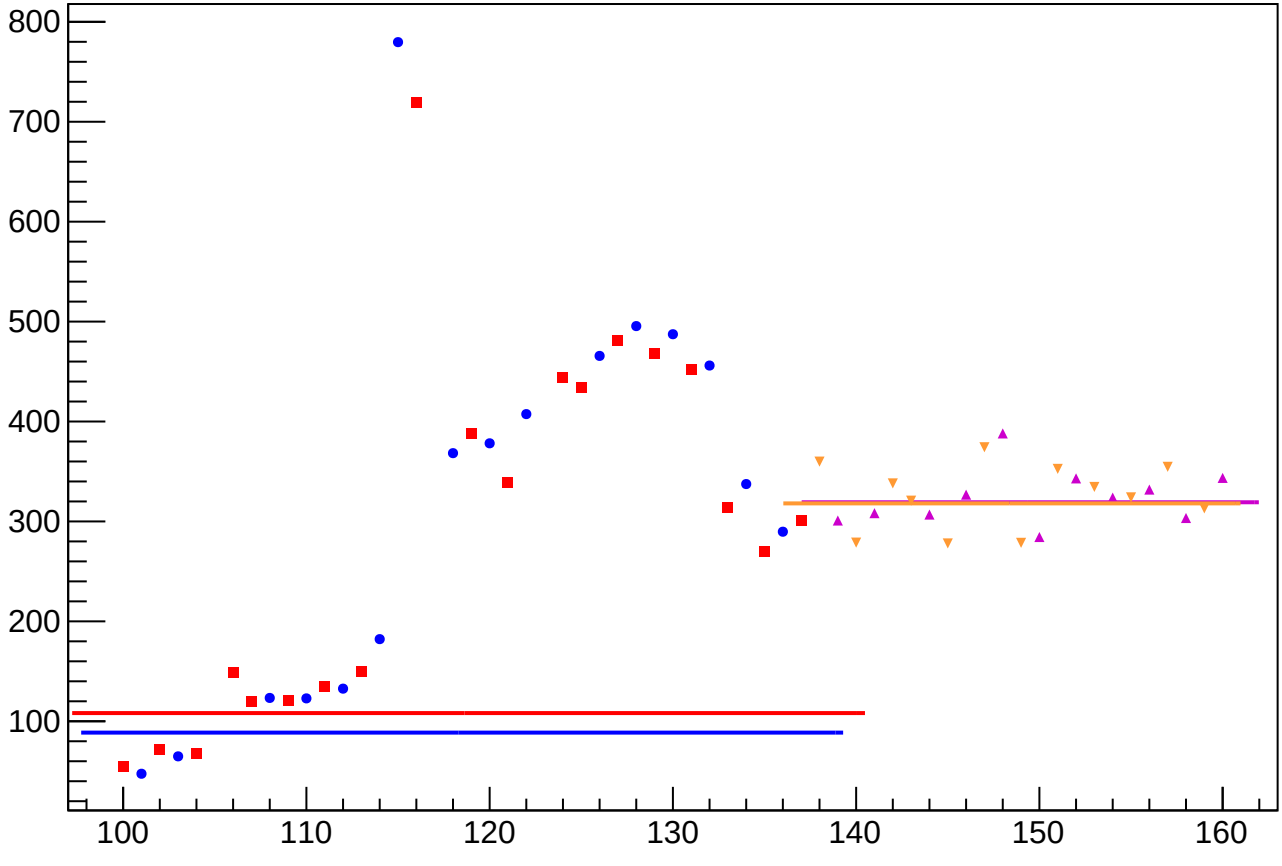
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 76.854+/-42.440 χ^2/NDF:29.8/26

Out: -76.629+/-45.244 χ^2/NDF:30.5/30

All: 5.017+/-30.953 χ^2/NDF: 66.4/57

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: 319.178+/-0.074 χ^2/NDF:114768.4/10

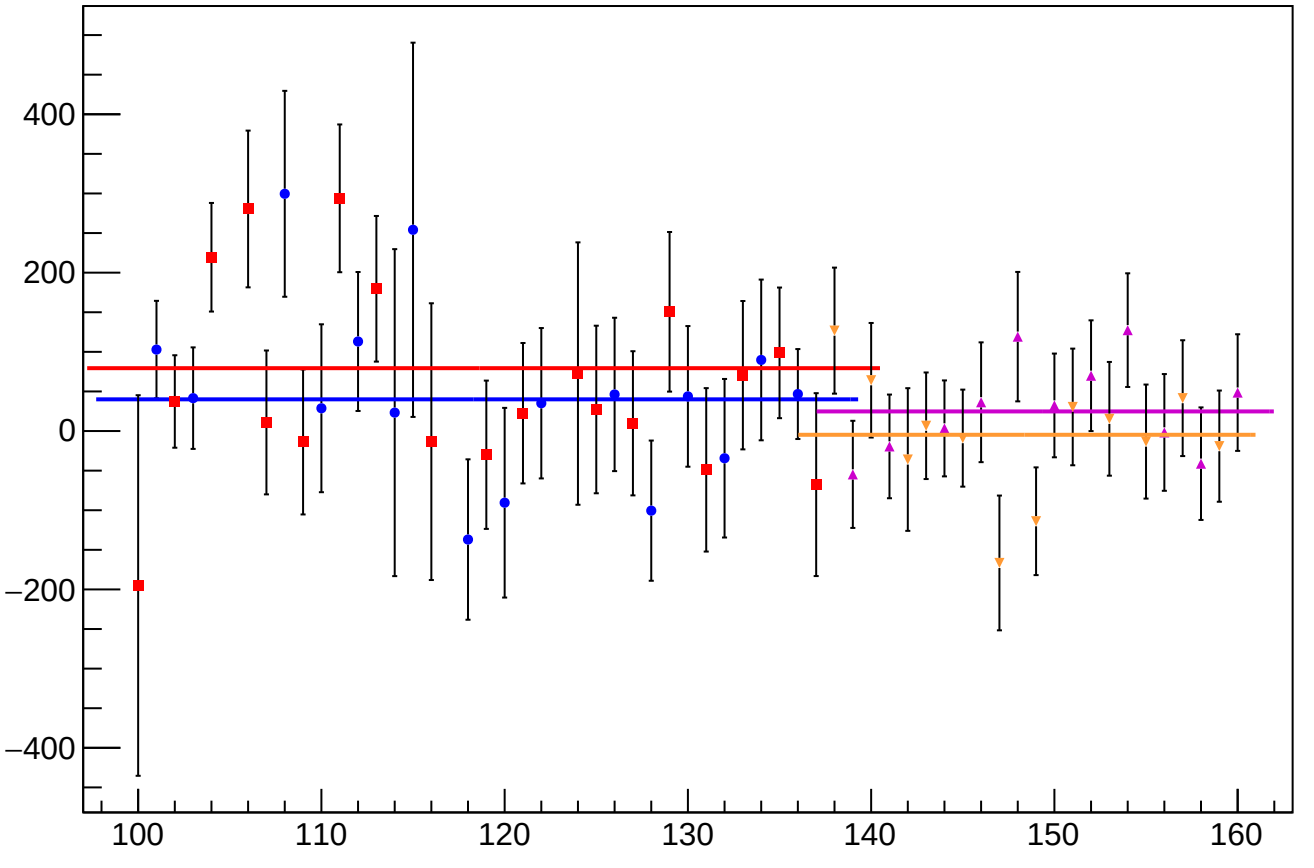
Left: 318.614+/-0.052 χ^2/NDF: 313796.5/22

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 126.970+/-0.030 χ^2/NDF:14940472.0/26

Out: 147.921+/-0.032 χ^2/NDF:12155098.0/30

All: 136.776+/-0.022 χ^2/NDF: 27323712.1/57



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: 24.766+/-21.095 χ^2/NDF:6.9/10

Left: 9.928+/-14.871 χ^2/NDF: 18.6/22

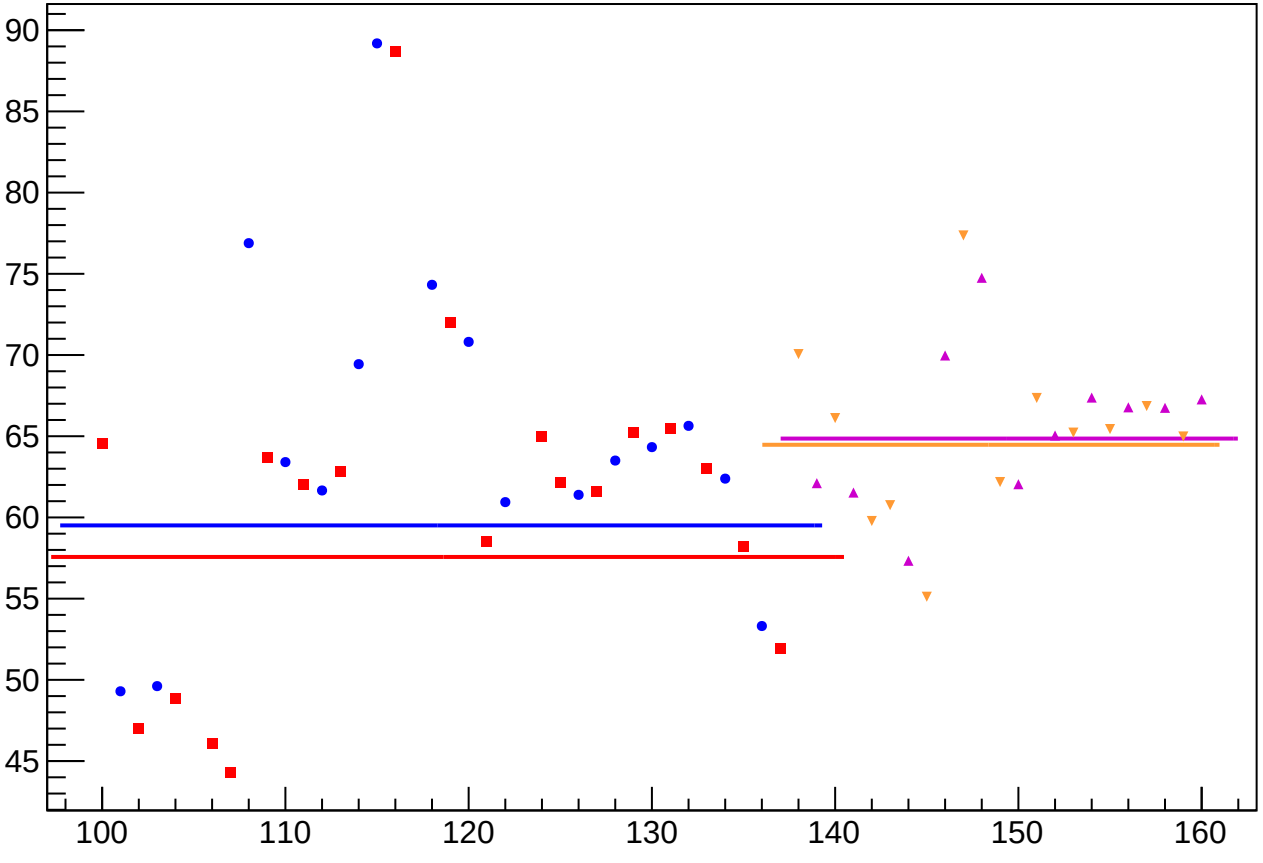
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 31.902+/-15.394 χ^2/NDF:21.3/26

Out: 36.118+/-15.037 χ^2/NDF:43.4/30

All: 34.059+/-10.757 χ^2/NDF: 64.7/57

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: 64.855+/-0.015 χ^2/NDF:88889.4/10

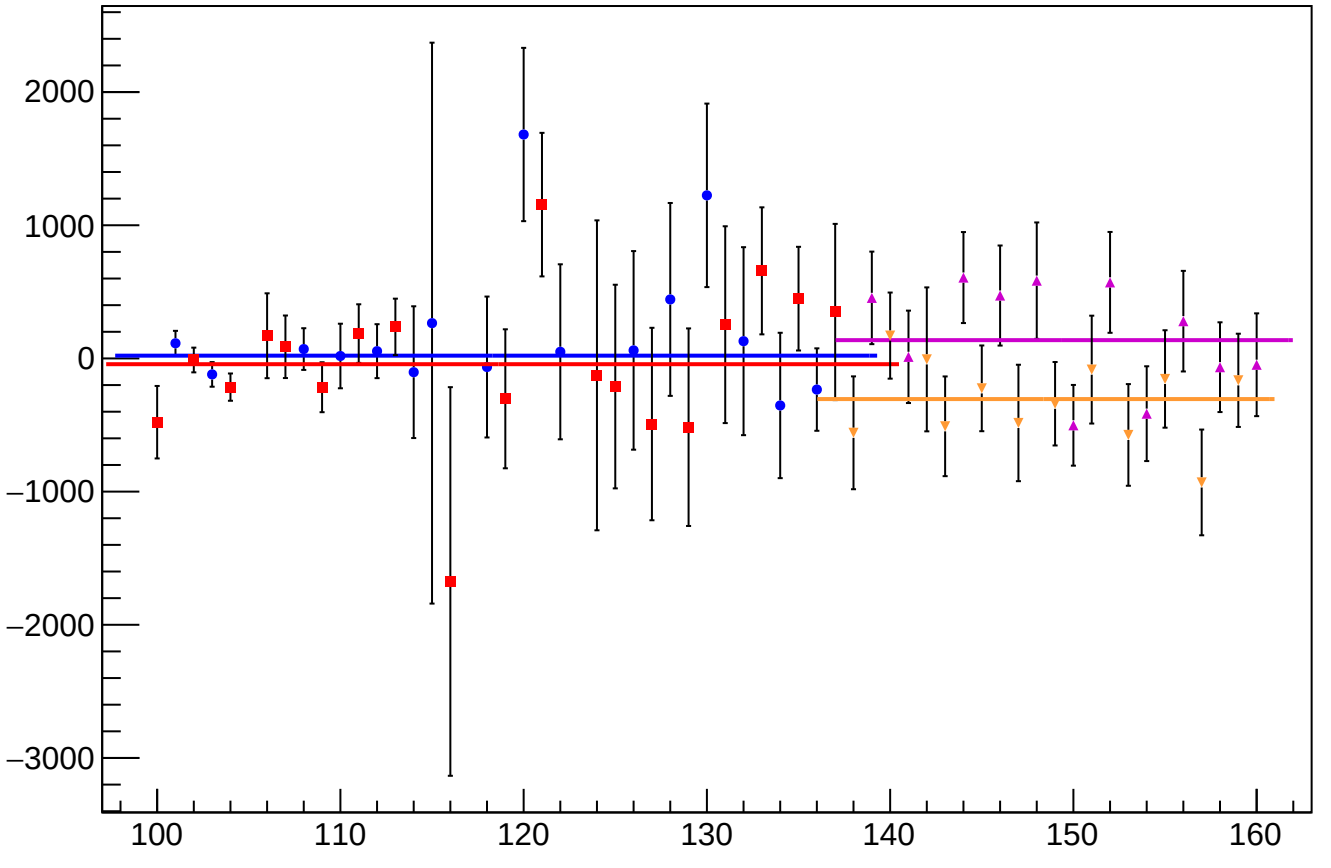
Left: 64.663+/-0.011 χ^2/NDF: 212327.7/22

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.356+/-0.011 χ^2/NDF:432144.2/26

Out: 61.119+/-0.011 χ^2/NDF:575886.3/30

All: 61.723+/-0.008 χ^2/NDF: 1014635.7/57



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: 137.330+/-107.982 χ^2/NDF:13.6/10

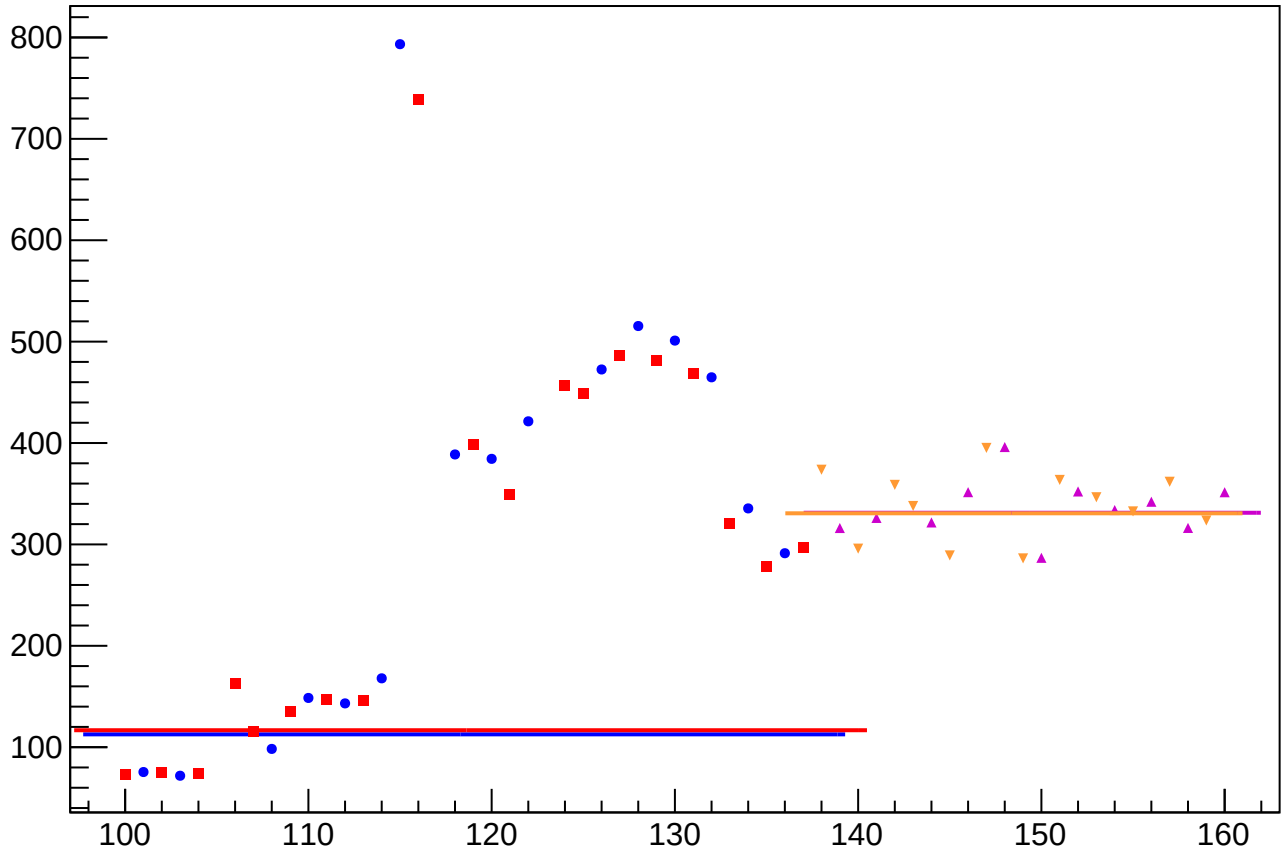
Left: -83.846+/-76.367 χ^2/NDF: 29.0/22

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.858+/-48.000 χ^2/NDF:29.2/26

Out: -94.406+/-47.733 χ^2/NDF:33.2/30

All: -25.660+/-33.846 χ^2/NDF: 66.6/57



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: 331.216+/-0.076 χ^2/NDF:115940.4/10

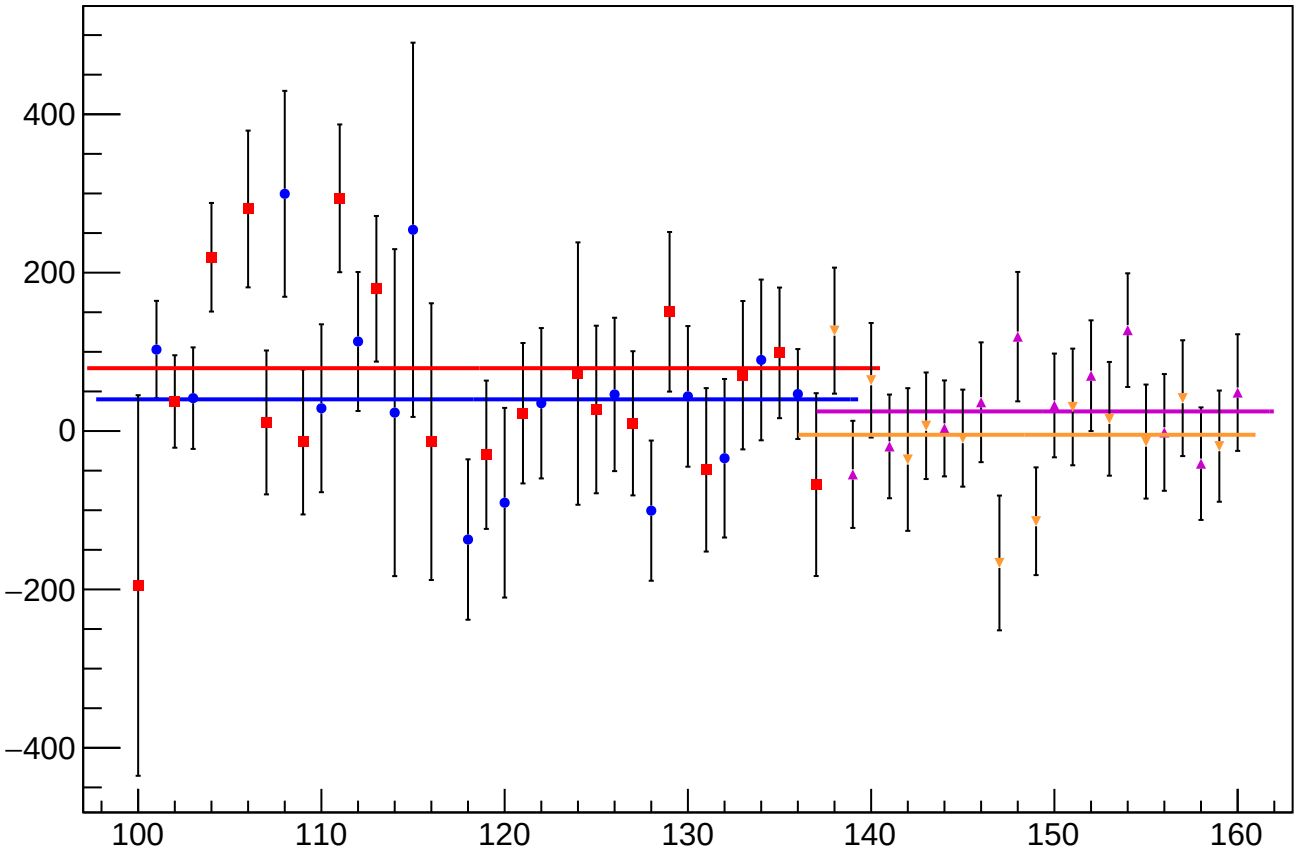
Left: 330.947+/-0.054 χ^2/NDF: 312871.6/22

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 155.853+/-0.034 χ^2/NDF:12289412.6/26

Out: 158.512+/-0.034 χ^2/NDF:11652272.9/30

All: 157.190+/-0.024 χ^2/NDF: 23944771.6/57



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: 24.766+/-21.095 χ^2/NDF:6.9/10

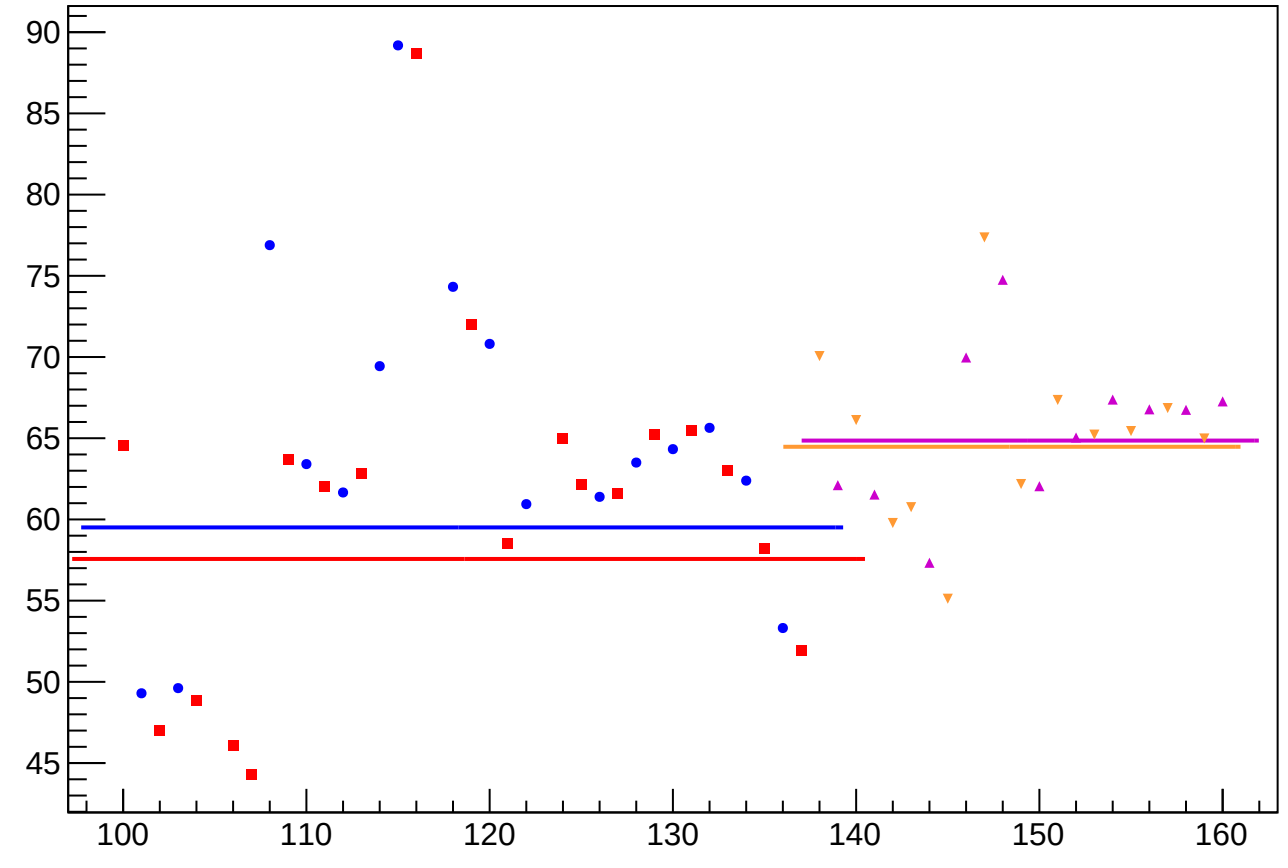
Left: 9.929+/-14.871 χ^2/NDF: 18.6/22

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 31.902+/-15.394 χ^2/NDF:21.3/26

Out: 36.118+/-15.037 χ^2/NDF:43.4/30

All: 34.059+/-10.757 χ^2/NDF: 64.7/57



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.474+/-0.015 χ^2/NDF:123111.7/11

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.856+/-0.015 χ^2/NDF:88888.3/10

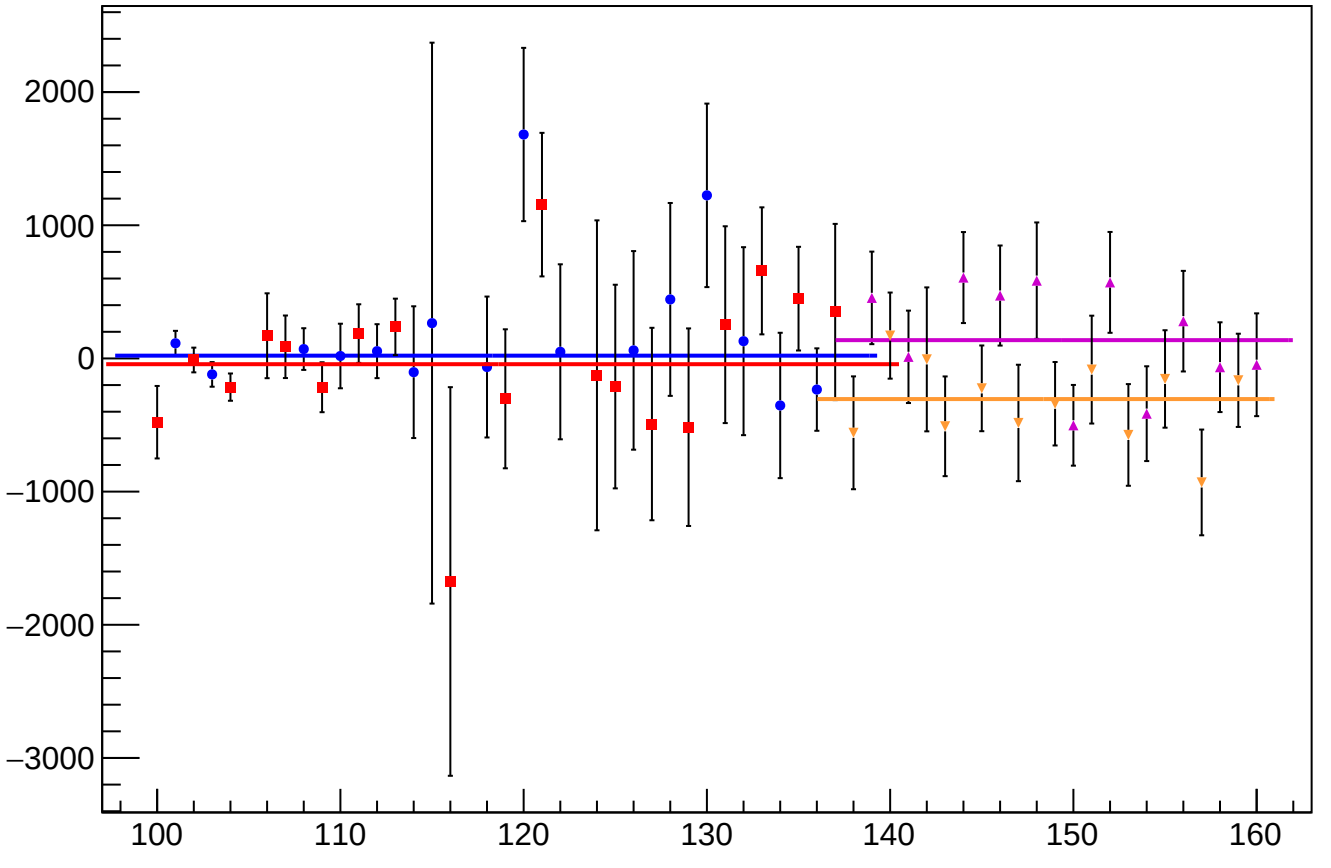
Left: 64.663+/-0.011 χ^2/NDF: 212329.9/22

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 62.356+/-0.011 χ^2/NDF:432146.8/26

Out: 61.119+/-0.011 χ^2/NDF:575892.3/30

All: 61.723+/-0.008 χ^2/NDF: 1014644.5/57



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: 137.330+/-107.982 χ^2/NDF:13.6/10

Left: -83.846+/-76.367 χ^2/NDF: 29.0/22

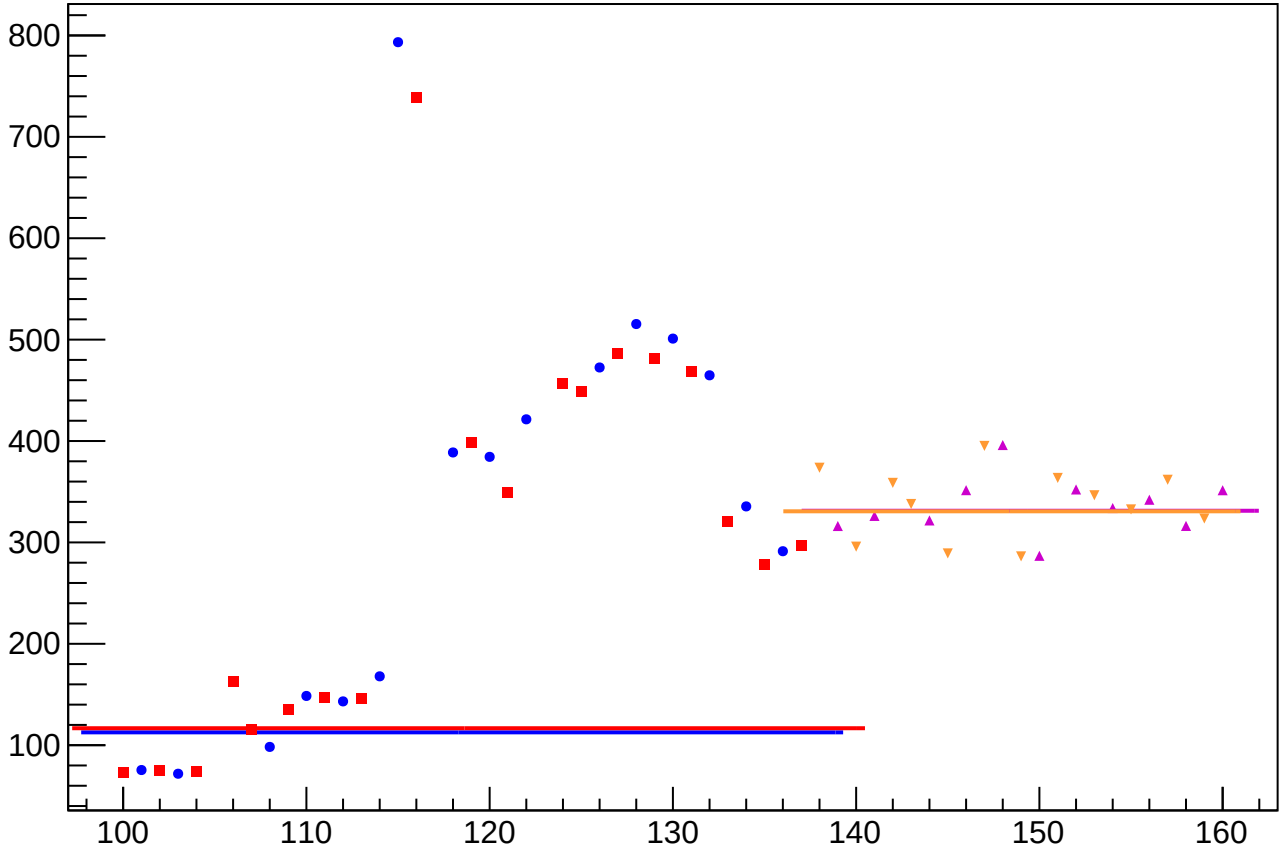
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.858+/-48.000 χ^2/NDF:29.2/26

Out: -94.405+/-47.733 χ^2/NDF:33.2/30

All: -25.660+/-33.846 χ^2/NDF: 66.6/57

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 330.679+/-0.076 χ^2/NDF:196907.4/11

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 331.217+/-0.076 χ^2/NDF:115940.2/10

Left: 330.948+/-0.054 χ^2/NDF: 312872.4/22

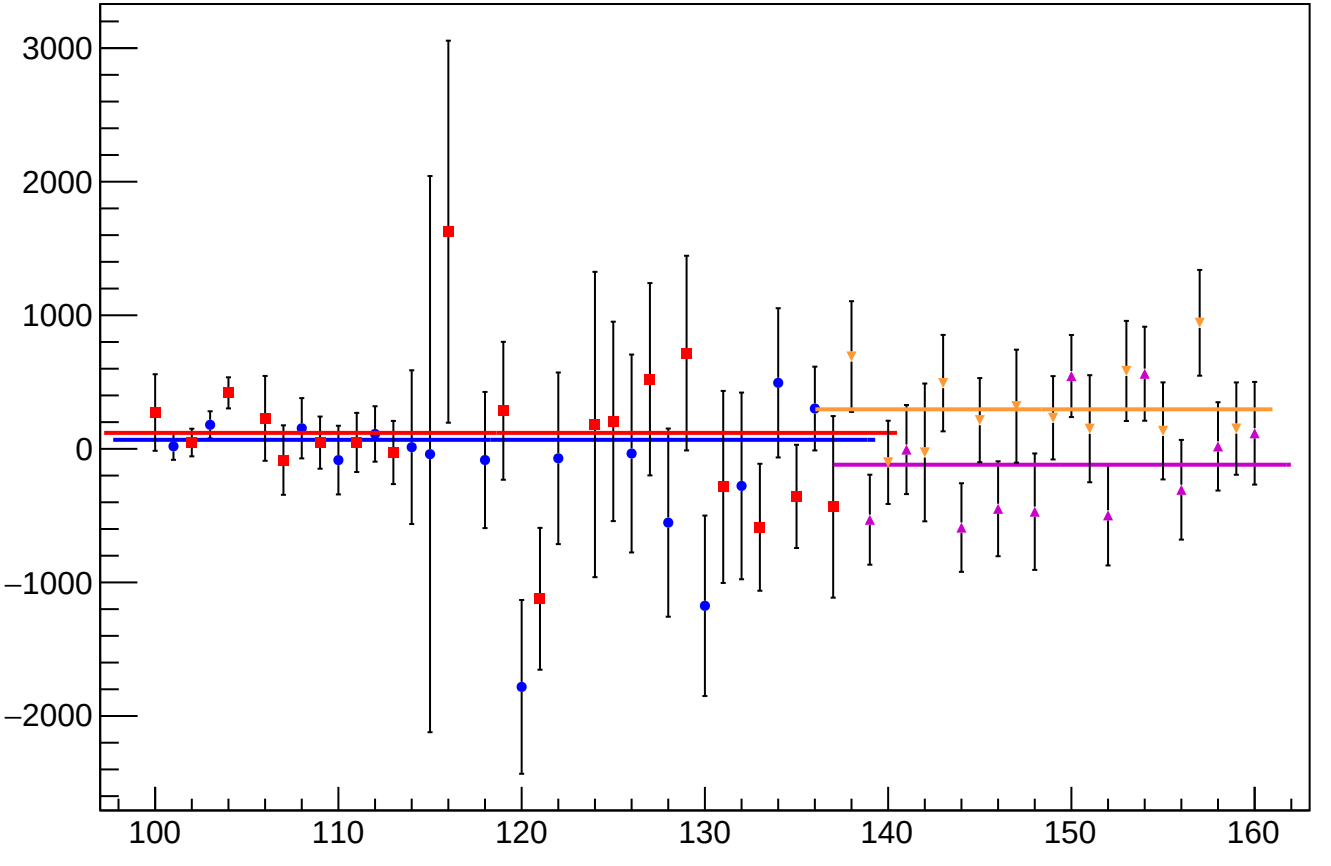
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 155.853+/-0.034 χ^2/NDF:12289452.1/26

Out: 158.511+/-0.034 χ^2/NDF:11652327.2/30

All: 157.189+/-0.024 χ^2/NDF: 23944864.9/57

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: -118.762+/-106.033 χ^2/NDF:15.4/10

Left: 88.906+/-74.929 χ^2/NDF: 30.1/22

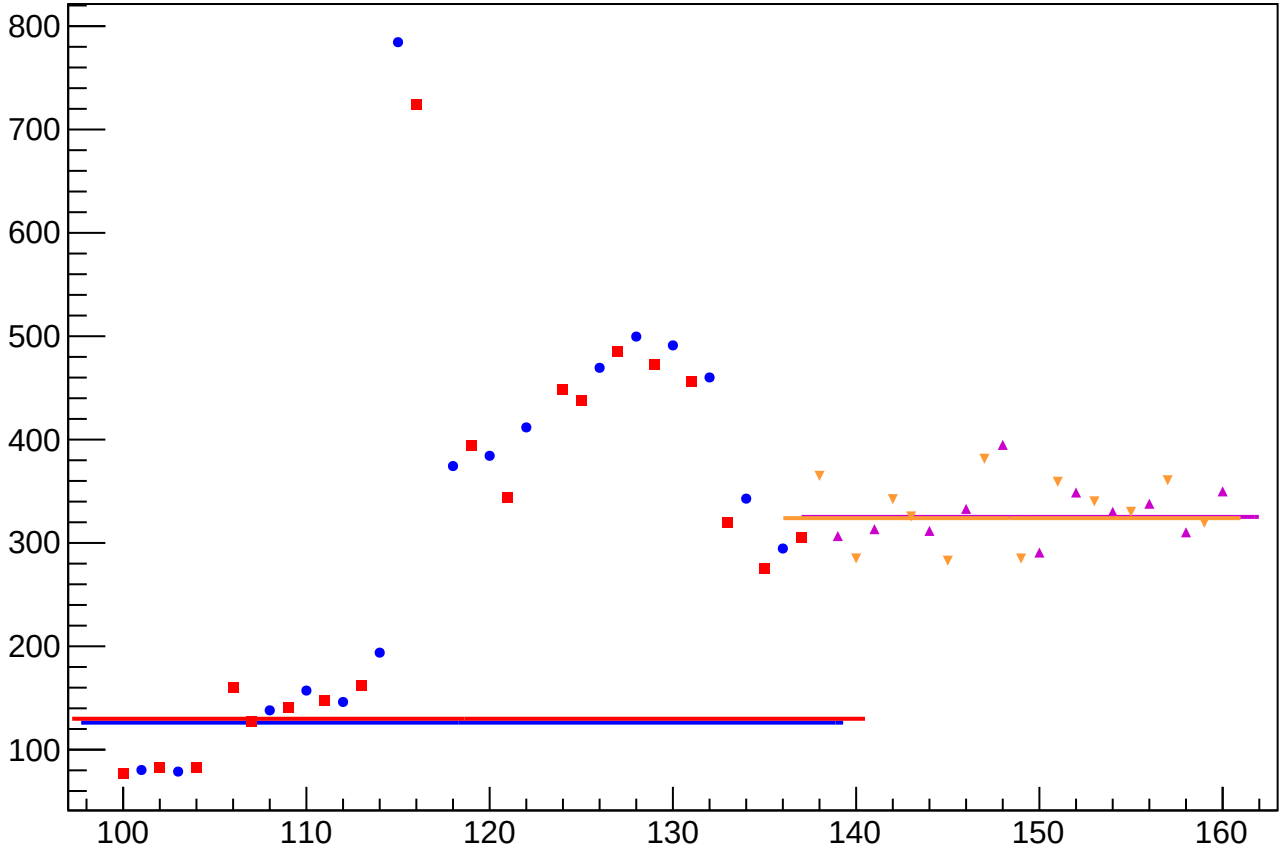
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 23.364+/-51.669 χ^2/NDF:33.5/26

Out: 160.279+/-50.830 χ^2/NDF:30.4/30

All: 92.941+/-36.235 χ^2/NDF: 67.4/57

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: 325.214+/-0.075 χ^2/NDF:112137.9/10

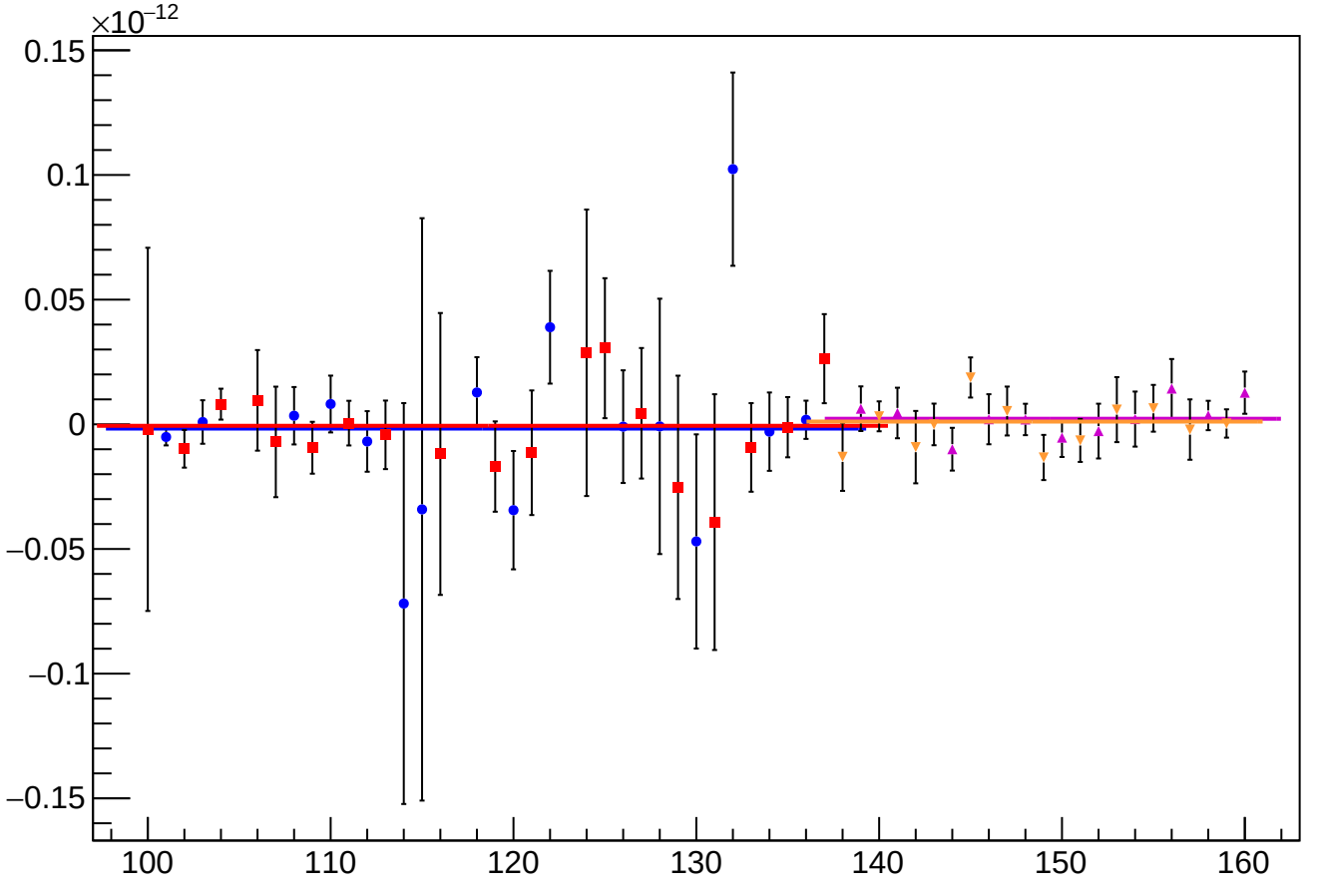
Left: 324.599+/-0.053 χ^2/NDF: 305311.5/22

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 173.421+/-0.037 χ^2/NDF:10707382.1/26

Out: 174.627+/-0.036 χ^2/NDF:10010133.2/30

All: 174.034+/-0.026 χ^2/NDF: 20718068.6/57



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:6.1/10

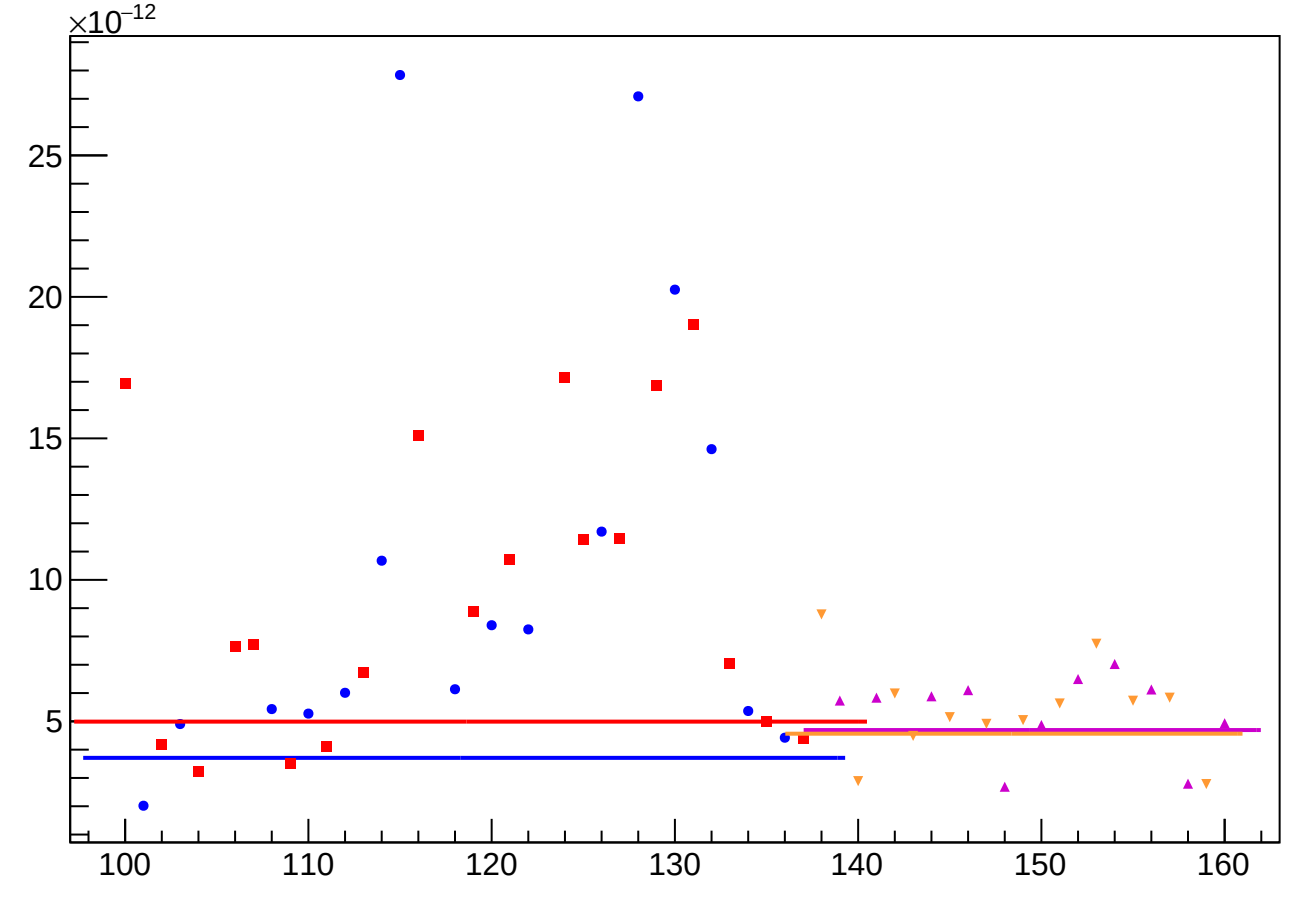
Left: 0.000+/-0.000 χ^2/NDF: 16.7/22

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.0/26

Out: 0.000+/-0.000 χ^2/NDF:21.3/30

All: 0.000+/-0.000 χ^2/NDF: 46.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:783920.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:715261.2/10

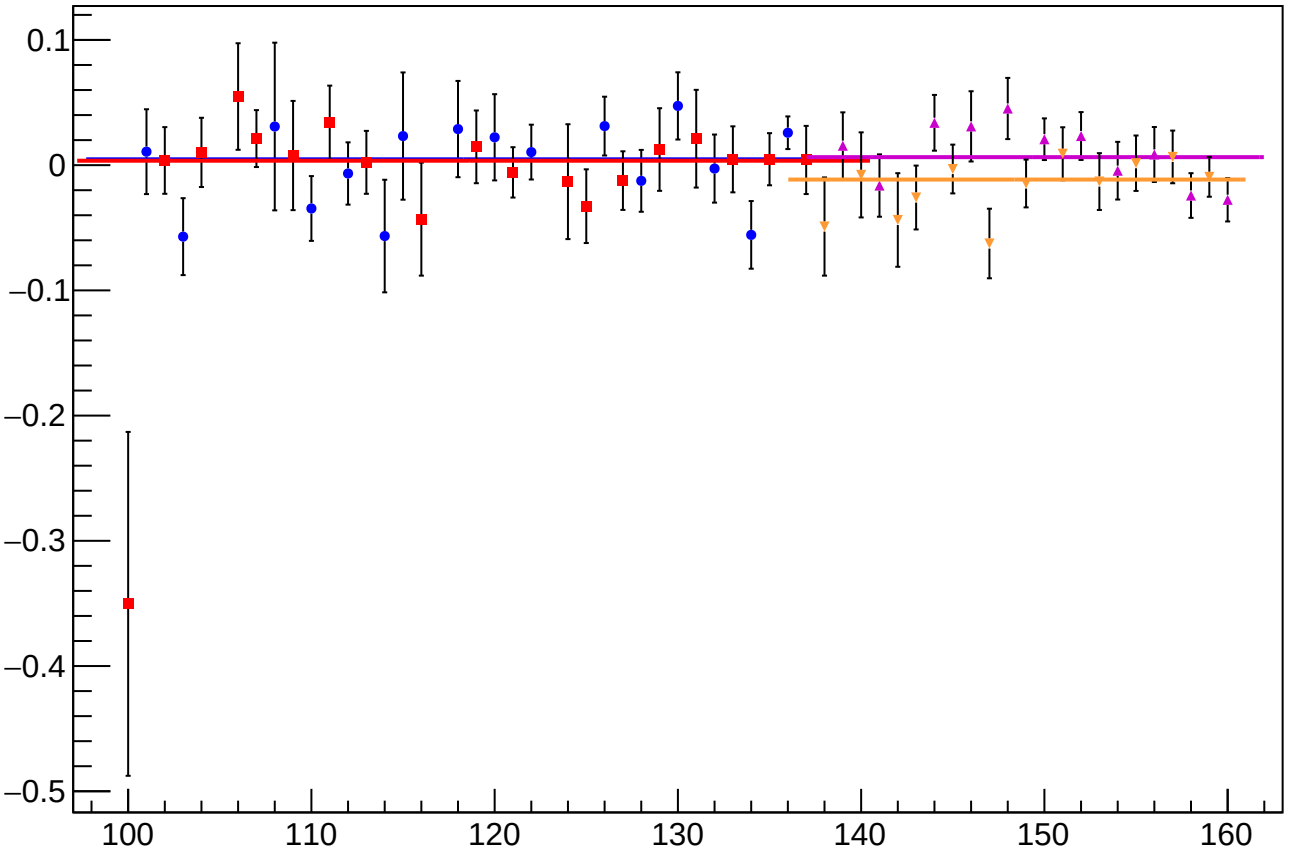
Left: 0.000+/-0.000 χ^2/NDF: 1501784.5/22

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3037473.7/26

Out: 0.000+/-0.000 χ^2/NDF:2101261.2/30

All: 0.000+/-0.000 χ^2/NDF: 5216947.5/57



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: 0.006+/-0.006 χ^2/NDF:14.3/10

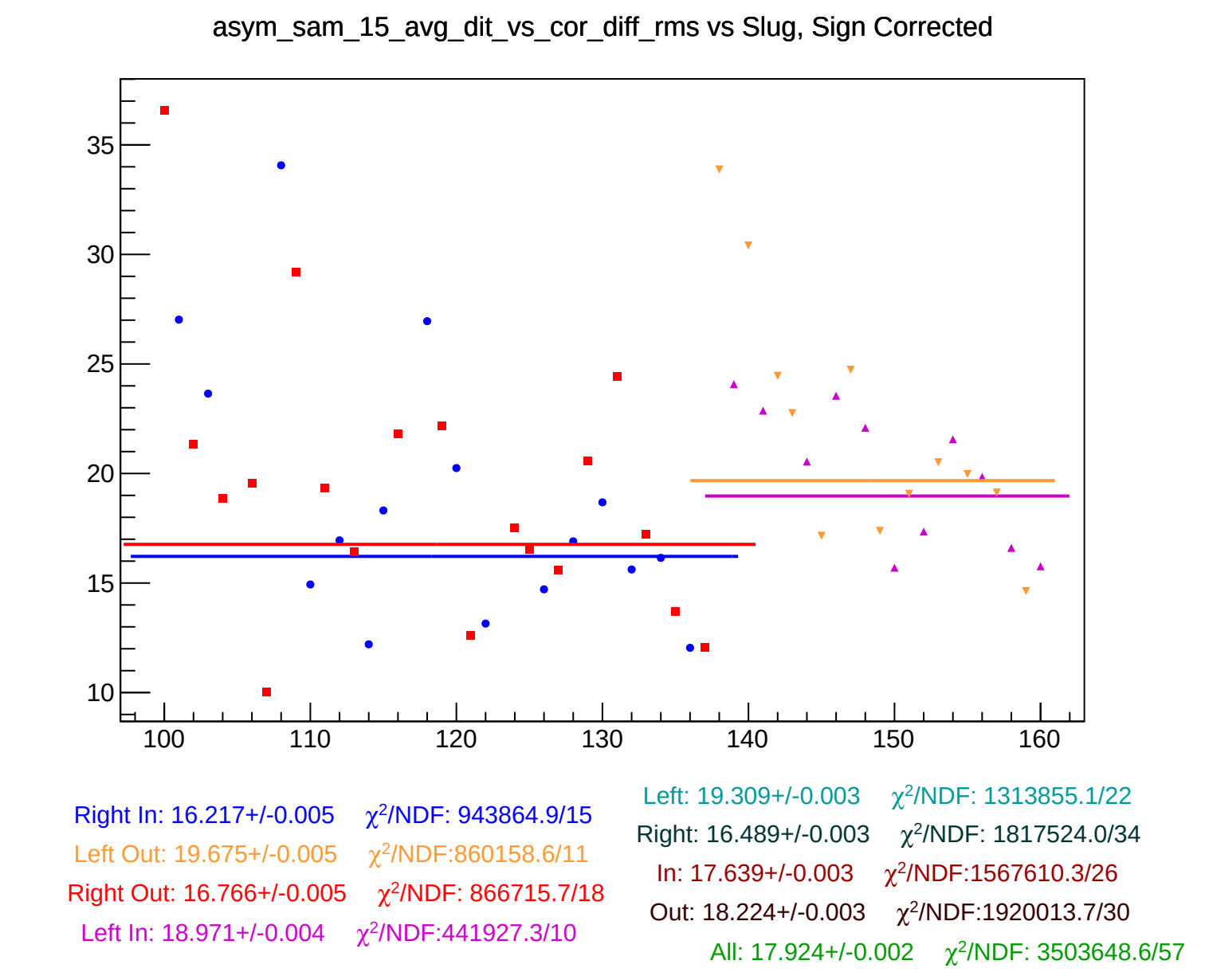
Left: -0.002+/-0.005 χ^2/NDF: 25.8/22

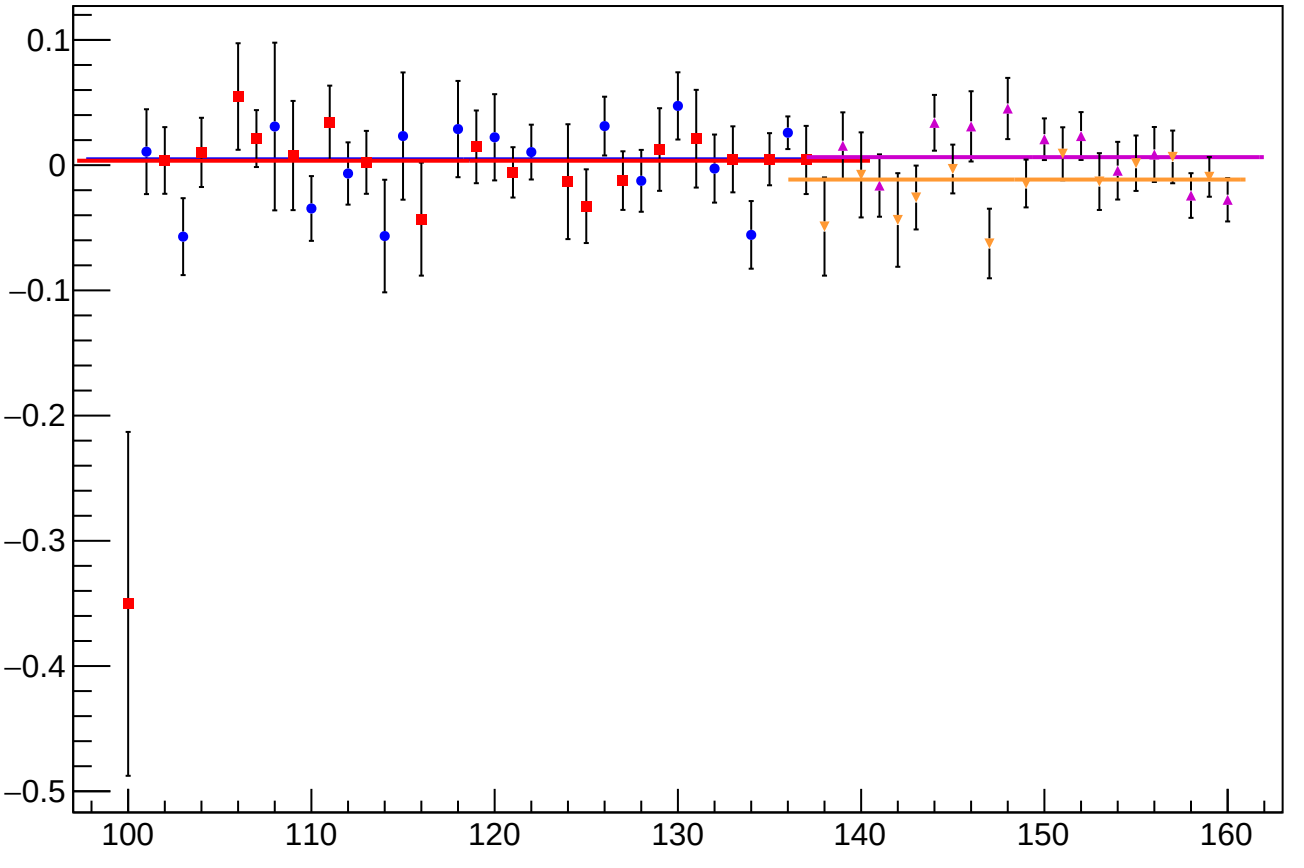
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.001+/-0.003 χ^2/NDF: 61.8/57


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
35
30
25
20
15
10
100
110
120
130
140
150
160
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.675+/-0.005 χ²/NDF:860158.6/11
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 18.971+/-0.004 χ²/NDF:441927.3/10
Left: 19.309+/-0.003 χ²/NDF: 1313855.1/22
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 17.639+/-0.003 χ²/NDF:1567610.3/26
Out: 18.224+/-0.003 χ²/NDF:1920013.7/30
All: 17.924+/-0.002 χ²/NDF: 3503648.6/57



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: 0.006+/-0.006 χ^2/NDF:14.3/10

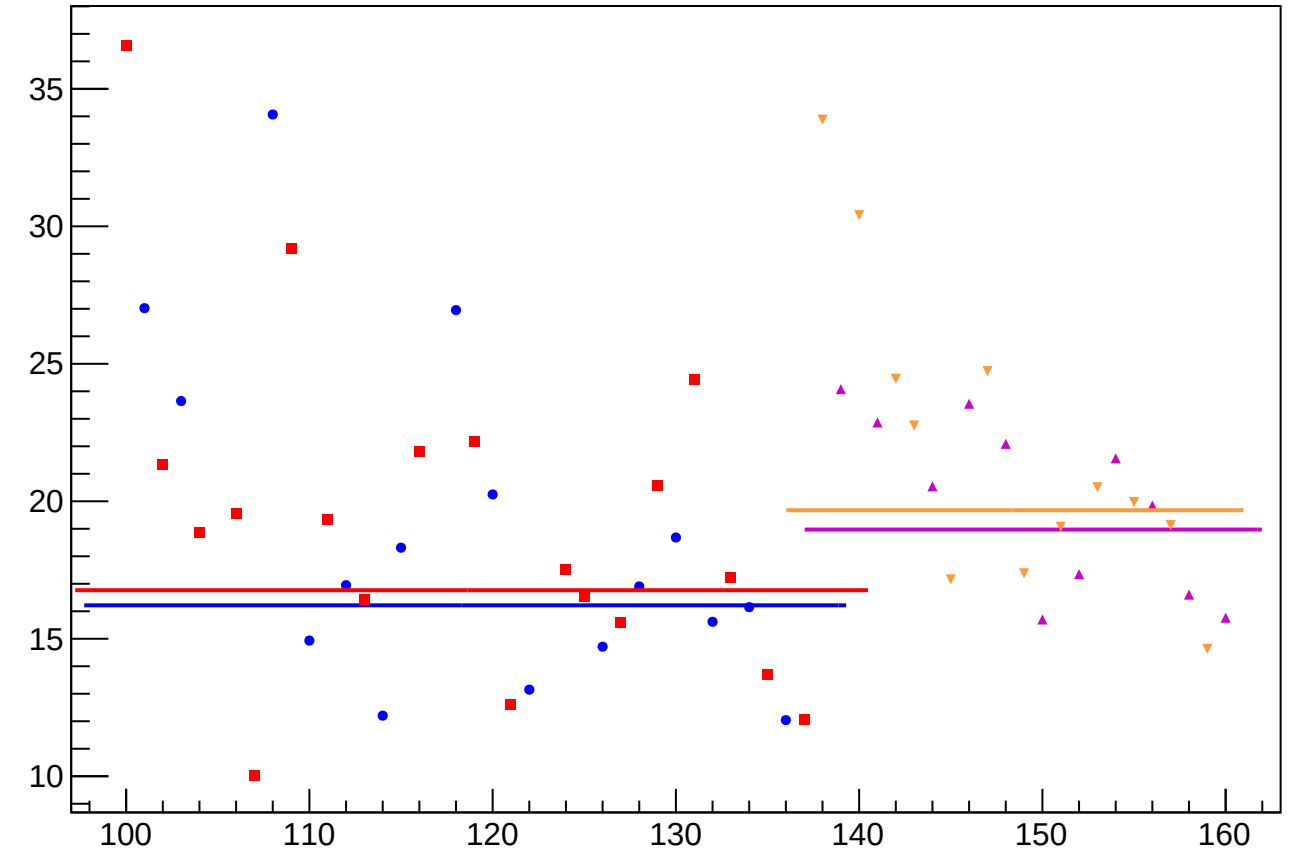
Left: -0.002+/-0.005 χ^2/NDF: 25.8/22

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.001+/-0.003 χ^2/NDF: 61.8/57



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: 18.971+/-0.004 χ^2/NDF:441927.3/10

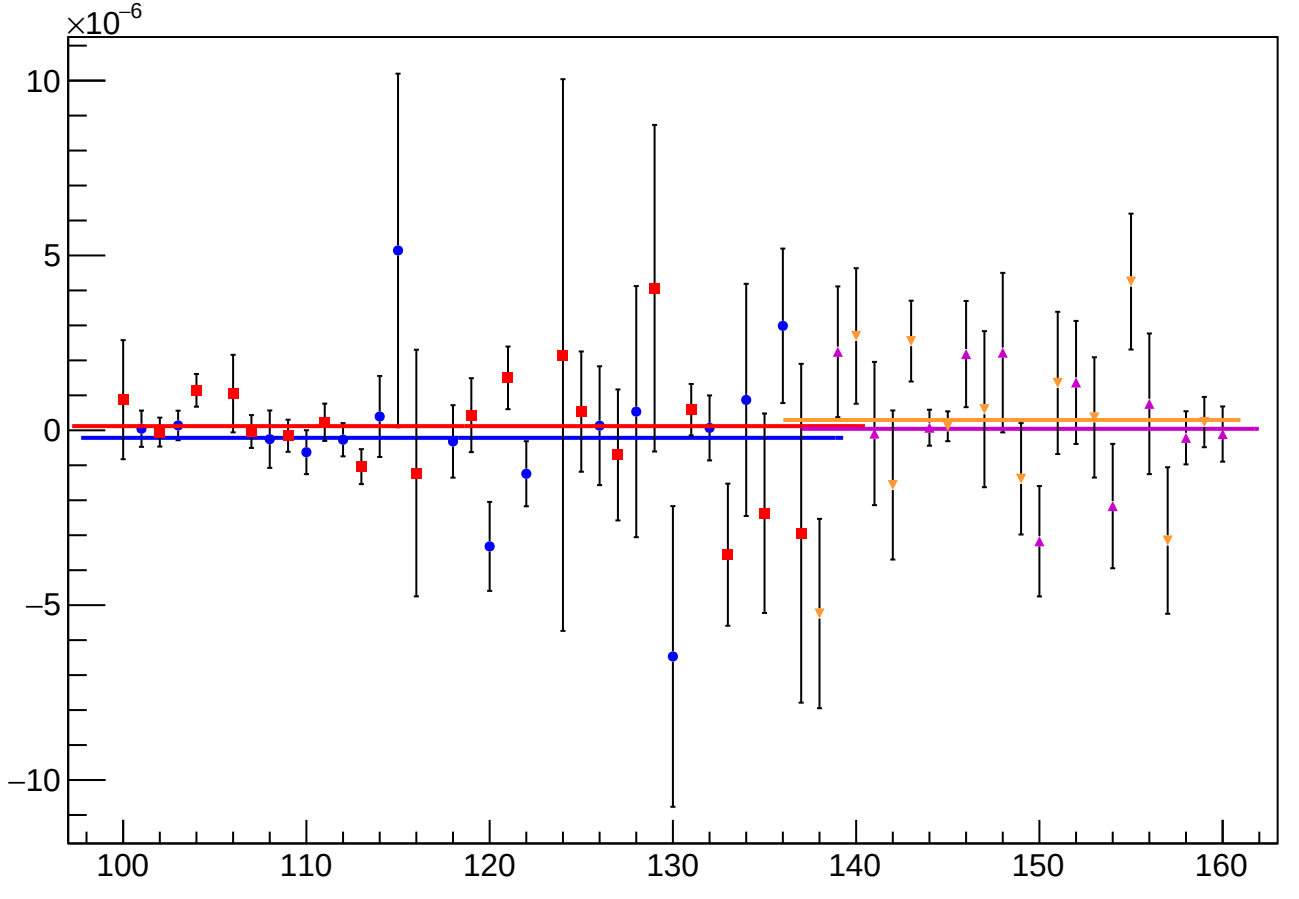
Left: 19.309+/-0.003 χ^2/NDF: 1313855.1/22

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.639+/-0.003 χ^2/NDF:1567610.3/26

Out: 18.224+/-0.003 χ^2/NDF:1920013.7/30

All: 17.924+/-0.002 χ^2/NDF: 3503648.6/57



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:10.8/10

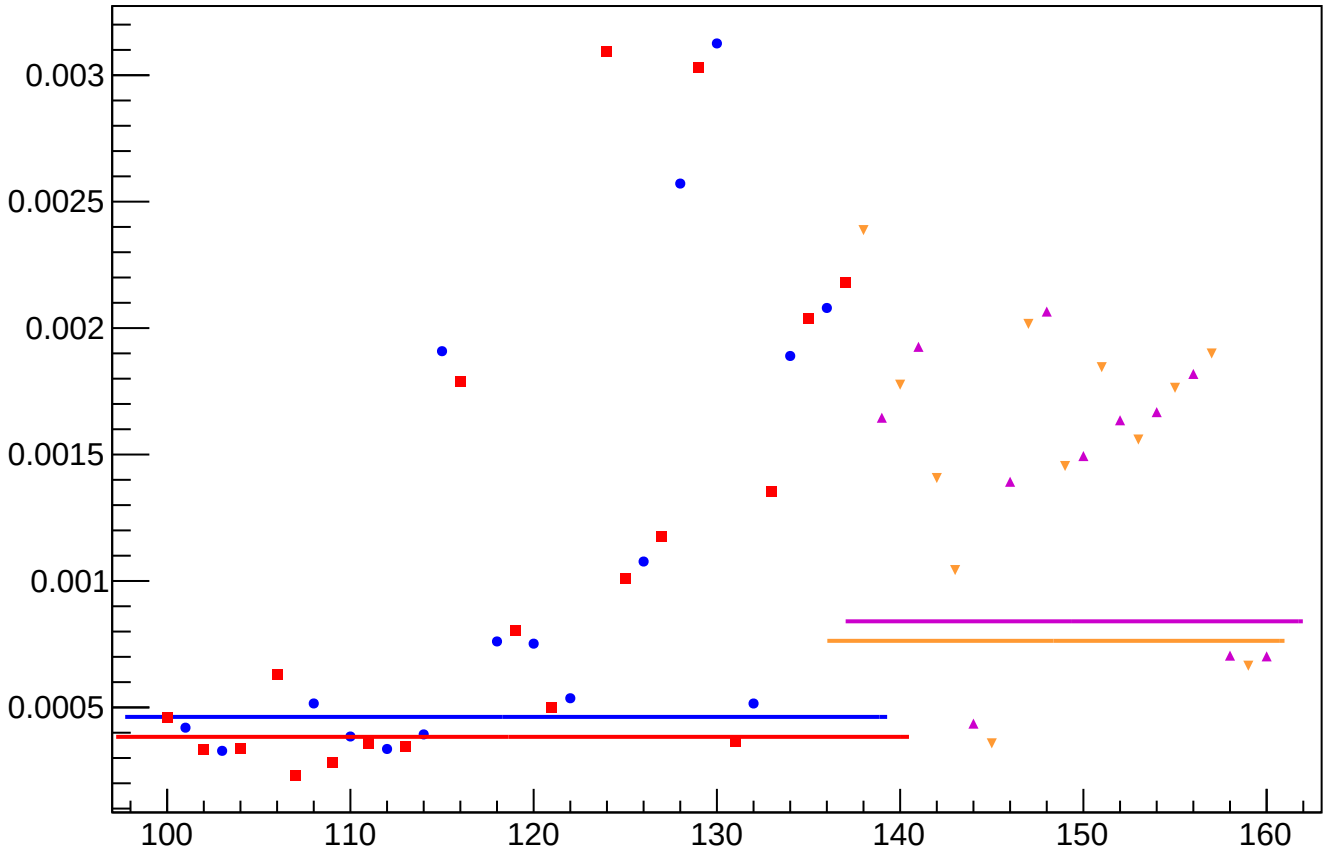
Left: 0.000+/-0.000 χ^2/NDF: 29.9/22

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:25.8/26

Out: 0.000+/-0.000 χ^2/NDF:39.2/30

All: 0.000+/-0.000 χ^2/NDF: 66.7/57



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:4793143.1/10

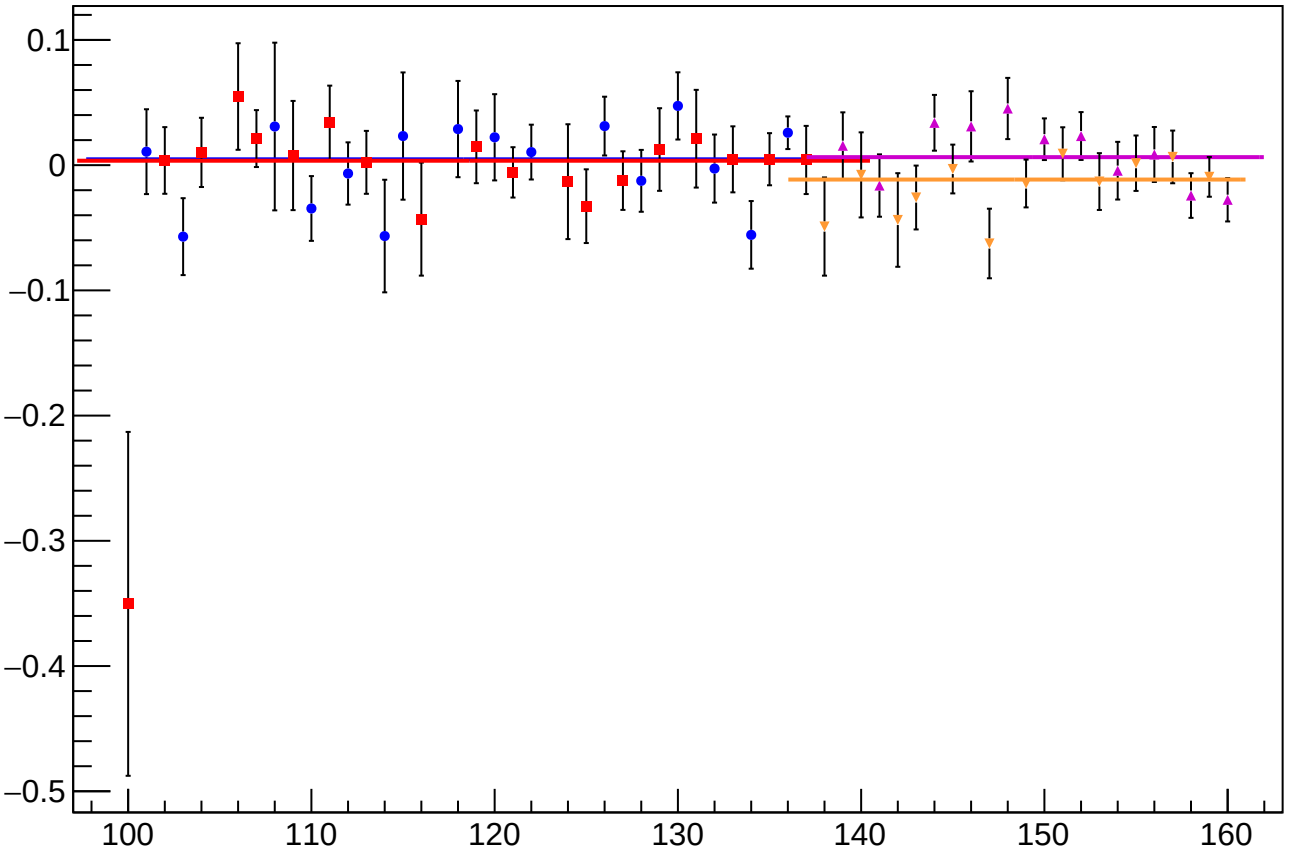
Left: 0.001+/-0.000 χ^2/NDF: 11385612.0/22

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:10742596.6/26

Out: 0.000+/-0.000 χ^2/NDF:12892839.5/30

All: 0.001+/-0.000 χ^2/NDF: 24001896.2/57



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: 0.006+/-0.006 χ^2/NDF:14.3/10

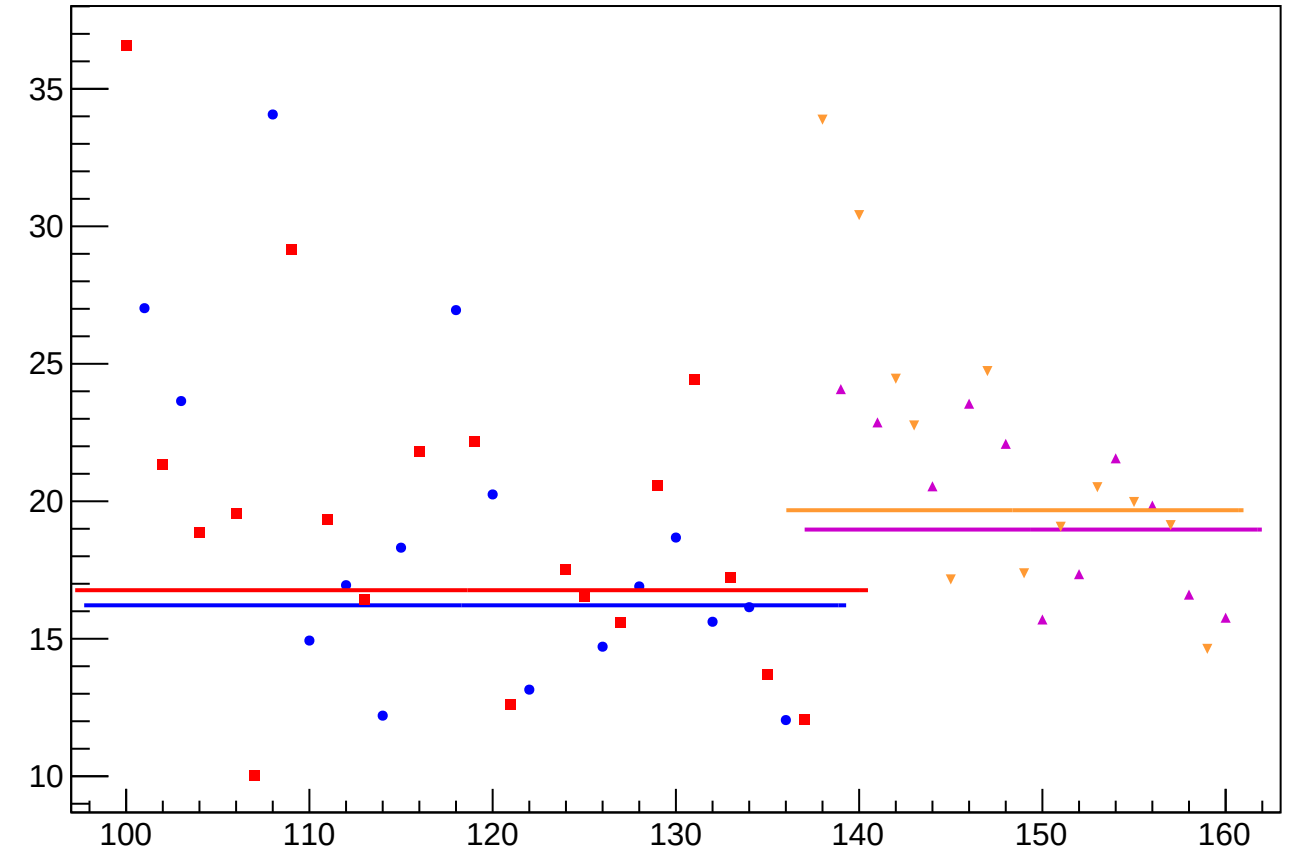
Left: -0.002+/-0.005 χ^2/NDF: 25.8/22

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.001+/-0.003 χ^2/NDF: 61.8/57



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: 18.971+/-0.004 χ^2/NDF:442034.1/10

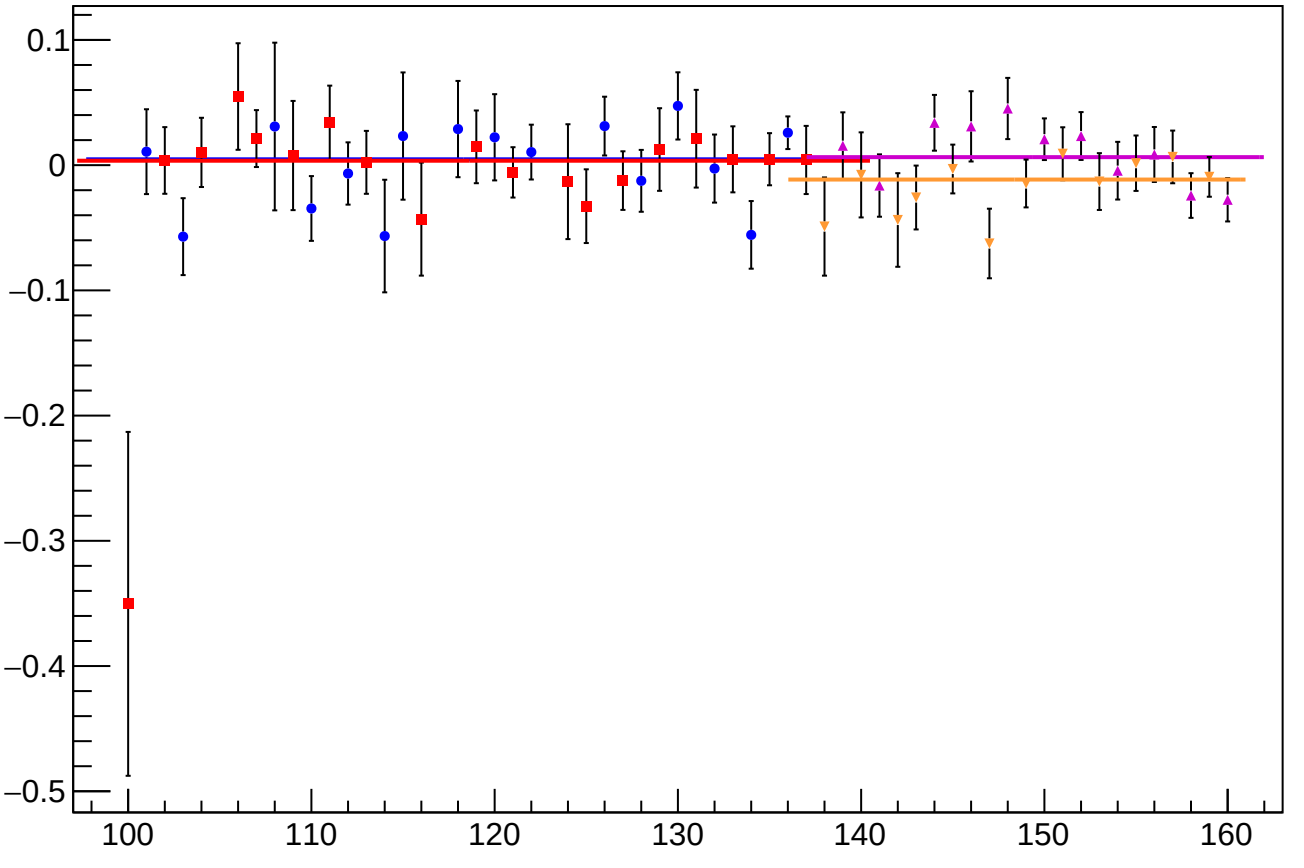
Left: 19.309+/-0.003 χ^2/NDF: 1314062.1/22

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.639+/-0.003 χ^2/NDF:1567712.0/26

Out: 18.224+/-0.003 χ^2/NDF:1920137.4/30

All: 17.924+/-0.002 χ^2/NDF: 3503872.7/57



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: 0.006+/-0.006 χ^2/NDF:14.3/10

Left: -0.002+/-0.005 χ^2/NDF: 25.8/22

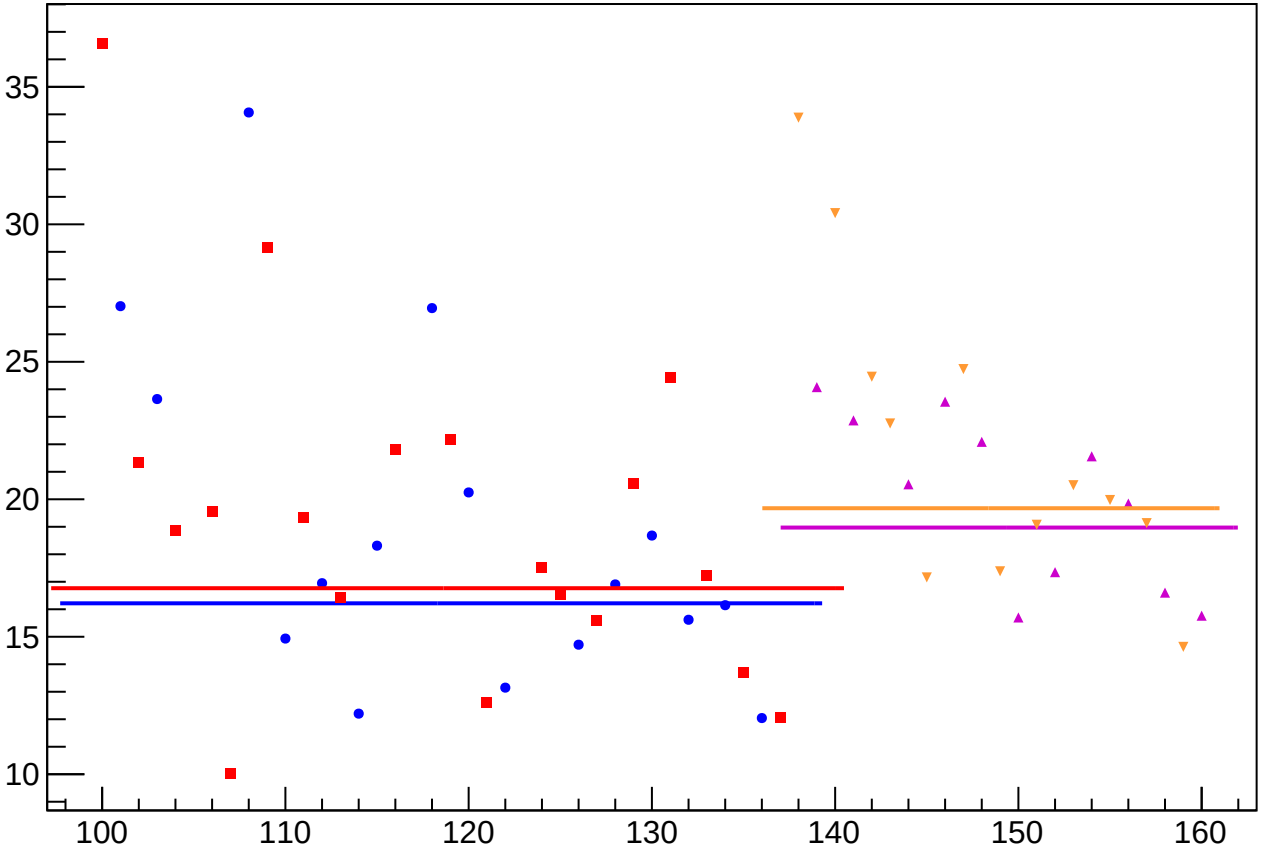
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.004+/-0.005 χ^2/NDF:23.8/30

All: 0.001+/-0.003 χ^2/NDF: 61.8/57

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.675+/-0.005 χ^2/NDF:860259.1/11

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 18.971+/-0.004 χ^2/NDF:442034.1/10

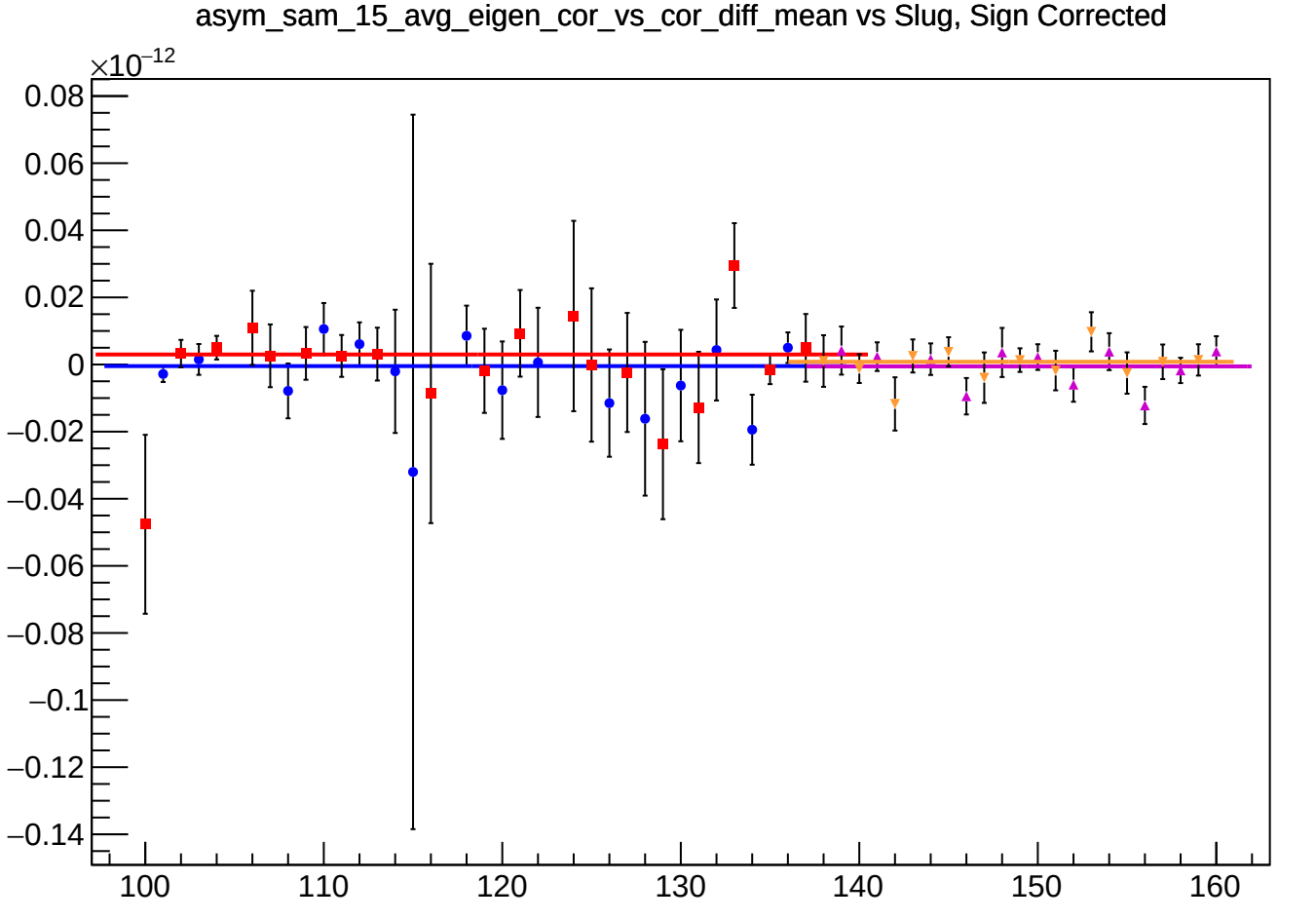
Left: 19.309+/-0.003 χ^2/NDF: 1314062.1/22

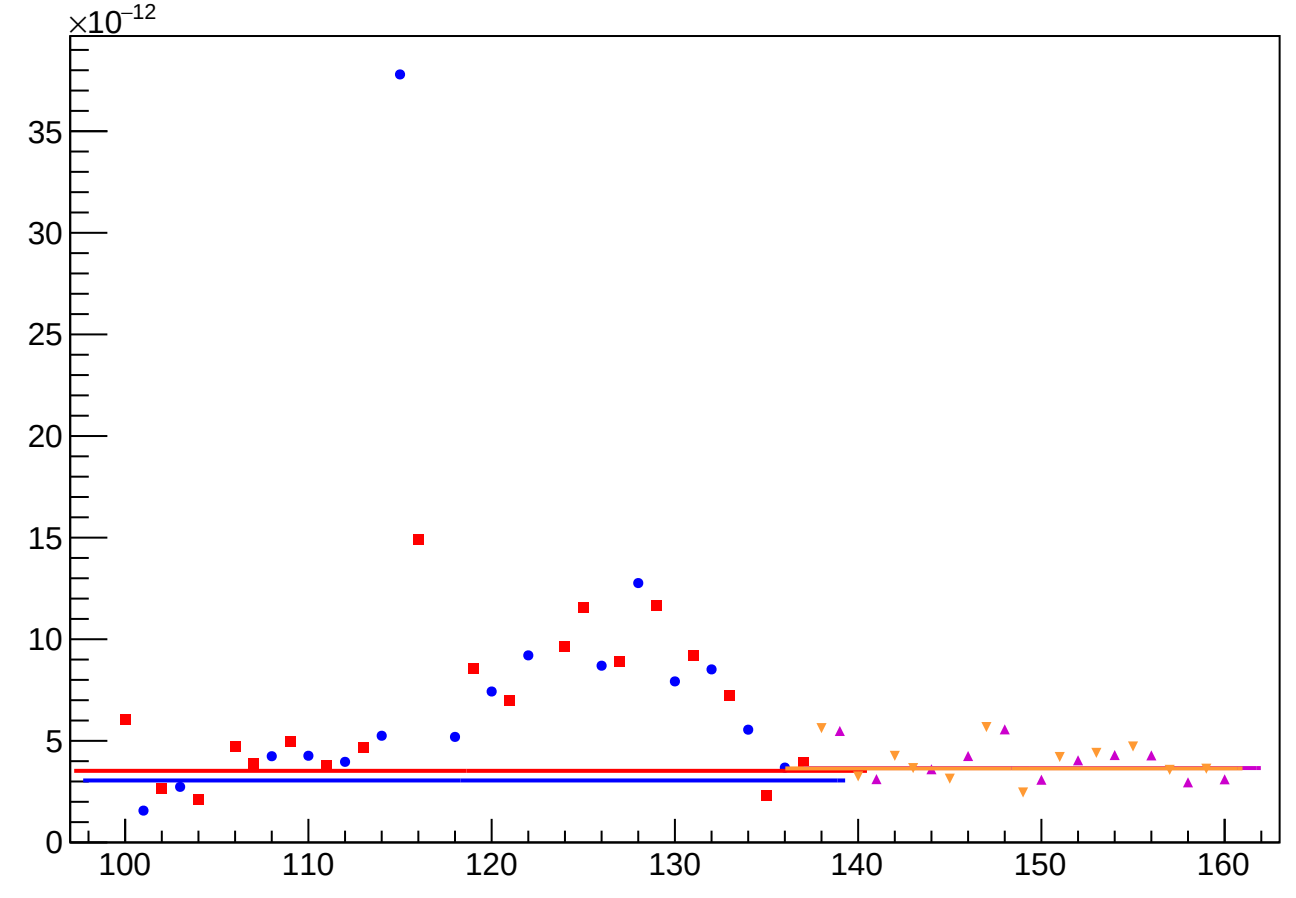
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.639+/-0.003 χ^2/NDF:1567712.0/26

Out: 18.224+/-0.003 χ^2/NDF:1920137.4/30

All: 17.924+/-0.002 χ^2/NDF: 3503872.7/57


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: -0.000+/-0.000 χ²/NDF:11.9/10
Left: 0.000+/-0.000 χ²/NDF: 18.9/22
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: -0.000+/-0.000 χ²/NDF:24.2/26
Out: 0.000+/-0.000 χ²/NDF:20.5/30
All: 0.000+/-0.000 χ²/NDF: 46.6/57



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:528829.2/10

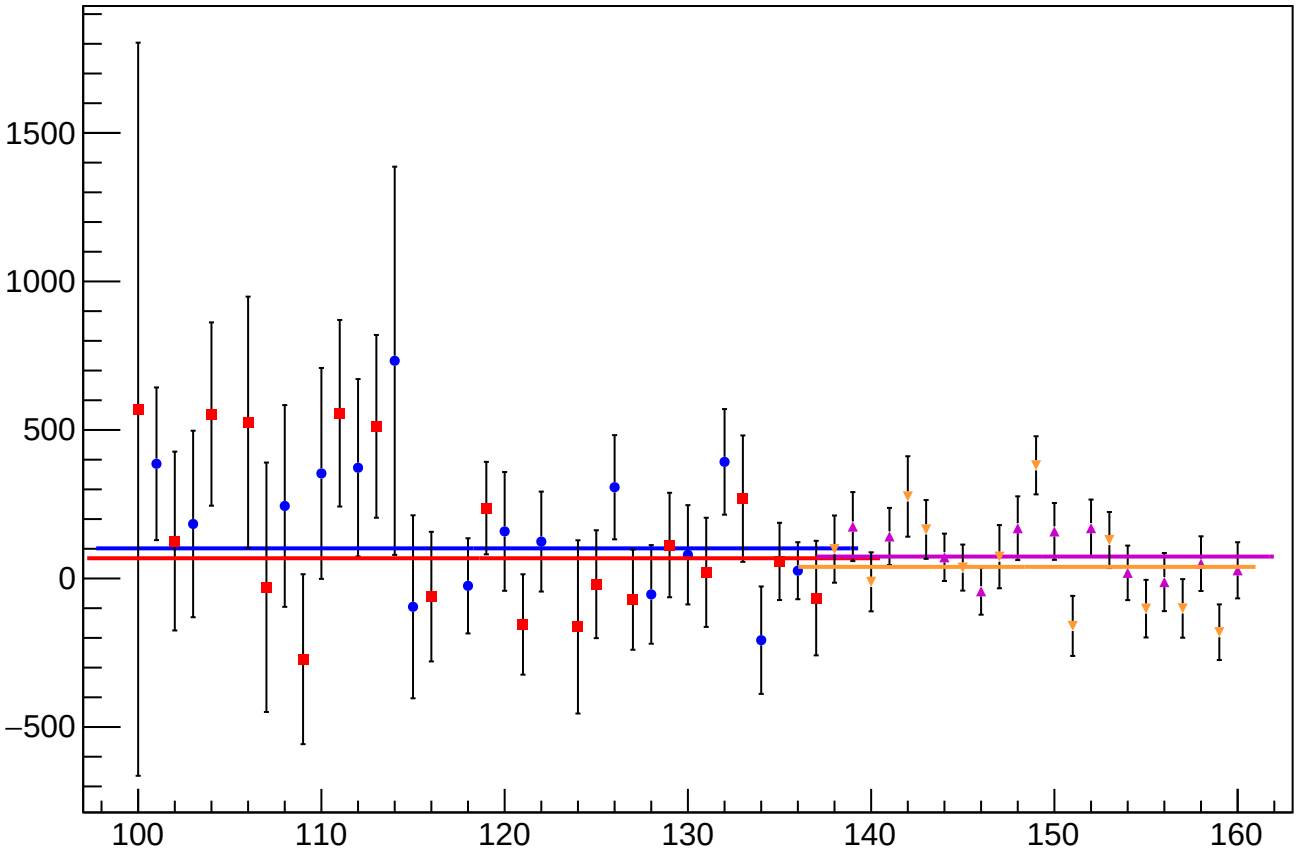
Left: 0.000+/-0.000 χ^2/NDF: 1204872.9/22

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3620076.2/26

Out: 0.000+/-0.000 χ^2/NDF:3240231.8/30

All: 0.000+/-0.000 χ^2/NDF: 6894179.0/57



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: 73.804+/-28.192 χ^2/NDF:7.4/10

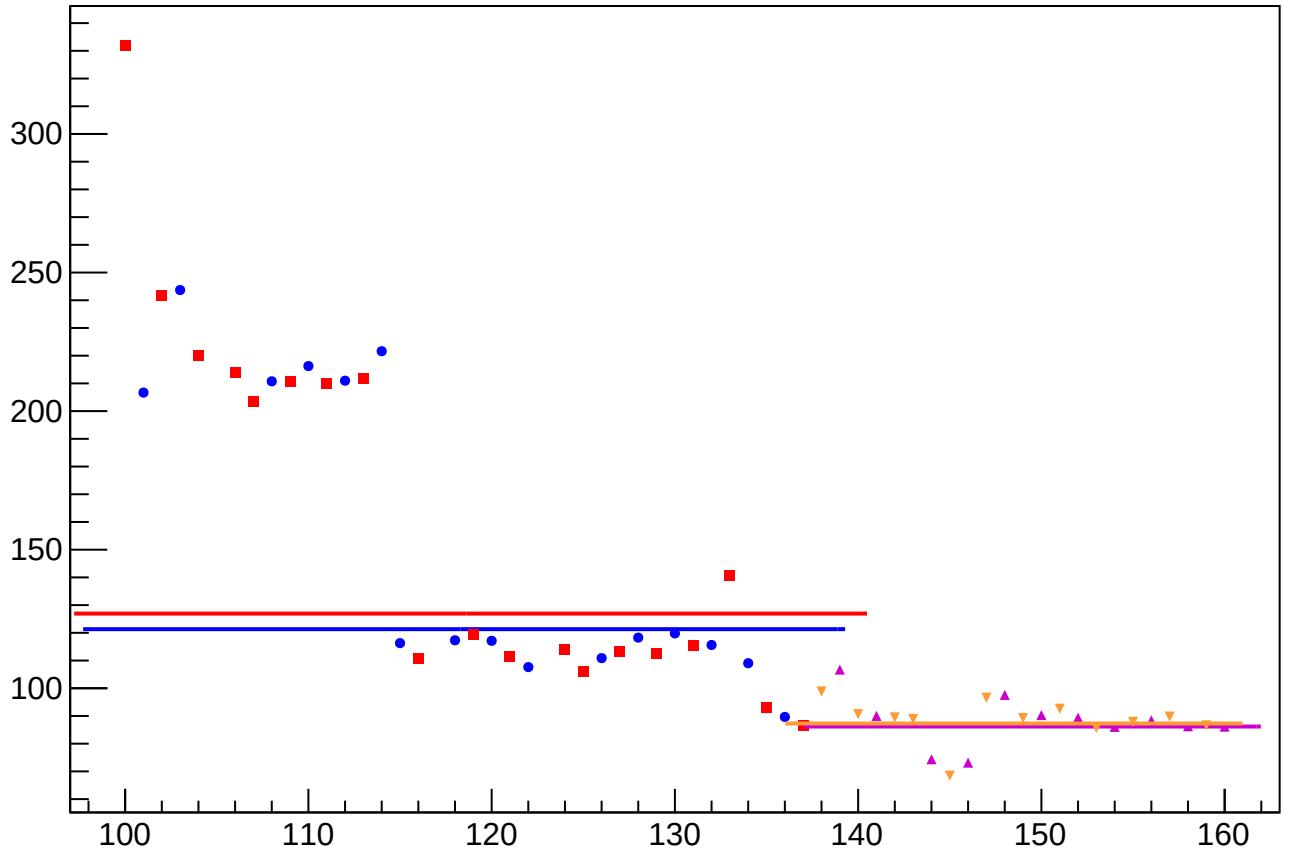
Left: 56.680+/-20.054 χ^2/NDF: 40.1/22

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 80.979+/-24.261 χ^2/NDF:21.1/26

Out: 46.402+/-24.698 χ^2/NDF:48.3/30

All: 63.999+/-17.308 χ^2/NDF: 70.4/57



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: 86.190+/-0.020 χ^2/NDF:194032.3/10

Left: 86.733+/-0.014 χ^2/NDF: 361299.3/22

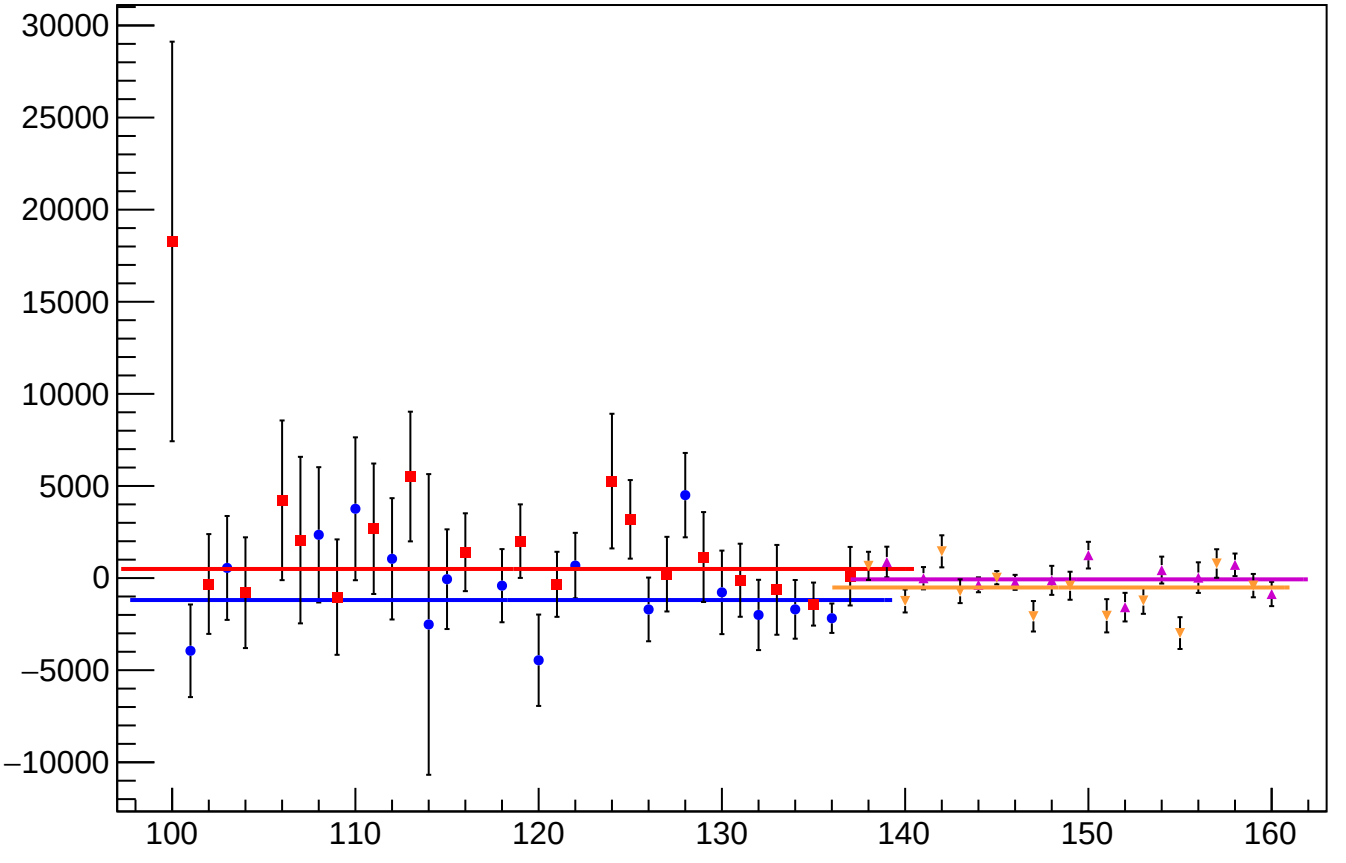
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 95.306+/-0.017 χ^2/NDF:2286617.2/26

Out: 97.230+/-0.017 χ^2/NDF:2605941.1/30

All: 96.251+/-0.012 χ^2/NDF: 4898737.5/57

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: -68.893+/-183.243 χ^2/NDF:12.7/10

Left: -281.022+/-132.161 χ^2/NDF: 45.0/22

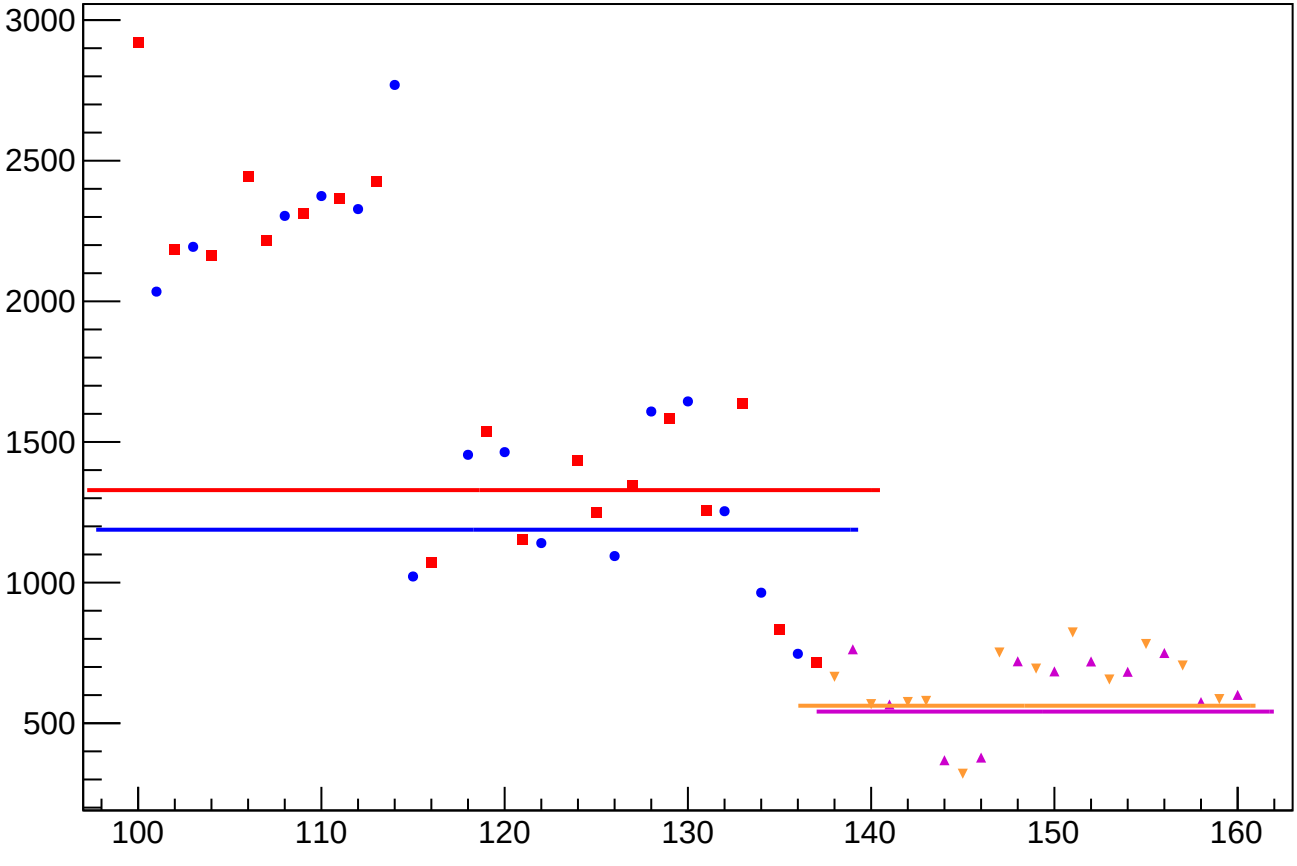
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -212.343+/-171.143 χ^2/NDF:33.4/26

Out: -392.382+/-179.189 χ^2/NDF:46.7/30

All: -298.230+/-123.763 χ^2/NDF: 80.6/57

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: 541.387+/-0.130 χ^2/NDF:1343633.1/10

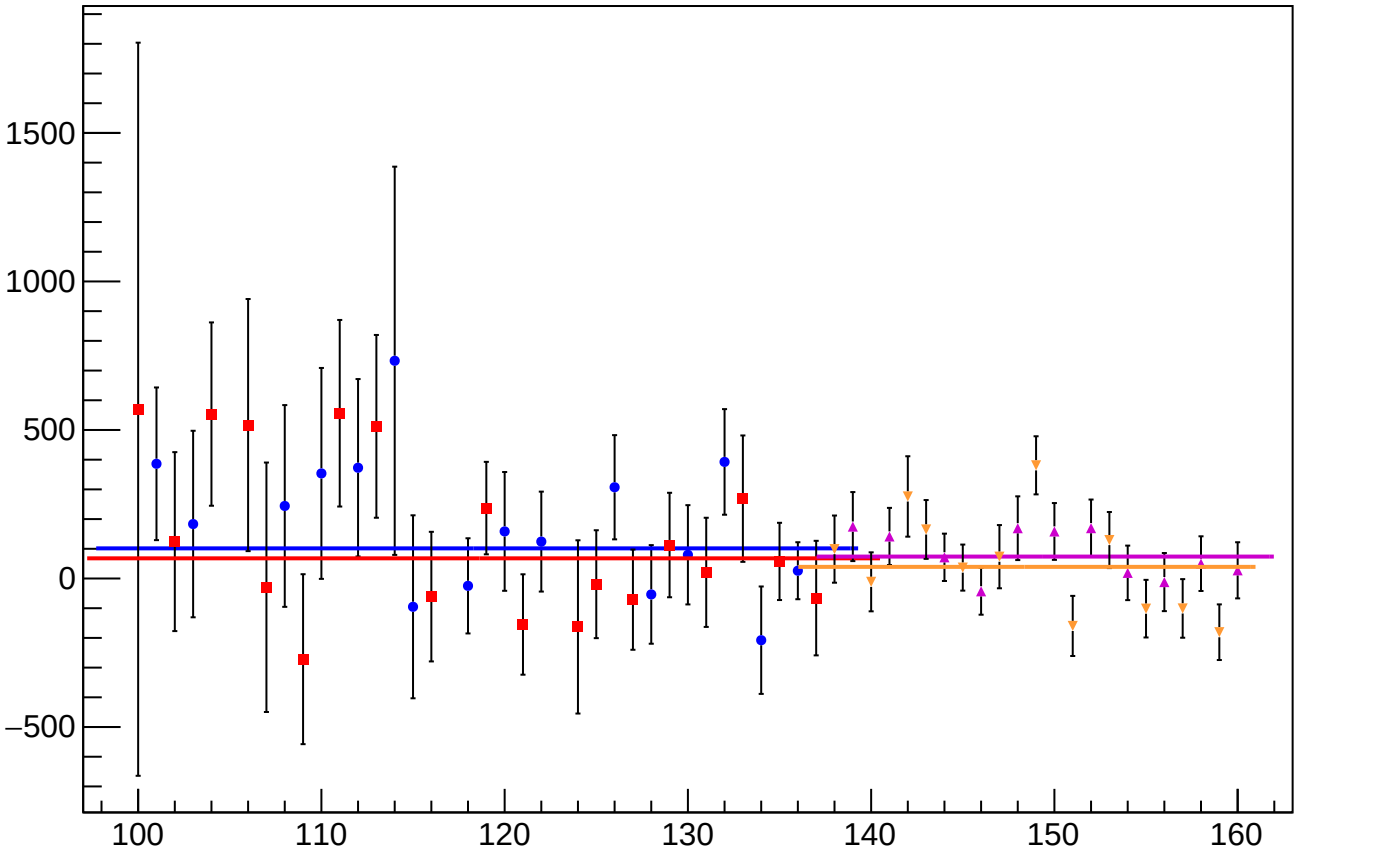
Left: 551.406+/-0.093 χ^2/NDF: 2850590.3/22

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 623.973+/-0.121 χ^2/NDF:6569321.8/26

Out: 652.681+/-0.127 χ^2/NDF:7260000.9/30

All: 637.668+/-0.088 χ^2/NDF: 13856170.2/57



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: 73.804+/-28.192 χ^2/NDF:7.5/10

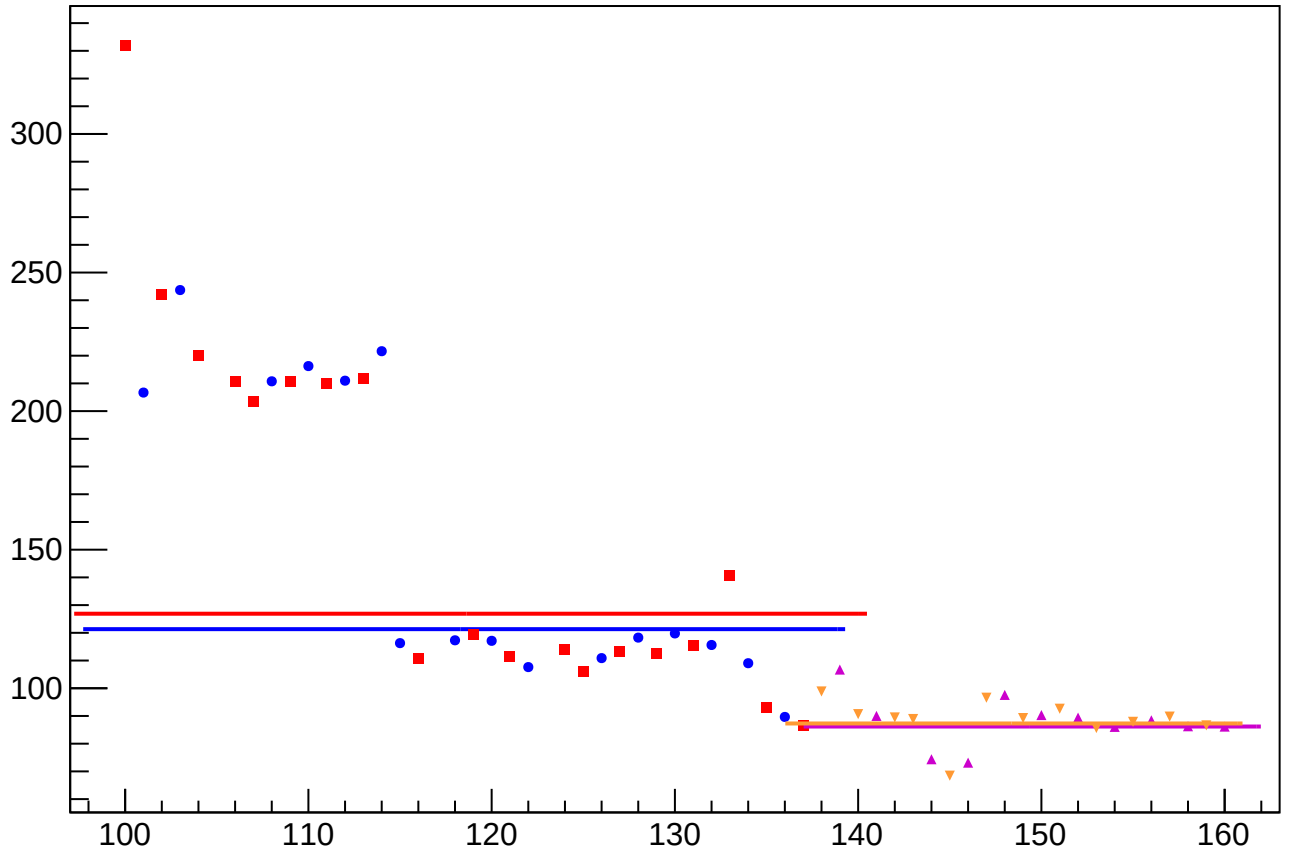
Left: 56.682+/-20.054 χ^2/NDF: 40.1/22

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 80.976+/-24.261 χ^2/NDF:21.0/26

Out: 46.349+/-24.699 χ^2/NDF:48.3/30

All: 63.972+/-17.308 χ^2/NDF: 70.3/57



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: 86.190+/-0.020 χ^2/NDF:194032.3/10

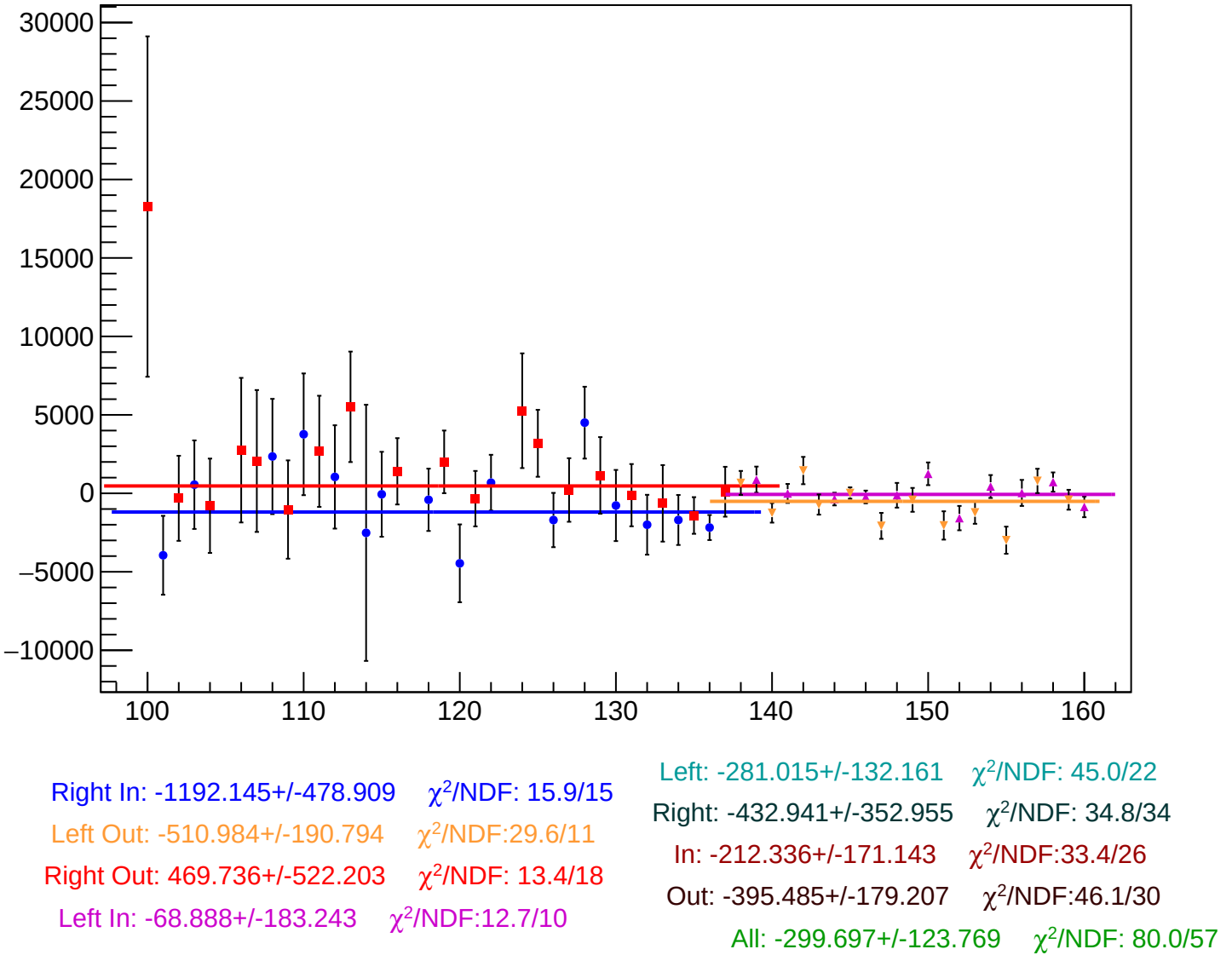
Left: 86.733+/-0.014 χ^2/NDF: 361299.3/22

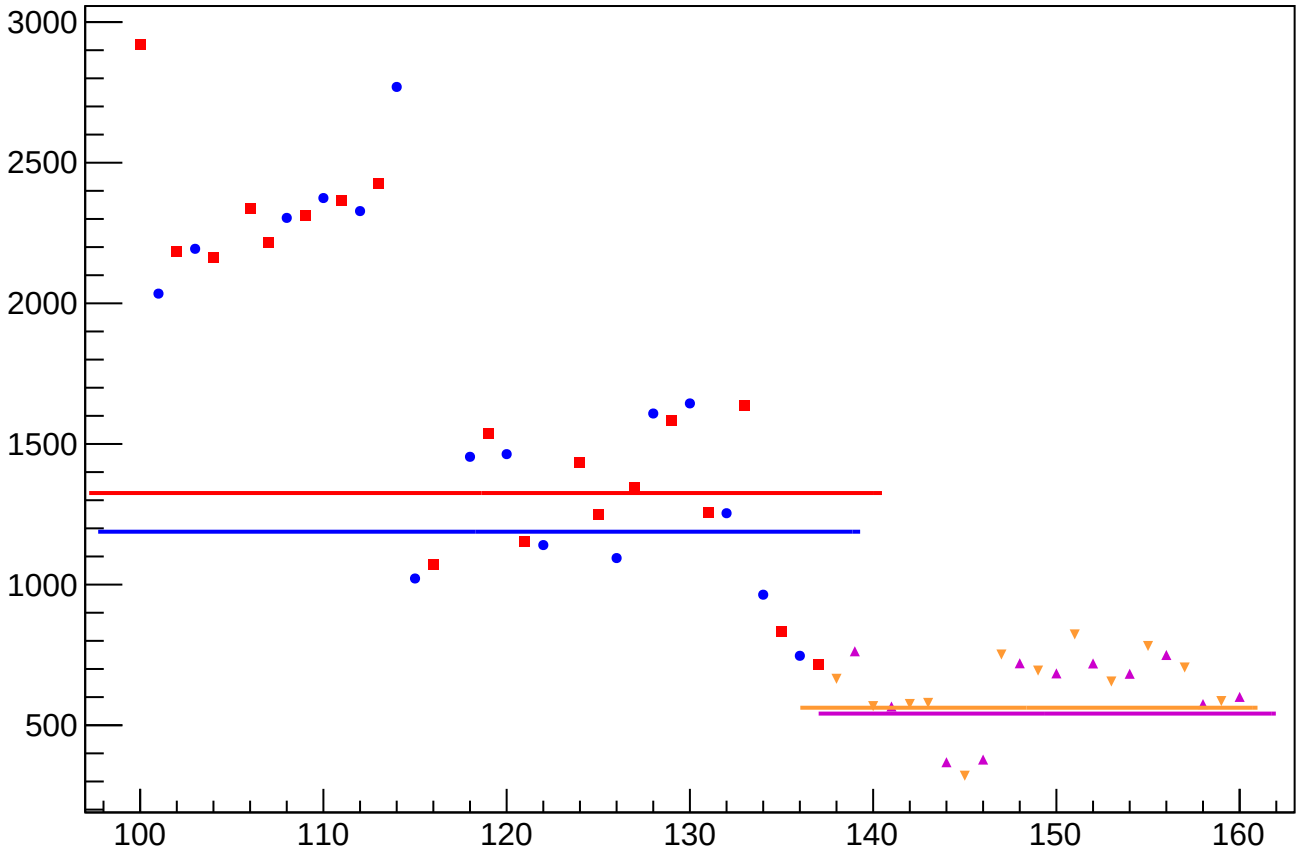
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.306+/-0.017 χ^2/NDF:2286619.5/26

Out: 97.217+/-0.017 χ^2/NDF:2597295.6/30

All: 96.244+/-0.012 χ^2/NDF: 4890008.0/57


asym_sam_26_avg_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: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -510.984+/-190.794 χ²/NDF:29.6/11
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -68.888+/-183.243 χ²/NDF:12.7/10
Left: -281.015+/-132.161 χ²/NDF: 45.0/22
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -212.336+/-171.143 χ²/NDF:33.4/26
Out: -395.485+/-179.207 χ²/NDF:46.1/30
All: -299.697+/-123.769 χ²/NDF: 80.0/57



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: 541.387+/-0.130 χ^2/NDF:1343635.1/10

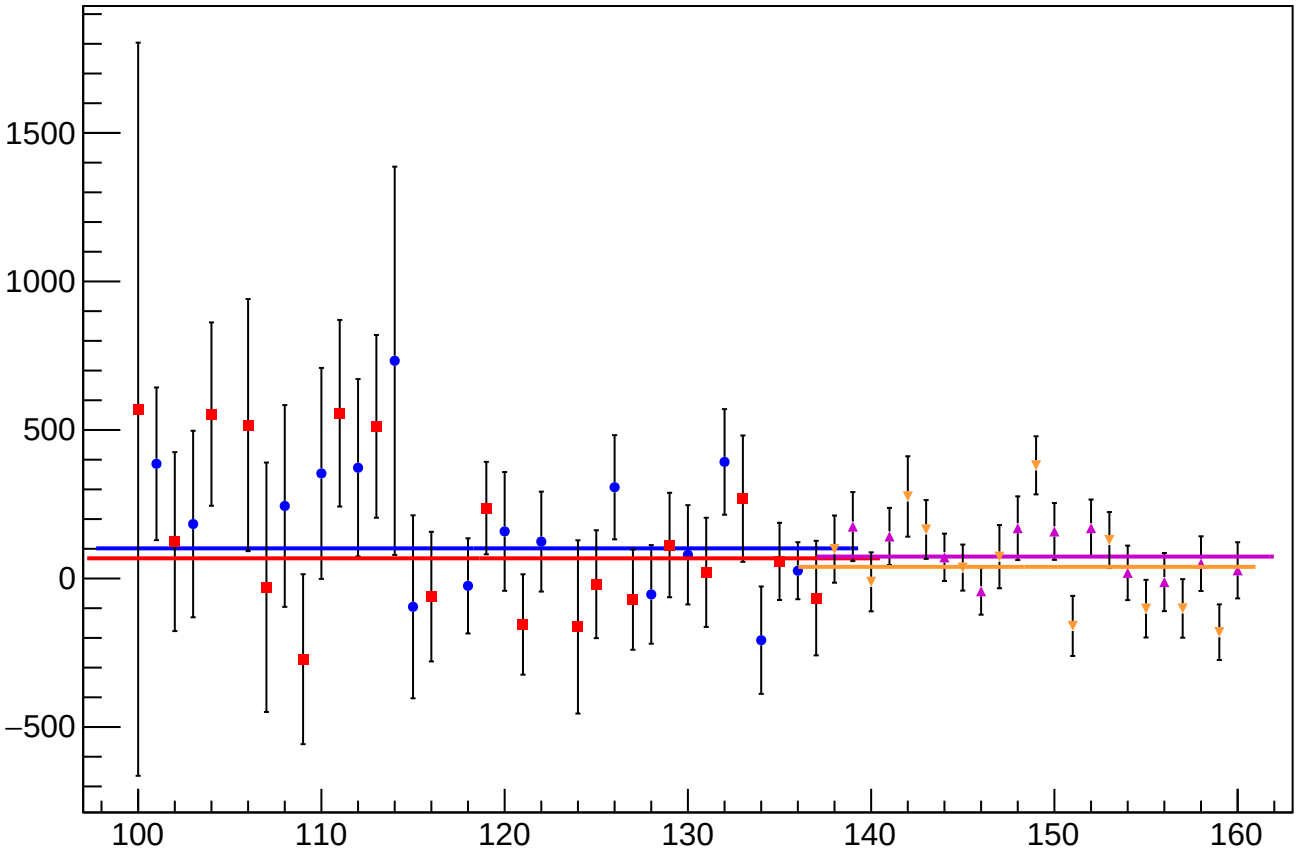
Left: 551.406+/-0.093 χ^2/NDF: 2850601.2/22

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.972+/-0.121 χ^2/NDF:6569344.6/26

Out: 652.161+/-0.127 χ^2/NDF:7185295.8/30

All: 637.418+/-0.088 χ^2/NDF: 13780521.4/57



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: 73.804+/-28.192 χ^2/NDF:7.5/10

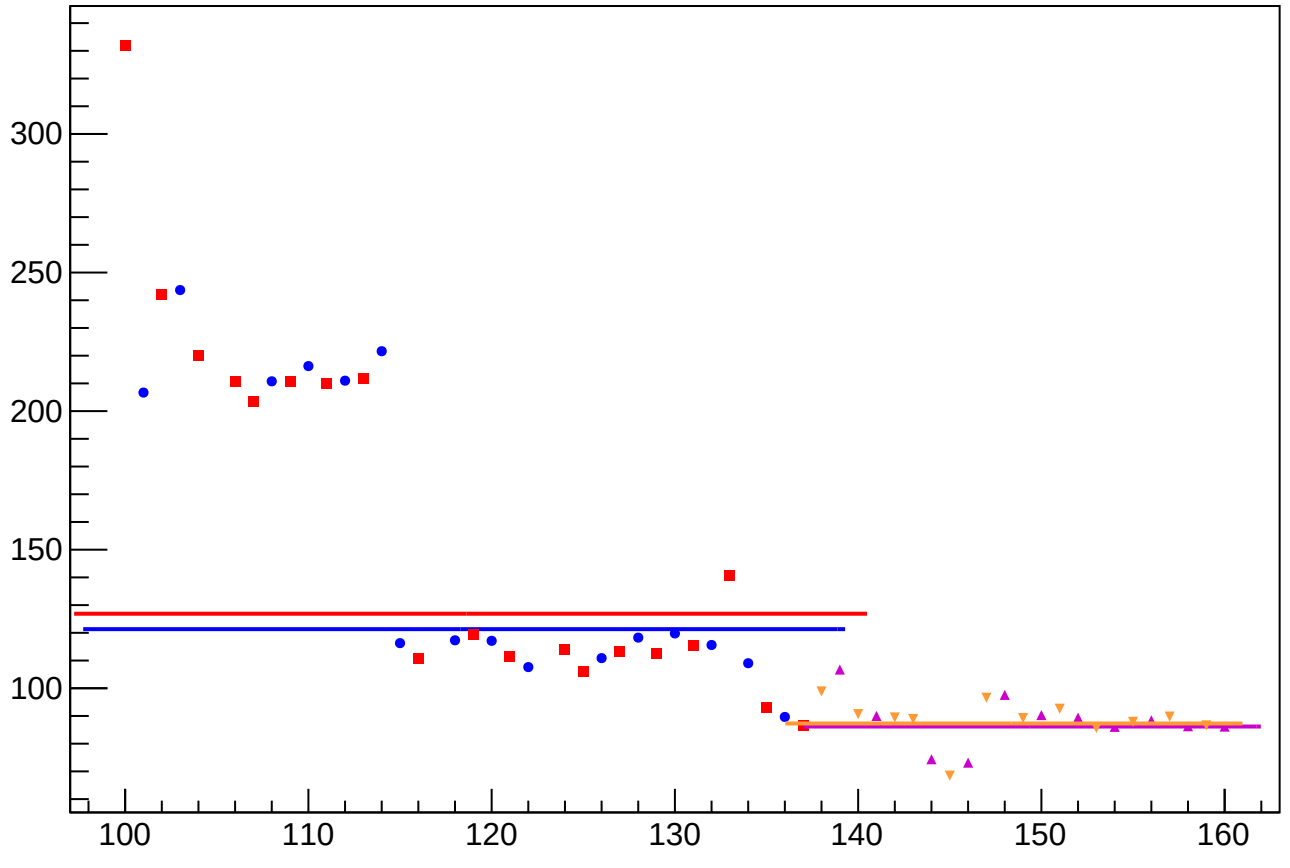
Left: 56.682+/-20.054 χ^2/NDF: 40.1/22

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 80.976+/-24.261 χ^2/NDF:21.0/26

Out: 46.349+/-24.699 χ^2/NDF:48.3/30

All: 63.972+/-17.308 χ^2/NDF: 70.3/57



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: 86.190+/-0.020 χ^2/NDF:194032.3/10

Left: 86.733+/-0.014 χ^2/NDF: 361299.3/22

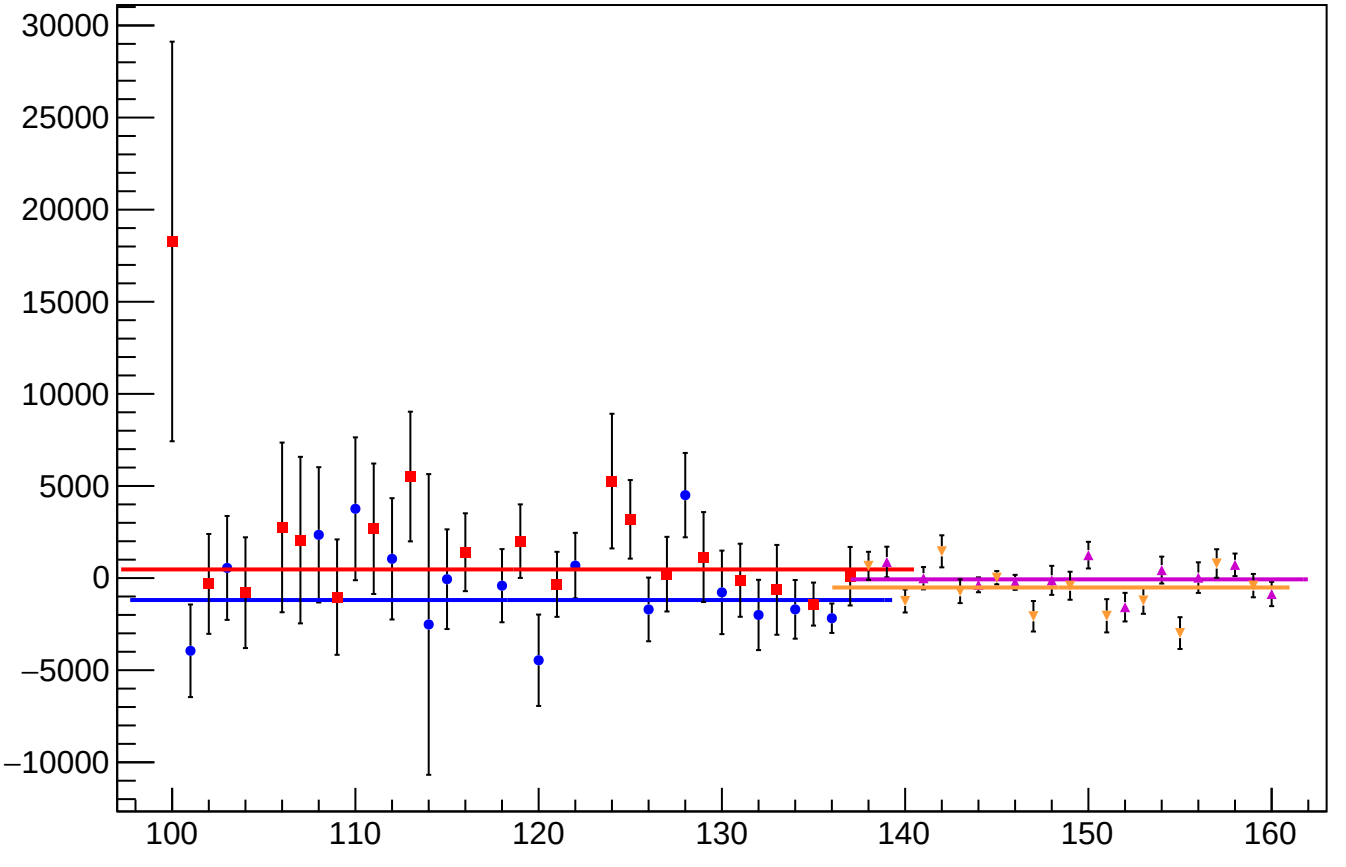
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.306+/-0.017 χ^2/NDF:2286619.5/26

Out: 97.217+/-0.017 χ^2/NDF:2597295.6/30

All: 96.244+/-0.012 χ^2/NDF: 4890008.0/57

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: -68.888+/-183.243 χ^2/NDF:12.7/10

Left: -281.015+/-132.161 χ^2/NDF: 45.0/22

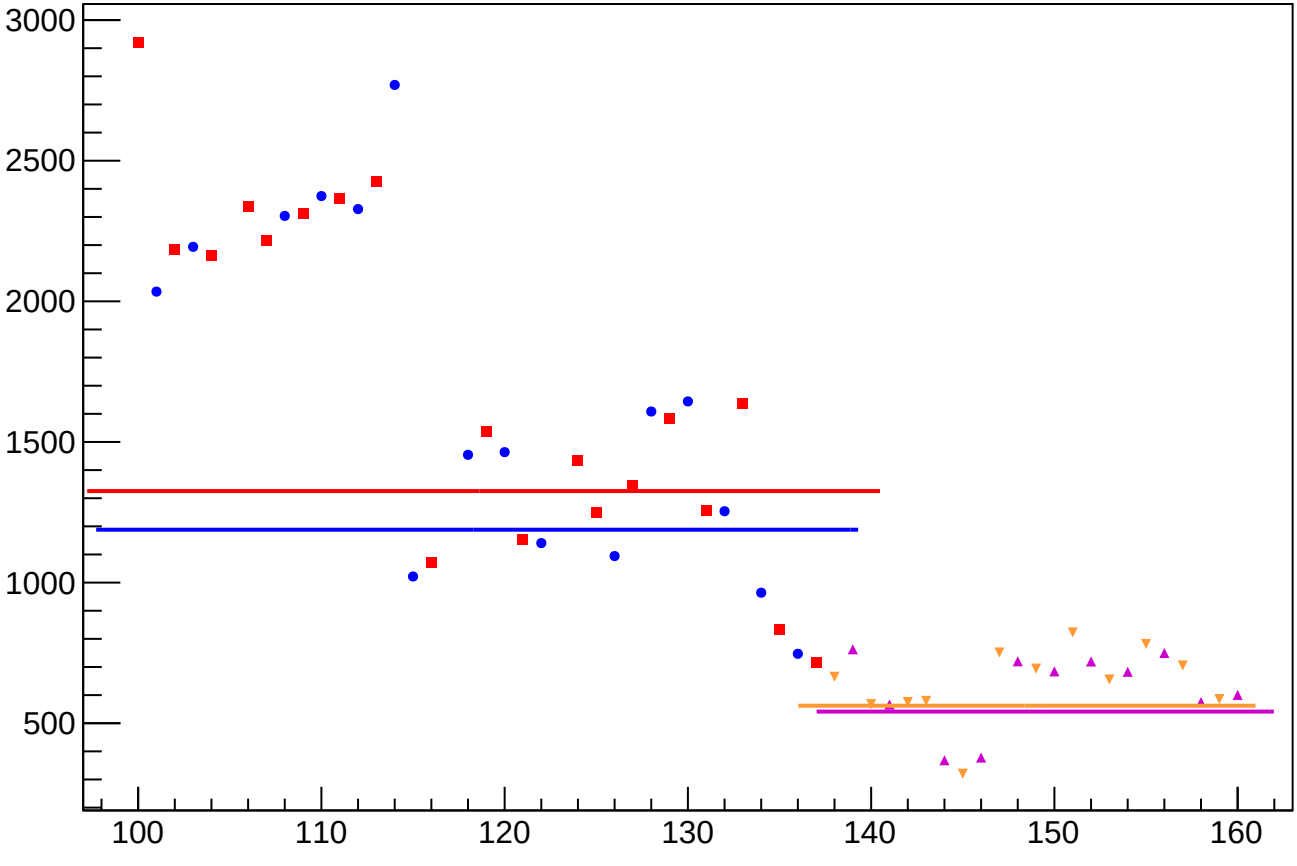
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -212.336+/-171.143 χ^2/NDF:33.4/26

Out: -395.485+/-179.207 χ^2/NDF:46.1/30

All: -299.697+/-123.769 χ^2/NDF: 80.0/57

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: 541.387+/-0.130 χ^2/NDF:1343635.1/10

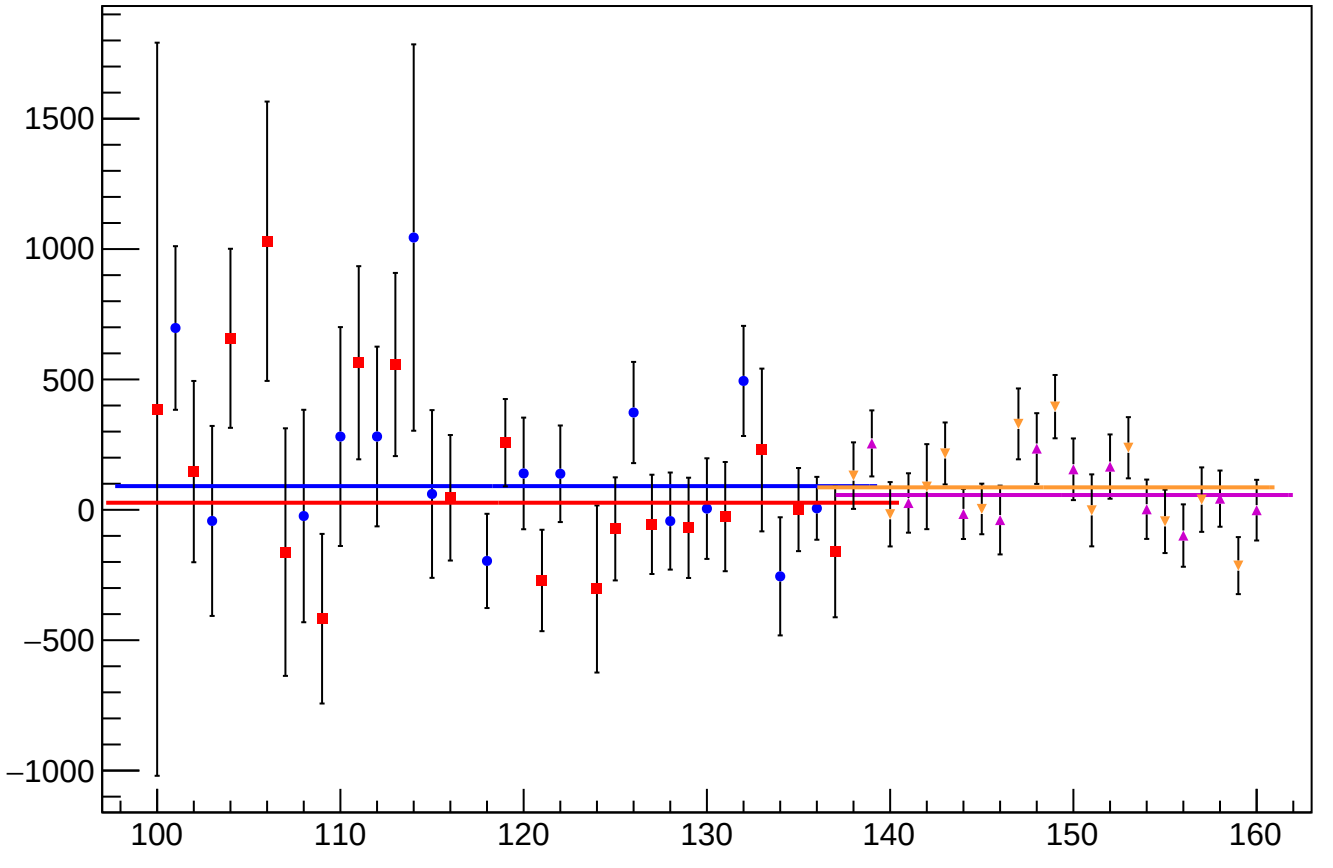
Left: 551.406+/-0.093 χ^2/NDF: 2850601.2/22

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.972+/-0.121 χ^2/NDF:6569344.6/26

Out: 652.161+/-0.127 χ^2/NDF:7185295.8/30

All: 637.418+/-0.088 χ^2/NDF: 13780521.4/57



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: 56.782+/-35.277 χ^2/NDF:9.0/10

Left: 71.520+/-24.928 χ^2/NDF: 32.7/22

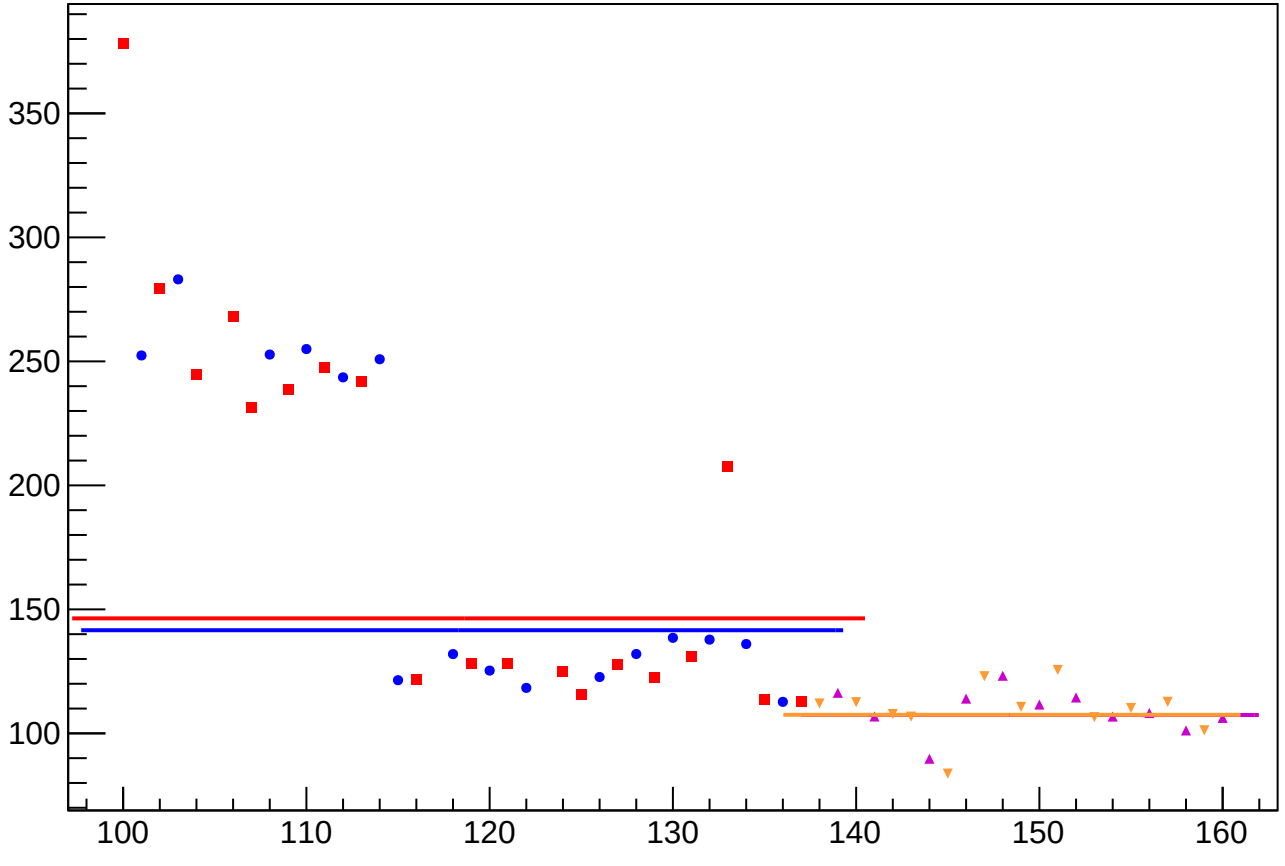
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 66.586+/-29.782 χ^2/NDF:27.3/26

Out: 69.903+/-29.970 χ^2/NDF:44.7/30

All: 68.234+/-21.125 χ^2/NDF: 72.0/57

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: 107.408+/-0.025 χ^2/NDF:125598.9/10

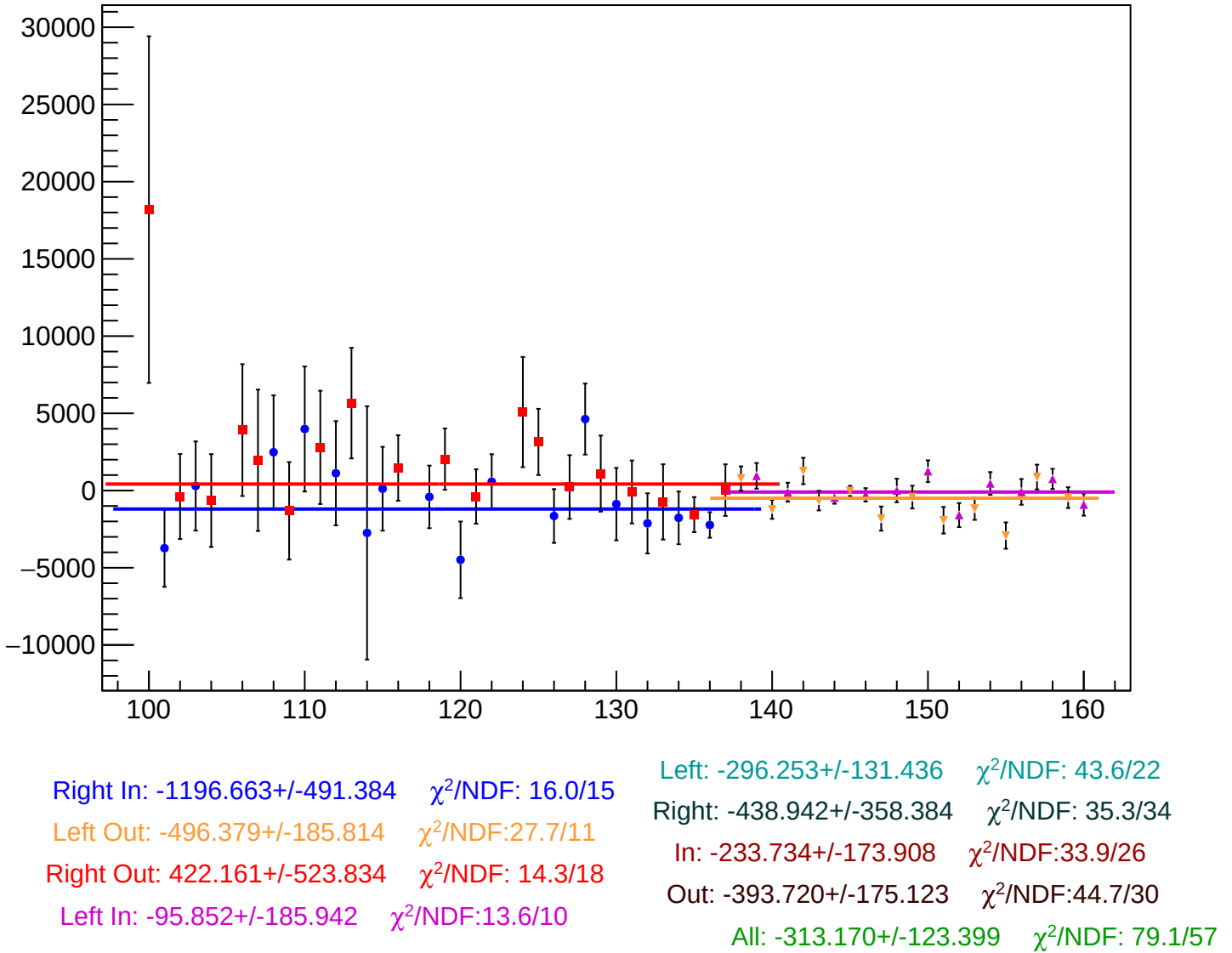
Left: 107.446+/-0.018 χ^2/NDF: 324581.2/22

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

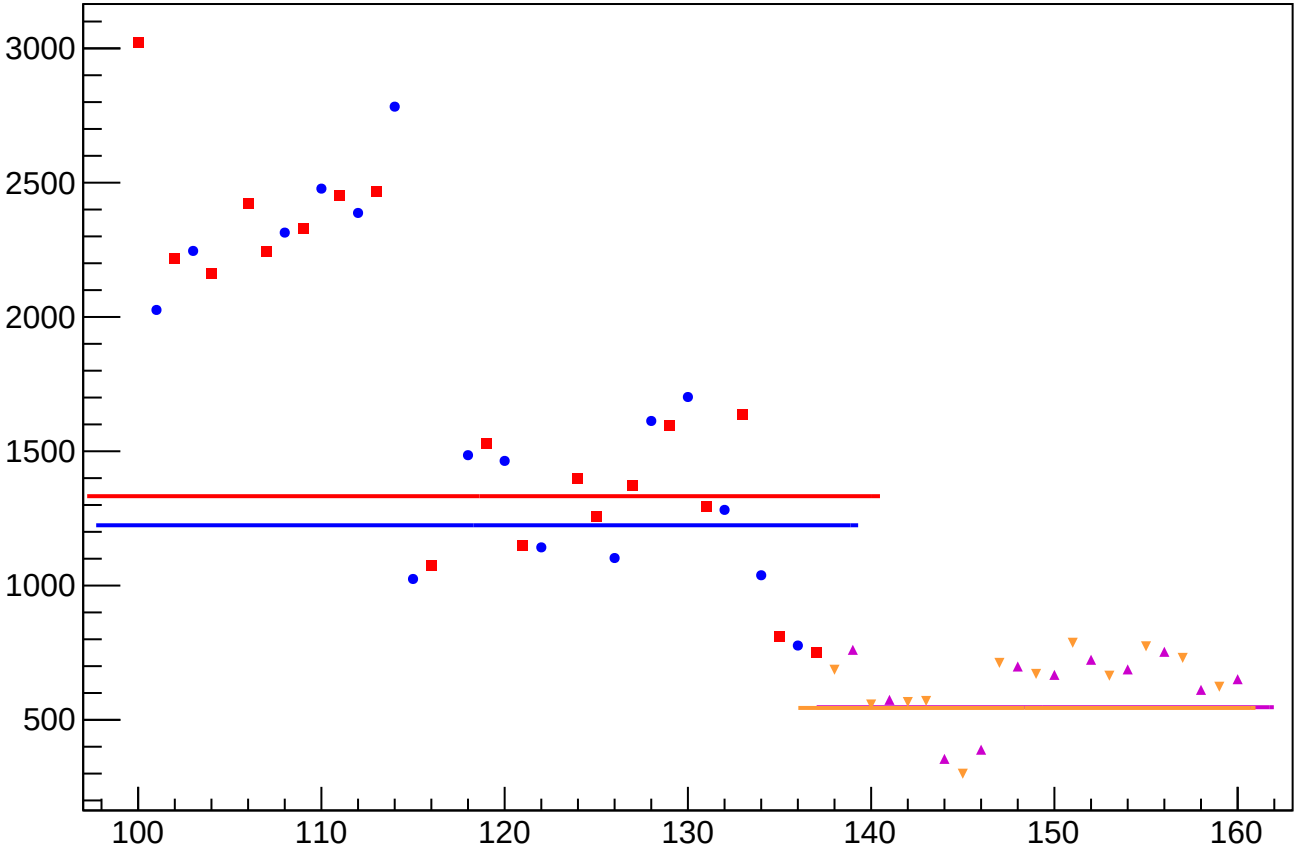
In: 117.226+/-0.021 χ^2/NDF:1927305.0/26

Out: 118.228+/-0.021 χ^2/NDF:2385854.9/30

All: 117.724+/-0.015 χ^2/NDF: 4314283.6/57


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: -95.852+/-185.942 χ²/NDF:13.6/10
Left: -296.253+/-131.436 χ²/NDF: 43.6/22
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -233.734+/-173.908 χ²/NDF:33.9/26
Out: -393.720+/-175.123 χ²/NDF:44.7/30
All: -313.170+/-123.399 χ²/NDF: 79.1/57

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



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: 547.129+/-0.131 χ^2/NDF:1383623.6/10

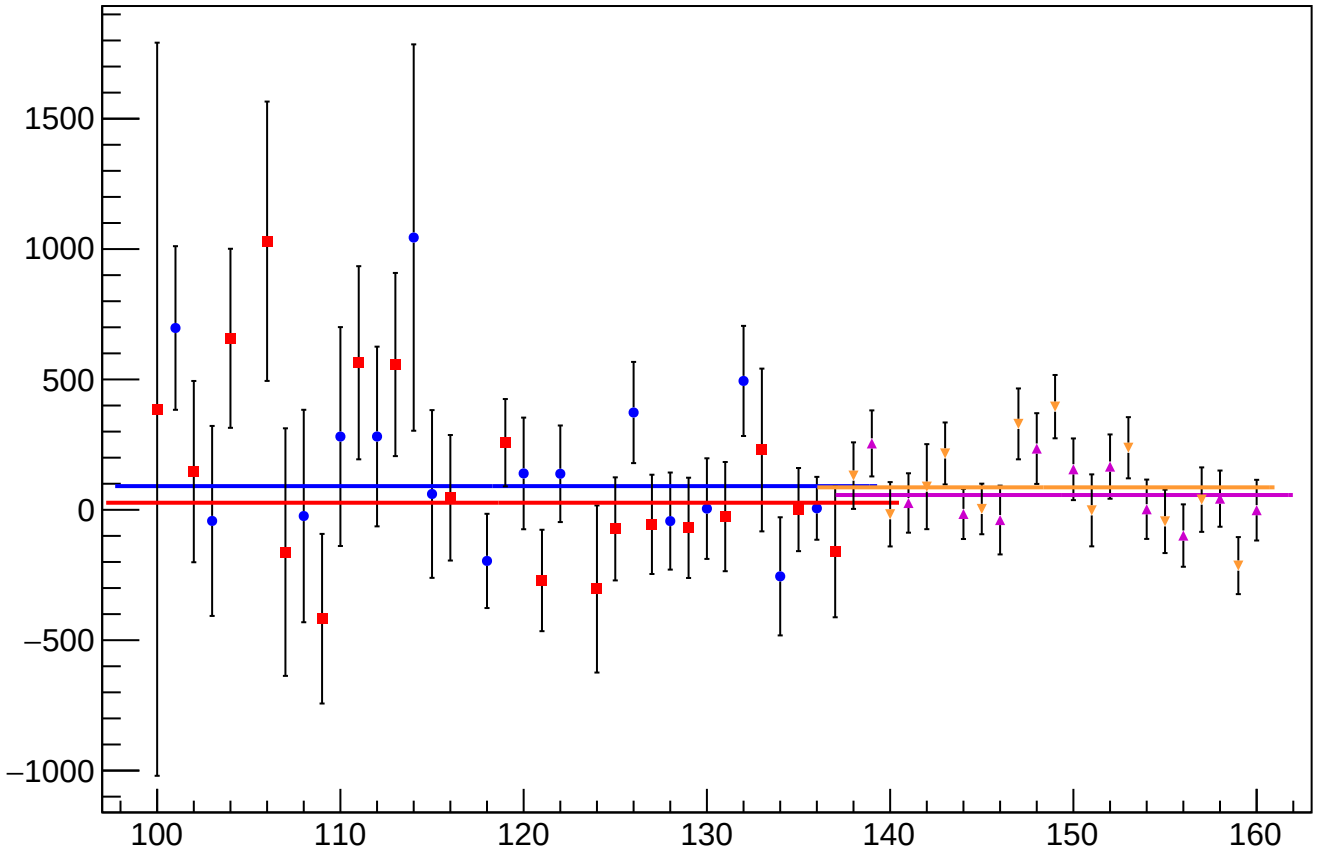
Left: 545.771+/-0.093 χ^2/NDF: 3173716.1/22

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 631.970+/-0.123 χ^2/NDF:6667163.3/26

Out: 632.526+/-0.124 χ^2/NDF:7808445.3/30

All: 632.246+/-0.087 χ^2/NDF: 14475618.8/57



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: 56.780+/-35.277 χ^2/NDF:9.0/10

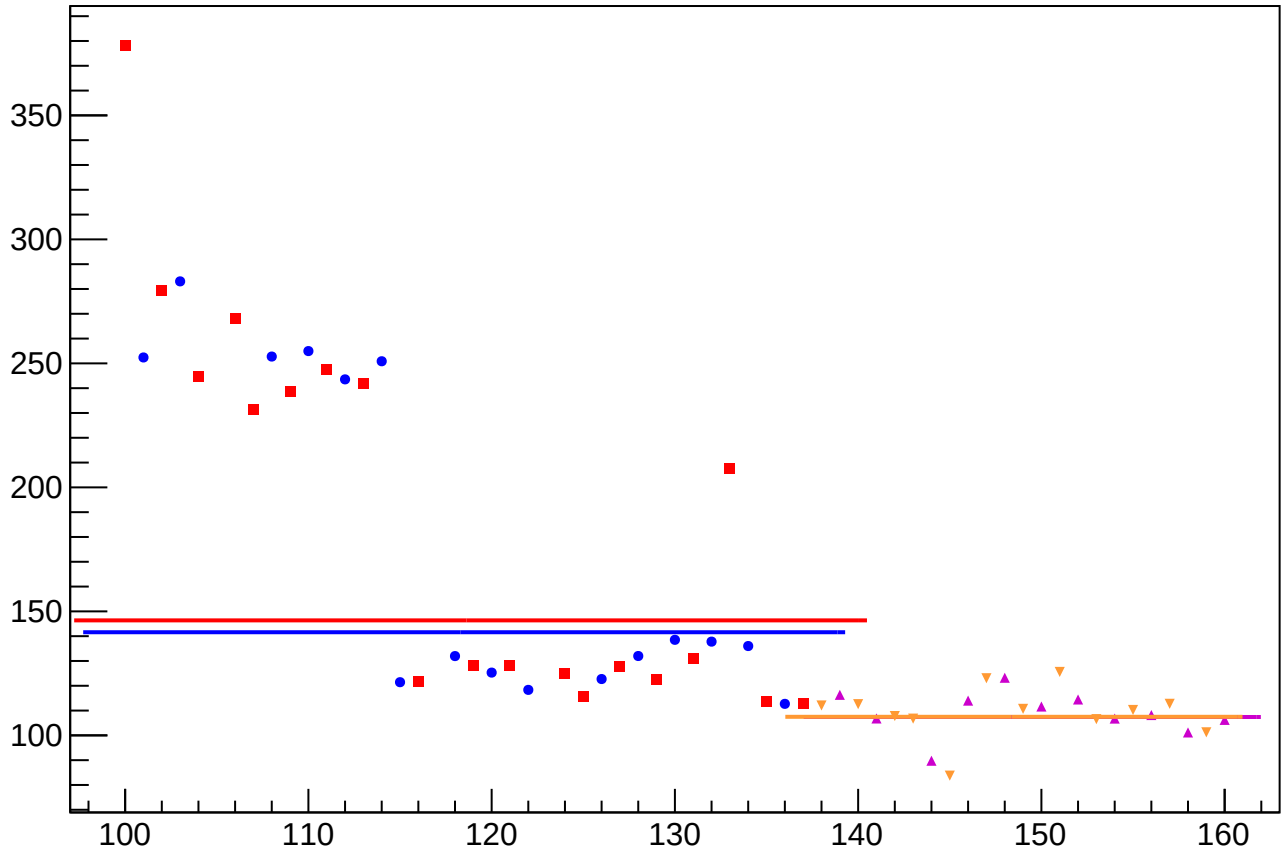
Left: 71.519+/-24.928 χ^2/NDF: 32.7/22

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 66.585+/-29.782 χ^2/NDF:27.3/26

Out: 69.903+/-29.970 χ^2/NDF:44.7/30

All: 68.234+/-21.125 χ^2/NDF: 72.0/57



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: 107.408+/-0.025 χ^2/NDF:125597.6/10

Left: 107.446+/-0.018 χ^2/NDF: 324572.7/22

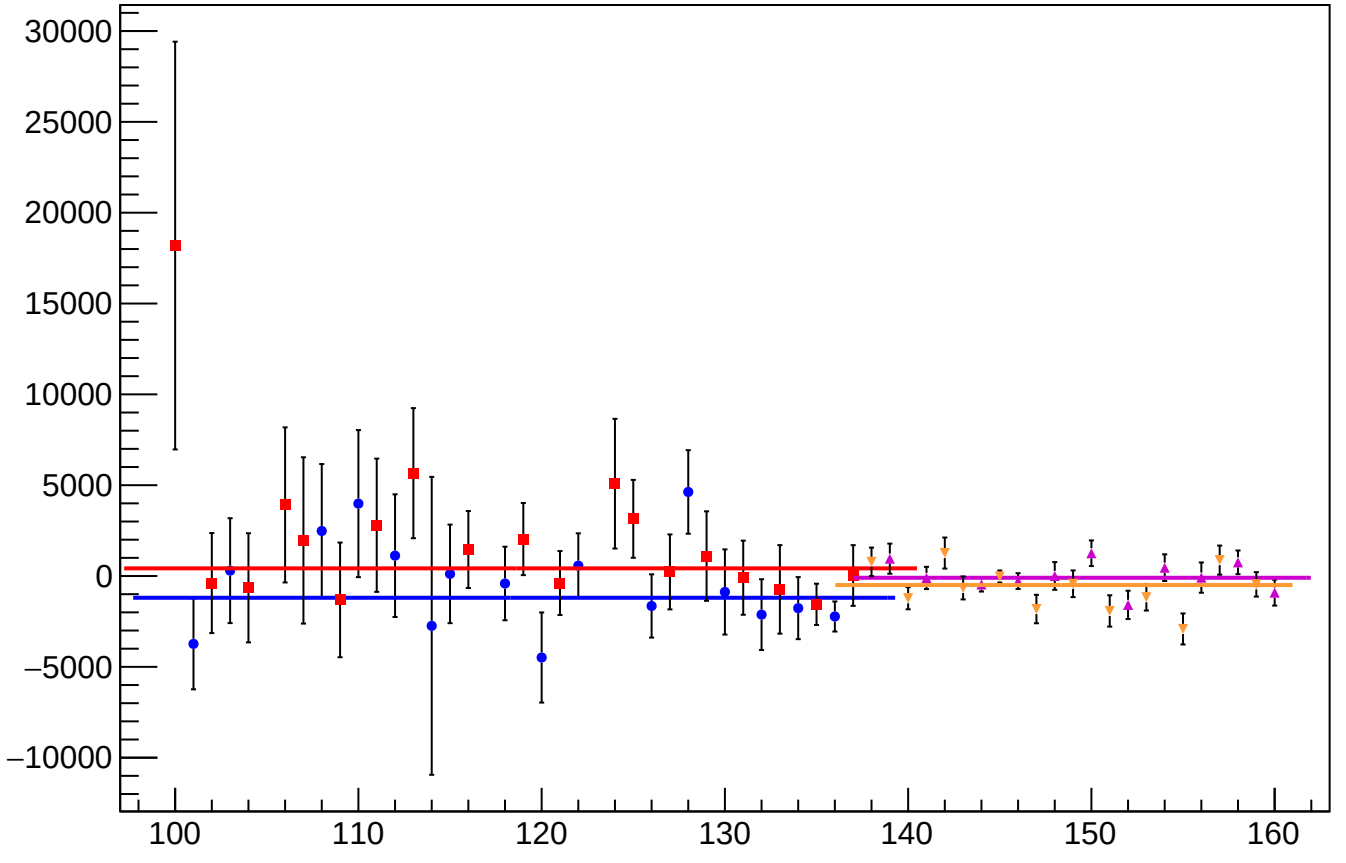
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 117.226+/-0.021 χ^2/NDF:1927259.2/26

Out: 118.228+/-0.021 χ^2/NDF:2385809.5/30

All: 117.724+/-0.015 χ^2/NDF: 4314192.7/57

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -496.377+/-185.814 χ^2/NDF:27.7/11

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -95.852+/-185.942 χ^2/NDF:13.6/10

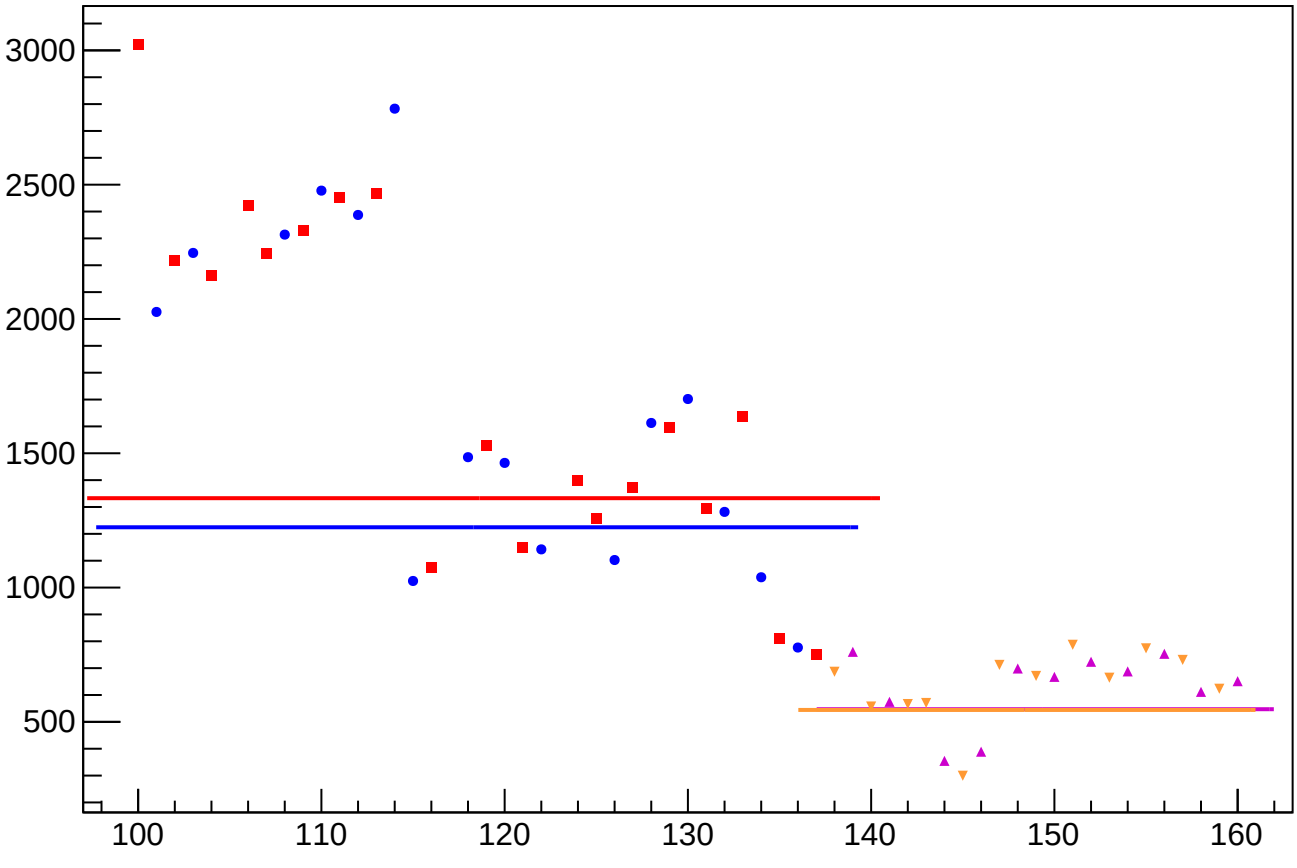
Left: -296.252+/-131.436 χ^2/NDF: 43.6/22

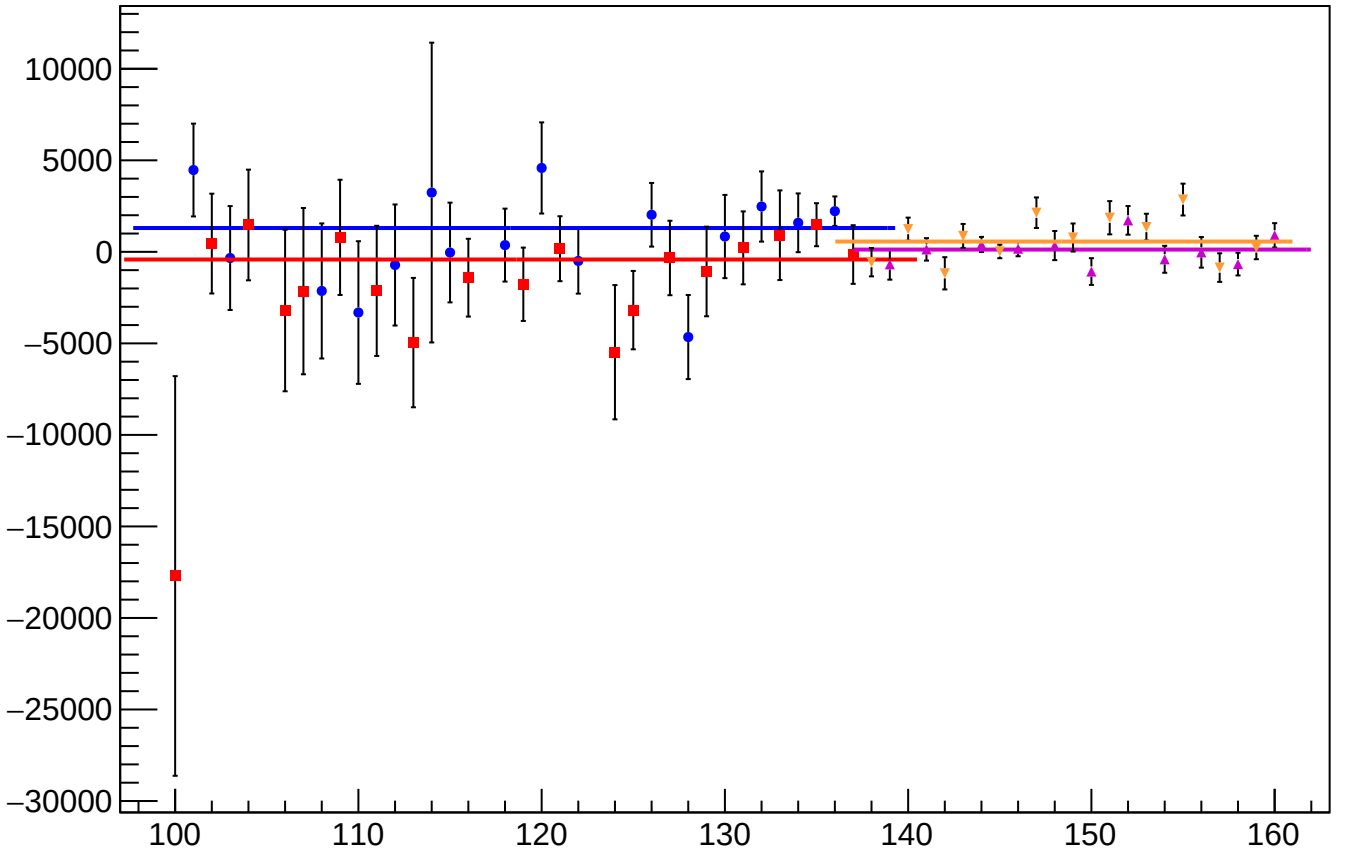
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -233.734+/-173.908 χ^2/NDF:33.9/26

Out: -393.718+/-175.123 χ^2/NDF:44.7/30

All: -313.169+/-123.399 χ^2/NDF: 79.1/57


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: 547.128+/-0.131 χ²/NDF:1383641.3/10
Left: 545.769+/-0.093 χ²/NDF: 3173780.2/22
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 631.969+/-0.123 χ²/NDF:6667173.7/26
Out: 632.524+/-0.124 χ²/NDF:7808499.4/30
All: 632.244+/-0.087 χ²/NDF: 14475683.3/57



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: 124.973+/-185.925 χ^2/NDF:11.9/10

Left: 335.069+/-134.049 χ^2/NDF: 41.5/22

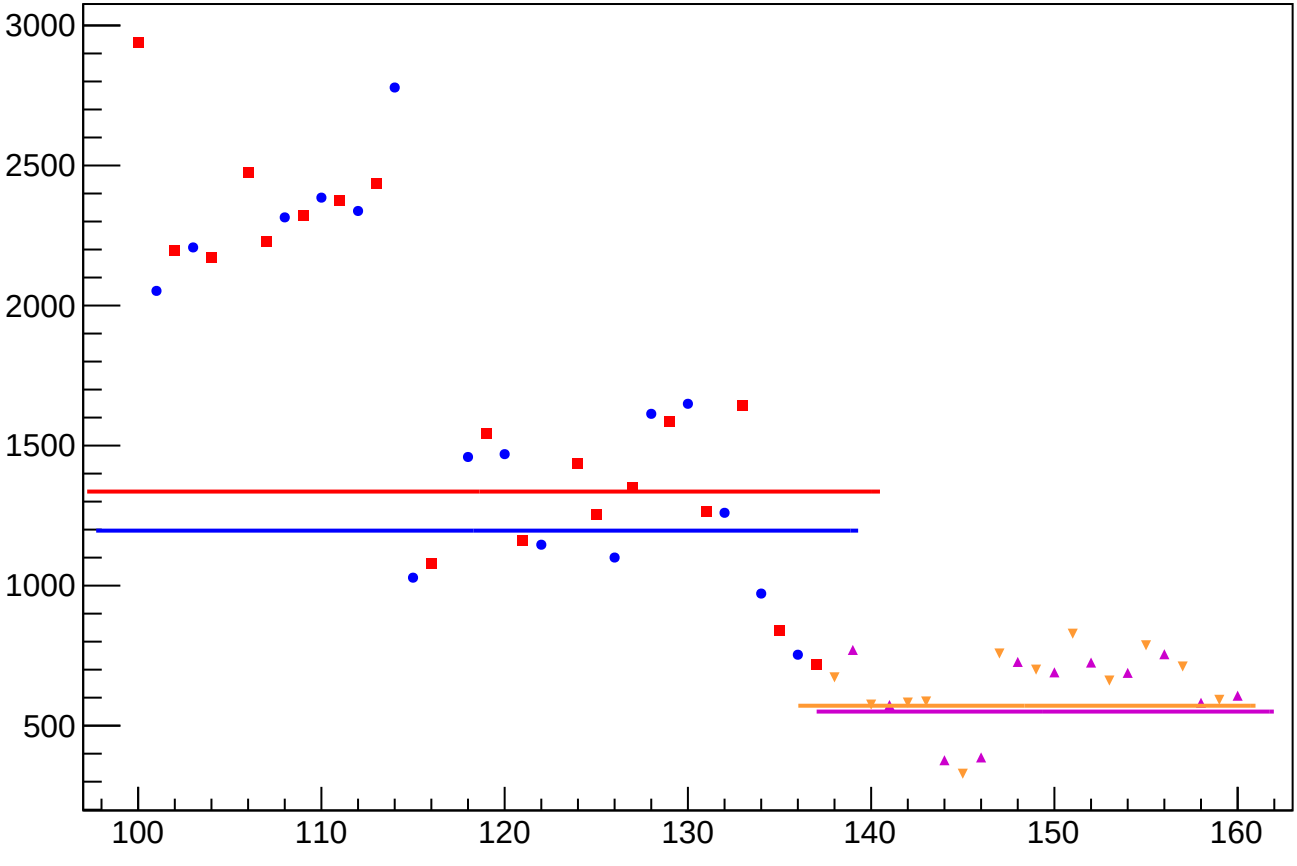
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 277.396+/-173.465 χ^2/NDF:33.5/26

Out: 445.072+/-181.496 χ^2/NDF:43.0/30

All: 357.442+/-125.401 χ^2/NDF: 77.0/57

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: 550.275+/-0.131 χ^2/NDF:1286811.6/10

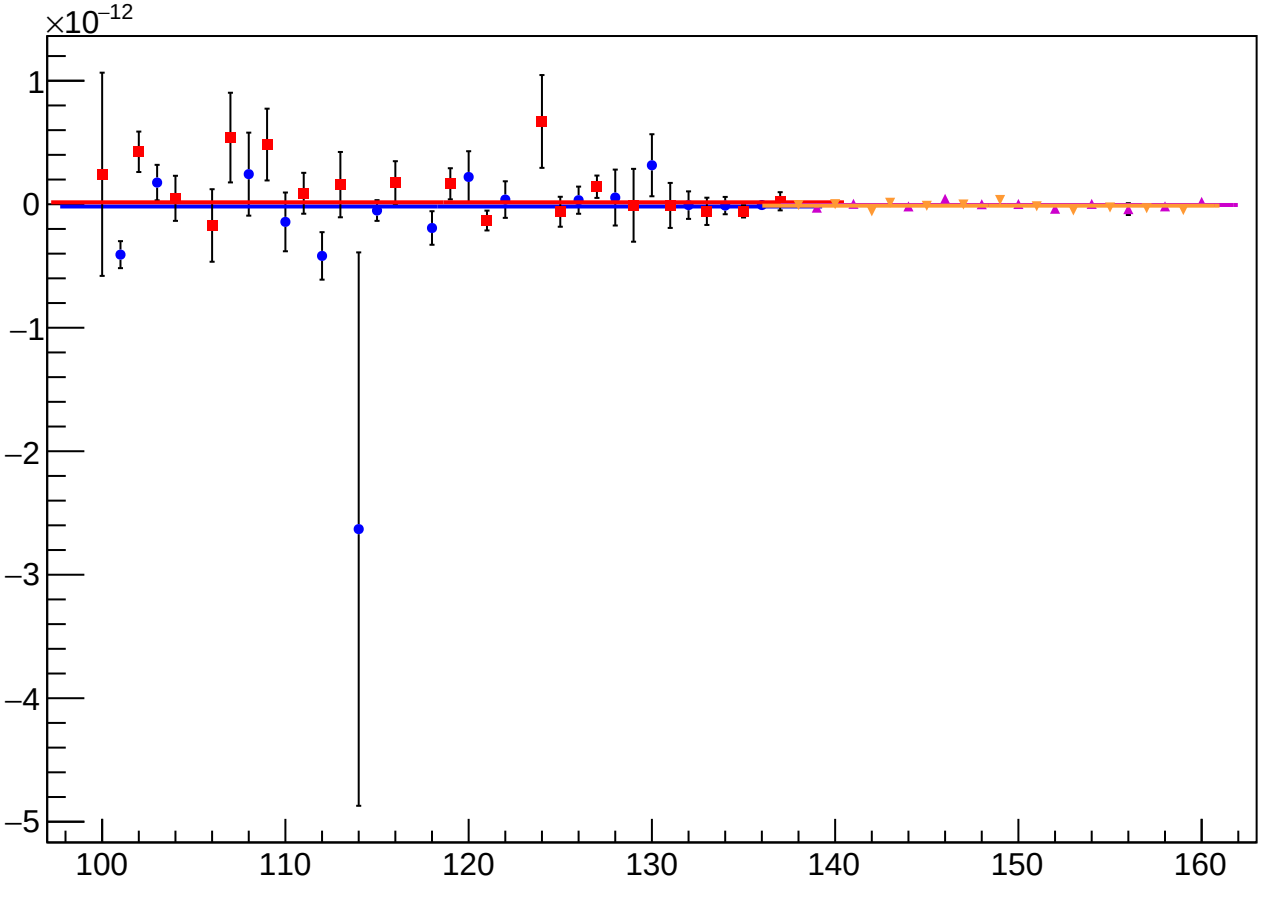
Left: 560.322+/-0.095 χ^2/NDF: 2728021.4/22

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 633.968+/-0.123 χ^2/NDF:6446971.0/26

Out: 662.748+/-0.128 χ^2/NDF:7121706.0/30

All: 647.707+/-0.089 χ^2/NDF: 13594958.5/57



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:12.5/10

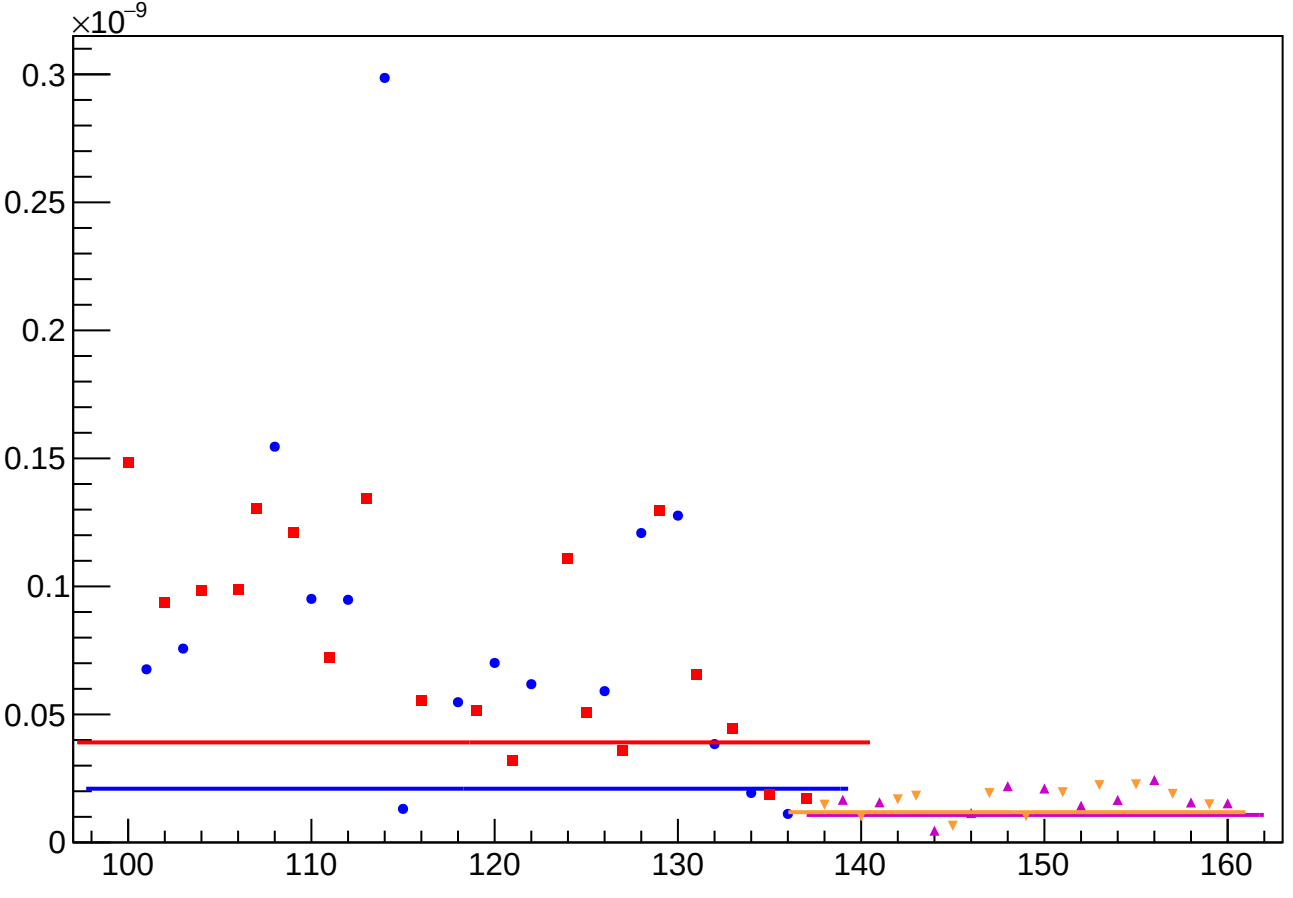
Left: -0.000+/-0.000 χ^2/NDF: 23.3/22

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:39.7/26

Out: -0.000+/-0.000 χ^2/NDF:36.9/30

All: -0.000+/-0.000 χ^2/NDF: 76.8/57



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:1797656.1/10

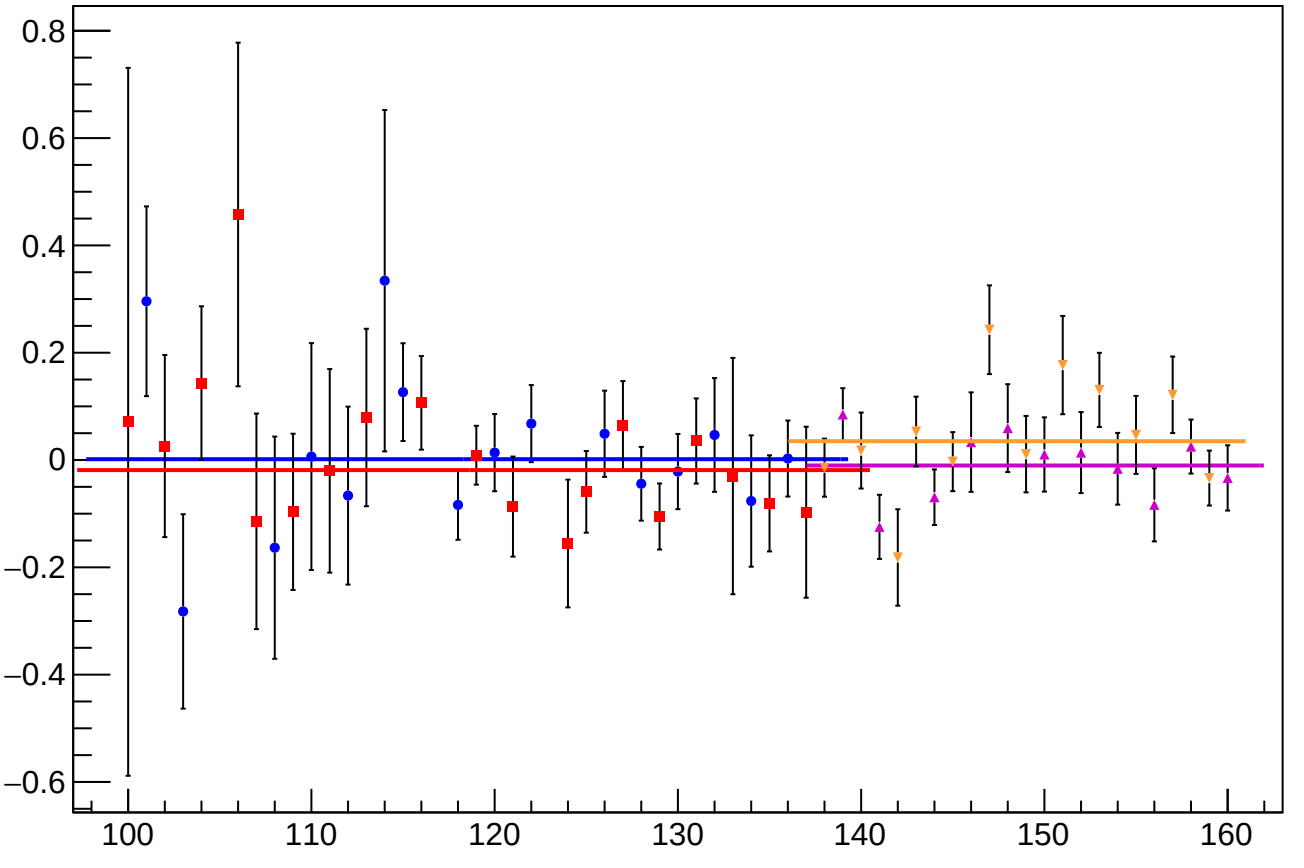
Left: 0.000+/-0.000 χ^2/NDF: 3161420.0/22

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5763466.7/26

Out: 0.000+/-0.000 χ^2/NDF:5258146.1/30

All: 0.000+/-0.000 χ^2/NDF: 11070421.9/57



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: -0.010+/-0.019 χ^2/NDF:11.7/10

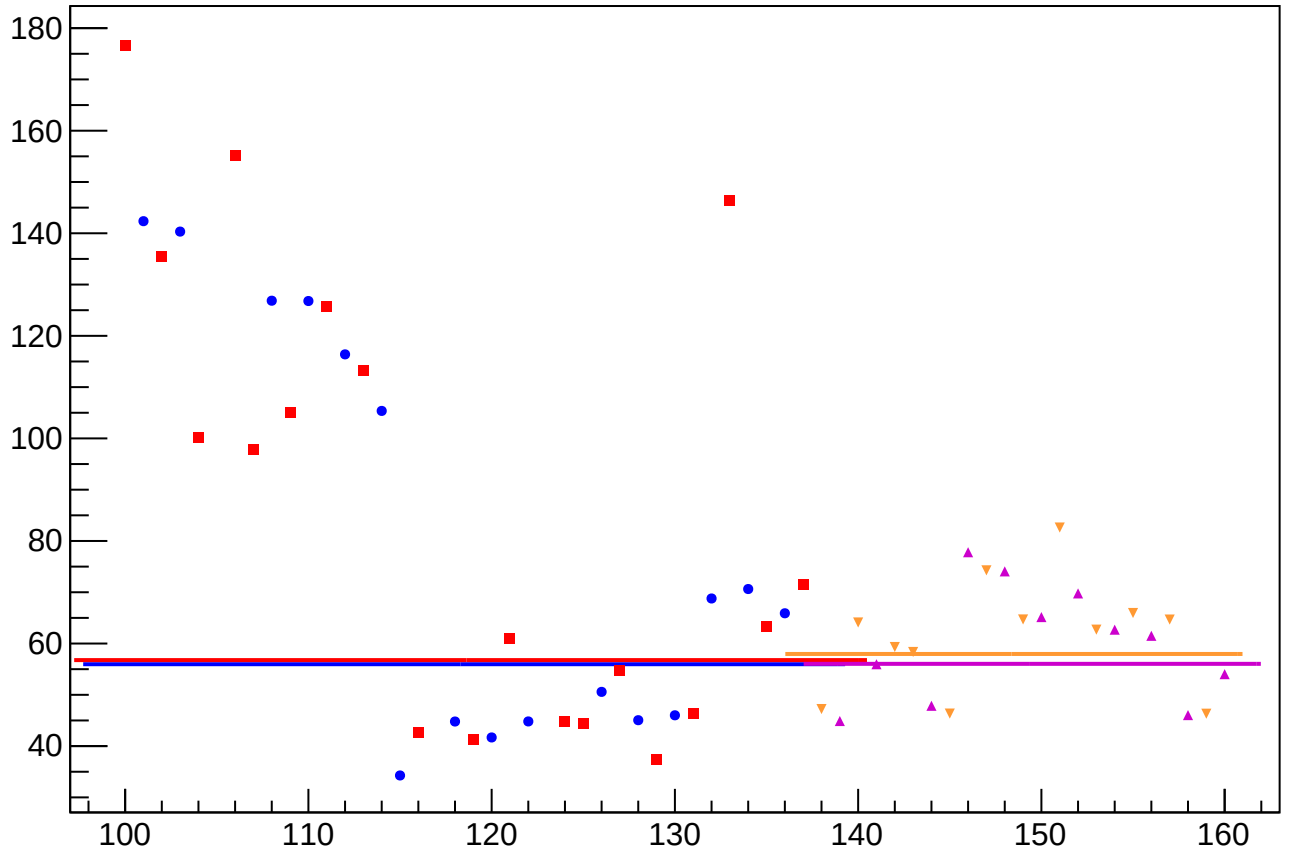
Left: 0.012+/-0.013 χ^2/NDF: 35.8/22

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.004+/-0.010 χ^2/NDF: 63.2/57



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: 56.040+/-0.013 χ^2/NDF:575110.0/10

Left: 56.977+/-0.010 χ^2/NDF: 1164331.0/22

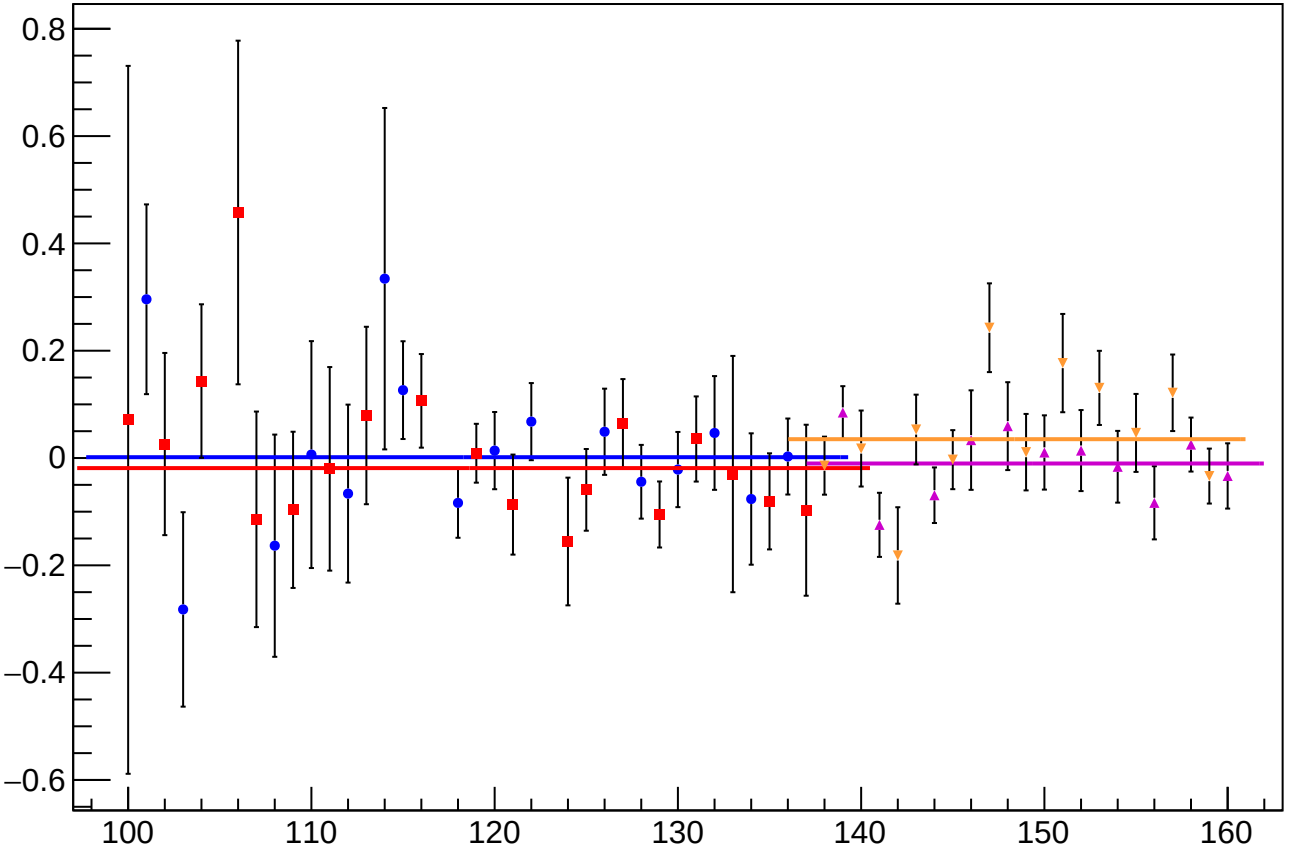
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.012+/-0.010 χ^2/NDF:2754950.8/26

Out: 57.484+/-0.011 χ^2/NDF:3135346.5/30

All: 56.734+/-0.007 χ^2/NDF: 5900174.8/57

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: -0.010+/-0.019 χ^2/NDF:11.7/10

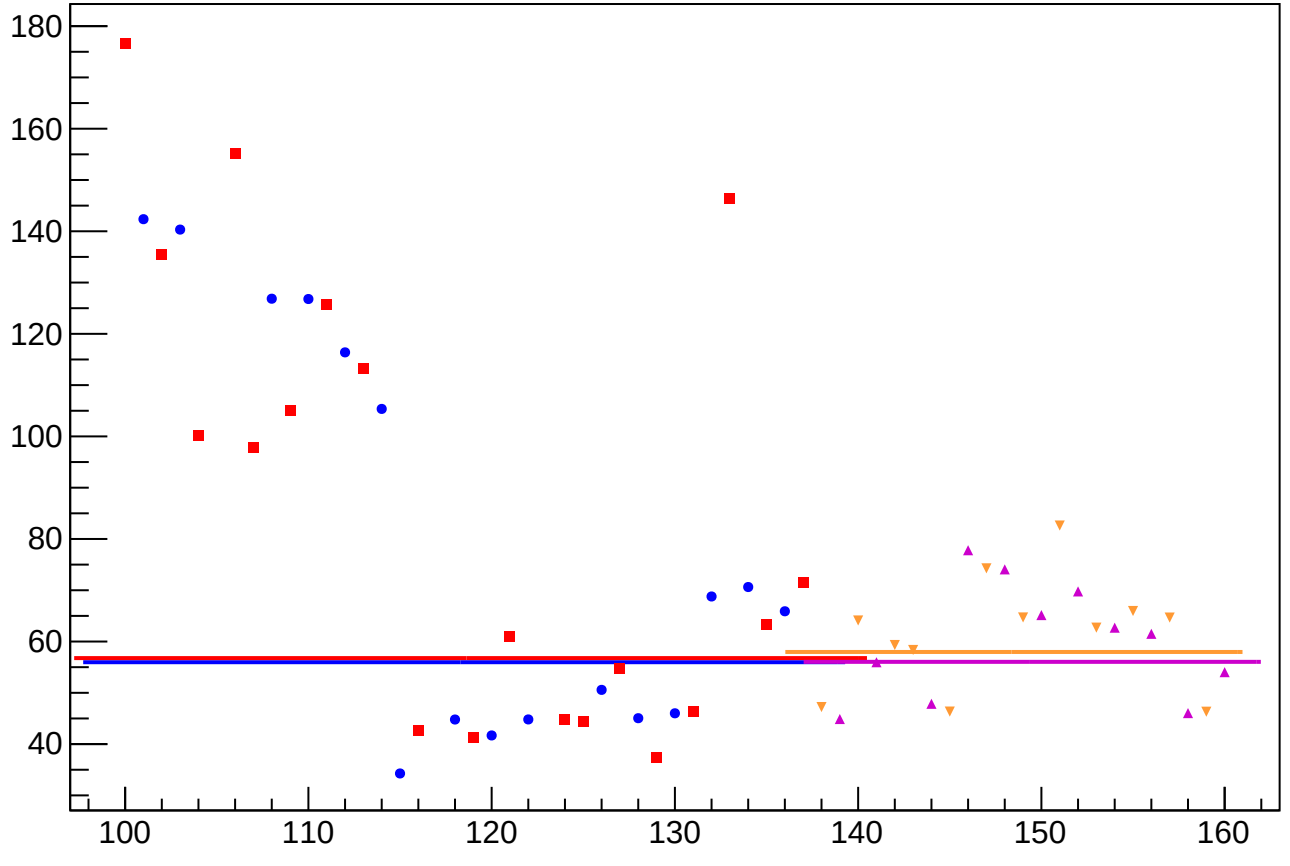
Left: 0.012+/-0.013 χ^2/NDF: 35.8/22

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.004+/-0.010 χ^2/NDF: 63.2/57



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: 56.040+/-0.013 χ^2/NDF:575110.0/10

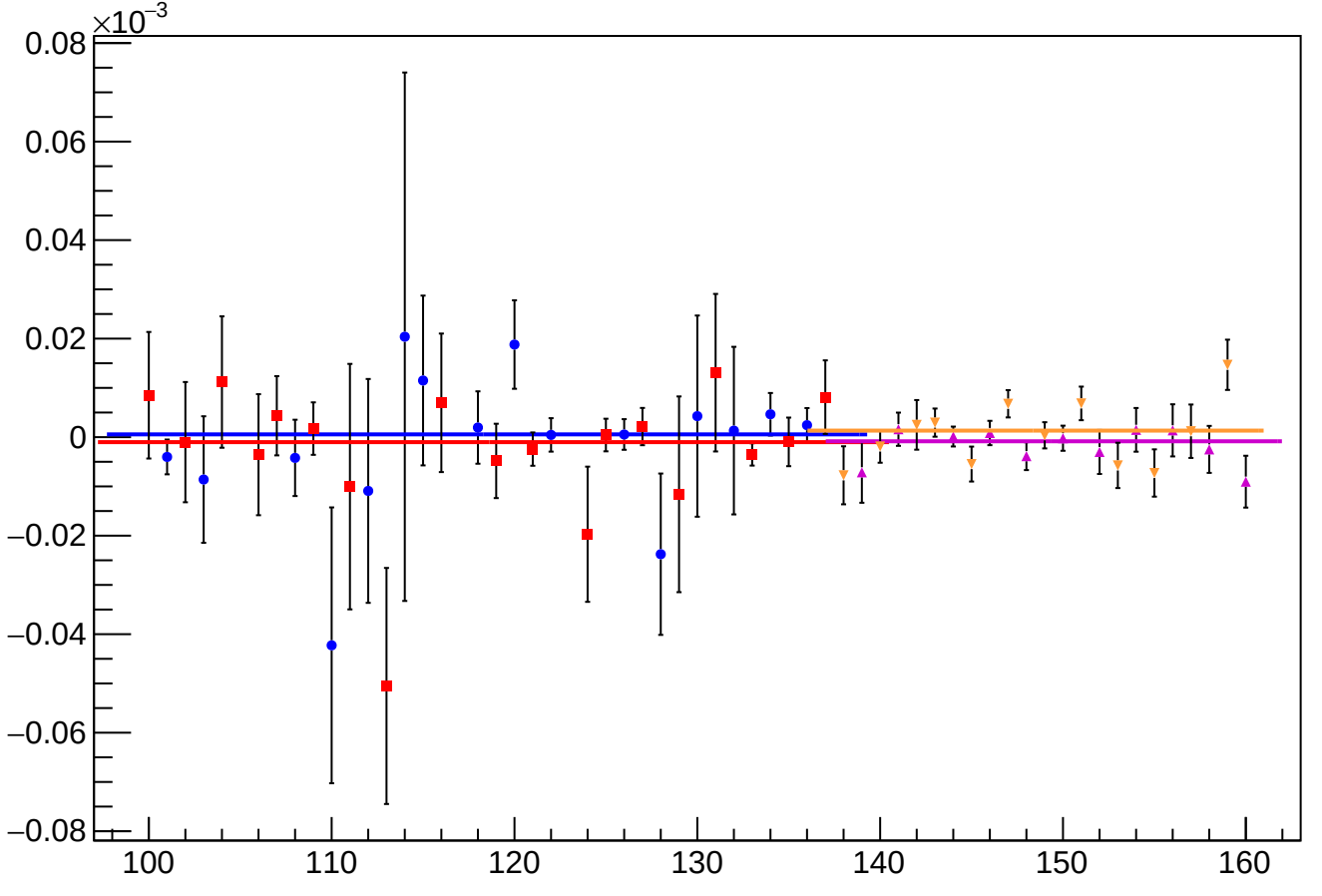
Left: 56.977+/-0.010 χ^2/NDF: 1164331.0/22

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.012+/-0.010 χ^2/NDF:2754950.8/26

Out: 57.484+/-0.011 χ^2/NDF:3135346.5/30

All: 56.734+/-0.007 χ^2/NDF: 5900174.8/57



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:6.7/10

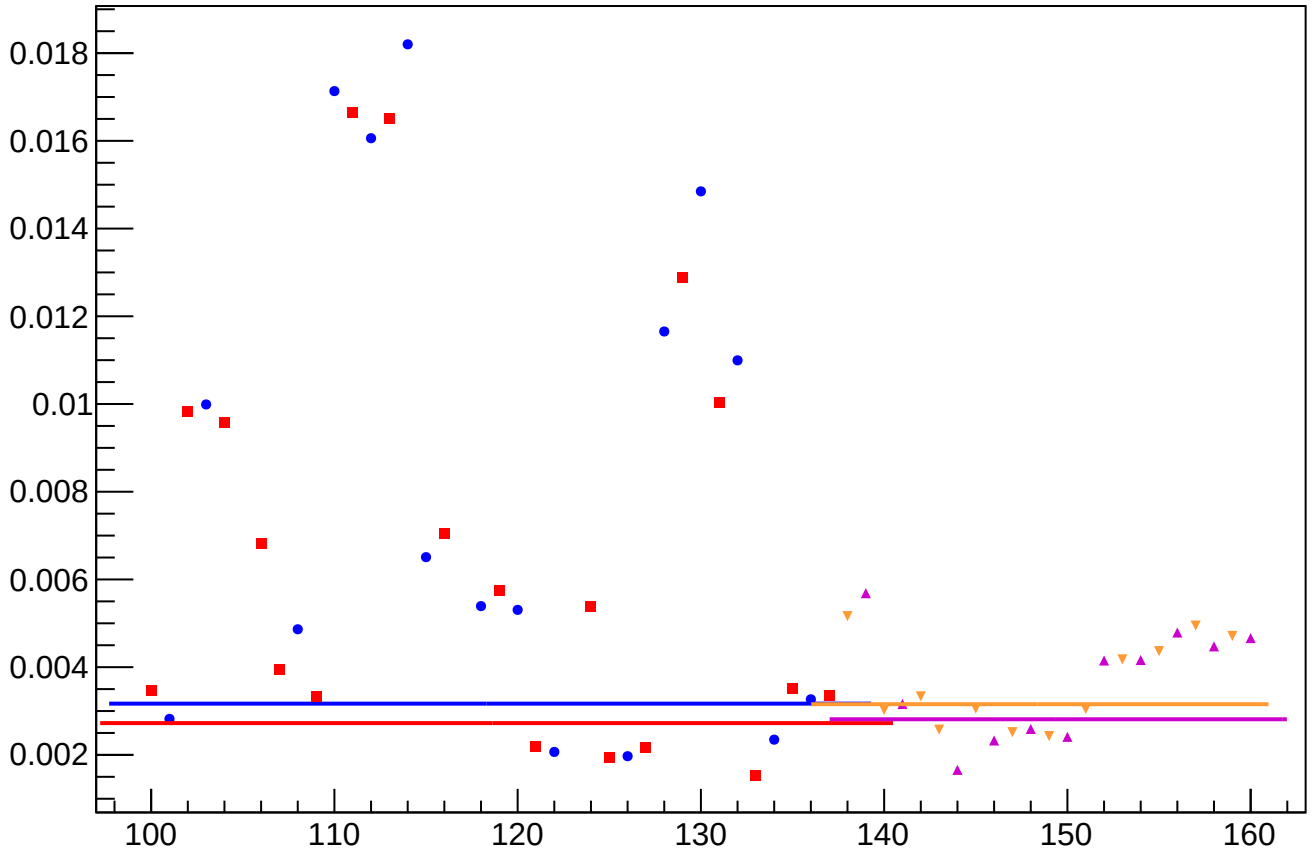
Left: 0.000+/-0.000 χ^2/NDF: 35.3/22

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:20.6/26

Out: 0.000+/-0.000 χ^2/NDF:42.2/30

All: -0.000+/-0.000 χ^2/NDF: 63.3/57



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:2381511.4/10

Left: 0.003+/-0.000 χ^2/NDF: 3703257.4/22

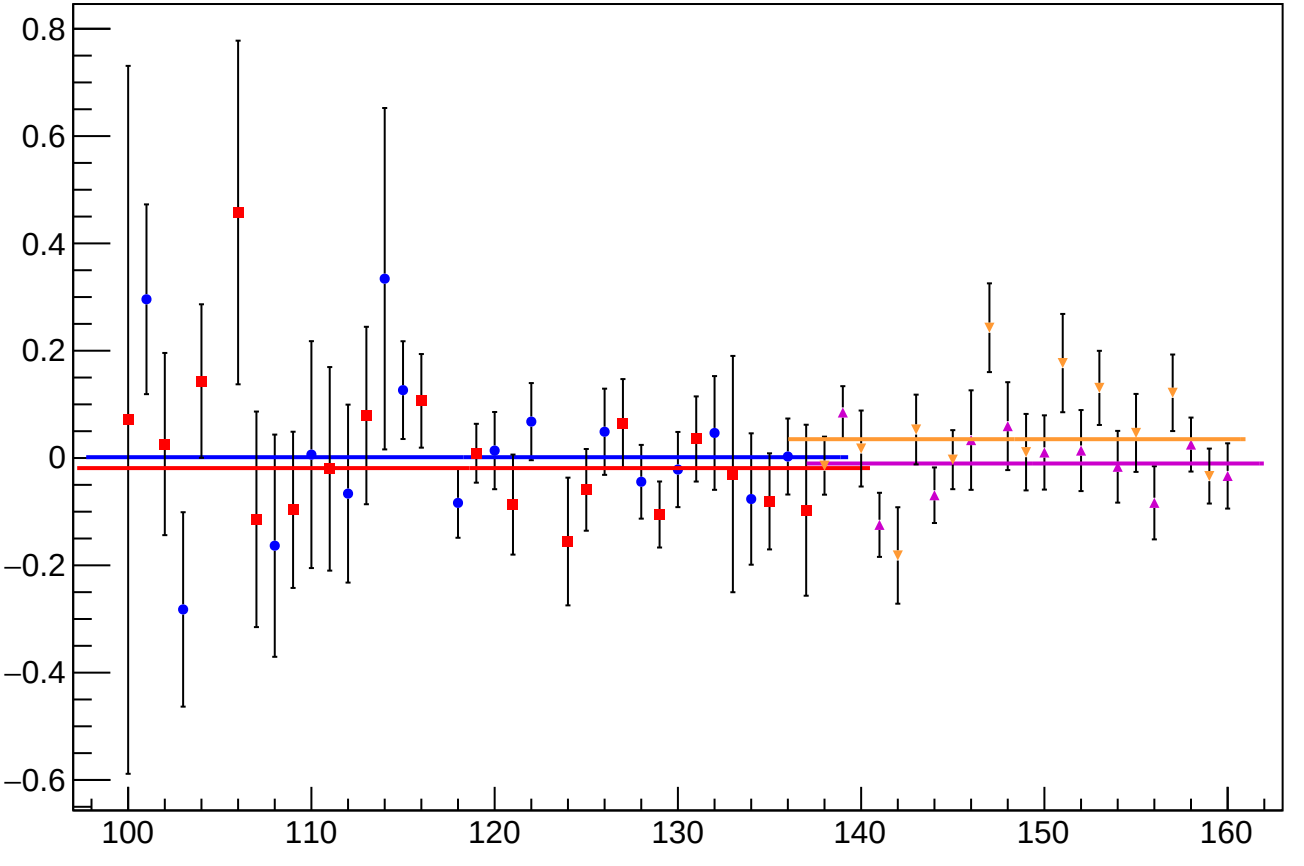
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7009589.8/26

Out: 0.003+/-0.000 χ^2/NDF:6498214.4/30

All: 0.003+/-0.000 χ^2/NDF: 13511948.0/57

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.035+/-0.019 χ^2/NDF:21.3/11

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.010+/-0.019 χ^2/NDF:11.7/10

Left: 0.012+/-0.013 χ^2/NDF: 35.8/22

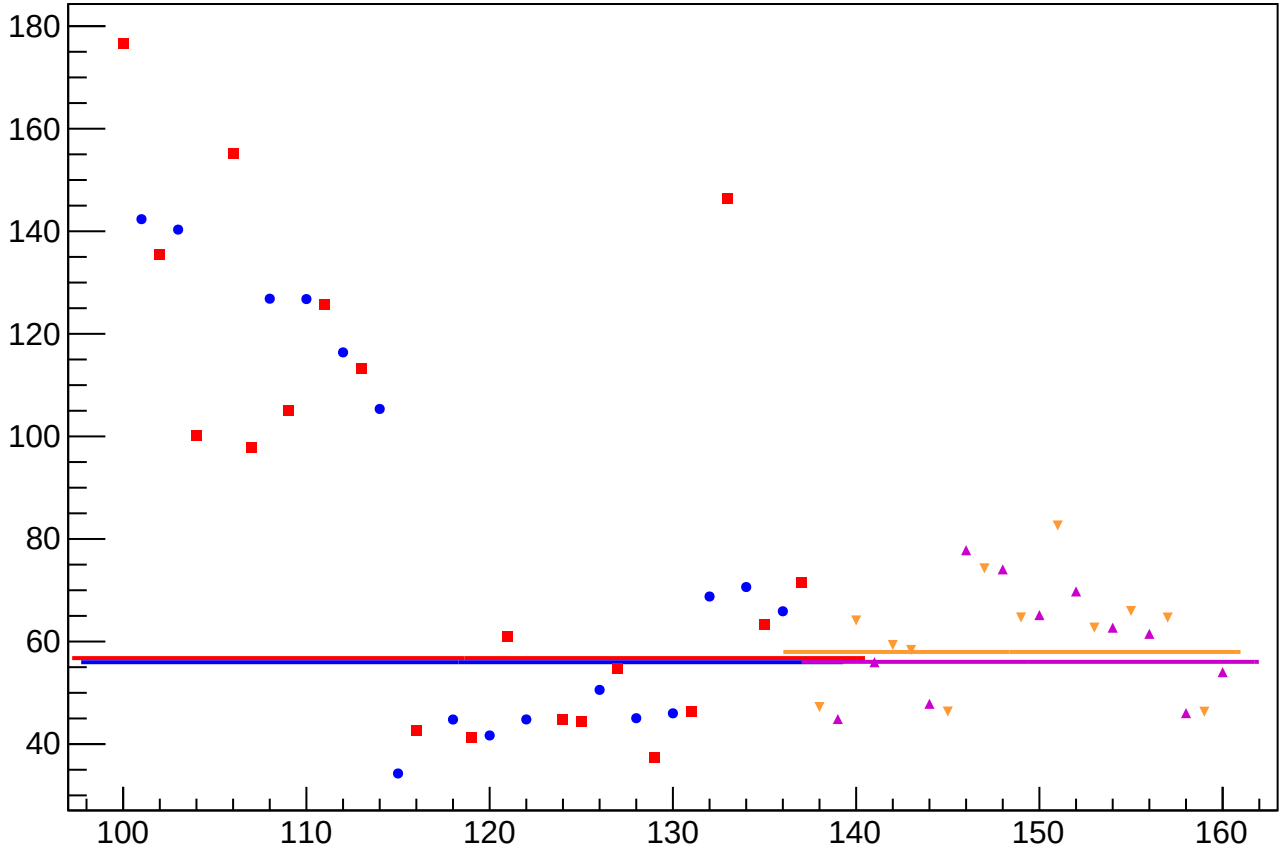
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.004+/-0.010 χ^2/NDF: 63.2/57

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: 56.041+/-0.013 χ^2/NDF:575107.9/10

Left: 56.977+/-0.010 χ^2/NDF: 1164324.5/22

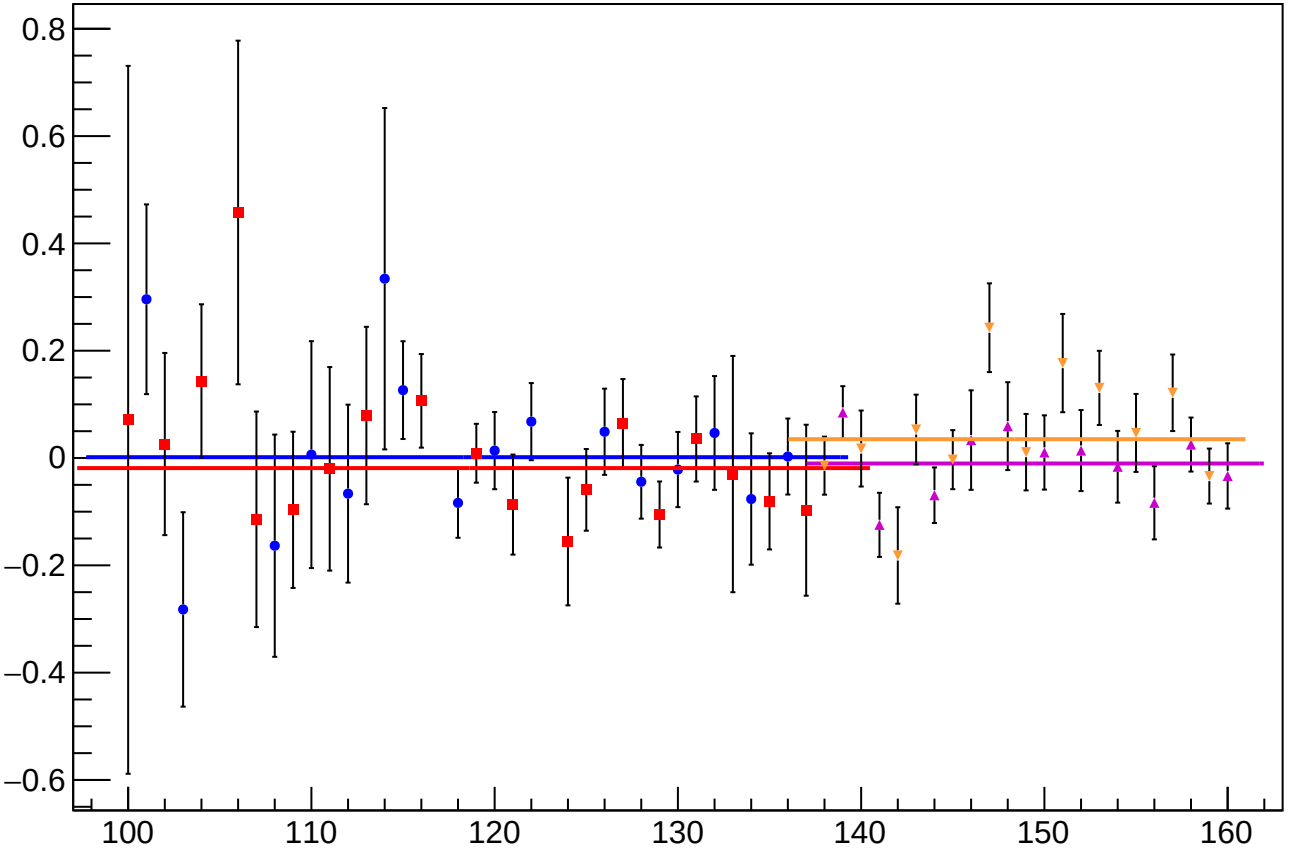
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.012+/-0.010 χ^2/NDF:2754877.3/26

Out: 57.484+/-0.011 χ^2/NDF:3135292.3/30

All: 56.734+/-0.007 χ^2/NDF: 5900045.7/57

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: -0.010+/-0.019 χ^2/NDF:11.7/10

Left: 0.012+/-0.013 χ^2/NDF: 35.8/22

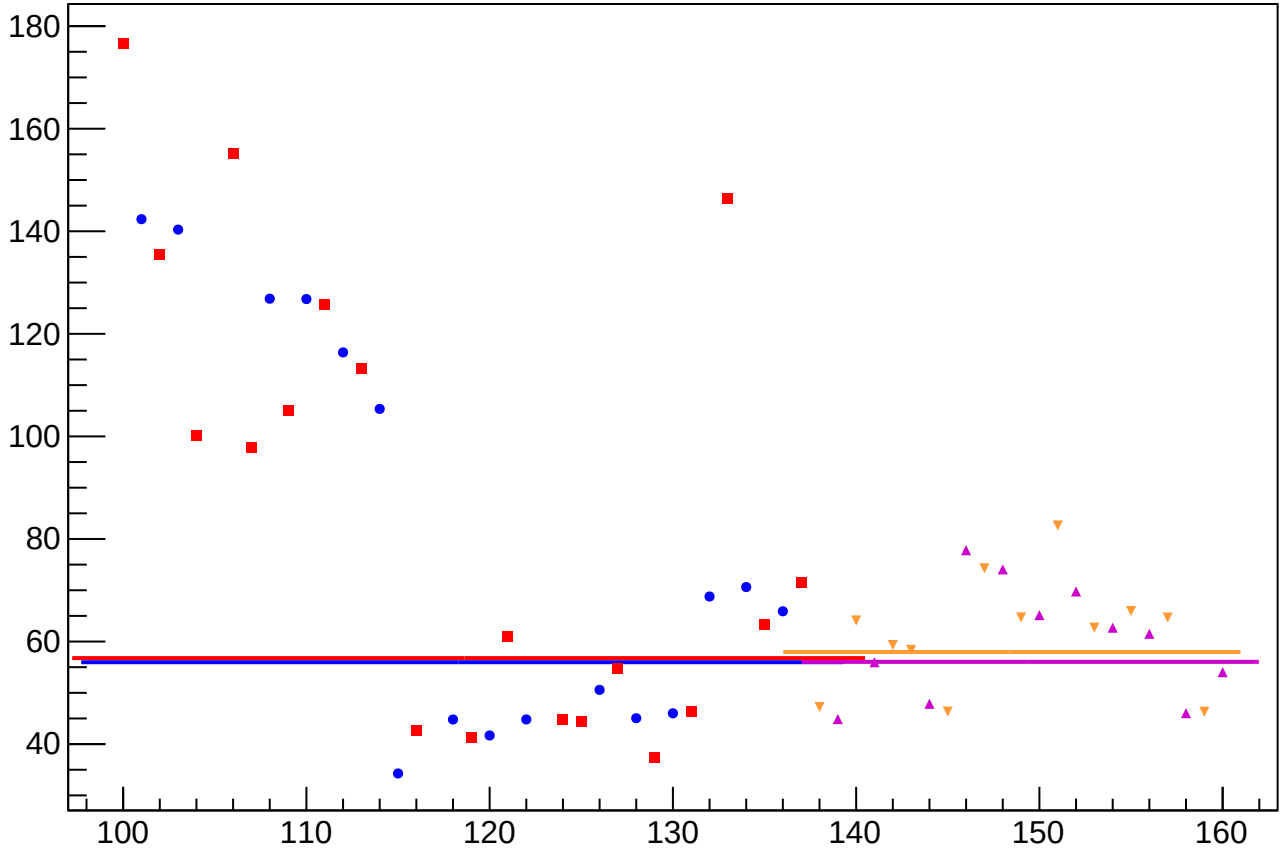
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.013+/-0.015 χ^2/NDF:37.5/30

All: 0.004+/-0.010 χ^2/NDF: 63.2/57

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: 56.041+/-0.013 χ^2/NDF:575107.9/10

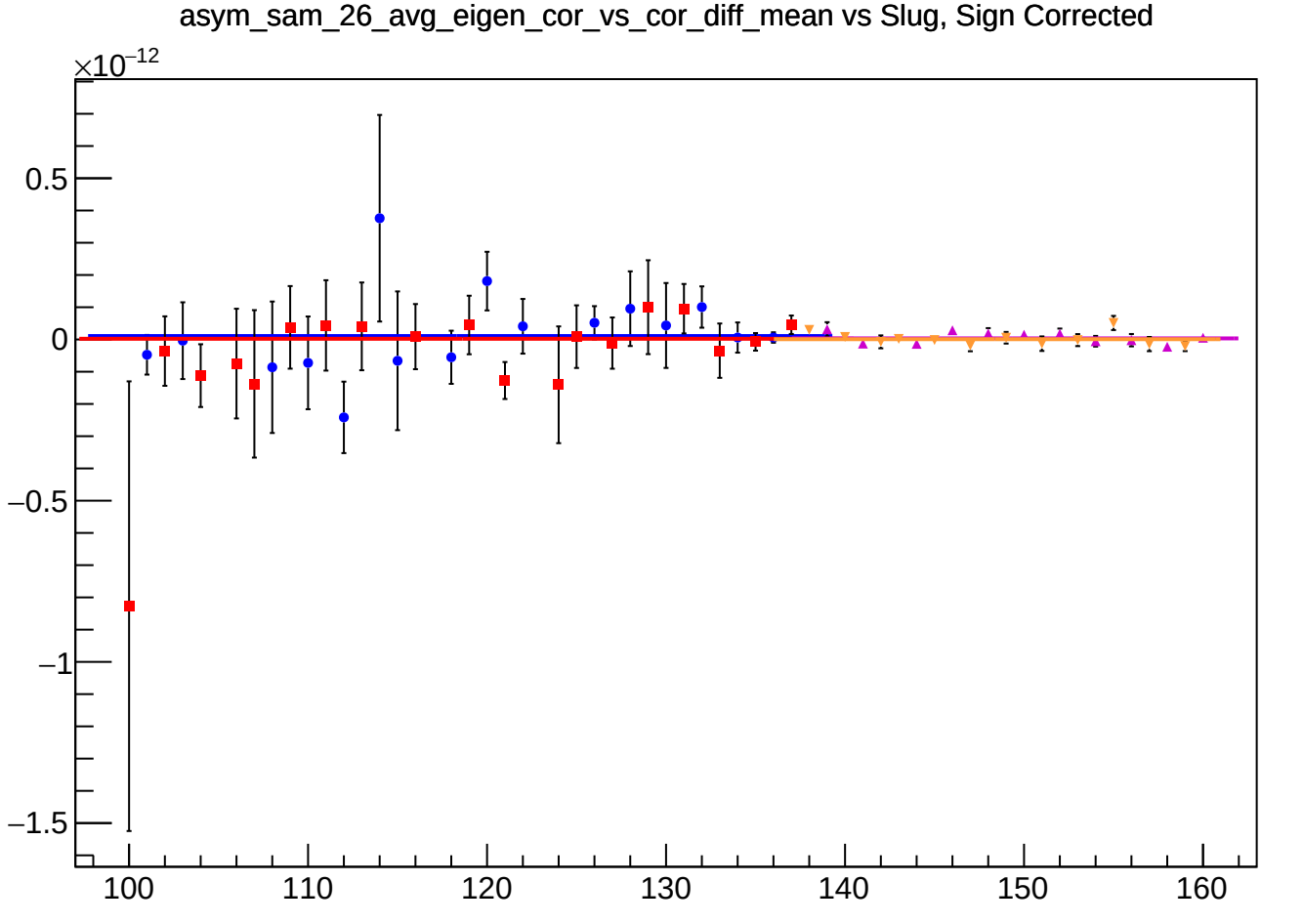
Left: 56.977+/-0.010 χ^2/NDF: 1164324.5/22

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.012+/-0.010 χ^2/NDF:2754877.3/26

Out: 57.484+/-0.011 χ^2/NDF:3135292.3/30

All: 56.734+/-0.007 χ^2/NDF: 5900045.7/57



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:24.6/10

Left: 0.000+/-0.000 χ^2/NDF: 39.6/22

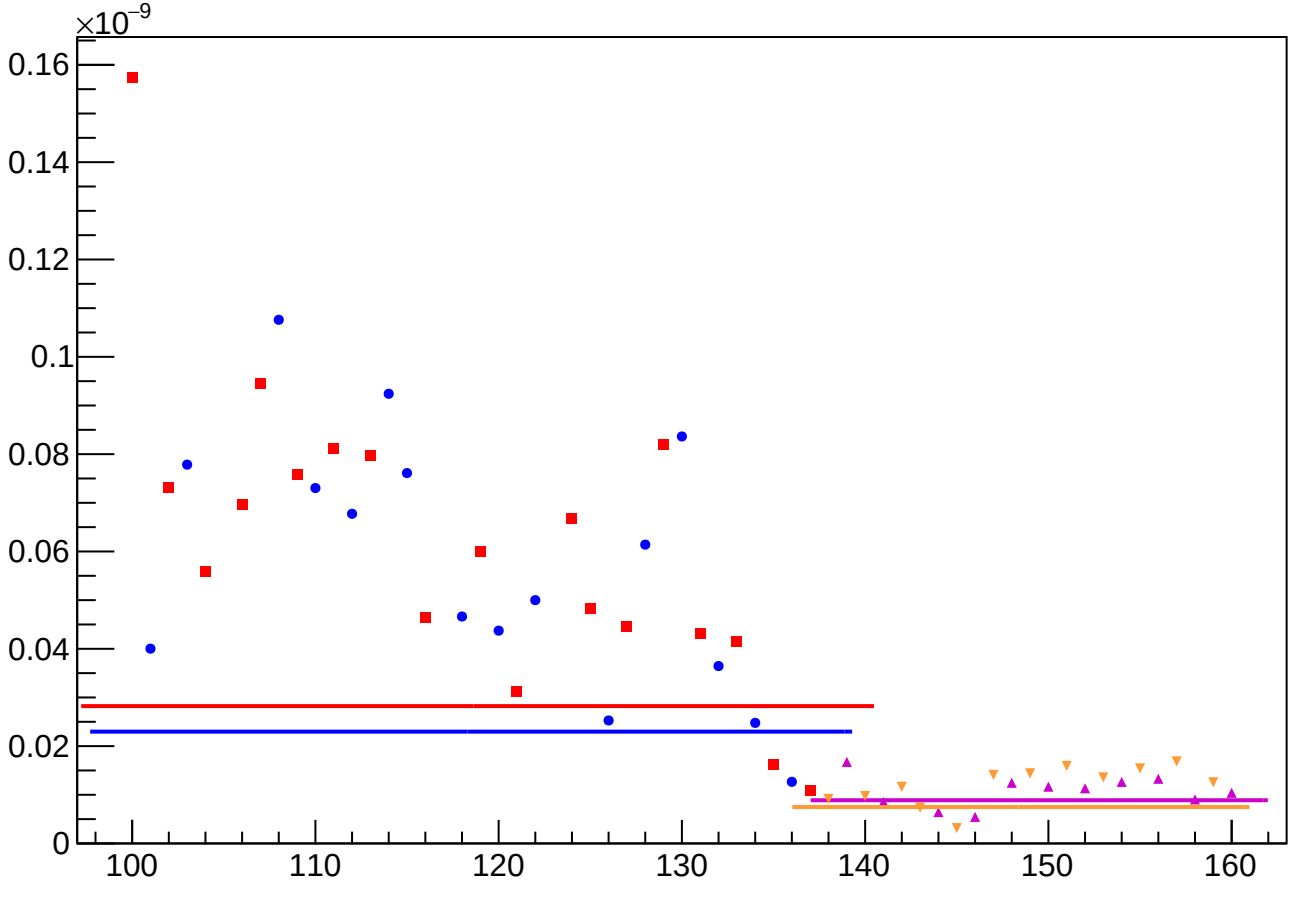
Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:40.6/26

Out: 0.000+/-0.000 χ^2/NDF:29.0/30

All: 0.000+/-0.000 χ^2/NDF: 69.9/57

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3528611.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1212029.8/10

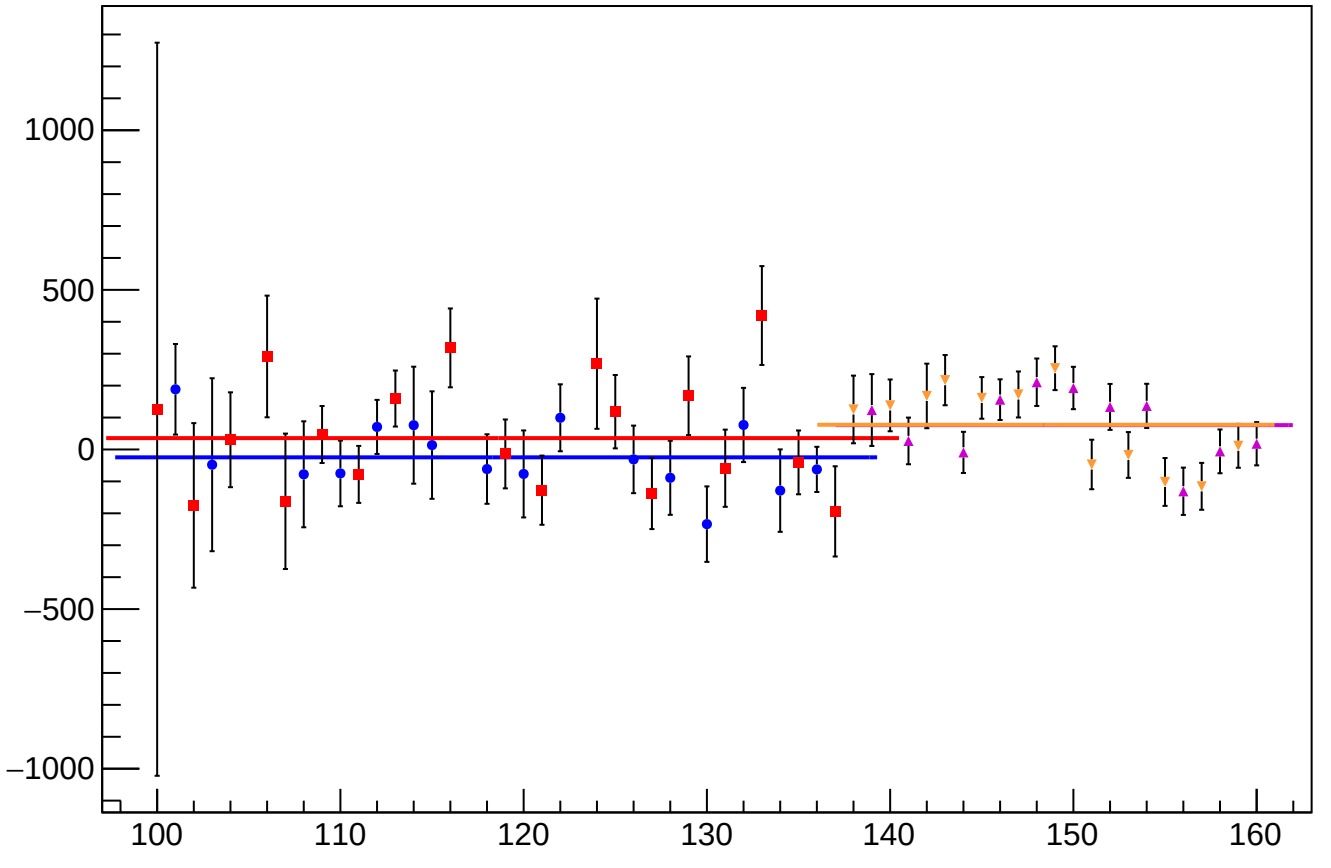
Left: 0.000+/-0.000 χ^2/NDF: 4887341.8/22

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7124911.3/26

Out: 0.000+/-0.000 χ^2/NDF:10757773.8/30

All: 0.000+/-0.000 χ^2/NDF: 18064945.5/57



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: 76.279+/-21.441 χ^2/NDF:21.7/10

Left: 76.823+/-15.336 χ^2/NDF: 54.3/22

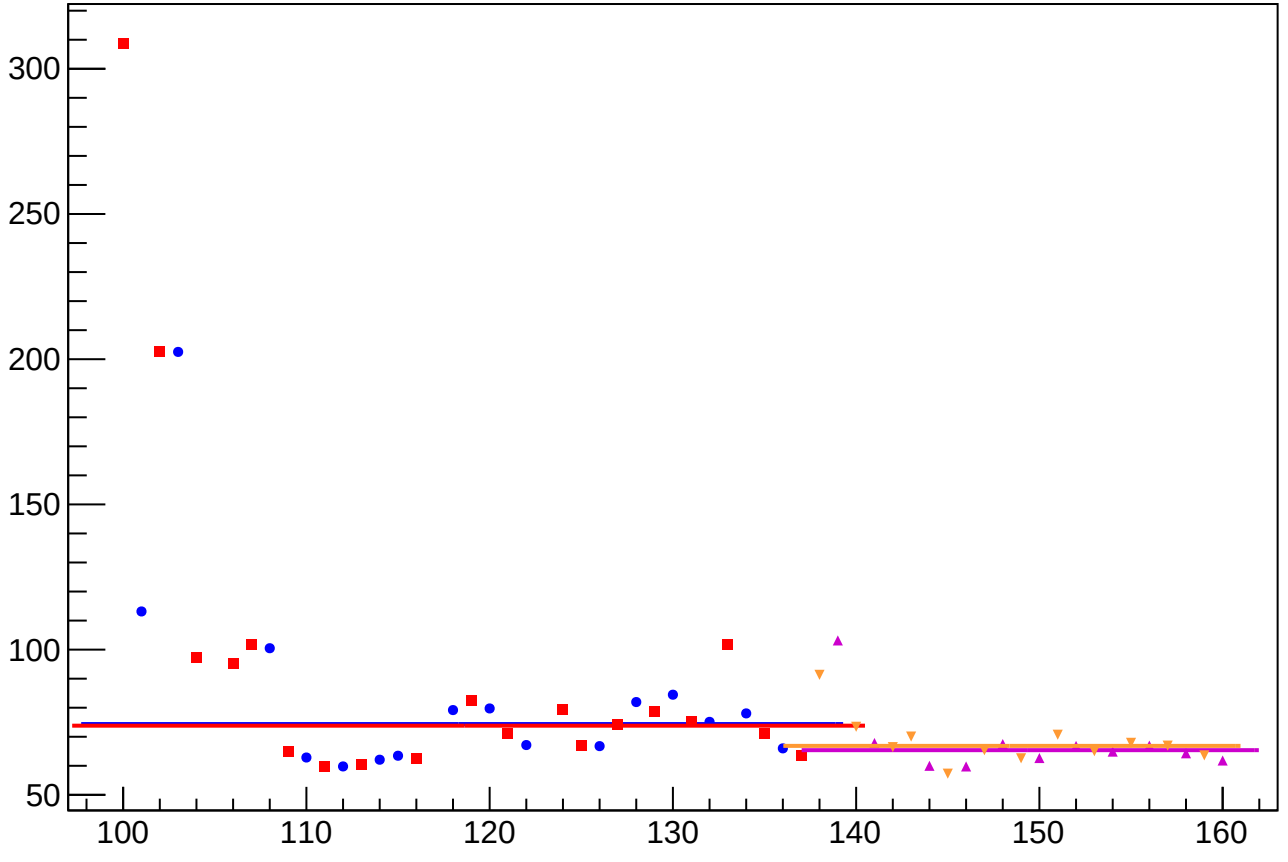
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 40.473+/-17.222 χ^2/NDF:40.6/26

Out: 61.798+/-17.377 χ^2/NDF:64.1/30

All: 51.040+/-12.233 χ^2/NDF: 105.4/57

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 65.382+/-0.015 χ^2/NDF:270004.8/10

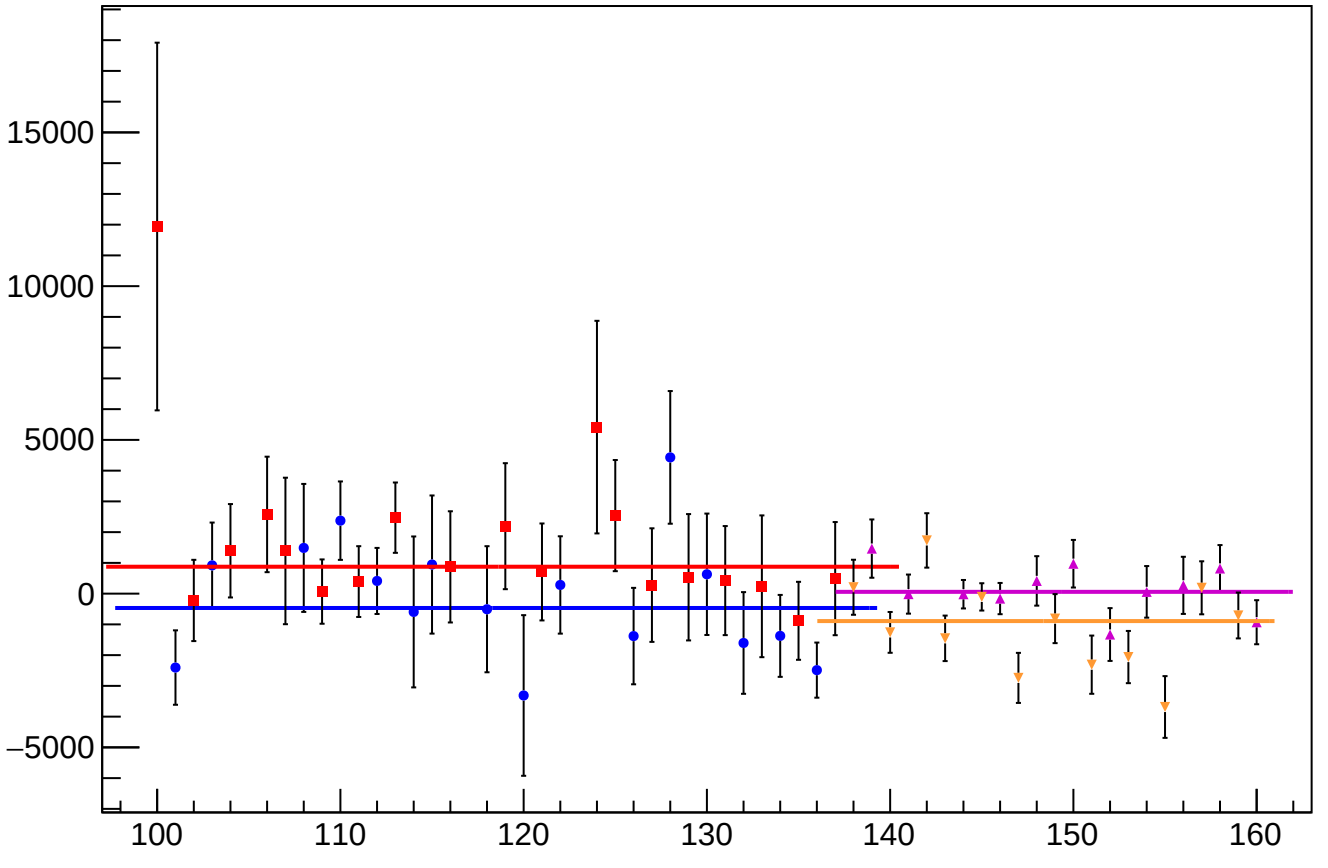
Left: 66.103+/-0.011 χ^2/NDF: 460593.3/22

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.571+/-0.012 χ^2/NDF:1222246.3/26

Out: 69.453+/-0.012 χ^2/NDF:1192856.3/30

All: 69.008+/-0.009 χ^2/NDF: 2417702.4/57



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: 58.416+/-208.741 χ^2/NDF:9.6/10

Left: -400.643+/-150.130 χ^2/NDF: 52.6/22

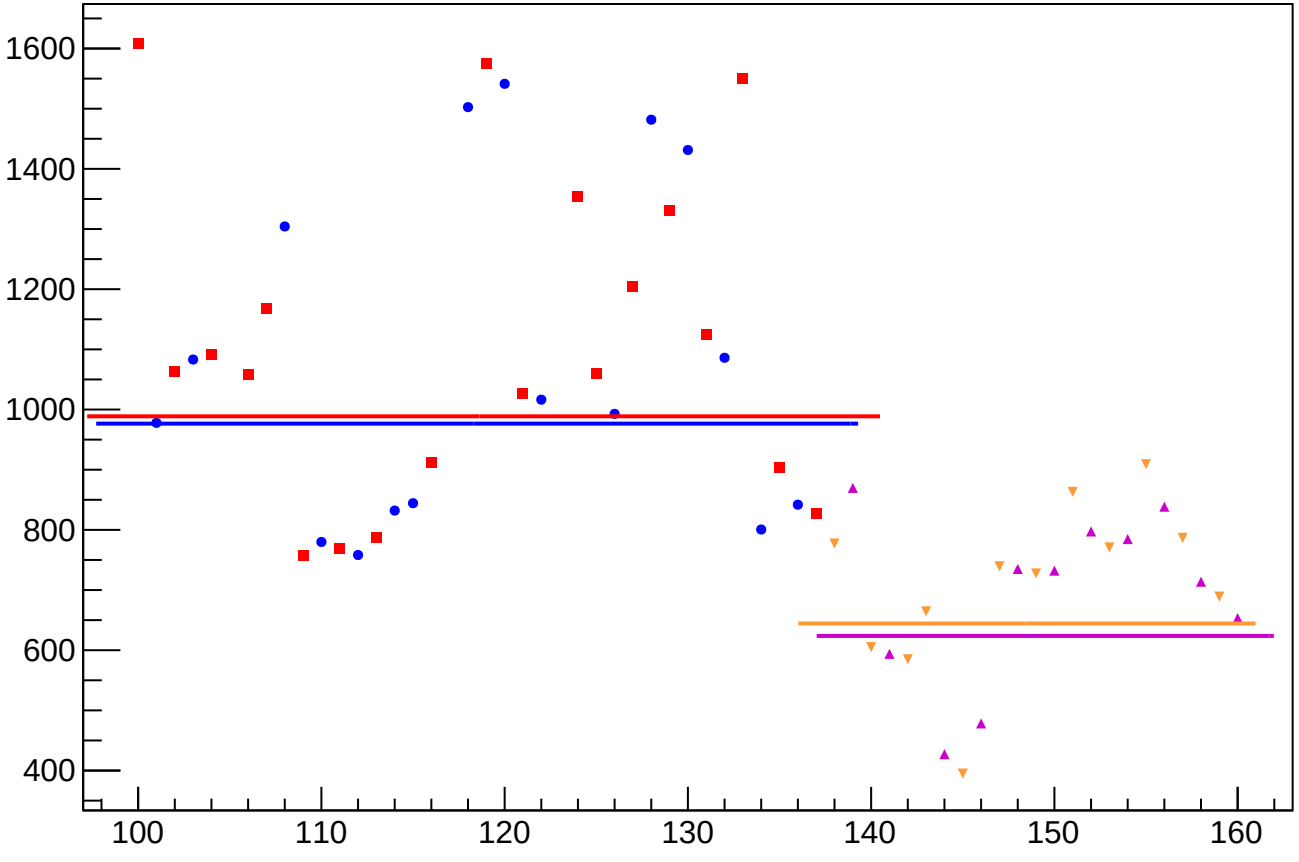
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -65.746+/-182.392 χ^2/NDF:34.8/26

Out: -446.971+/-186.877 χ^2/NDF:62.9/30

All: -251.729+/-130.527 χ^2/NDF: 99.8/57

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: 623.777+/-0.148 χ^2/NDF:1034433.8/10

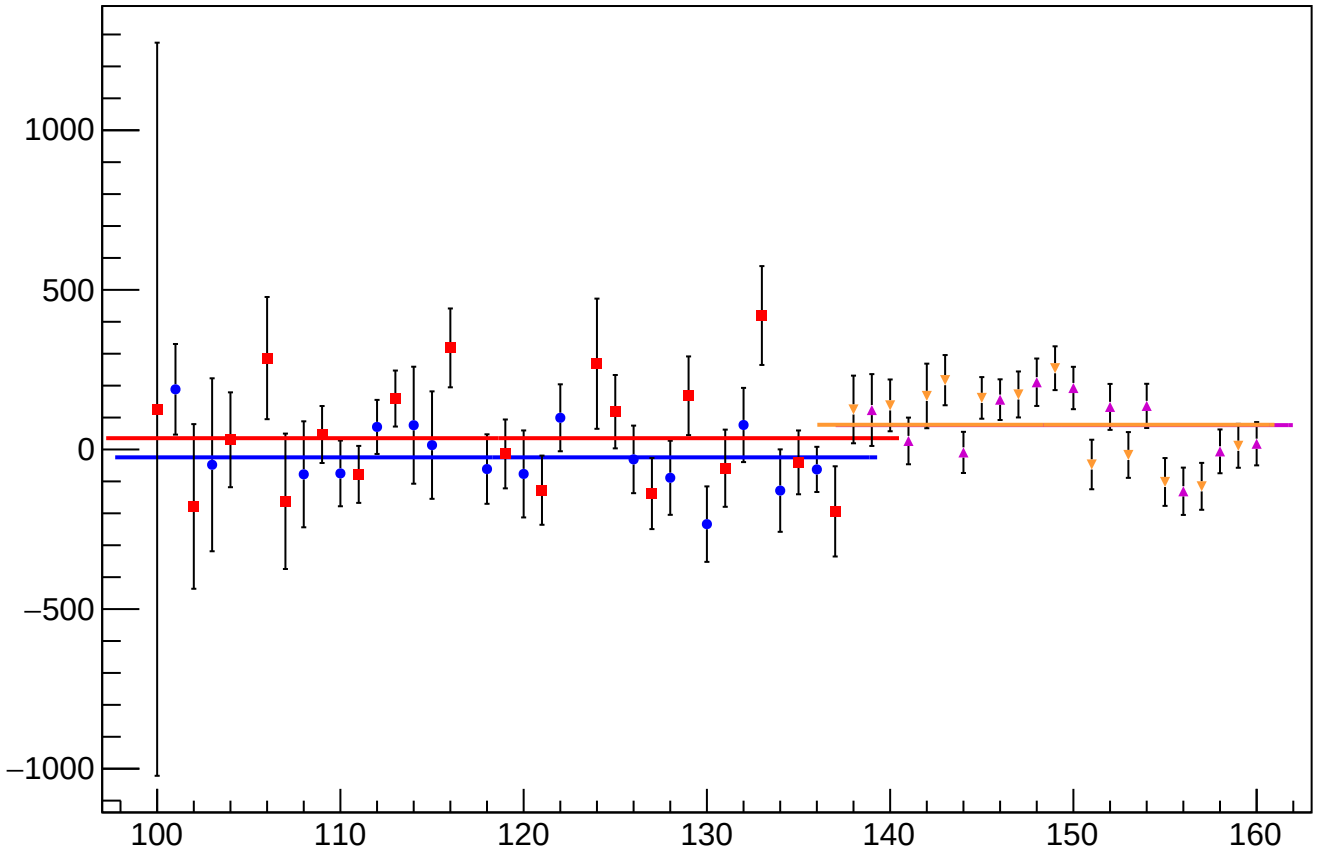
Left: 633.730+/-0.106 χ^2/NDF: 2138096.7/22

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 707.225+/-0.129 χ^2/NDF:3122371.8/26

Out: 731.190+/-0.132 χ^2/NDF:3090242.2/30

All: 718.916+/-0.092 χ^2/NDF: 6229458.8/57



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: 76.280+/-21.441 χ^2/NDF:21.7/10

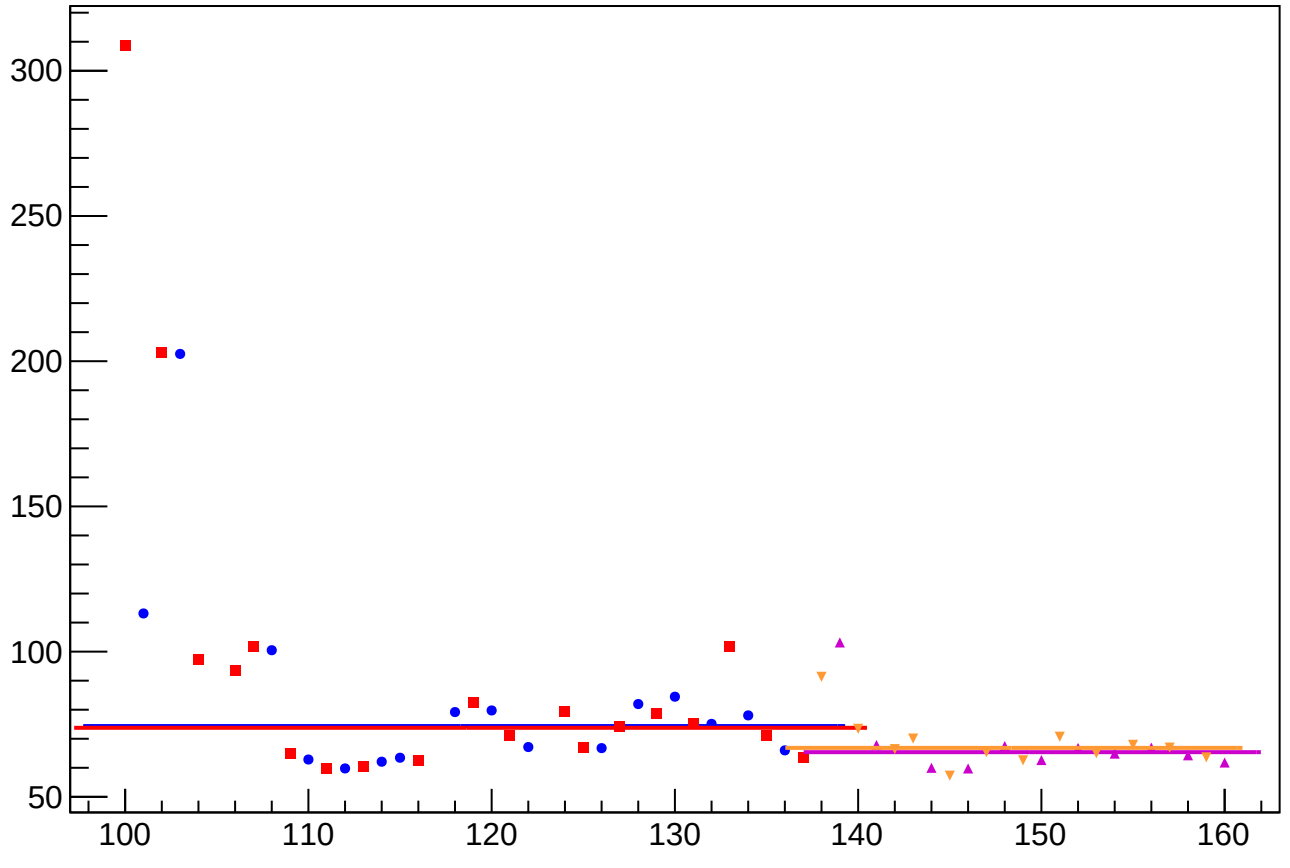
Left: 76.825+/-15.336 χ^2/NDF: 54.3/22

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 40.471+/-17.222 χ^2/NDF:40.6/26

Out: 61.728+/-17.378 χ^2/NDF:64.0/30

All: 51.004+/-12.233 χ^2/NDF: 105.3/57



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: 65.382+/-0.015 χ^2/NDF:270004.8/10

Left: 66.103+/-0.011 χ^2/NDF: 460593.3/22

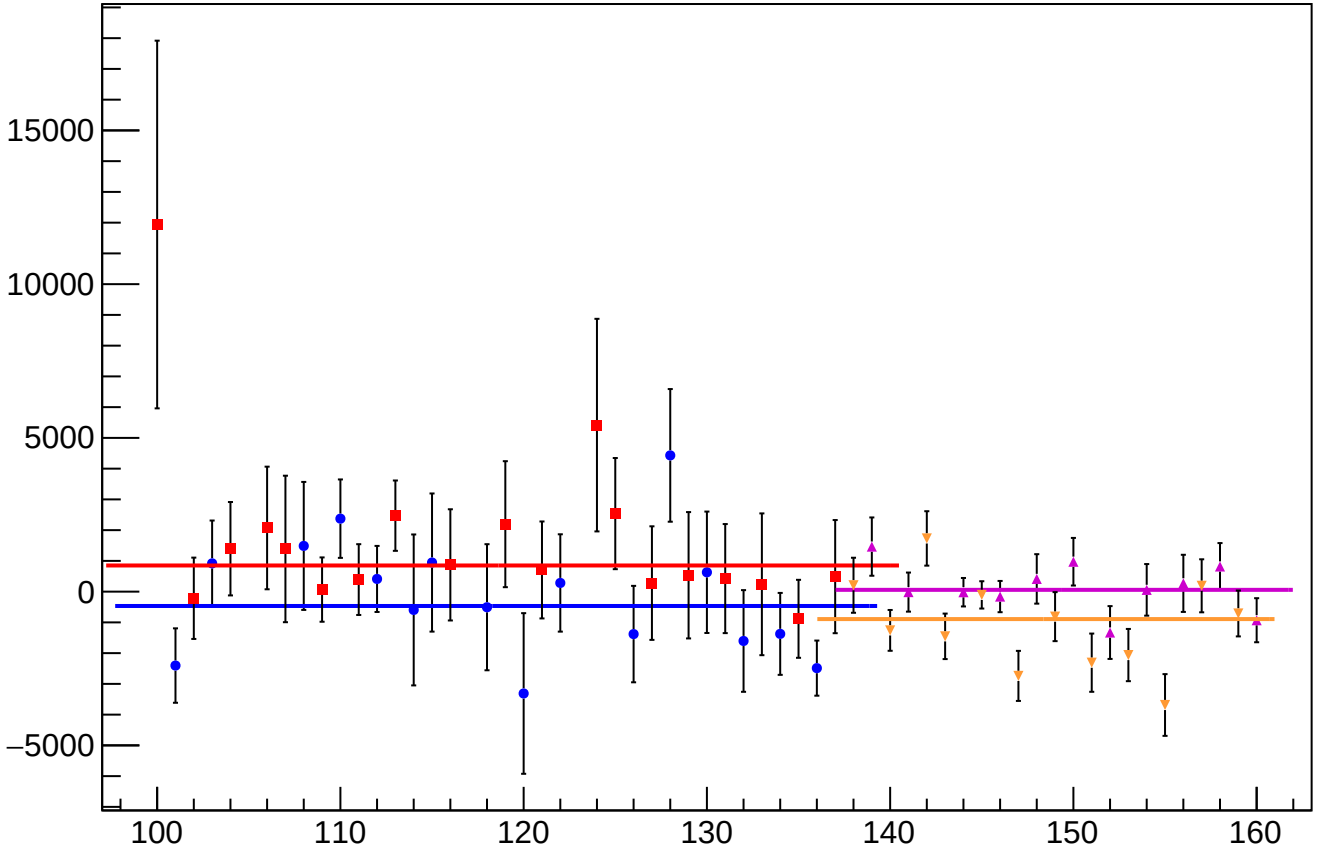
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.571+/-0.012 χ^2/NDF:1222248.3/26

Out: 69.437+/-0.012 χ^2/NDF:1188162.3/30

All: 69.000+/-0.009 χ^2/NDF: 2412917.2/57

asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -892.549+/-216.081 χ^2/NDF:33.0/11

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 58.418+/-208.741 χ^2/NDF:9.6/10

Left: -400.640+/-150.130 χ^2/NDF: 52.6/22

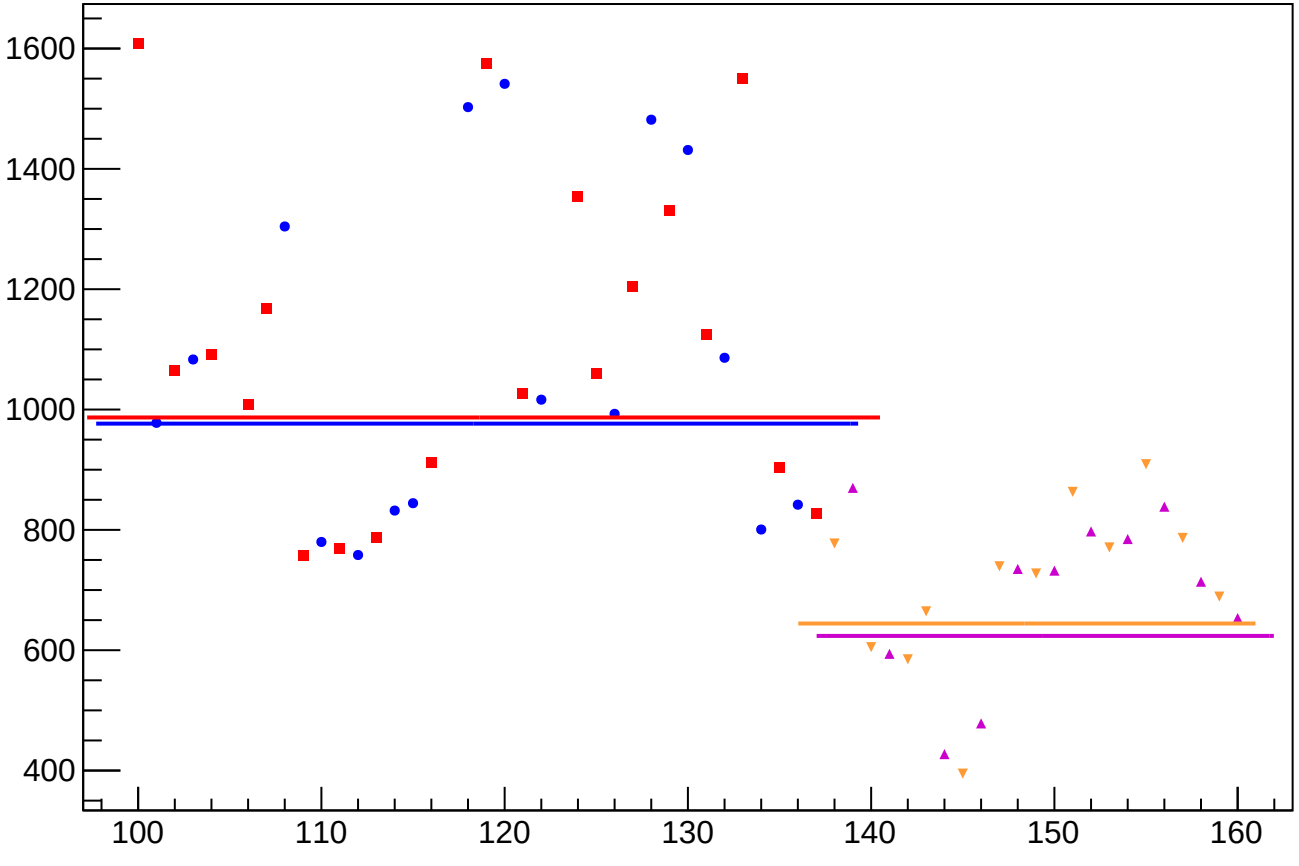
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -65.739+/-182.392 χ^2/NDF:34.8/26

Out: -454.670+/-186.985 χ^2/NDF:61.9/30

All: -255.370+/-130.564 χ^2/NDF: 98.9/57

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: 623.777+/-0.148 χ^2/NDF:1034434.7/10

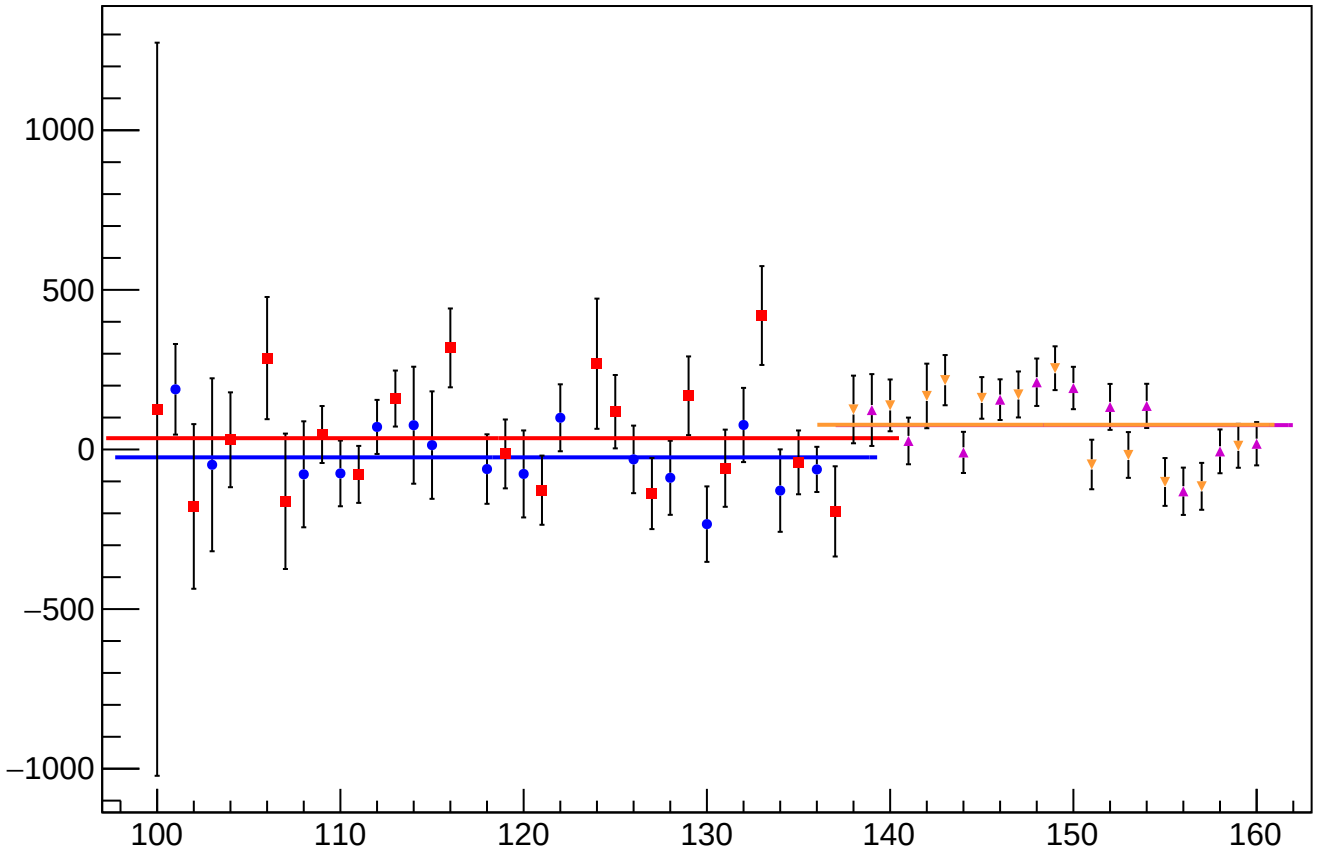
Left: 633.730+/-0.106 χ^2/NDF: 2138098.1/22

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 707.225+/-0.129 χ^2/NDF:3122427.3/26

Out: 730.406+/-0.132 χ^2/NDF:3069141.9/30

All: 718.527+/-0.092 χ^2/NDF: 6207319.5/57



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: 76.280+/-21.441 χ^2/NDF:21.7/10

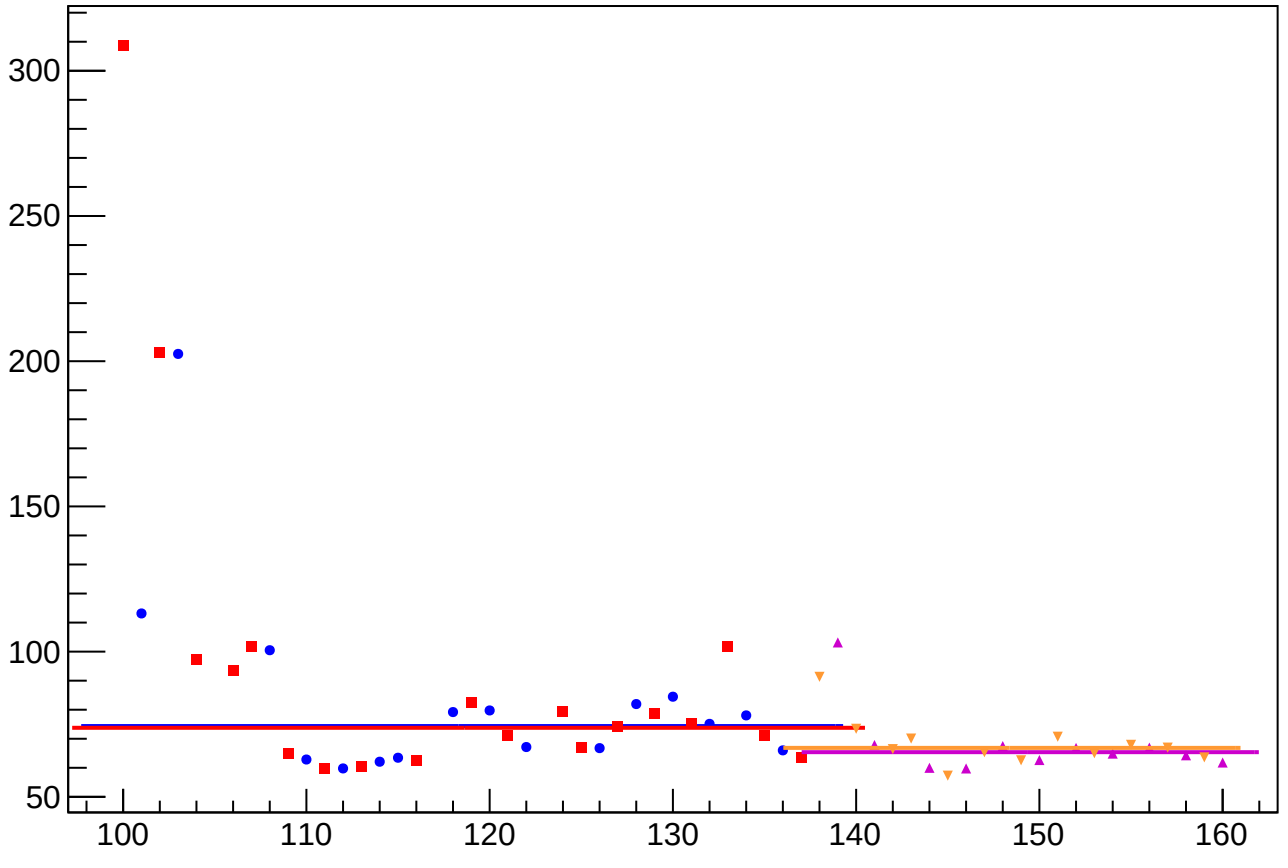
Left: 76.825+/-15.336 χ^2/NDF: 54.3/22

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 40.471+/-17.222 χ^2/NDF:40.6/26

Out: 61.728+/-17.378 χ^2/NDF:64.0/30

All: 51.004+/-12.233 χ^2/NDF: 105.3/57



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: 65.382+/-0.015 χ^2/NDF:270004.8/10

Left: 66.103+/-0.011 χ^2/NDF: 460593.3/22

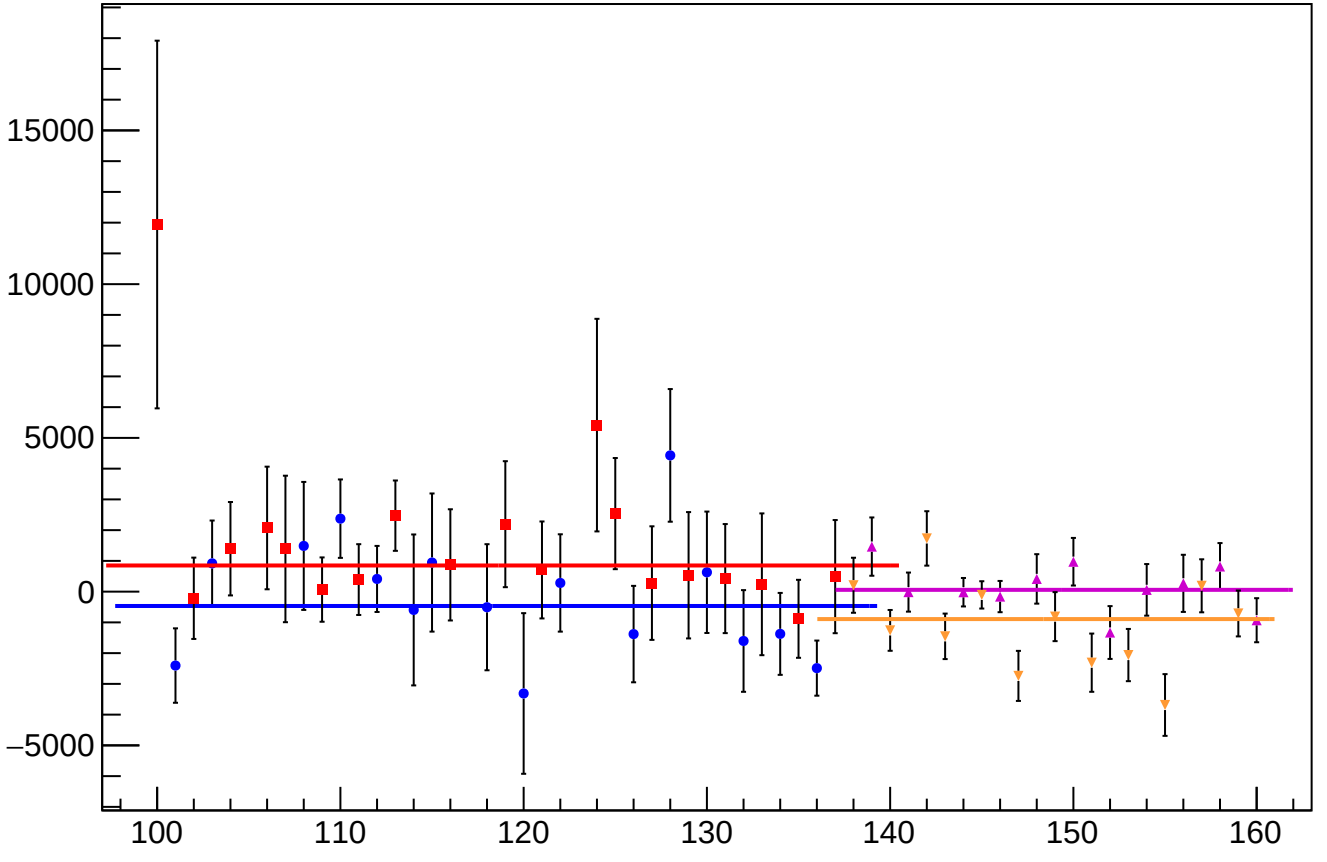
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.571+/-0.012 χ^2/NDF:1222248.3/26

Out: 69.437+/-0.012 χ^2/NDF:1188162.3/30

All: 69.000+/-0.009 χ^2/NDF: 2412917.2/57

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -892.549+/-216.081 χ^2/NDF:33.0/11

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 58.418+/-208.741 χ^2/NDF:9.6/10

Left: -400.640+/-150.130 χ^2/NDF: 52.6/22

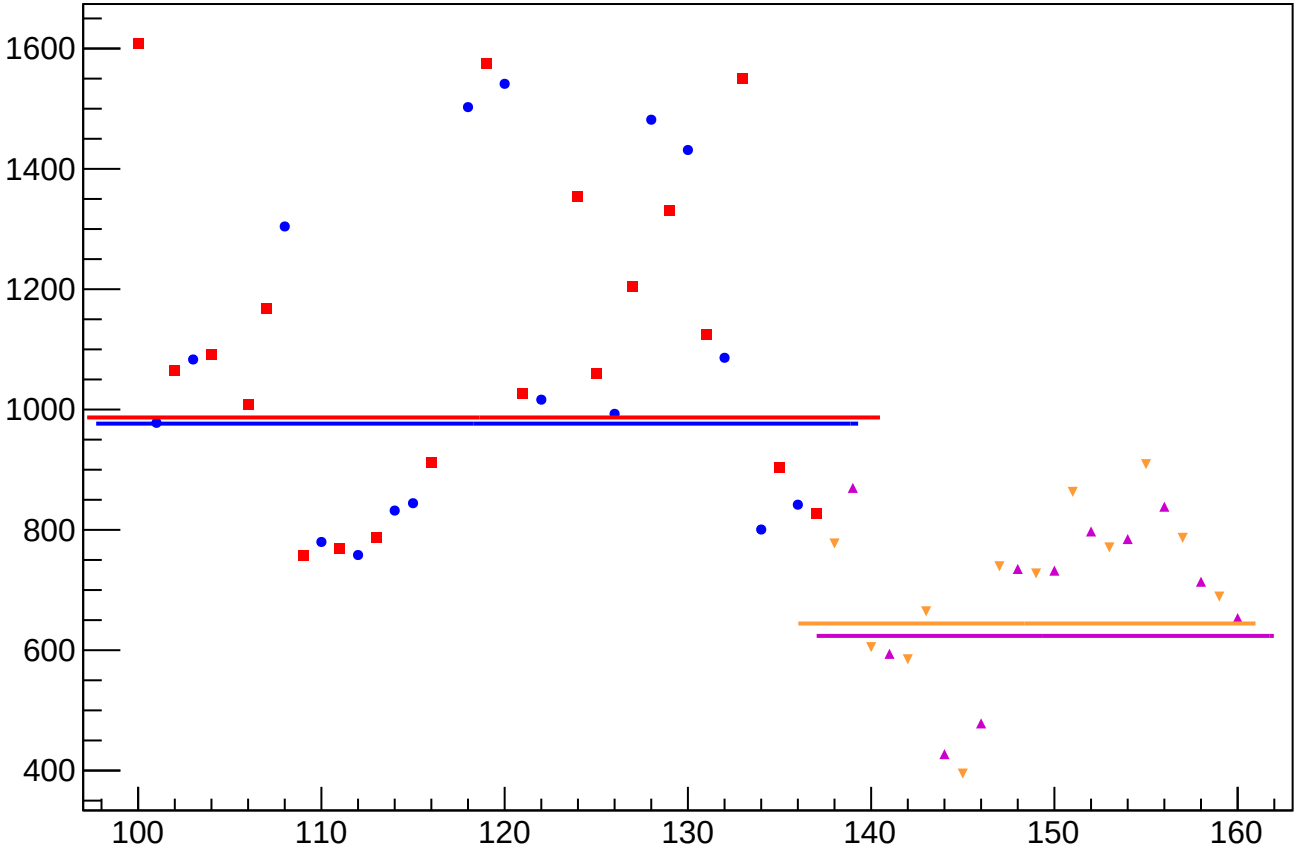
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -65.739+/-182.392 χ^2/NDF:34.8/26

Out: -454.670+/-186.985 χ^2/NDF:61.9/30

All: -255.370+/-130.564 χ^2/NDF: 98.9/57

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: 623.777+/-0.148 χ^2/NDF:1034434.7/10

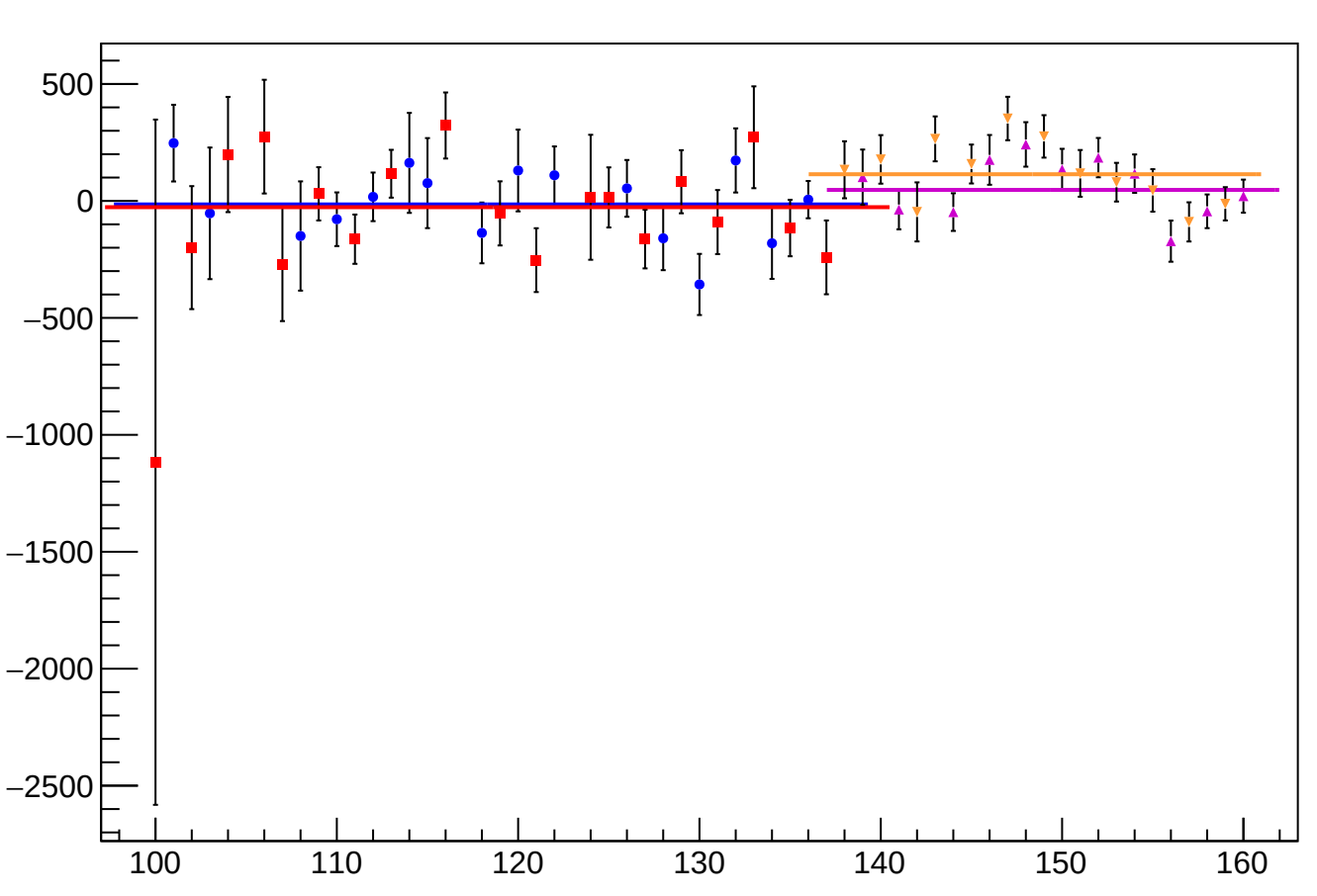
Left: 633.730+/-0.106 χ^2/NDF: 2138098.1/22

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 707.225+/-0.129 χ^2/NDF:3122427.3/26

Out: 730.406+/-0.132 χ^2/NDF:3069141.9/30

All: 718.527+/-0.092 χ^2/NDF: 6207319.5/57



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: 47.280+/-25.776 χ^2/NDF:20.6/10

Left: 79.762+/-18.488 χ^2/NDF: 48.2/22

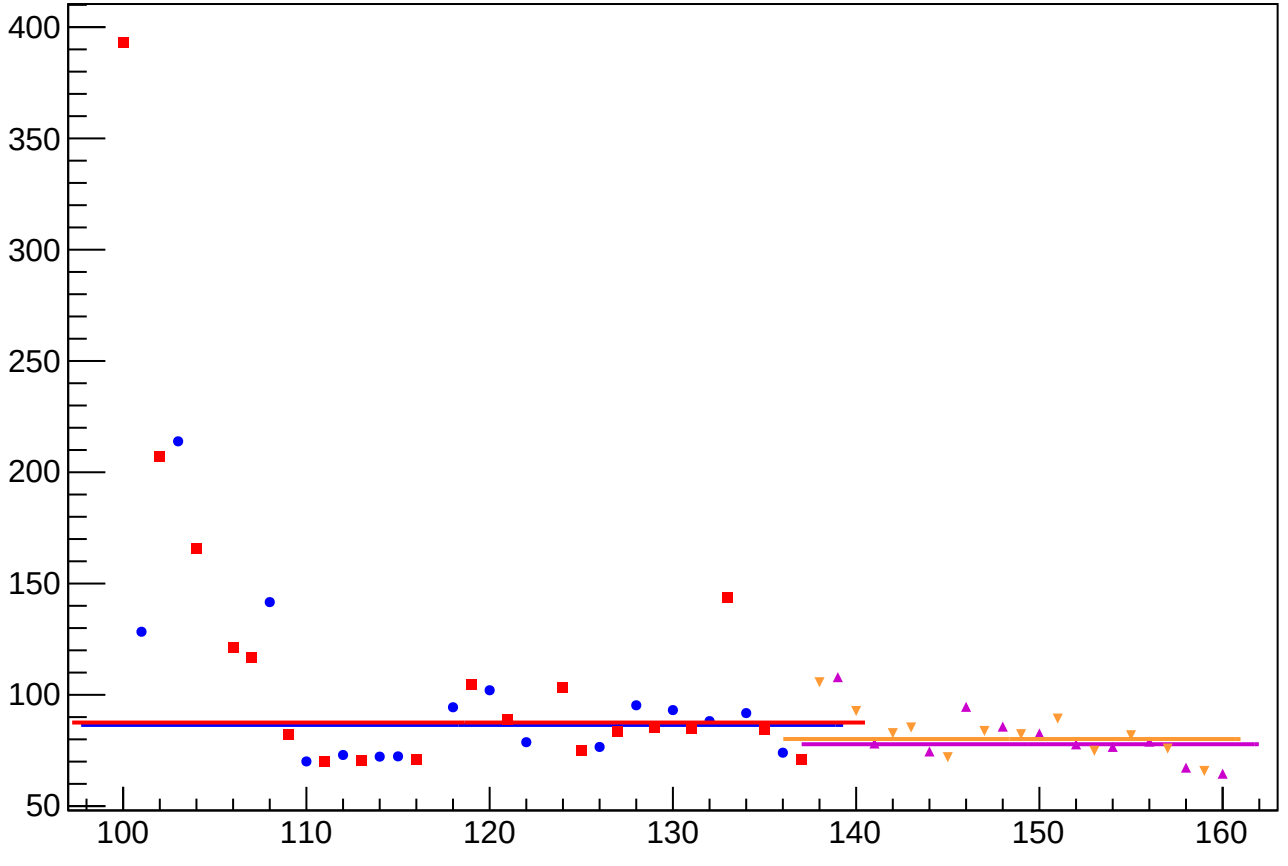
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 24.363+/-20.487 χ^2/NDF:41.0/26

Out: 61.017+/-20.934 χ^2/NDF:58.6/30

All: 42.295+/-14.642 χ^2/NDF: 101.2/57

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: 77.808+/-0.018 χ^2/NDF:317250.3/10

Left: 78.950+/-0.013 χ^2/NDF: 584671.1/22

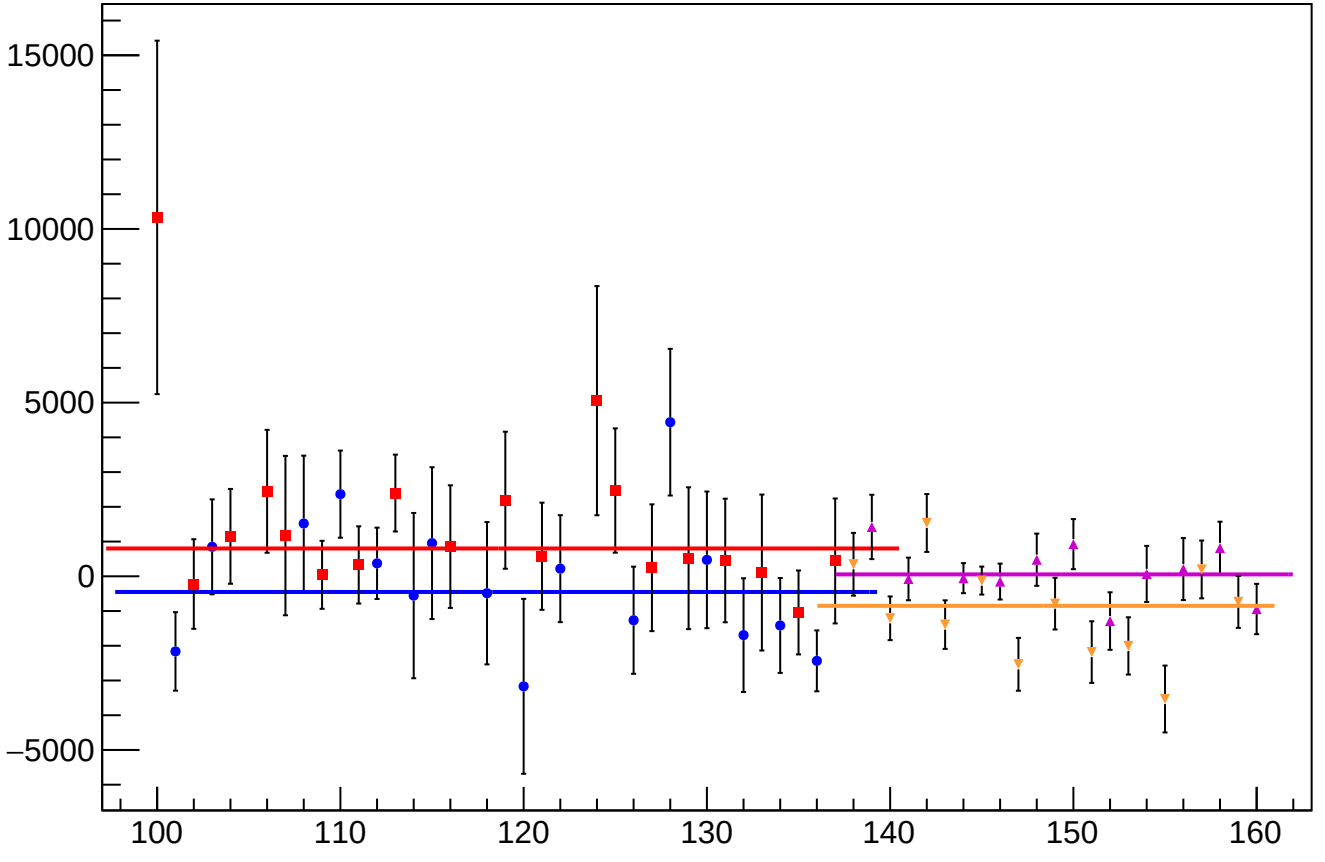
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 81.005+/-0.014 χ^2/NDF:1257052.8/26

Out: 82.951+/-0.015 χ^2/NDF:1447770.5/30

All: 81.957+/-0.010 χ^2/NDF: 2713656.2/57

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: 54.925+/-202.048 χ^2/NDF:9.8/10

Left: -393.004+/-143.627 χ^2/NDF: 52.3/22

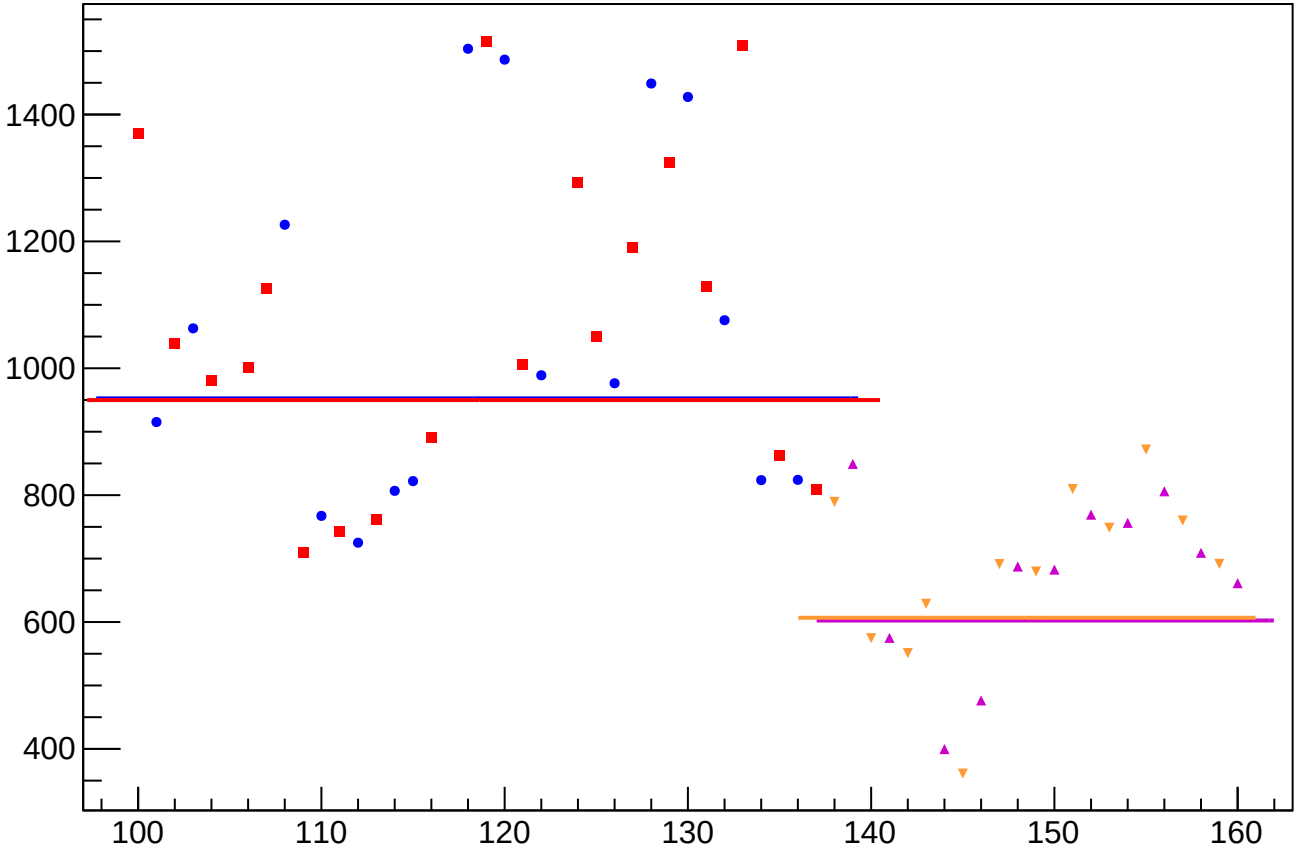
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -63.529+/-176.840 χ^2/NDF:35.0/26

Out: -444.833+/-177.363 χ^2/NDF:62.3/30

All: -253.618+/-125.229 χ^2/NDF: 99.6/57

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



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: 602.409+/-0.143 χ^2/NDF:1065203.0/10

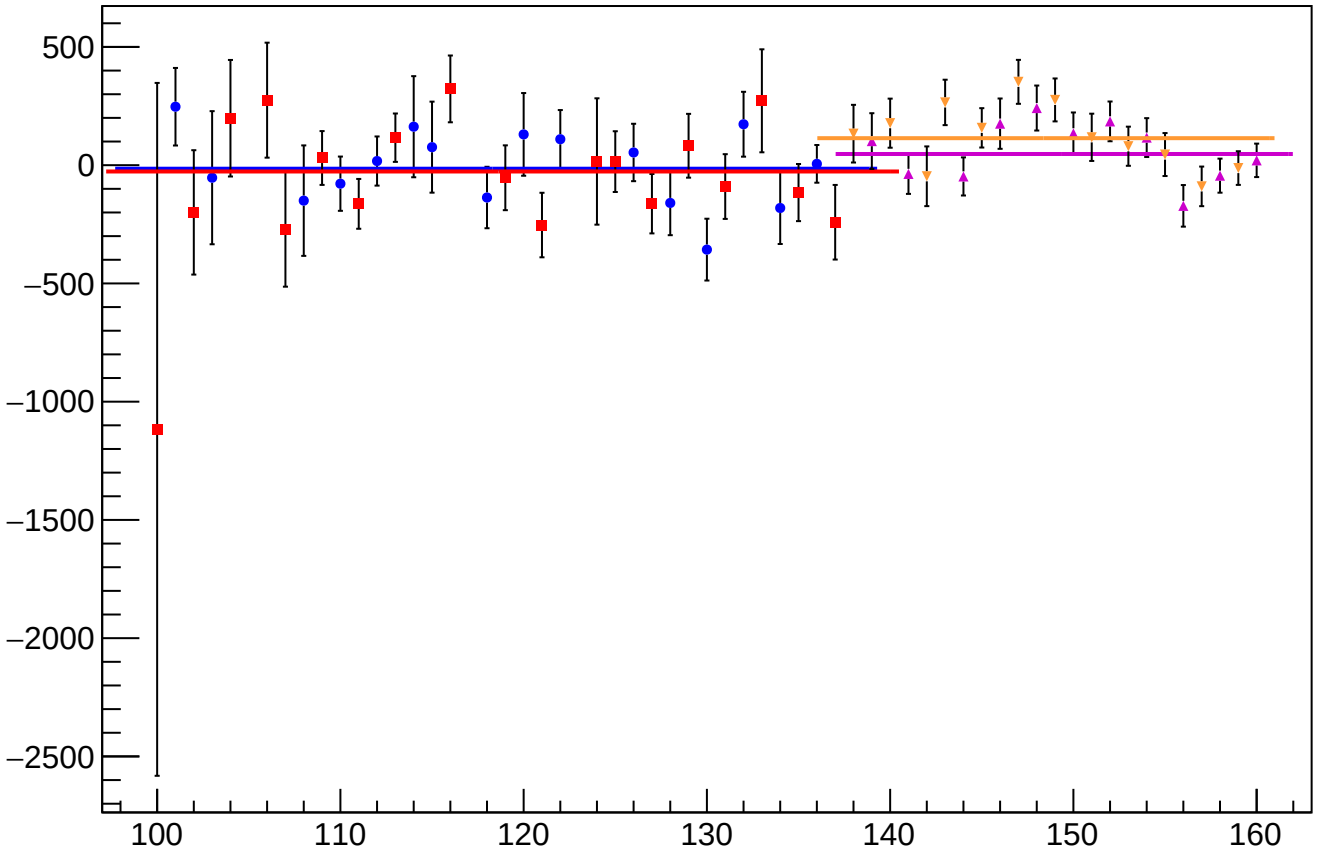
Left: 604.530+/-0.102 χ^2/NDF: 2358964.5/22

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 684.327+/-0.125 χ^2/NDF:3216773.5/26

Out: 690.997+/-0.125 χ^2/NDF:3432556.0/30

All: 687.652+/-0.089 χ^2/NDF: 6650747.6/57



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: 47.279+/-25.776 χ^2/NDF:20.6/10

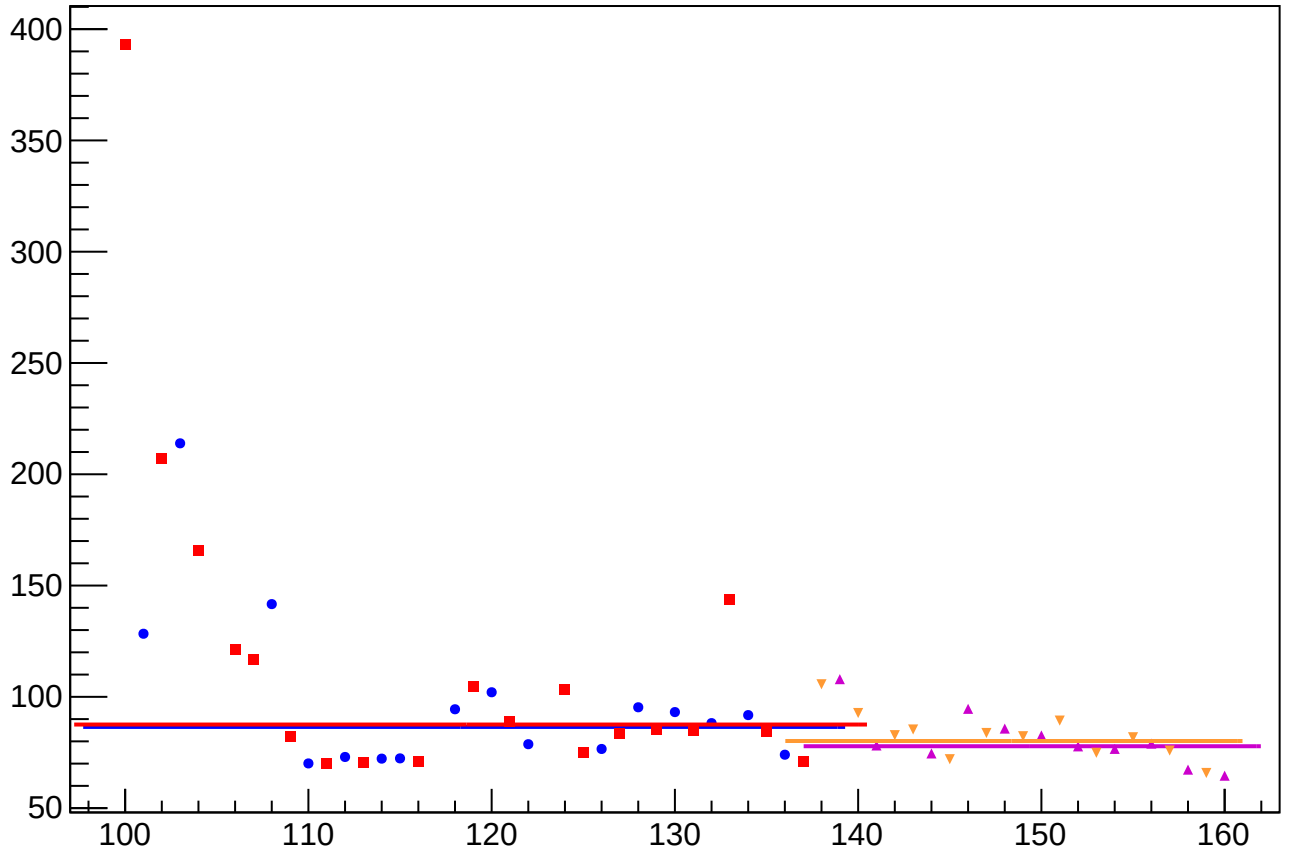
Left: 79.763+/-18.488 χ^2/NDF: 48.2/22

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 24.362+/-20.487 χ^2/NDF:41.0/26

Out: 61.017+/-20.934 χ^2/NDF:58.6/30

All: 42.294+/-14.642 χ^2/NDF: 101.2/57



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: 77.808+/-0.018 χ^2/NDF:317255.2/10

Left: 78.950+/-0.013 χ^2/NDF: 584681.4/22

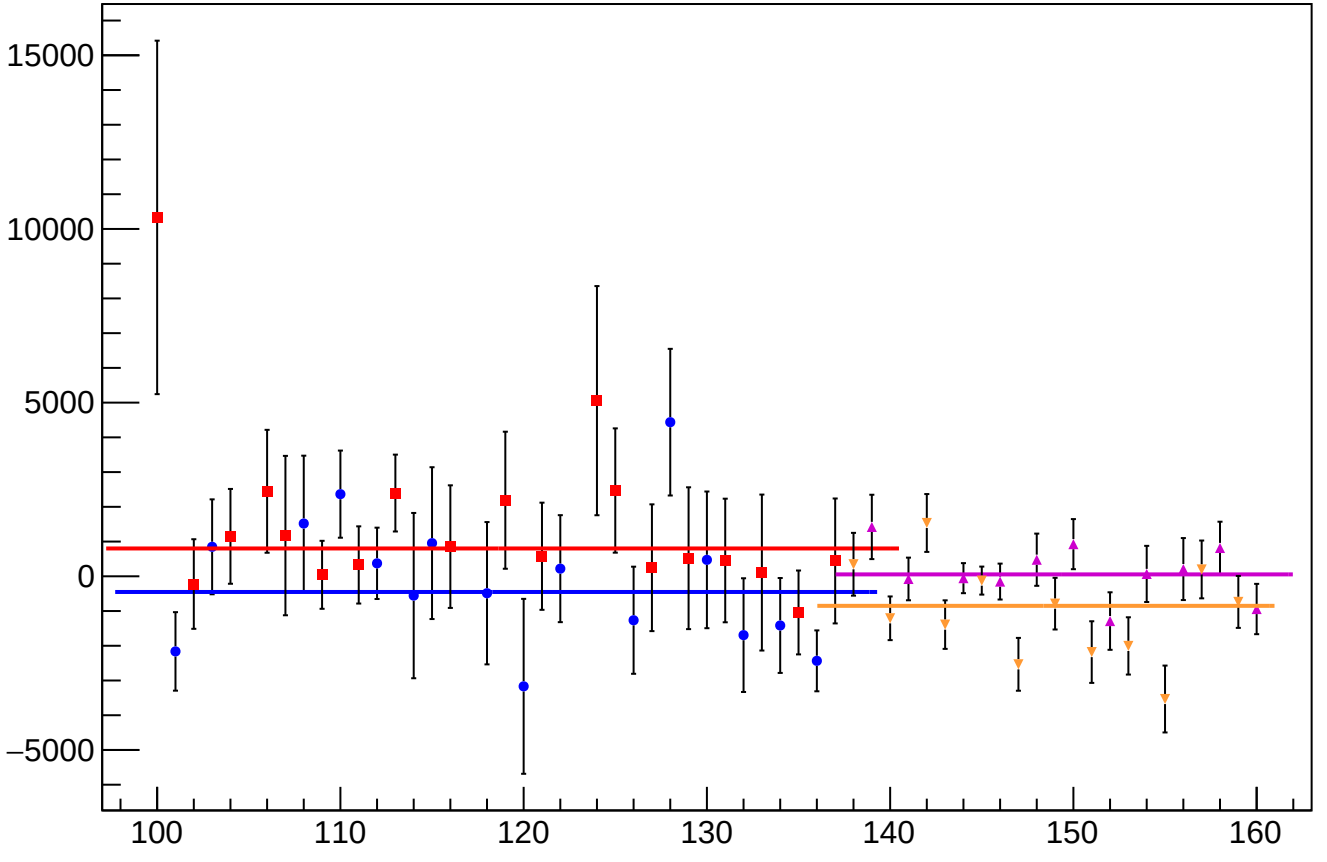
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 81.005+/-0.014 χ^2/NDF:1257051.0/26

Out: 82.952+/-0.015 χ^2/NDF:1447773.2/30

All: 81.957+/-0.010 χ^2/NDF: 2713658.2/57

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: 54.924+/-202.048 χ^2/NDF:9.8/10

Left: -393.005+/-143.627 χ^2/NDF: 52.3/22

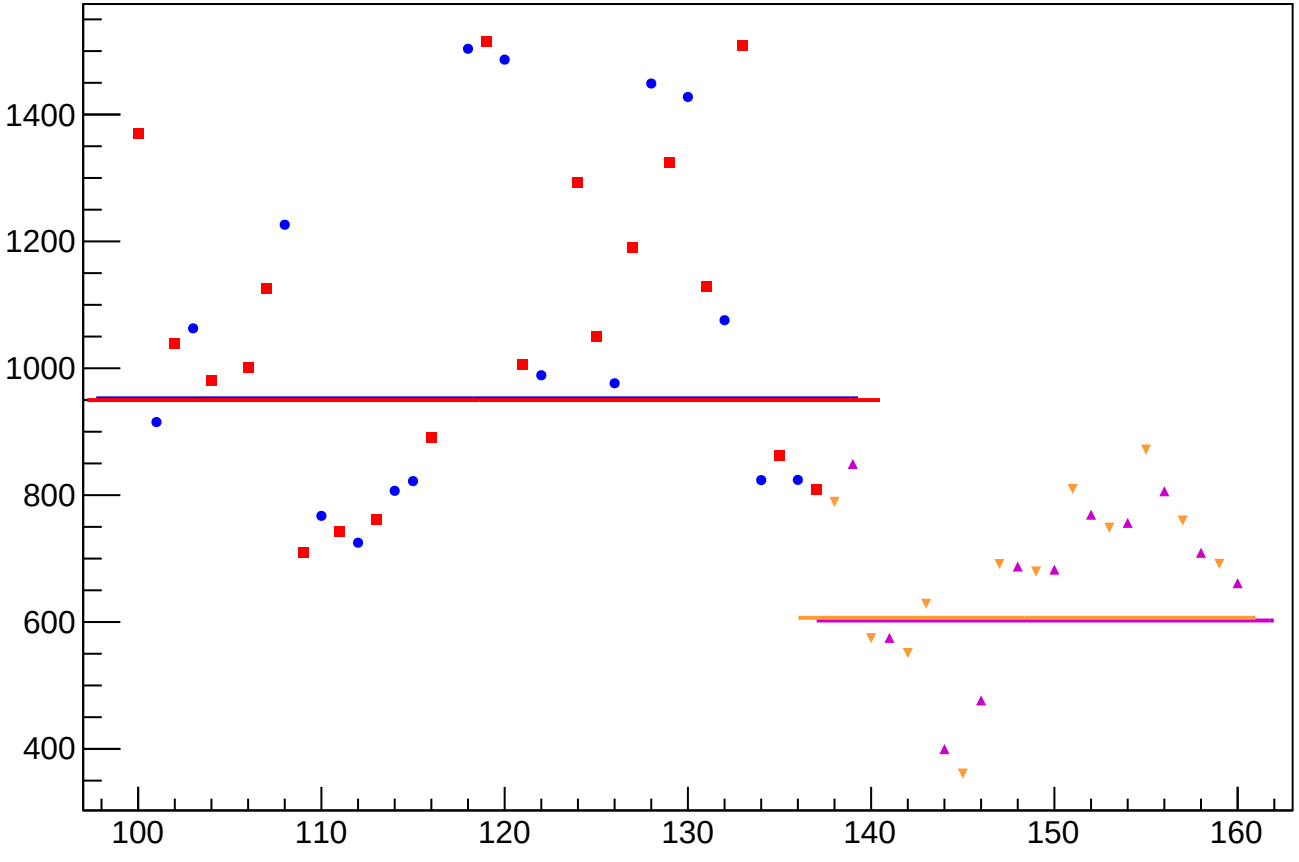
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -63.529+/-176.840 χ^2/NDF:35.0/26

Out: -444.833+/-177.363 χ^2/NDF:62.3/30

All: -253.618+/-125.229 χ^2/NDF: 99.6/57

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 606.696+/-0.144 χ^2/NDF:1293317.0/11

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 602.409+/-0.143 χ^2/NDF:1065202.4/10

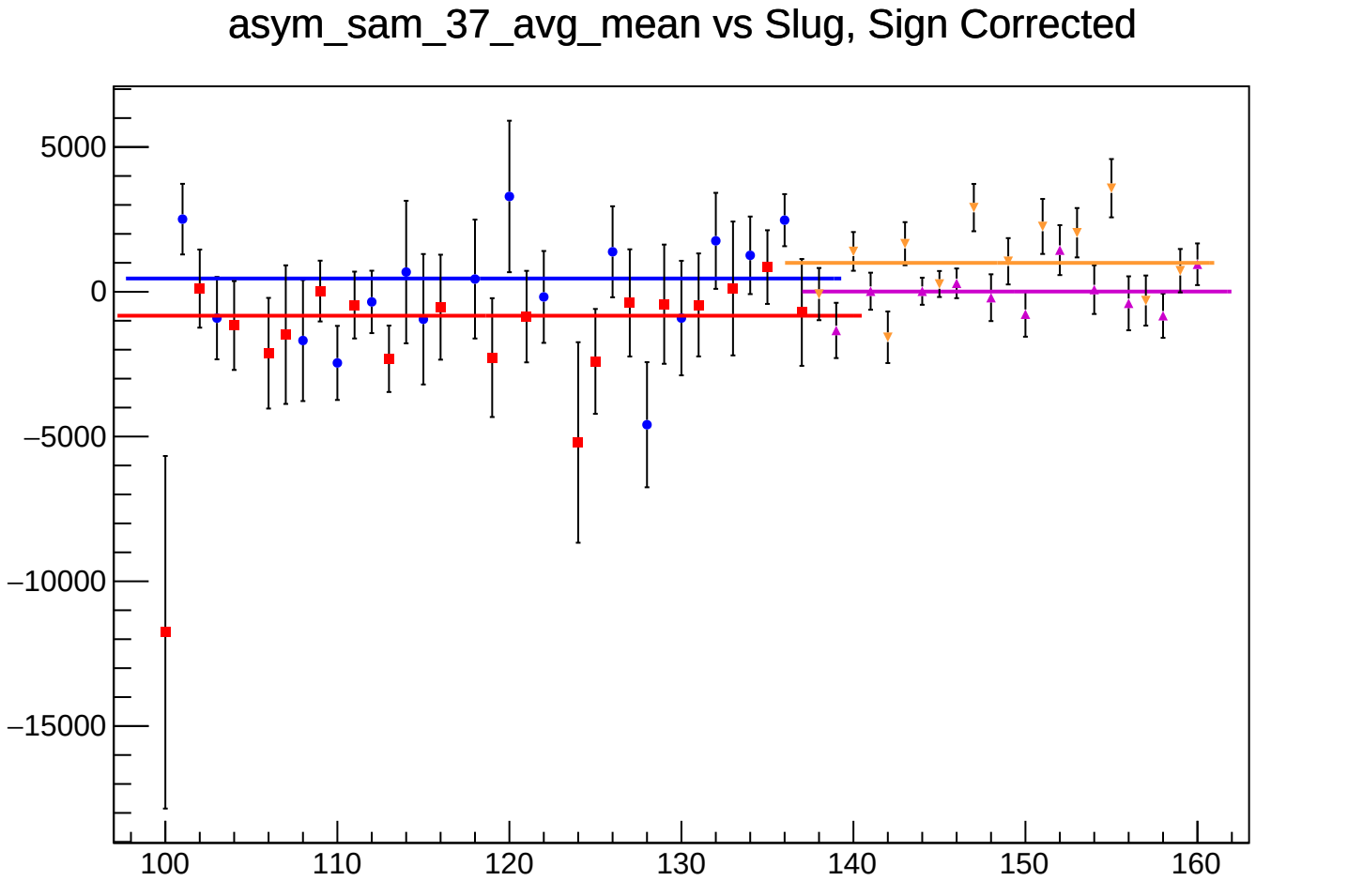
Left: 604.529+/-0.102 χ^2/NDF: 2358964.9/22

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 684.327+/-0.125 χ^2/NDF:3216770.7/26

Out: 690.996+/-0.125 χ^2/NDF:3432552.8/30

All: 687.651+/-0.089 χ^2/NDF: 6650741.5/57



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: 8.363+/-210.098 χ^2/NDF:9.2/10

Left: 486.197+/-151.104 χ^2/NDF: 51.2/22

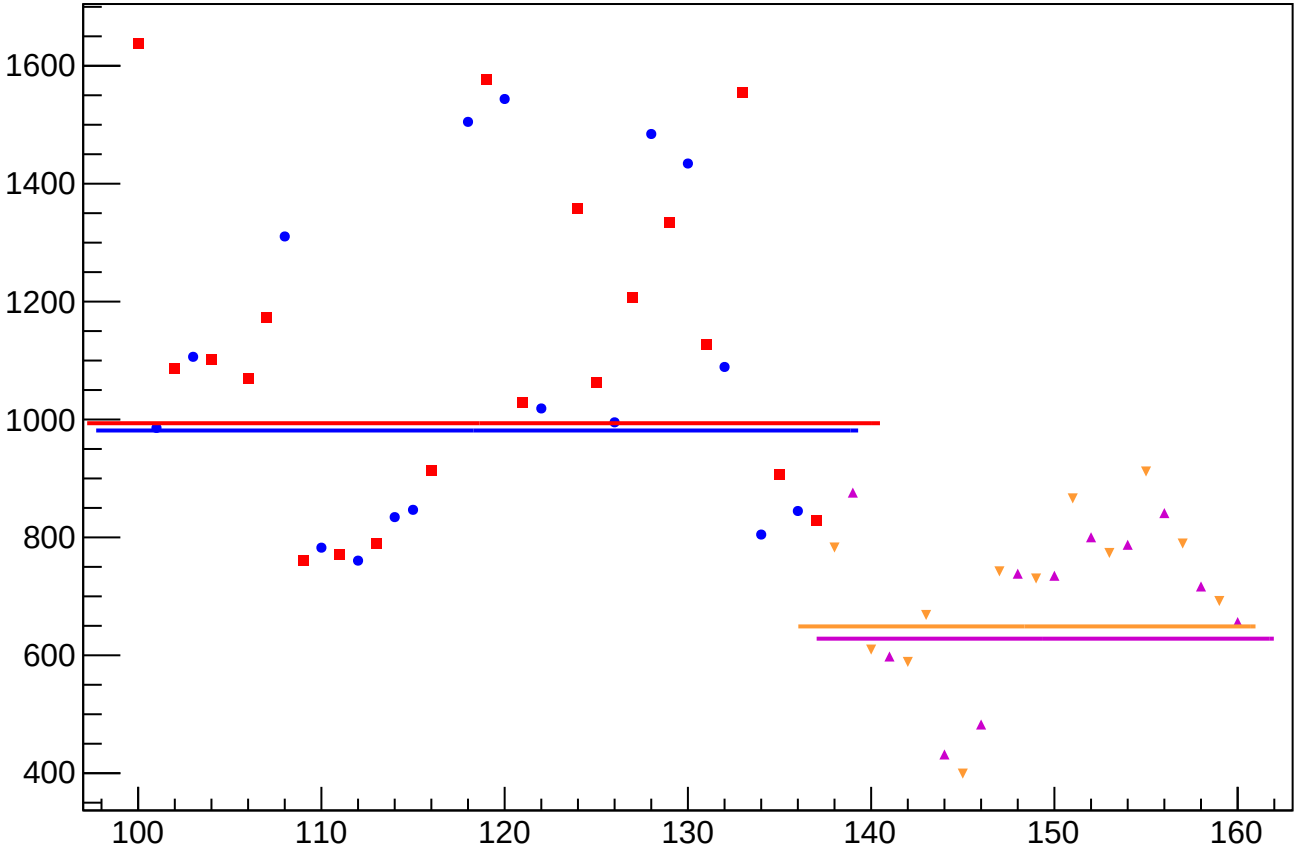
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 115.240+/-183.509 χ^2/NDF:34.9/26

Out: 537.550+/-188.035 χ^2/NDF:60.6/30

All: 321.251+/-131.331 χ^2/NDF: 98.1/57

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: 628.213+/-0.149 χ^2/NDF:1013815.3/10

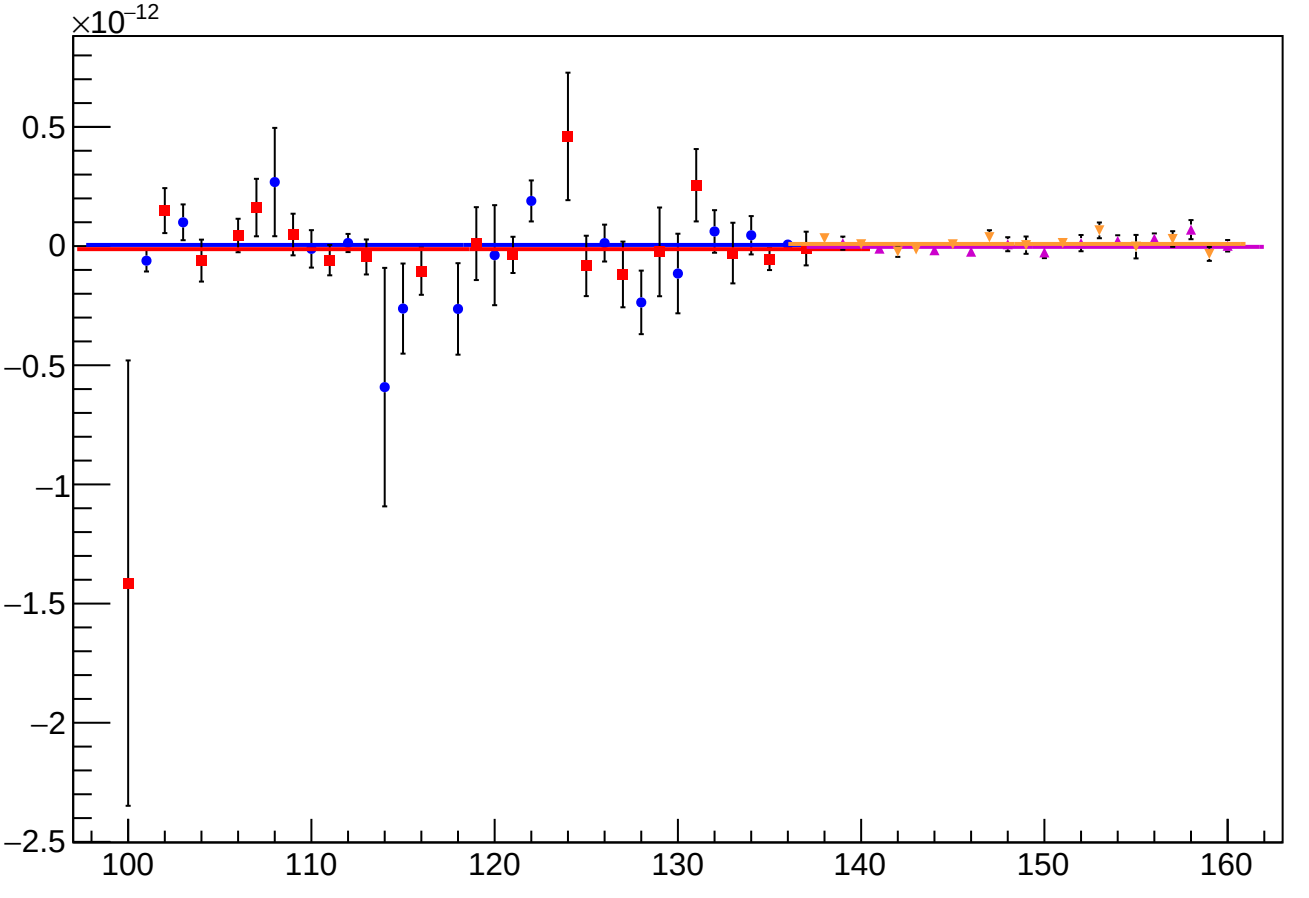
Left: 638.242+/-0.107 χ^2/NDF: 2093047.7/22

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 711.940+/-0.130 χ^2/NDF:3091101.2/26

Out: 736.006+/-0.133 χ^2/NDF:3057922.1/30

All: 723.680+/-0.093 χ^2/NDF: 6165803.5/57



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:11.2/10

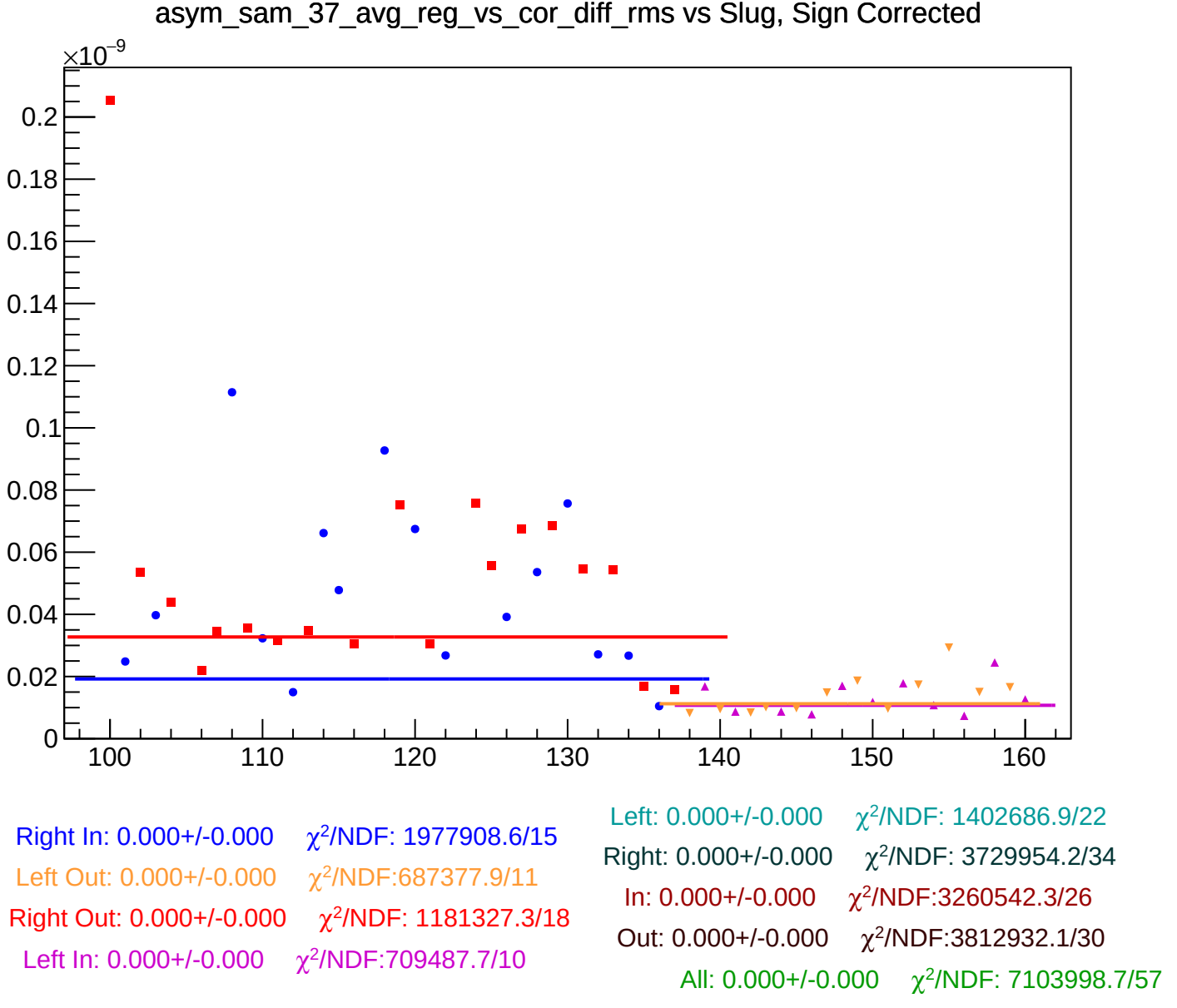
Left: 0.000+/-0.000 χ^2/NDF: 24.7/22

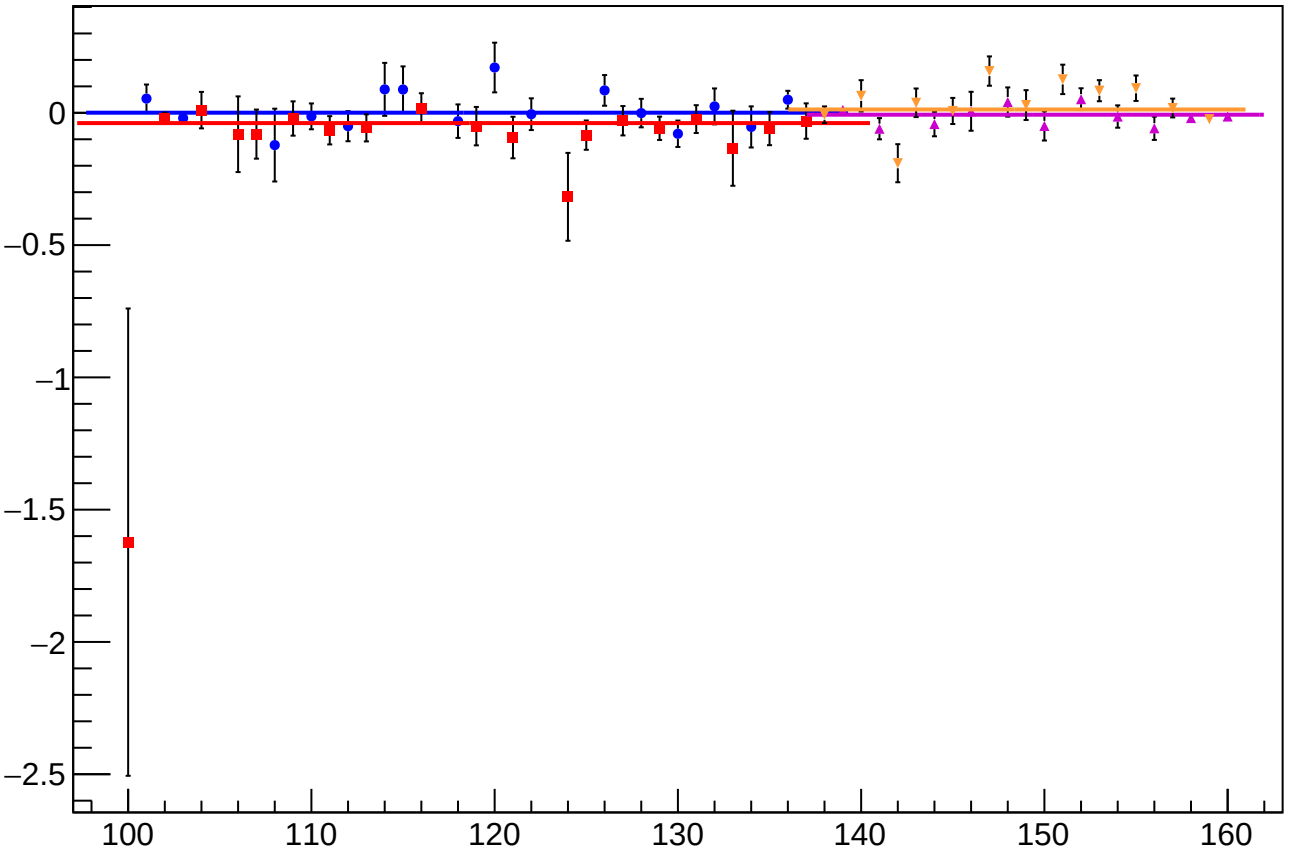
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:31.2/26

Out: 0.000+/-0.000 χ^2/NDF:31.2/30

All: 0.000+/-0.000 χ^2/NDF: 63.4/57


asym_sam_37_avg_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: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:687377.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:709487.7/10
Left: 0.000+/-0.000 χ²/NDF: 1402686.9/22
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:3260542.3/26
Out: 0.000+/-0.000 χ²/NDF:3812932.1/30
All: 0.000+/-0.000 χ²/NDF: 7103998.7/57



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: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.000+/-0.006 χ^2/NDF: 43.2/22

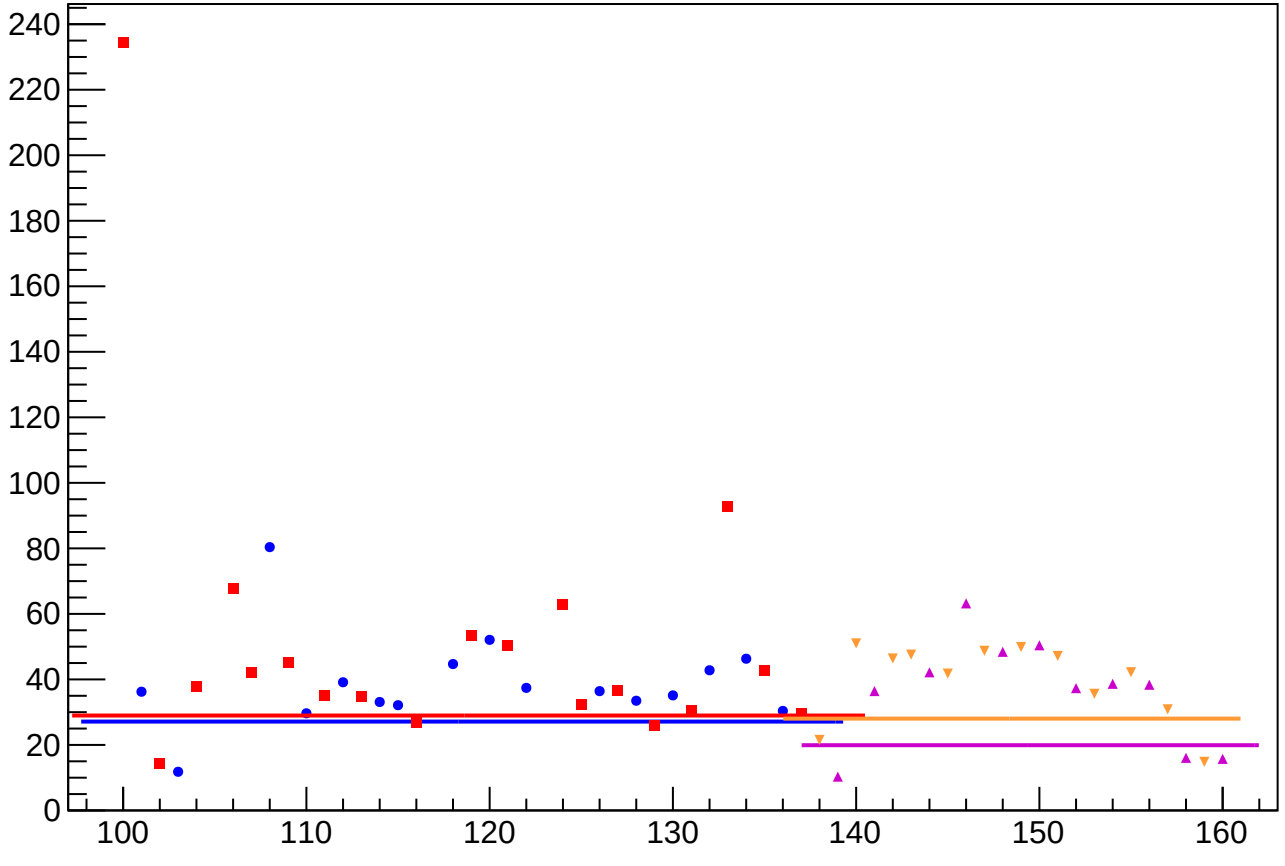
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.7/57

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: 19.915+/-0.006 χ^2/NDF:4964144.3/10

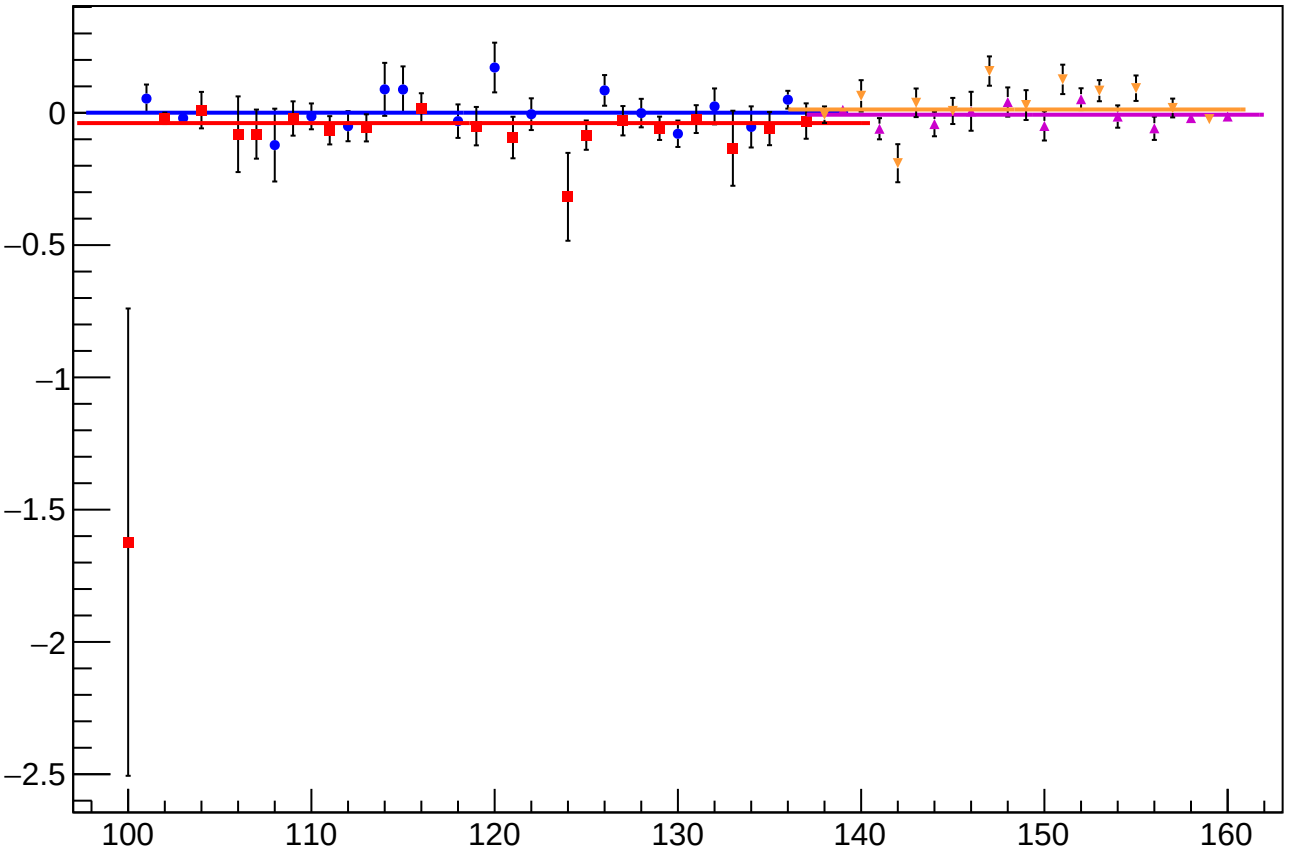
Left: 22.857+/-0.005 χ^2/NDF: 8995861.3/22

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.147+/-0.005 χ^2/NDF:7875676.2/26

Out: 28.428+/-0.006 χ^2/NDF:5758379.0/30

All: 24.674+/-0.004 χ^2/NDF: 14342280.6/57



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: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.000+/-0.006 χ^2/NDF: 43.2/22

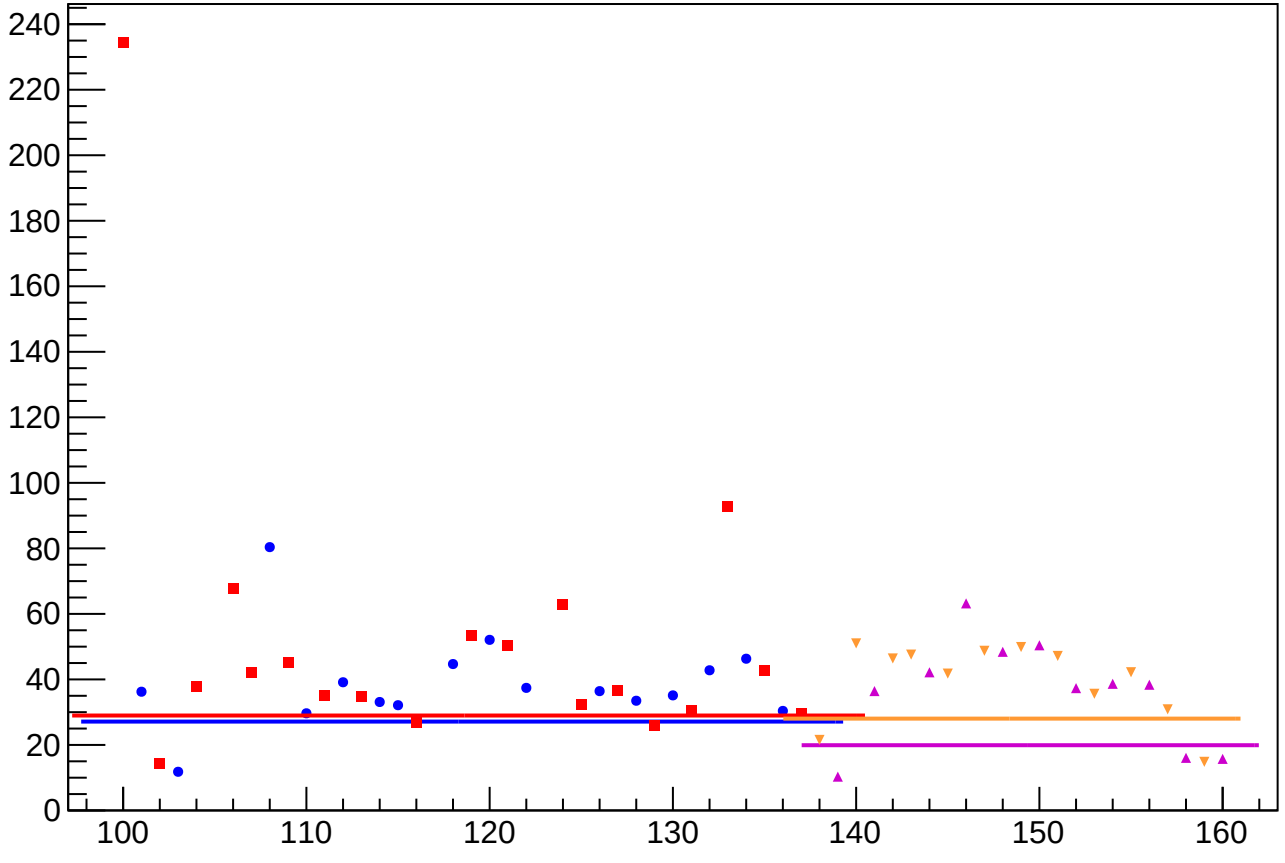
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.7/57

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: 19.915+/-0.006 χ^2/NDF:4964144.3/10

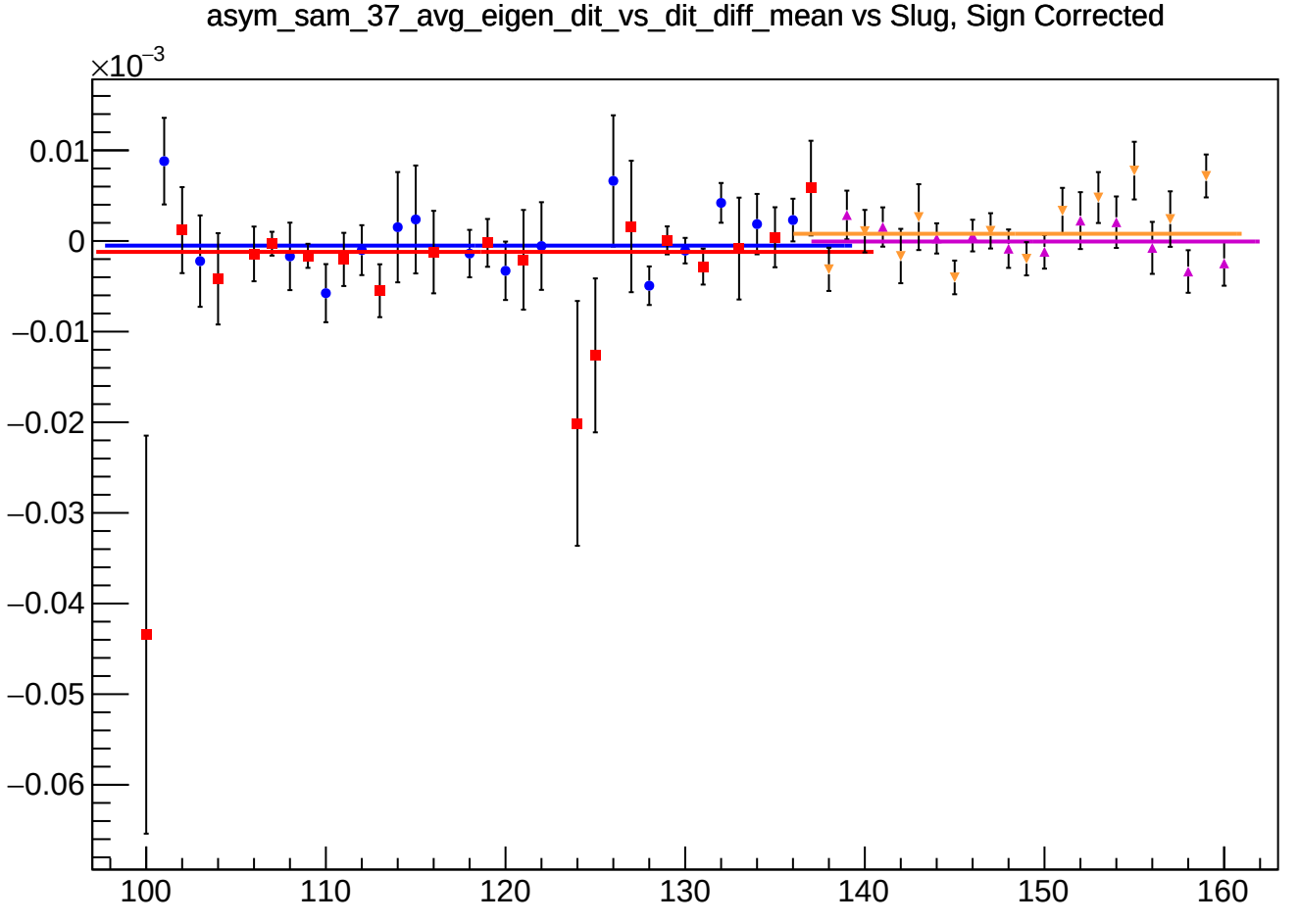
Left: 22.857+/-0.005 χ^2/NDF: 8995861.3/22

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.147+/-0.005 χ^2/NDF:7875676.2/26

Out: 28.428+/-0.006 χ^2/NDF:5758379.0/30

All: 24.674+/-0.004 χ^2/NDF: 14342280.6/57



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:6.5/10

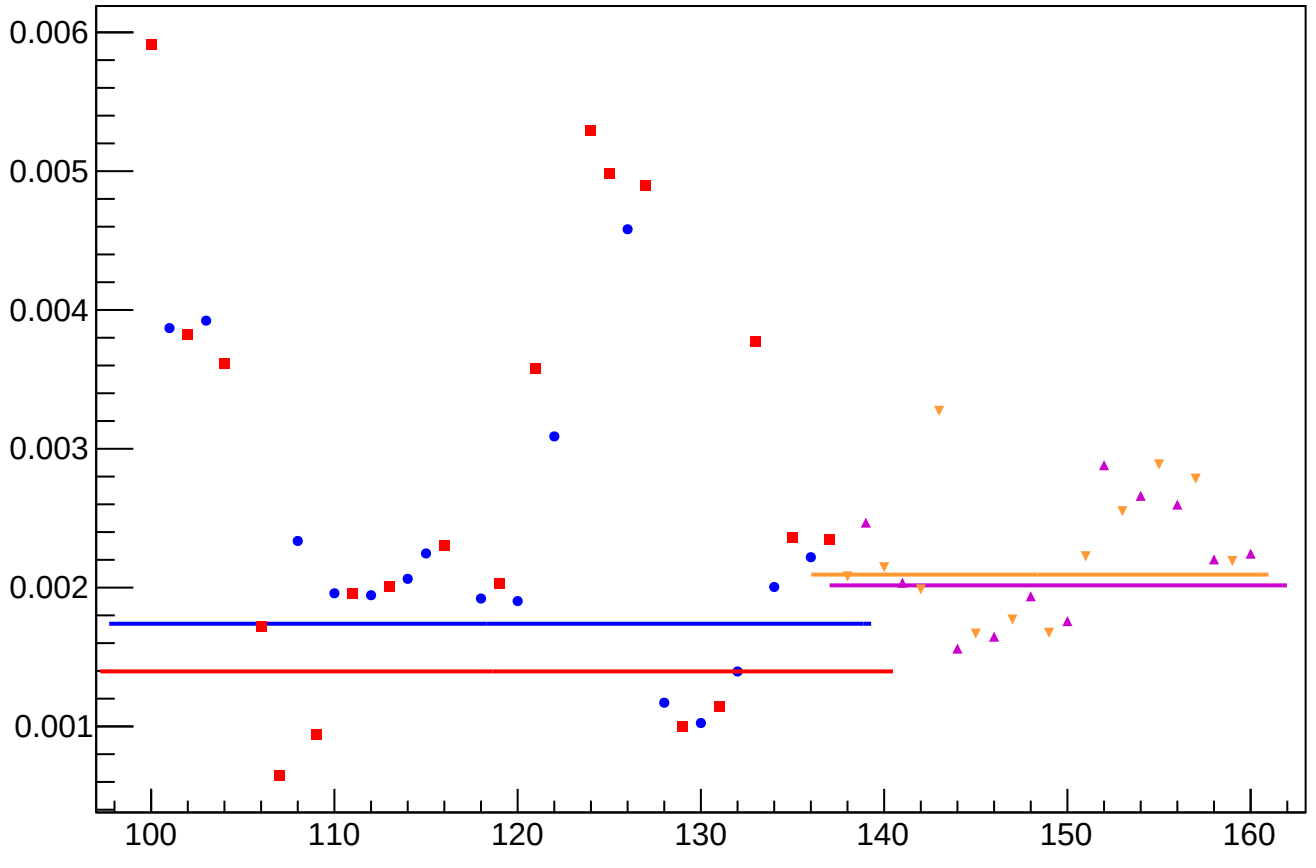
Left: 0.000+/-0.000 χ^2/NDF: 35.3/22

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/26

Out: -0.000+/-0.000 χ^2/NDF:47.3/30

All: -0.000+/-0.000 χ^2/NDF: 74.0/57



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:704803.8/10

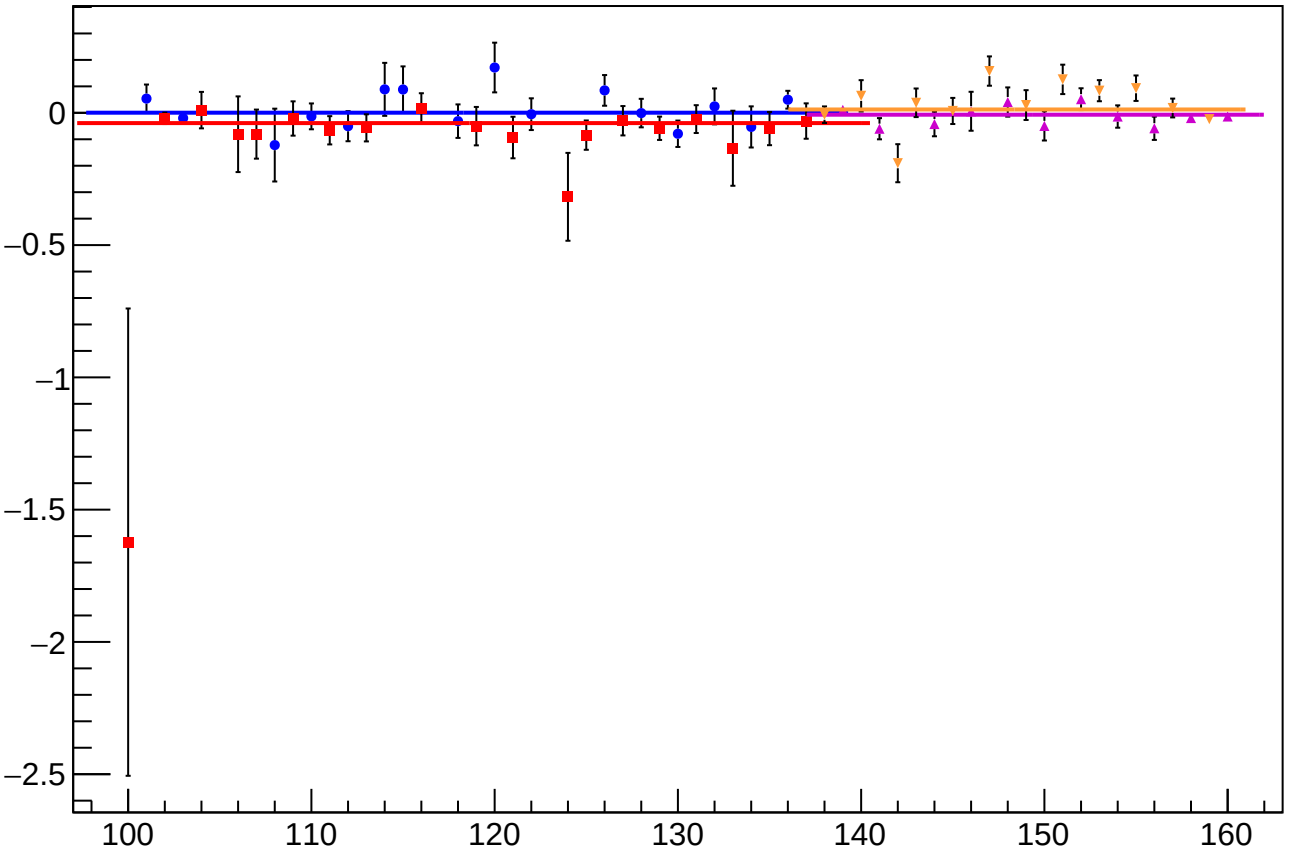
Left: 0.002+/-0.000 χ^2/NDF: 1484748.7/22

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3010982.0/26

Out: 0.002+/-0.000 χ^2/NDF:6222251.5/30

All: 0.002+/-0.000 χ^2/NDF: 9389780.9/57



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: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.000+/-0.006 χ^2/NDF: 43.2/22

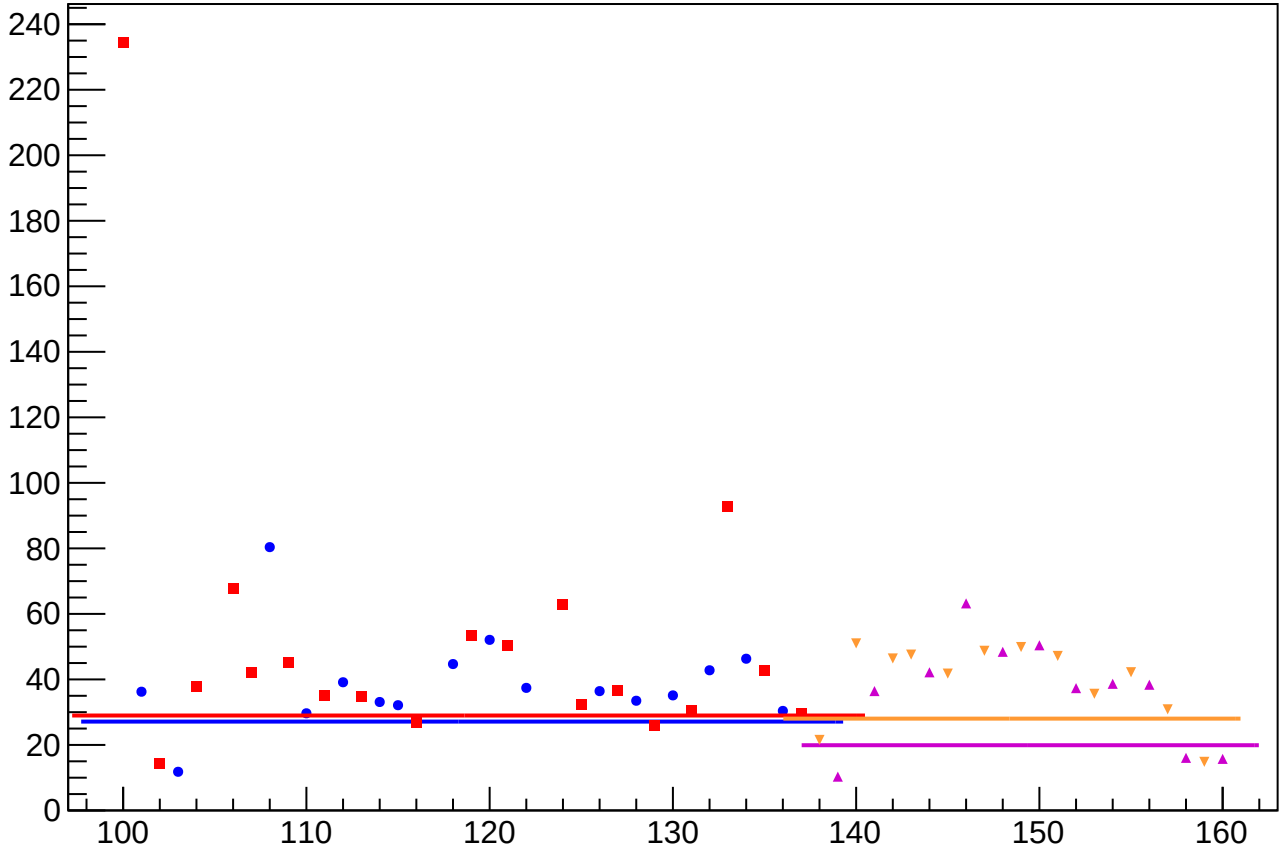
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.7/57

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: 19.914+/-0.006 χ^2/NDF:4964784.6/10

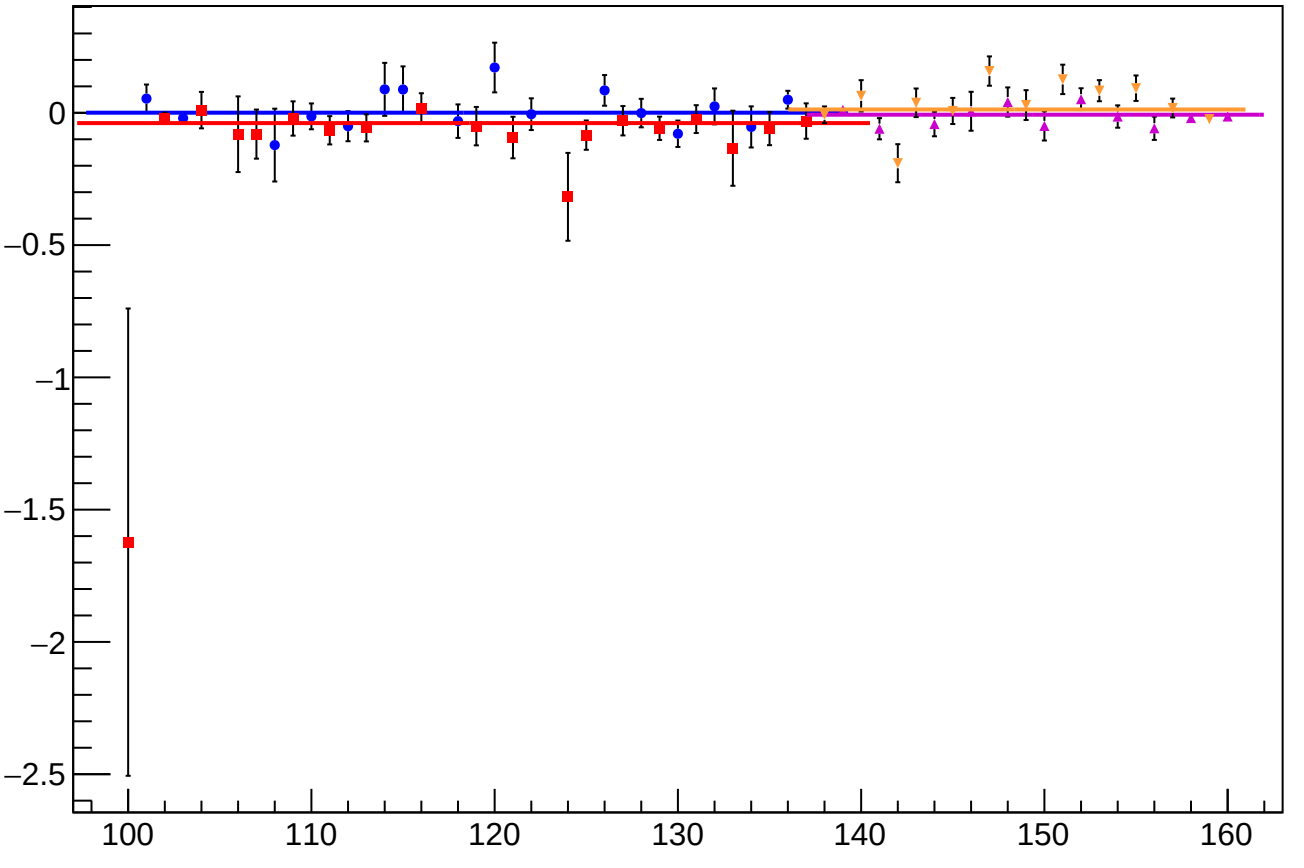
Left: 22.856+/-0.005 χ^2/NDF: 8997054.1/22

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.146+/-0.005 χ^2/NDF:7876759.5/26

Out: 28.428+/-0.006 χ^2/NDF:5758249.8/30

All: 24.673+/-0.004 χ^2/NDF: 14343668.8/57



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: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.000+/-0.006 χ^2/NDF: 43.2/22

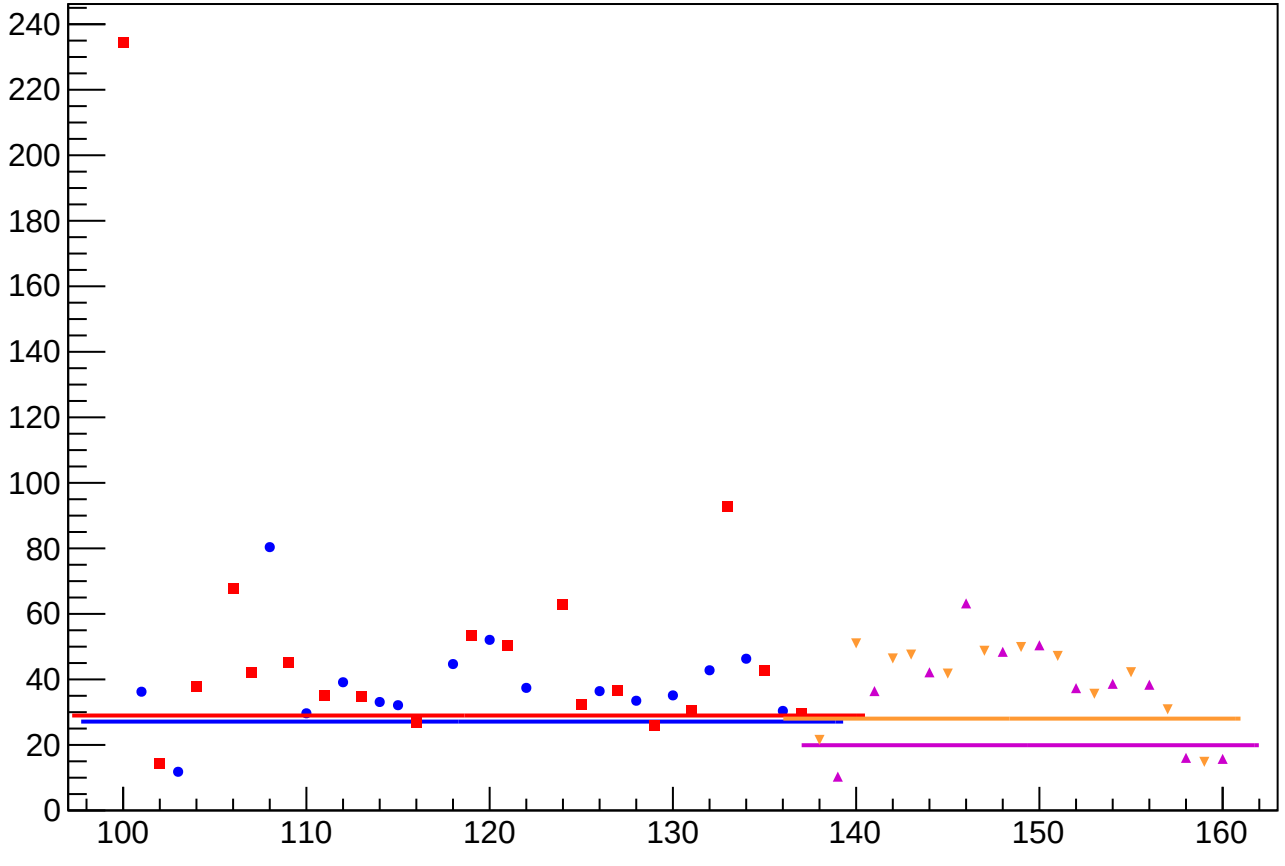
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.009+/-0.008 χ^2/NDF:52.1/30

All: -0.006+/-0.005 χ^2/NDF: 78.7/57

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: 19.914+/-0.006 χ^2/NDF:4964784.6/10

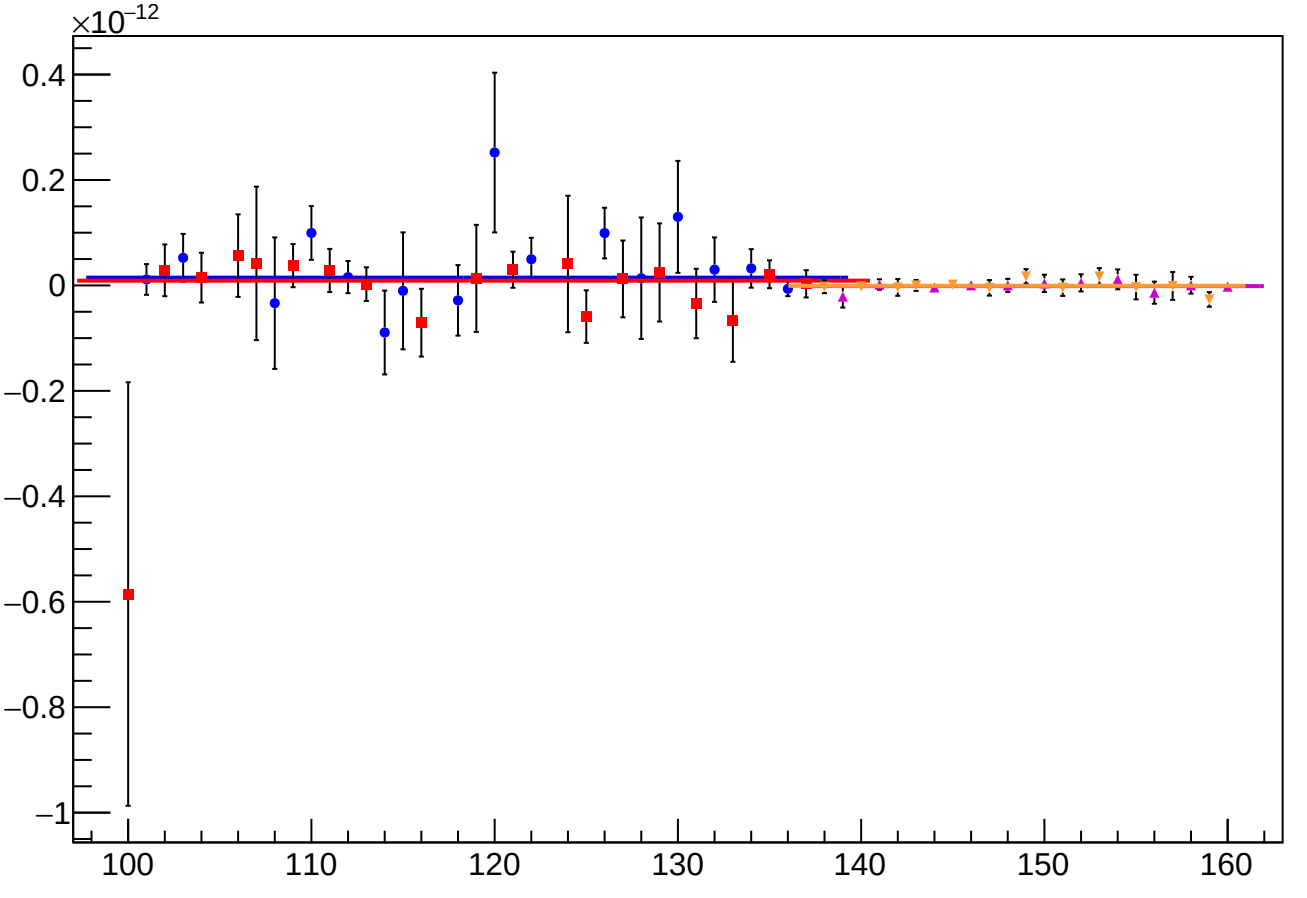
Left: 22.856+/-0.005 χ^2/NDF: 8997054.1/22

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.146+/-0.005 χ^2/NDF:7876759.5/26

Out: 28.428+/-0.006 χ^2/NDF:5758249.8/30

All: 24.673+/-0.004 χ^2/NDF: 14343668.8/57



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:2.3/10

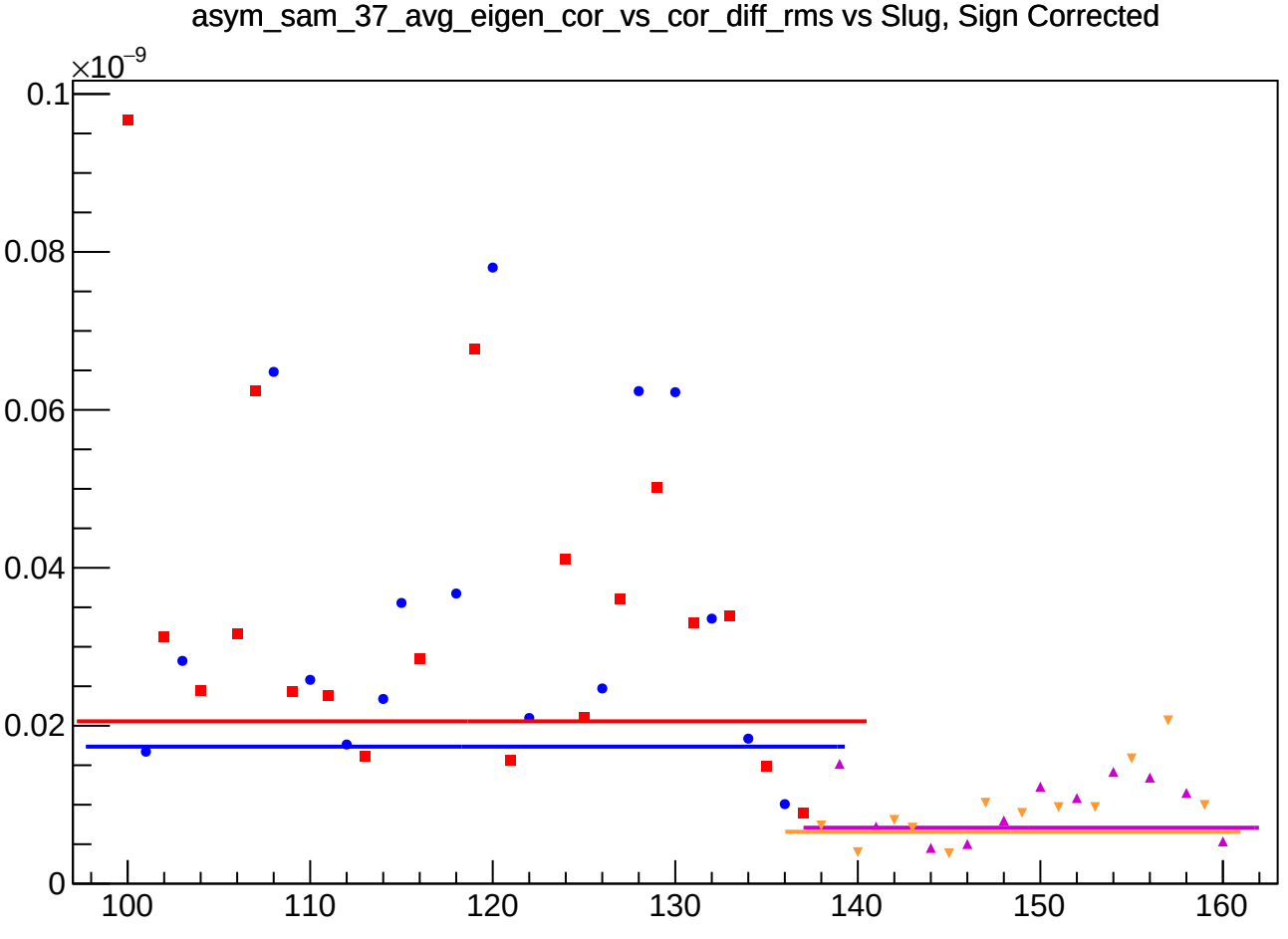
Left: -0.000+/-0.000 χ^2/NDF: 9.1/22

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:20.8/26

Out: 0.000+/-0.000 χ^2/NDF:16.5/30

All: 0.000+/-0.000 χ^2/NDF: 37.3/57



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:1743498.7/10

Left: 0.000+/-0.000 χ^2/NDF: 3809436.8/22

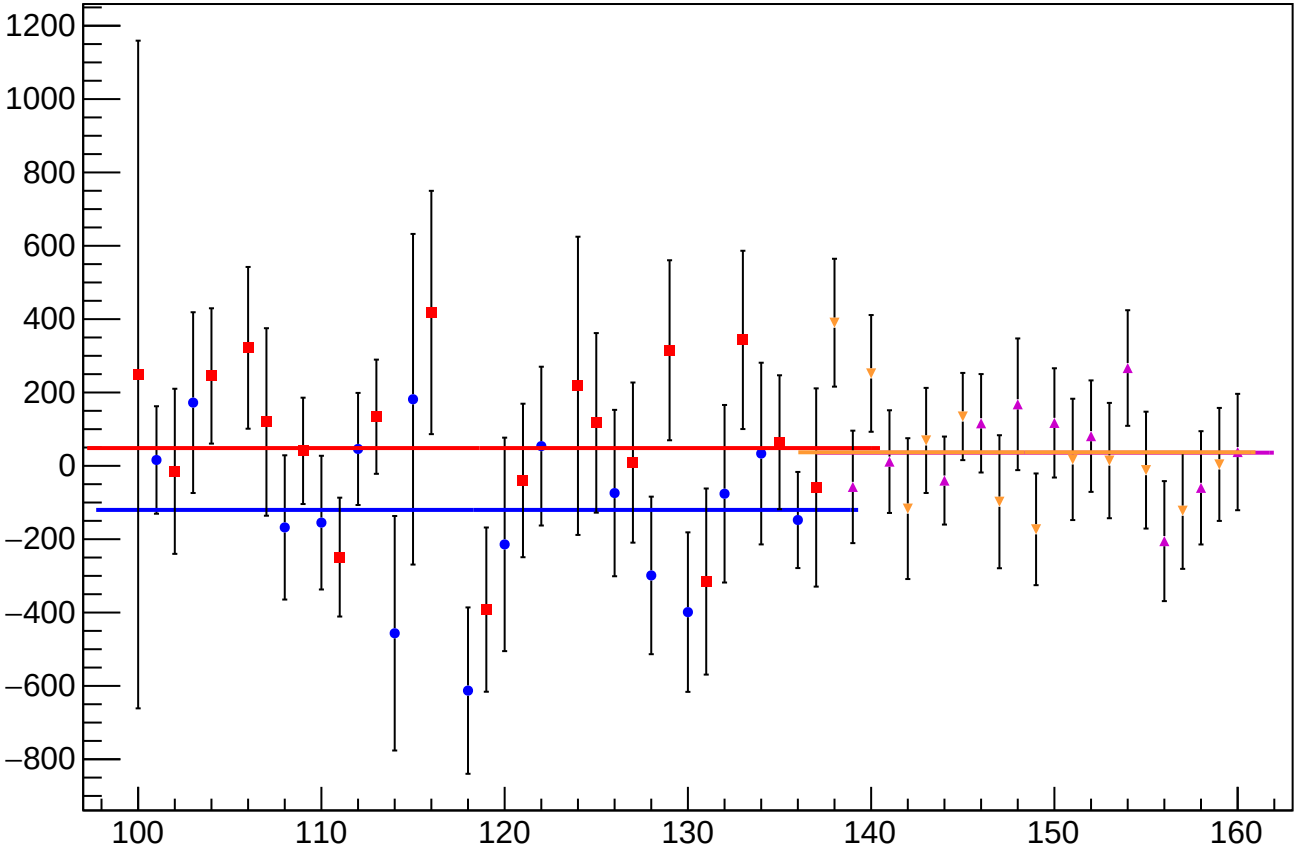
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6271911.4/26

Out: 0.000+/-0.000 χ^2/NDF:7023252.1/30

All: 0.000+/-0.000 χ^2/NDF: 13322840.4/57

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: 35.891+/-44.847 χ^2/NDF:6.8/10

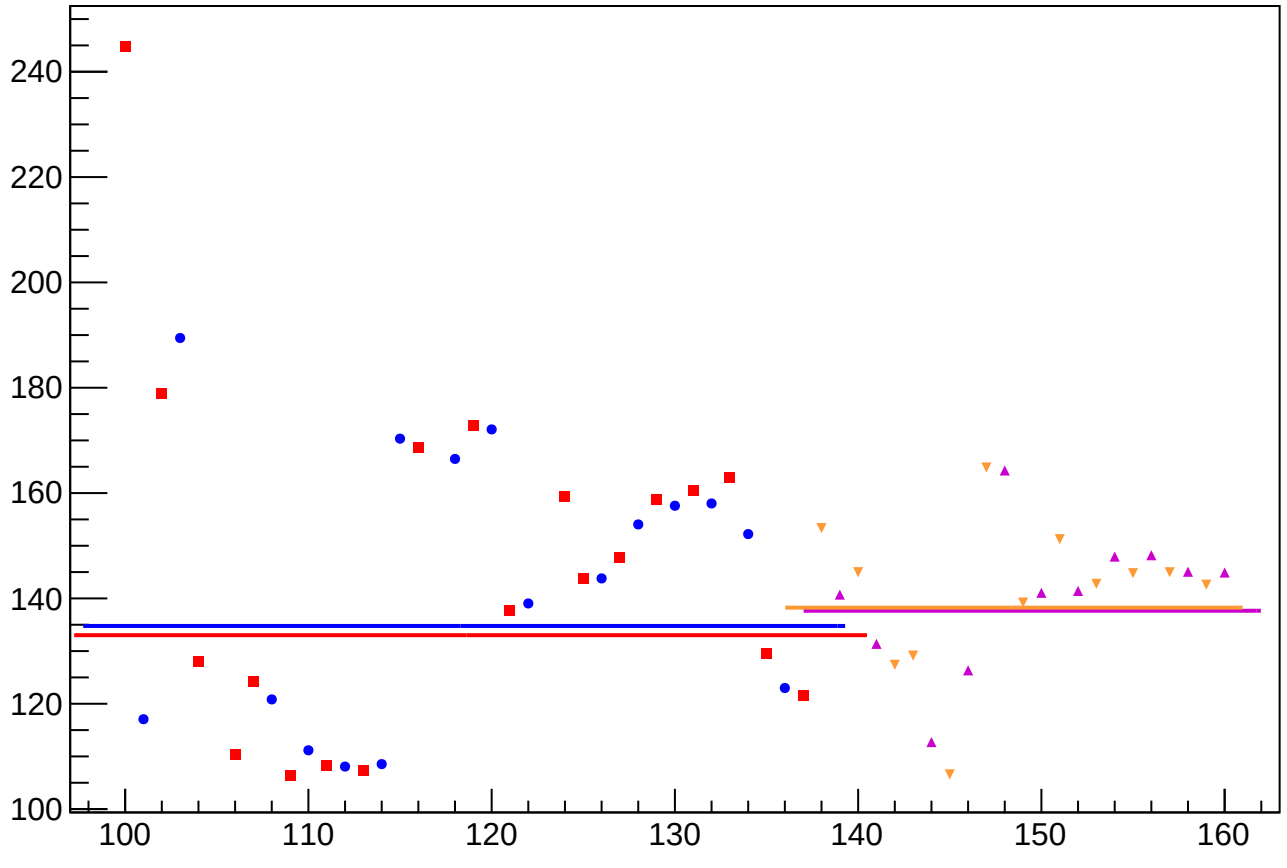
Left: 36.425+/-31.814 χ^2/NDF: 17.7/22

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -32.002+/-33.708 χ^2/NDF:25.5/26

Out: 42.132+/-33.478 χ^2/NDF:28.0/30

All: 5.319+/-23.753 χ^2/NDF: 55.9/57



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: 137.657+/-0.032 χ^2/NDF:177302.3/10

Left: 137.952+/-0.022 χ^2/NDF: 417948.7/22

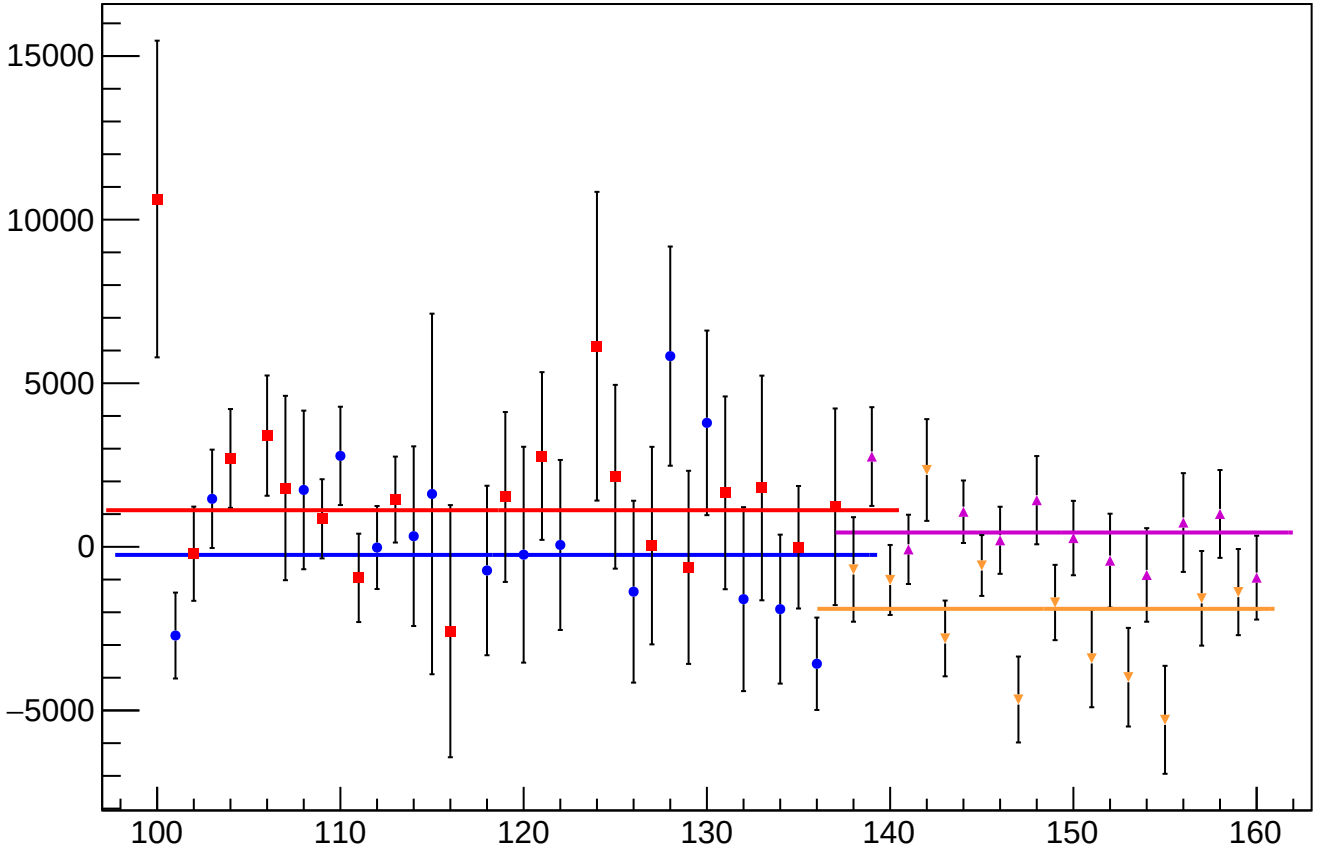
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 136.402+/-0.024 χ^2/NDF:597684.5/26

Out: 135.897+/-0.024 χ^2/NDF:748278.7/30

All: 136.148+/-0.017 χ^2/NDF: 1346188.5/57

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



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: 437.974+/-370.625 χ^2/NDF:6.2/10

Left: -724.372+/-262.534 χ^2/NDF: 49.2/22

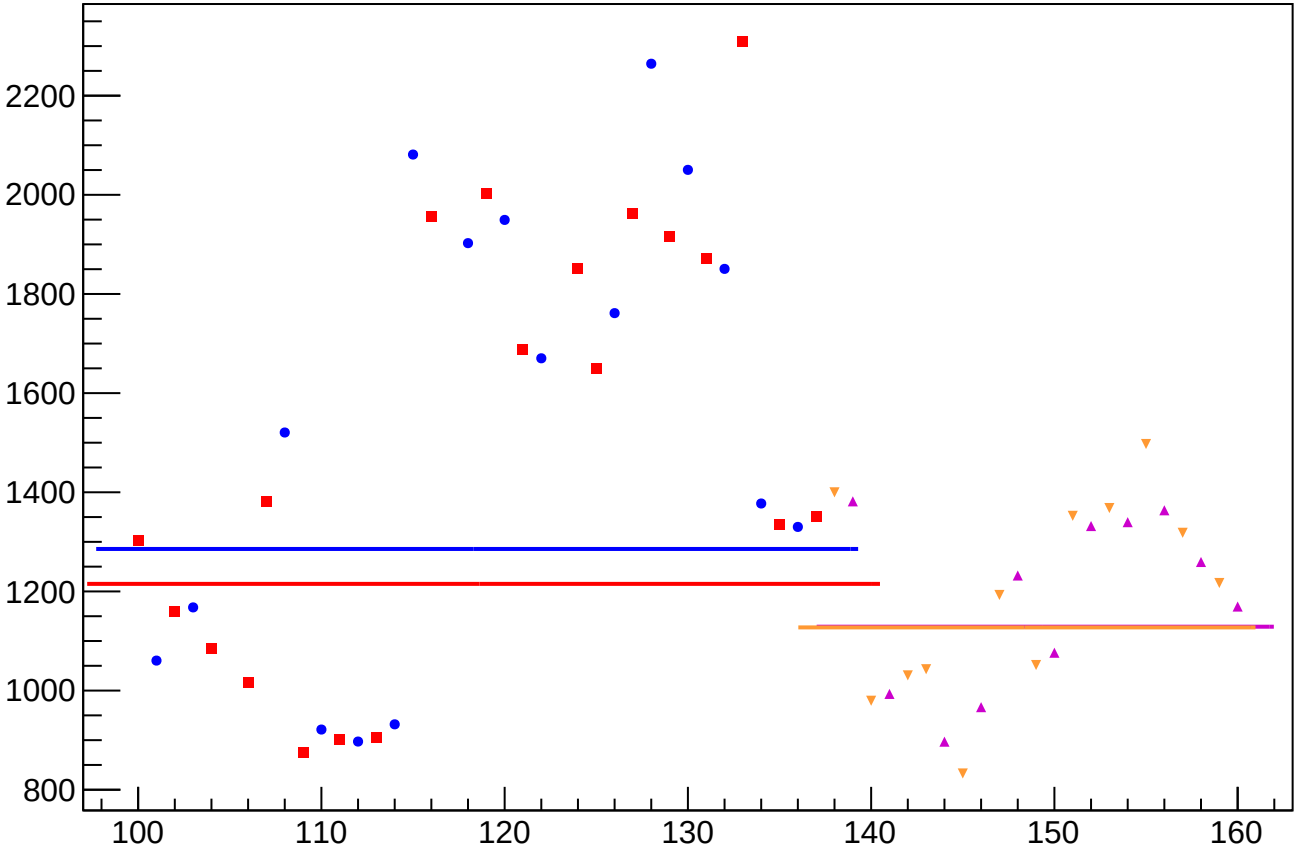
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 196.186+/-298.044 χ^2/NDF:29.0/26

Out: -729.292+/-291.277 χ^2/NDF:62.0/30

All: -277.179+/-208.315 χ^2/NDF: 96.0/57

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1127.434+/-0.263 χ^2/NDF:570503.8/11

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1128.861+/-0.262 χ^2/NDF:425858.3/10

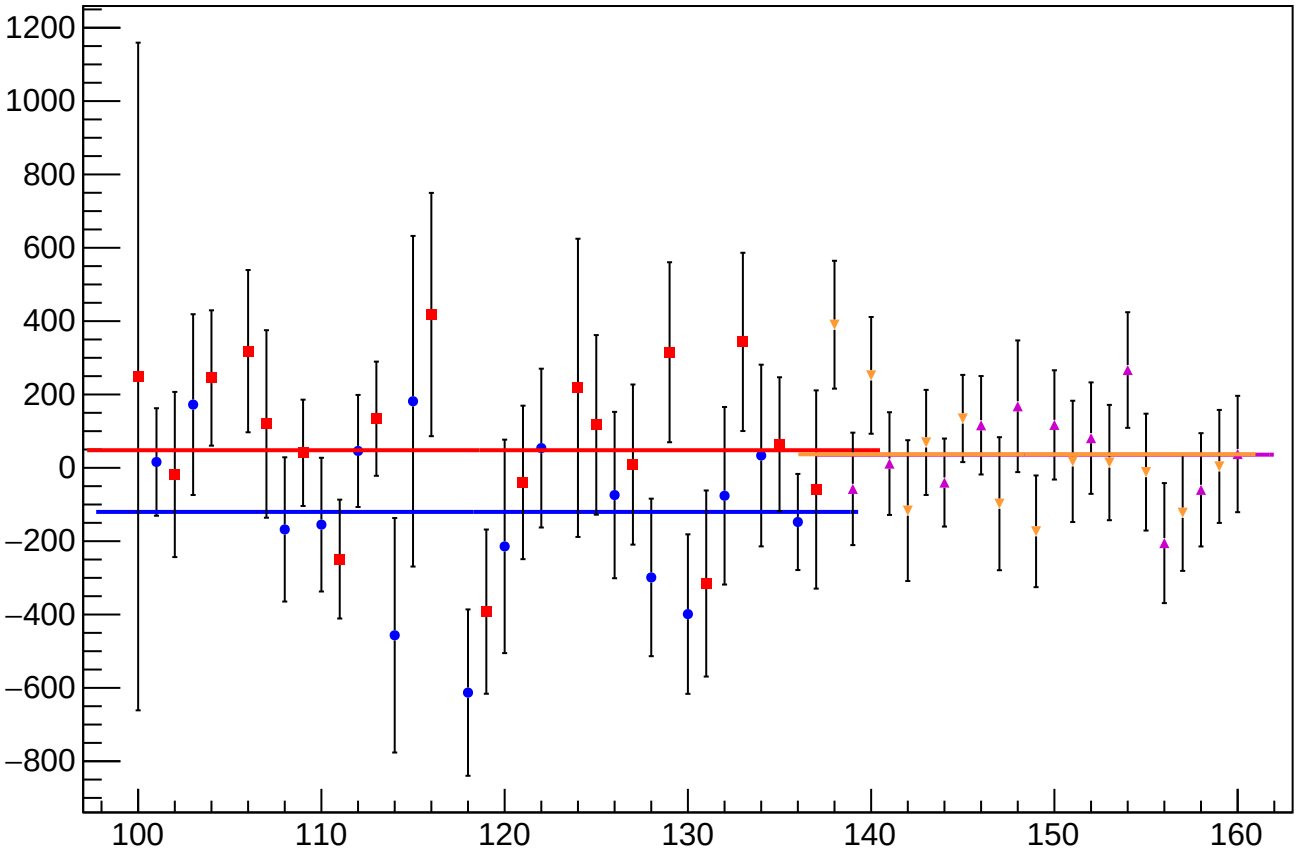
Left: 1128.150+/-0.186 χ^2/NDF: 996376.9/22

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1184.264+/-0.211 χ^2/NDF:1722786.1/26

Out: 1161.388+/-0.206 χ^2/NDF:1999894.7/30

All: 1172.563+/-0.147 χ^2/NDF: 3728707.4/57



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: 35.896+/-44.847 χ^2/NDF:6.8/10

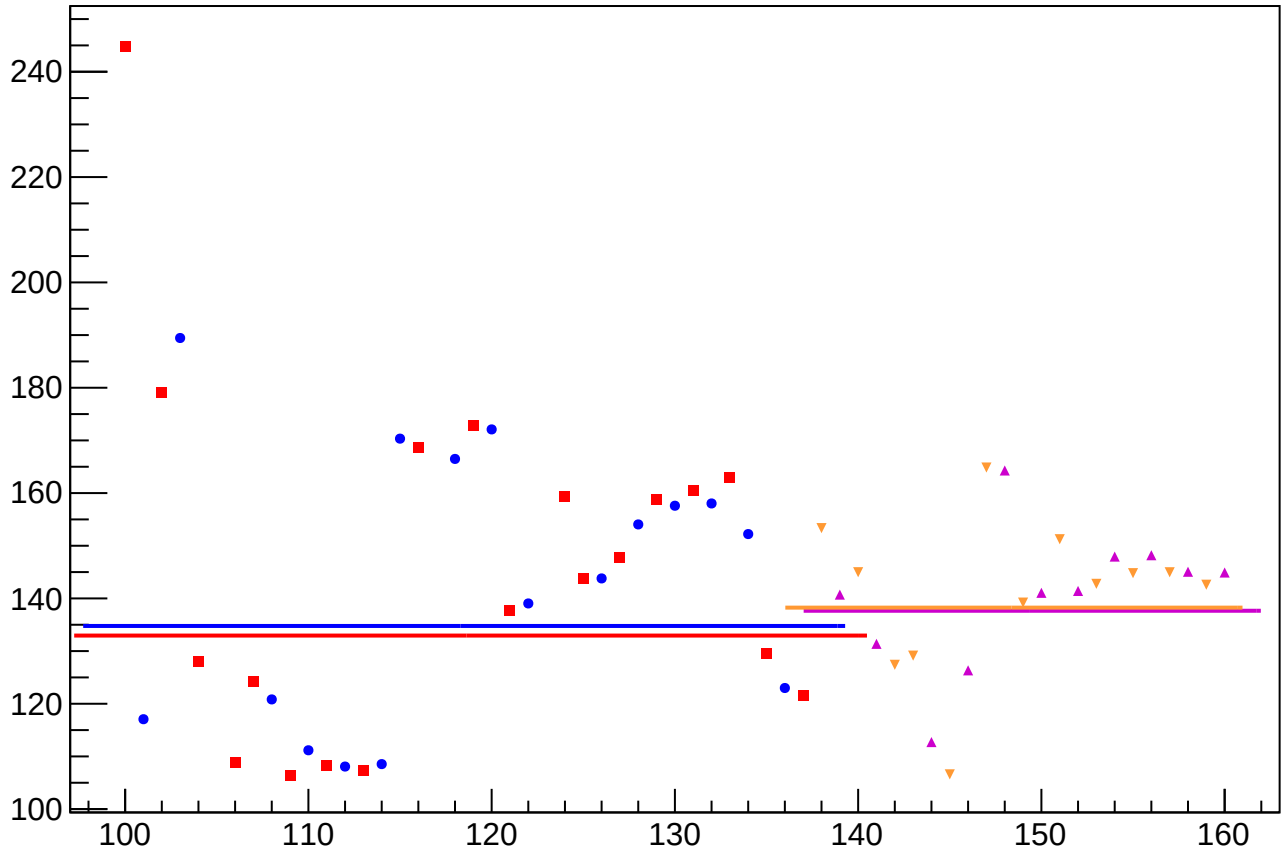
Left: 36.428+/-31.814 χ^2/NDF: 17.7/22

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -32.004+/-33.708 χ^2/NDF:25.5/26

Out: 41.936+/-33.481 χ^2/NDF:27.9/30

All: 5.216+/-23.754 χ^2/NDF: 55.8/57



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: 137.657+/-0.032 χ^2/NDF:177302.3/10

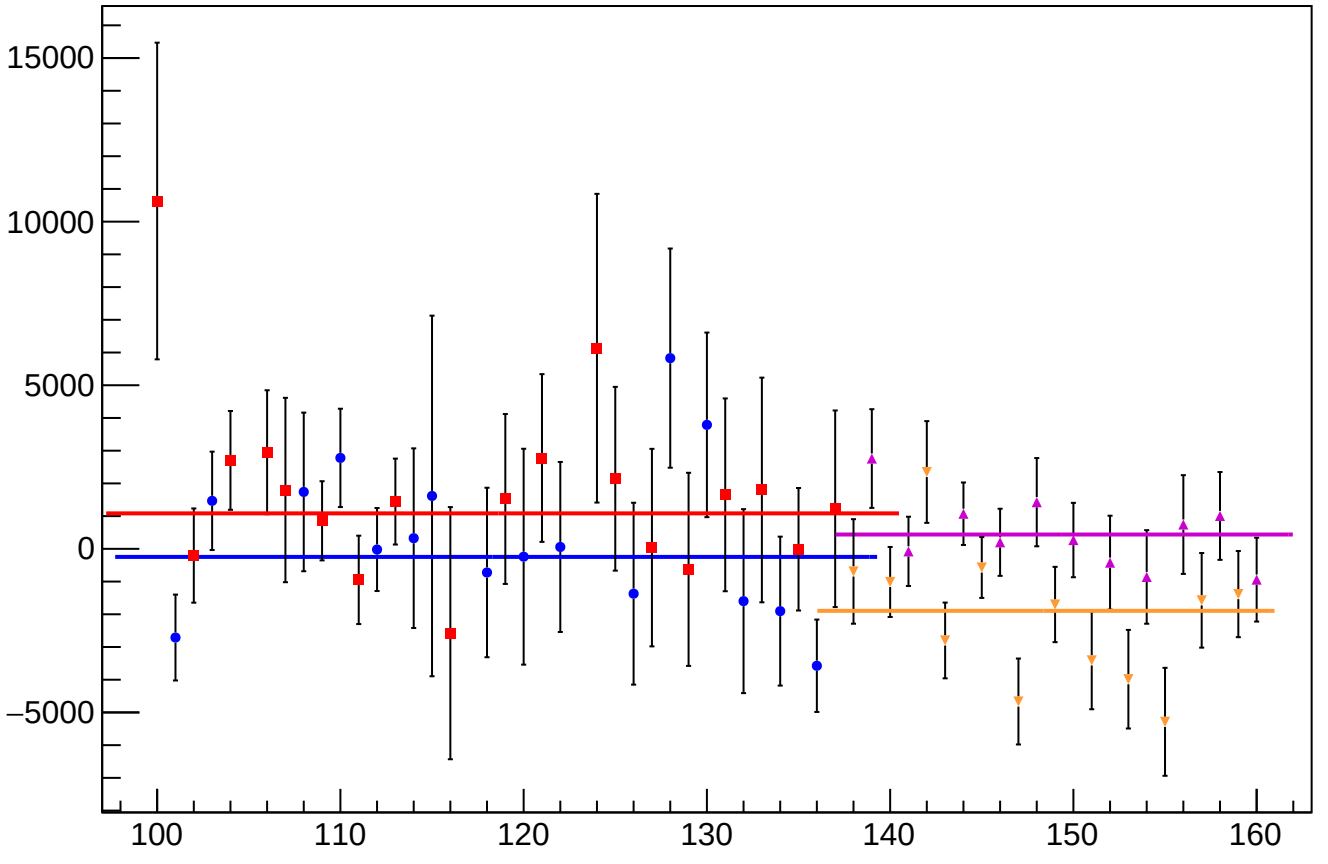
Left: 137.952+/-0.022 χ^2/NDF: 417948.7/22

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 136.402+/-0.024 χ^2/NDF:597687.5/26

Out: 135.865+/-0.024 χ^2/NDF:751746.6/30

All: 136.132+/-0.017 χ^2/NDF: 1349689.0/57



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: 437.986+/-370.625 χ^2/NDF:6.2/10

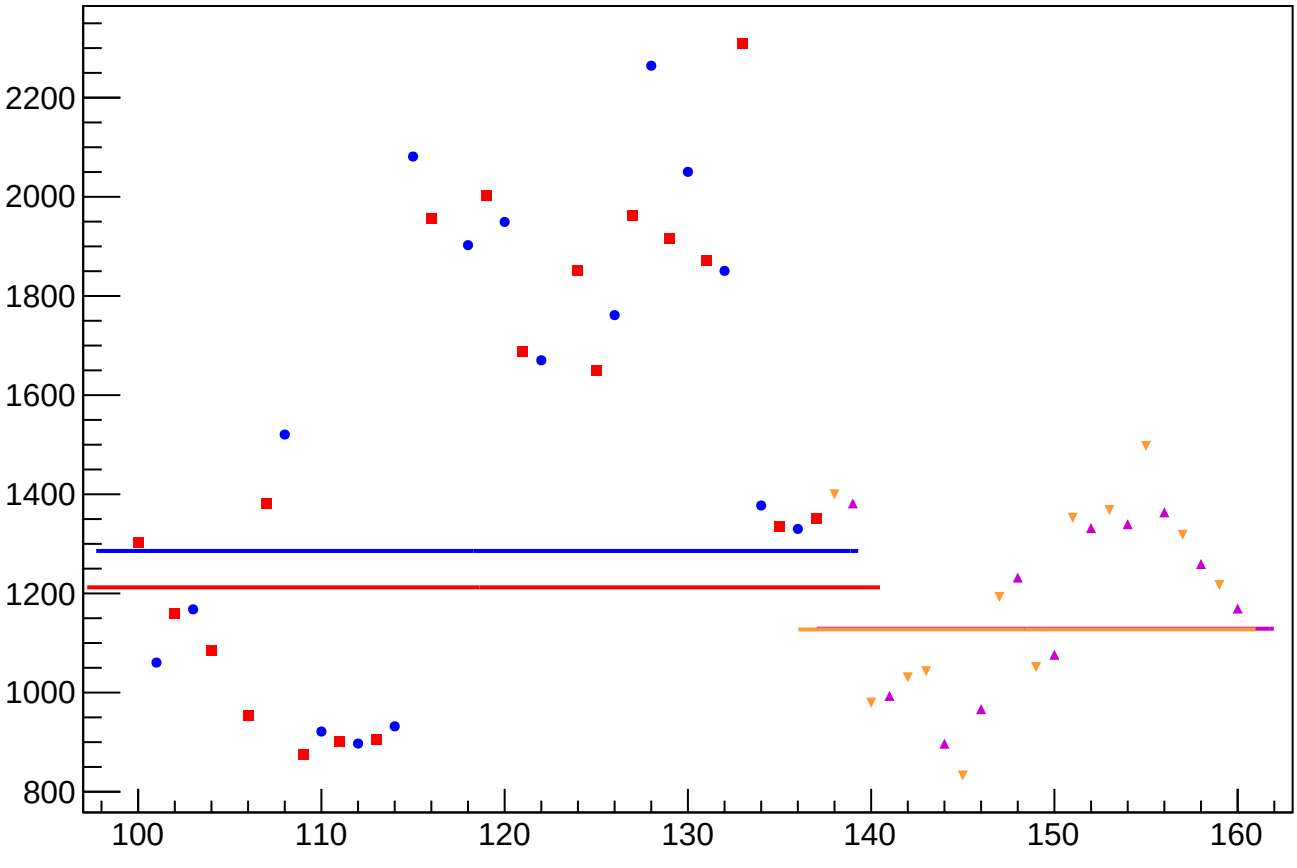
Left: -724.365+/-262.534 χ^2/NDF: 49.2/22

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.172+/-298.045 χ^2/NDF:29.0/26

Out: -745.734+/-291.498 χ^2/NDF:60.7/30

All: -285.239+/-208.396 χ^2/NDF: 94.9/57



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: 1128.861+/-0.262 χ^2/NDF:425855.7/10

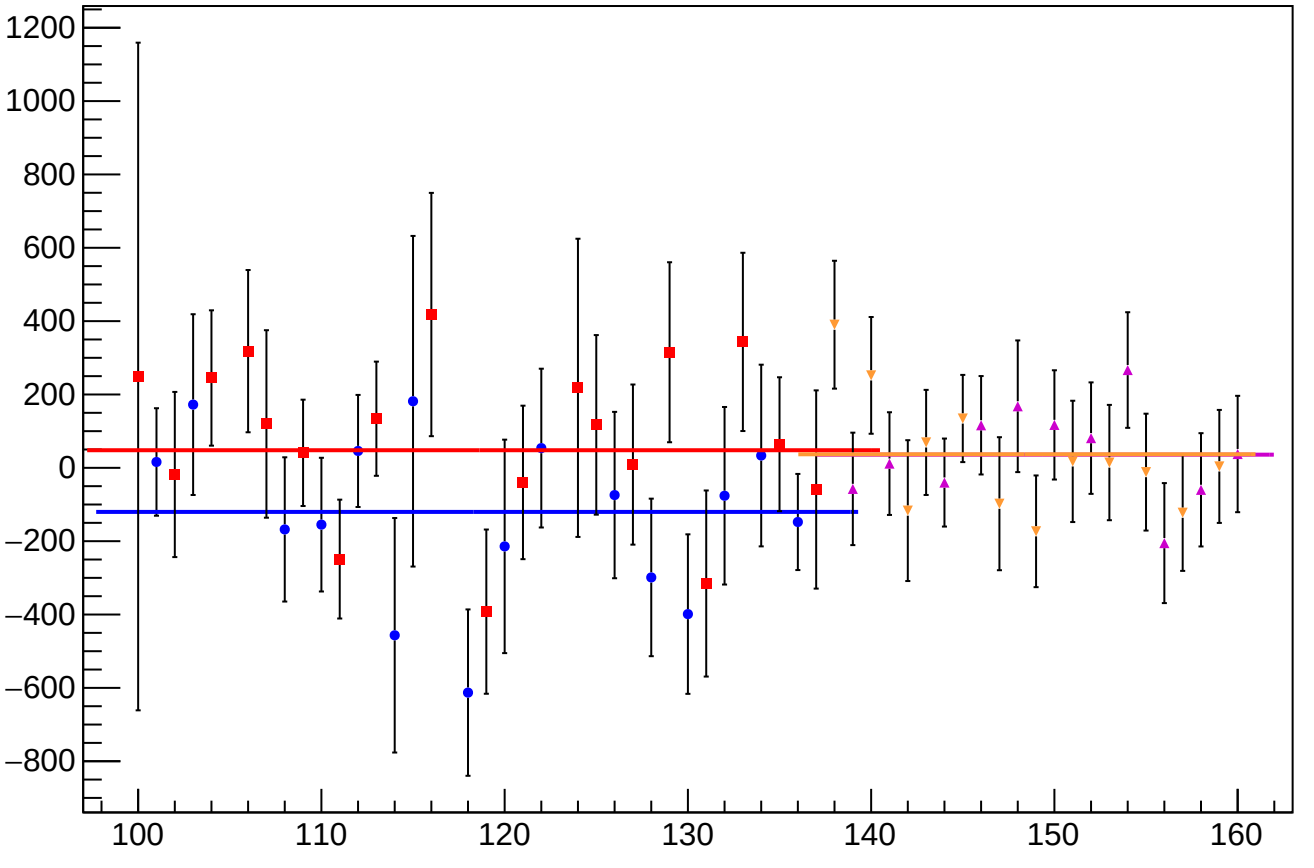
Left: 1128.150+/-0.186 χ^2/NDF: 996376.8/22

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1184.268+/-0.211 χ^2/NDF:1722778.7/26

Out: 1160.163+/-0.206 χ^2/NDF:2011286.9/30

All: 1171.948+/-0.147 χ^2/NDF: 3740751.9/57



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: 35.896+/-44.847 χ^2/NDF:6.8/10

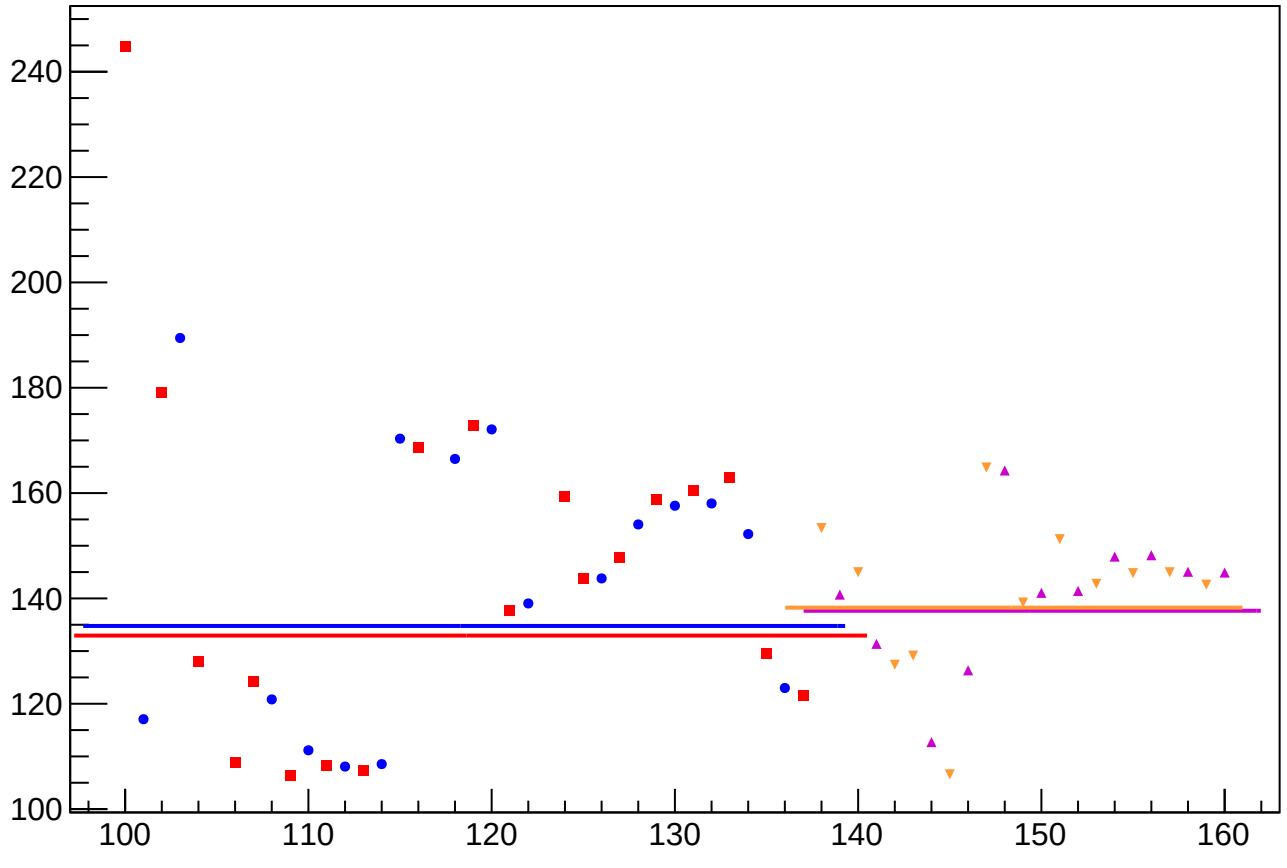
Left: 36.428+/-31.814 χ^2/NDF: 17.7/22

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -32.004+/-33.708 χ^2/NDF:25.5/26

Out: 41.936+/-33.481 χ^2/NDF:27.9/30

All: 5.216+/-23.754 χ^2/NDF: 55.8/57



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: 137.657+/-0.032 χ^2/NDF:177302.3/10

Left: 137.952+/-0.022 χ^2/NDF: 417948.7/22

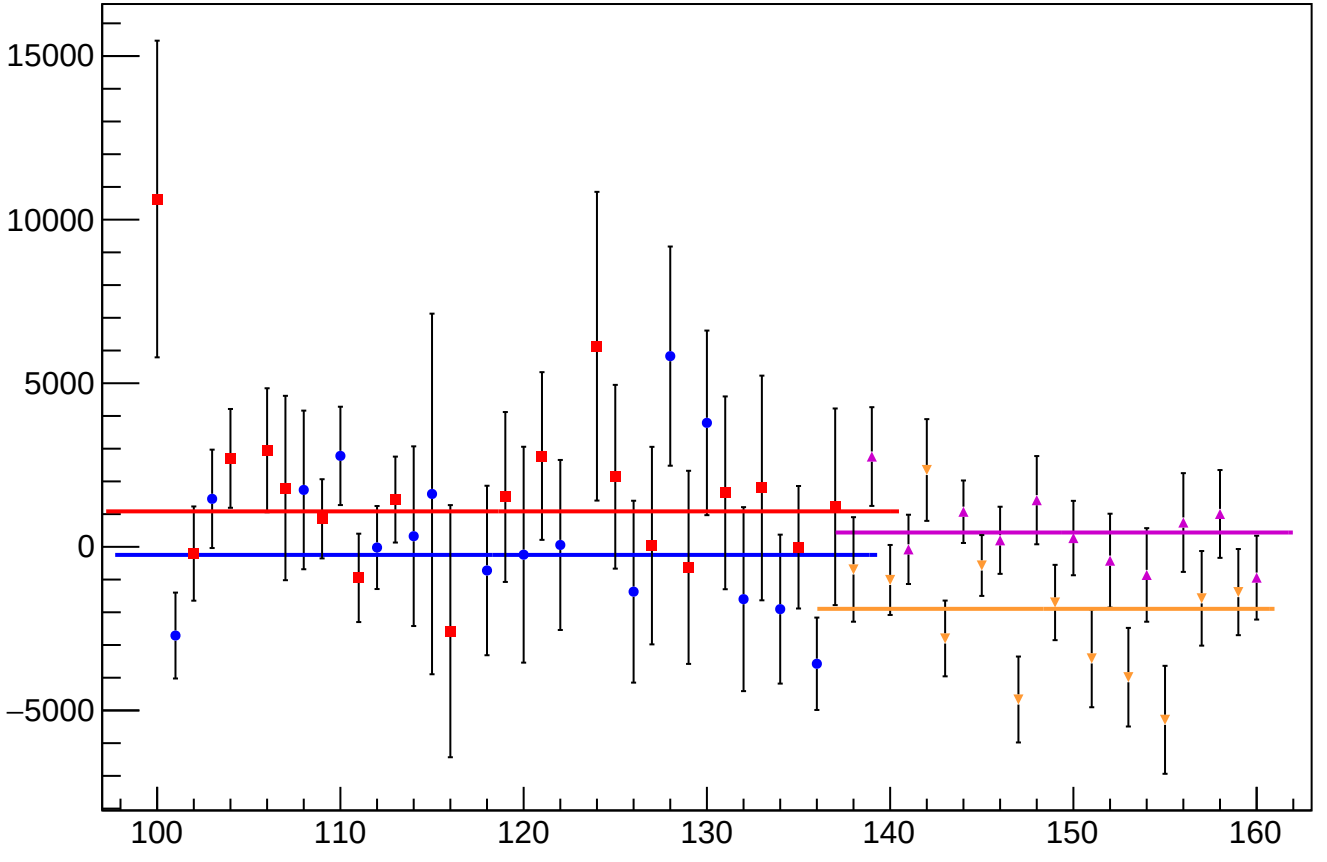
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 136.402+/-0.024 χ^2/NDF:597687.5/26

Out: 135.865+/-0.024 χ^2/NDF:751746.6/30

All: 136.132+/-0.017 χ^2/NDF: 1349689.0/57

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1894.962+/-371.938 χ^2/NDF:23.2/11

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 437.986+/-370.625 χ^2/NDF:6.2/10

Left: -724.365+/-262.534 χ^2/NDF: 49.2/22

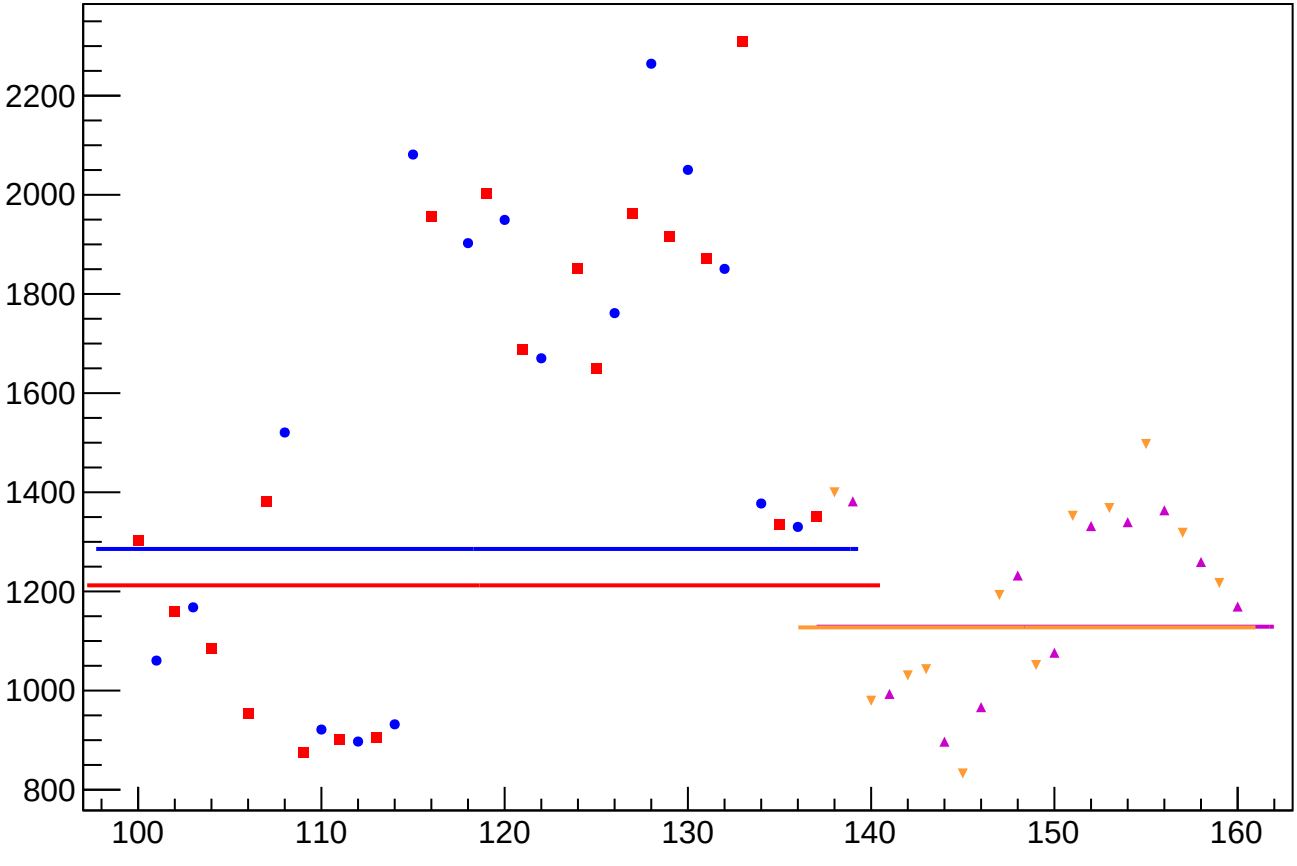
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.172+/-298.045 χ^2/NDF:29.0/26

Out: -745.734+/-291.498 χ^2/NDF:60.7/30

All: -285.239+/-208.396 χ^2/NDF: 94.9/57

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1127.434+/-0.263 χ^2/NDF:570506.3/11

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

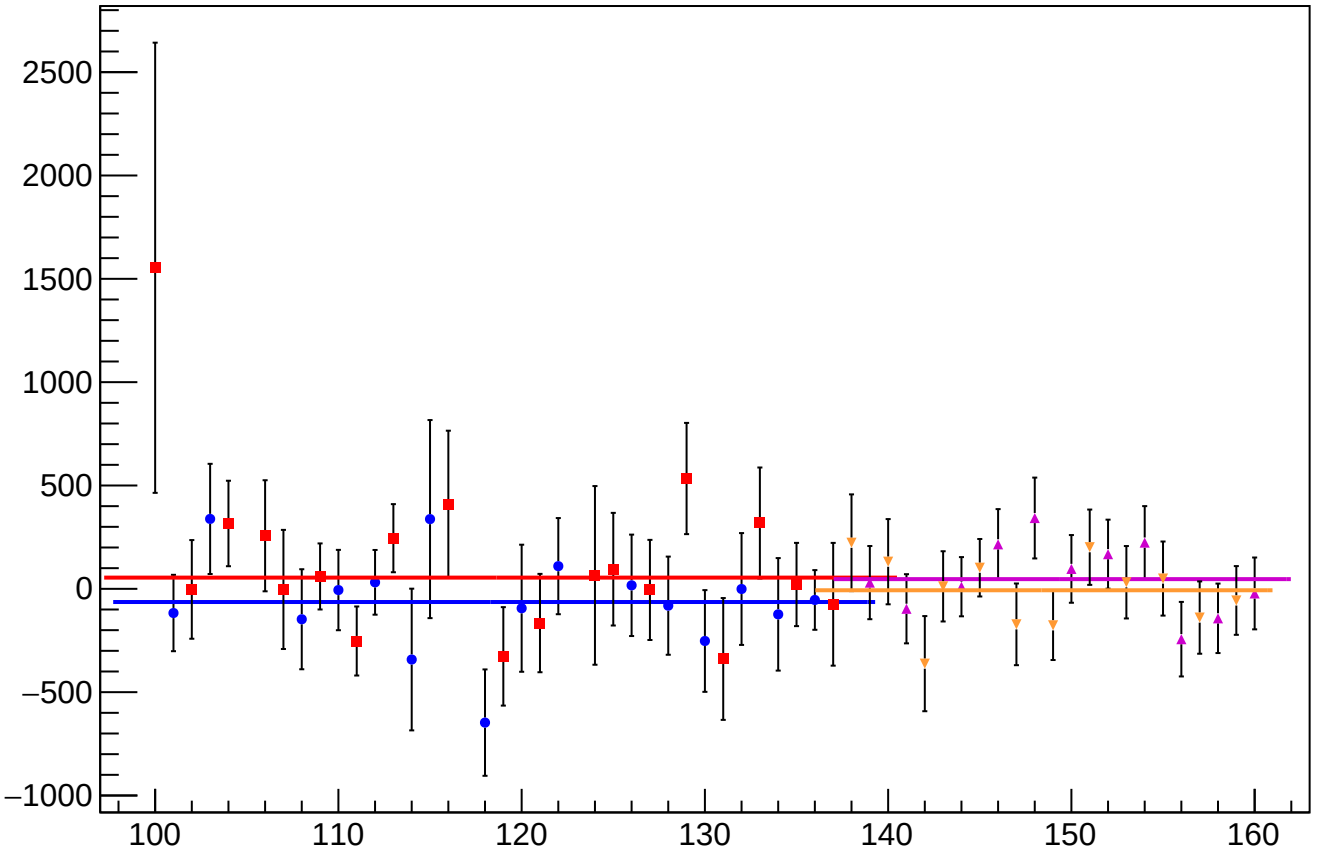
Left: 1128.150+/-0.186 χ^2/NDF: 996376.8/22

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1184.268+/-0.211 χ^2/NDF:1722778.7/26

Out: 1160.163+/-0.206 χ^2/NDF:2011286.9/30

All: 1171.948+/-0.147 χ^2/NDF: 3740751.9/57



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: 46.965+/-51.201 χ^2/NDF:9.7/10

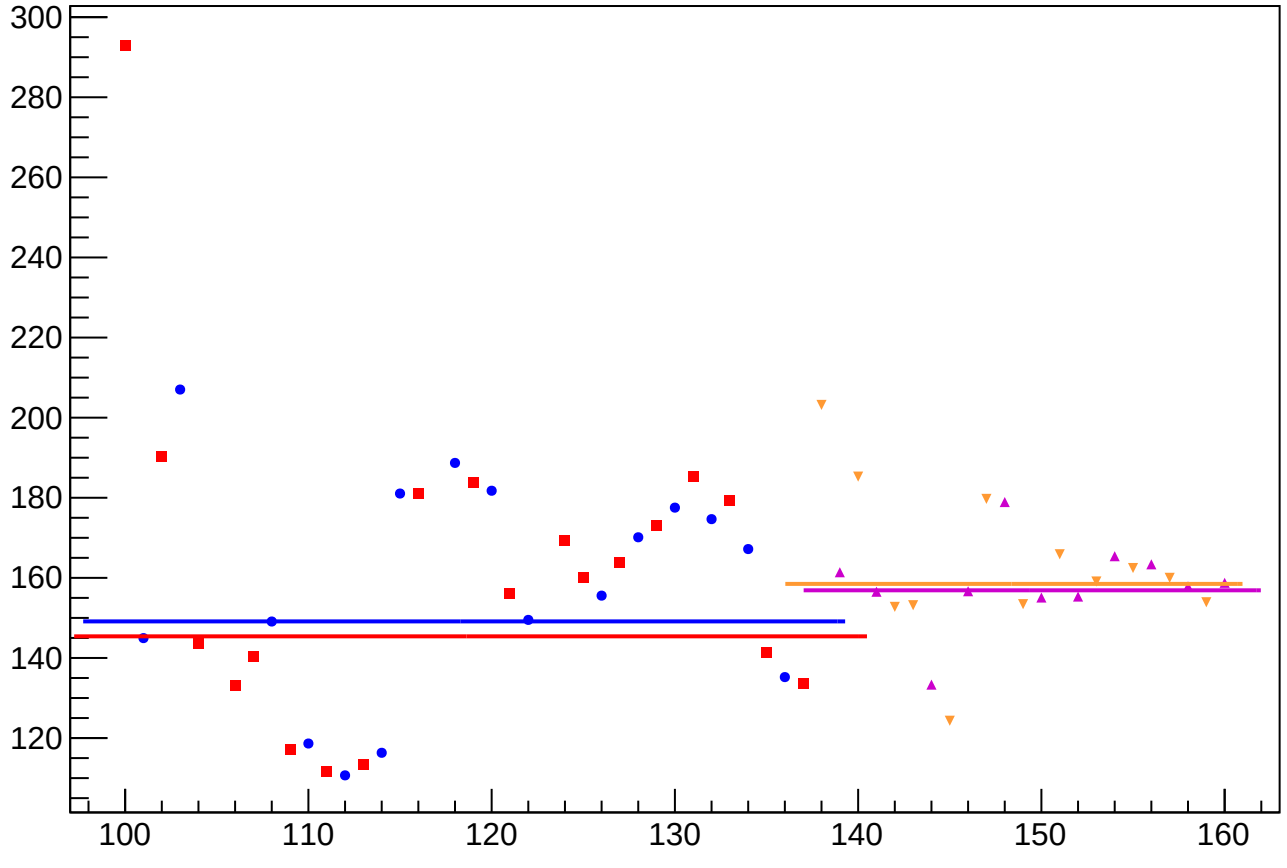
Left: 20.404+/-36.462 χ^2/NDF: 18.5/22

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -2.747+/-38.011 χ^2/NDF:22.6/26

Out: 22.080+/-37.677 χ^2/NDF:28.4/30

All: 9.776+/-26.759 χ^2/NDF: 51.3/57



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: 156.892+/-0.036 χ^2/NDF:88721.4/10

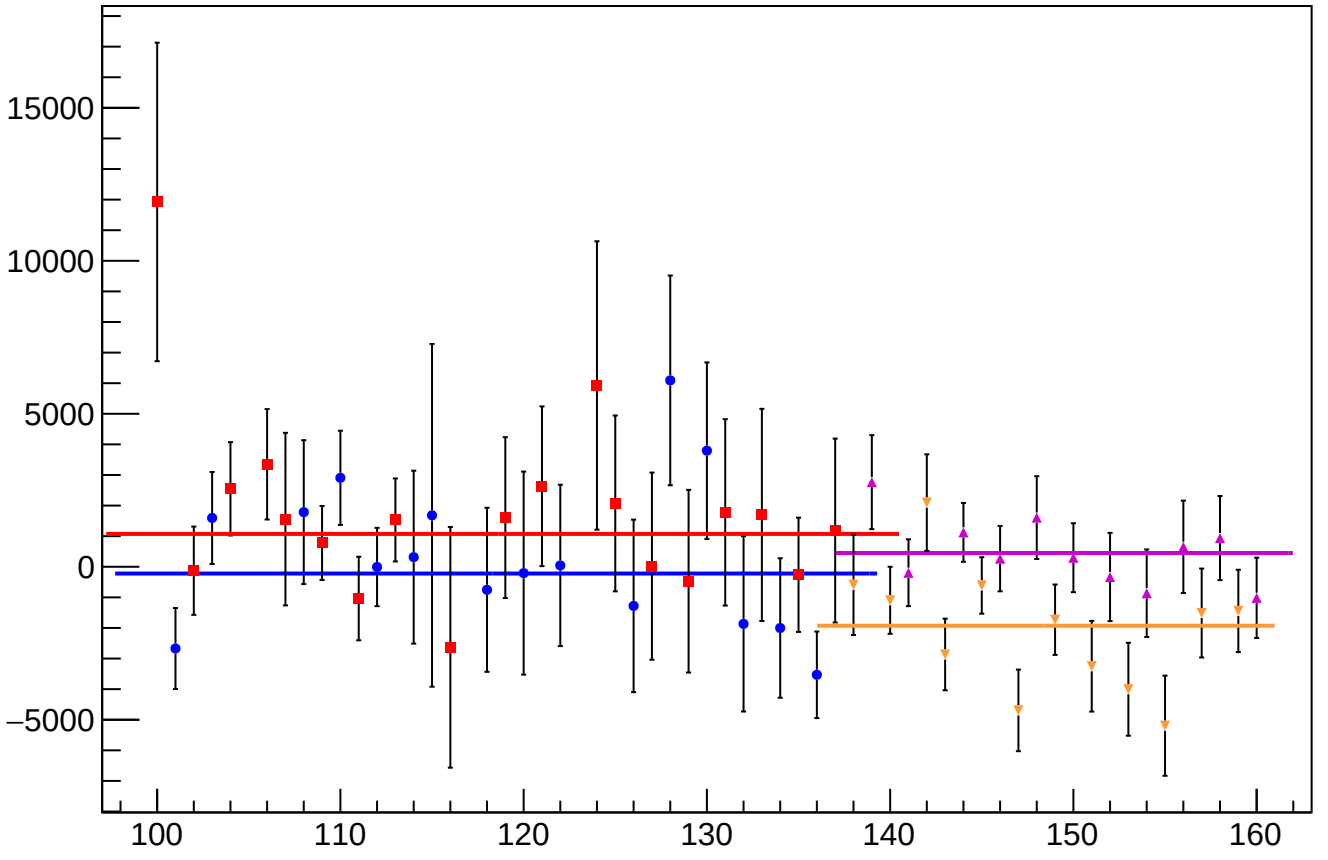
Left: 157.681+/-0.026 χ^2/NDF: 351157.8/22

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 153.408+/-0.027 χ^2/NDF:560353.3/26

Out: 152.291+/-0.027 χ^2/NDF:847518.8/30

All: 152.844+/-0.019 χ^2/NDF: 1408743.2/57



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: 449.804+/-375.981 χ^2/NDF:6.4/10

Left: -742.423+/-265.455 χ^2/NDF: 48.1/22

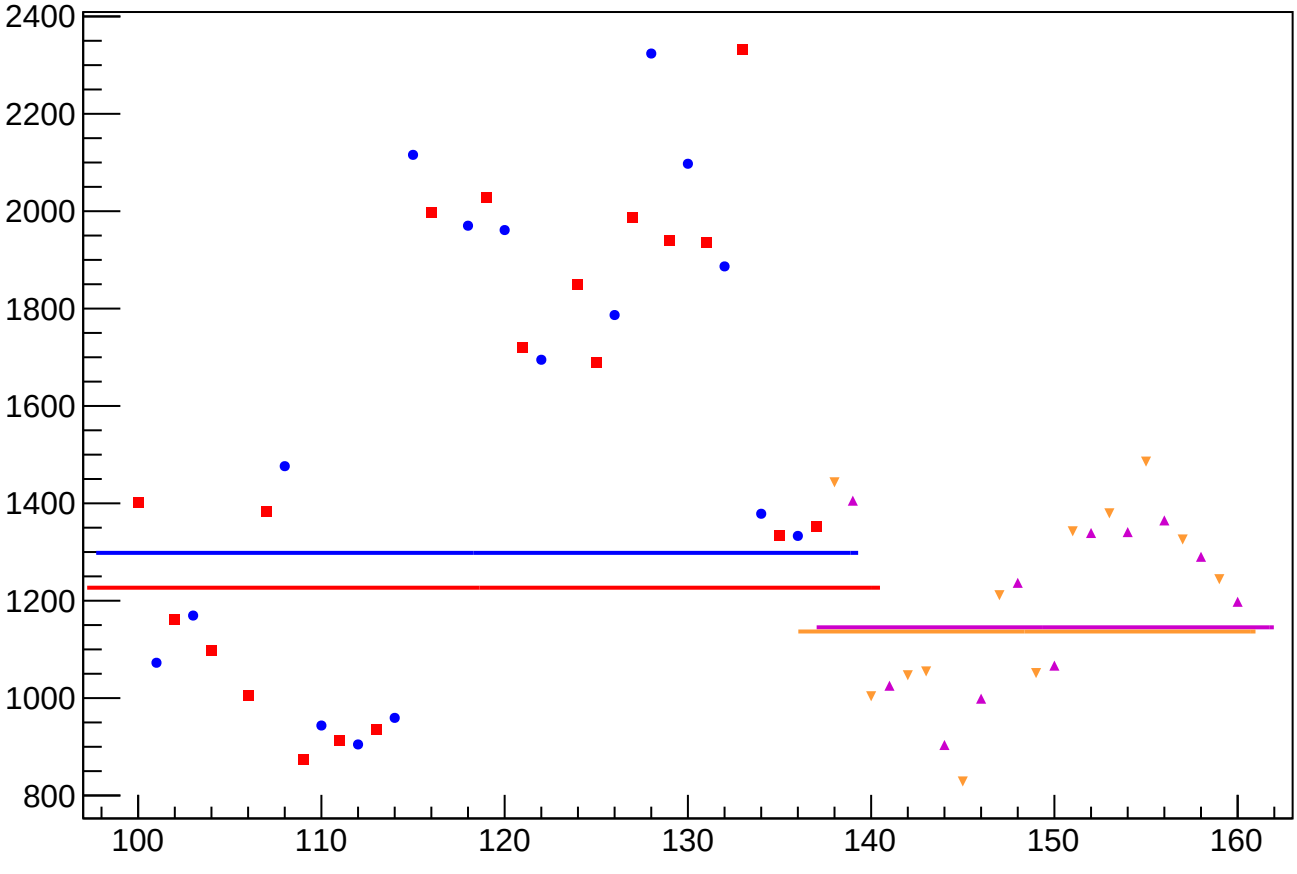
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 211.224+/-301.832 χ^2/NDF:29.4/26

Out: -768.891+/-293.733 χ^2/NDF:60.0/30

All: -292.159+/-210.506 χ^2/NDF: 94.8/57

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1136.788+/-0.265 χ^2/NDF:582635.4/11

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1145.364+/-0.266 χ^2/NDF:405690.1/10

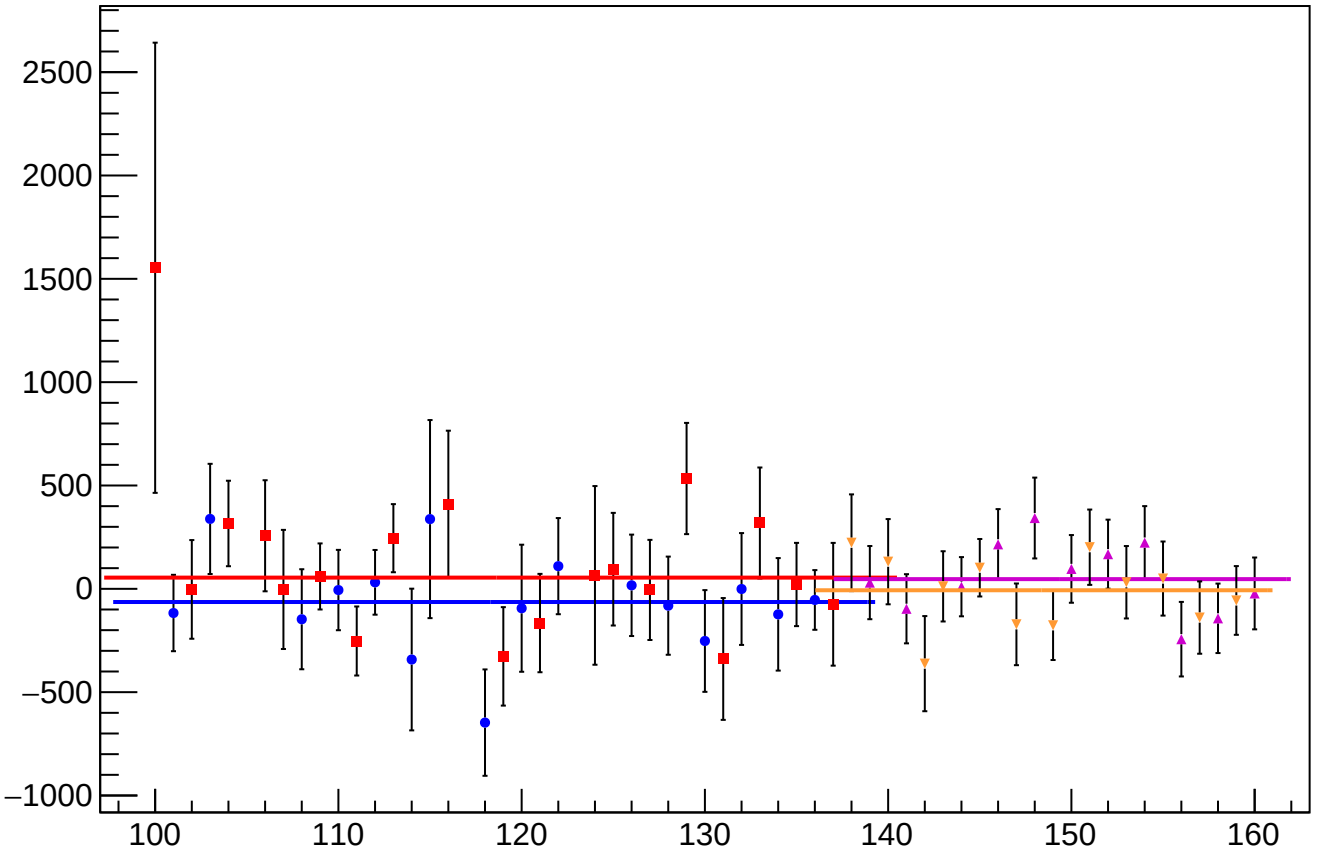
Left: 1141.063+/-0.188 χ^2/NDF: 988847.4/22

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1199.736+/-0.213 χ^2/NDF:1705454.5/26

Out: 1171.500+/-0.208 χ^2/NDF:2031596.1/30

All: 1185.234+/-0.149 χ^2/NDF: 3746040.1/57



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -6.923+/-51.936 χ^2/NDF:8.3/11

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 46.965+/-51.202 χ^2/NDF:9.7/10

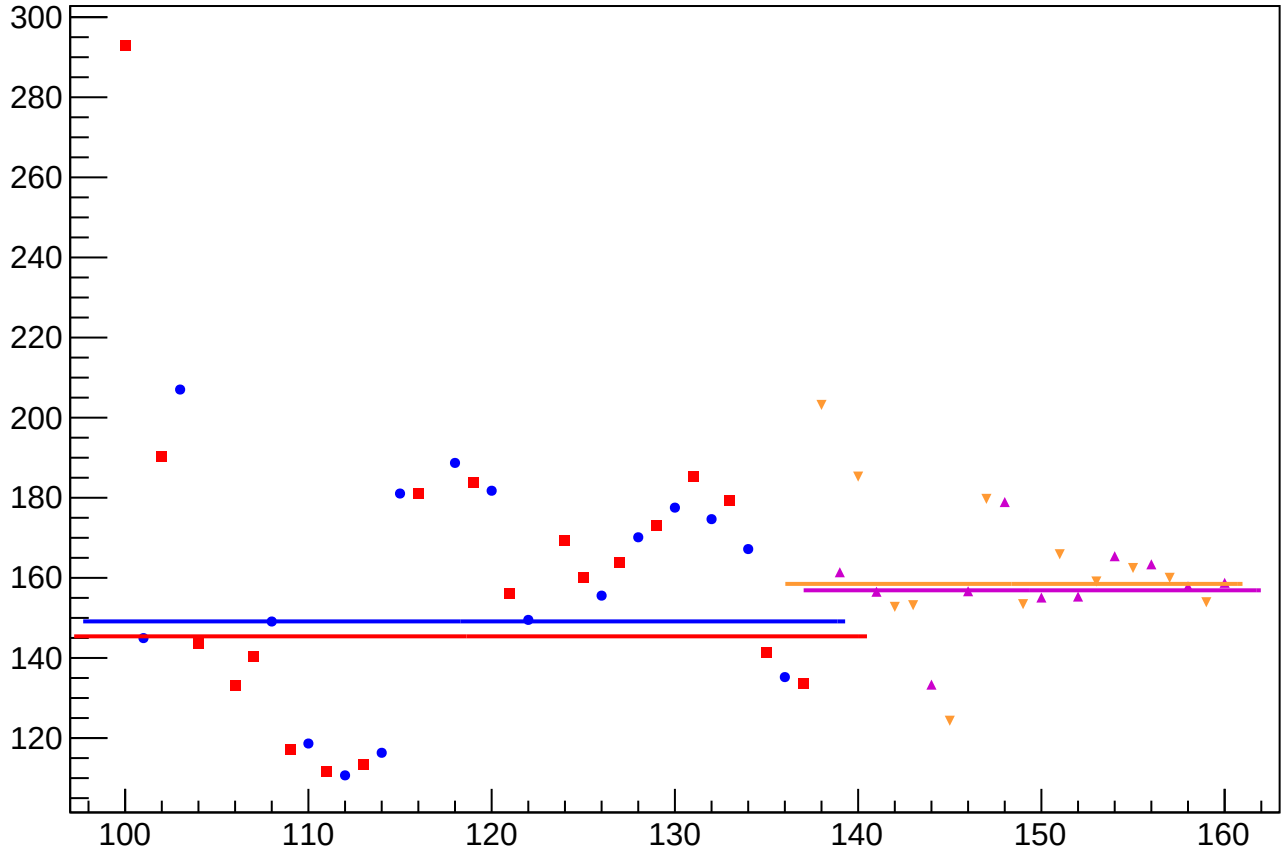
Left: 20.405+/-36.462 χ^2/NDF: 18.5/22

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

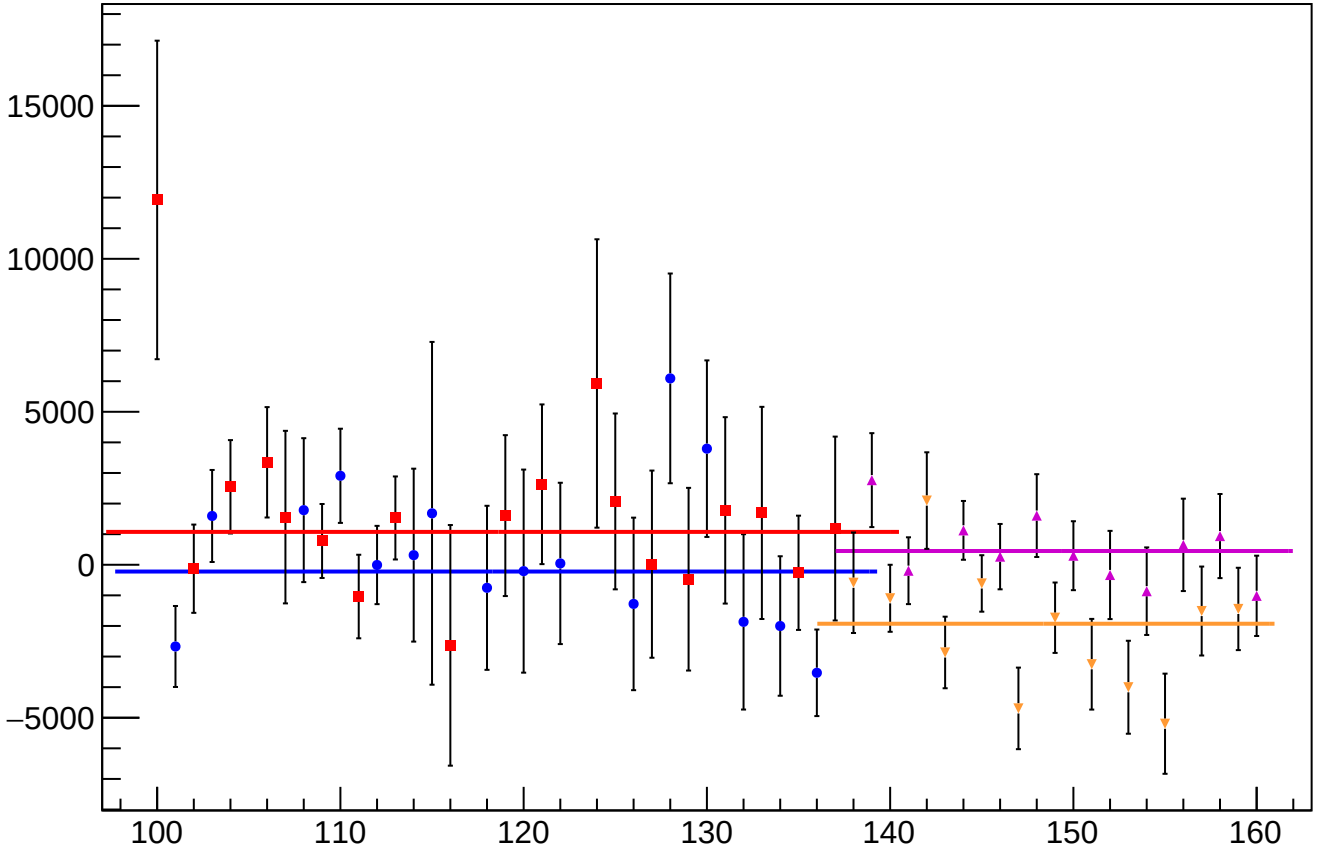
In: -2.746+/-38.011 χ^2/NDF:22.6/26

Out: 22.081+/-37.677 χ^2/NDF:28.4/30

All: 9.777+/-26.759 χ^2/NDF: 51.3/57


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 158.494+/-0.037 χ²/NDF:261465.3/11
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 156.892+/-0.036 χ²/NDF:88719.8/10
Left: 157.682+/-0.026 χ²/NDF: 351150.5/22
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 153.408+/-0.027 χ²/NDF:560355.1/26
Out: 152.291+/-0.027 χ²/NDF:847519.3/30
All: 152.845+/-0.019 χ²/NDF: 1408745.5/57

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 449.803+/-375.981 χ^2/NDF:6.4/10

Left: -742.422+/-265.455 χ^2/NDF: 48.1/22

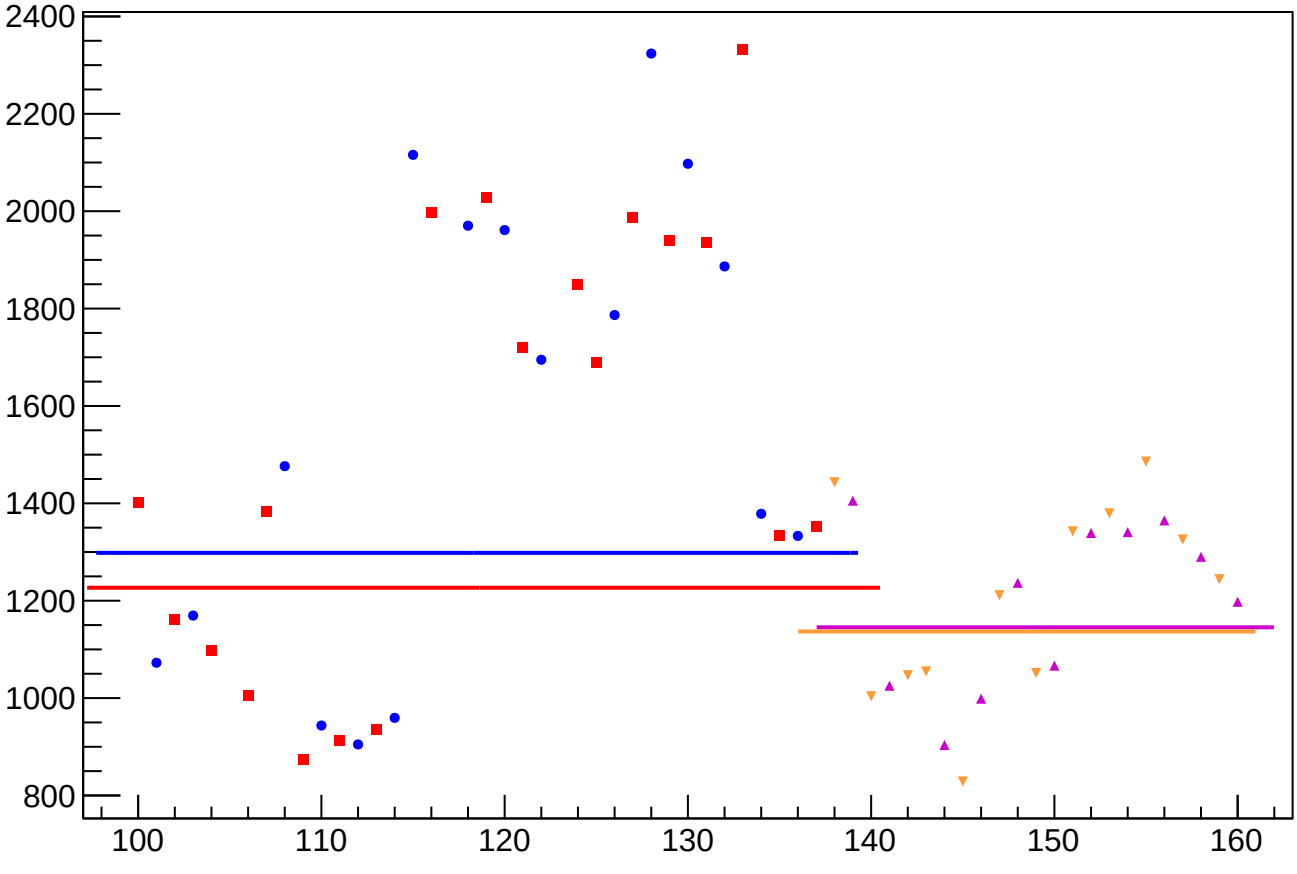
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 211.223+/-301.832 χ^2/NDF:29.4/26

Out: -768.890+/-293.733 χ^2/NDF:60.0/30

All: -292.159+/-210.505 χ^2/NDF: 94.8/57

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: 1145.363+/-0.266 χ^2/NDF:405688.6/10

Left: 1141.062+/-0.188 χ^2/NDF: 988848.6/22

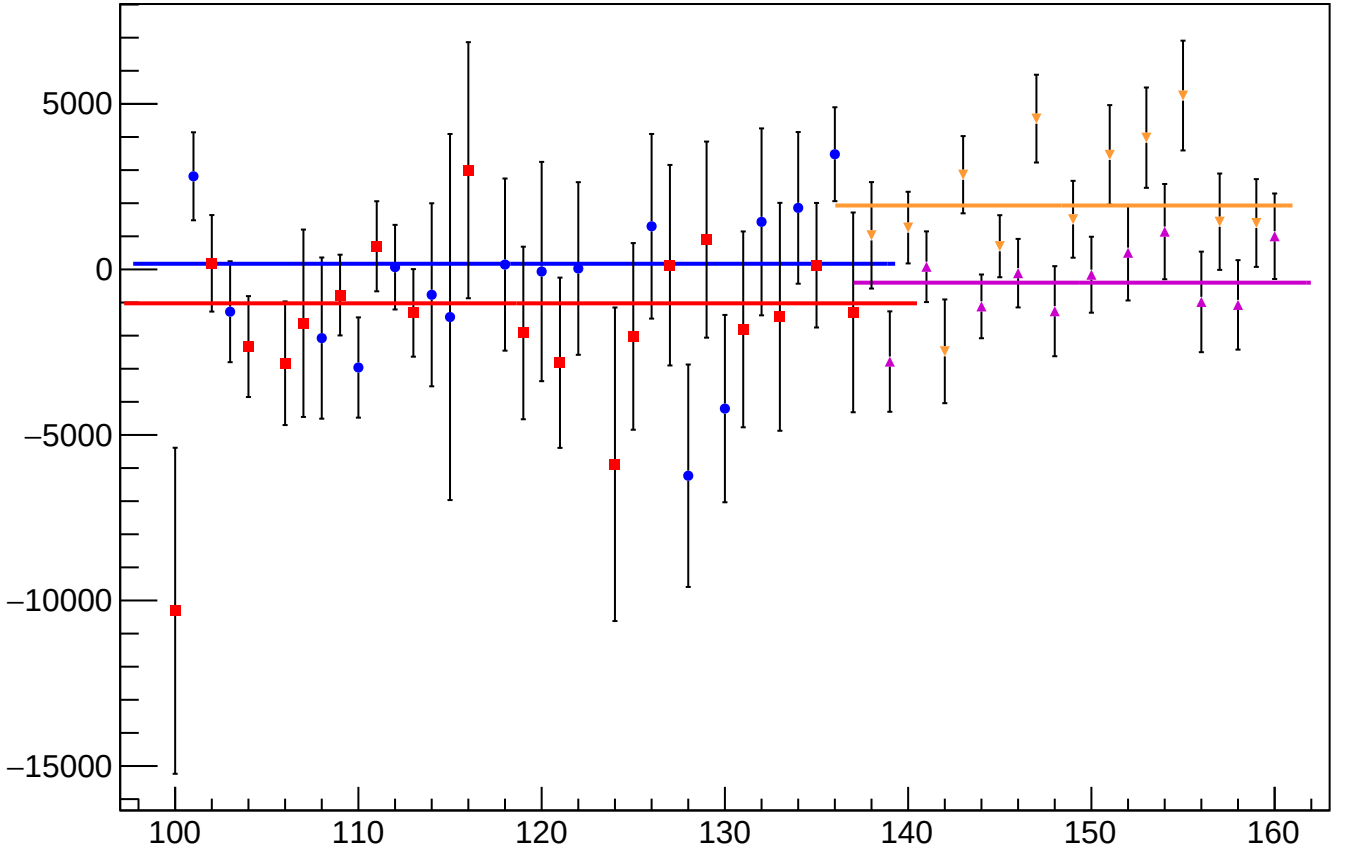
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1199.735+/-0.213 χ^2/NDF:1705456.9/26

Out: 1171.498+/-0.208 χ^2/NDF:2031602.0/30

All: 1185.233+/-0.149 χ^2/NDF: 3746048.6/57

asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -400.173+/-373.465 χ^2/NDF:6.9/10

Left: 760.901+/-264.576 χ^2/NDF: 48.4/22

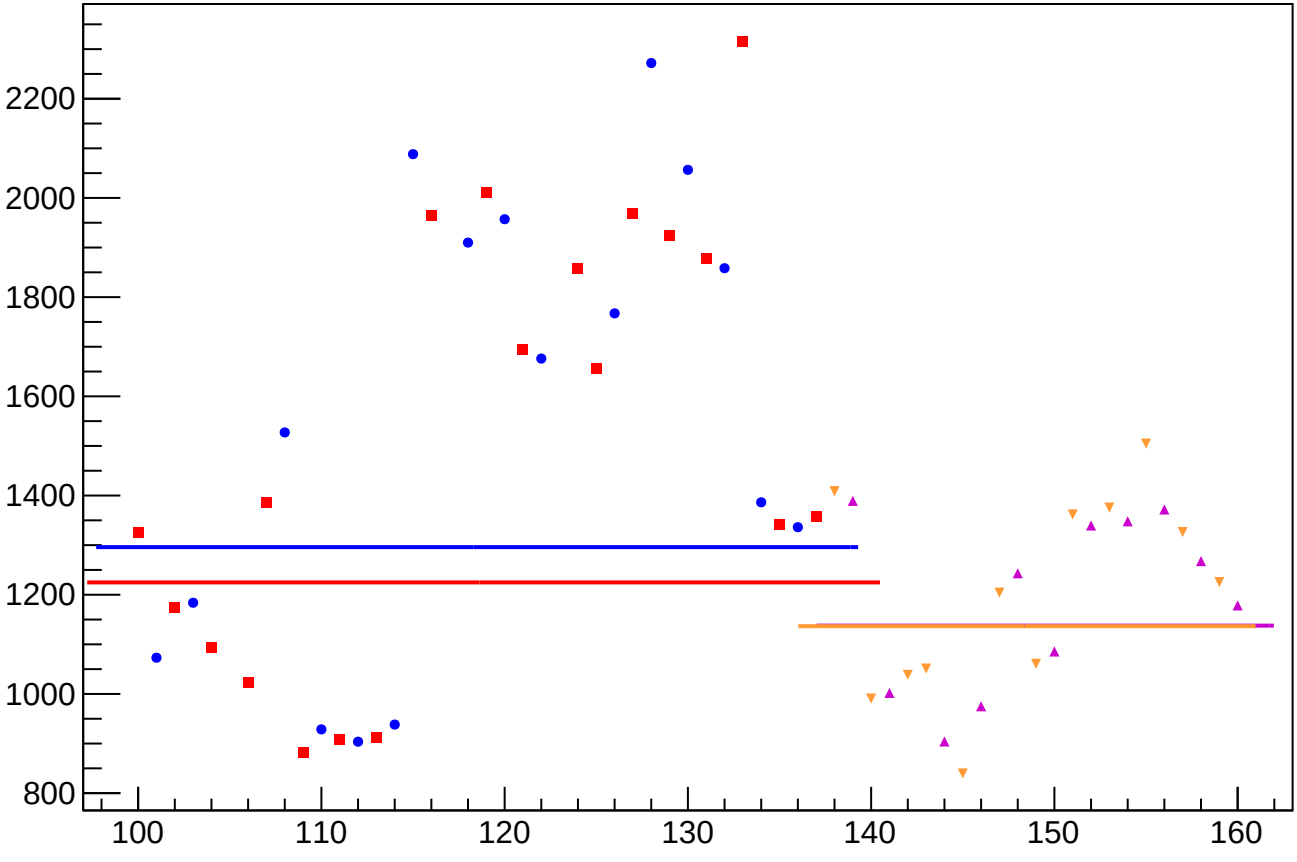
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -198.285+/-300.302 χ^2/NDF:30.3/26

Out: 787.990+/-293.554 χ^2/NDF:57.7/30

All: 306.059+/-209.919 χ^2/NDF: 93.5/57

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: 1137.726+/-0.264 χ^2/NDF:420523.9/10

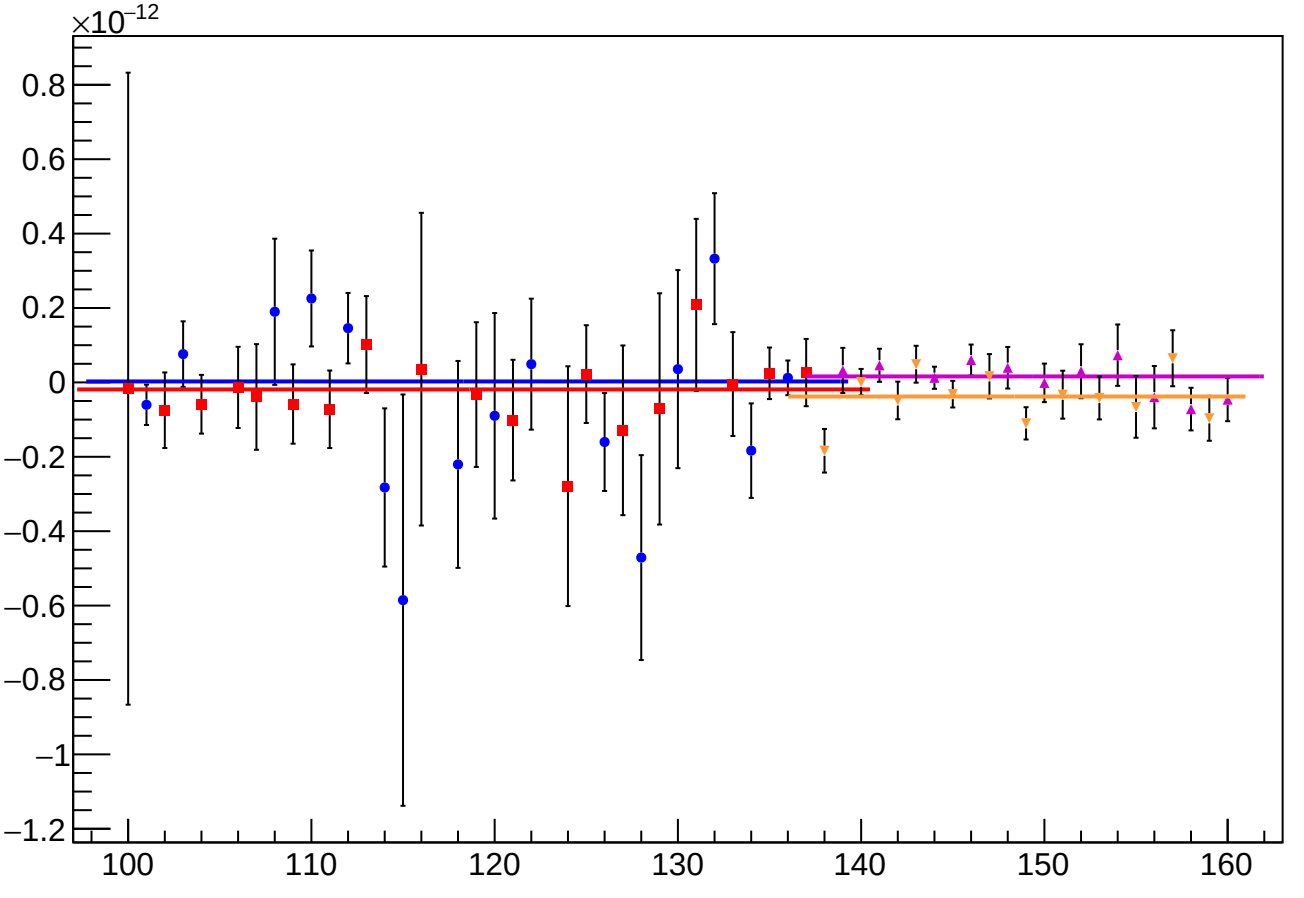
Left: 1137.178+/-0.187 χ^2/NDF: 983563.0/22

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1193.660+/-0.212 χ^2/NDF:1701643.5/26

Out: 1170.758+/-0.208 χ^2/NDF:1977183.9/30

All: 1181.949+/-0.148 χ^2/NDF: 3684775.6/57



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:6.4/10

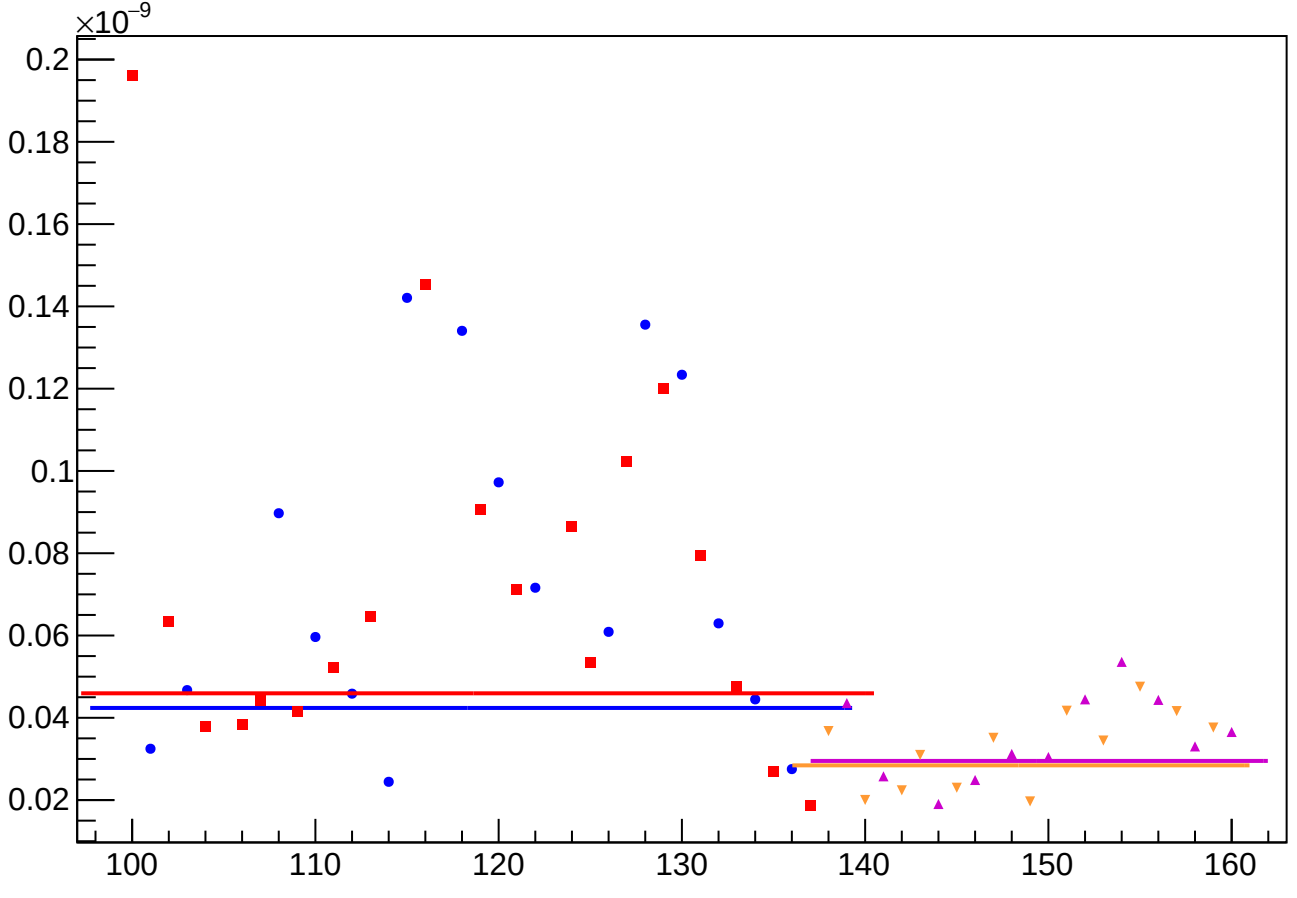
Left: -0.000+/-0.000 χ^2/NDF: 29.9/22

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:28.8/26

Out: -0.000+/-0.000 χ^2/NDF:22.2/30

All: -0.000+/-0.000 χ^2/NDF: 57.2/57



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:751739.9/10

Left: 0.000+/-0.000 χ^2/NDF: 1418926.5/22

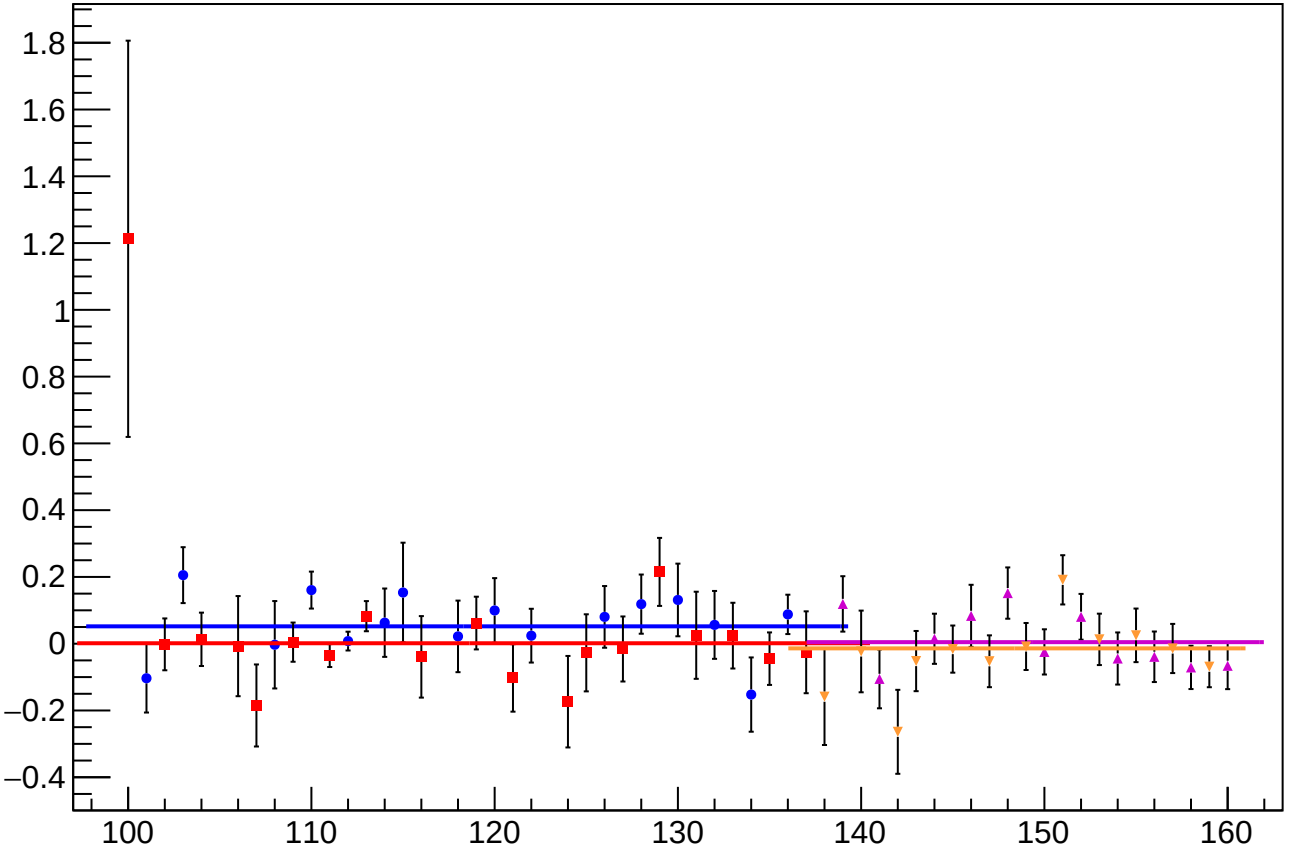
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2440391.9/26

Out: 0.000+/-0.000 χ^2/NDF:2364410.0/30

All: 0.000+/-0.000 χ^2/NDF: 4807133.9/57

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: 0.005+/-0.023 χ^2/NDF:12.4/10

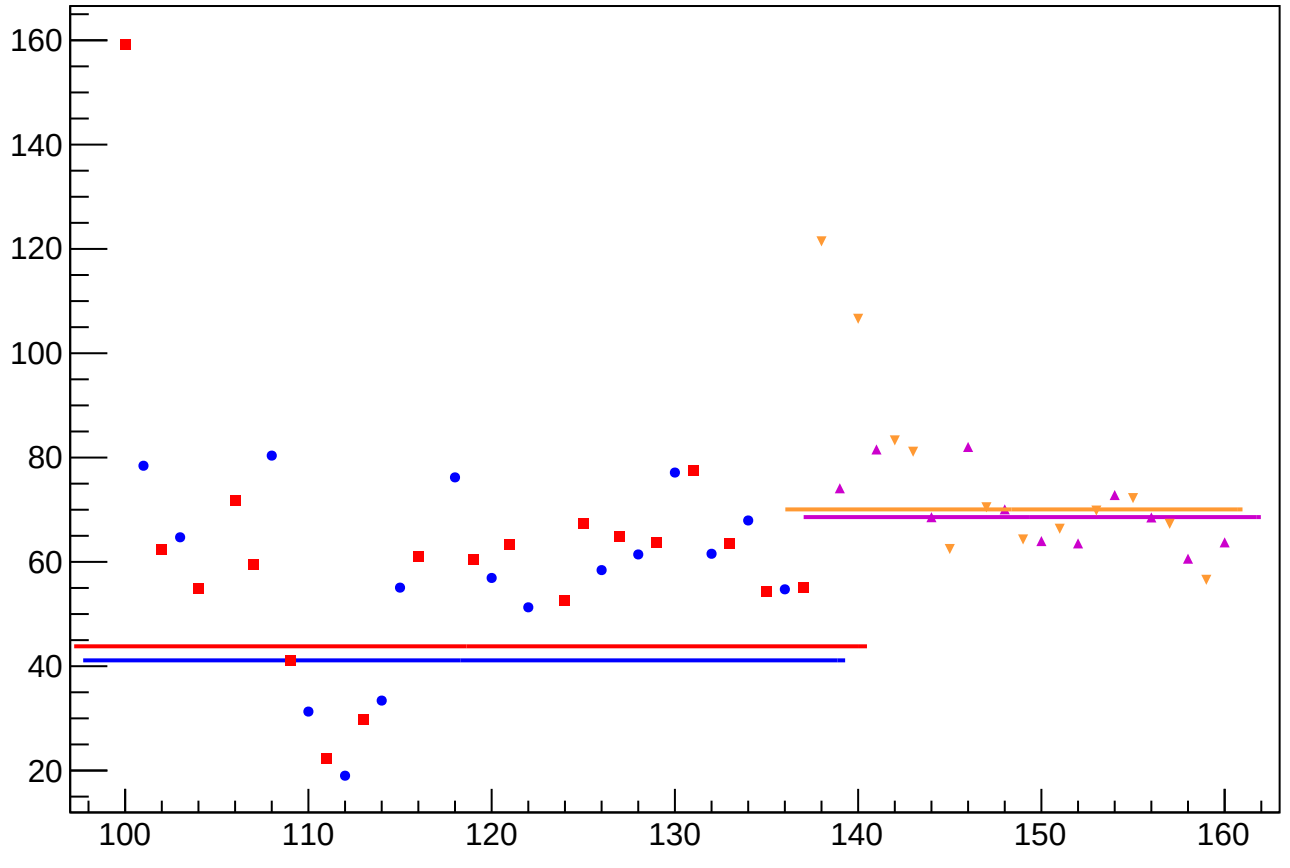
Left: -0.004+/-0.016 χ^2/NDF: 27.0/22

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.015+/-0.010 χ^2/NDF: 70.5/57



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: 68.588+/-0.016 χ^2/NDF:160369.6/10

Left: 69.301+/-0.012 χ^2/NDF: 790008.9/22

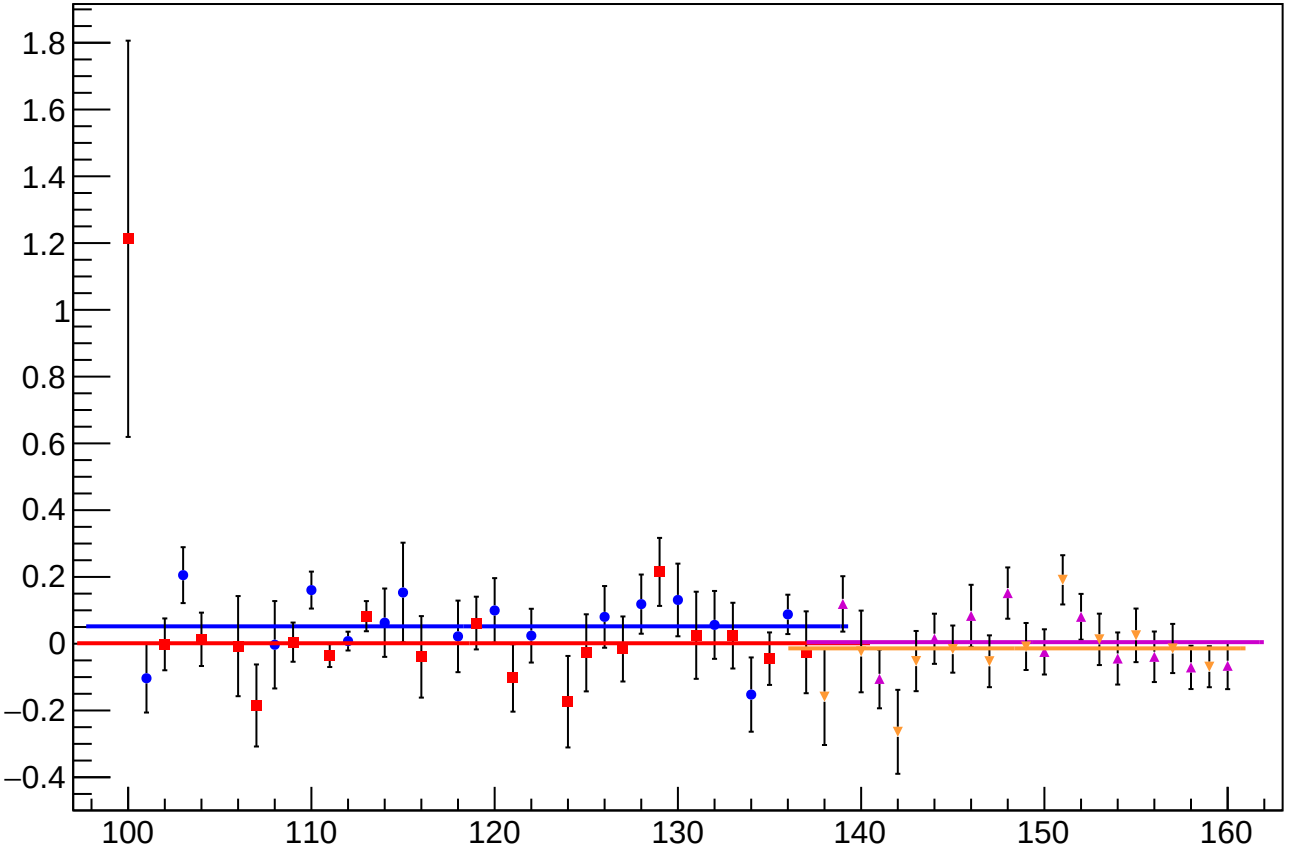
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.581+/-0.010 χ^2/NDF:4905223.1/26

Out: 53.523+/-0.010 χ^2/NDF:4259870.9/30

All: 52.535+/-0.007 χ^2/NDF: 9184029.2/57

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: 0.005+/-0.023 χ^2/NDF:12.4/10

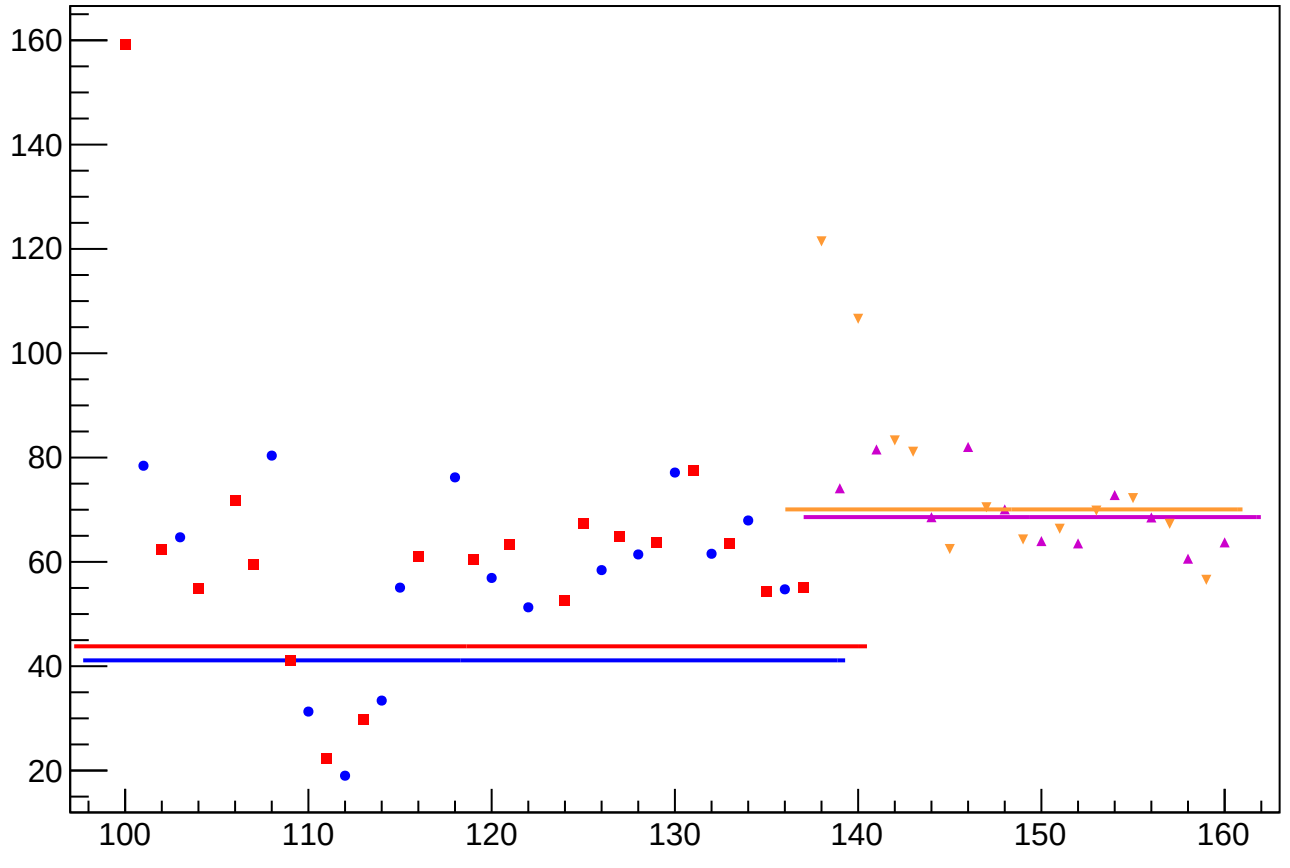
Left: -0.004+/-0.016 χ^2/NDF: 27.0/22

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.015+/-0.010 χ^2/NDF: 70.5/57



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: 68.588+/-0.016 χ^2/NDF:160369.6/10

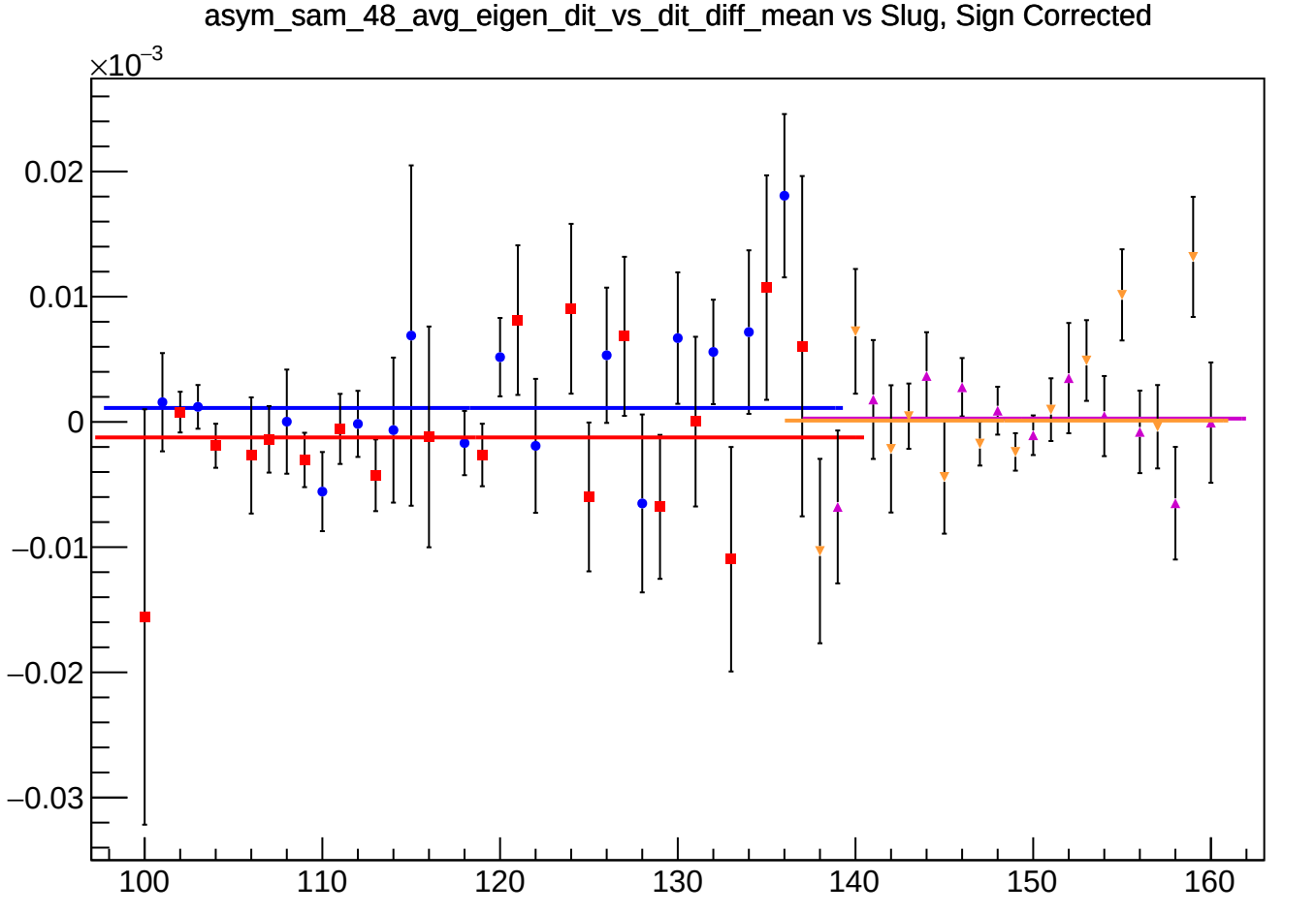
Left: 69.301+/-0.012 χ^2/NDF: 790008.9/22

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.581+/-0.010 χ^2/NDF:4905223.1/26

Out: 53.523+/-0.010 χ^2/NDF:4259870.9/30

All: 52.535+/-0.007 χ^2/NDF: 9184029.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/10

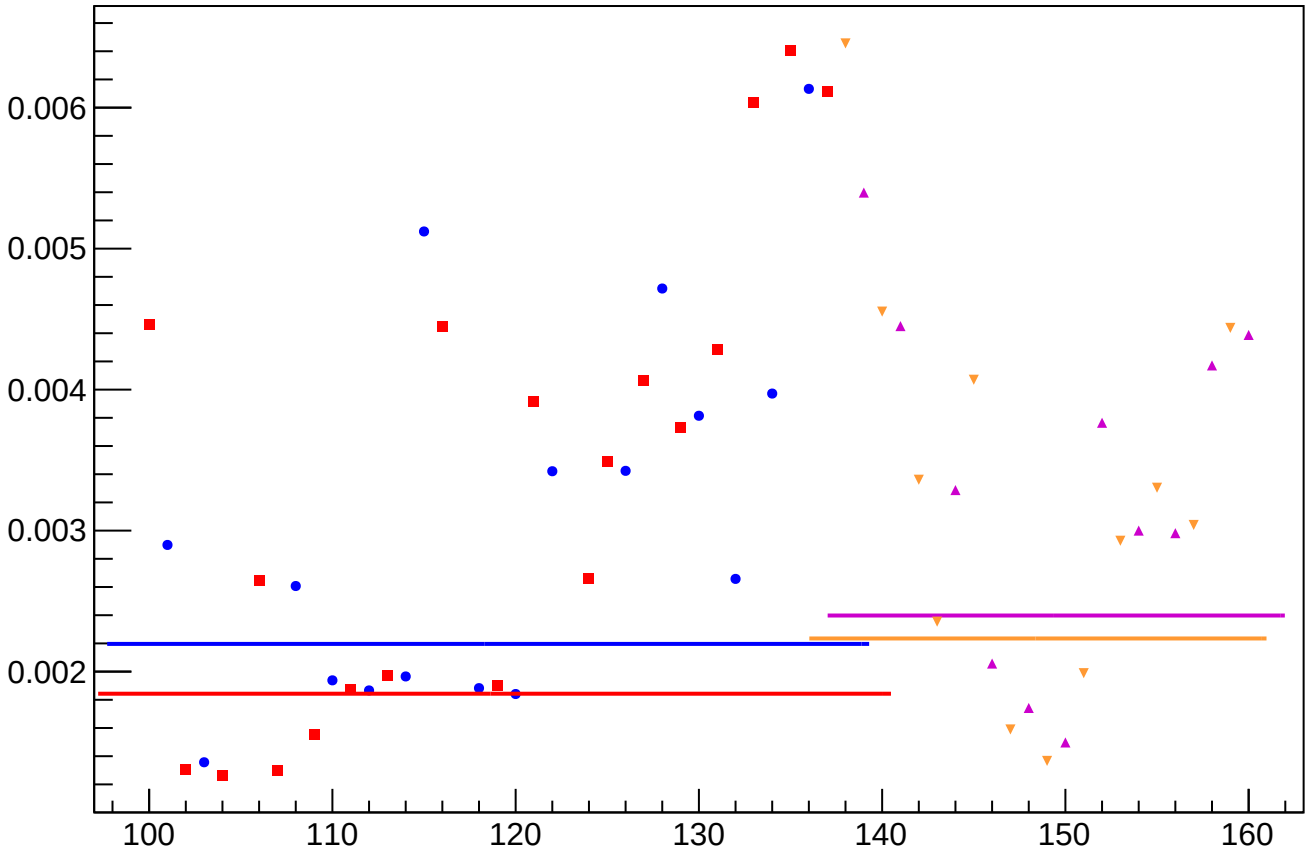
Left: 0.000+/-0.000 χ^2/NDF: 33.8/22

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:27.6/26

Out: -0.000+/-0.000 χ^2/NDF:43.9/30

All: -0.000+/-0.000 χ^2/NDF: 73.9/57



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:2891883.9/10

Left: 0.002+/-0.000 χ^2/NDF: 6218921.7/22

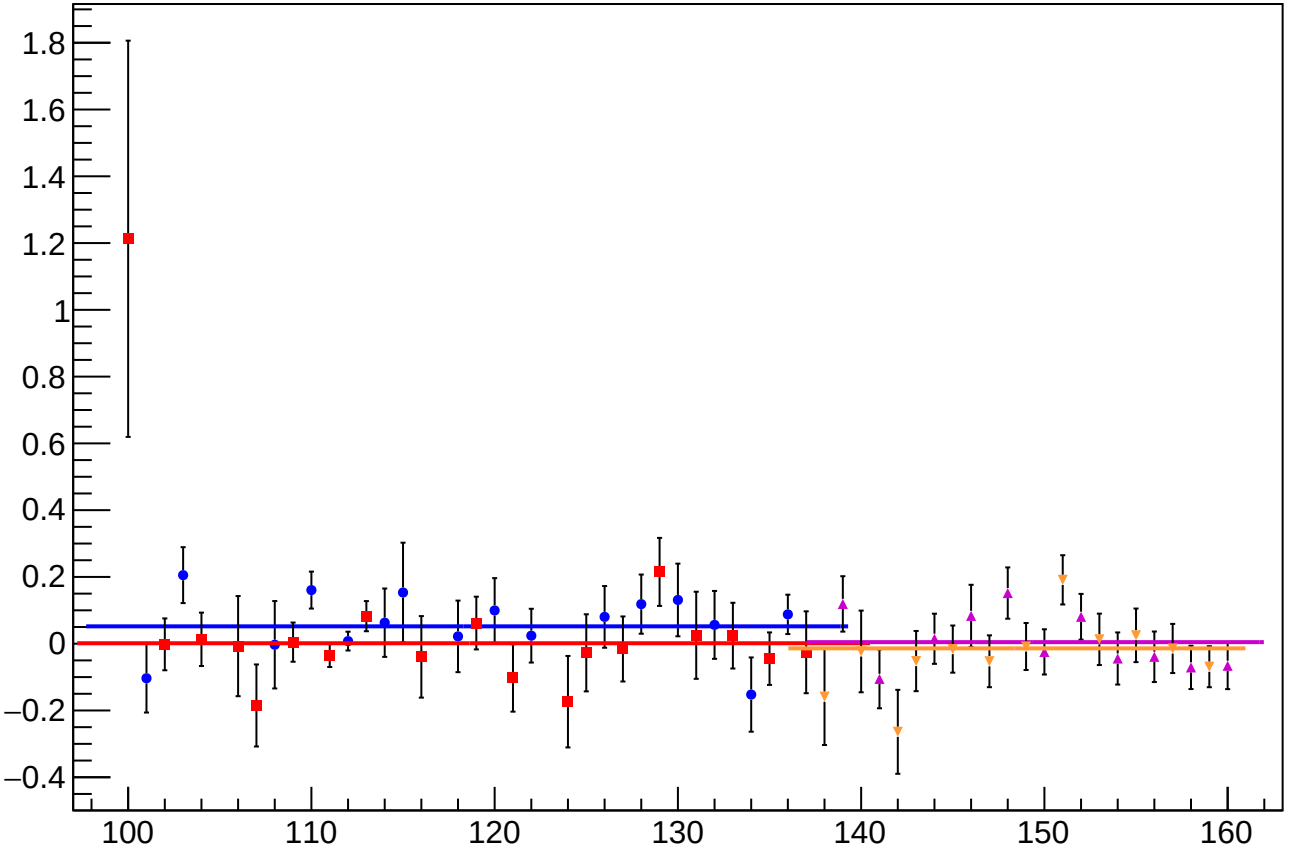
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5236510.3/26

Out: 0.002+/-0.000 χ^2/NDF:6674891.6/30

All: 0.002+/-0.000 χ^2/NDF: 12126496.9/57

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: 0.005+/-0.023 χ^2/NDF:12.4/10

Left: -0.004+/-0.016 χ^2/NDF: 27.0/22

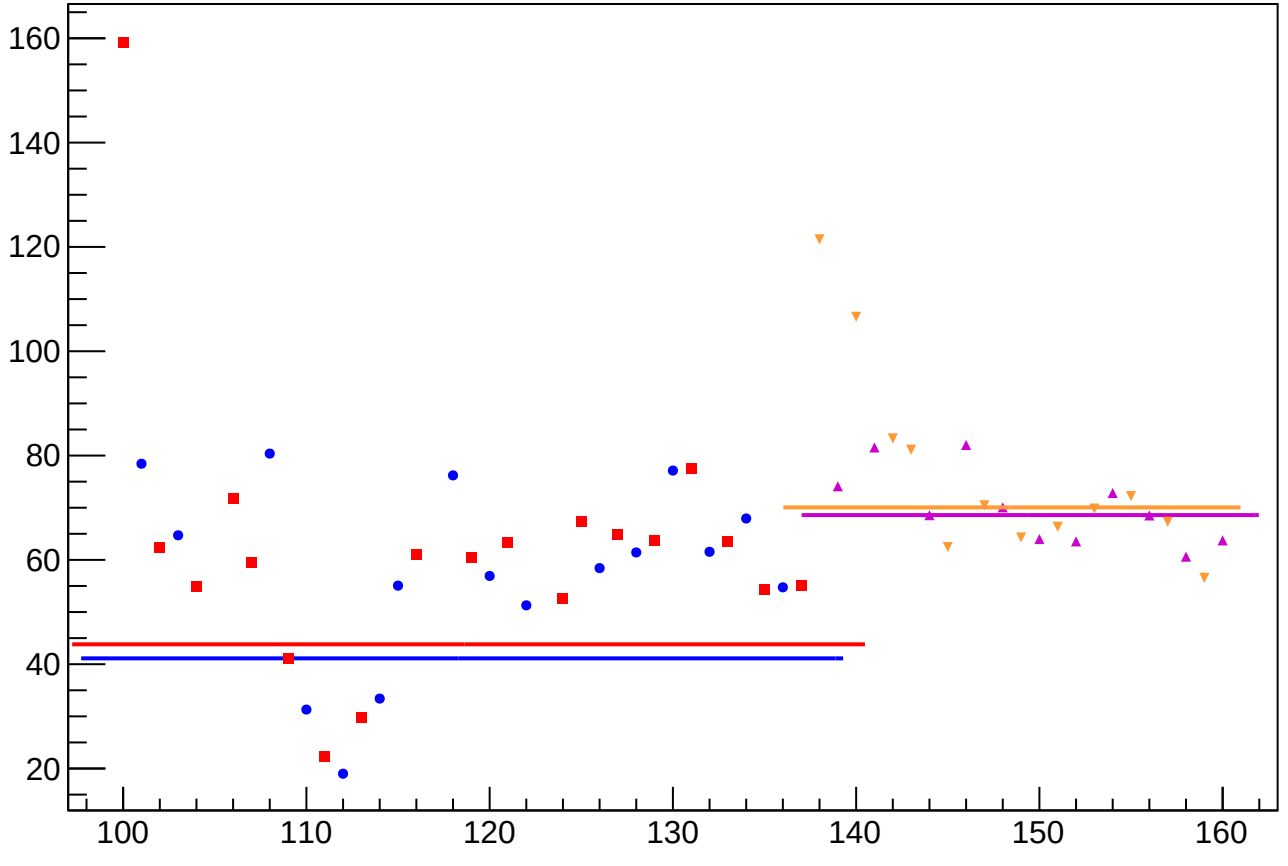
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.015+/-0.010 χ^2/NDF: 70.5/57

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.062+/-0.017 χ^2/NDF:625527.2/11

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

Left: 69.302+/-0.012 χ^2/NDF: 789989.4/22

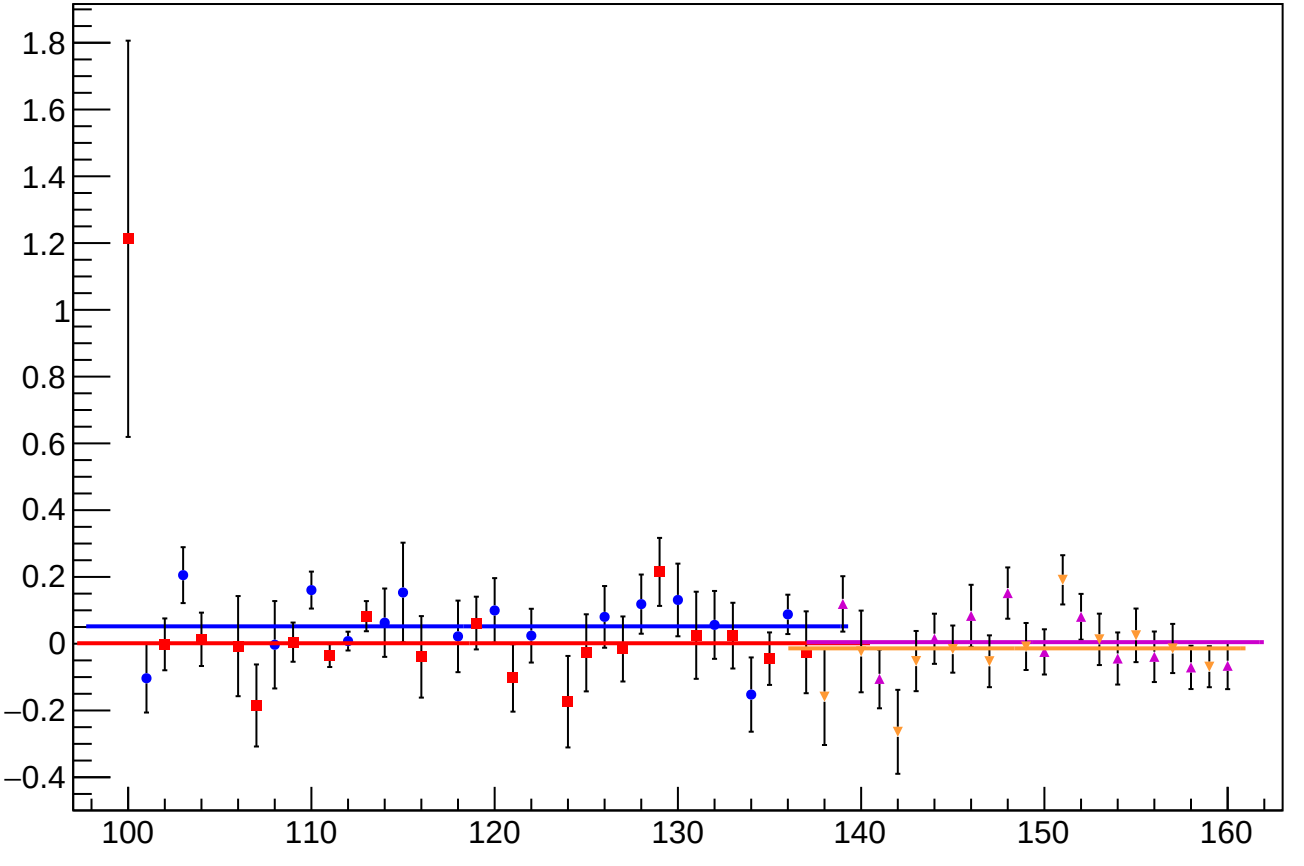
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.581+/-0.010 χ^2/NDF:4905599.2/26

Out: 53.522+/-0.010 χ^2/NDF:4260228.5/30

All: 52.535+/-0.007 χ^2/NDF: 9184764.5/57

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: 0.005+/-0.023 χ^2/NDF:12.4/10

Left: -0.004+/-0.016 χ^2/NDF: 27.0/22

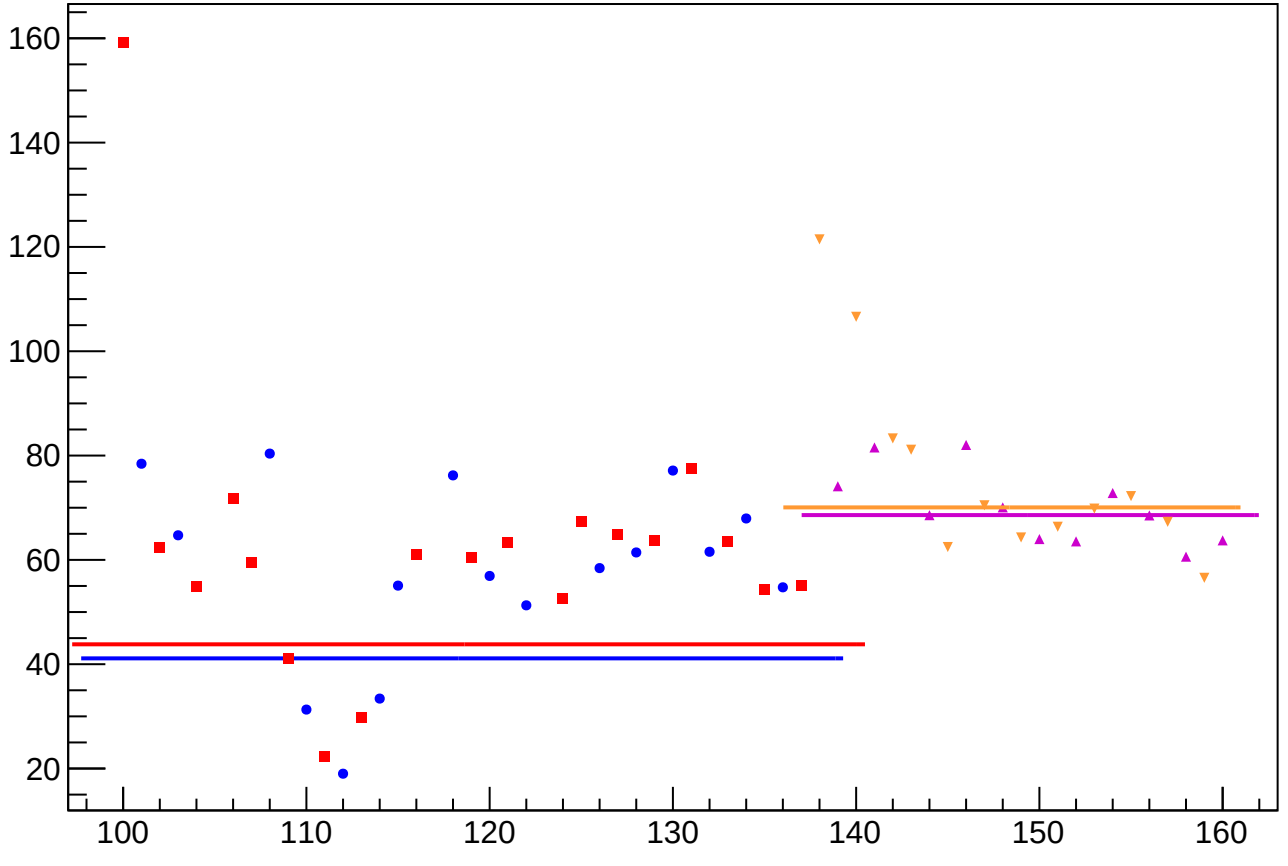
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.004+/-0.014 χ^2/NDF:33.8/30

All: 0.015+/-0.010 χ^2/NDF: 70.5/57

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: 68.589+/-0.016 χ^2/NDF:160370.6/10

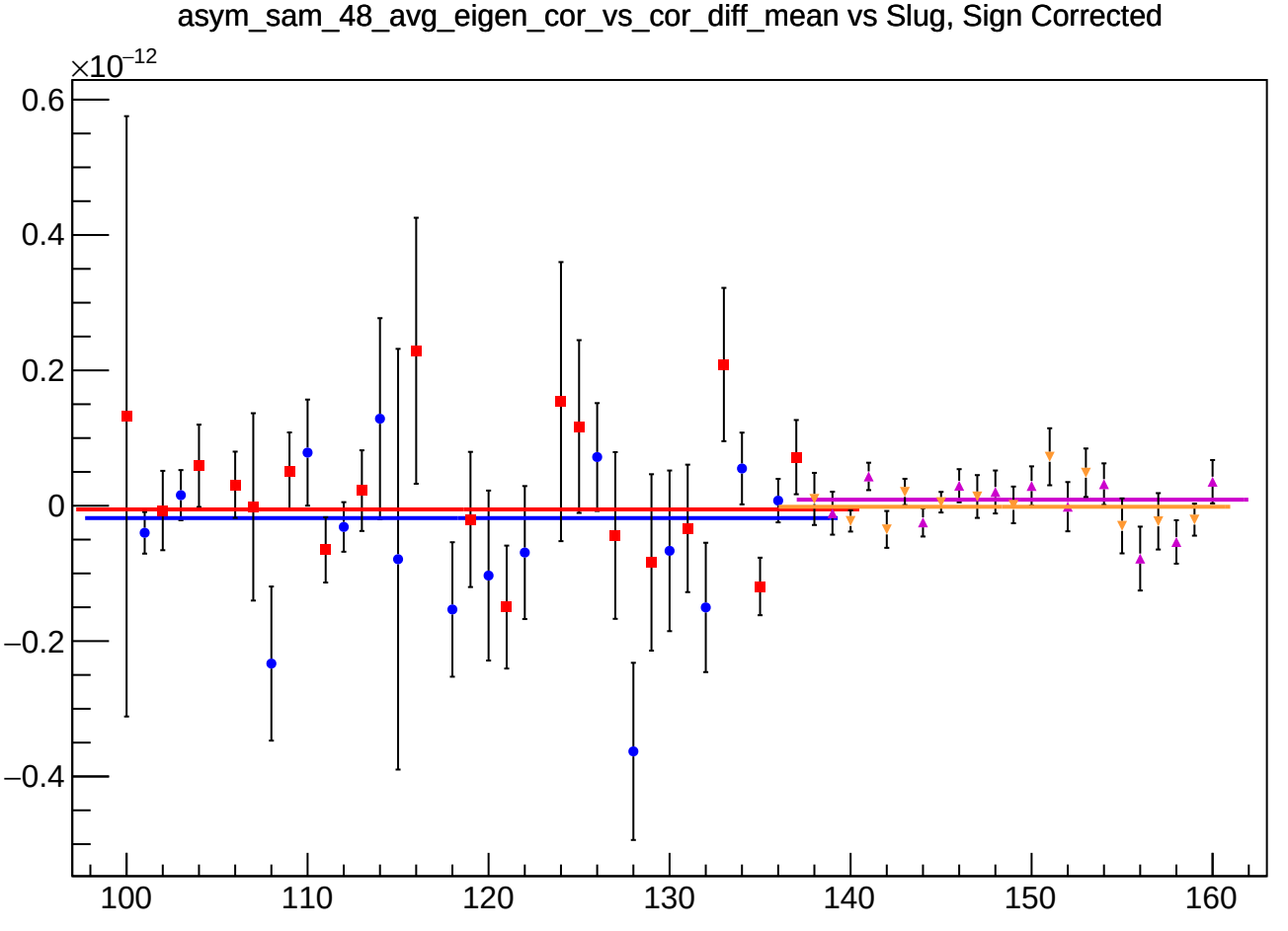
Left: 69.302+/-0.012 χ^2/NDF: 789989.4/22

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.581+/-0.010 χ^2/NDF:4905599.2/26

Out: 53.522+/-0.010 χ^2/NDF:4260228.5/30

All: 52.535+/-0.007 χ^2/NDF: 9184764.5/57



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:15.7/10

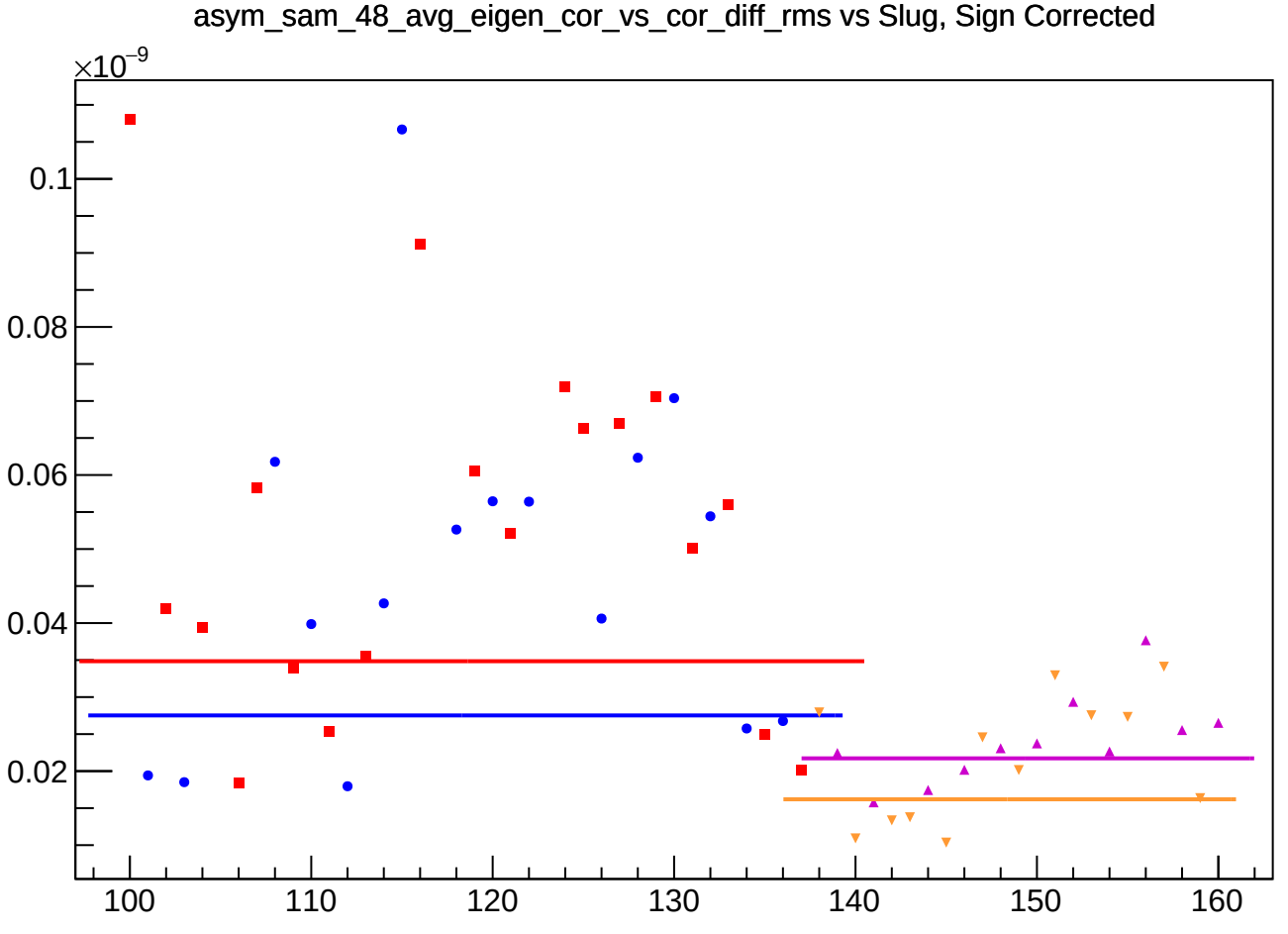
Left: 0.000+/-0.000 χ^2/NDF: 28.1/22

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:41.3/26

Out: -0.000+/-0.000 χ^2/NDF:34.9/30

All: -0.000+/-0.000 χ^2/NDF: 76.4/57



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:669963.1/10

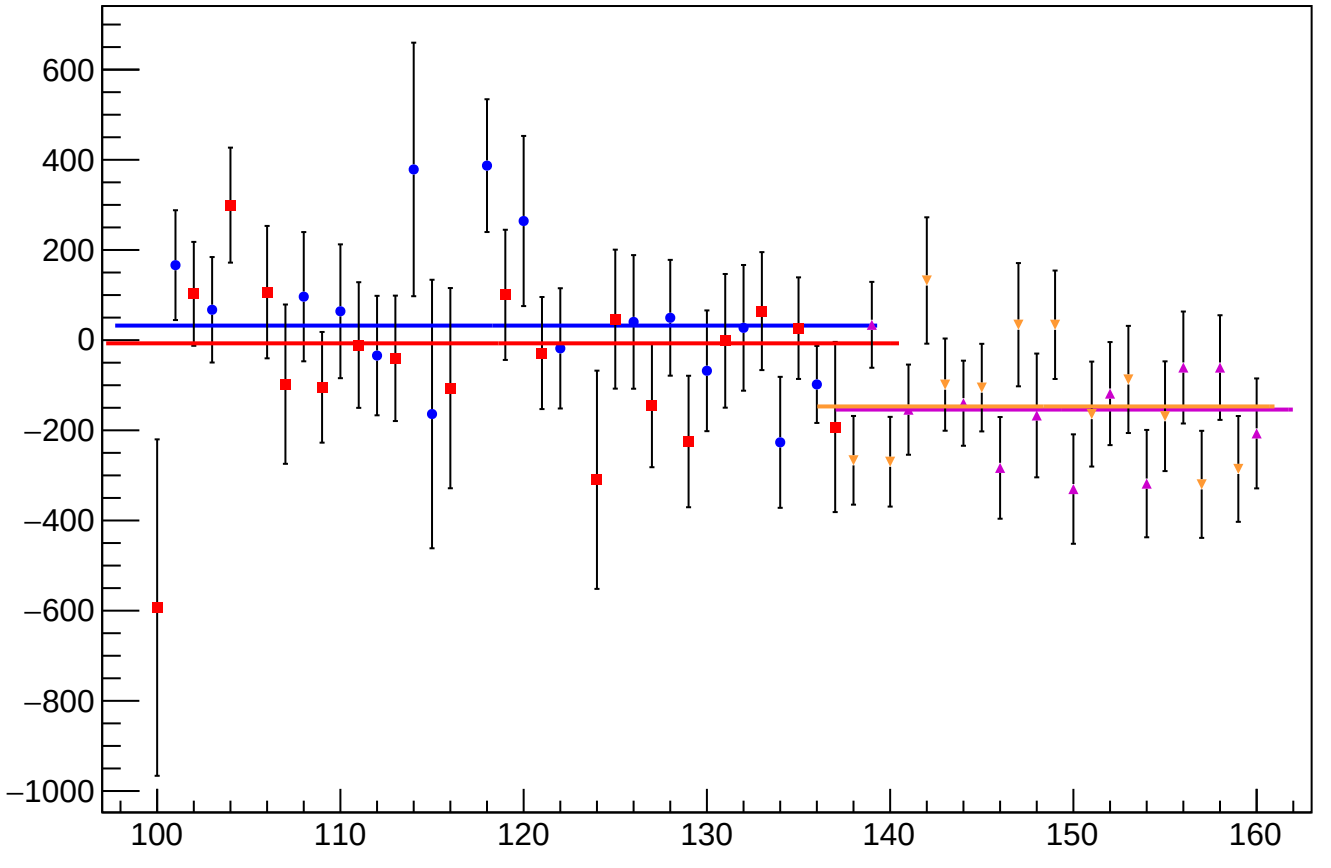
Left: 0.000+/-0.000 χ^2/NDF: 3150643.2/22

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2709534.4/26

Out: 0.000+/-0.000 χ^2/NDF:5774588.8/30

All: 0.000+/-0.000 χ^2/NDF: 8843971.1/57



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: -153.984+/-33.795 χ^2/NDF:10.7/10

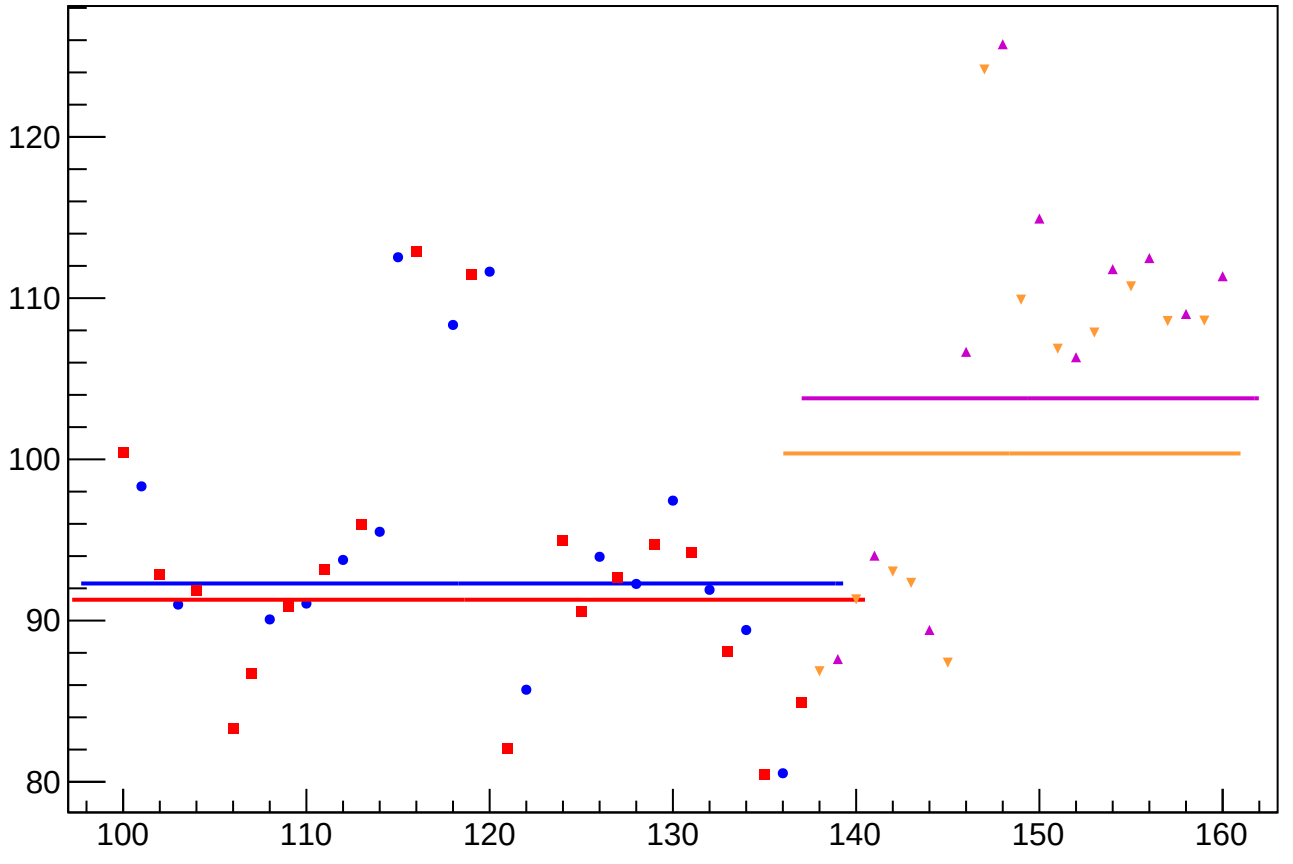
Left: -150.406+/-23.500 χ^2/NDF: 26.0/22

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -62.573+/-24.118 χ^2/NDF:43.0/26

Out: -78.589+/-23.372 χ^2/NDF:42.0/30

All: -70.832+/-16.784 χ^2/NDF: 85.1/57



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: 103.787+/-0.024 χ^2/NDF:224075.8/10

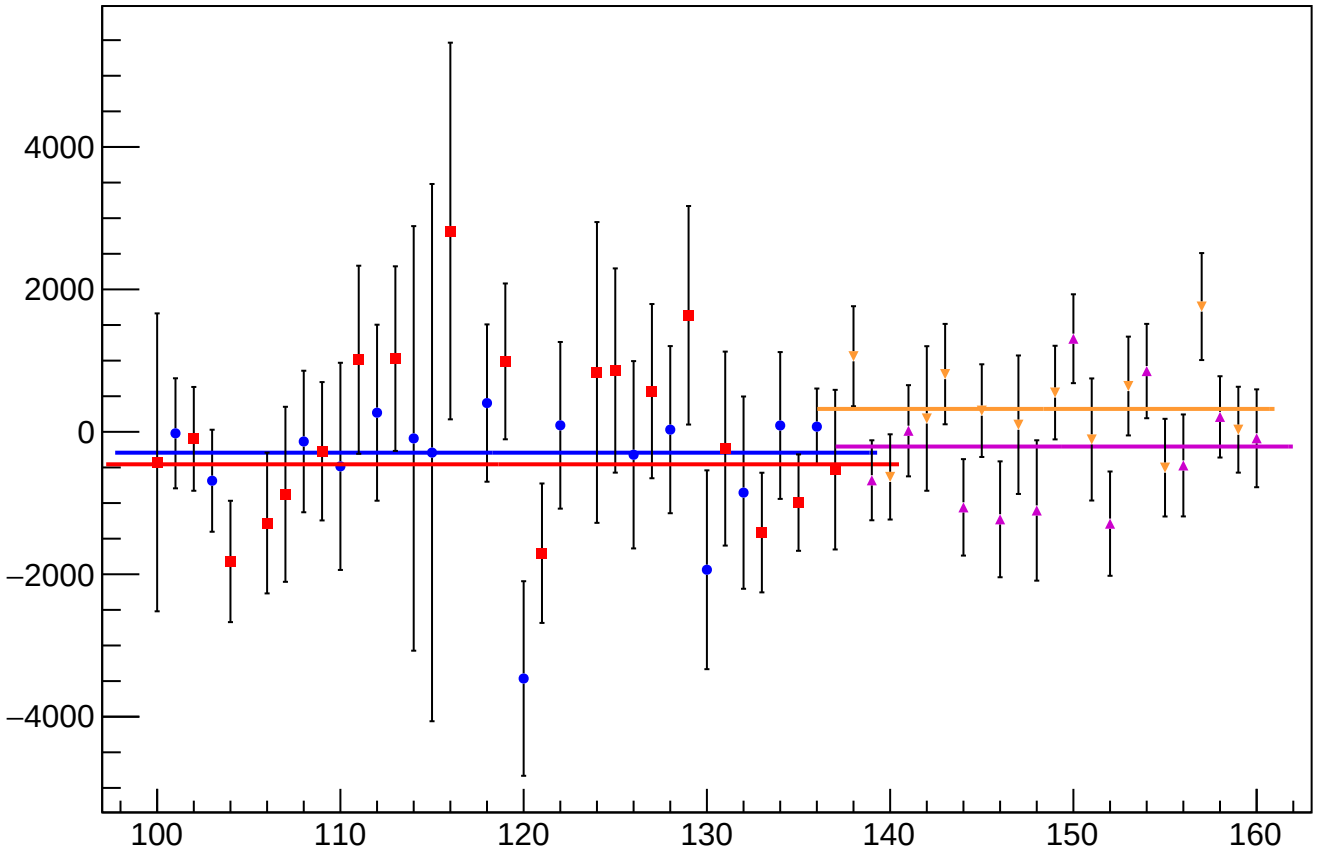
Left: 102.021+/-0.017 χ^2/NDF: 463807.7/22

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 98.151+/-0.017 χ^2/NDF:444484.9/26

Out: 95.929+/-0.017 χ^2/NDF:409558.6/30

All: 97.005+/-0.012 χ^2/NDF: 862800.6/57



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: -206.445+/-203.352 χ^2/NDF:16.2/10

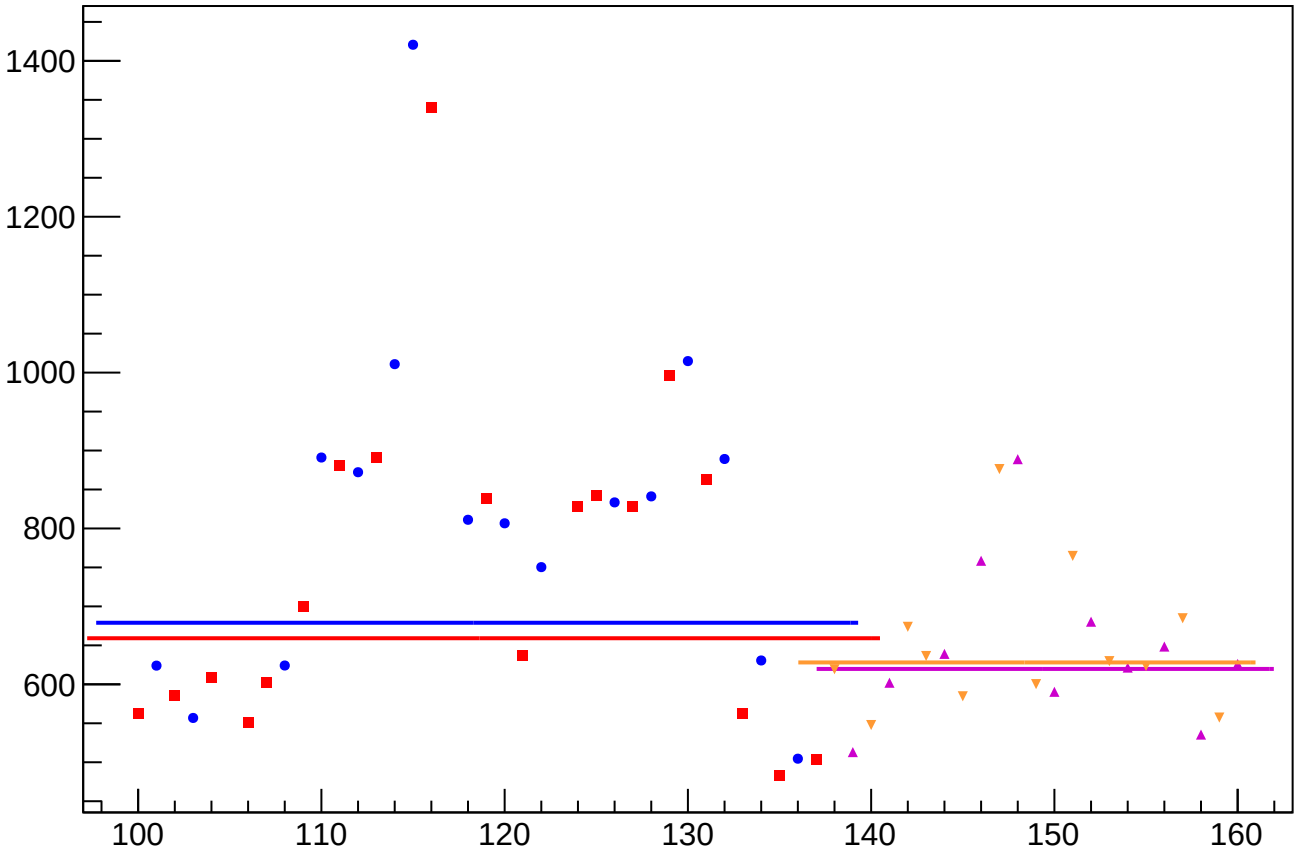
Left: 54.638+/-144.628 χ^2/NDF: 29.6/22

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -239.252+/-160.106 χ^2/NDF:25.0/26

Out: 5.926+/-158.529 χ^2/NDF:32.8/30

All: -115.450+/-112.651 χ^2/NDF: 59.0/57



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: 619.755+/-0.144 χ^2/NDF:347862.9/10

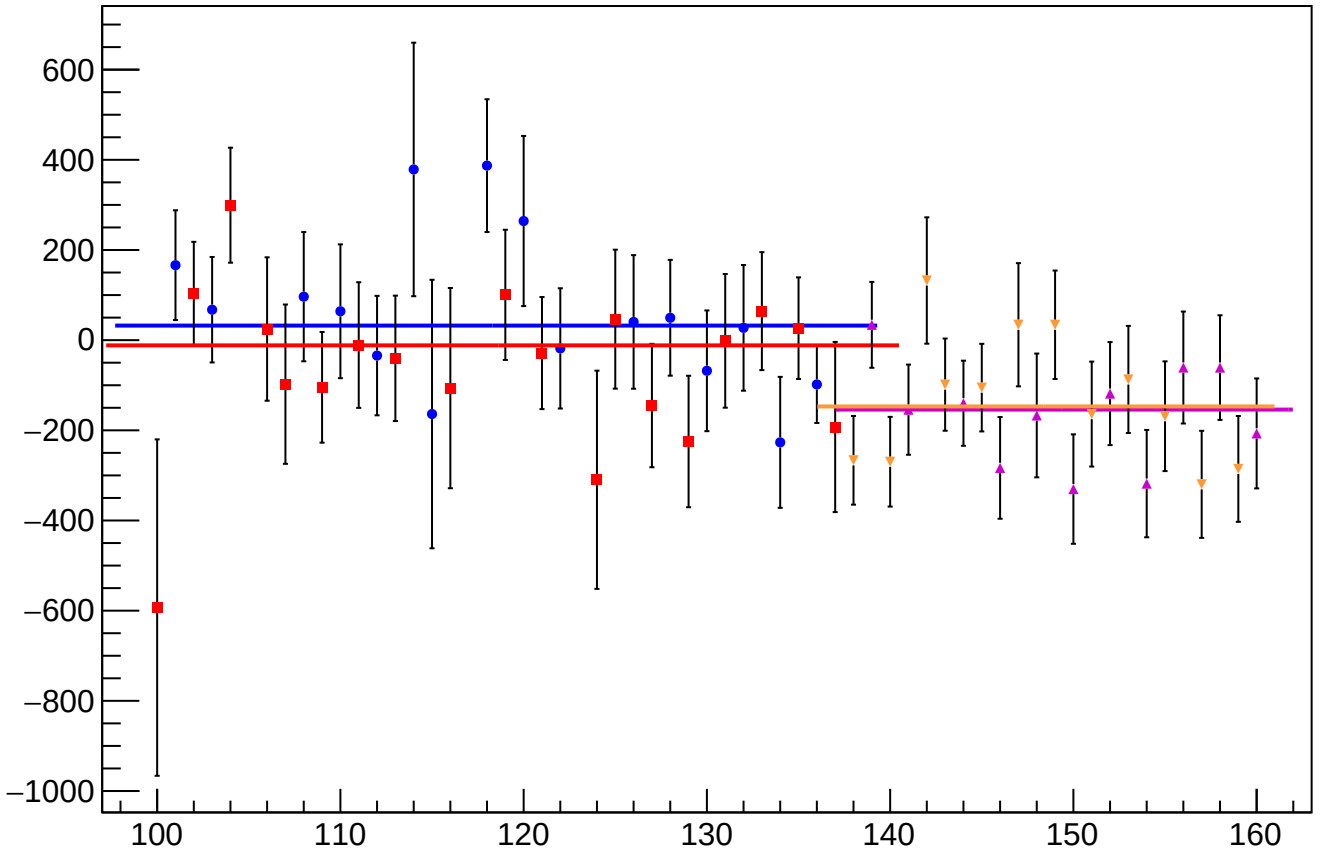
Left: 623.872+/-0.102 χ^2/NDF: 622812.9/22

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 642.275+/-0.113 χ^2/NDF:1180378.7/26

Out: 640.699+/-0.112 χ^2/NDF:1087673.3/30

All: 641.479+/-0.080 χ^2/NDF: 2268149.9/57



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: -153.988+/-33.795 χ^2/NDF:10.7/10

Left: -150.405+/-23.500 χ^2/NDF: 26.0/22

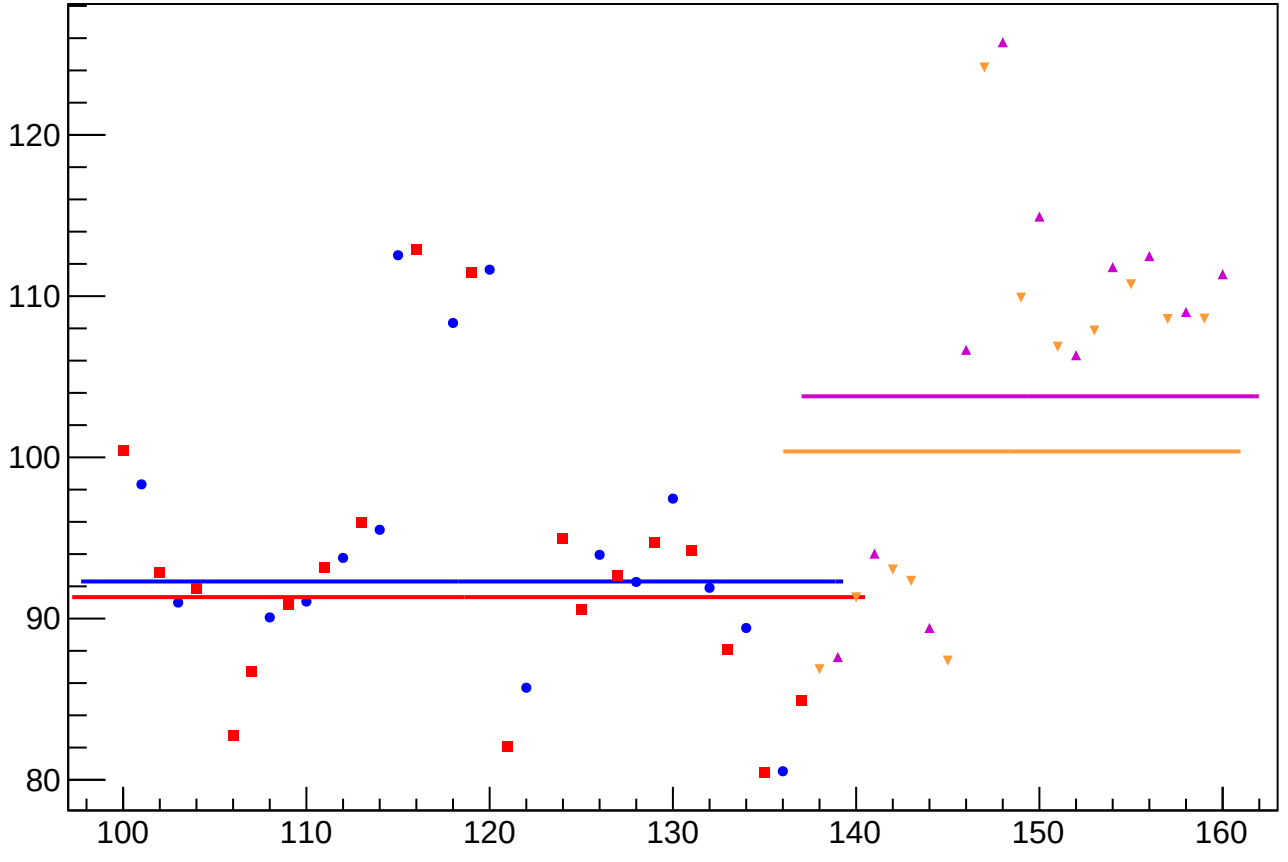
Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -62.567+/-24.118 χ^2/NDF:43.0/26

Out: -81.050+/-23.416 χ^2/NDF:40.8/30

All: -72.081+/-16.800 χ^2/NDF: 84.0/57

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



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: 103.787+/-0.024 χ^2/NDF:224075.8/10

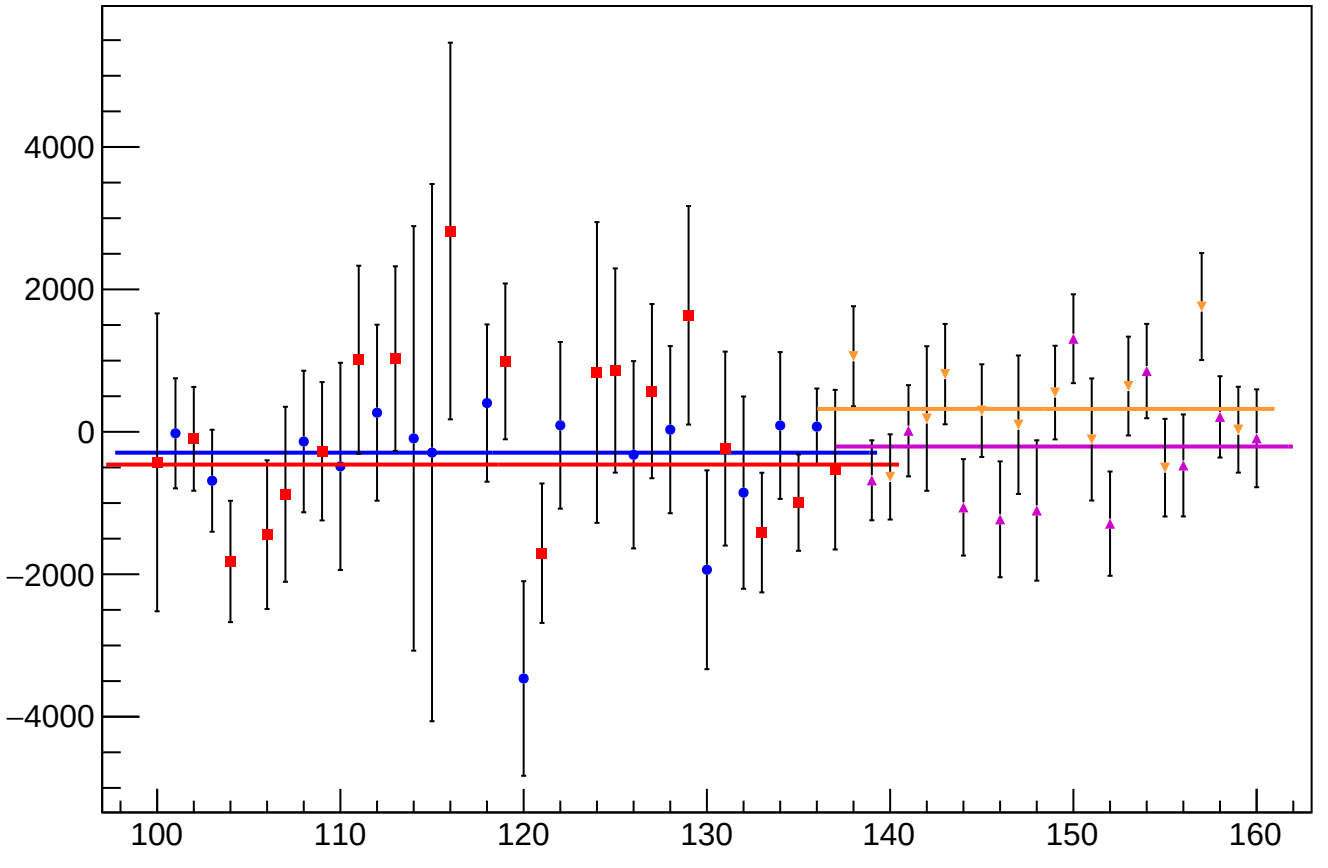
Left: 102.021+/-0.017 χ^2/NDF: 463807.7/22

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 98.151+/-0.017 χ^2/NDF:444484.8/26

Out: 95.965+/-0.017 χ^2/NDF:408452.3/30

All: 97.026+/-0.012 χ^2/NDF: 861396.7/57



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: -206.447+/-203.352 χ^2/NDF:16.2/10

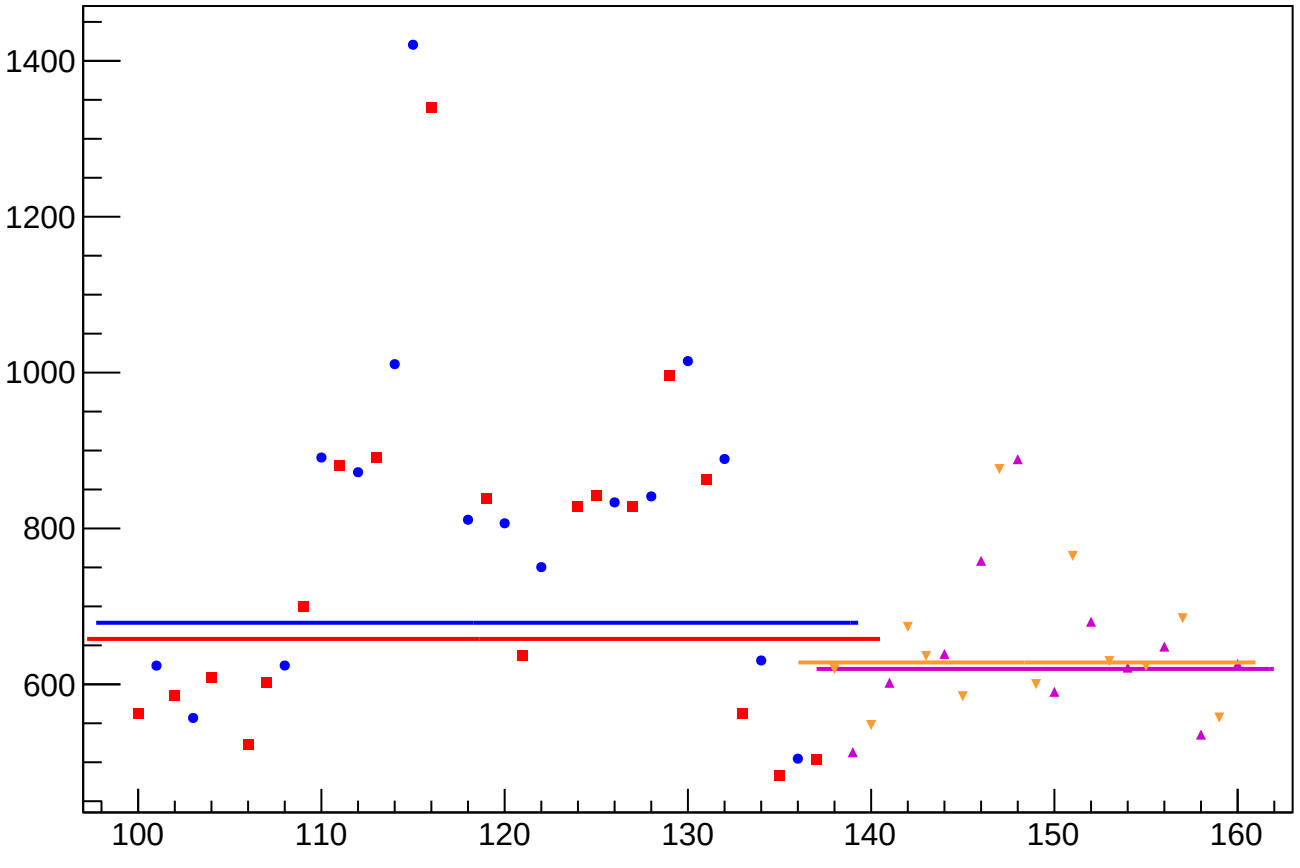
Left: 54.638+/-144.628 χ^2/NDF: 29.6/22

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -239.252+/-160.106 χ^2/NDF:25.0/26

Out: 5.646+/-158.743 χ^2/NDF:33.0/30

All: -115.755+/-112.727 χ^2/NDF: 59.2/57



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: 619.755+/-0.144 χ^2/NDF:347862.0/10

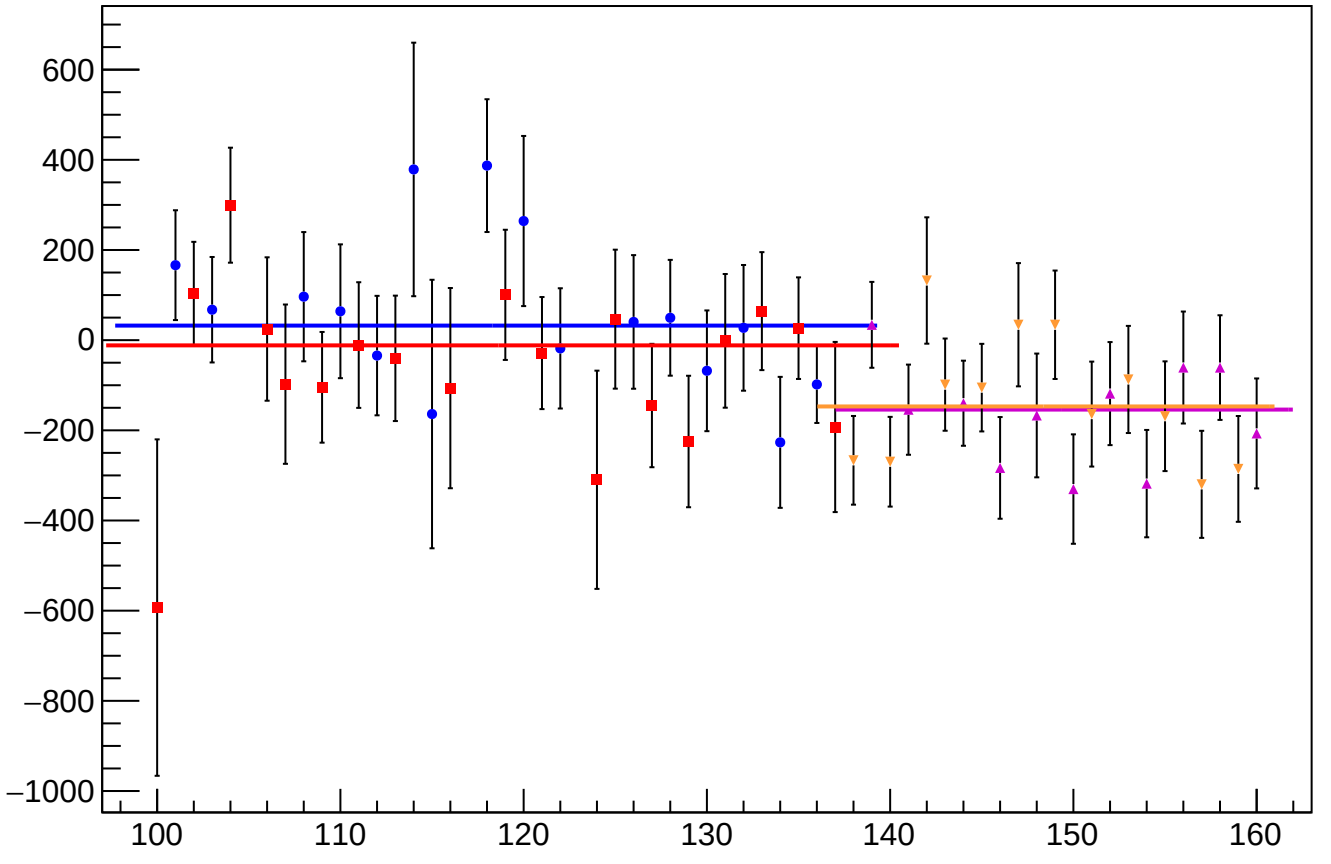
Left: 623.872+/-0.102 χ^2/NDF: 622813.0/22

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 642.275+/-0.113 χ^2/NDF:1180378.5/26

Out: 640.297+/-0.112 χ^2/NDF:1096601.6/30

All: 641.278+/-0.080 χ^2/NDF: 2277134.1/57



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: -153.988+/-33.795 χ^2/NDF:10.7/10

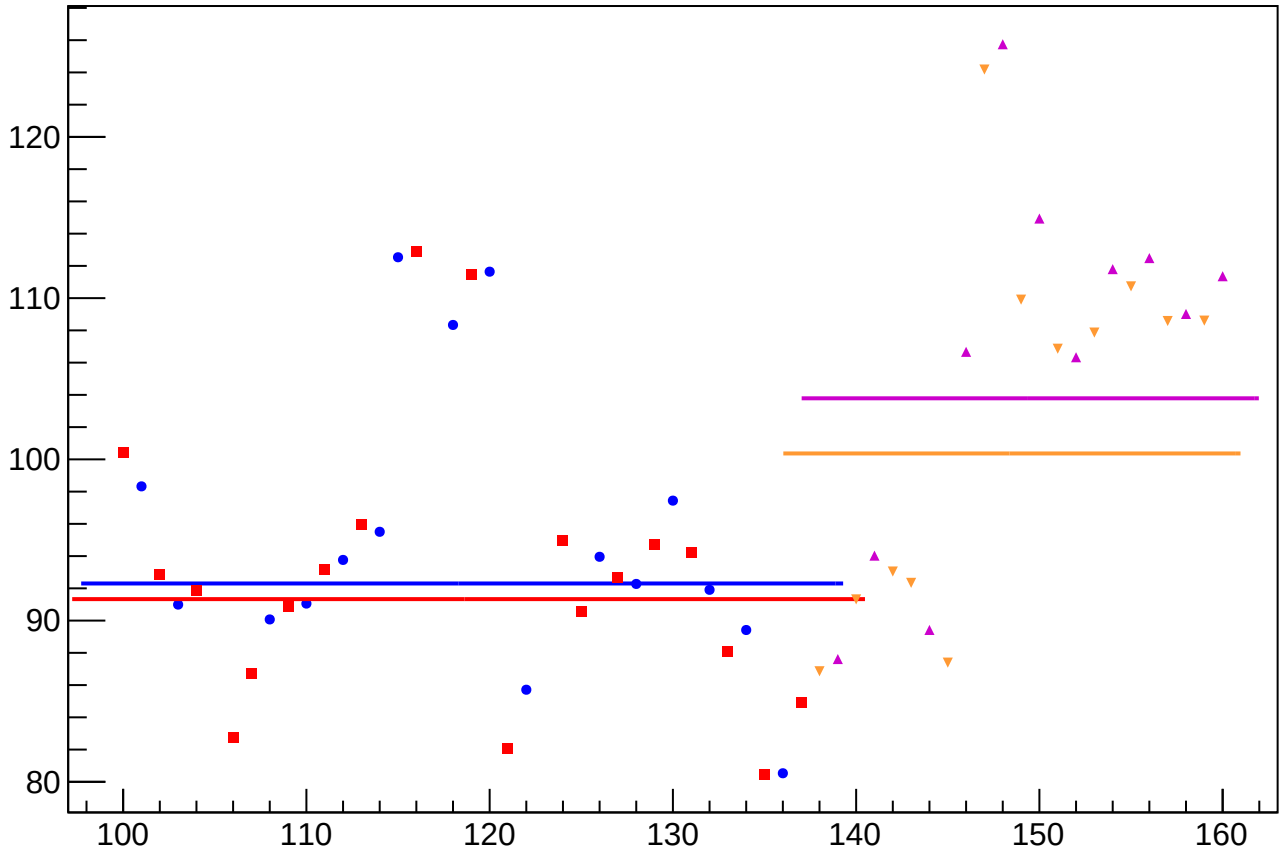
Left: -150.405+/-23.500 χ^2/NDF: 26.0/22

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -62.567+/-24.118 χ^2/NDF:43.0/26

Out: -81.050+/-23.416 χ^2/NDF:40.8/30

All: -72.081+/-16.800 χ^2/NDF: 84.0/57



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: 103.787+/-0.024 χ^2/NDF:224075.8/10

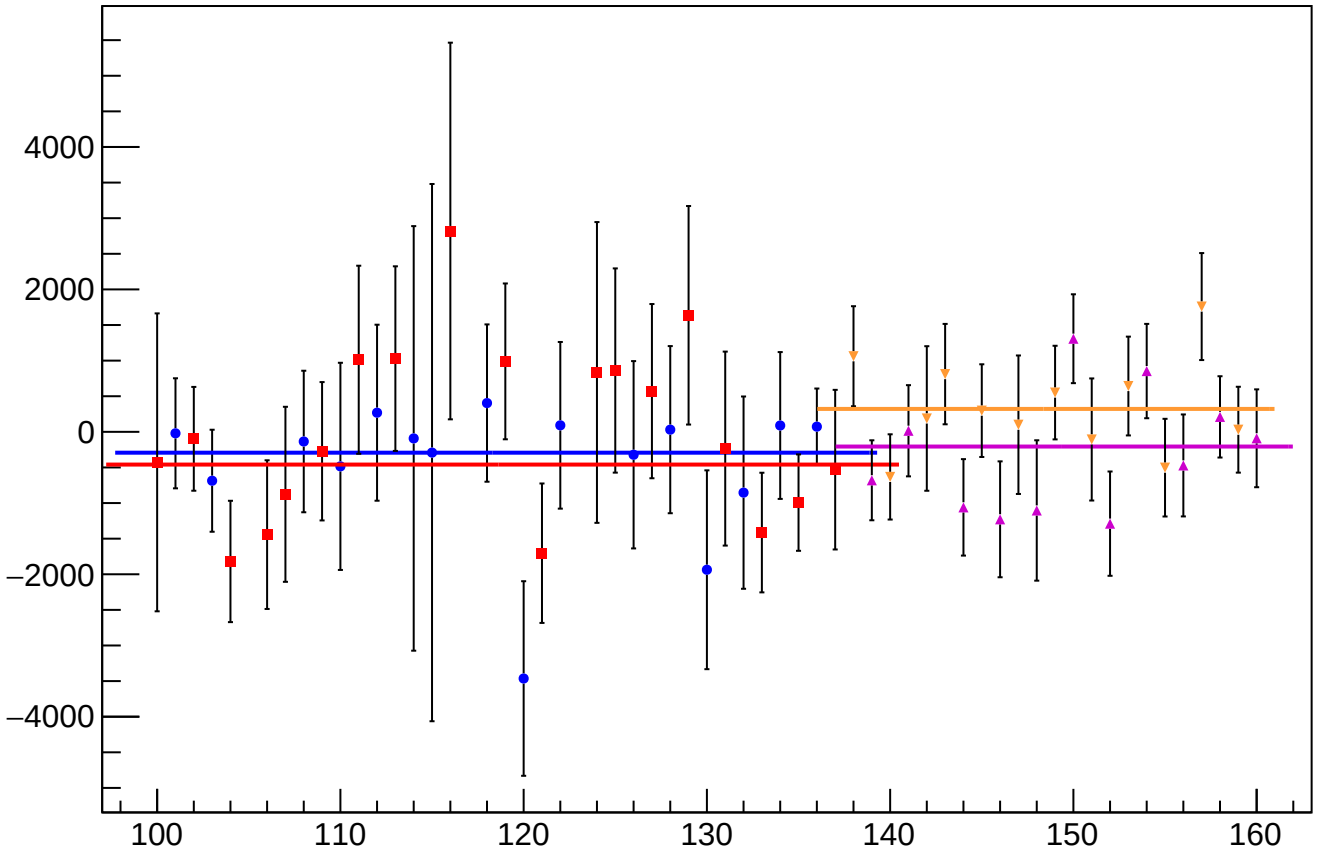
Left: 102.021+/-0.017 χ^2/NDF: 463807.7/22

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 98.151+/-0.017 χ^2/NDF:444484.8/26

Out: 95.965+/-0.017 χ^2/NDF:408452.3/30

All: 97.026+/-0.012 χ^2/NDF: 861396.7/57



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: -206.447+/-203.352 χ^2/NDF:16.2/10

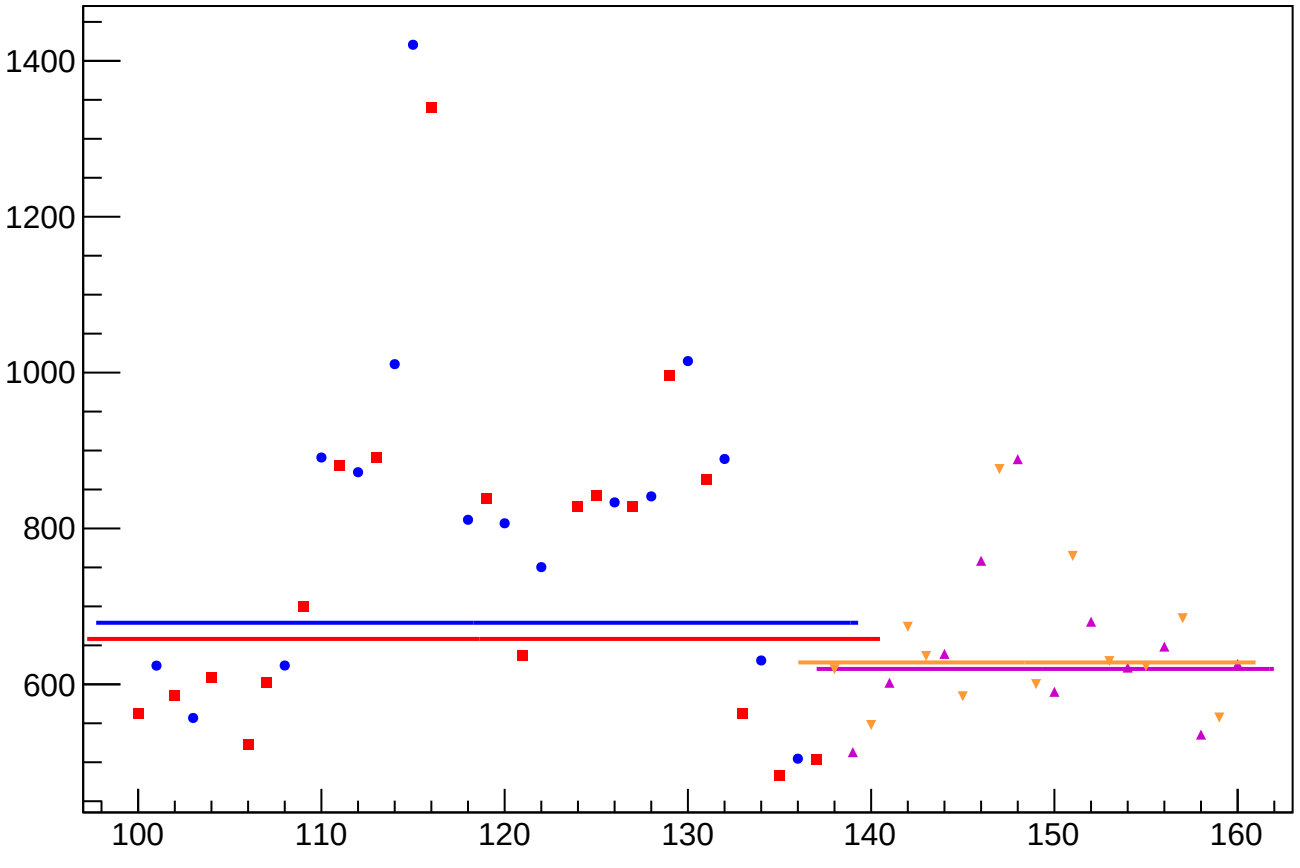
Left: 54.638+/-144.628 χ^2/NDF: 29.6/22

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -239.252+/-160.106 χ^2/NDF:25.0/26

Out: 5.646+/-158.743 χ^2/NDF:33.0/30

All: -115.755+/-112.727 χ^2/NDF: 59.2/57



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: 619.755+/-0.144 χ^2/NDF:347862.0/10

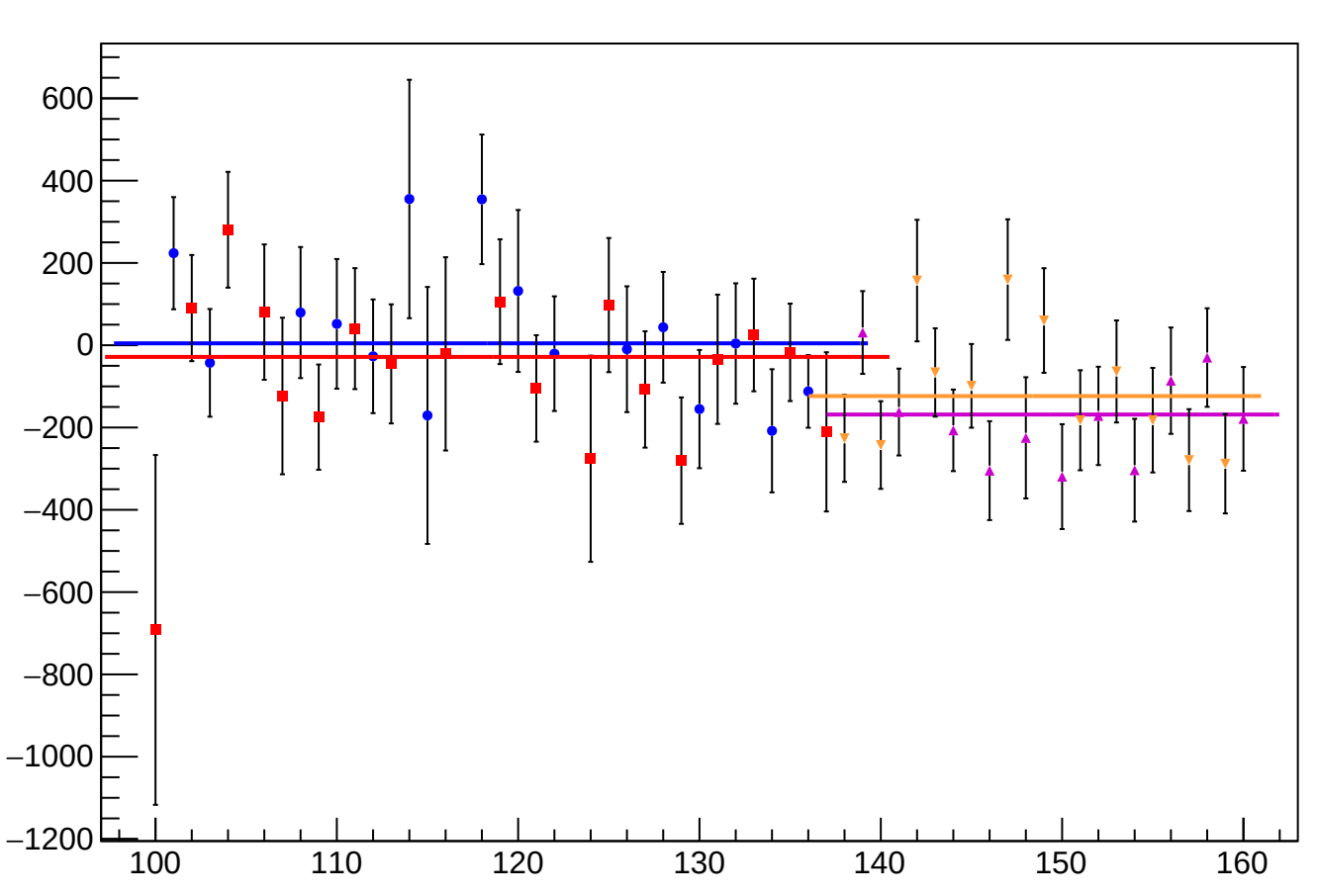
Left: 623.872+/-0.102 χ^2/NDF: 622813.0/22

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 642.275+/-0.113 χ^2/NDF:1180378.5/26

Out: 640.297+/-0.112 χ^2/NDF:1096601.6/30

All: 641.278+/-0.080 χ^2/NDF: 2277134.1/57



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: -168.444+/-35.489 χ^2/NDF:9.8/10

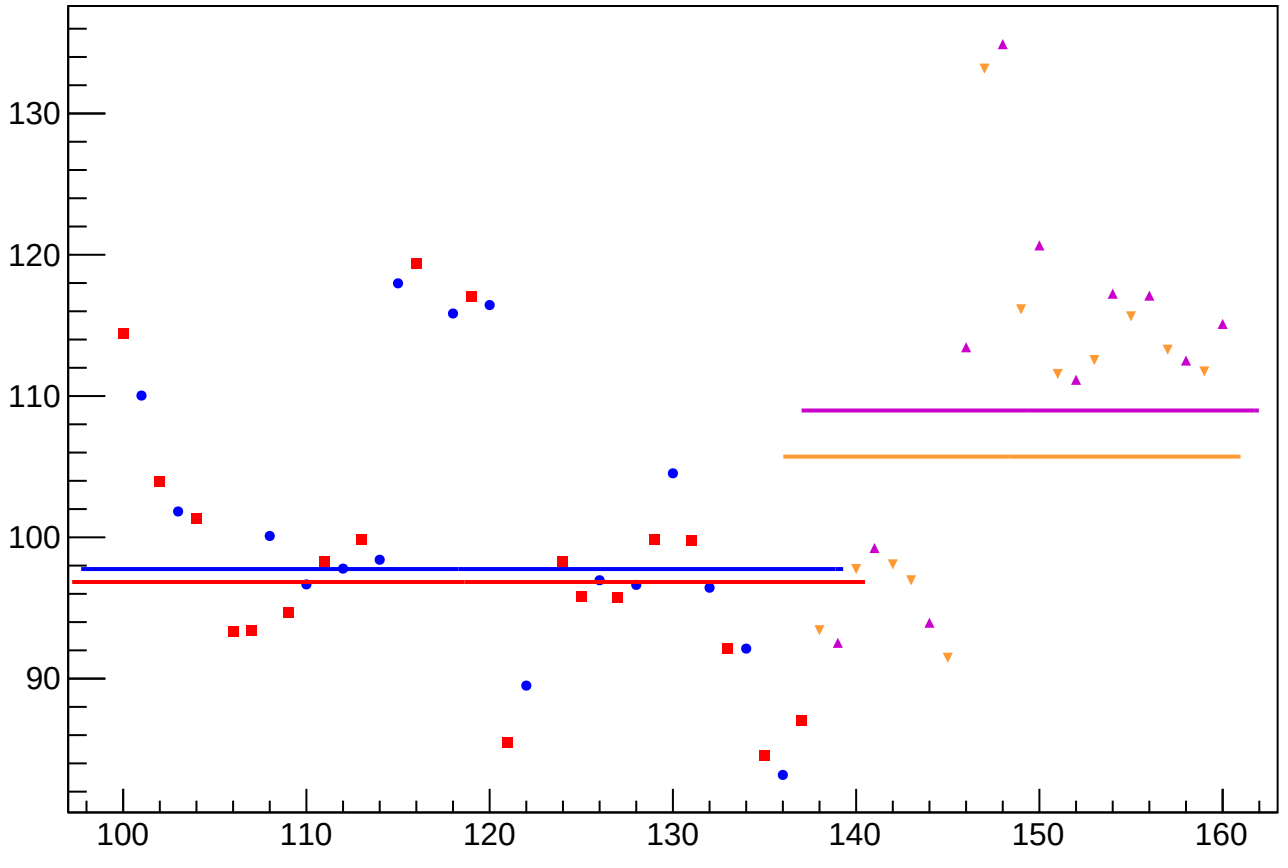
Left: -145.335+/-24.711 χ^2/NDF: 26.7/22

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -84.364+/-25.447 χ^2/NDF:36.7/26

Out: -77.408+/-24.703 χ^2/NDF:36.9/30

All: -80.782+/-17.725 χ^2/NDF: 73.7/57



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: 108.978+/-0.025 χ^2/NDF:221749.9/10

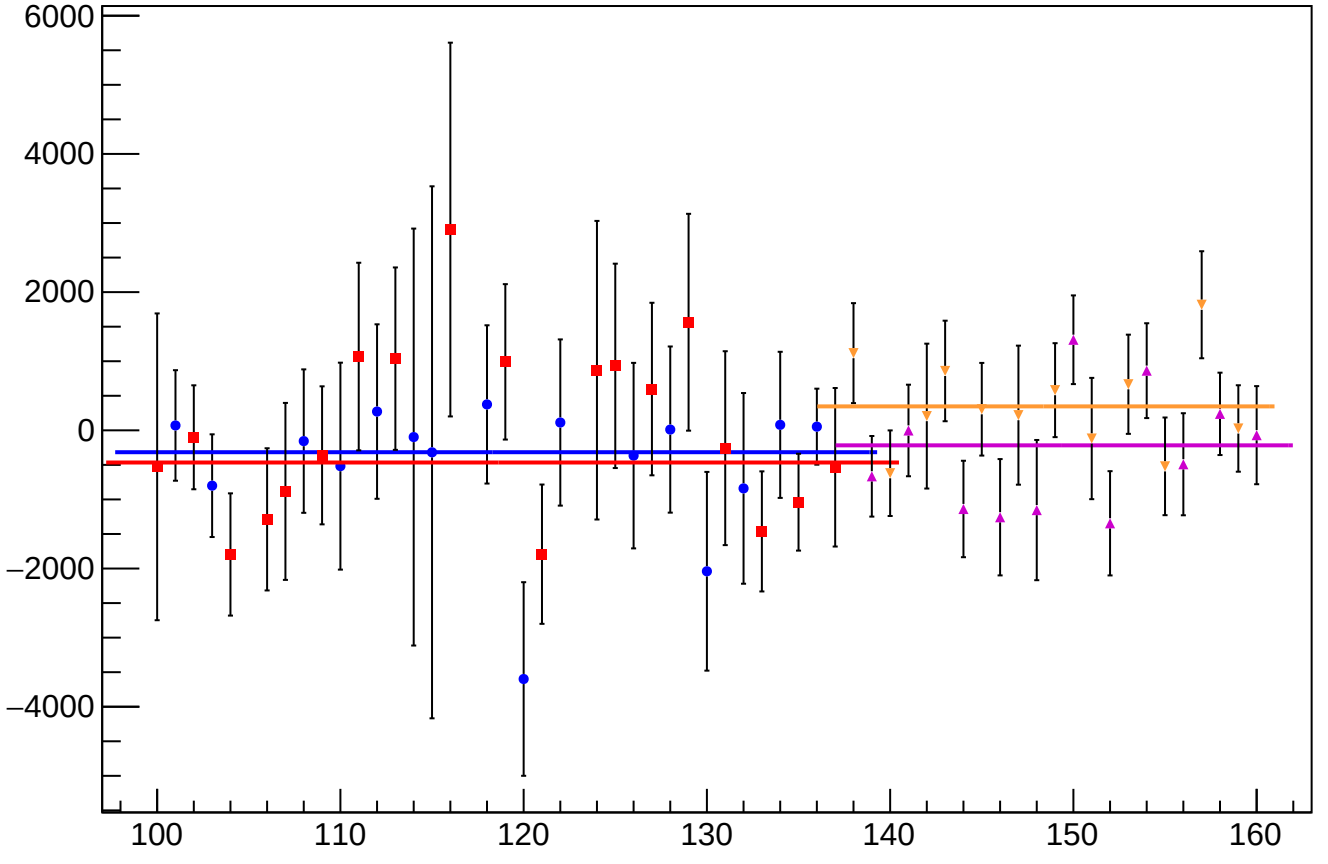
Left: 107.296+/-0.017 χ^2/NDF: 445454.9/22

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 103.526+/-0.018 χ^2/NDF:459555.2/26

Out: 101.408+/-0.017 χ^2/NDF:394623.4/30

All: 102.436+/-0.013 χ^2/NDF: 861308.7/57



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: -217.256+/-210.372 χ^2/NDF:16.0/10

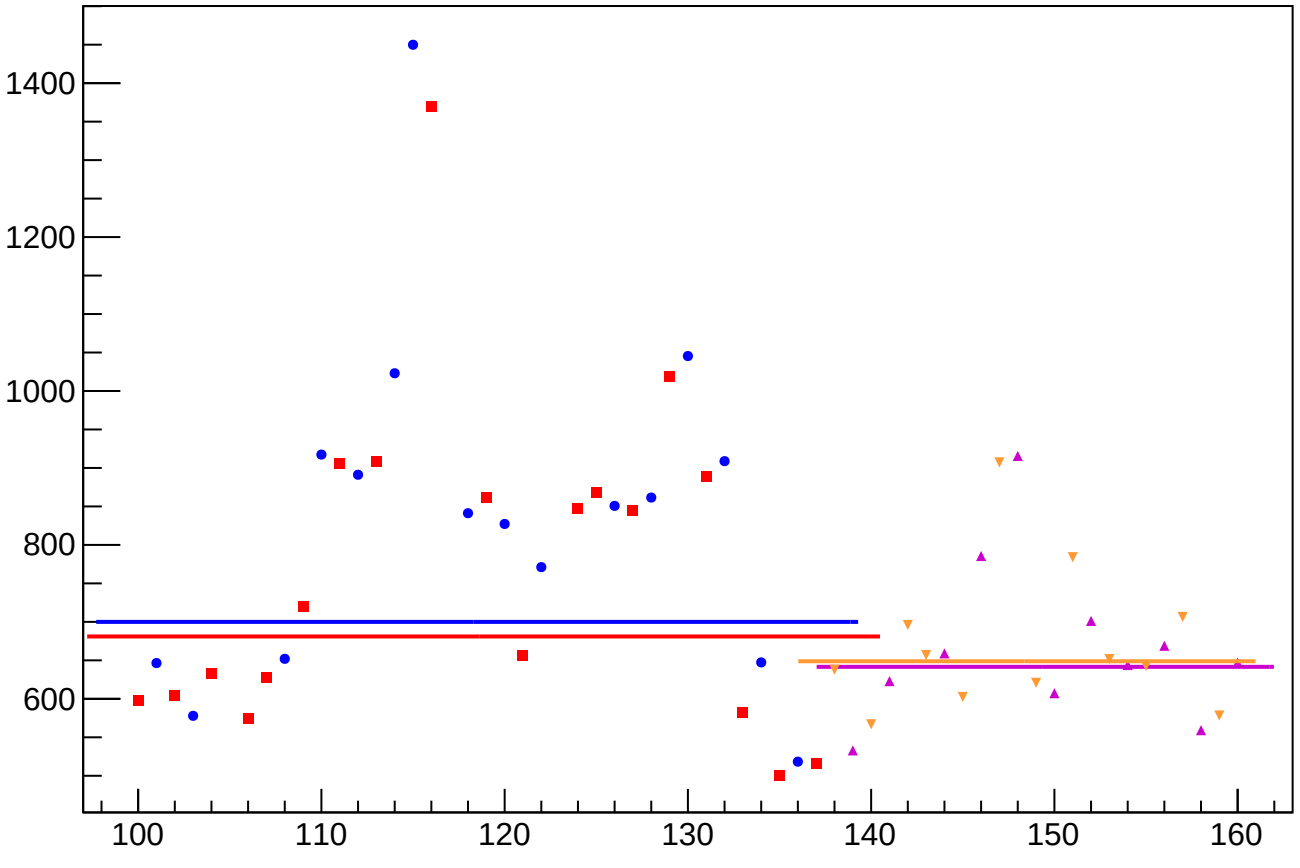
Left: 61.830+/-149.482 χ^2/NDF: 29.6/22

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -255.206+/-165.365 χ^2/NDF:25.2/26

Out: 16.274+/-163.650 χ^2/NDF:32.5/30

All: -118.051+/-116.320 χ^2/NDF: 59.1/57



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: 641.570+/-0.149 χ^2/NDF:335789.4/10

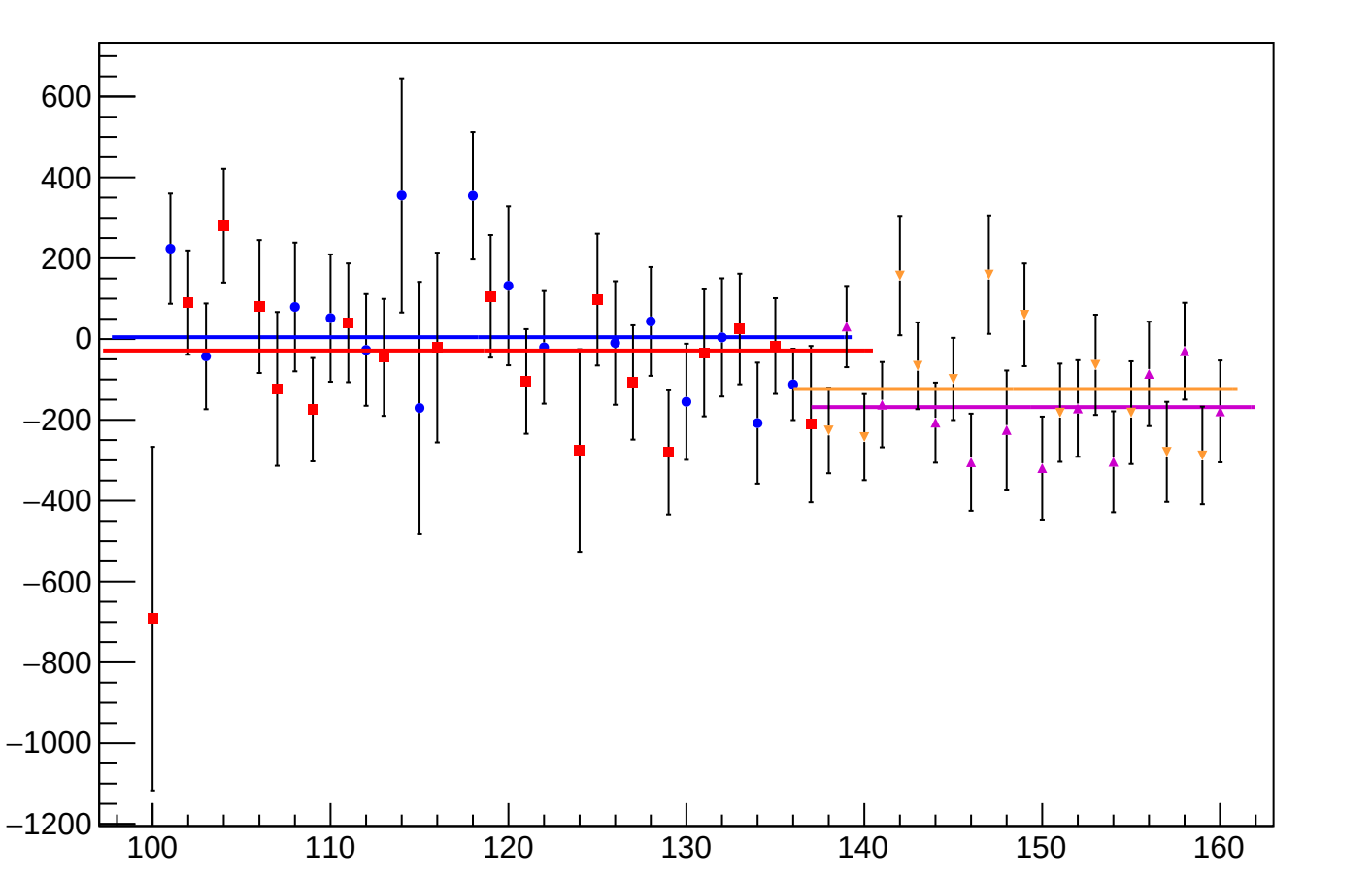
Left: 645.157+/-0.106 χ^2/NDF: 605700.4/22

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 663.886+/-0.117 χ^2/NDF:1148354.4/26

Out: 661.908+/-0.116 χ^2/NDF:1056818.7/30

All: 662.887+/-0.082 χ^2/NDF: 2205317.7/57



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: -168.444+/-35.489 χ^2/NDF:9.8/10

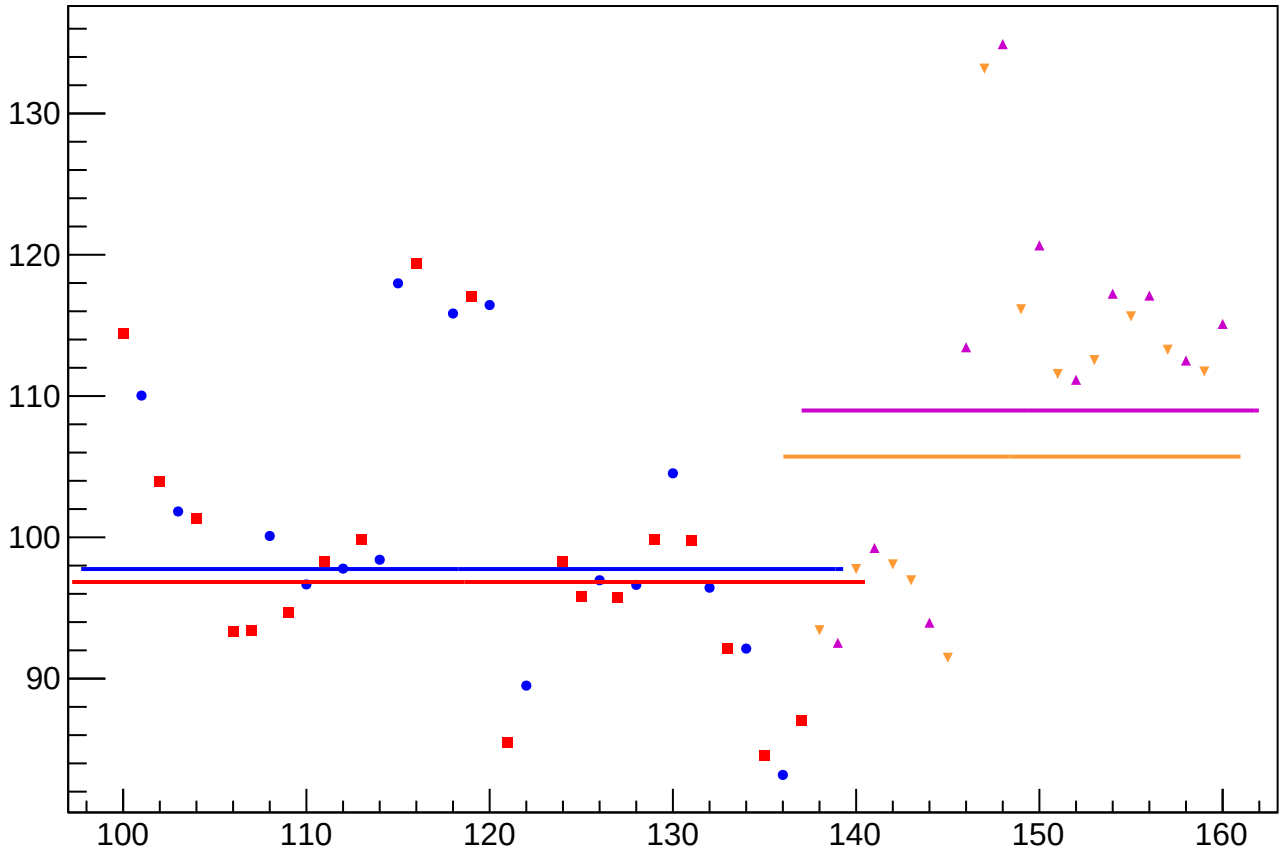
Left: -145.335+/-24.711 χ^2/NDF: 26.7/22

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -84.363+/-25.447 χ^2/NDF:36.7/26

Out: -77.407+/-24.703 χ^2/NDF:36.9/30

All: -80.782+/-17.725 χ^2/NDF: 73.7/57



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: 108.978+/-0.025 χ^2/NDF:221748.9/10

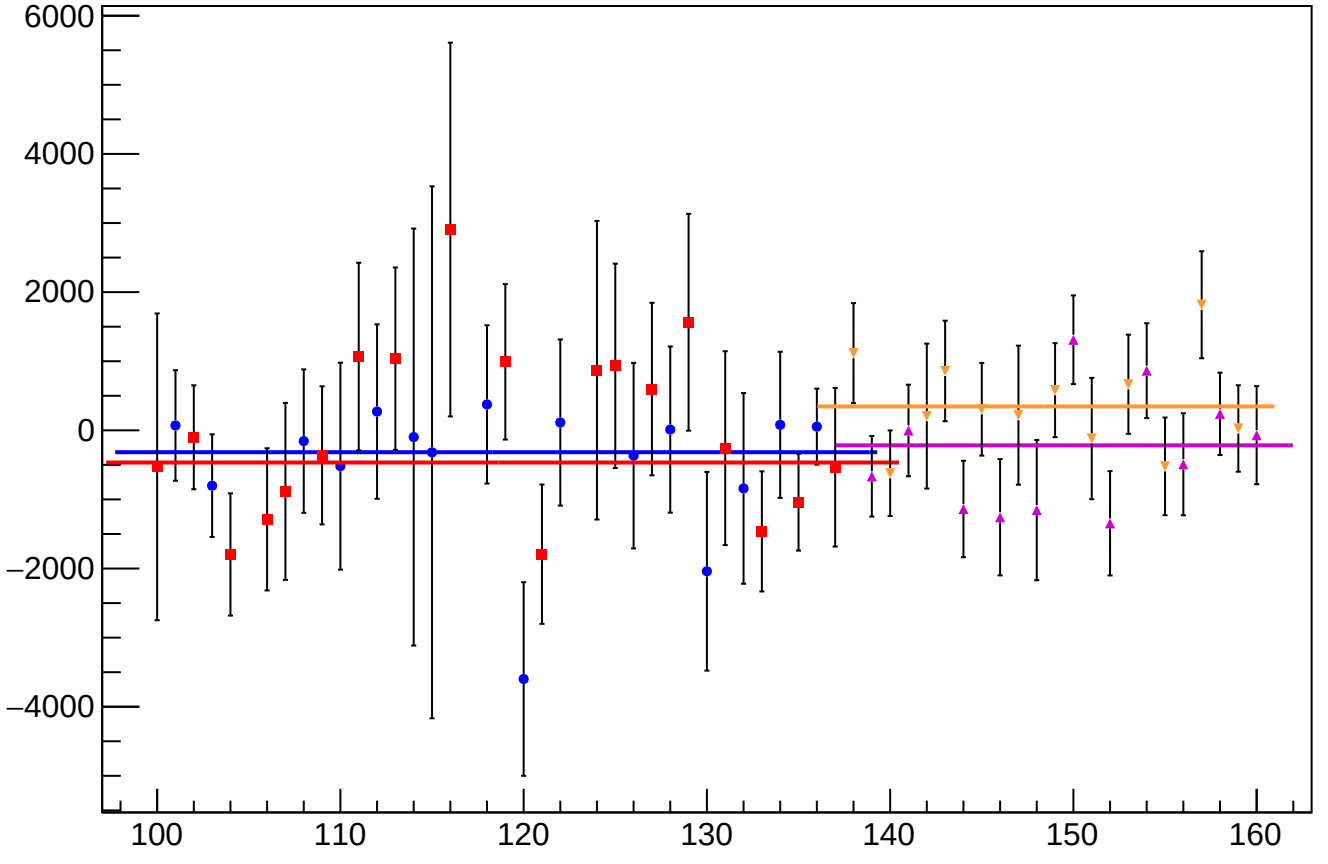
Left: 107.296+/-0.017 χ^2/NDF: 445454.6/22

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 103.526+/-0.018 χ^2/NDF:459562.2/26

Out: 101.408+/-0.017 χ^2/NDF:394632.6/30

All: 102.435+/-0.013 χ^2/NDF: 861325.1/57



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: -217.258+/-210.373 χ^2/NDF:16.0/10

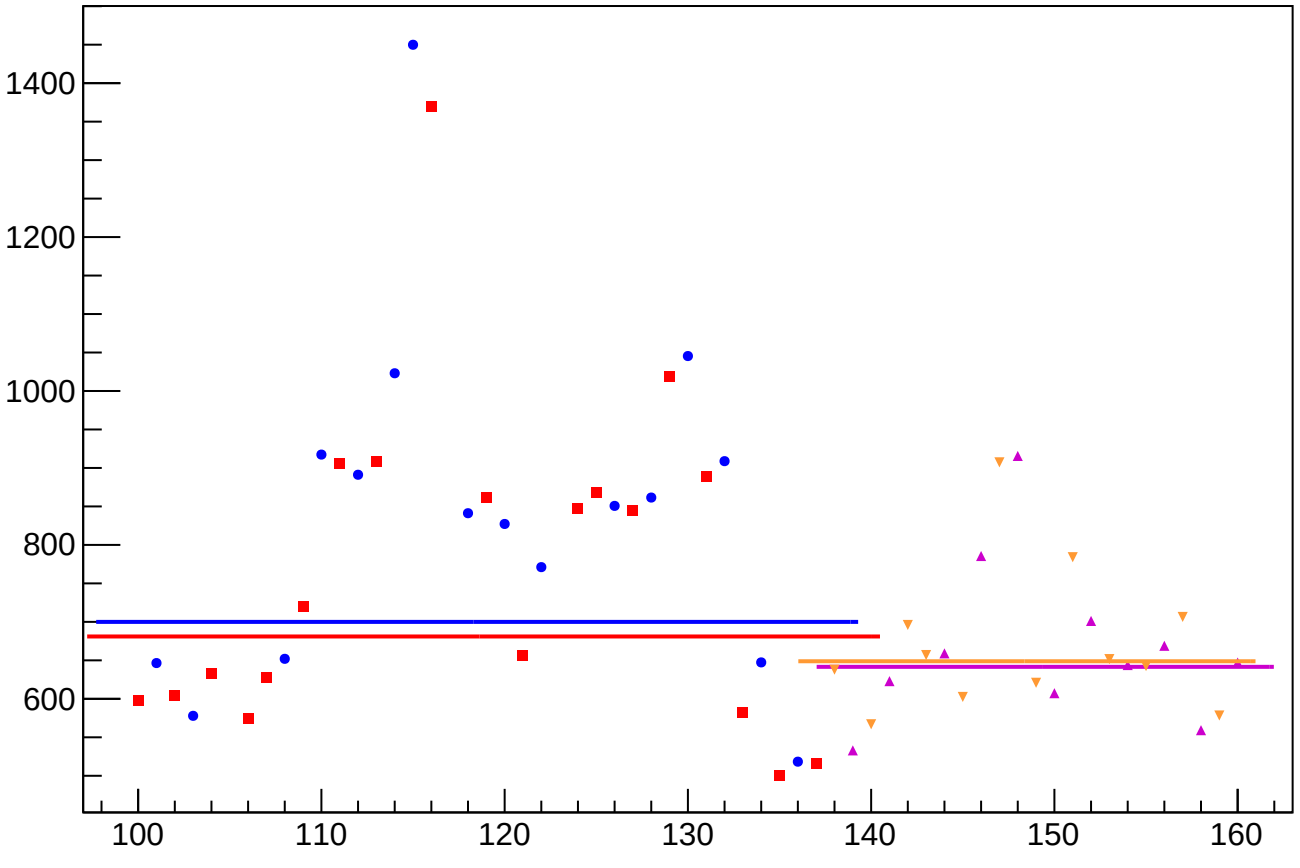
Left: 61.829+/-149.483 χ^2/NDF: 29.6/22

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -255.206+/-165.365 χ^2/NDF:25.2/26

Out: 16.273+/-163.650 χ^2/NDF:32.5/30

All: -118.052+/-116.320 χ^2/NDF: 59.1/57



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: 641.571+/-0.149 χ^2/NDF:335791.0/10

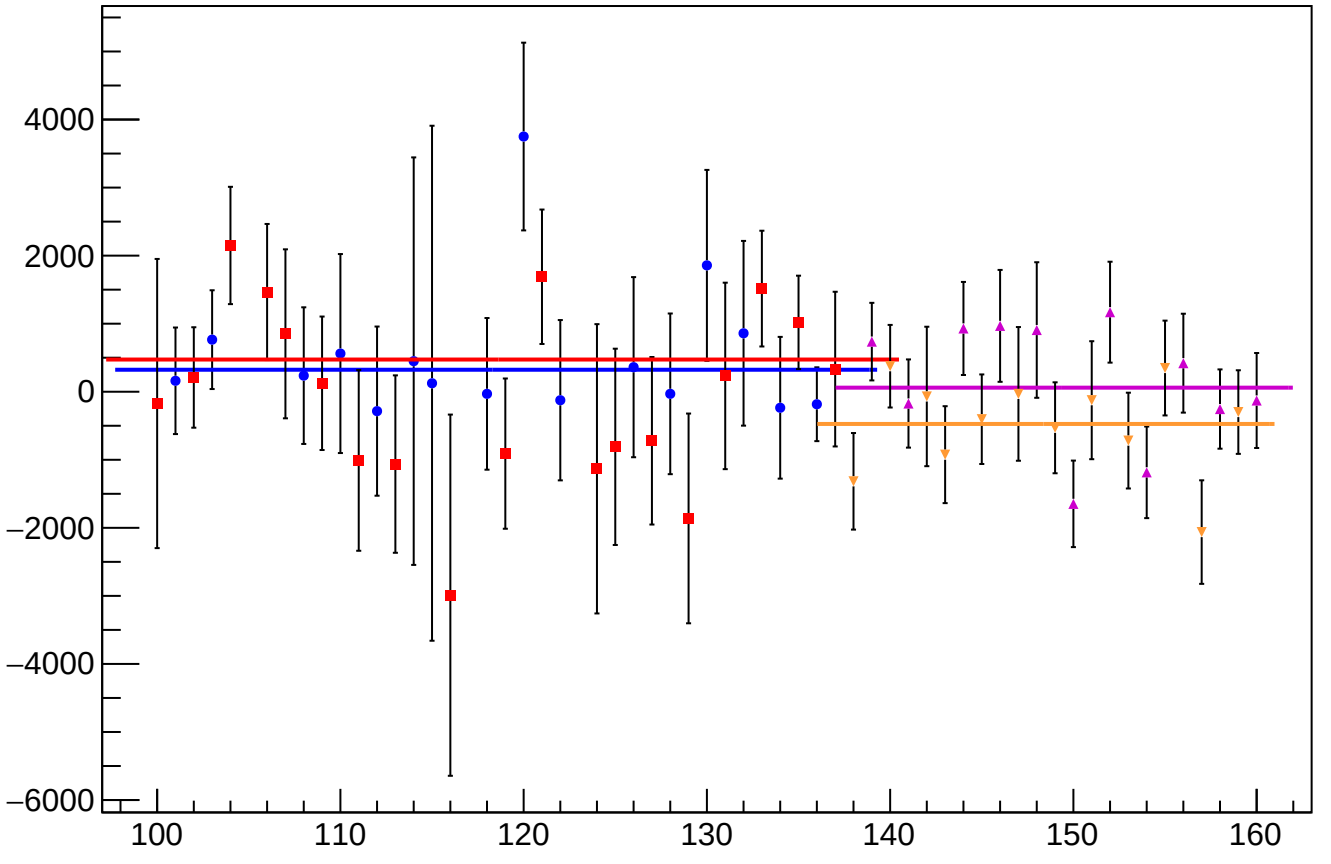
Left: 645.157+/-0.106 χ^2/NDF: 605702.9/22

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 663.886+/-0.117 χ^2/NDF:1148354.2/26

Out: 661.907+/-0.116 χ^2/NDF:1056819.9/30

All: 662.887+/-0.082 χ^2/NDF: 2205318.8/57



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: 59.871+/-206.377 χ^2/NDF:18.6/10

Left: -204.049+/-146.683 χ^2/NDF: 32.1/22

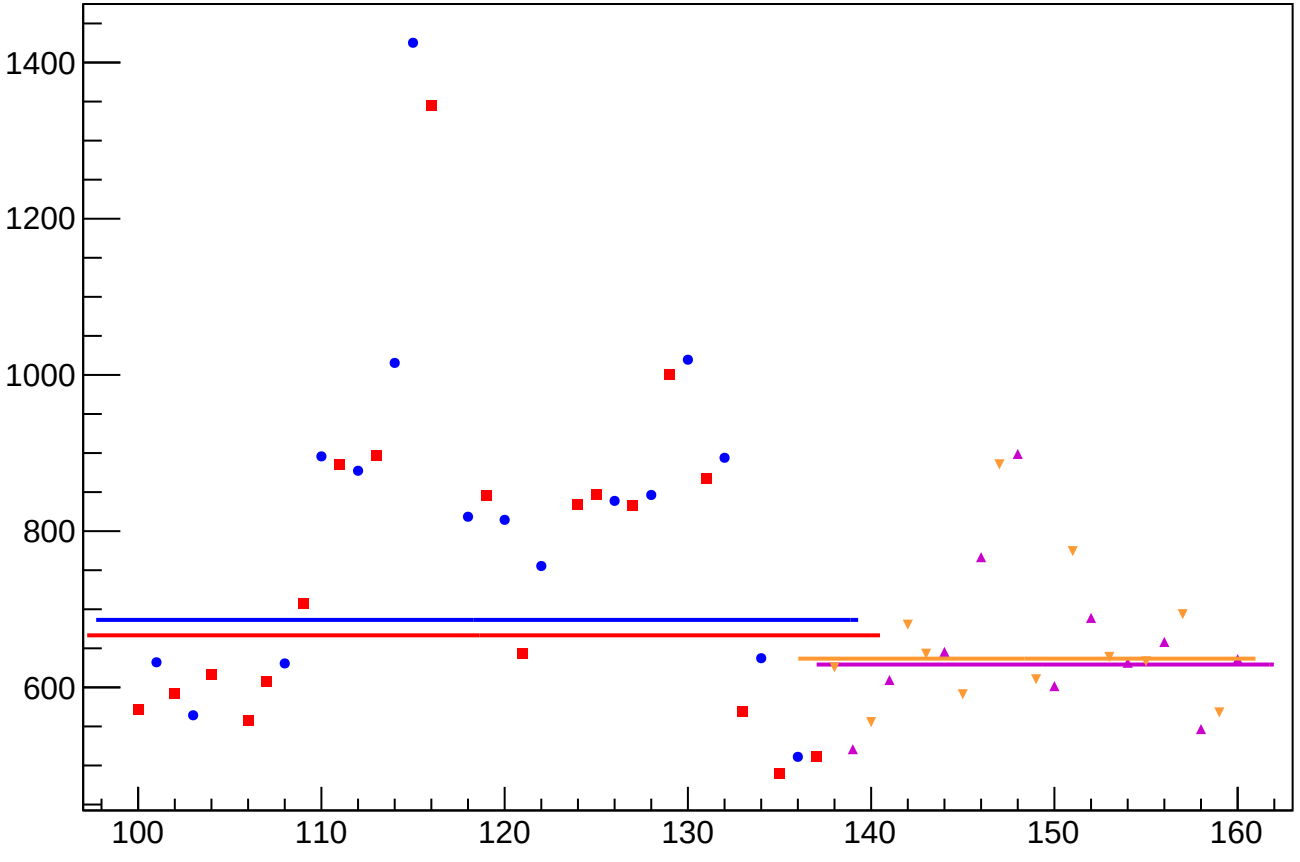
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 160.540+/-162.200 χ^2/NDF:28.9/26

Out: -87.498+/-160.480 χ^2/NDF:38.1/30

All: 35.198+/-114.080 χ^2/NDF: 68.2/57

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: 629.249+/-0.146 χ^2/NDF:338122.9/10

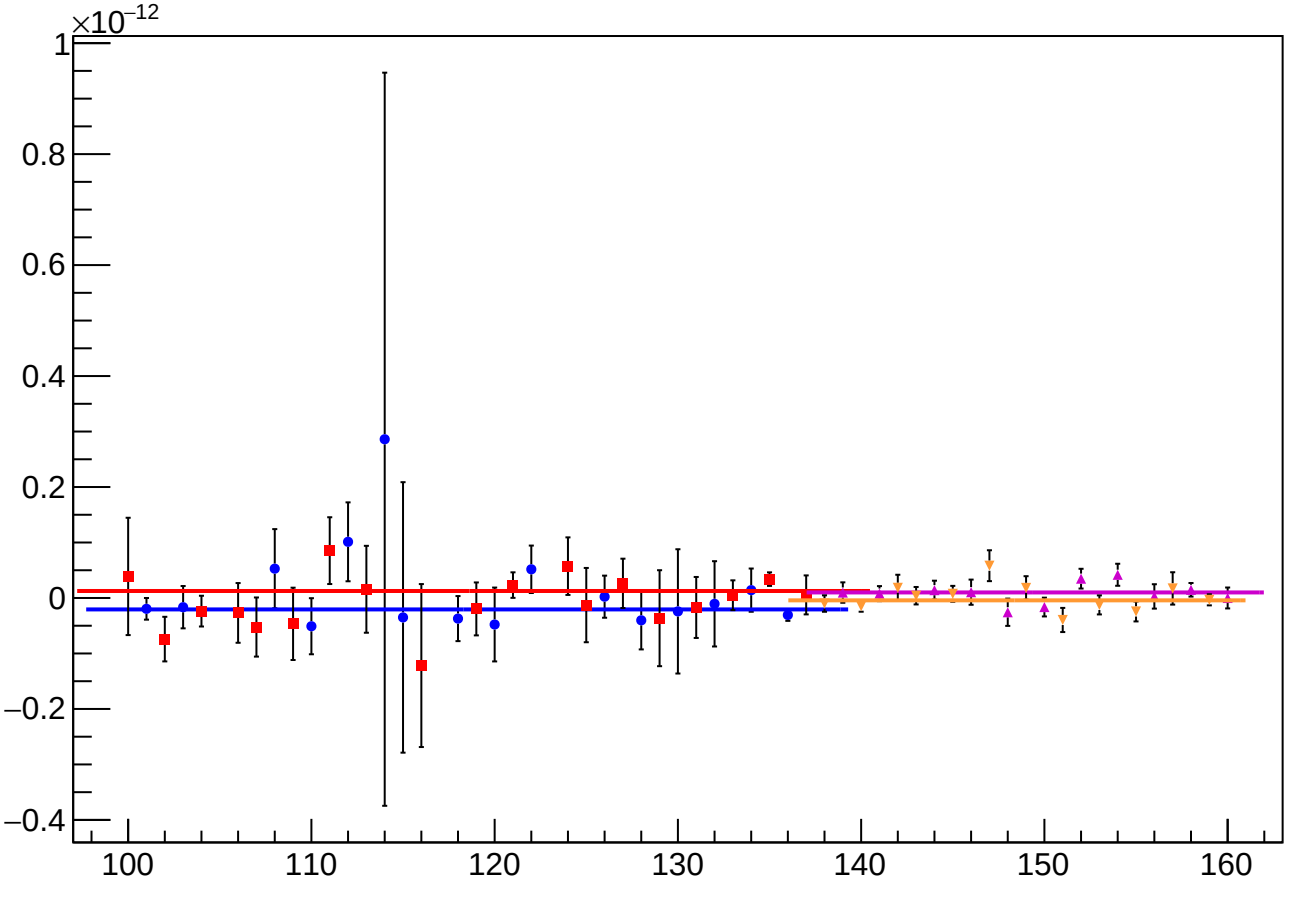
Left: 632.985+/-0.104 χ^2/NDF: 607302.8/22

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.096+/-0.115 χ^2/NDF:1146199.6/26

Out: 648.963+/-0.113 χ^2/NDF:1061581.9/30

All: 650.018+/-0.081 χ^2/NDF: 2207956.2/57



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:9.7/10

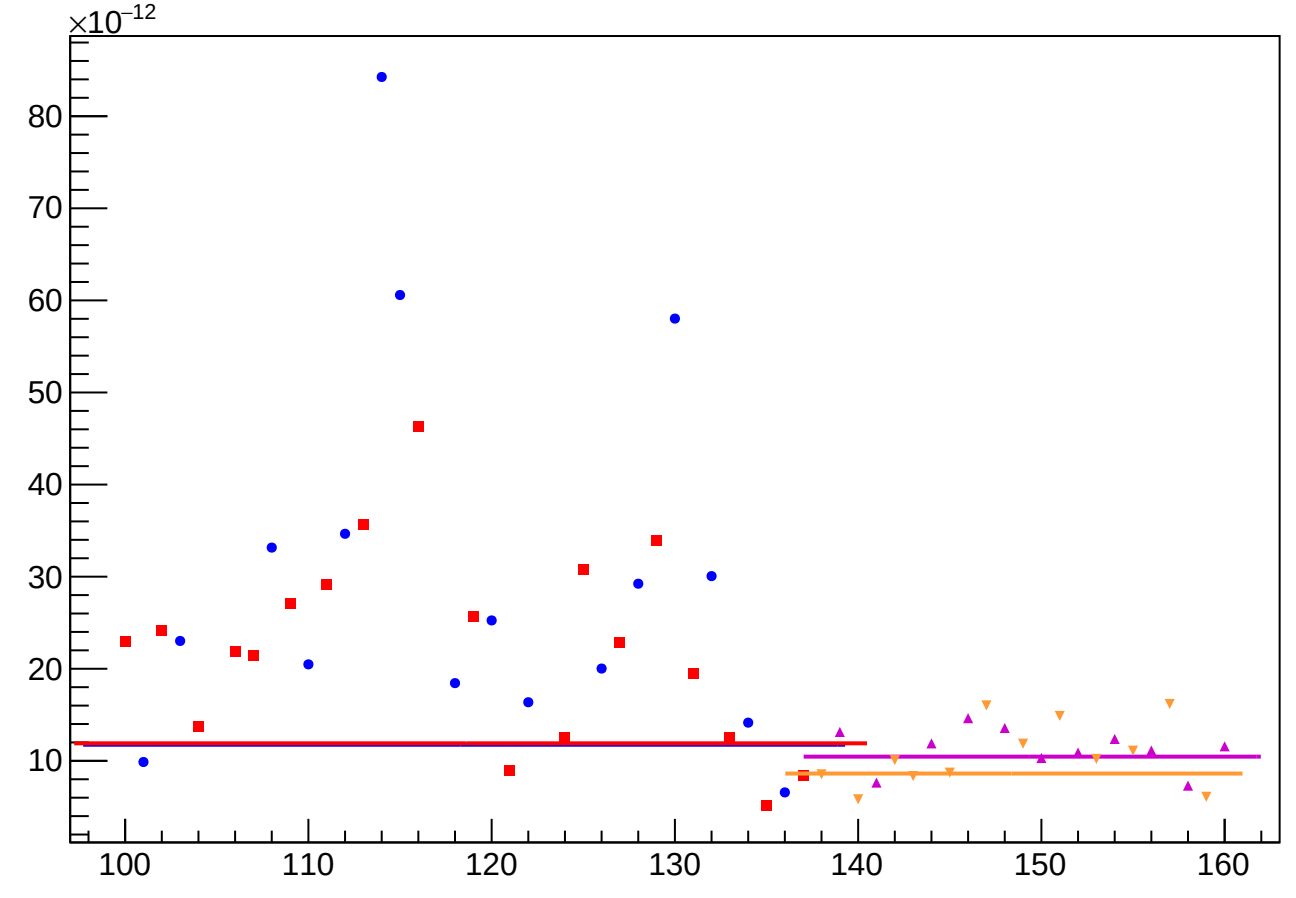
Left: 0.000+/-0.000 χ^2/NDF: 27.9/22

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:30.2/26

Out: -0.000+/-0.000 χ^2/NDF:34.5/30

All: 0.000+/-0.000 χ^2/NDF: 64.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:837561.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

Left In: 0.000+/-0.000 χ^2/NDF:405016.7/10

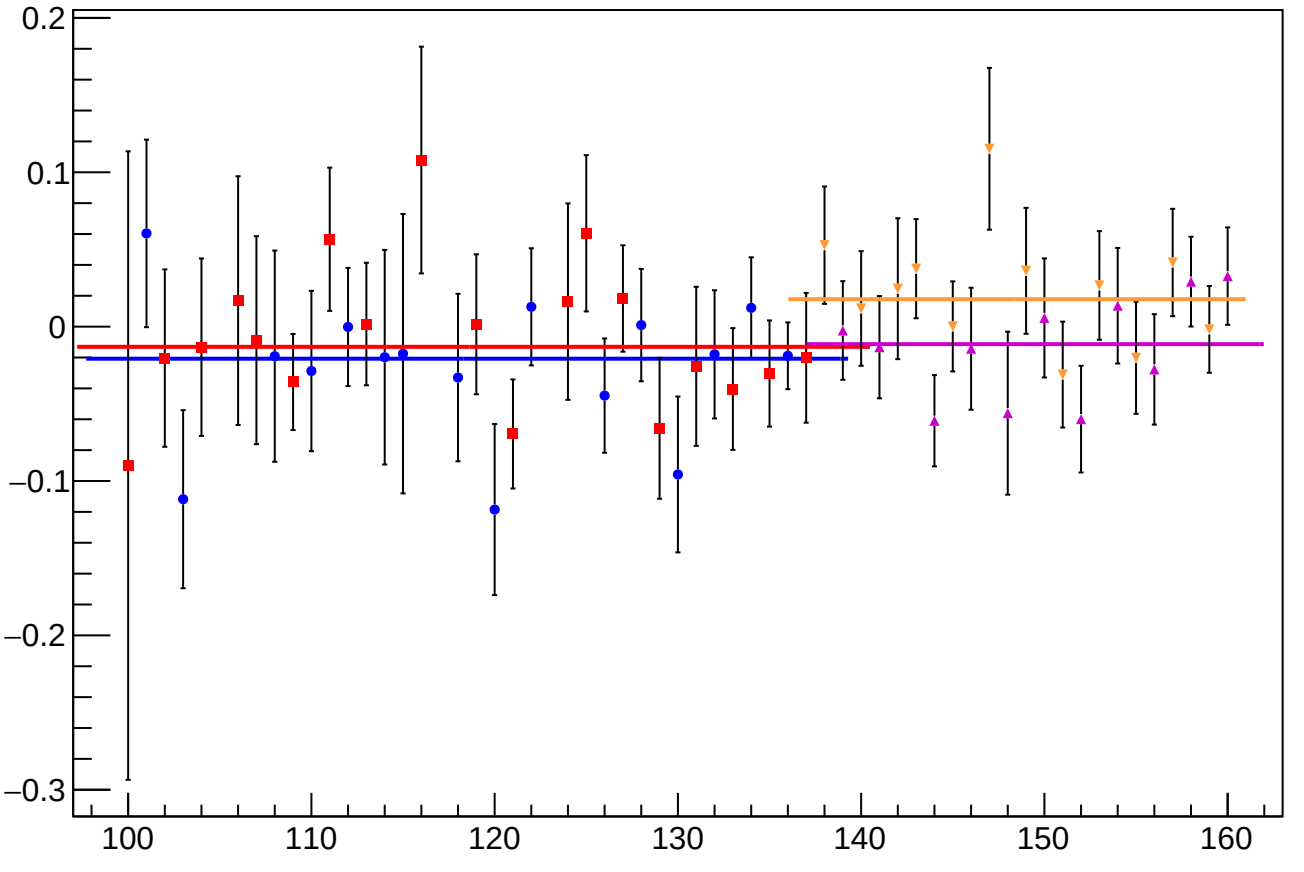
Left: 0.000+/-0.000 χ^2/NDF: 1382479.0/22

Right: 0.000+/-0.000 χ^2/NDF: 4364012.6/34

In: 0.000+/-0.000 χ^2/NDF:2603874.9/26

Out: 0.000+/-0.000 χ^2/NDF:3302310.5/30

All: 0.000+/-0.000 χ^2/NDF: 6022905.9/57



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: -0.011+/-0.010 χ^2/NDF:10.3/10

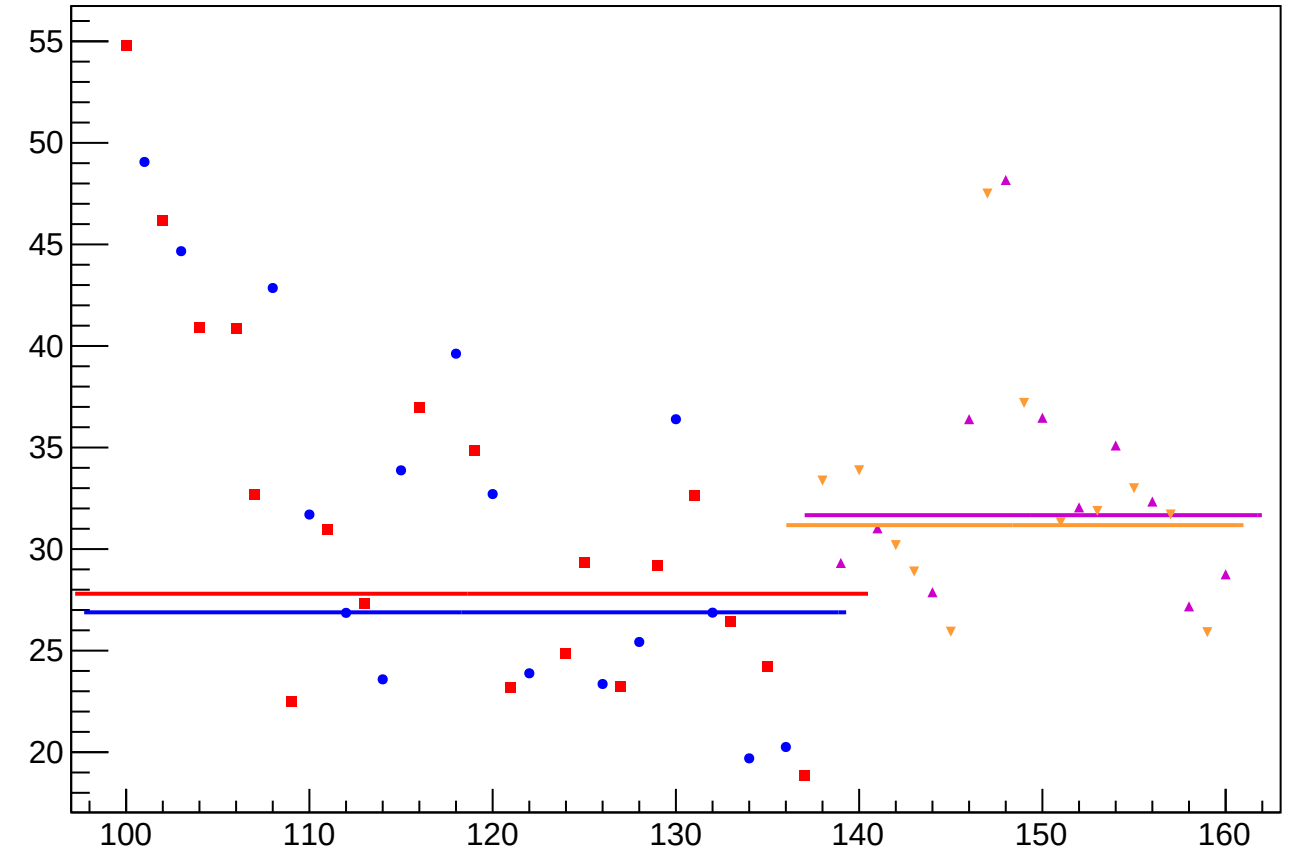
Left: 0.003+/-0.007 χ^2/NDF: 23.7/22

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.007+/-0.005 χ^2/NDF: 54.3/57



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: 31.670+/-0.007 χ^2/NDF:382015.4/10

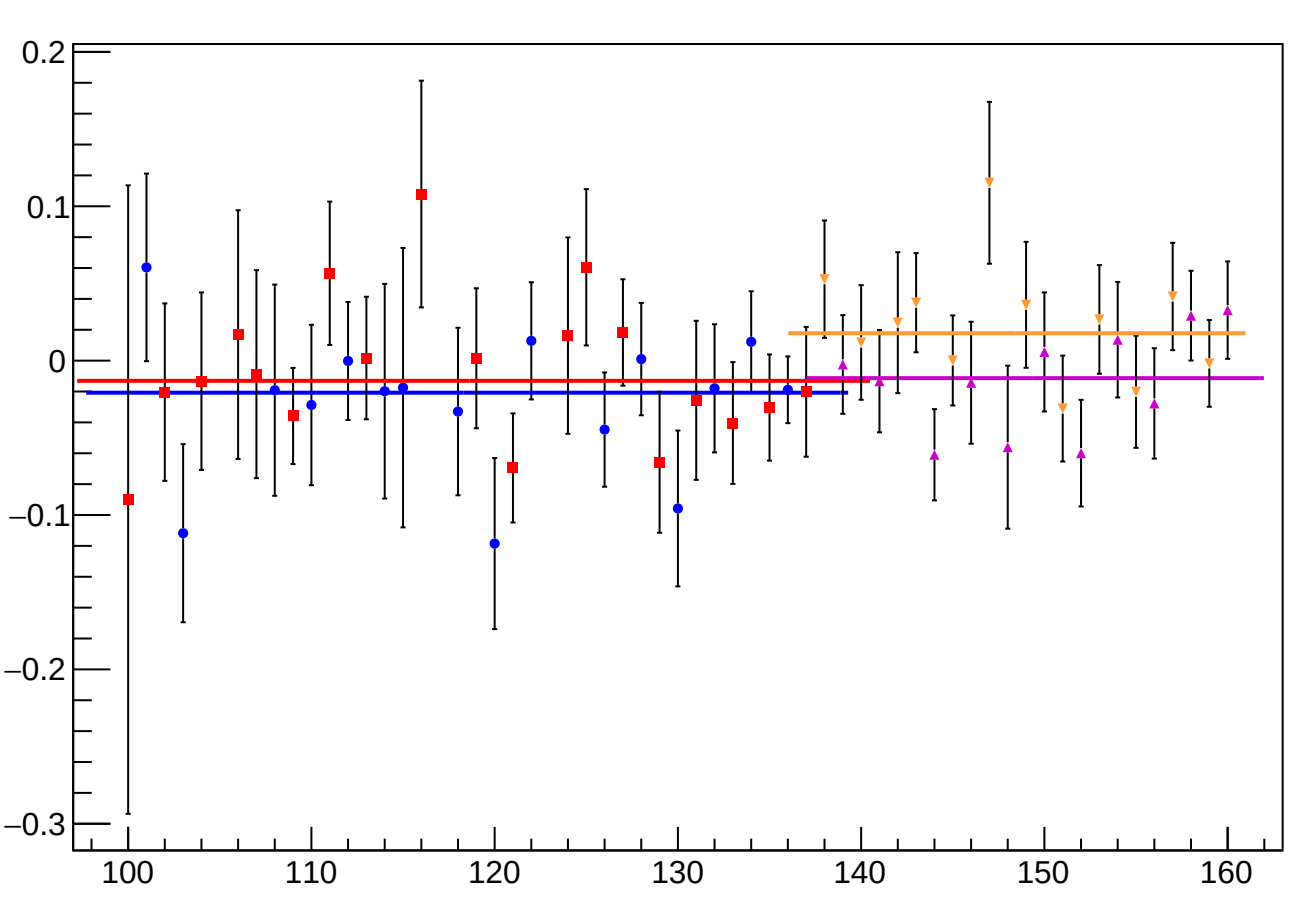
Left: 31.420+/-0.005 χ^2/NDF: 791536.3/22

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.301+/-0.005 χ^2/NDF:1711755.4/26

Out: 29.538+/-0.005 χ^2/NDF:1275839.8/30

All: 29.420+/-0.004 χ^2/NDF: 2988628.2/57



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: -0.011+/-0.010 χ^2/NDF:10.3/10

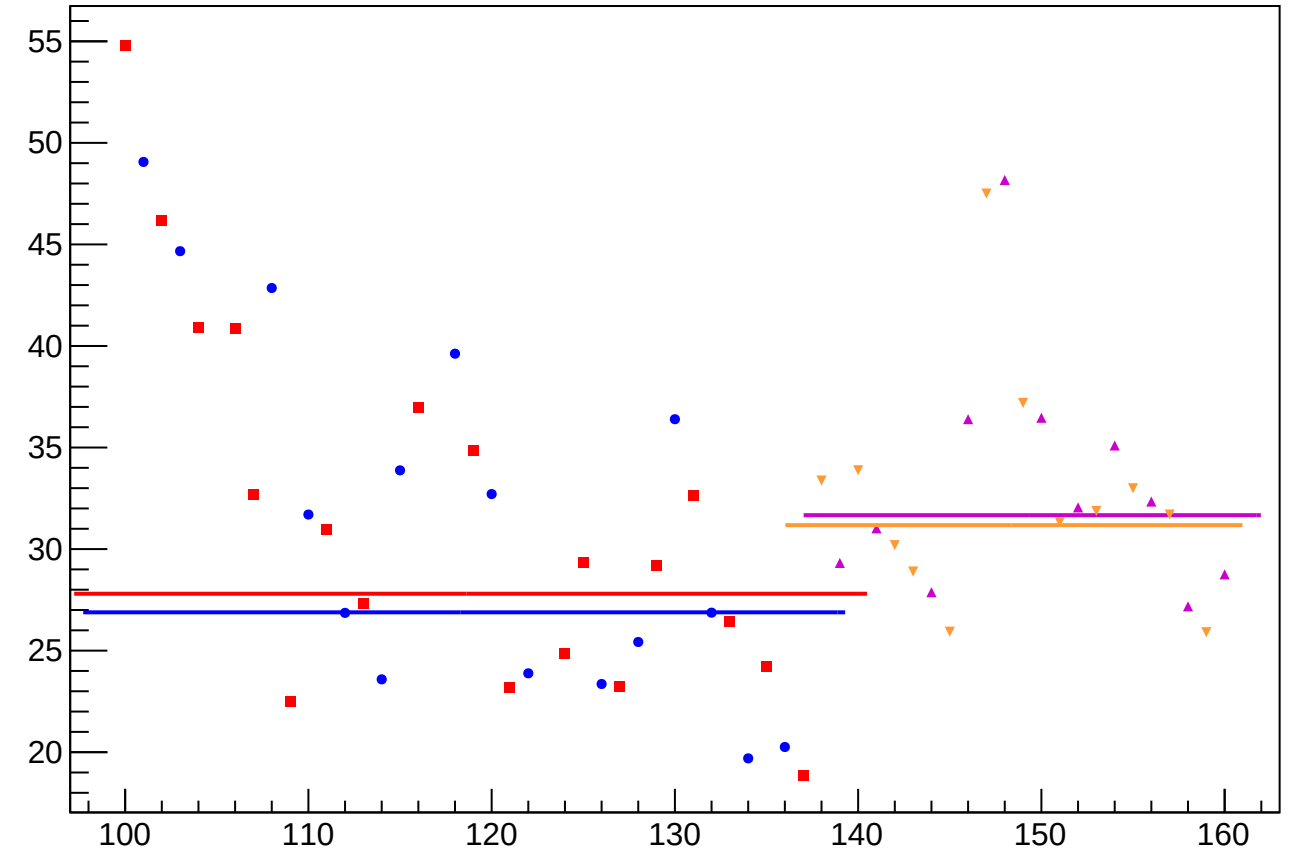
Left: 0.003+/-0.007 χ^2/NDF: 23.7/22

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.007+/-0.005 χ^2/NDF: 54.3/57



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: 31.670+/-0.007 χ^2/NDF:382015.4/10

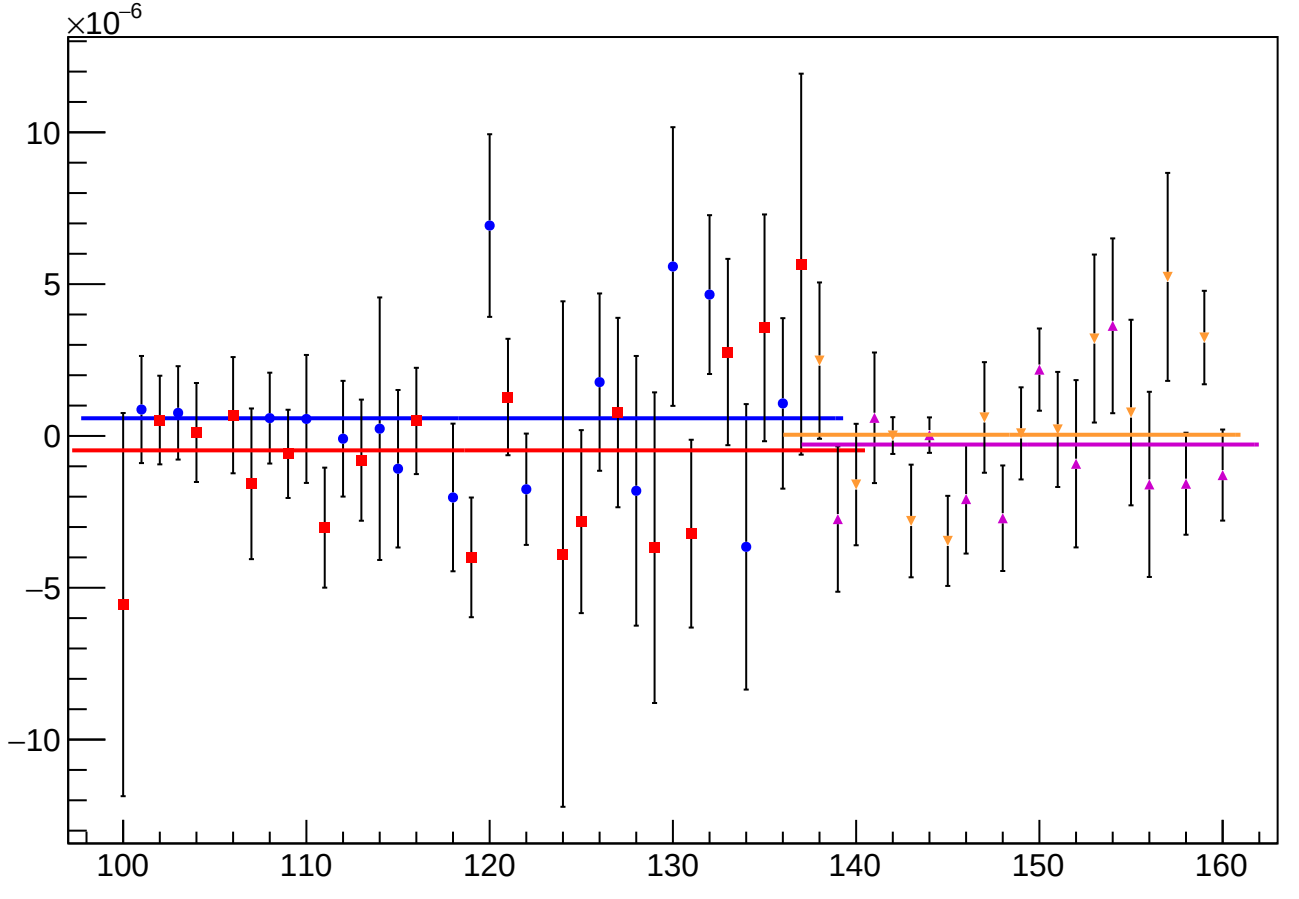
Left: 31.420+/-0.005 χ^2/NDF: 791536.3/22

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.301+/-0.005 χ^2/NDF:1711755.4/26

Out: 29.538+/-0.005 χ^2/NDF:1275839.8/30

All: 29.420+/-0.004 χ^2/NDF: 2988628.2/57



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:10.9/10

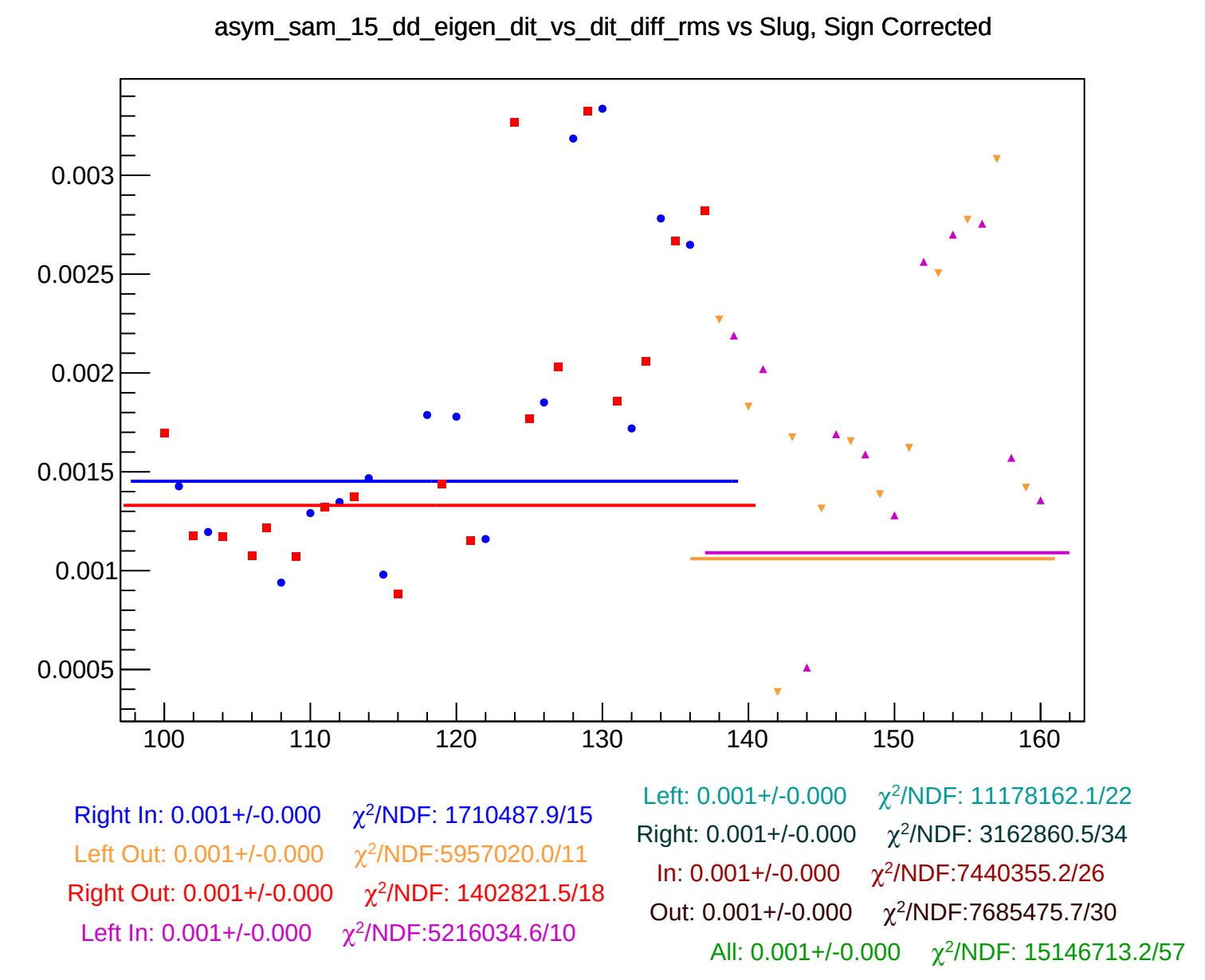
Left: -0.000+/-0.000 χ^2/NDF: 28.8/22

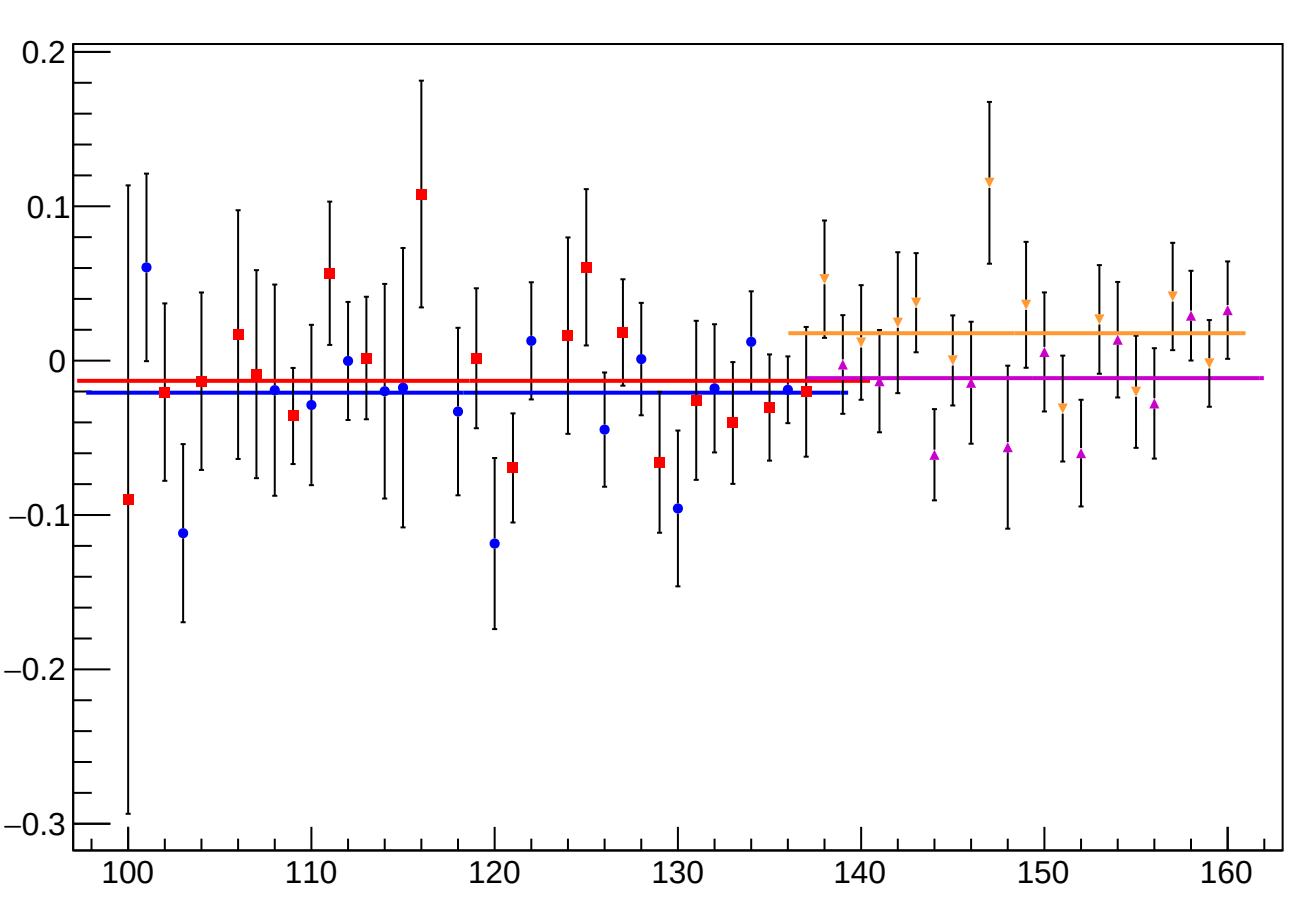
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:25.1/26

Out: -0.000+/-0.000 χ^2/NDF:31.4/30

All: -0.000+/-0.000 χ^2/NDF: 56.6/57


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5957020.0/11
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5216034.6/10
Left: 0.001+/-0.000 χ²/NDF: 11178162.1/22
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:7440355.2/26
Out: 0.001+/-0.000 χ²/NDF:7685475.7/30
All: 0.001+/-0.000 χ²/NDF: 15146713.2/57



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: -0.011+/-0.010 χ^2/NDF:10.3/10

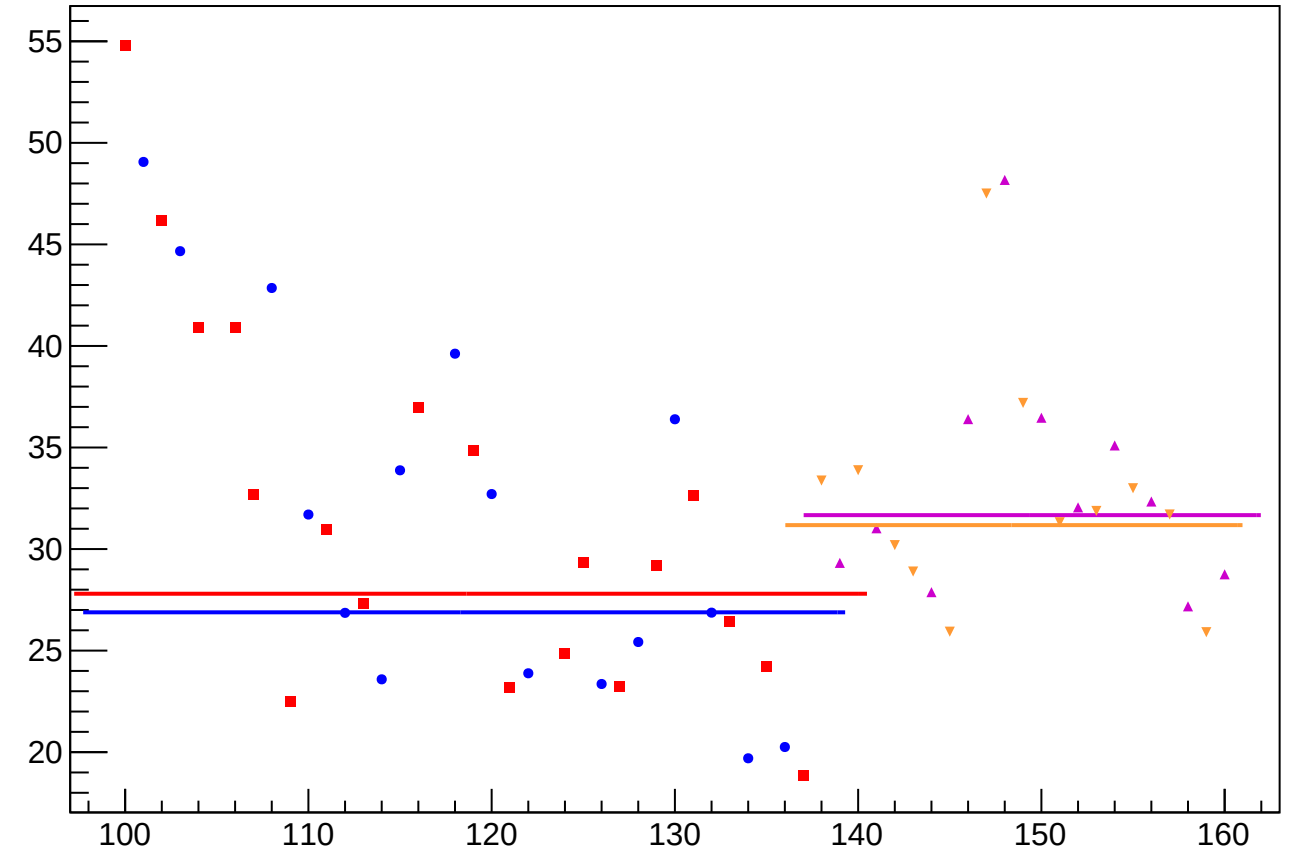
Left: 0.003+/-0.007 χ^2/NDF: 23.7/22

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.007+/-0.005 χ^2/NDF: 54.3/57



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: 31.670+/-0.007 χ^2/NDF:382068.1/10

Left: 31.421+/-0.005 χ^2/NDF: 791677.3/22

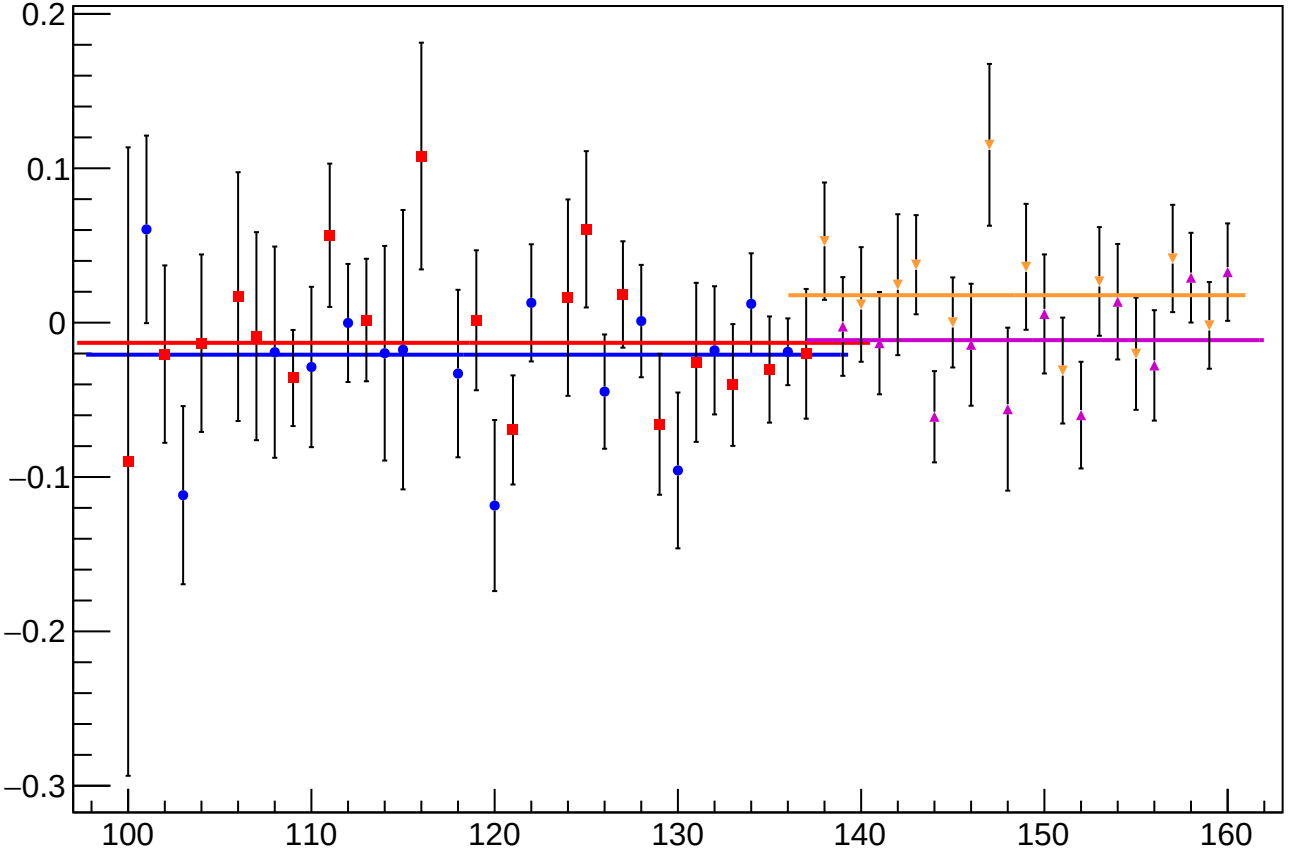
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.300+/-0.005 χ^2/NDF:1711918.6/26

Out: 29.537+/-0.005 χ^2/NDF:1276127.2/30

All: 29.419+/-0.004 χ^2/NDF: 2989076.4/57

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.011+/-0.010 χ^2/NDF:10.3/10

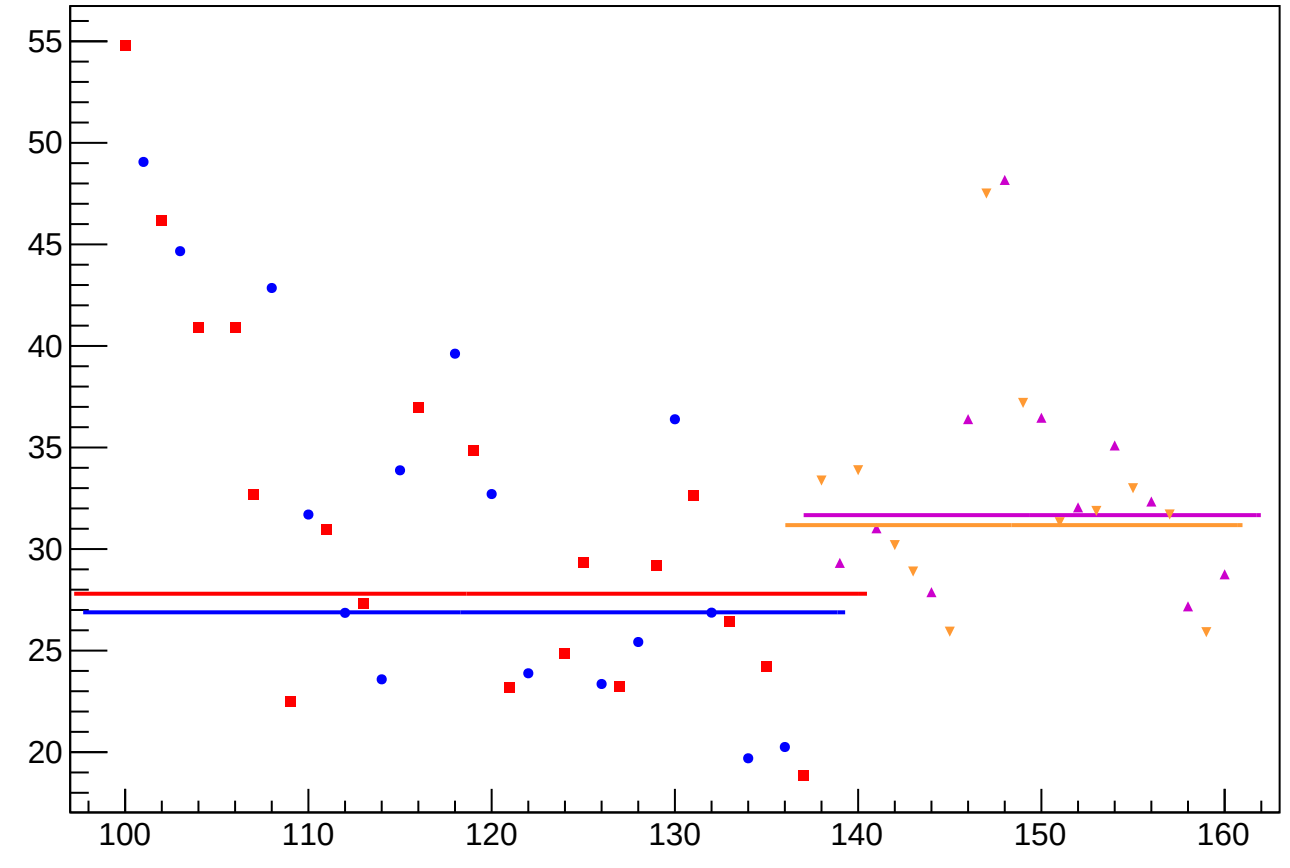
Left: 0.003+/-0.007 χ^2/NDF: 23.7/22

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.7/30

All: -0.007+/-0.005 χ^2/NDF: 54.3/57



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: 31.670+/-0.007 χ^2/NDF:382068.1/10

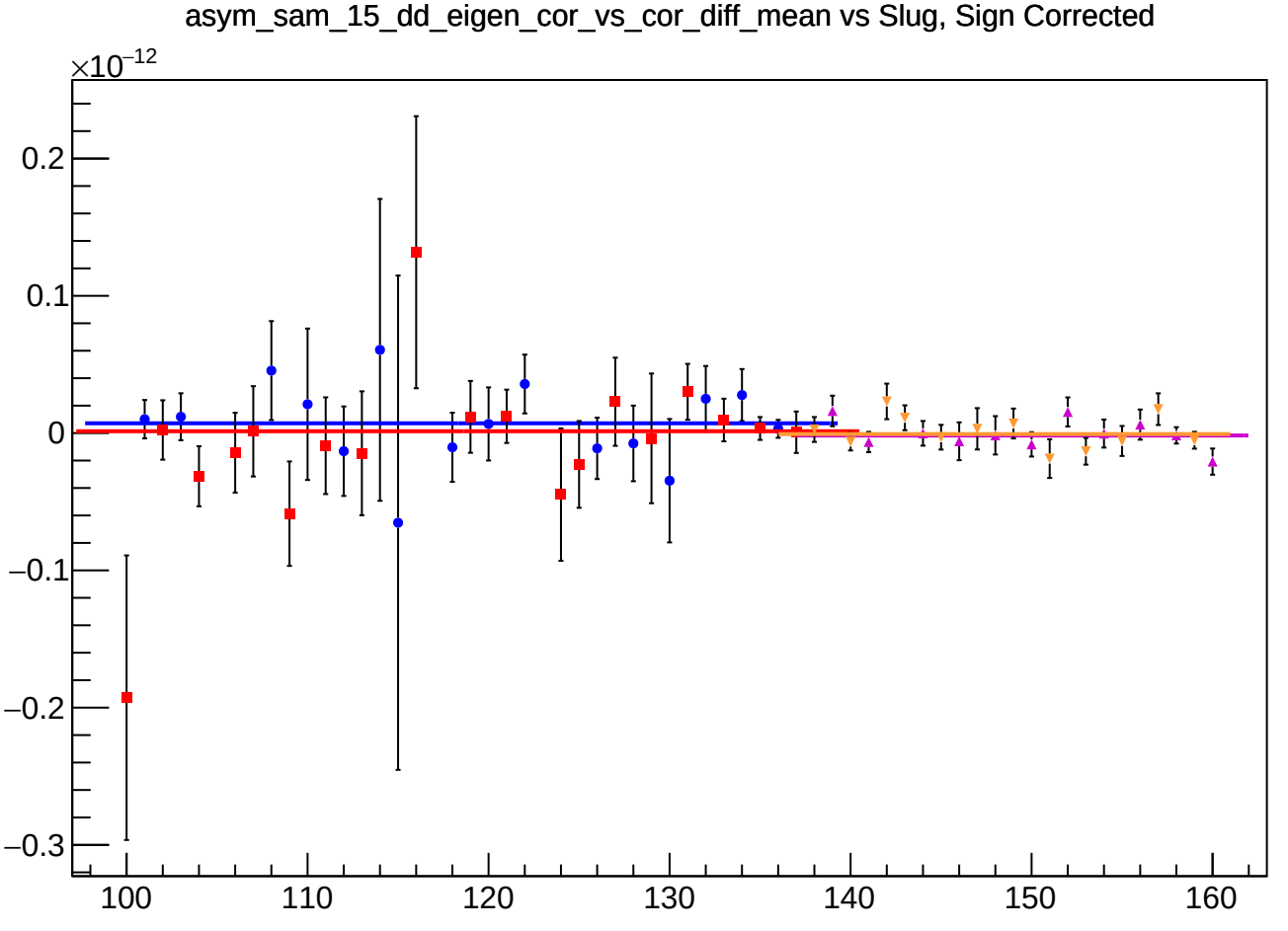
Left: 31.421+/-0.005 χ^2/NDF: 791677.3/22

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.300+/-0.005 χ^2/NDF:1711918.6/26

Out: 29.537+/-0.005 χ^2/NDF:1276127.2/30

All: 29.419+/-0.004 χ^2/NDF: 2989076.4/57



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:10.8/10

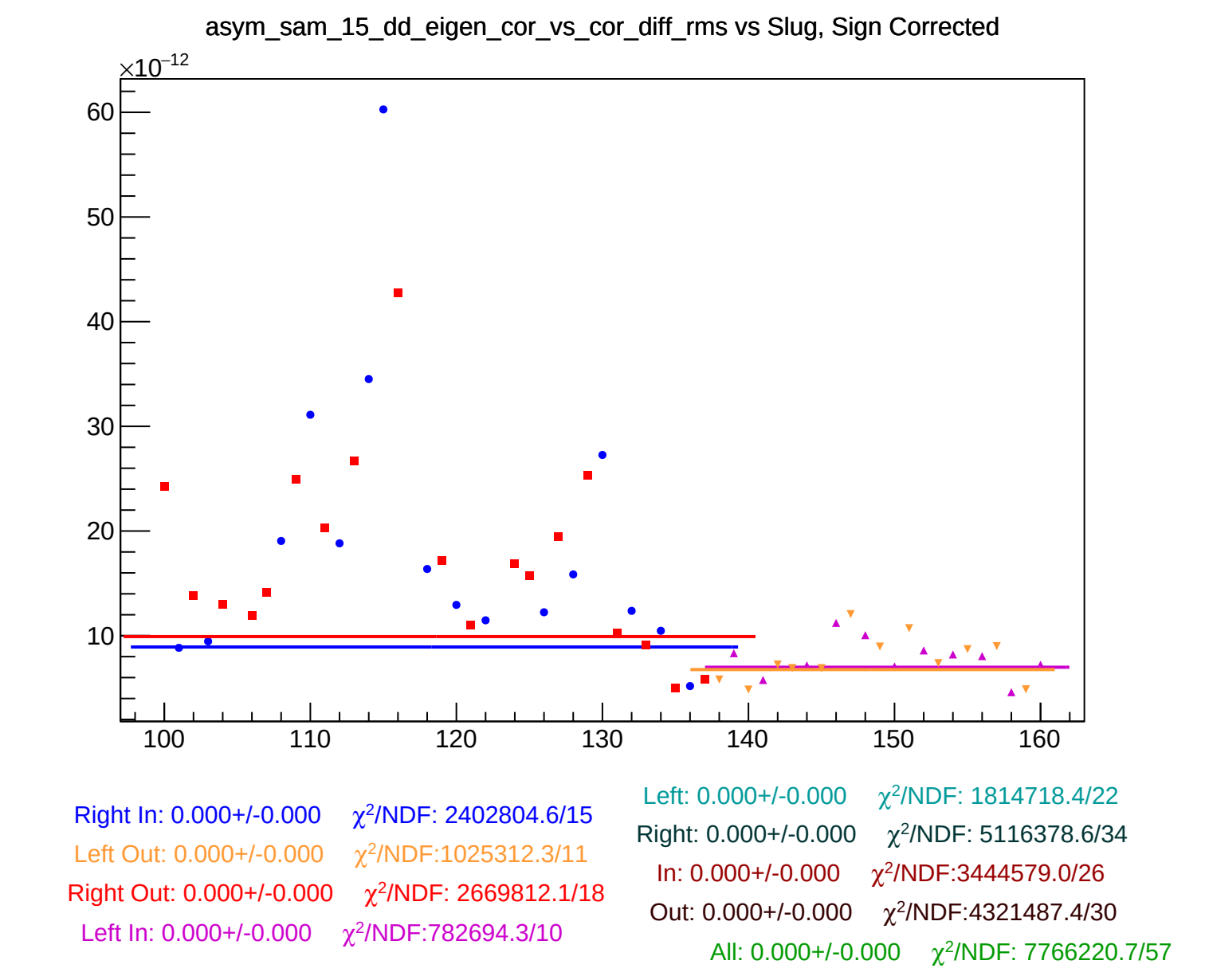
Left: -0.000+/-0.000 χ^2/NDF: 24.0/22

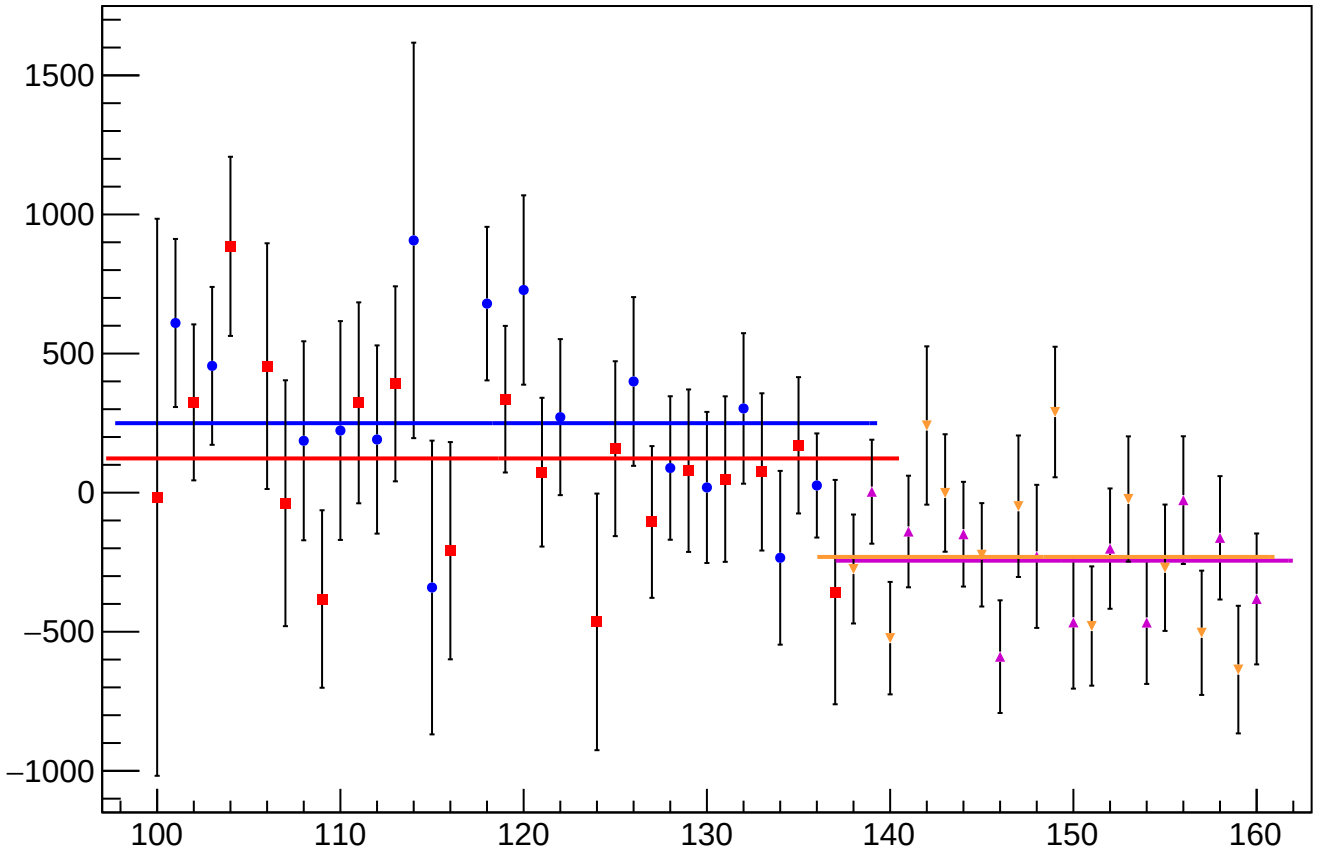
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:21.9/26

Out: -0.000+/-0.000 χ^2/NDF:28.5/30

All: 0.000+/-0.000 χ^2/NDF: 50.4/57


asym_sam_15_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: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1025312.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:782694.3/10
Left: 0.000+/-0.000 χ²/NDF: 1814718.4/22
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3444579.0/26
Out: 0.000+/-0.000 χ²/NDF:4321487.4/30
All: 0.000+/-0.000 χ²/NDF: 7766220.7/57



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: -244.539+/-64.811 χ^2/NDF:8.5/10

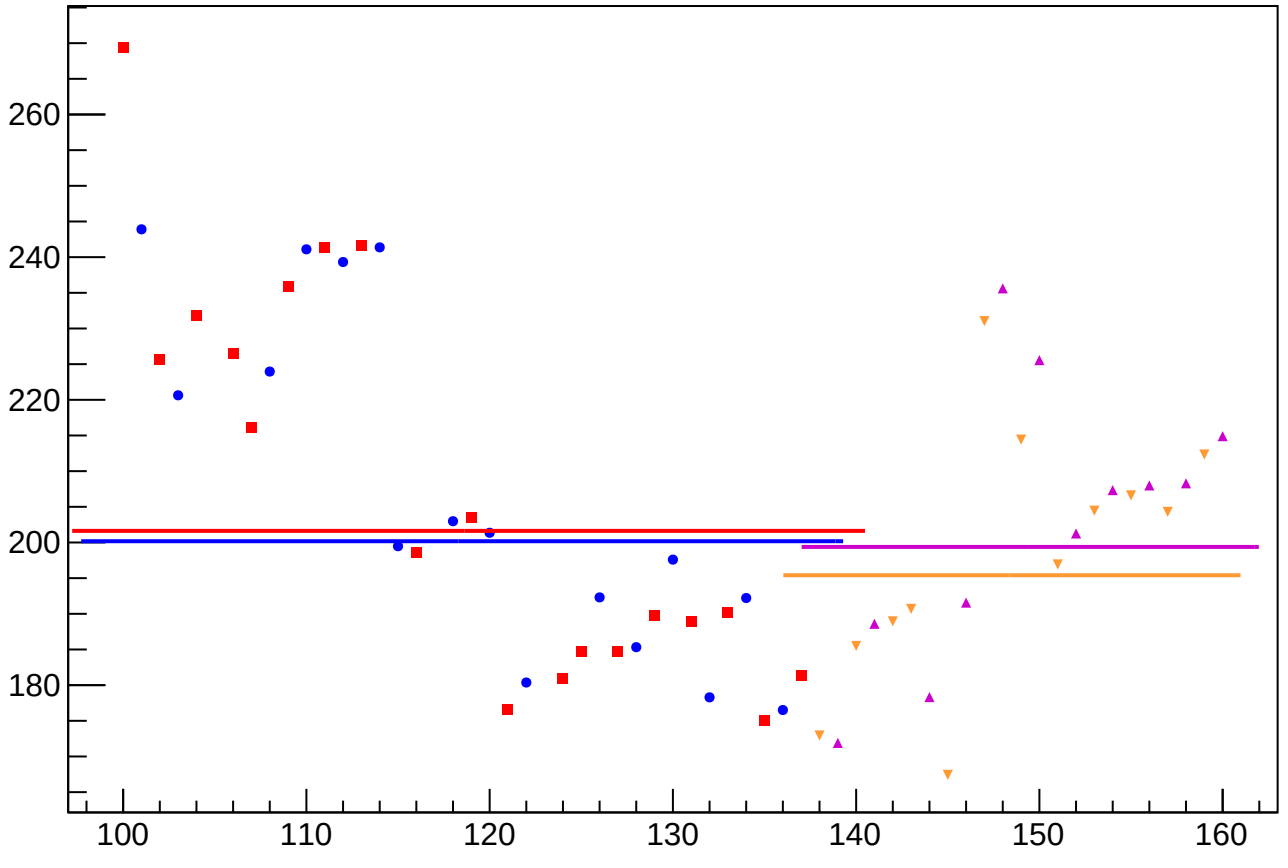
Left: -237.662+/-45.366 χ^2/NDF: 26.9/22

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -32.824+/-49.004 χ^2/NDF:47.2/26

Out: -81.715+/-48.301 χ^2/NDF:47.0/30

All: -57.622+/-34.400 χ^2/NDF: 94.7/57



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: 199.376+/-0.046 χ^2/NDF:158388.6/10

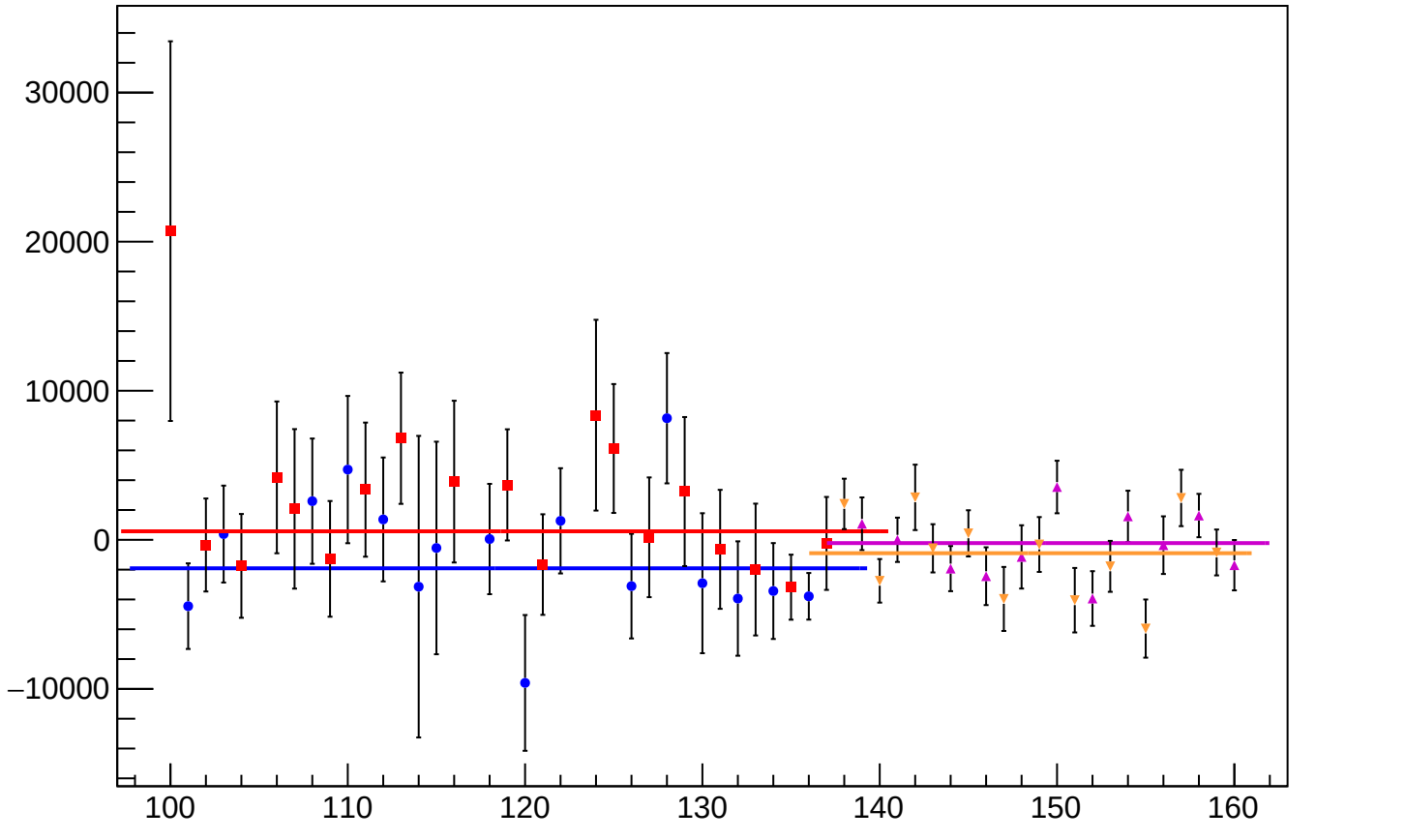
Left: 197.352+/-0.032 χ^2/NDF: 315342.1/22

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.719+/-0.035 χ^2/NDF:339520.7/26

Out: 198.032+/-0.034 χ^2/NDF:358461.1/30

All: 198.863+/-0.024 χ^2/NDF: 699184.9/57



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -896.581+/-509.148 χ^2/NDF:24.2/11

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -219.168+/-516.839 χ^2/NDF:15.5/10

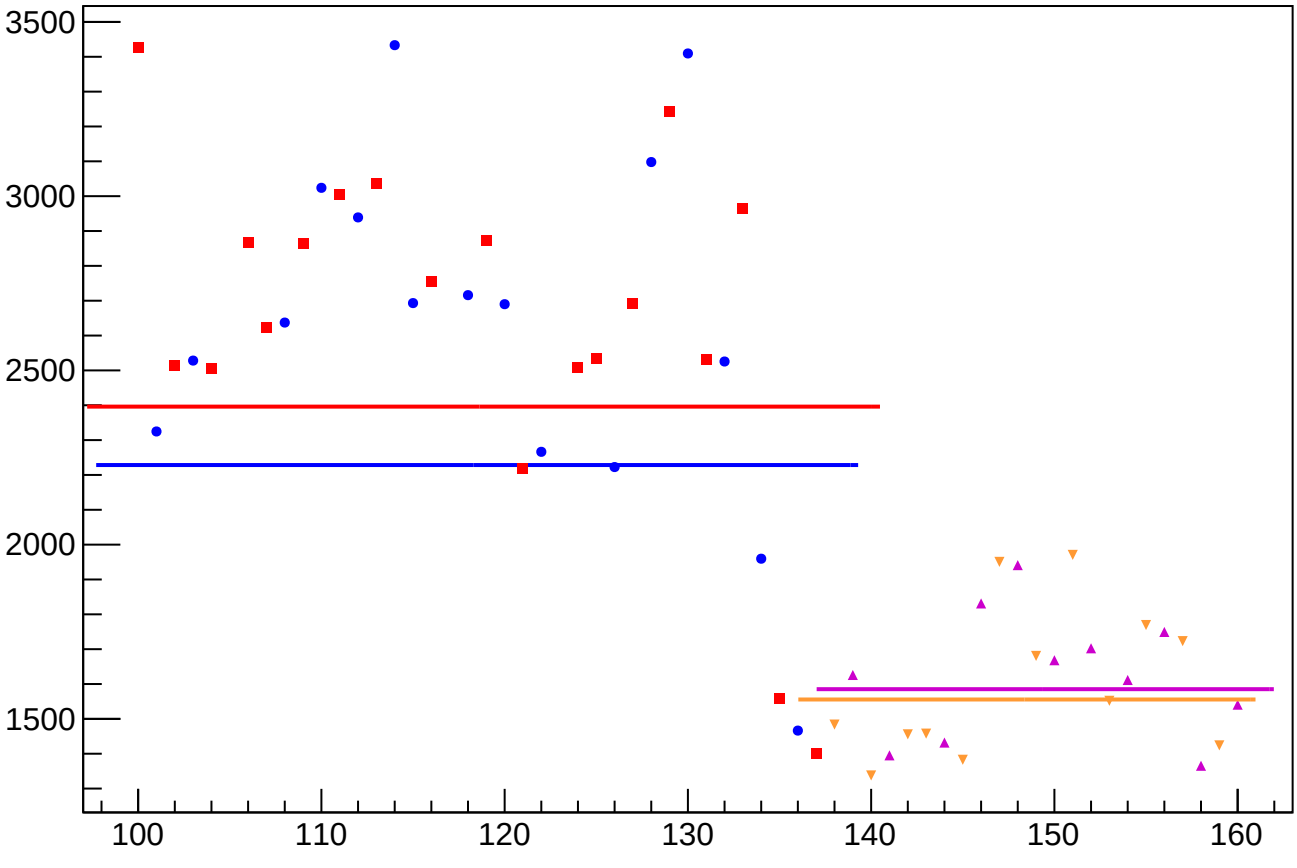
Left: -562.952+/-362.711 χ^2/NDF: 40.6/22

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -668.604+/-442.870 χ^2/NDF:34.6/26

Out: -541.054+/-443.204 χ^2/NDF:40.9/30

All: -604.877+/-313.274 χ^2/NDF: 75.5/57



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: 1585.233+/-0.365 χ^2/NDF:217161.2/10

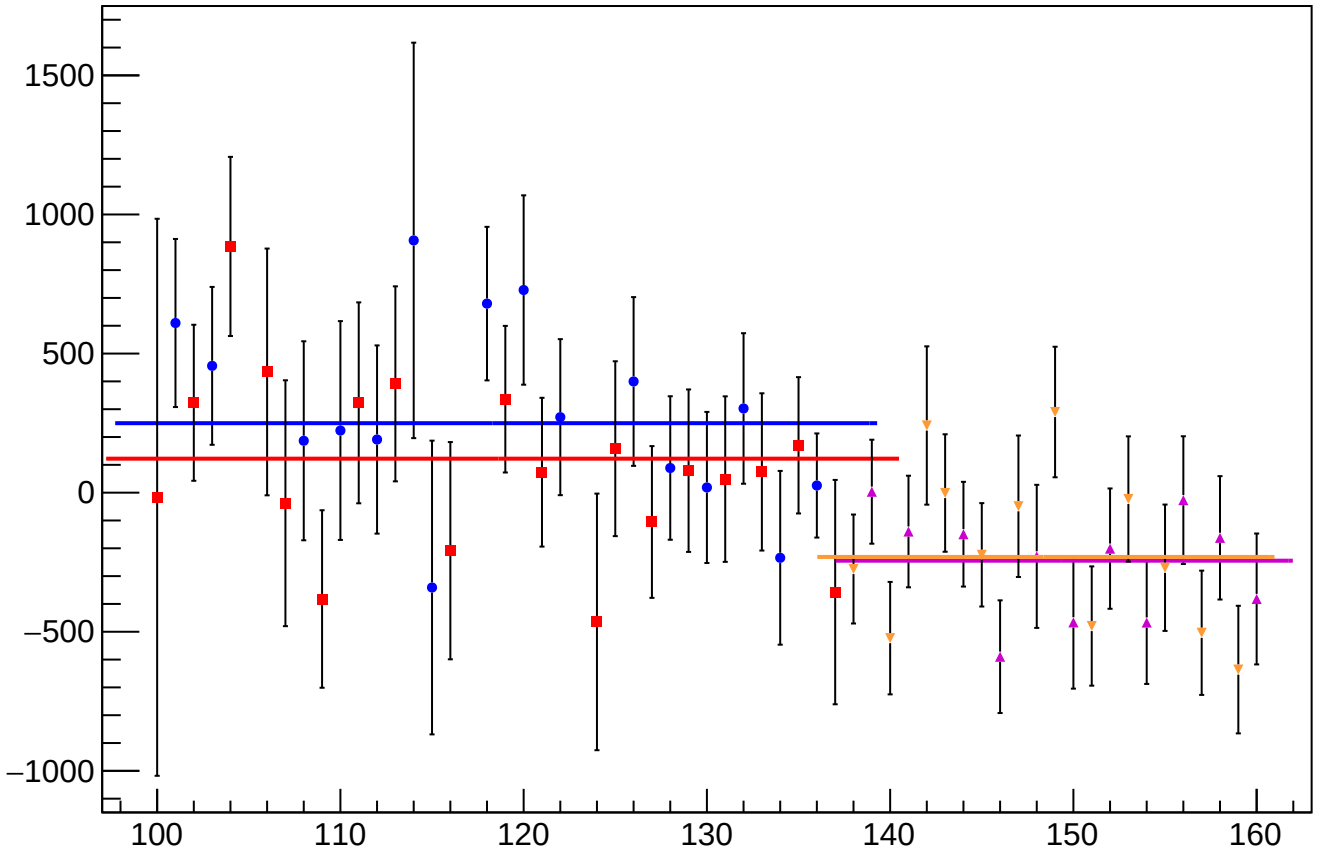
Left: 1570.203+/-0.256 χ^2/NDF: 509964.7/22

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1756.164+/-0.313 χ^2/NDF:1987982.3/26

Out: 1759.230+/-0.313 χ^2/NDF:2409188.8/30

All: 1757.696+/-0.222 χ^2/NDF: 4397219.0/57



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: -244.542+/-64.811 χ^2/NDF:8.5/10

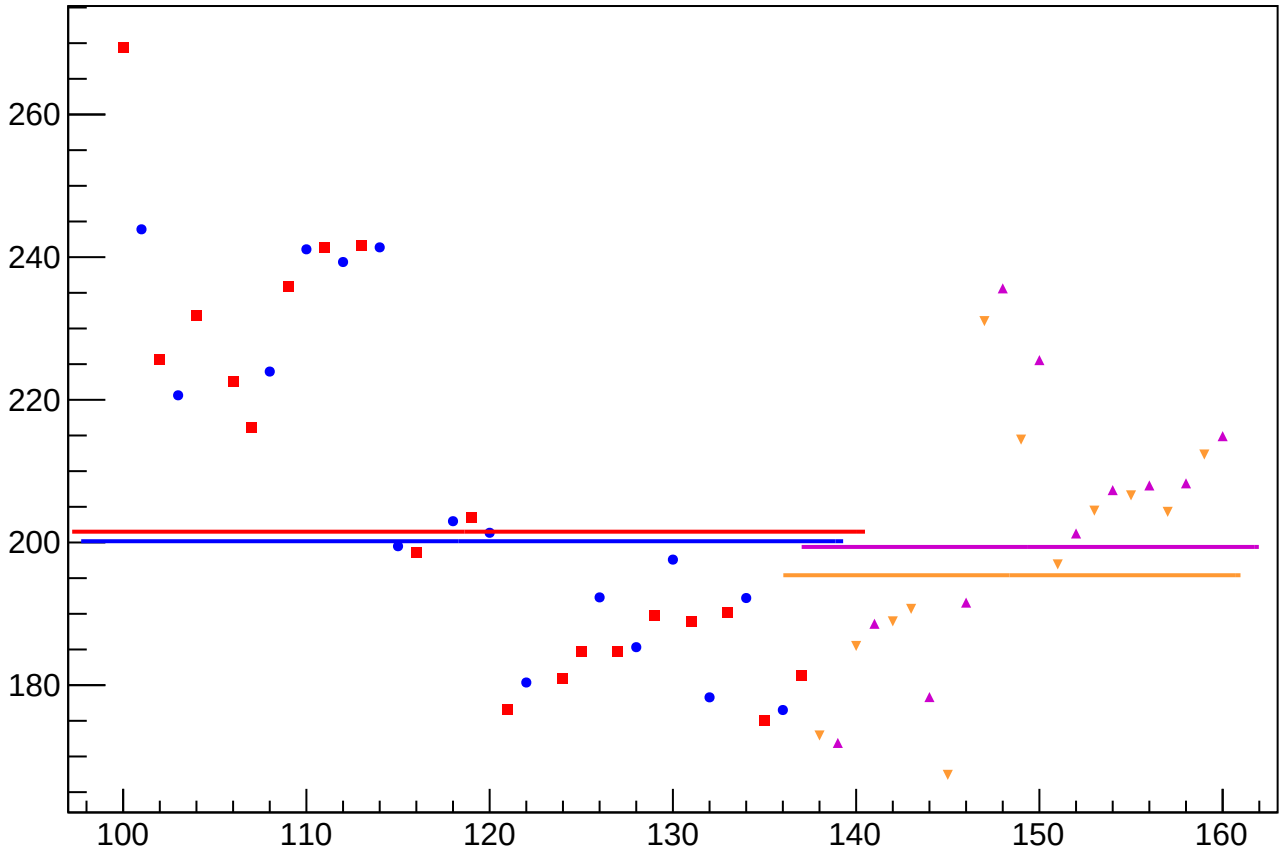
Left: -237.658+/-45.366 χ^2/NDF: 26.9/22

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -32.824+/-49.004 χ^2/NDF:47.2/26

Out: -82.062+/-48.304 χ^2/NDF:46.9/30

All: -57.797+/-34.401 χ^2/NDF: 94.5/57



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: 199.376+/-0.046 χ^2/NDF:158388.6/10

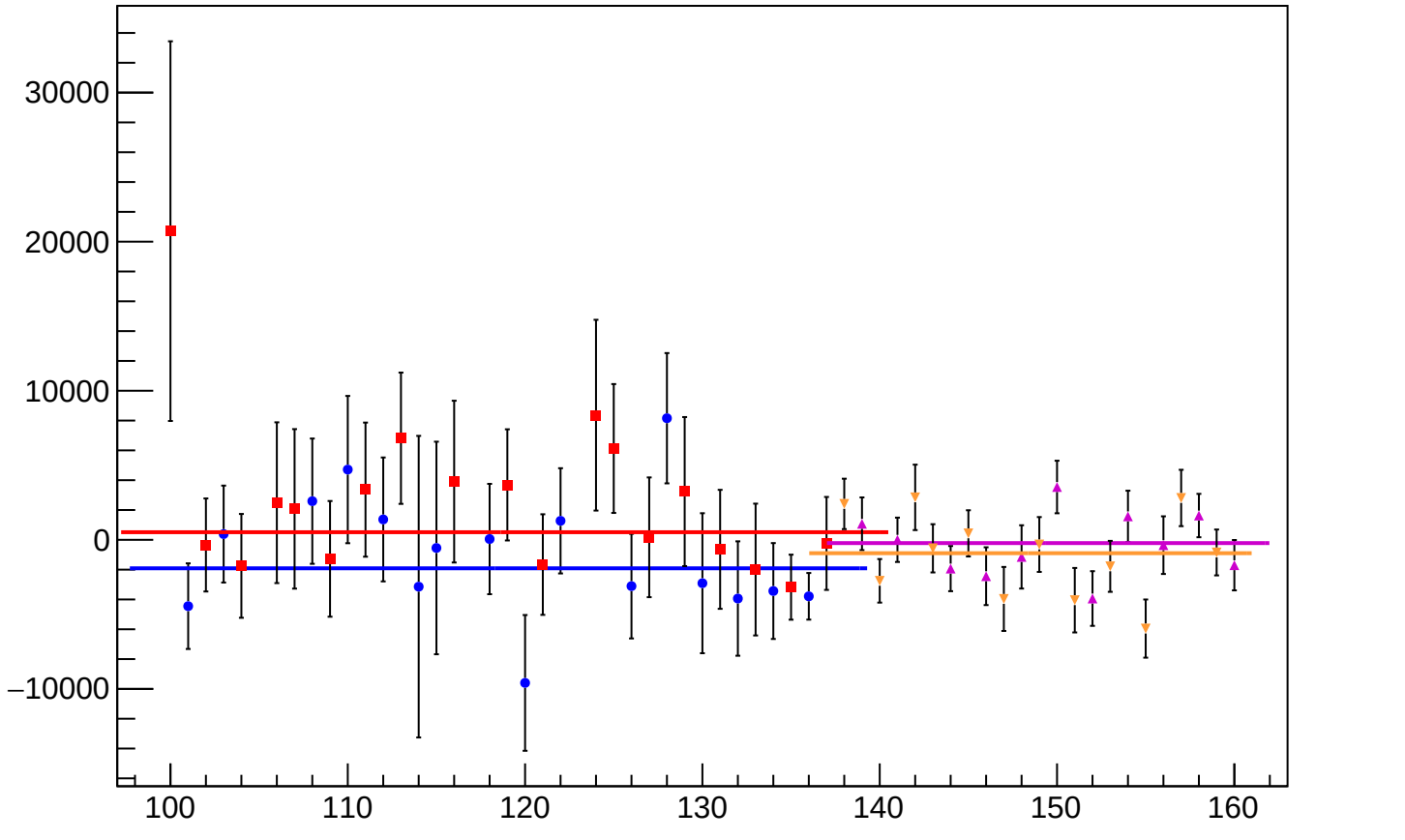
Left: 197.352+/-0.032 χ^2/NDF: 315342.1/22

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.719+/-0.035 χ^2/NDF:339521.0/26

Out: 197.984+/-0.034 χ^2/NDF:356354.7/30

All: 198.839+/-0.024 χ^2/NDF: 697148.2/57



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: -219.159+/-516.839 χ^2/NDF:15.5/10

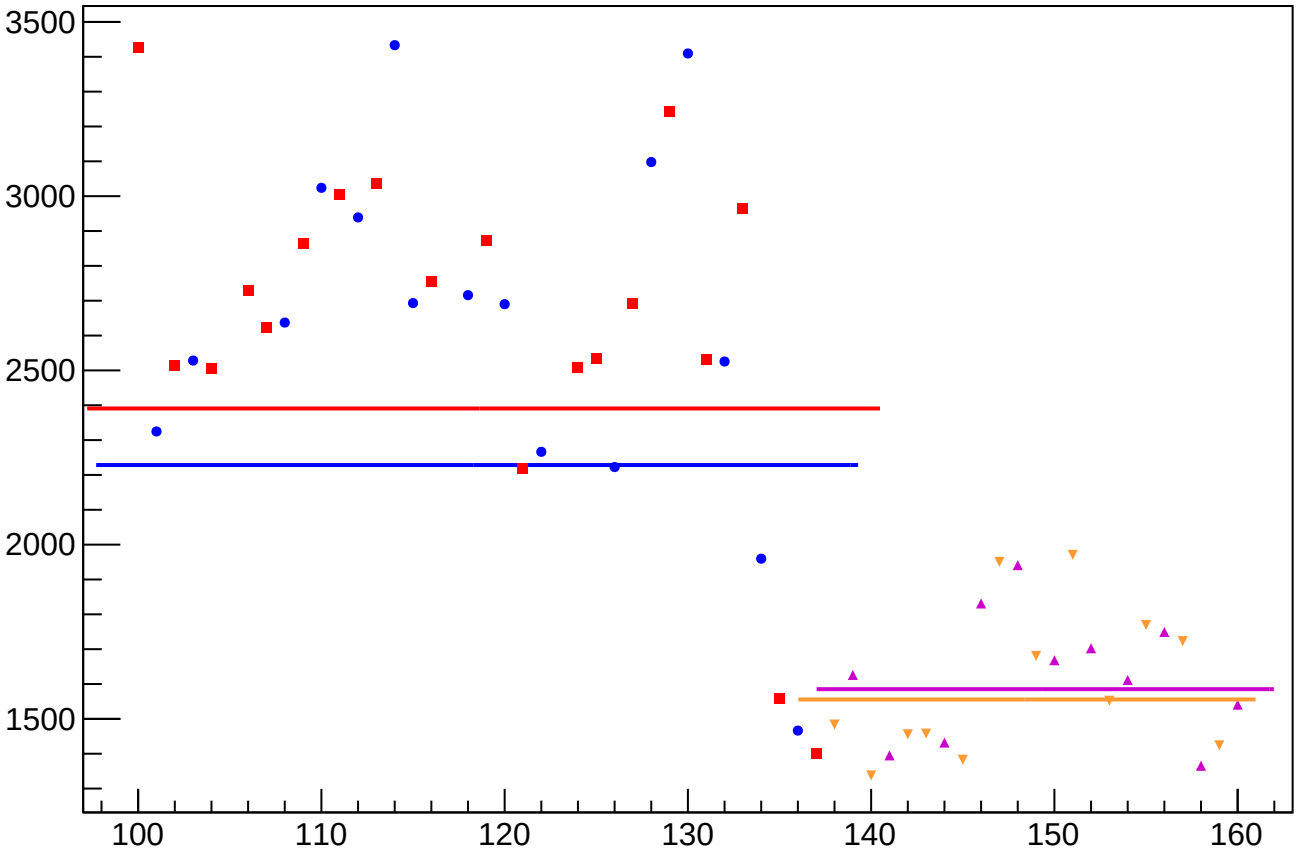
Left: -562.945+/-362.711 χ^2/NDF: 40.6/22

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -668.585+/-442.870 χ^2/NDF:34.6/26

Out: -556.402+/-443.390 χ^2/NDF:40.3/30

All: -612.559+/-313.340 χ^2/NDF: 74.9/57



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: 1585.233+/-0.365 χ^2/NDF:217161.3/10

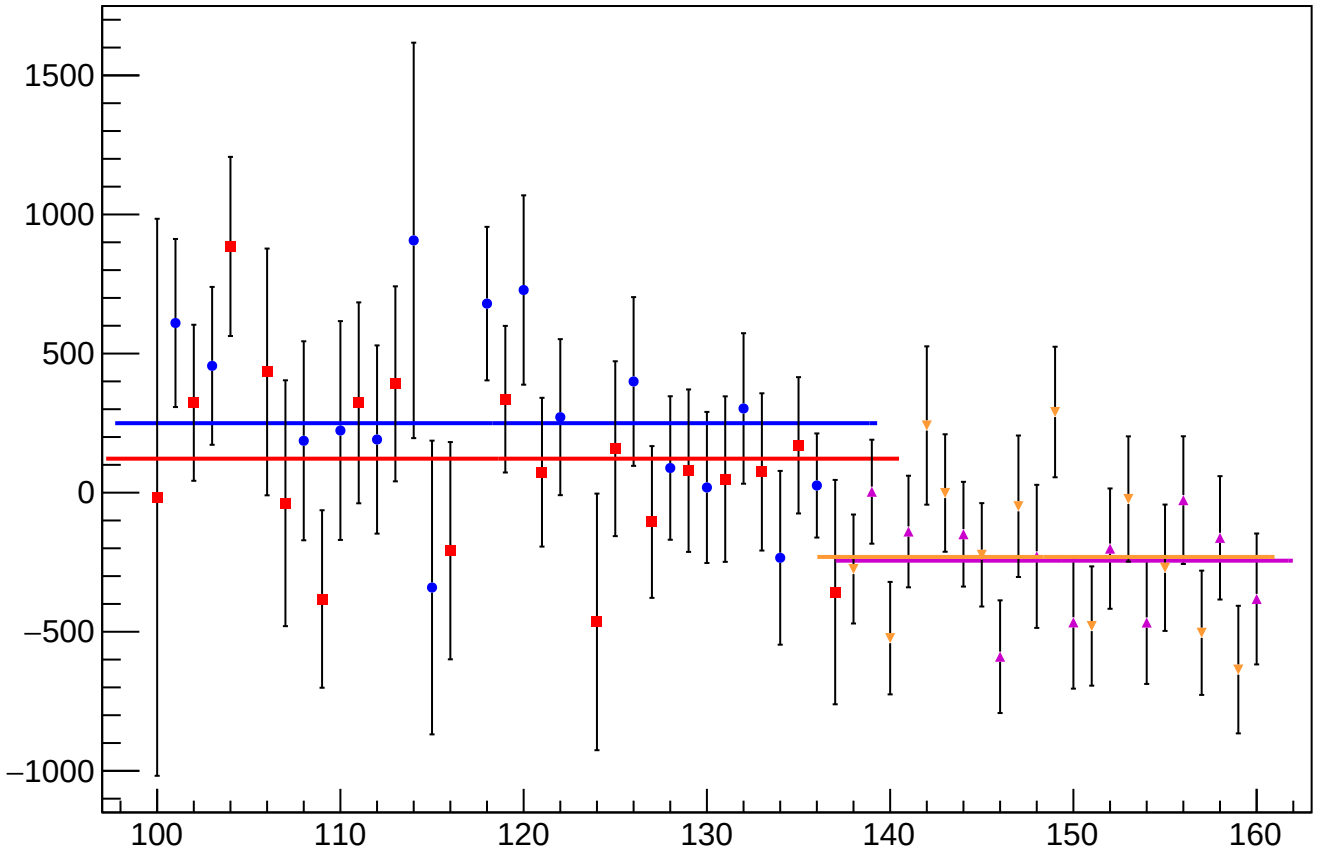
Left: 1570.204+/-0.256 χ^2/NDF: 509965.3/22

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1756.165+/-0.313 χ^2/NDF:1987992.6/26

Out: 1757.403+/-0.314 χ^2/NDF:2379576.3/30

All: 1756.784+/-0.222 χ^2/NDF: 4367576.6/57



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: -244.542+/-64.811 χ^2/NDF:8.5/10

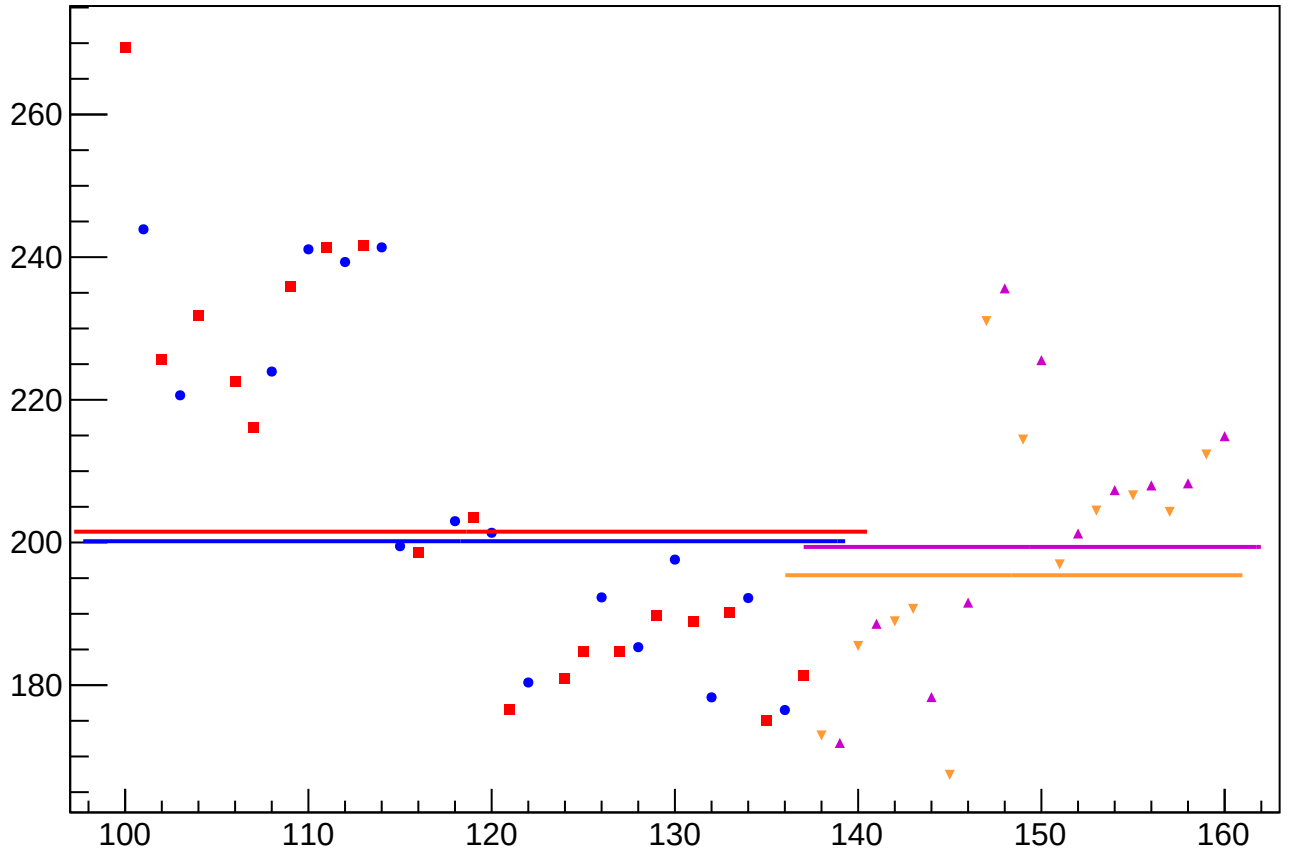
Left: -237.658+/-45.366 χ^2/NDF: 26.9/22

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -32.824+/-49.004 χ^2/NDF:47.2/26

Out: -82.062+/-48.304 χ^2/NDF:46.9/30

All: -57.797+/-34.401 χ^2/NDF: 94.5/57



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: 199.376+/-0.046 χ^2/NDF:158388.6/10

Left: 197.352+/-0.032 χ^2/NDF: 315342.1/22

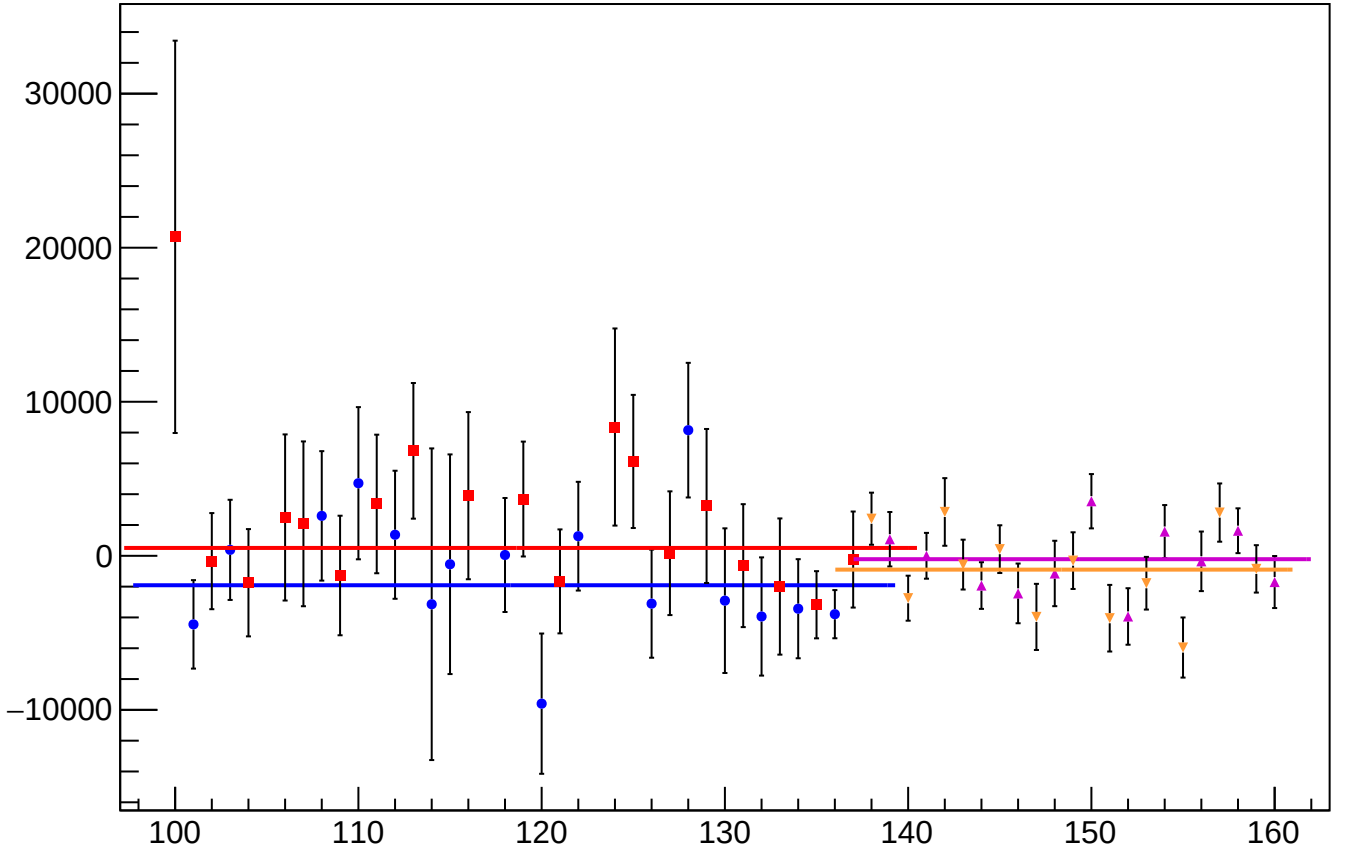
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.719+/-0.035 χ^2/NDF:339521.0/26

Out: 197.984+/-0.034 χ^2/NDF:356354.7/30

All: 198.839+/-0.024 χ^2/NDF: 697148.2/57

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: -219.159+/-516.839 χ^2/NDF:15.5/10

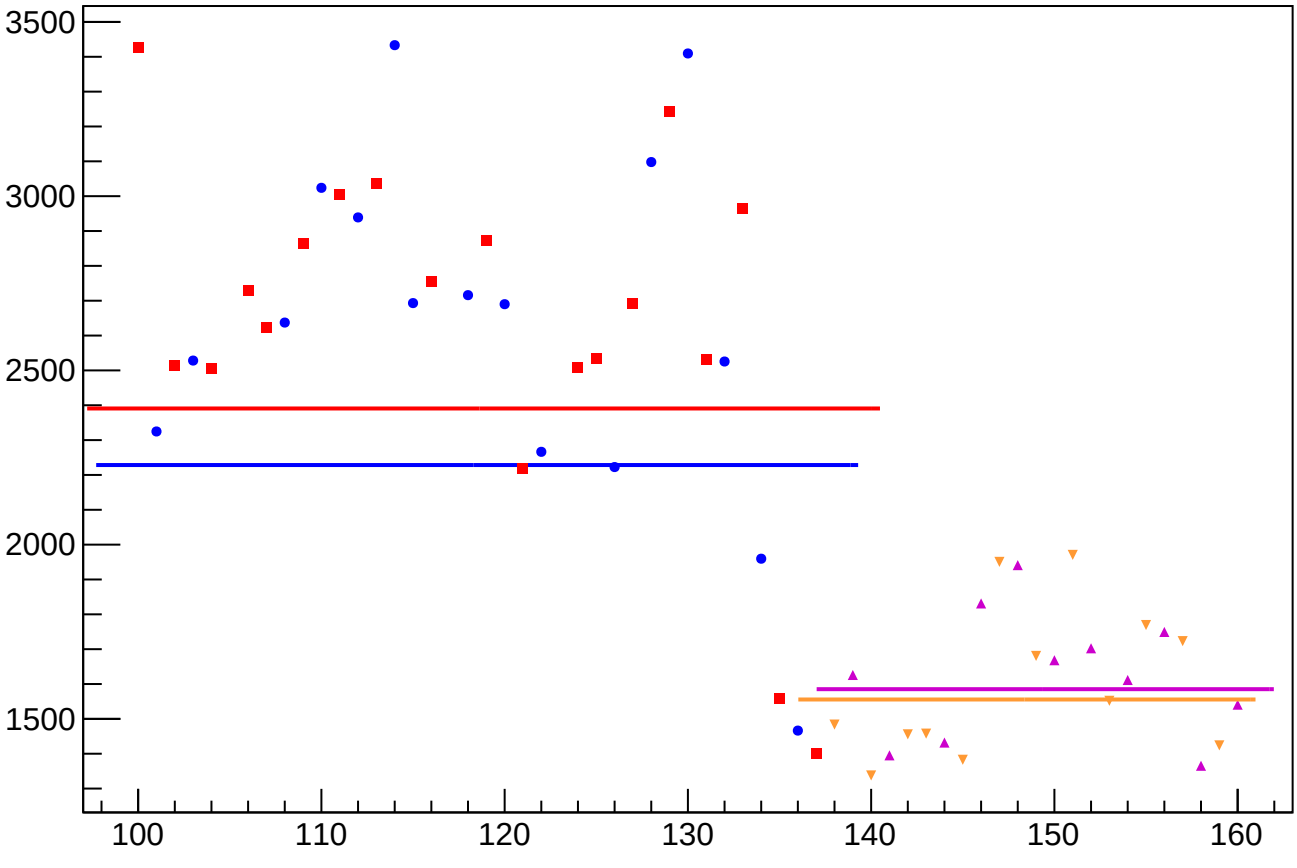
Left: -562.945+/-362.711 χ^2/NDF: 40.6/22

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -668.585+/-442.870 χ^2/NDF:34.6/26

Out: -556.402+/-443.390 χ^2/NDF:40.3/30

All: -612.559+/-313.340 χ^2/NDF: 74.9/57



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: 1585.233+/-0.365 χ^2/NDF:217161.3/10

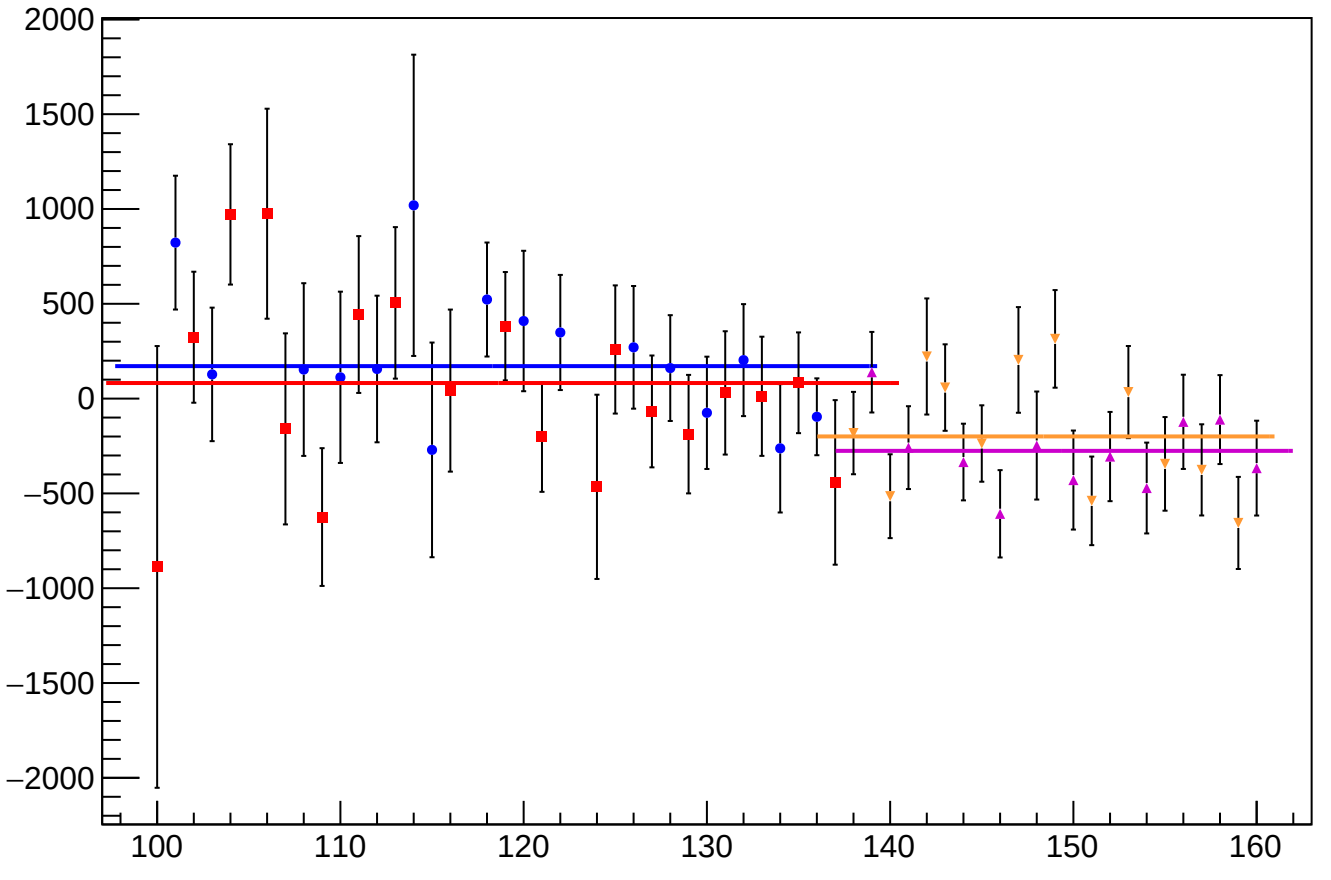
Left: 1570.204+/-0.256 χ^2/NDF: 509965.3/22

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1756.165+/-0.313 χ^2/NDF:1987992.6/26

Out: 1757.403+/-0.314 χ^2/NDF:2379576.3/30

All: 1756.784+/-0.222 χ^2/NDF: 4367576.6/57



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: -275.620+/-70.843 χ^2/NDF:8.0/10

Left: -236.571+/-49.427 χ^2/NDF: 27.4/22

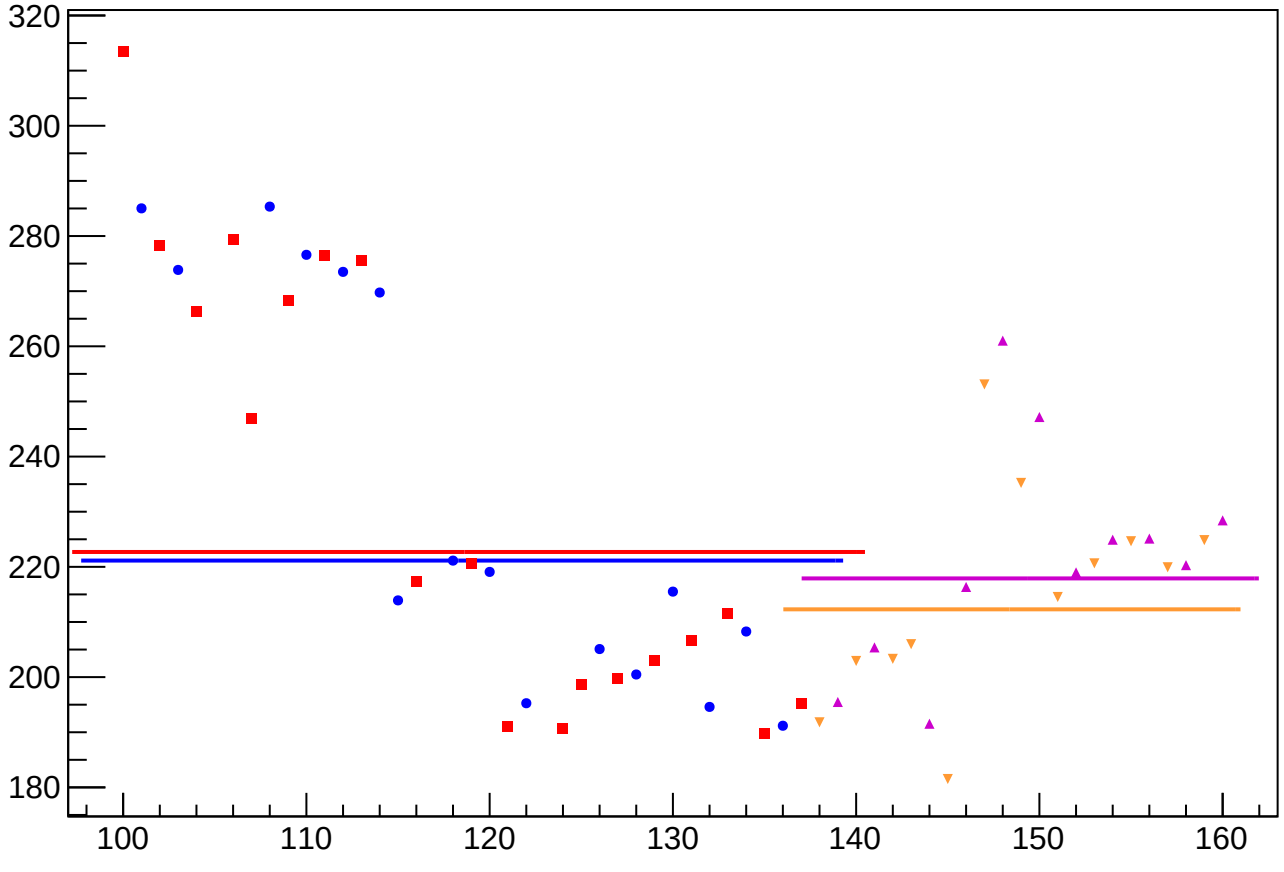
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -87.579+/-53.916 χ^2/NDF:36.3/26

Out: -83.677+/-52.938 χ^2/NDF:47.3/30

All: -85.592+/-37.774 χ^2/NDF: 83.5/57

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: 217.901+/-0.050 χ^2/NDF:141063.4/10

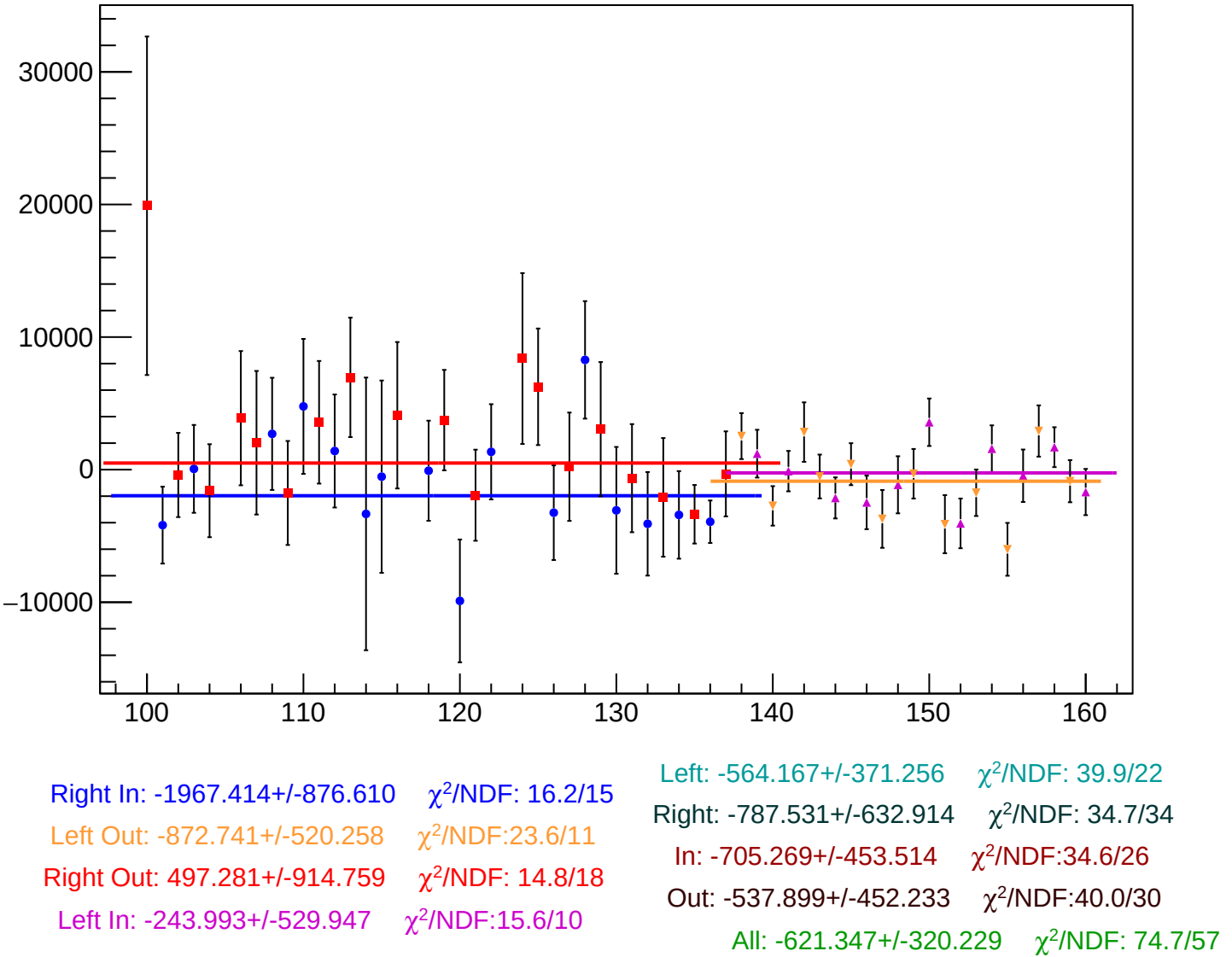
Left: 215.023+/-0.035 χ^2/NDF: 292424.5/22

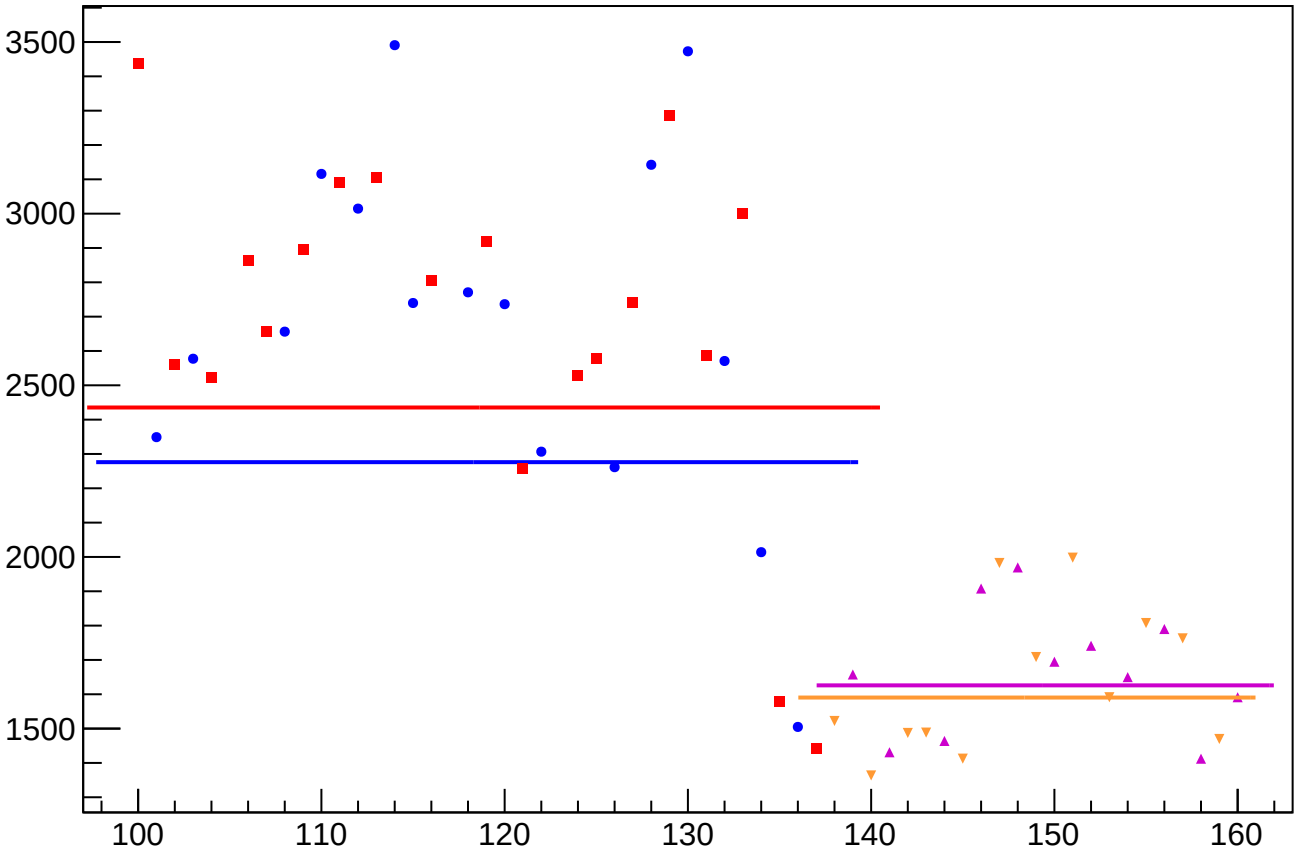
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.264+/-0.038 χ^2/NDF:461523.5/26

Out: 216.573+/-0.037 χ^2/NDF:490666.2/30

All: 217.893+/-0.027 χ^2/NDF: 954726.4/57


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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: -243.993+/-529.947 χ²/NDF:15.6/10
Left: -564.167+/-371.256 χ²/NDF: 39.9/22
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -705.269+/-453.514 χ²/NDF:34.6/26
Out: -537.899+/-452.233 χ²/NDF:40.0/30
All: -621.347+/-320.229 χ²/NDF: 74.7/57



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: 1625.936+/-0.375 χ^2/NDF:210838.8/10

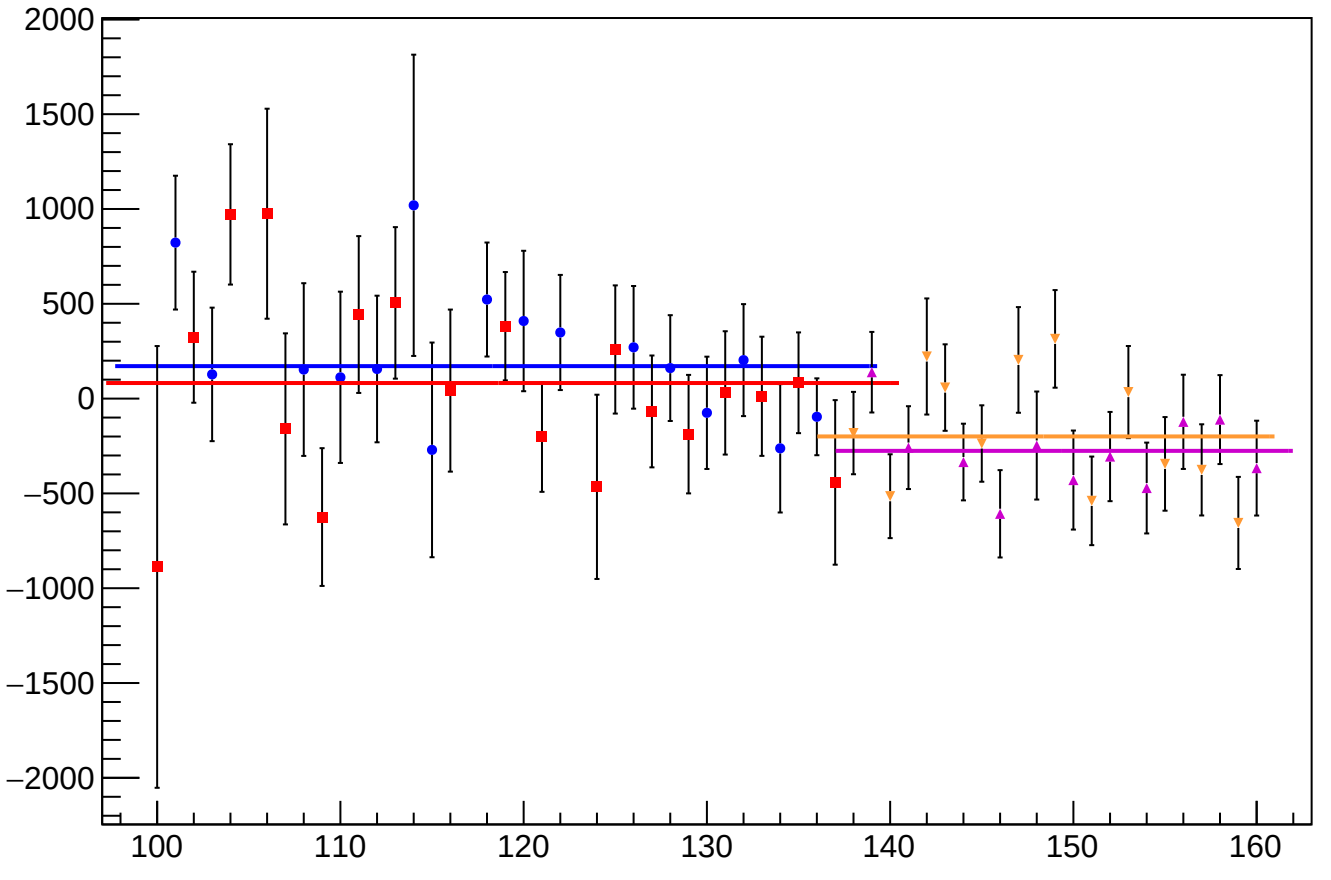
Left: 1607.869+/-0.263 χ^2/NDF: 495051.9/22

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1799.963+/-0.321 χ^2/NDF:1943620.8/26

Out: 1796.955+/-0.320 χ^2/NDF:2360342.1/30

All: 1798.455+/-0.226 χ^2/NDF: 4304007.1/57



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: -275.622+/-70.843 χ^2/NDF:8.0/10

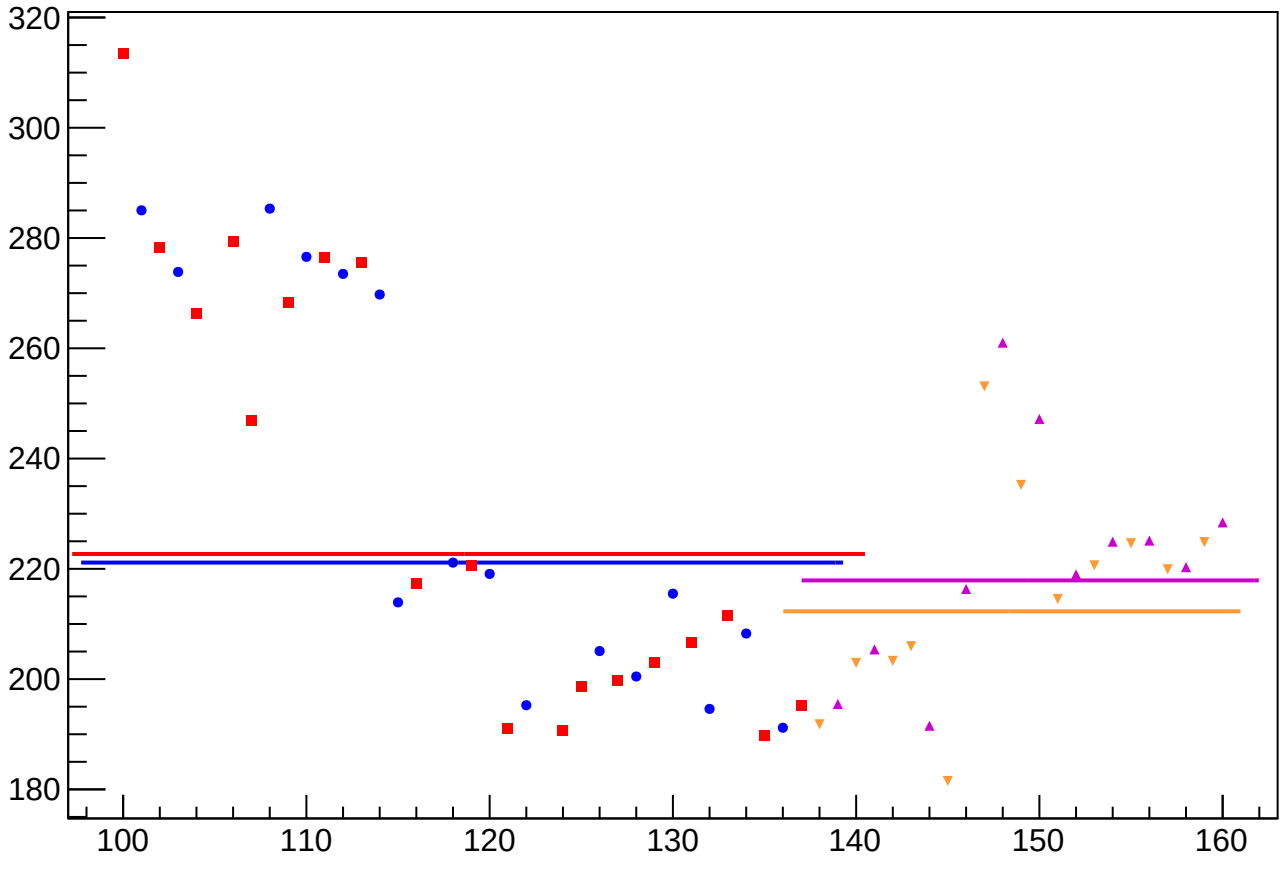
Left: -236.573+/-49.427 χ^2/NDF: 27.4/22

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -87.578+/-53.916 χ^2/NDF:36.3/26

Out: -83.678+/-52.938 χ^2/NDF:47.3/30

All: -85.592+/-37.774 χ^2/NDF: 83.5/57



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 212.293+/-0.049 χ^2/NDF:144934.1/11

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.901+/-0.050 χ^2/NDF:141065.2/10

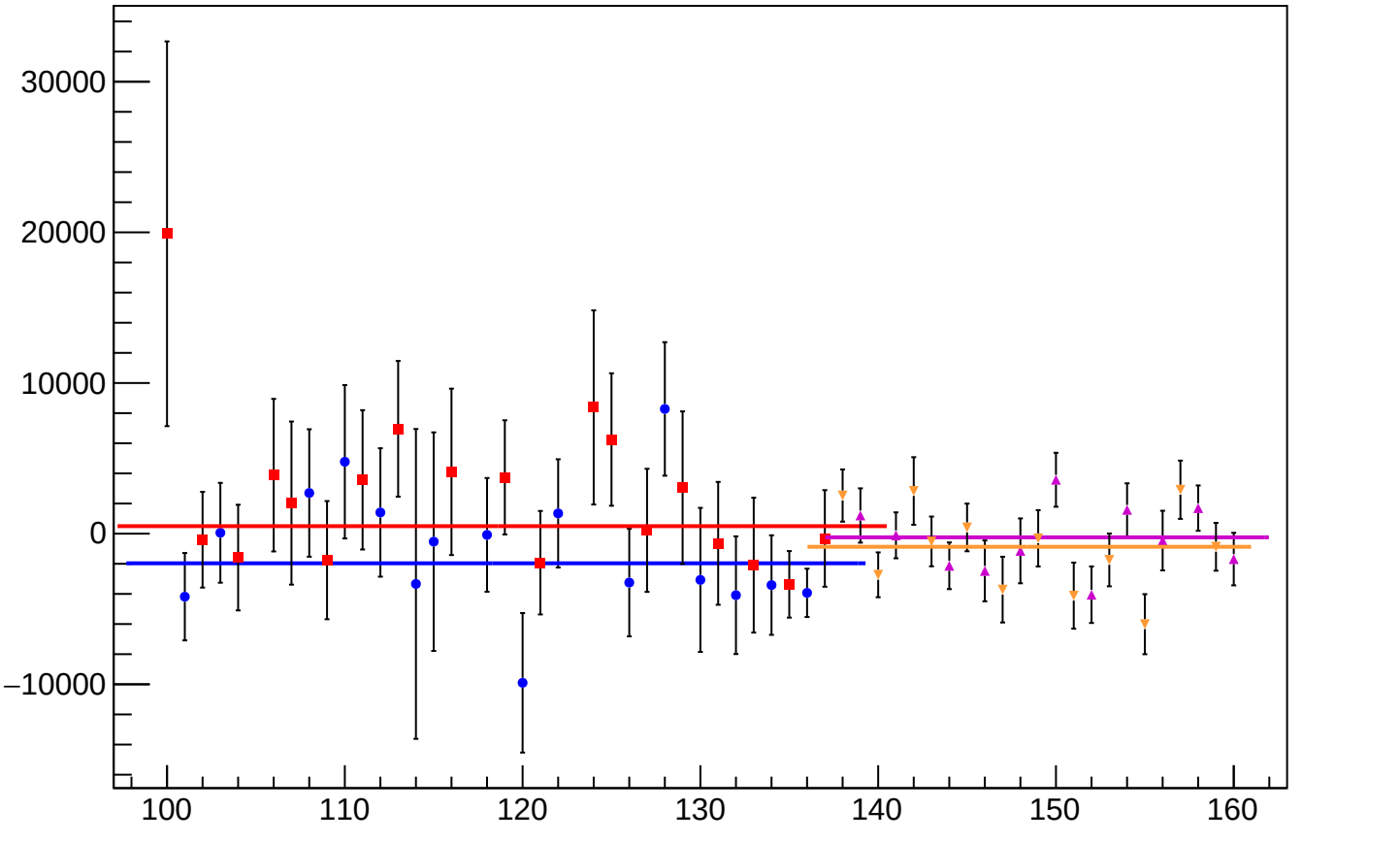
Left: 215.023+/-0.035 χ^2/NDF: 292429.9/22

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.263+/-0.038 χ^2/NDF:461519.2/26

Out: 216.572+/-0.037 χ^2/NDF:490660.2/30

All: 217.893+/-0.027 χ^2/NDF: 954715.7/57



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: -243.993+/-529.946 χ^2/NDF:15.6/10

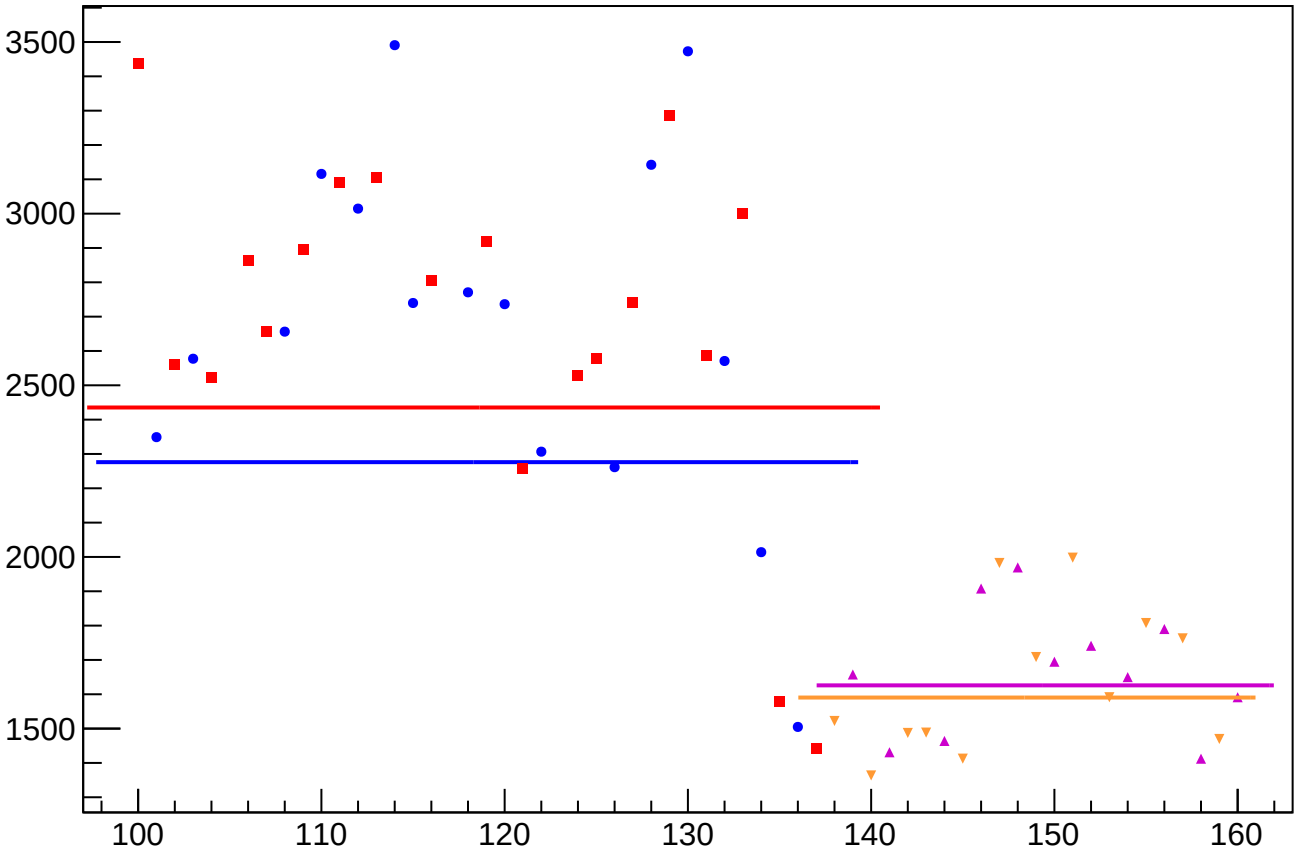
Left: -564.167+/-371.256 χ^2/NDF: 39.9/22

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -705.268+/-453.514 χ^2/NDF:34.6/26

Out: -537.897+/-452.233 χ^2/NDF:40.0/30

All: -621.346+/-320.229 χ^2/NDF: 74.7/57



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: 1625.936+/-0.375 χ^2/NDF:210840.3/10

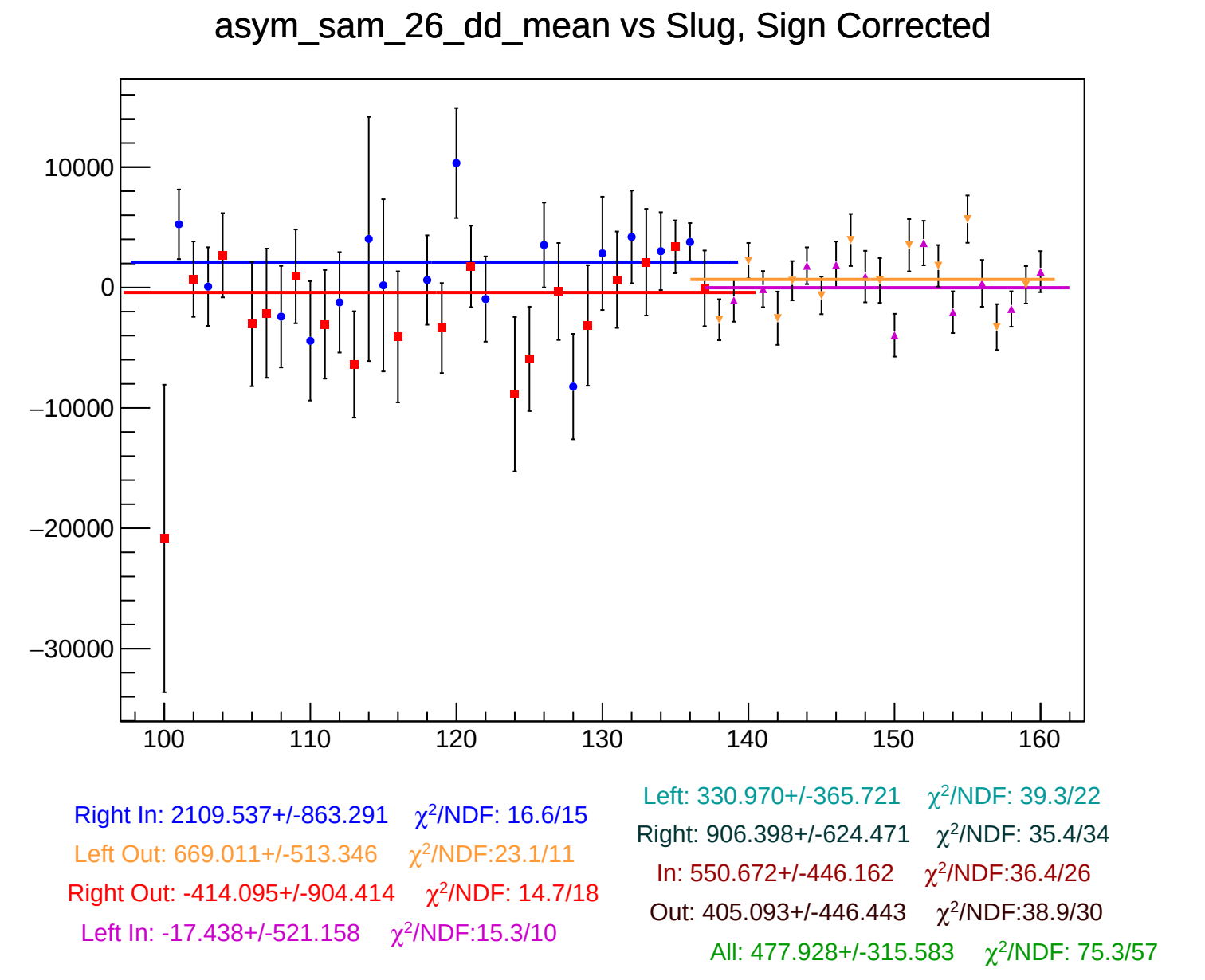
Left: 1607.869+/-0.263 χ^2/NDF: 495057.0/22

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

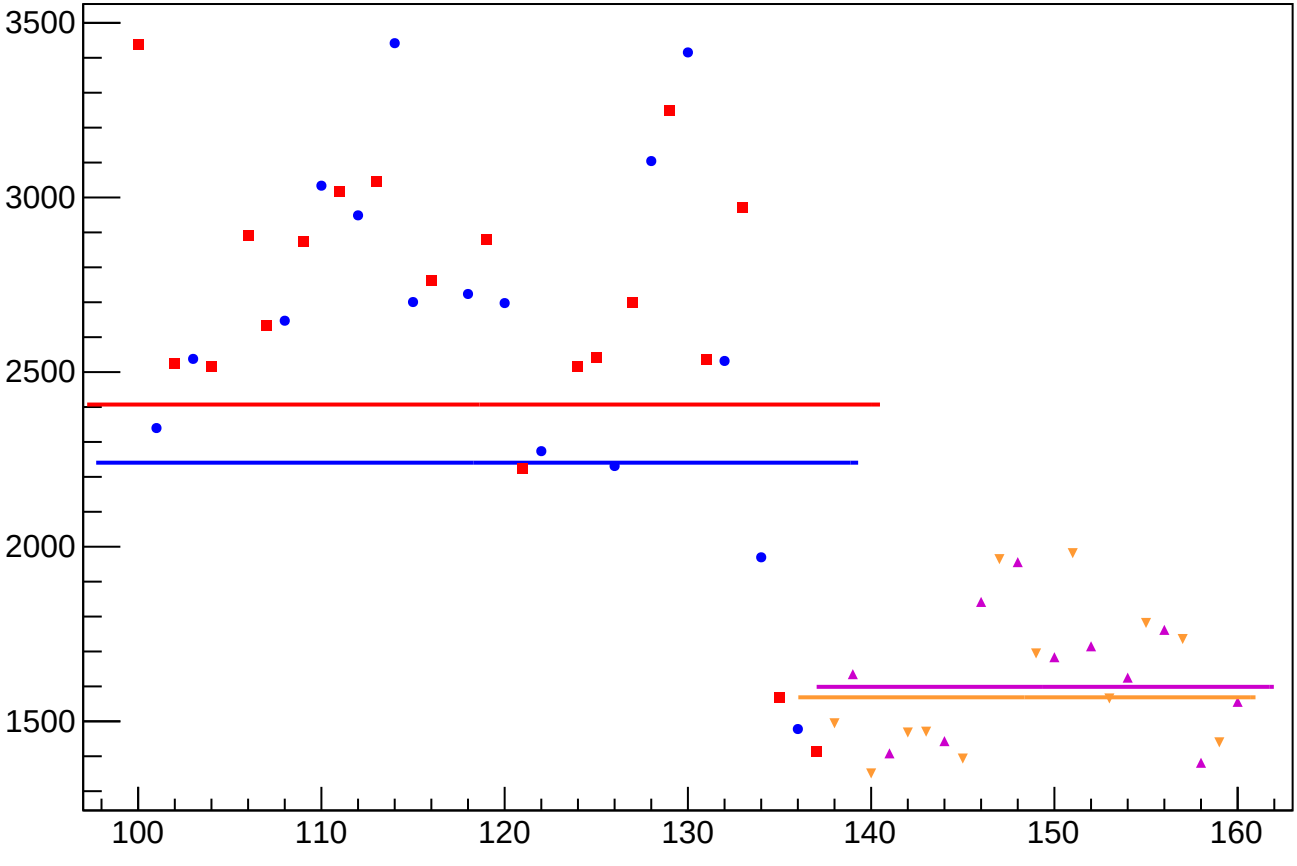
In: 1799.962+/-0.321 χ^2/NDF:1943608.9/26

Out: 1796.954+/-0.320 χ^2/NDF:2360333.9/30

All: 1798.454+/-0.226 χ^2/NDF: 4303986.9/57


asym_sam_26_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 2109.537+/-863.291 χ²/NDF: 16.6/15
Left Out: 669.011+/-513.346 χ²/NDF:23.1/11
Right Out: -414.095+/-904.414 χ²/NDF: 14.7/18
Left In: -17.438+/-521.158 χ²/NDF:15.3/10
Left: 330.970+/-365.721 χ²/NDF: 39.3/22
Right: 906.398+/-624.471 χ²/NDF: 35.4/34
In: 550.672+/-446.162 χ²/NDF:36.4/26
Out: 405.093+/-446.443 χ²/NDF:38.9/30
All: 477.928+/-315.583 χ²/NDF: 75.3/57

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: 1598.767+/-0.369 χ^2/NDF:212507.3/10

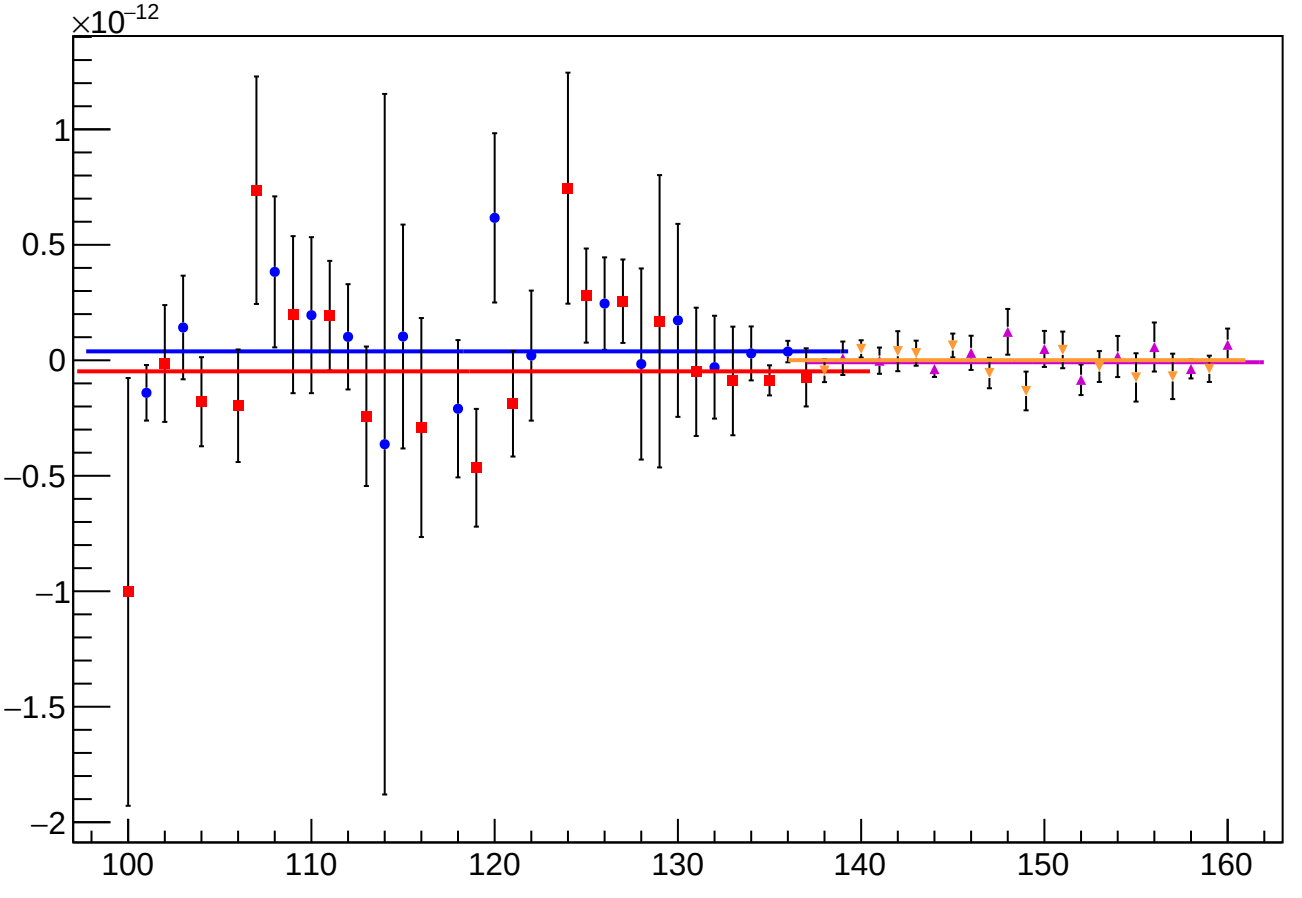
Left: 1583.545+/-0.259 χ^2/NDF: 500849.2/22

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1770.206+/-0.315 χ^2/NDF:1956388.2/26

Out: 1773.054+/-0.316 χ^2/NDF:2373698.9/30

All: 1771.629+/-0.223 χ^2/NDF: 4330127.8/57



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:6.9/10

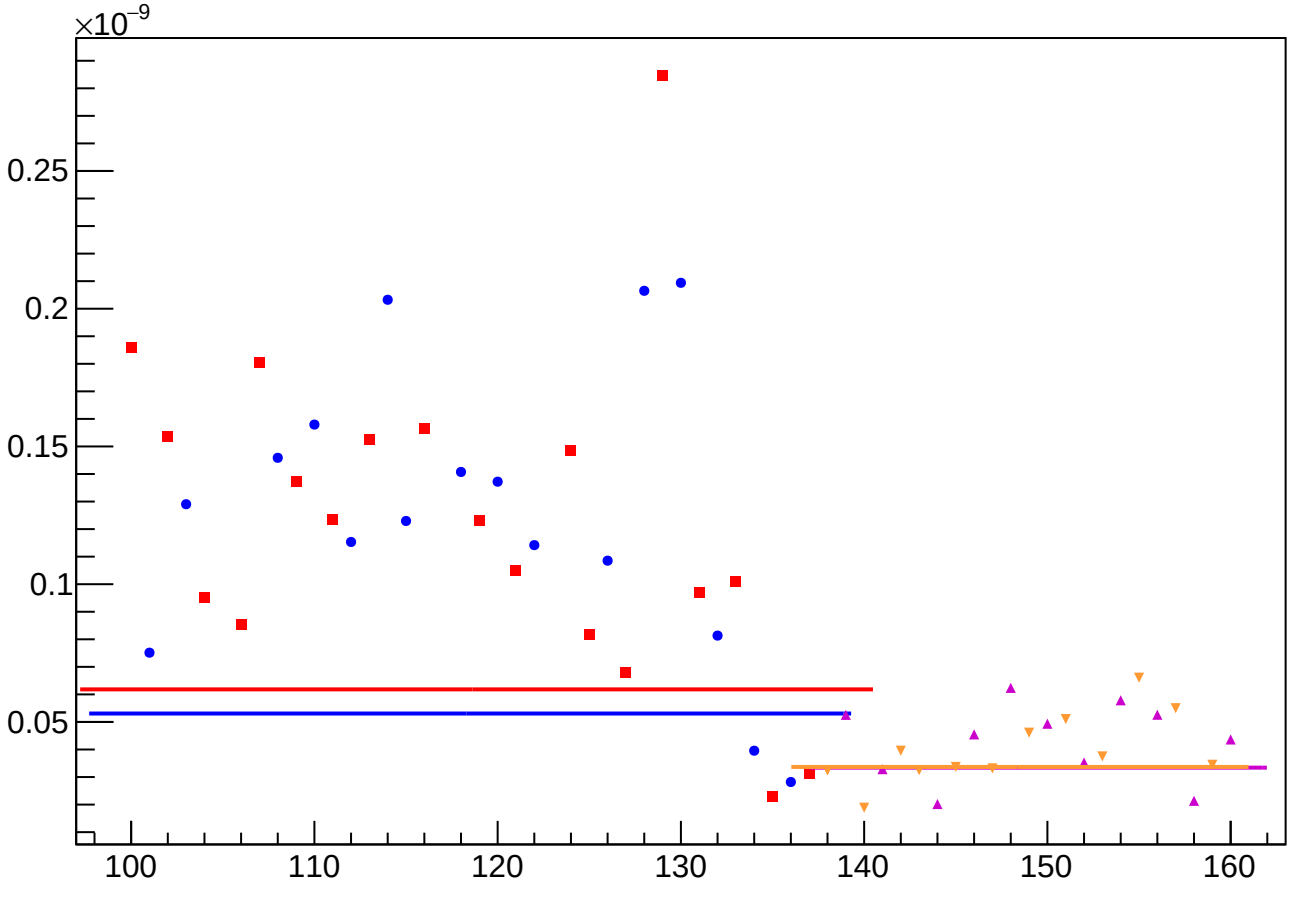
Left: -0.000+/-0.000 χ^2/NDF: 16.7/22

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:16.7/26

Out: -0.000+/-0.000 χ^2/NDF:29.0/30

All: -0.000+/-0.000 χ^2/NDF: 45.8/57



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:1182238.0/10

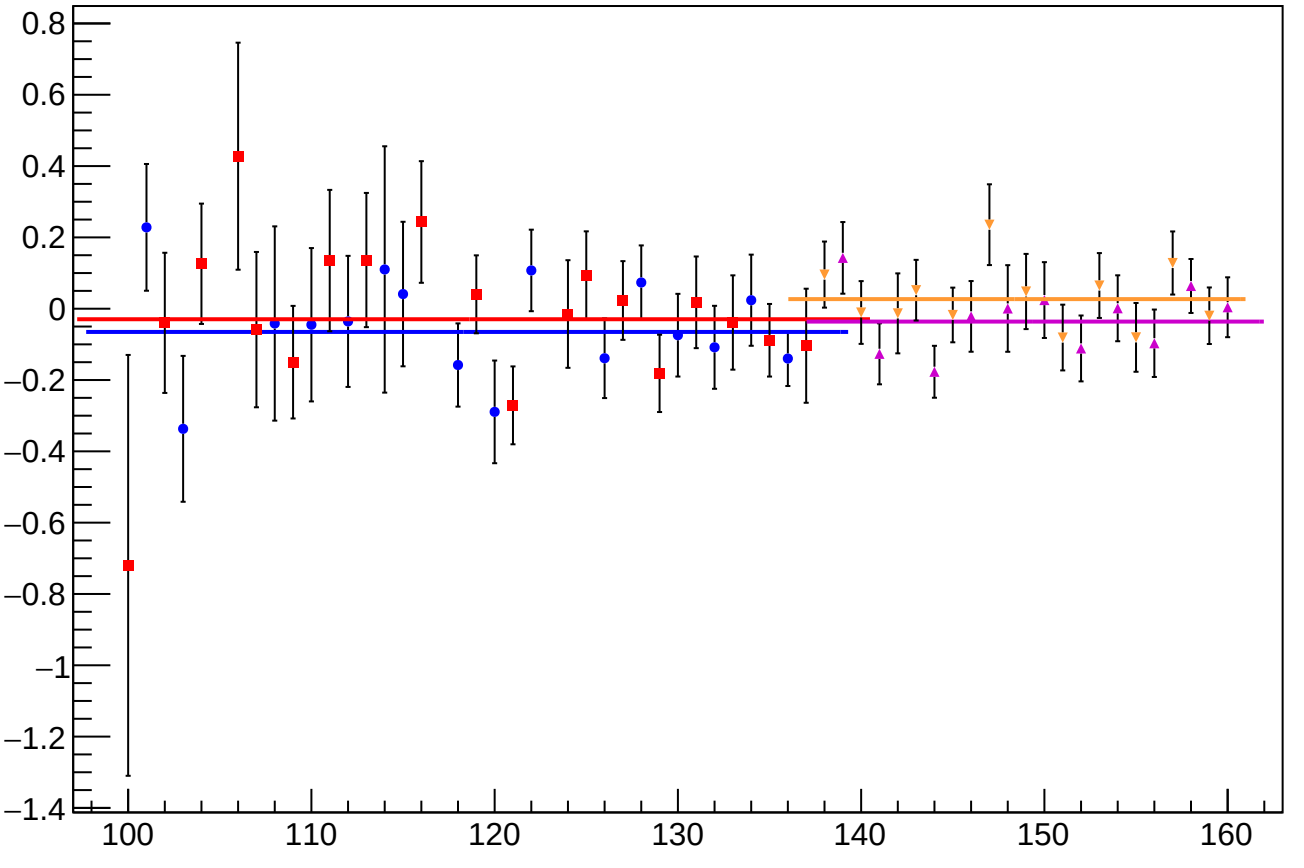
Left: 0.000+/-0.000 χ^2/NDF: 1939245.6/22

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4226850.4/26

Out: 0.000+/-0.000 χ^2/NDF:3897198.0/30

All: 0.000+/-0.000 χ^2/NDF: 8124508.6/57



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: -0.036+/-0.027 χ^2/NDF:11.7/10

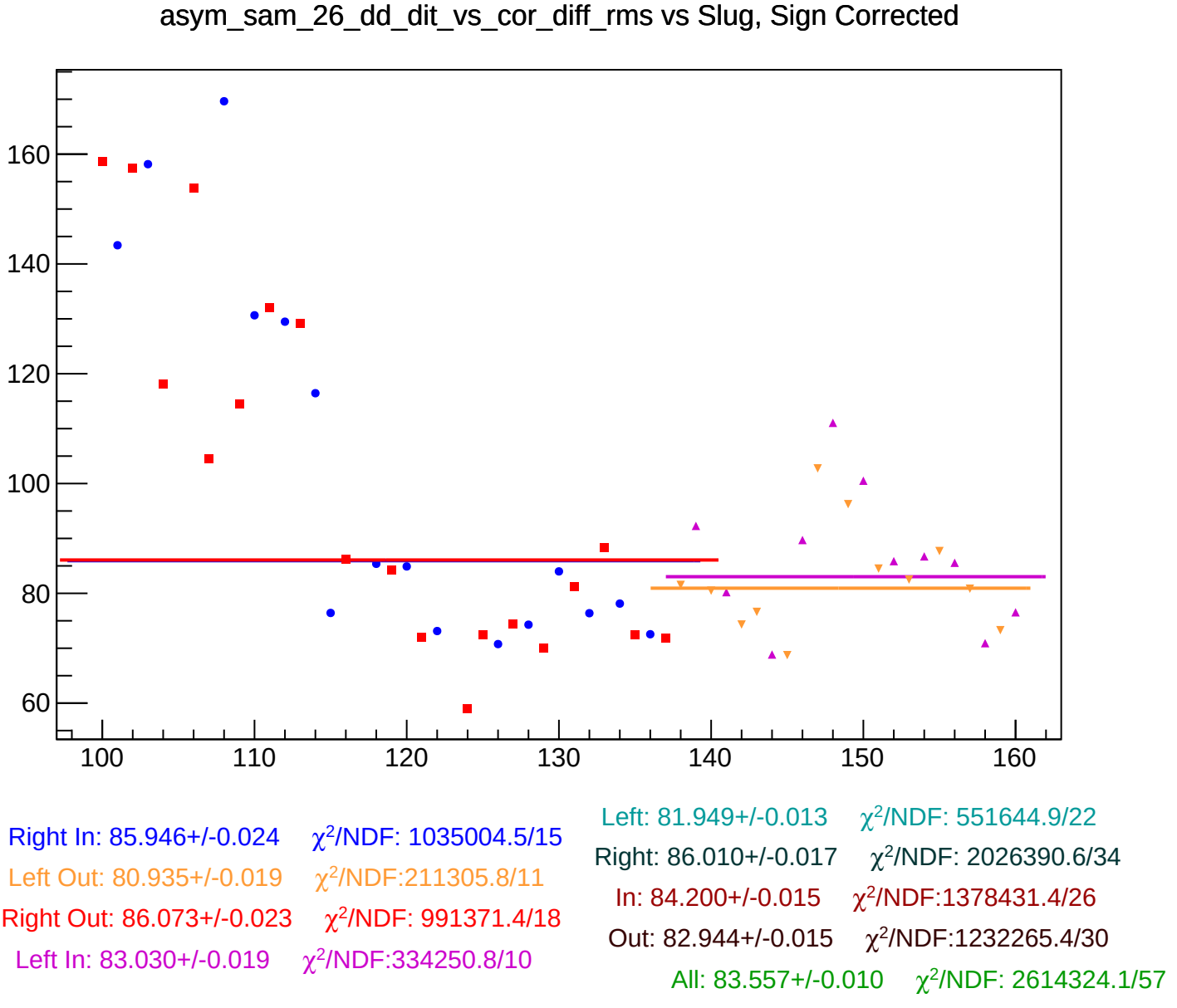
Left: -0.004+/-0.019 χ^2/NDF: 23.6/22

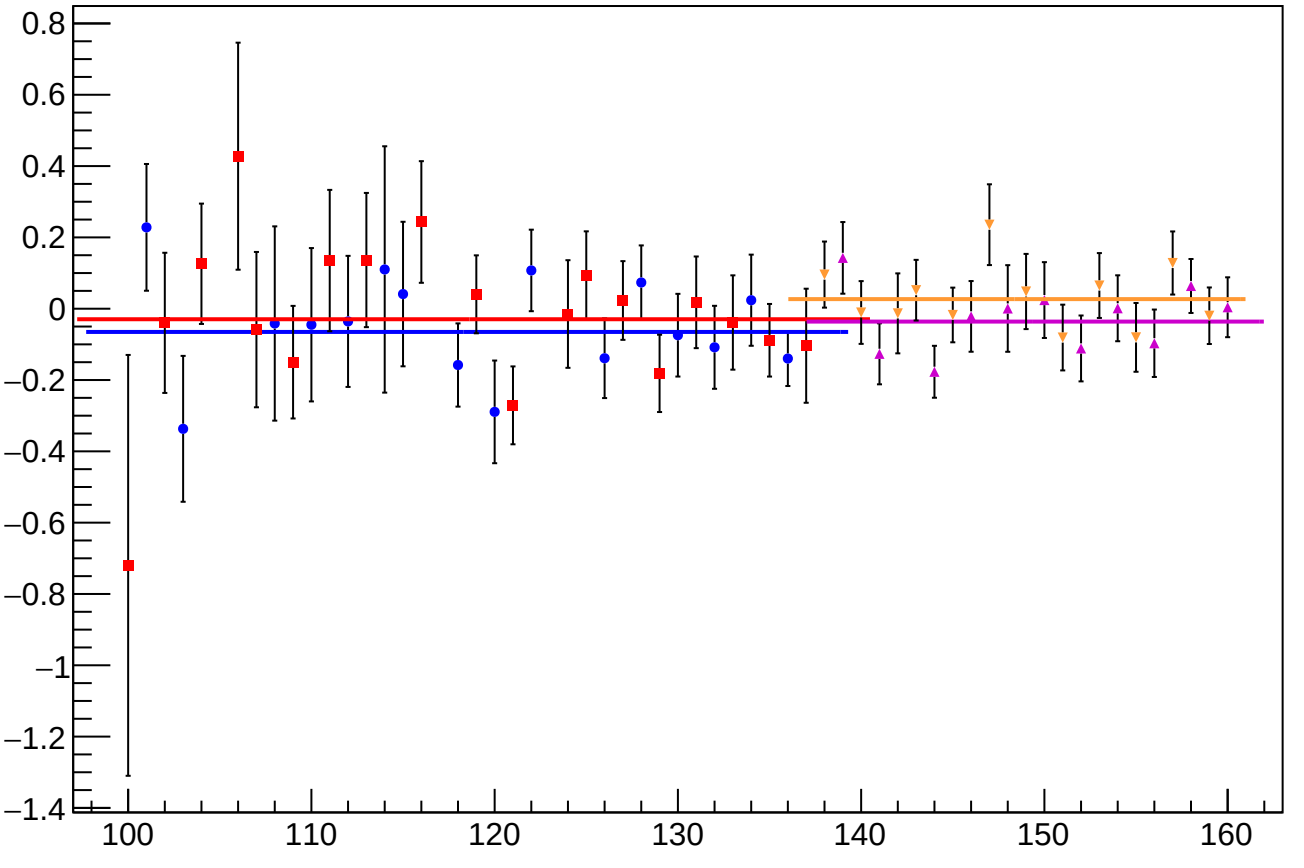
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.021+/-0.015 χ^2/NDF: 58.5/57


asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
160
140
120
100
80
60
100
110
120
130
140
150
160
Right In: 85.946+/-0.024 χ²/NDF: 1035004.5/15
Left Out: 80.935+/-0.019 χ²/NDF:211305.8/11
Right Out: 86.073+/-0.023 χ²/NDF: 991371.4/18
Left In: 83.030+/-0.019 χ²/NDF:334250.8/10
Left: 81.949+/-0.013 χ²/NDF: 551644.9/22
Right: 86.010+/-0.017 χ²/NDF: 2026390.6/34
In: 84.200+/-0.015 χ²/NDF:1378431.4/26
Out: 82.944+/-0.015 χ²/NDF:1232265.4/30
All: 83.557+/-0.010 χ²/NDF: 2614324.1/57



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: -0.036+/-0.027 χ^2/NDF:11.7/10

Left: -0.004+/-0.019 χ^2/NDF: 23.6/22

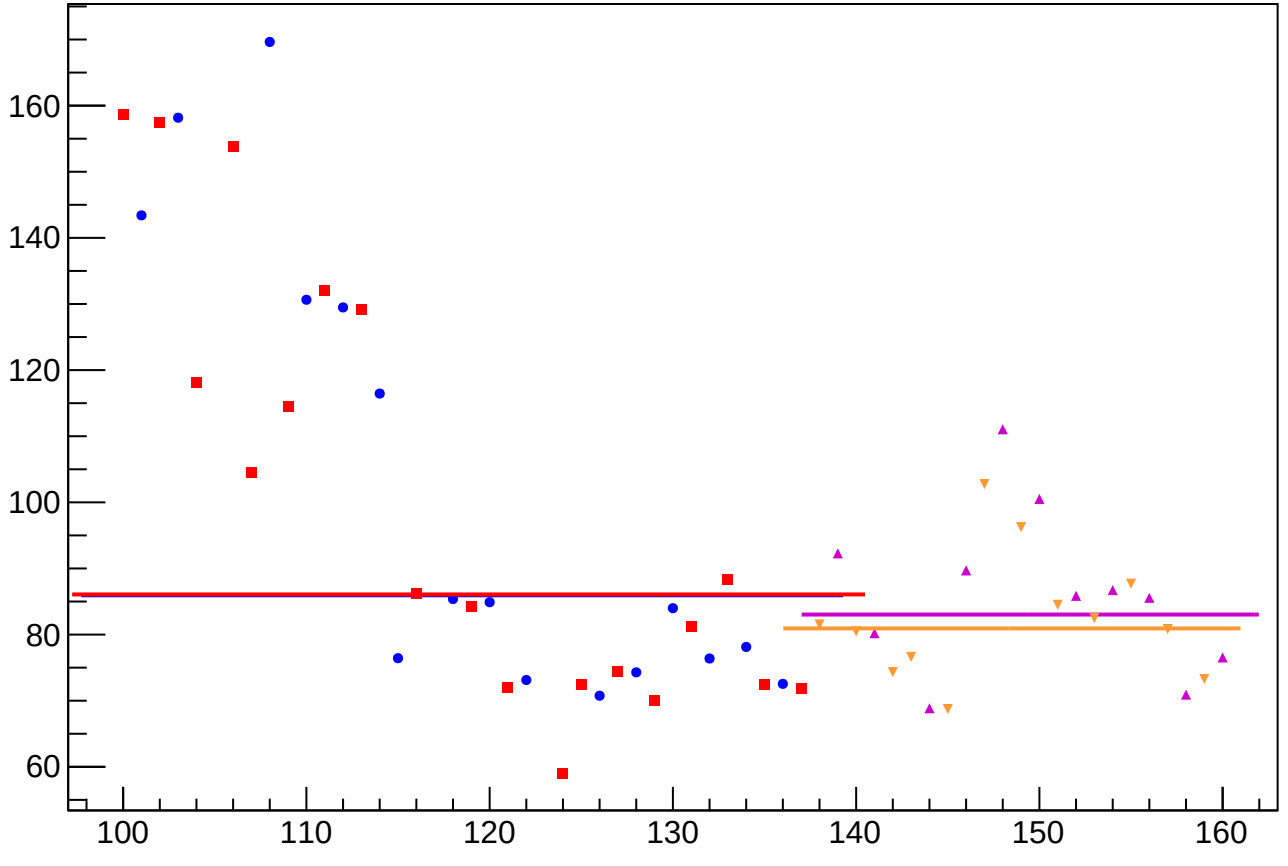
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.021+/-0.015 χ^2/NDF: 58.5/57

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: 83.030+/-0.019 χ^2/NDF:334250.8/10

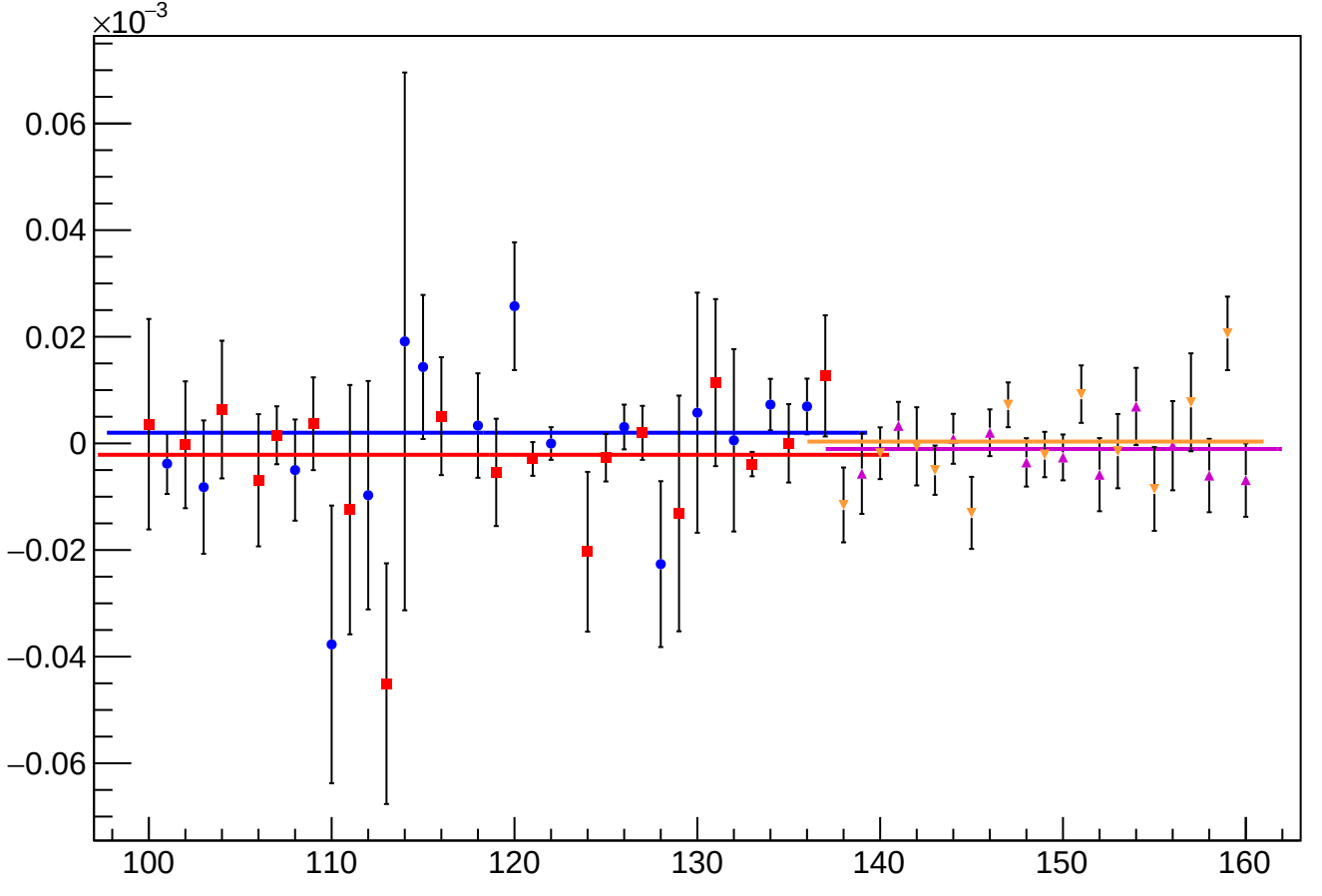
Left: 81.949+/-0.013 χ^2/NDF: 551644.9/22

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.200+/-0.015 χ^2/NDF:1378431.4/26

Out: 82.944+/-0.015 χ^2/NDF:1232265.4/30

All: 83.557+/-0.010 χ^2/NDF: 2614324.1/57



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:5.3/10

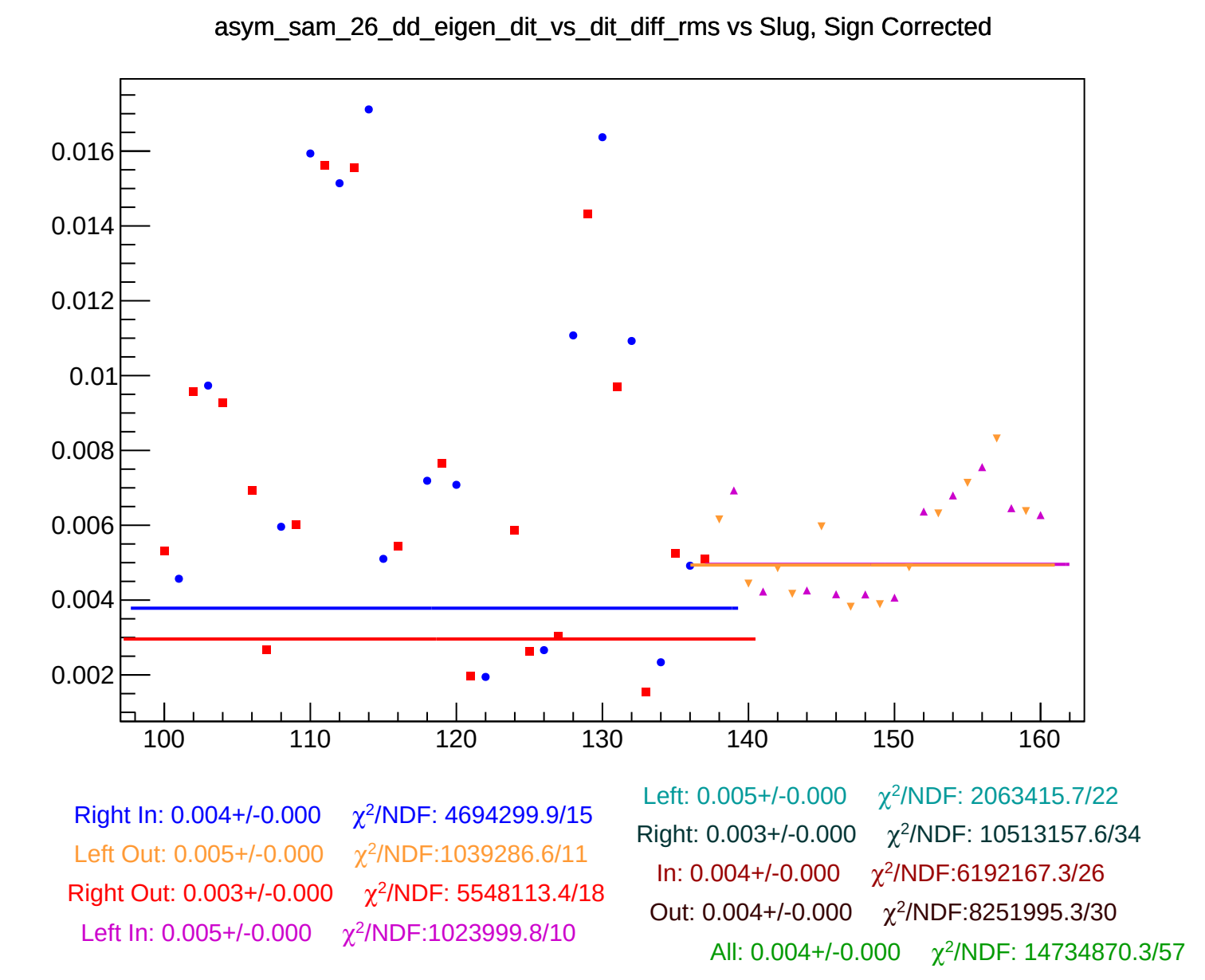
Left: -0.000+/-0.000 χ^2/NDF: 30.4/22

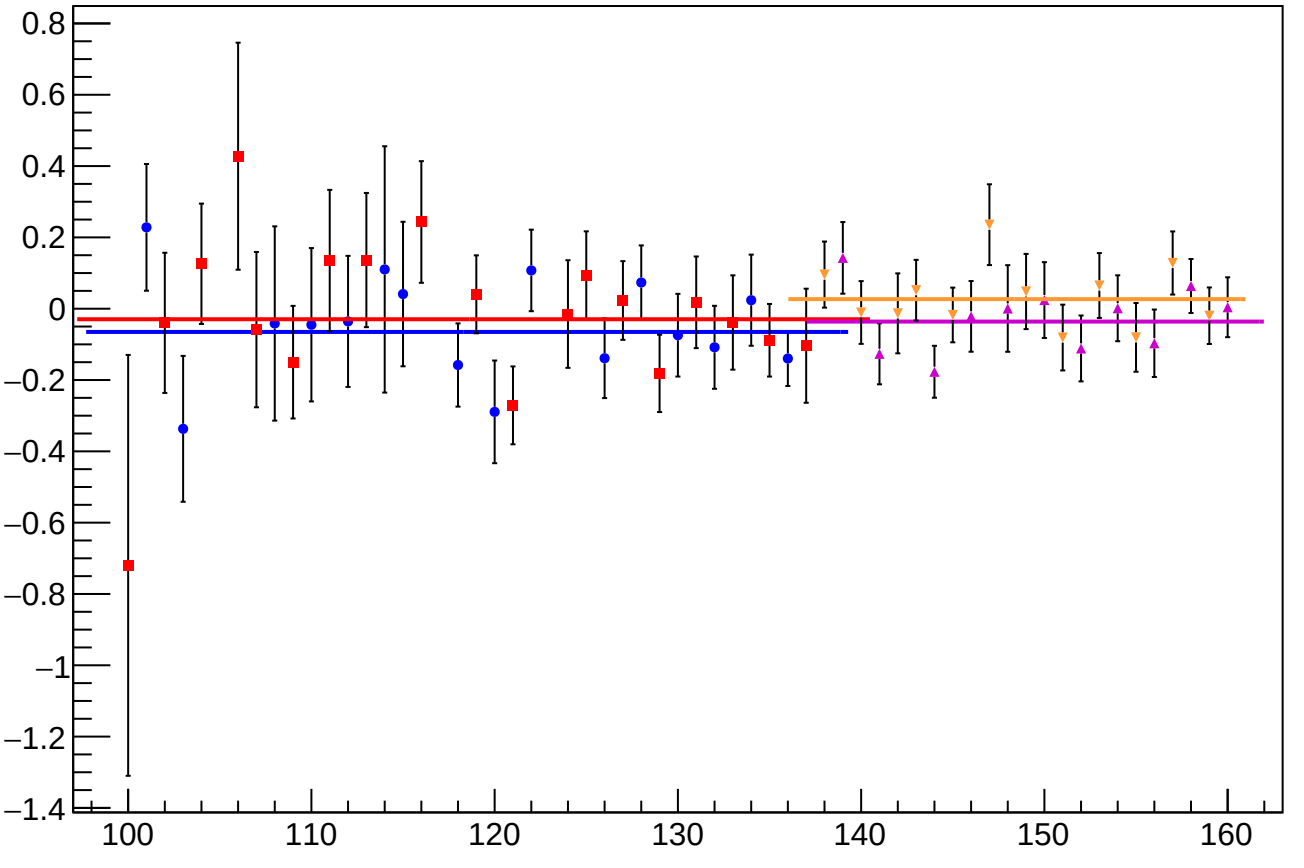
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:21.8/26

Out: -0.000+/-0.000 χ^2/NDF:37.6/30

All: -0.000+/-0.000 χ^2/NDF: 60.3/57


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ2/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ2/NDF:1039286.6/11
Right Out: 0.003+/-0.000 χ2/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ2/NDF:1023999.8/10
Left: 0.005+/-0.000 χ2/NDF: 2063415.7/22
Right: 0.003+/-0.000 χ2/NDF: 10513157.6/34
In: 0.004+/-0.000 χ2/NDF:6192167.3/26
Out: 0.004+/-0.000 χ2/NDF:8251995.3/30
All: 0.004+/-0.000 χ2/NDF: 14734870.3/57



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: -0.036+/-0.027 χ^2/NDF:11.7/10

Left: -0.004+/-0.019 χ^2/NDF: 23.6/22

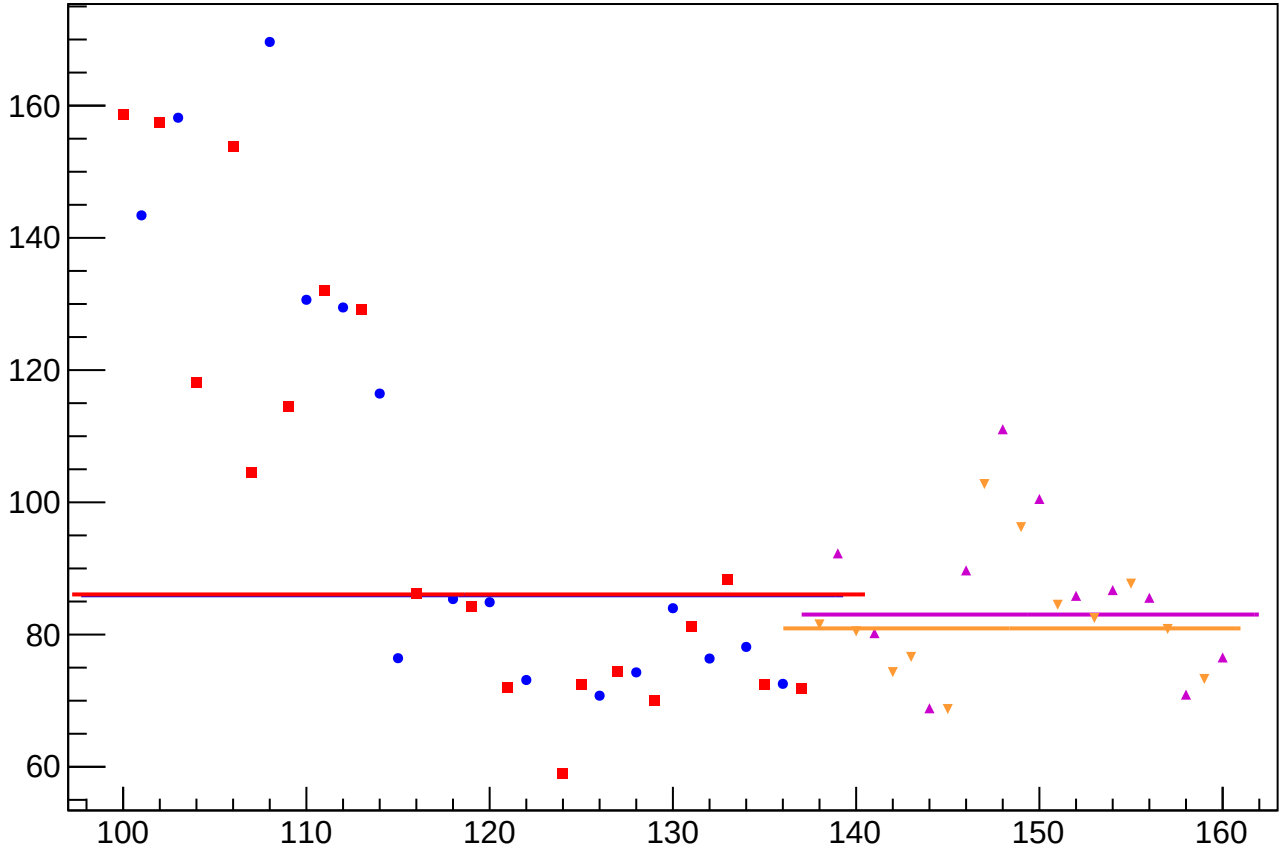
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.021+/-0.015 χ^2/NDF: 58.5/57

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: 83.029+/-0.019 χ^2/NDF:334279.1/10

Left: 81.948+/-0.013 χ^2/NDF: 551707.7/22

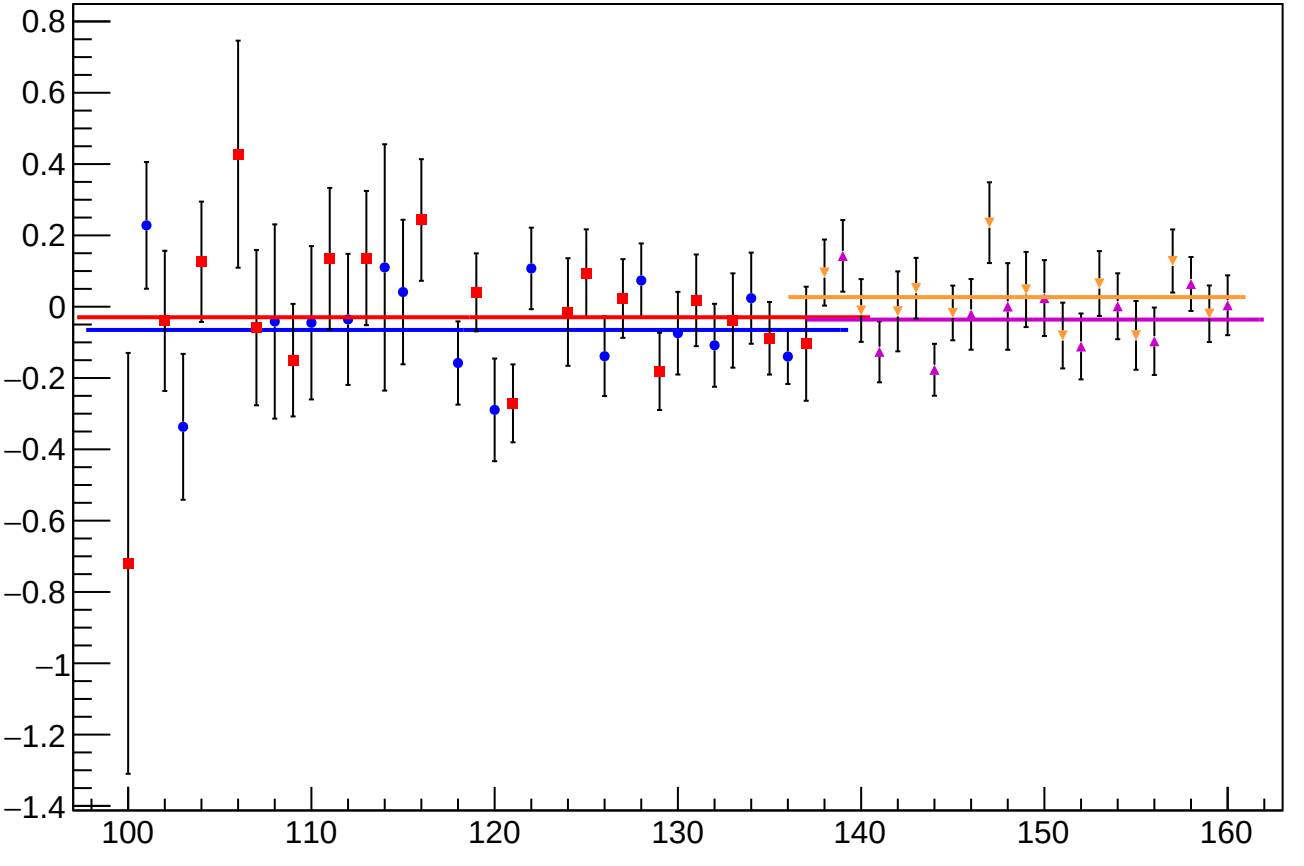
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.198+/-0.015 χ^2/NDF:1378430.9/26

Out: 82.943+/-0.015 χ^2/NDF:1232276.8/30

All: 83.556+/-0.010 χ^2/NDF: 2614333.3/57

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: -0.036+/-0.027 χ^2/NDF:11.7/10

Left: -0.004+/-0.019 χ^2/NDF: 23.6/22

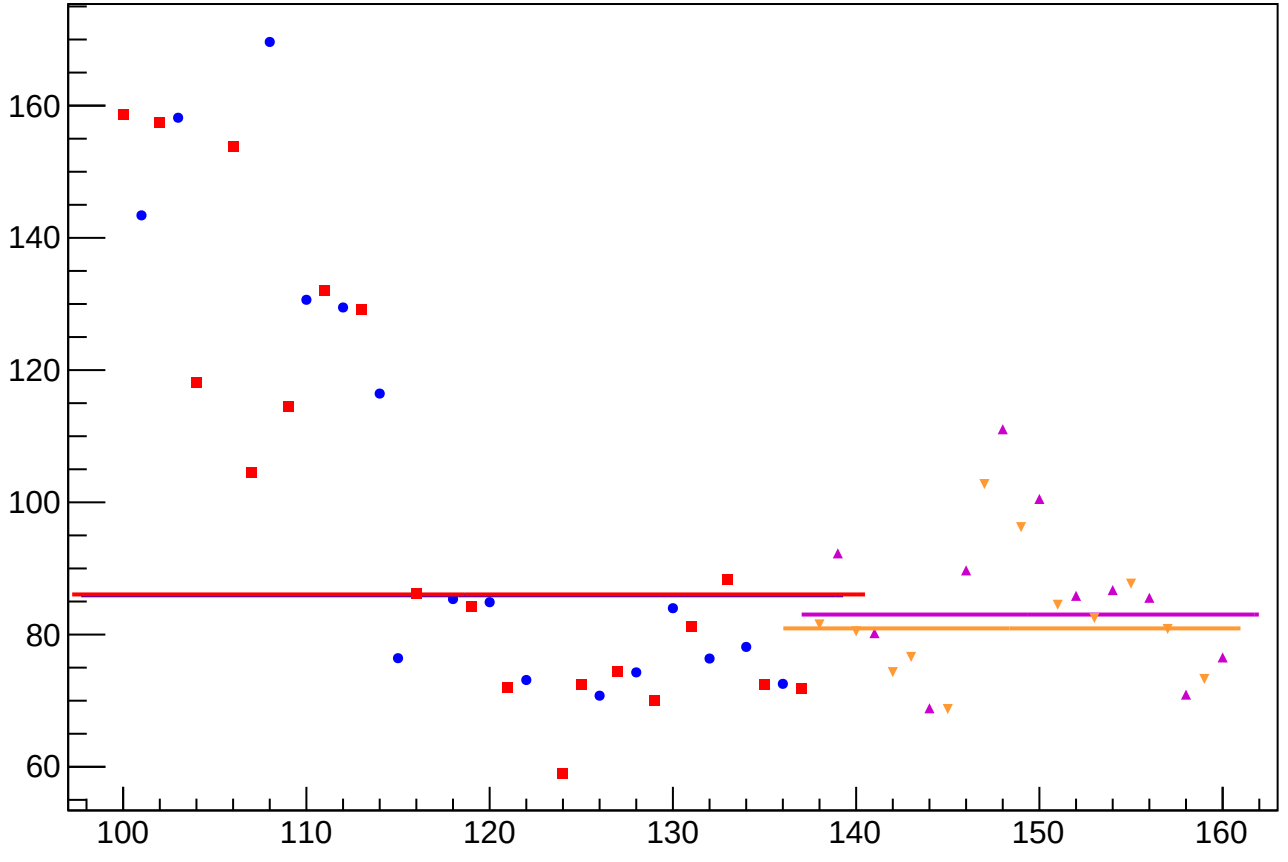
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.005+/-0.021 χ^2/NDF:29.0/30

All: -0.021+/-0.015 χ^2/NDF: 58.5/57

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: 83.029+/-0.019 χ^2/NDF:334279.1/10

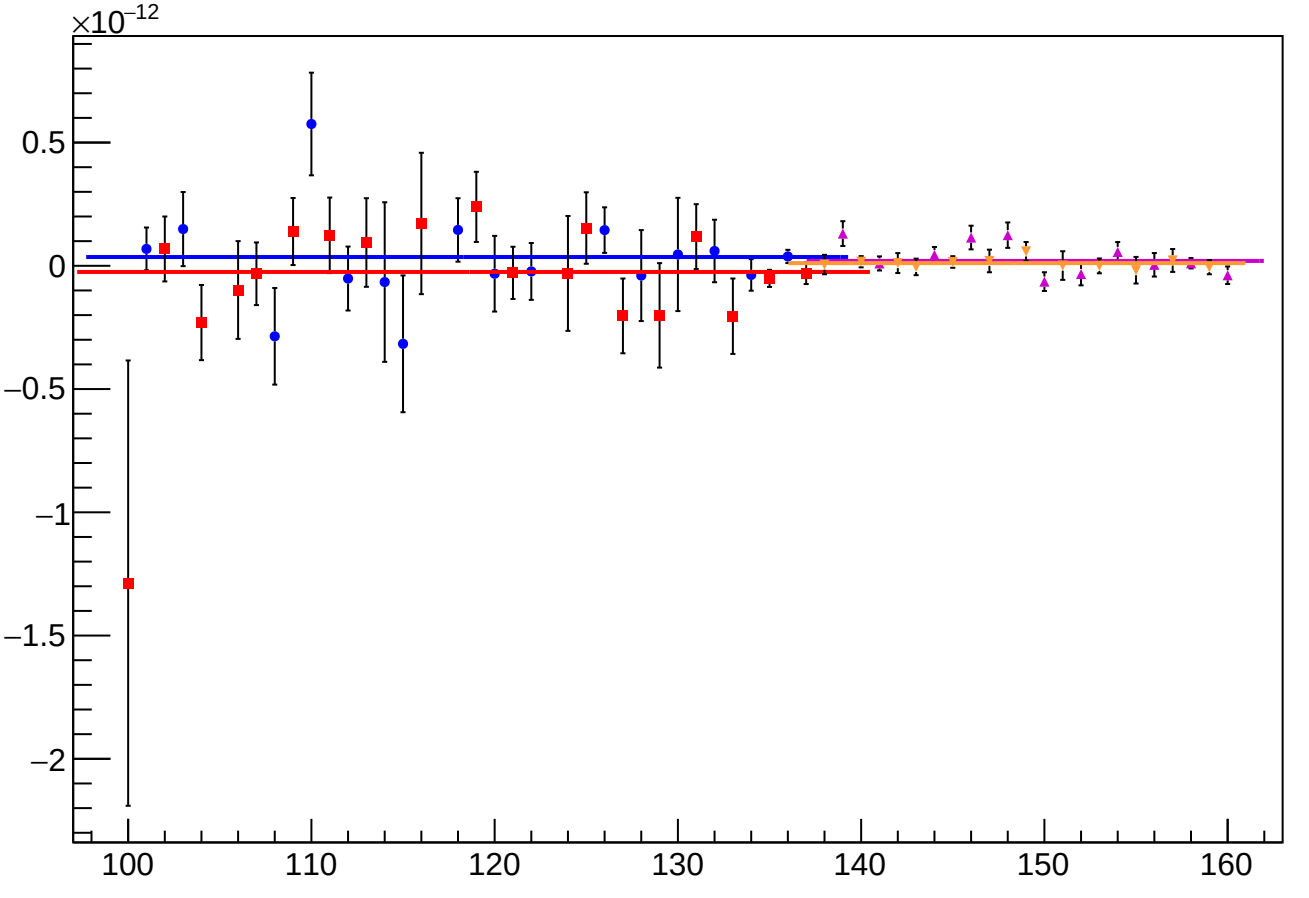
Left: 81.948+/-0.013 χ^2/NDF: 551707.7/22

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.198+/-0.015 χ^2/NDF:1378430.9/26

Out: 82.943+/-0.015 χ^2/NDF:1232276.8/30

All: 83.556+/-0.010 χ^2/NDF: 2614333.3/57



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:23.6/10

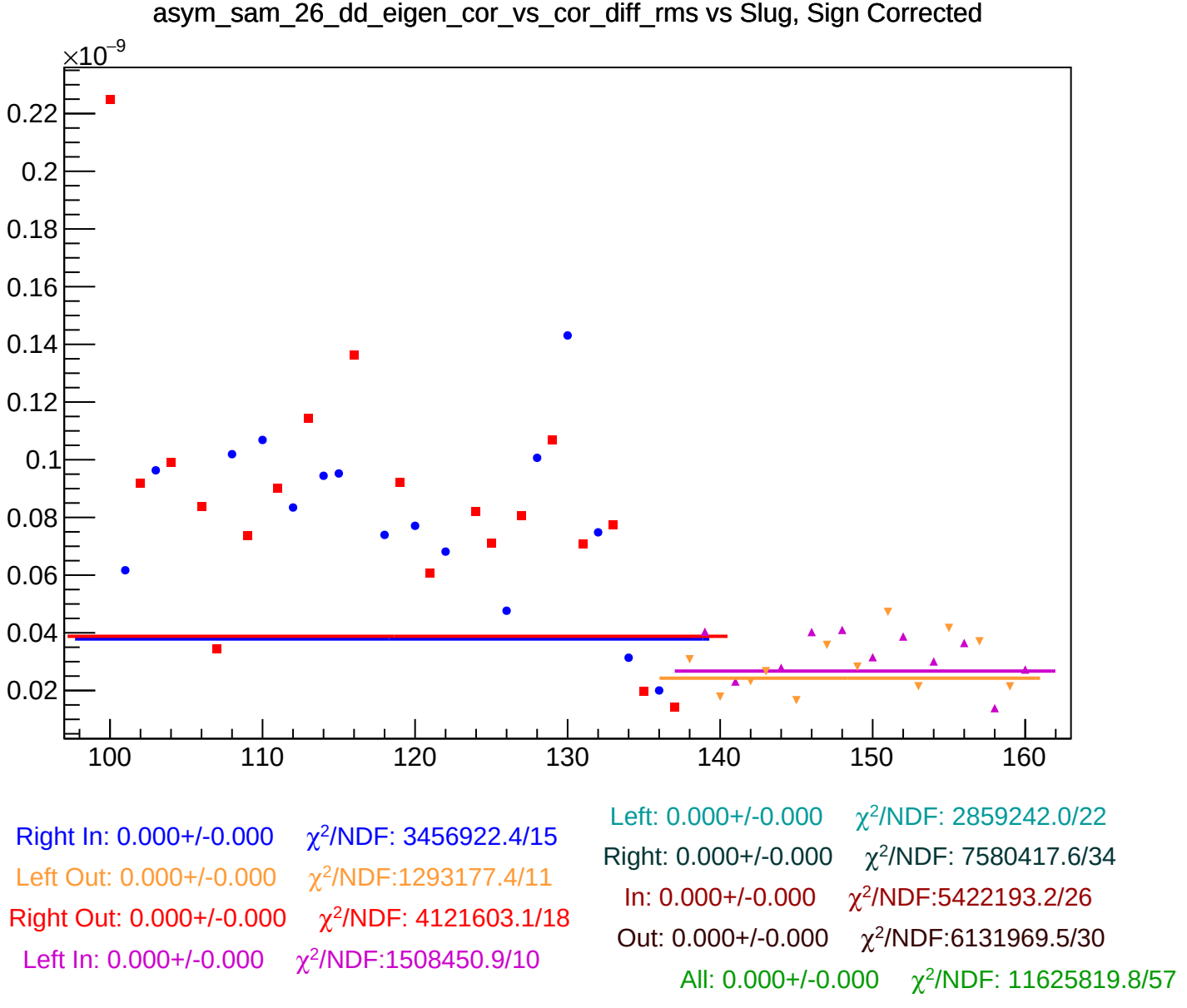
Left: 0.000+/-0.000 χ^2/NDF: 26.7/22

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

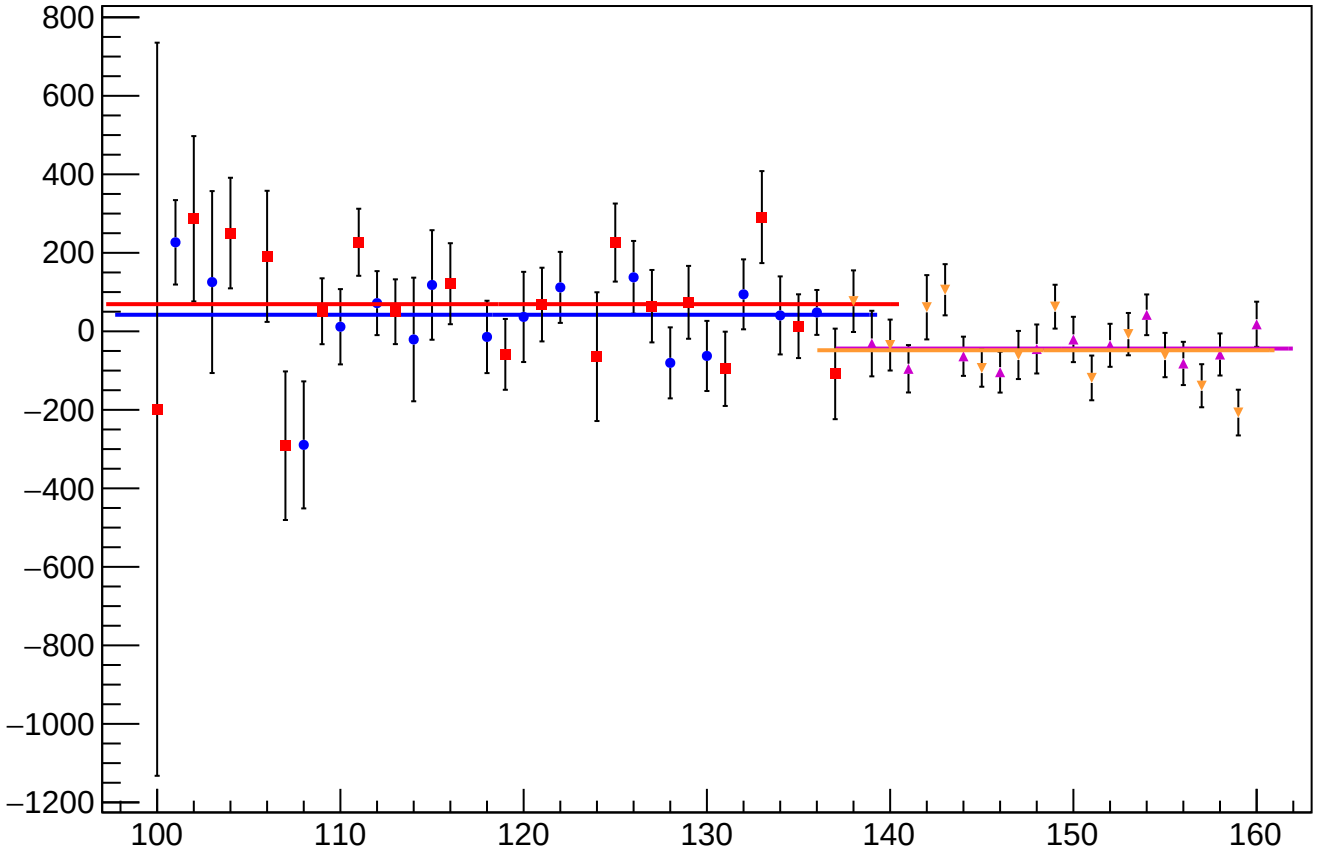
In: 0.000+/-0.000 χ^2/NDF:40.4/26

Out: 0.000+/-0.000 χ^2/NDF:22.8/30

All: 0.000+/-0.000 χ^2/NDF: 65.1/57


asym_sam_26_dd_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: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1293177.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1508450.9/10
Left: 0.000+/-0.000 χ²/NDF: 2859242.0/22
Right: 0.000+/-0.000 χ²/NDF: 7580417.6/34
In: 0.000+/-0.000 χ²/NDF:5422193.2/26
Out: 0.000+/-0.000 χ²/NDF:6131969.5/30
All: 0.000+/-0.000 χ²/NDF: 11625819.8/57

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -43.870+/-17.077 χ^2/NDF:6.9/10

Left: -46.006+/-12.096 χ^2/NDF: 34.1/22

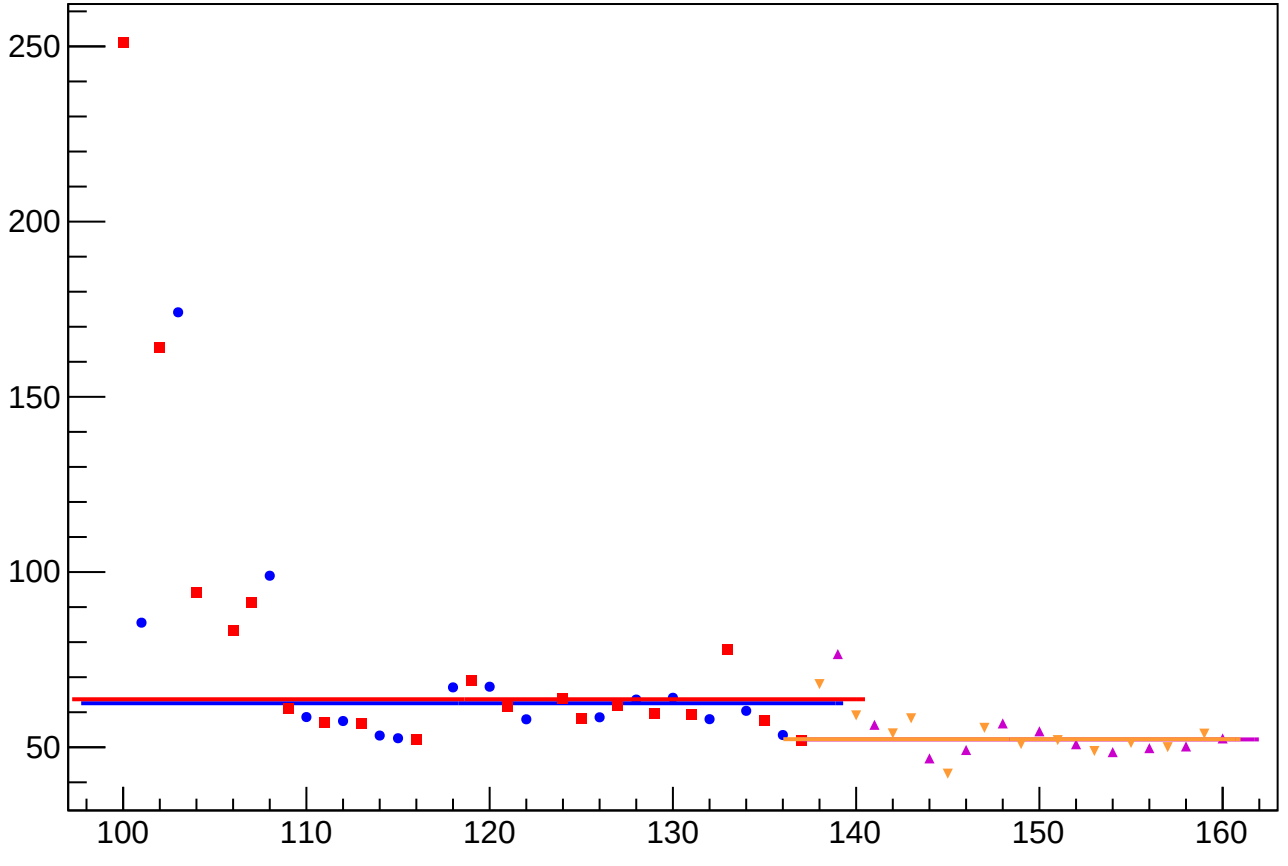
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -15.262+/-13.954 χ^2/NDF:28.9/26

Out: -9.413+/-14.027 χ^2/NDF:68.0/30

All: -12.353+/-9.893 χ^2/NDF: 97.0/57

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: 52.240+/-0.012 χ^2/NDF:241743.4/10

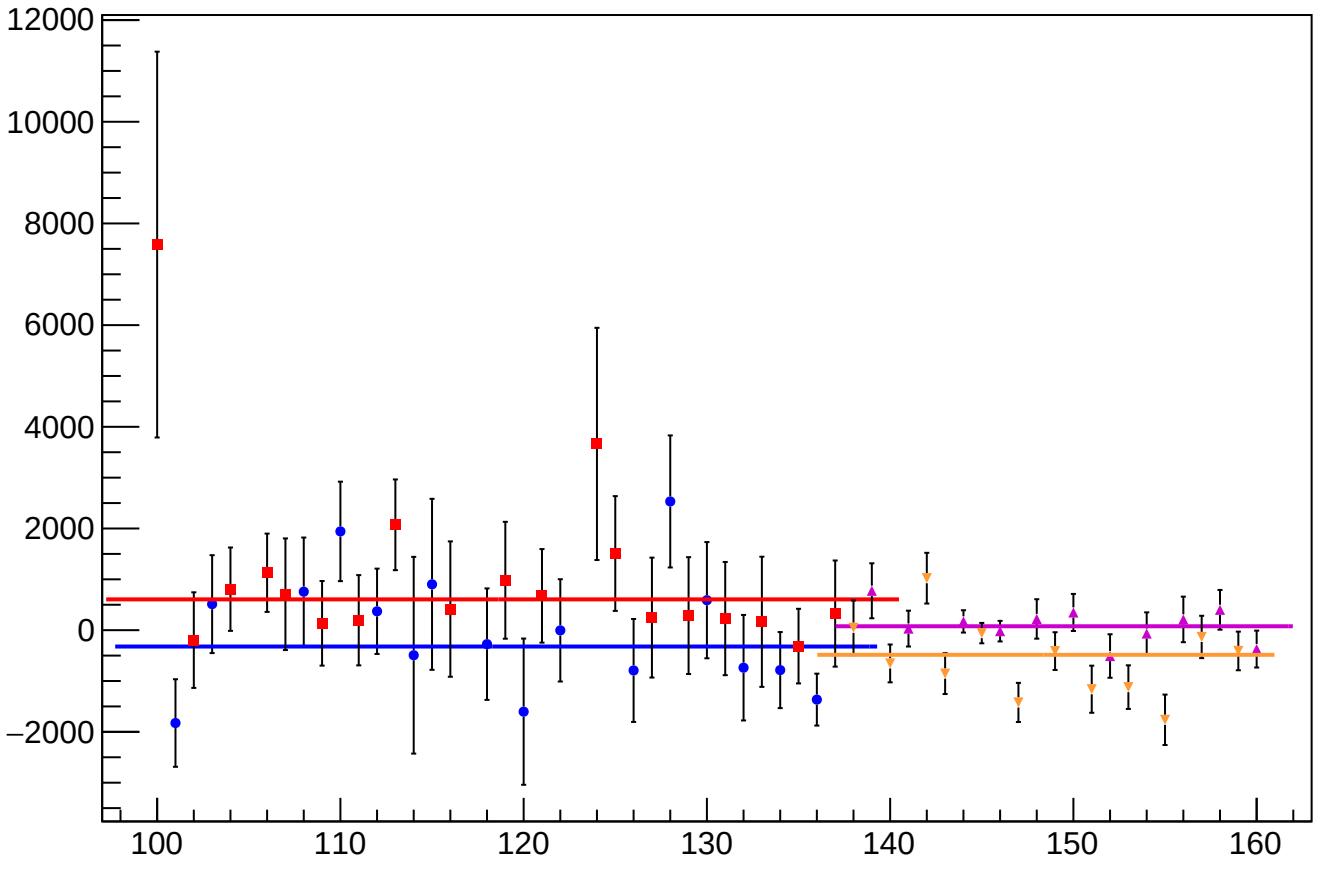
Left: 52.273+/-0.009 χ^2/NDF: 467303.9/22

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 55.671+/-0.010 χ^2/NDF:1243300.9/26

Out: 56.066+/-0.010 χ^2/NDF:1351466.4/30

All: 55.867+/-0.007 χ^2/NDF: 2595560.8/57



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: 76.903+/-99.469 χ^2/NDF:7.1/10

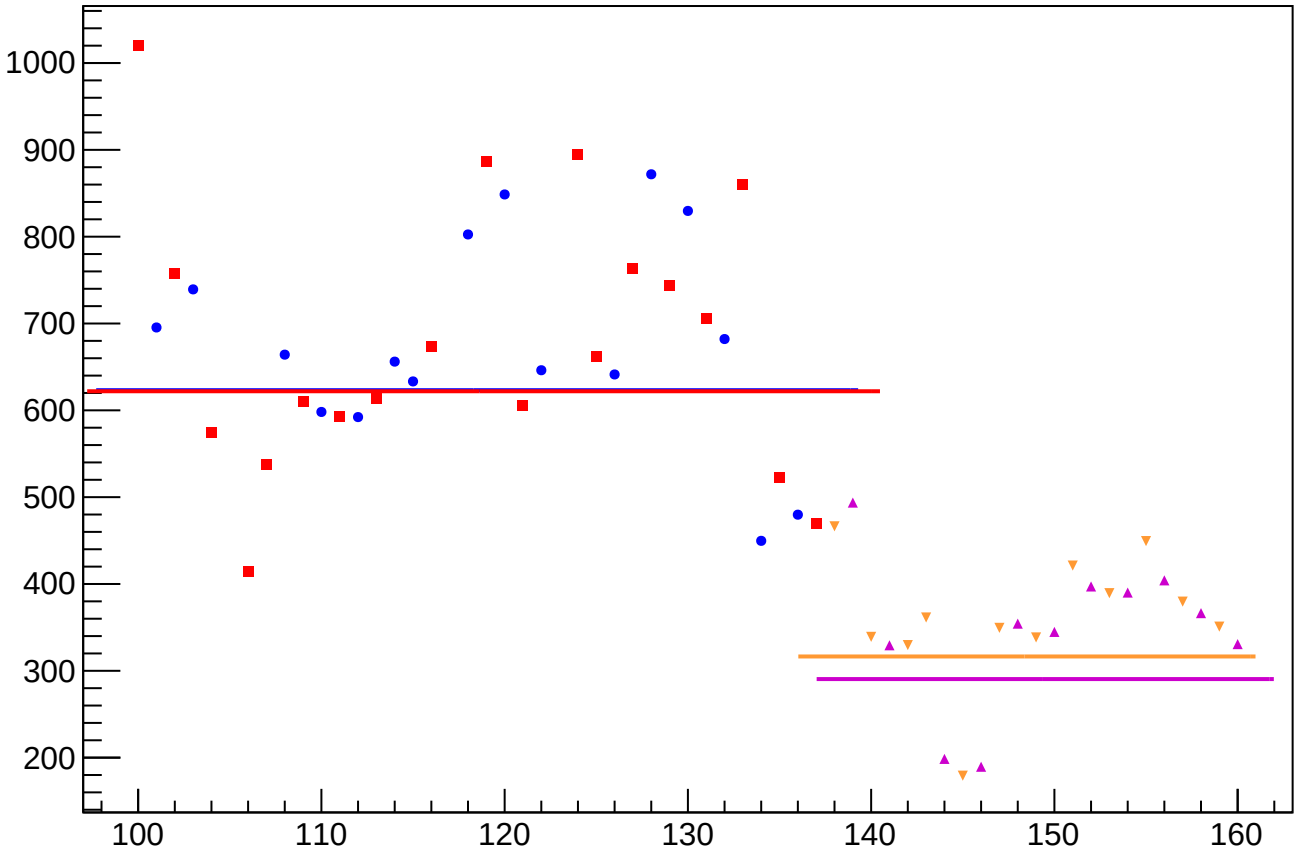
Left: -182.403+/-72.983 χ^2/NDF: 55.2/22

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 17.841+/-91.803 χ^2/NDF:32.2/26

Out: -294.500+/-97.597 χ^2/NDF:63.9/30

All: -128.783+/-66.869 χ^2/NDF: 101.5/57



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: 290.493+/-0.070 χ^2/NDF:1720193.0/10

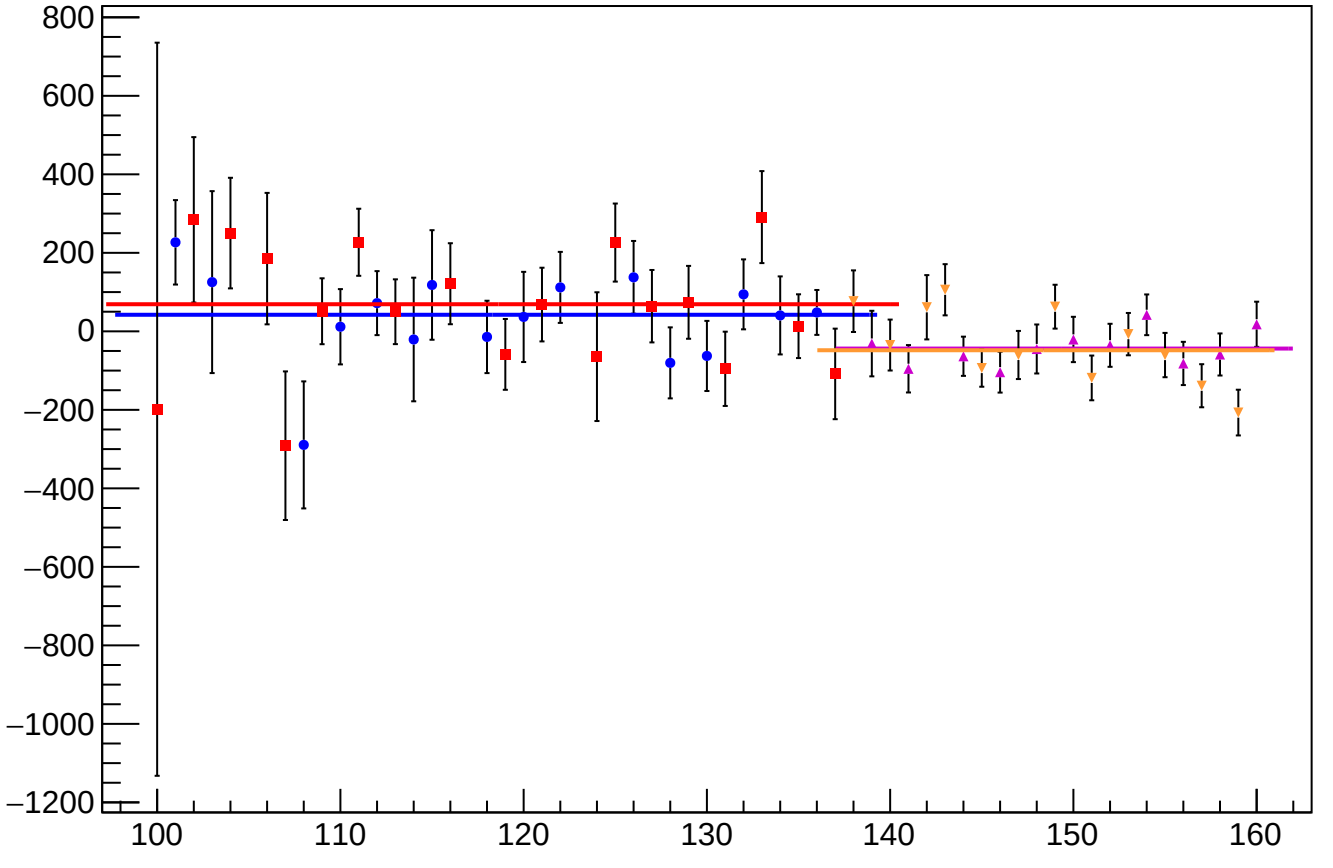
Left: 302.506+/-0.052 χ^2/NDF: 3299667.4/22

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 339.792+/-0.065 χ^2/NDF:5601125.8/26

Out: 369.815+/-0.069 χ^2/NDF:4920860.0/30

All: 353.886+/-0.047 χ^2/NDF: 10622395.2/57



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: -43.868+/-17.077 χ^2/NDF:6.9/10

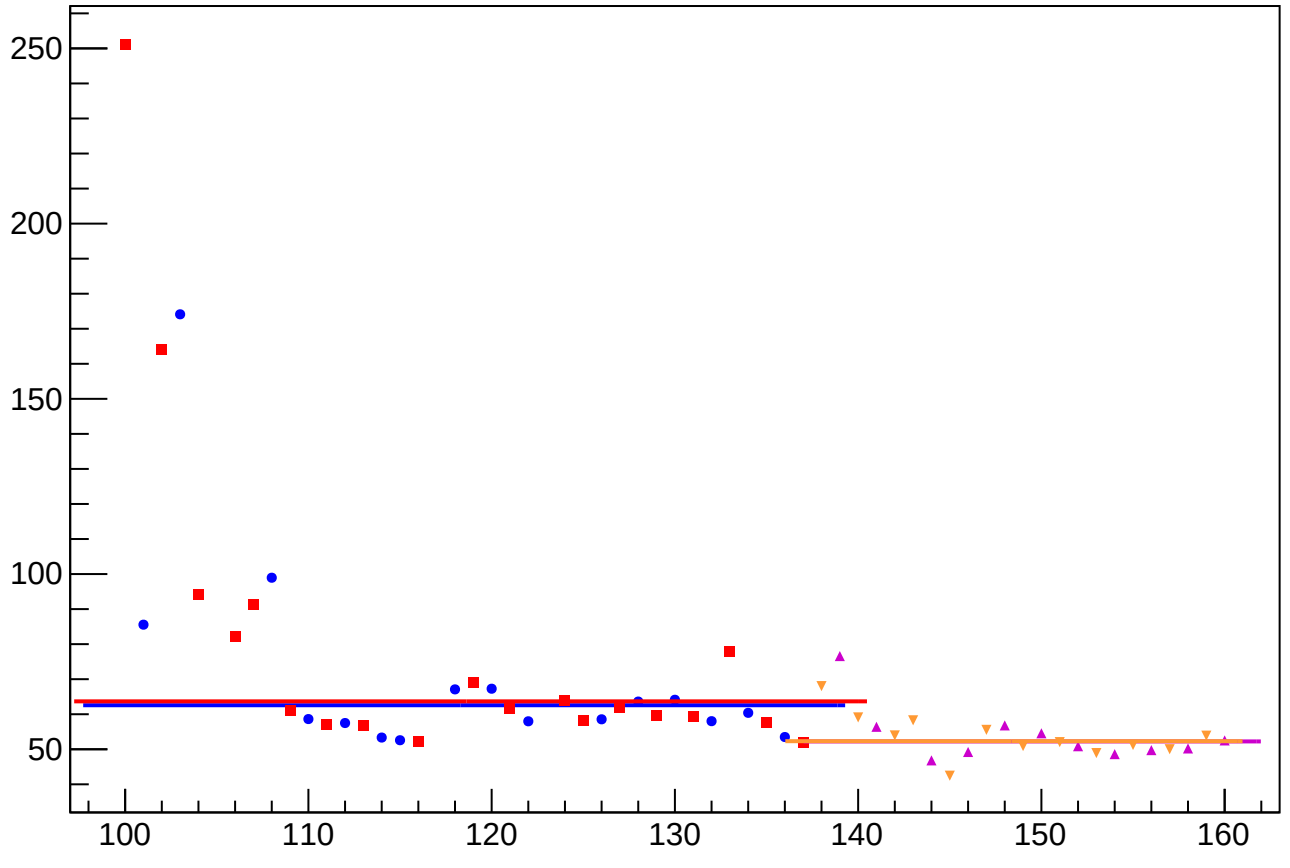
Left: -46.004+/-12.096 χ^2/NDF: 34.1/22

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -15.263+/-13.954 χ^2/NDF:28.9/26

Out: -9.475+/-14.027 χ^2/NDF:67.9/30

All: -12.384+/-9.893 χ^2/NDF: 96.8/57



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: 52.240+/-0.012 χ^2/NDF:241743.4/10

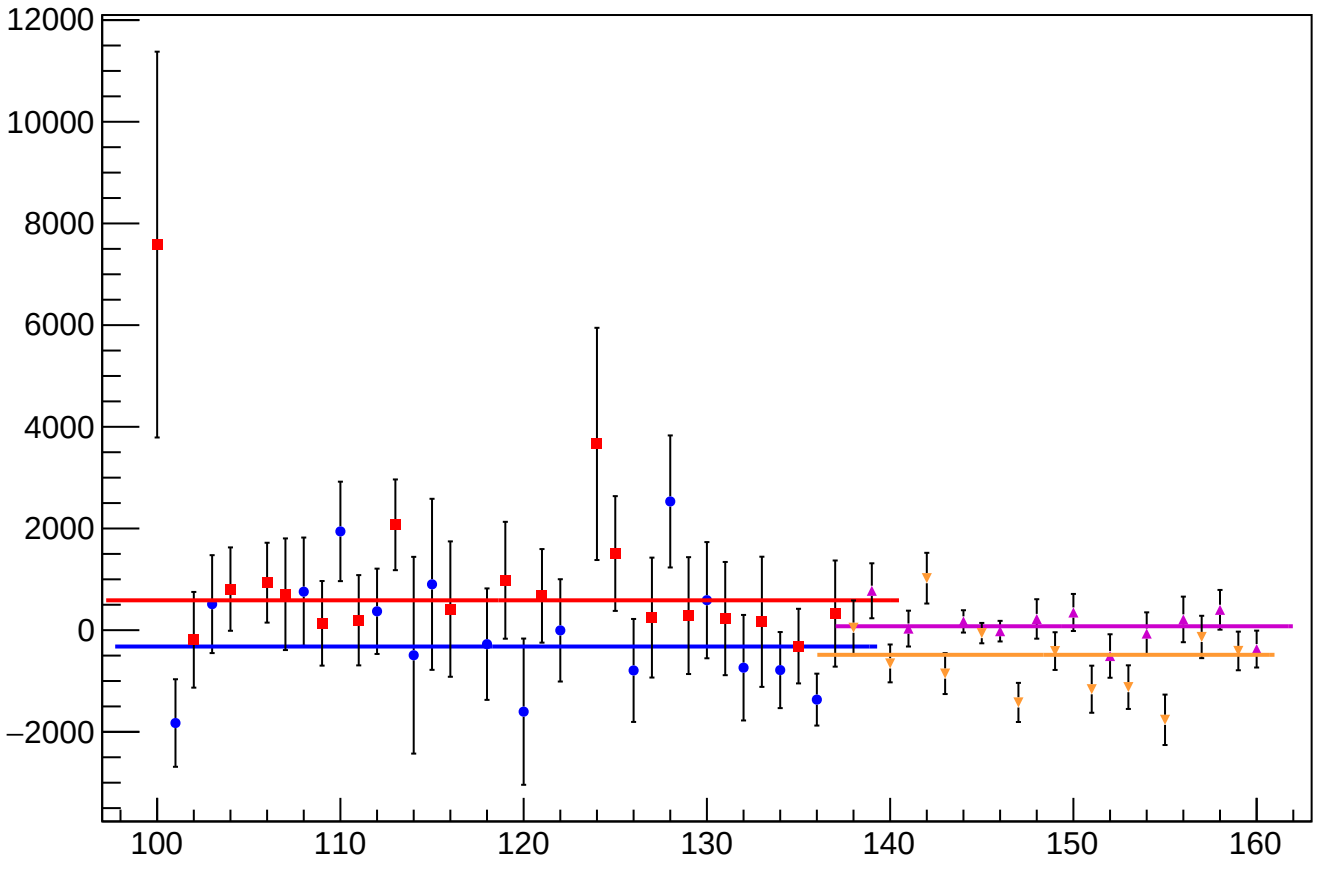
Left: 52.273+/-0.009 χ^2/NDF: 467303.9/22

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.671+/-0.010 χ^2/NDF:1243302.9/26

Out: 56.057+/-0.010 χ^2/NDF:1347460.2/30

All: 55.863+/-0.007 χ^2/NDF: 2591523.5/57



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: 76.907+/-99.468 χ^2/NDF:7.1/10

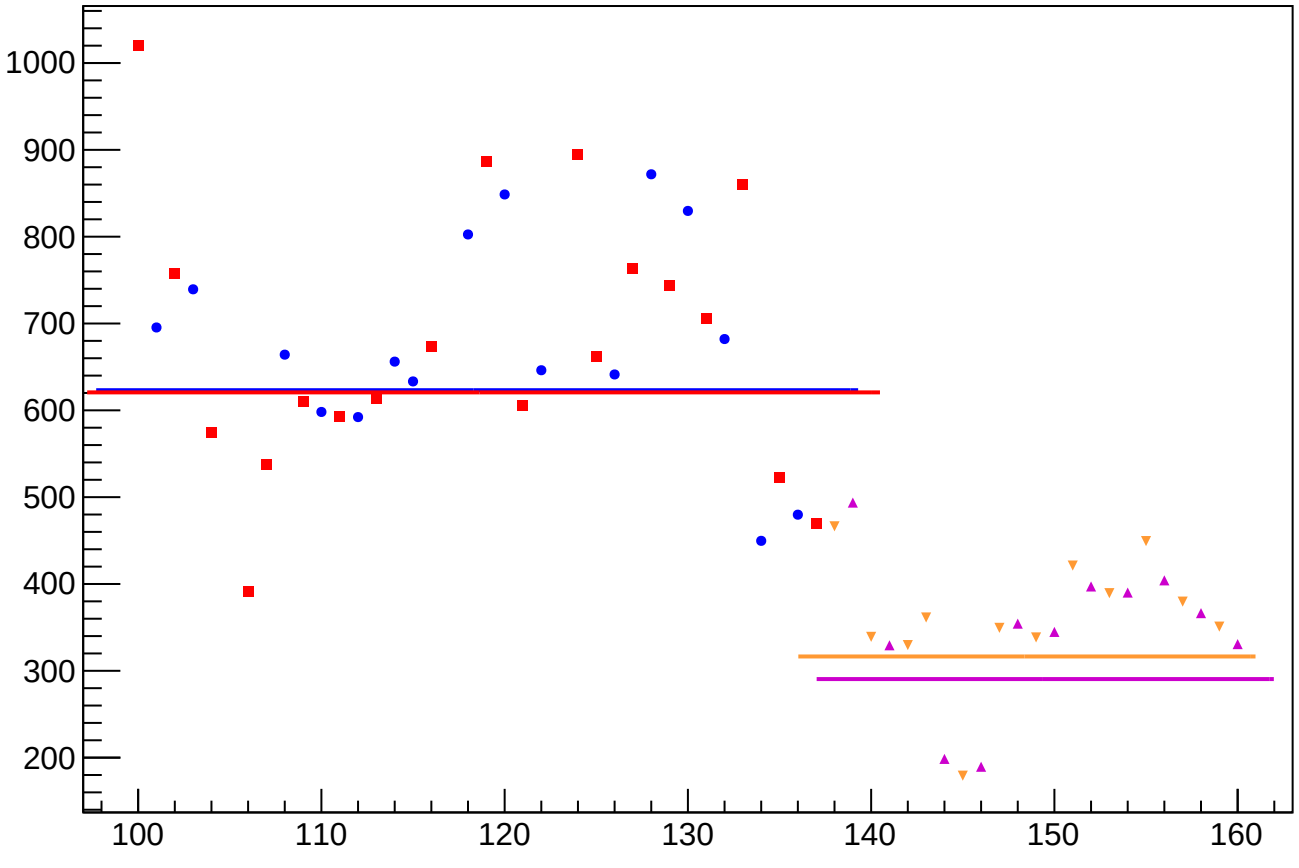
Left: -182.399+/-72.983 χ^2/NDF: 55.2/22

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.846+/-91.803 χ^2/NDF:32.2/26

Out: -298.326+/-97.629 χ^2/NDF:62.9/30

All: -130.526+/-66.879 χ^2/NDF: 100.6/57



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: 290.493+/-0.070 χ^2/NDF:1720199.6/10

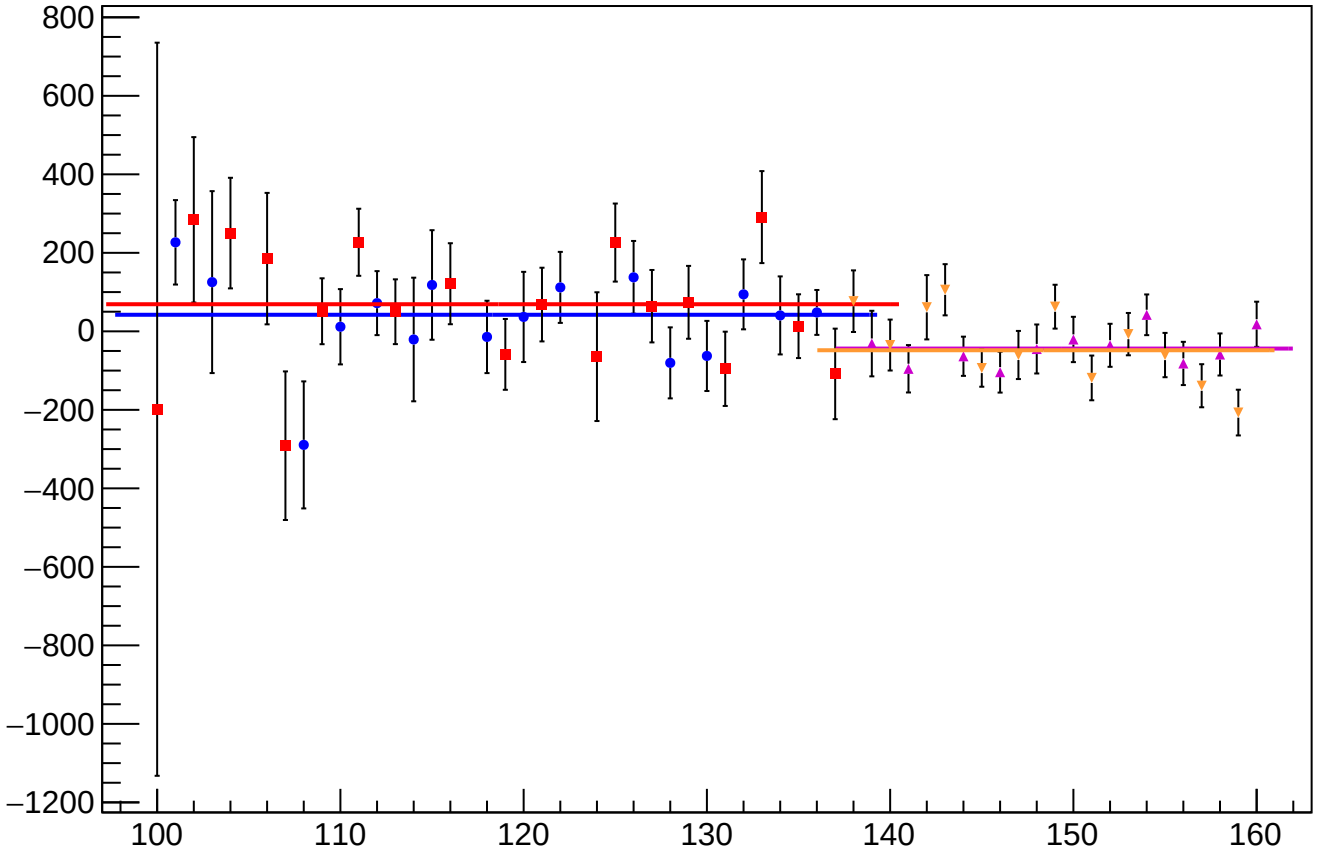
Left: 302.505+/-0.052 χ^2/NDF: 3299681.0/22

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 339.792+/-0.065 χ^2/NDF:5601192.9/26

Out: 369.424+/-0.069 χ^2/NDF:4916183.7/30

All: 353.697+/-0.047 χ^2/NDF: 10615157.0/57



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: -43.868+/-17.077 χ^2/NDF:6.9/10

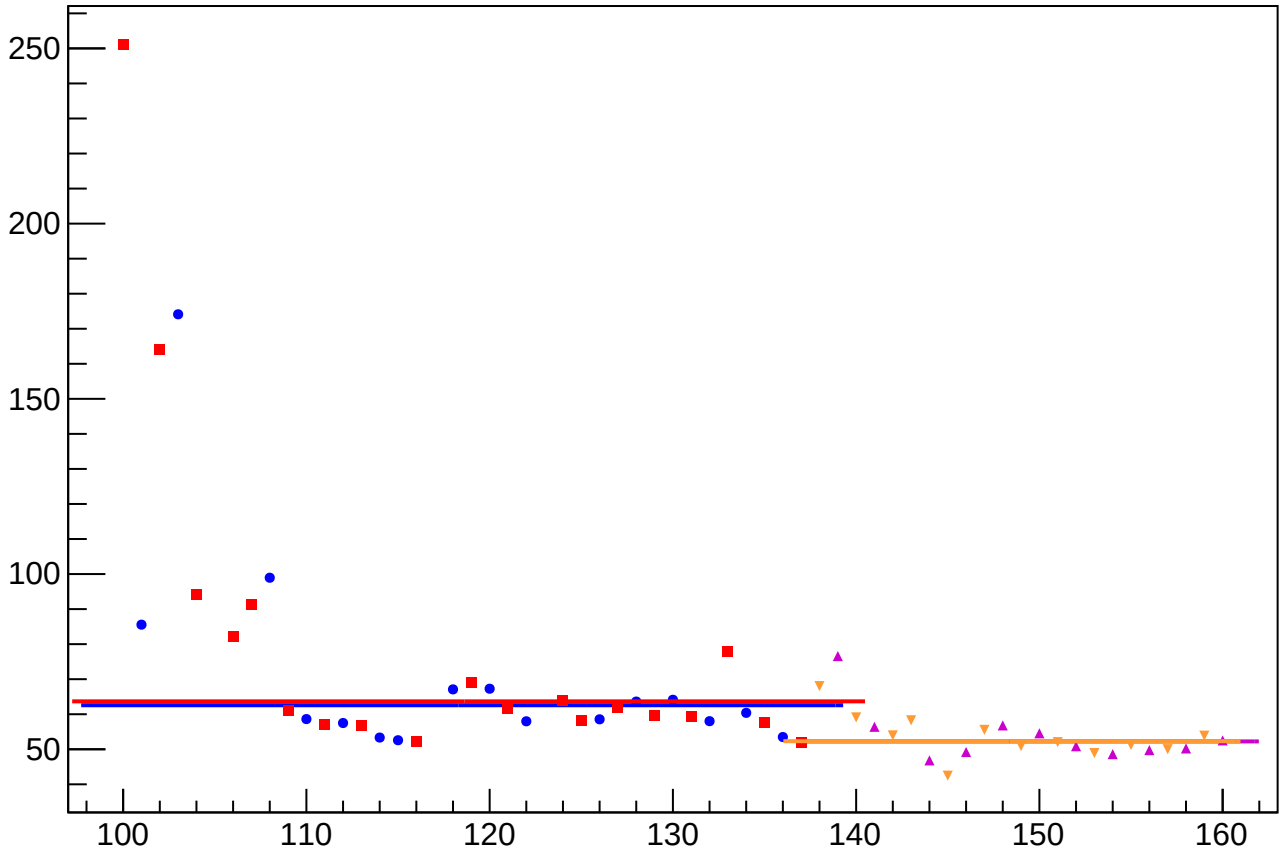
Left: -46.004+/-12.096 χ^2/NDF: 34.1/22

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -15.263+/-13.954 χ^2/NDF:28.9/26

Out: -9.475+/-14.027 χ^2/NDF:67.9/30

All: -12.384+/-9.893 χ^2/NDF: 96.8/57



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: 52.240+/-0.012 χ^2/NDF:241743.4/10

Left: 52.273+/-0.009 χ^2/NDF: 467303.9/22

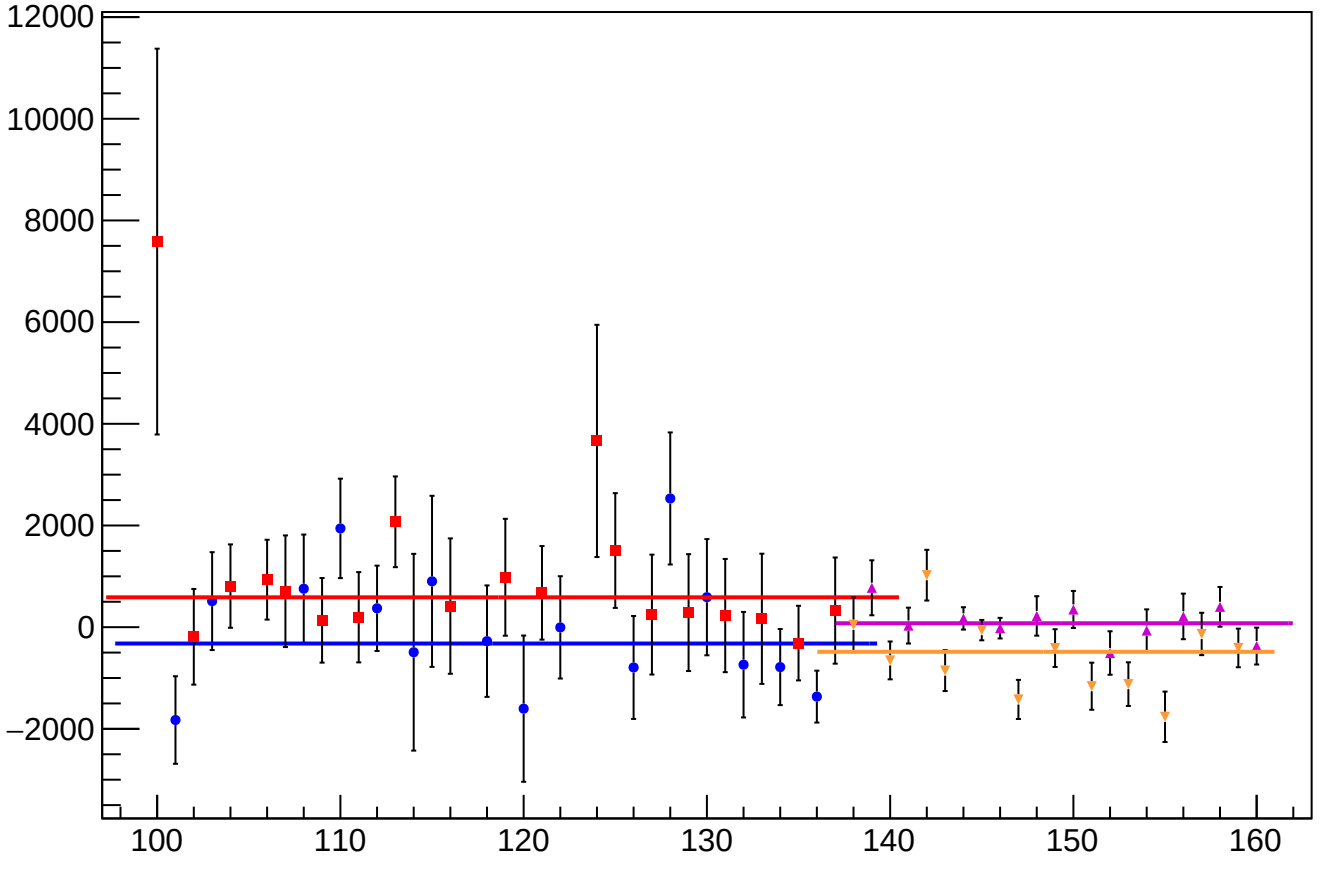
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.671+/-0.010 χ^2/NDF:1243302.9/26

Out: 56.057+/-0.010 χ^2/NDF:1347460.2/30

All: 55.863+/-0.007 χ^2/NDF: 2591523.5/57

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: 76.907+/-99.468 χ^2/NDF:7.1/10

Left: -182.399+/-72.983 χ^2/NDF: 55.2/22

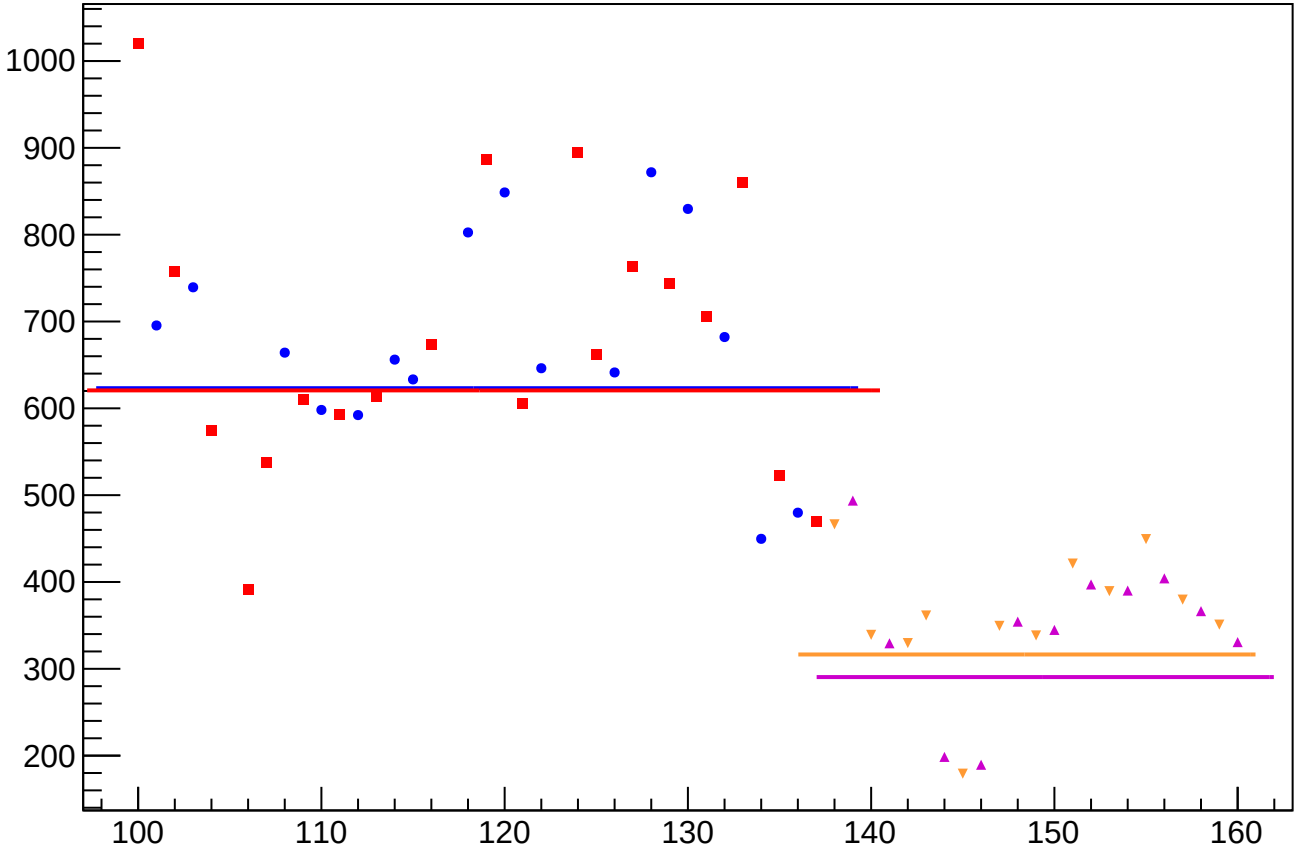
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.846+/-91.803 χ^2/NDF:32.2/26

Out: -298.326+/-97.629 χ^2/NDF:62.9/30

All: -130.526+/-66.879 χ^2/NDF: 100.6/57

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 290.493+/-0.070 χ^2/NDF:1720199.6/10

Left: 302.505+/-0.052 χ^2/NDF: 3299681.0/22

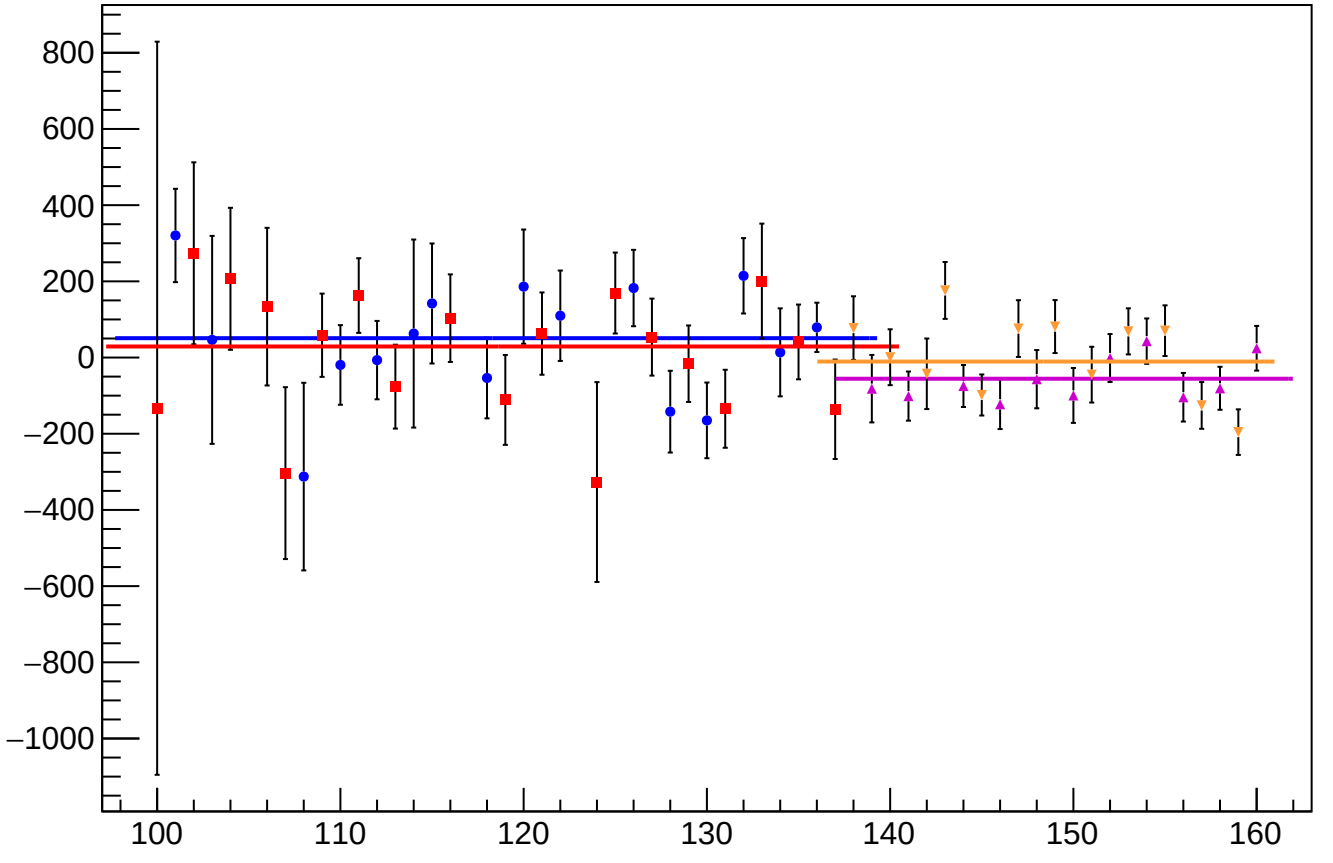
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 339.792+/-0.065 χ^2/NDF:5601192.9/26

Out: 369.424+/-0.069 χ^2/NDF:4916183.7/30

All: 353.697+/-0.047 χ^2/NDF: 10615157.0/57

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -55.627+/-19.309 χ^2/NDF:8.3/10

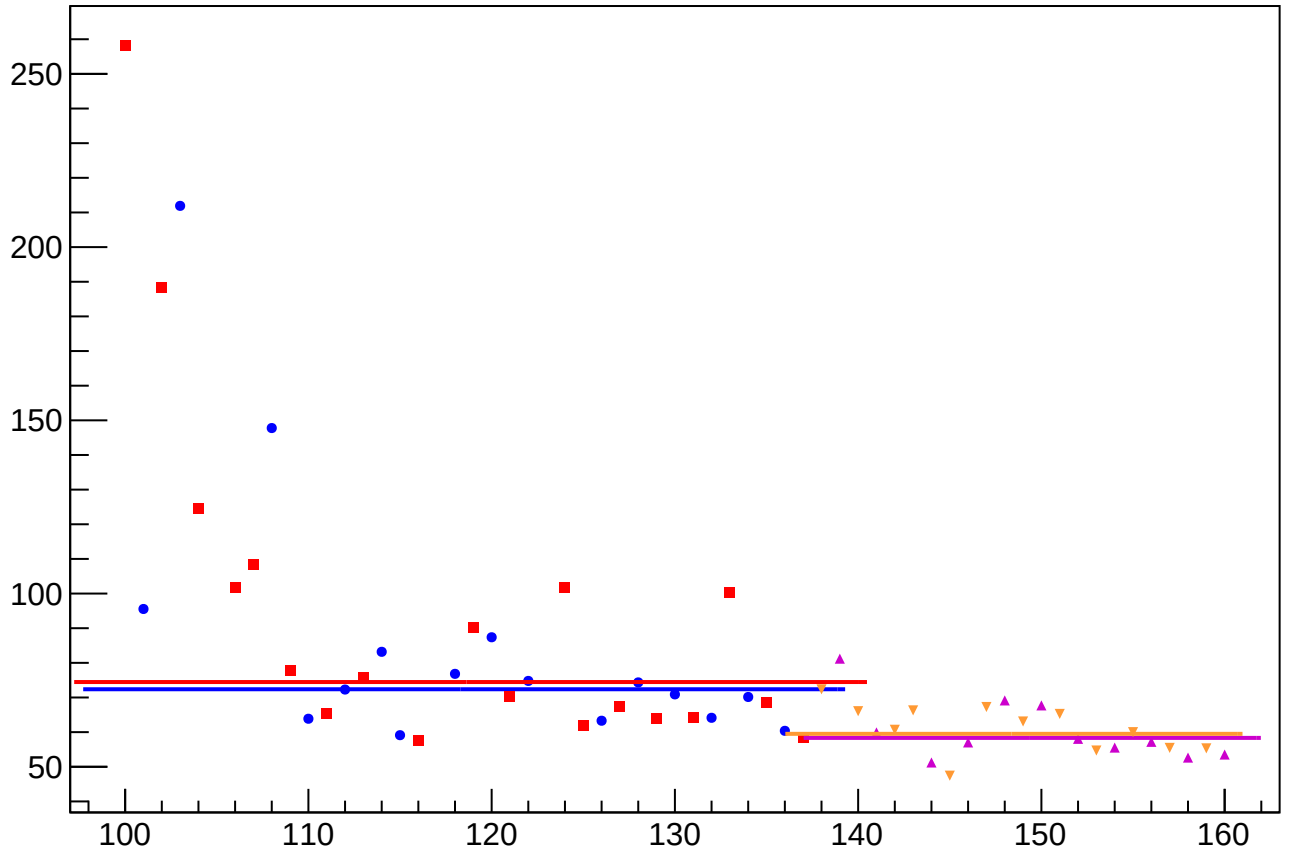
Left: -33.480+/-13.775 χ^2/NDF: 40.7/22

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -21.833+/-15.953 χ^2/NDF:40.8/26

Out: 1.985+/-16.256 χ^2/NDF:49.6/30

All: -10.148+/-11.386 χ^2/NDF: 91.4/57



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: 58.337+/-0.014 χ^2/NDF:281227.2/10

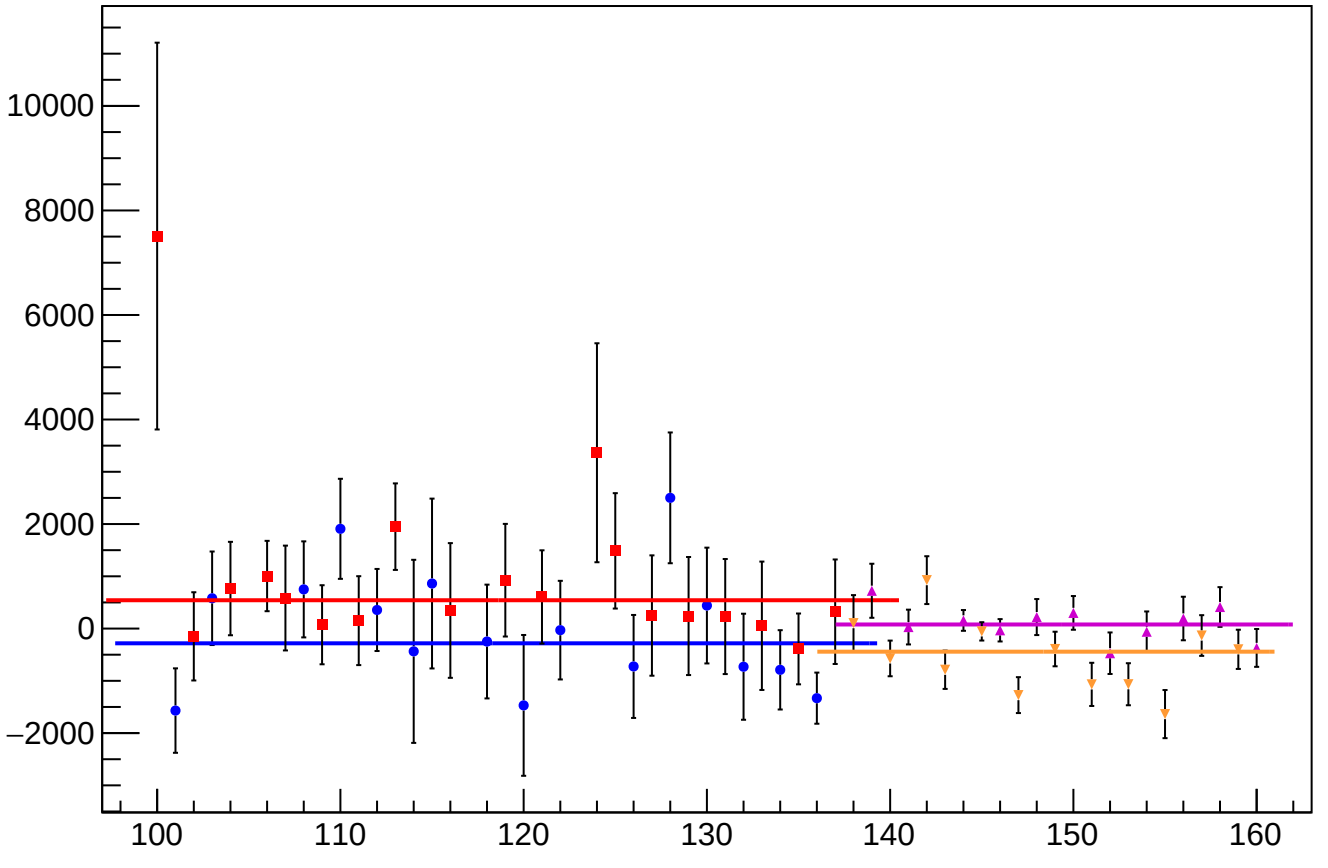
Left: 58.913+/-0.010 χ^2/NDF: 535785.0/22

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 62.794+/-0.011 χ^2/NDF:1555061.1/26

Out: 64.238+/-0.011 χ^2/NDF:1669107.8/30

All: 63.502+/-0.008 χ^2/NDF: 3232215.4/57



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: 78.144+/-94.782 χ^2/NDF:7.1/10

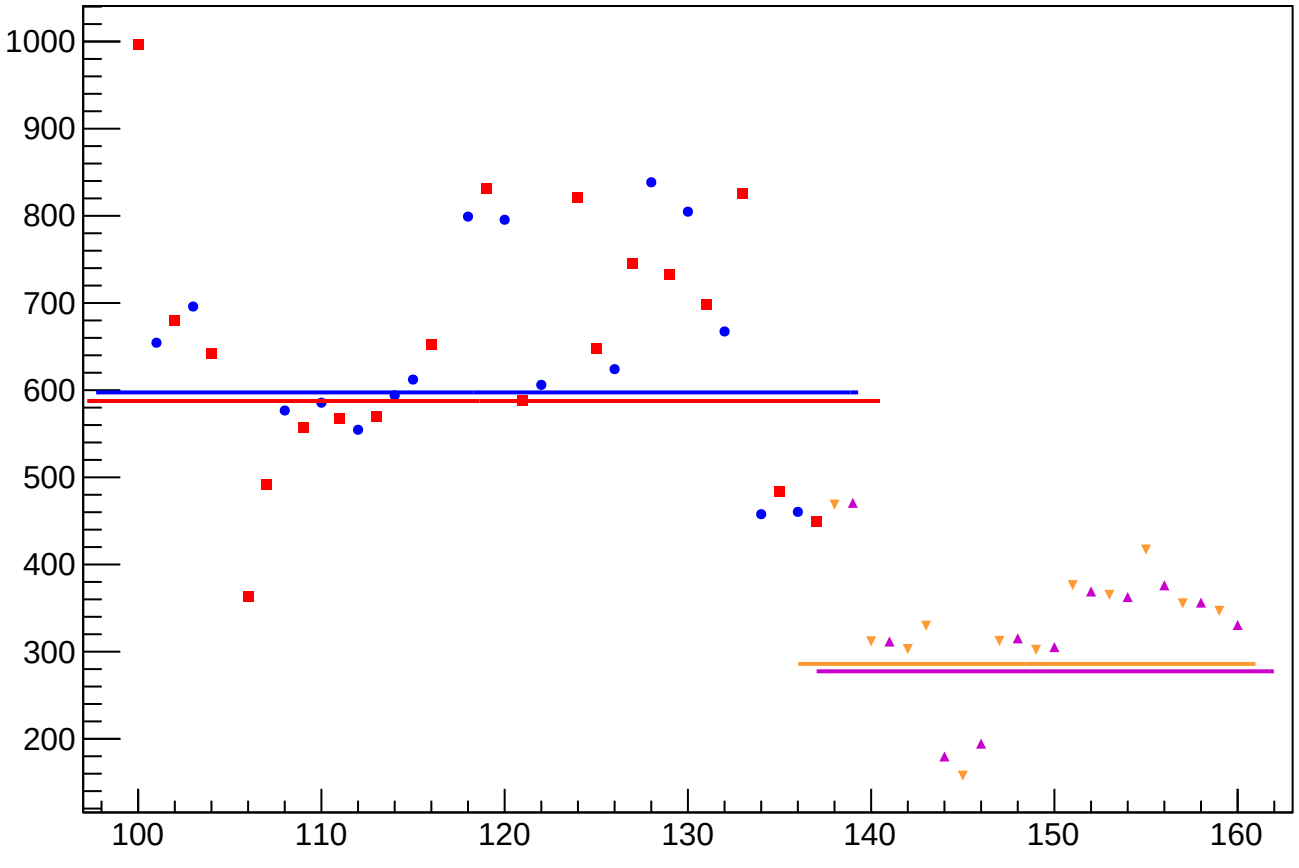
Left: -174.217+/-68.015 χ^2/NDF: 55.6/22

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 24.988+/-87.509 χ^2/NDF:32.0/26

Out: -281.230+/-89.319 χ^2/NDF:63.7/30

All: -124.987+/-62.508 χ^2/NDF: 101.7/57



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: 277.459+/-0.067 χ^2/NDF:1568533.5/10

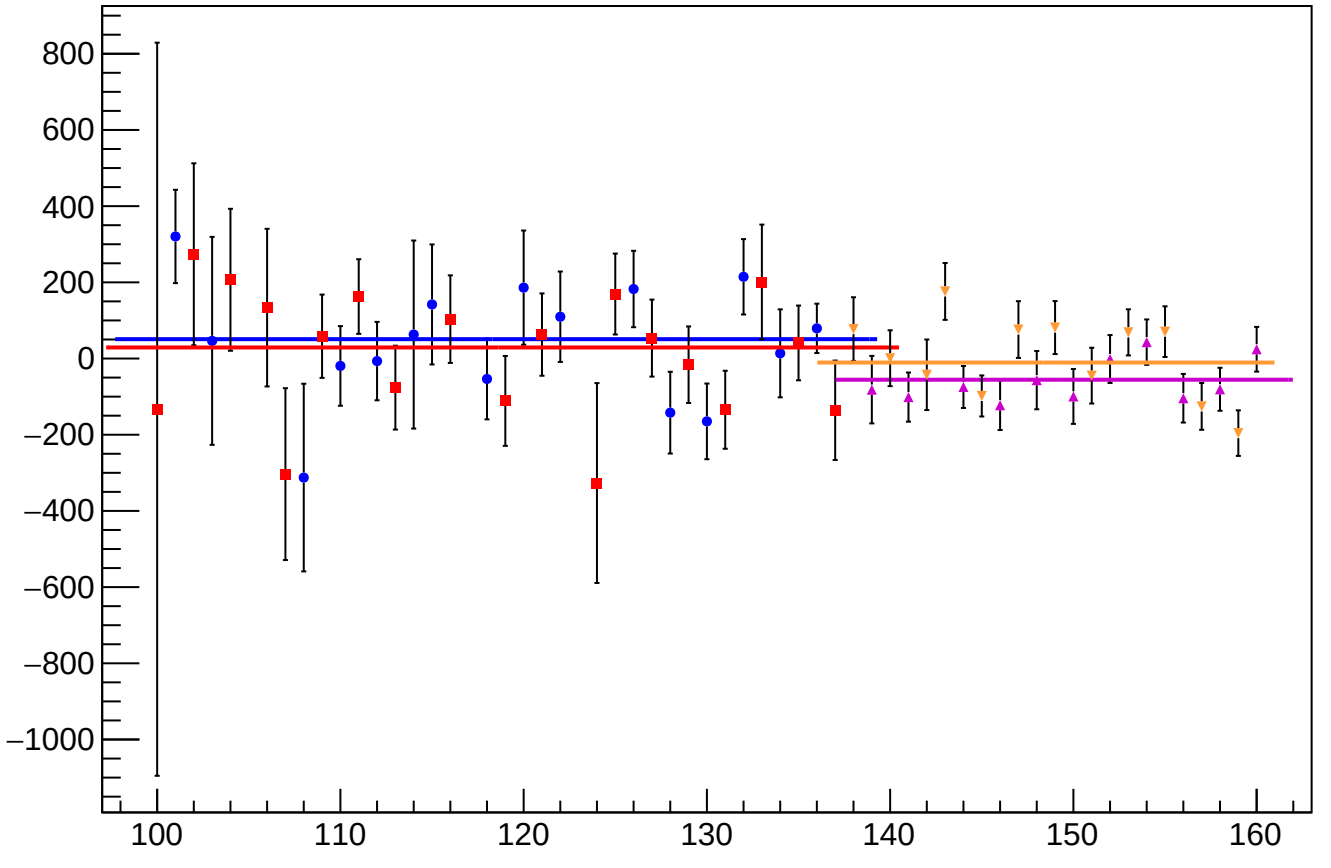
Left: 281.574+/-0.048 χ^2/NDF: 3388295.7/22

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 324.682+/-0.062 χ^2/NDF:5466349.0/26

Out: 335.253+/-0.063 χ^2/NDF:5620089.9/30

All: 329.860+/-0.044 χ^2/NDF: 11100732.2/57



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: -55.627+/-19.309 χ^2/NDF:8.3/10

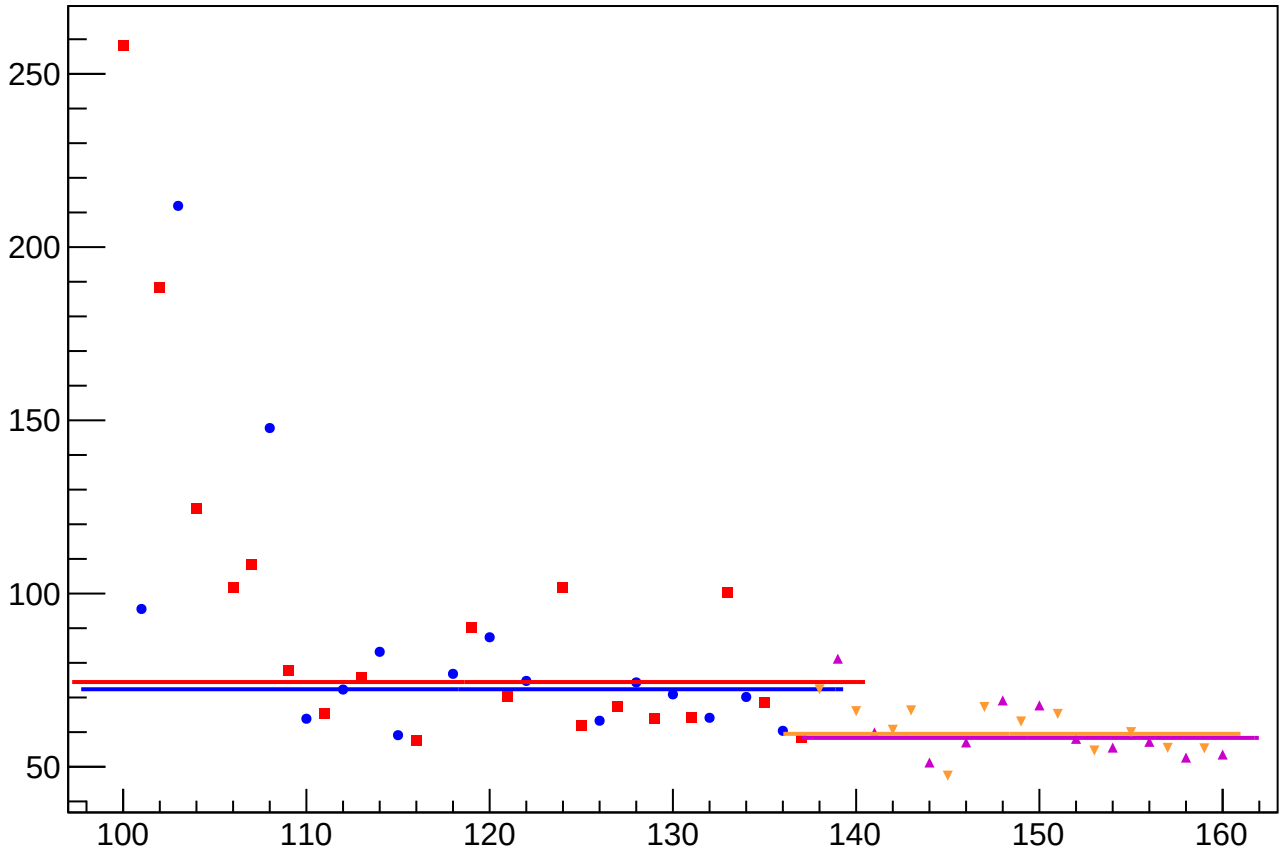
Left: -33.479+/-13.776 χ^2/NDF: 40.7/22

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -21.833+/-15.953 χ^2/NDF:40.8/26

Out: 1.986+/-16.256 χ^2/NDF:49.6/30

All: -10.148+/-11.386 χ^2/NDF: 91.4/57



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: 58.337+/-0.014 χ^2/NDF:281230.7/10

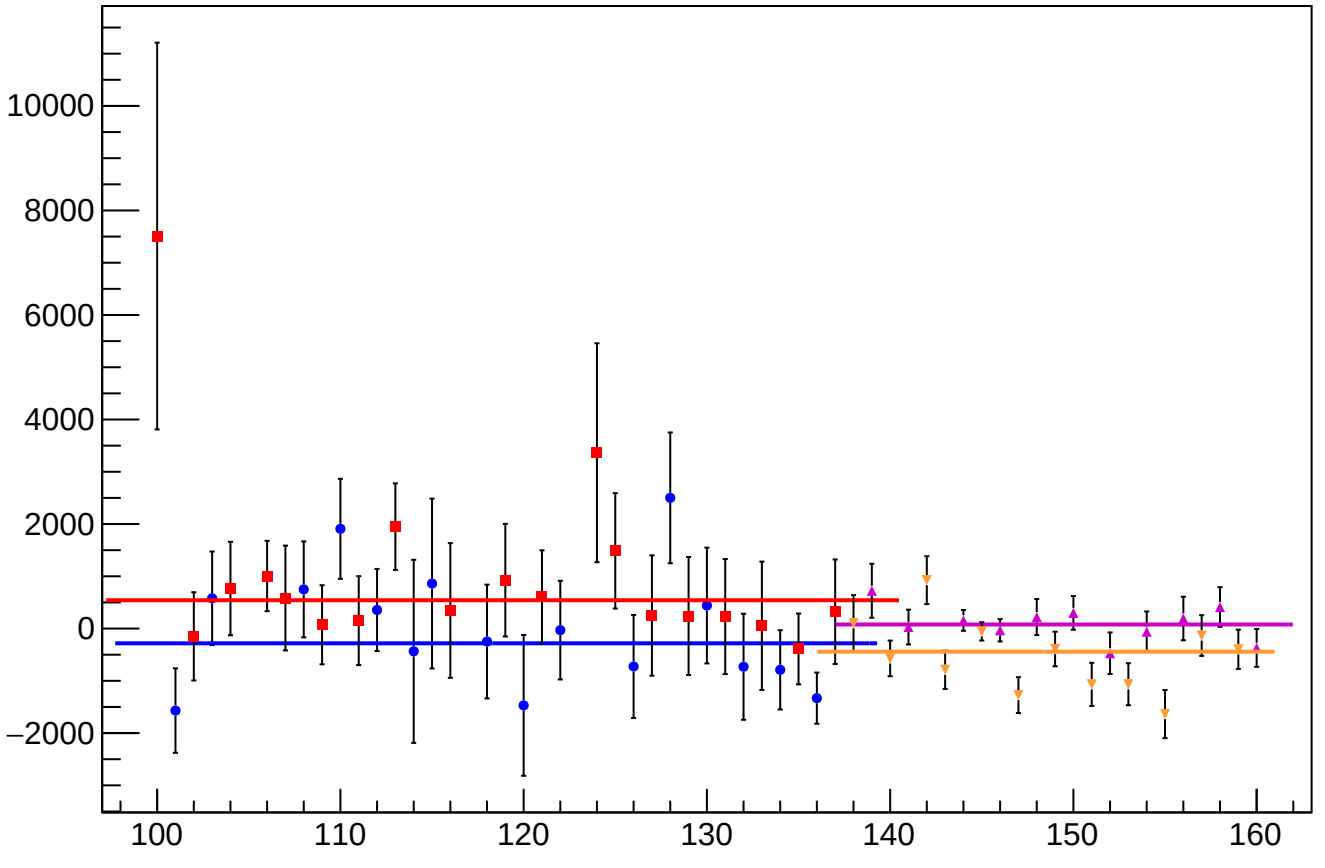
Left: 58.913+/-0.010 χ^2/NDF: 535799.6/22

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 62.794+/-0.011 χ^2/NDF:1555054.8/26

Out: 64.239+/-0.011 χ^2/NDF:1669096.4/30

All: 63.503+/-0.008 χ^2/NDF: 3232198.6/57



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: 78.144+/-94.782 χ^2/NDF:7.1/10

Left: -174.217+/-68.015 χ^2/NDF: 55.6/22

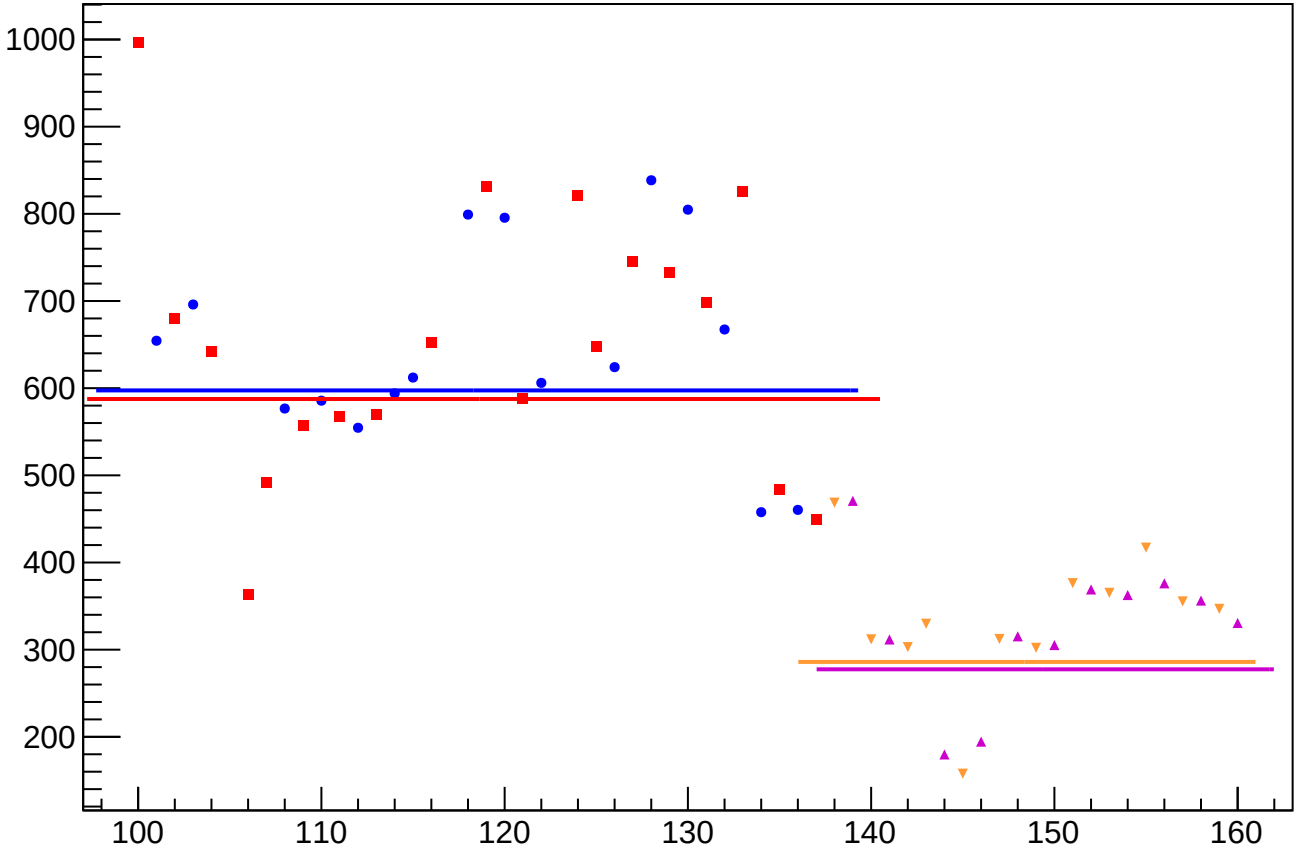
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 24.988+/-87.509 χ^2/NDF:32.0/26

Out: -281.231+/-89.319 χ^2/NDF:63.7/30

All: -124.987+/-62.508 χ^2/NDF: 101.7/57

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: 277.459+/-0.067 χ^2/NDF:1568526.5/10

Left: 281.574+/-0.048 χ^2/NDF: 3388277.6/22

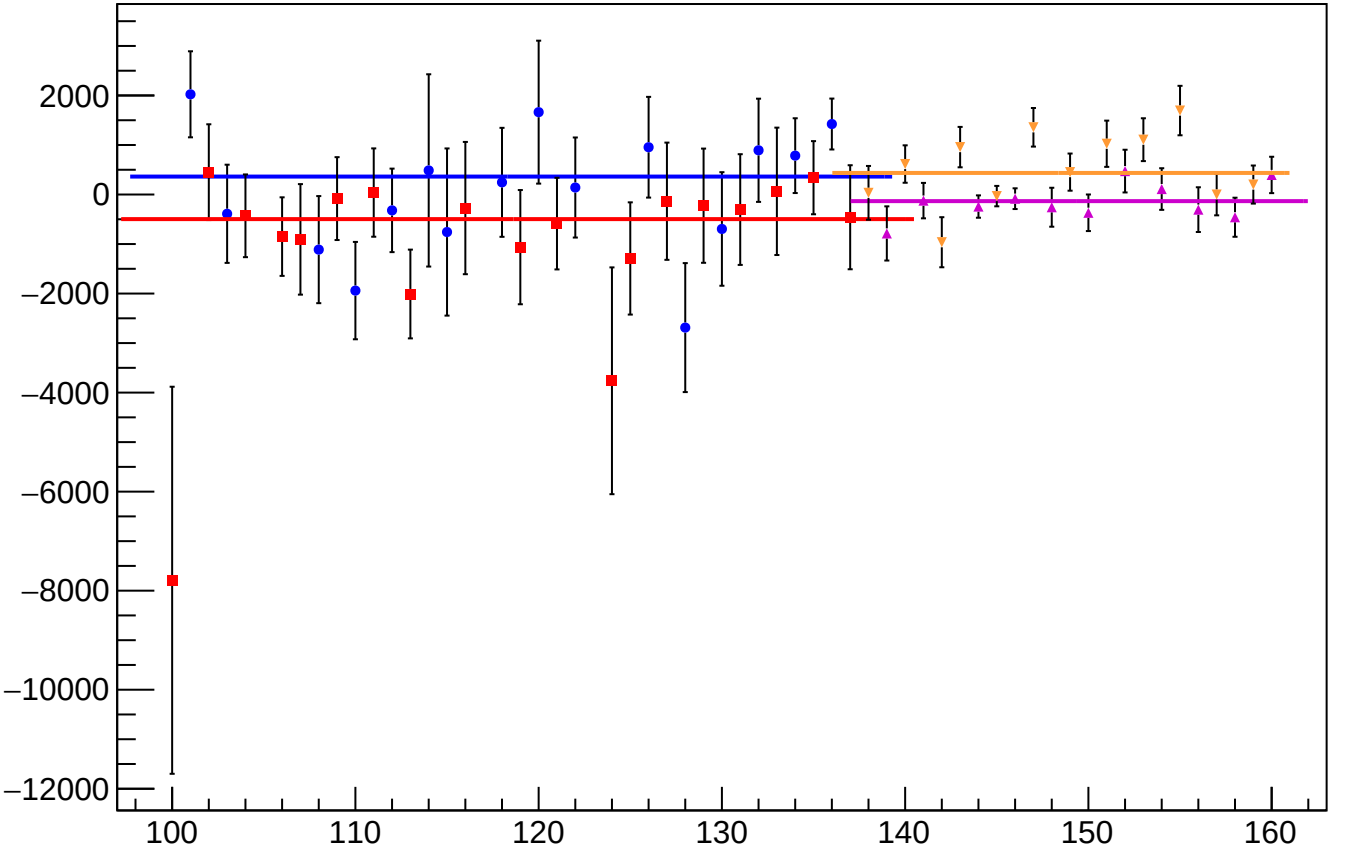
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 324.682+/-0.062 χ^2/NDF:5466351.5/26

Out: 335.253+/-0.063 χ^2/NDF:5620079.0/30

All: 329.859+/-0.044 χ^2/NDF: 11100723.9/57

asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -133.577+/-101.463 χ^2/NDF:7.4/10

Left: 130.376+/-74.313 χ^2/NDF: 54.7/22

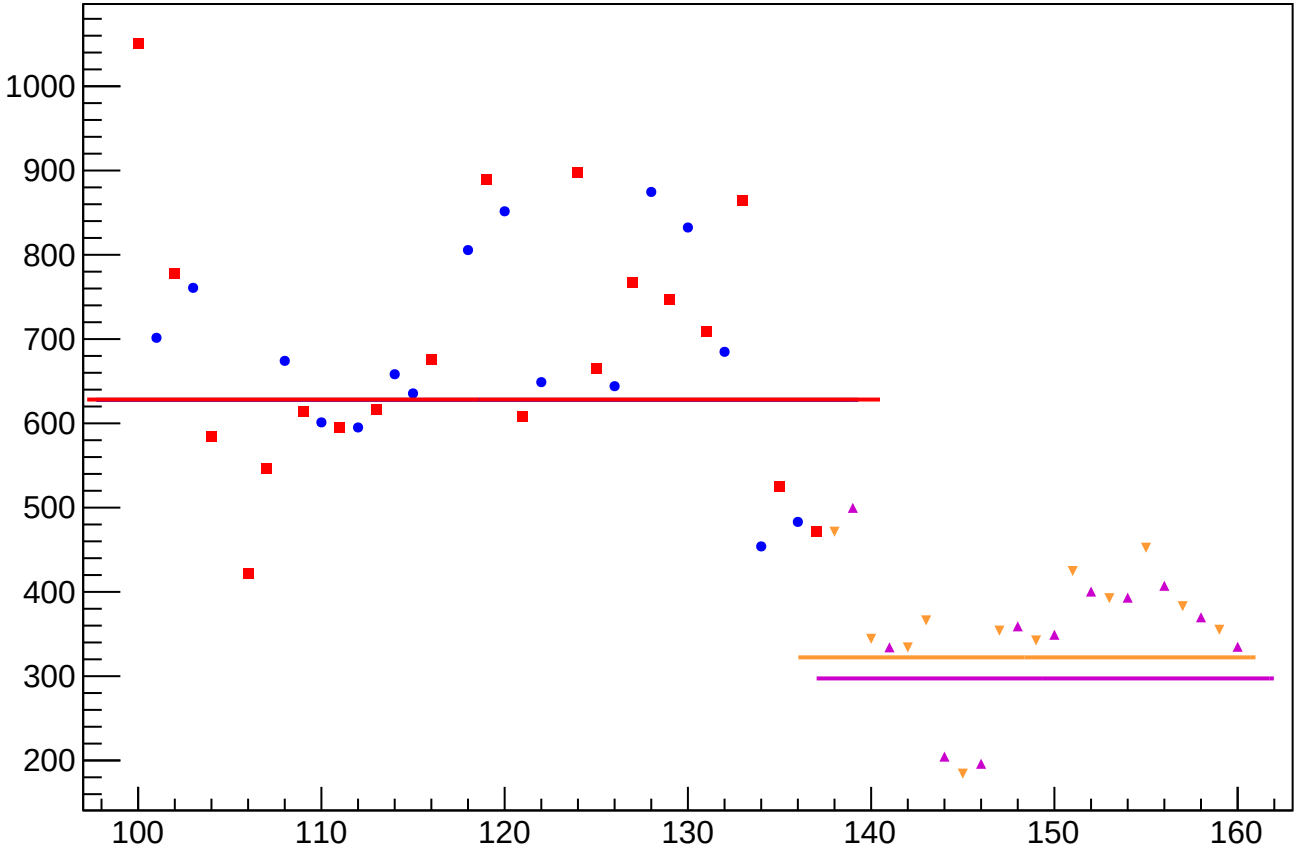
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -58.537+/-93.472 χ^2/NDF:36.1/26

Out: 271.547+/-99.066 χ^2/NDF:58.2/30

All: 96.924+/-67.986 χ^2/NDF: 100.2/57

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: 297.327+/-0.072 χ^2/NDF:1614157.0/10

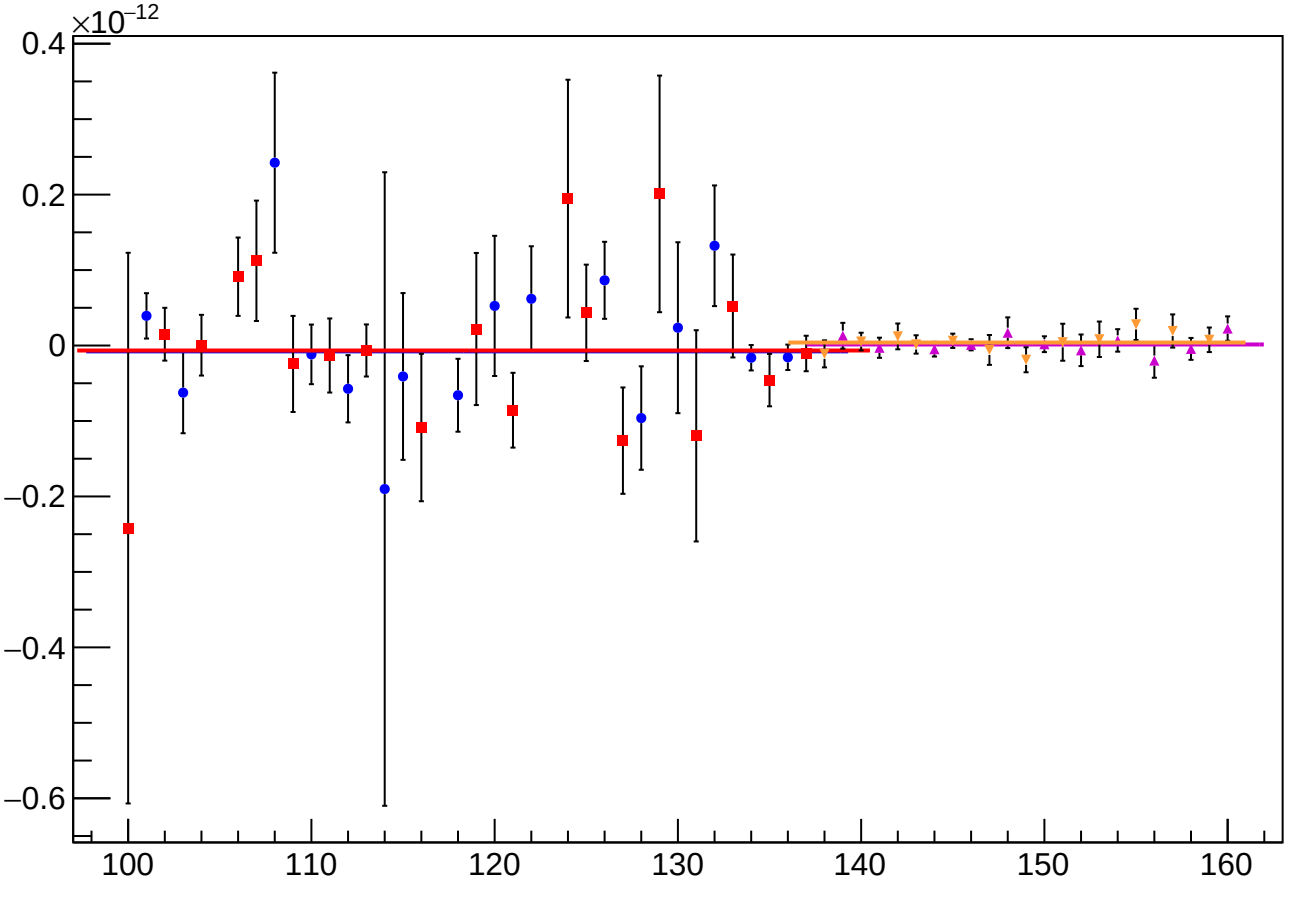
Left: 308.917+/-0.053 χ^2/NDF: 3109582.7/22

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 347.343+/-0.066 χ^2/NDF:5393038.7/26

Out: 376.220+/-0.070 χ^2/NDF:4778105.2/30

All: 360.944+/-0.048 χ^2/NDF: 10261040.8/57



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:4.6/10

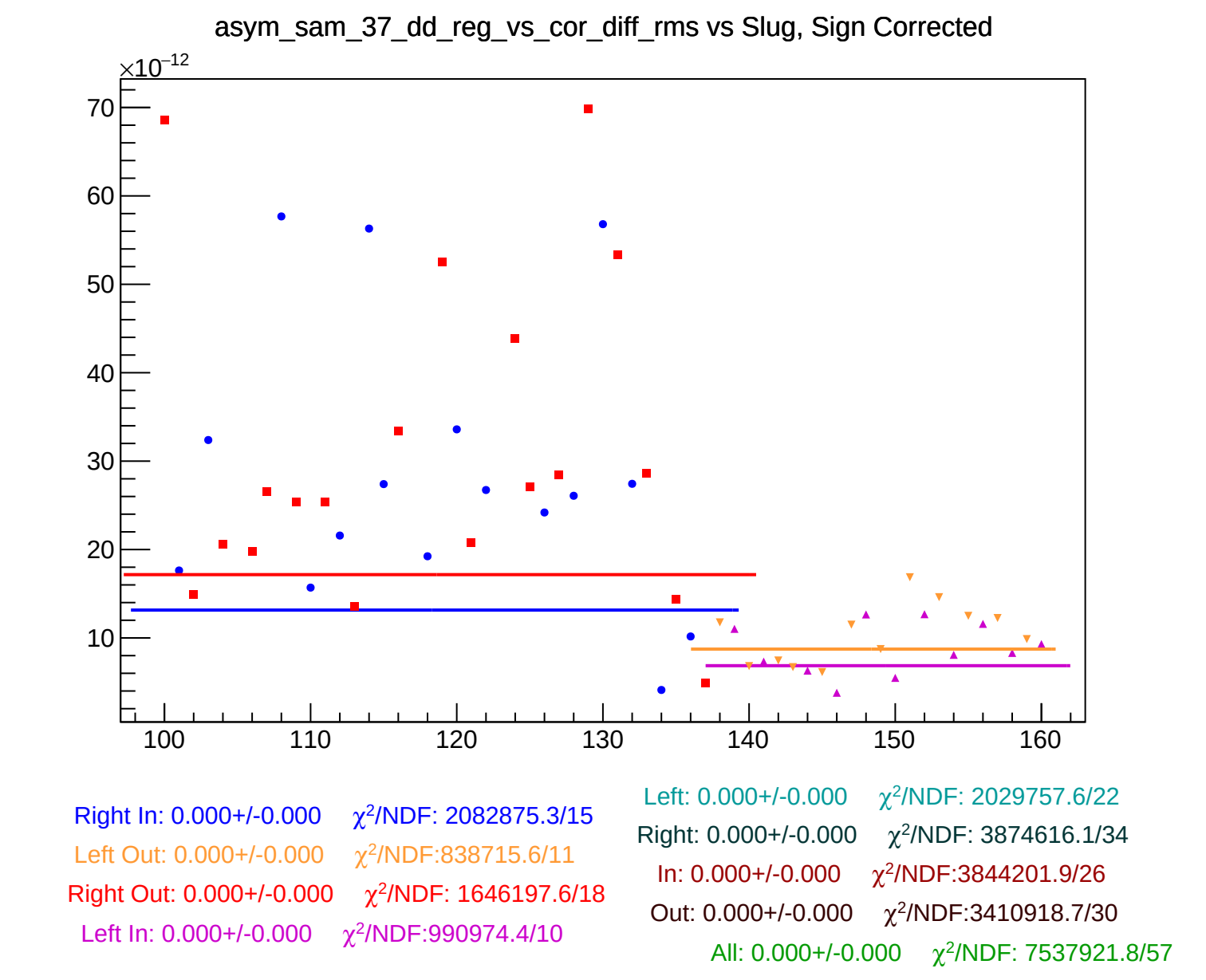
Left: 0.000+/-0.000 χ^2/NDF: 9.9/22

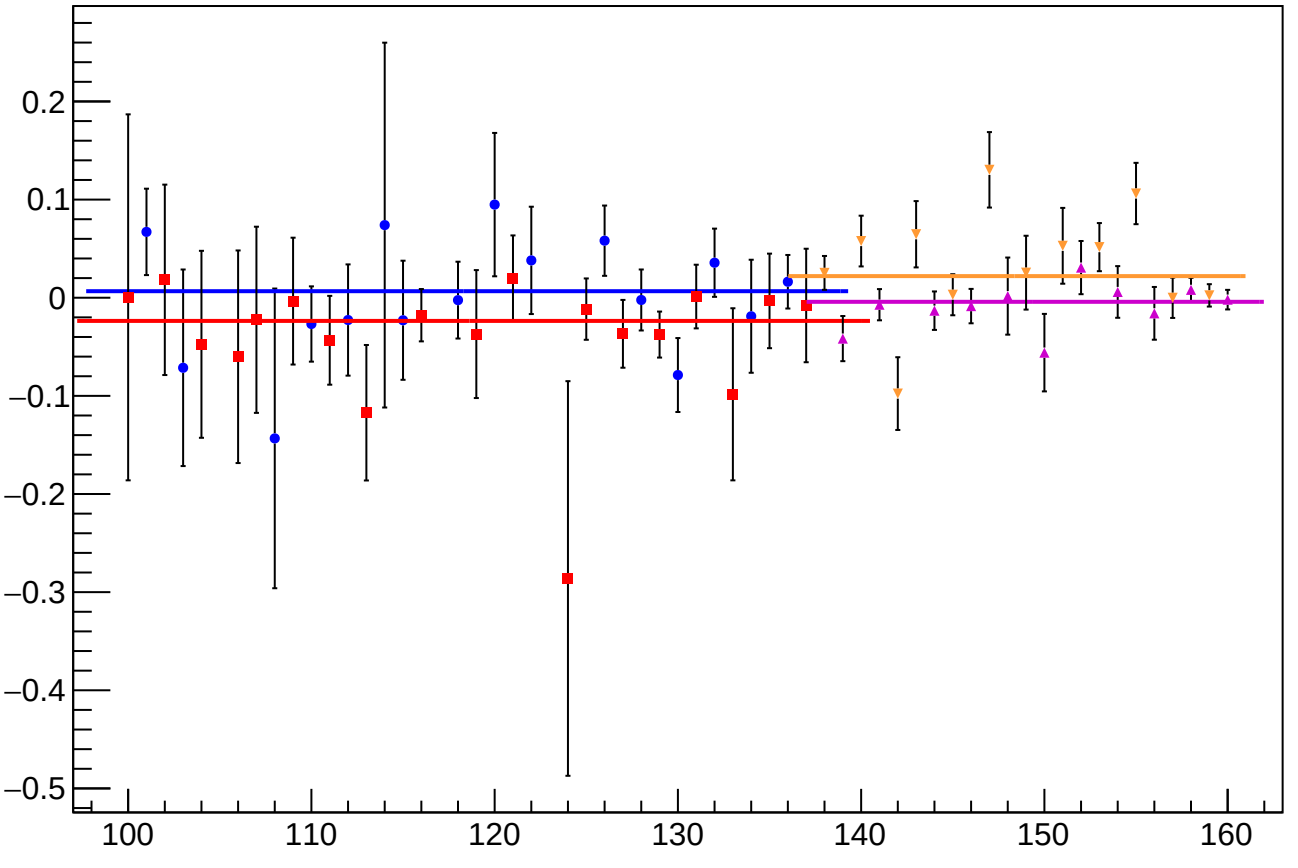
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:26.3/26

Out: 0.000+/-0.000 χ^2/NDF:25.8/30

All: 0.000+/-0.000 χ^2/NDF: 52.4/57


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:990974.4/10
Left: 0.000+/-0.000 χ²/NDF: 2029757.6/22
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3844201.9/26
Out: 0.000+/-0.000 χ²/NDF:3410918.7/30
All: 0.000+/-0.000 χ²/NDF: 7537921.8/57



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: -0.004+/-0.005 χ^2/NDF:7.7/10

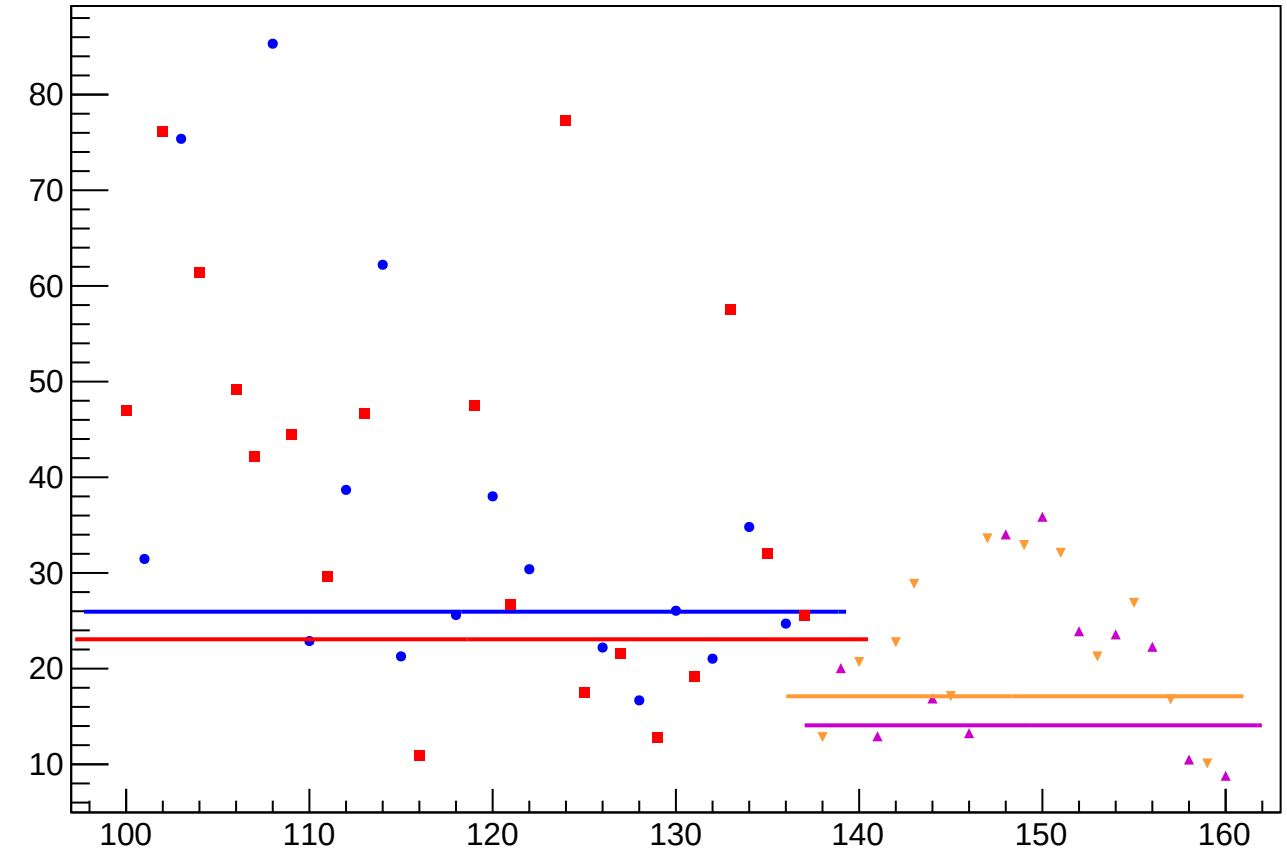
Left: 0.007+/-0.004 χ^2/NDF: 53.5/22

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.003+/-0.004 χ^2/NDF: 83.3/57



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: 14.074+/-0.004 χ^2/NDF:2756762.7/10

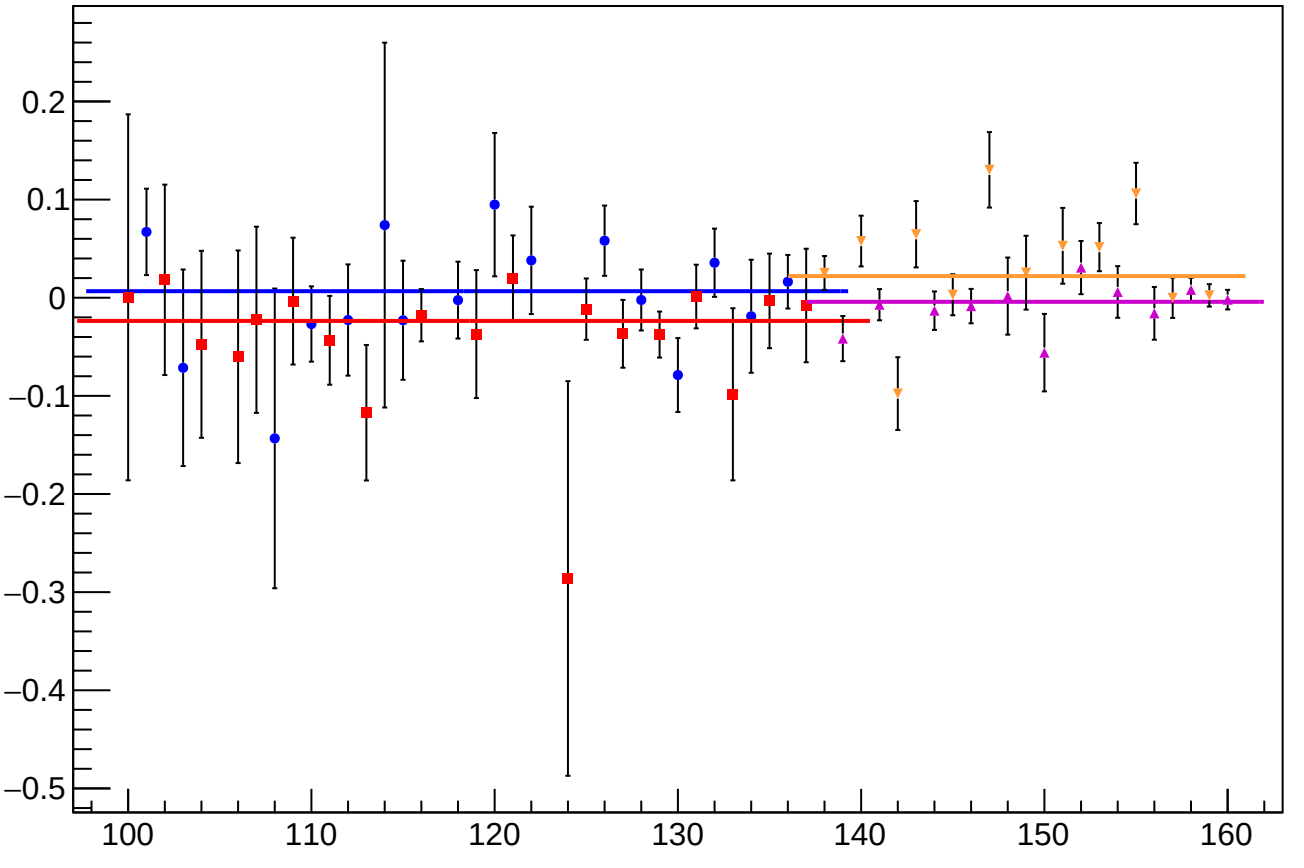
Left: 15.317+/-0.003 χ^2/NDF: 5495928.3/22

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.366+/-0.003 χ^2/NDF:5985793.5/26

Out: 18.765+/-0.004 χ^2/NDF:6308629.6/30

All: 17.414+/-0.003 χ^2/NDF: 12505700.4/57



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: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.5/22

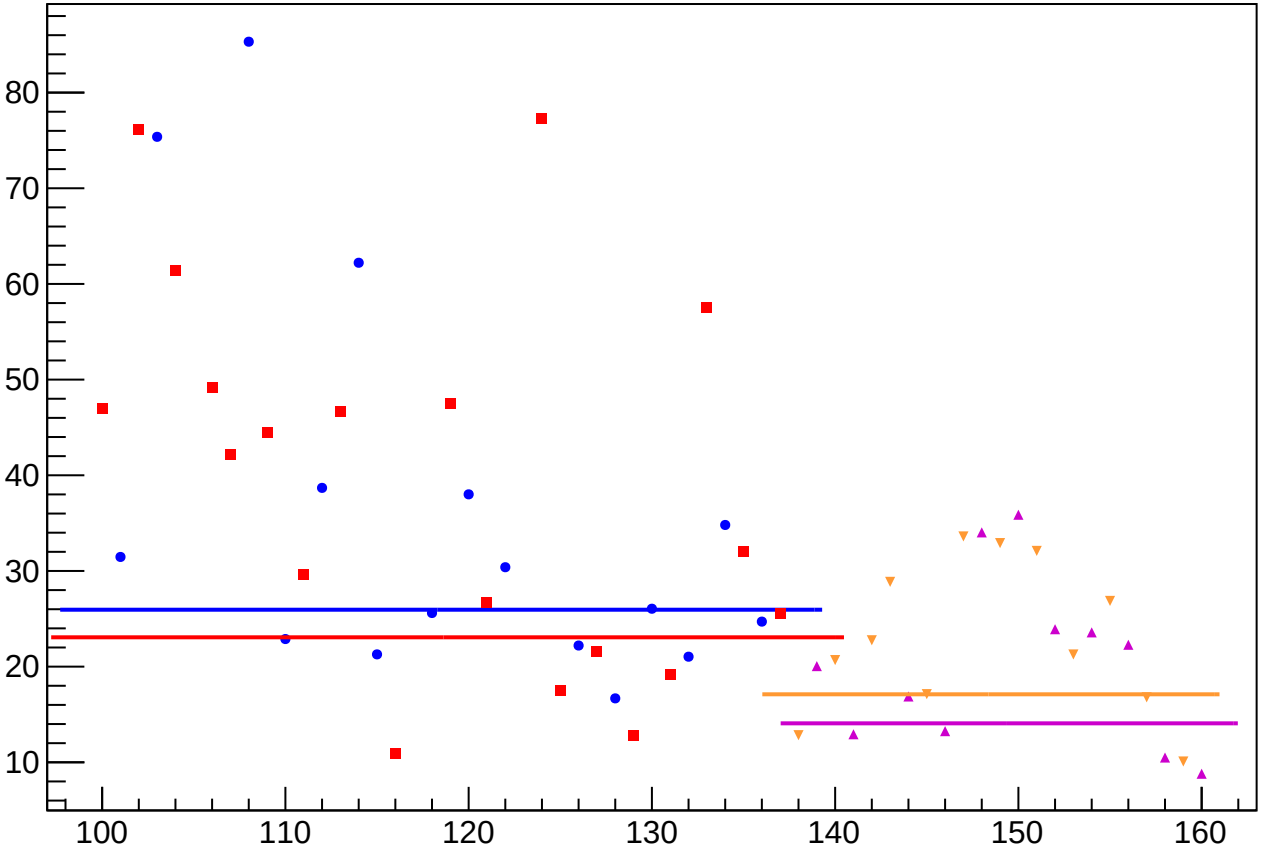
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.003+/-0.004 χ^2/NDF: 83.3/57

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: 14.074+/-0.004 χ^2/NDF:2756762.7/10

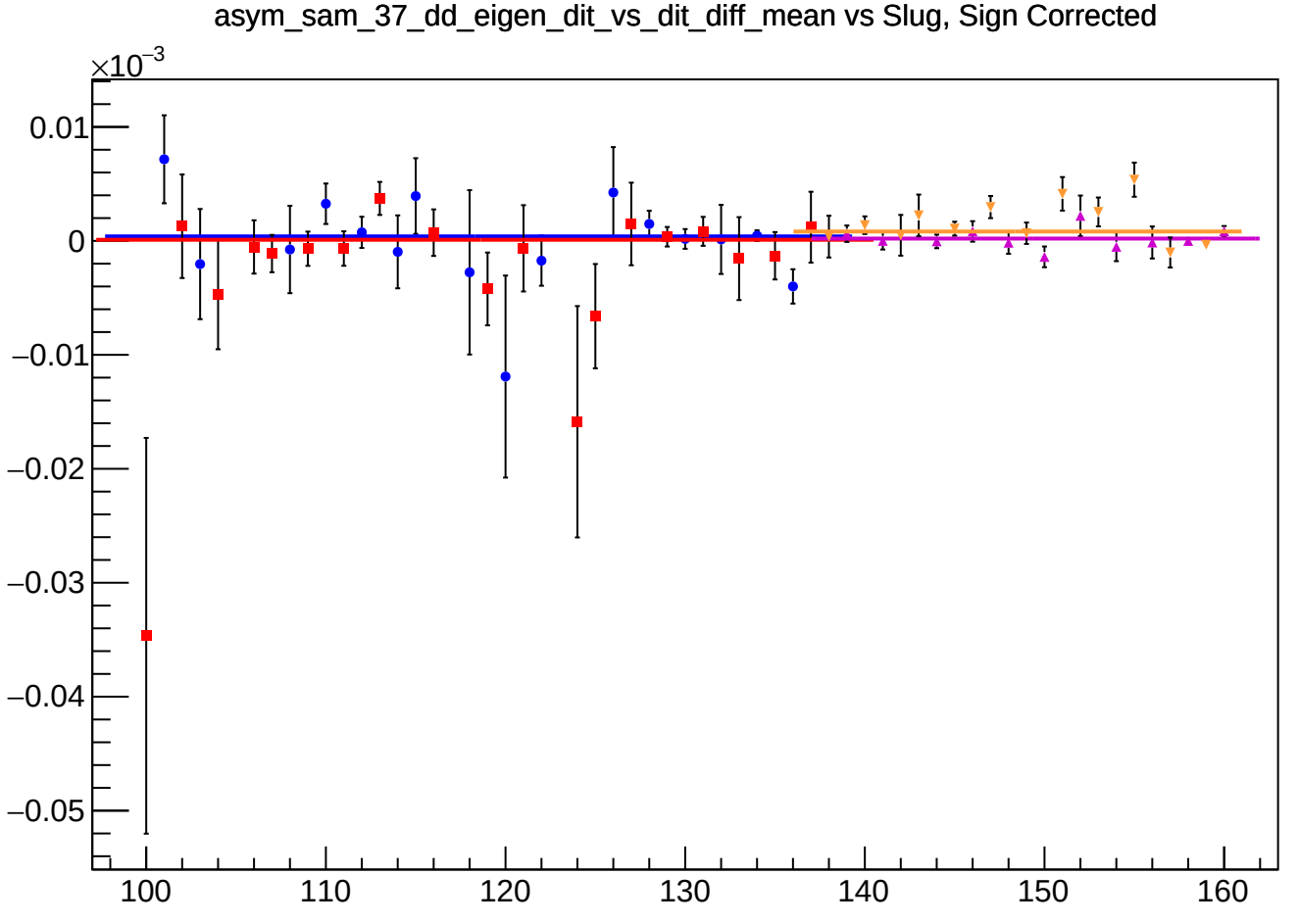
Left: 15.317+/-0.003 χ^2/NDF: 5495928.3/22

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.366+/-0.003 χ^2/NDF:5985793.5/26

Out: 18.765+/-0.004 χ^2/NDF:6308629.6/30

All: 17.414+/-0.003 χ^2/NDF: 12505700.4/57



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:8.1/10

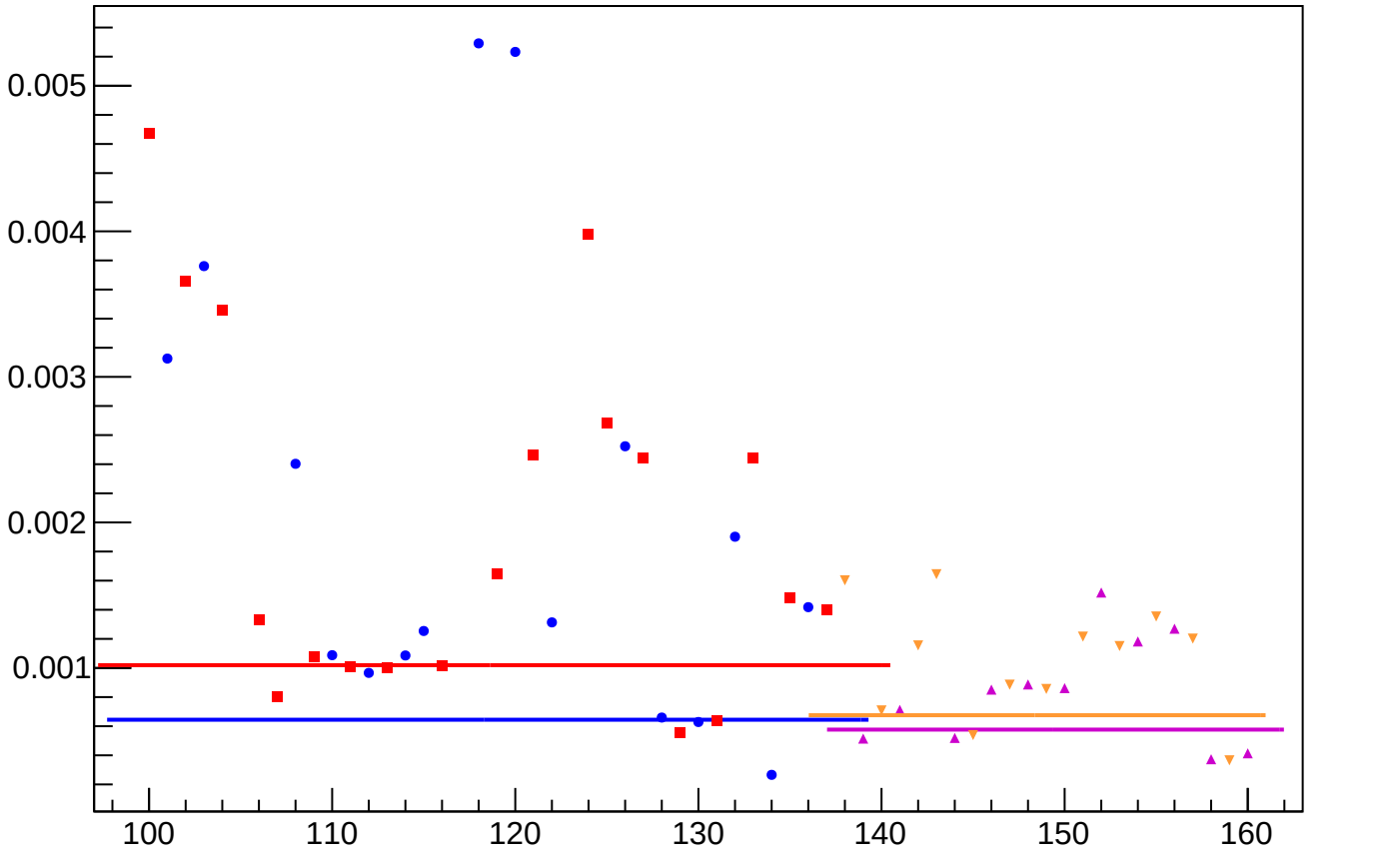
Left: 0.000+/-0.000 χ^2/NDF: 44.7/22

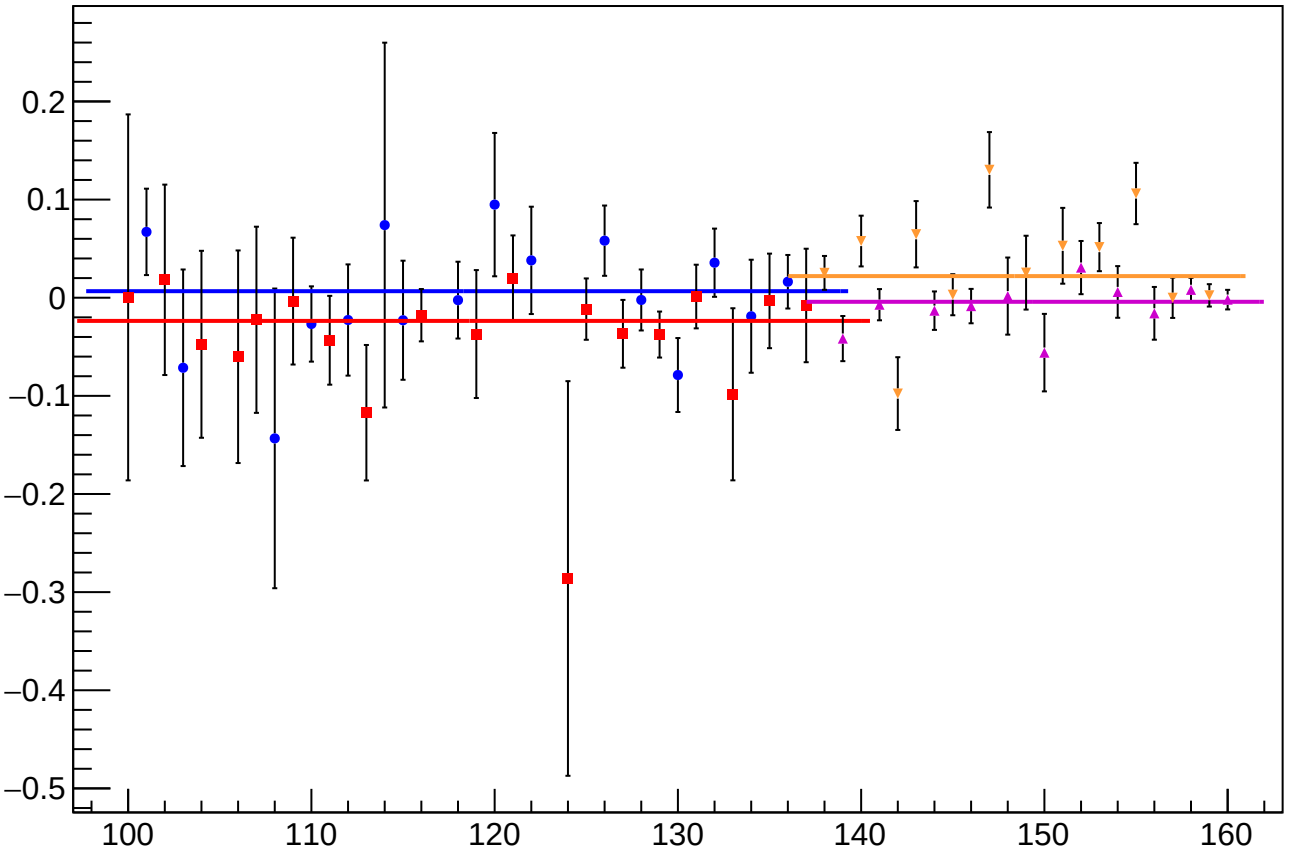
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:29.2/26

Out: 0.000+/-0.000 χ^2/NDF:55.4/30

All: 0.000+/-0.000 χ^2/NDF: 86.6/57


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.001+/-0.000 χ²/NDF:3999880.0/11
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.001+/-0.000 χ²/NDF:2940497.9/10
Left: 0.001+/-0.000 χ²/NDF: 7121784.5/22
Right: 0.001+/-0.000 χ²/NDF: 11121544.1/34
In: 0.001+/-0.000 χ²/NDF:9573476.2/26
Out: 0.001+/-0.000 χ²/NDF:8554355.9/30
All: 0.001+/-0.000 χ²/NDF: 18773795.0/57



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: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.5/22

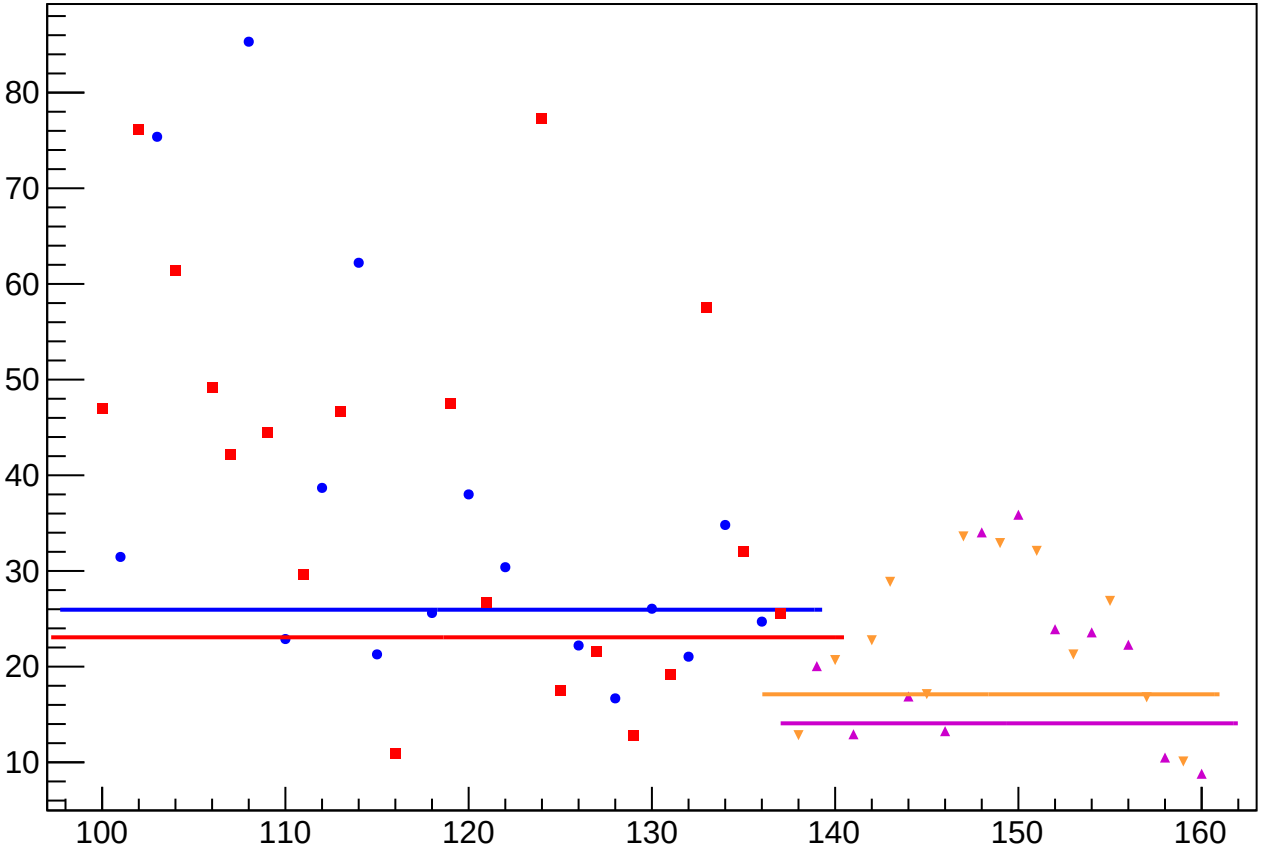
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.003+/-0.004 χ^2/NDF: 83.3/57

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: 14.074+/-0.004 χ^2/NDF:2756925.2/10

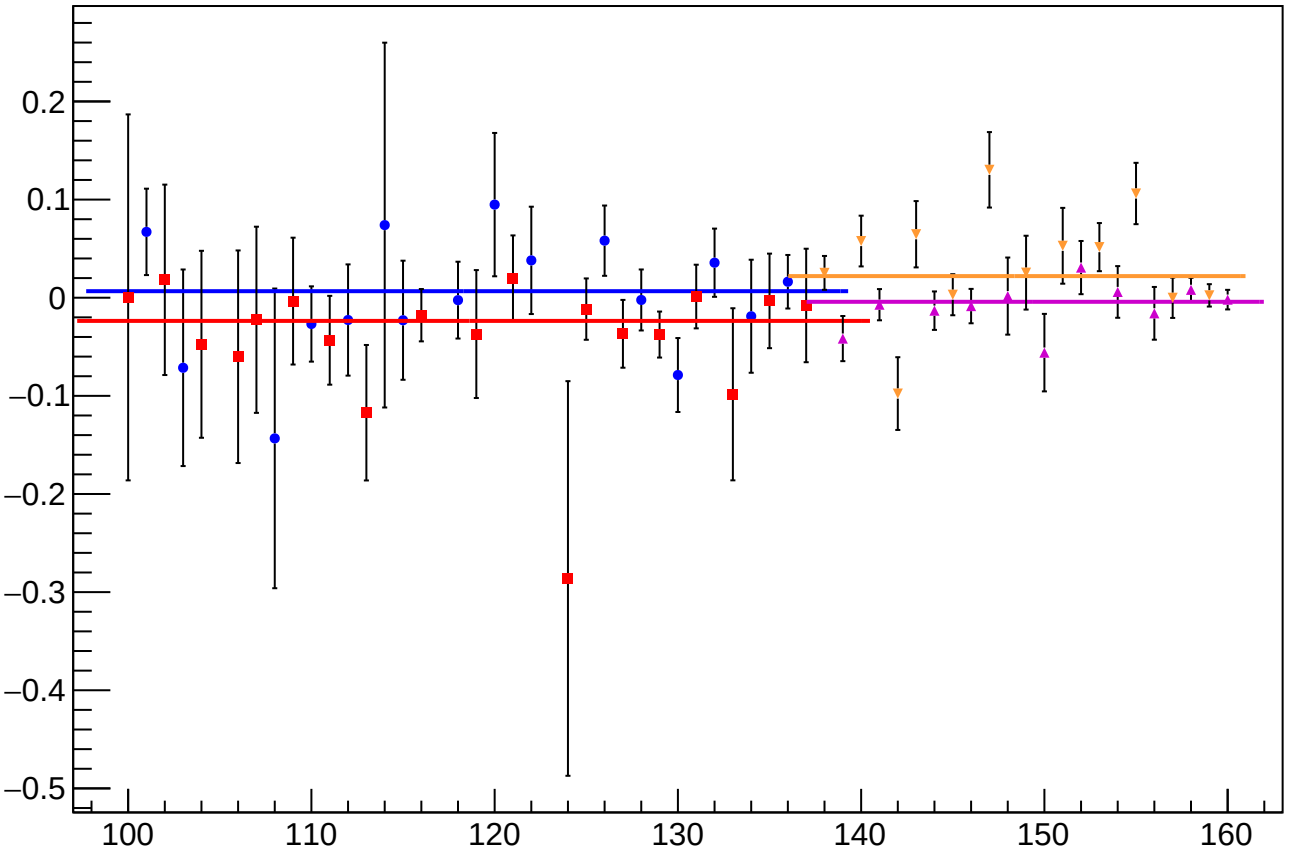
Left: 15.317+/-0.003 χ^2/NDF: 5496282.5/22

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.366+/-0.003 χ^2/NDF:5985970.0/26

Out: 18.765+/-0.004 χ^2/NDF:6308622.3/30

All: 17.414+/-0.003 χ^2/NDF: 12505916.0/57



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: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.5/22

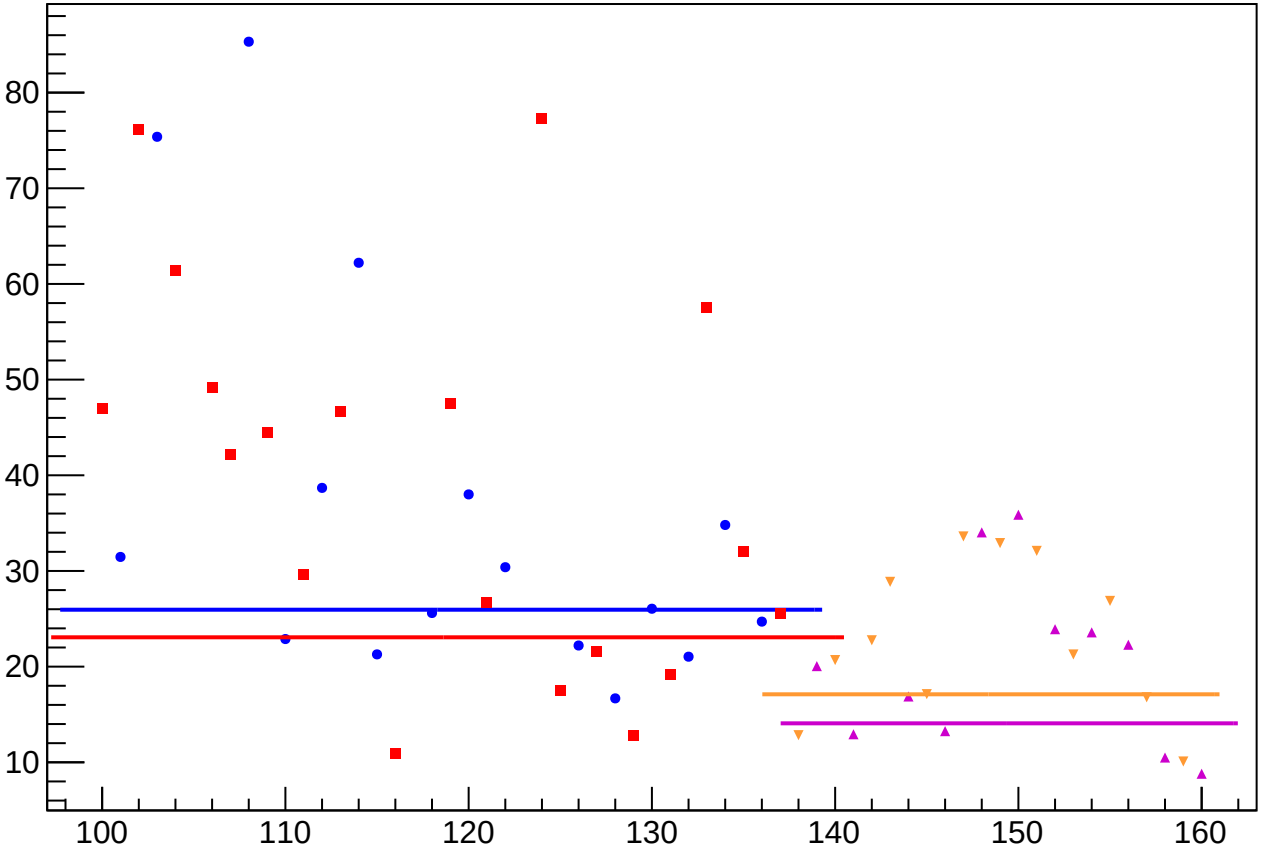
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.009+/-0.006 χ^2/NDF:57.4/30

All: 0.003+/-0.004 χ^2/NDF: 83.3/57

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: 14.074+/-0.004 χ^2/NDF:2756925.2/10

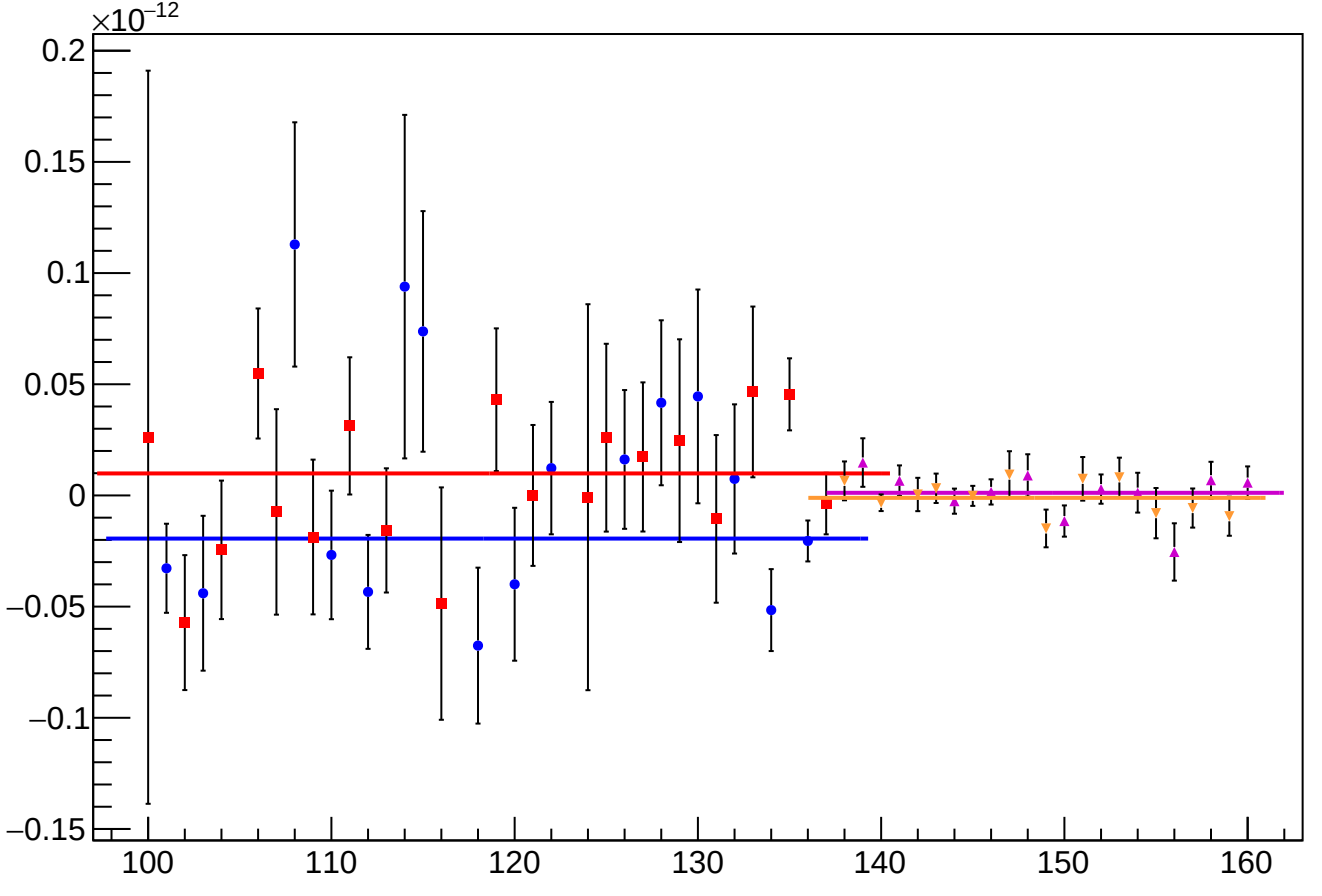
Left: 15.317+/-0.003 χ^2/NDF: 5496282.5/22

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.366+/-0.003 χ^2/NDF:5985970.0/26

Out: 18.765+/-0.004 χ^2/NDF:6308622.3/30

All: 17.414+/-0.003 χ^2/NDF: 12505916.0/57



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:11.8/10

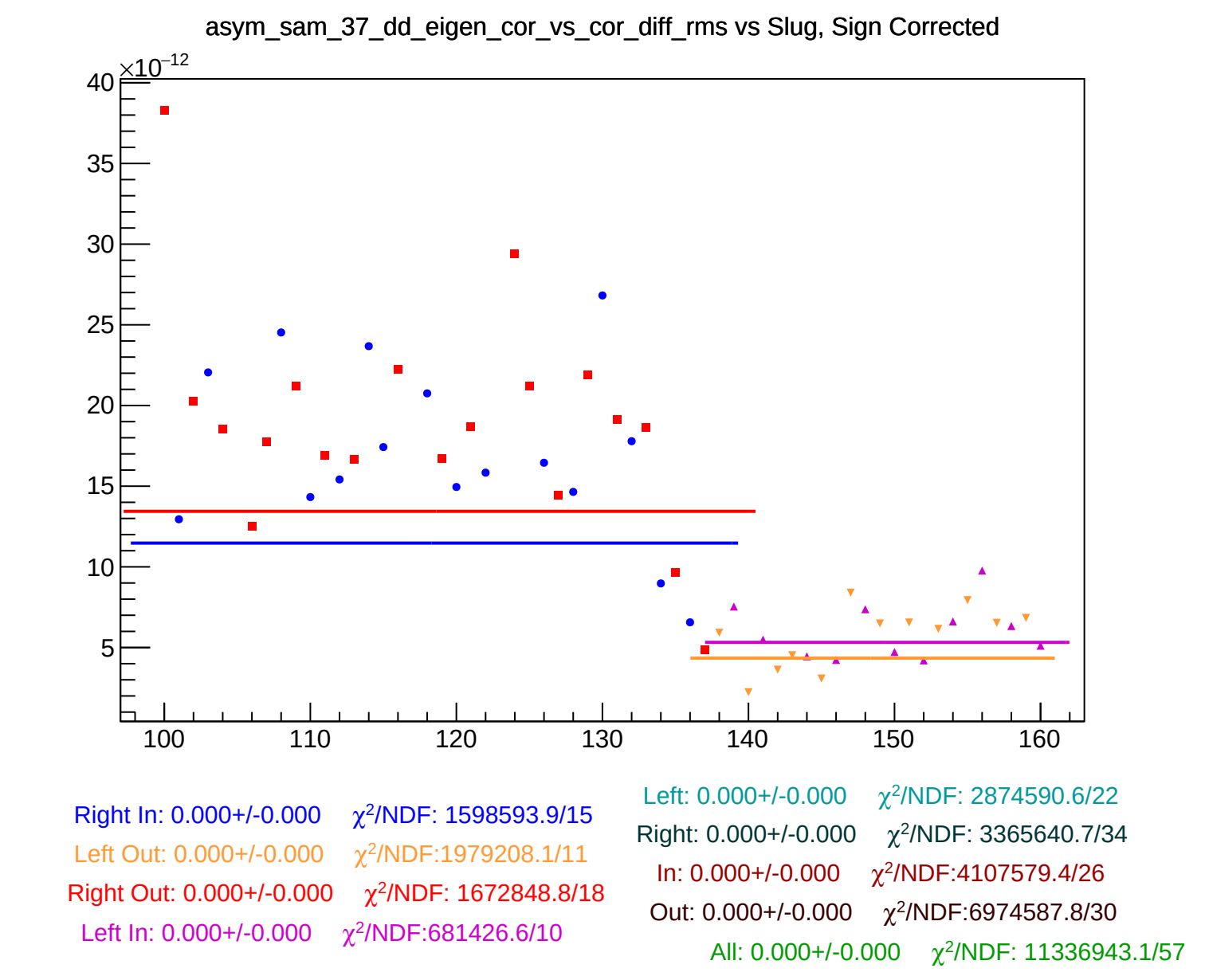
Left: -0.000+/-0.000 χ^2/NDF: 20.9/22

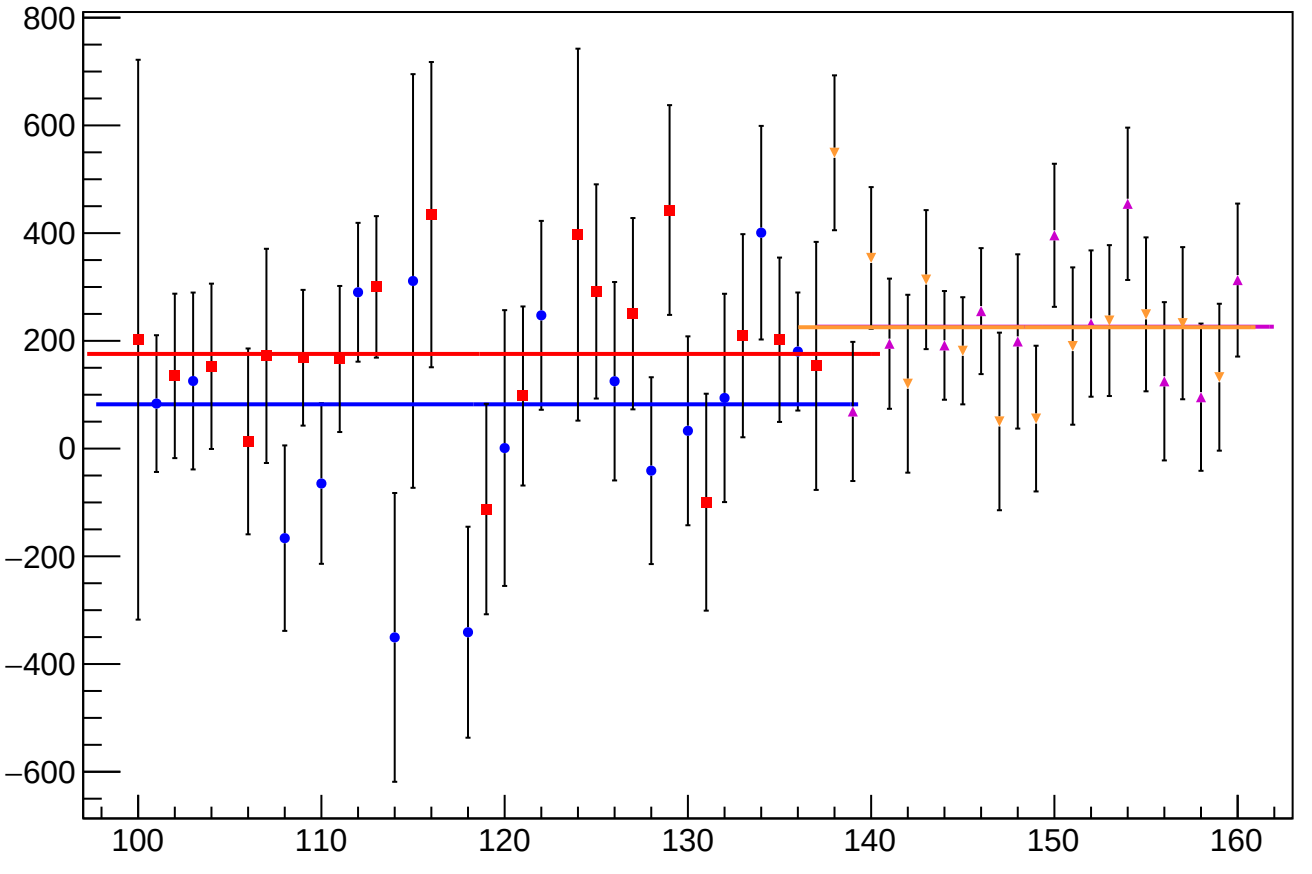
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:47.6/26

Out: -0.000+/-0.000 χ^2/NDF:31.4/30

All: -0.000+/-0.000 χ^2/NDF: 79.1/57


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:681426.6/10
Left: 0.000+/-0.000 χ²/NDF: 2874590.6/22
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:4107579.4/26
Out: 0.000+/-0.000 χ²/NDF:6974587.8/30
All: 0.000+/-0.000 χ²/NDF: 11336943.1/57



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: 226.286+/-39.277 χ^2/NDF:7.8/10

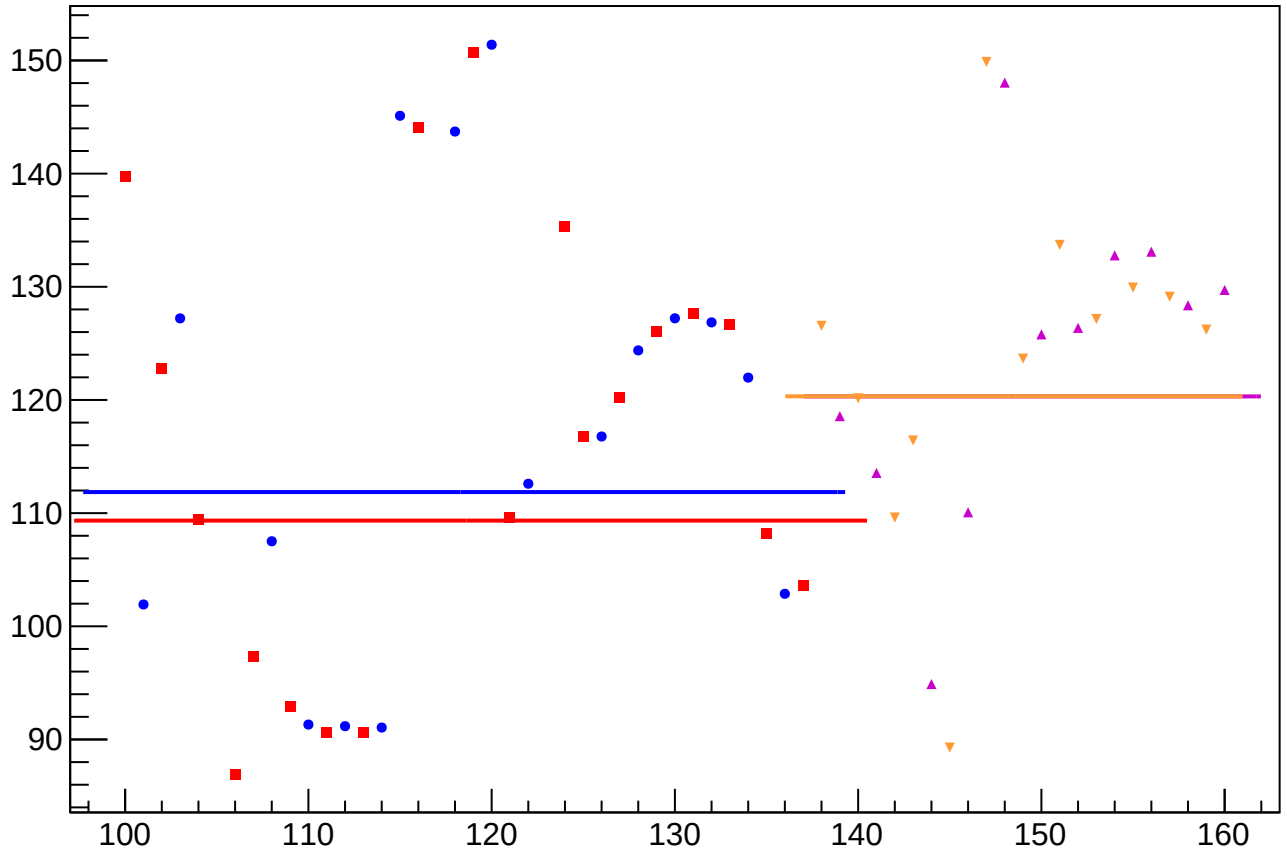
Left: 225.783+/-27.795 χ^2/NDF: 18.1/22

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 159.291+/-28.730 χ^2/NDF:32.4/26

Out: 201.332+/-28.277 χ^2/NDF:21.0/30

All: 180.645+/-20.153 χ^2/NDF: 54.5/57



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: 120.314+/-0.028 χ^2/NDF:261322.6/10

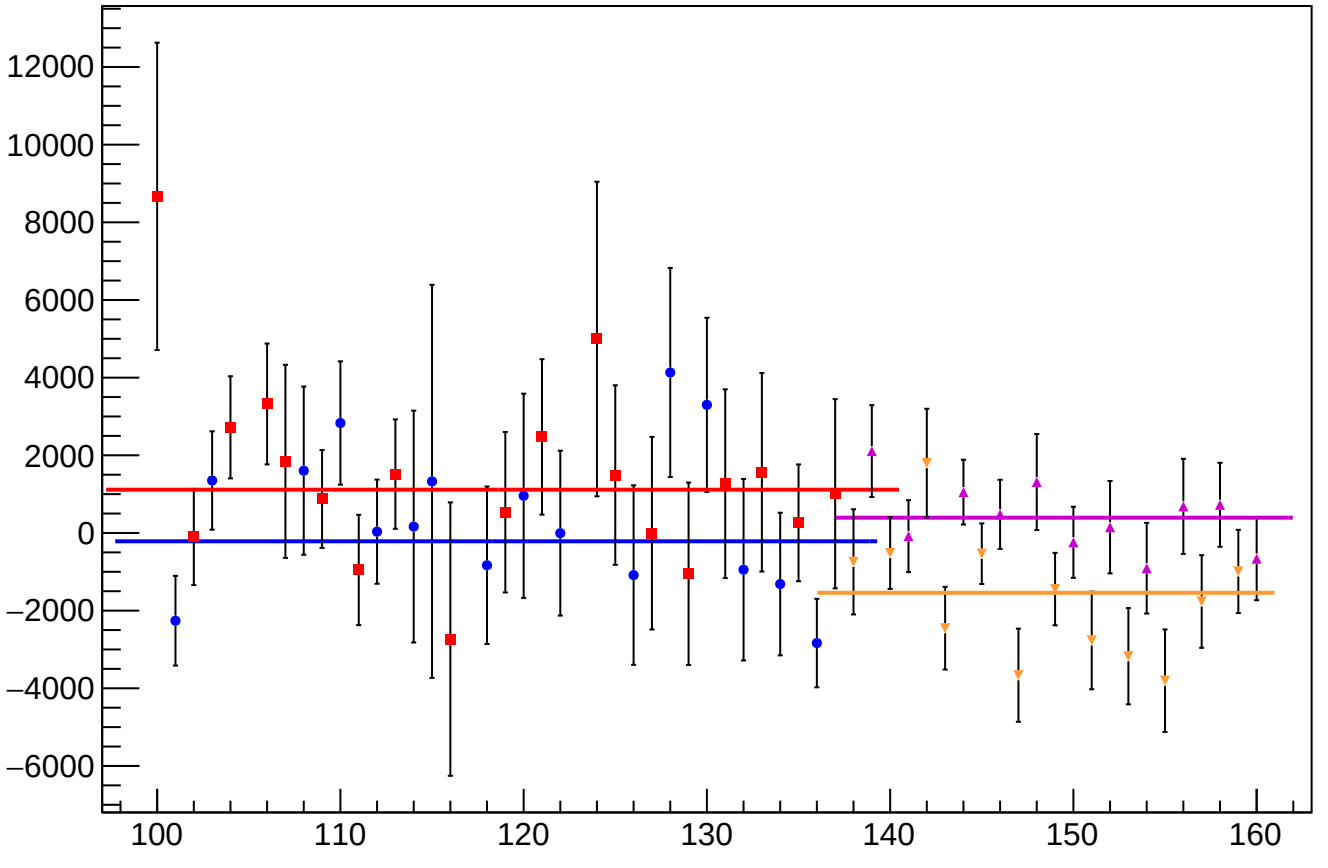
Left: 120.319+/-0.020 χ^2/NDF: 577644.7/22

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 116.384+/-0.020 χ^2/NDF:610412.4/26

Out: 115.015+/-0.020 χ^2/NDF:758898.8/30

All: 115.689+/-0.014 χ^2/NDF: 1371619.1/57



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: 393.627+/-312.200 χ^2/NDF:6.4/10

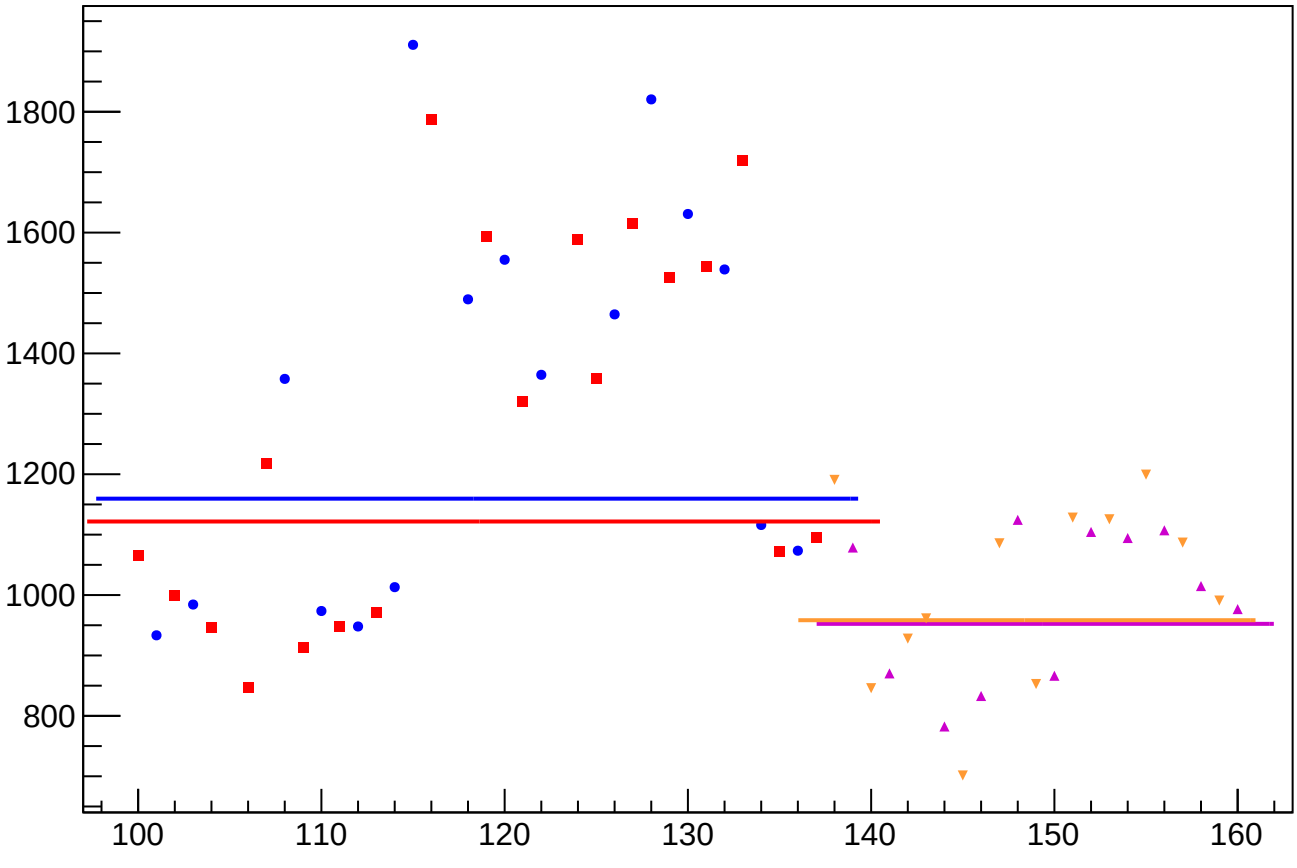
Left: -562.078+/-222.009 χ^2/NDF: 44.1/22

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 192.511+/-255.378 χ^2/NDF:28.1/26

Out: -589.982+/-253.046 χ^2/NDF:58.6/30

All: -202.324+/-179.750 χ^2/NDF: 91.4/57



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: 952.336+/-0.221 χ^2/NDF:315794.9/10

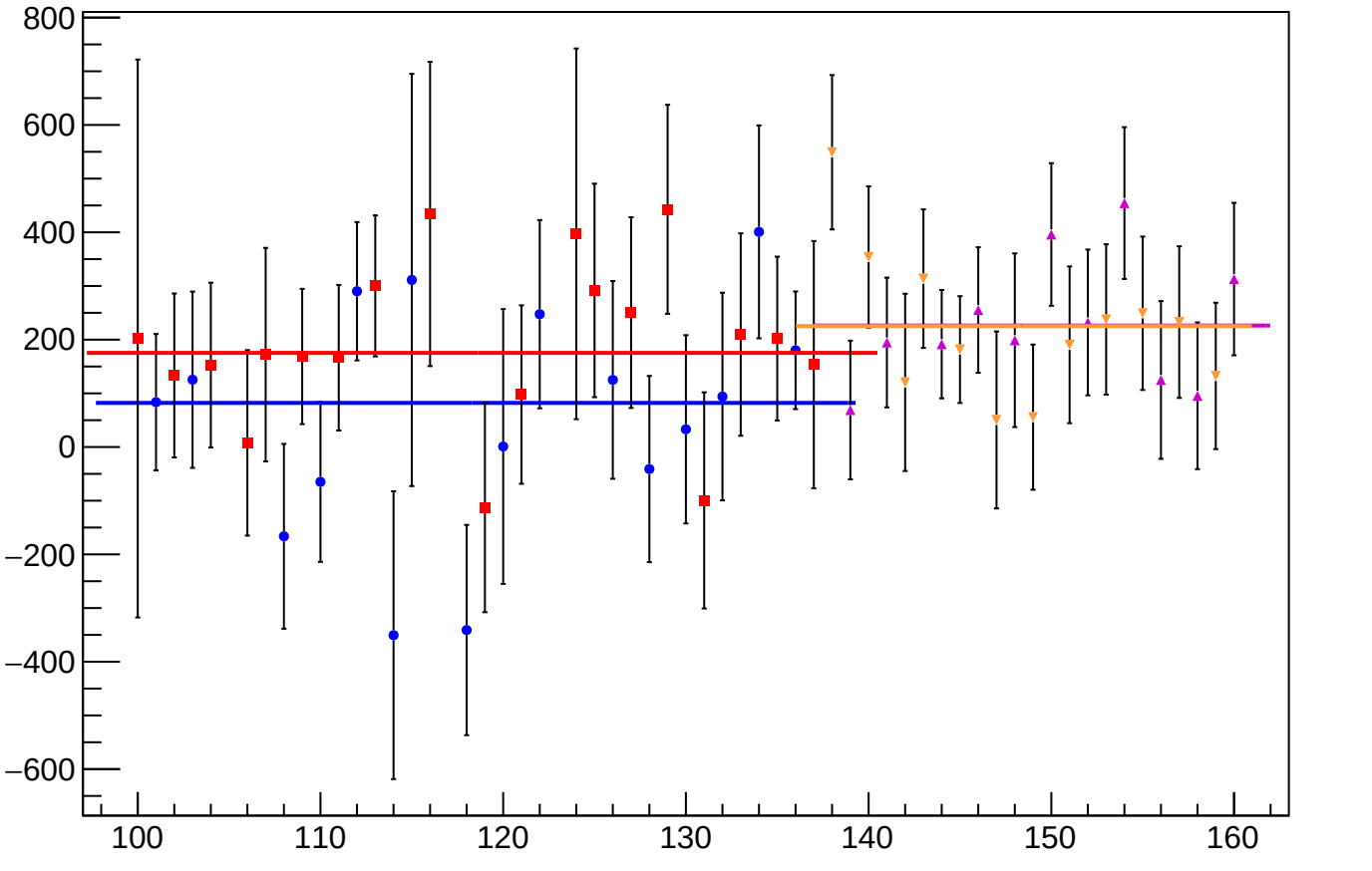
Left: 955.310+/-0.157 χ^2/NDF: 835306.8/22

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1020.905+/-0.181 χ^2/NDF:1291062.5/26

Out: 1016.817+/-0.179 χ^2/NDF:1493036.9/30

All: 1018.842+/-0.127 χ^2/NDF: 2784358.0/57



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: 226.290+/-39.277 χ^2/NDF:7.8/10

Left: 225.786+/-27.795 χ^2/NDF: 18.1/22

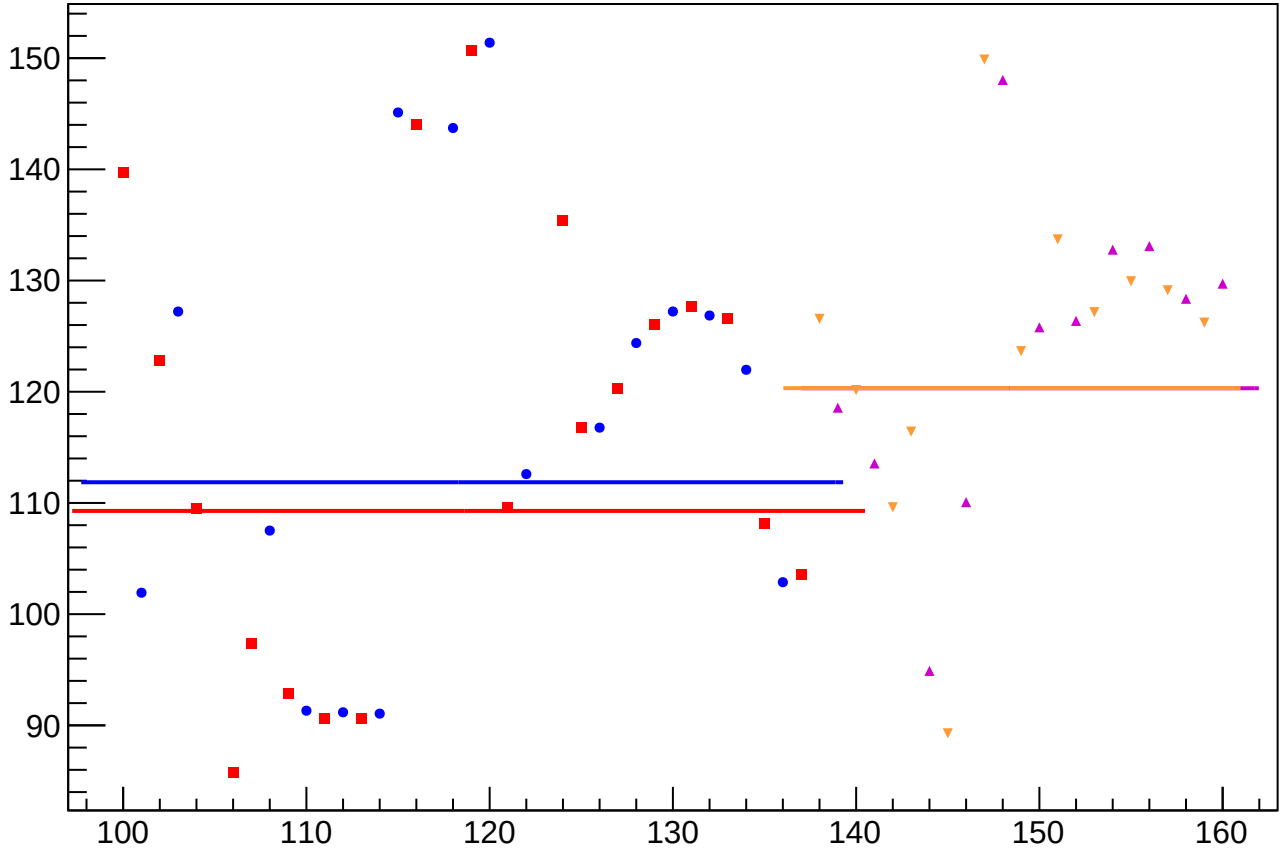
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 159.287+/-28.730 χ^2/NDF:32.4/26

Out: 201.145+/-28.278 χ^2/NDF:21.1/30

All: 180.547+/-20.153 χ^2/NDF: 54.5/57

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: 120.314+/-0.028 χ^2/NDF:261322.6/10

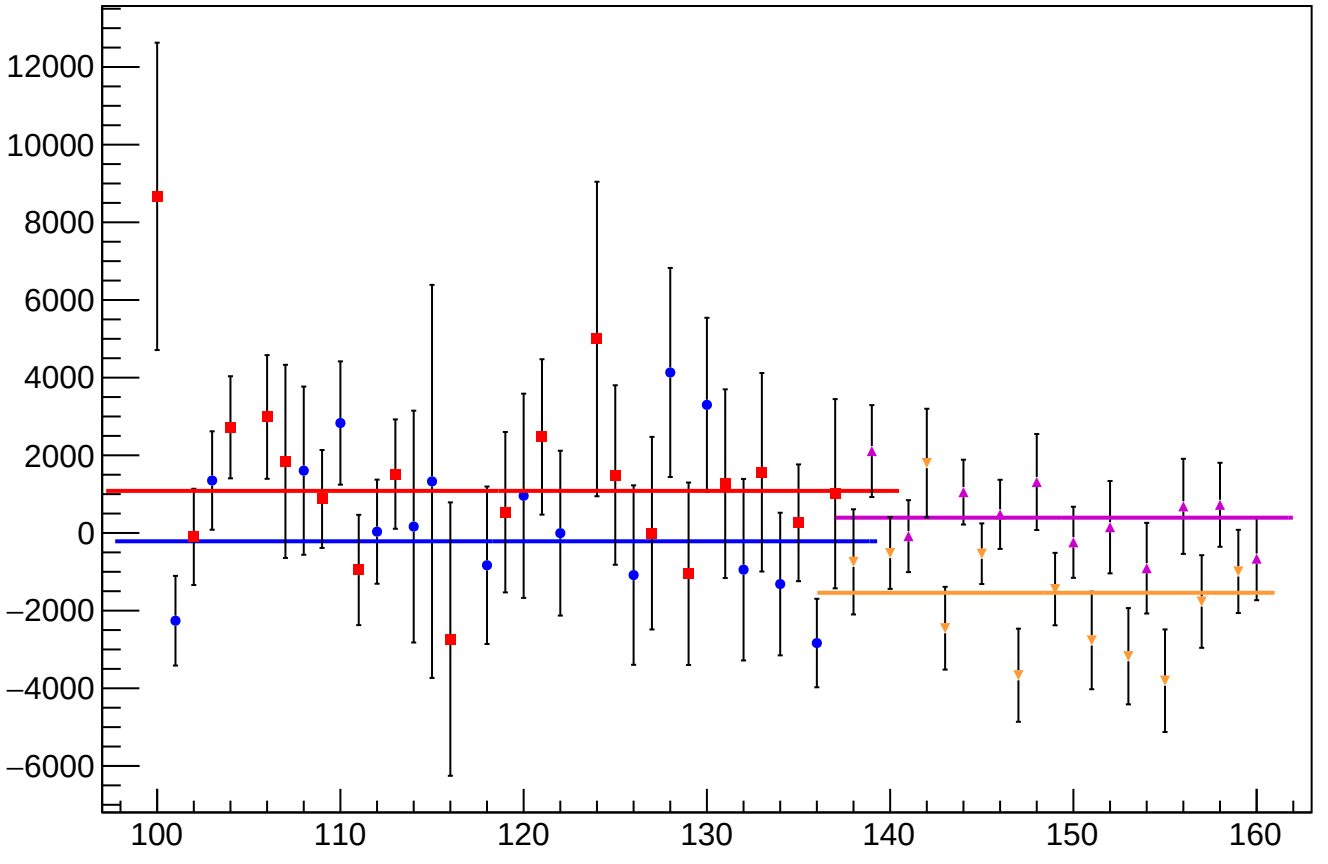
Left: 120.319+/-0.020 χ^2/NDF: 577644.7/22

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 116.384+/-0.020 χ^2/NDF:610413.3/26

Out: 114.989+/-0.020 χ^2/NDF:763151.9/30

All: 115.676+/-0.014 χ^2/NDF: 1375962.7/57



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: 393.634+/-312.200 χ^2/NDF:6.4/10

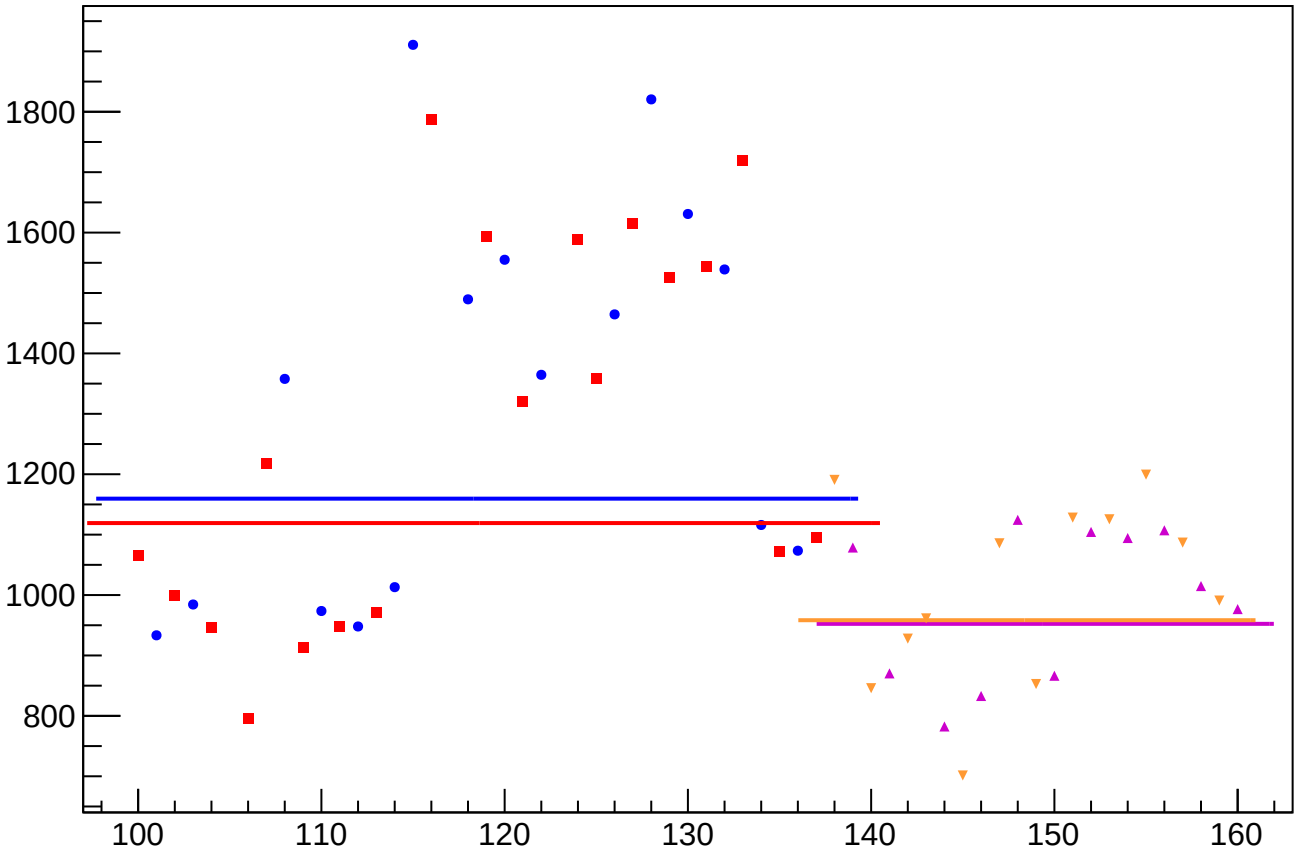
Left: -562.074+/-222.009 χ^2/NDF: 44.1/22

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 192.488+/-255.379 χ^2/NDF:28.1/26

Out: -603.080+/-253.204 χ^2/NDF:57.3/30

All: -208.698+/-179.806 χ^2/NDF: 90.3/57



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: 952.336+/-0.221 χ^2/NDF:315792.3/10

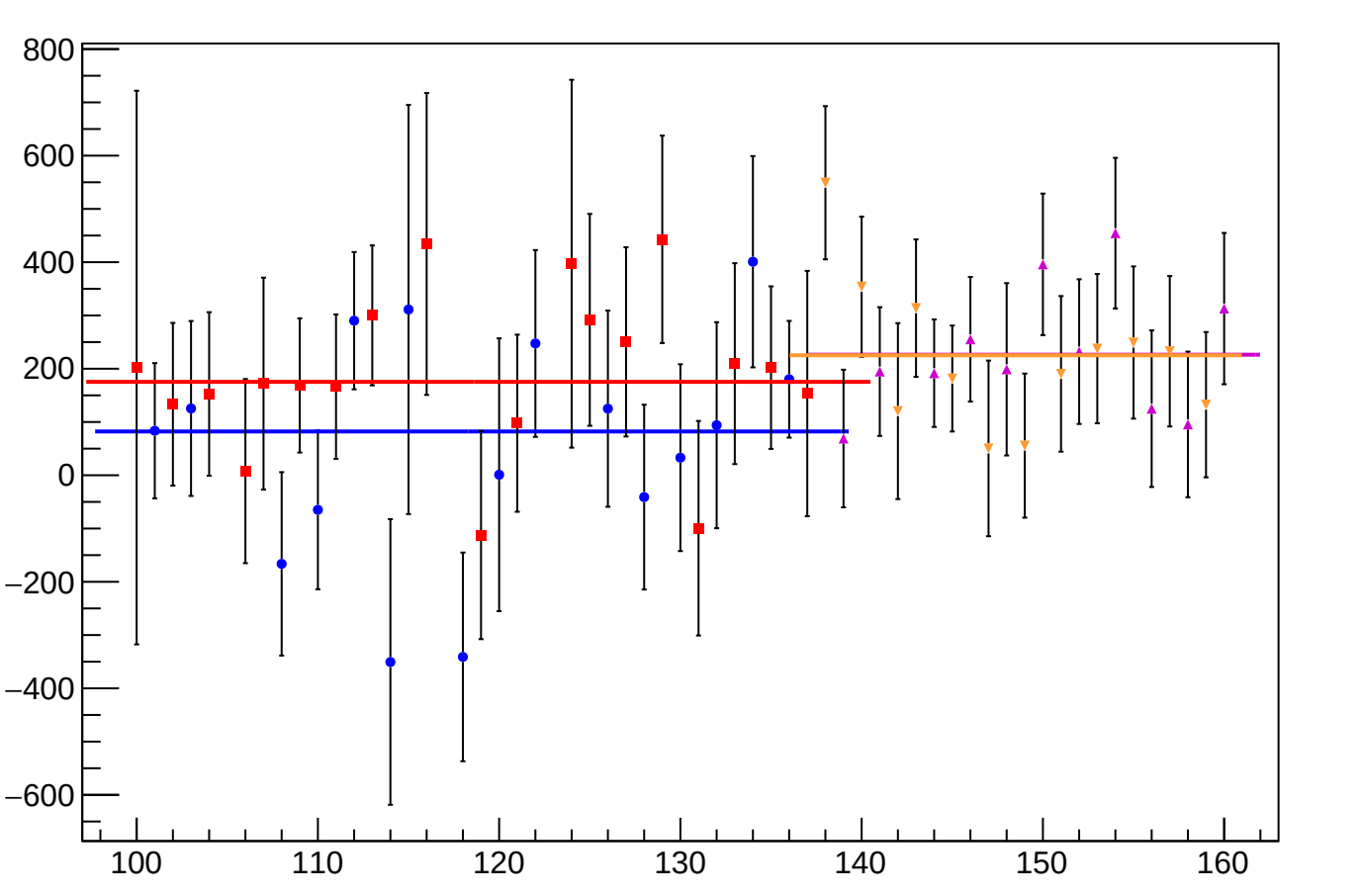
Left: 955.310+/-0.157 χ^2/NDF: 835306.2/22

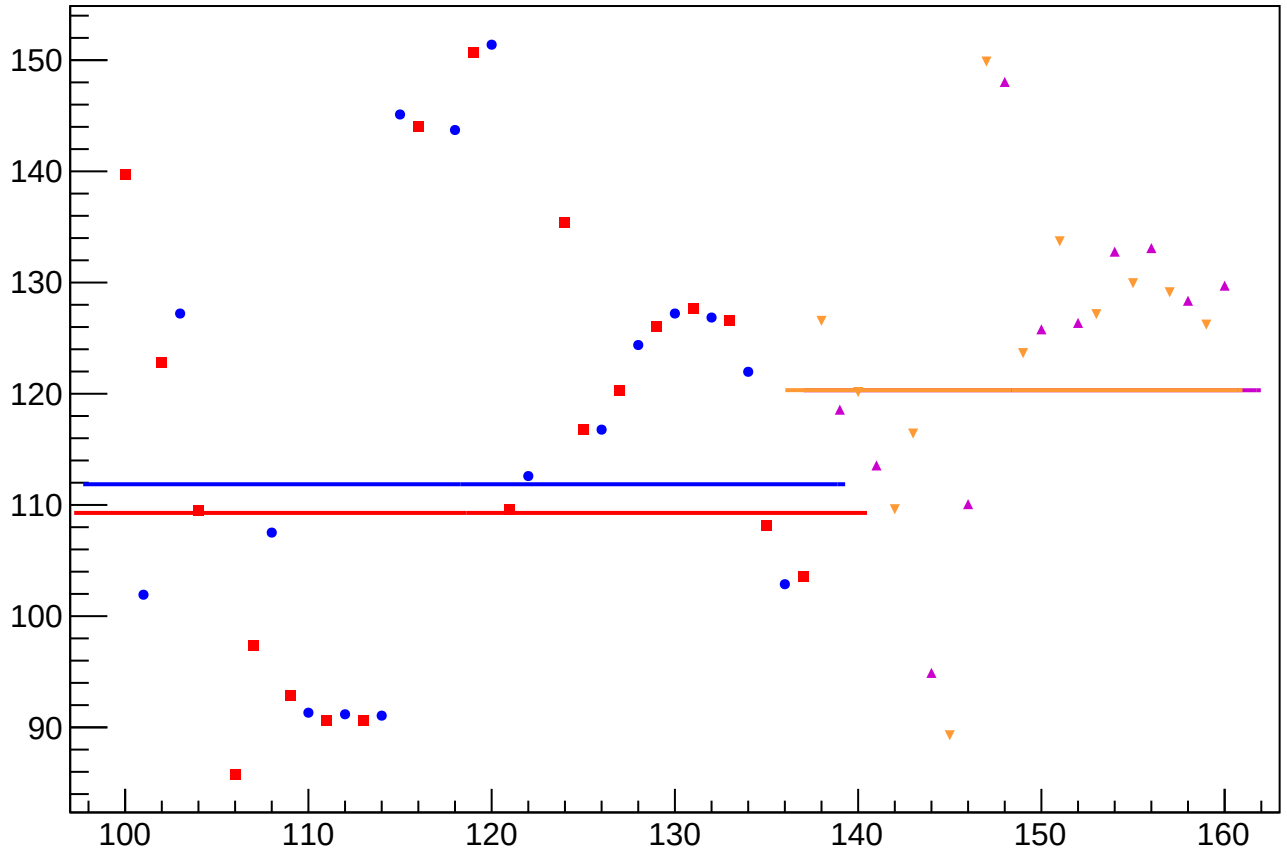
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1020.908+/-0.181 χ^2/NDF:1291052.4/26

Out: 1015.760+/-0.179 χ^2/NDF:1507466.3/30

All: 1018.312+/-0.127 χ^2/NDF: 2798928.7/57


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 225.281+/-39.339 χ²/NDF:10.4/11
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 226.290+/-39.277 χ²/NDF:7.8/10
Left: 225.786+/-27.795 χ²/NDF: 18.1/22
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 159.287+/-28.730 χ²/NDF:32.4/26
Out: 201.145+/-28.278 χ²/NDF:21.1/30
All: 180.547+/-20.153 χ²/NDF: 54.5/57



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: 120.314+/-0.028 χ^2/NDF:261322.6/10

Left: 120.319+/-0.020 χ^2/NDF: 577644.7/22

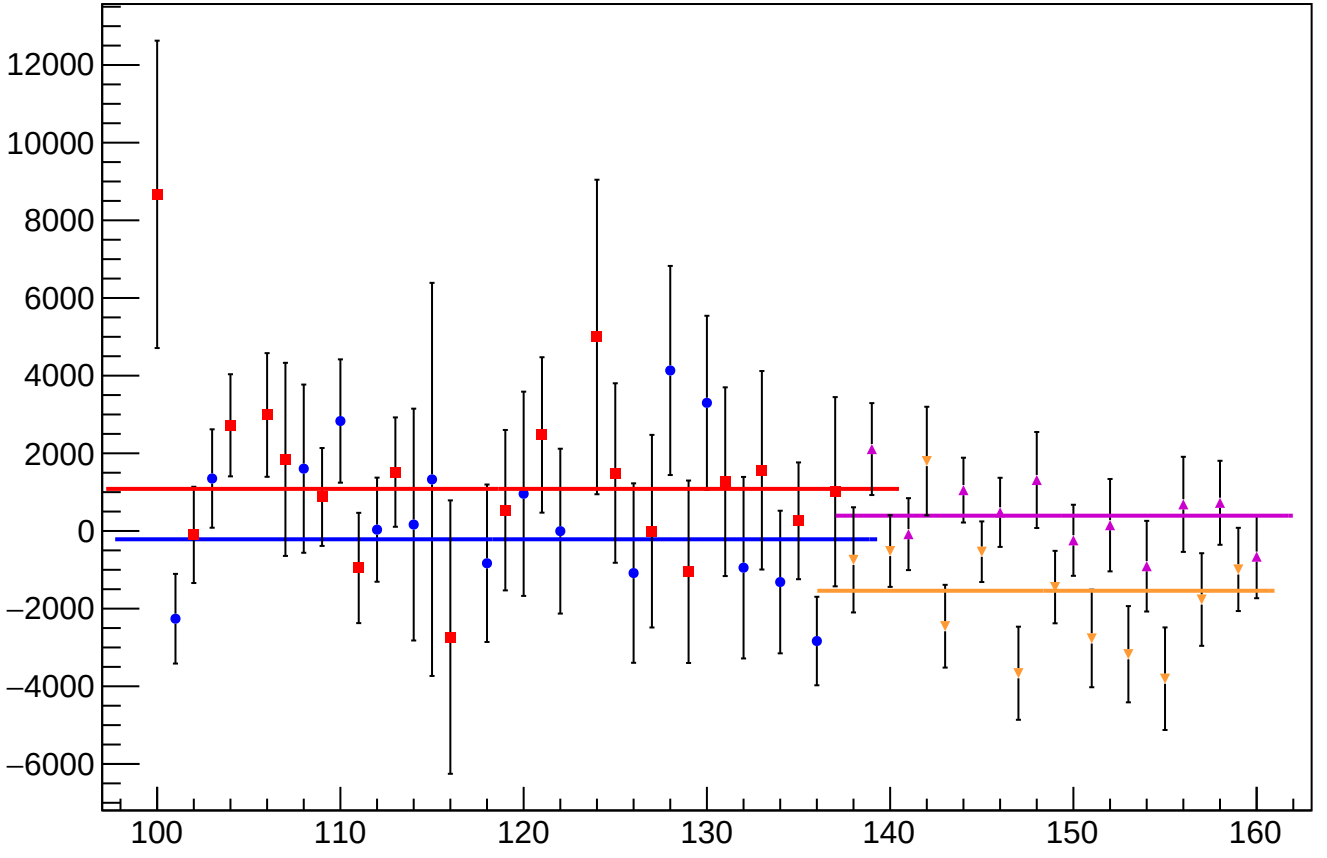
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 116.384+/-0.020 χ^2/NDF:610413.3/26

Out: 114.989+/-0.020 χ^2/NDF:763151.9/30

All: 115.676+/-0.014 χ^2/NDF: 1375962.7/57

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: 393.634+/-312.200 χ^2/NDF:6.4/10

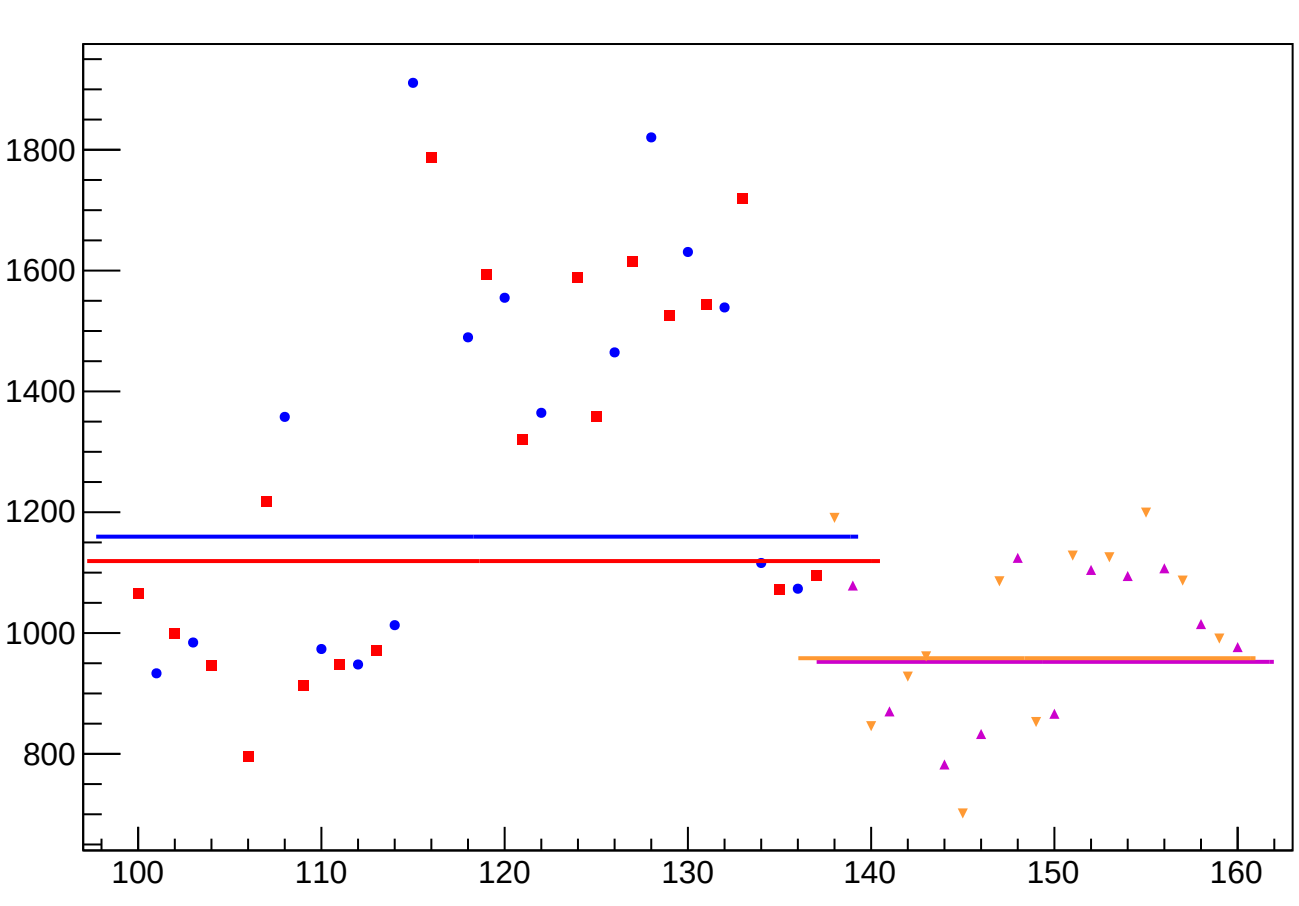
Left: -562.074+/-222.009 χ^2/NDF: 44.1/22

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 192.488+/-255.379 χ^2/NDF:28.1/26

Out: -603.080+/-253.204 χ^2/NDF:57.3/30

All: -208.698+/-179.806 χ^2/NDF: 90.3/57



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: 952.336+/-0.221 χ^2/NDF:315792.3/10

Left: 955.310+/-0.157 χ^2/NDF: 835306.2/22

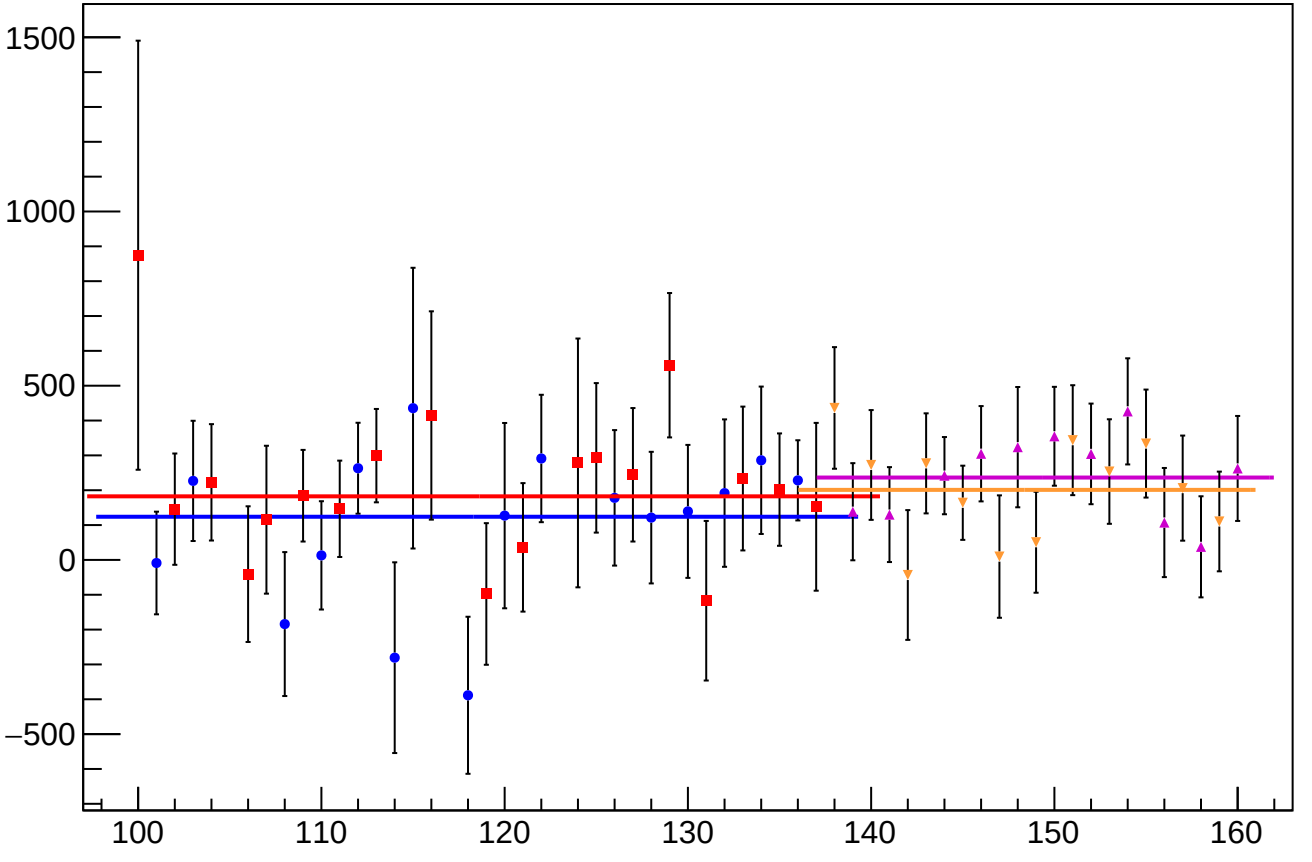
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1020.908+/-0.181 χ^2/NDF:1291052.4/26

Out: 1015.760+/-0.179 χ^2/NDF:1507466.3/30

All: 1018.312+/-0.127 χ^2/NDF: 2798928.7/57

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: 236.417+/-42.762 χ^2/NDF:6.7/10

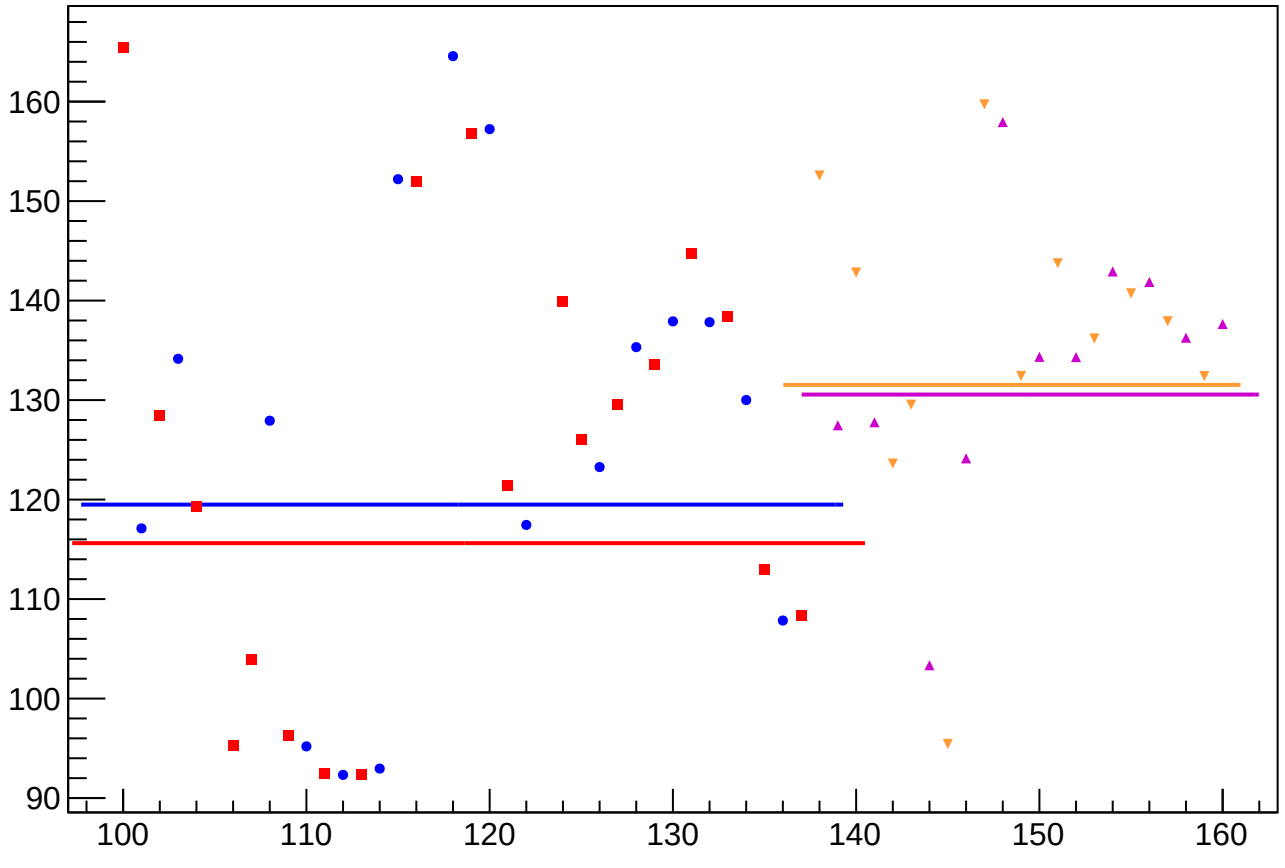
Left: 218.868+/-30.364 χ^2/NDF: 15.5/22

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 183.318+/-31.076 χ^2/NDF:25.4/26

Out: 191.767+/-30.528 χ^2/NDF:20.9/30

All: 187.618+/-21.778 χ^2/NDF: 46.3/57



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: 130.556+/-0.030 χ^2/NDF:211056.5/10

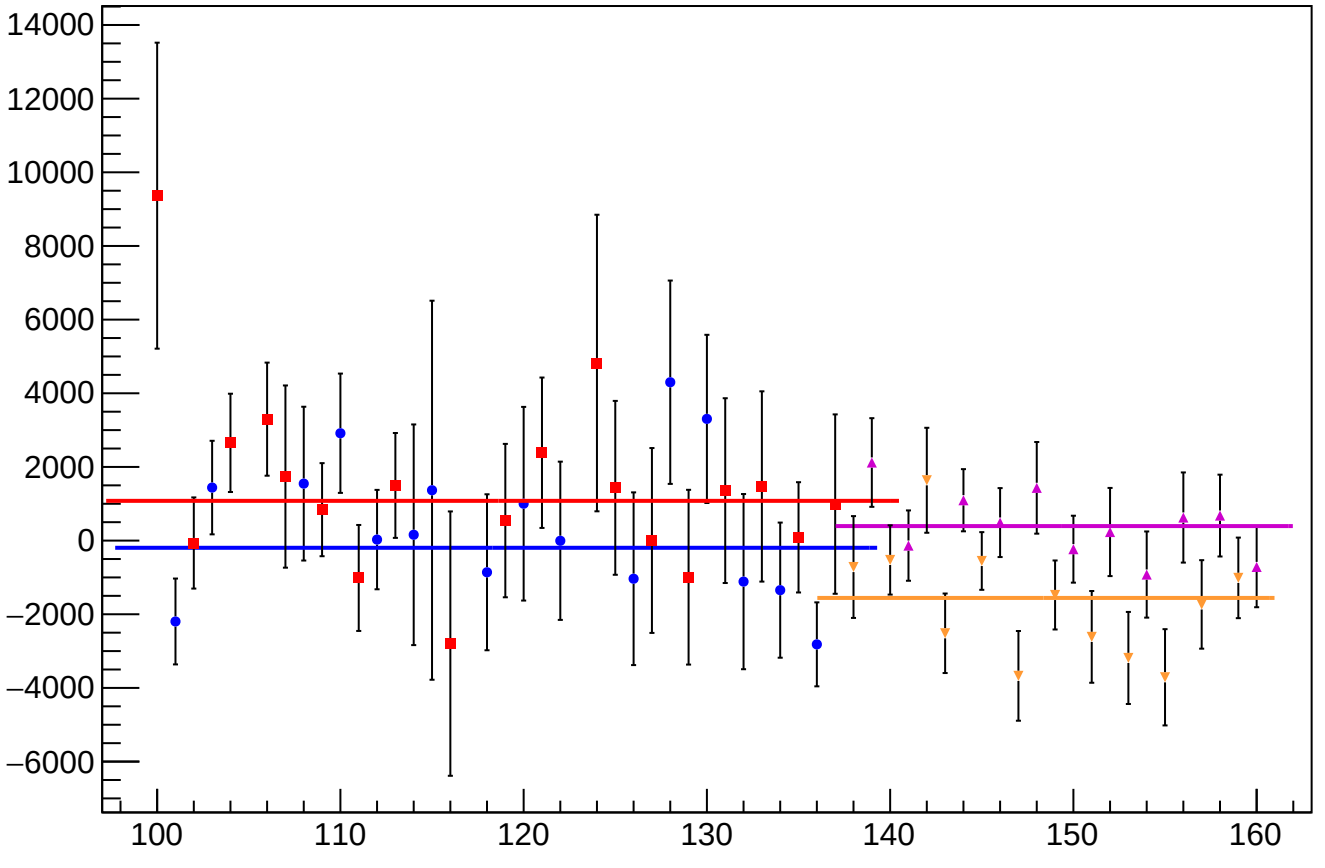
Left: 131.037+/-0.021 χ^2/NDF: 560936.5/22

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 125.336+/-0.022 χ^2/NDF:654453.2/26

Out: 123.593+/-0.022 χ^2/NDF:912052.1/30

All: 124.449+/-0.015 χ^2/NDF: 1569707.0/57



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: 394.215+/-317.327 χ^2/NDF:6.7/10

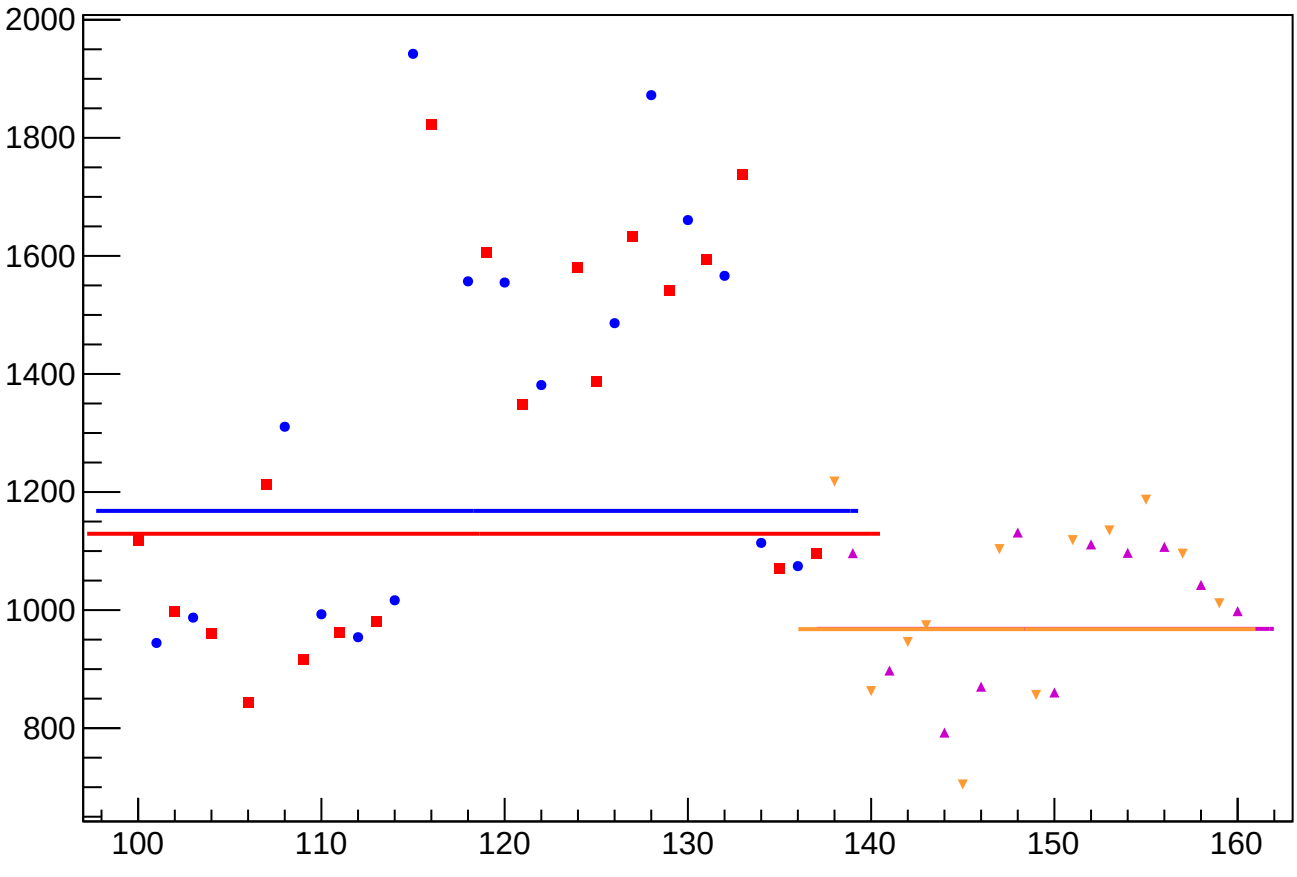
Left: -577.052+/-224.859 χ^2/NDF: 42.9/22

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 196.941+/-258.820 χ^2/NDF:28.2/26

Out: -610.630+/-255.165 χ^2/NDF:56.6/30

All: -212.585+/-181.707 χ^2/NDF: 89.7/57



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: 968.214+/-0.224 χ^2/NDF:293772.4/10

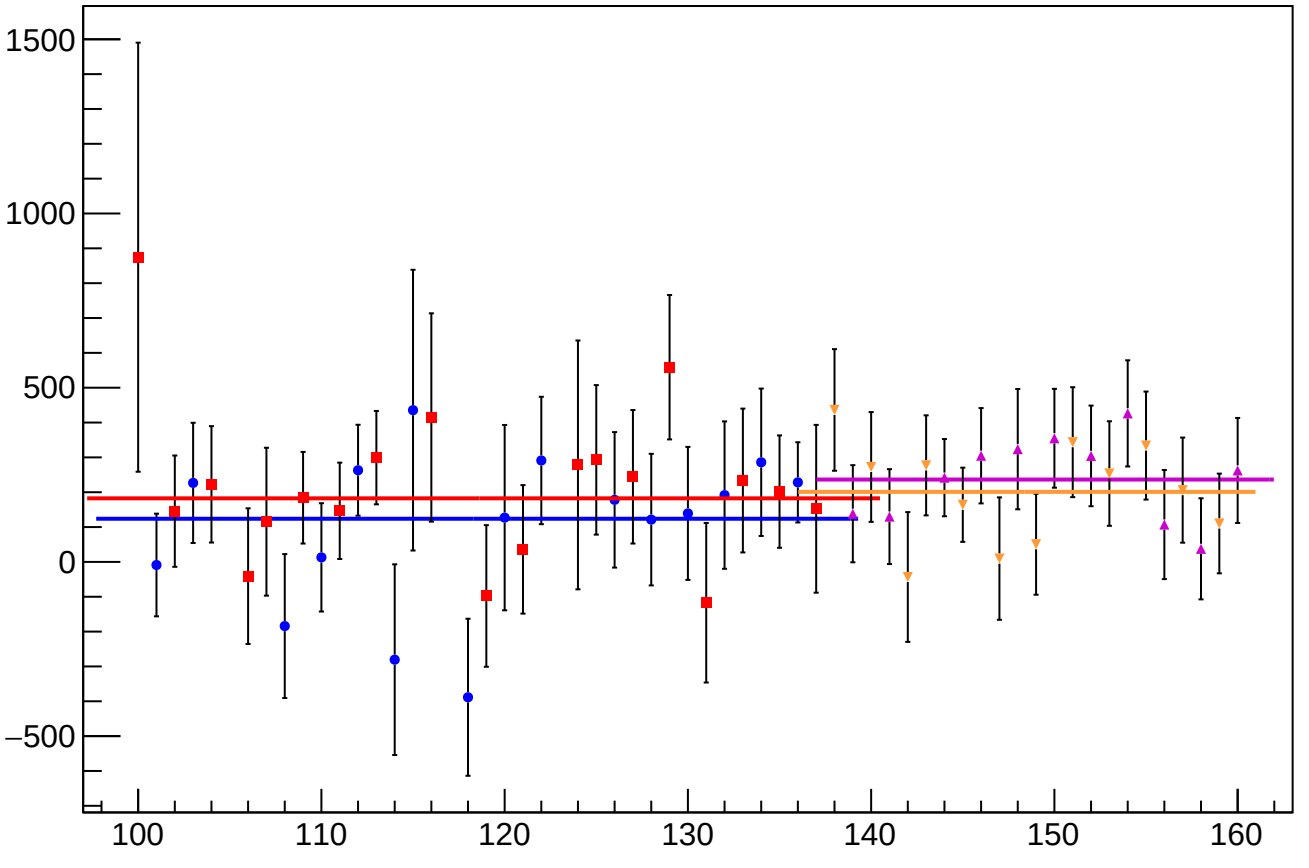
Left: 967.976+/-0.159 χ^2/NDF: 810798.1/22

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1035.115+/-0.183 χ^2/NDF:1268687.7/26

Out: 1025.720+/-0.180 χ^2/NDF:1508768.2/30

All: 1030.351+/-0.128 χ^2/NDF: 2778792.3/57



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: 236.418+/-42.762 χ^2/NDF:6.7/10

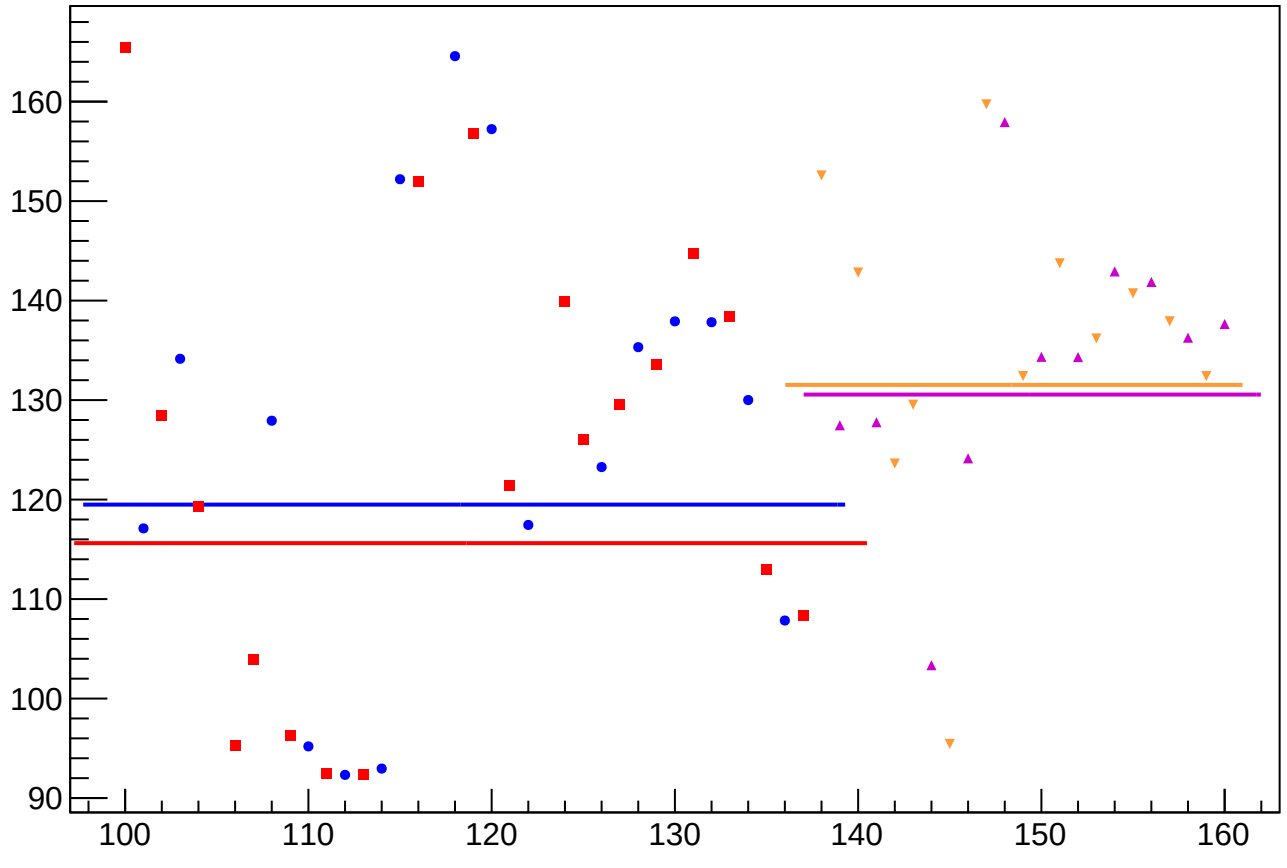
Left: 218.870+/-30.364 χ^2/NDF: 15.5/22

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 183.320+/-31.076 χ^2/NDF:25.4/26

Out: 191.768+/-30.528 χ^2/NDF:20.9/30

All: 187.619+/-21.778 χ^2/NDF: 46.3/57



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: 130.556+/-0.030 χ^2/NDF:211055.0/10

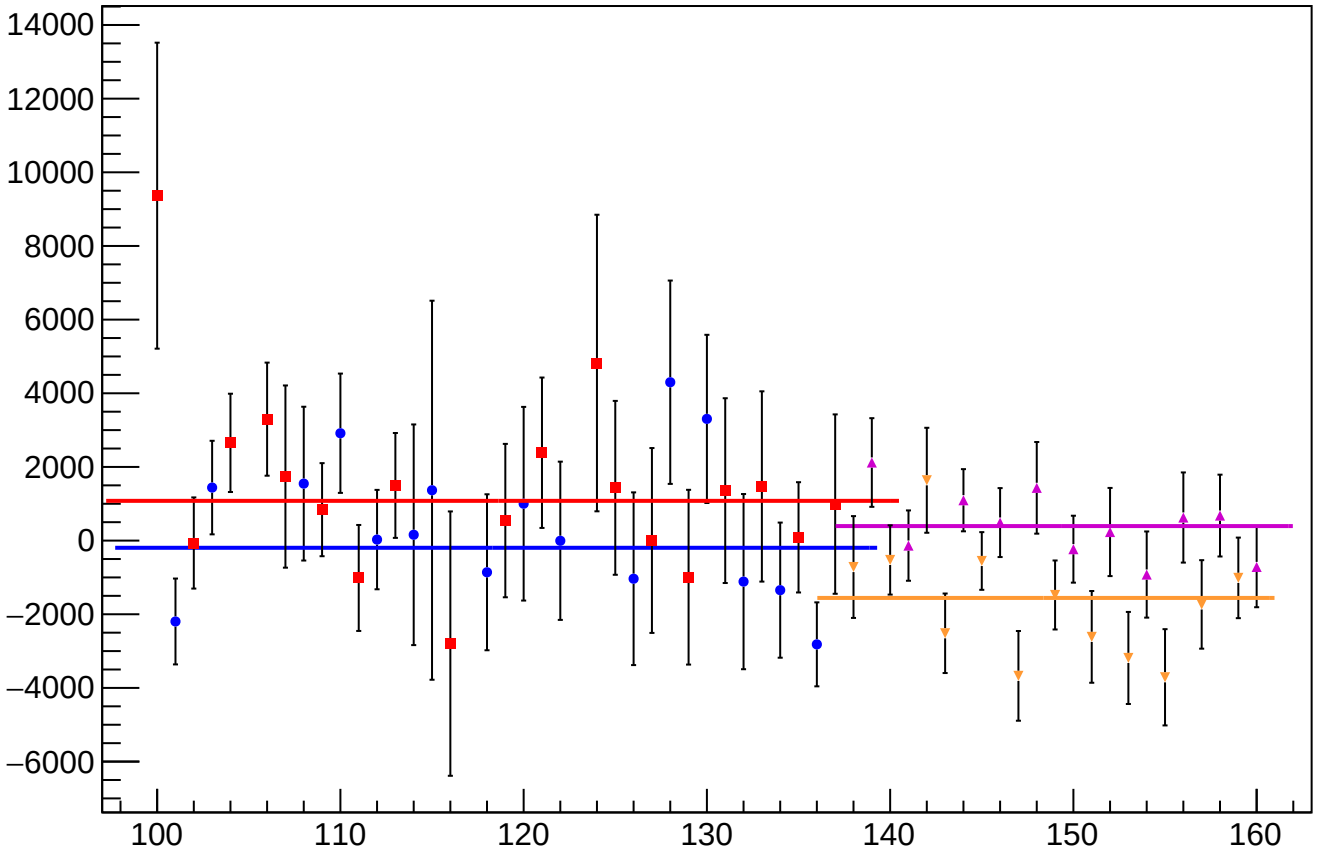
Left: 131.037+/-0.021 χ^2/NDF: 560933.3/22

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 125.336+/-0.022 χ^2/NDF:654455.8/26

Out: 123.593+/-0.022 χ^2/NDF:912056.9/30

All: 124.449+/-0.015 χ^2/NDF: 1569714.7/57



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: 394.214+/-317.327 χ^2/NDF:6.7/10

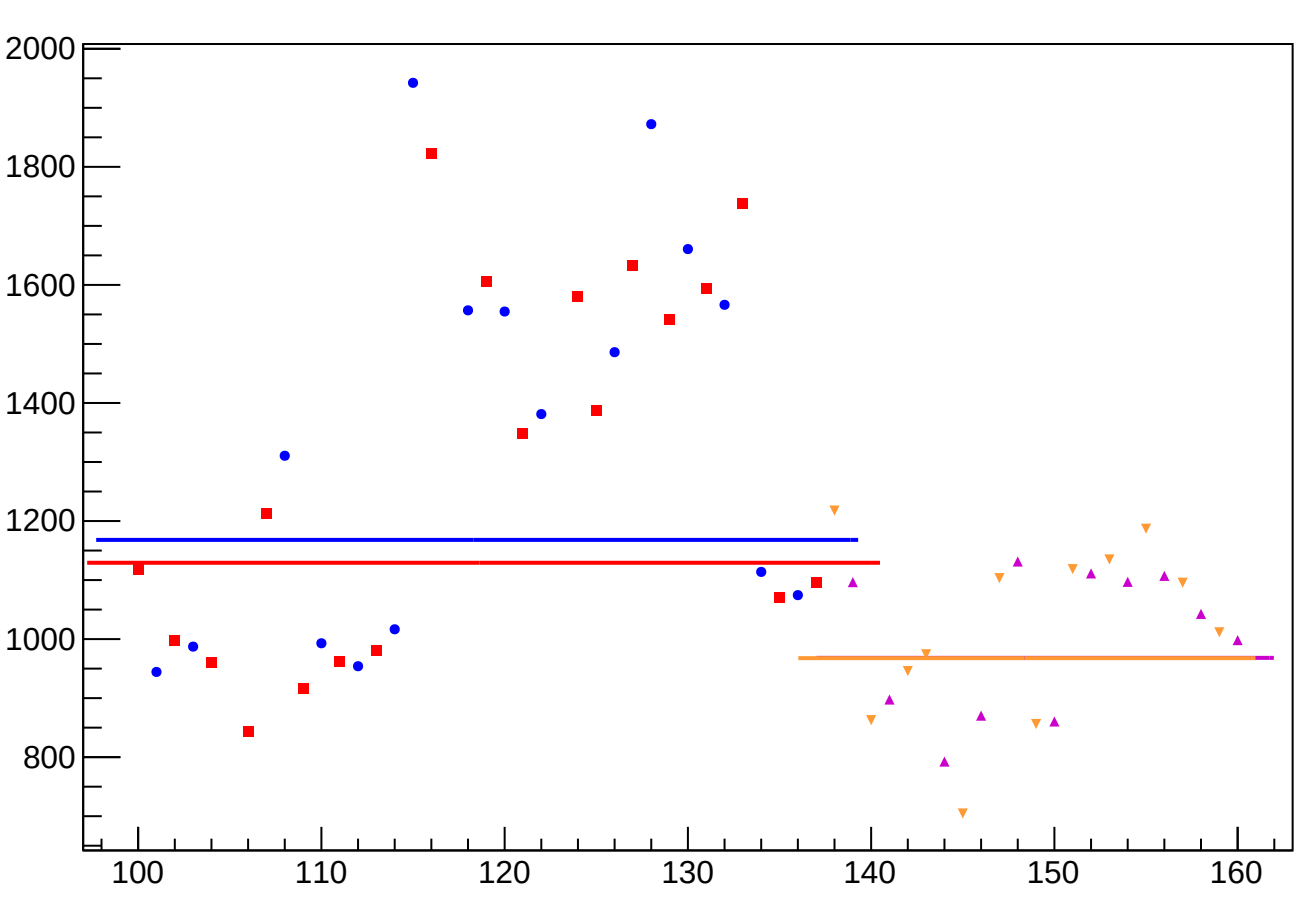
Left: -577.052+/-224.858 χ^2/NDF: 42.9/22

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

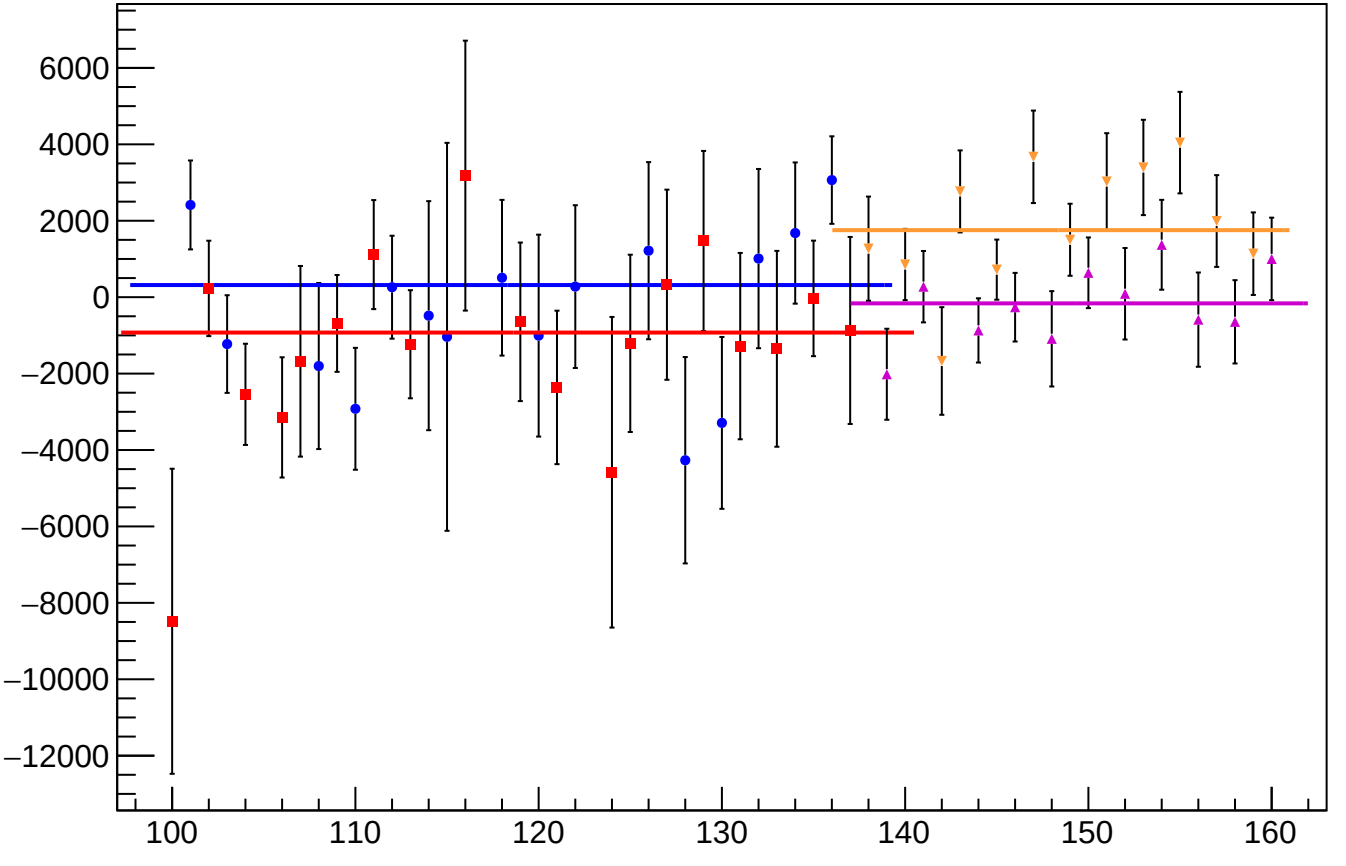
In: 196.941+/-258.820 χ^2/NDF:28.2/26

Out: -610.629+/-255.165 χ^2/NDF:56.6/30

All: -212.585+/-181.707 χ^2/NDF: 89.7/57


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1168.063+/-0.316 χ²/NDF: 709365.6/15
Left Out: 967.734+/-0.225 χ²/NDF:517026.6/11
Right Out: 1129.316+/-0.301 χ²/NDF: 807224.0/18
Left In: 968.214+/-0.224 χ²/NDF:293770.3/10
Left: 967.975+/-0.159 χ²/NDF: 810799.2/22
Right: 1147.741+/-0.218 χ²/NDF: 1524459.2/34
In: 1035.115+/-0.183 χ²/NDF:1268687.9/26
Out: 1025.720+/-0.180 χ²/NDF:1508774.2/30
All: 1030.350+/-0.128 χ²/NDF: 2778798.6/57

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1753.958+/-318.347 χ^2/NDF:18.2/11

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -161.905+/-314.768 χ^2/NDF:7.9/10

Left: 785.196+/-223.829 χ^2/NDF: 44.4/22

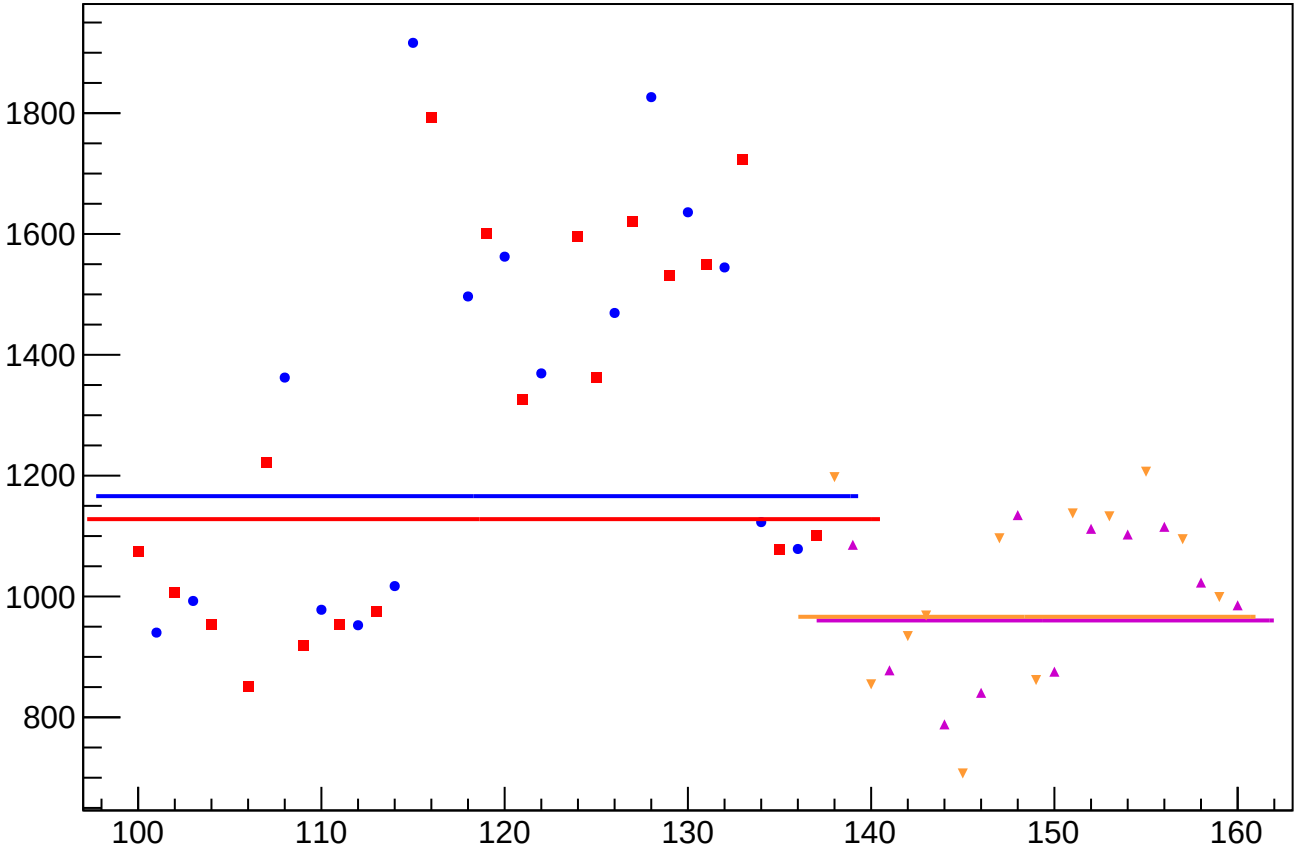
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -2.717+/-257.236 χ^2/NDF:30.8/26

Out: 791.895+/-254.881 χ^2/NDF:58.2/30

All: 398.243+/-181.055 χ^2/NDF: 93.9/57

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: 960.304+/-0.223 χ^2/NDF:313503.0/10

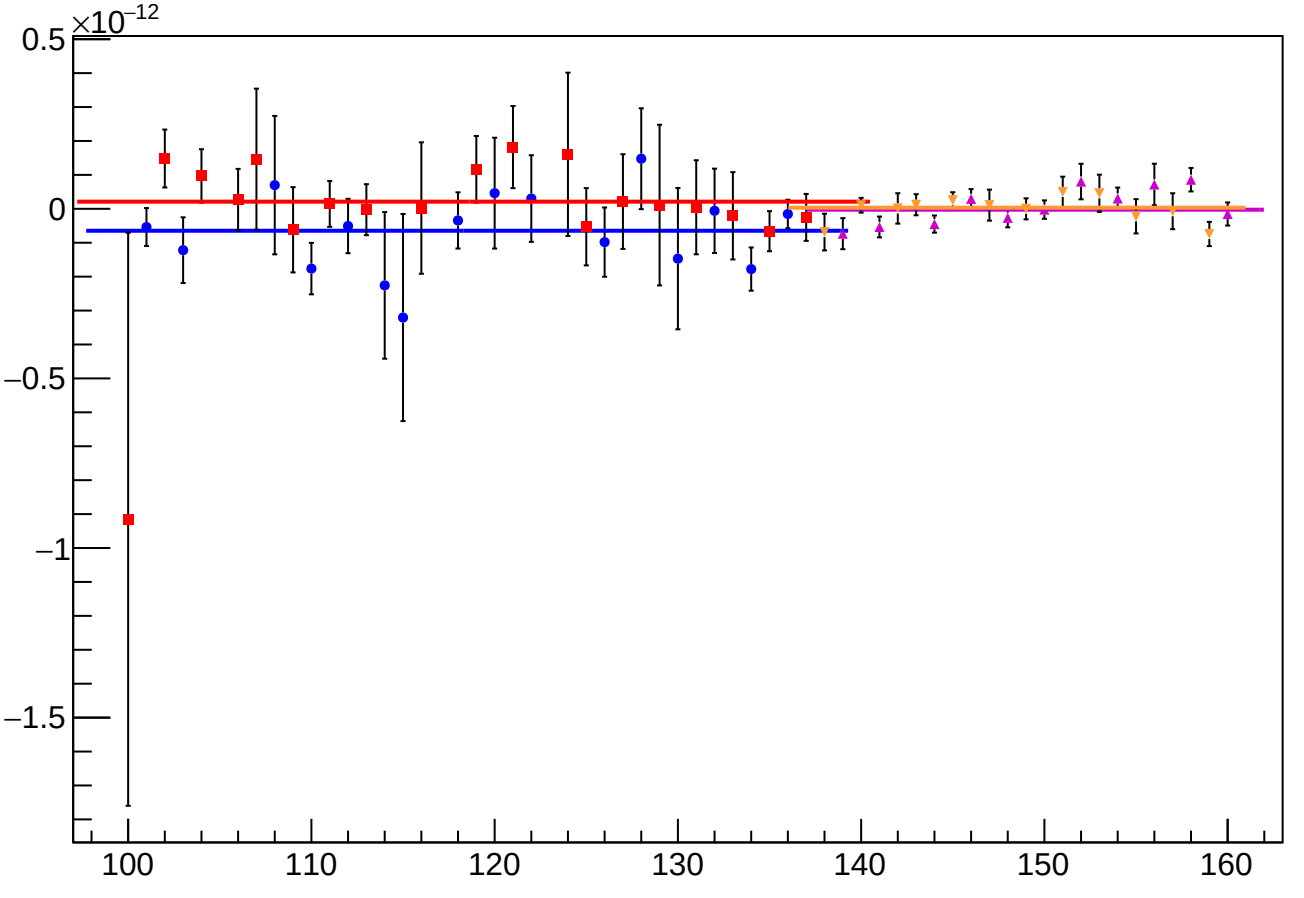
Left: 963.312+/-0.158 χ^2/NDF: 828298.4/22

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1028.644+/-0.182 χ^2/NDF:1274402.8/26

Out: 1024.406+/-0.180 χ^2/NDF:1475235.8/30

All: 1026.506+/-0.128 χ^2/NDF: 2749912.5/57



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:21.6/10

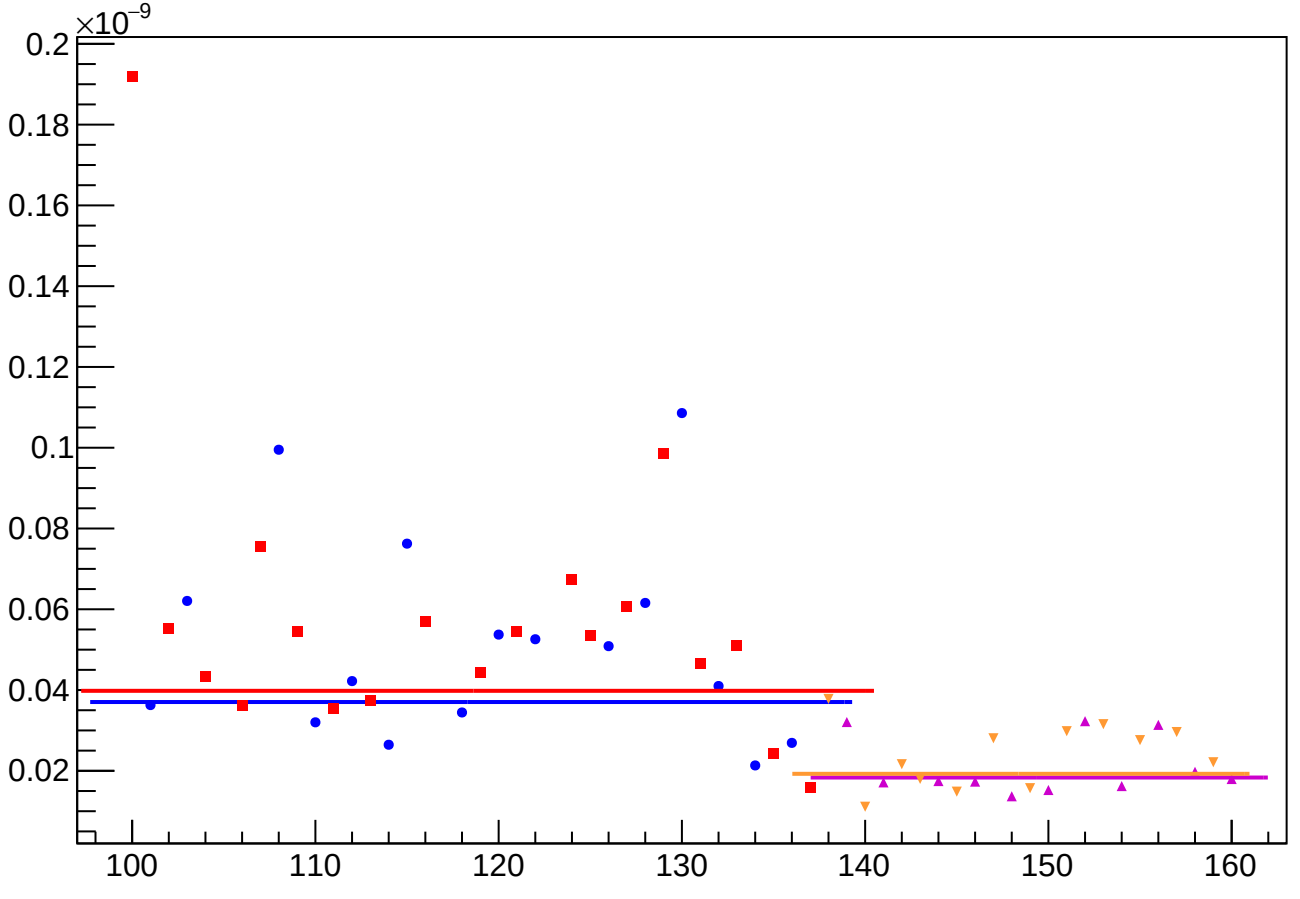
Left: 0.000+/-0.000 χ^2/NDF: 31.3/22

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:40.8/26

Out: 0.000+/-0.000 χ^2/NDF:21.5/30

All: -0.000+/-0.000 χ^2/NDF: 64.5/57



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:513401.8/10

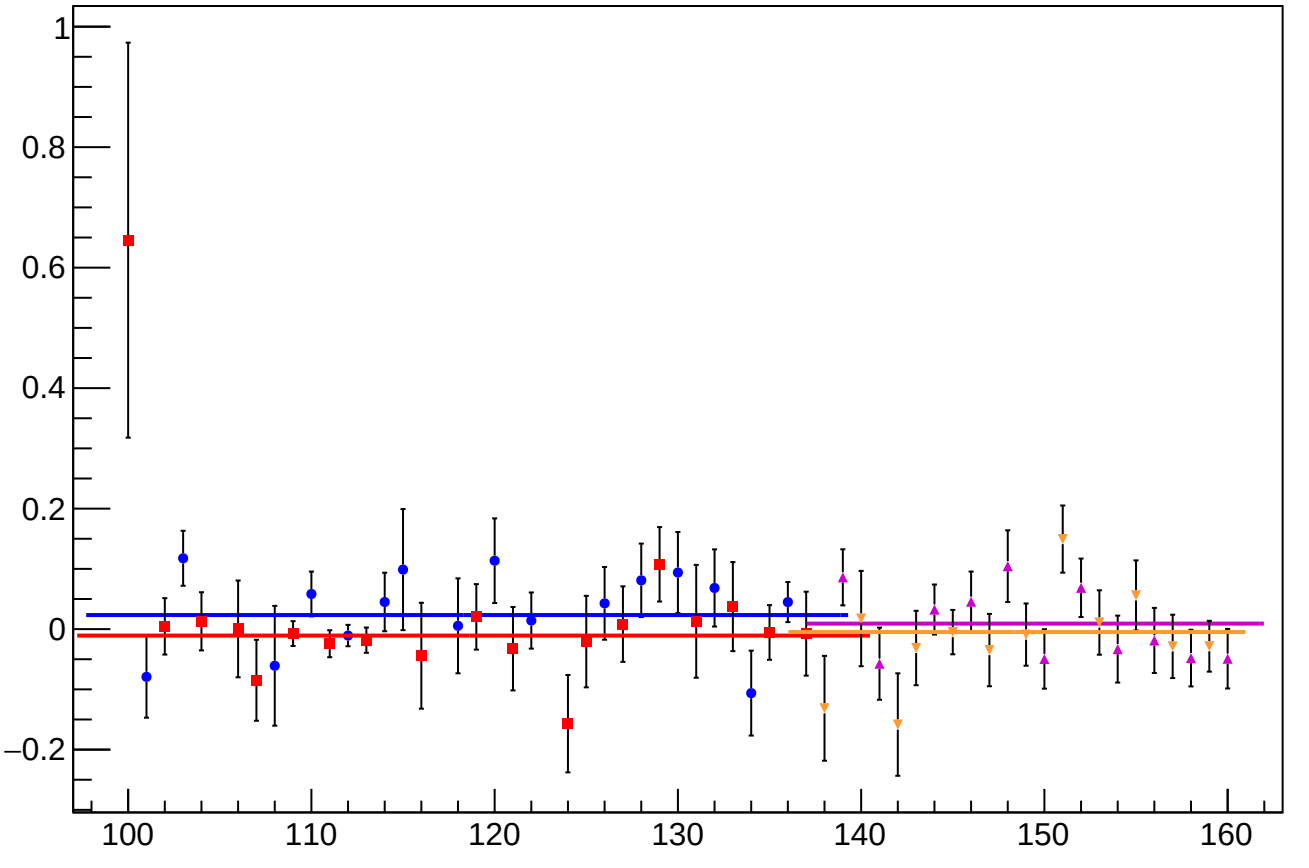
Left: 0.000+/-0.000 χ^2/NDF: 1571187.1/22

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2725561.3/26

Out: 0.000+/-0.000 χ^2/NDF:3277274.4/30

All: 0.000+/-0.000 χ^2/NDF: 6016649.9/57



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: 0.009+/-0.015 χ^2/NDF:14.0/10

Left: 0.002+/-0.011 χ^2/NDF: 29.7/22

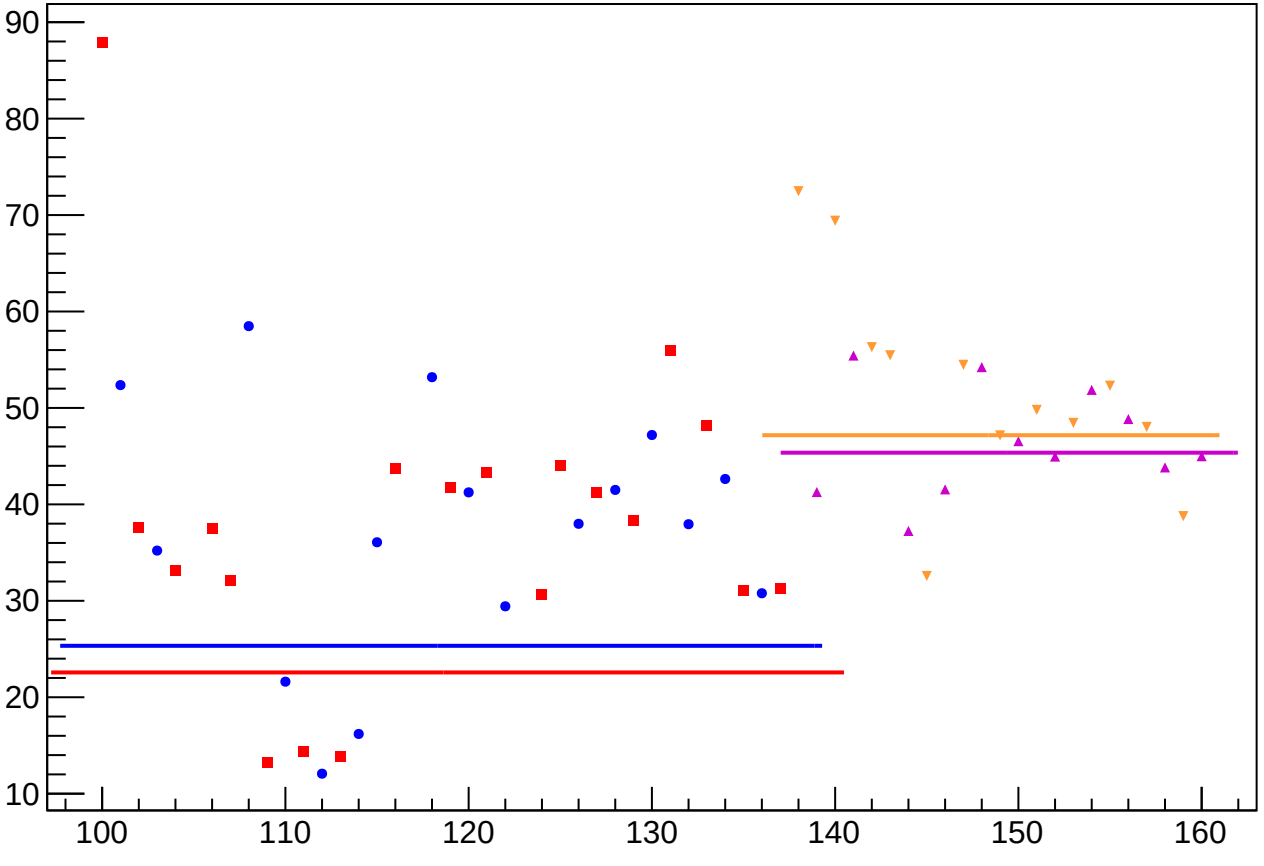
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.004+/-0.006 χ^2/NDF: 70.0/57

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 45.359+/-0.011 χ^2/NDF:243669.9/10

Left: 46.223+/-0.008 χ^2/NDF: 1088061.2/22

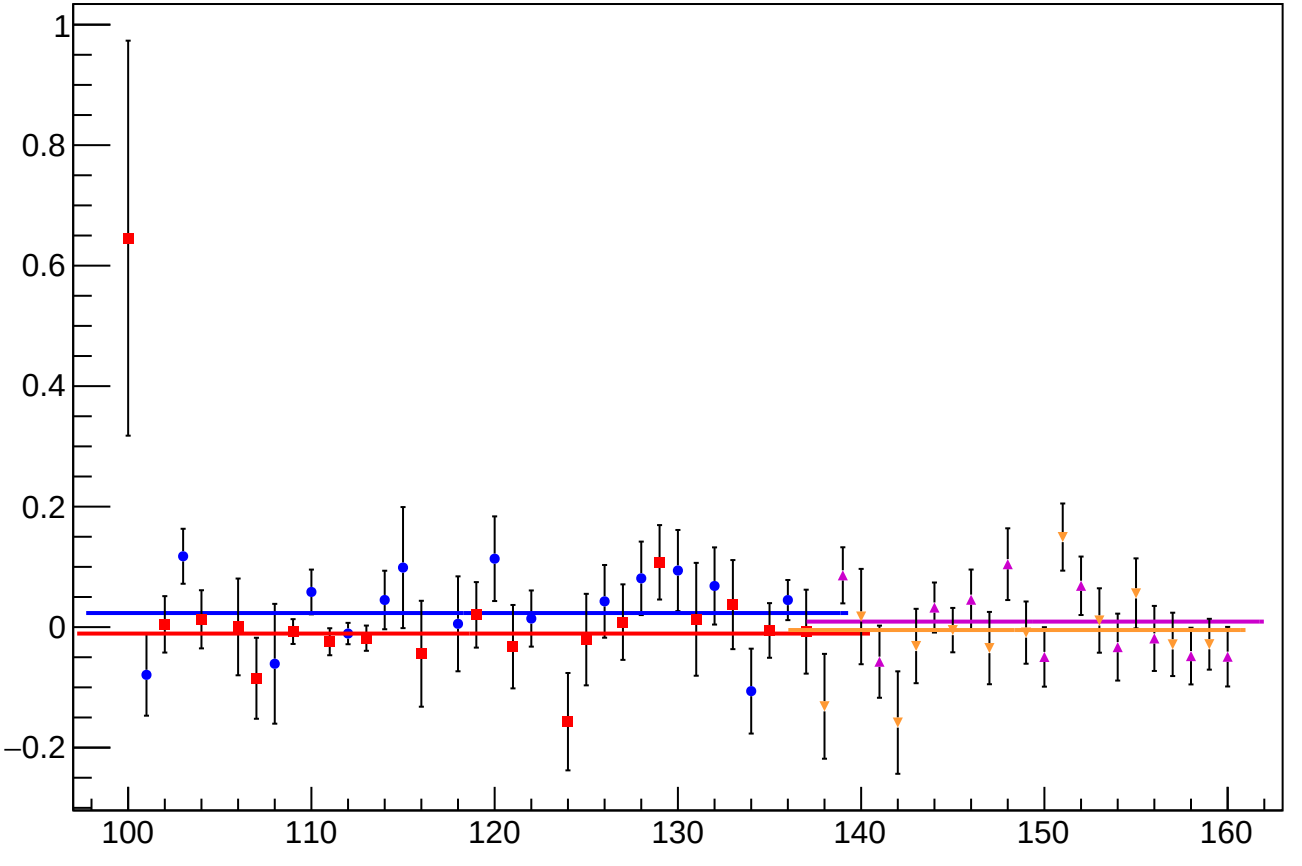
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 32.311+/-0.006 χ^2/NDF:5449696.3/26

Out: 29.369+/-0.006 χ^2/NDF:7451537.4/30

All: 30.739+/-0.004 χ^2/NDF: 13017171.1/57

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: 0.009+/-0.015 χ^2/NDF:14.0/10

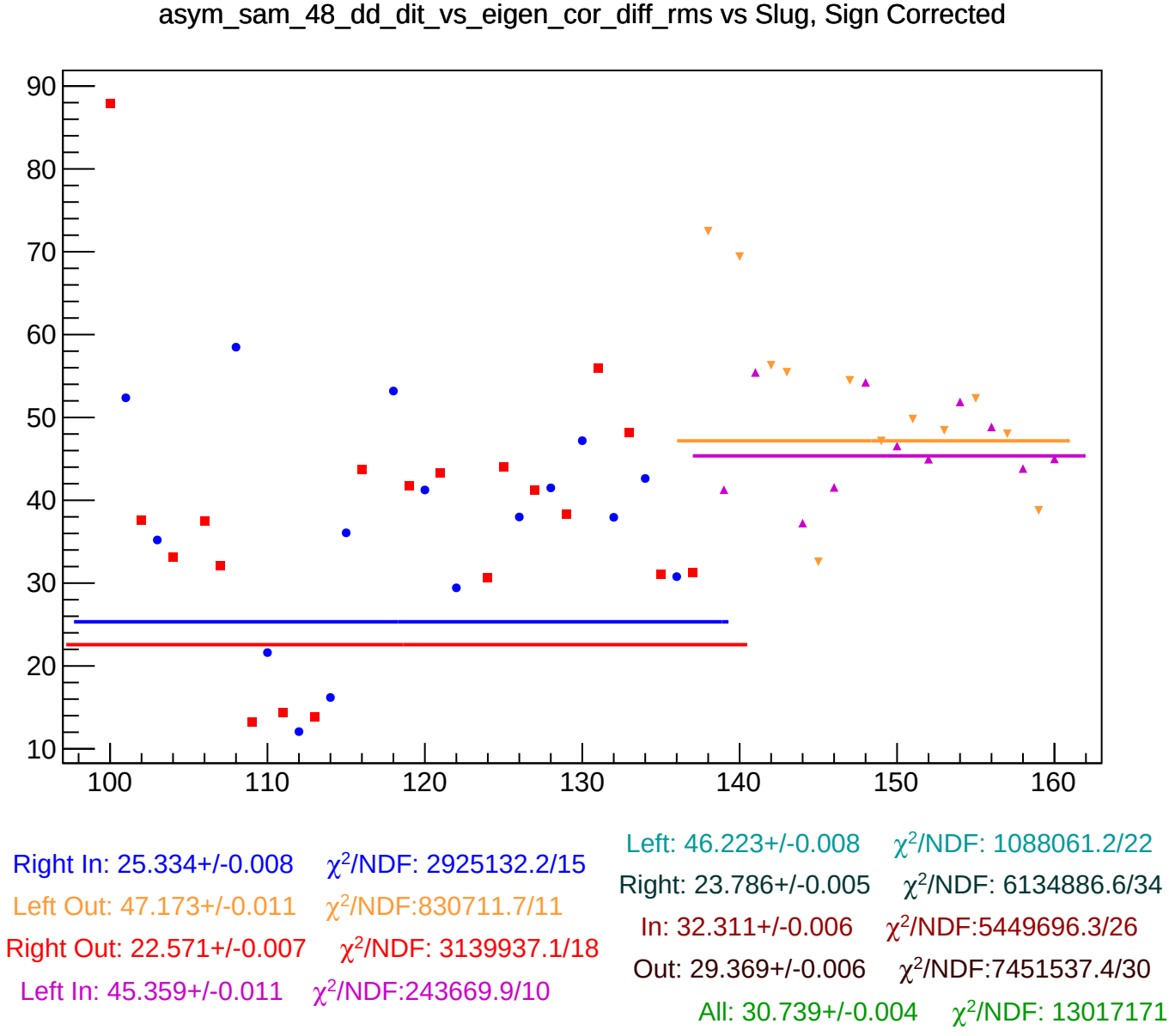
Left: 0.002+/-0.011 χ^2/NDF: 29.7/22

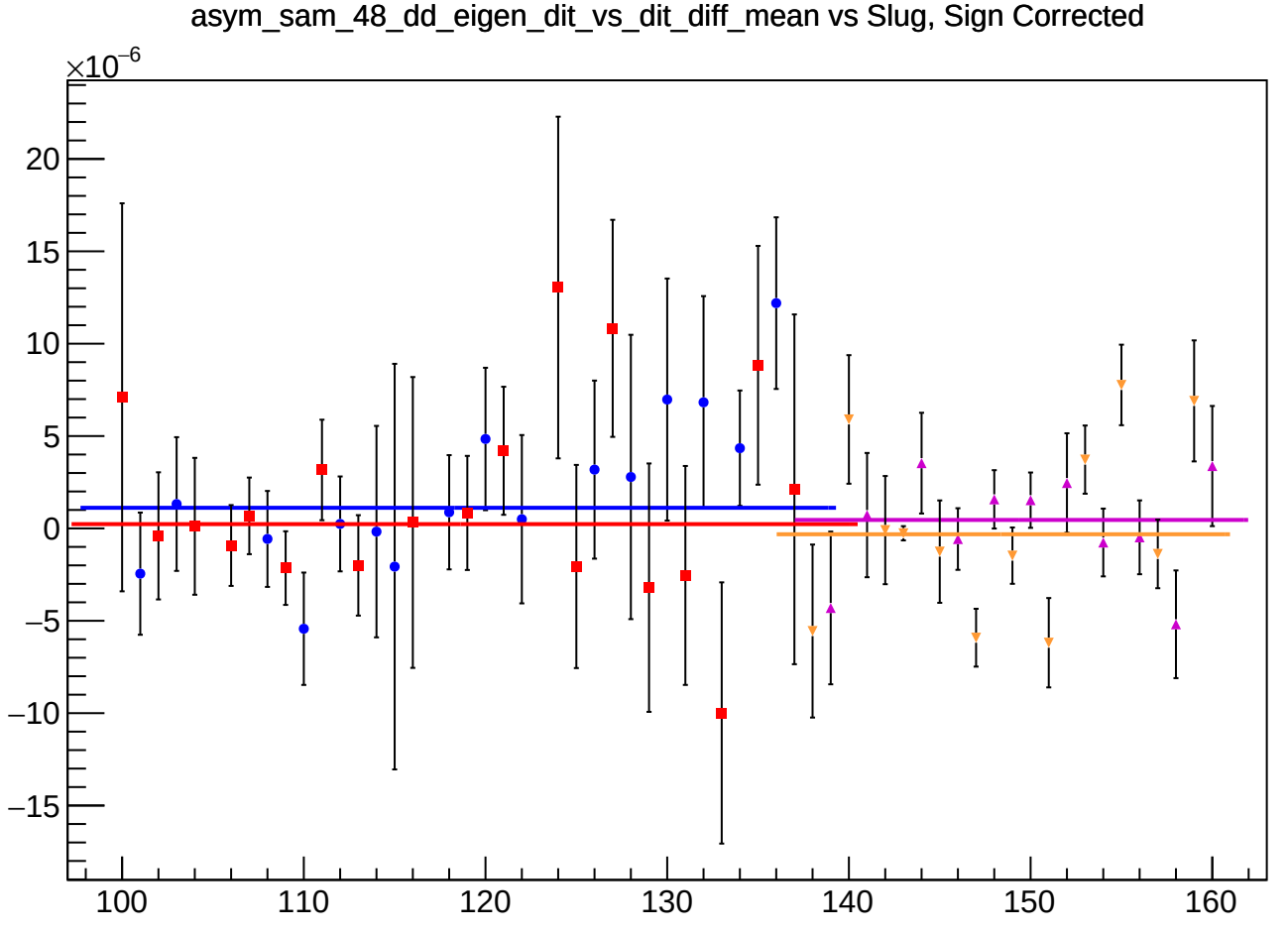
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.004+/-0.006 χ^2/NDF: 70.0/57


asym_sam_48_dd_dit_vs_eigen_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: 45.359+/-0.011 χ²/NDF:243669.9/10
Left: 46.223+/-0.008 χ²/NDF: 1088061.2/22
Right: 23.786+/-0.005 χ²/NDF: 6134886.6/34
In: 32.311+/-0.006 χ²/NDF:5449696.3/26
Out: 29.369+/-0.006 χ²/NDF:7451537.4/30
All: 30.739+/-0.004 χ²/NDF: 13017171.1/57



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:9.8/10

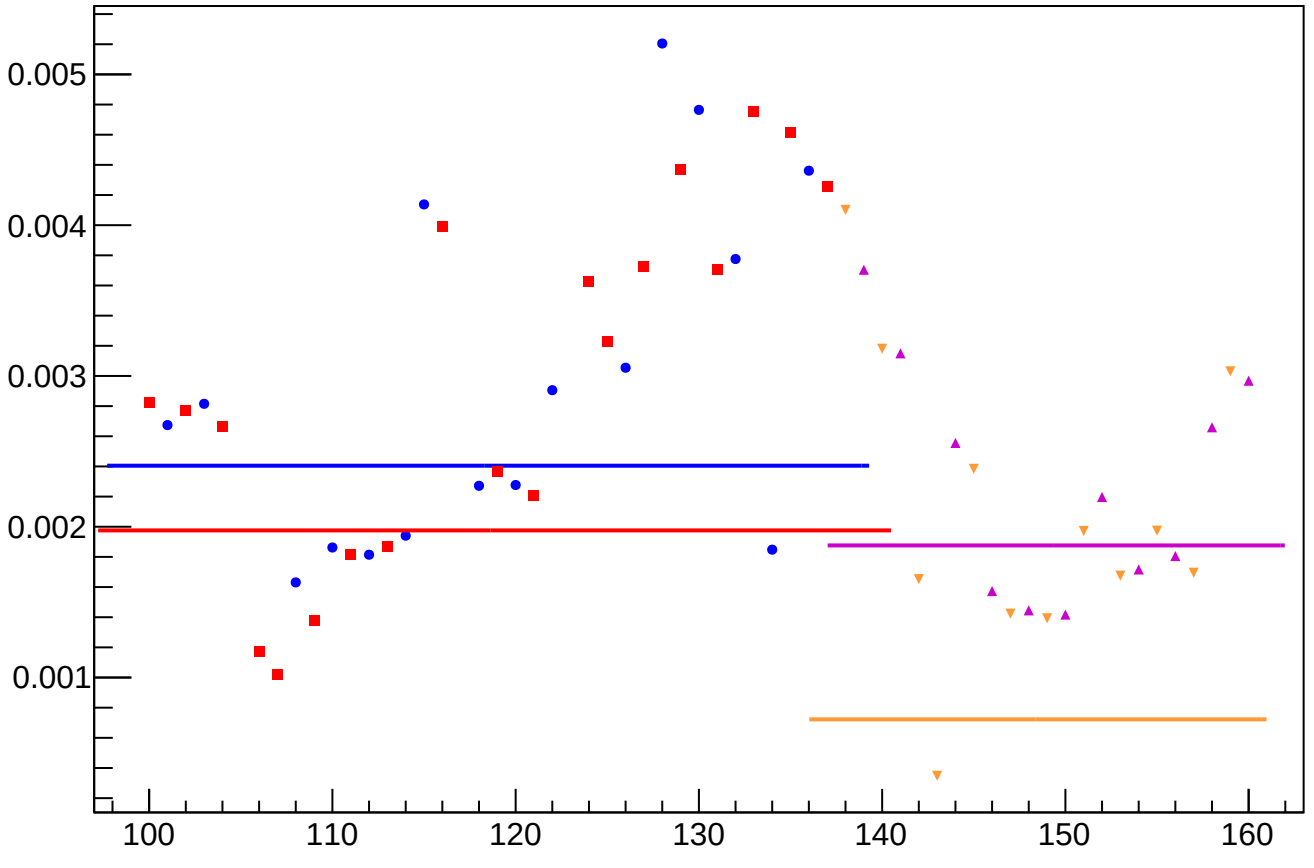
Left: -0.000+/-0.000 χ^2/NDF: 58.5/22

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:26.3/26

Out: -0.000+/-0.000 χ^2/NDF:63.1/30

All: -0.000+/-0.000 χ^2/NDF: 91.5/57



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:1621473.0/10

Left: 0.001+/-0.000 χ^2/NDF: 15530165.1/22

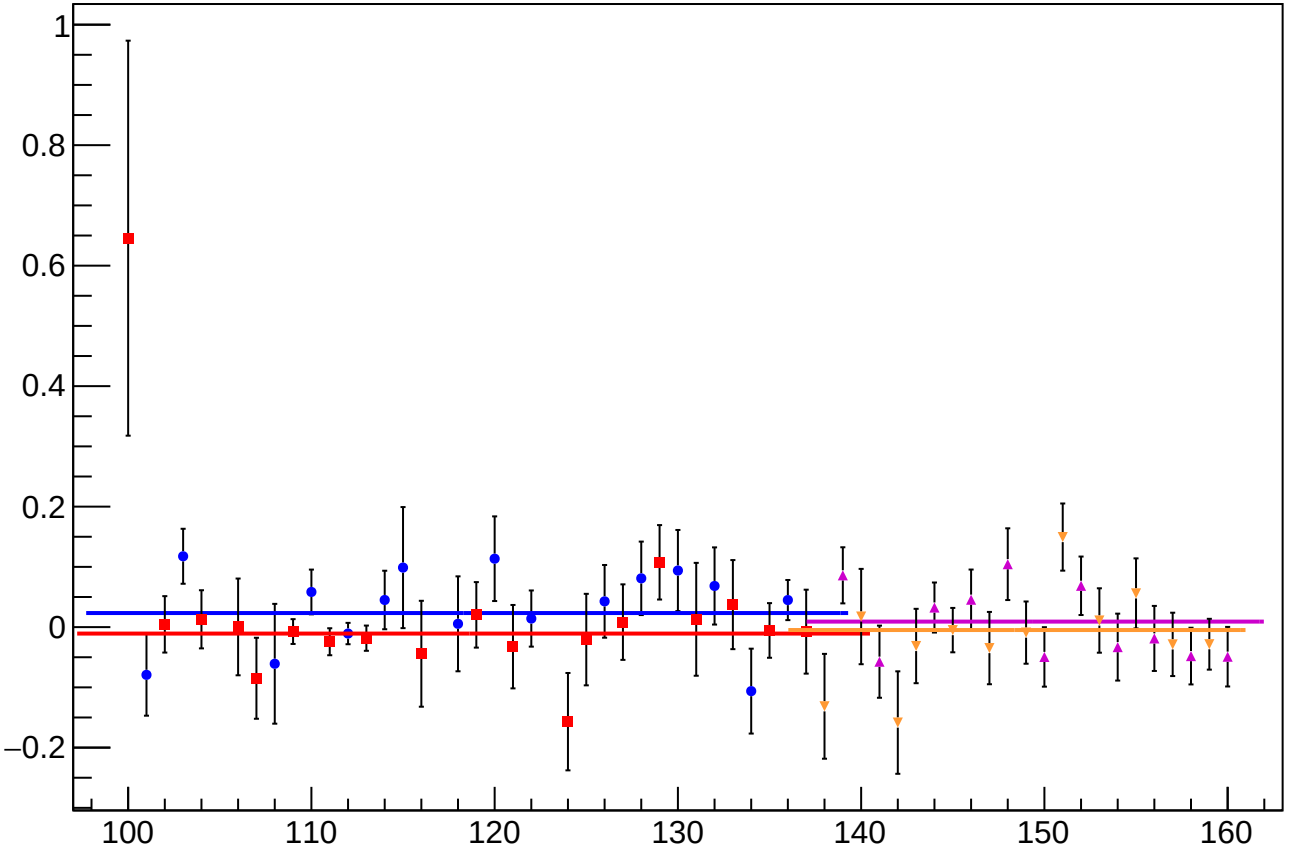
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3613790.9/26

Out: 0.001+/-0.000 χ^2/NDF:15737719.7/30

All: 0.001+/-0.000 χ^2/NDF: 26139044.2/57

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: 0.009+/-0.015 χ^2/NDF:14.0/10

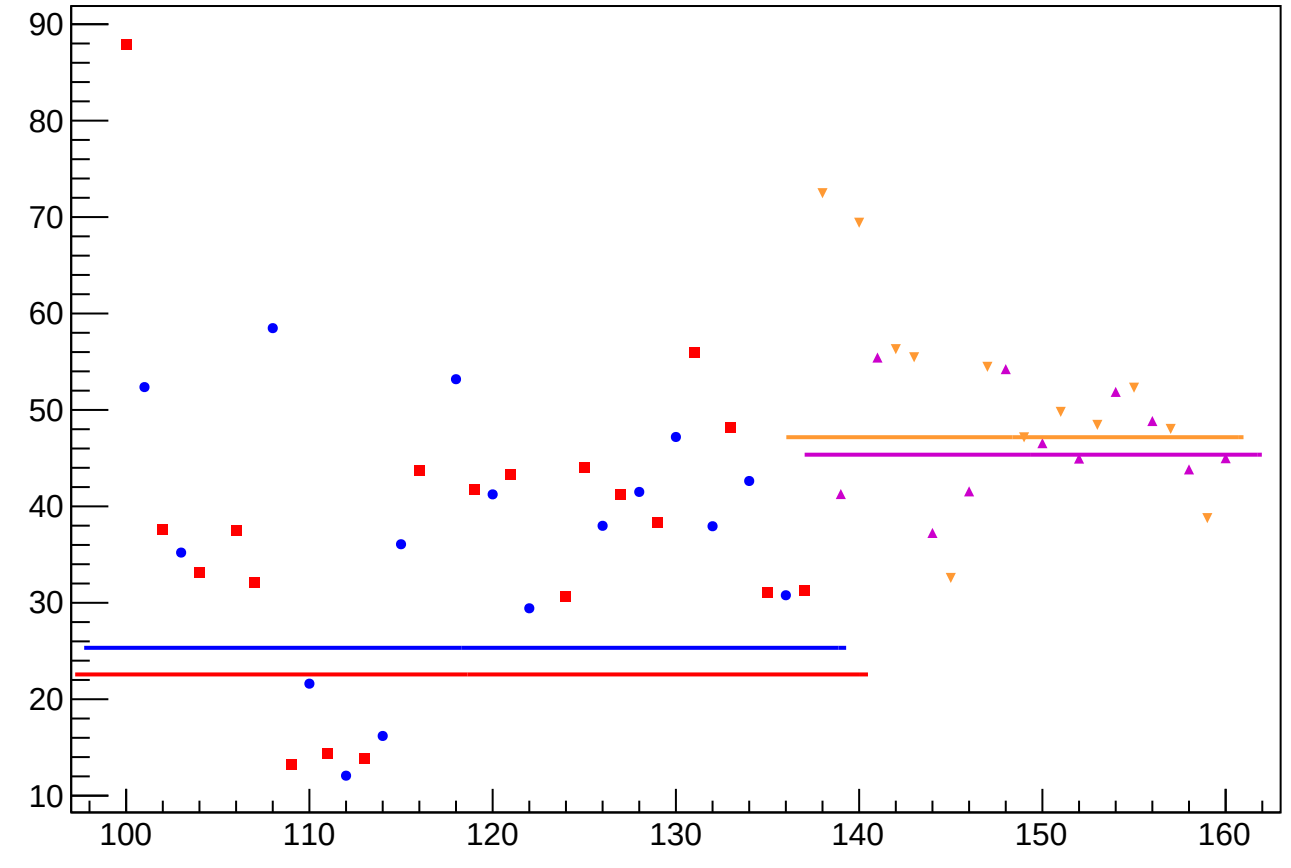
Left: 0.002+/-0.011 χ^2/NDF: 29.7/22

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.004+/-0.006 χ^2/NDF: 70.0/57



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: 45.360+/-0.011 χ^2/NDF:243659.7/10

Left: 46.224+/-0.008 χ^2/NDF: 1088006.5/22

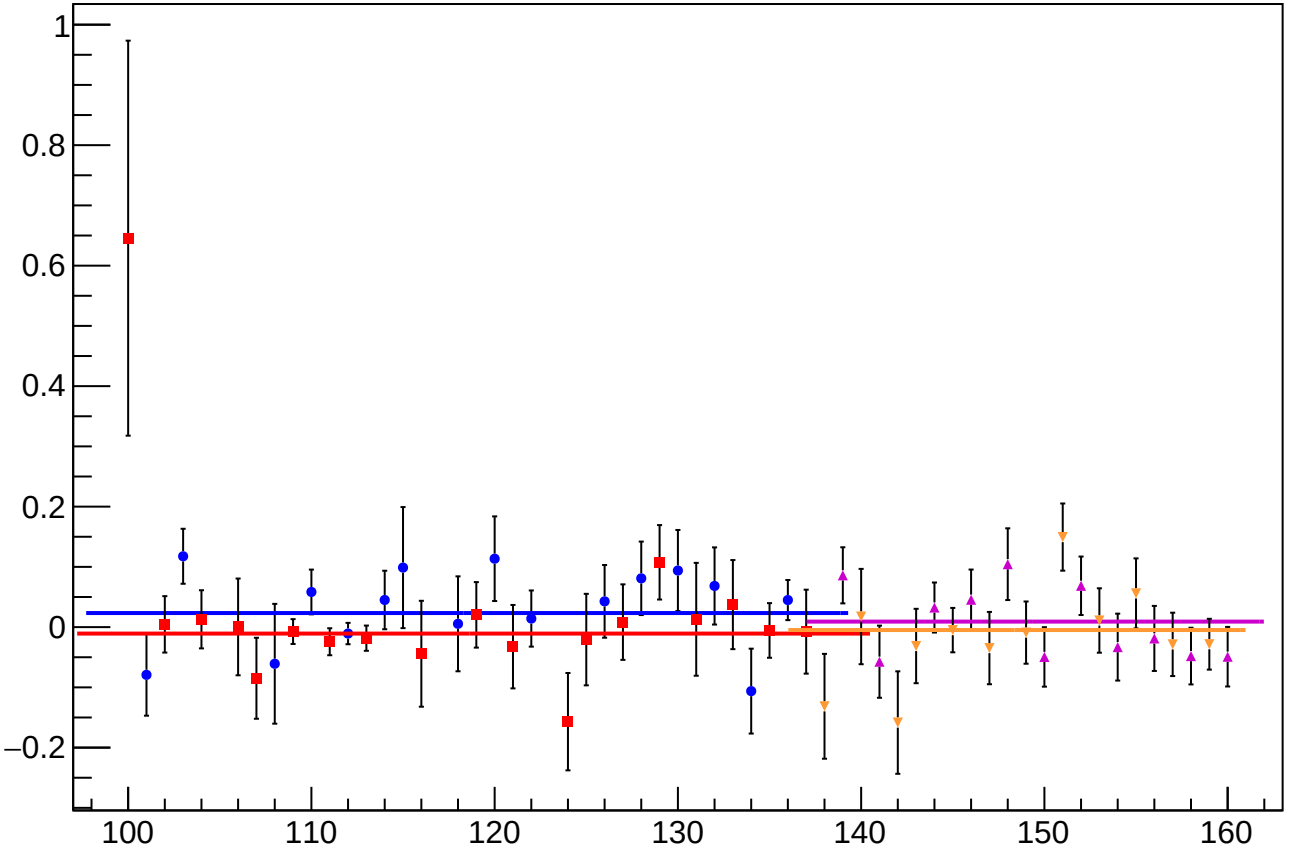
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 32.310+/-0.006 χ^2/NDF:5450536.0/26

Out: 29.368+/-0.006 χ^2/NDF:7451844.6/30

All: 30.738+/-0.004 χ^2/NDF: 13018257.2/57

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: 0.009+/-0.015 χ^2/NDF:14.0/10

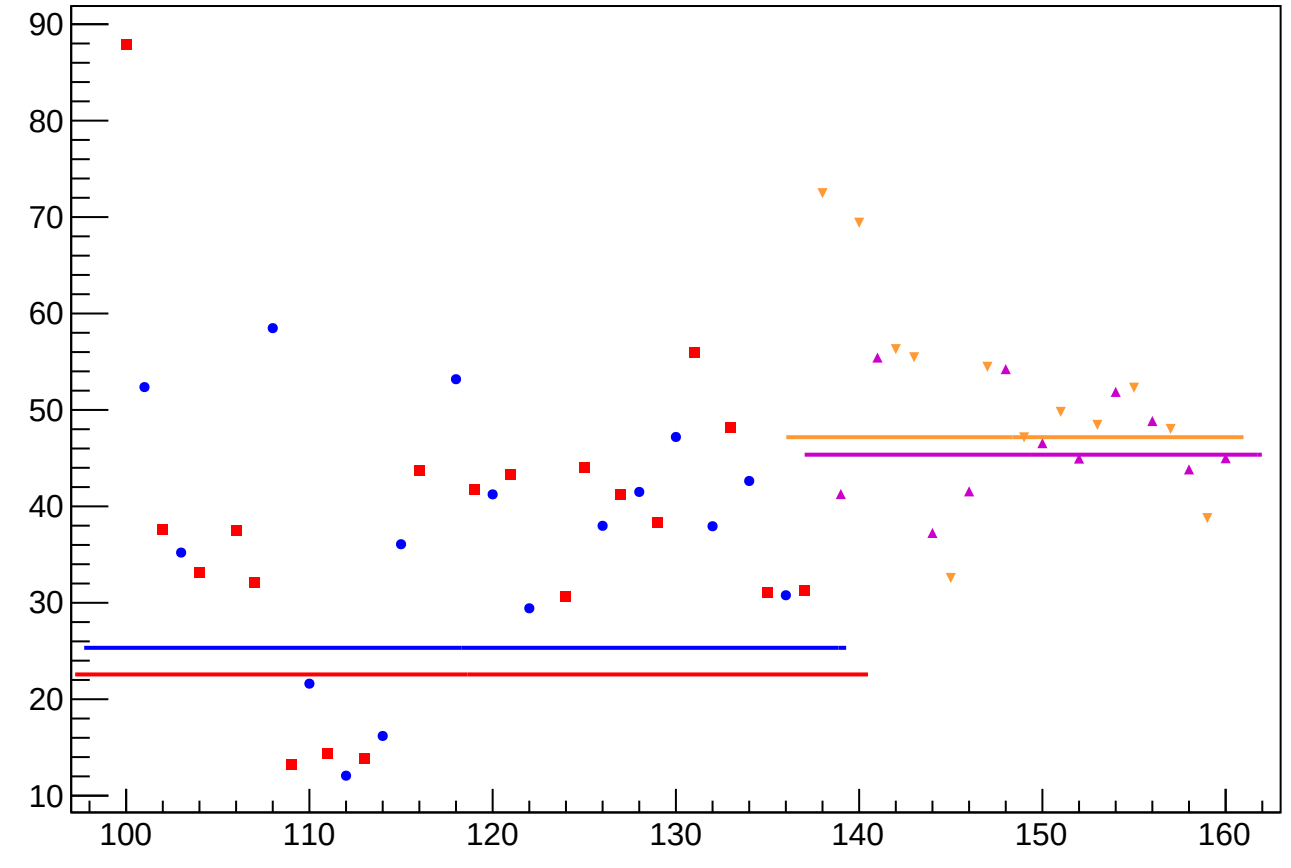
Left: 0.002+/-0.011 χ^2/NDF: 29.7/22

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.009+/-0.008 χ^2/NDF:29.6/30

All: 0.004+/-0.006 χ^2/NDF: 70.0/57



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: 45.360+/-0.011 χ^2/NDF:243659.7/10

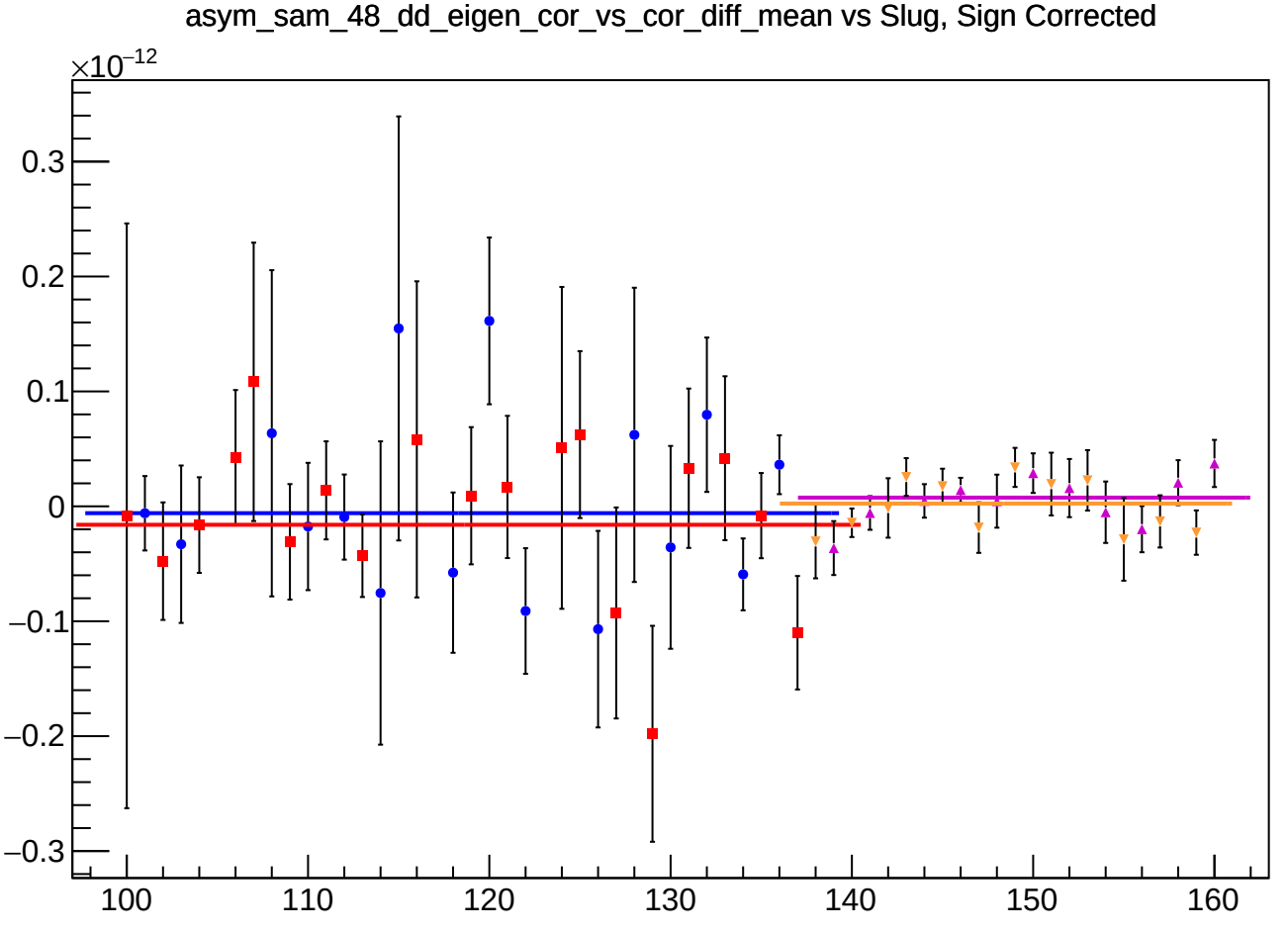
Left: 46.224+/-0.008 χ^2/NDF: 1088006.5/22

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 32.310+/-0.006 χ^2/NDF:5450536.0/26

Out: 29.368+/-0.006 χ^2/NDF:7451844.6/30

All: 30.738+/-0.004 χ^2/NDF: 13018257.2/57



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:11.0/10

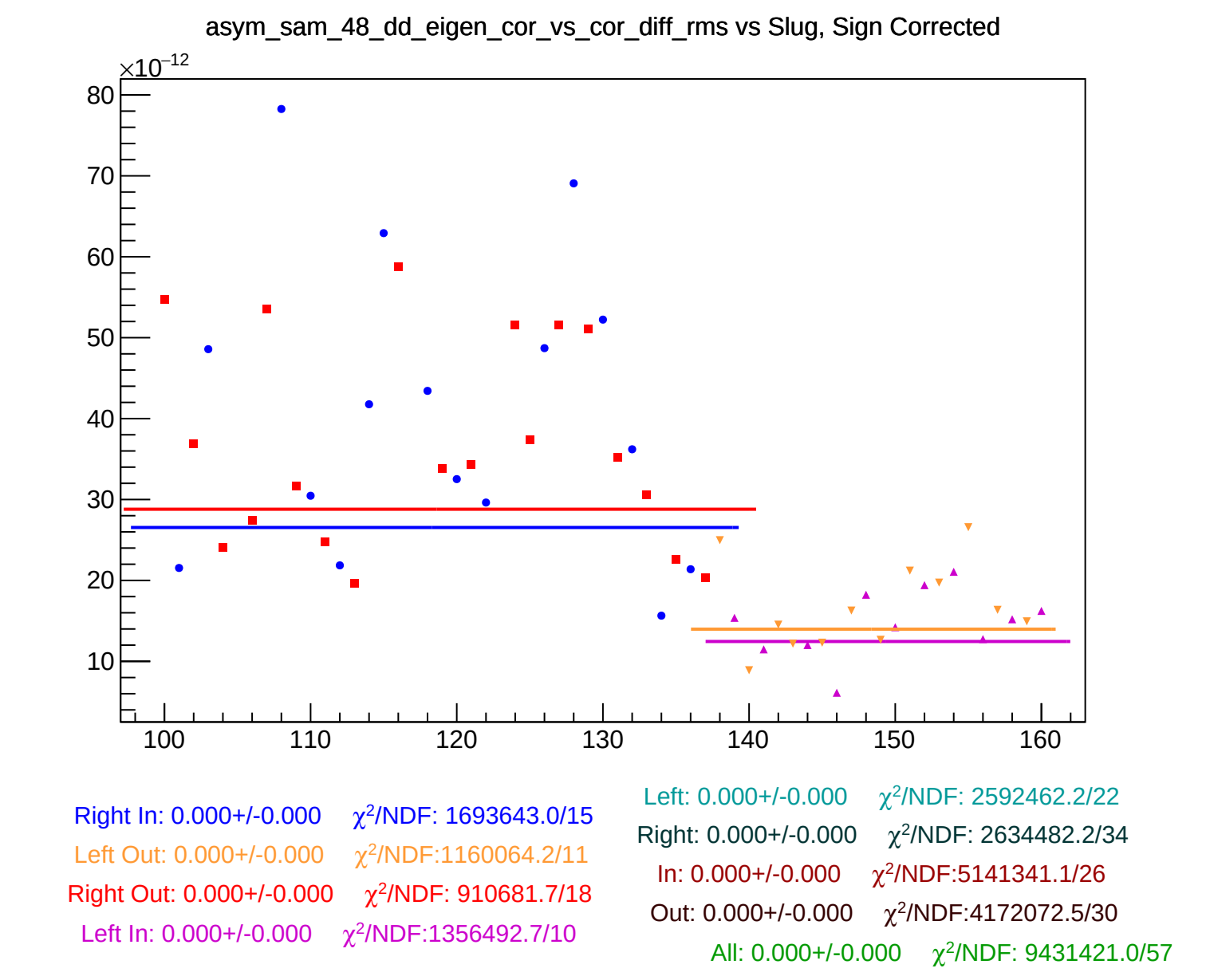
Left: 0.000+/-0.000 χ^2/NDF: 25.6/22

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:30.8/26

Out: -0.000+/-0.000 χ^2/NDF:30.7/30

All: 0.000+/-0.000 χ^2/NDF: 62.2/57


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
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30
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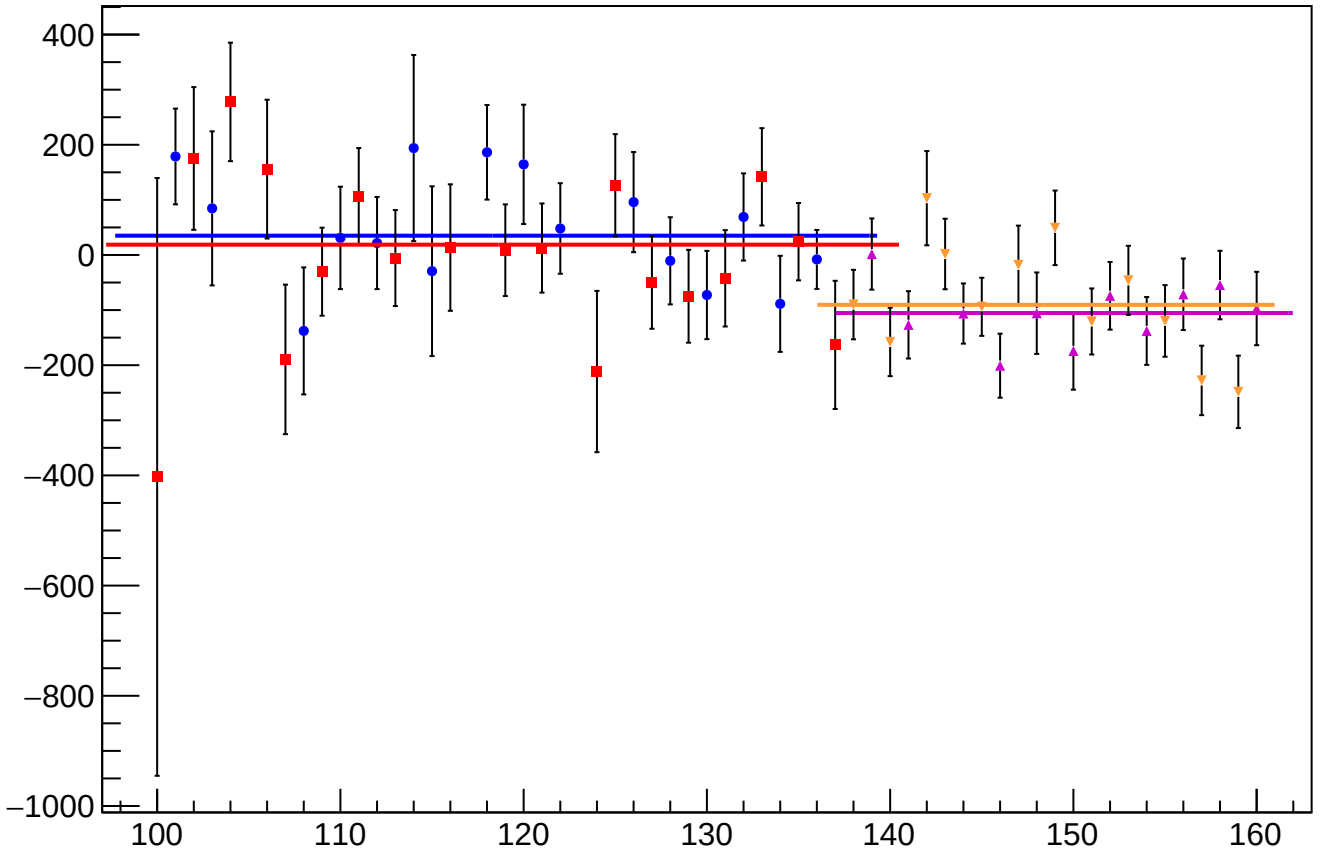
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1160064.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1356492.7/10
Left: 0.000+/-0.000 χ²/NDF: 2592462.2/22
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5141341.1/26
Out: 0.000+/-0.000 χ²/NDF:4172072.5/30
All: 0.000+/-0.000 χ²/NDF: 9431421.0/57



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: -105.297+/-18.987 χ^2/NDF:8.0/10

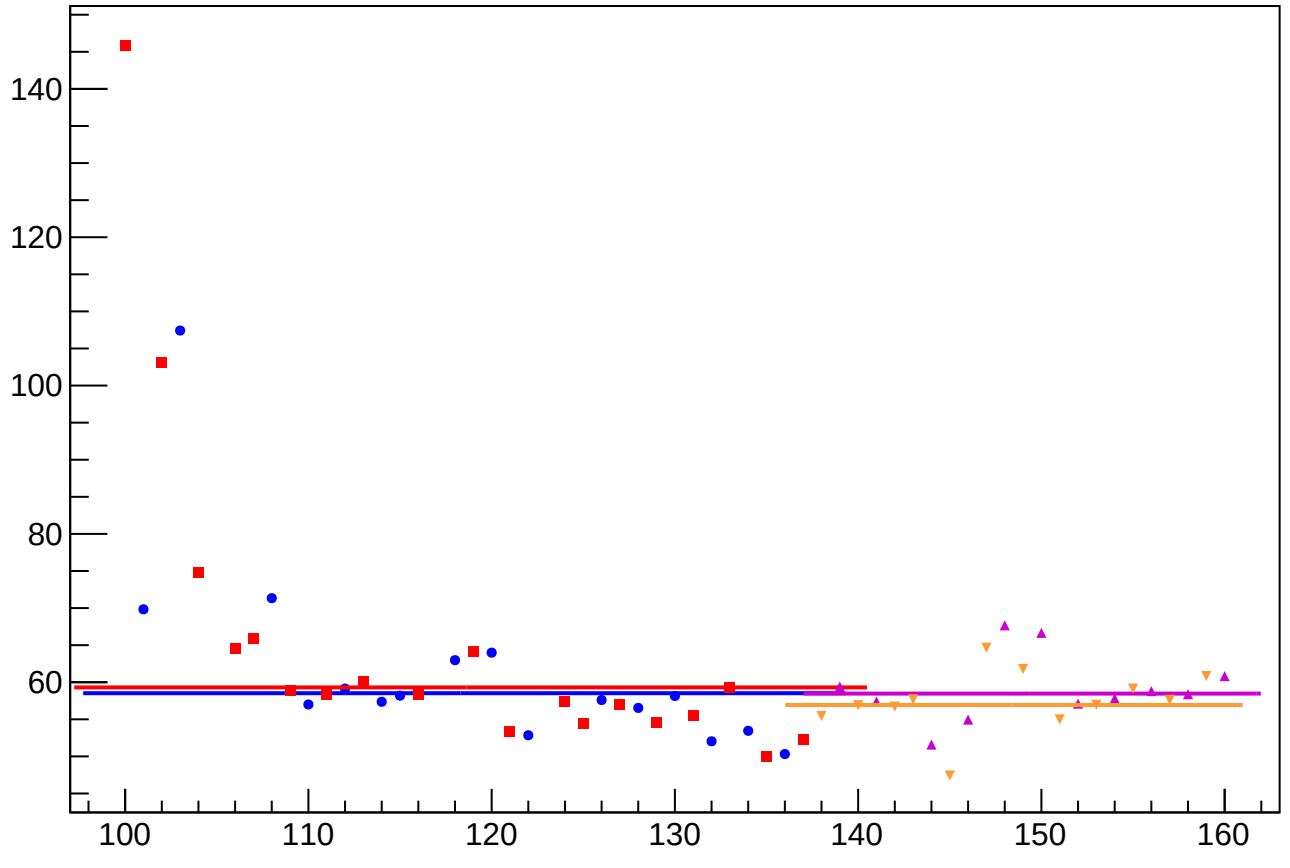
Left: -97.693+/-13.252 χ^2/NDF: 33.5/22

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -45.814+/-14.411 χ^2/NDF:47.4/26

Out: -45.569+/-14.198 χ^2/NDF:63.0/30

All: -45.690+/-10.114 χ^2/NDF: 110.3/57



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: 58.469+/-0.013 χ^2/NDF:101782.7/10

Left: 57.682+/-0.009 χ^2/NDF: 220514.0/22

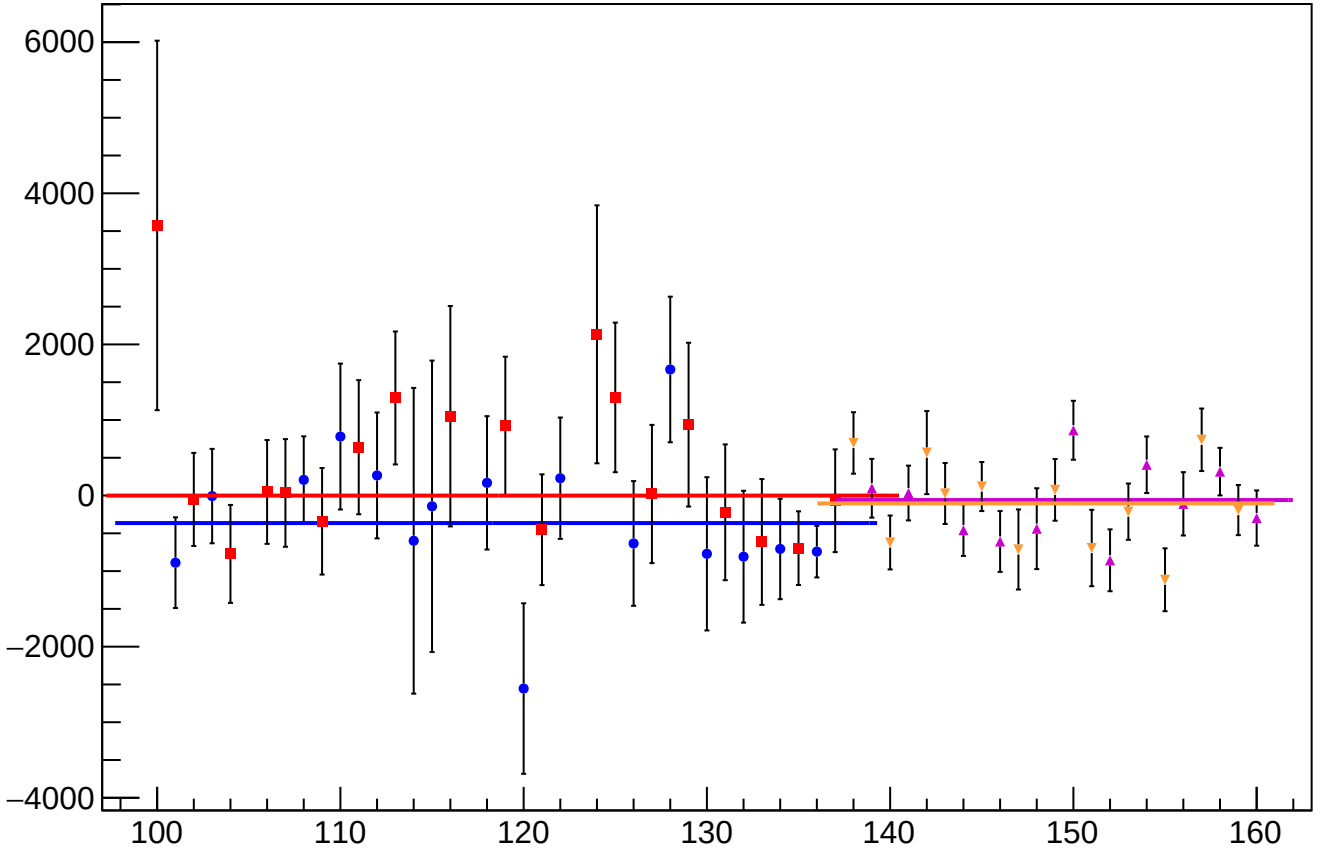
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.492+/-0.010 χ^2/NDF:494531.6/26

Out: 57.908+/-0.010 χ^2/NDF:532099.5/30

All: 58.195+/-0.007 χ^2/NDF: 1028296.6/57

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: -59.525+/-115.169 χ^2/NDF:16.8/10

Left: -81.498+/-81.748 χ^2/NDF: 37.9/22

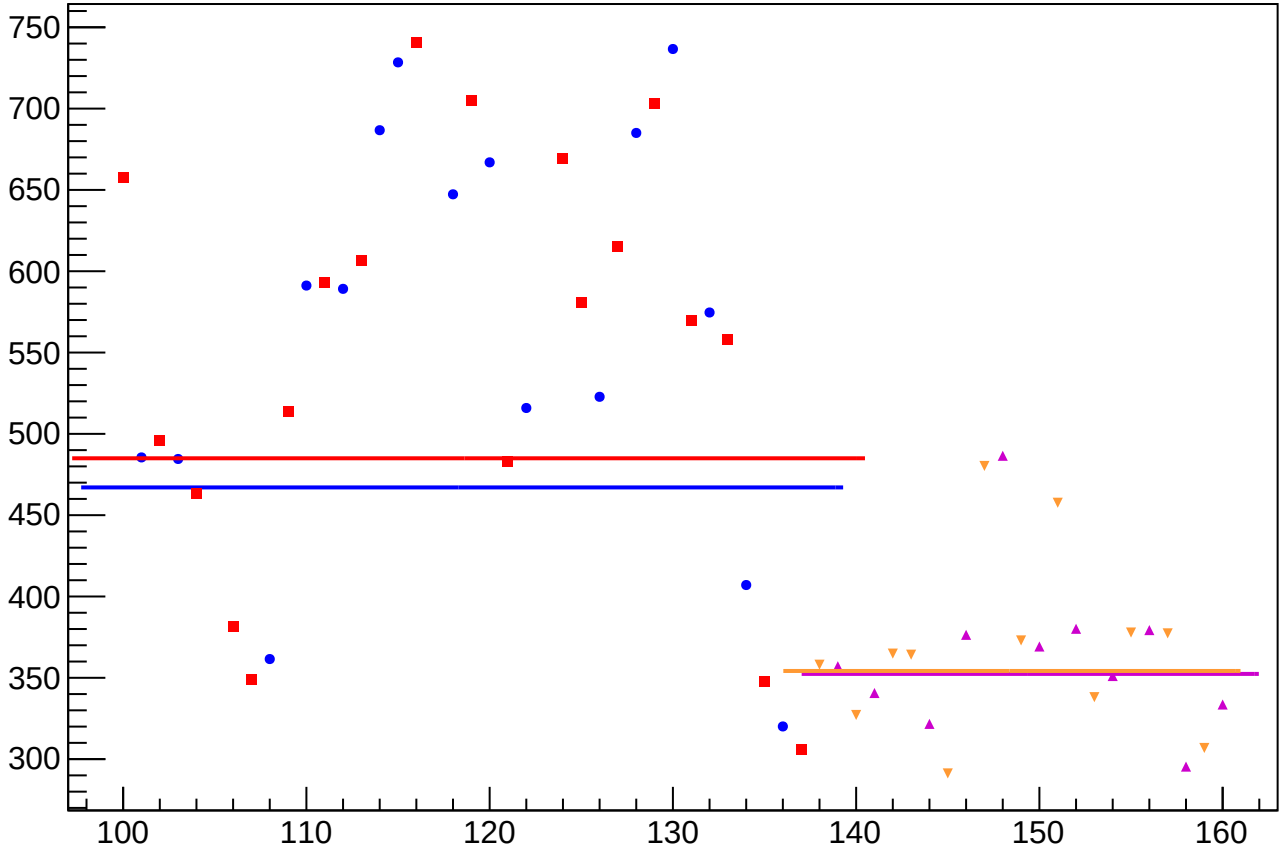
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -147.569+/-97.105 χ^2/NDF:34.0/26

Out: -74.218+/-98.021 χ^2/NDF:36.4/30

All: -111.238+/-68.985 χ^2/NDF: 70.7/57

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: 352.398+/-0.081 χ^2/NDF:243471.6/10

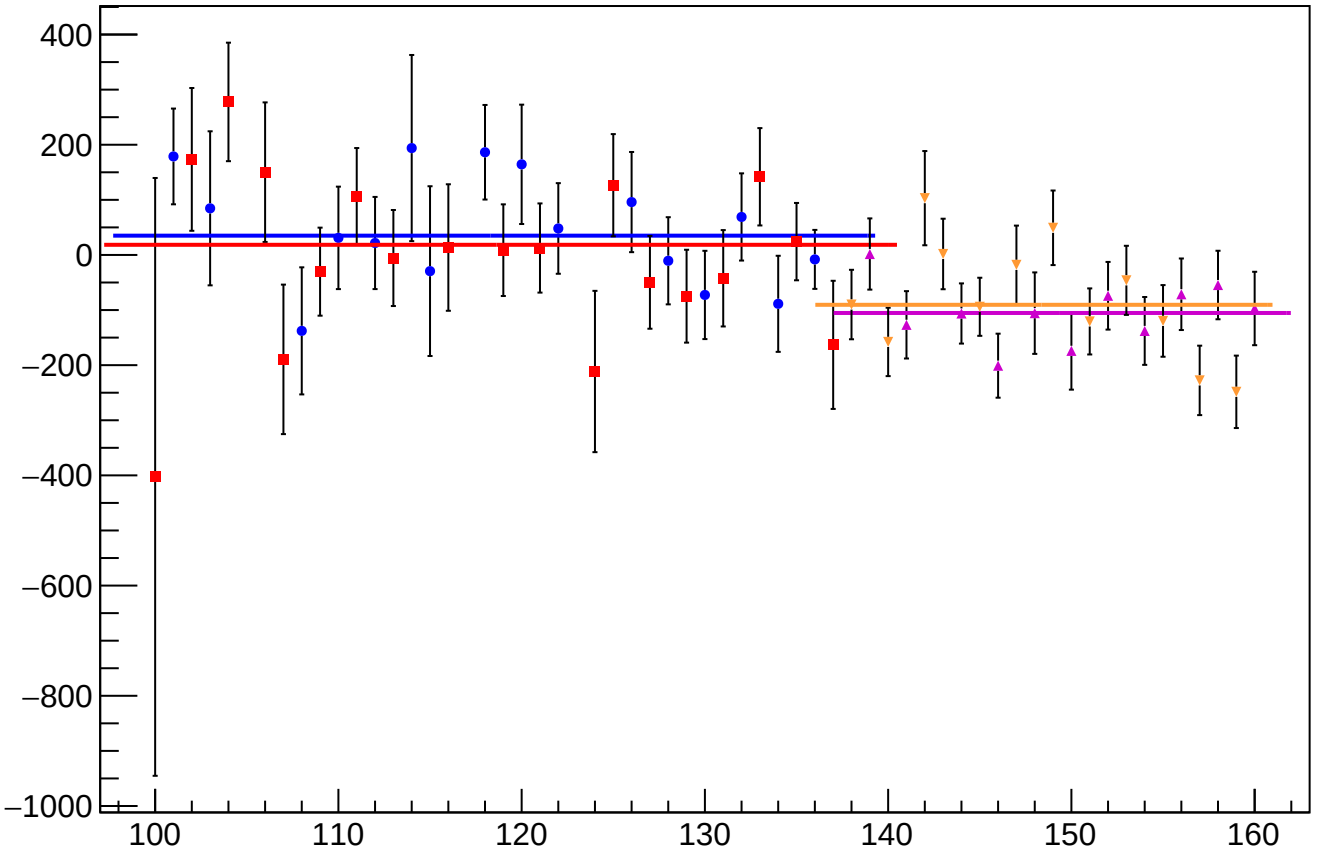
Left: 353.295+/-0.058 χ^2/NDF: 591098.9/22

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 385.549+/-0.069 χ^2/NDF:1846946.1/26

Out: 391.690+/-0.069 χ^2/NDF:1949426.0/30

All: 388.590+/-0.049 χ^2/NDF: 3800334.7/57



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: -105.298+/-18.987 χ^2/NDF:8.0/10

Left: -97.692+/-13.252 χ^2/NDF: 33.5/22

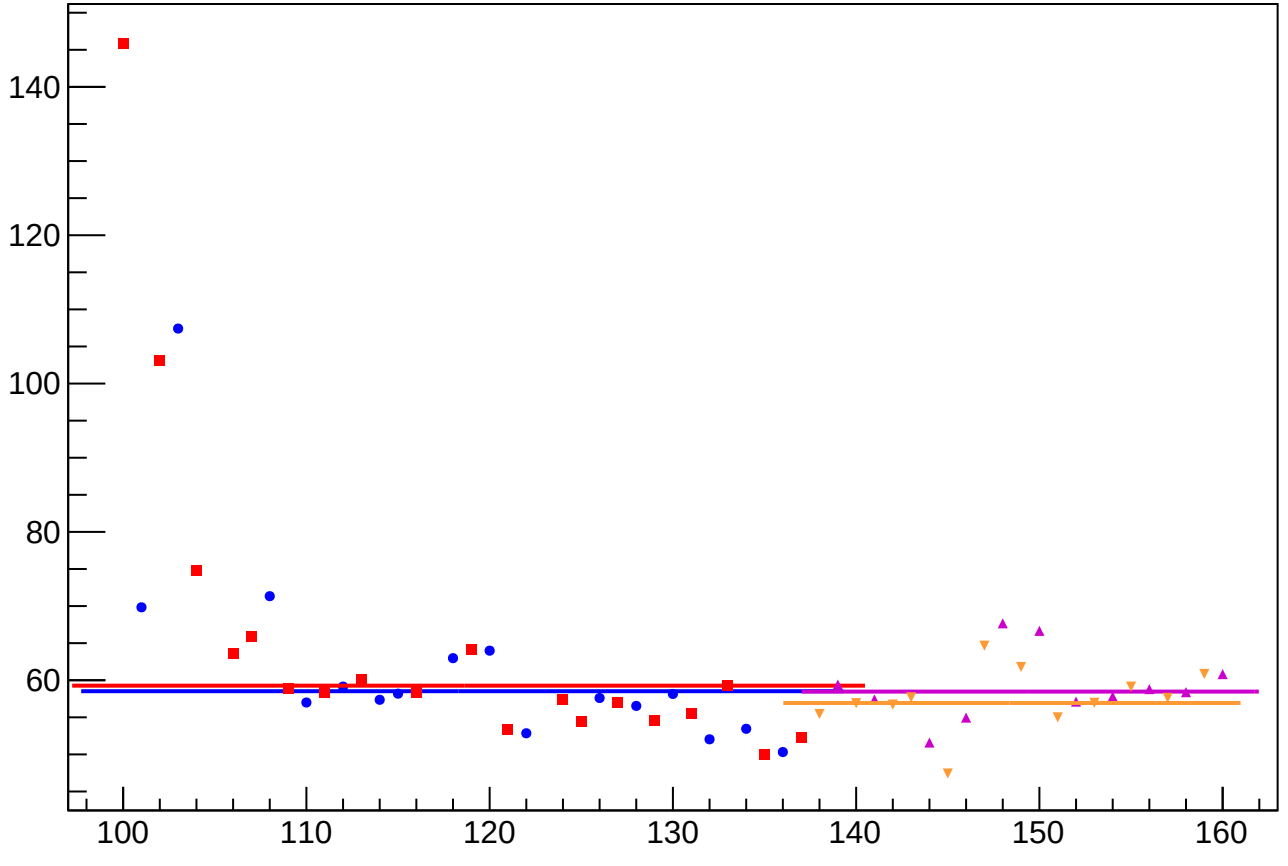
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -45.816+/-14.411 χ^2/NDF:47.4/26

Out: -45.689+/-14.199 χ^2/NDF:62.8/30

All: -45.751+/-10.114 χ^2/NDF: 110.1/57

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: 58.469+/-0.013 χ^2/NDF:101782.7/10

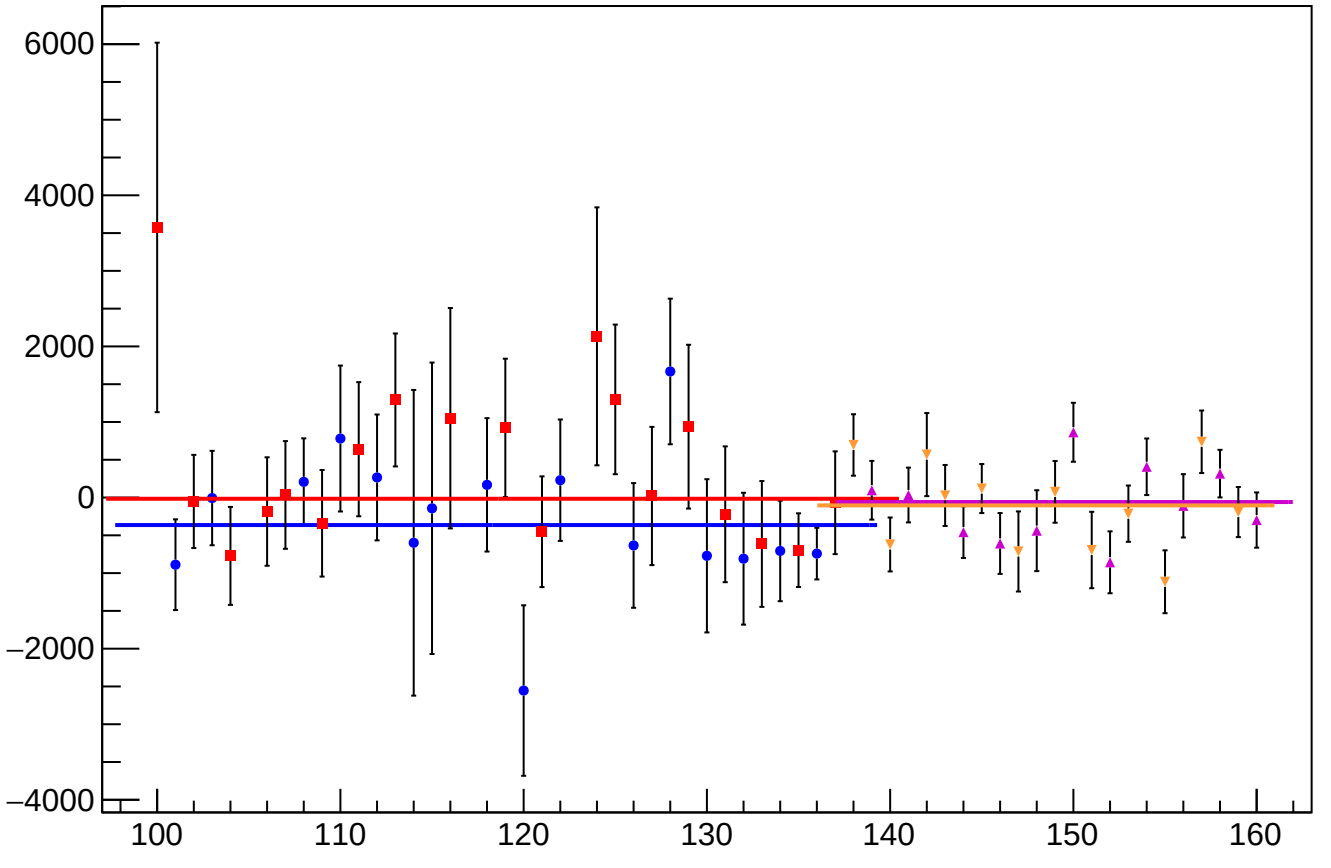
Left: 57.682+/-0.009 χ^2/NDF: 220514.1/22

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.492+/-0.010 χ^2/NDF:494533.7/26

Out: 57.894+/-0.010 χ^2/NDF:530741.9/30

All: 58.189+/-0.007 χ^2/NDF: 1027017.6/57



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: -59.524+/-115.169 χ^2/NDF:16.8/10

Left: -81.497+/-81.748 χ^2/NDF: 37.9/22

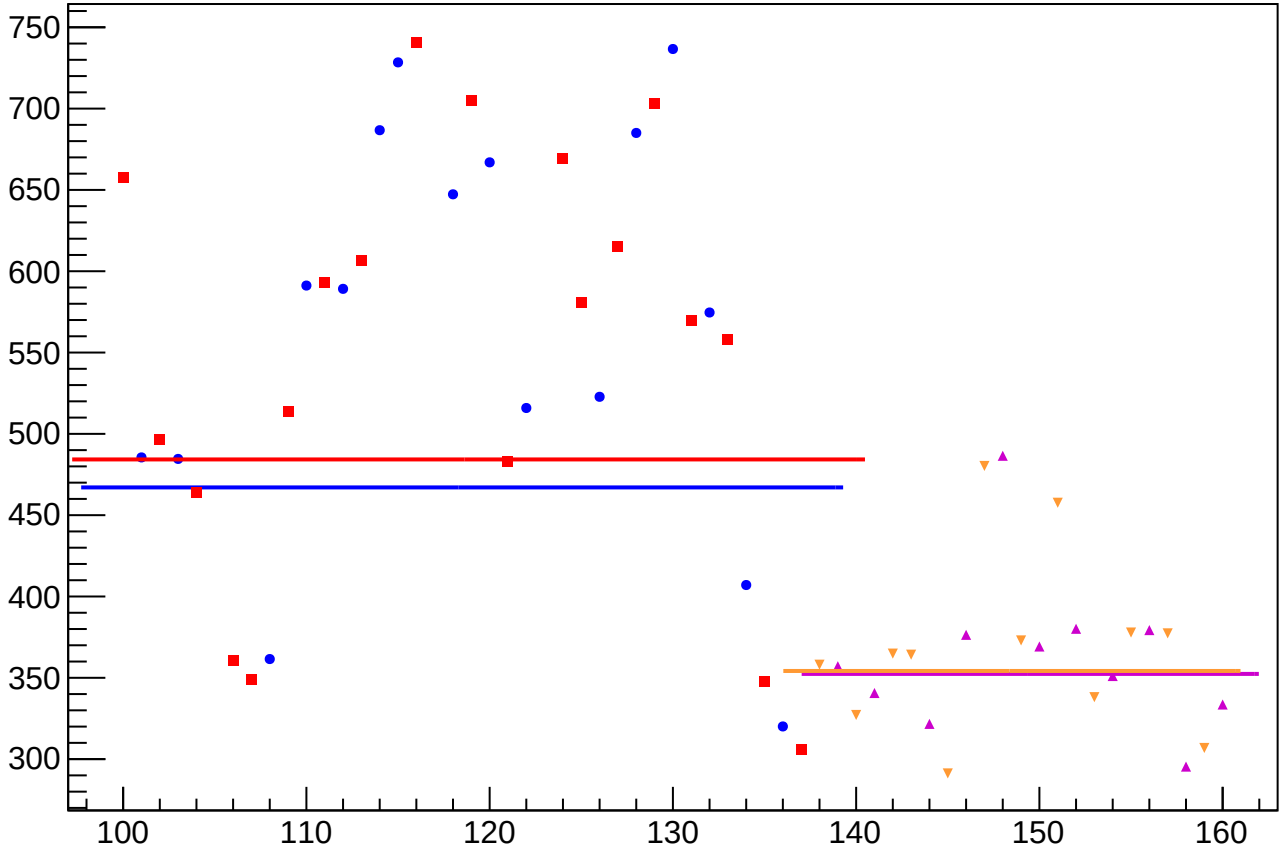
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -147.558+/-97.105 χ^2/NDF:34.0/26

Out: -78.776+/-98.107 χ^2/NDF:36.4/30

All: -113.520+/-69.015 χ^2/NDF: 70.7/57

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: 352.398+/-0.081 χ^2/NDF:243471.9/10

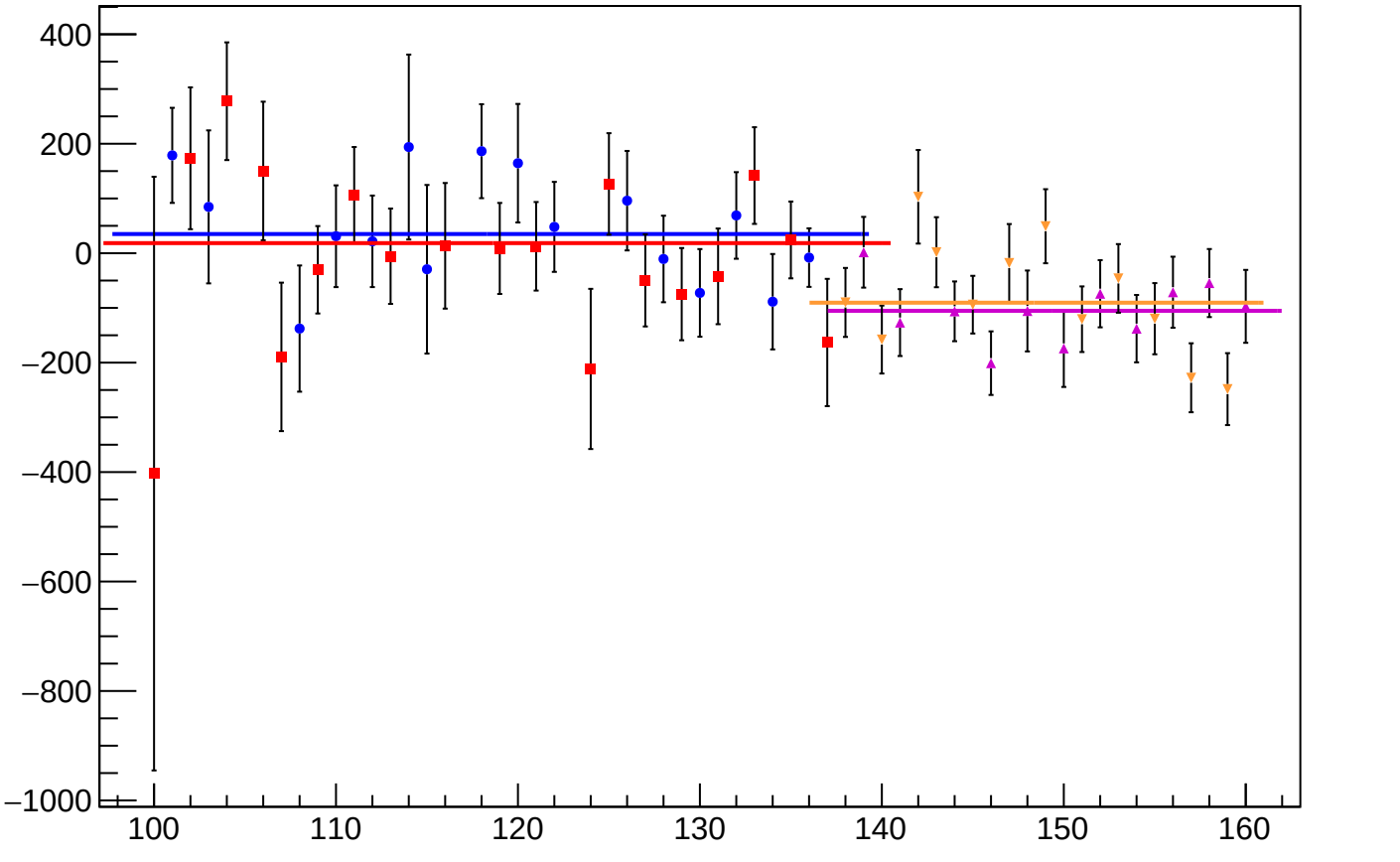
Left: 353.295+/-0.058 χ^2/NDF: 591100.1/22

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 385.549+/-0.069 χ^2/NDF:1846968.9/26

Out: 391.323+/-0.069 χ^2/NDF:1953099.3/30

All: 388.407+/-0.049 χ^2/NDF: 3803568.0/57



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: -105.298+/-18.987 χ^2/NDF:8.0/10

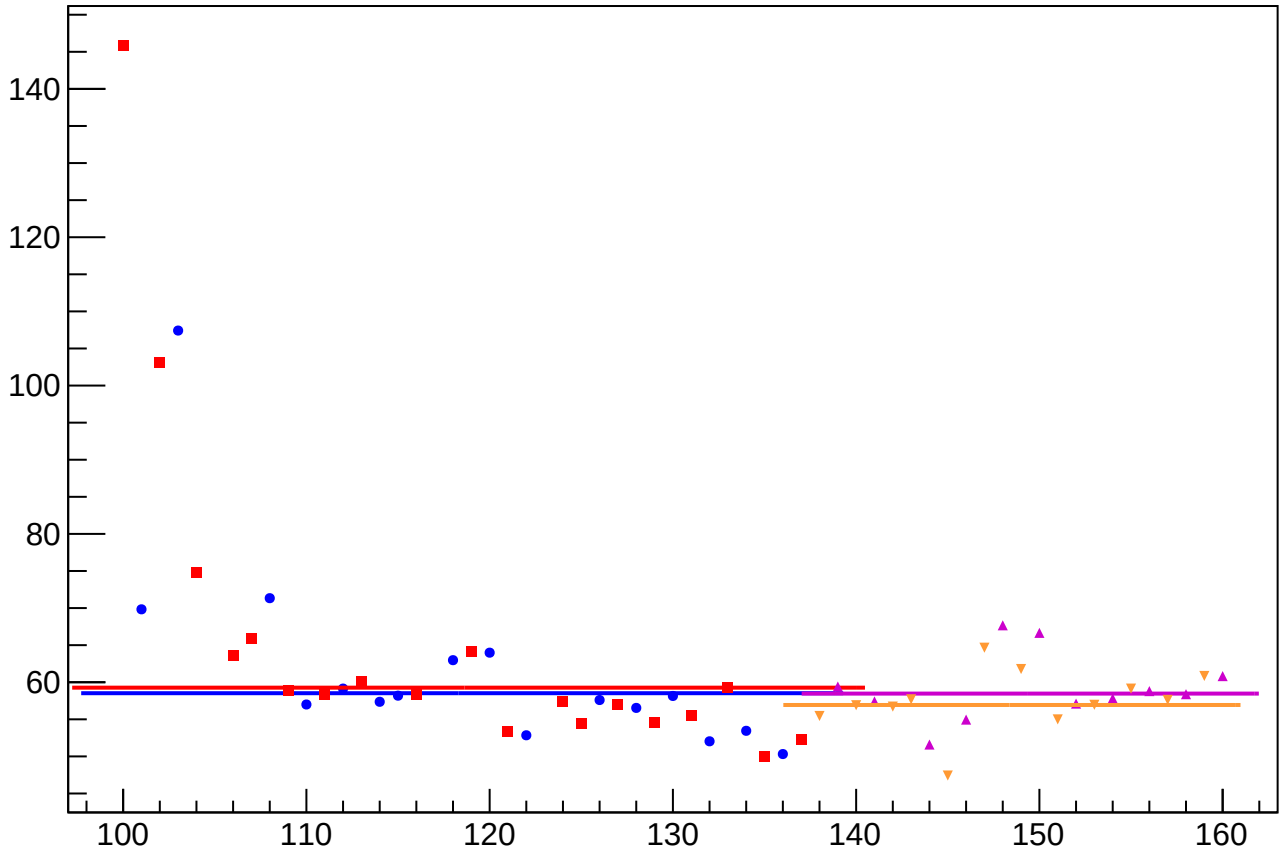
Left: -97.692+/-13.252 χ^2/NDF: 33.5/22

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -45.816+/-14.411 χ^2/NDF:47.4/26

Out: -45.689+/-14.199 χ^2/NDF:62.8/30

All: -45.751+/-10.114 χ^2/NDF: 110.1/57



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: 58.469+/-0.013 χ^2/NDF:101782.7/10

Left: 57.682+/-0.009 χ^2/NDF: 220514.1/22

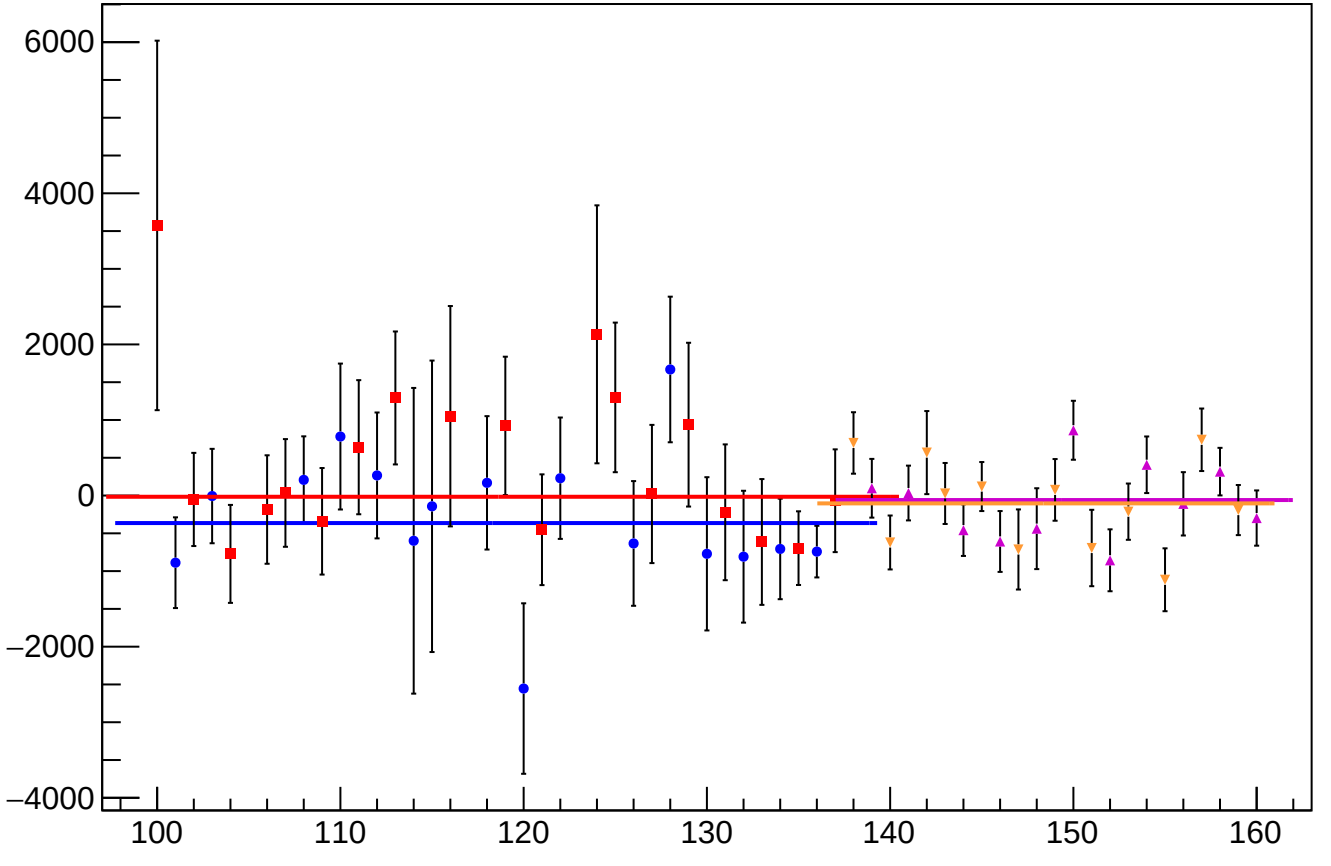
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.492+/-0.010 χ^2/NDF:494533.7/26

Out: 57.894+/-0.010 χ^2/NDF:530741.9/30

All: 58.189+/-0.007 χ^2/NDF: 1027017.6/57

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: -59.524+/-115.169 χ^2/NDF:16.8/10

Left: -81.497+/-81.748 χ^2/NDF: 37.9/22

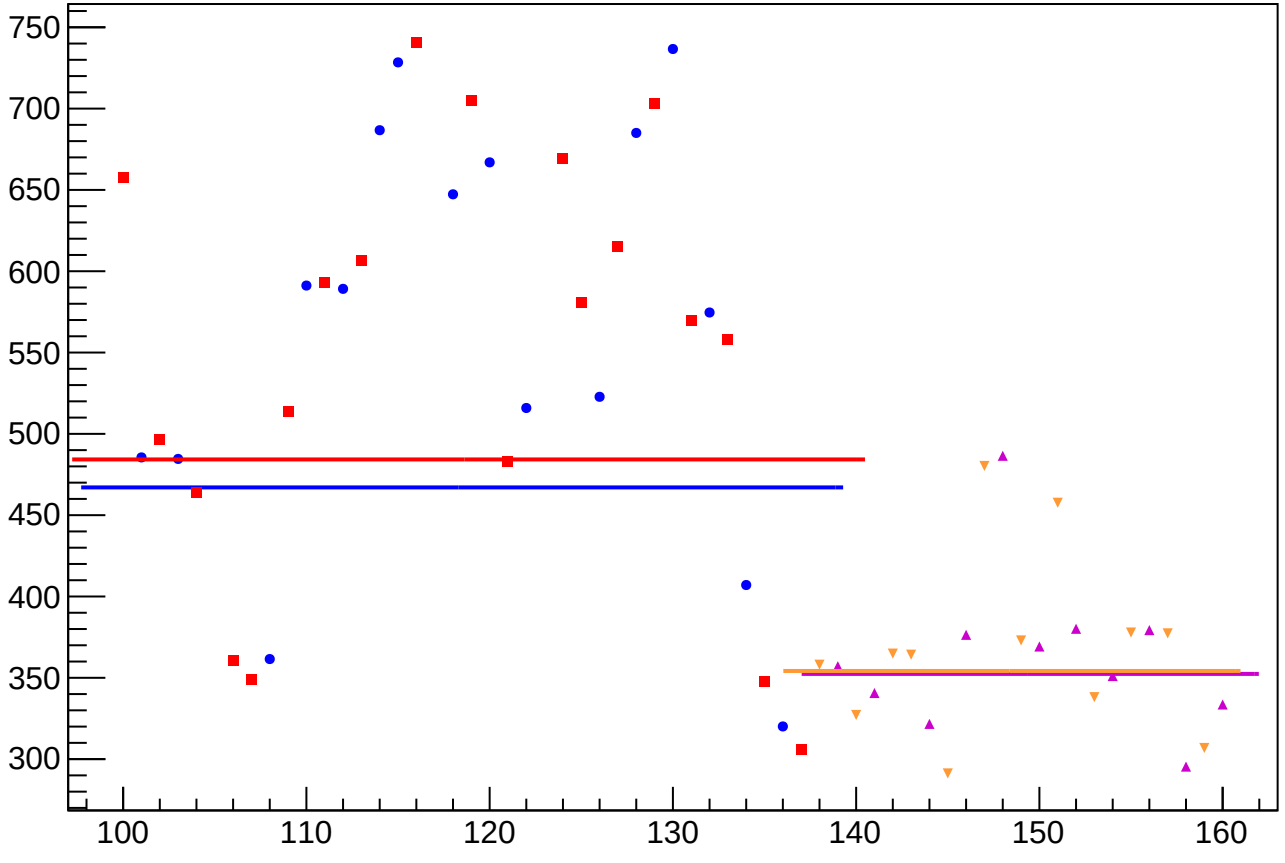
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -147.558+/-97.105 χ^2/NDF:34.0/26

Out: -78.776+/-98.107 χ^2/NDF:36.4/30

All: -113.520+/-69.015 χ^2/NDF: 70.7/57

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: 352.398+/-0.081 χ^2/NDF:243471.9/10

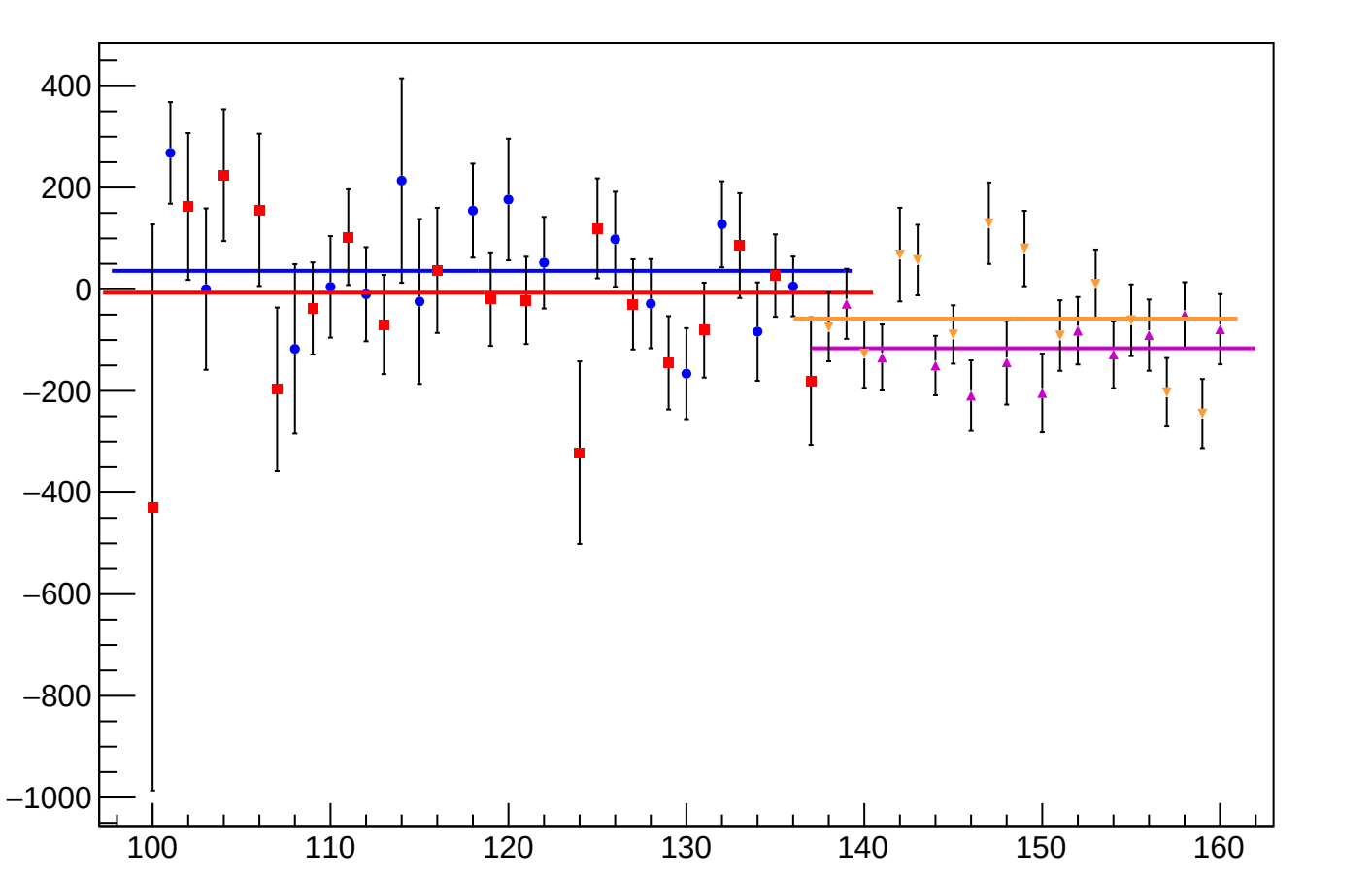
Left: 353.295+/-0.058 χ^2/NDF: 591100.1/22

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 385.549+/-0.069 χ^2/NDF:1846968.9/26

Out: 391.323+/-0.069 χ^2/NDF:1953099.3/30

All: 388.407+/-0.049 χ^2/NDF: 3803568.0/57



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: -116.297+/-20.574 χ^2/NDF:7.0/10

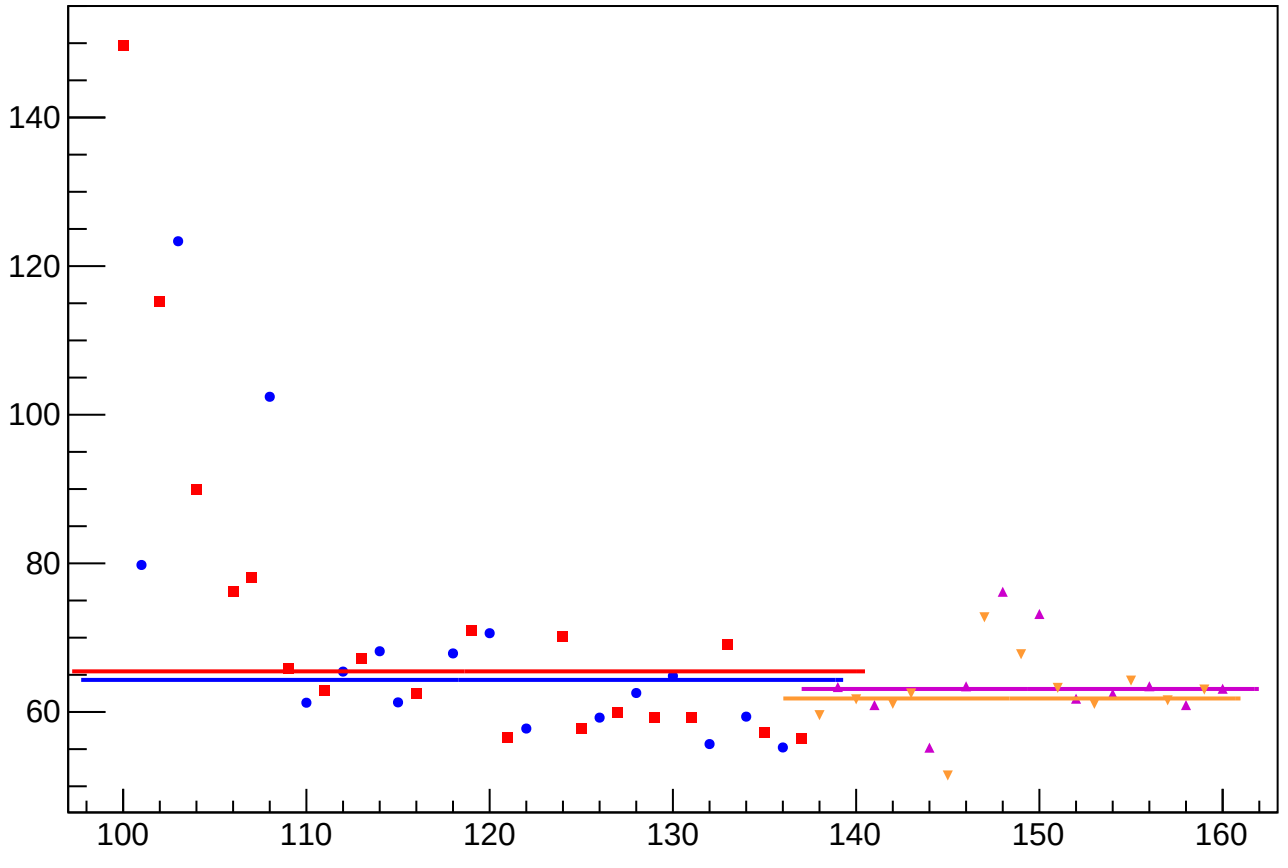
Left: -86.398+/-14.386 χ^2/NDF: 39.5/22

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.162+/-15.748 χ^2/NDF:49.4/26

Out: -37.294+/-15.566 χ^2/NDF:51.3/30

All: -45.136+/-11.071 χ^2/NDF: 101.2/57



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: 63.097+/-0.015 χ^2/NDF:125412.8/10

Left: 62.443+/-0.010 χ^2/NDF: 251045.4/22

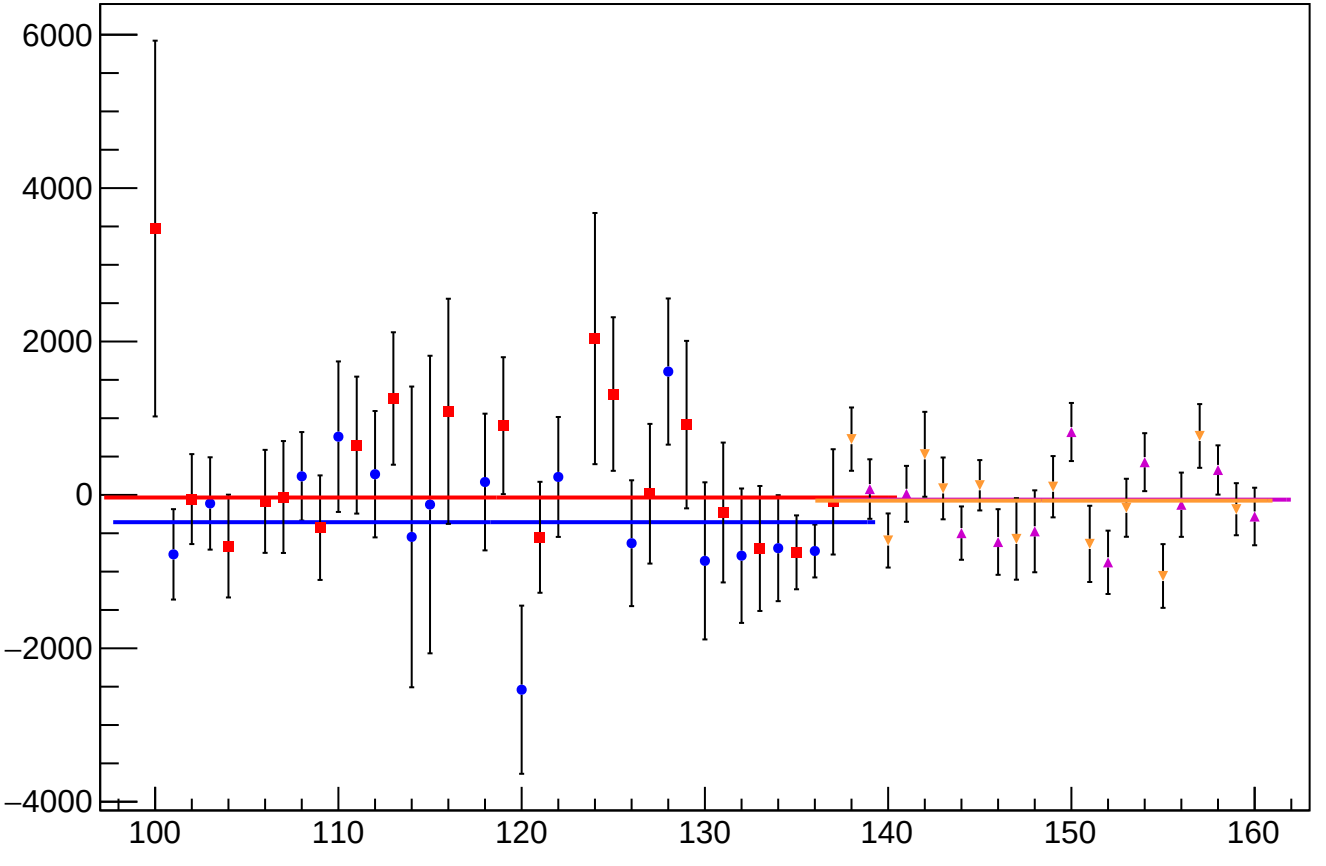
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.602+/-0.011 χ^2/NDF:660385.0/26

Out: 63.282+/-0.011 χ^2/NDF:630447.2/30

All: 63.440+/-0.008 χ^2/NDF: 1291249.7/57

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



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: -61.656+/-116.458 χ^2/NDF:16.8/10

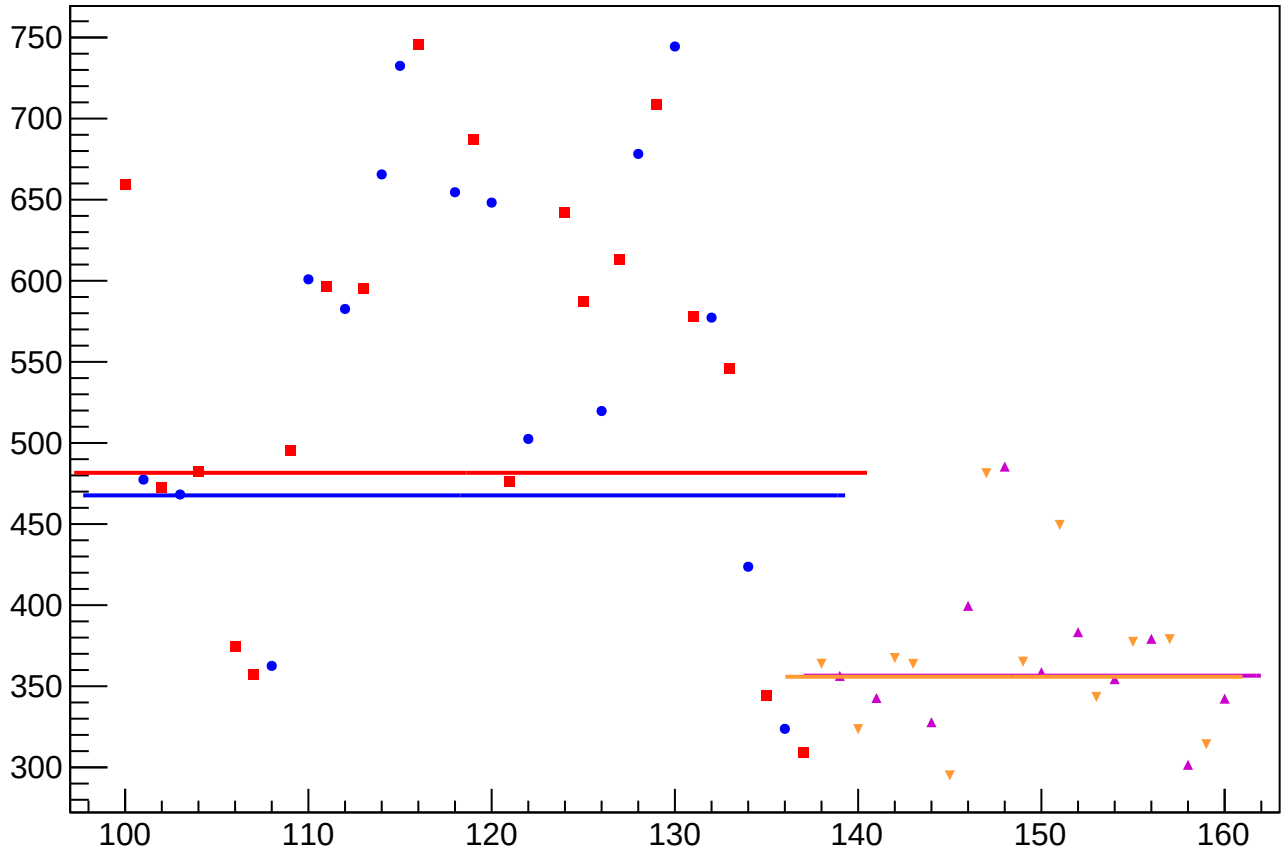
Left: -68.058+/-82.353 χ^2/NDF: 36.8/22

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -148.144+/-97.831 χ^2/NDF:33.5/26

Out: -62.603+/-98.034 χ^2/NDF:35.4/30

All: -105.462+/-69.249 χ^2/NDF: 69.2/57



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: 356.522+/-0.082 χ^2/NDF:229002.0/10

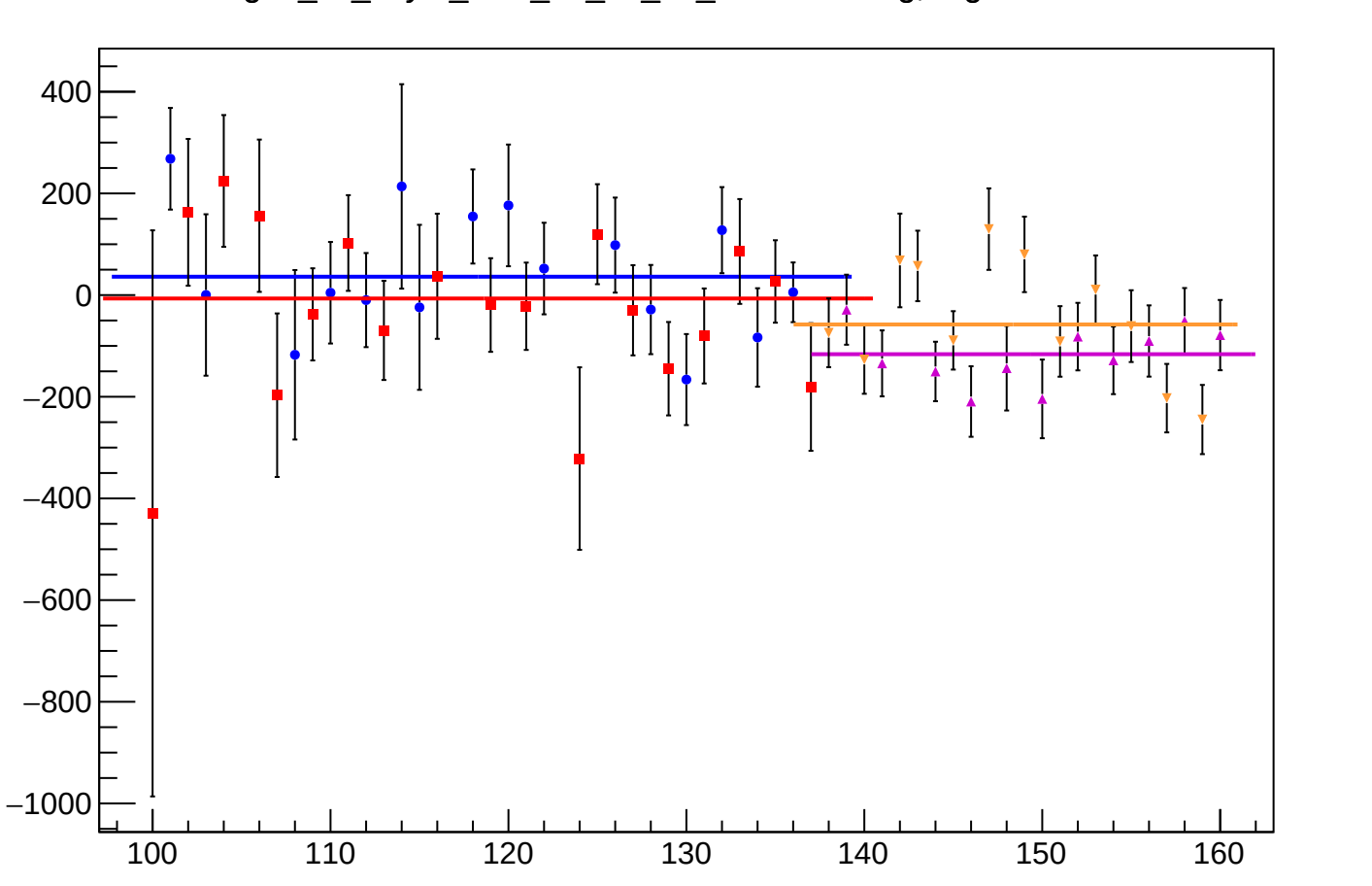
Left: 356.194+/-0.058 χ^2/NDF: 544133.0/22

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 389.235+/-0.069 χ^2/NDF:1751145.0/26

Out: 392.524+/-0.069 χ^2/NDF:1848888.3/30

All: 390.876+/-0.049 χ^2/NDF: 3601161.2/57



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: -116.297+/-20.574 χ^2/NDF:7.0/10

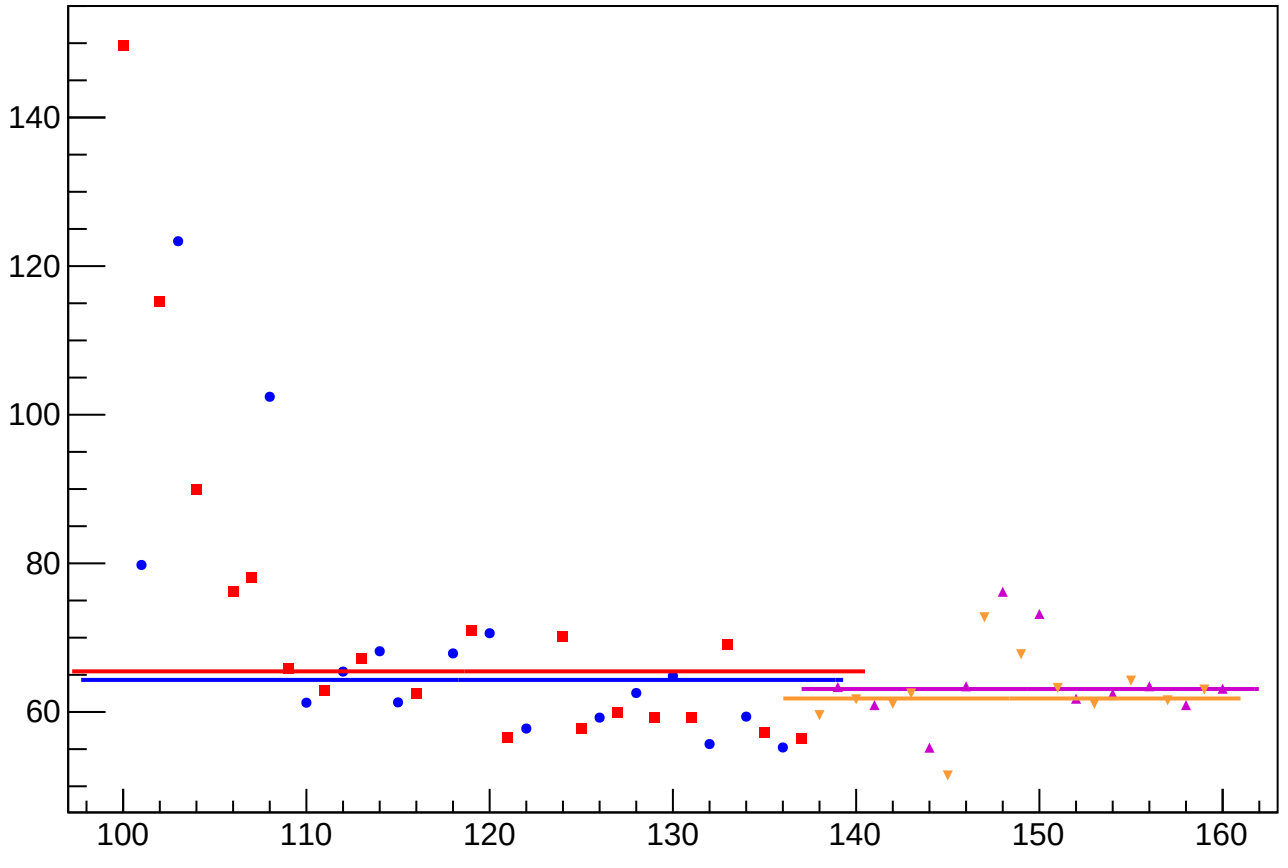
Left: -86.397+/-14.386 χ^2/NDF: 39.5/22

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.161+/-15.748 χ^2/NDF:49.4/26

Out: -37.293+/-15.566 χ^2/NDF:51.3/30

All: -45.135+/-11.071 χ^2/NDF: 101.2/57



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: 63.097+/-0.015 χ^2/NDF:125415.2/10

Left: 62.443+/-0.010 χ^2/NDF: 251050.7/22

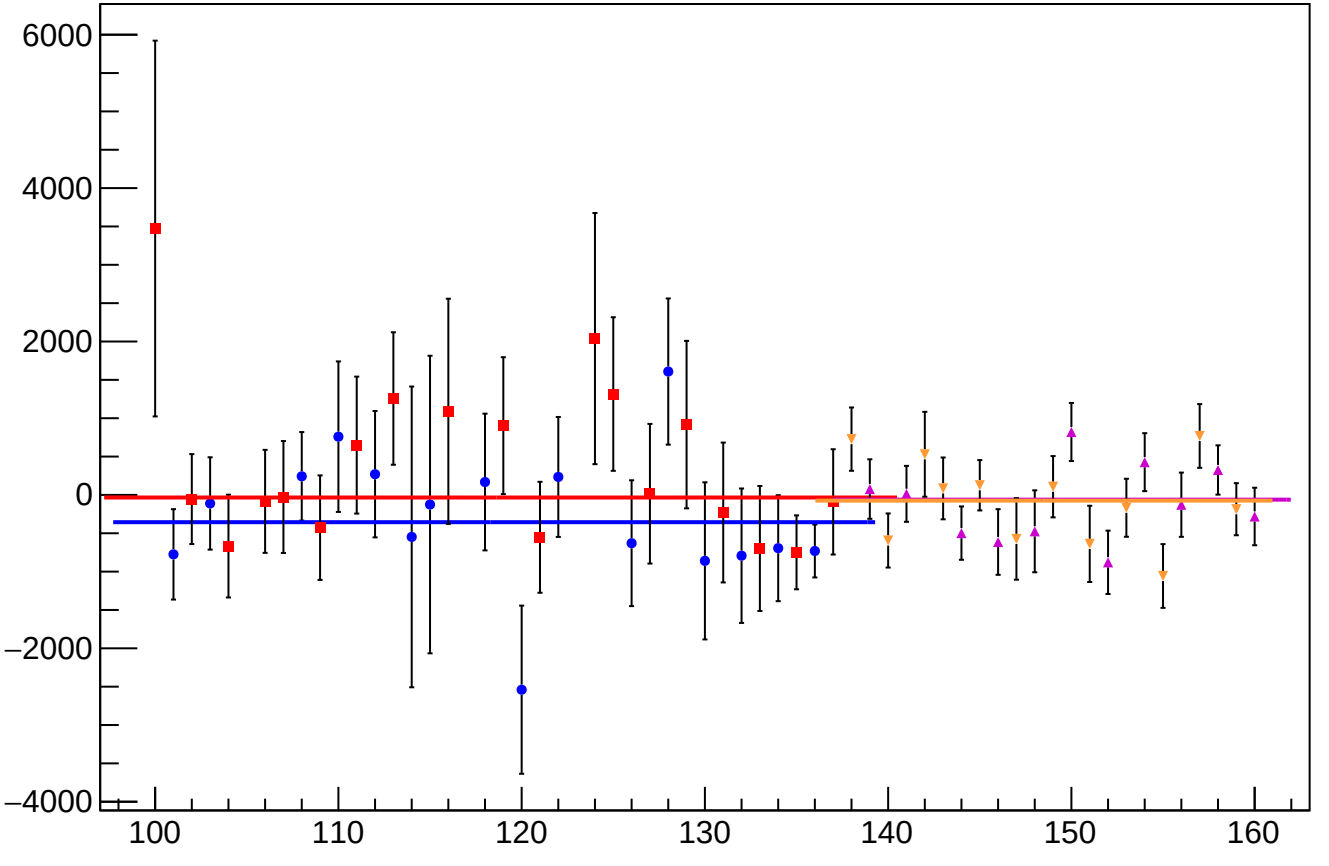
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.602+/-0.011 χ^2/NDF:660395.0/26

Out: 63.282+/-0.011 χ^2/NDF:630453.3/30

All: 63.440+/-0.008 χ^2/NDF: 1291265.7/57

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: -61.656+/-116.458 χ^2/NDF:16.8/10

Left: -68.058+/-82.353 χ^2/NDF: 36.8/22

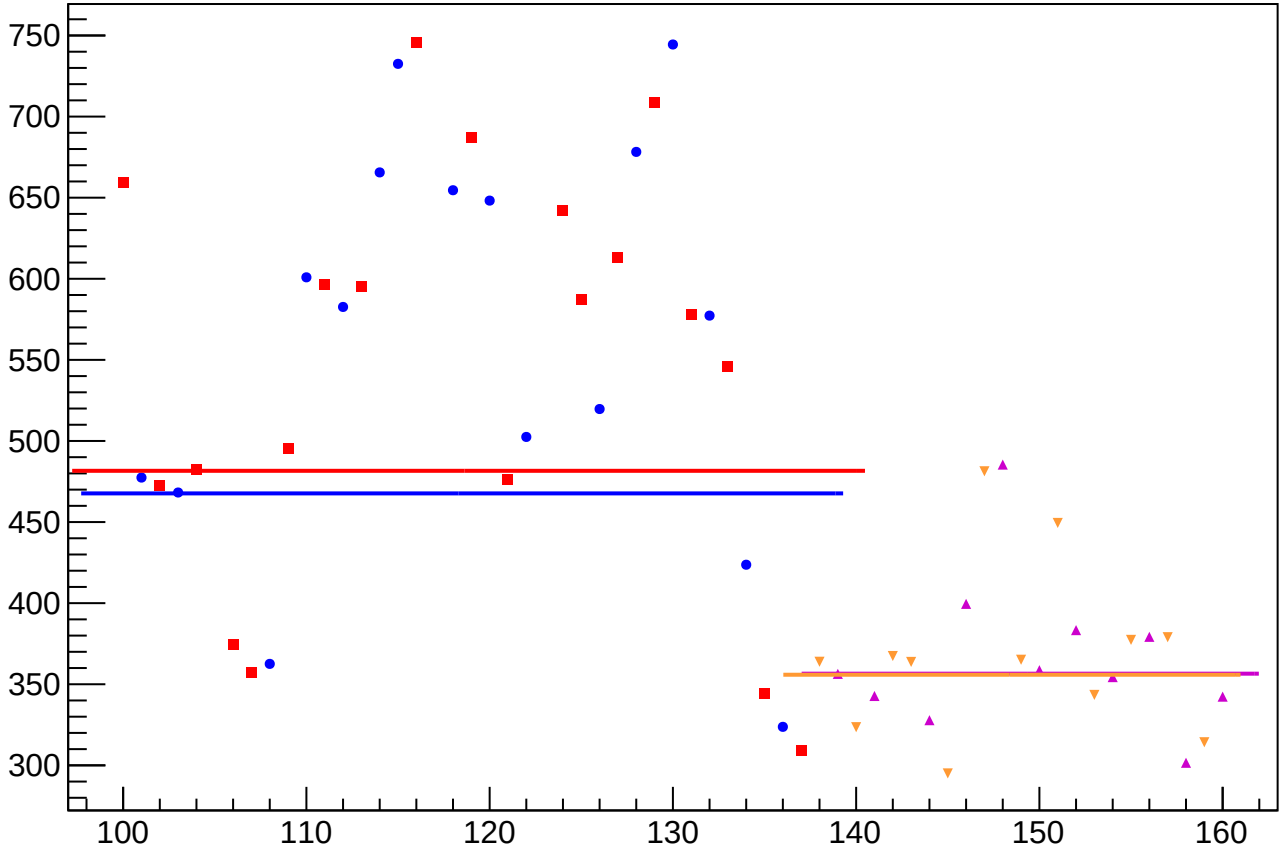
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -148.144+/-97.831 χ^2/NDF:33.5/26

Out: -62.603+/-98.034 χ^2/NDF:35.4/30

All: -105.462+/-69.249 χ^2/NDF: 69.2/57

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: 356.522+/-0.082 χ^2/NDF:229003.0/10

Left: 356.194+/-0.058 χ^2/NDF: 544134.3/22

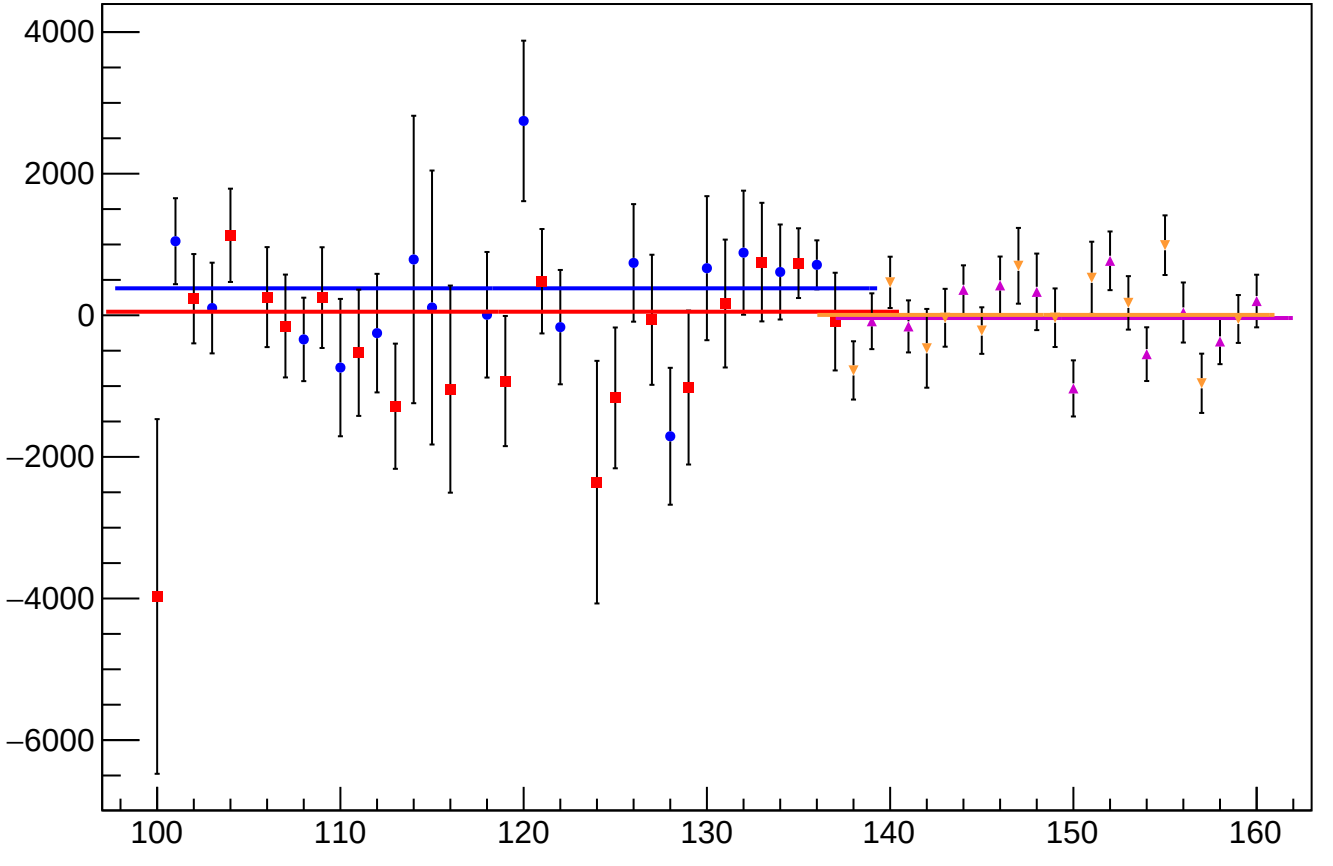
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 389.235+/-0.069 χ^2/NDF:1751141.4/26

Out: 392.524+/-0.069 χ^2/NDF:1848879.8/30

All: 390.876+/-0.049 χ^2/NDF: 3601149.1/57

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: -38.559+/-116.808 χ^2/NDF:16.6/10

Left: -16.748+/-82.882 χ^2/NDF: 36.9/22

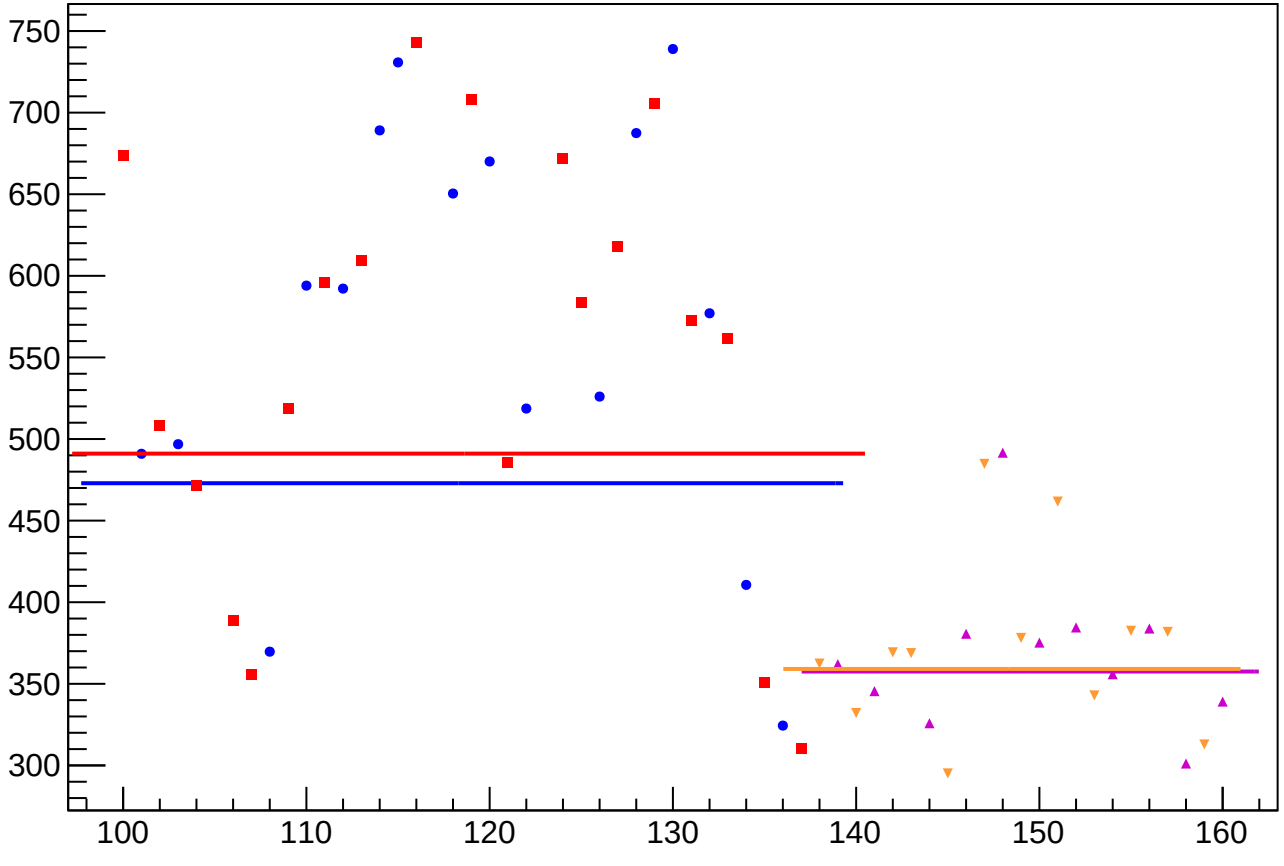
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 83.246+/-98.407 χ^2/NDF:36.5/26

Out: 18.303+/-99.299 χ^2/NDF:37.7/30

All: 51.068+/-69.897 χ^2/NDF: 74.4/57

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: 357.527+/-0.083 χ^2/NDF:235636.7/10

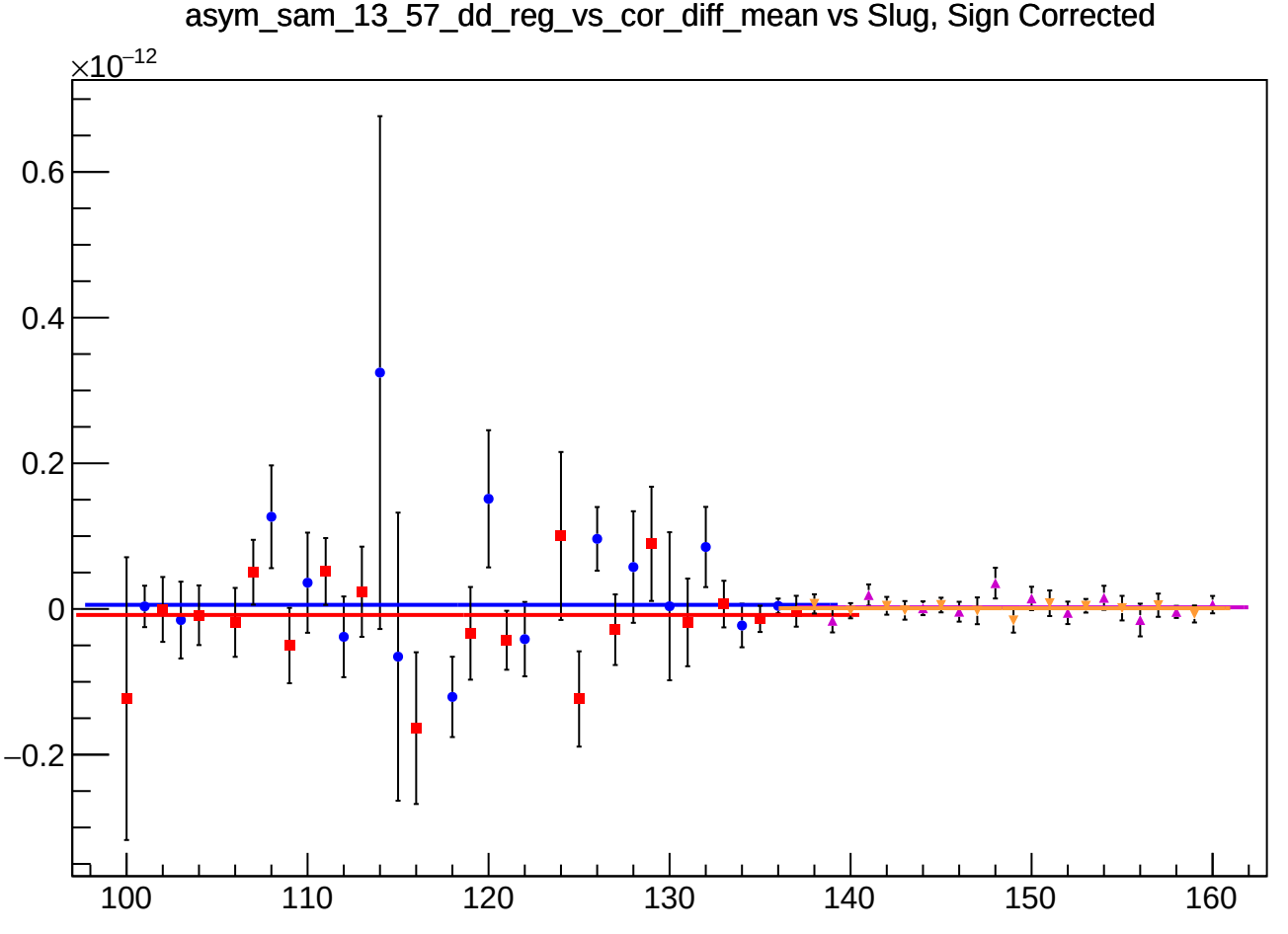
Left: 358.317+/-0.059 χ^2/NDF: 573373.8/22

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 391.022+/-0.070 χ^2/NDF:1802490.7/26

Out: 397.025+/-0.070 χ^2/NDF:1908068.4/30

All: 393.996+/-0.049 χ^2/NDF: 3714247.0/57



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:8.1/10

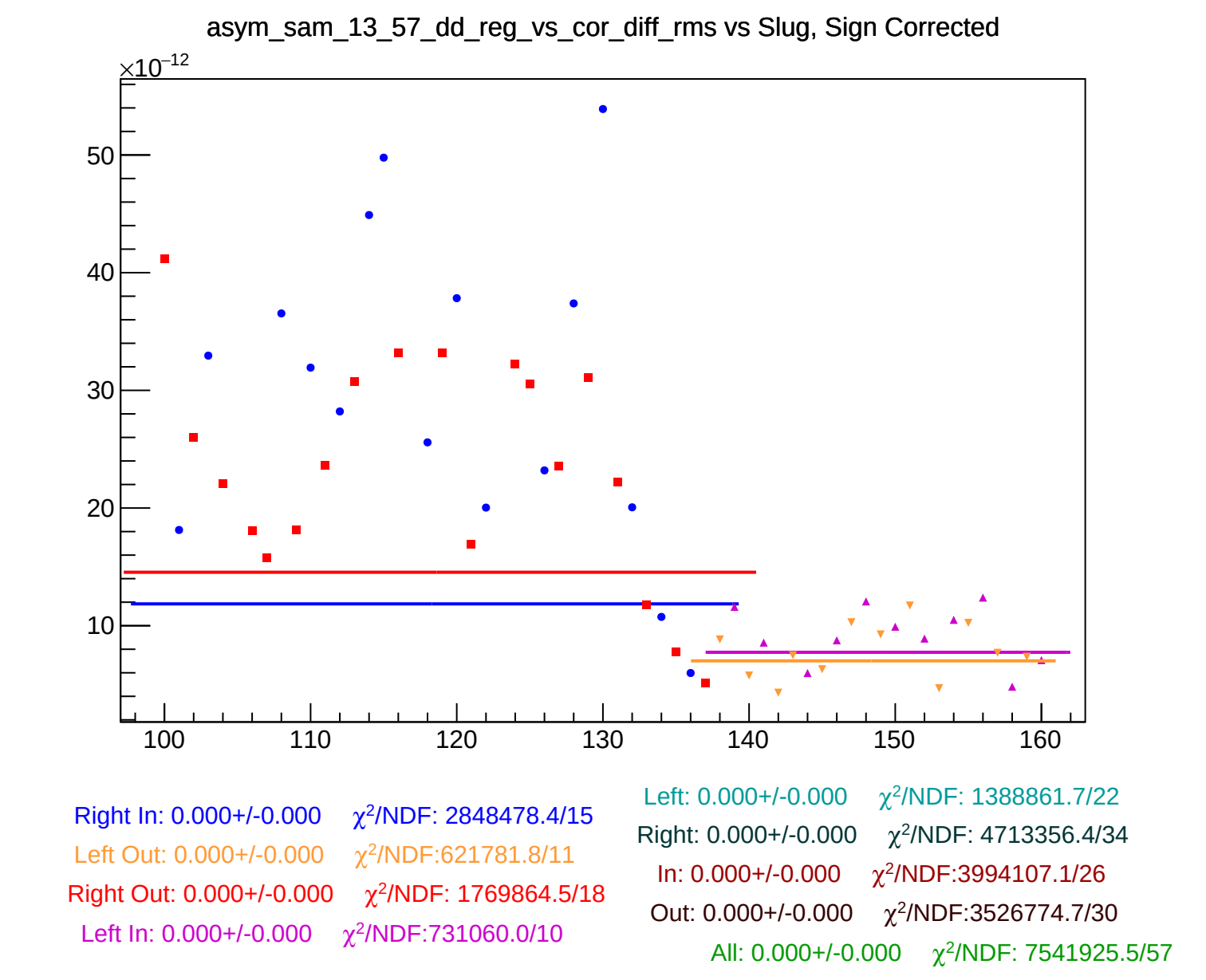
Left: 0.000+/-0.000 χ^2/NDF: 10.6/22

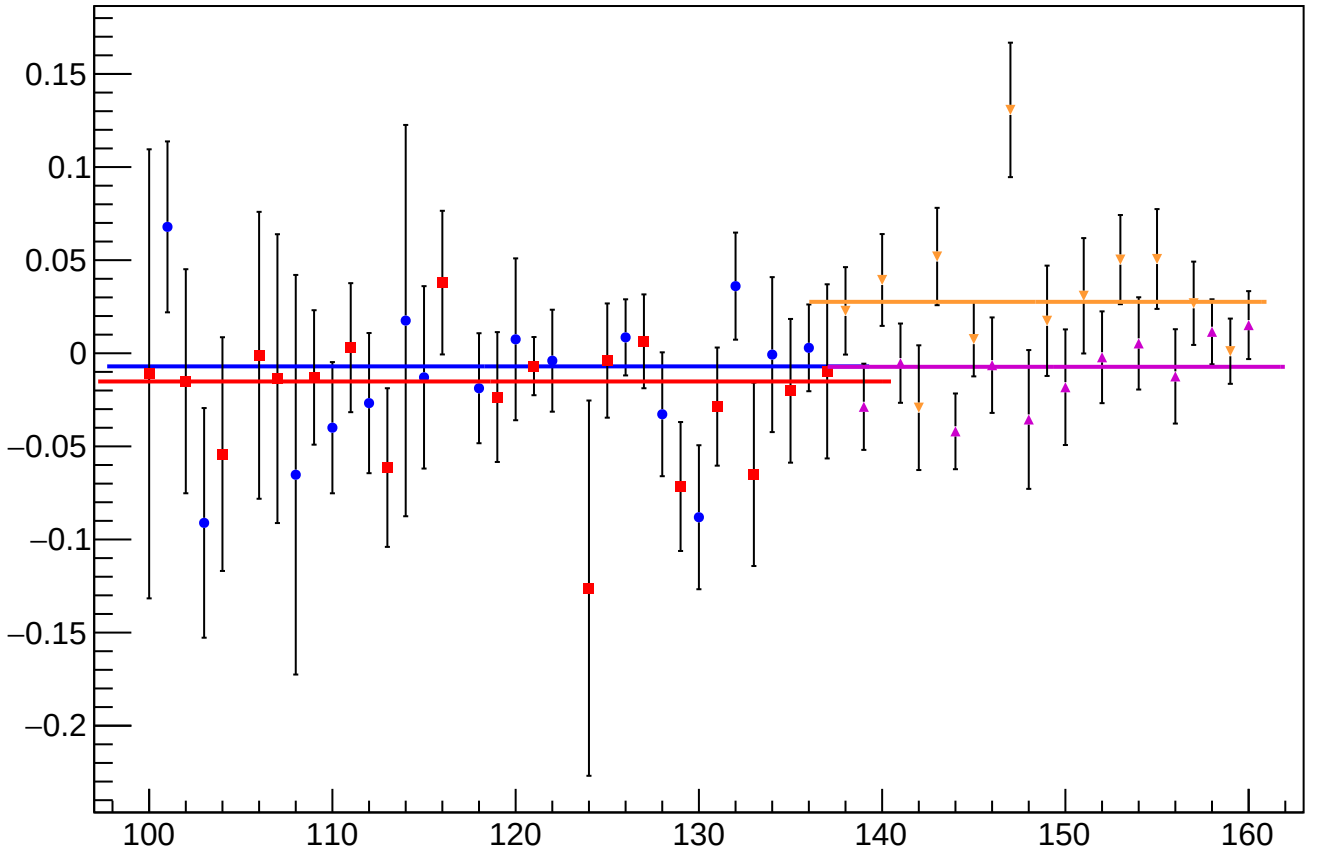
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:29.4/26

Out: -0.000+/-0.000 χ^2/NDF:17.3/30

All: 0.000+/-0.000 χ^2/NDF: 47.1/57


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:731060.0/10
Left: 0.000+/-0.000 χ²/NDF: 1388861.7/22
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:3994107.1/26
Out: 0.000+/-0.000 χ²/NDF:3526774.7/30
All: 0.000+/-0.000 χ²/NDF: 7541925.5/57



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: -0.007+/-0.007 χ^2/NDF:7.5/10

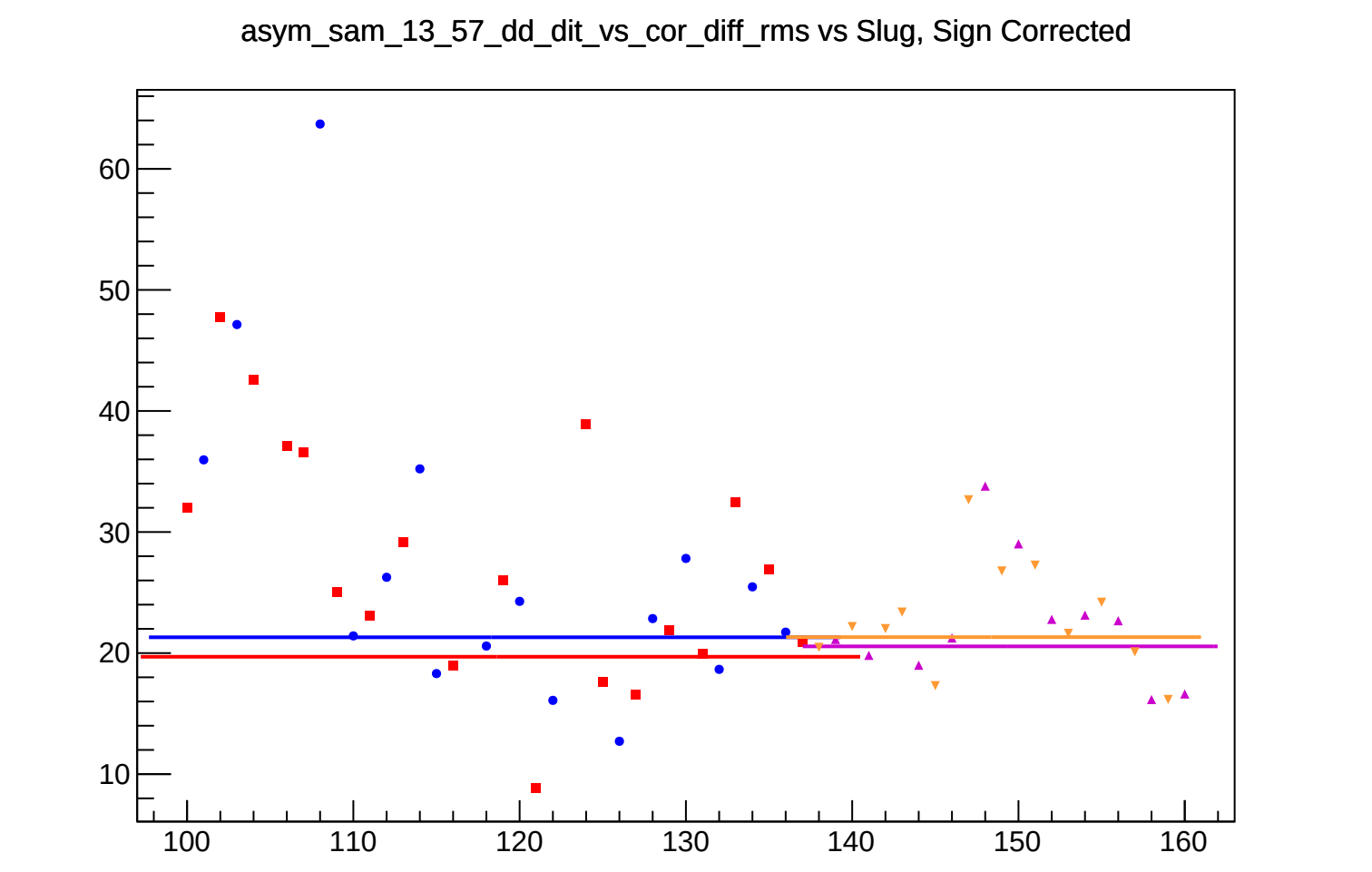
Left: 0.010+/-0.005 χ^2/NDF: 37.0/22

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.001+/-0.004 χ^2/NDF: 69.2/57



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: 20.554+/-0.005 χ^2/NDF:689540.0/10

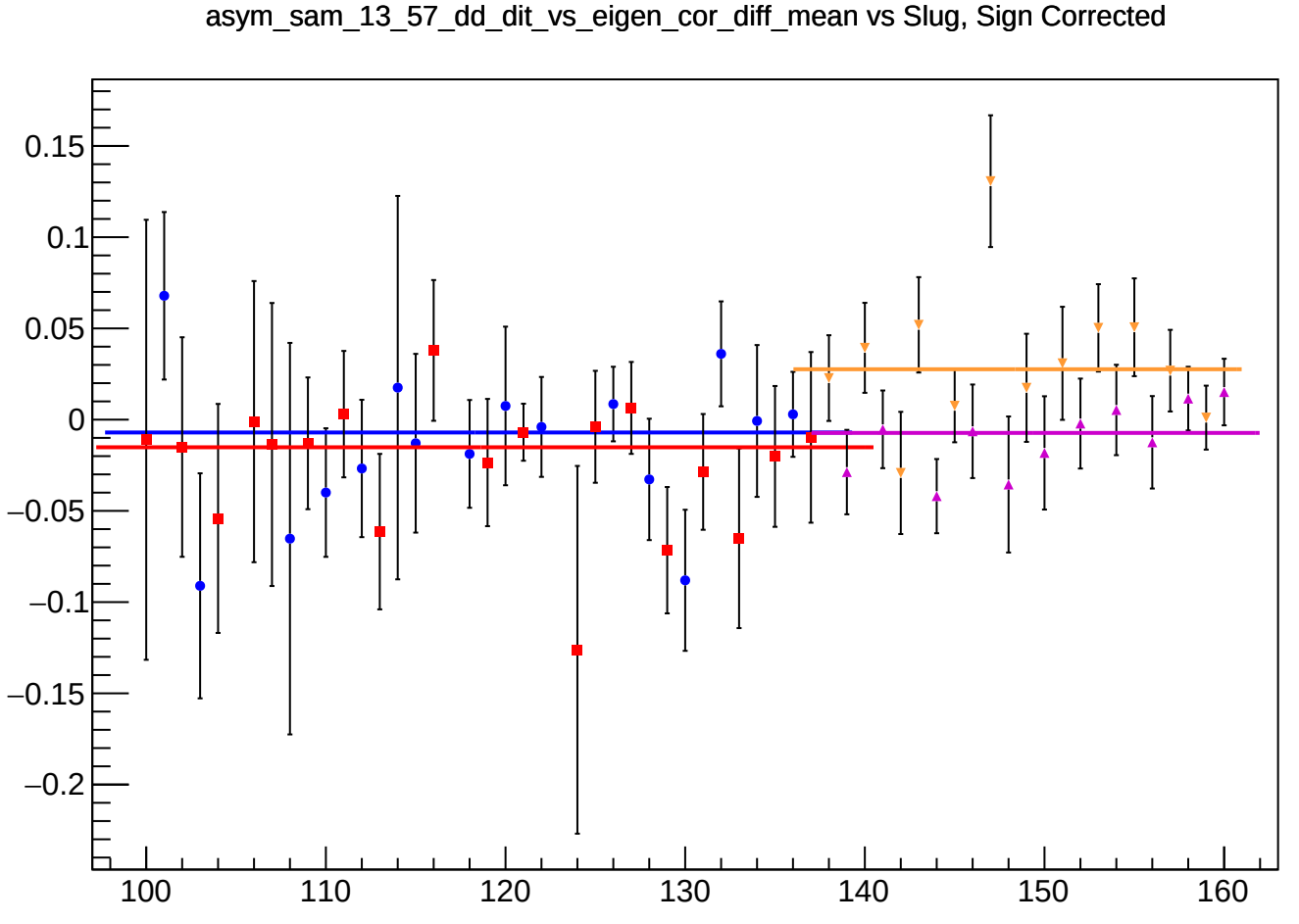
Left: 20.925+/-0.004 χ^2/NDF: 1341480.2/22

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.848+/-0.004 χ^2/NDF:2178167.8/26

Out: 20.622+/-0.004 χ^2/NDF:3123464.2/30

All: 20.735+/-0.003 χ^2/NDF: 5303387.6/57



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: -0.007+/-0.007 χ^2/NDF:7.5/10

Left: 0.010+/-0.005 χ^2/NDF: 37.0/22

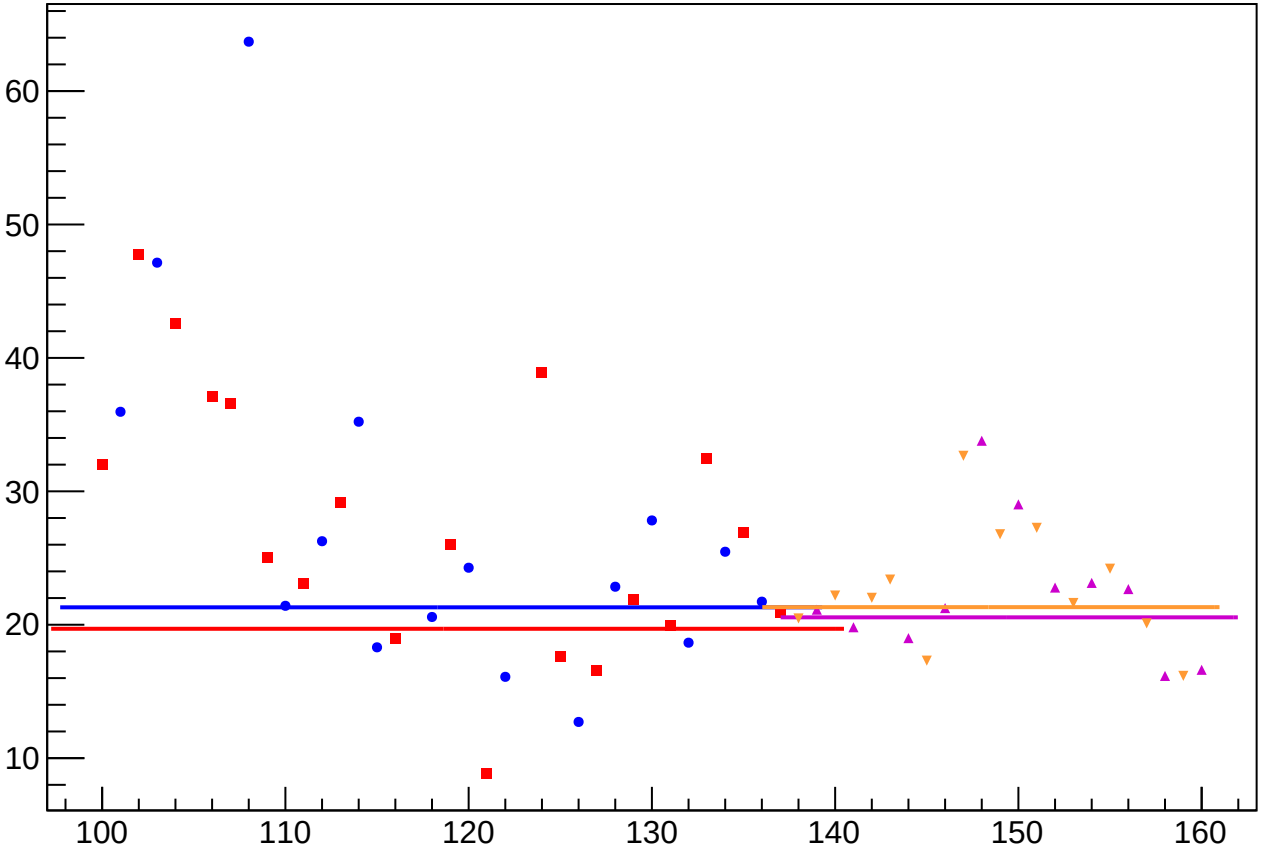
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.001+/-0.004 χ^2/NDF: 69.2/57

asym_sam_13_57_dd_dit_vs_eigen_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: 20.554+/-0.005 χ^2/NDF:689540.0/10

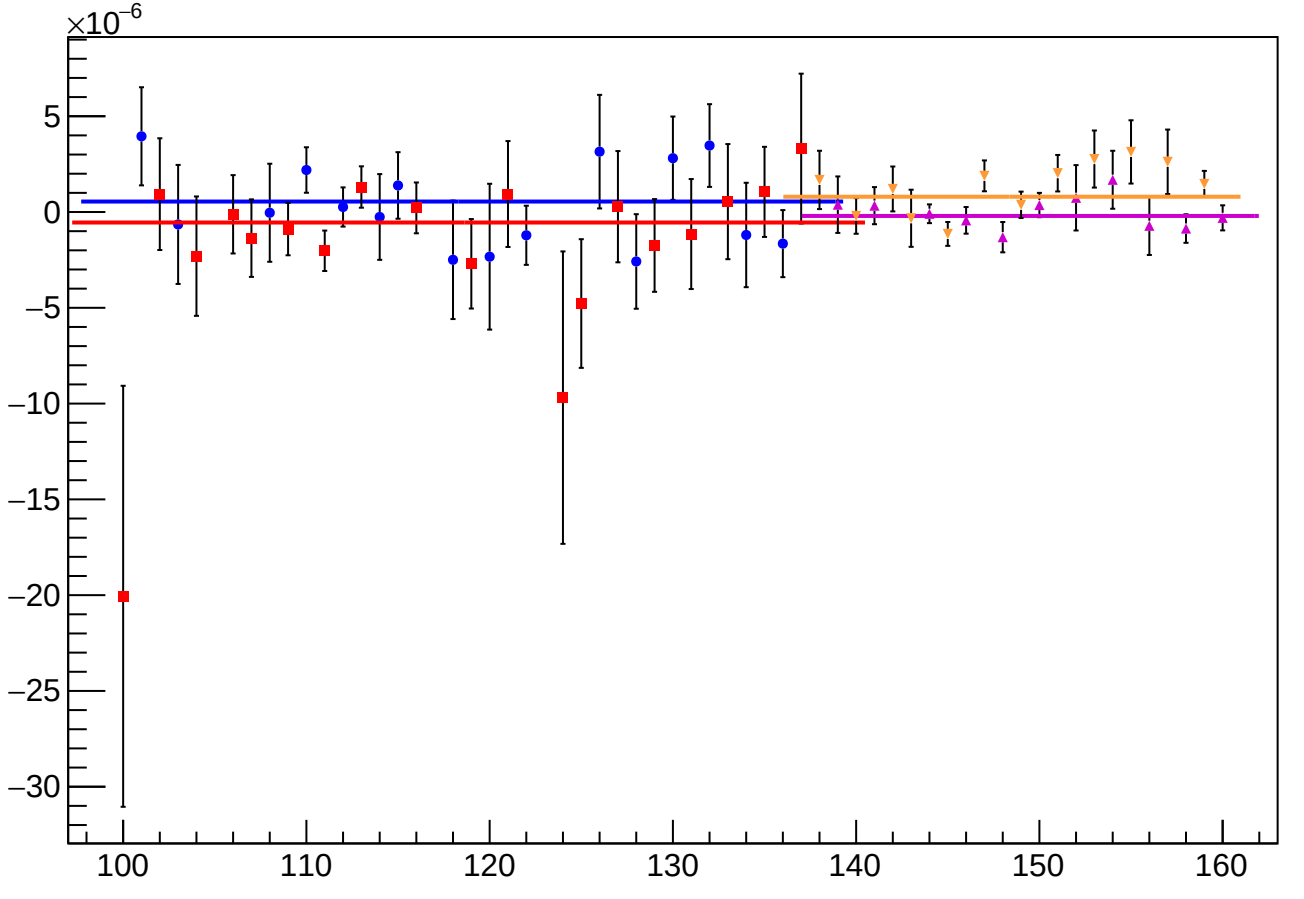
Left: 20.925+/-0.004 χ^2/NDF: 1341480.2/22

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.848+/-0.004 χ^2/NDF:2178167.8/26

Out: 20.622+/-0.004 χ^2/NDF:3123464.2/30

All: 20.735+/-0.003 χ^2/NDF: 5303387.6/57



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:6.2/10

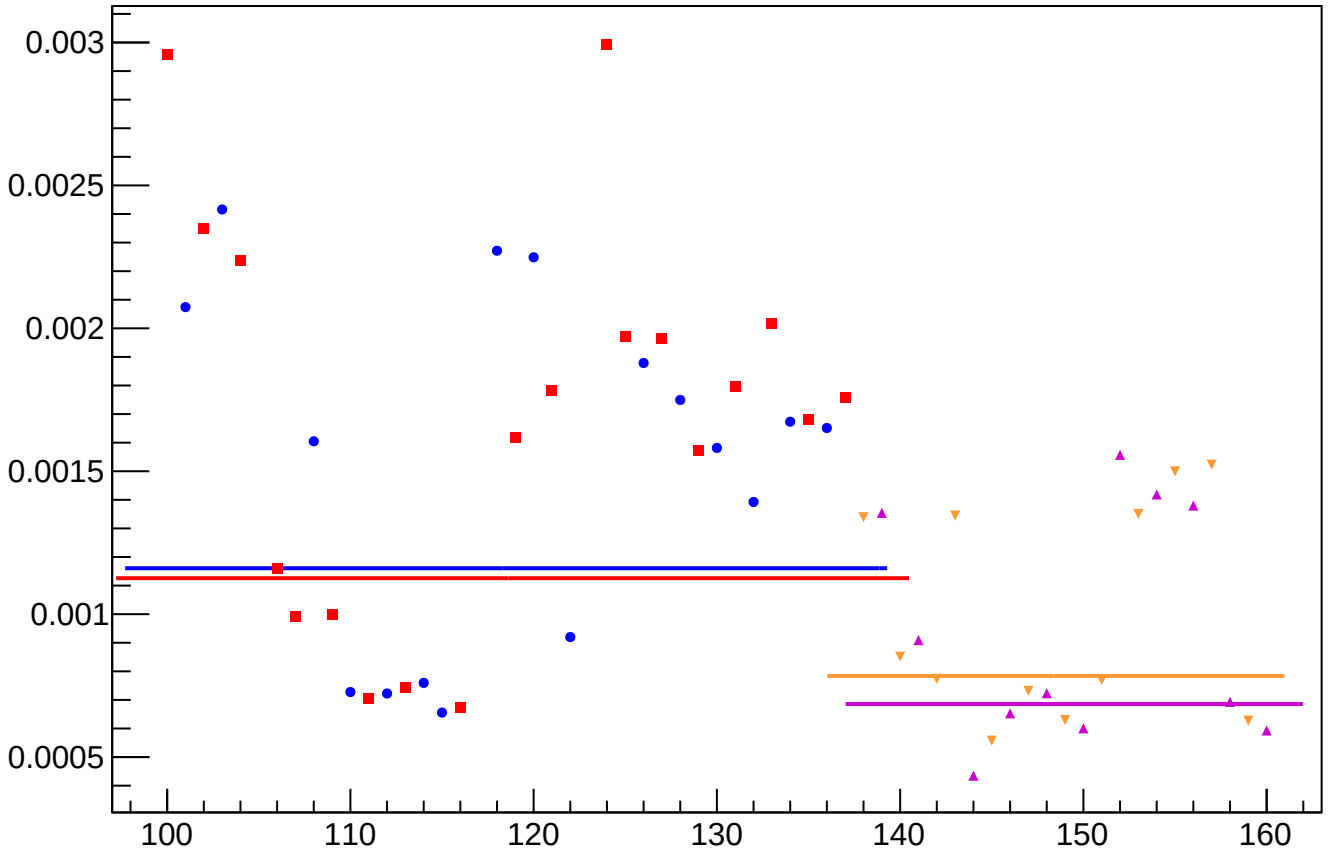
Left: 0.000+/-0.000 χ^2/NDF: 35.4/22

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:22.6/26

Out: 0.000+/-0.000 χ^2/NDF:43.3/30

All: 0.000+/-0.000 χ^2/NDF: 68.4/57



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:2534730.6/10

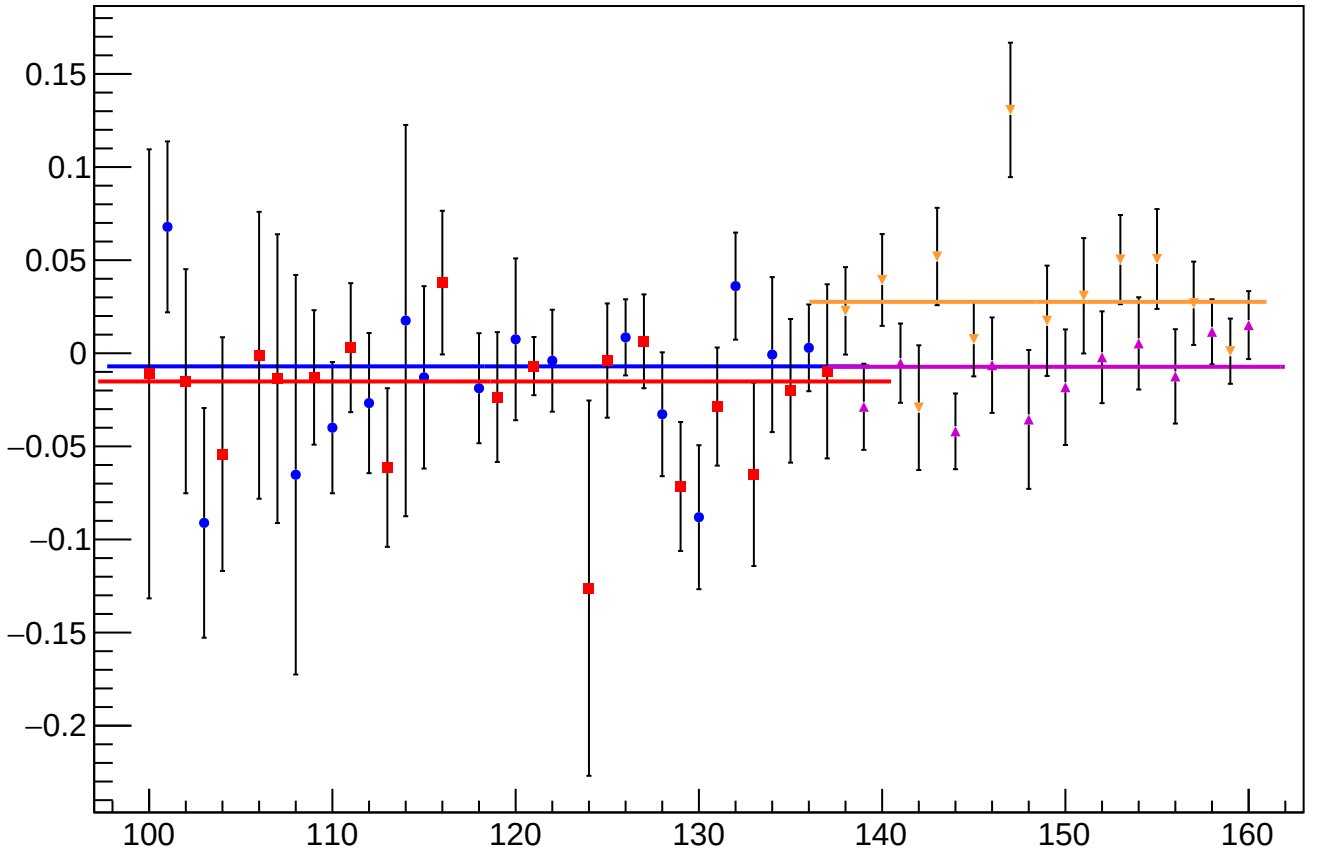
Left: 0.001+/-0.000 χ^2/NDF: 4771504.9/22

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:6640518.0/26

Out: 0.001+/-0.000 χ^2/NDF:5535777.7/30

All: 0.001+/-0.000 χ^2/NDF: 12342105.1/57



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: -0.007+/-0.007 χ^2/NDF:7.5/10

Left: 0.010+/-0.005 χ^2/NDF: 37.0/22

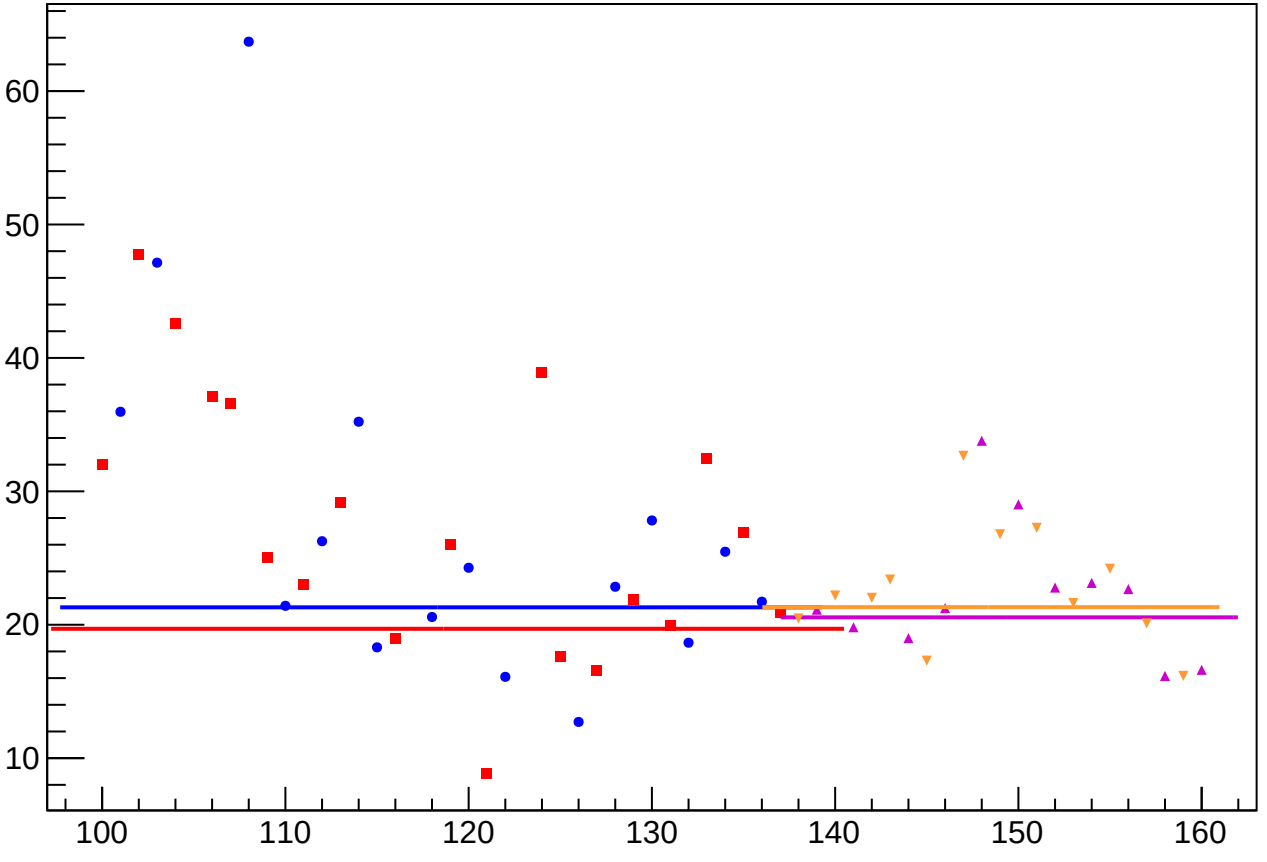
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.001+/-0.004 χ^2/NDF: 69.2/57

asym_sam_13_57_dd_eigen_dit_vs_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: 20.554+/-0.005 χ^2/NDF:689636.6/10

Left: 20.925+/-0.004 χ^2/NDF: 1341660.3/22

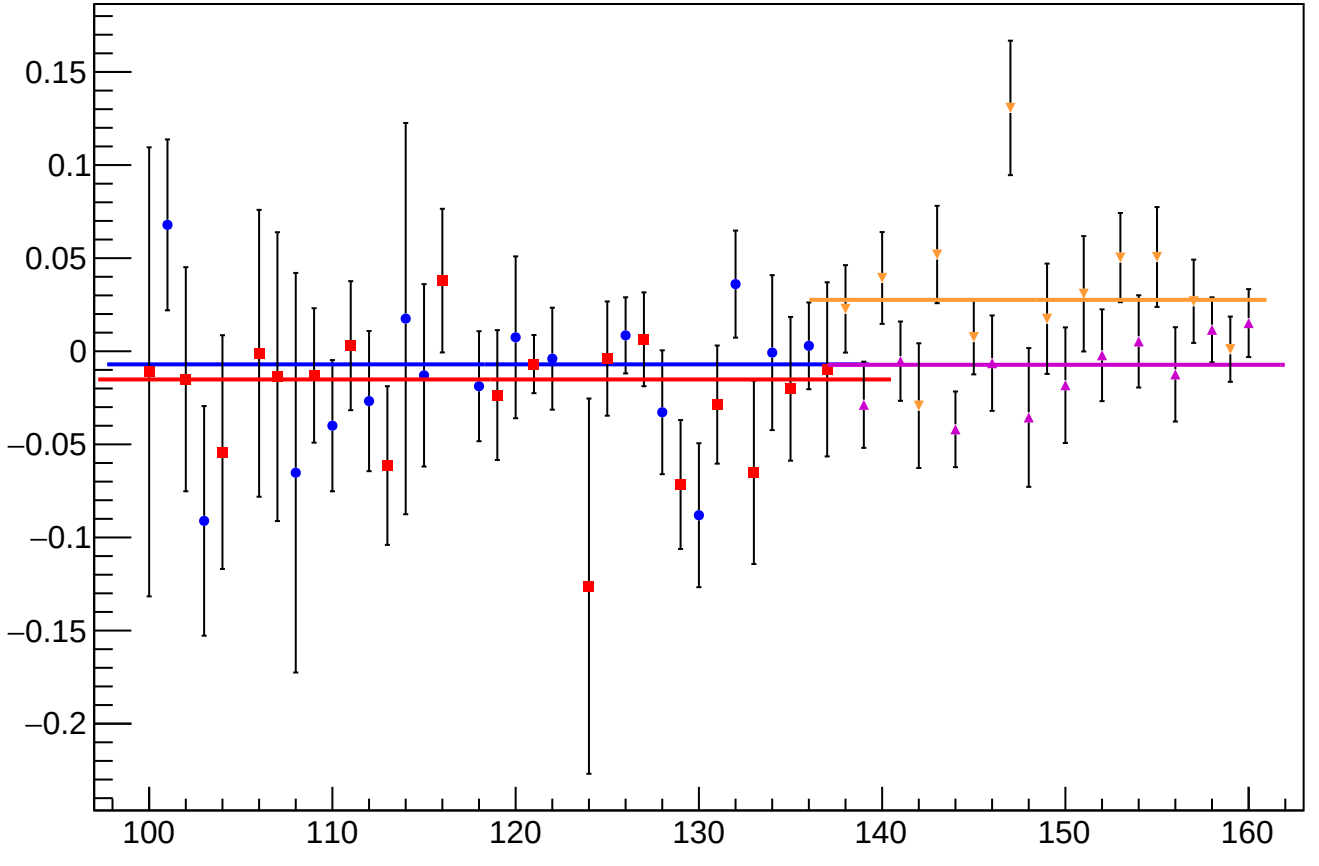
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.849+/-0.004 χ^2/NDF:2178103.1/26

Out: 20.623+/-0.004 χ^2/NDF:3123149.4/30

All: 20.735+/-0.003 χ^2/NDF: 5303004.8/57

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: -0.007+/-0.007 χ^2/NDF:7.5/10

Left: 0.010+/-0.005 χ^2/NDF: 37.0/22

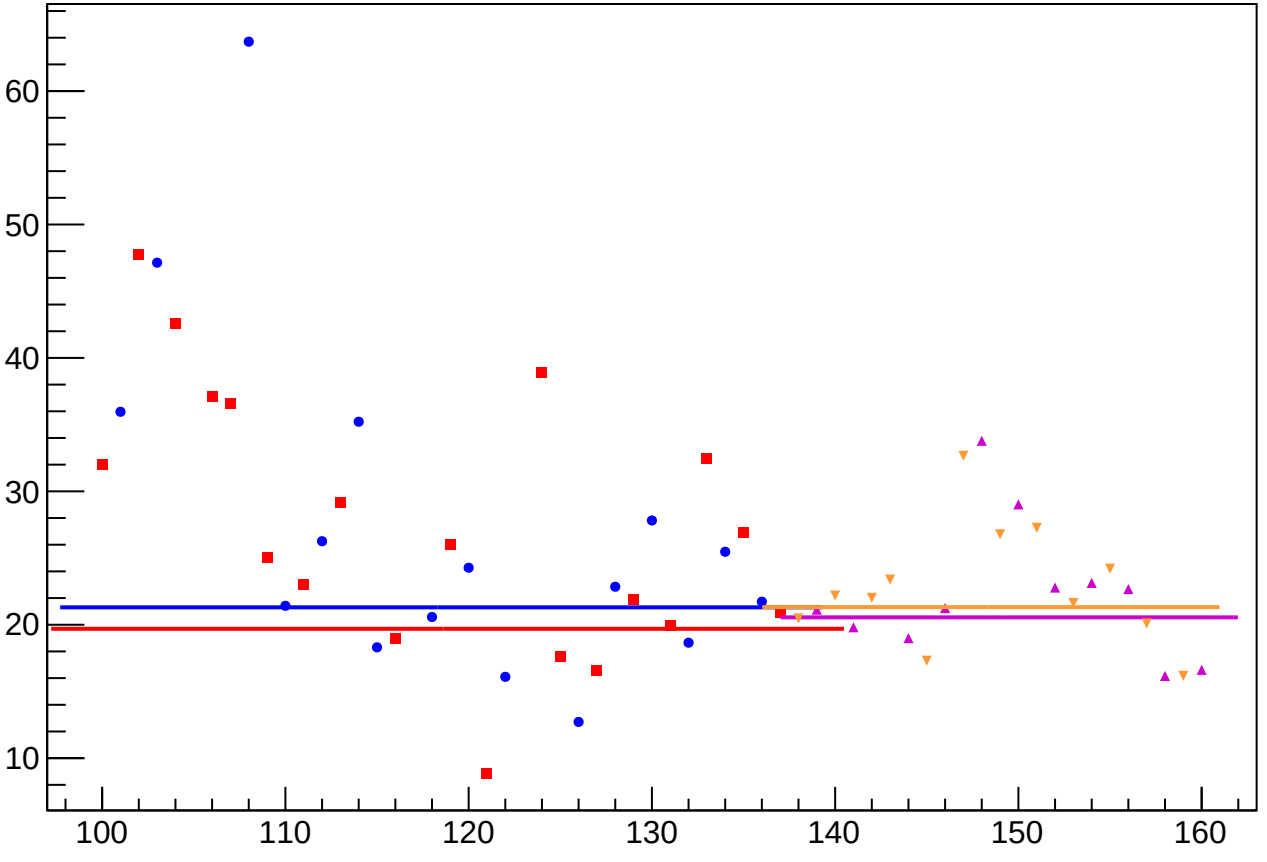
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.009+/-0.005 χ^2/NDF:42.7/30

All: 0.001+/-0.004 χ^2/NDF: 69.2/57

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: 20.554+/-0.005 χ^2/NDF:689636.6/10

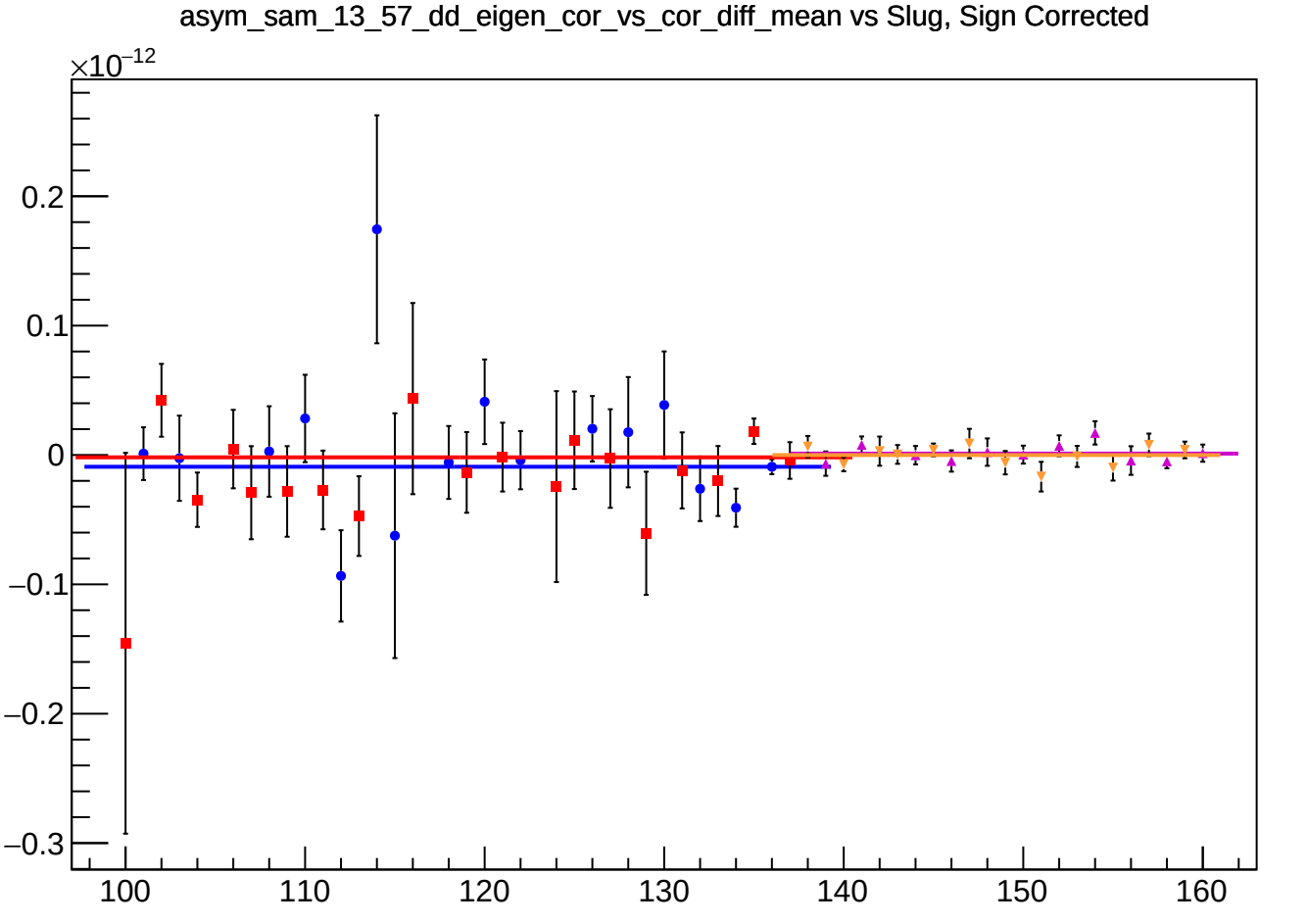
Left: 20.925+/-0.004 χ^2/NDF: 1341660.3/22

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.849+/-0.004 χ^2/NDF:2178103.1/26

Out: 20.623+/-0.004 χ^2/NDF:3123149.4/30

All: 20.735+/-0.003 χ^2/NDF: 5303004.8/57



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:7.5/10

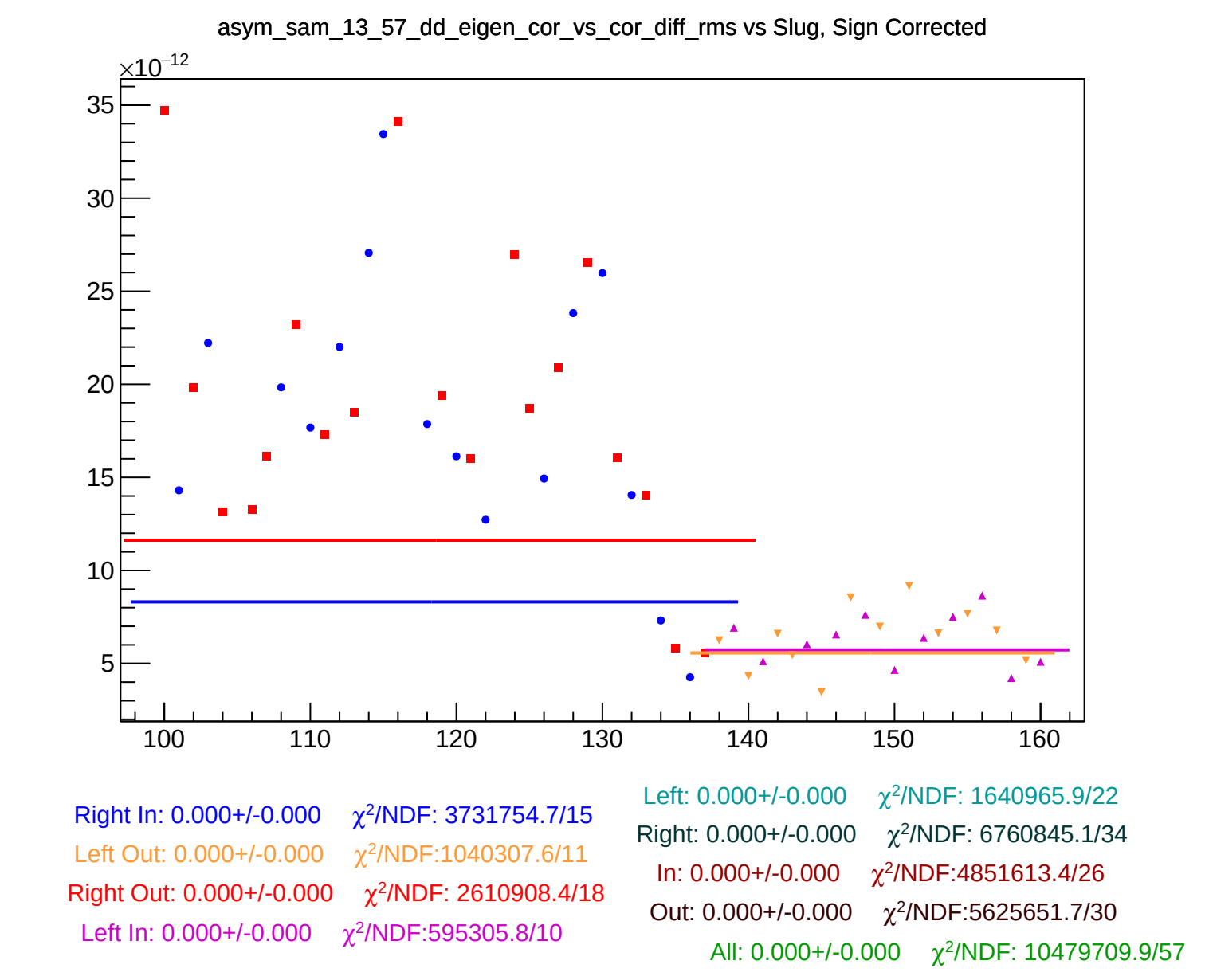
Left: 0.000+/-0.000 χ^2/NDF: 16.0/22

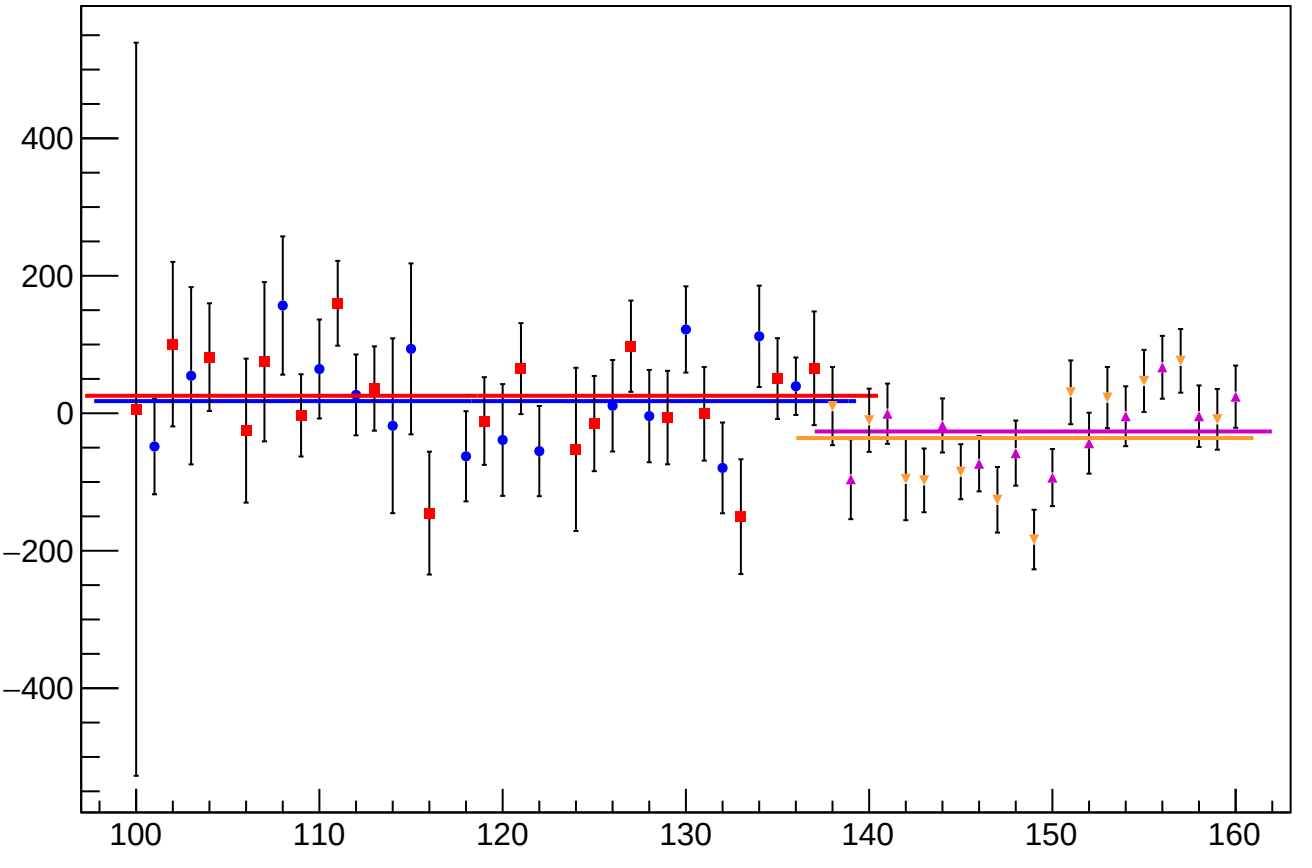
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:34.2/26

Out: -0.000+/-0.000 χ^2/NDF:25.5/30

All: -0.000+/-0.000 χ^2/NDF: 59.7/57


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:595305.8/10
Left: 0.000+/-0.000 χ²/NDF: 1640965.9/22
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4851613.4/26
Out: 0.000+/-0.000 χ²/NDF:5625651.7/30
All: 0.000+/-0.000 χ²/NDF: 10479709.9/57



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: -26.467+/-13.352 χ^2/NDF:12.3/10

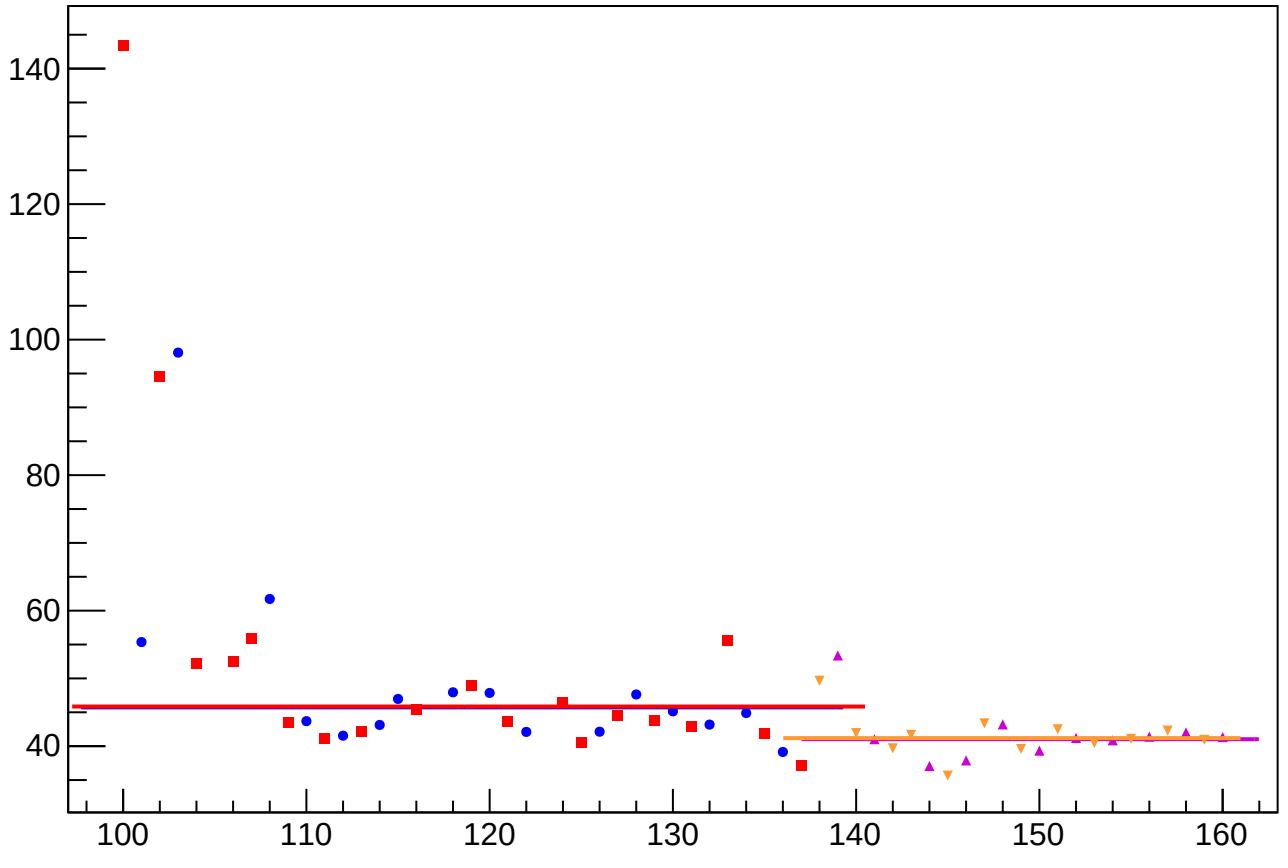
Left: -31.204+/-9.464 χ^2/NDF: 46.4/22

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -10.180+/-10.609 χ^2/NDF:30.3/26

Out: -12.981+/-10.610 χ^2/NDF:59.5/30

All: -11.580+/-7.502 χ^2/NDF: 89.8/57



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: 41.030+/-0.009 χ^2/NDF:131536.6/10

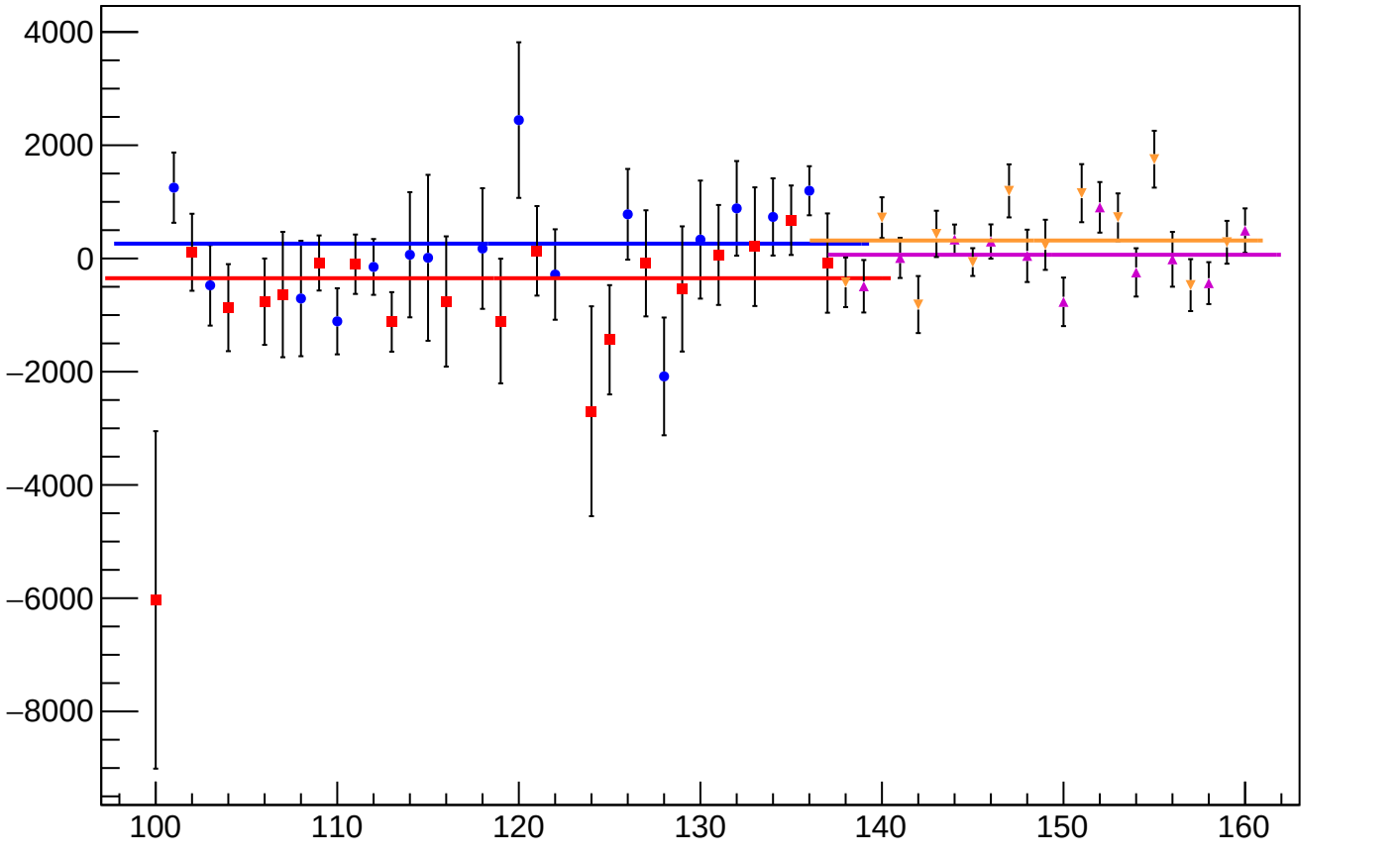
Left: 41.109+/-0.007 χ^2/NDF: 226471.1/22

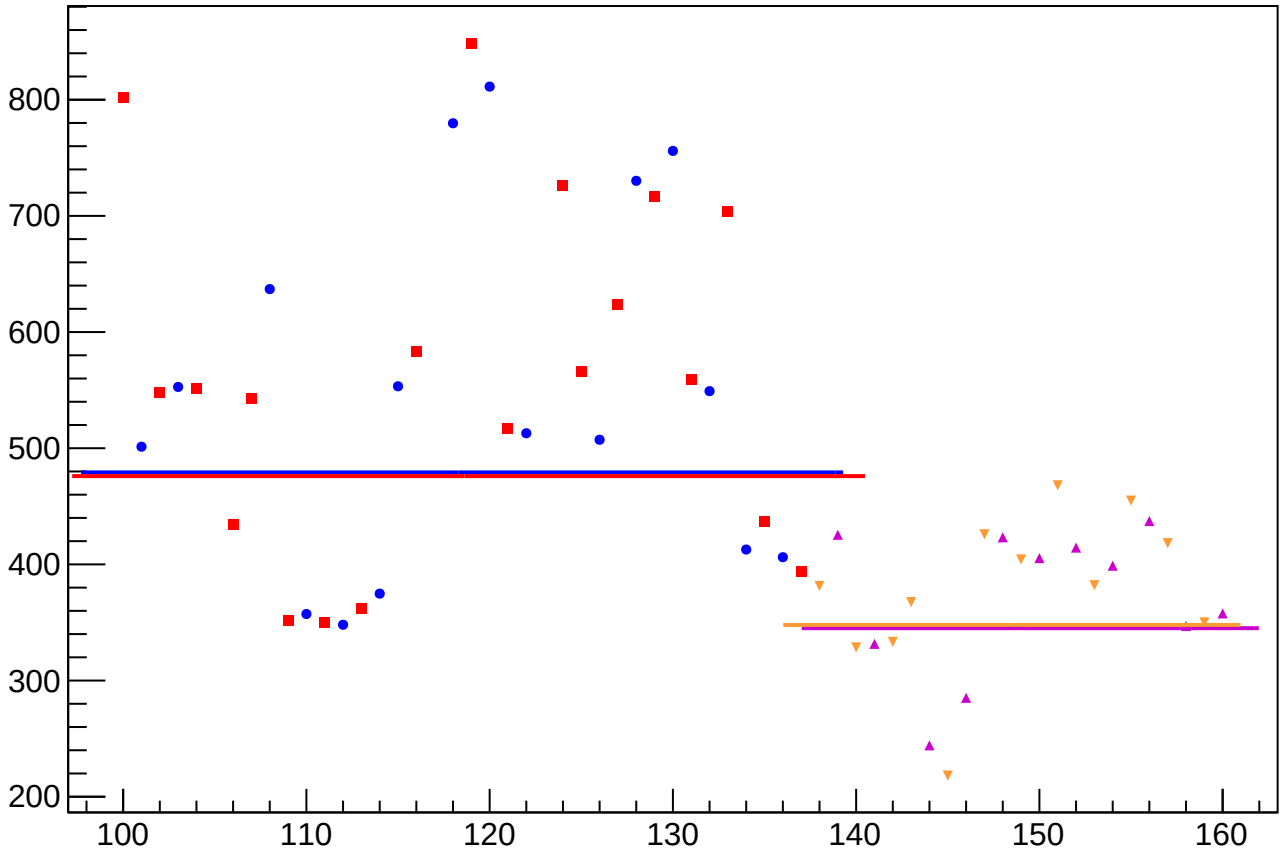
Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.762+/-0.008 χ^2/NDF:724256.3/26

Out: 42.934+/-0.008 χ^2/NDF:725354.8/30

All: 42.848+/-0.005 χ^2/NDF: 1449874.9/57


asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 317.602+/-116.058 χ²/NDF:29.9/11
Right Out: -348.685+/-180.682 χ²/NDF: 14.9/18
Left In: 65.442+/-114.312 χ²/NDF:14.0/10
Left: 189.612+/-81.441 χ²/NDF: 46.2/22
Right: -50.928+/-129.333 χ²/NDF: 45.5/34
In: 119.648+/-97.276 χ²/NDF:39.7/26
Out: 122.993+/-97.648 χ²/NDF:54.4/30
All: 121.314+/-68.916 χ²/NDF: 94.2/57



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: 345.100+/-0.081 χ^2/NDF:683709.9/10

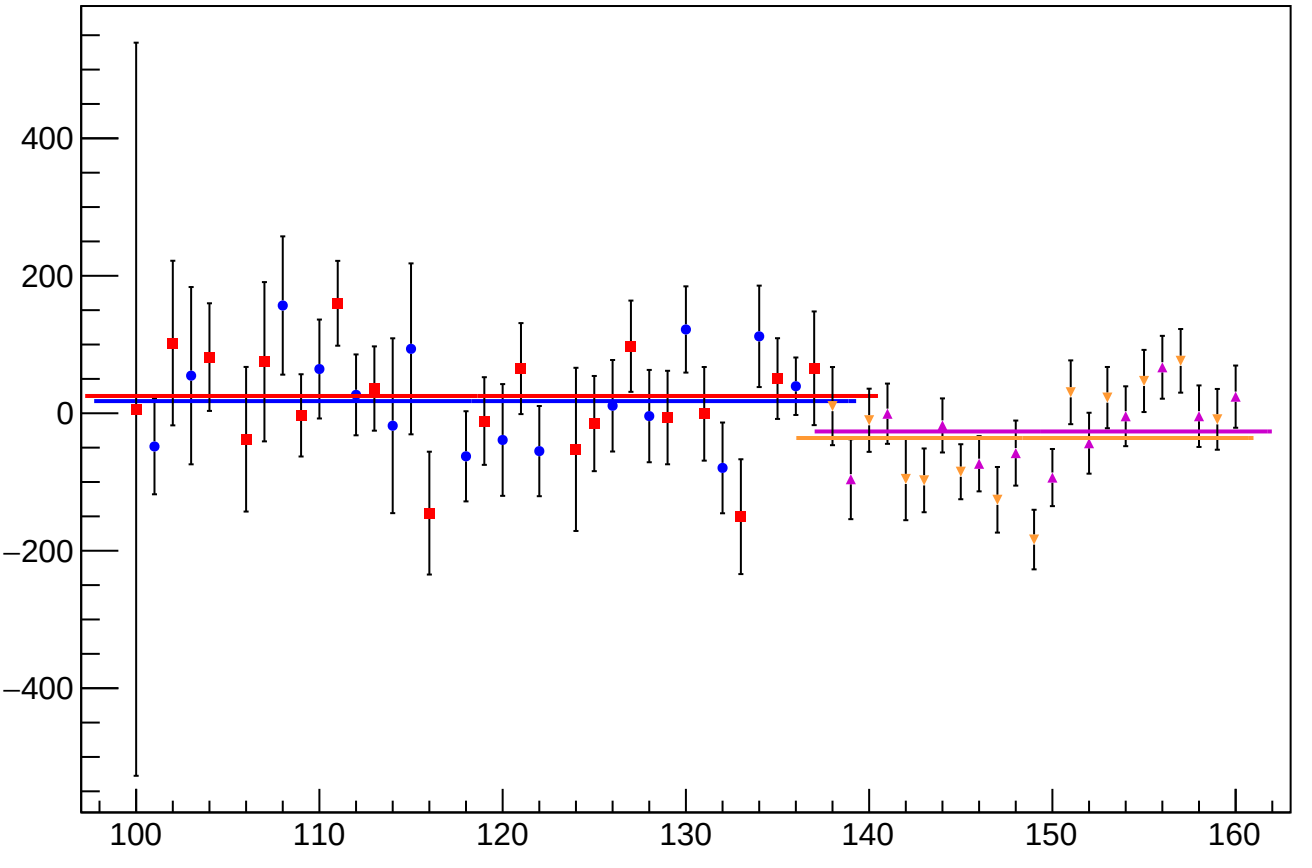
Left: 346.462+/-0.058 χ^2/NDF: 1615309.4/22

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 382.086+/-0.069 χ^2/NDF:2395395.6/26

Out: 385.289+/-0.069 χ^2/NDF:2649465.7/30

All: 383.681+/-0.049 χ^2/NDF: 5045941.9/57



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: -26.468+/-13.352 χ^2/NDF:12.3/10

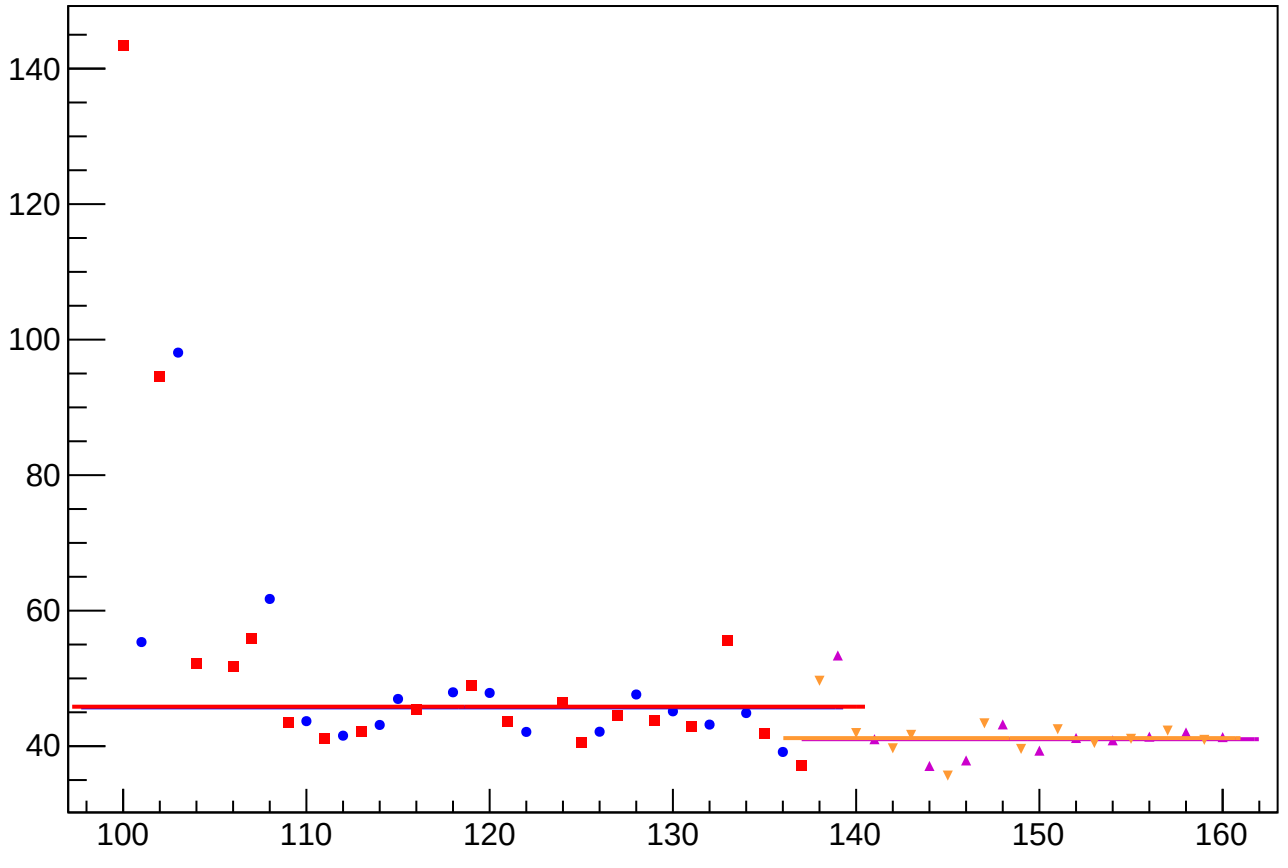
Left: -31.205+/-9.464 χ^2/NDF: 46.4/22

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.179+/-10.609 χ^2/NDF:30.3/26

Out: -13.097+/-10.610 χ^2/NDF:59.6/30

All: -11.637+/-7.502 χ^2/NDF: 89.9/57



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: 41.030+/-0.009 χ^2/NDF:131536.6/10

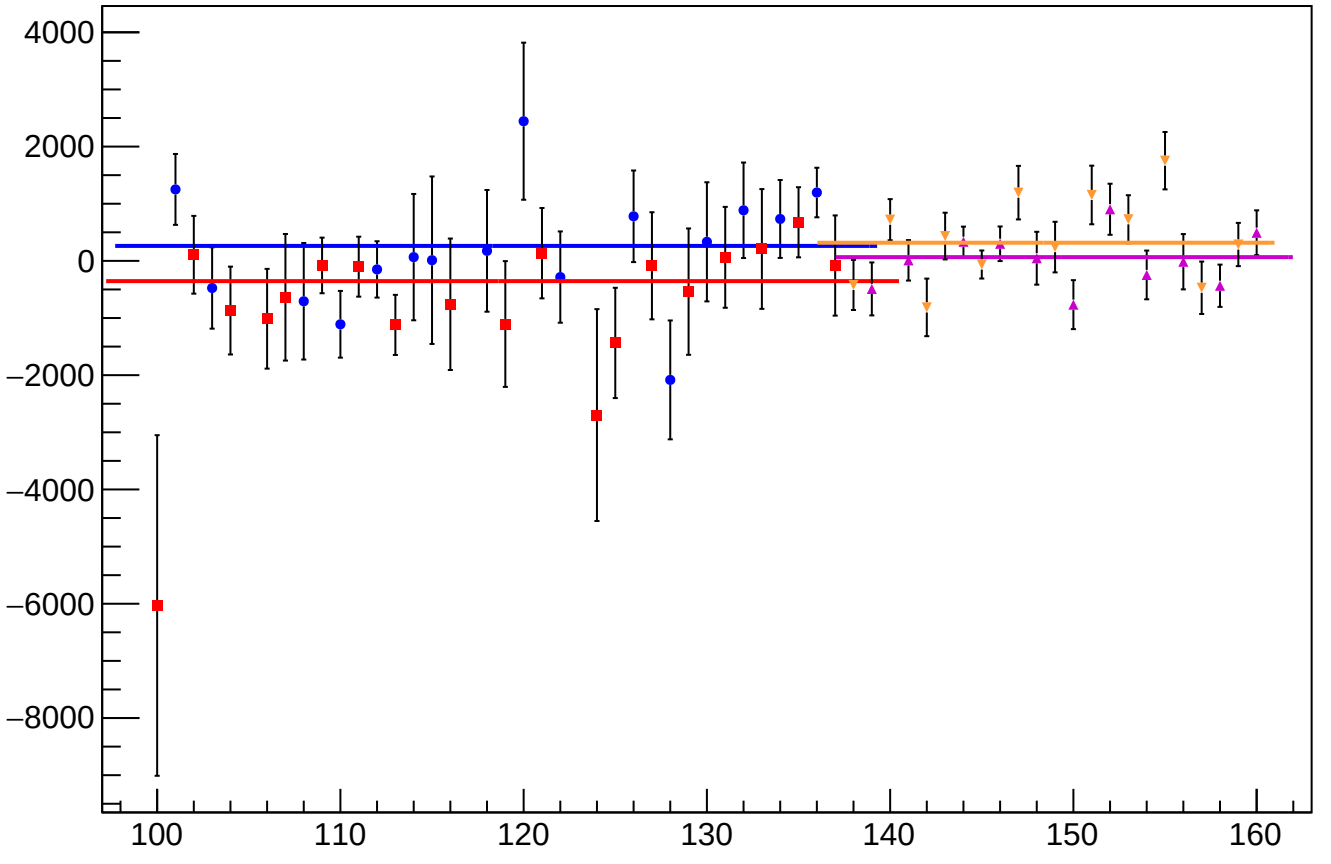
Left: 41.109+/-0.007 χ^2/NDF: 226471.1/22

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.762+/-0.008 χ^2/NDF:724259.2/26

Out: 42.925+/-0.008 χ^2/NDF:722730.6/30

All: 42.843+/-0.005 χ^2/NDF: 1447226.2/57



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: 65.443+/-114.312 χ^2/NDF:14.0/10

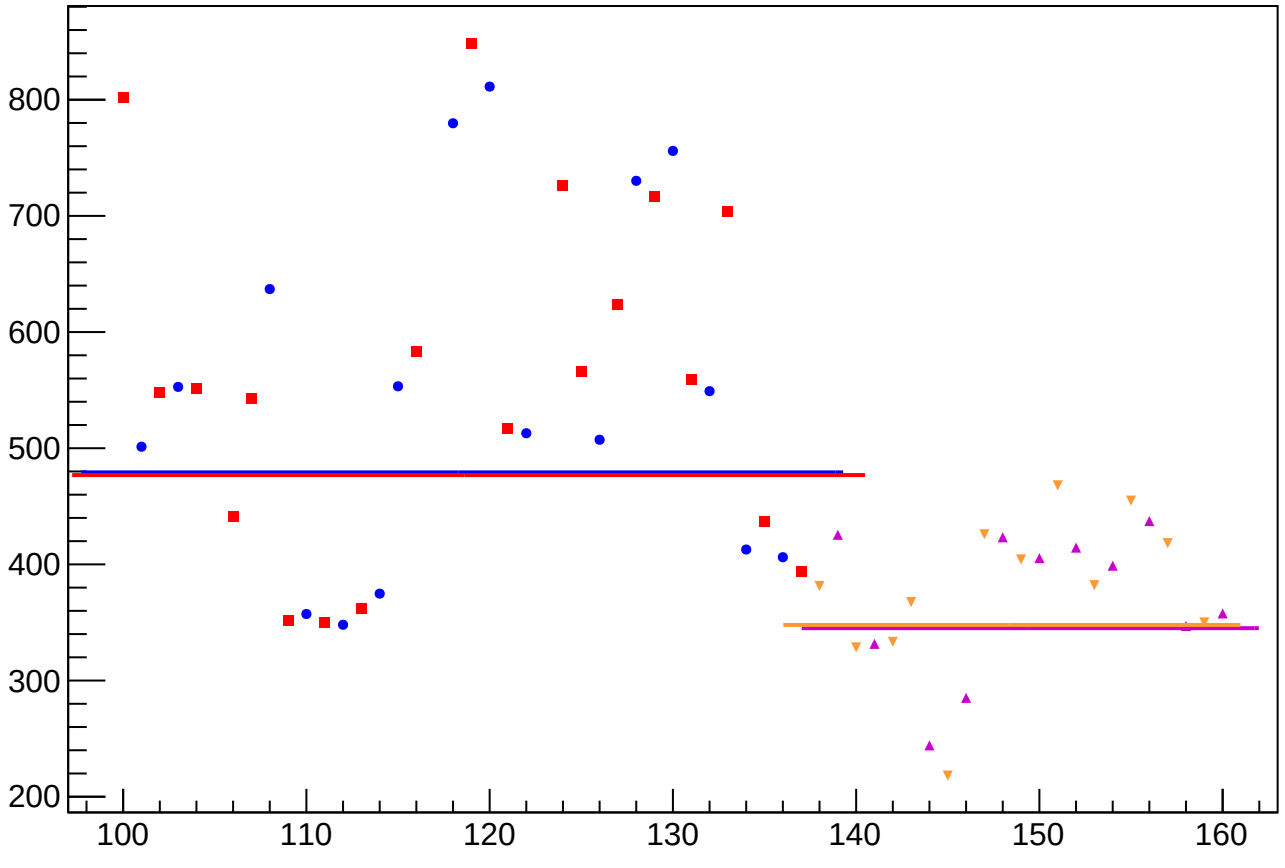
Left: 189.611+/-81.441 χ^2/NDF: 46.2/22

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 119.649+/-97.276 χ^2/NDF:39.7/26

Out: 123.244+/-97.840 χ^2/NDF:54.8/30

All: 121.436+/-68.983 χ^2/NDF: 94.5/57



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: 345.100+/-0.081 χ^2/NDF:683710.1/10

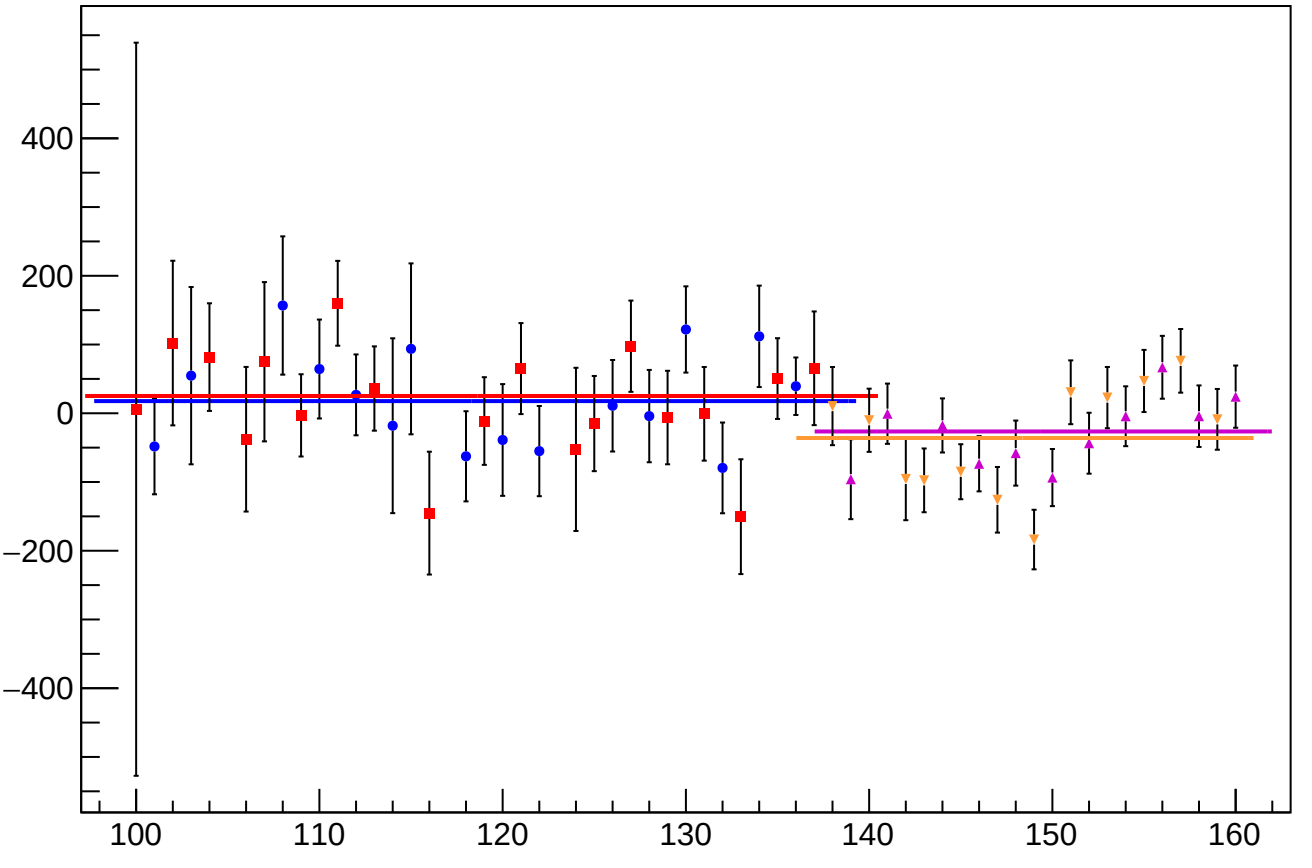
Left: 346.462+/-0.058 χ^2/NDF: 1615310.7/22

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 382.086+/-0.069 χ^2/NDF:2395442.0/26

Out: 385.194+/-0.069 χ^2/NDF:2649931.6/30

All: 383.631+/-0.049 χ^2/NDF: 5046388.7/57



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: -26.468+/-13.352 χ^2/NDF:12.3/10

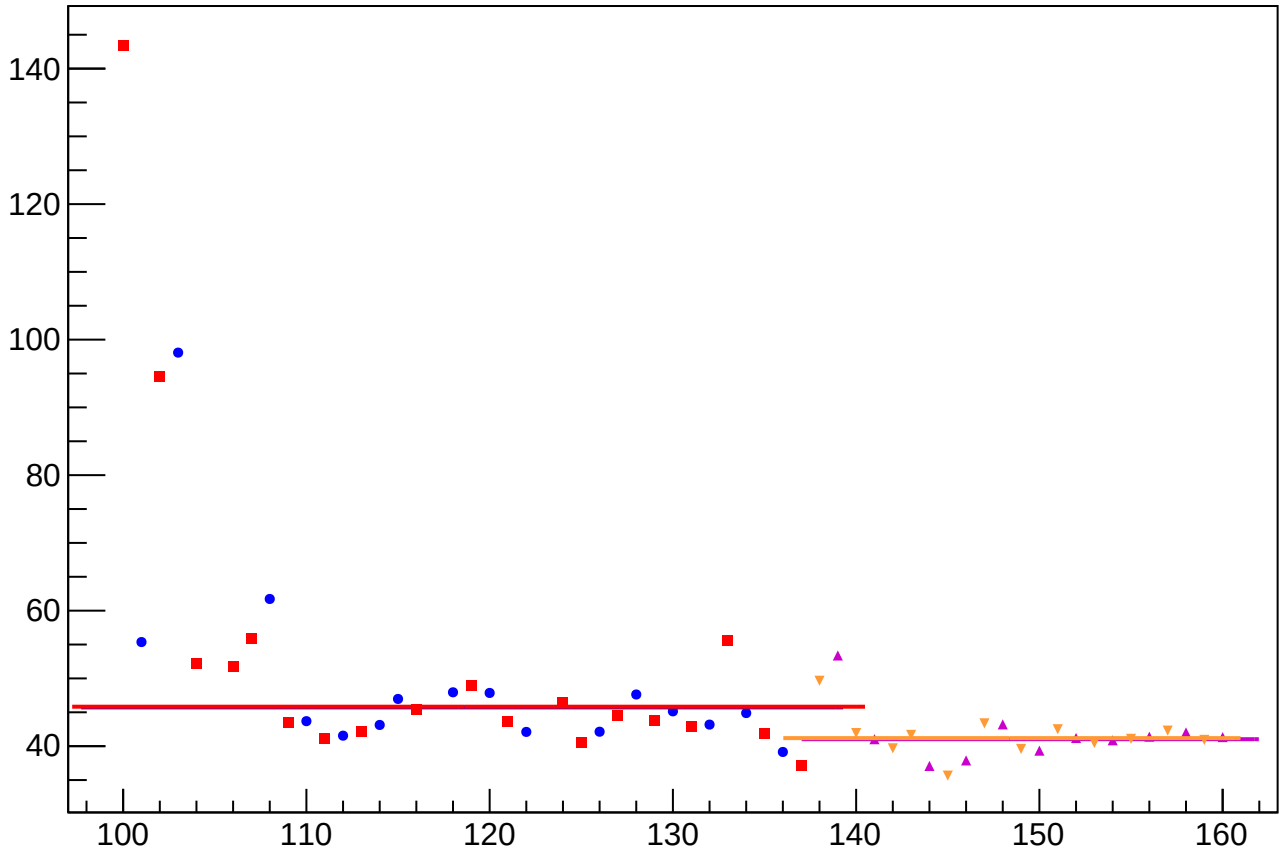
Left: -31.205+/-9.464 χ^2/NDF: 46.4/22

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.179+/-10.609 χ^2/NDF:30.3/26

Out: -13.097+/-10.610 χ^2/NDF:59.6/30

All: -11.637+/-7.502 χ^2/NDF: 89.9/57



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: 41.030+/-0.009 χ^2/NDF:131536.6/10

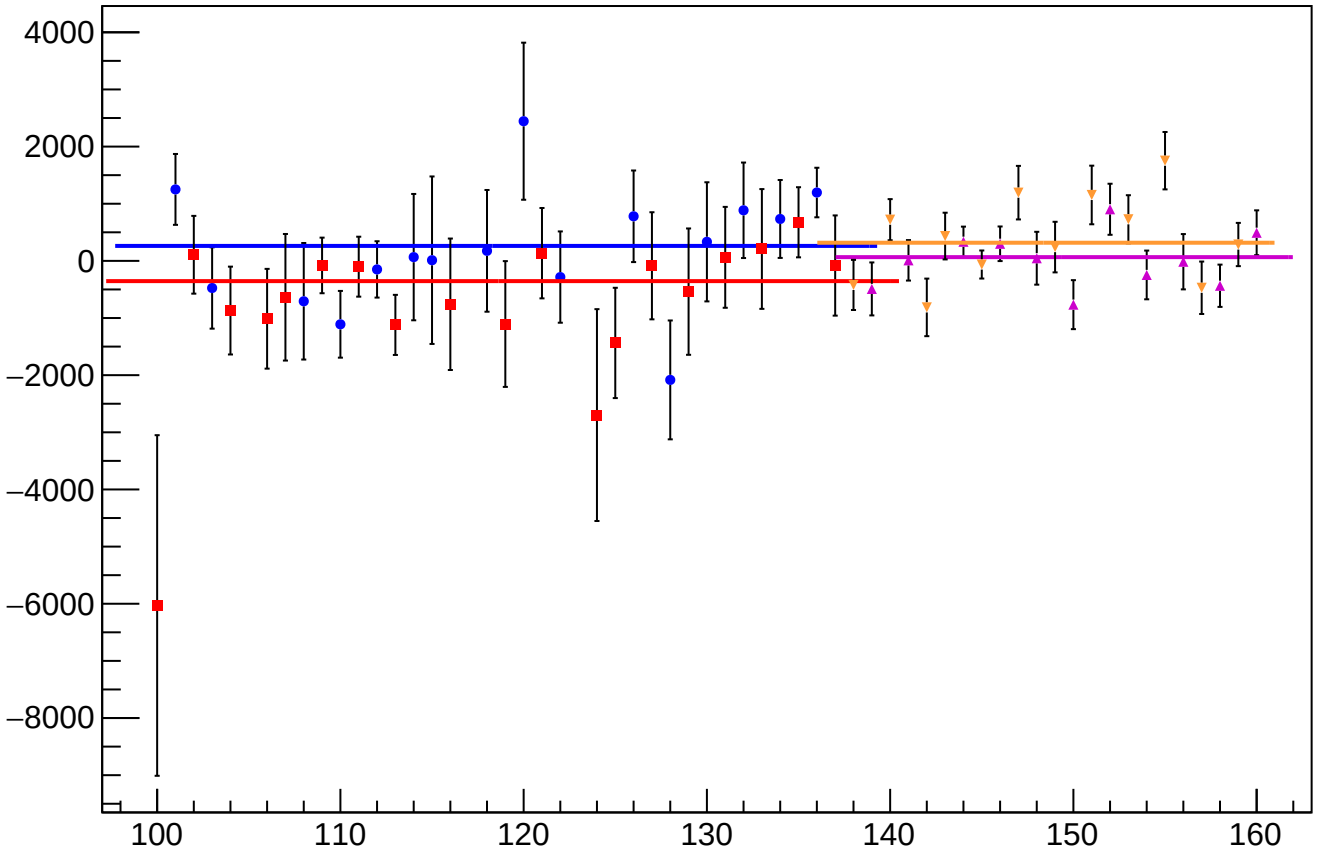
Left: 41.109+/-0.007 χ^2/NDF: 226471.1/22

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.762+/-0.008 χ^2/NDF:724259.2/26

Out: 42.925+/-0.008 χ^2/NDF:722730.6/30

All: 42.843+/-0.005 χ^2/NDF: 1447226.2/57



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: 65.443+/-114.312 χ^2/NDF:14.0/10

Left: 189.611+/-81.441 χ^2/NDF: 46.2/22

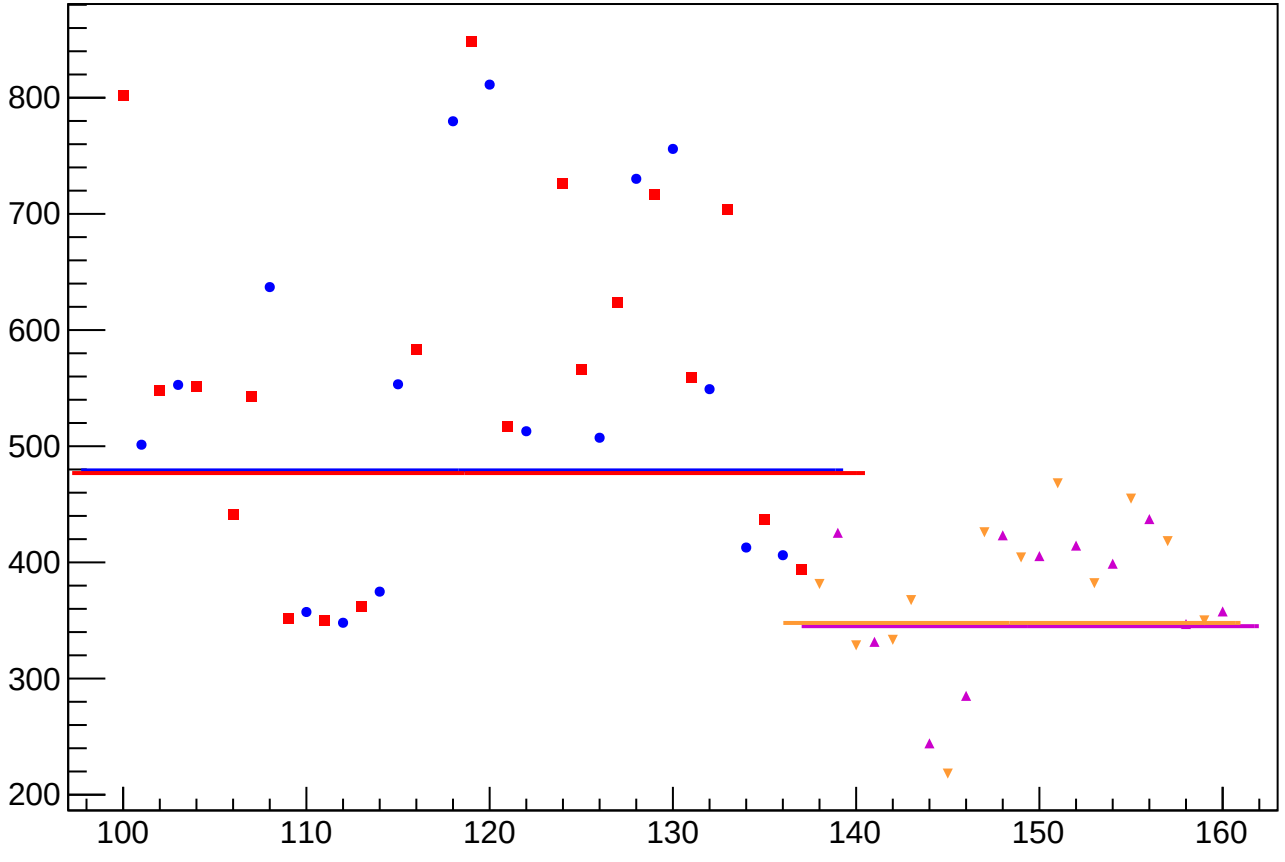
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 119.649+/-97.276 χ^2/NDF:39.7/26

Out: 123.244+/-97.840 χ^2/NDF:54.8/30

All: 121.436+/-68.983 χ^2/NDF: 94.5/57

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: 345.100+/-0.081 χ^2/NDF:683710.1/10

Left: 346.462+/-0.058 χ^2/NDF: 1615310.7/22

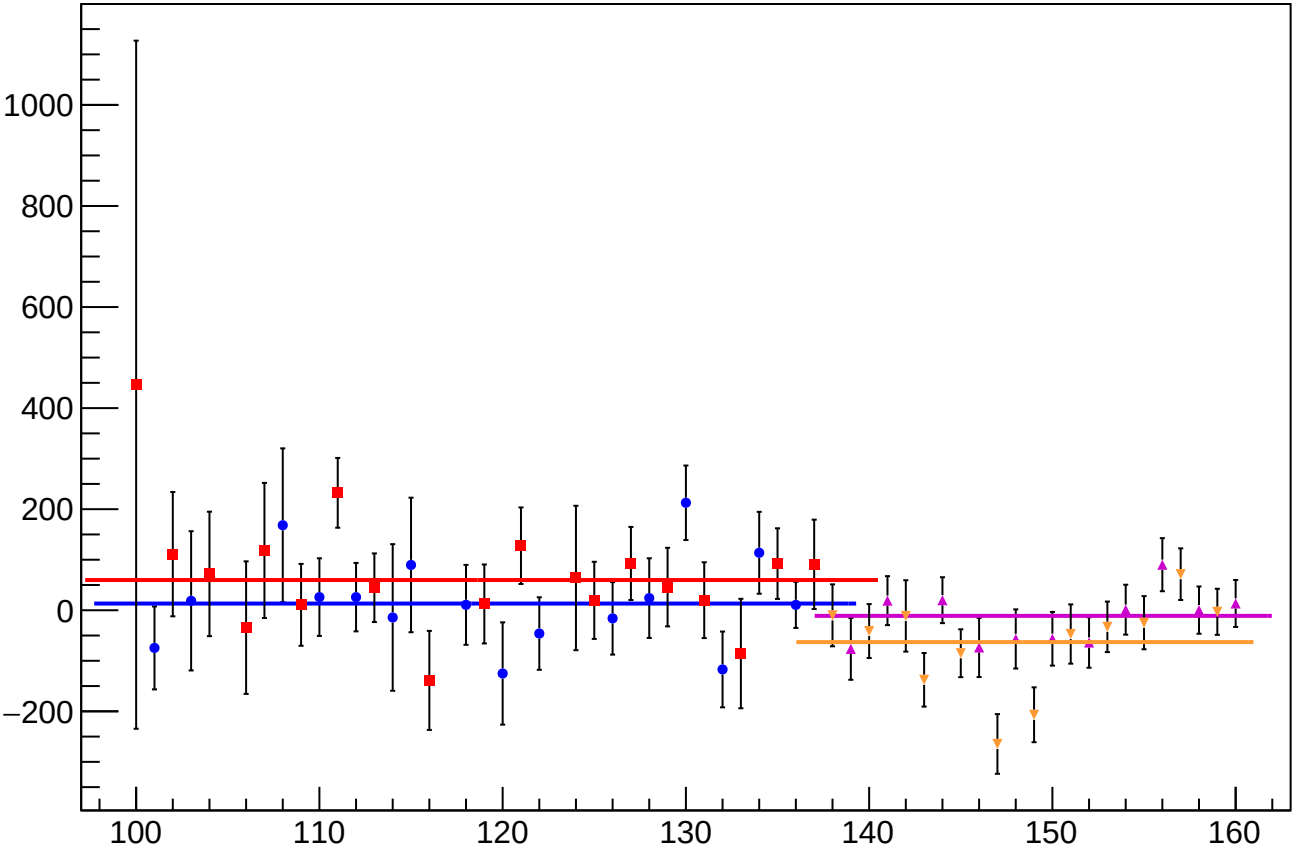
Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 382.086+/-0.069 χ^2/NDF:2395442.0/26

Out: 385.194+/-0.069 χ^2/NDF:2649931.6/30

All: 383.631+/-0.049 χ^2/NDF: 5046388.7/57

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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: -11.104+/-15.416 χ^2/NDF:9.7/10

Left: -36.890+/-10.931 χ^2/NDF: 47.3/22

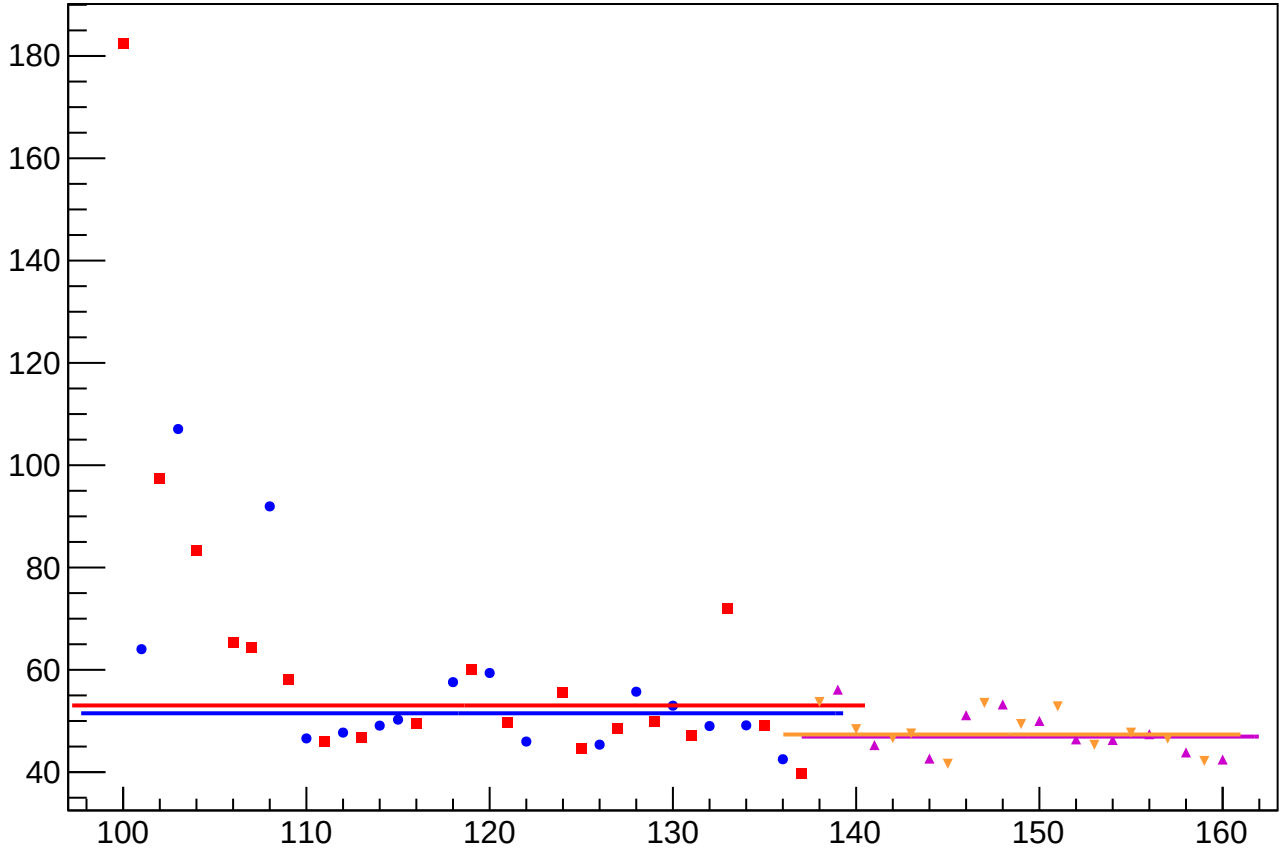
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -1.935+/-12.175 χ^2/NDF:27.9/26

Out: -17.556+/-12.305 χ^2/NDF:71.2/30

All: -9.663+/-8.655 χ^2/NDF: 99.9/57

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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: 46.949+/-0.011 χ^2/NDF:133280.3/10

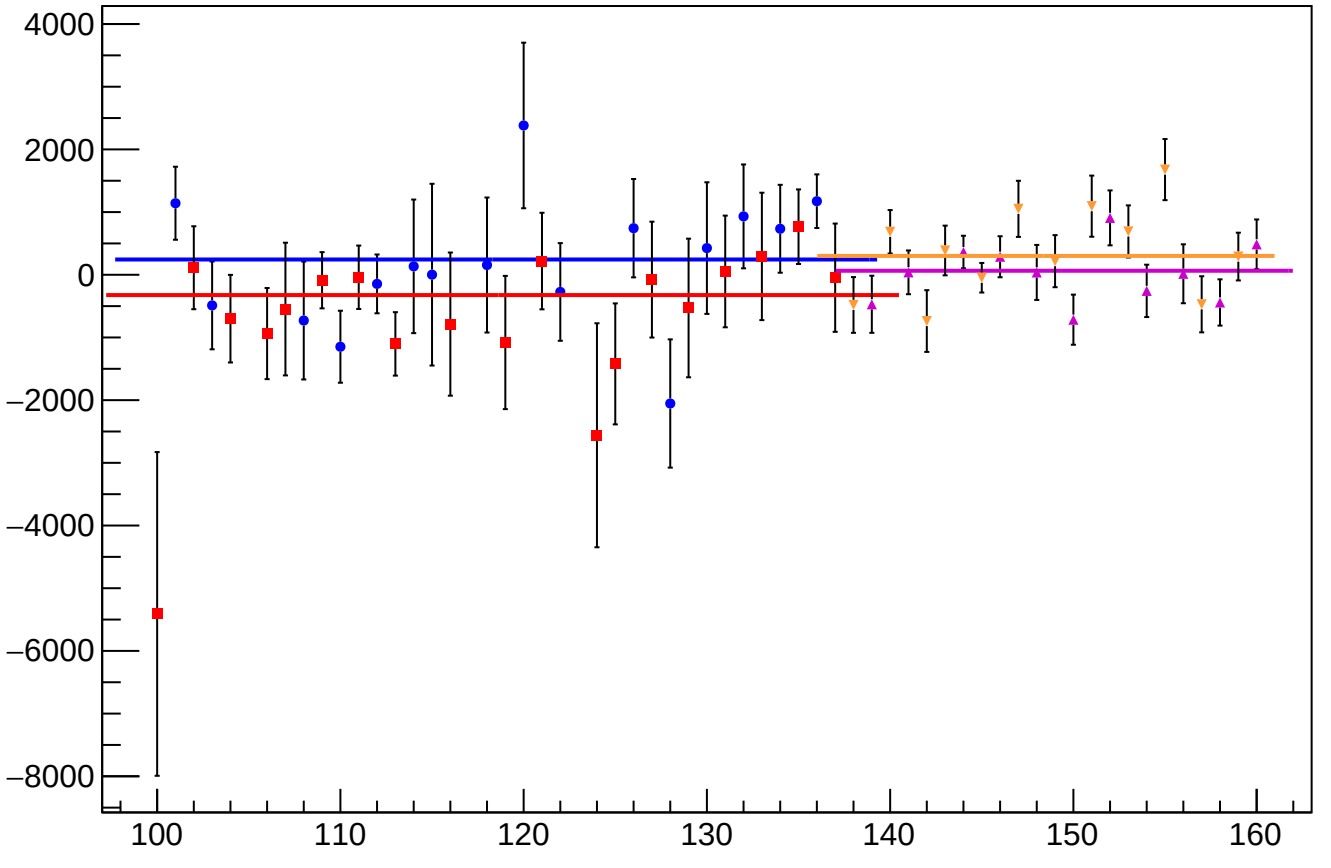
Left: 47.155+/-0.008 χ^2/NDF: 257413.8/22

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.664+/-0.009 χ^2/NDF:866073.5/26

Out: 49.462+/-0.009 χ^2/NDF:935438.2/30

All: 49.058+/-0.006 χ^2/NDF: 1805764.6/57



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: 64.211+/-113.371 χ^2/NDF:14.3/10

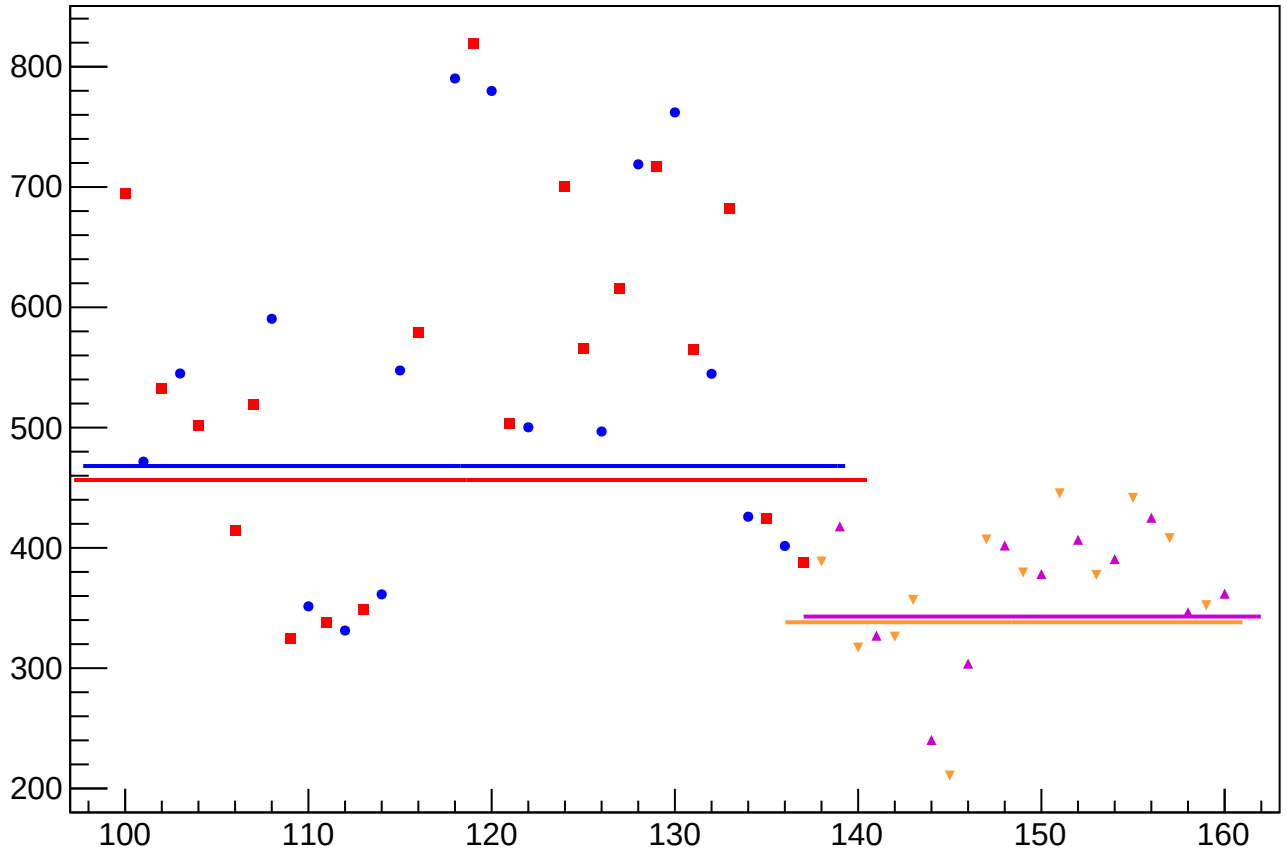
Left: 183.134+/-79.928 χ^2/NDF: 44.8/22

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 114.874+/-96.061 χ^2/NDF:40.6/26

Out: 115.604+/-94.533 χ^2/NDF:53.9/30

All: 115.245+/-67.379 χ^2/NDF: 94.5/57



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: 342.918+/-0.080 χ^2/NDF:584916.3/10

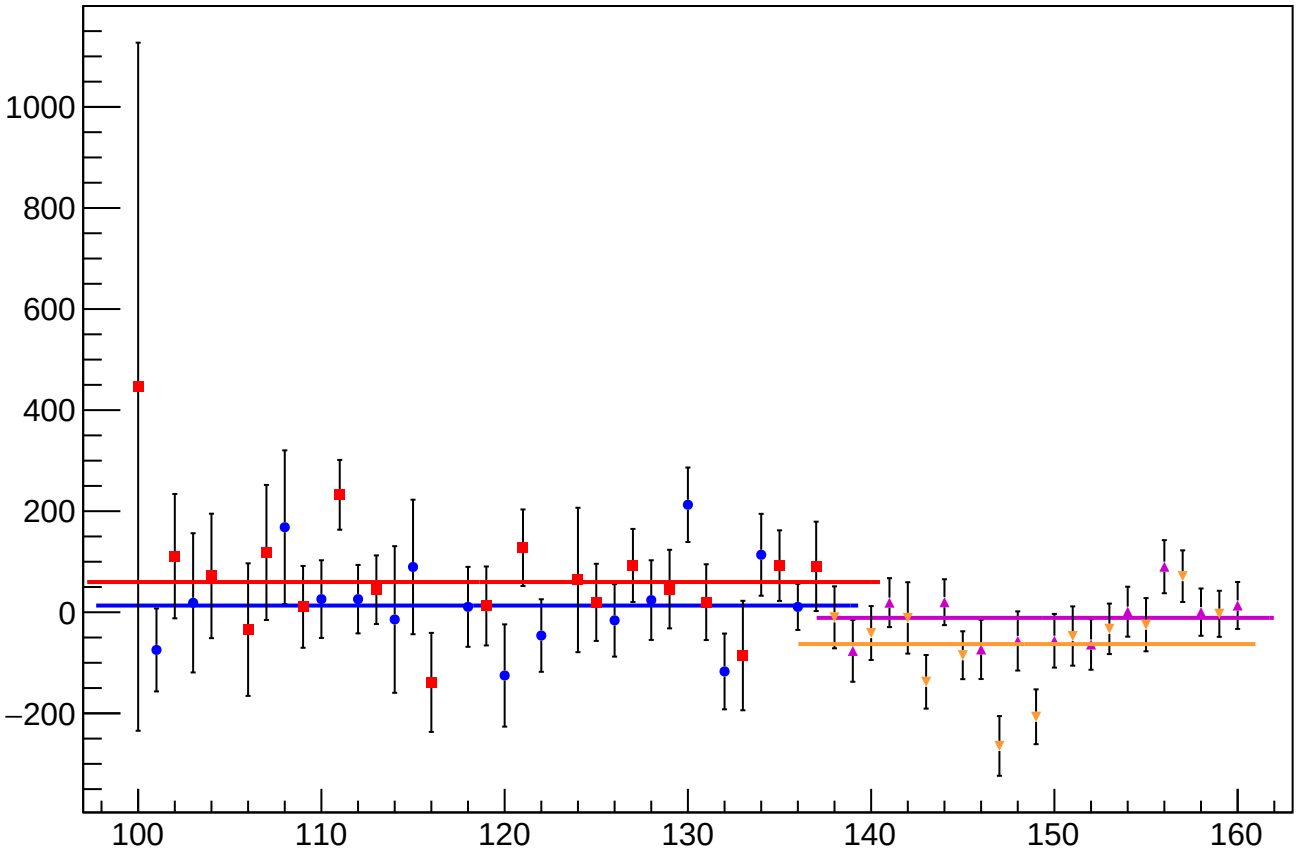
Left: 340.527+/-0.057 χ^2/NDF: 1532535.0/22

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 378.218+/-0.068 χ^2/NDF:2255242.6/26

Out: 373.232+/-0.067 χ^2/NDF:2681668.3/30

All: 375.685+/-0.048 χ^2/NDF: 4939647.6/57



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: -11.104+/-15.416 χ^2/NDF:9.7/10

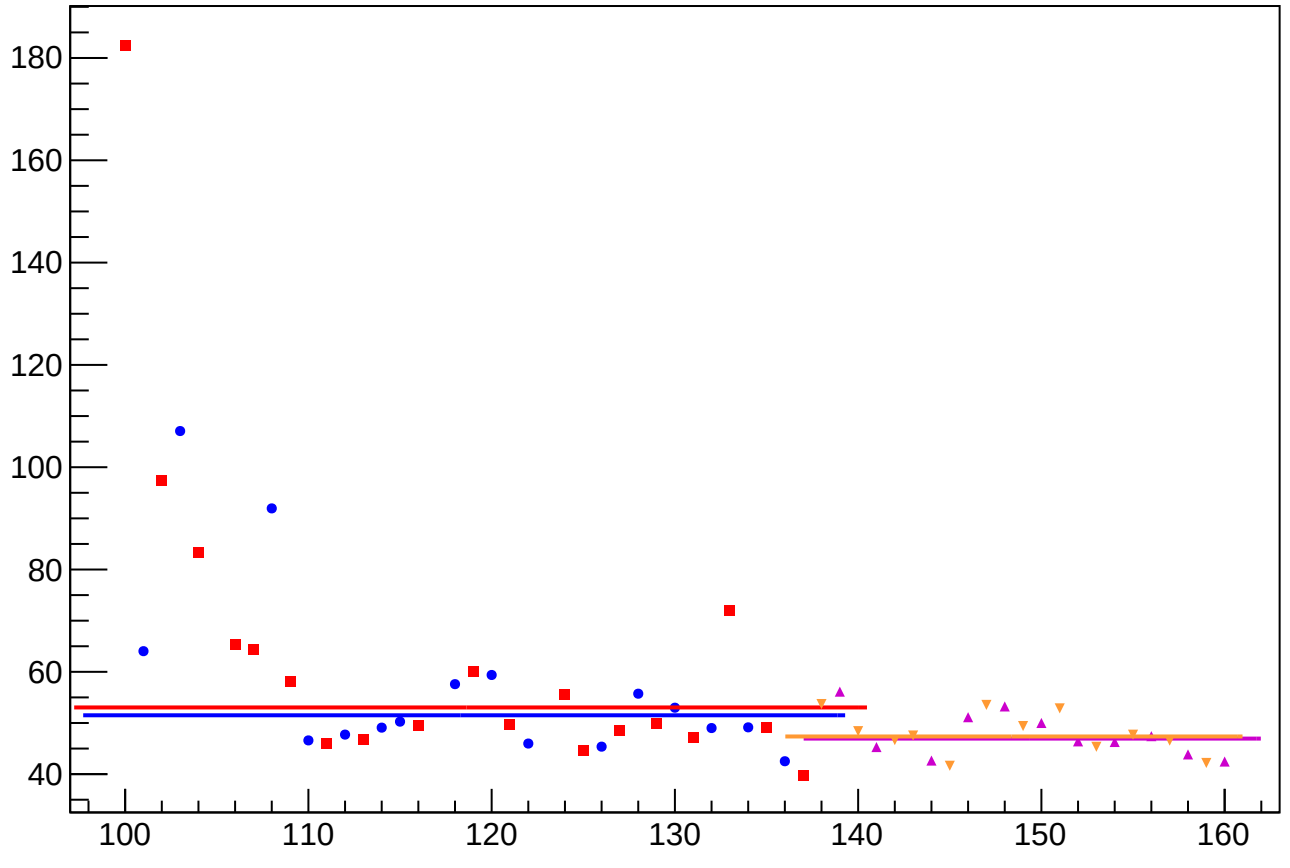
Left: -36.891+/-10.931 χ^2/NDF: 47.3/22

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -1.935+/-12.175 χ^2/NDF:27.9/26

Out: -17.556+/-12.305 χ^2/NDF:71.2/30

All: -9.663+/-8.655 χ^2/NDF: 99.9/57



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: 46.949+/-0.011 χ^2/NDF:133280.6/10

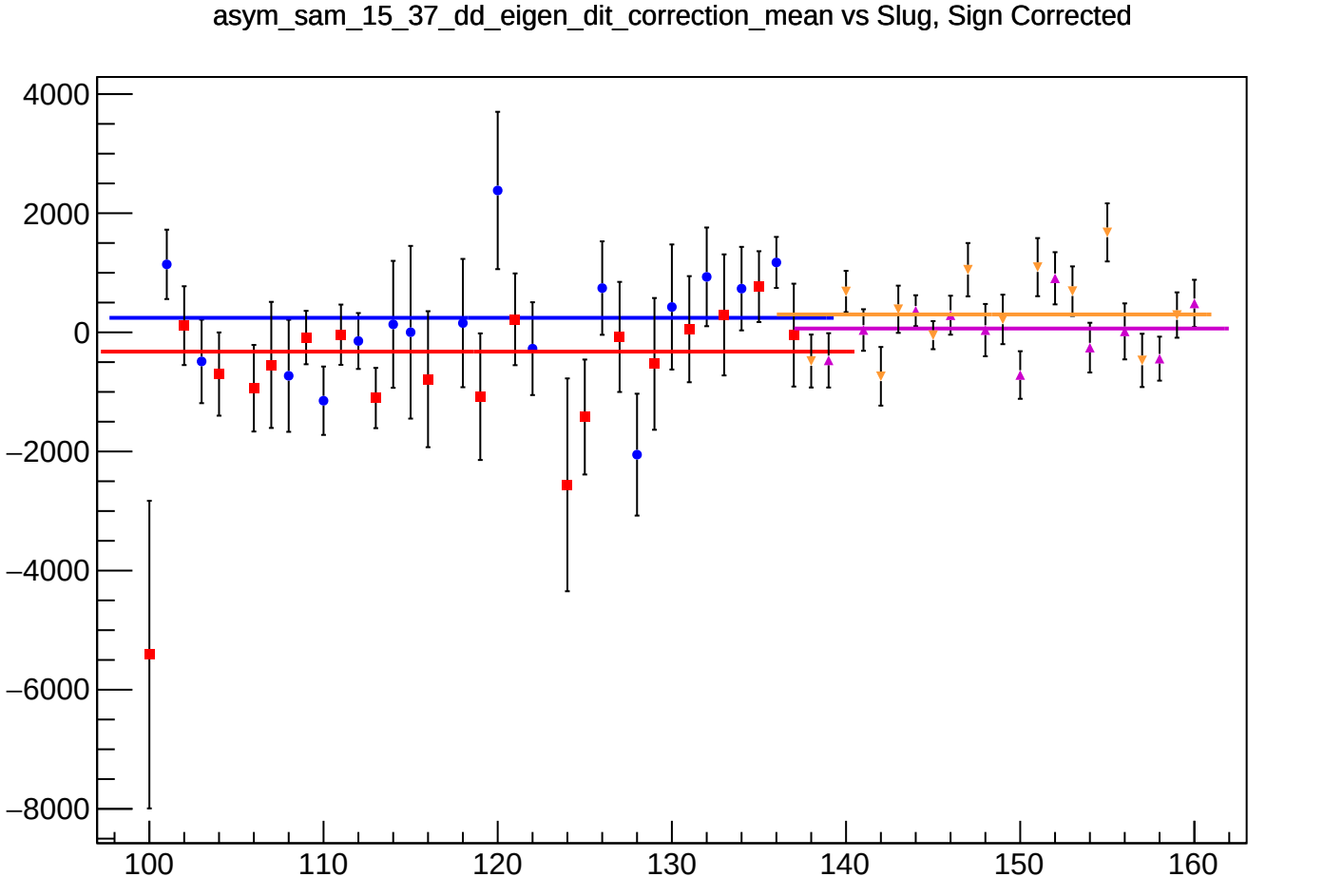
Left: 47.155+/-0.008 χ^2/NDF: 257414.7/22

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

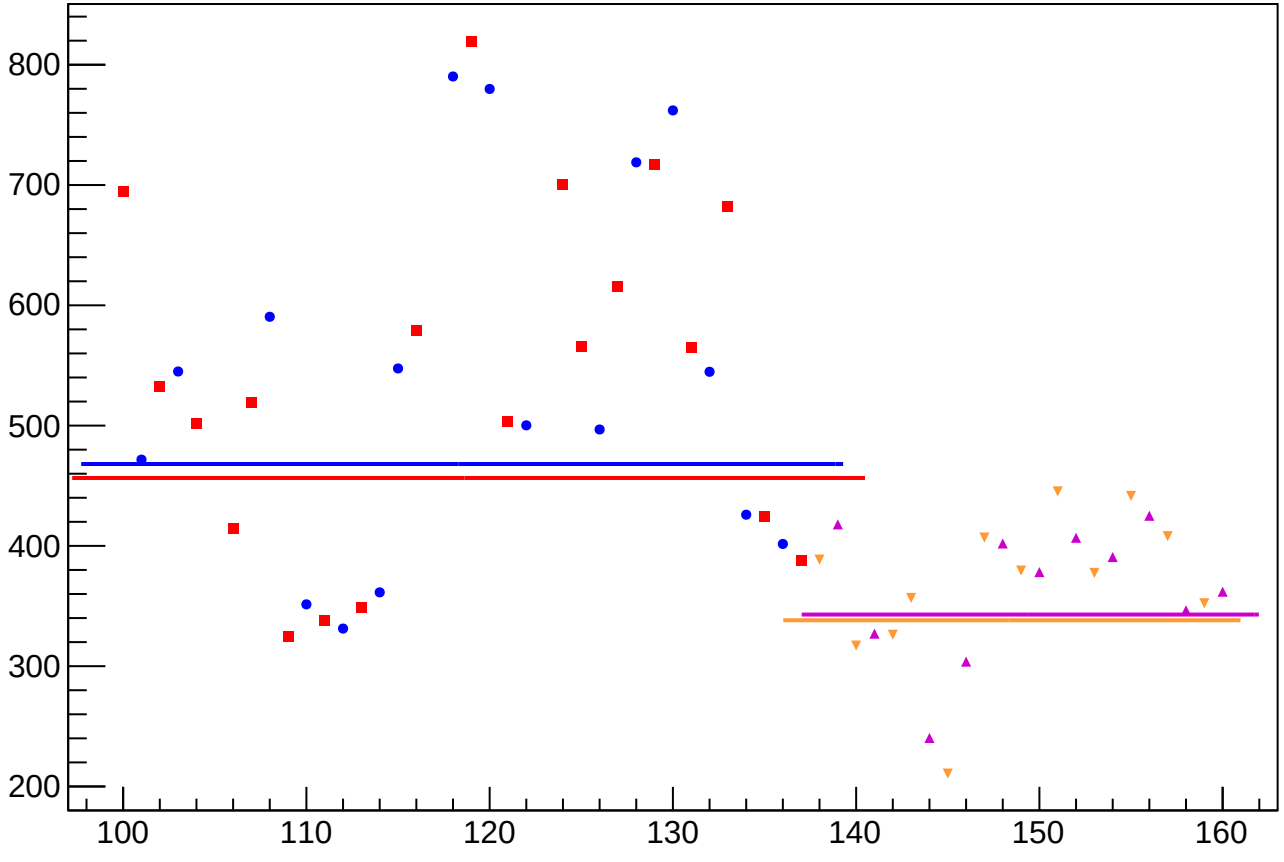
In: 48.664+/-0.009 χ^2/NDF:866078.2/26

Out: 49.462+/-0.009 χ^2/NDF:935446.9/30

All: 49.058+/-0.006 χ^2/NDF: 1805778.3/57


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: 64.211+/-113.371 χ²/NDF:14.3/10
Left: 183.134+/-79.928 χ²/NDF: 44.8/22
Right: -51.485+/-125.257 χ²/NDF: 47.2/34
In: 114.874+/-96.061 χ²/NDF:40.6/26
Out: 115.604+/-94.533 χ²/NDF:53.9/30
All: 115.245+/-67.379 χ²/NDF: 94.5/57

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: 342.918+/-0.080 χ^2/NDF:584917.8/10

Left: 340.527+/-0.057 χ^2/NDF: 1532541.3/22

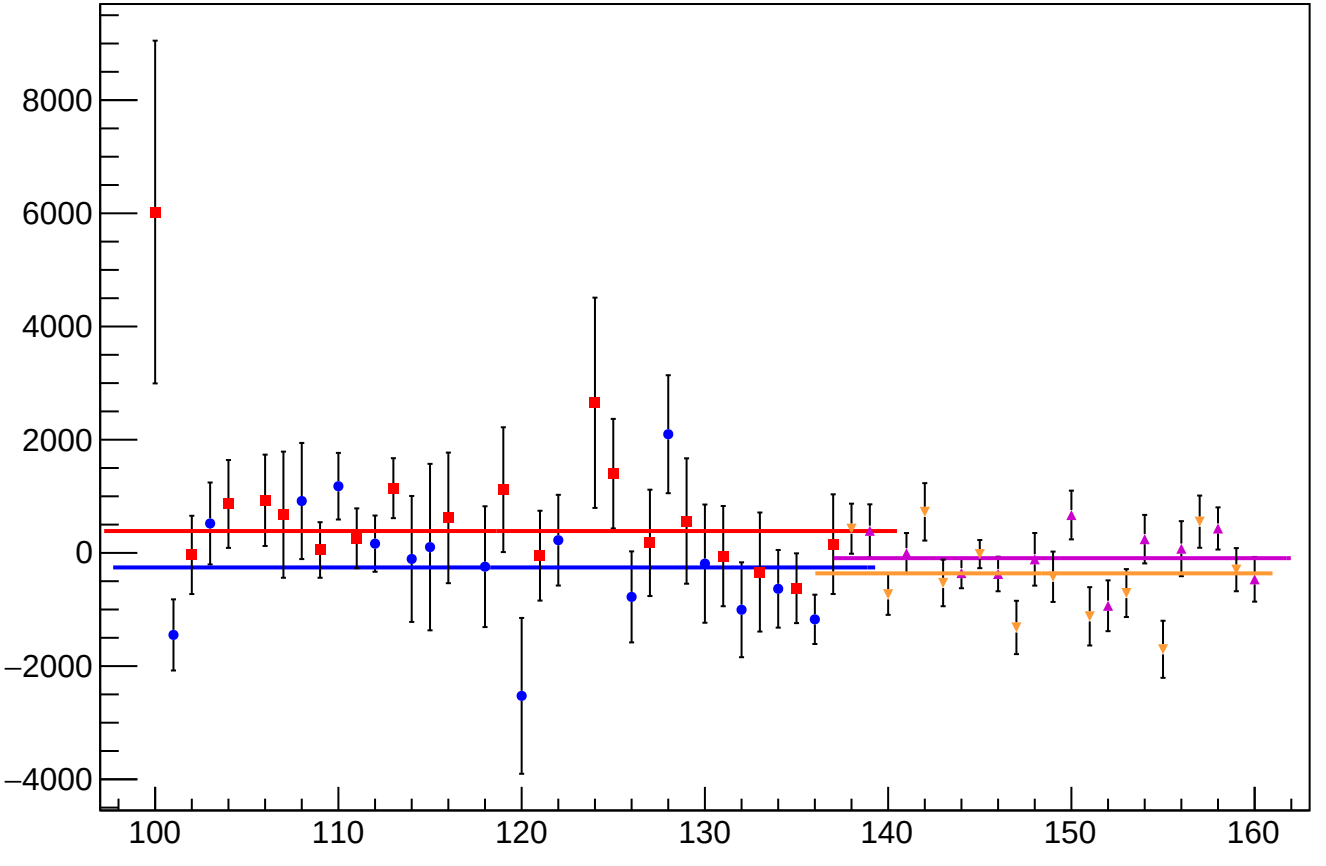
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 378.218+/-0.068 χ^2/NDF:2255235.9/26

Out: 373.232+/-0.067 χ^2/NDF:2681663.2/30

All: 375.685+/-0.048 χ^2/NDF: 4939636.0/57

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: -92.812+/-115.196 χ^2/NDF:13.2/10

Left: -225.038+/-82.075 χ^2/NDF: 44.7/22

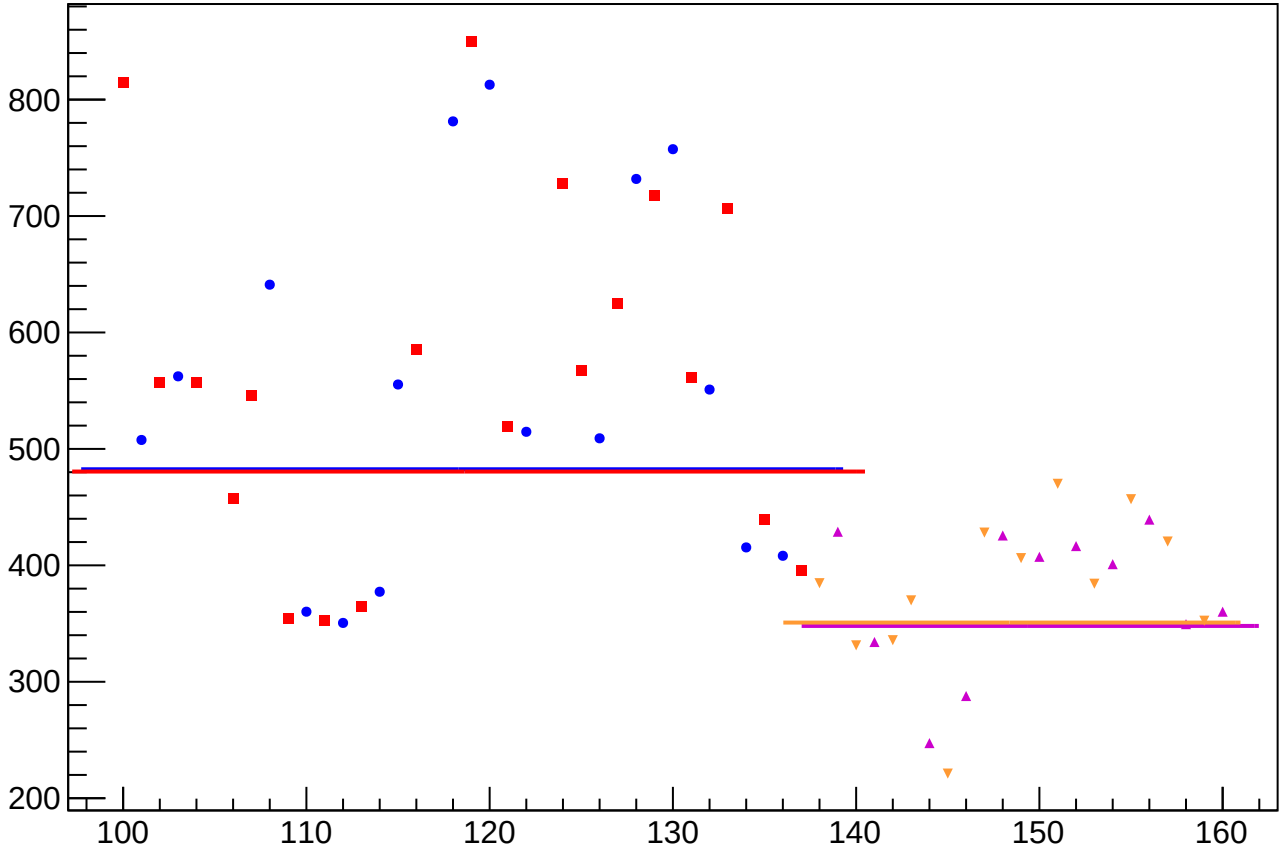
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -138.098+/-98.002 χ^2/NDF:40.7/26

Out: -143.391+/-98.455 χ^2/NDF:55.0/30

All: -140.732+/-69.458 χ^2/NDF: 95.7/57

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: 347.963+/-0.081 χ^2/NDF:666563.4/10

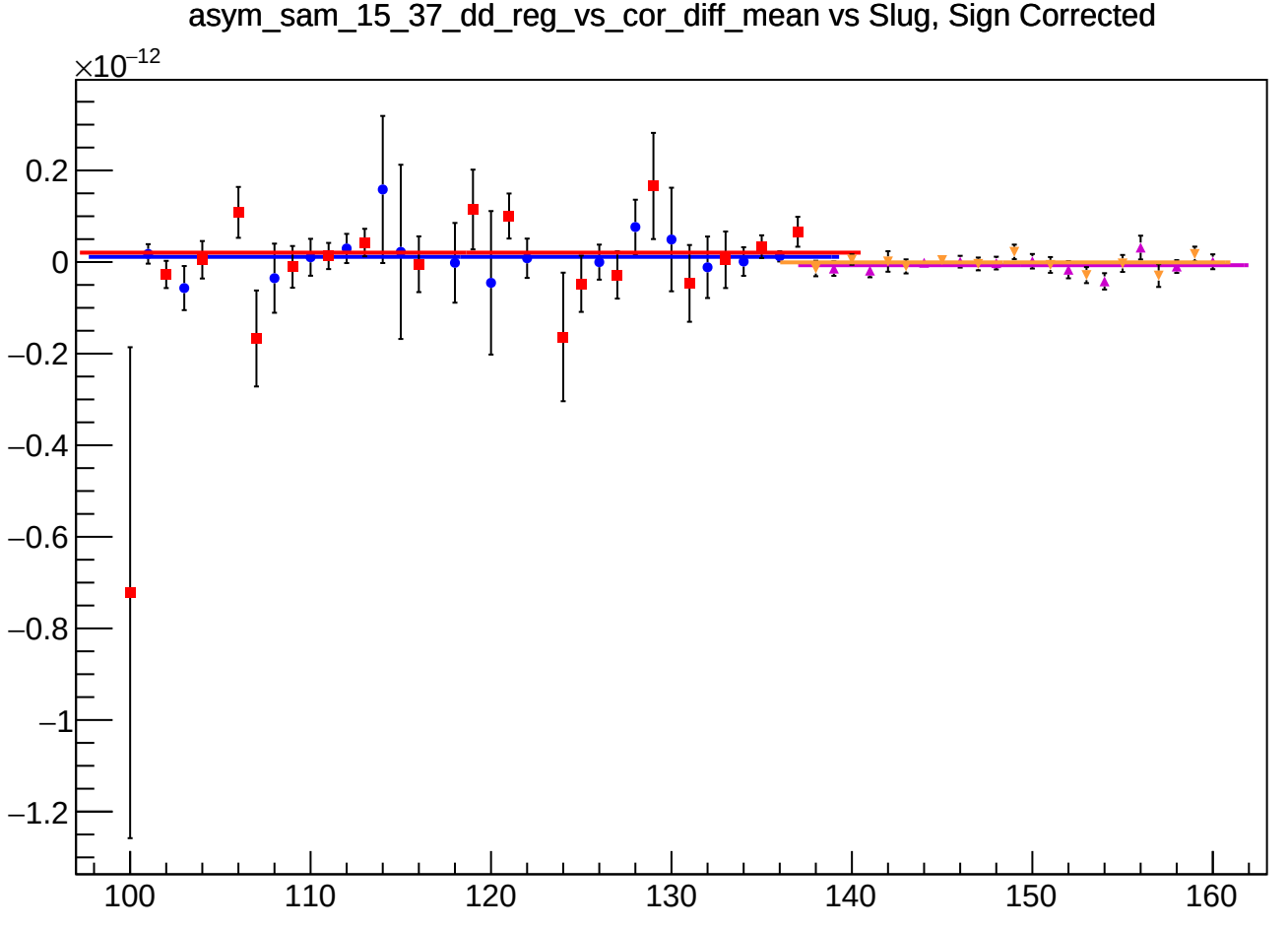
Left: 349.386+/-0.058 χ^2/NDF: 1572731.6/22

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 385.131+/-0.069 χ^2/NDF:2366806.9/26

Out: 388.660+/-0.070 χ^2/NDF:2616185.0/30

All: 386.888+/-0.049 χ^2/NDF: 4984282.9/57



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:8.5/10

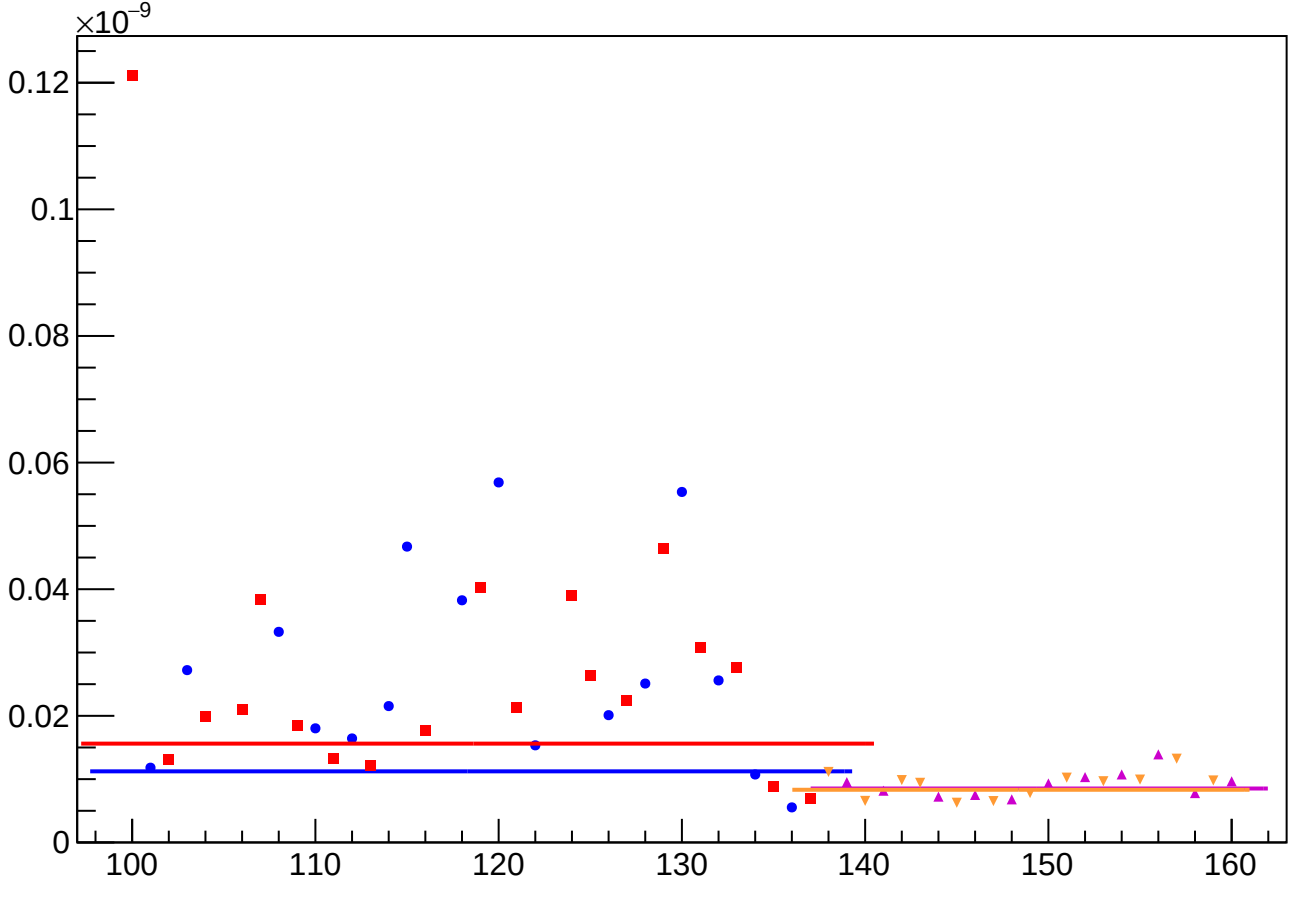
Left: -0.000+/-0.000 χ^2/NDF: 18.4/22

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:17.9/26

Out: 0.000+/-0.000 χ^2/NDF:36.3/30

All: -0.000+/-0.000 χ^2/NDF: 55.0/57



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:237260.0/10

Left: 0.000+/-0.000 χ^2/NDF: 632643.6/22

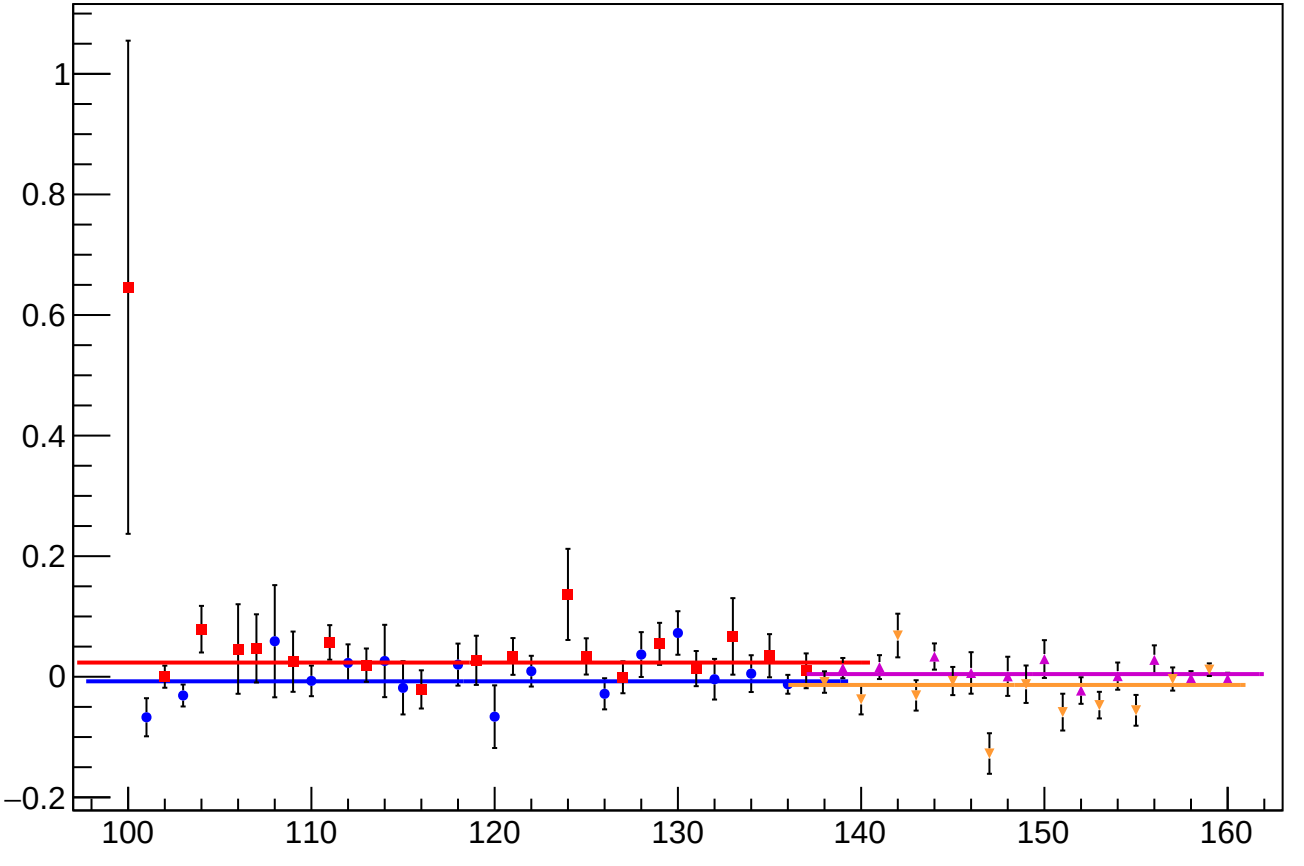
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2514896.8/26

Out: 0.000+/-0.000 χ^2/NDF:2432116.7/30

All: 0.000+/-0.000 χ^2/NDF: 4951570.2/57

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: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.004+/-0.004 χ^2/NDF: 42.9/22

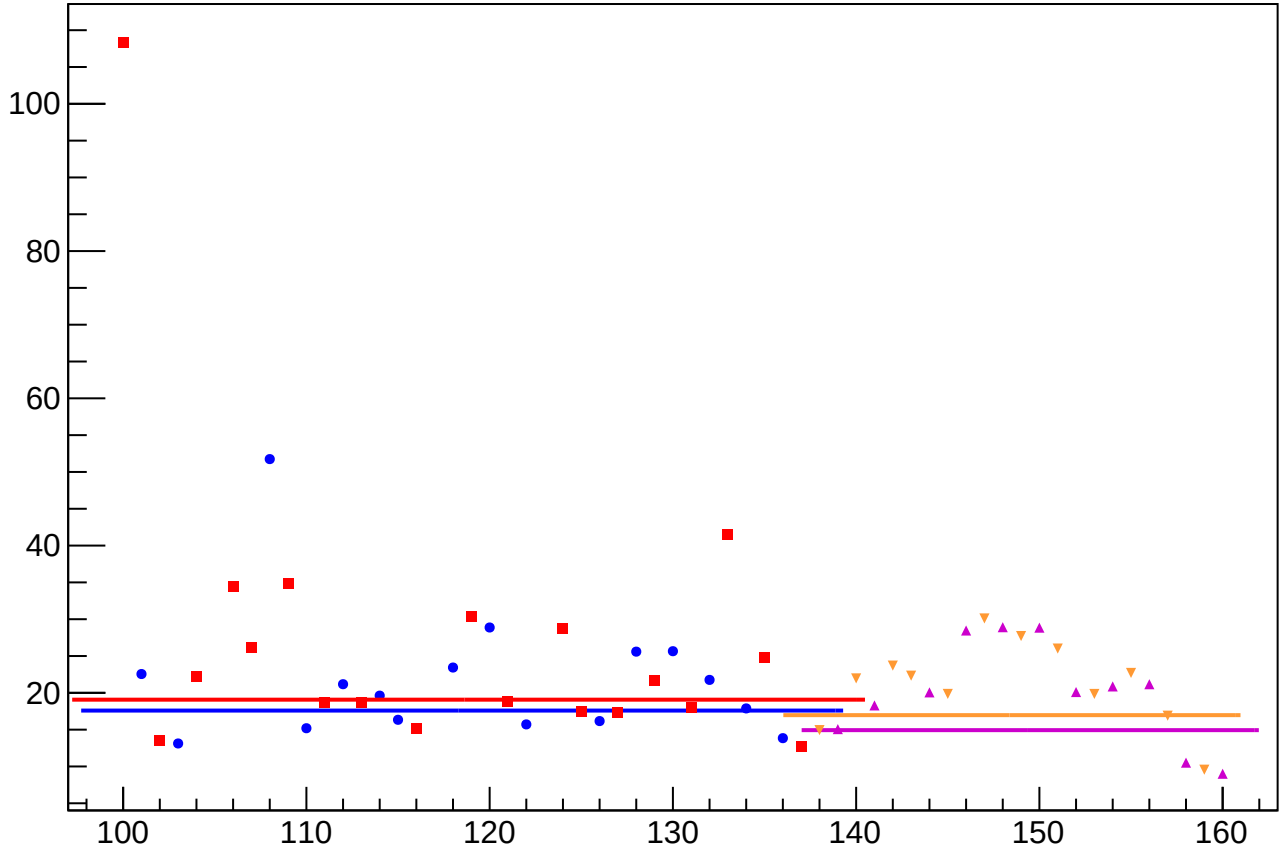
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.000+/-0.003 χ^2/NDF: 85.4/57

asym_sam_15_37_dd_dit_vs_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: 14.932+/-0.004 χ^2/NDF:2615727.2/10

Left: 15.837+/-0.003 χ^2/NDF: 4892631.4/22

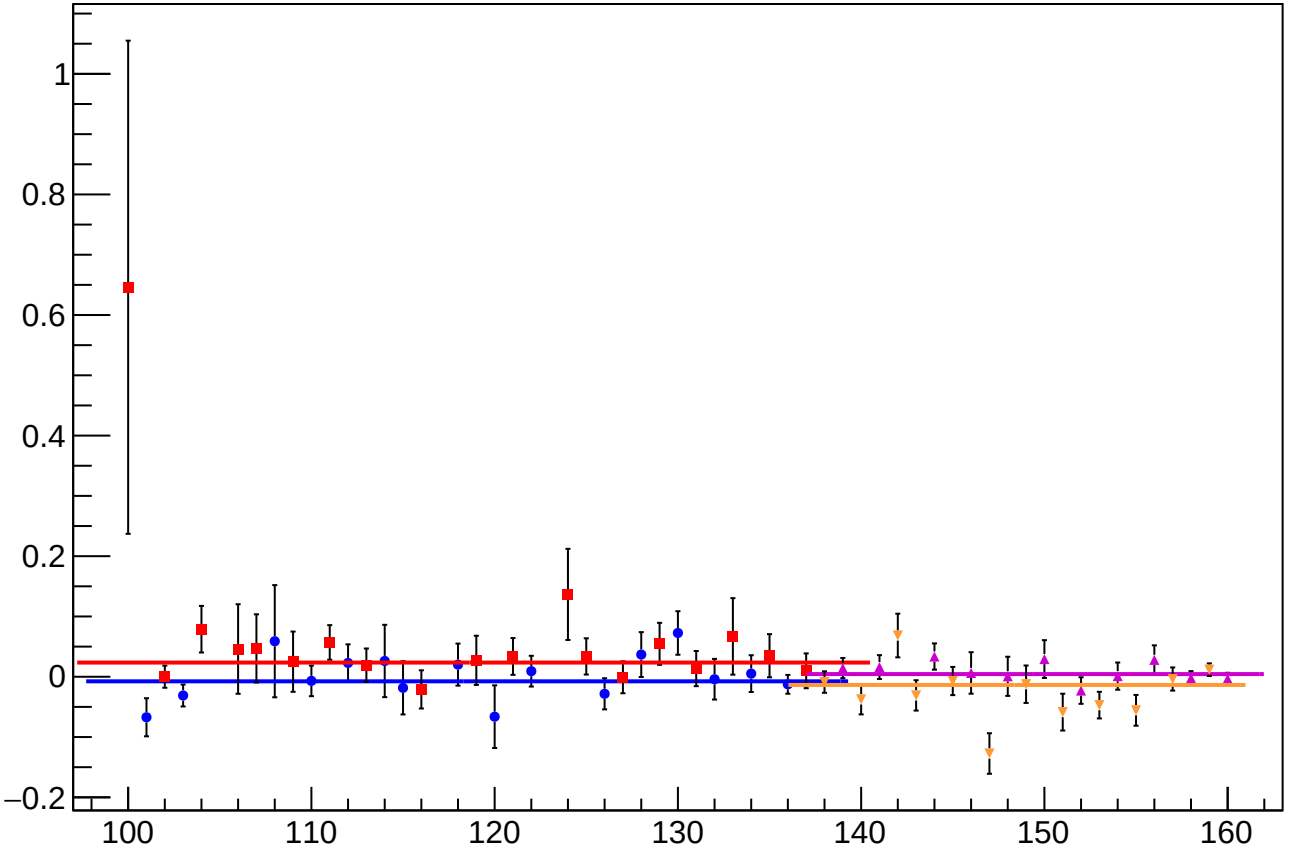
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.892+/-0.003 χ^2/NDF:3783299.8/26

Out: 17.766+/-0.003 χ^2/NDF:3490440.0/30

All: 16.738+/-0.002 χ^2/NDF: 7443387.4/57

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: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.004+/-0.004 χ^2/NDF: 42.9/22

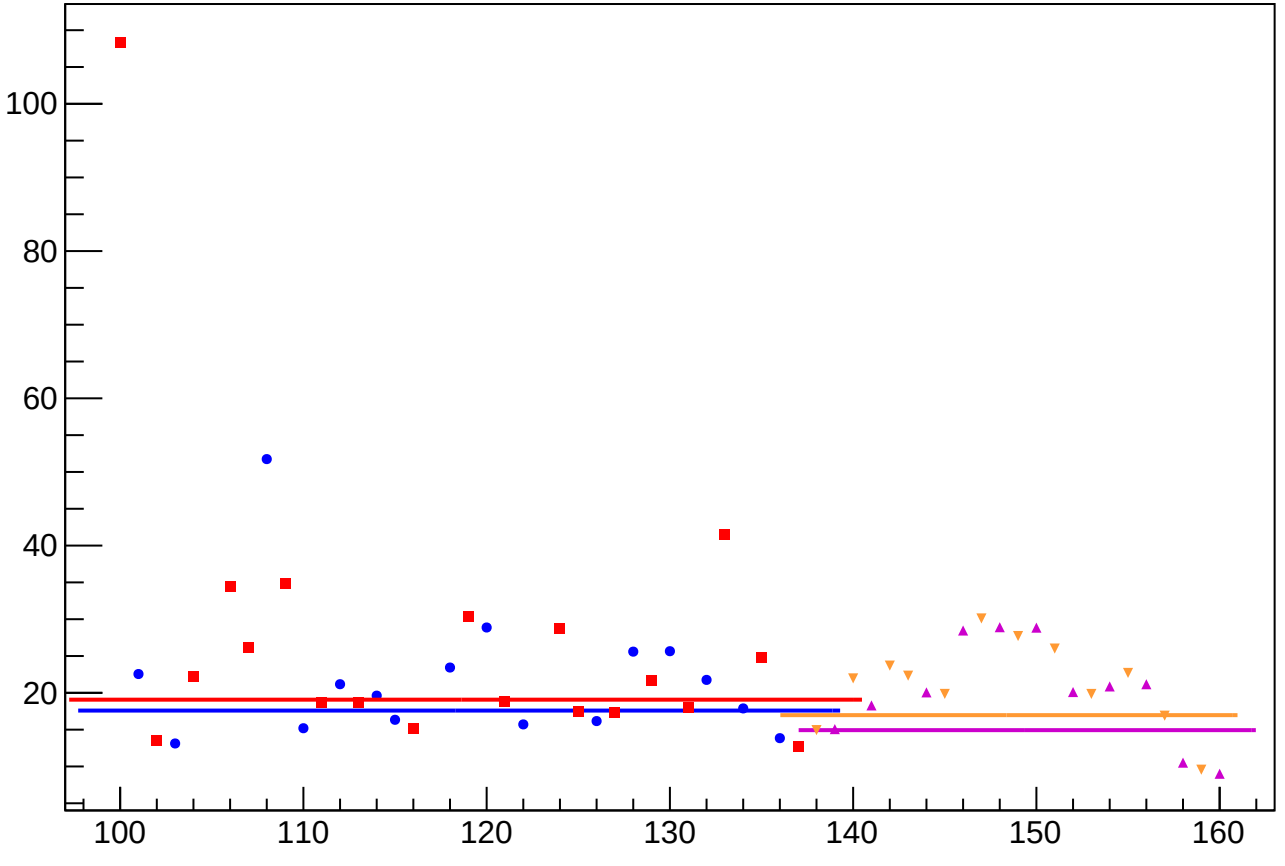
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.000+/-0.003 χ^2/NDF: 85.4/57

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: 14.932+/-0.004 χ^2/NDF:2615727.2/10

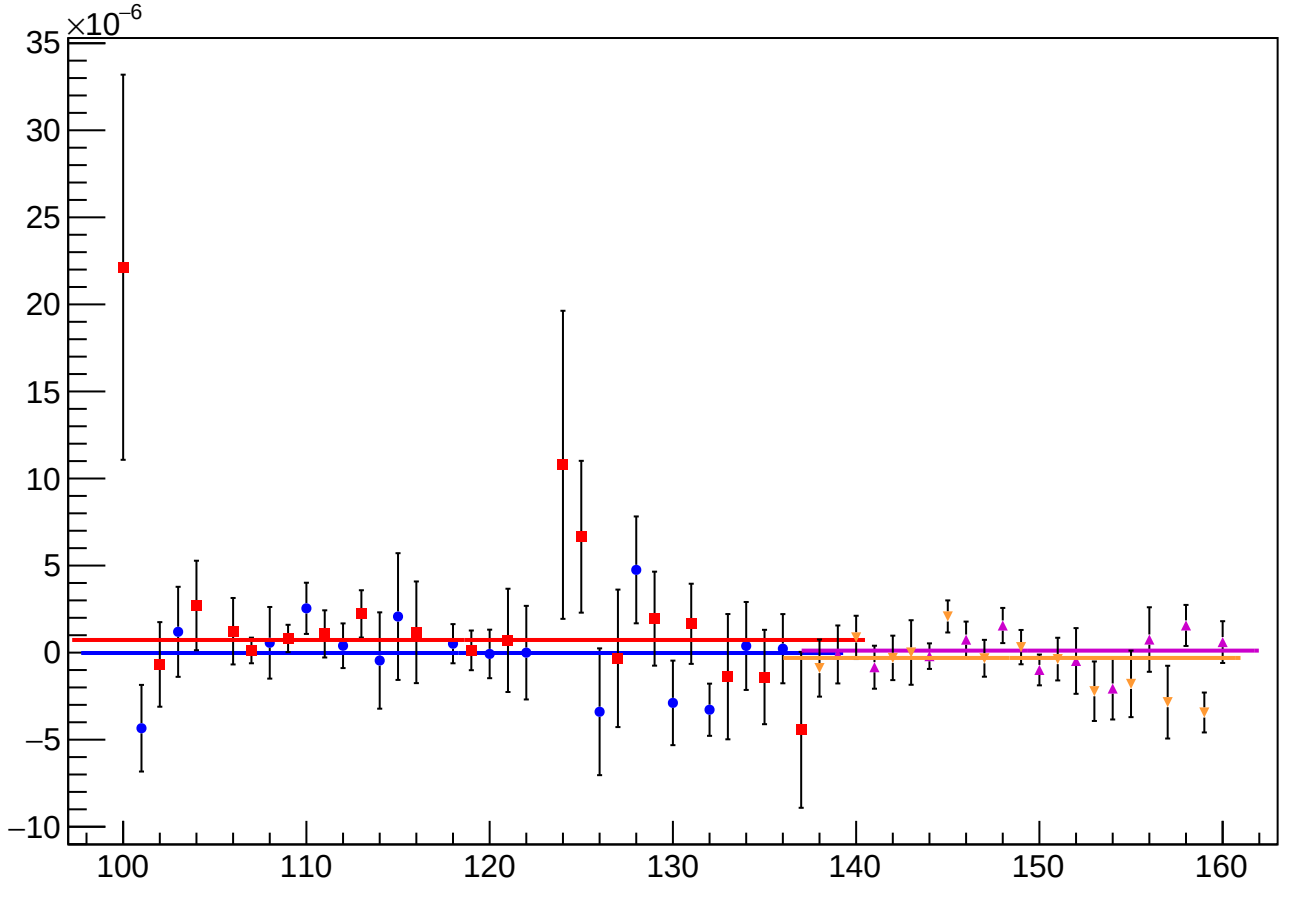
Left: 15.837+/-0.003 χ^2/NDF: 4892631.4/22

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.892+/-0.003 χ^2/NDF:3783299.8/26

Out: 17.766+/-0.003 χ^2/NDF:3490440.0/30

All: 16.738+/-0.002 χ^2/NDF: 7443387.4/57



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:8.2/10

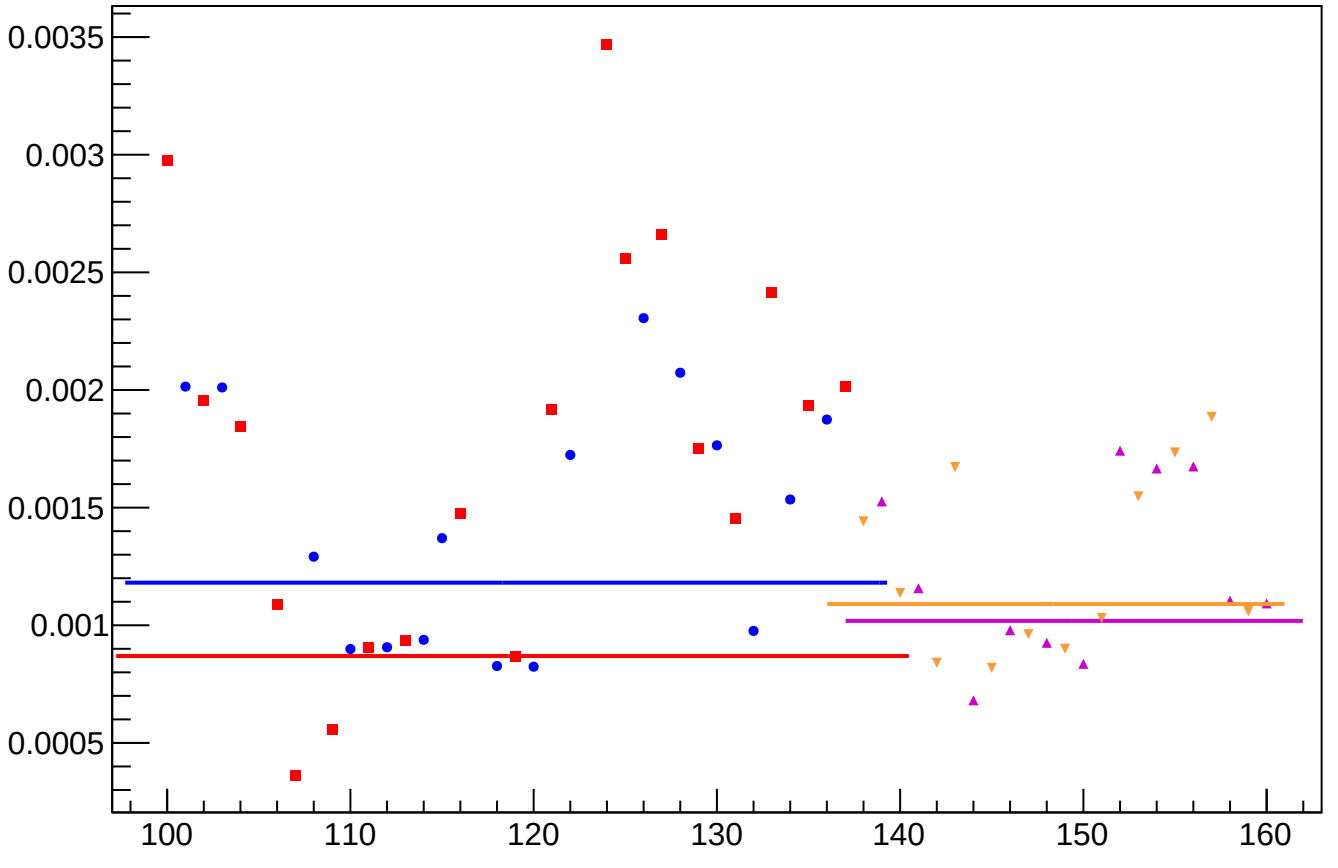
Left: -0.000+/-0.000 χ^2/NDF: 27.8/22

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: 0.000+/-0.000 χ^2/NDF:35.6/30

All: 0.000+/-0.000 χ^2/NDF: 60.4/57



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:1569180.7/10

Left: 0.001+/-0.000 χ^2/NDF: 2921221.9/22

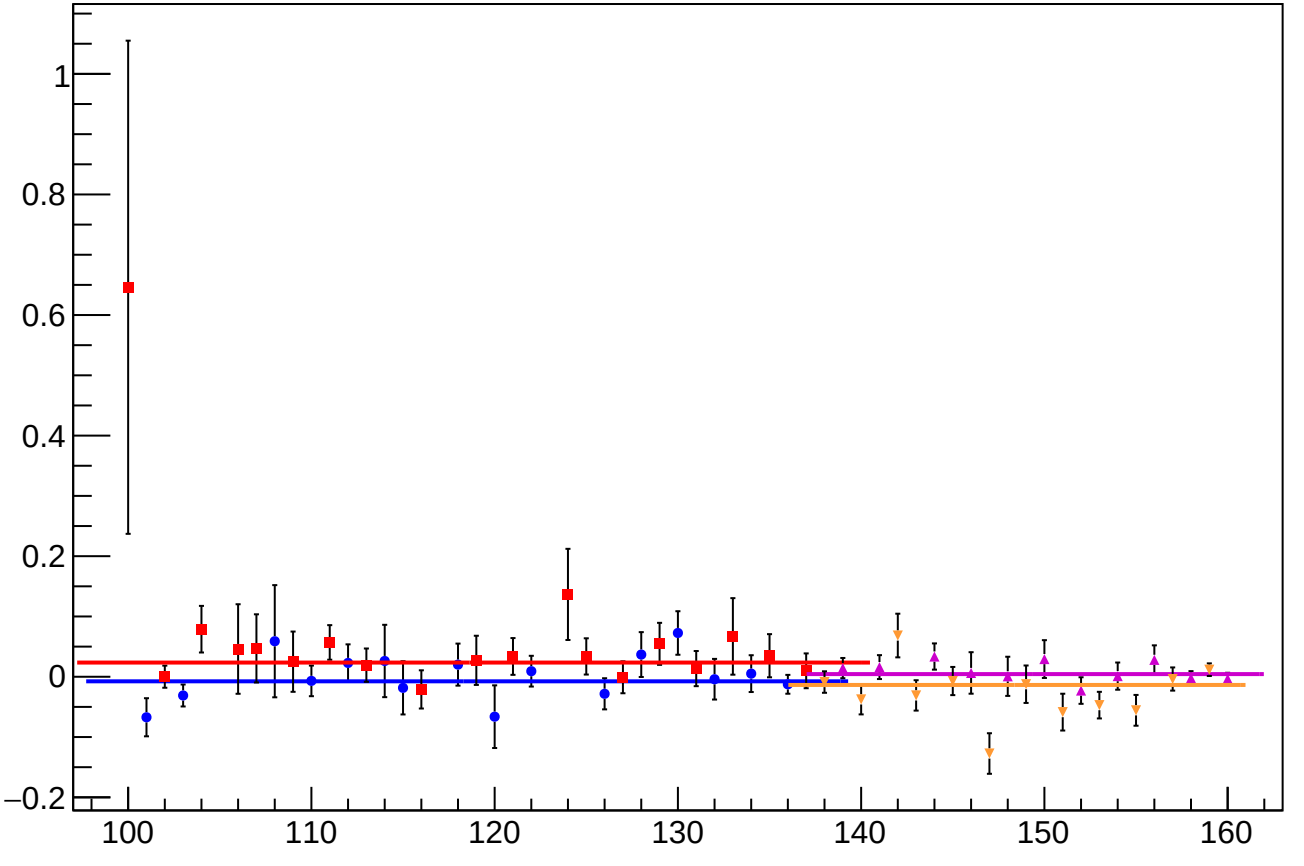
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3551348.7/26

Out: 0.001+/-0.000 χ^2/NDF:6092983.2/30

All: 0.001+/-0.000 χ^2/NDF: 9758755.0/57

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: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.004+/-0.004 χ^2/NDF: 42.9/22

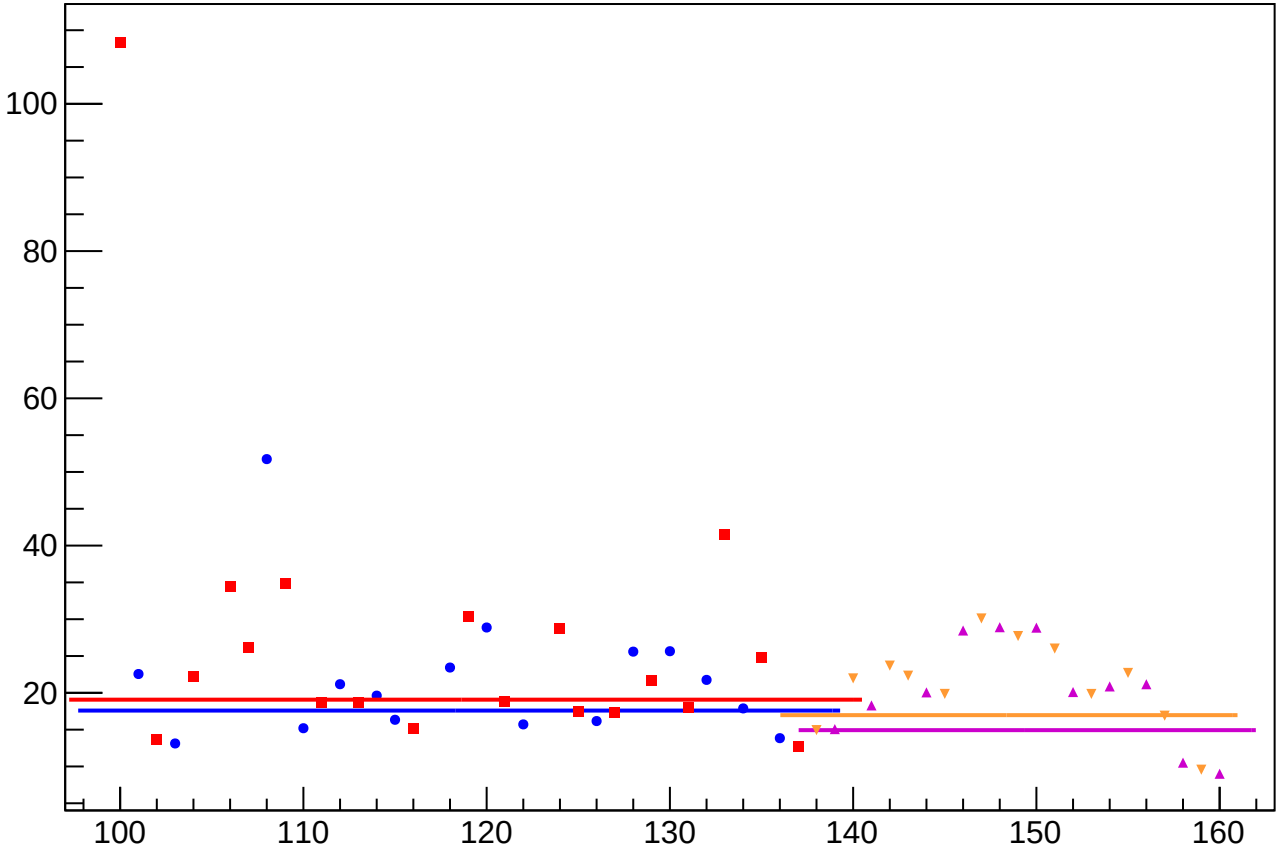
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.000+/-0.003 χ^2/NDF: 85.4/57

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: 14.932+/-0.004 χ^2/NDF:2616056.7/10

Left: 15.837+/-0.003 χ^2/NDF: 4893252.0/22

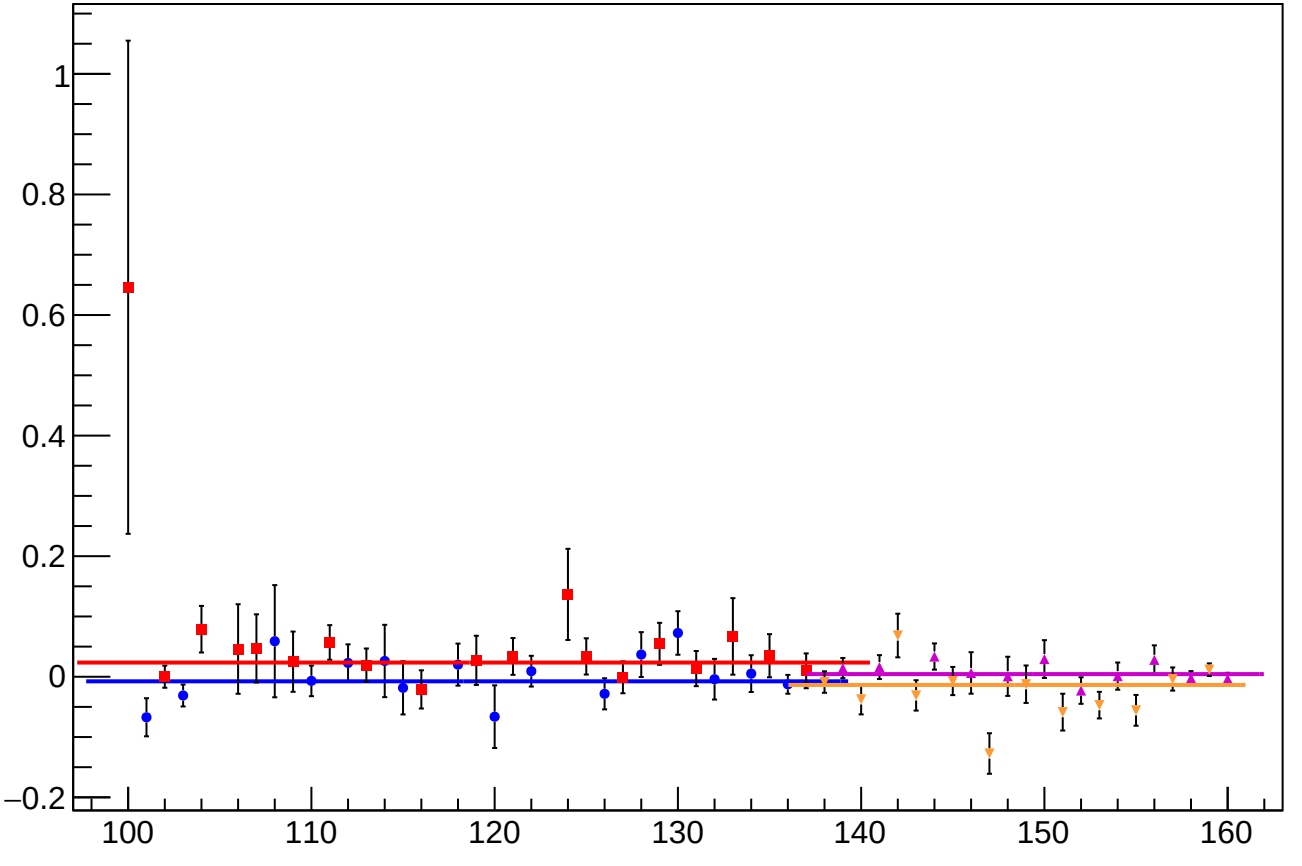
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.891+/-0.003 χ^2/NDF:3783734.3/26

Out: 17.766+/-0.003 χ^2/NDF:3490687.8/30

All: 16.738+/-0.002 χ^2/NDF: 7444109.9/57

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: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.004+/-0.004 χ^2/NDF: 42.9/22

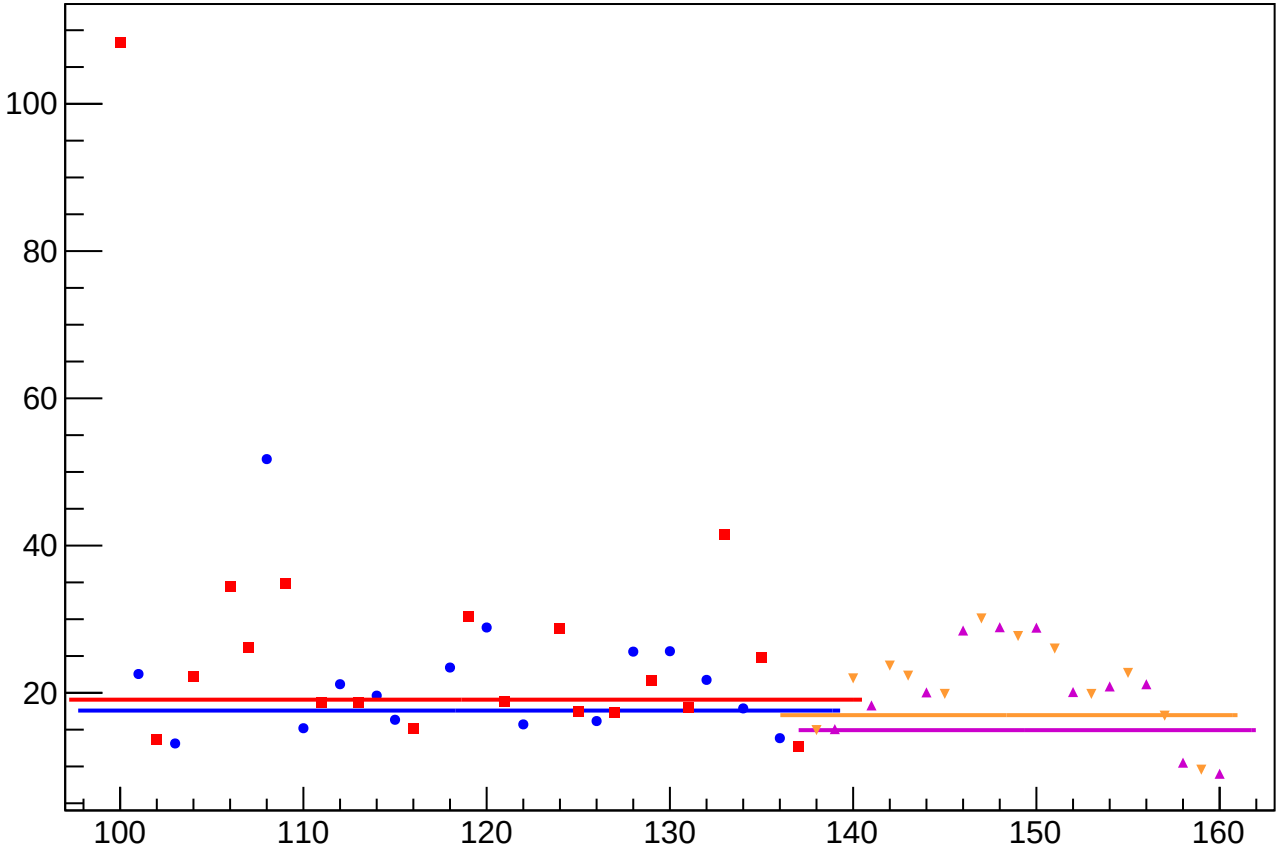
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: 0.000+/-0.005 χ^2/NDF:60.3/30

All: 0.000+/-0.003 χ^2/NDF: 85.4/57

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: 14.932+/-0.004 χ^2/NDF:2616056.7/10

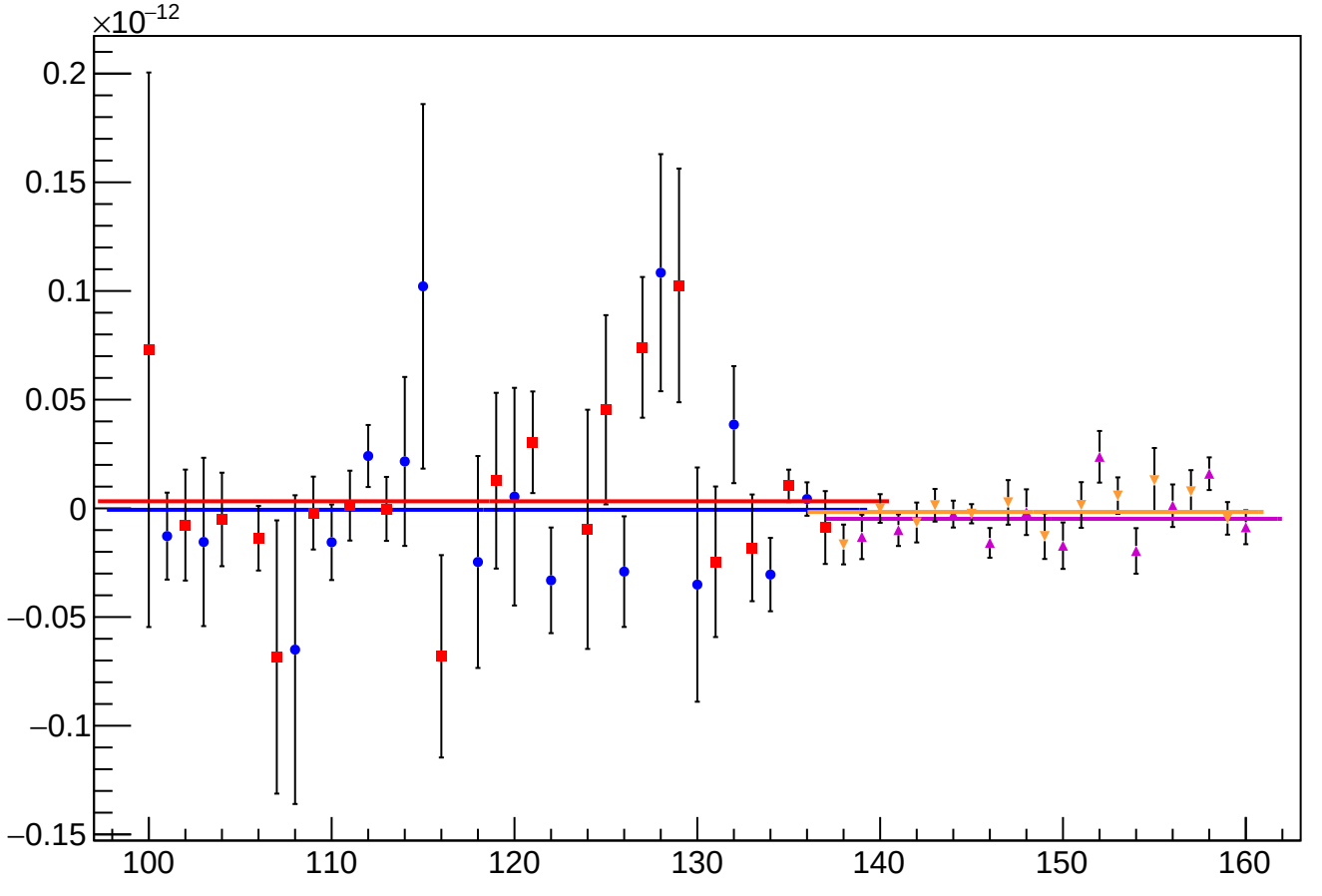
Left: 15.837+/-0.003 χ^2/NDF: 4893252.0/22

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.891+/-0.003 χ^2/NDF:3783734.3/26

Out: 17.766+/-0.003 χ^2/NDF:3490687.8/30

All: 16.738+/-0.002 χ^2/NDF: 7444109.9/57



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:21.4/10

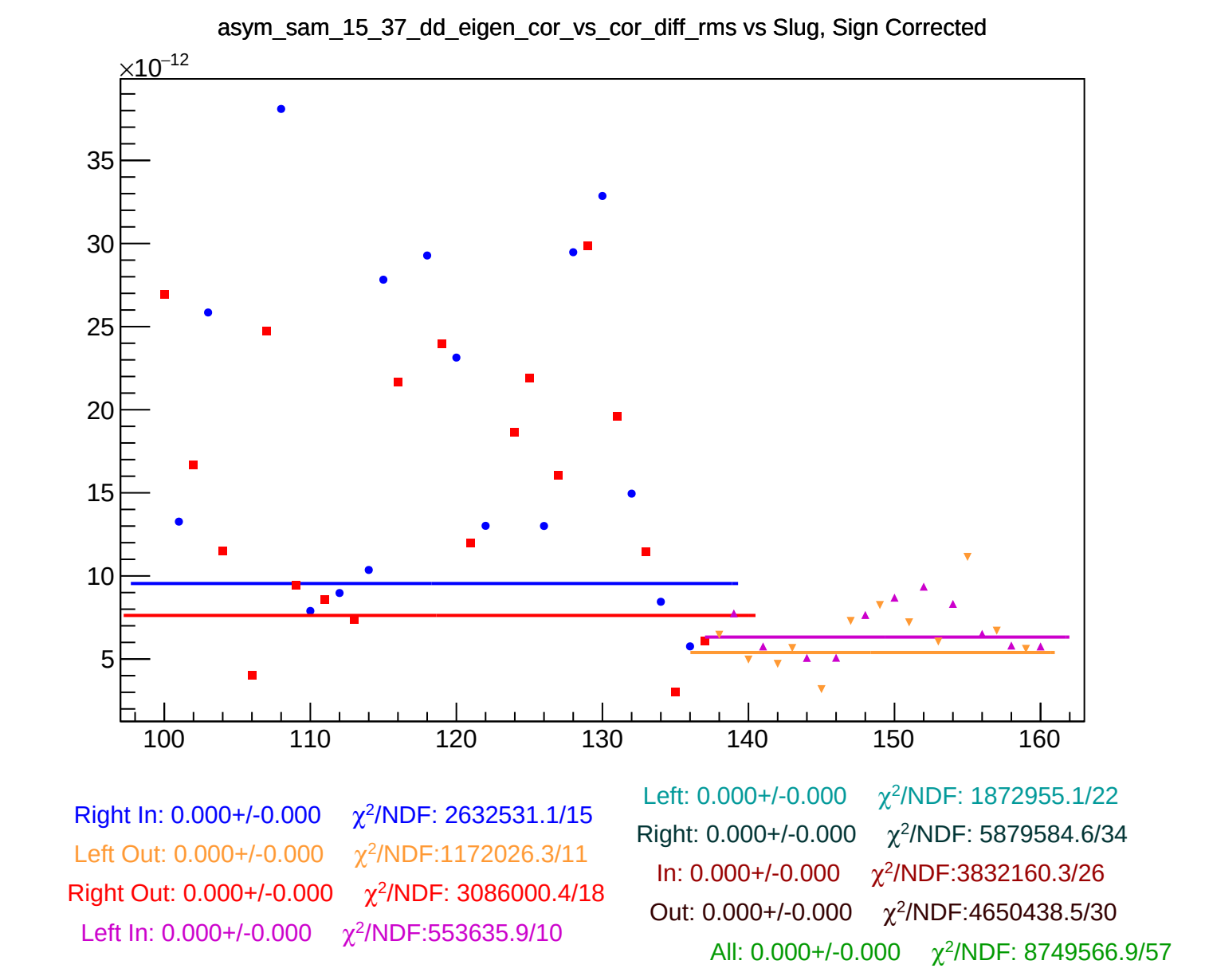
Left: -0.000+/-0.000 χ^2/NDF: 29.7/22

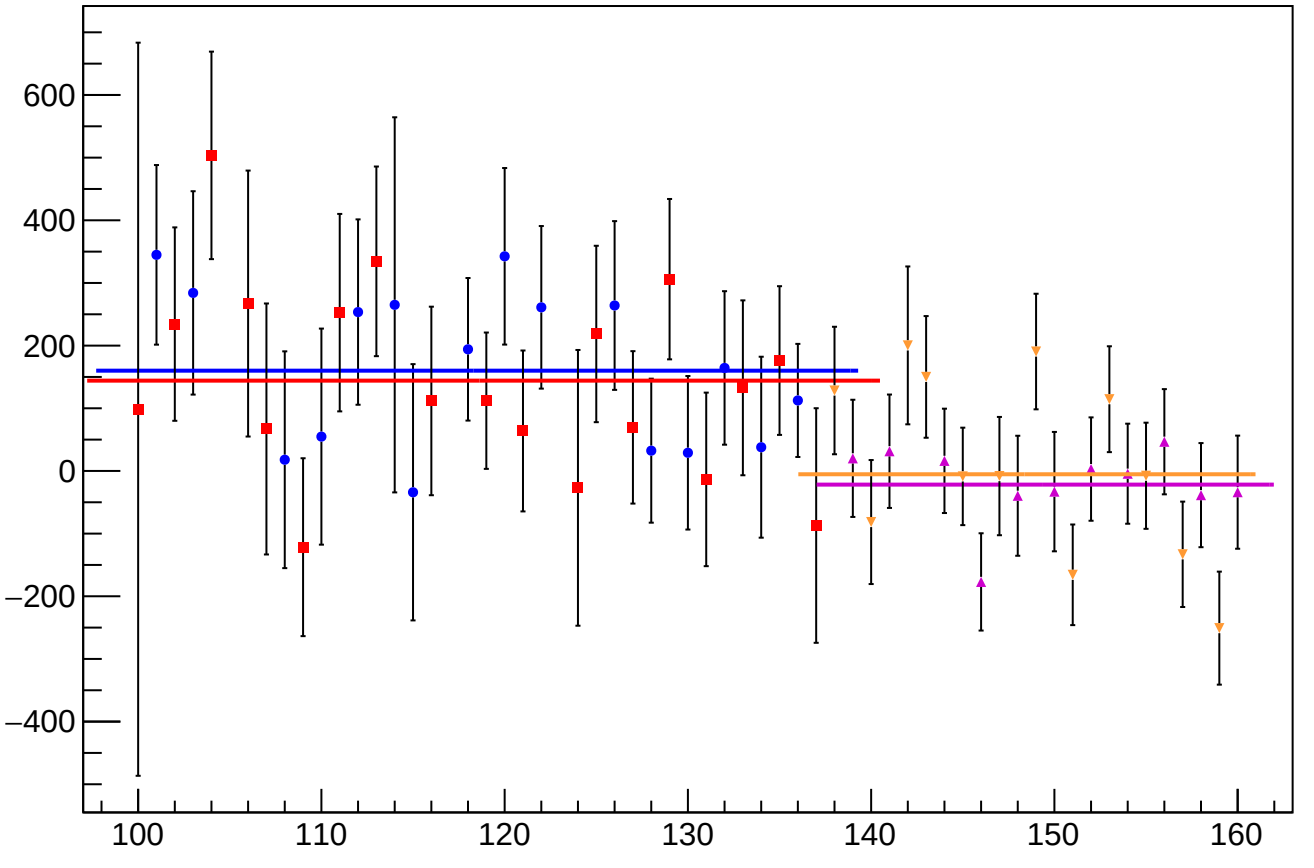
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:42.2/26

Out: -0.000+/-0.000 χ^2/NDF:27.6/30

All: -0.000+/-0.000 χ^2/NDF: 71.0/57


asym_sam_15_37_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: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1172026.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:553635.9/10
Left: 0.000+/-0.000 χ²/NDF: 1872955.1/22
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3832160.3/26
Out: 0.000+/-0.000 χ²/NDF:4650438.5/30
All: 0.000+/-0.000 χ²/NDF: 8749566.9/57



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: -21.812+/-26.000 χ^2/NDF:5.7/10

Left: -13.598+/-18.439 χ^2/NDF: 33.7/22

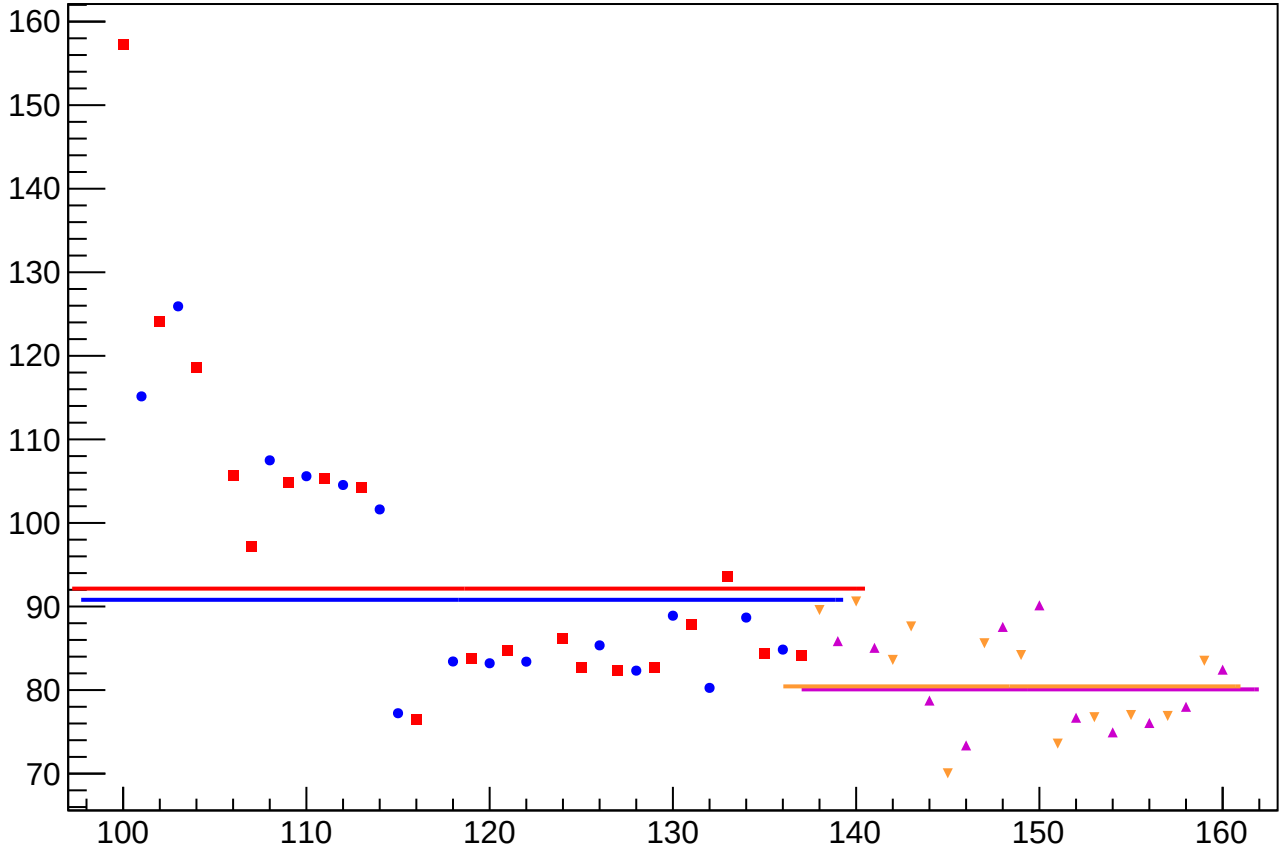
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 44.863+/-20.691 χ^2/NDF:34.7/26

Out: 49.816+/-20.778 χ^2/NDF:57.2/30

All: 47.329+/-14.661 χ^2/NDF: 91.9/57

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: 80.082+/-0.018 χ^2/NDF:82497.7/10

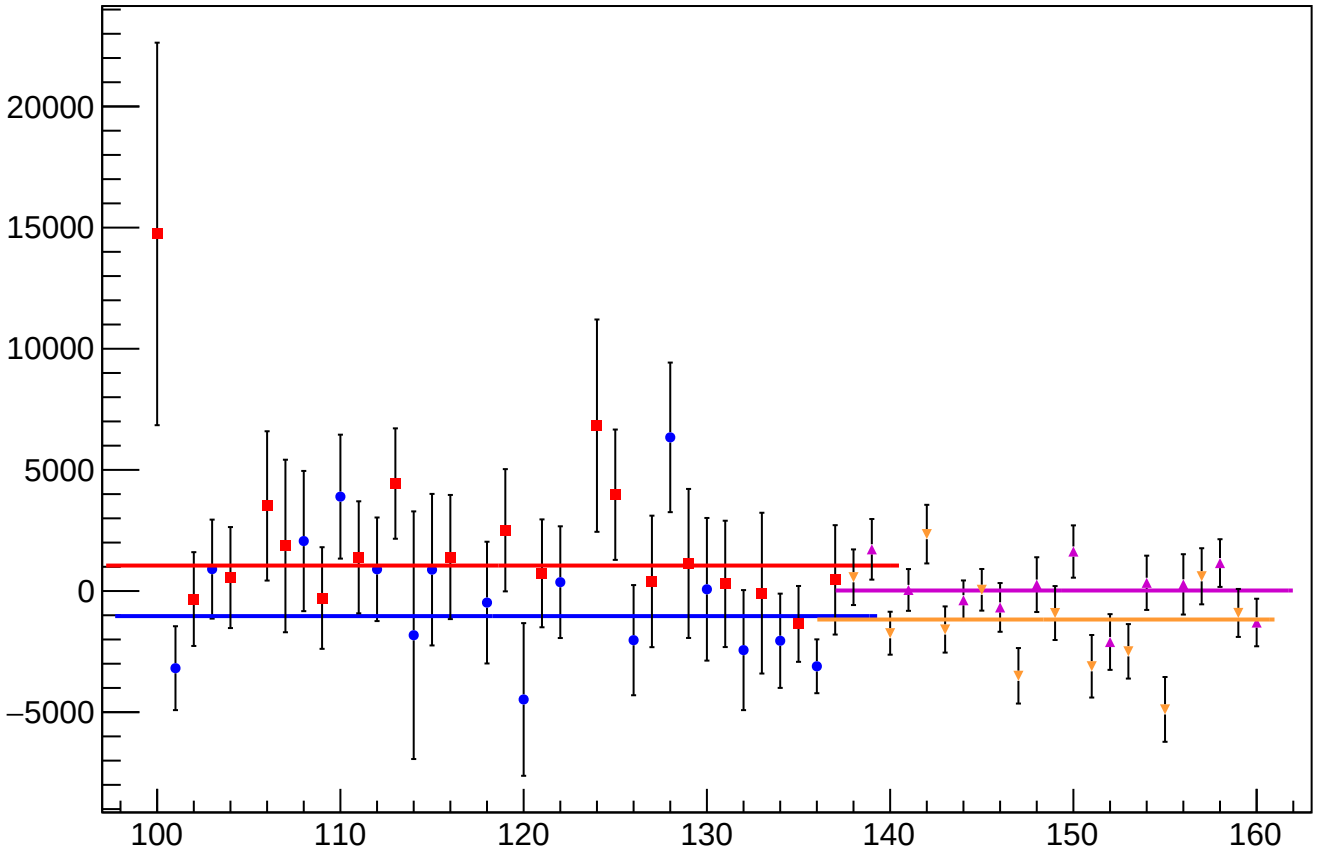
Left: 80.260+/-0.013 χ^2/NDF: 204681.9/22

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 84.013+/-0.015 χ^2/NDF:479911.1/26

Out: 84.755+/-0.015 χ^2/NDF:571692.8/30

All: 84.383+/-0.010 χ^2/NDF: 1052886.3/57



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: 21.815+/-310.398 χ^2/NDF:11.5/10

Left: -579.184+/-219.077 χ^2/NDF: 50.3/22

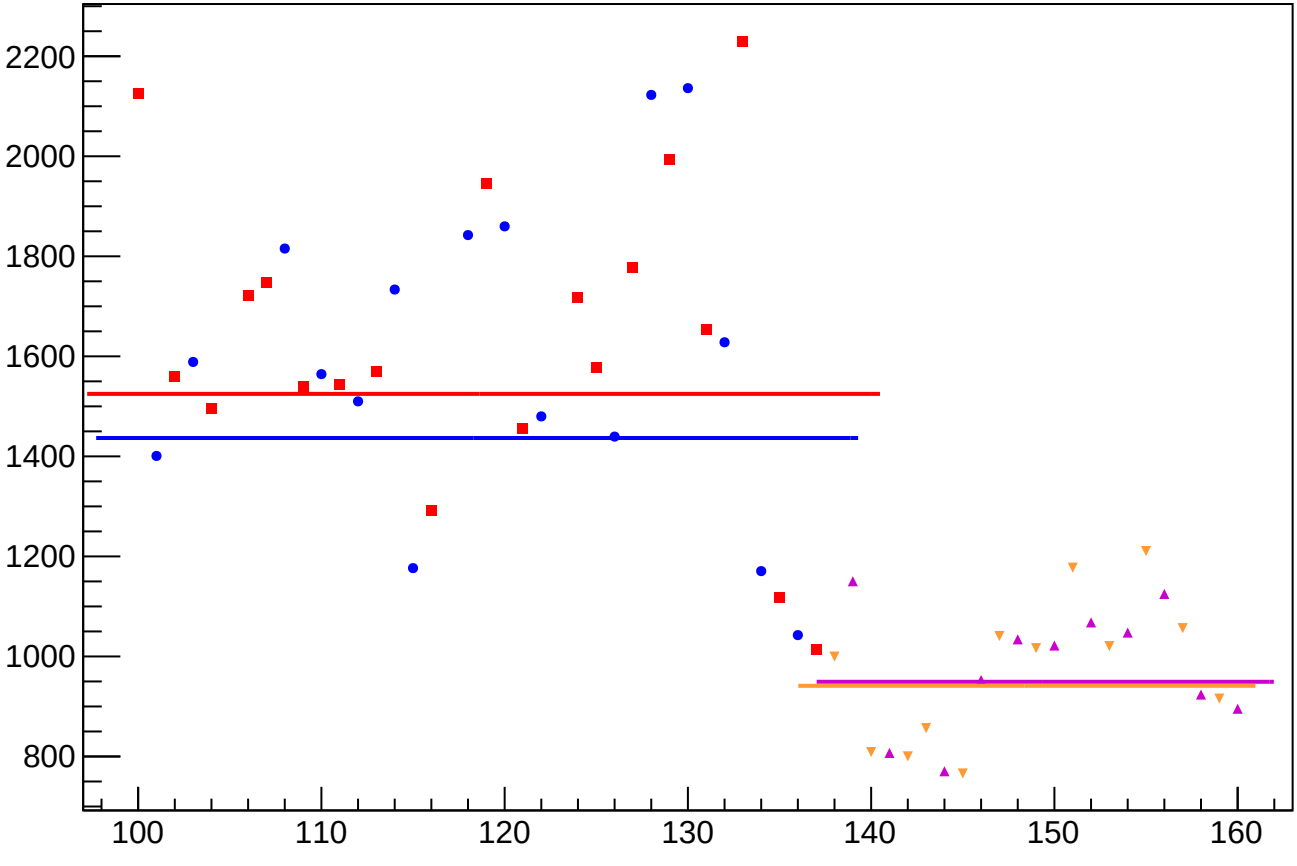
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -233.335+/-270.345 χ^2/NDF:34.5/26

Out: -667.770+/-271.704 χ^2/NDF:56.1/30

All: -449.463+/-191.641 χ^2/NDF: 91.9/57

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



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: 949.381+/-0.219 χ^2/NDF:306170.2/10

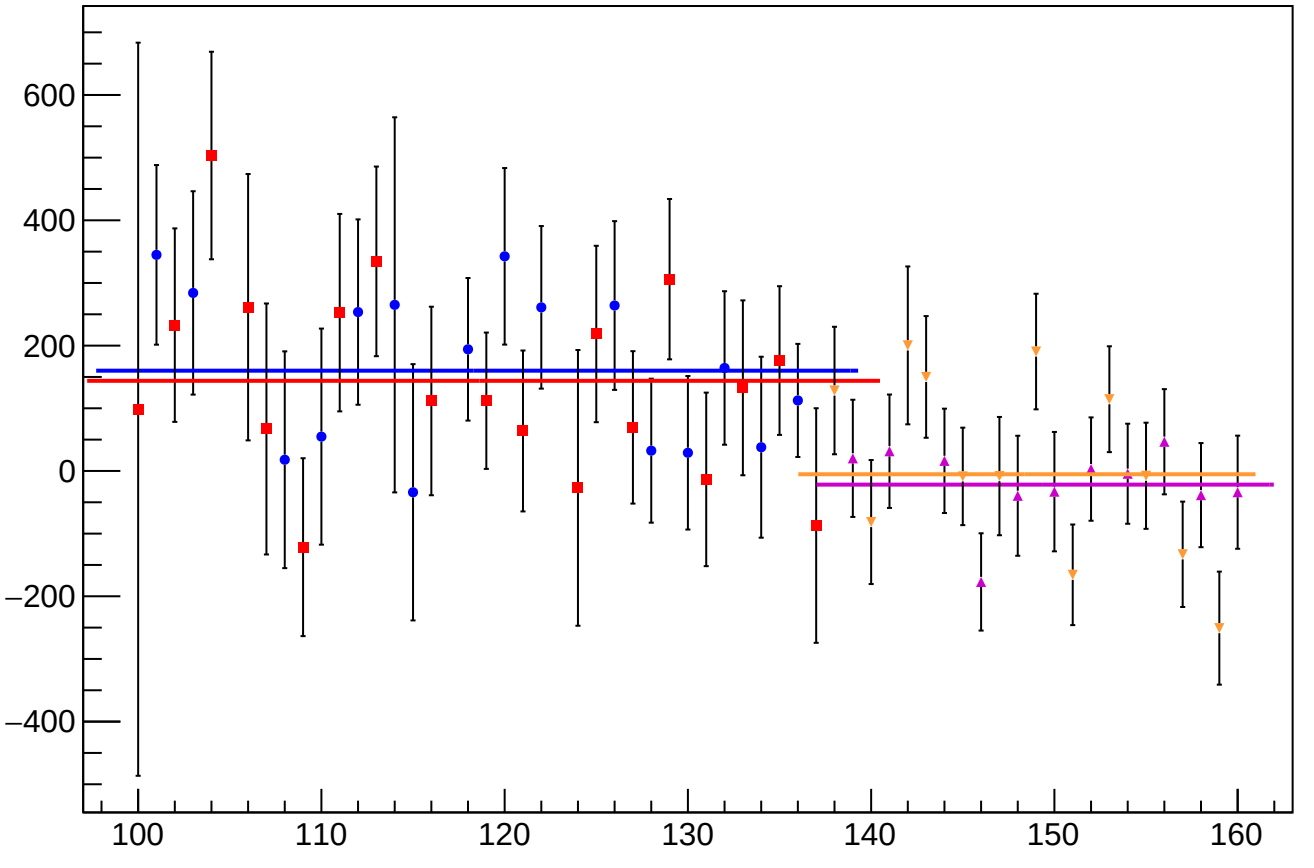
Left: 945.342+/-0.155 χ^2/NDF: 686465.9/22

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1067.041+/-0.191 χ^2/NDF:2172160.8/26

Out: 1074.439+/-0.192 χ^2/NDF:2508792.1/30

All: 1070.721+/-0.136 χ^2/NDF: 4681698.1/57



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: -21.813+/-26.000 χ^2/NDF:5.7/10

Left: -13.596+/-18.439 χ^2/NDF: 33.7/22

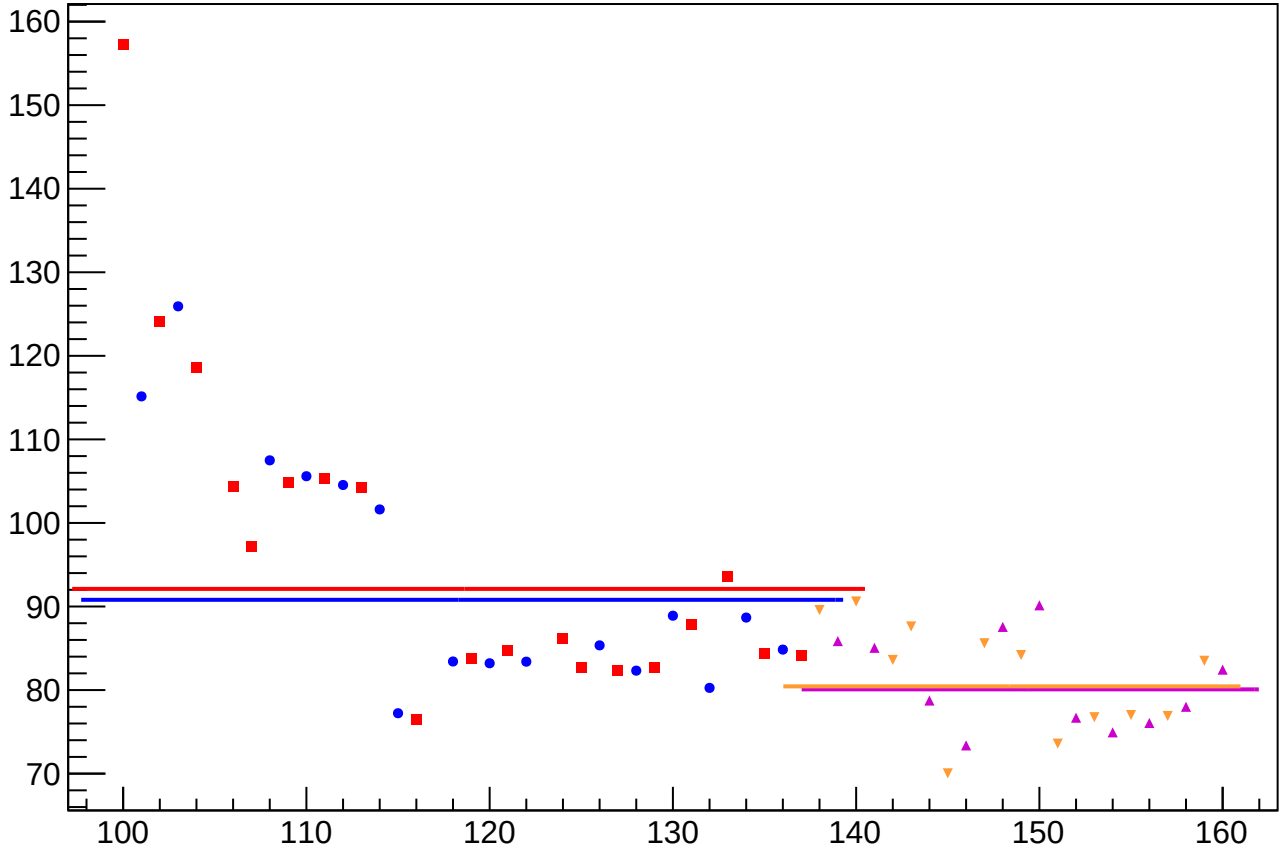
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 44.861+/-20.691 χ^2/NDF:34.7/26

Out: 49.721+/-20.778 χ^2/NDF:57.1/30

All: 47.281+/-14.662 χ^2/NDF: 91.8/57

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.440+/-0.018 χ^2/NDF:121996.4/11

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

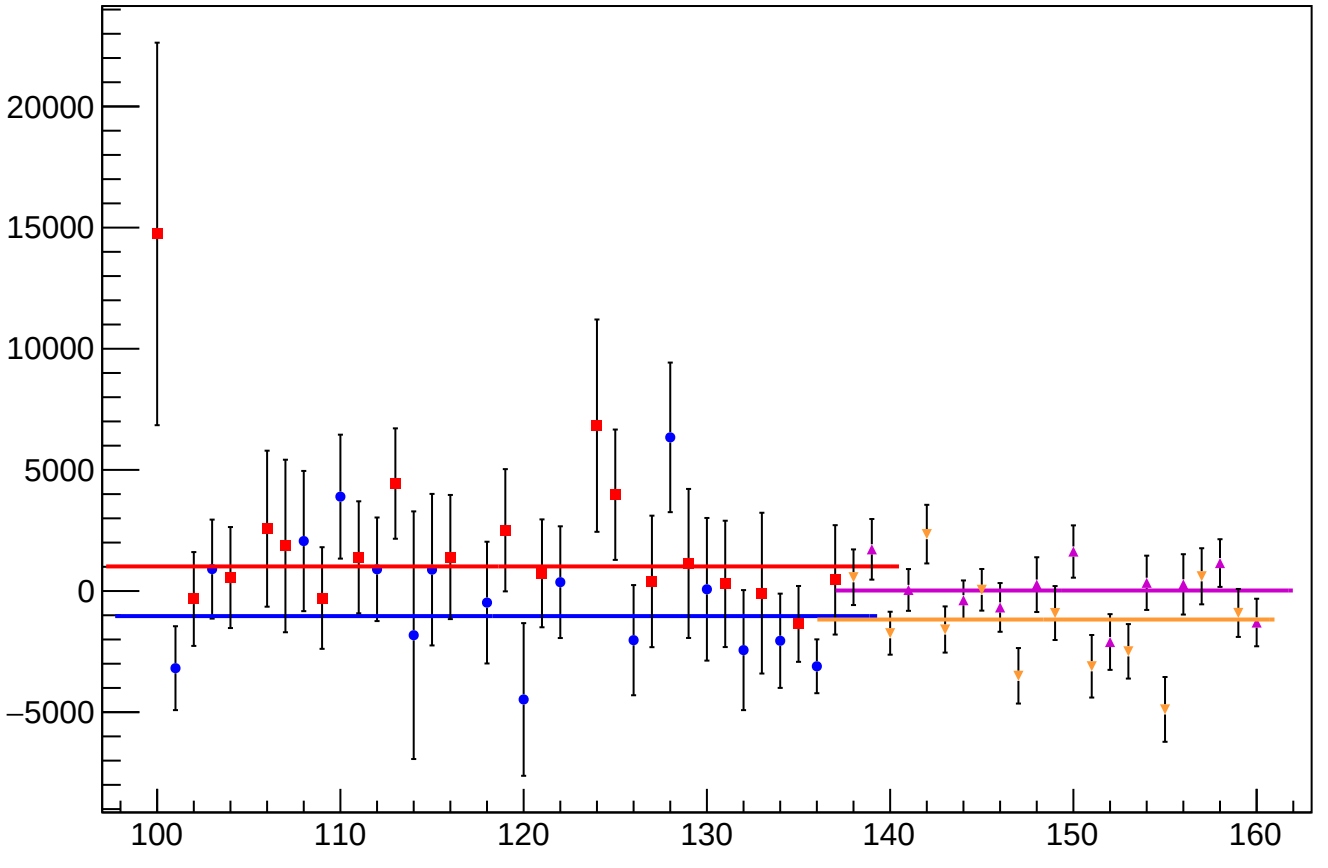
Left: 80.260+/-0.013 χ^2/NDF: 204682.0/22

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.013+/-0.015 χ^2/NDF:479913.1/26

Out: 84.743+/-0.015 χ^2/NDF:569583.1/30

All: 84.376+/-0.010 χ^2/NDF: 1050735.6/57



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: 21.819+/-310.398 χ^2/NDF:11.5/10

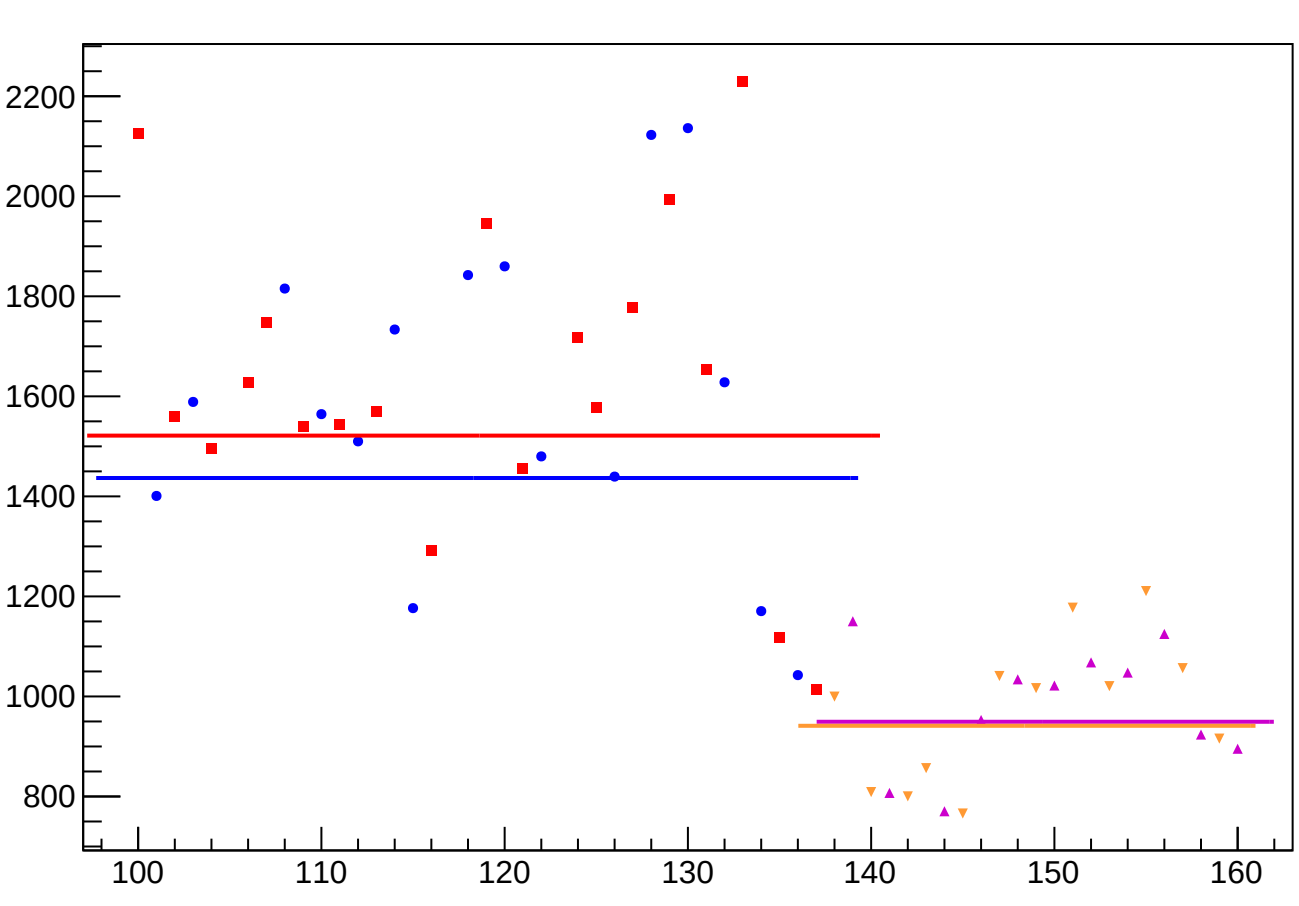
Left: -579.179+/-219.077 χ^2/NDF: 50.3/22

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -233.325+/-270.345 χ^2/NDF:34.5/26

Out: -677.140+/-271.796 χ^2/NDF:55.2/30

All: -454.045+/-191.674 χ^2/NDF: 91.1/57



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: 949.381+/-0.219 χ^2/NDF:306169.9/10

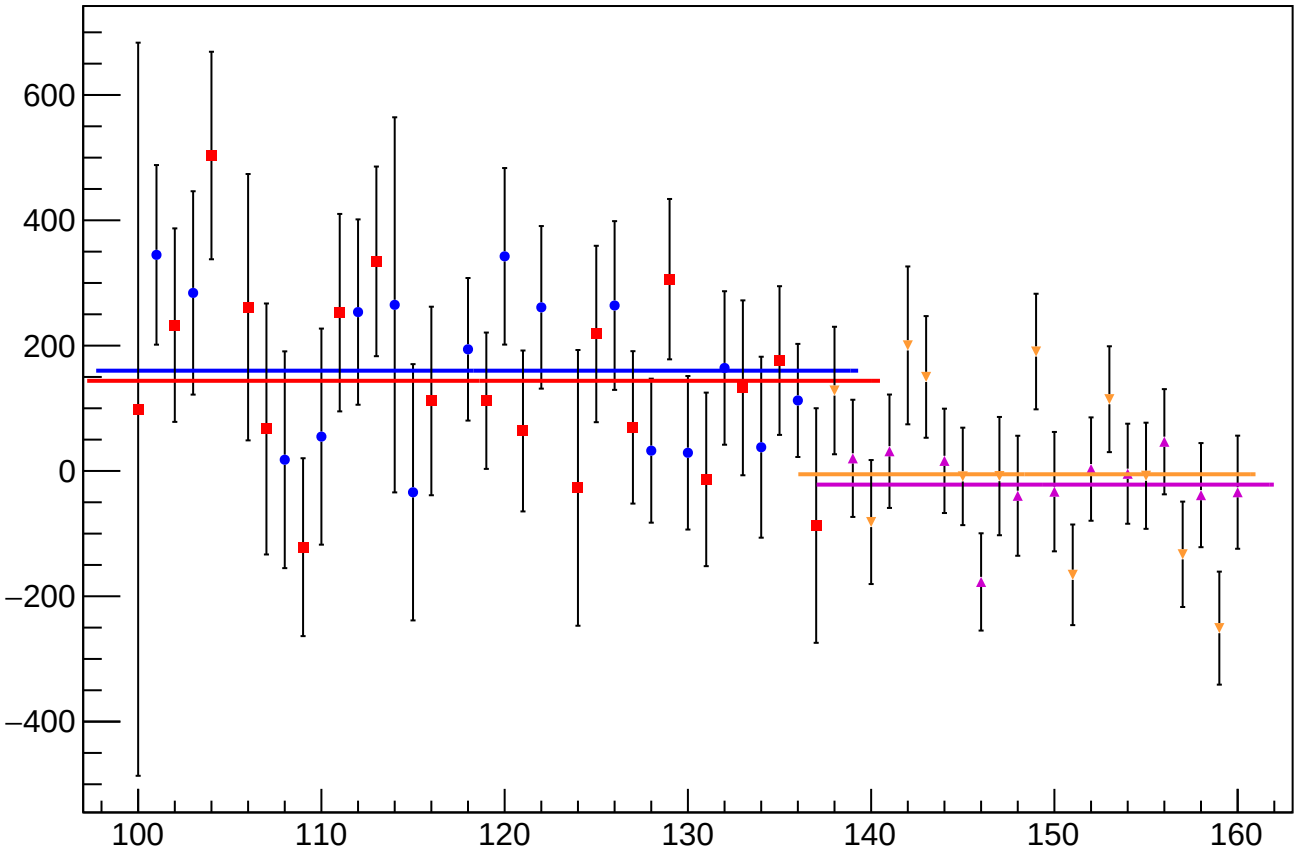
Left: 945.342+/-0.155 χ^2/NDF: 686466.7/22

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1067.041+/-0.191 χ^2/NDF:2172179.7/26

Out: 1073.349+/-0.192 χ^2/NDF:2479747.6/30

All: 1070.179+/-0.136 χ^2/NDF: 4652468.9/57



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: -21.813+/-26.000 χ^2/NDF:5.7/10

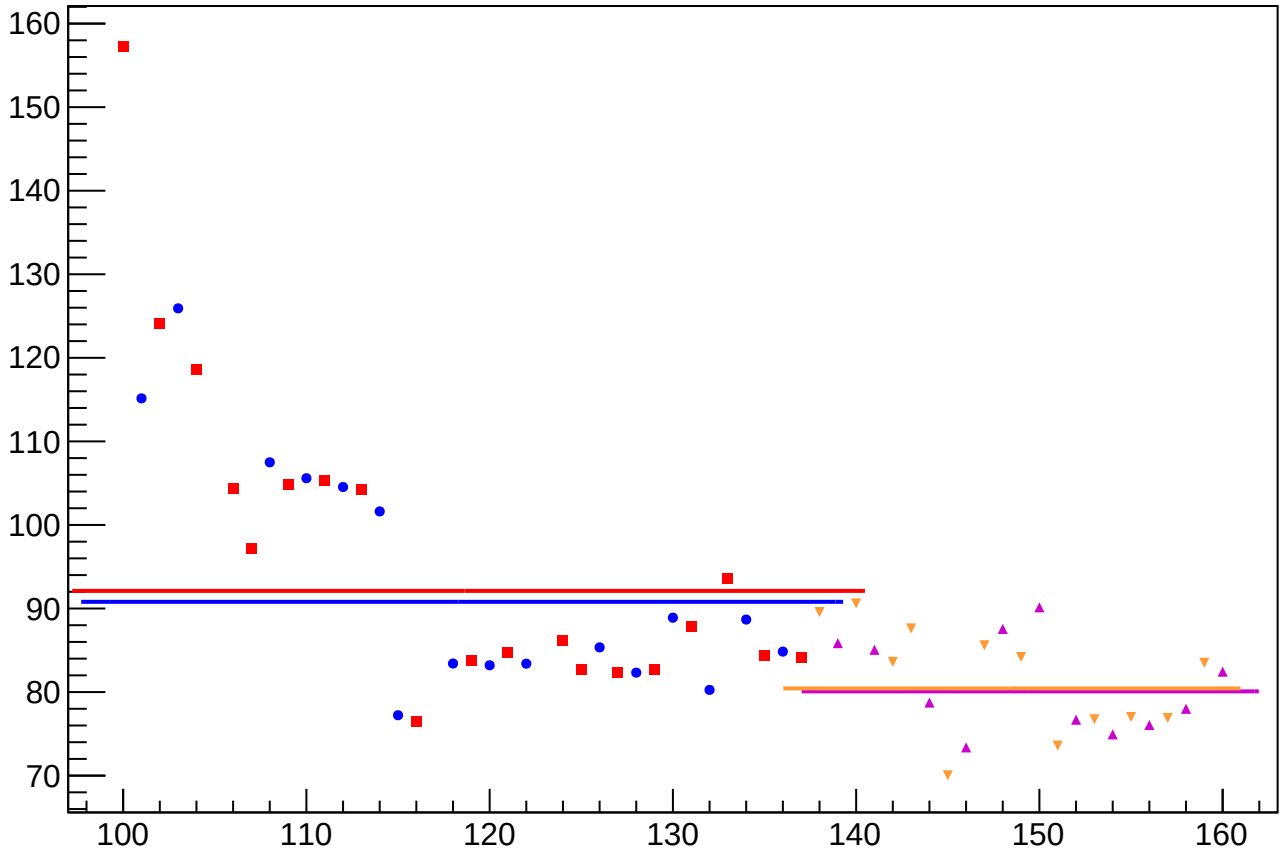
Left: -13.596+/-18.439 χ^2/NDF: 33.7/22

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 44.861+/-20.691 χ^2/NDF:34.7/26

Out: 49.721+/-20.778 χ^2/NDF:57.1/30

All: 47.281+/-14.662 χ^2/NDF: 91.8/57



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: 80.082+/-0.018 χ^2/NDF:82497.7/10

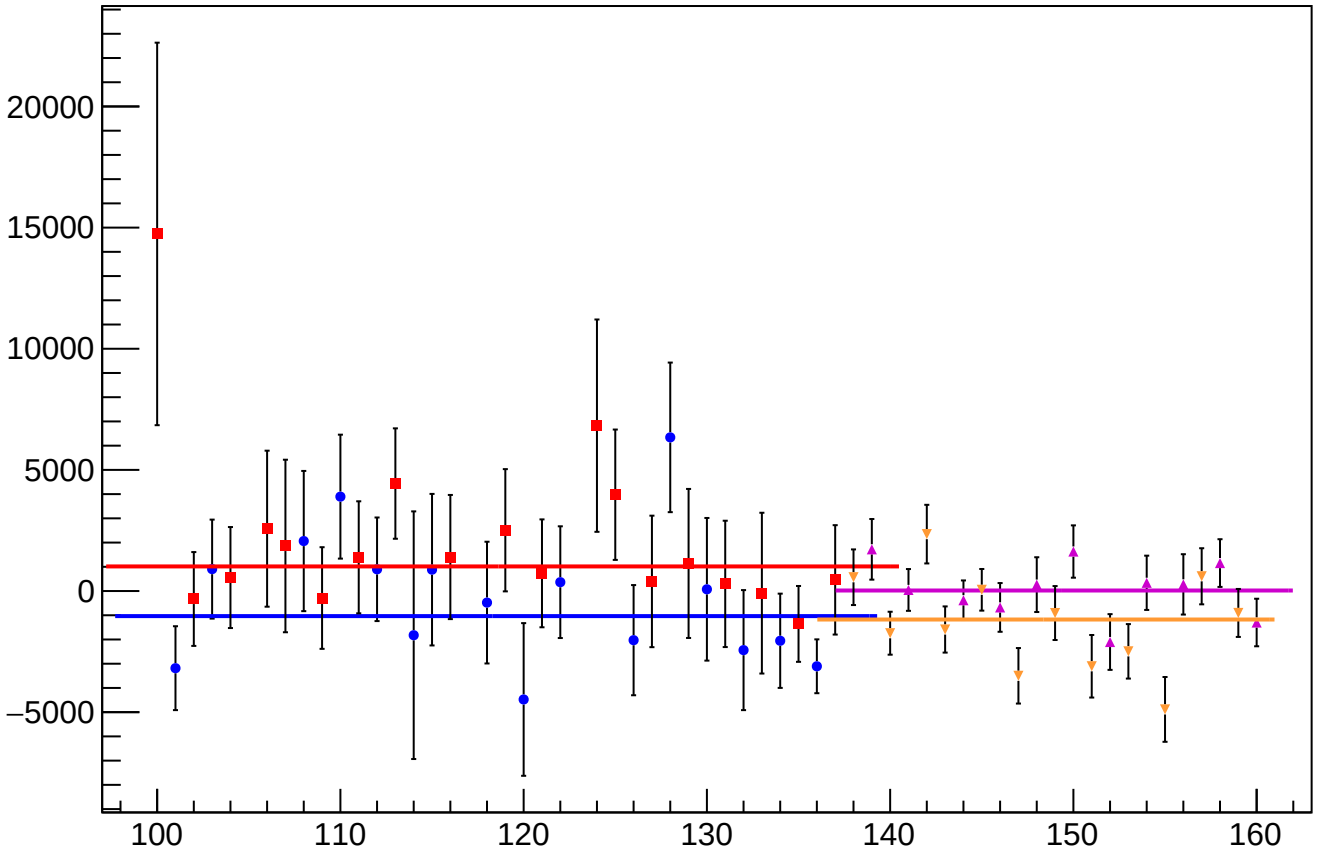
Left: 80.260+/-0.013 χ^2/NDF: 204682.0/22

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.013+/-0.015 χ^2/NDF:479913.1/26

Out: 84.743+/-0.015 χ^2/NDF:569583.1/30

All: 84.376+/-0.010 χ^2/NDF: 1050735.6/57



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: 21.819+/-310.398 χ^2/NDF:11.5/10

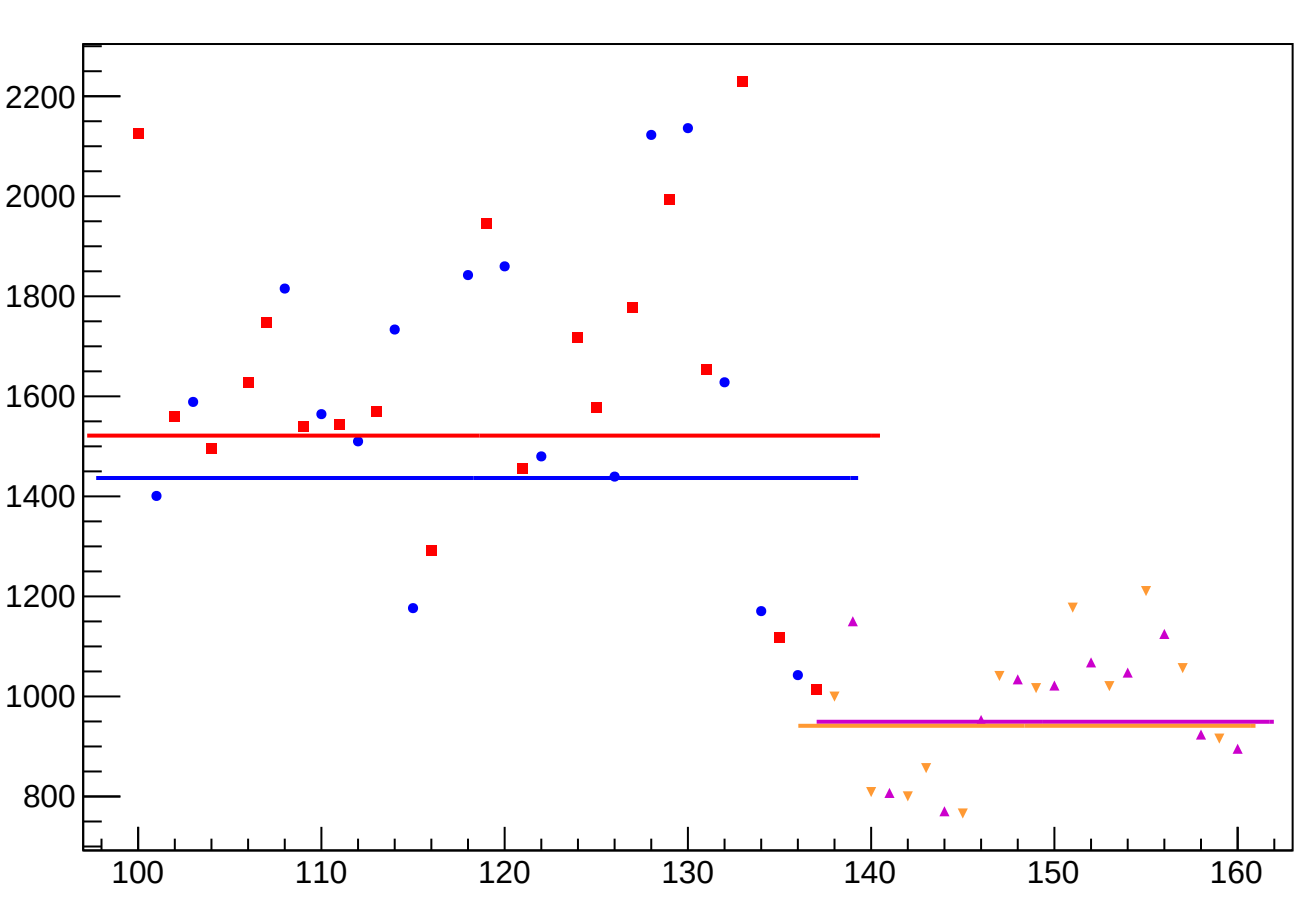
Left: -579.179+/-219.077 χ^2/NDF: 50.3/22

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -233.325+/-270.345 χ^2/NDF:34.5/26

Out: -677.140+/-271.796 χ^2/NDF:55.2/30

All: -454.045+/-191.674 χ^2/NDF: 91.1/57



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: 949.381+/-0.219 χ^2/NDF:306169.9/10

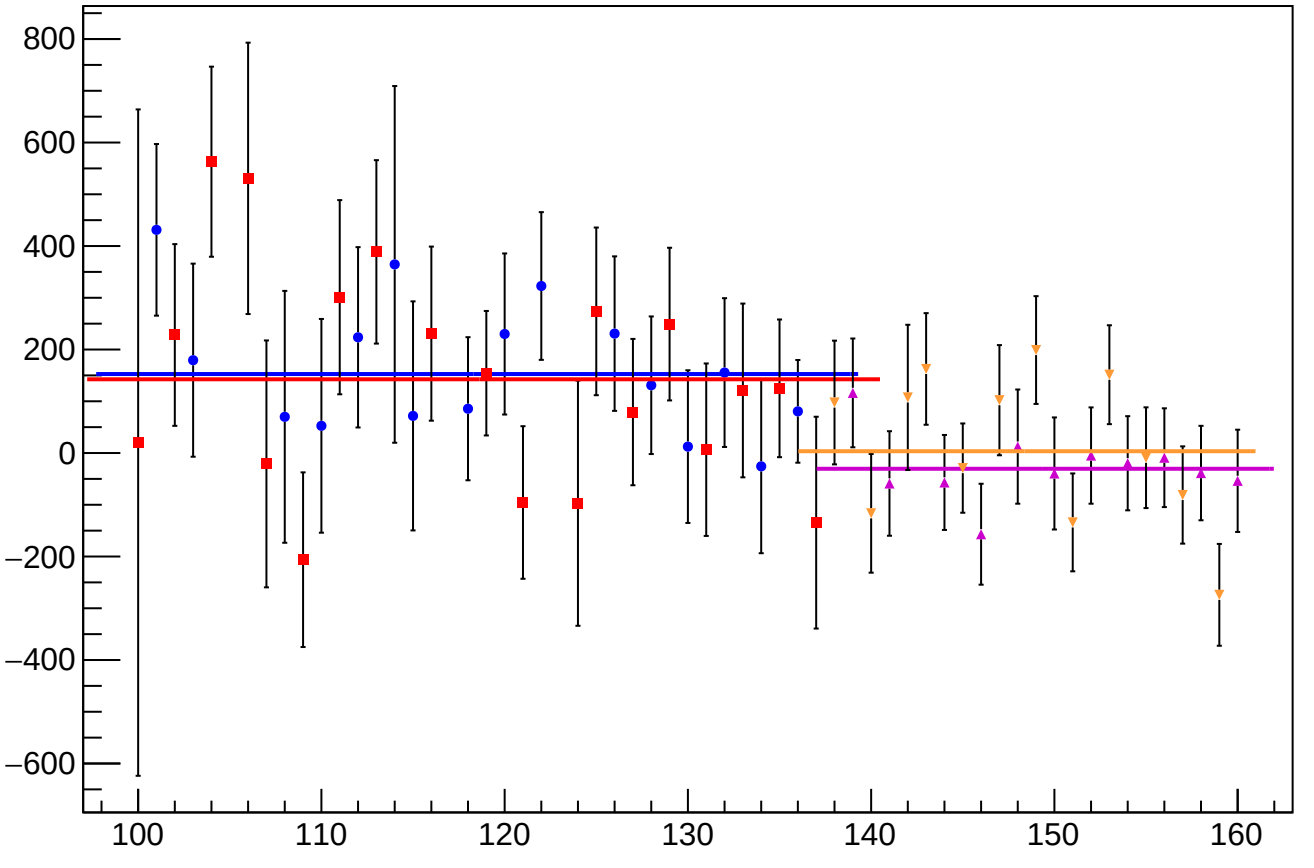
Left: 945.342+/-0.155 χ^2/NDF: 686466.7/22

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1067.041+/-0.191 χ^2/NDF:2172179.7/26

Out: 1073.349+/-0.192 χ^2/NDF:2479747.6/30

All: 1070.179+/-0.136 χ^2/NDF: 4652468.9/57



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 3.505+/-29.605 χ^2/NDF:22.3/11

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -30.437+/-29.509 χ^2/NDF:4.2/10

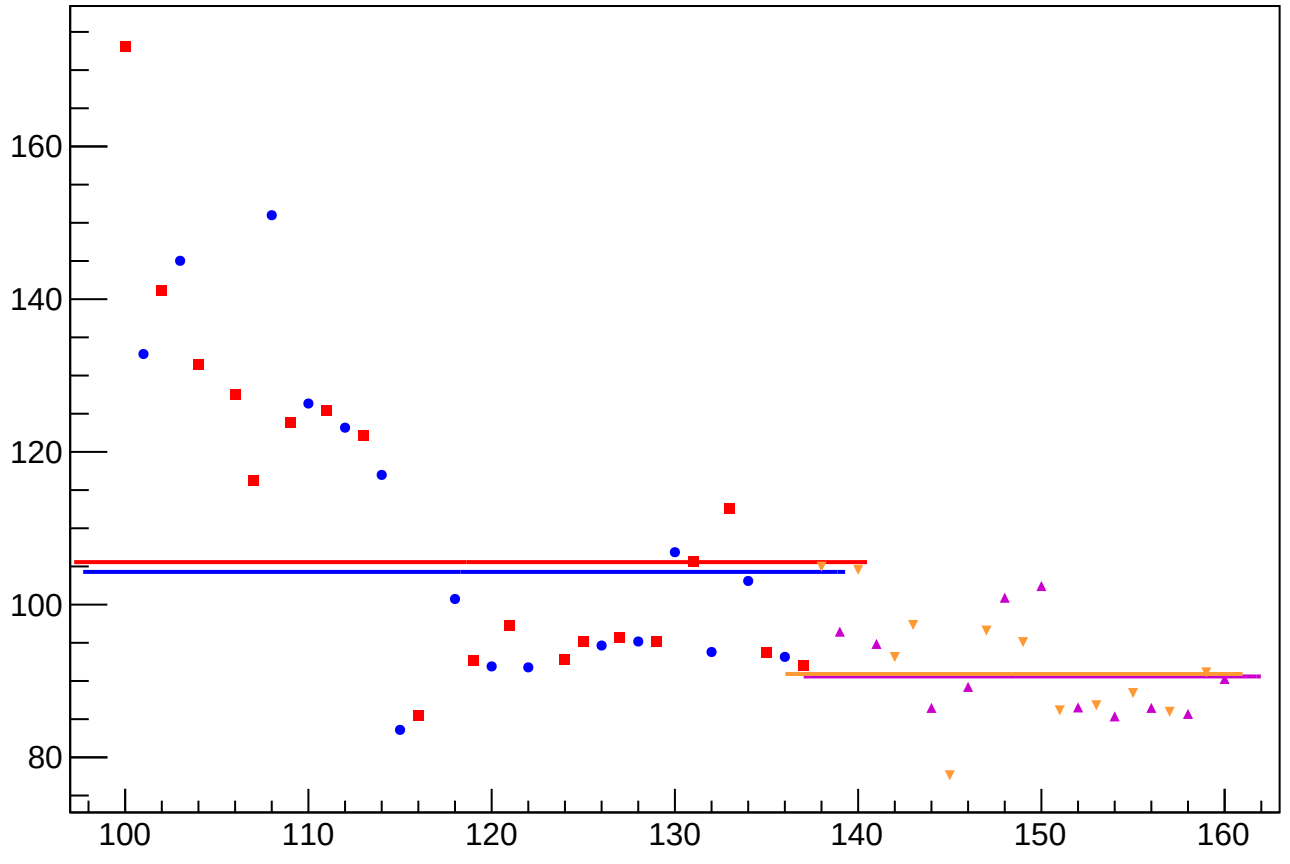
Left: -13.521+/-20.900 χ^2/NDF: 27.1/22

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 35.249+/-23.629 χ^2/NDF:26.6/26

Out: 53.759+/-23.655 χ^2/NDF:53.1/30

All: 44.494+/-16.718 χ^2/NDF: 80.0/57



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: 90.594+/-0.021 χ^2/NDF:75511.6/10

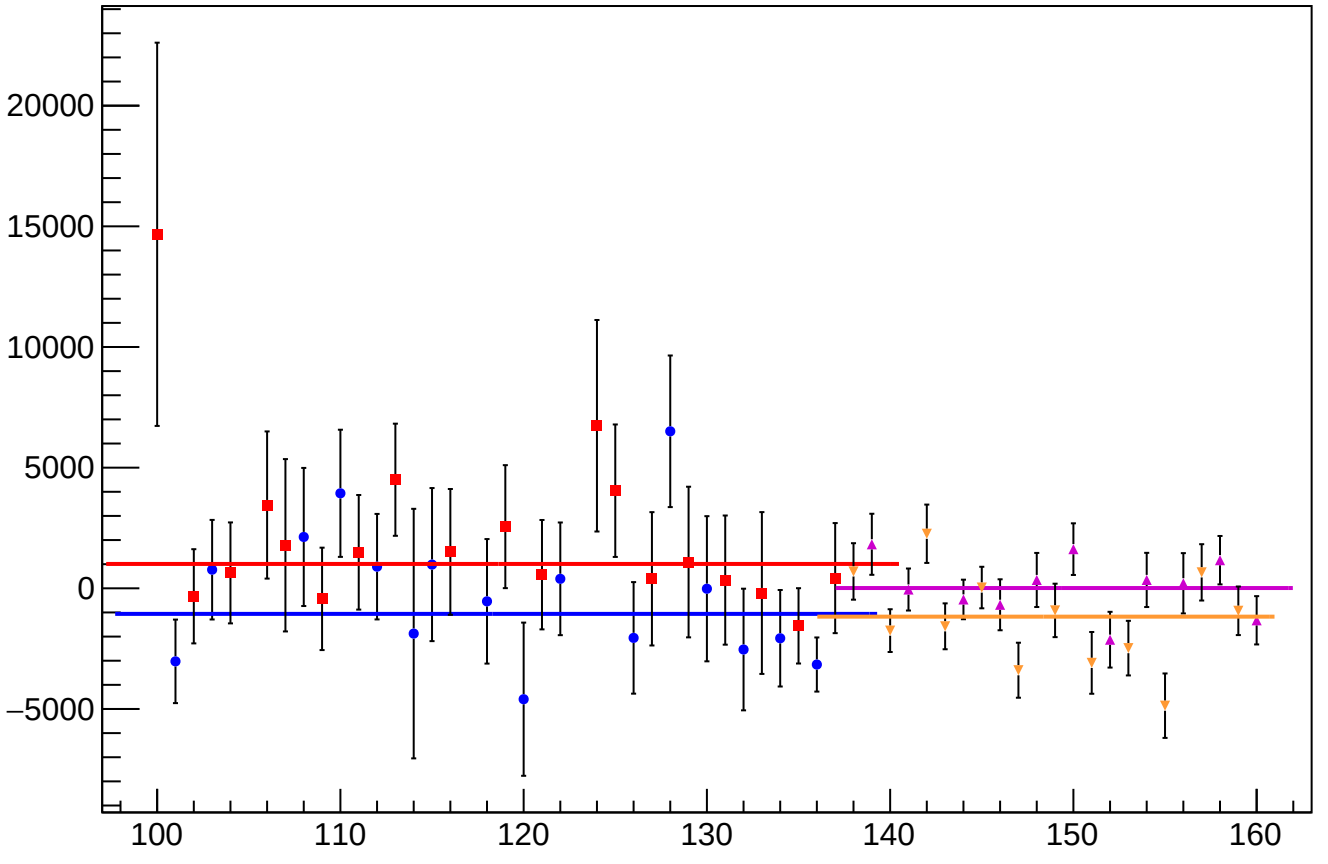
Left: 90.755+/-0.015 χ^2/NDF: 211011.5/22

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.507+/-0.017 χ^2/NDF:608322.8/26

Out: 96.214+/-0.017 χ^2/NDF:657109.9/30

All: 95.860+/-0.012 χ^2/NDF: 1266325.8/57



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: 11.535+/-313.489 χ^2/NDF:11.8/10

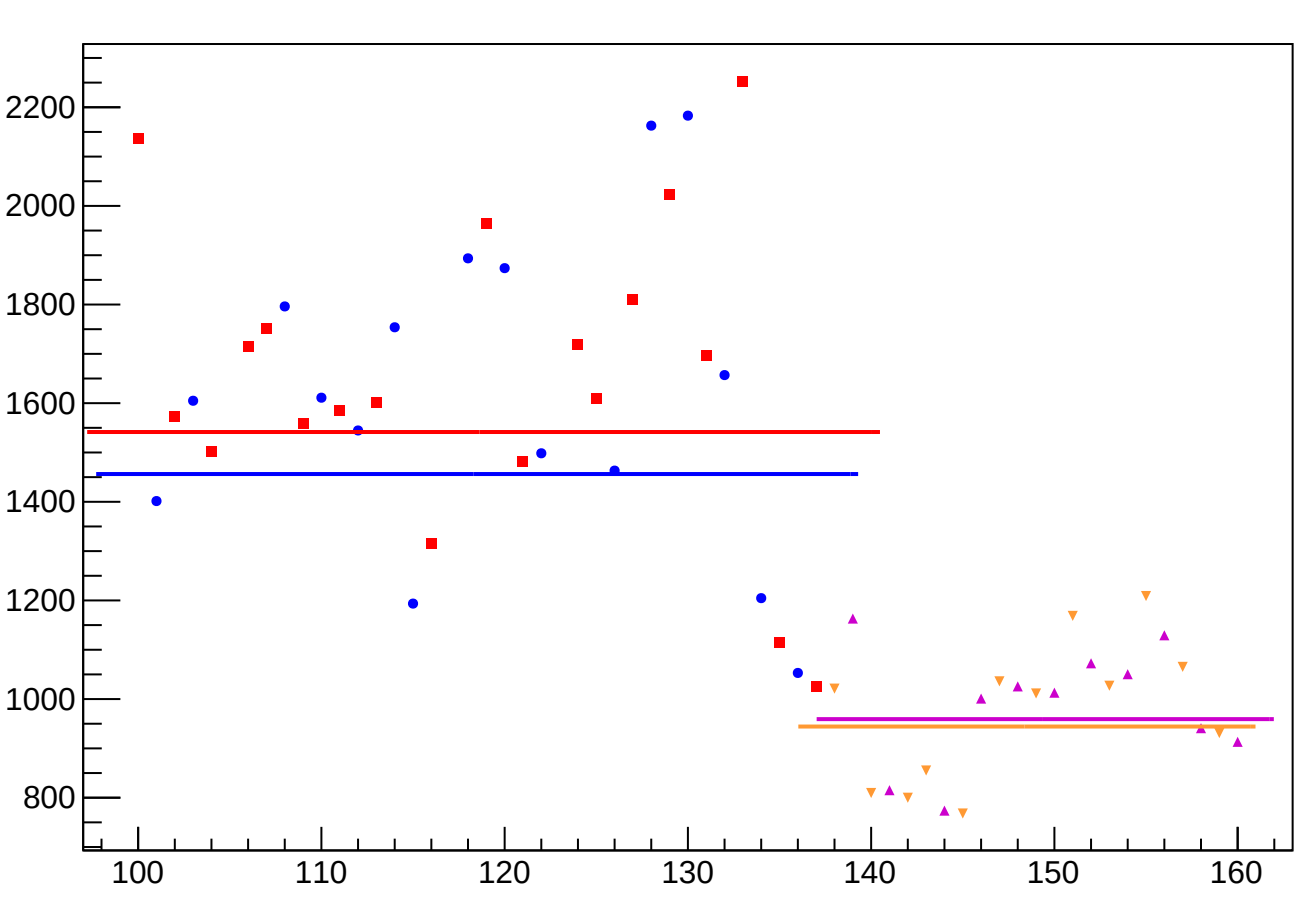
Left: -587.902+/-220.431 χ^2/NDF: 49.9/22

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -245.628+/-273.268 χ^2/NDF:34.7/26

Out: -682.370+/-272.889 χ^2/NDF:55.3/30

All: -464.302+/-193.096 χ^2/NDF: 91.2/57



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: 959.338+/-0.222 χ^2/NDF:298679.1/10

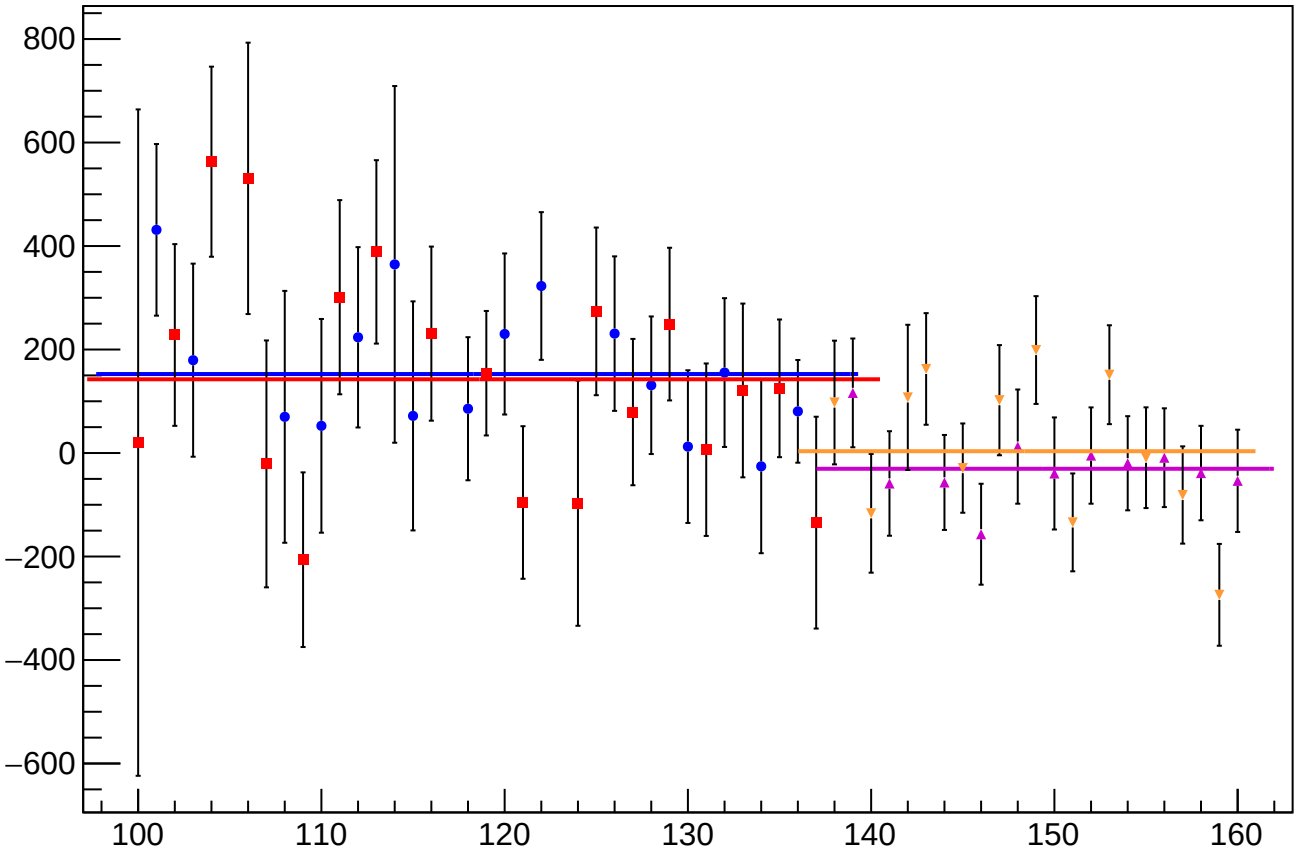
Left: 951.738+/-0.156 χ^2/NDF: 678844.4/22

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1078.678+/-0.193 χ^2/NDF:2190470.0/26

Out: 1078.774+/-0.193 χ^2/NDF:2568341.7/30

All: 1078.726+/-0.137 χ^2/NDF: 4758811.8/57



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: -30.438+/-29.509 χ^2/NDF:4.2/10

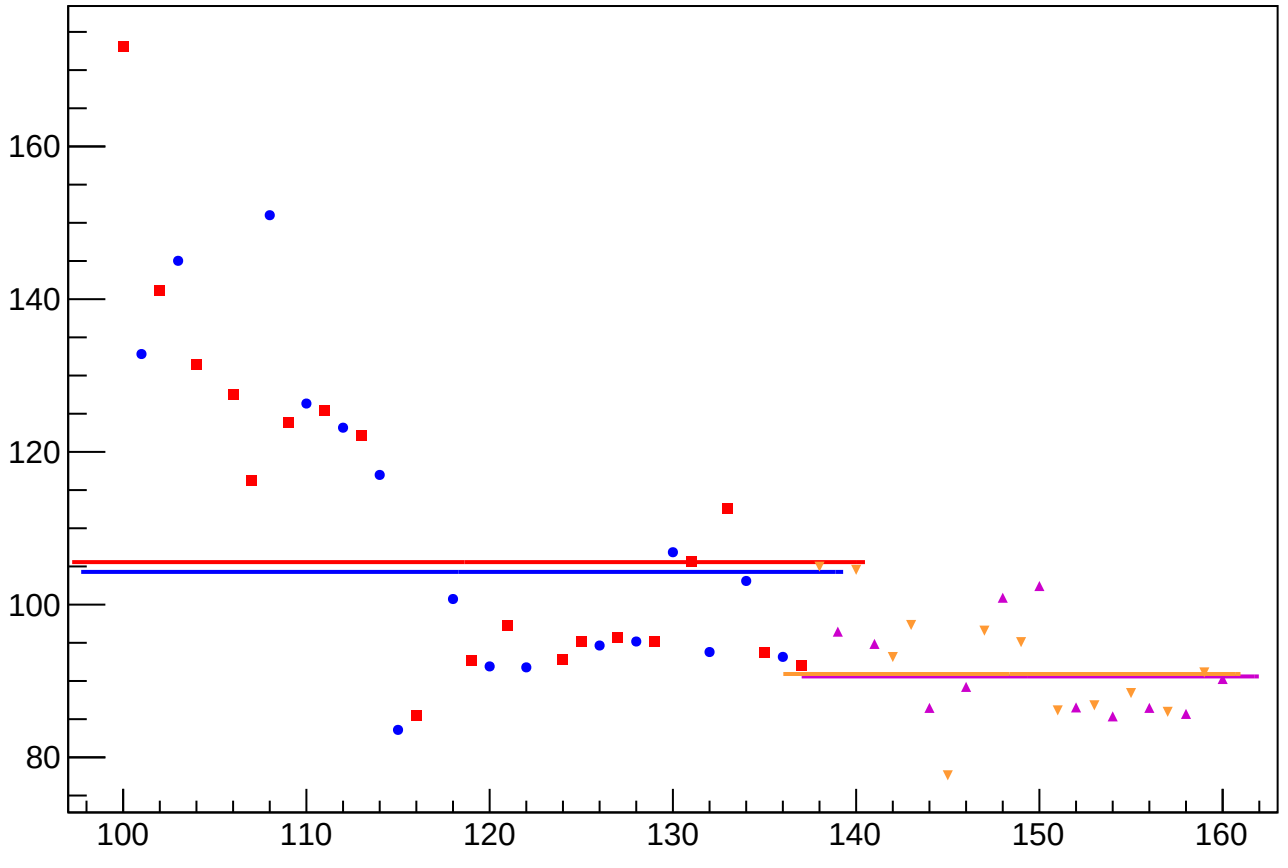
Left: -13.521+/-20.900 χ^2/NDF: 27.1/22

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 35.250+/-23.629 χ^2/NDF:26.6/26

Out: 53.759+/-23.655 χ^2/NDF:53.1/30

All: 44.495+/-16.717 χ^2/NDF: 80.0/57



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: 90.594+/-0.021 χ^2/NDF:75509.7/10

Left: 90.755+/-0.015 χ^2/NDF: 211005.6/22

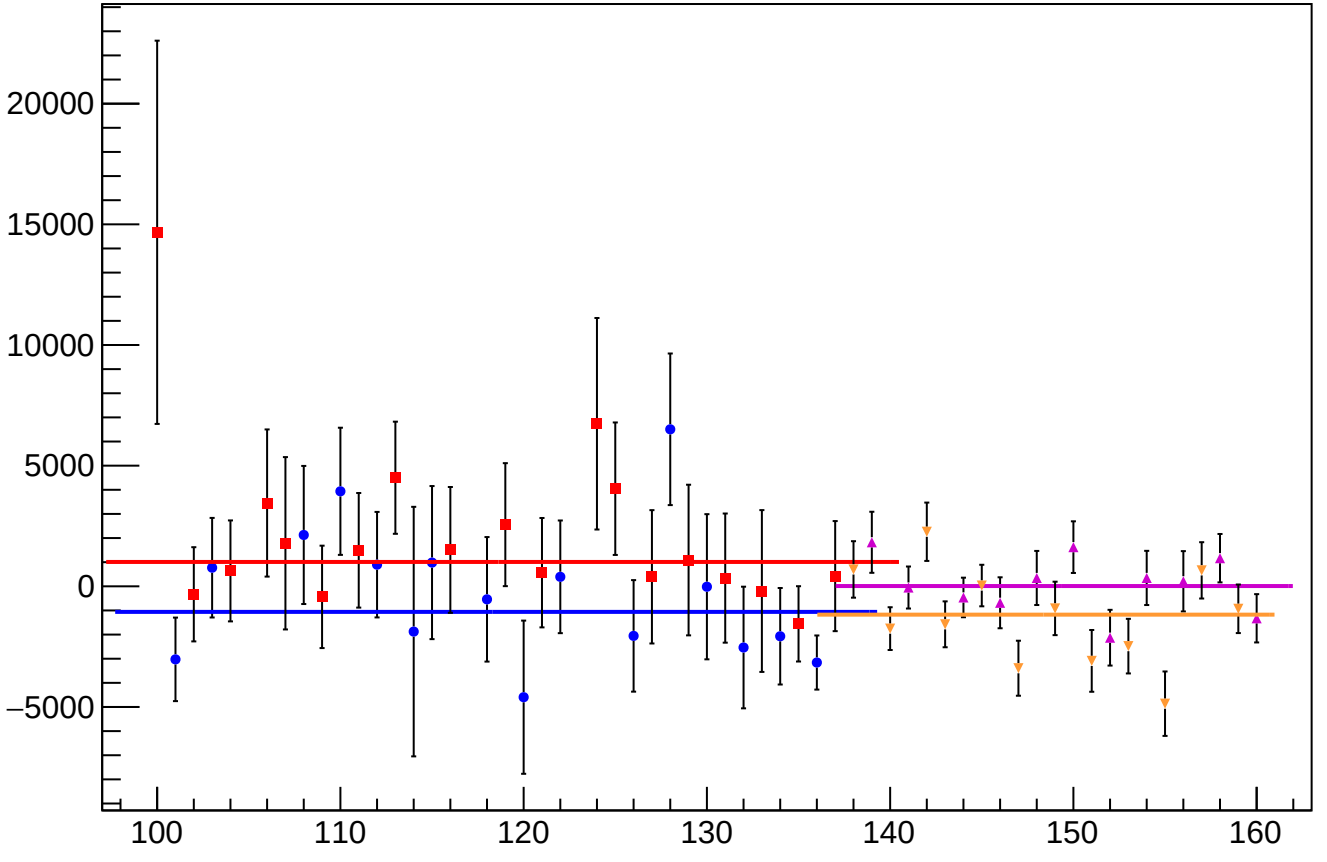
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.507+/-0.017 χ^2/NDF:608302.3/26

Out: 96.214+/-0.017 χ^2/NDF:657085.2/30

All: 95.860+/-0.012 χ^2/NDF: 1266281.1/57

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 11.535+/-313.488 χ^2/NDF:11.8/10

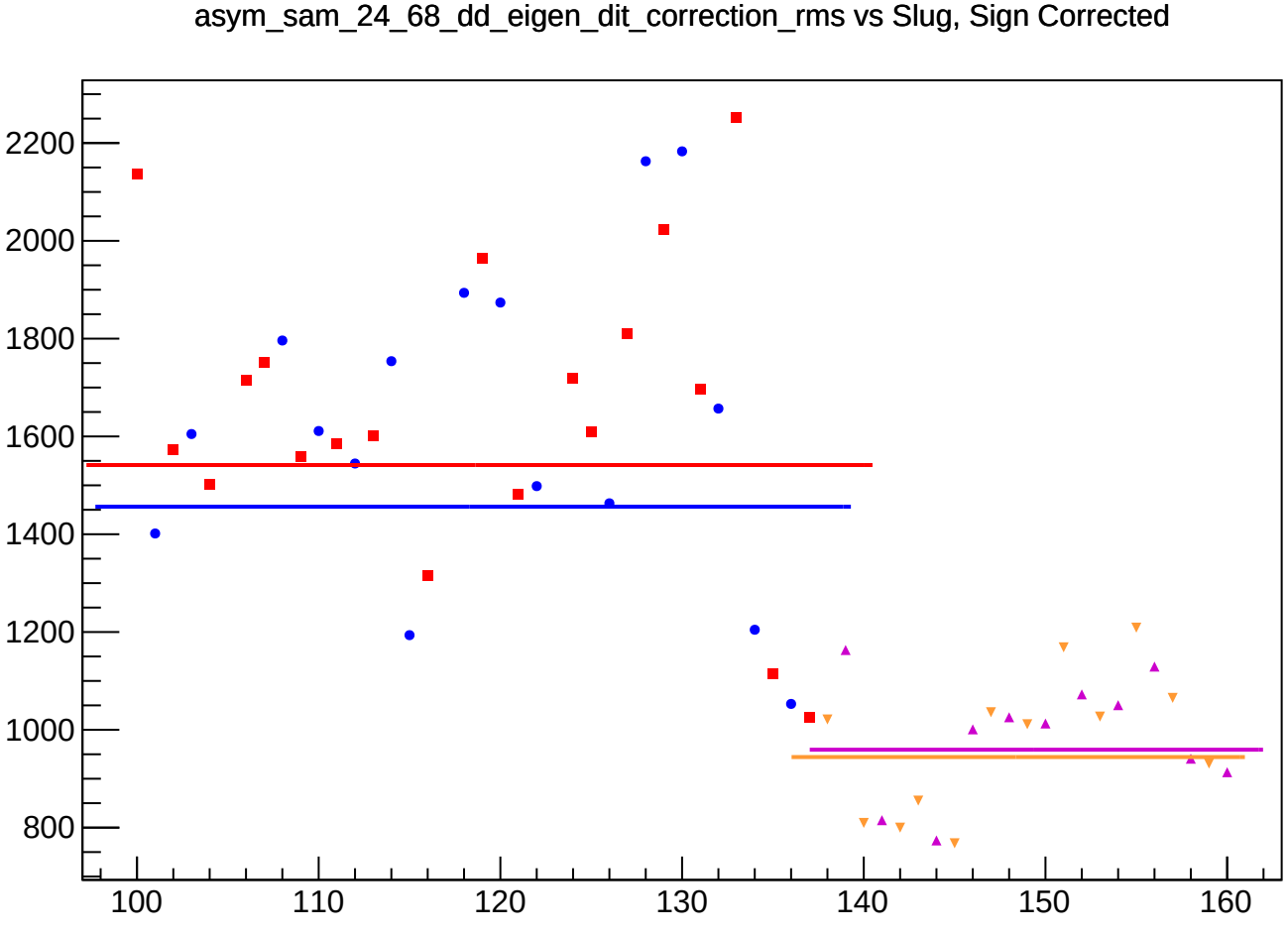
Left: -587.901+/-220.431 χ^2/NDF: 49.9/22

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -245.627+/-273.268 χ^2/NDF:34.7/26

Out: -682.369+/-272.889 χ^2/NDF:55.3/30

All: -464.301+/-193.095 χ^2/NDF: 91.2/57



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: 959.337+/-0.222 χ^2/NDF:298680.4/10

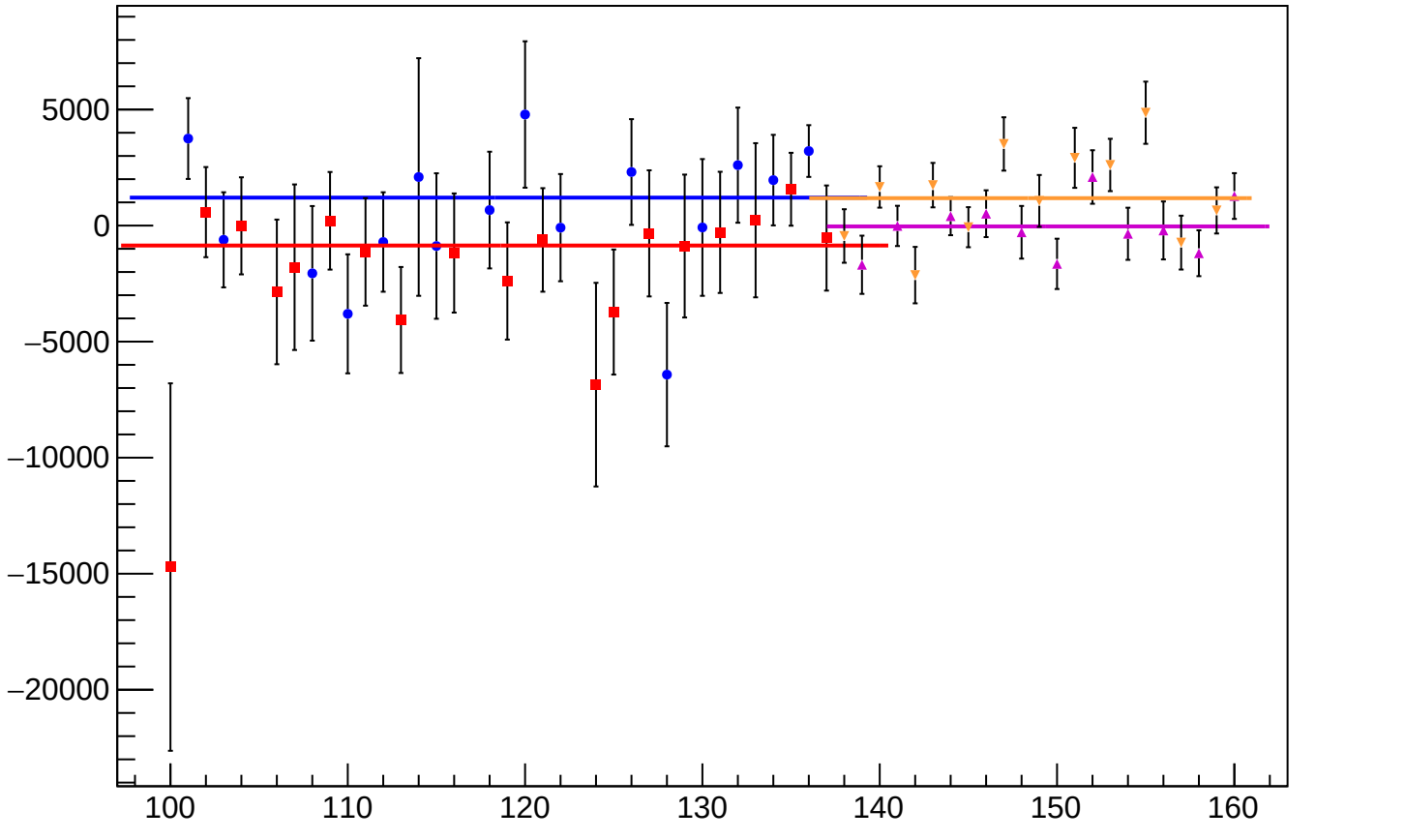
Left: 951.737+/-0.156 χ^2/NDF: 678848.8/22

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1078.677+/-0.193 χ^2/NDF:2190464.5/26

Out: 1078.773+/-0.193 χ^2/NDF:2568339.7/30

All: 1078.725+/-0.137 χ^2/NDF: 4758804.3/57



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: -35.464+/-311.611 χ^2/NDF:11.2/10

Left: 575.283+/-219.961 χ^2/NDF: 49.2/22

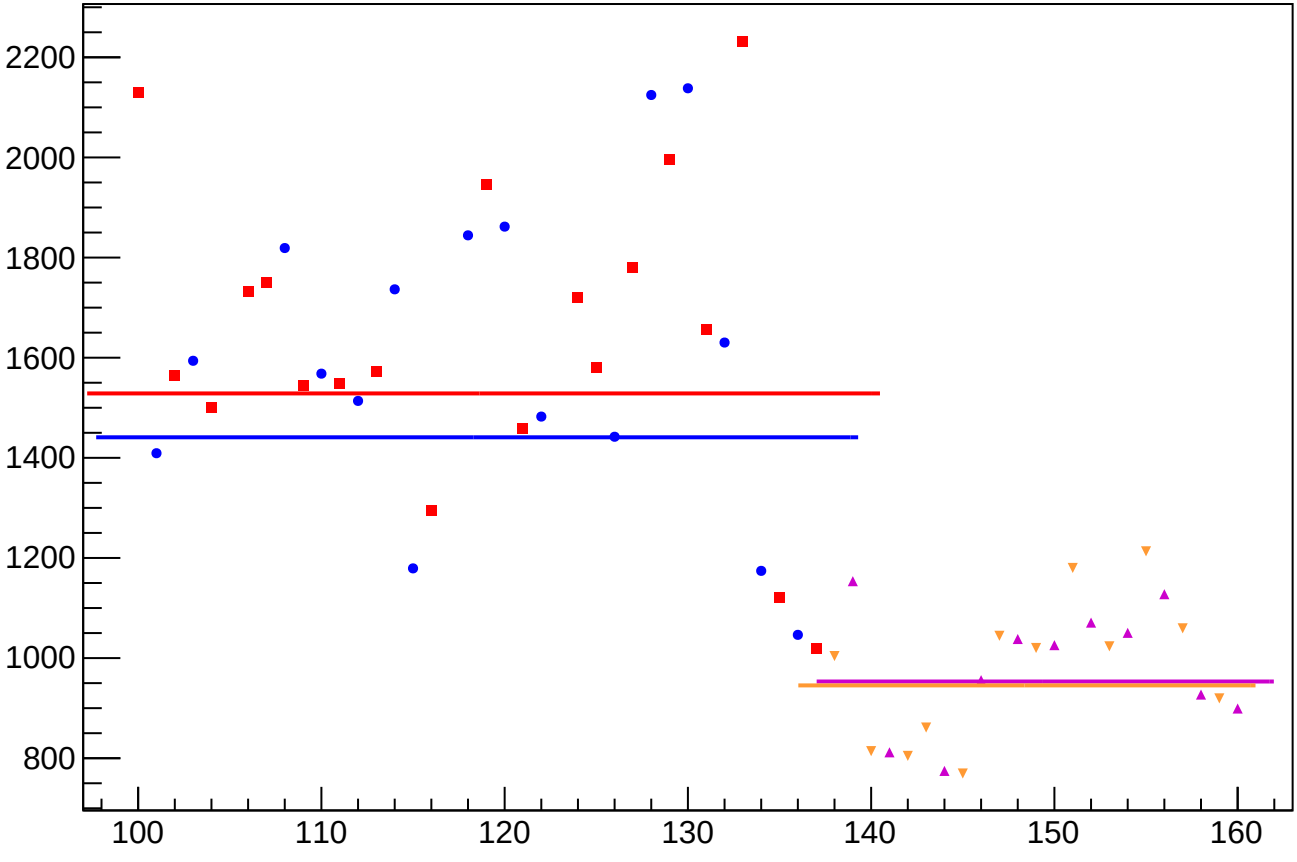
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 264.460+/-271.327 χ^2/NDF:36.2/26

Out: 715.155+/-272.735 χ^2/NDF:52.6/30

All: 488.641+/-192.353 χ^2/NDF: 90.2/57

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: 953.249+/-0.220 χ^2/NDF:301230.7/10

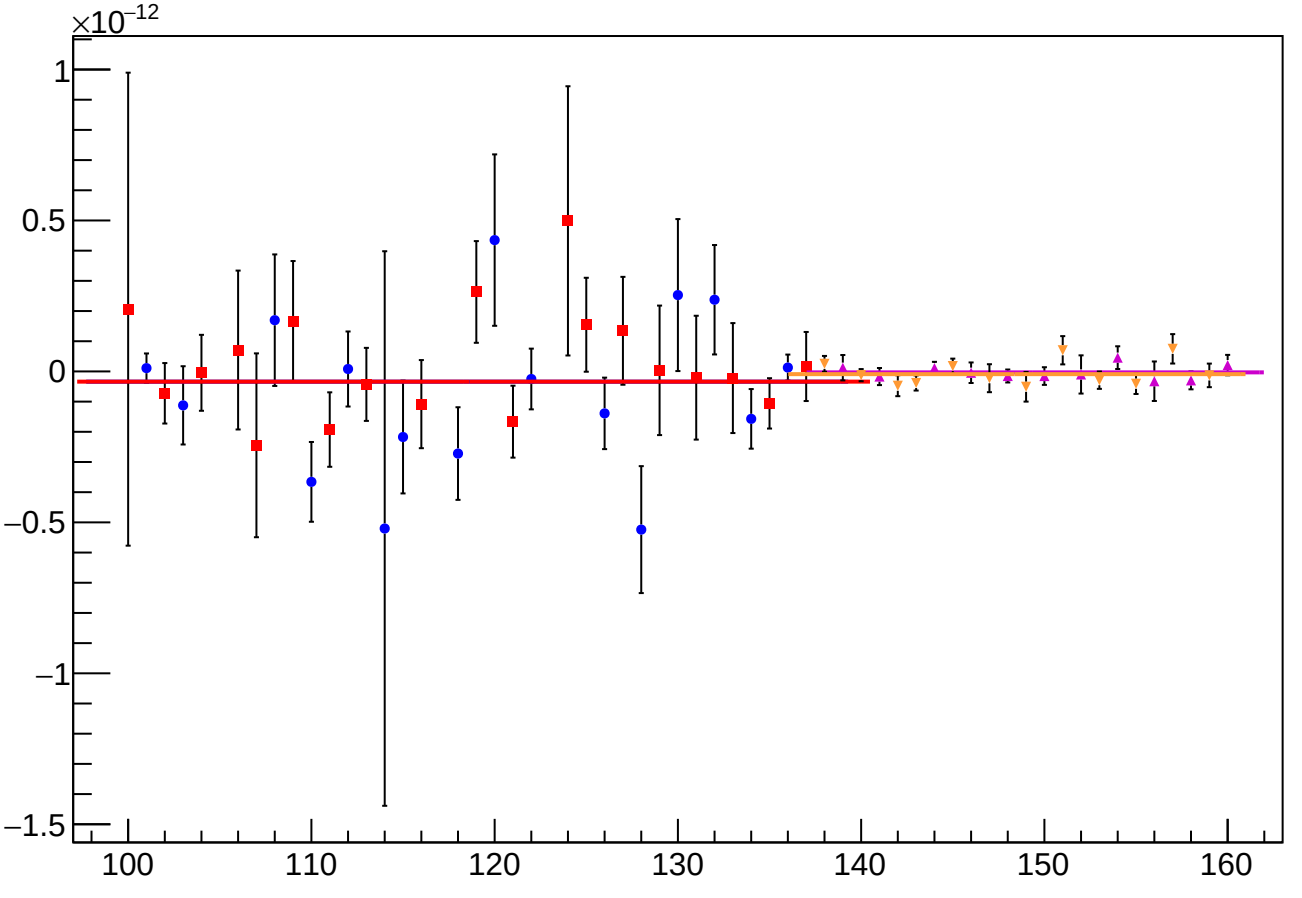
Left: 949.340+/-0.156 χ^2/NDF: 675413.0/22

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1071.214+/-0.192 χ^2/NDF:2157070.9/26

Out: 1078.794+/-0.193 χ^2/NDF:2488040.7/30

All: 1074.985+/-0.136 χ^2/NDF: 4645888.1/57



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:4.5/10

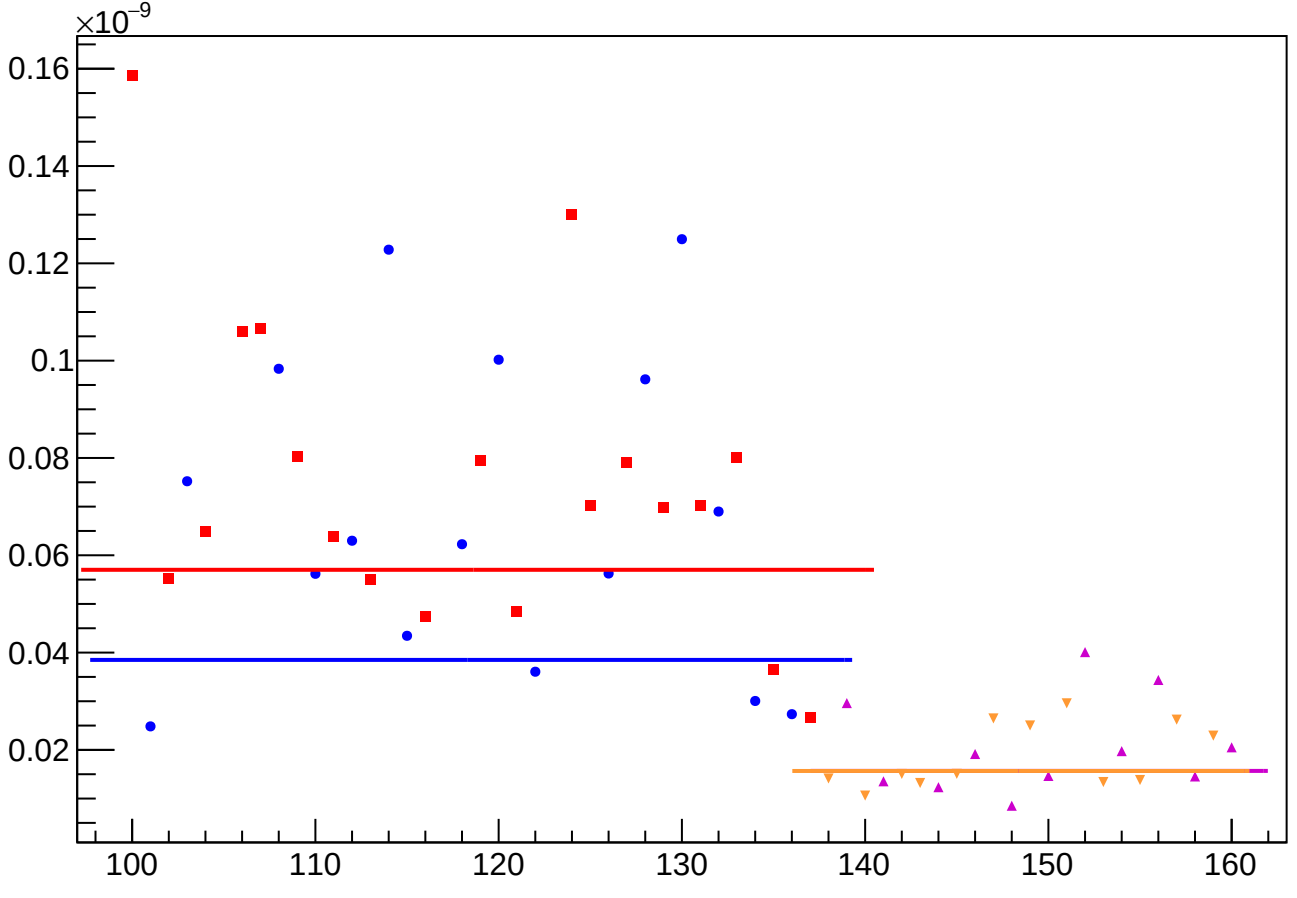
Left: -0.000+/-0.000 χ^2/NDF: 18.2/22

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:33.3/26

Out: -0.000+/-0.000 χ^2/NDF:27.0/30

All: -0.000+/-0.000 χ^2/NDF: 60.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:693105.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1057476.3/10

Left: 0.000+/-0.000 χ^2/NDF: 1750584.3/22

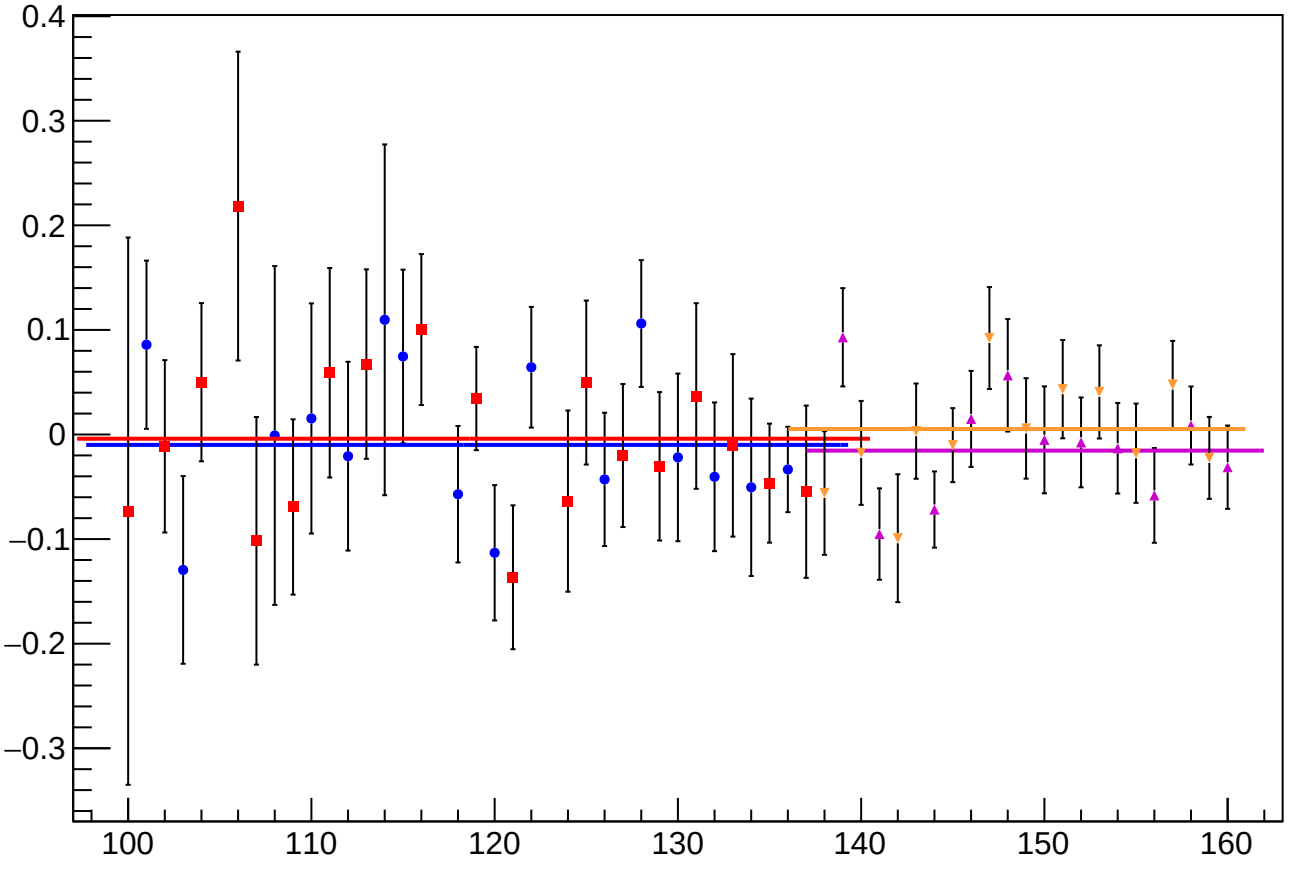
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3897146.0/26

Out: 0.000+/-0.000 χ^2/NDF:4151215.5/30

All: 0.000+/-0.000 χ^2/NDF: 8048431.2/57

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.015+/-0.013 χ^2/NDF:14.8/10

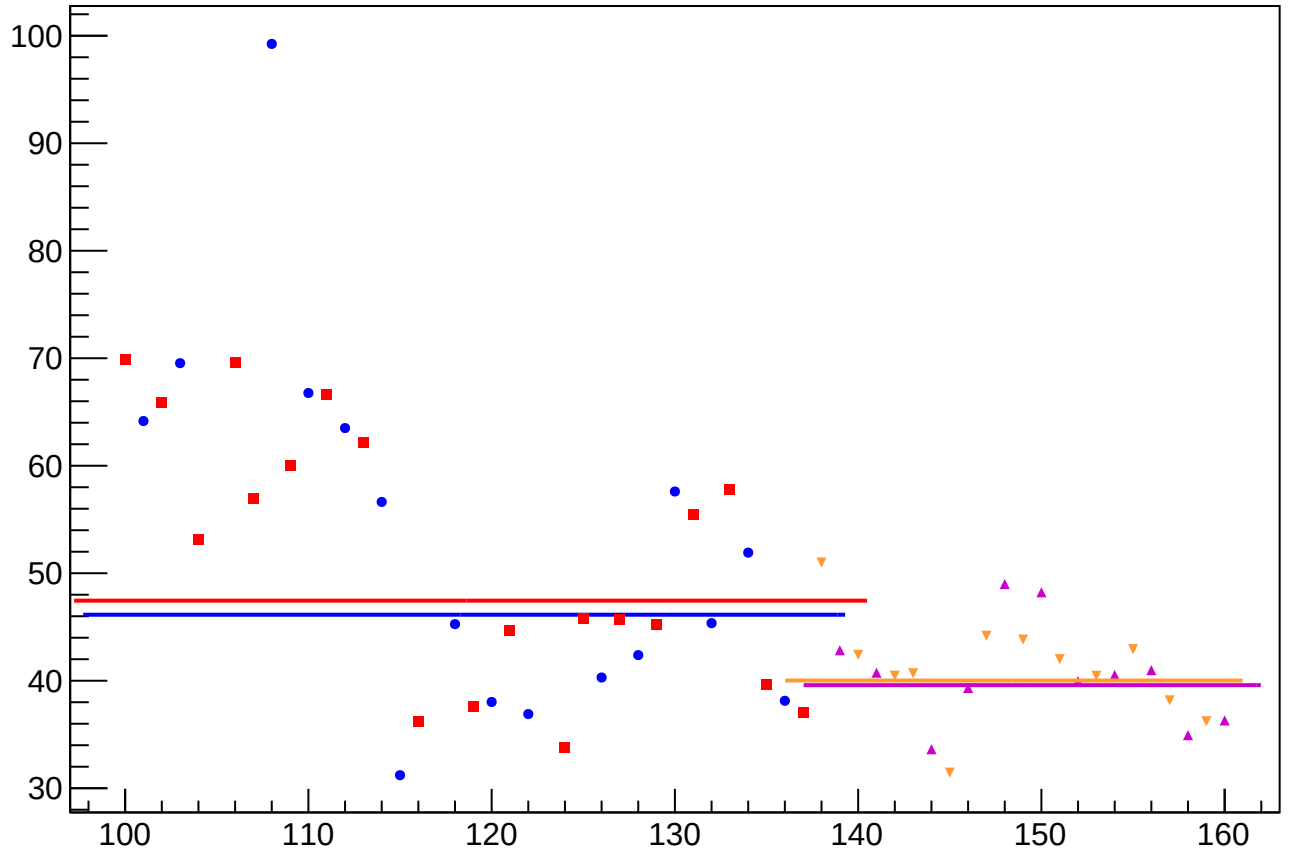
Left: -0.005+/-0.009 χ^2/NDF: 26.7/22

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.006+/-0.008 χ^2/NDF: 54.8/57



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: 39.591+/-0.009 χ^2/NDF:230726.4/10

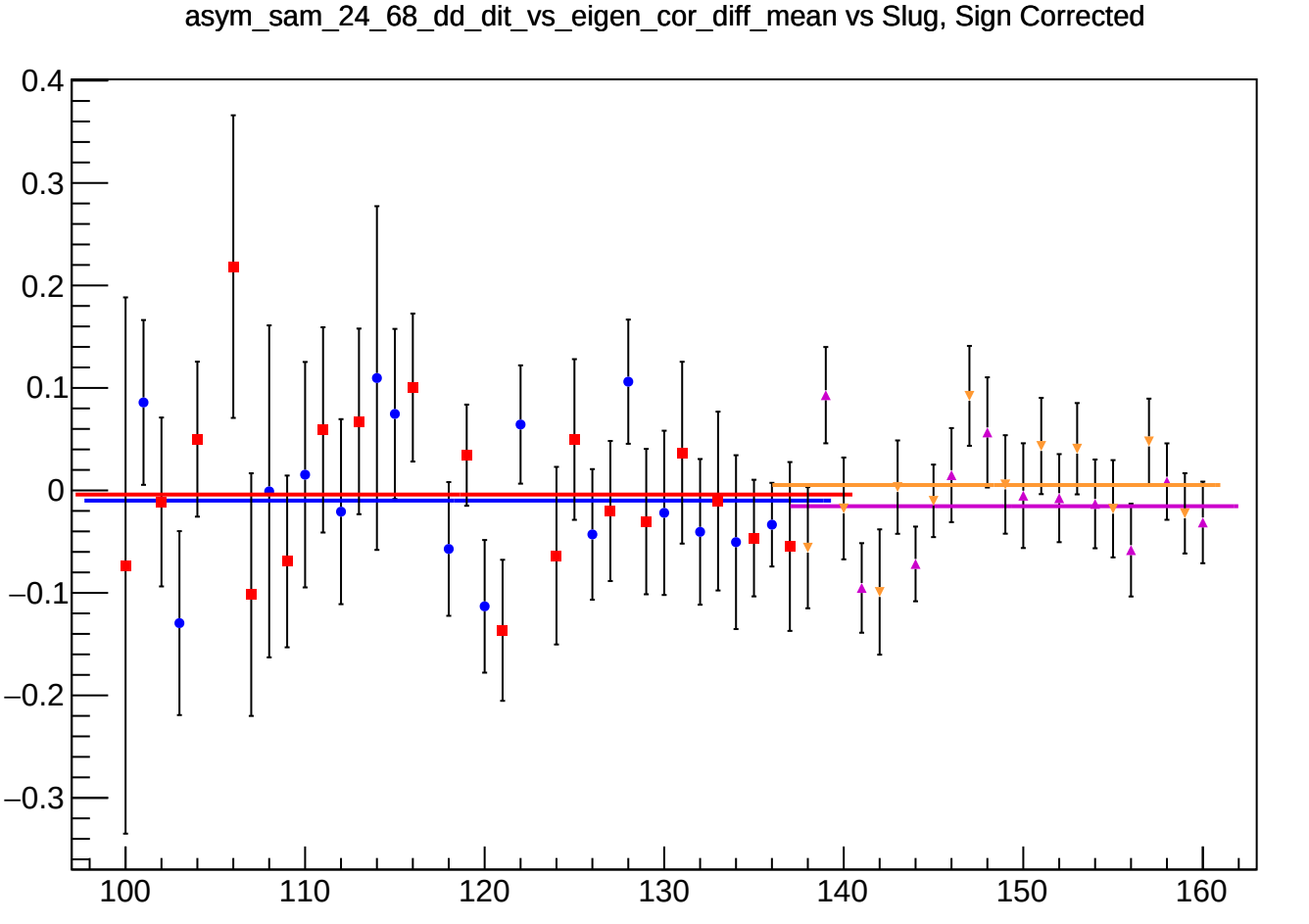
Left: 39.803+/-0.007 χ^2/NDF: 484425.4/22

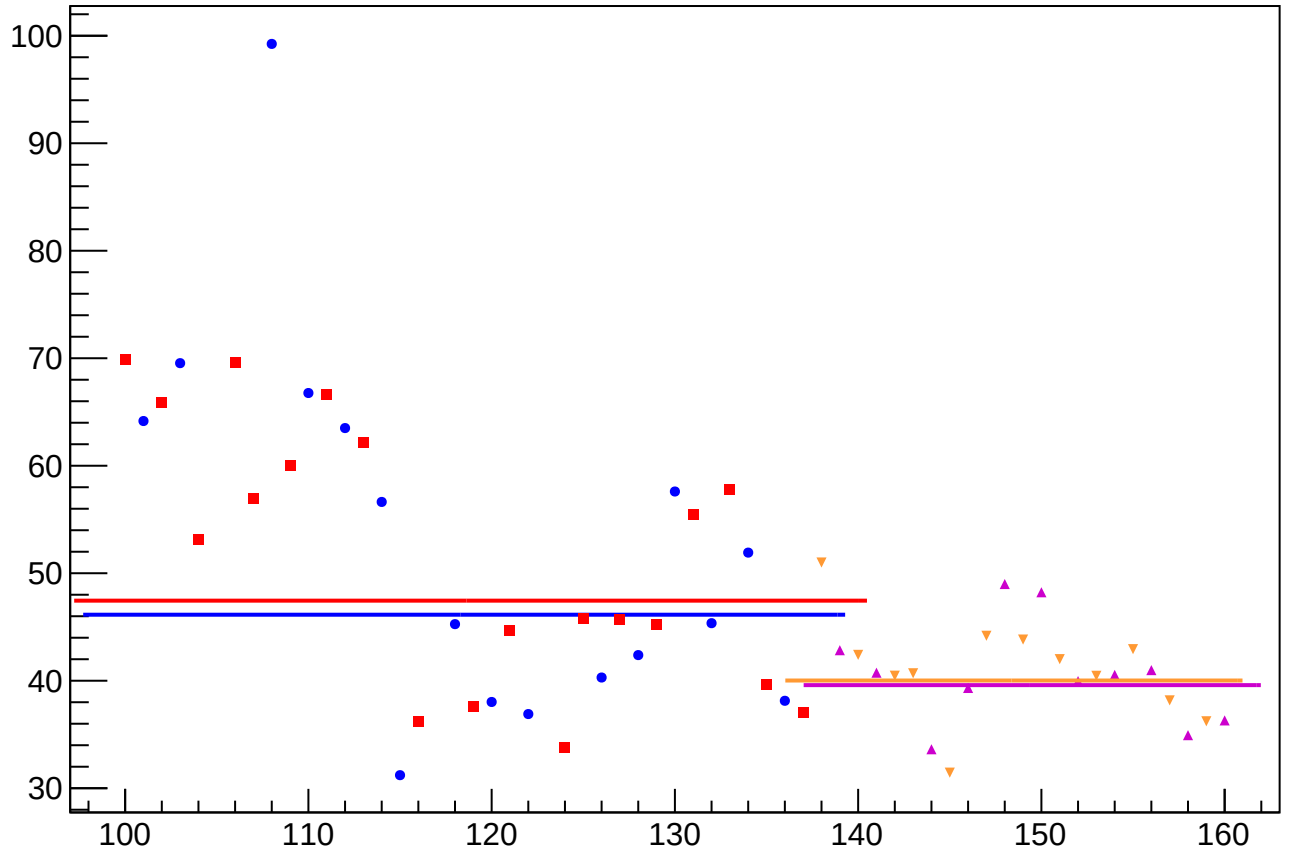
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.855+/-0.007 χ^2/NDF:1307456.2/26

Out: 42.606+/-0.008 χ^2/NDF:1127202.5/30

All: 42.227+/-0.005 χ^2/NDF: 2439649.0/57


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.005+/-0.013 χ²/NDF:10.6/11
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: -0.015+/-0.013 χ²/NDF:14.8/10
Left: -0.005+/-0.009 χ²/NDF: 26.7/22
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.014+/-0.011 χ²/NDF:29.1/26
Out: 0.002+/-0.011 χ²/NDF:24.7/30
All: -0.006+/-0.008 χ²/NDF: 54.8/57



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: 39.591+/-0.009 χ^2/NDF:230726.4/10

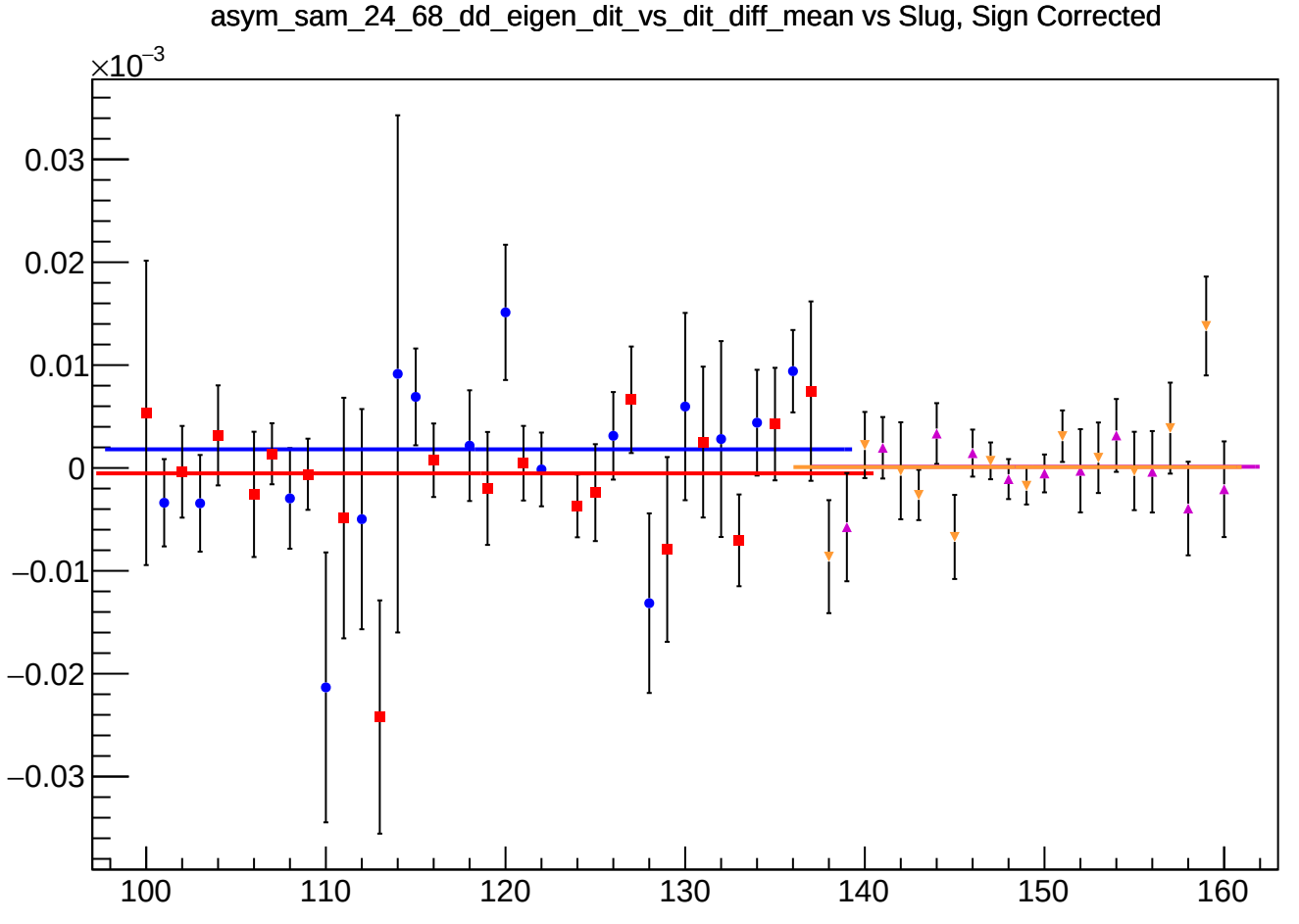
Left: 39.803+/-0.007 χ^2/NDF: 484425.4/22

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.855+/-0.007 χ^2/NDF:1307456.2/26

Out: 42.606+/-0.008 χ^2/NDF:1127202.5/30

All: 42.227+/-0.005 χ^2/NDF: 2439649.0/57



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:5.4/10

Left: 0.000+/-0.000 χ^2/NDF: 23.9/22

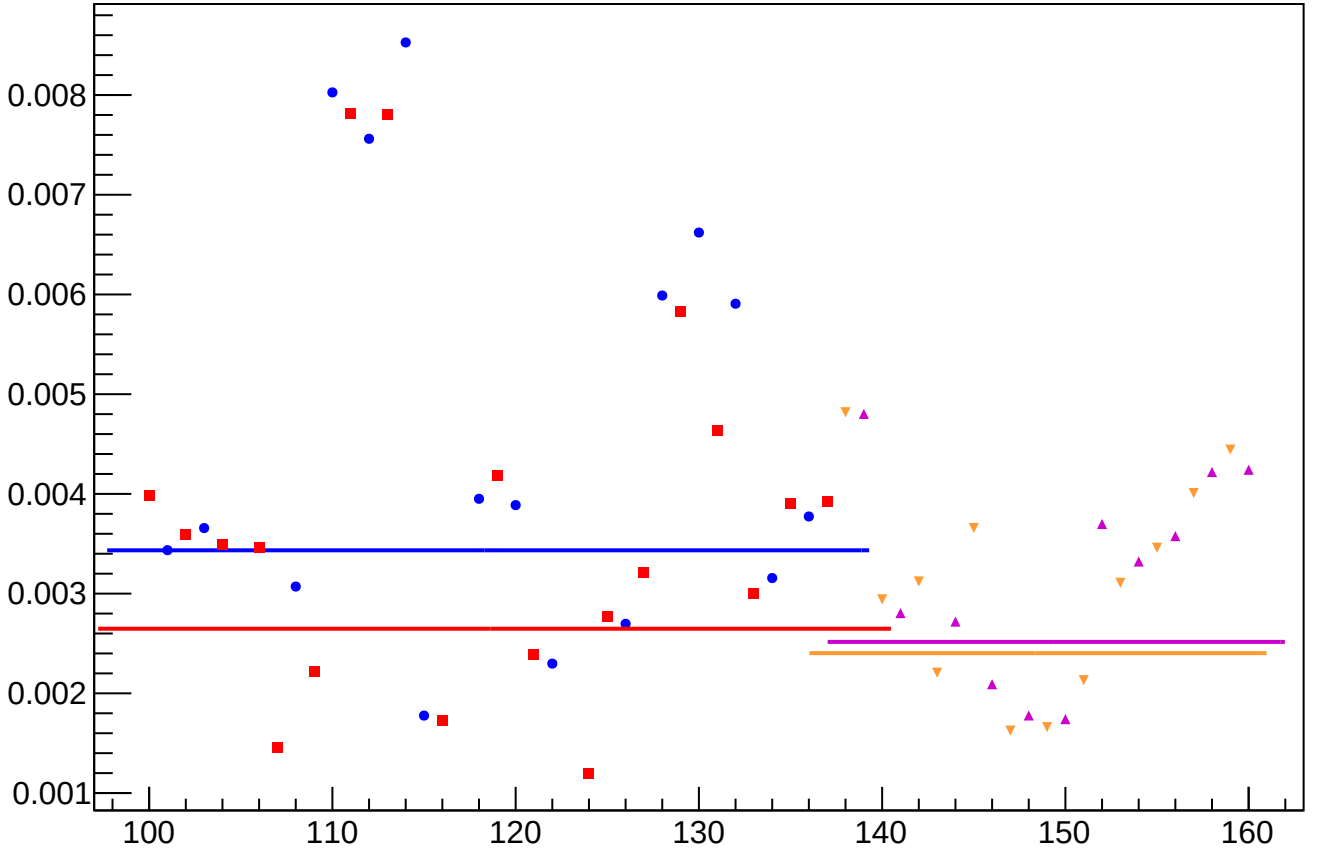
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:26.5/26

Out: -0.000+/-0.000 χ^2/NDF:32.4/30

All: 0.000+/-0.000 χ^2/NDF: 59.5/57

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.003+/-0.000 χ^2/NDF:2091353.8/10

Left: 0.002+/-0.000 χ^2/NDF: 4396629.2/22

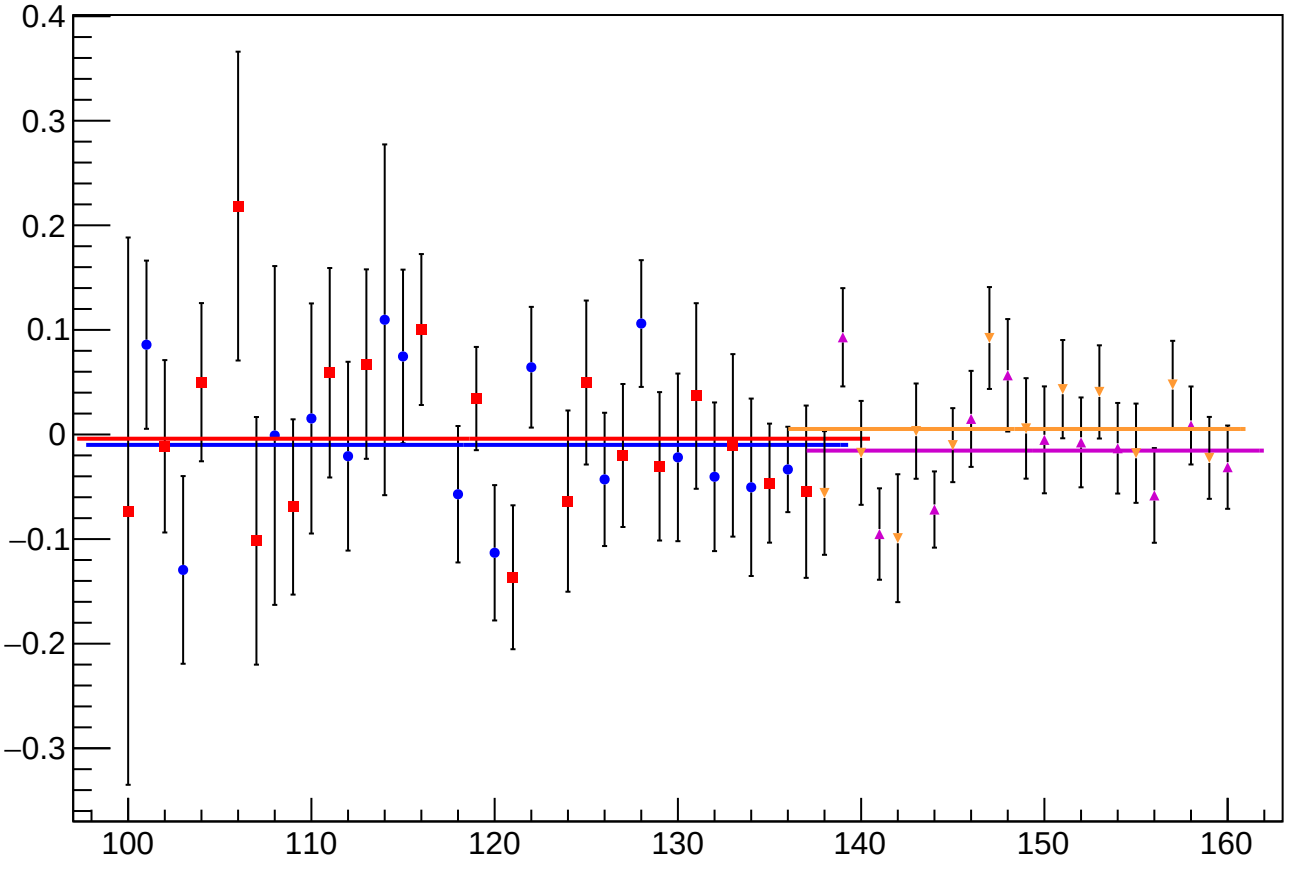
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4477989.7/26

Out: 0.002+/-0.000 χ^2/NDF:5048309.5/30

All: 0.003+/-0.000 χ^2/NDF: 9692884.6/57

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.015+/-0.013 χ^2/NDF:14.8/10

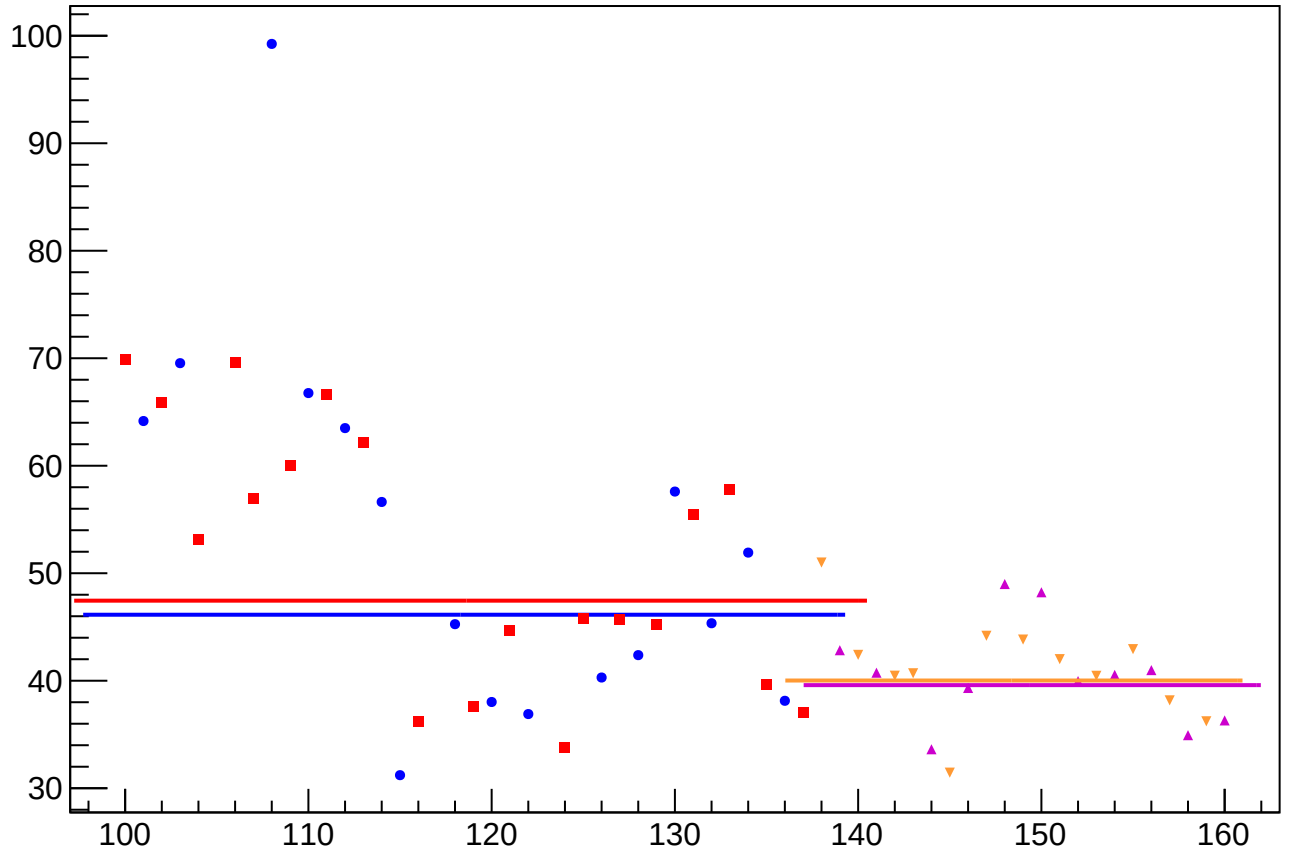
Left: -0.005+/-0.009 χ^2/NDF: 26.7/22

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.006+/-0.008 χ^2/NDF: 54.8/57



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: 39.590+/-0.009 χ^2/NDF:230756.8/10

Left: 39.803+/-0.007 χ^2/NDF: 484468.8/22

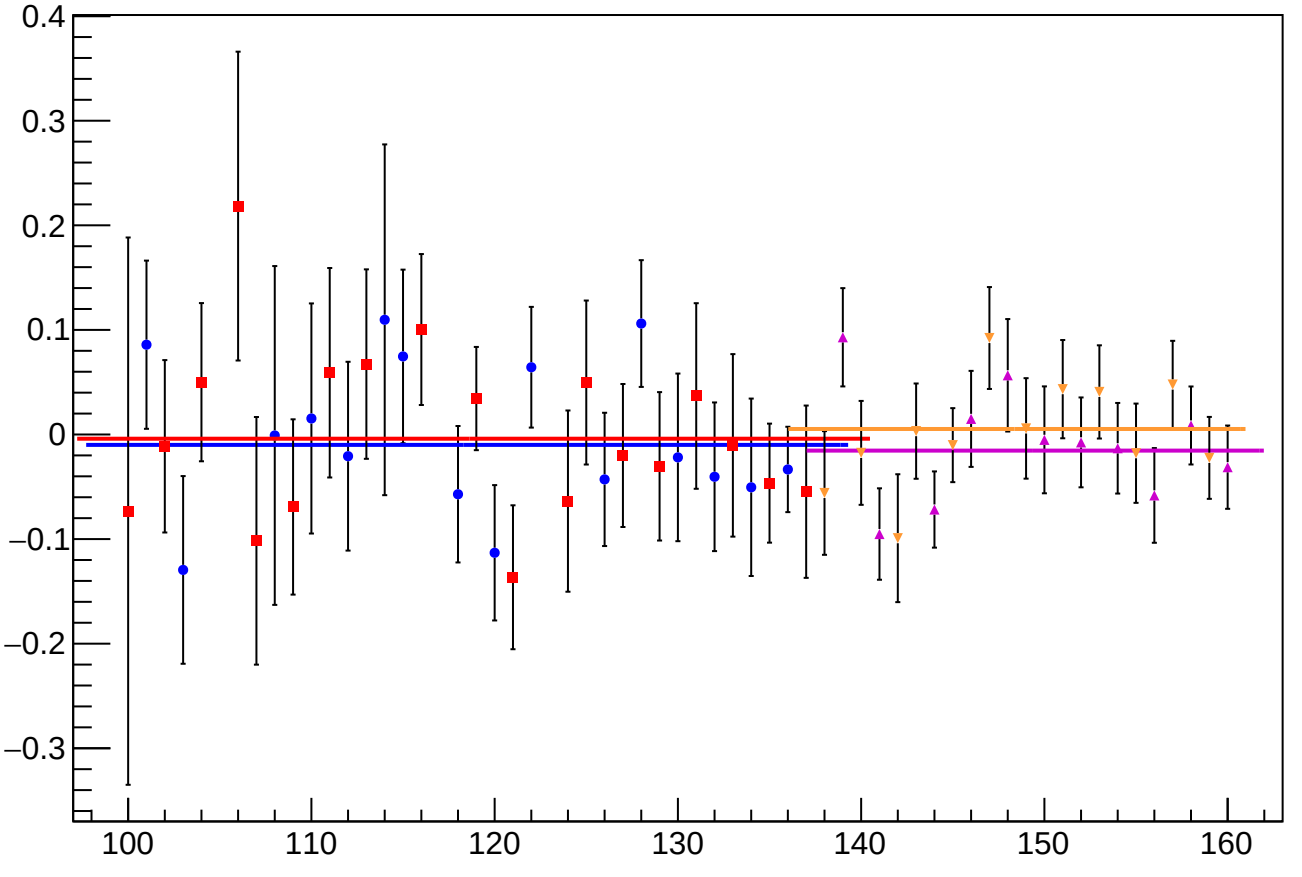
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.855+/-0.007 χ^2/NDF:1307390.6/26

Out: 42.606+/-0.008 χ^2/NDF:1127129.3/30

All: 42.227+/-0.005 χ^2/NDF: 2439515.4/57

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.015+/-0.013 χ^2/NDF:14.8/10

Left: -0.005+/-0.009 χ^2/NDF: 26.7/22

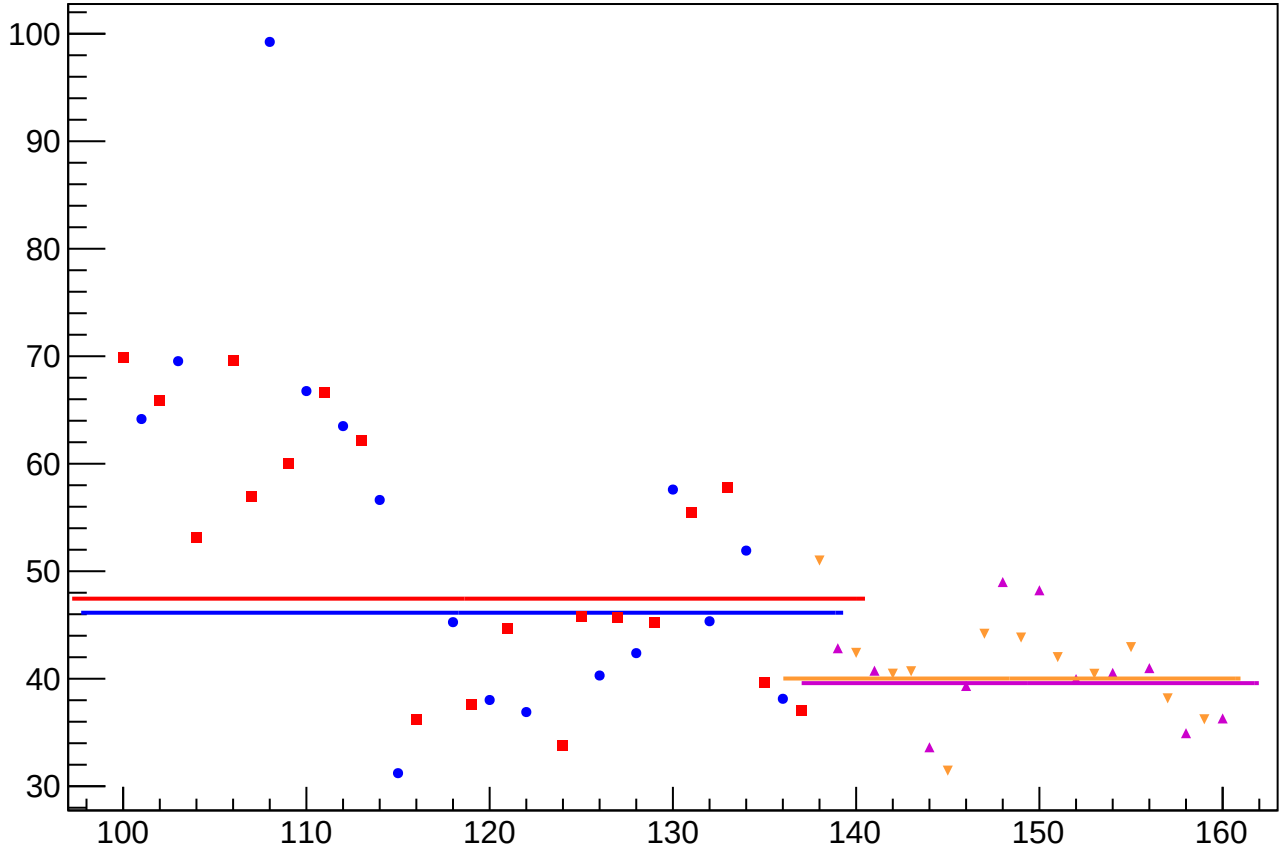
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.002+/-0.011 χ^2/NDF:24.7/30

All: -0.006+/-0.008 χ^2/NDF: 54.8/57

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: 39.590+/-0.009 χ^2/NDF:230756.8/10

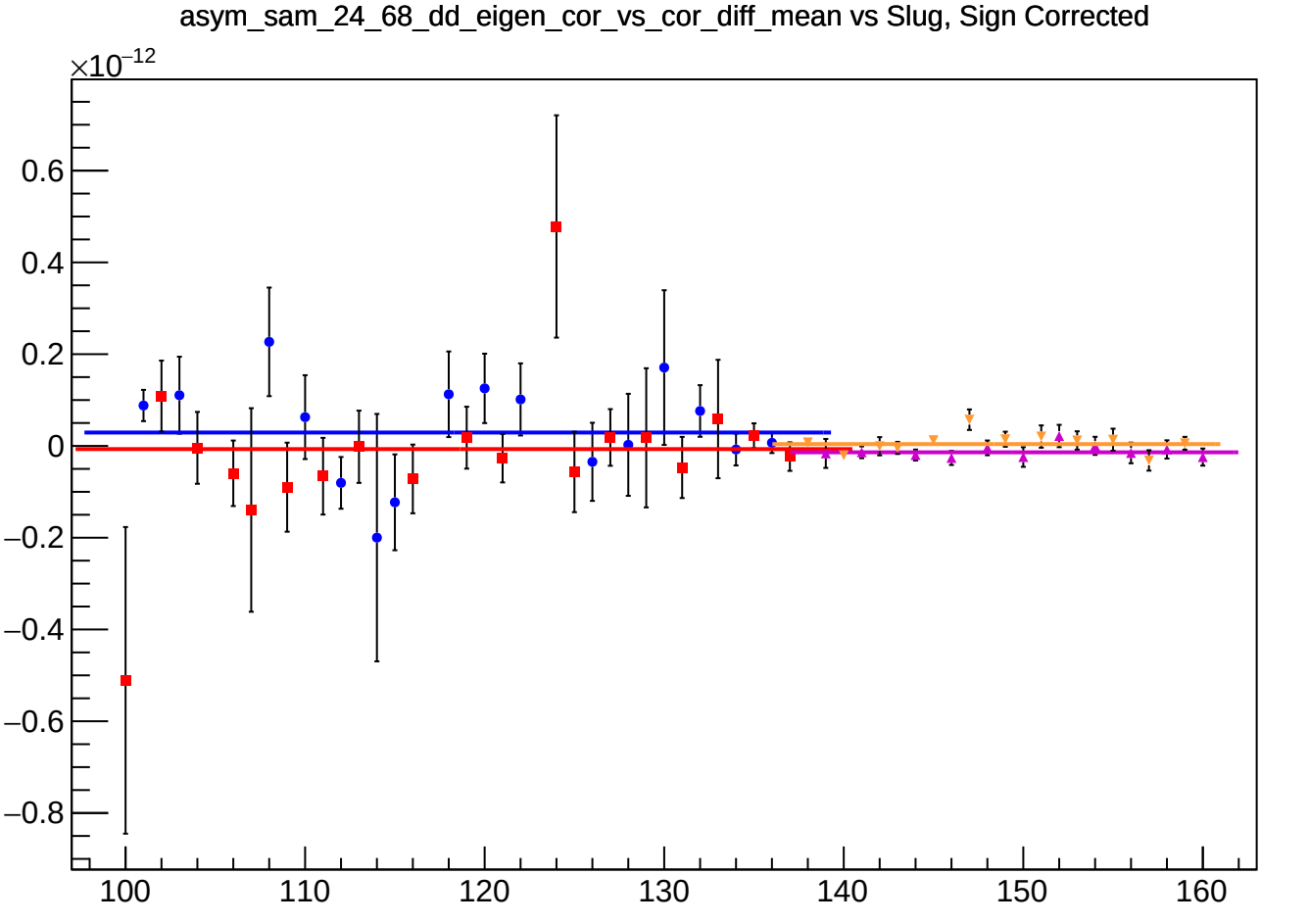
Left: 39.803+/-0.007 χ^2/NDF: 484468.8/22

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.855+/-0.007 χ^2/NDF:1307390.6/26

Out: 42.606+/-0.008 χ^2/NDF:1127129.3/30

All: 42.227+/-0.005 χ^2/NDF: 2439515.4/57



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:4.5/10

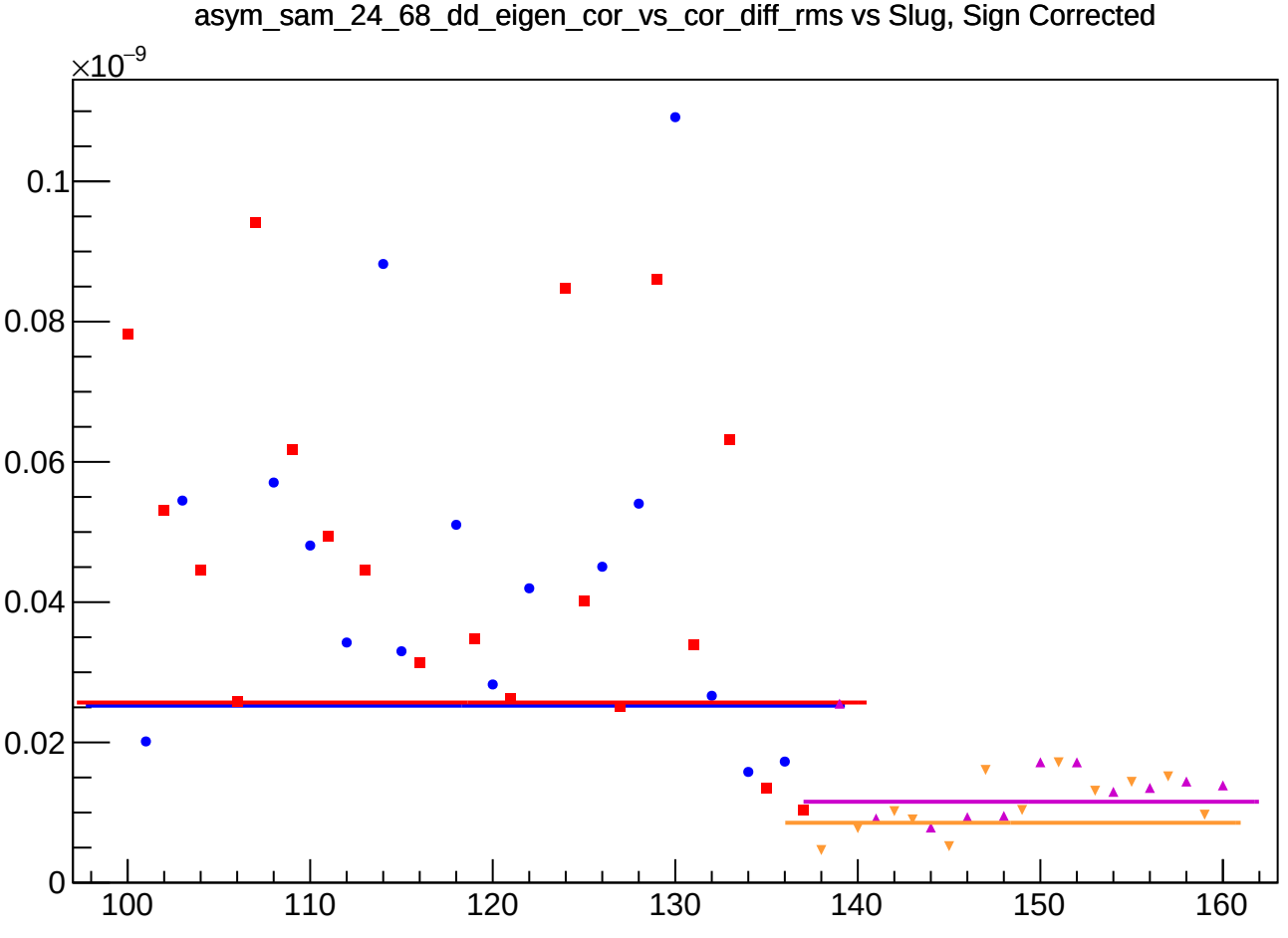
Left: -0.000+/-0.000 χ^2/NDF: 27.7/22

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/26

Out: 0.000+/-0.000 χ^2/NDF:30.9/30

All: -0.000+/-0.000 χ^2/NDF: 68.4/57



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:1068360.7/10

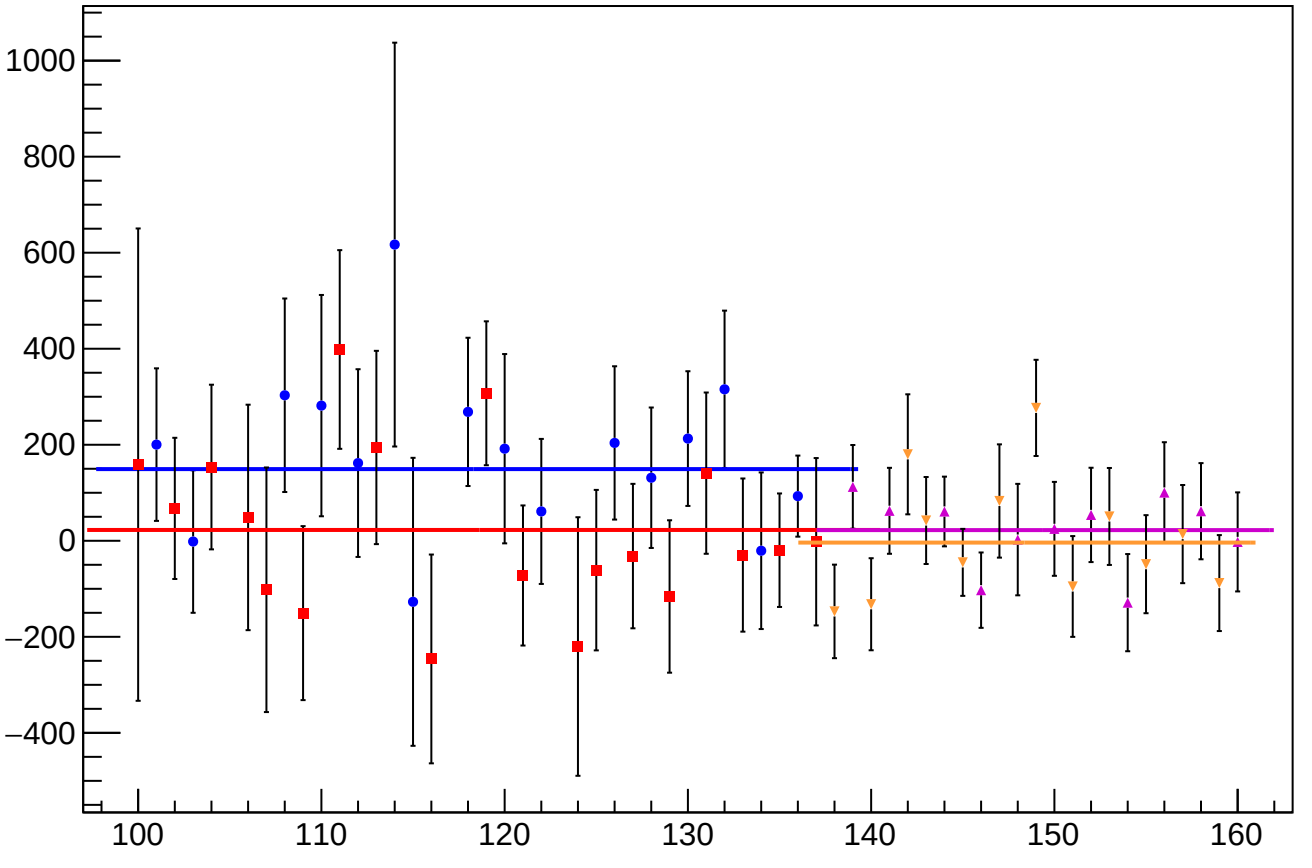
Left: 0.000+/-0.000 χ^2/NDF: 2968545.7/22

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4969633.2/26

Out: 0.000+/-0.000 χ^2/NDF:6928270.3/30

All: 0.000+/-0.000 χ^2/NDF: 12494754.2/57



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.755+/-28.198 χ^2/NDF:17.1/11

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 22.246+/-28.025 χ^2/NDF:7.2/10

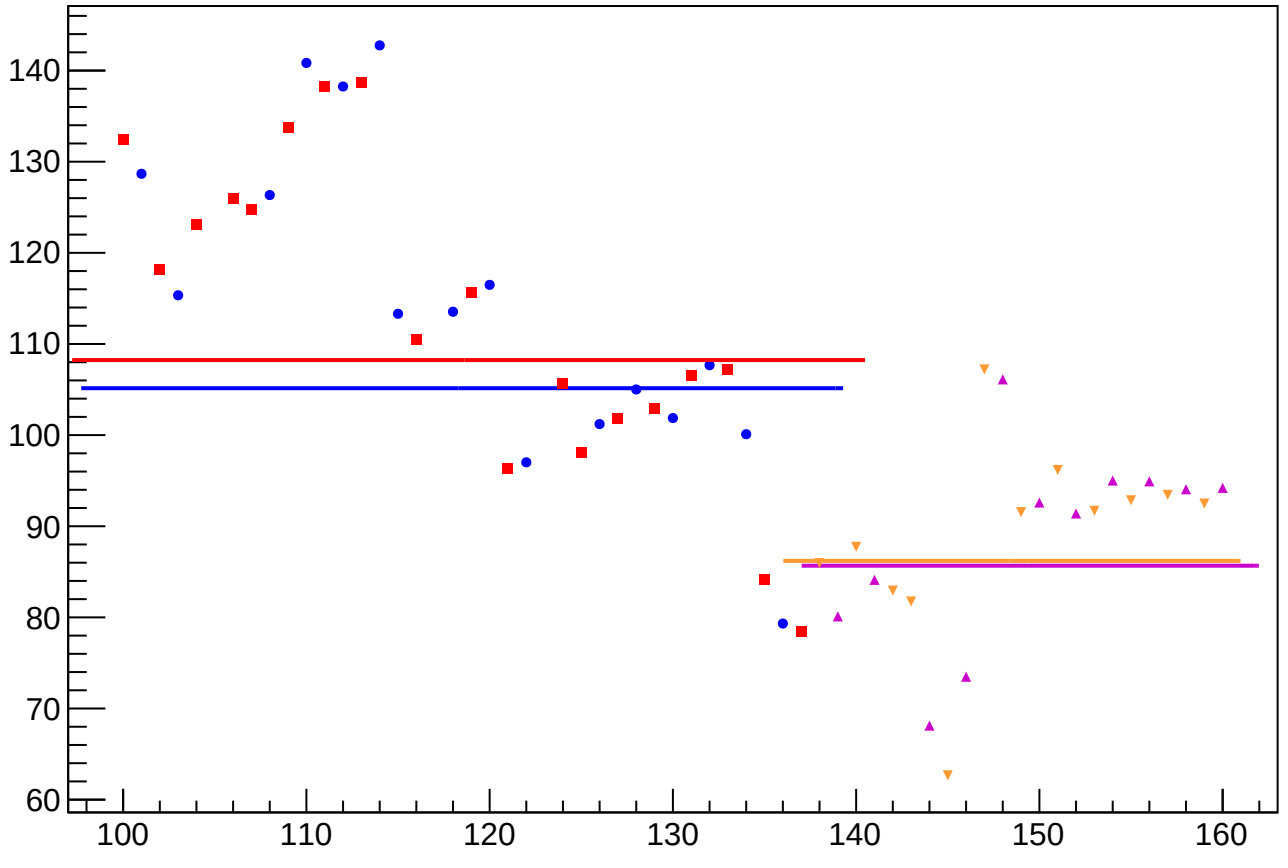
Left: 9.326+/-19.877 χ^2/NDF: 24.8/22

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 64.521+/-22.893 χ^2/NDF:22.1/26

Out: 4.948+/-23.066 χ^2/NDF:31.6/30

All: 34.960+/-16.248 χ^2/NDF: 57.0/57



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: 85.670+/-0.020 χ^2/NDF:313061.6/10

Left: 85.935+/-0.014 χ^2/NDF: 667315.3/22

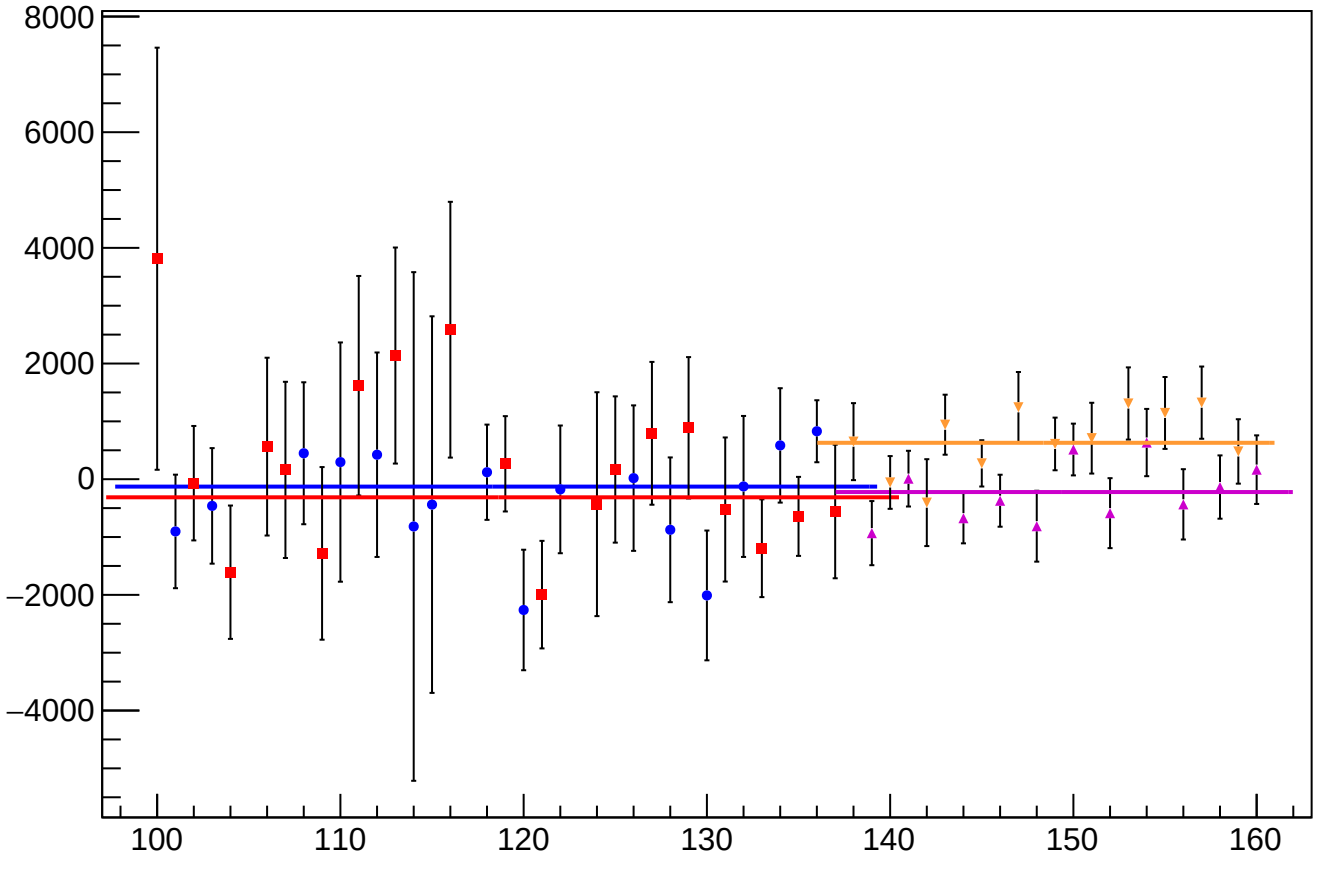
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.150+/-0.016 χ^2/NDF:1042874.8/26

Out: 93.492+/-0.016 χ^2/NDF:1107745.0/30

All: 92.816+/-0.011 χ^2/NDF: 2154027.1/57

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: -222.137+/-158.052 χ^2/NDF:9.8/10

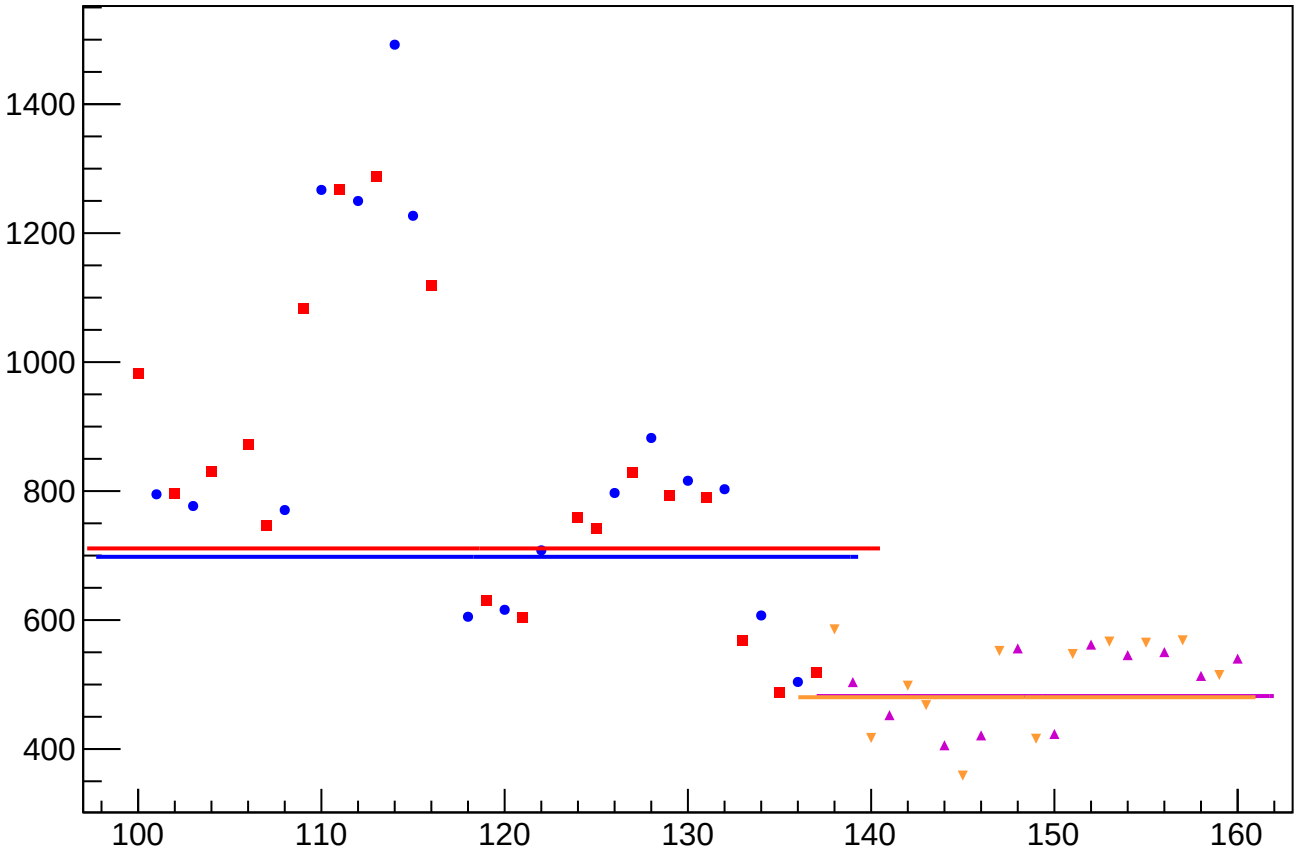
Left: 203.055+/-111.838 χ^2/NDF: 33.8/22

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -197.941+/-136.220 χ^2/NDF:22.2/26

Out: 388.584+/-136.561 χ^2/NDF:33.6/30

All: 94.588+/-96.442 χ^2/NDF: 65.0/57



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: 482.179+/-0.112 χ^2/NDF:281995.4/10

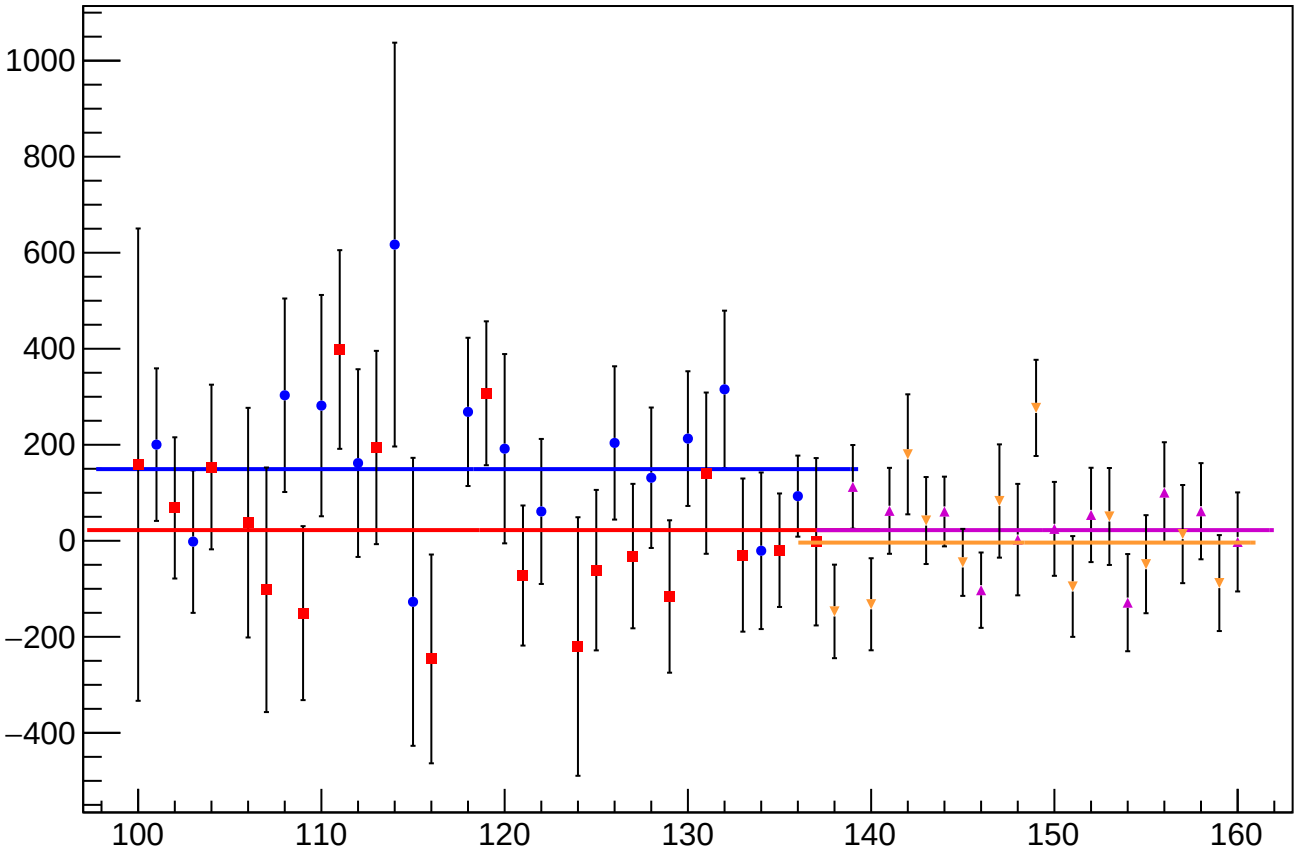
Left: 481.247+/-0.079 χ^2/NDF: 771578.1/22

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 537.698+/-0.096 χ^2/NDF:2154406.0/26

Out: 539.290+/-0.097 χ^2/NDF:2611209.4/30

All: 538.492+/-0.068 χ^2/NDF: 4765751.7/57



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: 22.243+/-28.025 χ^2/NDF:7.2/10

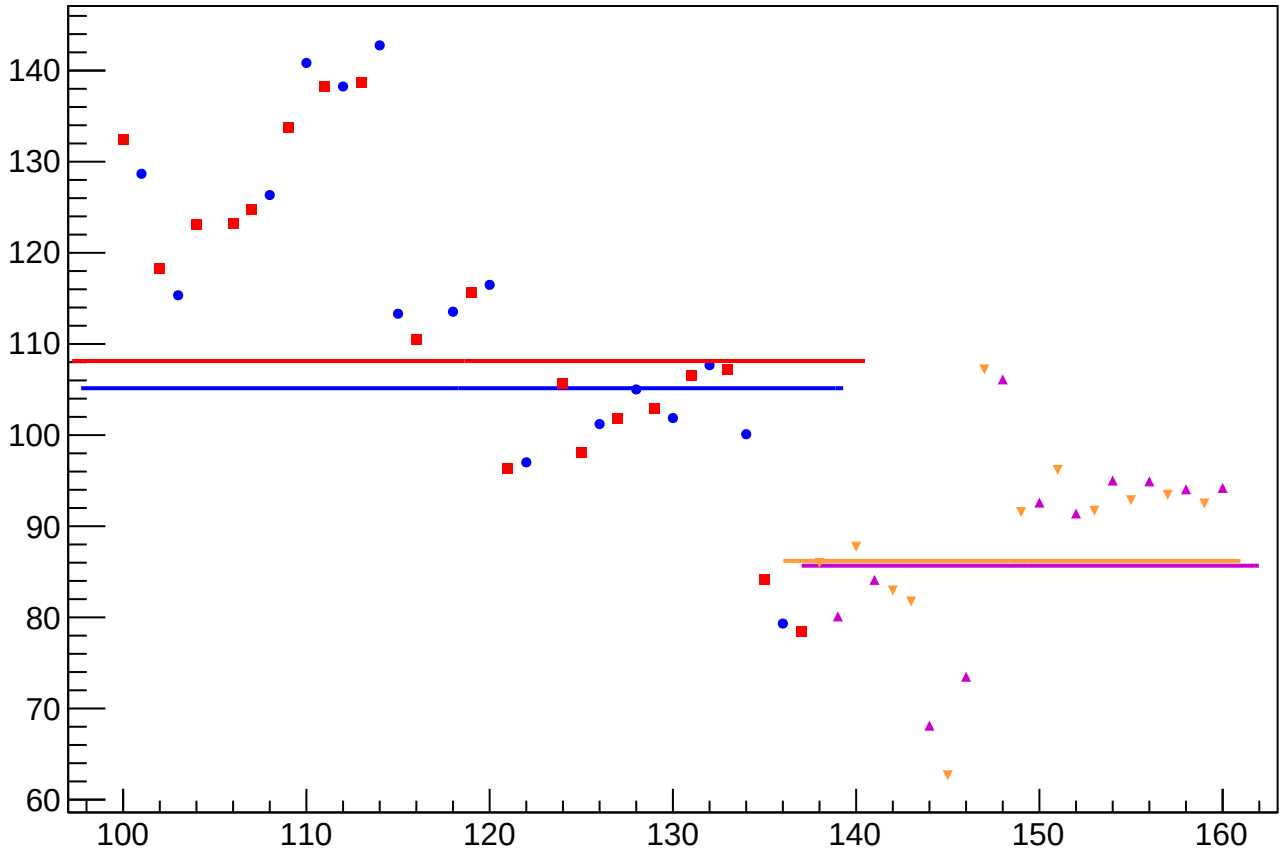
Left: 9.325+/-19.877 χ^2/NDF: 24.8/22

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 64.517+/-22.893 χ^2/NDF:22.1/26

Out: 4.859+/-23.070 χ^2/NDF:31.6/30

All: 34.919+/-16.250 χ^2/NDF: 57.0/57



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: 85.670+/-0.020 χ^2/NDF:313061.6/10

Left: 85.935+/-0.014 χ^2/NDF: 667315.3/22

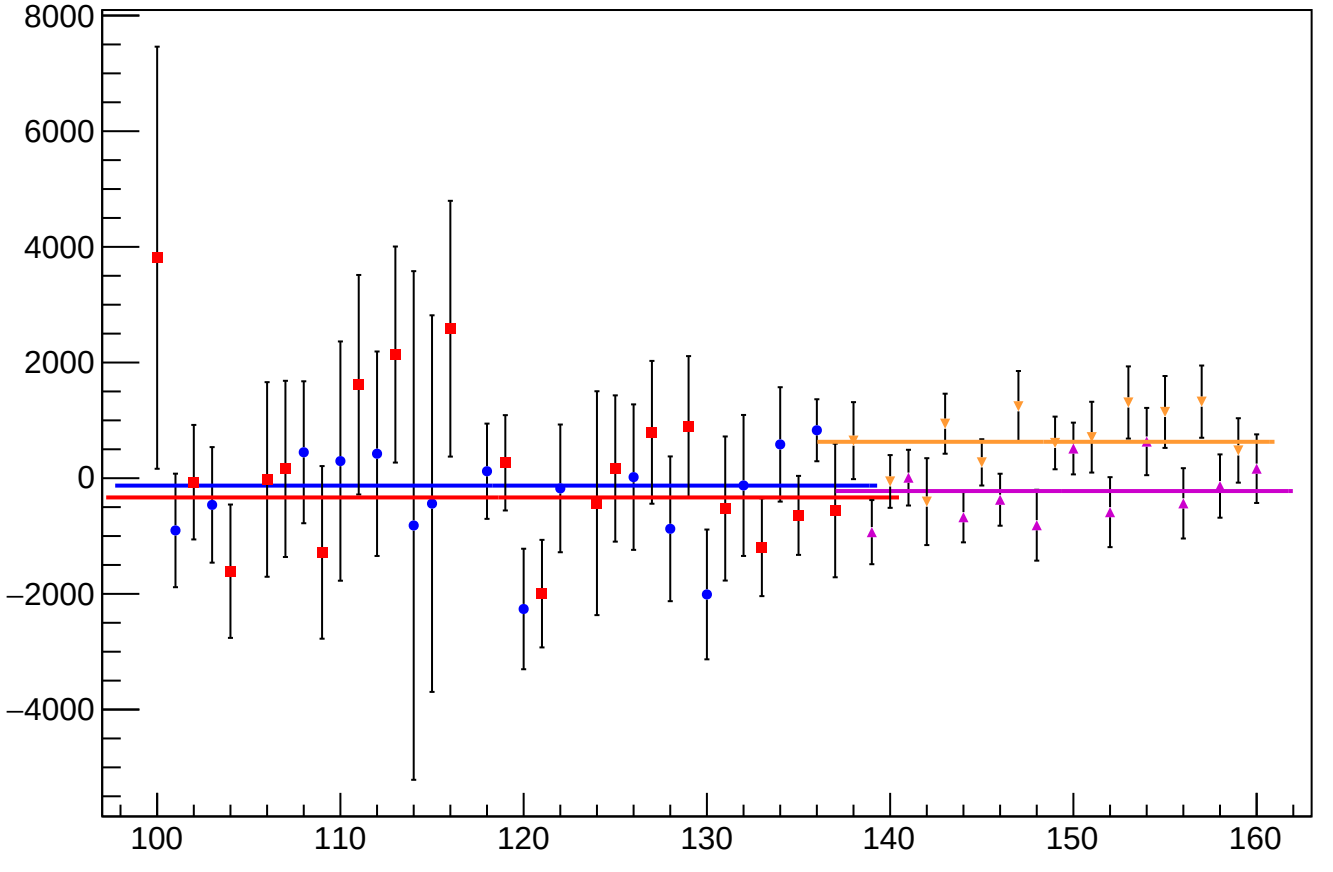
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.150+/-0.016 χ^2/NDF:1042875.2/26

Out: 93.454+/-0.016 χ^2/NDF:1100309.0/30

All: 92.797+/-0.011 χ^2/NDF: 2146404.4/57

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.455+/-158.276 χ^2/NDF:9.5/11

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -222.137+/-158.052 χ^2/NDF:9.8/10

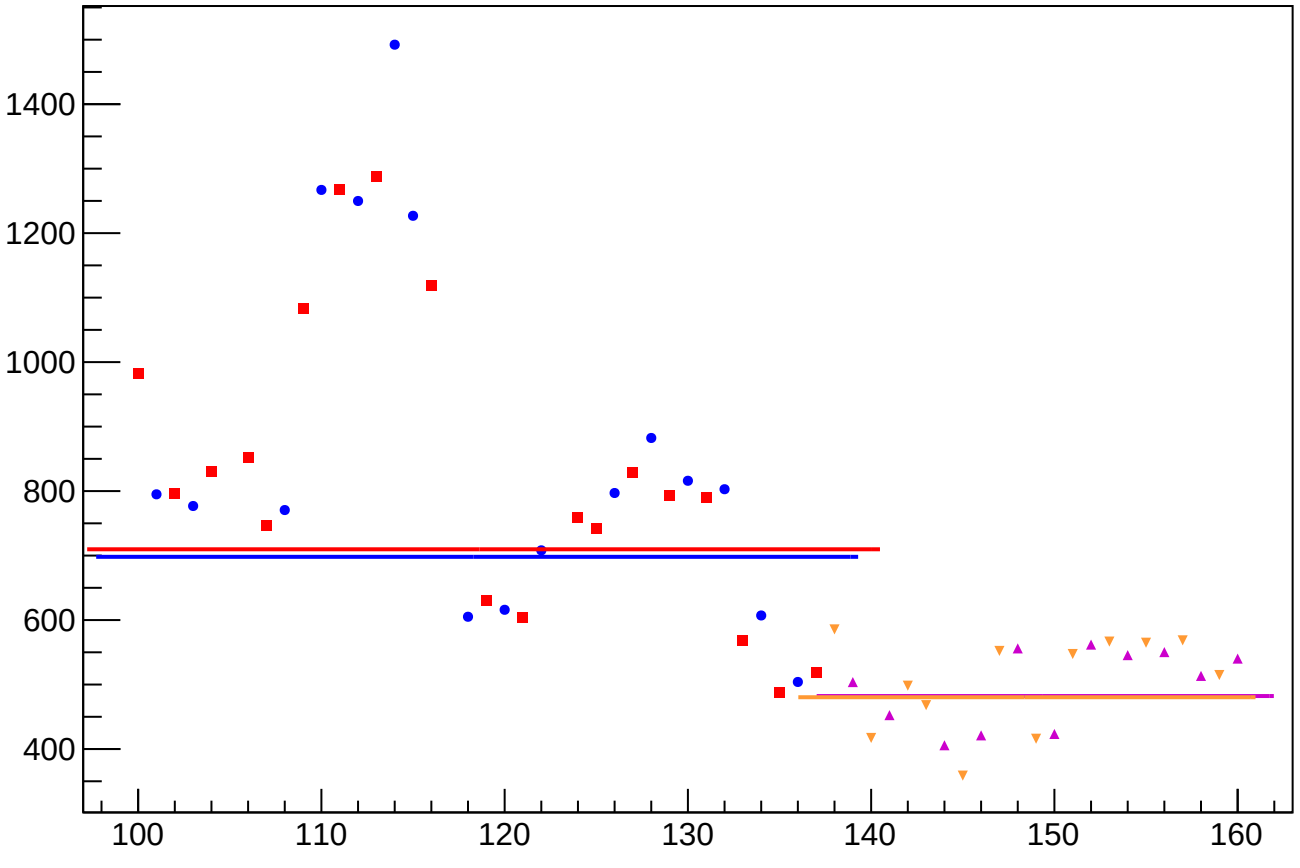
Left: 203.056+/-111.838 χ^2/NDF: 33.8/22

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -197.939+/-136.220 χ^2/NDF:22.2/26

Out: 384.521+/-136.652 χ^2/NDF:33.6/30

All: 92.370+/-96.474 χ^2/NDF: 64.9/57



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: 482.179+/-0.112 χ^2/NDF:281992.6/10

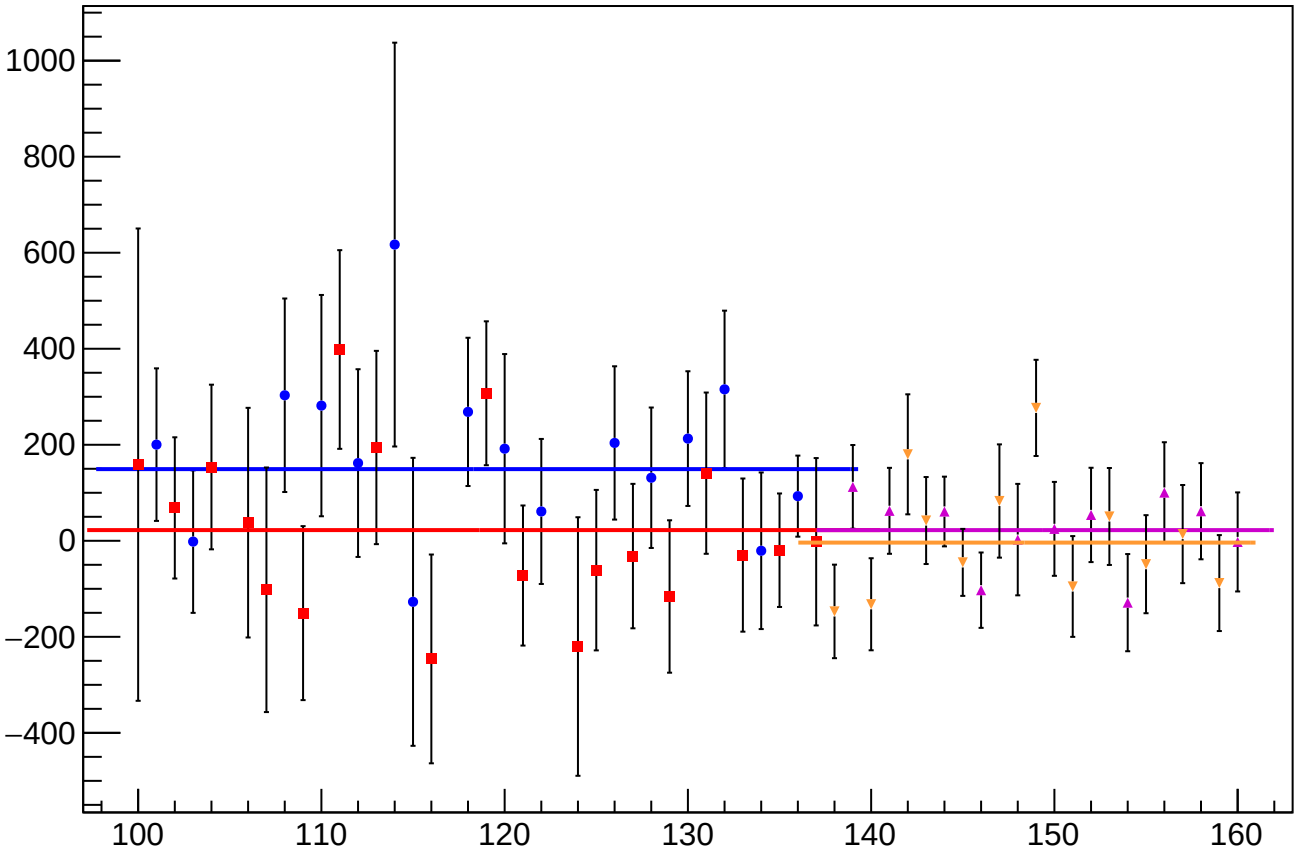
Left: 481.247+/-0.079 χ^2/NDF: 771576.7/22

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.698+/-0.096 χ^2/NDF:2154416.2/26

Out: 538.721+/-0.097 χ^2/NDF:2586469.8/30

All: 538.208+/-0.068 χ^2/NDF: 4740942.3/57



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: 22.243+/-28.025 χ^2/NDF:7.2/10

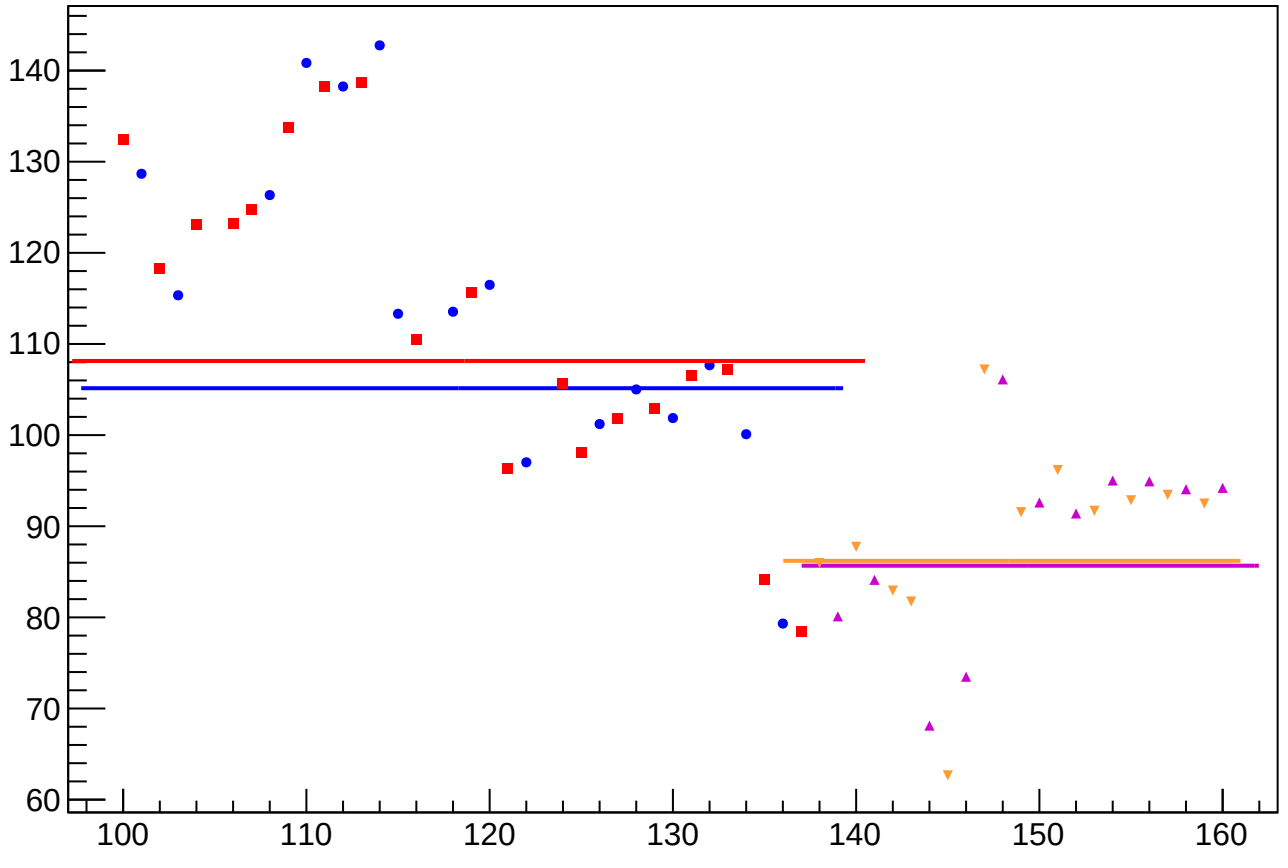
Left: 9.325+/-19.877 χ^2/NDF: 24.8/22

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 64.517+/-22.893 χ^2/NDF:22.1/26

Out: 4.859+/-23.070 χ^2/NDF:31.6/30

All: 34.919+/-16.250 χ^2/NDF: 57.0/57



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: 85.670+/-0.020 χ^2/NDF:313061.6/10

Left: 85.935+/-0.014 χ^2/NDF: 667315.3/22

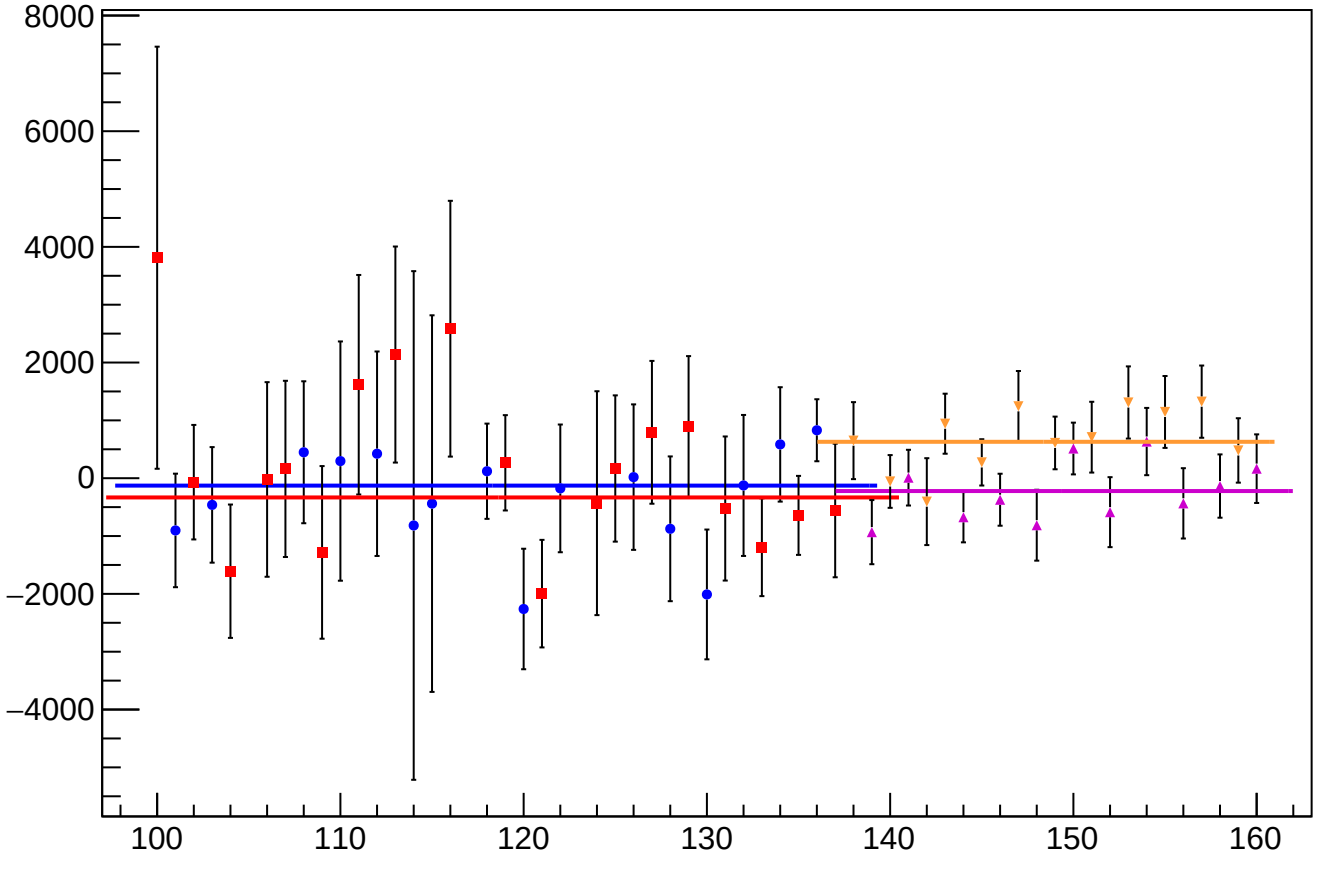
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.150+/-0.016 χ^2/NDF:1042875.2/26

Out: 93.454+/-0.016 χ^2/NDF:1100309.0/30

All: 92.797+/-0.011 χ^2/NDF: 2146404.4/57

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: -222.137+/-158.052 χ^2/NDF:9.8/10

Left: 203.056+/-111.838 χ^2/NDF: 33.8/22

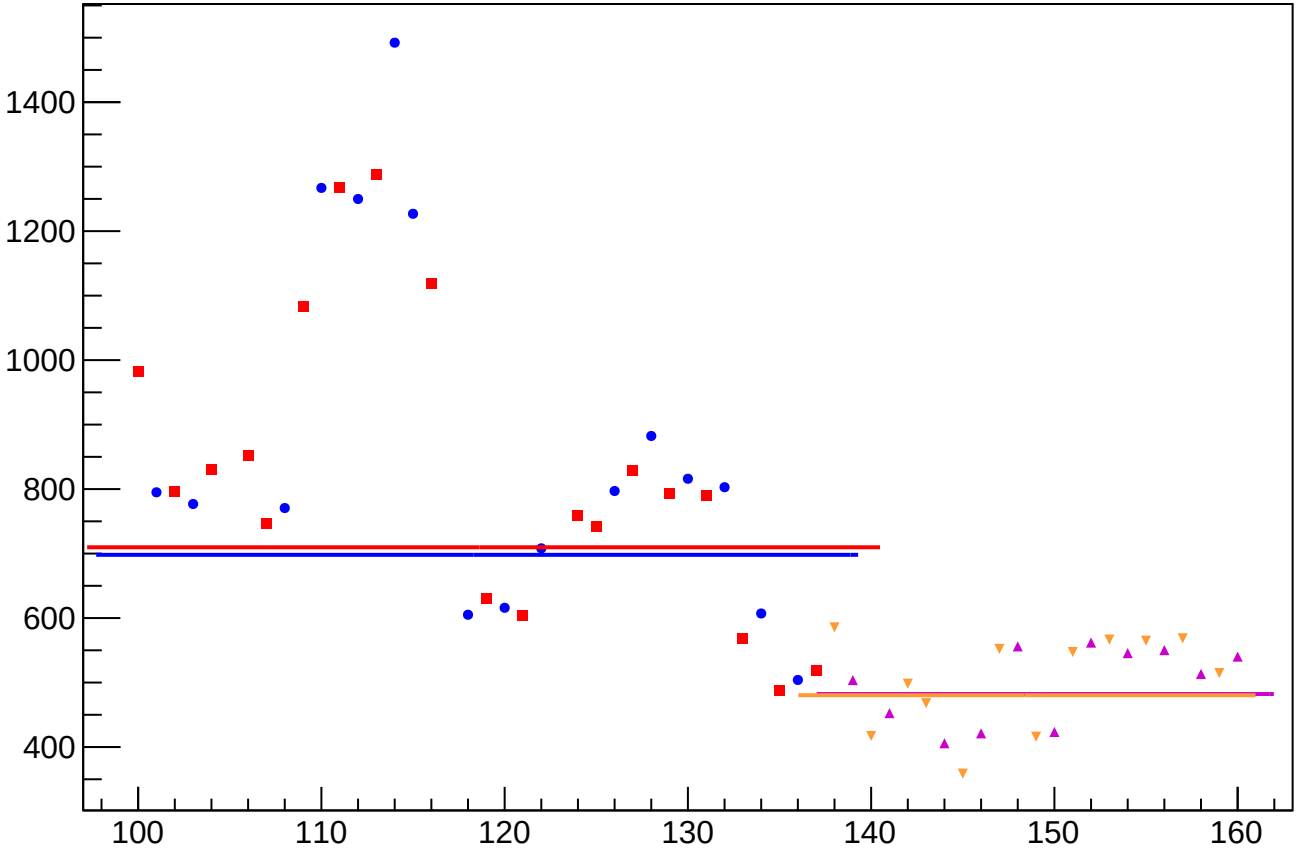
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -197.939+/-136.220 χ^2/NDF:22.2/26

Out: 384.521+/-136.652 χ^2/NDF:33.6/30

All: 92.370+/-96.474 χ^2/NDF: 64.9/57

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: 482.179+/-0.112 χ^2/NDF:281992.6/10

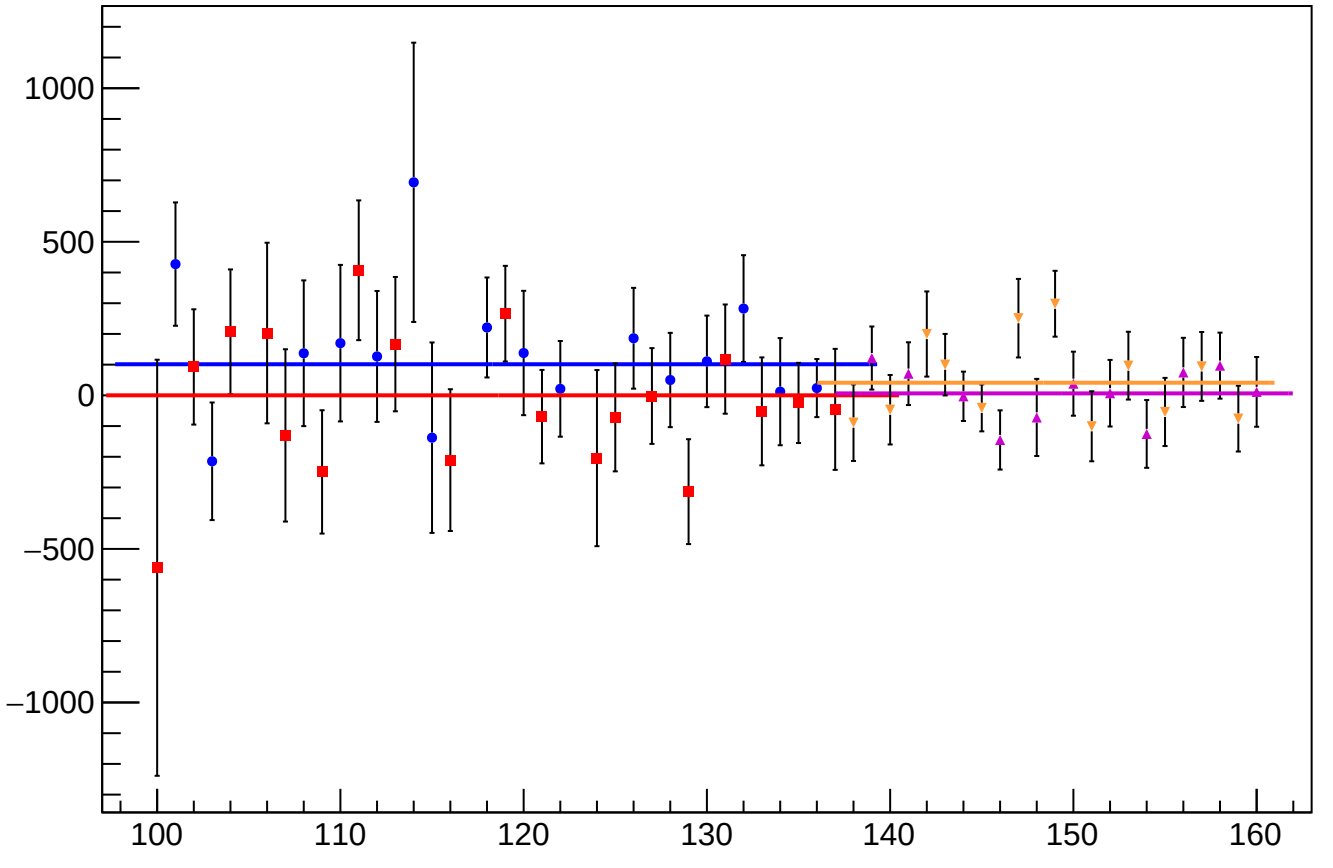
Left: 481.247+/-0.079 χ^2/NDF: 771576.7/22

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.698+/-0.096 χ^2/NDF:2154416.2/26

Out: 538.721+/-0.097 χ^2/NDF:2586469.8/30

All: 538.208+/-0.068 χ^2/NDF: 4740942.3/57



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: 6.405+/-31.335 χ^2/NDF:7.1/10

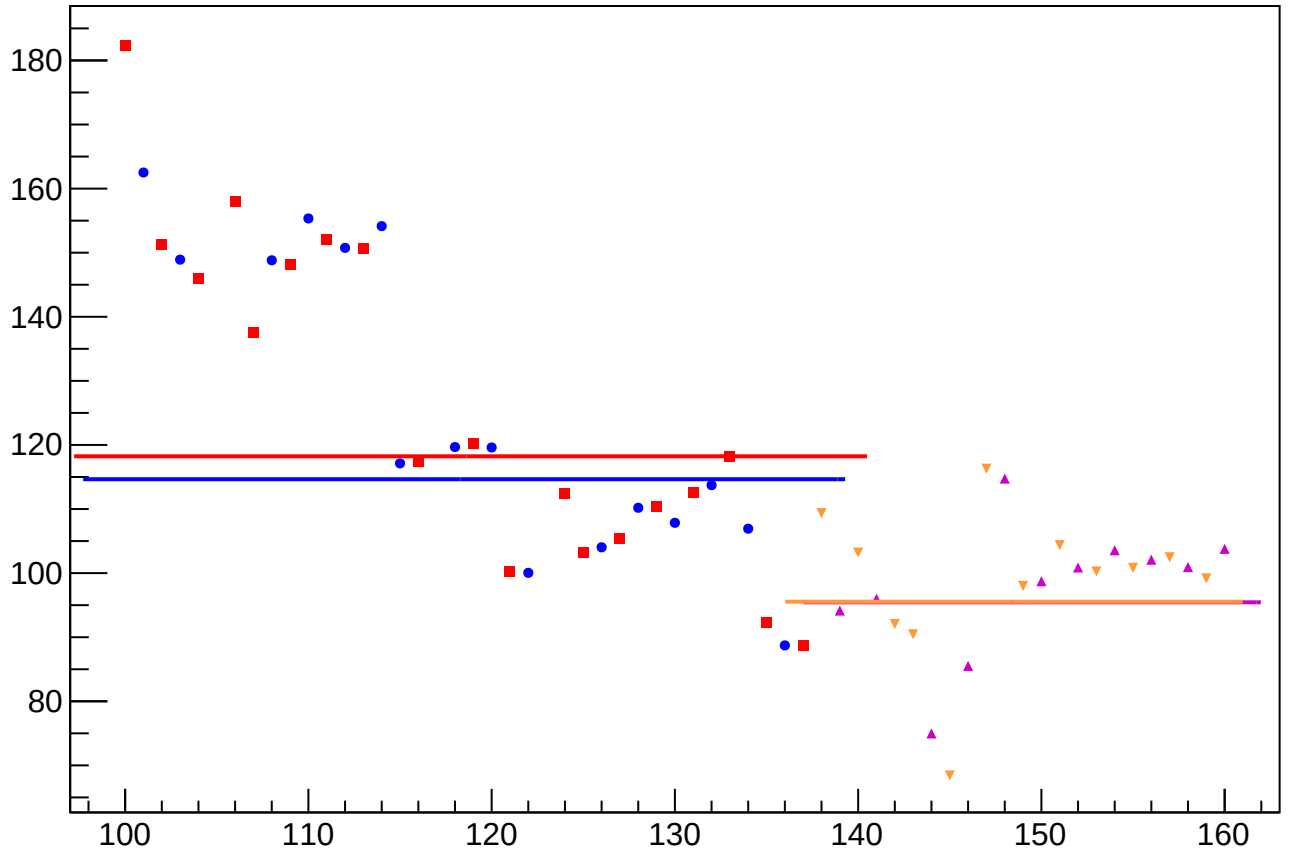
Left: 23.793+/-22.146 χ^2/NDF: 24.6/22

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 38.807+/-25.427 χ^2/NDF:21.3/26

Out: 27.375+/-25.513 χ^2/NDF:34.1/30

All: 33.111+/-18.010 χ^2/NDF: 55.4/57



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: 95.447+/-0.022 χ^2/NDF:239553.4/10

Left: 95.493+/-0.016 χ^2/NDF: 615505.1/22

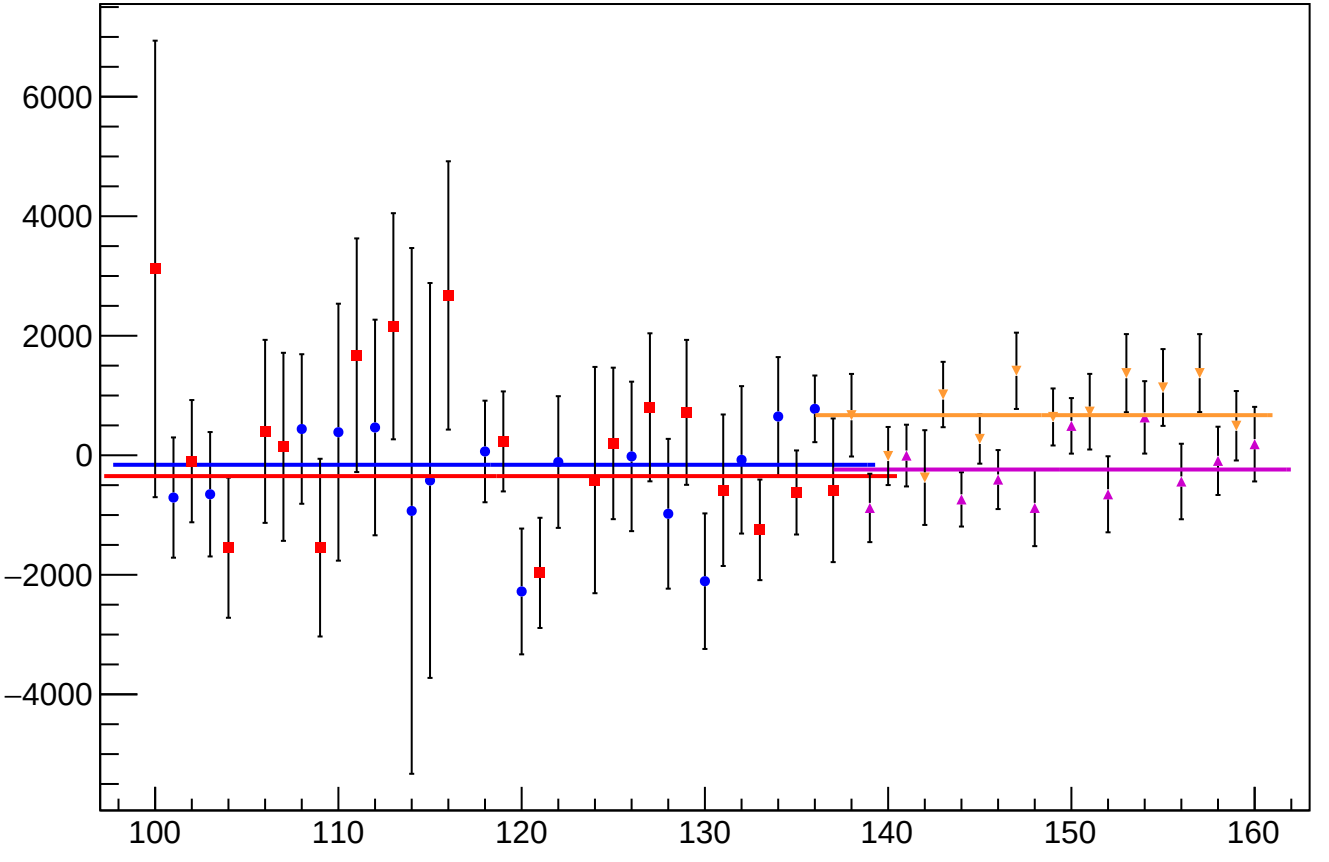
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.007+/-0.018 χ^2/NDF:1028190.0/26

Out: 103.156+/-0.018 χ^2/NDF:1212179.8/30

All: 102.579+/-0.013 χ^2/NDF: 2242405.3/57

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: -238.276+/-166.310 χ^2/NDF:9.4/10

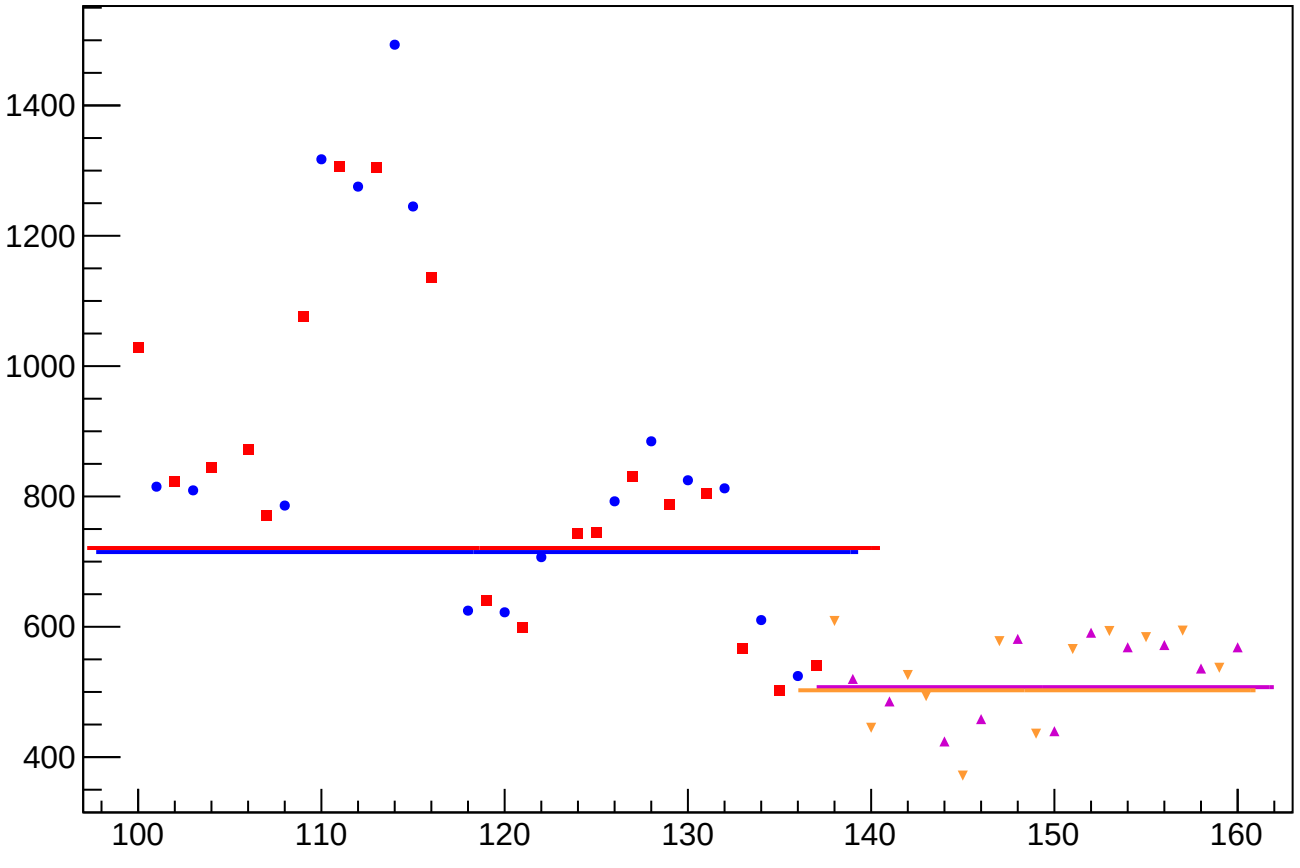
Left: 218.794+/-117.304 χ^2/NDF: 33.8/22

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -217.026+/-142.248 χ^2/NDF:21.4/26

Out: 398.156+/-141.595 χ^2/NDF:33.8/30

All: 91.981+/-100.353 χ^2/NDF: 64.6/57



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: 507.378+/-0.118 χ^2/NDF:260691.7/10

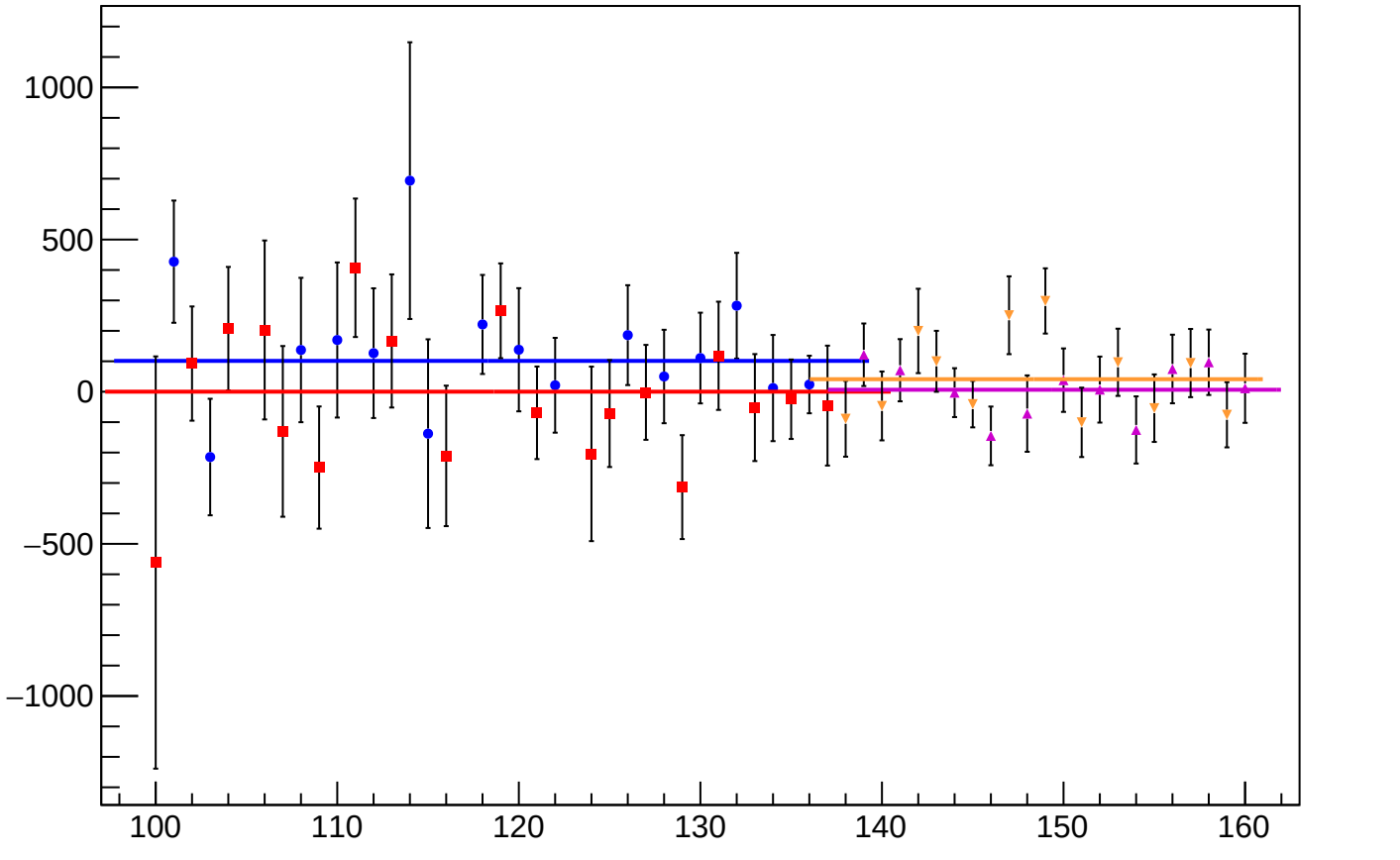
Left: 504.955+/-0.083 χ^2/NDF: 743617.2/22

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 563.020+/-0.101 χ^2/NDF:1970912.4/26

Out: 561.033+/-0.100 χ^2/NDF:2432996.5/30

All: 562.022+/-0.071 χ^2/NDF: 4404104.9/57



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: 6.404+/-31.335 χ^2/NDF:7.1/10

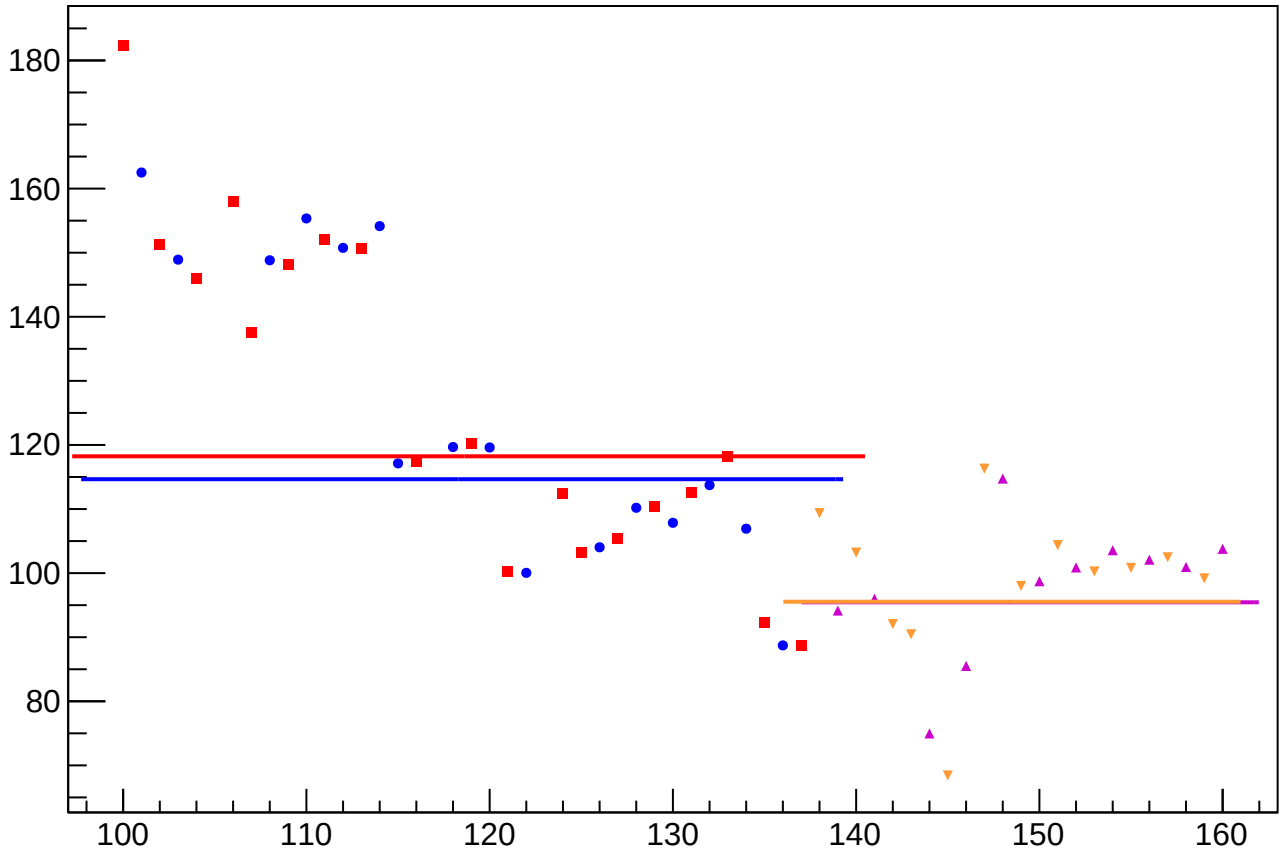
Left: 23.792+/-22.146 χ^2/NDF: 24.6/22

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 38.806+/-25.427 χ^2/NDF:21.3/26

Out: 27.375+/-25.513 χ^2/NDF:34.1/30

All: 33.110+/-18.010 χ^2/NDF: 55.4/57



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: 95.447+/-0.022 χ^2/NDF:239554.3/10

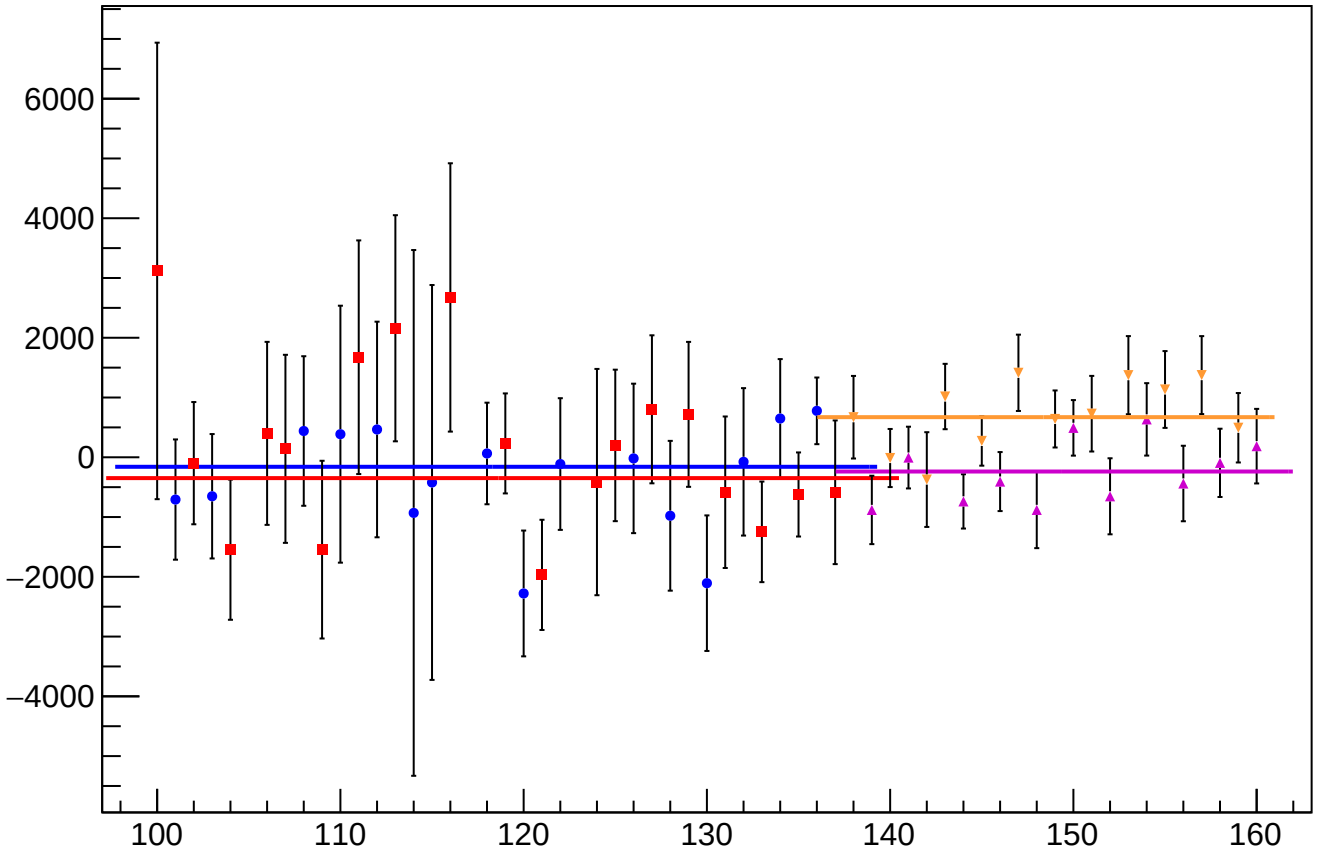
Left: 95.493+/-0.016 χ^2/NDF: 615511.5/22

Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.007+/-0.018 χ^2/NDF:1028179.2/26

Out: 103.156+/-0.018 χ^2/NDF:1212177.9/30

All: 102.579+/-0.013 χ^2/NDF: 2242392.3/57



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: -238.276+/-166.310 χ^2/NDF:9.4/10

Left: 218.793+/-117.304 χ^2/NDF: 33.8/22

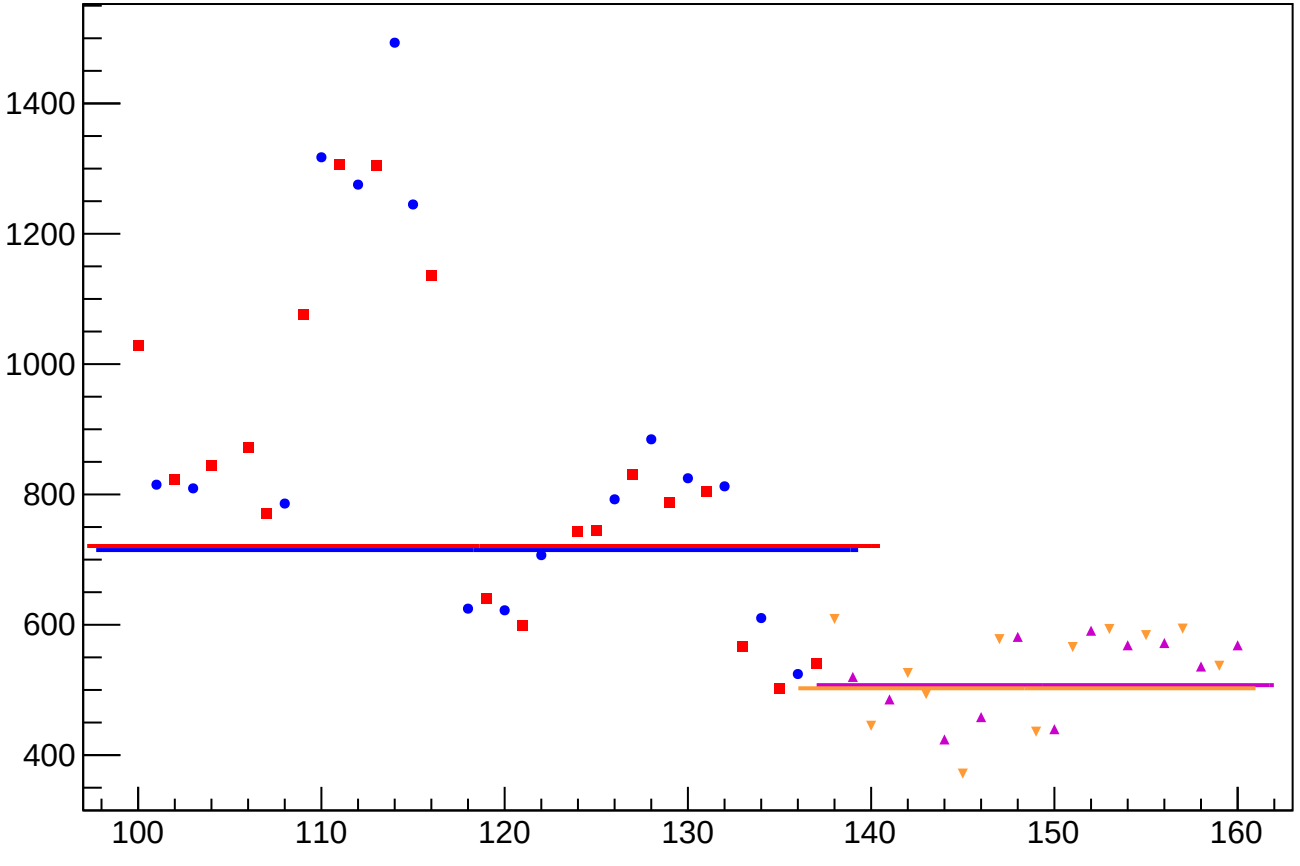
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -217.027+/-142.248 χ^2/NDF:21.4/26

Out: 398.155+/-141.595 χ^2/NDF:33.8/30

All: 91.980+/-100.353 χ^2/NDF: 64.6/57

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: 507.379+/-0.118 χ^2/NDF:260689.8/10

Left: 504.955+/-0.083 χ^2/NDF: 743617.2/22

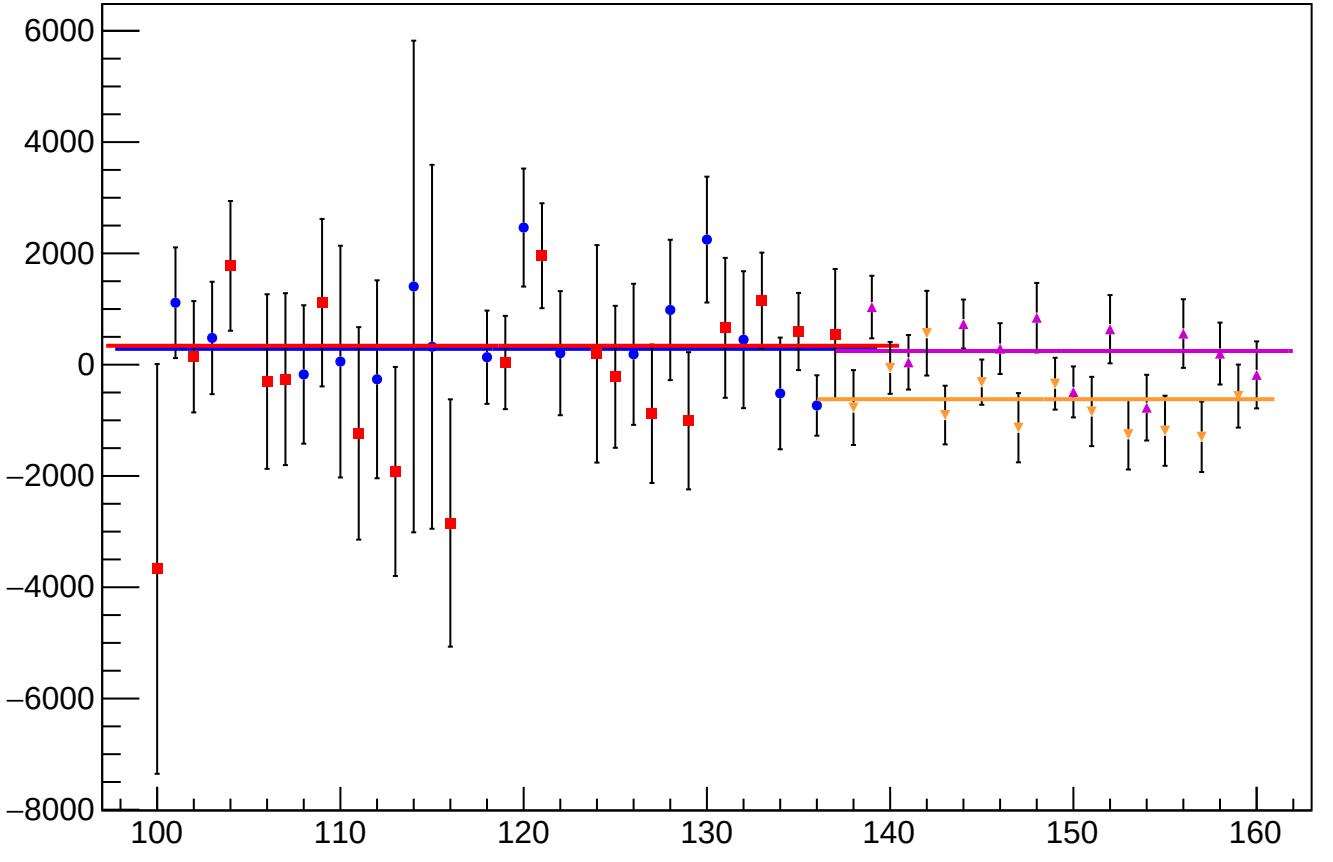
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 563.020+/-0.101 χ^2/NDF:1970902.5/26

Out: 561.034+/-0.100 χ^2/NDF:2432989.3/30

All: 562.022+/-0.071 χ^2/NDF: 4404087.8/57

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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: 245.729+/-160.667 χ^2/NDF:11.0/10

Left: -186.480+/-113.714 χ^2/NDF: 34.4/22

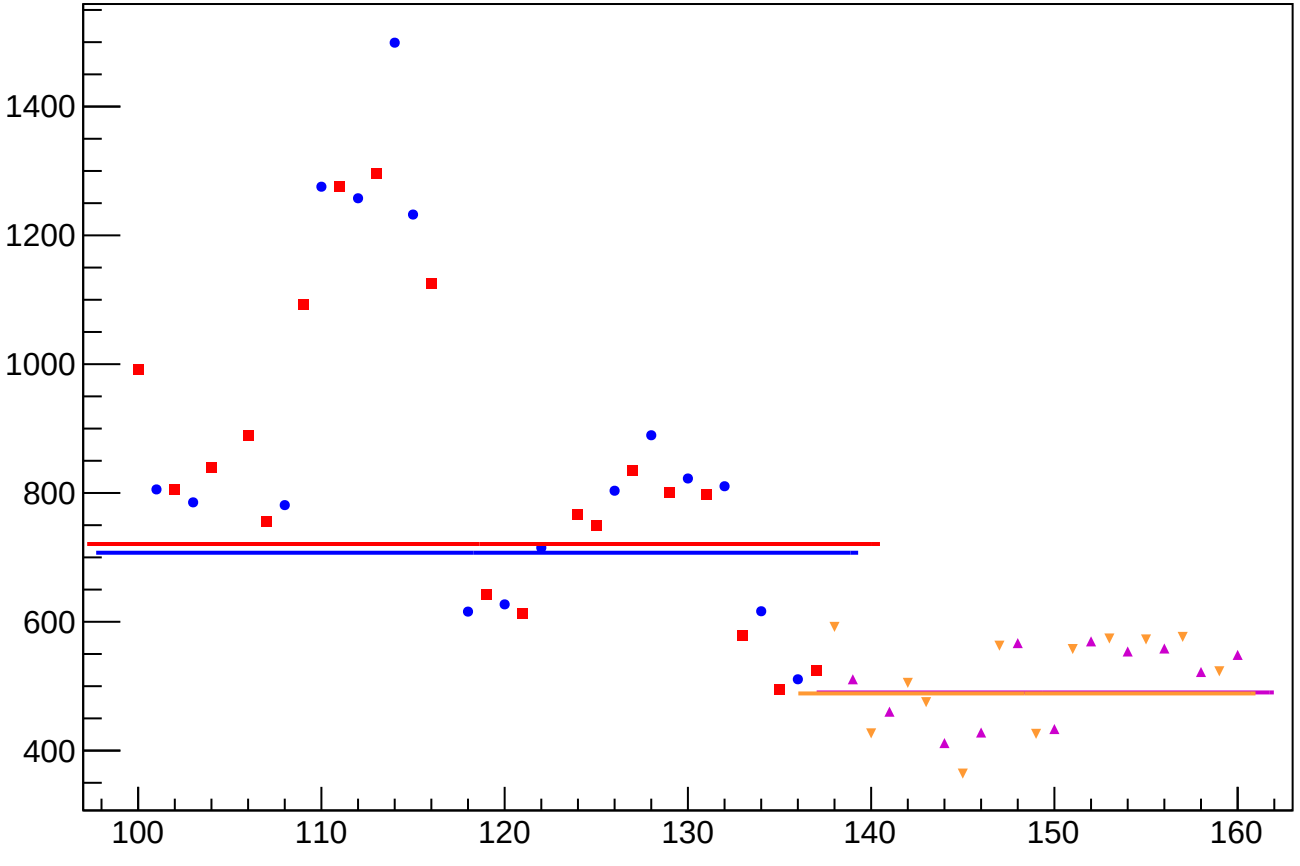
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 255.833+/-138.328 χ^2/NDF:23.8/26

Out: -373.378+/-138.737 χ^2/NDF:32.1/30

All: -57.845+/-97.957 χ^2/NDF: 66.3/57

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: 490.297+/-0.114 χ^2/NDF:277964.0/10

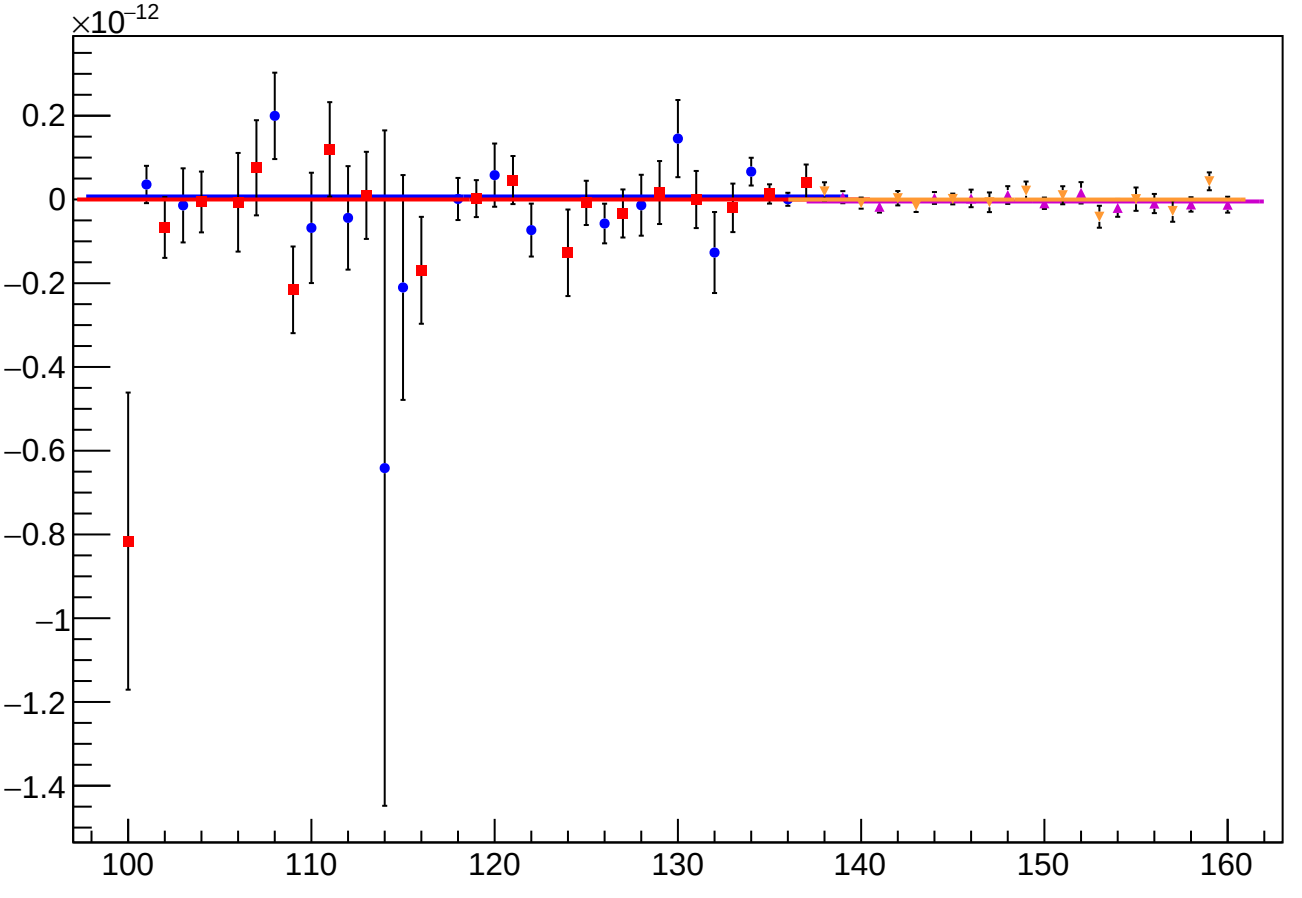
Left: 489.514+/-0.080 χ^2/NDF: 757365.4/22

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.421+/-0.098 χ^2/NDF:2117869.0/26

Out: 548.395+/-0.098 χ^2/NDF:2563310.1/30

All: 547.405+/-0.069 χ^2/NDF: 4681382.2/57



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:3.9/10

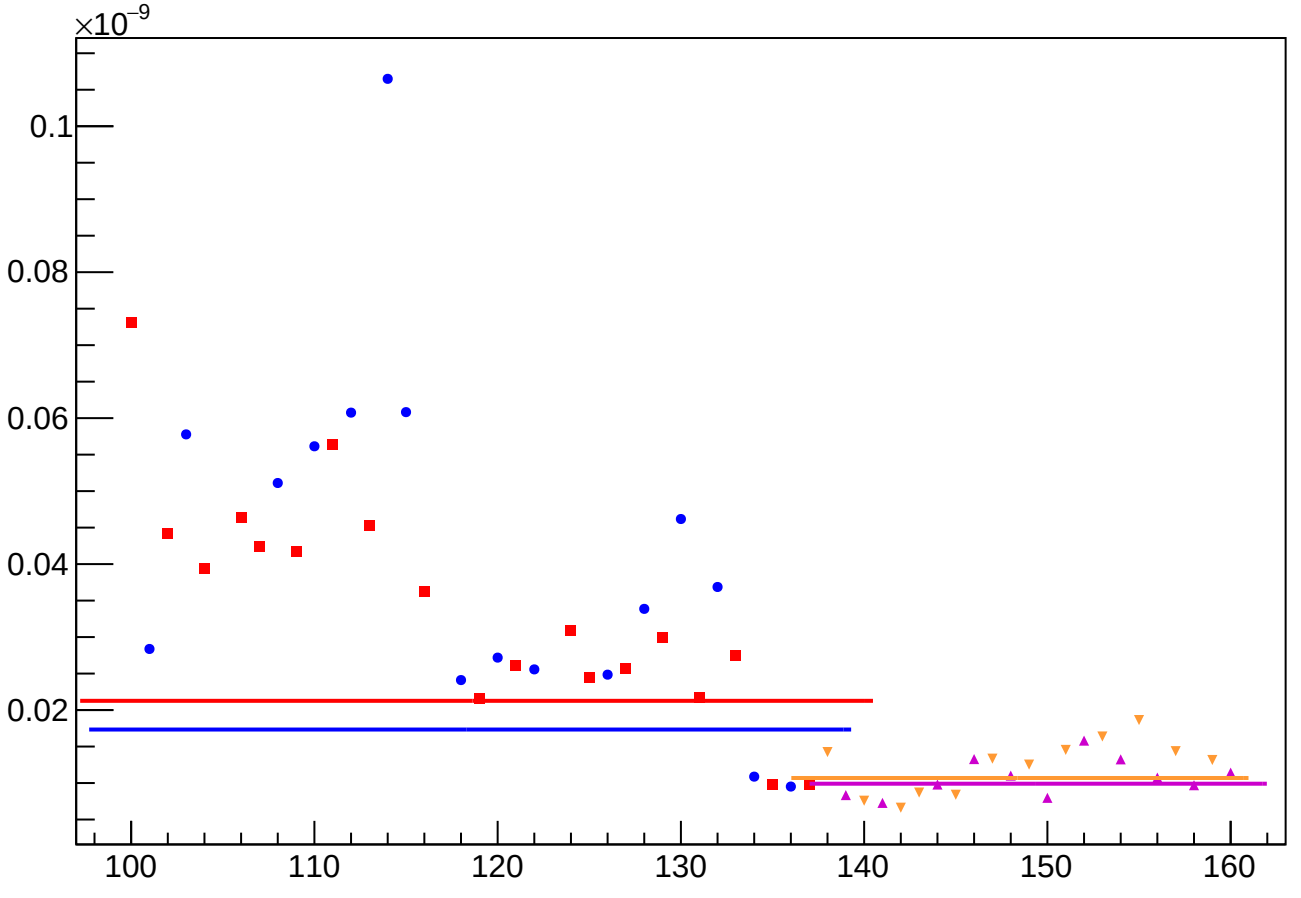
Left: -0.000+/-0.000 χ^2/NDF: 15.4/22

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:22.2/26

Out: -0.000+/-0.000 χ^2/NDF:28.9/30

All: -0.000+/-0.000 χ^2/NDF: 51.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:799543.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:362436.9/10

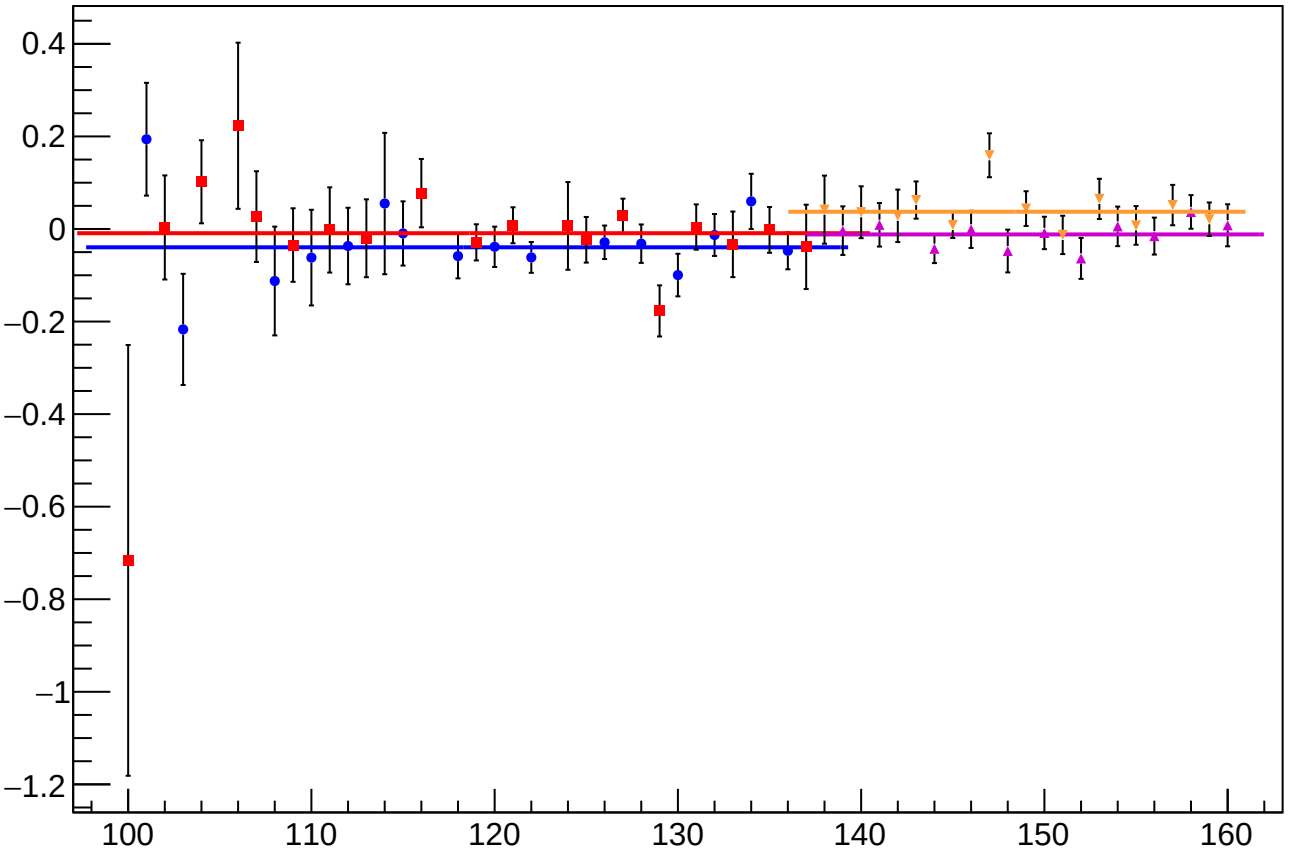
Left: 0.000+/-0.000 χ^2/NDF: 1183584.6/22

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3423643.6/26

Out: 0.000+/-0.000 χ^2/NDF:3540537.0/30

All: 0.000+/-0.000 χ^2/NDF: 7005661.2/57



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: -0.012+/-0.012 χ^2/NDF:5.4/10

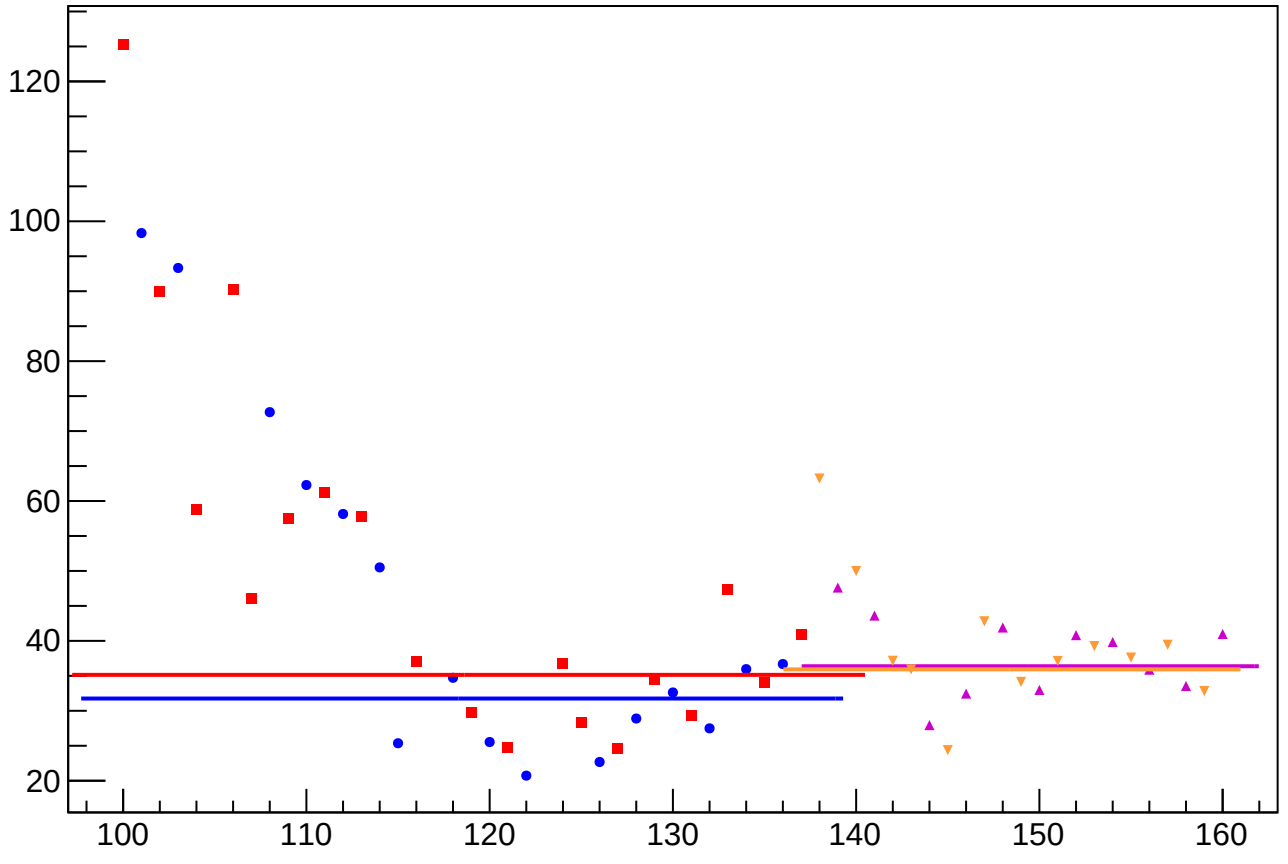
Left: 0.013+/-0.009 χ^2/NDF: 24.3/22

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.3/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/57



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: 36.372+/-0.009 χ^2/NDF:419032.4/10

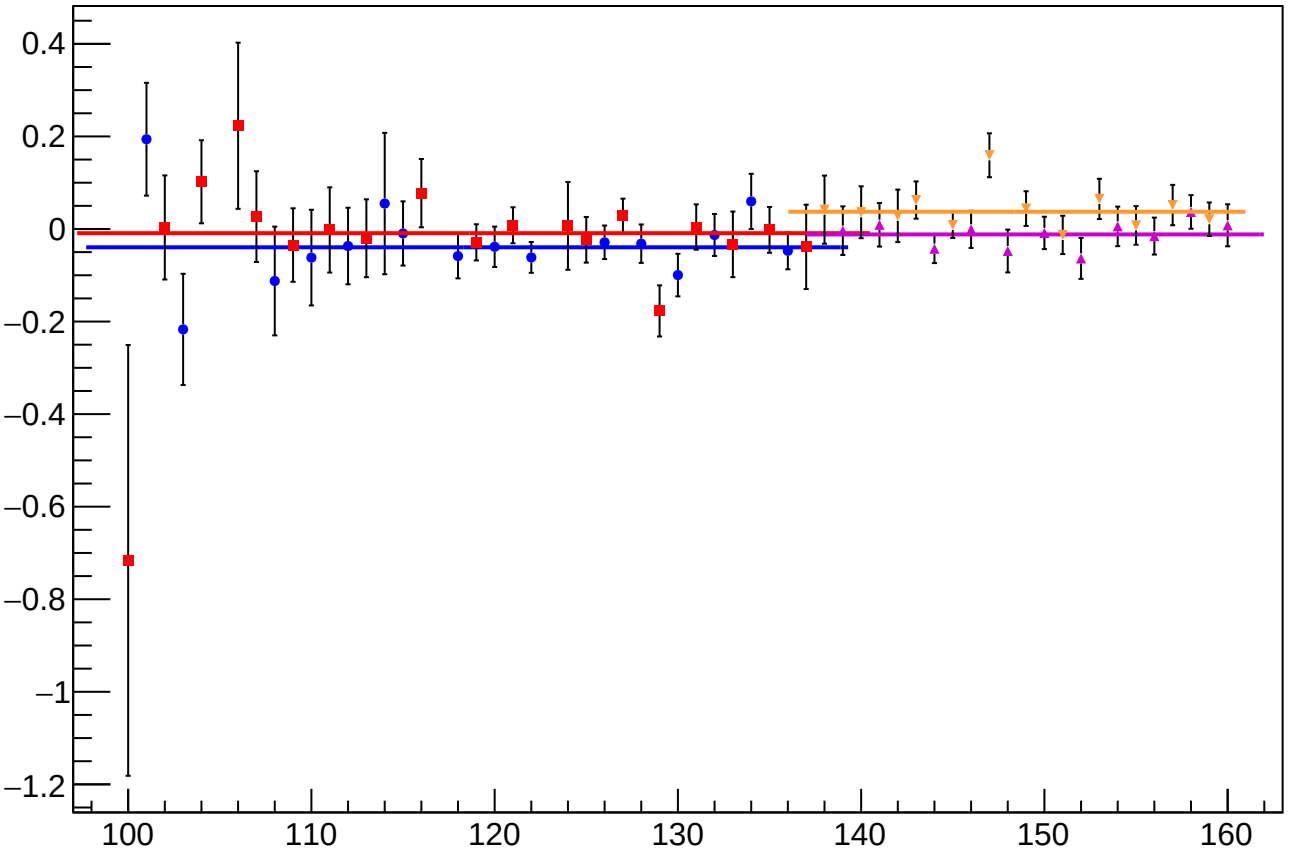
Left: 36.147+/-0.006 χ^2/NDF: 1249764.1/22

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.233+/-0.006 χ^2/NDF:2803456.1/26

Out: 35.594+/-0.007 χ^2/NDF:2677625.7/30

All: 34.895+/-0.005 χ^2/NDF: 5503548.6/57



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: -0.012+/-0.012 χ^2/NDF:5.4/10

Left: 0.013+/-0.009 χ^2/NDF: 24.3/22

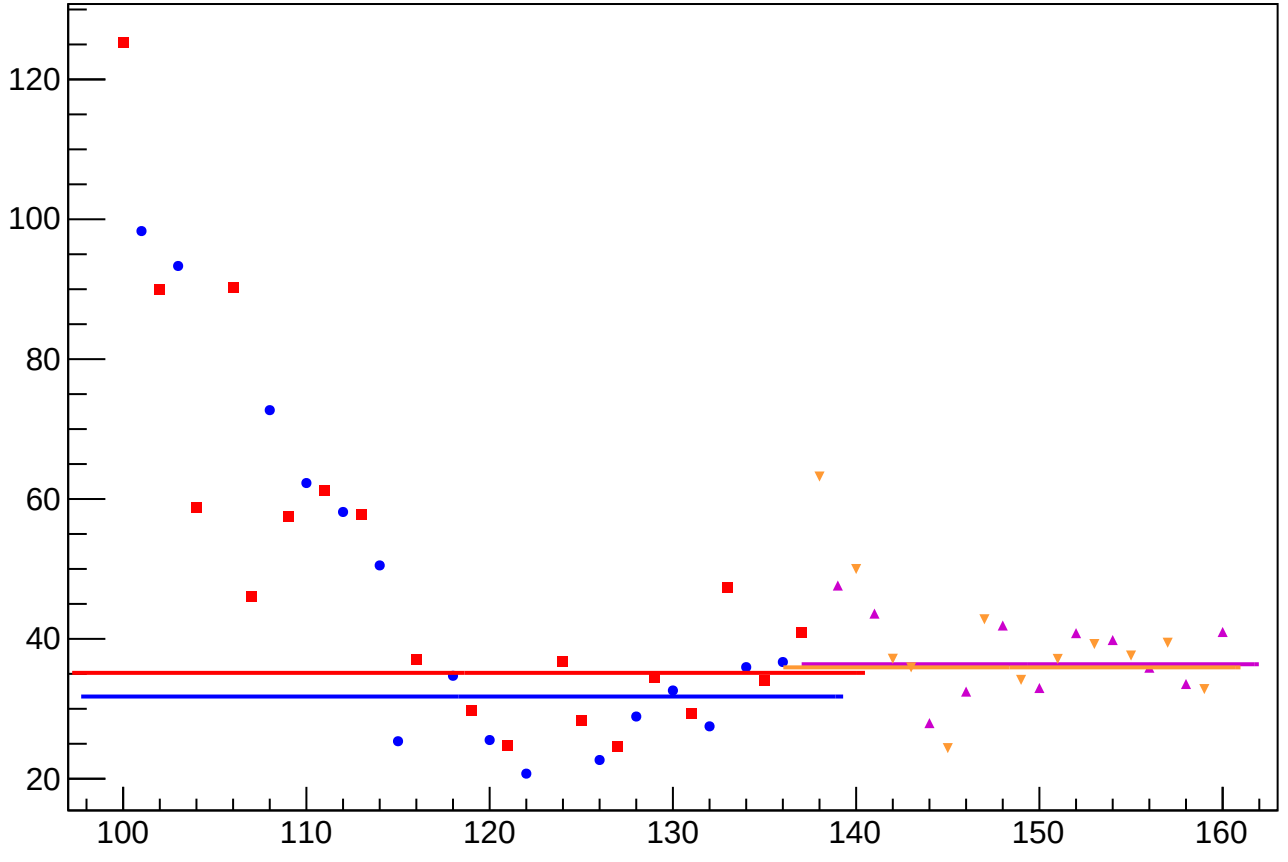
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.3/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/57

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: 36.372+/-0.009 χ^2/NDF:419032.4/10

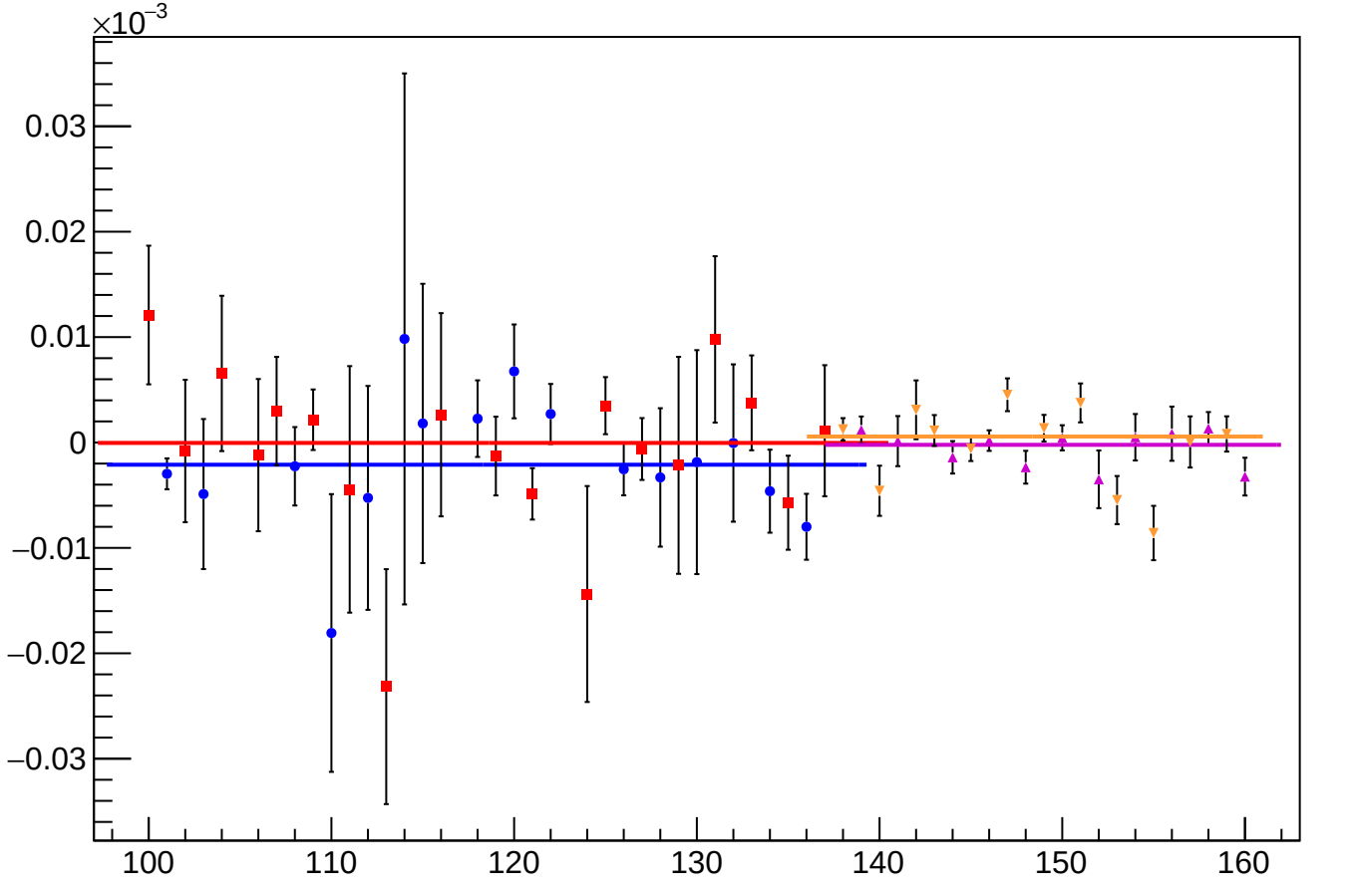
Left: 36.147+/-0.006 χ^2/NDF: 1249764.1/22

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.233+/-0.006 χ^2/NDF:2803456.1/26

Out: 35.594+/-0.007 χ^2/NDF:2677625.7/30

All: 34.895+/-0.005 χ^2/NDF: 5503548.6/57



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:9.7/10

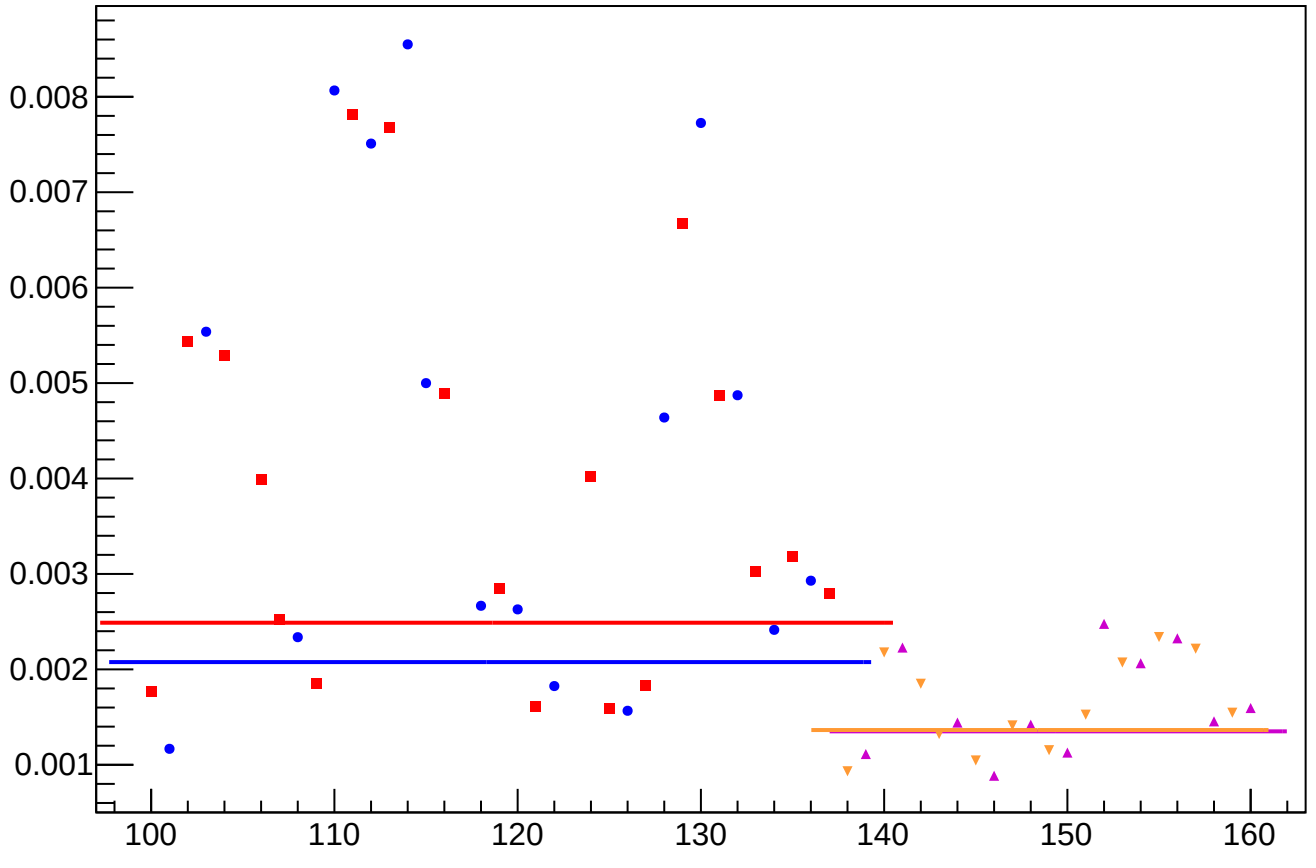
Left: 0.000+/-0.000 χ^2/NDF: 47.6/22

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:27.8/26

Out: 0.000+/-0.000 χ^2/NDF:58.2/30

All: -0.000+/-0.000 χ^2/NDF: 89.3/57



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:1757588.6/10

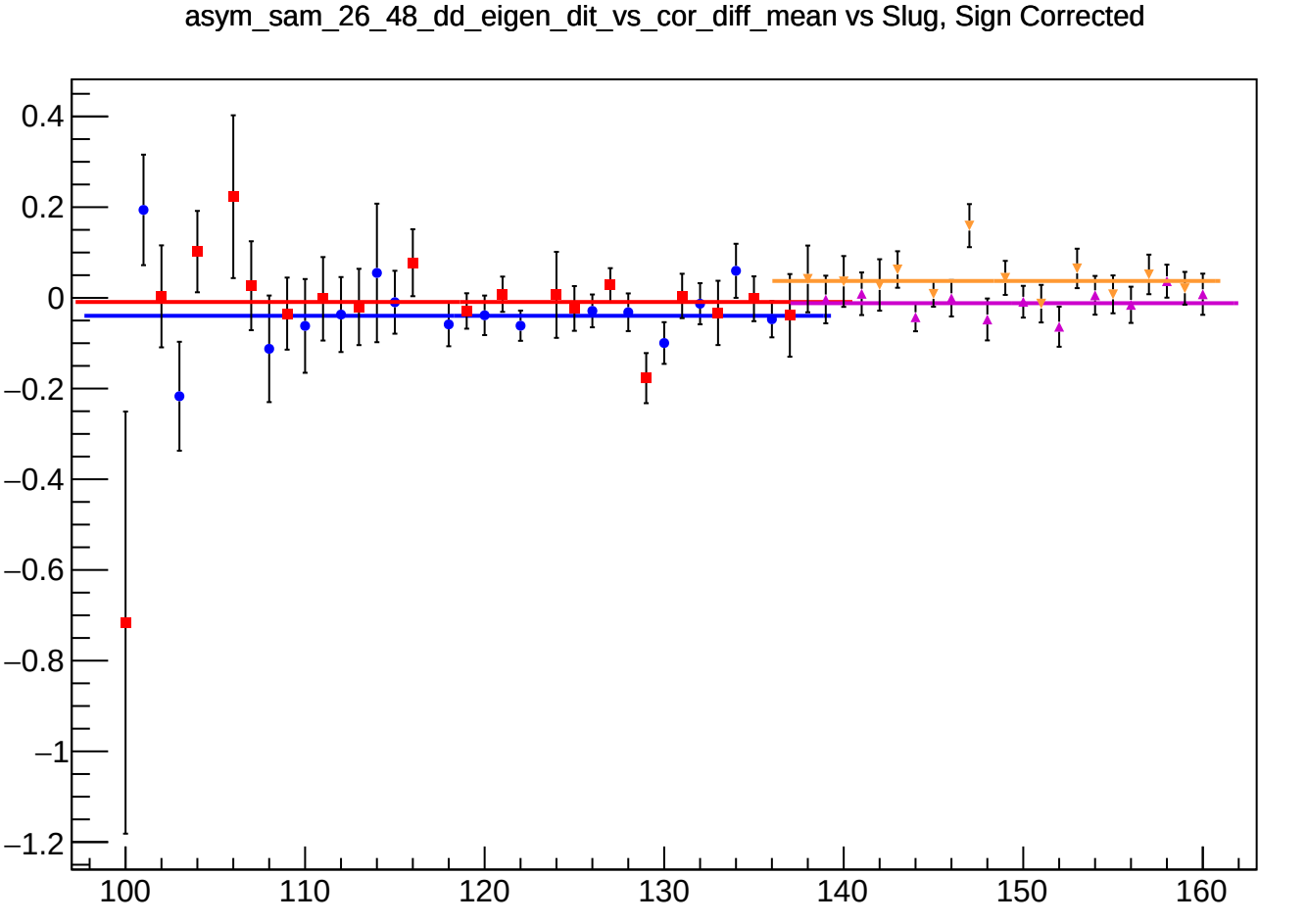
Left: 0.001+/-0.000 χ^2/NDF: 3352935.0/22

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:6681914.2/26

Out: 0.002+/-0.000 χ^2/NDF:6625742.8/30

All: 0.002+/-0.000 χ^2/NDF: 13321920.2/57



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: -0.012+/-0.012 χ^2/NDF:5.4/10

Left: 0.013+/-0.009 χ^2/NDF: 24.3/22

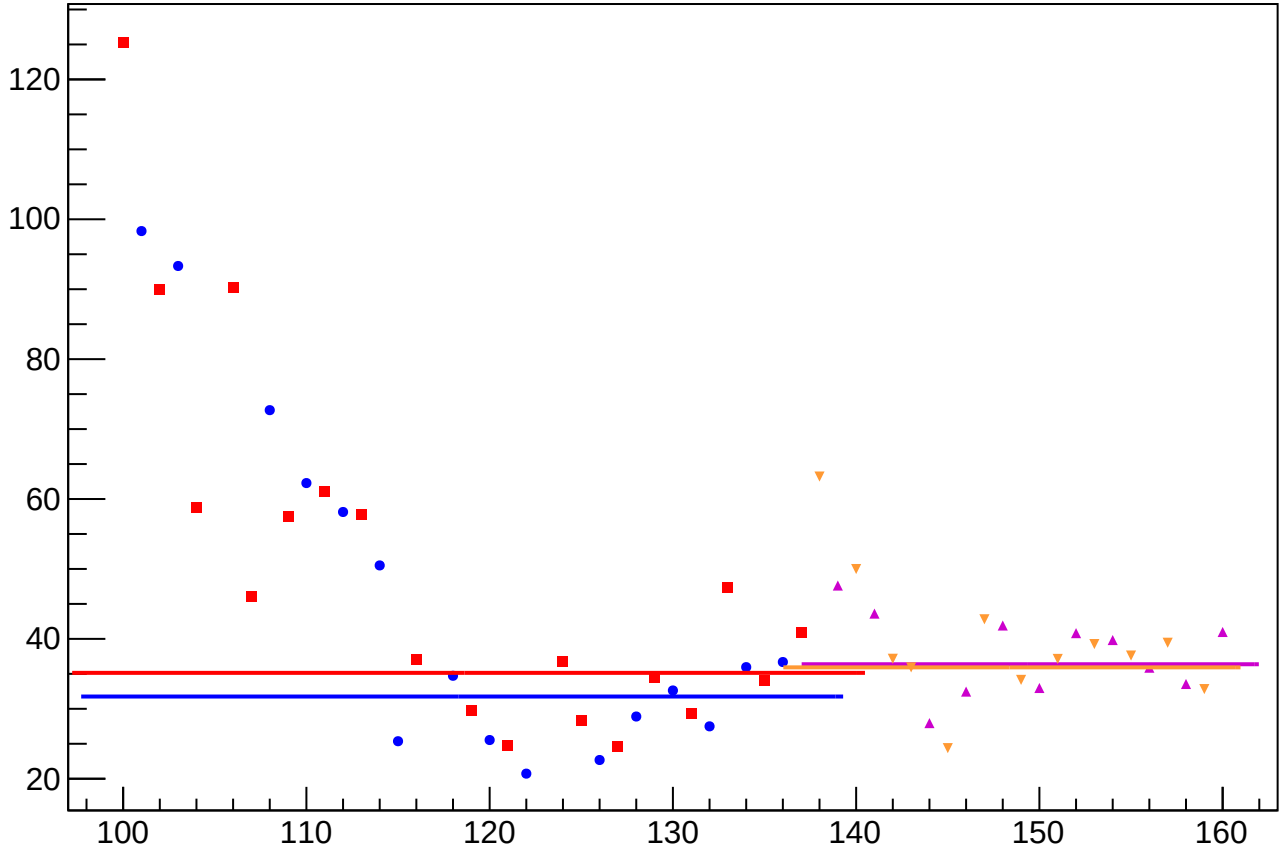
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.2/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/57

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: 36.372+/-0.009 χ^2/NDF:419033.6/10

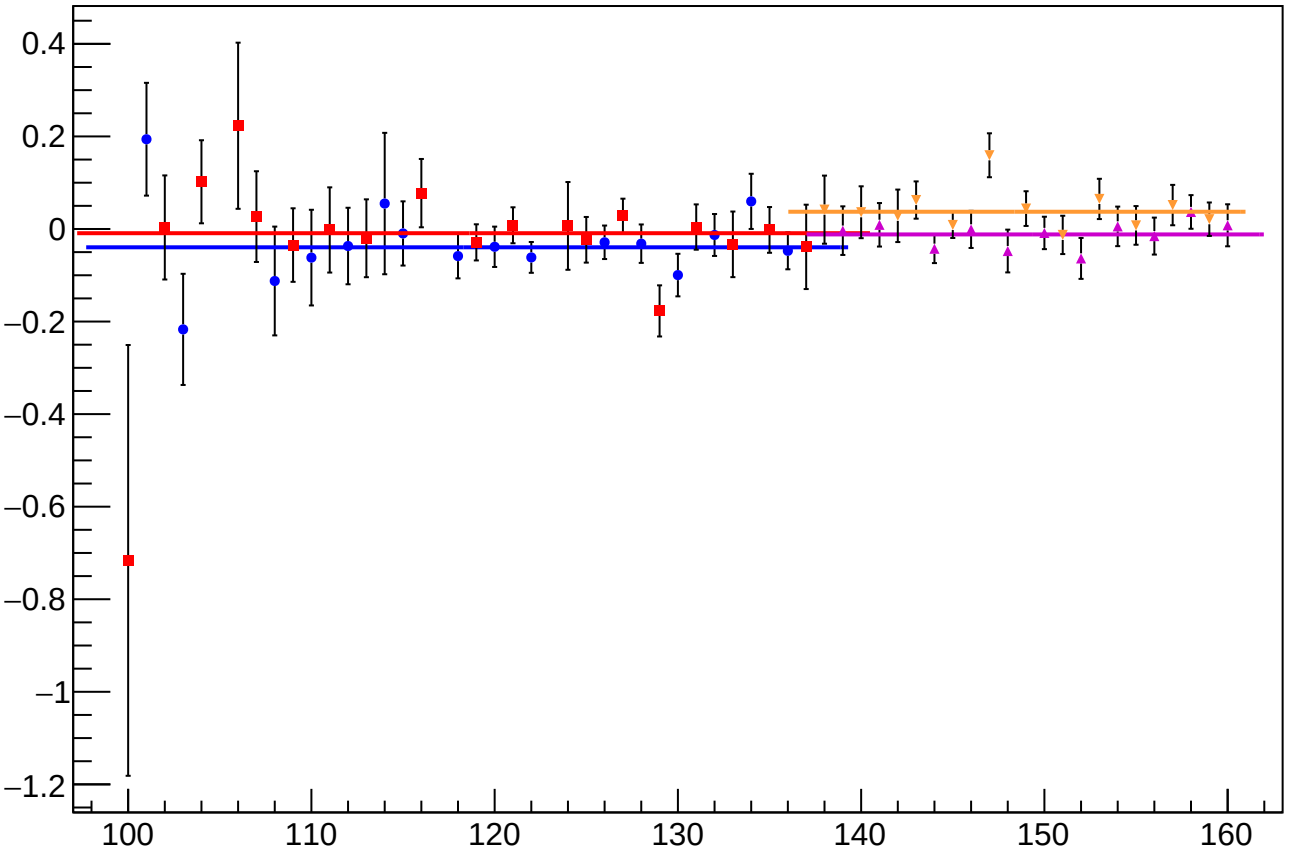
Left: 36.147+/-0.006 χ^2/NDF: 1249794.1/22

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.233+/-0.006 χ^2/NDF:2803419.0/26

Out: 35.594+/-0.007 χ^2/NDF:2677546.7/30

All: 34.895+/-0.005 χ^2/NDF: 5503431.7/57



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: -0.012+/-0.012 χ^2/NDF:5.4/10

Left: 0.013+/-0.009 χ^2/NDF: 24.3/22

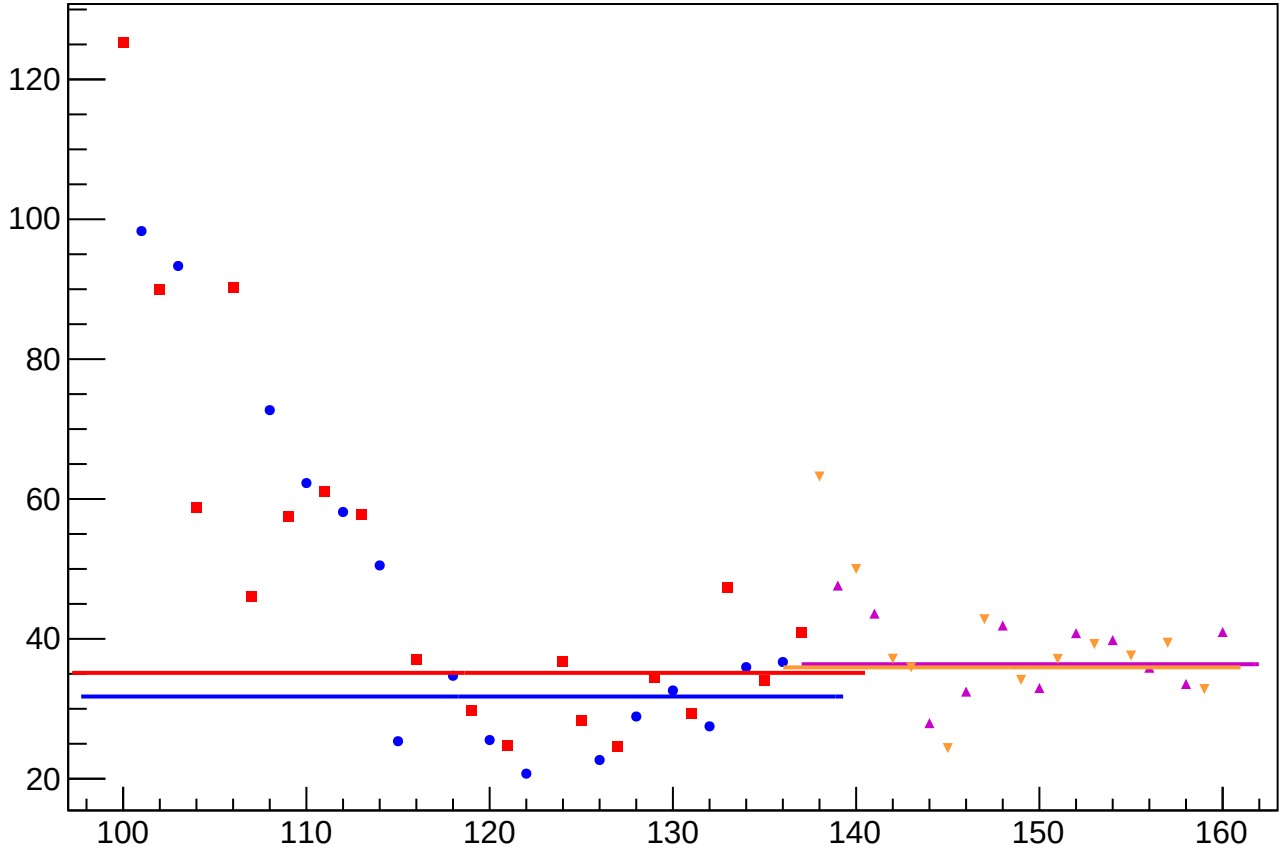
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.2/30

All: -0.004+/-0.006 χ^2/NDF: 66.3/57

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: 36.372+/-0.009 χ^2/NDF:419033.6/10

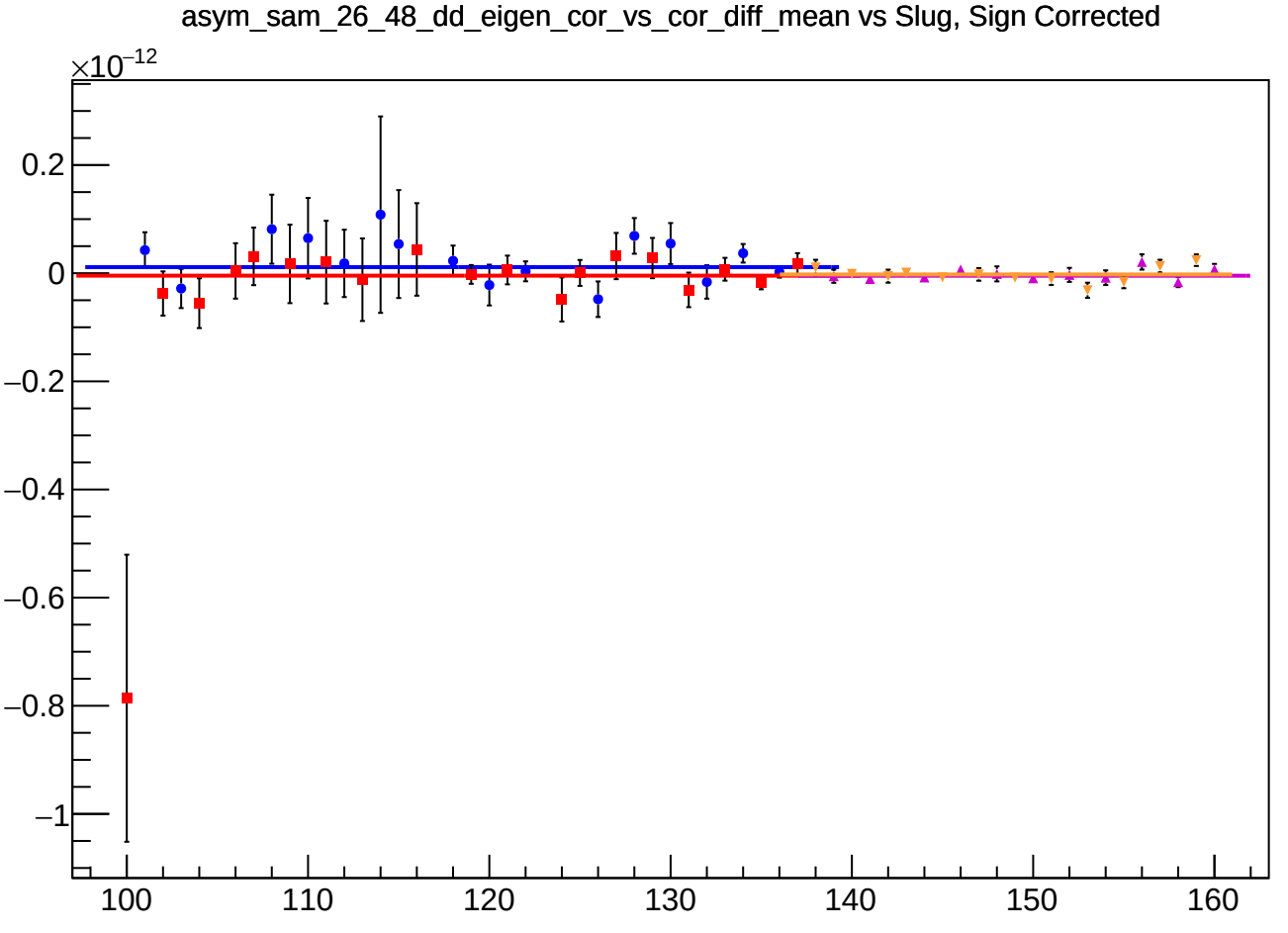
Left: 36.147+/-0.006 χ^2/NDF: 1249794.1/22

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.233+/-0.006 χ^2/NDF:2803419.0/26

Out: 35.594+/-0.007 χ^2/NDF:2677546.7/30

All: 34.895+/-0.005 χ^2/NDF: 5503431.7/57



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:9.3/10

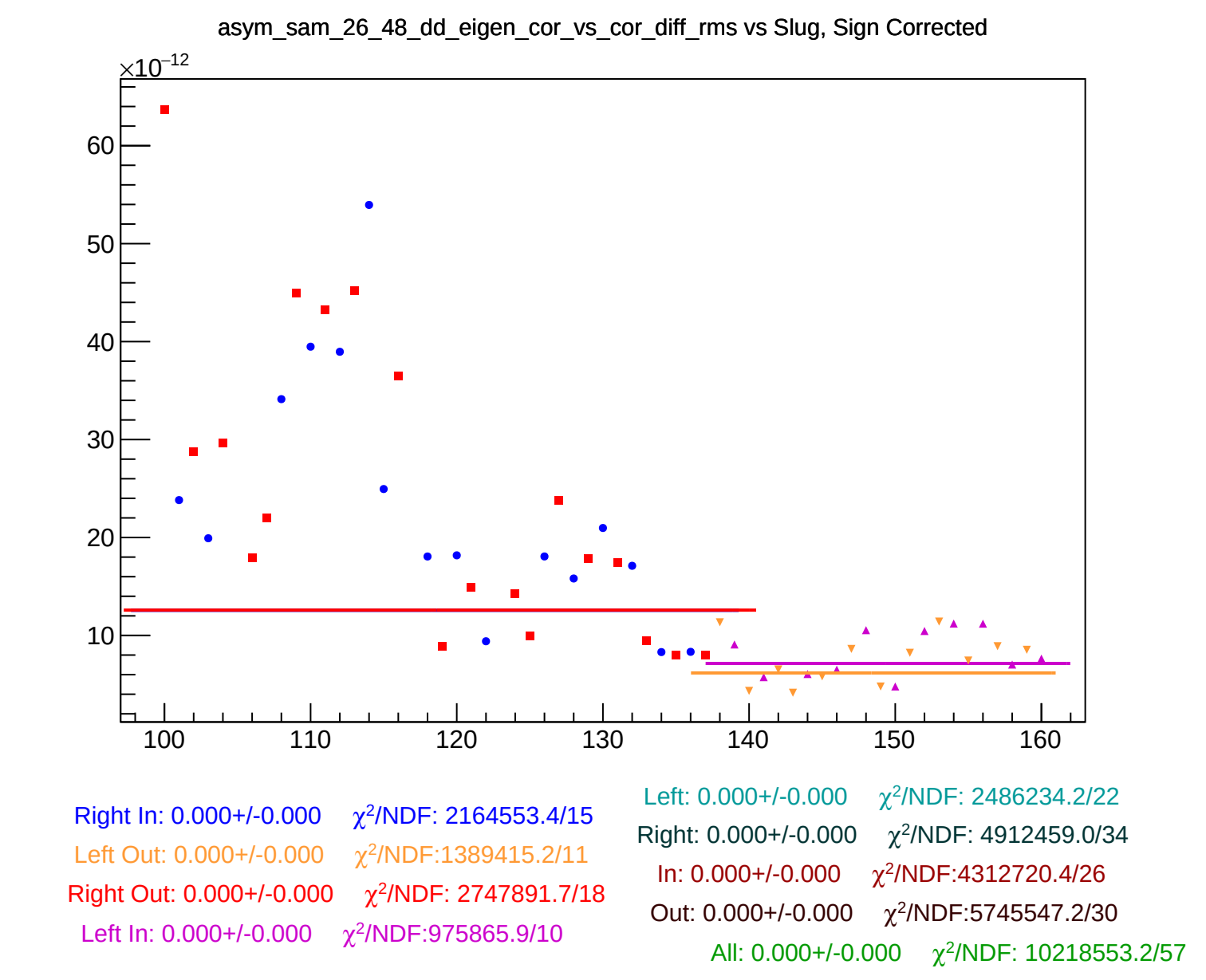
Left: -0.000+/-0.000 χ^2/NDF: 25.7/22

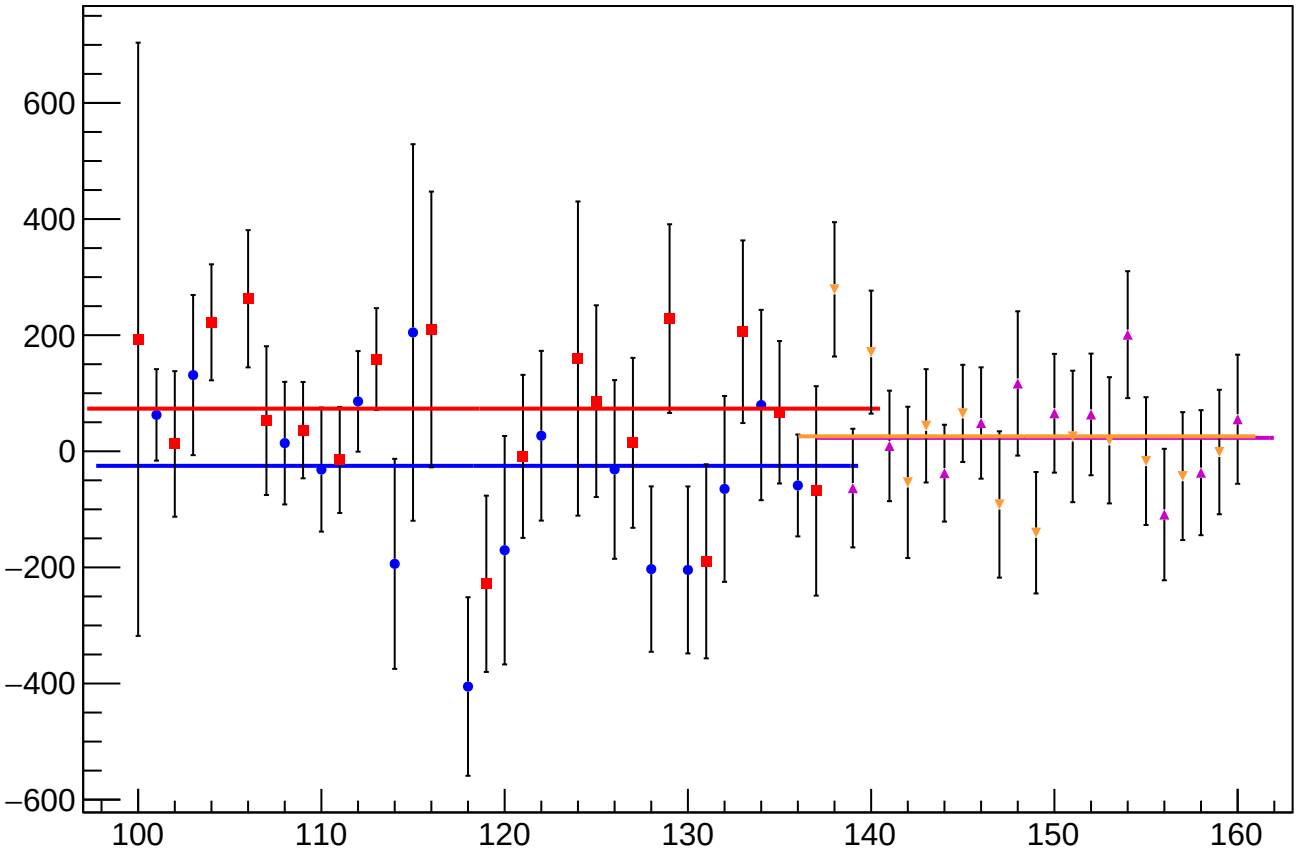
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.1/26

Out: -0.000+/-0.000 χ^2/NDF:33.6/30

All: -0.000+/-0.000 χ^2/NDF: 64.8/57


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:975865.9/10
Left: 0.000+/-0.000 χ²/NDF: 2486234.2/22
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4312720.4/26
Out: 0.000+/-0.000 χ²/NDF:5745547.2/30
All: 0.000+/-0.000 χ²/NDF: 10218553.2/57



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: 23.146+/-31.026 χ^2/NDF:6.6/10

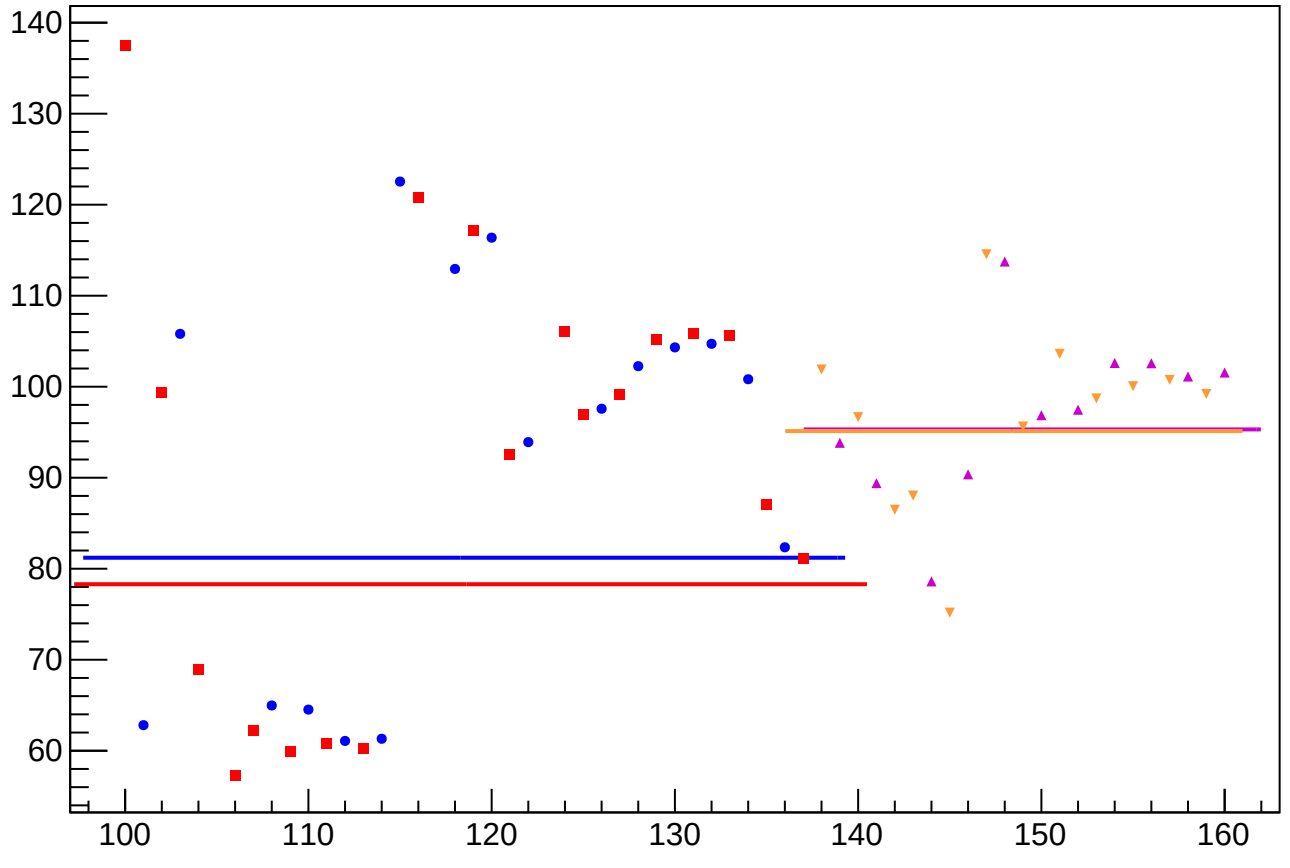
Left: 24.470+/-21.937 χ^2/NDF: 17.9/22

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -0.805+/-22.010 χ^2/NDF:24.0/26

Out: 50.474+/-21.541 χ^2/NDF:29.3/30

All: 25.388+/-15.395 χ^2/NDF: 56.1/57



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: 95.308+/-0.022 χ^2/NDF:168247.0/10

Left: 95.217+/-0.016 χ^2/NDF: 381494.5/22

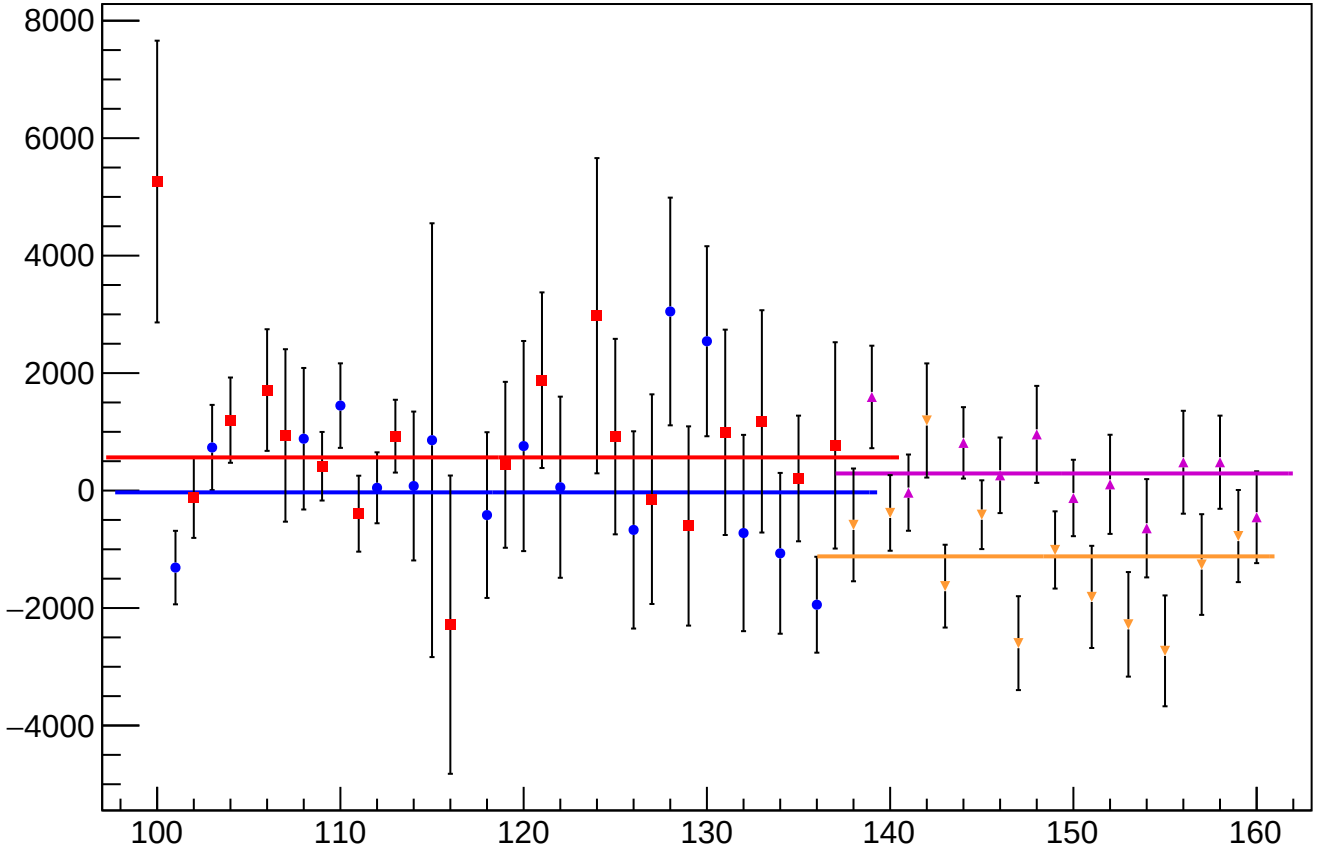
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 88.305+/-0.016 χ^2/NDF:1161049.0/26

Out: 86.413+/-0.015 χ^2/NDF:1452684.9/30

All: 87.338+/-0.011 χ^2/NDF: 2621282.7/57

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: 291.357+/-223.605 χ^2/NDF:6.6/10

Left: -415.442+/-158.011 χ^2/NDF: 44.7/22

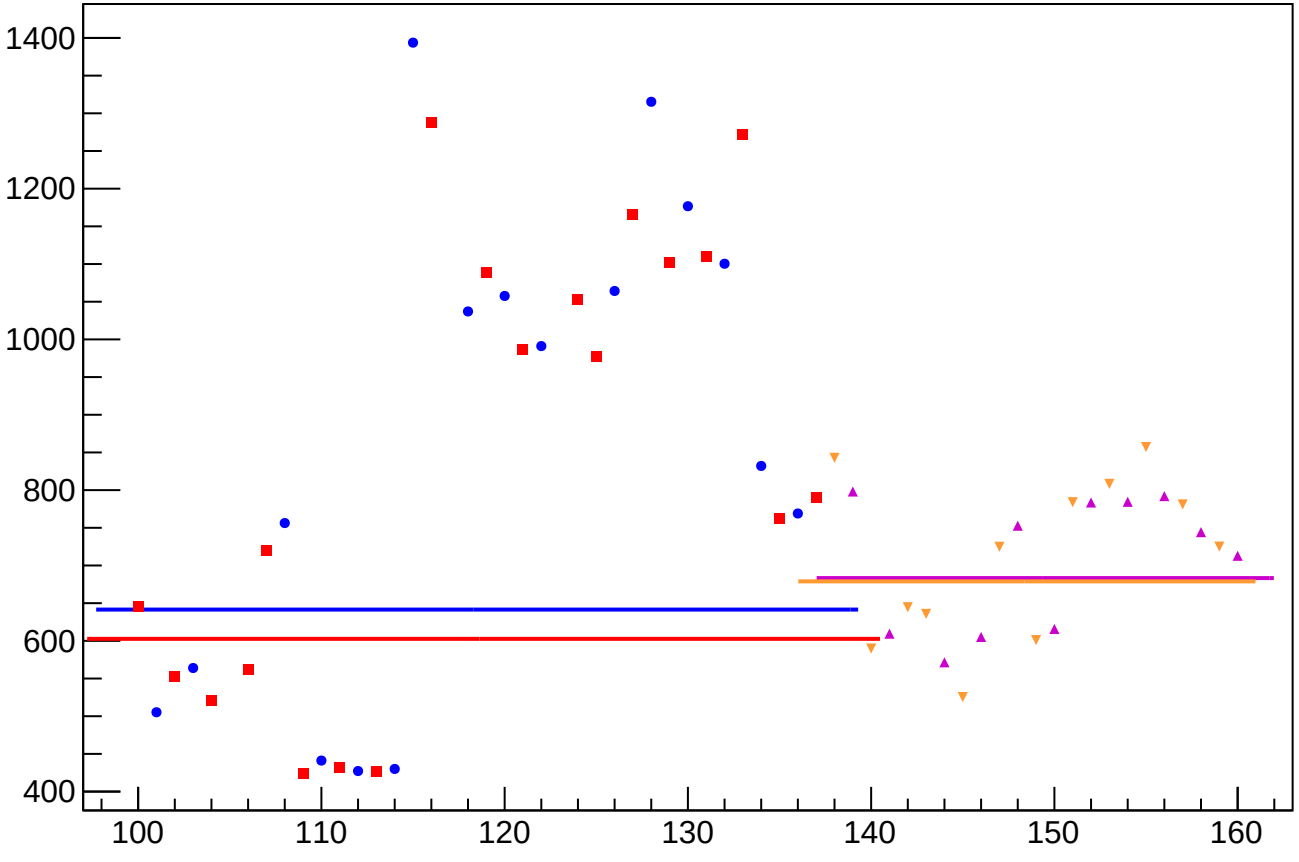
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 152.725+/-168.692 χ^2/NDF:29.4/26

Out: -333.086+/-163.010 χ^2/NDF:58.1/30

All: -98.500+/-117.223 χ^2/NDF: 91.7/57

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



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: 683.271+/-0.158 χ^2/NDF:296294.7/10

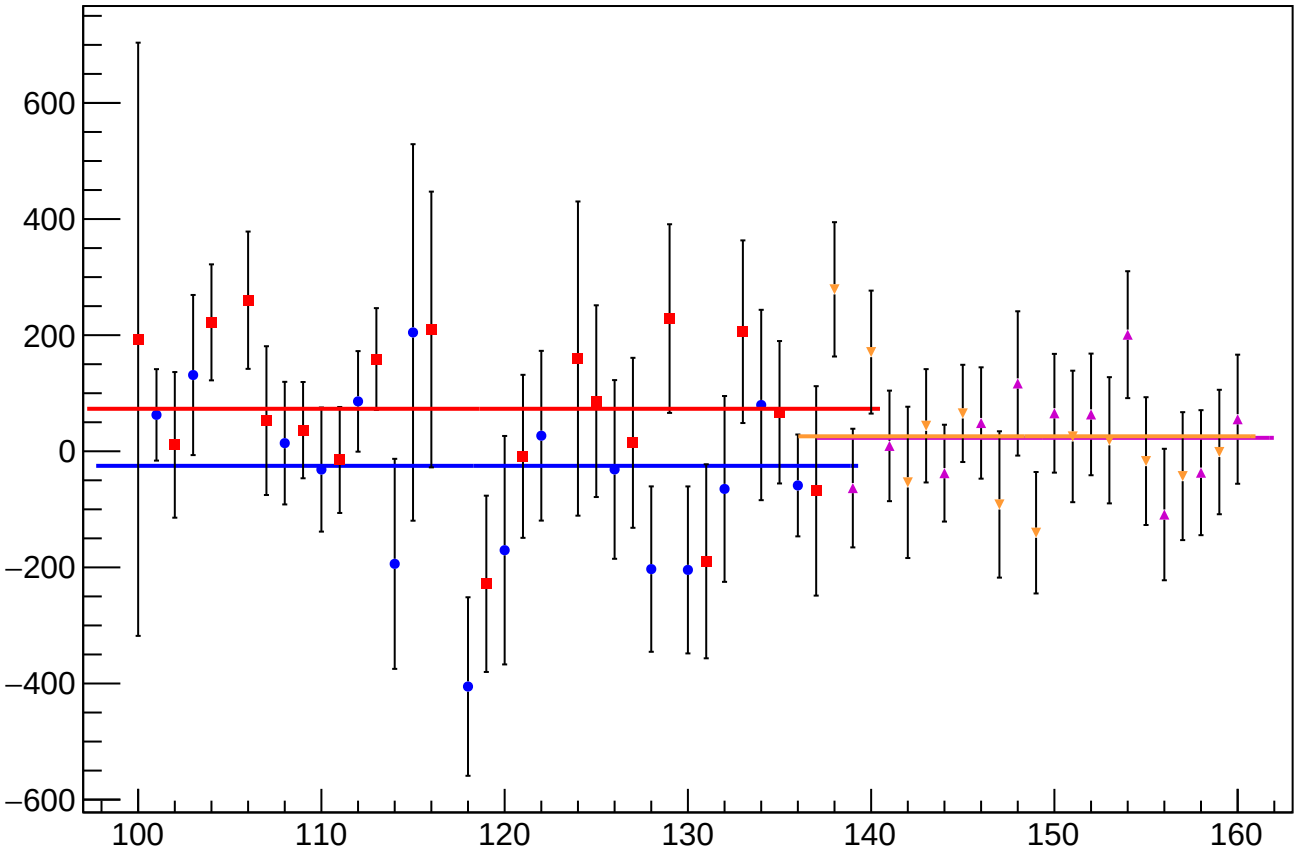
Left: 681.094+/-0.112 χ^2/NDF: 753373.0/22

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 665.274+/-0.119 χ^2/NDF:2201359.0/26

Out: 643.291+/-0.115 χ^2/NDF:2635988.2/30

All: 653.906+/-0.083 χ^2/NDF: 4854909.7/57



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: 23.149+/-31.026 χ^2/NDF:6.6/10

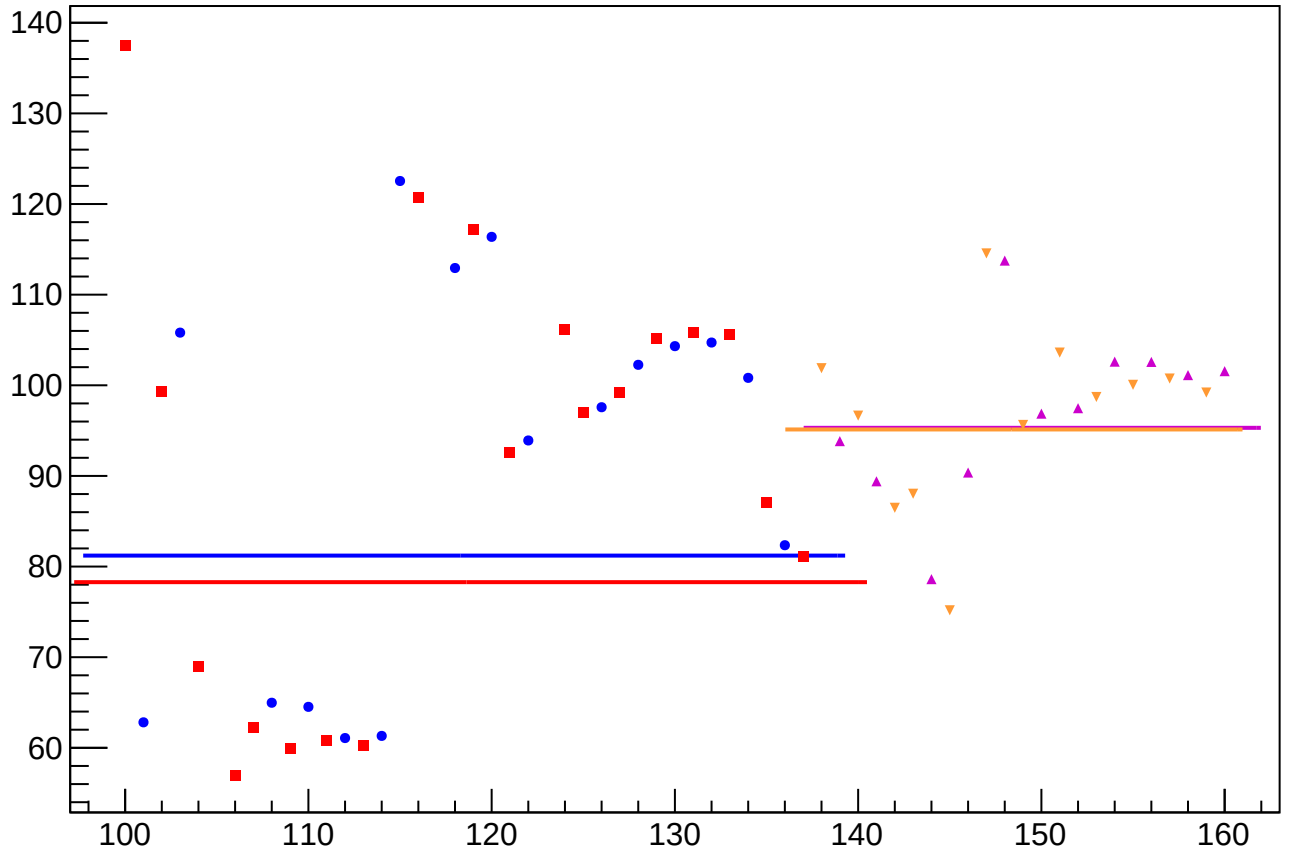
Left: 24.472+/-21.937 χ^2/NDF: 17.9/22

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -0.805+/-22.010 χ^2/NDF:24.0/26

Out: 50.336+/-21.541 χ^2/NDF:29.2/30

All: 25.316+/-15.395 χ^2/NDF: 56.0/57



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: 95.308+/-0.022 χ^2/NDF:168247.0/10

Left: 95.217+/-0.016 χ^2/NDF: 381494.5/22

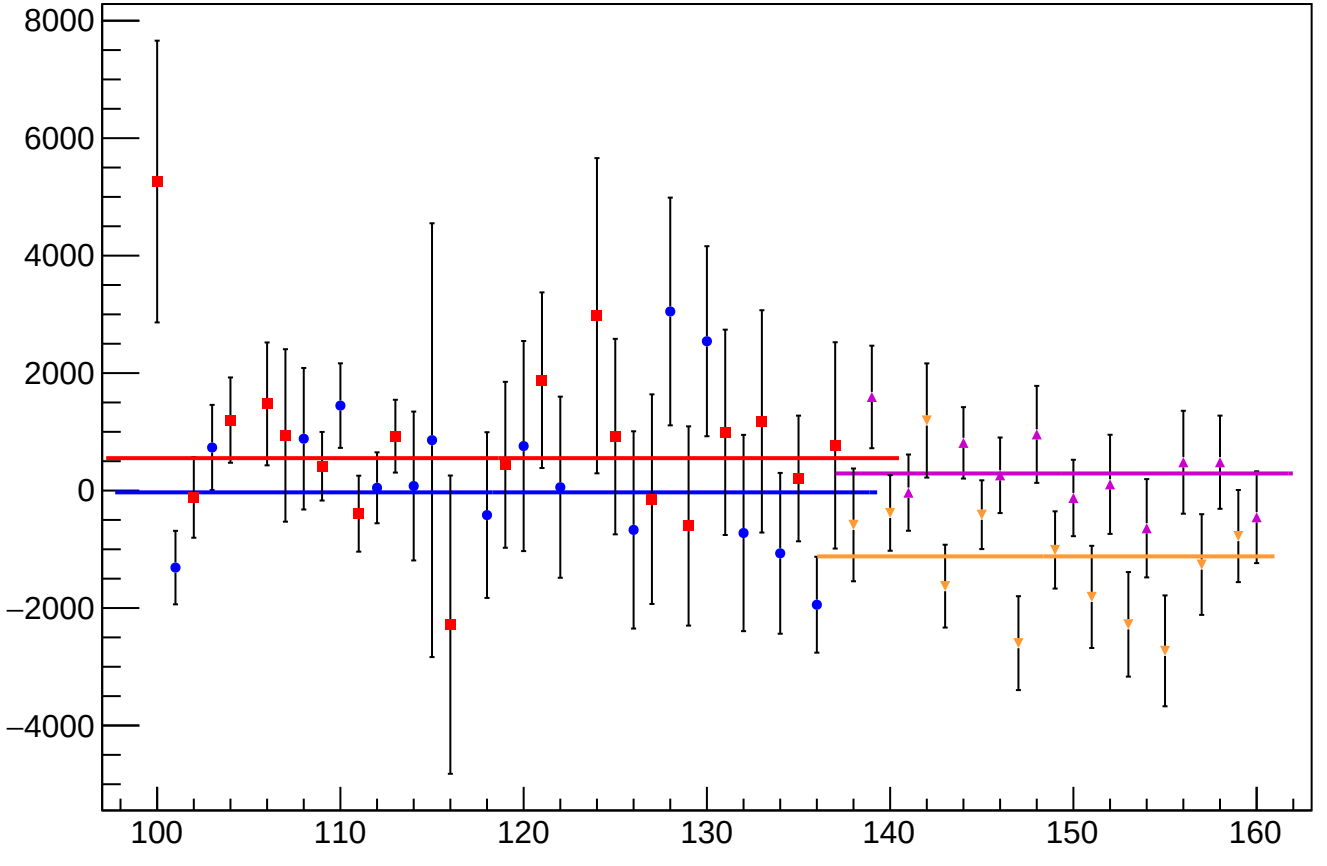
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 88.305+/-0.016 χ^2/NDF:1161050.8/26

Out: 86.404+/-0.015 χ^2/NDF:1455480.9/30

All: 87.334+/-0.011 χ^2/NDF: 2624153.5/57

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: 291.364+/-223.605 χ^2/NDF:6.6/10

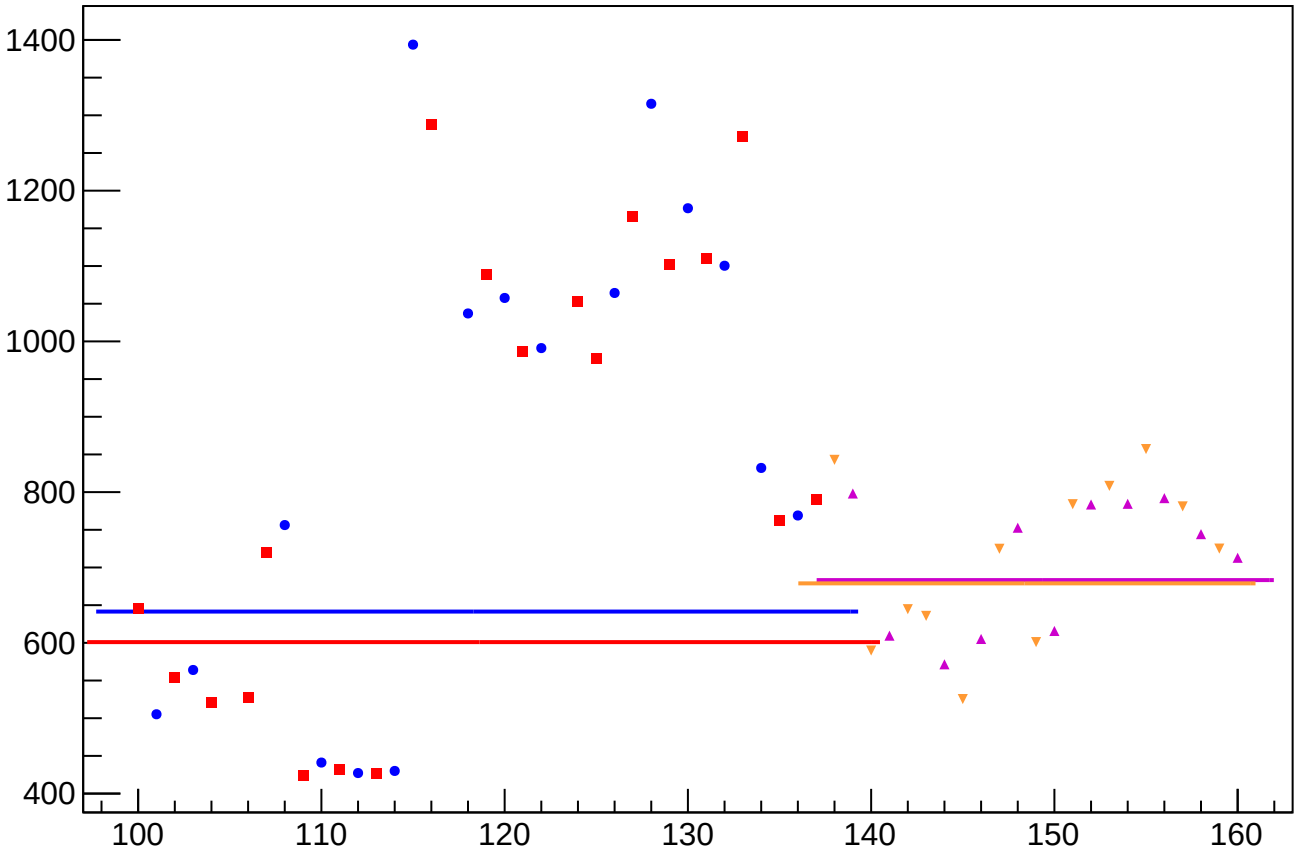
Left: -415.438+/-158.011 χ^2/NDF: 44.7/22

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 152.719+/-168.693 χ^2/NDF:29.4/26

Out: -339.648+/-163.057 χ^2/NDF:57.2/30

All: -101.826+/-117.241 χ^2/NDF: 90.9/57



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: 683.271+/-0.158 χ^2/NDF:296292.3/10

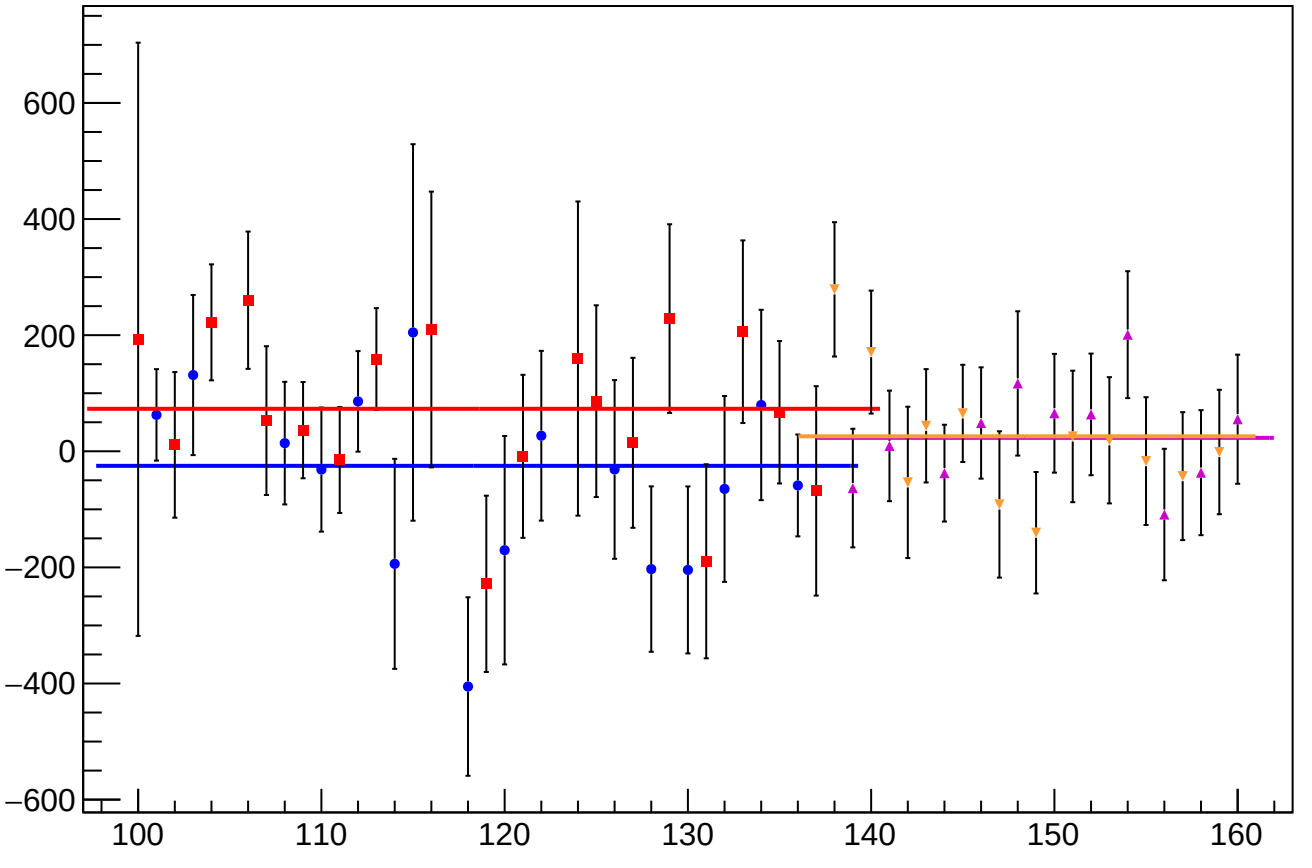
Left: 681.094+/-0.112 χ^2/NDF: 753372.4/22

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 665.278+/-0.119 χ^2/NDF:2201302.4/26

Out: 642.531+/-0.115 χ^2/NDF:2647688.4/30

All: 653.518+/-0.083 χ^2/NDF: 4867790.2/57



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: 23.149+/-31.026 χ^2/NDF:6.6/10

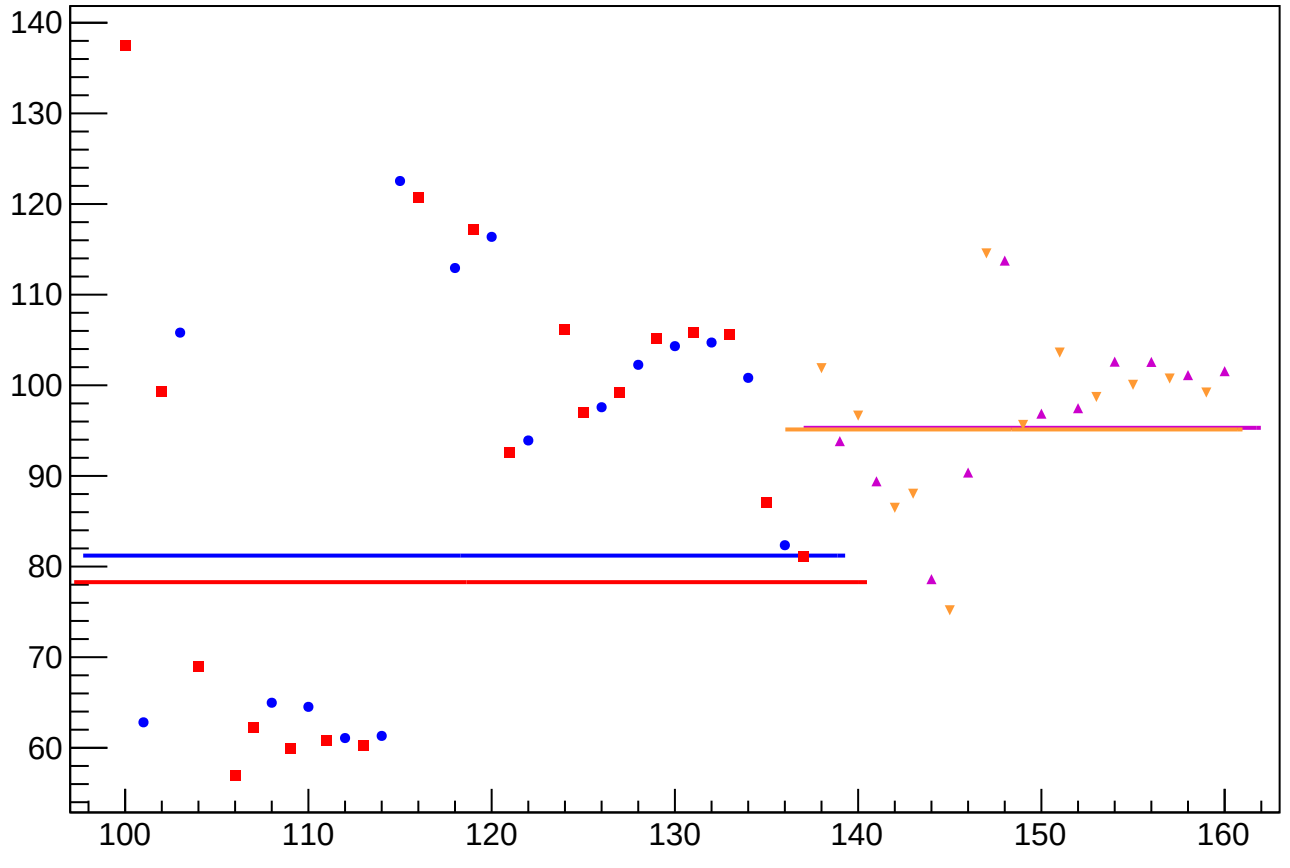
Left: 24.472+/-21.937 χ^2/NDF: 17.9/22

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -0.805+/-22.010 χ^2/NDF:24.0/26

Out: 50.336+/-21.541 χ^2/NDF:29.2/30

All: 25.316+/-15.395 χ^2/NDF: 56.0/57



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: 95.308+/-0.022 χ^2/NDF:168247.0/10

Left: 95.217+/-0.016 χ^2/NDF: 381494.5/22

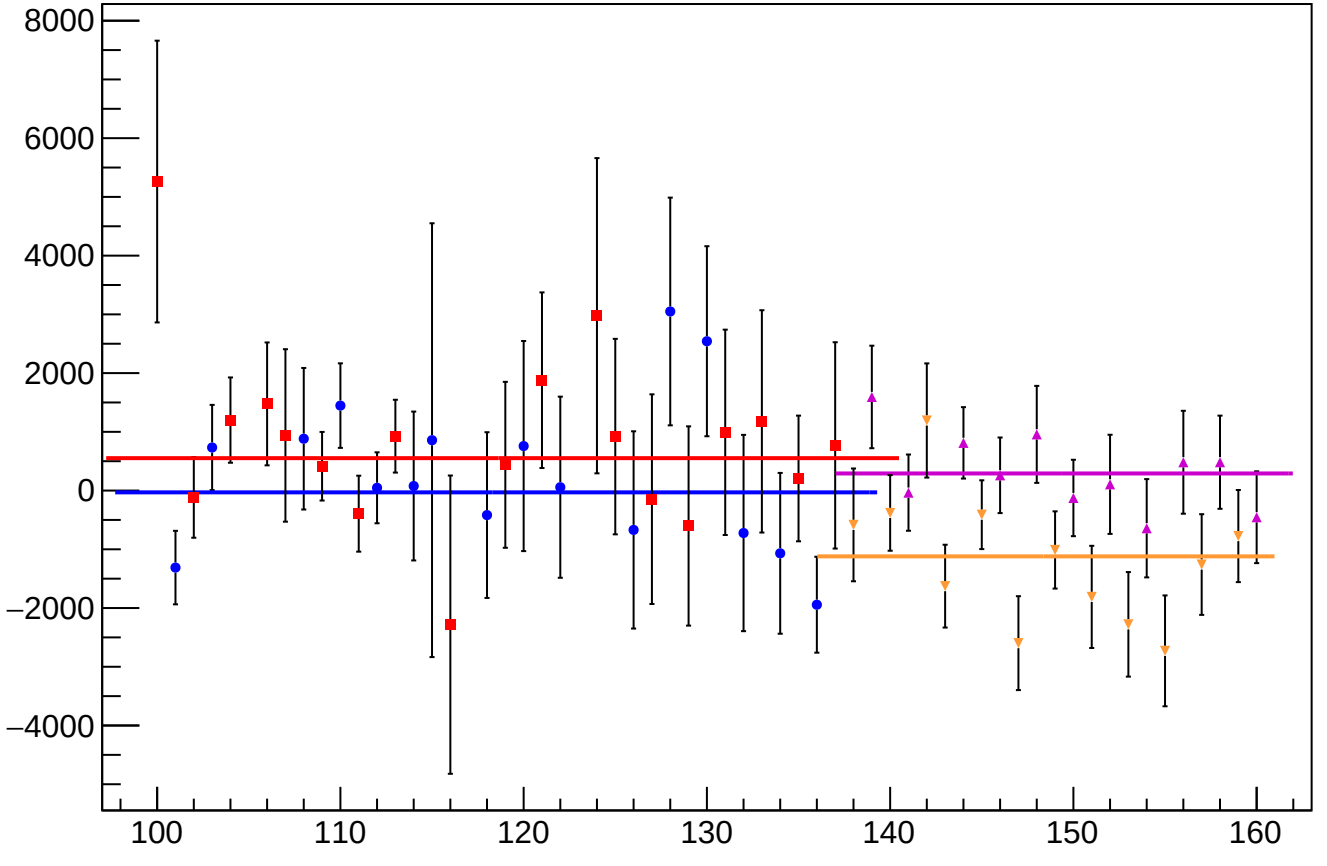
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 88.305+/-0.016 χ^2/NDF:1161050.8/26

Out: 86.404+/-0.015 χ^2/NDF:1455480.9/30

All: 87.334+/-0.011 χ^2/NDF: 2624153.5/57

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: 291.364+/-223.605 χ^2/NDF:6.6/10

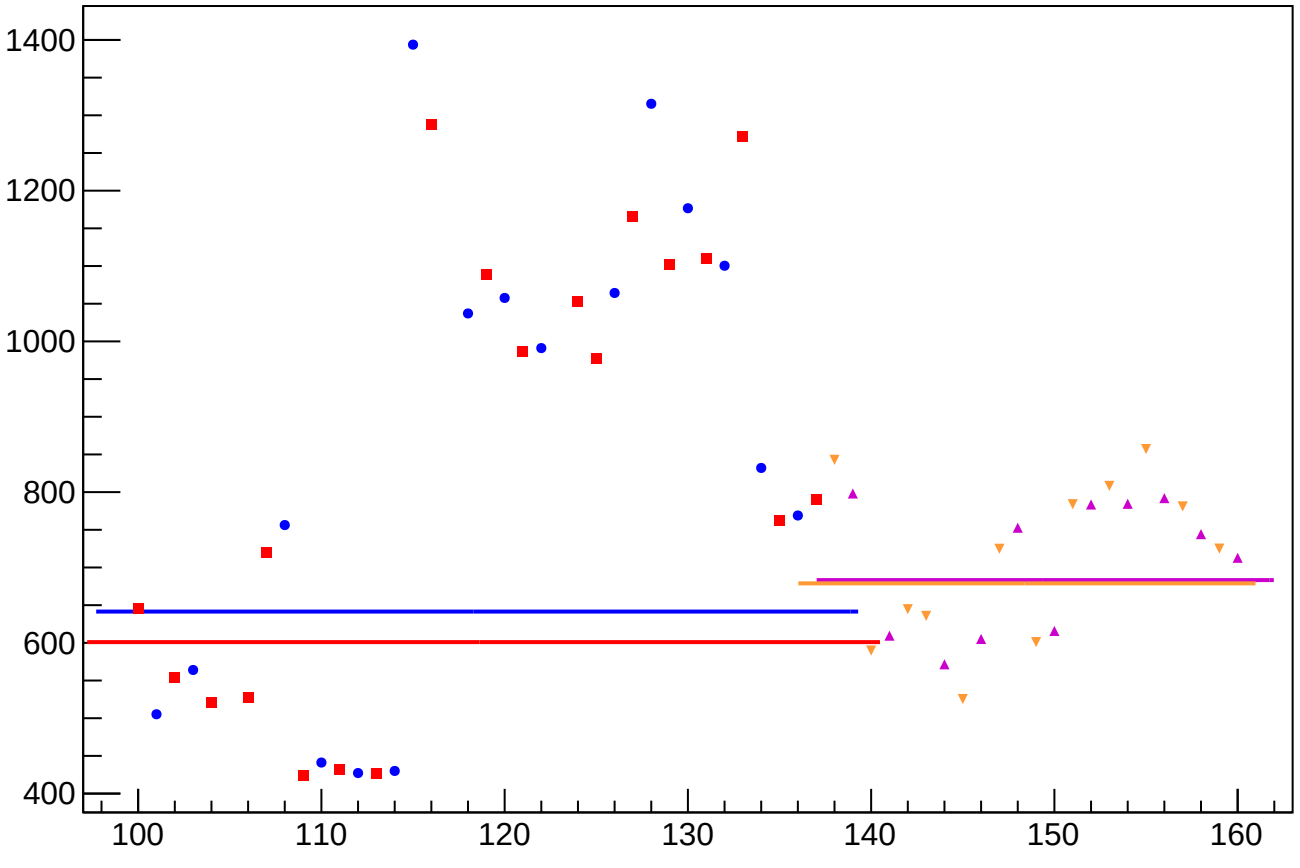
Left: -415.438+/-158.011 χ^2/NDF: 44.7/22

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 152.719+/-168.693 χ^2/NDF:29.4/26

Out: -339.648+/-163.057 χ^2/NDF:57.2/30

All: -101.826+/-117.241 χ^2/NDF: 90.9/57



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: 683.271+/-0.158 χ^2/NDF:296292.3/10

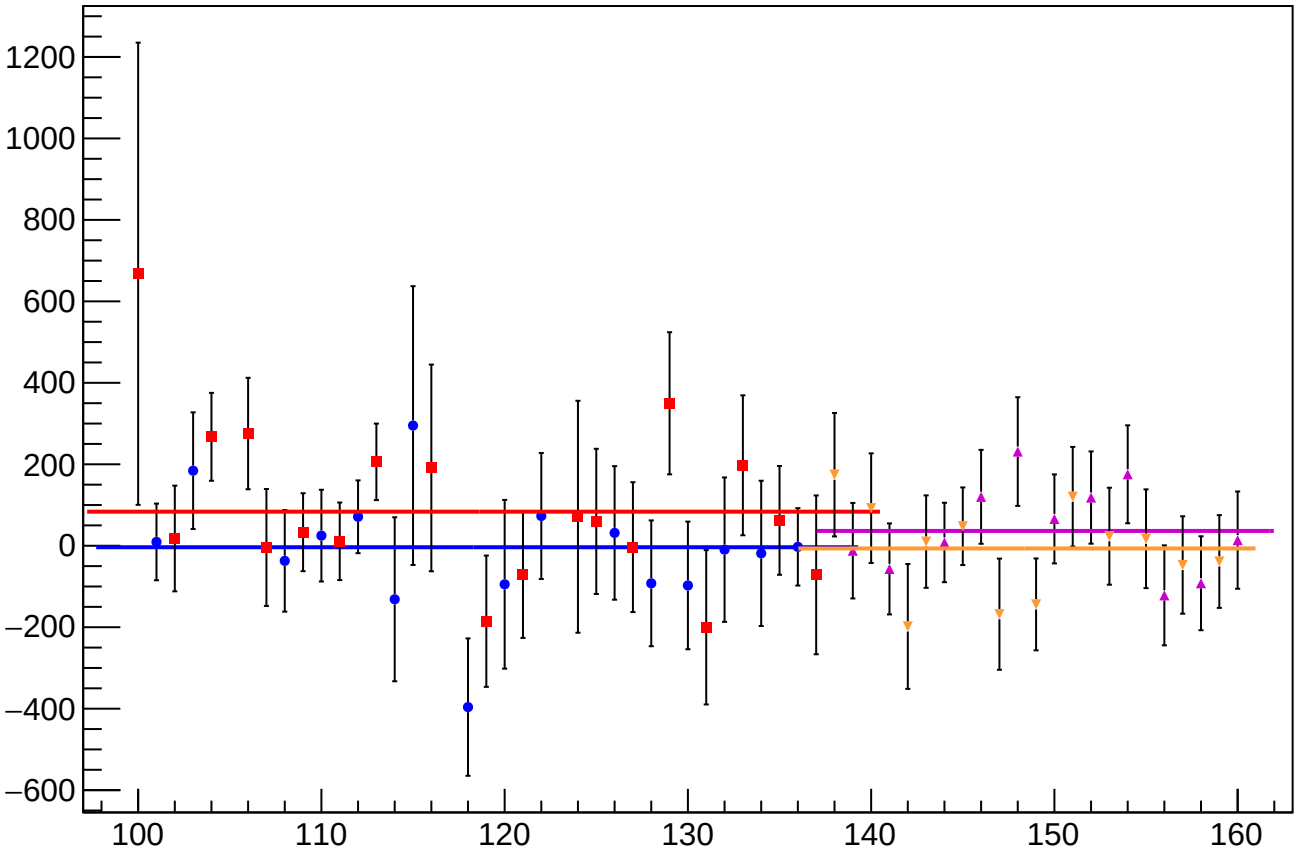
Left: 681.094+/-0.112 χ^2/NDF: 753372.4/22

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 665.278+/-0.119 χ^2/NDF:2201302.4/26

Out: 642.531+/-0.115 χ^2/NDF:2647688.4/30

All: 653.518+/-0.083 χ^2/NDF: 4867790.2/57



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: 36.408+/-34.663 χ^2/NDF:8.5/10

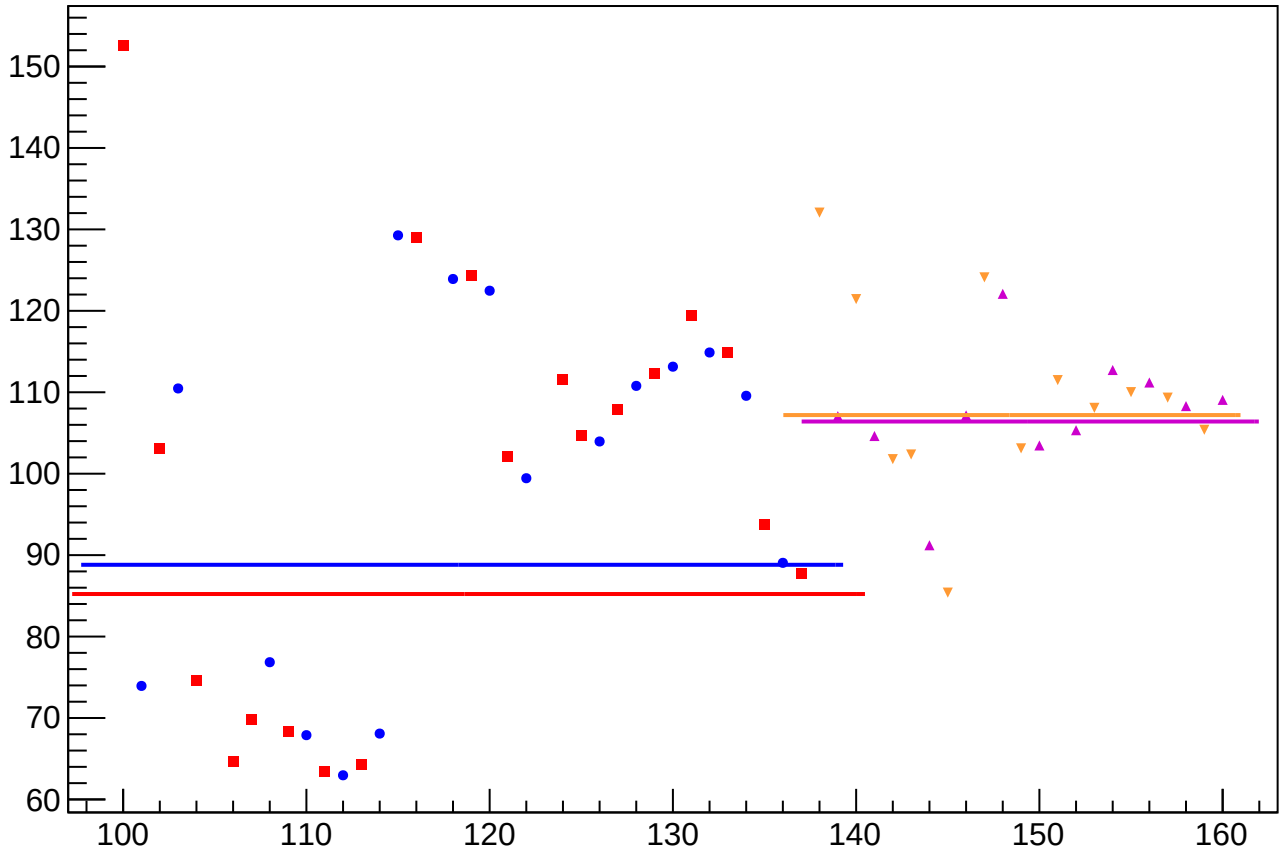
Left: 15.130+/-24.646 χ^2/NDF: 17.4/22

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.090+/-24.328 χ^2/NDF:19.5/26

Out: 41.747+/-23.884 χ^2/NDF:30.8/30

All: 29.155+/-17.043 χ^2/NDF: 50.8/57



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: 106.408+/-0.025 χ^2/NDF:88637.0/10

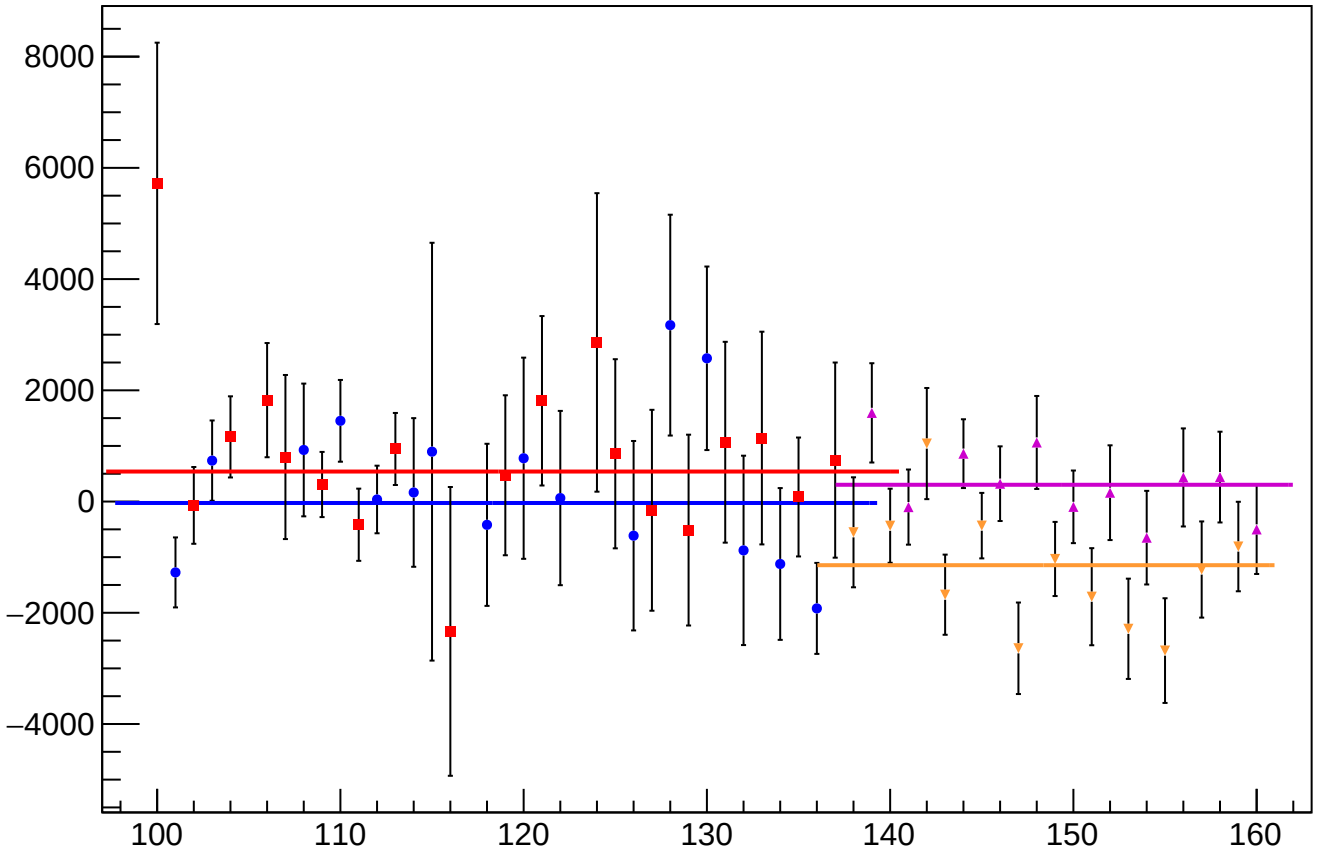
Left: 106.799+/-0.017 χ^2/NDF: 314359.2/22

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 97.480+/-0.017 χ^2/NDF:1074711.3/26

Out: 95.428+/-0.017 χ^2/NDF:1530385.8/30

All: 96.435+/-0.012 χ^2/NDF: 2612343.3/57



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1144.434+/-227.208 χ^2/NDF:16.5/11

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 301.537+/-228.280 χ^2/NDF:6.8/10

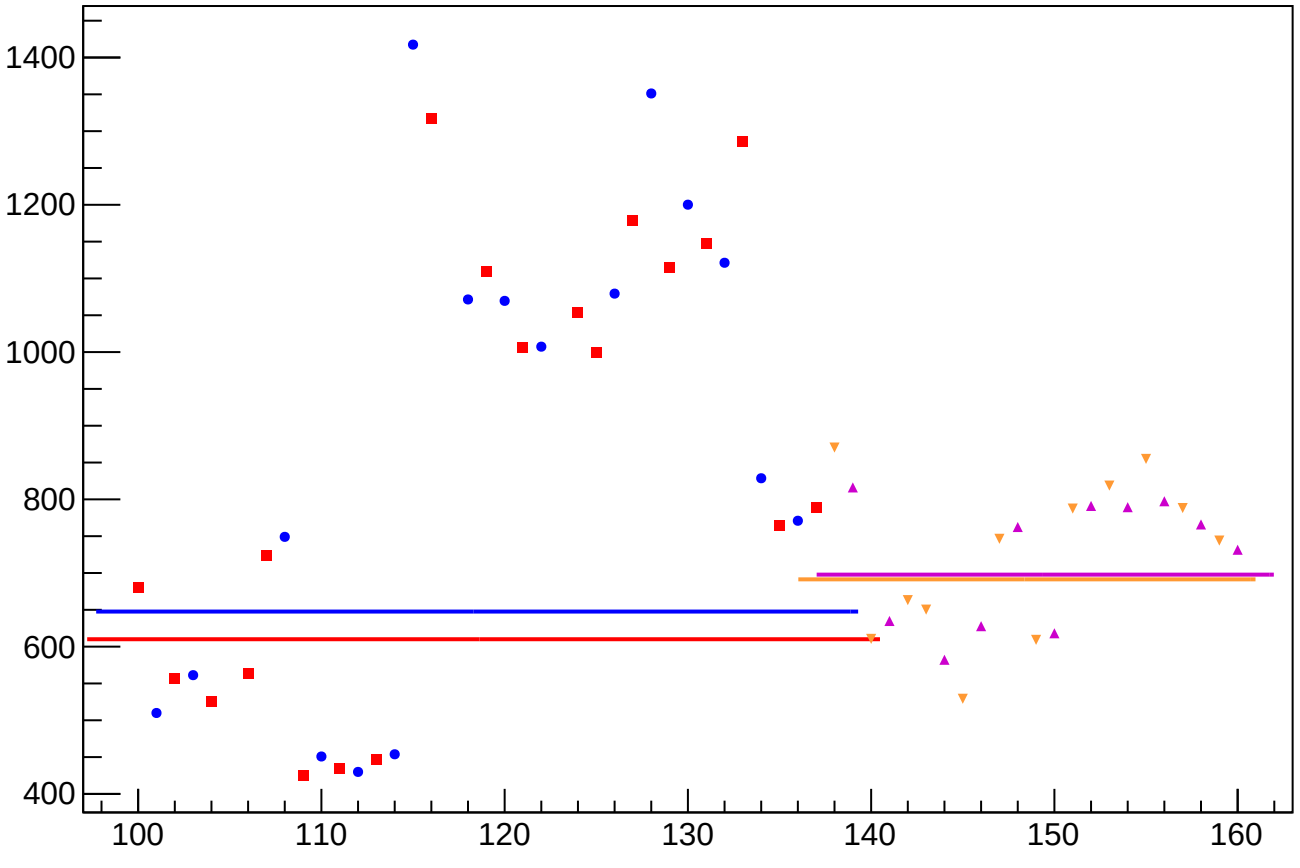
Left: -424.853+/-161.038 χ^2/NDF: 43.5/22

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 158.686+/-171.371 χ^2/NDF:29.3/26

Out: -352.795+/-165.398 χ^2/NDF:55.9/30

All: -106.123+/-119.009 χ^2/NDF: 89.8/57



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: 697.779+/-0.161 χ^2/NDF:276641.2/10

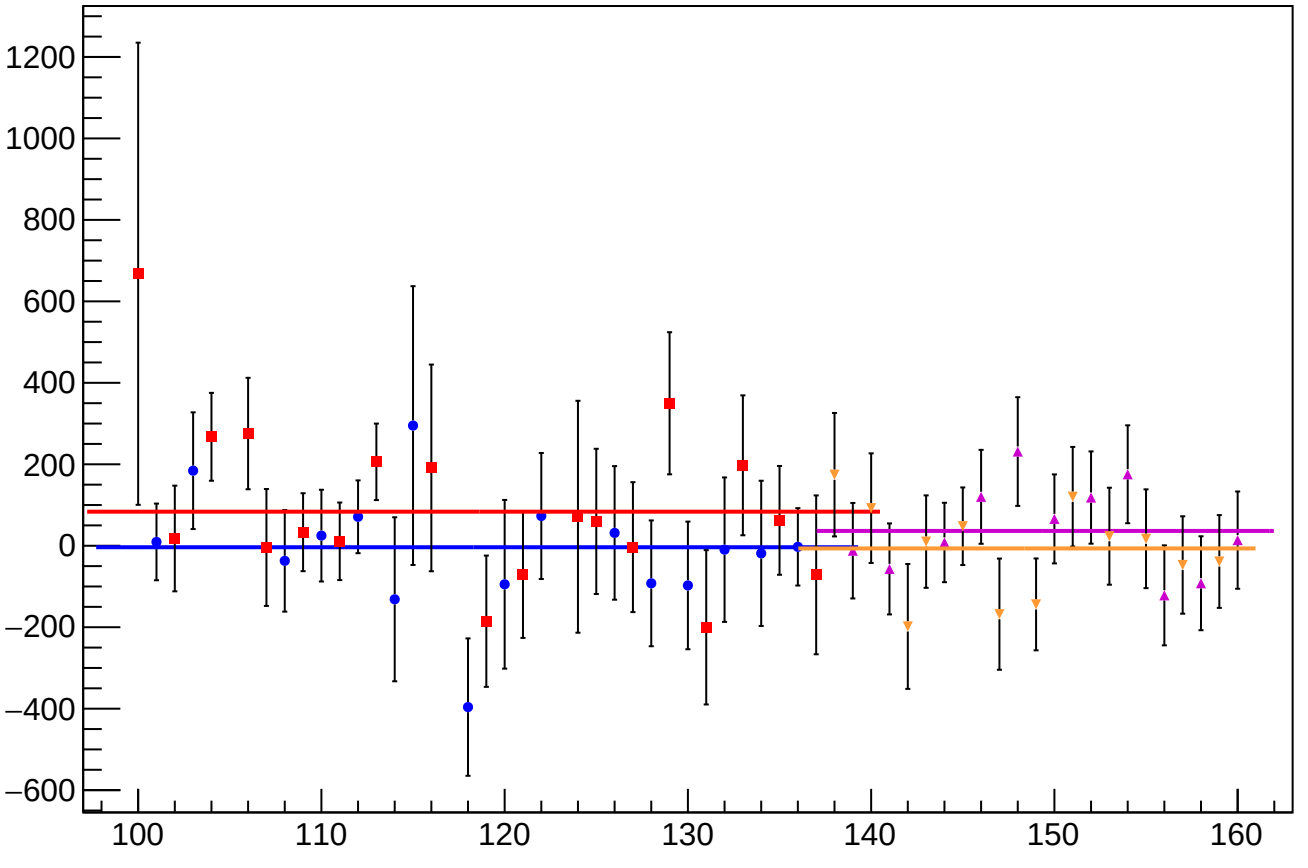
Left: 694.559+/-0.114 χ^2/NDF: 729783.8/22

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 675.896+/-0.121 χ^2/NDF:2206564.2/26

Out: 653.148+/-0.117 χ^2/NDF:2646999.9/30

All: 664.119+/-0.084 χ^2/NDF: 4871809.0/57



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: 36.408+/-34.663 χ^2/NDF:8.5/10

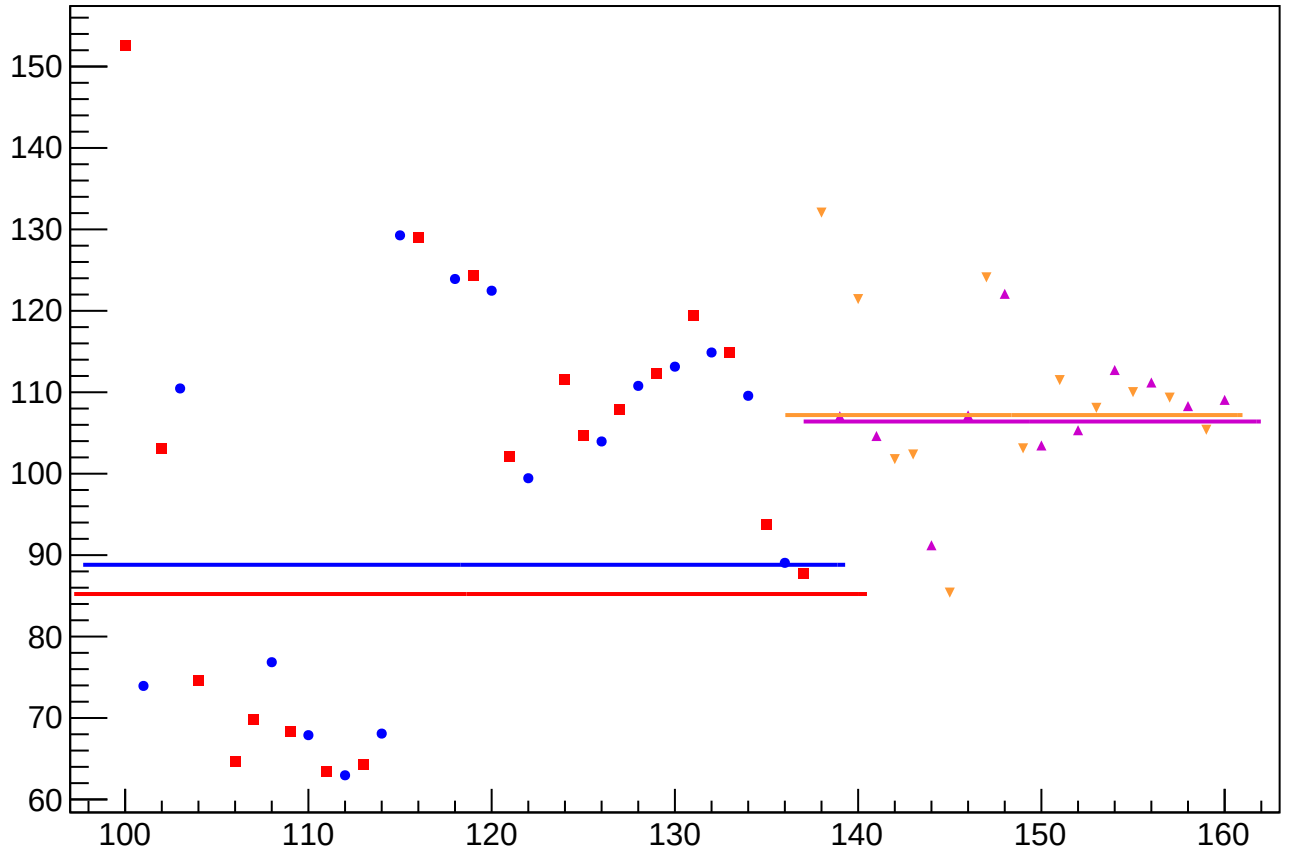
Left: 15.131+/-24.647 χ^2/NDF: 17.4/22

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.090+/-24.328 χ^2/NDF:19.5/26

Out: 41.748+/-23.884 χ^2/NDF:30.8/30

All: 29.155+/-17.043 χ^2/NDF: 50.8/57



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: 106.408+/-0.025 χ^2/NDF:88636.3/10

Left: 106.799+/-0.017 χ^2/NDF: 314357.0/22

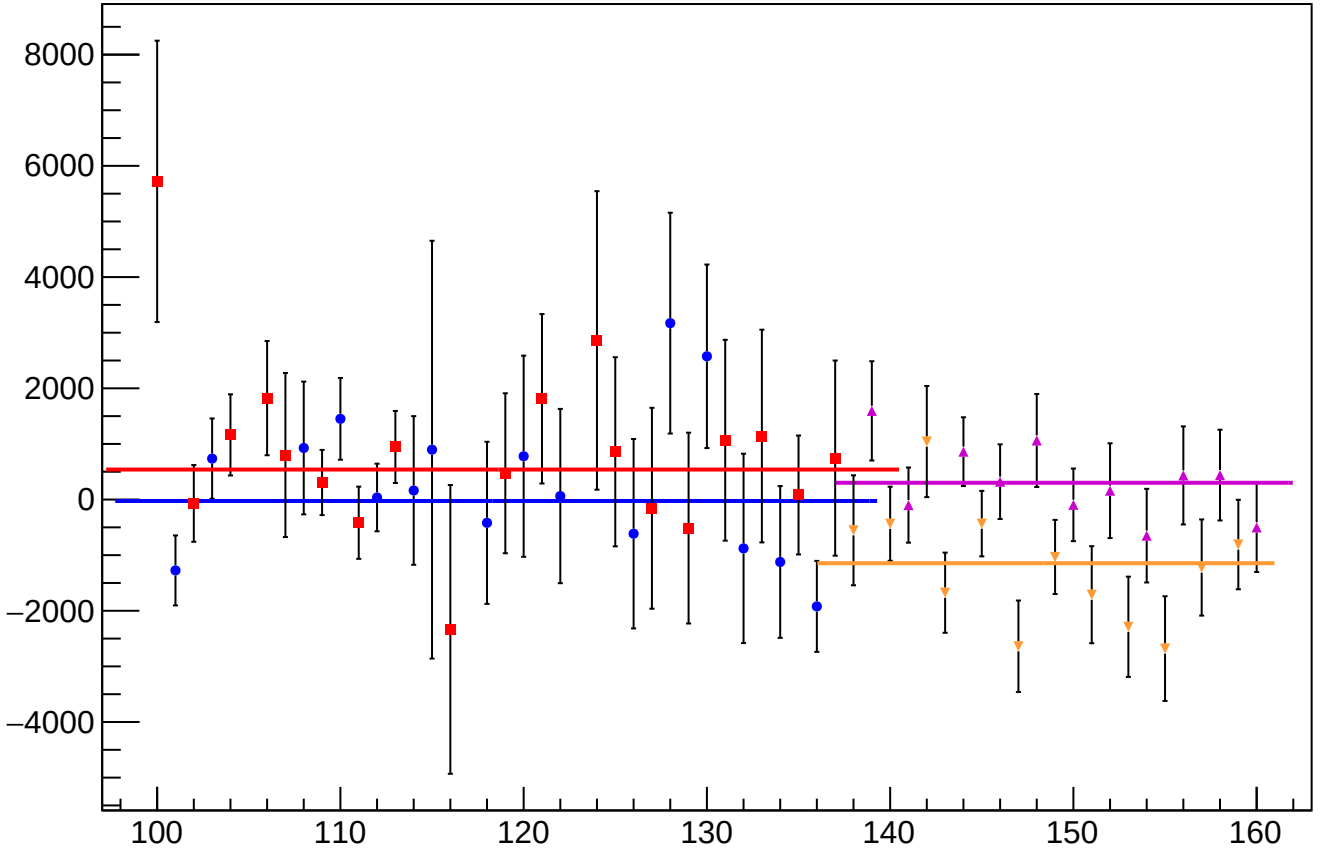
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 97.480+/-0.017 χ^2/NDF:1074717.1/26

Out: 95.428+/-0.017 χ^2/NDF:1530395.1/30

All: 96.435+/-0.012 χ^2/NDF: 2612358.6/57

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: 301.536+/-228.280 χ^2/NDF:6.8/10

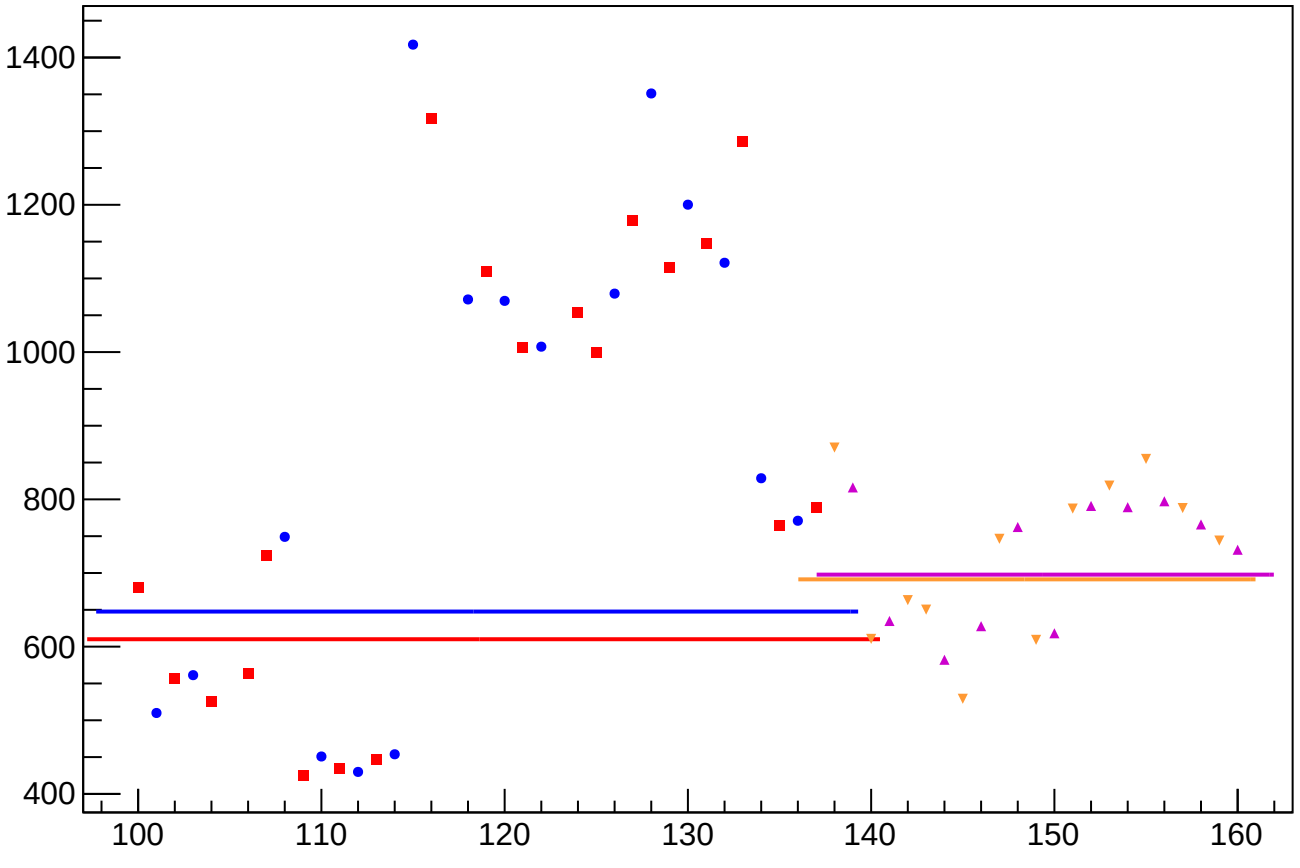
Left: -424.852+/-161.038 χ^2/NDF: 43.5/22

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 158.685+/-171.370 χ^2/NDF:29.3/26

Out: -352.794+/-165.398 χ^2/NDF:55.9/30

All: -106.123+/-119.009 χ^2/NDF: 89.8/57



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: 697.778+/-0.161 χ^2/NDF:276639.1/10

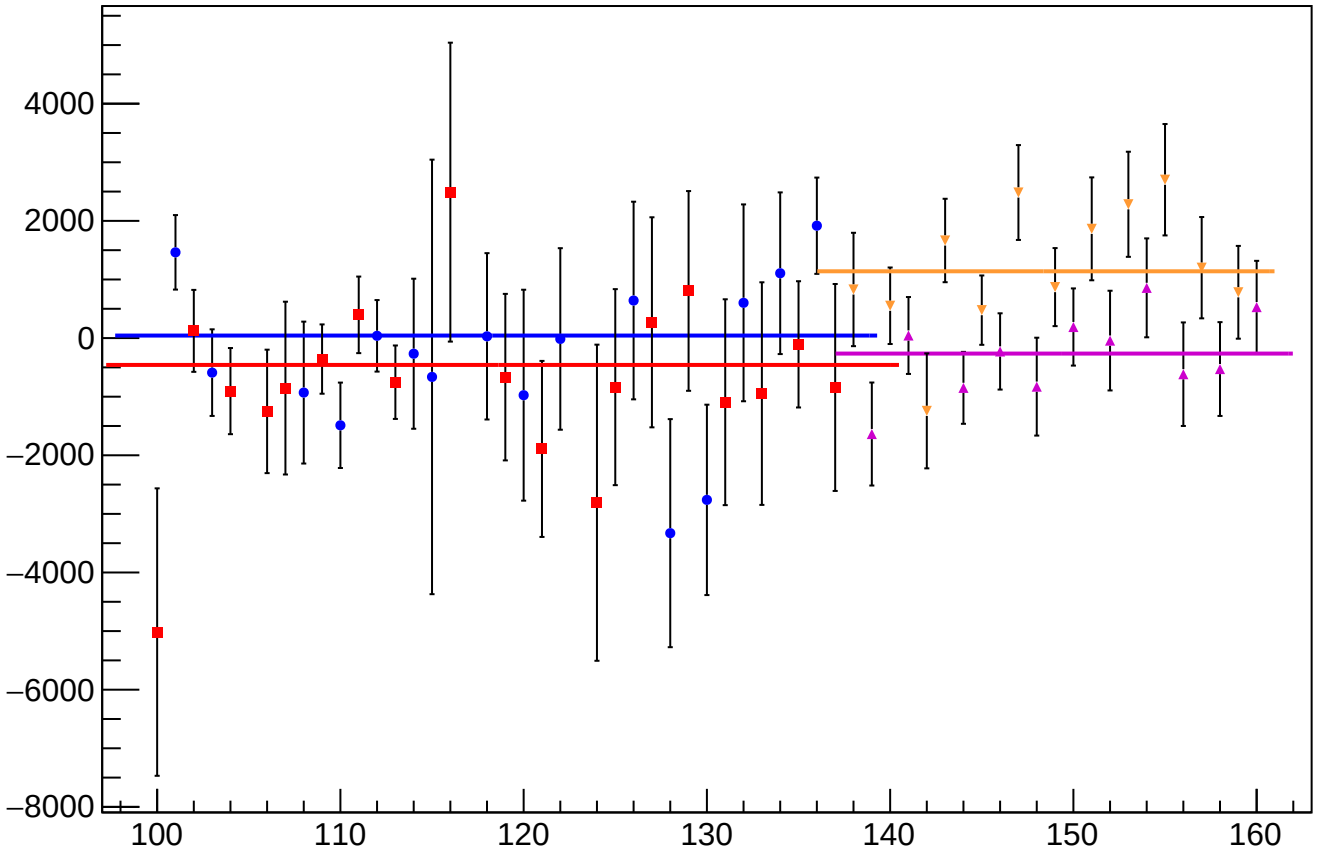
Left: 694.559+/-0.114 χ^2/NDF: 729782.8/22

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 675.896+/-0.121 χ^2/NDF:2206567.9/26

Out: 653.148+/-0.117 χ^2/NDF:2647004.9/30

All: 664.118+/-0.084 χ^2/NDF: 4871817.8/57



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: -264.396+/-225.845 χ^2/NDF:7.6/10

Left: 438.437+/-159.611 χ^2/NDF: 43.7/22

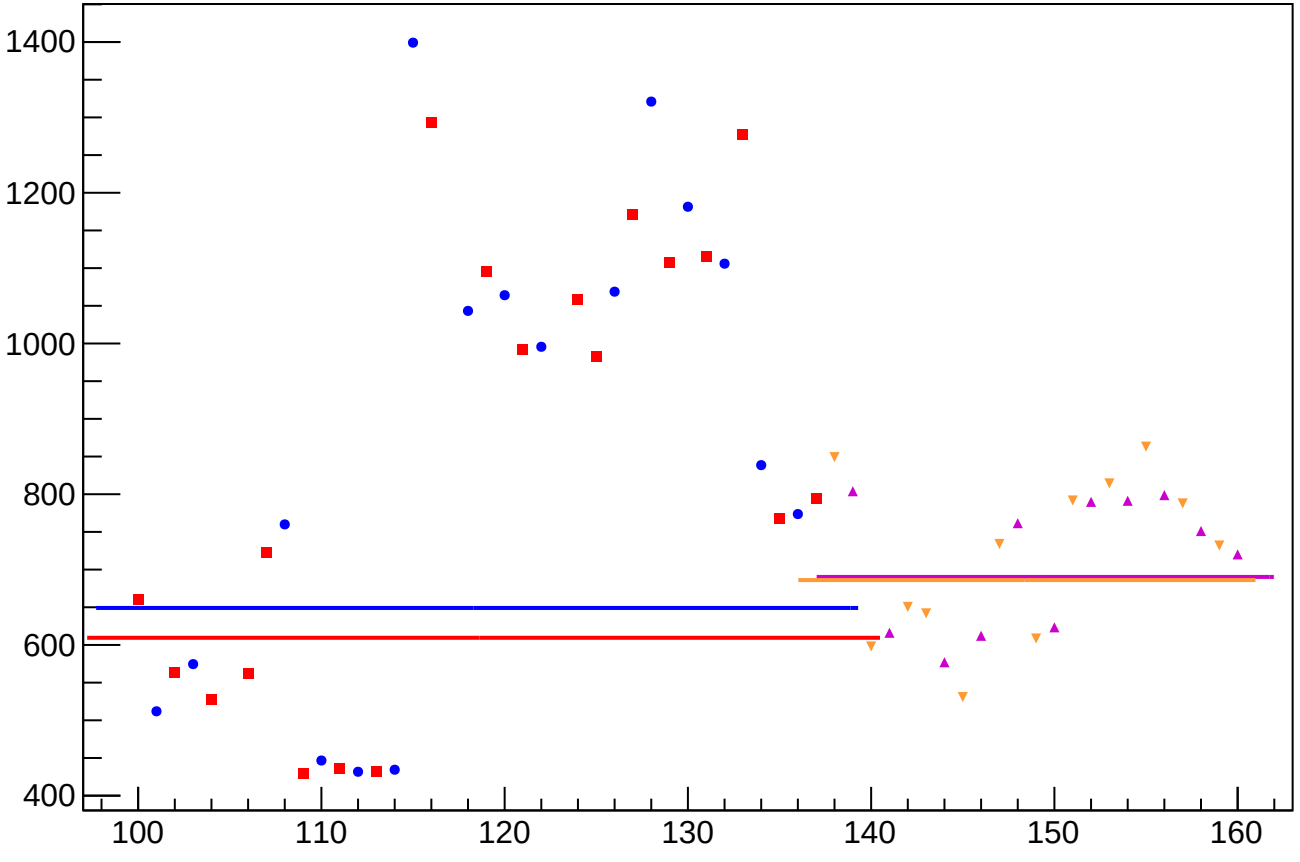
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -132.018+/-170.445 χ^2/NDF:31.6/26

Out: 393.884+/-164.737 χ^2/NDF:51.4/30

All: 139.886+/-118.453 χ^2/NDF: 88.0/57

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: 690.252+/-0.160 χ^2/NDF:291813.9/10

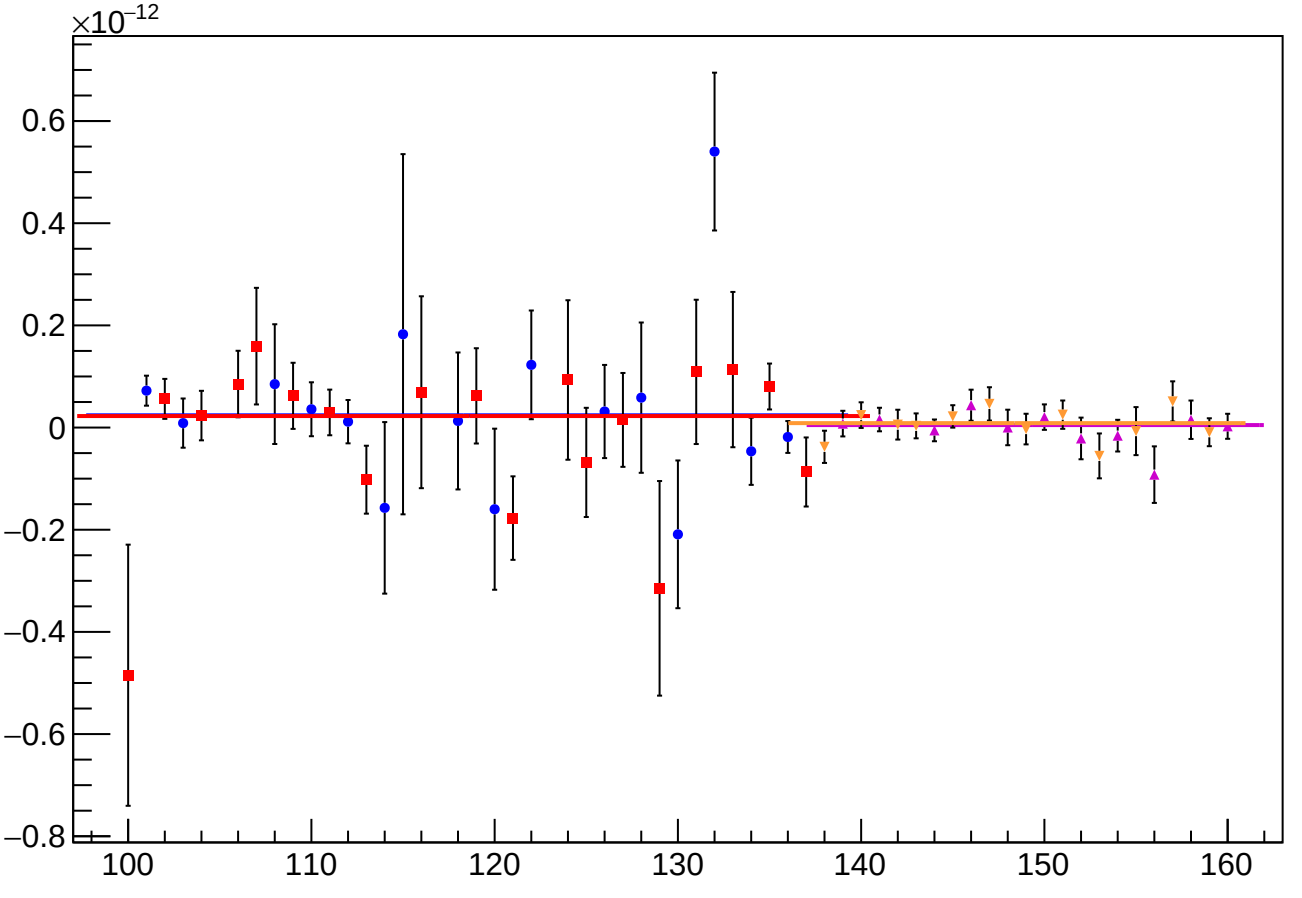
Left: 688.160+/-0.113 χ^2/NDF: 741277.6/22

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 672.535+/-0.121 χ^2/NDF:2166224.3/26

Out: 650.337+/-0.116 χ^2/NDF:2600219.7/30

All: 661.058+/-0.084 χ^2/NDF: 4783982.4/57



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:6.5/10

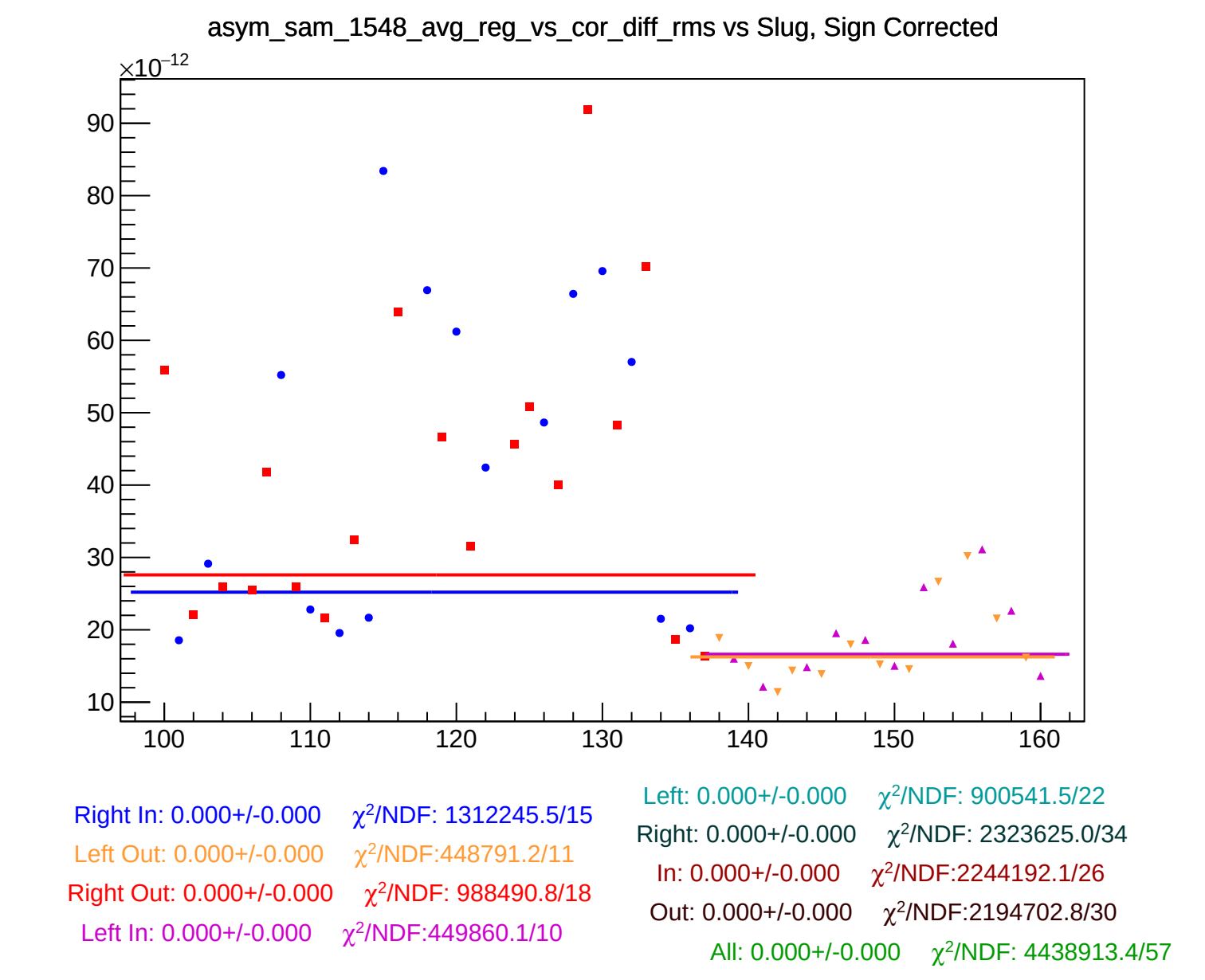
Left: 0.000+/-0.000 χ^2/NDF: 15.3/22

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:31.4/26

Out: 0.000+/-0.000 χ^2/NDF:34.9/30

All: 0.000+/-0.000 χ^2/NDF: 66.3/57


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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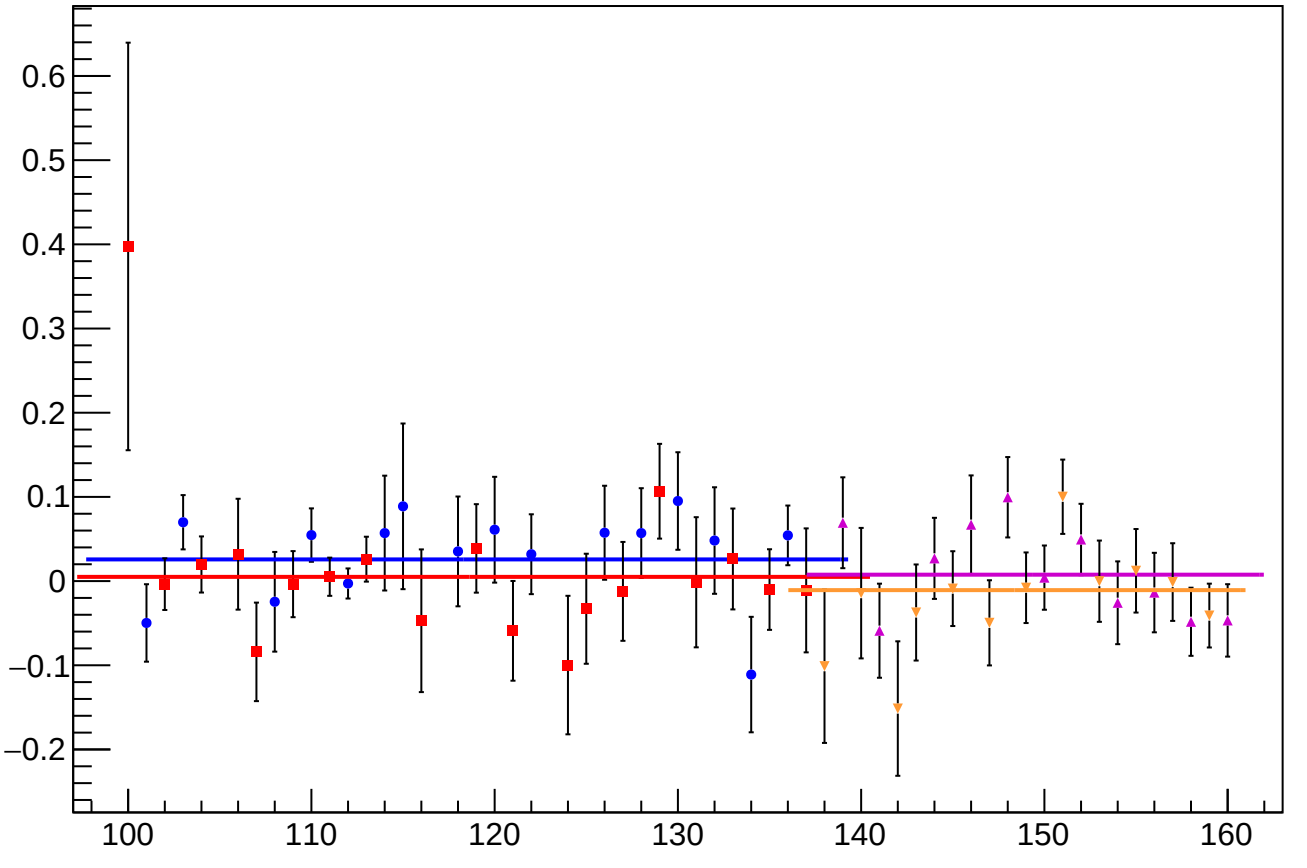
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:448791.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:449860.1/10
Left: 0.000+/-0.000 χ²/NDF: 900541.5/22
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2244192.1/26
Out: 0.000+/-0.000 χ²/NDF:2194702.8/30
All: 0.000+/-0.000 χ²/NDF: 4438913.4/57



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: 0.008+/-0.014 χ^2/NDF:12.8/10

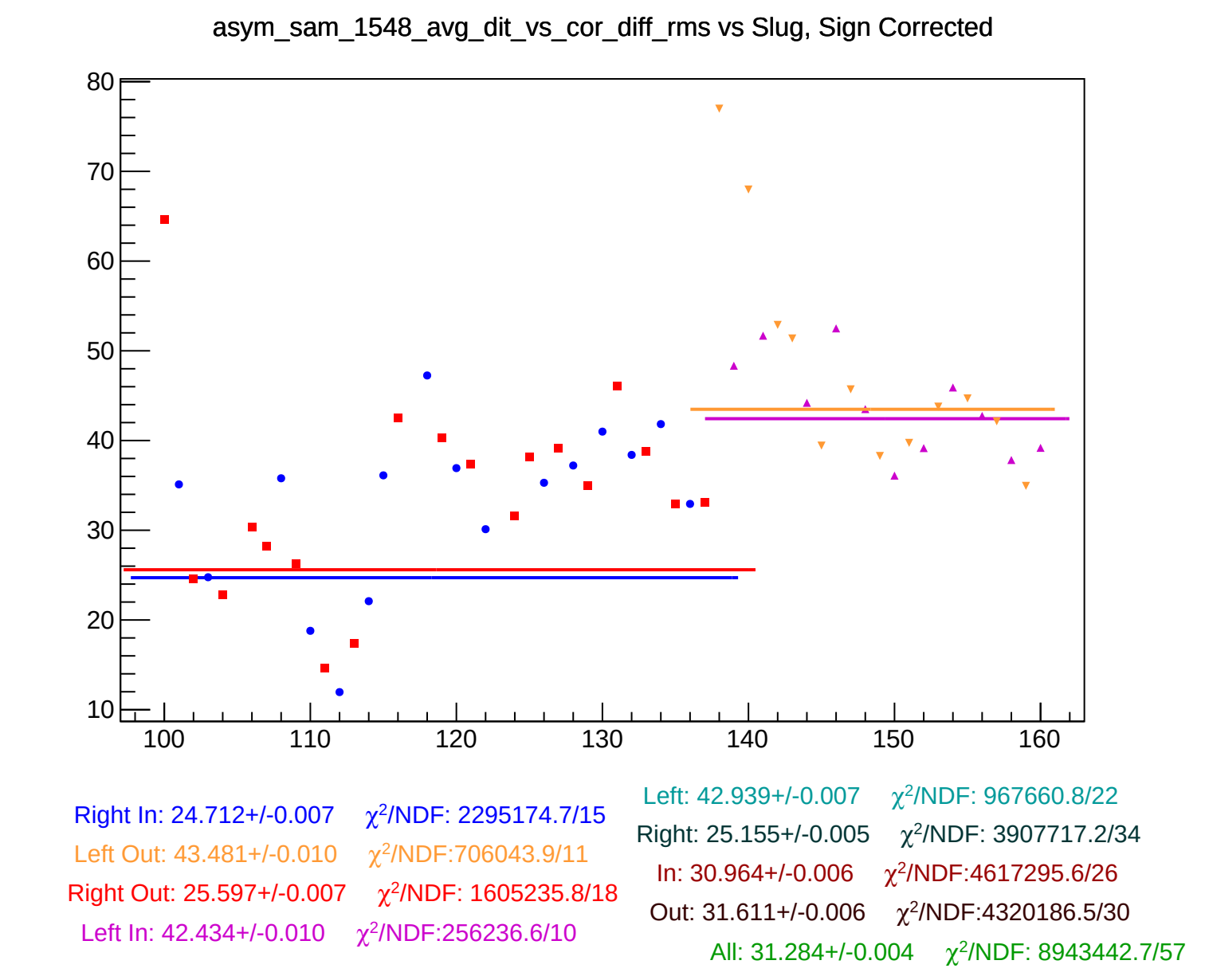
Left: -0.001+/-0.010 χ^2/NDF: 25.8/22

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

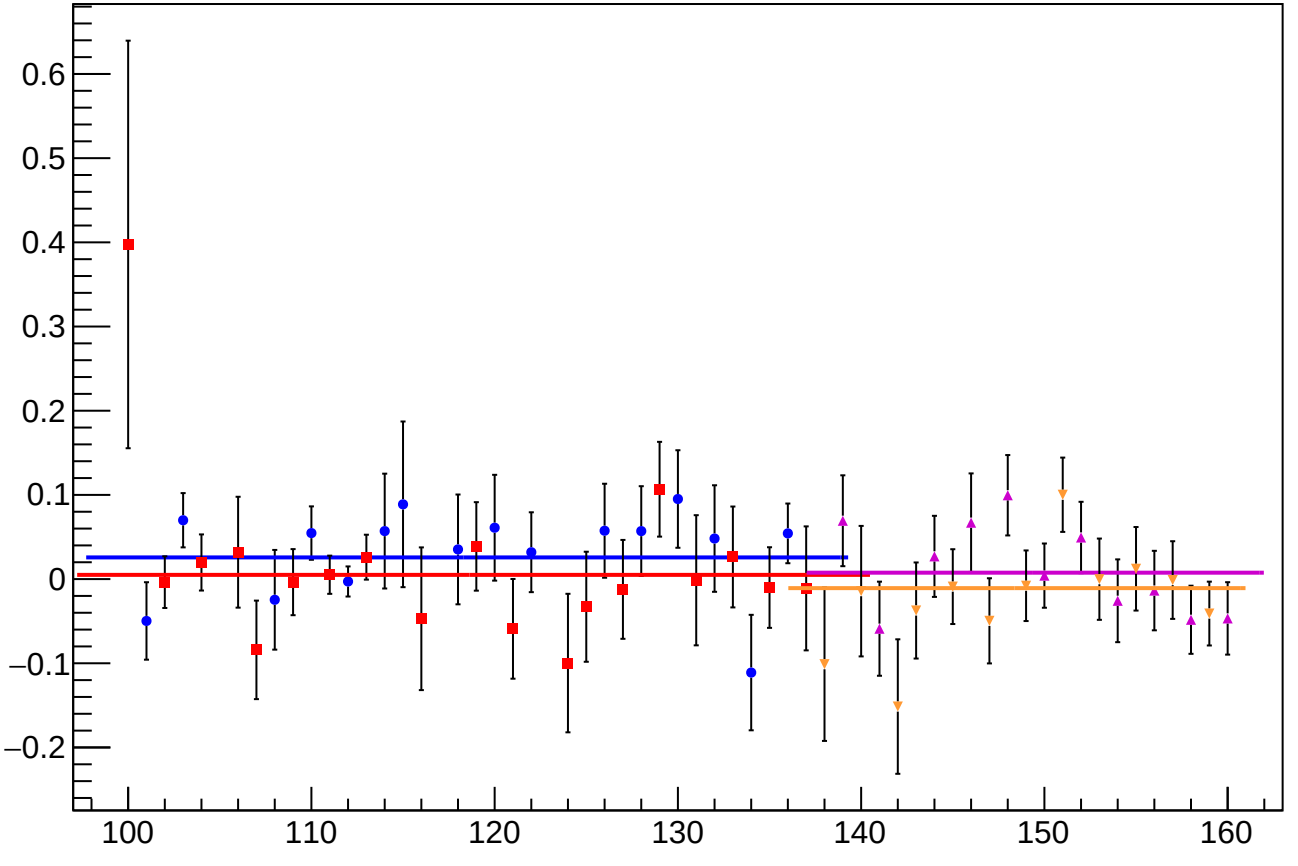
In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.010+/-0.006 χ^2/NDF: 59.7/57


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: 42.434+/-0.010 χ²/NDF:256236.6/10
Left: 42.939+/-0.007 χ²/NDF: 967660.8/22
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 30.964+/-0.006 χ²/NDF:4617295.6/26
Out: 31.611+/-0.006 χ²/NDF:4320186.5/30
All: 31.284+/-0.004 χ²/NDF: 8943442.7/57

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: 0.008+/-0.014 χ^2/NDF:12.8/10

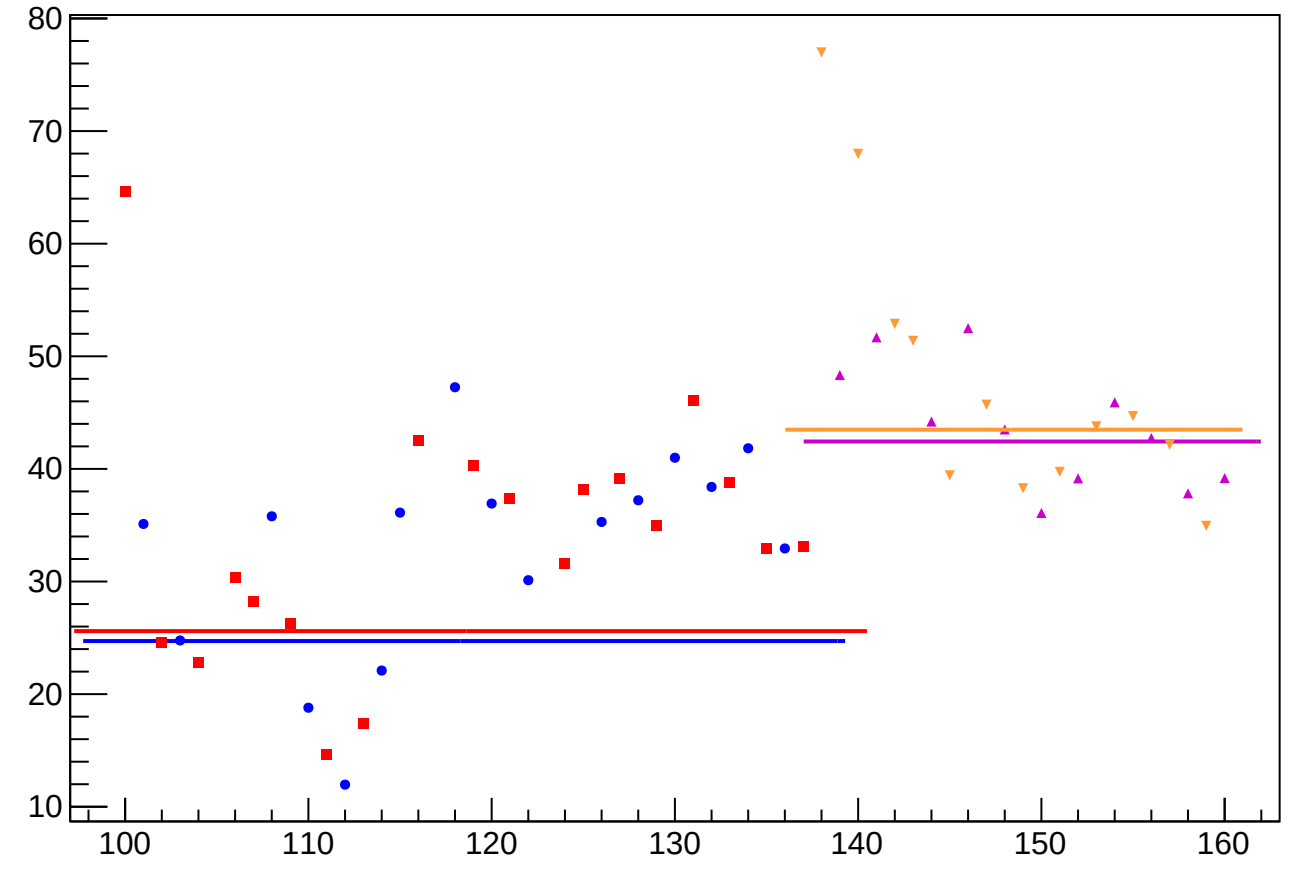
Left: -0.001+/-0.010 χ^2/NDF: 25.8/22

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.010+/-0.006 χ^2/NDF: 59.7/57



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: 42.434+/-0.010 χ^2/NDF:256236.6/10

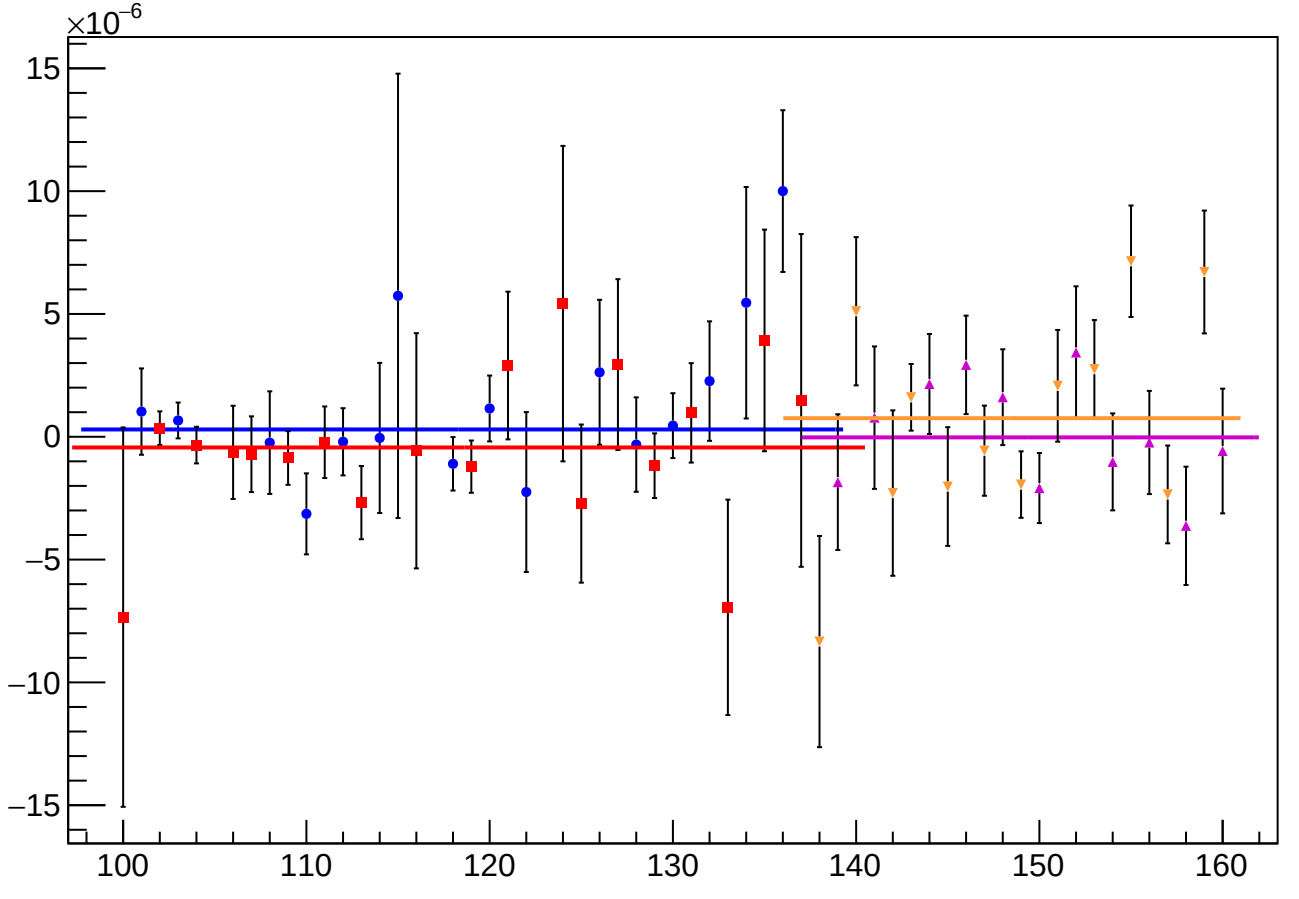
Left: 42.939+/-0.007 χ^2/NDF: 967660.8/22

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 30.964+/-0.006 χ^2/NDF:4617295.6/26

Out: 31.611+/-0.006 χ^2/NDF:4320186.5/30

All: 31.284+/-0.004 χ^2/NDF: 8943442.7/57



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:10.8/10

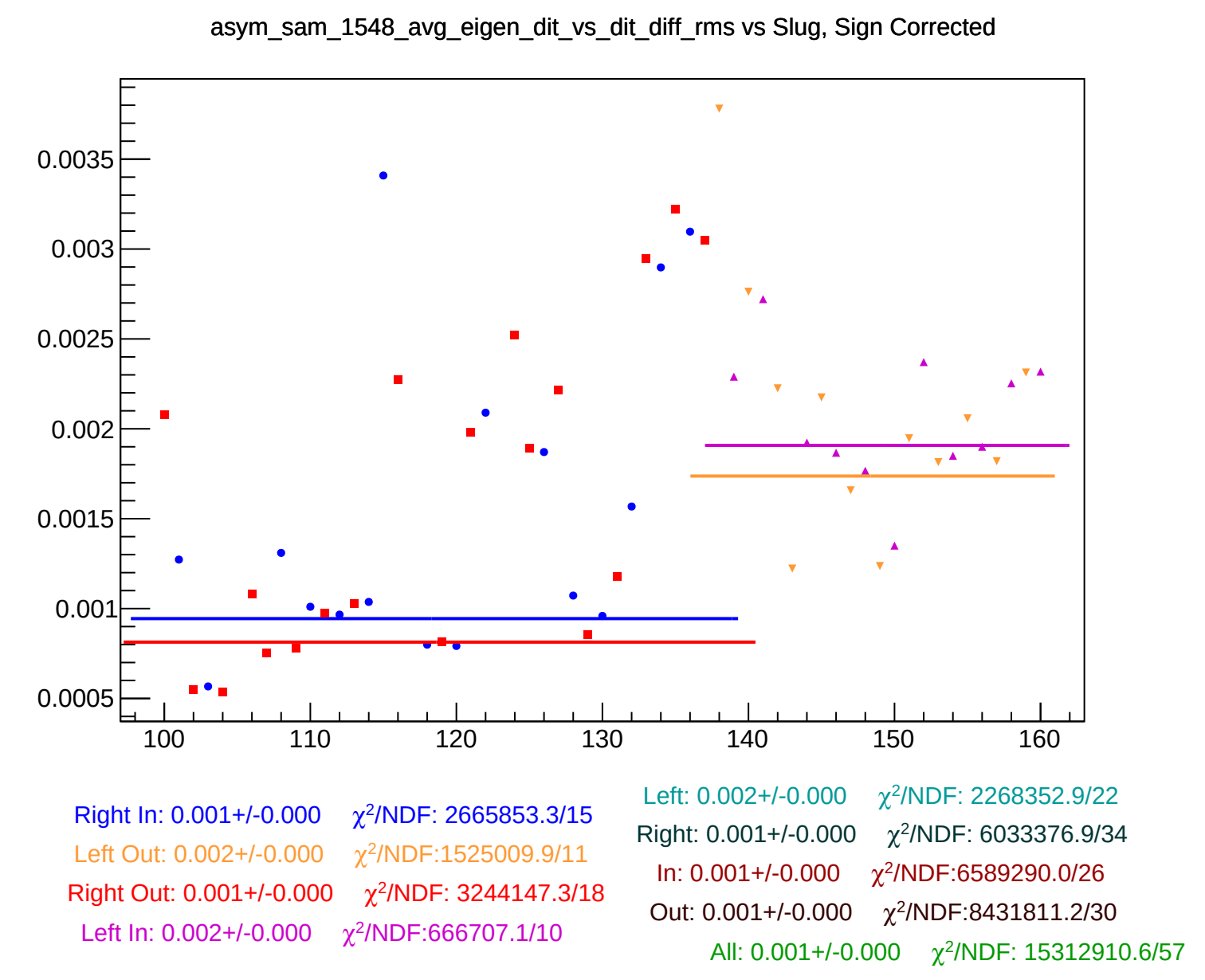
Left: 0.000+/-0.000 χ^2/NDF: 42.6/22

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

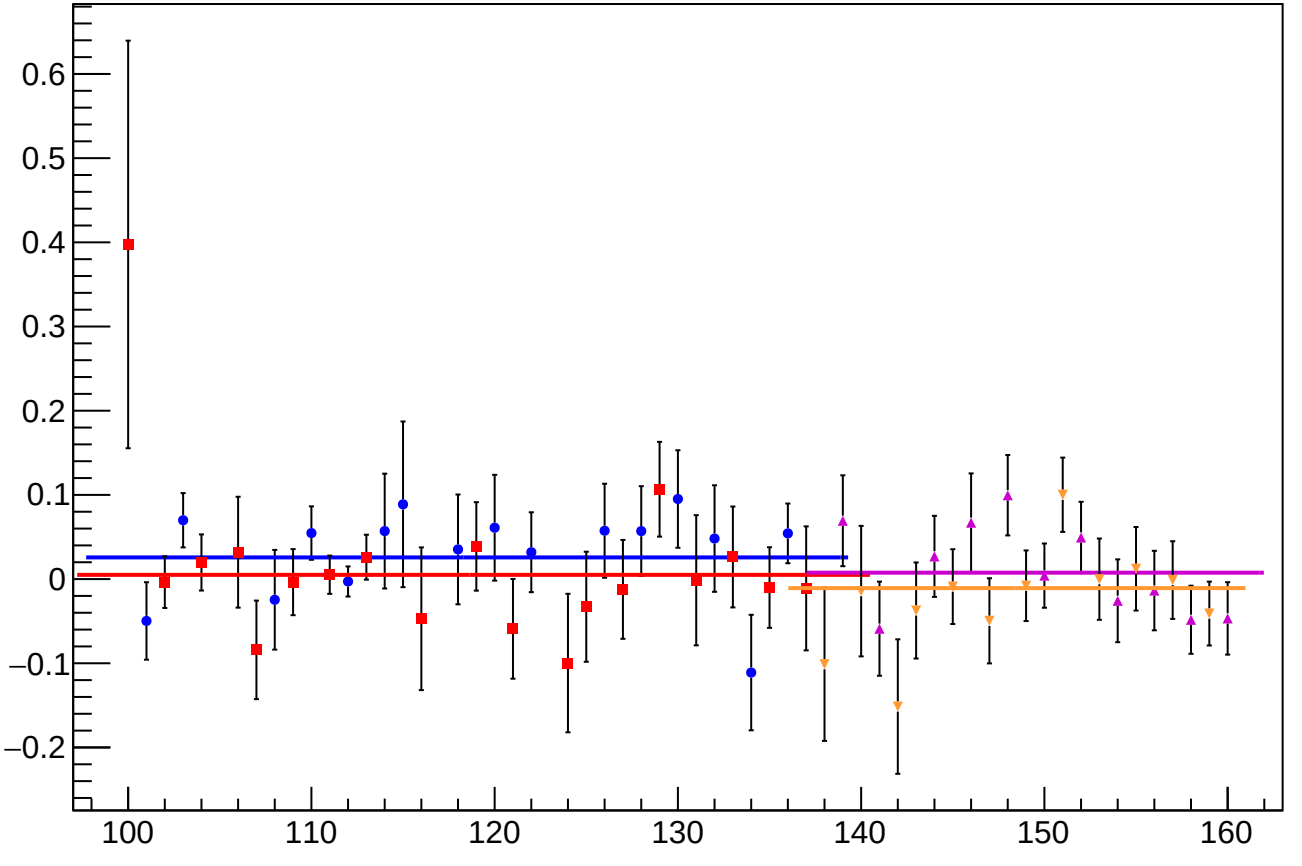
In: 0.000+/-0.000 χ^2/NDF:30.3/26

Out: -0.000+/-0.000 χ^2/NDF:46.7/30

All: 0.000+/-0.000 χ^2/NDF: 77.6/57


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1525009.9/11
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:666707.1/10
Left: 0.002+/-0.000 χ²/NDF: 2268352.9/22
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:6589290.0/26
Out: 0.001+/-0.000 χ²/NDF:8431811.2/30
All: 0.001+/-0.000 χ²/NDF: 15312910.6/57

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: 0.008+/-0.014 χ^2/NDF:12.8/10

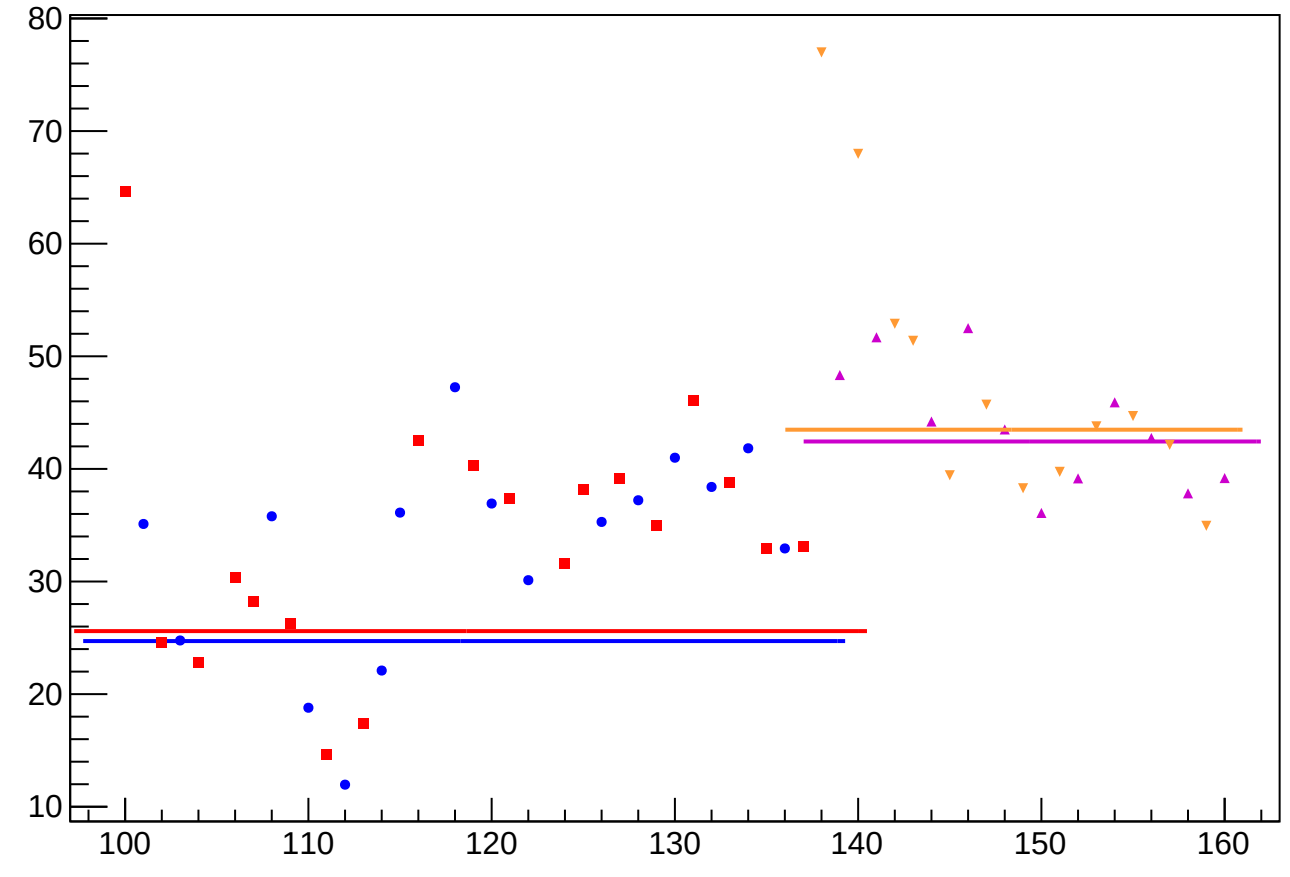
Left: -0.001+/-0.010 χ^2/NDF: 25.8/22

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.010+/-0.006 χ^2/NDF: 59.7/57



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: 42.434+/-0.010 χ^2/NDF:256247.6/10

Left: 42.939+/-0.007 χ^2/NDF: 967667.6/22

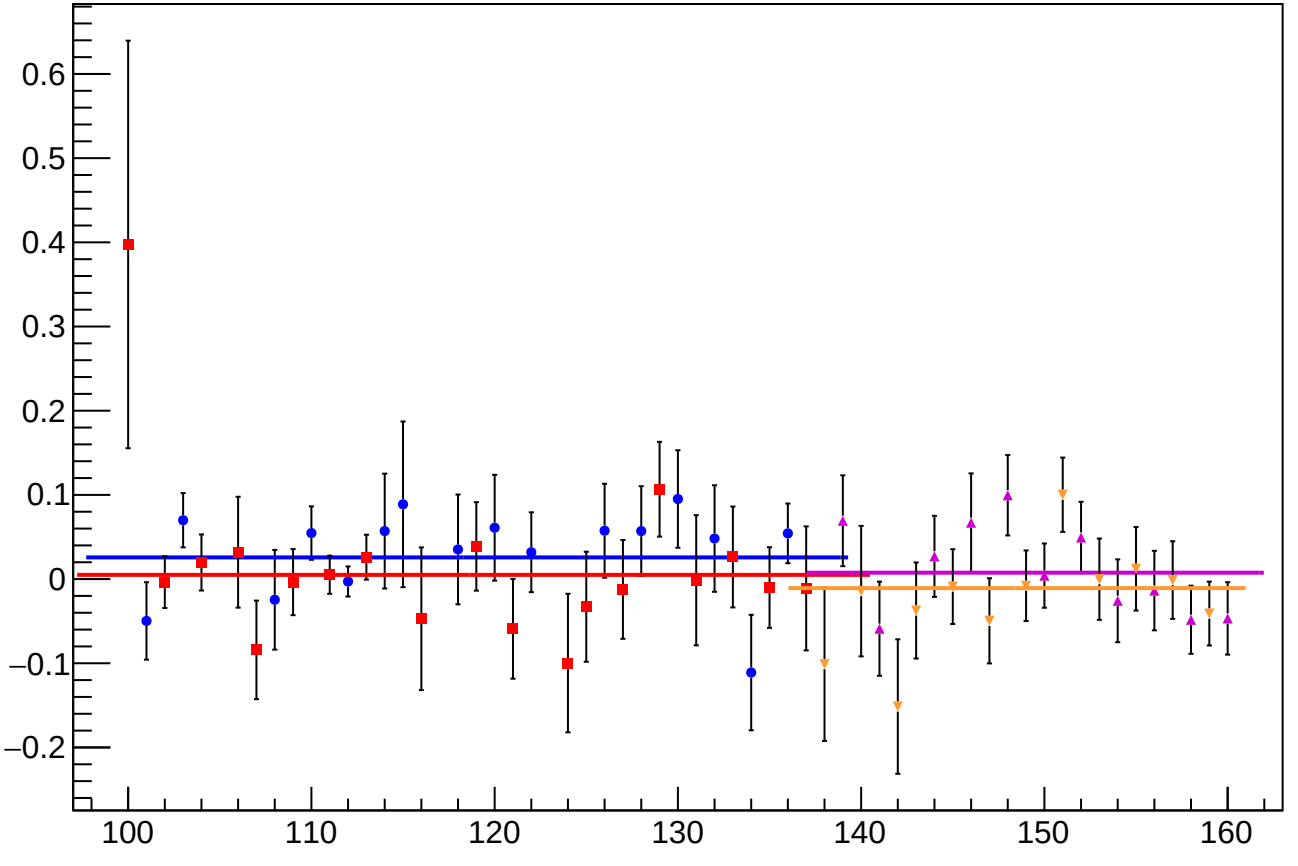
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 30.964+/-0.006 χ^2/NDF:4617715.1/26

Out: 31.611+/-0.006 χ^2/NDF:4320522.9/30

All: 31.284+/-0.004 χ^2/NDF: 8944201.1/57

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: 0.008+/-0.014 χ^2/NDF:12.8/10

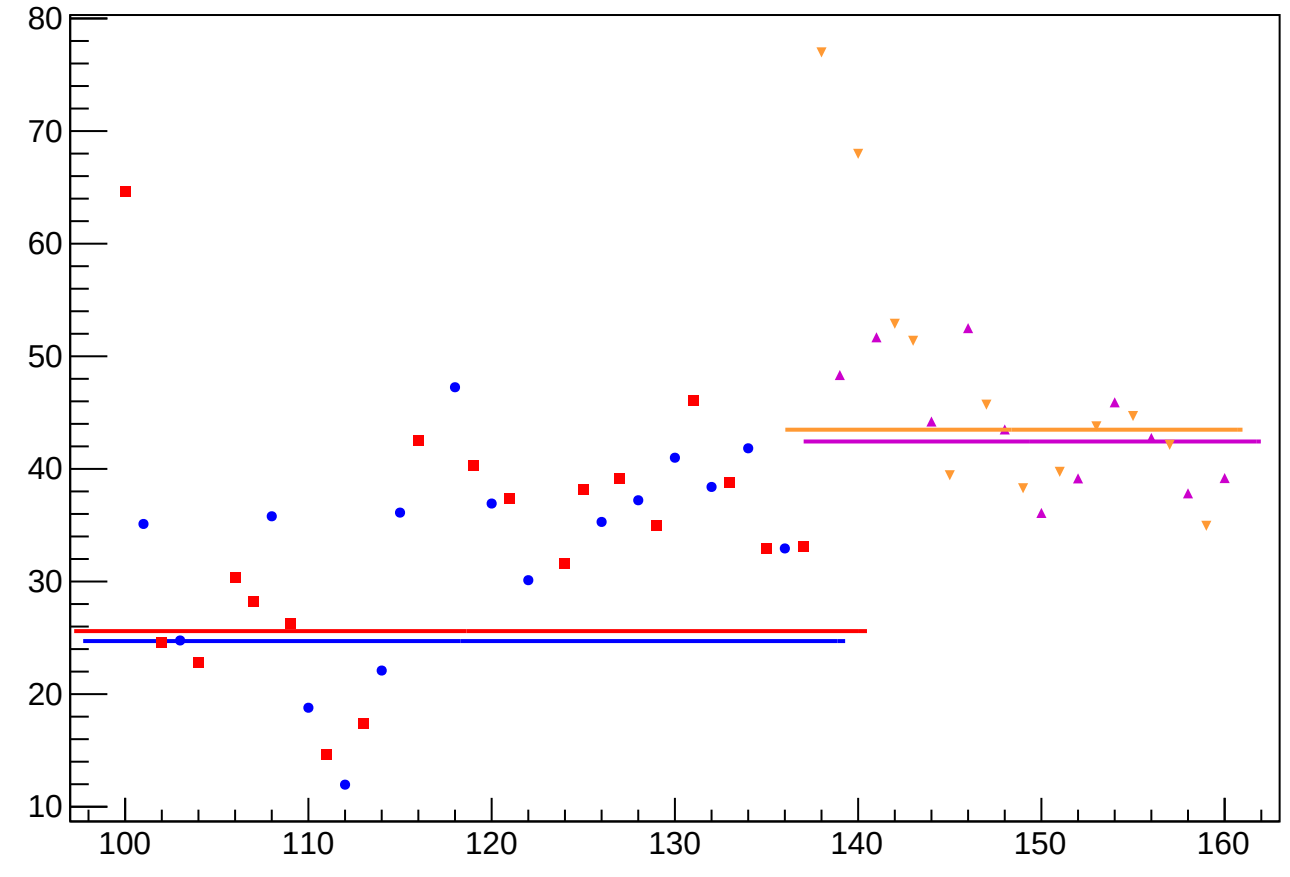
Left: -0.001+/-0.010 χ^2/NDF: 25.8/22

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: -0.000+/-0.008 χ^2/NDF:26.5/30

All: 0.010+/-0.006 χ^2/NDF: 59.7/57



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: 42.434+/-0.010 χ^2/NDF:256247.6/10

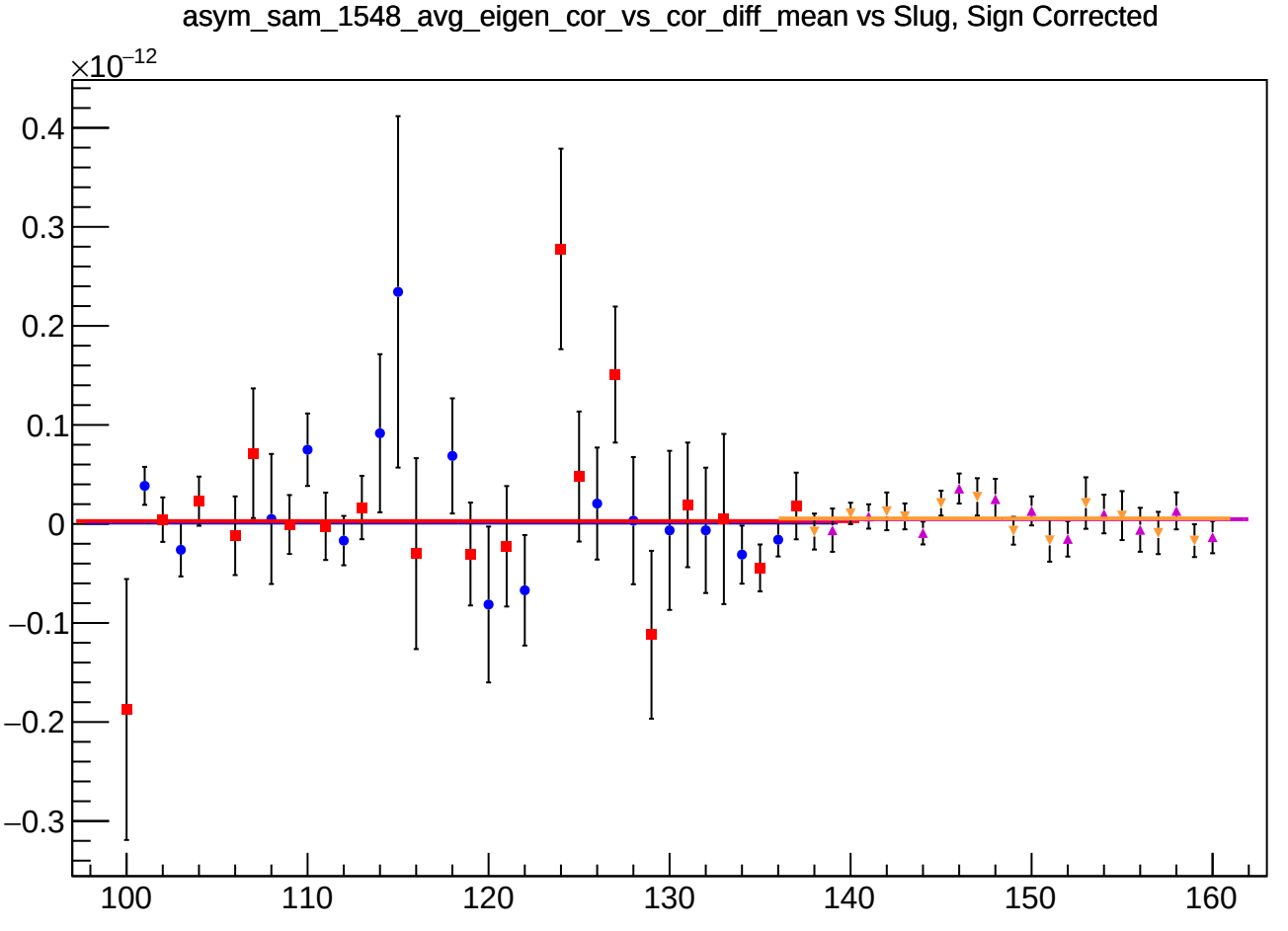
Left: 42.939+/-0.007 χ^2/NDF: 967667.6/22

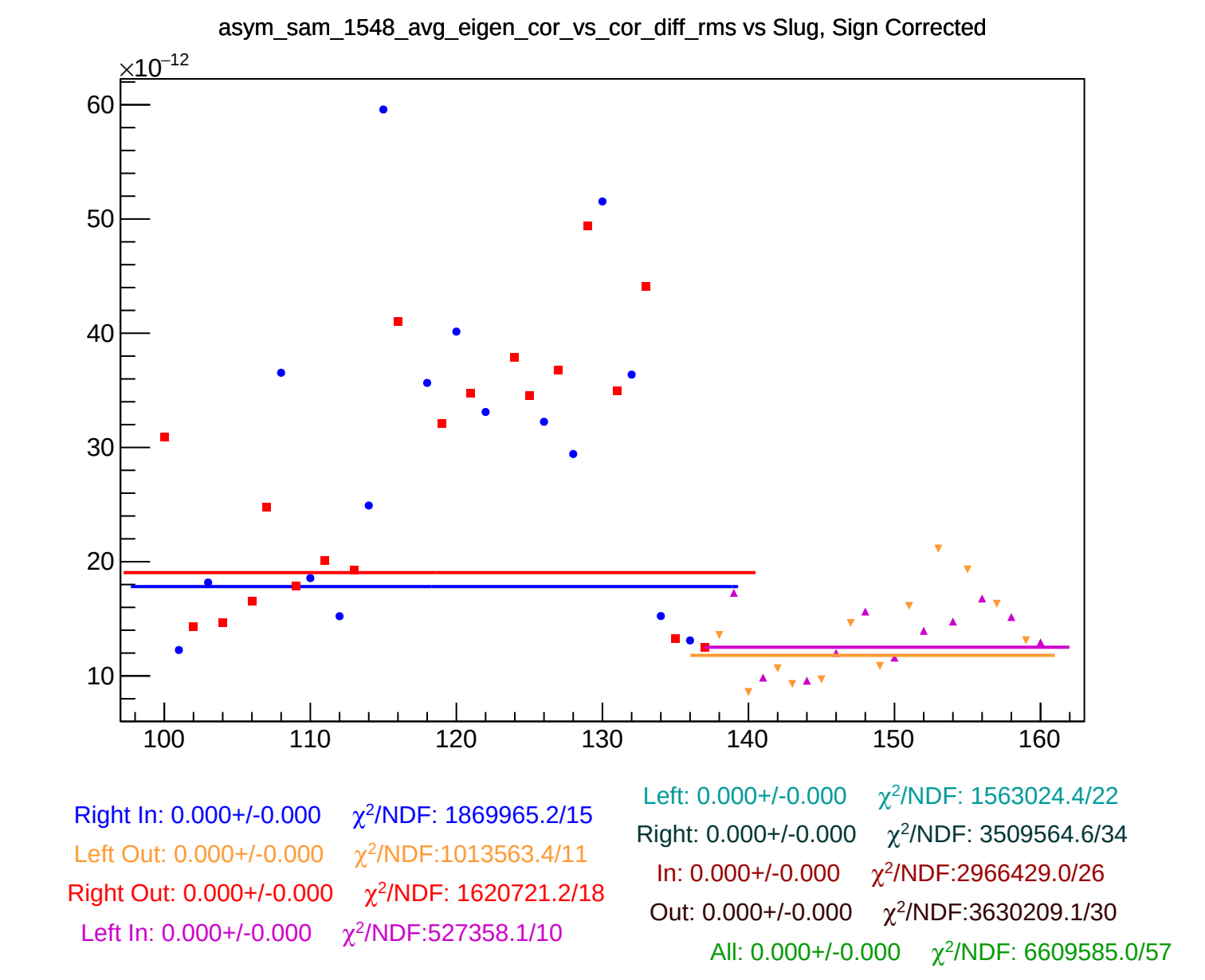
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 30.964+/-0.006 χ^2/NDF:4617715.1/26

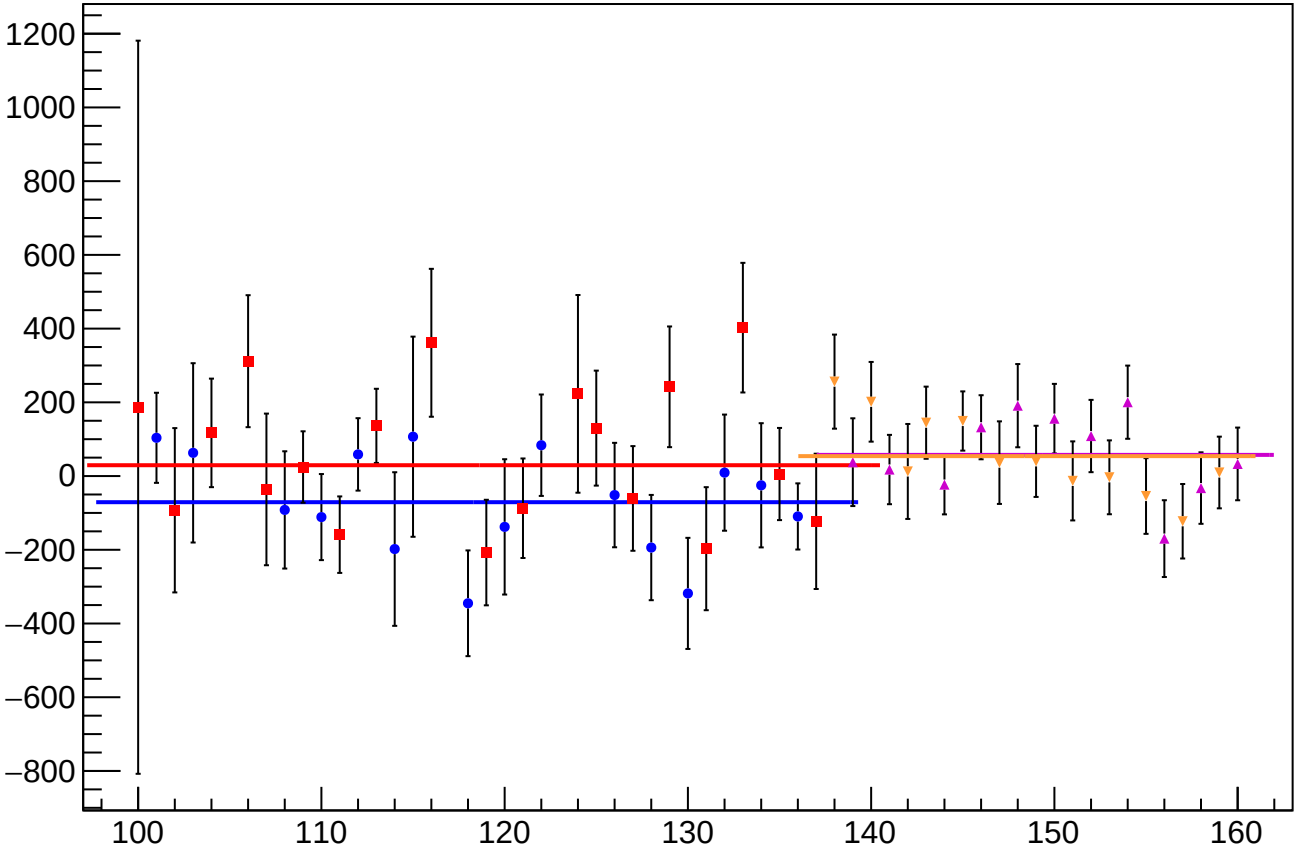
Out: 31.611+/-0.006 χ^2/NDF:4320522.9/30

All: 31.284+/-0.004 χ^2/NDF: 8944201.1/57


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:10.2/10
Left: 0.000+/-0.000 χ²/NDF: 18.5/22
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:29.0/26
Out: 0.000+/-0.000 χ²/NDF:31.8/30
All: 0.000+/-0.000 χ²/NDF: 60.9/57


asym_sam_1548_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: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1013563.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:527358.1/10
Left: 0.000+/-0.000 χ²/NDF: 1563024.4/22
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2966429.0/26
Out: 0.000+/-0.000 χ²/NDF:3630209.1/30
All: 0.000+/-0.000 χ²/NDF: 6609585.0/57

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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: 57.421+/-29.277 χ^2/NDF:12.5/10

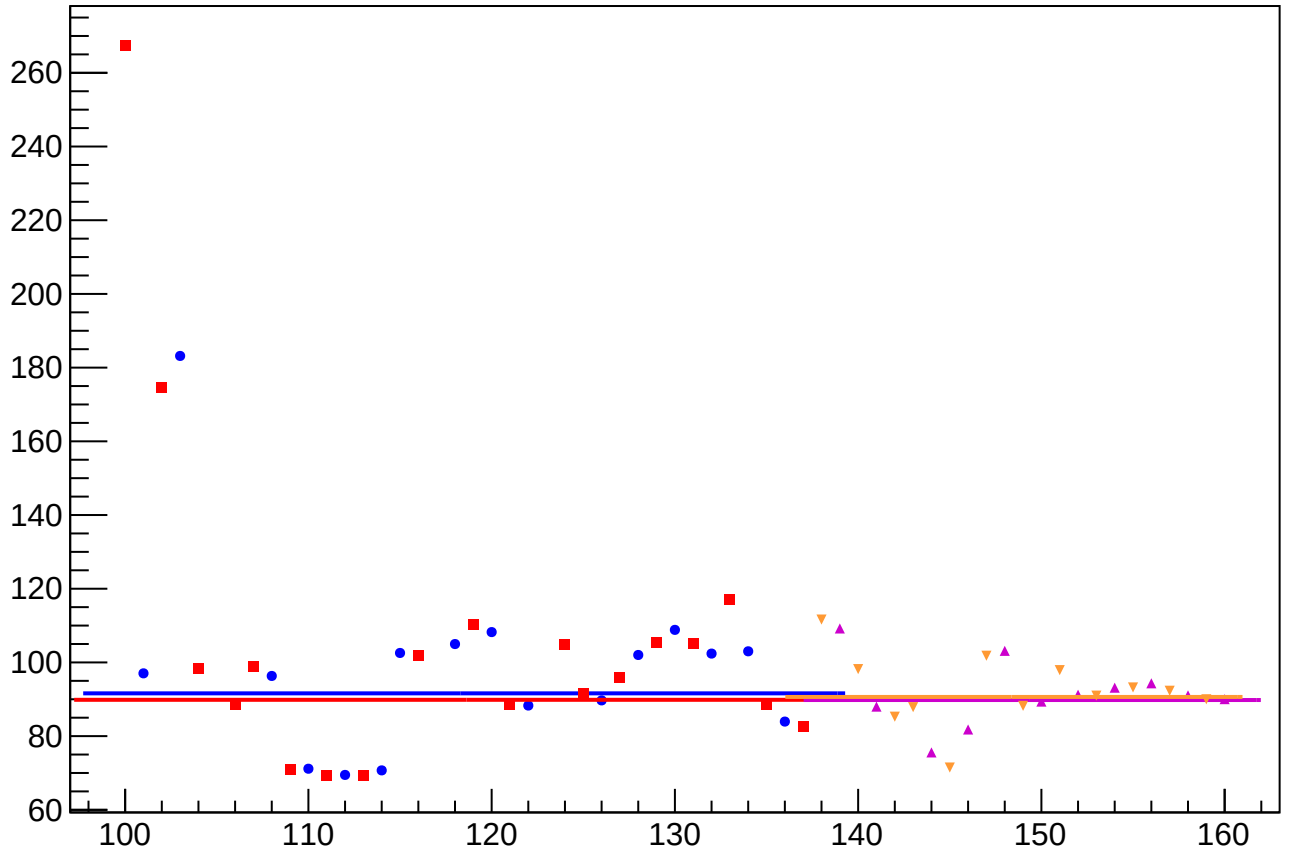
Left: 55.757+/-20.827 χ^2/NDF: 24.3/22

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 4.817+/-22.488 χ^2/NDF:34.4/26

Out: 43.500+/-22.408 χ^2/NDF:36.2/30

All: 24.228+/-15.873 χ^2/NDF: 72.1/57



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: 89.795+/-0.021 χ^2/NDF:167667.3/10

Left: 90.208+/-0.015 χ^2/NDF: 383423.9/22

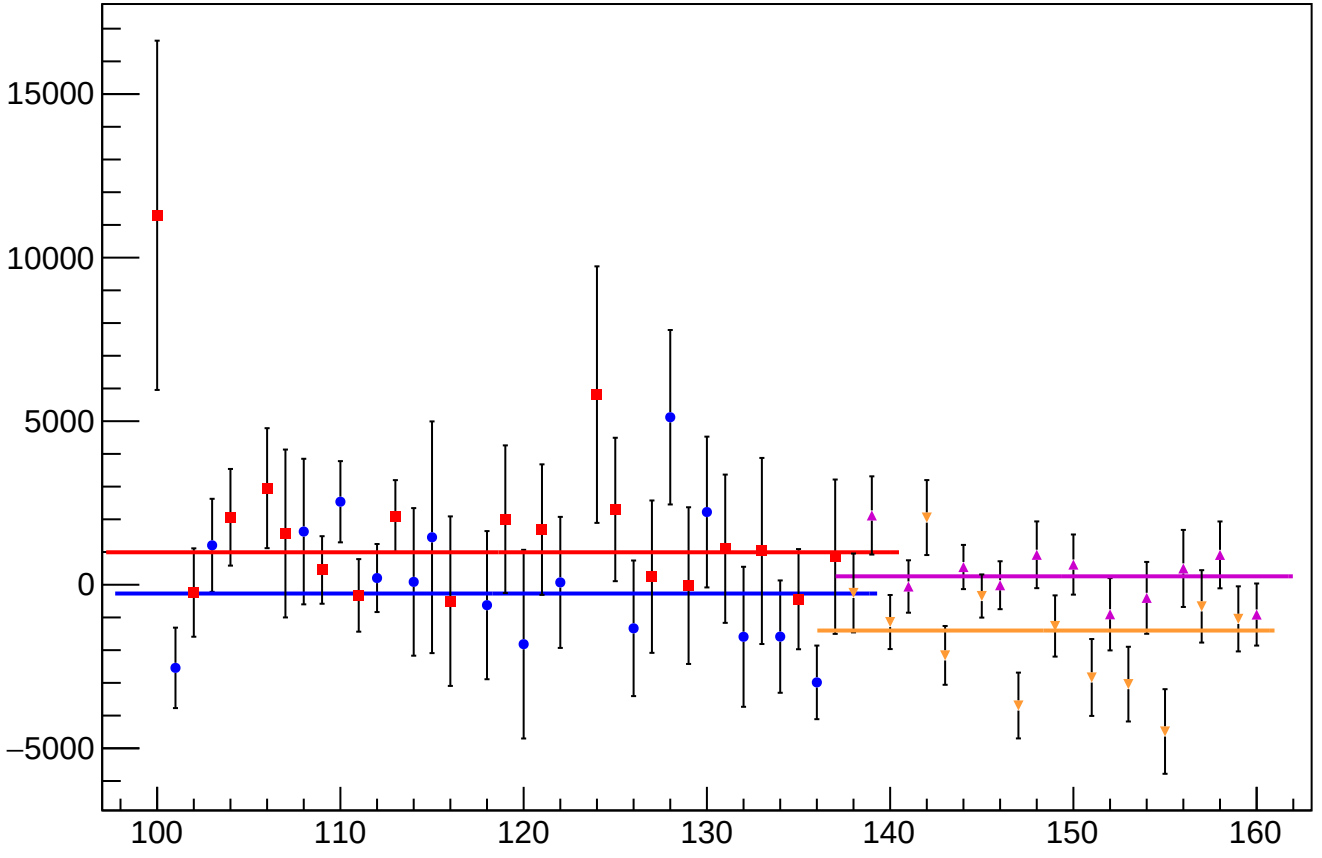
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.538+/-0.016 χ^2/NDF:751483.8/26

Out: 90.298+/-0.016 χ^2/NDF:961828.7/30

All: 90.418+/-0.011 χ^2/NDF: 1713426.6/57

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: 257.427+/-278.540 χ^2/NDF:6.9/10

Left: -558.246+/-198.497 χ^2/NDF: 52.7/22

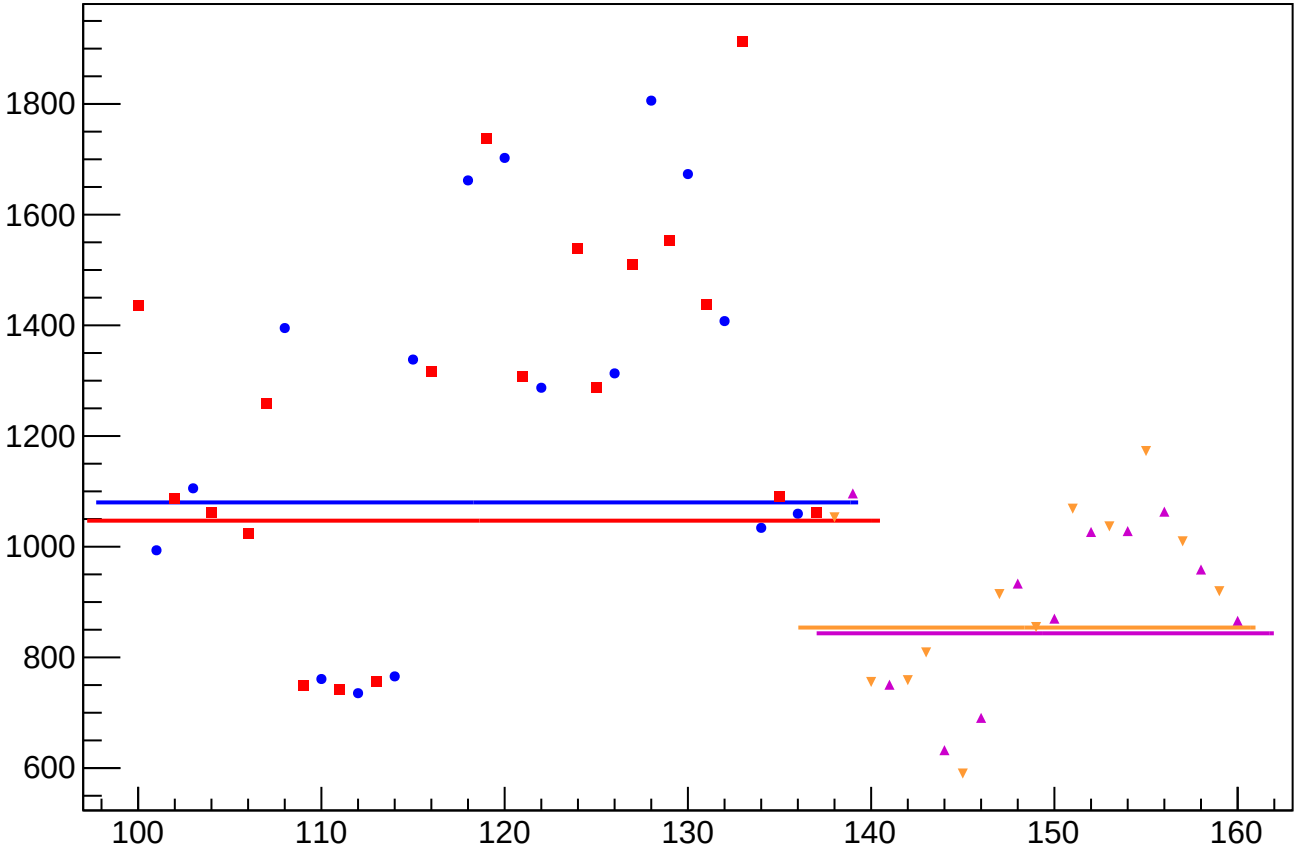
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 96.553+/-232.060 χ^2/NDF:31.4/26

Out: -604.196+/-231.154 χ^2/NDF:64.8/30

All: -255.191+/-163.770 χ^2/NDF: 100.8/57

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: 843.528+/-0.197 χ^2/NDF:623380.0/10

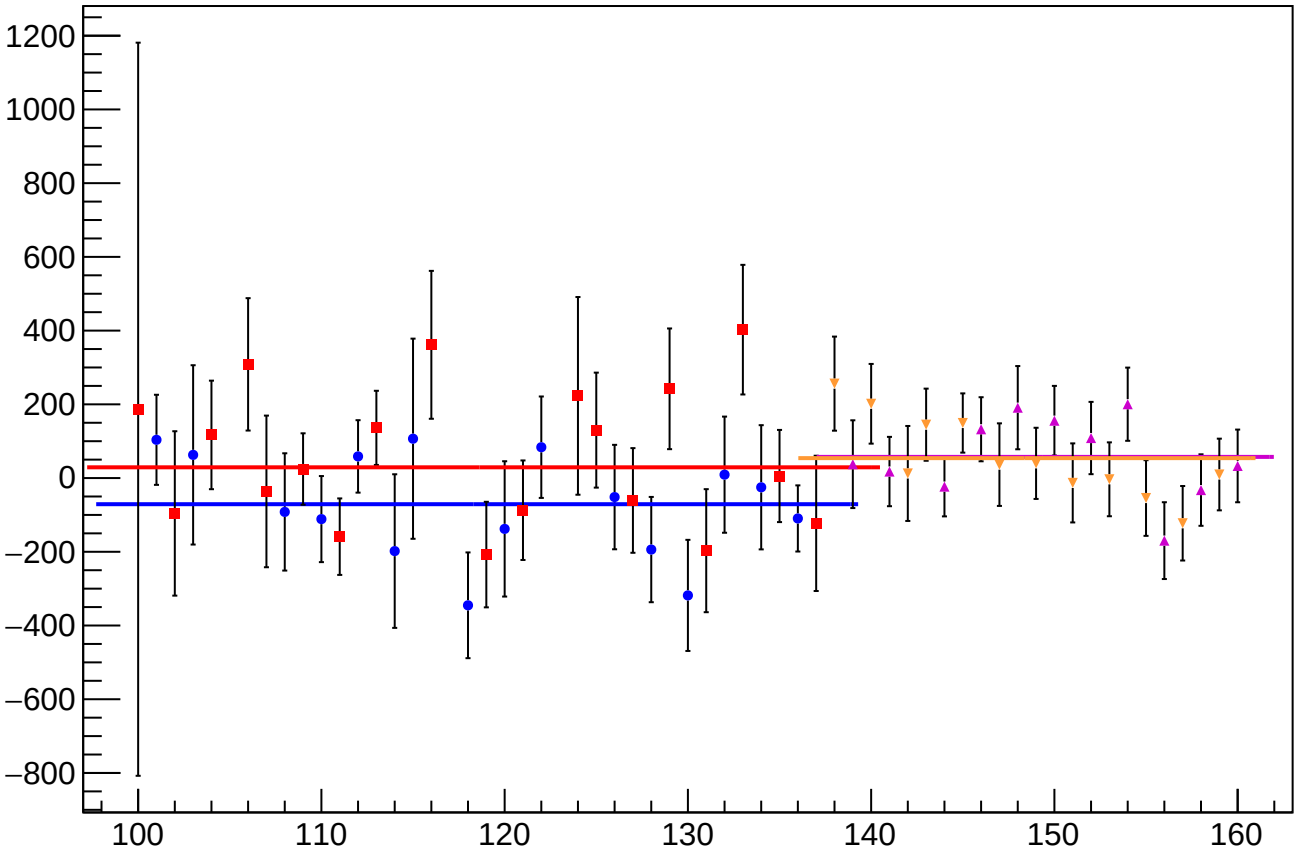
Left: 848.646+/-0.140 χ^2/NDF: 1341134.3/22

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 915.878+/-0.164 χ^2/NDF:2117967.3/26

Out: 918.162+/-0.163 χ^2/NDF:2224961.7/30

All: 917.024+/-0.116 χ^2/NDF: 4343026.3/57



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: 57.425+/-29.277 χ^2/NDF:12.4/10

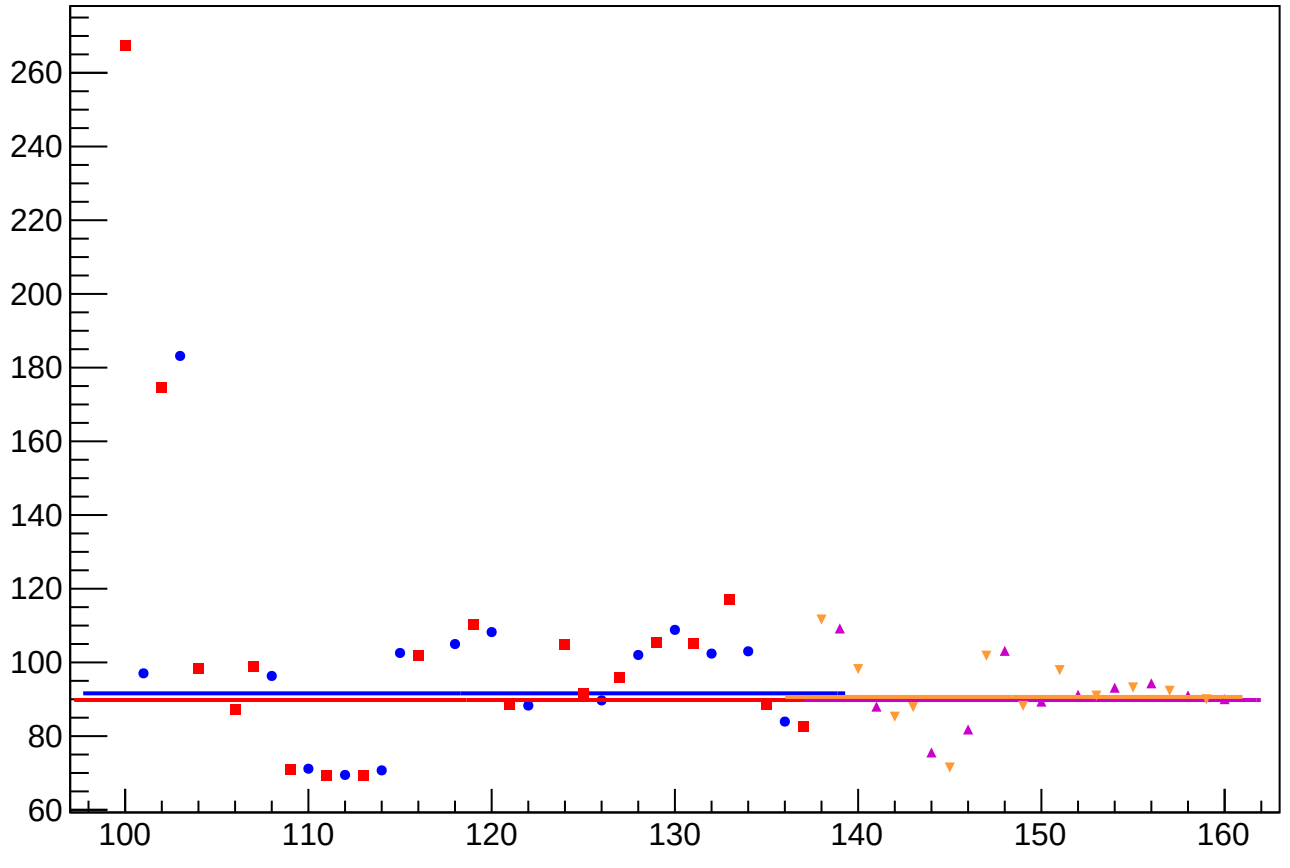
Left: 55.760+/-20.827 χ^2/NDF: 24.3/22

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 4.814+/-22.488 χ^2/NDF:34.4/26

Out: 43.396+/-22.409 χ^2/NDF:36.1/30

All: 24.173+/-15.873 χ^2/NDF: 72.0/57



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: 89.795+/-0.021 χ^2/NDF:167667.3/10

Left: 90.208+/-0.015 χ^2/NDF: 383423.9/22

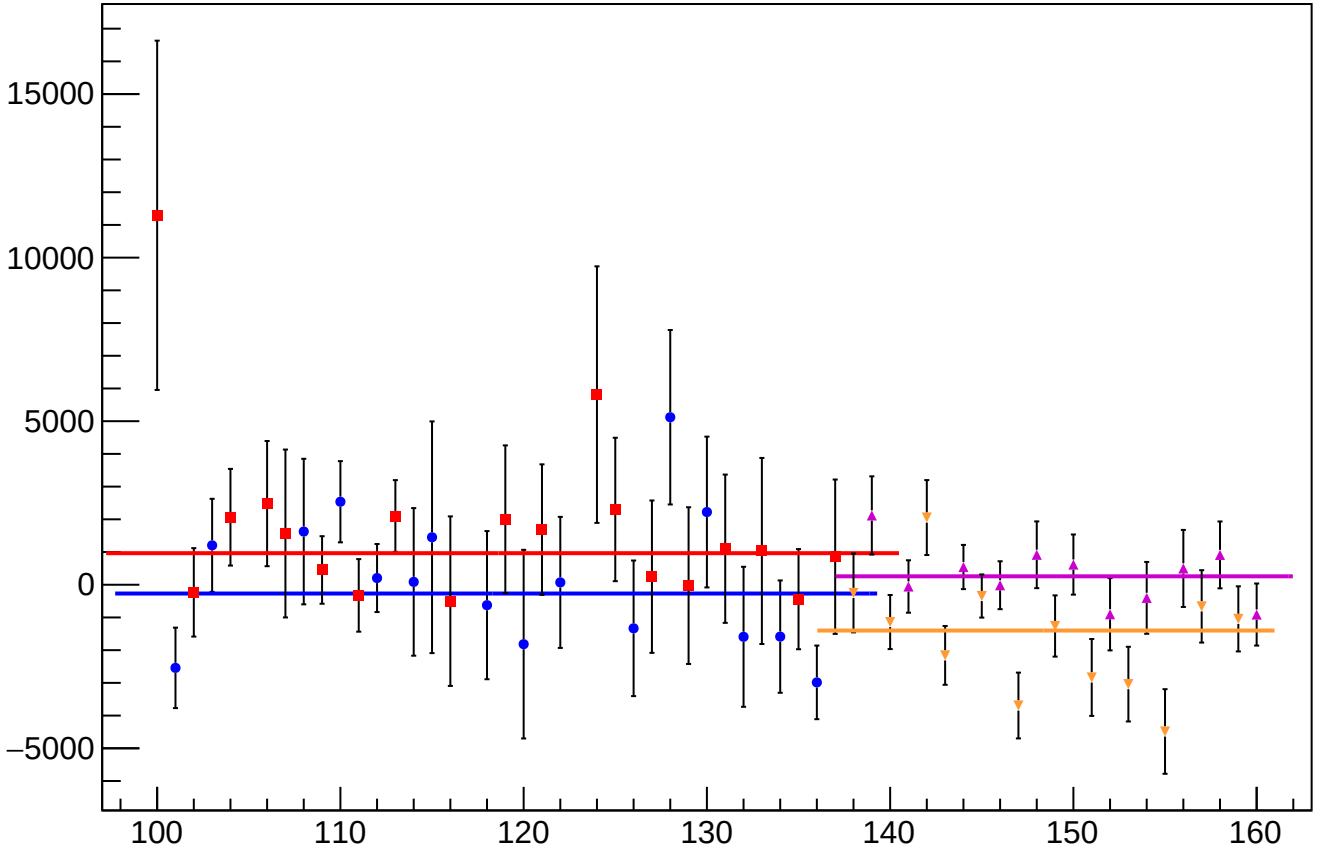
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.538+/-0.016 χ^2/NDF:751486.9/26

Out: 90.278+/-0.016 χ^2/NDF:962447.0/30

All: 90.408+/-0.011 χ^2/NDF: 1714068.2/57

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: 257.435+/-278.540 χ^2/NDF:6.9/10

Left: -558.241+/-198.497 χ^2/NDF: 52.7/22

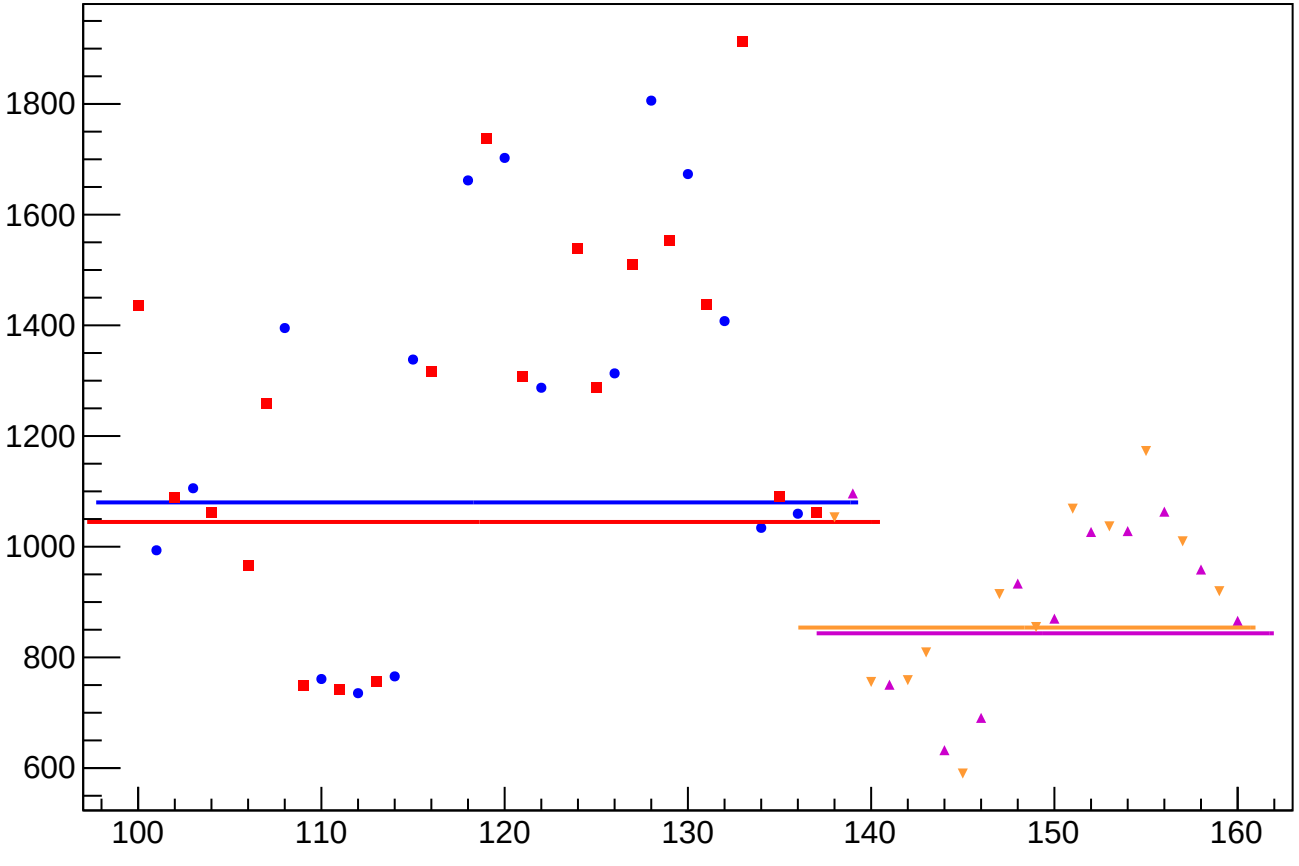
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 96.554+/-232.060 χ^2/NDF:31.4/26

Out: -615.516+/-231.309 χ^2/NDF:63.7/30

All: -260.635+/-163.825 χ^2/NDF: 99.8/57

asym_sam_3748_avg_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: 843.528+/-0.197 χ^2/NDF:623378.3/10

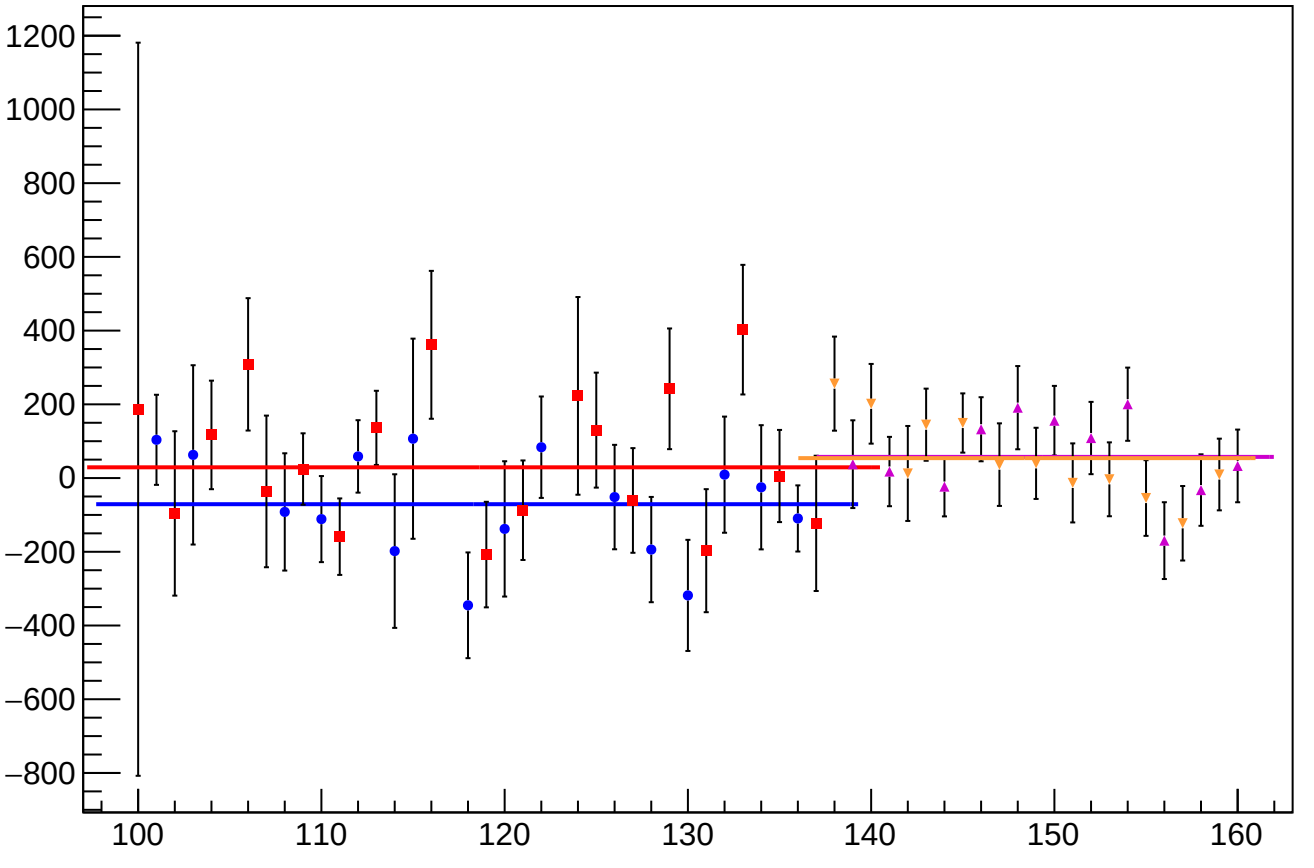
Left: 848.646+/-0.140 χ^2/NDF: 1341135.3/22

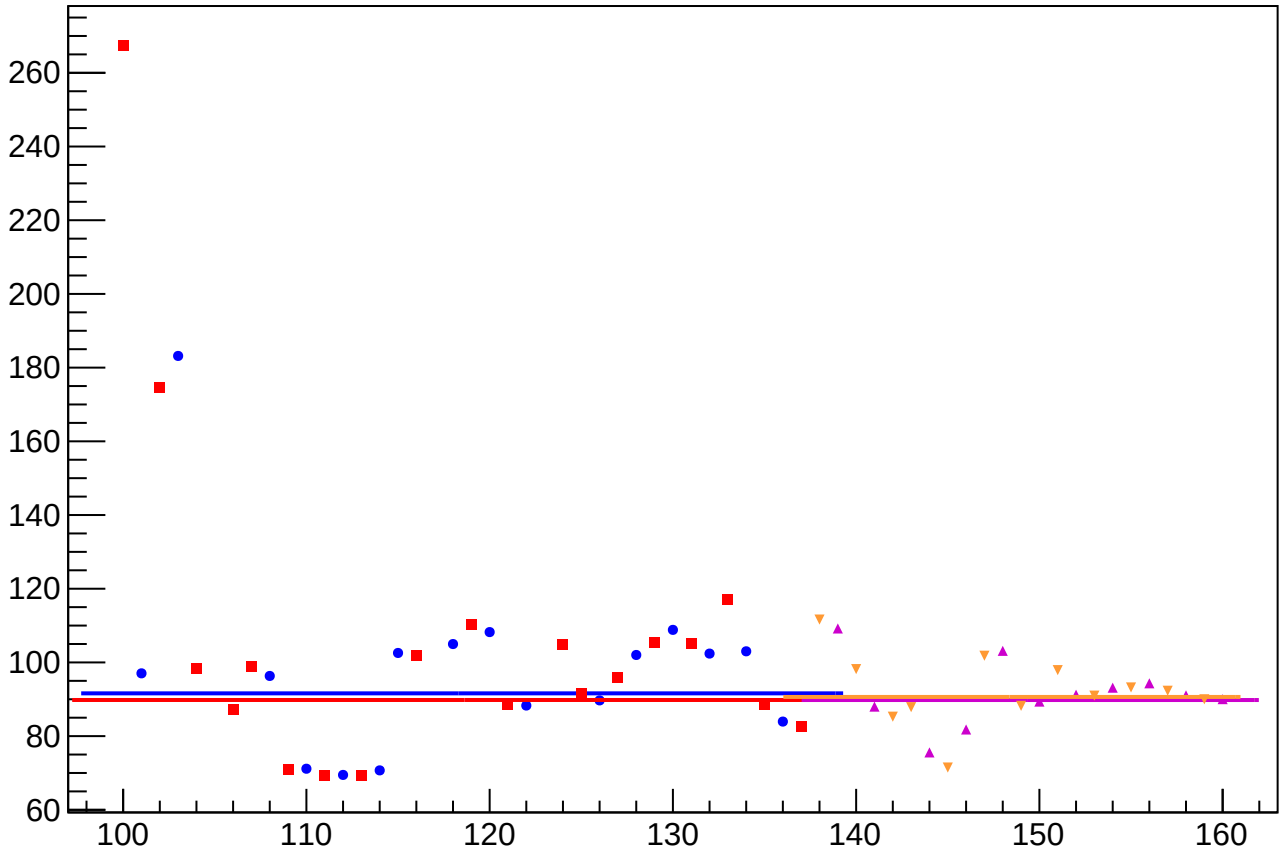
Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 915.879+/-0.164 χ^2/NDF:2117999.0/26

Out: 917.209+/-0.164 χ^2/NDF:2219832.4/30

All: 916.546+/-0.116 χ^2/NDF: 4337864.3/57


eigen_cor_asym_sam_3748_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: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 54.054+/-29.633 χ²/NDF:11.9/11
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 57.425+/-29.277 χ²/NDF:12.4/10
Left: 55.760+/-20.827 χ²/NDF: 24.3/22
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 4.814+/-22.488 χ²/NDF:34.4/26
Out: 43.396+/-22.409 χ²/NDF:36.1/30
All: 24.173+/-15.873 χ²/NDF: 72.0/57



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: 89.795+/-0.021 χ^2/NDF:167667.3/10

Left: 90.208+/-0.015 χ^2/NDF: 383423.9/22

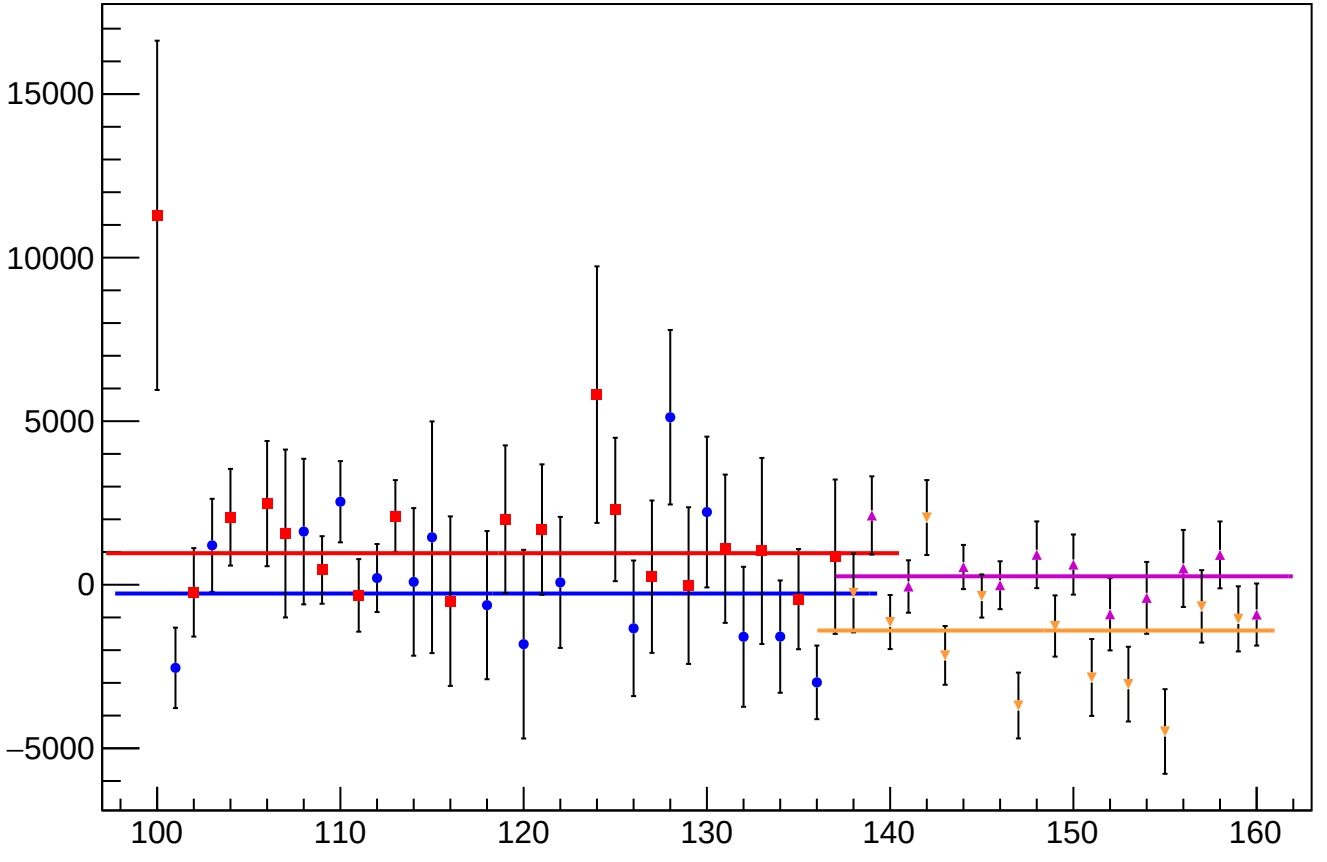
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.538+/-0.016 χ^2/NDF:751486.9/26

Out: 90.278+/-0.016 χ^2/NDF:962447.0/30

All: 90.408+/-0.011 χ^2/NDF: 1714068.2/57

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1399.923+/-282.945 χ^2/NDF:28.4/11

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 257.435+/-278.540 χ^2/NDF:6.9/10

Left: -558.241+/-198.497 χ^2/NDF: 52.7/22

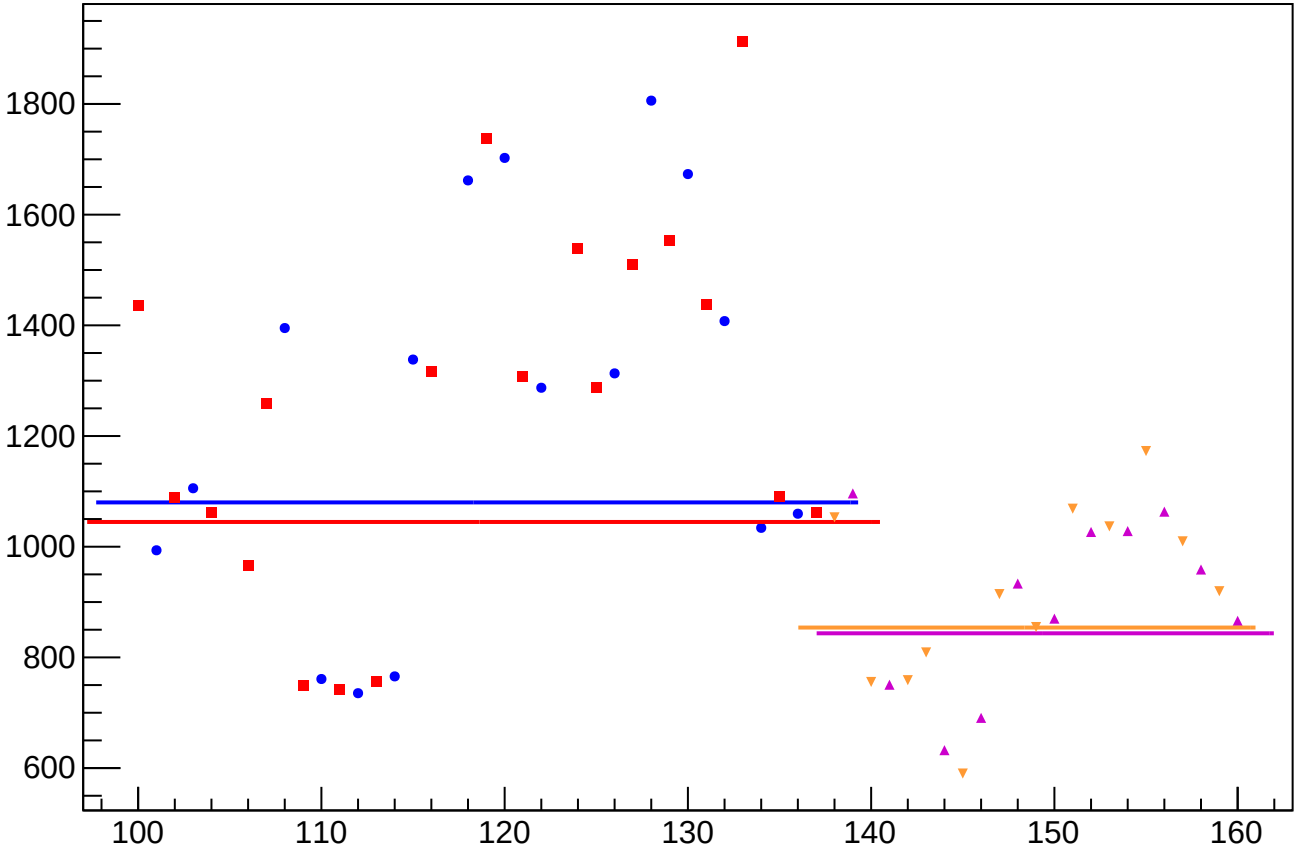
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 96.554+/-232.060 χ^2/NDF:31.4/26

Out: -615.516+/-231.309 χ^2/NDF:63.7/30

All: -260.635+/-163.825 χ^2/NDF: 99.8/57

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: 843.528+/-0.197 χ^2/NDF:623378.3/10

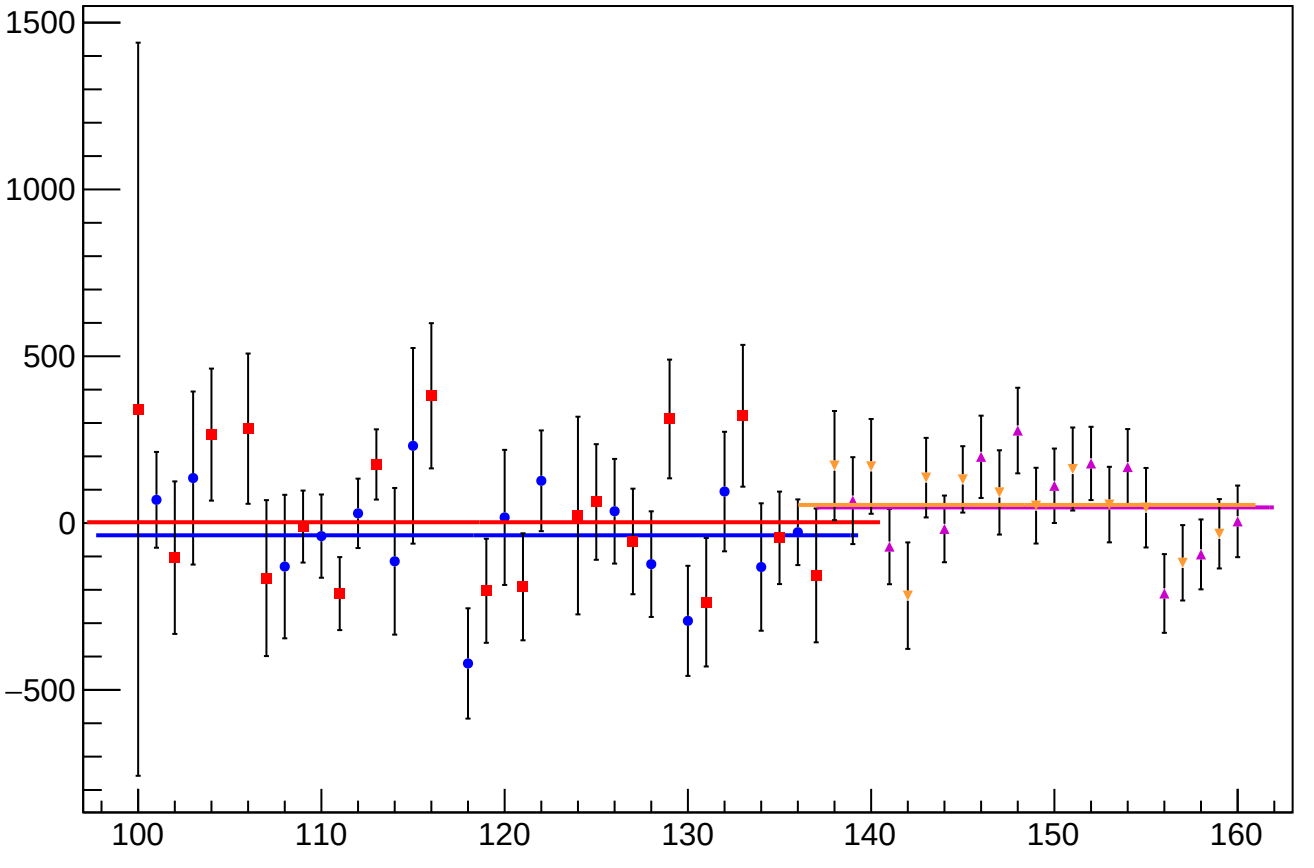
Left: 848.646+/-0.140 χ^2/NDF: 1341135.3/22

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 915.879+/-0.164 χ^2/NDF:2117999.0/26

Out: 917.209+/-0.164 χ^2/NDF:2219832.4/30

All: 916.546+/-0.116 χ^2/NDF: 4337864.3/57



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: 46.936+/-34.212 χ^2/NDF:15.9/10

Left: 50.595+/-24.427 χ^2/NDF: 25.0/22

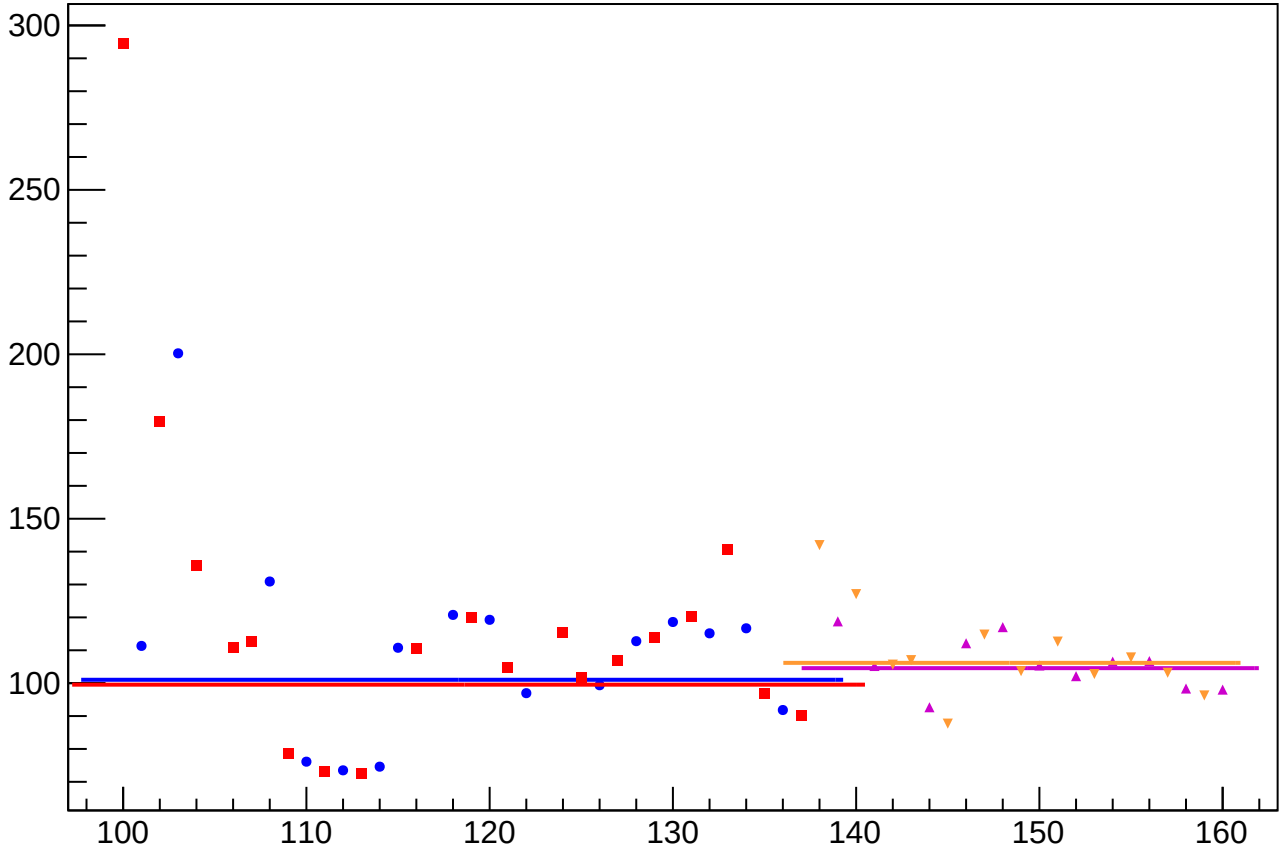
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 10.602+/-25.716 χ^2/NDF:31.4/26

Out: 30.804+/-25.750 χ^2/NDF:34.8/30

All: 20.690+/-18.196 χ^2/NDF: 66.5/57

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: 104.565+/-0.024 χ^2/NDF:95415.7/10

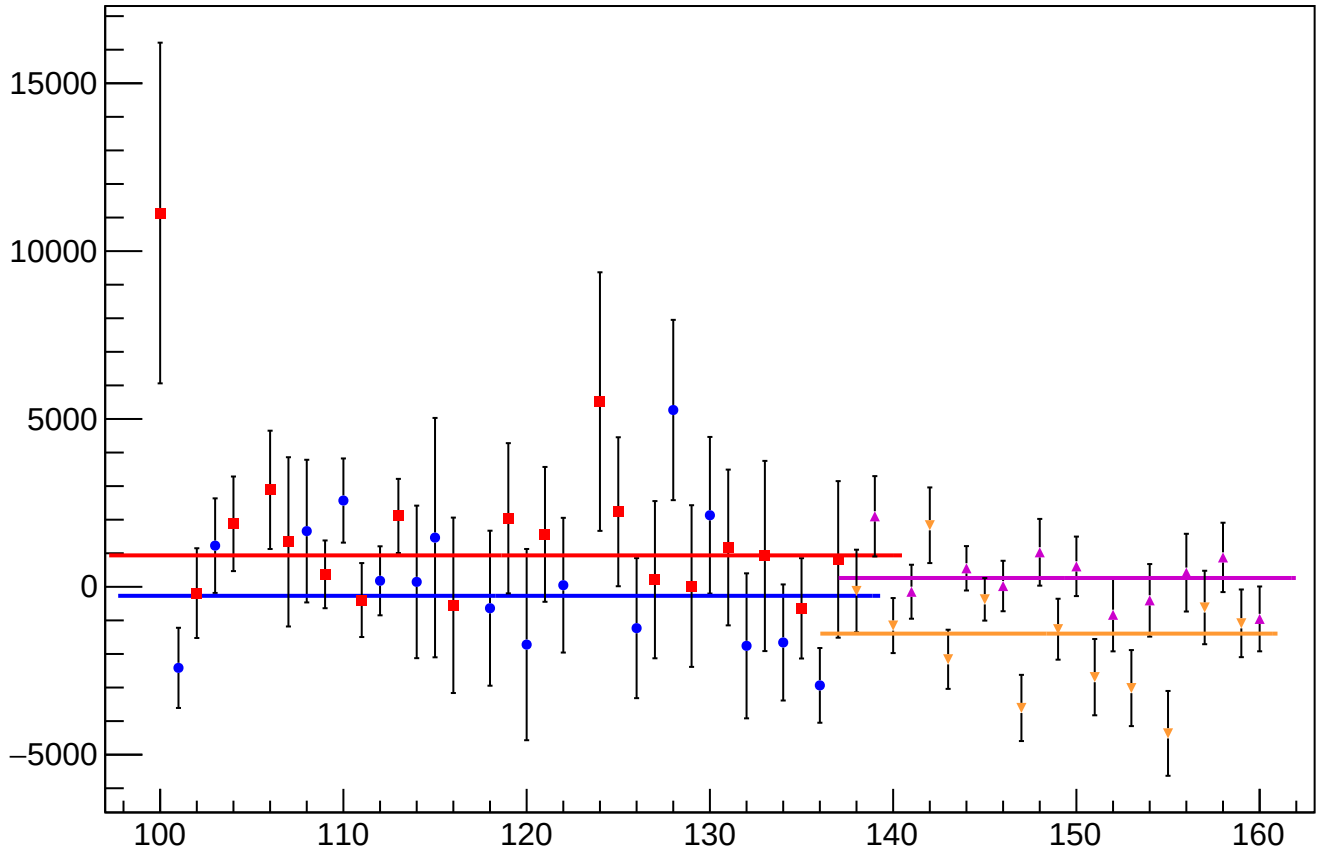
Left: 105.355+/-0.017 χ^2/NDF: 343083.3/22

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.028+/-0.018 χ^2/NDF:820792.0/26

Out: 103.158+/-0.018 χ^2/NDF:1158861.7/30

All: 103.093+/-0.013 χ^2/NDF: 1979679.5/57



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: 263.237+/-276.911 χ^2/NDF:7.0/10

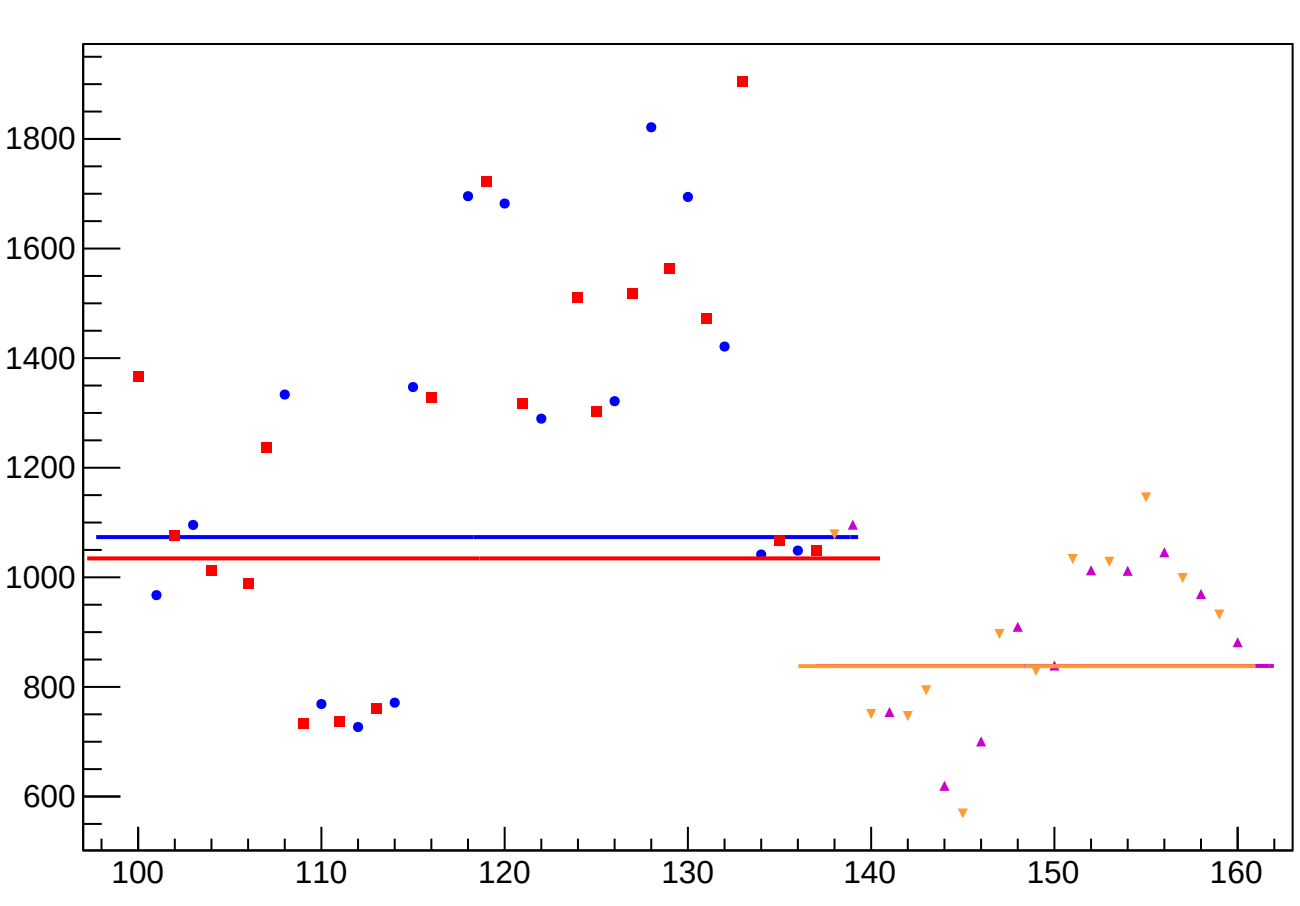
Left: -562.623+/-196.122 χ^2/NDF: 52.1/22

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 100.734+/-230.692 χ^2/NDF:31.6/26

Out: -625.764+/-227.470 χ^2/NDF:63.6/30

All: -267.624+/-161.973 χ^2/NDF: 100.2/57



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: 838.273+/-0.196 χ^2/NDF:614690.6/10

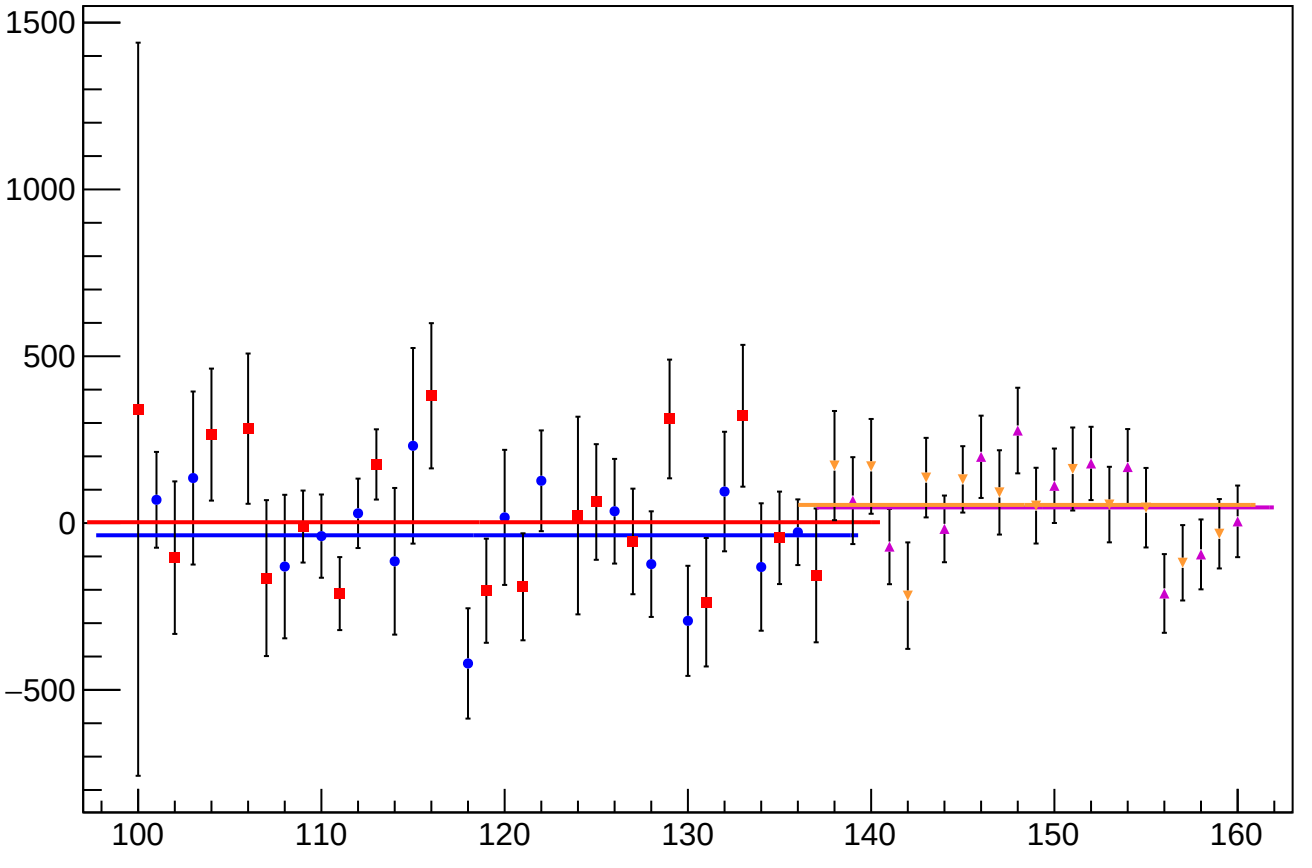
Left: 838.094+/-0.139 χ^2/NDF: 1394508.6/22

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 910.230+/-0.163 χ^2/NDF:2133139.1/26

Out: 902.713+/-0.161 χ^2/NDF:2339335.8/30

All: 906.418+/-0.115 χ^2/NDF: 4473551.4/57



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: 46.936+/-34.213 χ^2/NDF:15.9/10

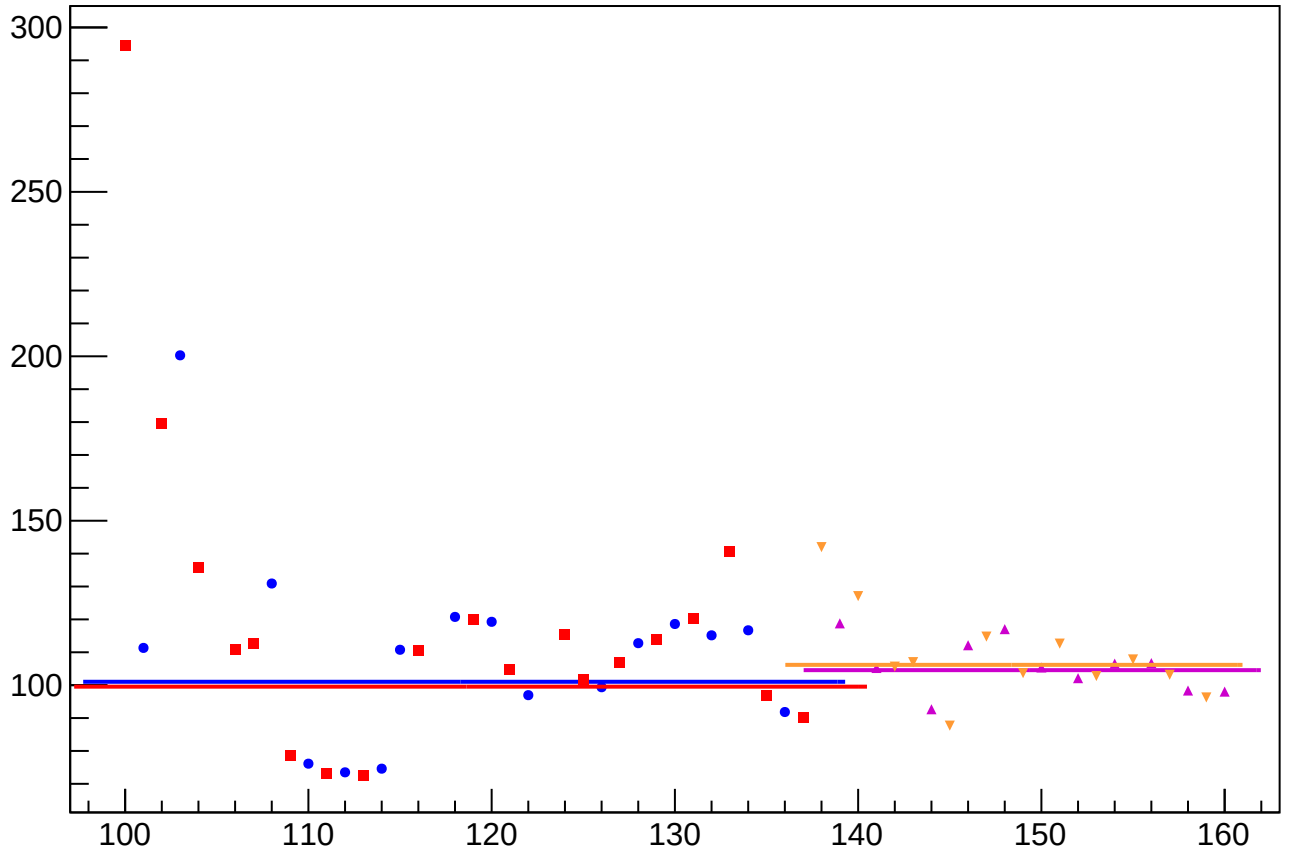
Left: 50.596+/-24.427 χ^2/NDF: 25.0/22

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 10.602+/-25.716 χ^2/NDF:31.4/26

Out: 30.804+/-25.750 χ^2/NDF:34.8/30

All: 20.690+/-18.196 χ^2/NDF: 66.5/57



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: 104.565+/-0.024 χ^2/NDF:95414.9/10

Left: 105.355+/-0.017 χ^2/NDF: 343077.6/22

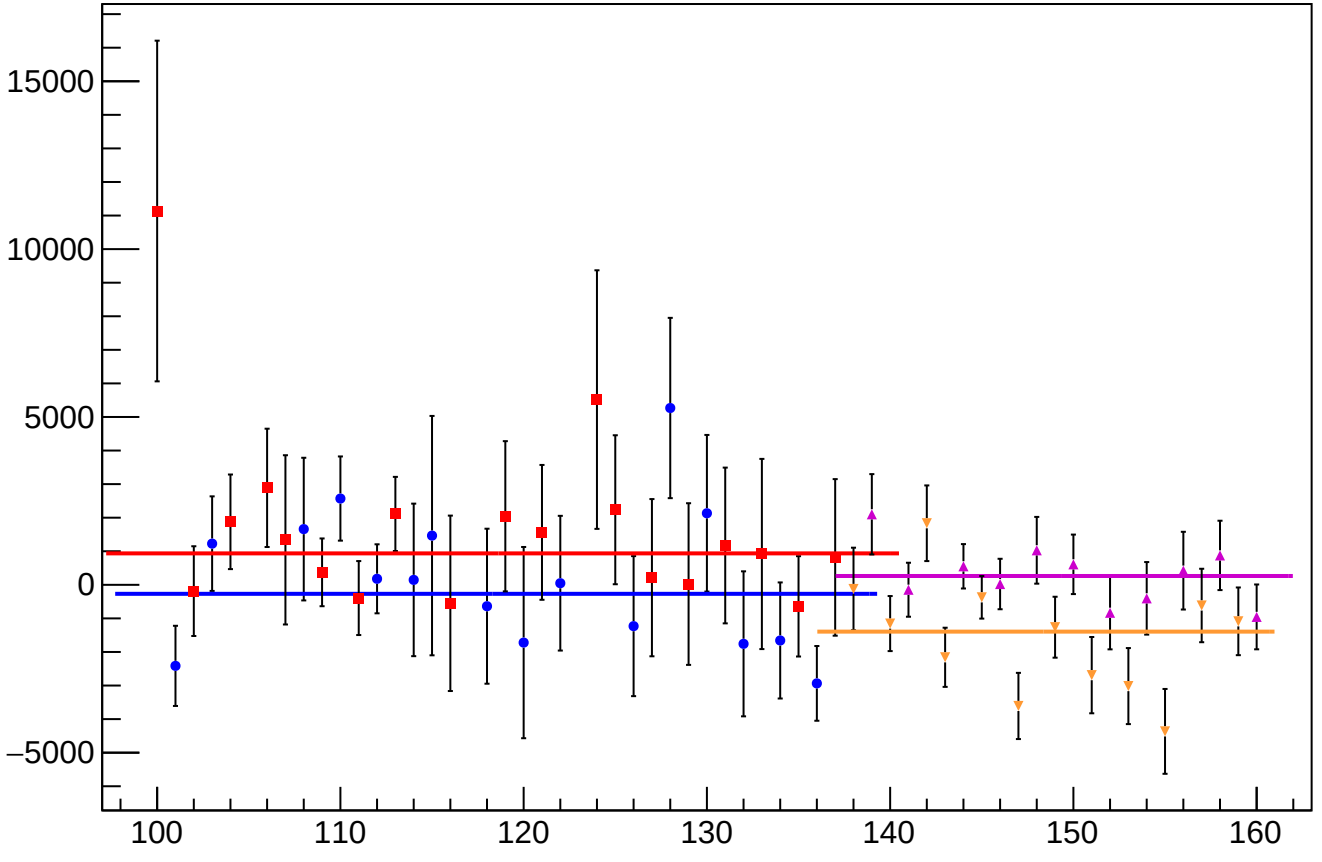
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.028+/-0.018 χ^2/NDF:820791.0/26

Out: 103.159+/-0.018 χ^2/NDF:1158861.6/30

All: 103.093+/-0.013 χ^2/NDF: 1979678.5/57

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: 263.236+/-276.911 χ^2/NDF:7.0/10

Left: -562.623+/-196.122 χ^2/NDF: 52.1/22

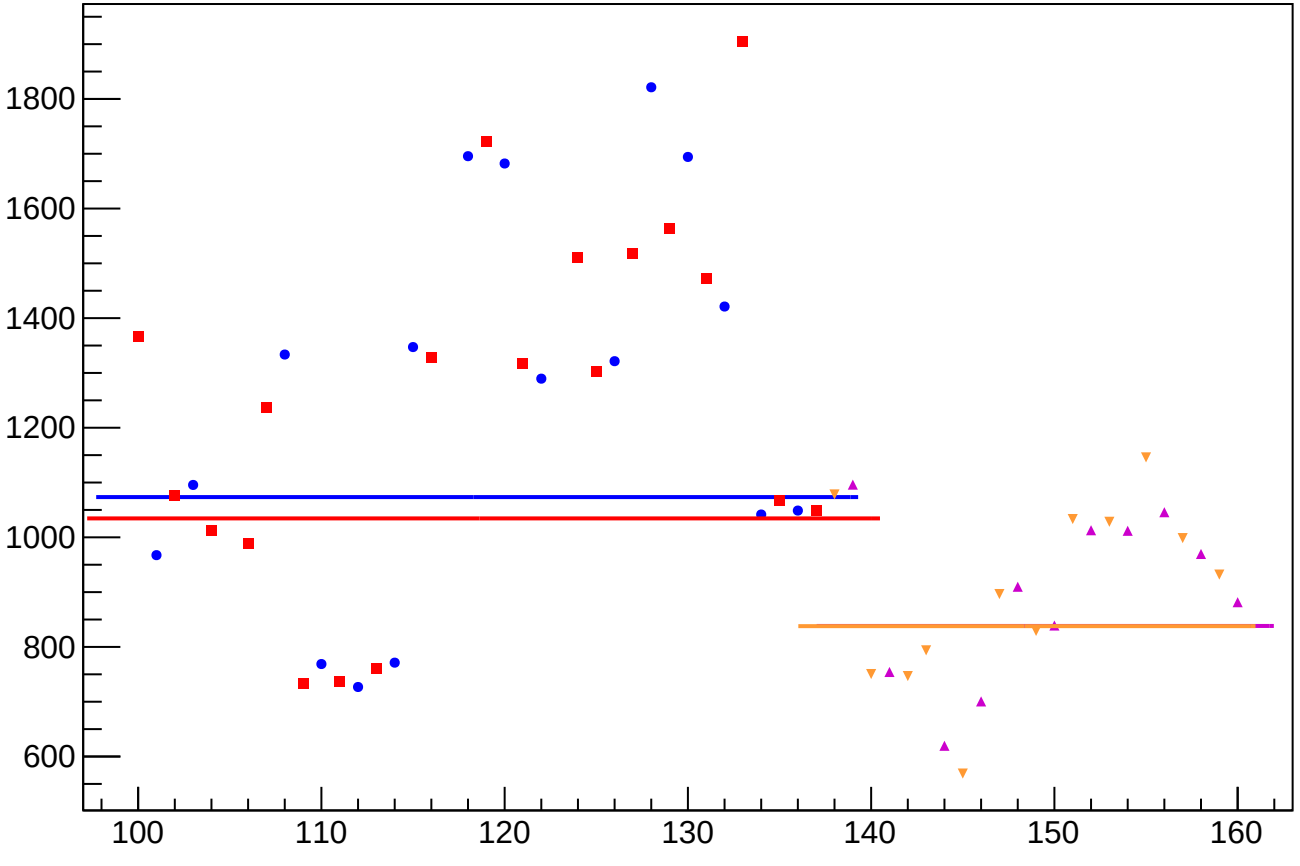
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 100.734+/-230.692 χ^2/NDF:31.6/26

Out: -625.763+/-227.469 χ^2/NDF:63.6/30

All: -267.624+/-161.972 χ^2/NDF: 100.2/57

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 838.272+/-0.196 χ^2/NDF:614689.3/10

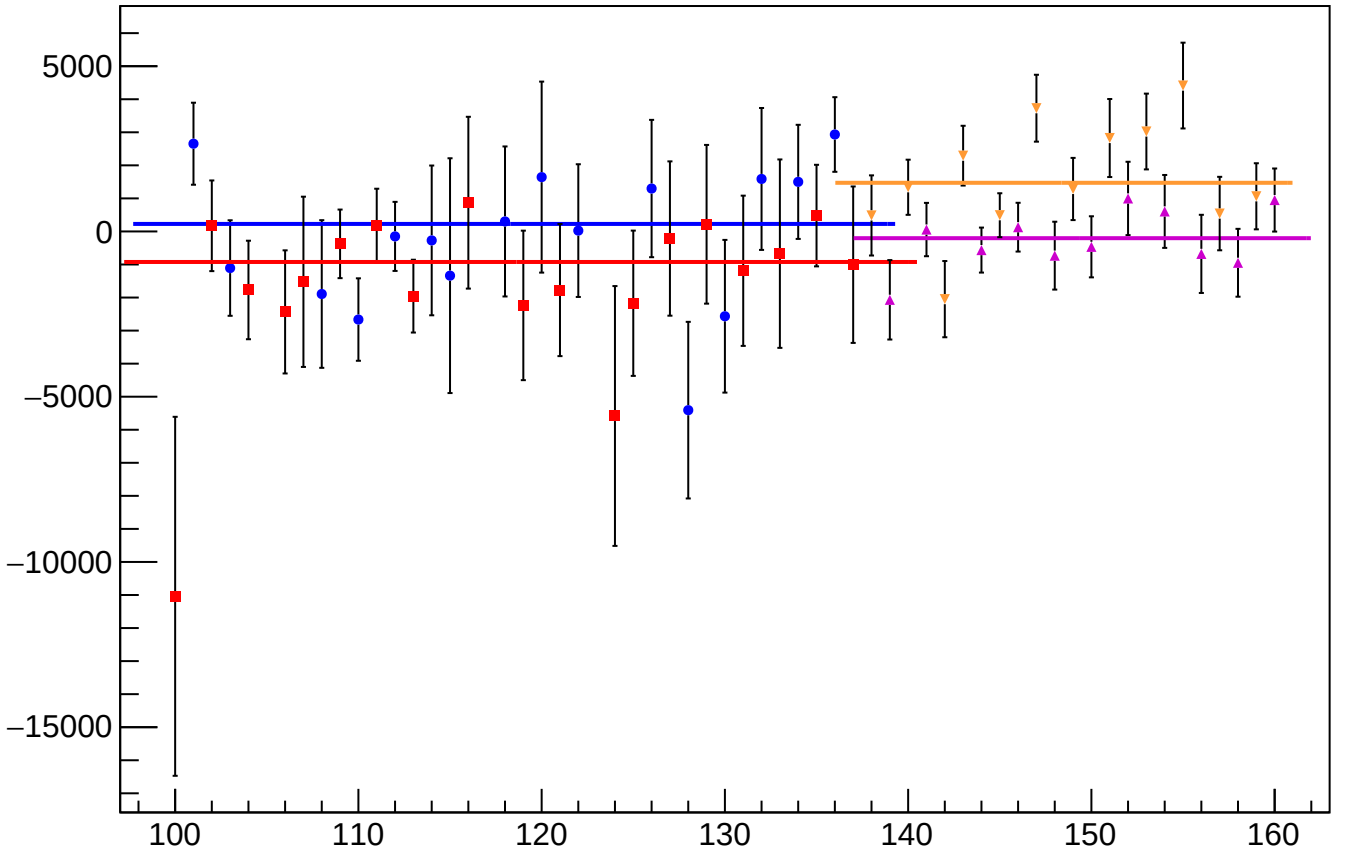
Left: 838.092+/-0.139 χ^2/NDF: 1394510.2/22

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 910.228+/-0.163 χ^2/NDF:2133141.2/26

Out: 902.712+/-0.161 χ^2/NDF:2339340.9/30

All: 906.417+/-0.115 χ^2/NDF: 4473558.8/57



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: -203.717+/-280.185 χ^2/NDF:7.2/10

Left: 620.880+/-199.680 χ^2/NDF: 52.0/22

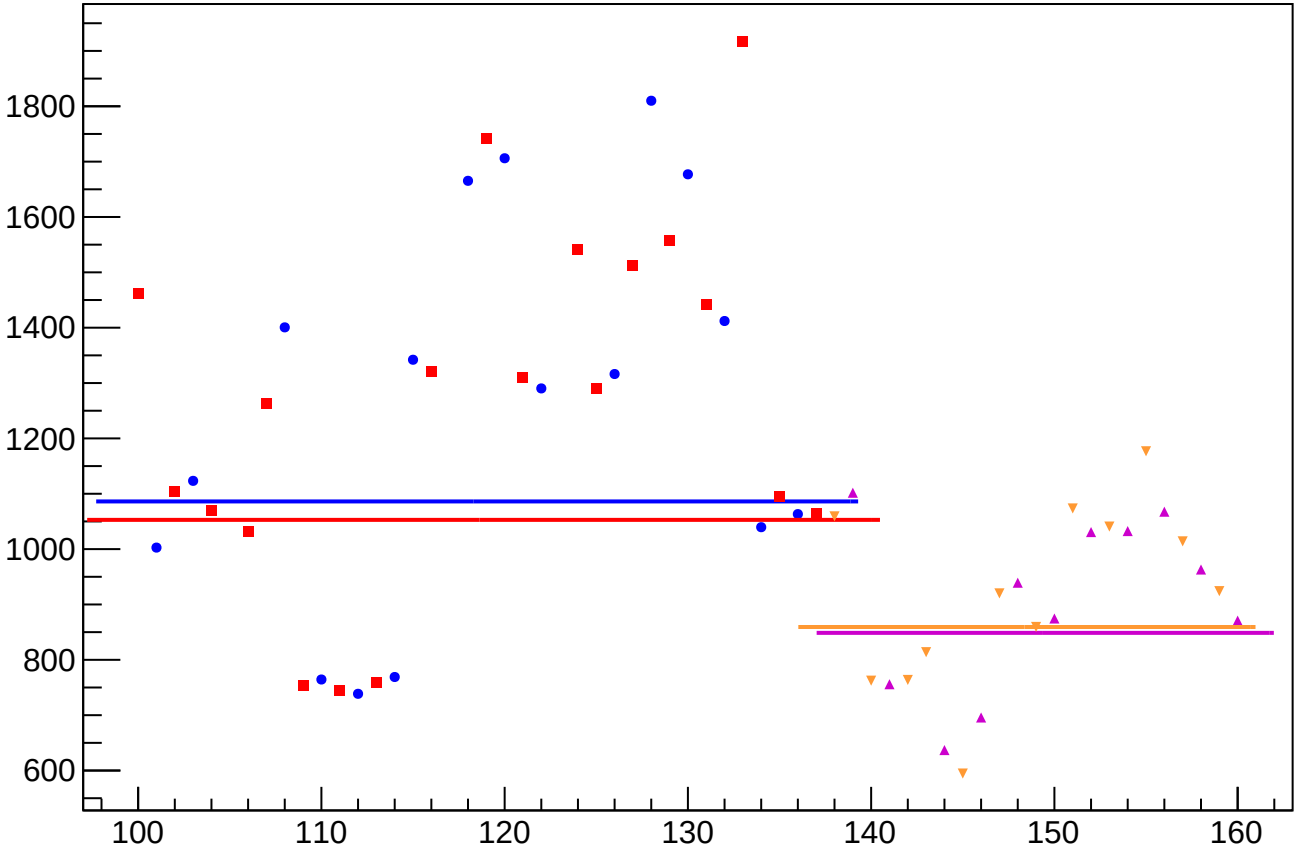
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -71.714+/-233.393 χ^2/NDF:32.4/26

Out: 674.873+/-232.519 χ^2/NDF:61.9/30

All: 302.979+/-164.724 χ^2/NDF: 99.4/57

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: 848.710+/-0.198 χ^2/NDF:615563.0/10

Left: 853.919+/-0.141 χ^2/NDF: 1324139.8/22

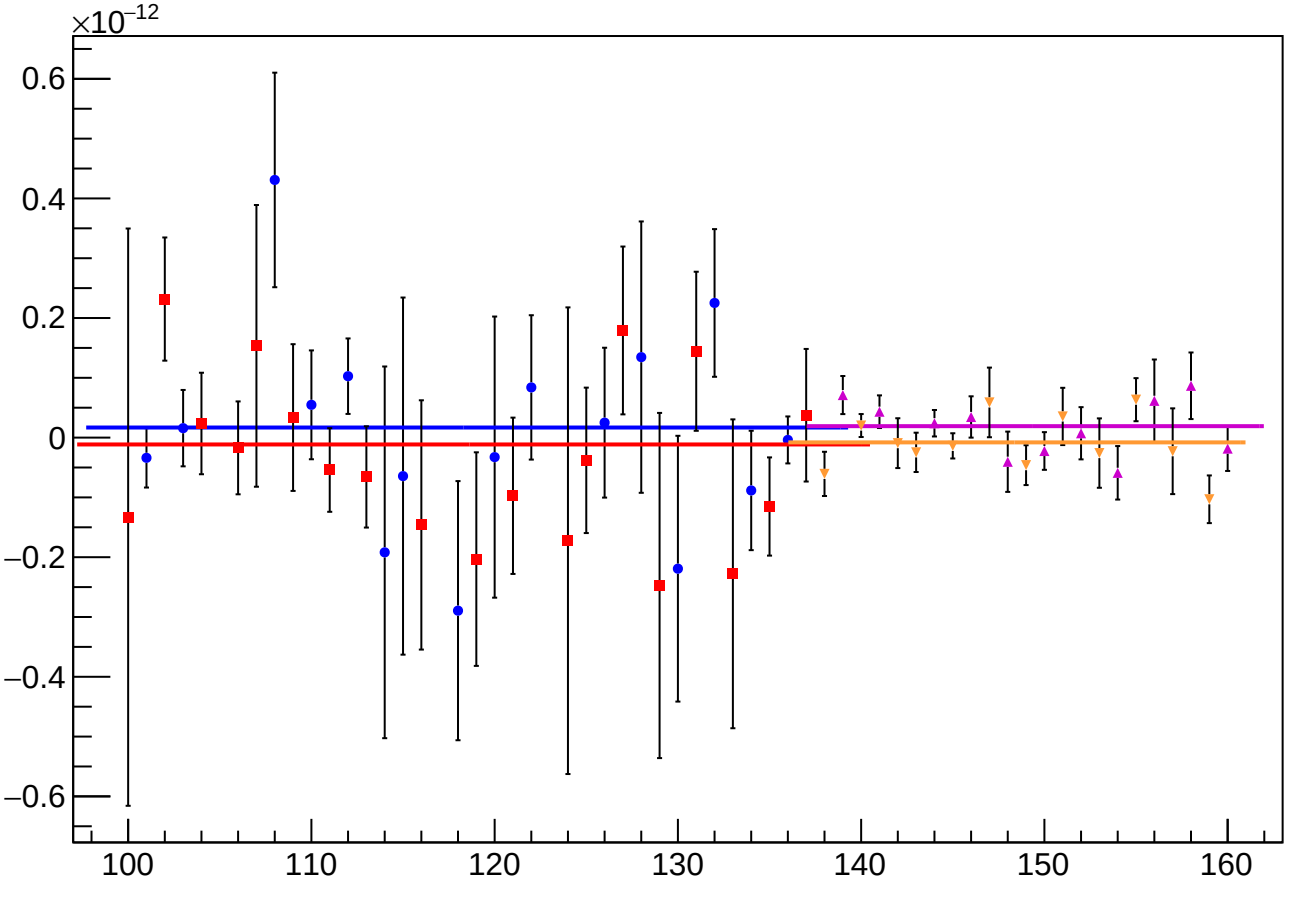
Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 921.390+/-0.165 χ^2/NDF:2102674.0/26

Out: 923.691+/-0.164 χ^2/NDF:2209216.0/30

All: 922.545+/-0.116 χ^2/NDF: 4311987.5/57

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:12.8/10

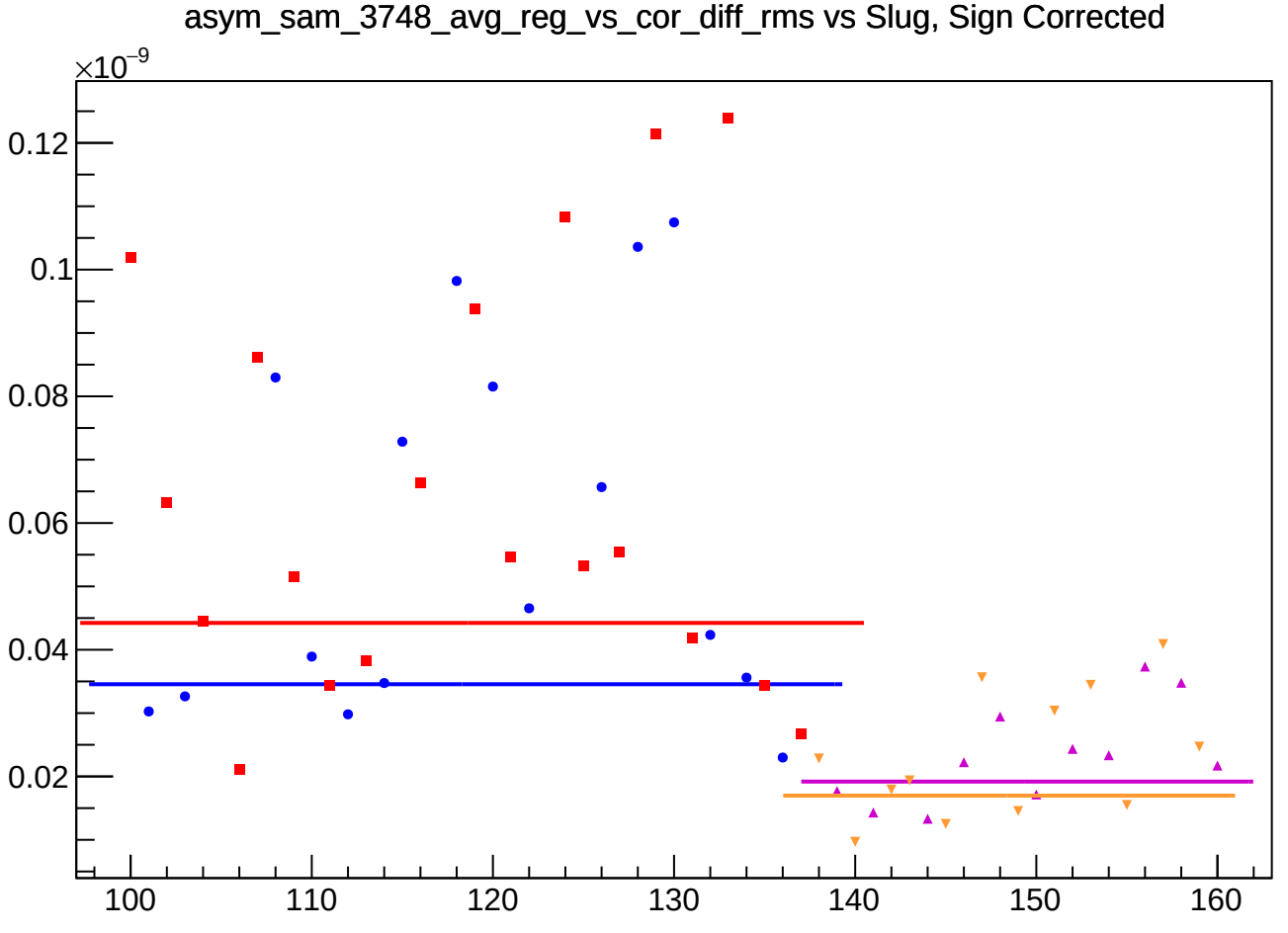
Left: 0.000+/-0.000 χ^2/NDF: 34.1/22

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:29.7/26

Out: -0.000+/-0.000 χ^2/NDF:33.6/30

All: 0.000+/-0.000 χ^2/NDF: 67.5/57



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:665836.7/10

Left: 0.000+/-0.000 χ^2/NDF: 2009349.8/22

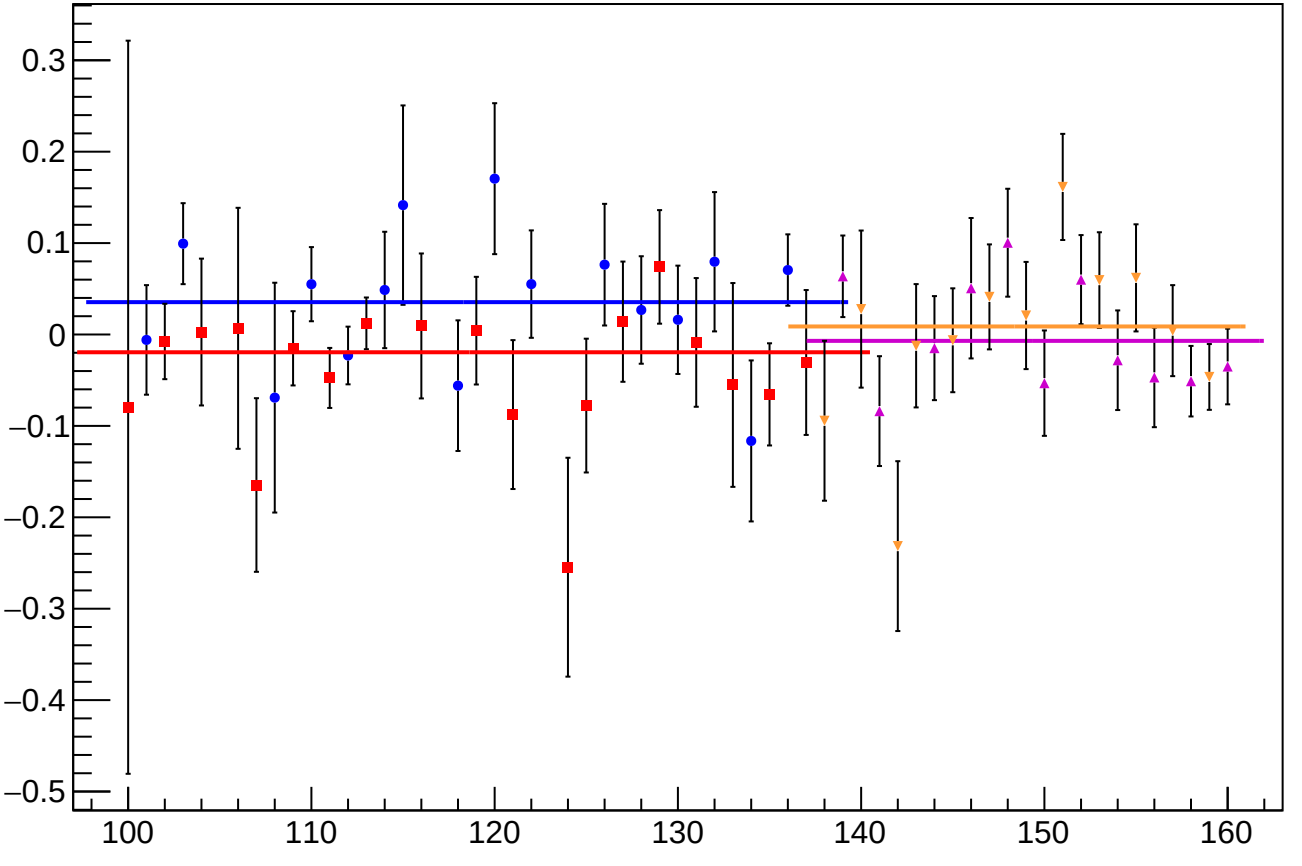
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2656769.1/26

Out: 0.000+/-0.000 χ^2/NDF:4188521.2/30

All: 0.000+/-0.000 χ^2/NDF: 6893086.2/57

asym_sam_3748_avg_dit_vs_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: -0.007+/-0.015 χ^2/NDF:13.0/10

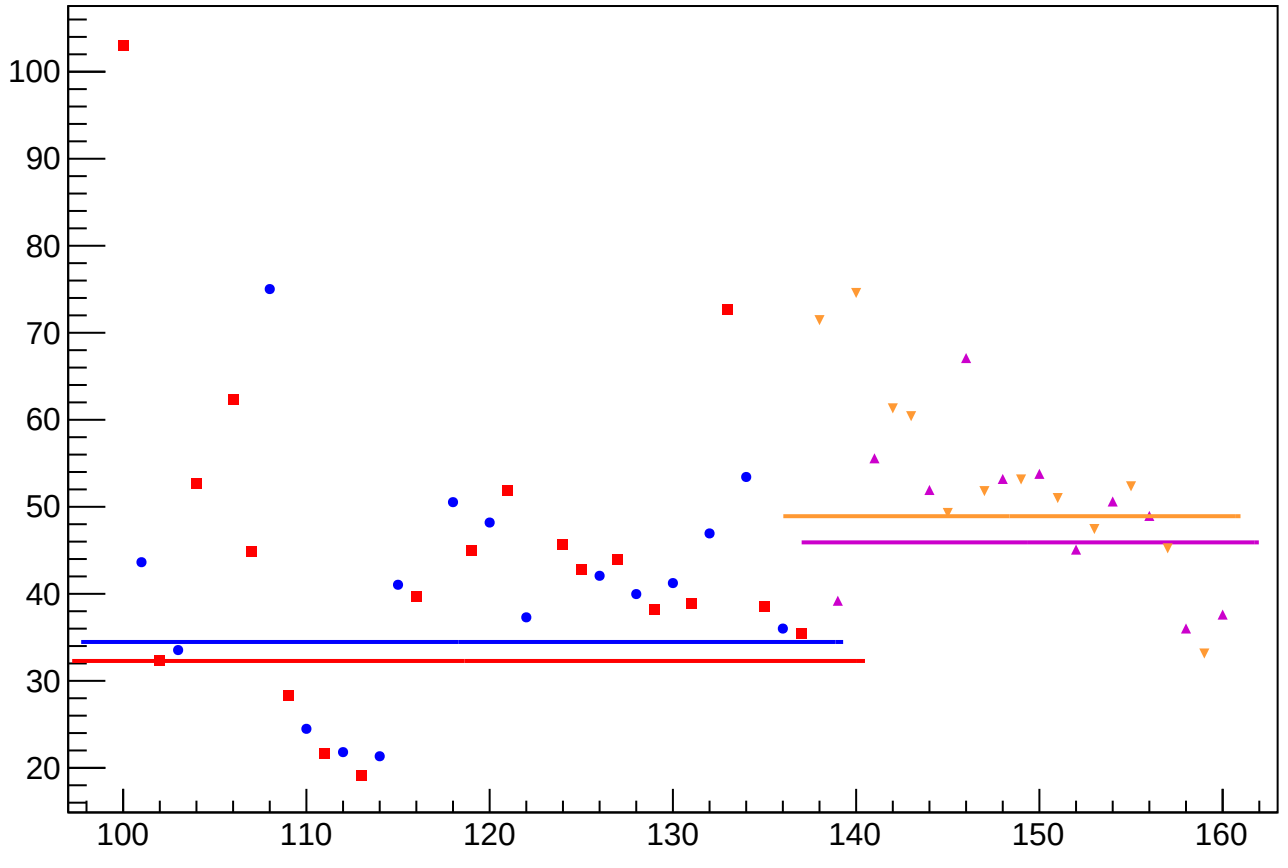
Left: 0.000+/-0.011 χ^2/NDF: 33.2/22

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.004+/-0.007 χ^2/NDF: 71.9/57



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: 45.913+/-0.011 χ^2/NDF:572649.1/10

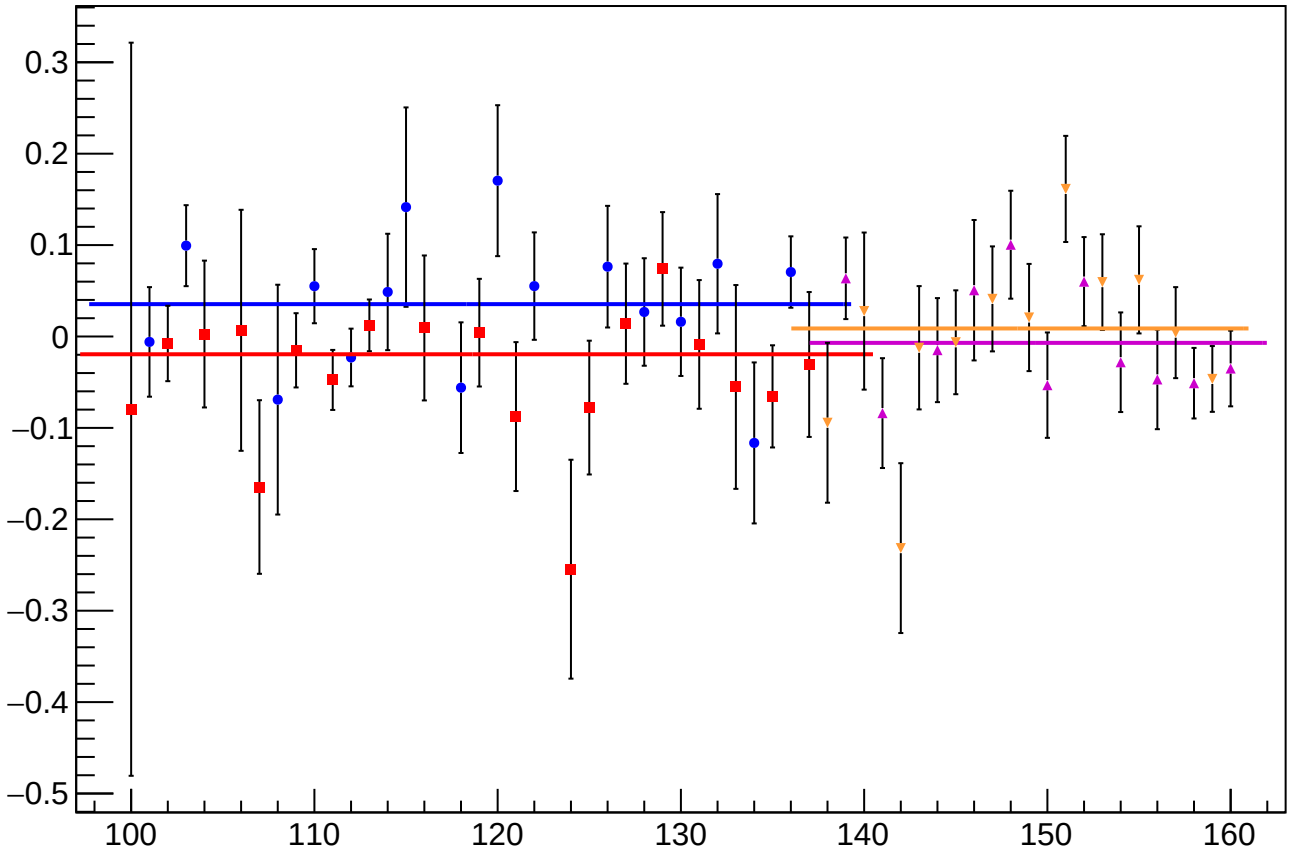
Left: 47.309+/-0.008 χ^2/NDF: 1434473.7/22

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.588+/-0.007 χ^2/NDF:2351161.5/26

Out: 38.688+/-0.007 χ^2/NDF:3736326.4/30

All: 39.136+/-0.005 χ^2/NDF: 6095107.8/57



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: -0.007+/-0.015 χ^2/NDF:13.0/10

Left: 0.000+/-0.011 χ^2/NDF: 33.2/22

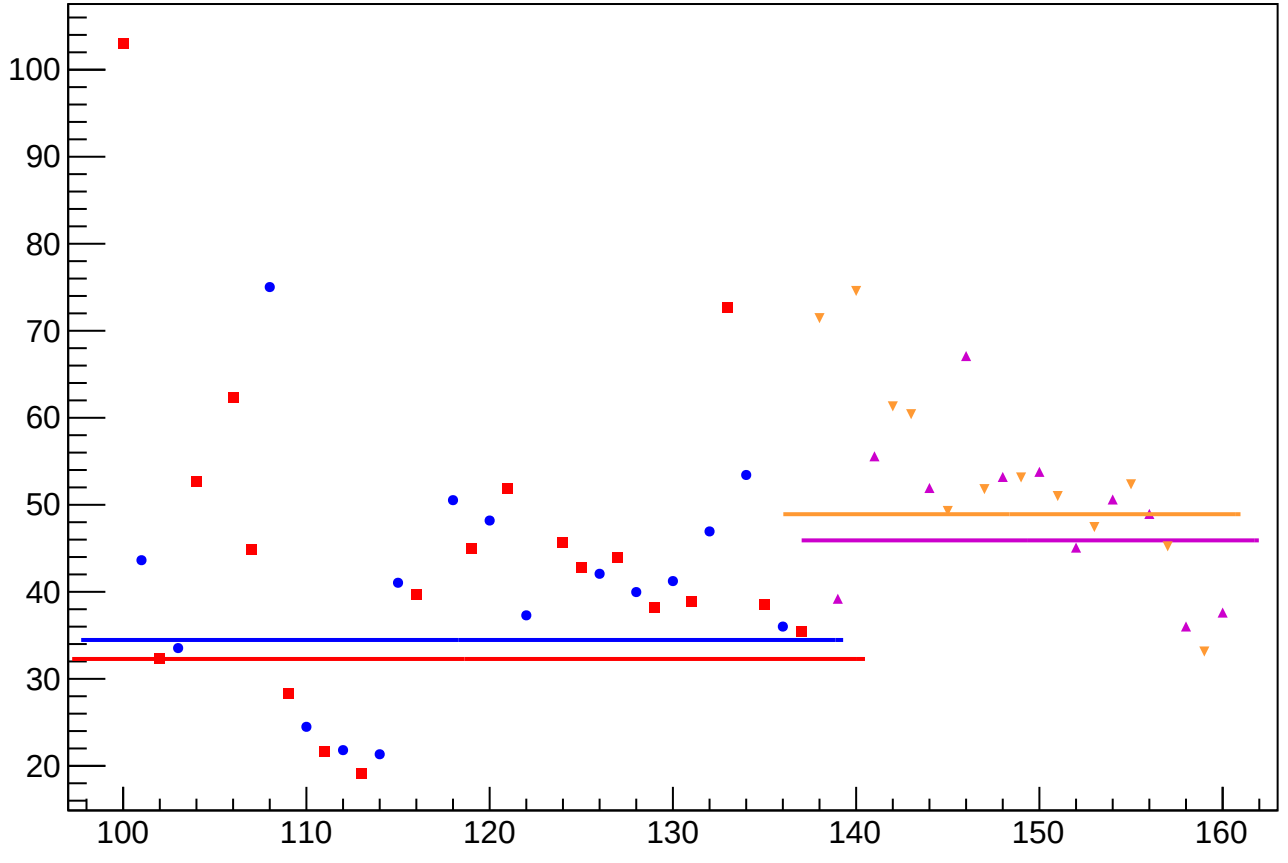
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.004+/-0.007 χ^2/NDF: 71.9/57

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 45.913+/-0.011 χ^2/NDF:572649.1/10

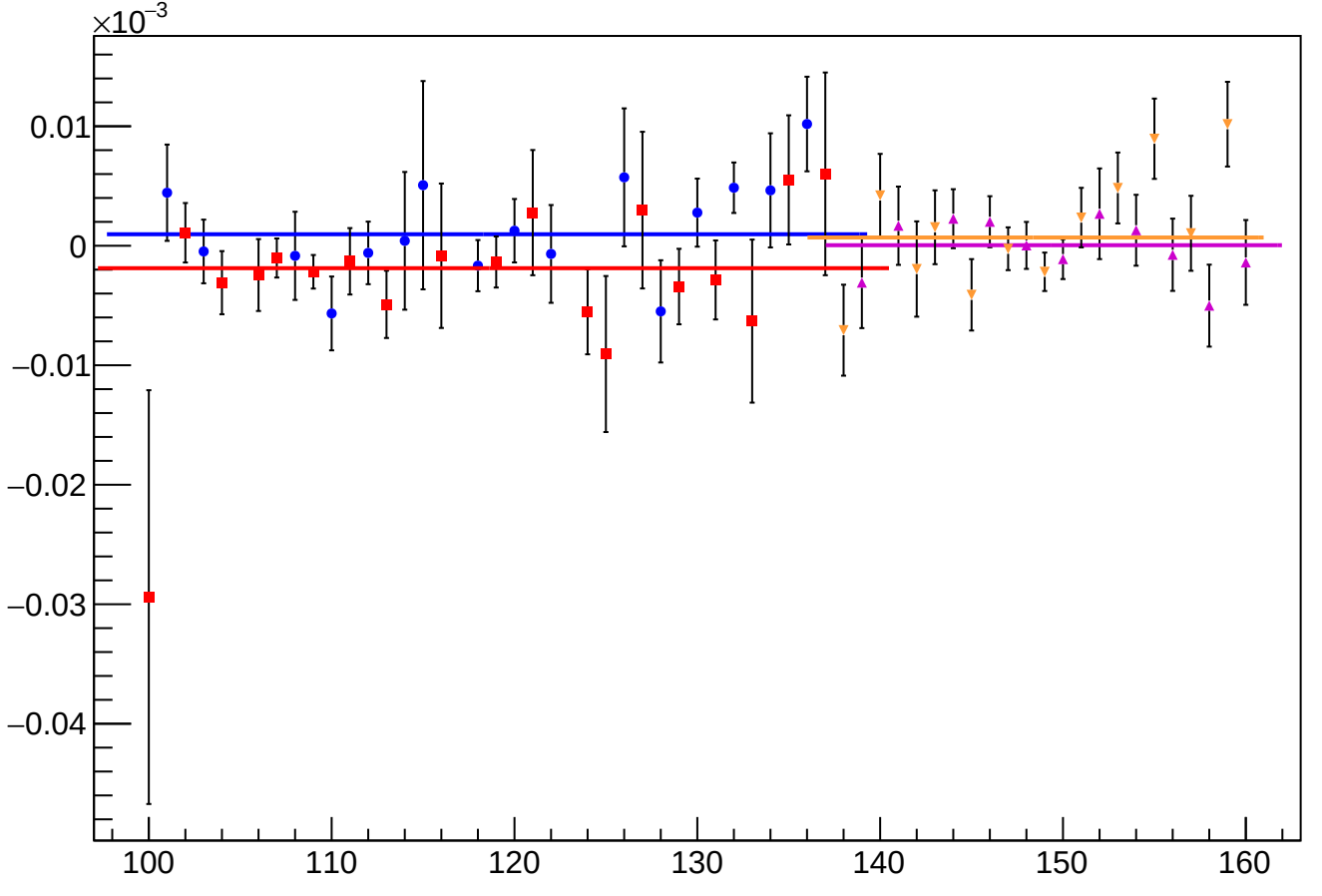
Left: 47.309+/-0.008 χ^2/NDF: 1434473.7/22

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.588+/-0.007 χ^2/NDF:2351161.5/26

Out: 38.688+/-0.007 χ^2/NDF:3736326.4/30

All: 39.136+/-0.005 χ^2/NDF: 6095107.8/57



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:6.1/10

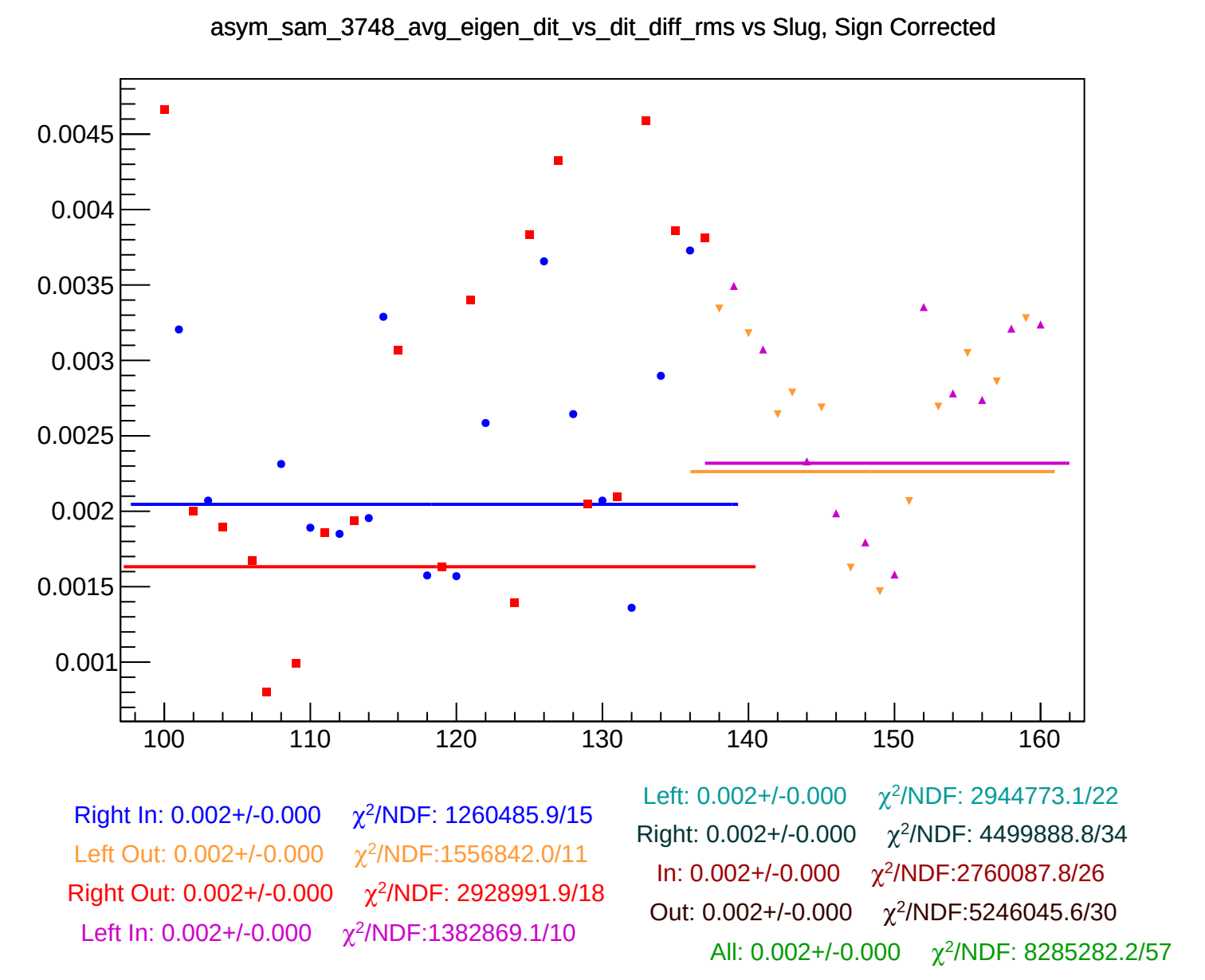
Left: 0.000+/-0.000 χ^2/NDF: 33.8/22

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

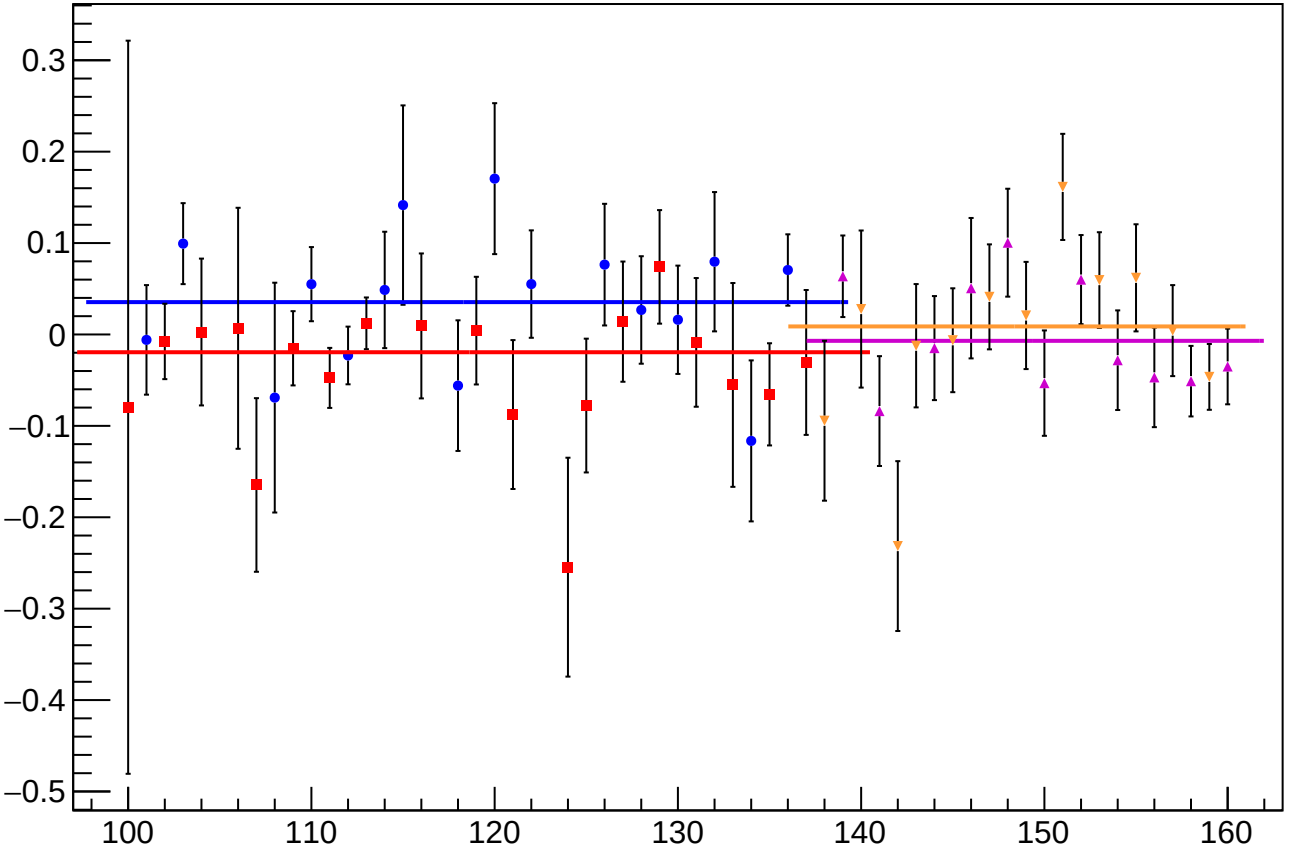
In: 0.000+/-0.000 χ^2/NDF:27.7/26

Out: -0.000+/-0.000 χ^2/NDF:46.5/30

All: -0.000+/-0.000 χ^2/NDF: 77.0/57


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:1382869.1/10
Left: 0.002+/-0.000 χ²/NDF: 2944773.1/22
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:2760087.8/26
Out: 0.002+/-0.000 χ²/NDF:5246045.6/30
All: 0.002+/-0.000 χ²/NDF: 8285282.2/57

asym_sam_3748_avg_eigen_dit_vs_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: -0.007+/-0.015 χ^2/NDF:13.0/10

Left: 0.000+/-0.011 χ^2/NDF: 33.2/22

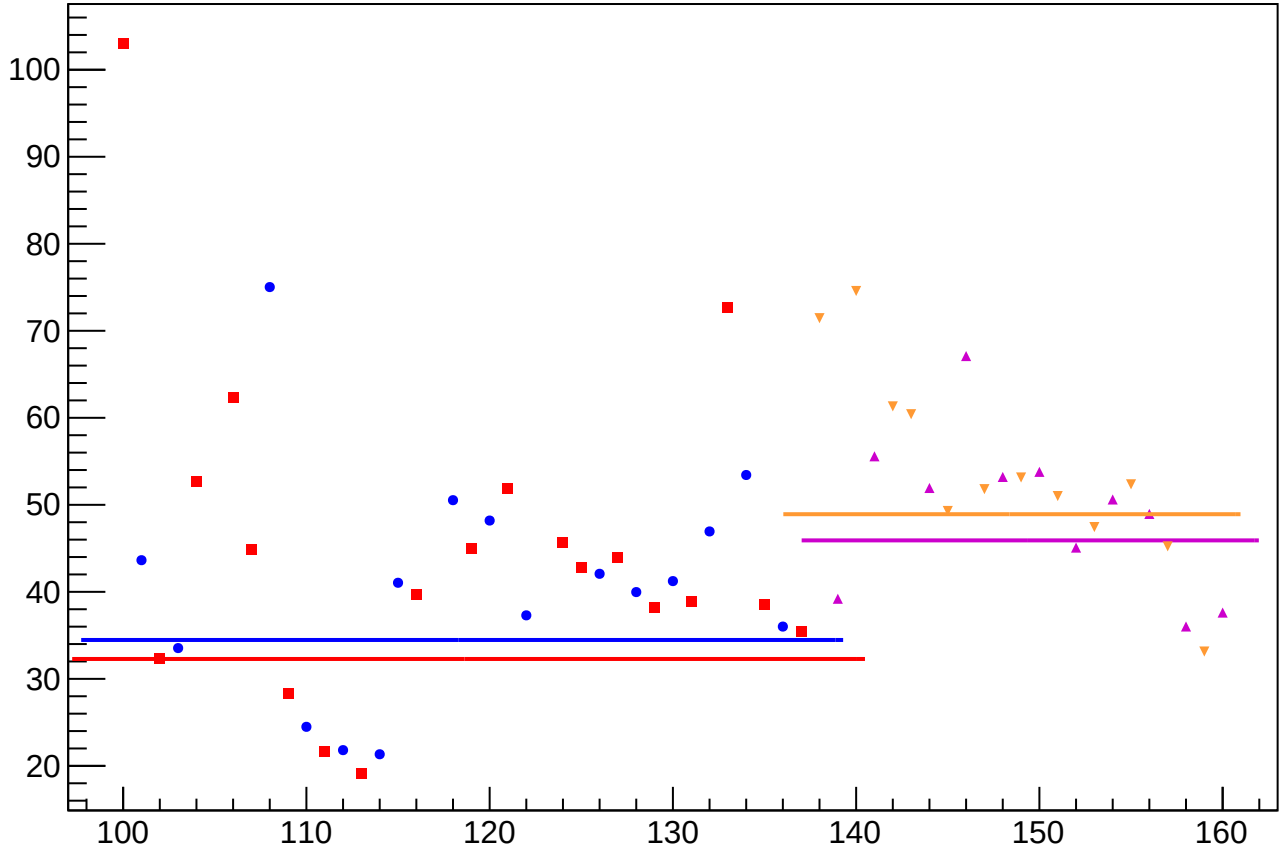
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.004+/-0.007 χ^2/NDF: 71.9/57

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: 45.913+/-0.011 χ^2/NDF:572680.7/10

Left: 47.310+/-0.008 χ^2/NDF: 1434515.7/22

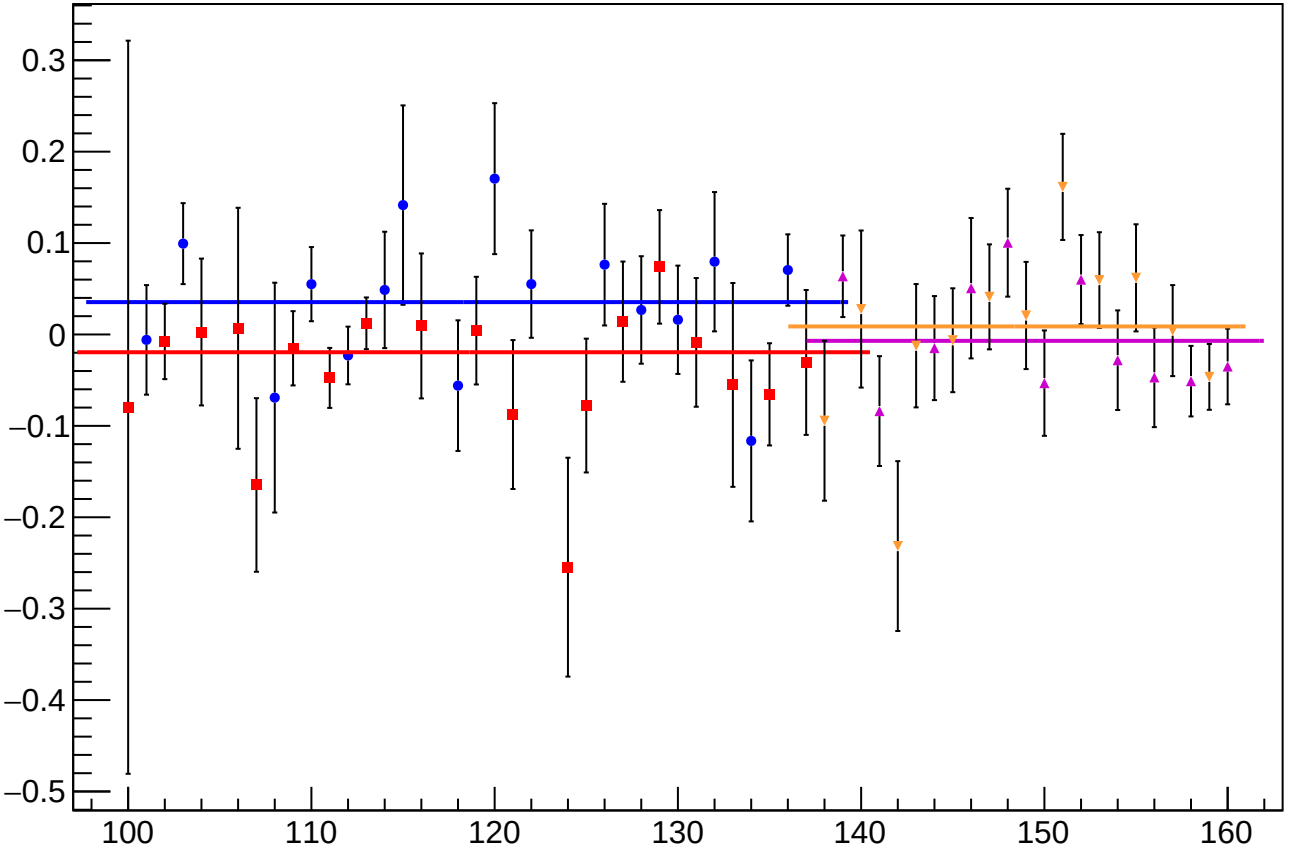
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.588+/-0.007 χ^2/NDF:2351153.4/26

Out: 38.688+/-0.007 χ^2/NDF:3736329.1/30

All: 39.137+/-0.005 χ^2/NDF: 6095100.9/57

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: -0.007+/-0.015 χ^2/NDF:13.0/10

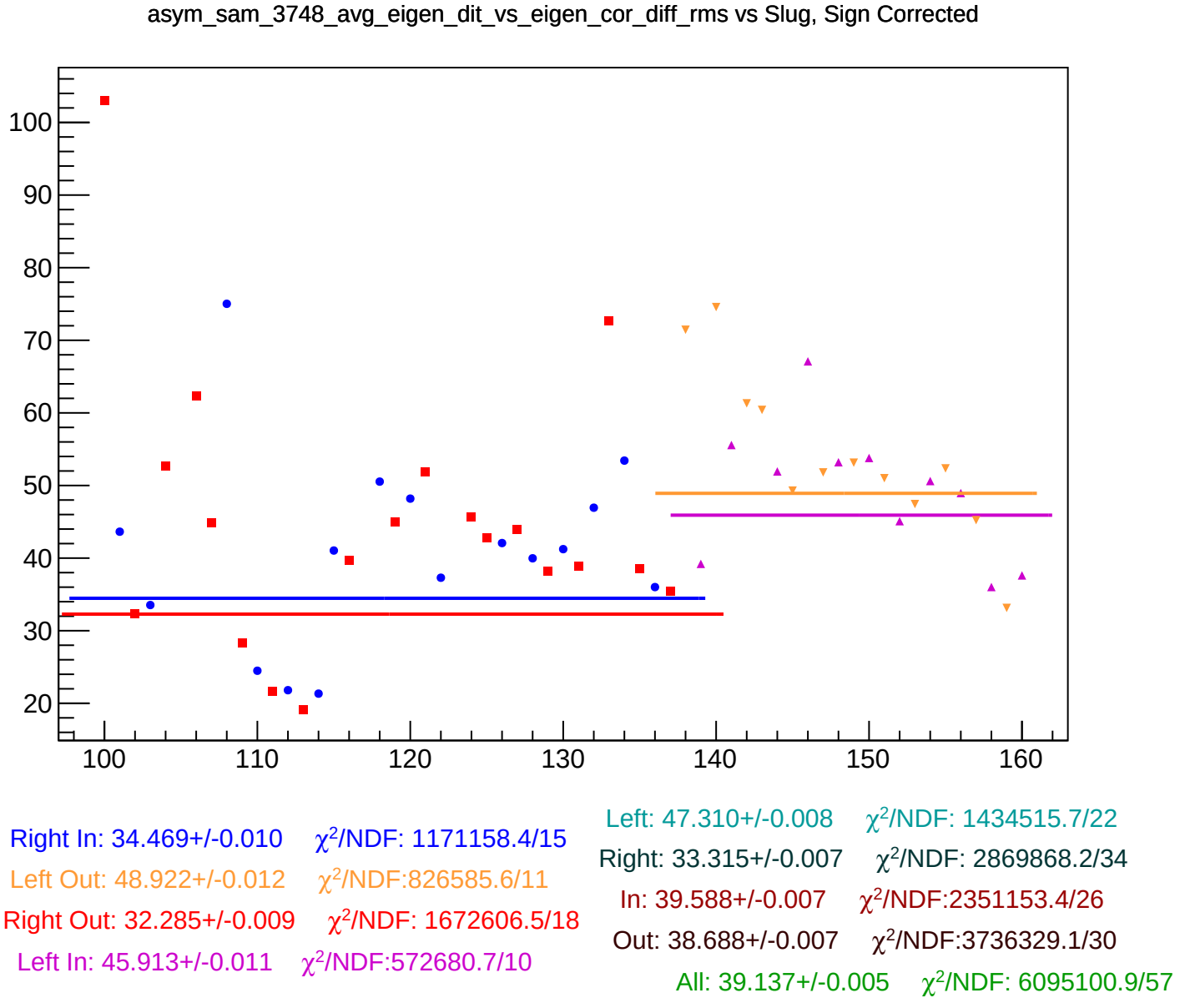
Left: 0.000+/-0.011 χ^2/NDF: 33.2/22

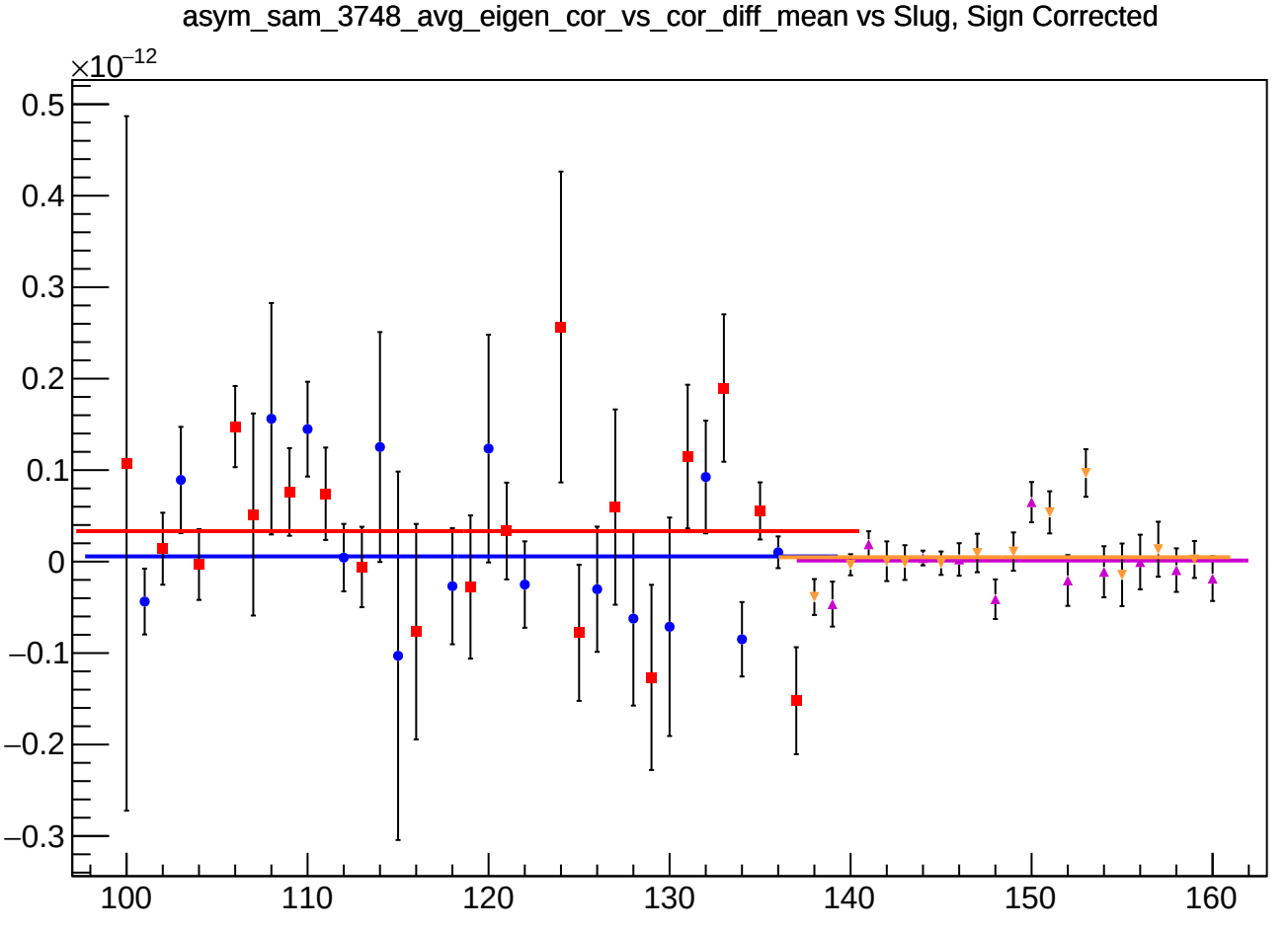
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.009+/-0.010 χ^2/NDF:34.9/30

All: 0.004+/-0.007 χ^2/NDF: 71.9/57


asym_sam_3748_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: 34.469+/-0.010 χ2/NDF: 1171158.4/15
Left Out: 48.922+/-0.012 χ2/NDF:826585.6/11
Right Out: 32.285+/-0.009 χ2/NDF: 1672606.5/18
Left In: 45.913+/-0.011 χ2/NDF:572680.7/10
Left: 47.310+/-0.008 χ2/NDF: 1434515.7/22
Right: 33.315+/-0.007 χ2/NDF: 2869868.2/34
In: 39.588+/-0.007 χ2/NDF:2351153.4/26
Out: 38.688+/-0.007 χ2/NDF:3736329.1/30
All: 39.137+/-0.005 χ2/NDF: 6095100.9/57



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:19.3/10

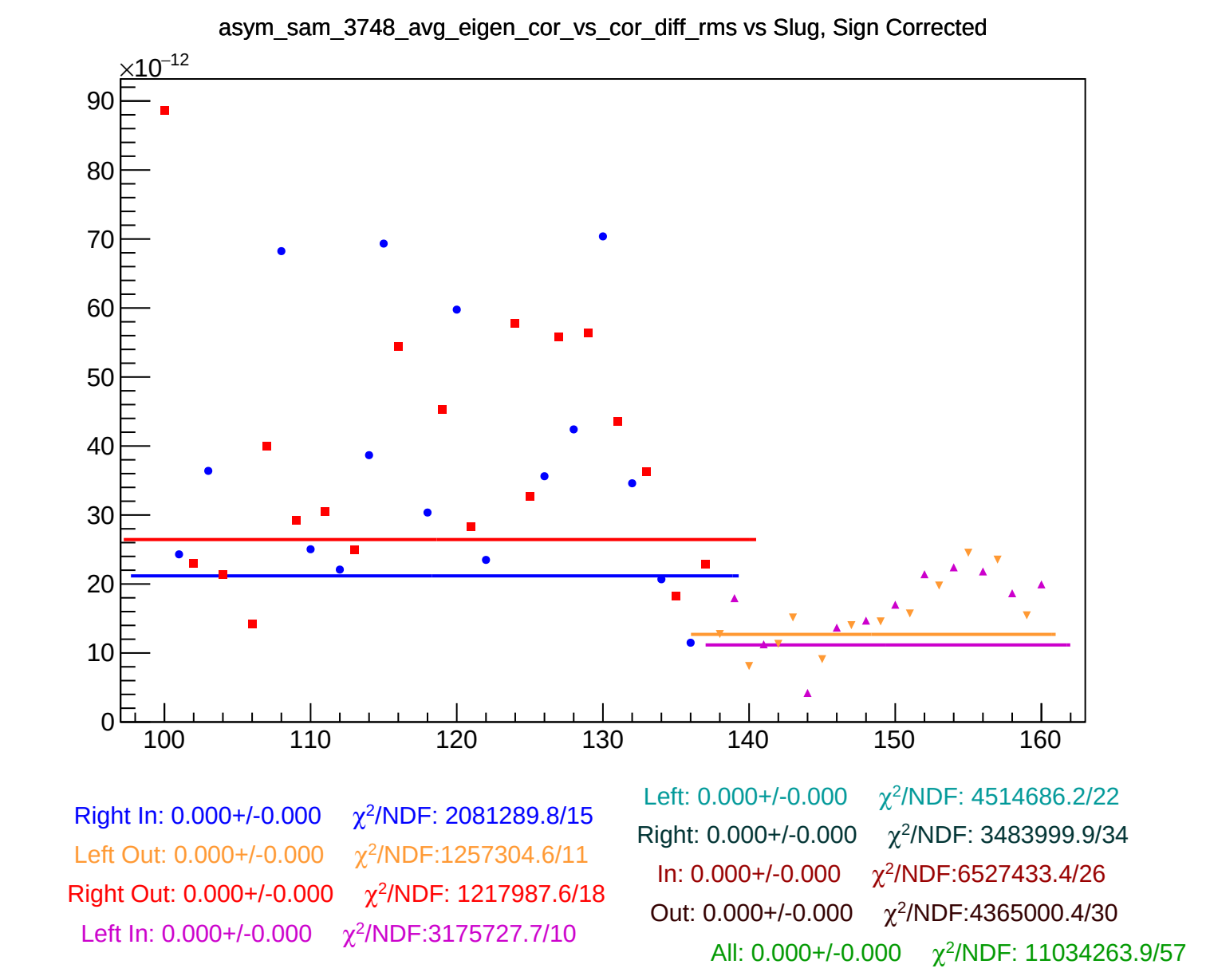
Left: 0.000+/-0.000 χ^2/NDF: 43.0/22

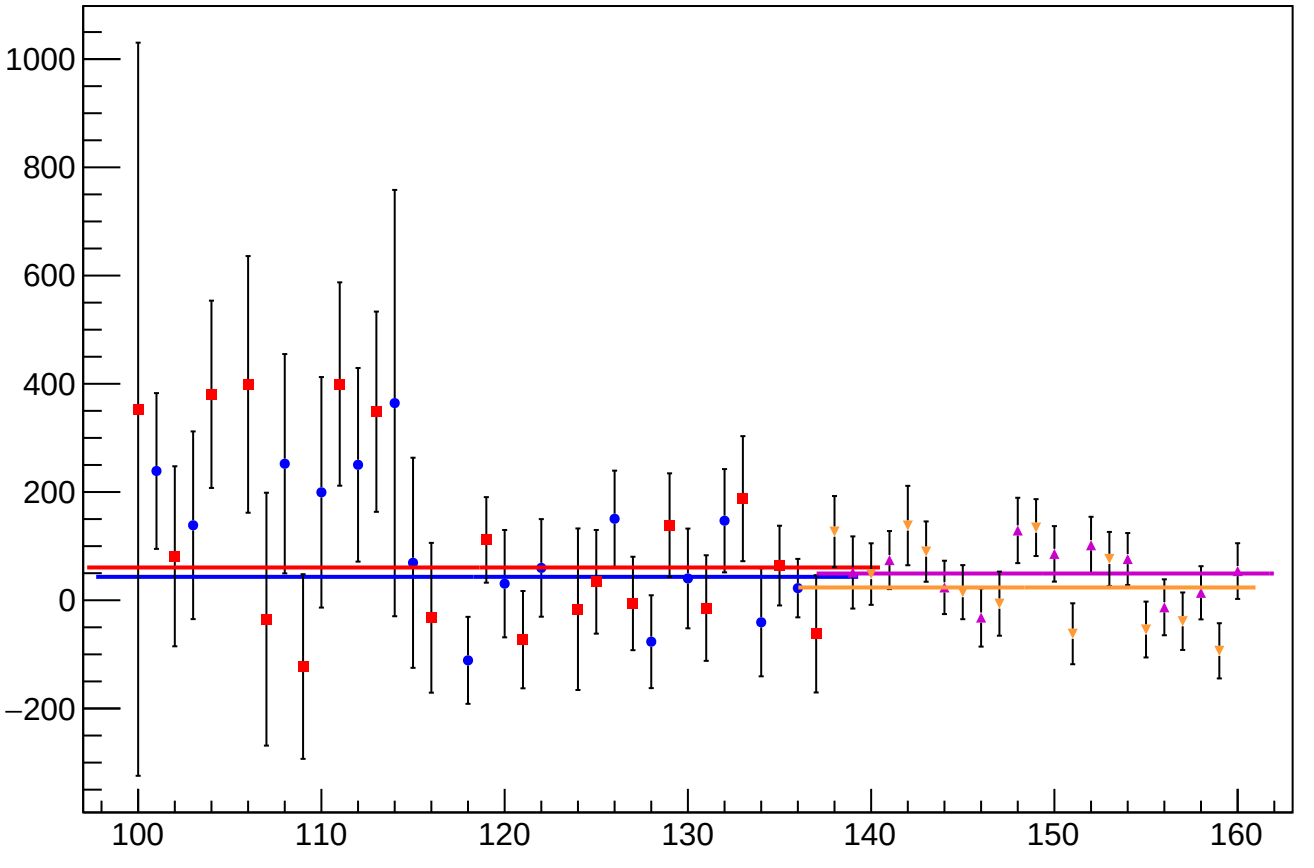
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:43.0/26

Out: 0.000+/-0.000 χ^2/NDF:61.0/30

All: 0.000+/-0.000 χ^2/NDF: 105.1/57


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:3175727.7/10
Left: 0.000+/-0.000 χ²/NDF: 4514686.2/22
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6527433.4/26
Out: 0.000+/-0.000 χ²/NDF:4365000.4/30
All: 0.000+/-0.000 χ²/NDF: 11034263.9/57



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: 49.423+/-15.919 χ^2/NDF:8.3/10

Left: 36.554+/-11.270 χ^2/NDF: 33.2/22

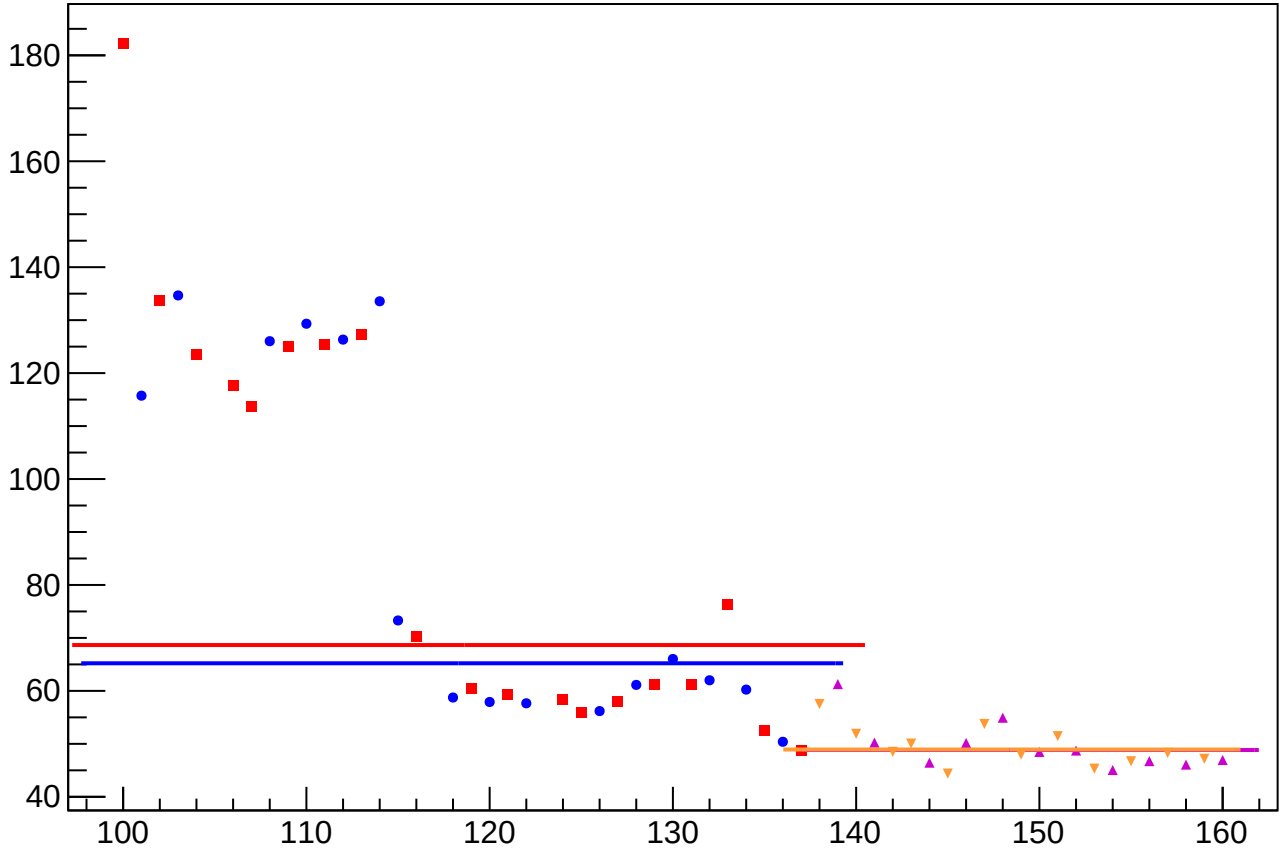
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 47.718+/-13.545 χ^2/NDF:23.3/26

Out: 33.246+/-13.723 χ^2/NDF:45.4/30

All: 40.577+/-9.640 χ^2/NDF: 69.2/57

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 48.835+/-0.011 χ^2/NDF:122037.2/10

Left: 48.883+/-0.008 χ^2/NDF: 213927.5/22

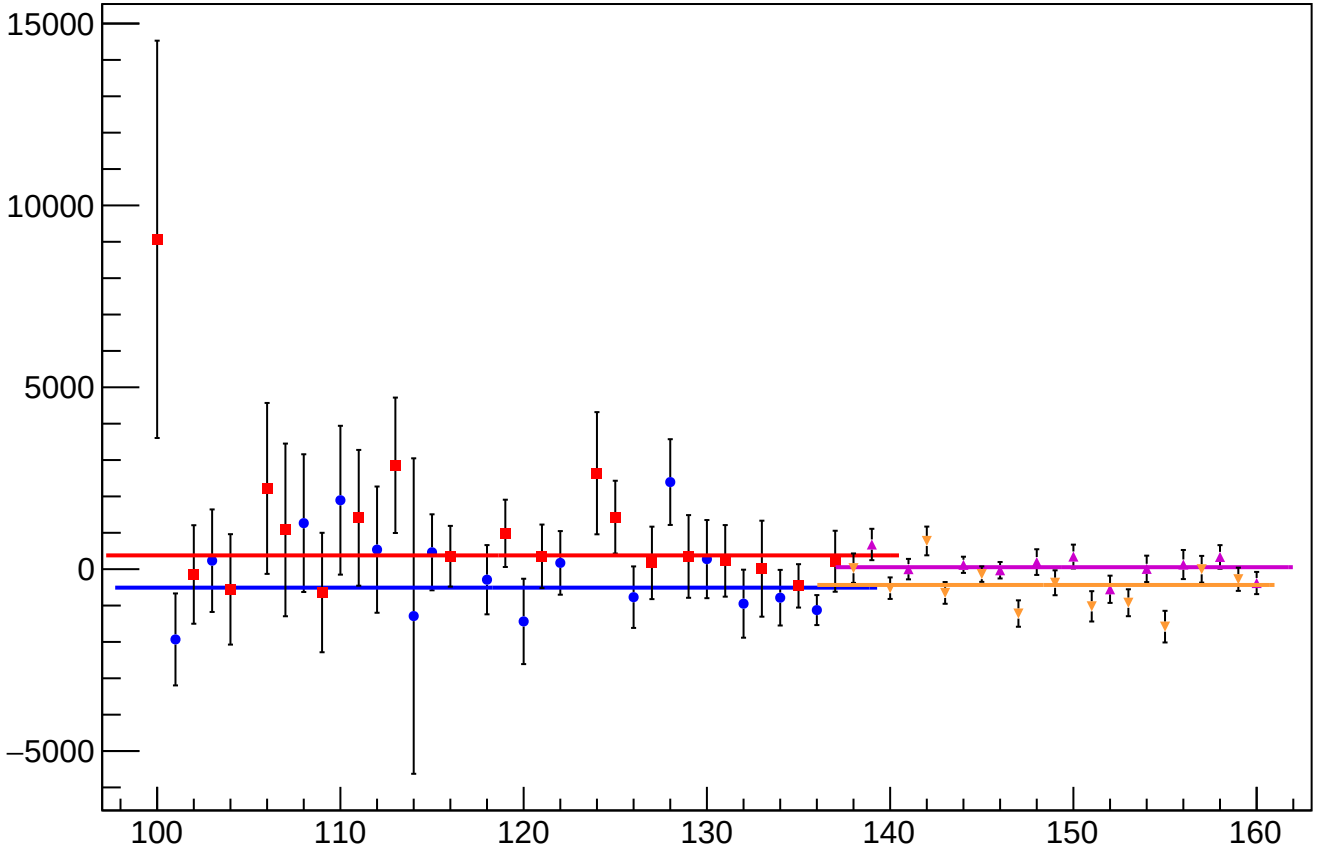
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 53.356+/-0.010 χ^2/NDF:2152853.2/26

Out: 54.067+/-0.010 χ^2/NDF:2528508.4/30

All: 53.707+/-0.007 χ^2/NDF: 4684081.1/57

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: 54.459+/-92.740 χ^2/NDF:8.8/10

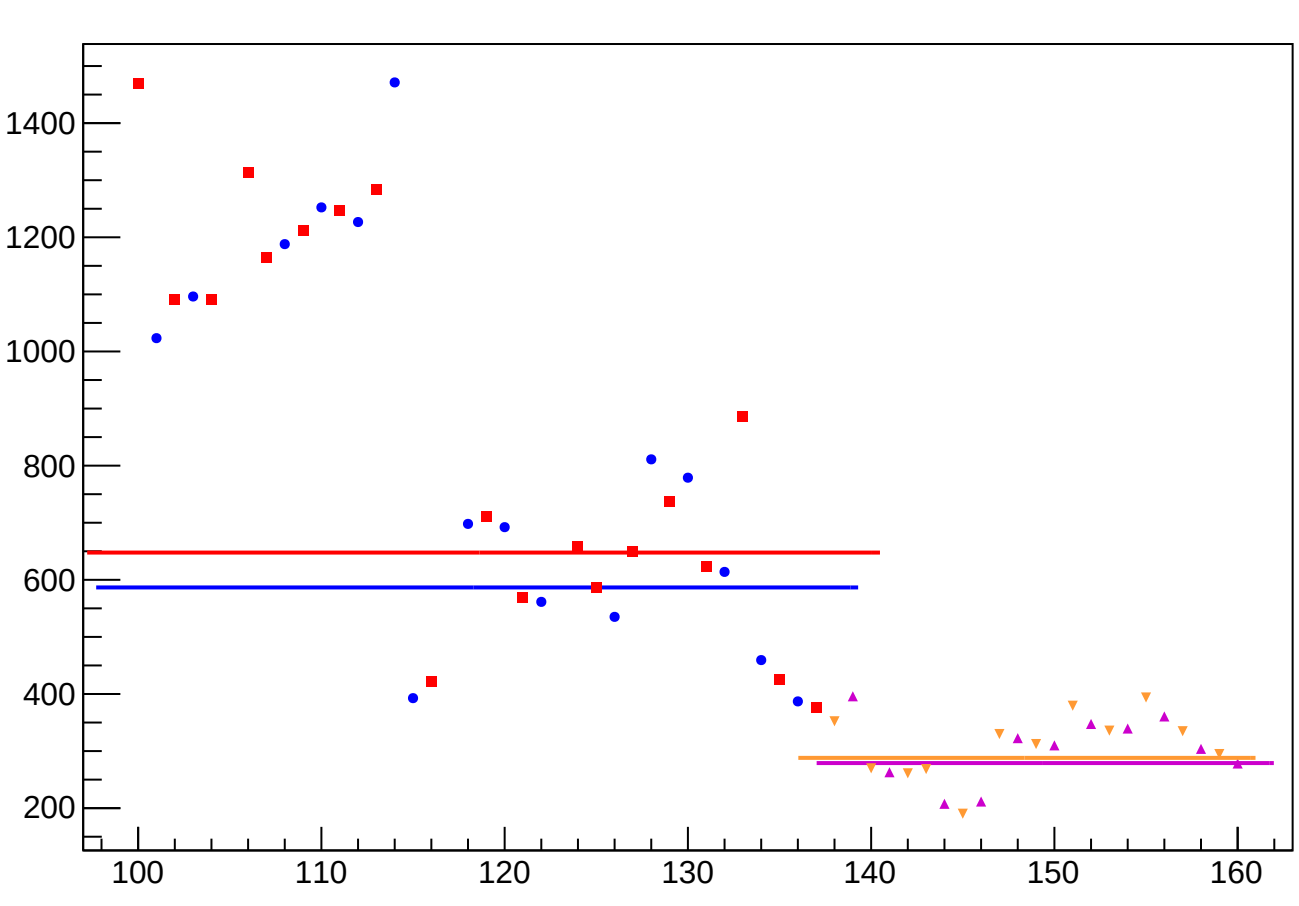
Left: -181.852+/-66.643 χ^2/NDF: 52.5/22

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -20.251+/-86.361 χ^2/NDF:29.3/26

Out: -334.517+/-89.765 χ^2/NDF:50.8/30

All: -171.312+/-62.235 χ^2/NDF: 86.5/57



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: 279.000+/-0.066 χ^2/NDF:802376.1/10

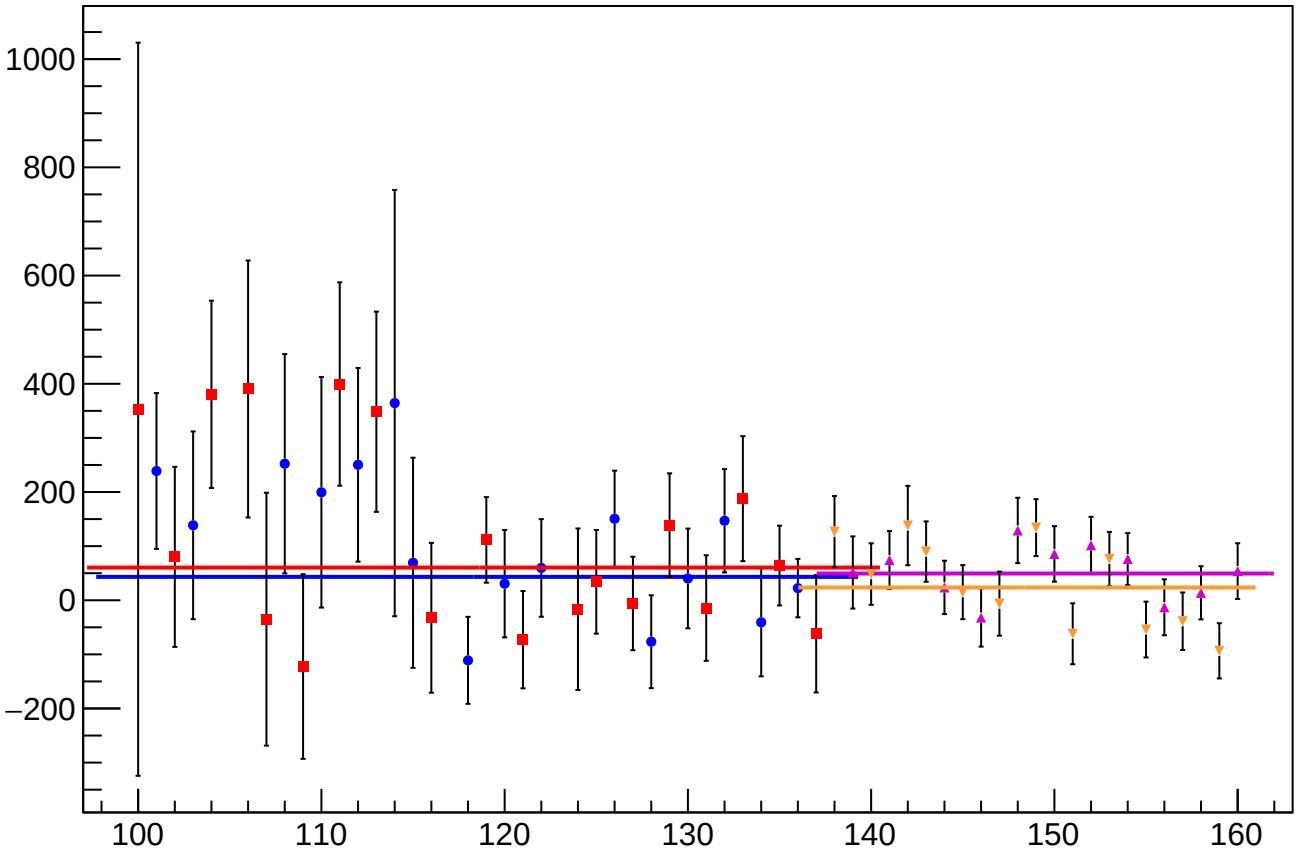
Left: 283.412+/-0.047 χ^2/NDF: 1626930.6/22

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 319.869+/-0.061 χ^2/NDF:5779210.1/26

Out: 332.196+/-0.063 χ^2/NDF:6372762.0/30

All: 325.794+/-0.044 χ^2/NDF: 12171559.7/57



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: 49.423+/-15.919 χ^2/NDF:8.3/10

Left: 36.555+/-11.270 χ^2/NDF: 33.2/22

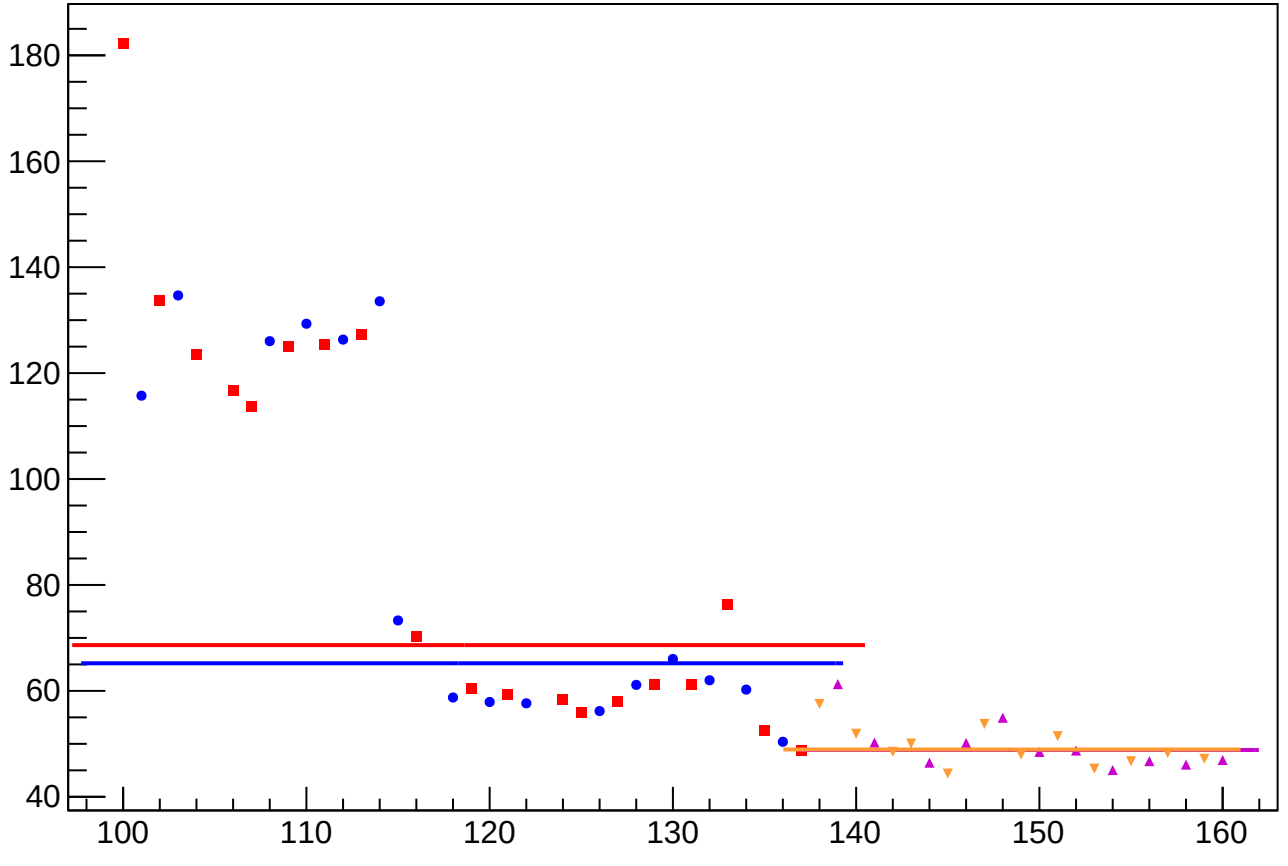
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.716+/-13.545 χ^2/NDF:23.3/26

Out: 33.208+/-13.724 χ^2/NDF:45.2/30

All: 40.557+/-9.640 χ^2/NDF: 69.1/57

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: 48.835+/-0.011 χ^2/NDF:122037.2/10

Left: 48.883+/-0.008 χ^2/NDF: 213927.5/22

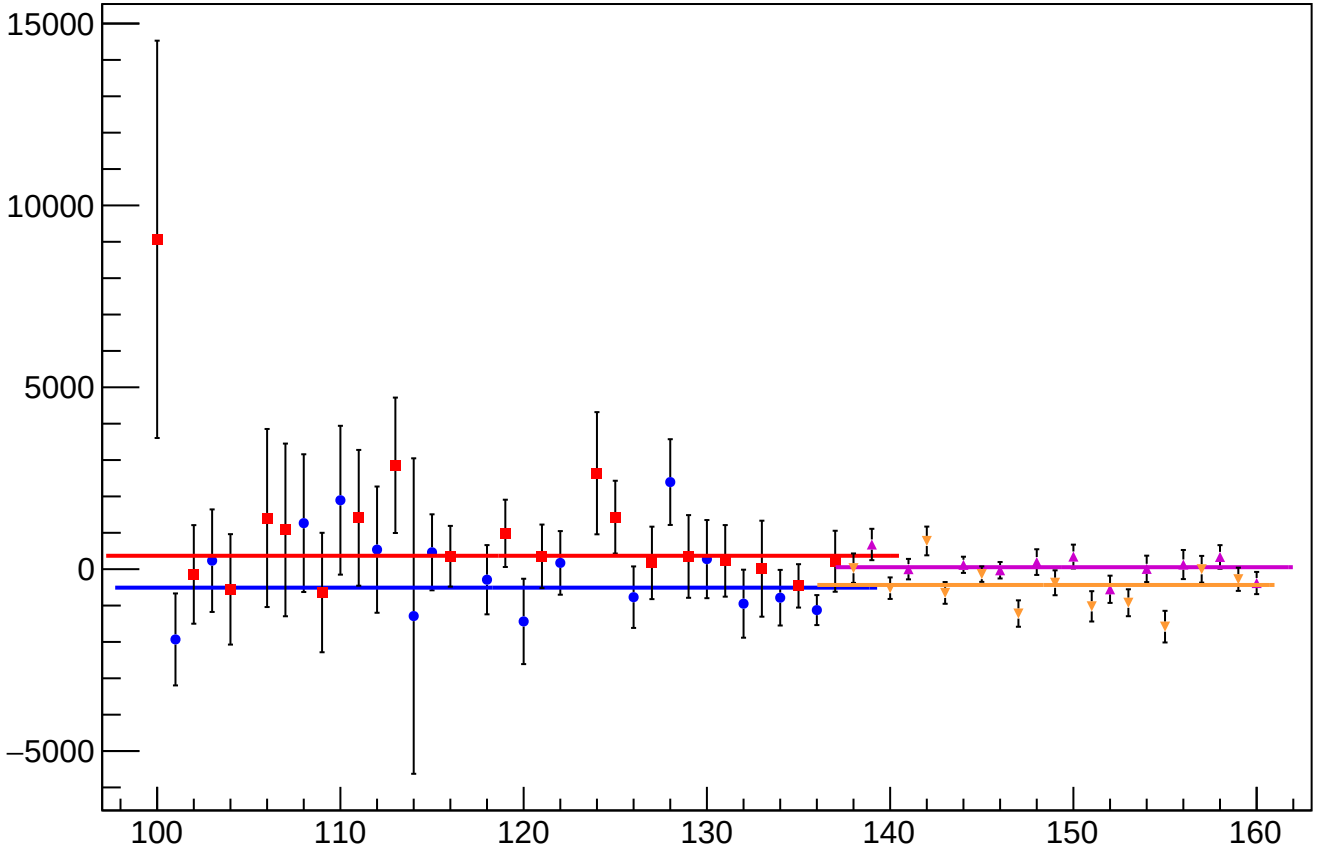
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.356+/-0.010 χ^2/NDF:2152855.3/26

Out: 54.063+/-0.010 χ^2/NDF:2523969.3/30

All: 53.705+/-0.007 χ^2/NDF: 4679513.8/57

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -434.161+/-95.829 χ^2/NDF:30.3/11

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 54.460+/-92.740 χ^2/NDF:8.8/10

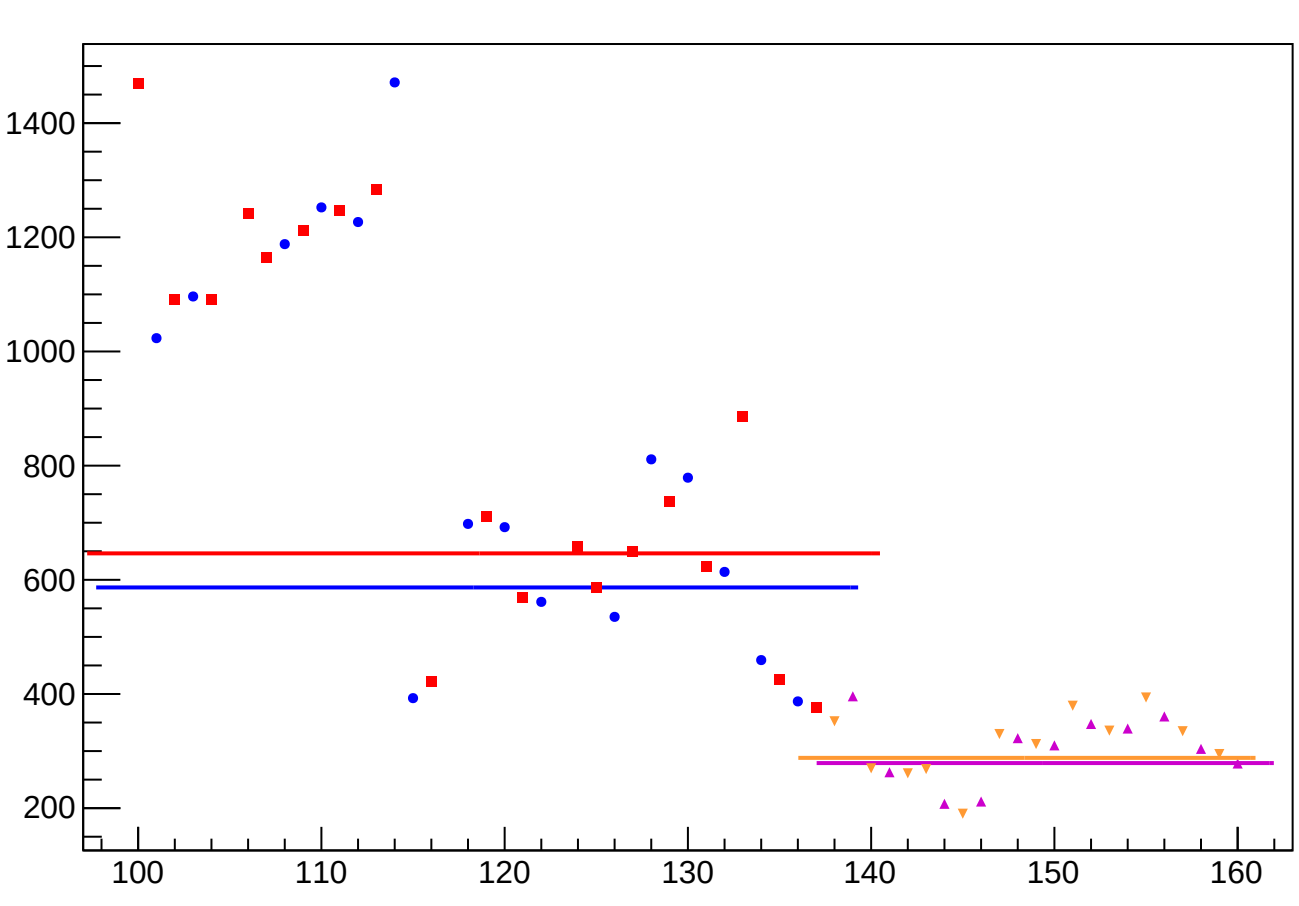
Left: -181.849+/-66.643 χ^2/NDF: 52.5/22

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -20.248+/-86.361 χ^2/NDF:29.3/26

Out: -335.892+/-89.770 χ^2/NDF:50.2/30

All: -171.963+/-62.237 χ^2/NDF: 85.9/57



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: 279.000+/-0.066 χ^2/NDF:802371.4/10

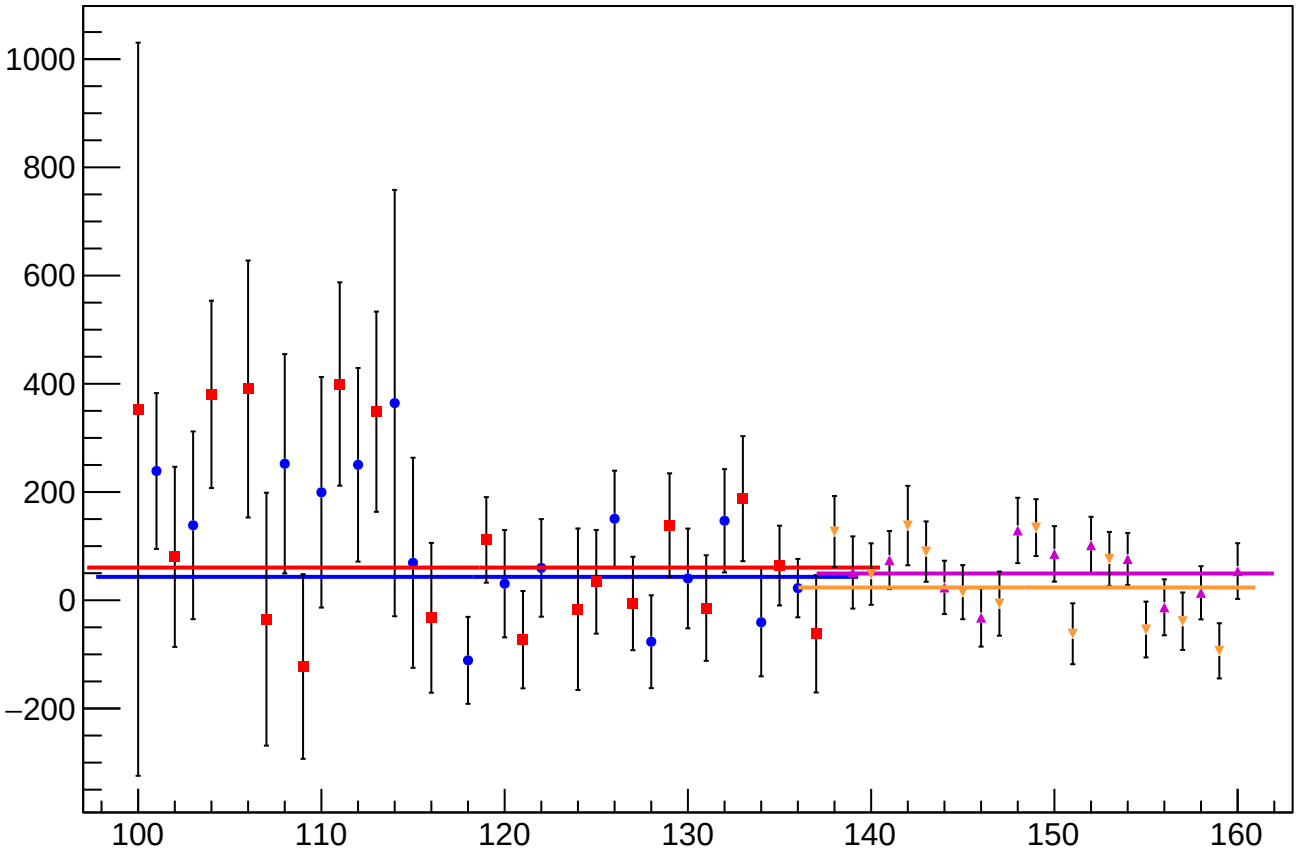
Left: 283.411+/-0.047 χ^2/NDF: 1626929.7/22

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 319.869+/-0.061 χ^2/NDF:5779226.2/26

Out: 331.985+/-0.063 χ^2/NDF:6300364.2/30

All: 325.693+/-0.044 χ^2/NDF: 12098512.6/57



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: 49.423+/-15.919 χ^2/NDF:8.3/10

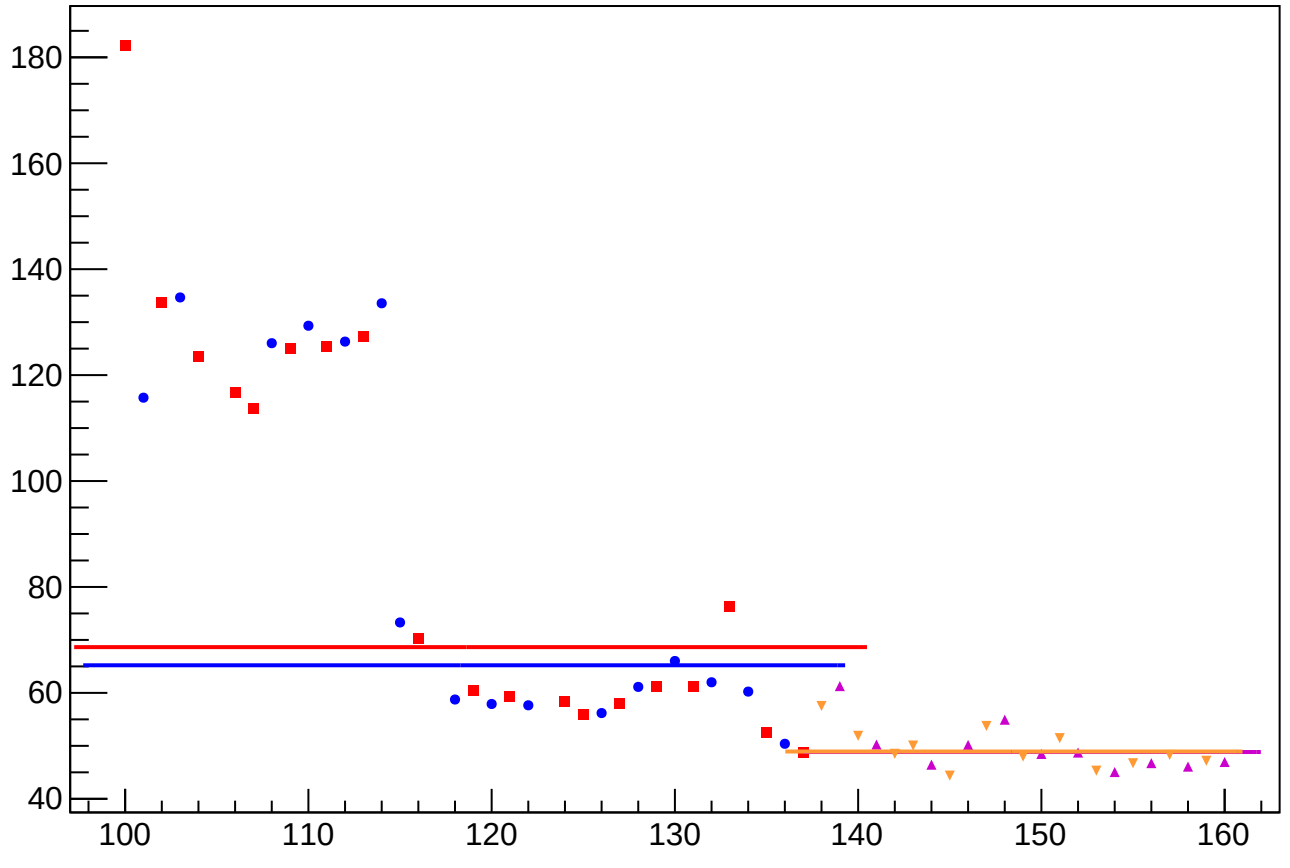
Left: 36.555+/-11.270 χ^2/NDF: 33.2/22

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.716+/-13.545 χ^2/NDF:23.3/26

Out: 33.208+/-13.724 χ^2/NDF:45.2/30

All: 40.557+/-9.640 χ^2/NDF: 69.1/57



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: 48.835+/-0.011 χ^2/NDF:122037.2/10

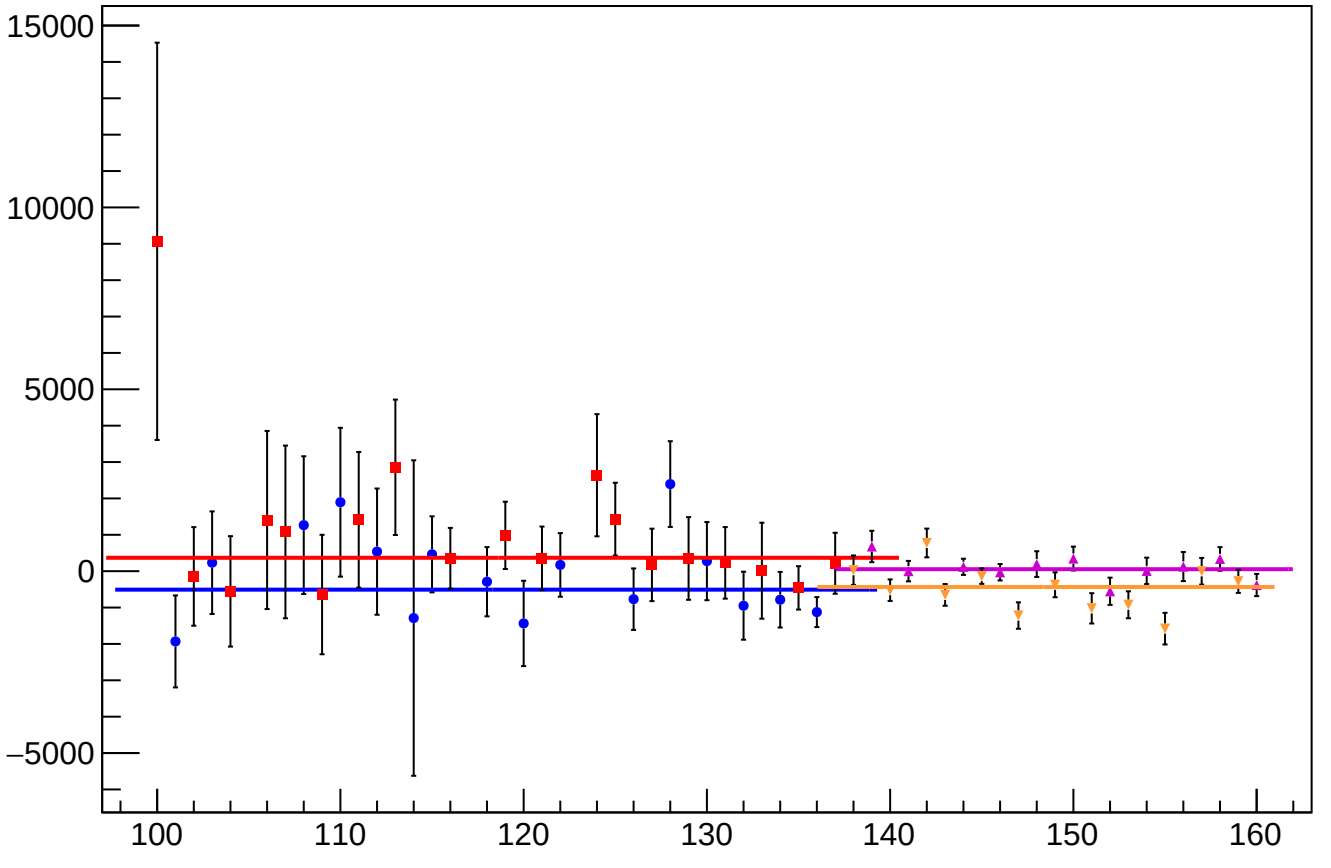
Left: 48.883+/-0.008 χ^2/NDF: 213927.5/22

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.356+/-0.010 χ^2/NDF:2152855.3/26

Out: 54.063+/-0.010 χ^2/NDF:2523969.3/30

All: 53.705+/-0.007 χ^2/NDF: 4679513.8/57



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: 54.460+/-92.740 χ^2/NDF:8.8/10

Left: -181.849+/-66.643 χ^2/NDF: 52.5/22

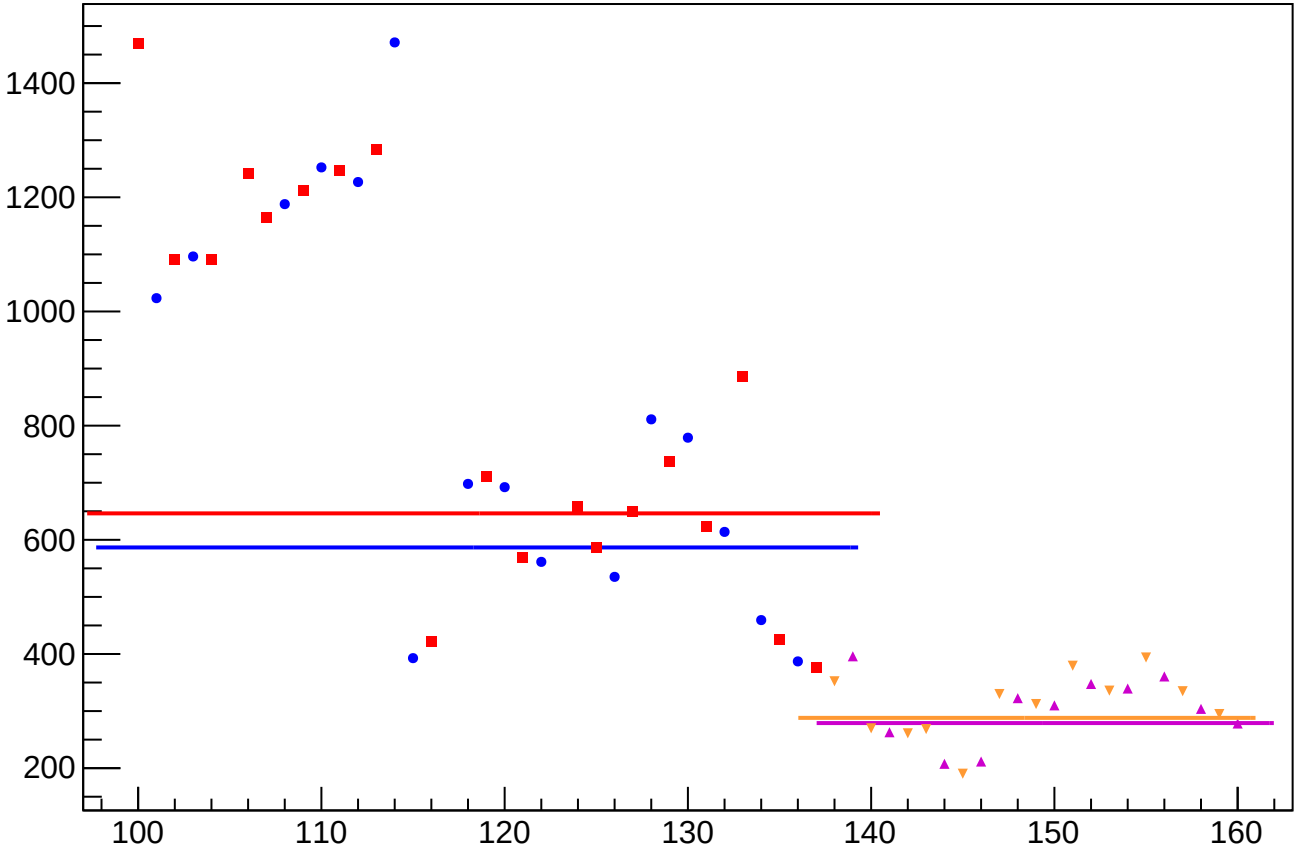
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -20.248+/-86.361 χ^2/NDF:29.3/26

Out: -335.892+/-89.770 χ^2/NDF:50.2/30

All: -171.963+/-62.237 χ^2/NDF: 85.9/57

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: 279.000+/-0.066 χ^2/NDF:802371.4/10

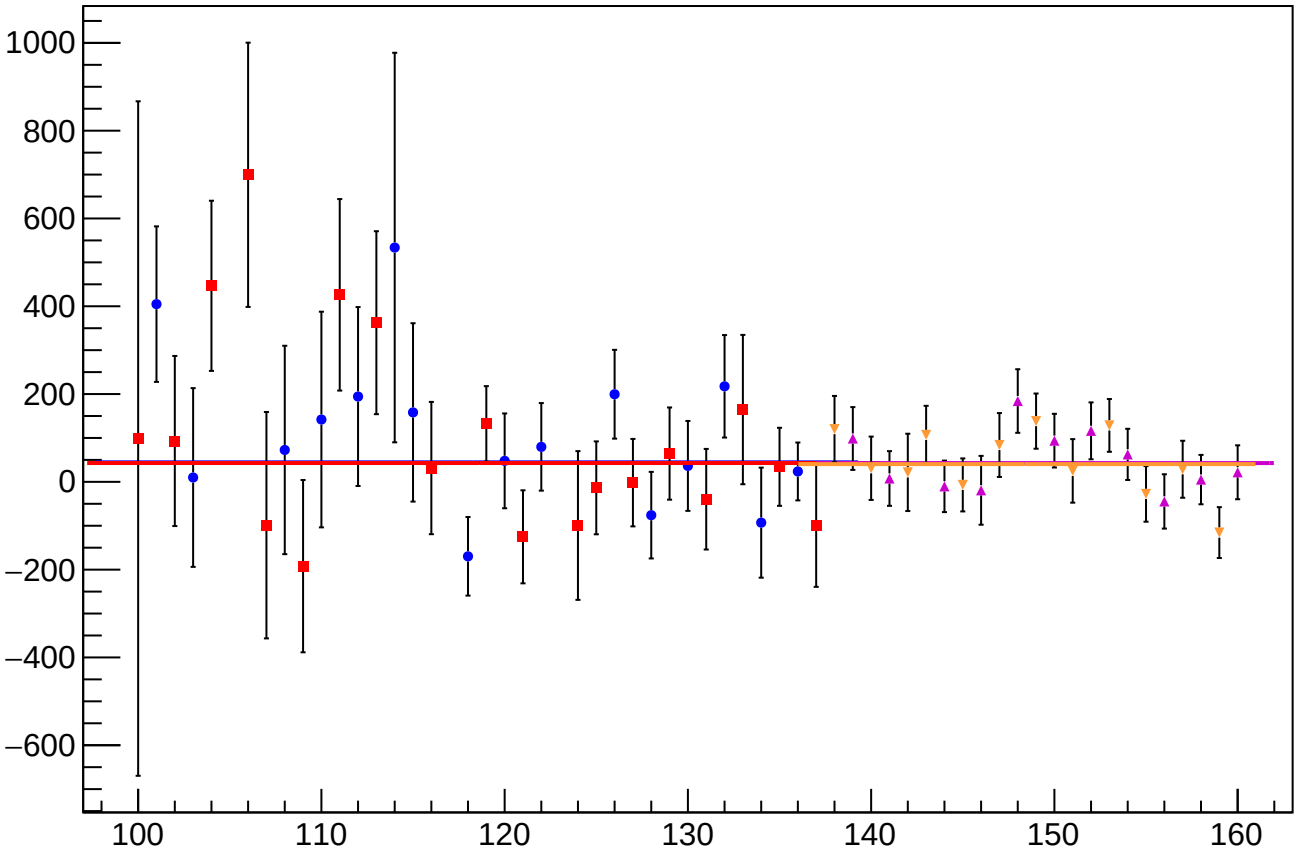
Left: 283.411+/-0.047 χ^2/NDF: 1626929.7/22

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 319.869+/-0.061 χ^2/NDF:5779226.2/26

Out: 331.985+/-0.063 χ^2/NDF:6300364.2/30

All: 325.693+/-0.044 χ^2/NDF: 12098512.6/57



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: 42.783+/-19.107 χ^2/NDF:10.8/10

Left: 41.608+/-13.569 χ^2/NDF: 27.1/22

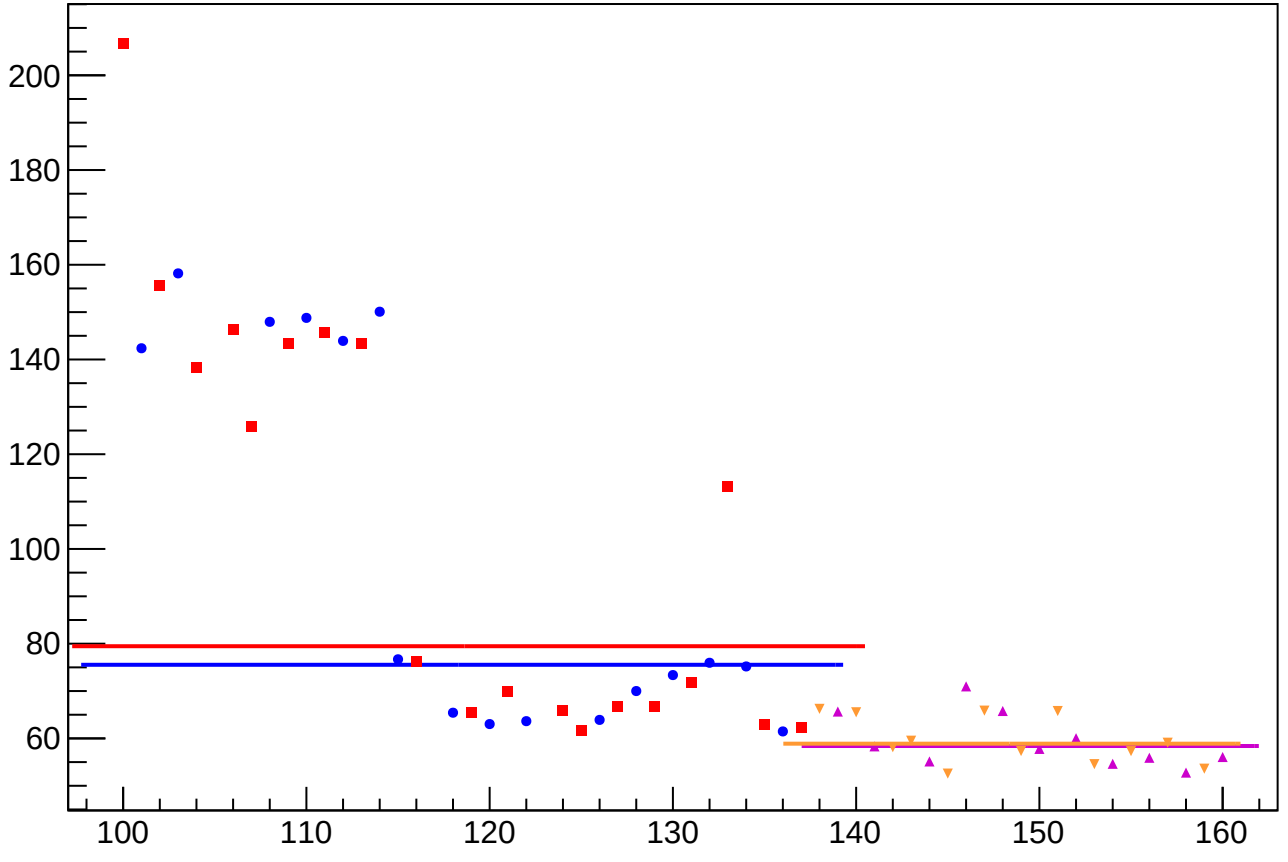
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 43.248+/-16.102 χ^2/NDF:30.4/26

Out: 41.099+/-16.404 χ^2/NDF:39.5/30

All: 42.193+/-11.491 χ^2/NDF: 70.0/57

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 58.397+/-0.014 χ^2/NDF:135056.8/10

Left: 58.641+/-0.010 χ^2/NDF: 259686.2/22

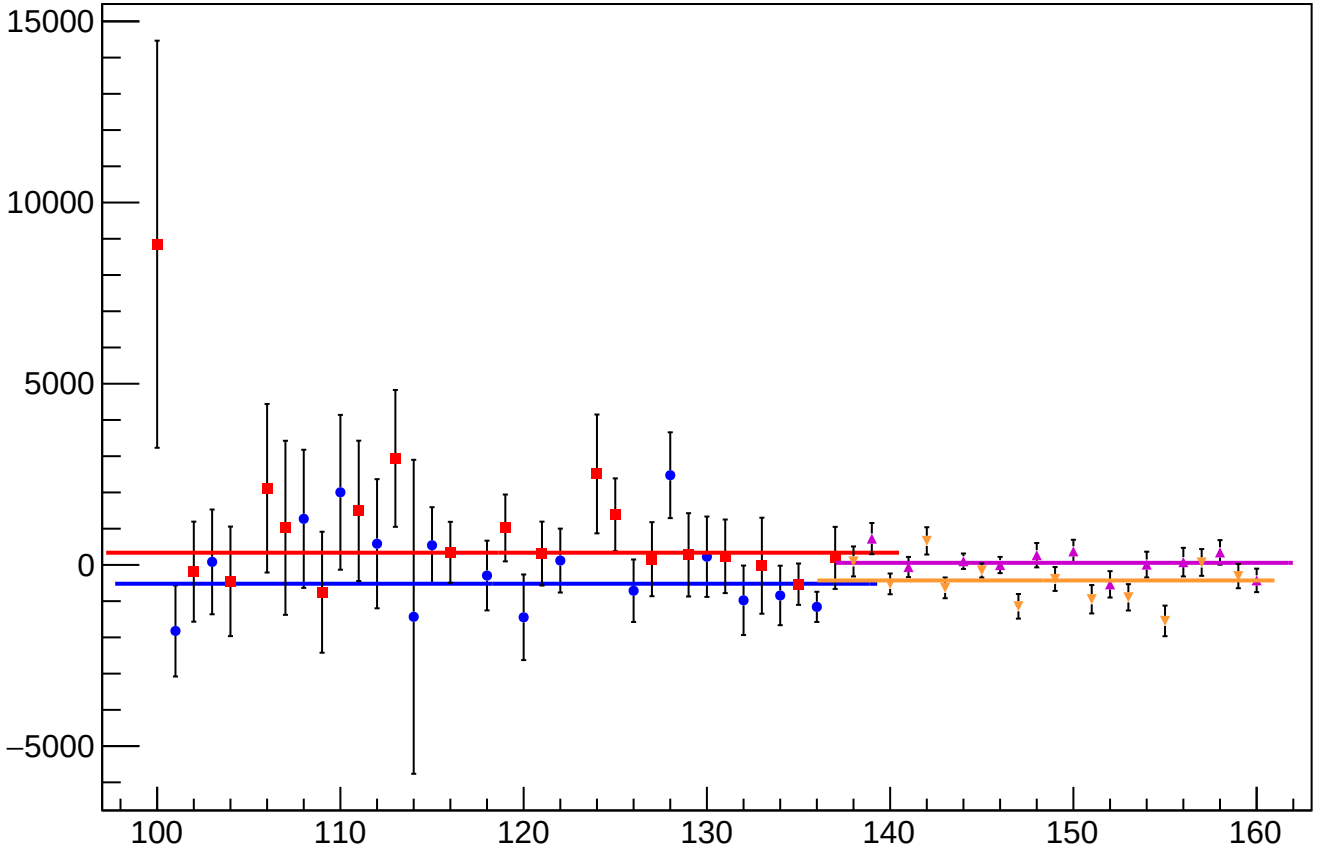
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.367+/-0.011 χ^2/NDF:2067469.9/26

Out: 64.559+/-0.012 χ^2/NDF:2435866.9/30

All: 63.952+/-0.008 χ^2/NDF: 4508715.3/57

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: 57.471+/-91.713 χ^2/NDF:9.7/10

Left: -183.768+/-65.100 χ^2/NDF: 53.0/22

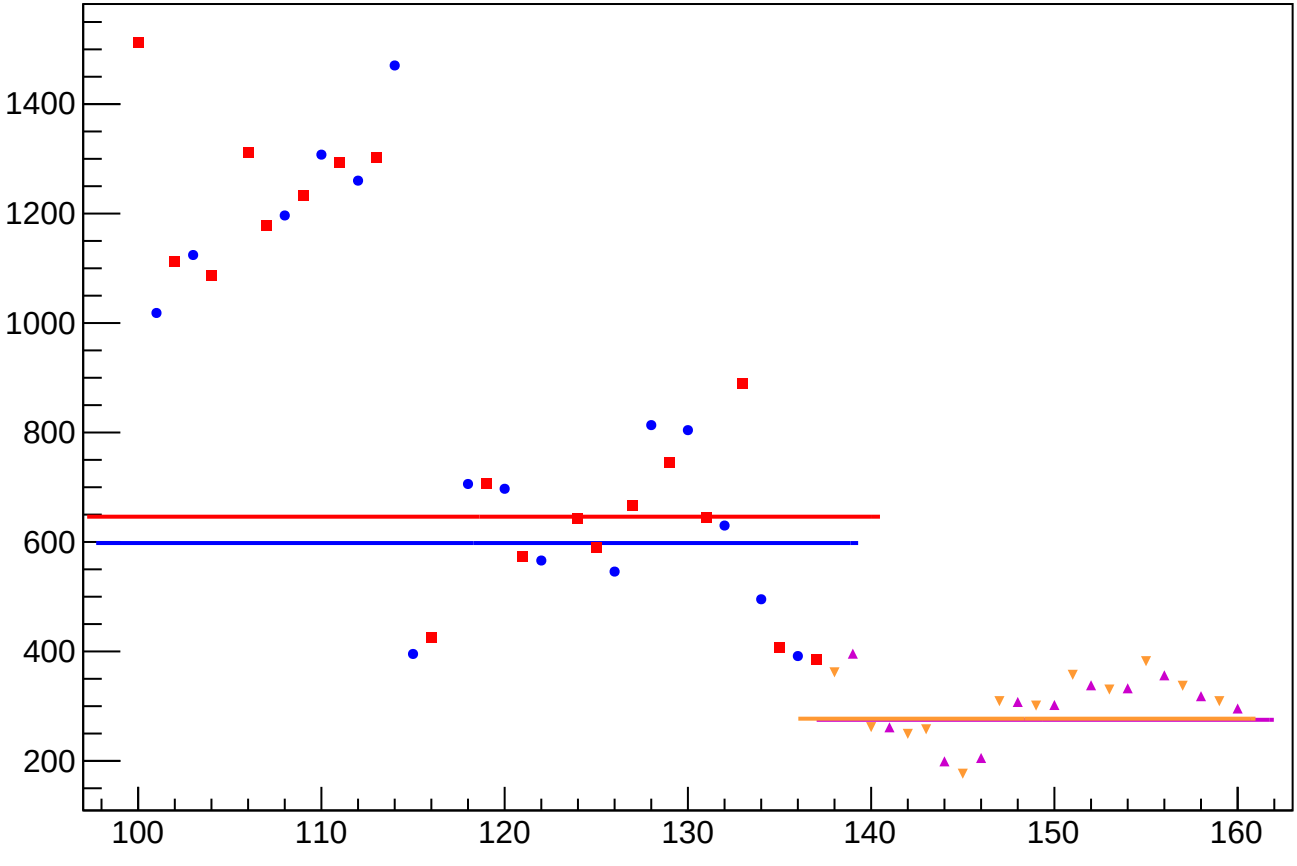
Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -15.316+/-85.730 χ^2/NDF:30.5/26

Out: -340.861+/-86.954 χ^2/NDF:49.1/30

All: -175.781+/-61.048 χ^2/NDF: 86.8/57

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



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: 275.098+/-0.065 χ^2/NDF:880106.7/10

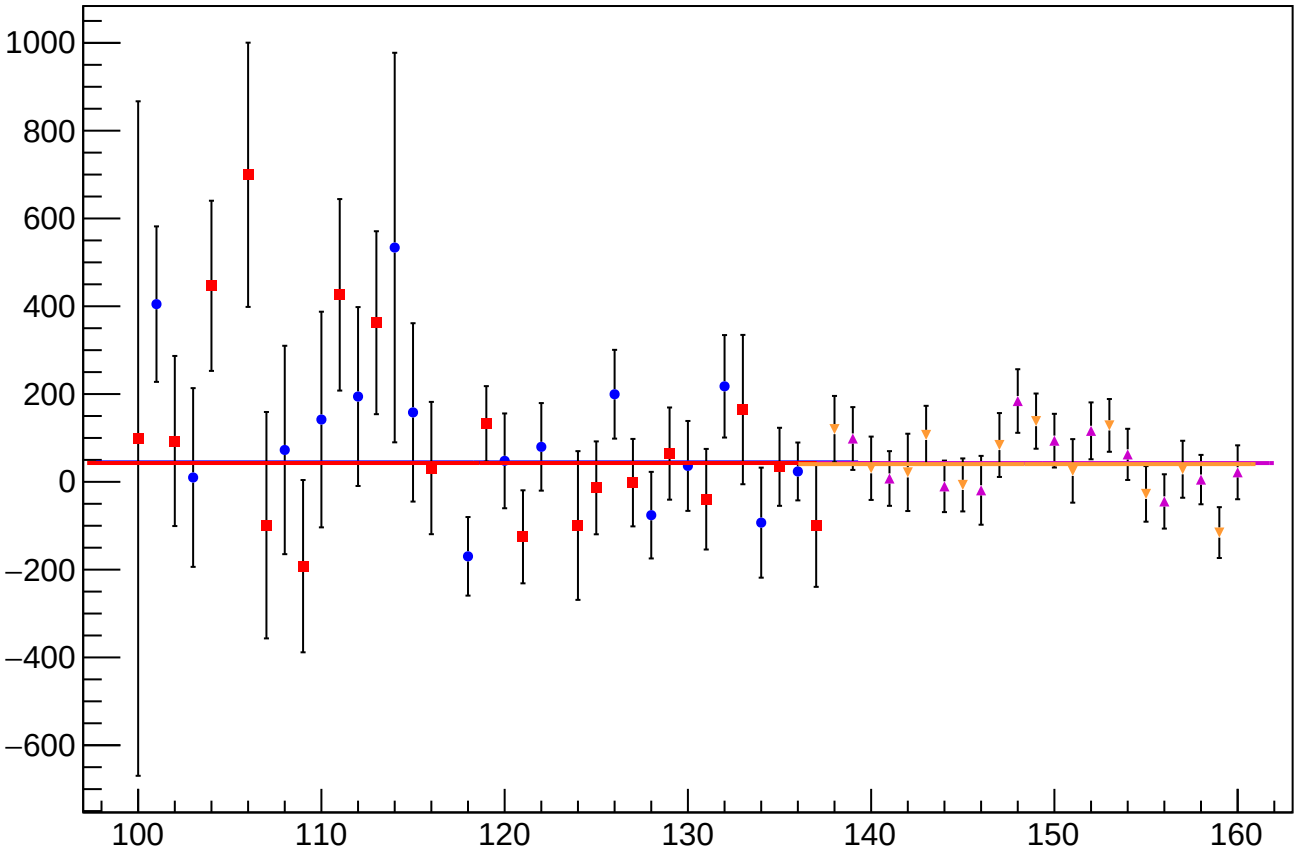
Left: 276.117+/-0.046 χ^2/NDF: 1864954.2/22

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 315.857+/-0.061 χ^2/NDF:6057777.4/26

Out: 319.524+/-0.061 χ^2/NDF:6851063.1/30

All: 317.664+/-0.043 χ^2/NDF: 12910644.0/57



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: 42.782+/-19.107 χ^2/NDF:10.8/10

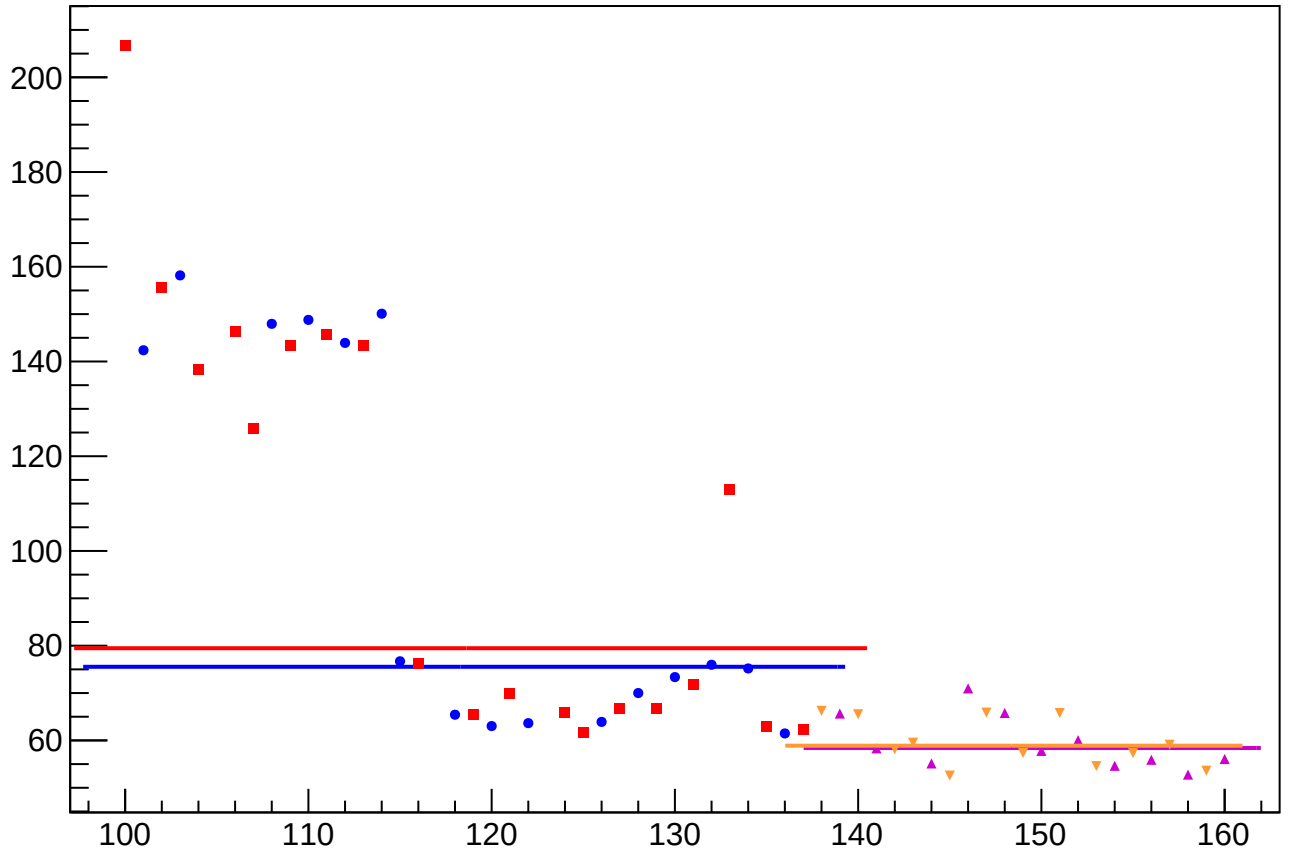
Left: 41.608+/-13.569 χ^2/NDF: 27.1/22

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 43.247+/-16.102 χ^2/NDF:30.4/26

Out: 41.099+/-16.404 χ^2/NDF:39.5/30

All: 42.193+/-11.491 χ^2/NDF: 70.0/57



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: 58.397+/-0.014 χ^2/NDF:135061.5/10

Left: 58.641+/-0.010 χ^2/NDF: 259691.6/22

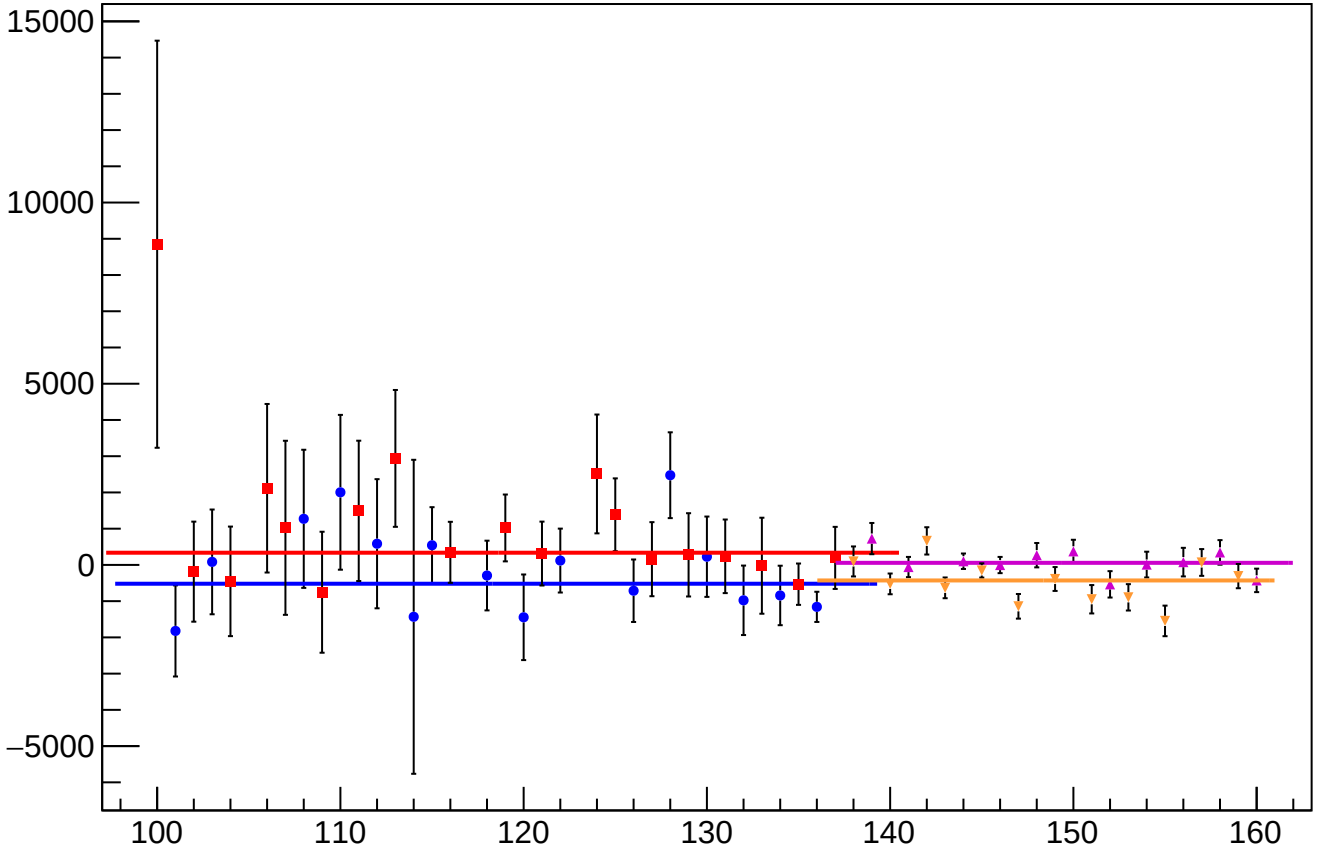
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.367+/-0.011 χ^2/NDF:2067439.2/26

Out: 64.559+/-0.012 χ^2/NDF:2435837.4/30

All: 63.952+/-0.008 χ^2/NDF: 4508655.4/57

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: 57.470+/-91.712 χ^2/NDF:9.7/10

Left: -183.768+/-65.100 χ^2/NDF: 53.0/22

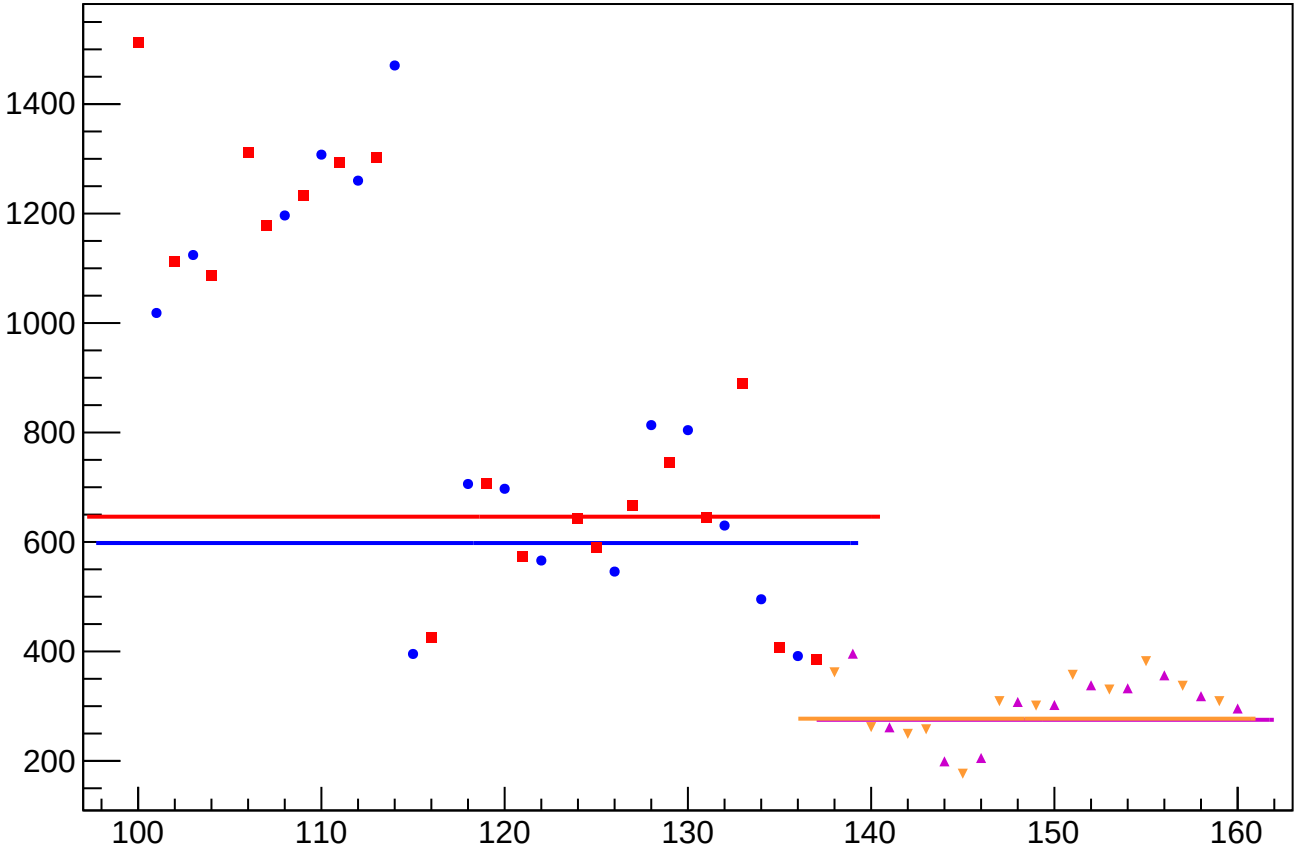
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -15.317+/-85.730 χ^2/NDF:30.5/26

Out: -340.861+/-86.954 χ^2/NDF:49.1/30

All: -175.781+/-61.048 χ^2/NDF: 86.8/57

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 277.151+/-0.065 χ^2/NDF:984357.4/11

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 275.098+/-0.065 χ^2/NDF:880104.0/10

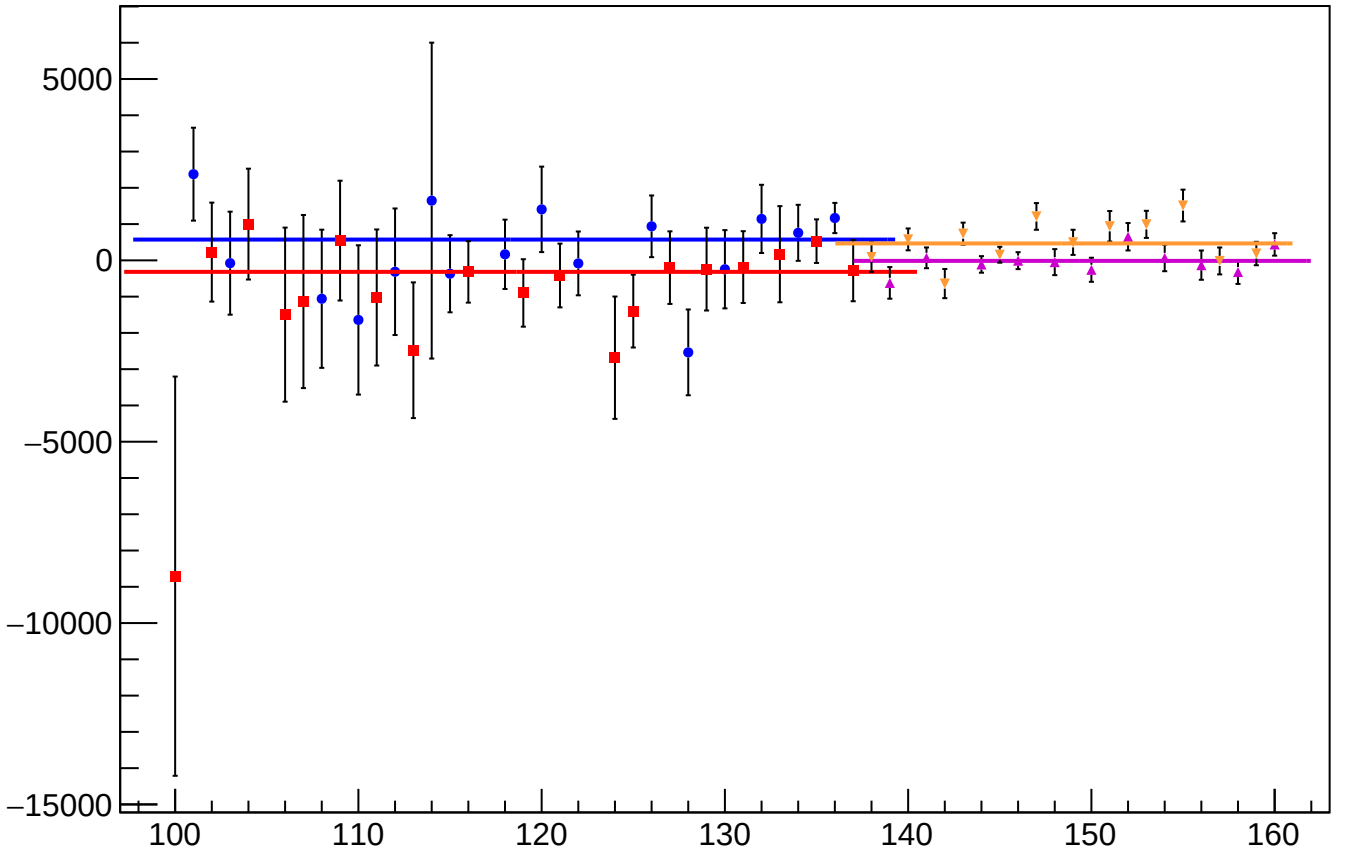
Left: 276.117+/-0.046 χ^2/NDF: 1864958.9/22

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 315.856+/-0.061 χ^2/NDF:6057762.6/26

Out: 319.523+/-0.061 χ^2/NDF:6851065.5/30

All: 317.664+/-0.043 χ^2/NDF: 12910631.5/57



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: -14.196+/-94.436 χ^2/NDF:9.0/10

Left: 218.895+/-67.801 χ^2/NDF: 48.4/22

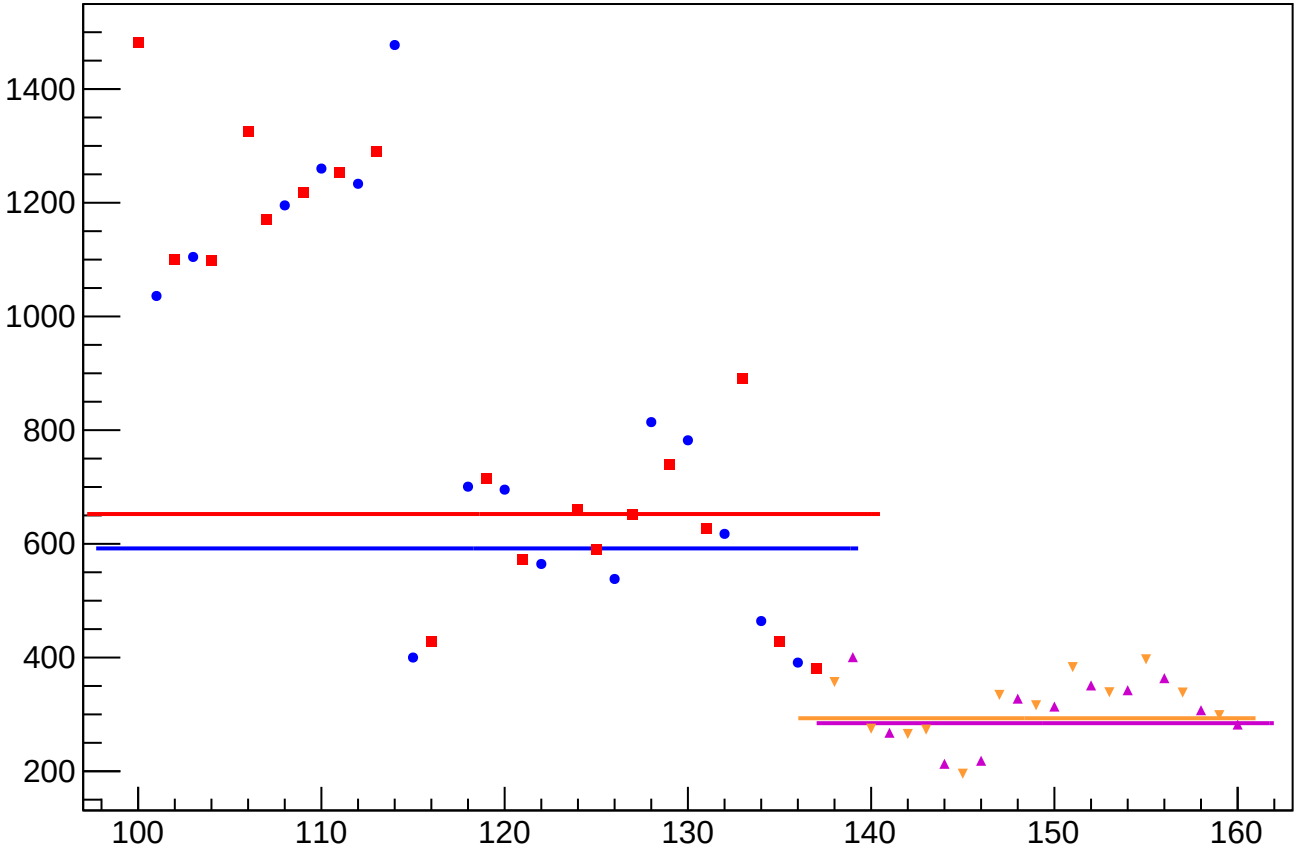
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 65.197+/-87.824 χ^2/NDF:30.8/26

Out: 369.259+/-91.136 χ^2/NDF:45.9/30

All: 211.602+/-63.240 χ^2/NDF: 82.5/57

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: 284.561+/-0.067 χ^2/NDF:747474.1/10

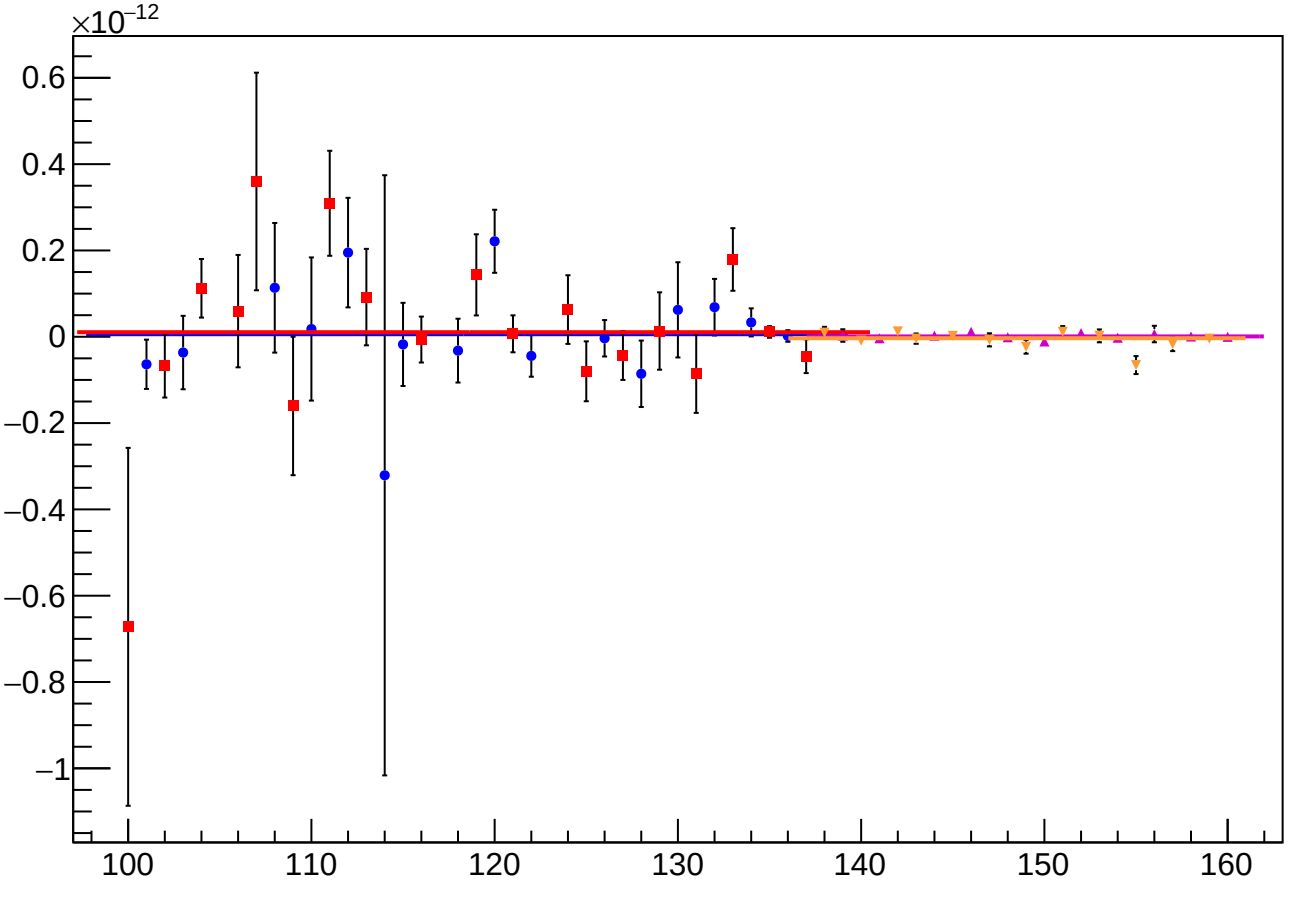
Left: 288.773+/-0.048 χ^2/NDF: 1523371.3/22

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 326.099+/-0.062 χ^2/NDF:5646832.4/26

Out: 337.993+/-0.064 χ^2/NDF:6245362.9/30

All: 331.826+/-0.045 χ^2/NDF: 11909857.9/57



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:3.6/10

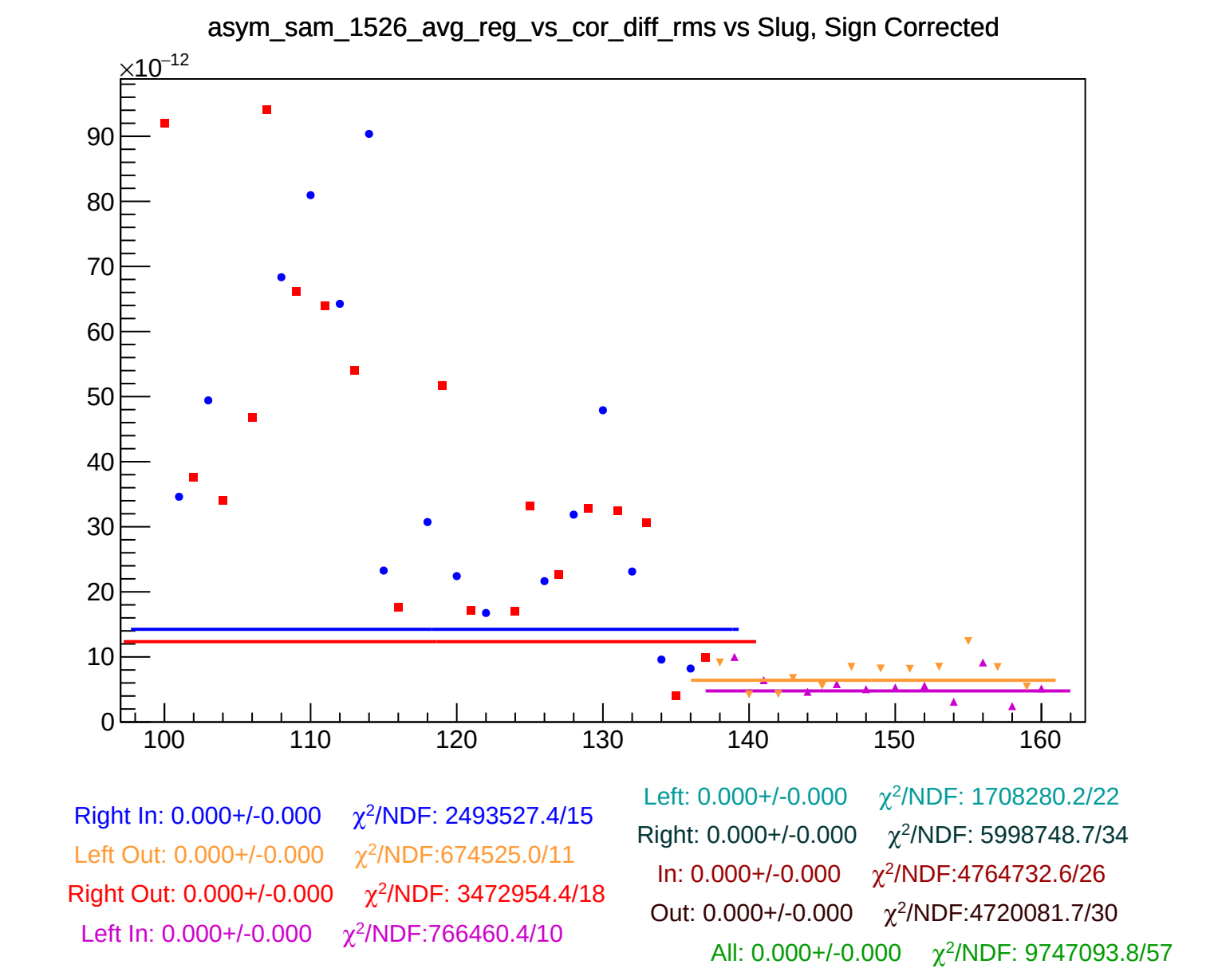
Left: -0.000+/-0.000 χ^2/NDF: 21.0/22

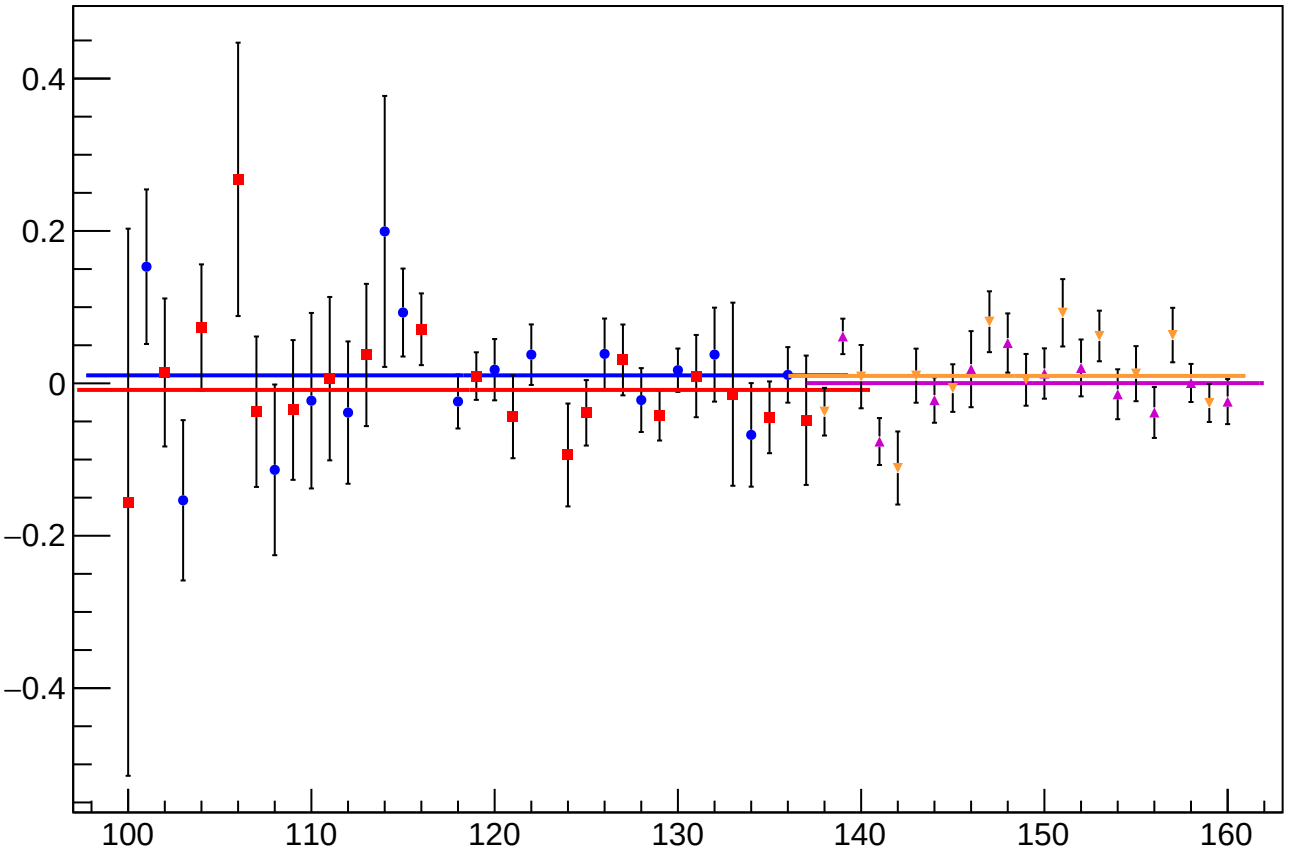
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:22.0/26

Out: -0.000+/-0.000 χ^2/NDF:47.7/30

All: -0.000+/-0.000 χ^2/NDF: 70.3/57


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:674525.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:766460.4/10
Left: 0.000+/-0.000 χ²/NDF: 1708280.2/22
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4764732.6/26
Out: 0.000+/-0.000 χ²/NDF:4720081.7/30
All: 0.000+/-0.000 χ²/NDF: 9747093.8/57



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: 0.000+/-0.009 χ^2/NDF:18.3/10

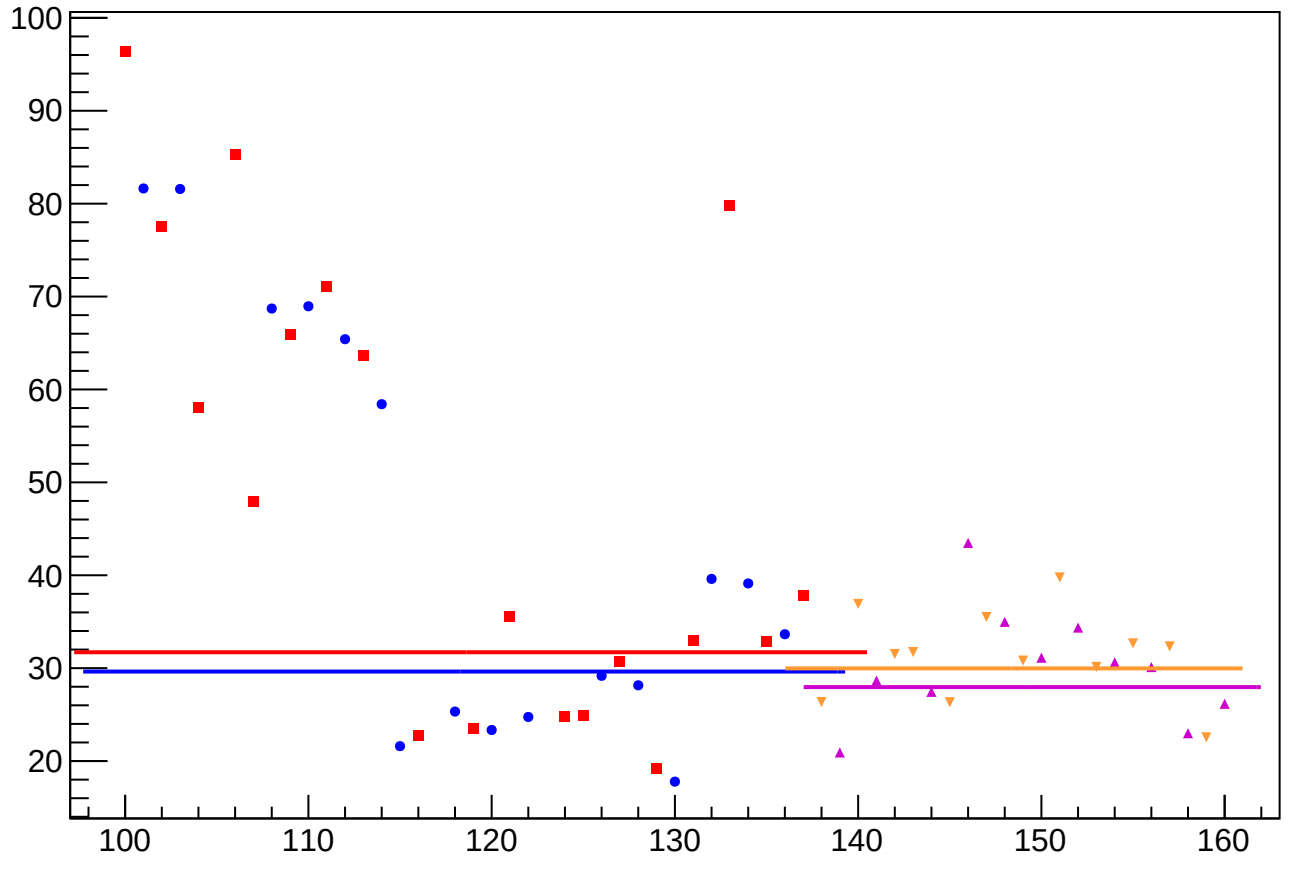
Left: 0.005+/-0.007 χ^2/NDF: 41.1/22

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.004+/-0.005 χ^2/NDF: 67.9/57



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: 27.958+/-0.007 χ^2/NDF:628226.1/10

Left: 28.901+/-0.005 χ^2/NDF: 1122943.1/22

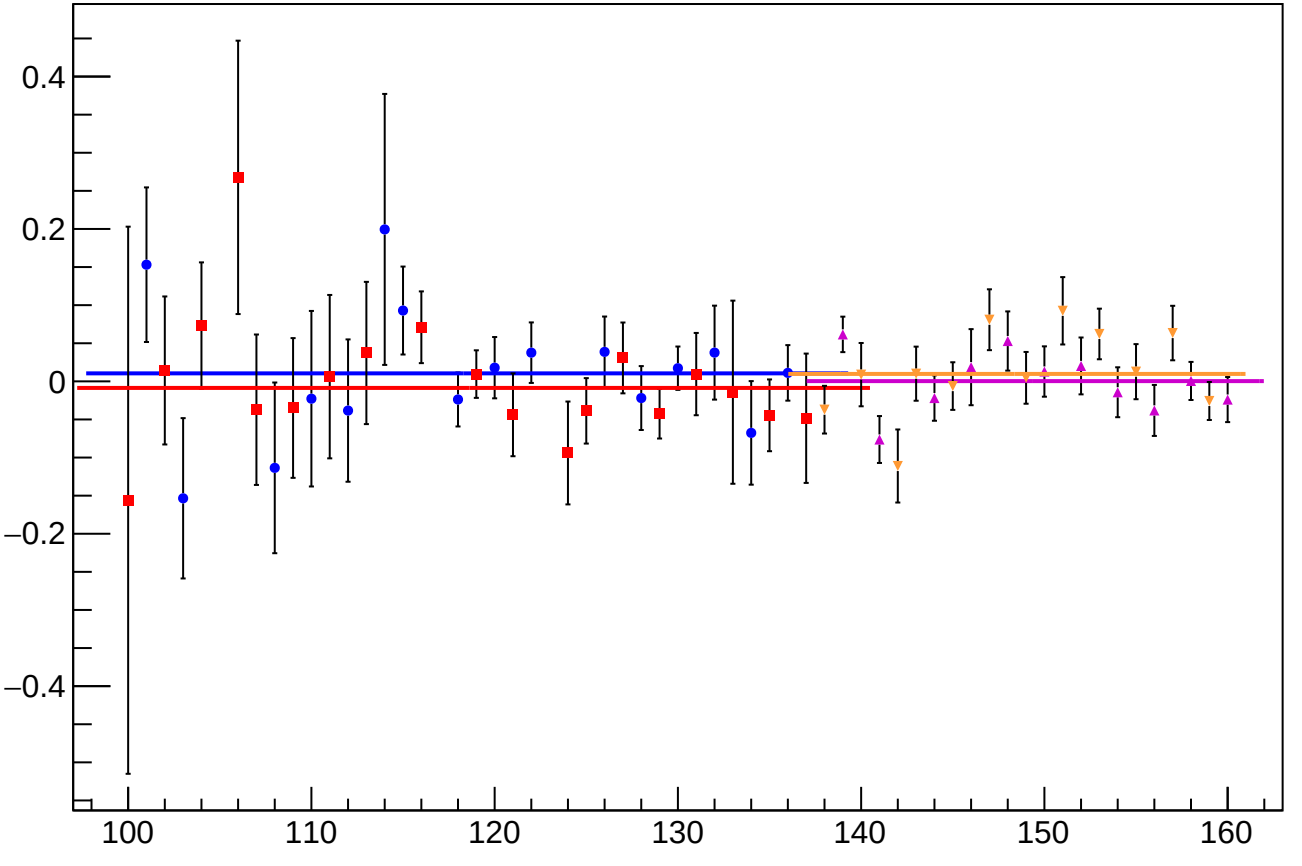
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.561+/-0.005 χ^2/NDF:3099522.4/26

Out: 30.608+/-0.006 χ^2/NDF:3125175.1/30

All: 29.523+/-0.004 χ^2/NDF: 6294140.6/57

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: 0.000+/-0.009 χ^2/NDF:18.3/10

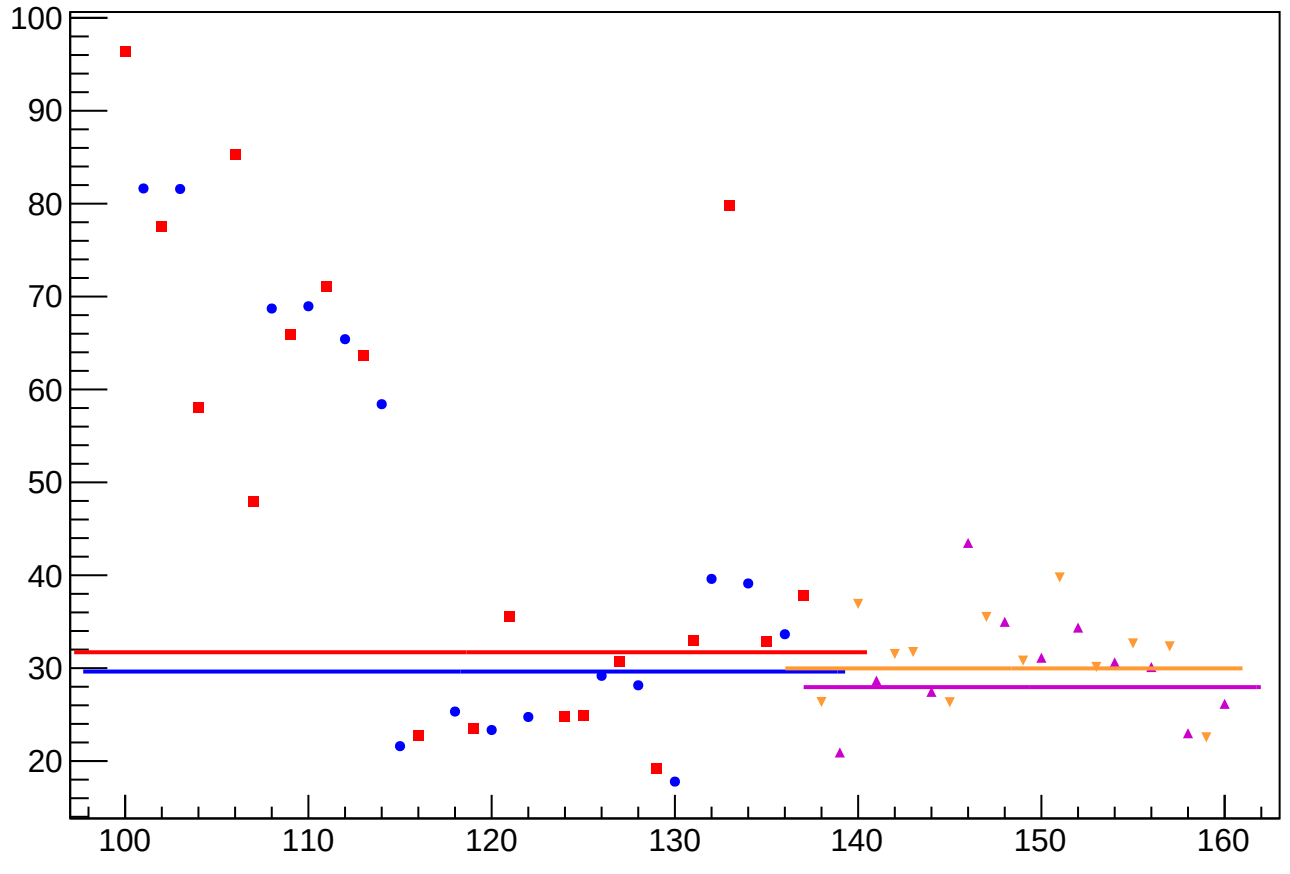
Left: 0.005+/-0.007 χ^2/NDF: 41.1/22

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.004+/-0.005 χ^2/NDF: 67.9/57



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: 27.958+/-0.007 χ^2/NDF:628226.1/10

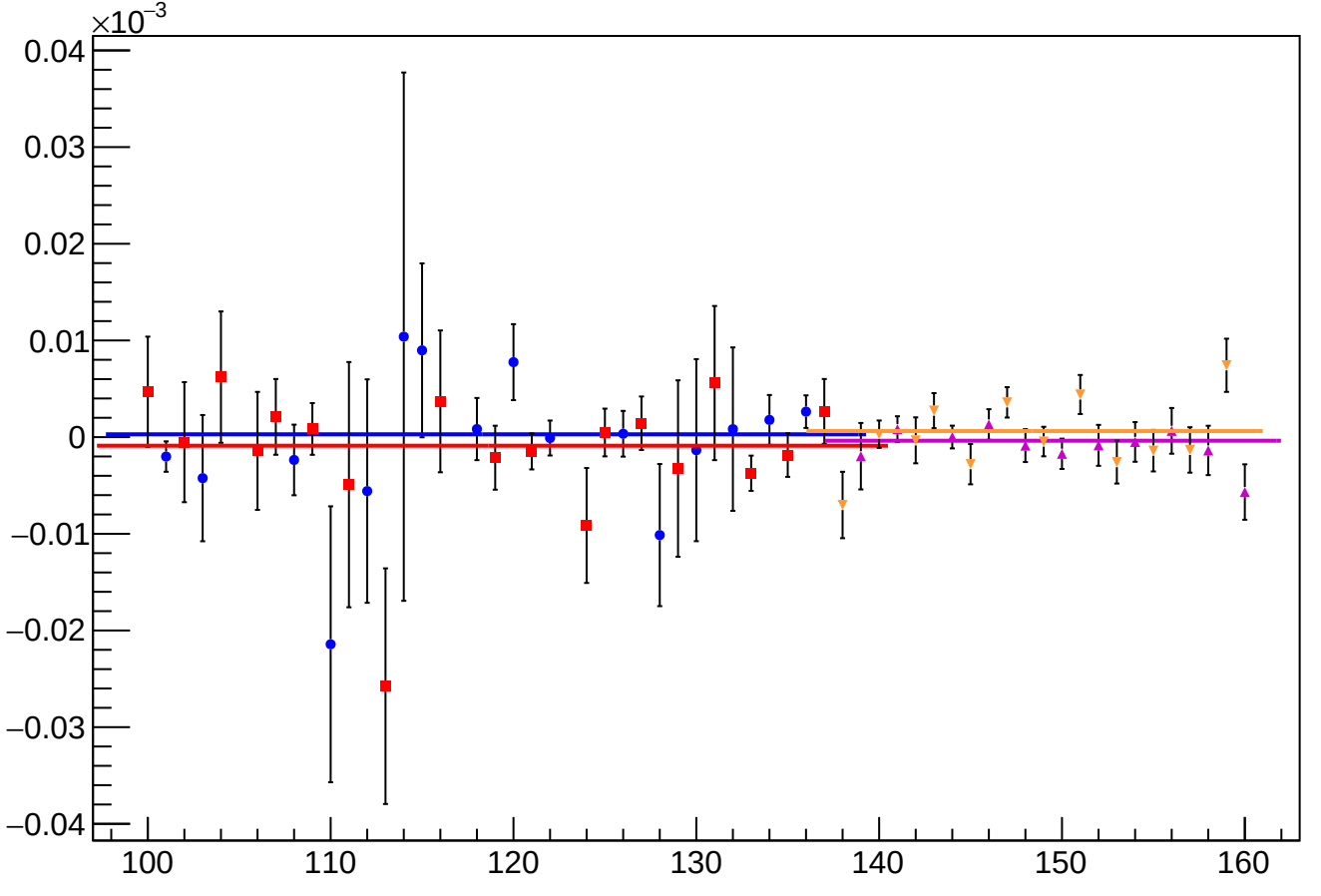
Left: 28.901+/-0.005 χ^2/NDF: 1122943.1/22

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.561+/-0.005 χ^2/NDF:3099522.4/26

Out: 30.608+/-0.006 χ^2/NDF:3125175.1/30

All: 29.523+/-0.004 χ^2/NDF: 6294140.6/57



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:6.9/10

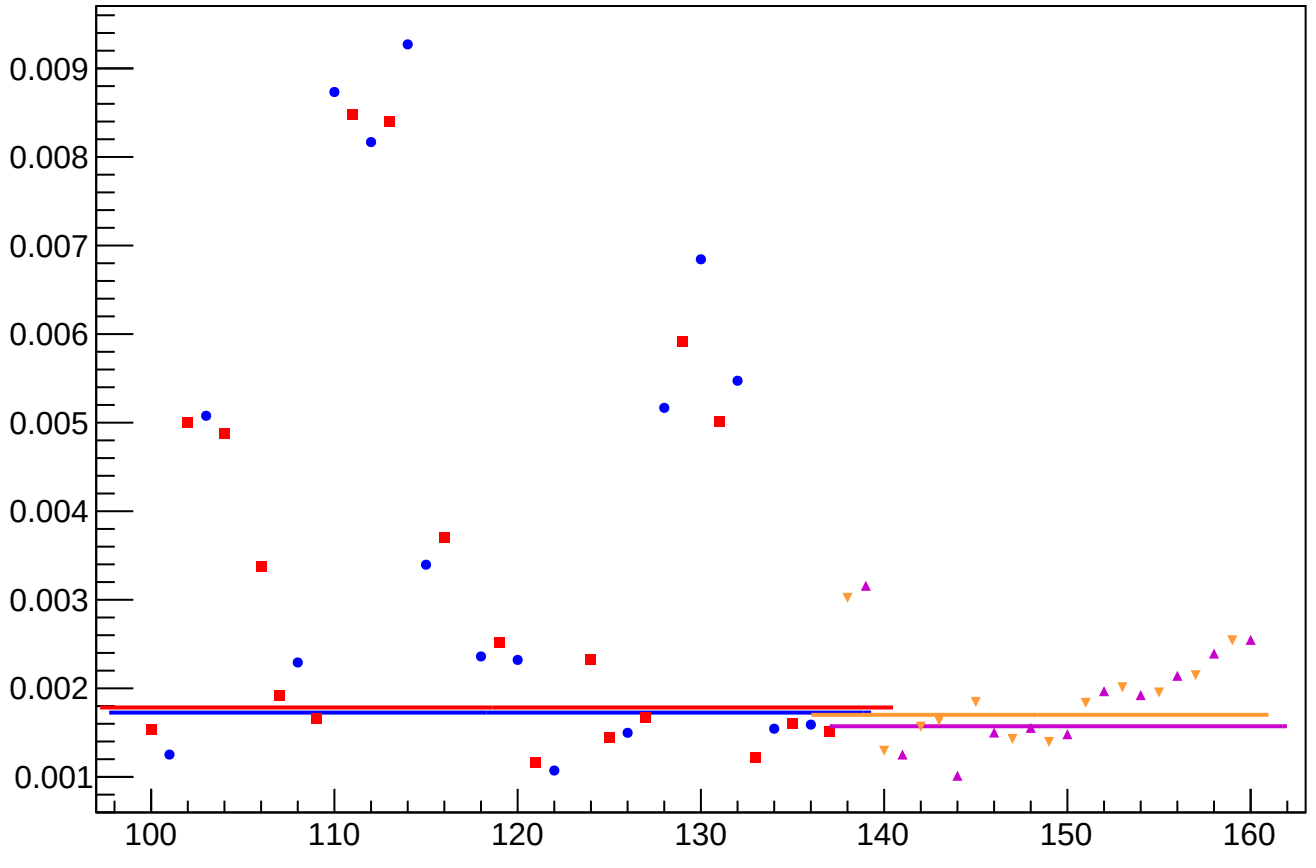
Left: 0.000+/-0.000 χ^2/NDF: 35.1/22

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:22.2/26

Out: 0.000+/-0.000 χ^2/NDF:44.5/30

All: -0.000+/-0.000 χ^2/NDF: 66.8/57



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:1685412.5/10

Left: 0.002+/-0.000 χ^2/NDF: 2693671.2/22

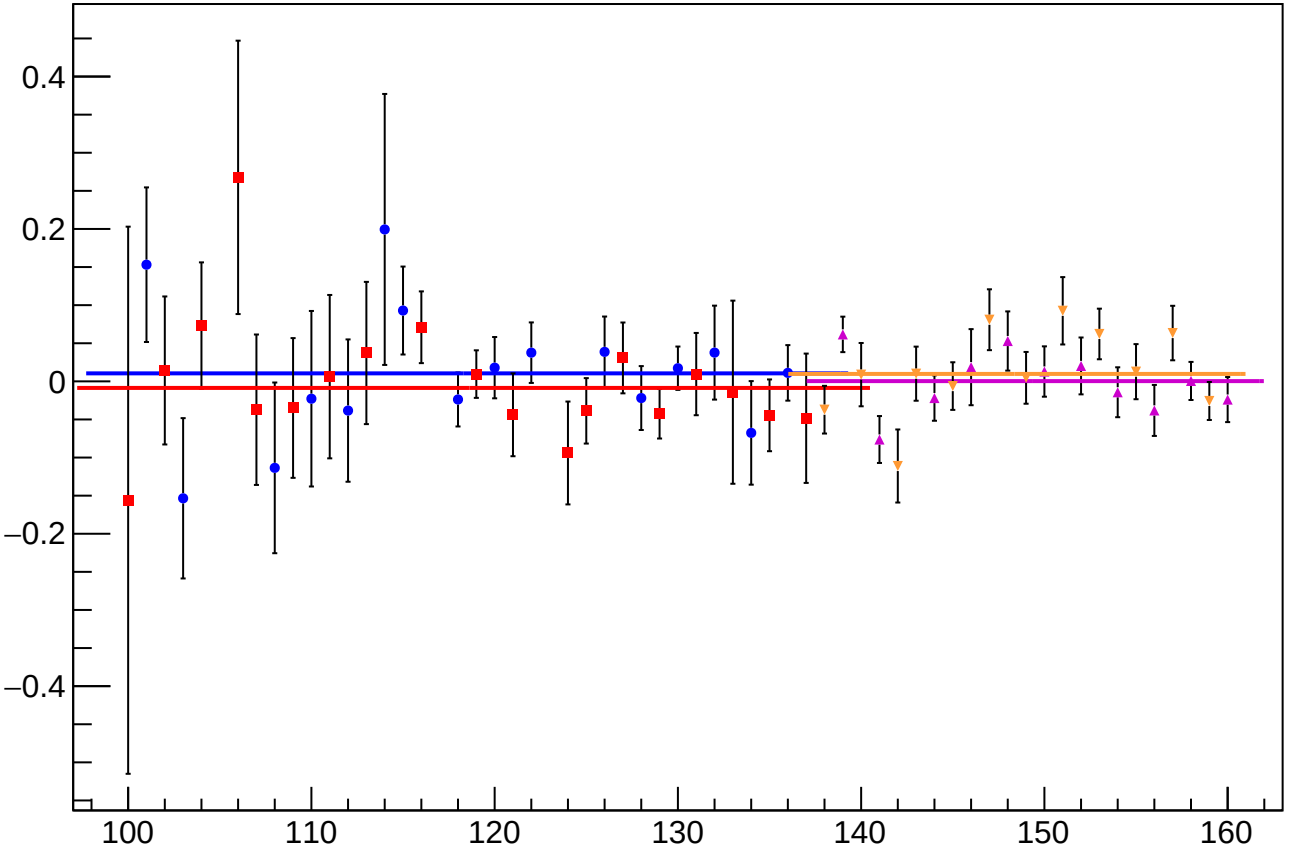
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5672223.5/26

Out: 0.002+/-0.000 χ^2/NDF:4687466.4/30

All: 0.002+/-0.000 χ^2/NDF: 10415811.3/57

asym_sam_1526_avg_eigen_dit_vs_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: 0.000+/-0.009 χ^2/NDF:18.3/10

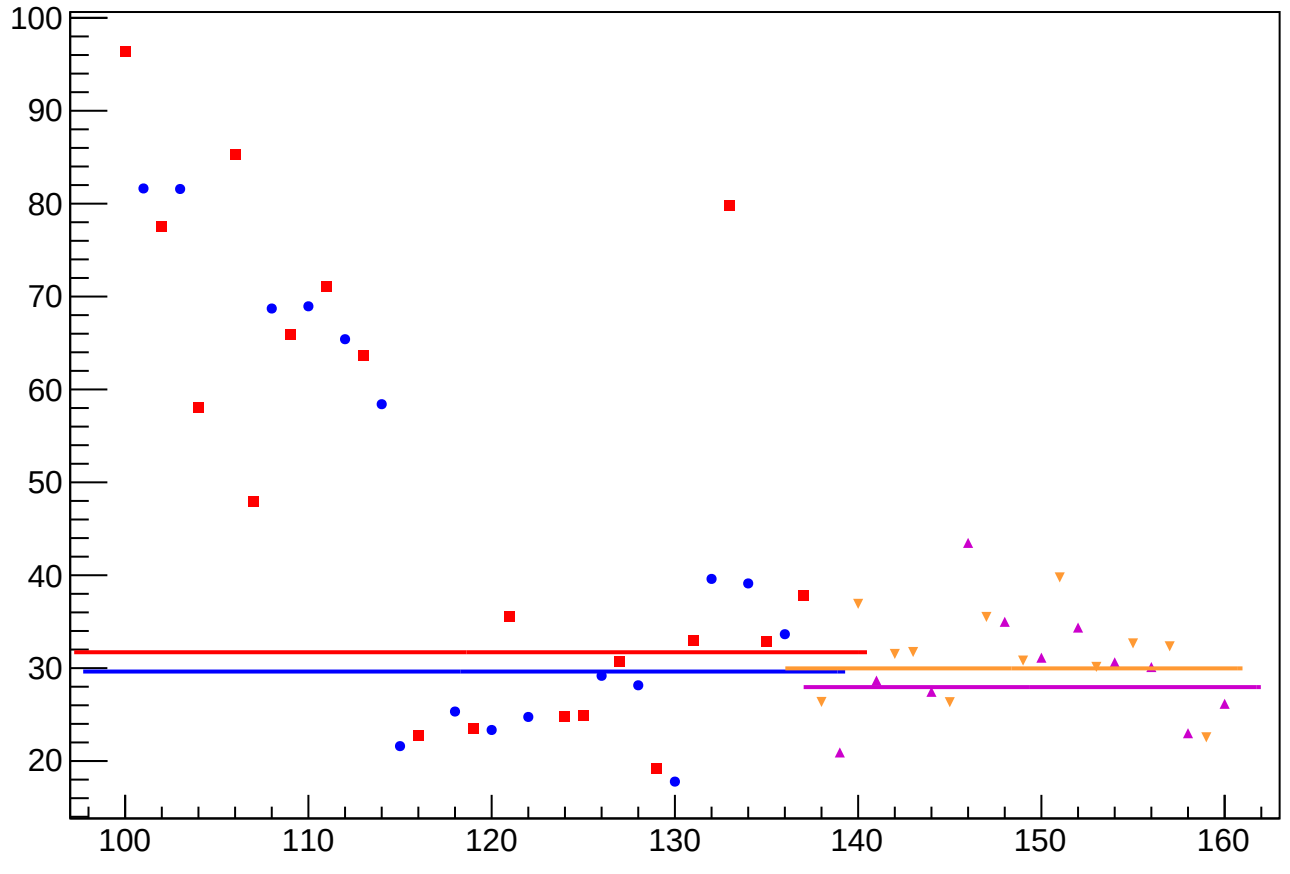
Left: 0.005+/-0.007 χ^2/NDF: 41.1/22

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.004+/-0.005 χ^2/NDF: 67.9/57



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: 27.958+/-0.007 χ^2/NDF:628240.6/10

Left: 28.901+/-0.005 χ^2/NDF: 1122981.8/22

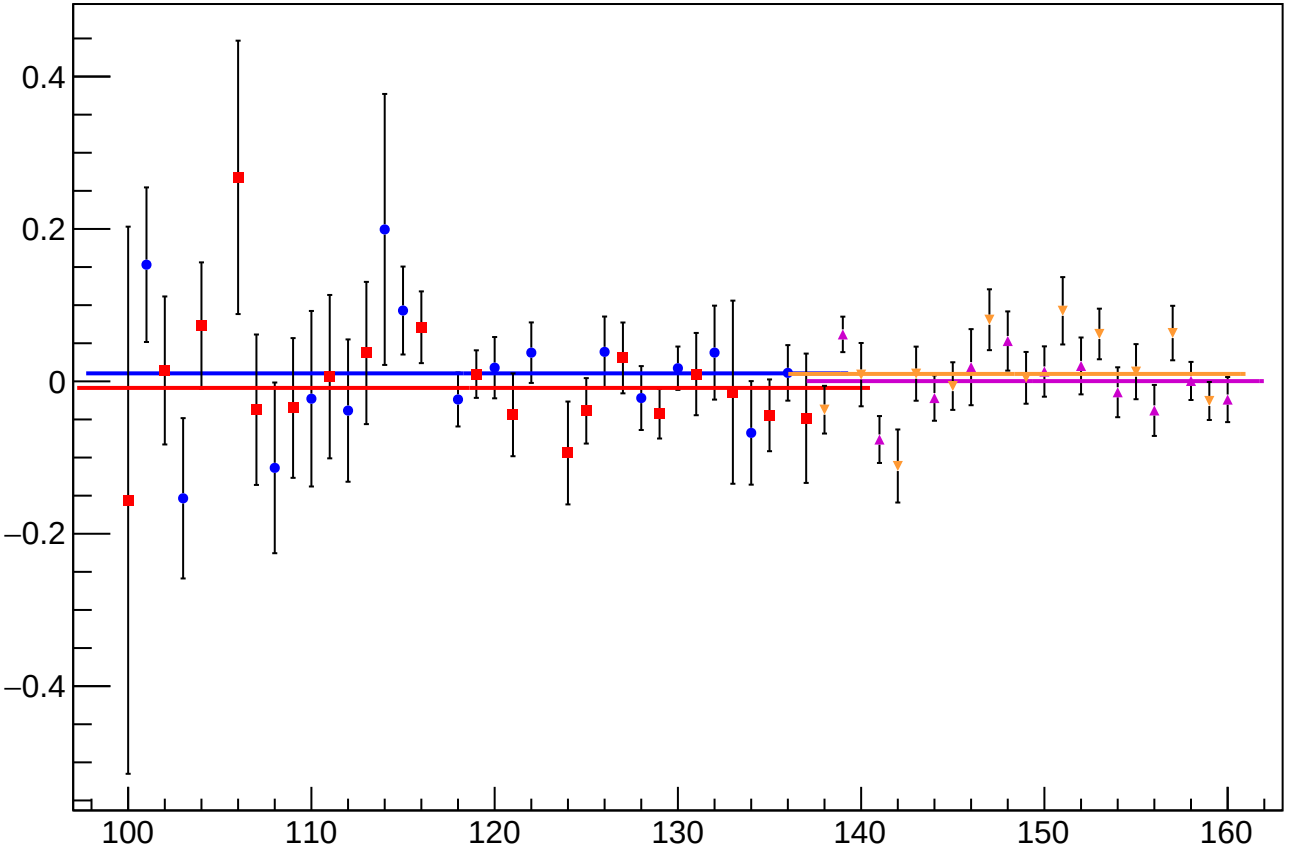
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.561+/-0.005 χ^2/NDF:3099699.4/26

Out: 30.608+/-0.006 χ^2/NDF:3125330.7/30

All: 29.523+/-0.004 χ^2/NDF: 6294472.9/57

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: 0.000+/-0.009 χ^2/NDF:18.3/10

Left: 0.005+/-0.007 χ^2/NDF: 41.1/22

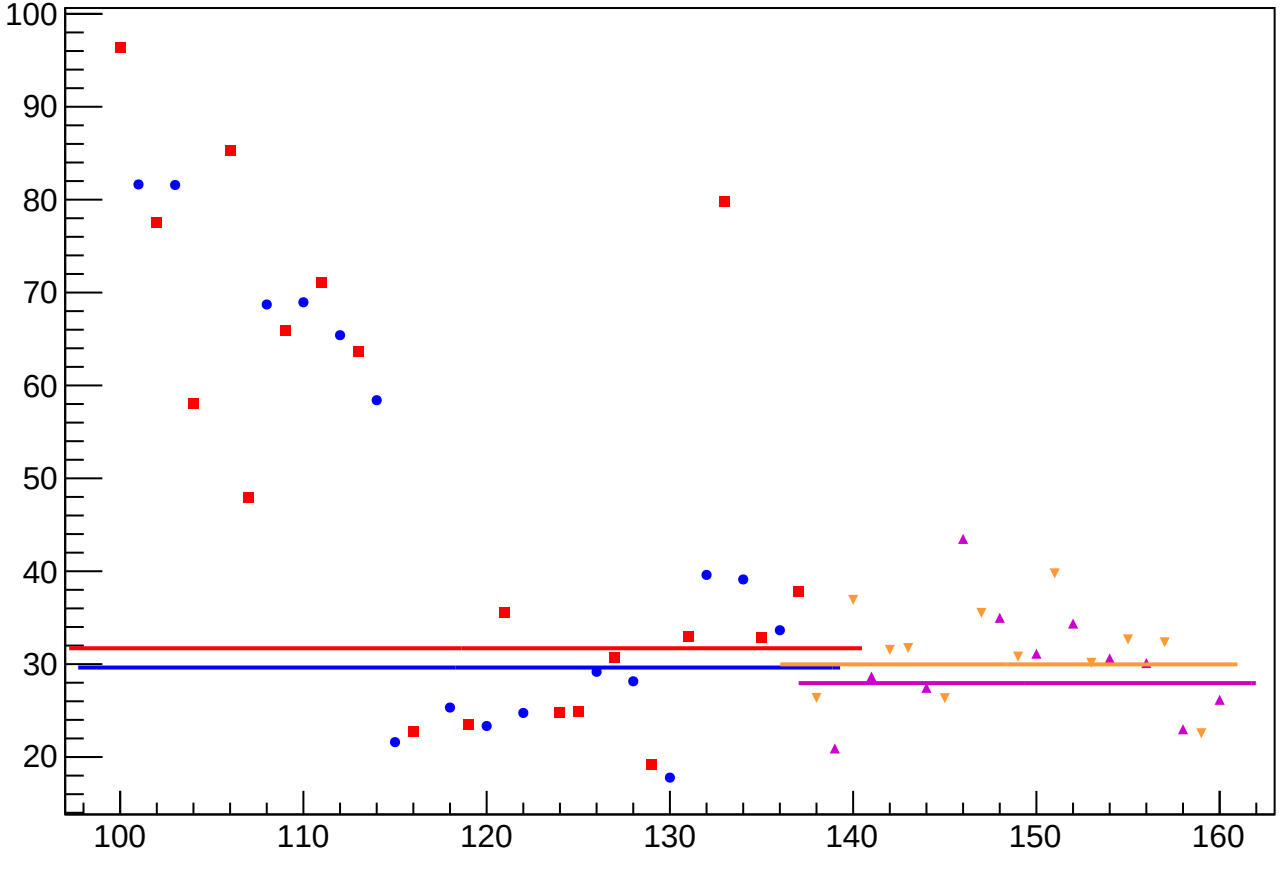
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.003+/-0.008 χ^2/NDF:36.0/30

All: 0.004+/-0.005 χ^2/NDF: 67.9/57

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 27.958+/-0.007 χ^2/NDF:628240.6/10

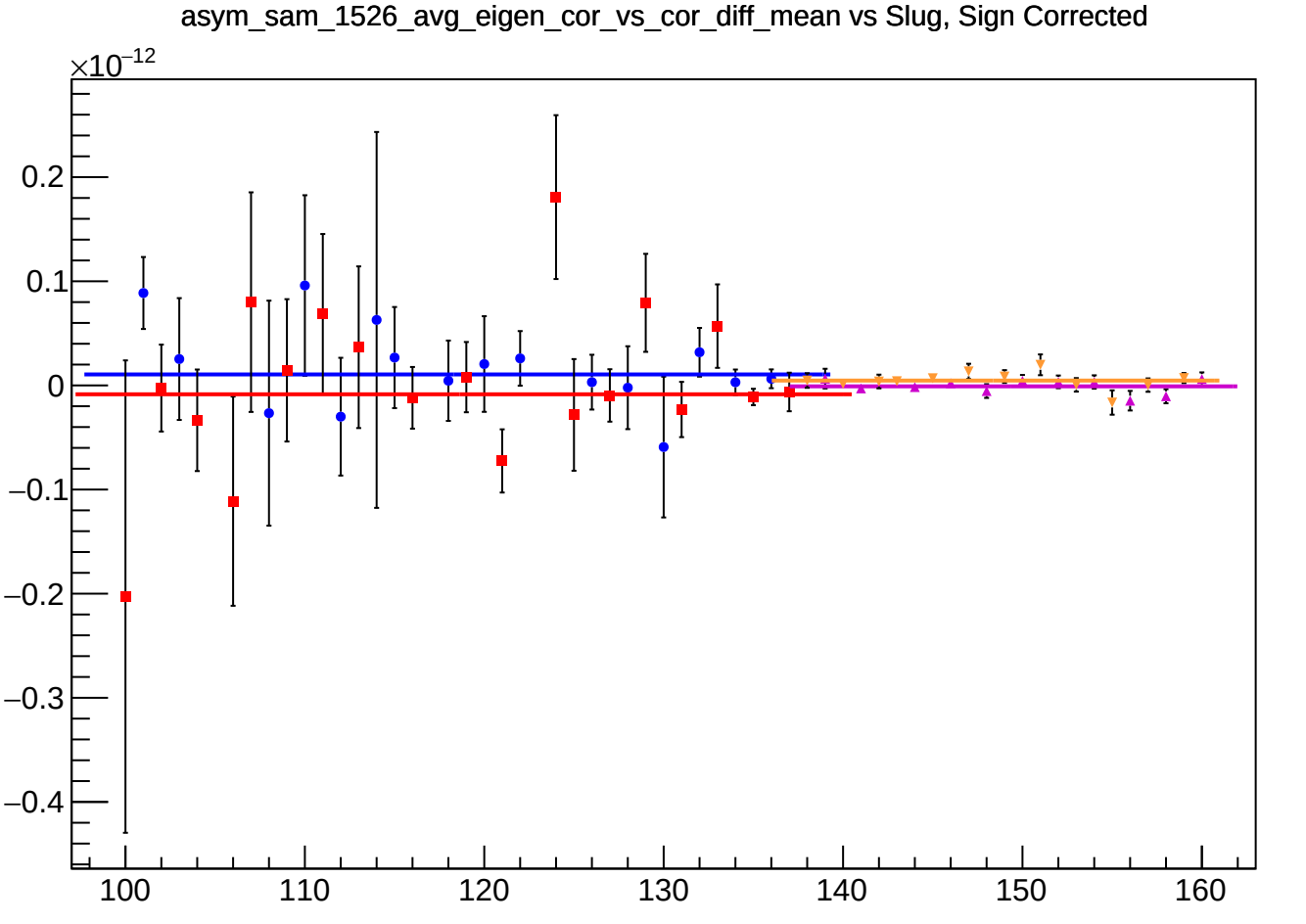
Left: 28.901+/-0.005 χ^2/NDF: 1122981.8/22

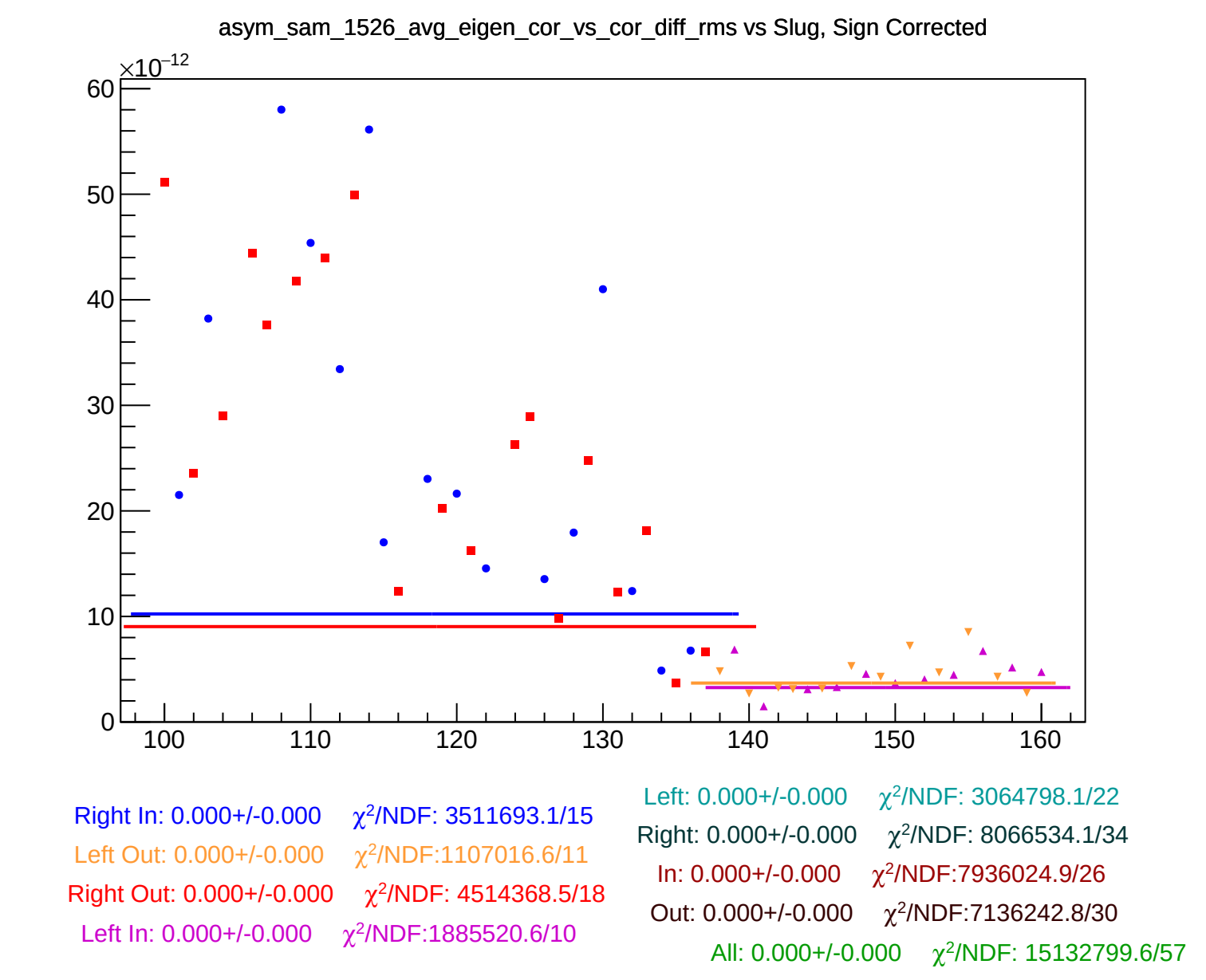
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

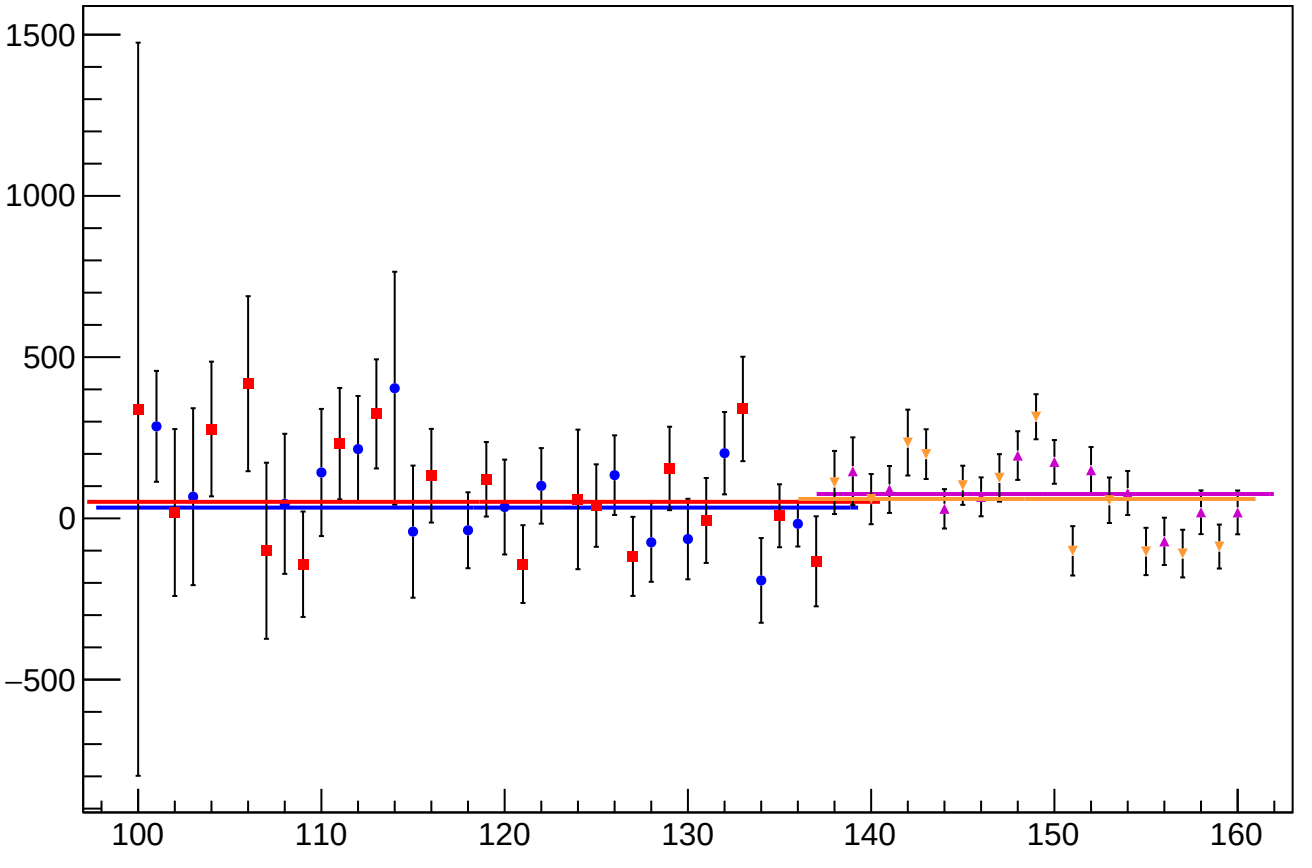
In: 28.561+/-0.005 χ^2/NDF:3099699.4/26

Out: 30.608+/-0.006 χ^2/NDF:3125330.7/30

All: 29.523+/-0.004 χ^2/NDF: 6294472.9/57


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/11
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:9.2/10
Left: 0.000+/-0.000 χ²/NDF: 24.9/22
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: -0.000+/-0.000 χ²/NDF:22.7/26
Out: 0.000+/-0.000 χ²/NDF:35.6/30
All: 0.000+/-0.000 χ²/NDF: 61.5/57


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1107016.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1885520.6/10
Left: 0.000+/-0.000 χ²/NDF: 3064798.1/22
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:7936024.9/26
Out: 0.000+/-0.000 χ²/NDF:7136242.8/30
All: 0.000+/-0.000 χ²/NDF: 15132799.6/57



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: 75.574+/-21.111 χ^2/NDF:12.2/10

Left: 68.045+/-15.087 χ^2/NDF: 52.8/22

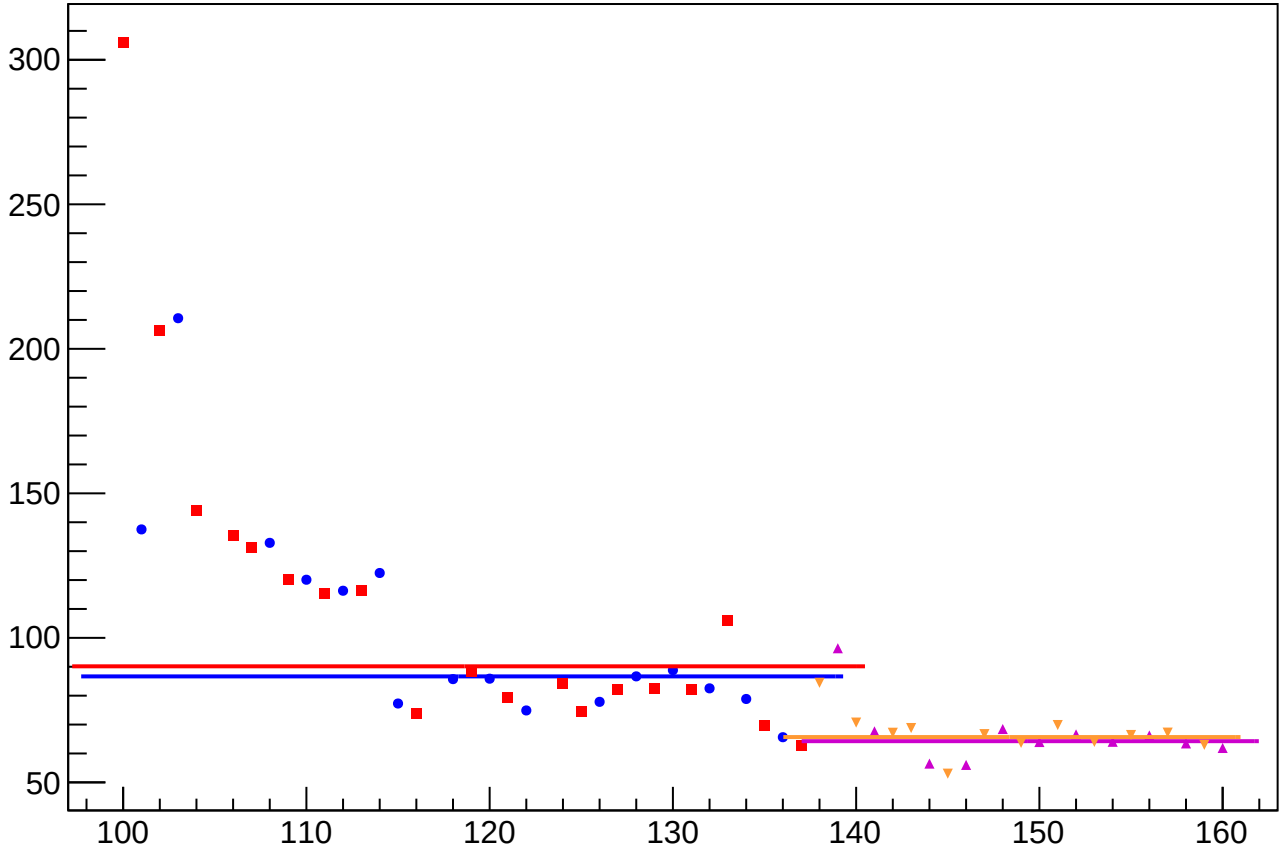
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 63.788+/-17.917 χ^2/NDF:26.1/26

Out: 57.735+/-18.340 χ^2/NDF:59.9/30

All: 60.832+/-12.816 χ^2/NDF: 86.1/57

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 64.254+/-0.015 χ^2/NDF:273486.8/10

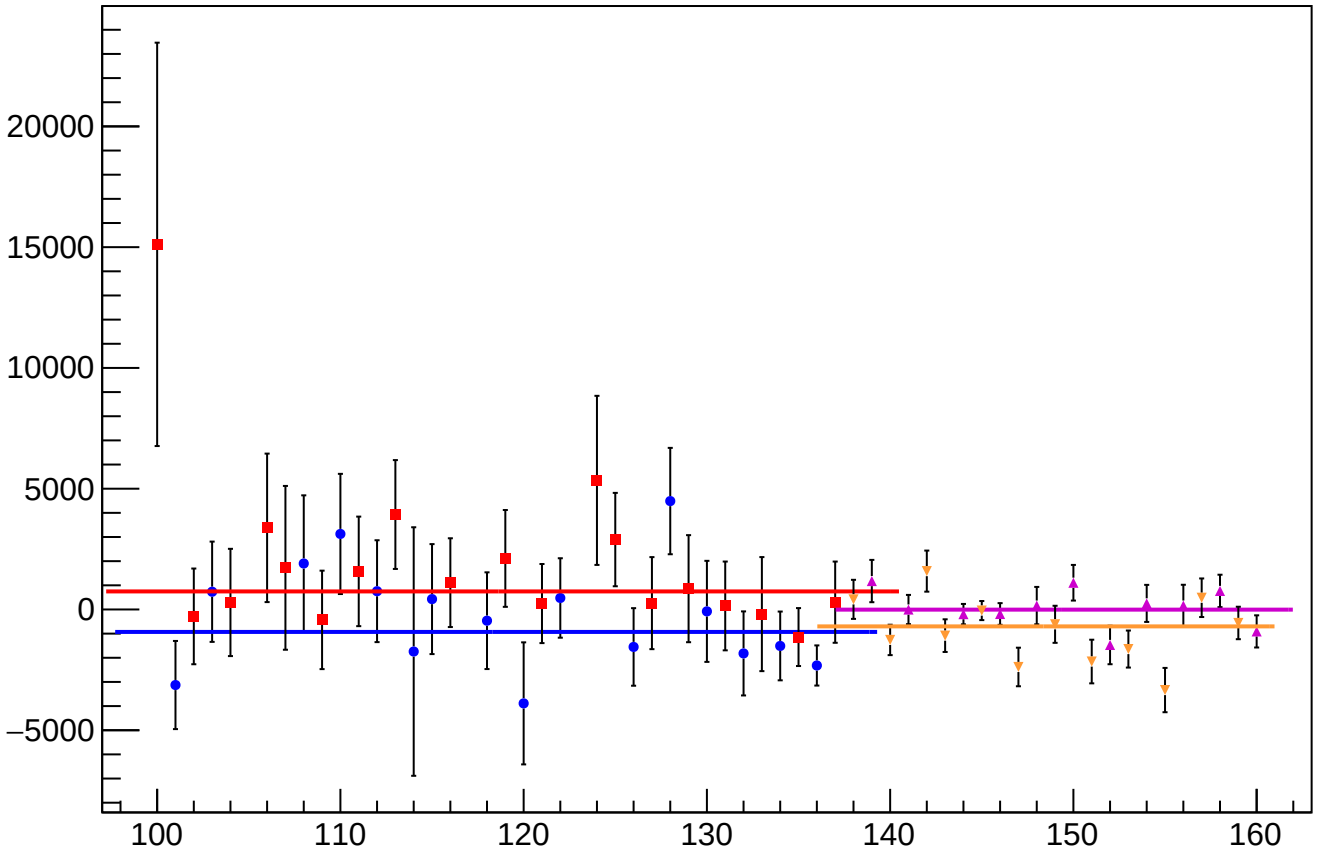
Left: 64.950+/-0.011 χ^2/NDF: 463776.2/22

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 70.522+/-0.013 χ^2/NDF:1942726.6/26

Out: 72.455+/-0.013 χ^2/NDF:2049147.2/30

All: 71.466+/-0.009 χ^2/NDF: 4003238.4/57



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: -7.086+/-191.795 χ^2/NDF:11.2/10

Left: -340.680+/-138.163 χ^2/NDF: 49.5/22

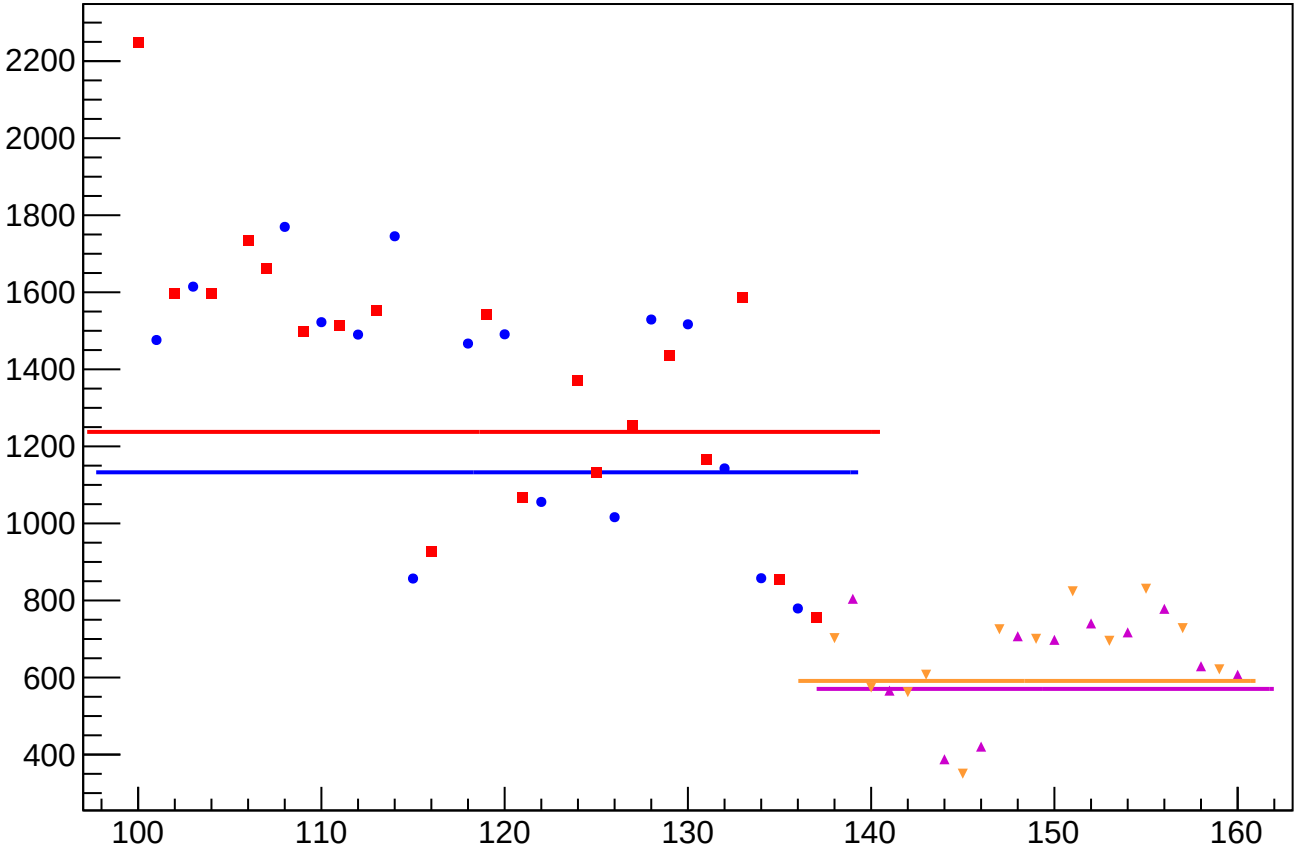
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -153.916+/-175.874 χ^2/NDF:33.4/26

Out: -478.398+/-183.282 χ^2/NDF:53.2/30

All: -309.467+/-126.900 χ^2/NDF: 88.2/57

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 591.185+/-0.141 χ^2/NDF:1251893.8/11

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 570.470+/-0.136 χ^2/NDF:1162457.3/10

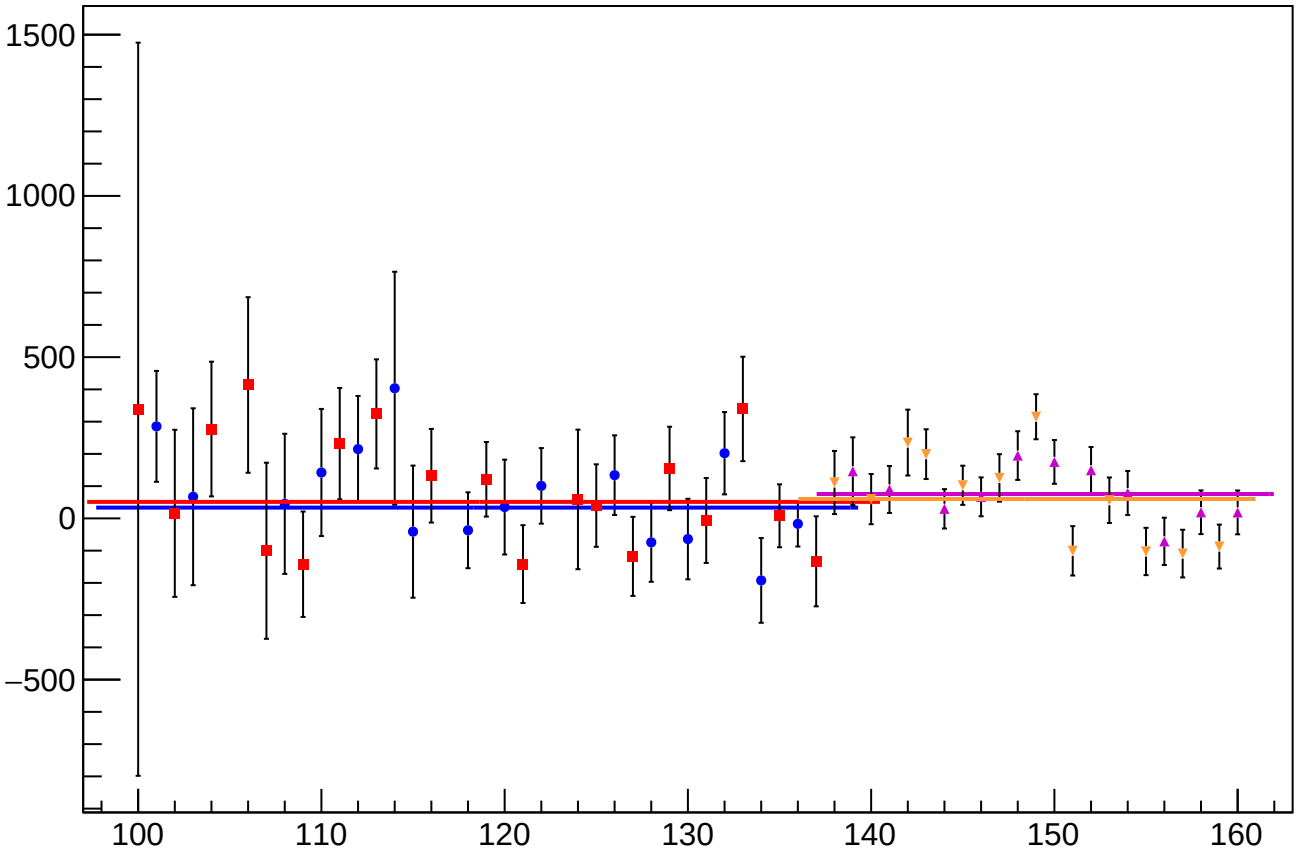
Left: 580.436+/-0.098 χ^2/NDF: 2425574.5/22

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 659.933+/-0.124 χ^2/NDF:5021272.5/26

Out: 690.368+/-0.130 χ^2/NDF:5378597.7/30

All: 674.523+/-0.090 χ^2/NDF: 10428580.9/57



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: 75.574+/-21.111 χ^2/NDF:12.2/10

Left: 68.047+/-15.087 χ^2/NDF: 52.8/22

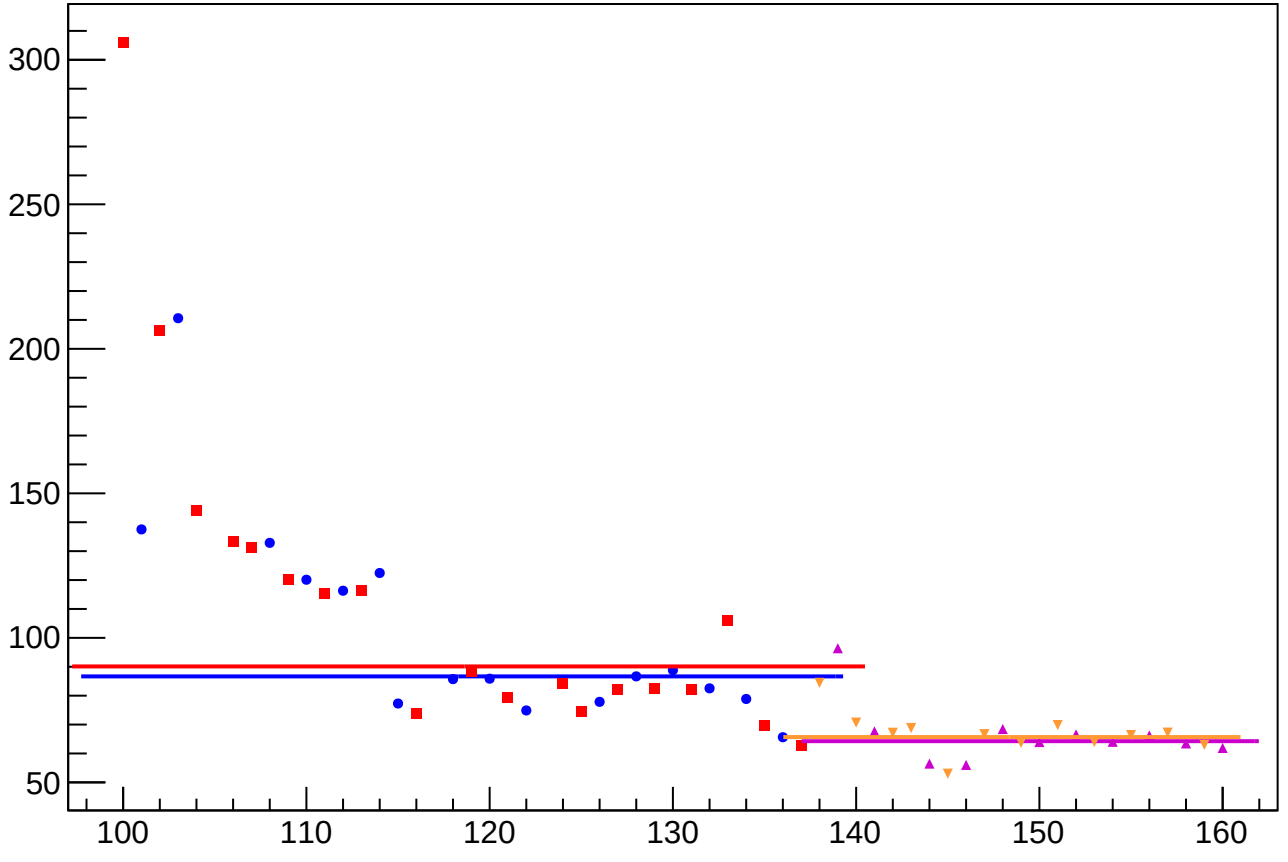
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 63.786+/-17.917 χ^2/NDF:26.1/26

Out: 57.697+/-18.341 χ^2/NDF:59.9/30

All: 60.813+/-12.817 χ^2/NDF: 86.1/57

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: 64.254+/-0.015 χ^2/NDF:273486.8/10

Left: 64.950+/-0.011 χ^2/NDF: 463776.2/22

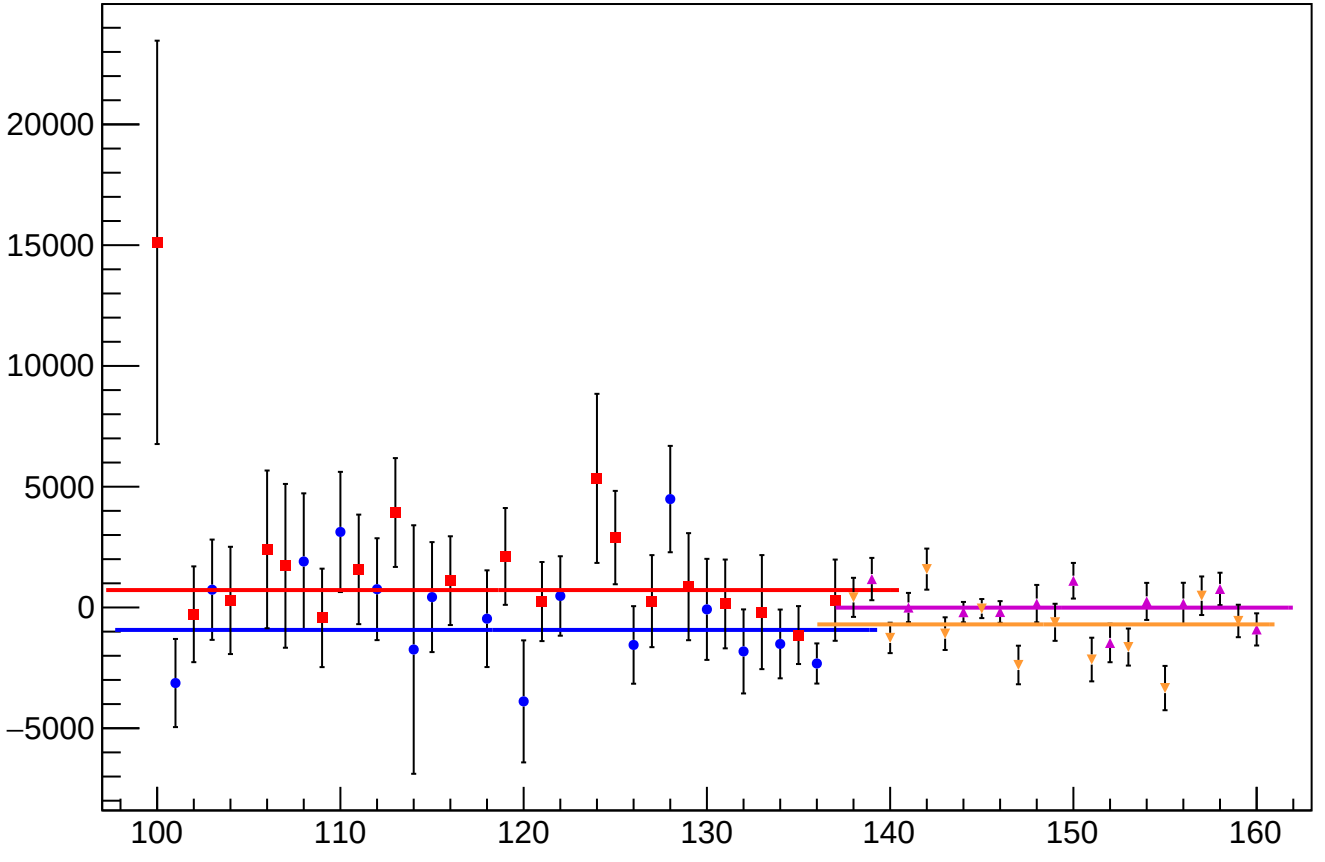
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.522+/-0.013 χ^2/NDF:1942729.1/26

Out: 72.444+/-0.013 χ^2/NDF:2042230.9/30

All: 71.460+/-0.009 χ^2/NDF: 3996197.0/57

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



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: -7.084+/-191.795 χ^2/NDF:11.2/10

Left: -340.676+/-138.163 χ^2/NDF: 49.5/22

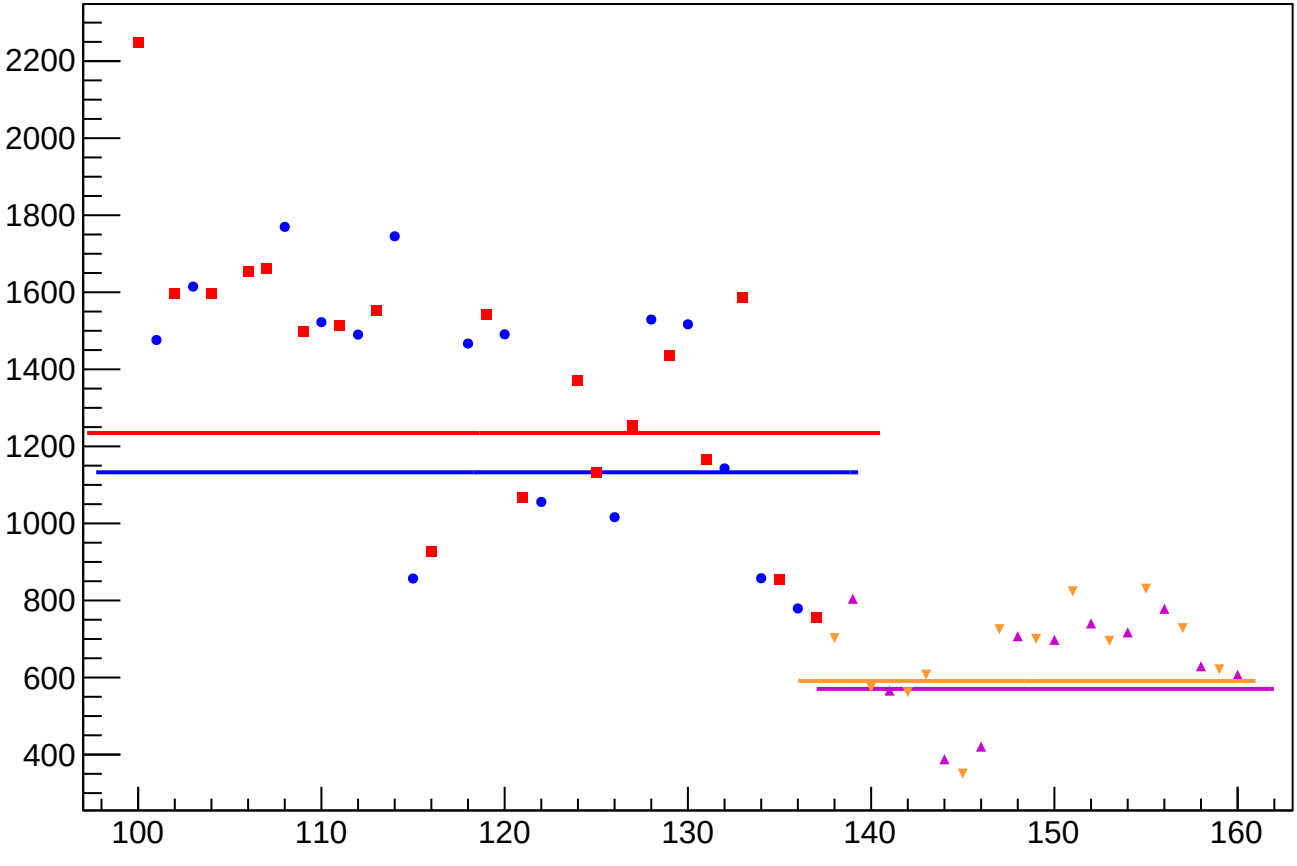
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -153.908+/-175.874 χ^2/NDF:33.4/26

Out: -482.976+/-183.321 χ^2/NDF:52.4/30

All: -311.624+/-126.913 χ^2/NDF: 87.4/57

asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.185+/-0.141 χ^2/NDF:1251896.8/11

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

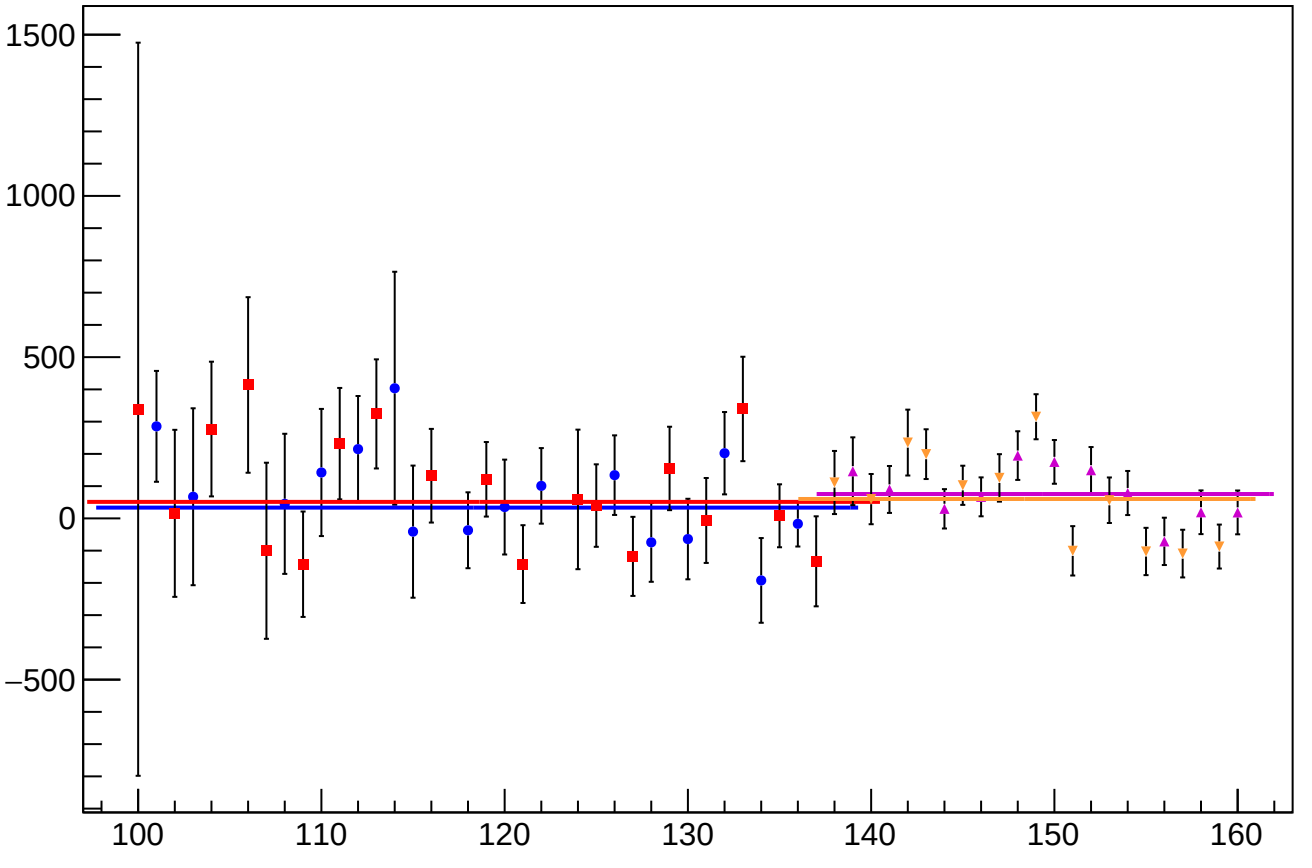
Left: 580.435+/-0.098 χ^2/NDF: 2425577.8/22

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 659.933+/-0.124 χ^2/NDF:5021308.8/26

Out: 689.698+/-0.130 χ^2/NDF:5323431.7/30

All: 674.199+/-0.090 χ^2/NDF: 10372195.4/57



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: 75.574+/-21.111 χ^2/NDF:12.2/10

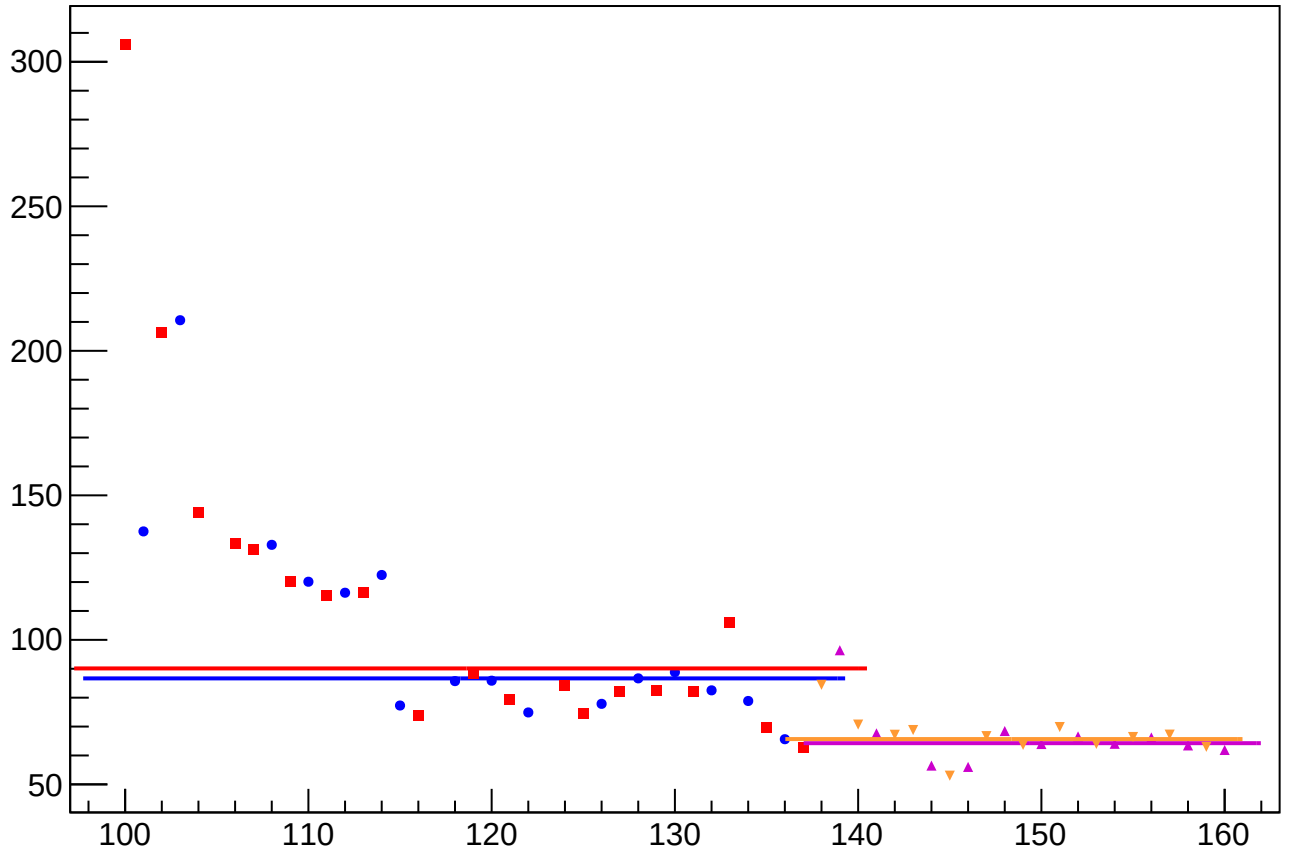
Left: 68.047+/-15.087 χ^2/NDF: 52.8/22

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 63.786+/-17.917 χ^2/NDF:26.1/26

Out: 57.697+/-18.341 χ^2/NDF:59.9/30

All: 60.813+/-12.817 χ^2/NDF: 86.1/57



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: 64.254+/-0.015 χ^2/NDF:273486.8/10

Left: 64.950+/-0.011 χ^2/NDF: 463776.2/22

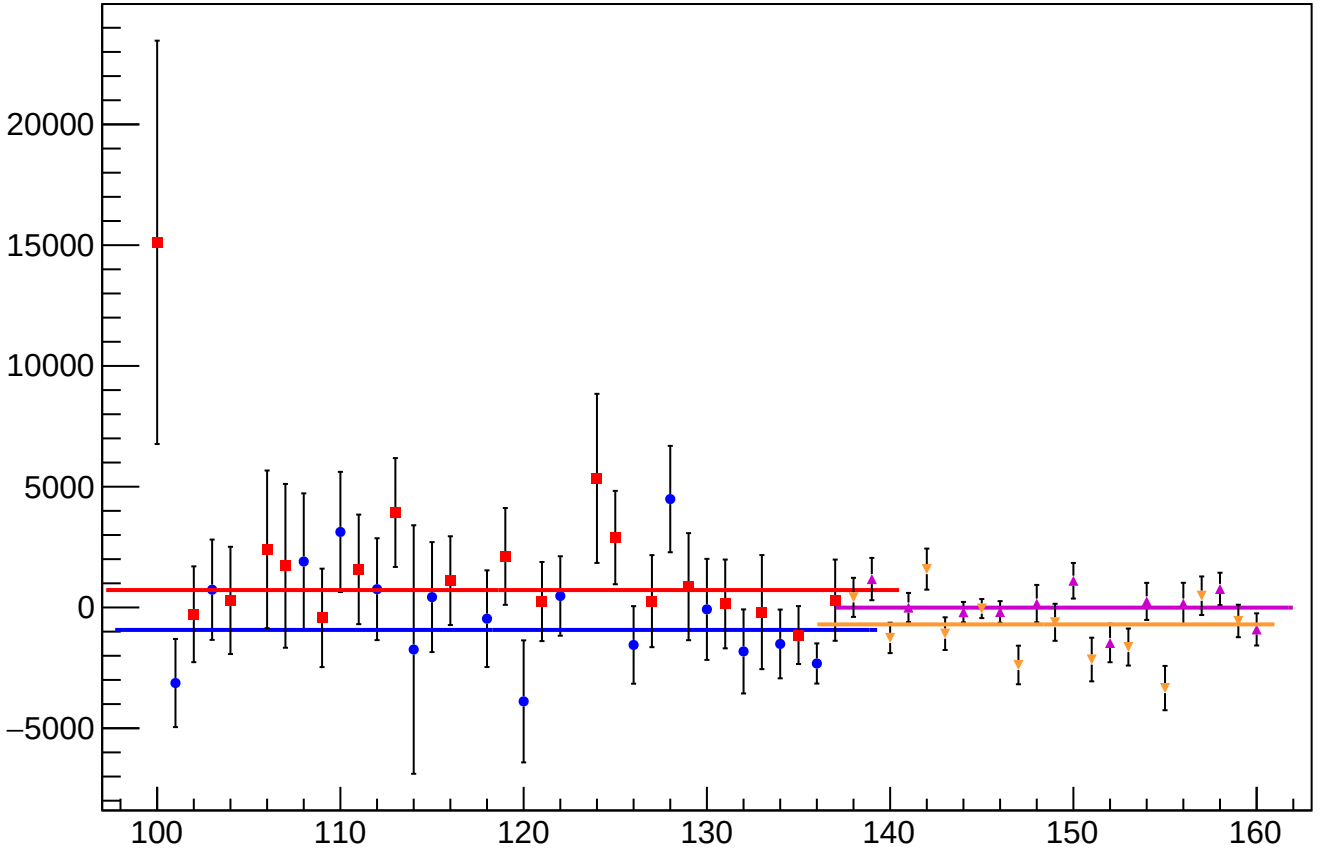
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.522+/-0.013 χ^2/NDF:1942729.1/26

Out: 72.444+/-0.013 χ^2/NDF:2042230.9/30

All: 71.460+/-0.009 χ^2/NDF: 3996197.0/57

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -7.084+/-191.795 χ^2/NDF:11.2/10

Left: -340.676+/-138.163 χ^2/NDF: 49.5/22

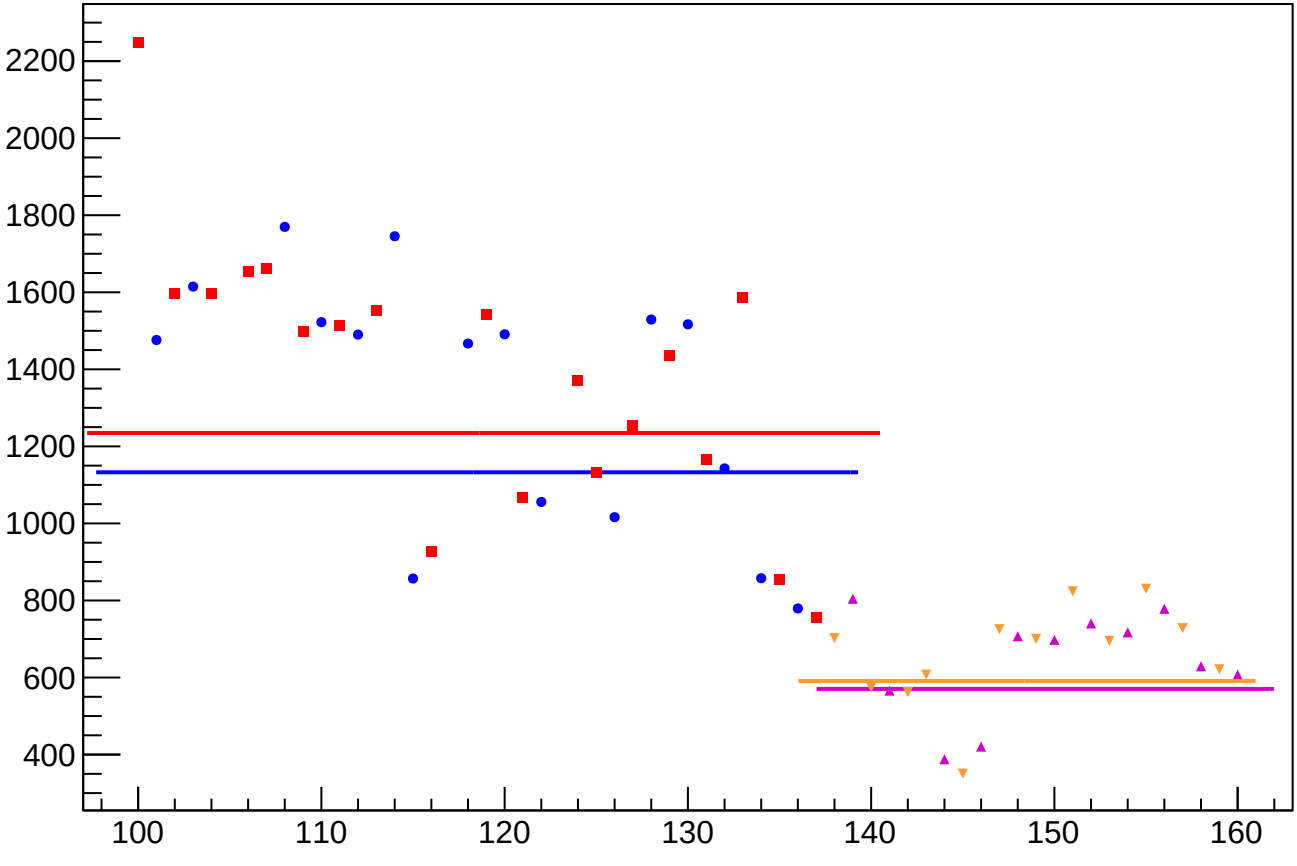
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -153.908+/-175.874 χ^2/NDF:33.4/26

Out: -482.976+/-183.321 χ^2/NDF:52.4/30

All: -311.624+/-126.913 χ^2/NDF: 87.4/57

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: 570.470+/-0.136 χ^2/NDF:1162457.9/10

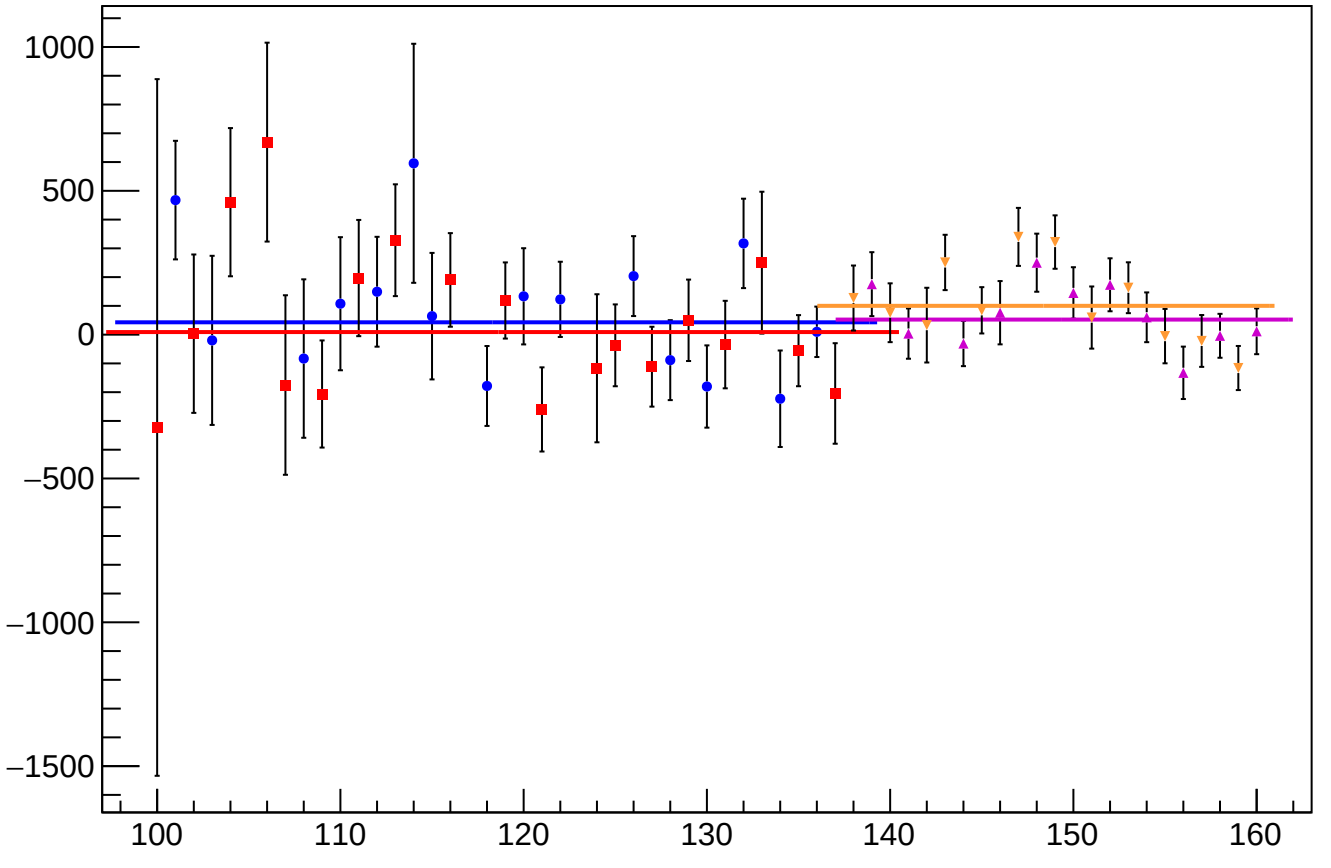
Left: 580.435+/-0.098 χ^2/NDF: 2425577.8/22

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 659.933+/-0.124 χ^2/NDF:5021308.8/26

Out: 689.698+/-0.130 χ^2/NDF:5323431.7/30

All: 674.199+/-0.090 χ^2/NDF: 10372195.4/57



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: 52.399+/-26.913 χ^2/NDF:14.3/10

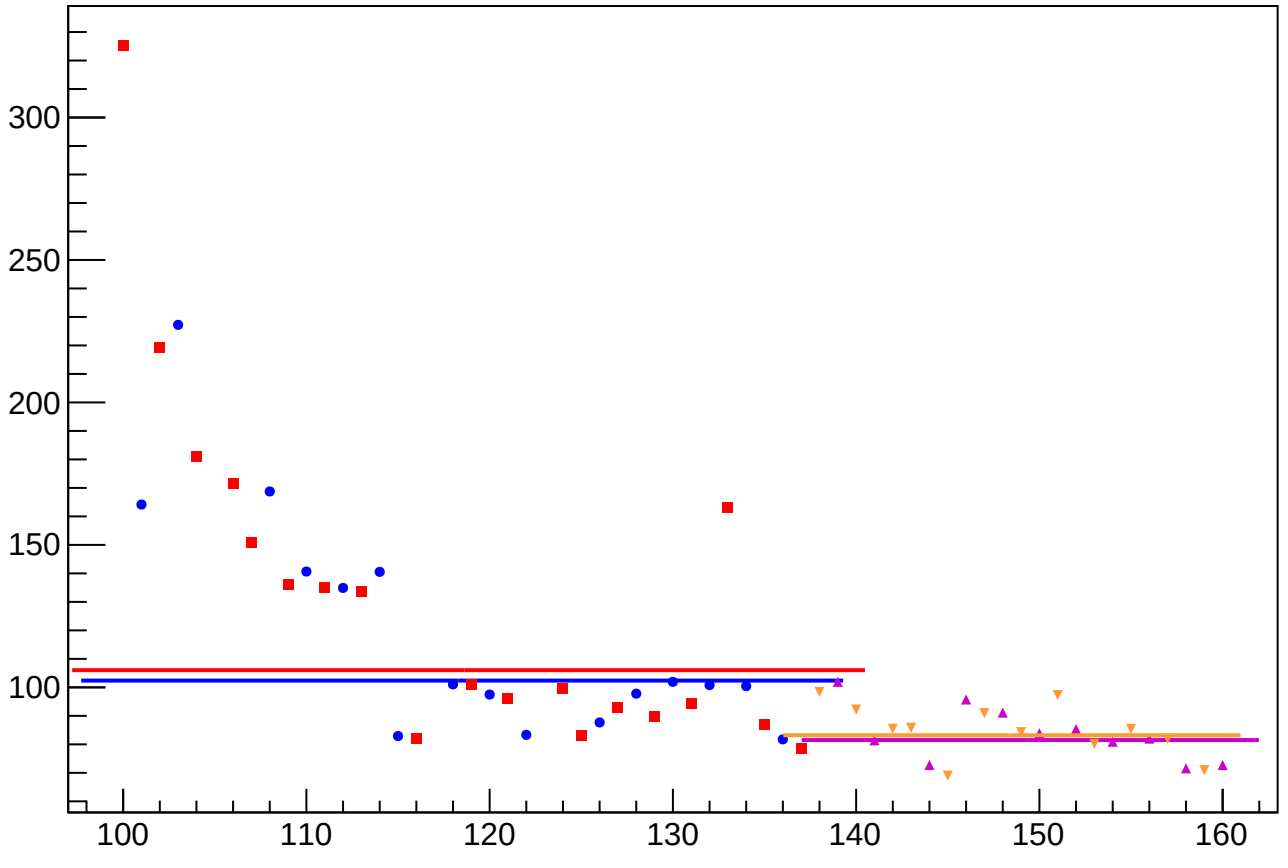
Left: 75.832+/-19.210 χ^2/NDF: 41.7/22

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 49.438+/-22.320 χ^2/NDF:34.6/26

Out: 72.037+/-22.808 χ^2/NDF:50.7/30

All: 60.493+/-15.952 χ^2/NDF: 85.8/57



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: 81.512+/-0.019 χ^2/NDF:207176.2/10

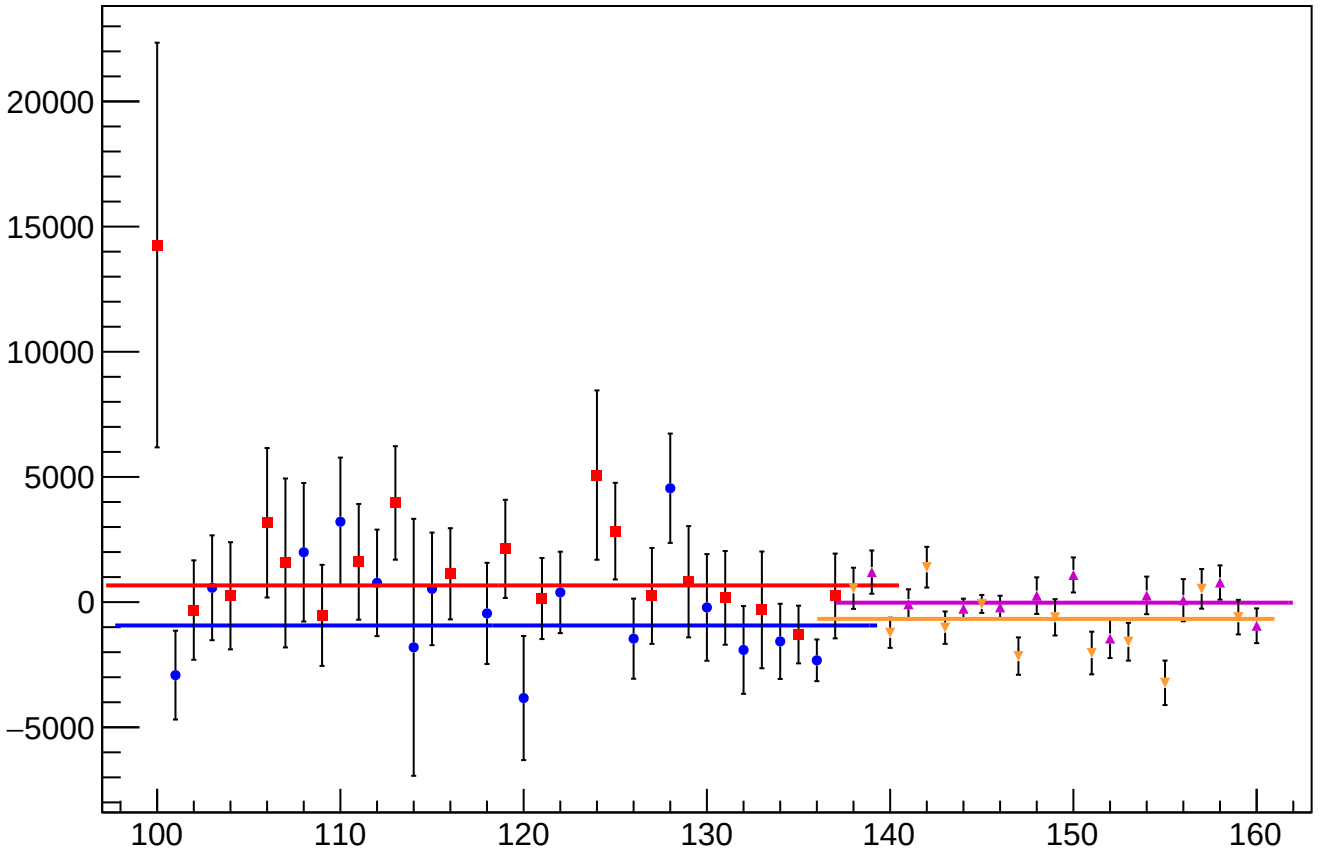
Left: 82.338+/-0.014 χ^2/NDF: 427977.5/22

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 88.026+/-0.016 χ^2/NDF:1564823.9/26

Out: 90.243+/-0.016 χ^2/NDF:1836014.9/30

All: 89.110+/-0.011 χ^2/NDF: 3410489.4/57



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: -22.515+/-189.088 χ^2/NDF:11.9/10

Left: -344.182+/-134.086 χ^2/NDF: 48.8/22

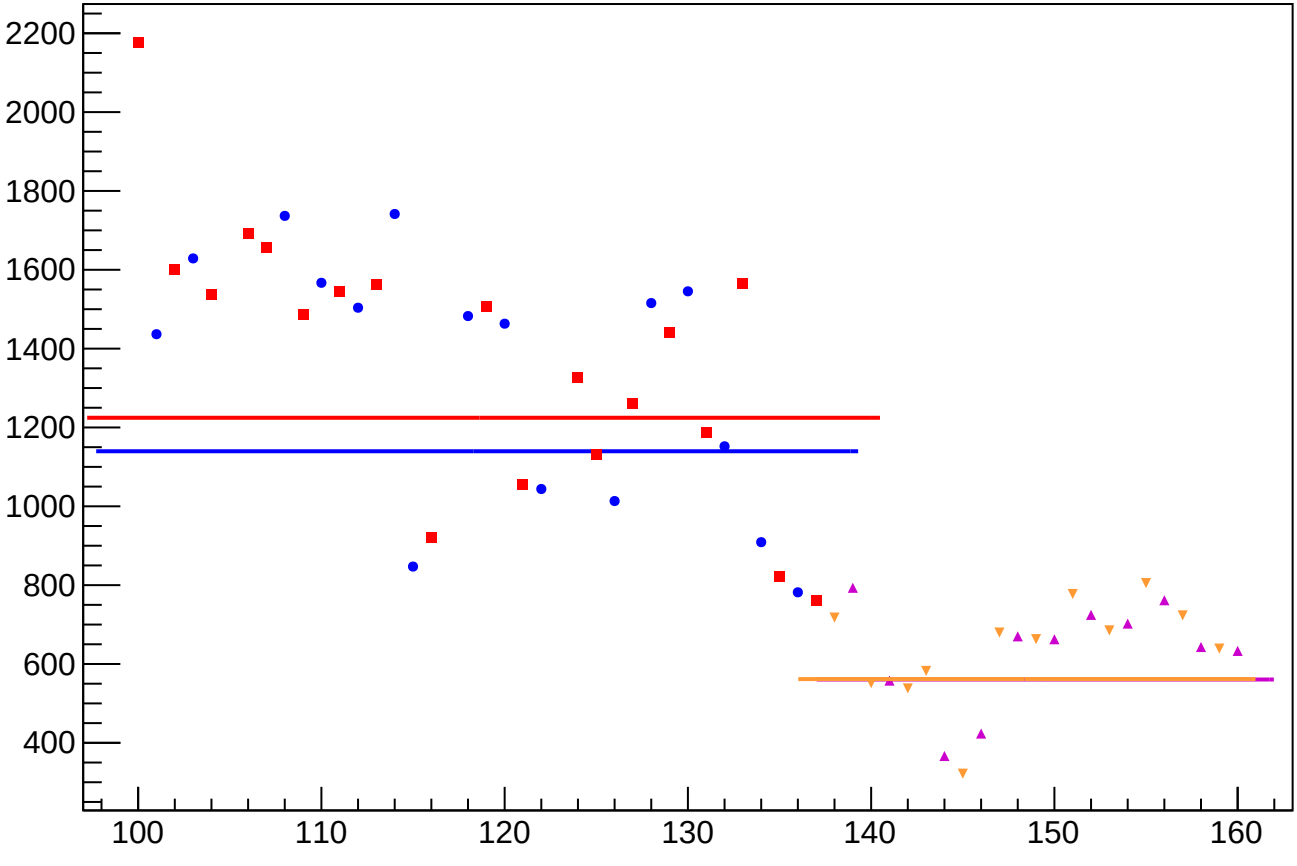
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -162.883+/-173.891 χ^2/NDF:33.9/26

Out: -476.544+/-175.922 χ^2/NDF:51.7/30

All: -317.893+/-123.671 χ^2/NDF: 87.2/57

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



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: 560.637+/-0.134 χ^2/NDF:1201425.0/10

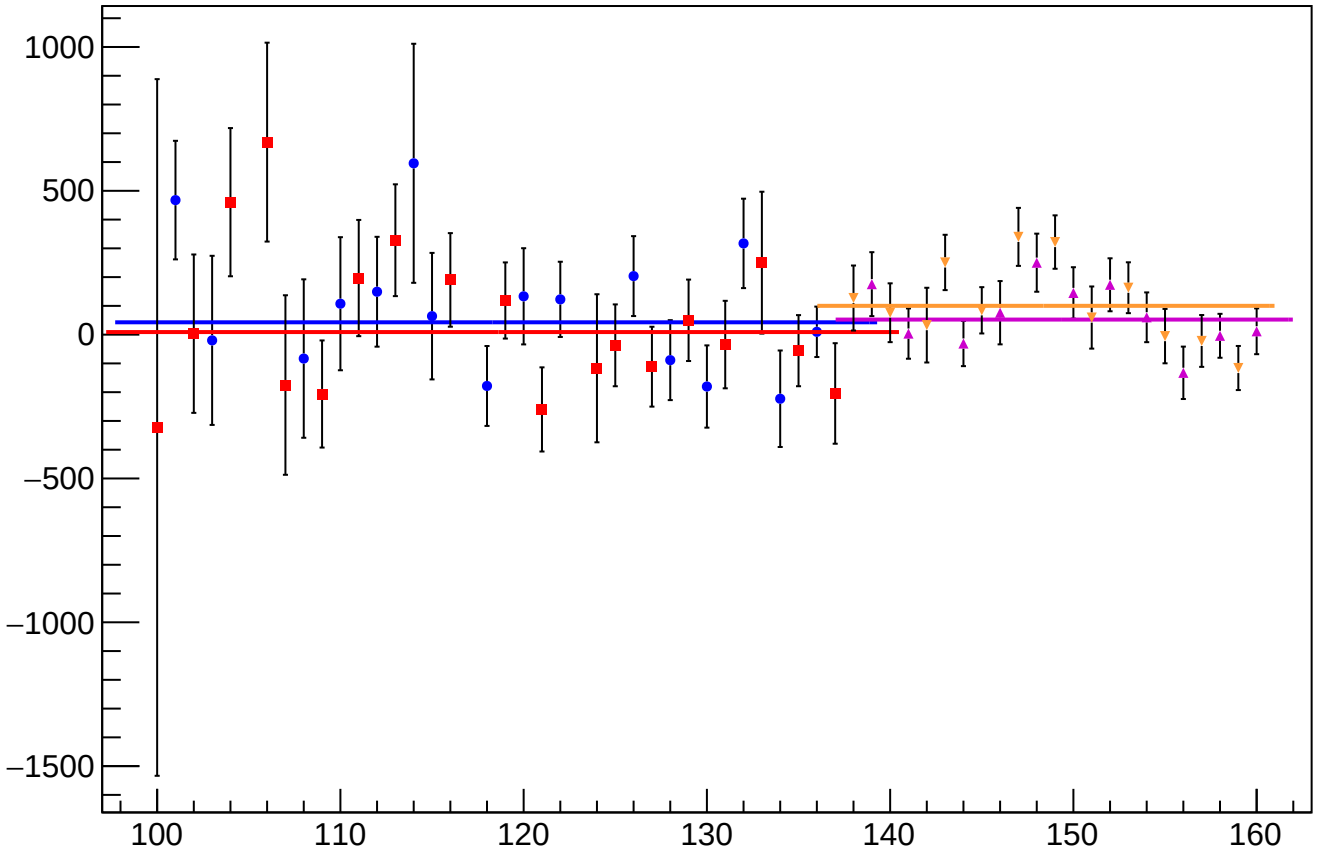
Left: 561.165+/-0.095 χ^2/NDF: 2700213.7/22

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 649.964+/-0.123 χ^2/NDF:5188056.8/26

Out: 657.319+/-0.124 χ^2/NDF:5926797.4/30

All: 653.599+/-0.087 χ^2/NDF: 11116622.5/57



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: 52.397+/-26.913 χ^2/NDF:14.3/10

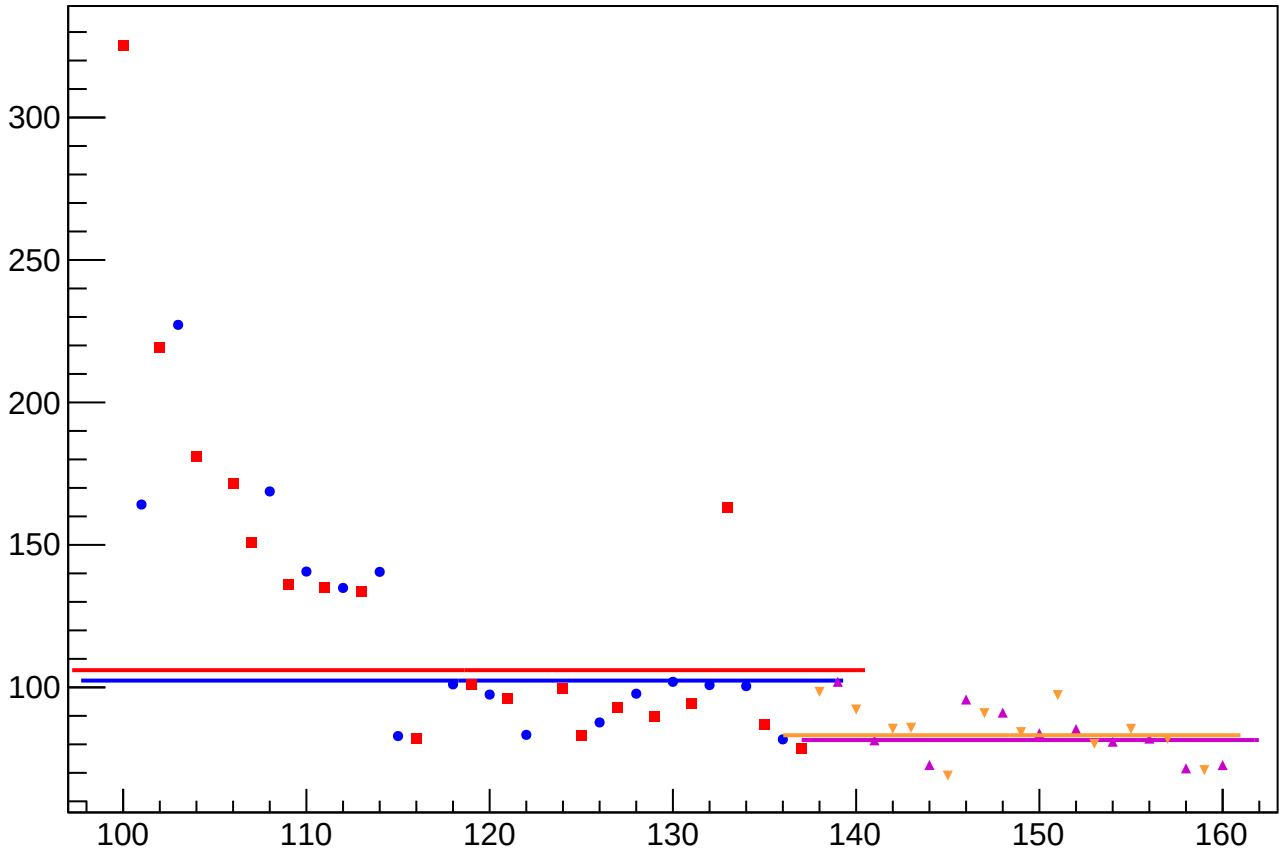
Left: 75.832+/-19.210 χ^2/NDF: 41.7/22

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 49.437+/-22.320 χ^2/NDF:34.6/26

Out: 72.037+/-22.808 χ^2/NDF:50.7/30

All: 60.492+/-15.953 χ^2/NDF: 85.8/57



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: 81.512+/-0.019 χ^2/NDF:207181.0/10

Left: 82.338+/-0.014 χ^2/NDF: 427980.1/22

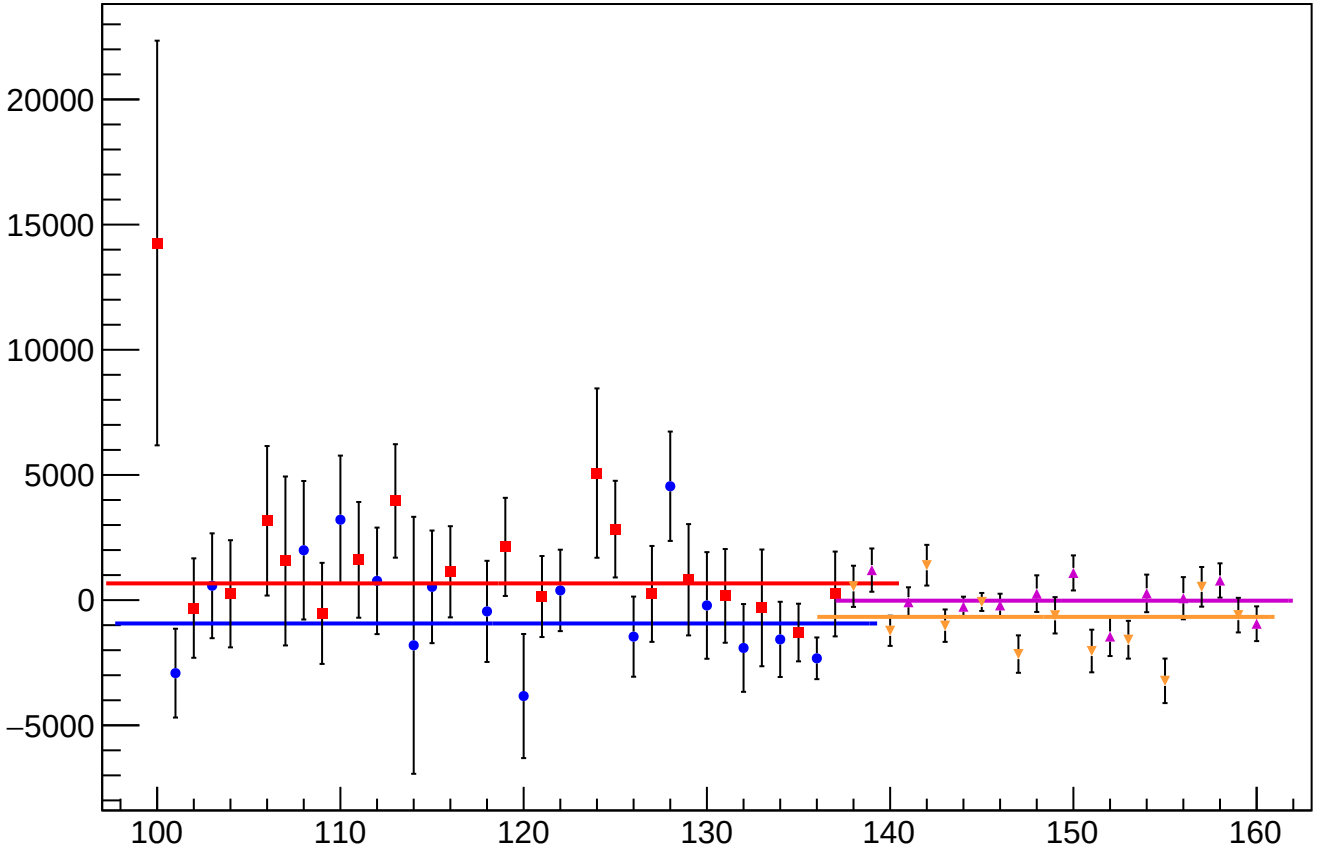
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 88.026+/-0.016 χ^2/NDF:1564808.5/26

Out: 90.243+/-0.016 χ^2/NDF:1835998.6/30

All: 89.111+/-0.011 χ^2/NDF: 3410458.6/57

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: -22.516+/-189.087 χ^2/NDF:11.9/10

Left: -344.182+/-134.086 χ^2/NDF: 48.8/22

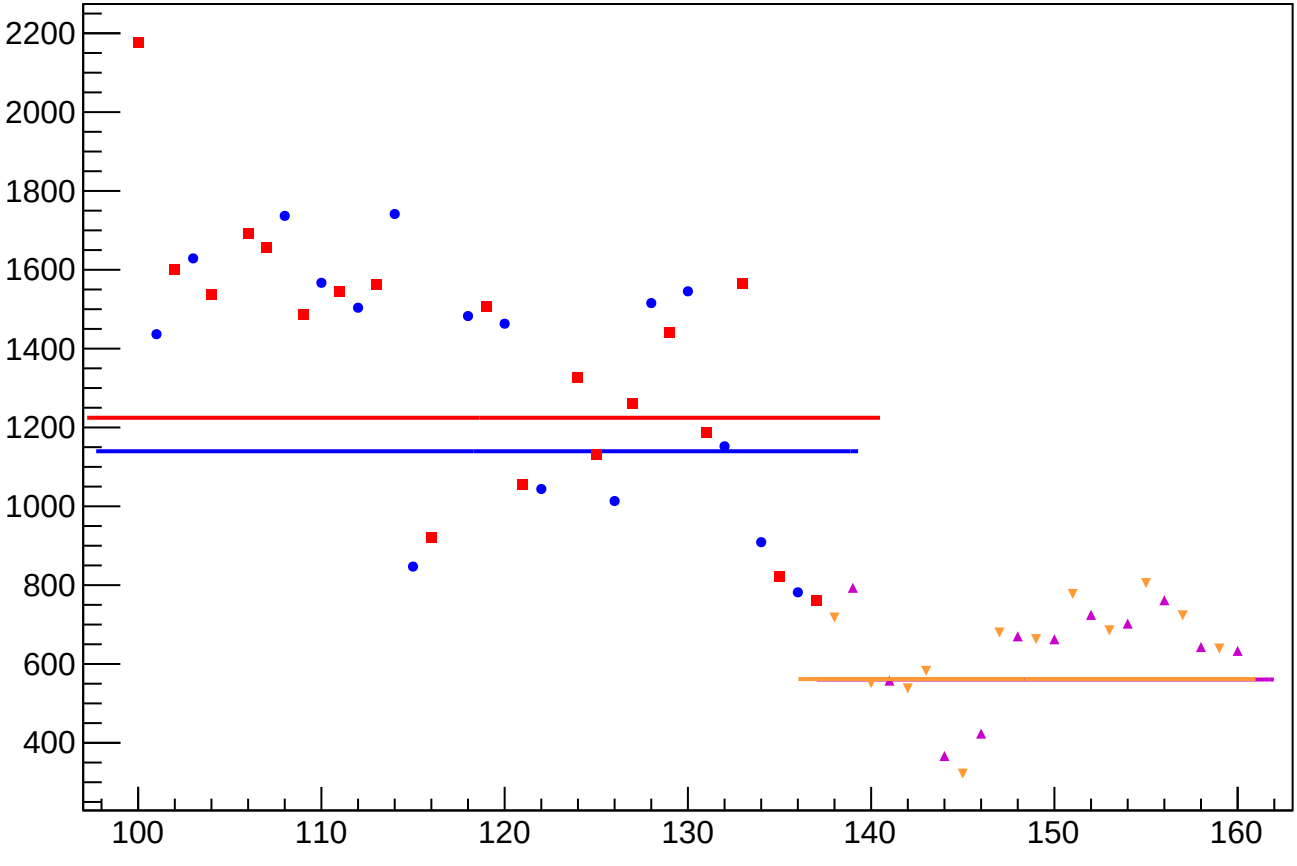
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -162.883+/-173.891 χ^2/NDF:33.9/26

Out: -476.543+/-175.922 χ^2/NDF:51.7/30

All: -317.893+/-123.671 χ^2/NDF: 87.2/57

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 560.636+/-0.134 χ^2/NDF:1201430.8/10

Left: 561.163+/-0.095 χ^2/NDF: 2700238.5/22

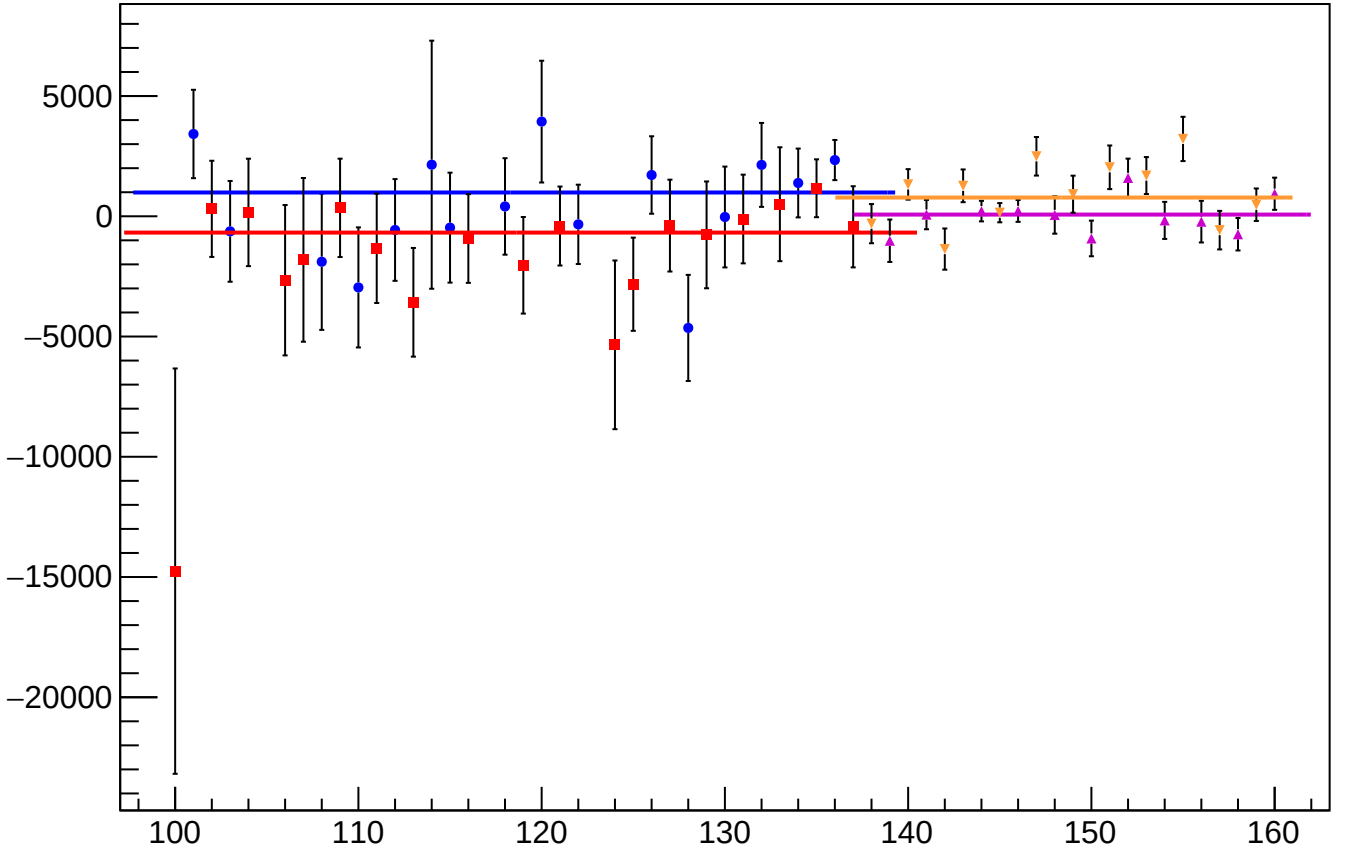
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 649.963+/-0.123 χ^2/NDF:5188053.9/26

Out: 657.318+/-0.124 χ^2/NDF:5926814.4/30

All: 653.598+/-0.087 χ^2/NDF: 11116636.3/57

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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: 70.794+/-193.249 χ^2/NDF:10.5/10

Left: 411.716+/-139.197 χ^2/NDF: 46.8/22

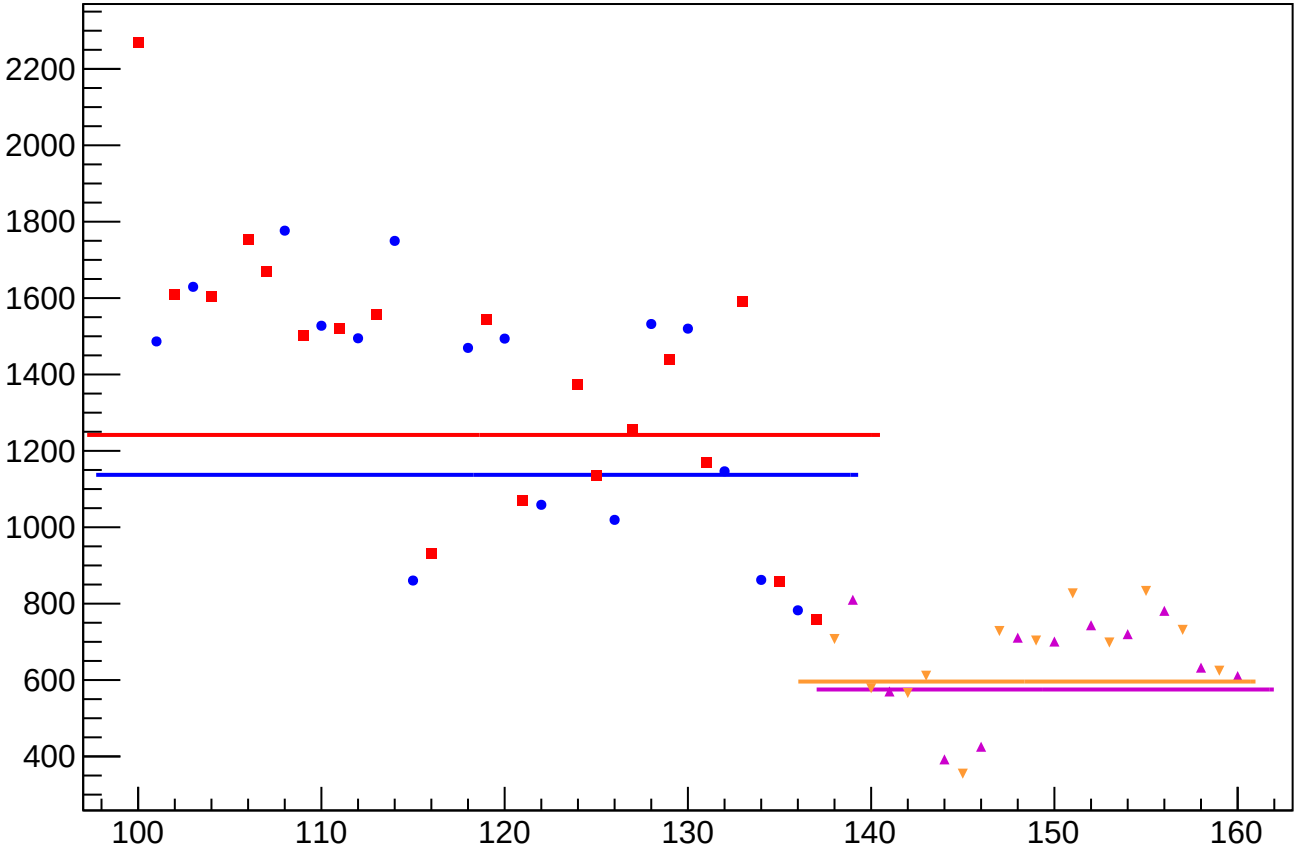
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 217.844+/-177.105 χ^2/NDF:33.2/26

Out: 554.401+/-184.531 χ^2/NDF:49.8/30

All: 379.215+/-127.777 χ^2/NDF: 84.7/57

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: 575.227+/-0.137 χ^2/NDF:1136569.9/10

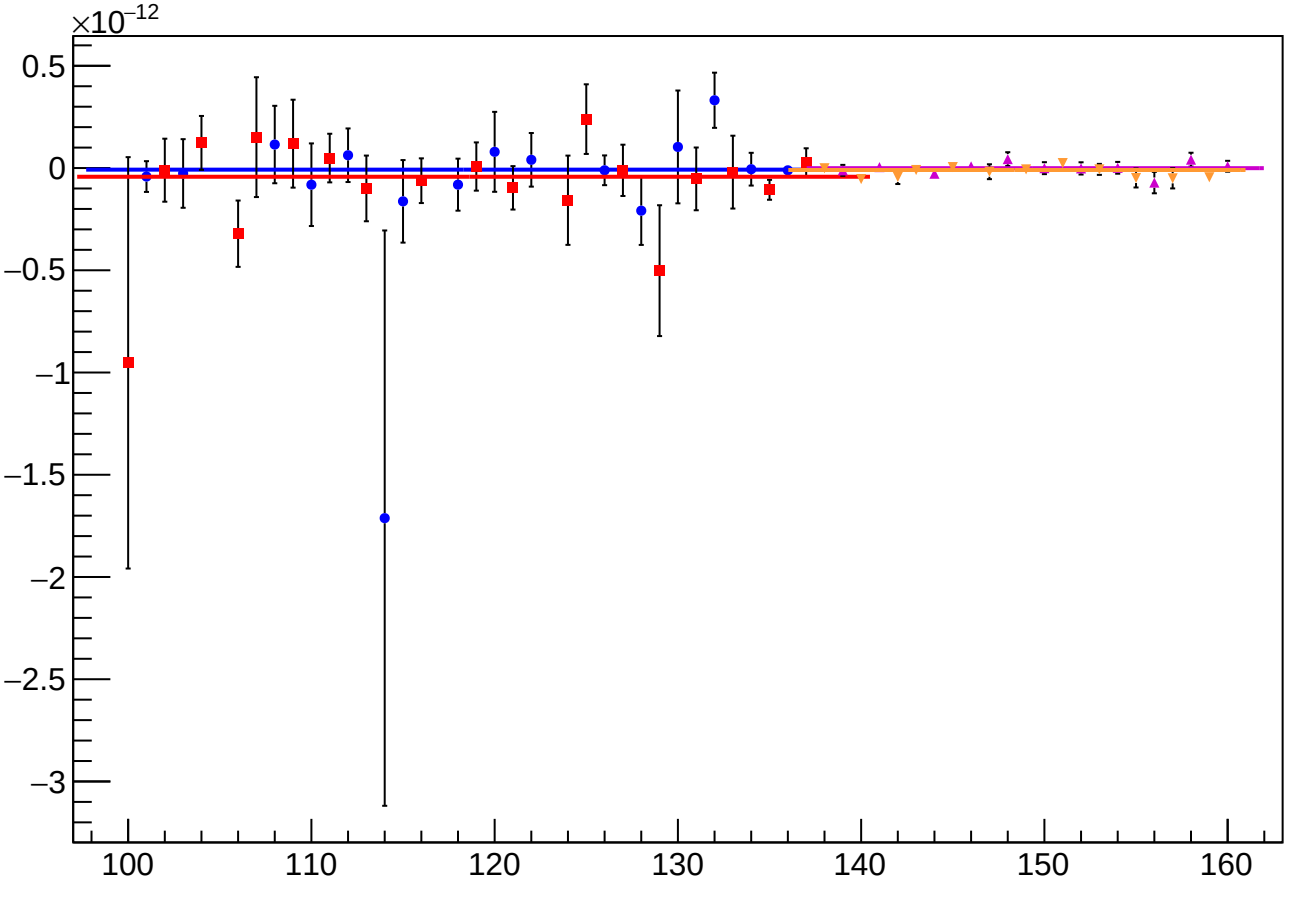
Left: 585.241+/-0.098 χ^2/NDF: 2369135.7/22

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 665.198+/-0.125 χ^2/NDF:4968152.2/26

Out: 695.717+/-0.130 χ^2/NDF:5317321.2/30

All: 679.831+/-0.090 χ^2/NDF: 10313948.1/57



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:8.4/10

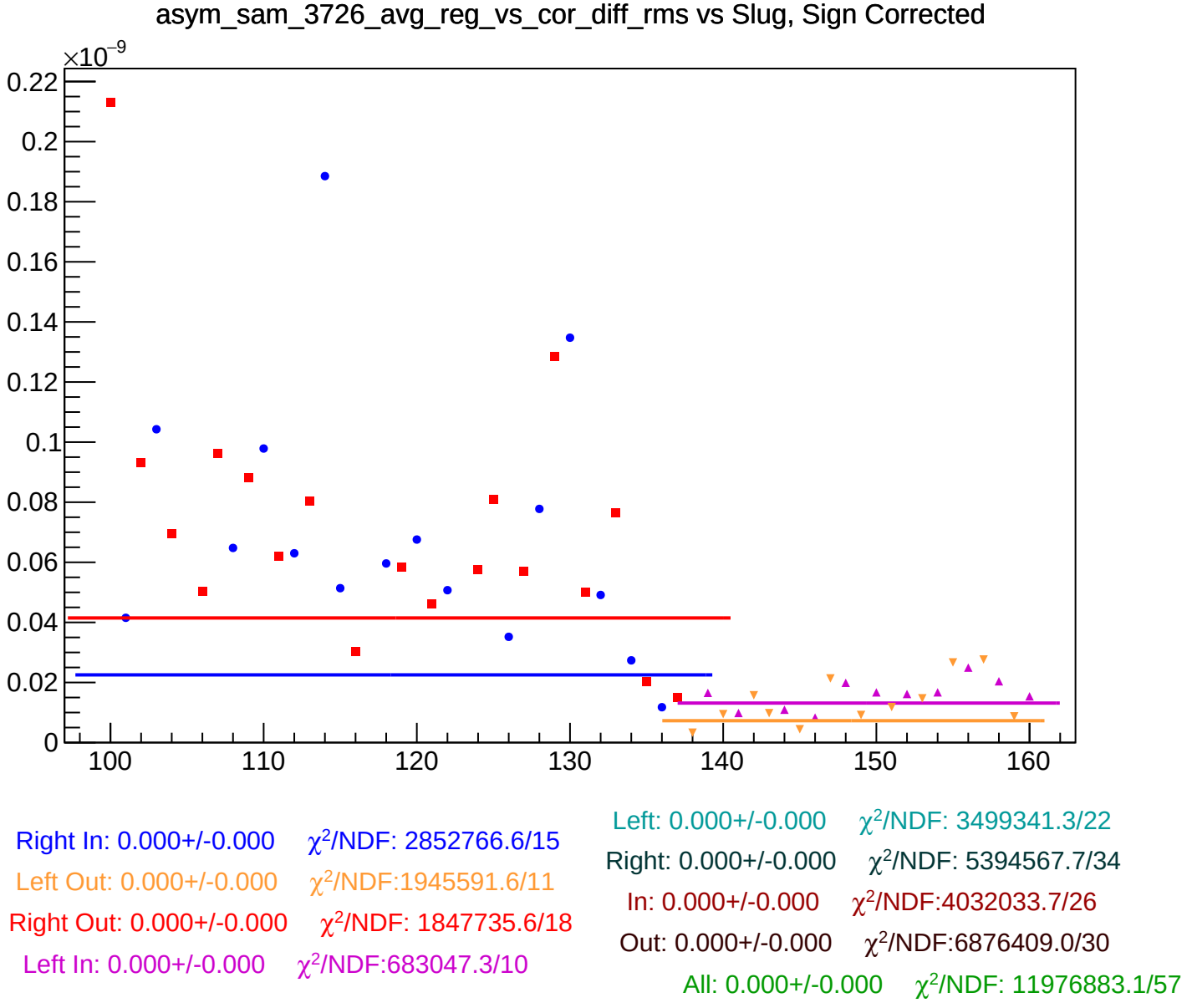
Left: -0.000+/-0.000 χ^2/NDF: 27.1/22

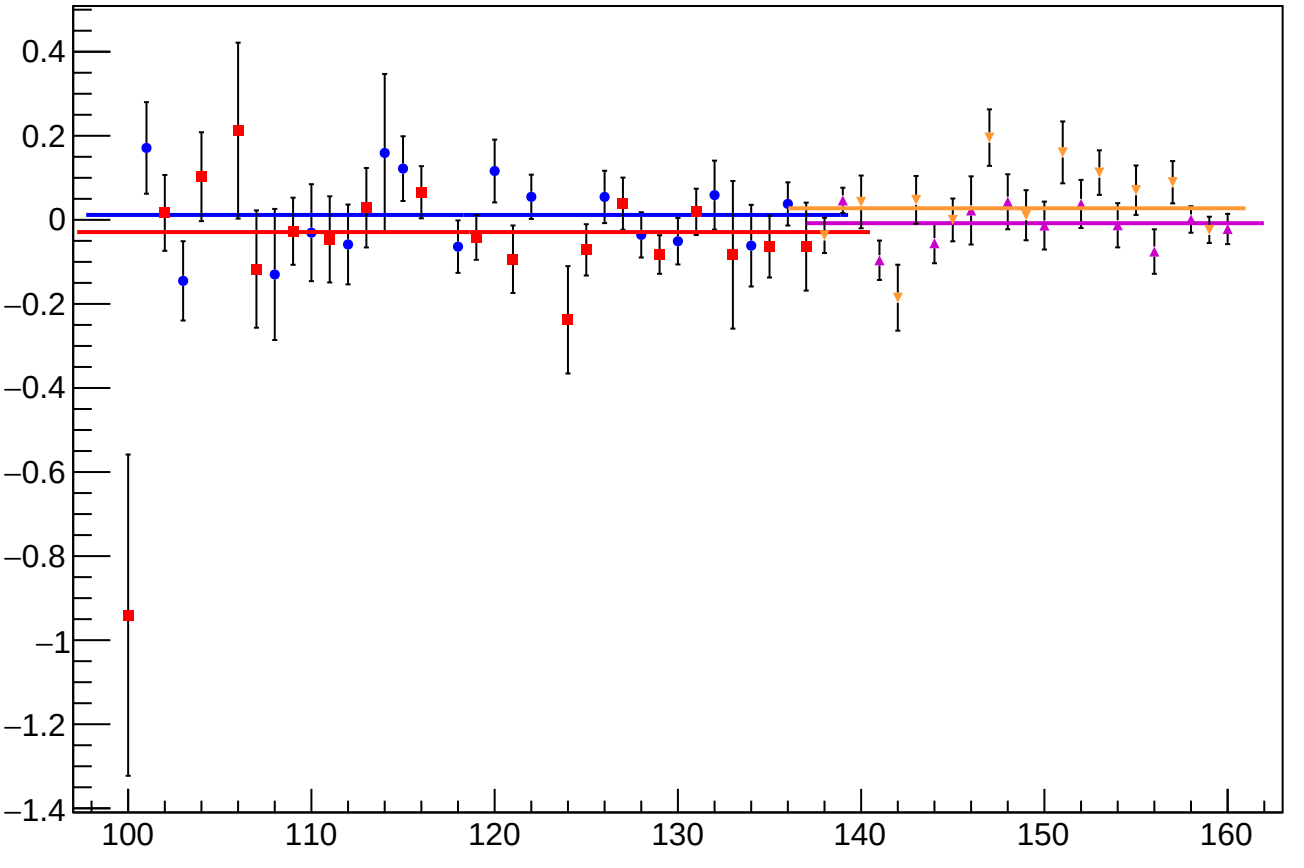
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.2/26

Out: -0.000+/-0.000 χ^2/NDF:34.7/30

All: -0.000+/-0.000 χ^2/NDF: 56.1/57


asym_sam_3726_avg_reg_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
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1945591.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:683047.3/10
Left: 0.000+/-0.000 χ²/NDF: 3499341.3/22
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:4032033.7/26
Out: 0.000+/-0.000 χ²/NDF:6876409.0/30
All: 0.000+/-0.000 χ²/NDF: 11976883.1/57



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: -0.008+/-0.013 χ^2/NDF:11.0/10

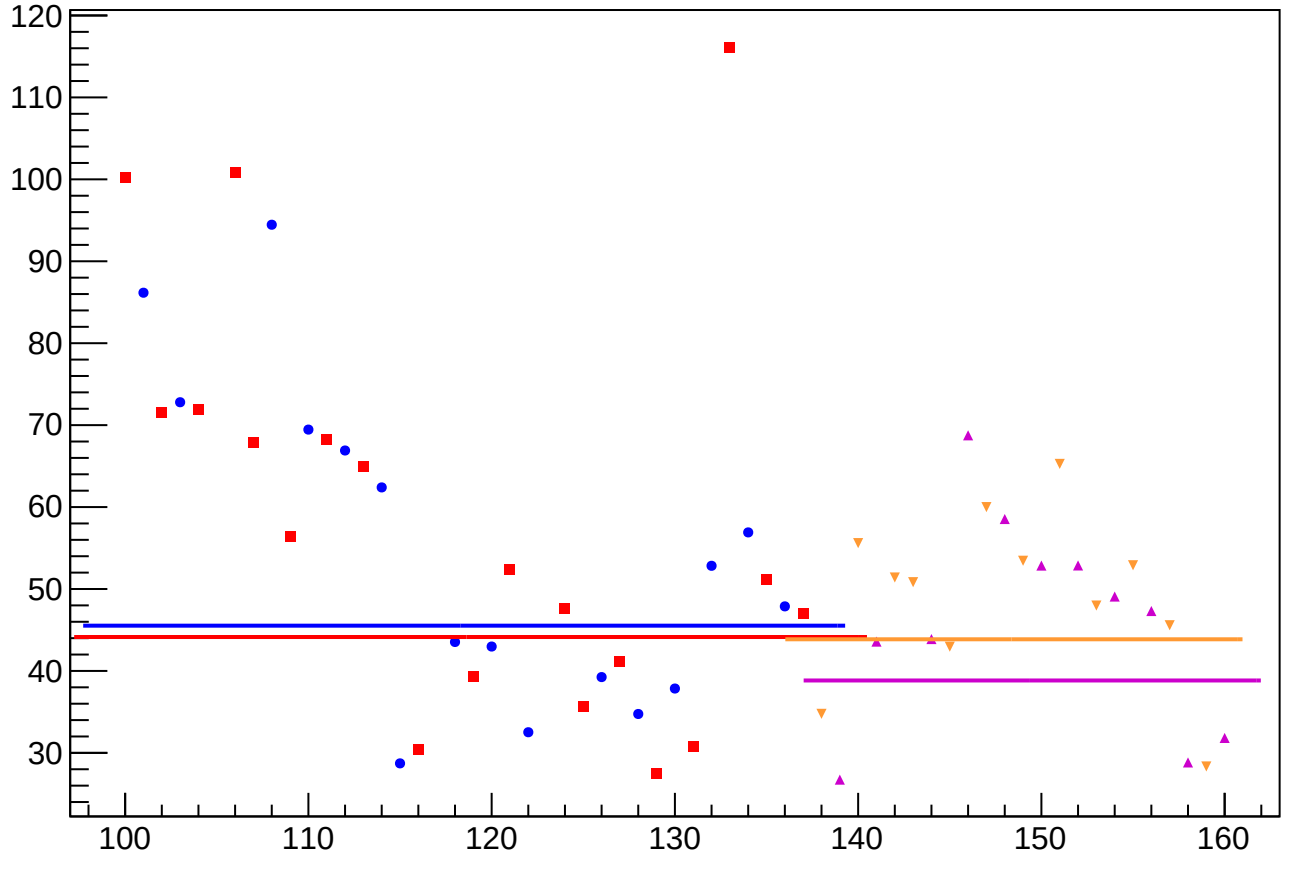
Left: 0.008+/-0.010 χ^2/NDF: 41.2/22

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.001+/-0.008 χ^2/NDF: 81.2/57



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: 38.836+/-0.010 χ^2/NDF:1466126.3/10

Left: 41.078+/-0.007 χ^2/NDF: 2691825.5/22

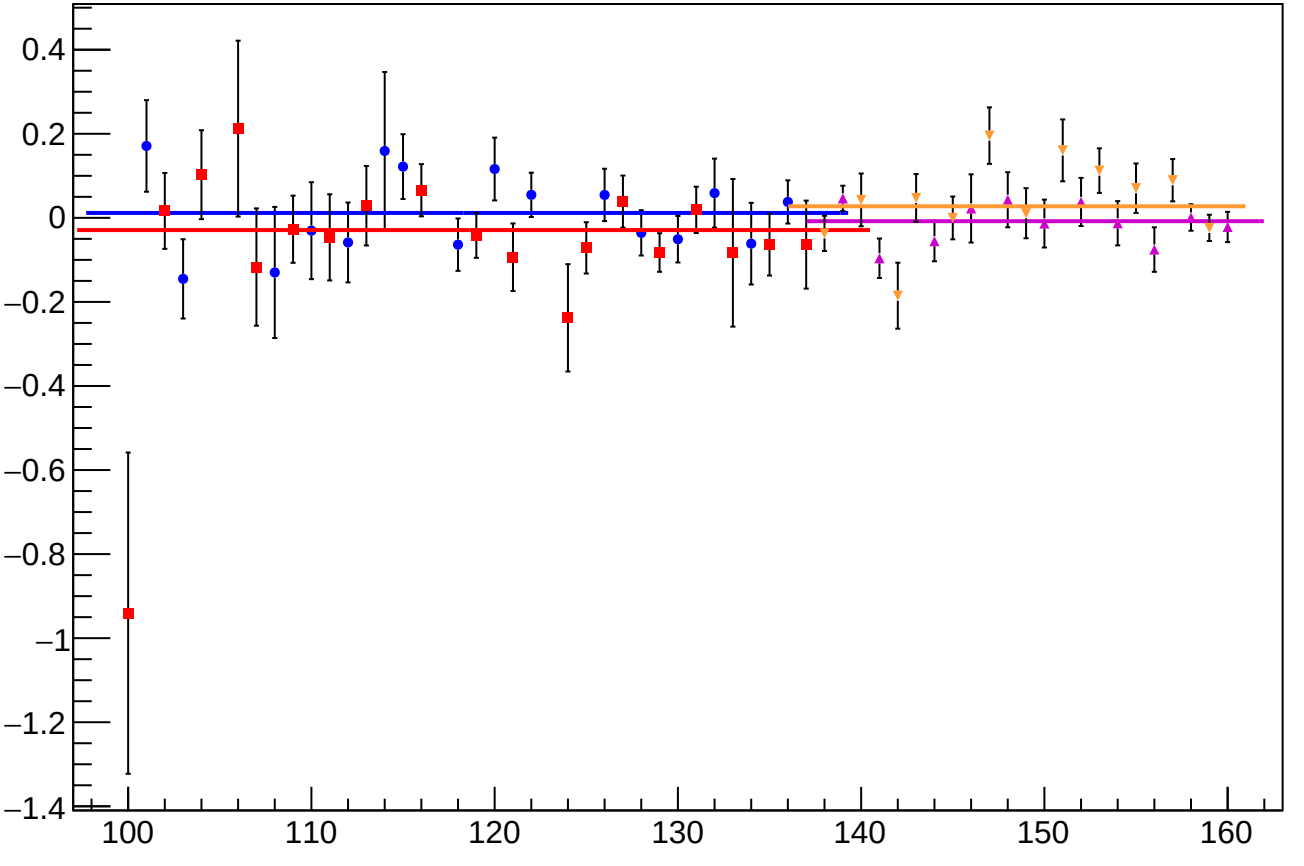
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.188+/-0.008 χ^2/NDF:2893001.6/26

Out: 43.978+/-0.008 χ^2/NDF:2845533.6/30

All: 42.502+/-0.006 χ^2/NDF: 5800713.8/57

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: -0.008+/-0.013 χ^2/NDF:11.0/10

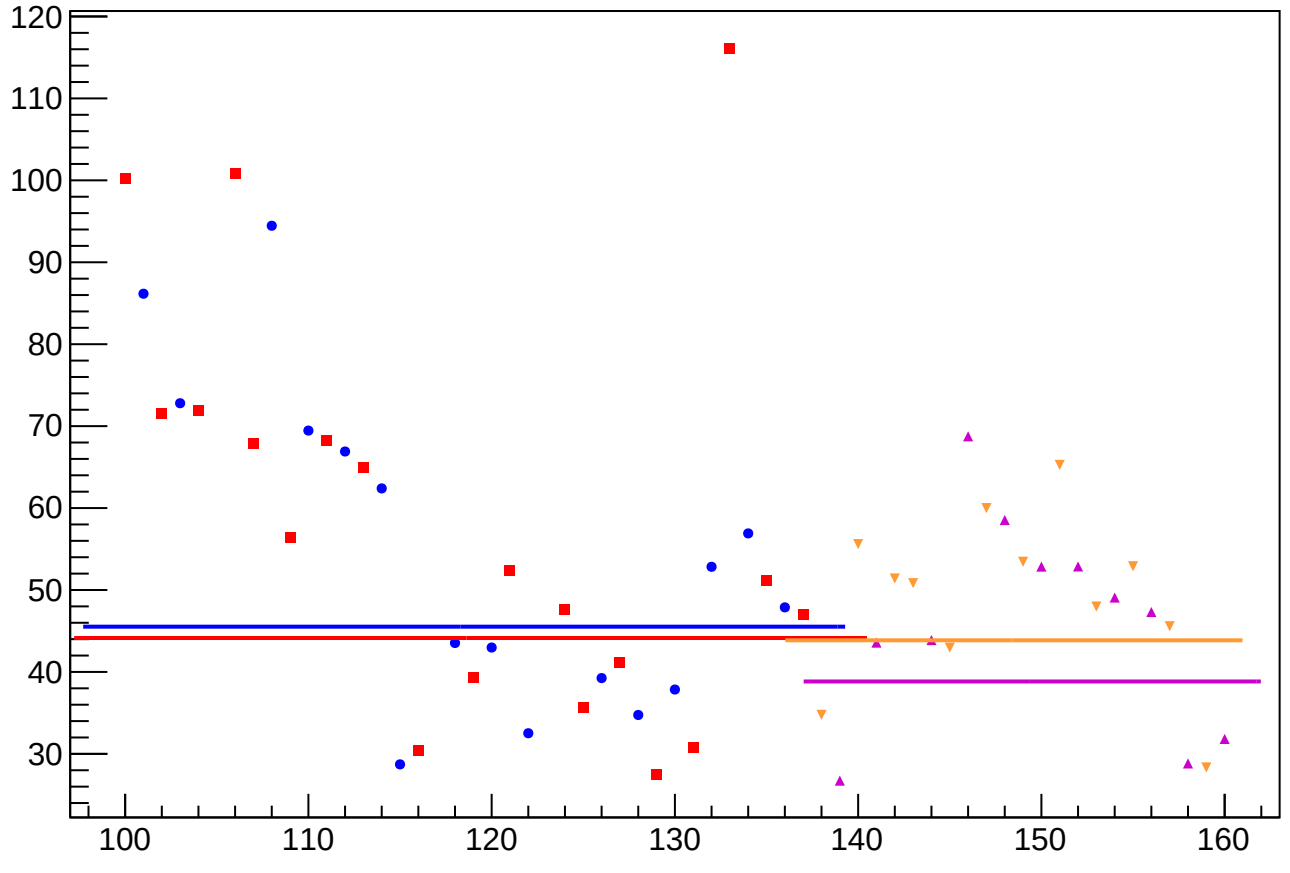
Left: 0.008+/-0.010 χ^2/NDF: 41.2/22

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.001+/-0.008 χ^2/NDF: 81.2/57



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: 38.836+/-0.010 χ^2/NDF:1466126.3/10

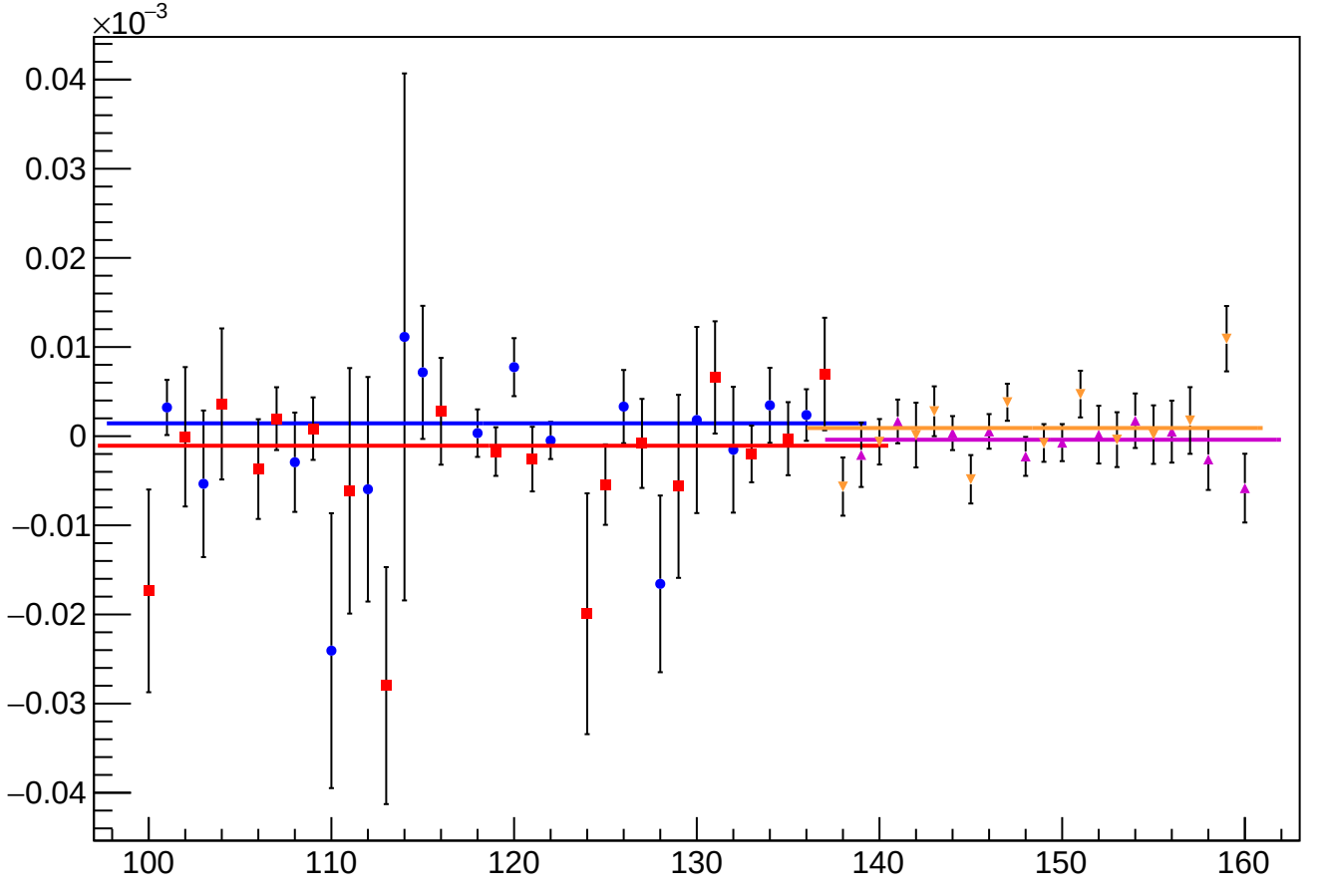
Left: 41.078+/-0.007 χ^2/NDF: 2691825.5/22

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.188+/-0.008 χ^2/NDF:2893001.6/26

Out: 43.978+/-0.008 χ^2/NDF:2845533.6/30

All: 42.502+/-0.006 χ^2/NDF: 5800713.8/57



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:5.0/10

Left: 0.000+/-0.000 χ^2/NDF: 28.2/22

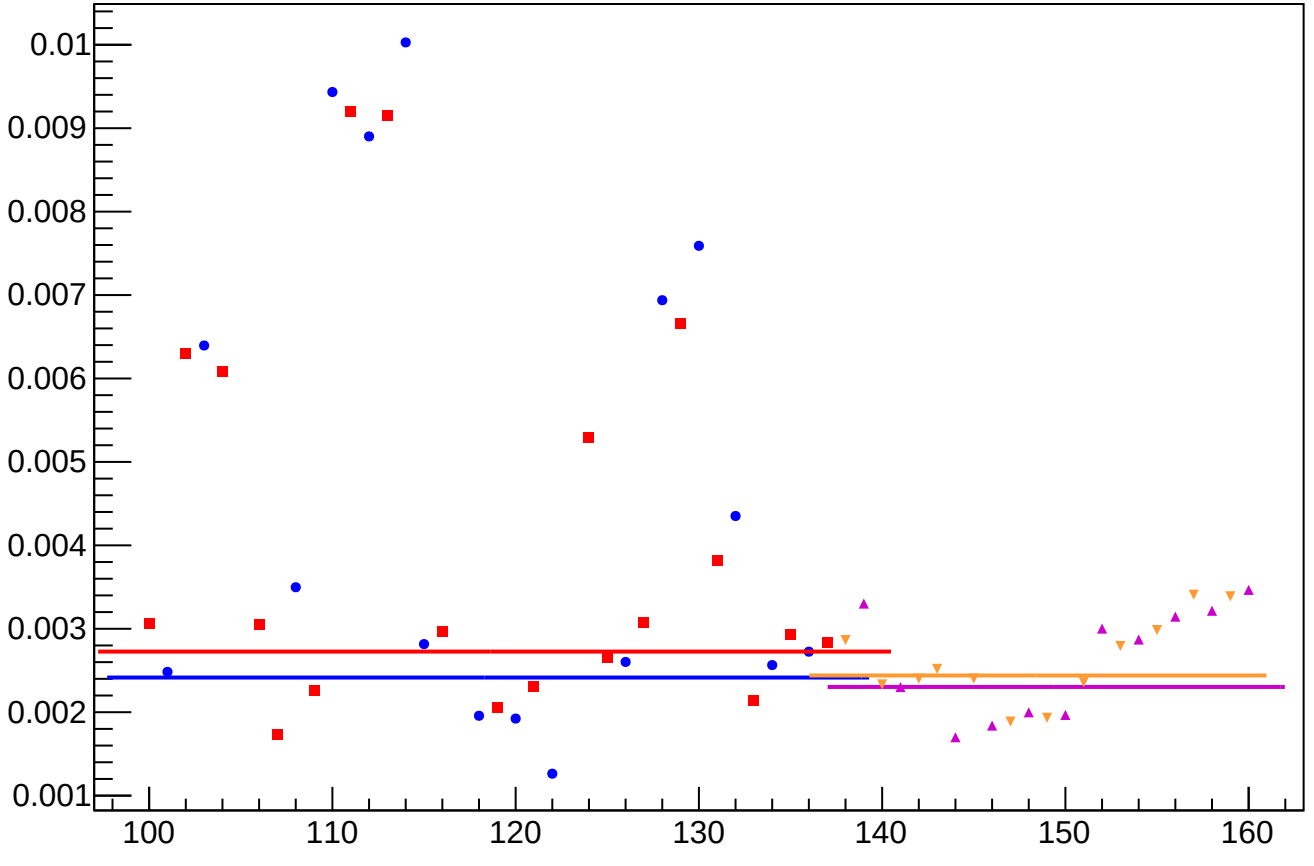
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/26

Out: 0.000+/-0.000 χ^2/NDF:38.7/30

All: 0.000+/-0.000 χ^2/NDF: 59.9/57

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:1161133.0/10

Left: 0.002+/-0.000 χ^2/NDF: 1838534.8/22

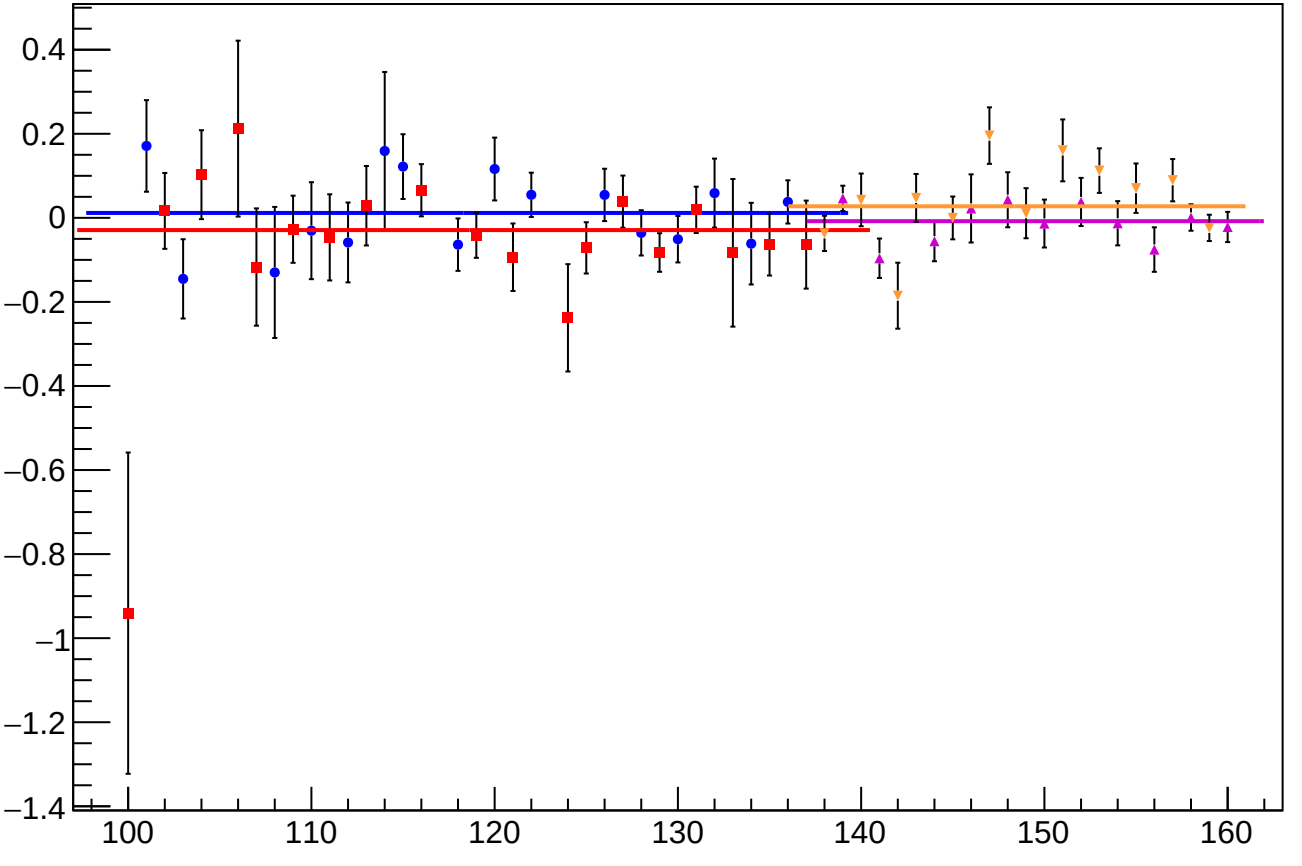
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4608315.5/26

Out: 0.003+/-0.000 χ^2/NDF:3238177.4/30

All: 0.002+/-0.000 χ^2/NDF: 7939554.7/57

asym_sam_3726_avg_eigen_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: -0.008+/-0.013 χ^2/NDF:11.0/10

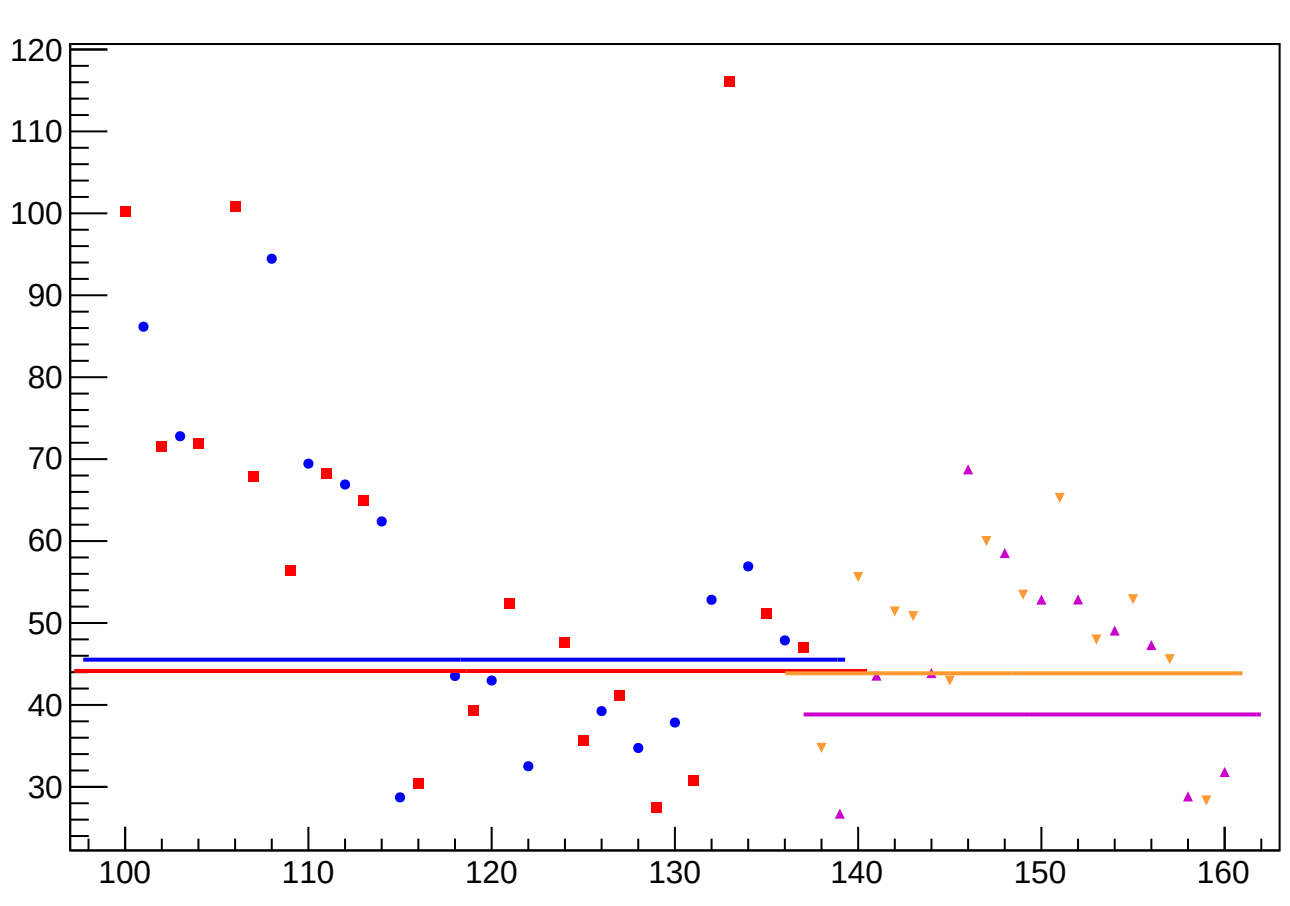
Left: 0.008+/-0.010 χ^2/NDF: 41.2/22

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.001+/-0.008 χ^2/NDF: 81.3/57



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: 38.836+/-0.010 χ^2/NDF:1466174.2/10

Left: 41.078+/-0.007 χ^2/NDF: 2691925.5/22

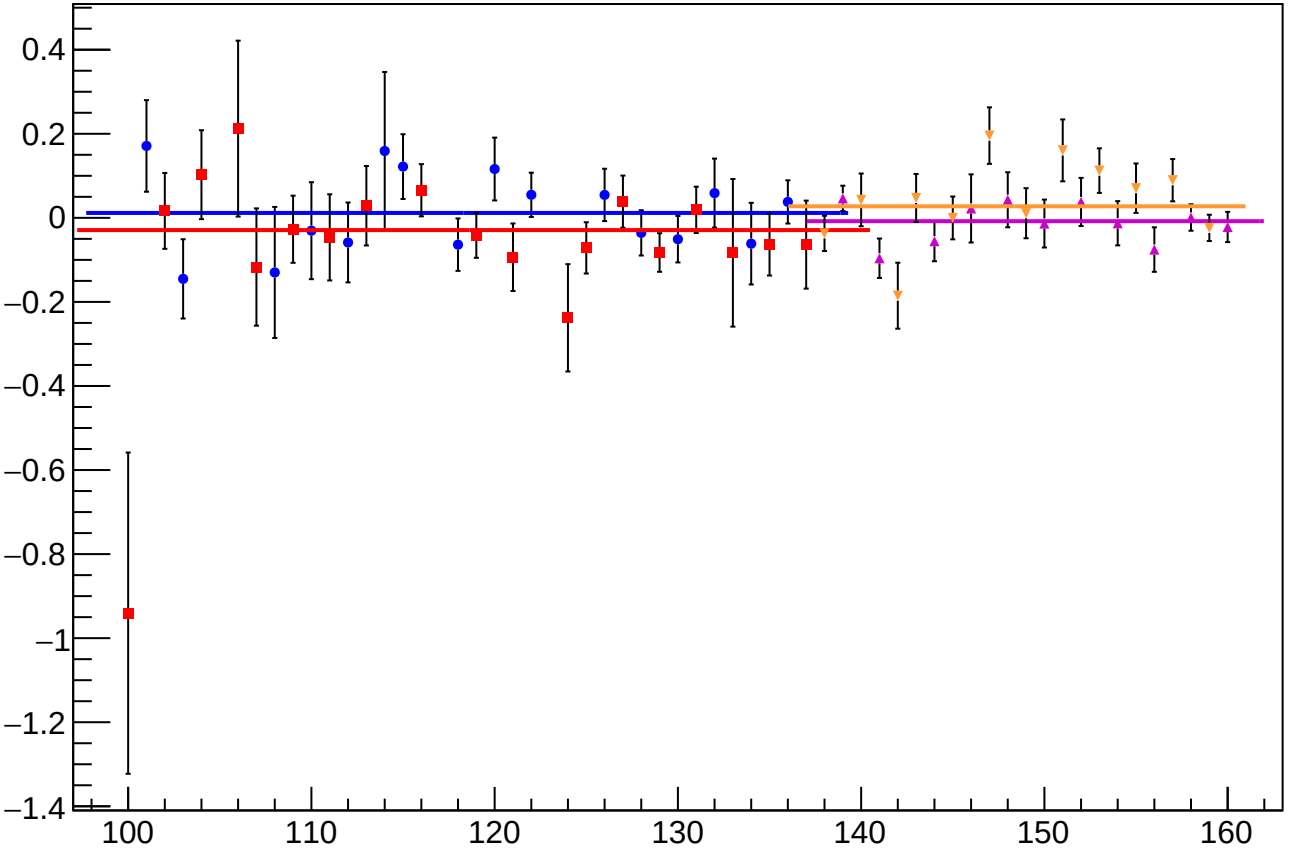
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.188+/-0.008 χ^2/NDF:2892996.3/26

Out: 43.978+/-0.008 χ^2/NDF:2845502.8/30

All: 42.503+/-0.006 χ^2/NDF: 5800684.9/57

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: -0.008+/-0.013 χ^2/NDF:11.0/10

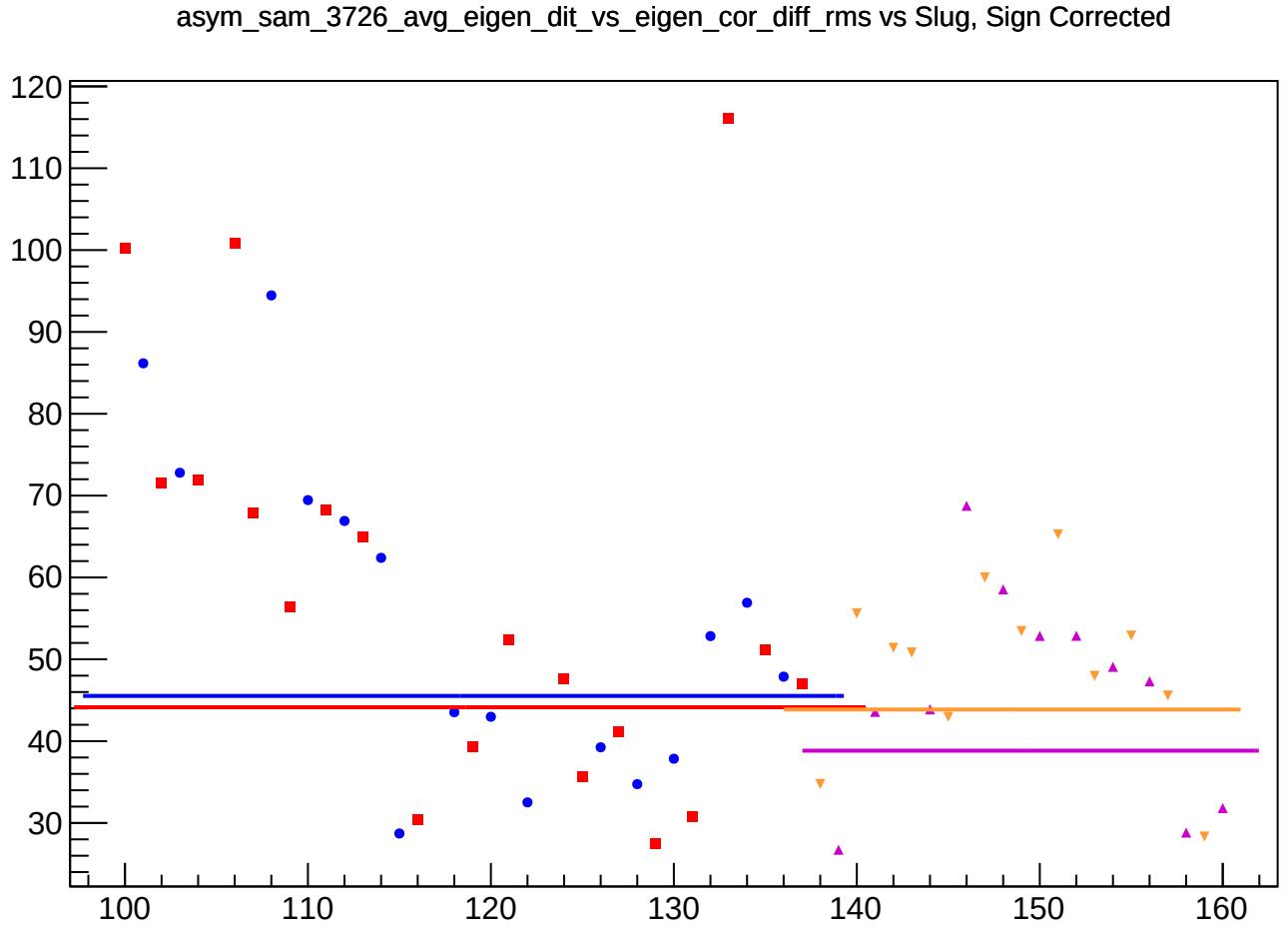
Left: 0.008+/-0.010 χ^2/NDF: 41.2/22

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.004+/-0.012 χ^2/NDF:52.5/30

All: 0.001+/-0.008 χ^2/NDF: 81.3/57



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: 38.836+/-0.010 χ^2/NDF:1466174.2/10

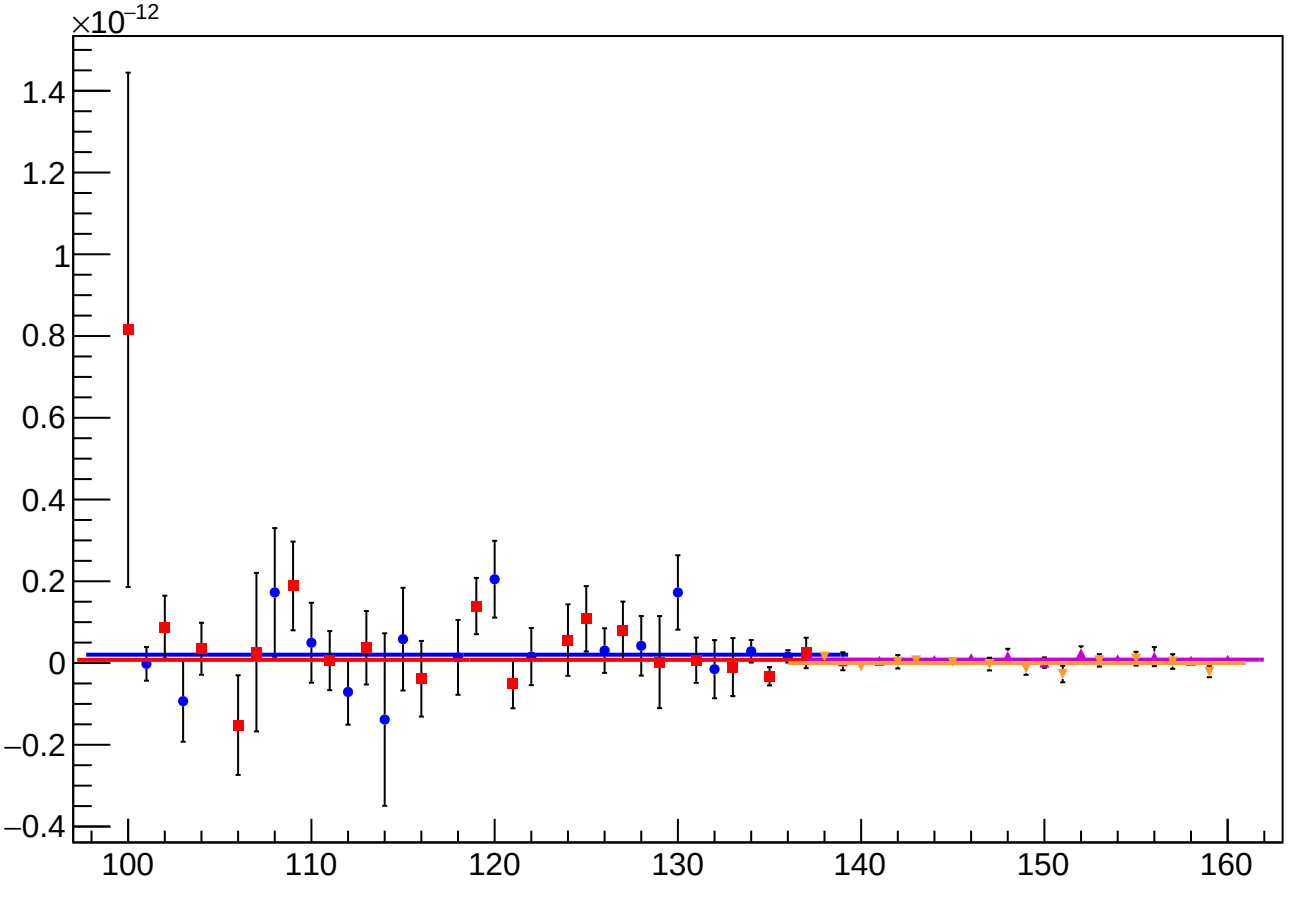
Left: 41.078+/-0.007 χ^2/NDF: 2691925.5/22

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.188+/-0.008 χ^2/NDF:2892996.3/26

Out: 43.978+/-0.008 χ^2/NDF:2845502.8/30

All: 42.503+/-0.006 χ^2/NDF: 5800684.9/57



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:2.0/10

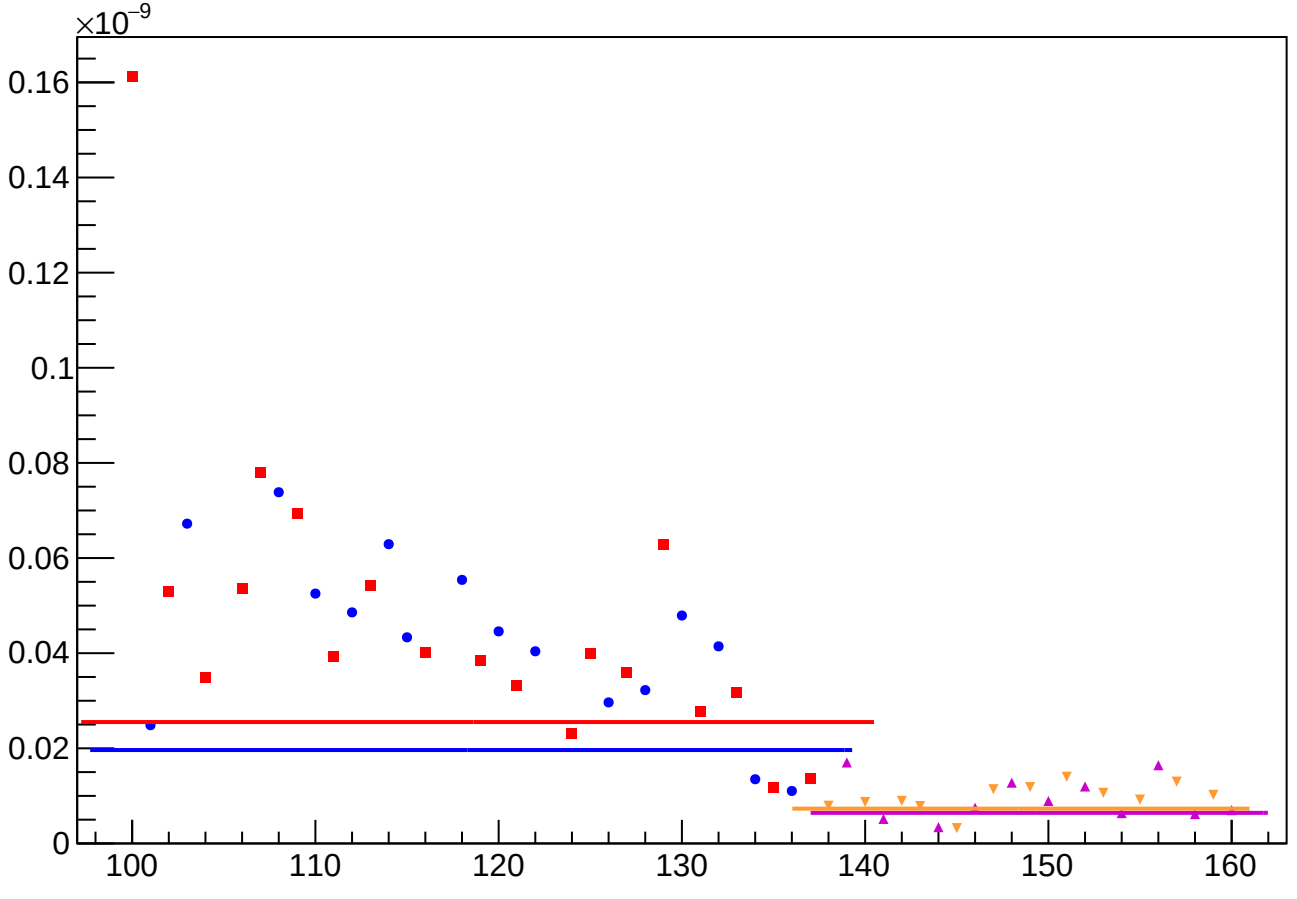
Left: 0.000+/-0.000 χ^2/NDF: 13.4/22

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.8/26

Out: 0.000+/-0.000 χ^2/NDF:27.4/30

All: 0.000+/-0.000 χ^2/NDF: 45.9/57



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:2009491.4/10

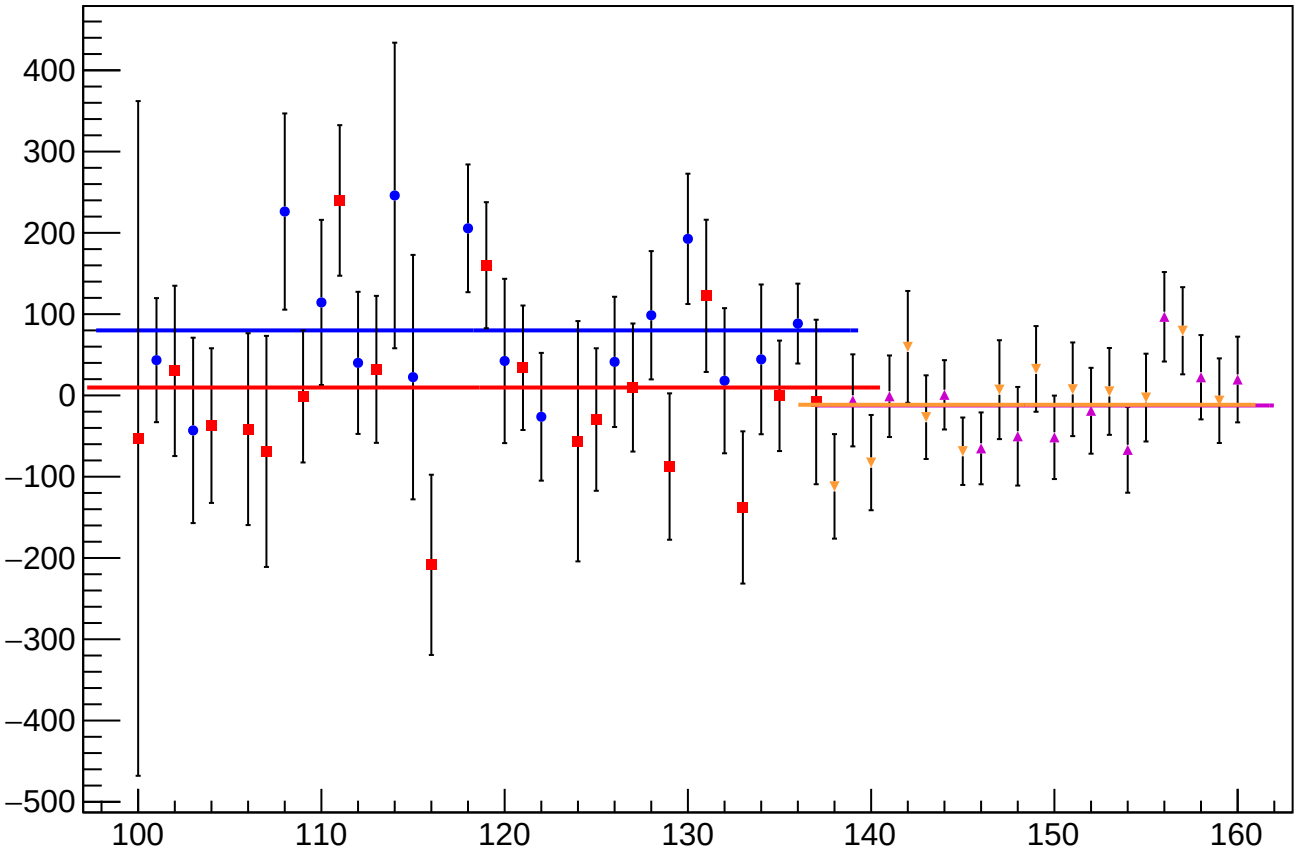
Left: 0.000+/-0.000 χ^2/NDF: 4146897.9/22

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7830439.3/26

Out: 0.000+/-0.000 χ^2/NDF:8092911.7/30

All: 0.000+/-0.000 χ^2/NDF: 16012606.7/57



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: -12.375+/-15.428 χ^2/NDF:8.4/10

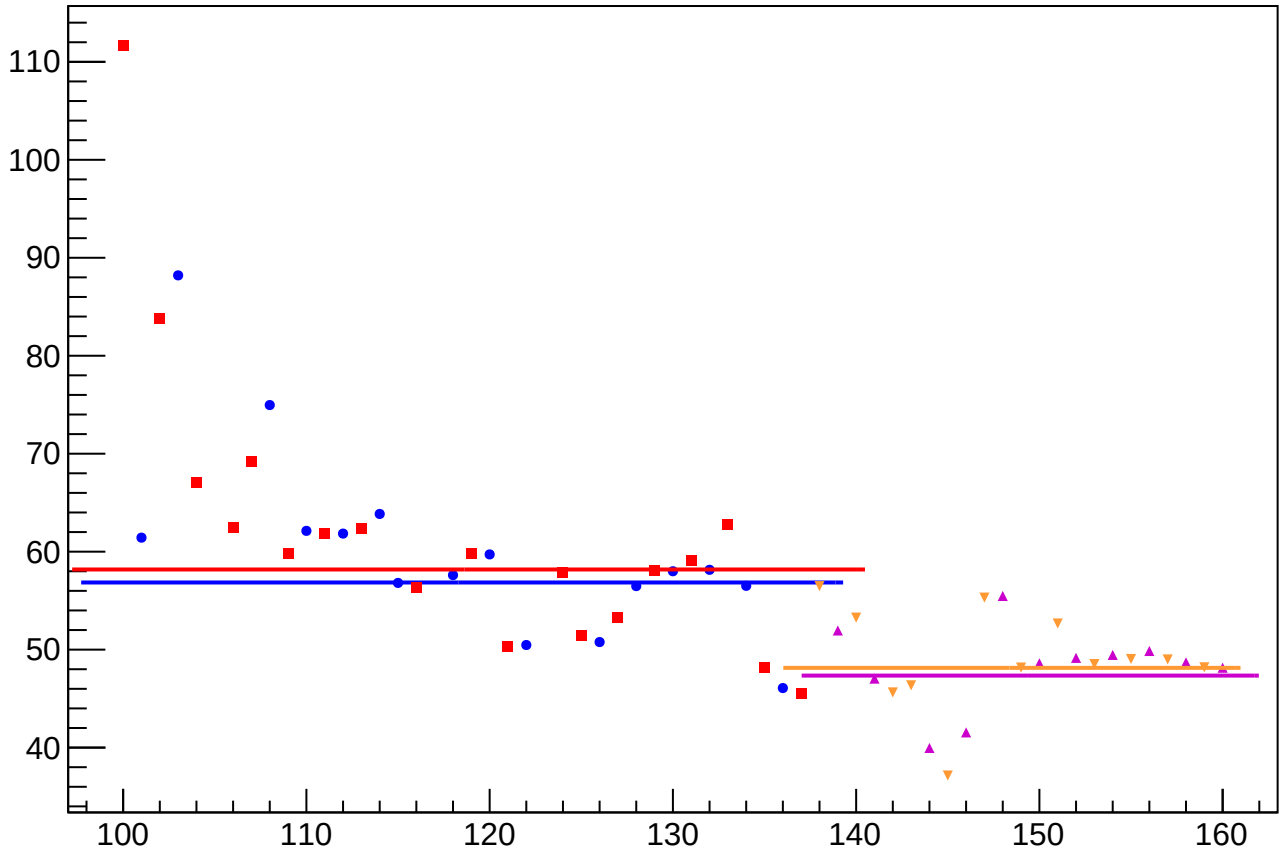
Left: -11.943+/-11.013 χ^2/NDF: 19.3/22

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 19.072+/-12.530 χ^2/NDF:32.1/26

Out: -4.149+/-12.717 χ^2/NDF:31.9/30

All: 7.633+/-8.925 χ^2/NDF: 65.7/57



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: 47.350+/-0.011 χ^2/NDF:156359.7/10

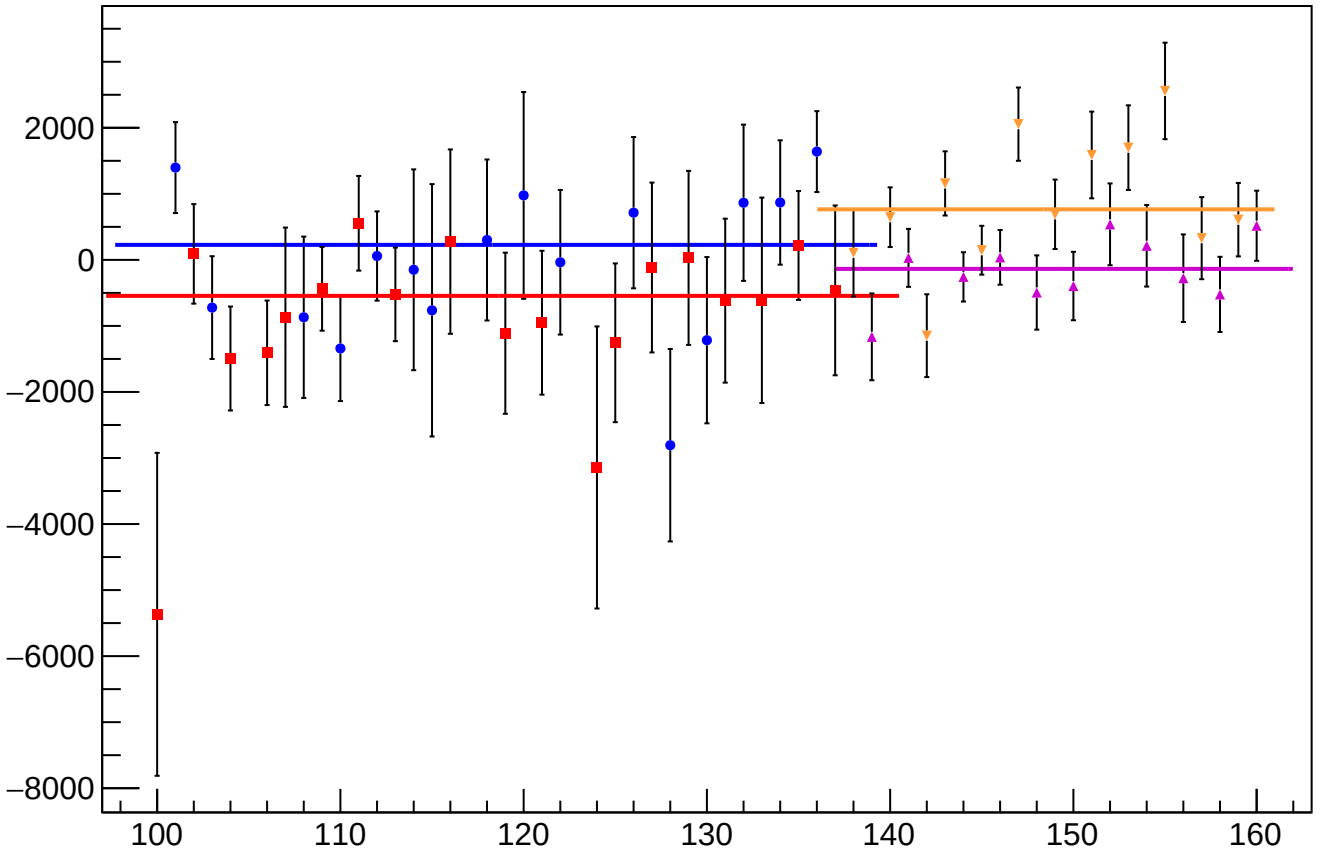
Left: 47.738+/-0.008 χ^2/NDF: 394570.6/22

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.586+/-0.009 χ^2/NDF:756330.6/26

Out: 51.615+/-0.009 χ^2/NDF:832502.4/30

All: 51.093+/-0.006 χ^2/NDF: 1595477.3/57



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: -136.065+/-155.159 χ^2/NDF:7.1/10

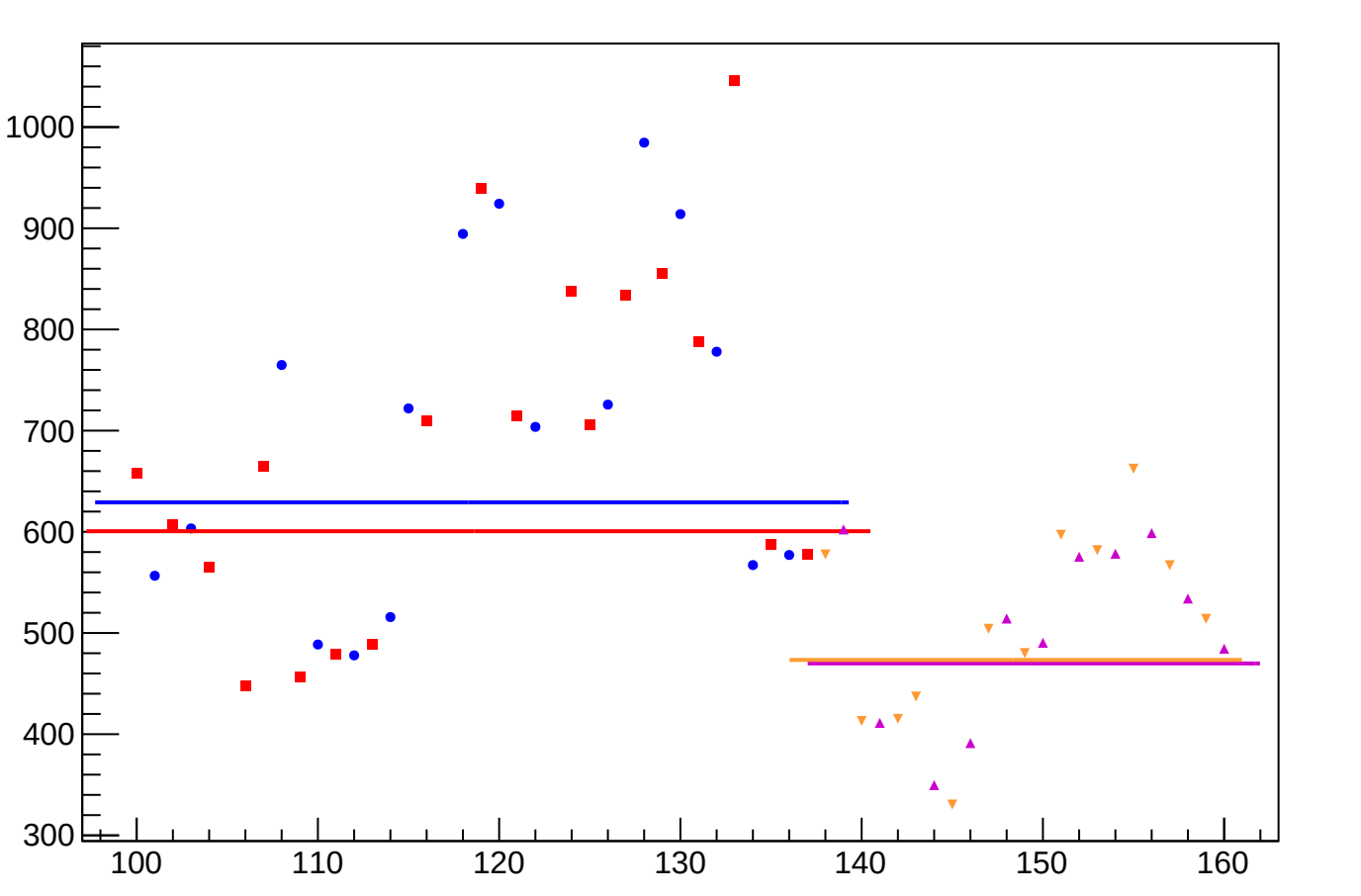
Left: 309.627+/-110.339 χ^2/NDF: 53.3/22

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -29.666+/-130.495 χ^2/NDF:30.3/26

Out: 342.440+/-129.137 χ^2/NDF:65.4/30

All: 158.334+/-91.790 χ^2/NDF: 99.9/57



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: 469.888+/-0.110 χ^2/NDF:634240.1/10

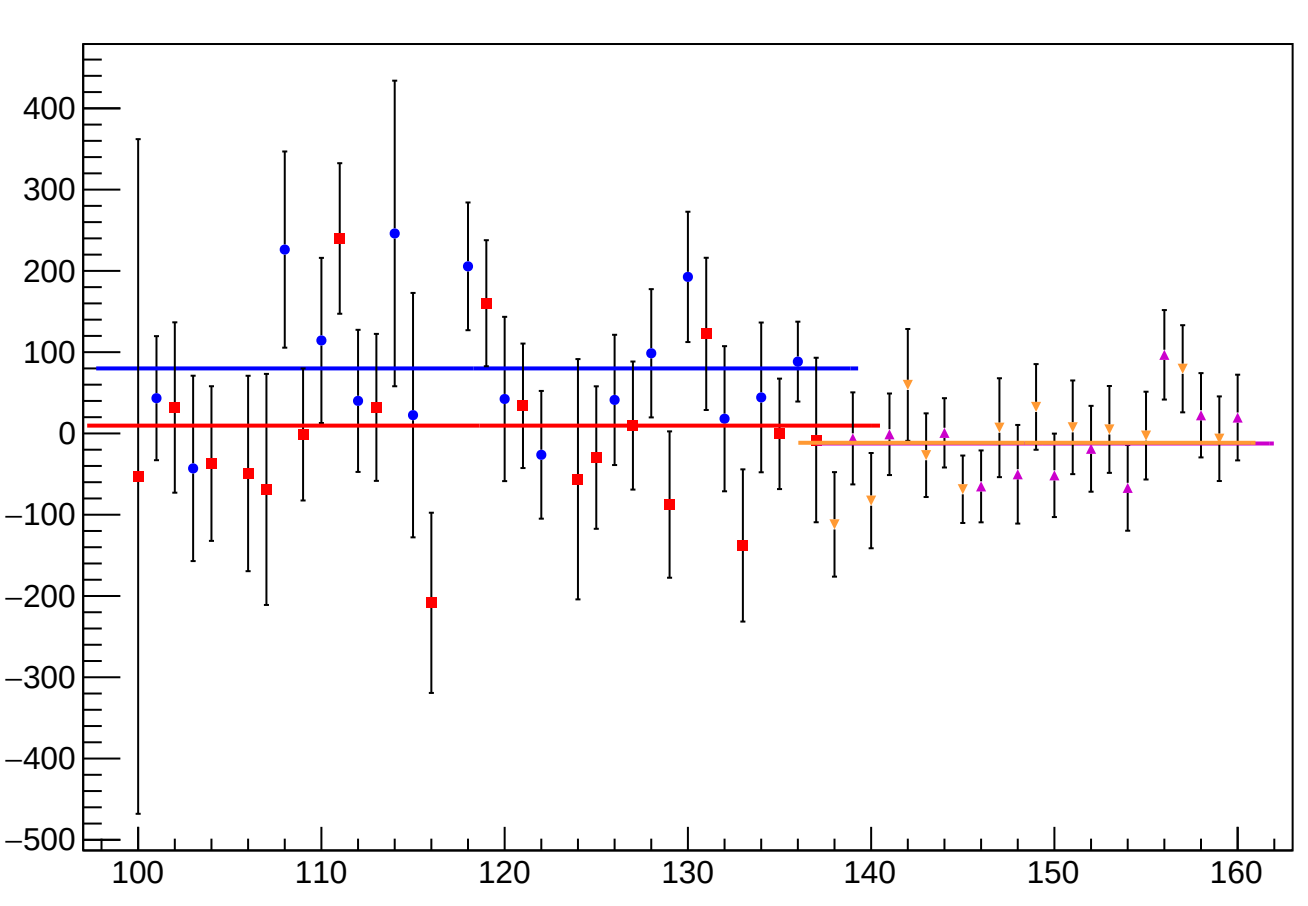
Left: 471.616+/-0.078 χ^2/NDF: 1372062.6/22

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 516.480+/-0.092 χ^2/NDF:1943202.8/26

Out: 514.465+/-0.091 χ^2/NDF:2036271.1/30

All: 515.462+/-0.065 χ^2/NDF: 3979714.7/57



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: -12.377+/-15.428 χ^2/NDF:8.4/10

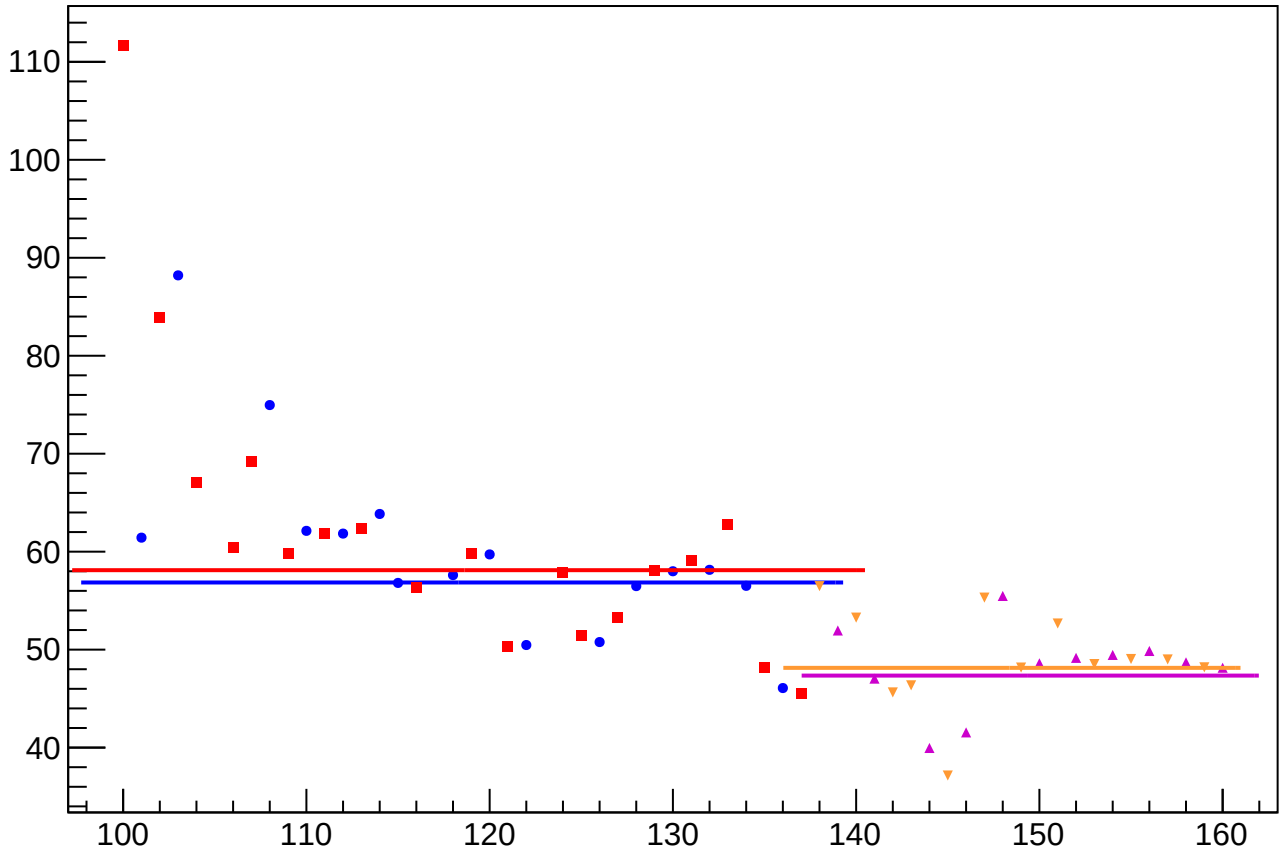
Left: -11.945+/-11.013 χ^2/NDF: 19.3/22

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.072+/-12.530 χ^2/NDF:32.1/26

Out: -4.195+/-12.720 χ^2/NDF:31.9/30

All: 7.613+/-8.926 χ^2/NDF: 65.8/57



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: 47.350+/-0.011 χ^2/NDF:156359.7/10

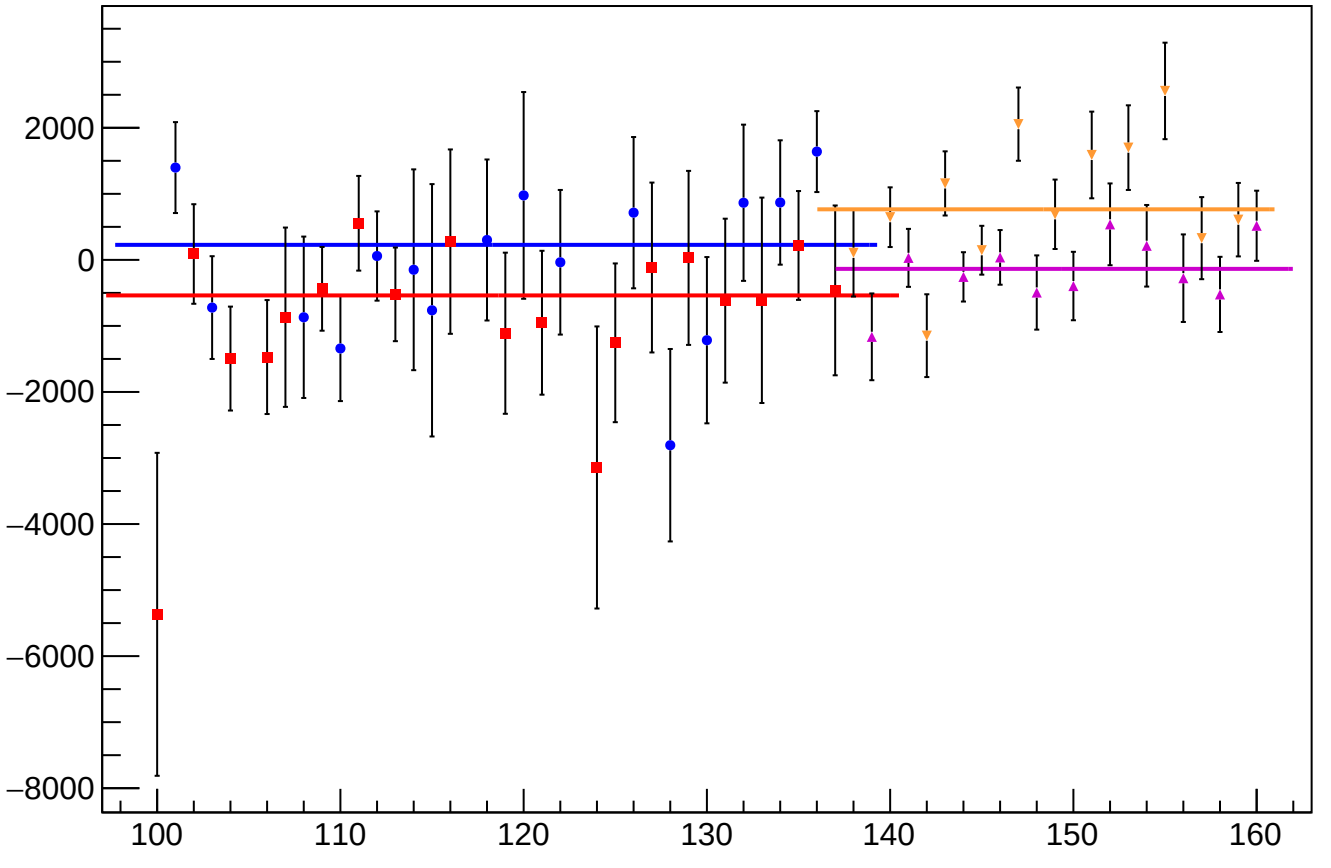
Left: 47.738+/-0.008 χ^2/NDF: 394570.6/22

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.586+/-0.009 χ^2/NDF:756334.6/26

Out: 51.588+/-0.009 χ^2/NDF:826590.6/30

All: 51.079+/-0.006 χ^2/NDF: 1589220.1/57



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: -136.069+/-155.159 χ^2/NDF:7.1/10

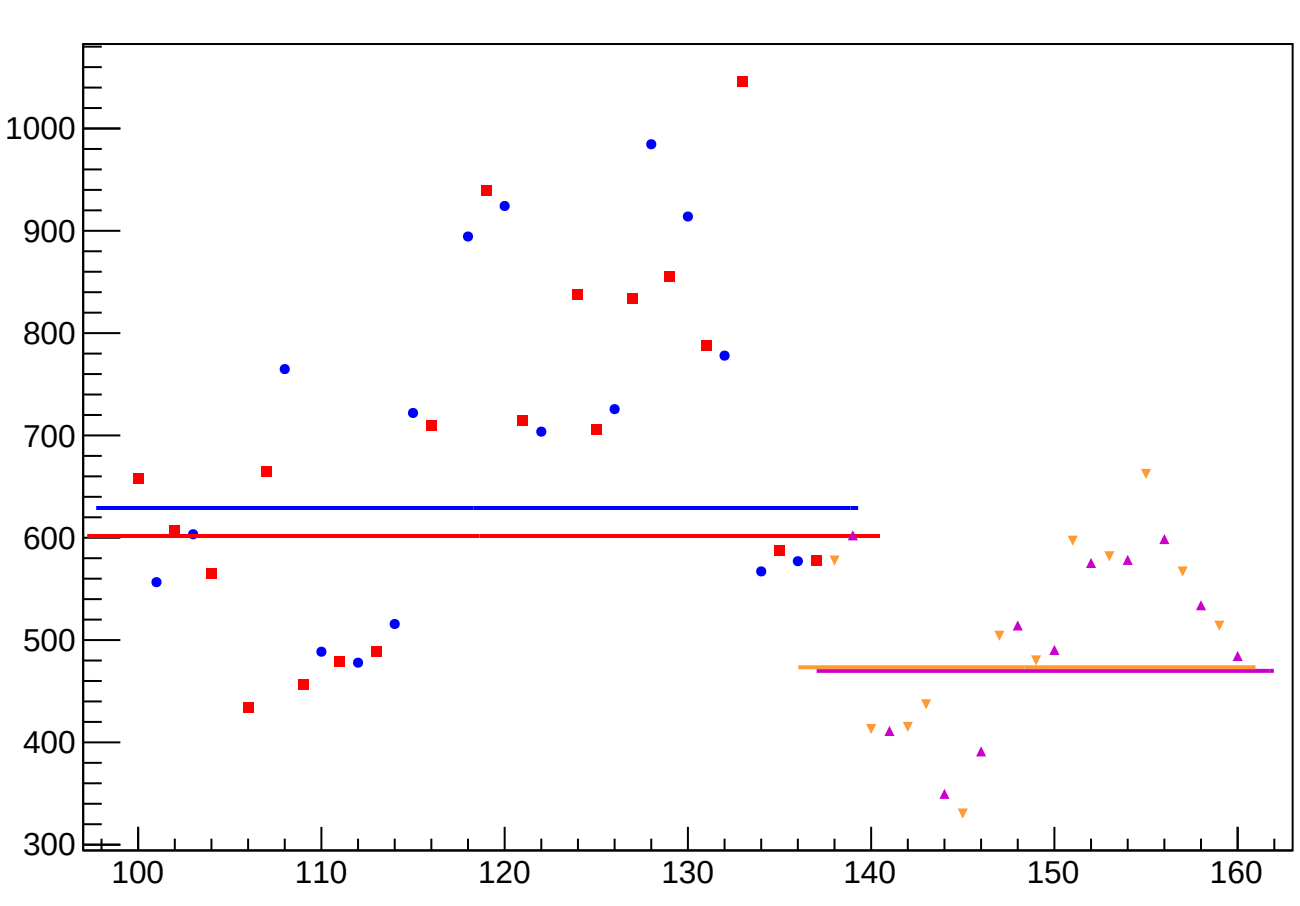
Left: 309.625+/-110.339 χ^2/NDF: 53.3/22

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -29.659+/-130.496 χ^2/NDF:30.3/26

Out: 348.359+/-129.413 χ^2/NDF:65.0/30

All: 160.925+/-91.889 χ^2/NDF: 99.5/57



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: 469.888+/-0.110 χ^2/NDF:634238.5/10

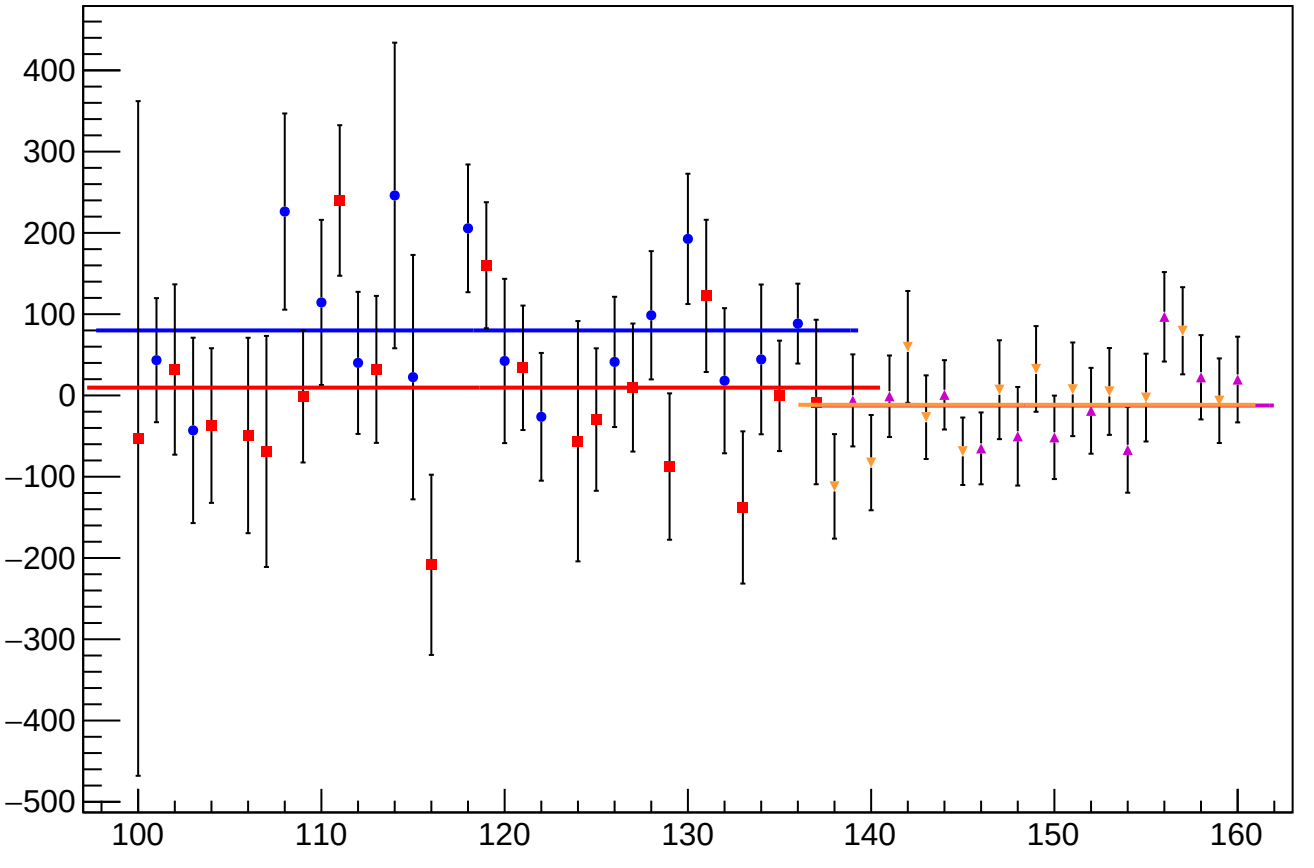
Left: 471.616+/-0.078 χ^2/NDF: 1372062.8/22

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.481+/-0.092 χ^2/NDF:1943222.6/26

Out: 514.458+/-0.092 χ^2/NDF:2039389.0/30

All: 515.461+/-0.065 χ^2/NDF: 3982853.8/57



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: -12.377+/-15.428 χ^2/NDF:8.4/10

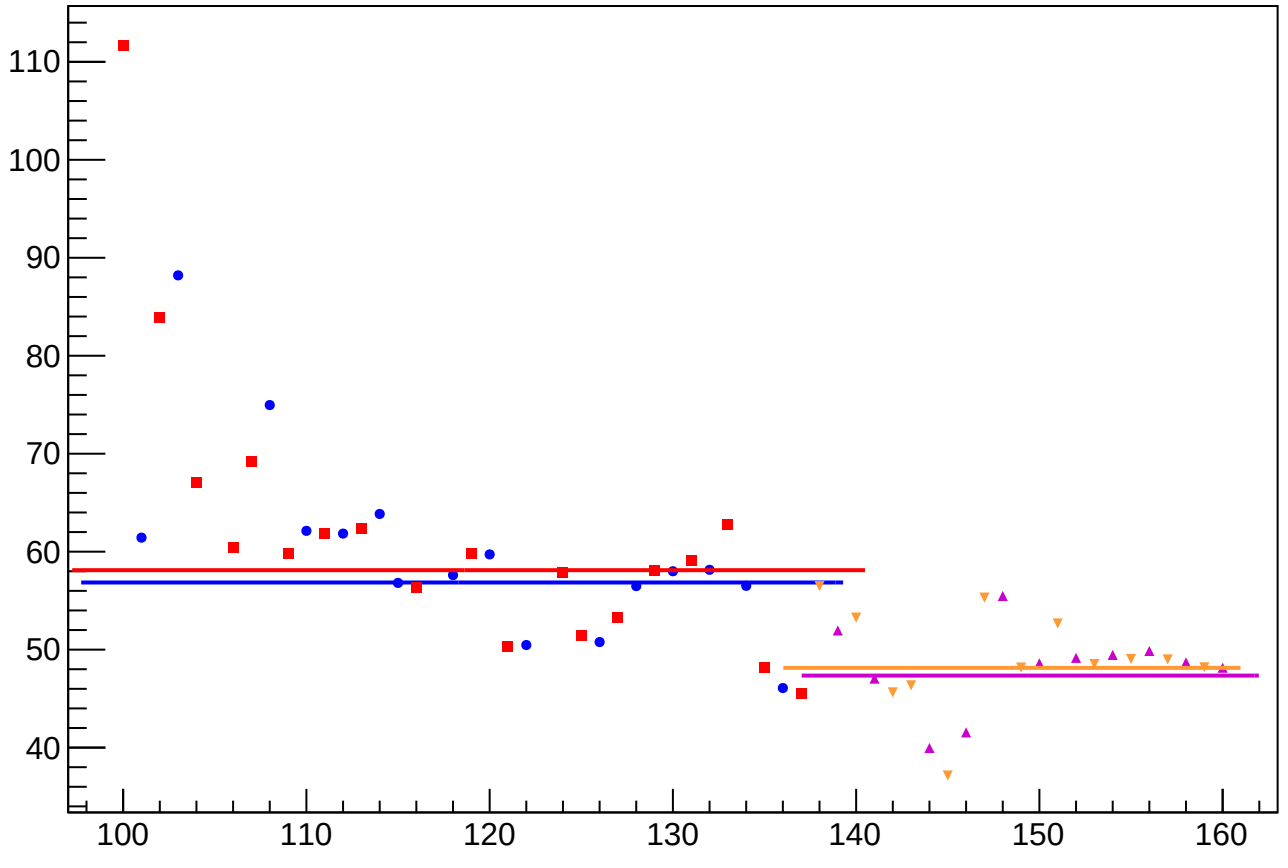
Left: -11.945+/-11.013 χ^2/NDF: 19.3/22

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.072+/-12.530 χ^2/NDF:32.1/26

Out: -4.195+/-12.720 χ^2/NDF:31.9/30

All: 7.613+/-8.926 χ^2/NDF: 65.8/57



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: 47.350+/-0.011 χ^2/NDF:156359.7/10

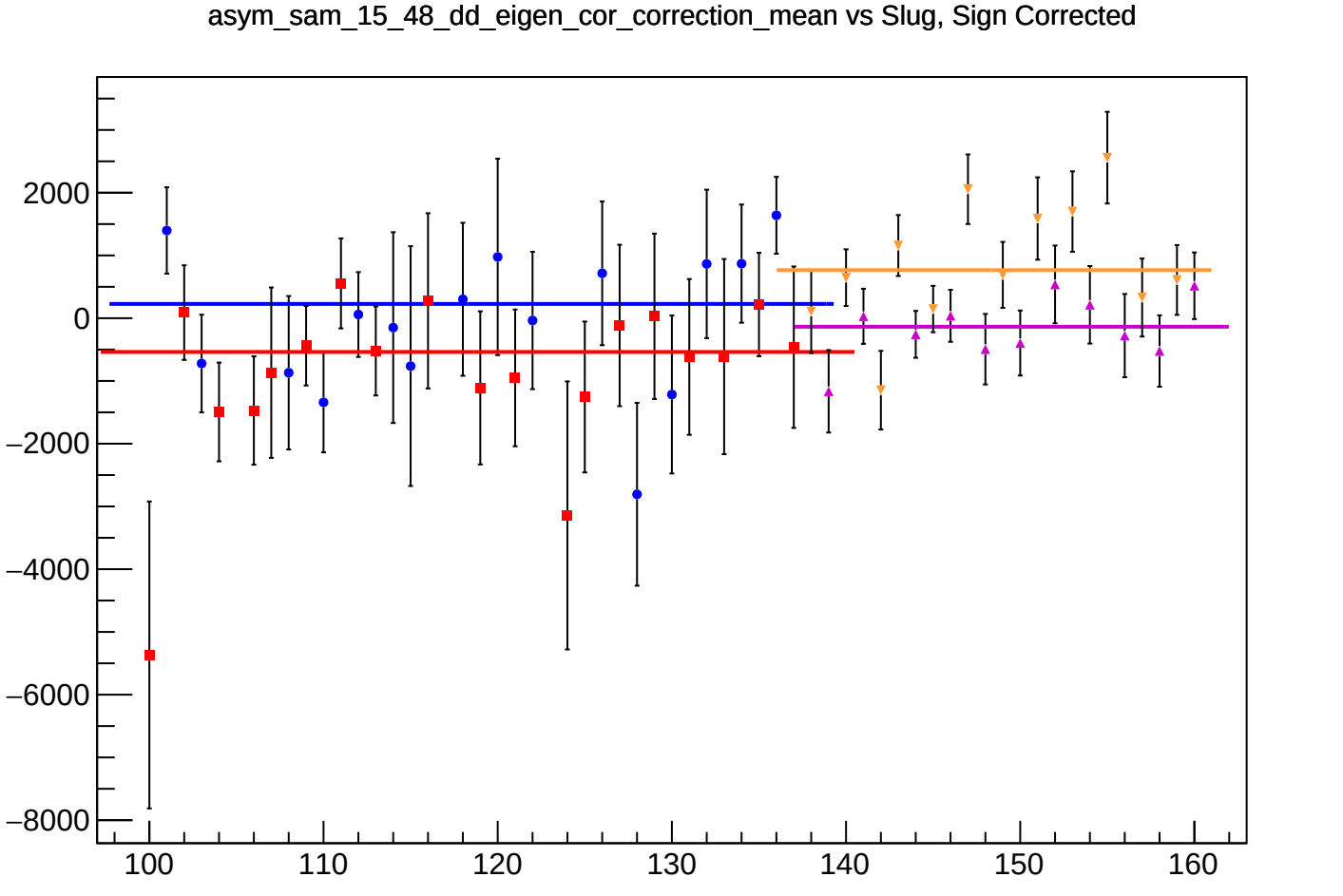
Left: 47.738+/-0.008 χ^2/NDF: 394570.6/22

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

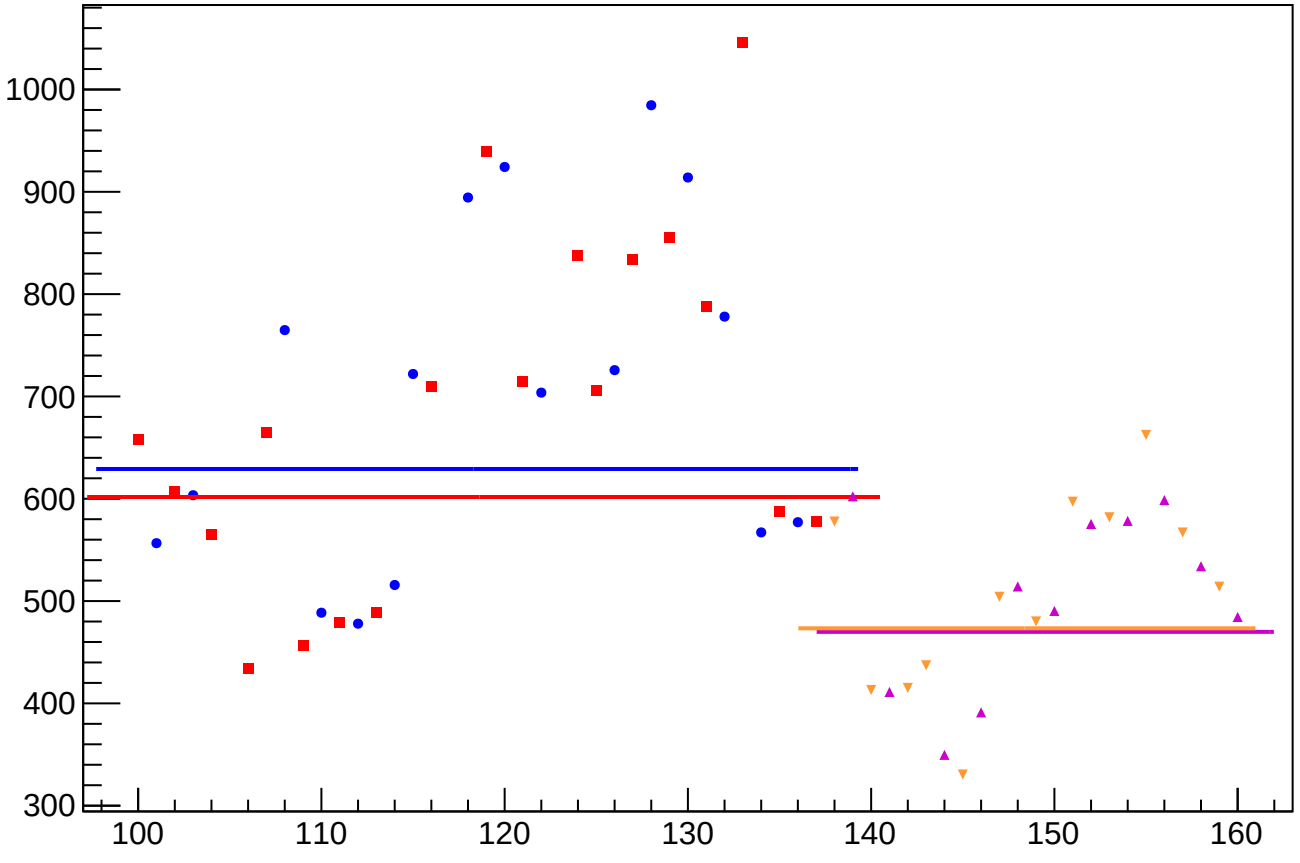
In: 50.586+/-0.009 χ^2/NDF:756334.6/26

Out: 51.588+/-0.009 χ^2/NDF:826590.6/30

All: 51.079+/-0.006 χ^2/NDF: 1589220.1/57


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 765.618+/-156.942 χ²/NDF:29.6/11
Right Out: -538.117+/-228.754 χ²/NDF: 13.3/18
Left In: -136.069+/-155.159 χ²/NDF:7.1/10
Left: 309.625+/-110.339 χ²/NDF: 53.3/22
Right: -175.590+/-165.988 χ²/NDF: 40.3/34
In: -29.659+/-130.496 χ²/NDF:30.3/26
Out: 348.359+/-129.413 χ²/NDF:65.0/30
All: 160.925+/-91.889 χ²/NDF: 99.5/57

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 469.888+/-0.110 χ^2/NDF:634238.5/10

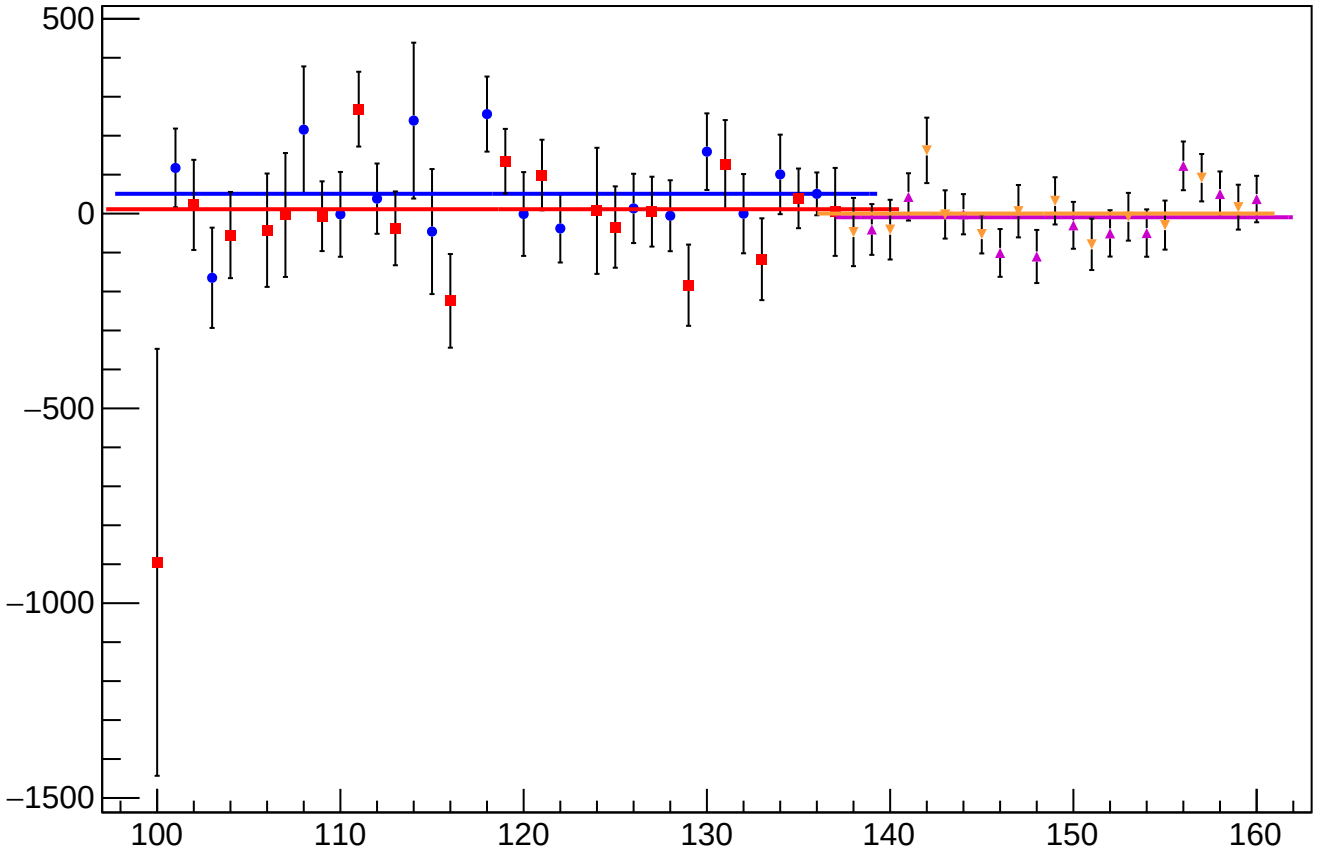
Left: 471.616+/-0.078 χ^2/NDF: 1372062.8/22

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.481+/-0.092 χ^2/NDF:1943222.6/26

Out: 514.458+/-0.092 χ^2/NDF:2039389.0/30

All: 515.461+/-0.065 χ^2/NDF: 3982853.8/57



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: -9.376+/-18.176 χ^2/NDF:12.6/10

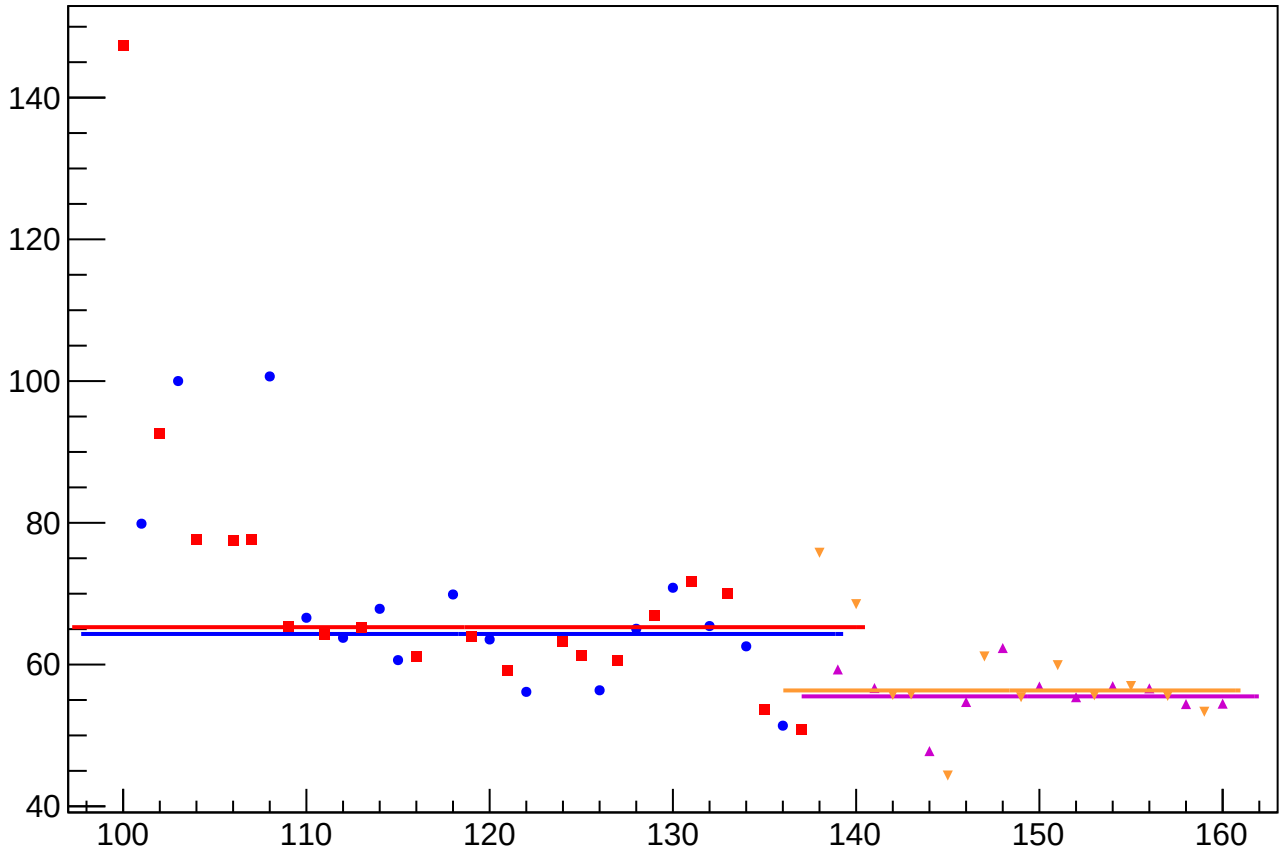
Left: -4.674+/-12.968 χ^2/NDF: 22.5/22

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 12.017+/-14.596 χ^2/NDF:30.3/26

Out: 4.256+/-14.729 χ^2/NDF:33.9/30

All: 8.172+/-10.368 χ^2/NDF: 64.3/57



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: 55.510+/-0.013 χ^2/NDF:76804.7/10

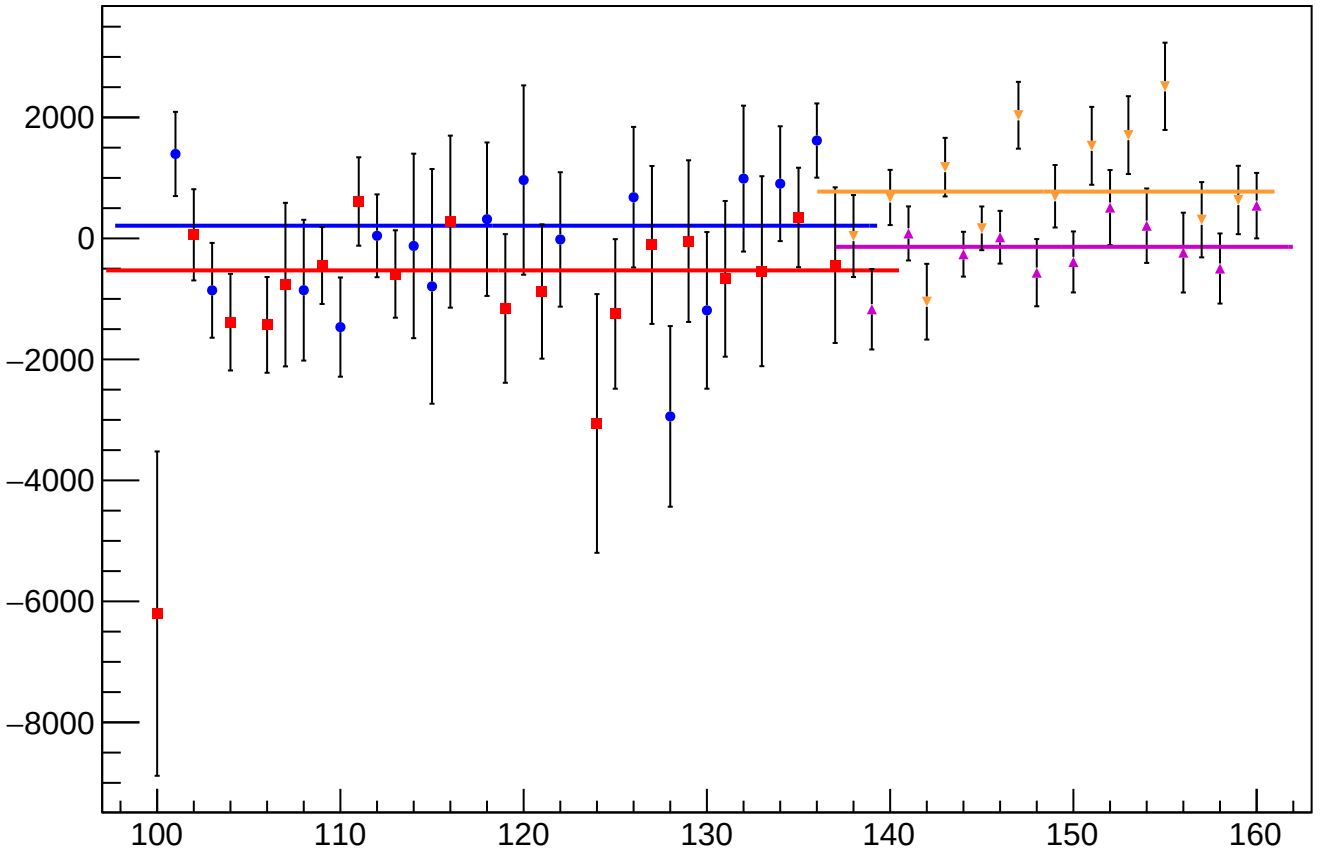
Left: 55.922+/-0.009 χ^2/NDF: 367030.9/22

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.638+/-0.010 χ^2/NDF:708494.6/26

Out: 59.622+/-0.010 χ^2/NDF:777990.6/30

All: 59.126+/-0.007 χ^2/NDF: 1490986.7/57



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: -139.118+/-156.309 χ^2/NDF:7.1/10

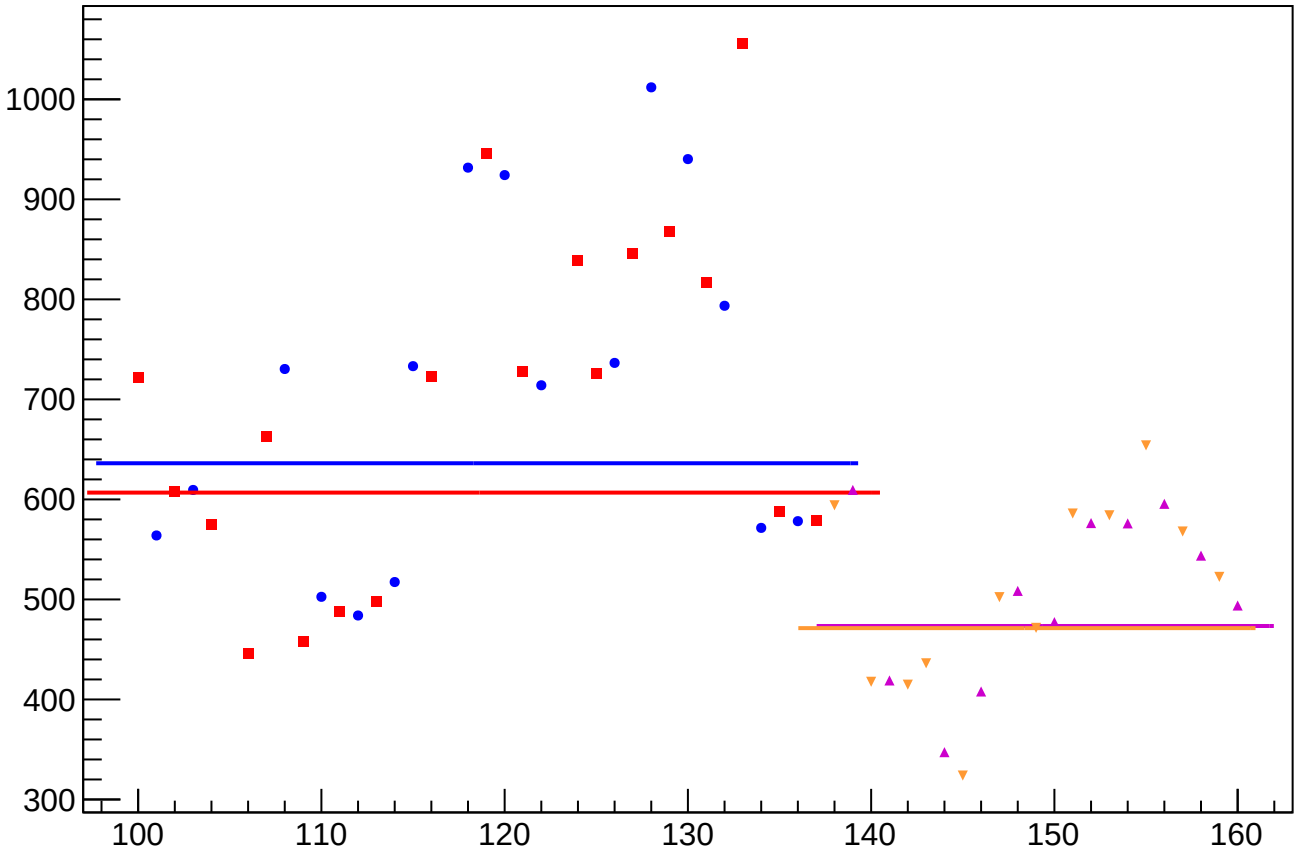
Left: 317.441+/-110.515 χ^2/NDF: 52.6/22

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -37.410+/-131.586 χ^2/NDF:31.0/26

Out: 361.633+/-129.204 χ^2/NDF:64.2/30

All: 165.756+/-92.192 χ^2/NDF: 99.9/57



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: 473.437+/-0.111 χ^2/NDF:610117.8/10

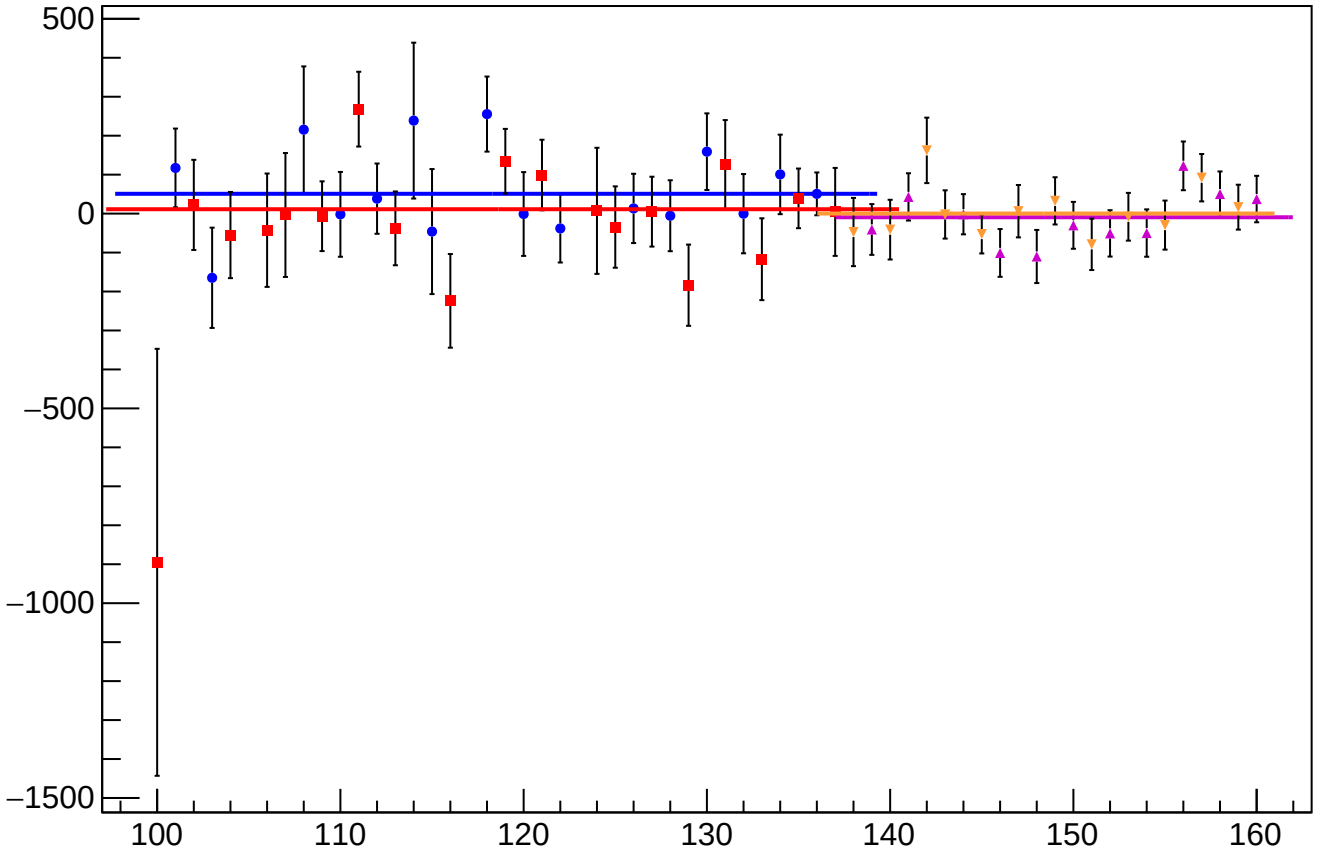
Left: 472.370+/-0.078 χ^2/NDF: 1387135.1/22

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 520.836+/-0.093 χ^2/NDF:1946656.5/26

Out: 514.182+/-0.091 χ^2/NDF:2146523.1/30

All: 517.448+/-0.065 χ^2/NDF: 4095783.3/57



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: -9.376+/-18.176 χ^2/NDF:12.6/10

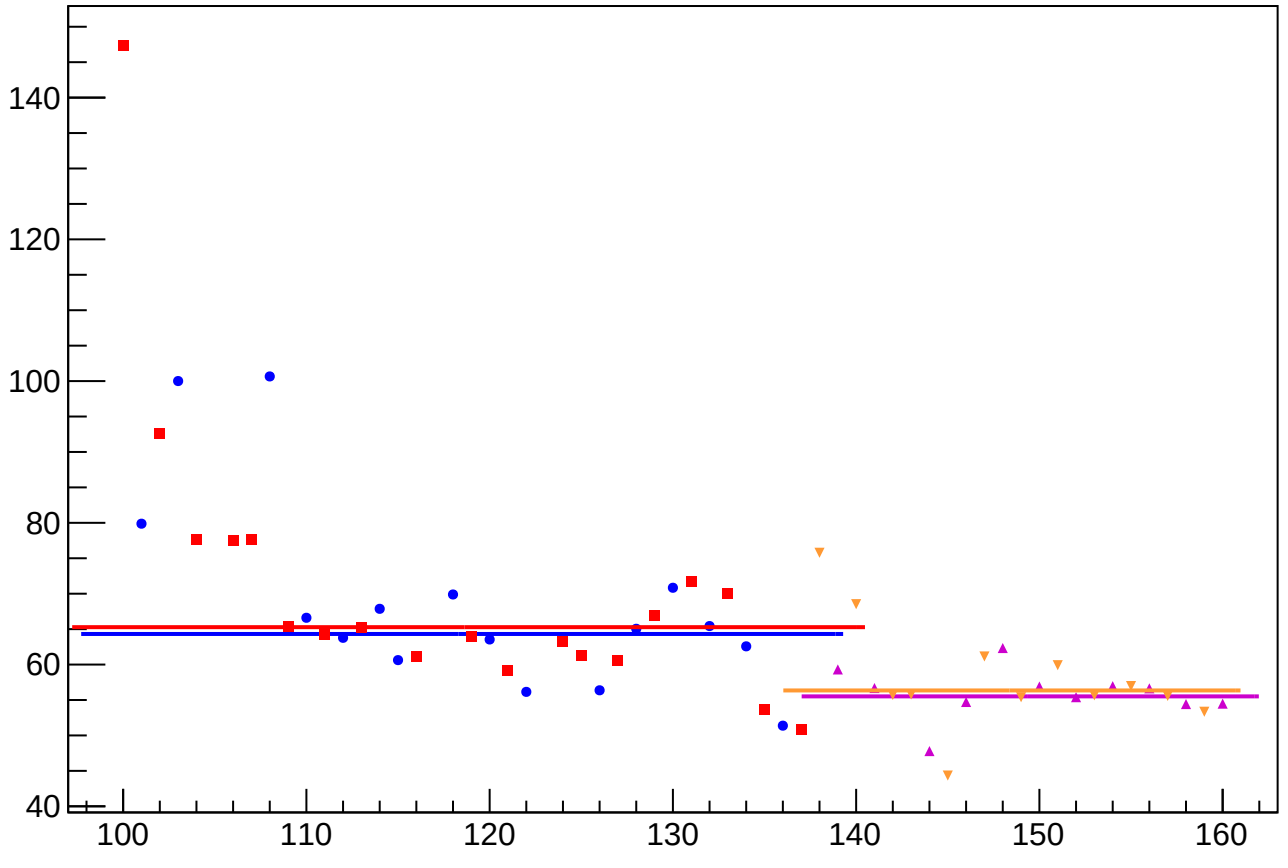
Left: -4.675+/-12.968 χ^2/NDF: 22.5/22

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 12.016+/-14.596 χ^2/NDF:30.3/26

Out: 4.255+/-14.729 χ^2/NDF:33.9/30

All: 8.171+/-10.368 χ^2/NDF: 64.3/57



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: 55.511+/-0.013 χ^2/NDF:76800.2/10

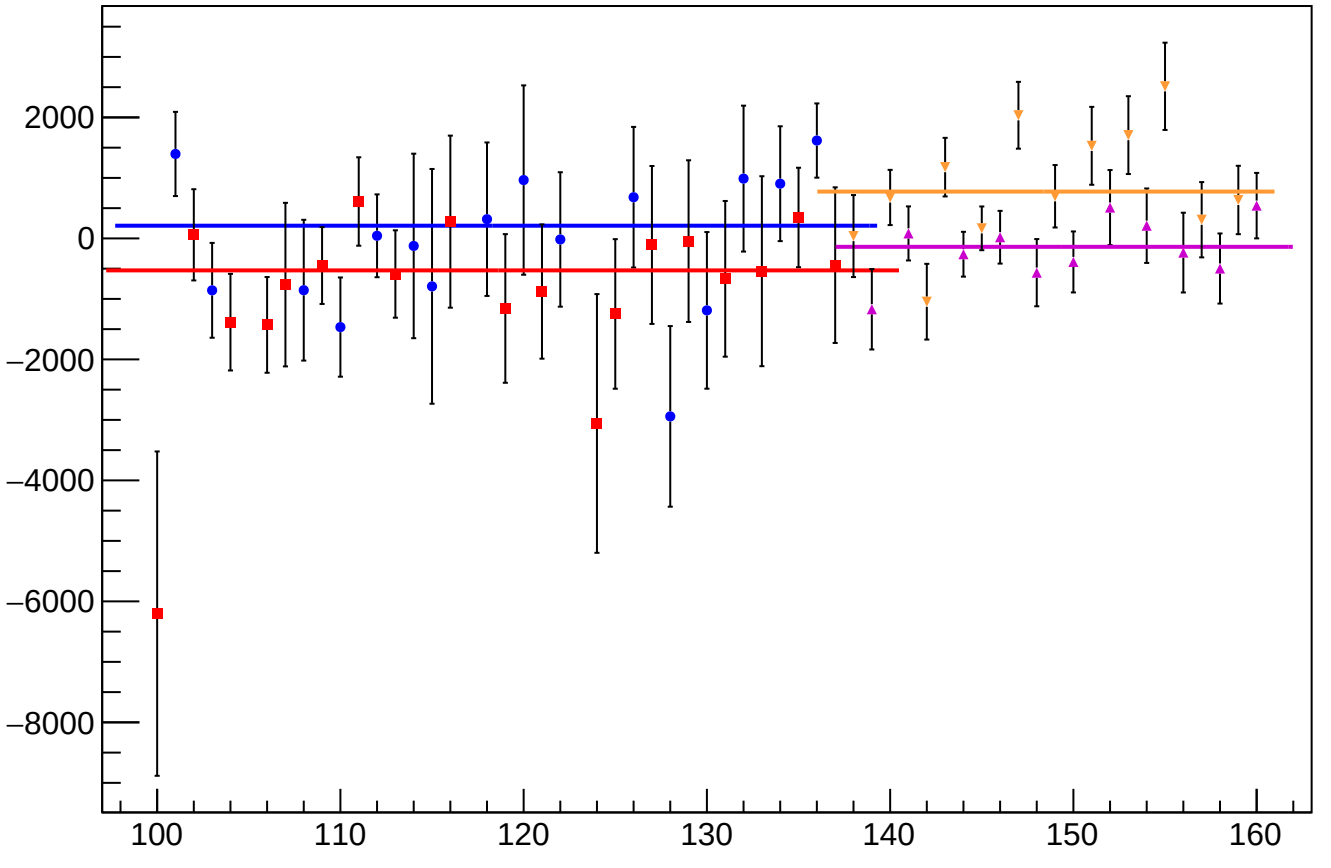
Left: 55.922+/-0.009 χ^2/NDF: 367013.2/22

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.638+/-0.010 χ^2/NDF:708481.8/26

Out: 59.622+/-0.010 χ^2/NDF:777969.3/30

All: 59.126+/-0.007 χ^2/NDF: 1490952.8/57



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: -139.117+/-156.308 χ^2/NDF:7.1/10

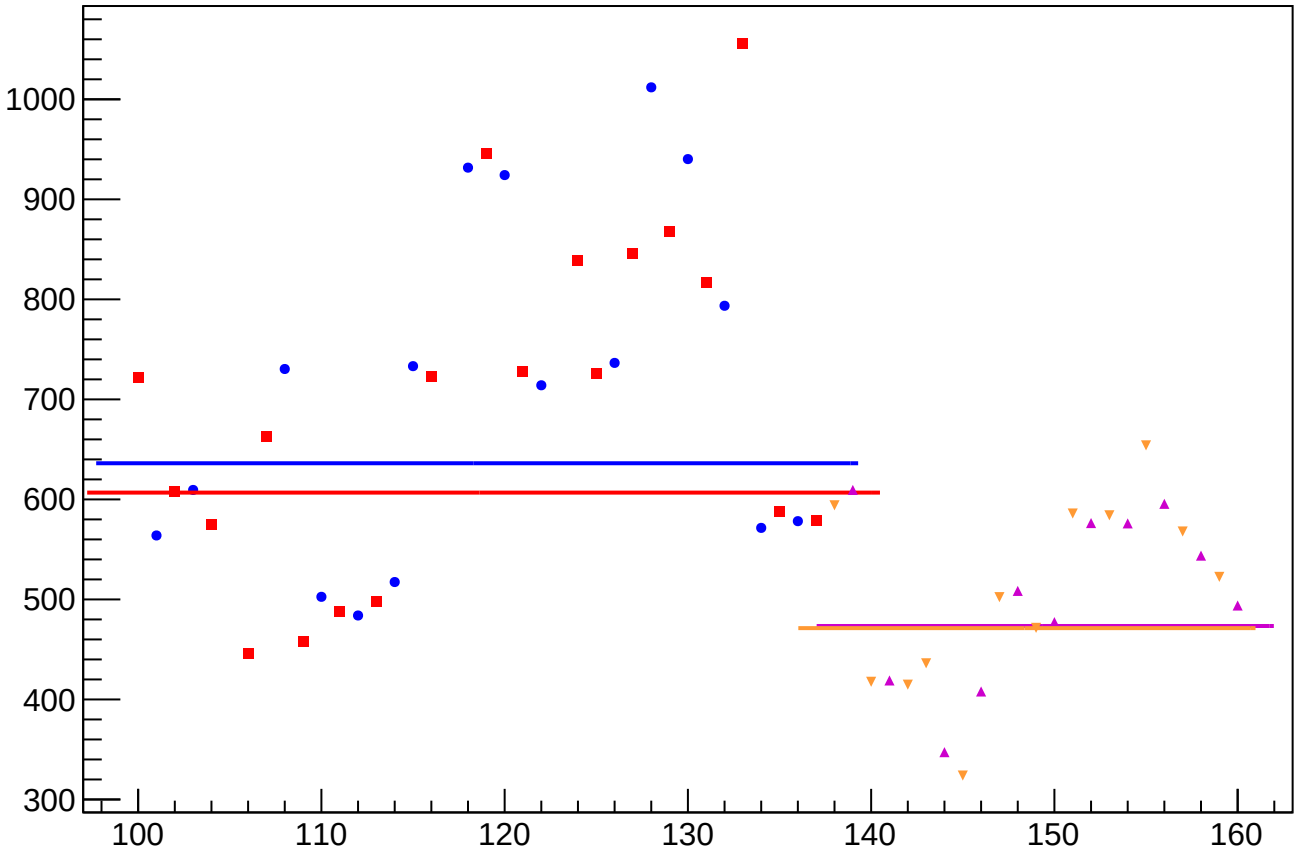
Left: 317.440+/-110.515 χ^2/NDF: 52.6/22

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -37.410+/-131.586 χ^2/NDF:31.0/26

Out: 361.632+/-129.204 χ^2/NDF:64.2/30

All: 165.756+/-92.192 χ^2/NDF: 99.9/57



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: 473.437+/-0.111 χ^2/NDF:610118.2/10

Left: 472.369+/-0.078 χ^2/NDF: 1387142.3/22

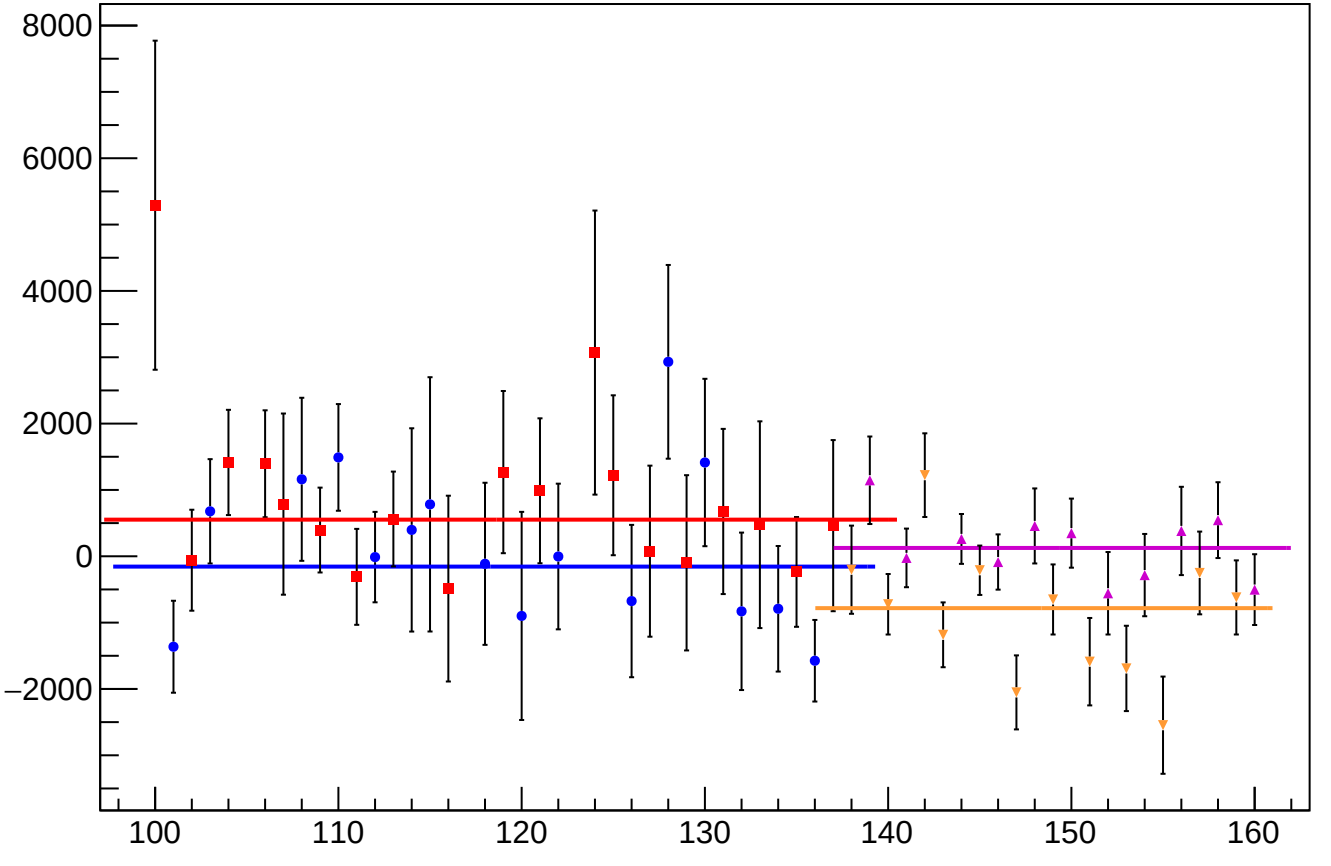
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 520.835+/-0.093 χ^2/NDF:1946661.7/26

Out: 514.181+/-0.091 χ^2/NDF:2146535.4/30

All: 517.448+/-0.065 χ^2/NDF: 4095800.9/57

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: 125.551+/-155.986 χ^2/NDF:7.1/10

Left: -322.835+/-110.940 χ^2/NDF: 53.1/22

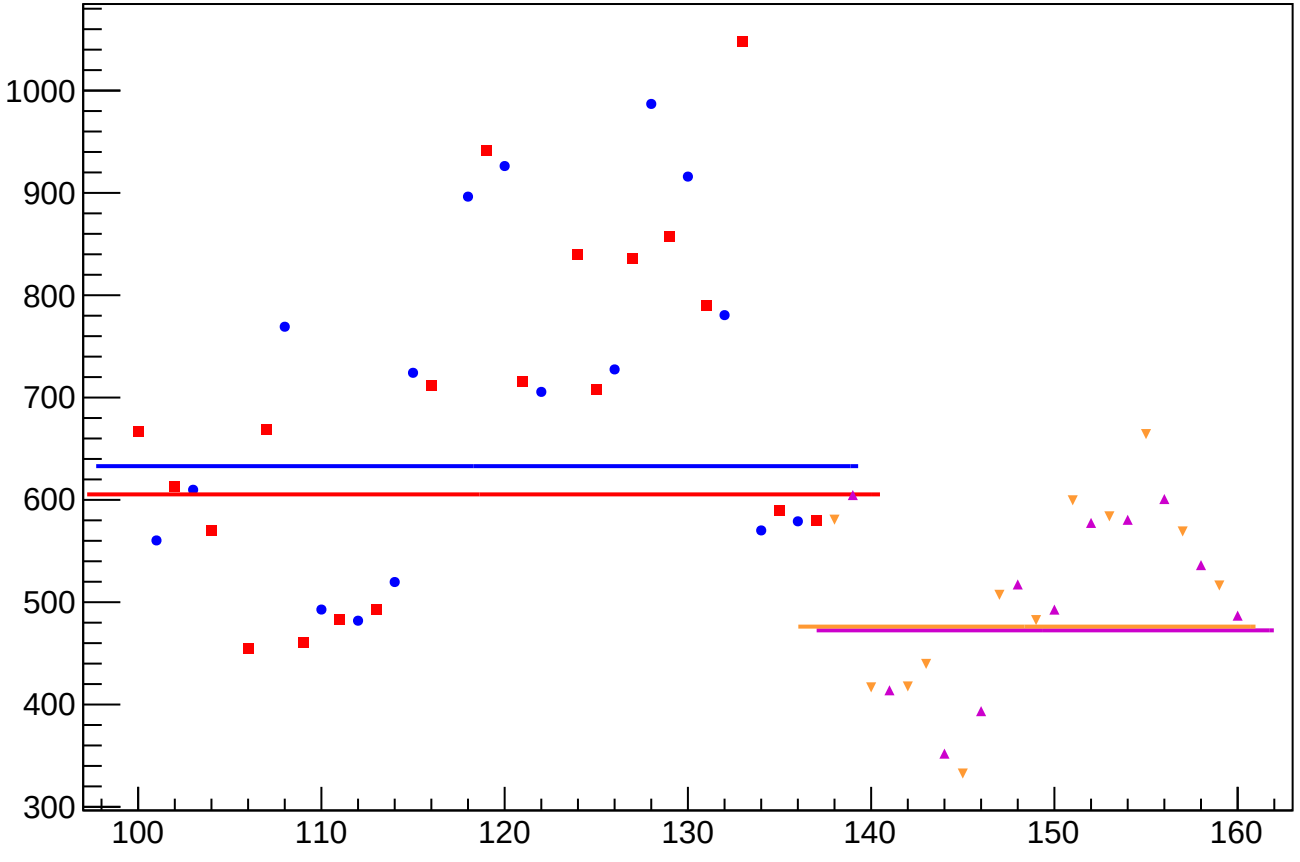
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 43.299+/-131.204 χ^2/NDF:30.6/26

Out: -351.980+/-129.926 χ^2/NDF:64.4/30

All: -156.275+/-92.320 χ^2/NDF: 99.6/57

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: 472.496+/-0.110 χ^2/NDF:626955.0/10

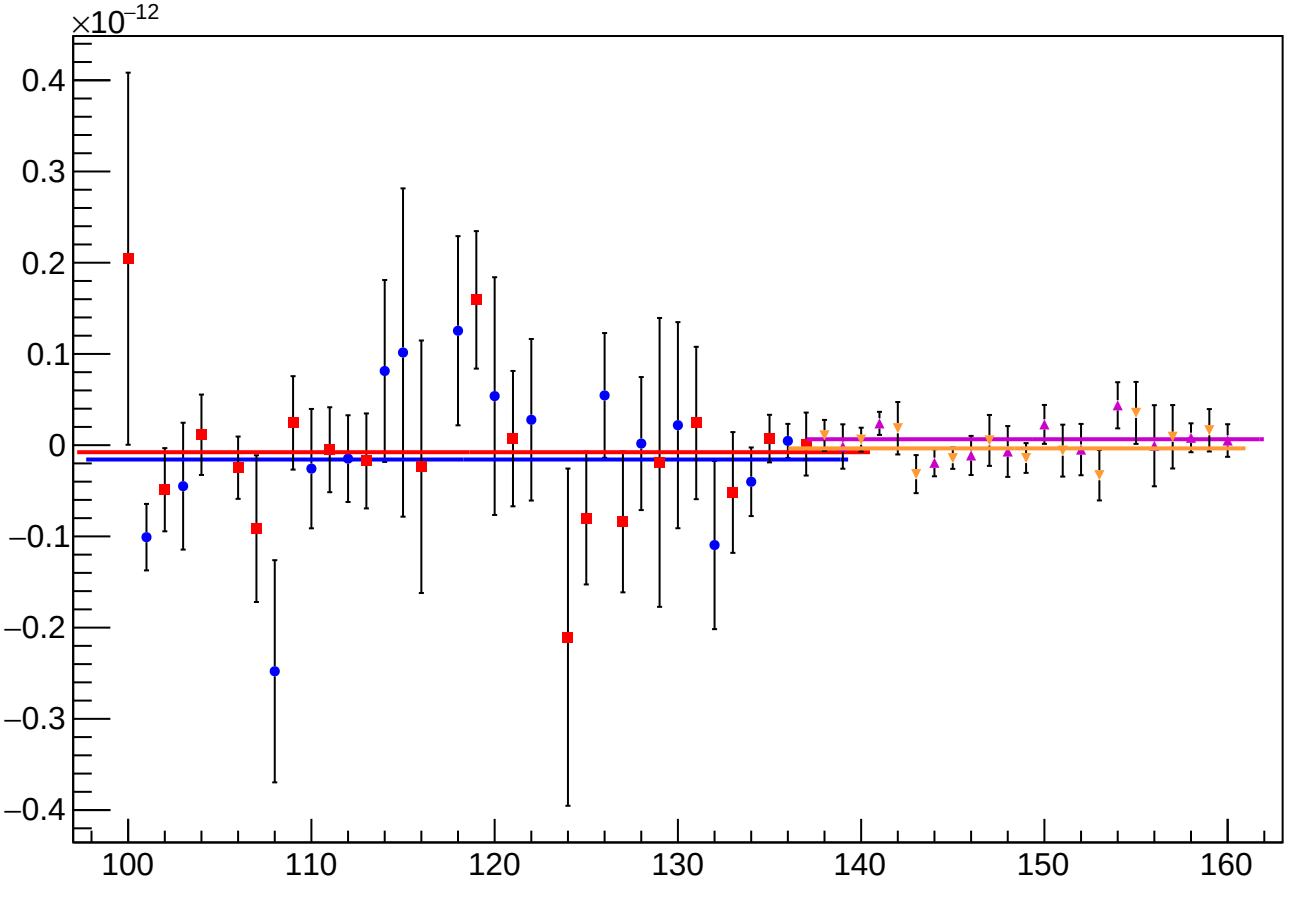
Left: 474.300+/-0.078 χ^2/NDF: 1356391.0/22

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 519.434+/-0.093 χ^2/NDF:1927221.2/26

Out: 517.785+/-0.092 χ^2/NDF:2014973.1/30

All: 518.602+/-0.065 χ^2/NDF: 3942353.7/57



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:8.9/10

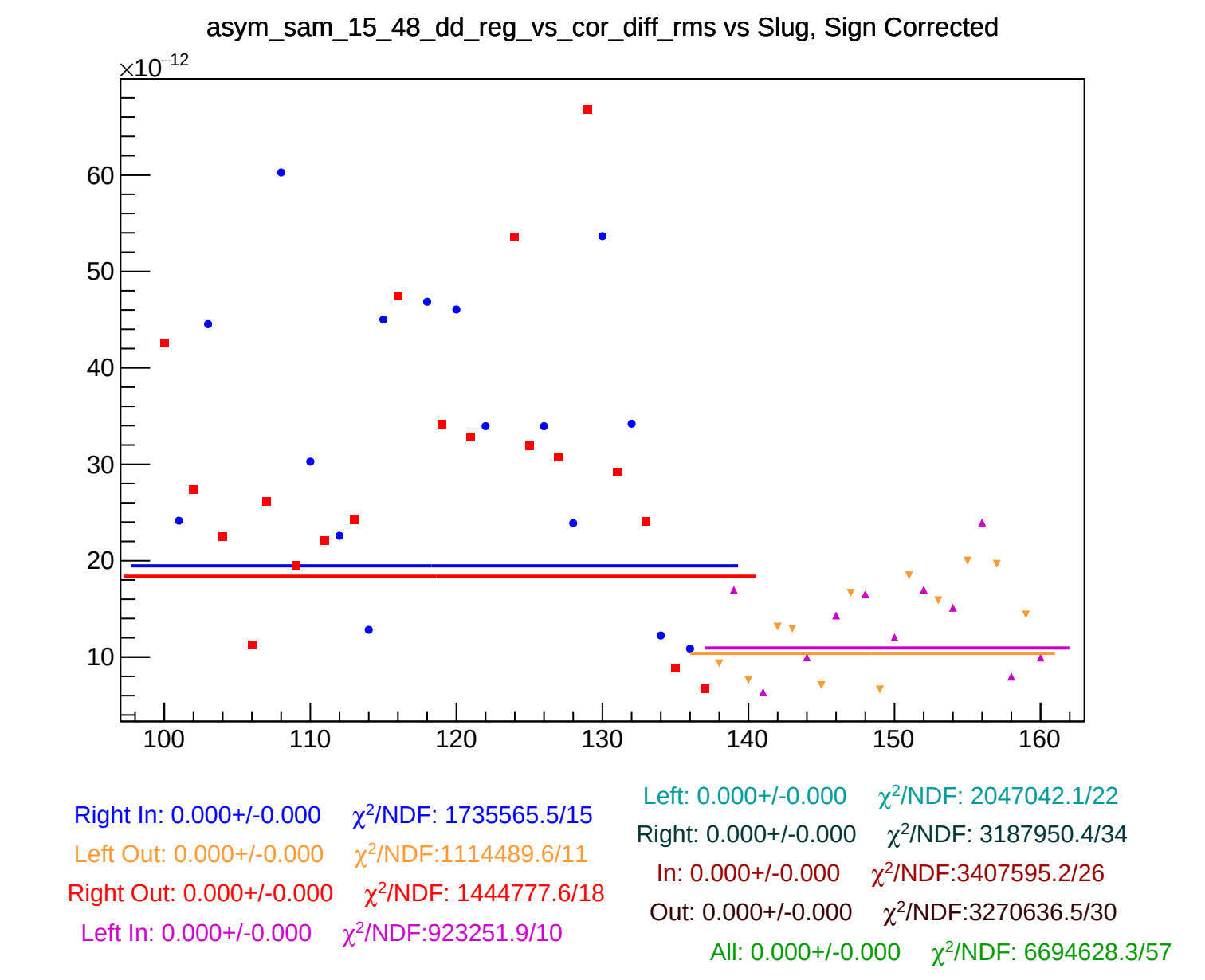
Left: 0.000+/-0.000 χ^2/NDF: 18.7/22

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

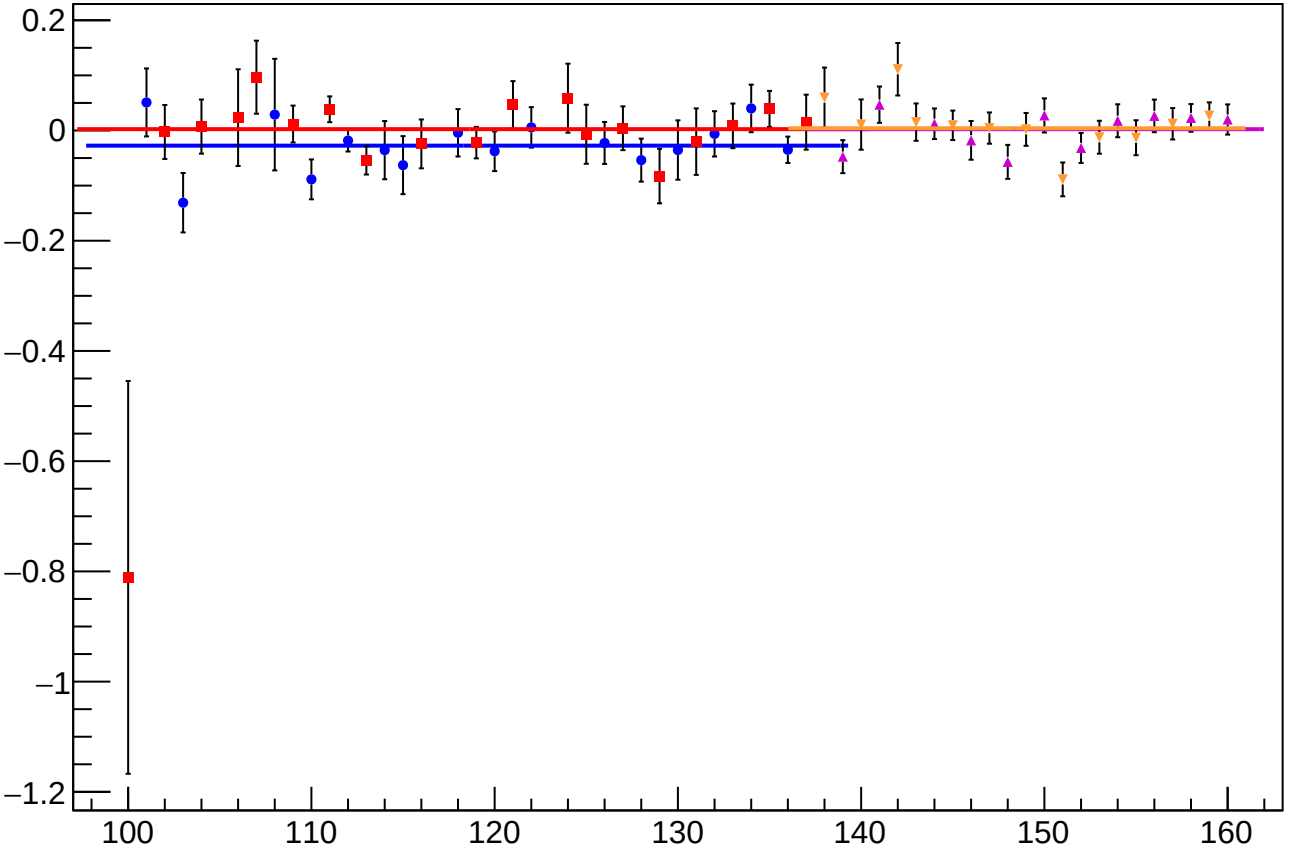
In: 0.000+/-0.000 χ^2/NDF:28.3/26

Out: -0.000+/-0.000 χ^2/NDF:21.4/30

All: -0.000+/-0.000 χ^2/NDF: 50.6/57


asym_sam_15_48_dd_reg_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: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1114489.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:923251.9/10
Left: 0.000+/-0.000 χ²/NDF: 2047042.1/22
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:3407595.2/26
Out: 0.000+/-0.000 χ²/NDF:3270636.5/30
All: 0.000+/-0.000 χ²/NDF: 6694628.3/57

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: 0.002+/-0.009 χ^2/NDF:13.0/10

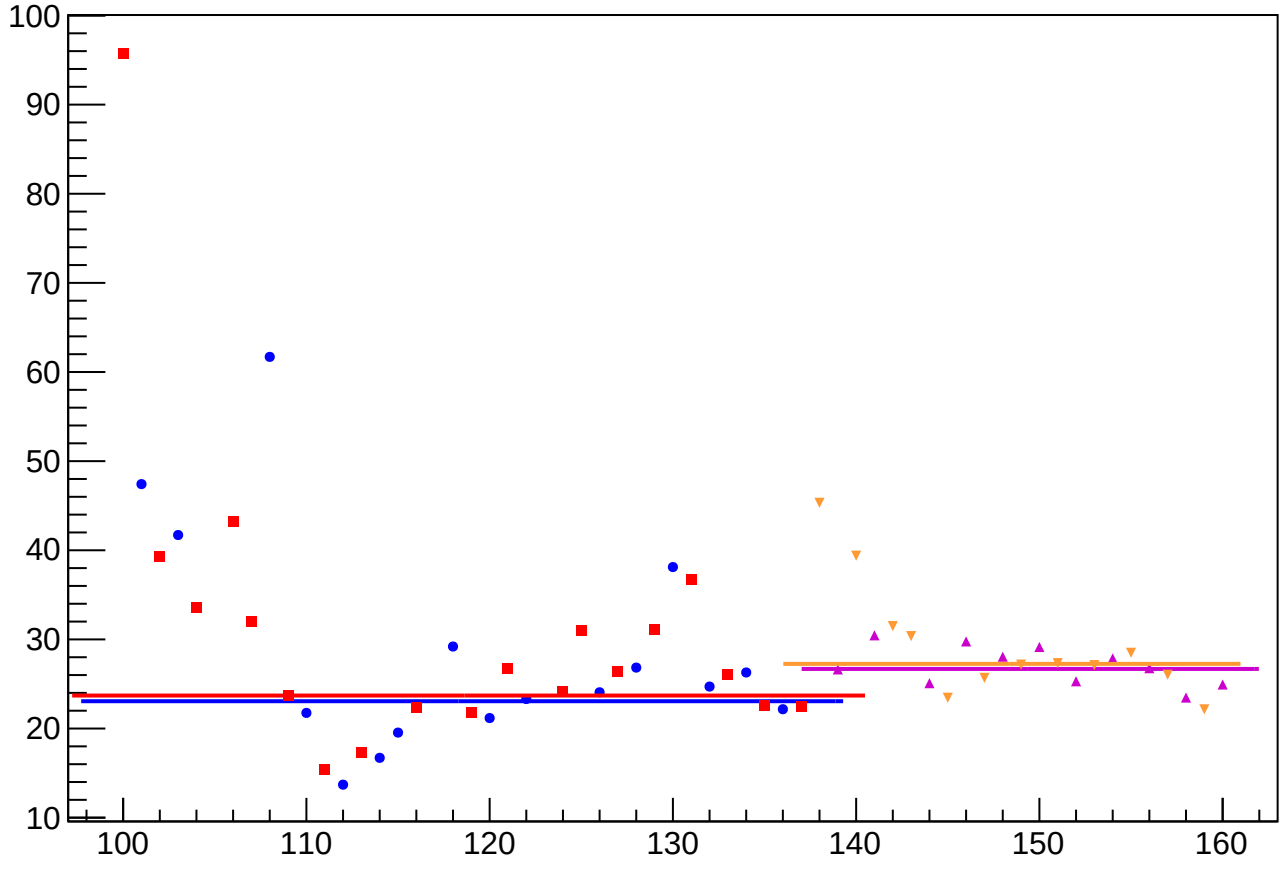
Left: 0.003+/-0.006 χ^2/NDF: 30.0/22

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.004+/-0.005 χ^2/NDF: 73.8/57



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: 26.687+/-0.006 χ^2/NDF:113965.9/10

Left: 26.963+/-0.004 χ^2/NDF: 655471.6/22

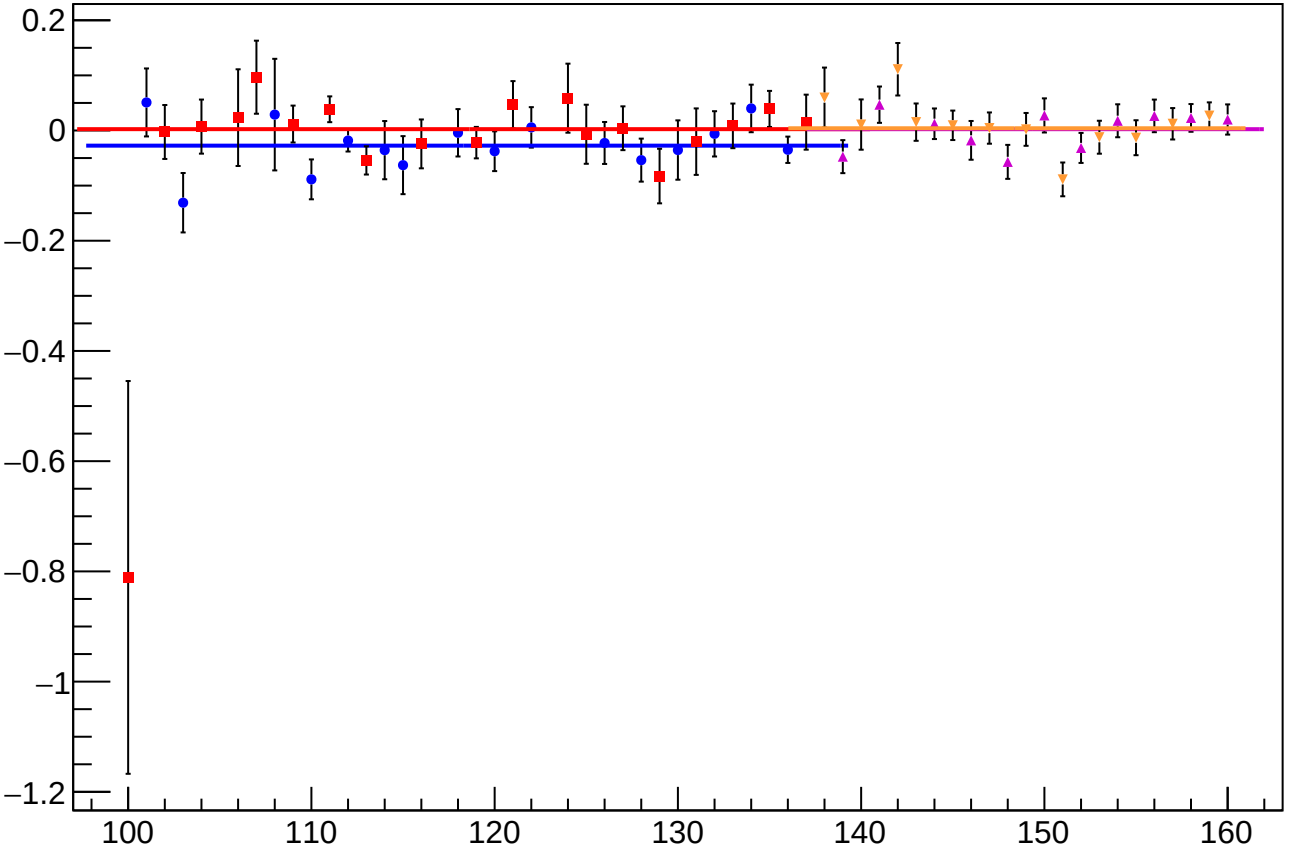
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.984+/-0.005 χ^2/NDF:1835860.0/26

Out: 25.513+/-0.005 χ^2/NDF:1775082.0/30

All: 25.246+/-0.003 χ^2/NDF: 3617633.3/57

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: 0.002+/-0.009 χ^2/NDF:13.0/10

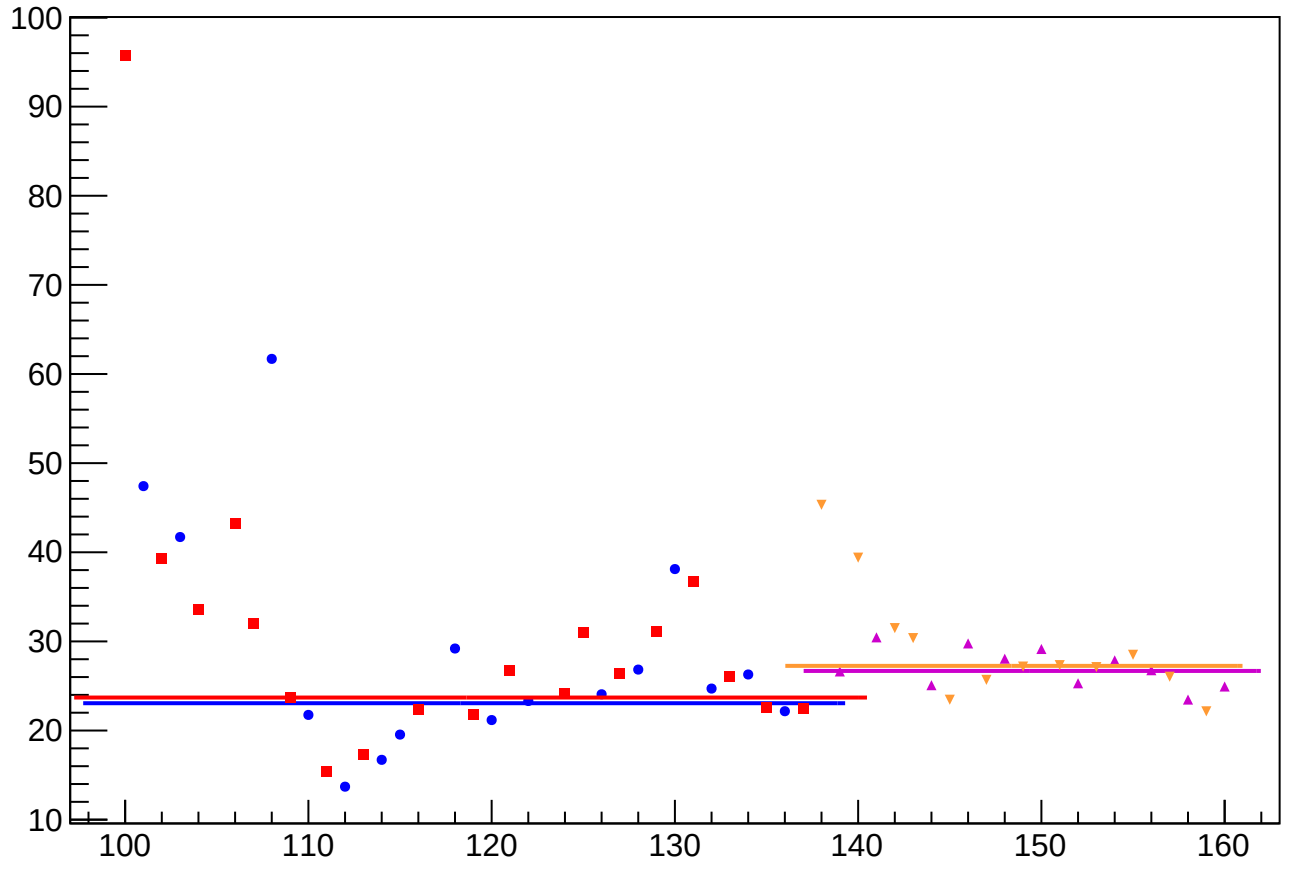
Left: 0.003+/-0.006 χ^2/NDF: 30.0/22

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.004+/-0.005 χ^2/NDF: 73.8/57



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: 26.687+/-0.006 χ^2/NDF:113965.9/10

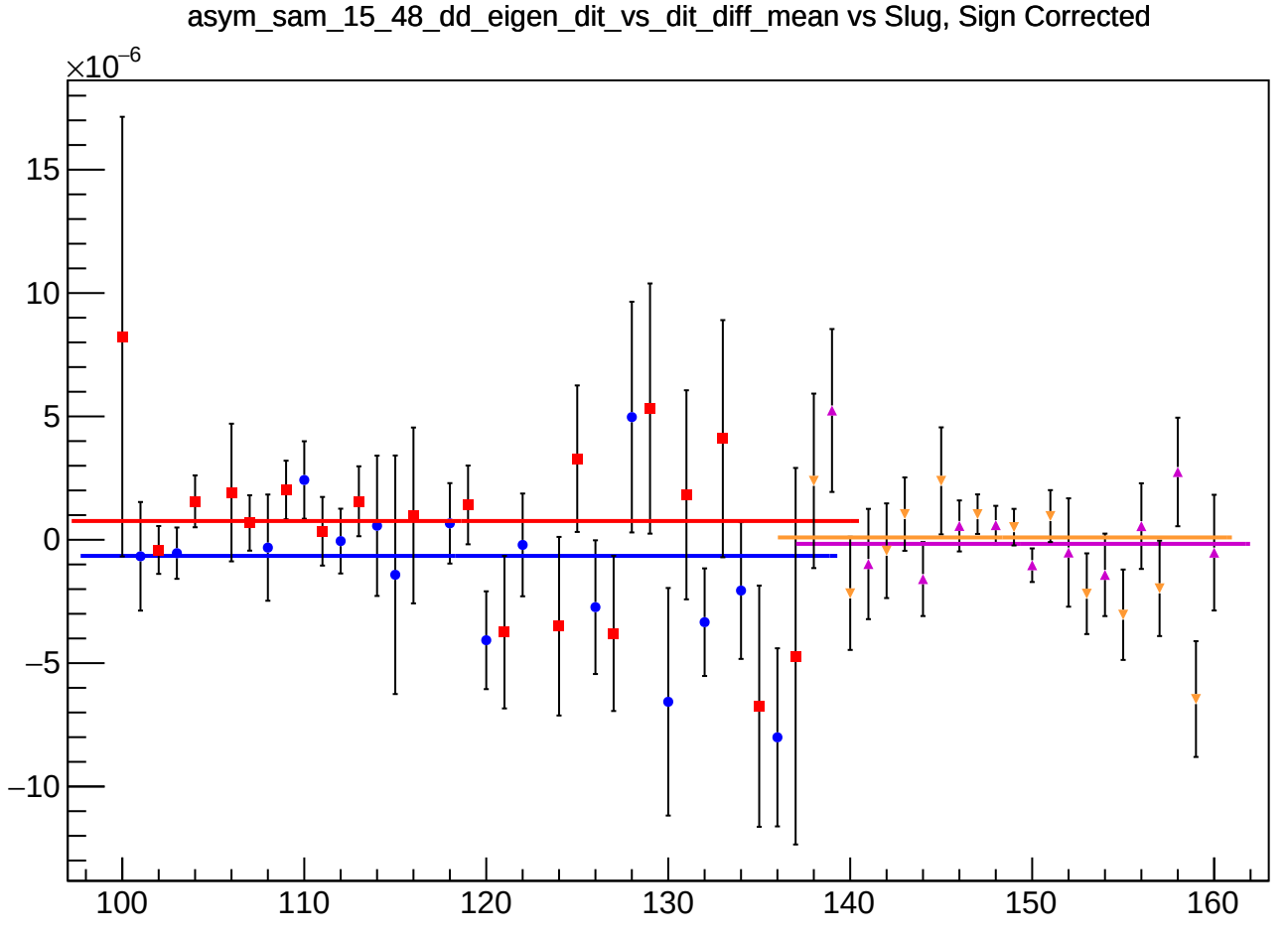
Left: 26.963+/-0.004 χ^2/NDF: 655471.6/22

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.984+/-0.005 χ^2/NDF:1835860.0/26

Out: 25.513+/-0.005 χ^2/NDF:1775082.0/30

All: 25.246+/-0.003 χ^2/NDF: 3617633.3/57



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:9.3/10

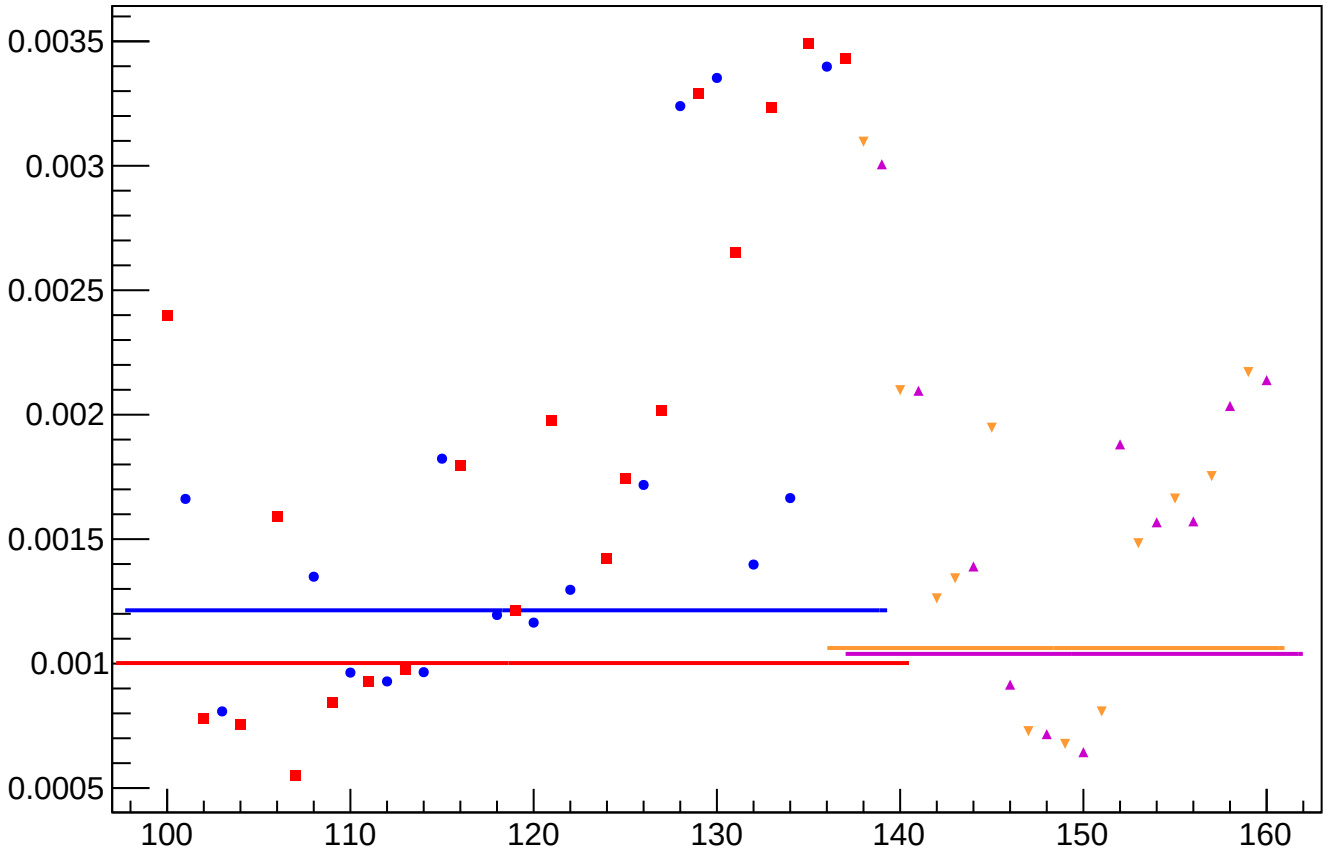
Left: -0.000+/-0.000 χ^2/NDF: 28.7/22

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/26

Out: 0.000+/-0.000 χ^2/NDF:35.7/30

All: 0.000+/-0.000 χ^2/NDF: 66.4/57



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:3840974.2/10

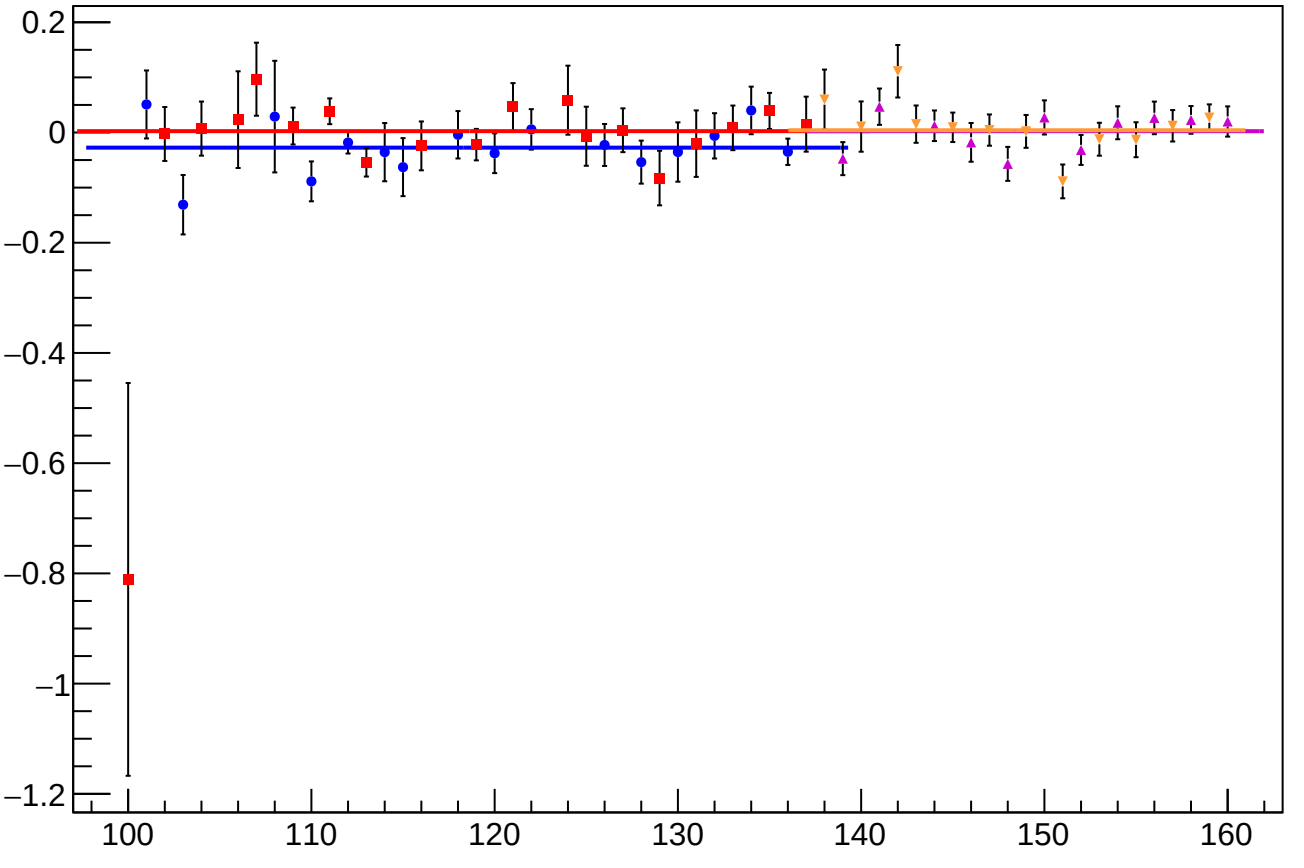
Left: 0.001+/-0.000 χ^2/NDF: 7393400.7/22

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6262626.9/26

Out: 0.001+/-0.000 χ^2/NDF:6848251.4/30

All: 0.001+/-0.000 χ^2/NDF: 13166441.4/57



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: 0.002+/-0.009 χ^2/NDF:13.0/10

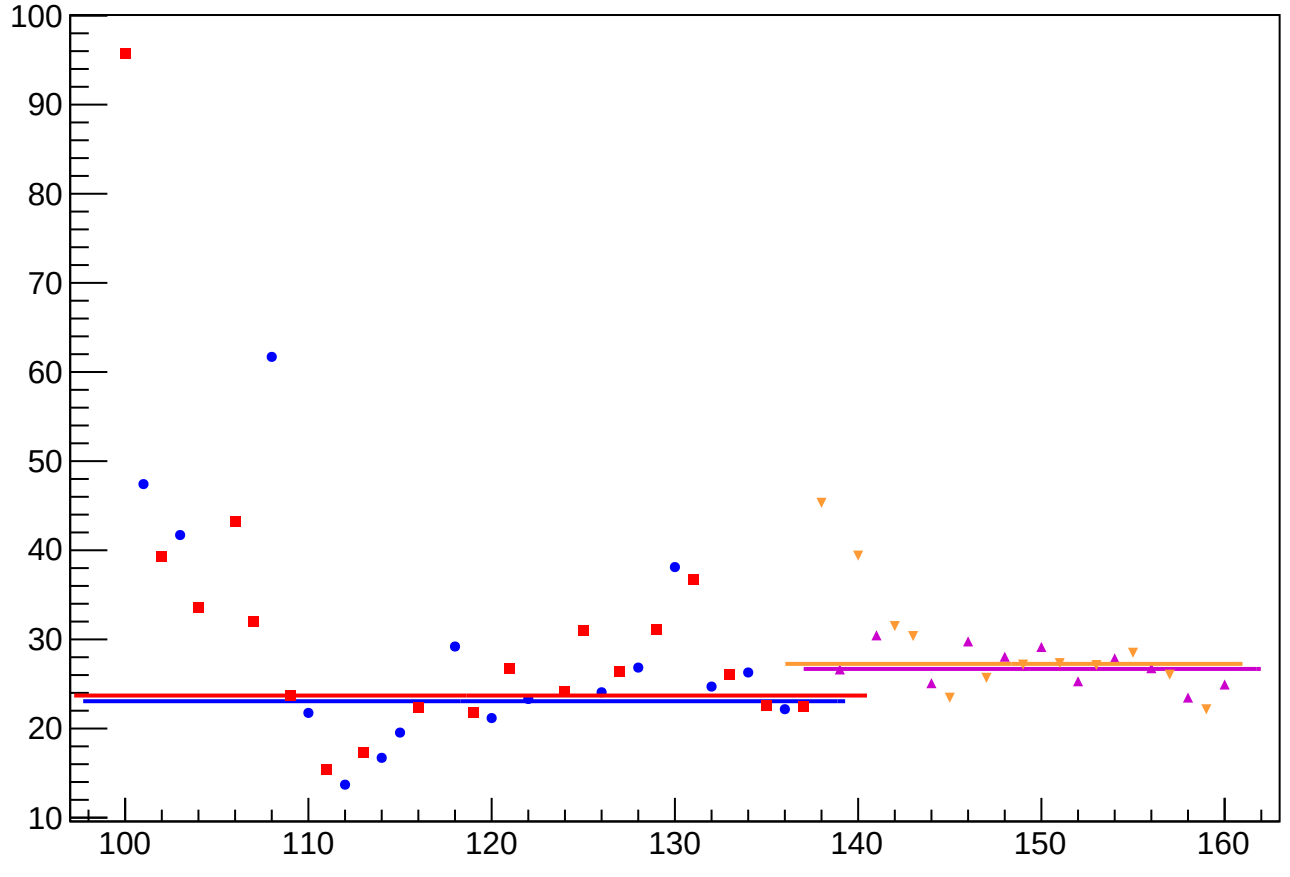
Left: 0.003+/-0.006 χ^2/NDF: 30.0/22

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.004+/-0.005 χ^2/NDF: 73.8/57



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: 26.687+/-0.006 χ^2/NDF:113952.7/10

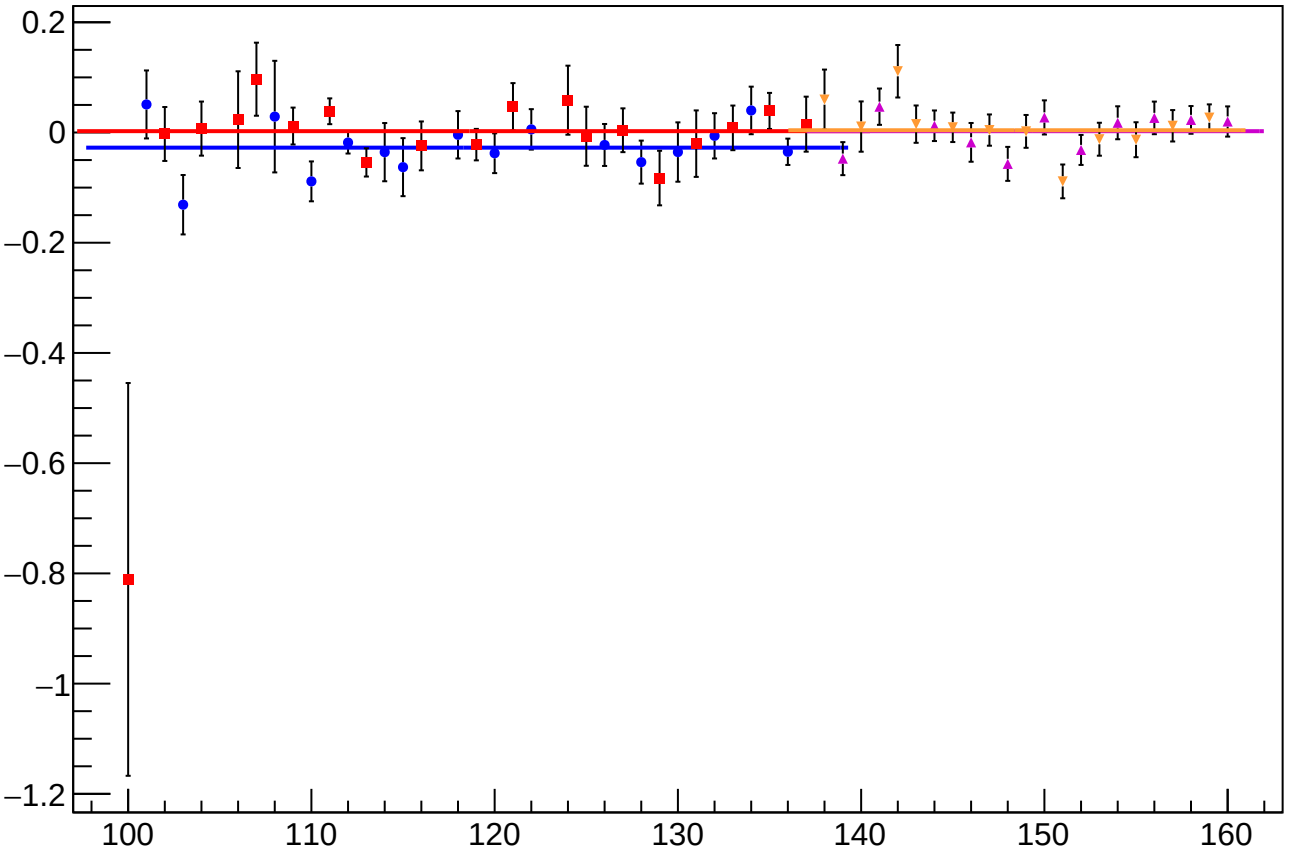
Left: 26.963+/-0.004 χ^2/NDF: 655416.0/22

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.984+/-0.005 χ^2/NDF:1835898.8/26

Out: 25.513+/-0.005 χ^2/NDF:1775126.6/30

All: 25.246+/-0.003 χ^2/NDF: 3617717.6/57



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: 0.002+/-0.009 χ^2/NDF:13.0/10

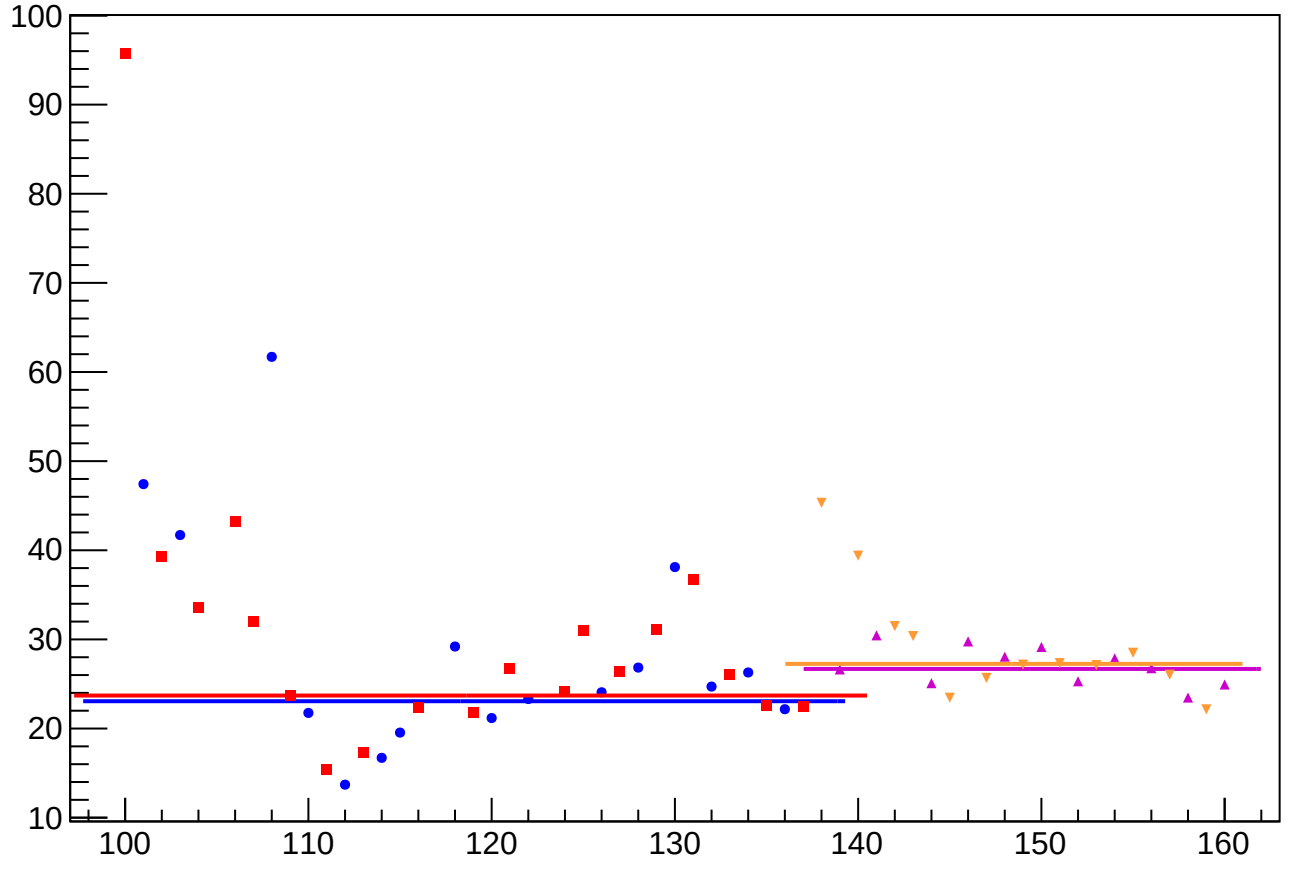
Left: 0.003+/-0.006 χ^2/NDF: 30.0/22

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.003+/-0.007 χ^2/NDF:39.1/30

All: -0.004+/-0.005 χ^2/NDF: 73.8/57



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: 26.687+/-0.006 χ^2/NDF:113952.7/10

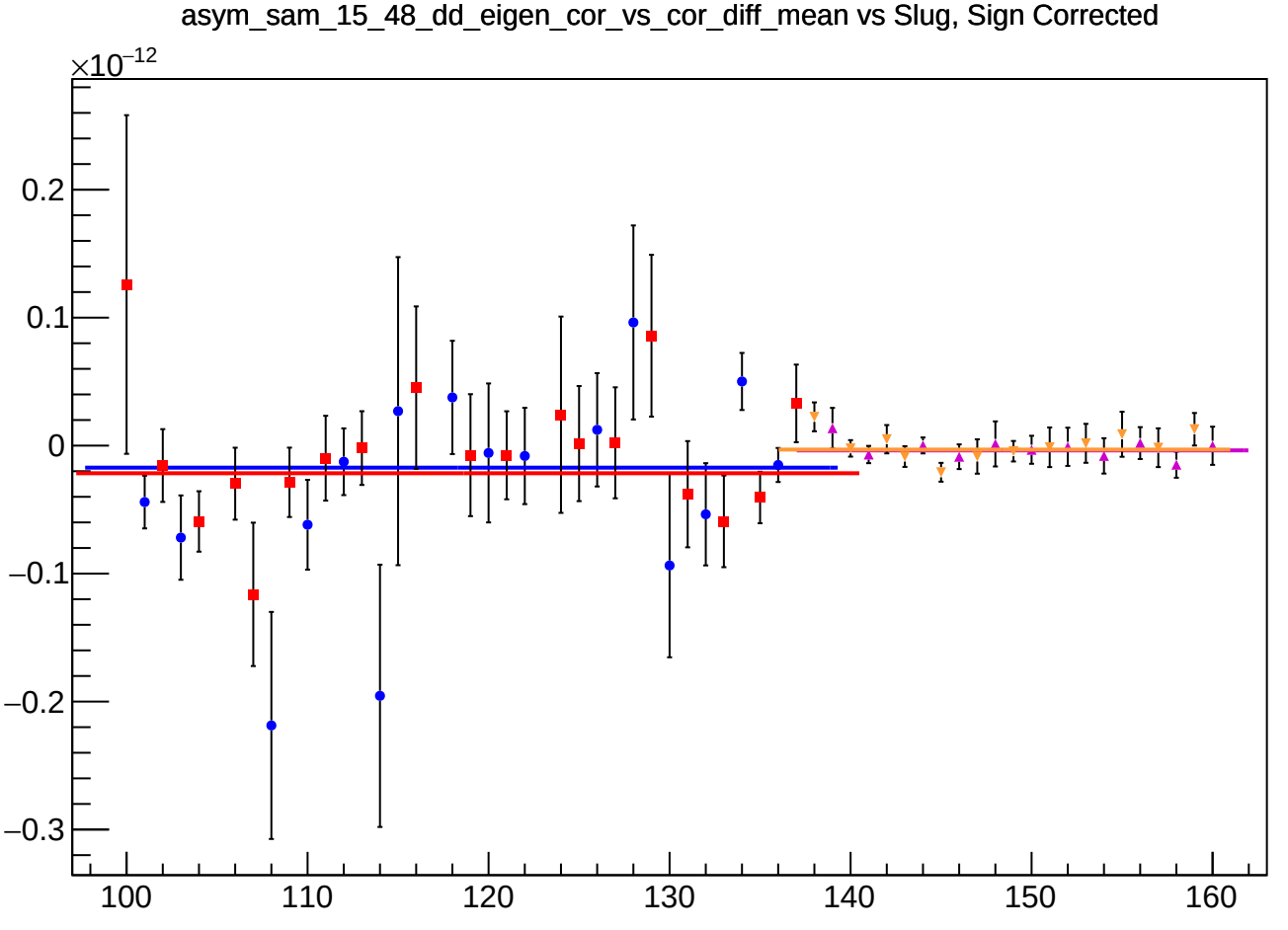
Left: 26.963+/-0.004 χ^2/NDF: 655416.0/22

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.984+/-0.005 χ^2/NDF:1835898.8/26

Out: 25.513+/-0.005 χ^2/NDF:1775126.6/30

All: 25.246+/-0.003 χ^2/NDF: 3617717.6/57



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:3.8/10

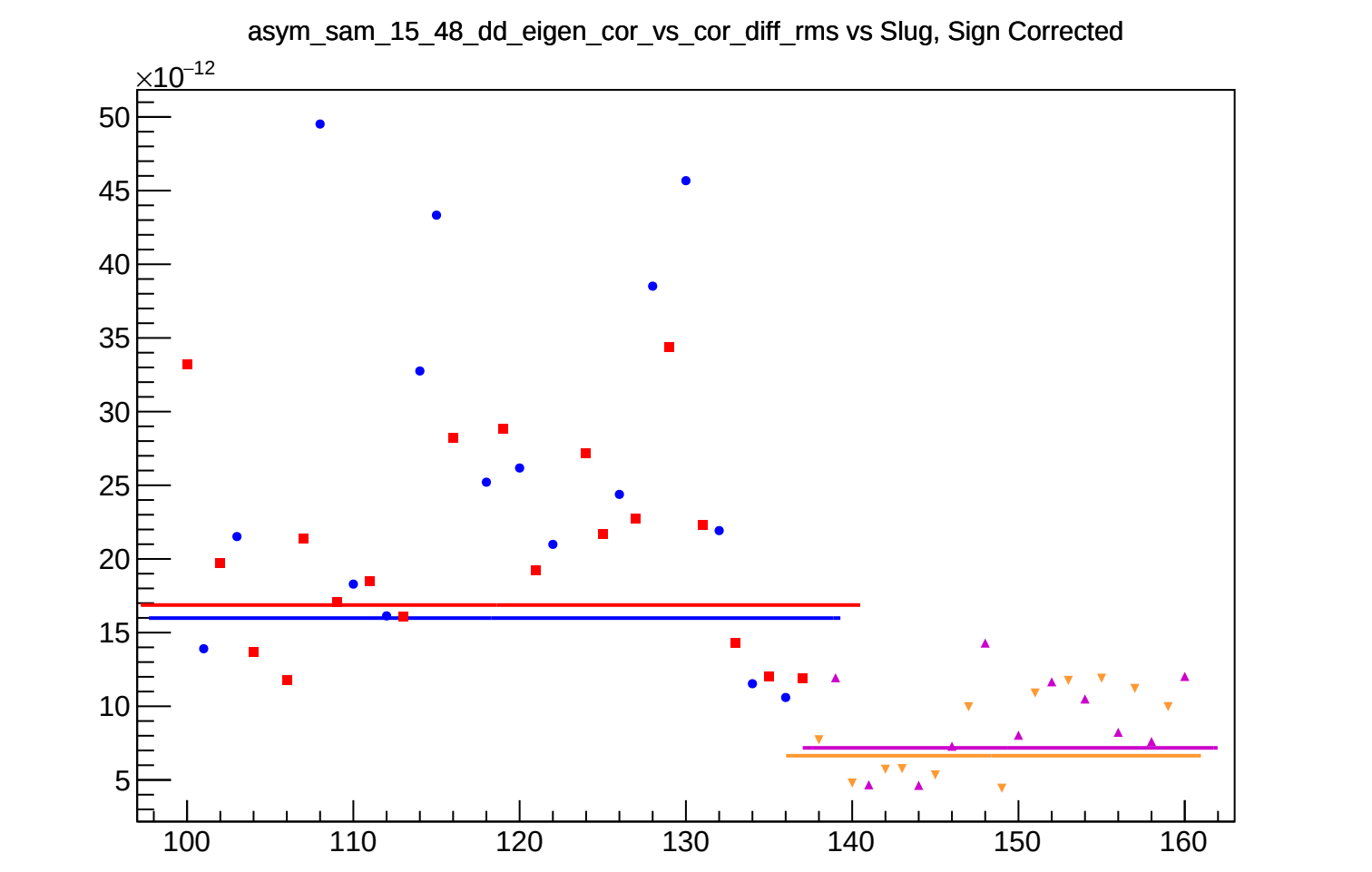
Left: -0.000+/-0.000 χ^2/NDF: 18.1/22

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:36.2/26

Out: -0.000+/-0.000 χ^2/NDF:37.2/30

All: -0.000+/-0.000 χ^2/NDF: 73.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1432863.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1653417.1/10

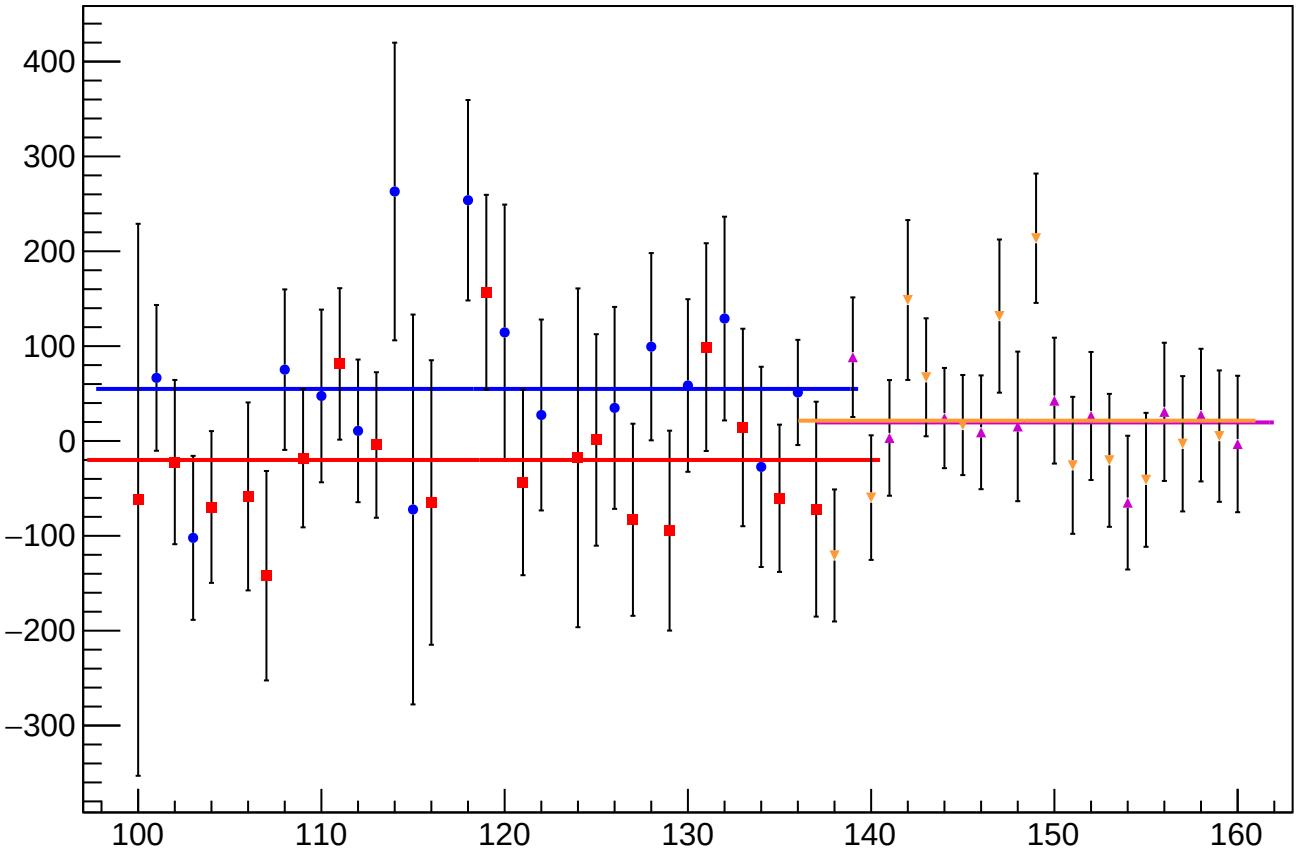
Left: 0.000+/-0.000 χ^2/NDF: 3117384.5/22

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5638894.9/26

Out: 0.000+/-0.000 χ^2/NDF:5221522.0/30

All: 0.000+/-0.000 χ^2/NDF: 10893053.0/57



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: 19.555+/-19.799 χ^2/NDF:3.0/10

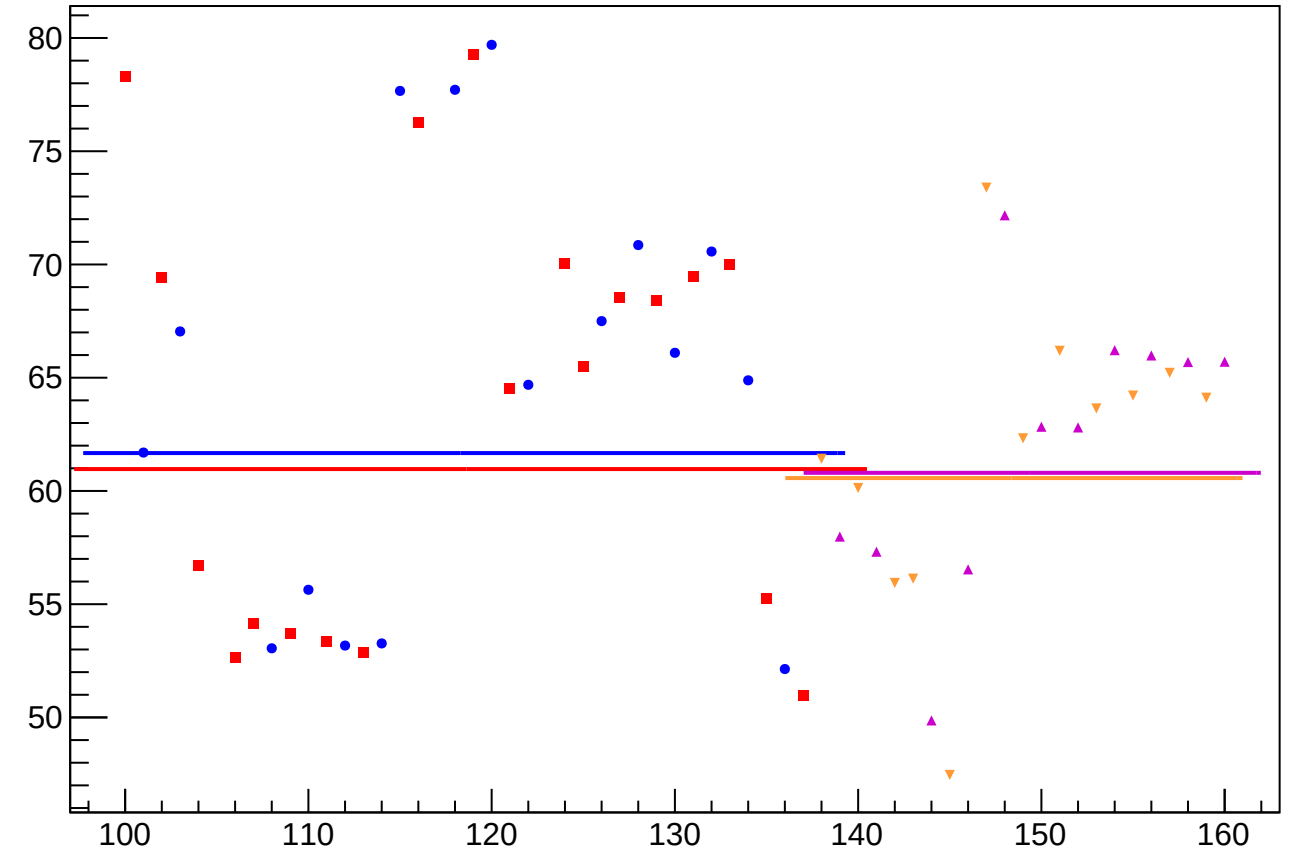
Left: 20.485+/-13.980 χ^2/NDF: 23.1/22

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 34.458+/-15.055 χ^2/NDF:15.4/26

Out: 3.453+/-14.860 χ^2/NDF:31.2/30

All: 18.754+/-10.576 χ^2/NDF: 48.7/57



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: 60.801+/-0.014 χ^2/NDF:192452.2/10

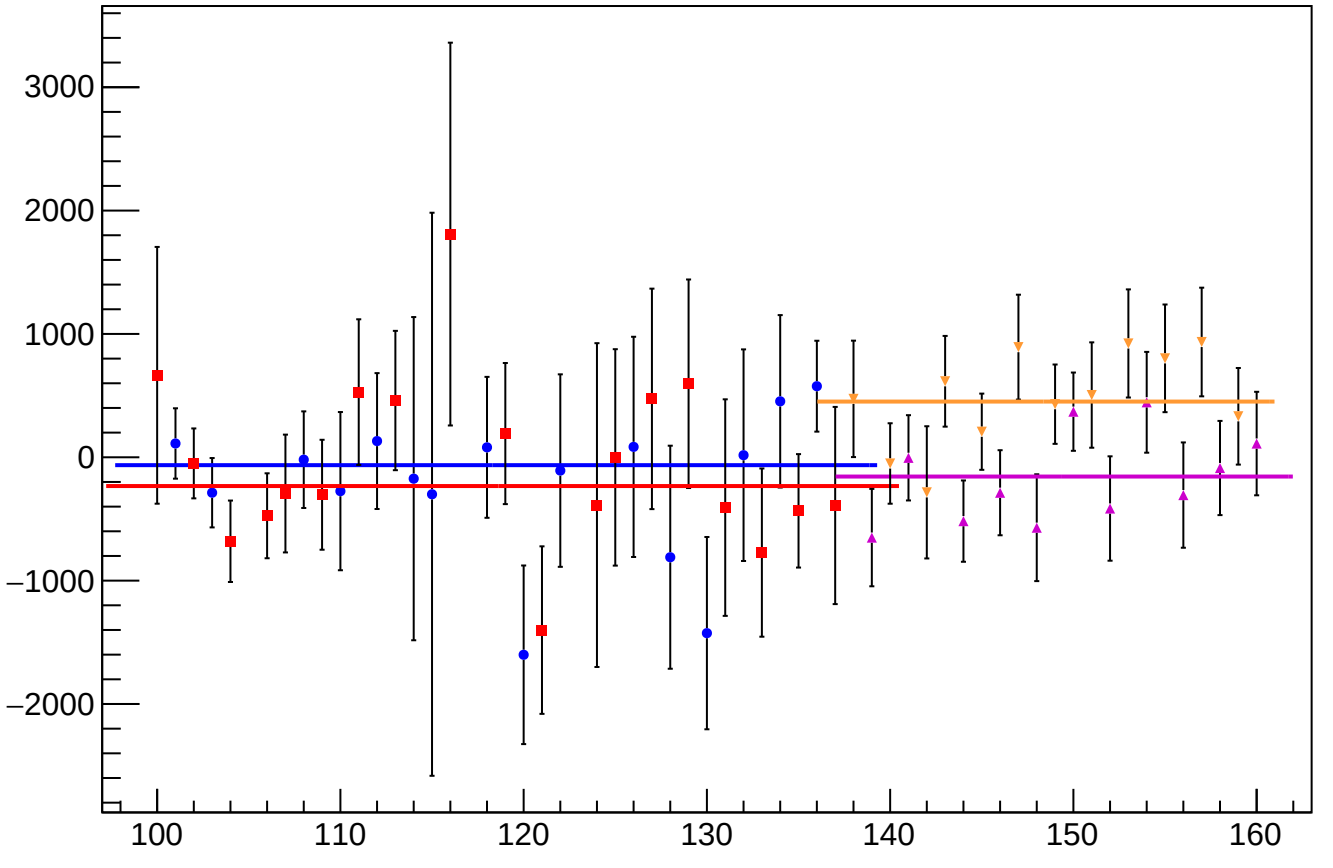
Left: 60.684+/-0.010 χ^2/NDF: 419419.4/22

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.169+/-0.011 χ^2/NDF:461198.4/26

Out: 60.741+/-0.011 χ^2/NDF:511365.0/30

All: 60.952+/-0.007 χ^2/NDF: 973379.6/57



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: -156.160+/-113.756 χ^2/NDF:9.9/10

Left: 149.300+/-80.235 χ^2/NDF: 33.5/22

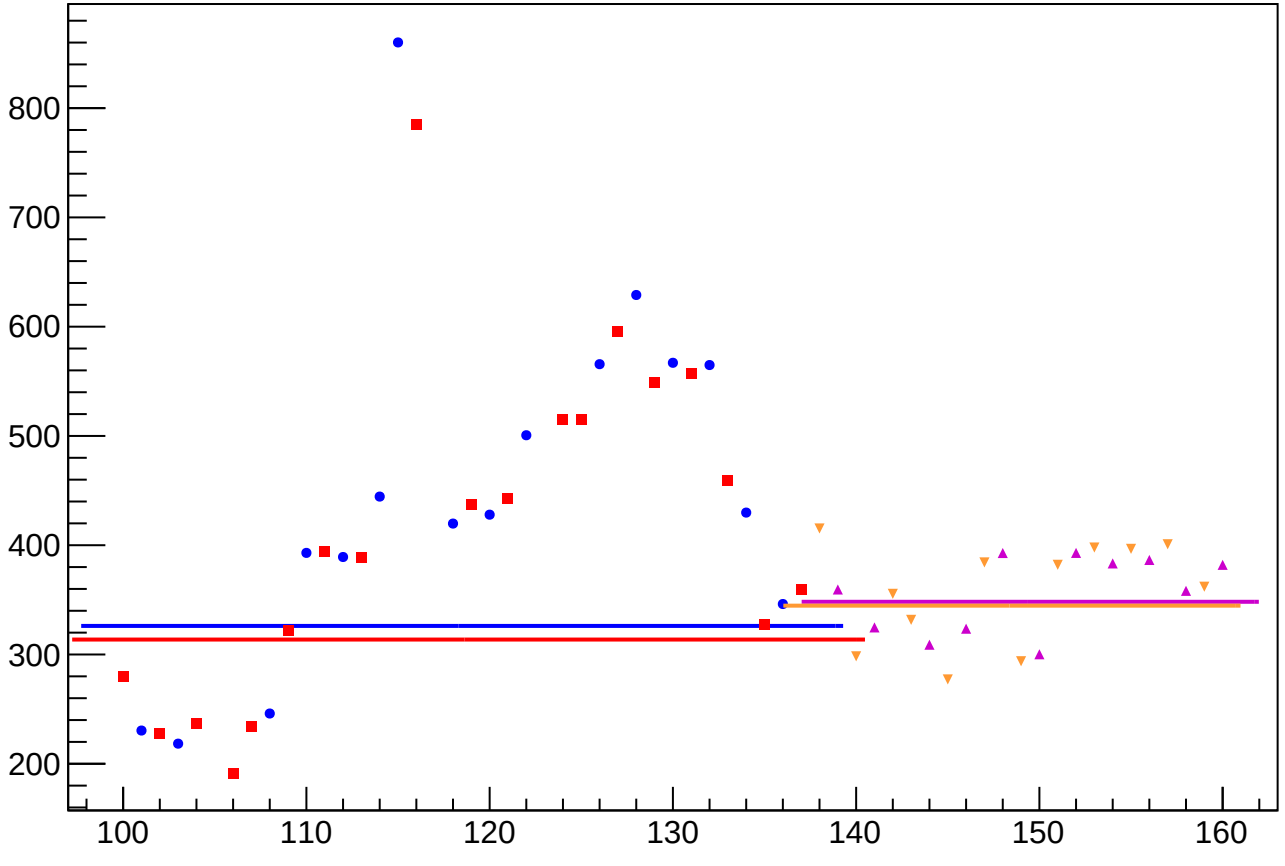
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -116.009+/-85.515 χ^2/NDF:23.4/26

Out: 137.083+/-83.223 χ^2/NDF:40.6/30

All: 13.973+/-59.641 χ^2/NDF: 68.5/57

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: 348.230+/-0.080 χ^2/NDF:184112.4/10

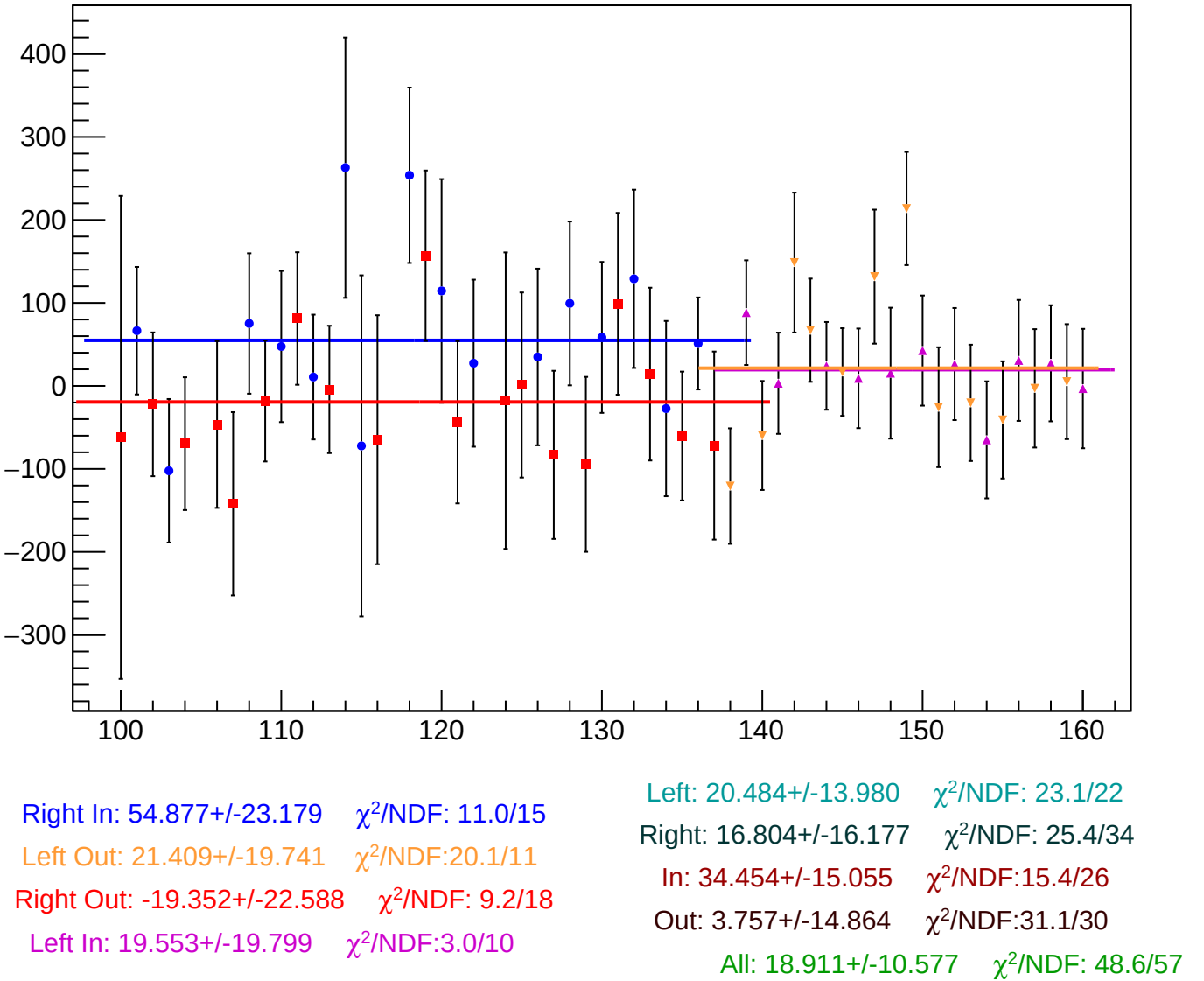
Left: 346.451+/-0.057 χ^2/NDF: 546129.6/22

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 338.627+/-0.060 χ^2/NDF:1950884.0/26

Out: 330.441+/-0.059 χ^2/NDF:2217385.7/30

All: 334.423+/-0.042 χ^2/NDF: 4177680.4/57


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
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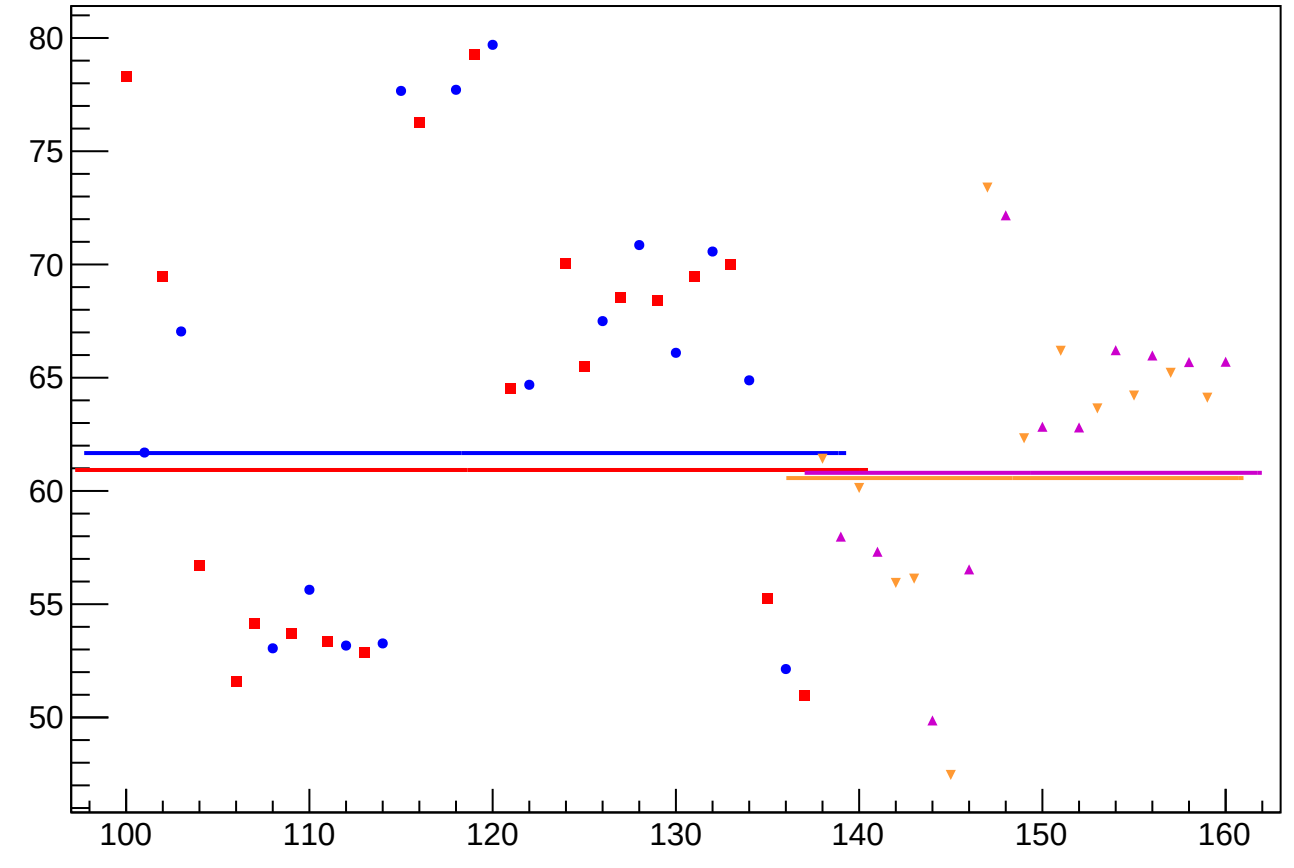
−100
−200
−300
100
110
120
130
140
150
160
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 21.409+/-19.741 χ²/NDF:20.1/11
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 19.553+/-19.799 χ²/NDF:3.0/10
Left: 20.484+/-13.980 χ²/NDF: 23.1/22
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 34.454+/-15.055 χ²/NDF:15.4/26
Out: 3.757+/-14.864 χ²/NDF:31.1/30
All: 18.911+/-10.577 χ²/NDF: 48.6/57



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: 60.801+/-0.014 χ^2/NDF:192452.2/10

Left: 60.684+/-0.010 χ^2/NDF: 419419.4/22

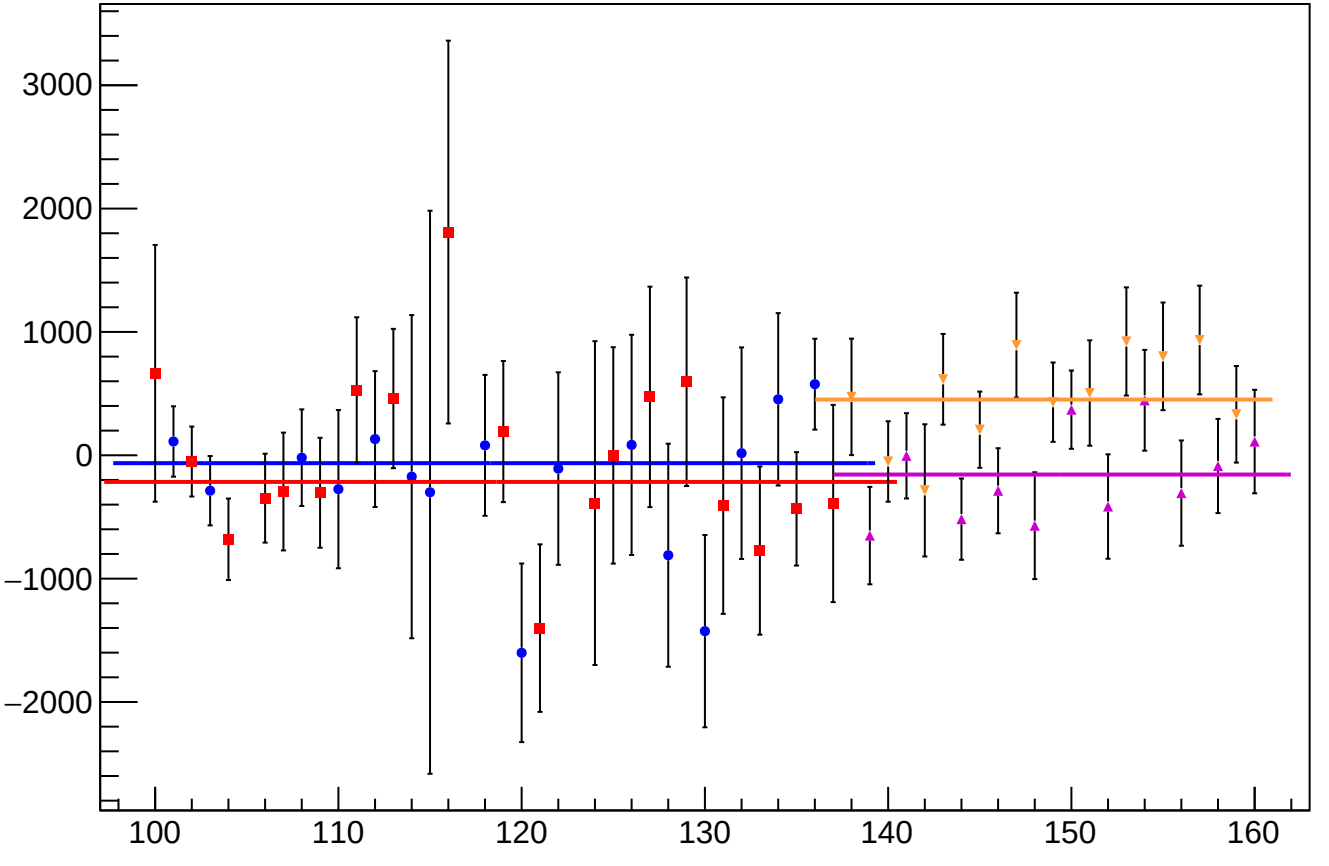
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.169+/-0.011 χ^2/NDF:461198.6/26

Out: 60.723+/-0.011 χ^2/NDF:514692.5/30

All: 60.943+/-0.007 χ^2/NDF: 976776.6/57

asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected



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: -156.160+/-113.756 χ^2/NDF:9.9/10

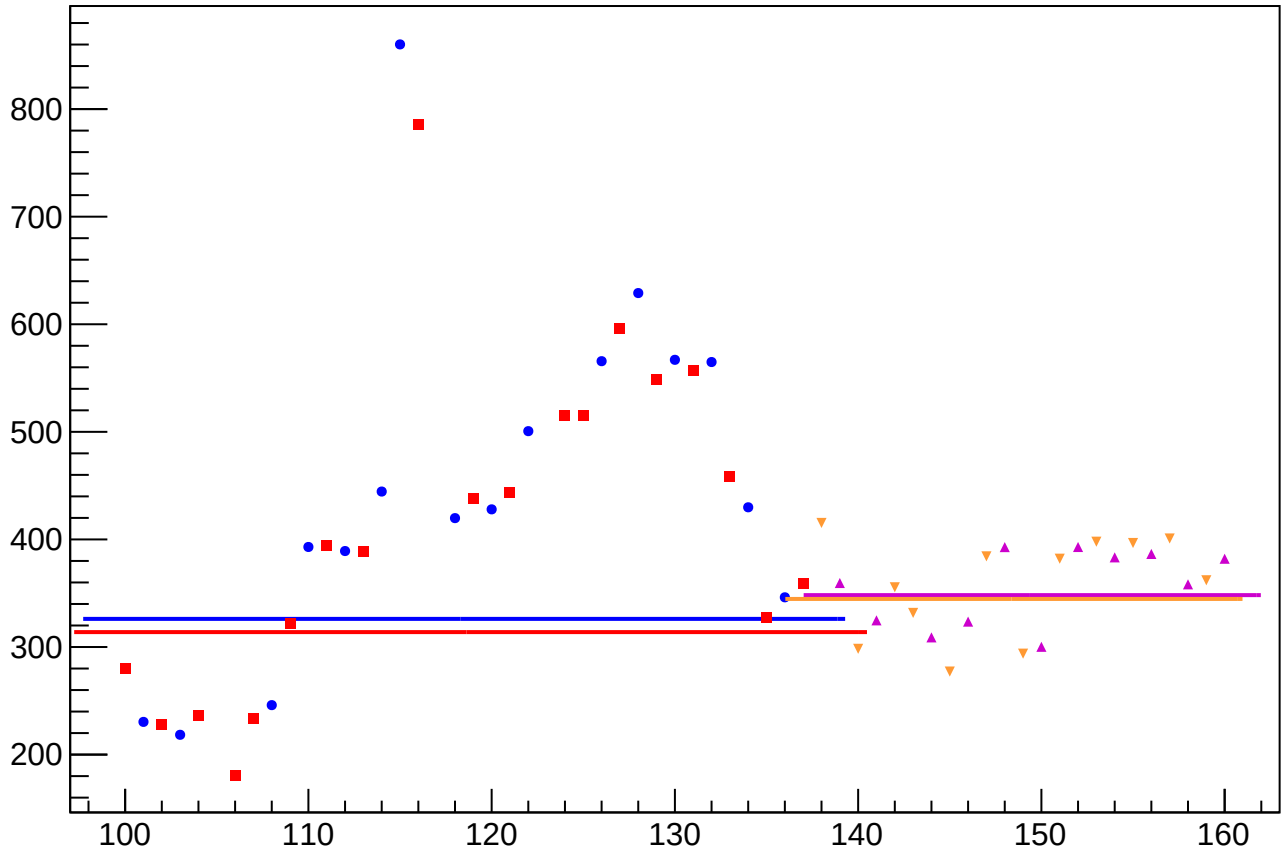
Left: 149.300+/-80.235 χ^2/NDF: 33.5/22

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -116.003+/-85.515 χ^2/NDF:23.4/26

Out: 146.913+/-83.440 χ^2/NDF:39.3/30

All: 18.683+/-59.721 χ^2/NDF: 67.5/57



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: 348.230+/-0.080 χ^2/NDF:184109.7/10

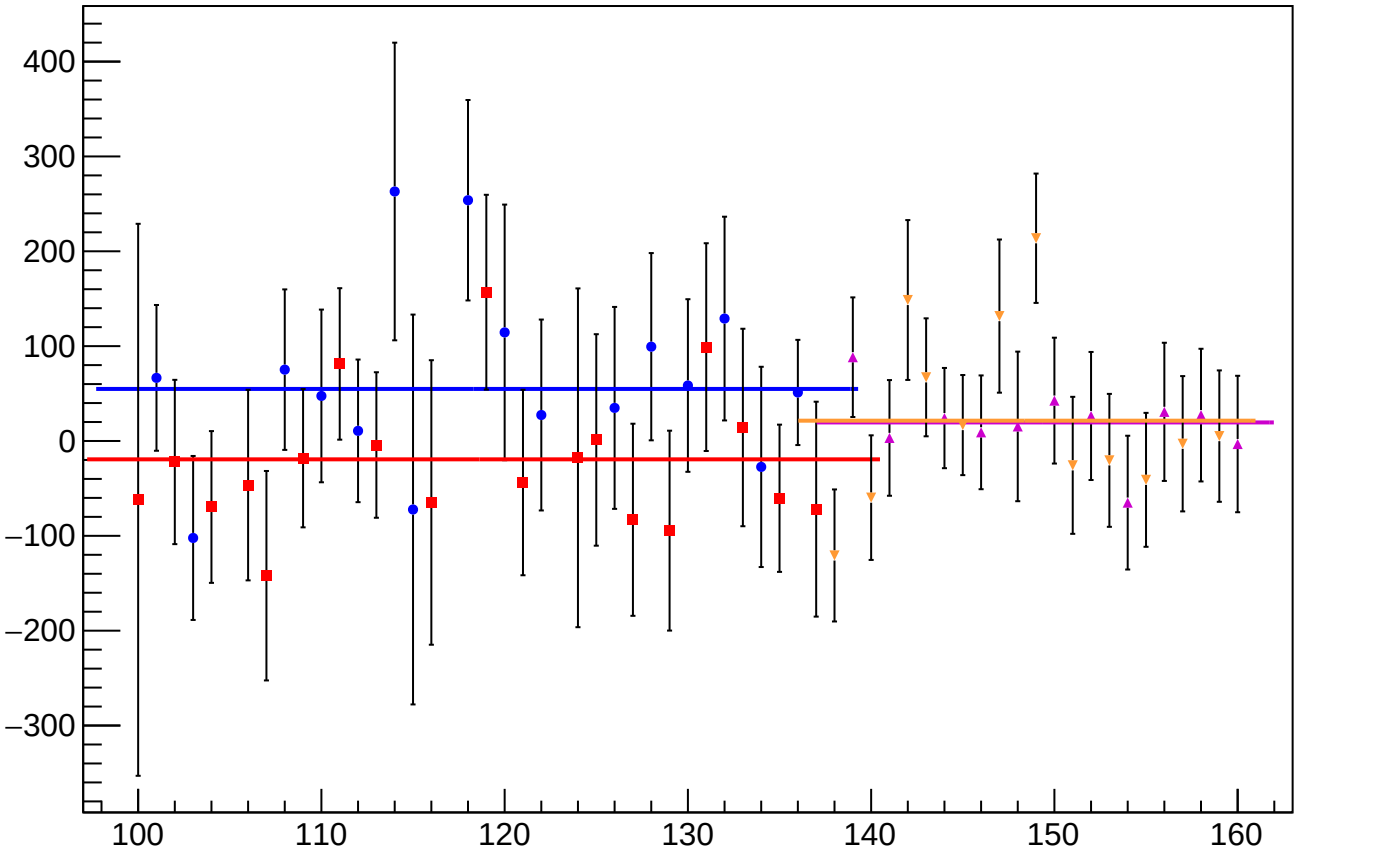
Left: 346.451+/-0.057 χ^2/NDF: 546127.1/22

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 338.628+/-0.060 χ^2/NDF:1950811.9/26

Out: 330.615+/-0.059 χ^2/NDF:2234562.0/30

All: 334.523+/-0.042 χ^2/NDF: 4194369.5/57


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
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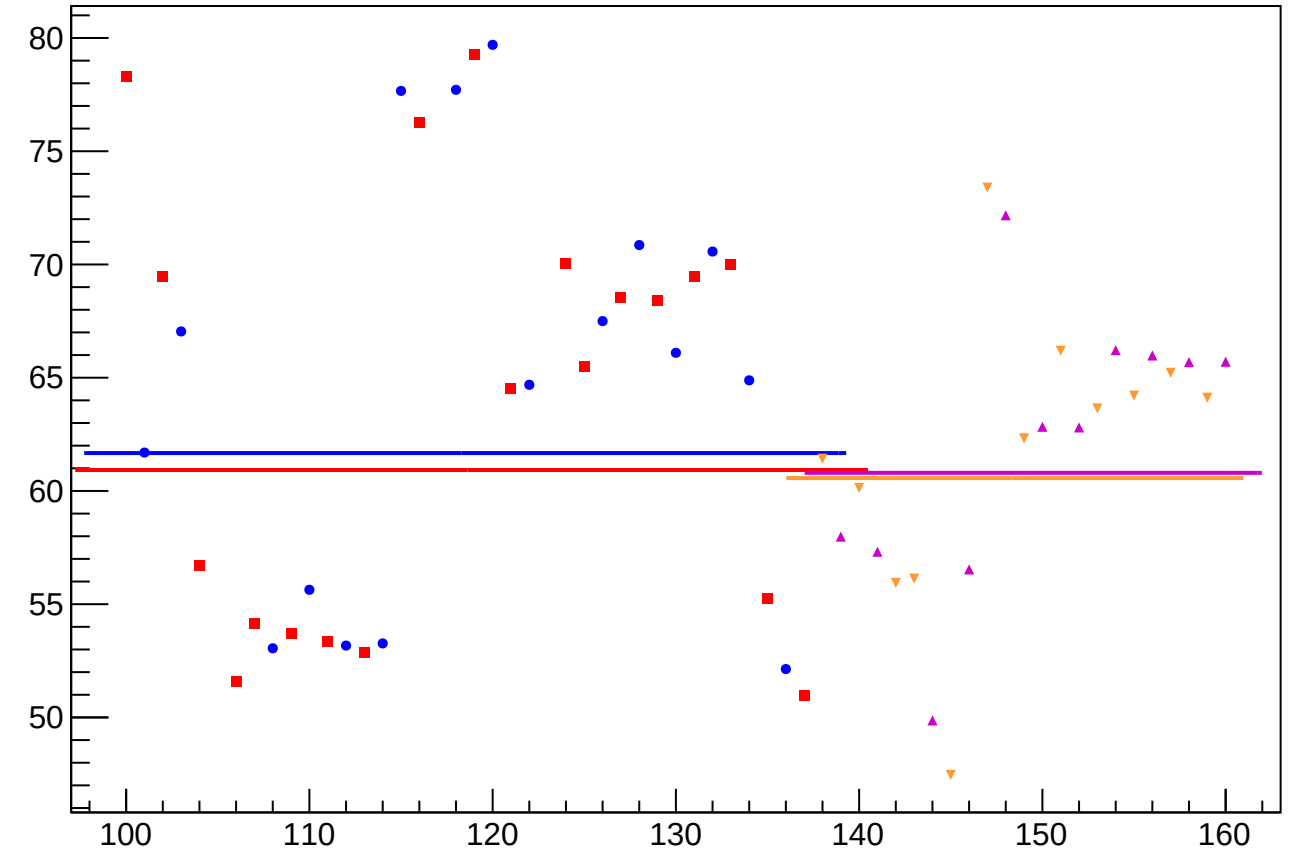
−100
−200
−300
100
110
120
130
140
150
160
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 21.409+/-19.741 χ²/NDF:20.1/11
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 19.553+/-19.799 χ²/NDF:3.0/10
Left: 20.484+/-13.980 χ²/NDF: 23.1/22
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 34.454+/-15.055 χ²/NDF:15.4/26
Out: 3.757+/-14.864 χ²/NDF:31.1/30
All: 18.911+/-10.577 χ²/NDF: 48.6/57



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: 60.801+/-0.014 χ^2/NDF:192452.2/10

Left: 60.684+/-0.010 χ^2/NDF: 419419.4/22

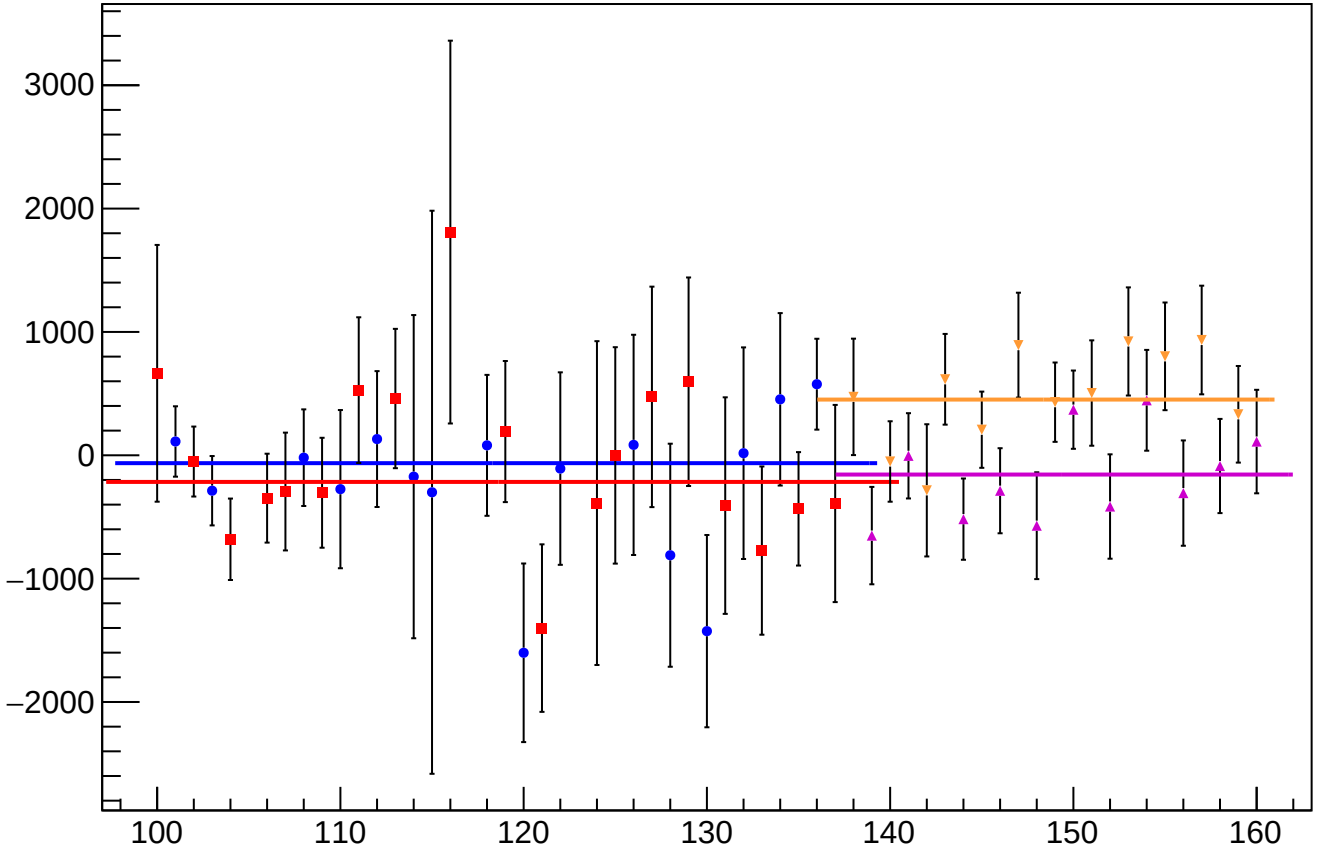
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.169+/-0.011 χ^2/NDF:461198.6/26

Out: 60.723+/-0.011 χ^2/NDF:514692.5/30

All: 60.943+/-0.007 χ^2/NDF: 976776.6/57

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -156.160+/-113.756 χ^2/NDF:9.9/10

Left: 149.300+/-80.235 χ^2/NDF: 33.5/22

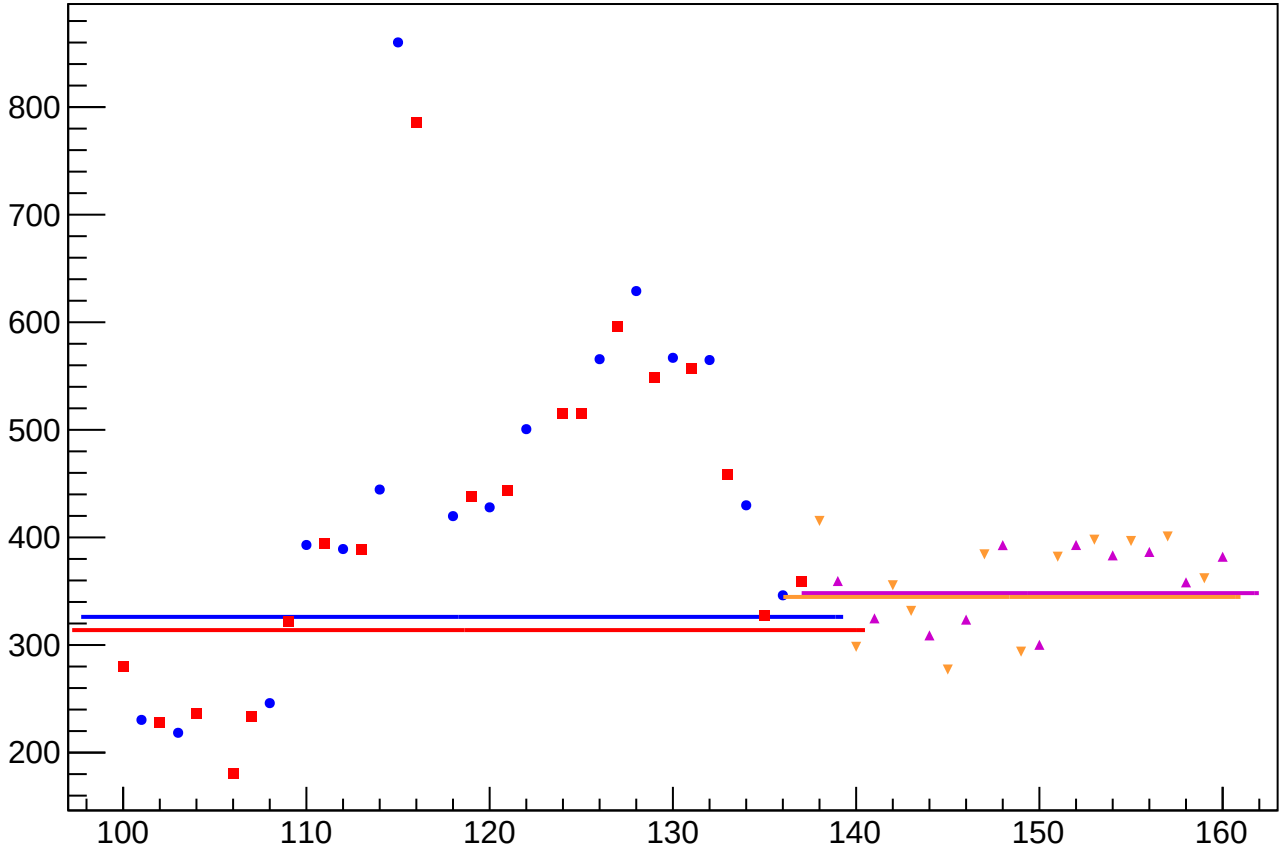
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -116.003+/-85.515 χ^2/NDF:23.4/26

Out: 146.913+/-83.440 χ^2/NDF:39.3/30

All: 18.683+/-59.721 χ^2/NDF: 67.5/57

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: 348.230+/-0.080 χ^2/NDF:184109.7/10

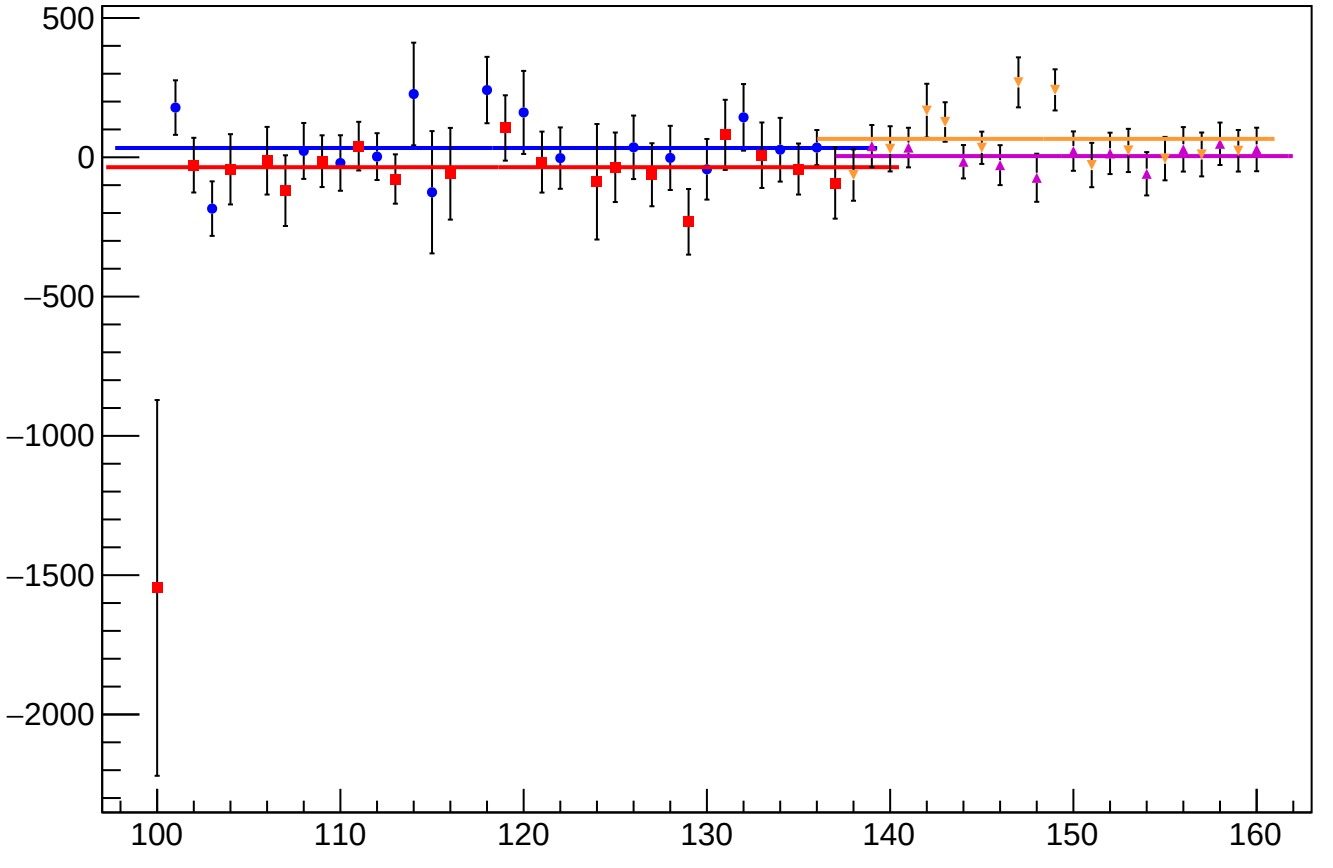
Left: 346.451+/-0.057 χ^2/NDF: 546127.1/22

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 338.628+/-0.060 χ^2/NDF:1950811.9/26

Out: 330.615+/-0.059 χ^2/NDF:2234562.0/30

All: 334.523+/-0.042 χ^2/NDF: 4194369.5/57



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: 4.314+/-22.254 χ^2/NDF:2.8/10

Left: 35.166+/-15.751 χ^2/NDF: 25.1/22

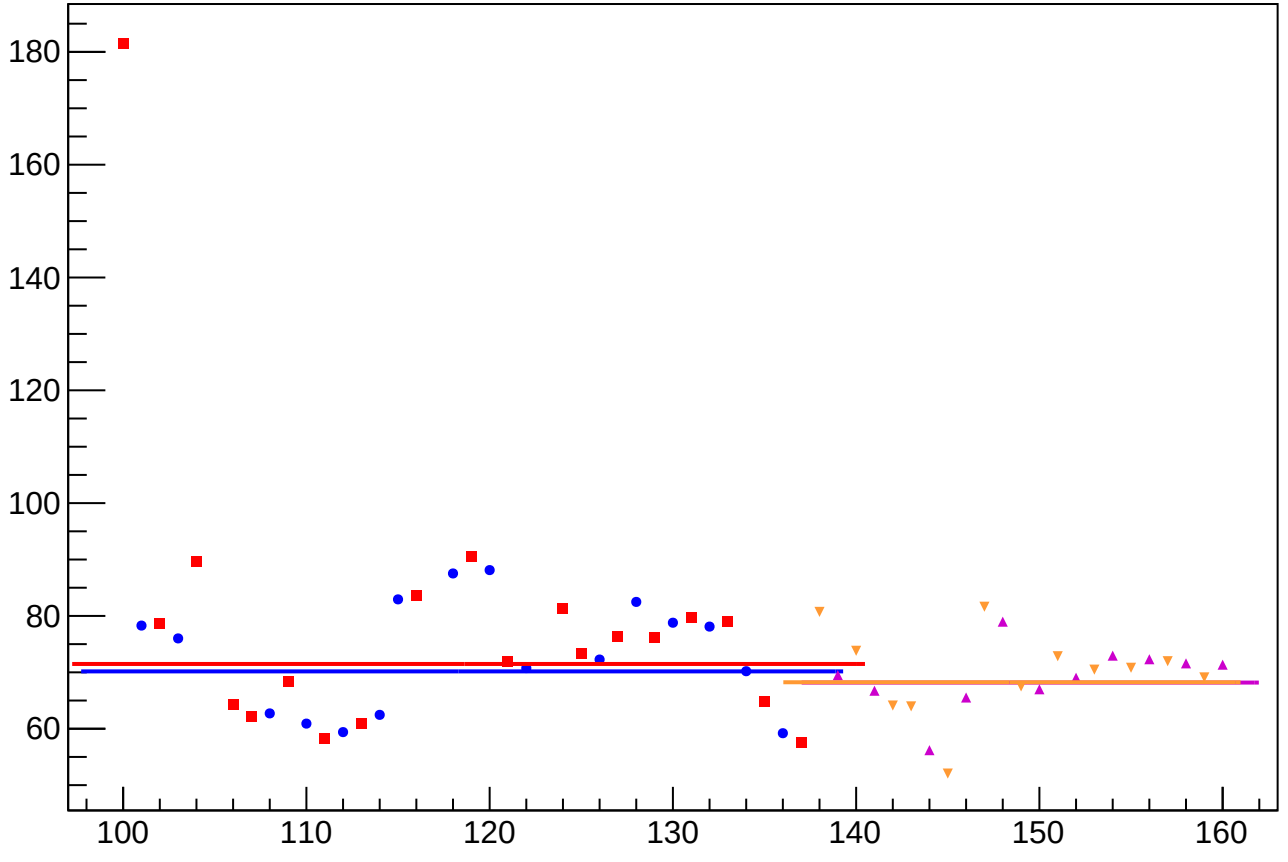
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 16.388+/-17.019 χ^2/NDF:18.1/26

Out: 24.044+/-17.071 χ^2/NDF:39.1/30

All: 20.204+/-12.053 χ^2/NDF: 57.3/57

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: 68.185+/-0.016 χ^2/NDF:136641.8/10

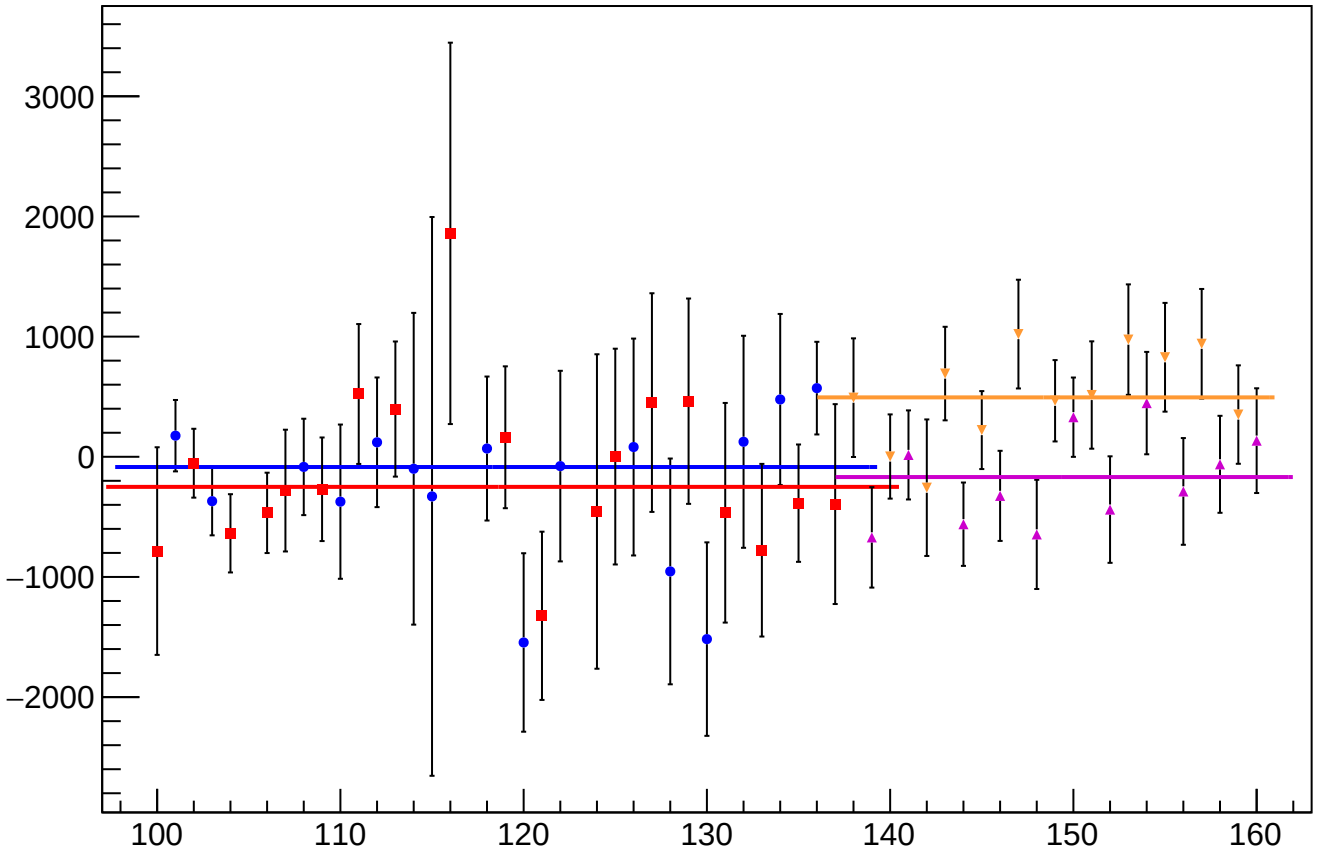
Left: 68.213+/-0.011 χ^2/NDF: 409998.0/22

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.008+/-0.012 χ^2/NDF:412477.7/26

Out: 69.582+/-0.012 χ^2/NDF:616572.7/30

All: 69.294+/-0.009 χ^2/NDF: 1030185.4/57



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: -168.613+/-119.924 χ^2/NDF:9.6/10

Left: 165.041+/-84.518 χ^2/NDF: 33.8/22

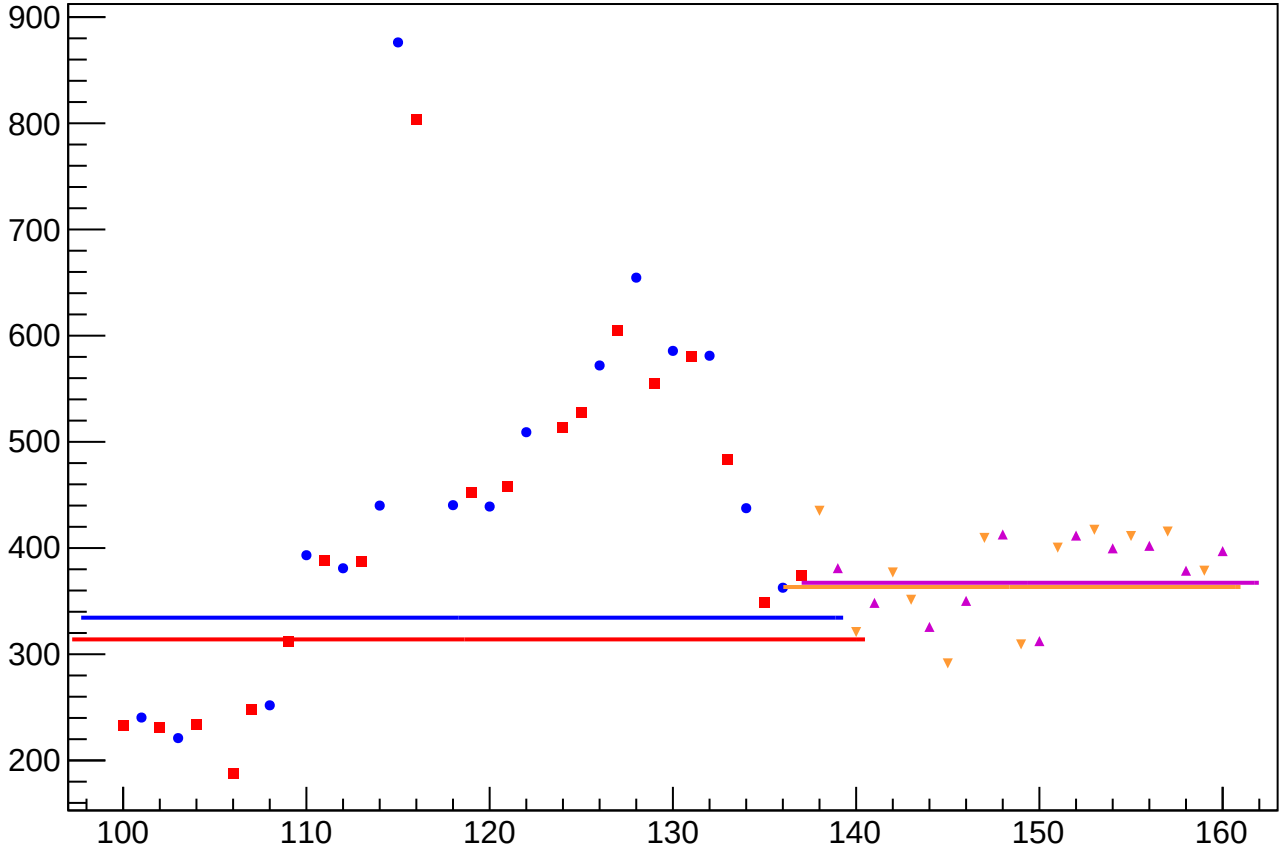
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -131.162+/-89.027 χ^2/NDF:23.5/26

Out: 134.736+/-85.675 χ^2/NDF:40.1/30

All: 6.887+/-61.733 χ^2/NDF: 68.3/57

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: 367.296+/-0.085 χ^2/NDF:170595.9/10

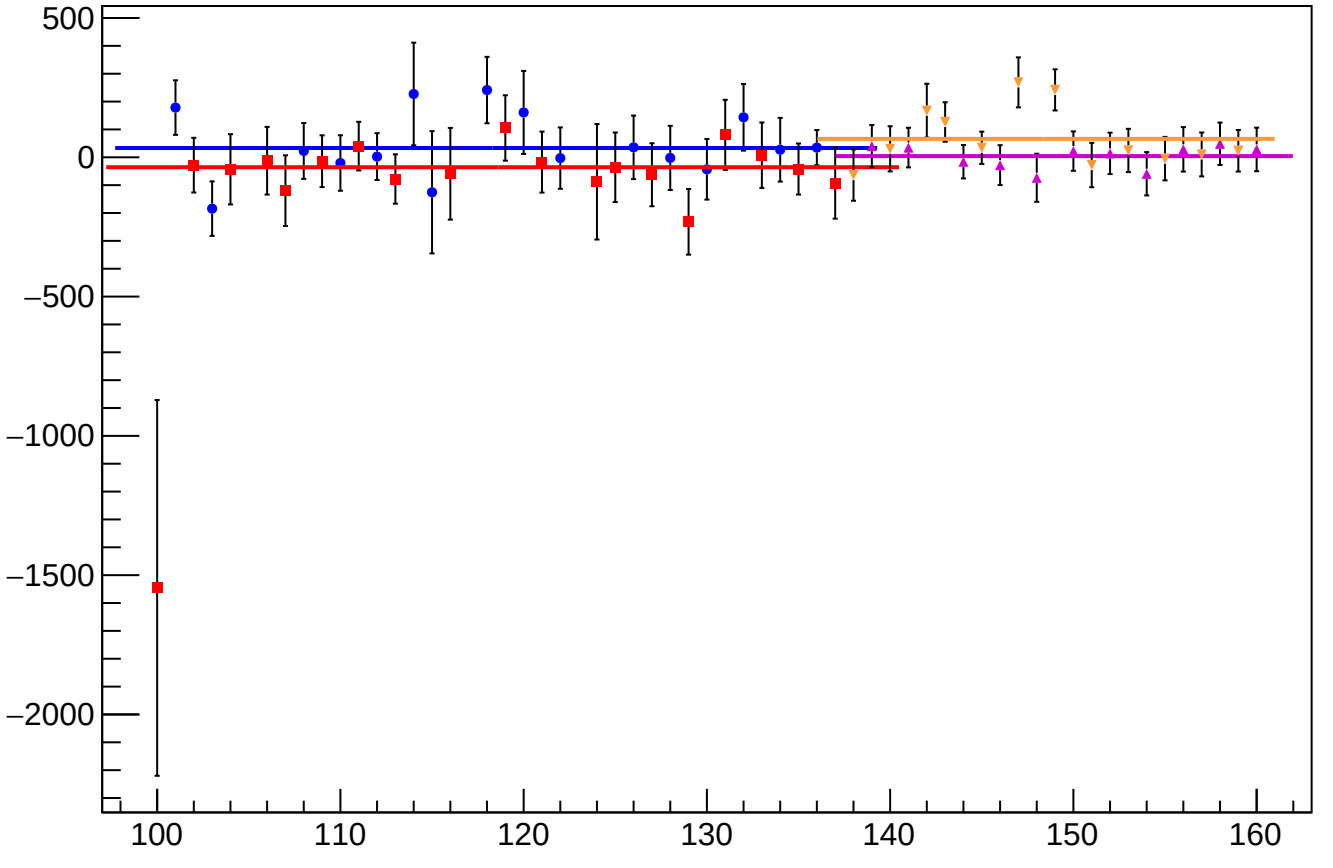
Left: 365.289+/-0.060 χ^2/NDF: 509449.5/22

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 352.543+/-0.063 χ^2/NDF:1968633.5/26

Out: 339.488+/-0.061 χ^2/NDF:2407962.4/30

All: 345.765+/-0.044 χ^2/NDF: 4398923.5/57



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: 4.314+/-22.254 χ^2/NDF:2.8/10

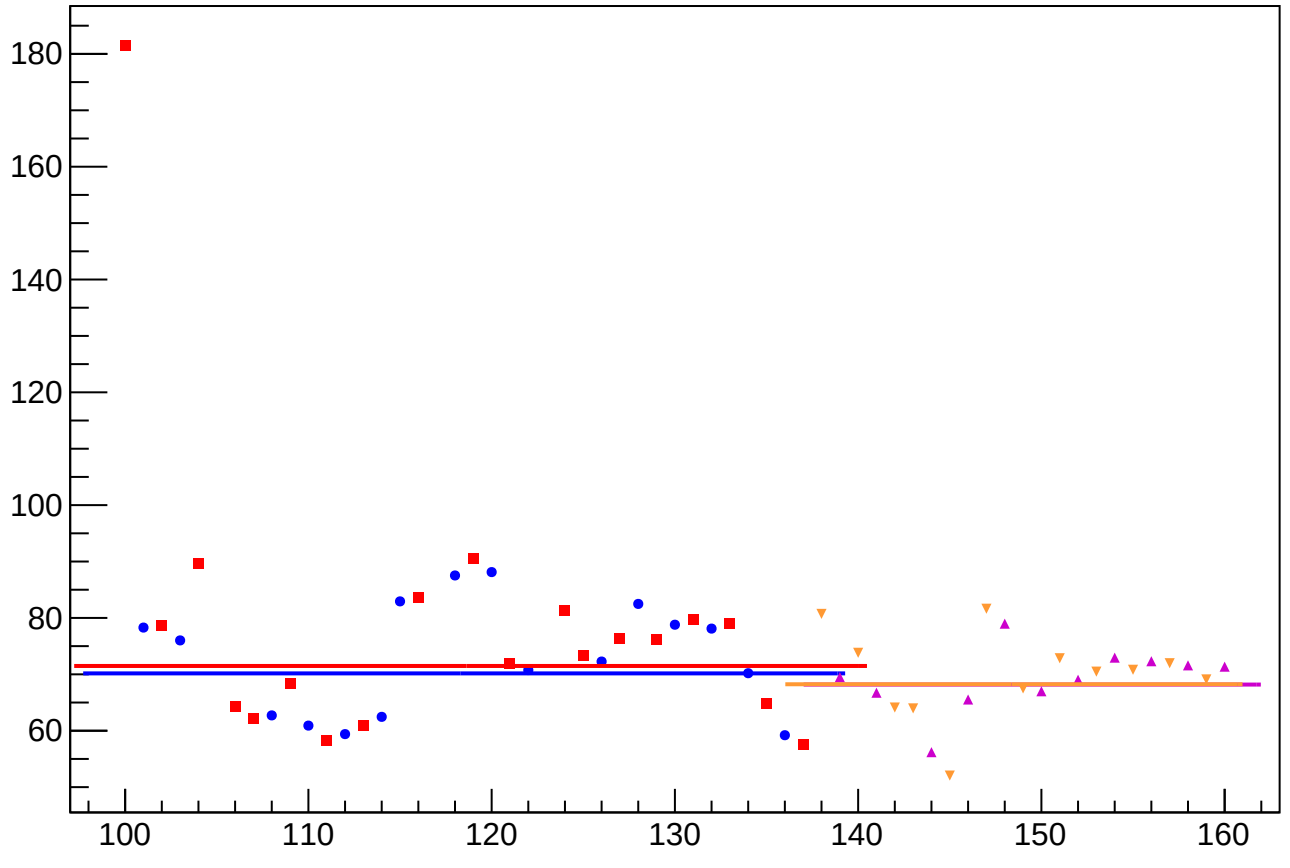
Left: 35.166+/-15.751 χ^2/NDF: 25.1/22

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 16.387+/-17.019 χ^2/NDF:18.1/26

Out: 24.044+/-17.071 χ^2/NDF:39.1/30

All: 20.204+/-12.053 χ^2/NDF: 57.3/57



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: 68.185+/-0.016 χ^2/NDF:136643.0/10

Left: 68.213+/-0.011 χ^2/NDF: 410003.8/22

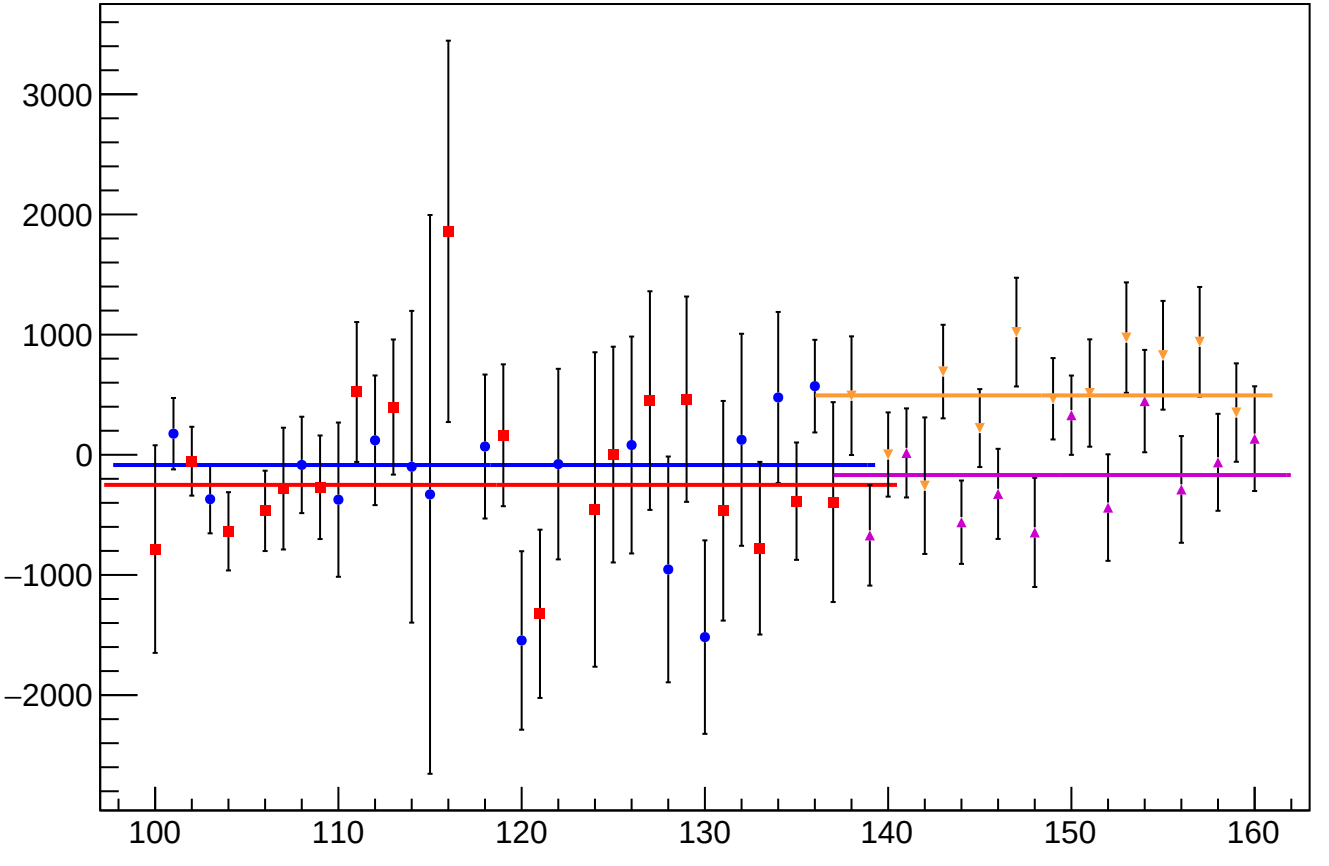
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.008+/-0.012 χ^2/NDF:412482.8/26

Out: 69.582+/-0.012 χ^2/NDF:616585.0/30

All: 69.294+/-0.009 χ^2/NDF: 1030202.6/57

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -168.613+/-119.924 χ^2/NDF:9.6/10

Left: 165.041+/-84.518 χ^2/NDF: 33.8/22

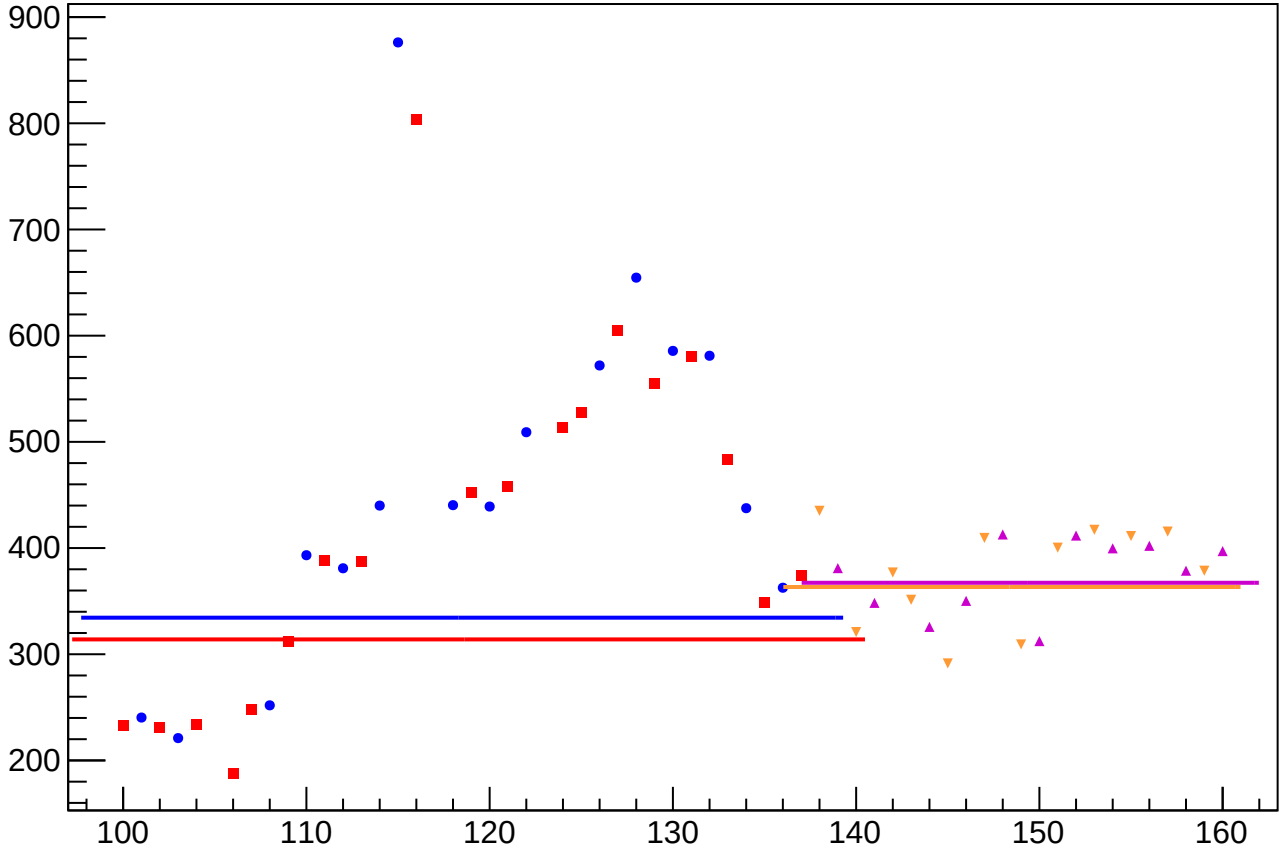
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -131.163+/-89.027 χ^2/NDF:23.5/26

Out: 134.736+/-85.675 χ^2/NDF:40.1/30

All: 6.887+/-61.733 χ^2/NDF: 68.3/57

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: 367.296+/-0.085 χ^2/NDF:170595.4/10

Left: 365.289+/-0.060 χ^2/NDF: 509452.7/22

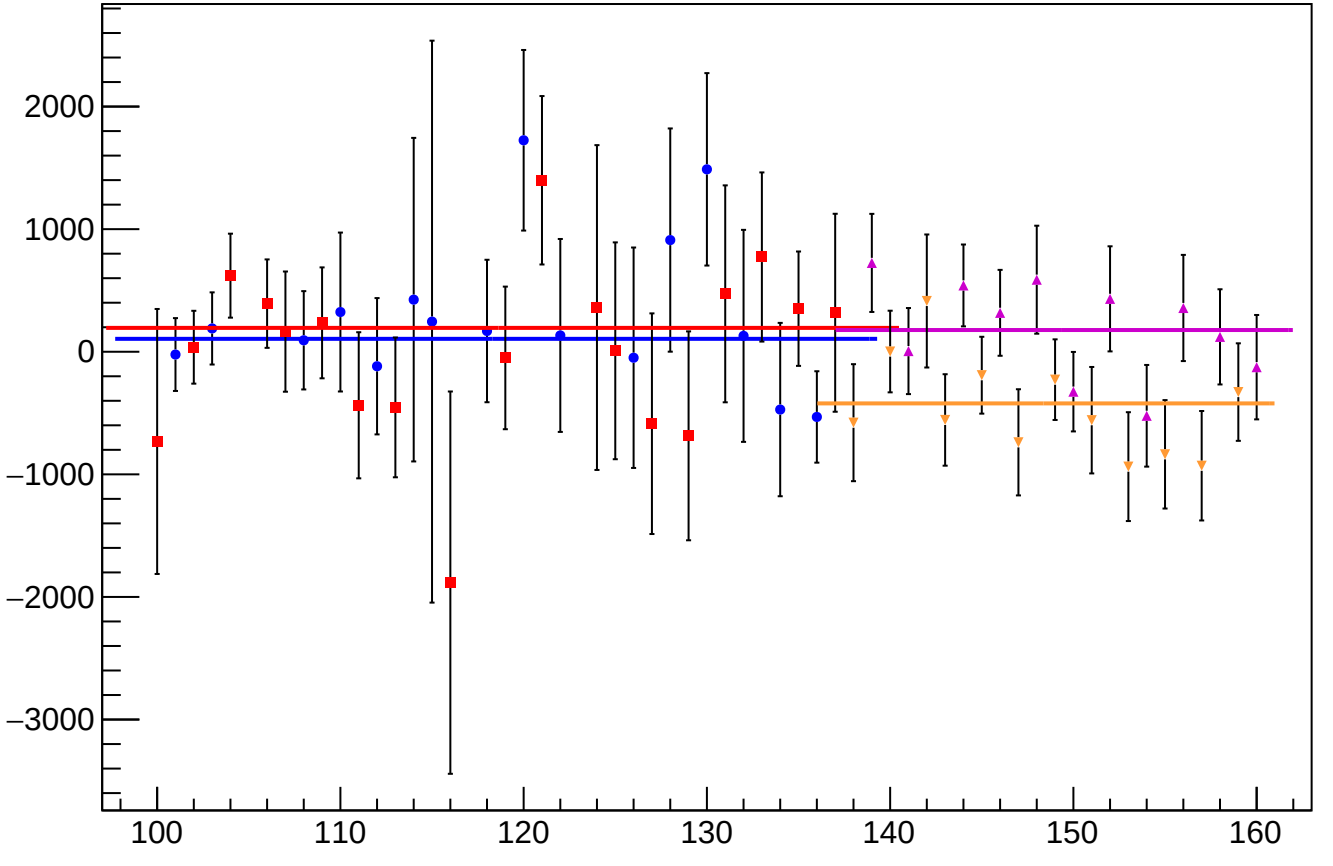
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 352.543+/-0.063 χ^2/NDF:1968631.3/26

Out: 339.488+/-0.061 χ^2/NDF:2407963.3/30

All: 345.765+/-0.044 χ^2/NDF: 4398922.9/57

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: 177.242+/-115.555 χ^2/NDF:10.6/10

Left: -123.430+/-81.519 χ^2/NDF: 33.4/22

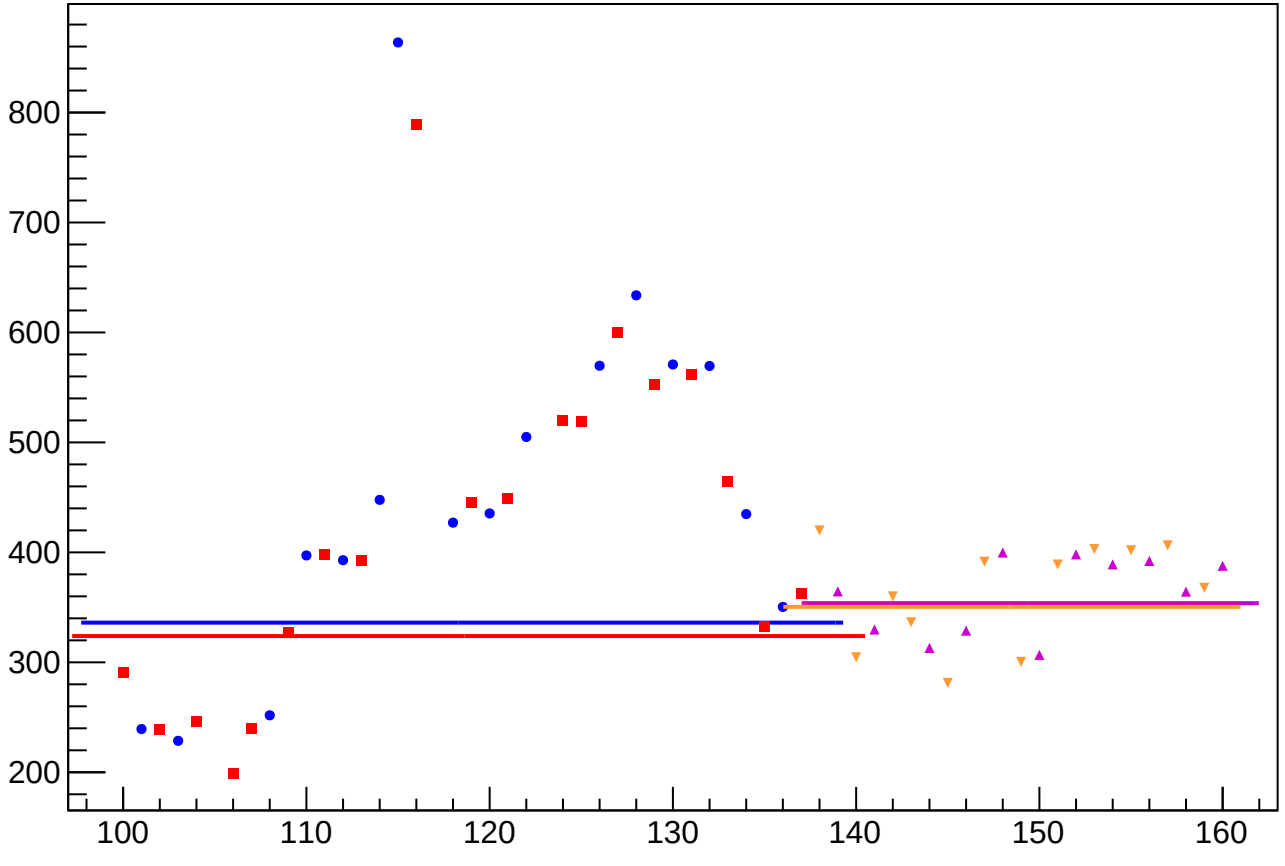
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 146.347+/-87.243 χ^2/NDF:23.8/26

Out: -141.792+/-85.008 χ^2/NDF:35.5/30

All: -1.461+/-60.884 χ^2/NDF: 64.8/57

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: 353.841+/-0.082 χ^2/NDF:180385.4/10

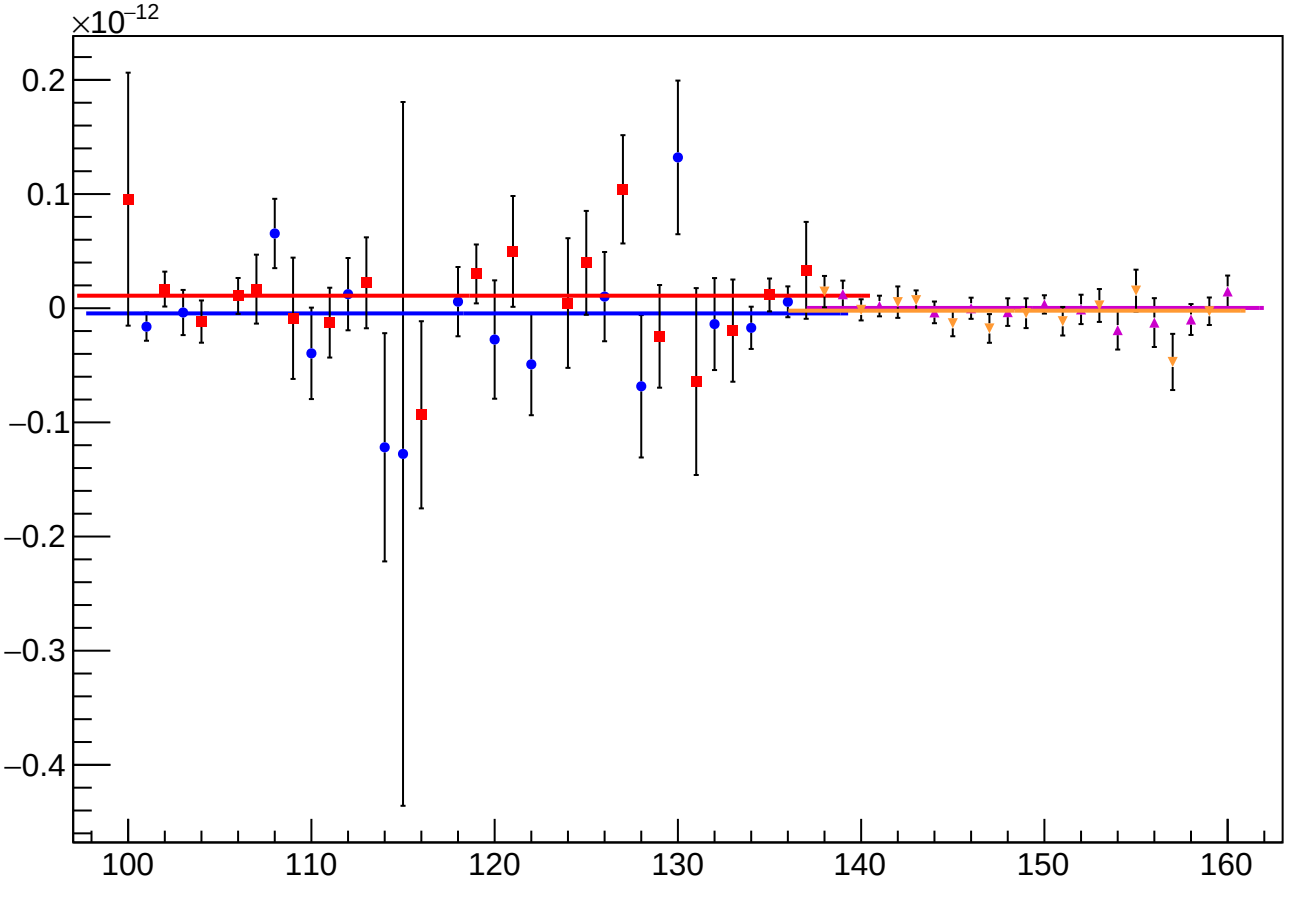
Left: 352.130+/-0.058 χ^2/NDF: 532910.2/22

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 346.209+/-0.062 χ^2/NDF:1819670.8/26

Out: 338.388+/-0.060 χ^2/NDF:2065427.8/30

All: 342.197+/-0.043 χ^2/NDF: 3893342.8/57



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:4.8/10

Left: -0.000+/-0.000 χ^2/NDF: 15.3/22

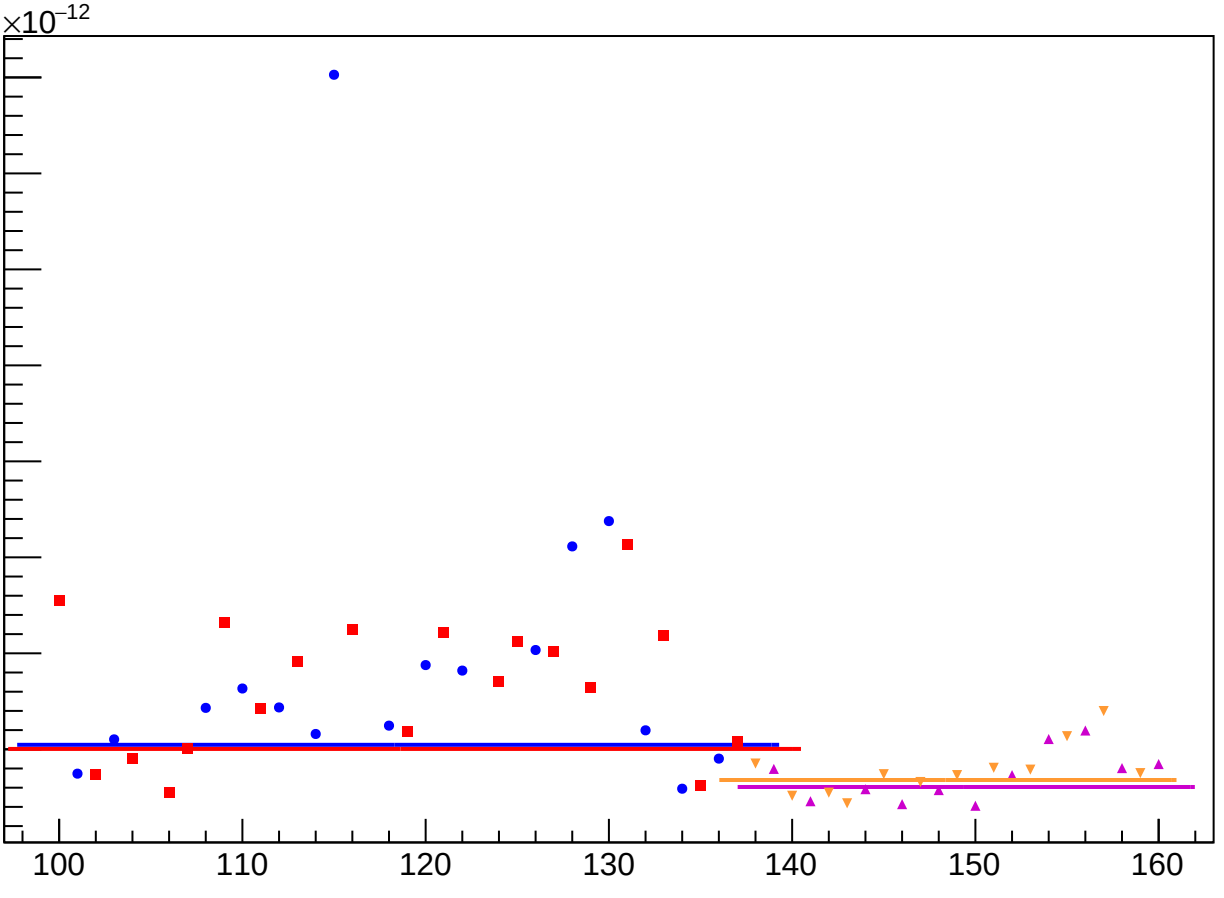
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:21.7/26

Out: 0.000+/-0.000 χ^2/NDF:25.9/30

All: 0.000+/-0.000 χ^2/NDF: 47.7/57

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:743008.4/10

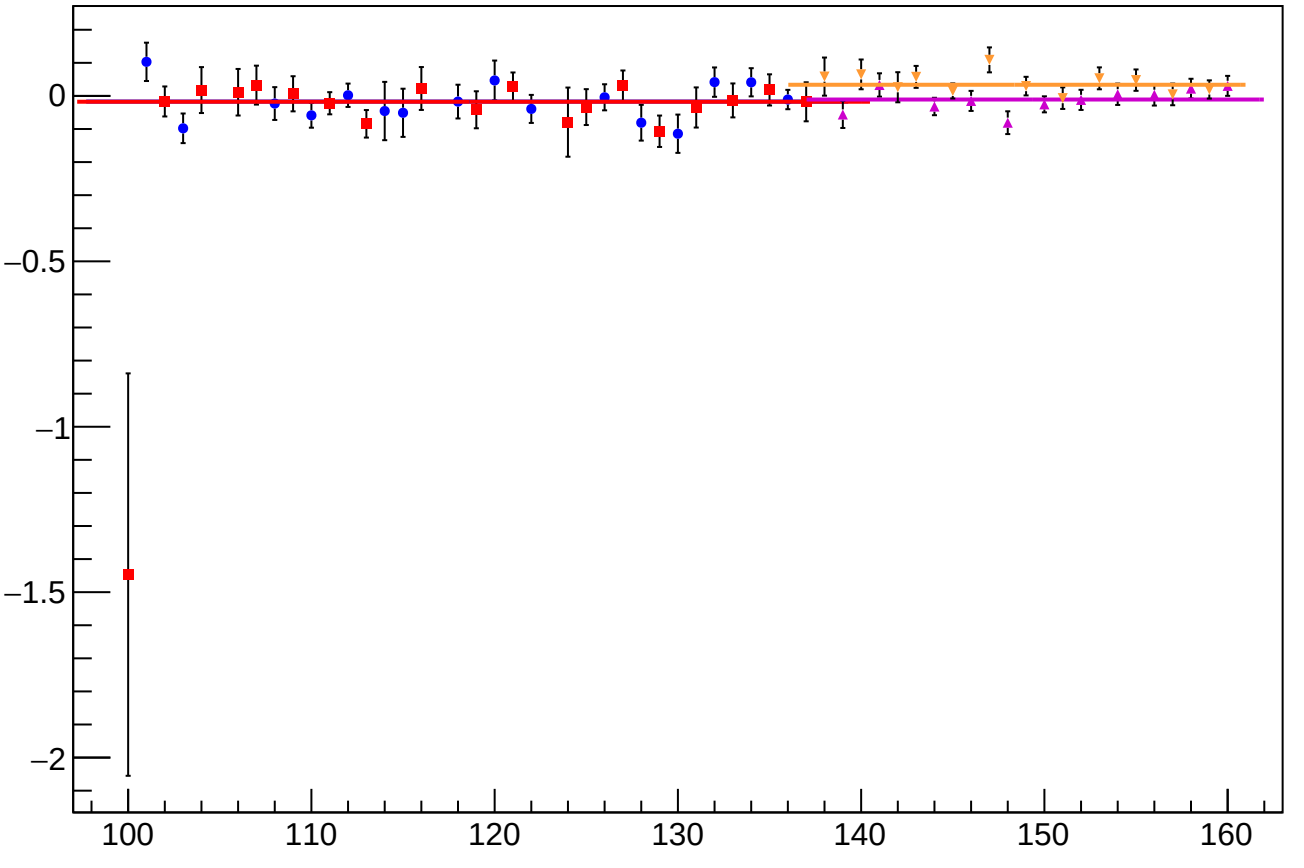
Left: 0.000+/-0.000 χ^2/NDF: 1401020.5/22

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2654136.9/26

Out: 0.000+/-0.000 χ^2/NDF:2419222.4/30

All: 0.000+/-0.000 χ^2/NDF: 5104319.7/57



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: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.011+/-0.007 χ^2/NDF: 31.8/22

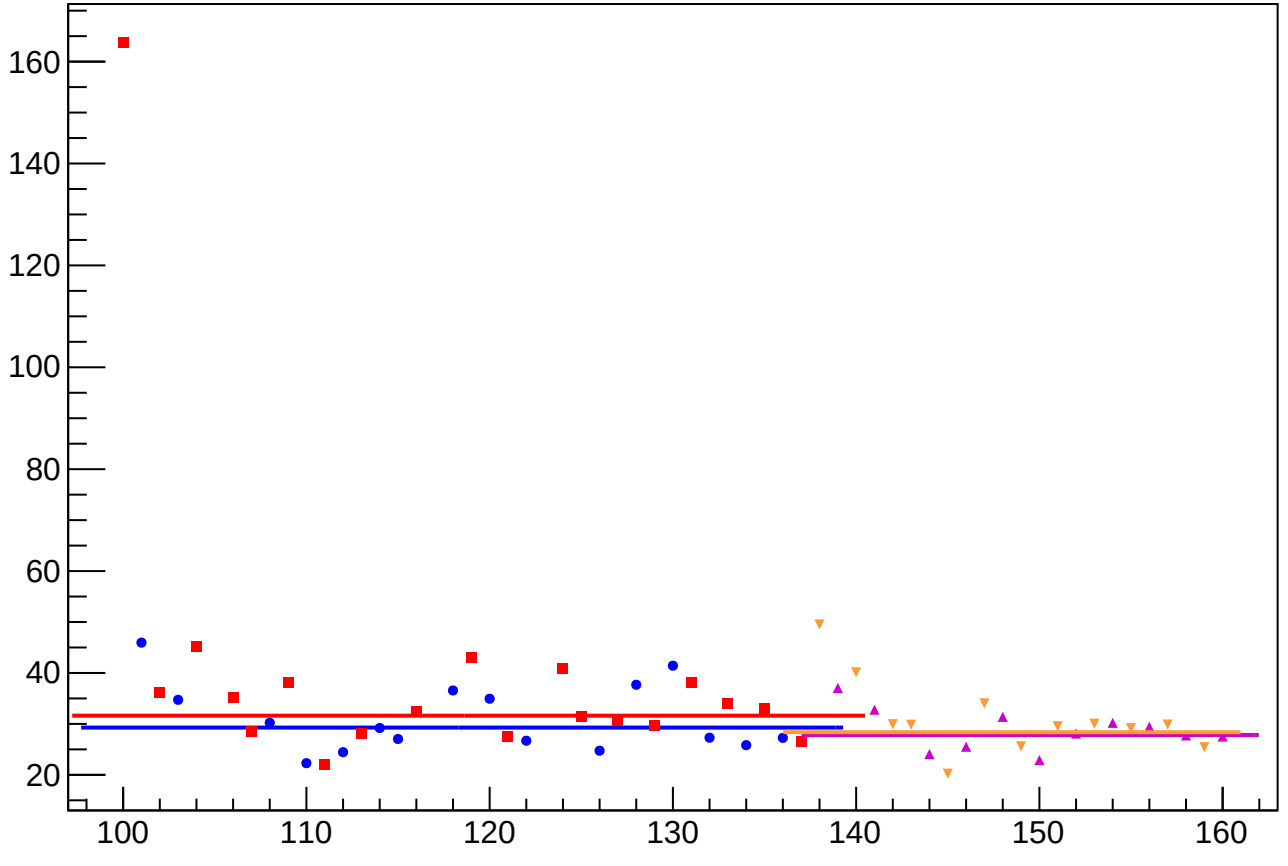
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.014+/-0.007 χ^2/NDF:37.0/30

All: -0.000+/-0.005 χ^2/NDF: 74.6/57

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 27.821+/-0.007 χ^2/NDF:313721.3/10

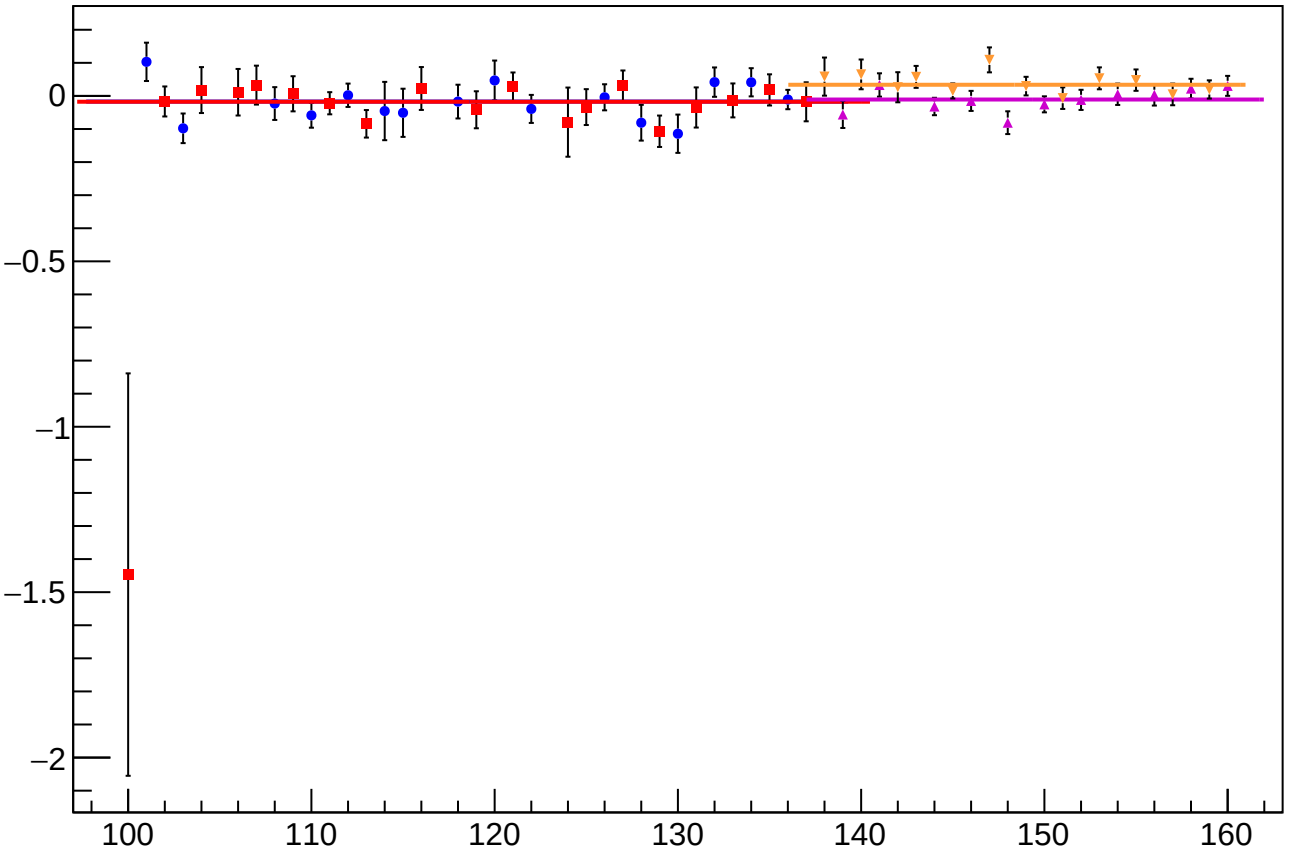
Left: 28.089+/-0.005 χ^2/NDF: 1085114.3/22

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.403+/-0.005 χ^2/NDF:894207.1/26

Out: 29.603+/-0.005 χ^2/NDF:1429172.1/30

All: 28.979+/-0.004 χ^2/NDF: 2350320.1/57



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: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.011+/-0.007 χ^2/NDF: 31.8/22

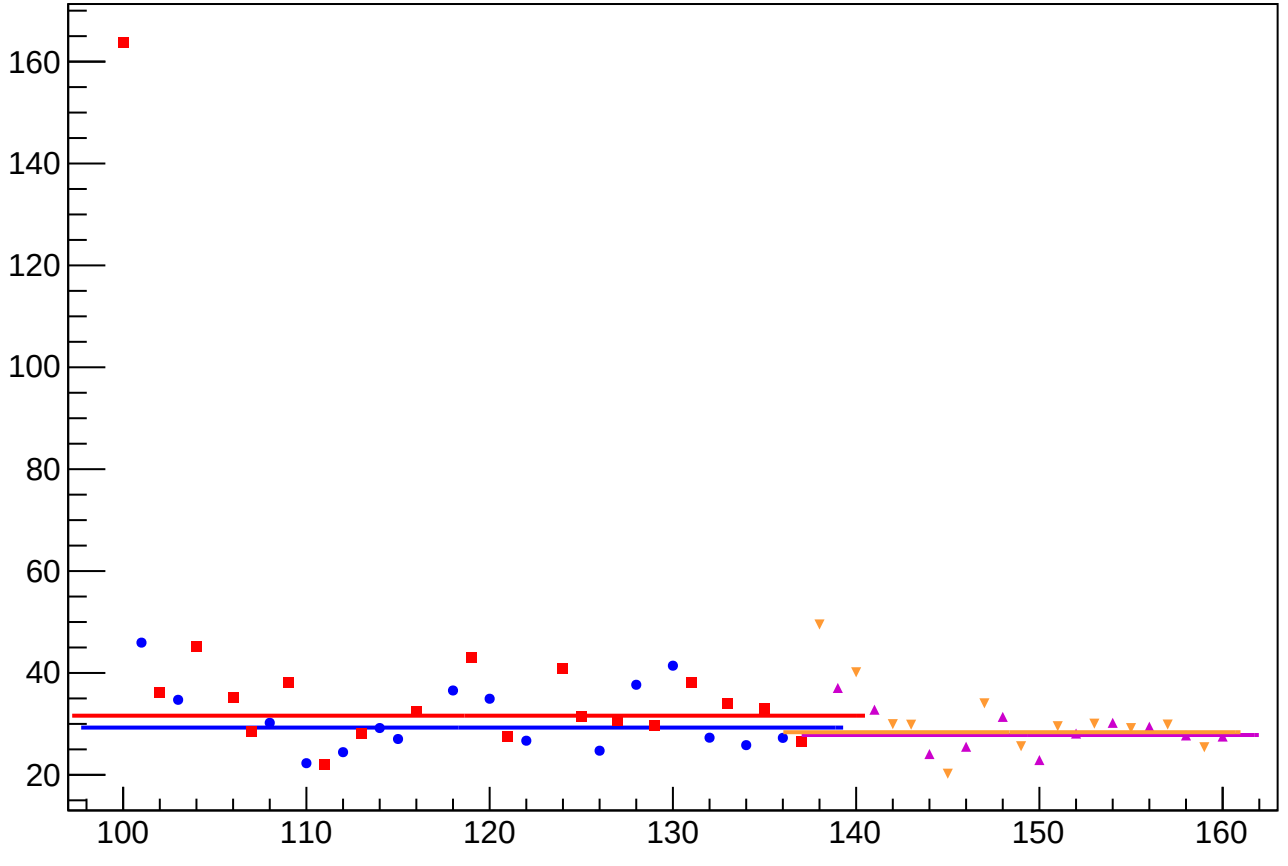
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.014+/-0.007 χ^2/NDF:37.0/30

All: -0.000+/-0.005 χ^2/NDF: 74.6/57

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.371+/-0.007 χ^2/NDF:767946.8/11

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

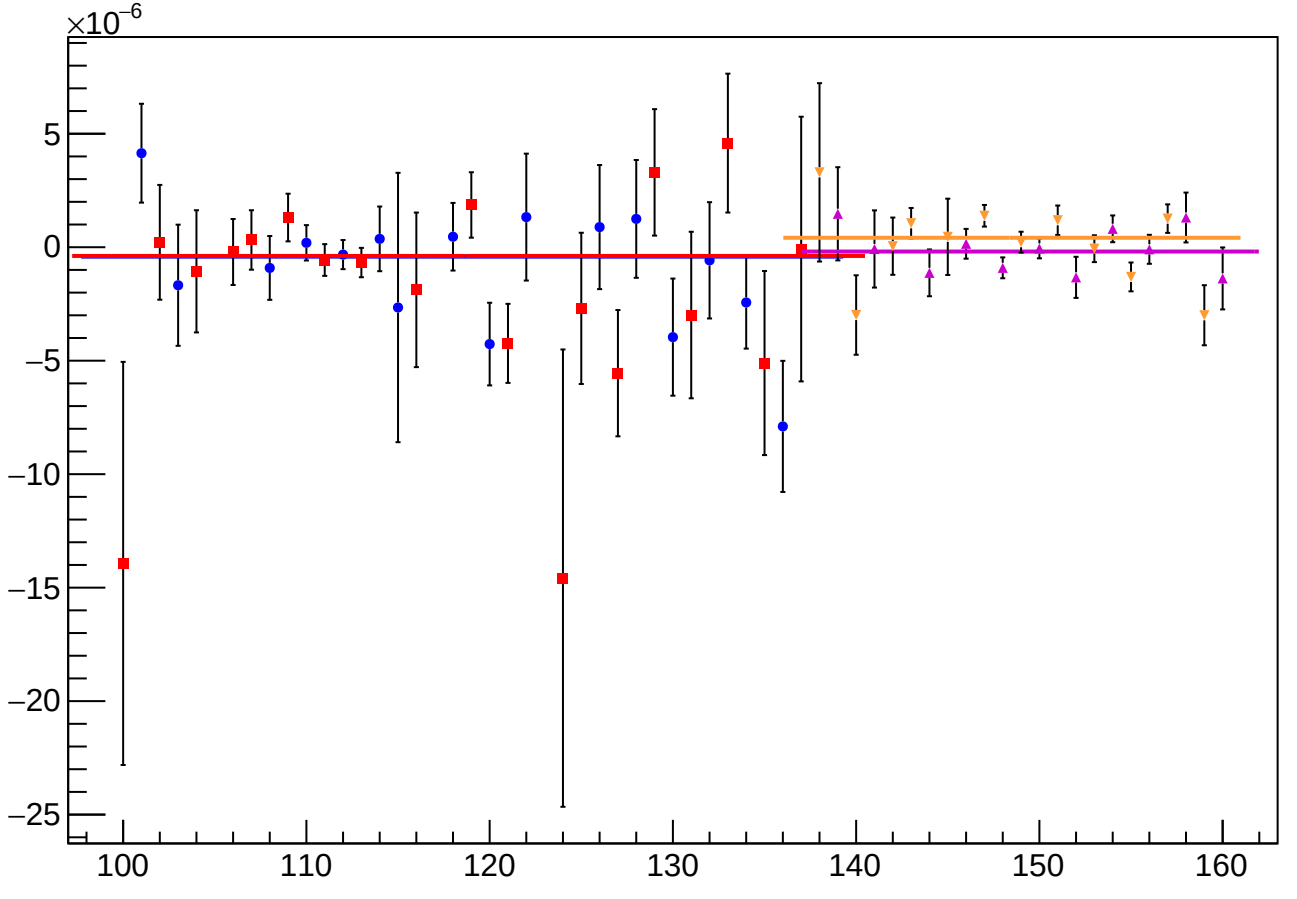
Left: 28.089+/-0.005 χ^2/NDF: 1085114.3/22

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.403+/-0.005 χ^2/NDF:894207.1/26

Out: 29.603+/-0.005 χ^2/NDF:1429172.1/30

All: 28.979+/-0.004 χ^2/NDF: 2350320.1/57



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:11.4/10

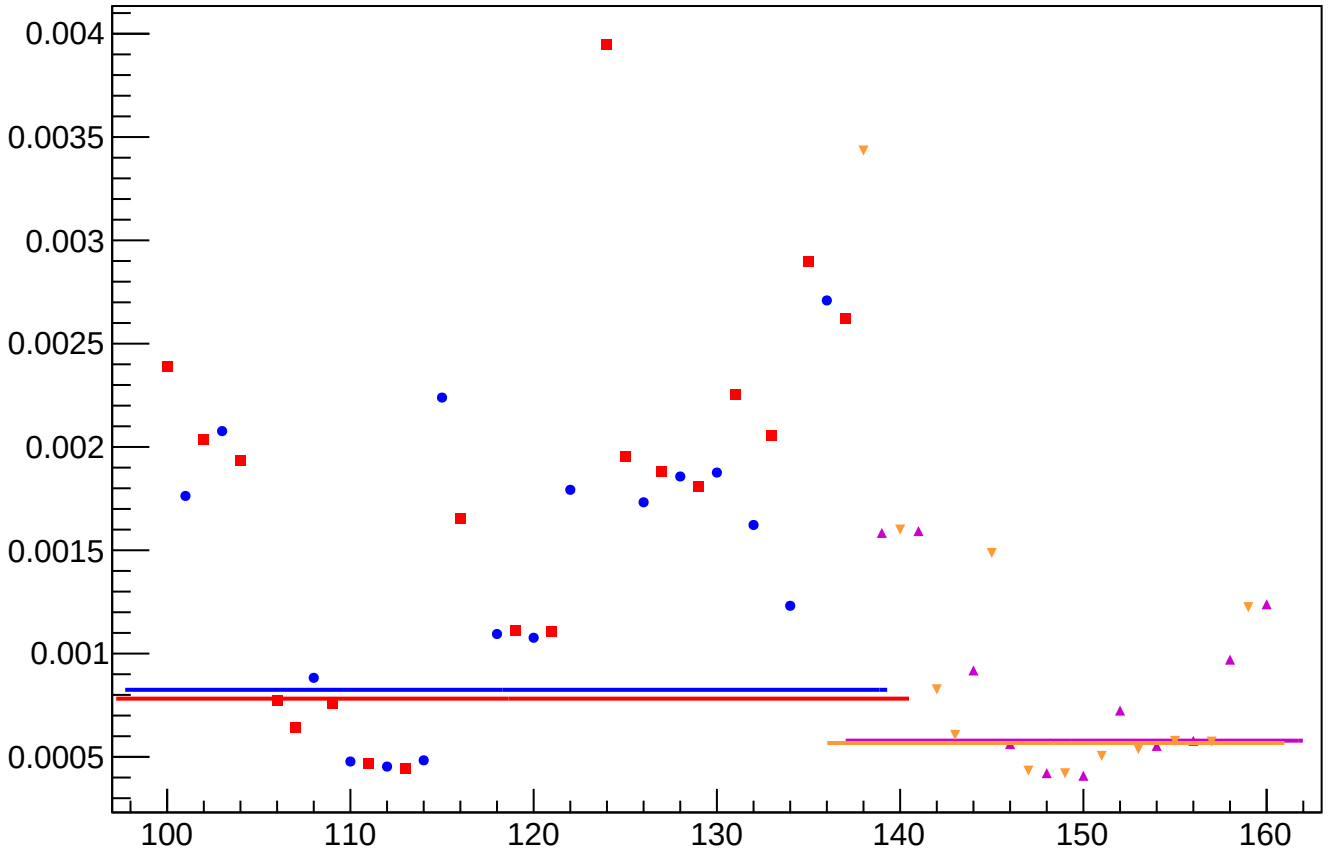
Left: 0.000+/-0.000 χ^2/NDF: 43.1/22

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/26

Out: 0.000+/-0.000 χ^2/NDF:56.7/30

All: -0.000+/-0.000 χ^2/NDF: 92.8/57



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:2729949.3/10

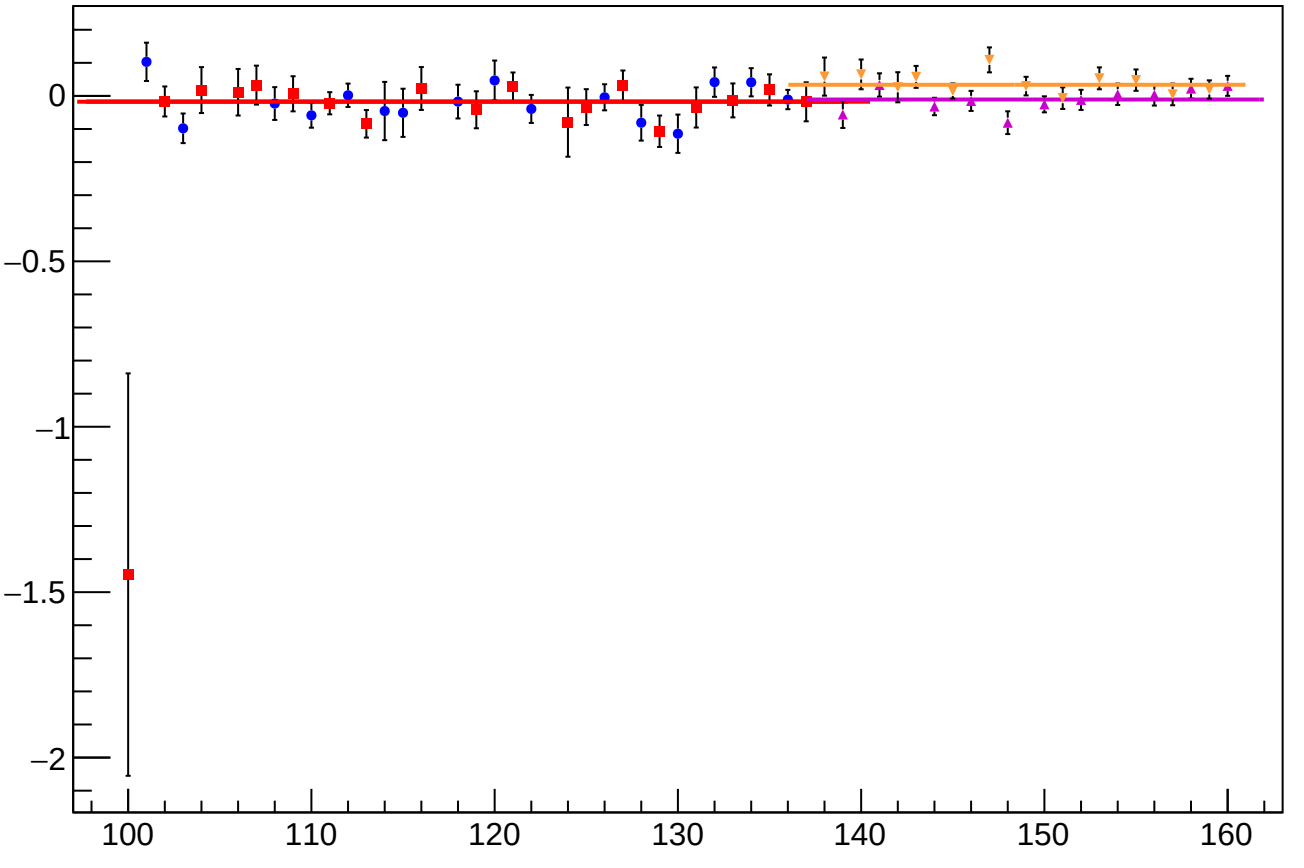
Left: 0.001+/-0.000 χ^2/NDF: 6062230.2/22

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7840216.2/26

Out: 0.001+/-0.000 χ^2/NDF:8530210.1/30

All: 0.001+/-0.000 χ^2/NDF: 16379501.4/57



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: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.011+/-0.007 χ^2/NDF: 31.8/22

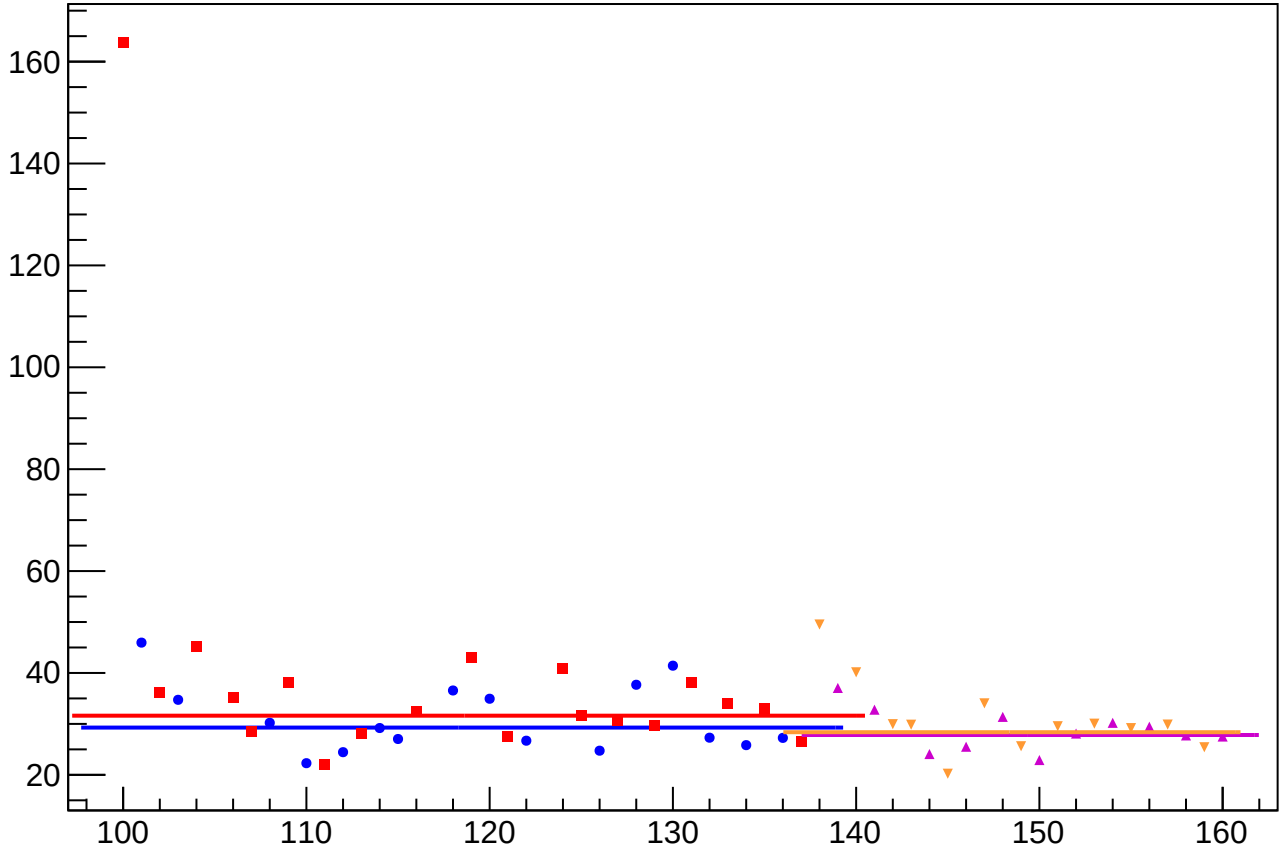
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.014+/-0.007 χ^2/NDF:37.0/30

All: -0.000+/-0.005 χ^2/NDF: 74.6/57

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: 27.821+/-0.007 χ^2/NDF:313692.9/10

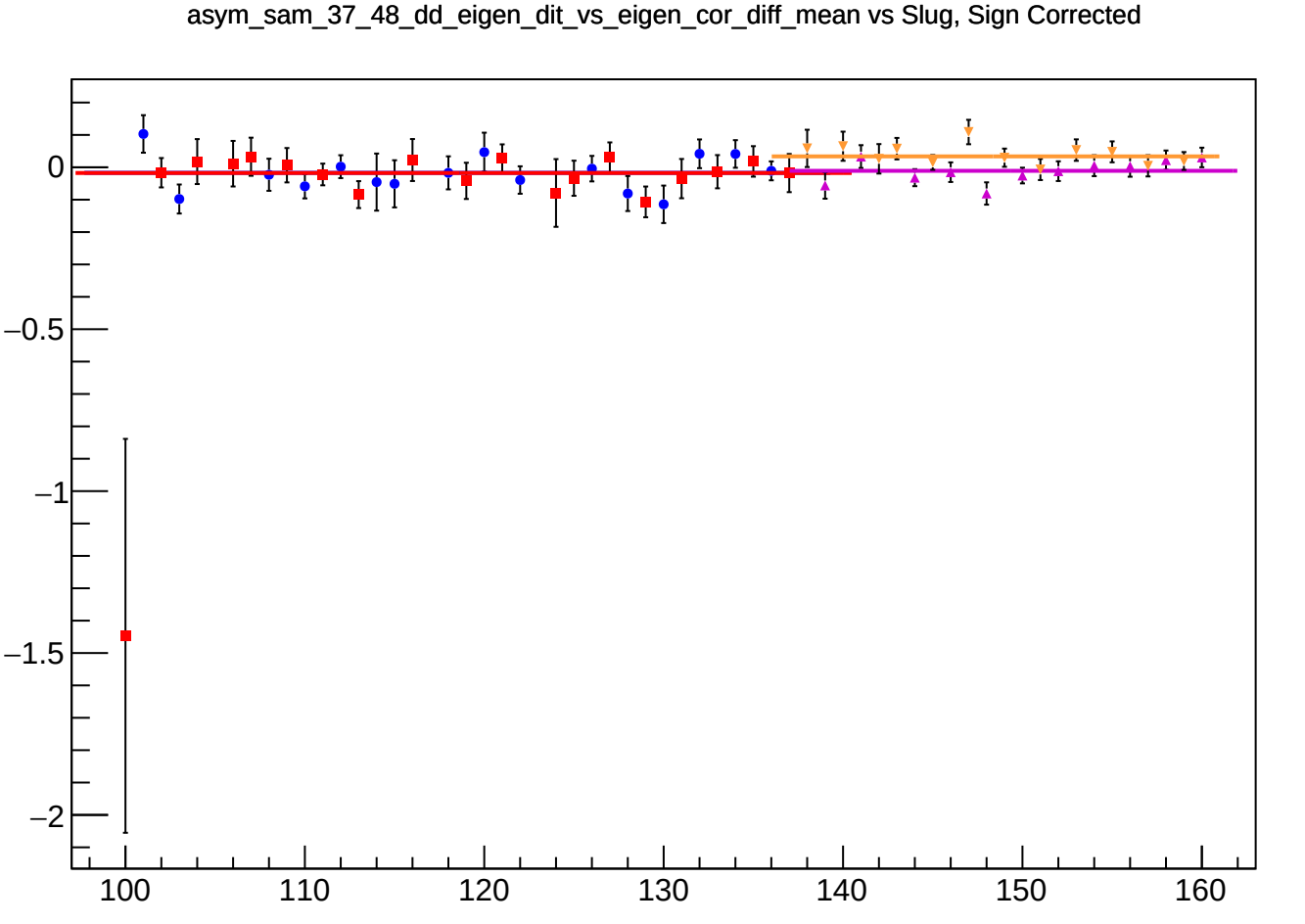
Left: 28.089+/-0.005 χ^2/NDF: 1085127.9/22

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

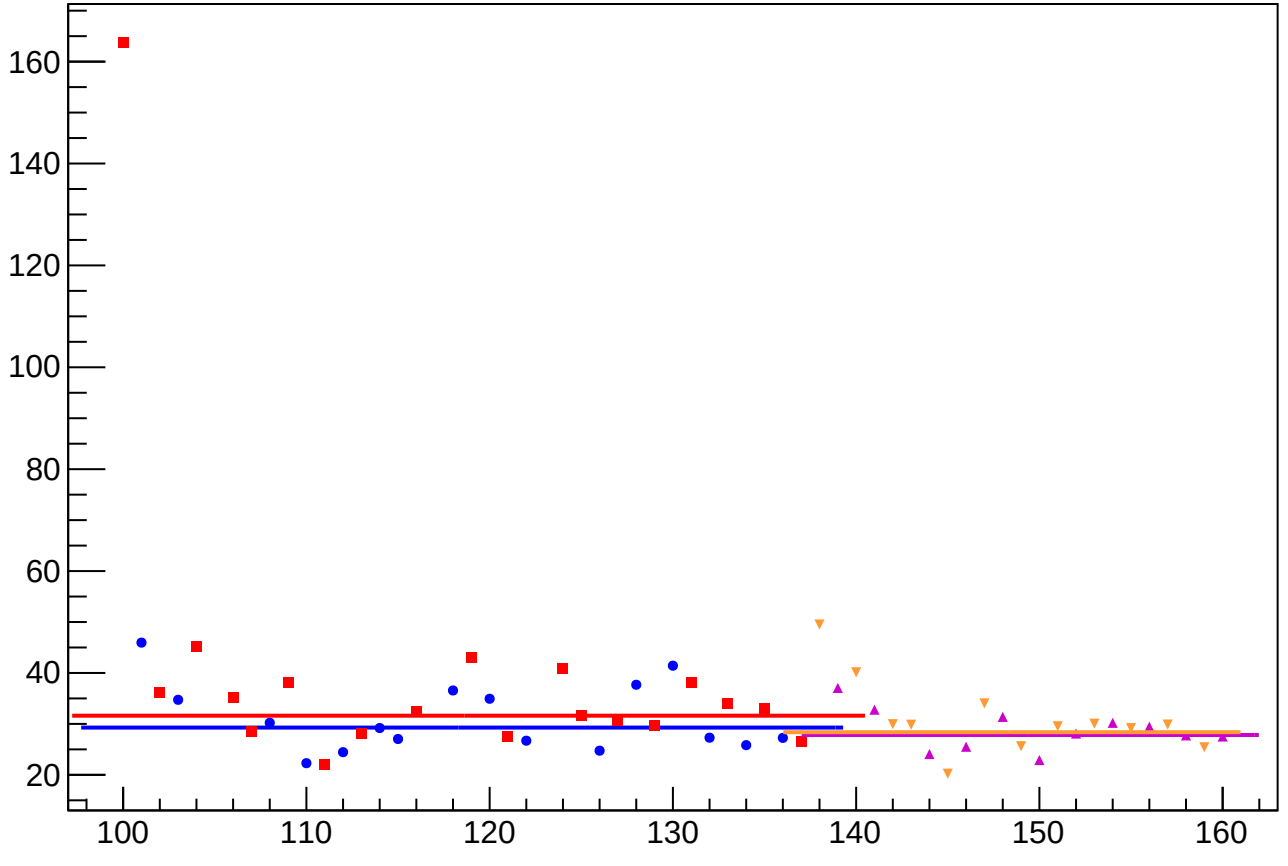
In: 28.403+/-0.005 χ^2/NDF:894181.6/26

Out: 29.603+/-0.005 χ^2/NDF:1429236.7/30

All: 28.979+/-0.004 χ^2/NDF: 2350355.7/57


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: -0.011+/-0.009 χ²/NDF:11.5/10
Left: 0.011+/-0.007 χ²/NDF: 31.8/22
Right: -0.017+/-0.008 χ²/NDF: 35.7/34
In: -0.013+/-0.007 χ²/NDF:30.5/26
Out: 0.014+/-0.007 χ²/NDF:37.0/30
All: -0.000+/-0.005 χ²/NDF: 74.6/57

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: 27.821+/-0.007 χ^2/NDF:313692.9/10

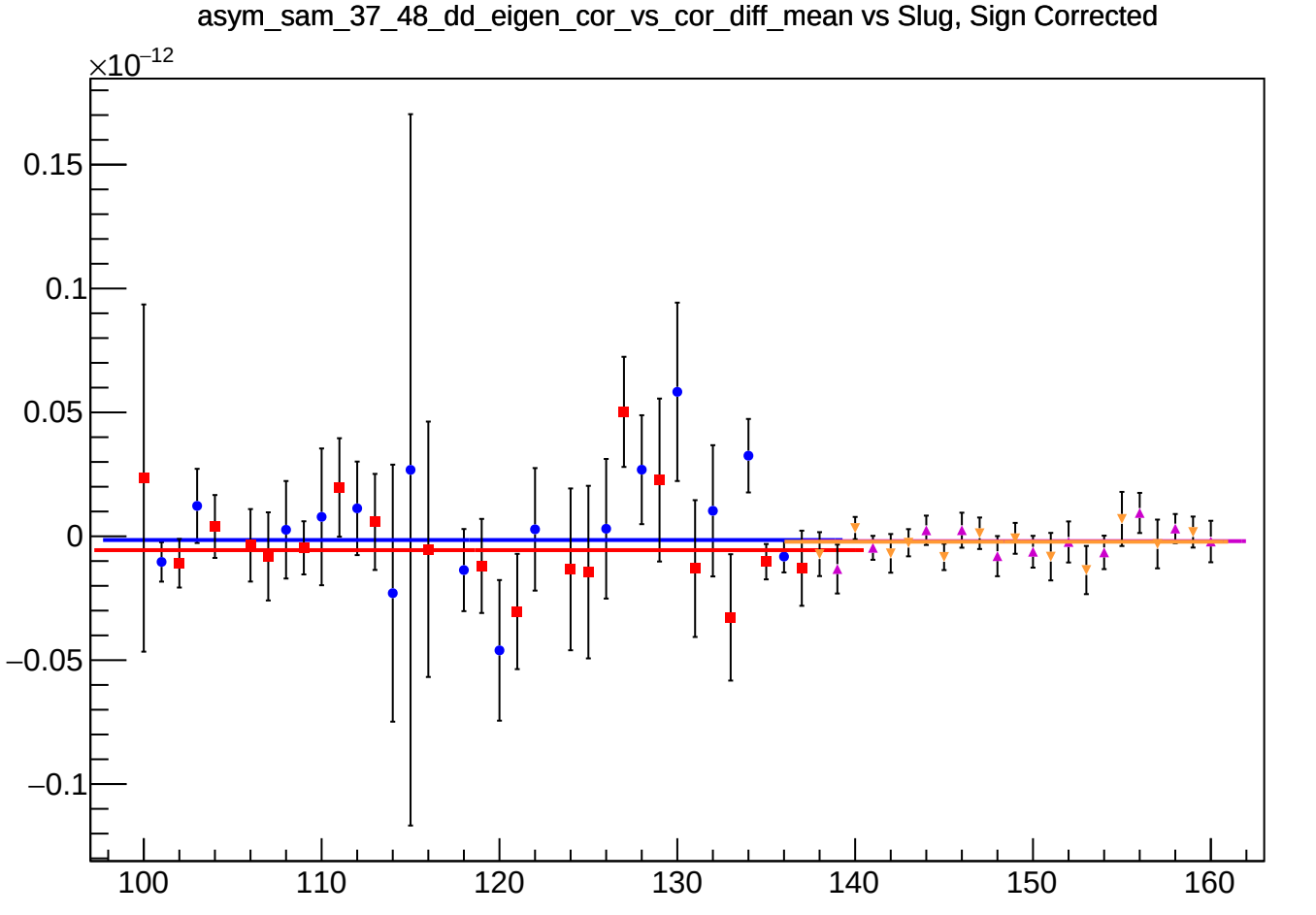
Left: 28.089+/-0.005 χ^2/NDF: 1085127.9/22

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.403+/-0.005 χ^2/NDF:894181.6/26

Out: 29.603+/-0.005 χ^2/NDF:1429236.7/30

All: 28.979+/-0.004 χ^2/NDF: 2350355.7/57



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/10

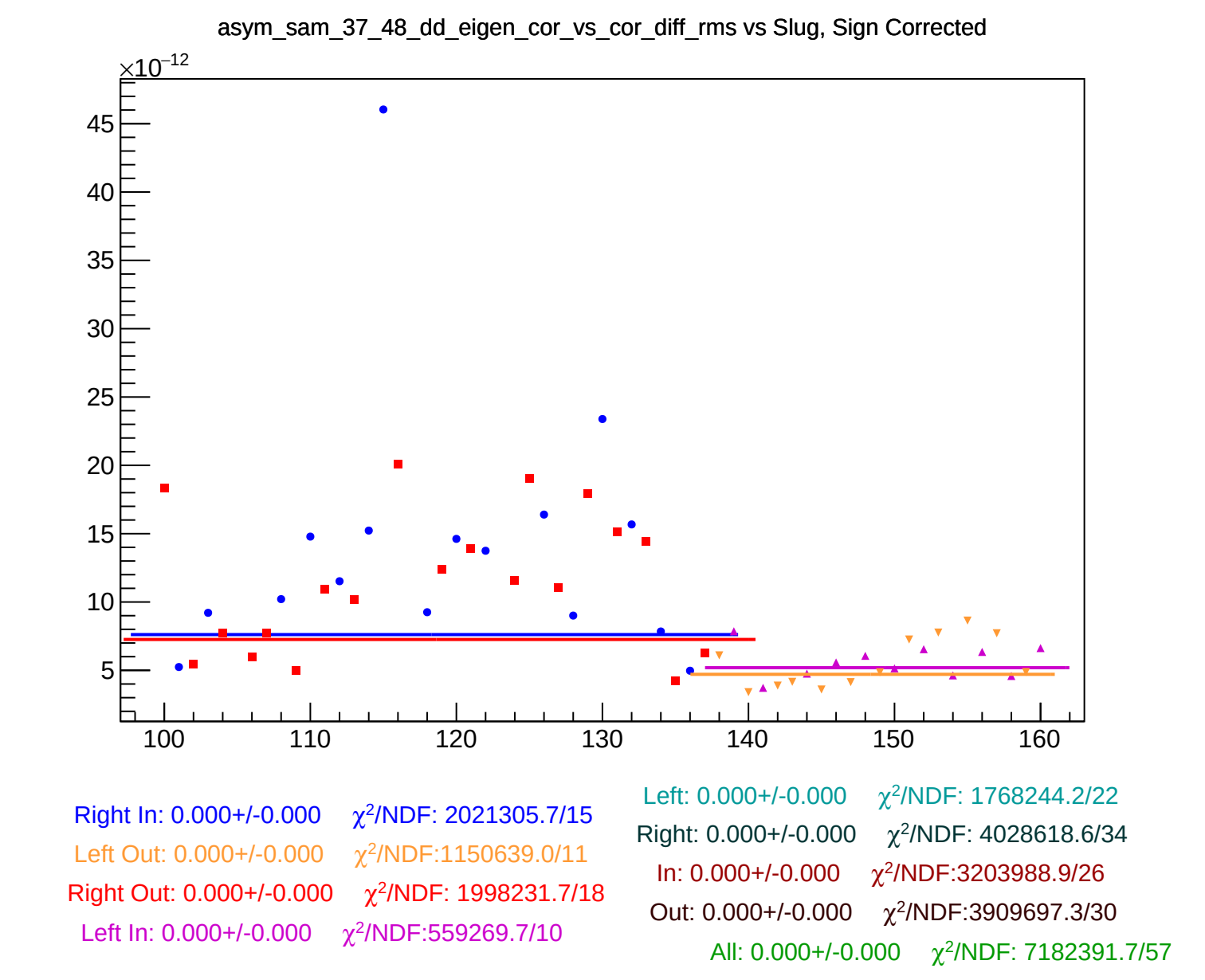
Left: -0.000+/-0.000 χ^2/NDF: 13.5/22

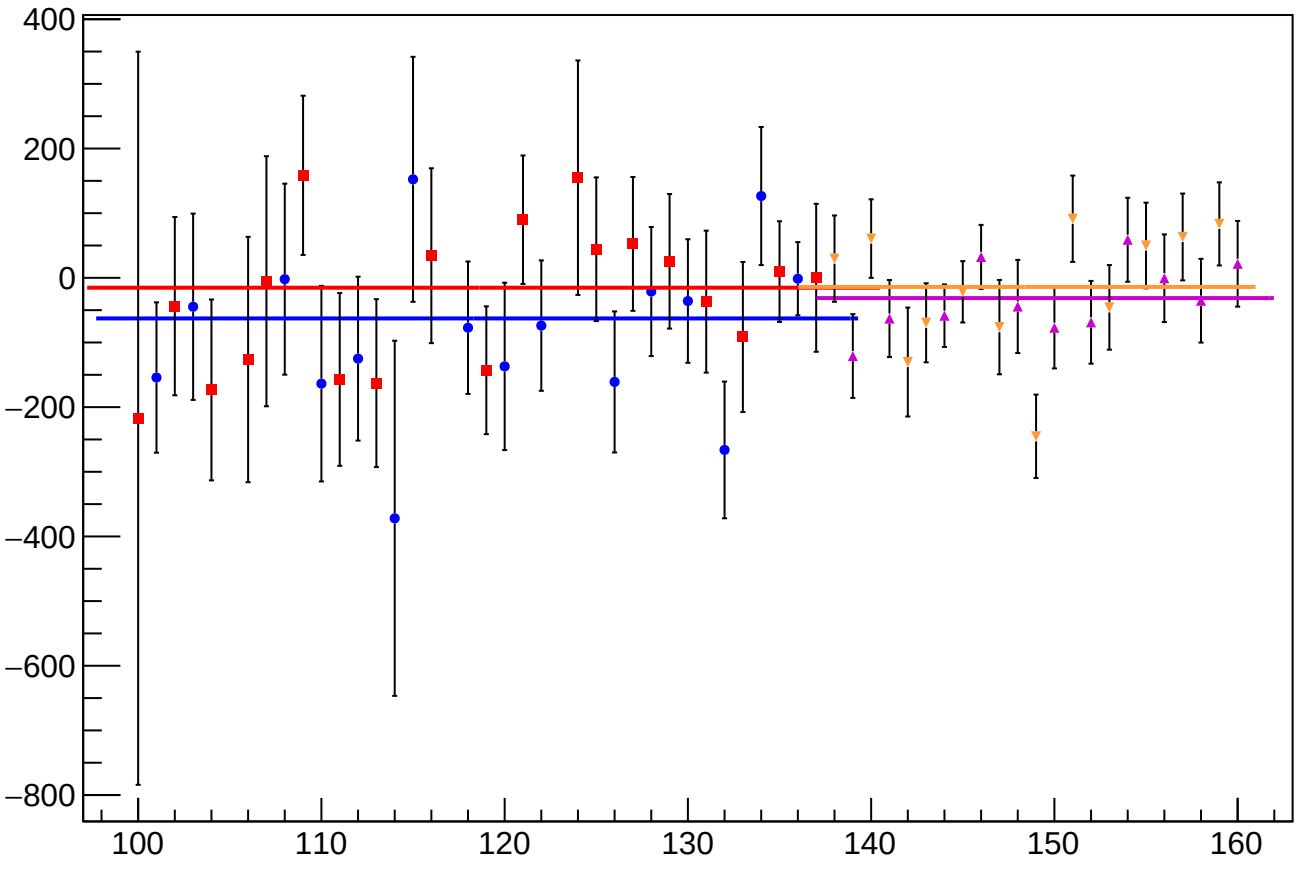
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:23.7/26

Out: -0.000+/-0.000 χ^2/NDF:20.7/30

All: -0.000+/-0.000 χ^2/NDF: 44.6/57


asym_sam_37_48_dd_eigen_cor_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: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1150639.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:559269.7/10
Left: 0.000+/-0.000 χ²/NDF: 1768244.2/22
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:3203988.9/26
Out: 0.000+/-0.000 χ²/NDF:3909697.3/30
All: 0.000+/-0.000 χ²/NDF: 7182391.7/57



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -14.075+/-18.489 χ^2/NDF:25.5/11

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -31.323+/-18.365 χ^2/NDF:7.9/10

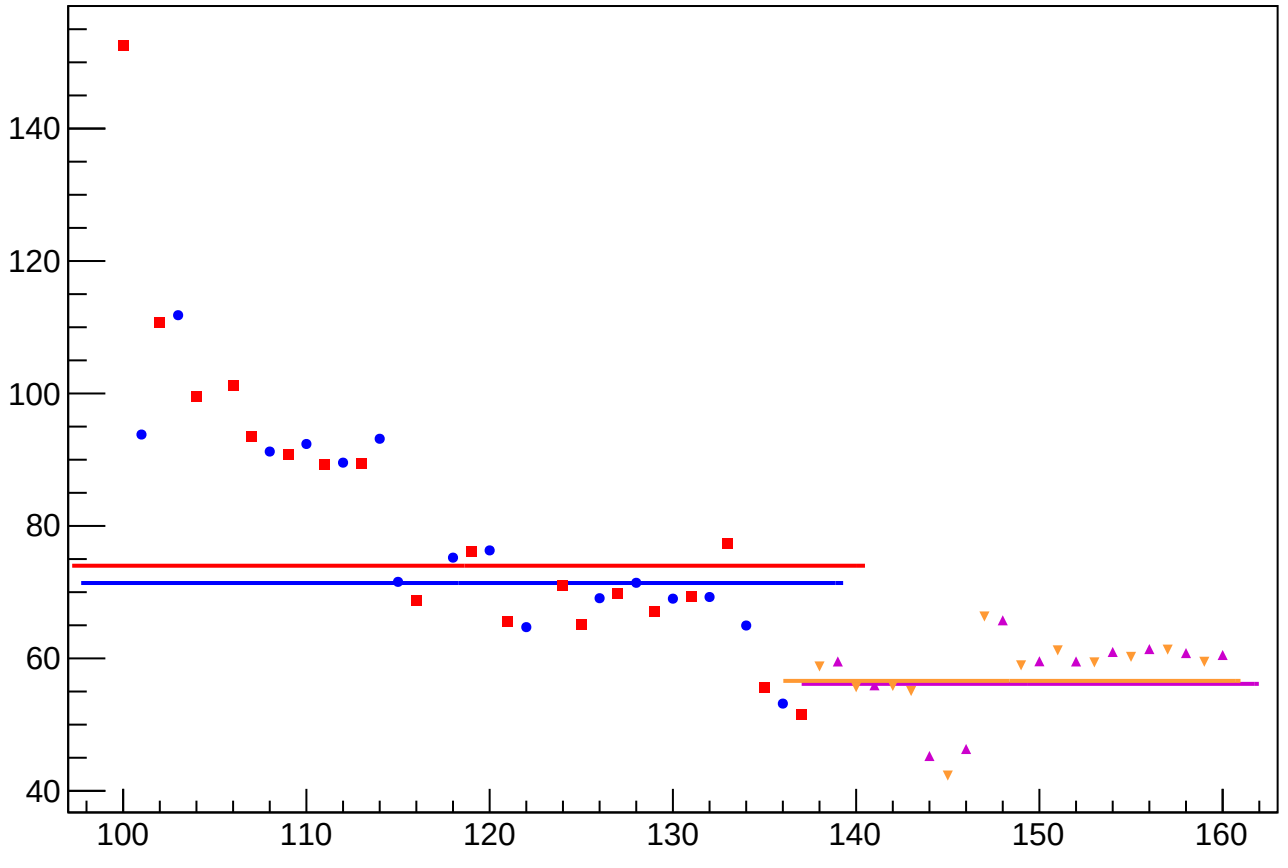
Left: -22.757+/-13.029 χ^2/NDF: 33.8/22

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -41.172+/-15.223 χ^2/NDF:22.3/26

Out: -14.447+/-15.390 χ^2/NDF:37.0/30

All: -27.956+/-10.823 χ^2/NDF: 60.8/57



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: 56.156+/-0.013 χ^2/NDF:274779.9/10

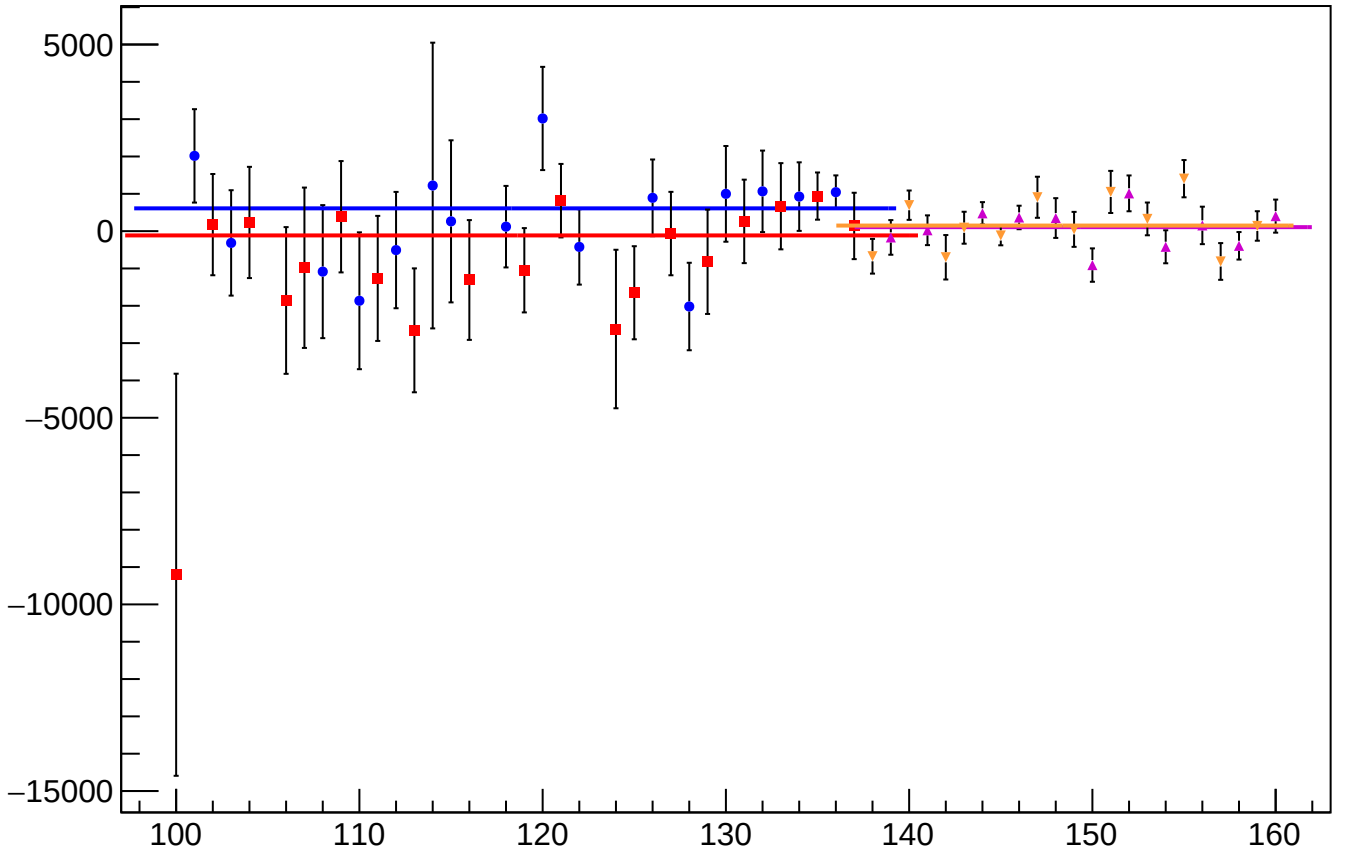
Left: 56.379+/-0.009 χ^2/NDF: 532190.6/22

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.921+/-0.011 χ^2/NDF:1295927.8/26

Out: 61.946+/-0.011 χ^2/NDF:1438565.3/30

All: 61.428+/-0.008 χ^2/NDF: 2738976.0/57



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: 106.860+/-122.575 χ^2/NDF:15.2/10

Left: 127.809+/-87.349 χ^2/NDF: 38.2/22

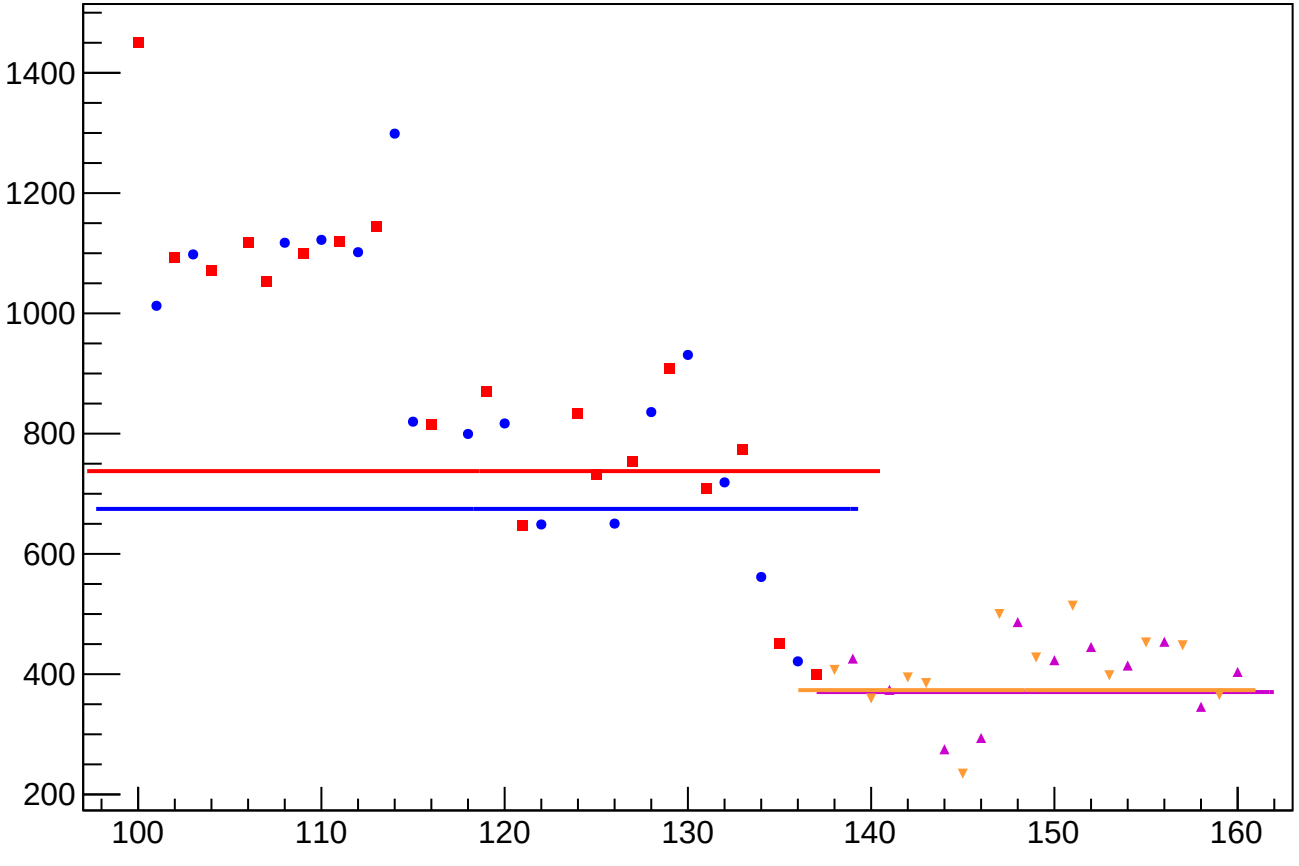
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 194.646+/-111.382 χ^2/NDF:33.9/26

Out: 106.932+/-114.052 χ^2/NDF:39.2/30

All: 151.828+/-79.686 χ^2/NDF: 73.4/57

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



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: 370.252+/-0.087 χ^2/NDF:616329.9/10

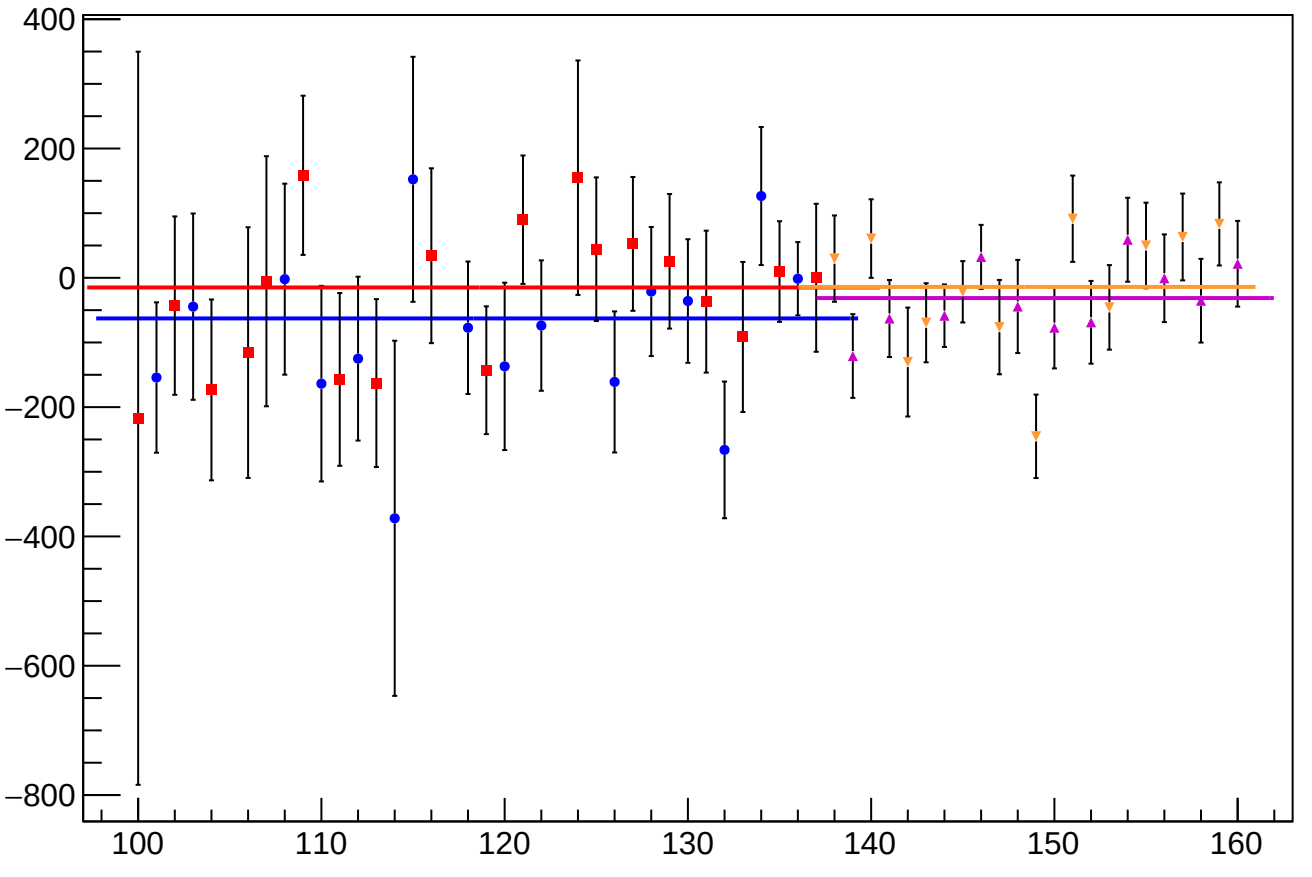
Left: 371.831+/-0.062 χ^2/NDF: 1549417.1/22

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 423.335+/-0.079 χ^2/NDF:4386122.3/26

Out: 432.071+/-0.081 χ^2/NDF:5203090.4/30

All: 427.599+/-0.056 χ^2/NDF: 9595219.6/57



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: -31.323+/-18.365 χ^2/NDF:7.9/10

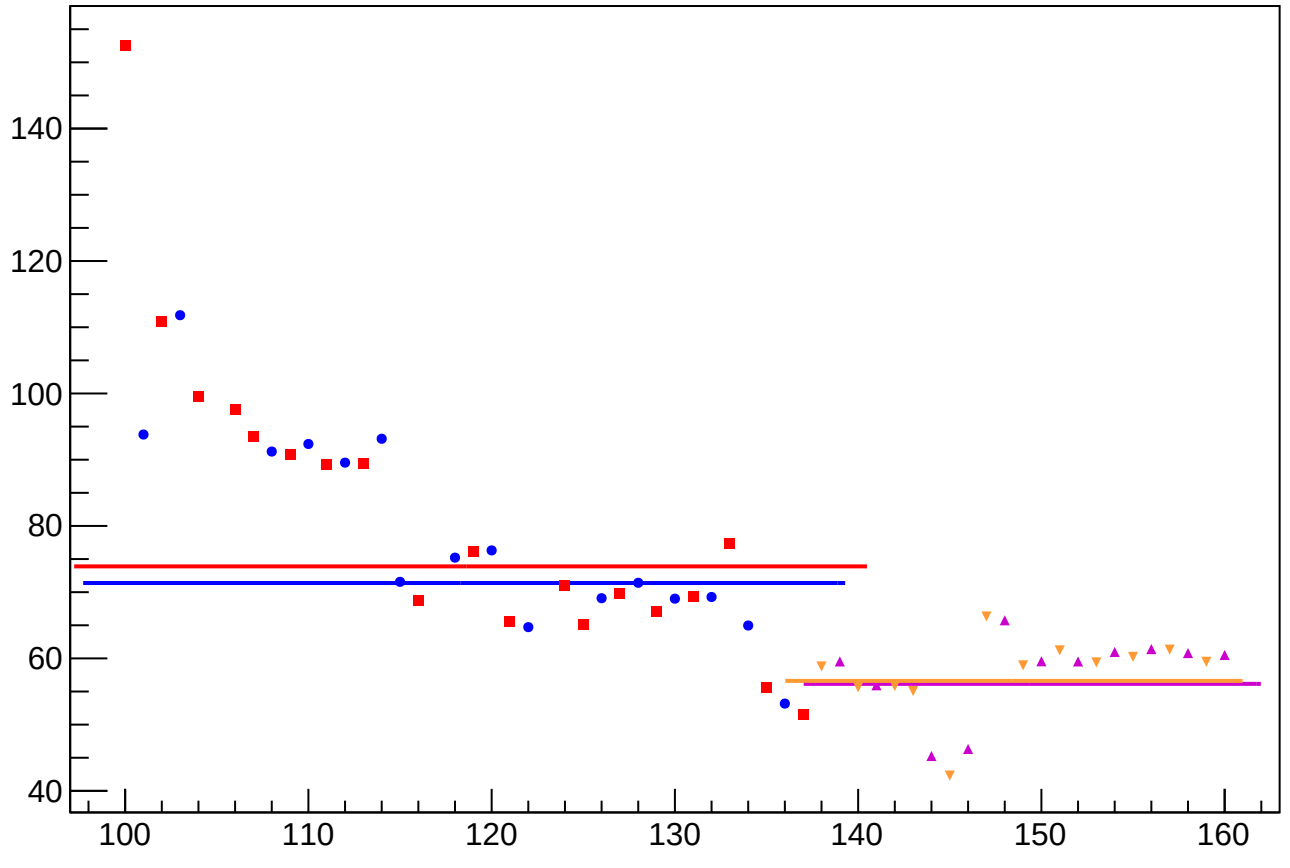
Left: -22.758+/-13.029 χ^2/NDF: 33.8/22

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -41.169+/-15.223 χ^2/NDF:22.3/26

Out: -14.340+/-15.392 χ^2/NDF:36.9/30

All: -27.903+/-10.823 χ^2/NDF: 60.7/57



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: 56.156+/-0.013 χ^2/NDF:274780.0/10

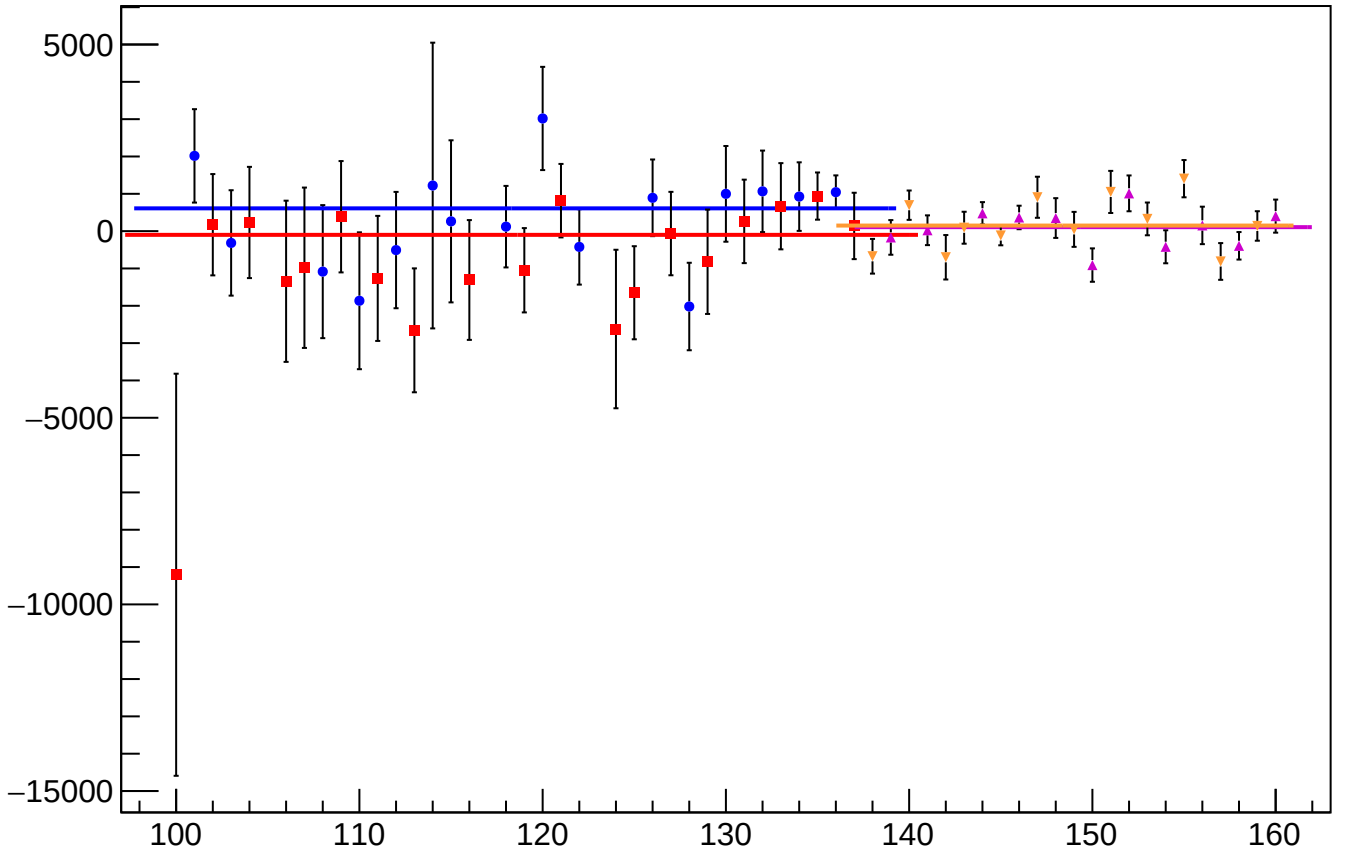
Left: 56.379+/-0.009 χ^2/NDF: 532190.6/22

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.011 χ^2/NDF:1295930.4/26

Out: 61.912+/-0.011 χ^2/NDF:1420563.9/30

All: 61.411+/-0.008 χ^2/NDF: 2720682.9/57



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: 106.856+/-122.575 χ^2/NDF:15.2/10

Left: 127.806+/-87.349 χ^2/NDF: 38.2/22

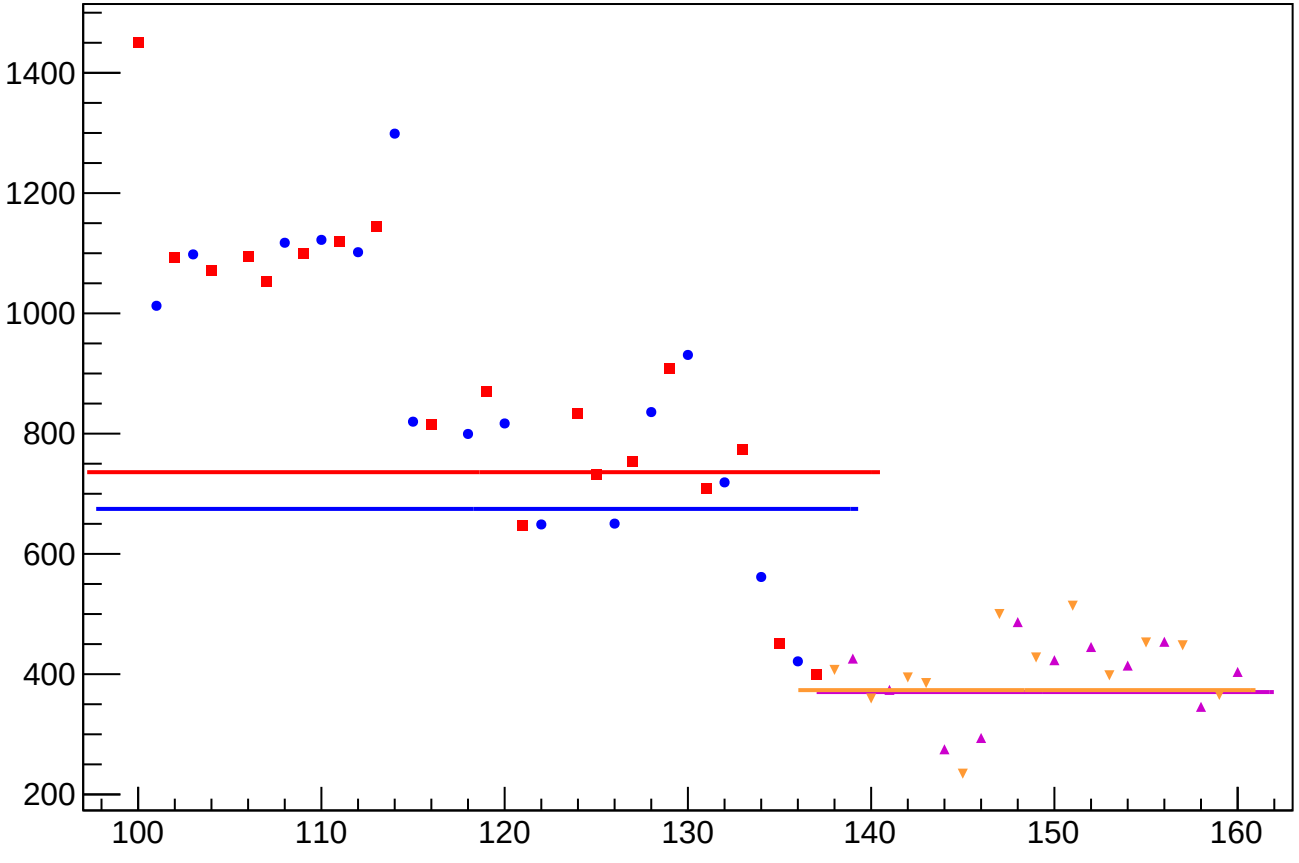
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 194.641+/-111.383 χ^2/NDF:33.9/26

Out: 109.478+/-114.085 χ^2/NDF:38.7/30

All: 153.080+/-79.698 χ^2/NDF: 72.8/57

asym_sam_15_26_dd_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: 370.252+/-0.087 χ^2/NDF:616330.4/10

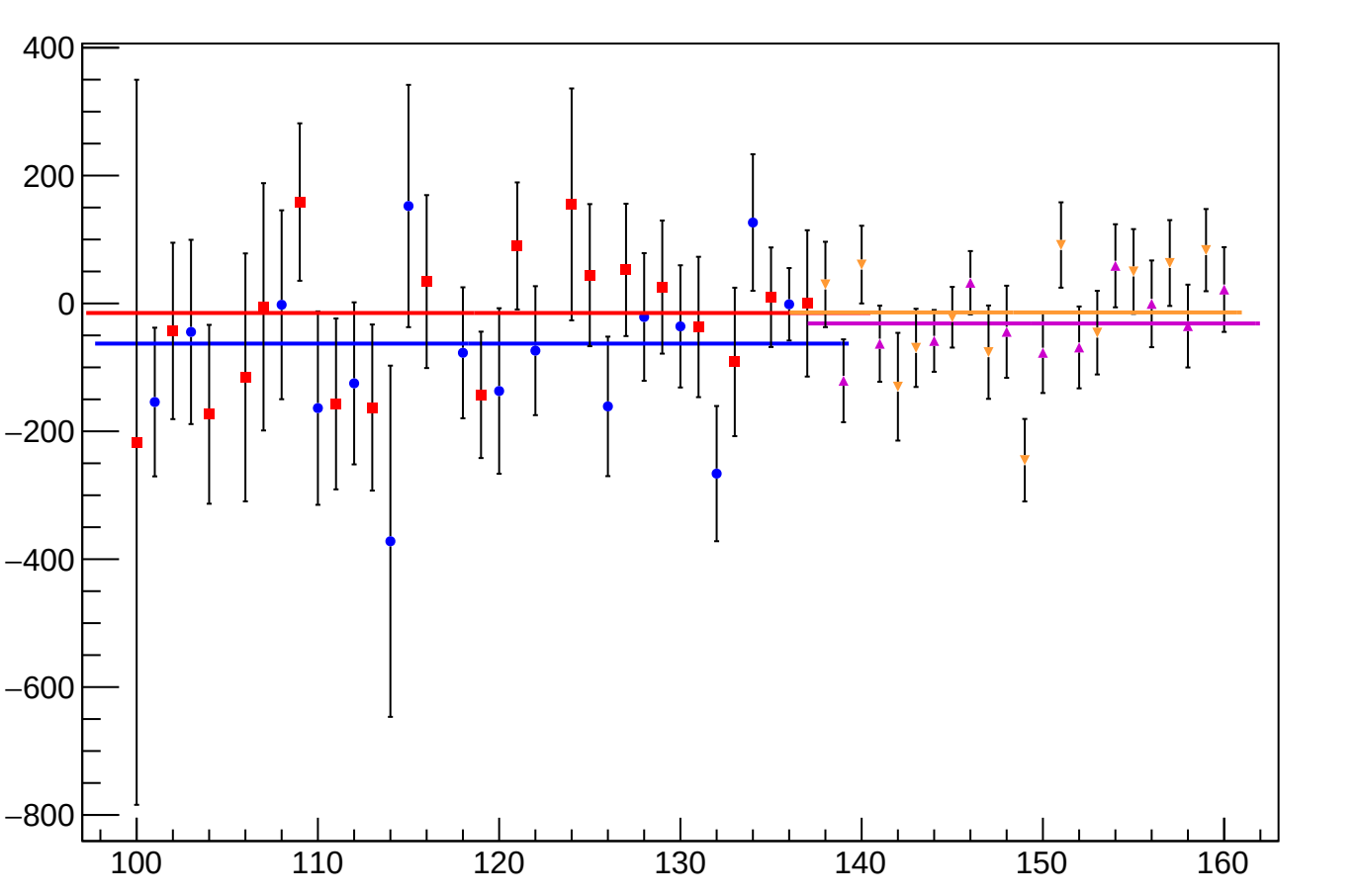
Left: 371.831+/-0.062 χ^2/NDF: 1549424.7/22

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 423.335+/-0.079 χ^2/NDF:4386146.5/26

Out: 431.610+/-0.081 χ^2/NDF:5148516.3/30

All: 427.373+/-0.056 χ^2/NDF: 9540050.9/57



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: -31.323+/-18.365 χ^2/NDF:7.9/10

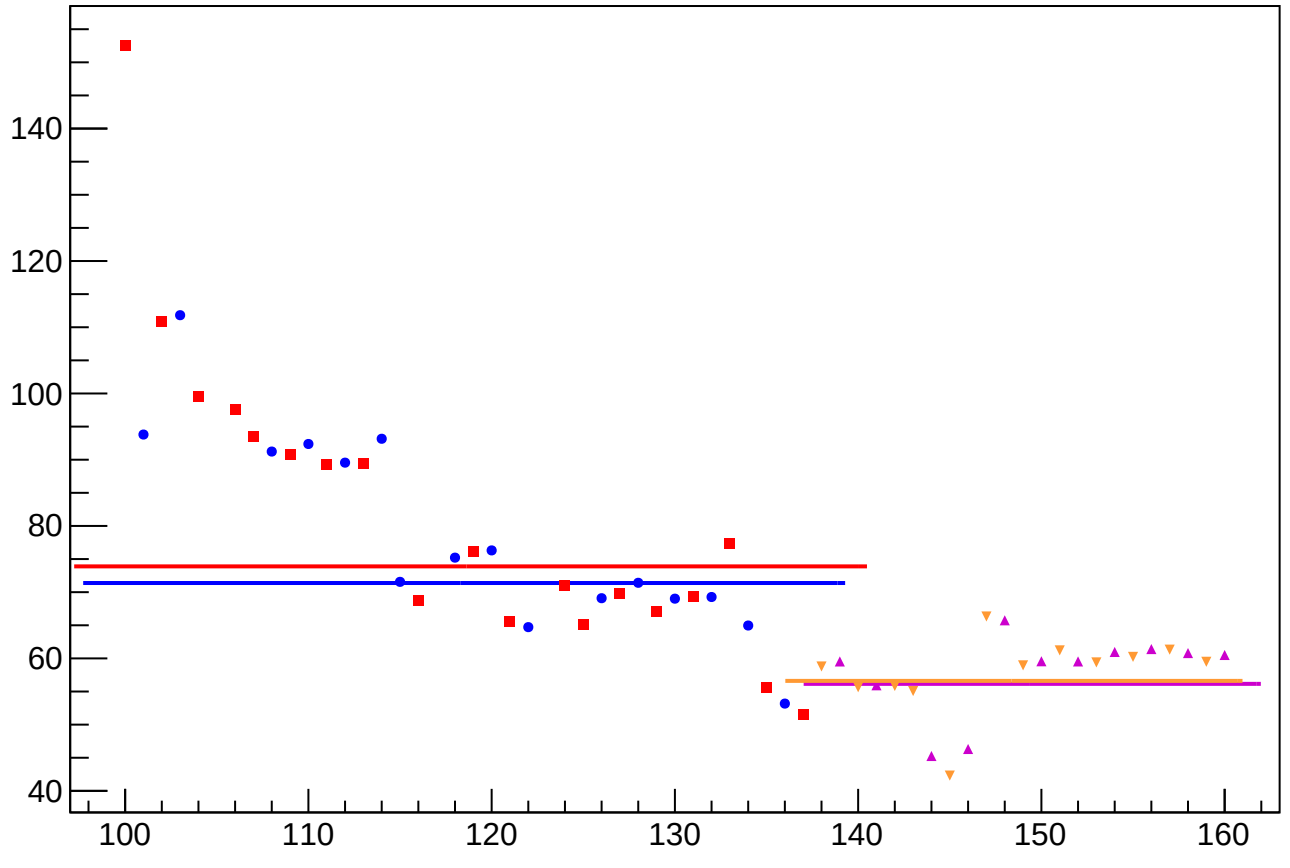
Left: -22.758+/-13.029 χ^2/NDF: 33.8/22

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -41.169+/-15.223 χ^2/NDF:22.3/26

Out: -14.340+/-15.392 χ^2/NDF:36.9/30

All: -27.903+/-10.823 χ^2/NDF: 60.7/57



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: 56.156+/-0.013 χ^2/NDF:274780.0/10

Left: 56.379+/-0.009 χ^2/NDF: 532190.6/22

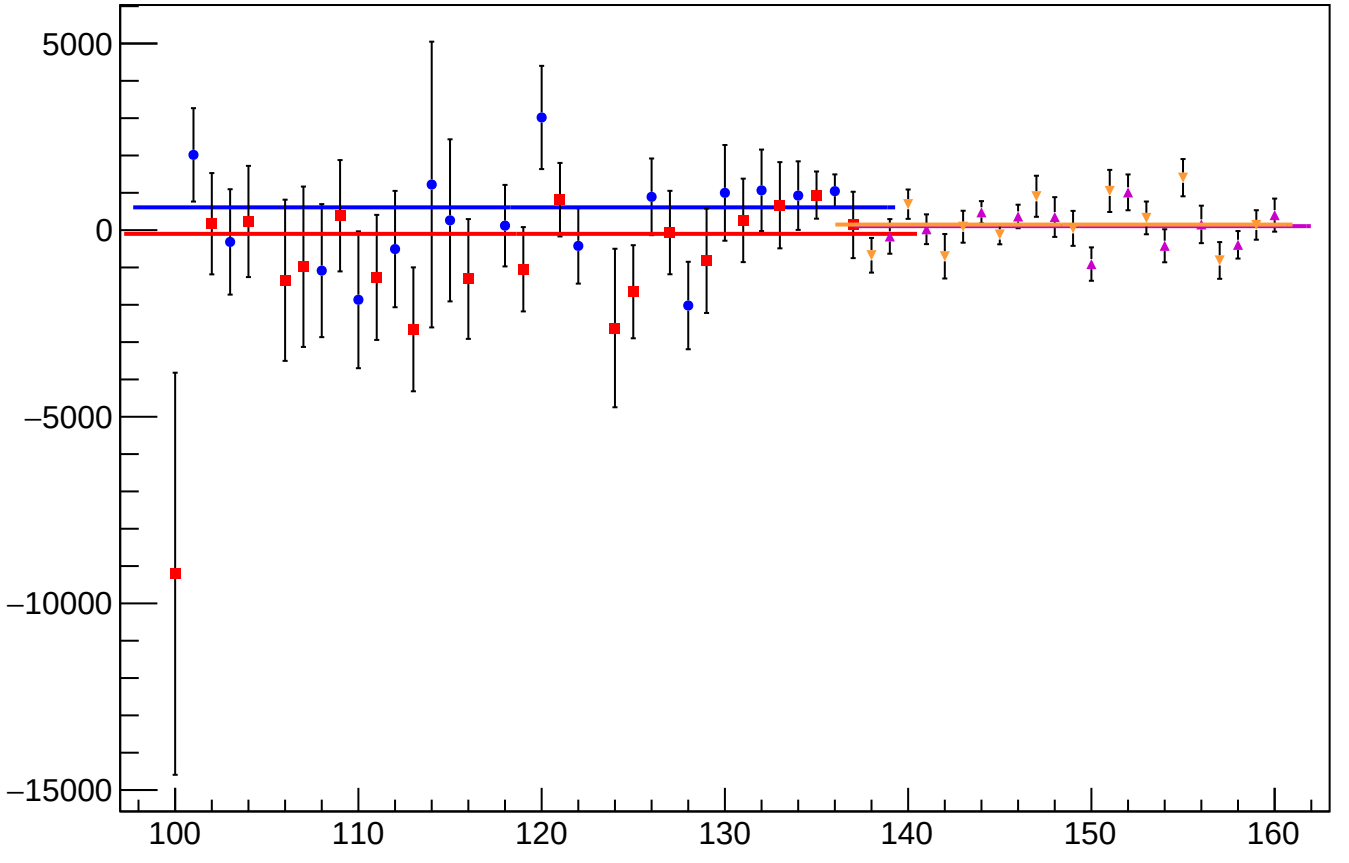
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.011 χ^2/NDF:1295930.4/26

Out: 61.912+/-0.011 χ^2/NDF:1420563.9/30

All: 61.411+/-0.008 χ^2/NDF: 2720682.9/57

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: 106.856+/-122.575 χ^2/NDF:15.2/10

Left: 127.806+/-87.349 χ^2/NDF: 38.2/22

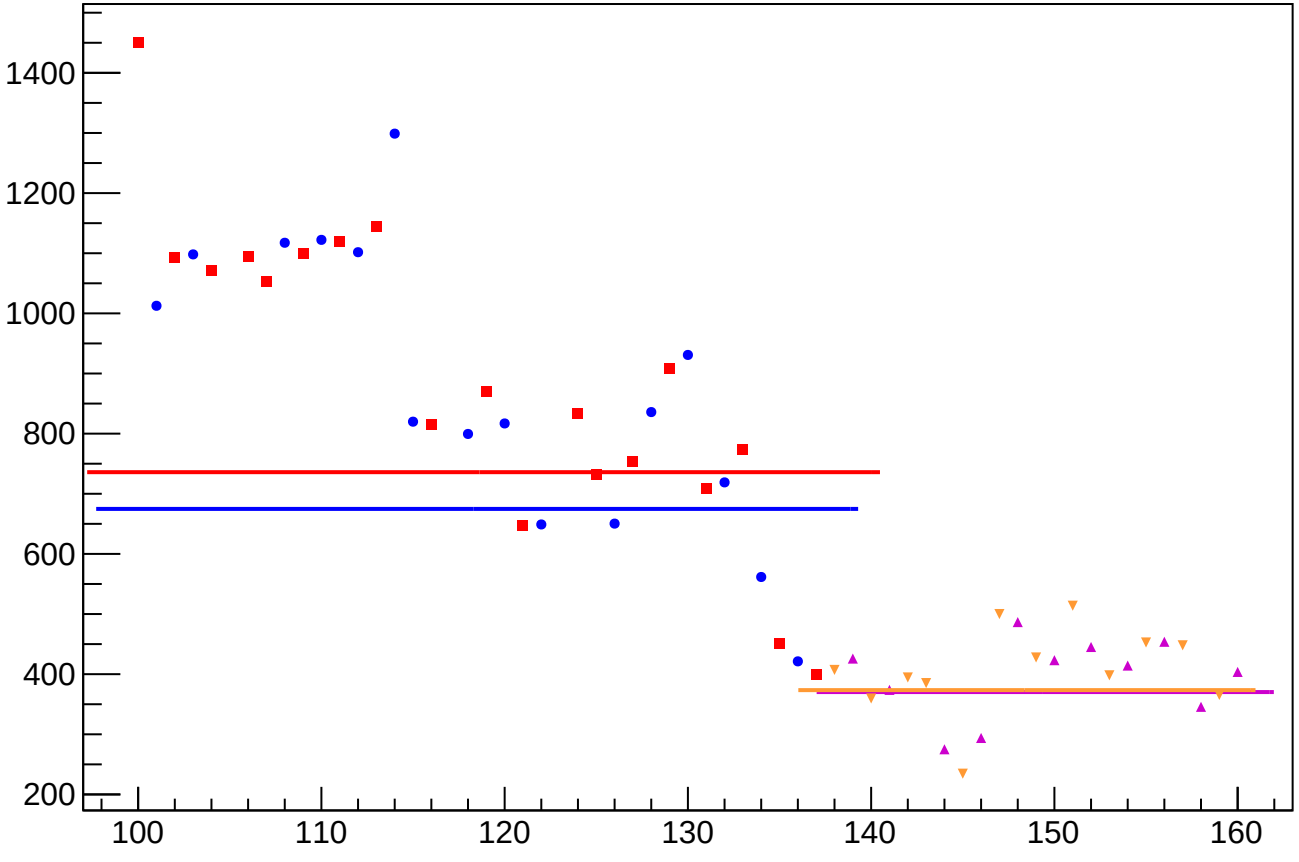
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 194.641+/-111.383 χ^2/NDF:33.9/26

Out: 109.478+/-114.085 χ^2/NDF:38.7/30

All: 153.080+/-79.698 χ^2/NDF: 72.8/57

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: 370.252+/-0.087 χ^2/NDF:616330.4/10

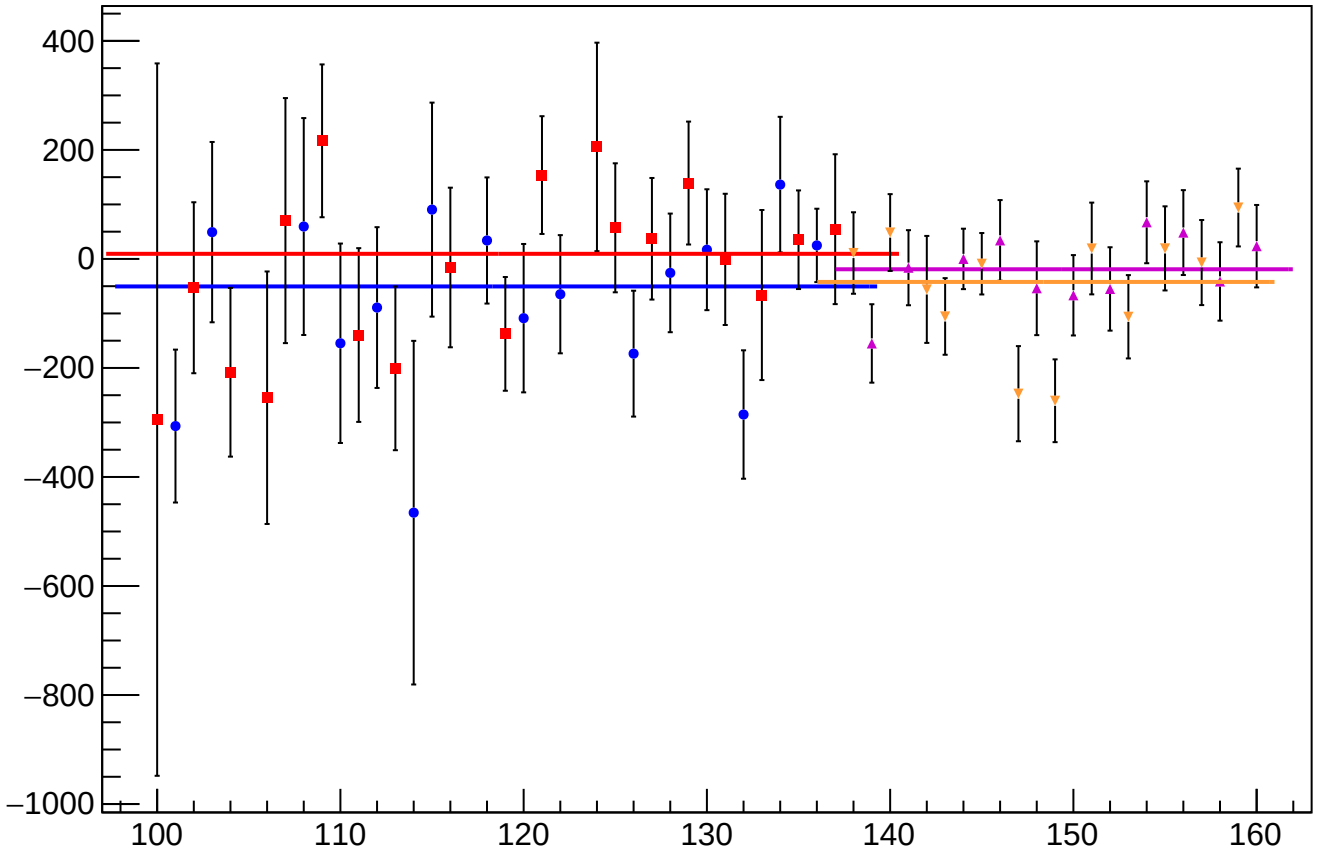
Left: 371.831+/-0.062 χ^2/NDF: 1549424.7/22

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 423.335+/-0.079 χ^2/NDF:4386146.5/26

Out: 431.610+/-0.081 χ^2/NDF:5148516.3/30

All: 427.373+/-0.056 χ^2/NDF: 9540050.9/57



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: -18.957+/-21.756 χ^2/NDF:7.5/10

Left: -30.670+/-15.321 χ^2/NDF: 30.9/22

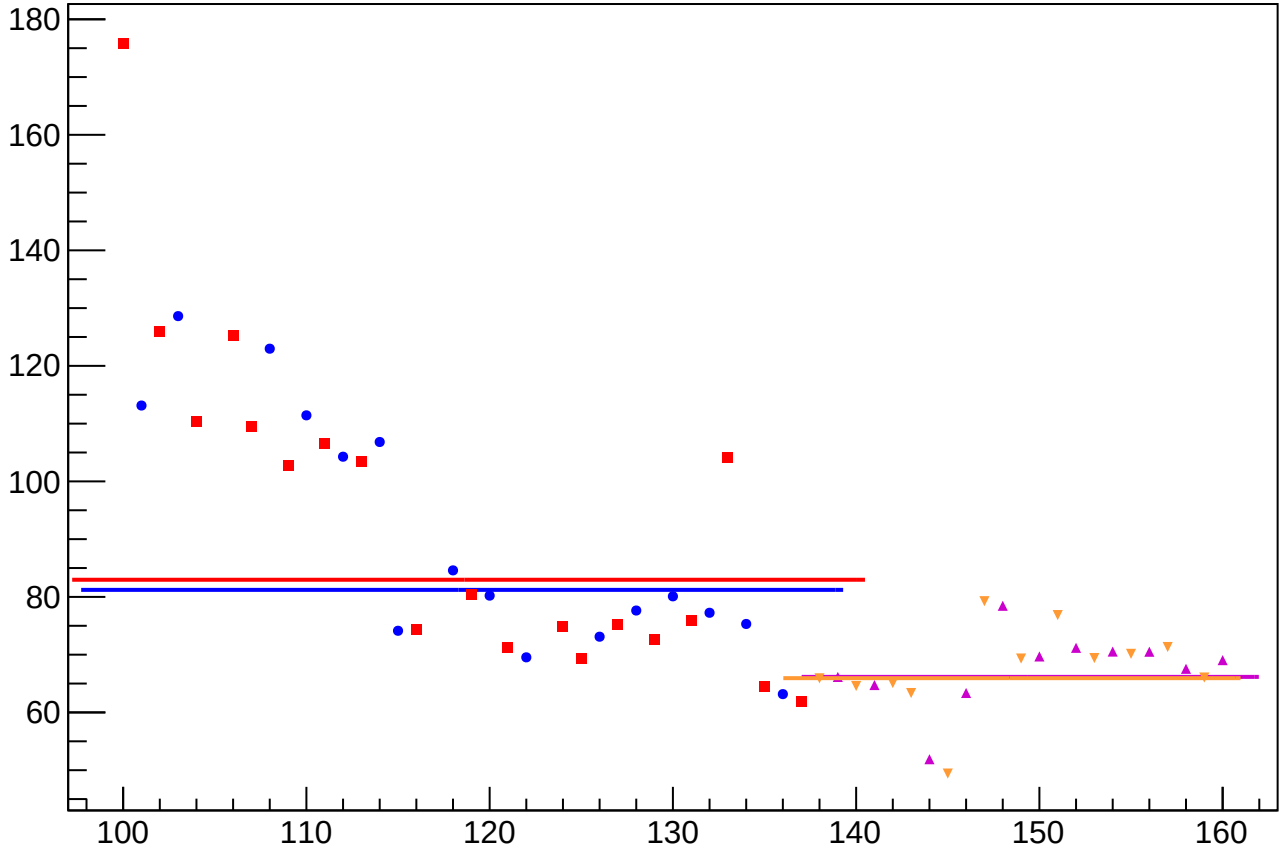
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -29.327+/-17.820 χ^2/NDF:24.6/26

Out: -25.530+/-17.755 χ^2/NDF:40.2/30

All: -27.422+/-12.577 χ^2/NDF: 64.9/57

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 66.155+/-0.015 χ^2/NDF:206902.5/10

Left: 66.043+/-0.011 χ^2/NDF: 486346.1/22

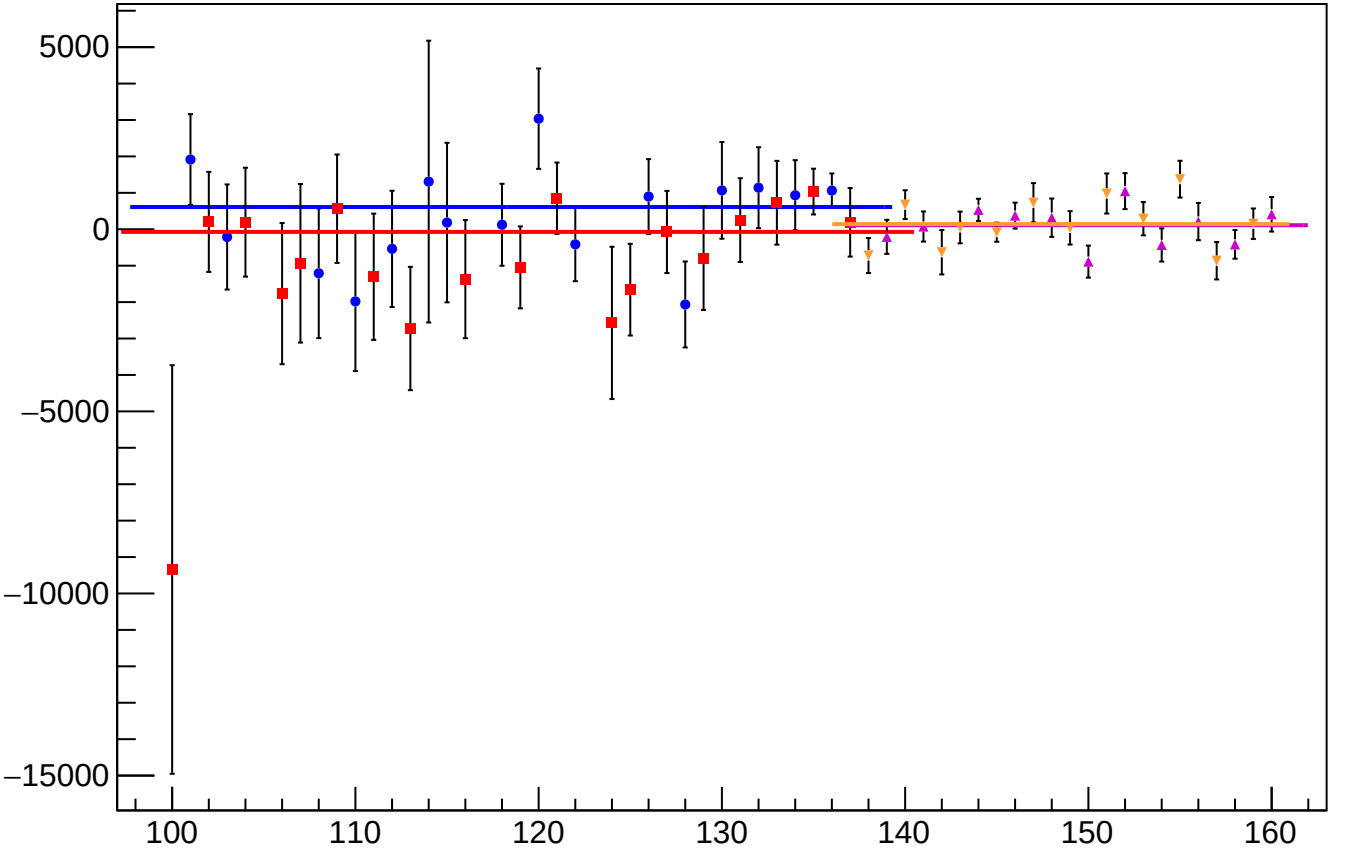
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.113+/-0.013 χ^2/NDF:1185325.2/26

Out: 71.438+/-0.013 χ^2/NDF:1412515.5/30

All: 71.276+/-0.009 χ^2/NDF: 2598176.5/57

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



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: 111.591+/-127.484 χ^2/NDF:15.5/10

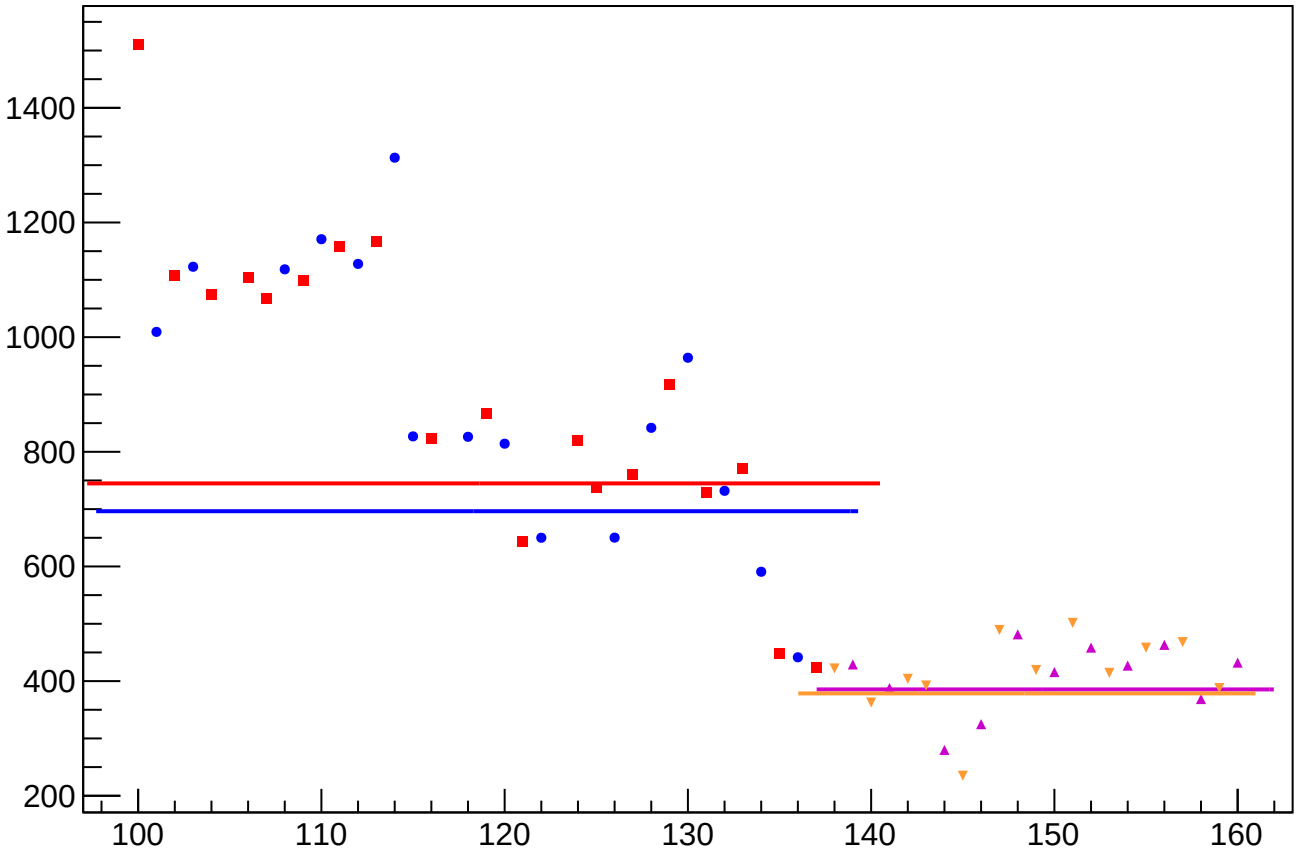
Left: 126.528+/-89.646 χ^2/NDF: 36.4/22

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 200.362+/-115.584 χ^2/NDF:34.0/26

Out: 106.573+/-115.426 χ^2/NDF:37.5/30

All: 153.403+/-81.674 χ^2/NDF: 71.9/57



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: 385.513+/-0.090 χ^2/NDF:520292.9/10

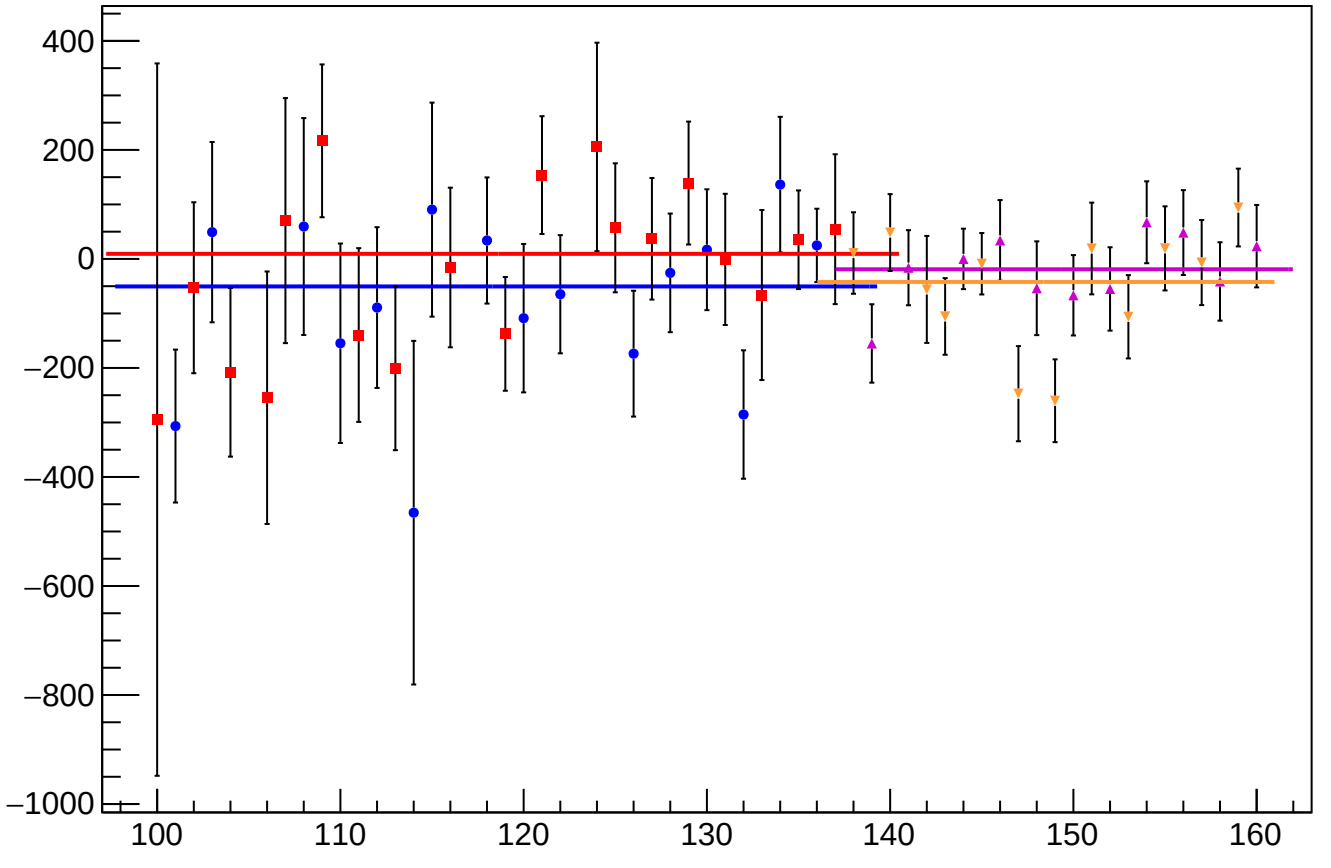
Left: 381.987+/-0.063 χ^2/NDF: 1471367.0/22

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 440.837+/-0.082 χ^2/NDF:4152169.7/26

Out: 437.864+/-0.082 χ^2/NDF:5180508.9/30

All: 439.348+/-0.058 χ^2/NDF: 9333341.1/57



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: -18.956+/-21.756 χ^2/NDF:7.5/10

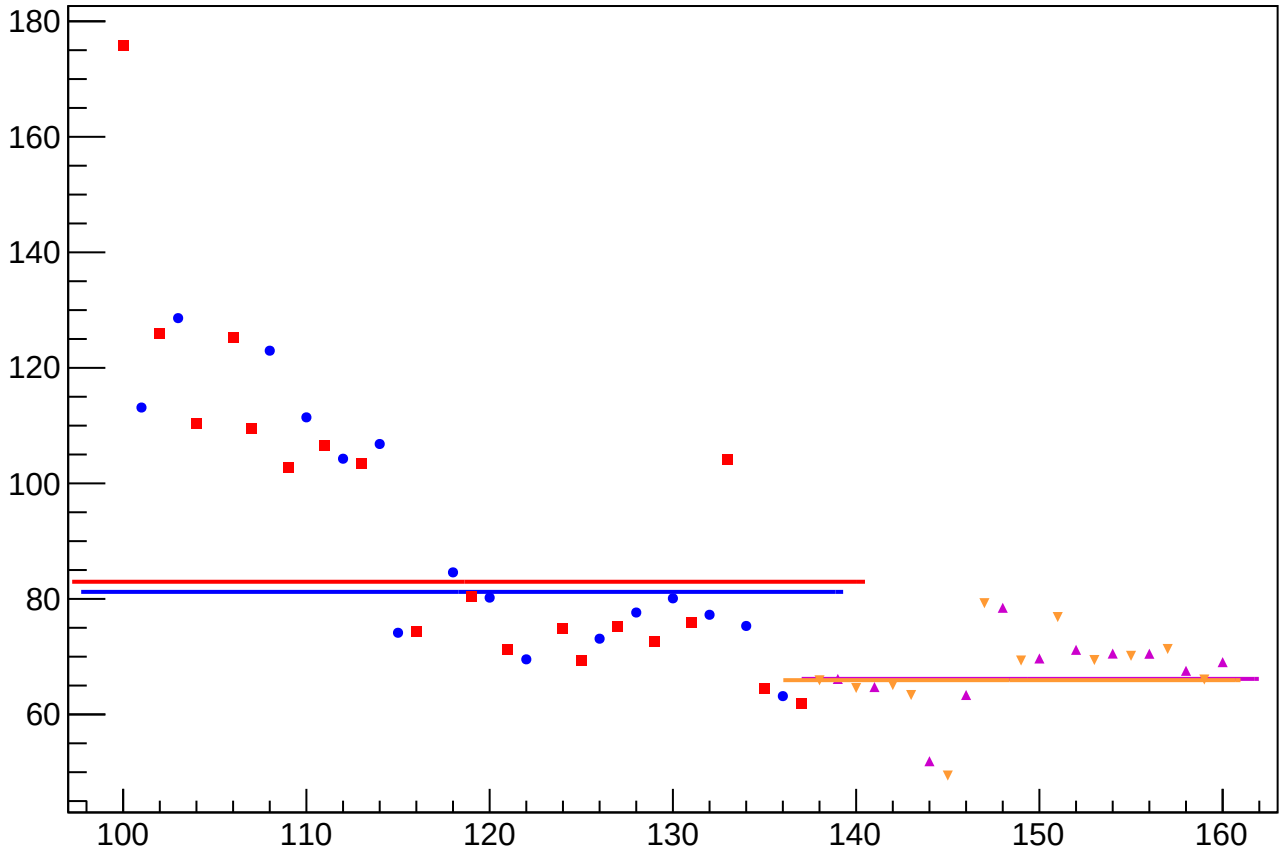
Left: -30.670+/-15.321 χ^2/NDF: 30.9/22

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -29.327+/-17.820 χ^2/NDF:24.6/26

Out: -25.530+/-17.755 χ^2/NDF:40.2/30

All: -27.422+/-12.577 χ^2/NDF: 64.9/57



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: 66.155+/-0.015 χ^2/NDF:206900.3/10

Left: 66.043+/-0.011 χ^2/NDF: 486338.8/22

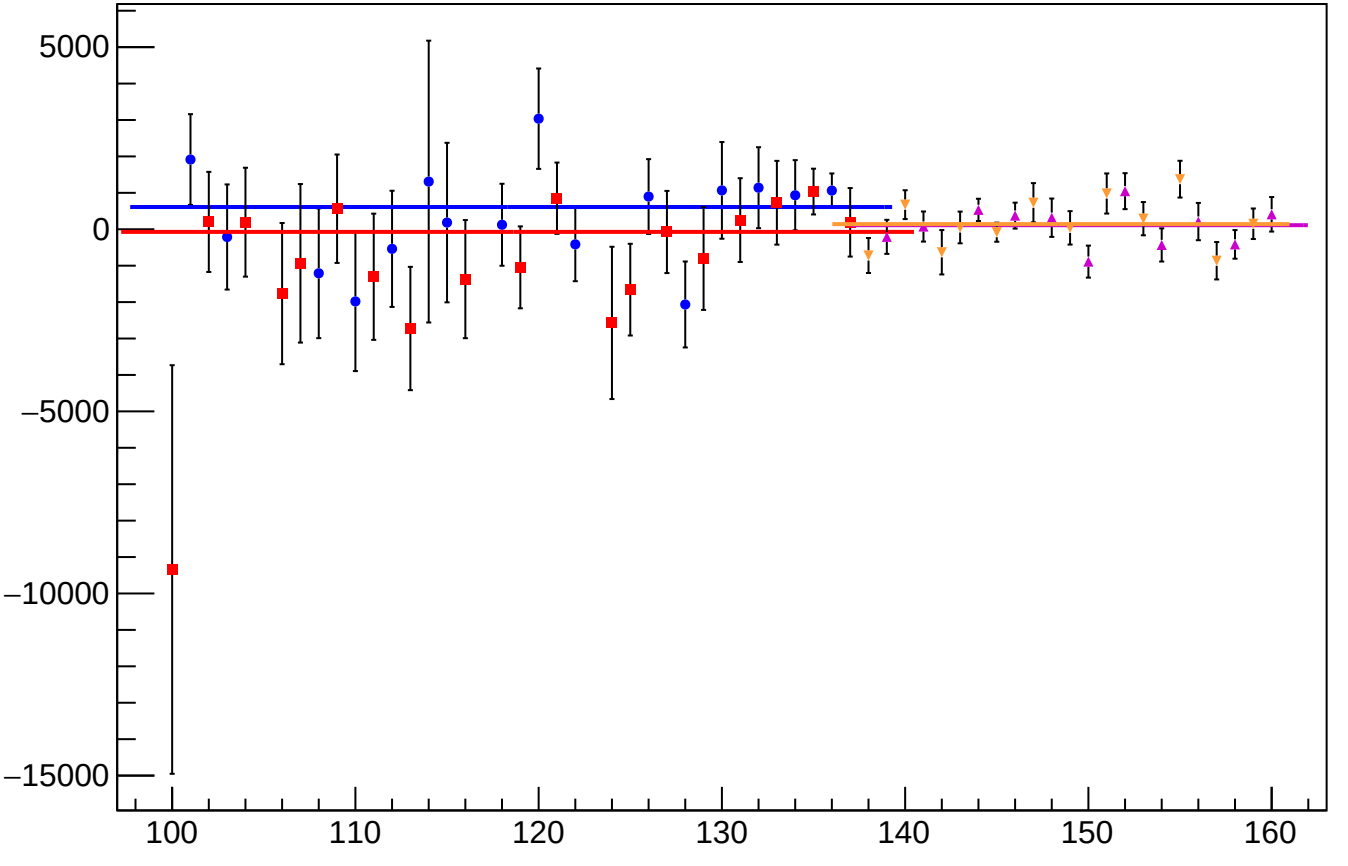
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.113+/-0.013 χ^2/NDF:1185286.1/26

Out: 71.439+/-0.013 χ^2/NDF:1412478.6/30

All: 71.276+/-0.009 χ^2/NDF: 2598100.7/57

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 141.139+/-126.086 χ^2/NDF:20.9/11

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 111.591+/-127.484 χ^2/NDF:15.5/10

Left: 126.528+/-89.646 χ^2/NDF: 36.4/22

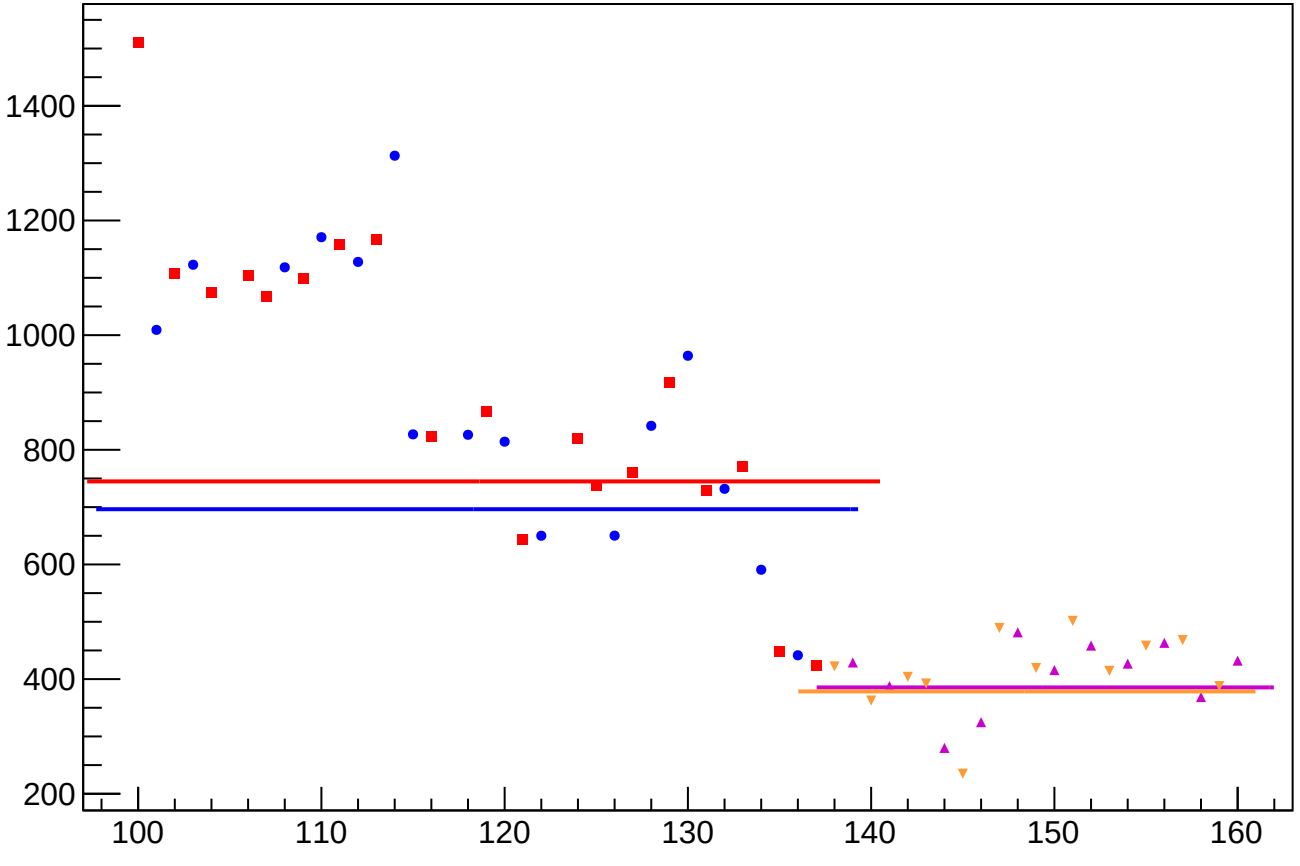
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 200.363+/-115.584 χ^2/NDF:34.0/26

Out: 106.572+/-115.426 χ^2/NDF:37.5/30

All: 153.403+/-81.674 χ^2/NDF: 71.9/57

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: 385.513+/-0.090 χ^2/NDF:520301.1/10

Left: 381.987+/-0.063 χ^2/NDF: 1471396.1/22

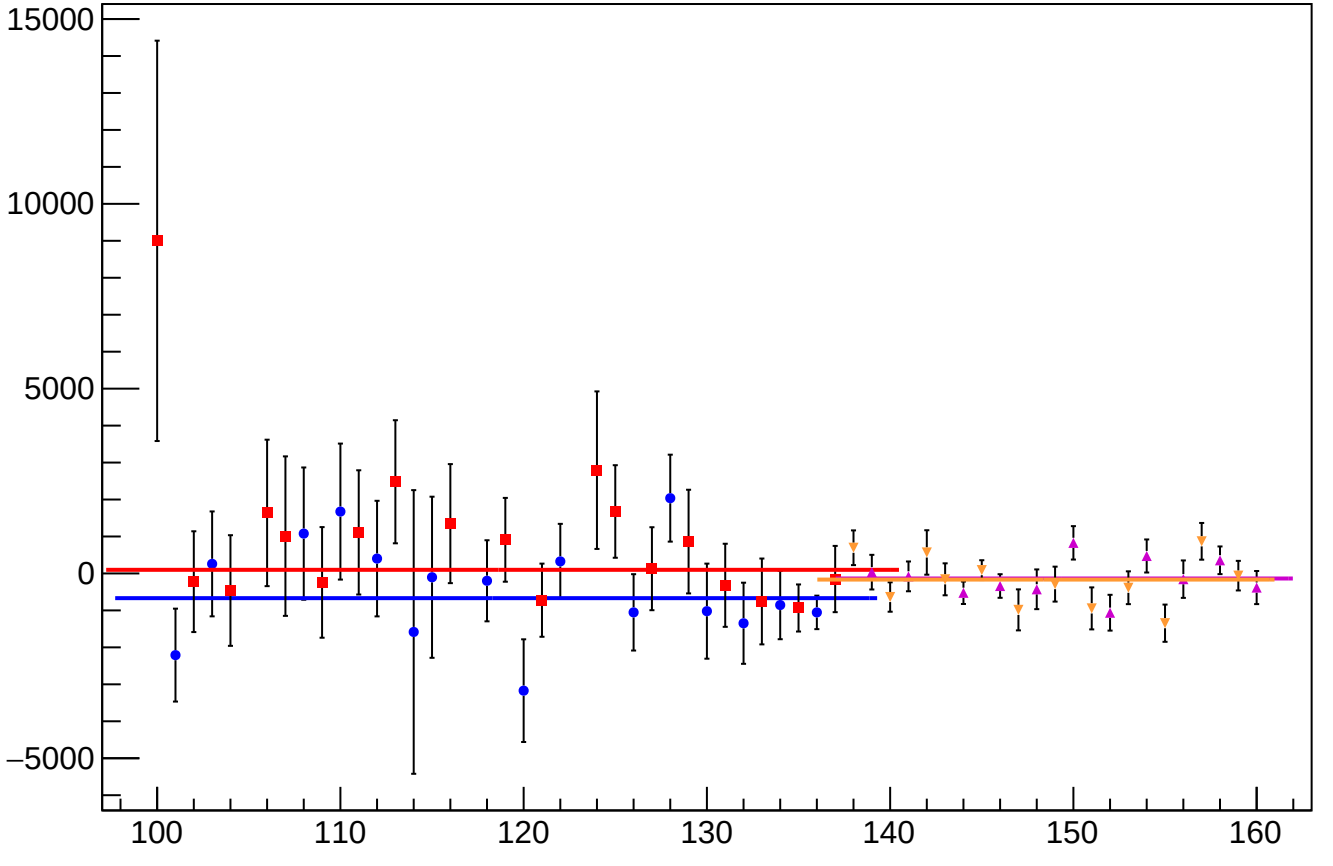
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 440.837+/-0.082 χ^2/NDF:4152153.1/26

Out: 437.864+/-0.082 χ^2/NDF:5180510.4/30

All: 439.348+/-0.058 χ^2/NDF: 9333326.3/57

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: -136.830+/-124.029 χ^2/NDF:14.6/10

Left: -151.147+/-88.382 χ^2/NDF: 36.0/22

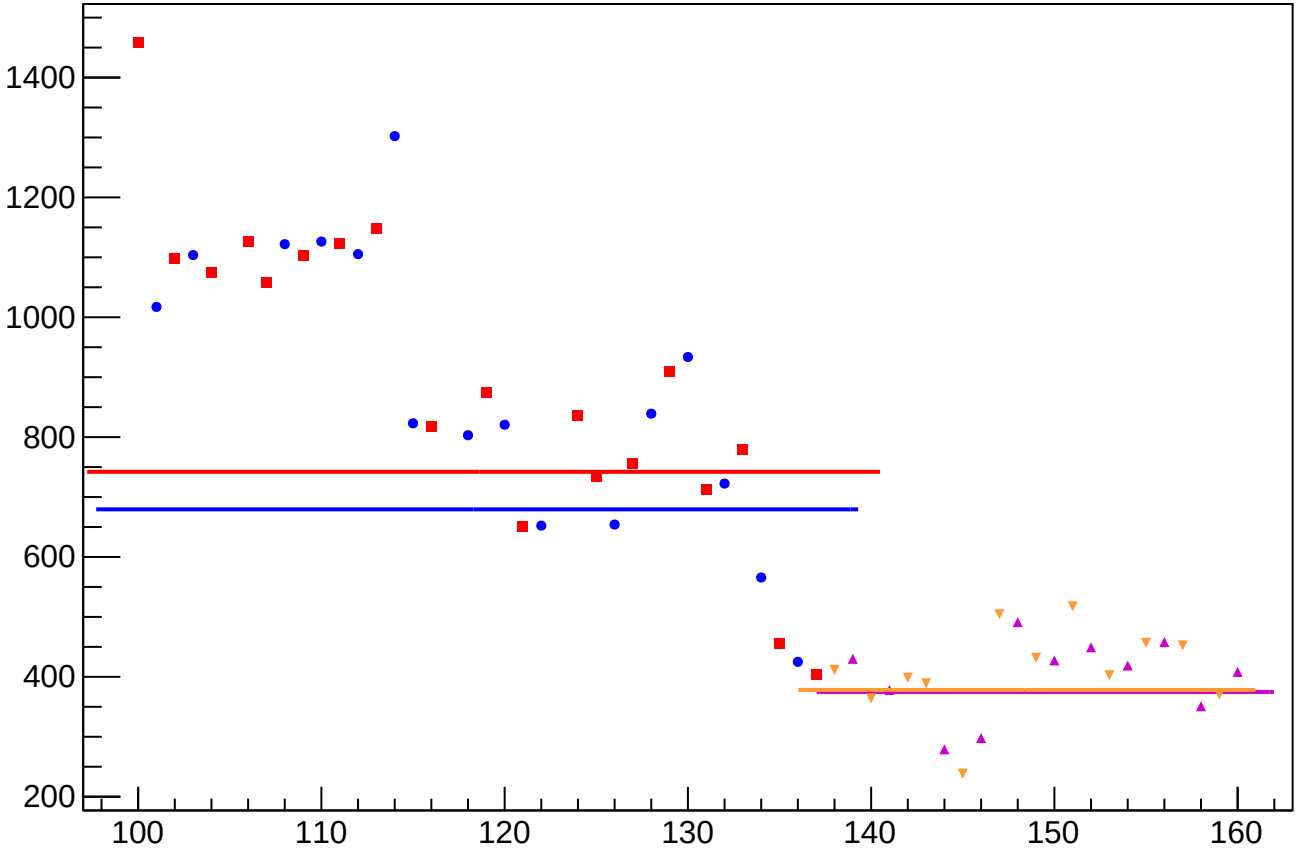
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -230.355+/-112.593 χ^2/NDF:33.9/26

Out: -123.003+/-115.279 χ^2/NDF:37.0/30

All: -177.944+/-80.548 χ^2/NDF: 71.4/57

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: 374.814+/-0.088 χ^2/NDF:604058.3/10

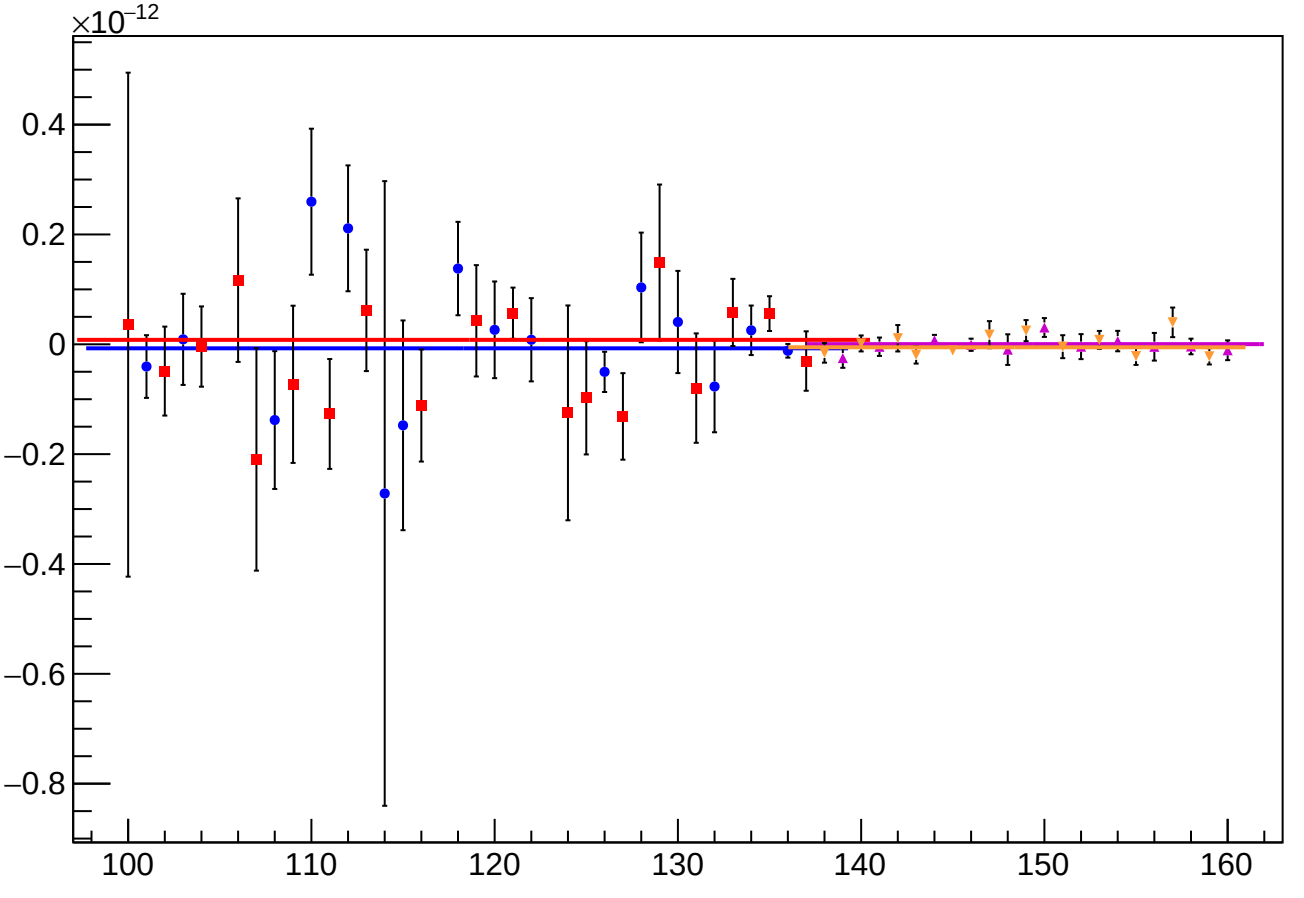
Left: 376.442+/-0.062 χ^2/NDF: 1515056.0/22

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 428.406+/-0.080 χ^2/NDF:4327665.9/26

Out: 437.301+/-0.082 χ^2/NDF:5129229.7/30

All: 432.749+/-0.057 χ^2/NDF: 9462990.9/57



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:6.5/10

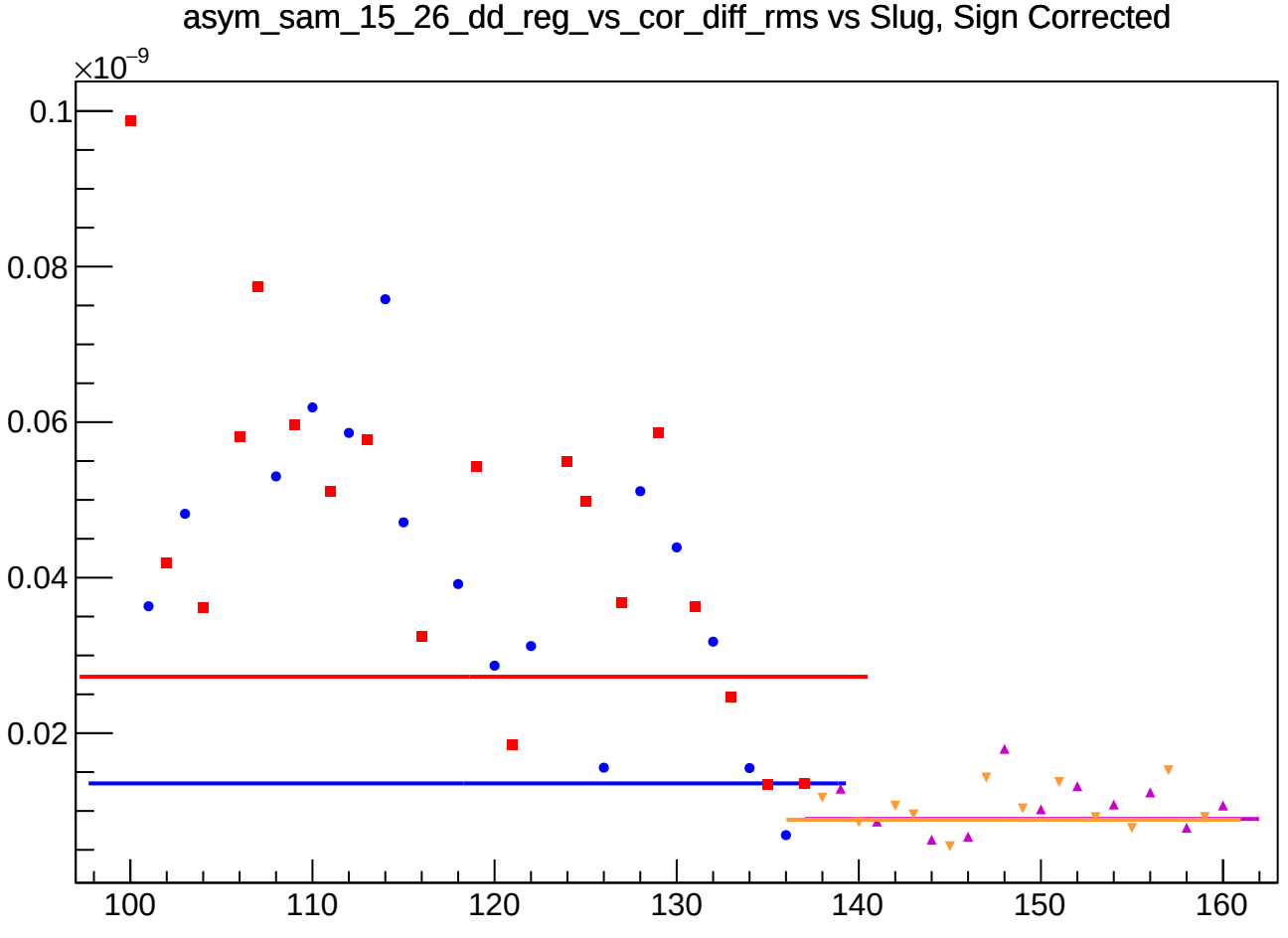
Left: -0.000+/-0.000 χ^2/NDF: 18.5/22

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:24.1/26

Out: -0.000+/-0.000 χ^2/NDF:28.9/30

All: -0.000+/-0.000 χ^2/NDF: 53.3/57



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:700739.3/10

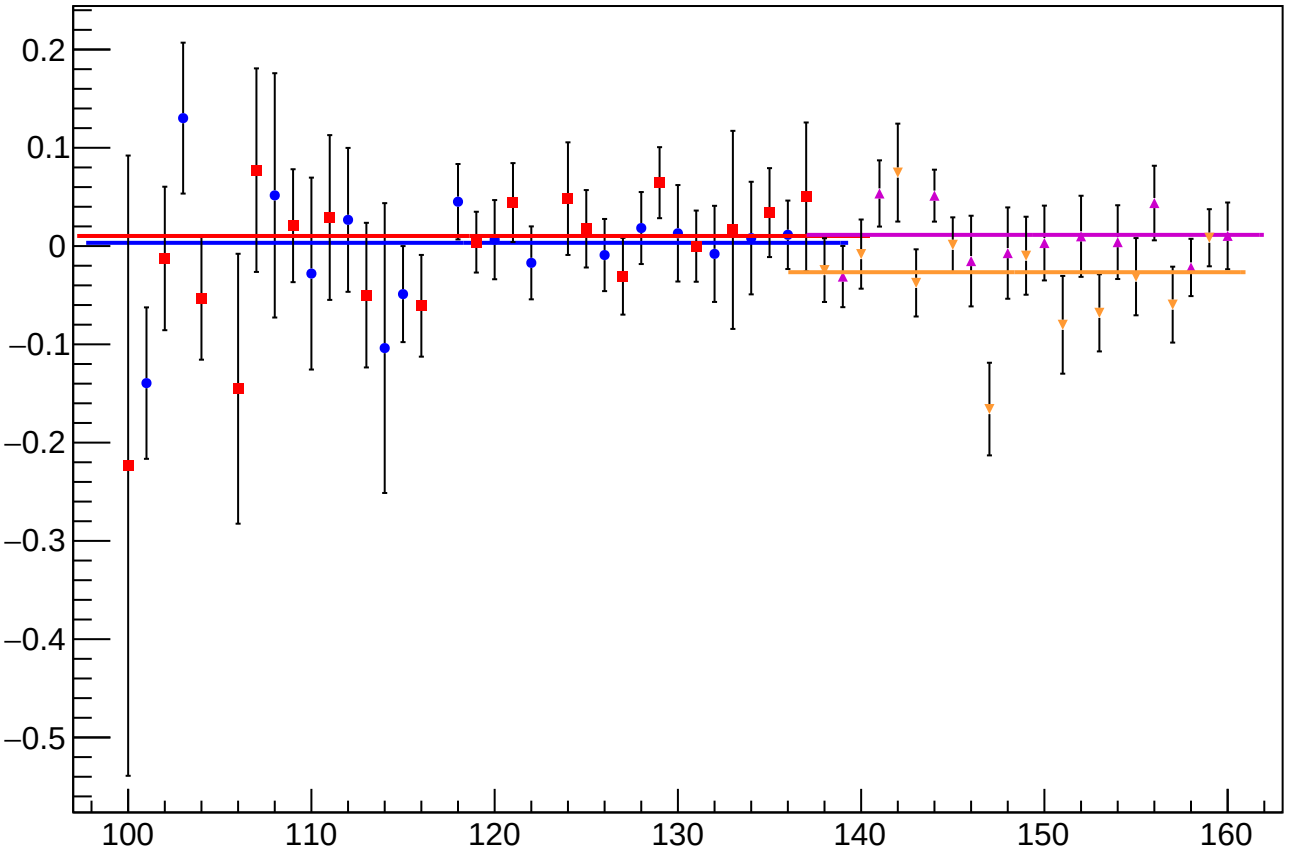
Left: 0.000+/-0.000 χ^2/NDF: 1407774.2/22

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4063113.1/26

Out: 0.000+/-0.000 χ^2/NDF:4546591.7/30

All: 0.000+/-0.000 χ^2/NDF: 8615927.8/57



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: 0.011+/-0.011 χ^2/NDF:8.3/10

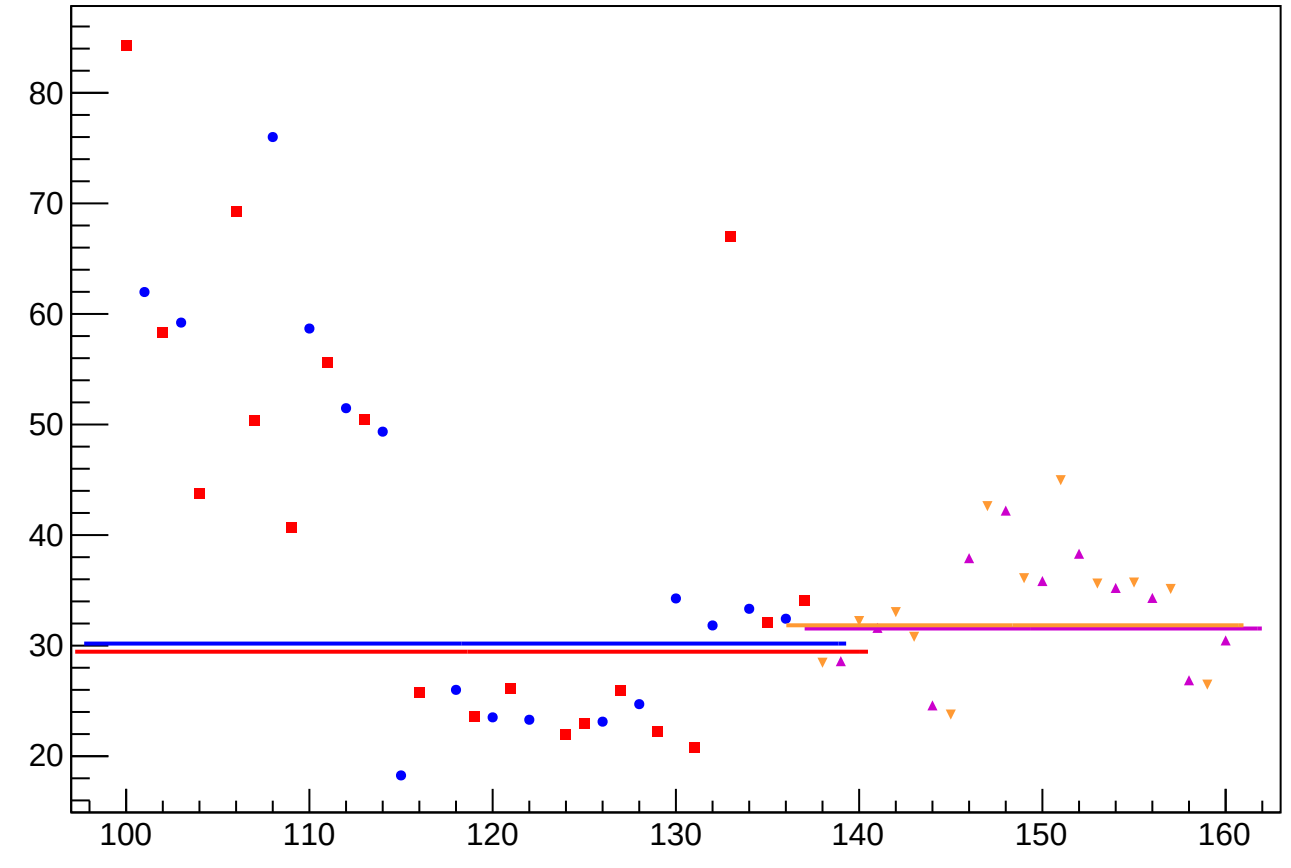
Left: -0.008+/-0.007 χ^2/NDF: 33.7/22

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.001+/-0.006 χ^2/NDF: 56.8/57



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: 31.549+/-0.007 χ^2/NDF:462408.9/10

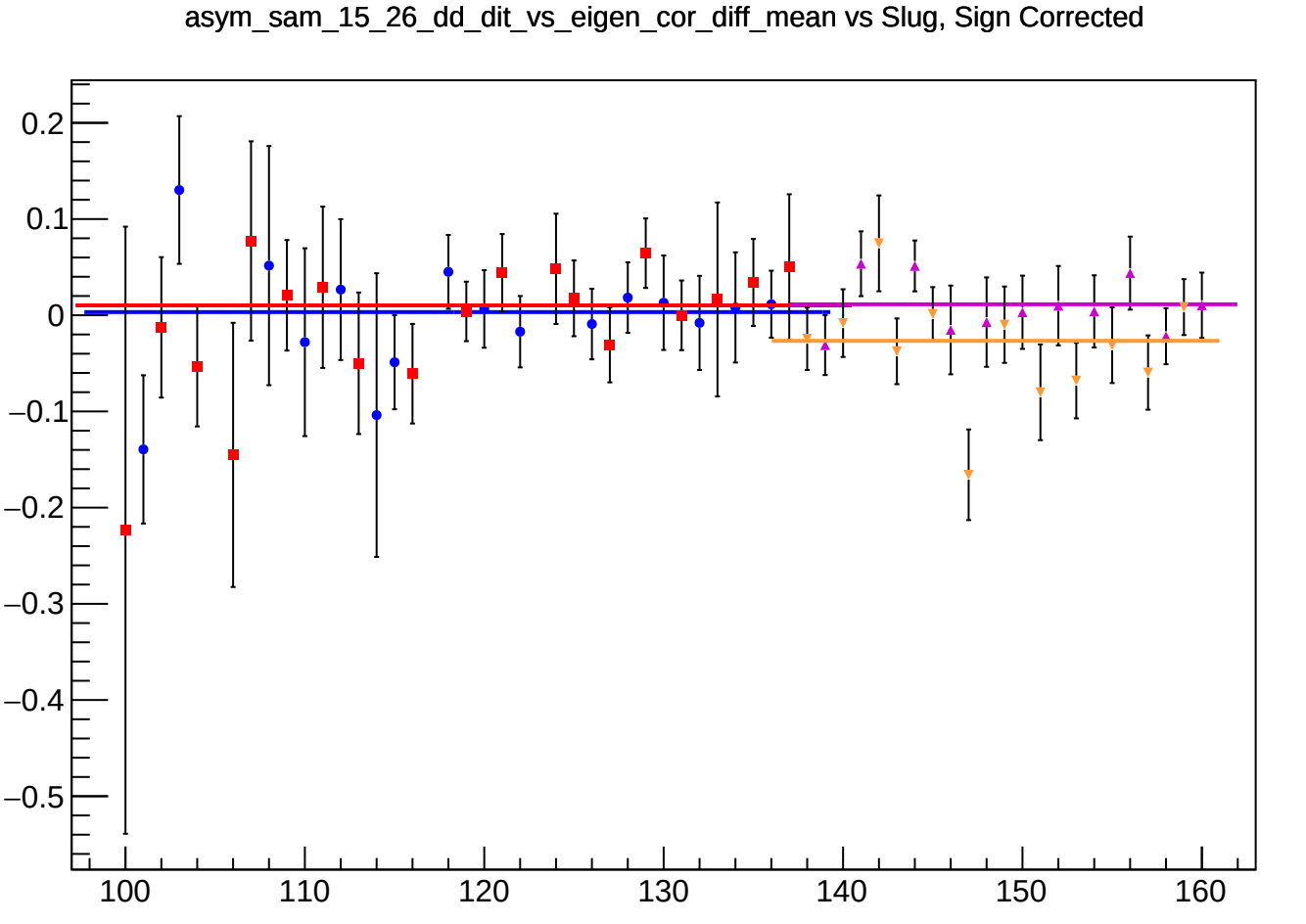
Left: 31.694+/-0.005 χ^2/NDF: 1042349.9/22

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.971+/-0.006 χ^2/NDF:2163948.6/26

Out: 30.777+/-0.006 χ^2/NDF:2473168.7/30

All: 30.873+/-0.004 χ^2/NDF: 4637715.2/57



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: 0.011+/-0.011 χ^2/NDF:8.3/10

Left: -0.008+/-0.007 χ^2/NDF: 33.7/22

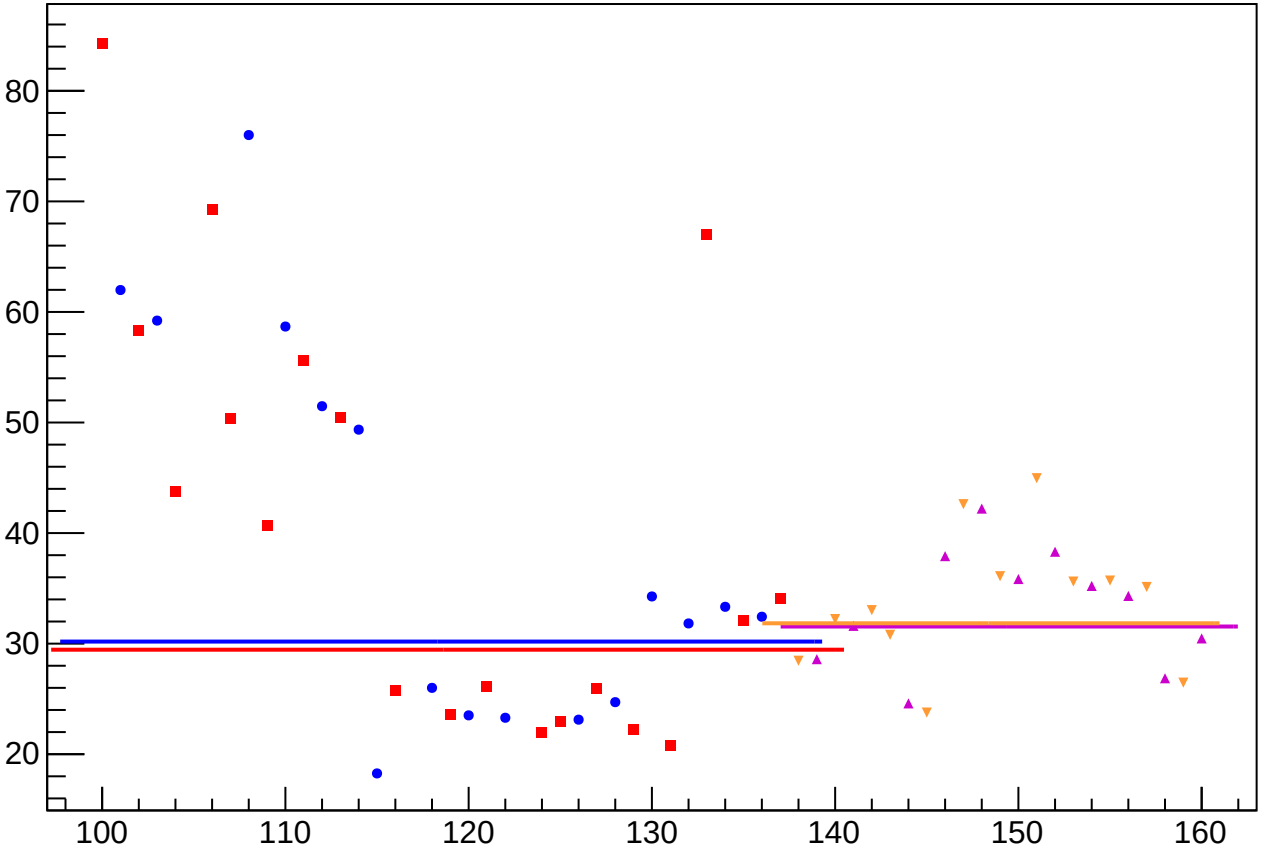
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.001+/-0.006 χ^2/NDF: 56.8/57

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: 31.549+/-0.007 χ^2/NDF:462408.9/10

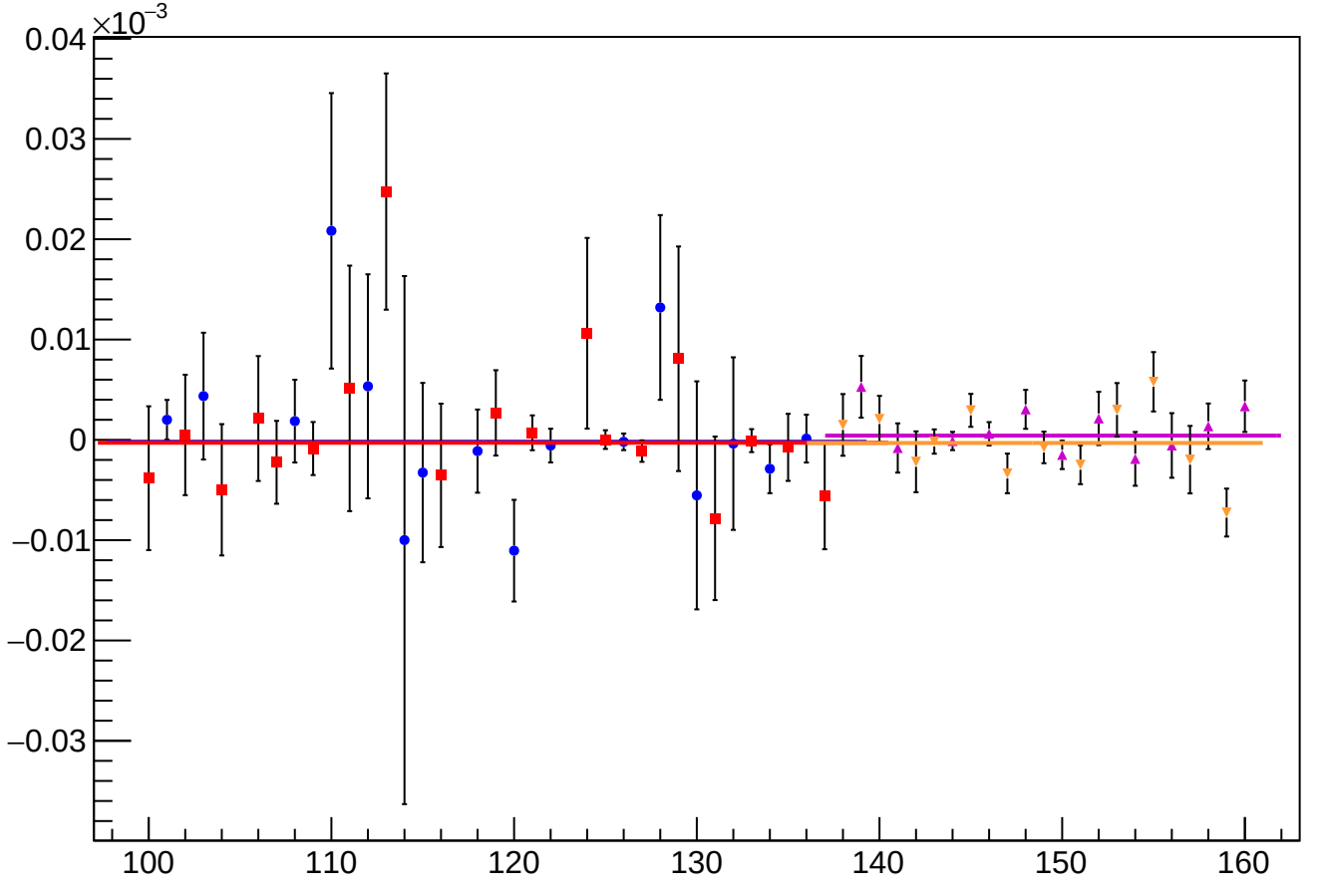
Left: 31.694+/-0.005 χ^2/NDF: 1042349.9/22

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.971+/-0.006 χ^2/NDF:2163948.6/26

Out: 30.777+/-0.006 χ^2/NDF:2473168.7/30

All: 30.873+/-0.004 χ^2/NDF: 4637715.2/57



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:9.5/10

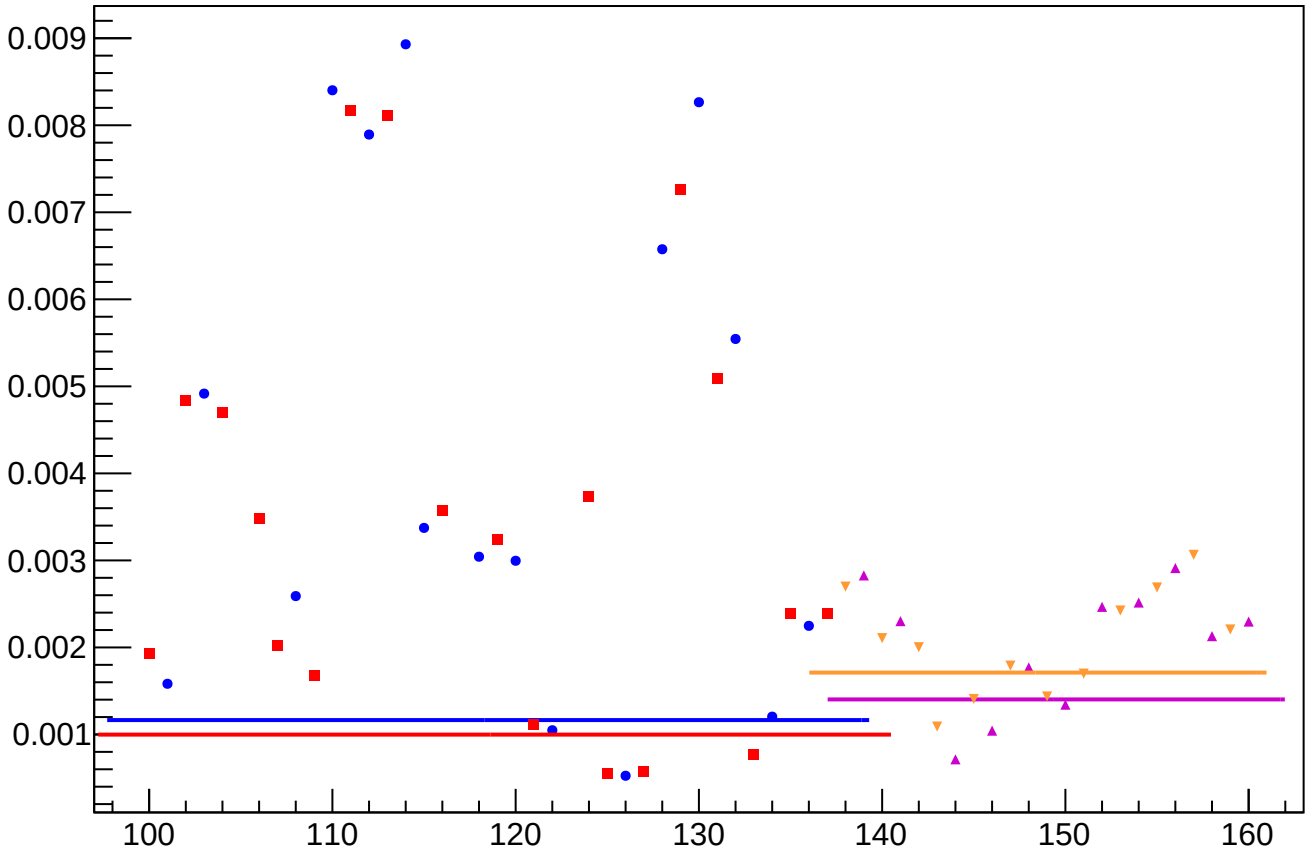
Left: 0.000+/-0.000 χ^2/NDF: 34.3/22

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:23.2/26

Out: -0.000+/-0.000 χ^2/NDF:35.3/30

All: -0.000+/-0.000 χ^2/NDF: 59.2/57



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:3660562.6/10

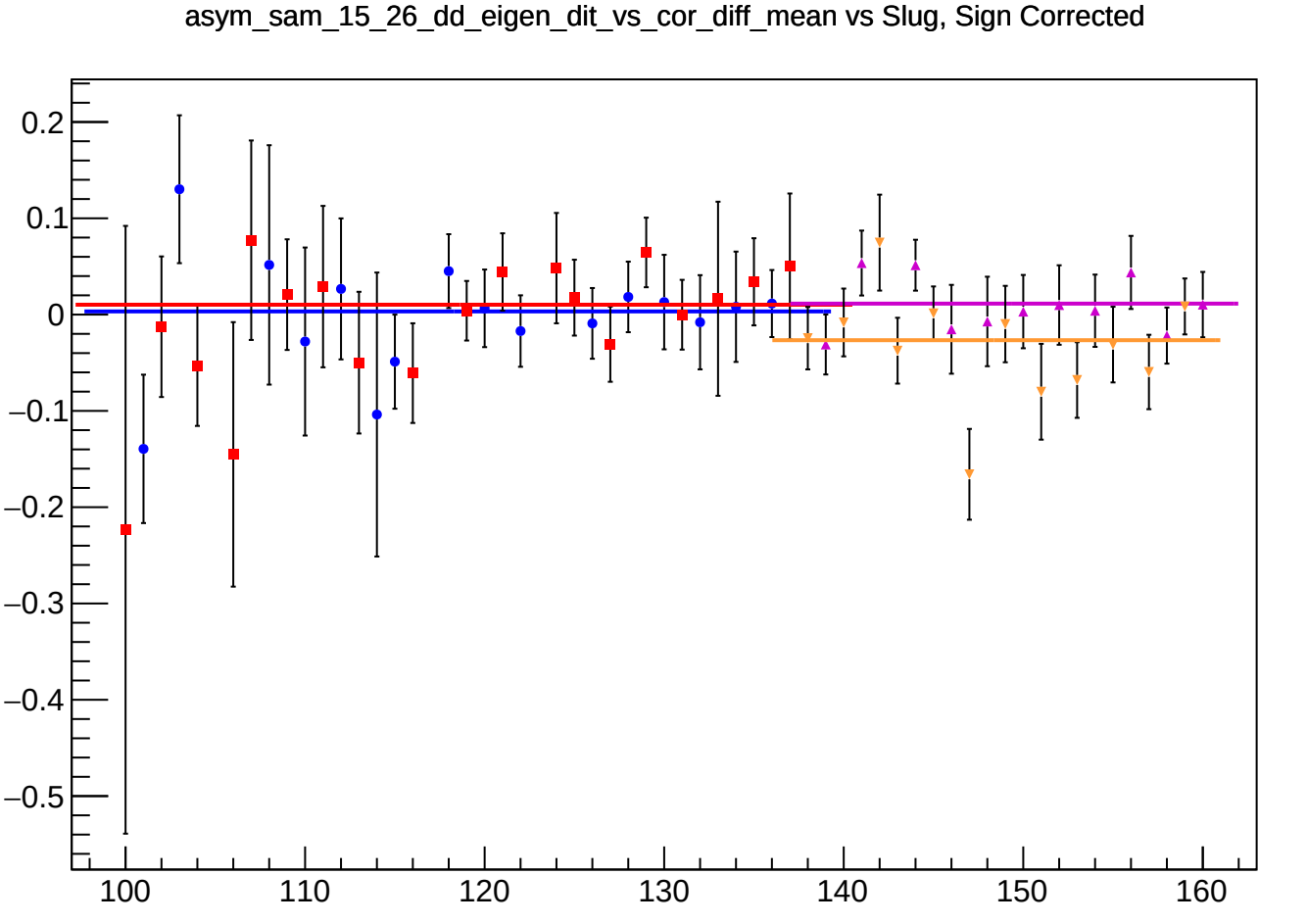
Left: 0.002+/-0.000 χ^2/NDF: 5681029.4/22

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:10716318.9/26

Out: 0.001+/-0.000 χ^2/NDF:10293417.0/30

All: 0.001+/-0.000 χ^2/NDF: 21010320.4/57



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: 0.011+/-0.011 χ^2/NDF:8.3/10

Left: -0.008+/-0.007 χ^2/NDF: 33.7/22

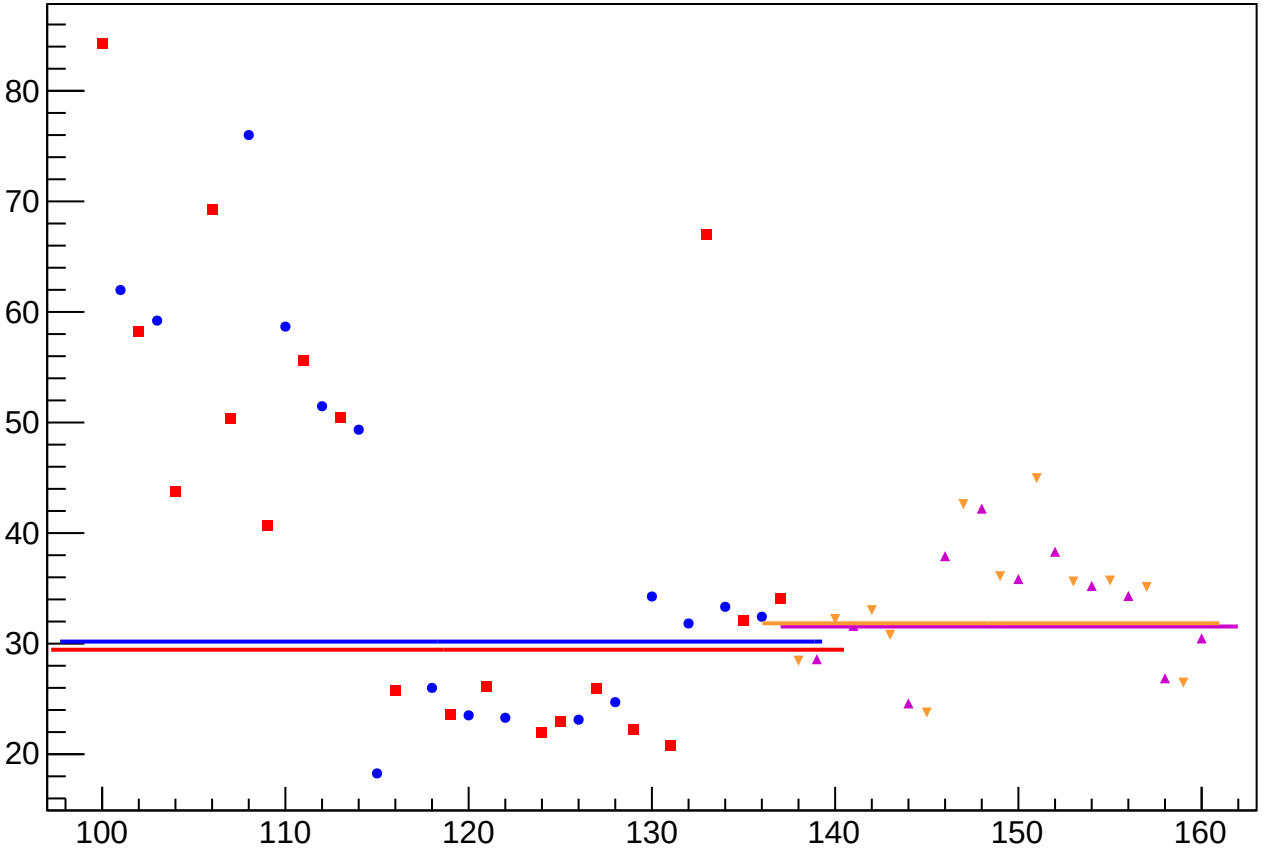
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.001+/-0.006 χ^2/NDF: 56.8/57

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: 31.549+/-0.007 χ^2/NDF:462400.9/10

Left: 31.694+/-0.005 χ^2/NDF: 1042313.0/22

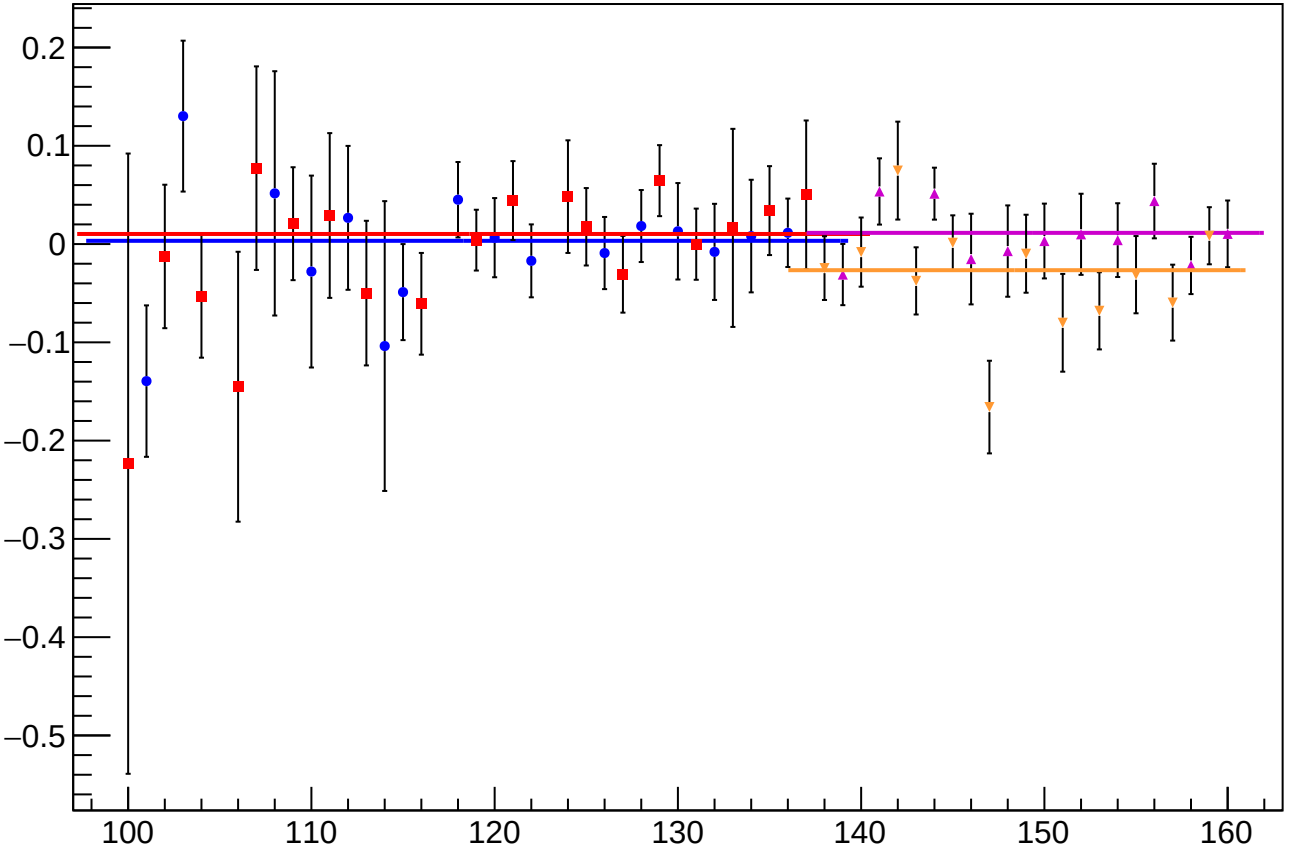
Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.971+/-0.006 χ^2/NDF:2163760.0/26

Out: 30.777+/-0.006 χ^2/NDF:2473170.8/30

All: 30.873+/-0.004 χ^2/NDF: 4637530.2/57

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.011+/-0.011 χ^2/NDF:8.3/10

Left: -0.008+/-0.007 χ^2/NDF: 33.7/22

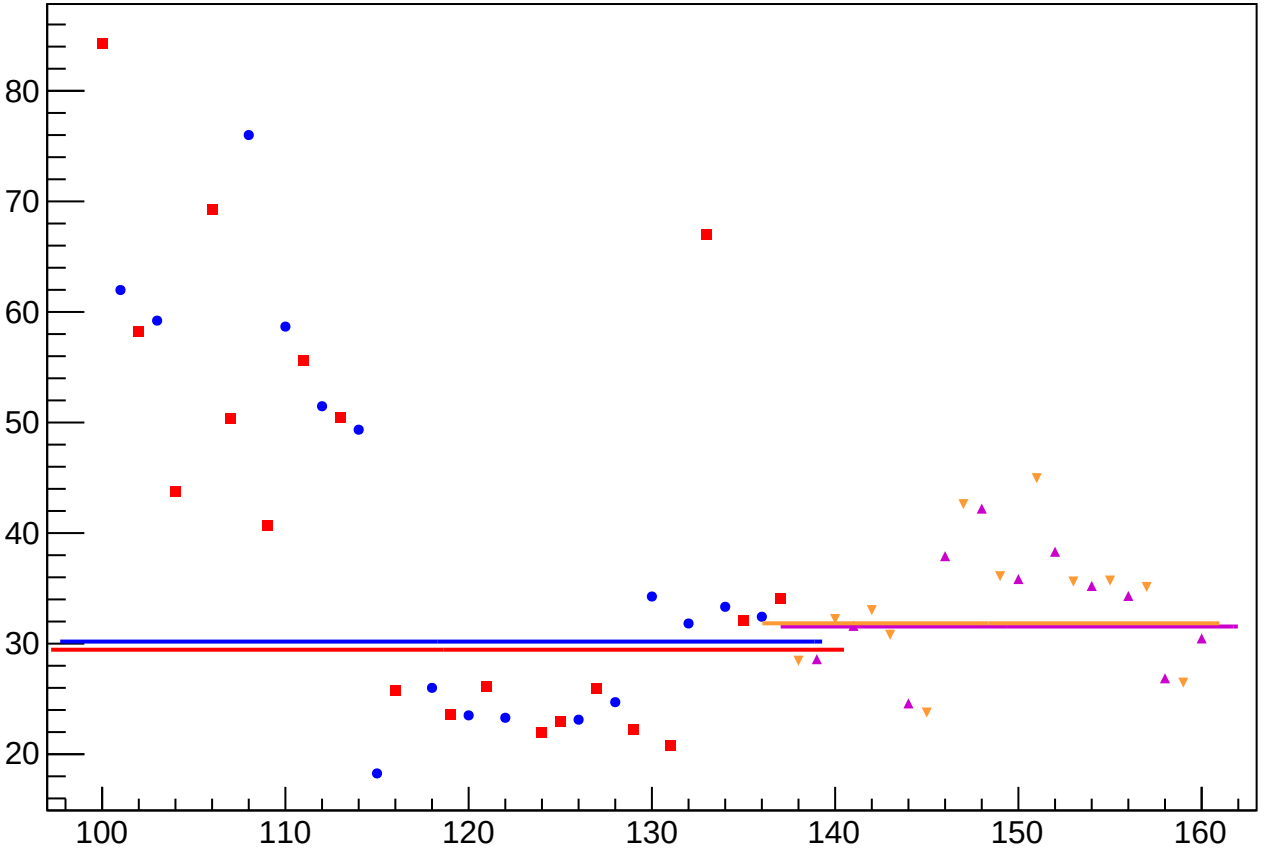
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.010+/-0.008 χ^2/NDF:35.5/30

All: -0.001+/-0.006 χ^2/NDF: 56.8/57

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: 31.549+/-0.007 χ^2/NDF:462400.9/10

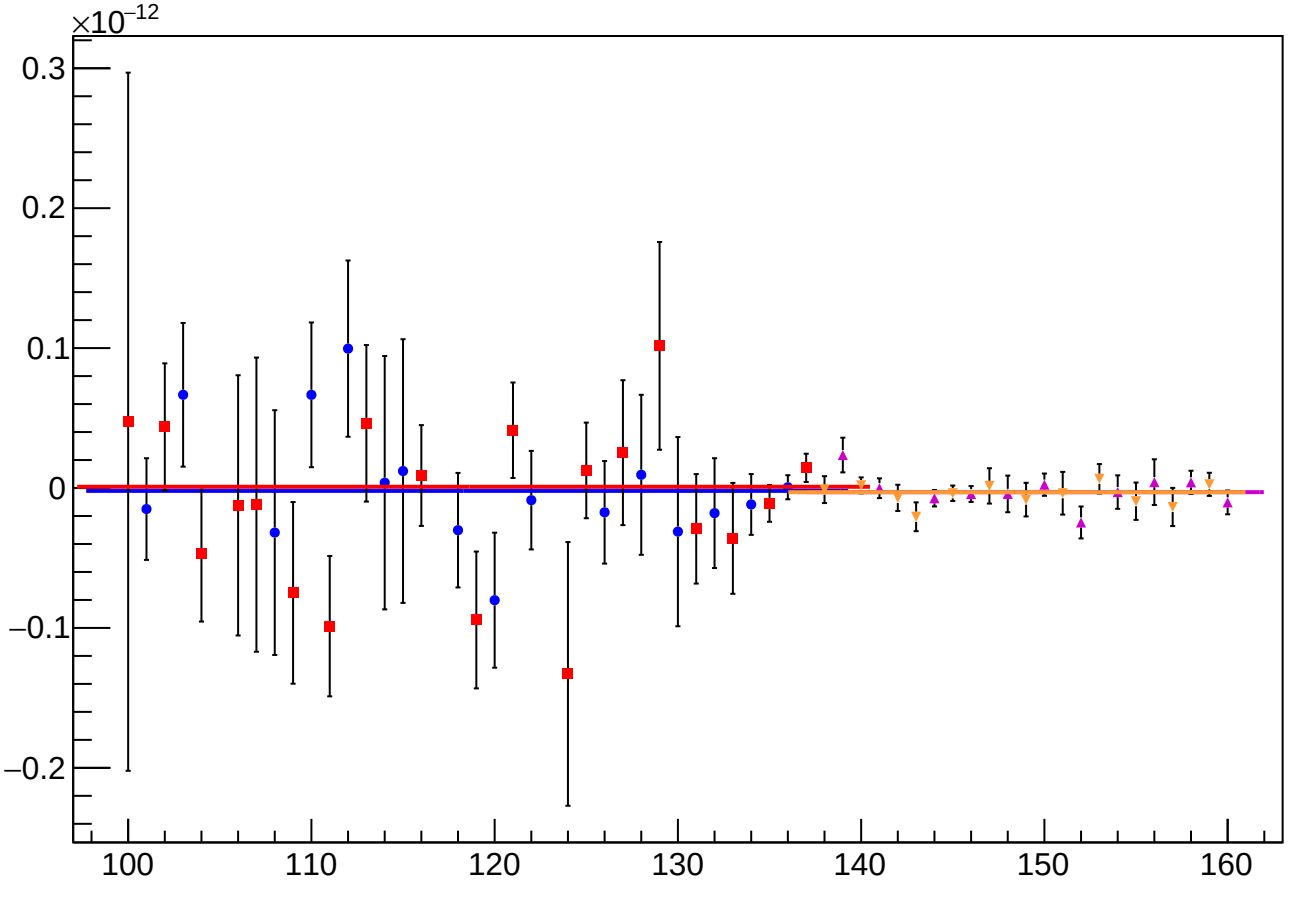
Left: 31.694+/-0.005 χ^2/NDF: 1042313.0/22

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.971+/-0.006 χ^2/NDF:2163760.0/26

Out: 30.777+/-0.006 χ^2/NDF:2473170.8/30

All: 30.873+/-0.004 χ^2/NDF: 4637530.2/57



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:11.1/10

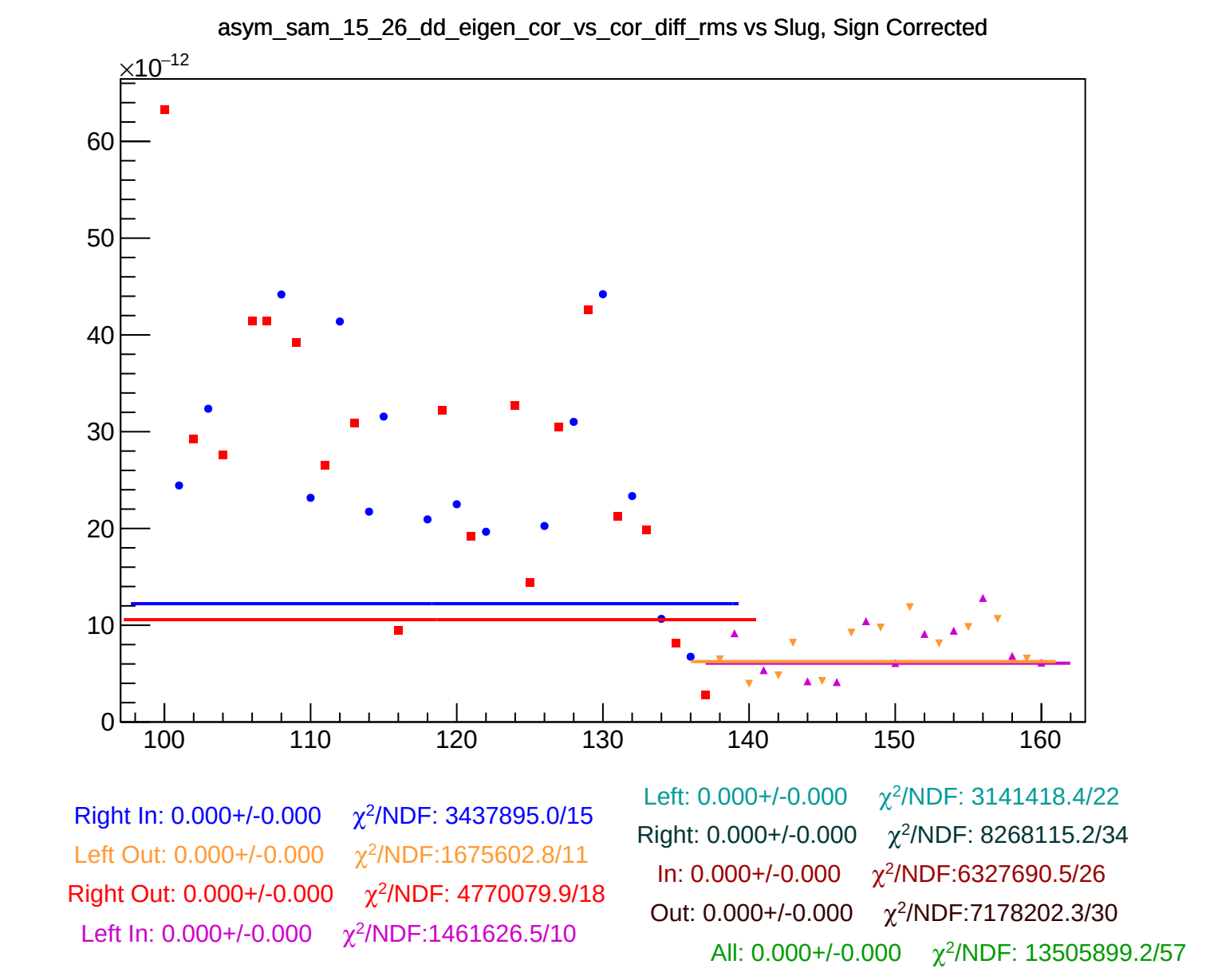
Left: -0.000+/-0.000 χ^2/NDF: 17.4/22

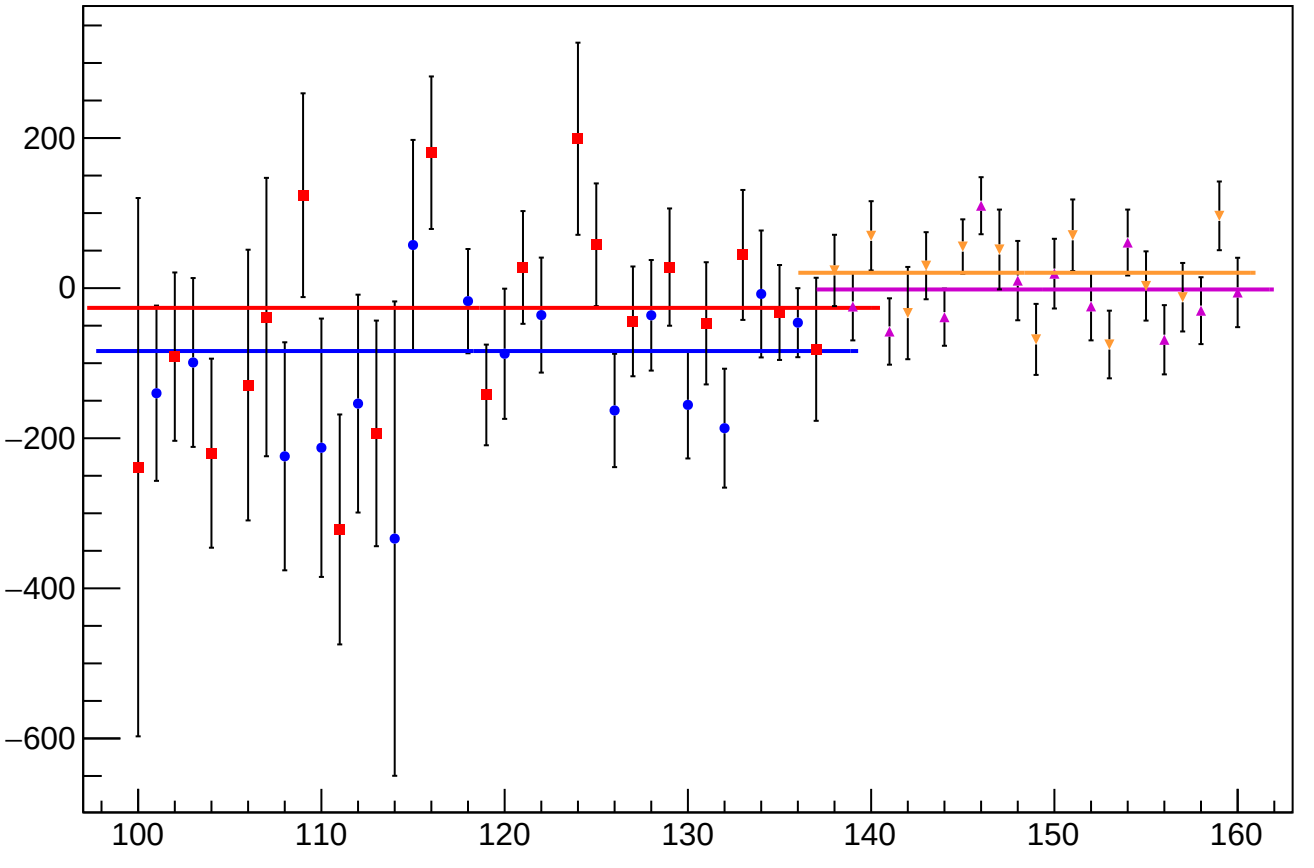
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:21.5/26

Out: -0.000+/-0.000 χ^2/NDF:28.0/30

All: -0.000+/-0.000 χ^2/NDF: 49.5/57


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1675602.8/11
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1461626.5/10
Left: 0.000+/-0.000 χ²/NDF: 3141418.4/22
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:6327690.5/26
Out: 0.000+/-0.000 χ²/NDF:7178202.3/30
All: 0.000+/-0.000 χ²/NDF: 13505899.2/57



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: -1.766+/-13.303 χ^2/NDF:16.5/10

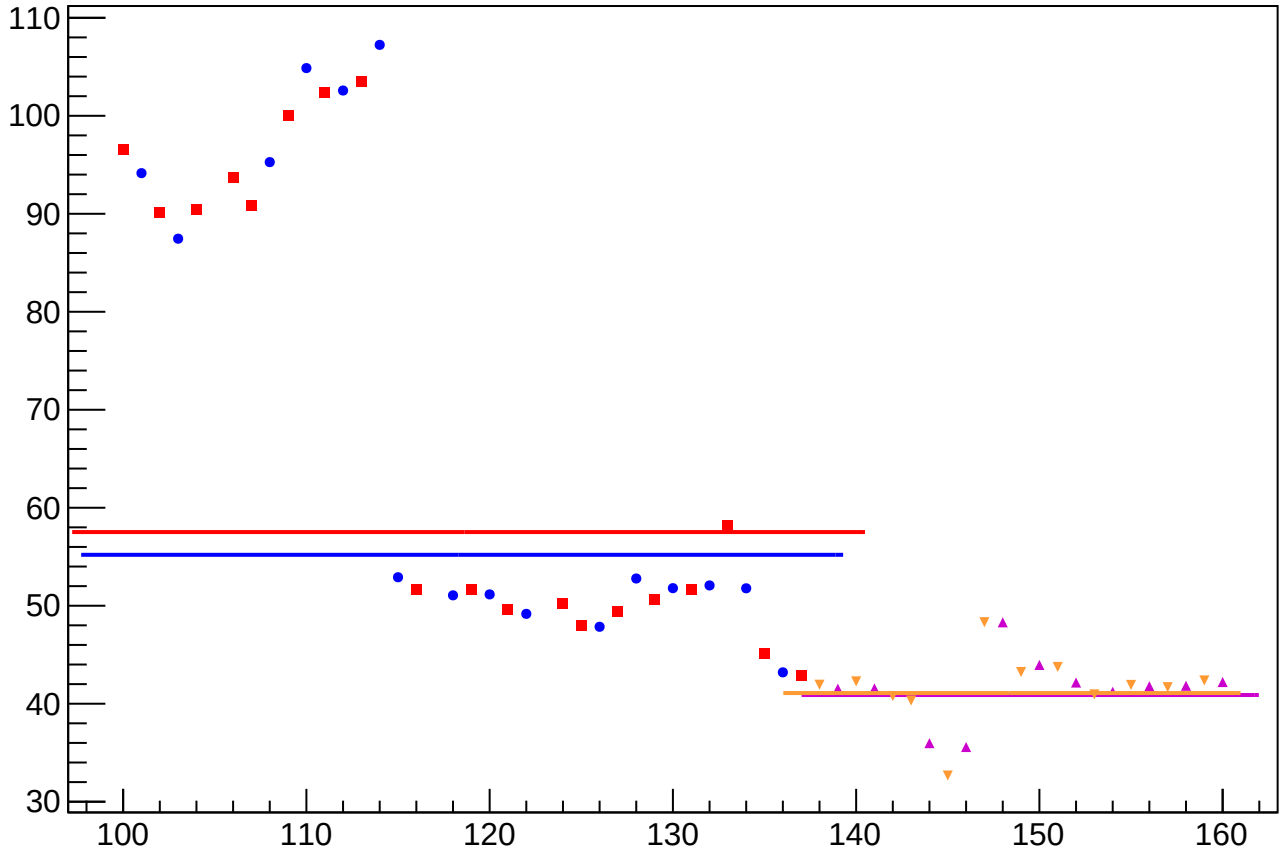
Left: 9.301+/-9.430 χ^2/NDF: 33.6/22

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -24.579+/-11.303 χ^2/NDF:37.6/26

Out: 7.918+/-11.435 χ^2/NDF:42.0/30

All: -8.519+/-8.038 χ^2/NDF: 83.7/57



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: 40.888+/-0.009 χ^2/NDF:126201.7/10

Left: 40.988+/-0.007 χ^2/NDF: 286376.8/22

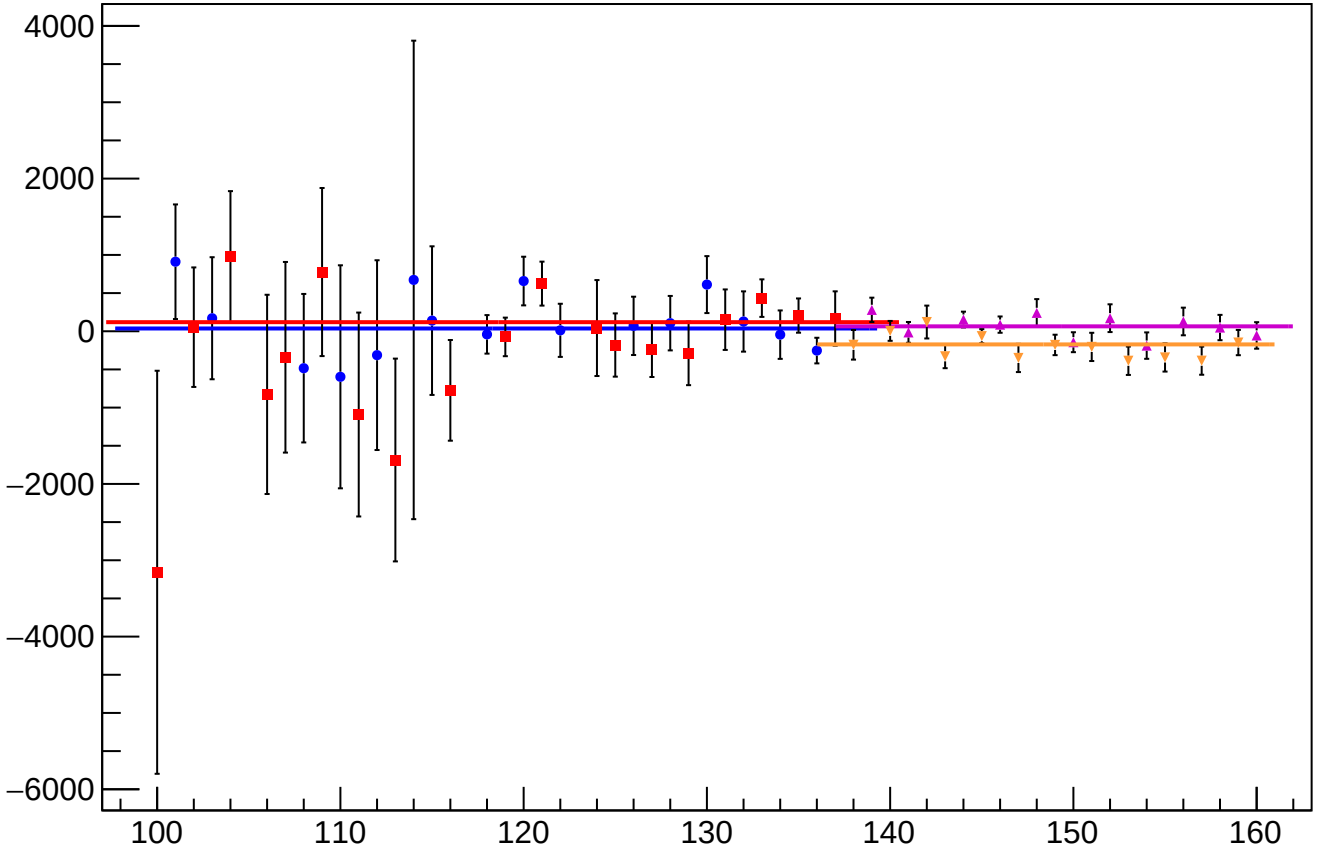
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.867+/-0.008 χ^2/NDF:1922316.7/26

Out: 45.501+/-0.008 χ^2/NDF:2252750.0/30

All: 45.180+/-0.006 χ^2/NDF: 4178175.6/57

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



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: 64.348+/-43.551 χ^2/NDF:9.5/10

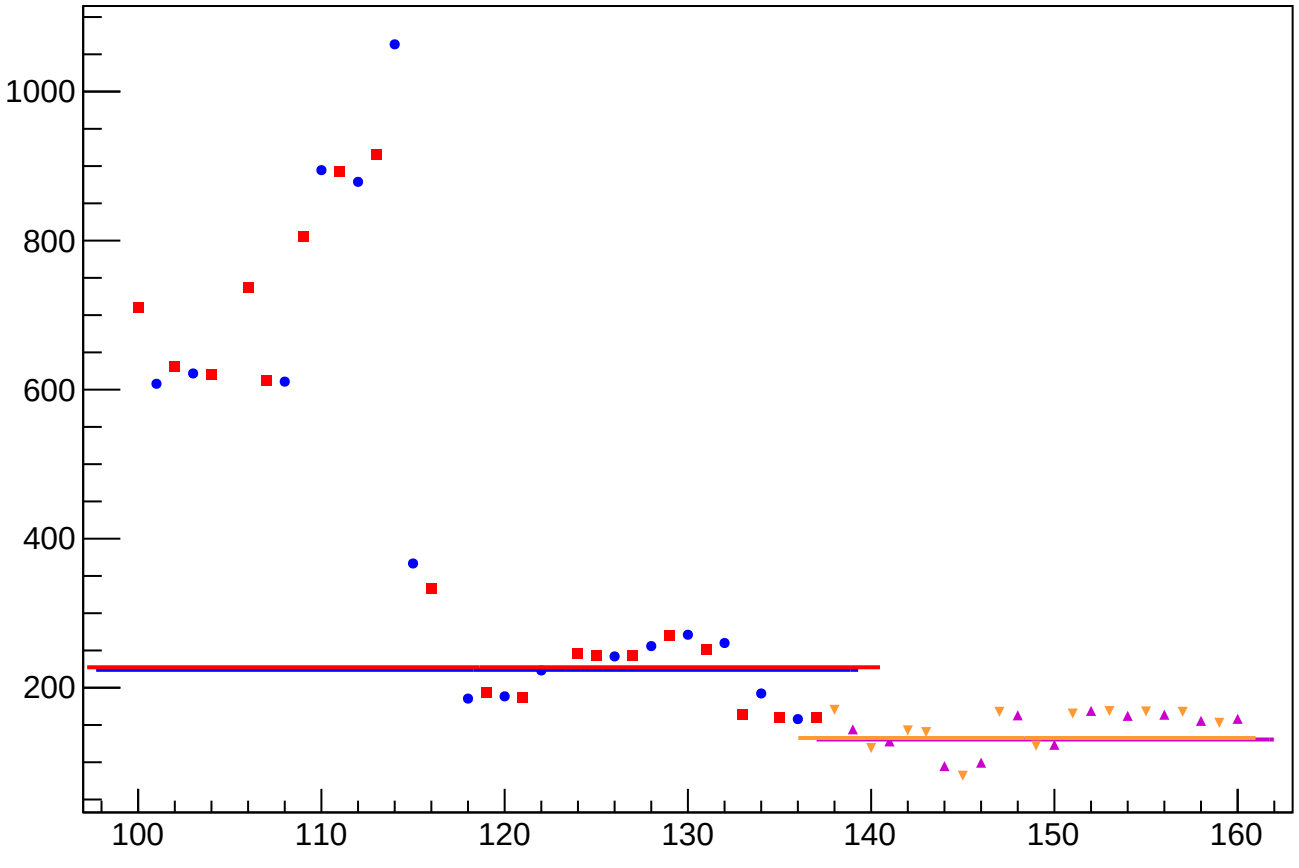
Left: -51.519+/-31.111 χ^2/NDF: 34.6/22

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 59.358+/-39.483 χ^2/NDF:21.0/26

Out: -120.648+/-40.329 χ^2/NDF:34.2/30

All: -28.738+/-28.213 χ^2/NDF: 65.4/57



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: 130.533+/-0.031 χ^2/NDF:813984.4/10

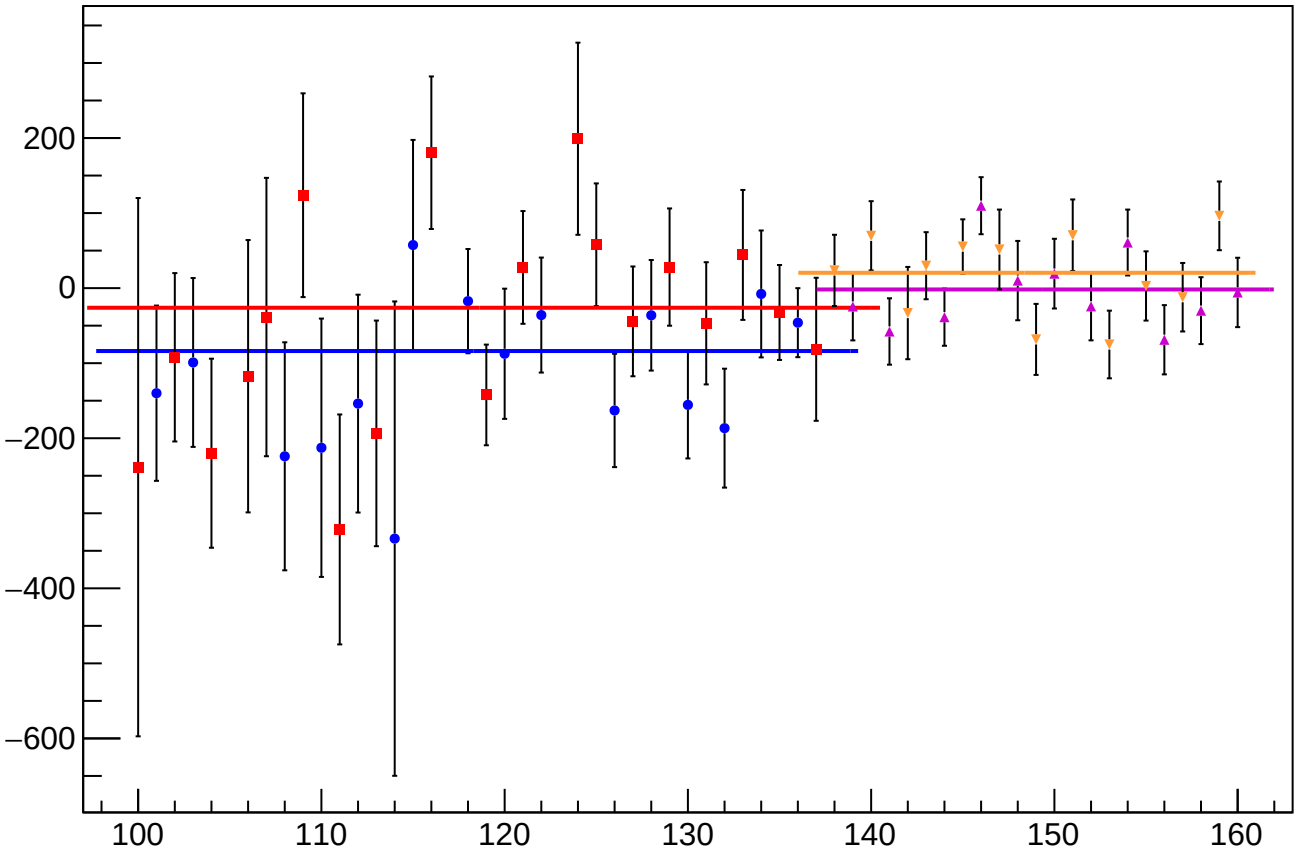
Left: 131.510+/-0.022 χ^2/NDF: 1933792.4/22

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 147.186+/-0.028 χ^2/NDF:5423957.4/26

Out: 149.339+/-0.029 χ^2/NDF:6373051.5/30

All: 148.239+/-0.020 χ^2/NDF: 11799919.3/57



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: -1.765+/-13.303 χ^2/NDF:16.5/10

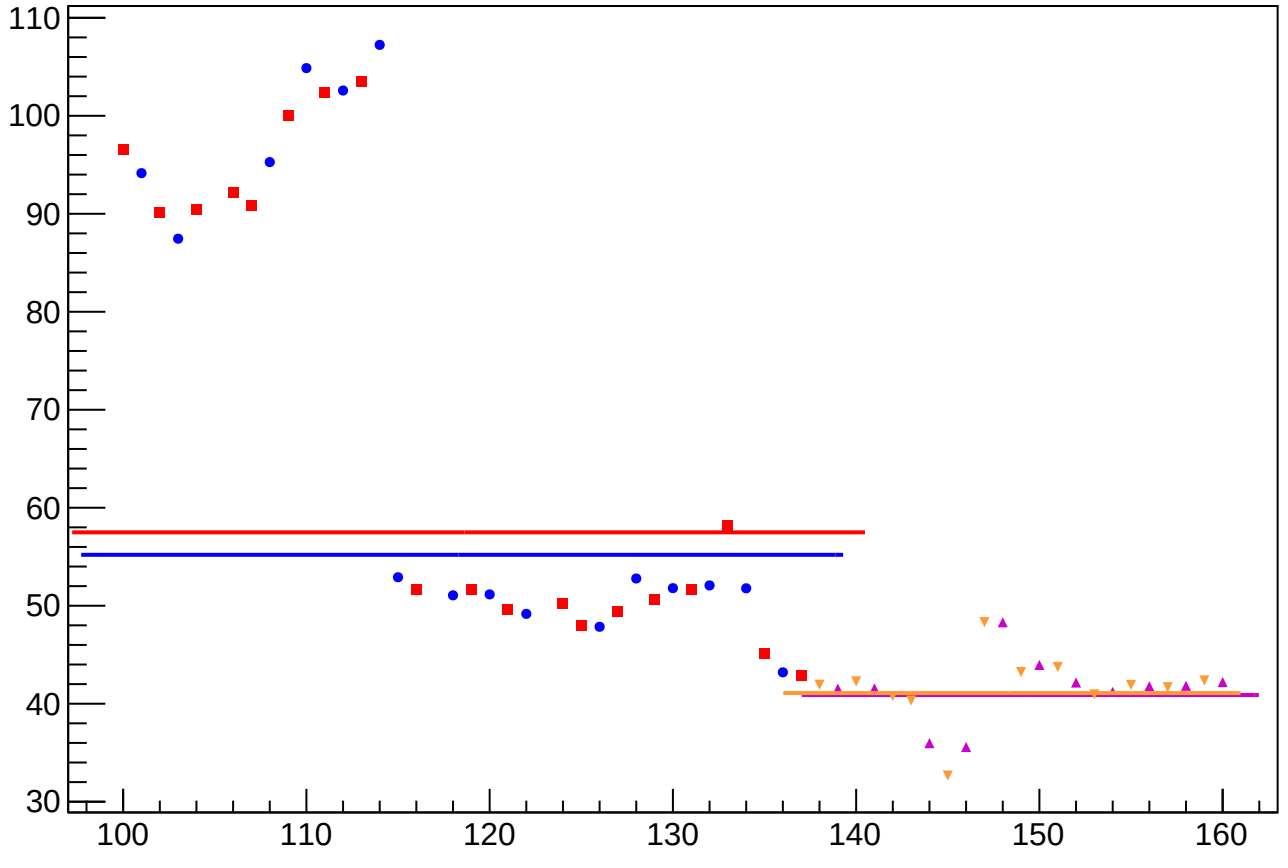
Left: 9.301+/-9.430 χ^2/NDF: 33.6/22

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -24.577+/-11.303 χ^2/NDF:37.6/26

Out: 7.962+/-11.435 χ^2/NDF:41.9/30

All: -8.497+/-8.039 χ^2/NDF: 83.6/57



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: 40.888+/-0.009 χ^2/NDF:126201.7/10

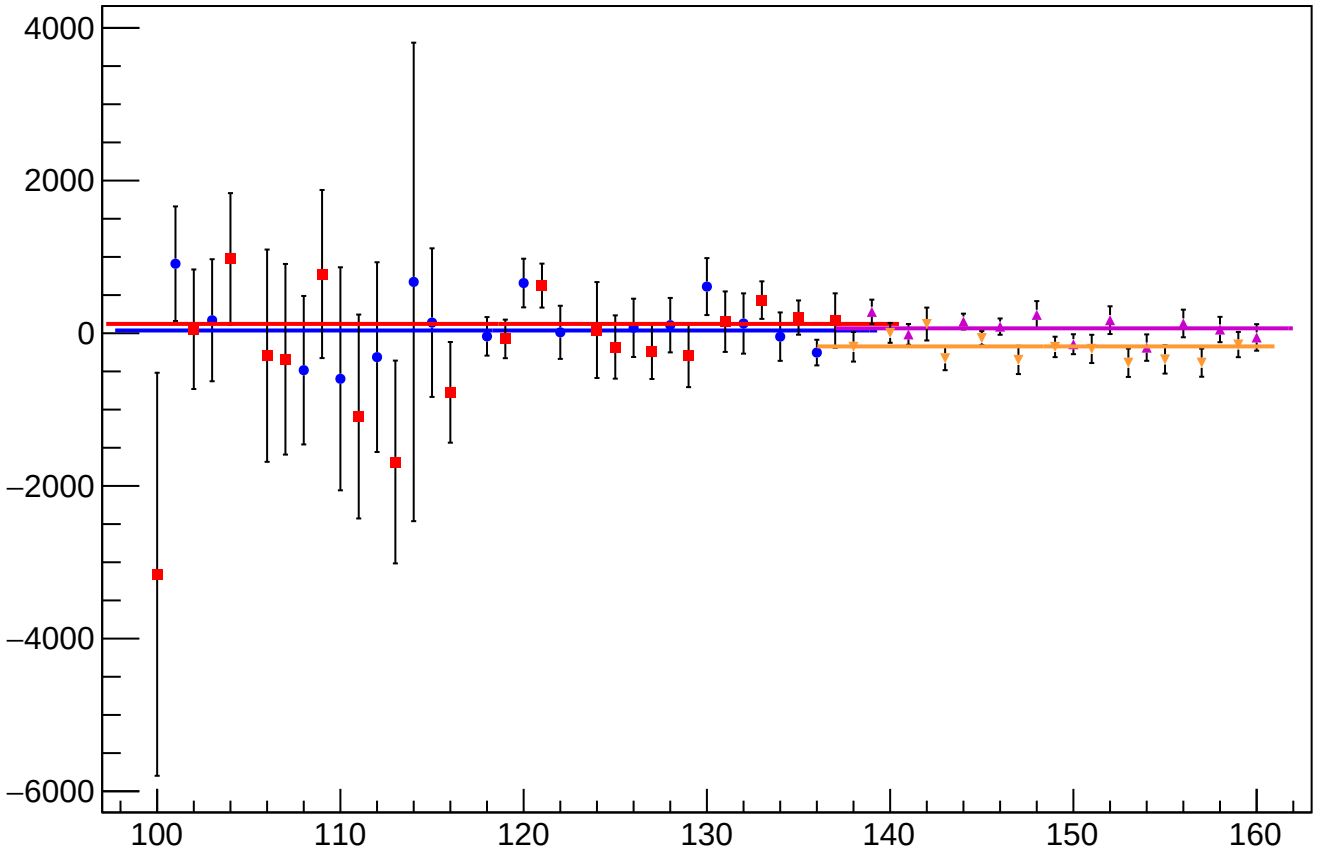
Left: 40.988+/-0.007 χ^2/NDF: 286376.8/22

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.867+/-0.008 χ^2/NDF:1922317.0/26

Out: 45.492+/-0.008 χ^2/NDF:2242383.0/30

All: 45.176+/-0.006 χ^2/NDF: 4167727.1/57



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: 64.348+/-43.551 χ^2/NDF:9.5/10

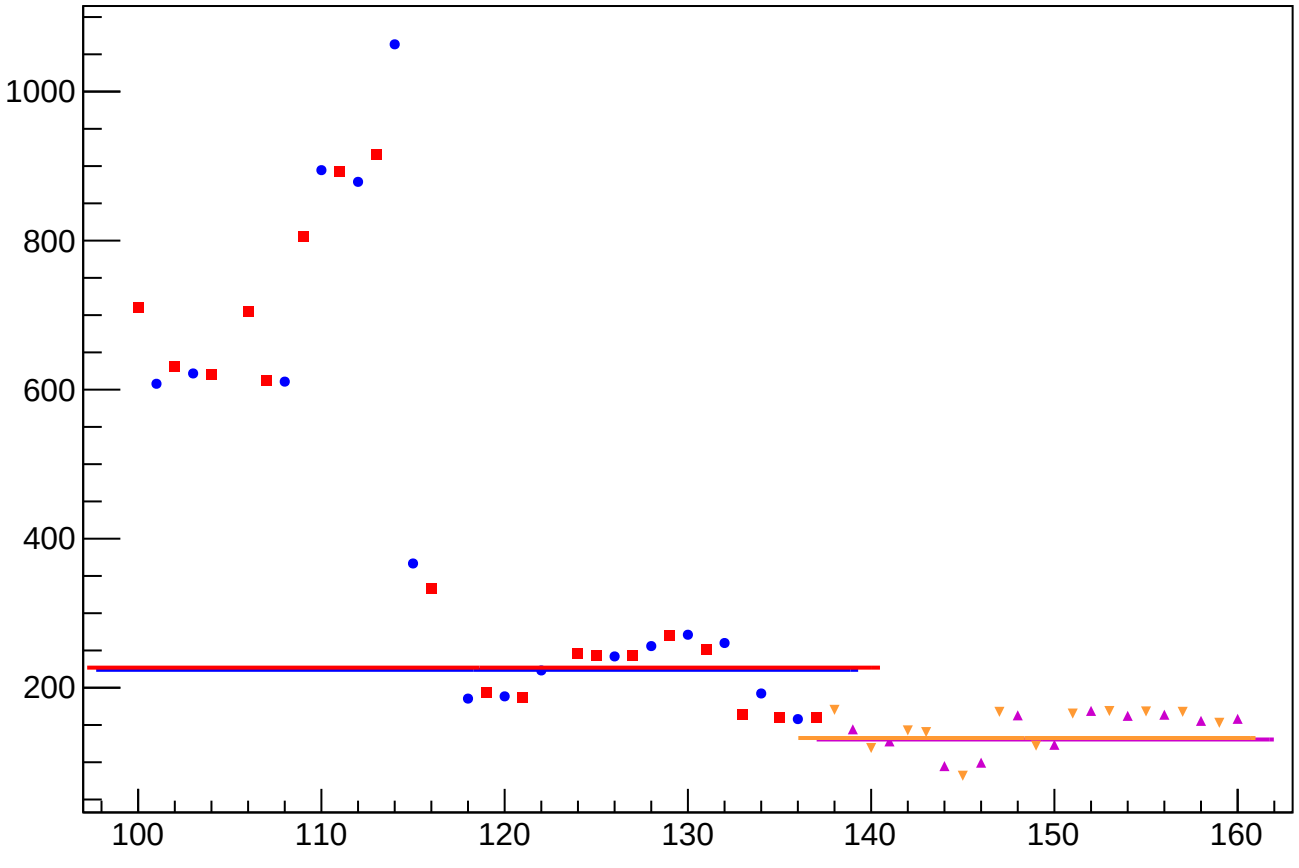
Left: -51.521+/-31.111 χ^2/NDF: 34.6/22

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.358+/-39.483 χ^2/NDF:21.0/26

Out: -120.125+/-40.331 χ^2/NDF:34.0/30

All: -28.477+/-28.214 χ^2/NDF: 65.1/57



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: 130.533+/-0.031 χ^2/NDF:813985.5/10

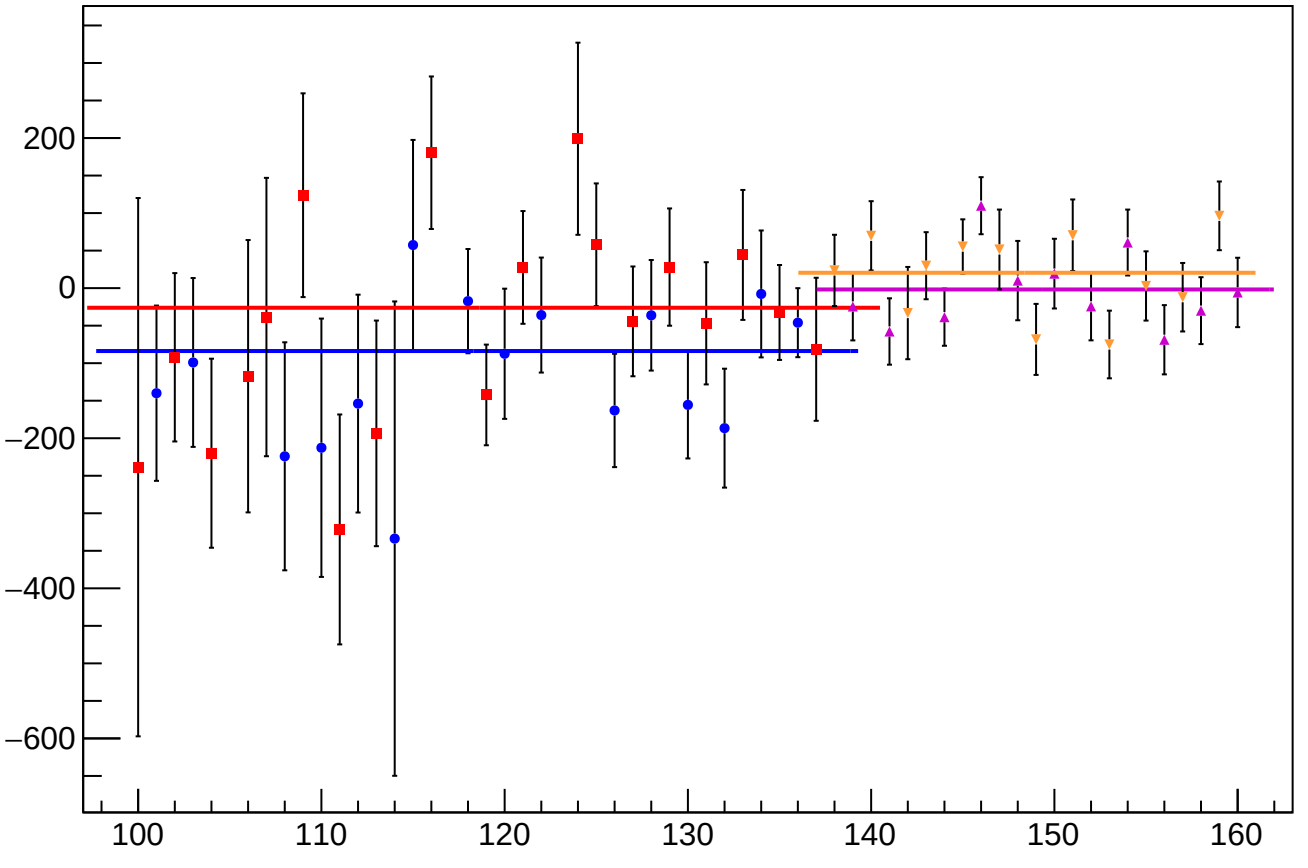
Left: 131.510+/-0.022 χ^2/NDF: 1933798.6/22

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.185+/-0.028 χ^2/NDF:5423971.6/26

Out: 149.245+/-0.029 χ^2/NDF:6287225.9/30

All: 148.193+/-0.020 χ^2/NDF: 11713859.6/57



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: -1.765+/-13.303 χ^2/NDF:16.5/10

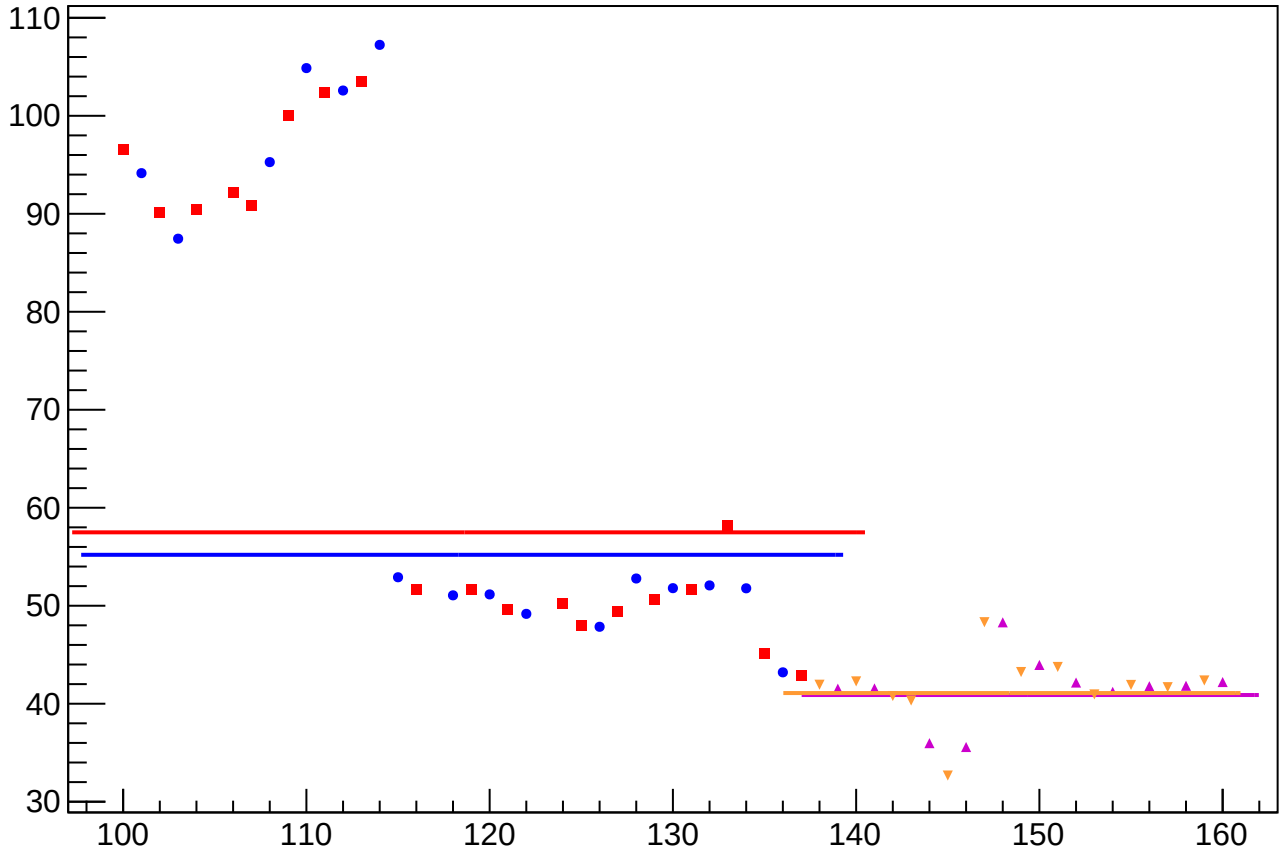
Left: 9.301+/-9.430 χ^2/NDF: 33.6/22

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -24.577+/-11.303 χ^2/NDF:37.6/26

Out: 7.962+/-11.435 χ^2/NDF:41.9/30

All: -8.497+/-8.039 χ^2/NDF: 83.6/57



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: 40.888+/-0.009 χ^2/NDF:126201.7/10

Left: 40.988+/-0.007 χ^2/NDF: 286376.8/22

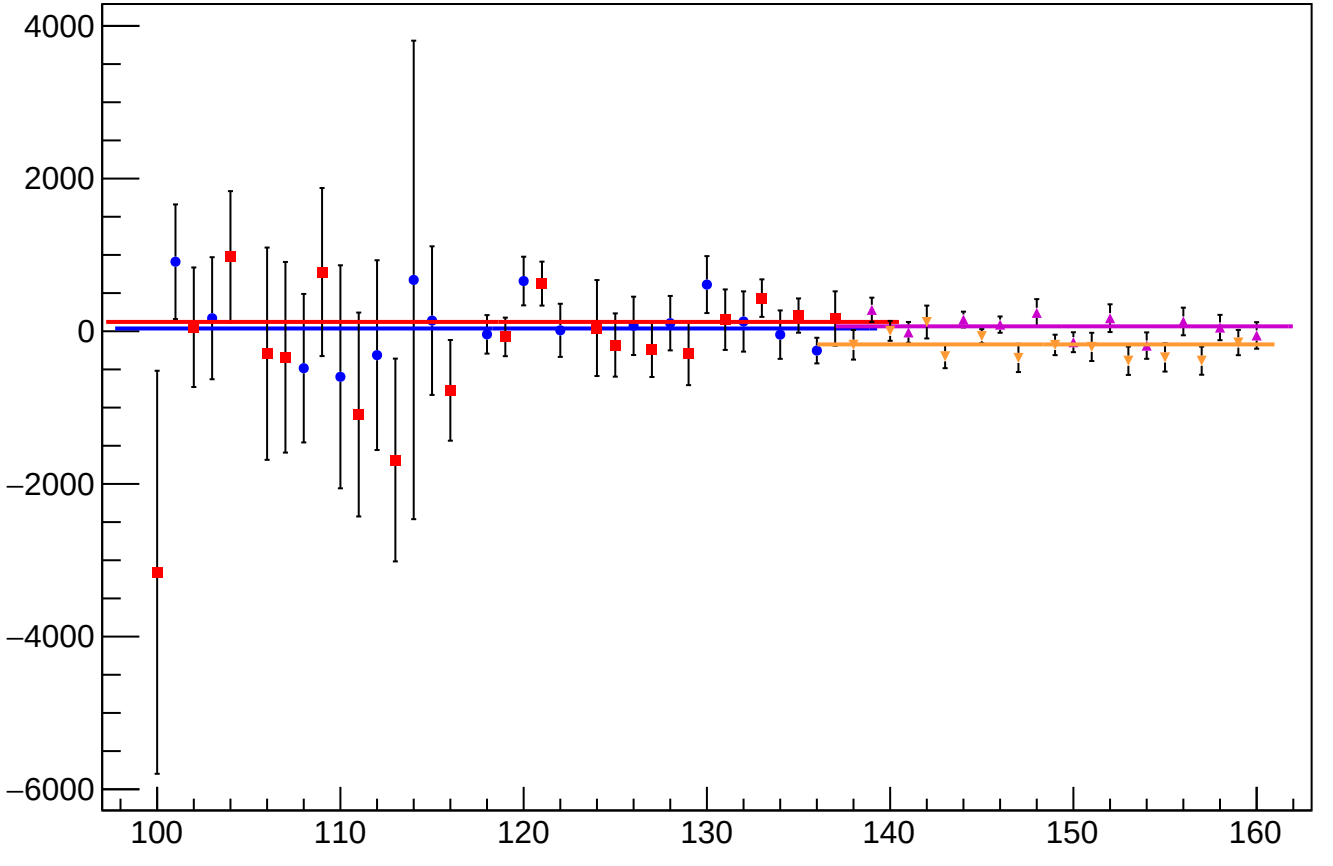
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.867+/-0.008 χ^2/NDF:1922317.0/26

Out: 45.492+/-0.008 χ^2/NDF:2242383.0/30

All: 45.176+/-0.006 χ^2/NDF: 4167727.1/57

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 64.348+/-43.551 χ^2/NDF:9.5/10

Left: -51.521+/-31.111 χ^2/NDF: 34.6/22

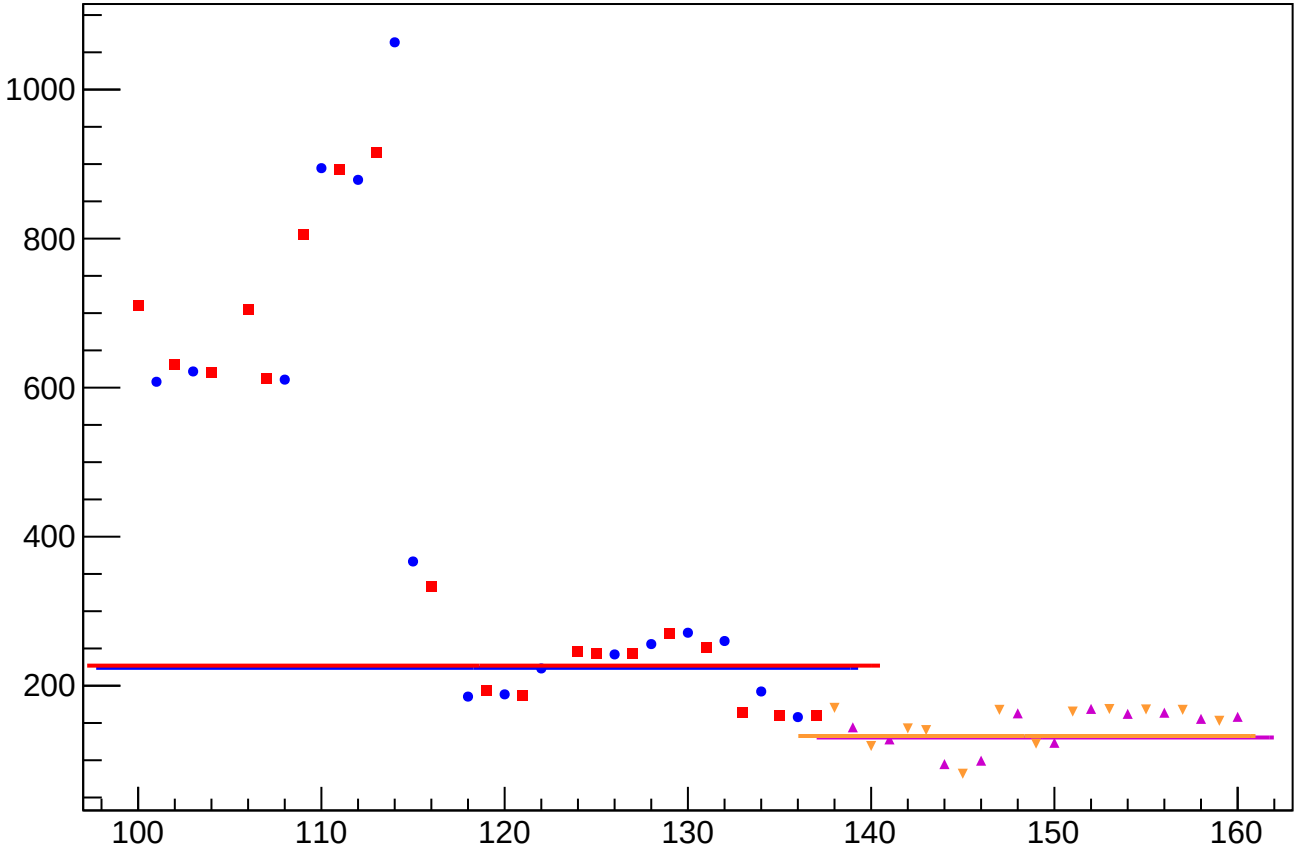
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.358+/-39.483 χ^2/NDF:21.0/26

Out: -120.125+/-40.331 χ^2/NDF:34.0/30

All: -28.477+/-28.214 χ^2/NDF: 65.1/57

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: 130.533+/-0.031 χ^2/NDF:813985.5/10

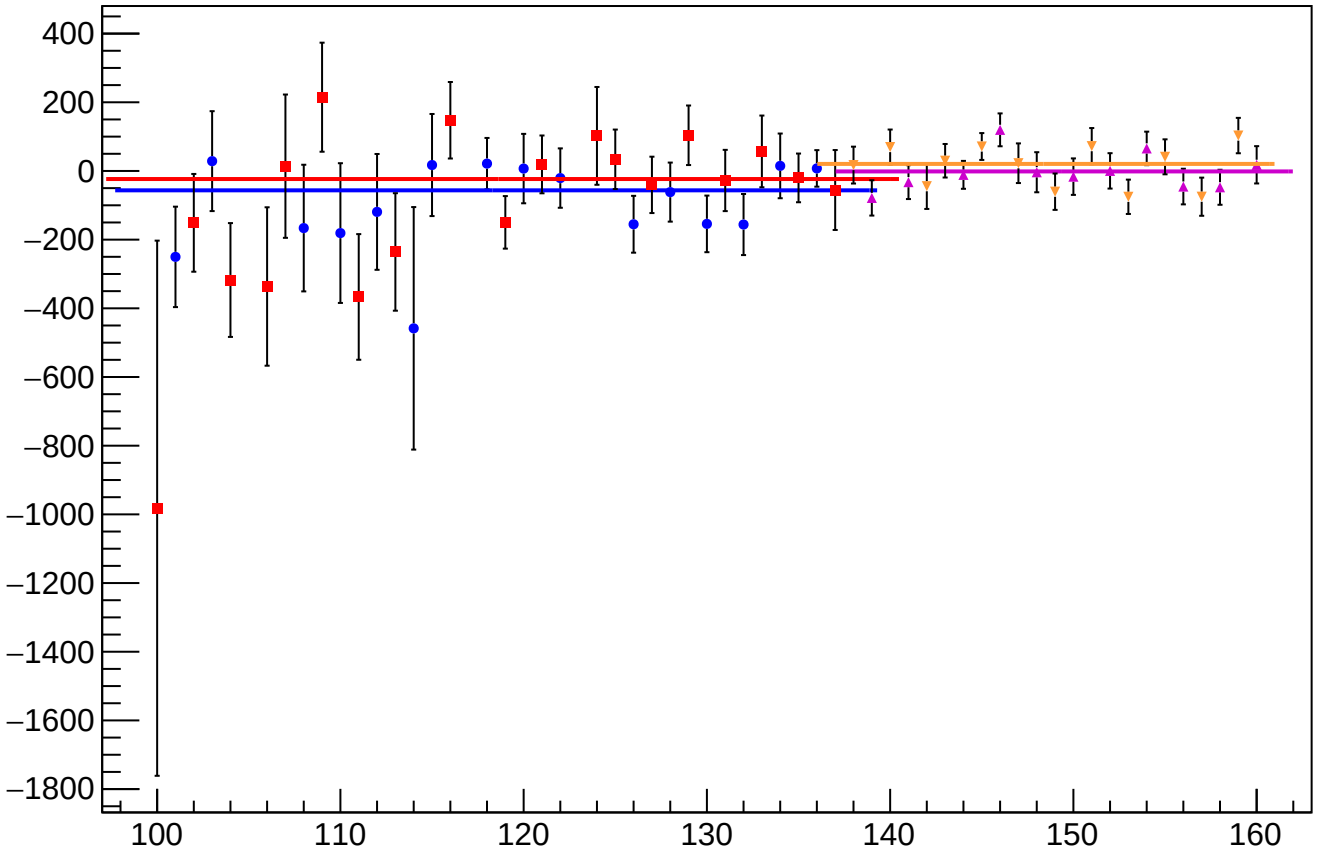
Left: 131.510+/-0.022 χ^2/NDF: 1933798.6/22

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.185+/-0.028 χ^2/NDF:5423971.6/26

Out: 149.245+/-0.029 χ^2/NDF:6287225.9/30

All: 148.193+/-0.020 χ^2/NDF: 11713859.6/57



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: -1.365+/-15.125 χ^2/NDF:12.7/10

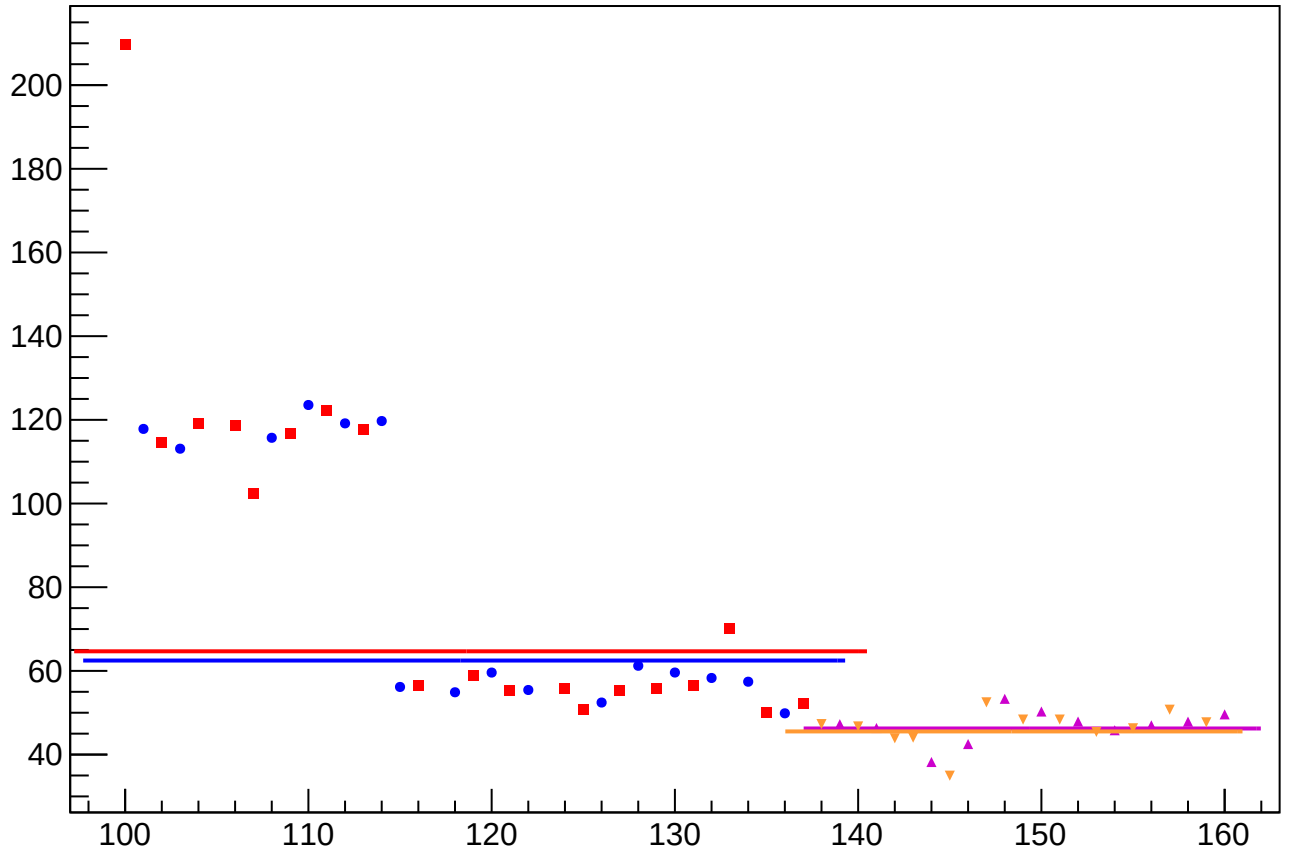
Left: 9.778+/-10.596 χ^2/NDF: 30.1/22

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -16.566+/-12.869 χ^2/NDF:28.7/26

Out: 9.149+/-12.787 χ^2/NDF:42.6/30

All: -3.627+/-9.070 χ^2/NDF: 73.3/57



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: 46.234+/-0.011 χ^2/NDF:144231.7/10

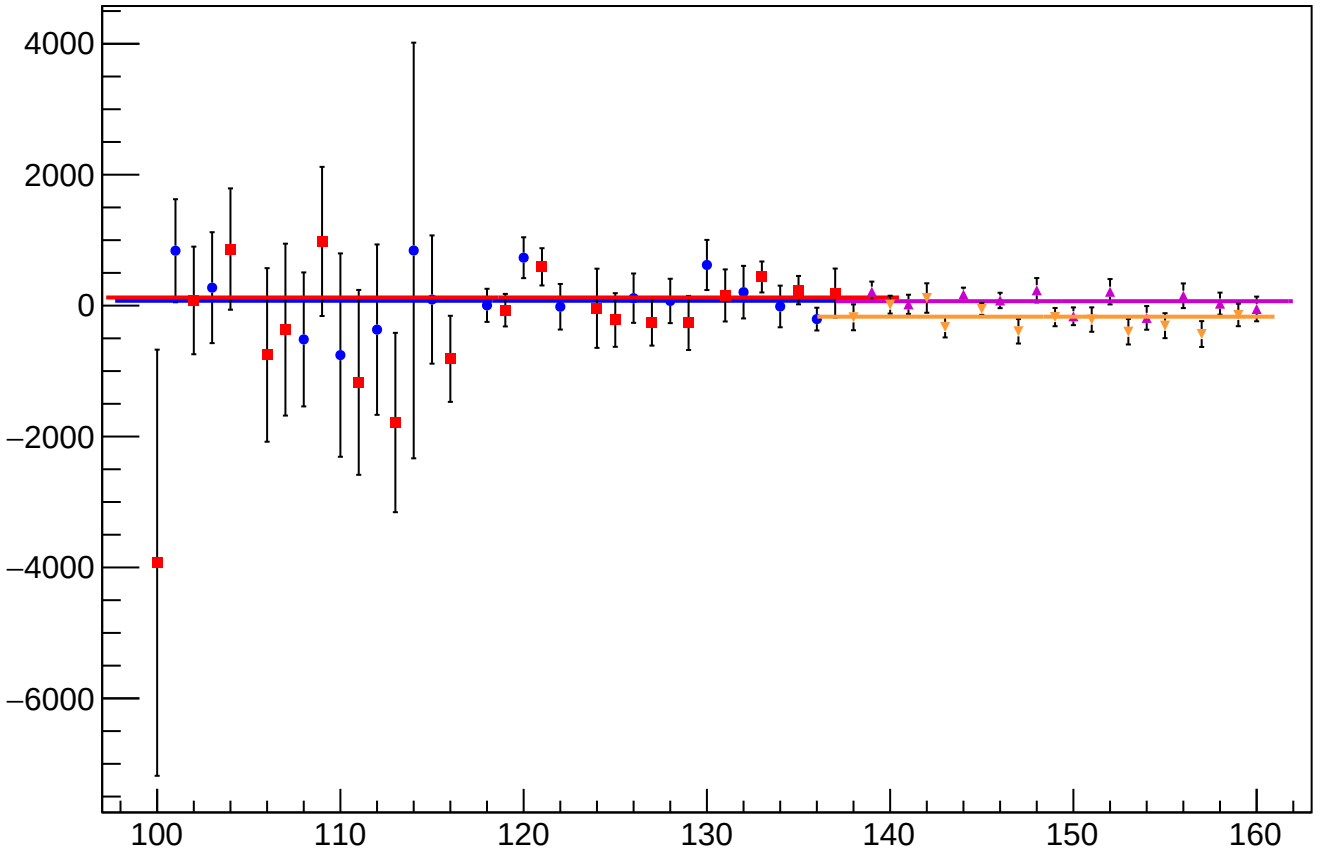
Left: 45.876+/-0.007 χ^2/NDF: 361150.0/22

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.719+/-0.009 χ^2/NDF:2129145.3/26

Out: 50.478+/-0.009 χ^2/NDF:2664383.4/30

All: 50.597+/-0.006 χ^2/NDF: 4793881.9/57



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: 67.632+/-45.432 χ^2/NDF:8.8/10

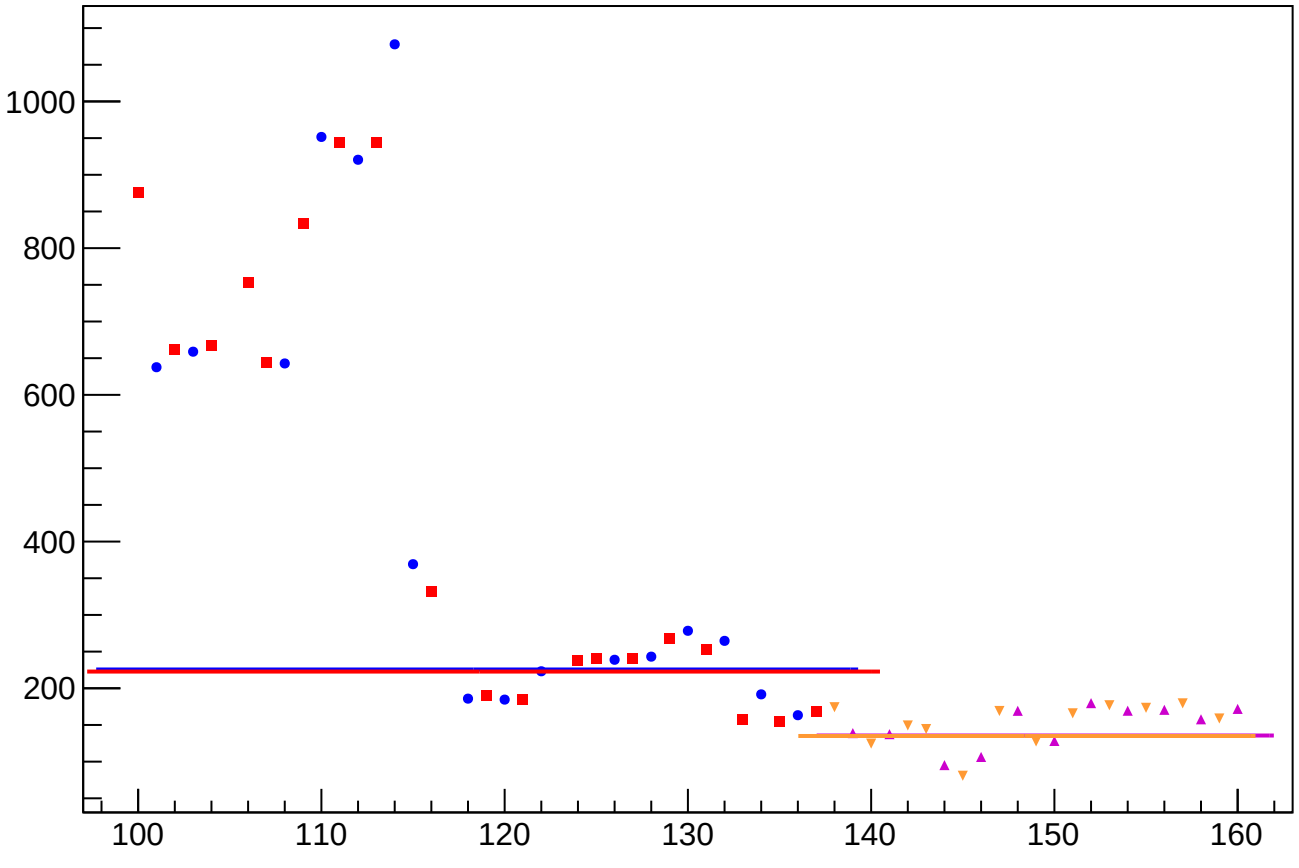
Left: -50.601+/-32.136 χ^2/NDF: 33.7/22

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 68.883+/-40.945 χ^2/NDF:20.0/26

Out: -114.044+/-40.982 χ^2/NDF:35.5/30

All: -22.500+/-28.966 χ^2/NDF: 65.5/57



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: 135.616+/-0.032 χ^2/NDF:844720.6/10

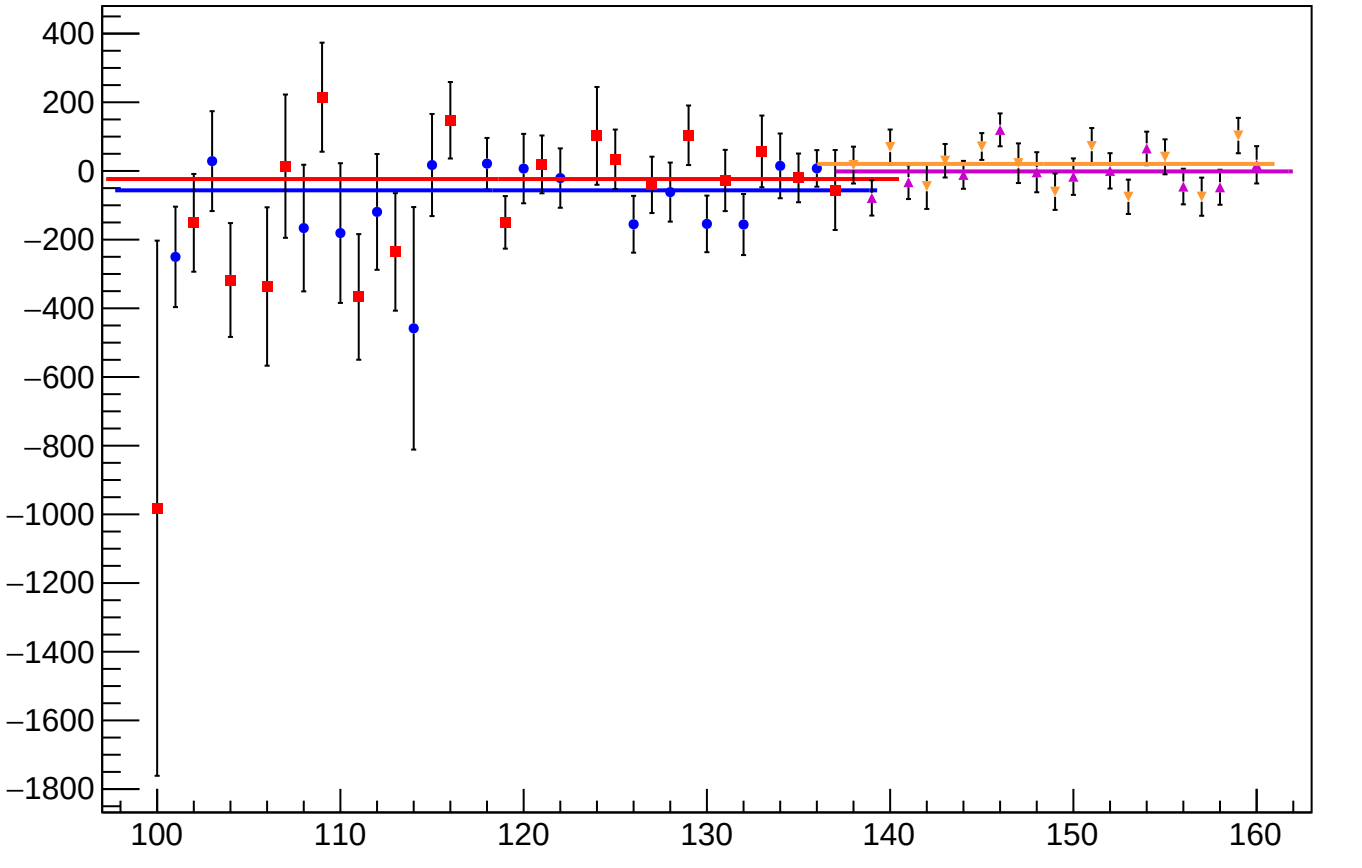
Left: 135.296+/-0.023 χ^2/NDF: 2116315.0/22

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 152.515+/-0.029 χ^2/NDF:5344351.0/26

Out: 151.432+/-0.029 χ^2/NDF:6517877.8/30

All: 151.974+/-0.020 χ^2/NDF: 11862926.7/57



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: -1.364+/-15.125 χ^2/NDF:12.7/10

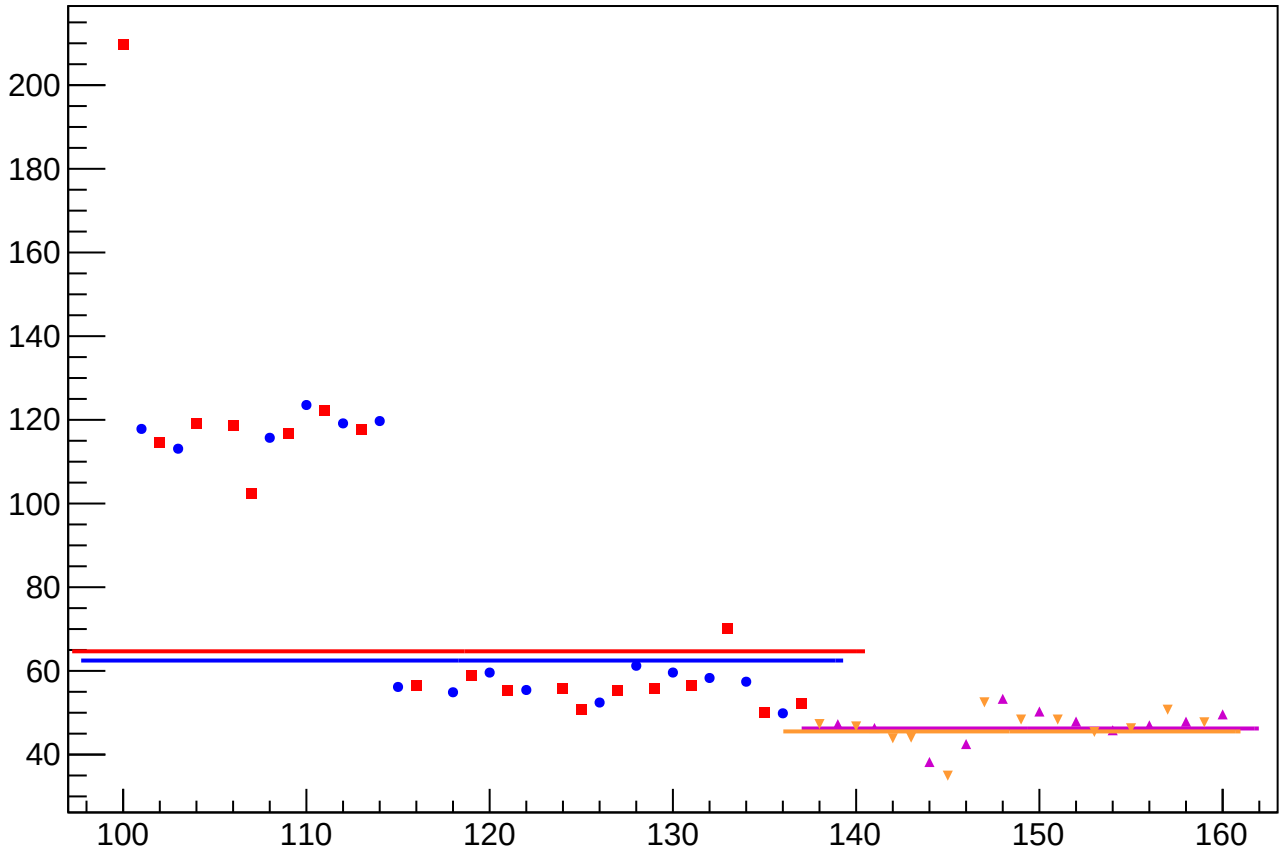
Left: 9.779+/-10.596 χ^2/NDF: 30.1/22

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -16.566+/-12.869 χ^2/NDF:28.7/26

Out: 9.148+/-12.787 χ^2/NDF:42.6/30

All: -3.627+/-9.070 χ^2/NDF: 73.3/57



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: 46.234+/-0.011 χ^2/NDF:144232.9/10

Left: 45.877+/-0.007 χ^2/NDF: 361156.3/22

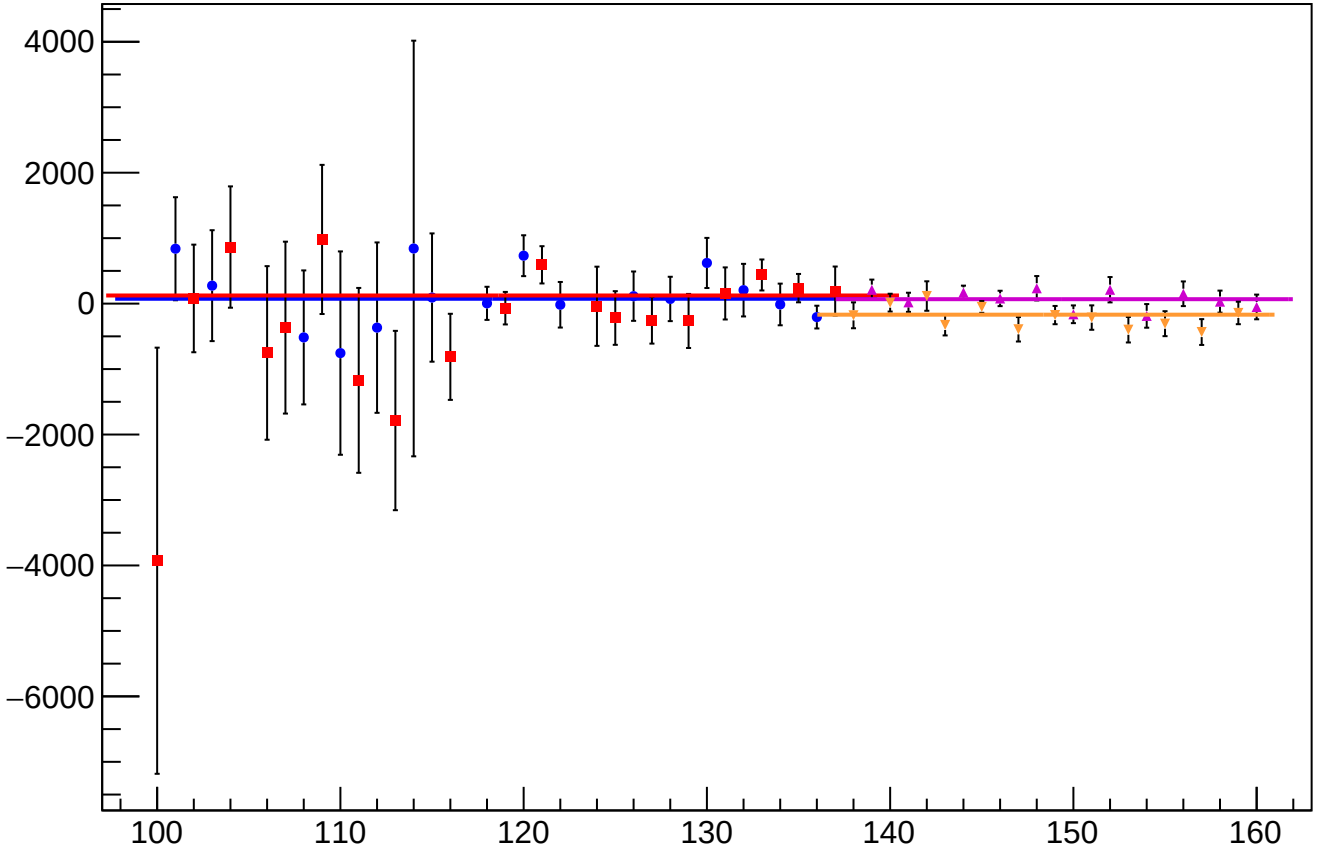
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 50.719+/-0.009 χ^2/NDF:2129085.7/26

Out: 50.478+/-0.009 χ^2/NDF:2664338.5/30

All: 50.597+/-0.006 χ^2/NDF: 4793777.3/57

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: 67.632+/-45.432 χ^2/NDF:8.8/10

Left: -50.601+/-32.136 χ^2/NDF: 33.7/22

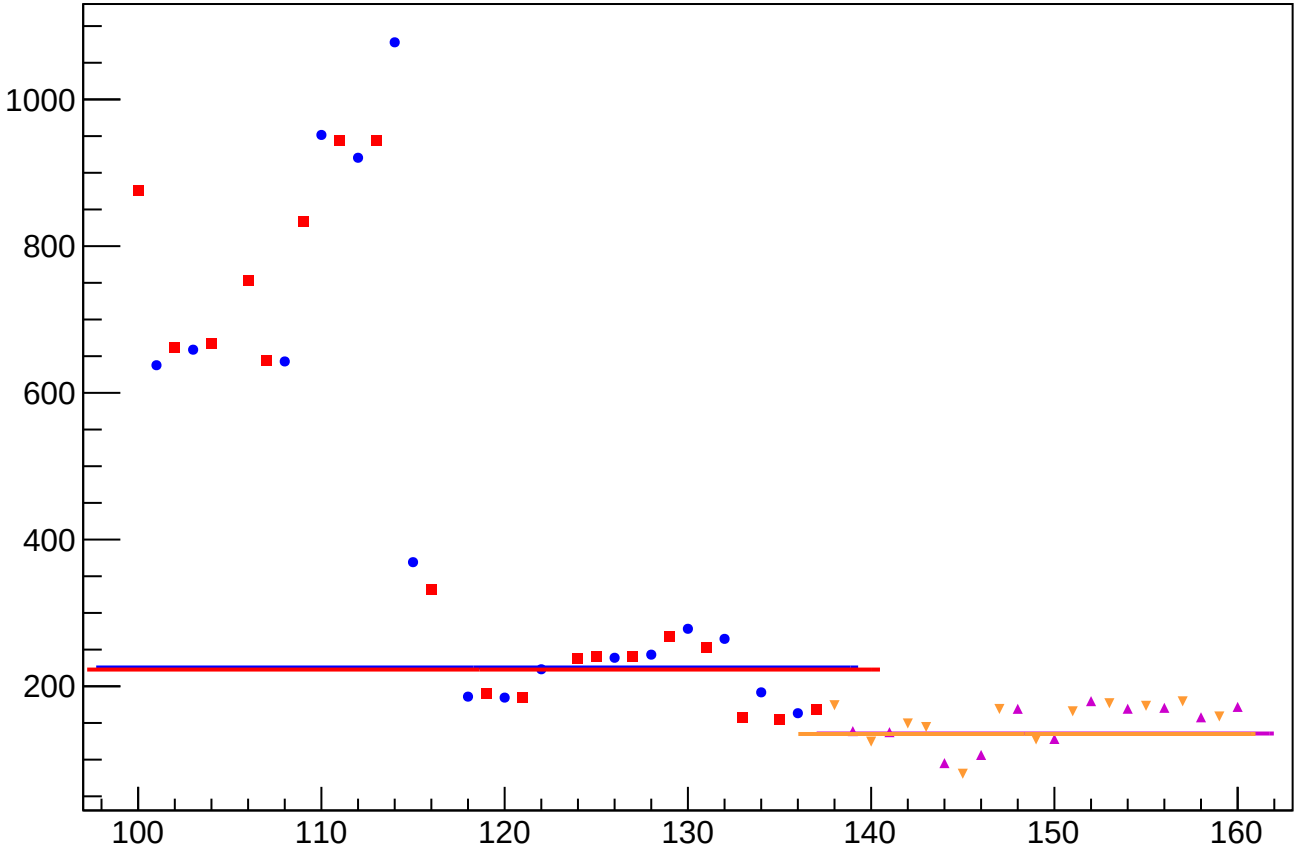
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 68.883+/-40.945 χ^2/NDF:20.0/26

Out: -114.044+/-40.982 χ^2/NDF:35.5/30

All: -22.500+/-28.966 χ^2/NDF: 65.5/57

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: 135.616+/-0.032 χ^2/NDF:844719.9/10

Left: 135.297+/-0.023 χ^2/NDF: 2116304.6/22

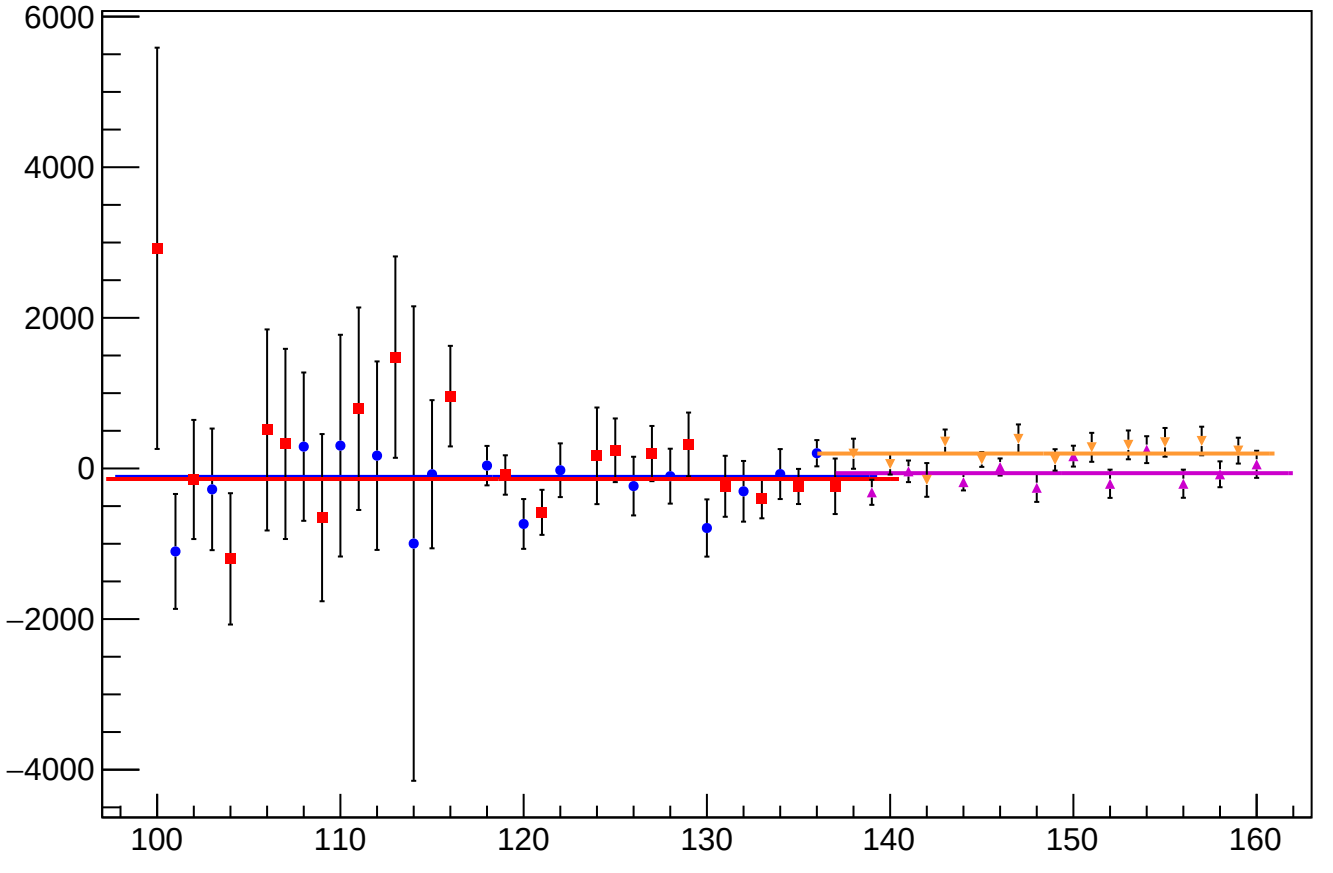
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 152.515+/-0.029 χ^2/NDF:5344329.1/26

Out: 151.433+/-0.029 χ^2/NDF:6517846.1/30

All: 151.974+/-0.020 χ^2/NDF: 11862872.9/57

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: -62.524+/-45.804 χ^2/NDF:12.3/10

Left: 65.123+/-32.711 χ^2/NDF: 36.6/22

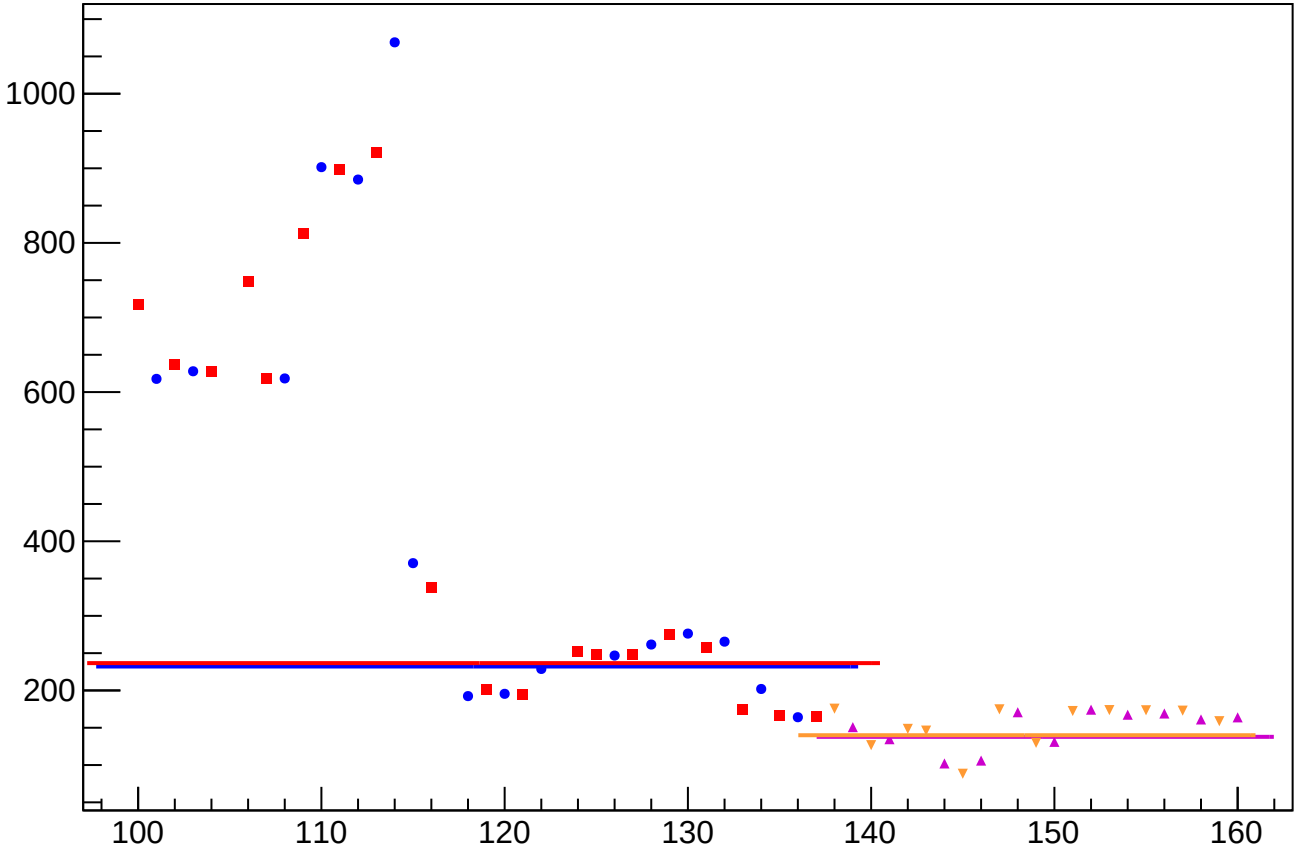
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -71.597+/-41.383 χ^2/NDF:25.4/26

Out: 136.590+/-42.274 χ^2/NDF:32.5/30

All: 30.279+/-29.572 χ^2/NDF: 70.3/57

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: 137.823+/-0.032 χ^2/NDF:708086.0/10

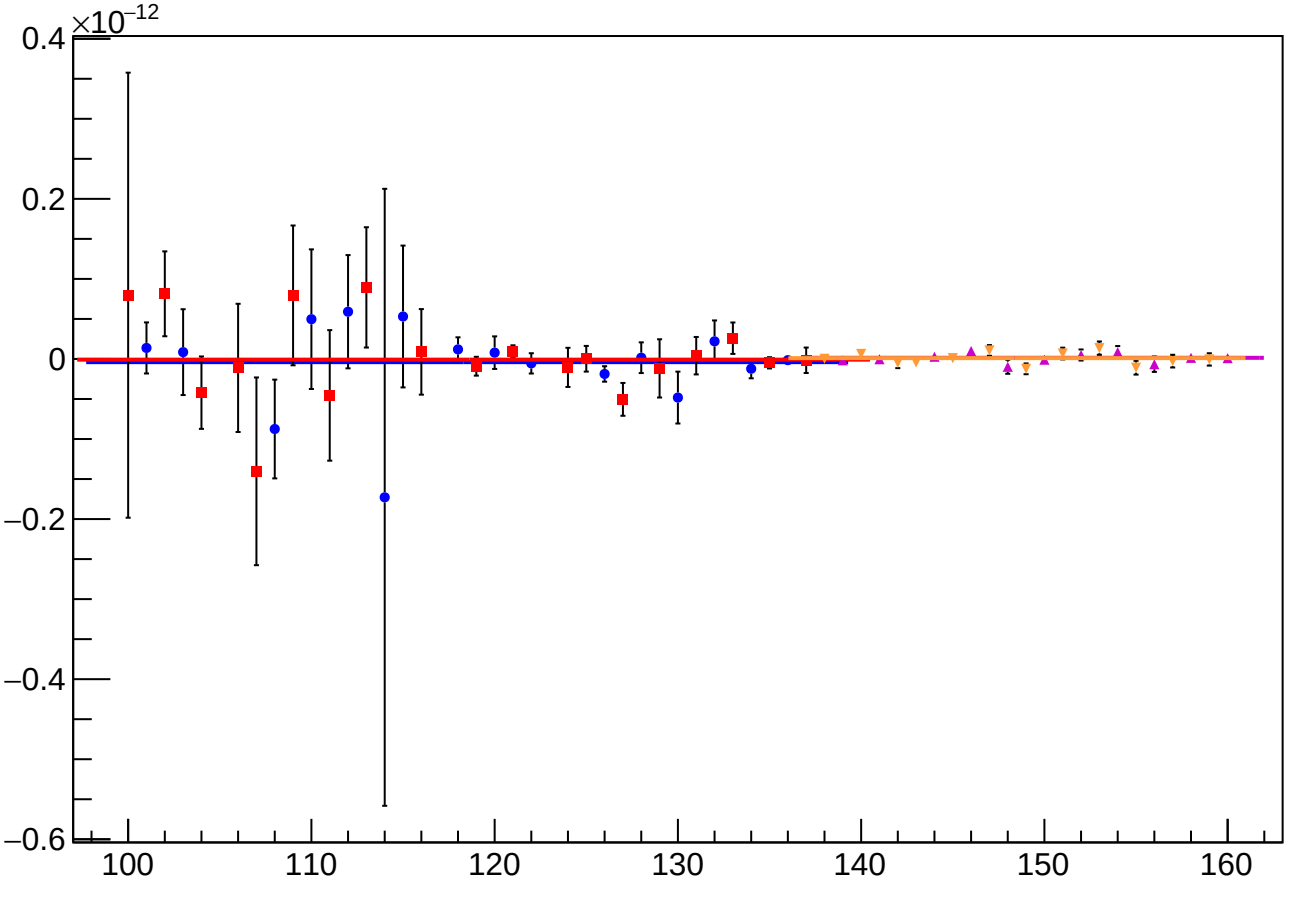
Left: 138.871+/-0.023 χ^2/NDF: 1685385.4/22

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 155.144+/-0.029 χ^2/NDF:5150425.0/26

Out: 157.530+/-0.030 χ^2/NDF:6051652.3/30

All: 156.311+/-0.021 χ^2/NDF: 11205332.4/57



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:6.4/10

Left: 0.000+/-0.000 χ^2/NDF: 21.7/22

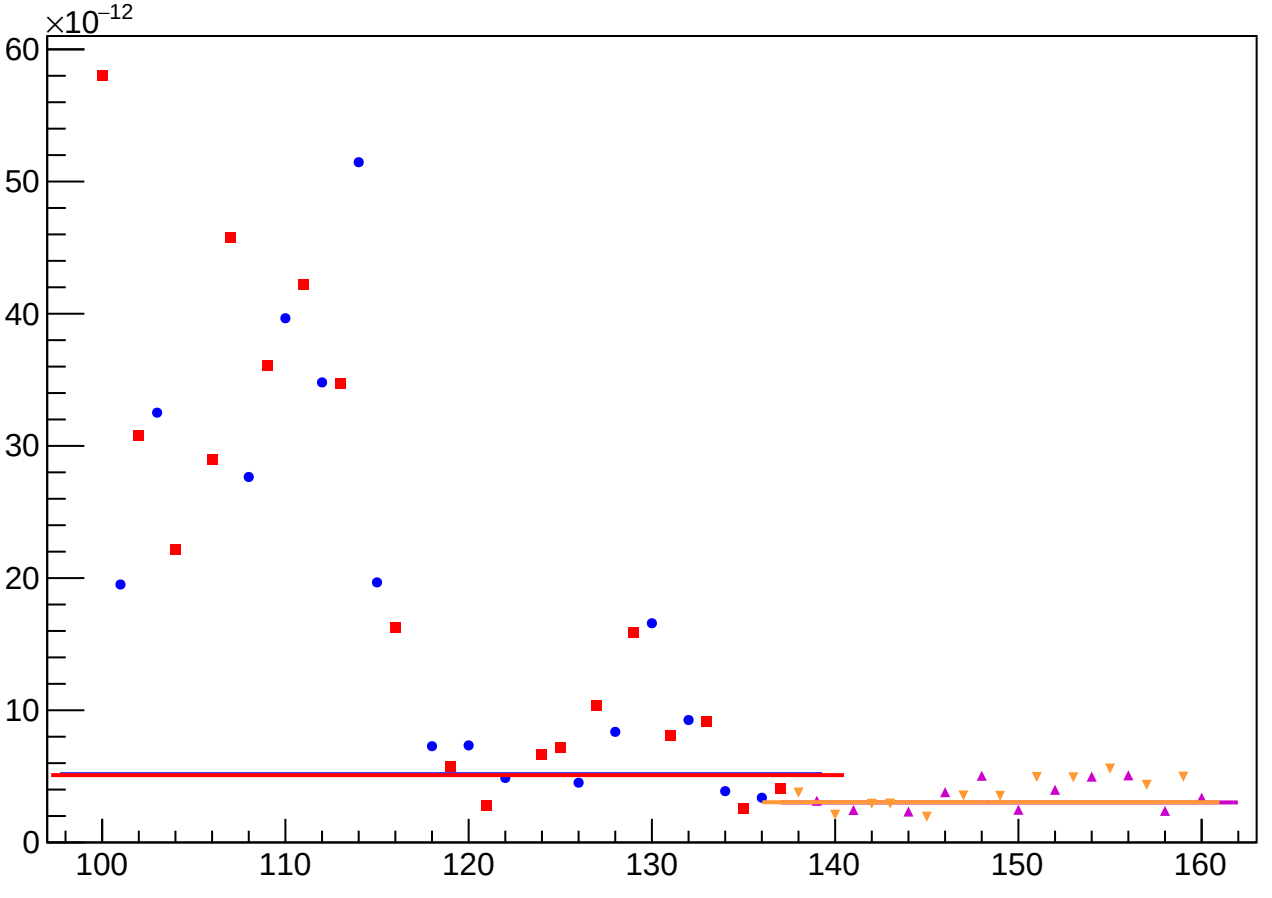
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.7/26

Out: 0.000+/-0.000 χ^2/NDF:33.5/30

All: 0.000+/-0.000 χ^2/NDF: 53.2/57

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:590145.4/10

Left: 0.000+/-0.000 χ^2/NDF: 1615293.0/22

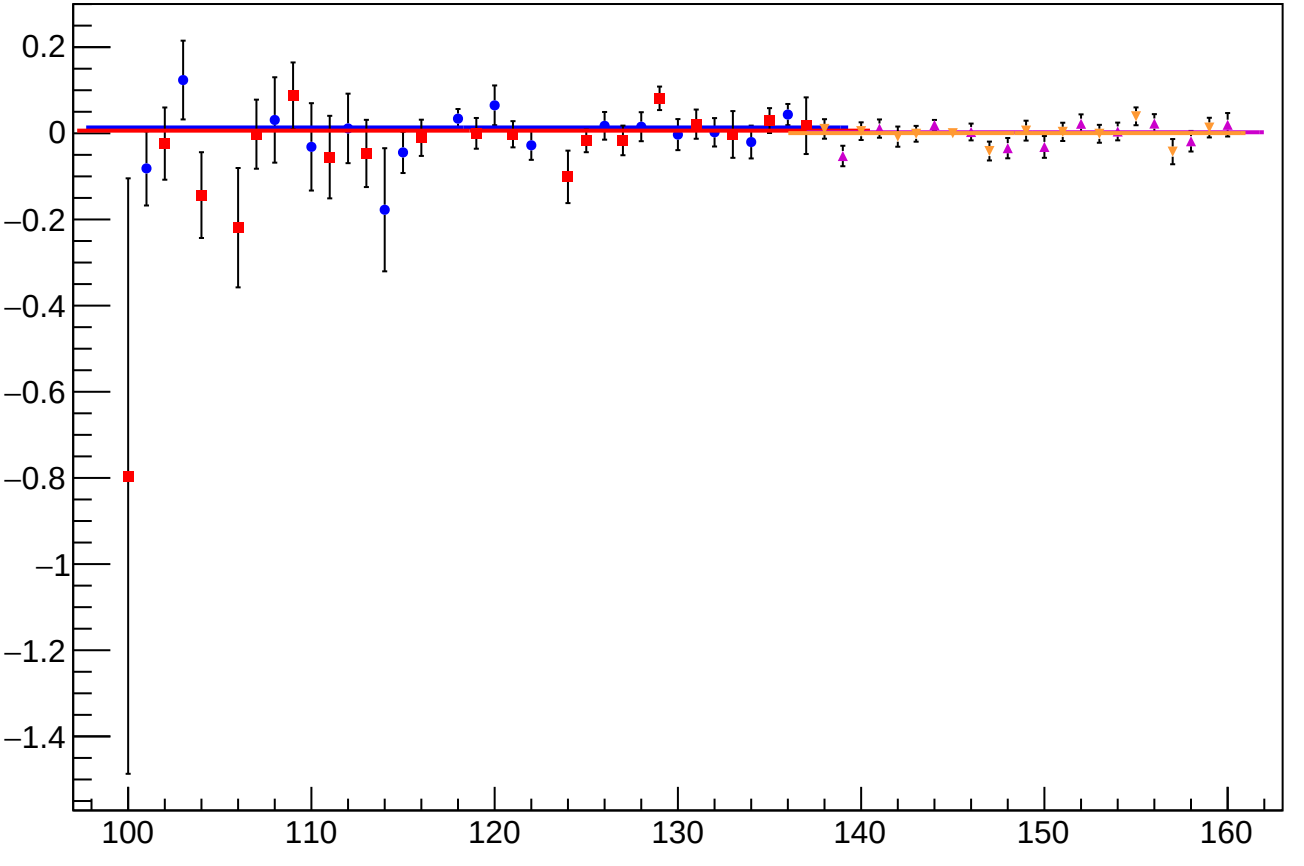
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3776507.9/26

Out: 0.000+/-0.000 χ^2/NDF:4724190.0/30

All: 0.000+/-0.000 χ^2/NDF: 8501414.7/57

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:14.7/10

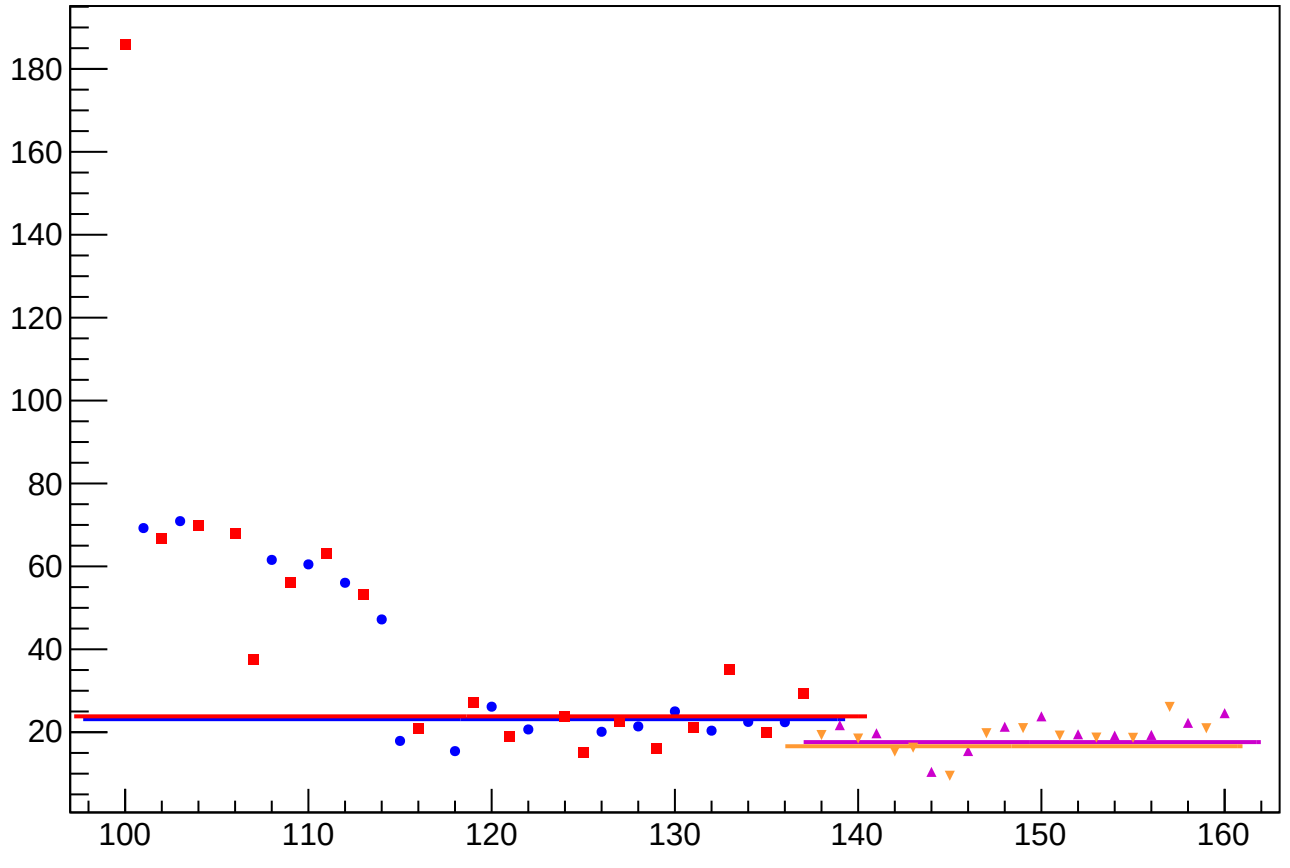
Left: 0.001+/-0.004 χ^2/NDF: 24.8/22

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.004+/-0.004 χ^2/NDF: 60.0/57



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: 17.613+/-0.004 χ^2/NDF:1262118.6/10

Left: 17.079+/-0.003 χ^2/NDF: 2600551.5/22

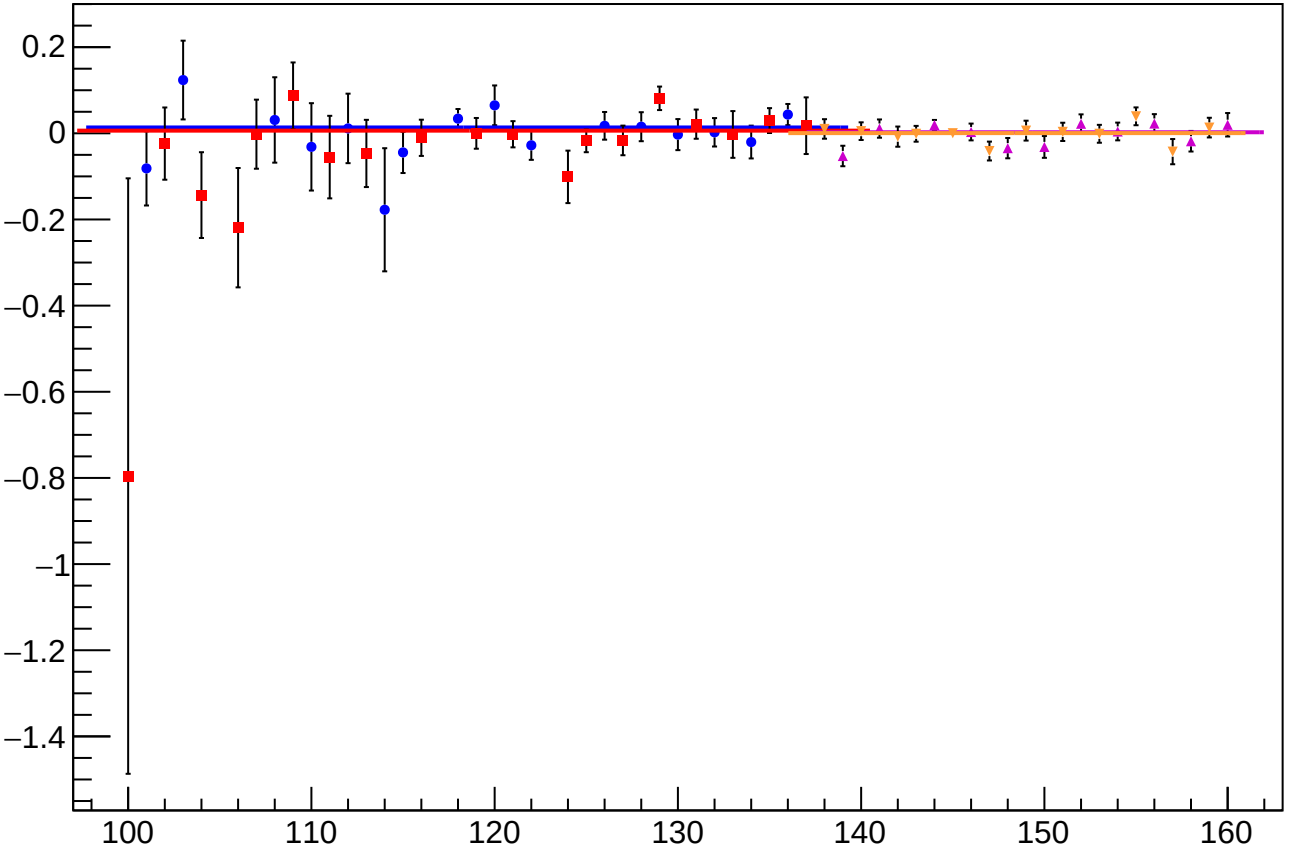
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.148+/-0.004 χ^2/NDF:4124605.0/26

Out: 18.360+/-0.004 χ^2/NDF:4986271.3/30

All: 18.736+/-0.003 χ^2/NDF: 9135051.3/57

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:14.7/10

Left: 0.001+/-0.004 χ^2/NDF: 24.8/22

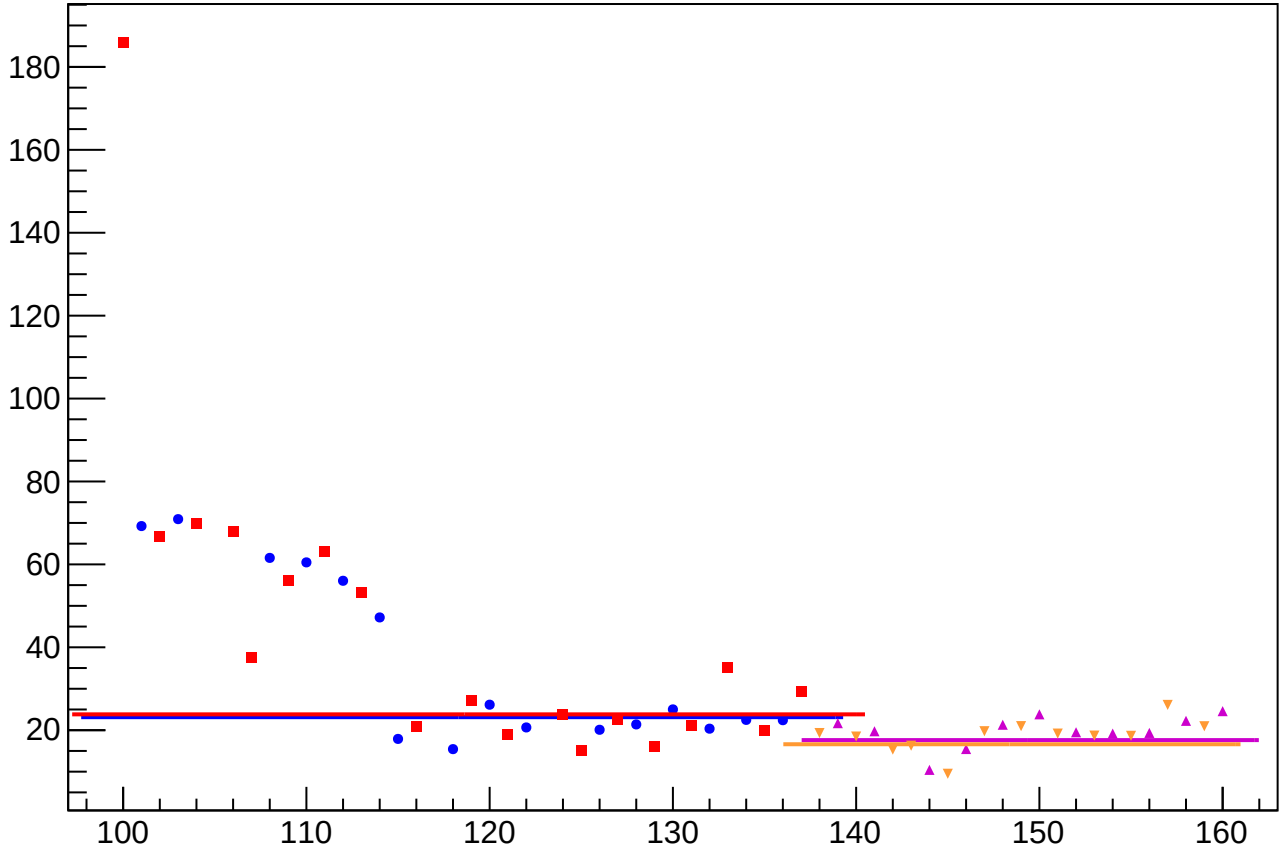
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.004+/-0.004 χ^2/NDF: 60.0/57

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: 17.613+/-0.004 χ^2/NDF:1262118.6/10

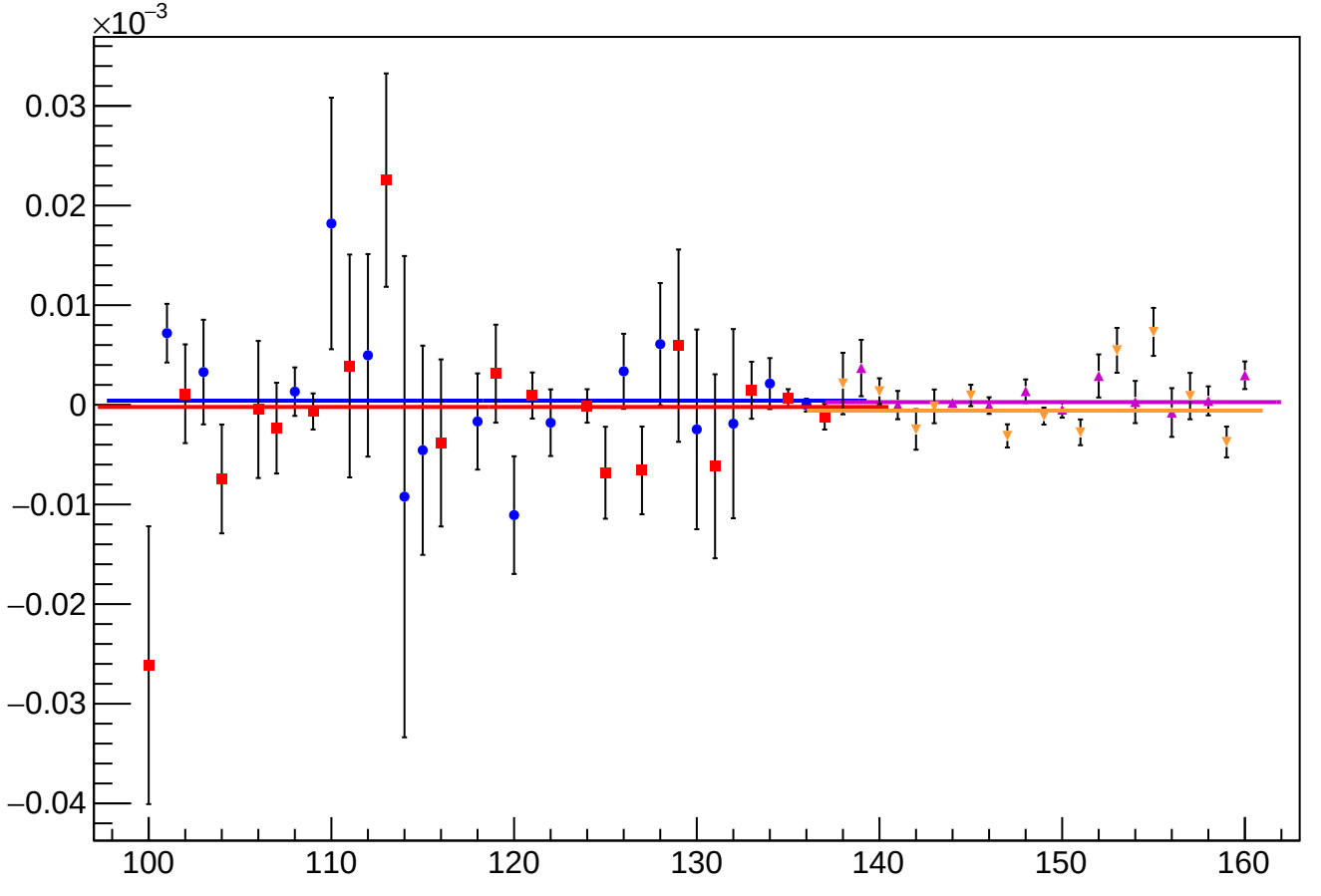
Left: 17.079+/-0.003 χ^2/NDF: 2600551.5/22

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.148+/-0.004 χ^2/NDF:4124605.0/26

Out: 18.360+/-0.004 χ^2/NDF:4986271.3/30

All: 18.736+/-0.003 χ^2/NDF: 9135051.3/57



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:9.0/10

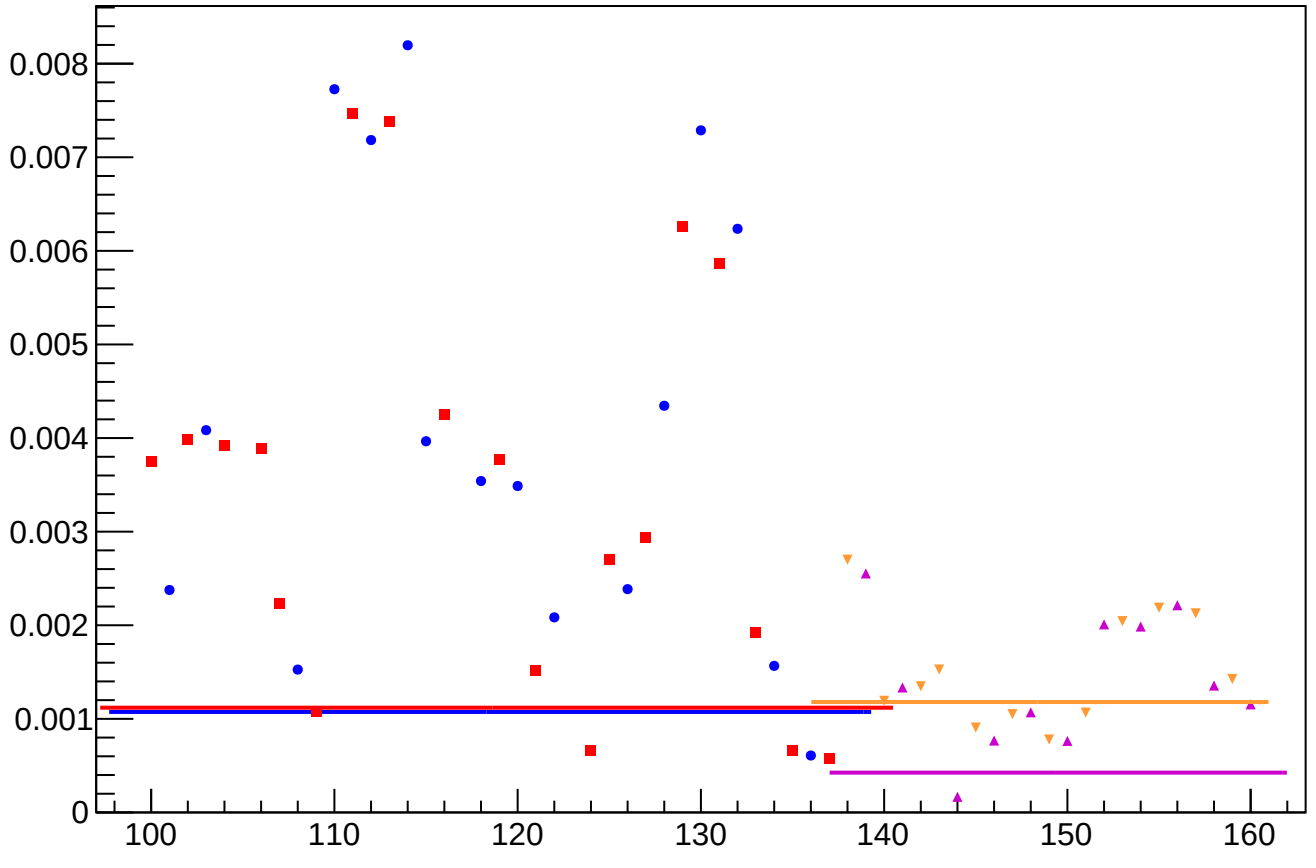
Left: 0.000+/-0.000 χ^2/NDF: 48.8/22

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:24.3/26

Out: -0.000+/-0.000 χ^2/NDF:54.6/30

All: 0.000+/-0.000 χ^2/NDF: 82.5/57



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:9903247.0/10

Left: 0.001+/-0.000 χ^2/NDF: 17346431.8/22

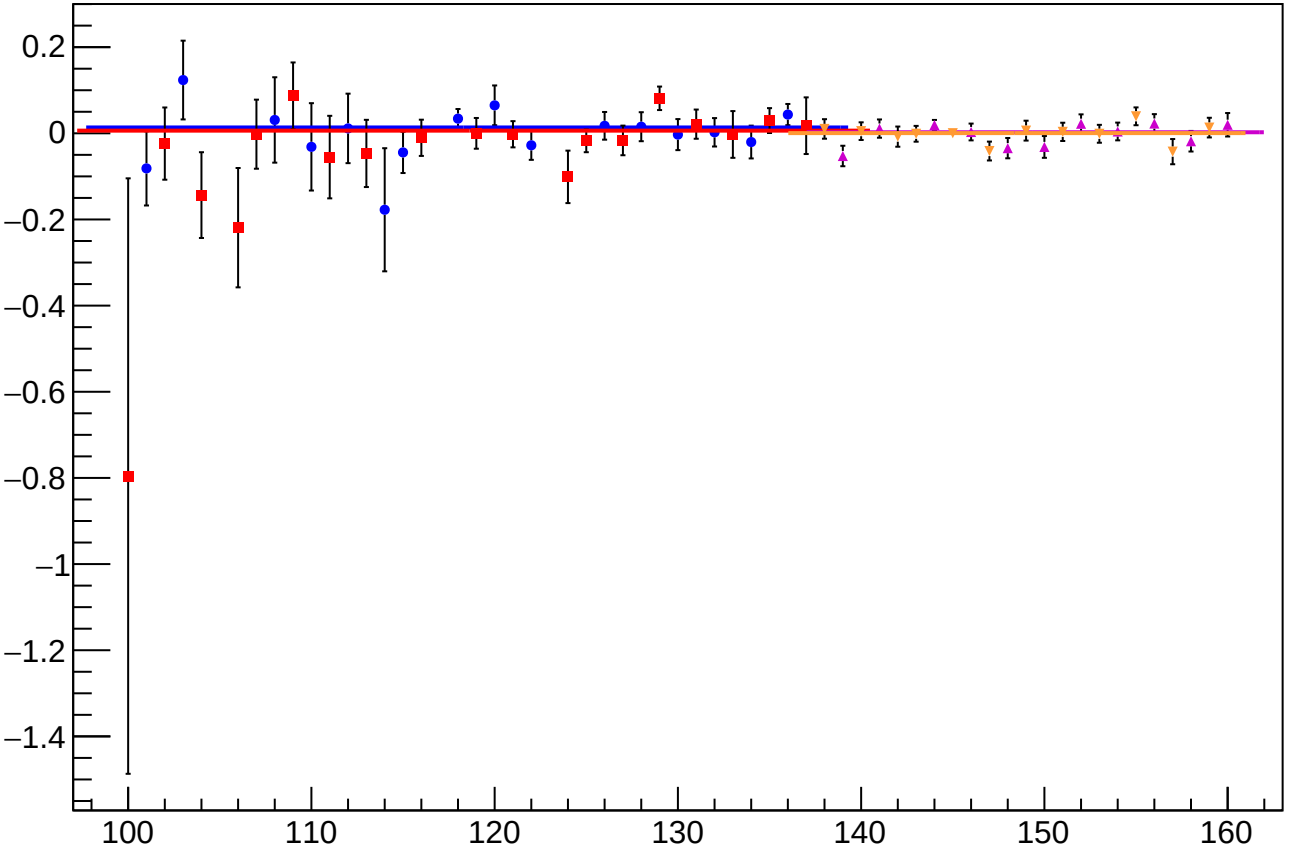
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:19273857.9/26

Out: 0.001+/-0.000 χ^2/NDF:9030463.5/30

All: 0.001+/-0.000 χ^2/NDF: 33840543.9/57

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:14.7/10

Left: 0.001+/-0.004 χ^2/NDF: 24.8/22

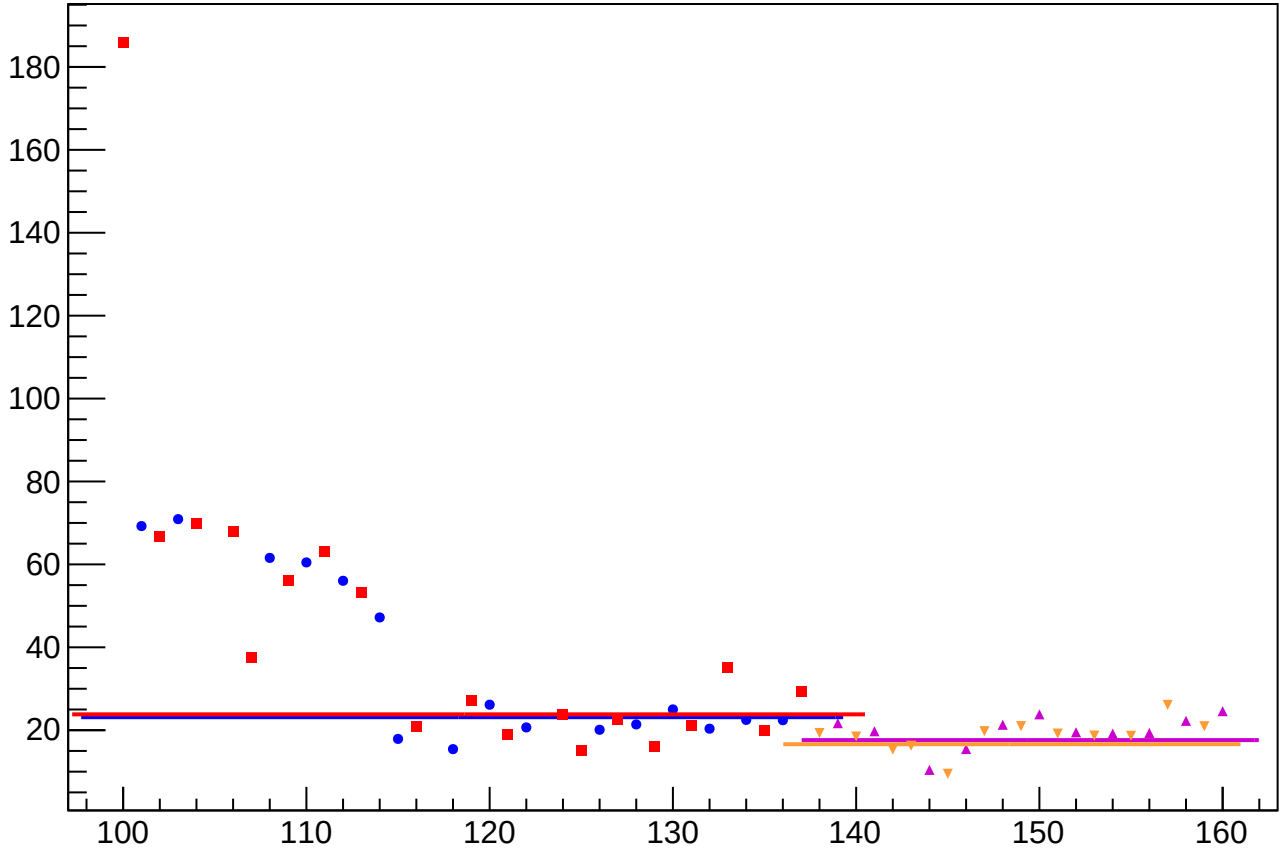
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.004+/-0.004 χ^2/NDF: 60.0/57

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: 17.613+/-0.004 χ^2/NDF:1262097.4/10

Left: 17.079+/-0.003 χ^2/NDF: 2600642.8/22

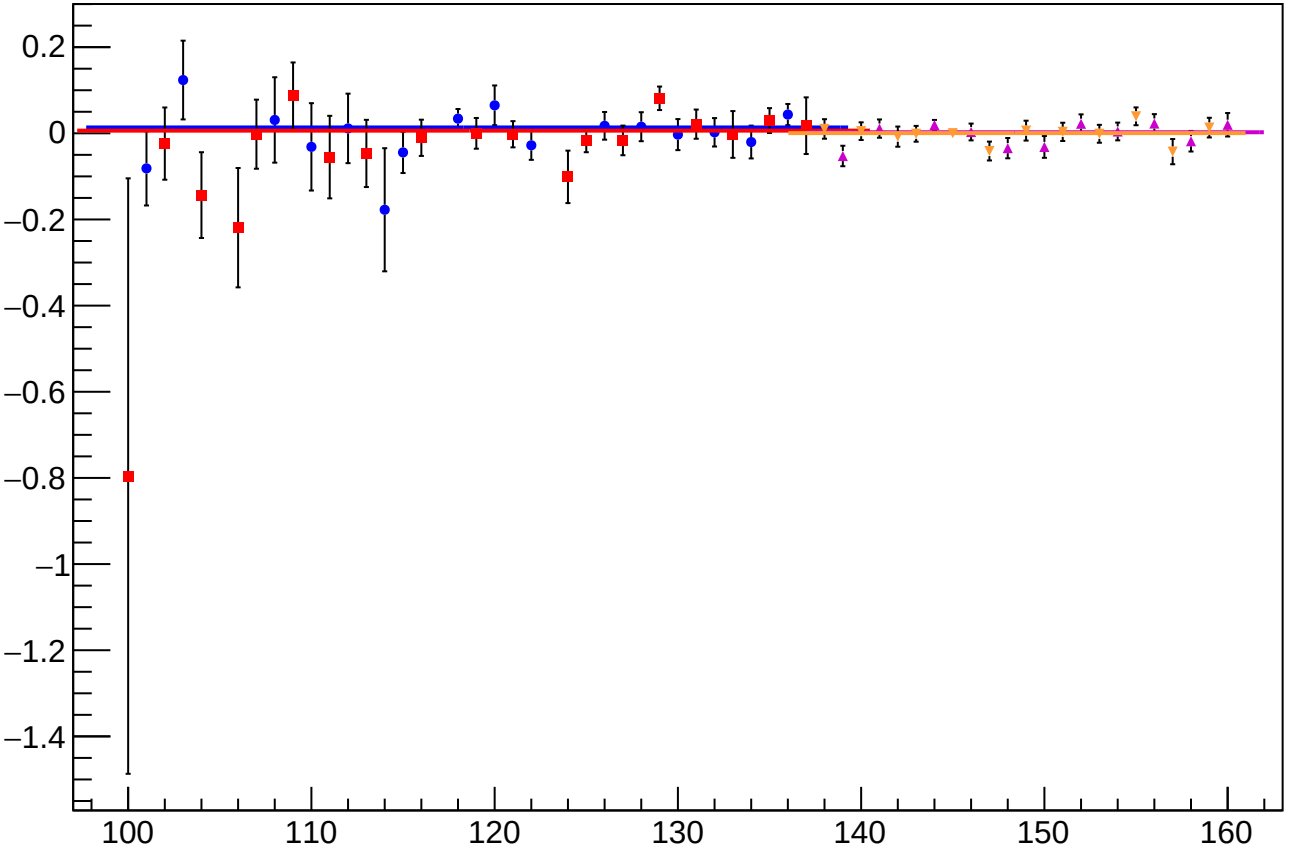
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.148+/-0.004 χ^2/NDF:4124393.5/26

Out: 18.360+/-0.004 χ^2/NDF:4986201.9/30

All: 18.736+/-0.003 χ^2/NDF: 9134763.8/57

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:14.7/10

Left: 0.001+/-0.004 χ^2/NDF: 24.8/22

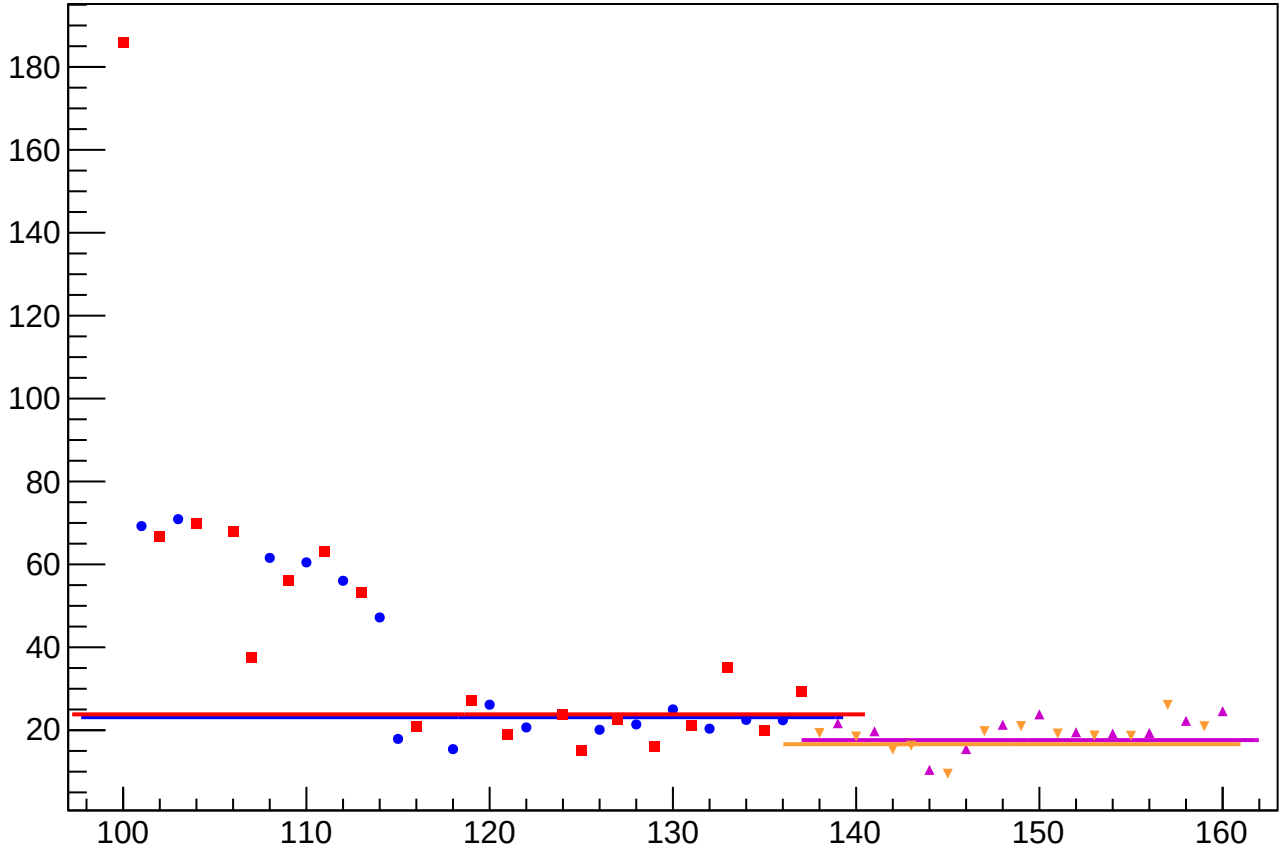
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: 0.002+/-0.005 χ^2/NDF:31.8/30

All: 0.004+/-0.004 χ^2/NDF: 60.0/57

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: 17.613+/-0.004 χ^2/NDF:1262097.4/10

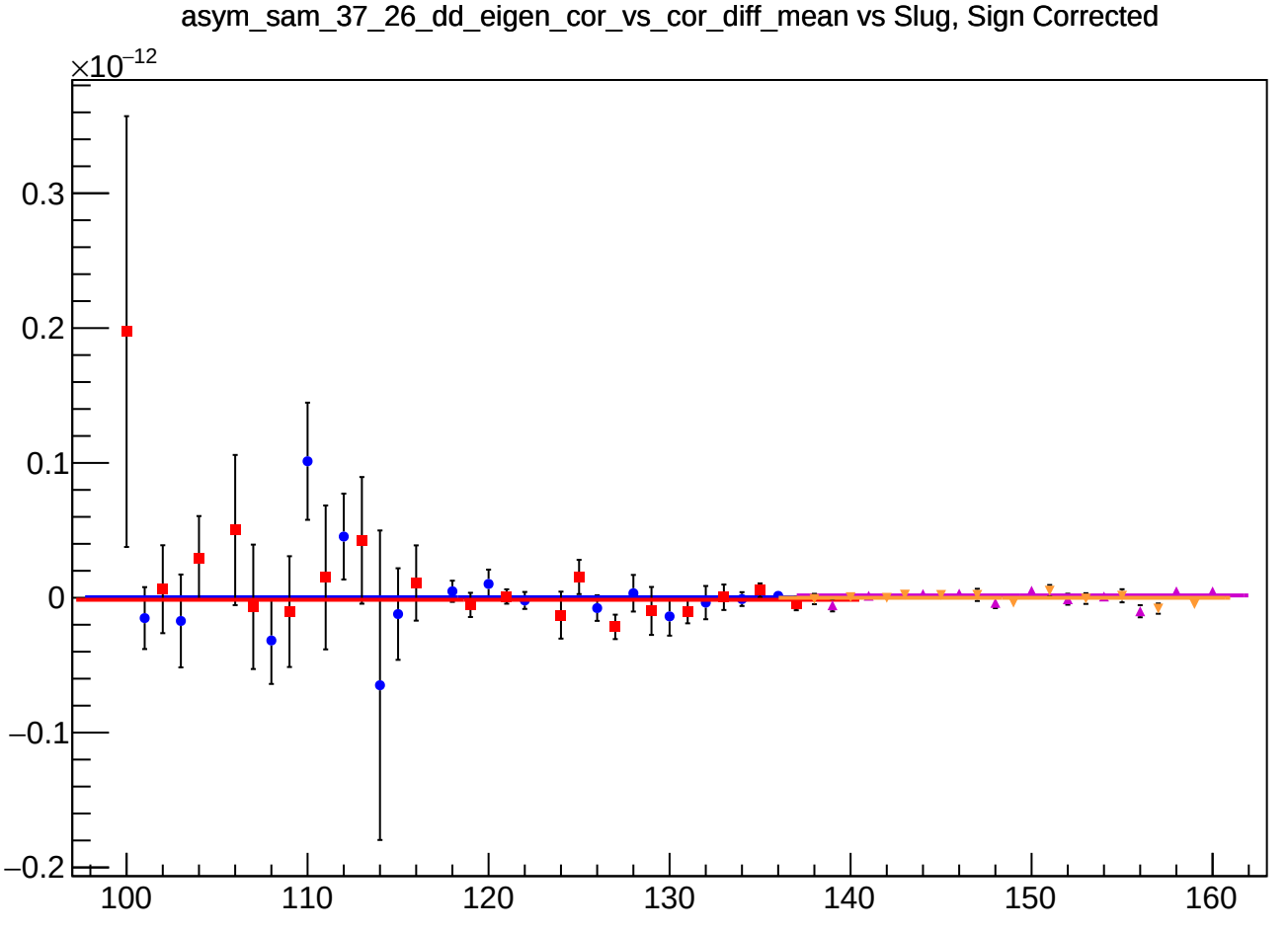
Left: 17.079+/-0.003 χ^2/NDF: 2600642.8/22

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.148+/-0.004 χ^2/NDF:4124393.5/26

Out: 18.360+/-0.004 χ^2/NDF:4986201.9/30

All: 18.736+/-0.003 χ^2/NDF: 9134763.8/57



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:15.7/10

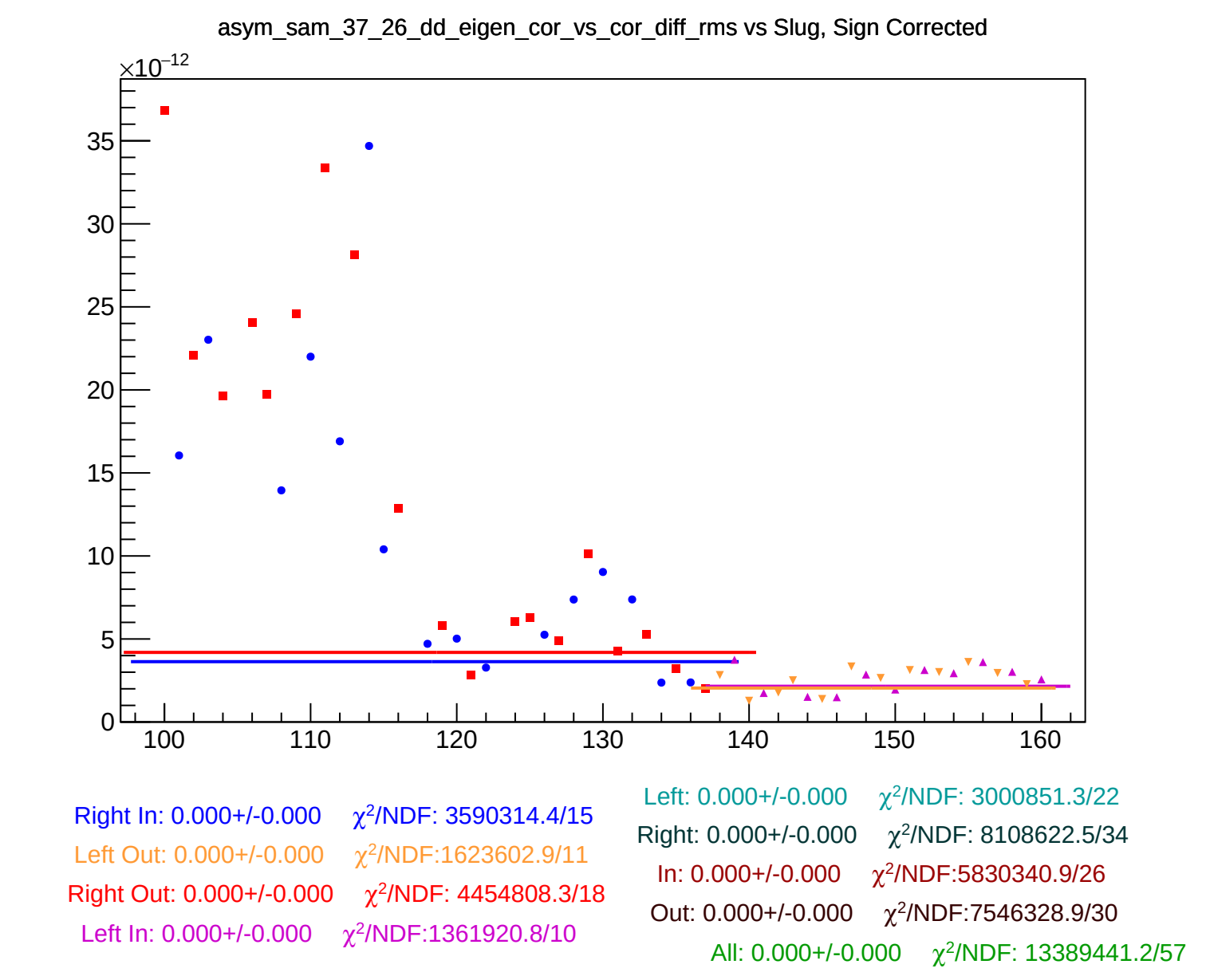
Left: 0.000+/-0.000 χ^2/NDF: 29.8/22

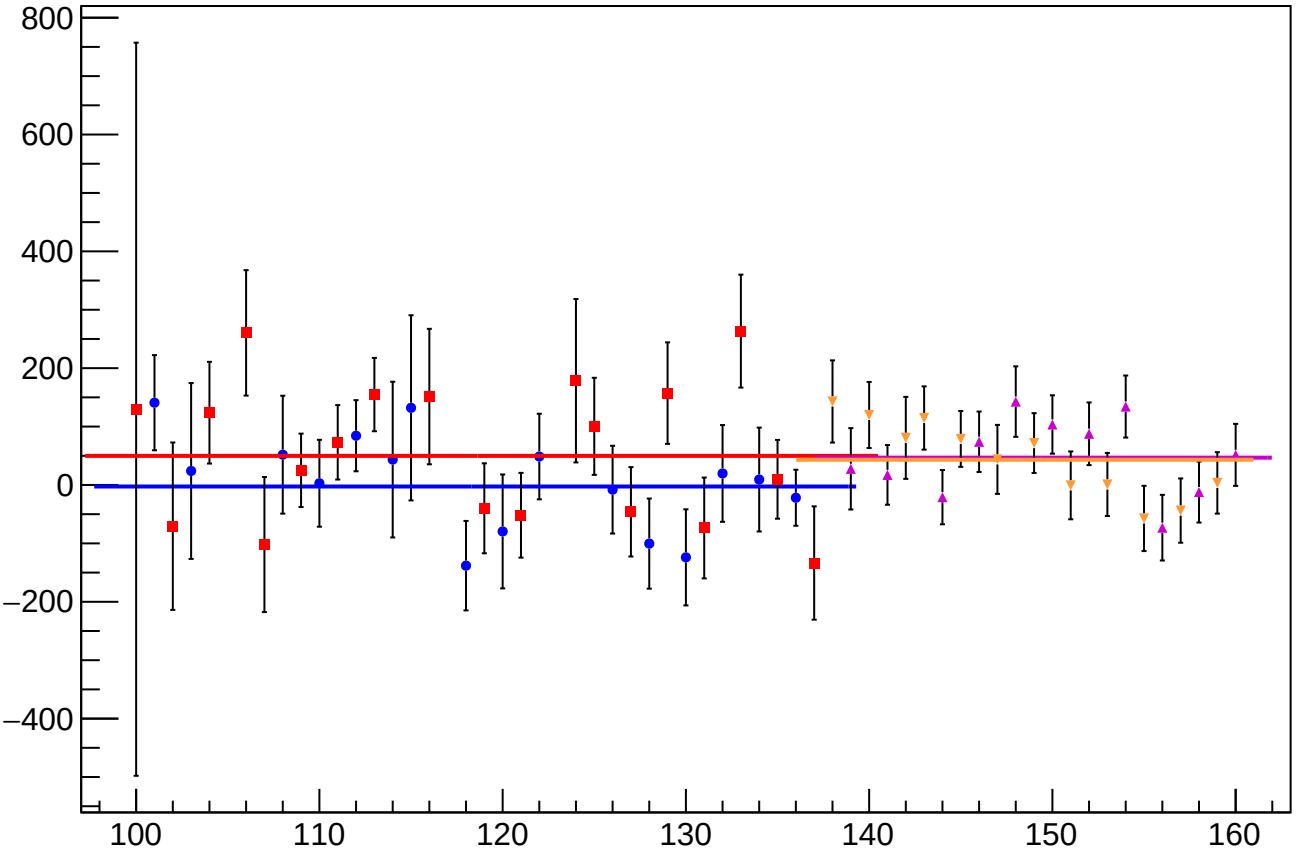
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:29.0/26

Out: -0.000+/-0.000 χ^2/NDF:27.9/30

All: 0.000+/-0.000 χ^2/NDF: 59.2/57


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1623602.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1361920.8/10
Left: 0.000+/-0.000 χ²/NDF: 3000851.3/22
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5830340.9/26
Out: 0.000+/-0.000 χ²/NDF:7546328.9/30
All: 0.000+/-0.000 χ²/NDF: 13389441.2/57



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: 46.773+/-16.134 χ^2/NDF:15.8/10

Left: 44.989+/-11.428 χ^2/NDF: 30.0/22

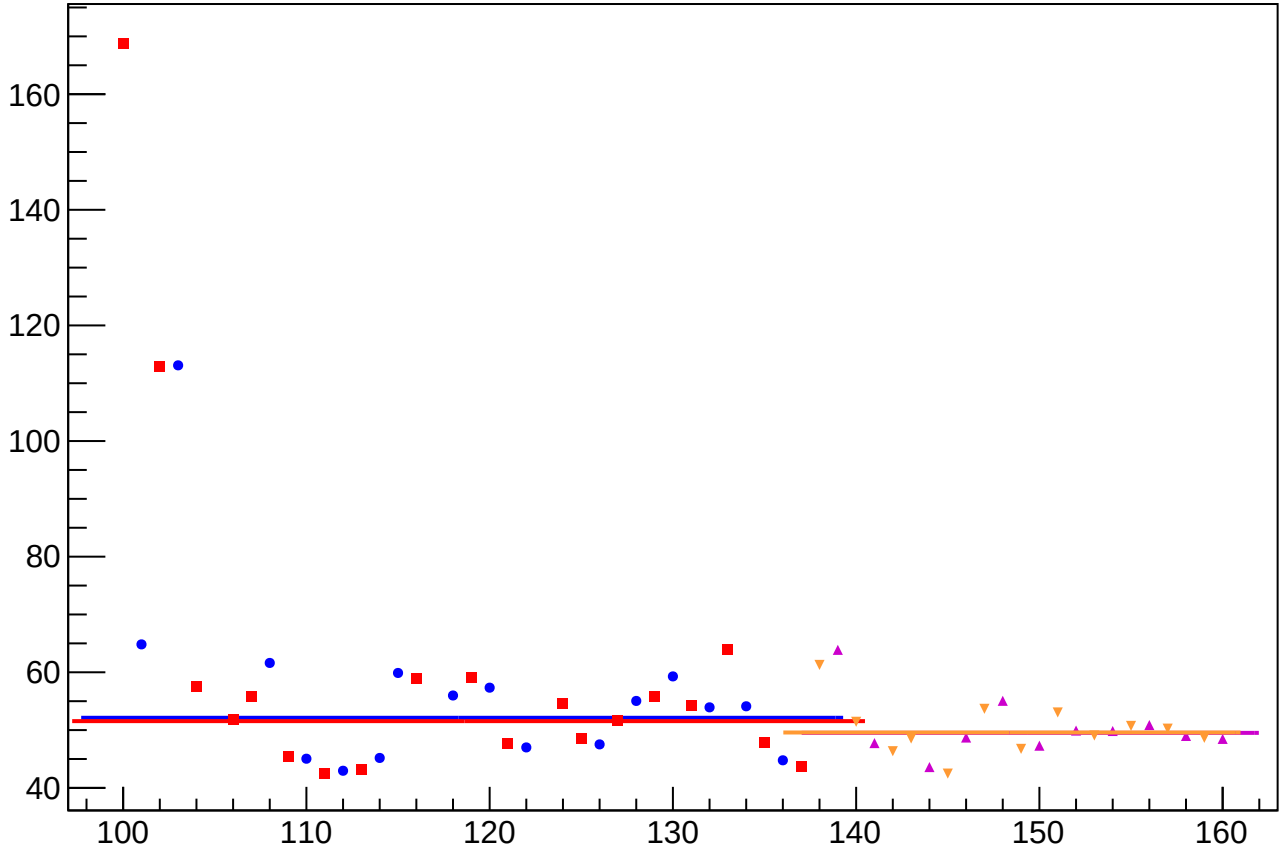
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 27.296+/-12.556 χ^2/NDF:34.0/26

Out: 45.872+/-12.488 χ^2/NDF:43.6/30

All: 36.635+/-8.854 χ^2/NDF: 78.8/57

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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: 49.519+/-0.011 χ^2/NDF:143502.7/10

Left: 49.552+/-0.008 χ^2/NDF: 274873.9/22

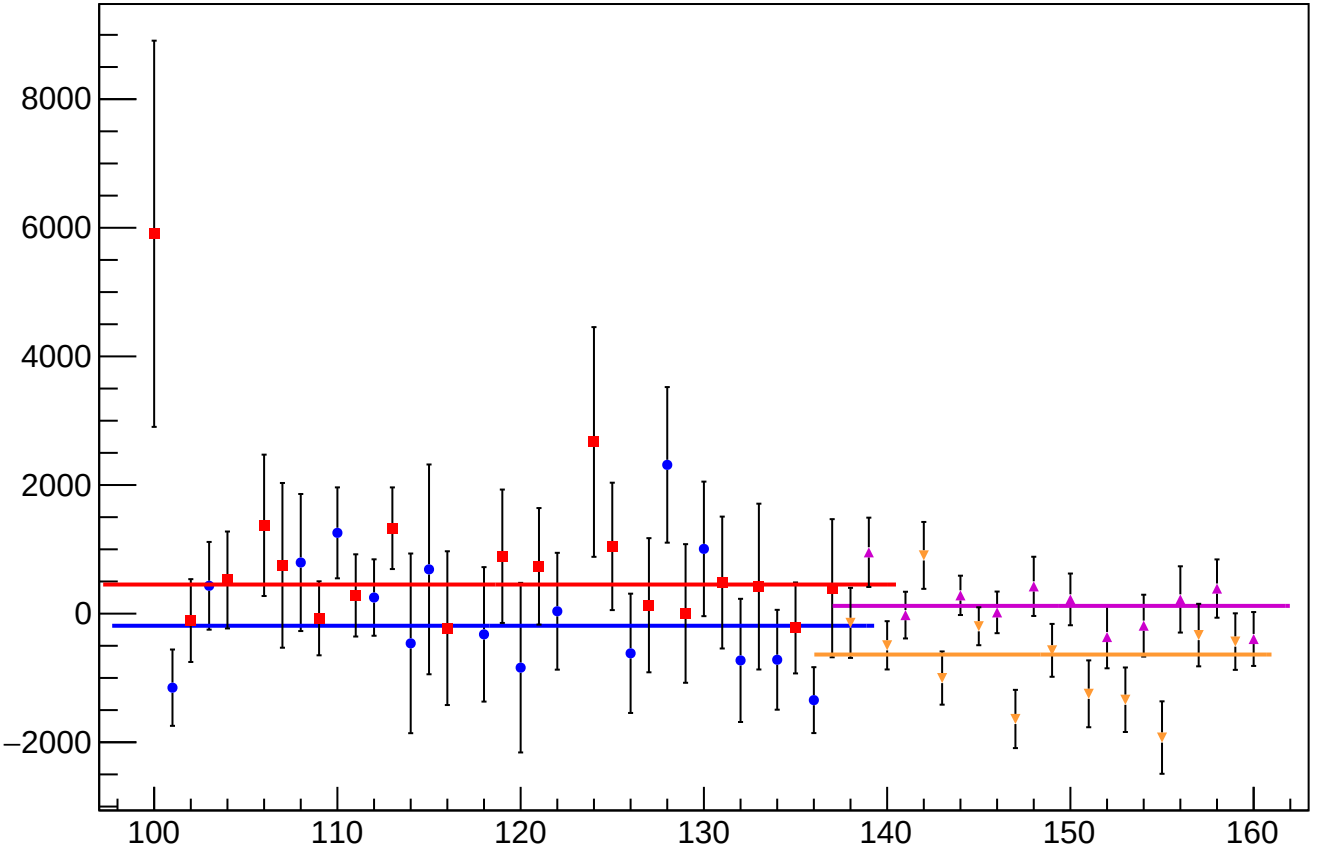
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.548+/-0.009 χ^2/NDF:727056.9/26

Out: 50.381+/-0.009 χ^2/NDF:782850.4/30

All: 50.464+/-0.006 χ^2/NDF: 1510085.0/57

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: 120.573+/-123.996 χ^2/NDF:6.7/10

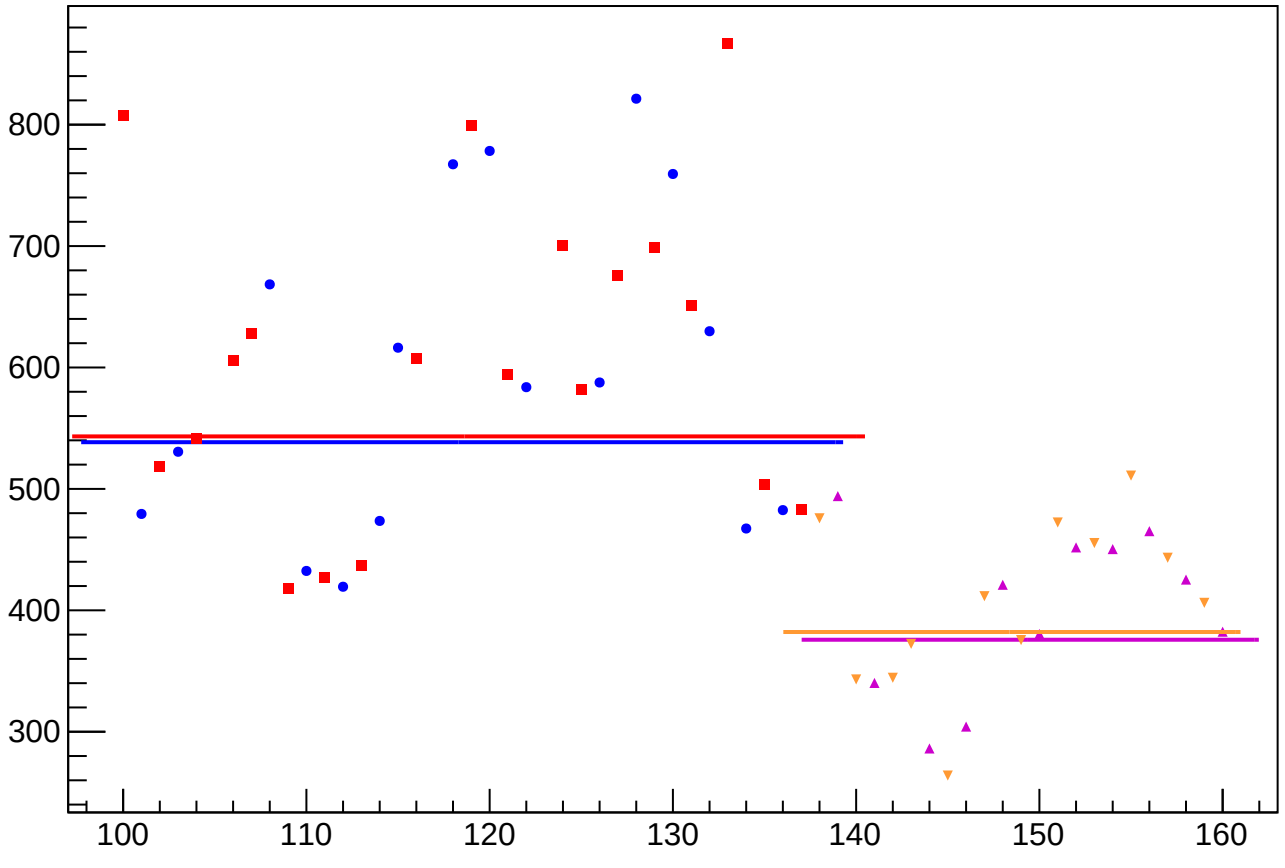
Left: -250.296+/-88.535 χ^2/NDF: 51.8/22

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 38.246+/-106.210 χ^2/NDF:29.7/26

Out: -333.675+/-107.468 χ^2/NDF:58.8/30

All: -145.524+/-75.543 χ^2/NDF: 94.6/57



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: 375.772+/-0.088 χ^2/NDF:585997.4/10

Left: 378.896+/-0.063 χ^2/NDF: 1256673.6/22

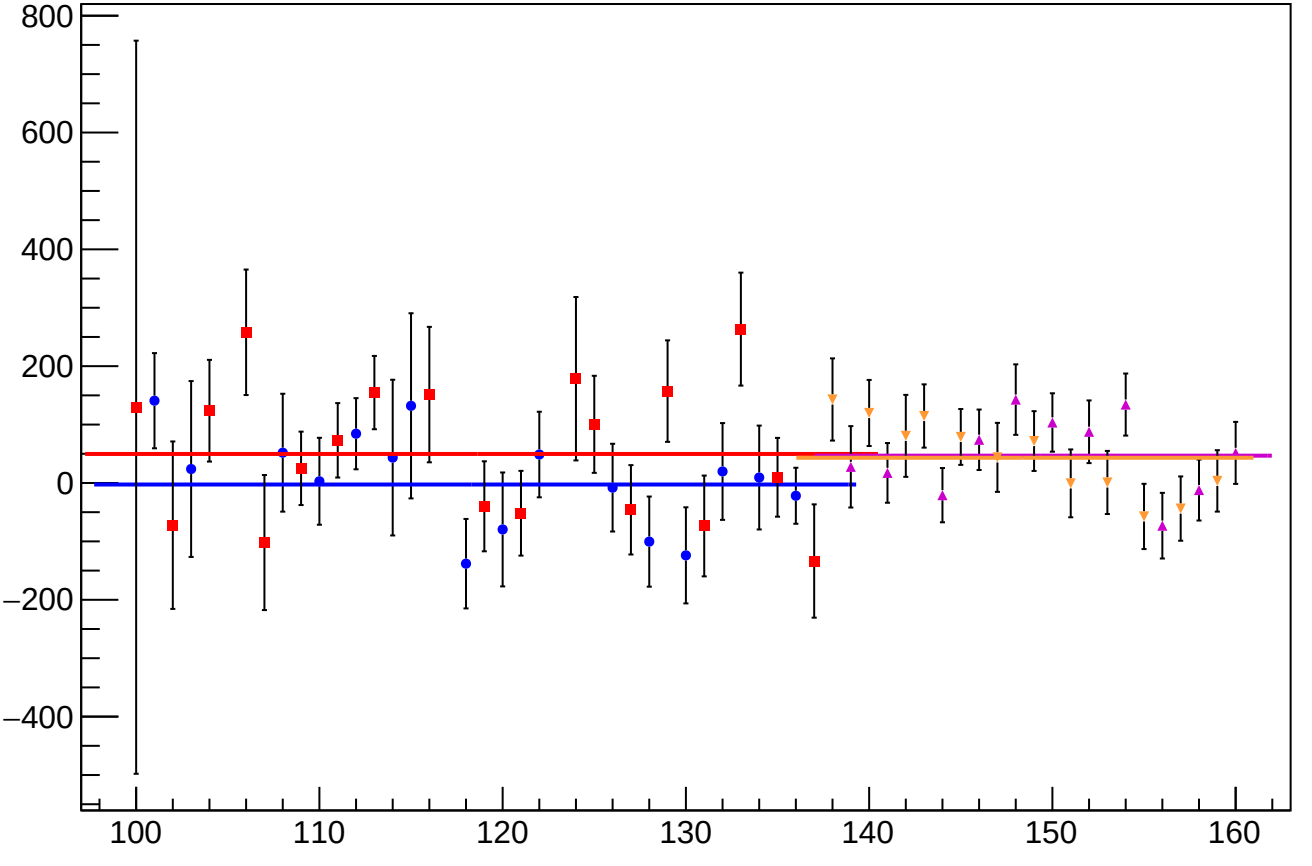
Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 419.100+/-0.075 χ^2/NDF:2116964.6/26

Out: 426.889+/-0.076 χ^2/NDF:2206738.3/30

All: 422.949+/-0.053 χ^2/NDF: 4329017.9/57

cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: 46.774+/-16.134 χ^2/NDF:15.8/10

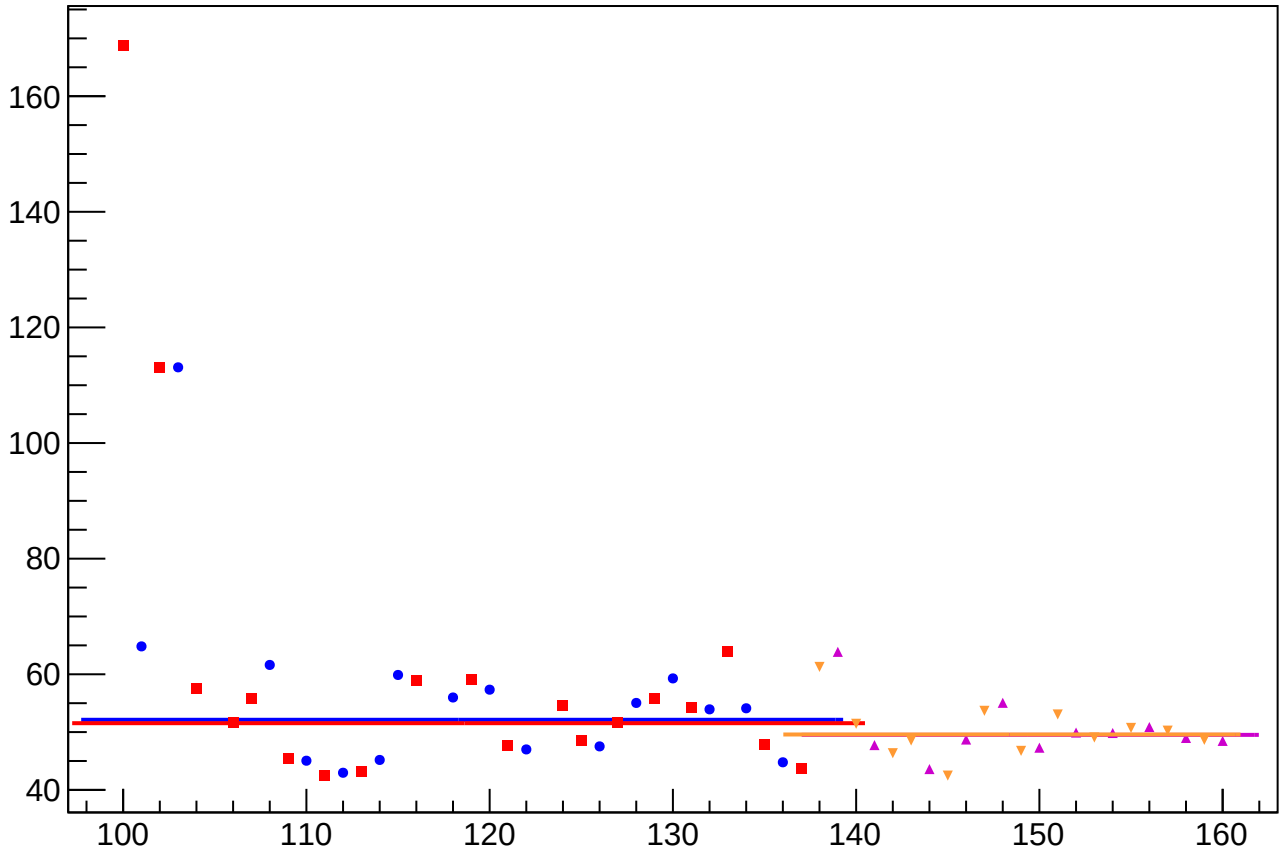
Left: 44.990+/-11.428 χ^2/NDF: 30.0/22

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.295+/-12.556 χ^2/NDF:34.0/26

Out: 45.826+/-12.488 χ^2/NDF:43.6/30

All: 36.611+/-8.854 χ^2/NDF: 78.7/57



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: 49.519+/-0.011 χ^2/NDF:143502.7/10

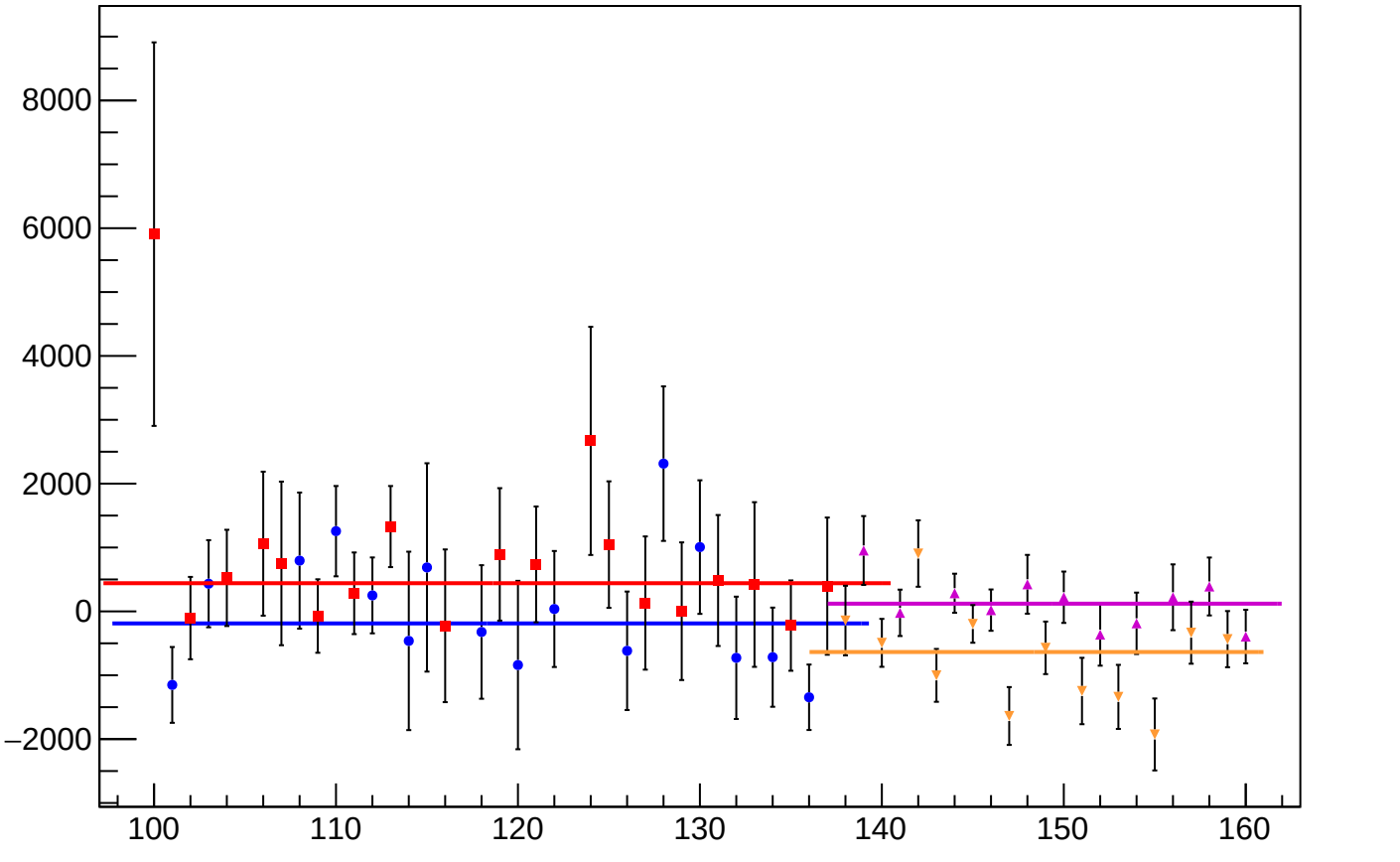
Left: 49.552+/-0.008 χ^2/NDF: 274873.9/22

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.548+/-0.009 χ^2/NDF:727059.2/26

Out: 50.377+/-0.009 χ^2/NDF:782945.0/30

All: 50.462+/-0.006 χ^2/NDF: 1510191.0/57



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: 120.576+/-123.996 χ^2/NDF:6.7/10

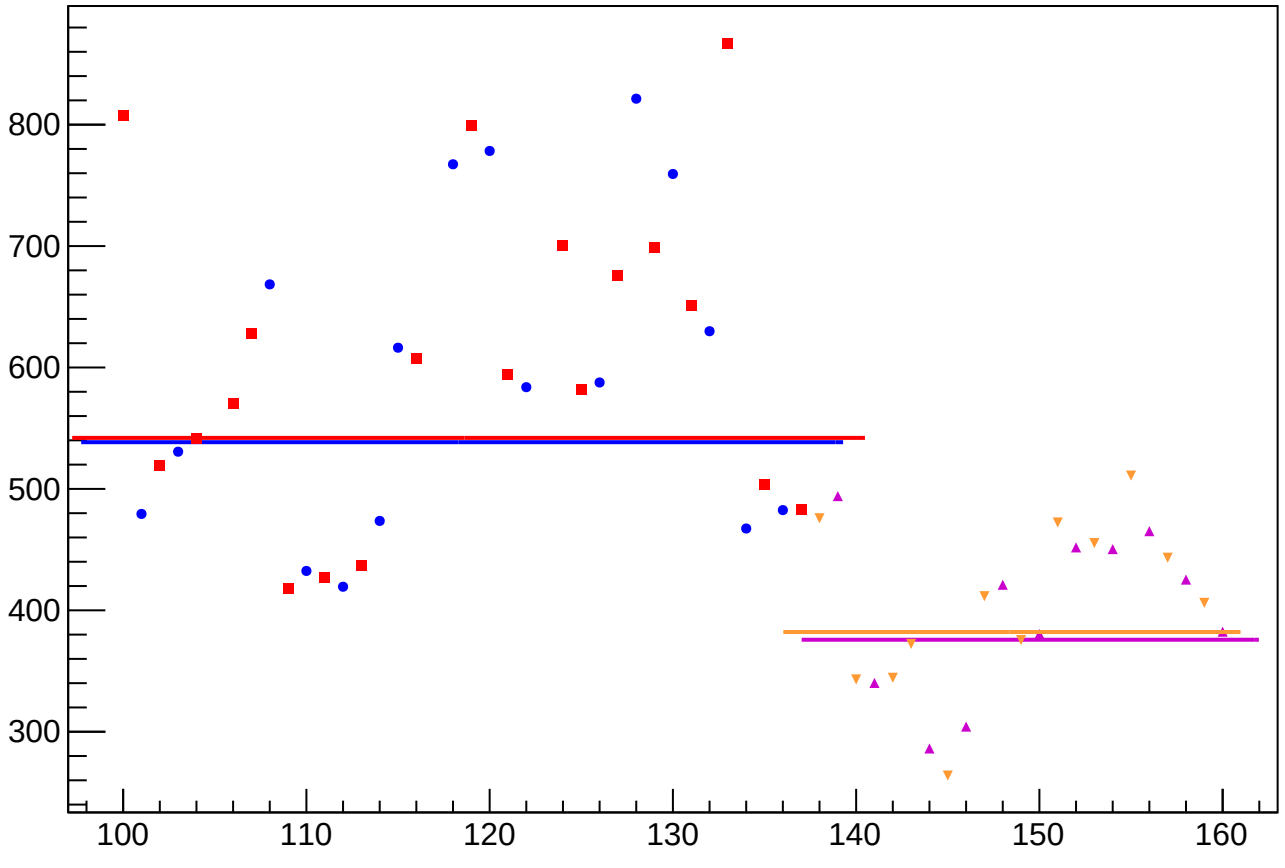
Left: -250.293+/-88.535 χ^2/NDF: 51.8/22

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 38.256+/-106.210 χ^2/NDF:29.7/26

Out: -337.240+/-107.496 χ^2/NDF:57.9/30

All: -147.232+/-75.552 χ^2/NDF: 93.8/57



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: 375.772+/-0.088 χ^2/NDF:585995.8/10

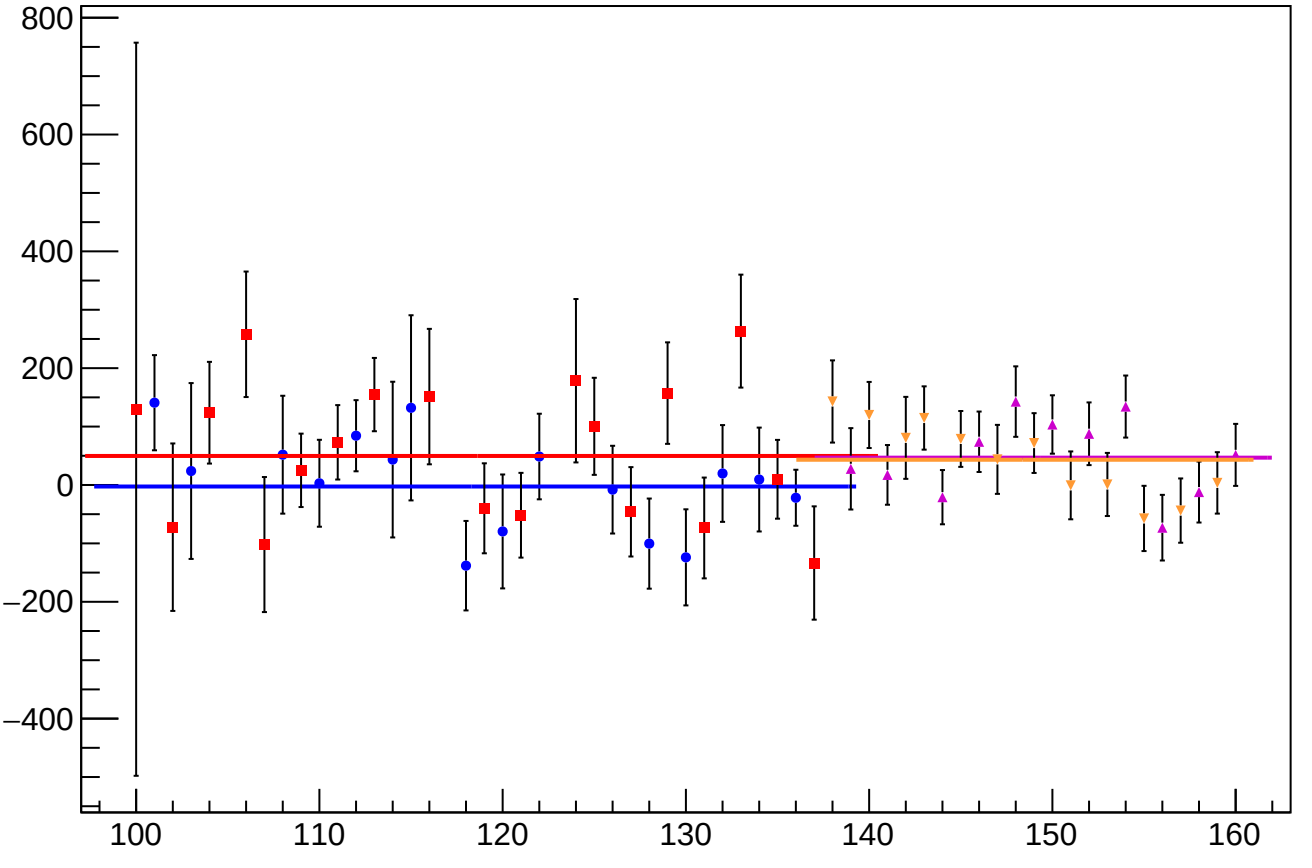
Left: 378.896+/-0.063 χ^2/NDF: 1256675.4/22

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.101+/-0.075 χ^2/NDF:2117006.5/26

Out: 426.490+/-0.076 χ^2/NDF:2186411.4/30

All: 422.751+/-0.053 χ^2/NDF: 4308200.5/57



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: 46.774+/-16.134 χ^2/NDF:15.8/10

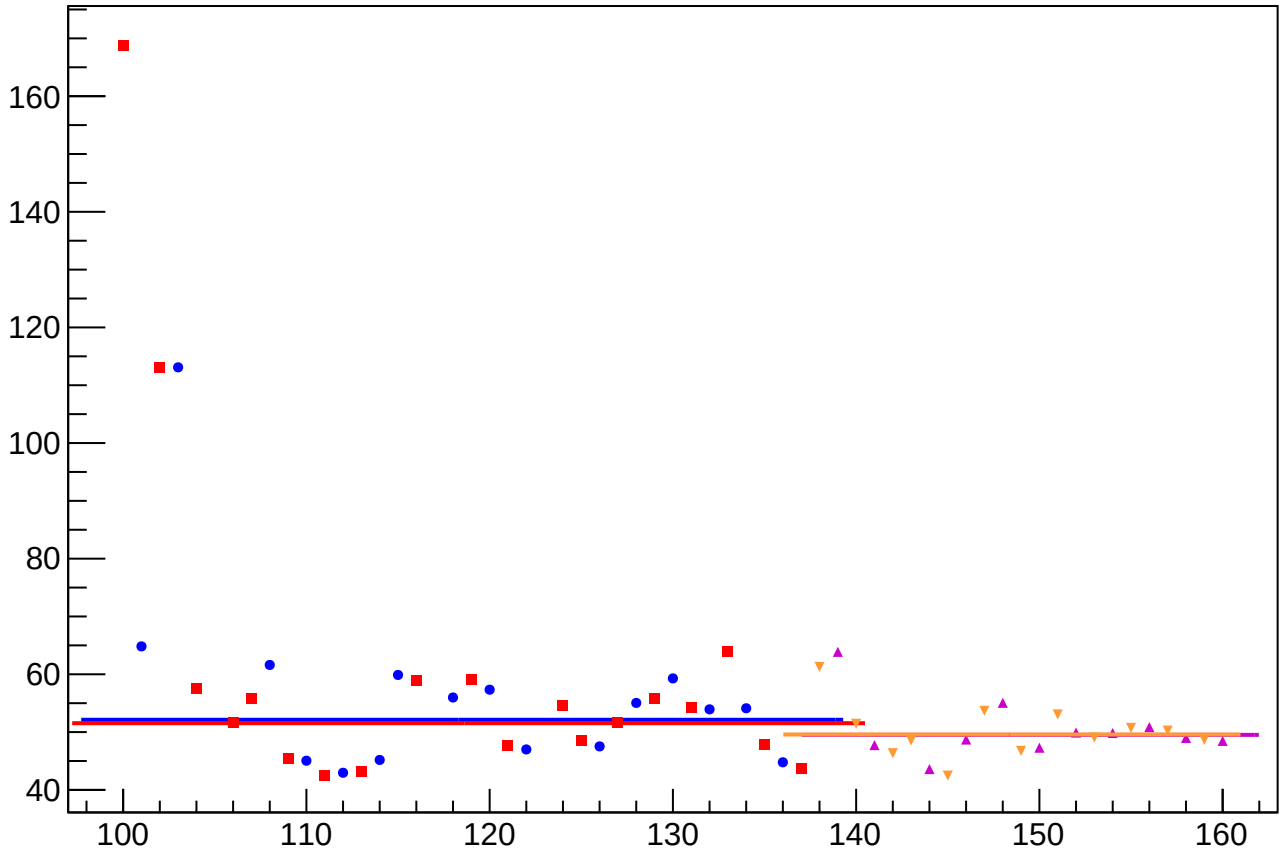
Left: 44.990+/-11.428 χ^2/NDF: 30.0/22

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.295+/-12.556 χ^2/NDF:34.0/26

Out: 45.826+/-12.488 χ^2/NDF:43.6/30

All: 36.611+/-8.854 χ^2/NDF: 78.7/57



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: 49.519+/-0.011 χ^2/NDF:143502.7/10

Left: 49.552+/-0.008 χ^2/NDF: 274873.9/22

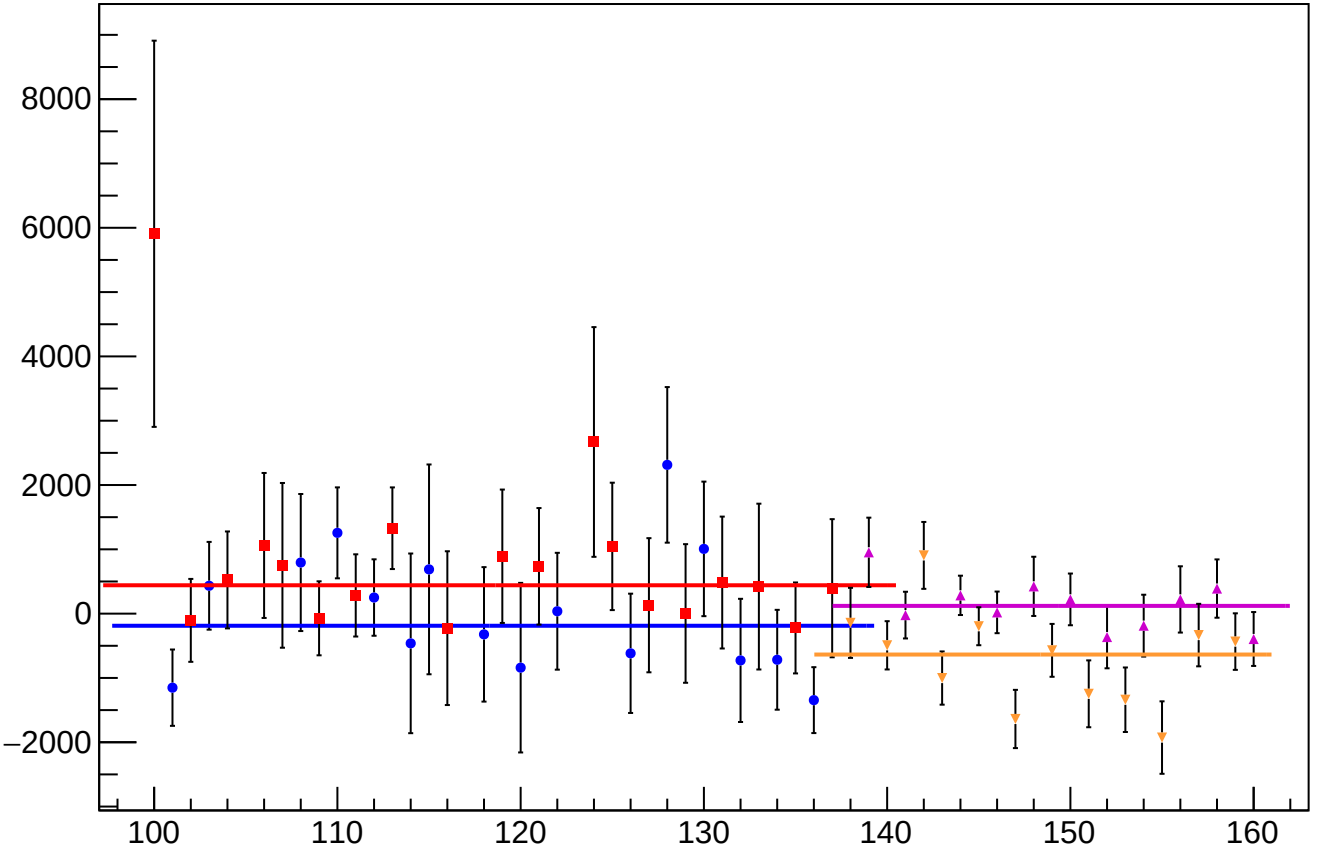
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.548+/-0.009 χ^2/NDF:727059.2/26

Out: 50.377+/-0.009 χ^2/NDF:782945.0/30

All: 50.462+/-0.006 χ^2/NDF: 1510191.0/57

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: 120.576+/-123.996 χ^2/NDF:6.7/10

Left: -250.293+/-88.535 χ^2/NDF: 51.8/22

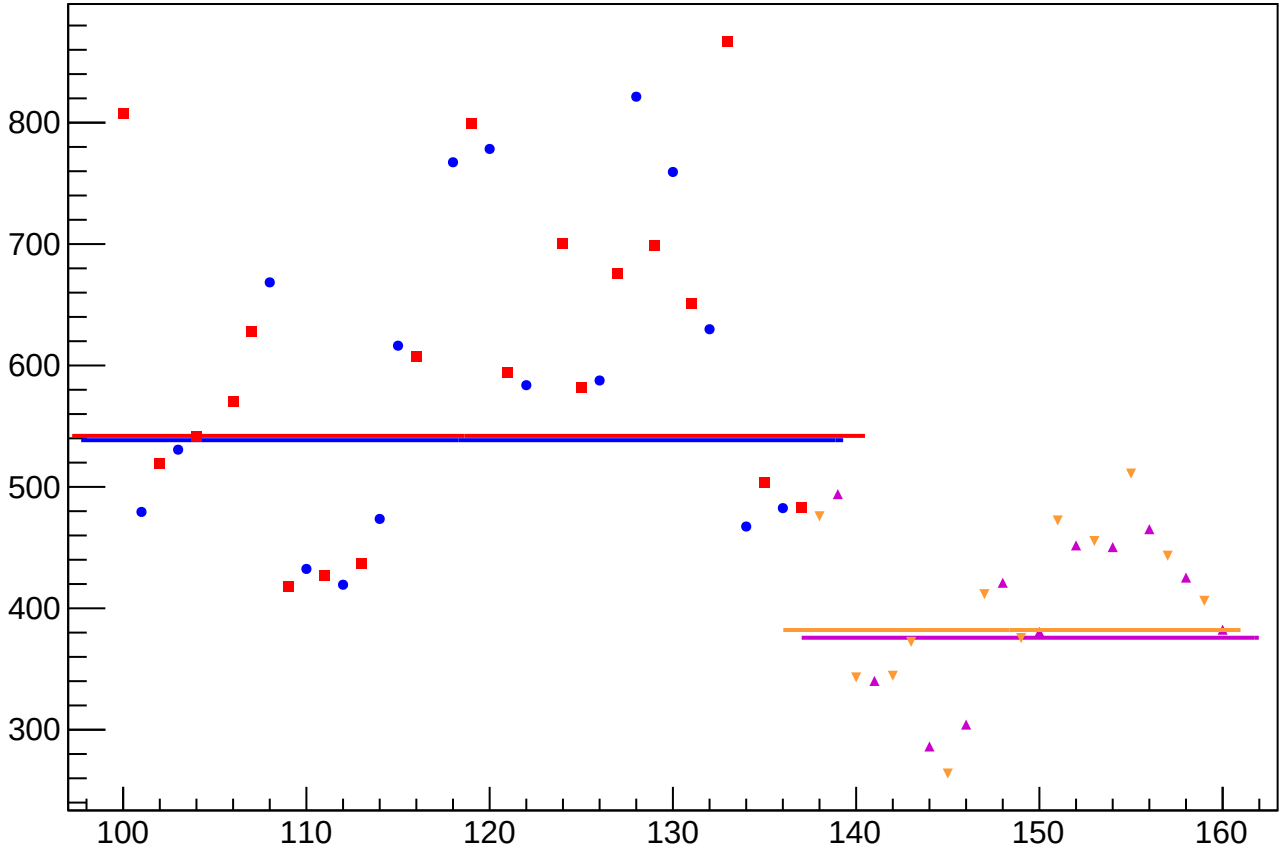
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 38.256+/-106.210 χ^2/NDF:29.7/26

Out: -337.240+/-107.496 χ^2/NDF:57.9/30

All: -147.232+/-75.552 χ^2/NDF: 93.8/57

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: 375.772+/-0.088 χ^2/NDF:585995.8/10

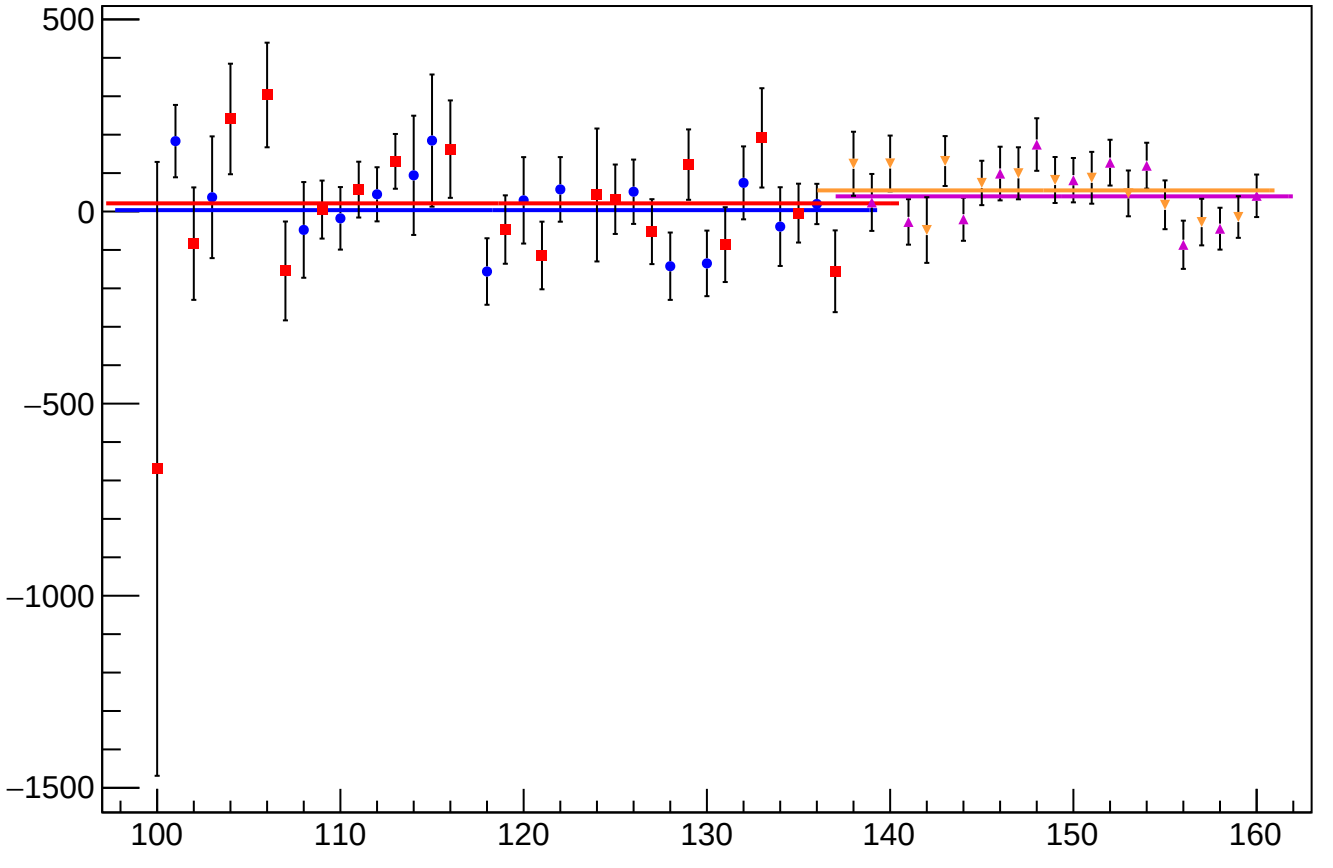
Left: 378.896+/-0.063 χ^2/NDF: 1256675.4/22

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.101+/-0.075 χ^2/NDF:2117006.5/26

Out: 426.490+/-0.076 χ^2/NDF:2186411.4/30

All: 422.751+/-0.053 χ^2/NDF: 4308200.5/57



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: 39.483+/-18.310 χ^2/NDF:17.9/10

Left: 47.080+/-13.075 χ^2/NDF: 27.6/22

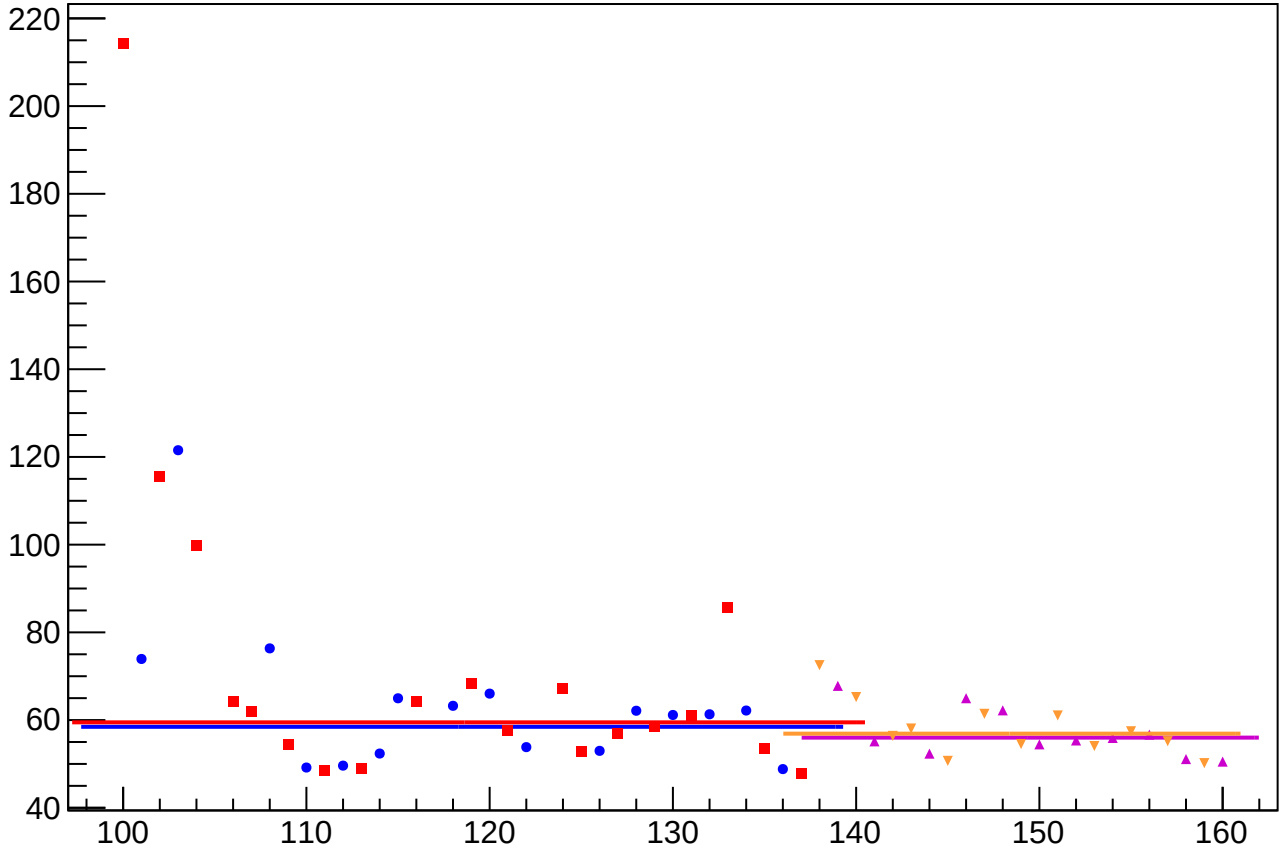
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 25.170+/-14.197 χ^2/NDF:35.6/26

Out: 41.417+/-14.440 χ^2/NDF:35.0/30

All: 33.156+/-10.124 χ^2/NDF: 71.3/57

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: 56.000+/-0.013 χ^2/NDF:146794.5/10

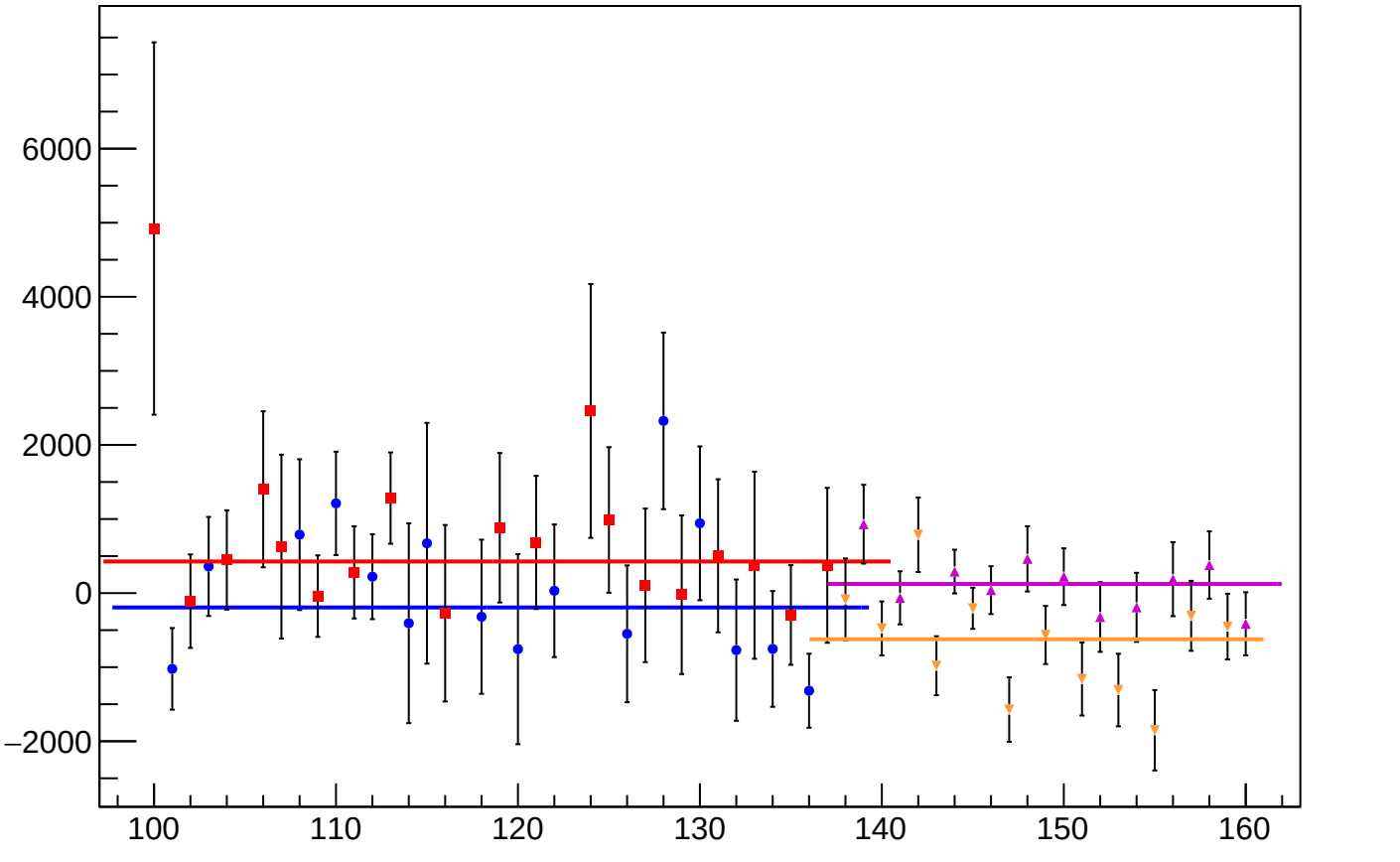
Left: 56.443+/-0.009 χ^2/NDF: 326170.7/22

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.983+/-0.010 χ^2/NDF:744243.3/26

Out: 57.941+/-0.010 χ^2/NDF:977226.9/30

All: 57.454+/-0.007 χ^2/NDF: 1725949.4/57



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: 123.350+/-121.371 χ^2/NDF:6.9/10

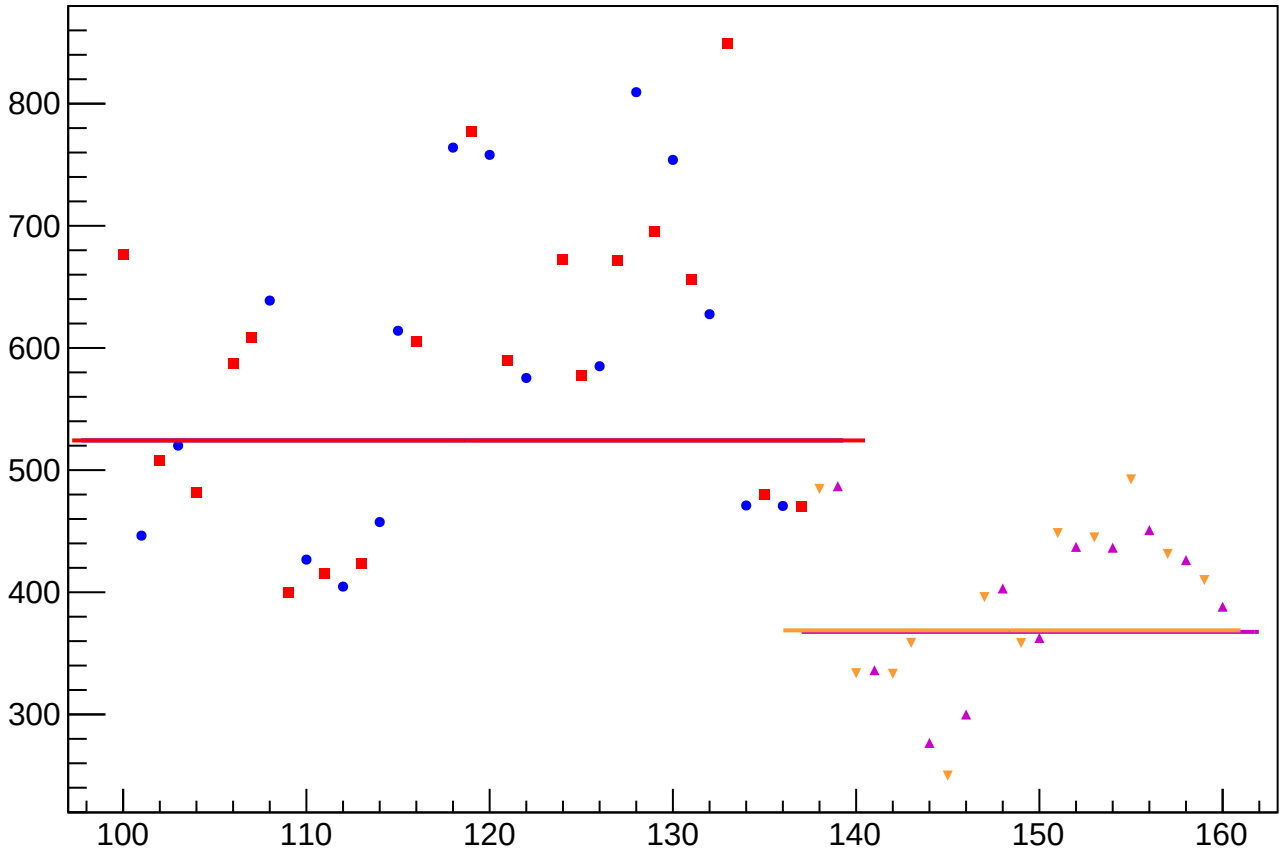
Left: -247.279+/-86.097 χ^2/NDF: 51.3/22

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 38.337+/-103.844 χ^2/NDF:29.5/26

Out: -331.206+/-103.816 χ^2/NDF:57.5/30

All: -146.484+/-73.419 χ^2/NDF: 93.4/57



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: 367.571+/-0.086 χ^2/NDF:588302.7/10

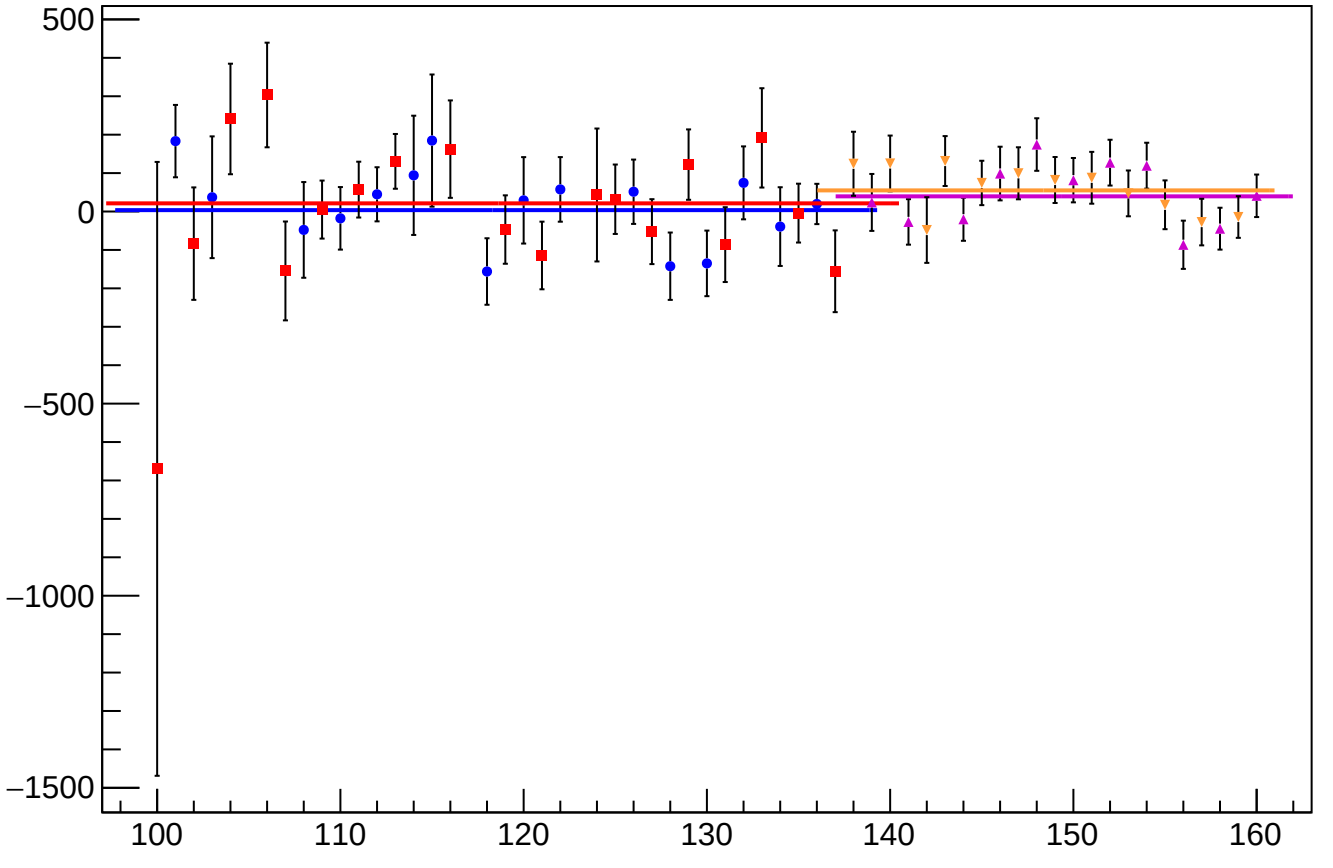
Left: 368.191+/-0.061 χ^2/NDF: 1337096.9/22

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 409.576+/-0.073 χ^2/NDF:2140772.9/26

Out: 411.998+/-0.073 χ^2/NDF:2334620.9/30

All: 410.788+/-0.052 χ^2/NDF: 4475937.9/57



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: 39.482+/-18.310 χ^2/NDF:17.9/10

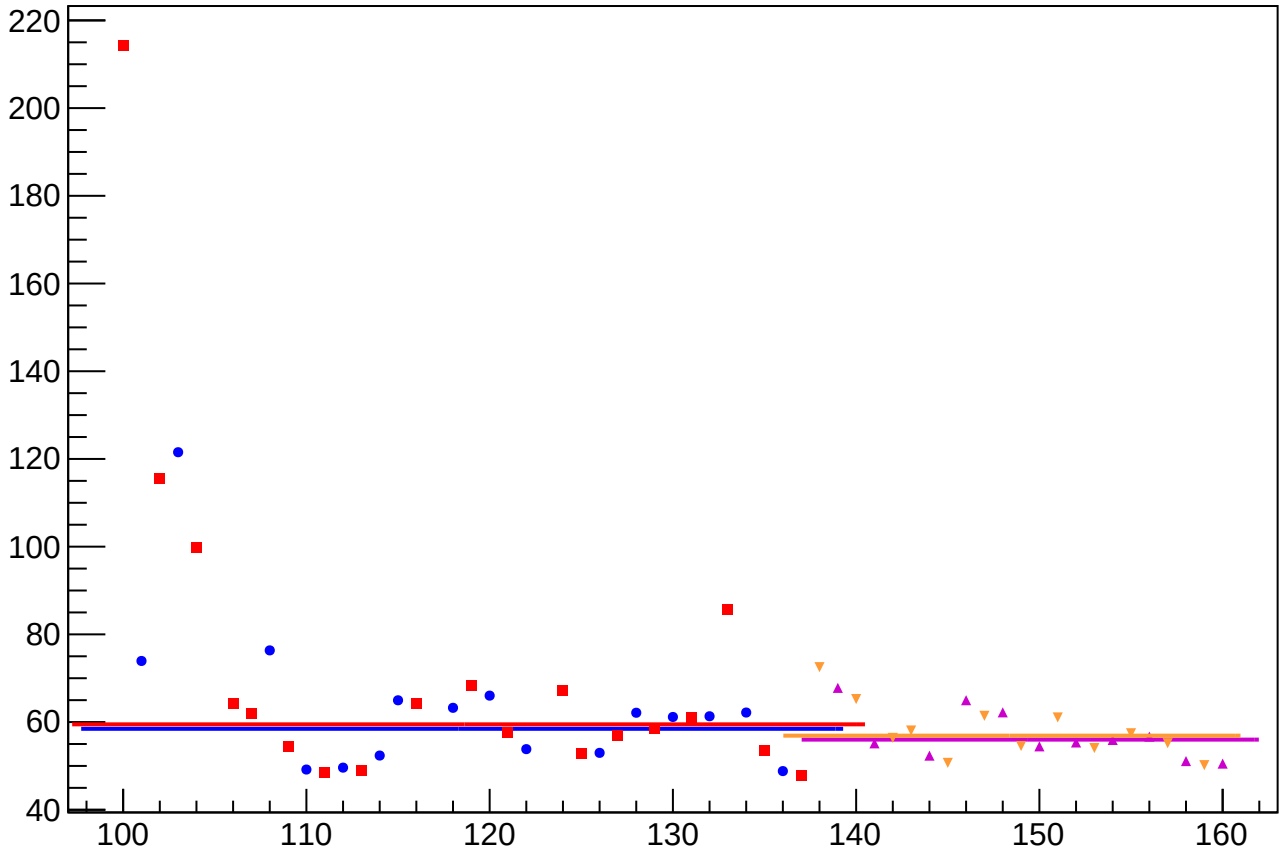
Left: 47.081+/-13.075 χ^2/NDF: 27.6/22

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 25.170+/-14.197 χ^2/NDF:35.6/26

Out: 41.417+/-14.441 χ^2/NDF:35.0/30

All: 33.155+/-10.124 χ^2/NDF: 71.3/57



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: 56.000+/-0.013 χ^2/NDF:146797.0/10

Left: 56.443+/-0.009 χ^2/NDF: 326177.4/22

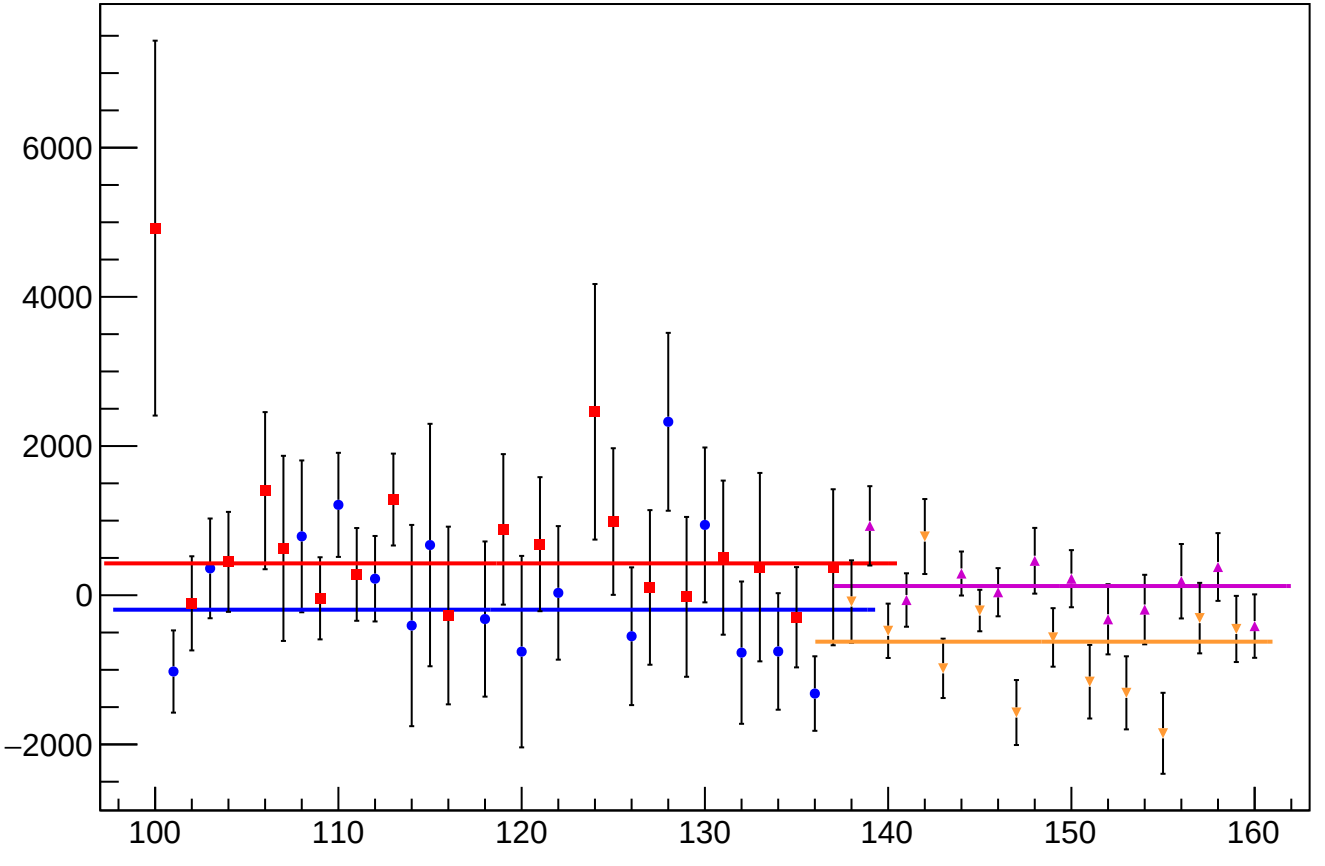
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.983+/-0.010 χ^2/NDF:744241.5/26

Out: 57.942+/-0.010 χ^2/NDF:977229.4/30

All: 57.454+/-0.007 χ^2/NDF: 1725950.6/57

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: 123.349+/-121.371 χ^2/NDF:6.9/10

Left: -247.280+/-86.097 χ^2/NDF: 51.3/22

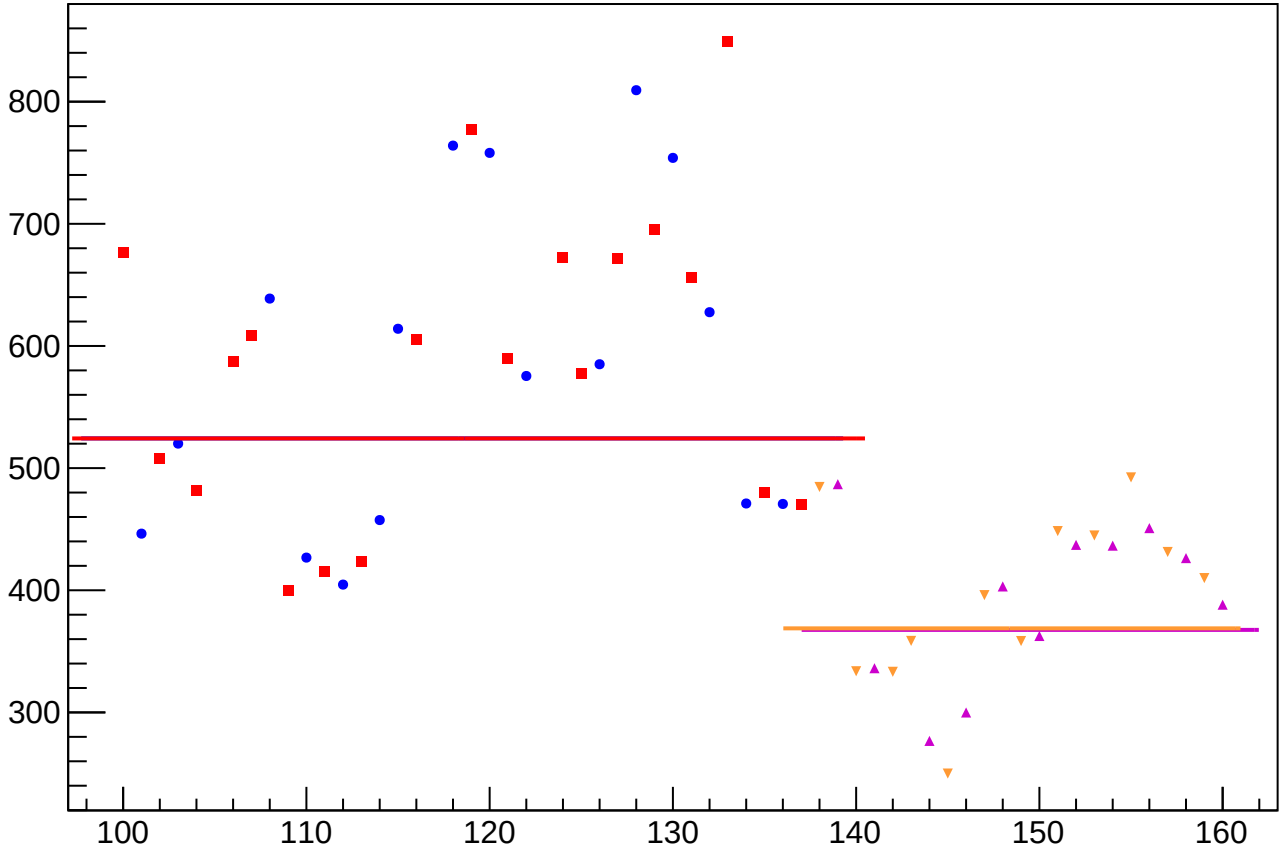
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 38.337+/-103.844 χ^2/NDF:29.5/26

Out: -331.206+/-103.816 χ^2/NDF:57.5/30

All: -146.485+/-73.419 χ^2/NDF: 93.4/57

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: 367.570+/-0.086 χ^2/NDF:588299.6/10

Left: 368.191+/-0.061 χ^2/NDF: 1337091.0/22

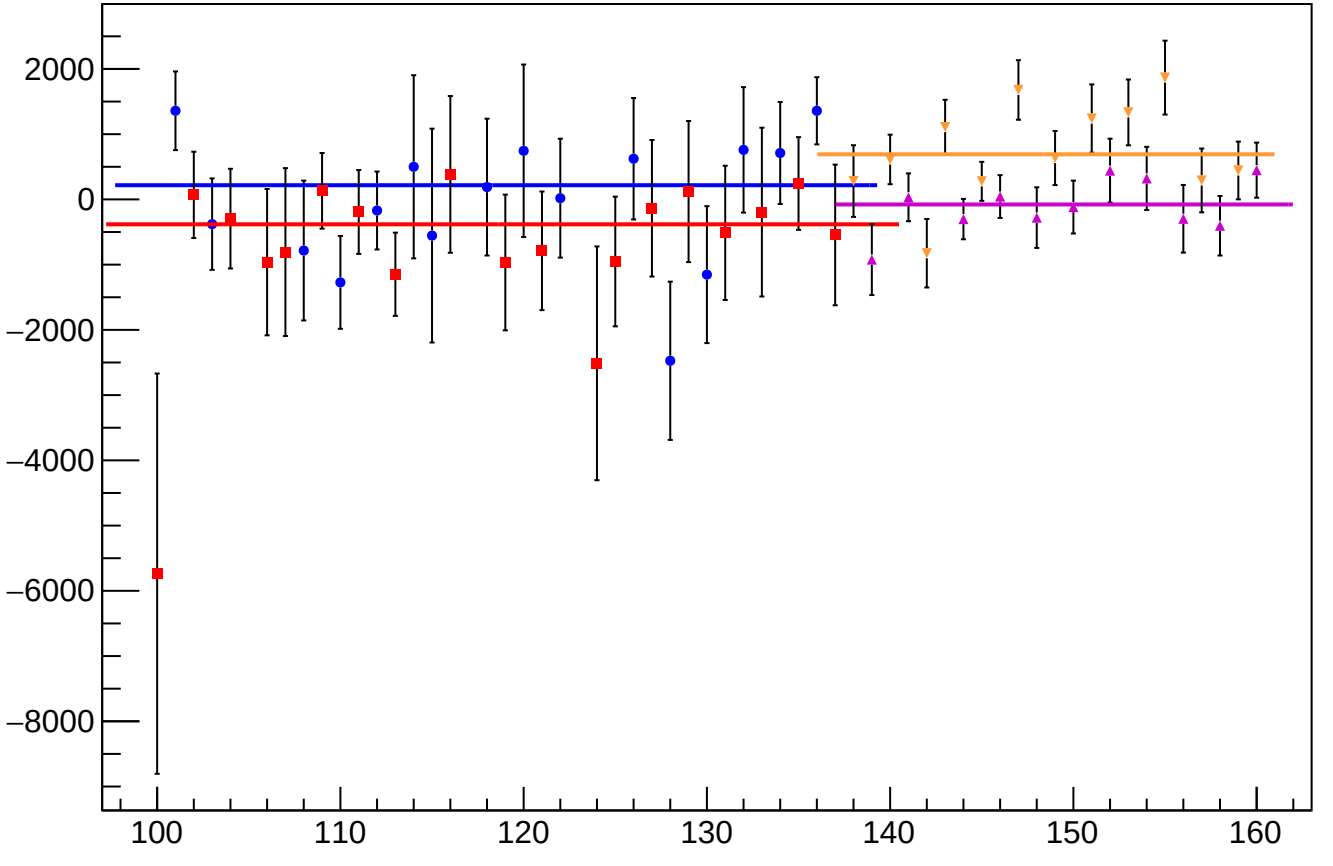
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 409.576+/-0.073 χ^2/NDF:2140768.1/26

Out: 411.998+/-0.073 χ^2/NDF:2334614.0/30

All: 410.787+/-0.052 χ^2/NDF: 4475926.2/57

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: -77.463+/-125.145 χ^2/NDF:7.4/10

Left: 299.412+/-89.345 χ^2/NDF: 50.5/22

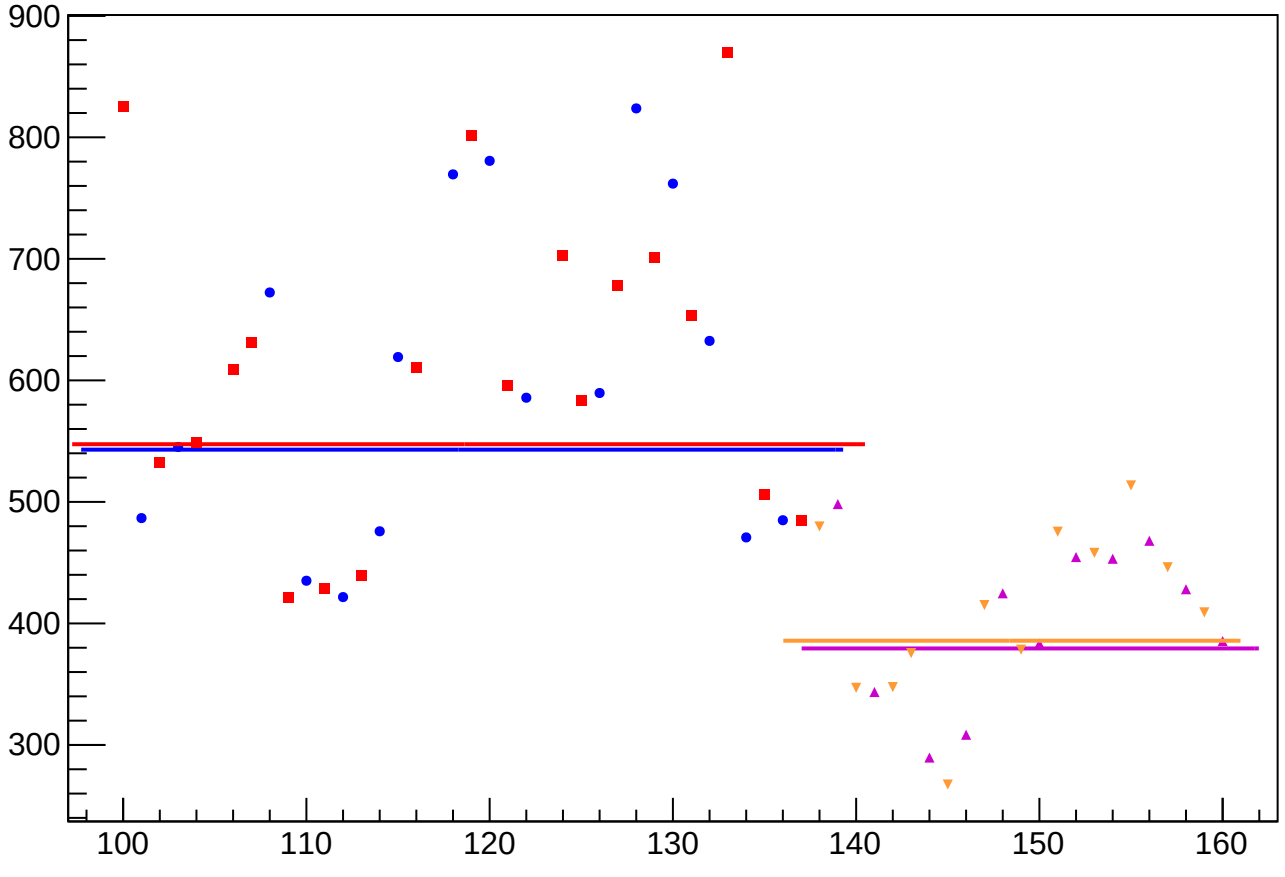
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 1.283+/-107.162 χ^2/NDF:31.8/26

Out: 392.804+/-108.413 χ^2/NDF:54.2/30

All: 194.771+/-76.214 χ^2/NDF: 92.6/57

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: 379.421+/-0.088 χ^2/NDF:571353.3/10

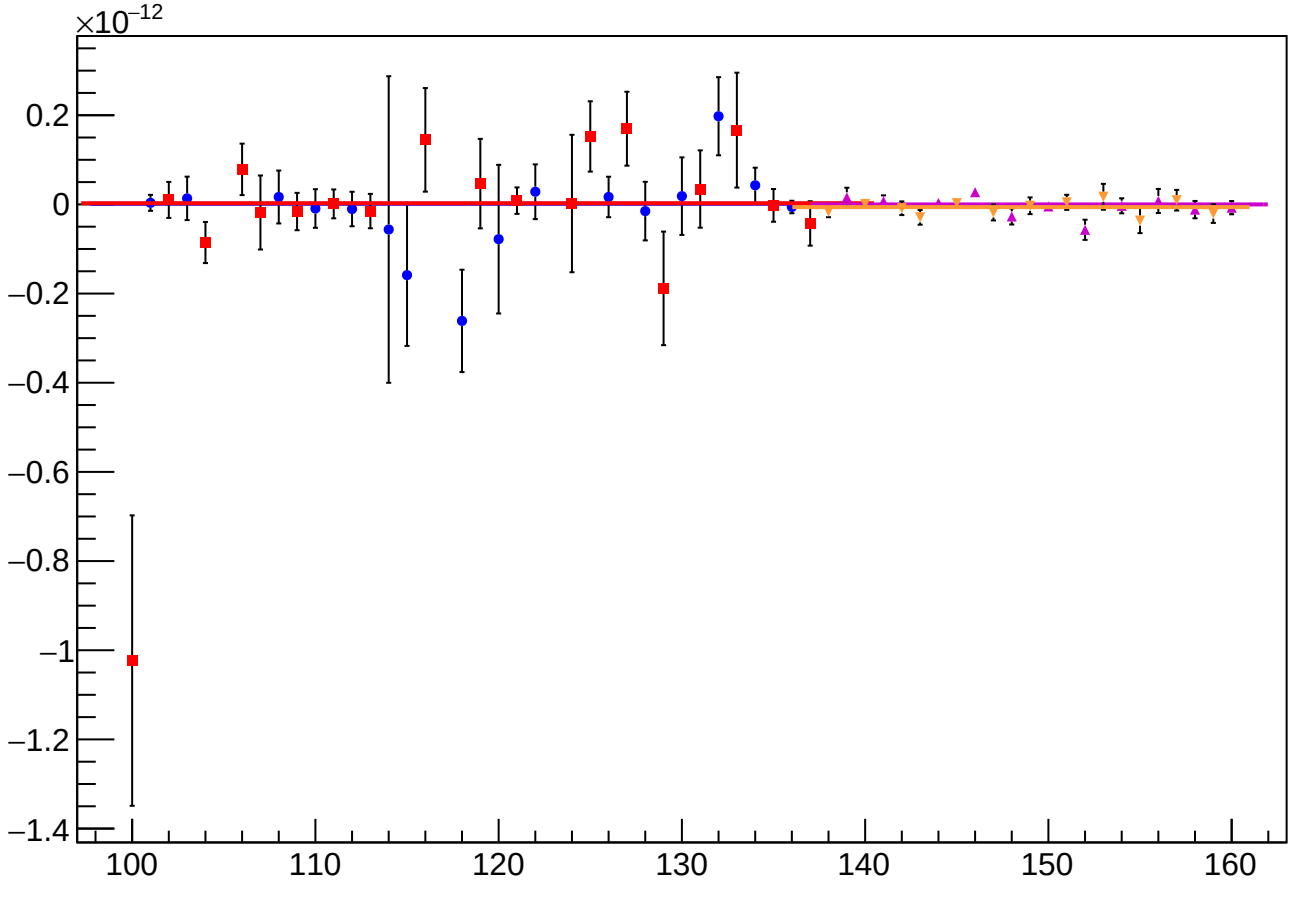
Left: 382.535+/-0.063 χ^2/NDF: 1225468.4/22

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 423.053+/-0.076 χ^2/NDF:2088041.2/26

Out: 430.737+/-0.077 χ^2/NDF:2174997.0/30

All: 426.850+/-0.054 χ^2/NDF: 4268119.6/57



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:16.6/10

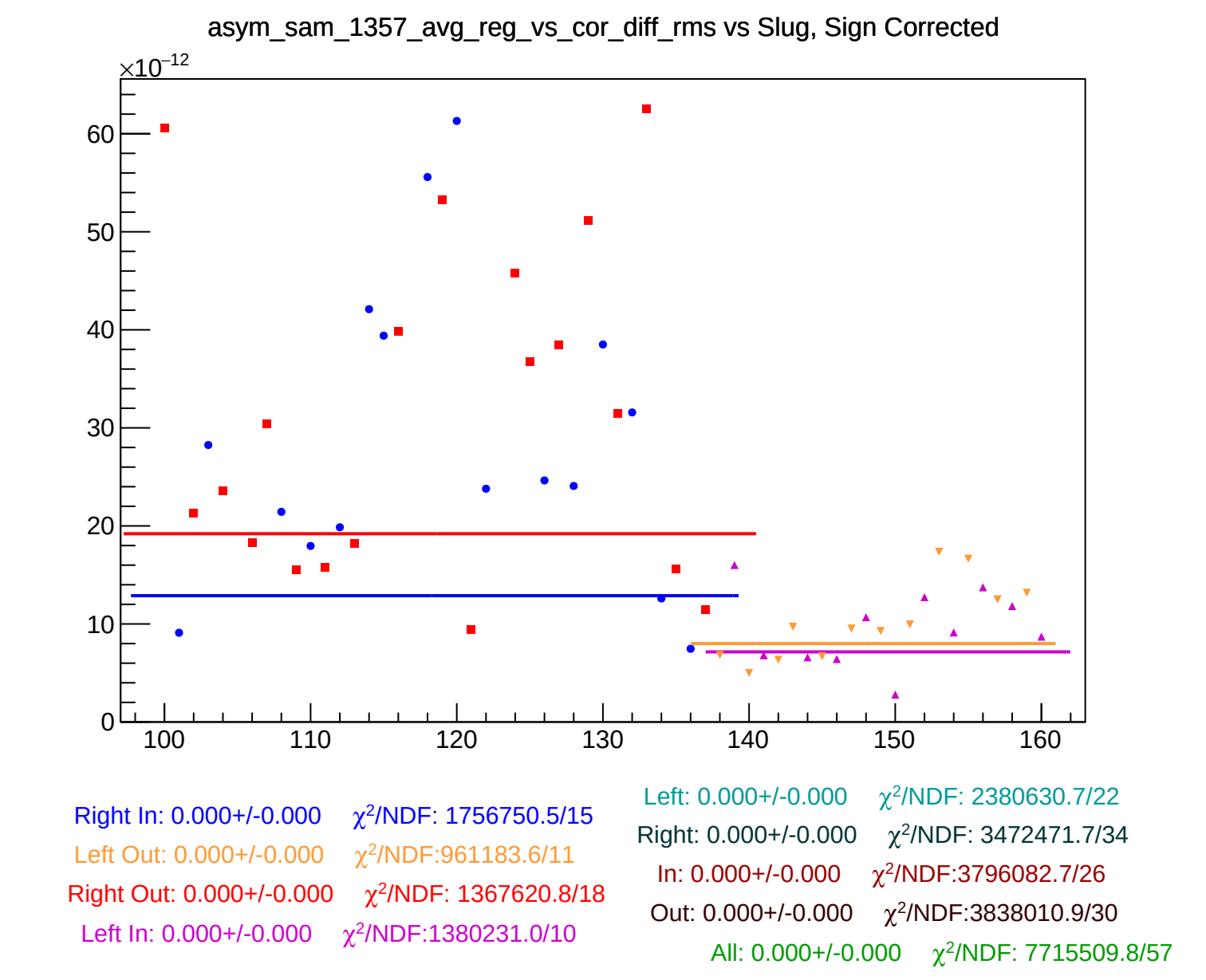
Left: -0.000+/-0.000 χ^2/NDF: 25.1/22

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

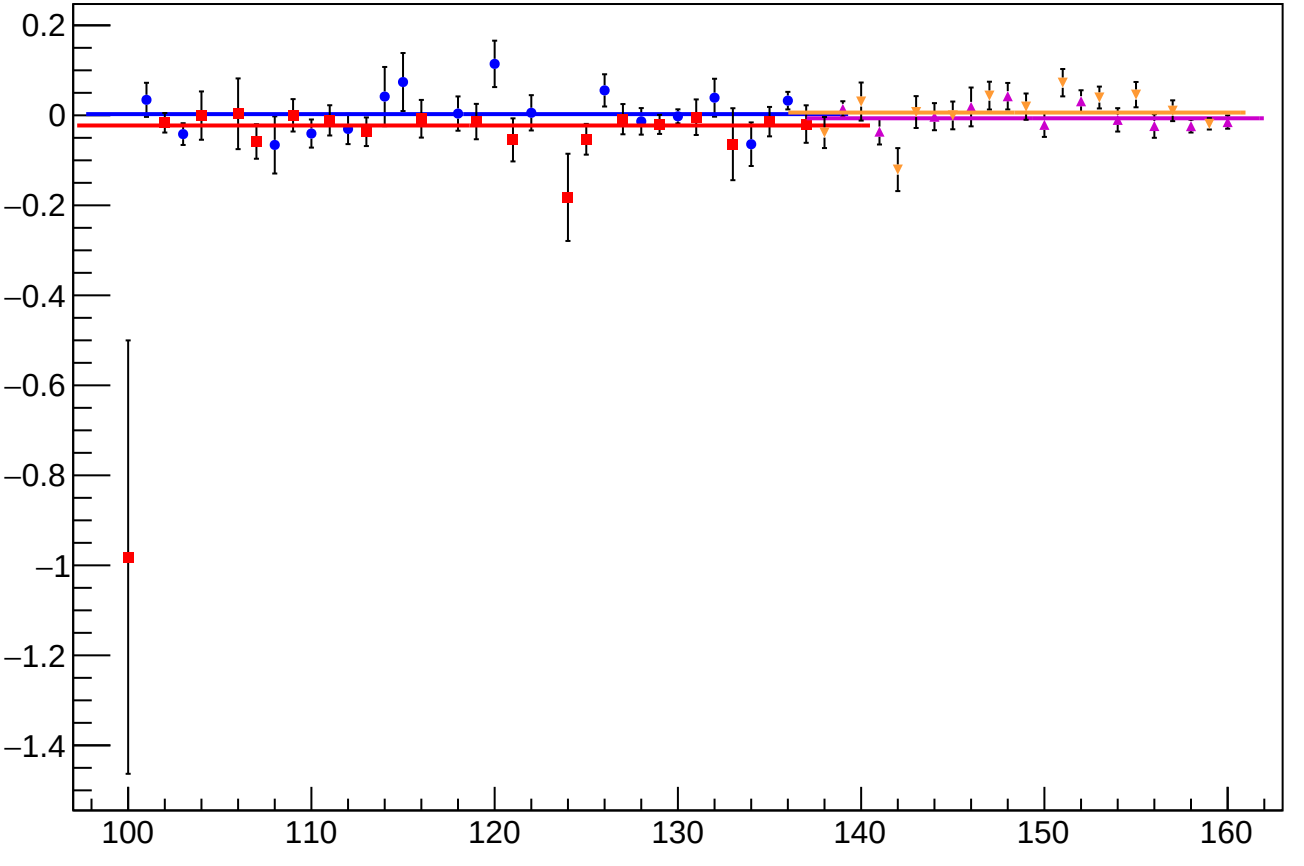
In: 0.000+/-0.000 χ^2/NDF:30.2/26

Out: -0.000+/-0.000 χ^2/NDF:38.1/30

All: -0.000+/-0.000 χ^2/NDF: 69.1/57


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:1380231.0/10
Left: 0.000+/-0.000 χ²/NDF: 2380630.7/22
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3796082.7/26
Out: 0.000+/-0.000 χ²/NDF:3838010.9/30
All: 0.000+/-0.000 χ²/NDF: 7715509.8/57

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: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: -0.001+/-0.005 χ^2/NDF: 35.7/22

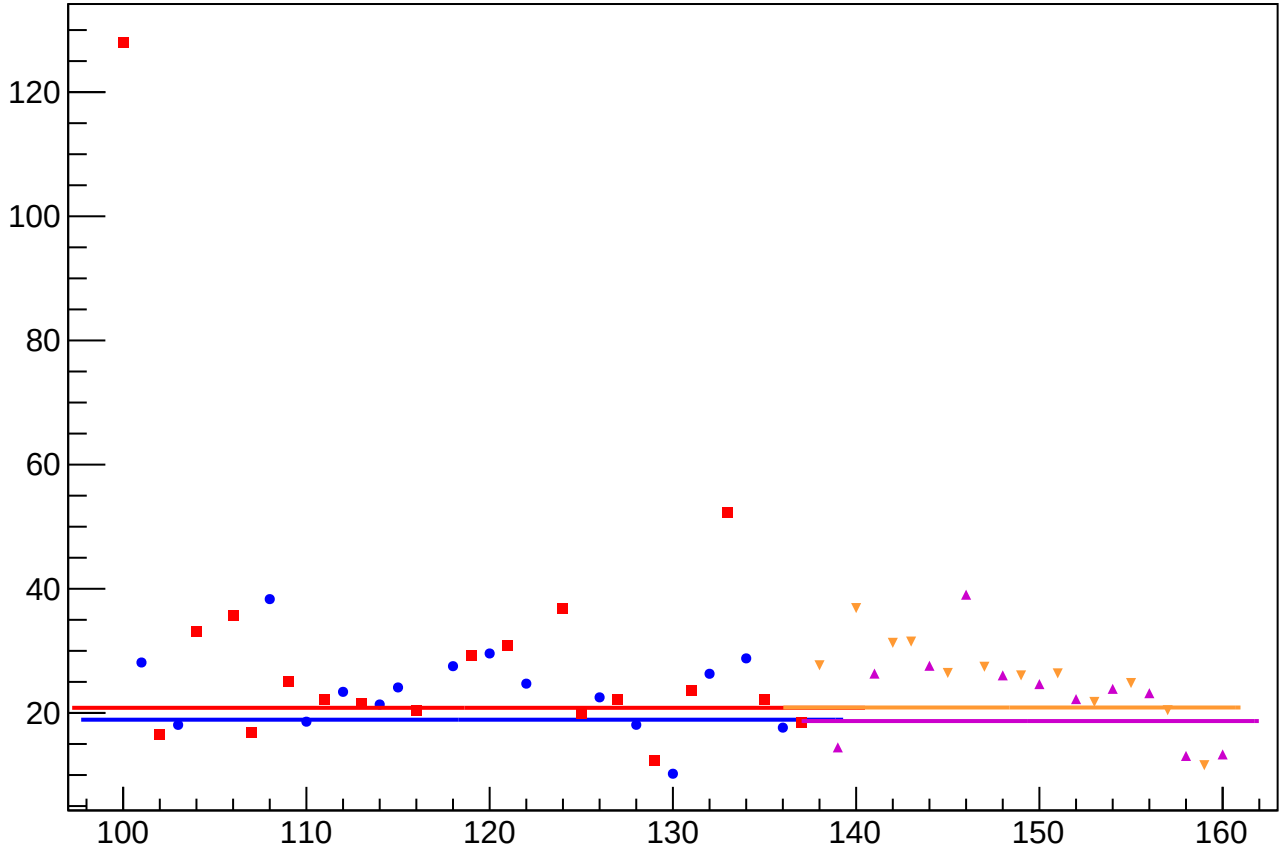
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.006+/-0.006 χ^2/NDF:40.6/30

All: -0.004+/-0.004 χ^2/NDF: 74.3/57

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: 18.693+/-0.005 χ^2/NDF:1867148.3/10

Left: 19.654+/-0.003 χ^2/NDF: 4007480.6/22

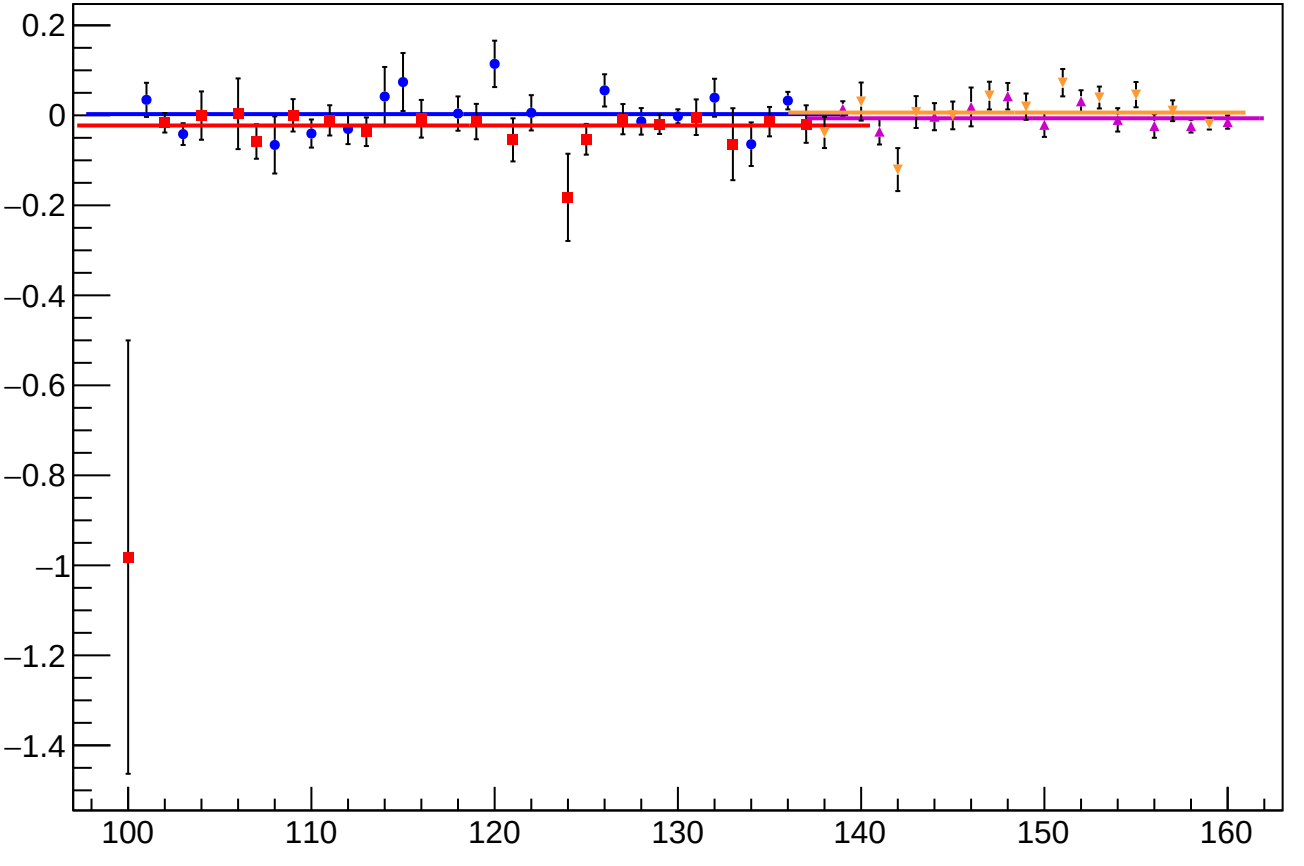
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.784+/-0.004 χ^2/NDF:3258407.4/26

Out: 20.855+/-0.004 χ^2/NDF:3335398.8/30

All: 19.713+/-0.003 χ^2/NDF: 6745493.2/57

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: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: -0.001+/-0.005 χ^2/NDF: 35.7/22

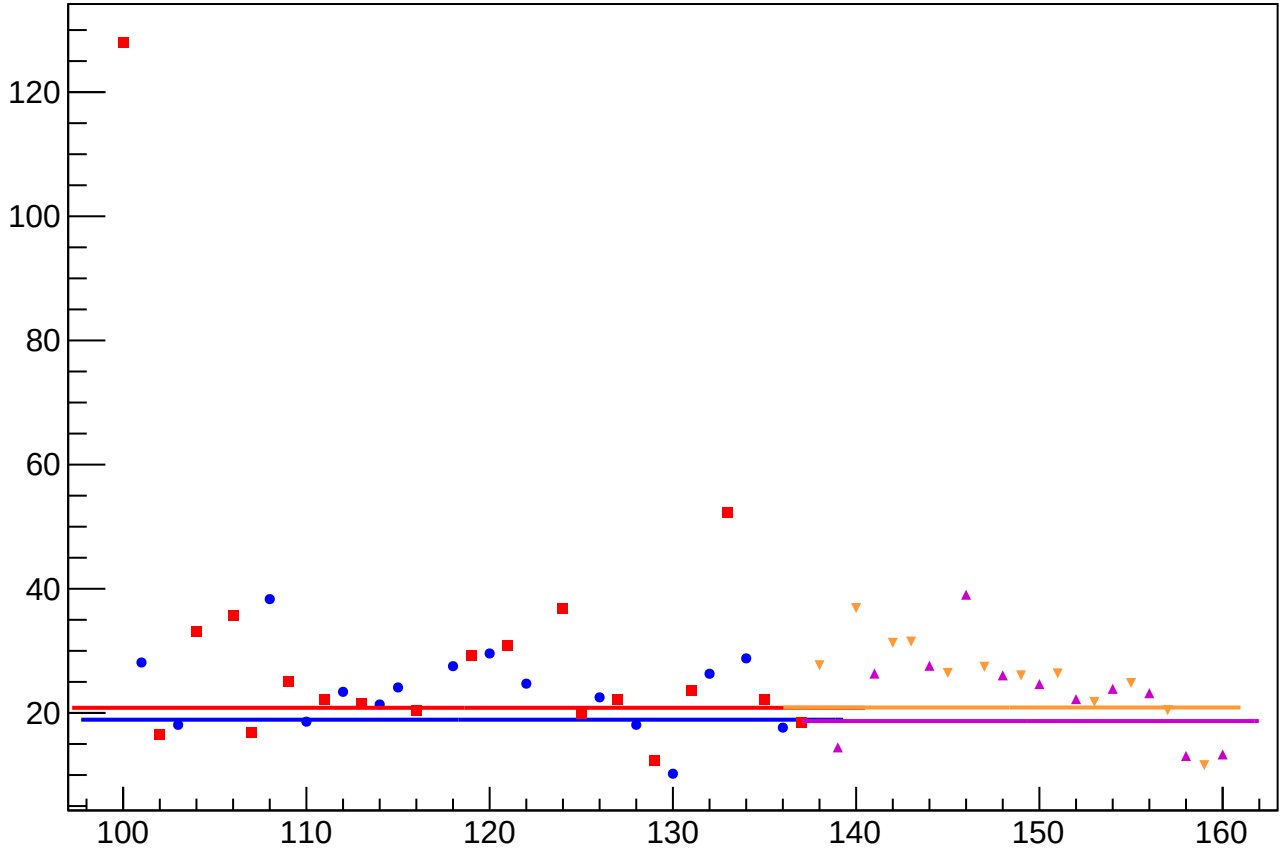
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.006+/-0.006 χ^2/NDF:40.6/30

All: -0.004+/-0.004 χ^2/NDF: 74.3/57

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: 18.693+/-0.005 χ^2/NDF:1867148.3/10

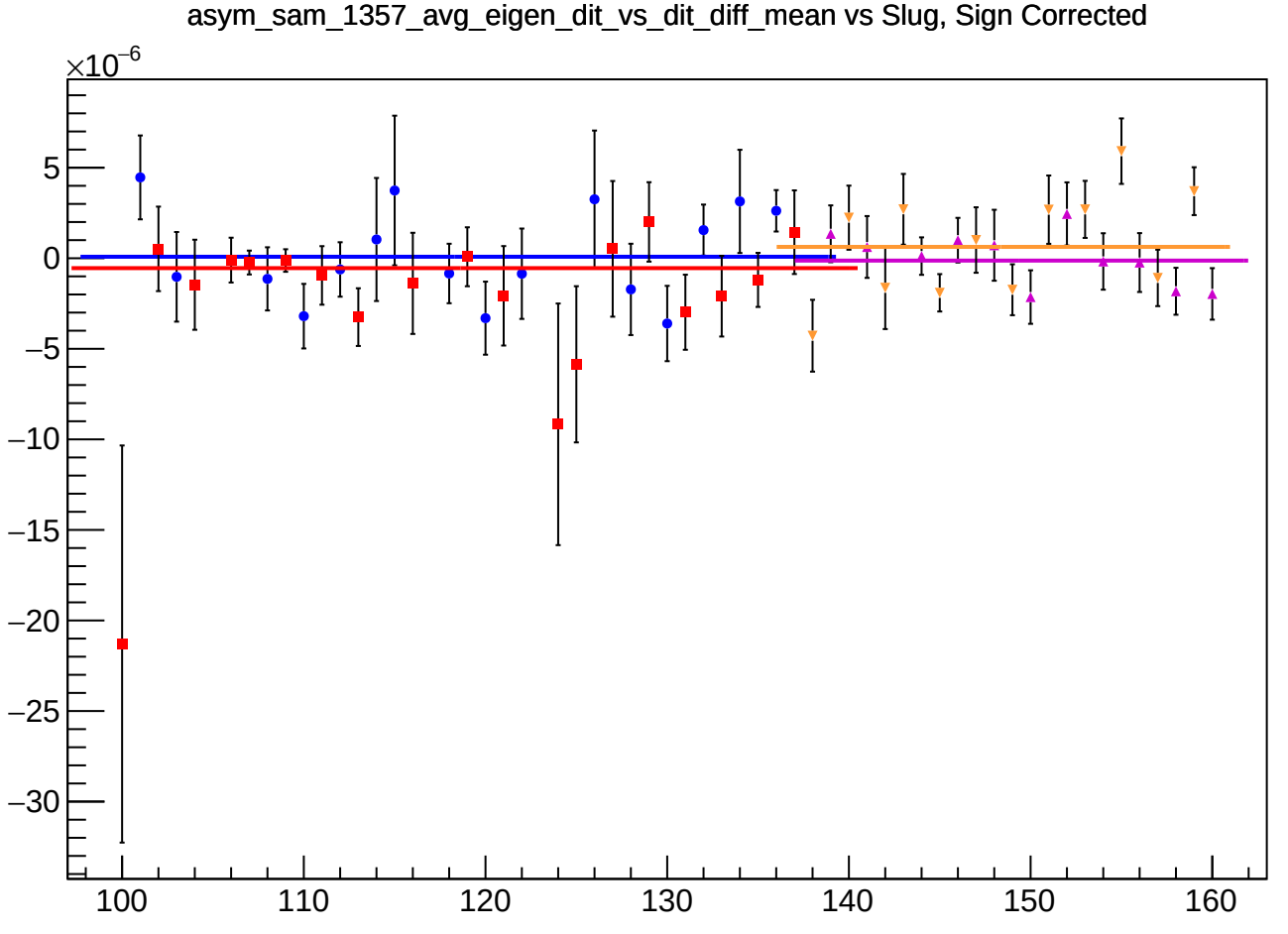
Left: 19.654+/-0.003 χ^2/NDF: 4007480.6/22

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.784+/-0.004 χ^2/NDF:3258407.4/26

Out: 20.855+/-0.004 χ^2/NDF:3335398.8/30

All: 19.713+/-0.003 χ^2/NDF: 6745493.2/57



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:9.6/10

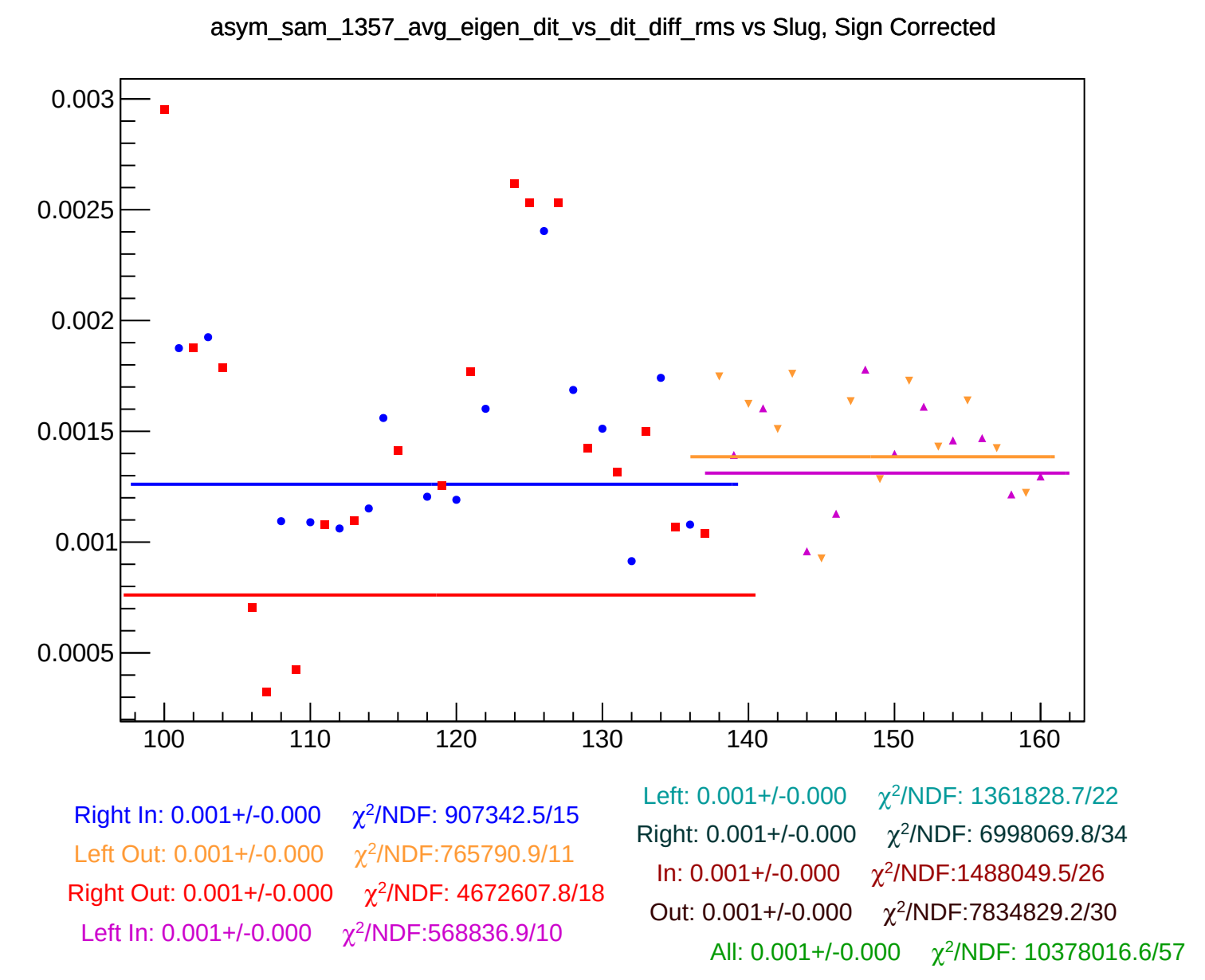
Left: 0.000+/-0.000 χ^2/NDF: 47.1/22

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

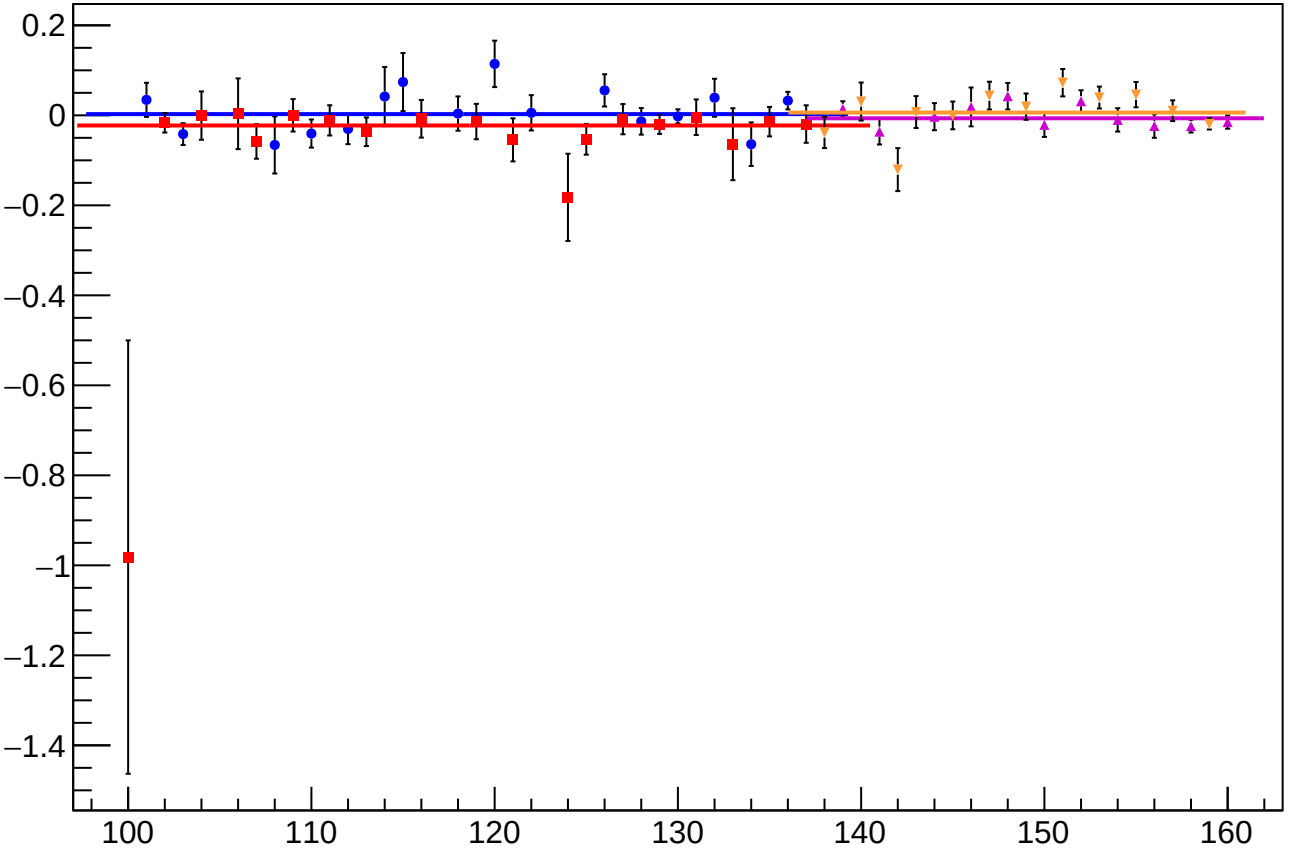
In: -0.000+/-0.000 χ^2/NDF:33.2/26

Out: -0.000+/-0.000 χ^2/NDF:55.9/30

All: -0.000+/-0.000 χ^2/NDF: 89.2/57


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:765790.9/11
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:568836.9/10
Left: 0.001+/-0.000 χ²/NDF: 1361828.7/22
Right: 0.001+/-0.000 χ²/NDF: 6998069.8/34
In: 0.001+/-0.000 χ²/NDF:1488049.5/26
Out: 0.001+/-0.000 χ²/NDF:7834829.2/30
All: 0.001+/-0.000 χ²/NDF: 10378016.6/57

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: -0.001+/-0.005 χ^2/NDF: 35.7/22

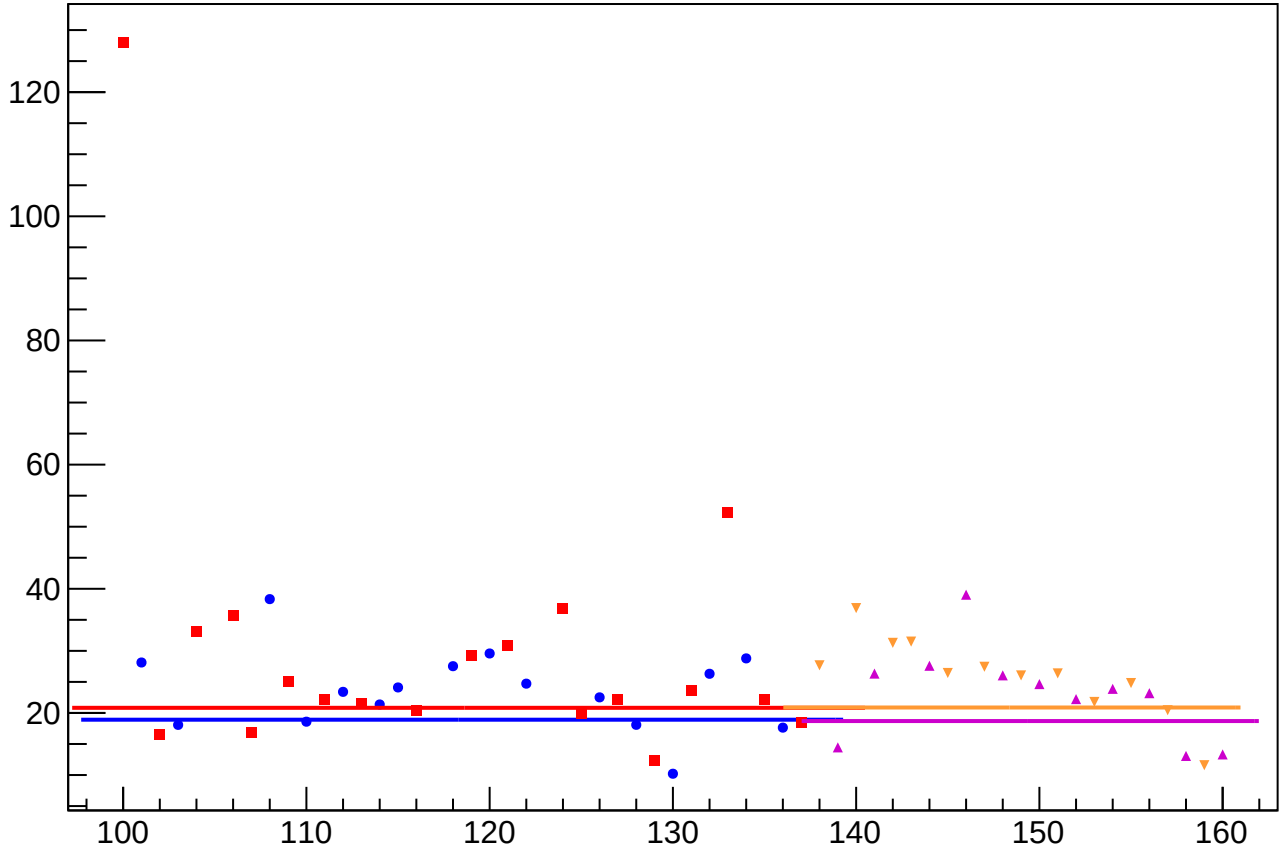
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.006+/-0.006 χ^2/NDF:40.7/30

All: -0.004+/-0.004 χ^2/NDF: 74.3/57

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: 18.694+/-0.005 χ^2/NDF:1867245.9/10

Left: 19.654+/-0.003 χ^2/NDF: 4007750.2/22

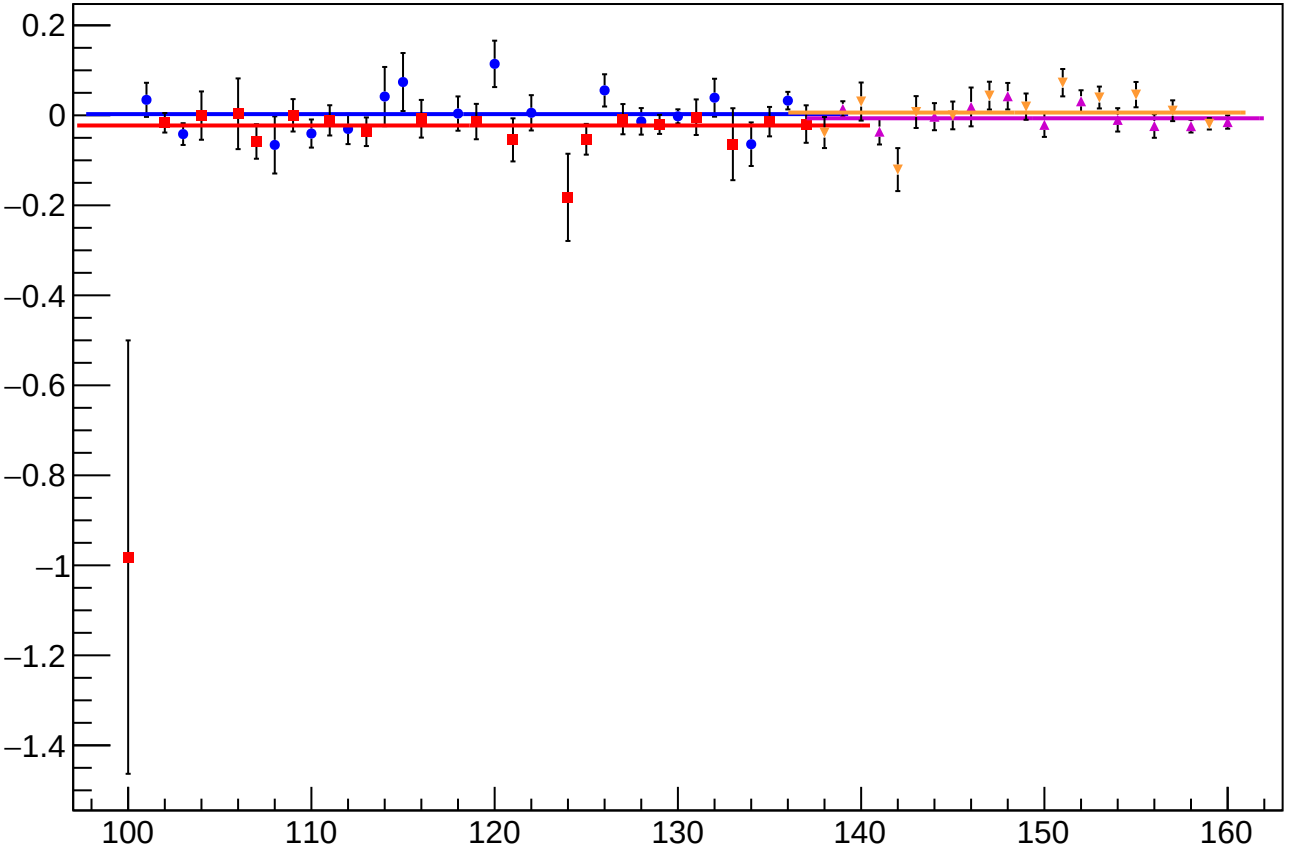
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.784+/-0.004 χ^2/NDF:3258391.2/26

Out: 20.855+/-0.004 χ^2/NDF:3335573.7/30

All: 19.714+/-0.003 χ^2/NDF: 6745632.3/57

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: -0.001+/-0.005 χ^2/NDF: 35.7/22

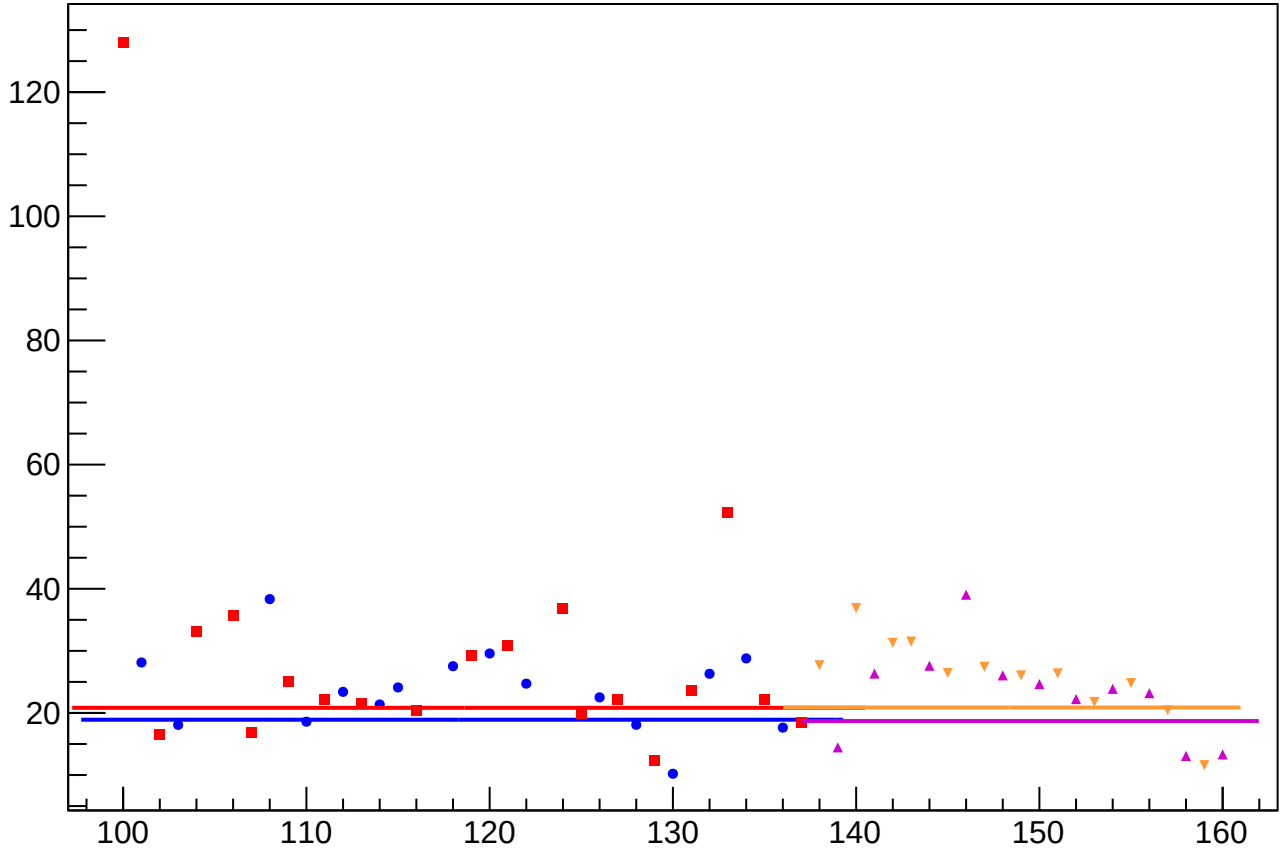
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.006+/-0.006 χ^2/NDF:40.7/30

All: -0.004+/-0.004 χ^2/NDF: 74.3/57

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: 18.694+/-0.005 χ^2/NDF:1867245.9/10

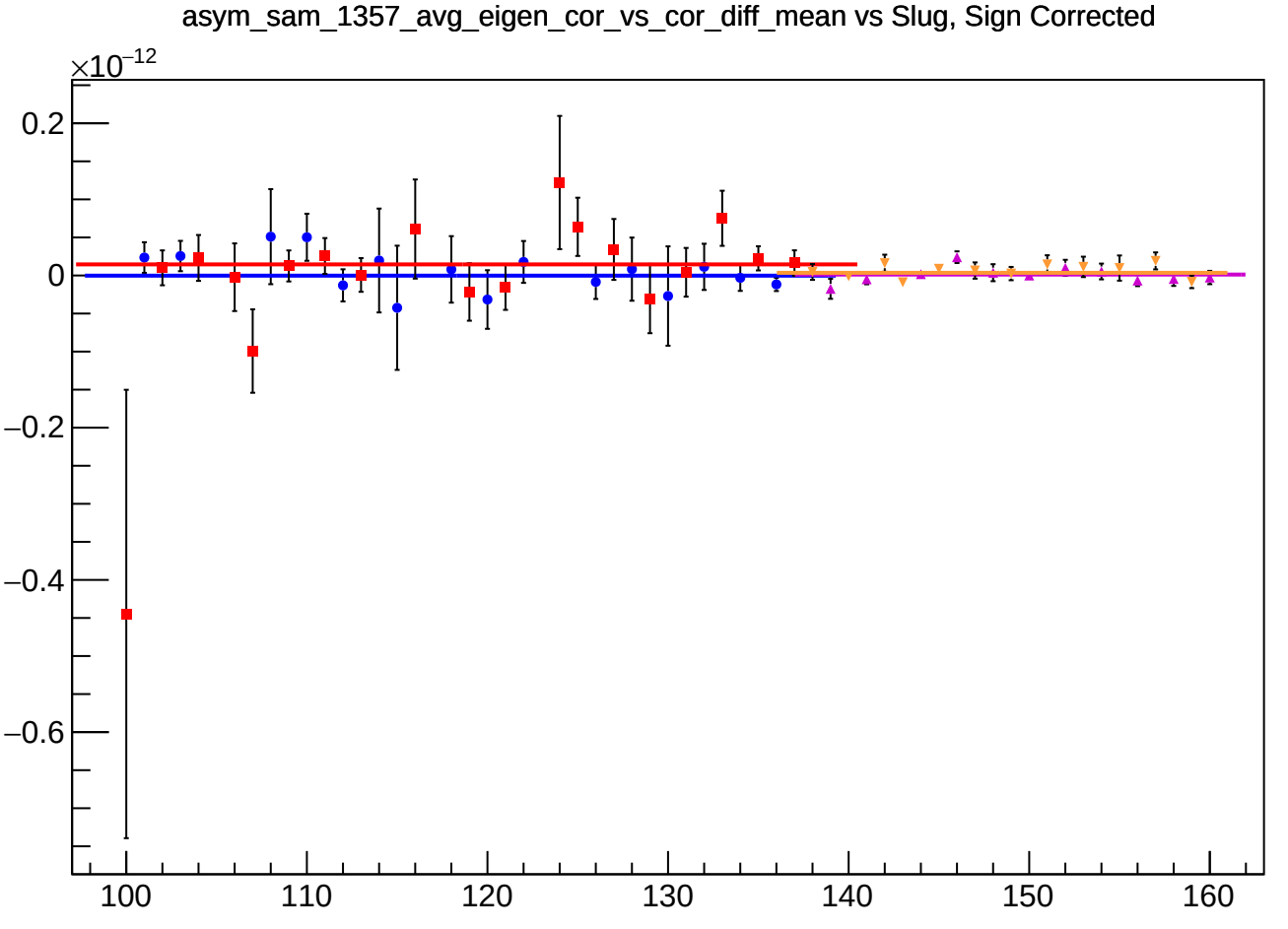
Left: 19.654+/-0.003 χ^2/NDF: 4007750.2/22

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.784+/-0.004 χ^2/NDF:3258391.2/26

Out: 20.855+/-0.004 χ^2/NDF:3335573.7/30

All: 19.714+/-0.003 χ^2/NDF: 6745632.3/57



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:14.5/10

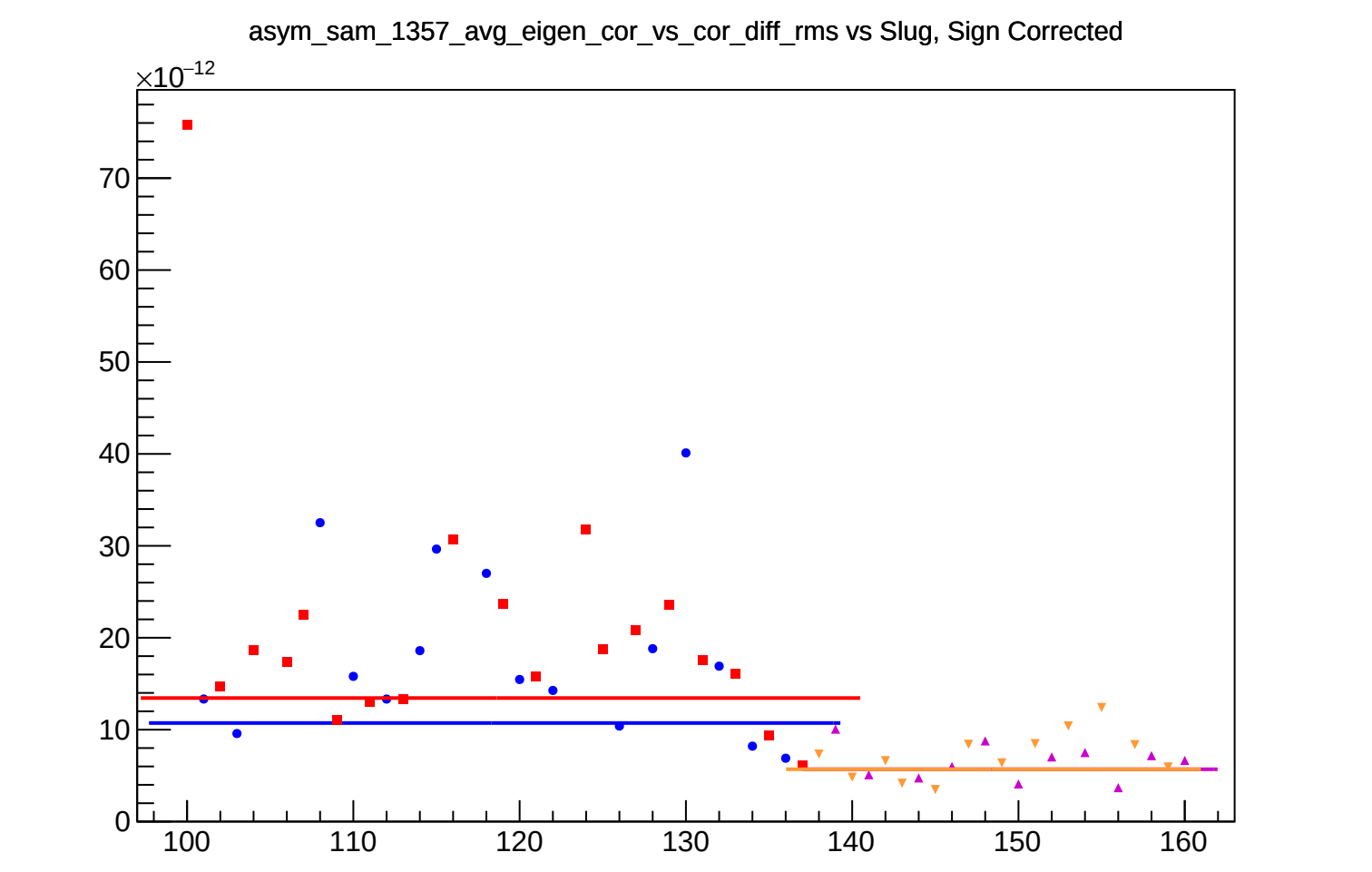
Left: 0.000+/-0.000 χ^2/NDF: 27.2/22

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.1/26

Out: 0.000+/-0.000 χ^2/NDF:32.4/30

All: 0.000+/-0.000 χ^2/NDF: 58.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1553089.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:883338.4/10

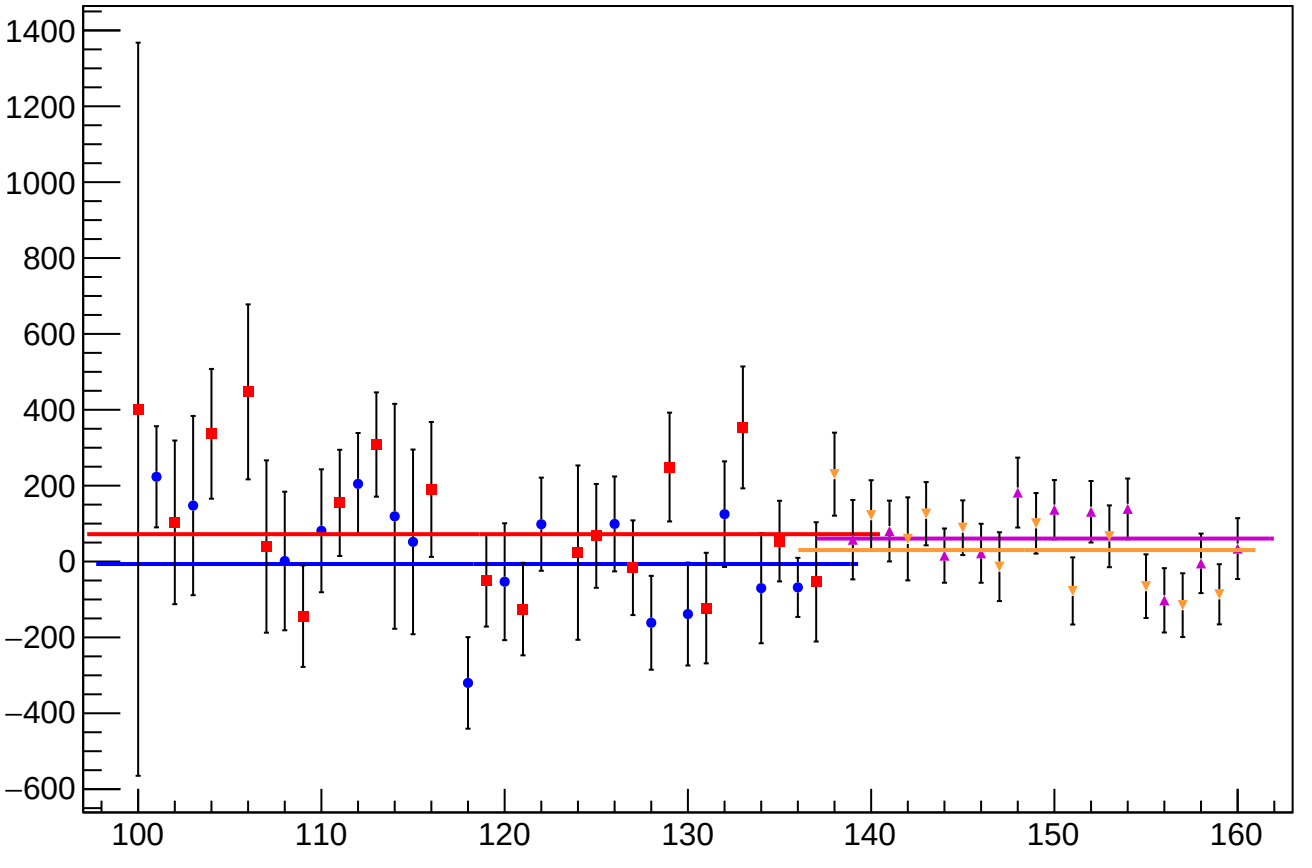
Left: 0.000+/-0.000 χ^2/NDF: 2436428.3/22

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:4073369.9/26

Out: 0.000+/-0.000 χ^2/NDF:5424510.6/30

All: 0.000+/-0.000 χ^2/NDF: 9501274.2/57



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: 60.520+/-24.582 χ^2/NDF:9.6/10

Left: 45.516+/-17.473 χ^2/NDF: 25.9/22

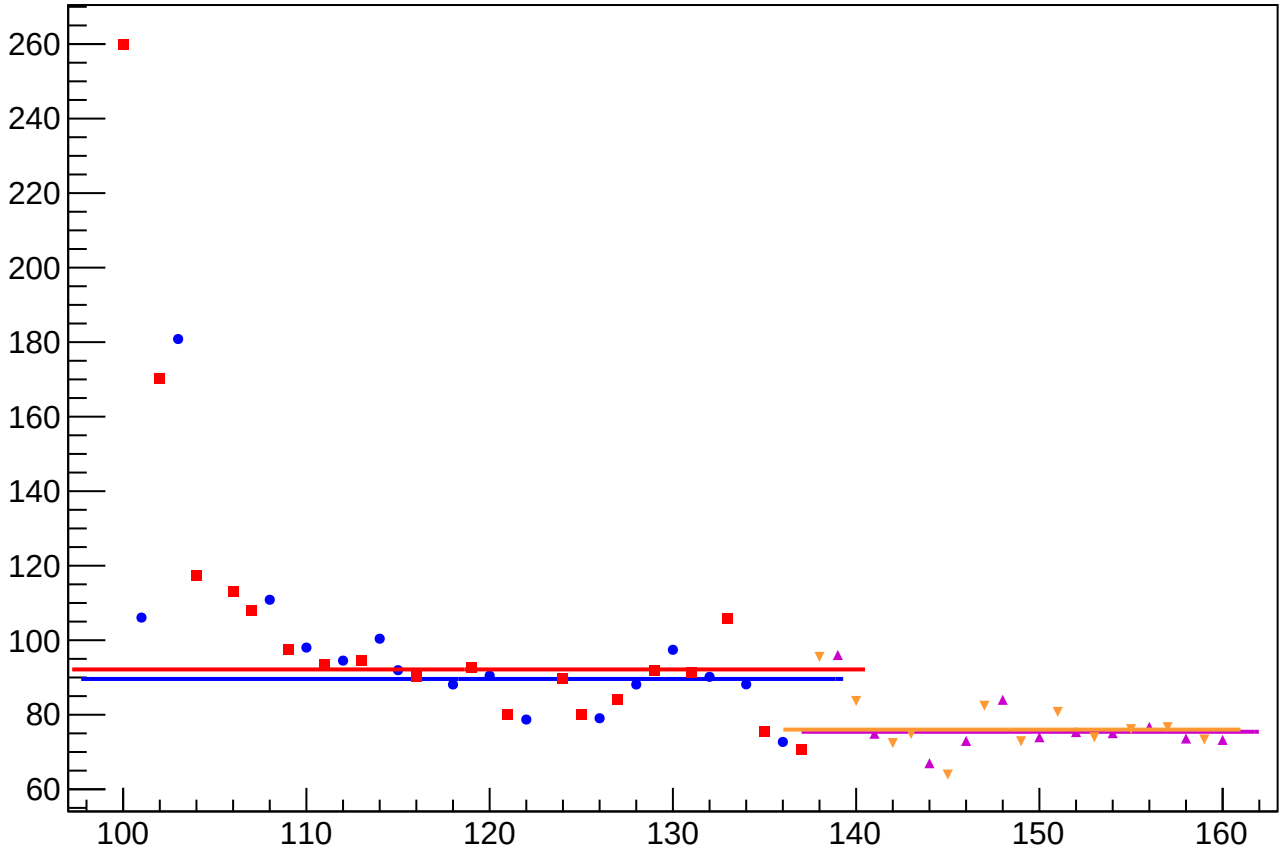
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 37.746+/-19.978 χ^2/NDF:31.0/26

Out: 44.303+/-20.234 χ^2/NDF:39.3/30

All: 40.983+/-14.216 χ^2/NDF: 70.4/57

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 75.431+/-0.017 χ^2/NDF:128617.1/10

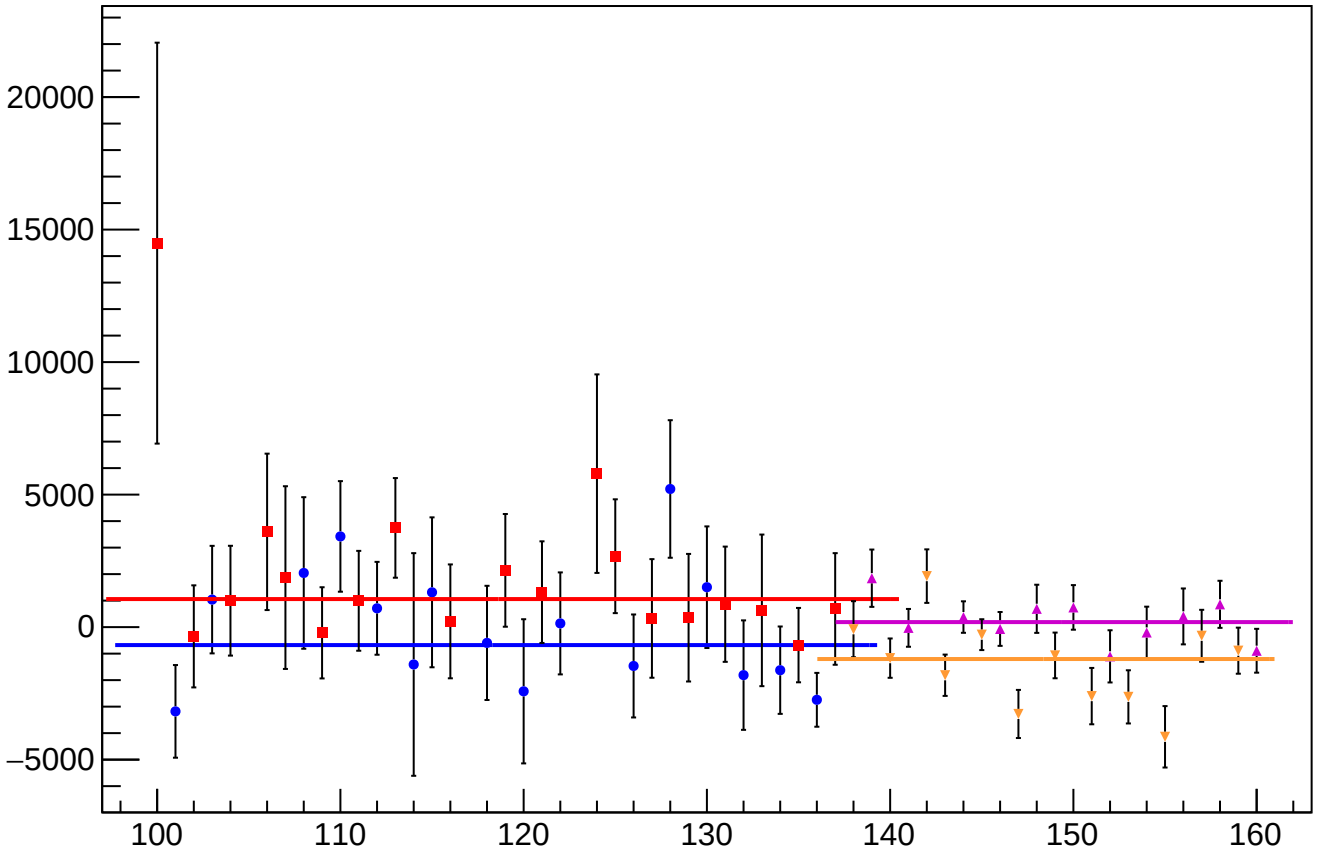
Left: 75.721+/-0.012 χ^2/NDF: 287920.4/22

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.243+/-0.014 χ^2/NDF:852721.0/26

Out: 81.449+/-0.014 χ^2/NDF:985083.3/30

All: 80.838+/-0.010 χ^2/NDF: 1841401.4/57



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: 189.842+/-246.629 χ^2/NDF:7.6/10

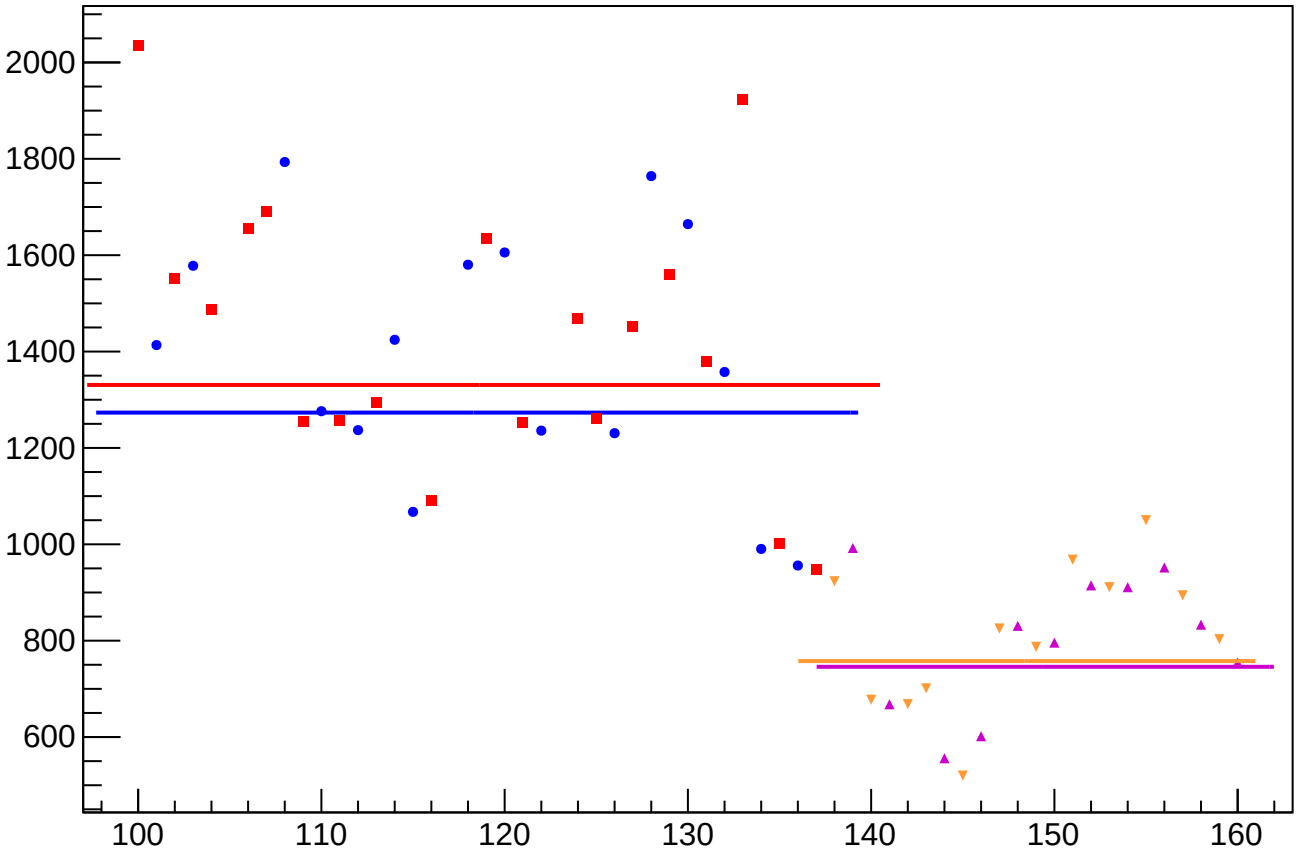
Left: -493.915+/-176.019 χ^2/NDF: 53.5/22

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 12.526+/-219.975 χ^2/NDF:30.4/26

Out: -742.165+/-224.197 χ^2/NDF:58.2/30

All: -357.646+/-157.017 χ^2/NDF: 94.4/57



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: 745.774+/-0.174 χ^2/NDF:670663.4/10

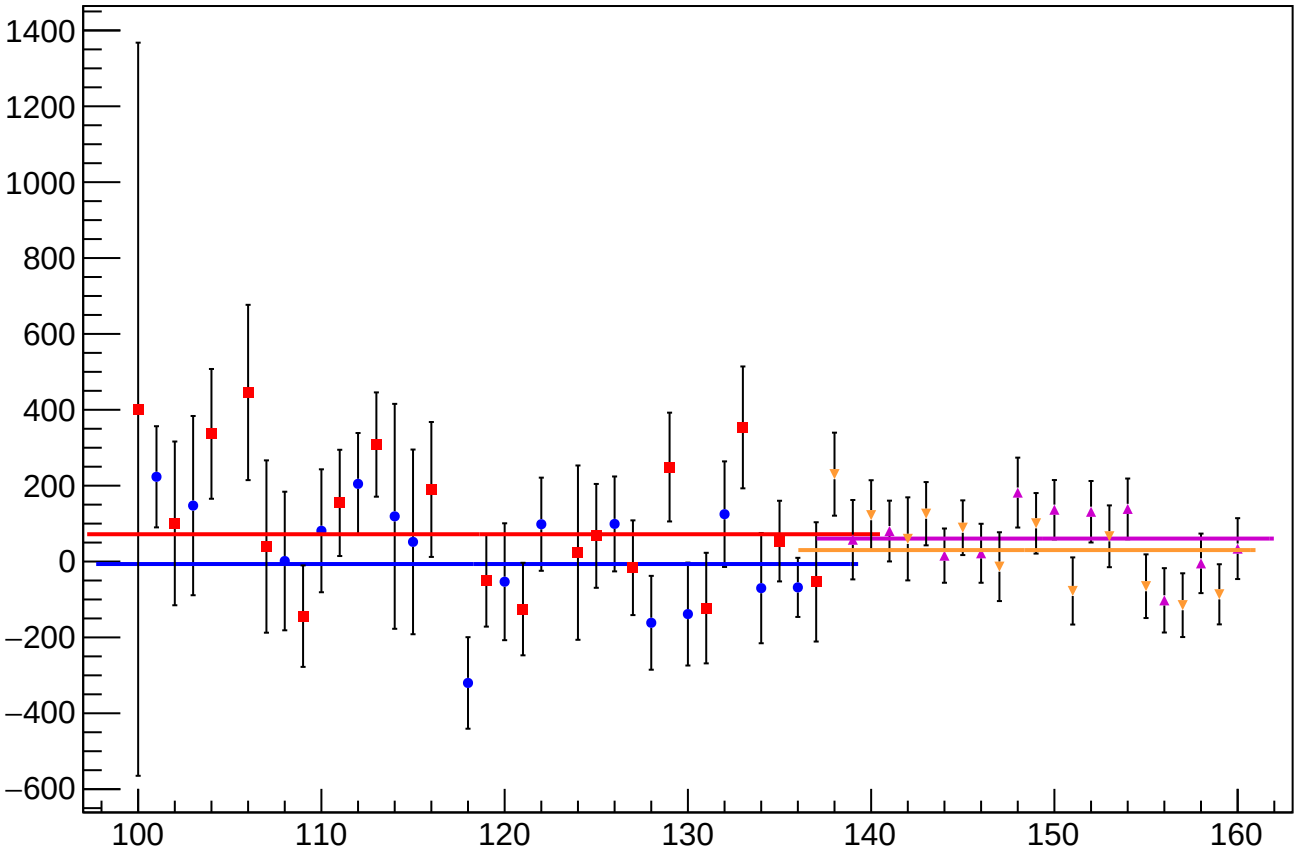
Left: 751.602+/-0.124 χ^2/NDF: 1415187.0/22

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 853.639+/-0.156 χ^2/NDF:3139241.0/26

Out: 874.565+/-0.159 χ^2/NDF:3334775.8/30

All: 863.903+/-0.111 χ^2/NDF: 6482893.8/57



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: 60.523+/-24.582 χ^2/NDF:9.6/10

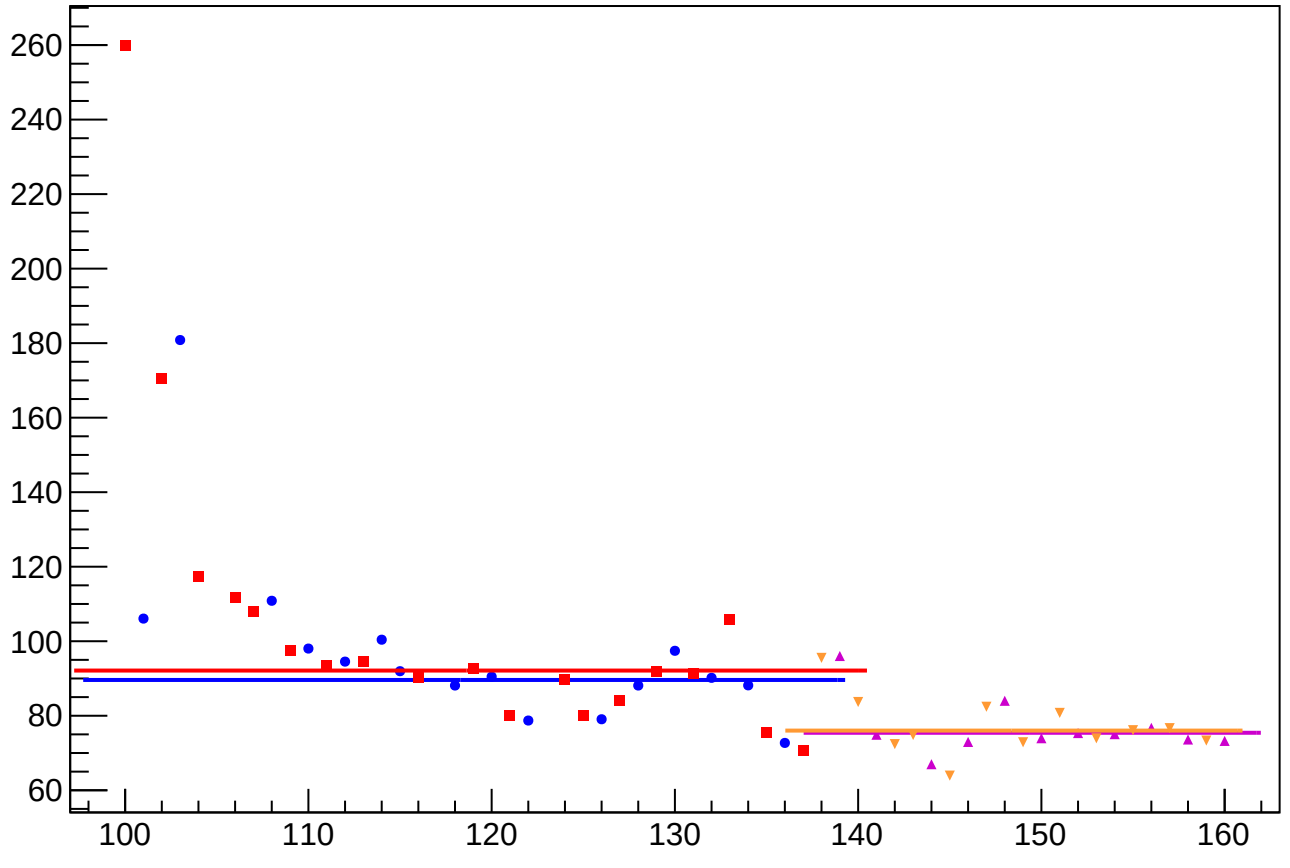
Left: 45.519+/-17.473 χ^2/NDF: 25.9/22

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.744+/-19.978 χ^2/NDF:31.0/26

Out: 44.256+/-20.234 χ^2/NDF:39.2/30

All: 40.959+/-14.216 χ^2/NDF: 70.3/57



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: 75.431+/-0.017 χ^2/NDF:128617.1/10

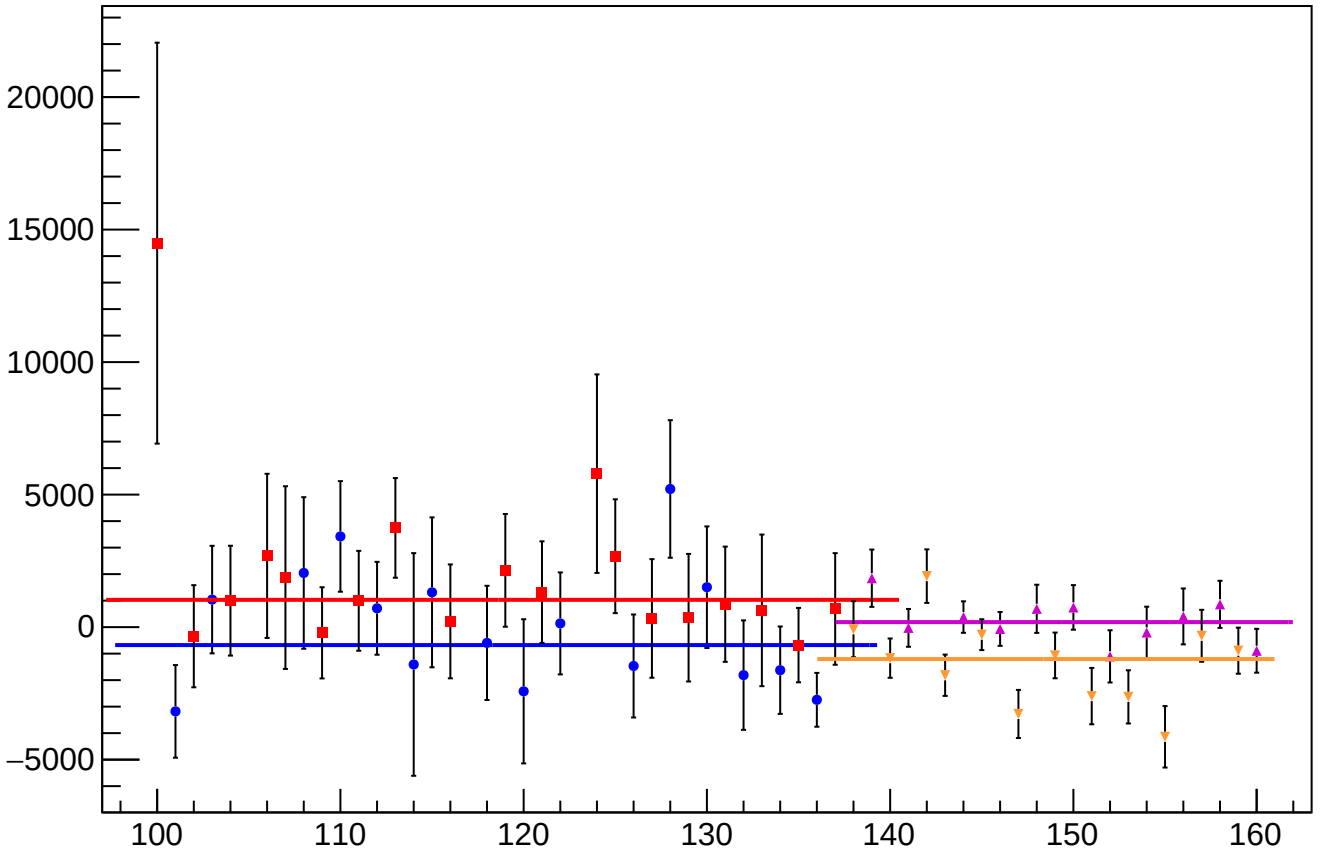
Left: 75.721+/-0.012 χ^2/NDF: 287920.4/22

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.243+/-0.014 χ^2/NDF:852724.5/26

Out: 81.437+/-0.014 χ^2/NDF:982178.3/30

All: 80.832+/-0.010 χ^2/NDF: 1838434.0/57



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: 189.847+/-246.629 χ^2/NDF:7.6/10

Left: -493.910+/-176.019 χ^2/NDF: 53.5/22

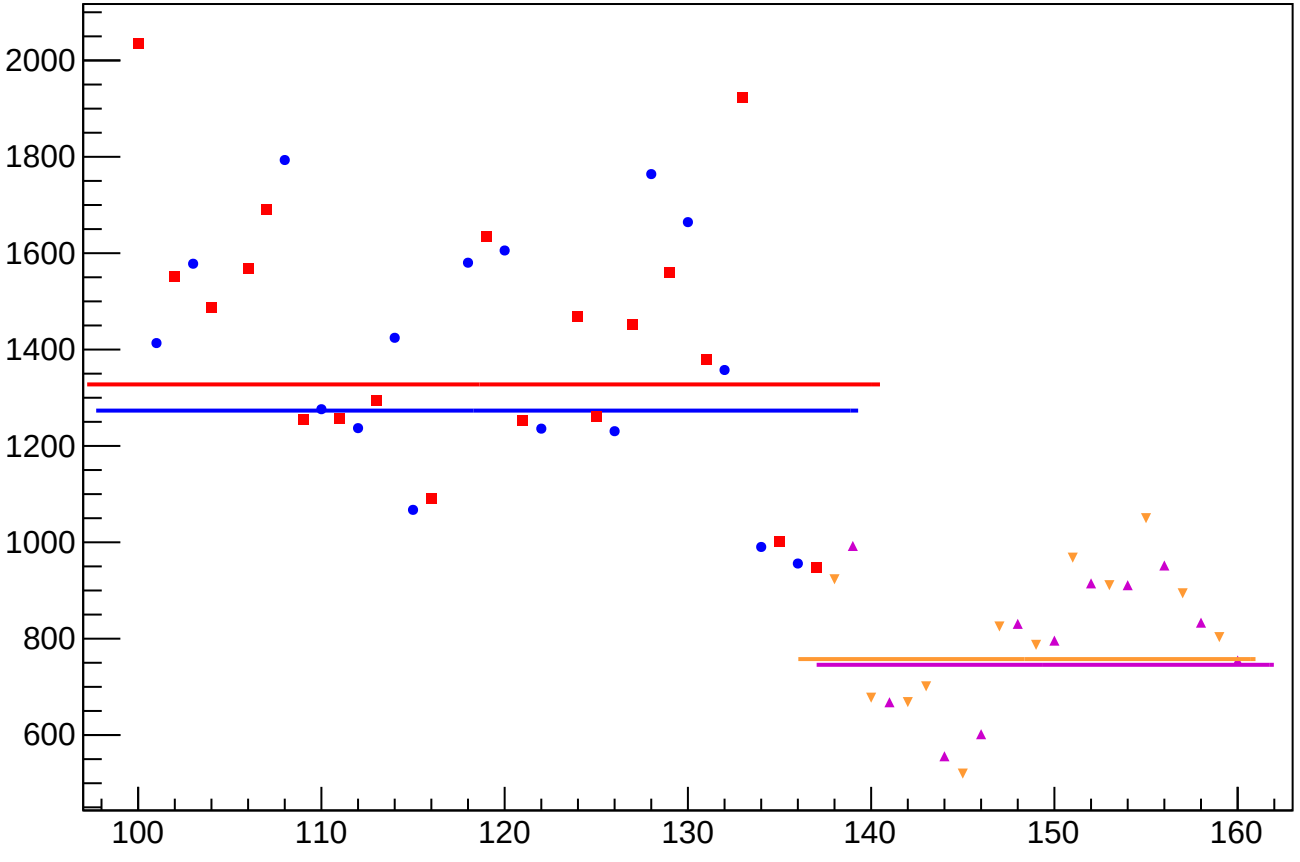
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 12.539+/-219.975 χ^2/NDF:30.4/26

Out: -749.126+/-224.258 χ^2/NDF:57.2/30

All: -360.950+/-157.038 χ^2/NDF: 93.6/57

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: 745.775+/-0.174 χ^2/NDF:670661.1/10

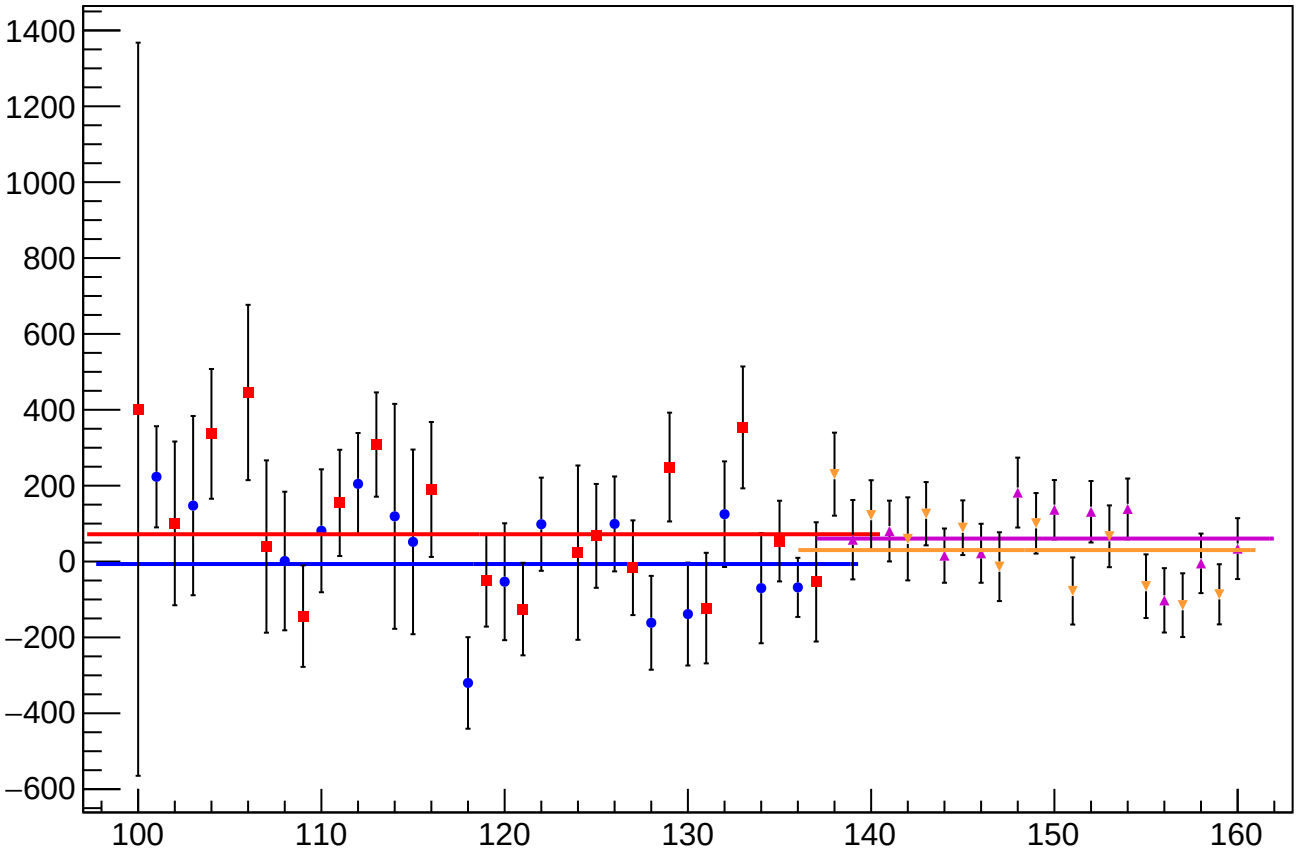
Left: 751.602+/-0.124 χ^2/NDF: 1415188.0/22

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 853.640+/-0.156 χ^2/NDF:3139276.9/26

Out: 873.699+/-0.159 χ^2/NDF:3295746.6/30

All: 863.476+/-0.111 χ^2/NDF: 6443178.9/57



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: 60.523+/-24.582 χ^2/NDF:9.6/10

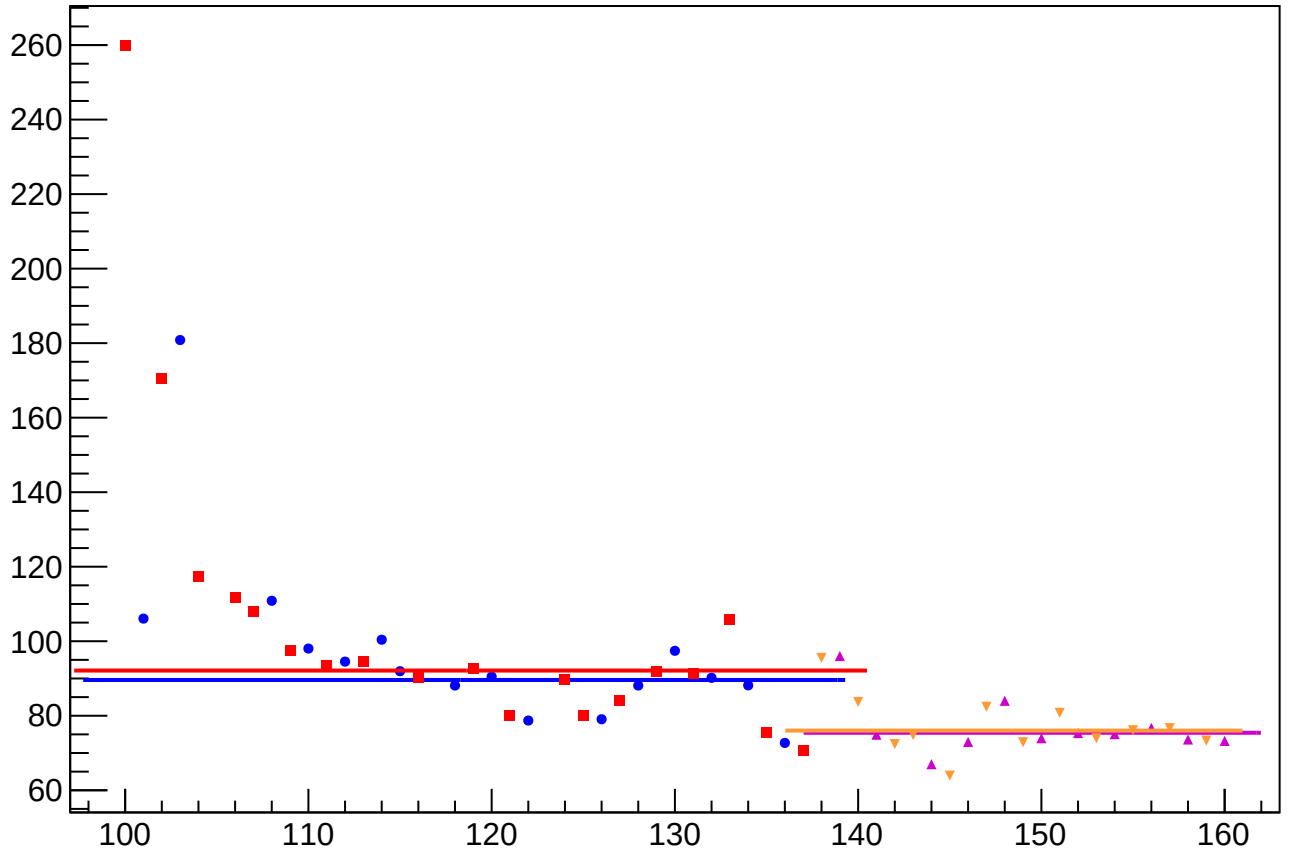
Left: 45.519+/-17.473 χ^2/NDF: 25.9/22

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.744+/-19.978 χ^2/NDF:31.0/26

Out: 44.256+/-20.234 χ^2/NDF:39.2/30

All: 40.959+/-14.216 χ^2/NDF: 70.3/57



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: 75.431+/-0.017 χ^2/NDF:128617.1/10

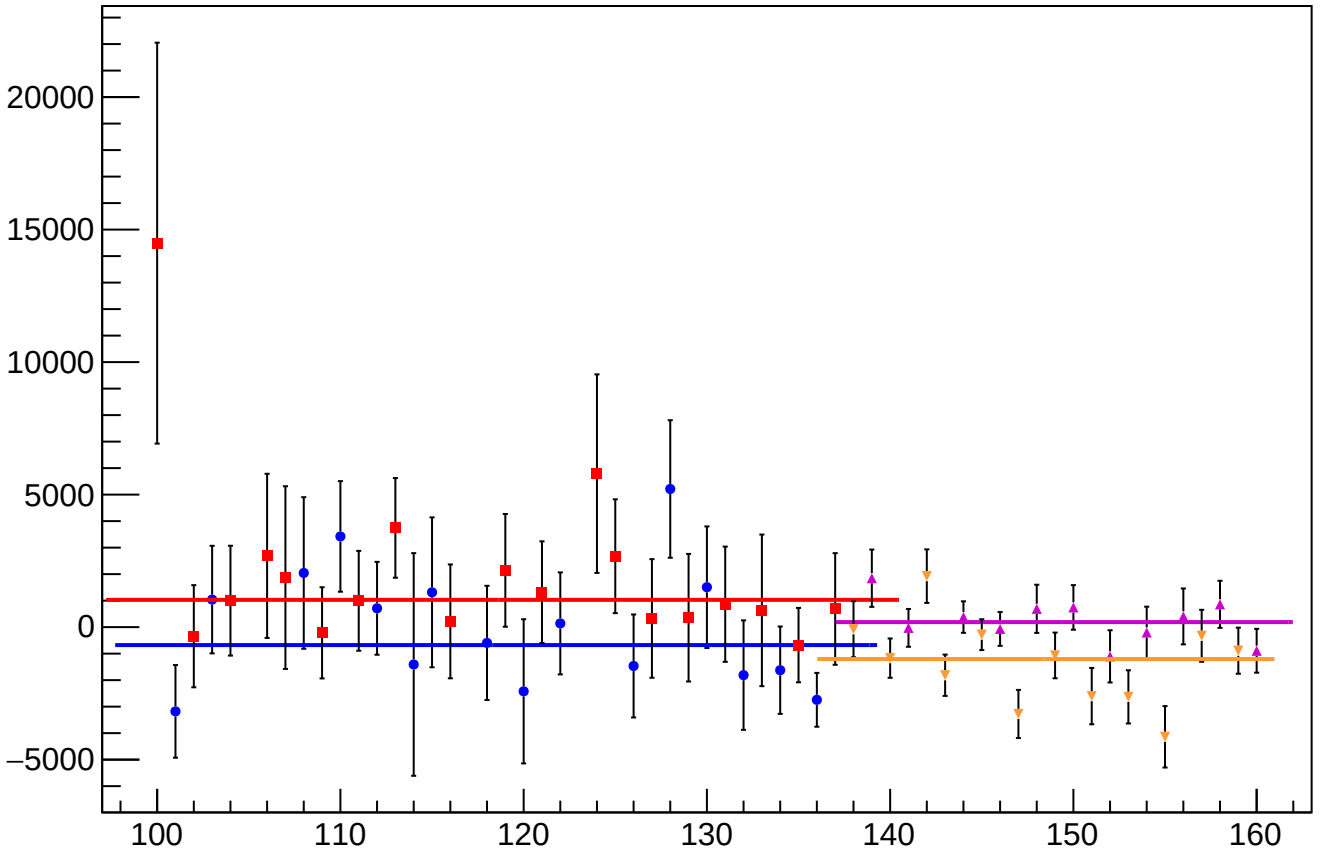
Left: 75.721+/-0.012 χ^2/NDF: 287920.4/22

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.243+/-0.014 χ^2/NDF:852724.5/26

Out: 81.437+/-0.014 χ^2/NDF:982178.3/30

All: 80.832+/-0.010 χ^2/NDF: 1838434.0/57



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: 189.847+/-246.629 χ^2/NDF:7.6/10

Left: -493.910+/-176.019 χ^2/NDF: 53.5/22

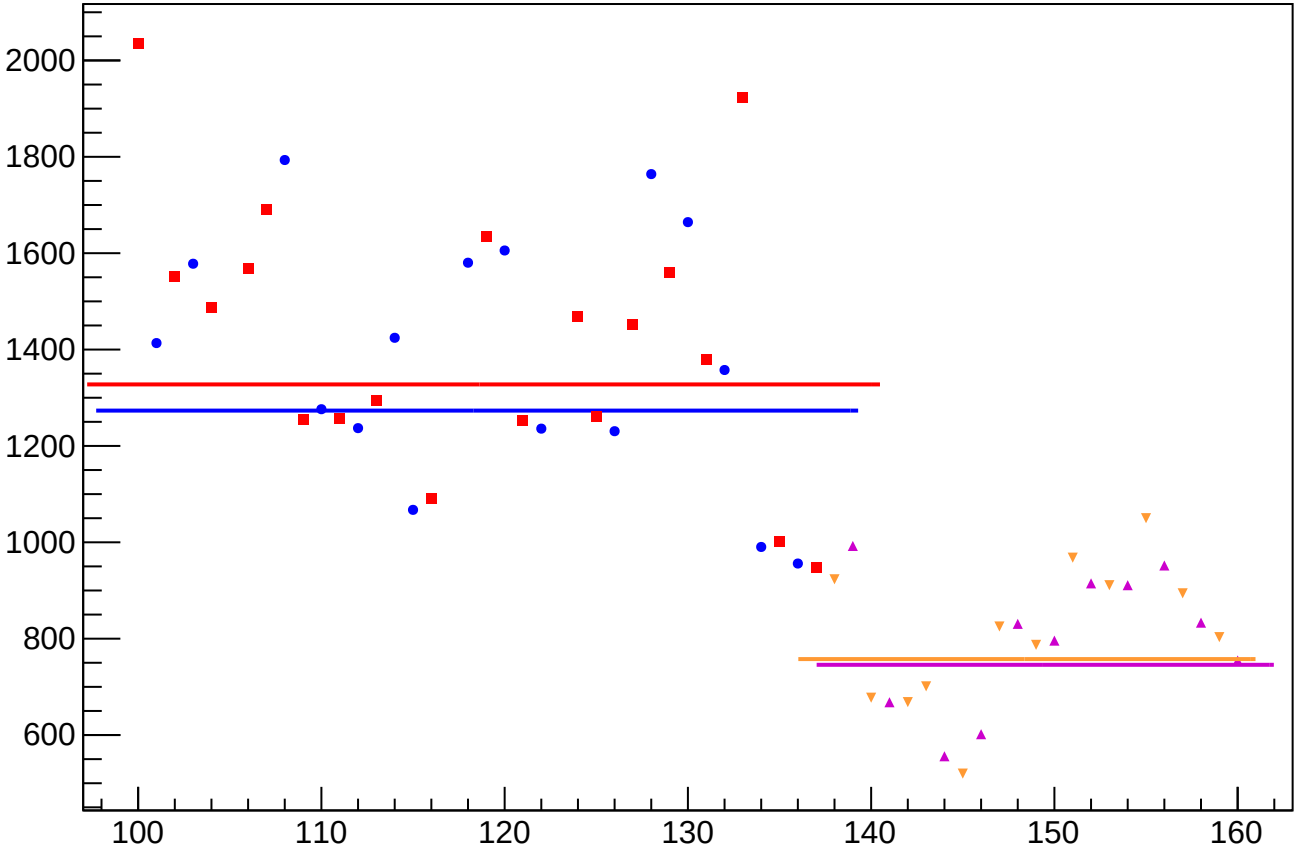
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 12.539+/-219.975 χ^2/NDF:30.4/26

Out: -749.126+/-224.258 χ^2/NDF:57.2/30

All: -360.950+/-157.038 χ^2/NDF: 93.6/57

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: 745.775+/-0.174 χ^2/NDF:670661.1/10

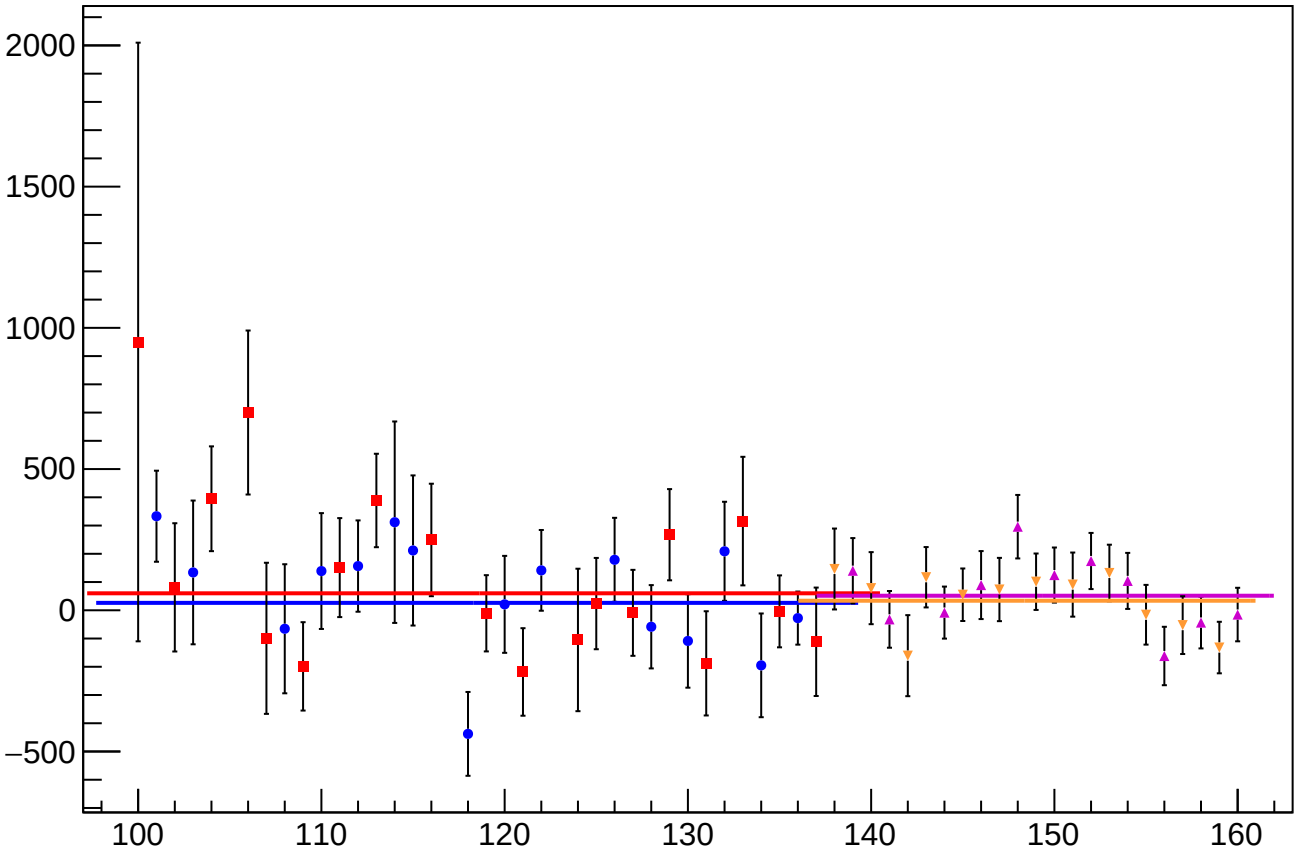
Left: 751.602+/-0.124 χ^2/NDF: 1415188.0/22

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 853.640+/-0.156 χ^2/NDF:3139276.9/26

Out: 873.699+/-0.159 χ^2/NDF:3295746.6/30

All: 863.476+/-0.111 χ^2/NDF: 6443178.9/57



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: 51.519+/-30.541 χ^2/NDF:14.7/10

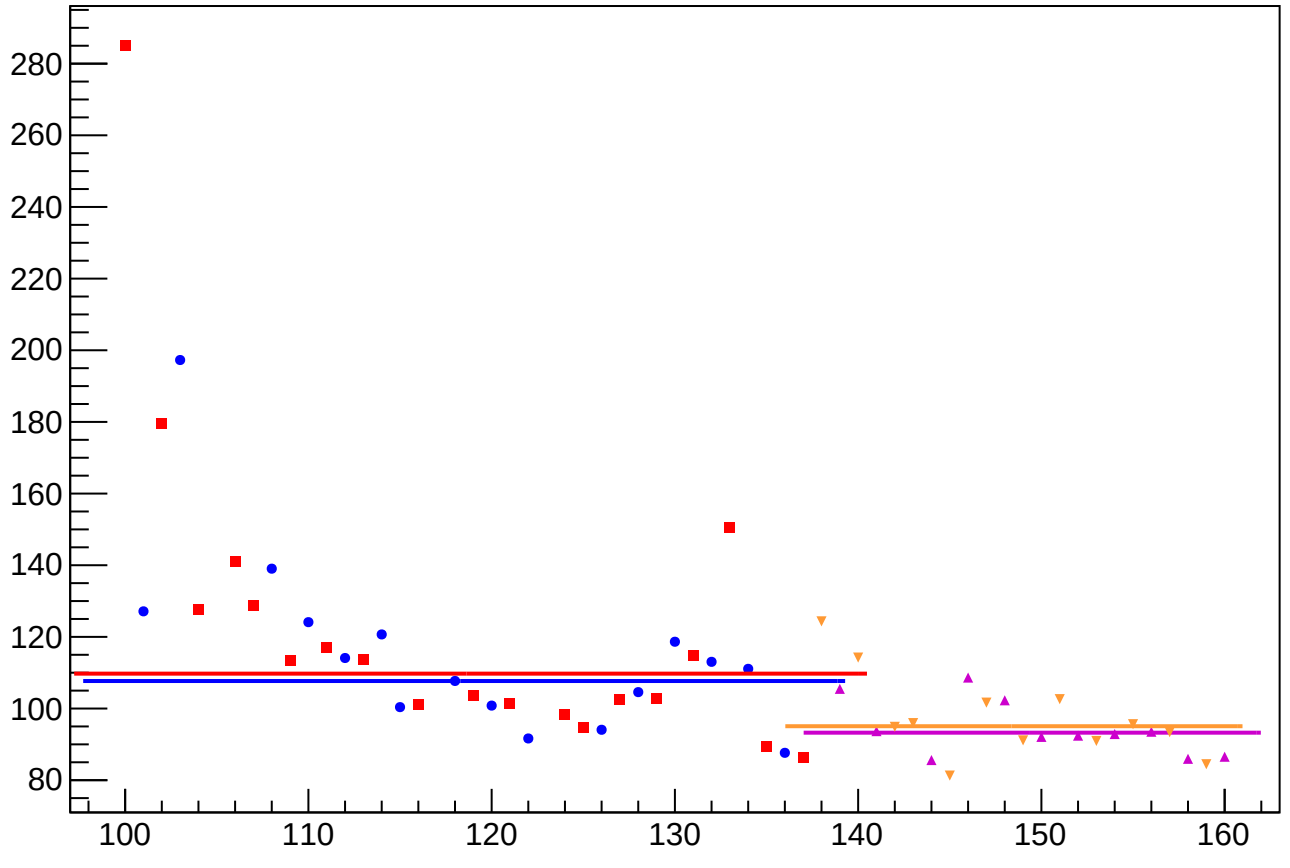
Left: 42.876+/-21.840 χ^2/NDF: 24.2/22

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 42.564+/-24.539 χ^2/NDF:36.3/26

Out: 43.333+/-24.967 χ^2/NDF:36.5/30

All: 42.941+/-17.501 χ^2/NDF: 72.9/57



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: 93.262+/-0.022 χ^2/NDF:105003.4/10

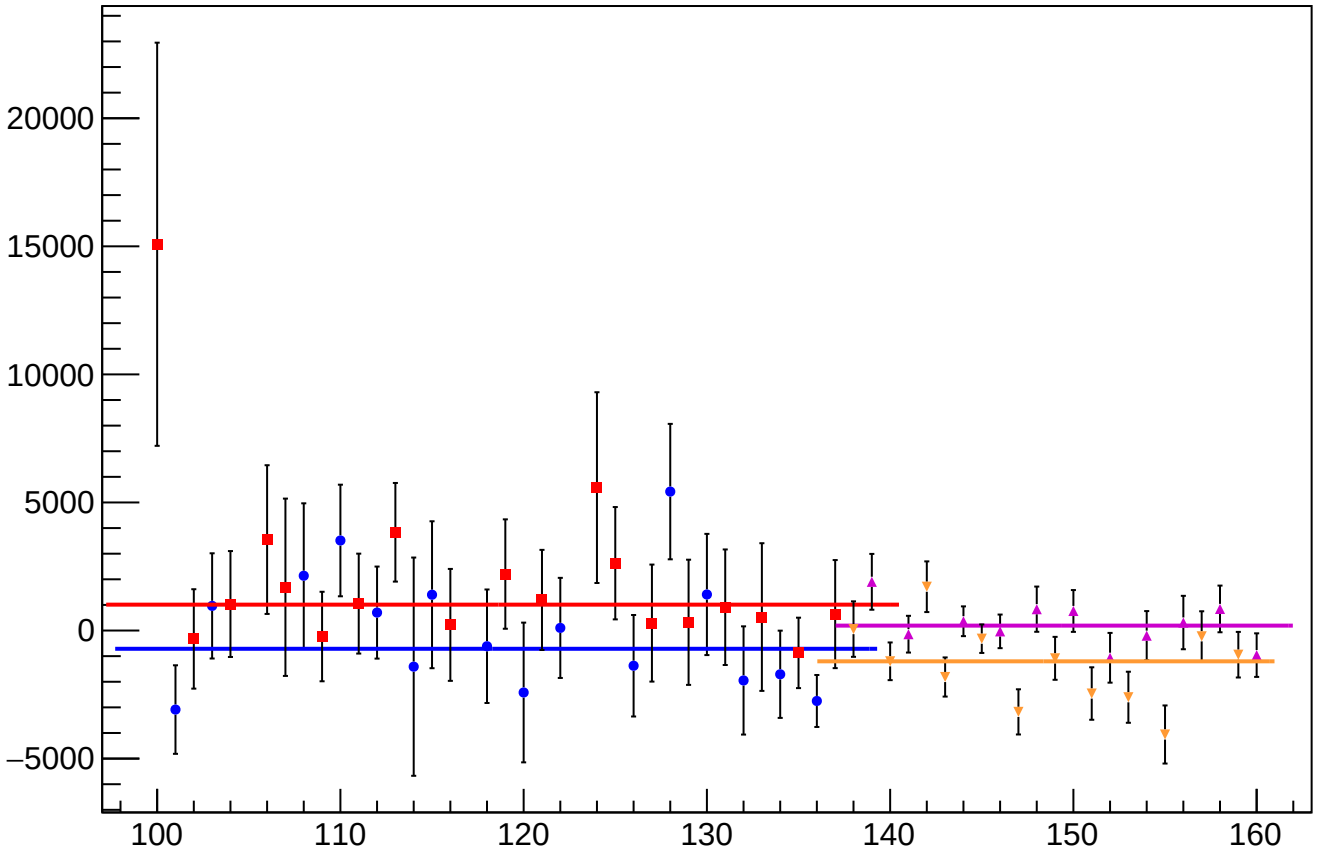
Left: 94.142+/-0.015 χ^2/NDF: 330976.8/22

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 98.372+/-0.017 χ^2/NDF:746106.4/26

Out: 100.368+/-0.018 χ^2/NDF:873845.3/30

All: 99.353+/-0.012 χ^2/NDF: 1626458.6/57



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: 191.811+/-246.131 χ^2/NDF:8.1/10

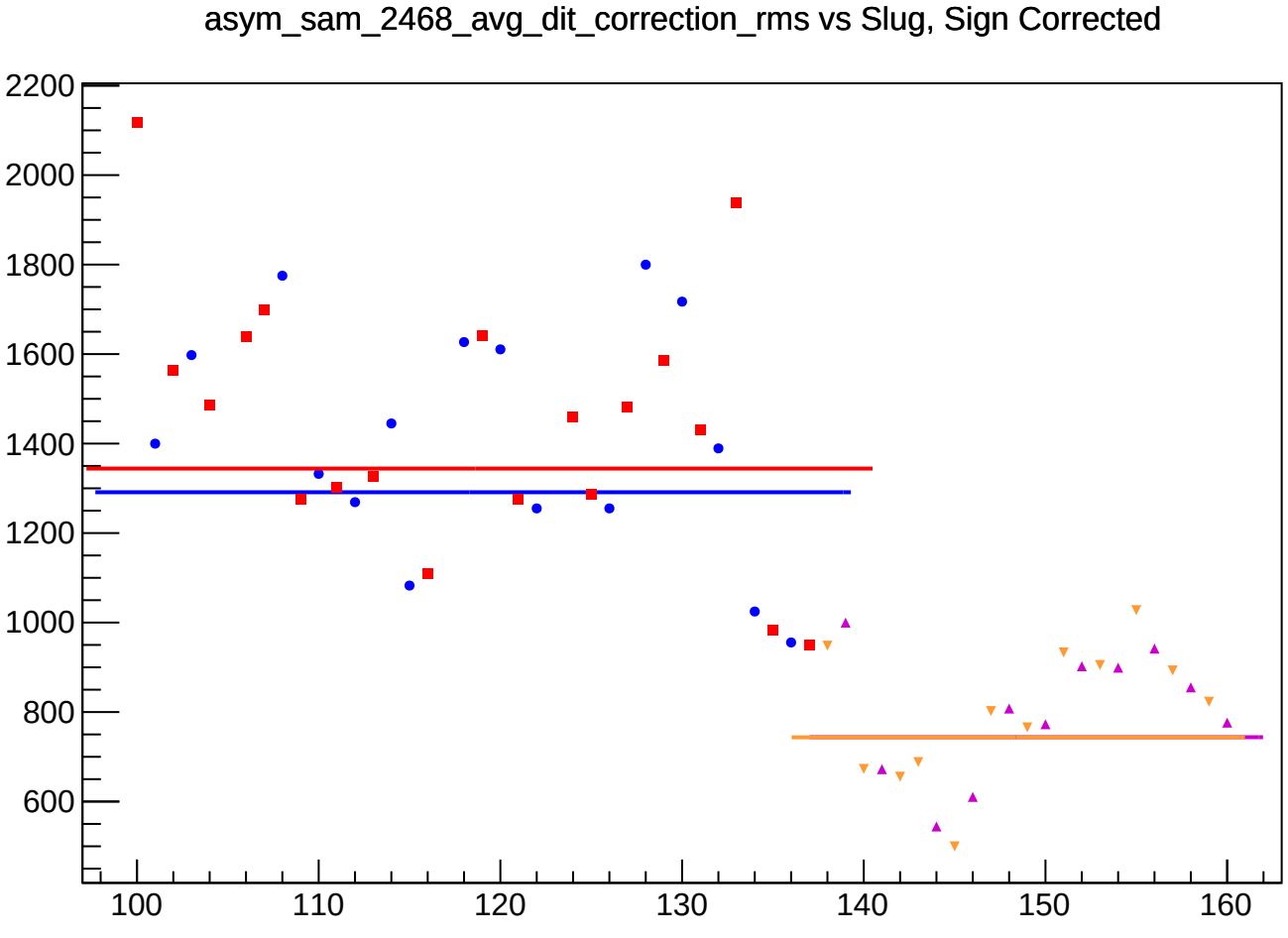
Left: -503.295+/-174.286 χ^2/NDF: 53.2/22

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 11.453+/-220.235 χ^2/NDF:30.9/26

Out: -770.639+/-221.445 χ^2/NDF:56.6/30

All: -377.451+/-156.156 χ^2/NDF: 93.7/57



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: 743.804+/-0.174 χ^2/NDF:672563.9/10

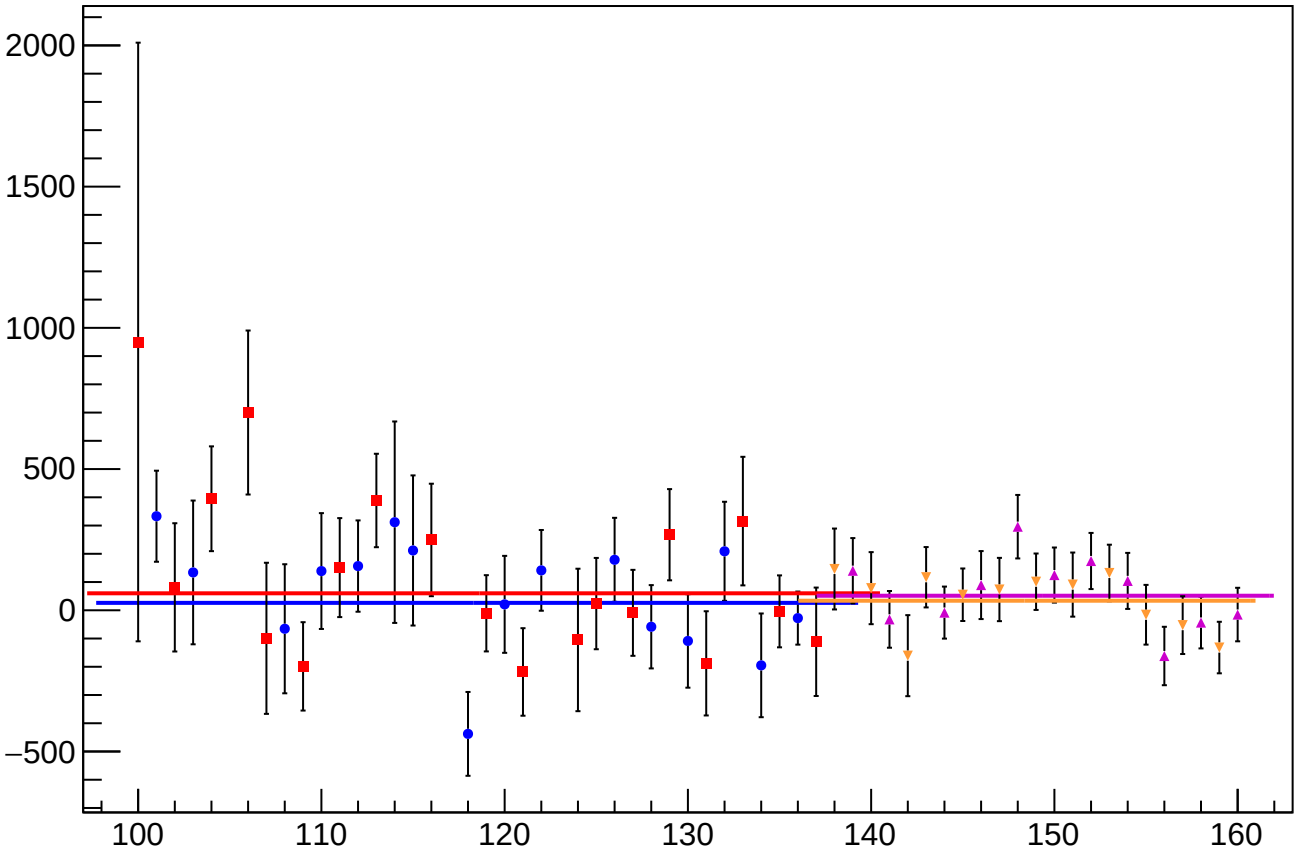
Left: 743.690+/-0.123 χ^2/NDF: 1492054.9/22

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 852.937+/-0.156 χ^2/NDF:3255741.0/26

Out: 860.728+/-0.157 χ^2/NDF:3620113.1/30

All: 856.811+/-0.110 χ^2/NDF: 6877098.9/57



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: 51.517+/-30.541 χ^2/NDF:14.7/10

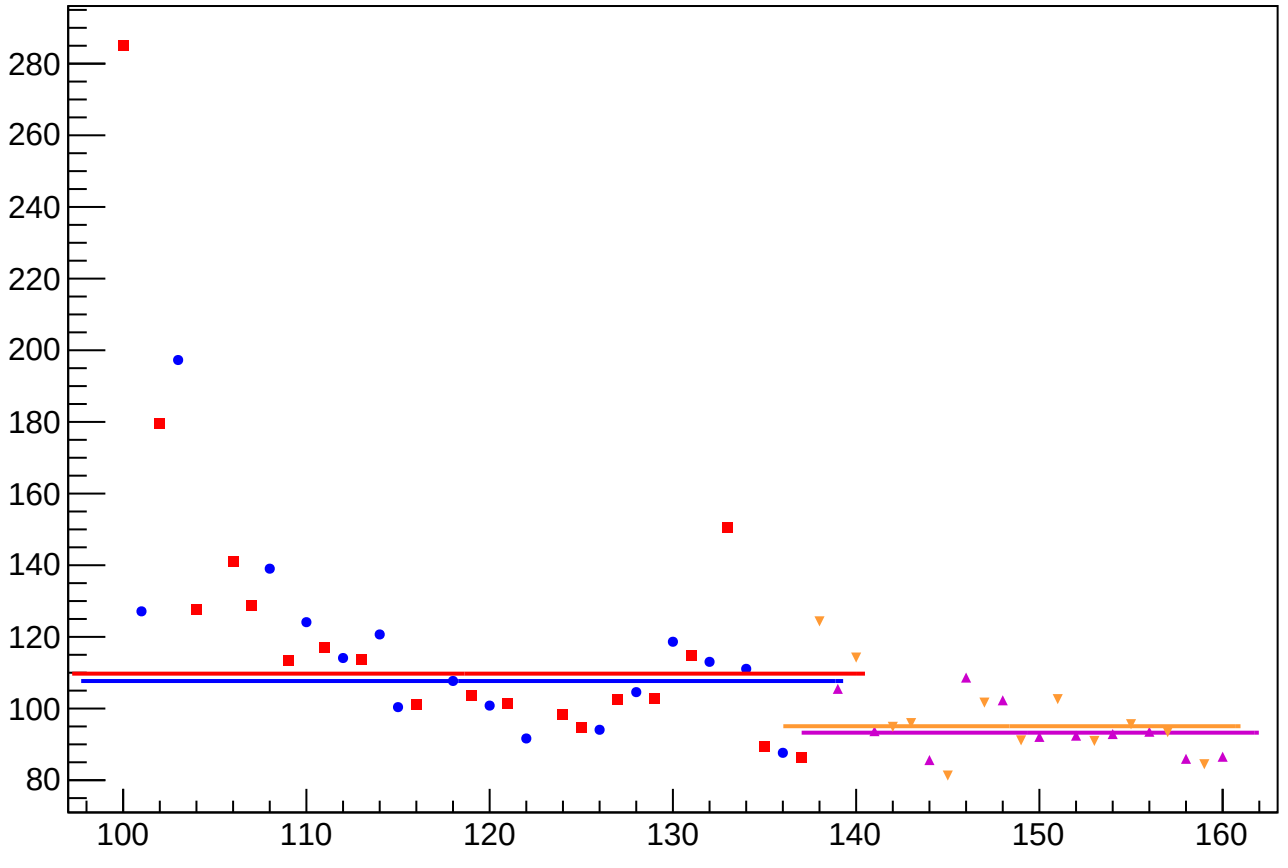
Left: 42.876+/-21.840 χ^2/NDF: 24.2/22

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

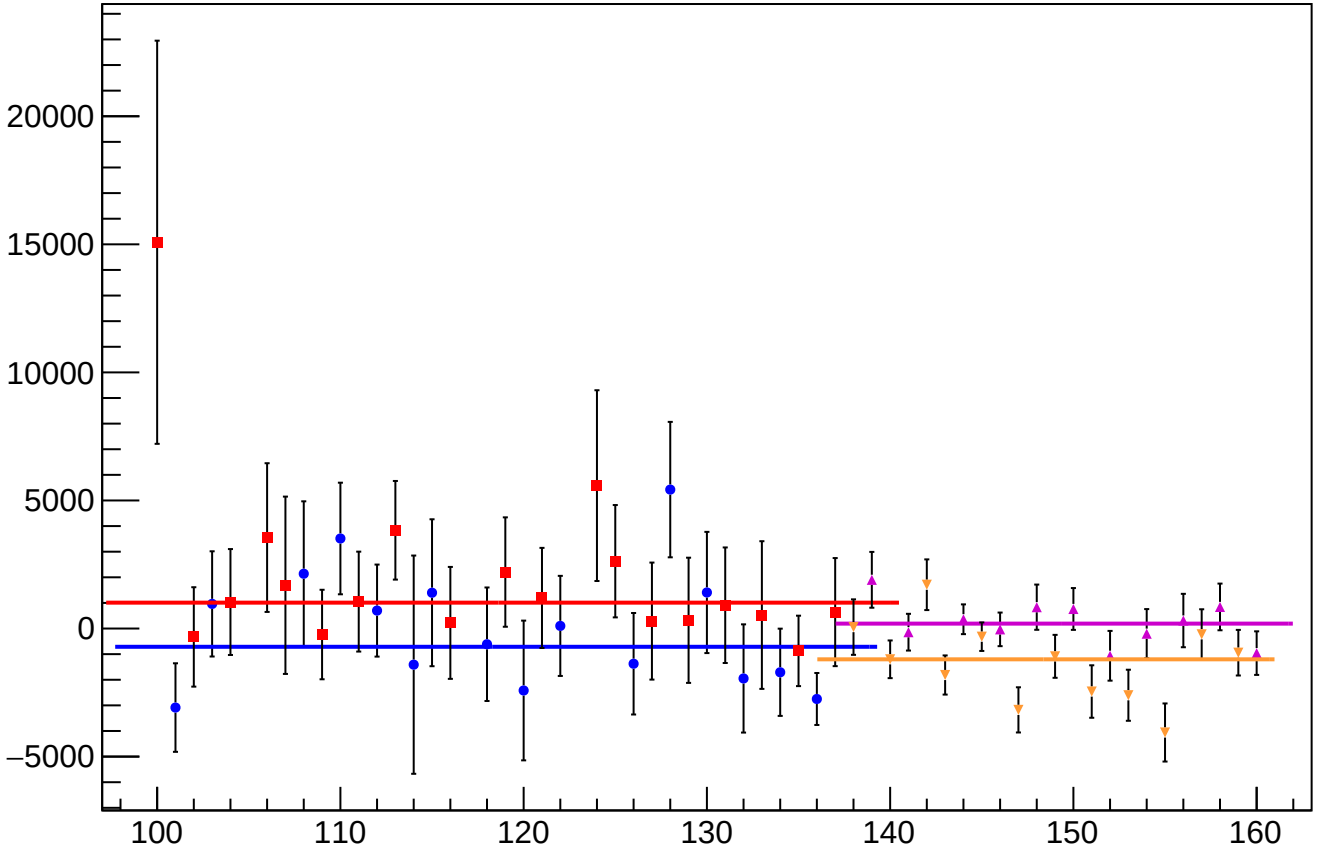
In: 42.563+/-24.539 χ^2/NDF:36.3/26

Out: 43.333+/-24.967 χ^2/NDF:36.5/30

All: 42.941+/-17.501 χ^2/NDF: 72.9/57


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: 93.262+/-0.022 χ²/NDF:105005.7/10
Left: 94.143+/-0.015 χ²/NDF: 330971.7/22
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 98.372+/-0.017 χ²/NDF:746074.6/26
Out: 100.368+/-0.018 χ²/NDF:873813.1/30
All: 99.353+/-0.012 χ²/NDF: 1626395.4/57

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: 191.810+/-246.131 χ^2/NDF:8.1/10

Left: -503.295+/-174.285 χ^2/NDF: 53.2/22

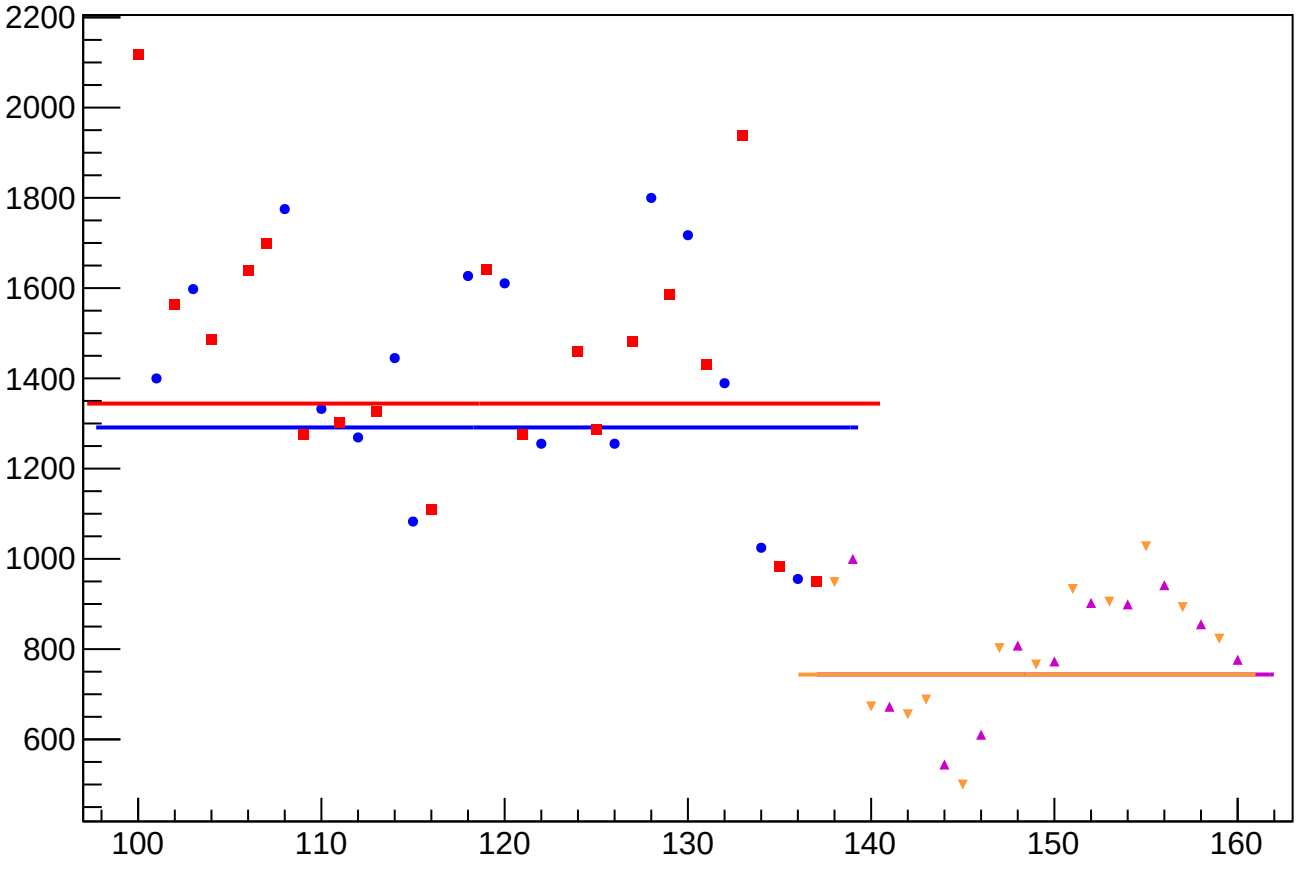
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 11.452+/-220.235 χ^2/NDF:30.9/26

Out: -770.637+/-221.444 χ^2/NDF:56.6/30

All: -377.450+/-156.155 χ^2/NDF: 93.7/57

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: 743.803+/-0.174 χ^2/NDF:672563.9/10

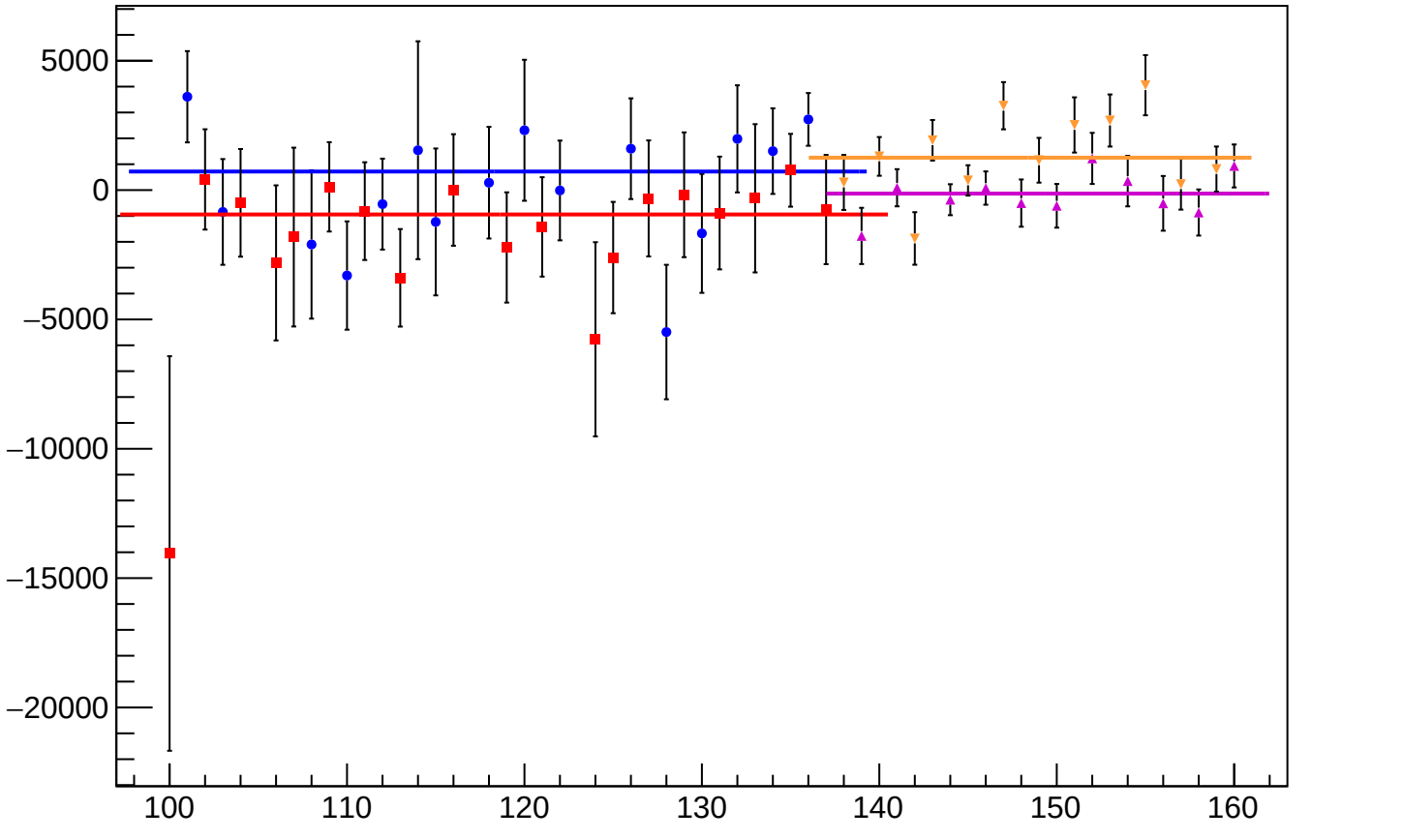
Left: 743.689+/-0.123 χ^2/NDF: 1492062.8/22

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

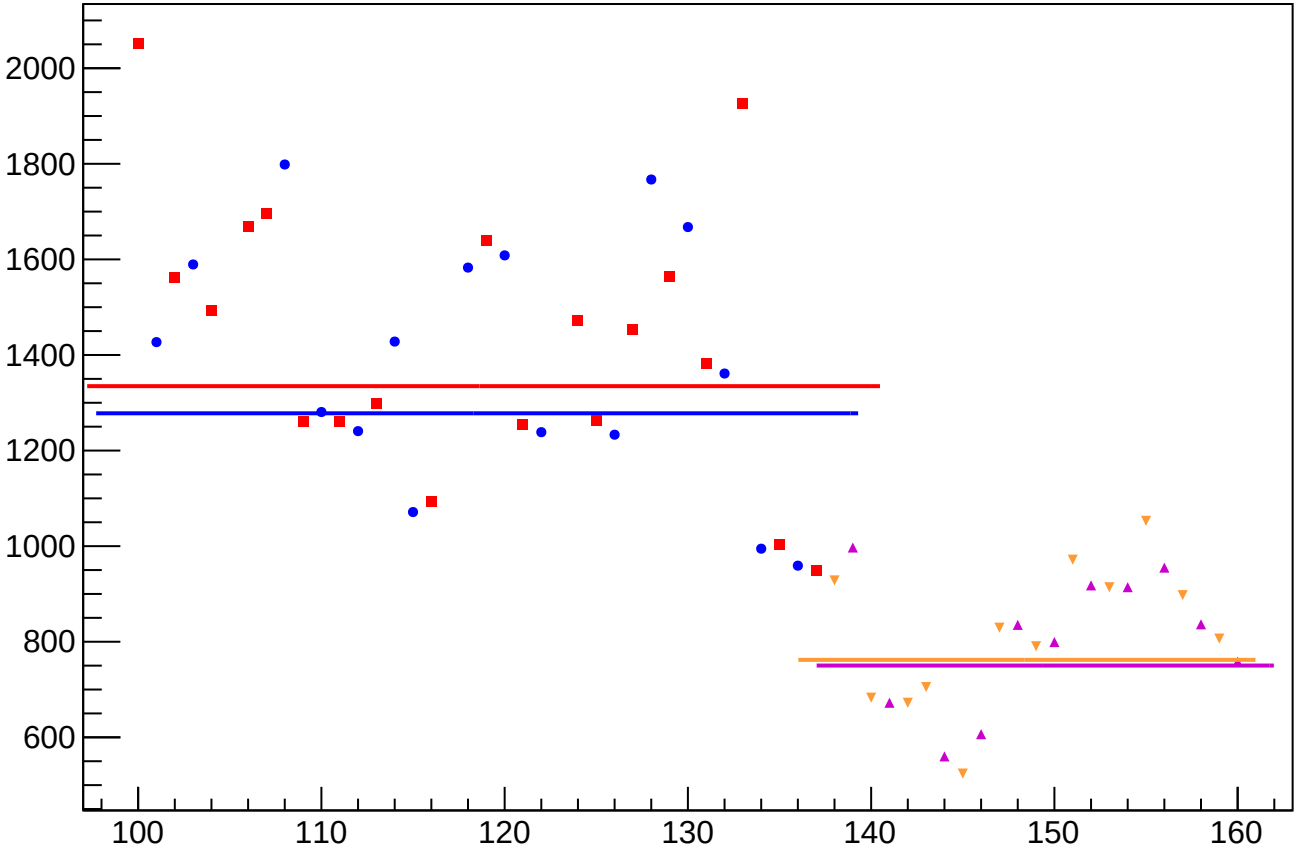
In: 852.935+/-0.156 χ^2/NDF:3255734.7/26

Out: 860.726+/-0.157 χ^2/NDF:3620119.0/30

All: 856.809+/-0.110 χ^2/NDF: 6877098.3/57


asym_sam_2468_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 717.617+/-488.239 χ²/NDF: 21.0/15
Left Out: 1253.148+/-252.691 χ²/NDF:28.7/11
Right Out: -942.308+/-498.052 χ²/NDF: 10.6/18
Left In: -135.481+/-248.009 χ²/NDF:7.7/10
Left: 545.850+/-177.001 χ²/NDF: 51.8/22
Right: -95.832+/-348.655 χ²/NDF: 37.2/34
In: 39.495+/-221.117 χ²/NDF:31.1/26
Out: 803.703+/-225.346 χ²/NDF:54.7/30
All: 414.360+/-157.827 χ²/NDF: 91.7/57

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: 750.184+/-0.175 χ^2/NDF:659931.2/10

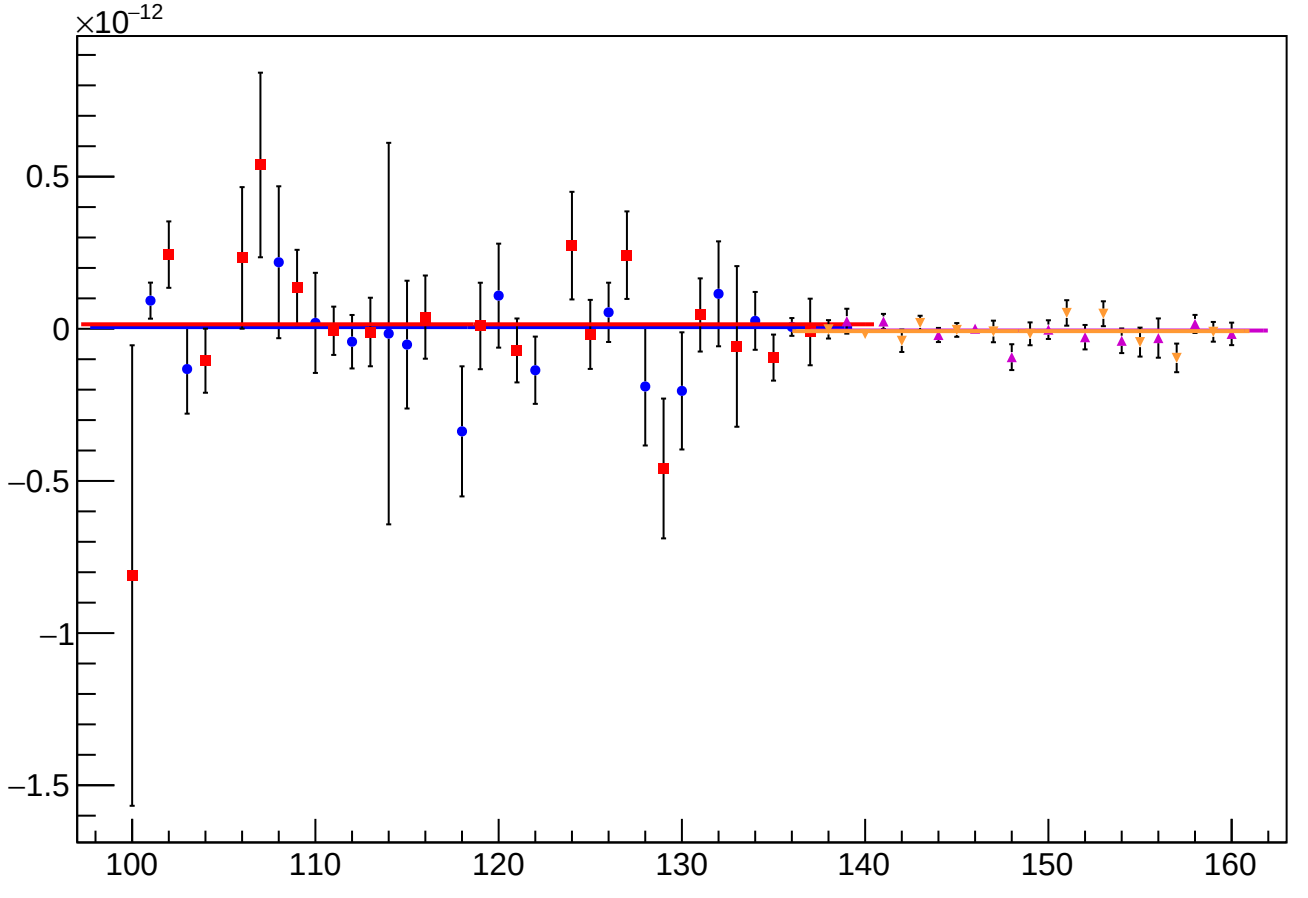
Left: 756.036+/-0.125 χ^2/NDF: 1393036.7/22

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 858.438+/-0.156 χ^2/NDF:3115424.2/26

Out: 879.345+/-0.159 χ^2/NDF:3305554.0/30

All: 868.694+/-0.112 χ^2/NDF: 6429748.9/57



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:8.6/10

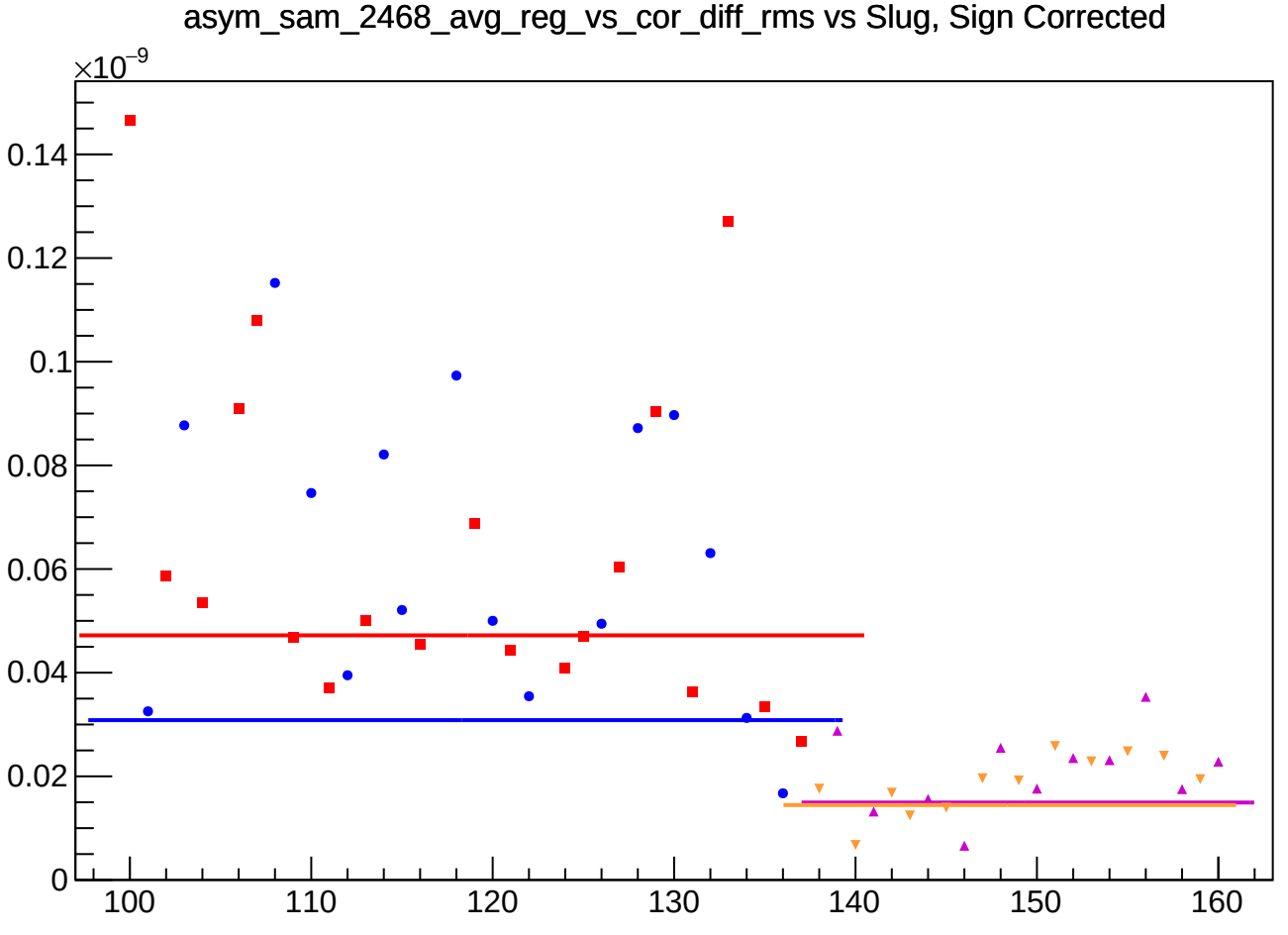
Left: -0.000+/-0.000 χ^2/NDF: 19.2/22

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:20.5/26

Out: -0.000+/-0.000 χ^2/NDF:34.9/30

All: -0.000+/-0.000 χ^2/NDF: 55.4/57



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:1515636.0/10

Left: 0.000+/-0.000 χ^2/NDF: 2607981.7/22

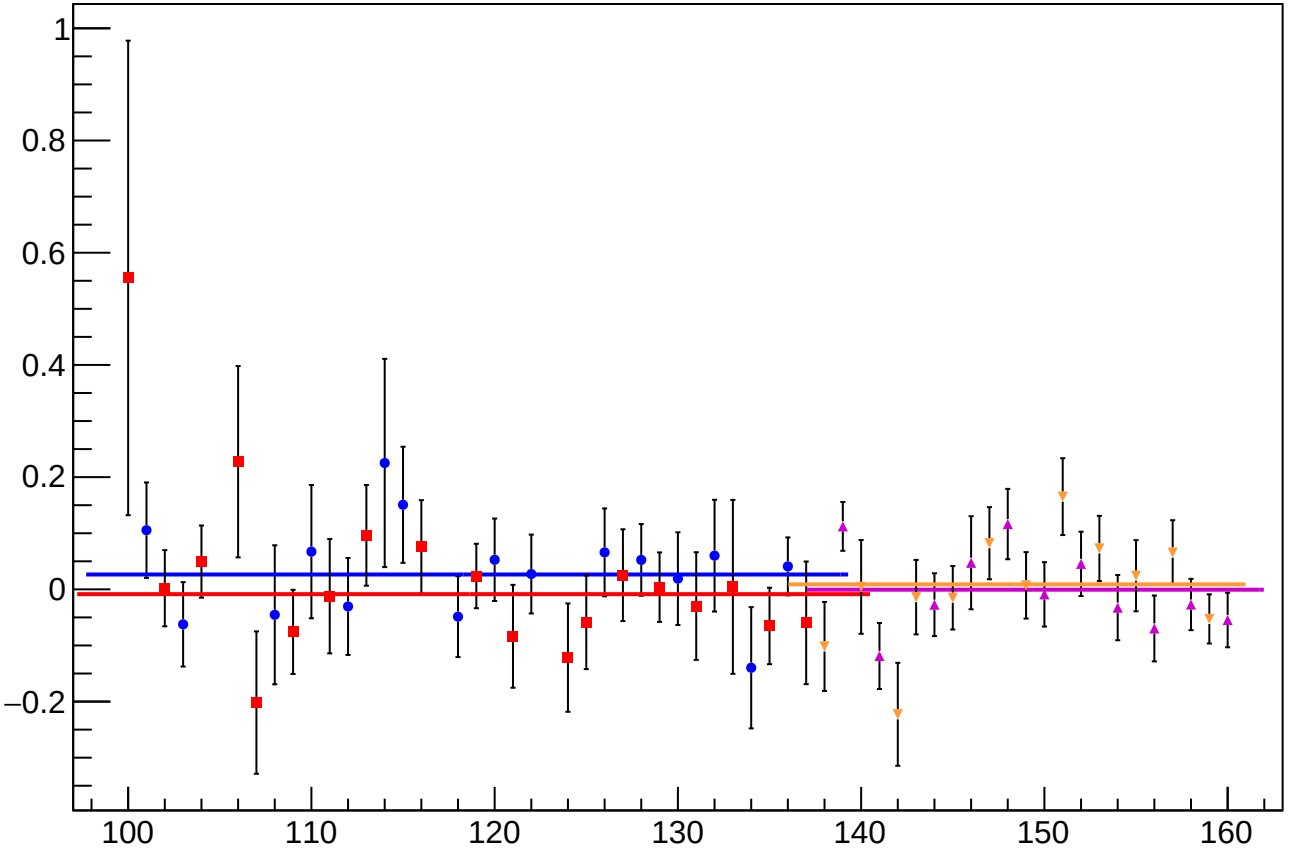
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4367828.7/26

Out: 0.000+/-0.000 χ^2/NDF:4223850.1/30

All: 0.000+/-0.000 χ^2/NDF: 8591768.7/57

asym_sam_2468_avg_dit_vs_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: -0.001+/-0.017 χ^2/NDF:18.7/10

Left: 0.004+/-0.012 χ^2/NDF: 38.2/22

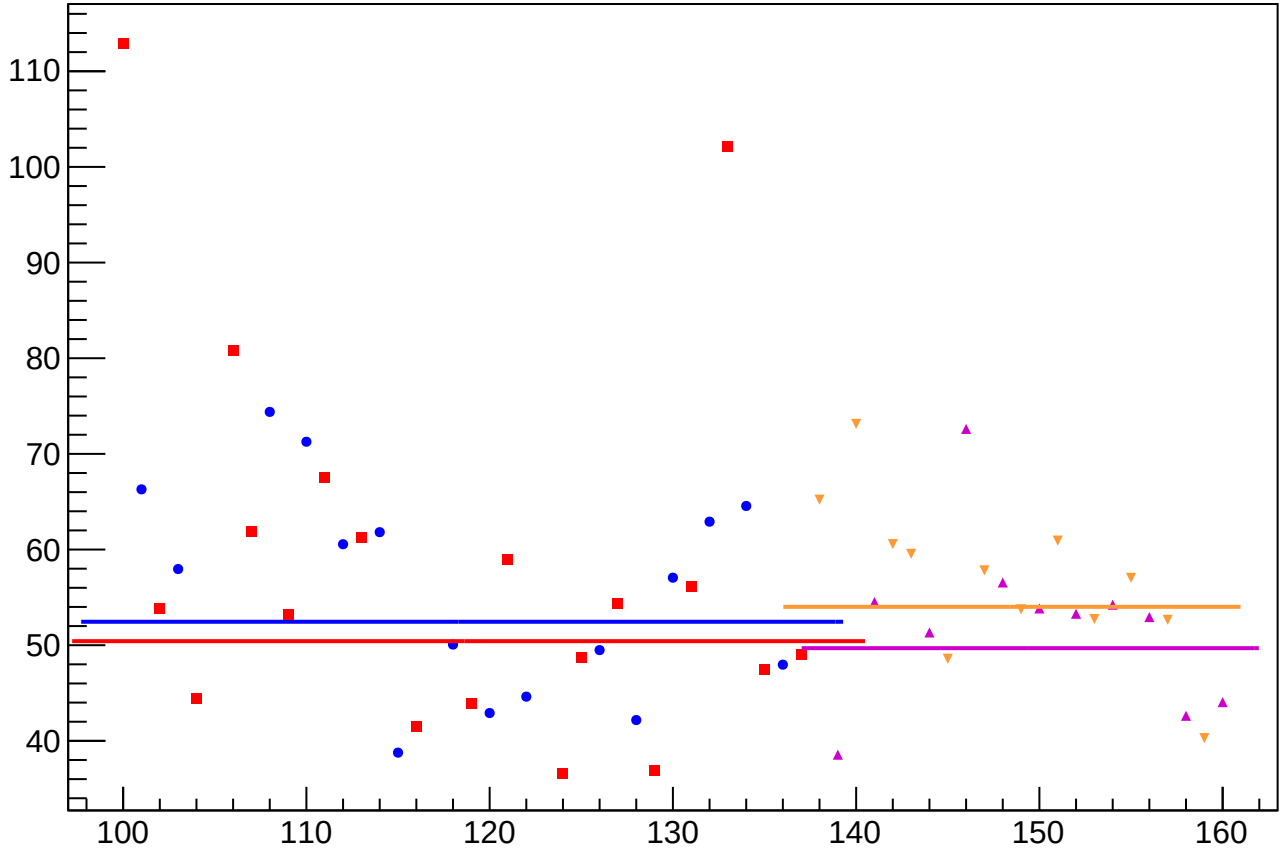
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.006+/-0.009 χ^2/NDF: 63.7/57

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 49.690+/-0.012 χ^2/NDF:433981.1/10

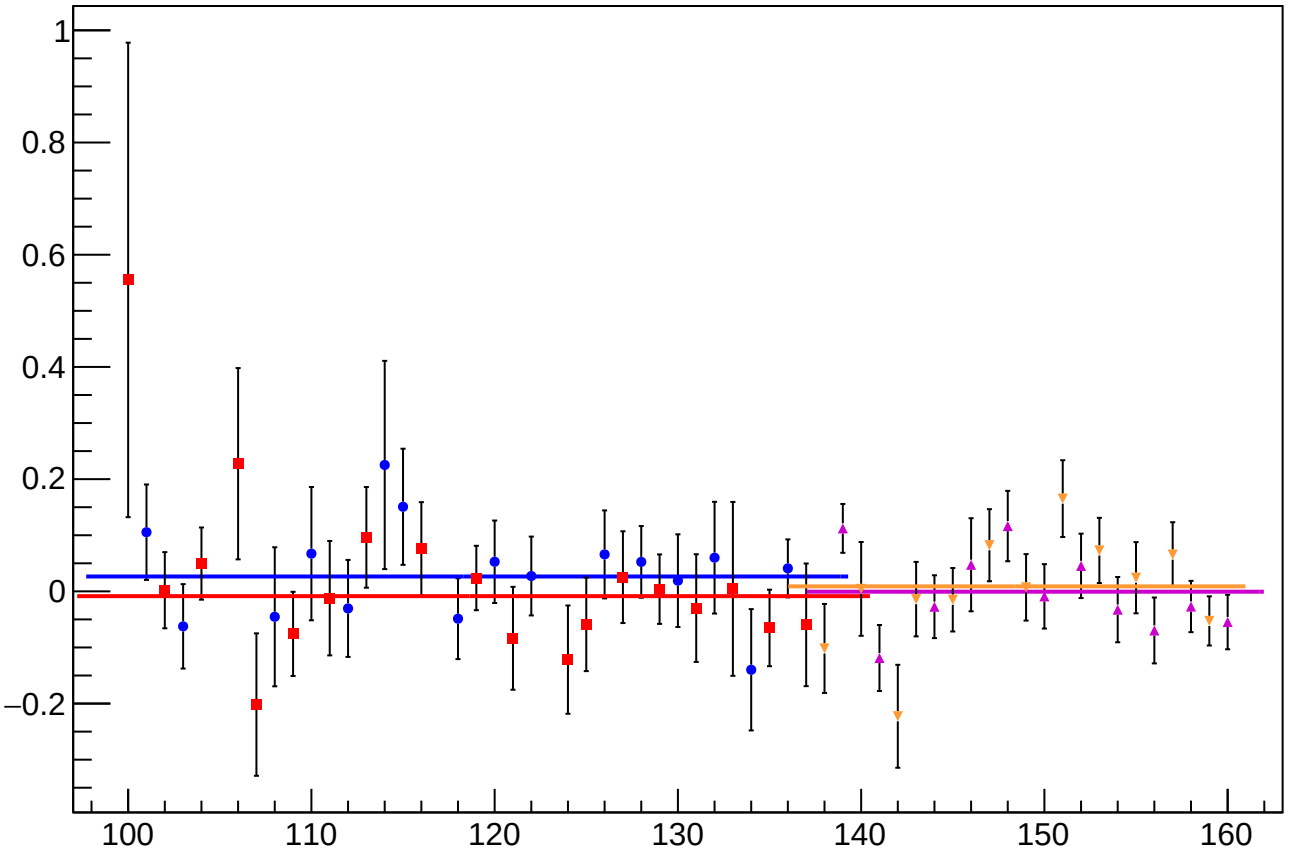
Left: 51.669+/-0.009 χ^2/NDF: 913739.1/22

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.790+/-0.009 χ^2/NDF:874035.5/26

Out: 52.353+/-0.009 χ^2/NDF:1130925.7/30

All: 51.549+/-0.007 χ^2/NDF: 2019288.0/57



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: -0.001+/-0.017 χ^2/NDF:18.7/10

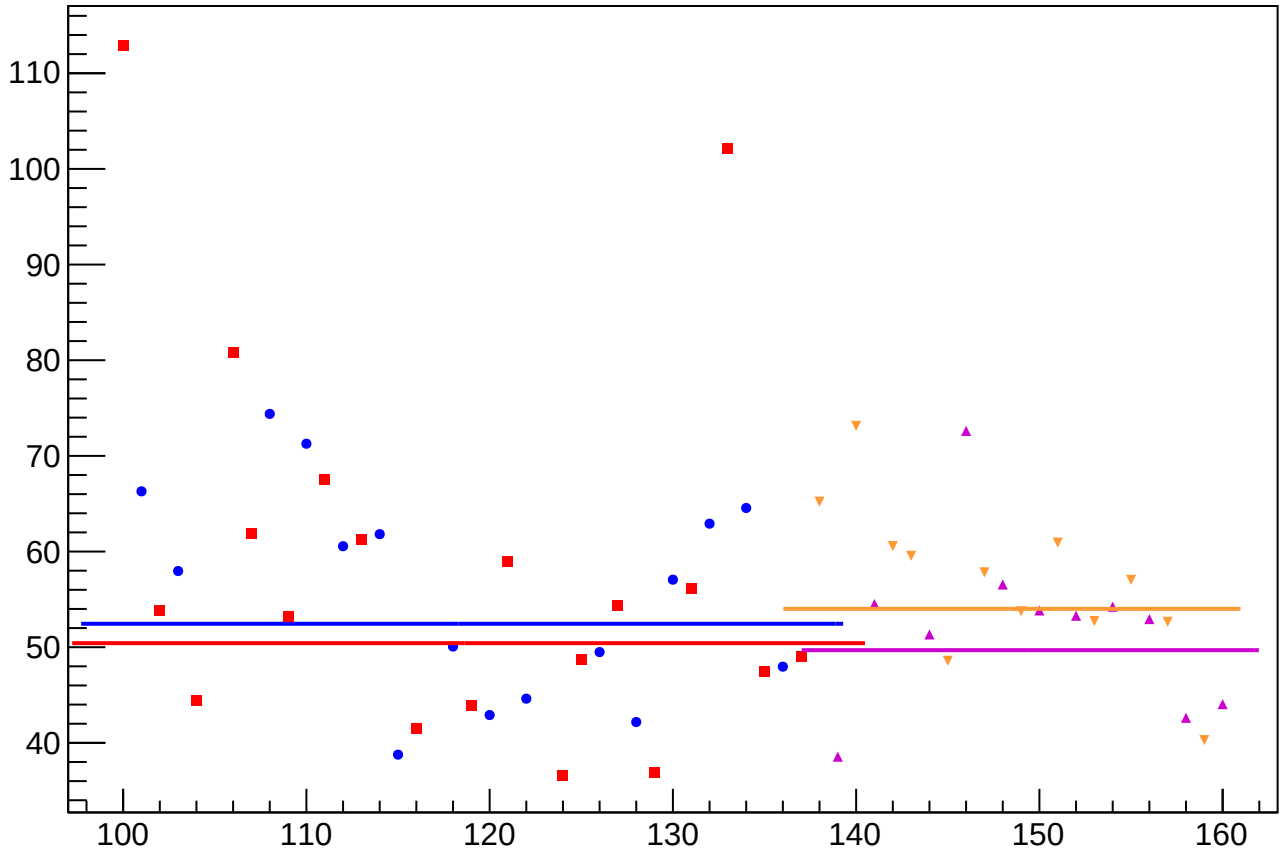
Left: 0.004+/-0.012 χ^2/NDF: 38.2/22

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.006+/-0.009 χ^2/NDF: 63.7/57



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: 49.690+/-0.012 χ^2/NDF:433981.1/10

Left: 51.669+/-0.009 χ^2/NDF: 913739.1/22

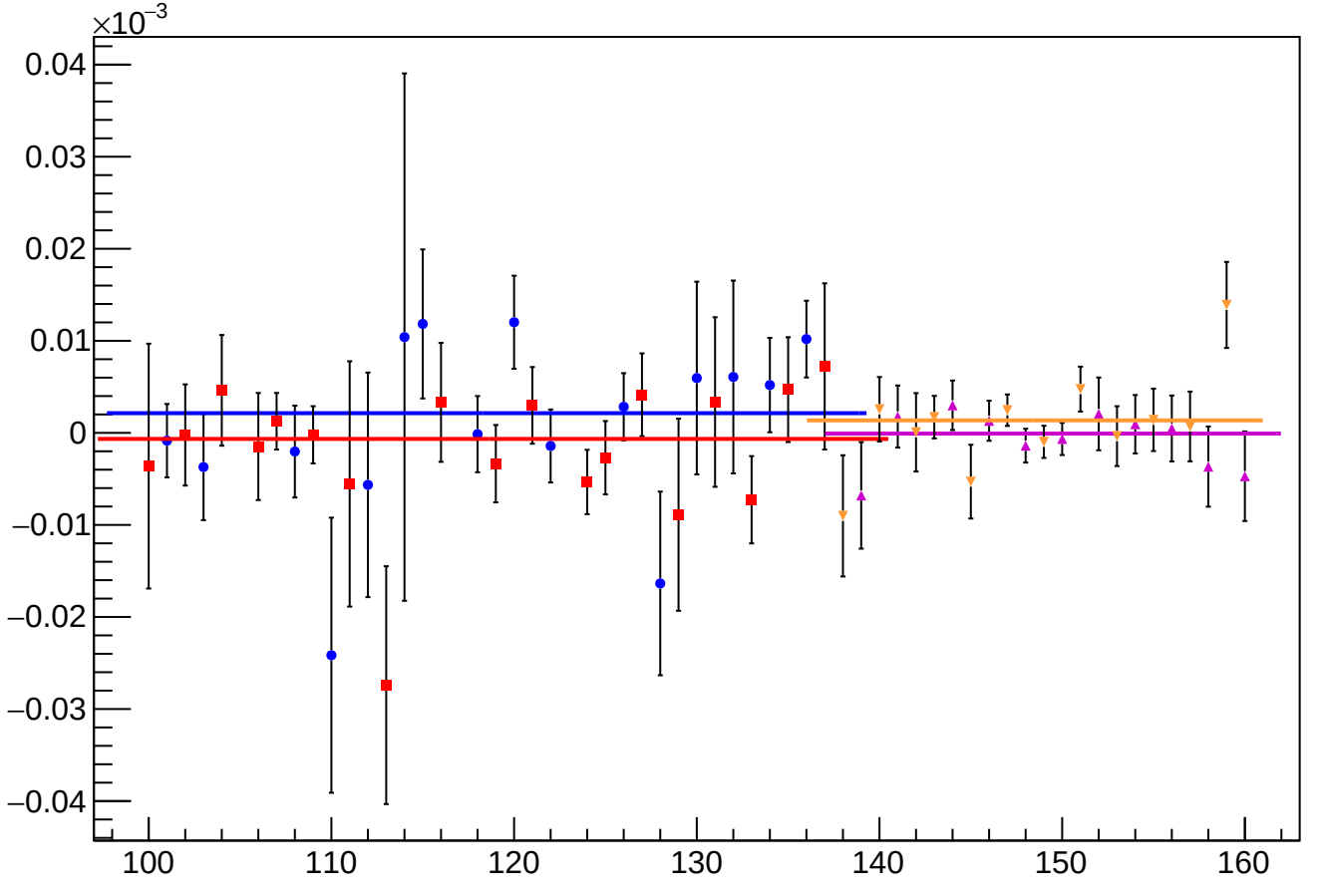
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.790+/-0.009 χ^2/NDF:874035.5/26

Out: 52.353+/-0.009 χ^2/NDF:1130925.7/30

All: 51.549+/-0.007 χ^2/NDF: 2019288.0/57

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:6.0/10

Left: 0.000+/-0.000 χ^2/NDF: 24.6/22

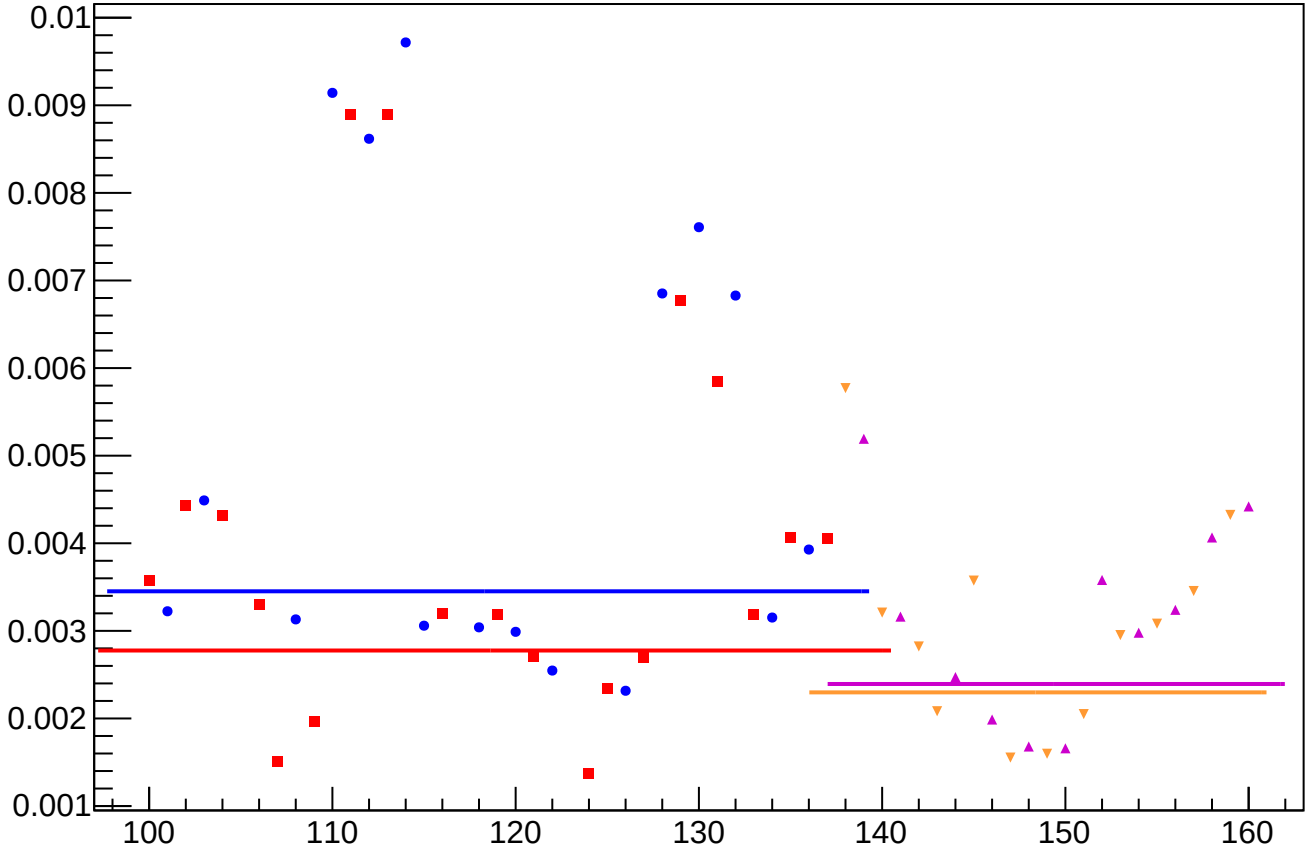
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:27.9/26

Out: 0.000+/-0.000 χ^2/NDF:34.0/30

All: 0.000+/-0.000 χ^2/NDF: 62.0/57

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:2298584.5/10

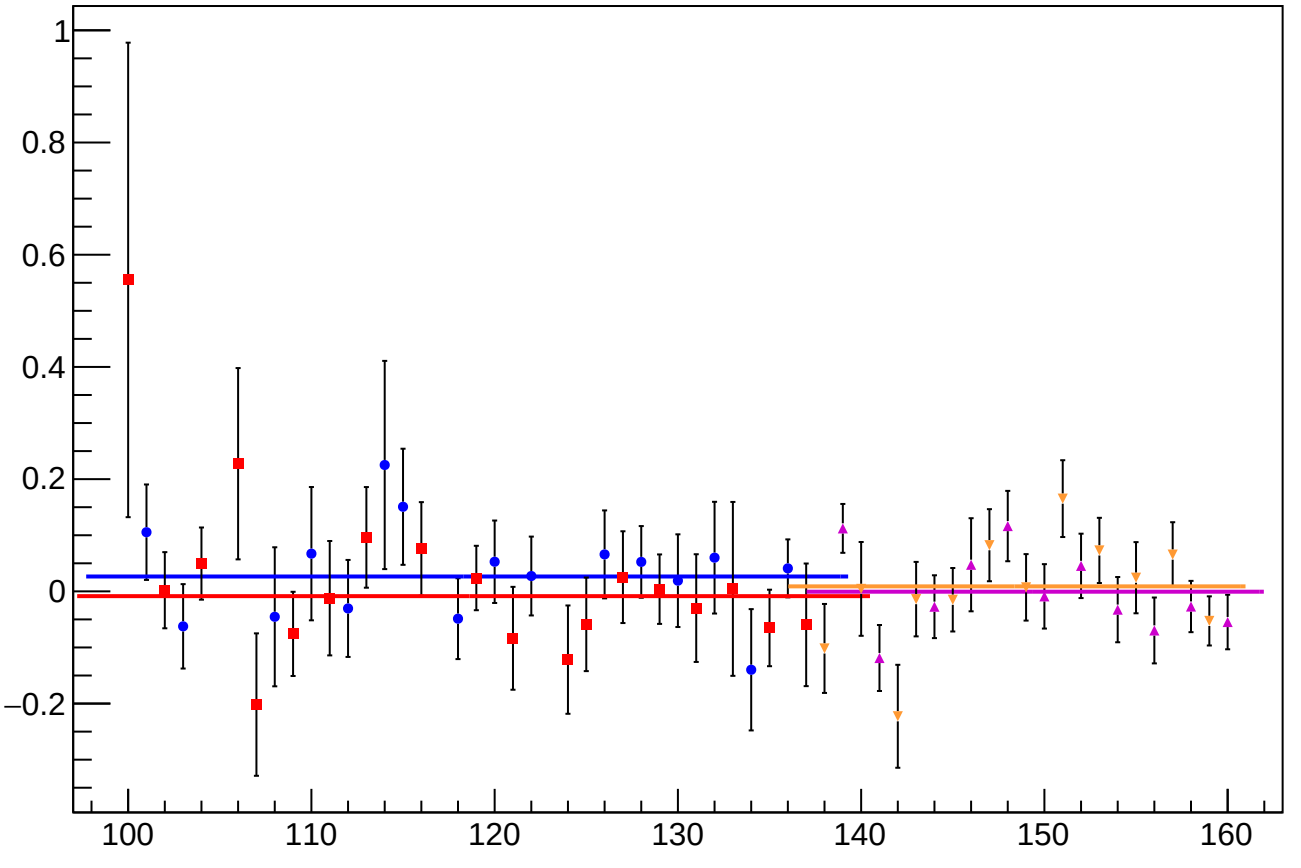
Left: 0.002+/-0.000 χ^2/NDF: 4726453.0/22

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5103797.9/26

Out: 0.002+/-0.000 χ^2/NDF:5381630.4/30

All: 0.003+/-0.000 χ^2/NDF: 10588894.5/57



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: -0.001+/-0.017 χ^2/NDF:18.7/10

Left: 0.004+/-0.012 χ^2/NDF: 38.2/22

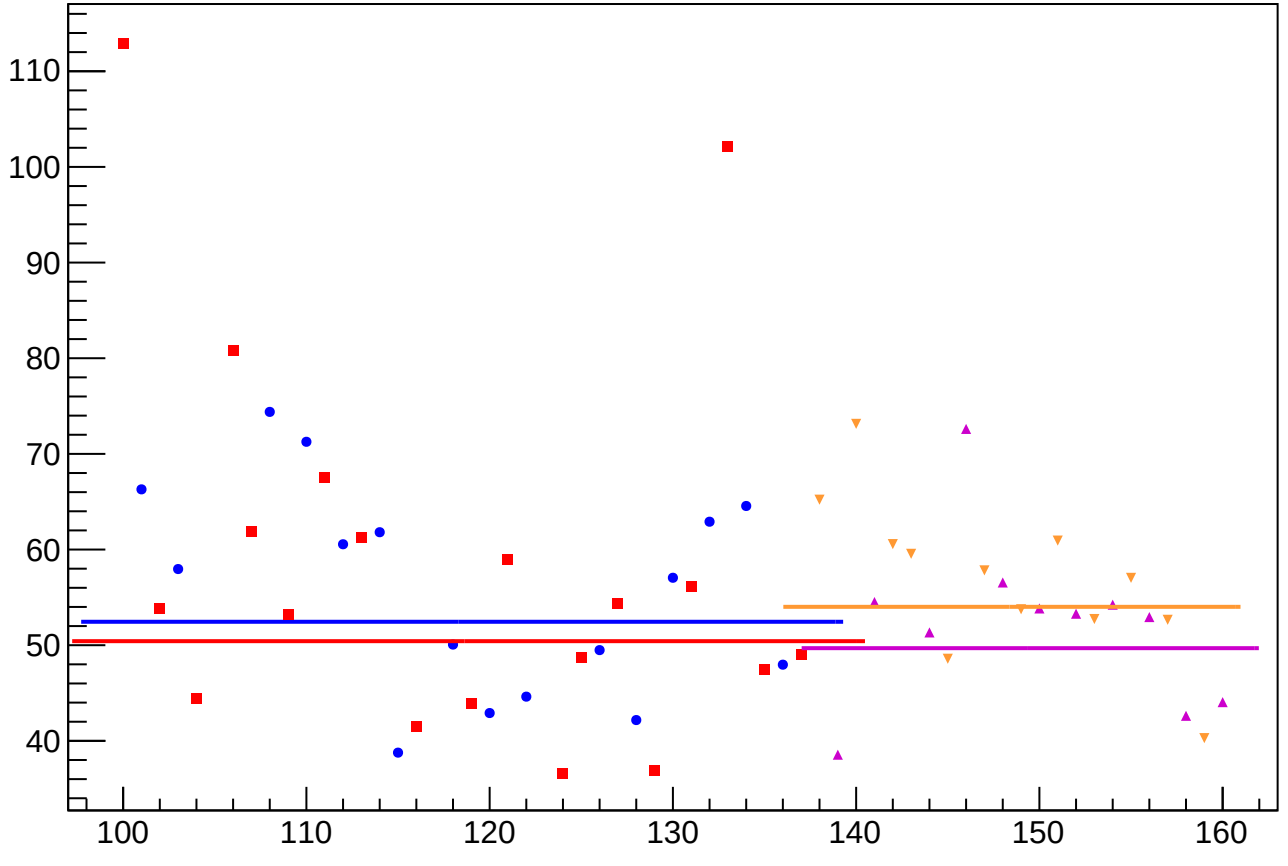
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.006+/-0.009 χ^2/NDF: 63.7/57

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.012+/-0.013 χ^2/NDF:417679.4/11

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.690+/-0.012 χ^2/NDF:434051.8/10

Left: 51.669+/-0.009 χ^2/NDF: 913832.7/22

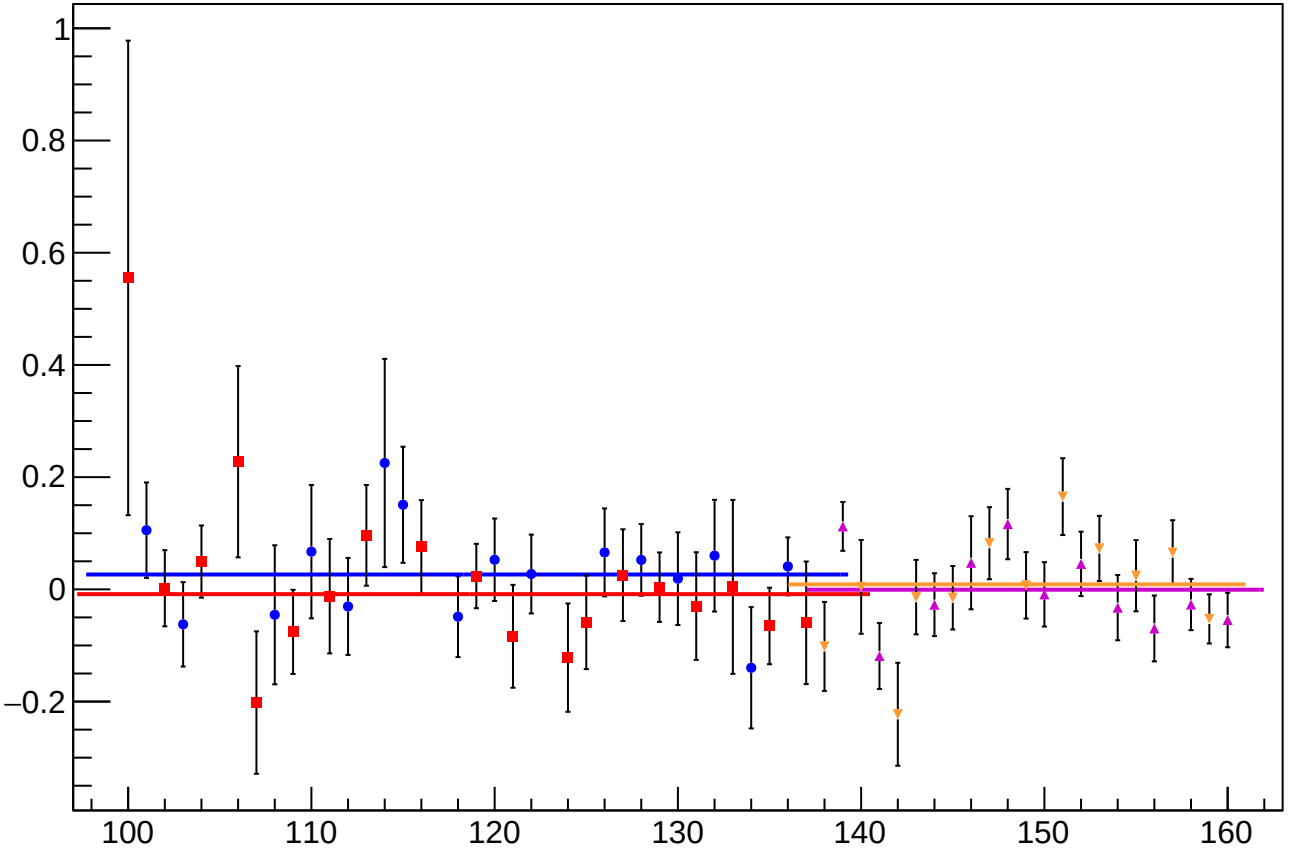
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.789+/-0.009 χ^2/NDF:874040.6/26

Out: 52.353+/-0.009 χ^2/NDF:1130976.7/30

All: 51.549+/-0.007 χ^2/NDF: 2019345.3/57

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: -0.001+/-0.017 χ^2/NDF:18.7/10

Left: 0.004+/-0.012 χ^2/NDF: 38.2/22

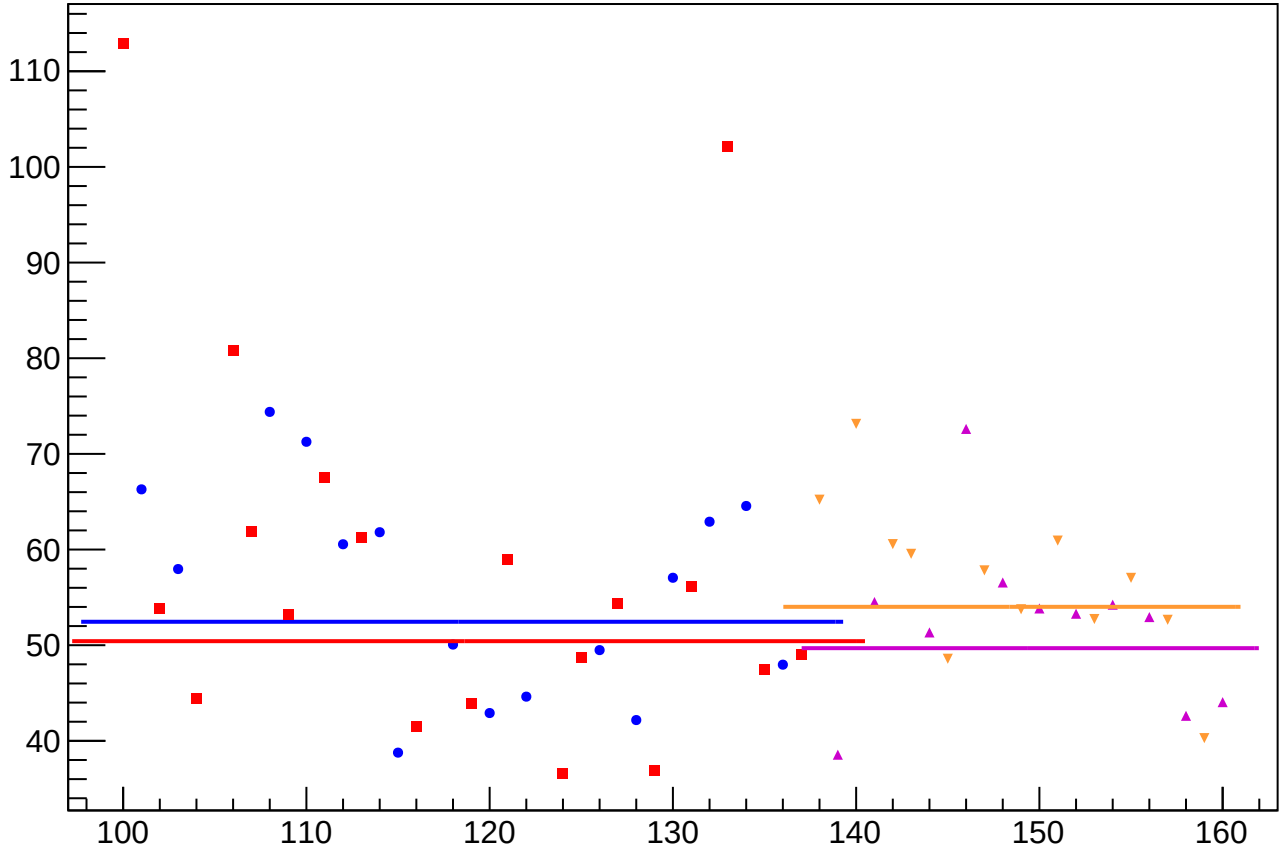
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.001+/-0.013 χ^2/NDF:33.7/30

All: 0.006+/-0.009 χ^2/NDF: 63.7/57

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 49.690+/-0.012 χ^2/NDF:434051.8/10

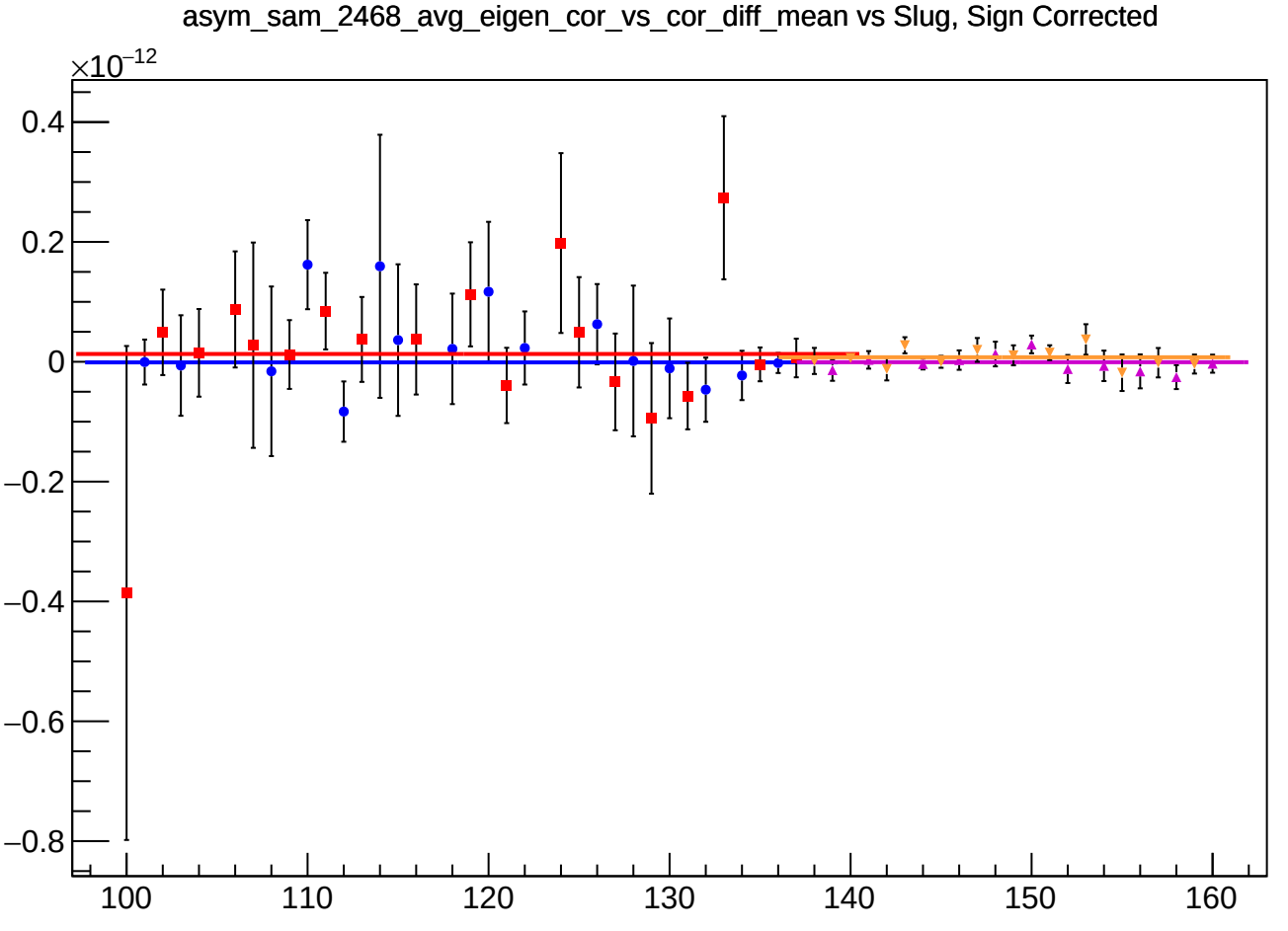
Left: 51.669+/-0.009 χ^2/NDF: 913832.7/22

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.789+/-0.009 χ^2/NDF:874040.6/26

Out: 52.353+/-0.009 χ^2/NDF:1130976.7/30

All: 51.549+/-0.007 χ^2/NDF: 2019345.3/57



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:7.4/10

Left: 0.000+/-0.000 χ^2/NDF: 16.6/22

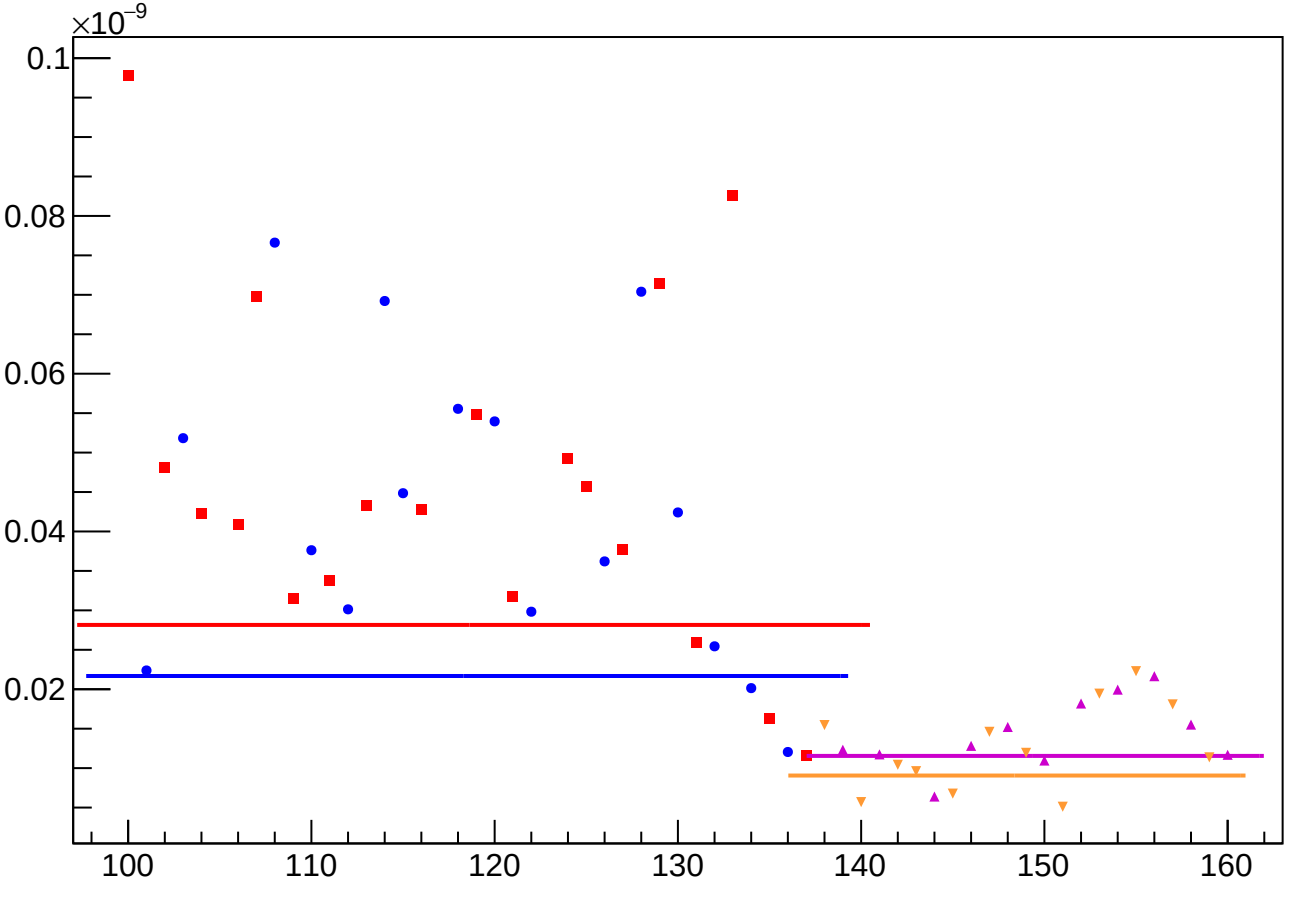
Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:18.7/26

Out: 0.000+/-0.000 χ^2/NDF:21.3/30

All: 0.000+/-0.000 χ^2/NDF: 42.1/57

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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:1440259.0/10

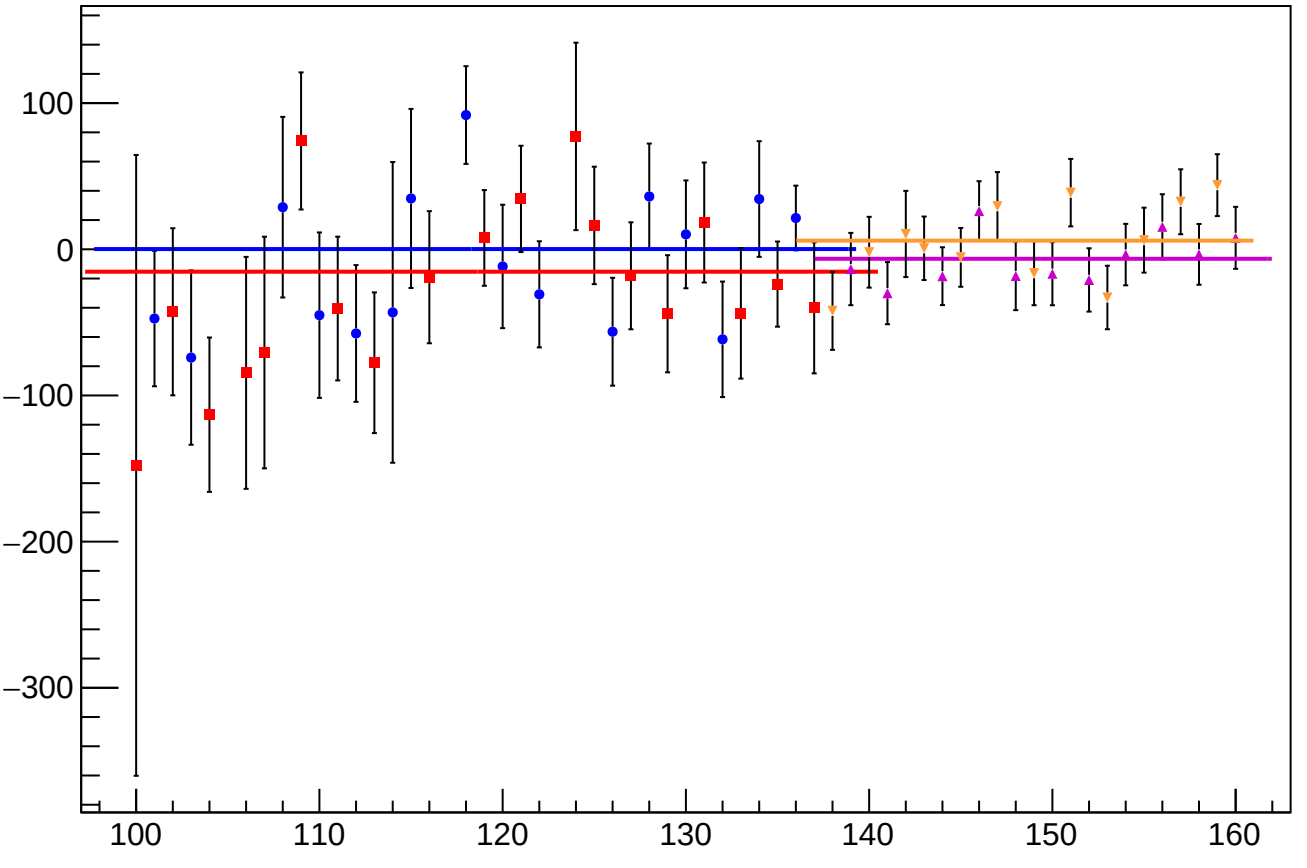
Left: 0.000+/-0.000 χ^2/NDF: 3809844.9/22

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5190061.4/26

Out: 0.000+/-0.000 χ^2/NDF:7649505.2/30

All: 0.000+/-0.000 χ^2/NDF: 13162631.7/57



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: -6.502+/-6.493 χ^2/NDF:6.6/10

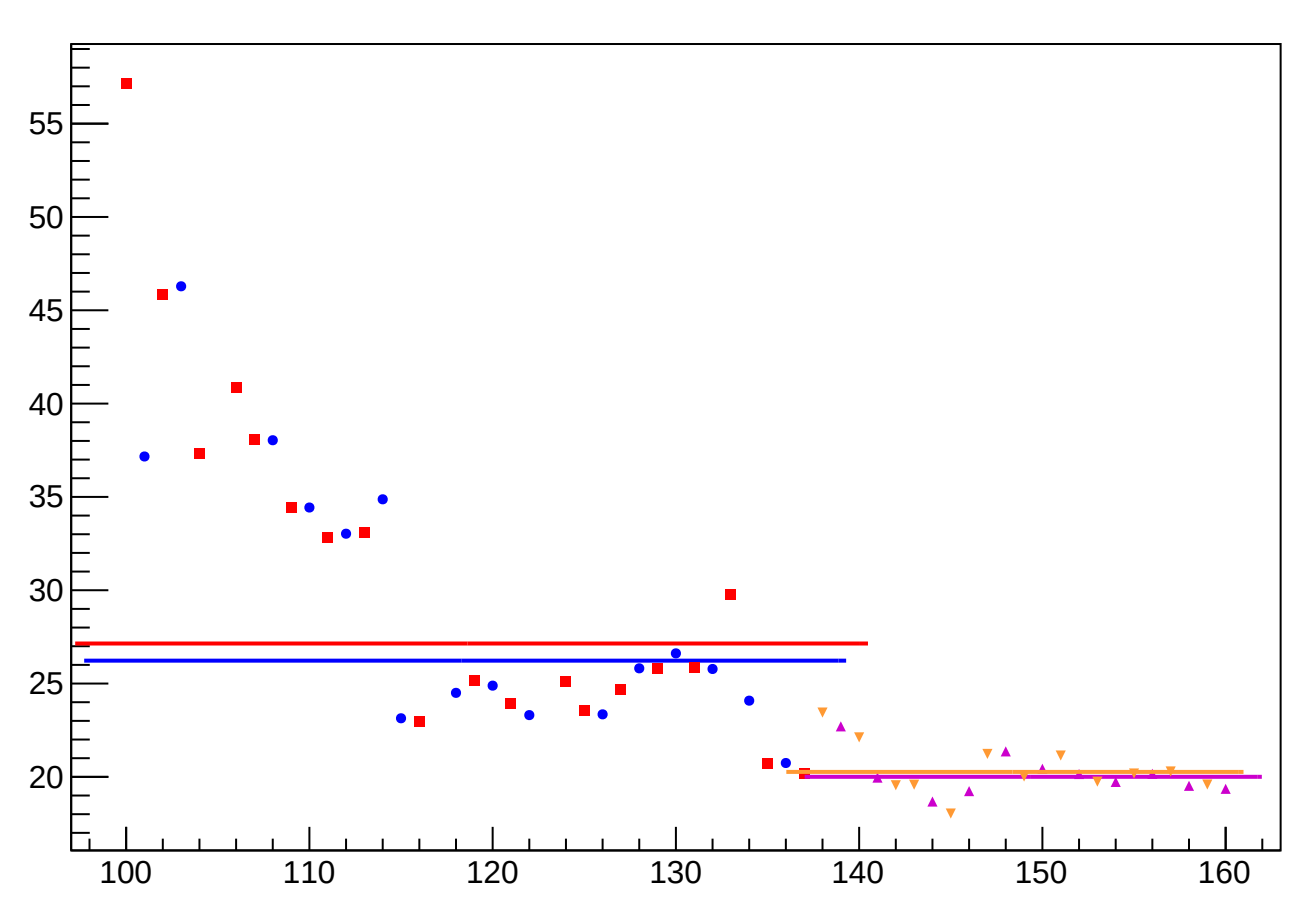
Left: -0.377+/-4.624 χ^2/NDF: 24.1/22

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -4.541+/-5.453 χ^2/NDF:28.2/26

Out: -0.271+/-5.545 χ^2/NDF:36.7/30

All: -2.442+/-3.888 χ^2/NDF: 65.2/57



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: 20.003+/-0.005 χ^2/NDF:46729.9/10

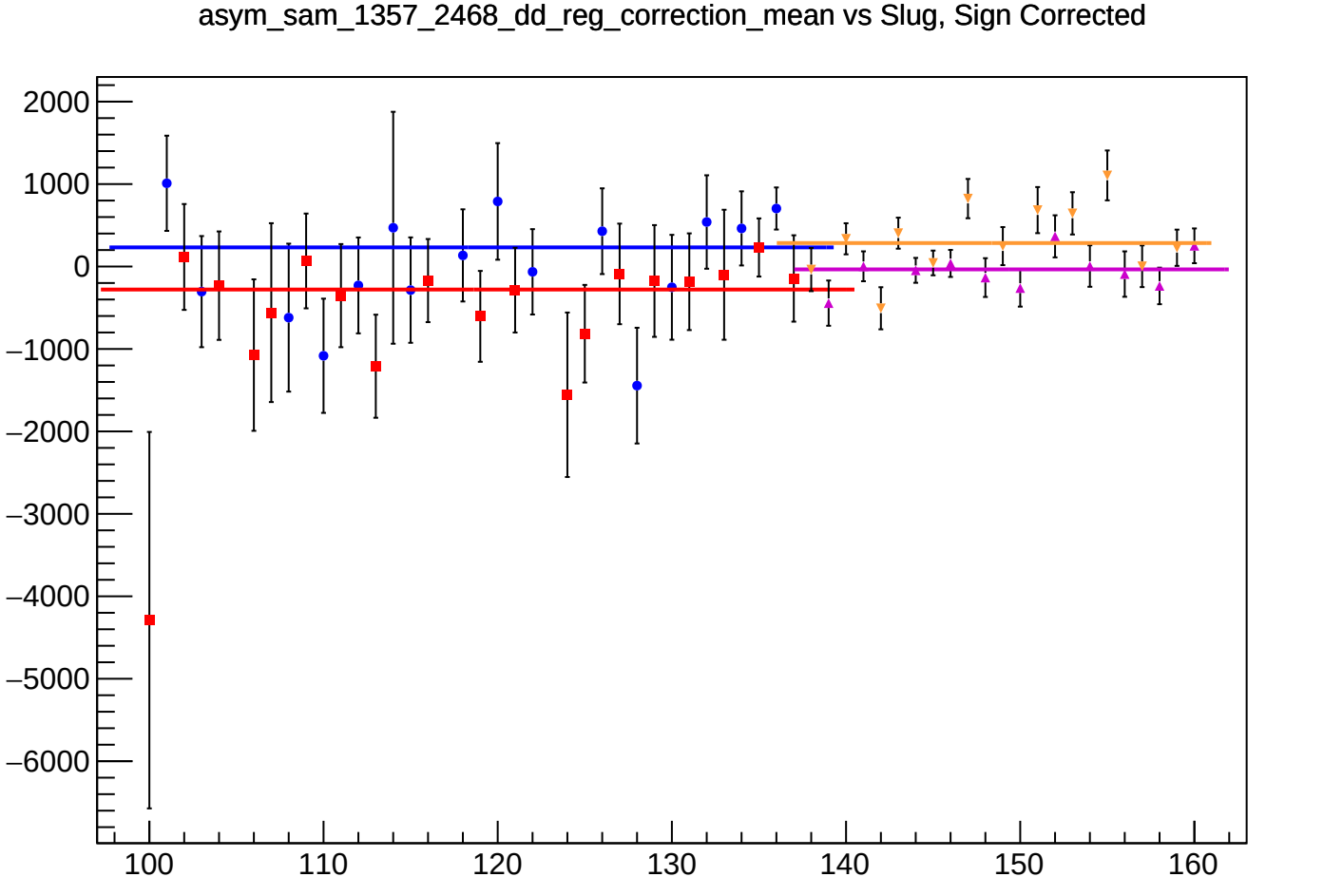
Left: 20.132+/-0.003 χ^2/NDF: 125942.6/22

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.836+/-0.004 χ^2/NDF:1264125.5/26

Out: 22.272+/-0.004 χ^2/NDF:1469094.3/30

All: 22.051+/-0.003 χ^2/NDF: 2739502.0/57



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: -34.749+/-63.260 χ^2/NDF:8.9/10

Left: 122.625+/-45.067 χ^2/NDF: 53.4/22

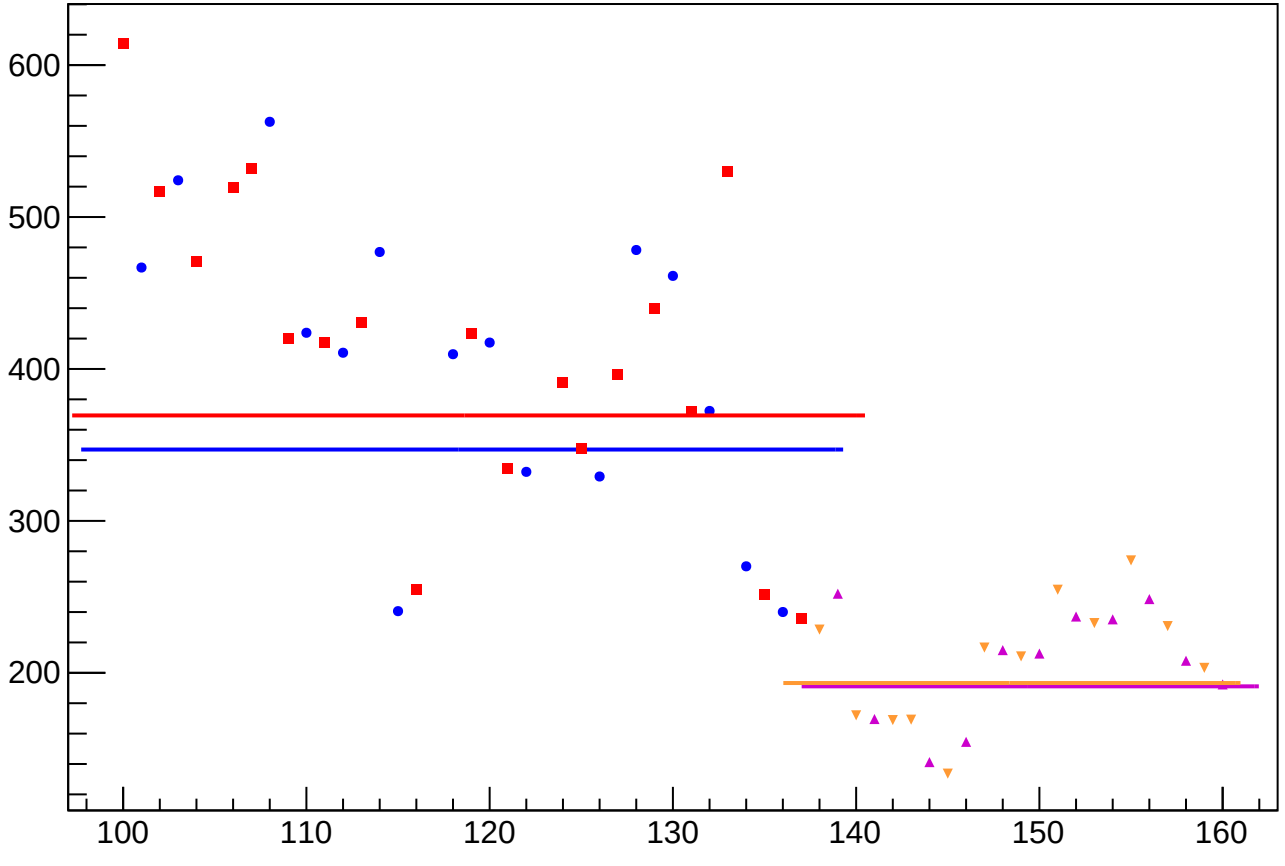
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 13.370+/-57.273 χ^2/NDF:31.7/26

Out: 186.747+/-58.368 χ^2/NDF:57.5/30

All: 98.417+/-40.880 χ^2/NDF: 93.7/57

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: 191.104+/-0.045 χ^2/NDF:708322.7/10

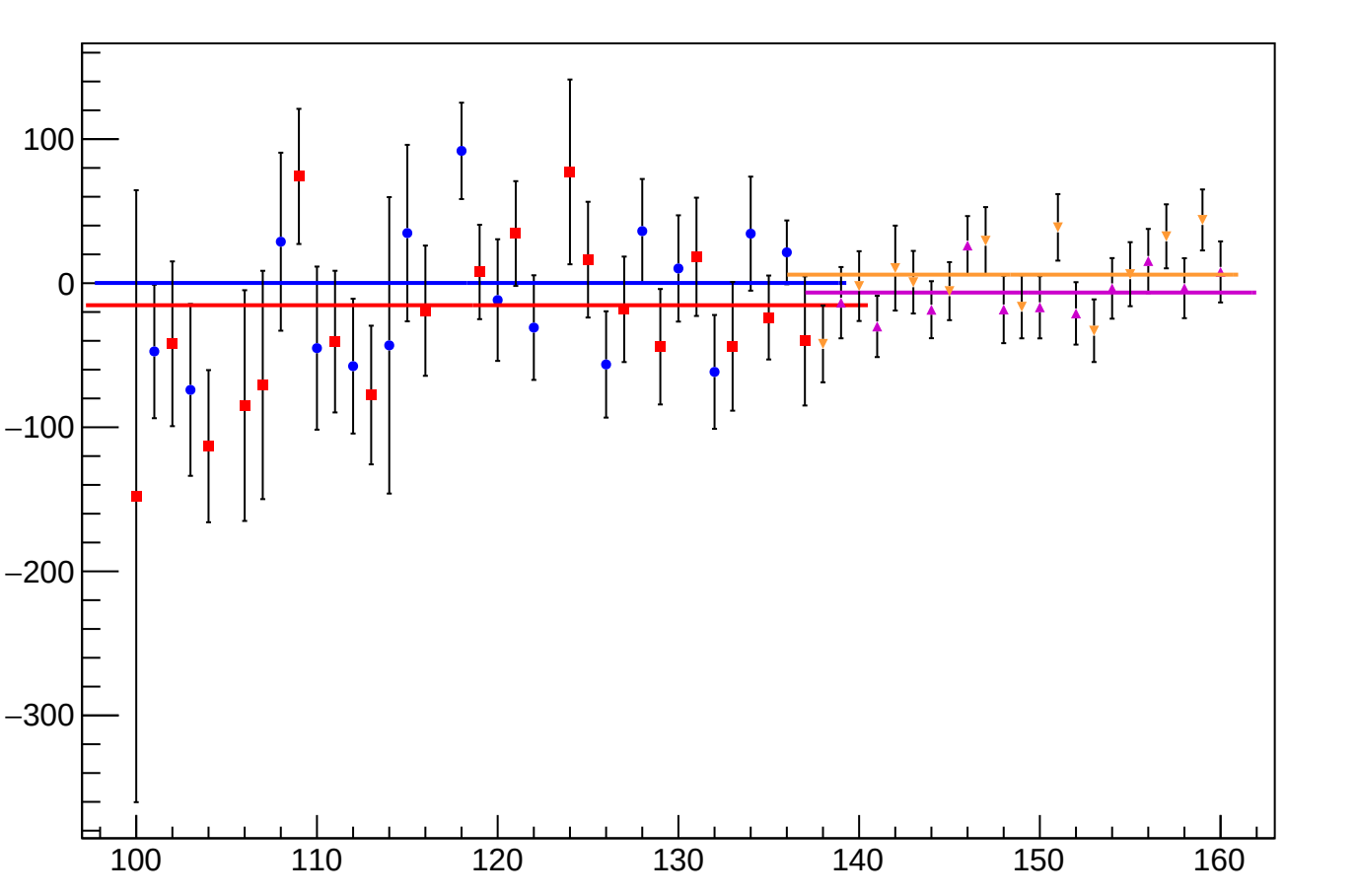
Left: 192.180+/-0.032 χ^2/NDF: 1503995.3/22

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 219.211+/-0.040 χ^2/NDF:3955776.3/26

Out: 223.917+/-0.041 χ^2/NDF:4329395.1/30

All: 221.520+/-0.029 χ^2/NDF: 8291794.7/57



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: -6.503+/-6.493 χ^2/NDF:6.6/10

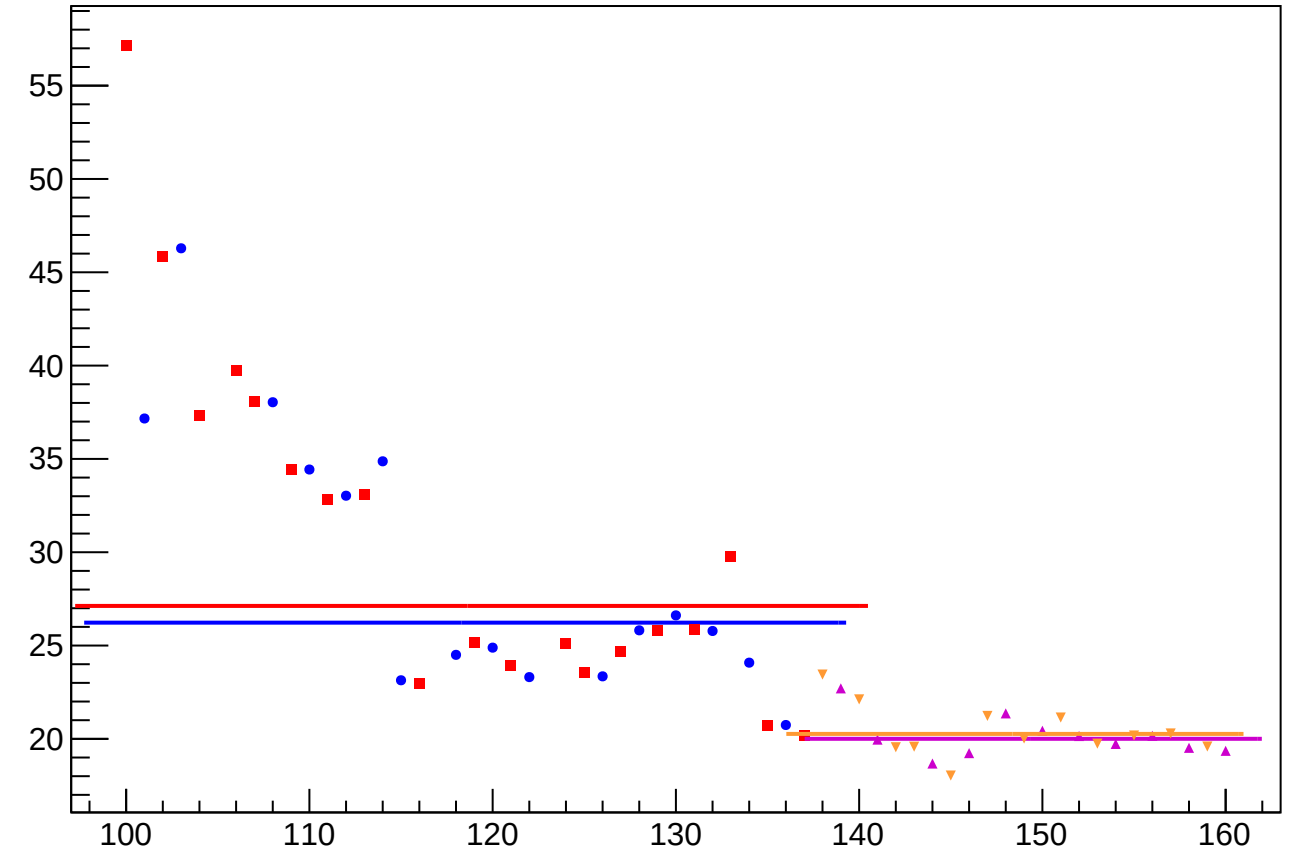
Left: -0.377+/-4.624 χ^2/NDF: 24.1/22

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -4.541+/-5.453 χ^2/NDF:28.2/26

Out: -0.259+/-5.545 χ^2/NDF:36.6/30

All: -2.436+/-3.888 χ^2/NDF: 65.2/57



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: 20.003+/-0.005 χ^2/NDF:46729.9/10

Left: 20.132+/-0.003 χ^2/NDF: 125942.6/22

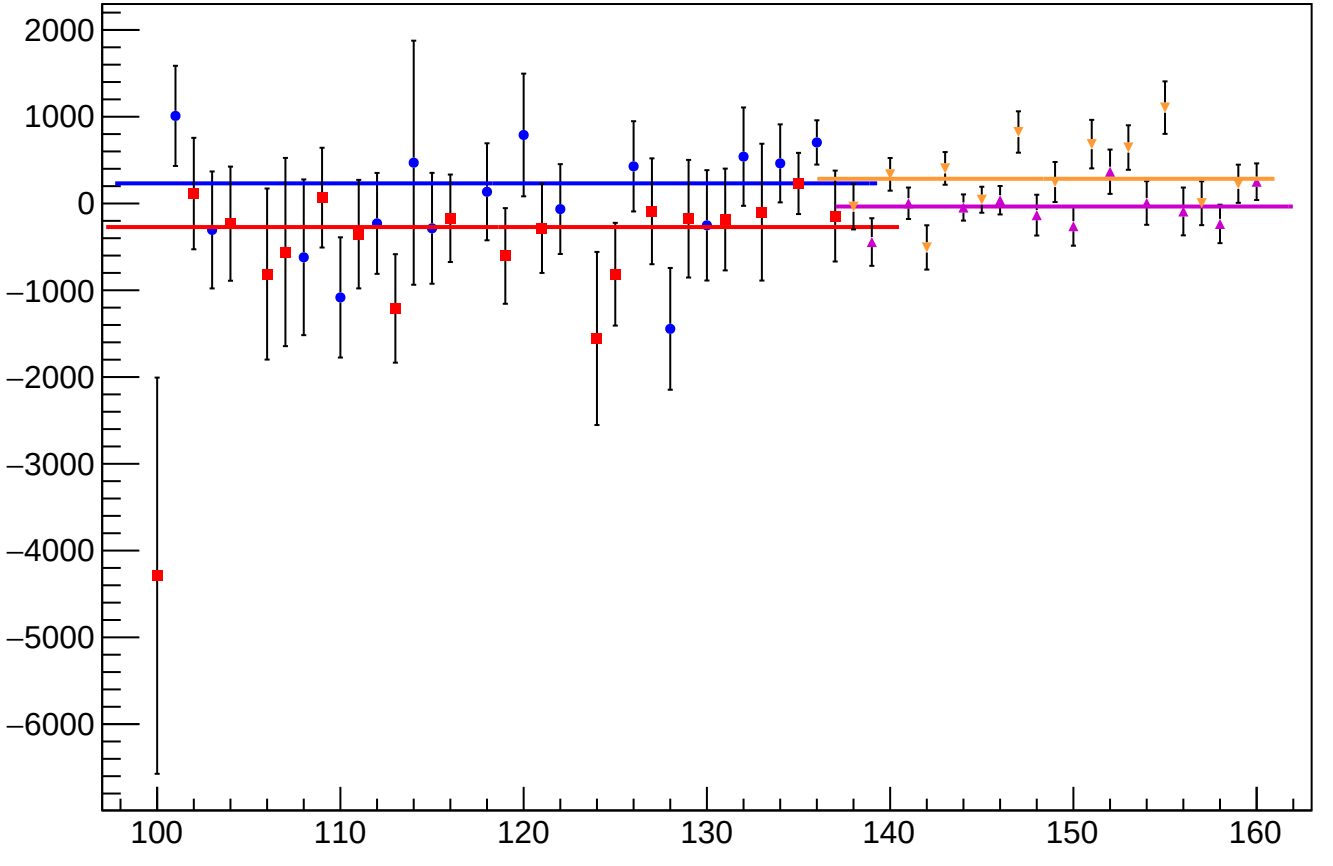
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.836+/-0.004 χ^2/NDF:1264128.9/26

Out: 22.265+/-0.004 χ^2/NDF:1455155.4/30

All: 22.047+/-0.003 χ^2/NDF: 2725369.9/57

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.799+/-64.218 χ^2/NDF:32.0/11

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -34.750+/-63.260 χ^2/NDF:8.9/10

Left: 122.623+/-45.067 χ^2/NDF: 53.4/22

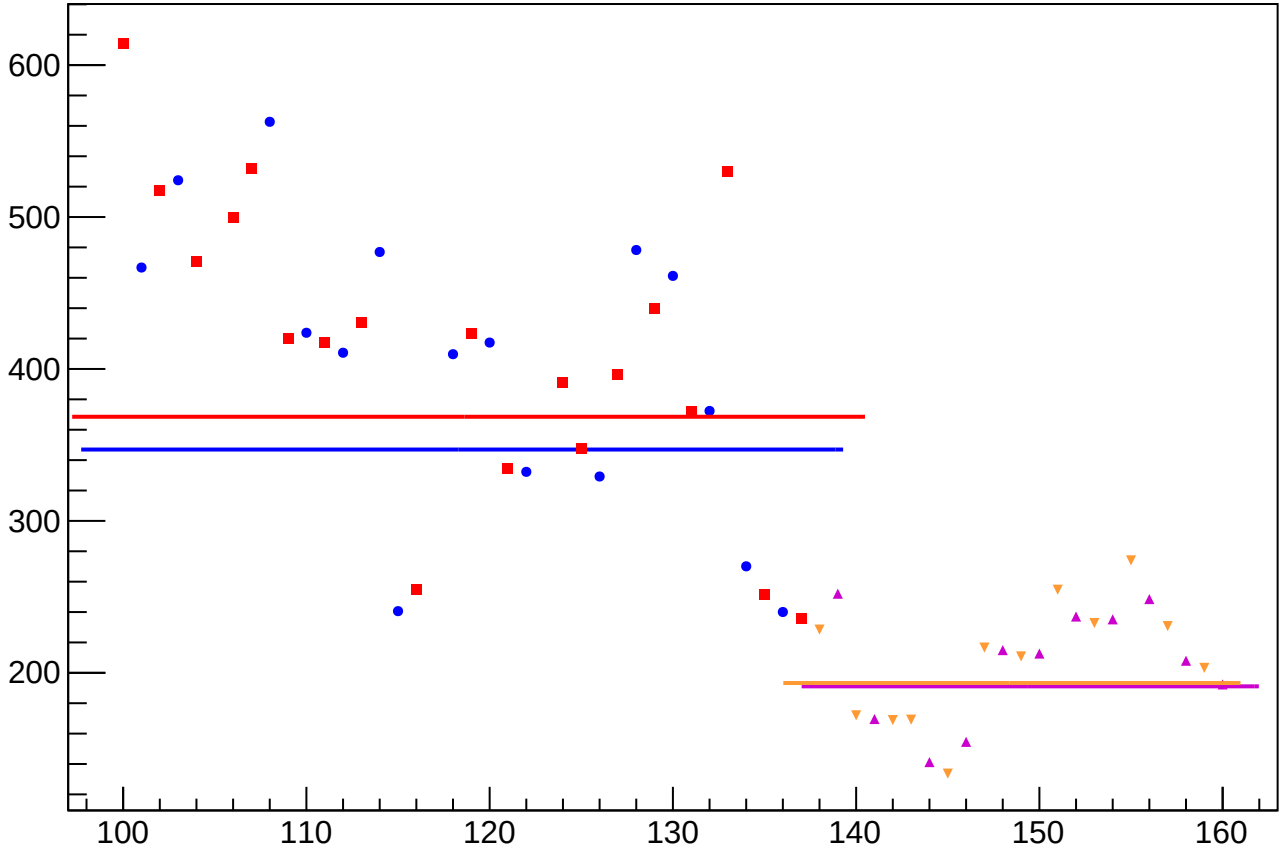
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 13.368+/-57.273 χ^2/NDF:31.7/26

Out: 188.320+/-58.384 χ^2/NDF:56.6/30

All: 99.164+/-40.885 χ^2/NDF: 92.9/57

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 193.289+/-0.045 χ^2/NDF:794501.2/11

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

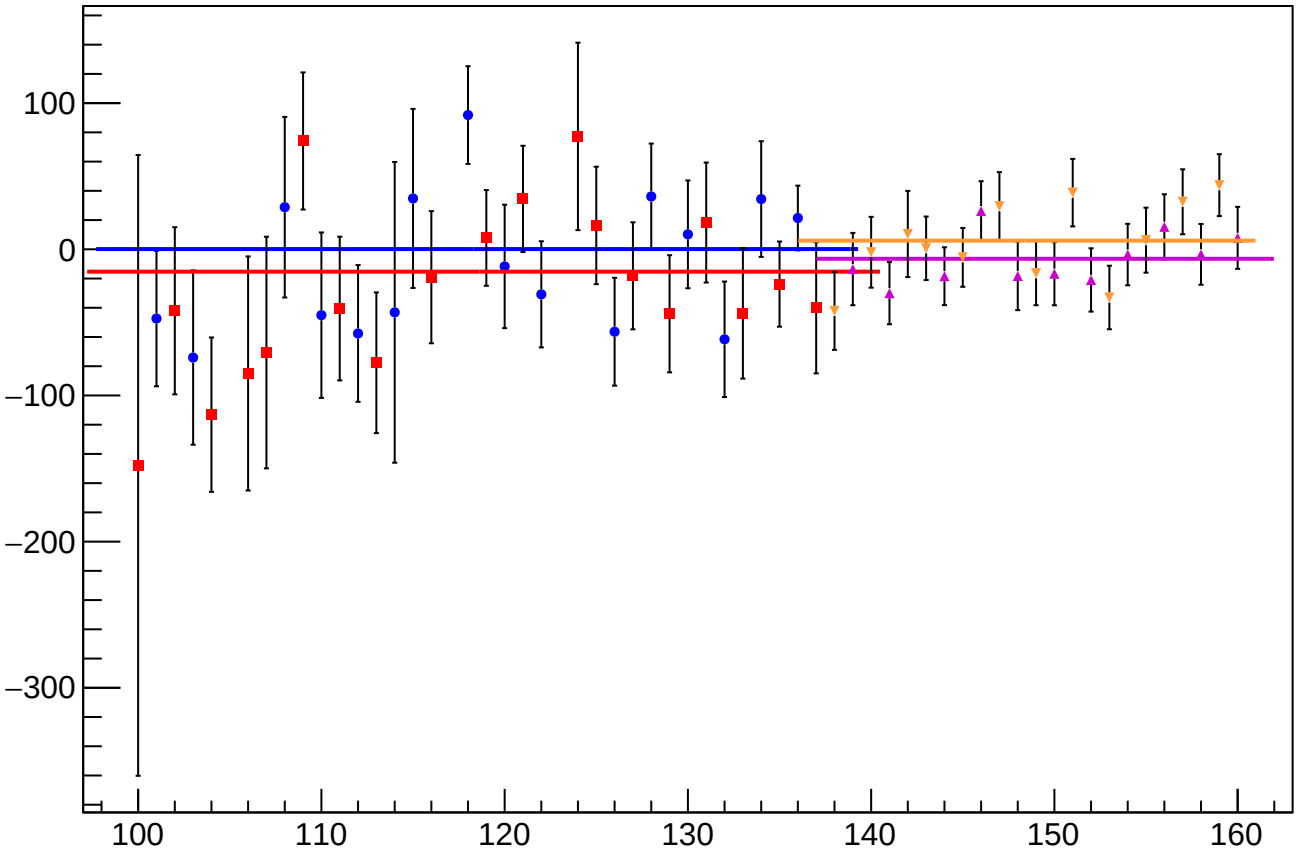
Left: 192.180+/-0.032 χ^2/NDF: 1503996.4/22

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.211+/-0.040 χ^2/NDF:3955797.9/26

Out: 223.688+/-0.041 χ^2/NDF:4278435.8/30

All: 221.407+/-0.029 χ^2/NDF: 8240226.3/57



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: -6.503+/-6.493 χ^2/NDF:6.6/10

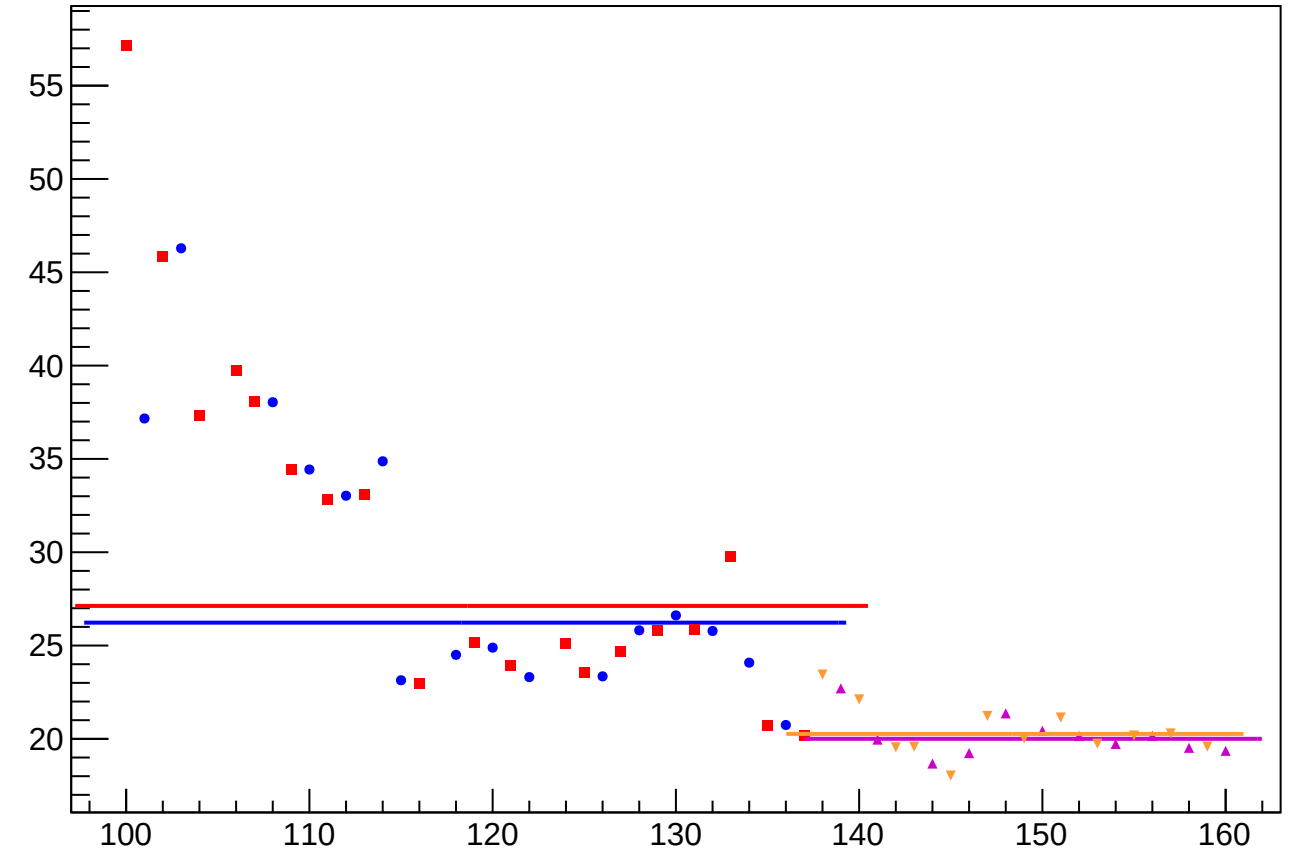
Left: -0.377+/-4.624 χ^2/NDF: 24.1/22

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -4.541+/-5.453 χ^2/NDF:28.2/26

Out: -0.259+/-5.545 χ^2/NDF:36.6/30

All: -2.436+/-3.888 χ^2/NDF: 65.2/57



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: 20.003+/-0.005 χ^2/NDF:46729.9/10

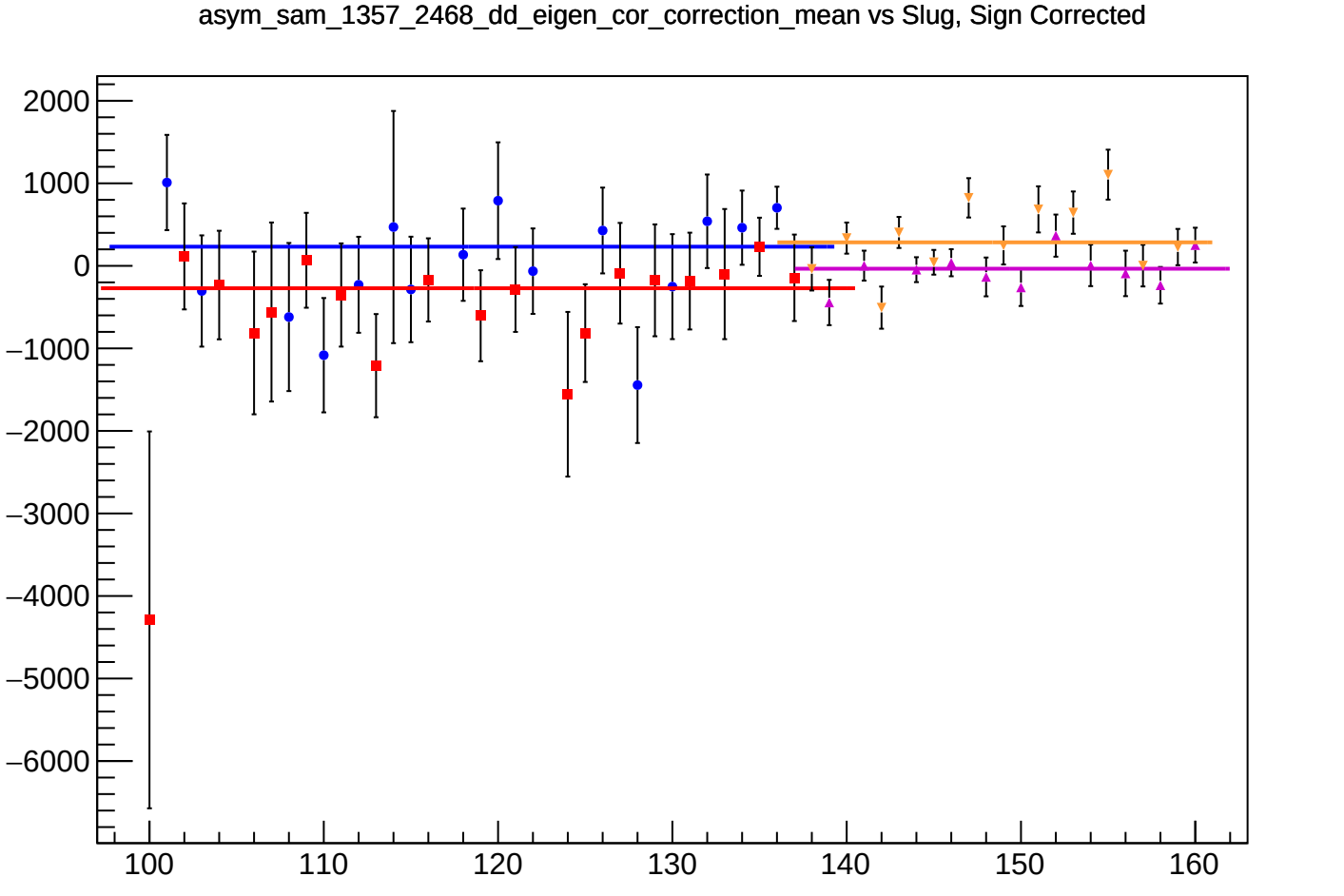
Left: 20.132+/-0.003 χ^2/NDF: 125942.6/22

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.836+/-0.004 χ^2/NDF:1264128.9/26

Out: 22.265+/-0.004 χ^2/NDF:1455155.4/30

All: 22.047+/-0.003 χ^2/NDF: 2725369.9/57



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: -34.750+/-63.260 χ^2/NDF:8.9/10

Left: 122.623+/-45.067 χ^2/NDF: 53.4/22

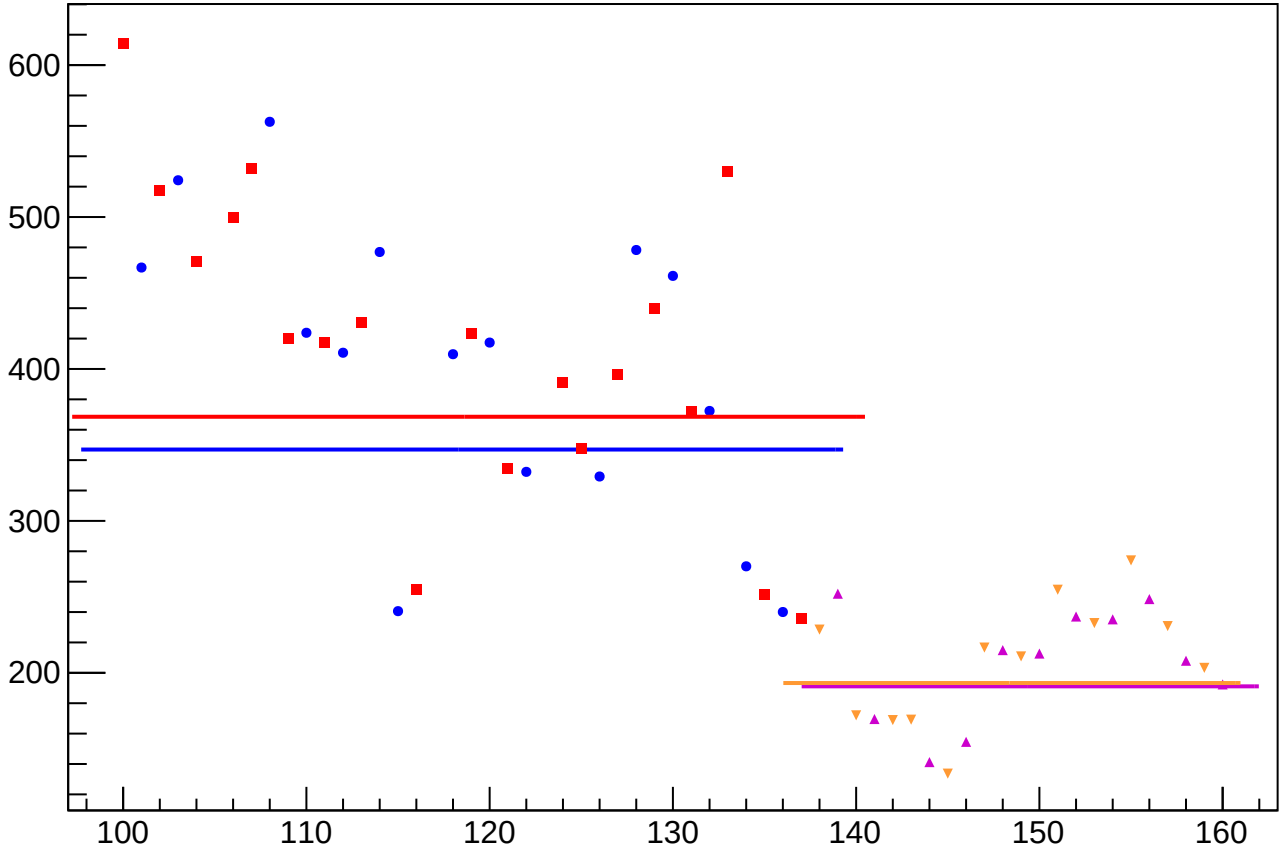
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 13.368+/-57.273 χ^2/NDF:31.7/26

Out: 188.320+/-58.384 χ^2/NDF:56.6/30

All: 99.164+/-40.885 χ^2/NDF: 92.9/57

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: 191.104+/-0.045 χ^2/NDF:708320.6/10

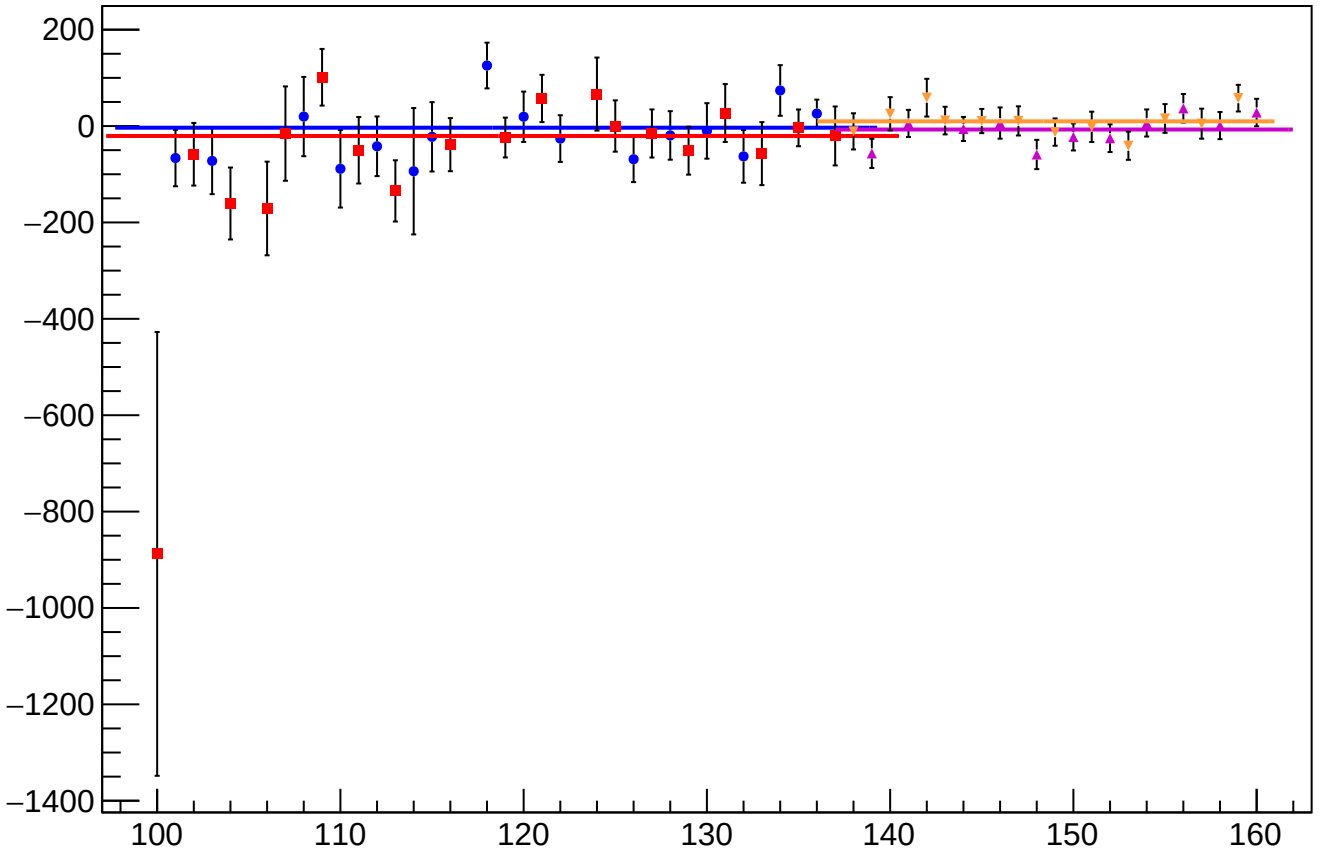
Left: 192.180+/-0.032 χ^2/NDF: 1503996.4/22

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.211+/-0.040 χ^2/NDF:3955797.9/26

Out: 223.688+/-0.041 χ^2/NDF:4278435.8/30

All: 221.407+/-0.029 χ^2/NDF: 8240226.3/57



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: -7.182+/-8.653 χ^2/NDF:10.7/10

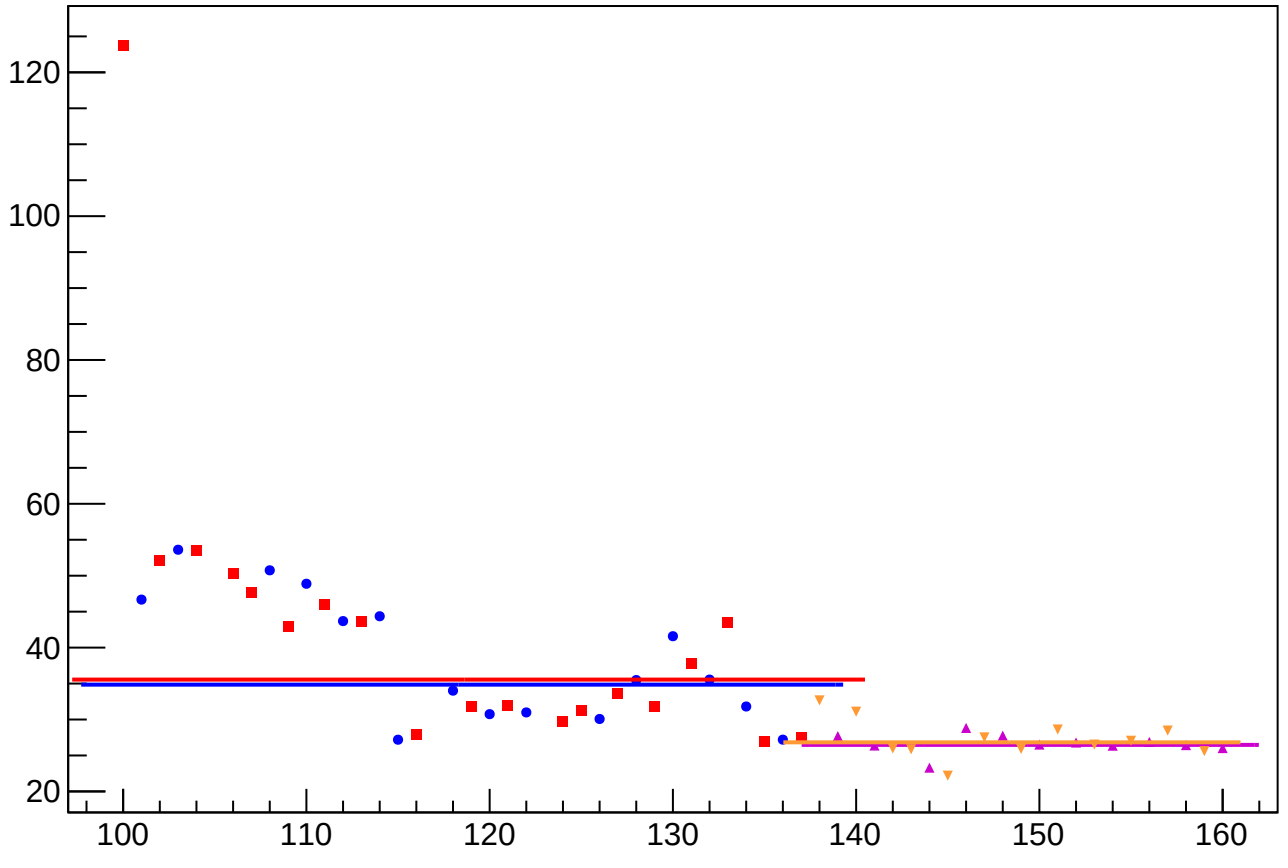
Left: 1.192+/-6.161 χ^2/NDF: 21.5/22

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -6.075+/-7.268 χ^2/NDF:29.2/26

Out: 0.759+/-7.353 χ^2/NDF:35.7/30

All: -2.698+/-5.169 χ^2/NDF: 65.3/57



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: 26.471+/-0.006 χ^2/NDF:50746.8/10

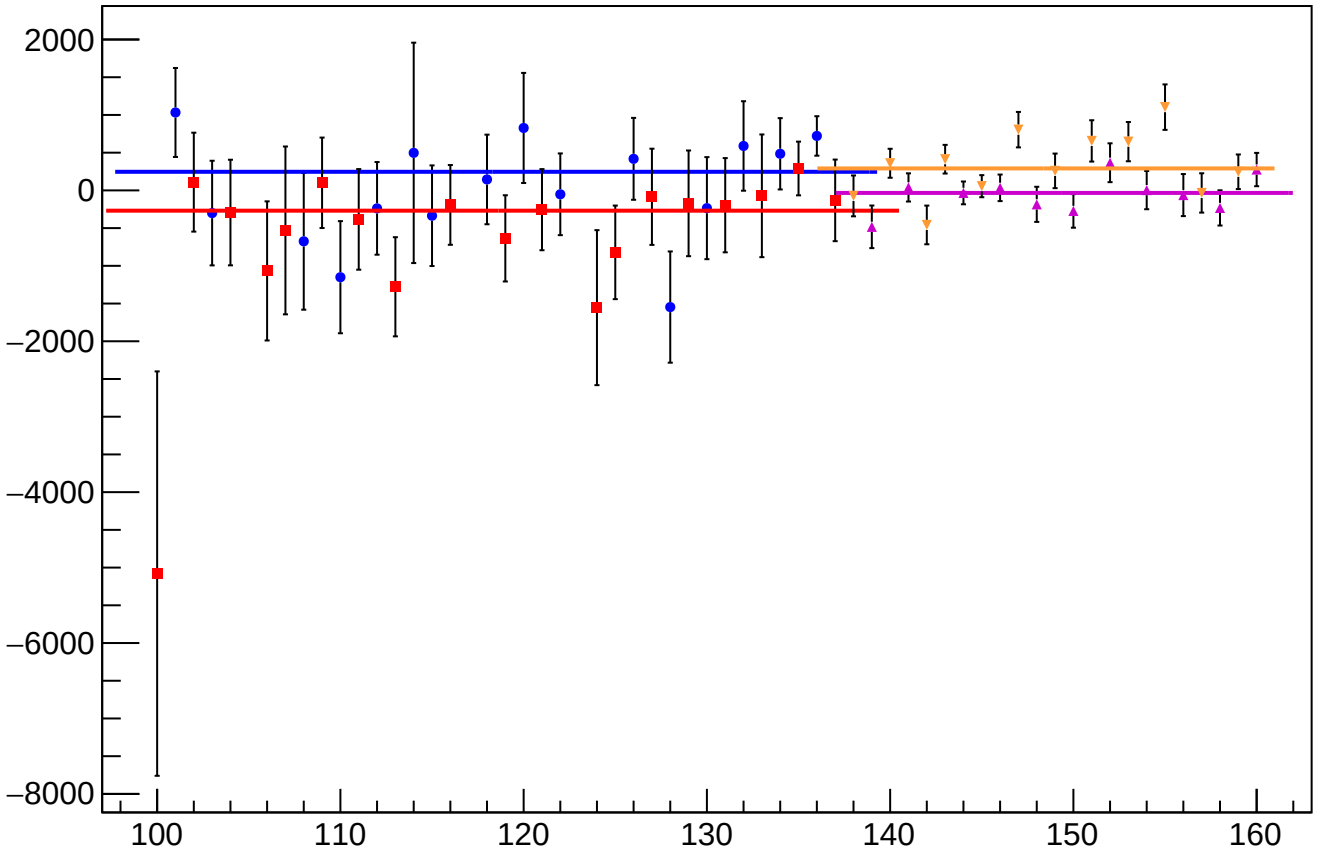
Left: 26.647+/-0.004 χ^2/NDF: 222110.3/22

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.939+/-0.005 χ^2/NDF:1261266.3/26

Out: 29.426+/-0.005 χ^2/NDF:1538447.0/30

All: 29.179+/-0.004 χ^2/NDF: 2804151.8/57



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: -33.514+/-64.787 χ^2/NDF:9.5/10

Left: 129.586+/-45.710 χ^2/NDF: 52.9/22

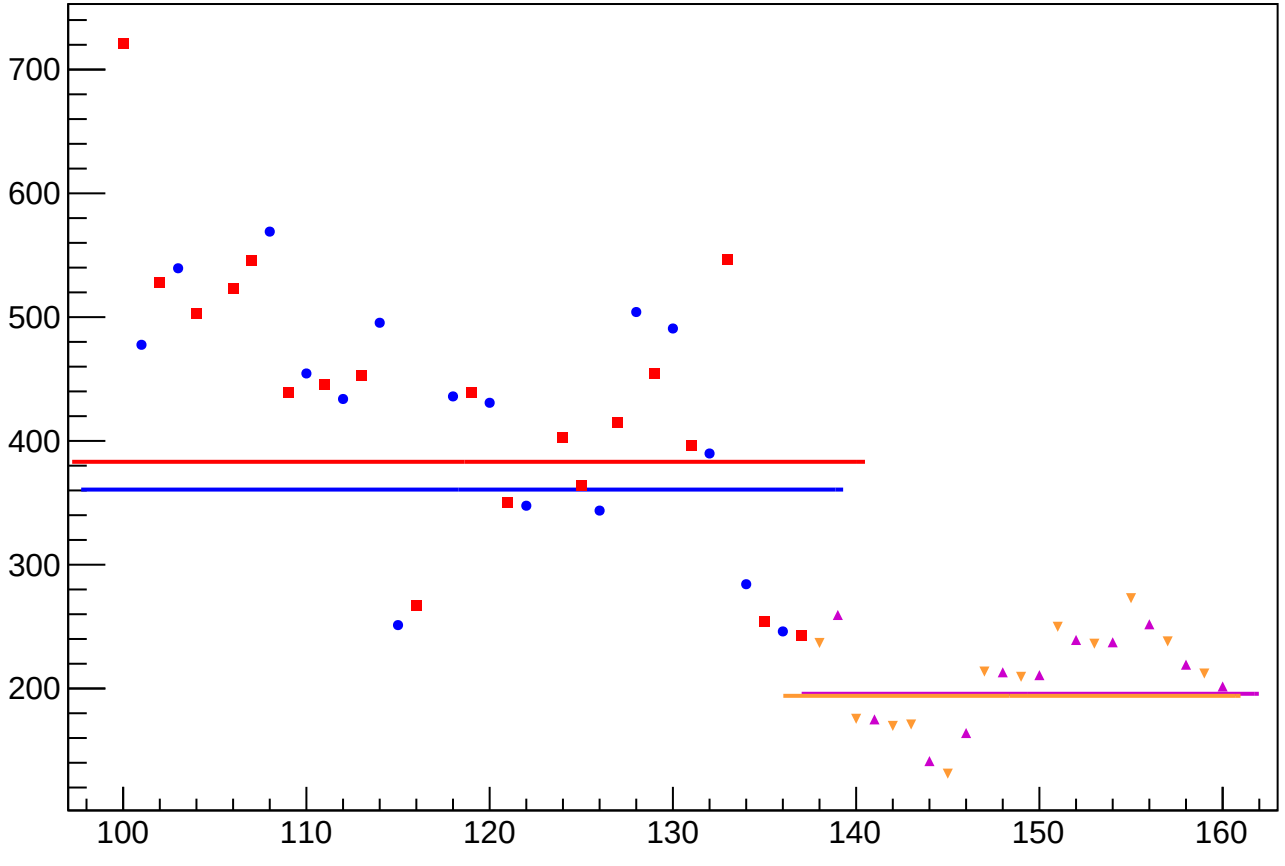
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 15.716+/-58.817 χ^2/NDF:32.6/26

Out: 199.029+/-58.953 χ^2/NDF:55.8/30

All: 107.161+/-41.638 χ^2/NDF: 93.2/57

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: 195.733+/-0.046 χ^2/NDF:684317.4/10

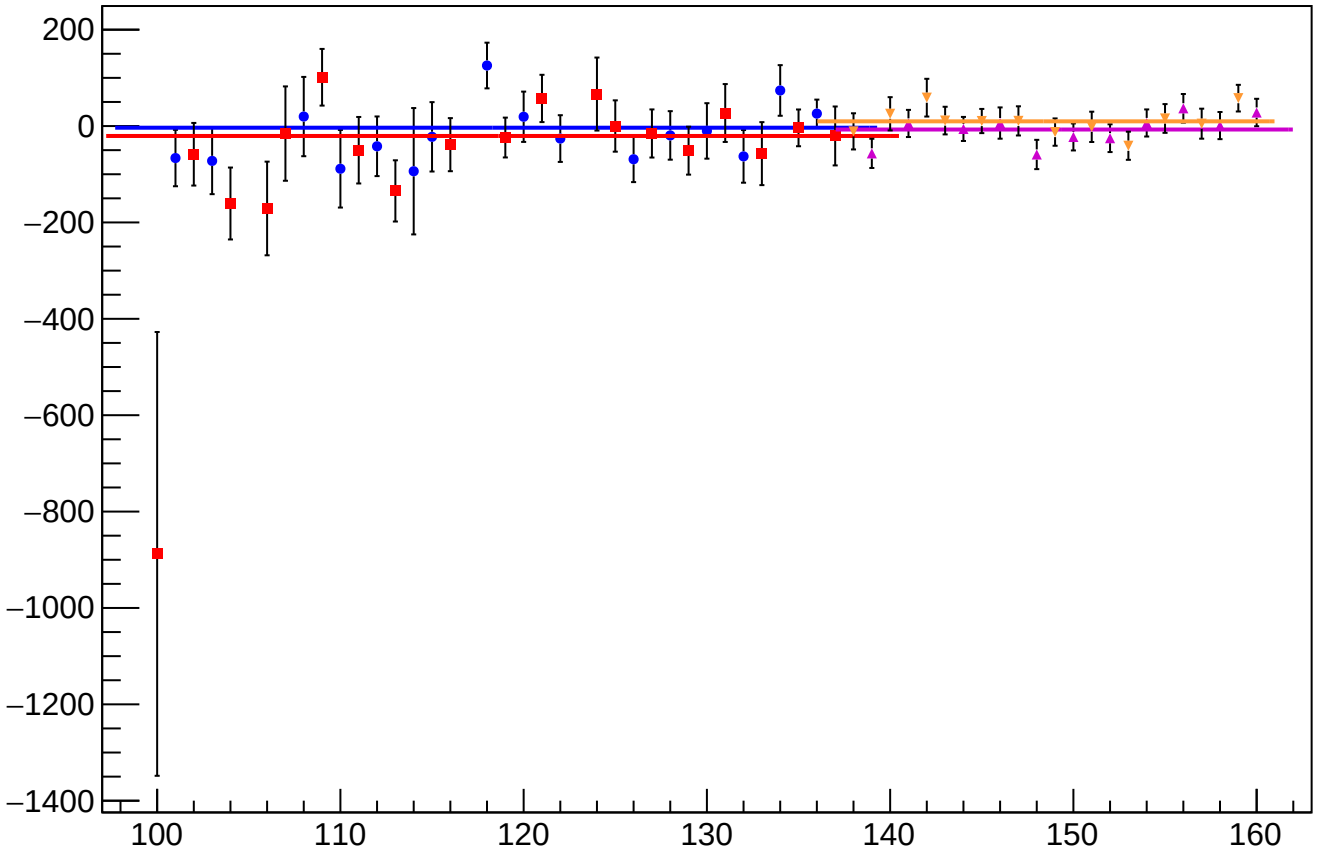
Left: 194.903+/-0.032 χ^2/NDF: 1534781.9/22

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 224.735+/-0.042 χ^2/NDF:4056630.0/26

Out: 225.203+/-0.042 χ^2/NDF:4641517.3/30

All: 224.968+/-0.029 χ^2/NDF: 8698210.6/57



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: -7.182+/-8.653 χ^2/NDF:10.7/10

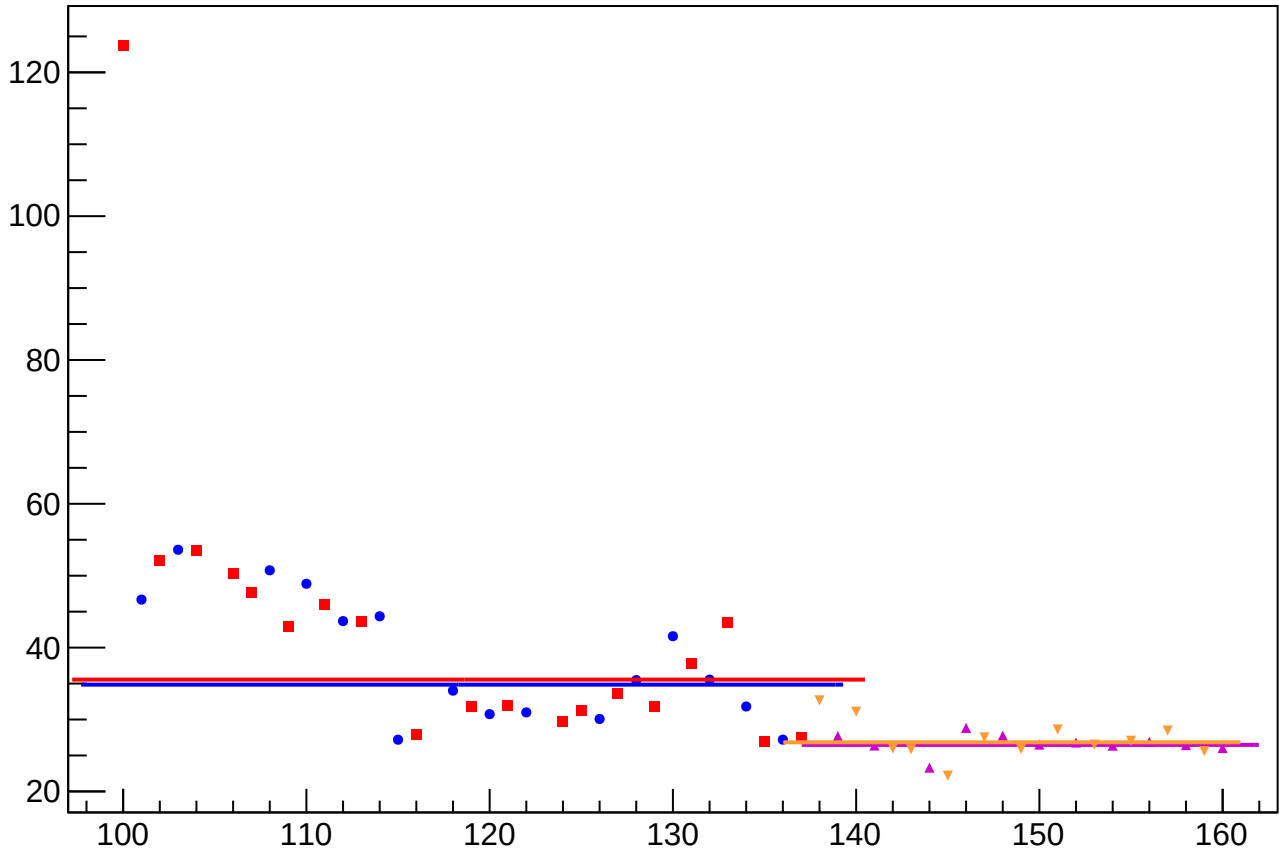
Left: 1.192+/-6.161 χ^2/NDF: 21.5/22

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -6.075+/-7.268 χ^2/NDF:29.2/26

Out: 0.759+/-7.353 χ^2/NDF:35.6/30

All: -2.698+/-5.169 χ^2/NDF: 65.3/57



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: 26.471+/-0.006 χ^2/NDF:50743.7/10

Left: 26.647+/-0.004 χ^2/NDF: 222096.2/22

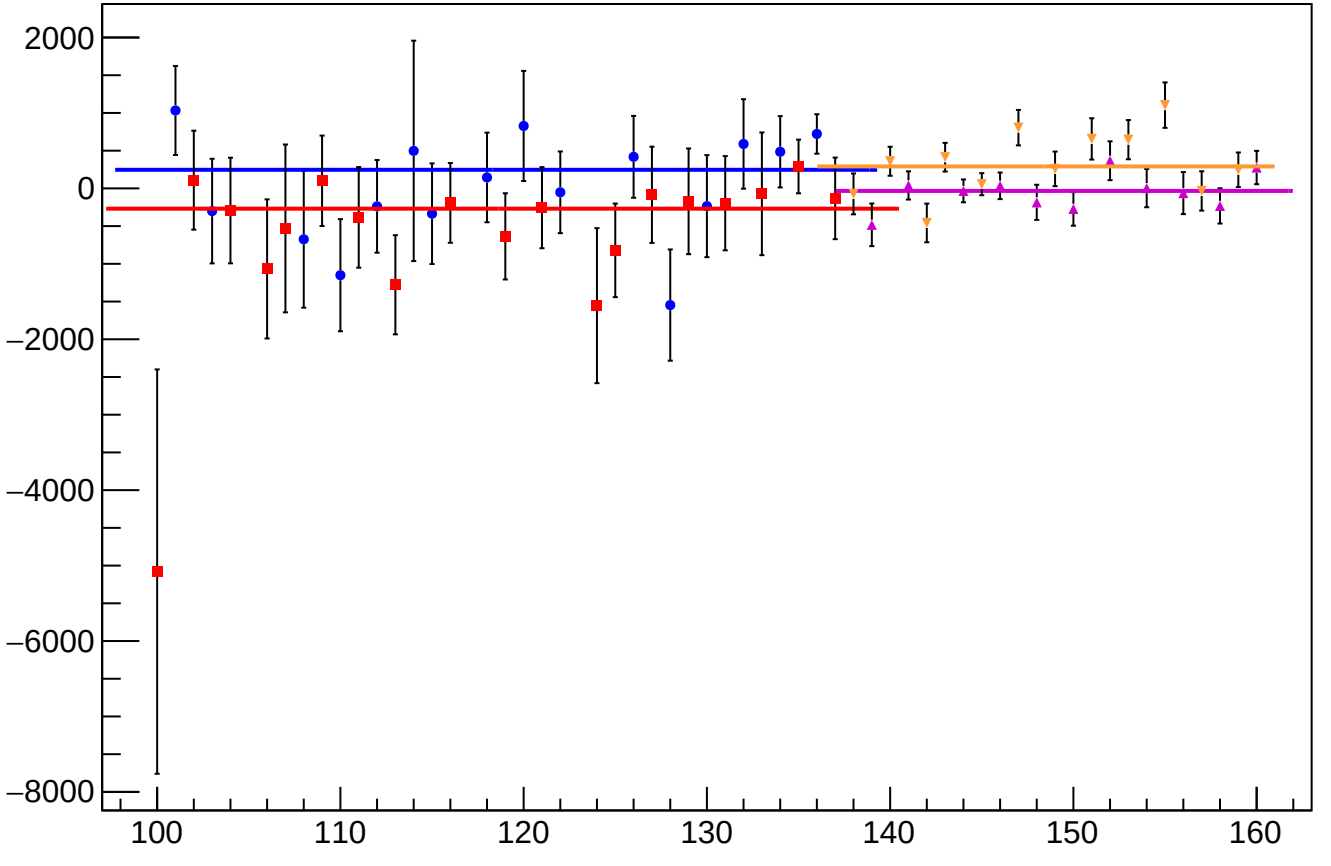
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.939+/-0.005 χ^2/NDF:1261151.9/26

Out: 29.426+/-0.005 χ^2/NDF:1538347.2/30

All: 29.179+/-0.004 χ^2/NDF: 2803938.6/57

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 291.247+/-64.501 χ^2/NDF:30.8/11

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -33.514+/-64.787 χ^2/NDF:9.5/10

Left: 129.586+/-45.710 χ^2/NDF: 52.9/22

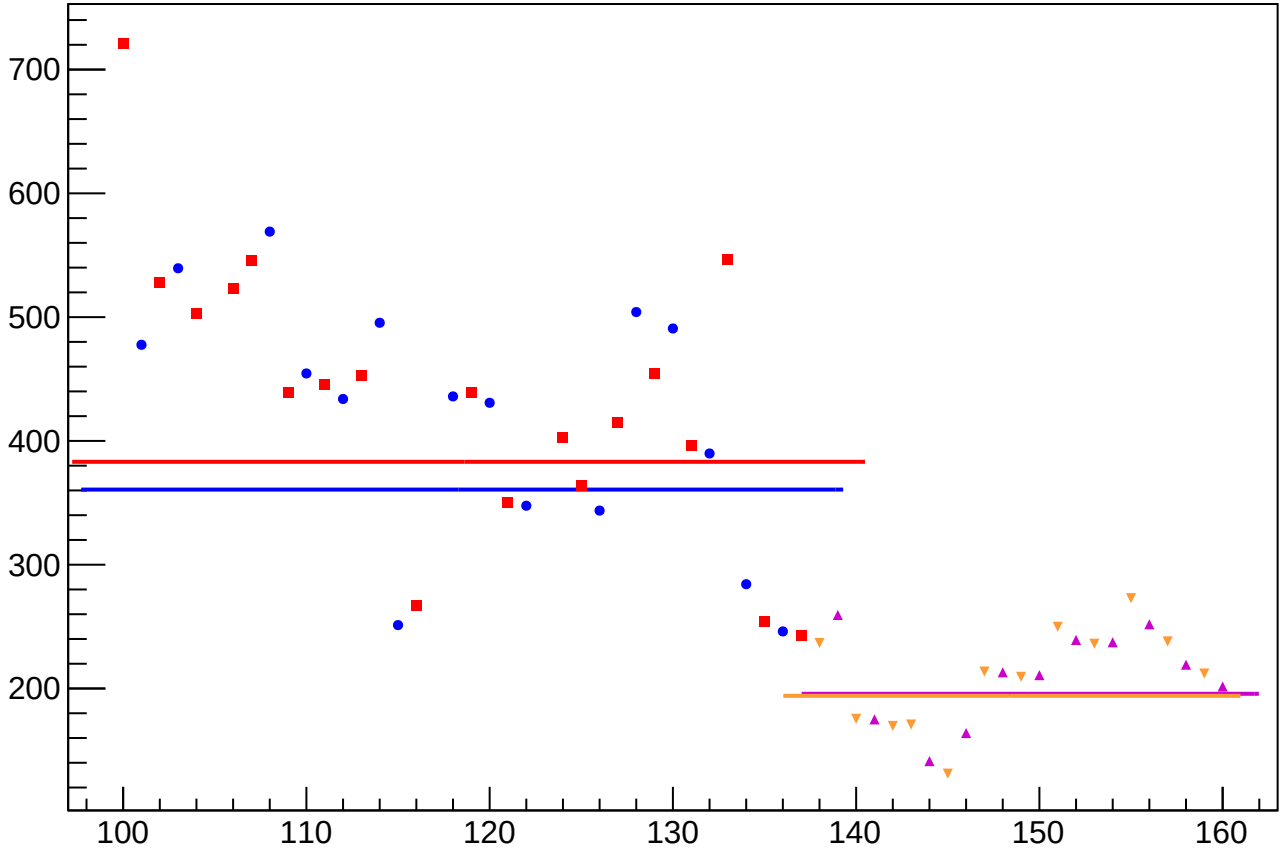
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 15.716+/-58.817 χ^2/NDF:32.6/26

Out: 199.028+/-58.953 χ^2/NDF:55.8/30

All: 107.161+/-41.638 χ^2/NDF: 93.2/57

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: 195.733+/-0.046 χ^2/NDF:684321.6/10

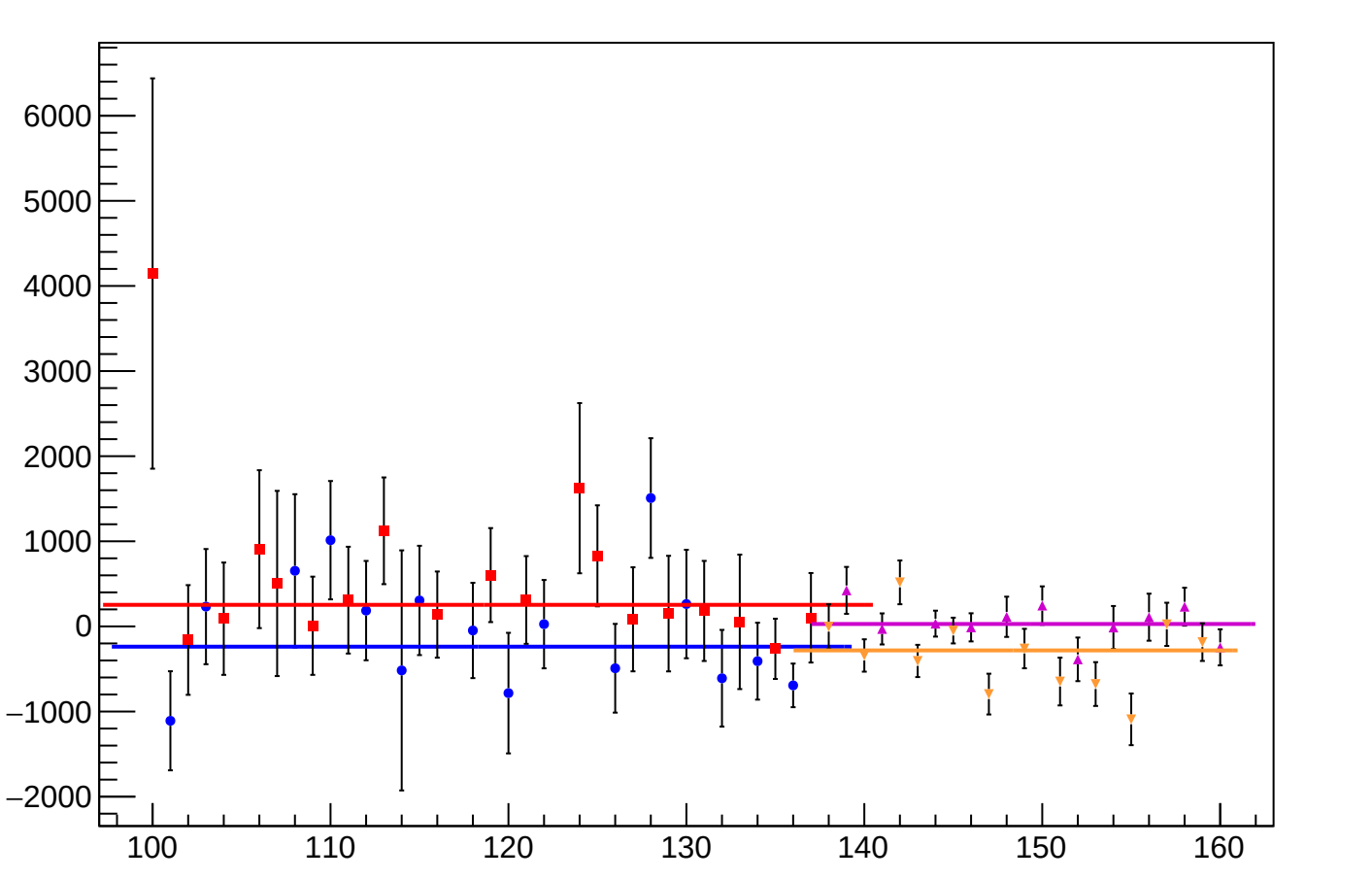
Left: 194.902+/-0.032 χ^2/NDF: 1534804.7/22

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

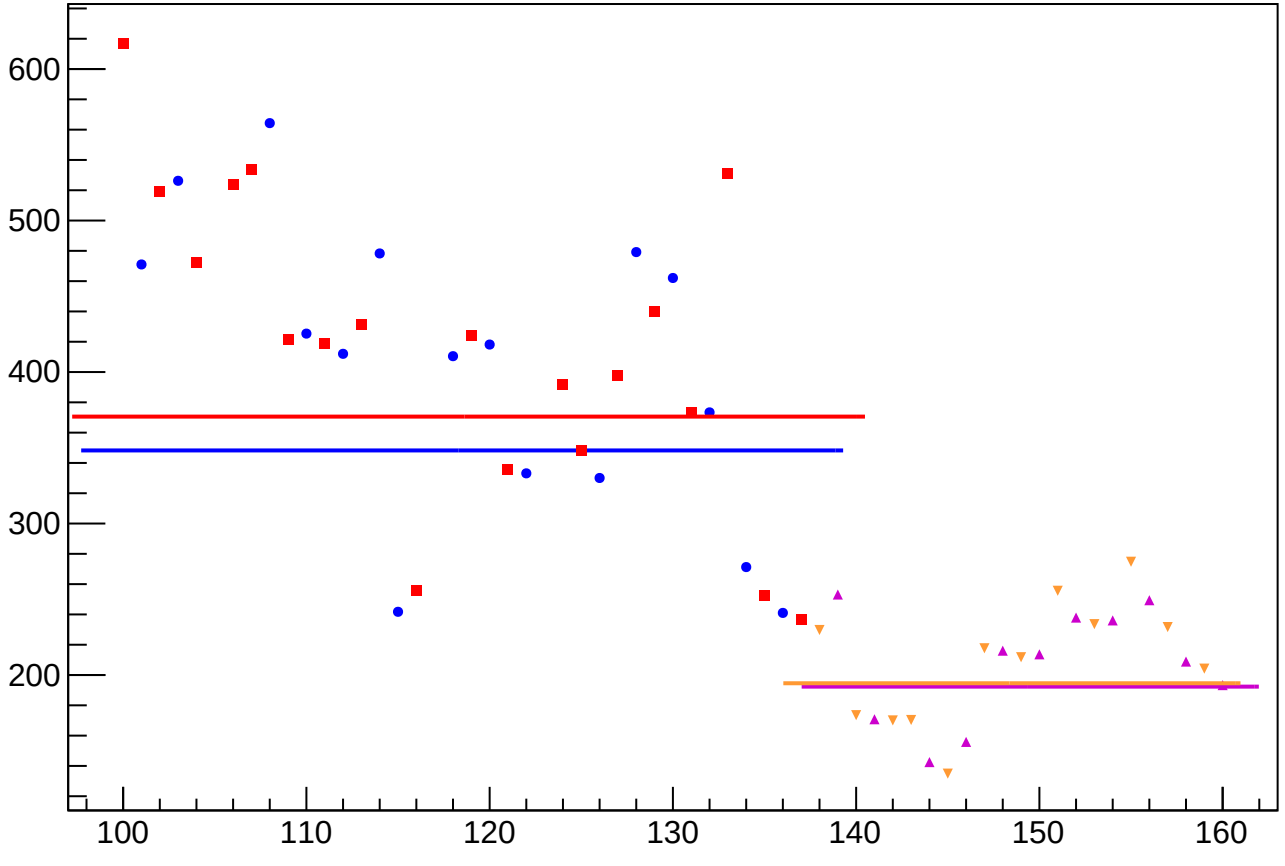
In: 224.734+/-0.042 χ^2/NDF:4056624.2/26

Out: 225.202+/-0.042 χ^2/NDF:4641536.2/30

All: 224.968+/-0.029 χ^2/NDF: 8698223.6/57


asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: -238.043+/-135.349 χ²/NDF: 19.9/15
Left Out: -281.890+/-64.611 χ²/NDF:31.1/11
Right Out: 253.445+/-140.414 χ²/NDF: 11.7/18
Left In: 28.531+/-63.642 χ²/NDF:8.5/10
Left: -124.335+/-45.341 χ²/NDF: 51.3/22
Right: -1.323+/-97.448 χ²/NDF: 38.0/34
In: -19.736+/-57.593 χ²/NDF:31.6/26
Out: -188.347+/-58.695 χ²/NDF:54.8/30
All: -102.444+/-41.109 χ²/NDF: 90.6/57

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: 192.342+/-0.045 χ^2/NDF:694196.3/10

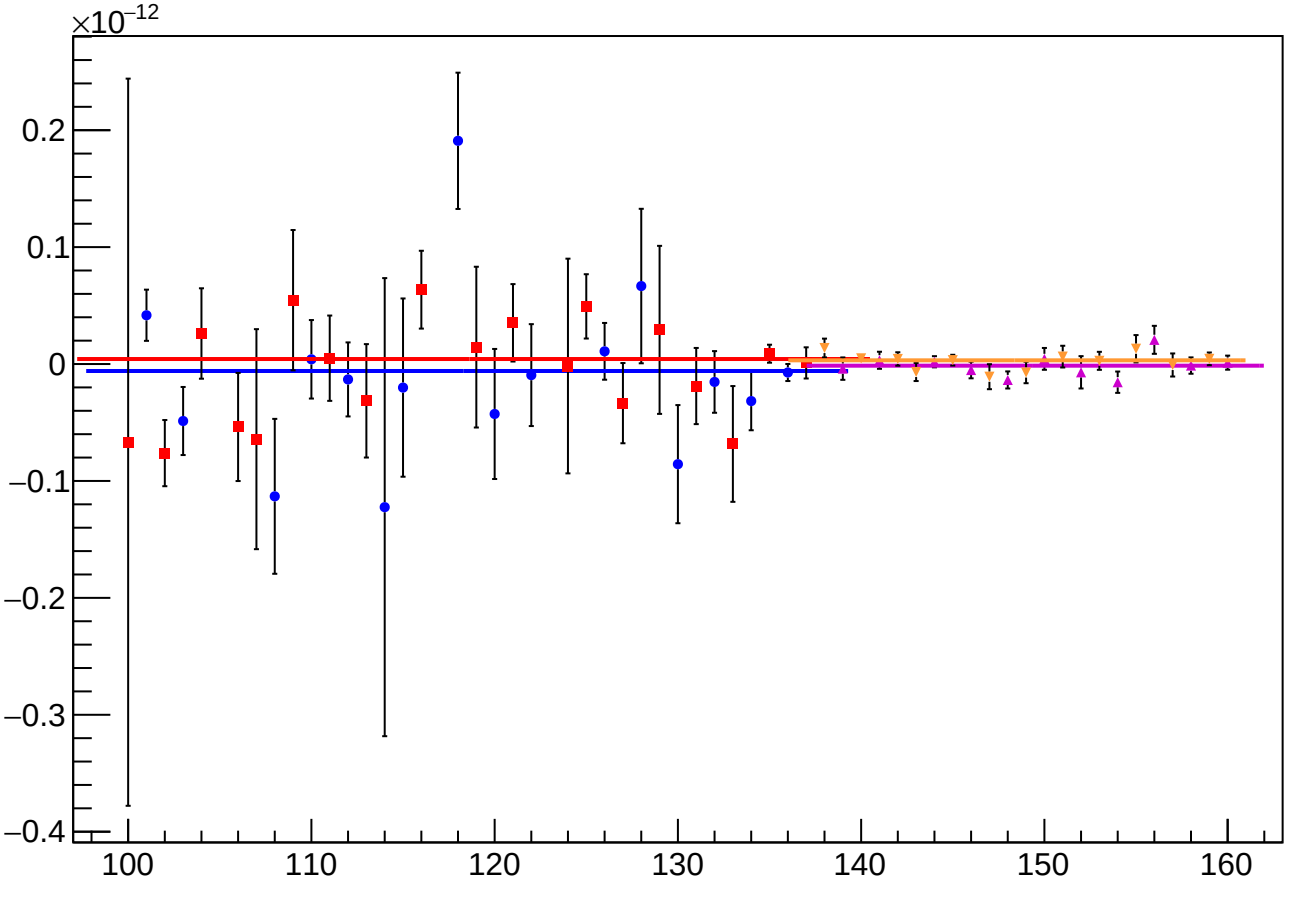
Left: 193.437+/-0.032 χ^2/NDF: 1474544.7/22

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 220.572+/-0.041 χ^2/NDF:3924309.4/26

Out: 225.322+/-0.042 χ^2/NDF:4290806.3/30

All: 222.902+/-0.029 χ^2/NDF: 8221788.9/57



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:10.6/10

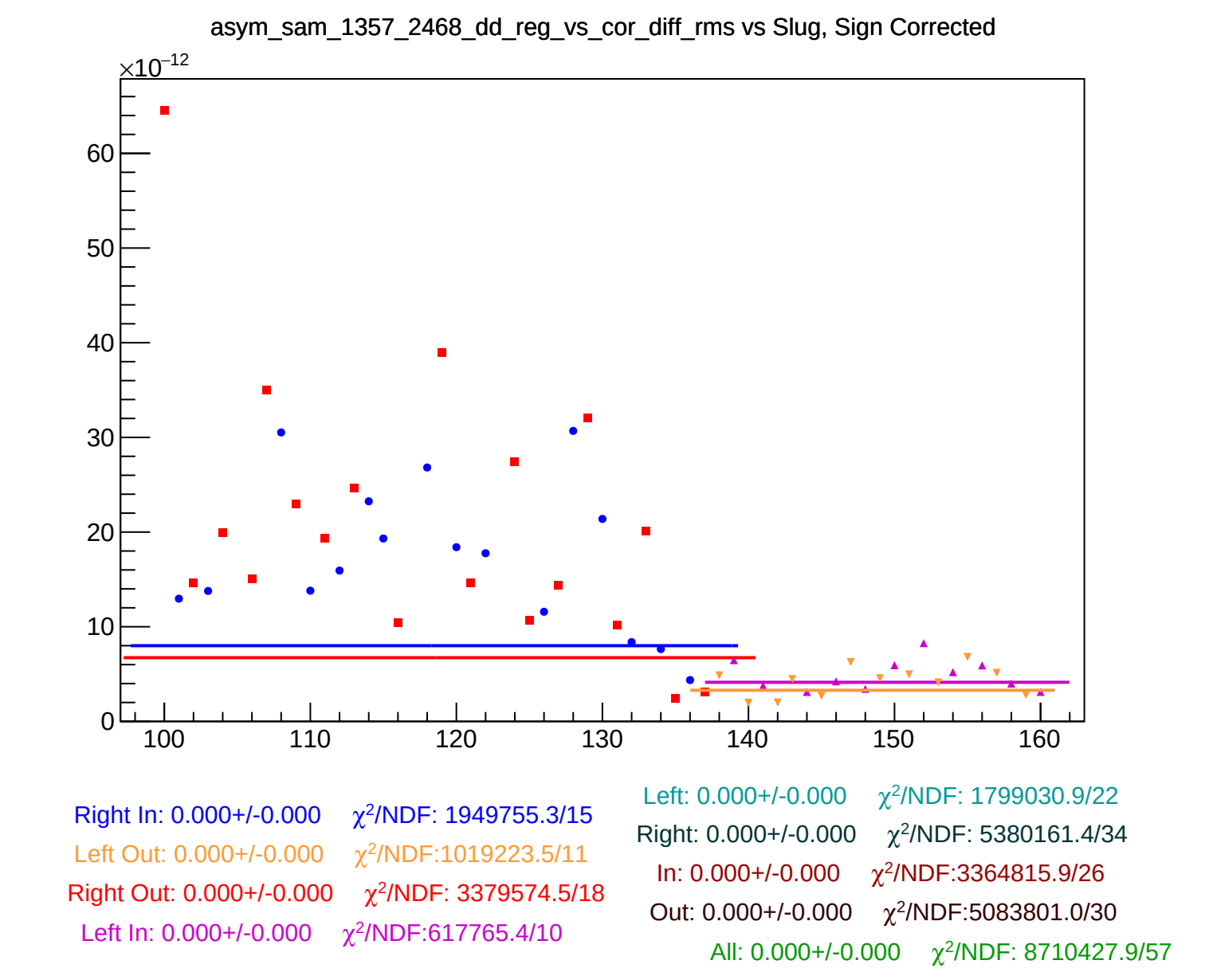
Left: 0.000+/-0.000 χ^2/NDF: 20.6/22

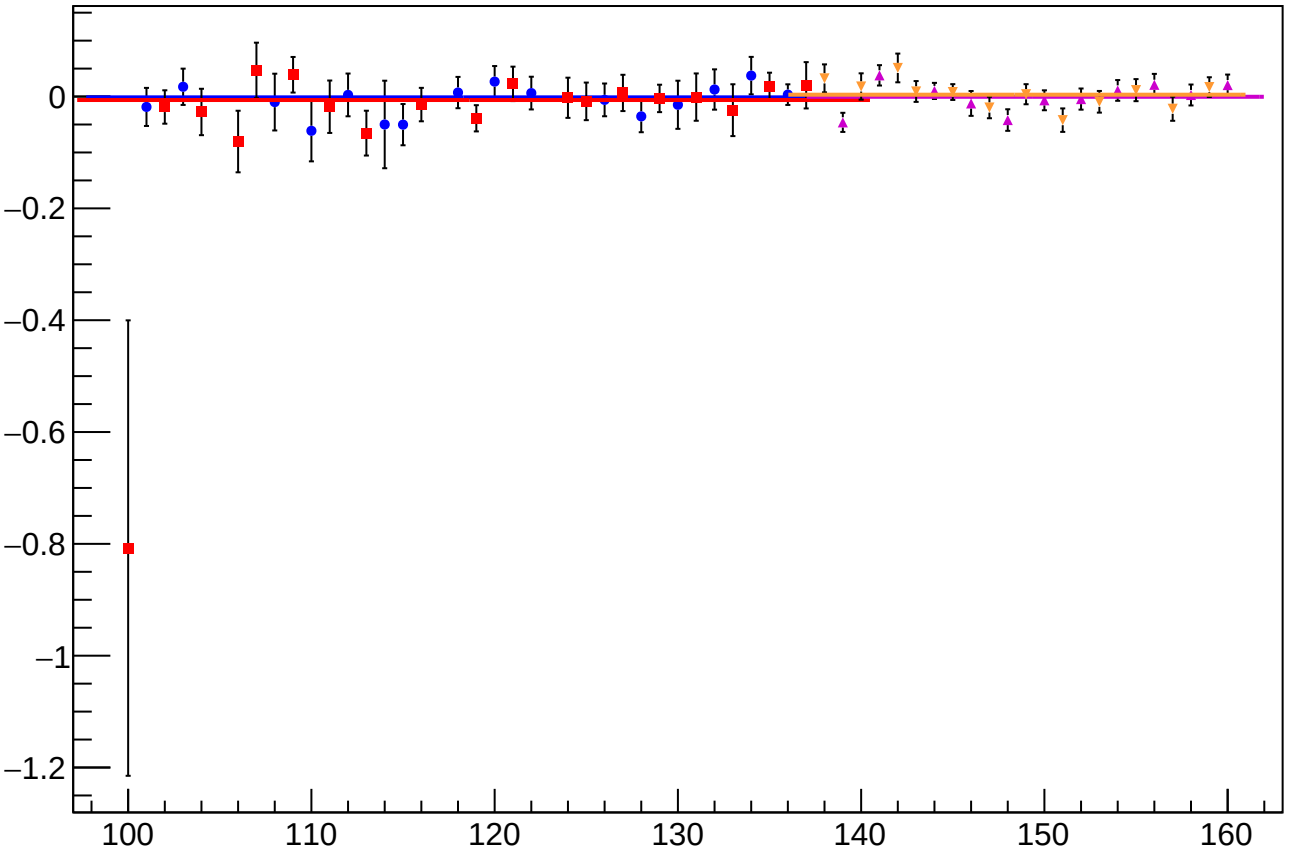
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:38.4/26

Out: 0.000+/-0.000 χ^2/NDF:30.7/30

All: 0.000+/-0.000 χ^2/NDF: 72.7/57


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:617765.4/10
Left: 0.000+/-0.000 χ²/NDF: 1799030.9/22
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:3364815.9/26
Out: 0.000+/-0.000 χ²/NDF:5083801.0/30
All: 0.000+/-0.000 χ²/NDF: 8710427.9/57



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: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: 0.001+/-0.004 χ^2/NDF: 34.4/22

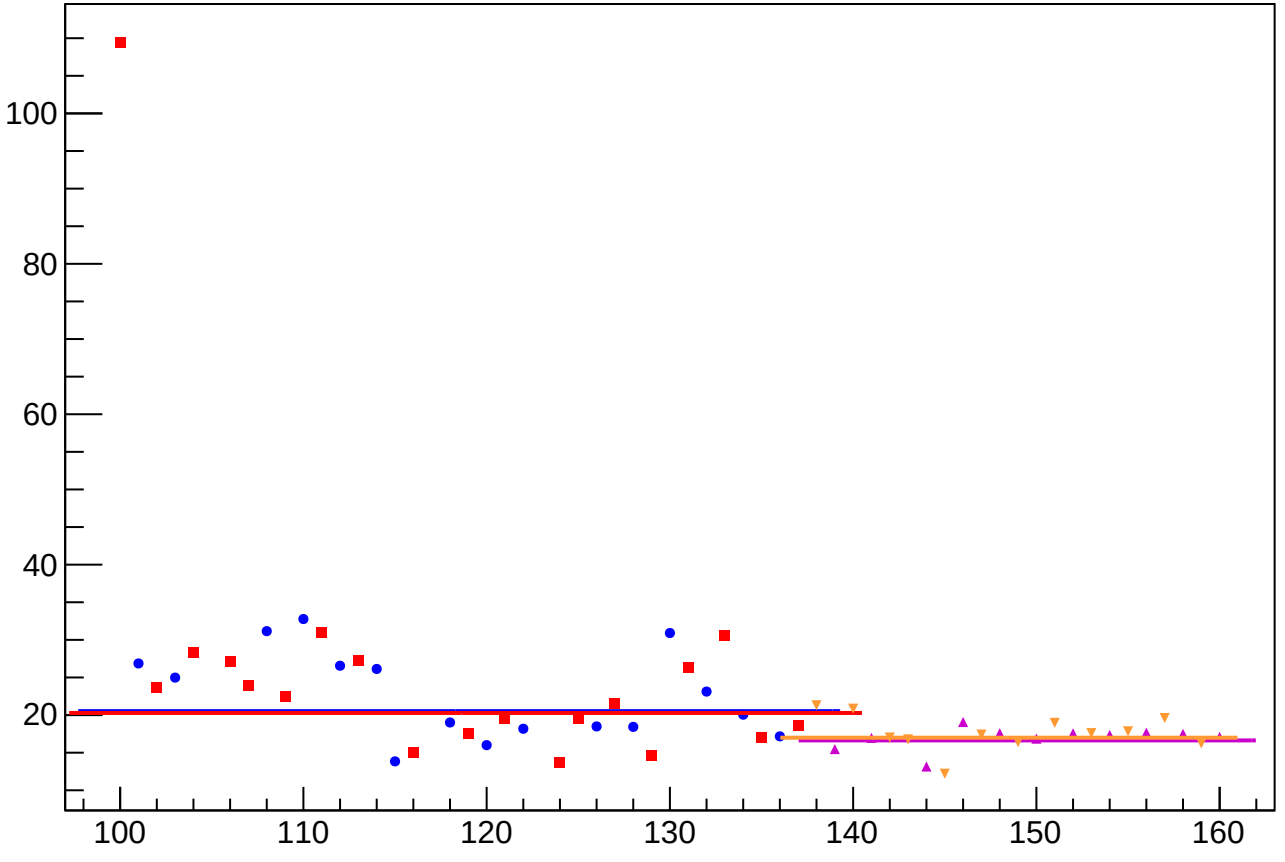
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.000+/-0.003 χ^2/NDF: 59.7/57

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: 16.632+/-0.004 χ^2/NDF:174765.3/10

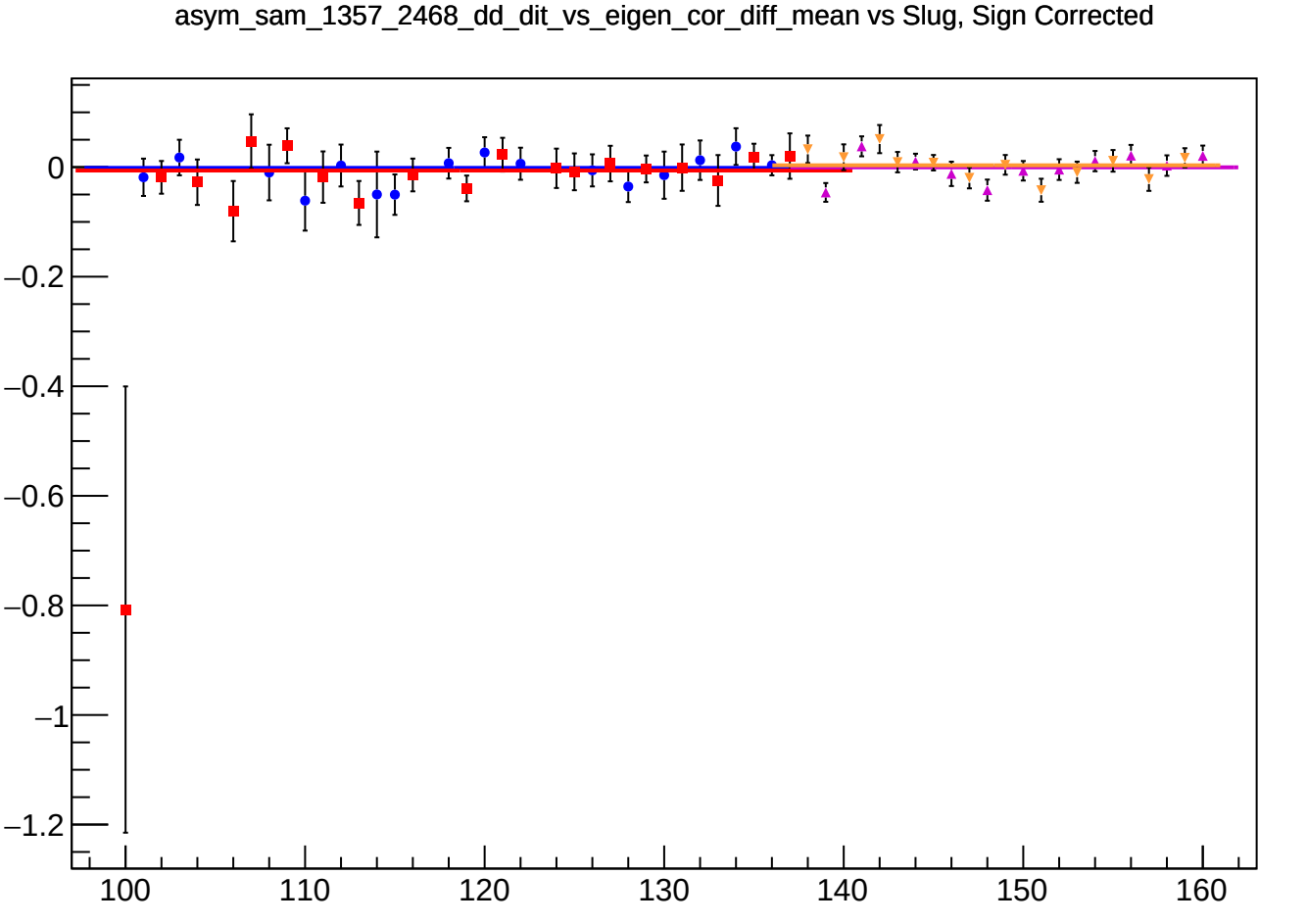
Left: 16.807+/-0.003 χ^2/NDF: 581899.7/22

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.866+/-0.003 χ^2/NDF:1198833.5/26

Out: 18.103+/-0.003 χ^2/NDF:1497903.9/30

All: 17.983+/-0.002 χ^2/NDF: 2699451.4/57



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: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: 0.001+/-0.004 χ^2/NDF: 34.4/22

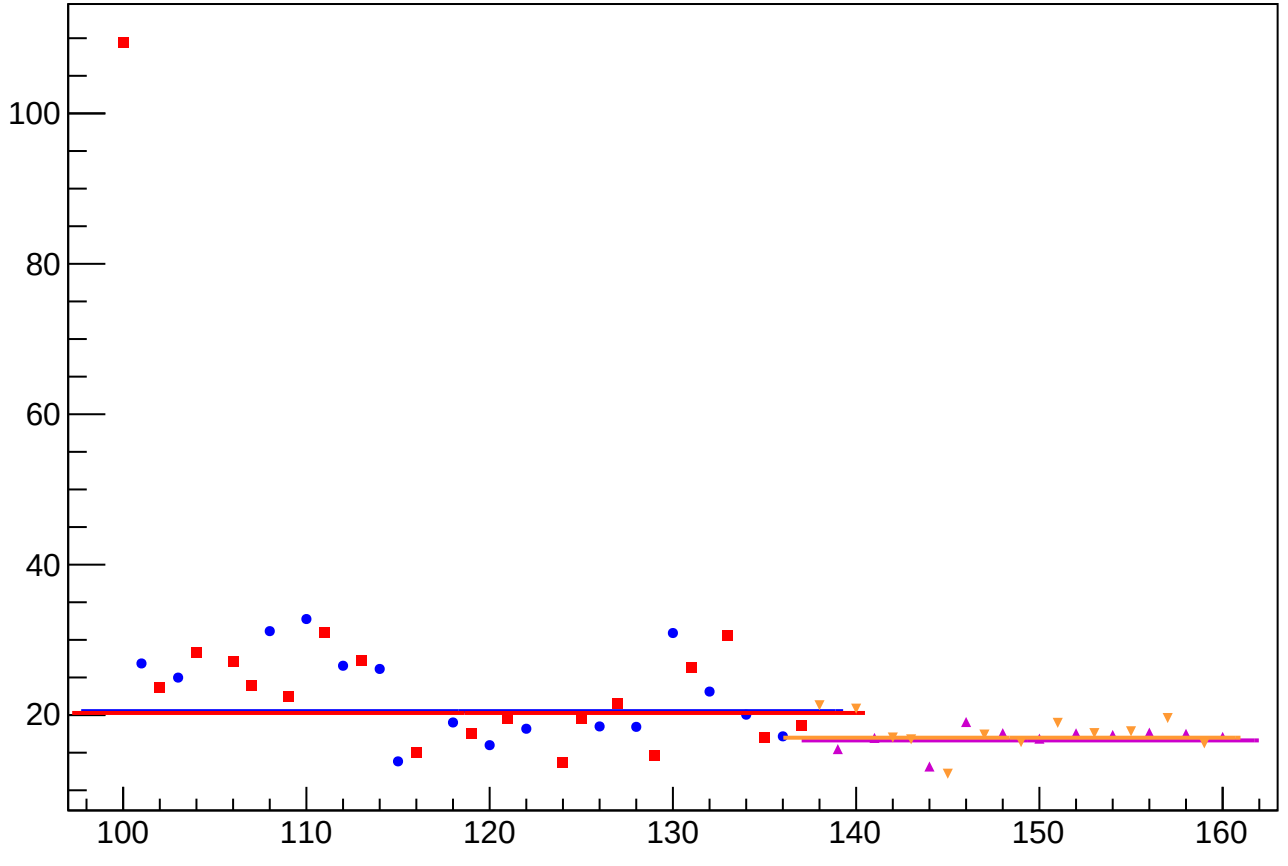
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.000+/-0.003 χ^2/NDF: 59.7/57

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: 16.632+/-0.004 χ^2/NDF:174765.3/10

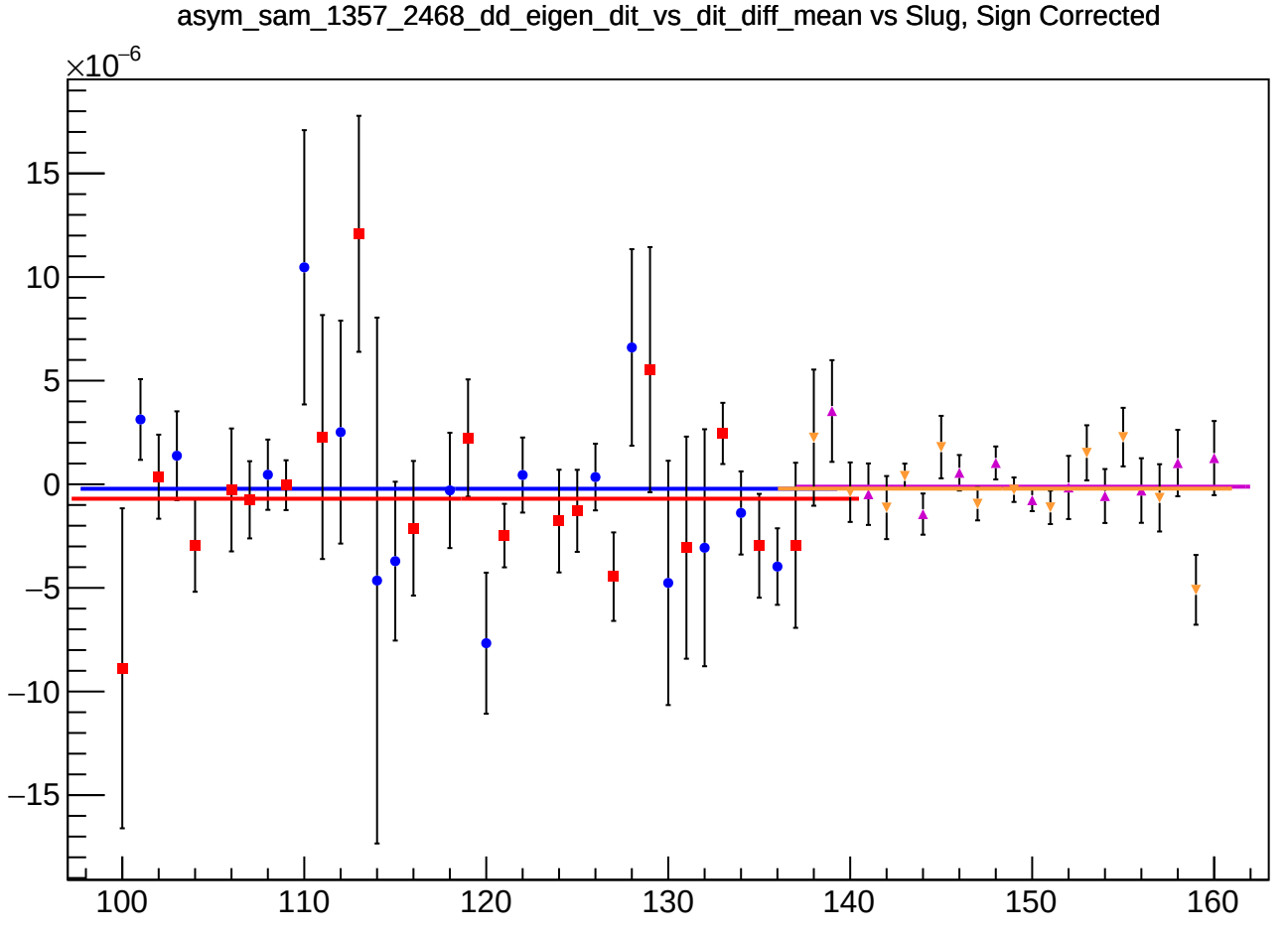
Left: 16.807+/-0.003 χ^2/NDF: 581899.7/22

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.866+/-0.003 χ^2/NDF:1198833.5/26

Out: 18.103+/-0.003 χ^2/NDF:1497903.9/30

All: 17.983+/-0.002 χ^2/NDF: 2699451.4/57



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:9.5/10

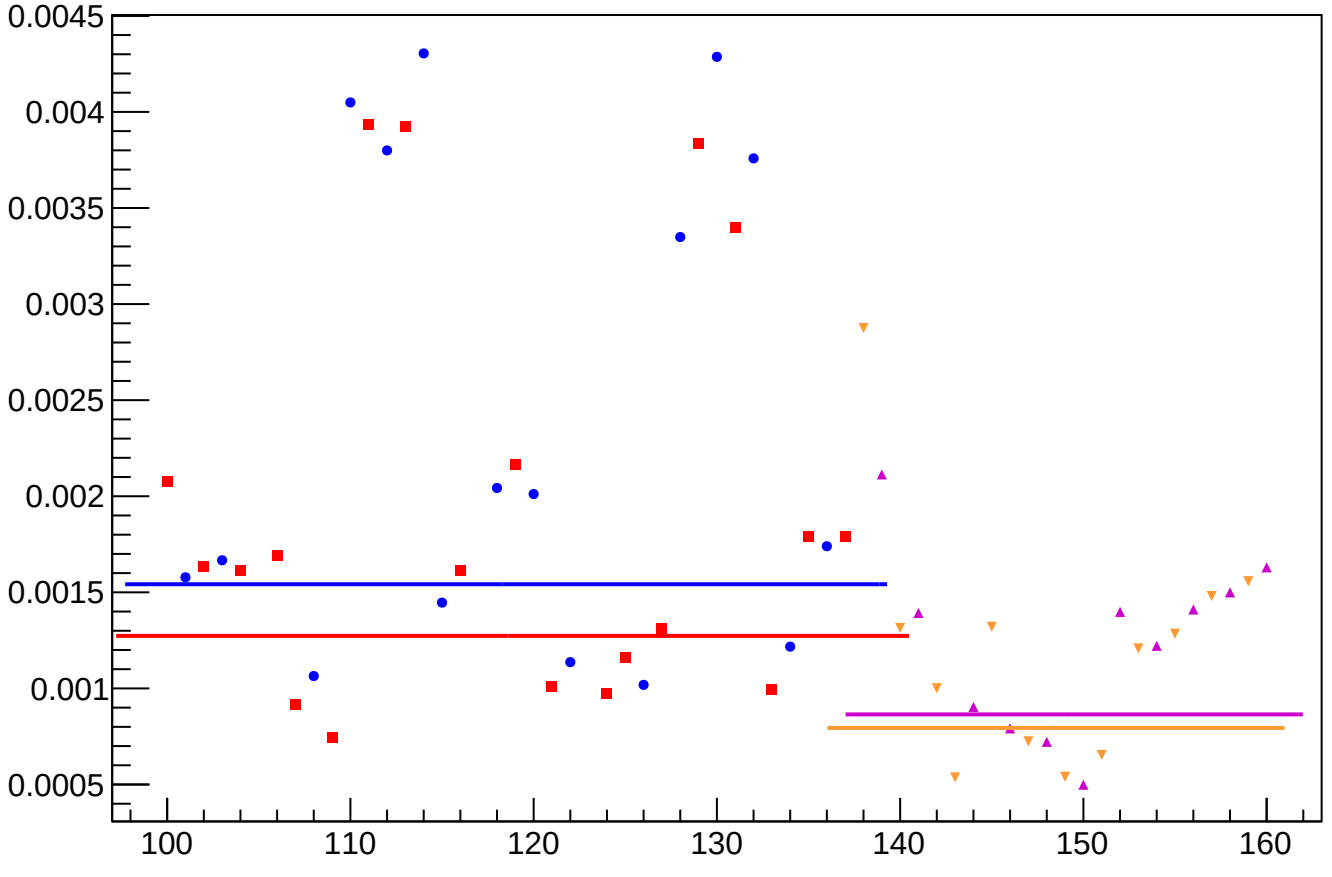
Left: -0.000+/-0.000 χ^2/NDF: 28.7/22

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:29.4/26

Out: -0.000+/-0.000 χ^2/NDF:40.8/30

All: -0.000+/-0.000 χ^2/NDF: 70.5/57



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:3137201.7/10

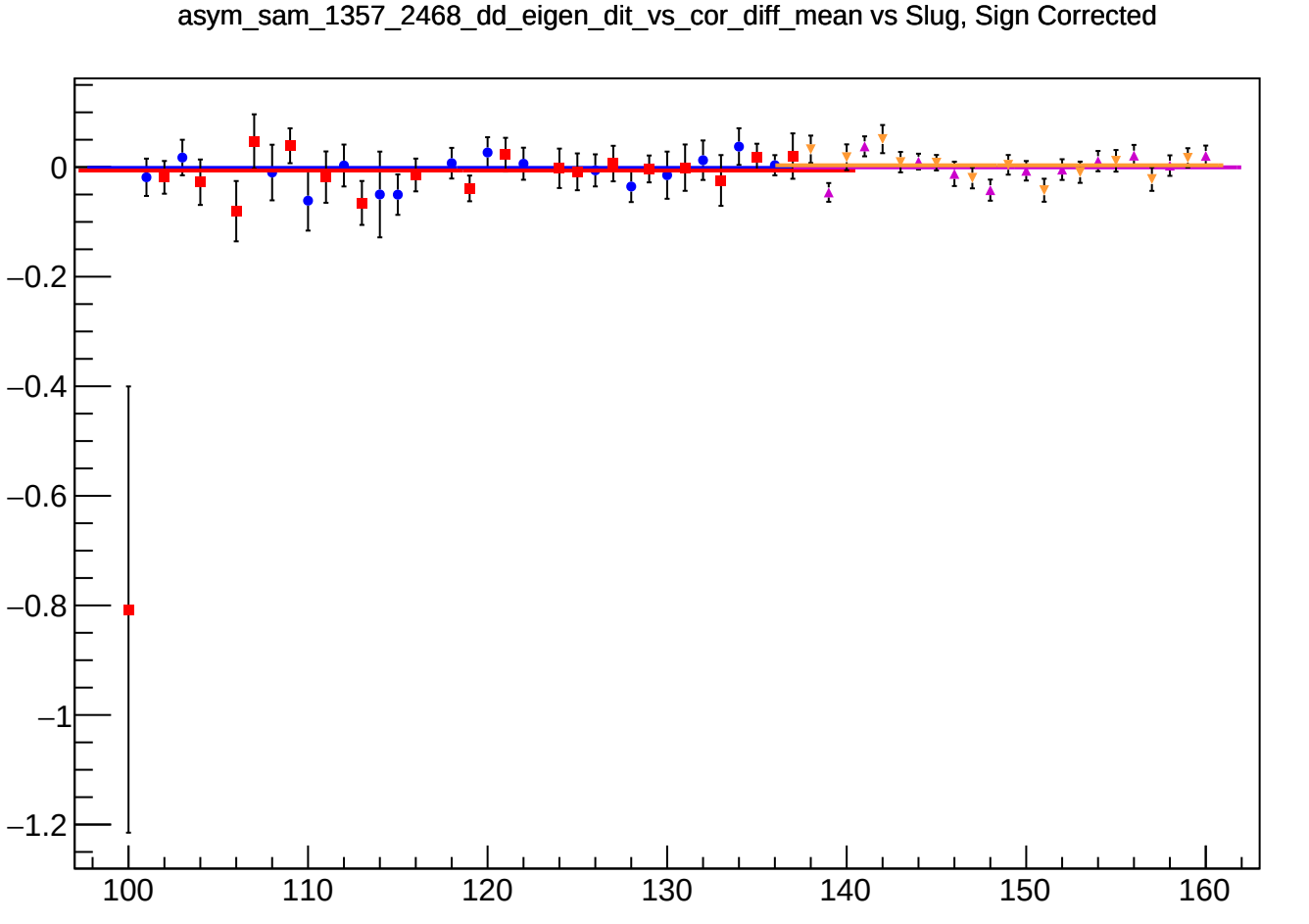
Left: 0.001+/-0.000 χ^2/NDF: 6558145.4/22

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:7408108.3/26

Out: 0.001+/-0.000 χ^2/NDF:7315242.9/30

All: 0.001+/-0.000 χ^2/NDF: 14842137.0/57



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: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: 0.001+/-0.004 χ^2/NDF: 34.4/22

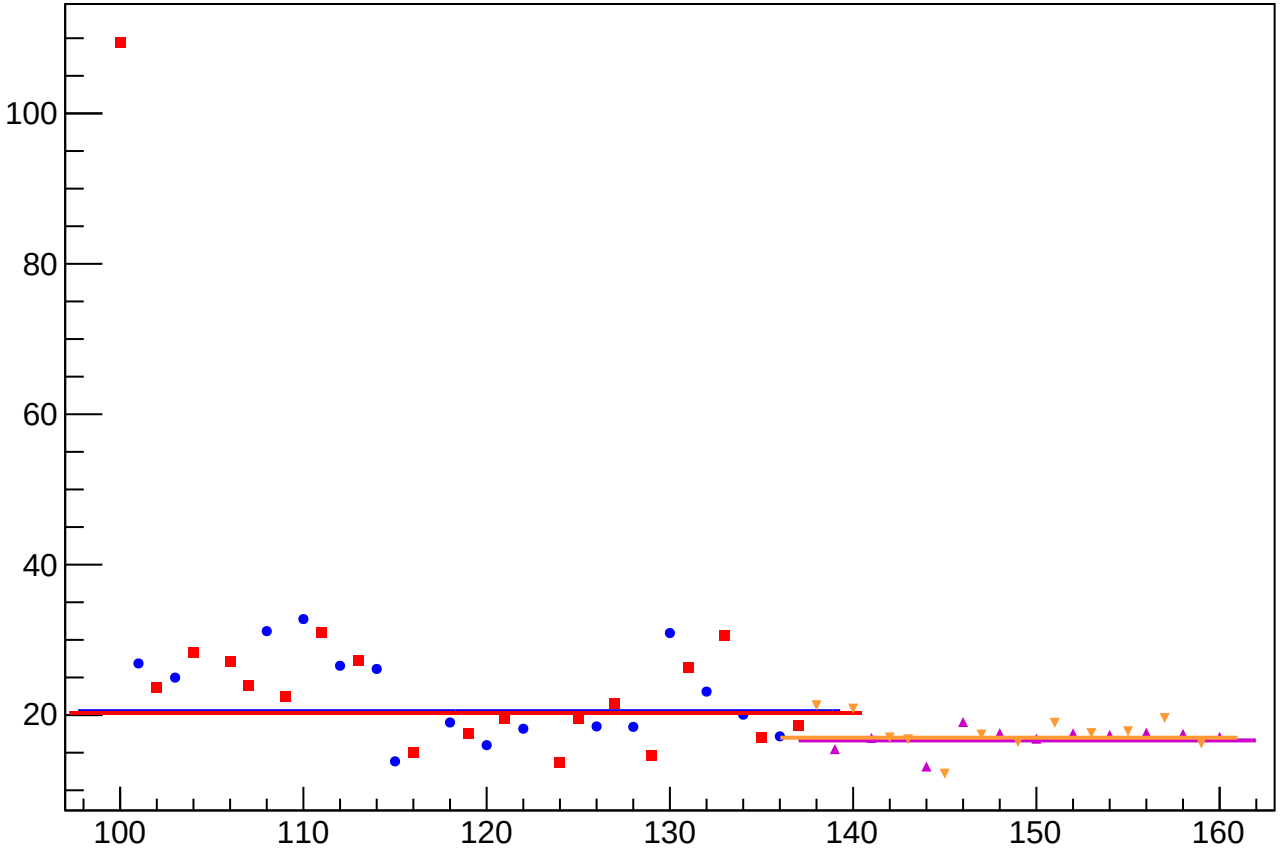
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.000+/-0.003 χ^2/NDF: 59.7/57

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: 16.632+/-0.004 χ^2/NDF:174779.7/10

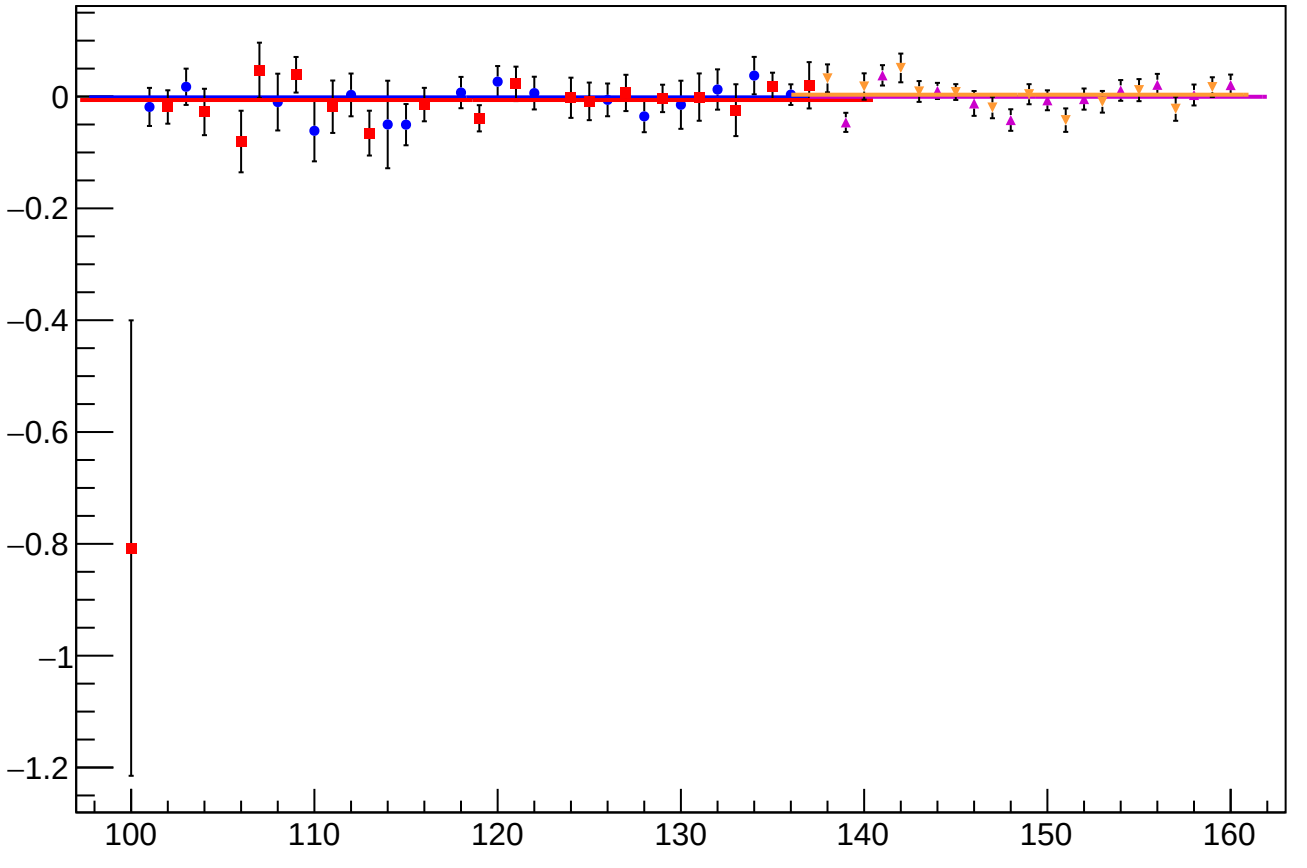
Left: 16.807+/-0.003 χ^2/NDF: 581868.8/22

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.866+/-0.003 χ^2/NDF:1198635.4/26

Out: 18.103+/-0.003 χ^2/NDF:1497743.9/30

All: 17.983+/-0.002 χ^2/NDF: 2699094.3/57



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: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: 0.001+/-0.004 χ^2/NDF: 34.4/22

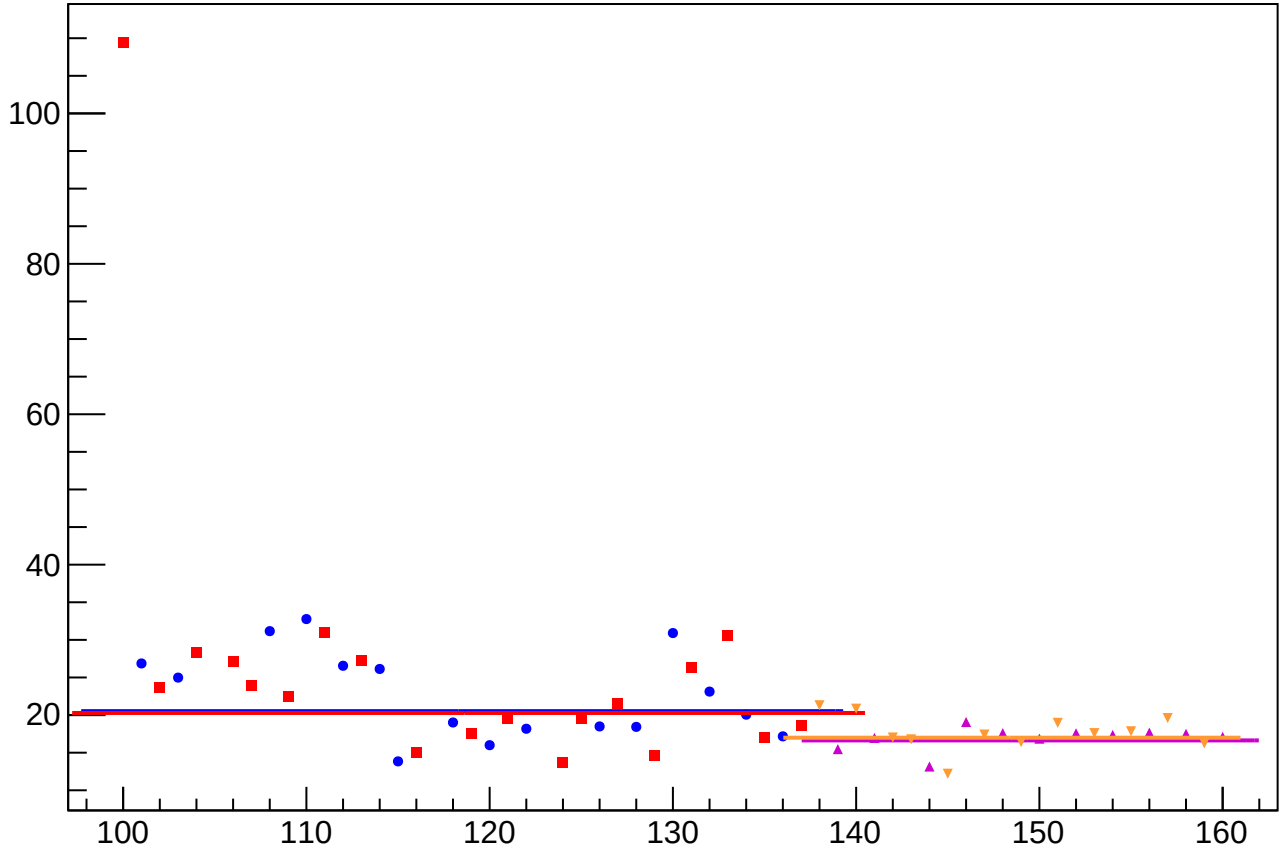
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: 0.000+/-0.005 χ^2/NDF:31.3/30

All: -0.000+/-0.003 χ^2/NDF: 59.7/57

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: 16.632+/-0.004 χ^2/NDF:174779.7/10

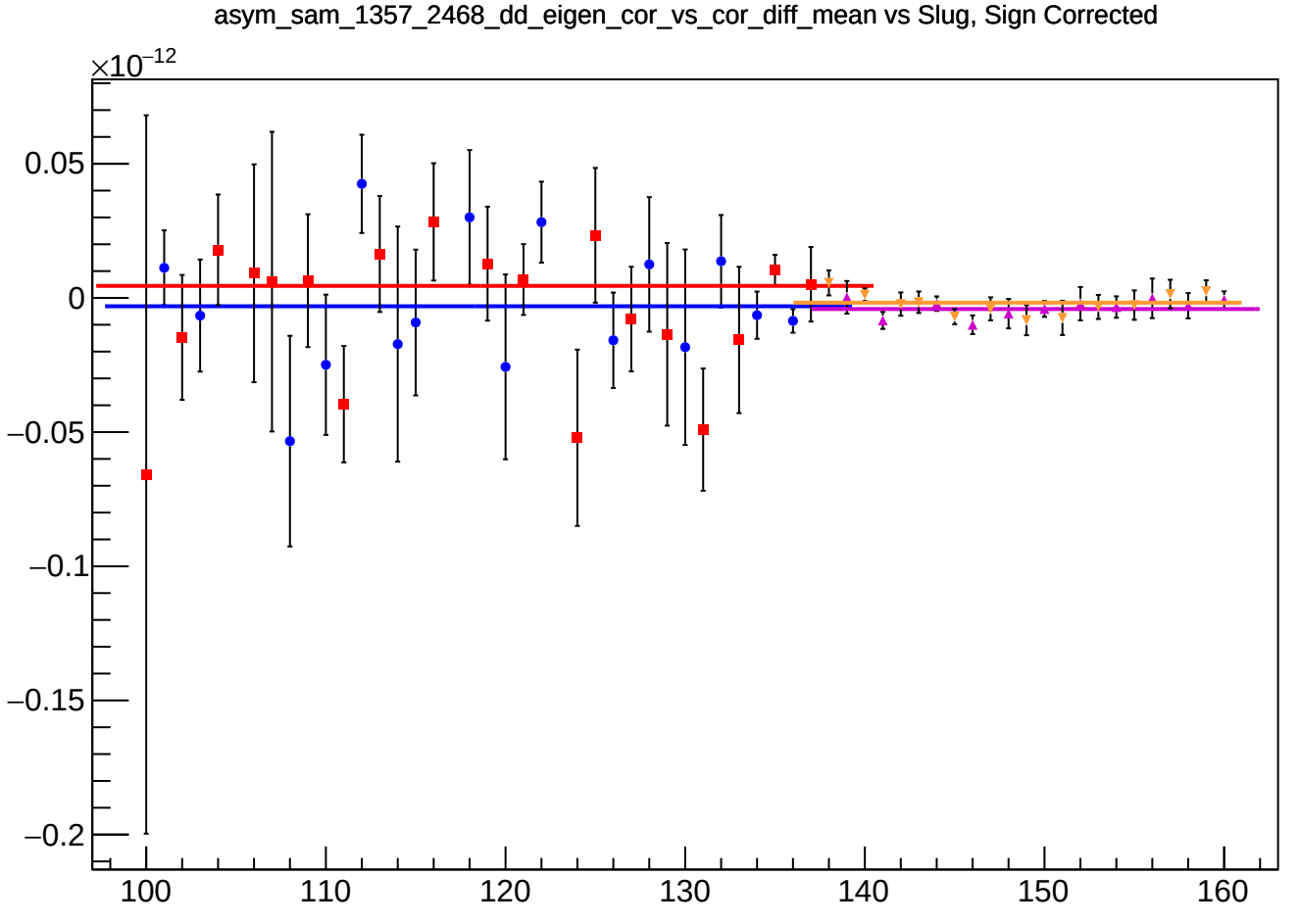
Left: 16.807+/-0.003 χ^2/NDF: 581868.8/22

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.866+/-0.003 χ^2/NDF:1198635.4/26

Out: 18.103+/-0.003 χ^2/NDF:1497743.9/30

All: 17.983+/-0.002 χ^2/NDF: 2699094.3/57



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:7.4/10

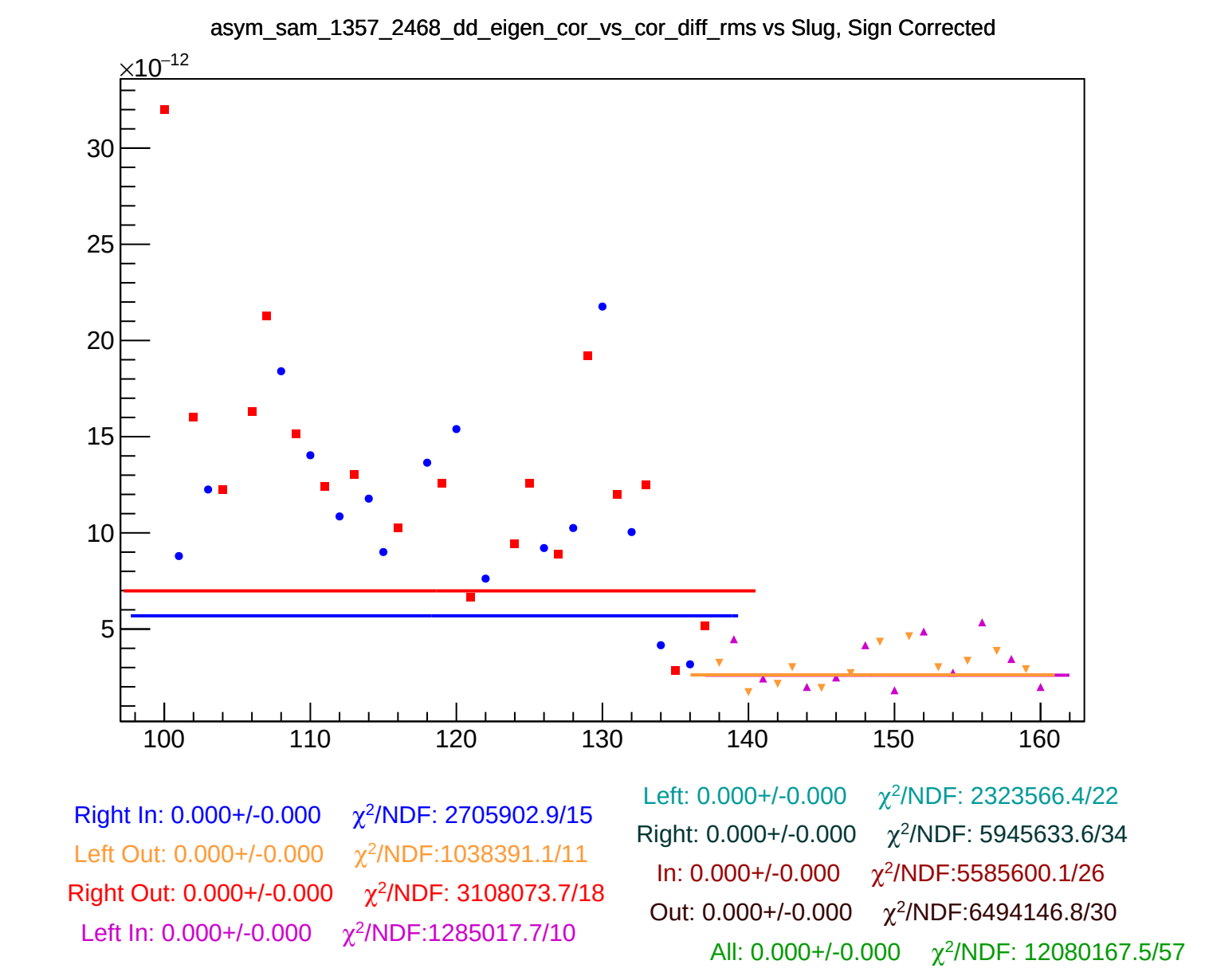
Left: -0.000+/-0.000 χ^2/NDF: 21.0/22

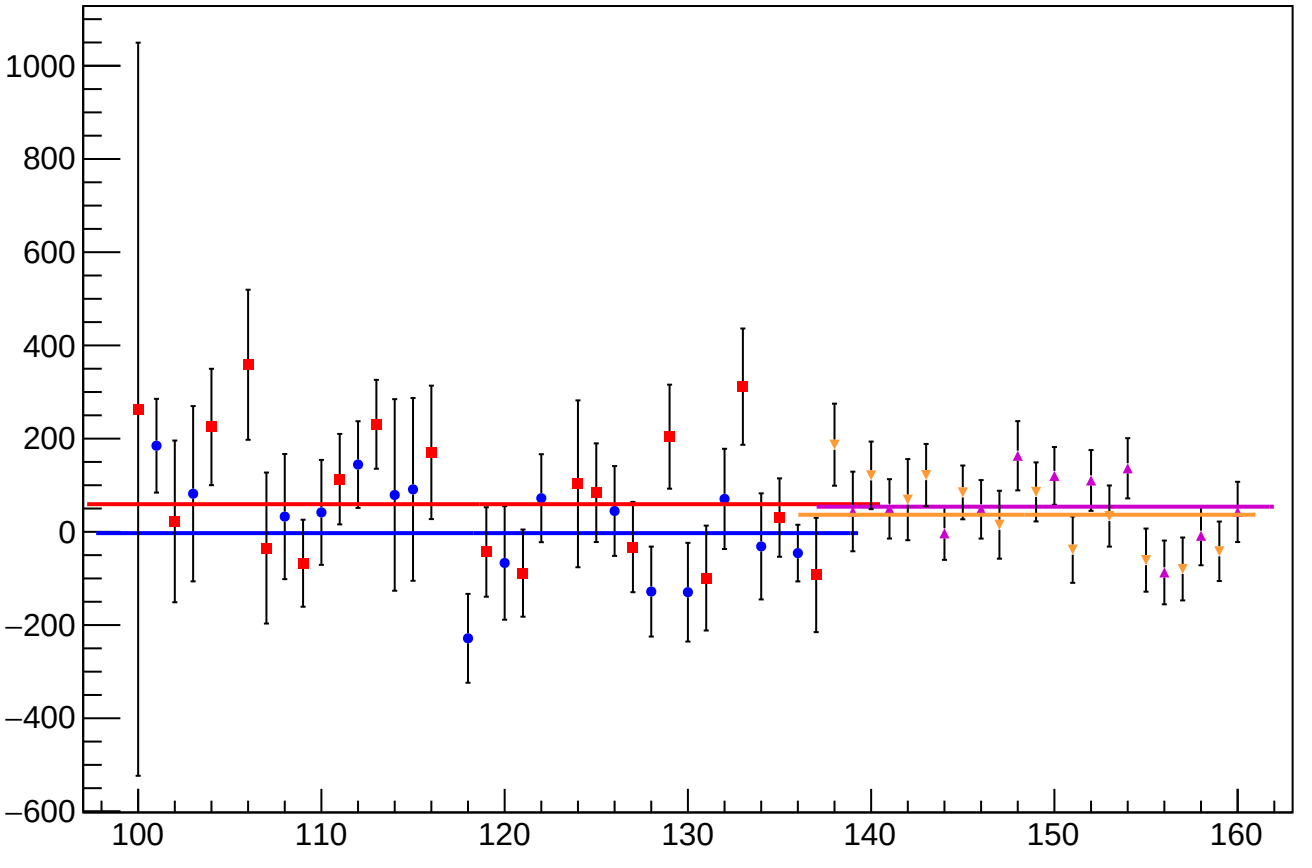
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:32.5/30

All: -0.000+/-0.000 χ^2/NDF: 63.1/57


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:1285017.7/10
Left: 0.000+/-0.000 χ²/NDF: 2323566.4/22
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5585600.1/26
Out: 0.000+/-0.000 χ²/NDF:6494146.8/30
All: 0.000+/-0.000 χ²/NDF: 12080167.5/57



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: 53.951+/-19.745 χ^2/NDF:12.0/10

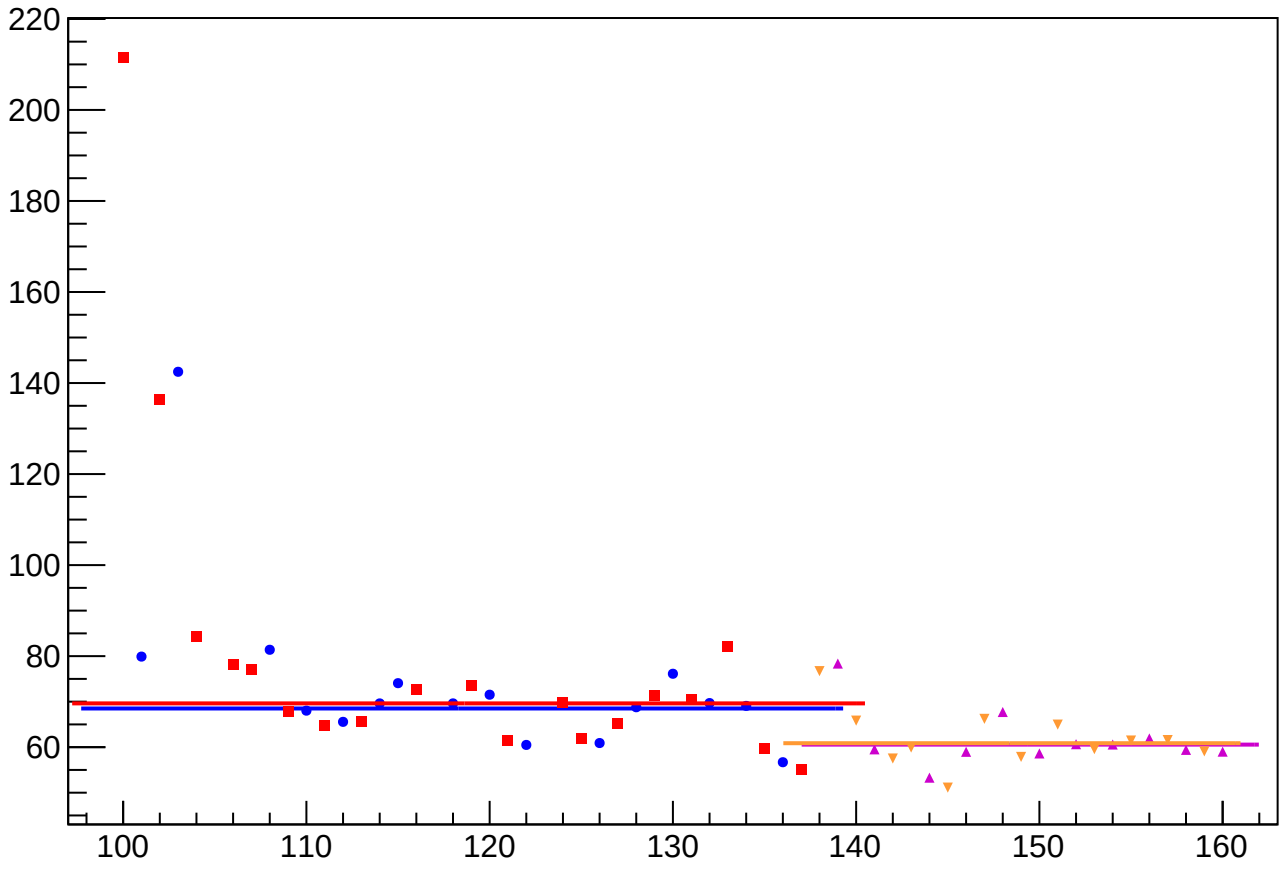
Left: 45.374+/-14.016 χ^2/NDF: 27.4/22

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 33.419+/-15.771 χ^2/NDF:32.6/26

Out: 44.889+/-15.886 χ^2/NDF:41.2/30

All: 39.113+/-11.193 χ^2/NDF: 74.2/57



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: 60.562+/-0.014 χ^2/NDF:144459.8/10

Left: 60.715+/-0.010 χ^2/NDF: 304010.2/22

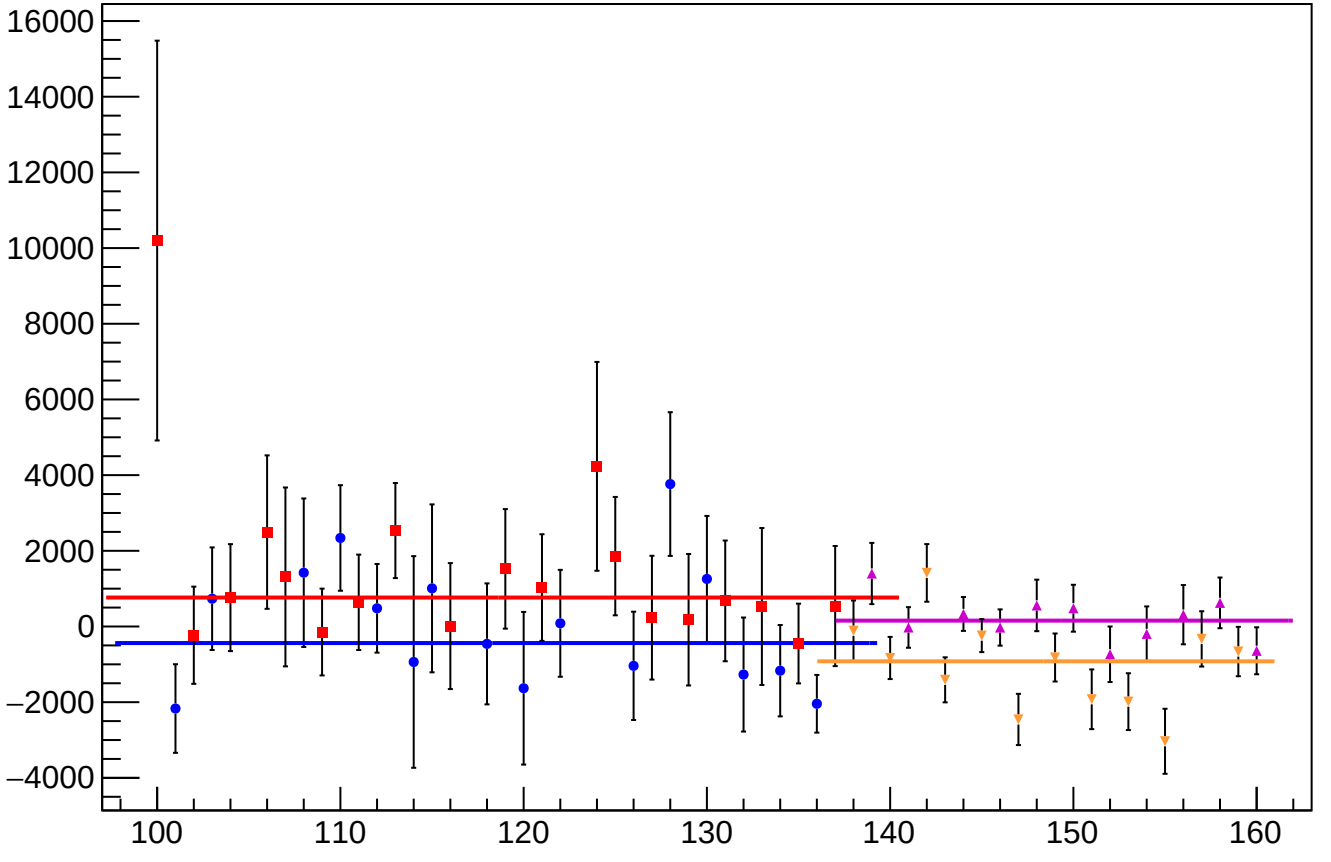
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.435+/-0.011 χ^2/NDF:733298.1/26

Out: 64.043+/-0.011 χ^2/NDF:819894.4/30

All: 63.737+/-0.008 χ^2/NDF: 1554669.2/57

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: 155.267+/-184.677 χ^2/NDF:7.3/10

Left: -371.896+/-131.840 χ^2/NDF: 53.1/22

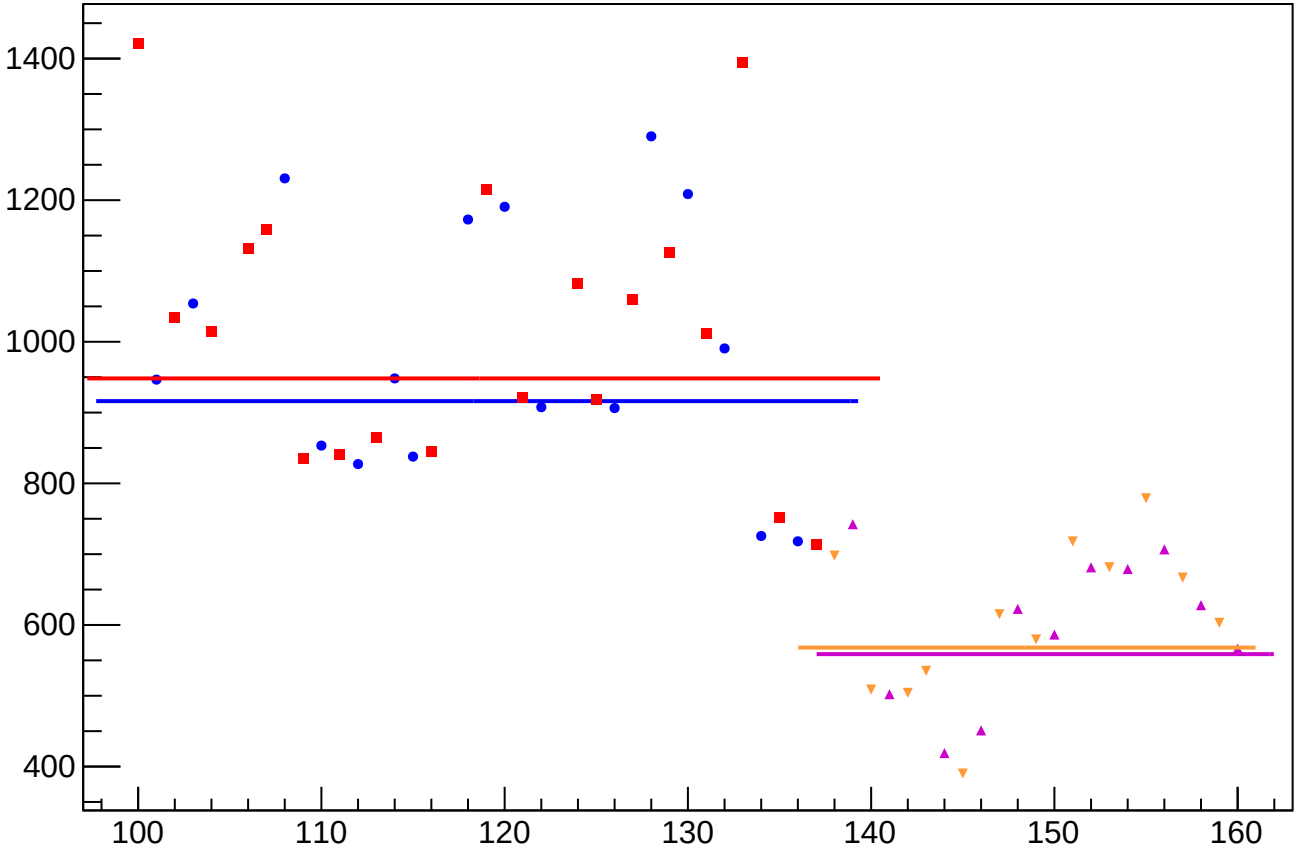
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 25.538+/-163.220 χ^2/NDF:30.1/26

Out: -546.682+/-166.129 χ^2/NDF:58.3/30

All: -255.518+/-116.429 χ^2/NDF: 94.4/57

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: 558.796+/-0.131 χ^2/NDF:646462.0/10

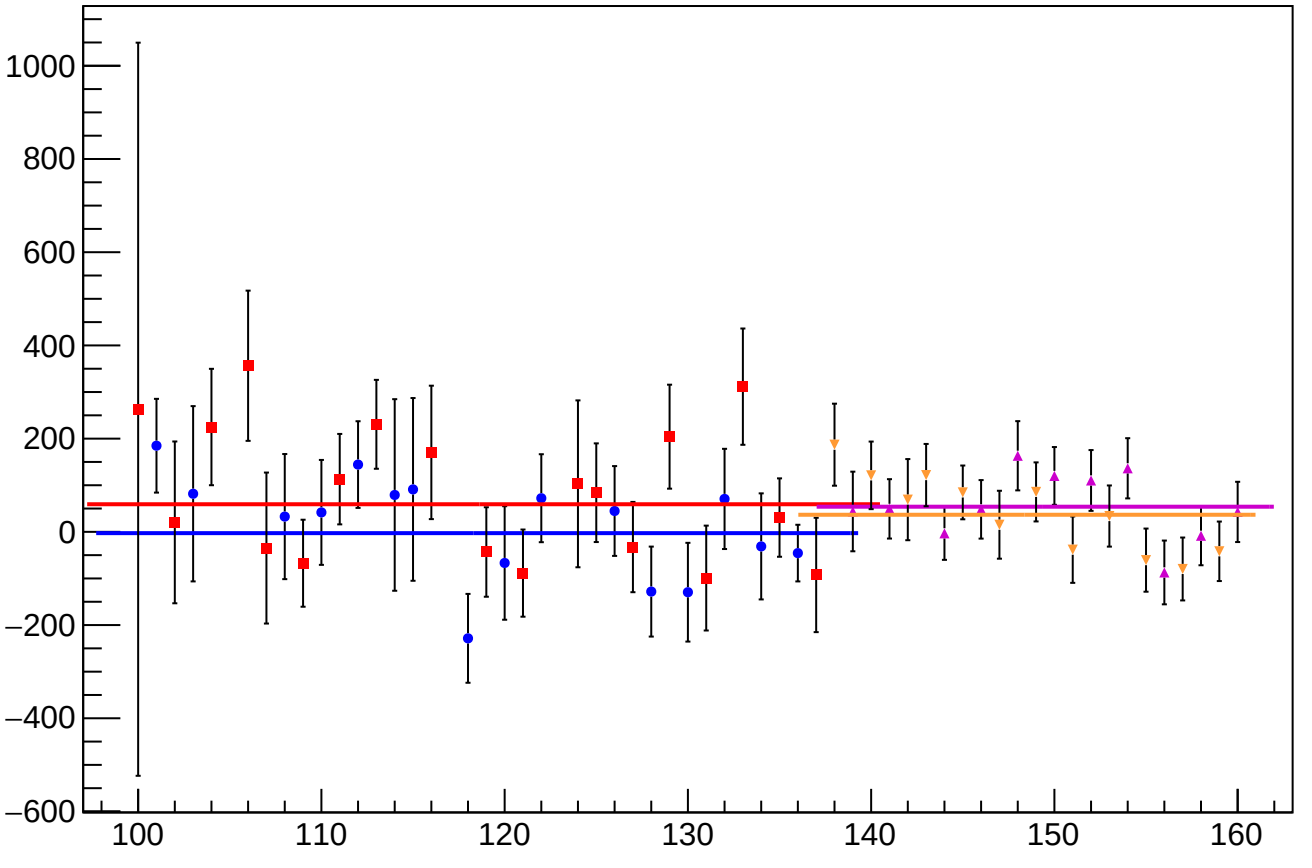
Left: 563.342+/-0.093 χ^2/NDF: 1368484.7/22

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 637.016+/-0.115 χ^2/NDF:2794841.6/26

Out: 652.243+/-0.117 χ^2/NDF:2940288.6/30

All: 644.495+/-0.082 χ^2/NDF: 5743679.6/57



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: 53.952+/-19.745 χ^2/NDF:12.0/10

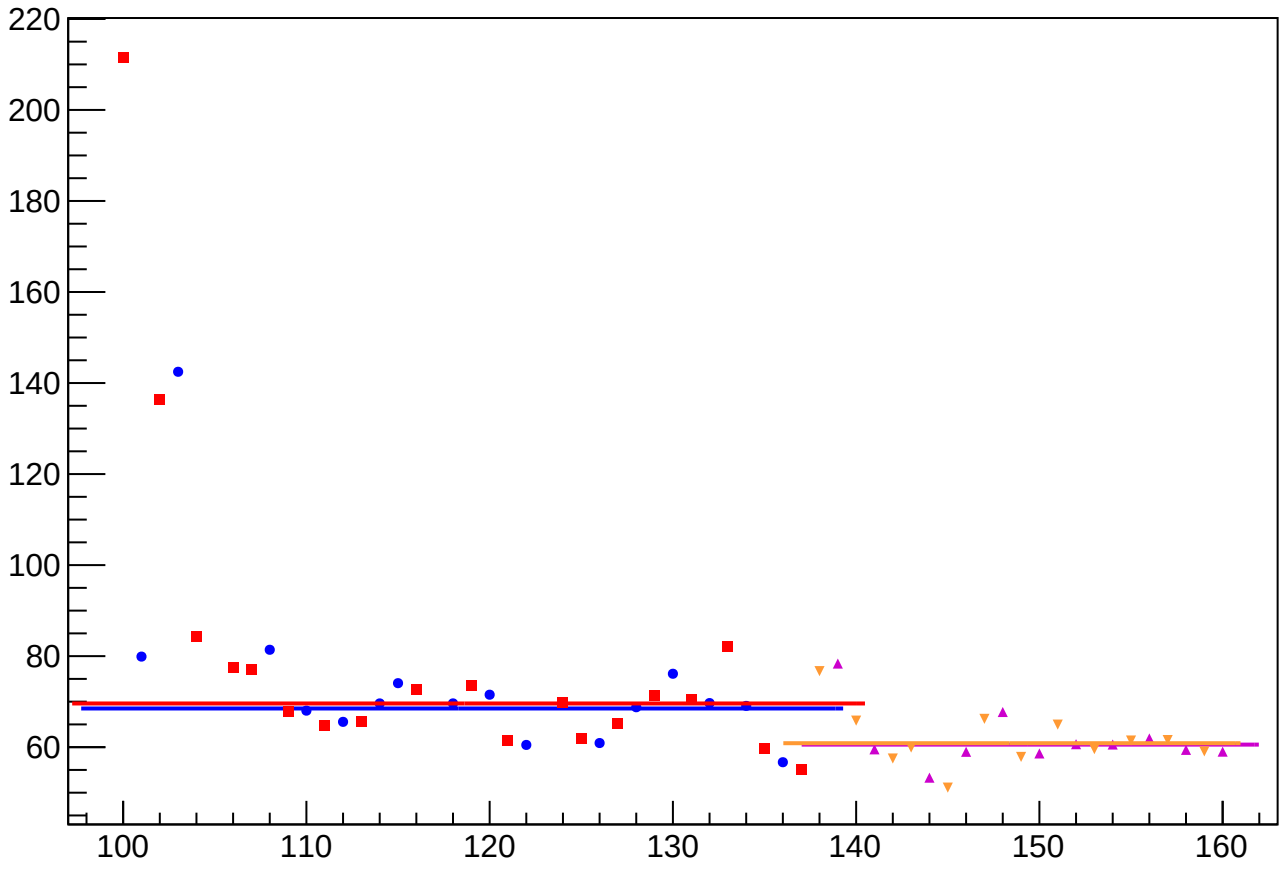
Left: 45.376+/-14.016 χ^2/NDF: 27.4/22

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 33.418+/-15.771 χ^2/NDF:32.6/26

Out: 44.846+/-15.887 χ^2/NDF:41.2/30

All: 39.090+/-11.193 χ^2/NDF: 74.1/57



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: 60.562+/-0.014 χ^2/NDF:144459.8/10

Left: 60.715+/-0.010 χ^2/NDF: 304010.2/22

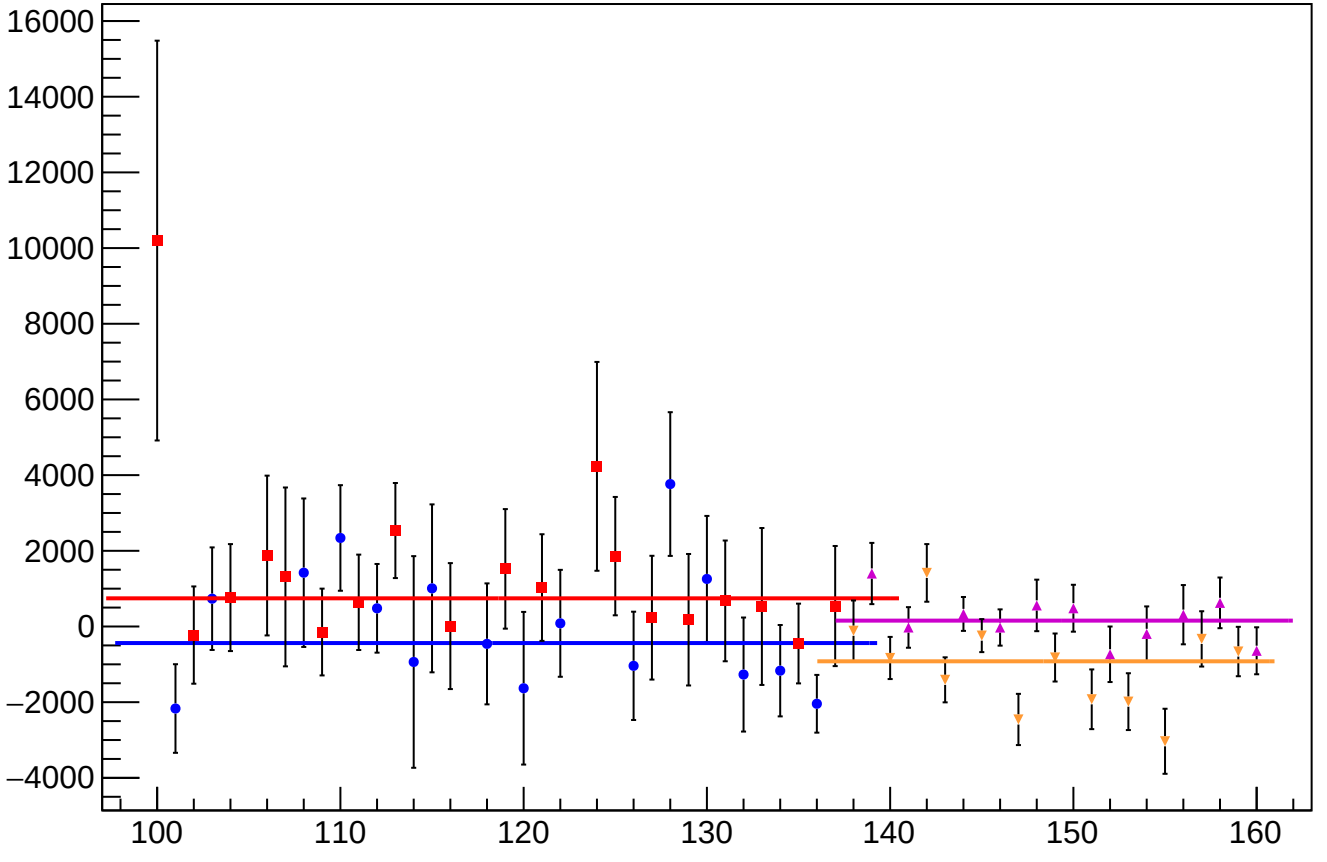
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.435+/-0.011 χ^2/NDF:733301.1/26

Out: 64.036+/-0.011 χ^2/NDF:818655.8/30

All: 63.733+/-0.008 χ^2/NDF: 1553399.1/57

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: 155.272+/-184.677 χ^2/NDF:7.3/10

Left: -371.893+/-131.840 χ^2/NDF: 53.1/22

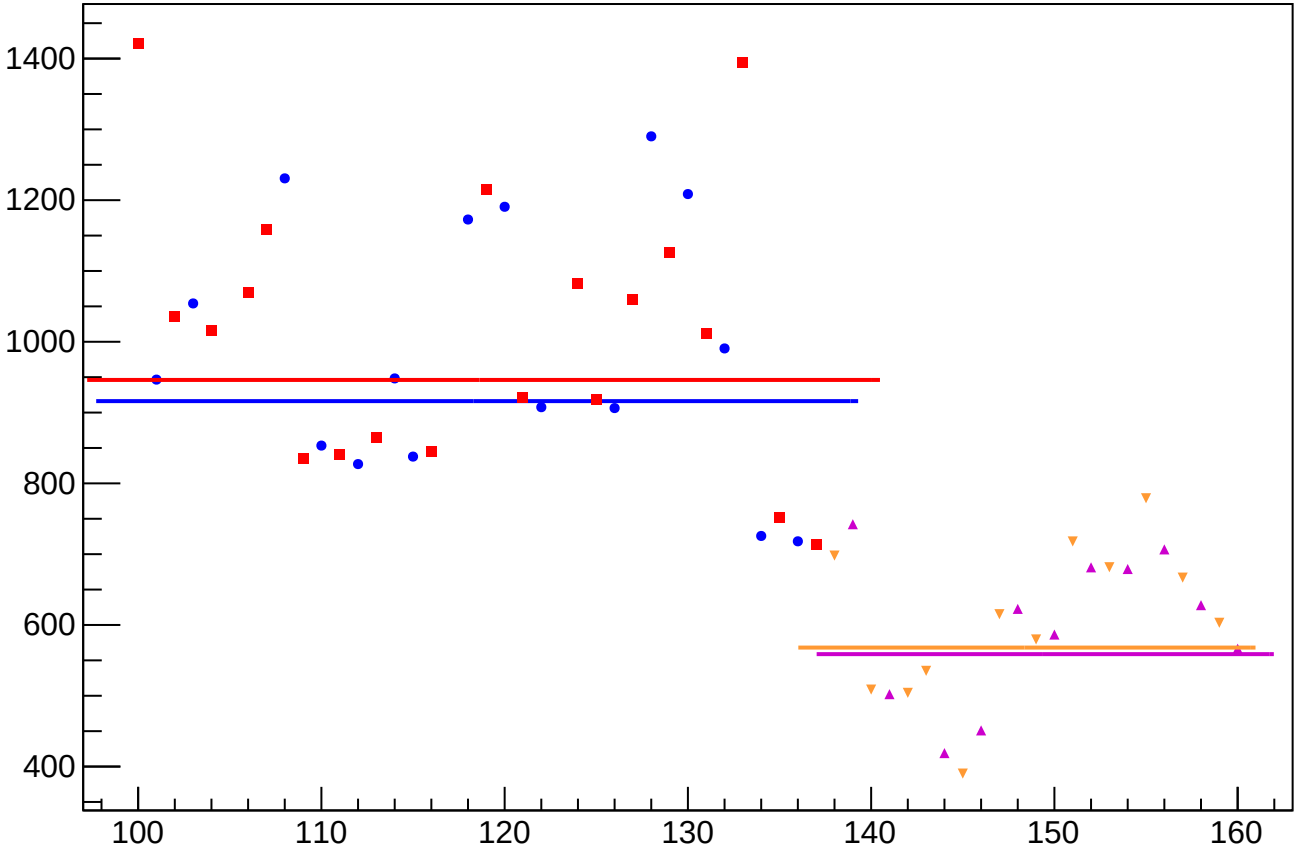
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 25.549+/-163.220 χ^2/NDF:30.1/26

Out: -552.026+/-166.174 χ^2/NDF:57.4/30

All: -258.059+/-116.445 χ^2/NDF: 93.6/57

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: 558.796+/-0.131 χ^2/NDF:646459.8/10

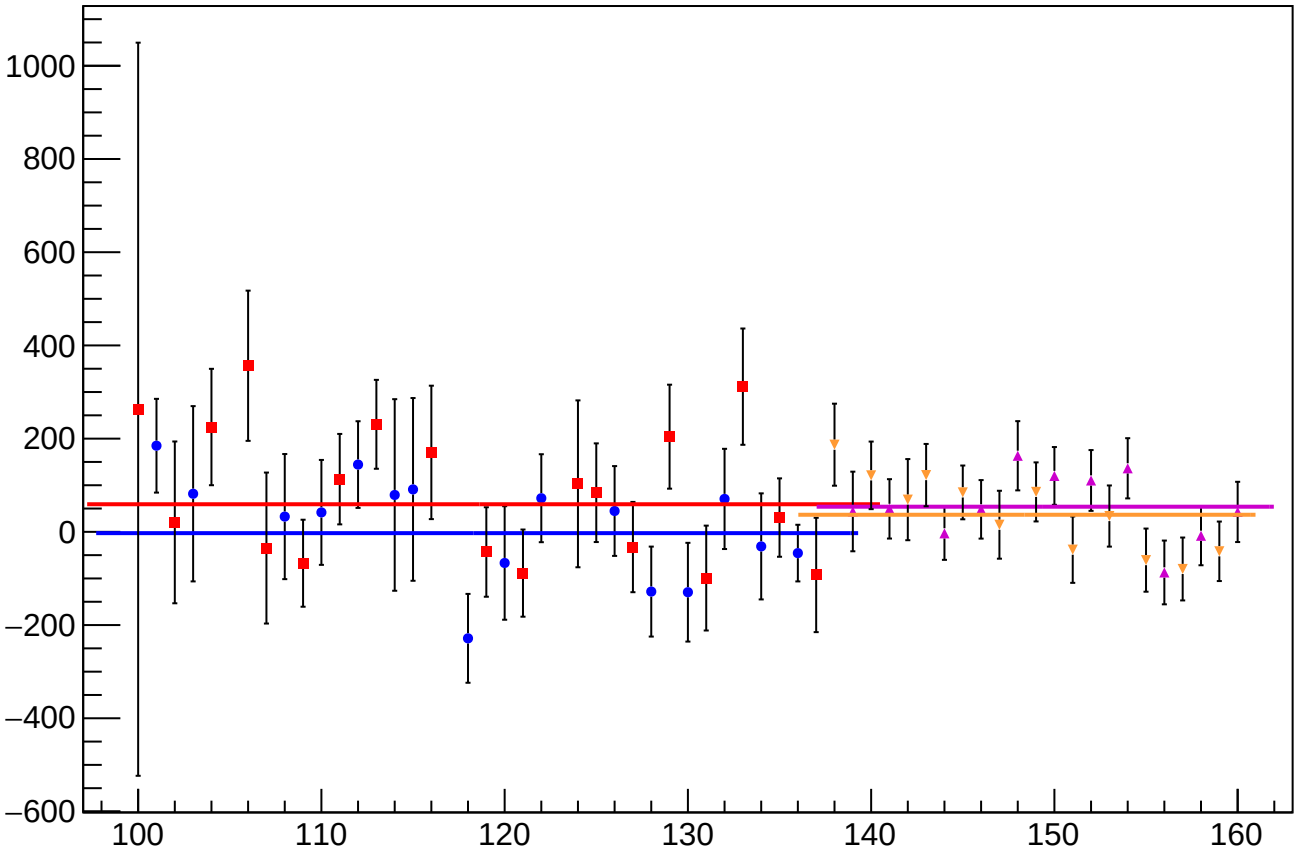
Left: 563.342+/-0.093 χ^2/NDF: 1368485.9/22

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.017+/-0.115 χ^2/NDF:2794883.0/26

Out: 651.608+/-0.118 χ^2/NDF:2906789.7/30

All: 644.181+/-0.082 χ^2/NDF: 5709521.0/57



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: 53.952+/-19.745 χ^2/NDF:12.0/10

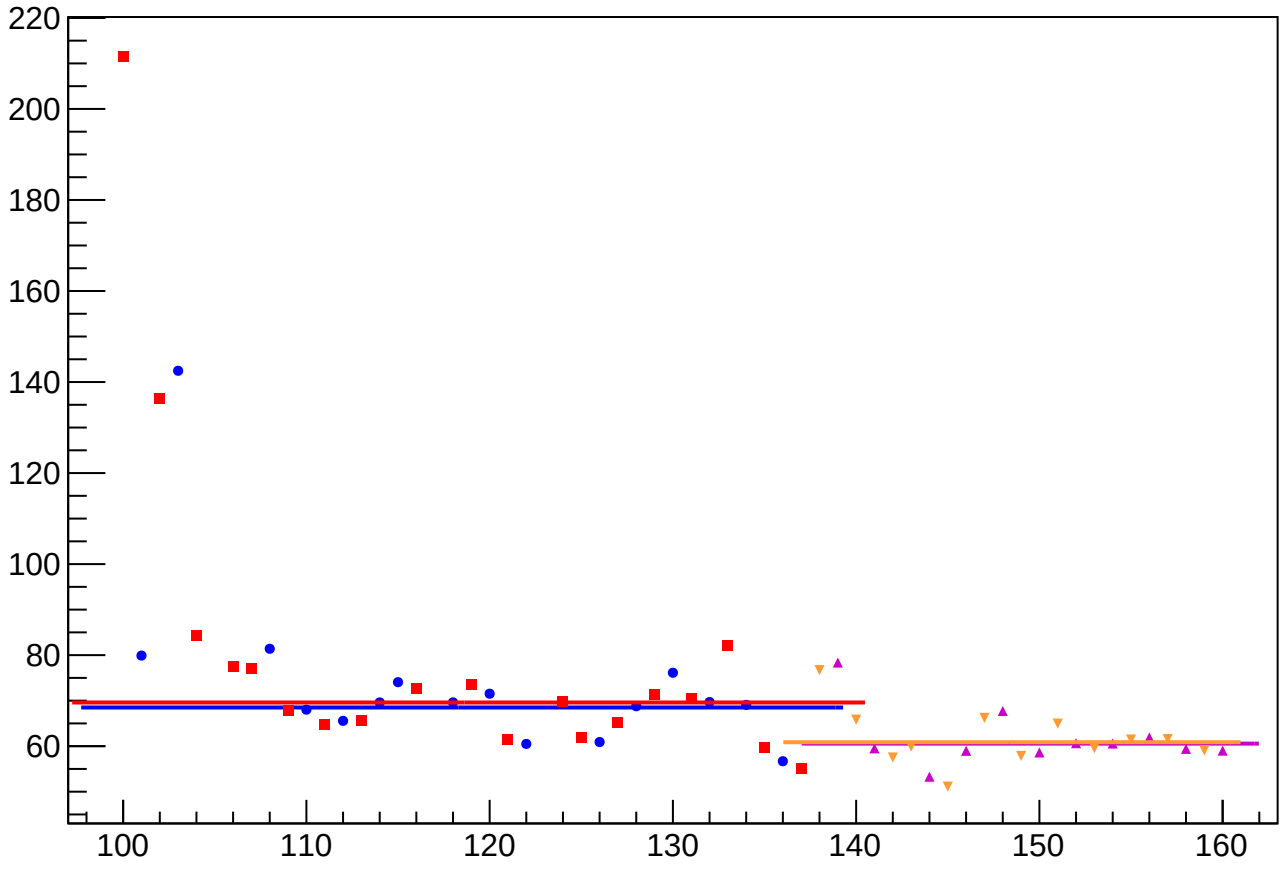
Left: 45.376+/-14.016 χ^2/NDF: 27.4/22

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 33.418+/-15.771 χ^2/NDF:32.6/26

Out: 44.846+/-15.887 χ^2/NDF:41.2/30

All: 39.090+/-11.193 χ^2/NDF: 74.1/57



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: 60.562+/-0.014 χ^2/NDF:144459.8/10

Left: 60.715+/-0.010 χ^2/NDF: 304010.2/22

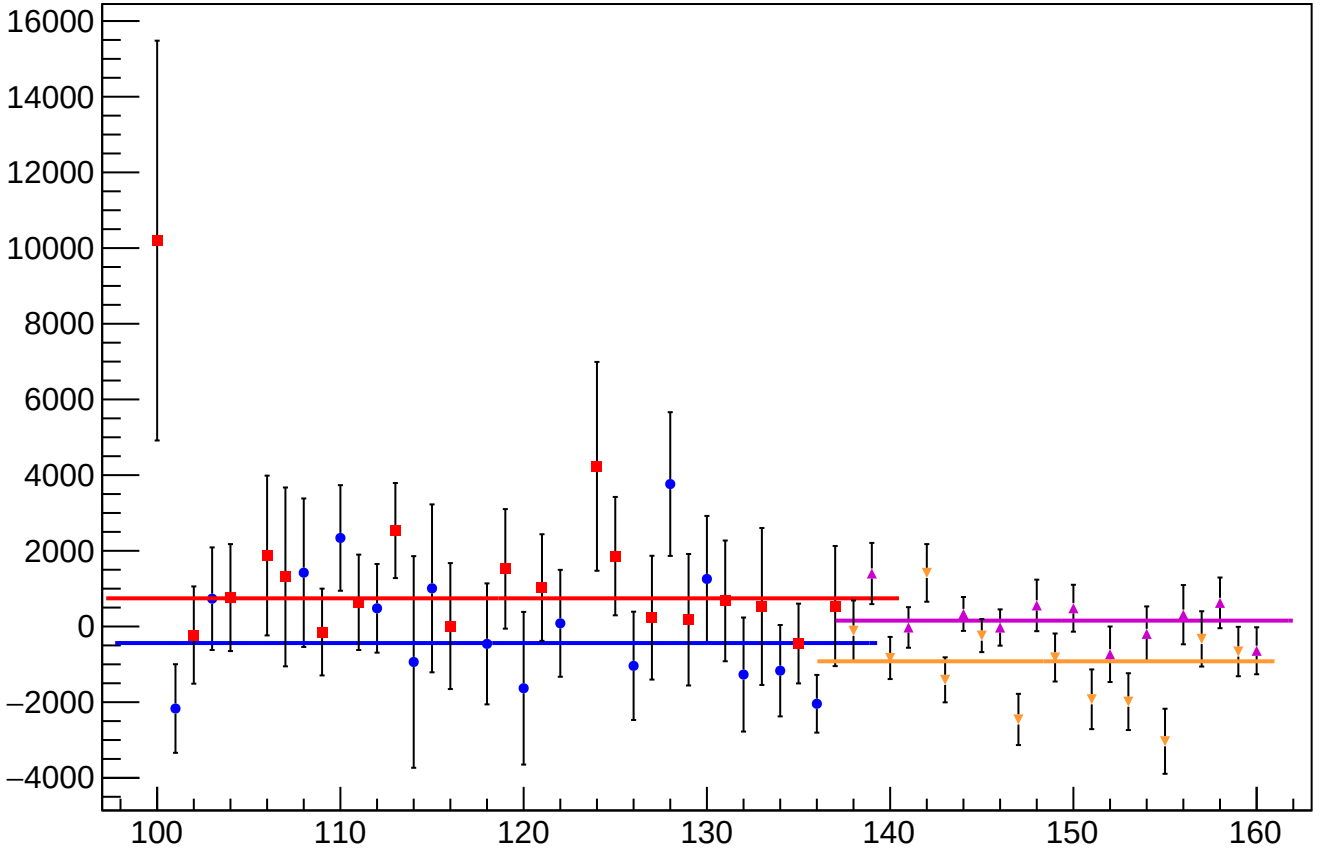
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.435+/-0.011 χ^2/NDF:733301.1/26

Out: 64.036+/-0.011 χ^2/NDF:818655.8/30

All: 63.733+/-0.008 χ^2/NDF: 1553399.1/57

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: 155.272+/-184.677 χ^2/NDF:7.3/10

Left: -371.893+/-131.840 χ^2/NDF: 53.1/22

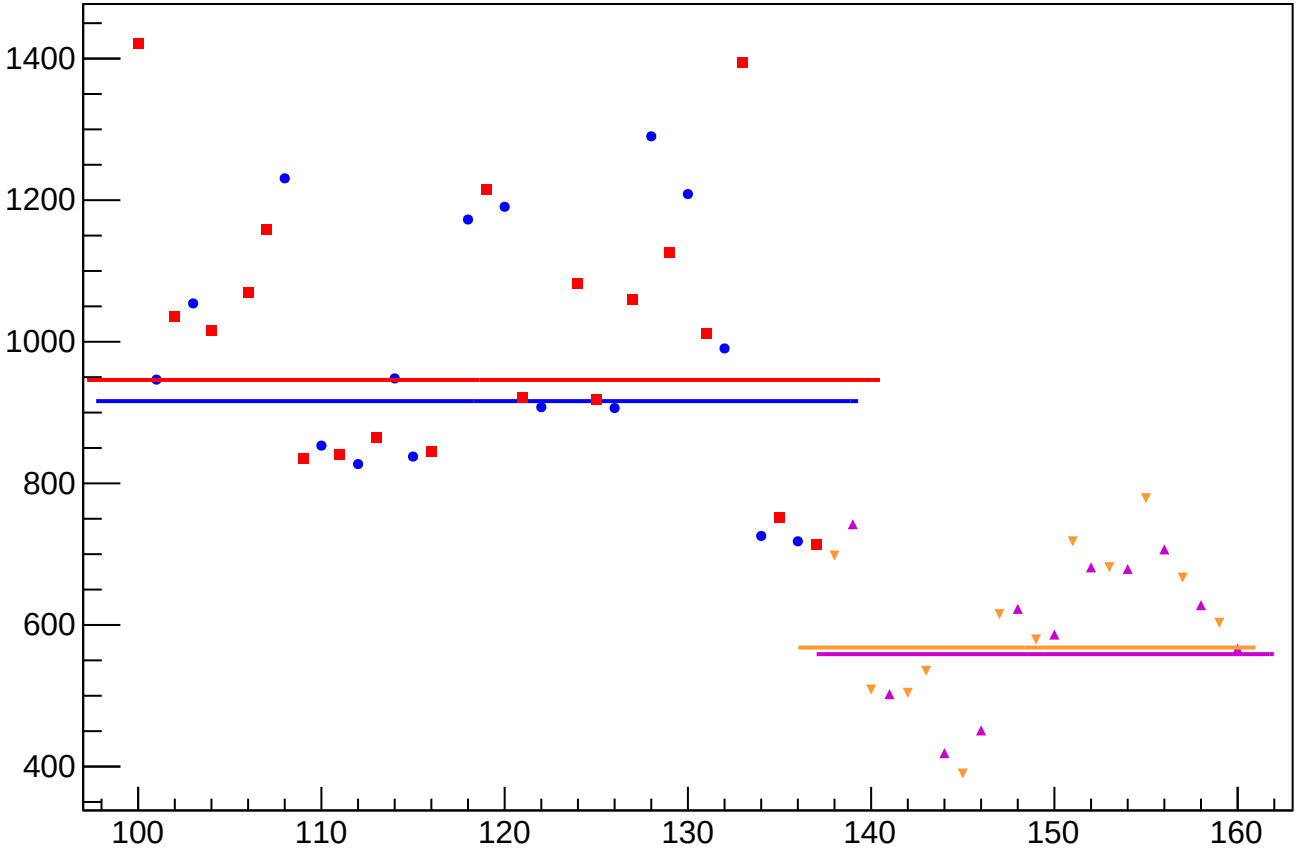
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 25.549+/-163.220 χ^2/NDF:30.1/26

Out: -552.026+/-166.174 χ^2/NDF:57.4/30

All: -258.059+/-116.445 χ^2/NDF: 93.6/57

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: 558.796+/-0.131 χ^2/NDF:646459.8/10

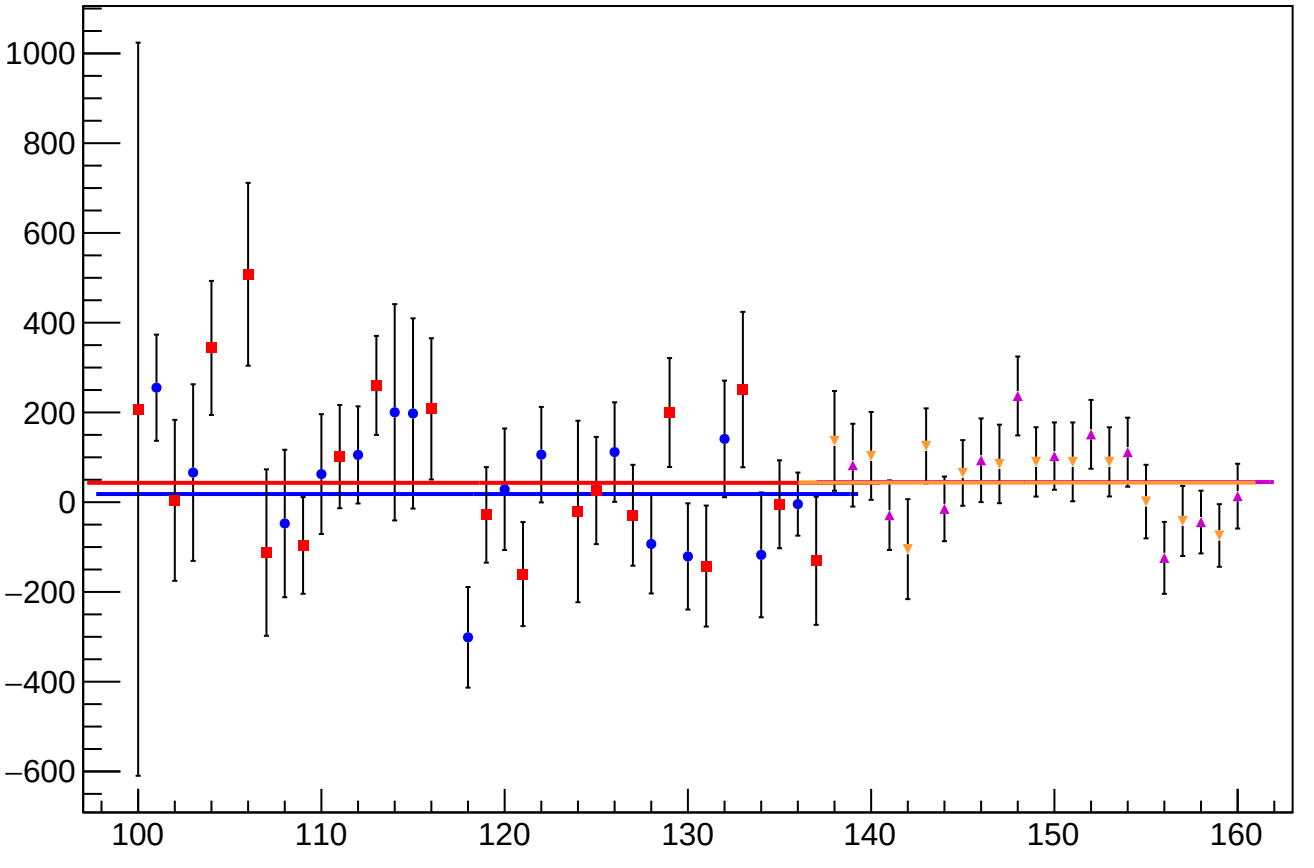
Left: 563.342+/-0.093 χ^2/NDF: 1368485.9/22

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.017+/-0.115 χ^2/NDF:2794883.0/26

Out: 651.608+/-0.118 χ^2/NDF:2906789.7/30

All: 644.181+/-0.082 χ^2/NDF: 5709521.0/57



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: 44.928+/-23.636 χ^2/NDF:16.3/10

Left: 44.282+/-16.902 χ^2/NDF: 25.7/22

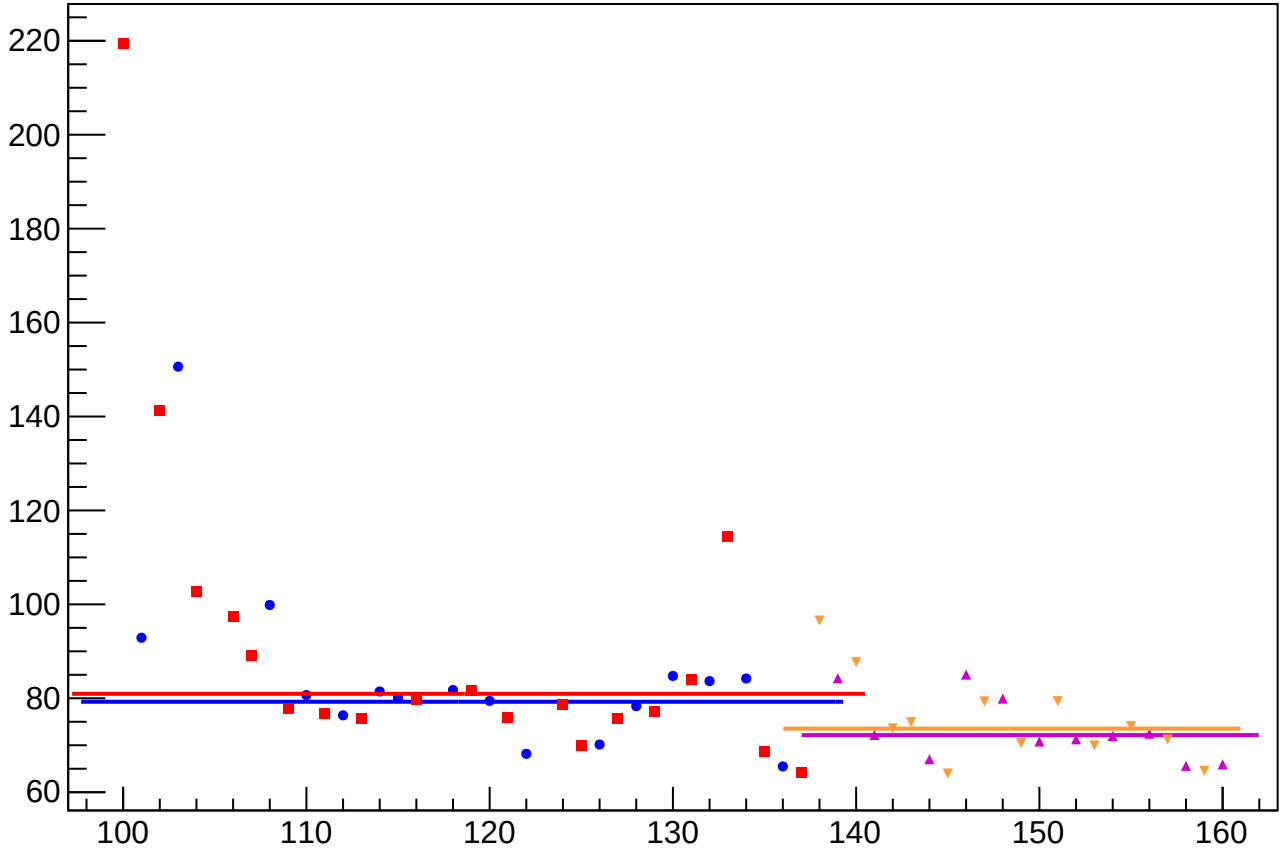
Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 34.826+/-18.647 χ^2/NDF:36.9/26

Out: 43.430+/-18.998 χ^2/NDF:37.1/30

All: 39.048+/-13.308 χ^2/NDF: 74.2/57

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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: 72.173+/-0.017 χ^2/NDF:131982.7/10

Left: 72.841+/-0.012 χ^2/NDF: 357529.5/22

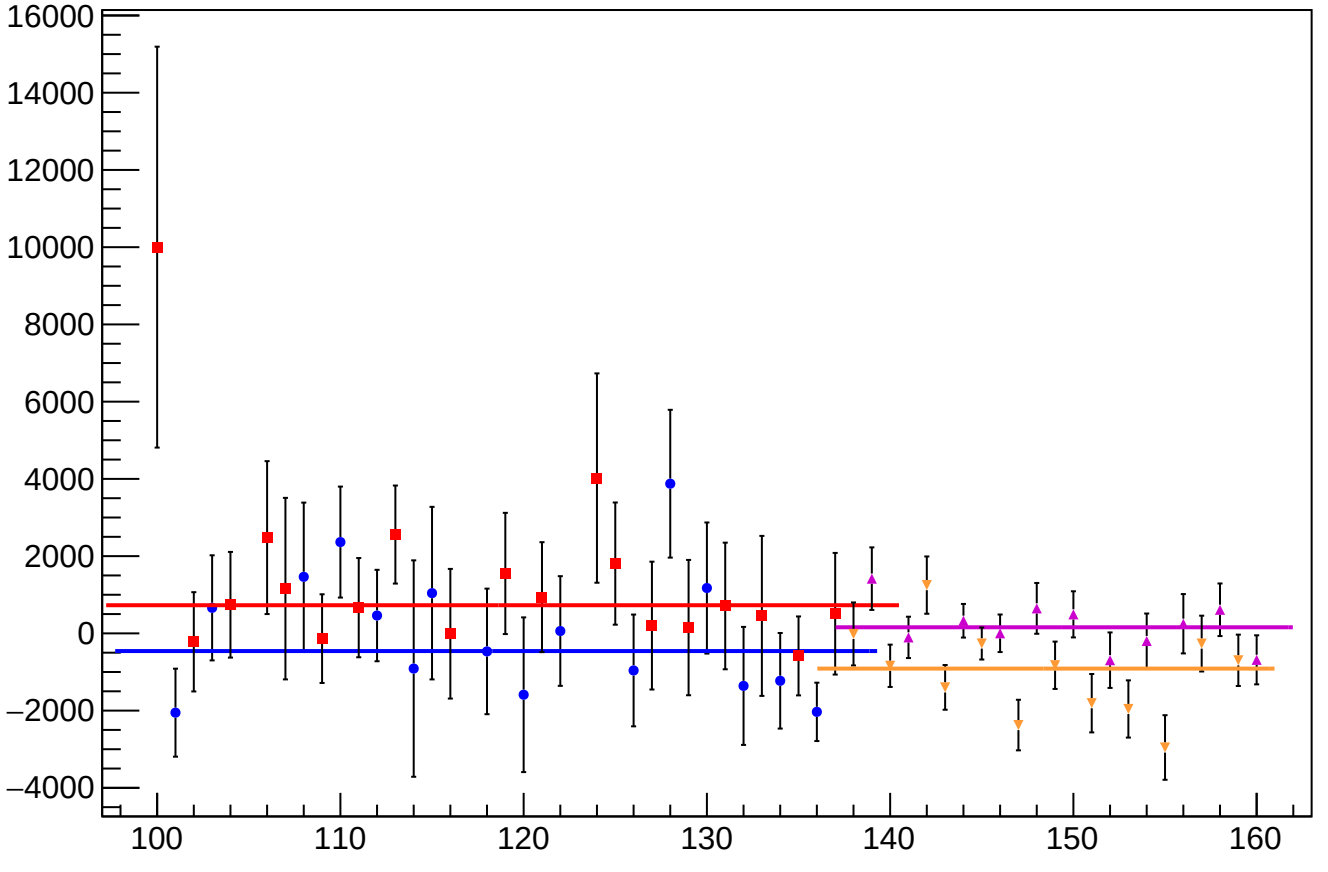
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.850+/-0.013 χ^2/NDF:644890.8/26

Out: 76.380+/-0.013 χ^2/NDF:808484.3/30

All: 75.601+/-0.009 χ^2/NDF: 1459982.3/57

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: 157.811+/-182.940 χ^2/NDF:7.7/10

Left: -374.843+/-129.645 χ^2/NDF: 52.8/22

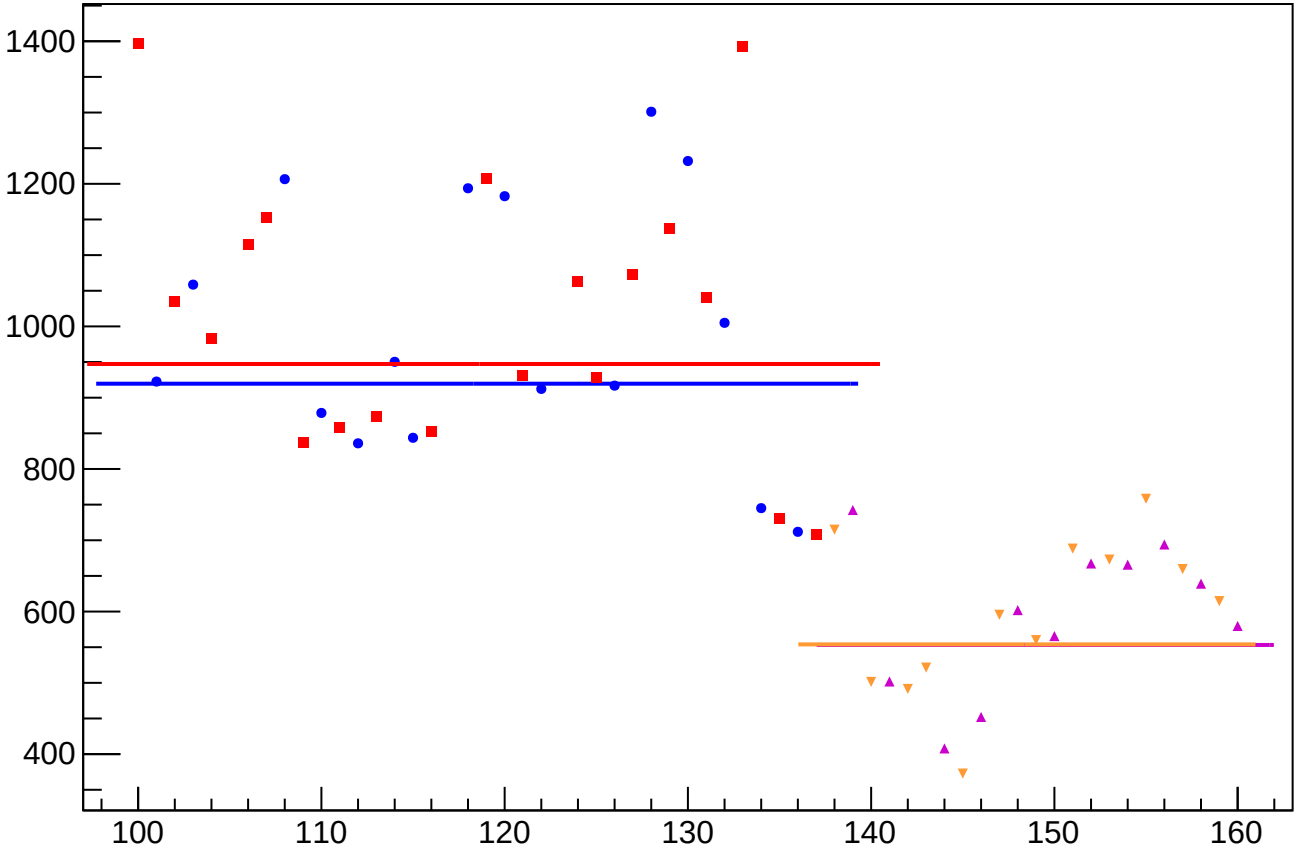
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 25.693+/-162.136 χ^2/NDF:30.4/26

Out: -561.719+/-162.950 χ^2/NDF:56.7/30

All: -266.543+/-114.934 χ^2/NDF: 93.6/57

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: 553.141+/-0.129 χ^2/NDF:651665.4/10

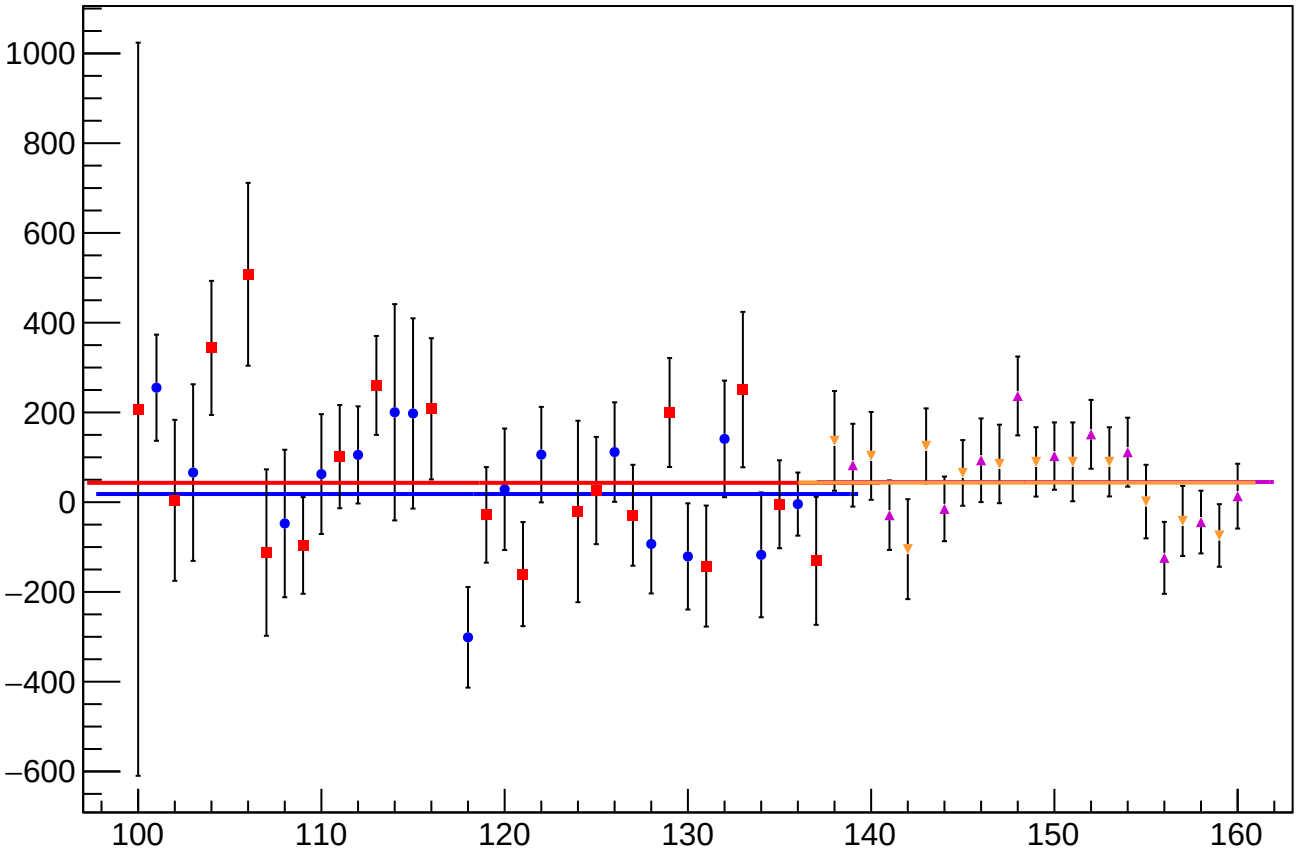
Left: 553.535+/-0.092 χ^2/NDF: 1451669.6/22

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 631.757+/-0.115 χ^2/NDF:2888950.6/26

Out: 637.952+/-0.115 χ^2/NDF:3183063.0/30

All: 634.839+/-0.081 χ^2/NDF: 6073466.4/57



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: 44.927+/-23.636 χ^2/NDF:16.3/10

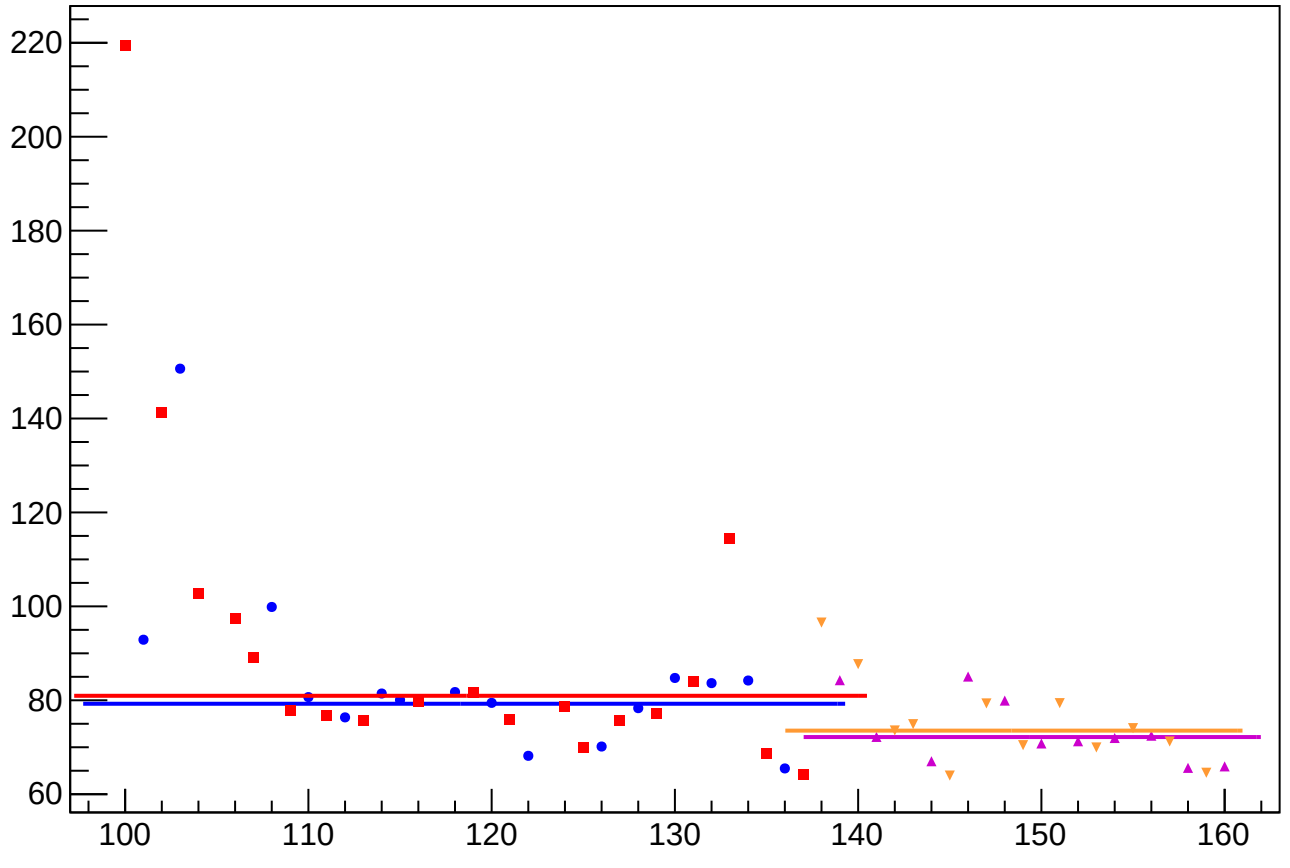
Left: 44.282+/-16.903 χ^2/NDF: 25.7/22

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 34.826+/-18.647 χ^2/NDF:36.9/26

Out: 43.430+/-18.998 χ^2/NDF:37.1/30

All: 39.048+/-13.308 χ^2/NDF: 74.2/57



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: 72.173+/-0.017 χ^2/NDF:131986.5/10

Left: 72.842+/-0.012 χ^2/NDF: 357530.8/22

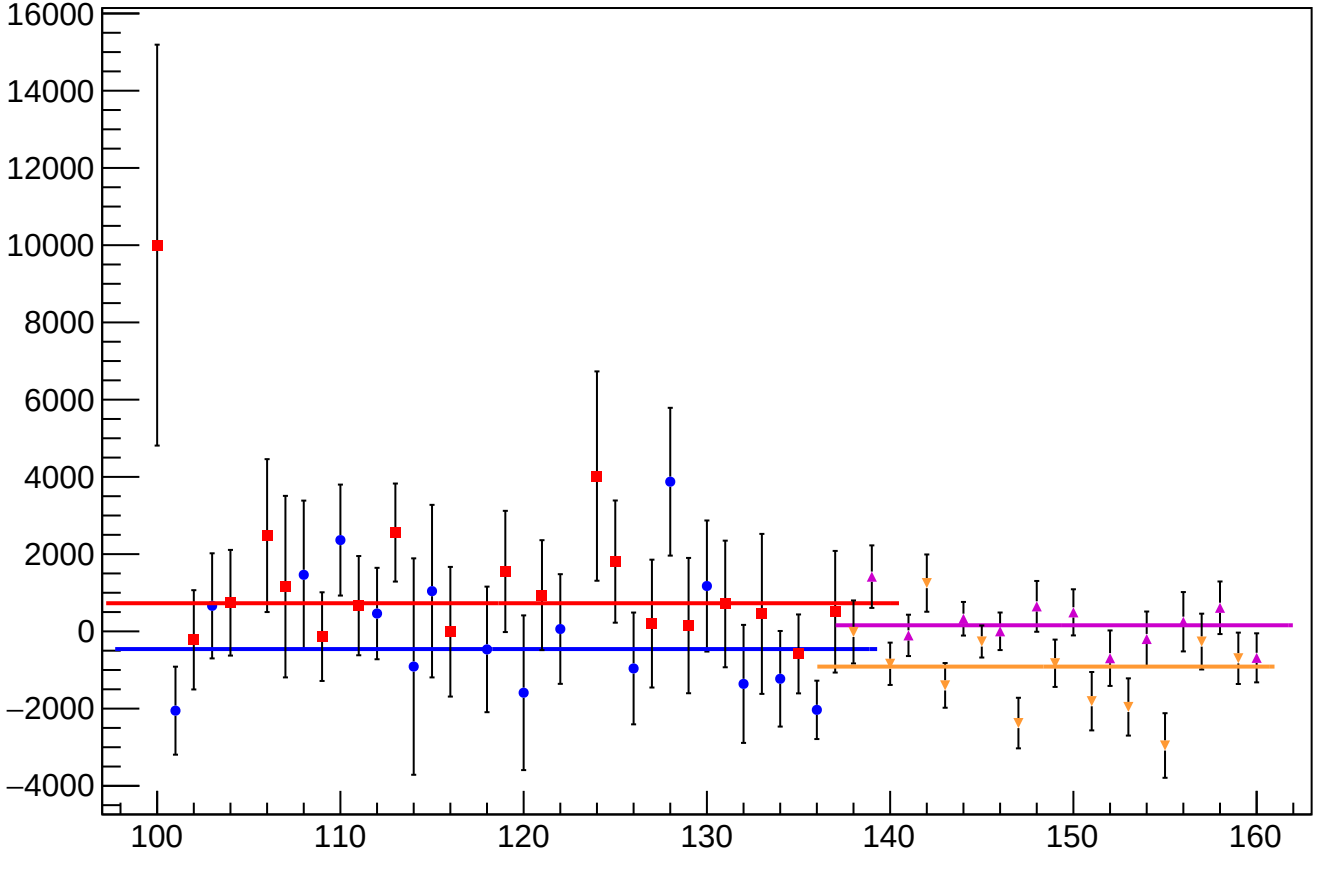
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.850+/-0.013 χ^2/NDF:644883.0/26

Out: 76.380+/-0.013 χ^2/NDF:808480.1/30

All: 75.601+/-0.009 χ^2/NDF: 1459970.8/57

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: 157.810+/-182.940 χ^2/NDF:7.7/10

Left: -374.844+/-129.644 χ^2/NDF: 52.8/22

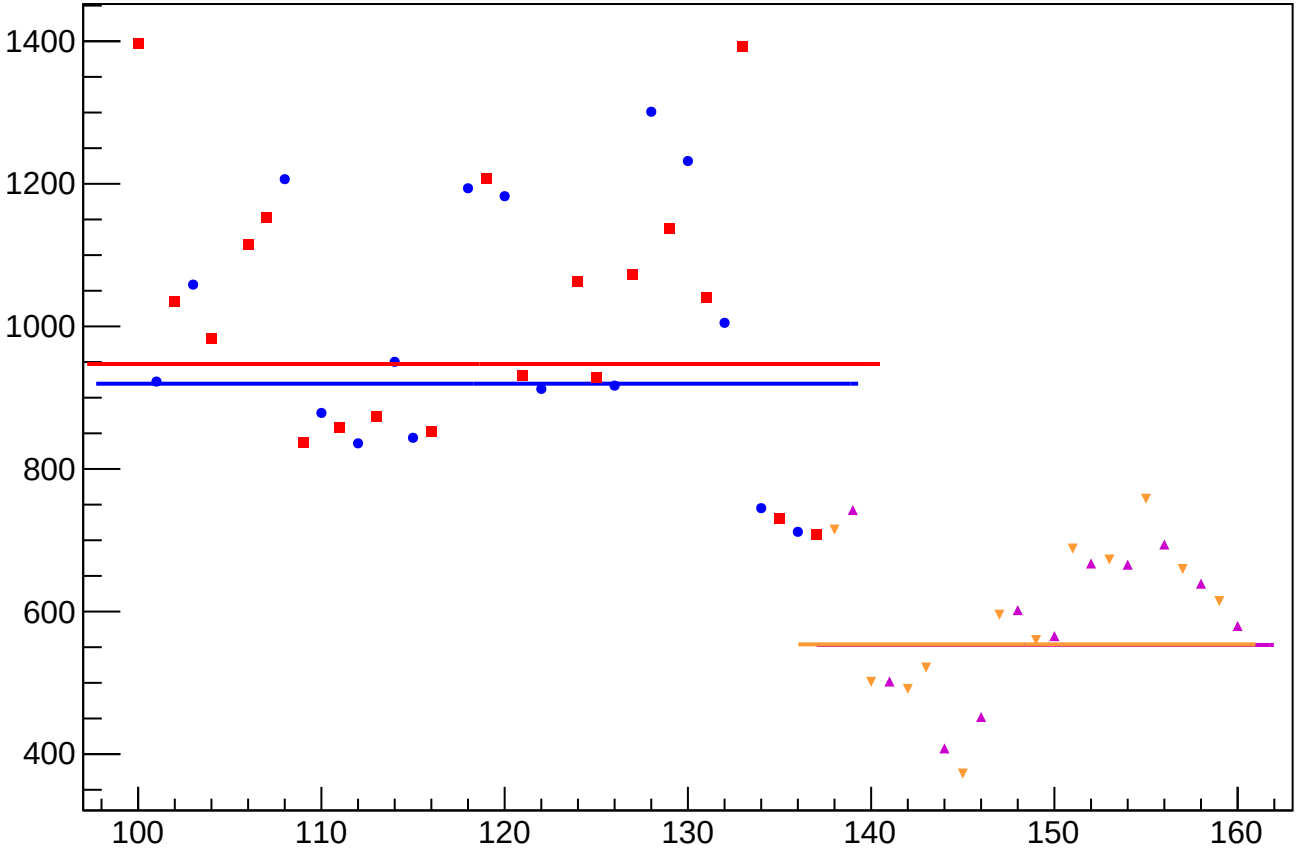
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 25.693+/-162.136 χ^2/NDF:30.4/26

Out: -561.718+/-162.950 χ^2/NDF:56.7/30

All: -266.542+/-114.934 χ^2/NDF: 93.6/57

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: 553.140+/-0.129 χ^2/NDF:651664.2/10

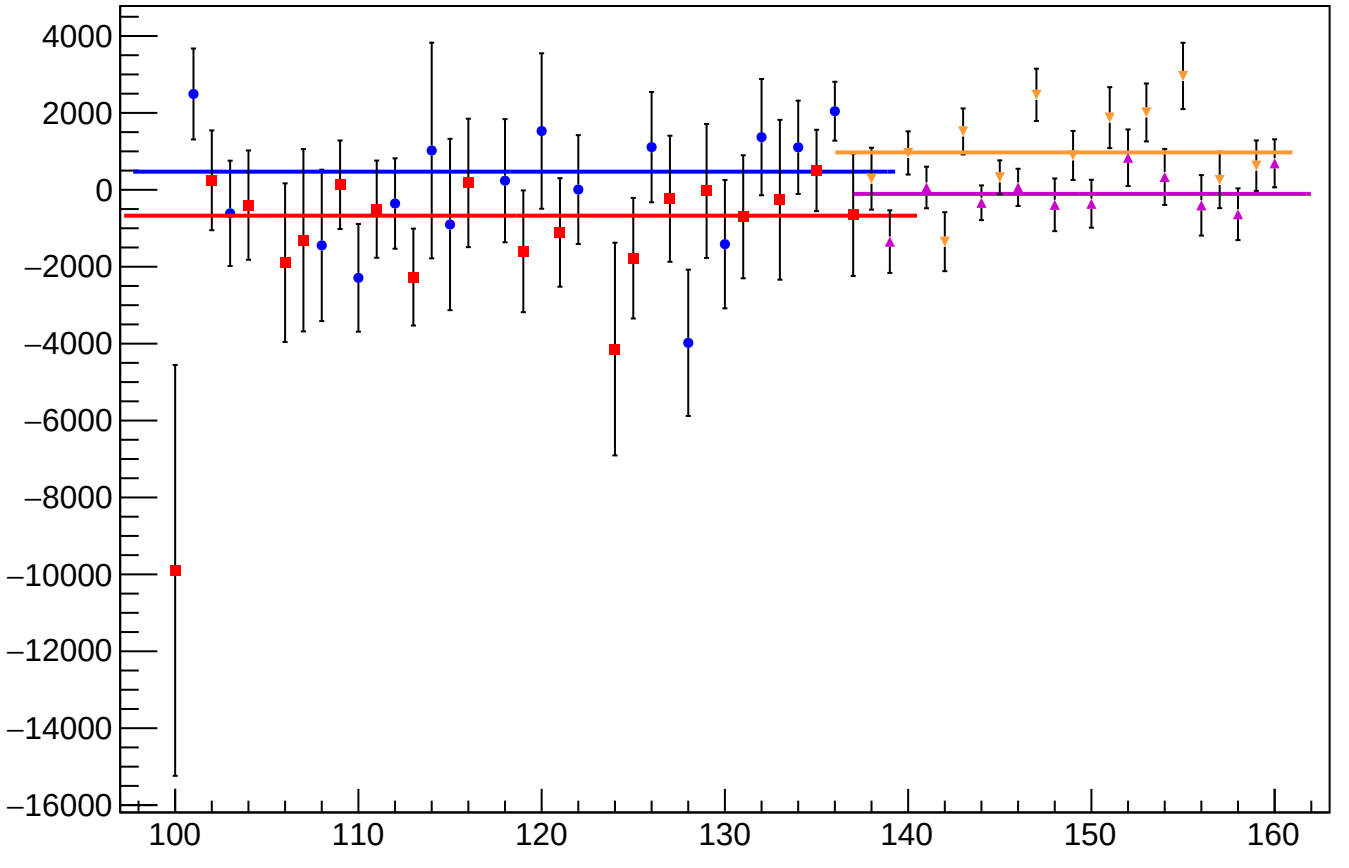
Left: 553.535+/-0.092 χ^2/NDF: 1451672.5/22

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 631.756+/-0.115 χ^2/NDF:2888944.2/26

Out: 637.951+/-0.115 χ^2/NDF:3183064.1/30

All: 634.838+/-0.081 χ^2/NDF: 6073460.9/57



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: -106.696+/-185.855 χ^2/NDF:7.5/10

Left: 422.367+/-132.675 χ^2/NDF: 51.5/22

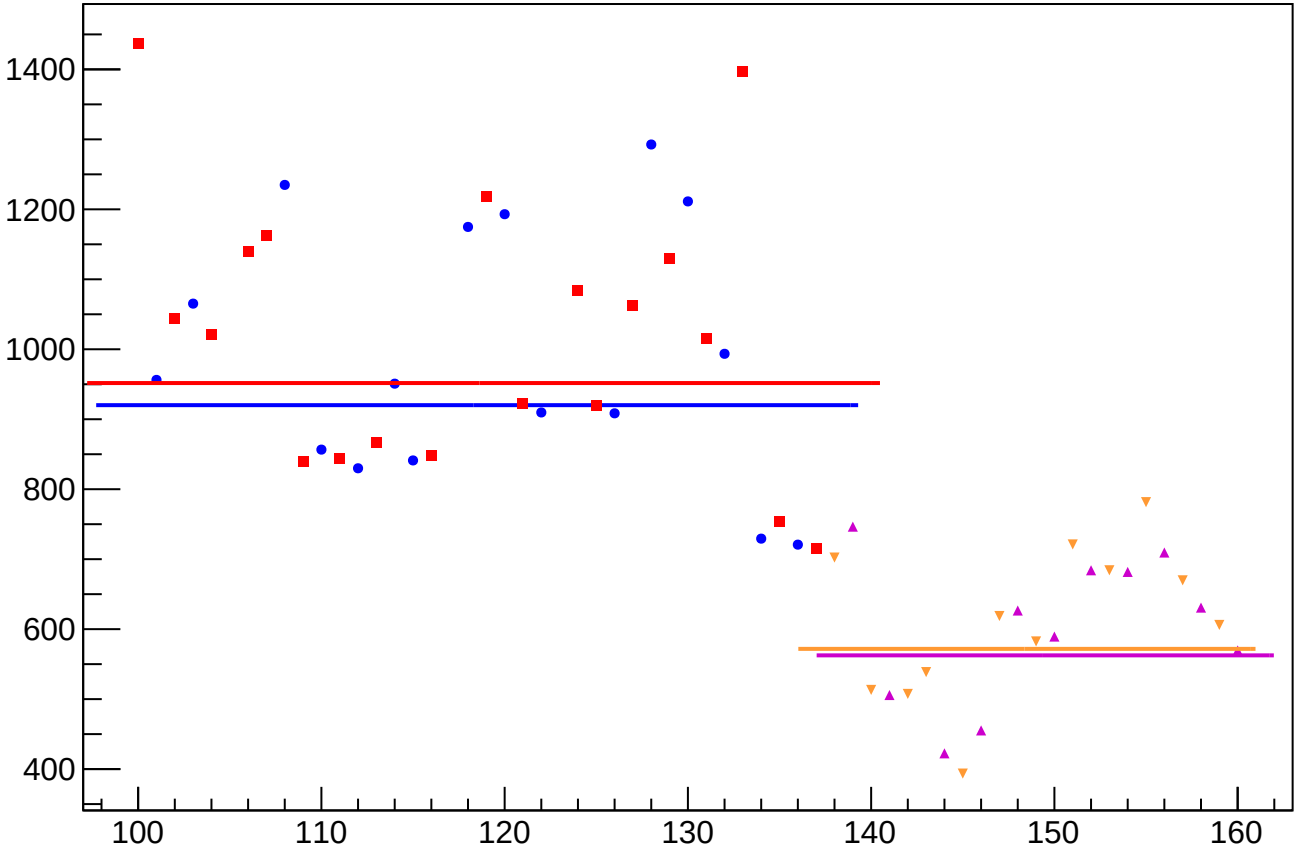
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 20.381+/-164.186 χ^2/NDF:31.1/26

Out: 606.771+/-167.094 χ^2/NDF:54.5/30

All: 308.428+/-117.112 χ^2/NDF: 91.9/57

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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: 562.548+/-0.131 χ^2/NDF:635066.0/10

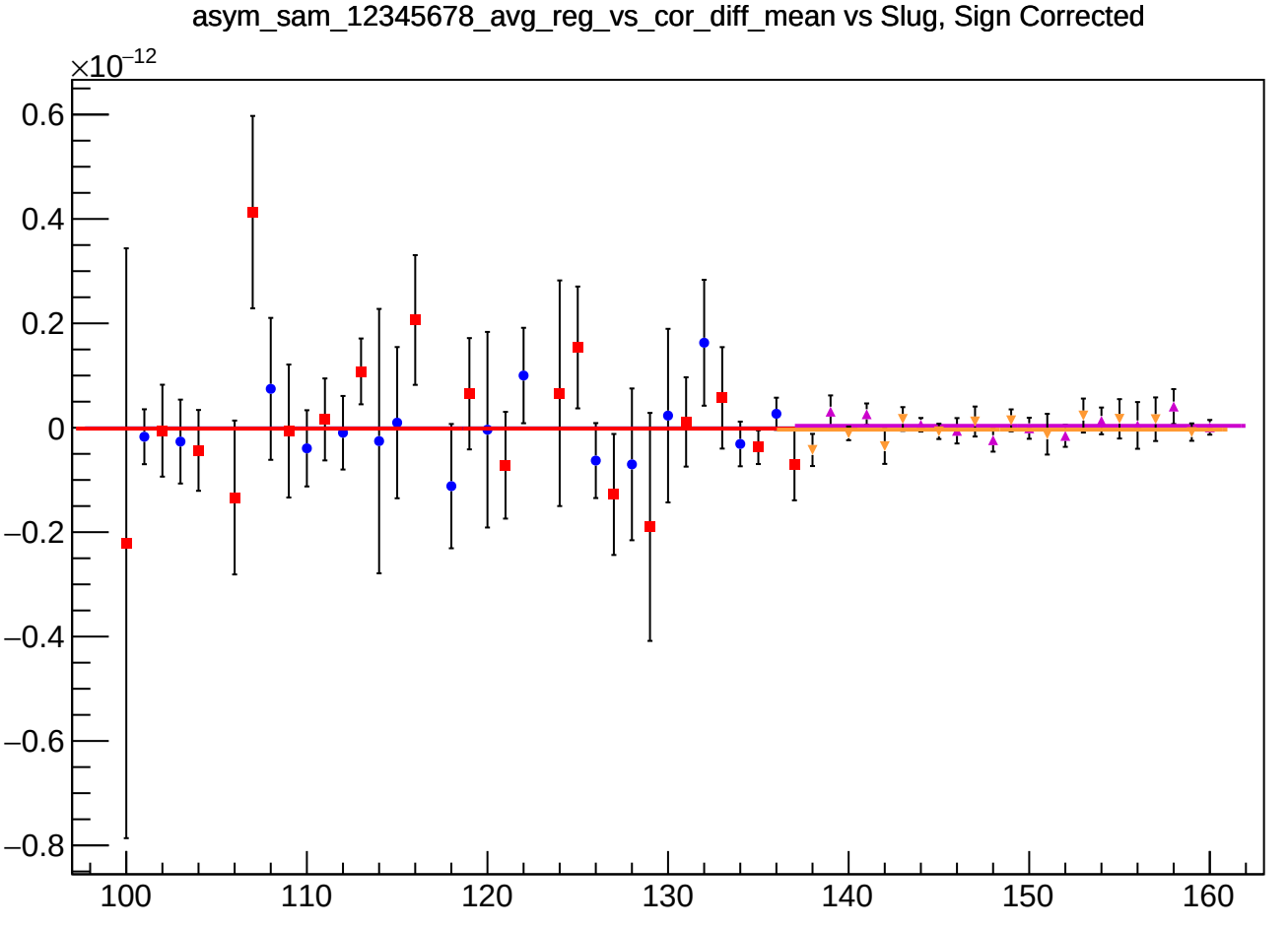
Left: 567.101+/-0.094 χ^2/NDF: 1344799.2/22

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 641.067+/-0.116 χ^2/NDF:2769394.9/26

Out: 656.229+/-0.118 χ^2/NDF:2909821.5/30

All: 648.515+/-0.083 χ^2/NDF: 5687594.3/57



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/10

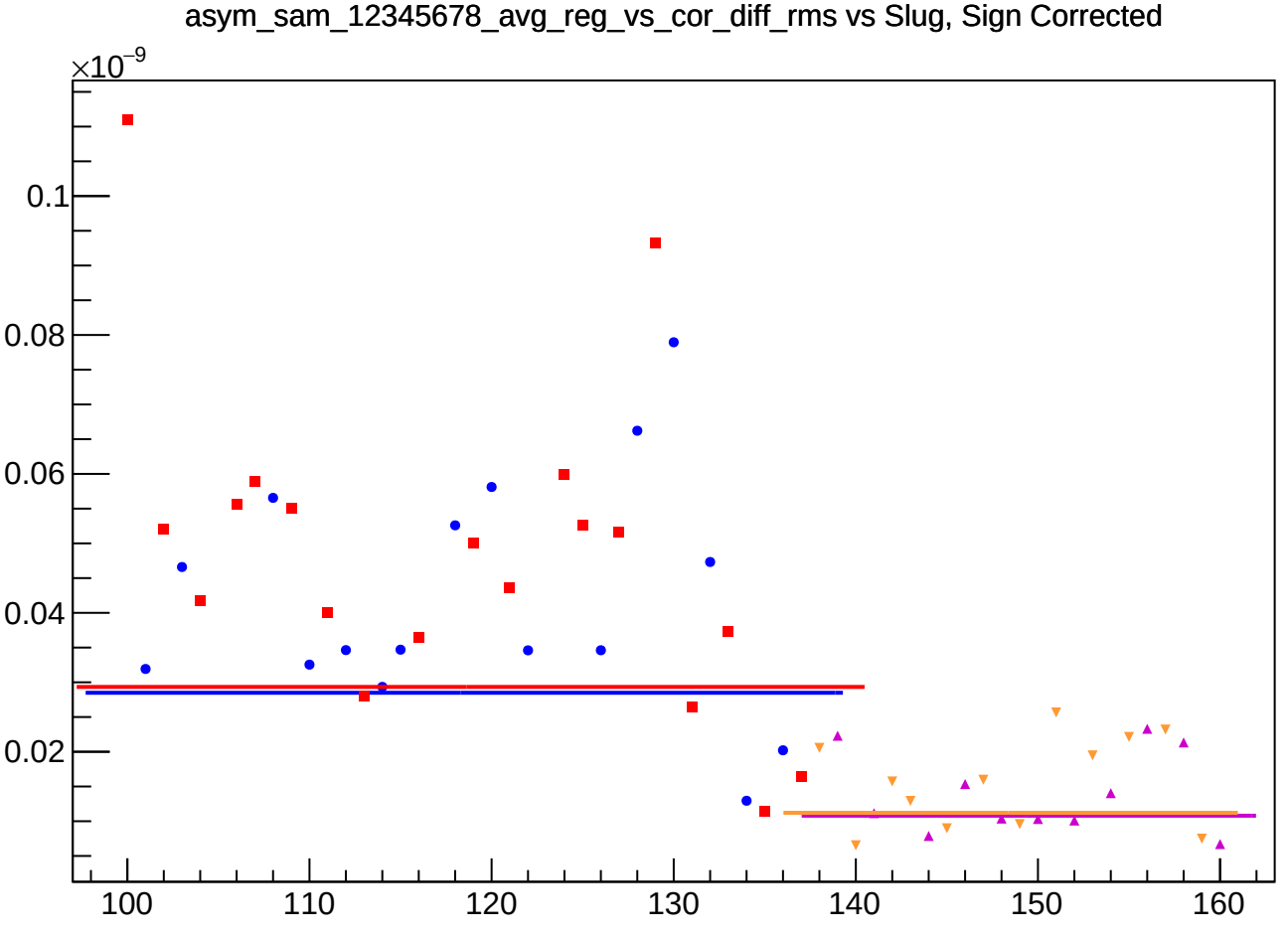
Left: 0.000+/-0.000 χ^2/NDF: 12.6/22

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:13.1/26

Out: -0.000+/-0.000 χ^2/NDF:25.4/30

All: 0.000+/-0.000 χ^2/NDF: 39.0/57



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:1004452.4/10

Left: 0.000+/-0.000 χ^2/NDF: 2443663.8/22

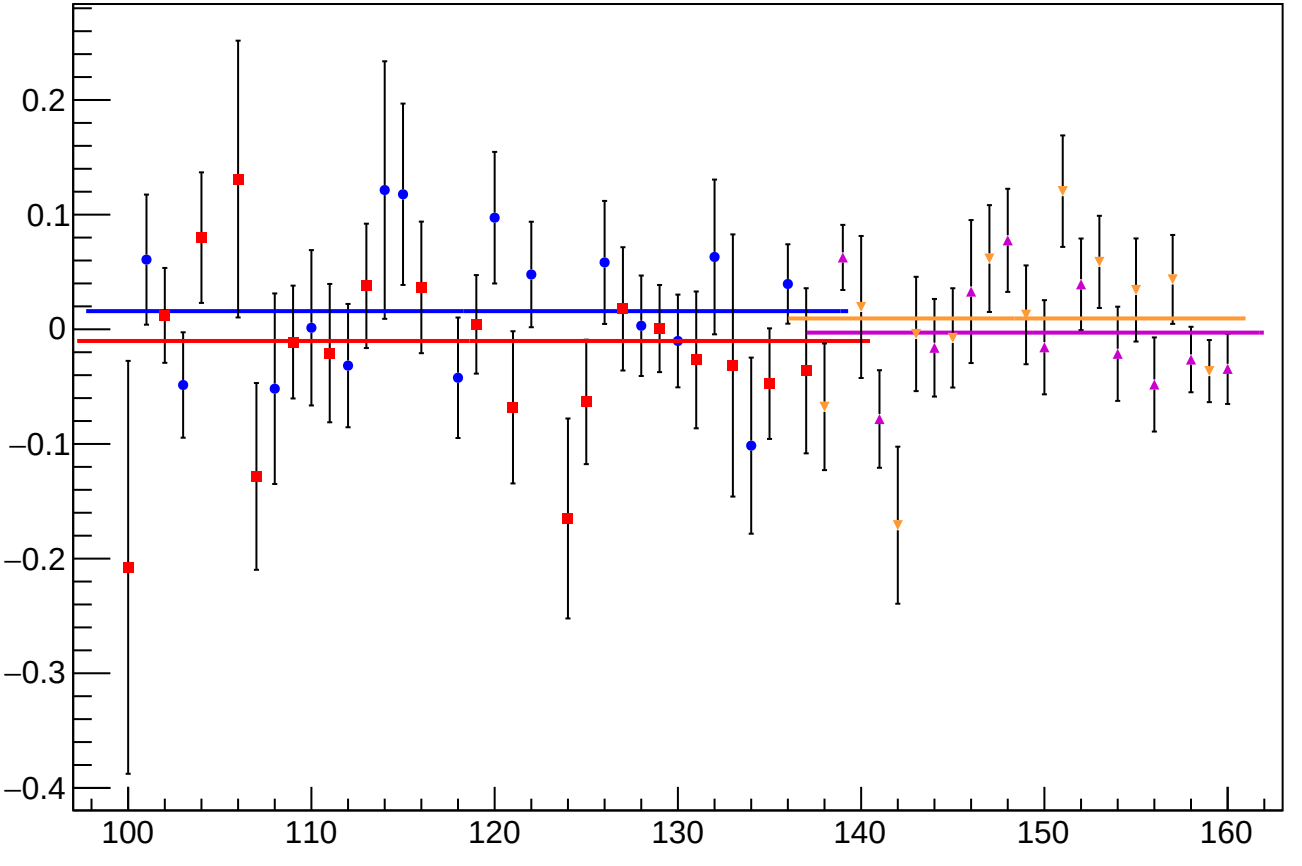
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3933526.8/26

Out: 0.000+/-0.000 χ^2/NDF:4674574.2/30

All: 0.000+/-0.000 χ^2/NDF: 8610172.4/57

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: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.003+/-0.008 χ^2/NDF: 38.1/22

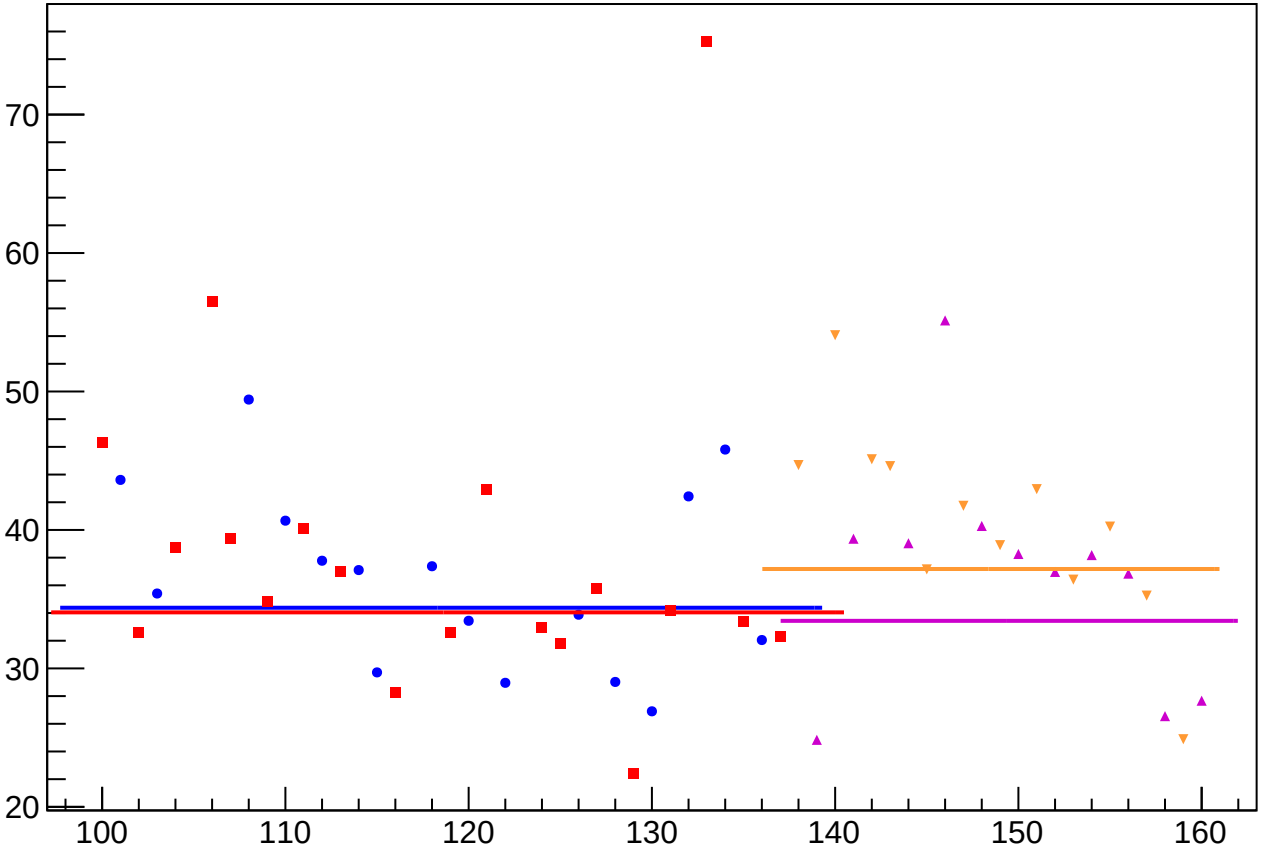
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.003+/-0.006 χ^2/NDF: 69.9/57

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: 33.435+/-0.008 χ^2/NDF:816412.0/10

Left: 35.109+/-0.006 χ^2/NDF: 1648210.0/22

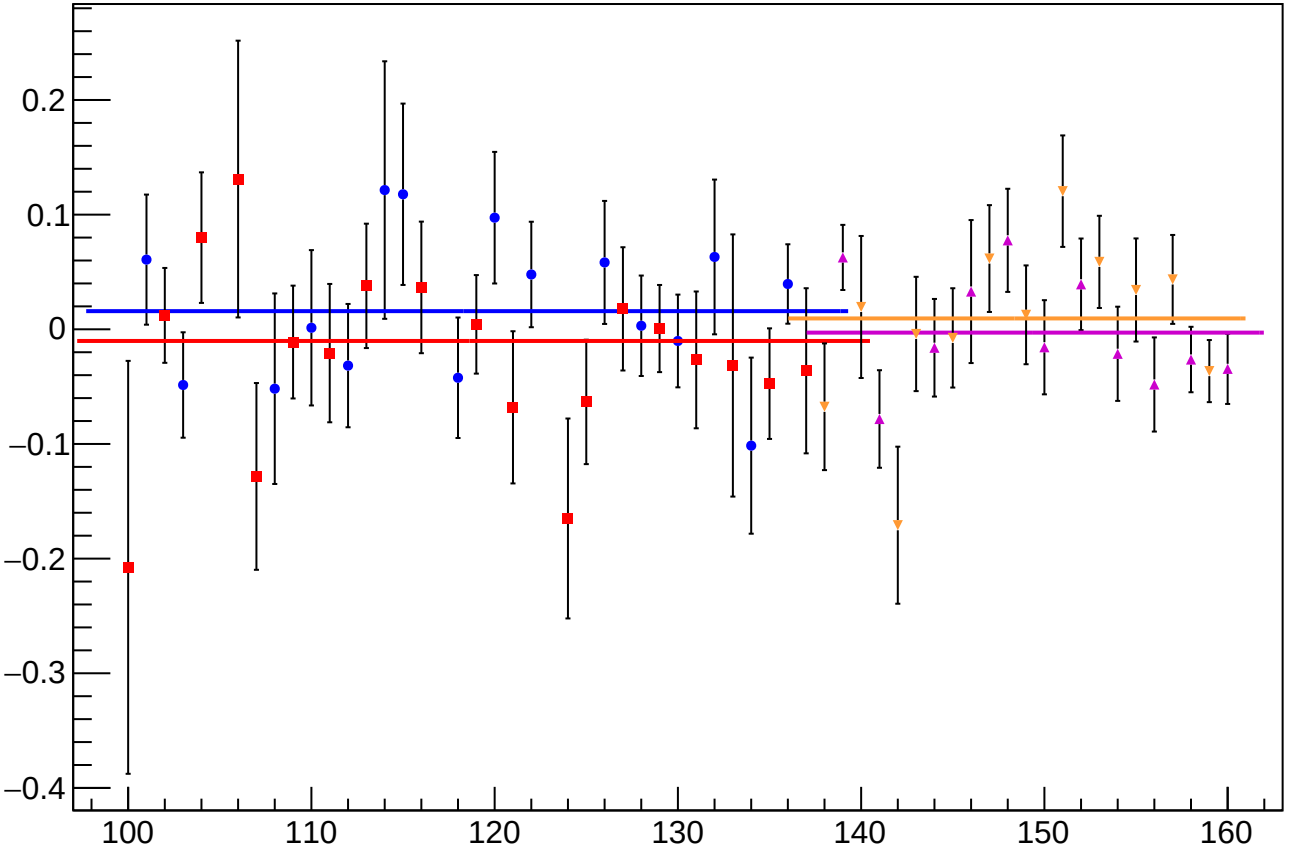
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.830+/-0.006 χ^2/NDF:1190120.2/26

Out: 35.688+/-0.006 χ^2/NDF:1435667.7/30

All: 34.710+/-0.004 χ^2/NDF: 2669514.4/57

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: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.003+/-0.008 χ^2/NDF: 38.1/22

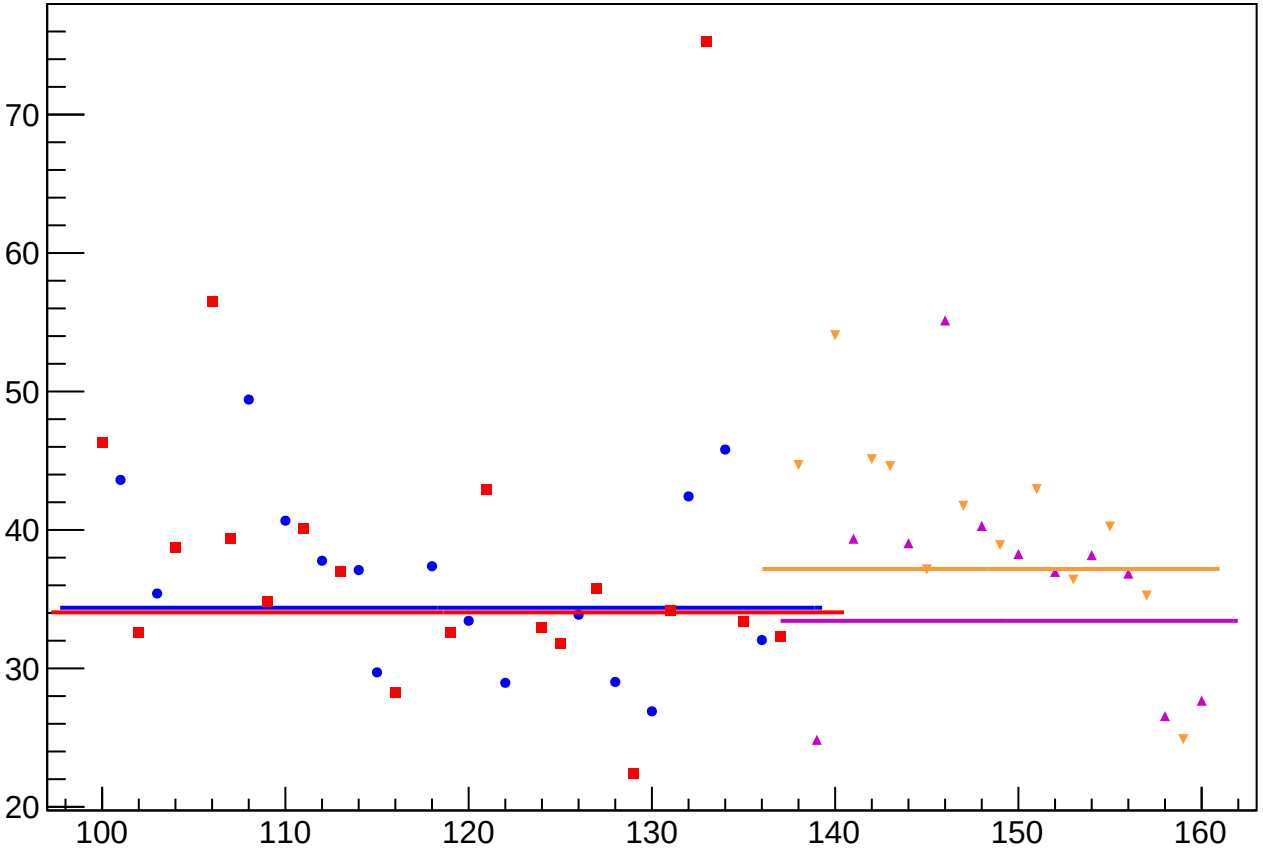
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.003+/-0.006 χ^2/NDF: 69.9/57

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: 33.435+/-0.008 χ^2/NDF:816412.0/10

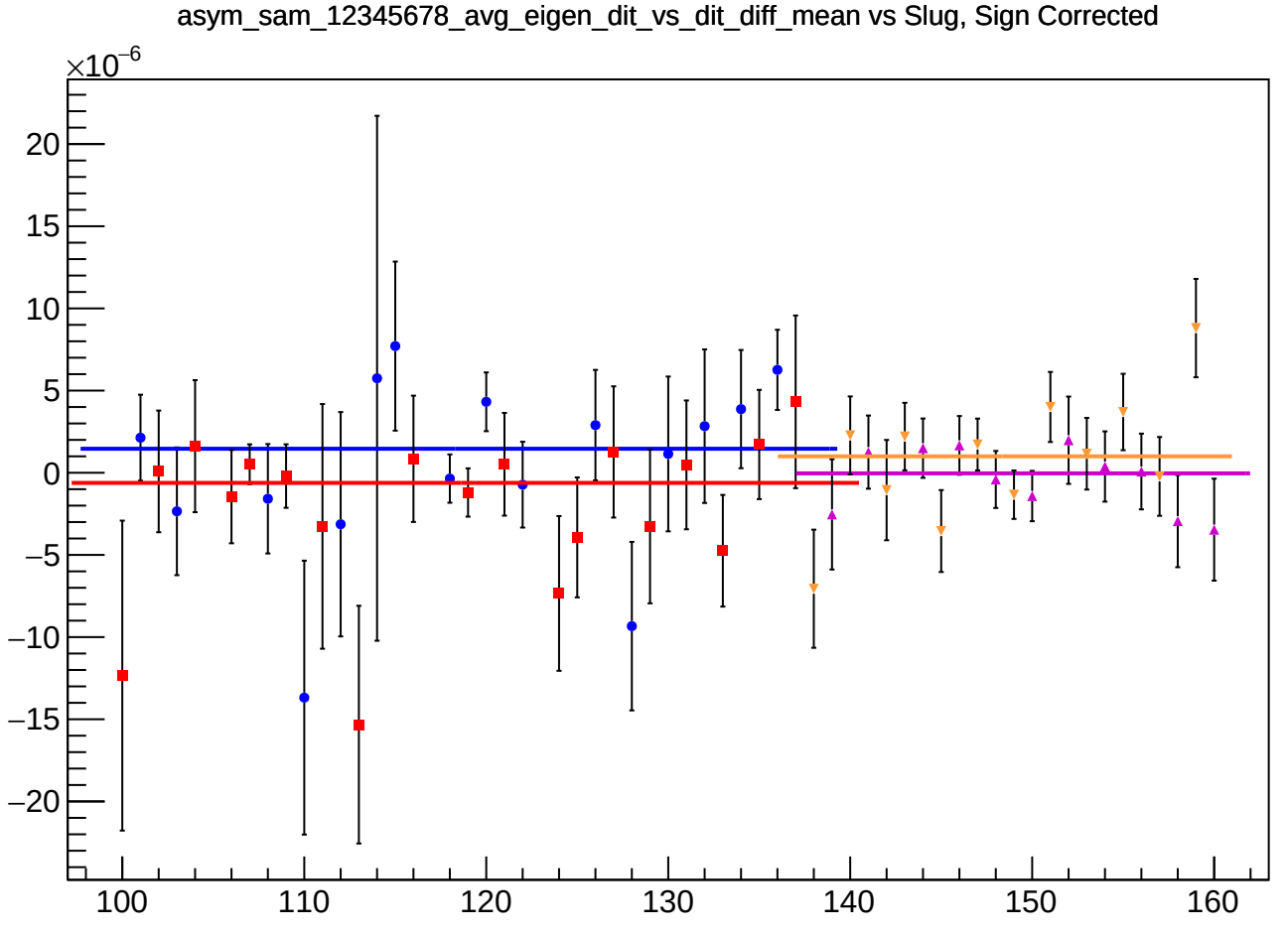
Left: 35.109+/-0.006 χ^2/NDF: 1648210.0/22

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.830+/-0.006 χ^2/NDF:1190120.2/26

Out: 35.688+/-0.006 χ^2/NDF:1435667.7/30

All: 34.710+/-0.004 χ^2/NDF: 2669514.4/57



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:6.3/10

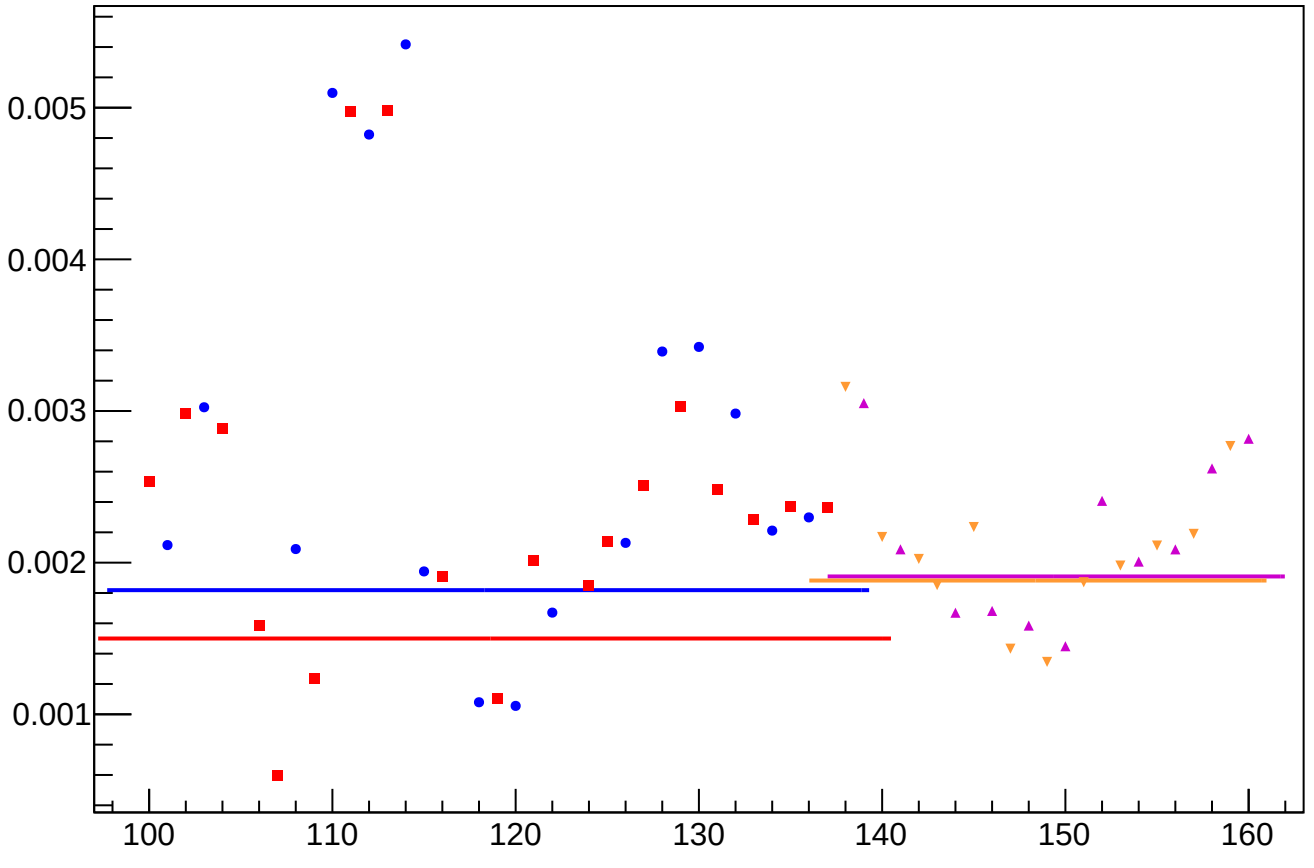
Left: 0.000+/-0.000 χ^2/NDF: 30.2/22

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.6/26

Out: 0.000+/-0.000 χ^2/NDF:39.7/30

All: 0.000+/-0.000 χ^2/NDF: 69.6/57



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:949749.4/10

Left: 0.002+/-0.000 χ^2/NDF: 1938763.7/22

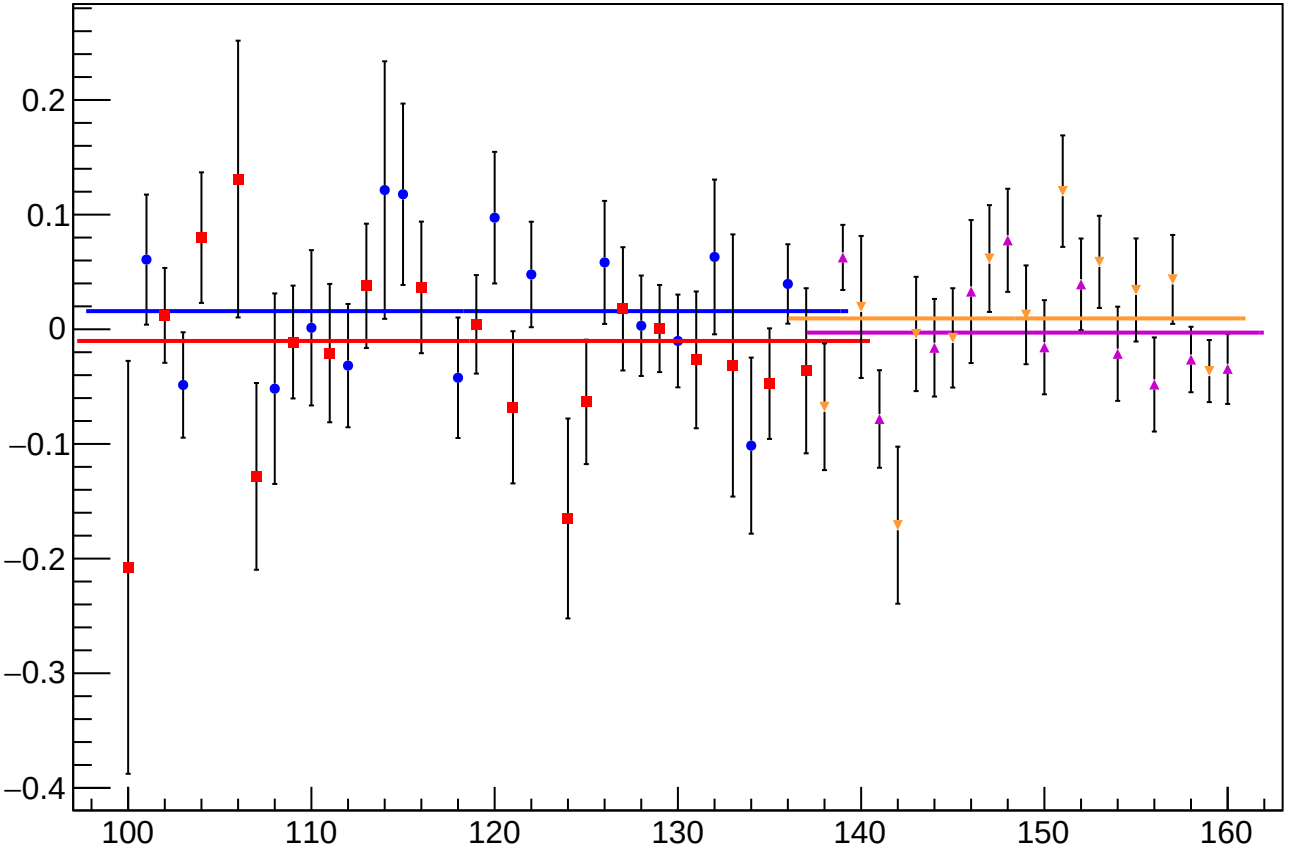
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3536743.2/26

Out: 0.002+/-0.000 χ^2/NDF:5035912.8/30

All: 0.002+/-0.000 χ^2/NDF: 8711858.2/57

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: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.003+/-0.008 χ^2/NDF: 38.1/22

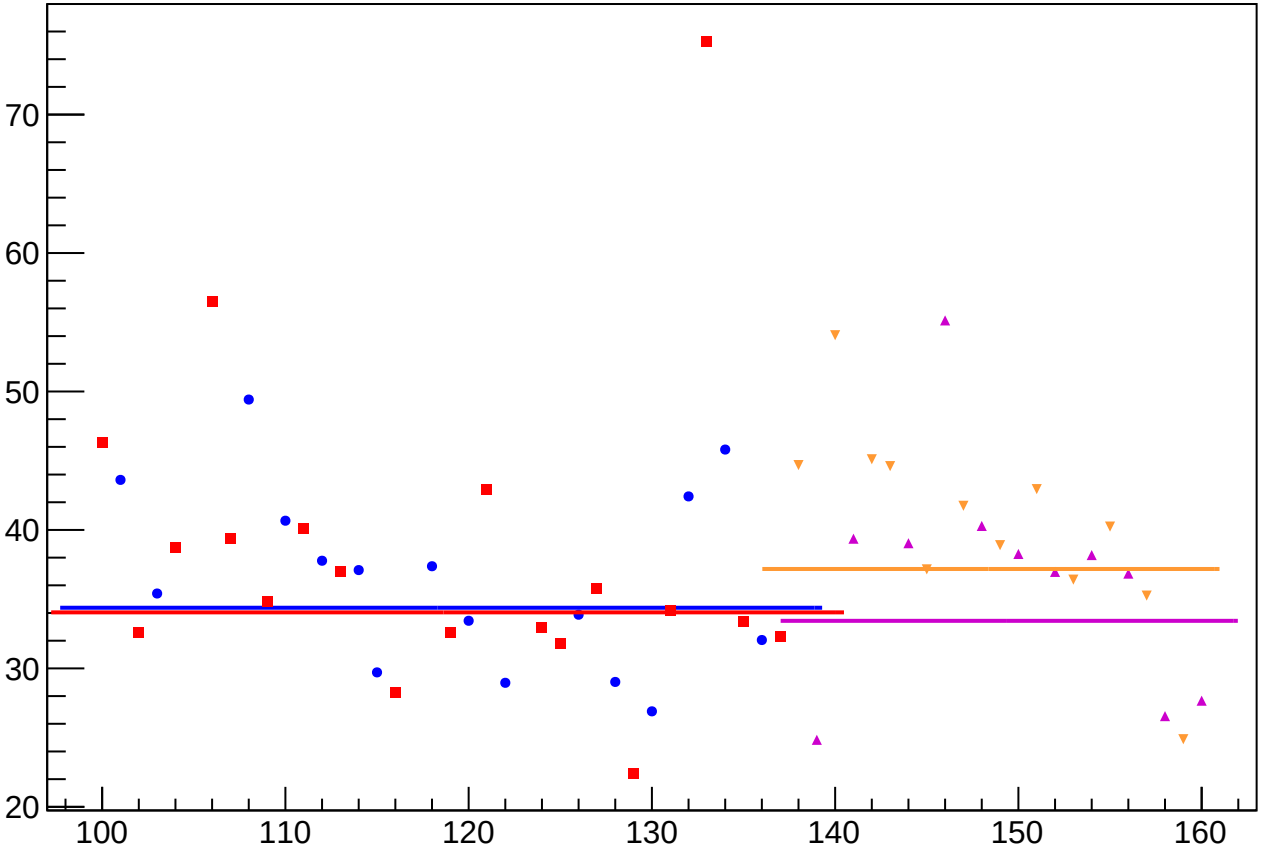
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.003+/-0.006 χ^2/NDF: 69.9/57

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: 33.435+/-0.008 χ^2/NDF:816475.0/10

Left: 35.109+/-0.006 χ^2/NDF: 1648334.1/22

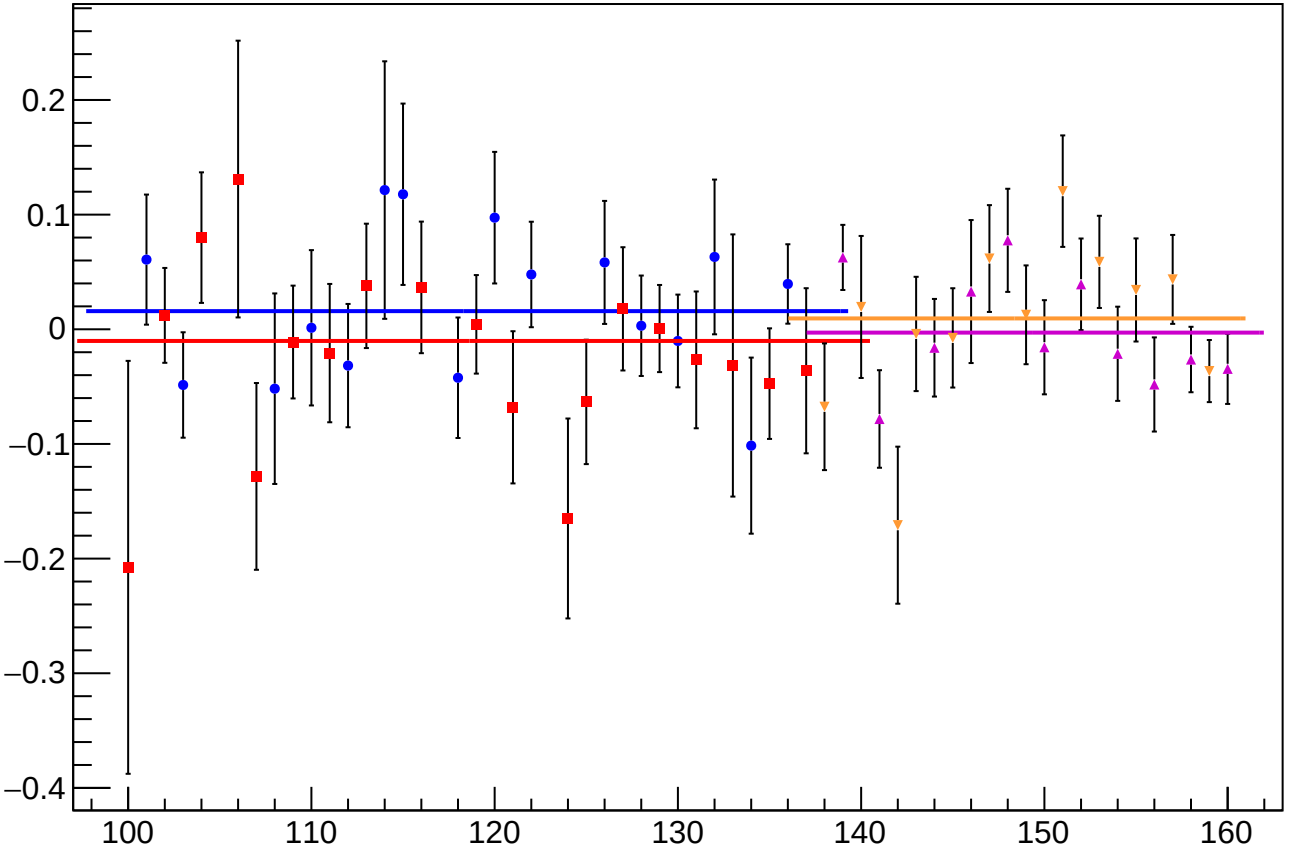
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.830+/-0.006 χ^2/NDF:1190229.1/26

Out: 35.688+/-0.006 χ^2/NDF:1435799.4/30

All: 34.710+/-0.004 χ^2/NDF: 2669758.4/57

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: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.003+/-0.008 χ^2/NDF: 38.1/22

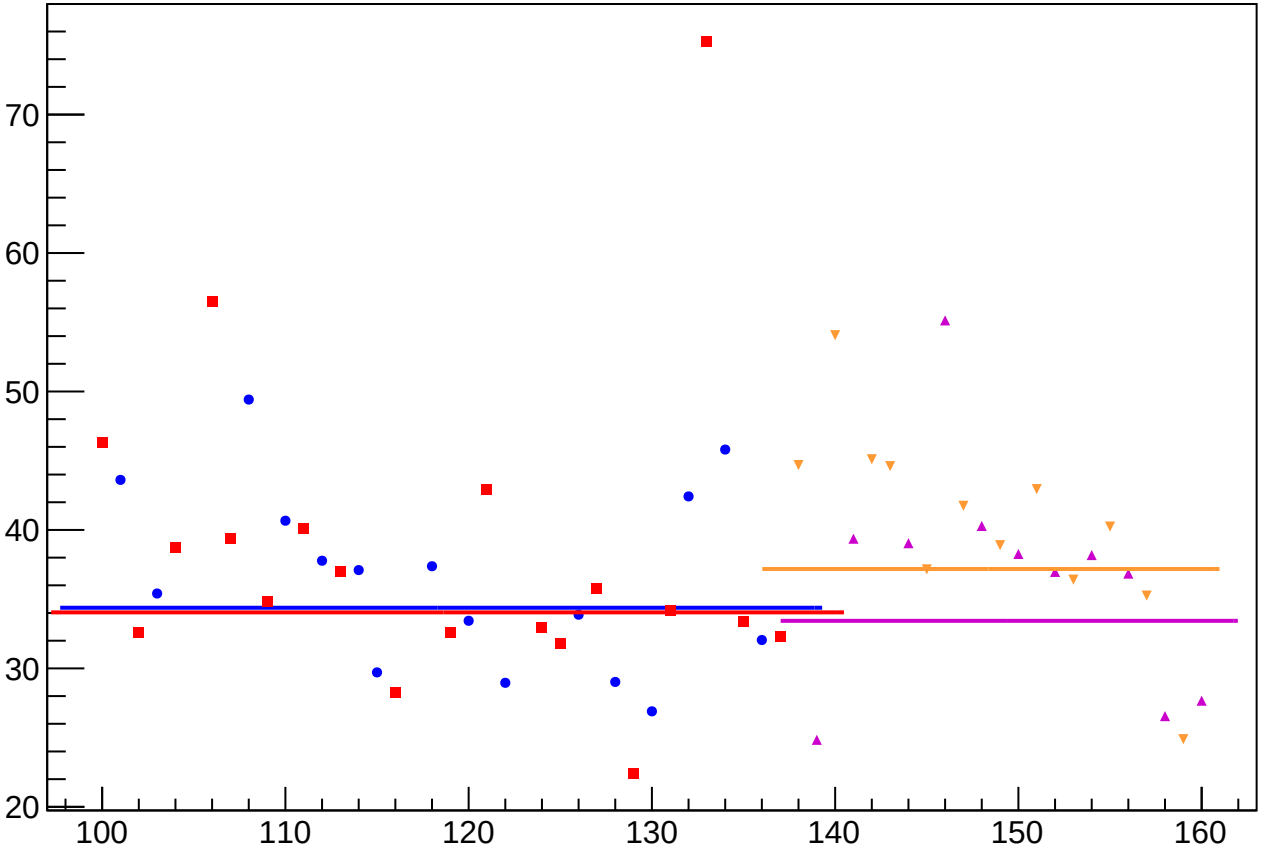
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.000+/-0.009 χ^2/NDF:37.3/30

All: 0.003+/-0.006 χ^2/NDF: 69.9/57

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: 33.435+/-0.008 χ^2/NDF:816475.0/10

Left: 35.109+/-0.006 χ^2/NDF: 1648334.1/22

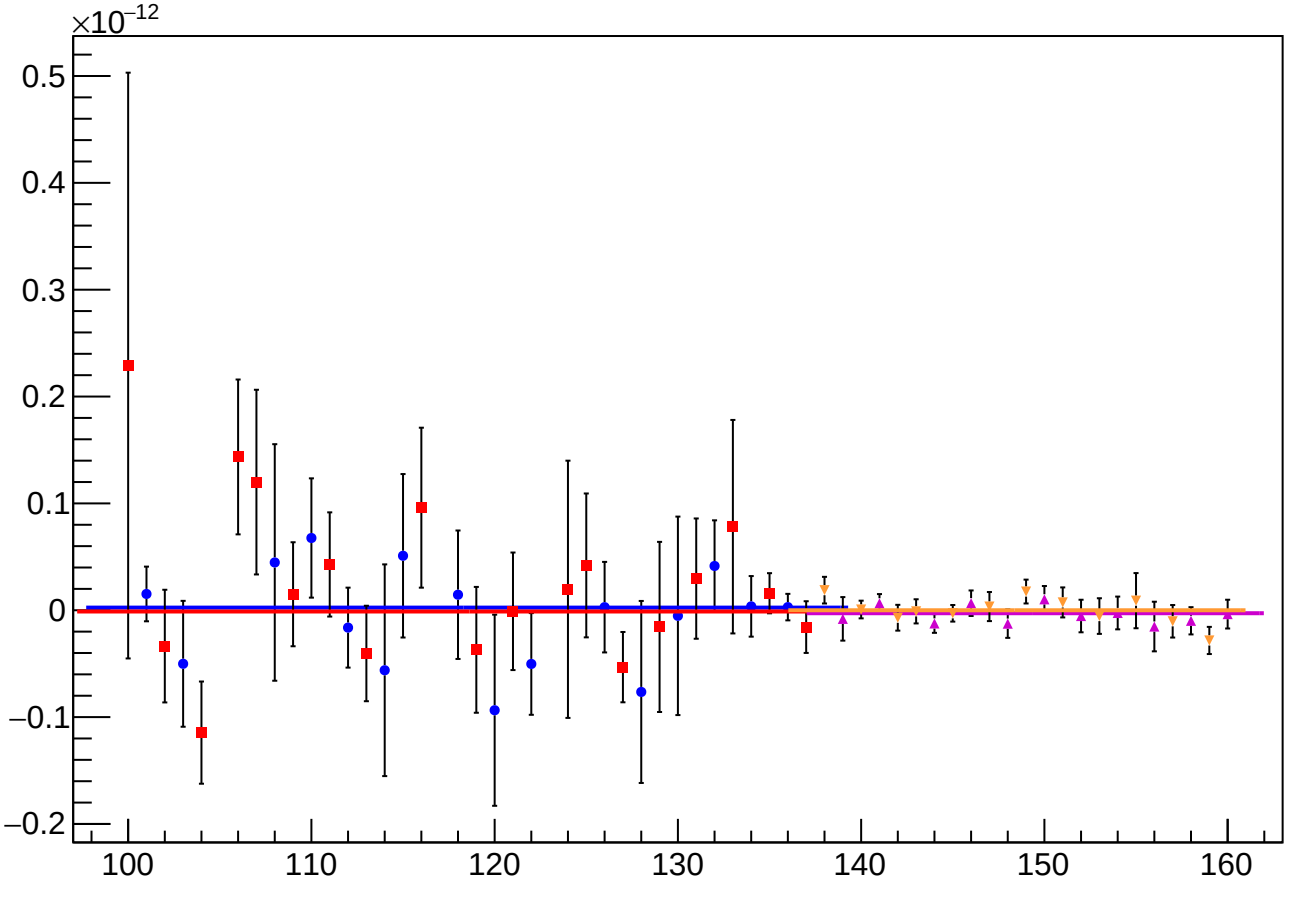
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.830+/-0.006 χ^2/NDF:1190229.1/26

Out: 35.688+/-0.006 χ^2/NDF:1435799.4/30

All: 34.710+/-0.004 χ^2/NDF: 2669758.4/57

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/10

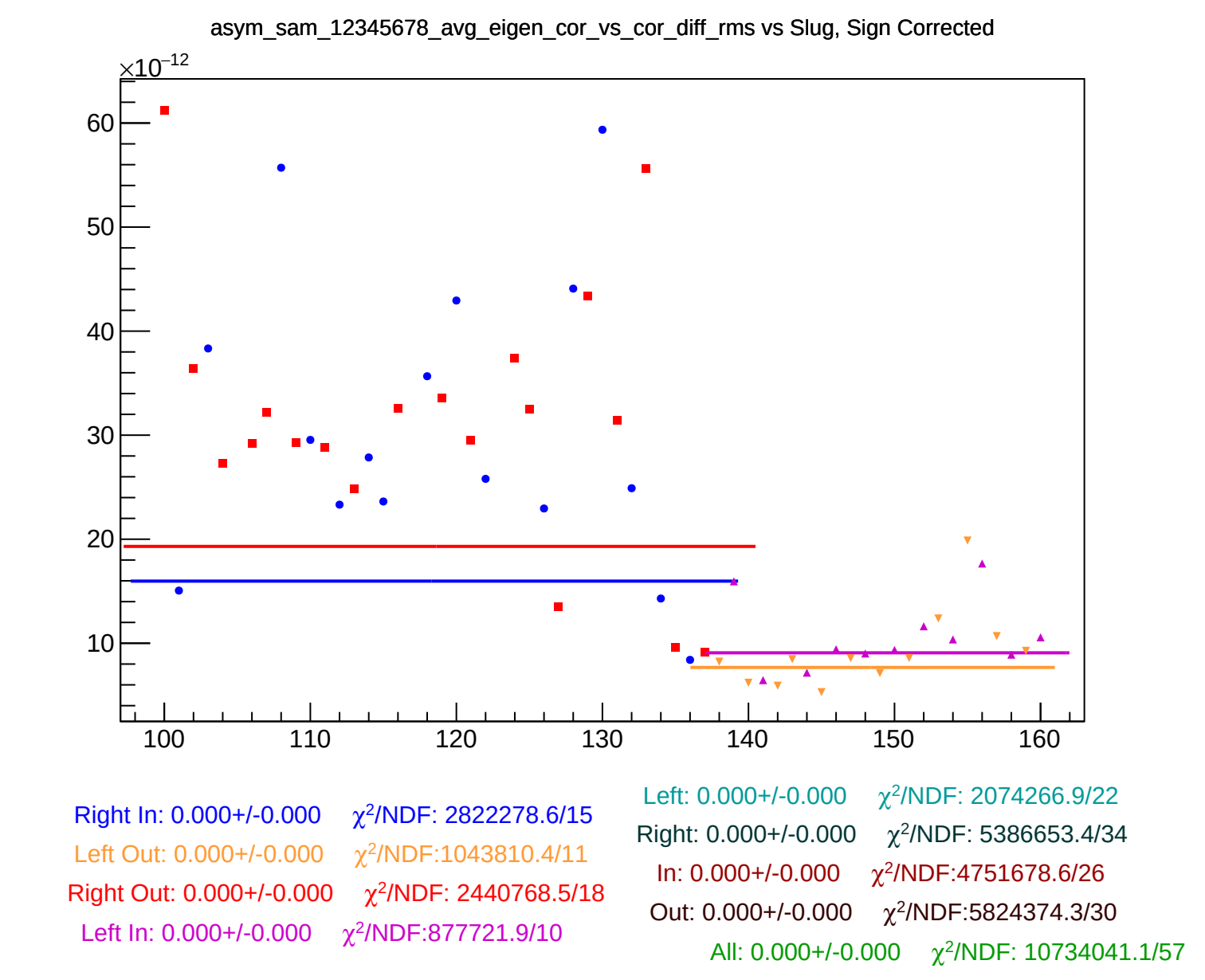
Left: -0.000+/-0.000 χ^2/NDF: 16.8/22

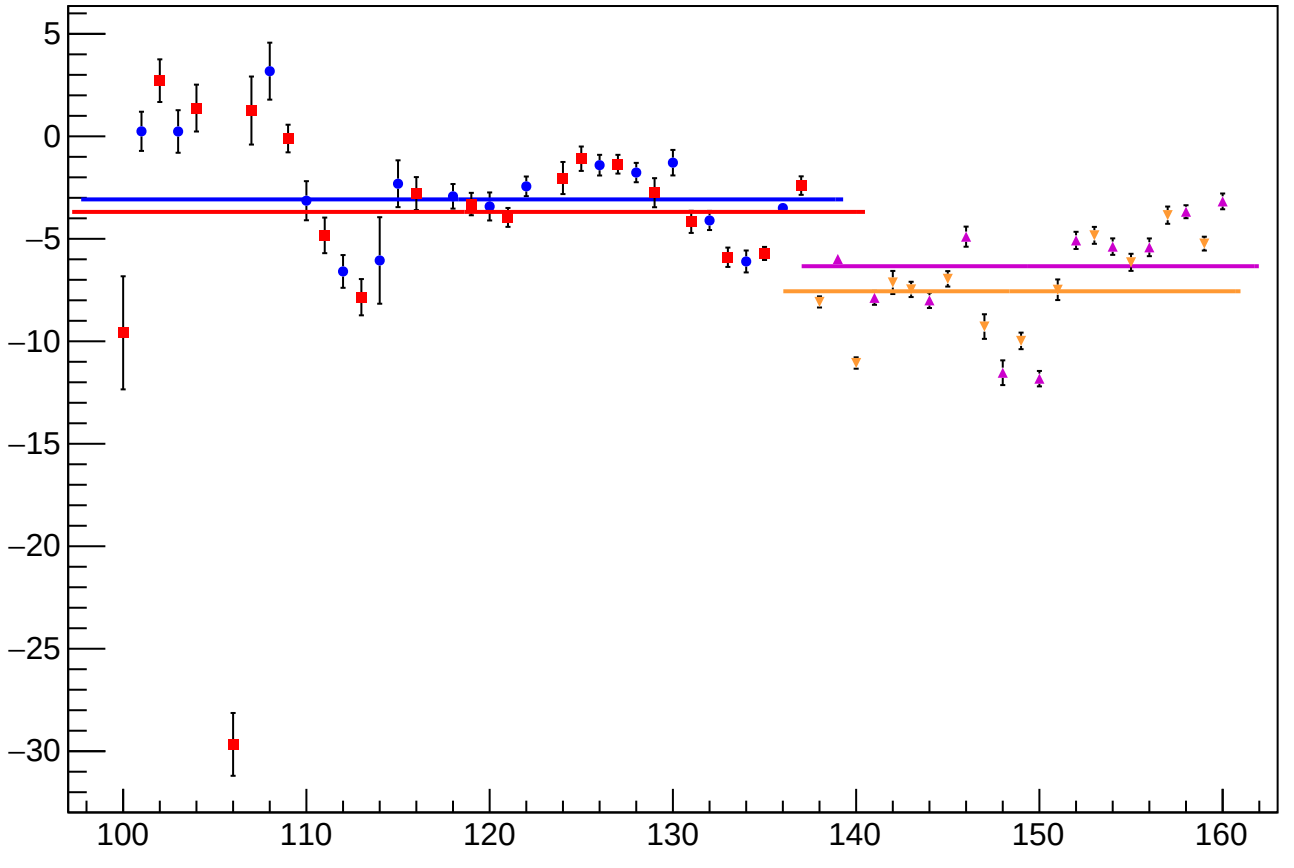
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:13.3/26

Out: -0.000+/-0.000 χ^2/NDF:32.7/30

All: -0.000+/-0.000 χ^2/NDF: 46.1/57


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1043810.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:877721.9/10
Left: 0.000+/-0.000 χ²/NDF: 2074266.9/22
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4751678.6/26
Out: 0.000+/-0.000 χ²/NDF:5824374.3/30
All: 0.000+/-0.000 χ²/NDF: 10734041.1/57



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: -6.337+/-0.111 χ^2/NDF:494.8/10

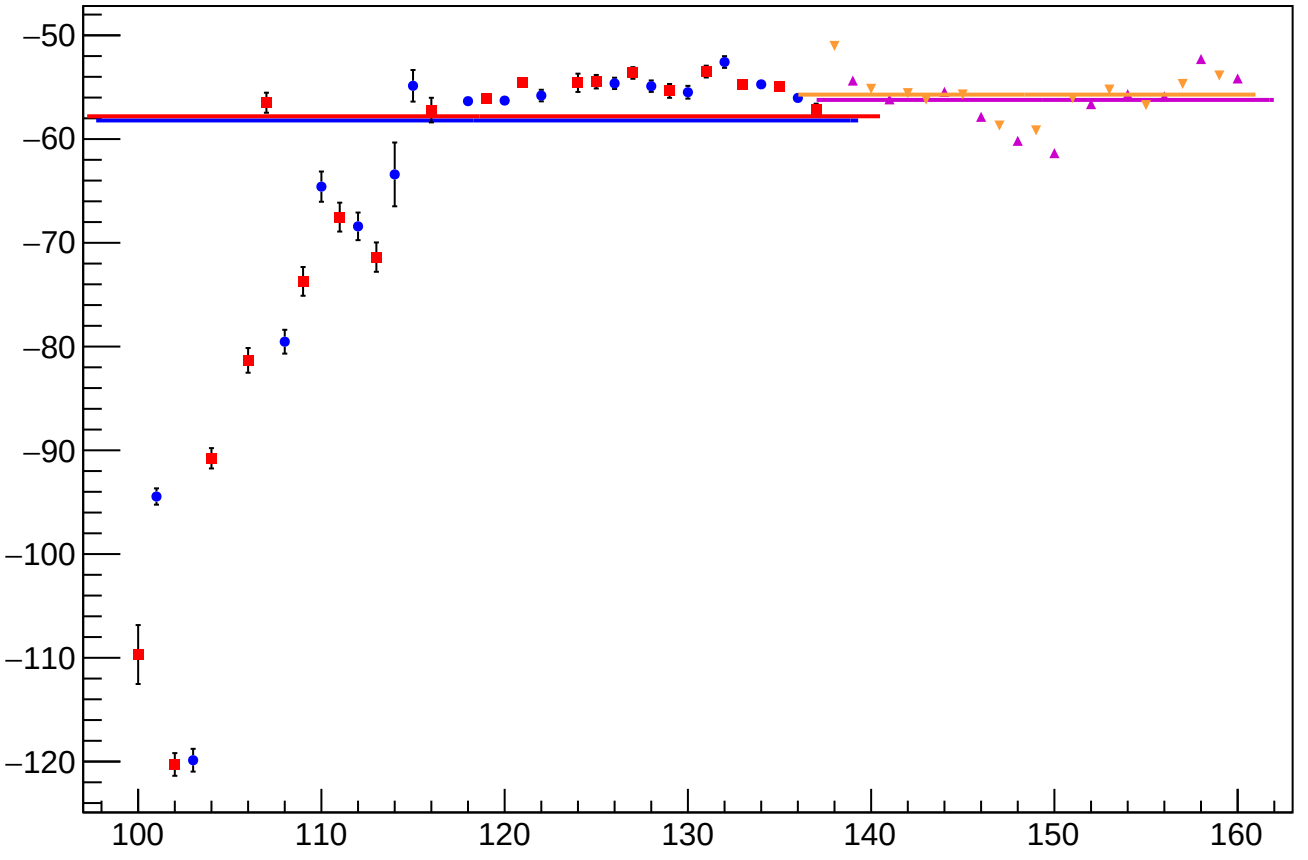
Left: -6.955+/-0.078 χ^2/NDF: 946.6/22

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.023+/-0.086 χ^2/NDF:975.6/26

Out: -6.086+/-0.086 χ^2/NDF:1397.9/30

All: -5.551+/-0.061 χ^2/NDF: 2449.6/57



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: -56.225+/-0.083 χ^2/NDF:1041.2/10

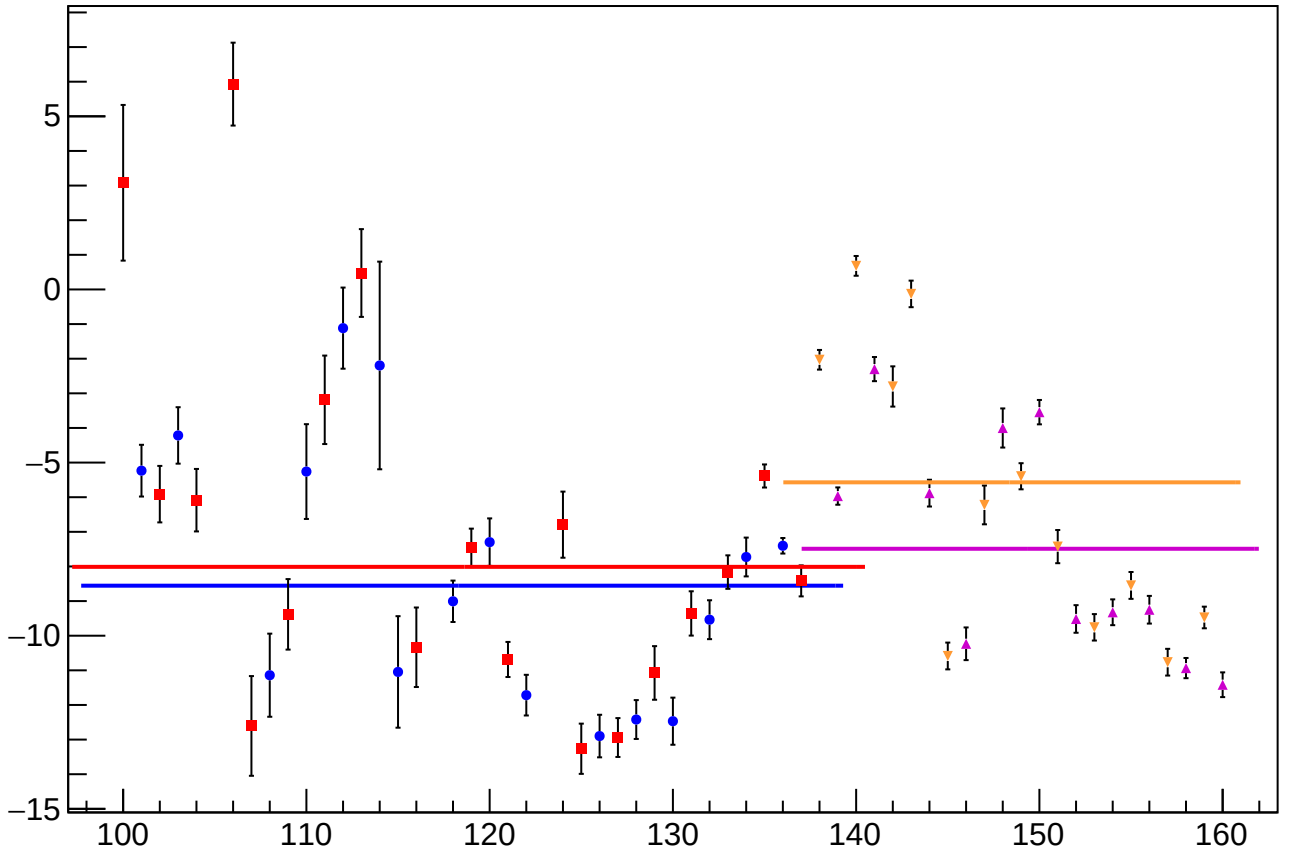
Left: -55.963+/-0.058 χ^2/NDF: 1675.4/22

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -56.764+/-0.071 χ^2/NDF:7323.3/26

Out: -56.245+/-0.070 χ^2/NDF:6577.3/30

All: -56.501+/-0.050 χ^2/NDF: 13927.8/57



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: -7.489+/-0.108 χ^2/NDF:802.8/10

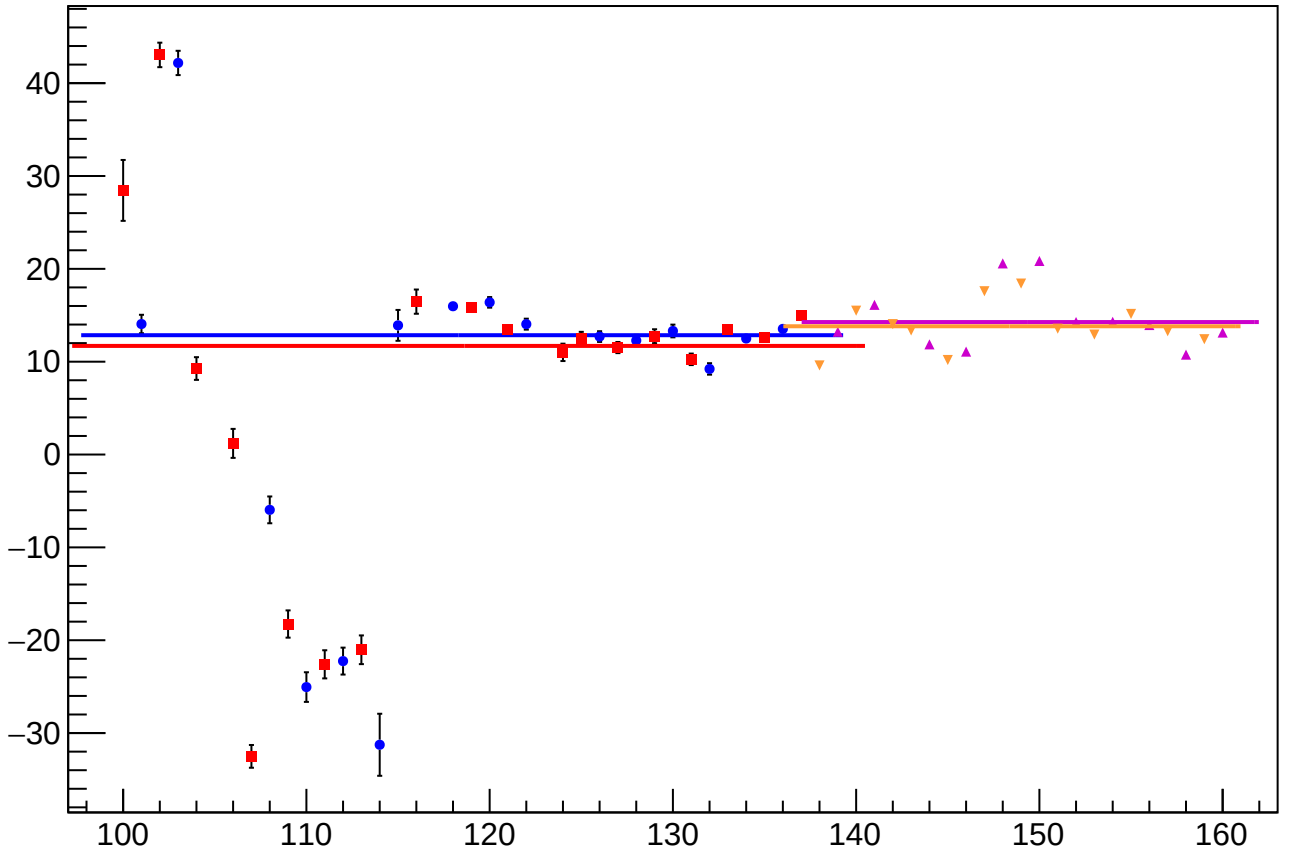
Left: -6.529+/-0.076 χ^2/NDF: 2520.7/22

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.870+/-0.087 χ^2/NDF:1138.4/26

Out: -6.380+/-0.088 χ^2/NDF:2219.2/30

All: -7.139+/-0.062 χ^2/NDF: 3503.2/57



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: 14.269+/-0.095 χ^2/NDF:1174.3/10

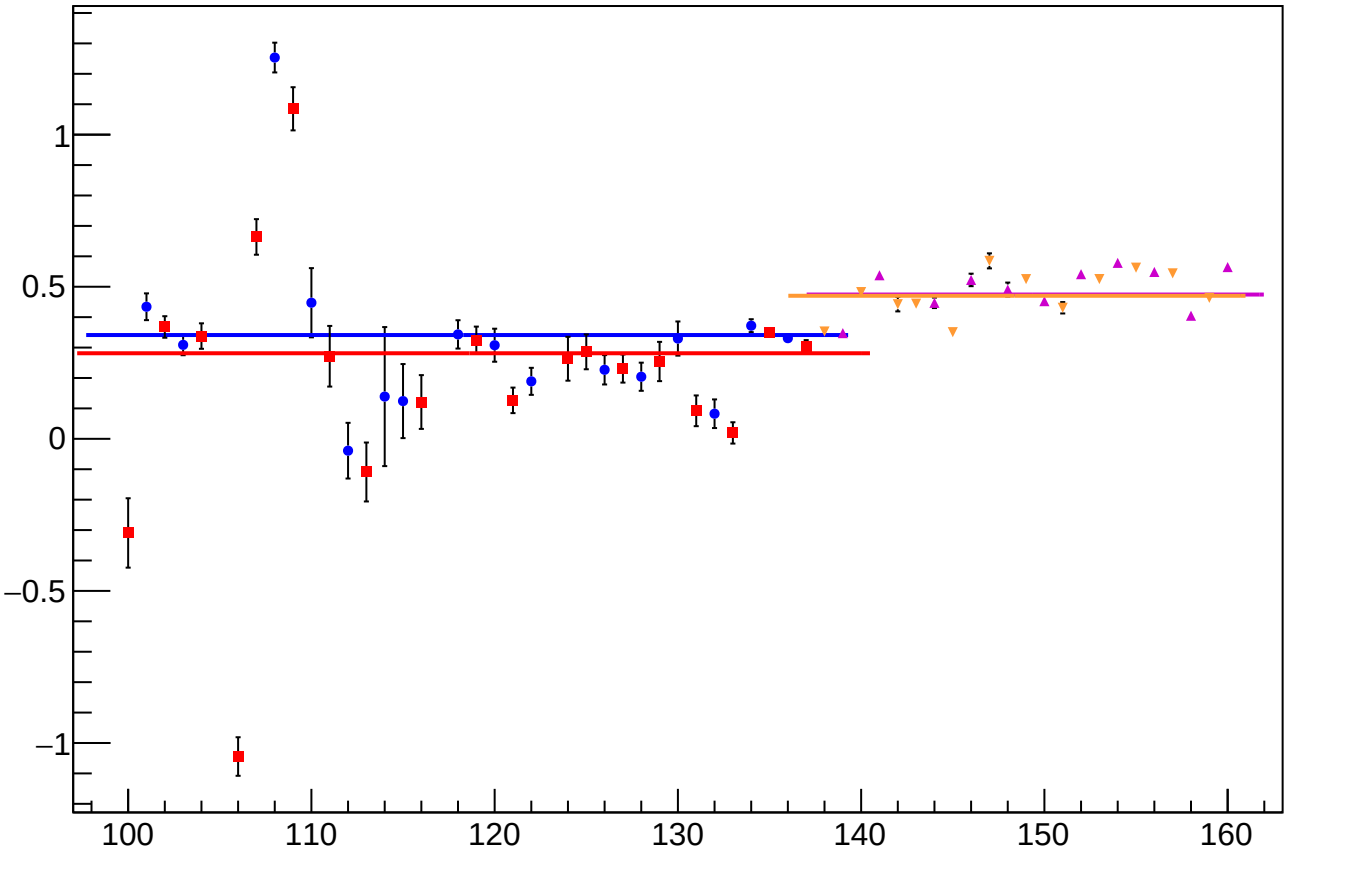
Left: 14.041+/-0.067 χ^2/NDF: 1852.3/22

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.868+/-0.080 χ^2/NDF:3366.3/26

Out: 13.247+/-0.080 χ^2/NDF:4301.5/30

All: 13.559+/-0.057 χ^2/NDF: 7697.7/57



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: 0.474+/-0.004 χ^2/NDF:455.1/10

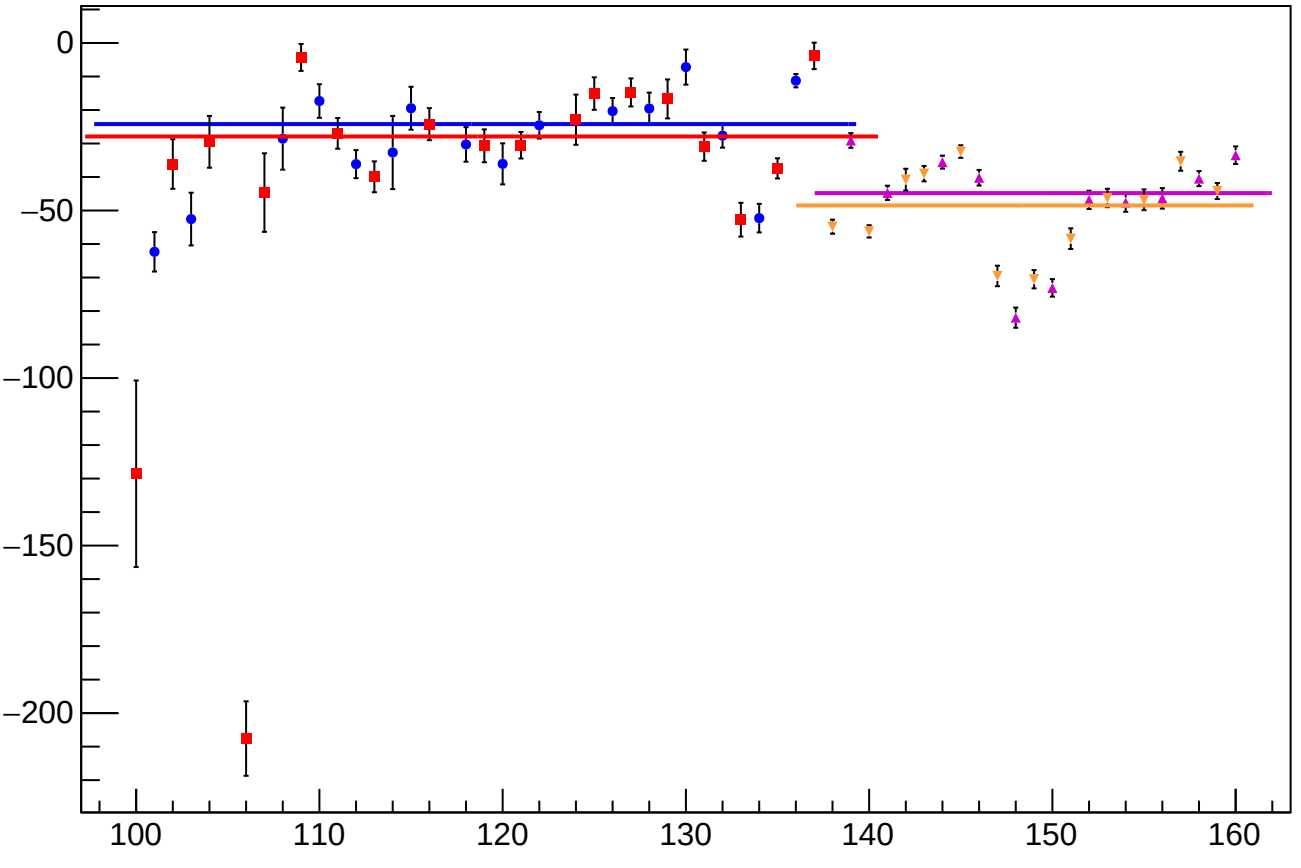
Left: 0.472+/-0.003 χ^2/NDF: 777.4/22

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.447+/-0.004 χ^2/NDF:1117.8/26

Out: 0.435+/-0.004 χ^2/NDF:1503.0/30

All: 0.441+/-0.003 χ^2/NDF: 2627.0/57



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: -44.801+/-0.736 χ^2/NDF:371.2/10

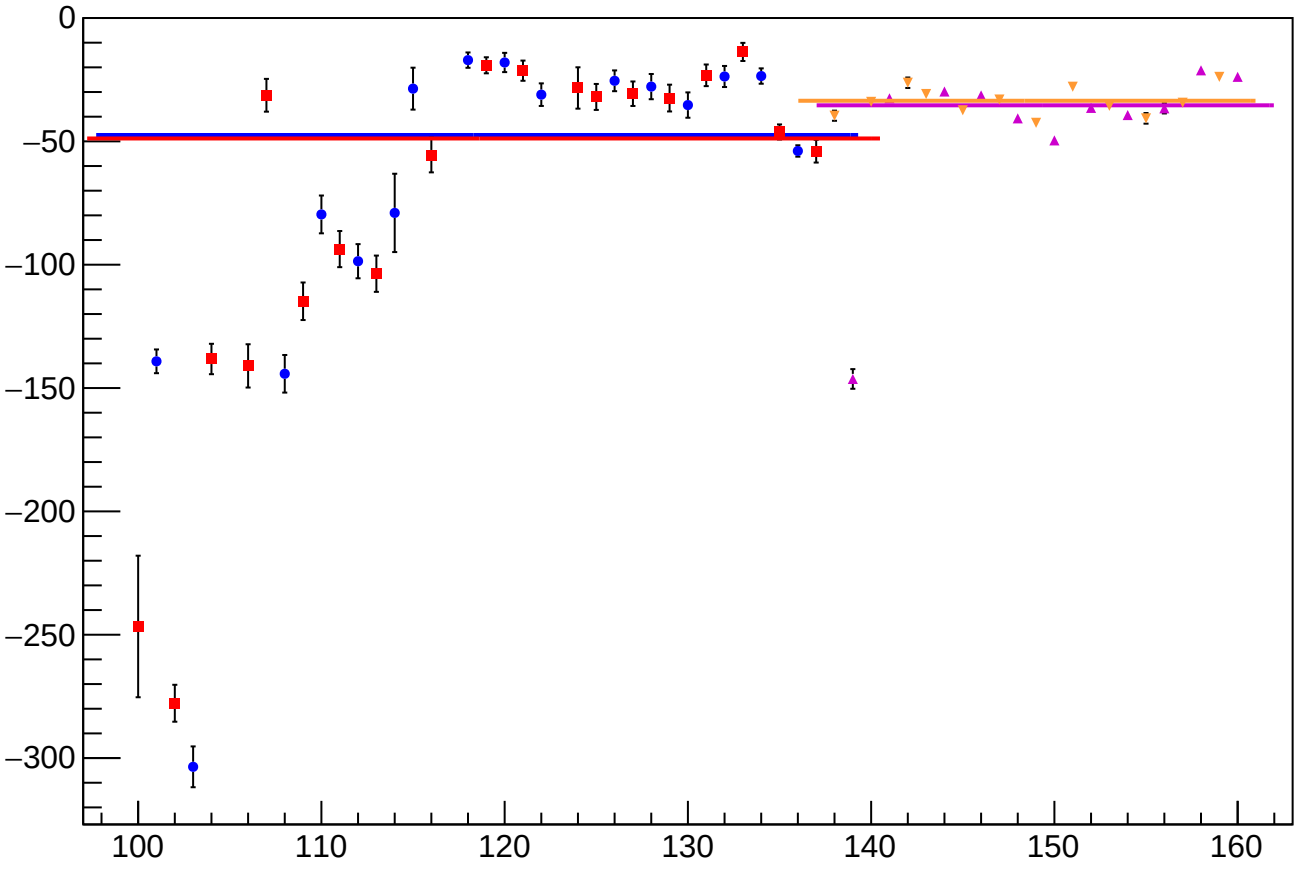
Left: -46.706+/-0.512 χ^2/NDF: 655.6/22

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -38.322+/-0.609 χ^2/NDF:788.3/26

Out: -42.690+/-0.604 χ^2/NDF:920.1/30

All: -40.527+/-0.429 χ^2/NDF: 1734.4/57



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: -35.389+/-0.507 χ^2/NDF:1017.4/10

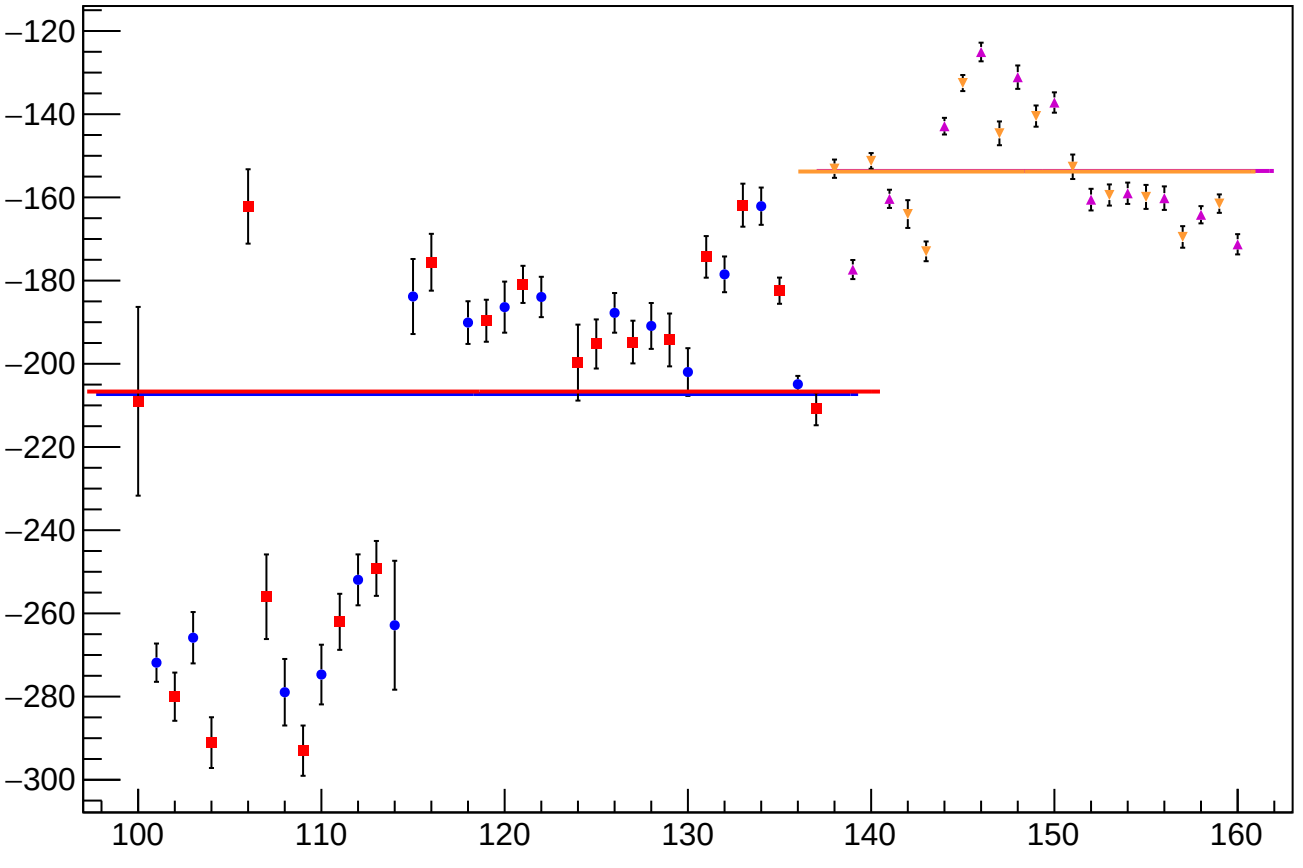
Left: -34.451+/-0.356 χ^2/NDF: 1140.0/22

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -37.496+/-0.461 χ^2/NDF:2989.4/26

Out: -35.857+/-0.460 χ^2/NDF:2032.5/30

All: -36.675+/-0.326 χ^2/NDF: 5028.1/57



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: -153.644+/-0.713 χ^2/NDF:512.1/10

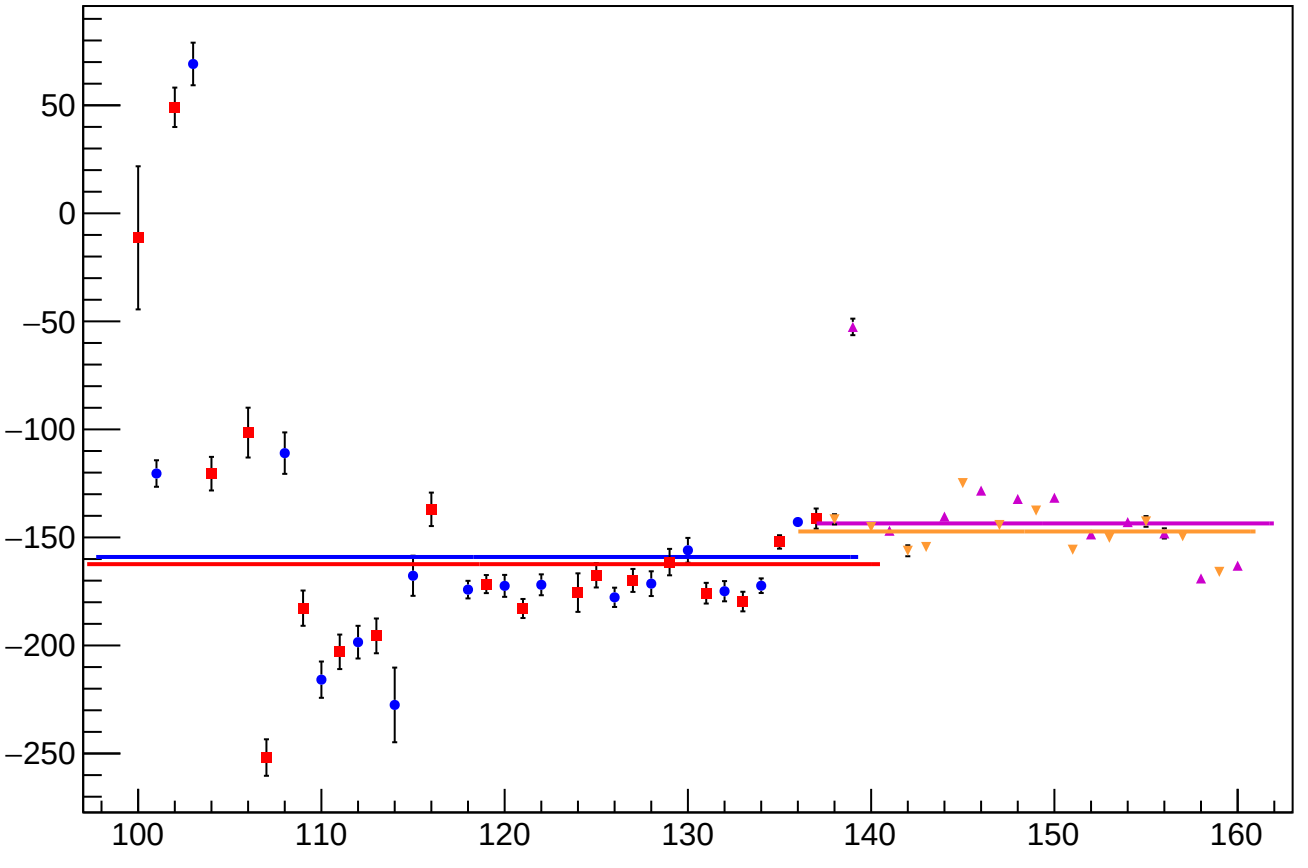
Left: -153.713+/-0.499 χ^2/NDF: 805.9/22

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -168.014+/-0.610 χ^2/NDF:2776.5/26

Out: -165.960+/-0.614 χ^2/NDF:2578.6/30

All: -166.994+/-0.433 χ^2/NDF: 5360.8/57



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -147.240+/-0.592 χ^2/NDF:361.3/11

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -143.516+/-0.594 χ^2/NDF:1087.3/10

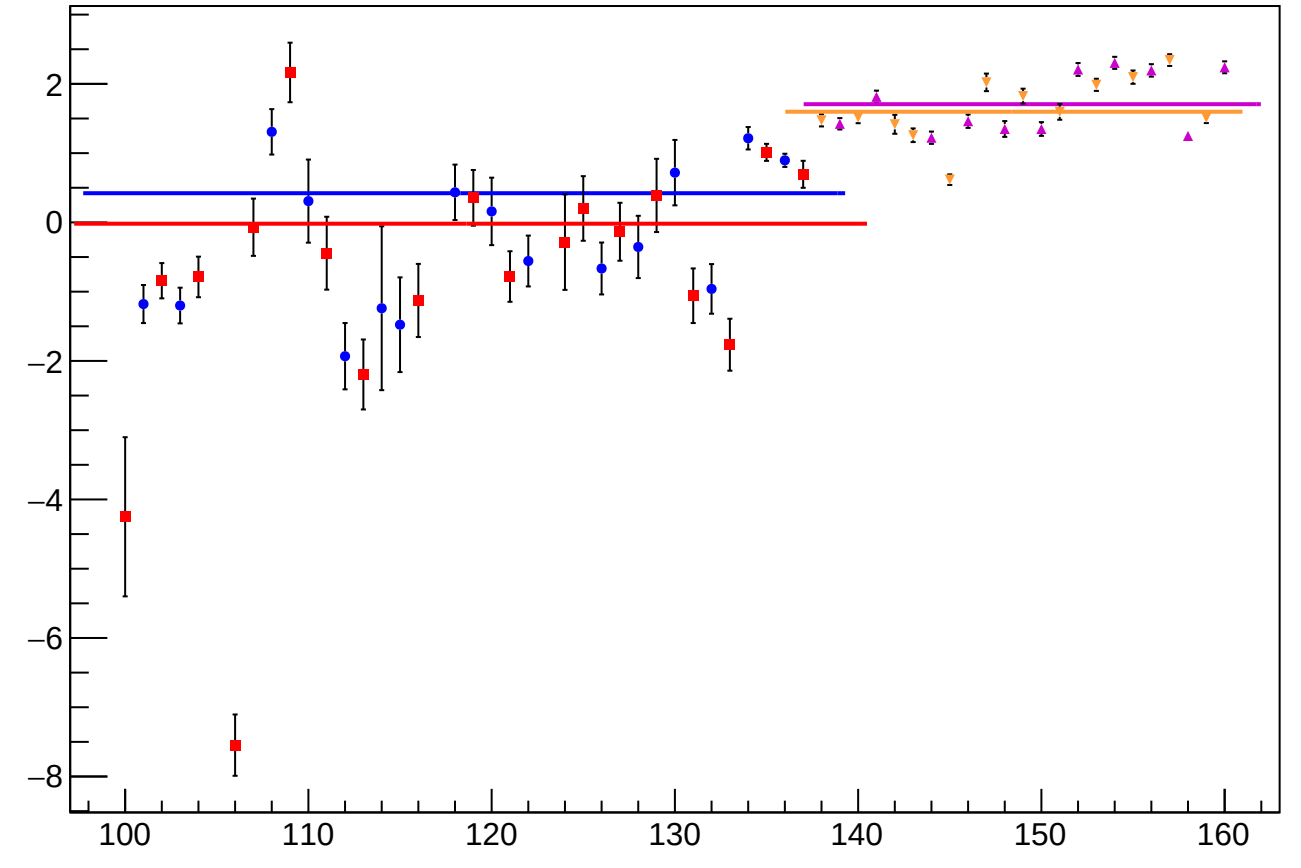
Left: -145.386+/-0.419 χ^2/NDF: 1468.3/22

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -146.473+/-0.535 χ^2/NDF:2033.1/26

Out: -149.758+/-0.540 χ^2/NDF:1342.7/30

All: -148.099+/-0.380 χ^2/NDF: 3394.5/57



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: 1.707+/-0.027 χ^2/NDF:256.3/10

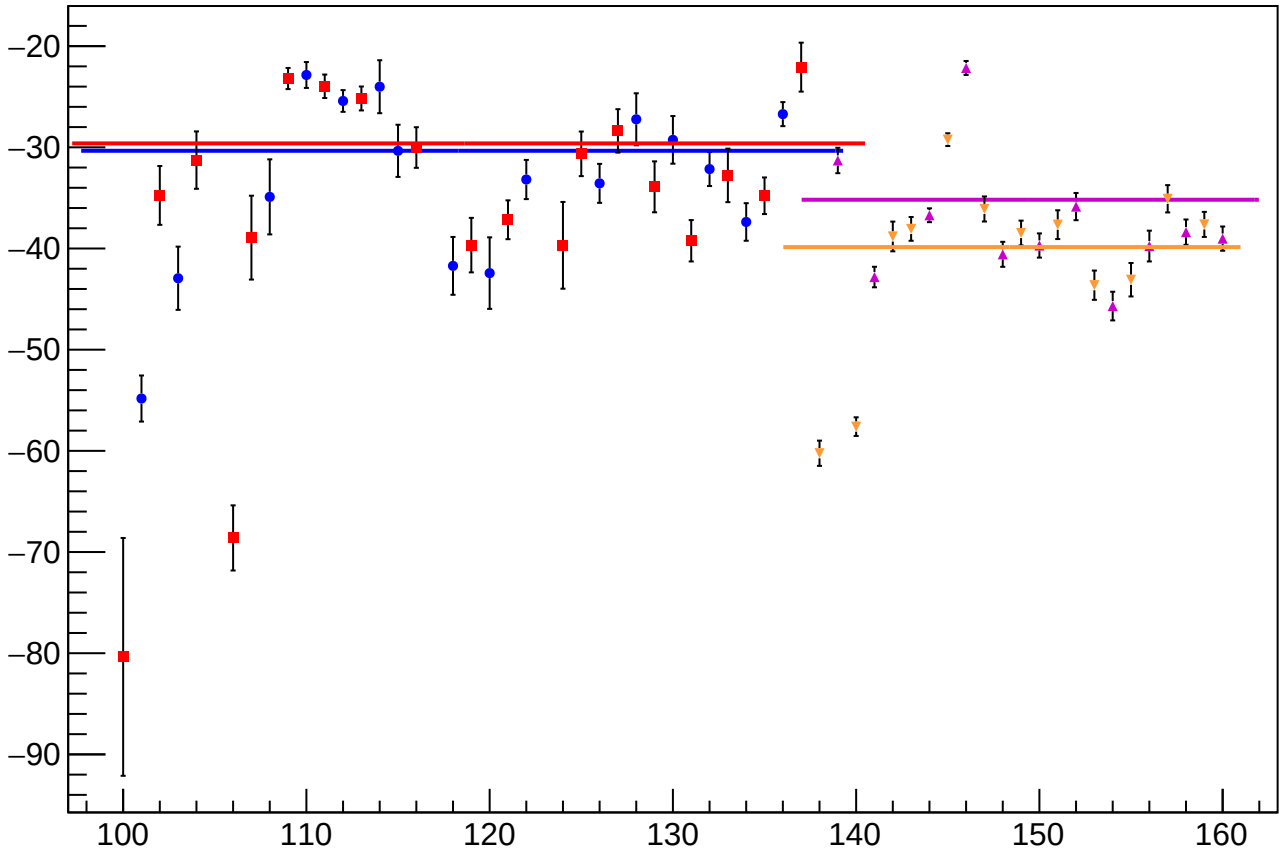
Left: 1.652+/-0.019 χ^2/NDF: 585.3/22

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.518+/-0.025 χ^2/NDF:789.4/26

Out: 1.400+/-0.025 χ^2/NDF:1247.6/30

All: 1.460+/-0.018 χ^2/NDF: 2048.1/57



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -39.861+/-0.327 χ^2/NDF:962.9/11

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -35.180+/-0.316 χ^2/NDF:540.7/10

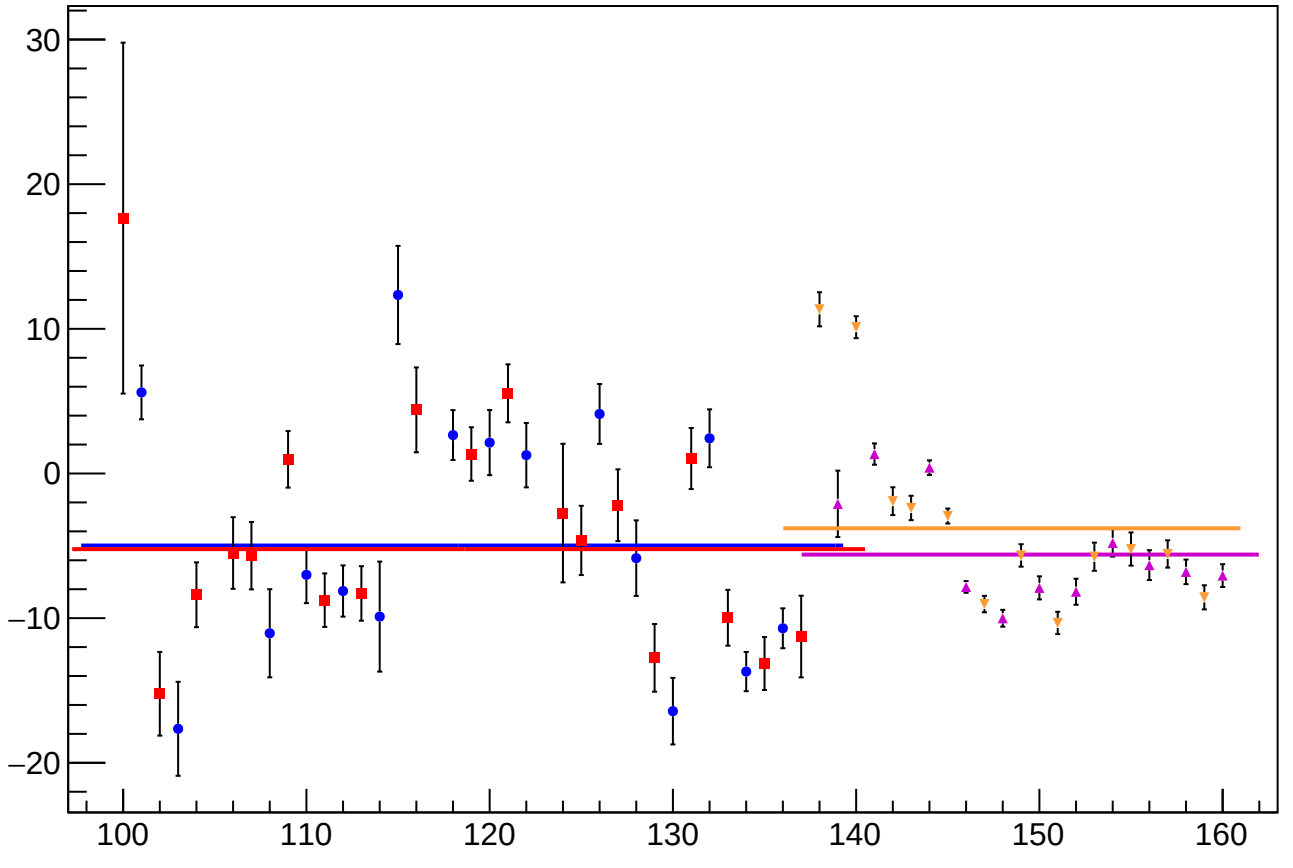
Left: -37.445+/-0.227 χ^2/NDF: 1609.6/22

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -33.663+/-0.262 χ^2/NDF:867.7/26

Out: -36.330+/-0.264 χ^2/NDF:1631.4/30

All: -34.984+/-0.186 χ^2/NDF: 2550.4/57



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: -5.605+/-0.209 χ^2/NDF:344.6/10

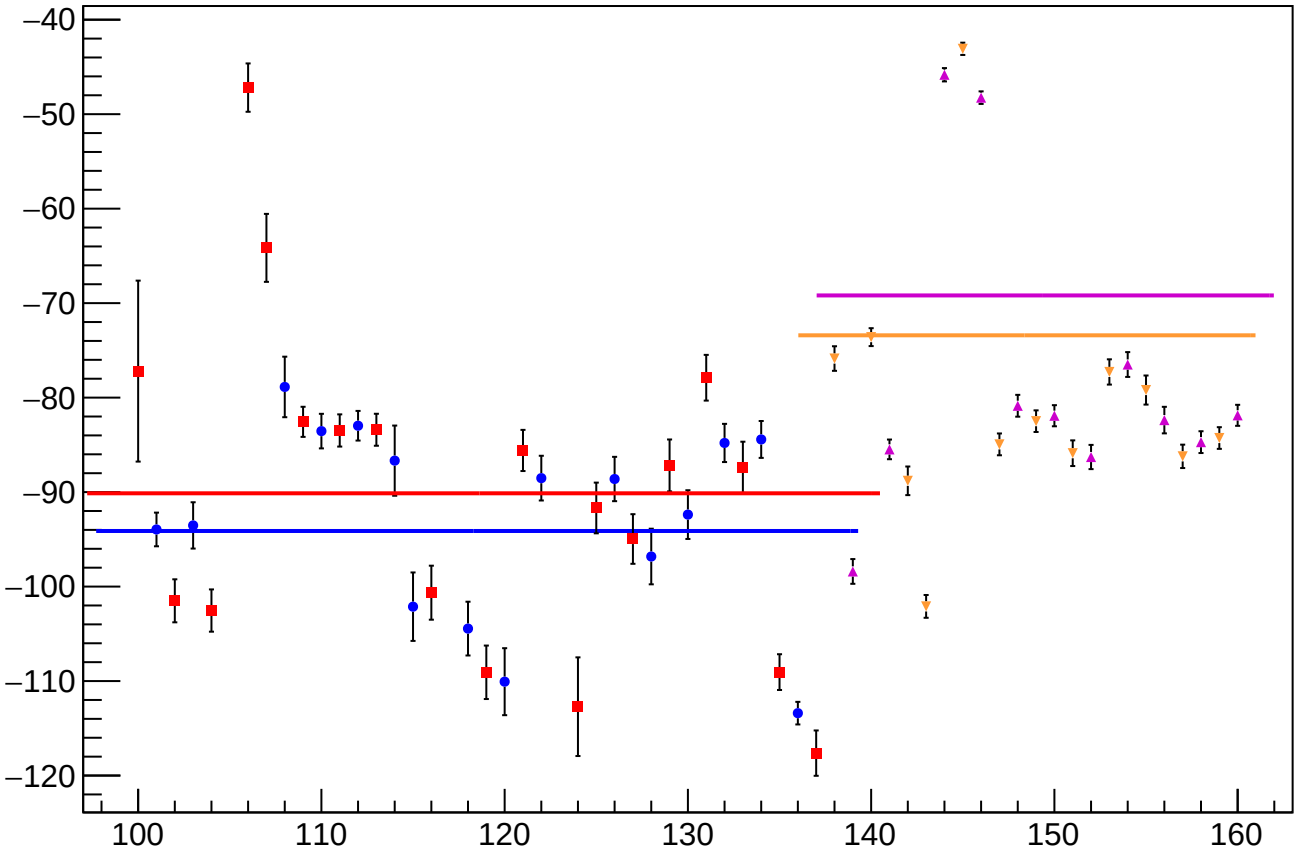
Left: -4.770+/-0.154 χ^2/NDF: 1095.9/22

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.515+/-0.193 χ^2/NDF:583.2/26

Out: -4.016+/-0.208 χ^2/NDF:859.4/30

All: -4.819+/-0.142 χ^2/NDF: 1470.5/57



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: -69.184+/-0.307 χ^2/NDF:3670.3/10

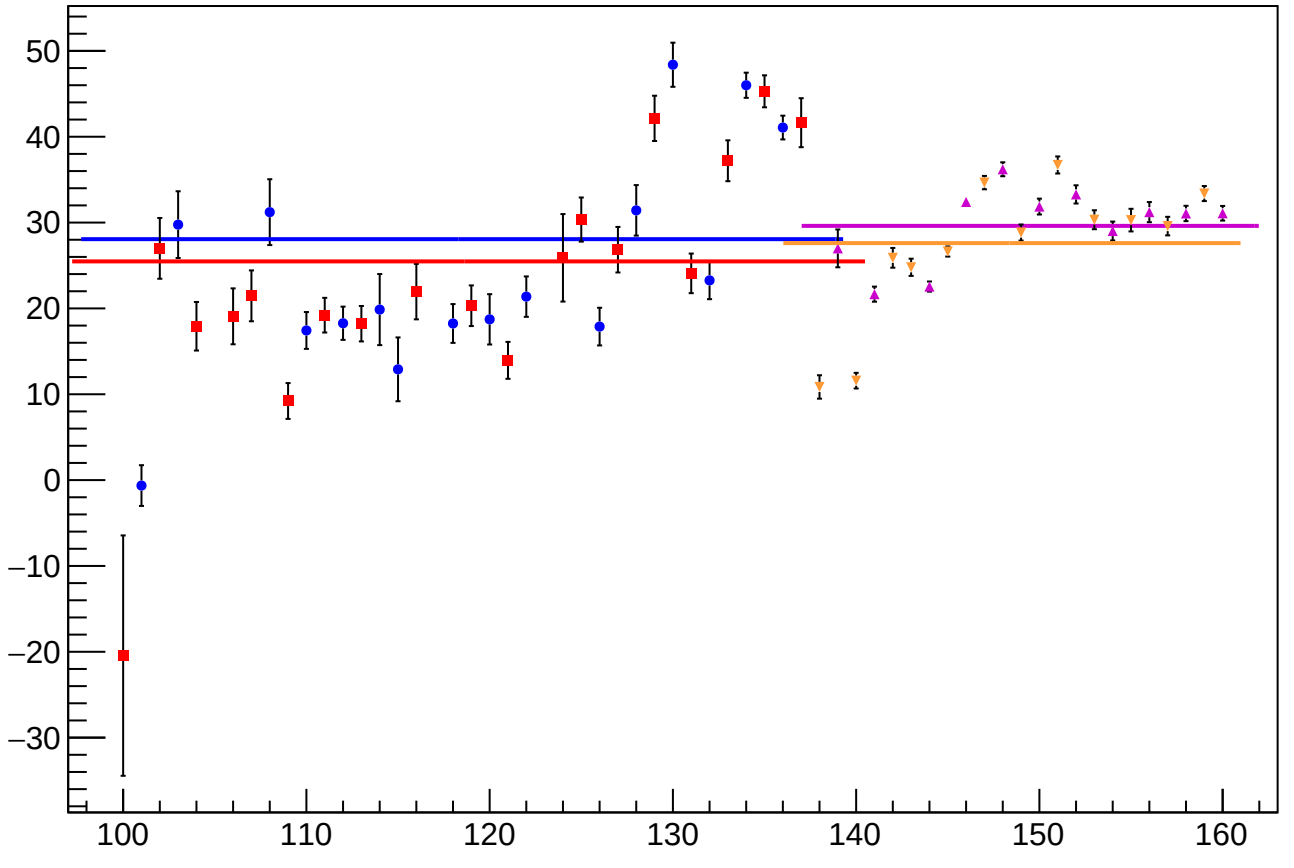
Left: -71.197+/-0.222 χ^2/NDF: 7072.7/22

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -75.338+/-0.267 χ^2/NDF:5760.3/26

Out: -77.757+/-0.277 χ^2/NDF:4803.5/30

All: -76.502+/-0.192 χ^2/NDF: 10603.4/57



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: 29.615+/-0.250 χ^2/NDF:348.0/10

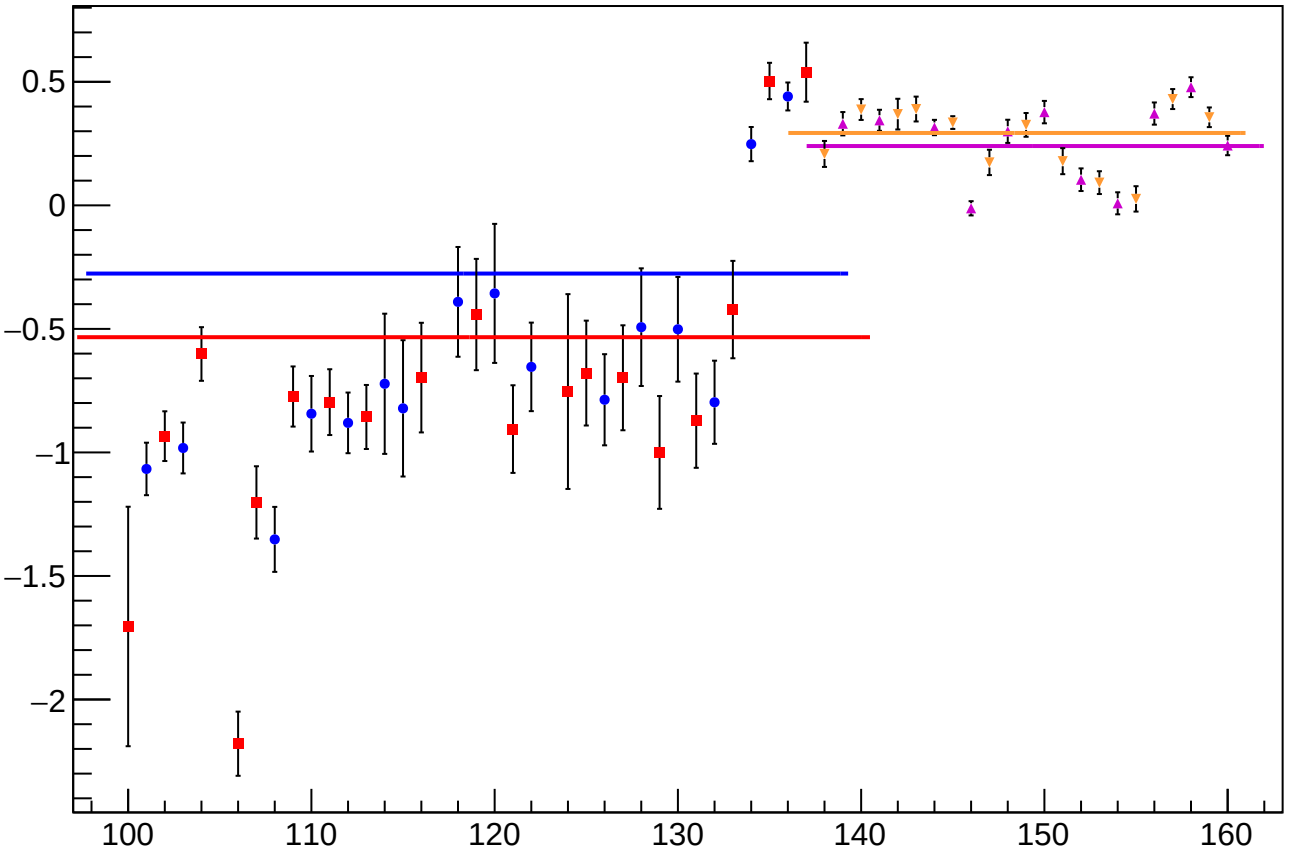
Left: 28.690+/-0.184 χ^2/NDF: 1074.1/22

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 29.364+/-0.229 χ^2/NDF:937.3/26

Out: 27.240+/-0.246 χ^2/NDF:1061.8/30

All: 28.377+/-0.168 χ^2/NDF: 2039.1/57



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+/-0.012 χ^2/NDF:182.2/10

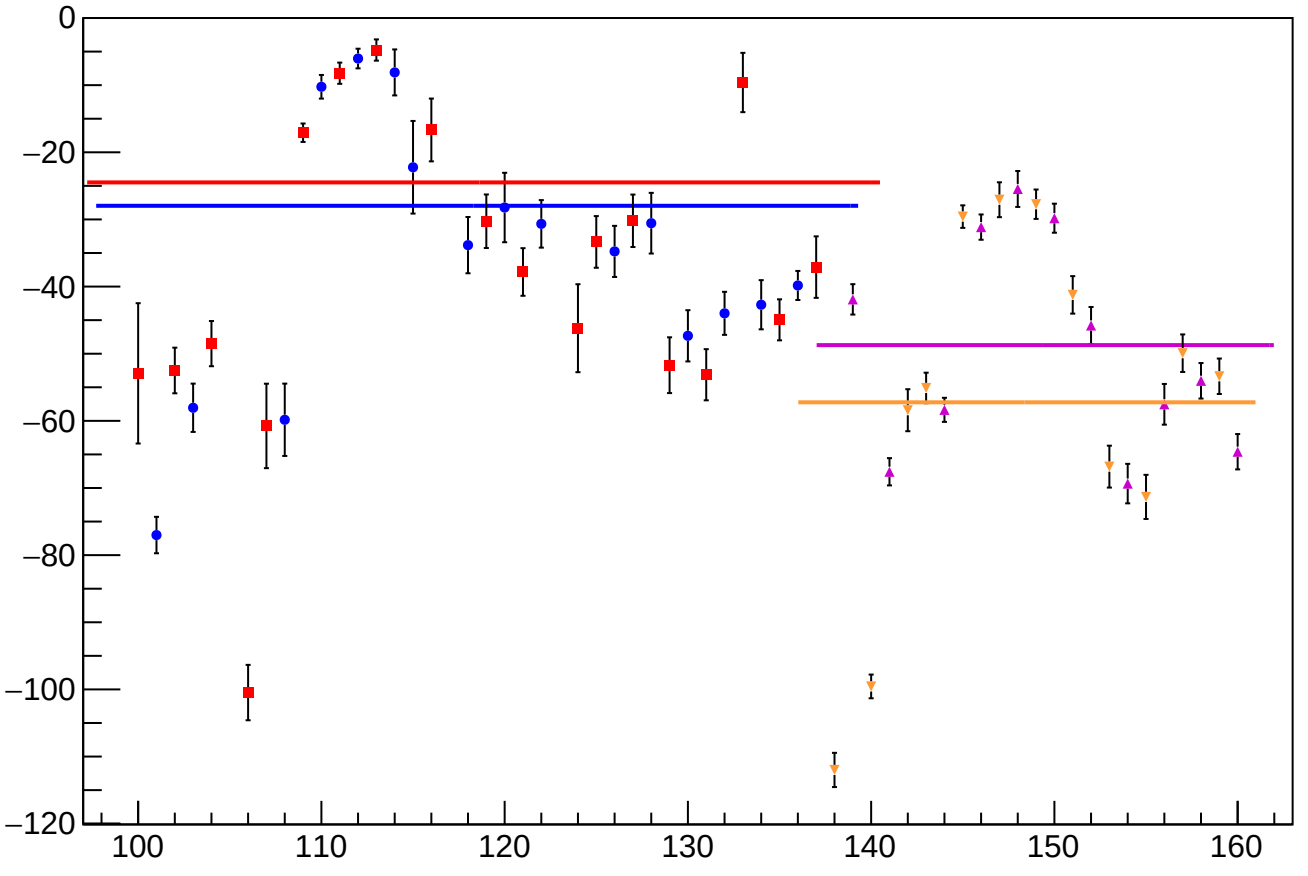
Left: 0.265+/-0.009 χ^2/NDF: 277.6/22

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.171+/-0.011 χ^2/NDF:883.7/26

Out: 0.188+/-0.012 χ^2/NDF:1149.0/30

All: 0.179+/-0.008 χ^2/NDF: 2033.7/57



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: -48.719+/-0.702 χ^2/NDF:462.4/10

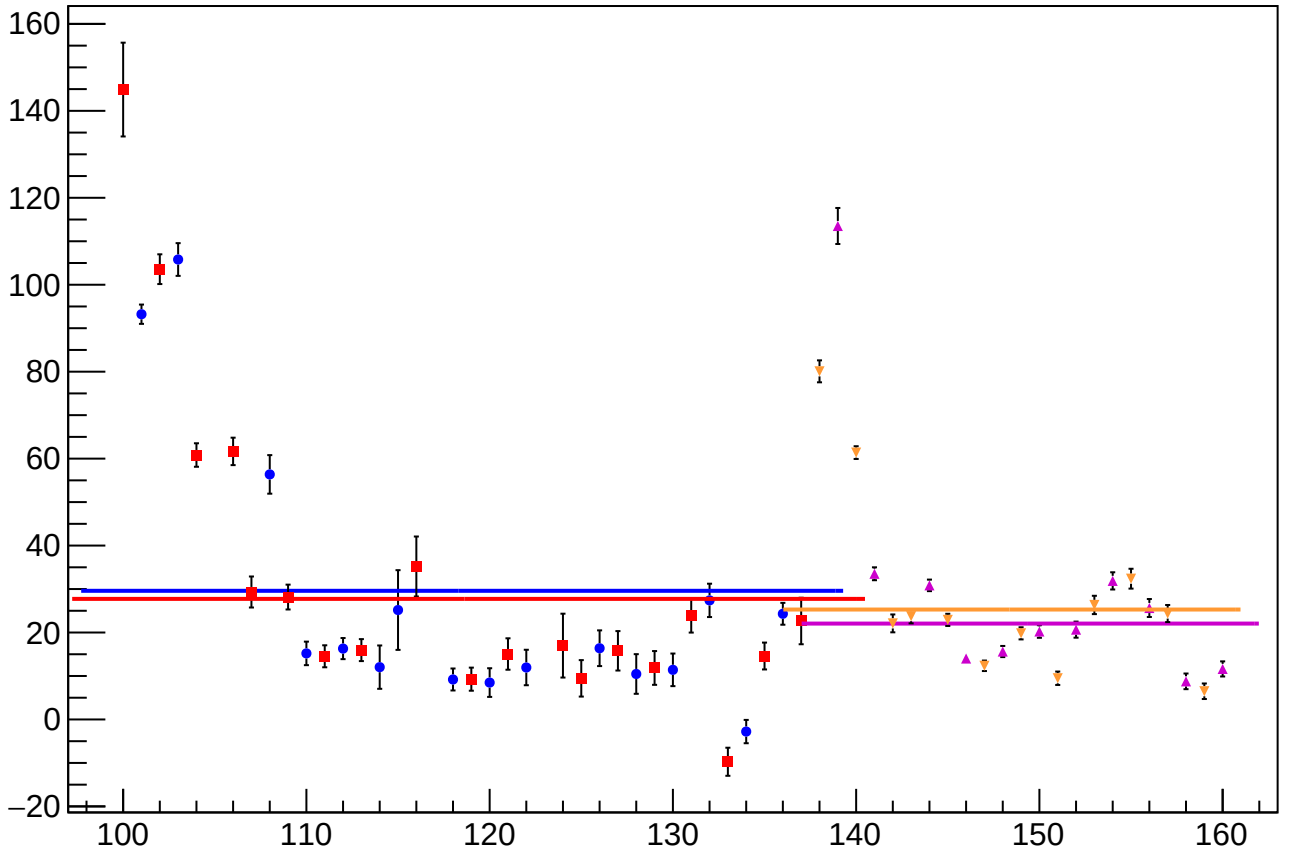
Left: -53.030+/-0.494 χ^2/NDF: 2231.2/22

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -38.710+/-0.505 χ^2/NDF:1778.2/26

Out: -40.112+/-0.479 χ^2/NDF:3848.9/30

All: -39.448+/-0.348 χ^2/NDF: 5631.2/57



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: 22.055+/-0.480 χ^2/NDF:785.5/10

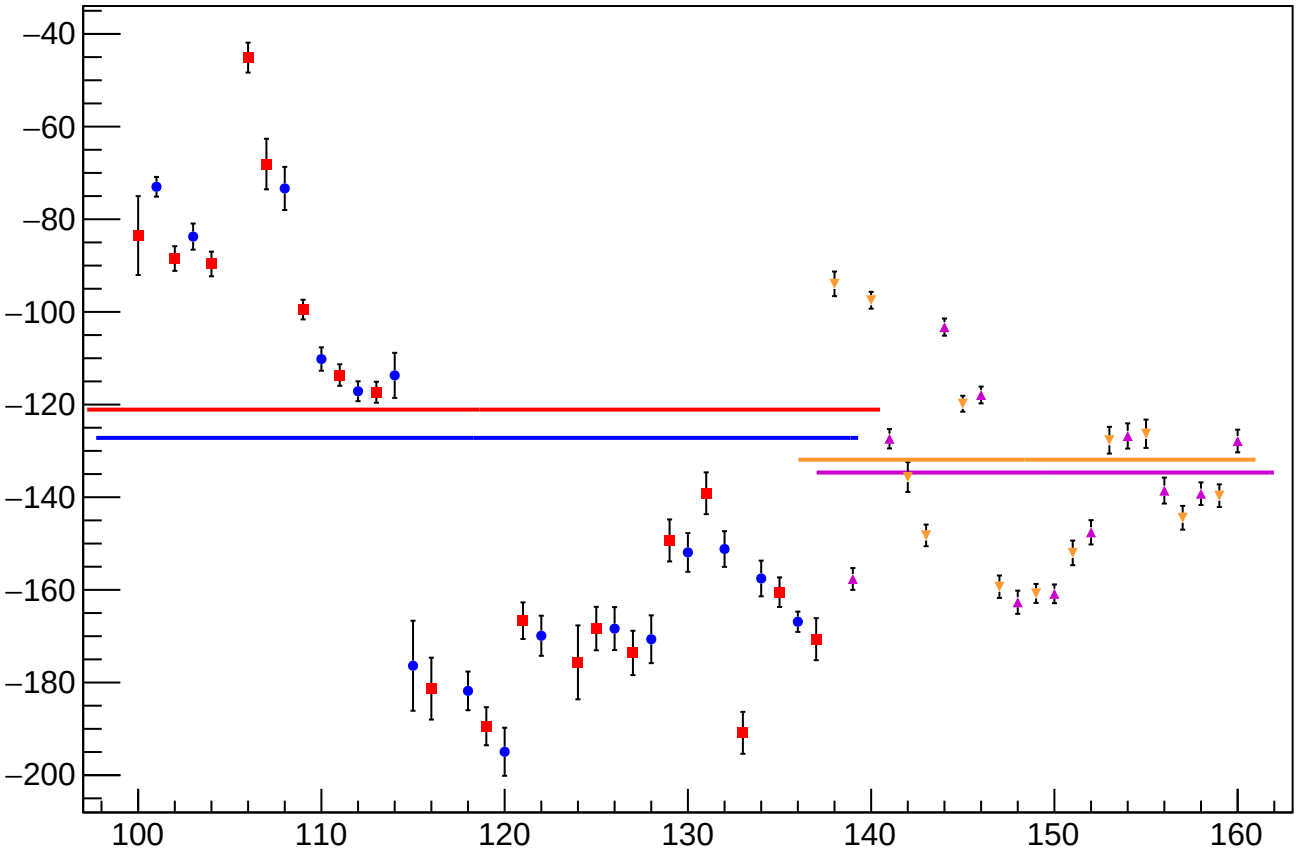
Left: 23.671+/-0.339 χ^2/NDF: 2246.7/22

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 24.023+/-0.412 χ^2/NDF:2515.6/26

Out: 25.938+/-0.411 χ^2/NDF:2630.6/30

All: 24.983+/-0.291 χ^2/NDF: 5157.1/57



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: -134.672+/-0.681 χ^2/NDF:819.8/10

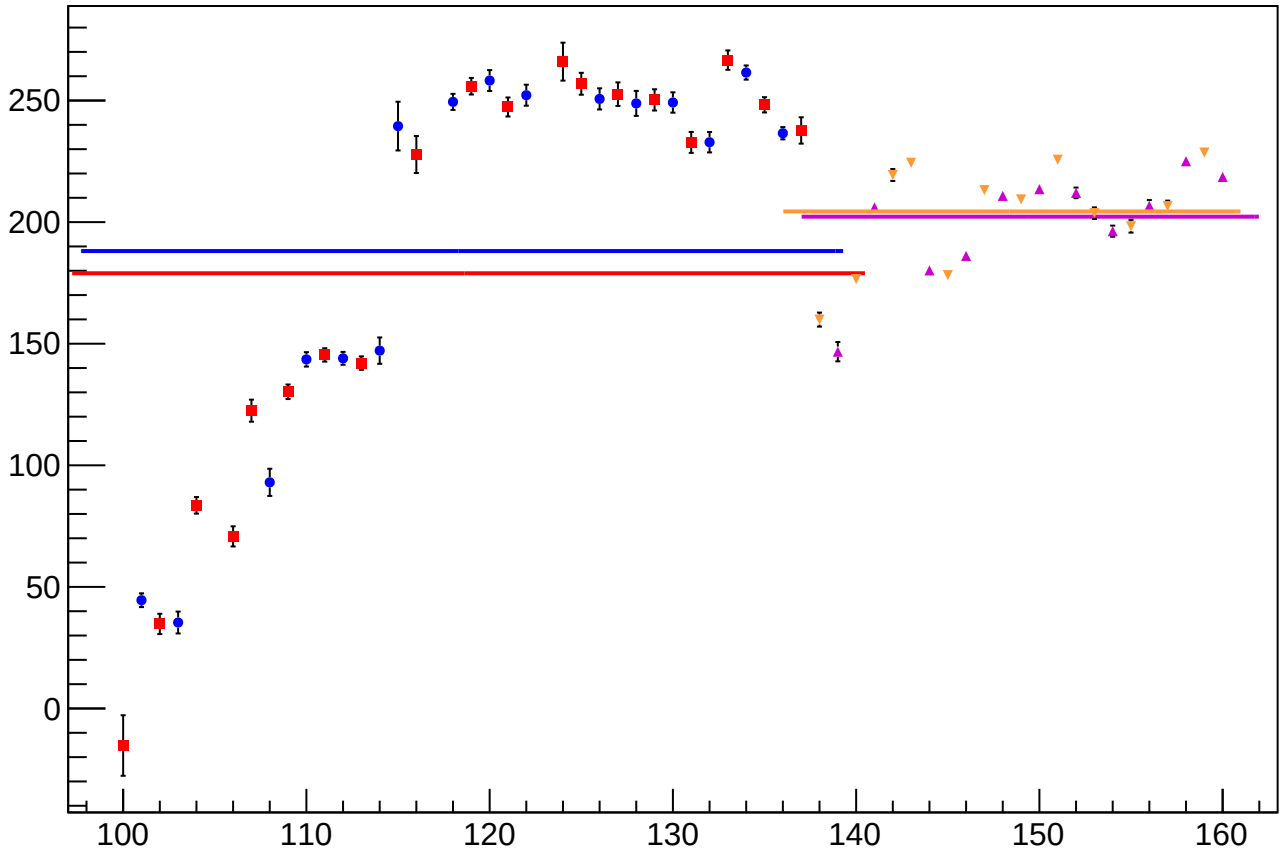
Left: -133.285+/-0.482 χ^2/NDF: 1914.0/22

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.658+/-0.526 χ^2/NDF:3046.6/26

Out: -127.343+/-0.518 χ^2/NDF:3589.5/30

All: -129.465+/-0.369 χ^2/NDF: 6670.2/57



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: 202.241+/-0.567 χ^2/NDF:850.6/10

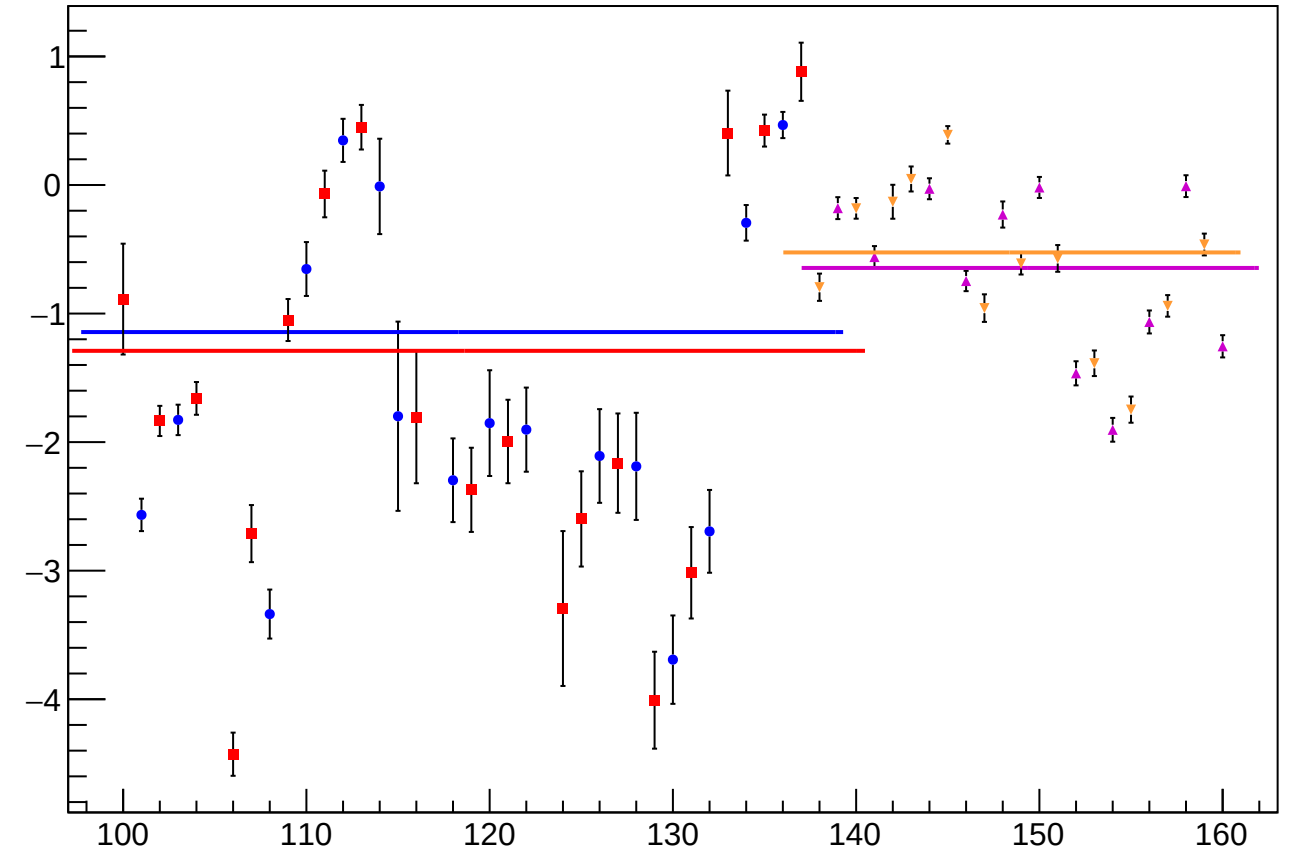
Left: 203.304+/-0.403 χ^2/NDF: 2081.7/22

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 198.342+/-0.482 χ^2/NDF:8140.9/26

Out: 197.154+/-0.484 χ^2/NDF:8453.2/30

All: 197.751+/-0.342 χ^2/NDF: 16597.2/57



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: -0.645+/-0.026 χ^2/NDF:554.0/10

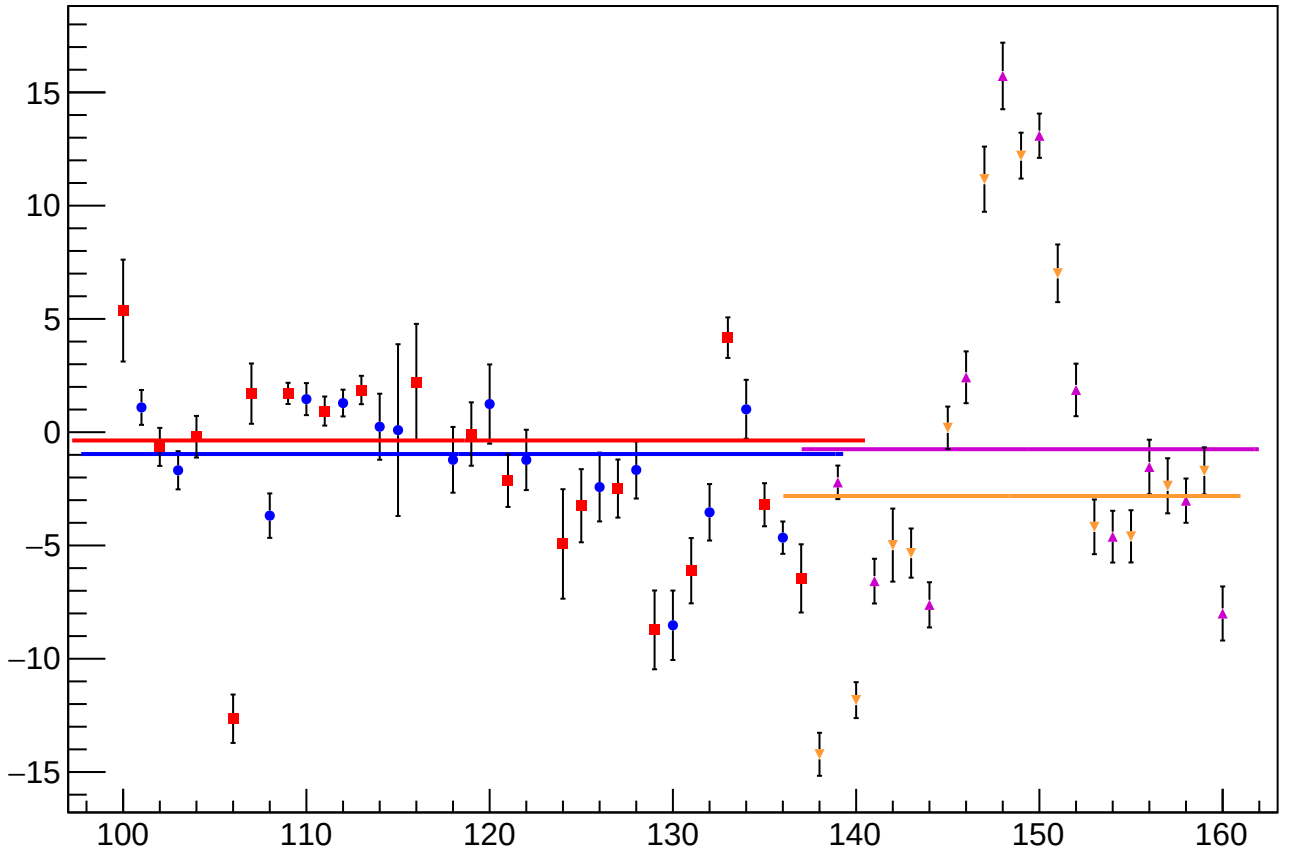
Left: -0.586+/-0.019 χ^2/NDF: 1074.3/22

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.759+/-0.023 χ^2/NDF:1424.6/26

Out: -0.707+/-0.023 χ^2/NDF:1706.1/30

All: -0.734+/-0.016 χ^2/NDF: 3133.3/57



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: -0.751+/-0.315 χ^2/NDF:479.6/10

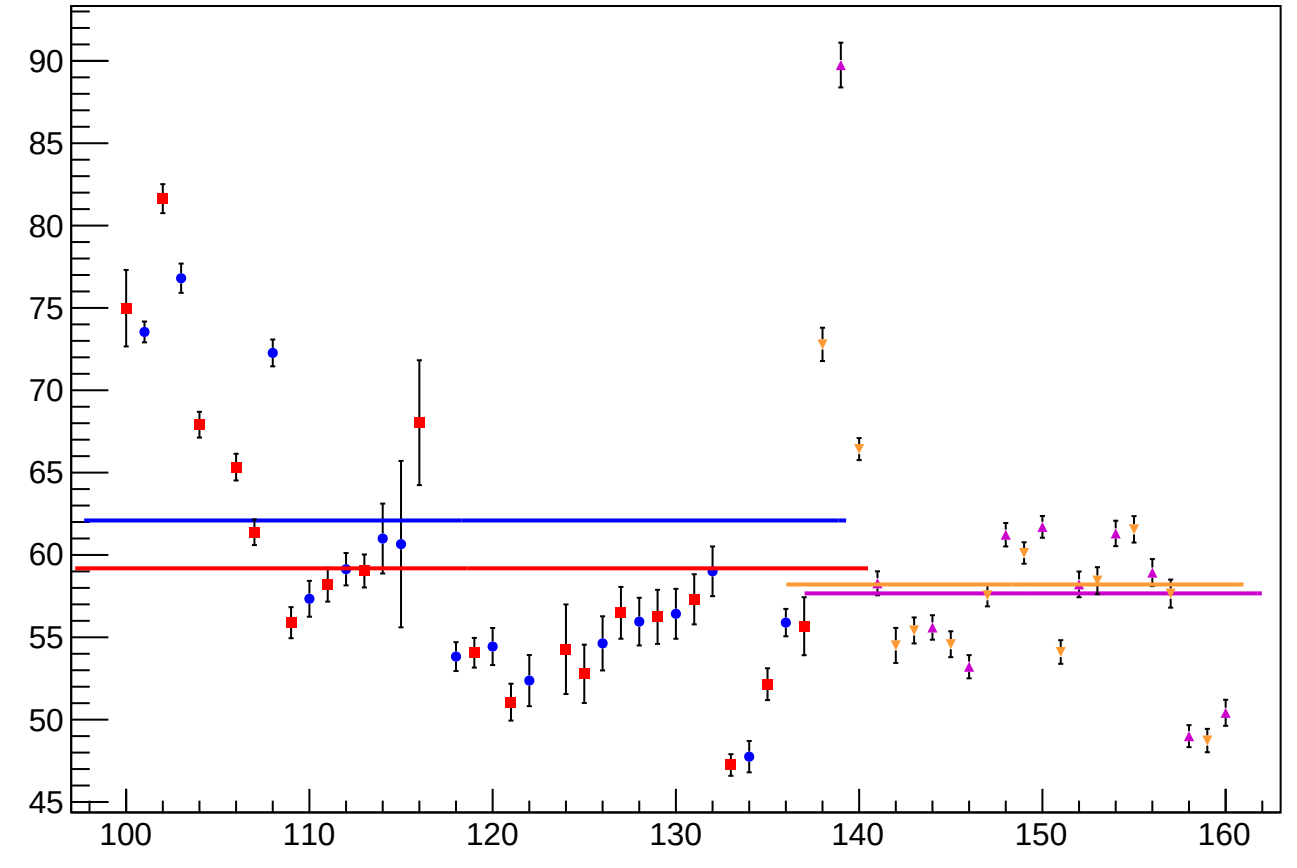
Left: -1.790+/-0.222 χ^2/NDF: 1171.1/22

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.881+/-0.197 χ^2/NDF:583.1/26

Out: -1.193+/-0.182 χ^2/NDF:991.0/30

All: -1.050+/-0.134 χ^2/NDF: 1575.5/57



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: 57.667+/-0.228 χ^2/NDF:945.2/10

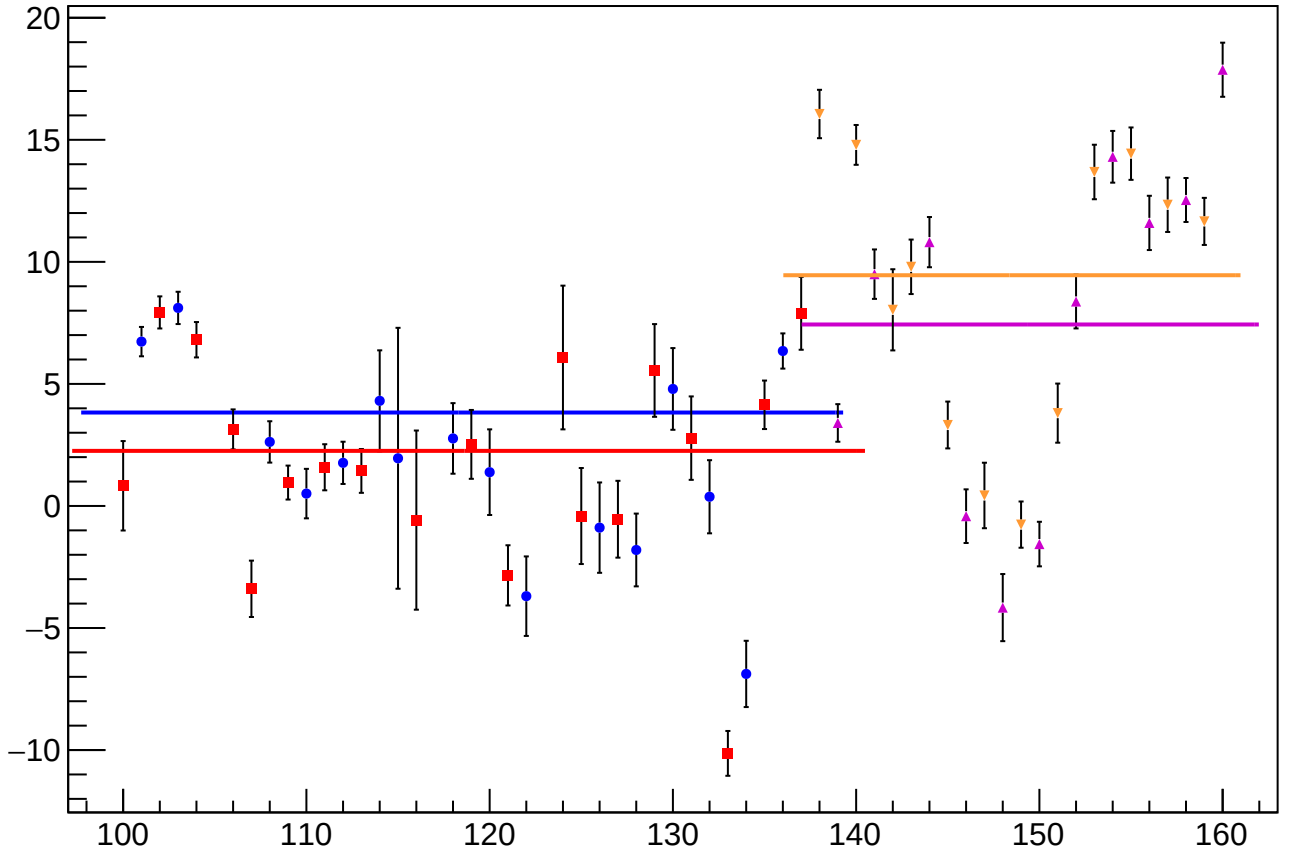
Left: 57.945+/-0.159 χ^2/NDF: 1590.6/22

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.551+/-0.173 χ^2/NDF:2406.3/26

Out: 58.653+/-0.164 χ^2/NDF:2053.4/30

All: 59.079+/-0.119 χ^2/NDF: 4473.9/57



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: 7.434+/-0.305 χ^2/NDF:439.2/10

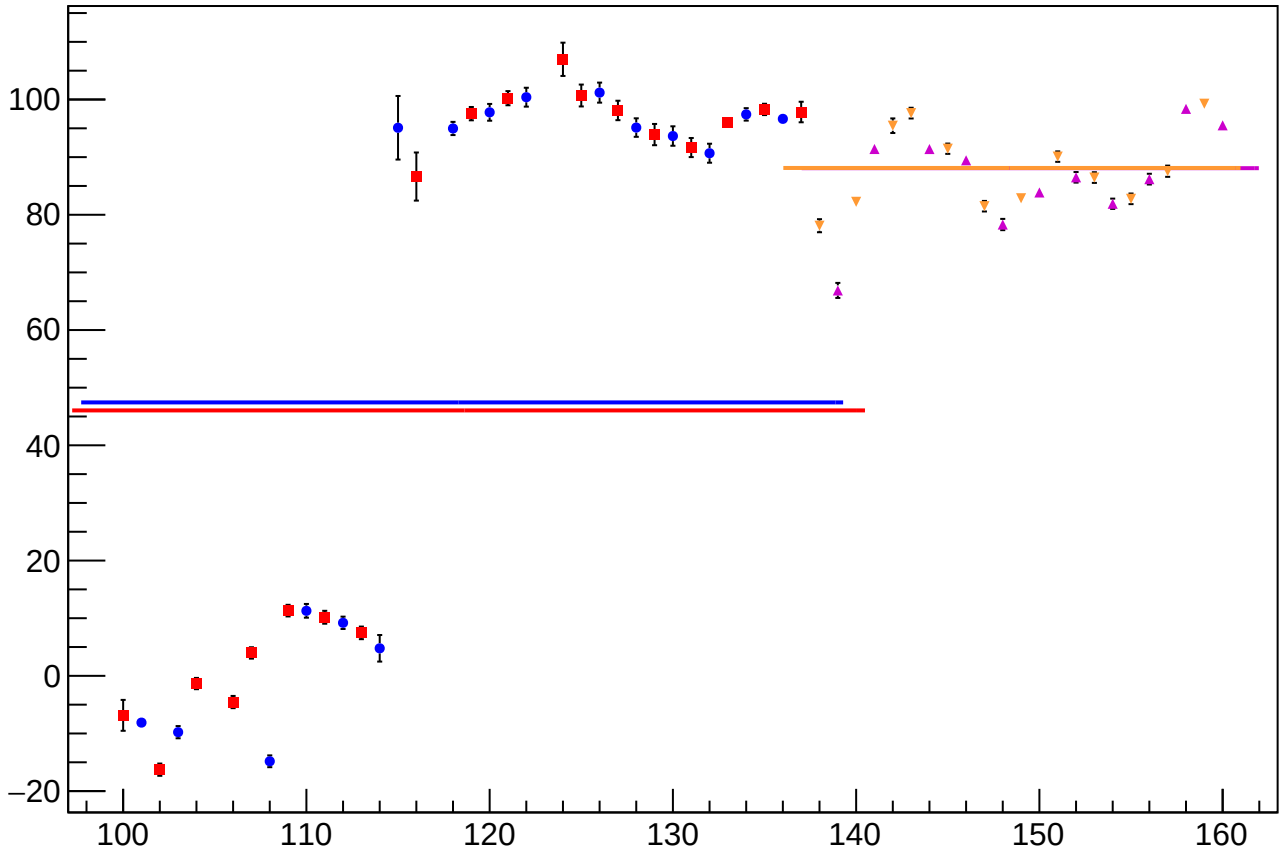
Left: 8.441+/-0.216 χ^2/NDF: 821.1/22

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 5.380+/-0.200 χ^2/NDF:727.3/26

Out: 5.087+/-0.192 χ^2/NDF:1067.4/30

All: 5.227+/-0.139 χ^2/NDF: 1795.8/57



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: 88.084+/-0.264 χ^2/NDF:772.5/10

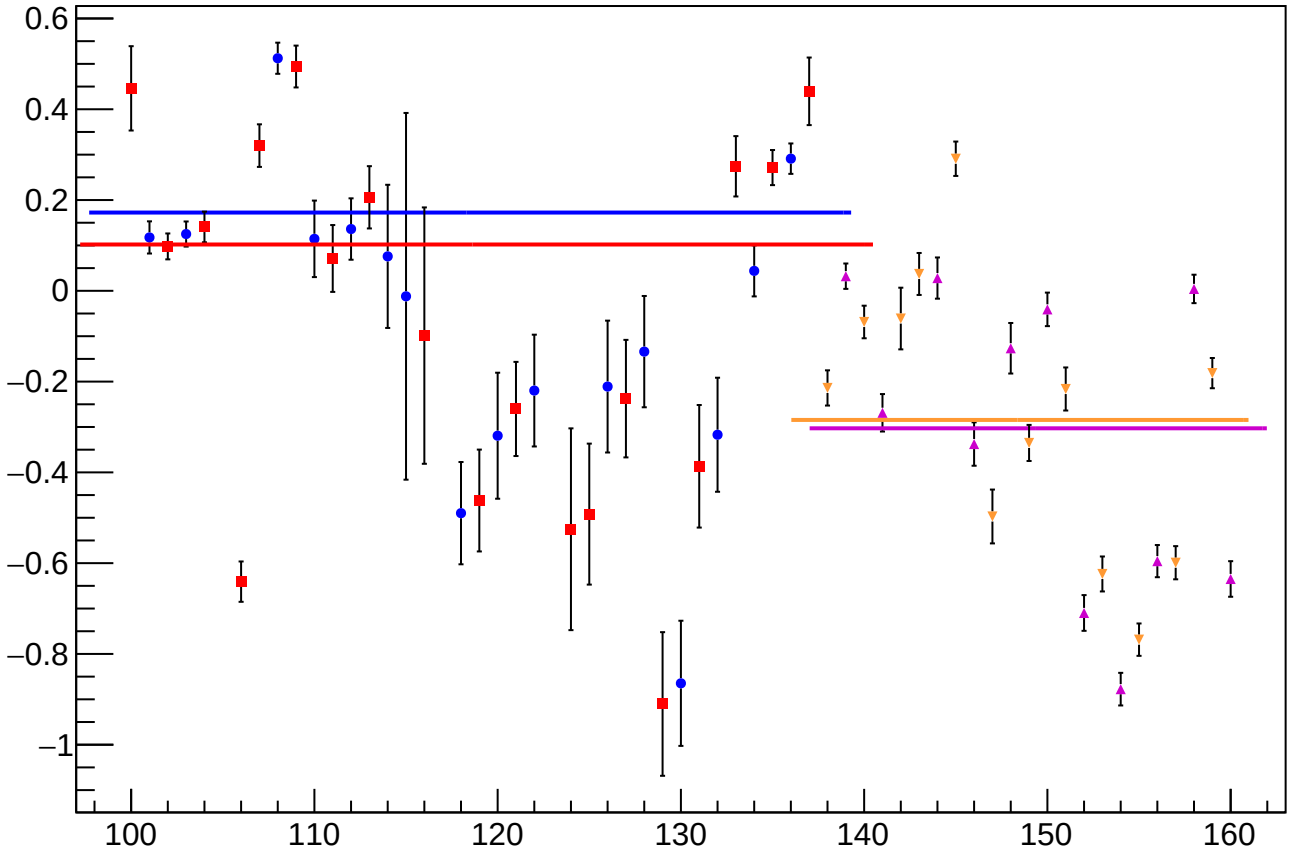
Left: 88.102+/-0.186 χ^2/NDF: 1420.8/22

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 70.889+/-0.200 χ^2/NDF:37700.0/26

Out: 68.841+/-0.193 χ^2/NDF:41395.3/30

All: 69.824+/-0.139 χ^2/NDF: 79149.6/57



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: -0.303+/-0.011 χ^2/NDF:856.8/10

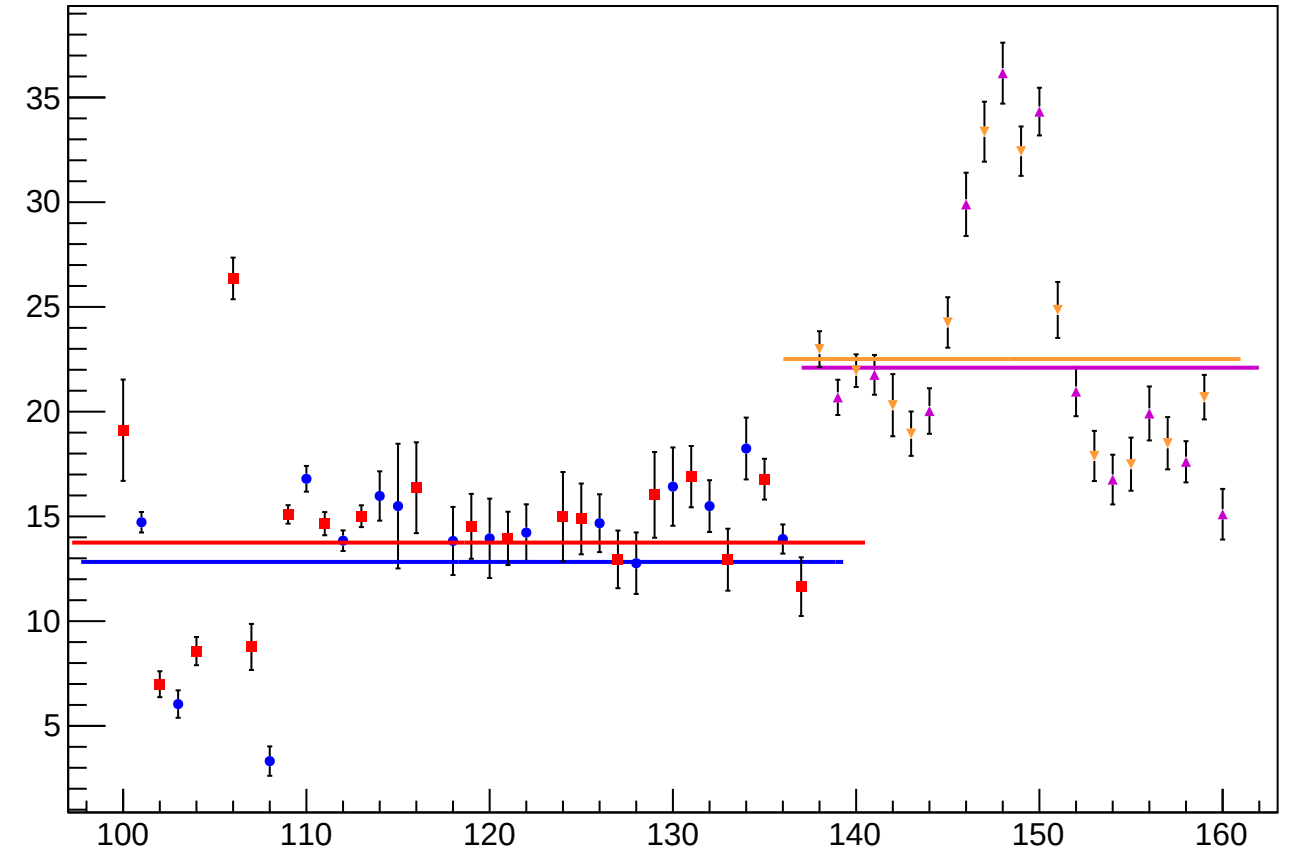
Left: -0.294+/-0.008 χ^2/NDF: 1549.8/22

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.116+/-0.009 χ^2/NDF:1807.4/26

Out: -0.118+/-0.009 χ^2/NDF:1720.2/30

All: -0.117+/-0.006 χ^2/NDF: 3527.6/57



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: 22.099+/-0.337 χ^2/NDF:320.4/10

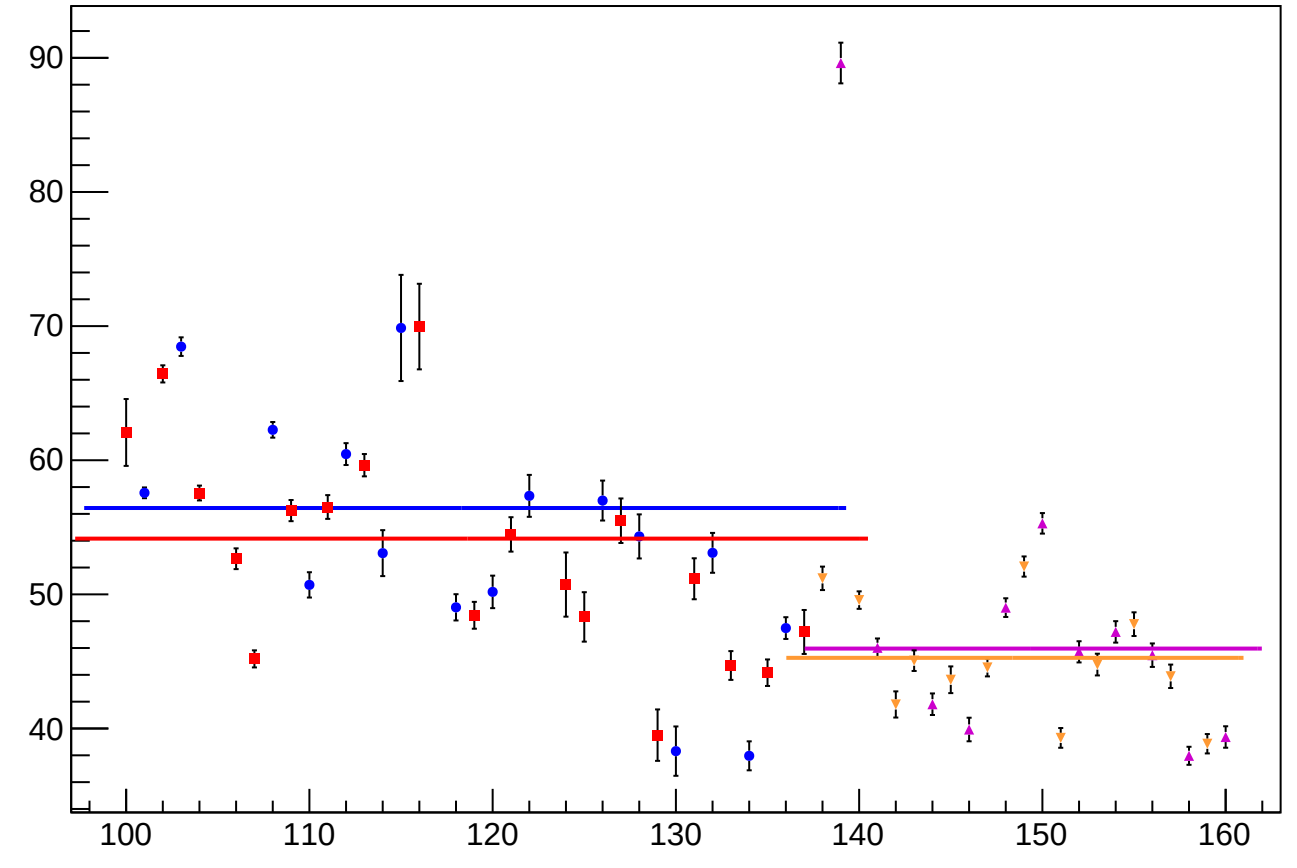
Left: 22.315+/-0.233 χ^2/NDF: 512.9/22

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.492+/-0.181 χ^2/NDF:1247.7/26

Out: 16.268+/-0.172 χ^2/NDF:1125.2/30

All: 15.898+/-0.125 χ^2/NDF: 2382.5/57



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: 45.958+/-0.240 χ^2/NDF:1282.2/10

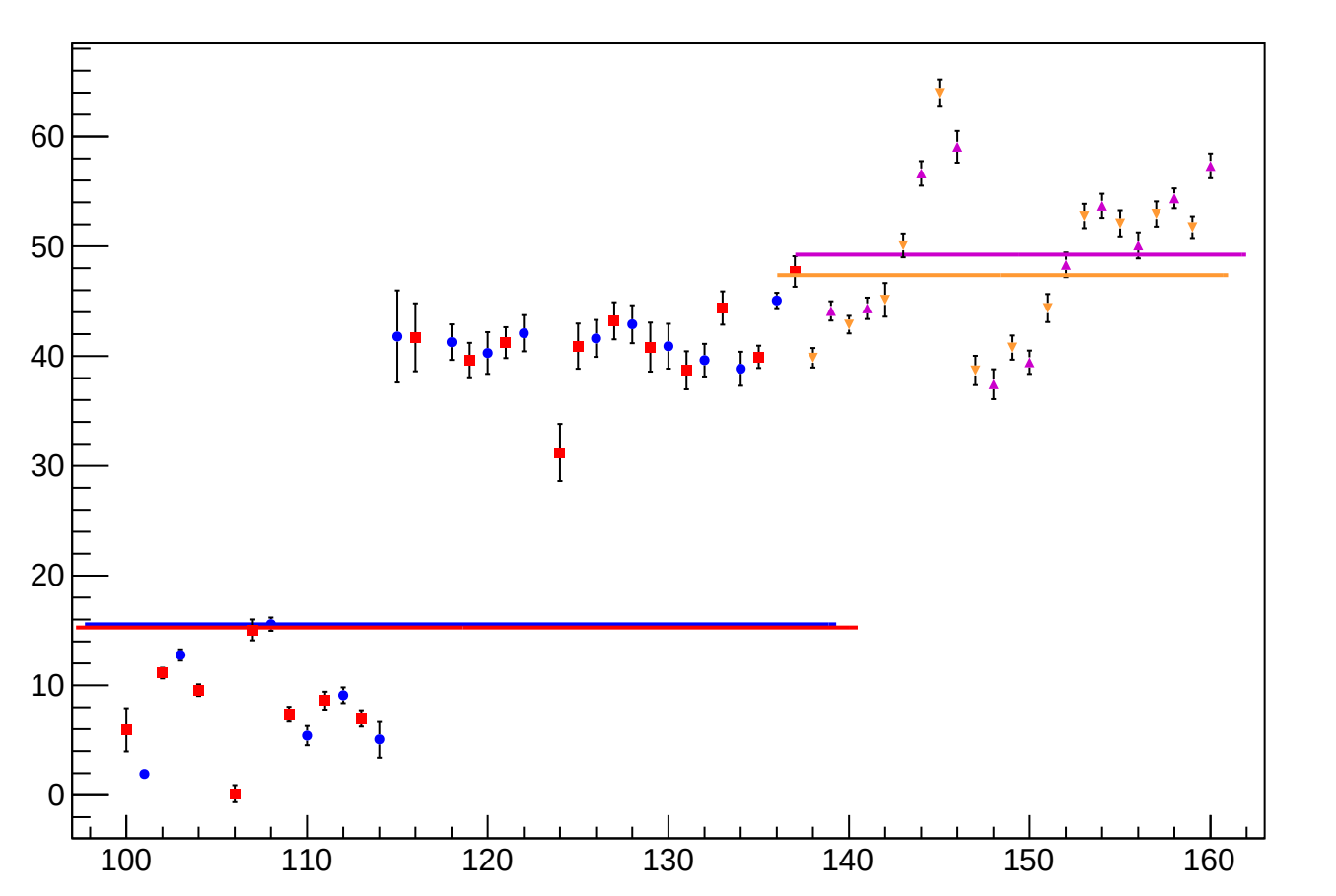
Left: 45.594+/-0.165 χ^2/NDF: 1629.7/22

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 51.611+/-0.163 χ^2/NDF:3398.3/26

Out: 49.772+/-0.160 χ^2/NDF:2122.8/30

All: 50.674+/-0.114 χ^2/NDF: 5586.0/57



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: 49.237+/-0.326 χ^2/NDF:410.9/10

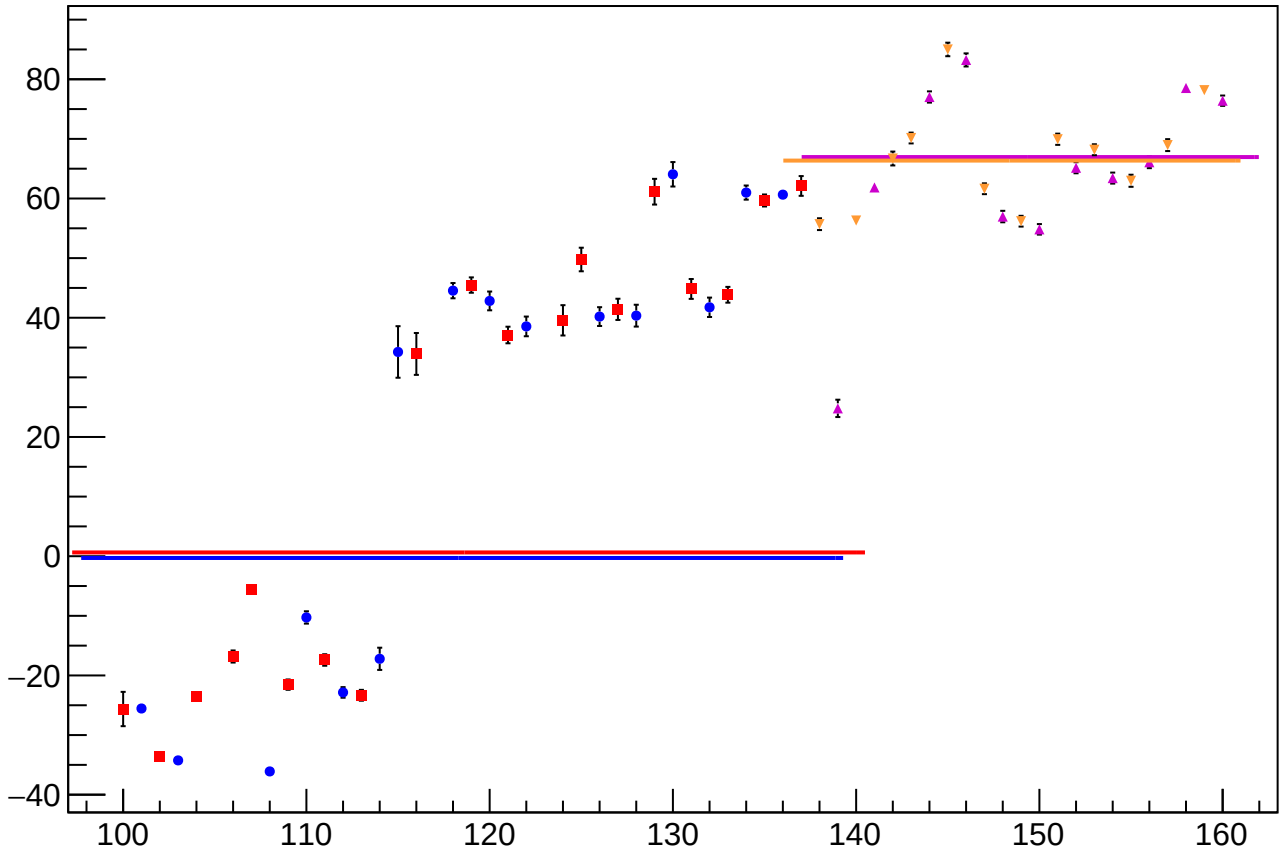
Left: 48.270+/-0.227 χ^2/NDF: 885.7/22

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 25.690+/-0.179 χ^2/NDF:13035.7/26

Out: 25.736+/-0.180 χ^2/NDF:11324.9/30

All: 25.713+/-0.127 χ^2/NDF: 24360.7/57



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: 66.951+/-0.278 χ^2/NDF:1914.9/10

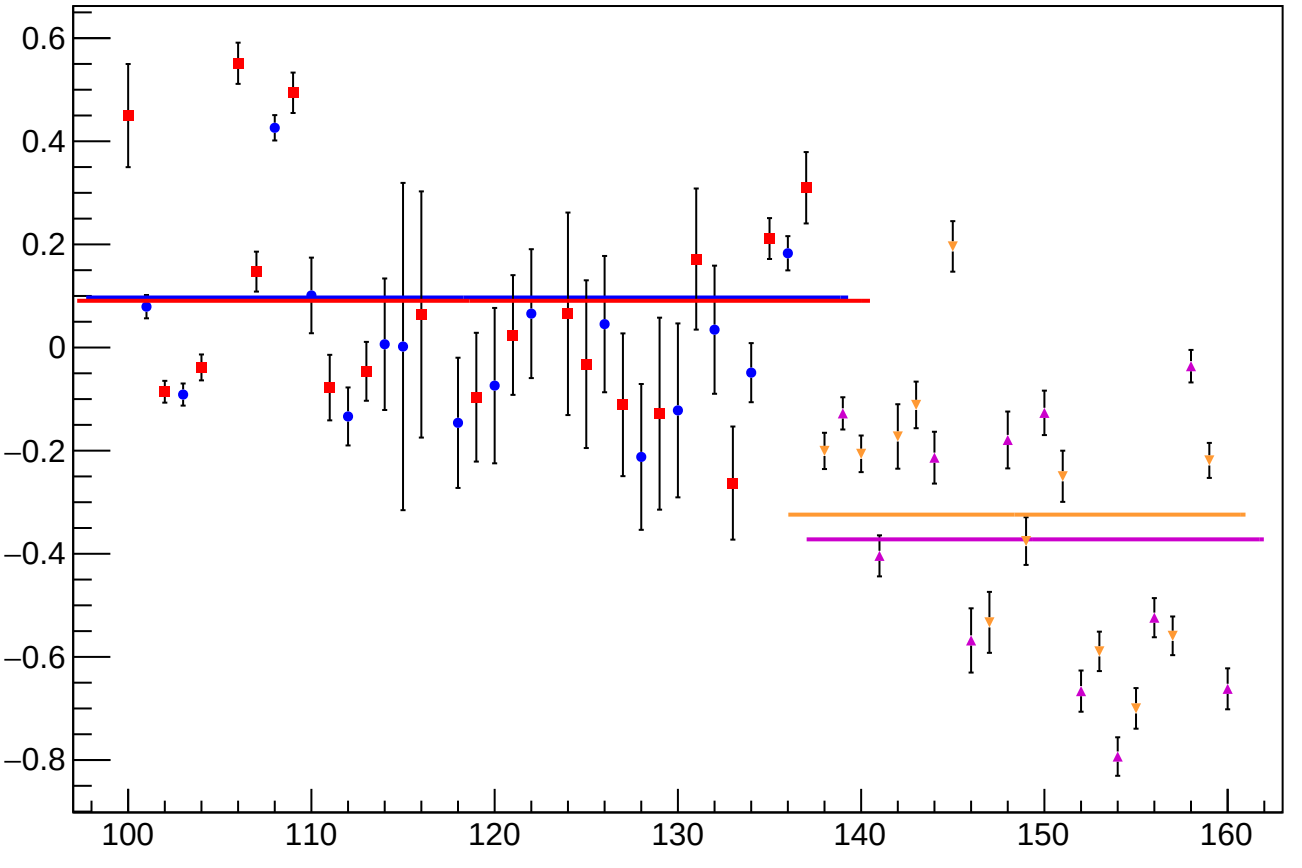
Left: 66.645+/-0.193 χ^2/NDF: 2918.1/22

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 31.250+/-0.190 χ^2/NDF:53992.3/26

Out: 32.866+/-0.188 χ^2/NDF:47516.3/30

All: 32.068+/-0.134 χ^2/NDF: 101544.9/57



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: -0.372+/-0.012 χ^2/NDF:490.3/10

Left: -0.348+/-0.009 χ^2/NDF: 866.3/22

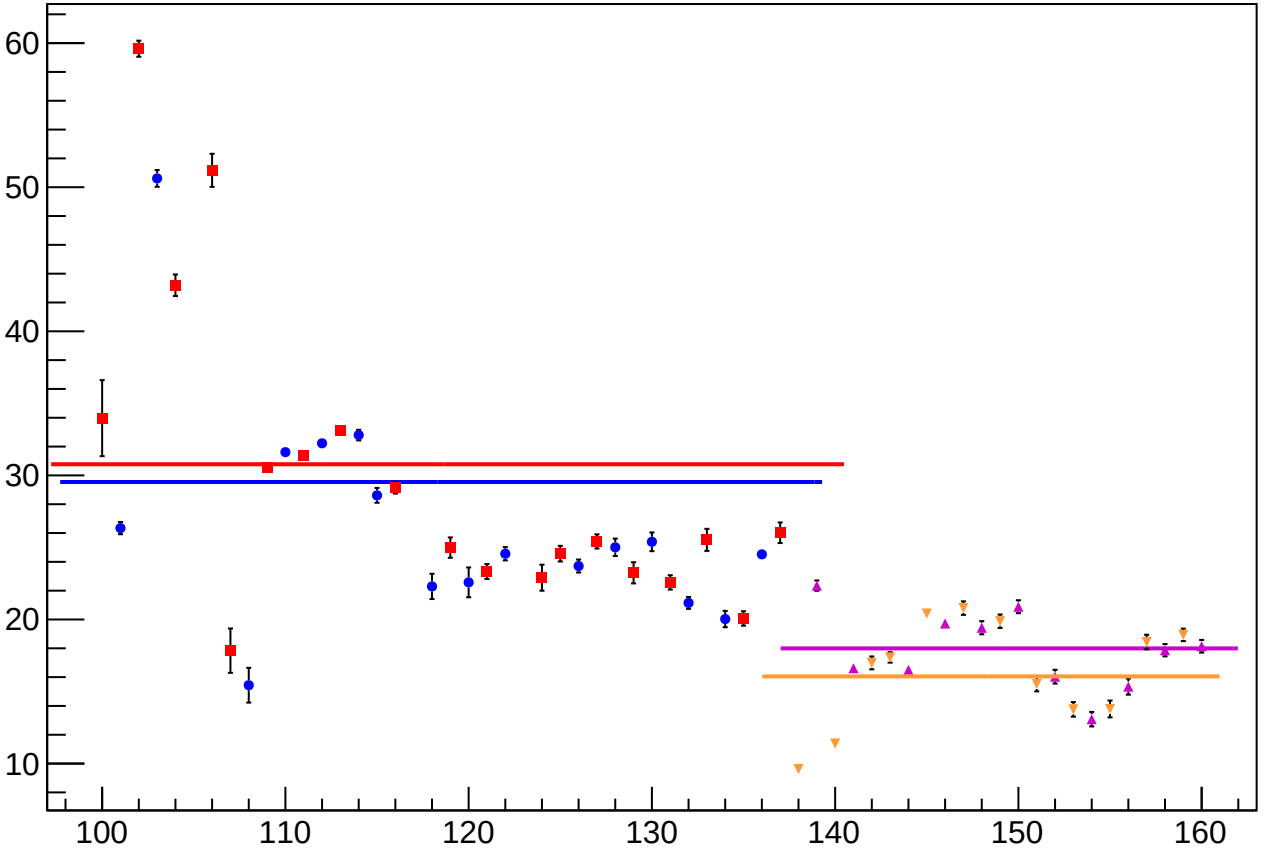
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.120+/-0.008 χ^2/NDF:1598.8/26

Out: -0.104+/-0.008 χ^2/NDF:1390.3/30

All: -0.112+/-0.006 χ^2/NDF: 2990.9/57

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: 17.993+/-0.118 χ^2/NDF:407.6/10

Left: 16.982+/-0.082 χ^2/NDF: 1758.9/22

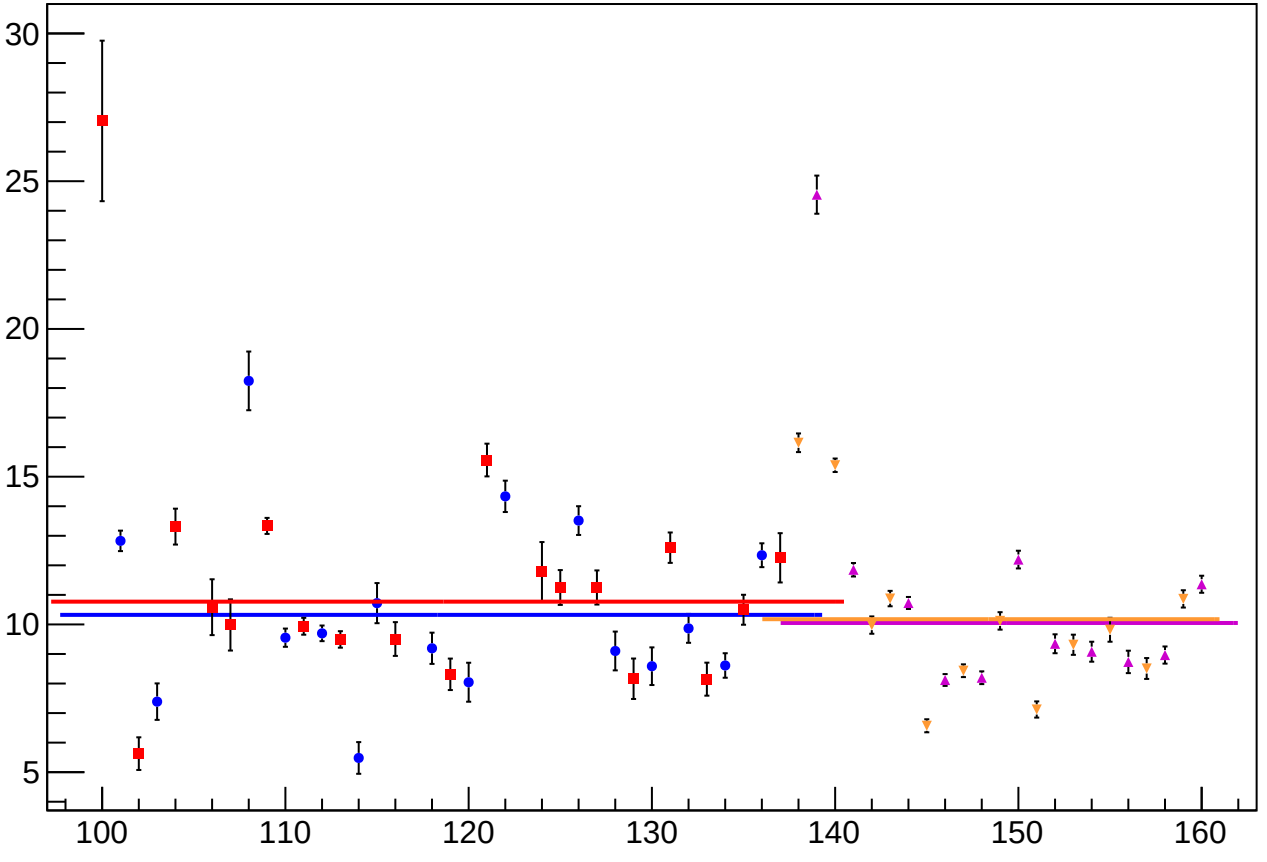
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 25.196+/-0.073 χ^2/NDF:9715.1/26

Out: 25.883+/-0.065 χ^2/NDF:17500.2/30

All: 25.575+/-0.049 χ^2/NDF: 27264.6/57

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: 10.049+/-0.081 χ^2/NDF:855.0/10

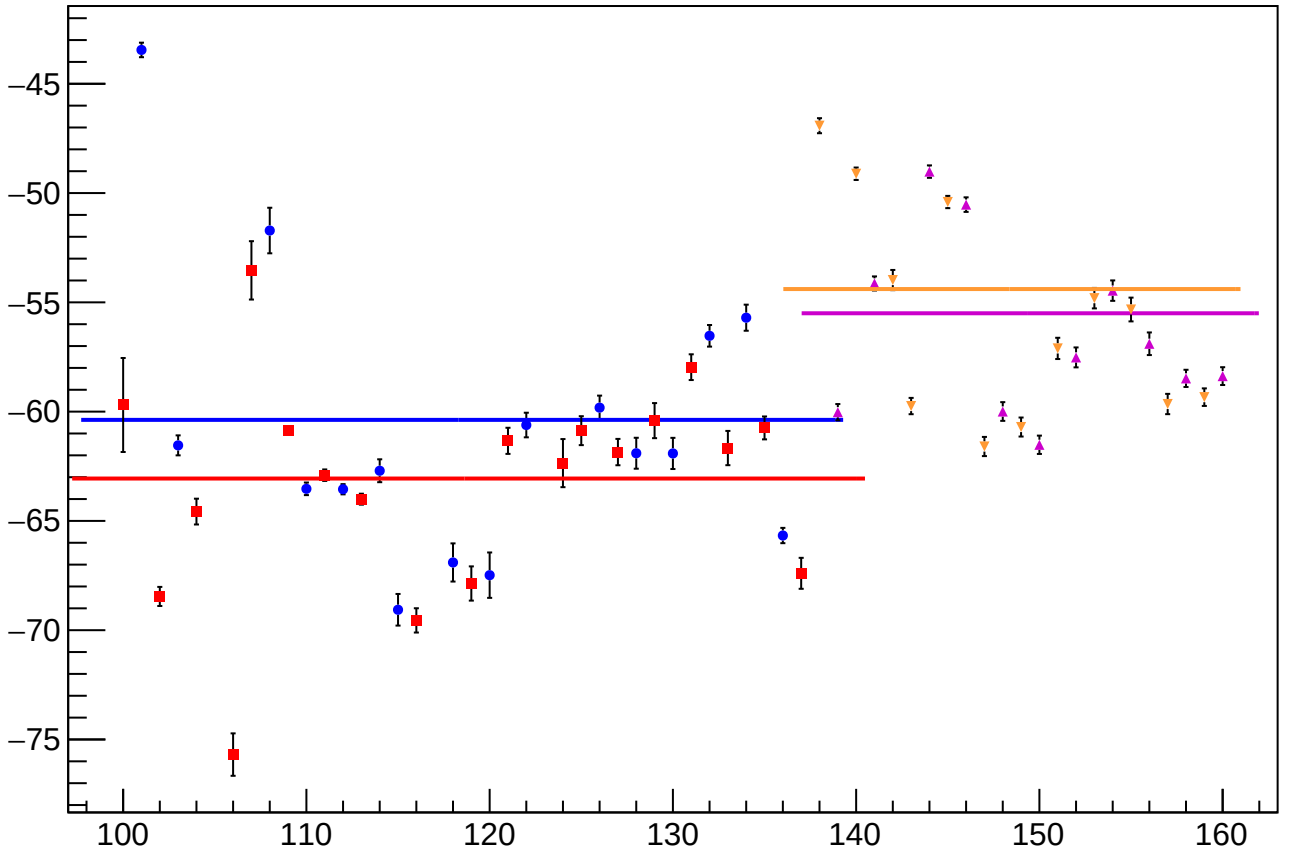
Left: 10.114+/-0.057 χ^2/NDF: 2233.9/22

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.141+/-0.066 χ^2/NDF:1261.5/26

Out: 10.375+/-0.065 χ^2/NDF:1811.8/30

All: 10.260+/-0.046 χ^2/NDF: 3079.7/57



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: -55.500+/-0.115 χ^2/NDF:1362.8/10

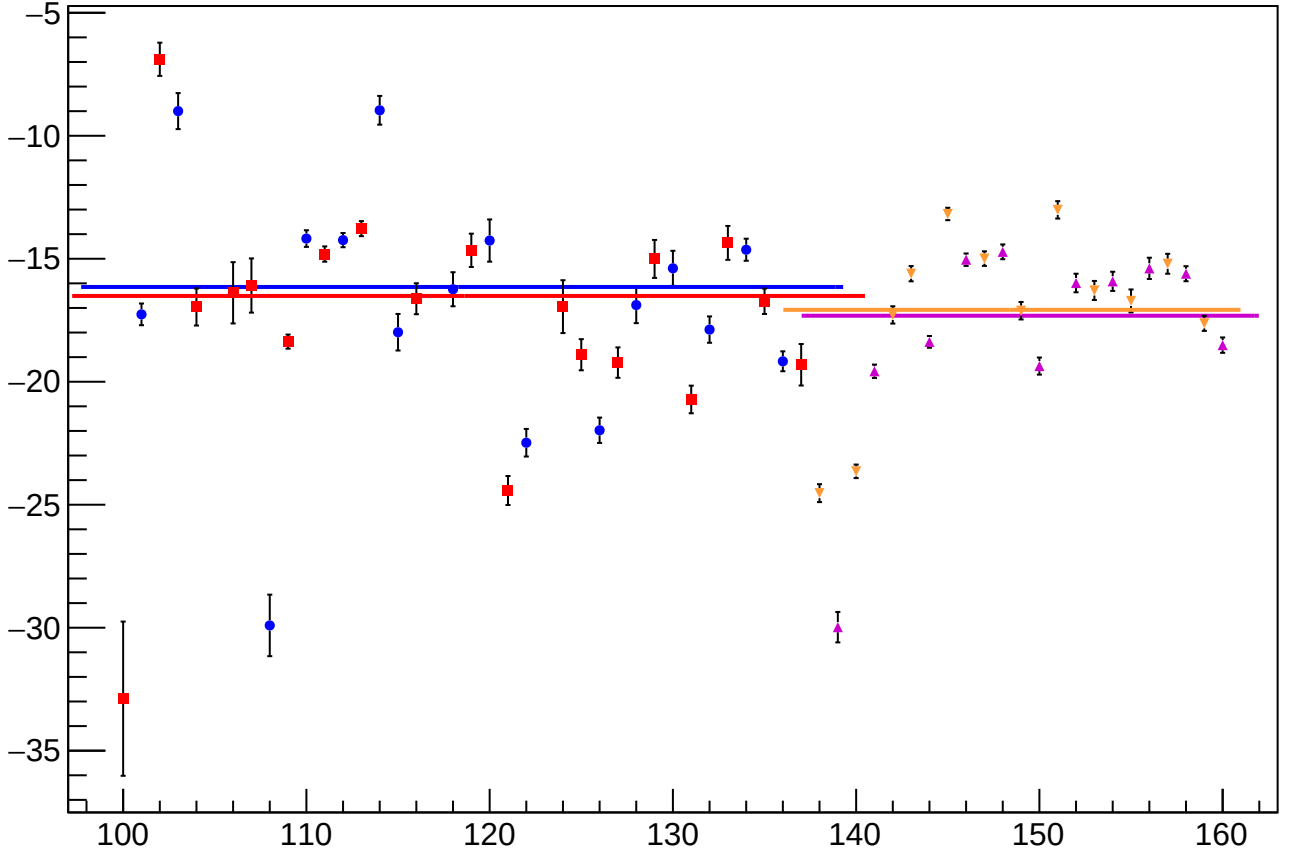
Left: -54.932+/-0.081 χ^2/NDF: 3429.2/22

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.991+/-0.081 χ^2/NDF:5871.6/26

Out: -58.938+/-0.078 χ^2/NDF:5971.2/30

All: -58.483+/-0.056 χ^2/NDF: 11914.1/57



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: -17.316+/-0.096 χ^2/NDF:788.0/10

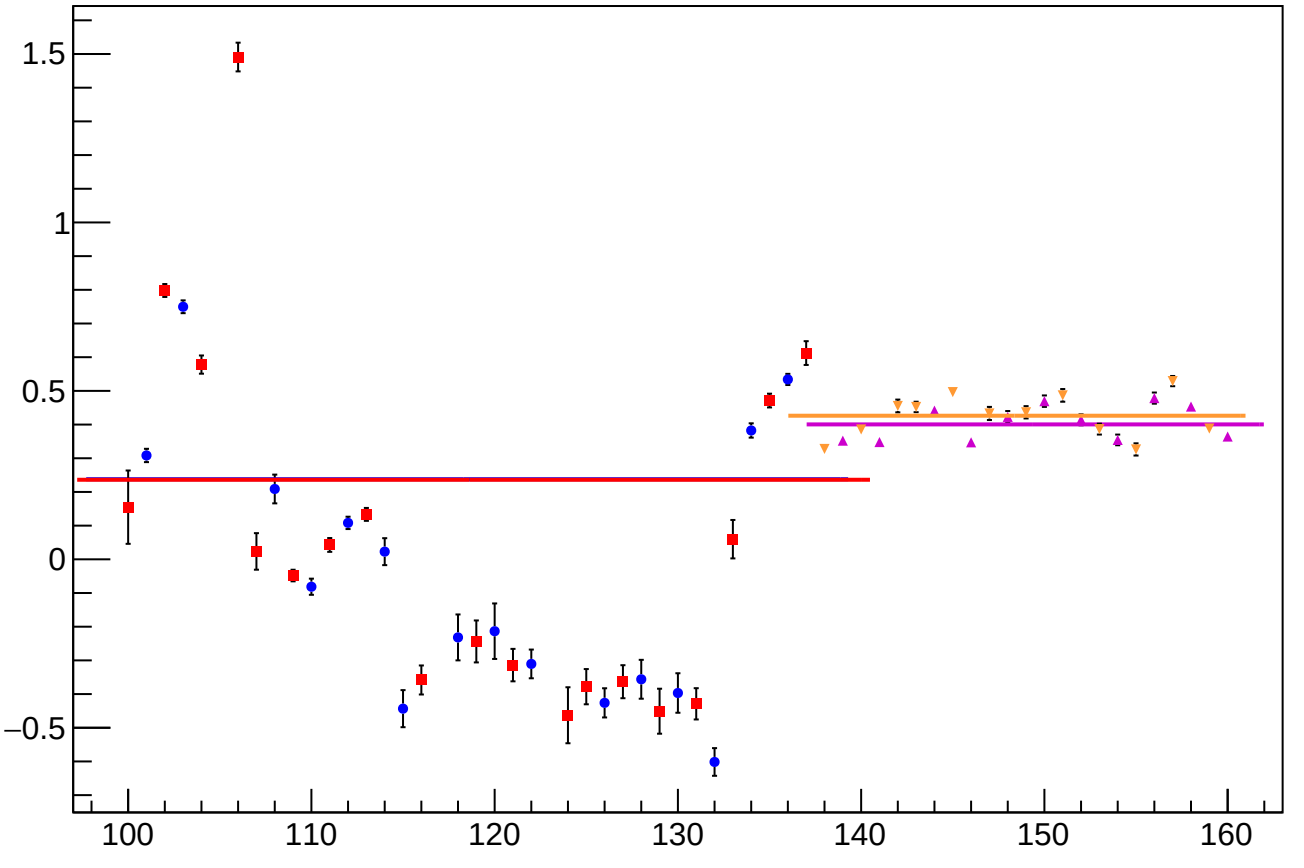
Left: -17.195+/-0.068 χ^2/NDF: 2250.9/22

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.891+/-0.077 χ^2/NDF:1638.9/26

Out: -16.868+/-0.076 χ^2/NDF:2157.4/30

All: -16.880+/-0.054 χ^2/NDF: 3796.4/57



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: 0.400+/-0.004 χ^2/NDF:123.8/10

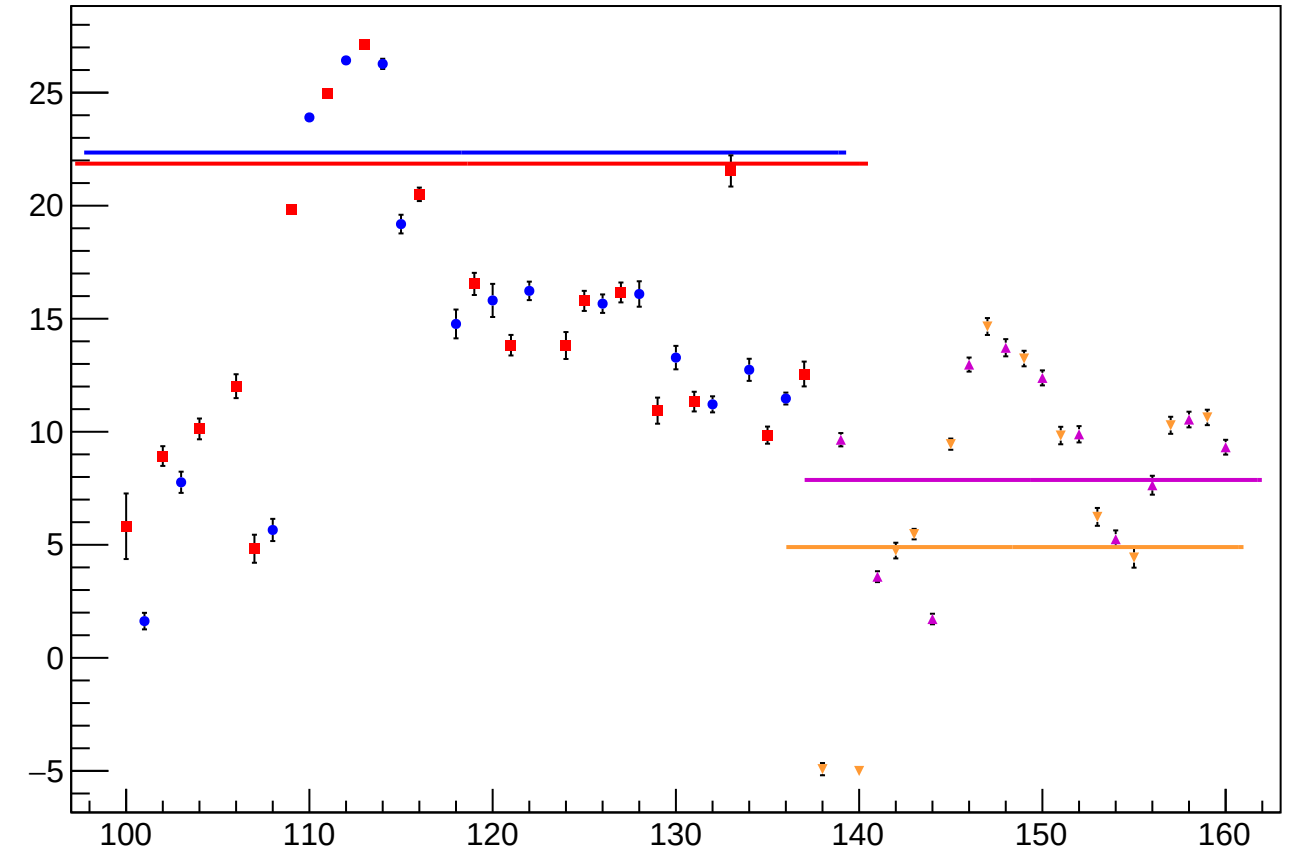
Left: 0.413+/-0.003 χ^2/NDF: 346.9/22

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.354+/-0.004 χ^2/NDF:3137.4/26

Out: 0.373+/-0.004 χ^2/NDF:4318.7/30

All: 0.364+/-0.003 χ^2/NDF: 7468.4/57



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: 7.869+/-0.095 χ^2/NDF:1894.4/10

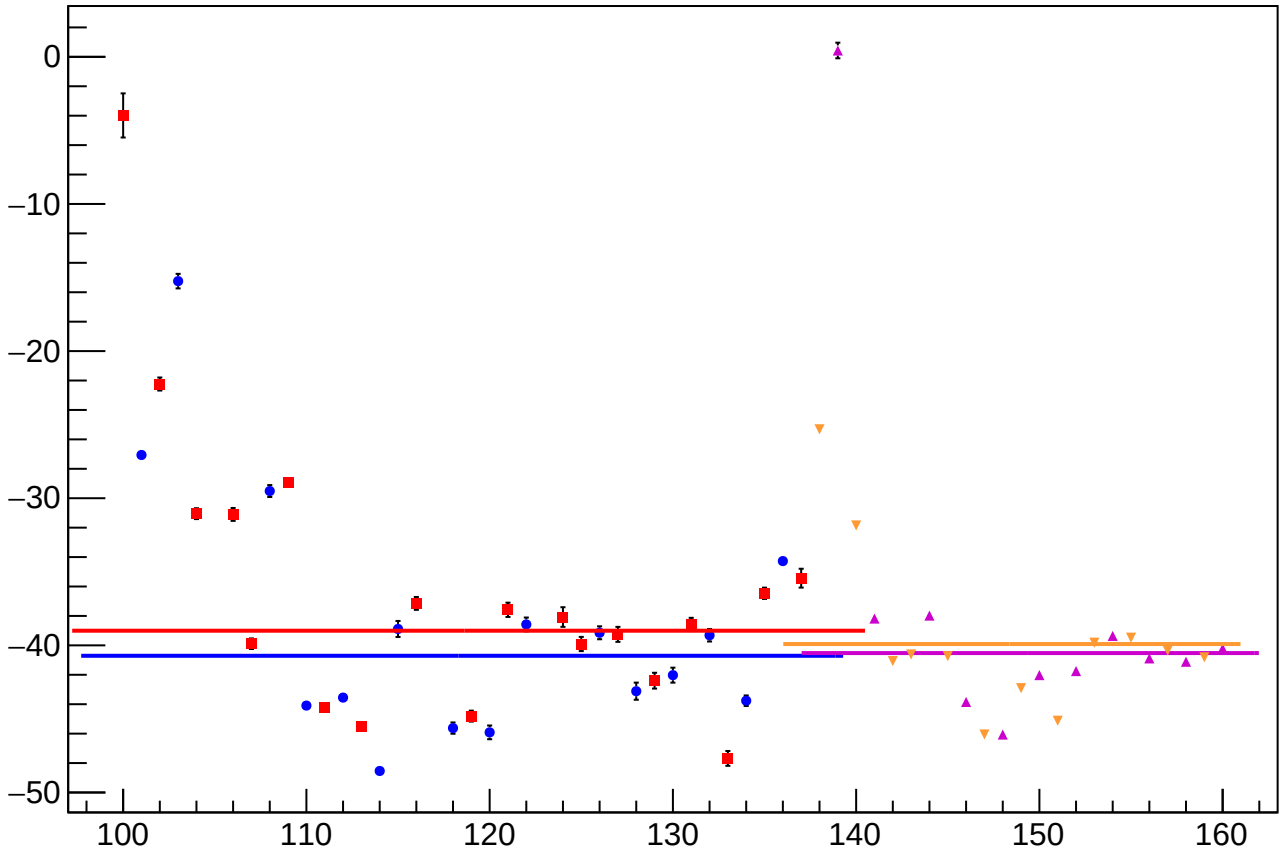
Left: 6.280+/-0.065 χ^2/NDF: 8147.1/22

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 18.553+/-0.049 χ^2/NDF:31423.5/26

Out: 18.211+/-0.041 χ^2/NDF:45295.8/30

All: 18.354+/-0.031 χ^2/NDF: 76748.1/57



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: -40.524+/-0.065 χ^2/NDF:7706.7/10

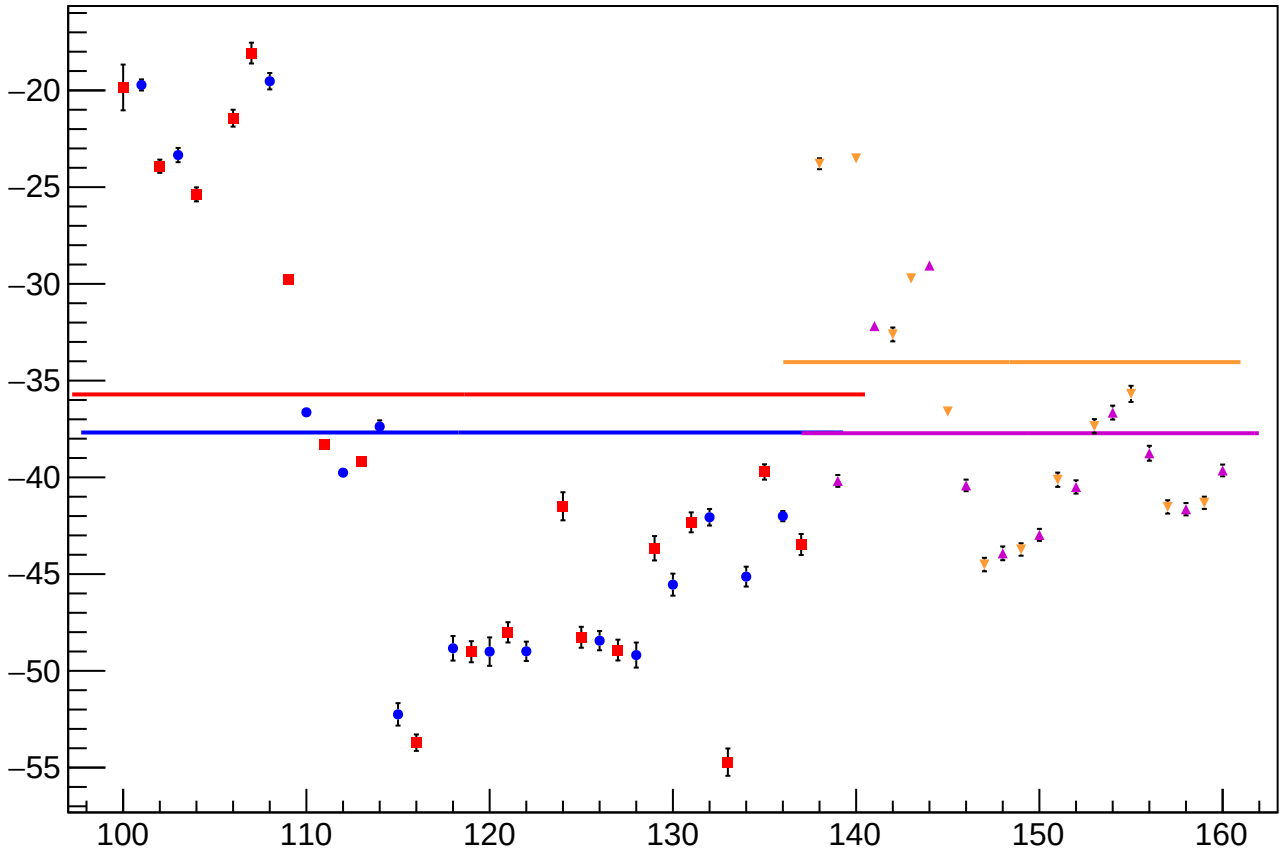
Left: -40.201+/-0.045 χ^2/NDF: 15083.1/22

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.602+/-0.050 χ^2/NDF:15490.4/26

Out: -39.519+/-0.047 χ^2/NDF:17523.7/30

All: -40.027+/-0.034 χ^2/NDF: 33266.2/57



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: -37.718+/-0.092 χ^2/NDF:2814.0/10

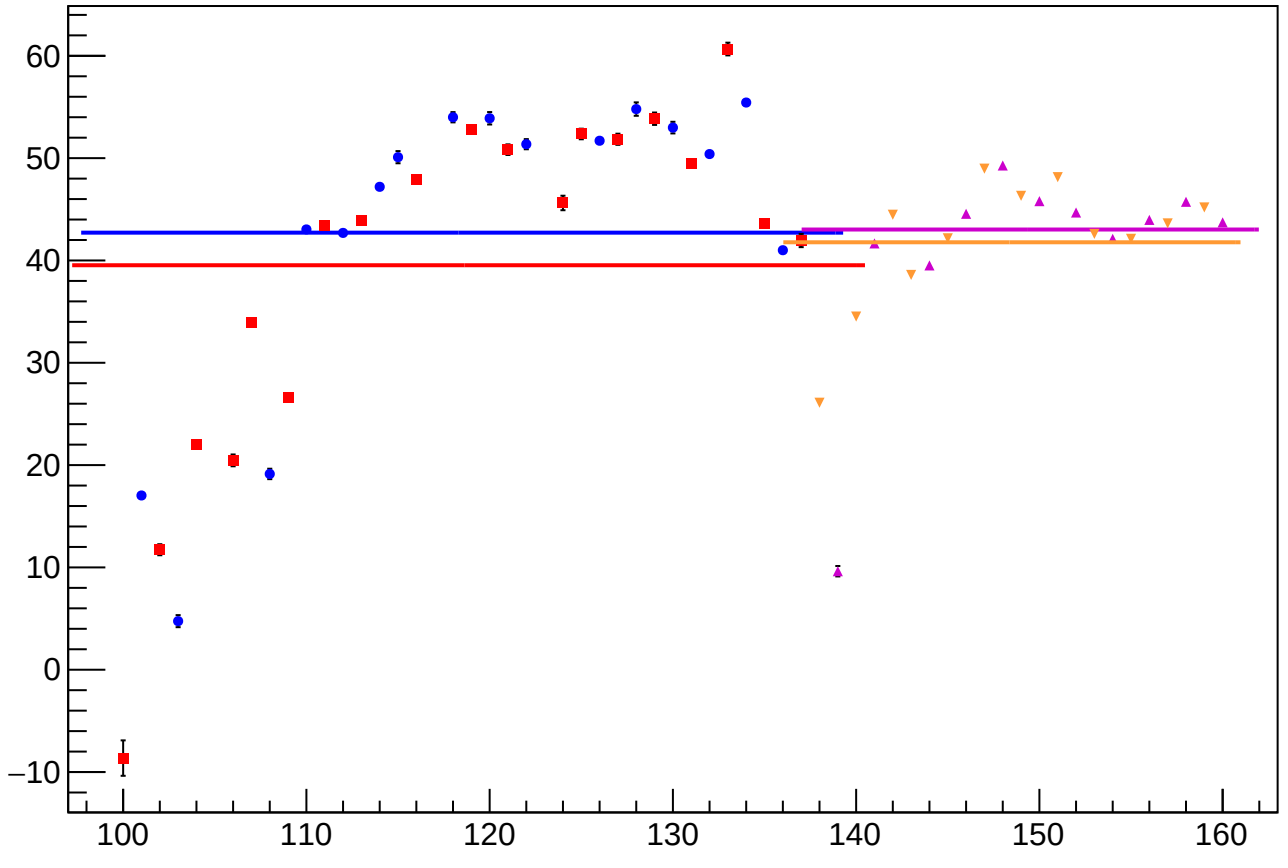
Left: -35.782+/-0.064 χ^2/NDF: 10871.1/22

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.695+/-0.058 χ^2/NDF:13668.0/26

Out: -35.128+/-0.052 χ^2/NDF:20733.7/30

All: -36.276+/-0.039 χ^2/NDF: 35499.5/57



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: 43.024+/-0.077 χ^2/NDF:5612.1/10

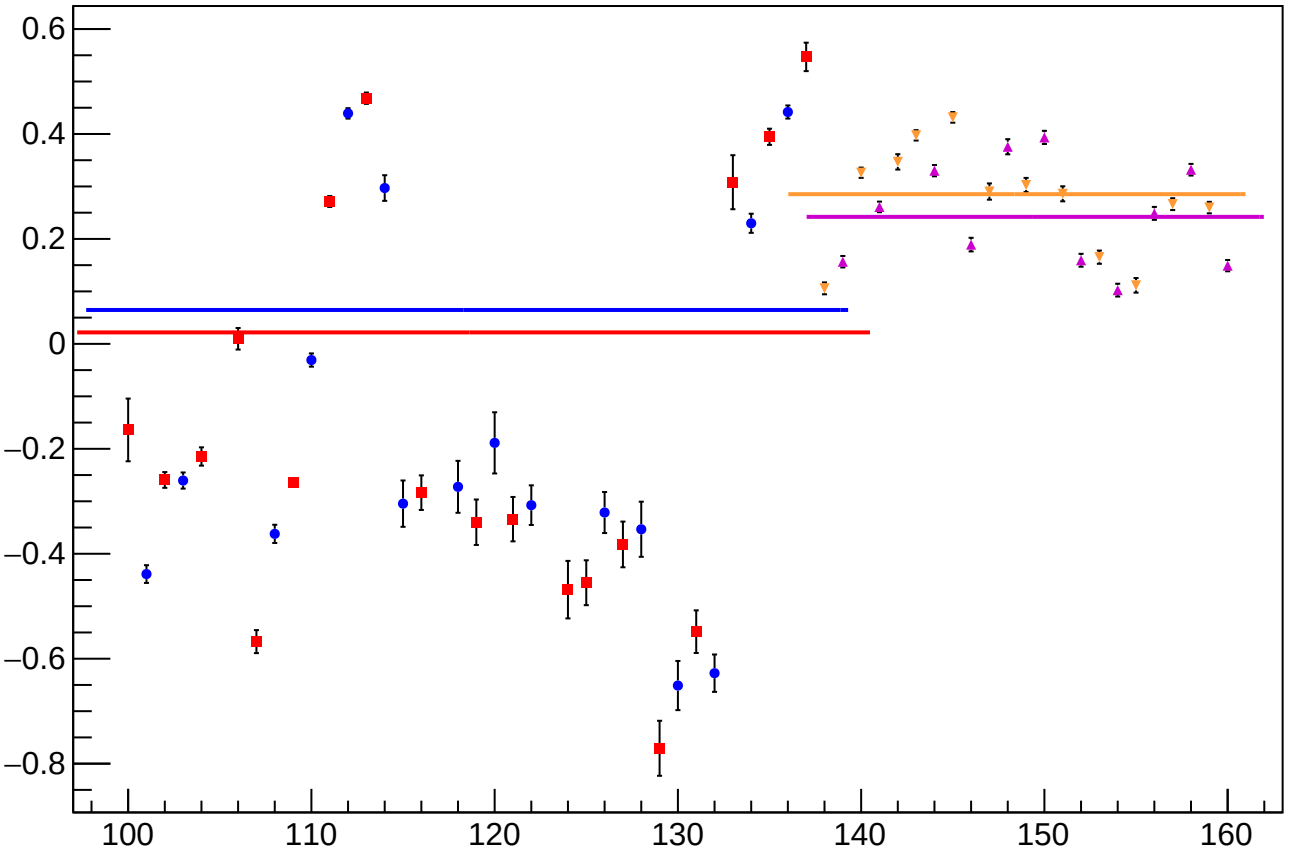
Left: 42.375+/-0.053 χ^2/NDF: 11999.8/22

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.886+/-0.057 χ^2/NDF:20384.2/26

Out: 40.718+/-0.054 χ^2/NDF:24664.7/30

All: 41.736+/-0.039 χ^2/NDF: 45813.7/57



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: 0.242+/-0.004 χ^2/NDF:694.6/10

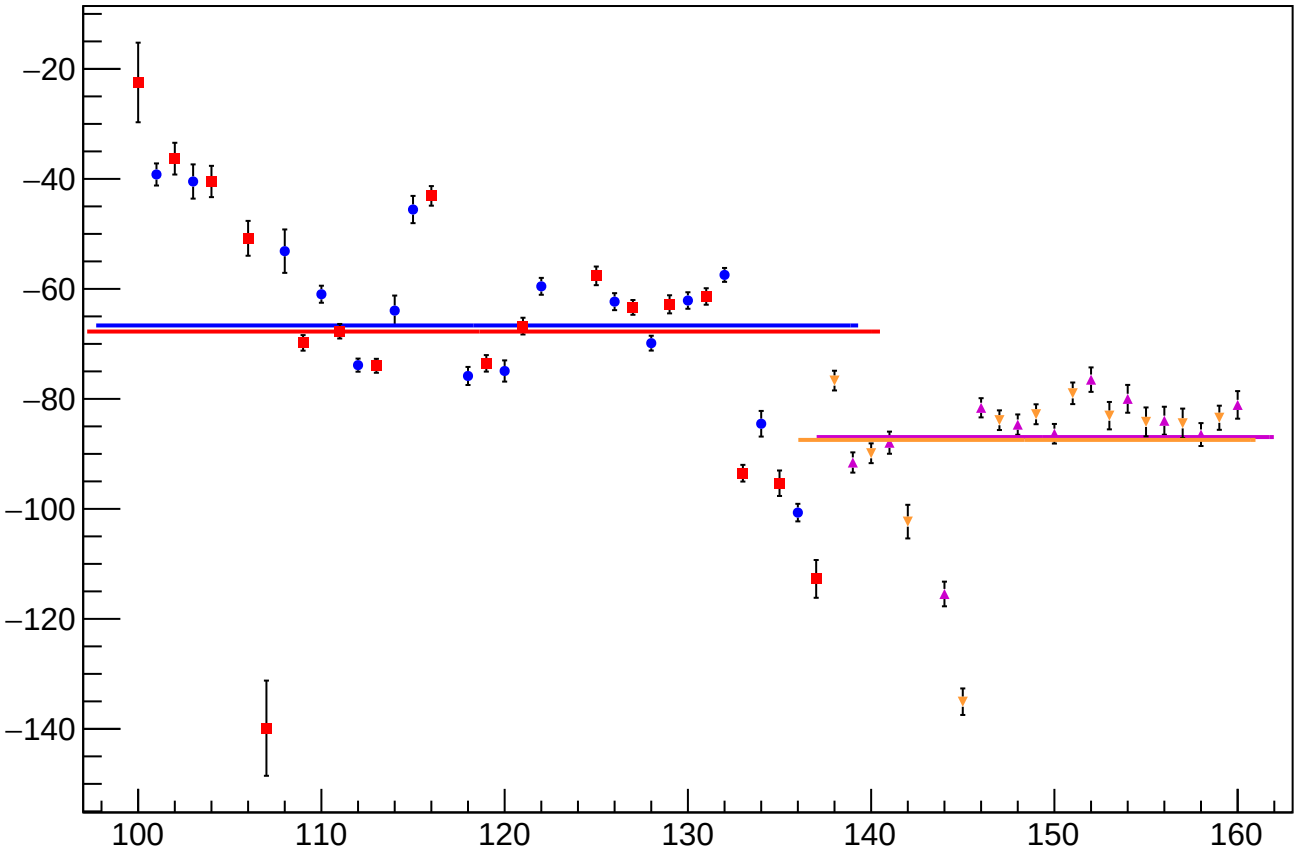
Left: 0.264+/-0.002 χ^2/NDF: 1649.9/22

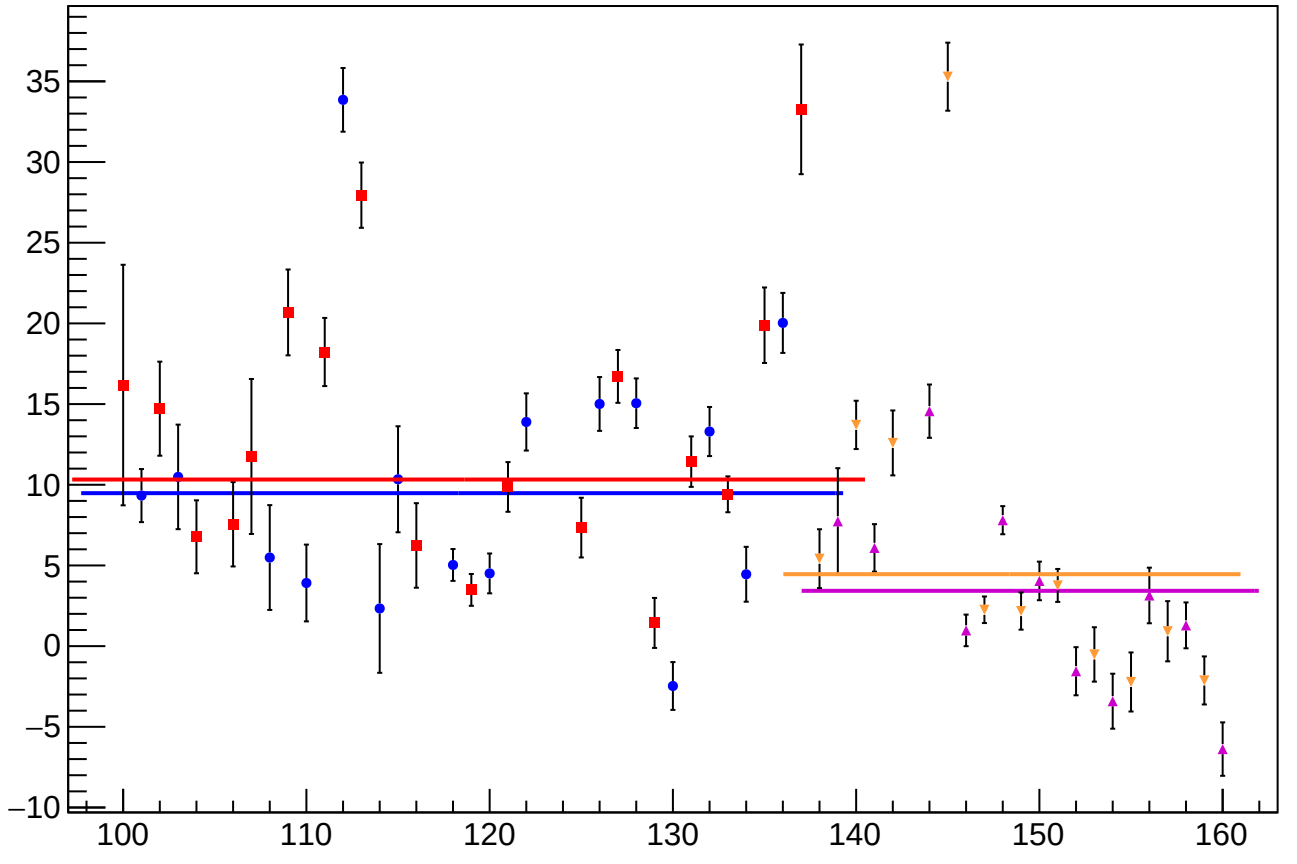
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.181+/-0.003 χ^2/NDF:7070.3/26

Out: 0.185+/-0.003 χ^2/NDF:9520.7/30

All: 0.183+/-0.002 χ^2/NDF: 16592.4/57


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -87.457+/-0.642 χ²/NDF:490.0/10
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -86.939+/-0.623 χ²/NDF:215.7/10
Left: -87.190+/-0.447 χ²/NDF: 706.1/21
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.121+/-0.352 χ²/NDF:1991.5/26
Out: -73.654+/-0.351 χ²/NDF:2405.9/28
All: -73.388+/-0.248 χ²/NDF: 4398.6/55



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: 3.428+/-0.409 χ^2/NDF:146.9/10

Left: 3.935+/-0.291 χ^2/NDF: 475.4/21

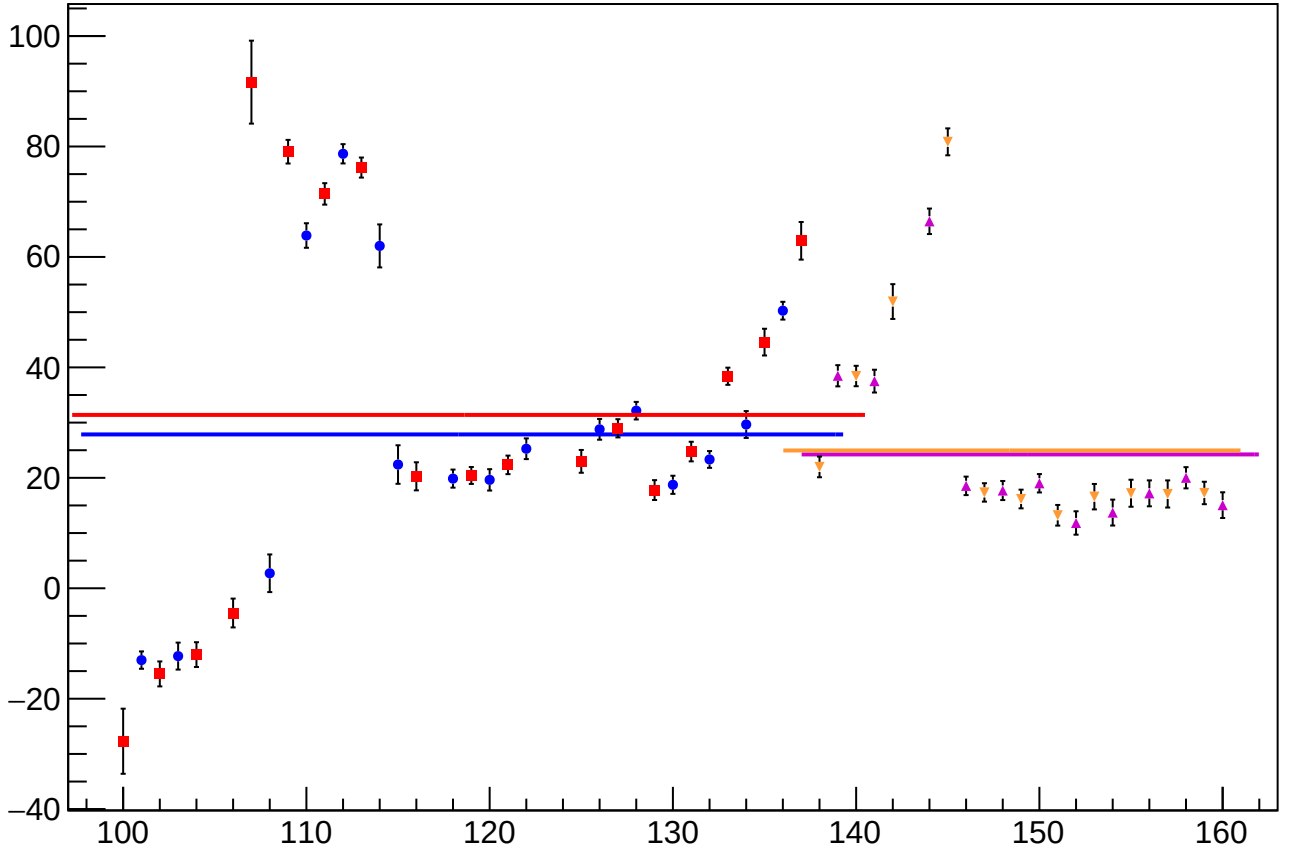
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 6.317+/-0.296 χ^2/NDF:593.2/26

Out: 7.251+/-0.301 χ^2/NDF:683.9/28

All: 6.776+/-0.211 χ^2/NDF: 1282.0/55

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: 24.239+/-0.599 χ^2/NDF:550.3/10

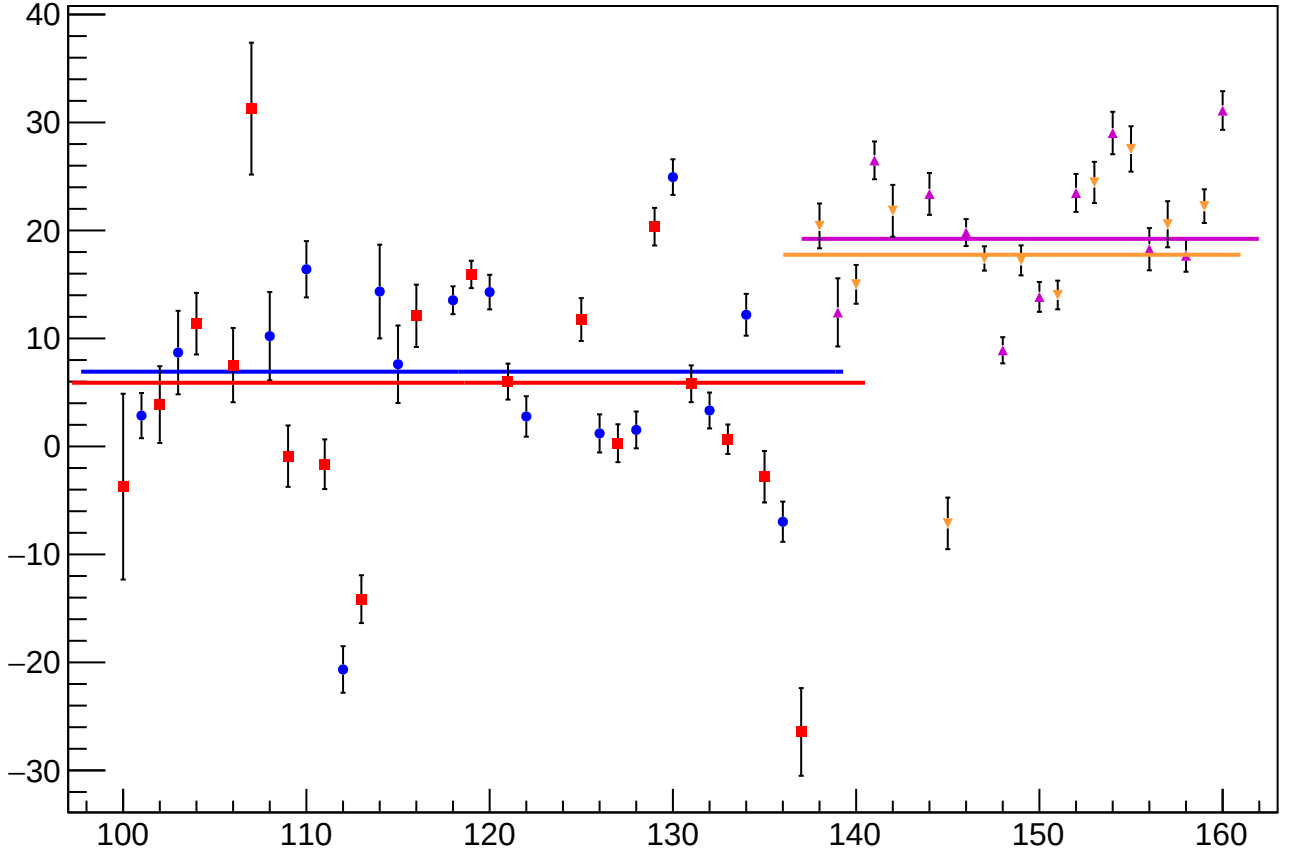
Left: 24.584+/-0.431 χ^2/NDF: 1339.5/21

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 26.435+/-0.376 χ^2/NDF:3046.5/26

Out: 28.931+/-0.383 χ^2/NDF:3866.6/28

All: 27.659+/-0.268 χ^2/NDF: 6934.7/55



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: 19.223+/-0.491 χ^2/NDF:190.4/10

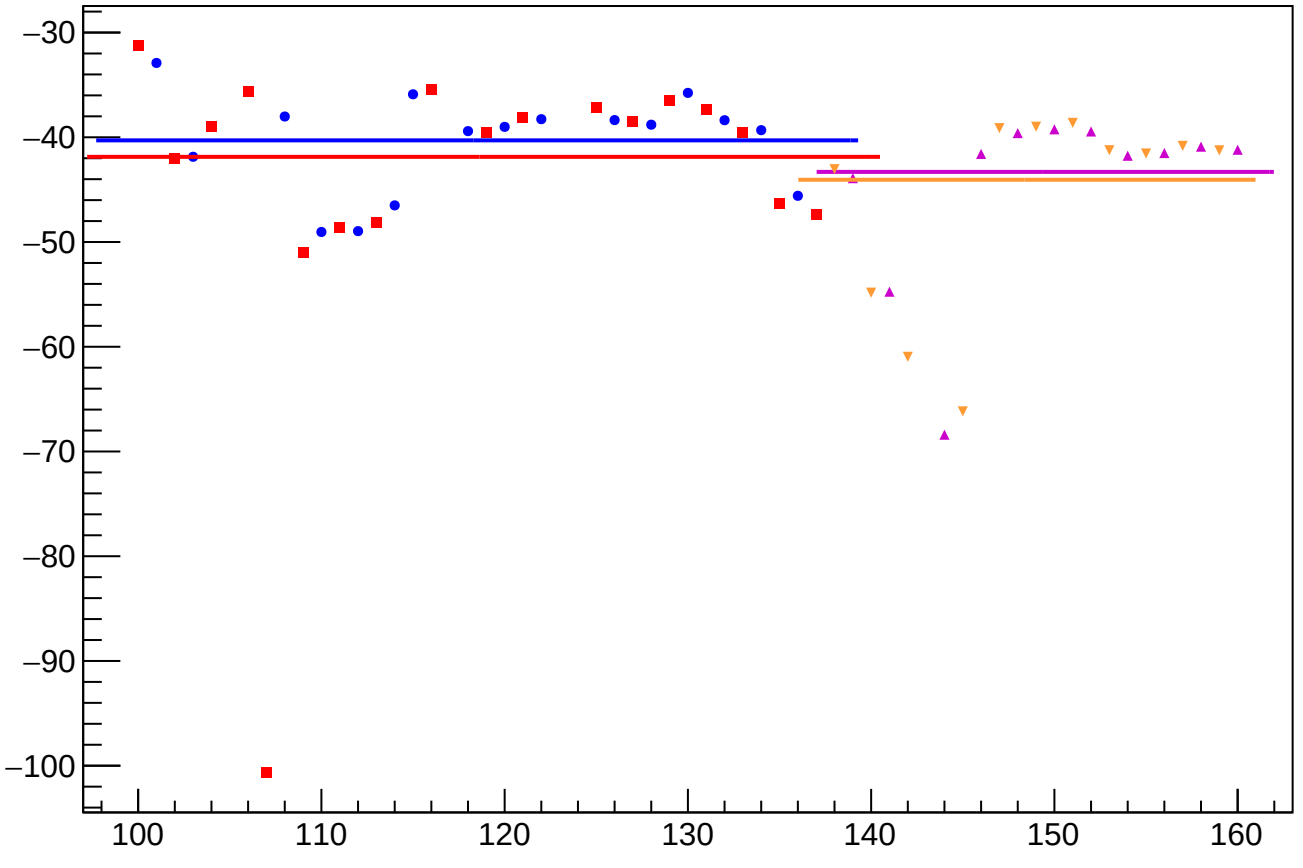
Left: 18.509+/-0.353 χ^2/NDF: 362.2/21

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.126+/-0.349 χ^2/NDF:945.5/26

Out: 11.767+/-0.356 χ^2/NDF:811.6/28

All: 12.461+/-0.249 χ^2/NDF: 1764.4/55



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: -43.304+/-0.023 χ^2/NDF:89391.2/10

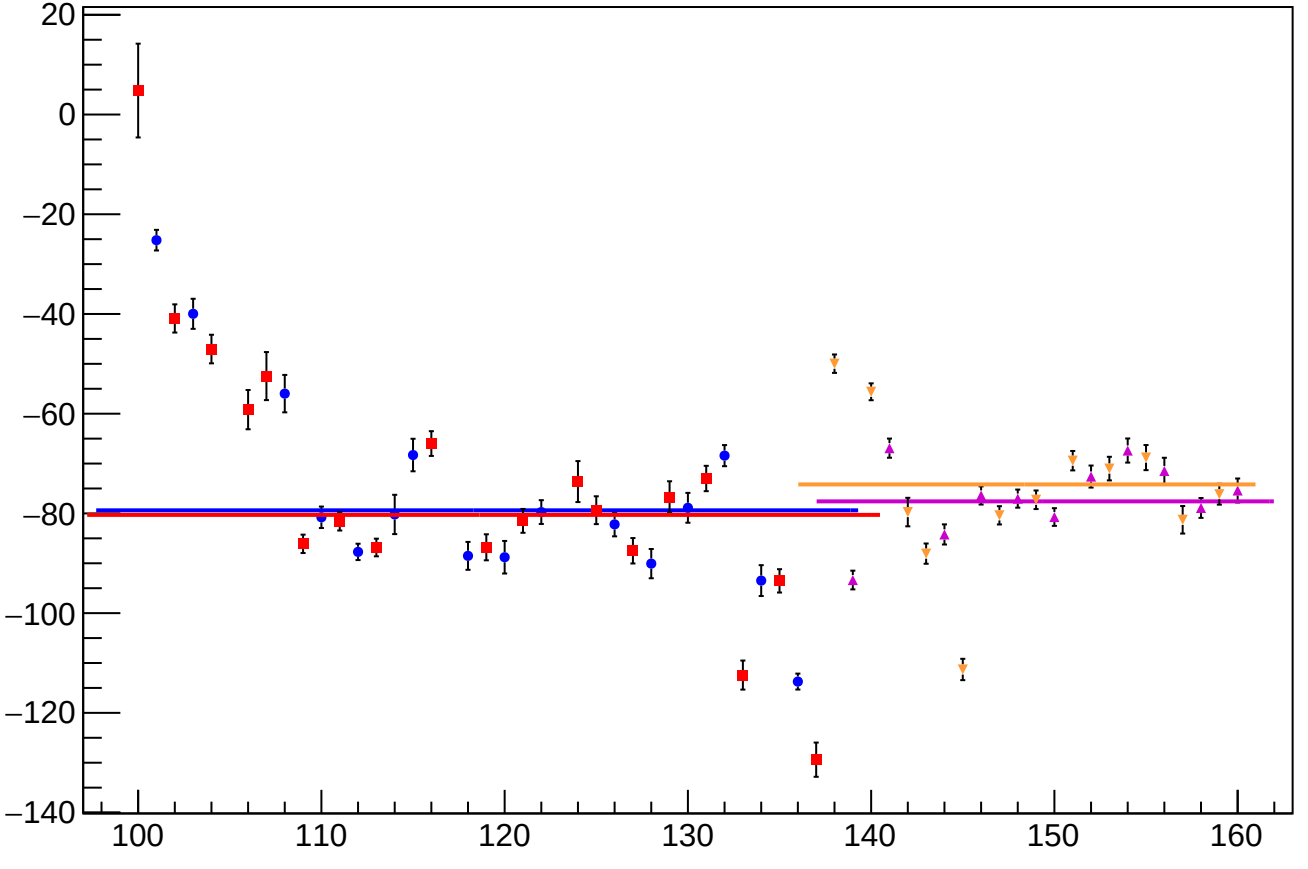
Left: -43.658+/-0.017 χ^2/NDF: 197448.8/21

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.272+/-0.018 χ^2/NDF:116099.6/26

Out: -43.269+/-0.019 χ^2/NDF:169251.4/28

All: -42.747+/-0.013 χ^2/NDF: 286751.2/55



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: -77.585+/-0.613 χ^2/NDF:145.1/10

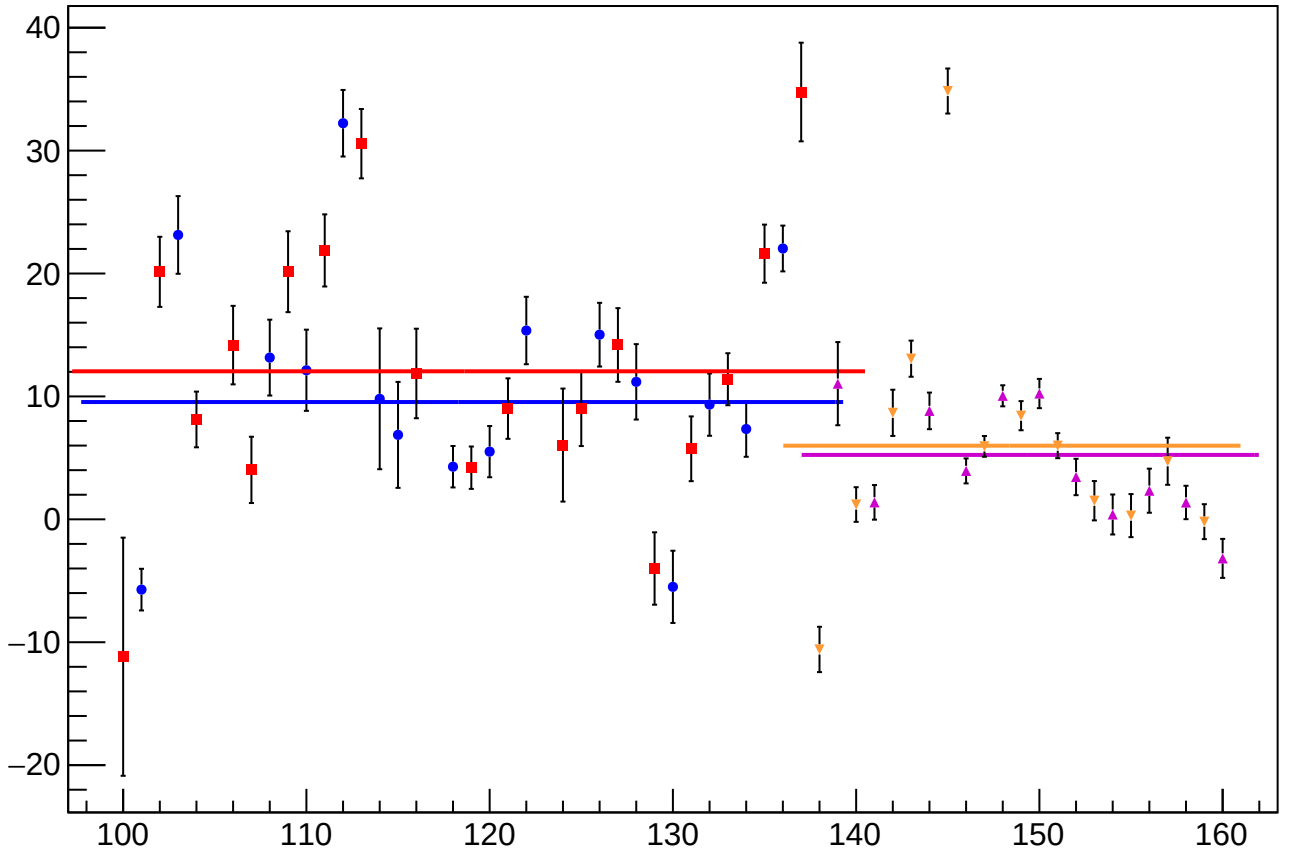
Left: -75.852+/-0.429 χ^2/NDF: 838.6/22

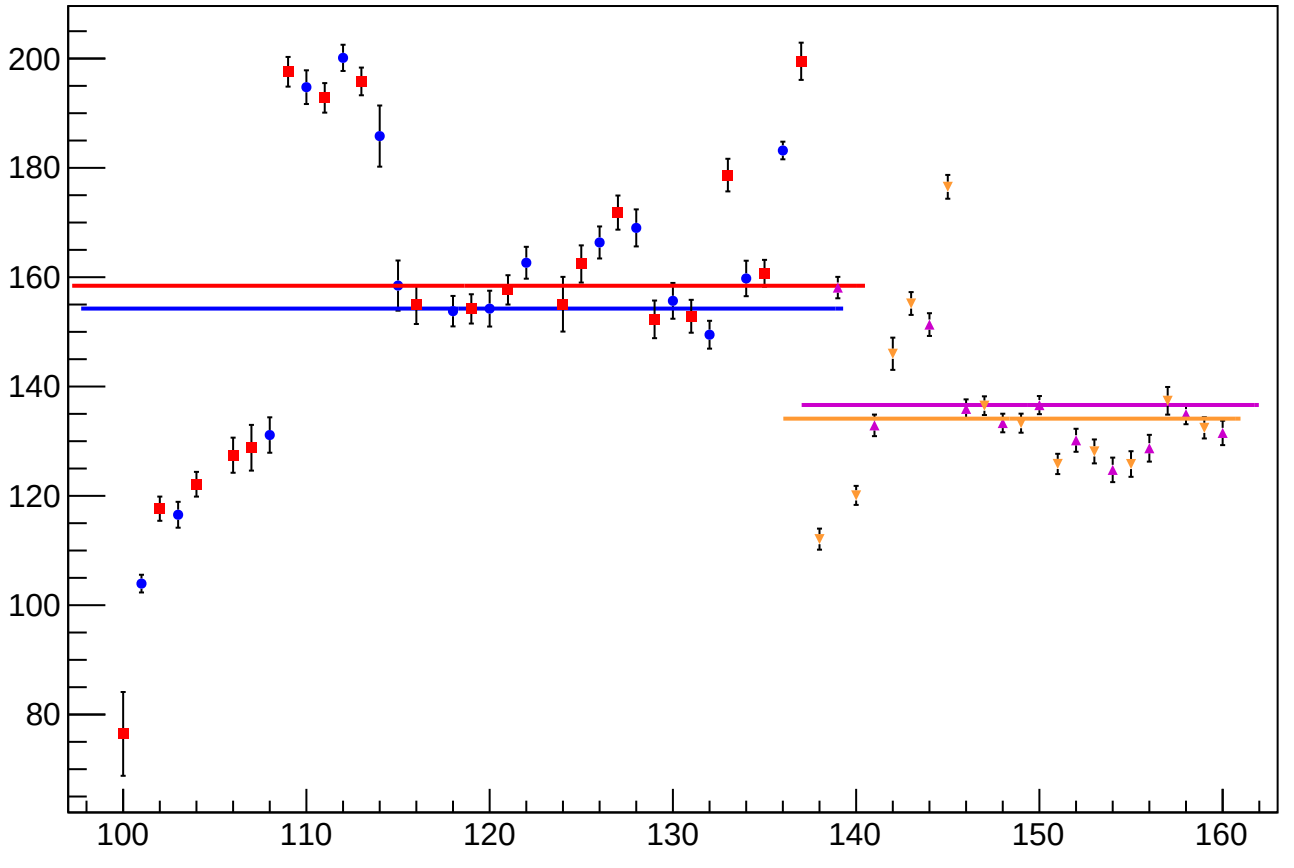
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -78.486+/-0.433 χ^2/NDF:1625.3/26

Out: -77.224+/-0.426 χ^2/NDF:1643.9/30

All: -77.845+/-0.304 χ^2/NDF: 3273.5/57


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: 5.241+/-0.403 χ²/NDF:116.2/10
Left: 5.623+/-0.282 χ²/NDF: 525.7/22
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 6.514+/-0.338 χ²/NDF:417.1/26
Out: 7.673+/-0.336 χ²/NDF:668.7/30
All: 7.097+/-0.238 χ²/NDF: 1091.7/57



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: 136.624+/-0.590 χ^2/NDF:231.6/10

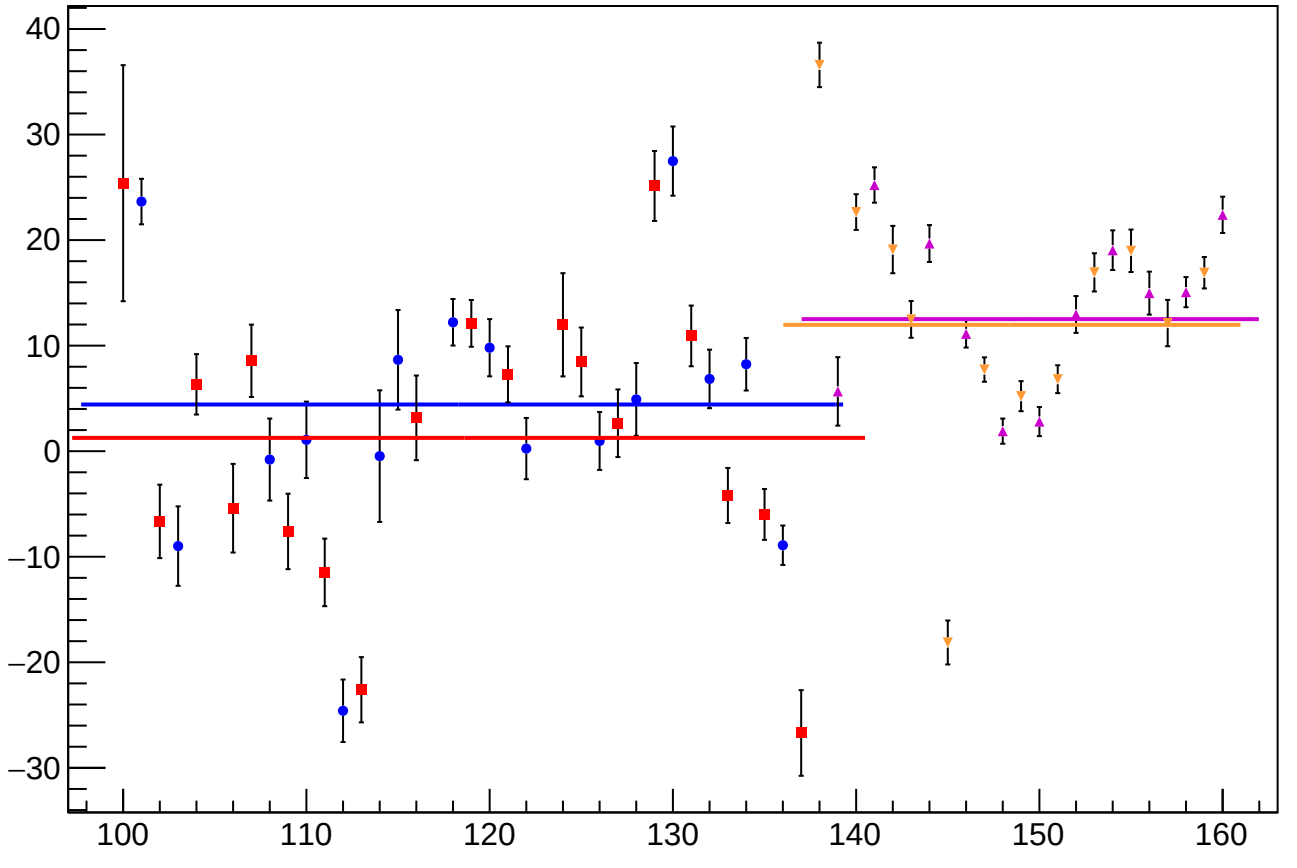
Left: 135.362+/-0.415 χ^2/NDF: 978.5/22

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 144.429+/-0.440 χ^2/NDF:2841.3/26

Out: 144.402+/-0.444 χ^2/NDF:3134.2/30

All: 144.416+/-0.313 χ^2/NDF: 5975.5/57



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: 12.512+/-0.483 χ^2/NDF:258.9/10

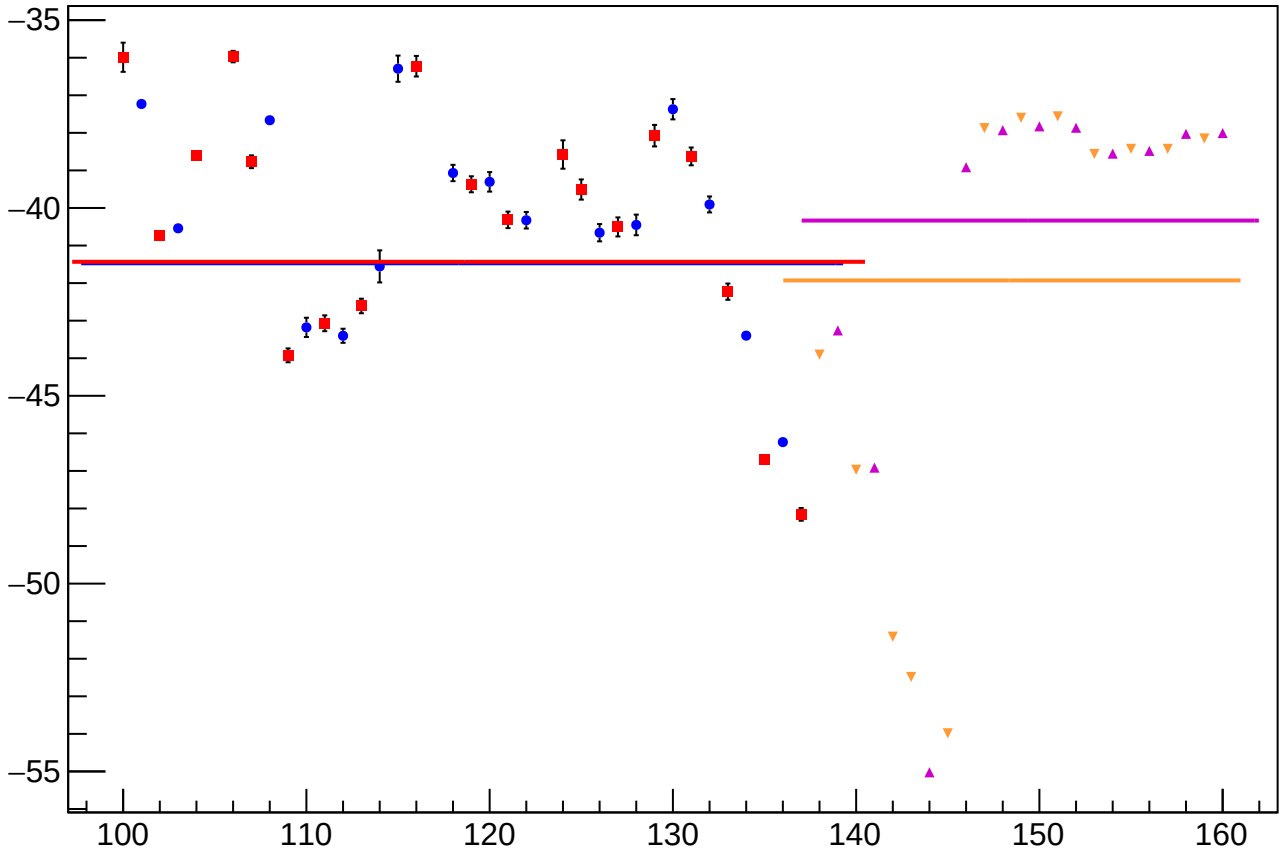
Left: 12.239+/-0.340 χ^2/NDF: 737.0/22

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 9.974+/-0.400 χ^2/NDF:663.0/26

Out: 8.756+/-0.401 χ^2/NDF:892.2/30

All: 9.366+/-0.283 χ^2/NDF: 1559.9/57



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: -40.335+/-0.022 χ^2/NDF:40568.7/10

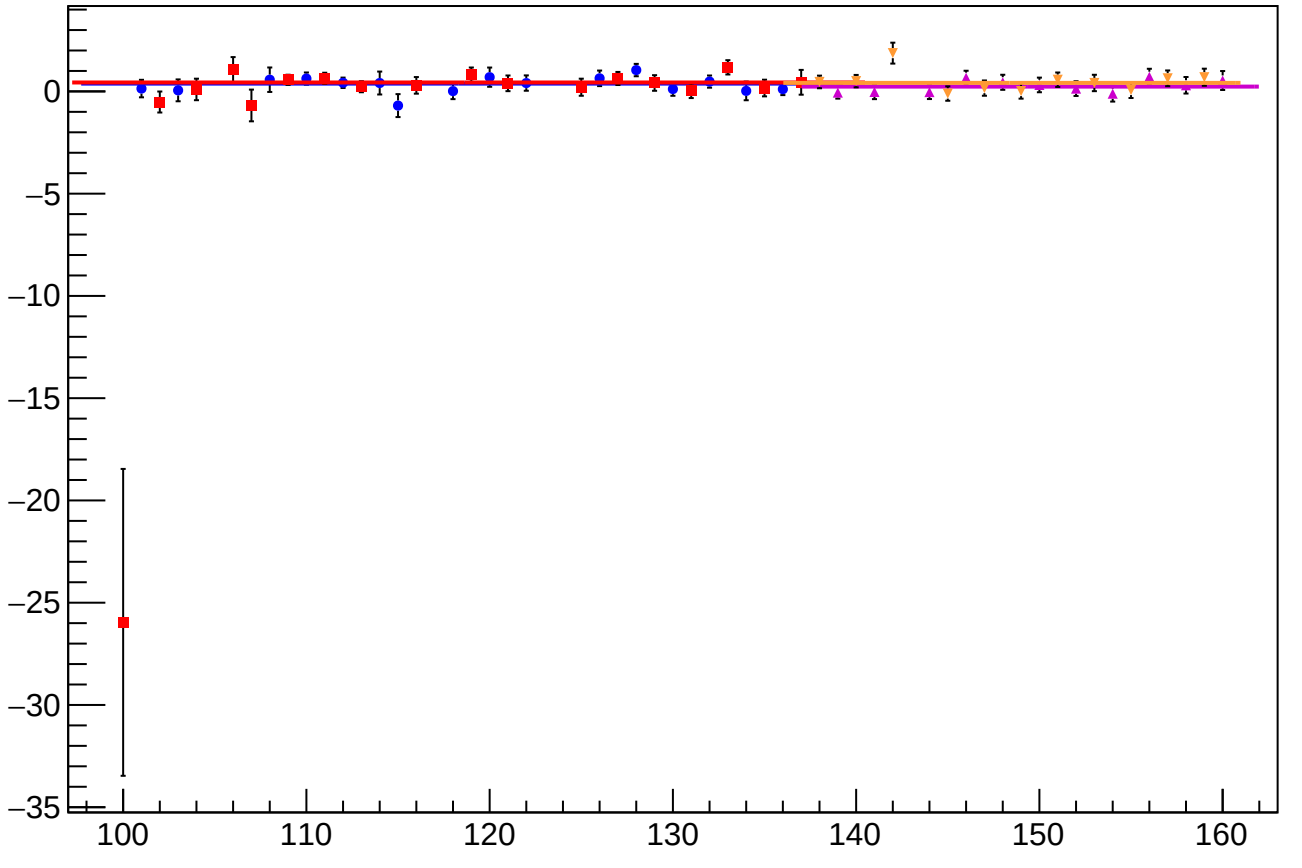
Left: -41.116+/-0.016 χ^2/NDF: 107328.7/22

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.626+/-0.019 χ^2/NDF:49142.6/26

Out: -41.805+/-0.020 χ^2/NDF:72612.5/30

All: -41.202+/-0.014 χ^2/NDF: 123579.1/57



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: 0.235+/-0.109 χ^2/NDF:7.0/10

Left: 0.324+/-0.078 χ^2/NDF: 22.1/21

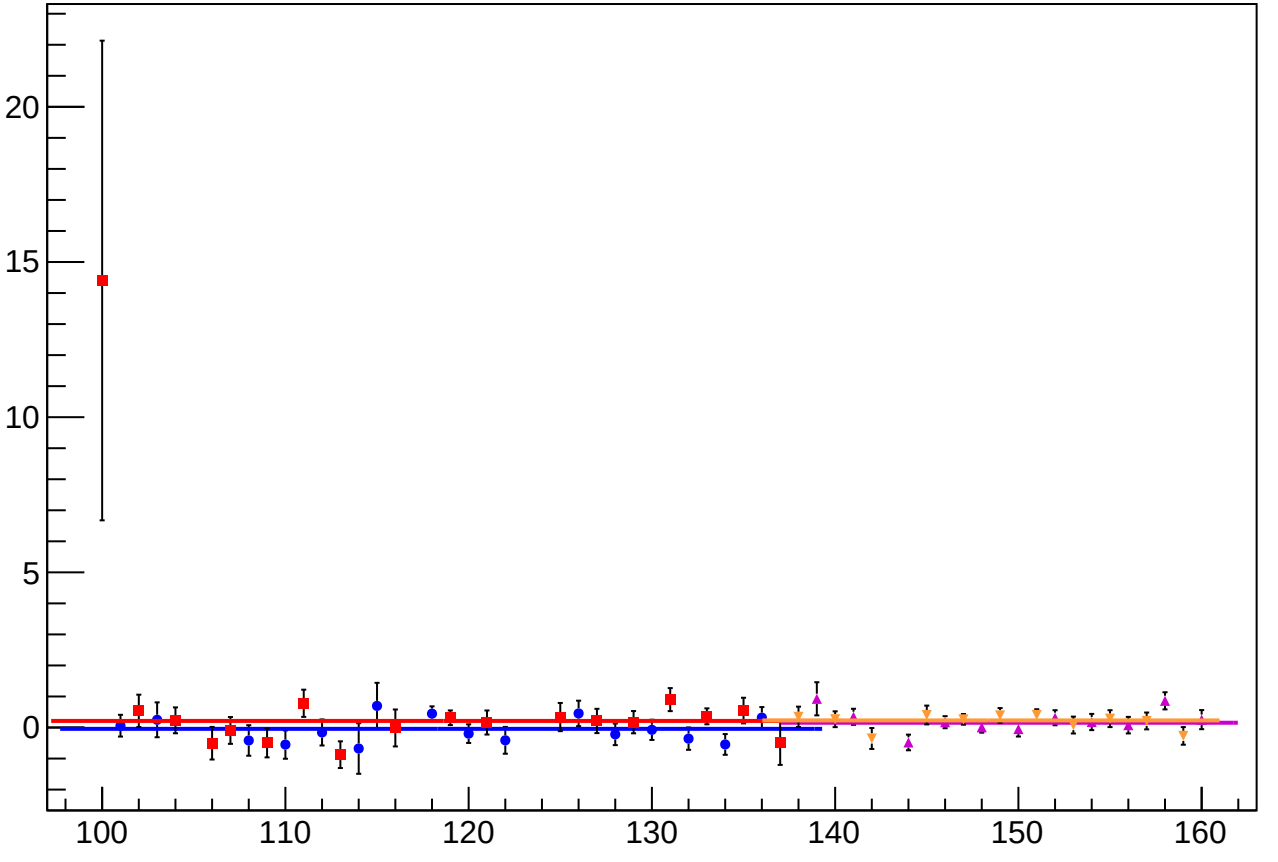
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.321+/-0.070 χ^2/NDF:22.0/26

Out: 0.428+/-0.070 χ^2/NDF:42.8/28

All: 0.375+/-0.050 χ^2/NDF: 66.0/55

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: 0.154+/-0.074 χ^2/NDF:17.6/10

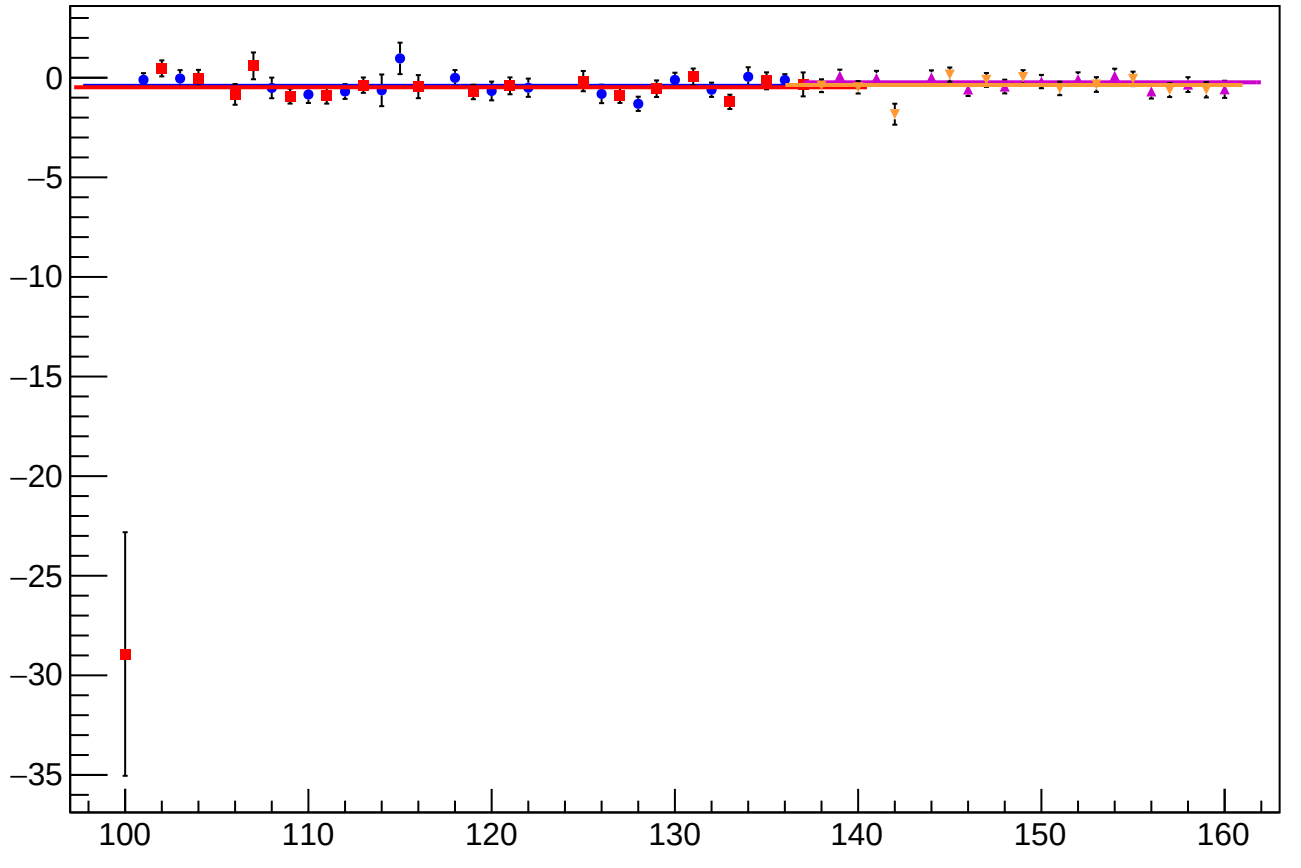
Left: 0.191+/-0.053 χ^2/NDF: 26.4/21

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.078+/-0.058 χ^2/NDF:35.3/26

Out: 0.223+/-0.059 χ^2/NDF:30.7/28

All: 0.150+/-0.041 χ^2/NDF: 69.0/55



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: -0.229+/-0.106 χ^2/NDF:7.0/10

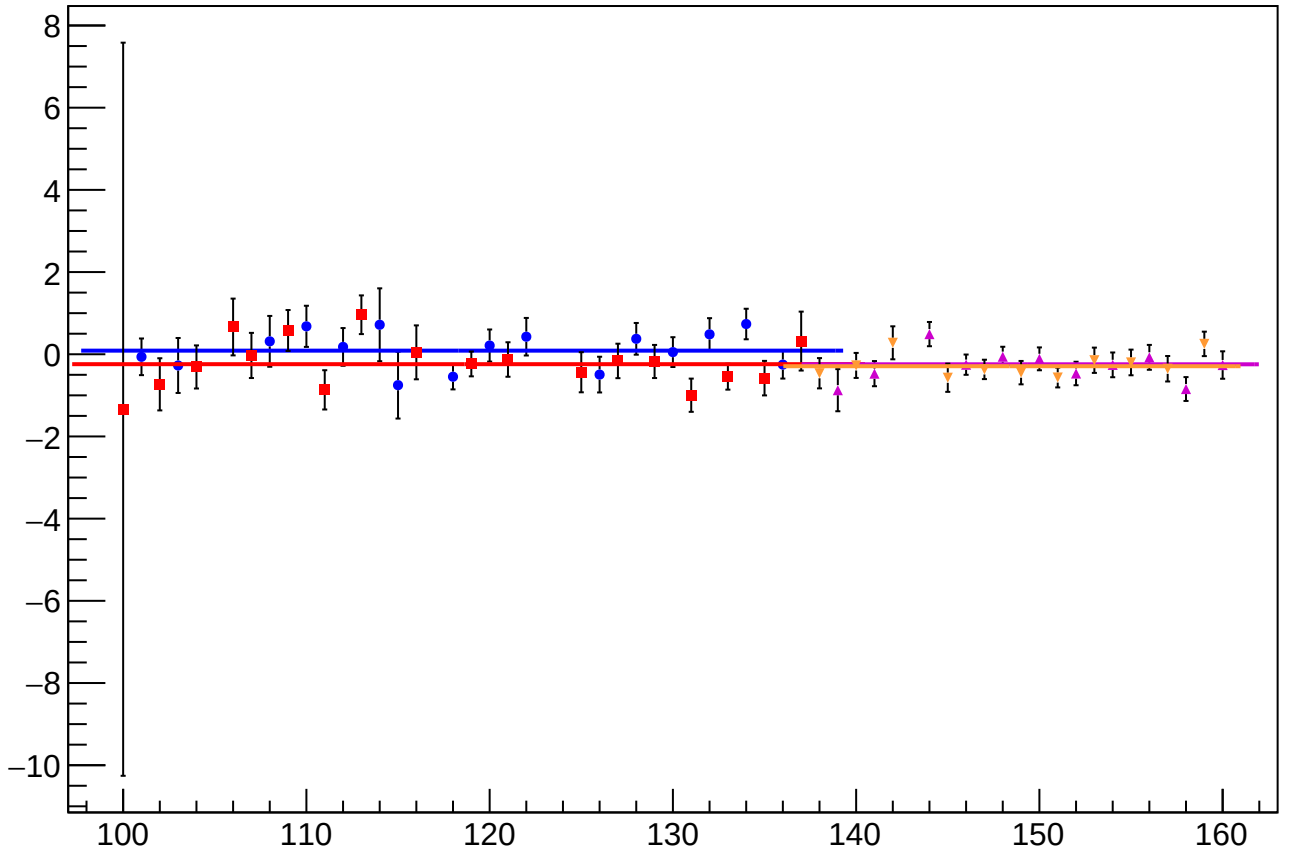
Left: -0.295+/-0.075 χ^2/NDF: 21.5/21

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.320+/-0.074 χ^2/NDF:26.2/26

Out: -0.423+/-0.075 χ^2/NDF:56.5/28

All: -0.370+/-0.053 χ^2/NDF: 83.7/55



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.291+/-0.090 χ^2/NDF:8.3/10

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.244+/-0.089 χ^2/NDF:14.3/10

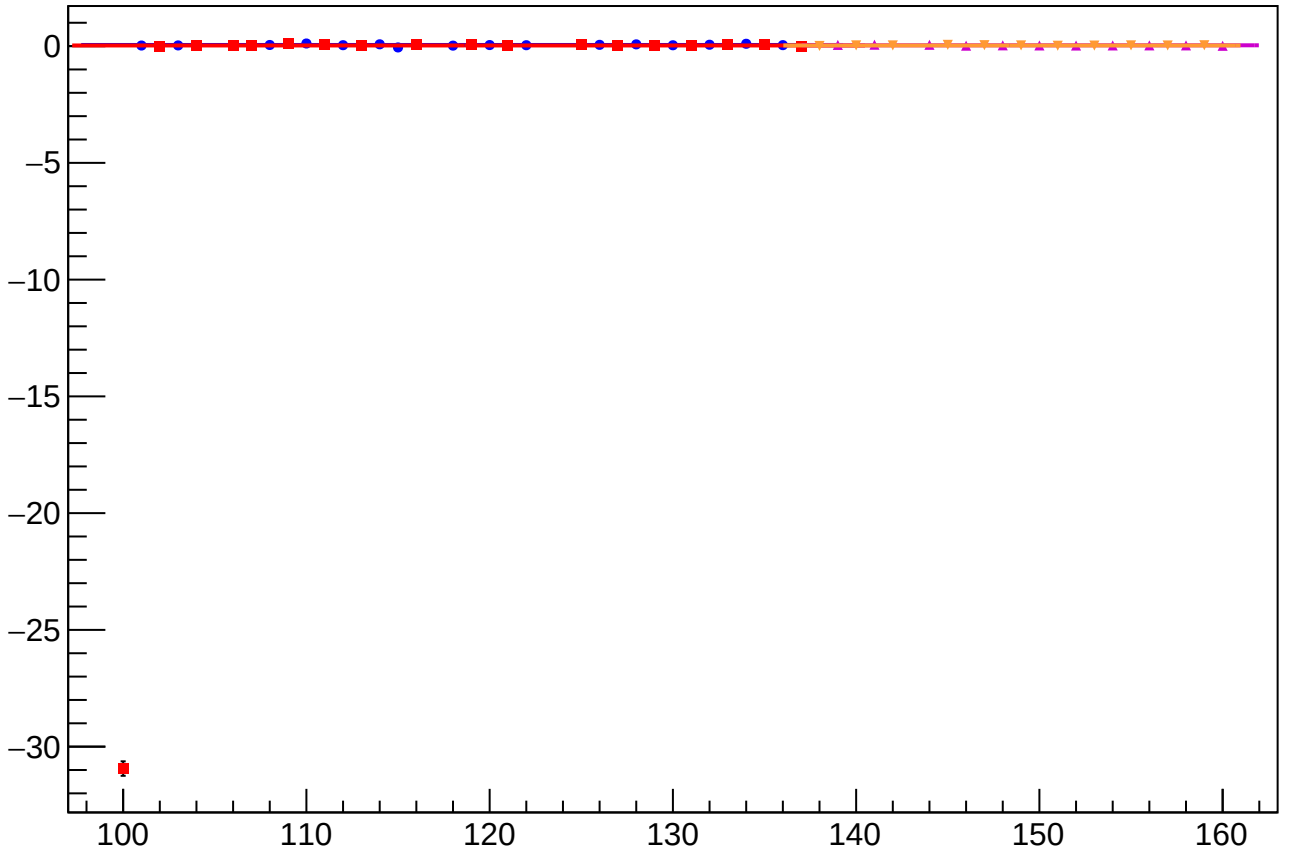
Left: -0.267+/-0.063 χ^2/NDF: 22.7/21

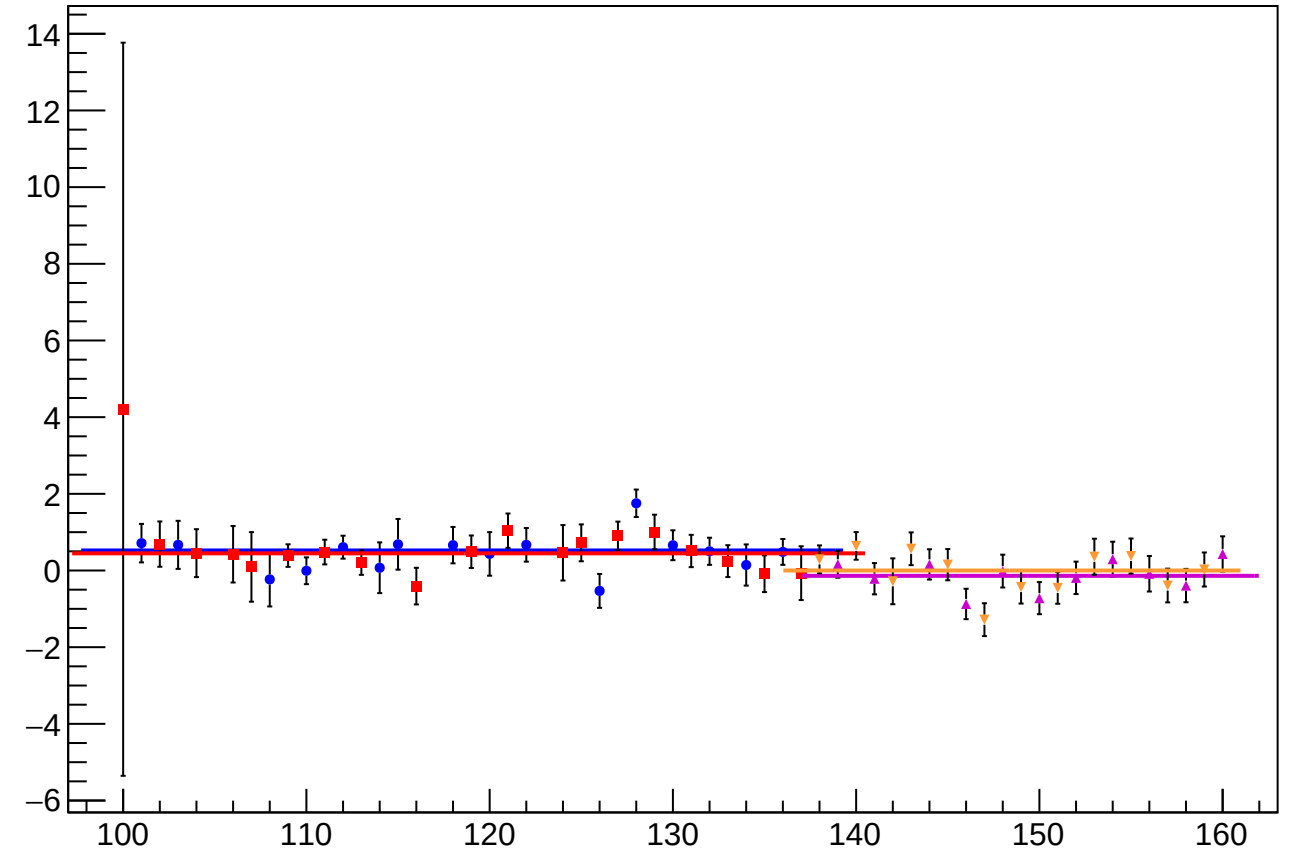
Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.111+/-0.069 χ^2/NDF:35.8/26

Out: -0.271+/-0.070 χ^2/NDF:28.0/28

All: -0.190+/-0.049 χ^2/NDF: 66.5/55


reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: 0.049+/-0.006 χ²/NDF: 19.2/15
Left Out: 0.028+/-0.004 χ²/NDF:8.3/10
Right Out: 0.028+/-0.006 χ²/NDF: 10020.9/17
Left In: 0.035+/-0.004 χ²/NDF:11.9/10
Left: 0.032+/-0.003 χ²/NDF: 21.6/21
Right: 0.038+/-0.004 χ²/NDF: 10045.5/33
In: 0.039+/-0.003 χ²/NDF:34.4/26
Out: 0.028+/-0.003 χ²/NDF:10029.3/28
All: 0.034+/-0.002 χ²/NDF: 10068.6/55



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: -0.139+/-0.126 χ^2/NDF:9.6/10

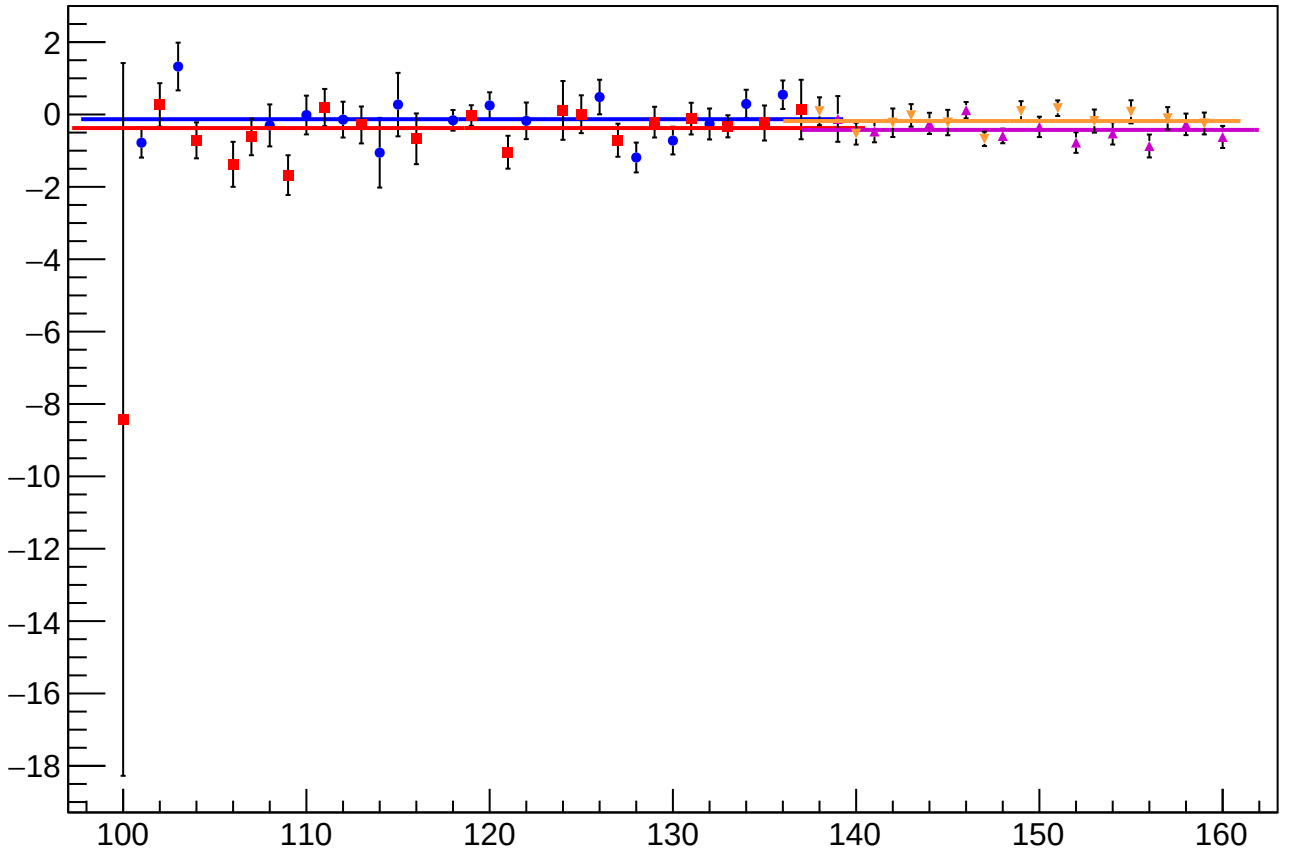
Left: -0.068+/-0.088 χ^2/NDF: 29.4/22

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.240+/-0.082 χ^2/NDF:48.1/26

Out: 0.259+/-0.080 χ^2/NDF:38.2/30

All: 0.250+/-0.057 χ^2/NDF: 86.3/57



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: -0.426+/-0.085 χ^2/NDF:11.5/10

Left: -0.300+/-0.060 χ^2/NDF: 28.6/22

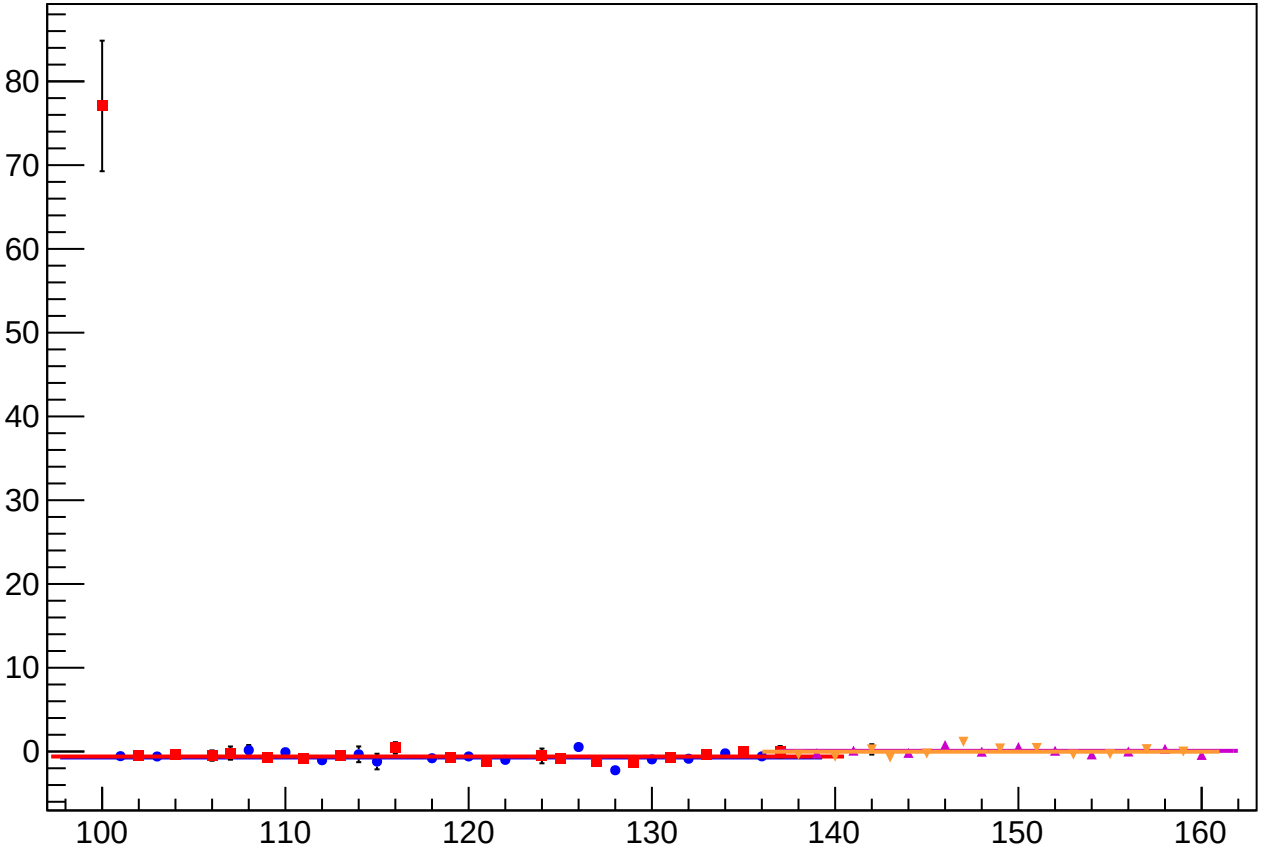
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.316+/-0.068 χ^2/NDF:40.5/26

Out: -0.250+/-0.067 χ^2/NDF:32.9/30

All: -0.283+/-0.048 χ^2/NDF: 74.0/57

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.022+/-0.120 χ^2/NDF:19.1/11

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.080+/-0.121 χ^2/NDF:8.3/10

Left: 0.028+/-0.085 χ^2/NDF: 27.8/22

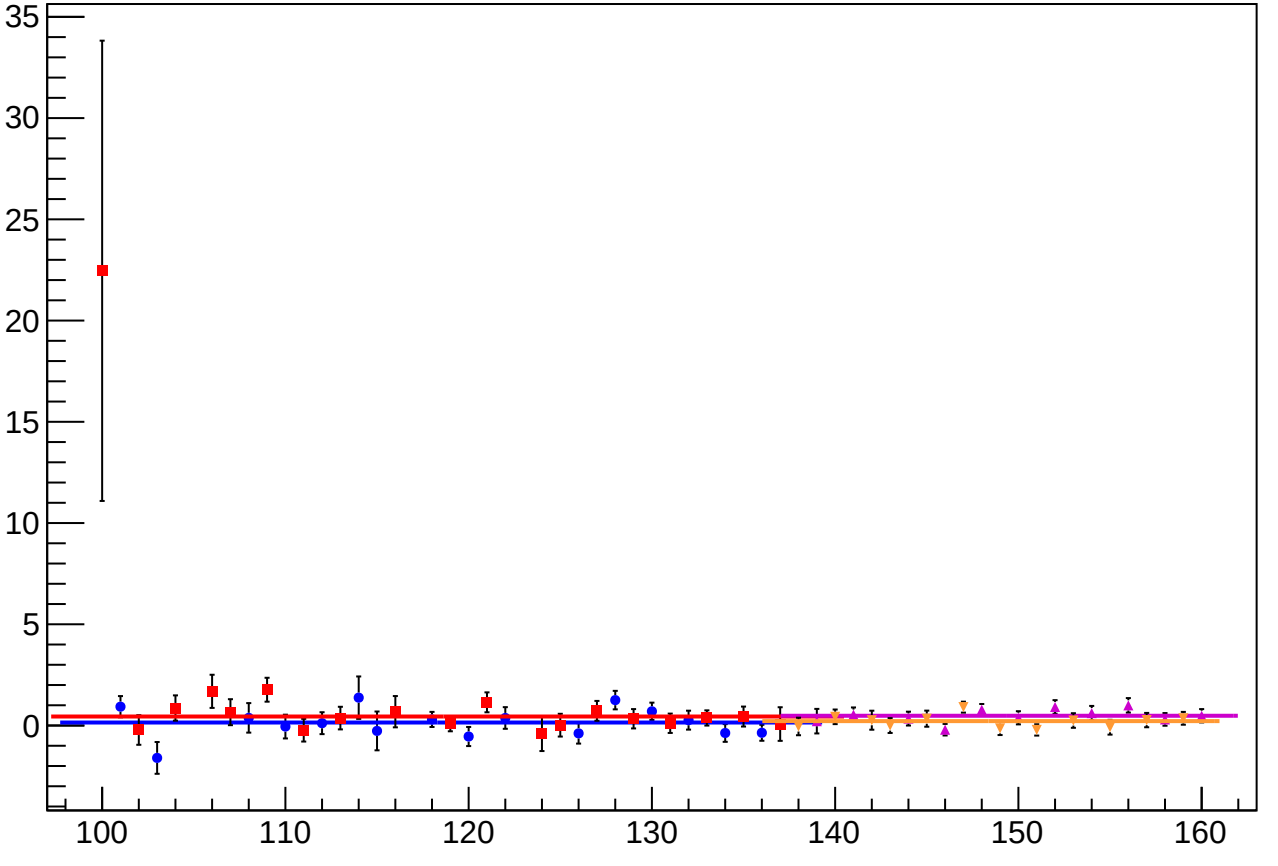
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.315+/-0.086 χ^2/NDF:54.6/26

Out: -0.306+/-0.085 χ^2/NDF:141.4/30

All: -0.310+/-0.061 χ^2/NDF: 196.0/57

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+/-0.101 χ^2/NDF:11.6/10

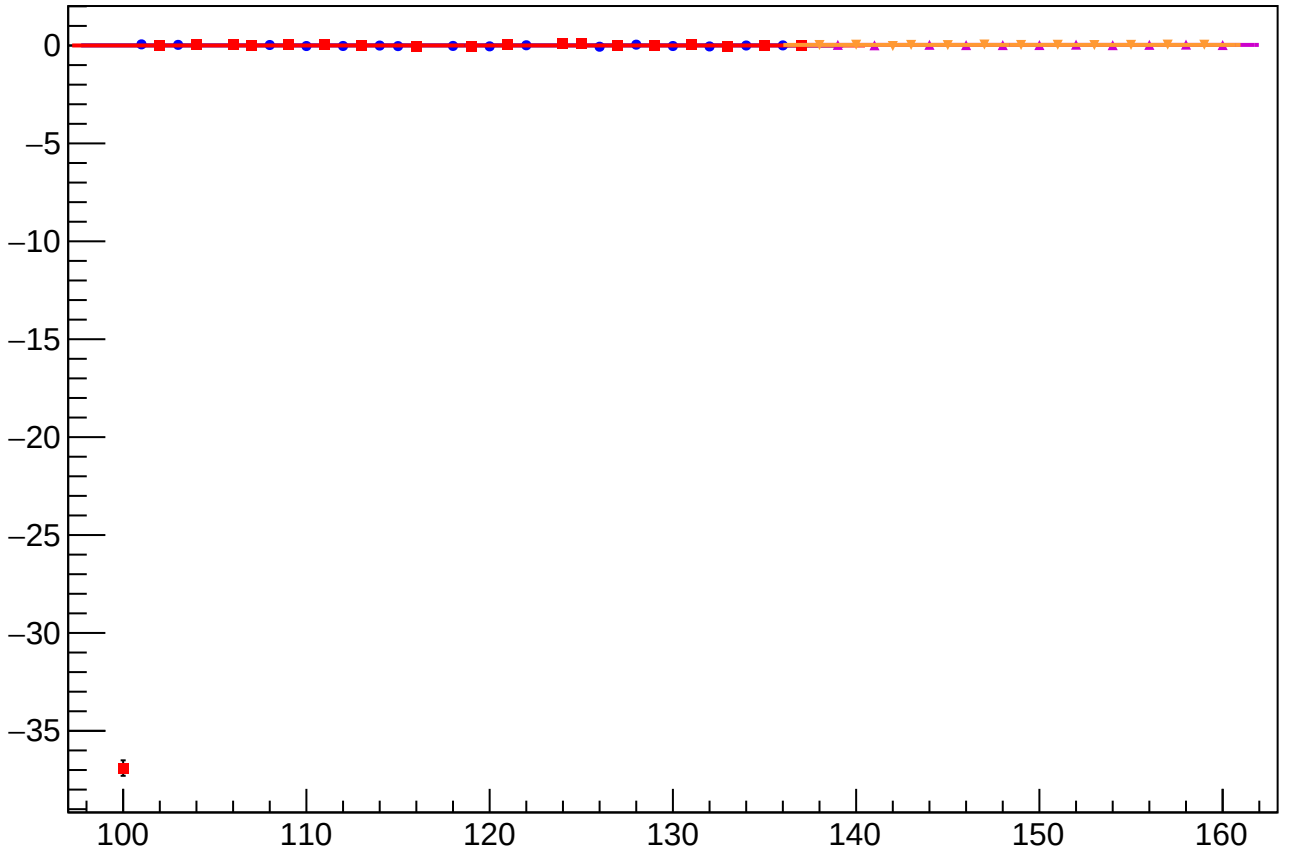
Left: 0.348+/-0.071 χ^2/NDF: 27.3/22

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.353+/-0.079 χ^2/NDF:39.1/26

Out: 0.303+/-0.079 χ^2/NDF:33.8/30

All: 0.328+/-0.056 χ^2/NDF: 73.1/57



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: 0.030+/-0.005 χ^2/NDF:5.2/10

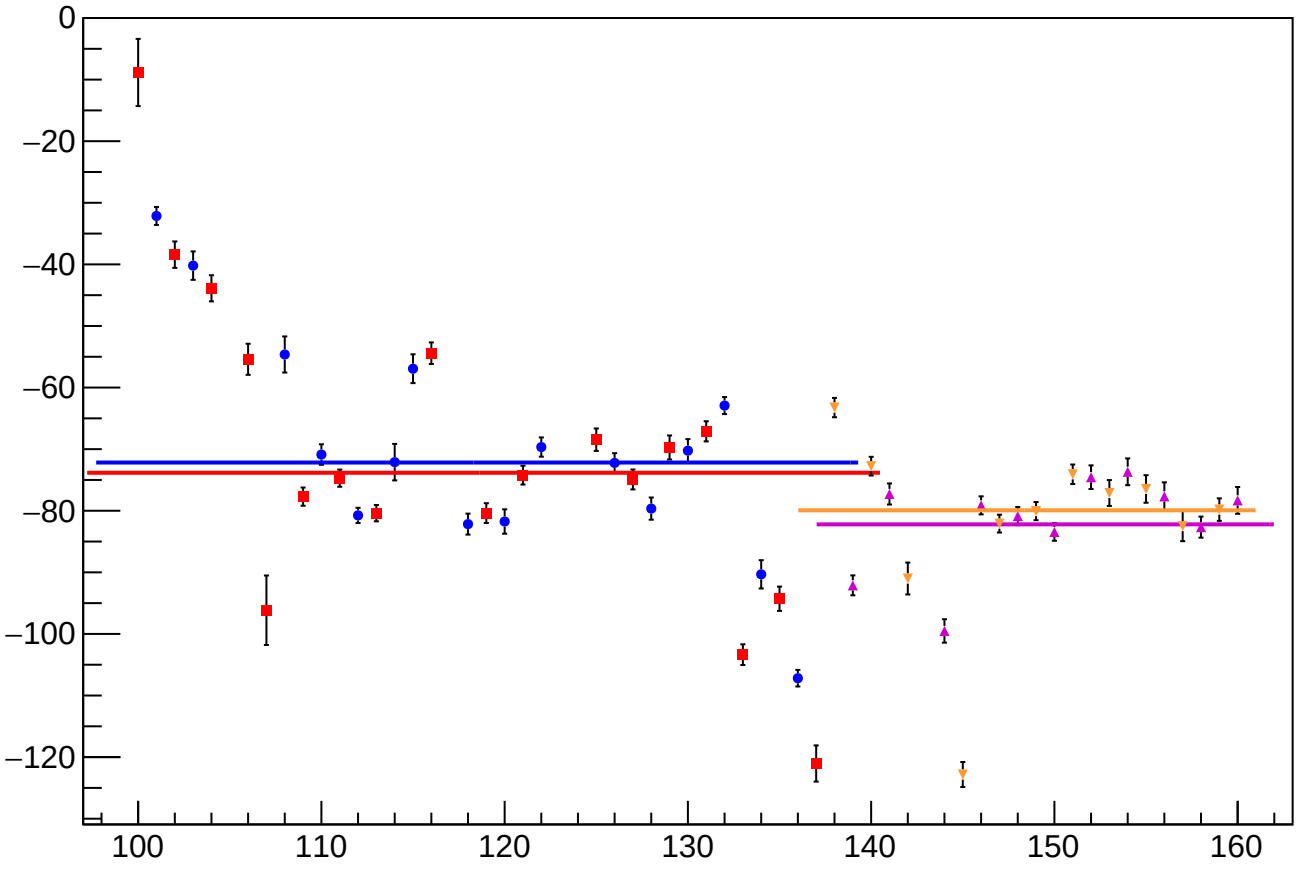
Left: 0.030+/-0.003 χ^2/NDF: 14.5/22

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:30.5/26

Out: 0.023+/-0.004 χ^2/NDF:8773.1/30

All: 0.023+/-0.003 χ^2/NDF: 8803.7/57



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: -82.212+/-0.524 χ^2/NDF:173.1/10

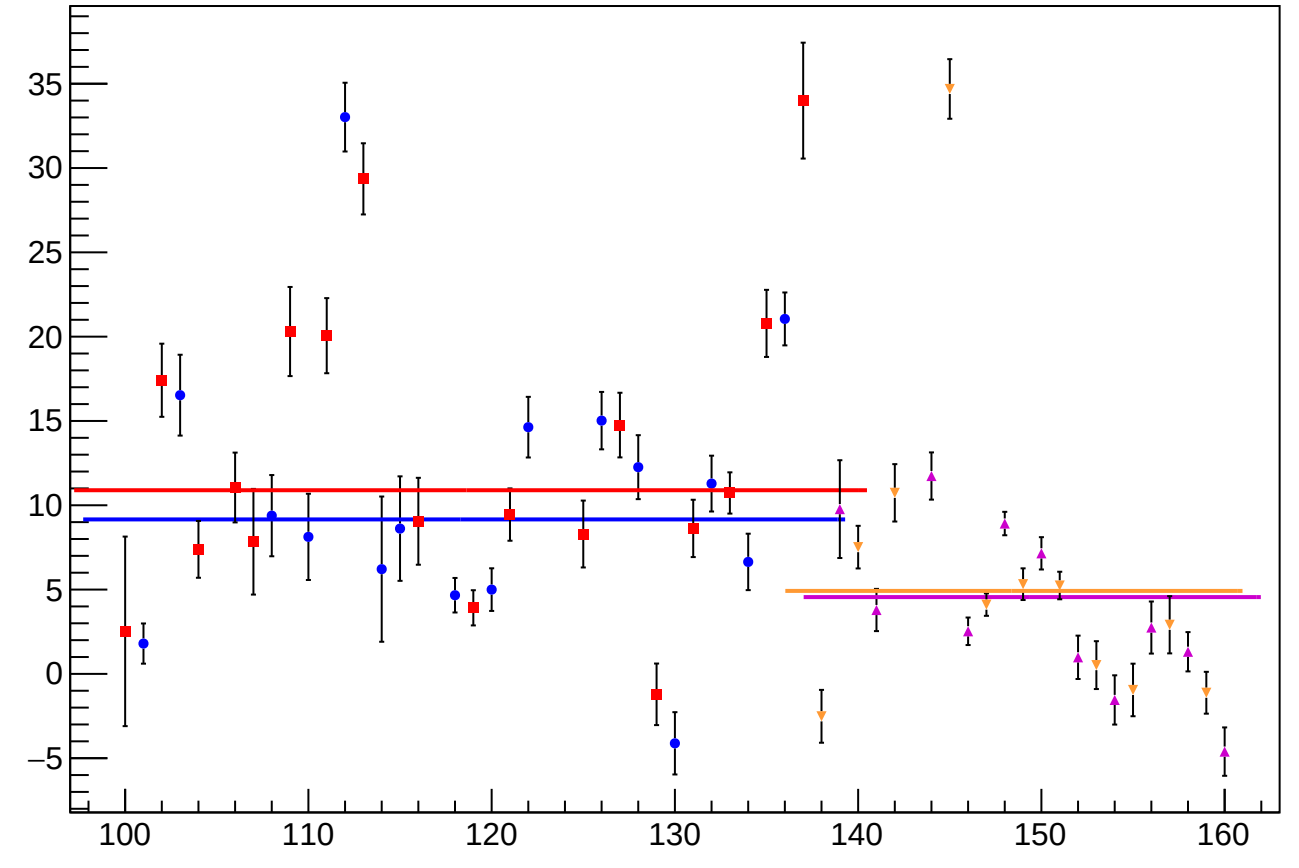
Left: -81.099+/-0.375 χ^2/NDF: 802.6/21

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -76.236+/-0.333 χ^2/NDF:2327.7/26

Out: -76.212+/-0.336 χ^2/NDF:2256.2/28

All: -76.224+/-0.237 χ^2/NDF: 4583.9/55



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: 4.554+/-0.340 χ^2/NDF:157.9/10

Left: 4.736+/-0.242 χ^2/NDF: 531.3/21

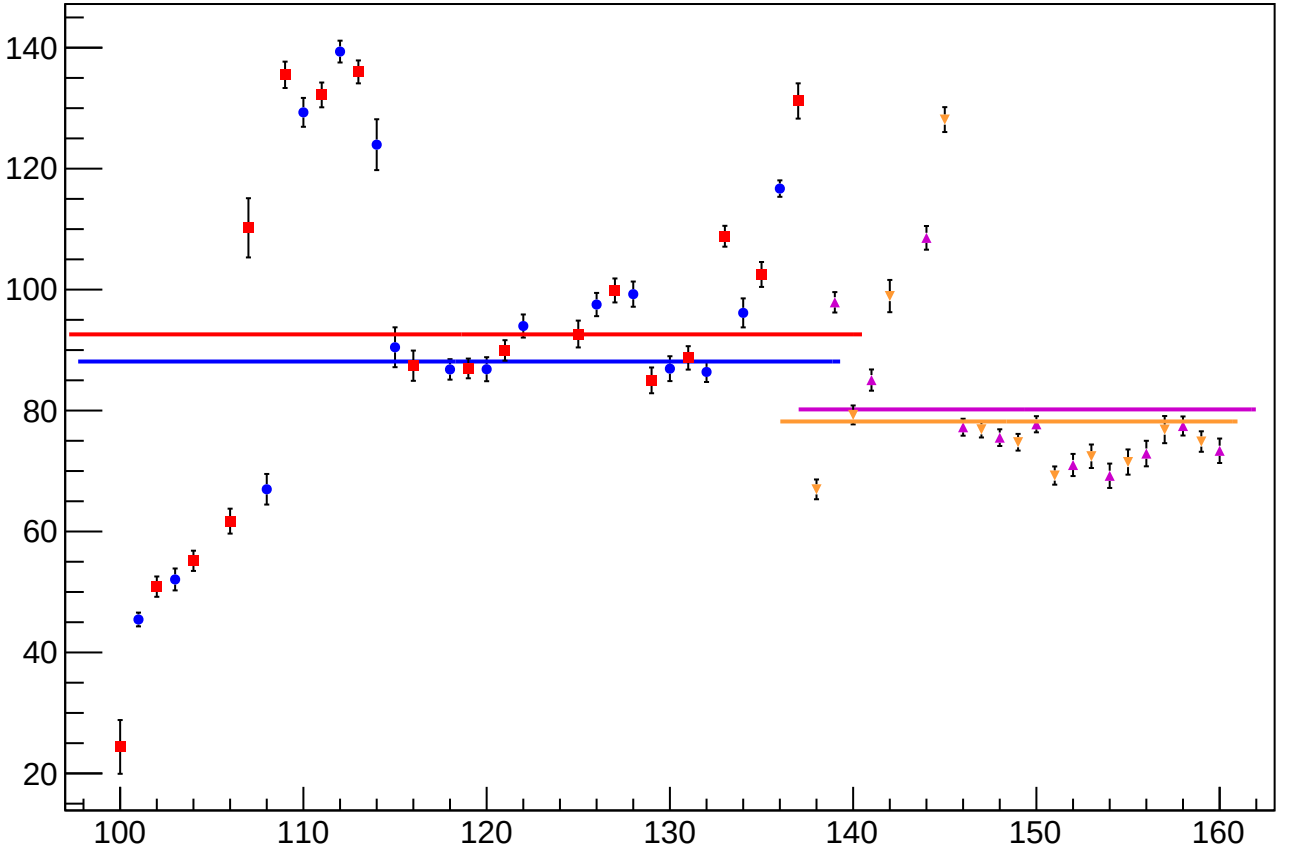
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 6.352+/-0.266 χ^2/NDF:581.6/26

Out: 7.178+/-0.271 χ^2/NDF:777.4/28

All: 6.757+/-0.190 χ^2/NDF: 1363.8/55

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: 80.187+/-0.503 χ^2/NDF:428.2/10

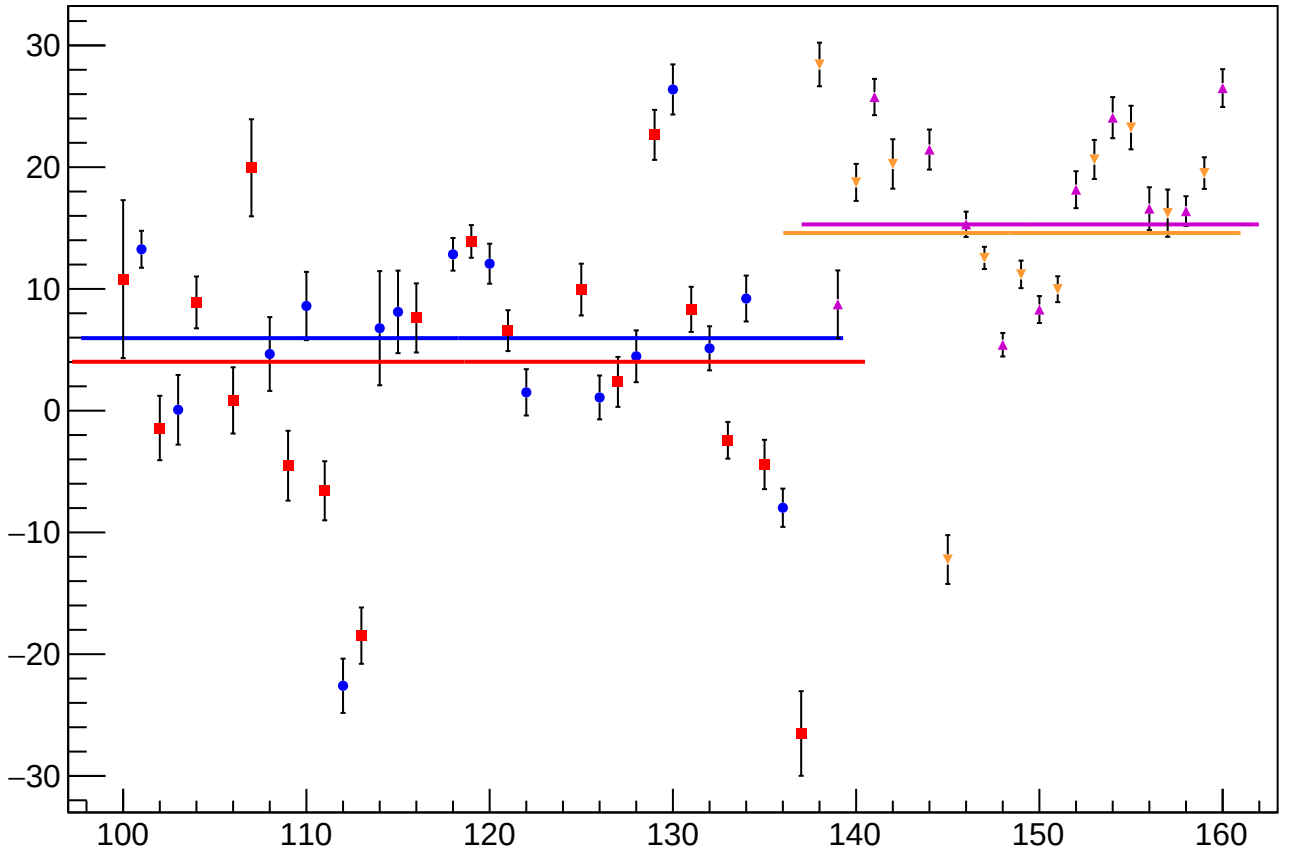
Left: 79.221+/-0.361 χ^2/NDF: 1197.5/21

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 84.430+/-0.343 χ^2/NDF:4122.6/26

Out: 85.907+/-0.354 χ^2/NDF:4385.4/28

All: 85.146+/-0.246 χ^2/NDF: 8517.0/55



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: 15.298+/-0.410 χ^2/NDF:297.2/10

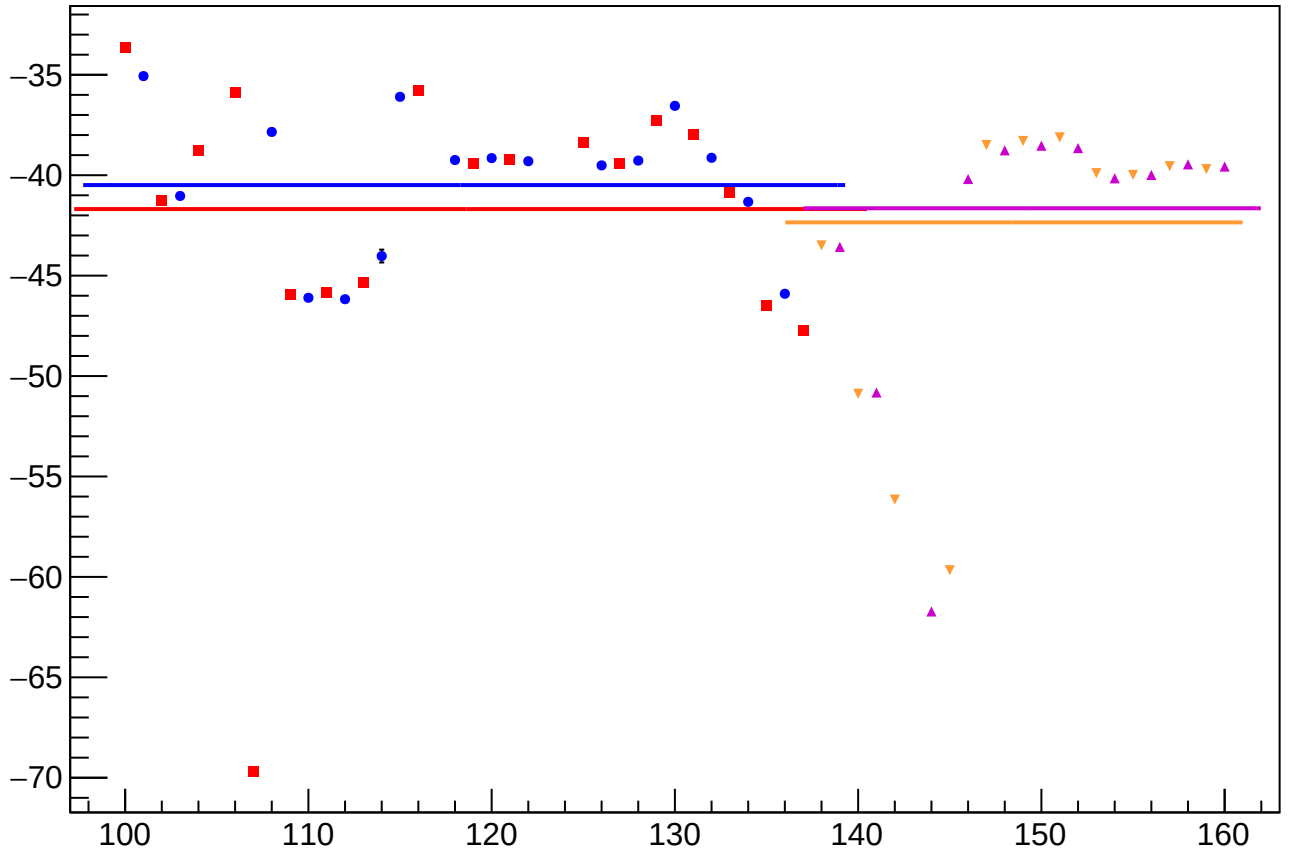
Left: 14.956+/-0.293 χ^2/NDF: 638.0/21

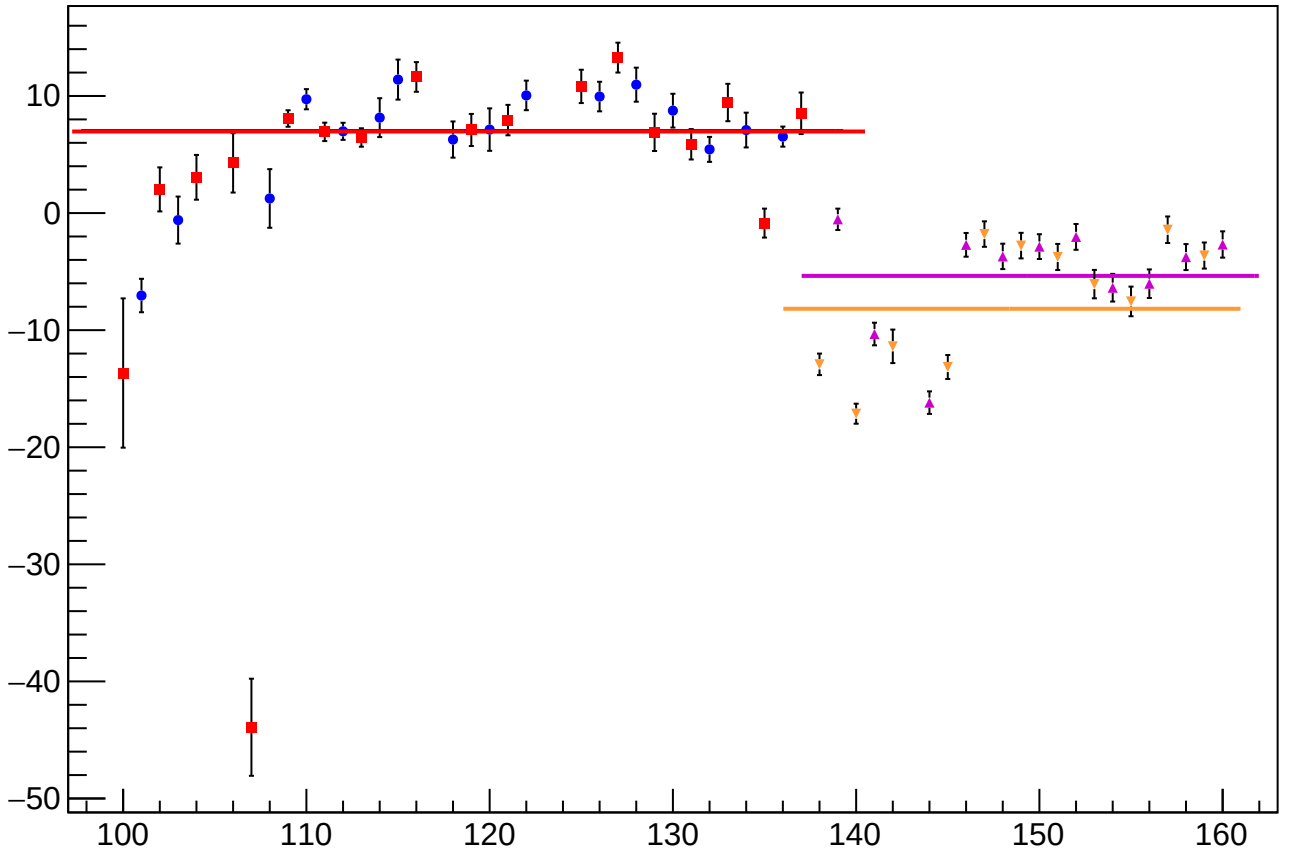
Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 11.495+/-0.316 χ^2/NDF:935.4/26

Out: 10.314+/-0.324 χ^2/NDF:1013.6/28

All: 10.921+/-0.226 χ^2/NDF: 1955.7/55


reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
100
110
120
130
140
150
160
Right In: -40.491+/-0.028 χ²/NDF: 18125.4/15
Left Out: -42.349+/-0.020 χ²/NDF:96600.4/10
Right Out: -41.686+/-0.029 χ²/NDF: 36838.6/17
Left In: -41.646+/-0.019 χ²/NDF:81543.2/10
Left: -41.977+/-0.014 χ²/NDF: 178779.1/21
Right: -41.069+/-0.020 χ²/NDF: 55825.2/33
In: -41.284+/-0.016 χ²/NDF:100811.8/26
Out: -42.134+/-0.017 χ²/NDF:133786.3/28
All: -41.688+/-0.011 χ²/NDF: 235963.6/55



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: -5.365+/-0.318 χ^2/NDF:213.7/10

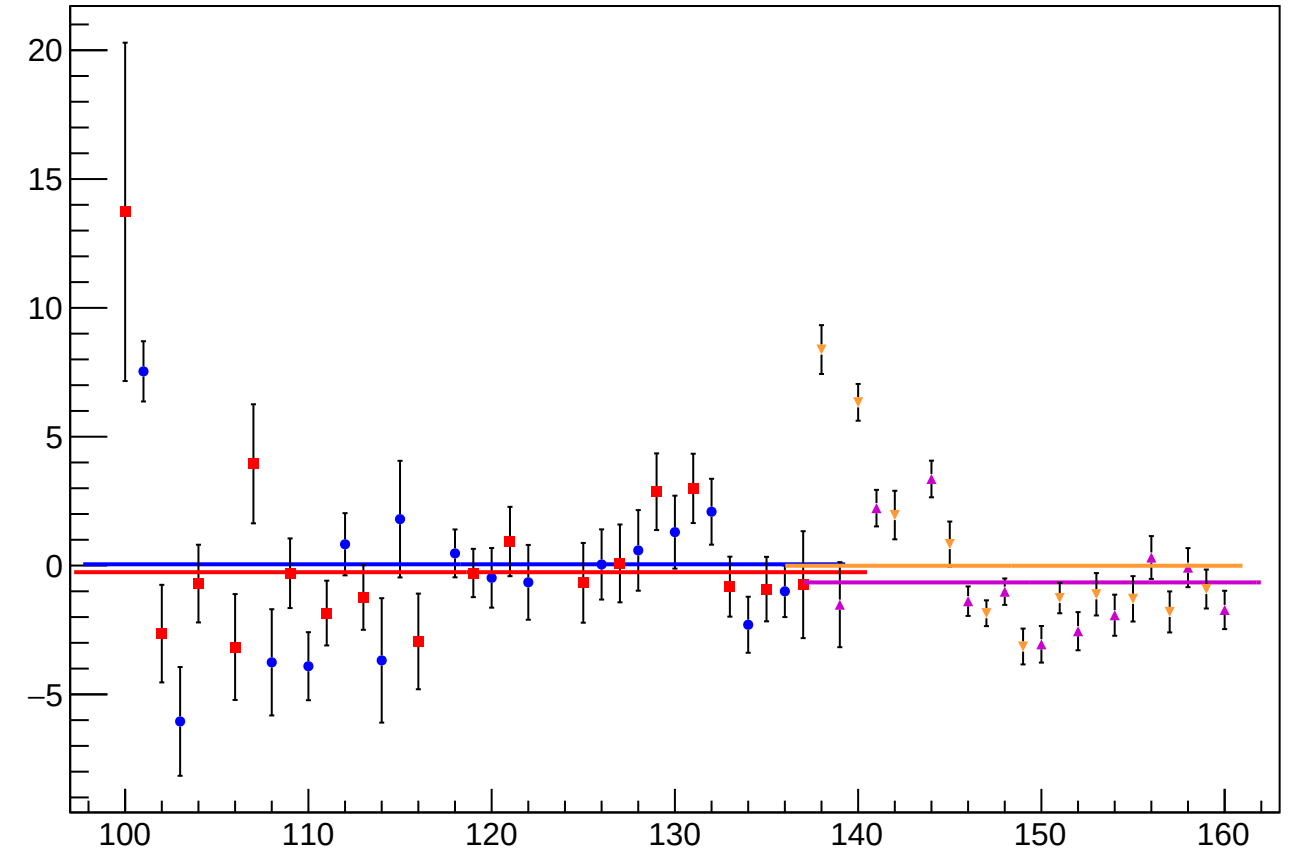
Left: -6.732+/-0.228 χ^2/NDF: 546.9/21

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 0.998+/-0.222 χ^2/NDF:1148.2/26

Out: 0.085+/-0.220 χ^2/NDF:1733.1/28

All: 0.538+/-0.156 χ^2/NDF: 2889.8/55



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: -0.655+/-0.215 χ^2/NDF:75.2/10

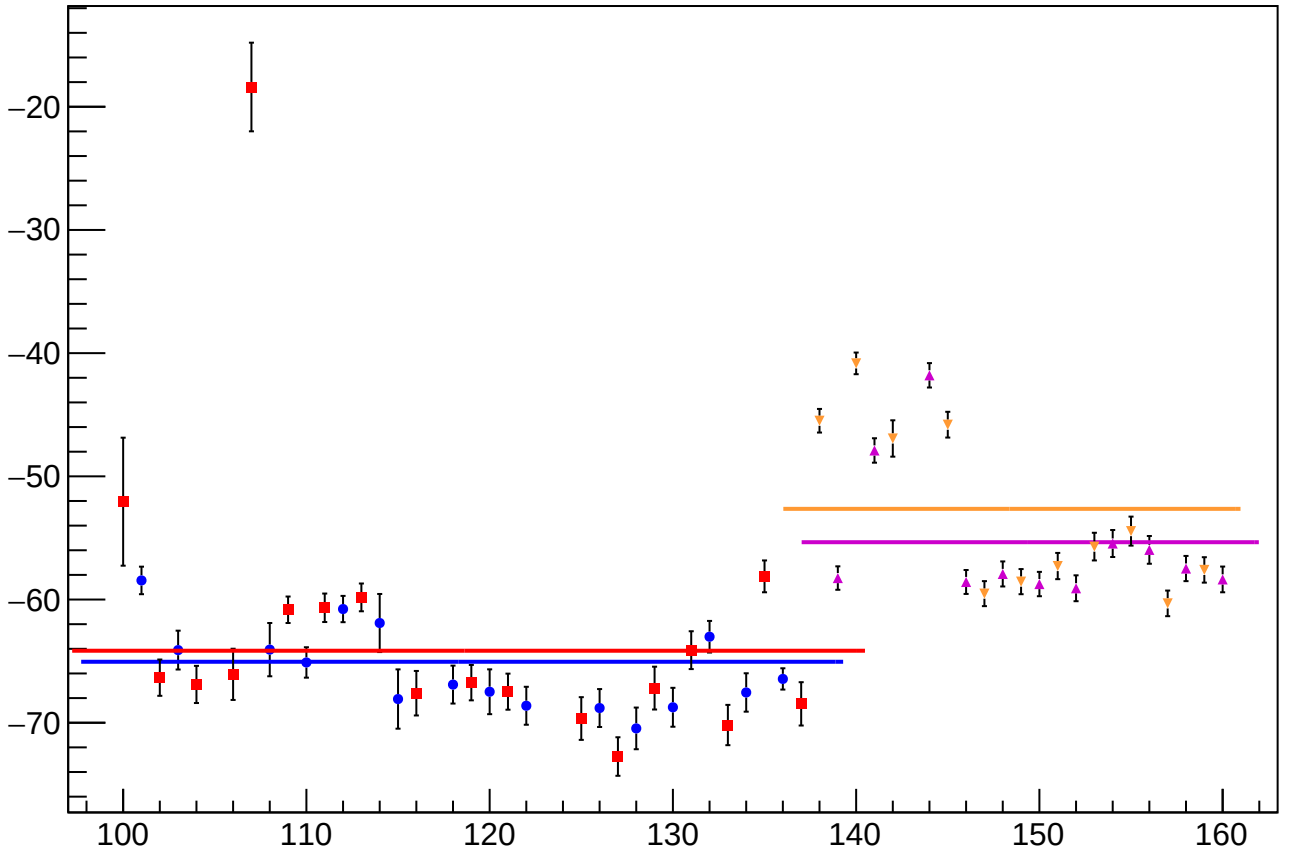
Left: -0.339+/-0.154 χ^2/NDF: 291.0/21

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.446+/-0.181 χ^2/NDF:153.4/26

Out: -0.081+/-0.186 χ^2/NDF:239.3/28

All: -0.269+/-0.130 χ^2/NDF: 394.6/55



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: -55.346+/-0.307 χ^2/NDF:307.9/10

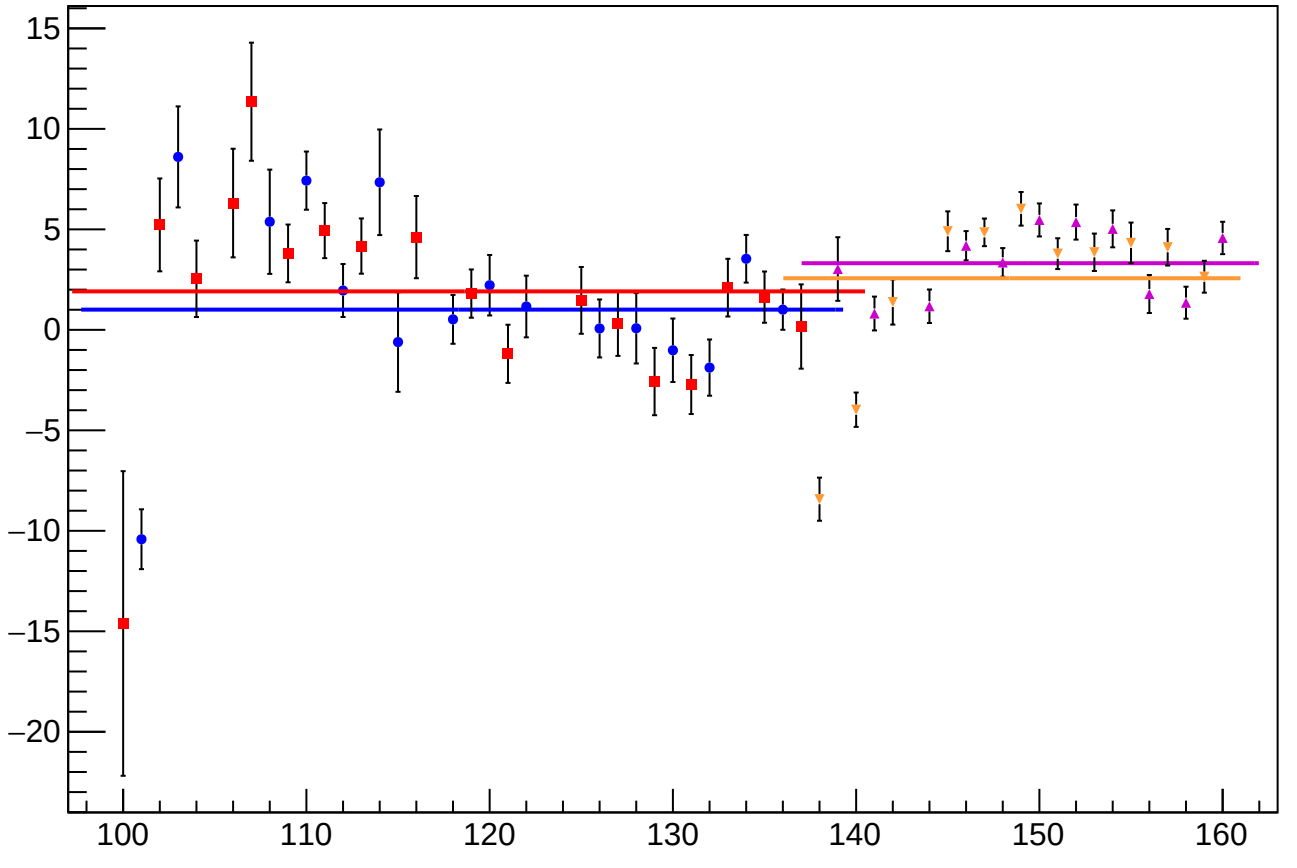
Left: -54.035+/-0.221 χ^2/NDF: 825.2/21

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -59.516+/-0.232 χ^2/NDF:829.3/26

Out: -57.662+/-0.238 χ^2/NDF:1359.0/28

All: -58.613+/-0.166 χ^2/NDF: 2219.4/55



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.567+/-0.265 χ^2/NDF:208.9/10

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 3.316+/-0.255 χ^2/NDF:43.9/10

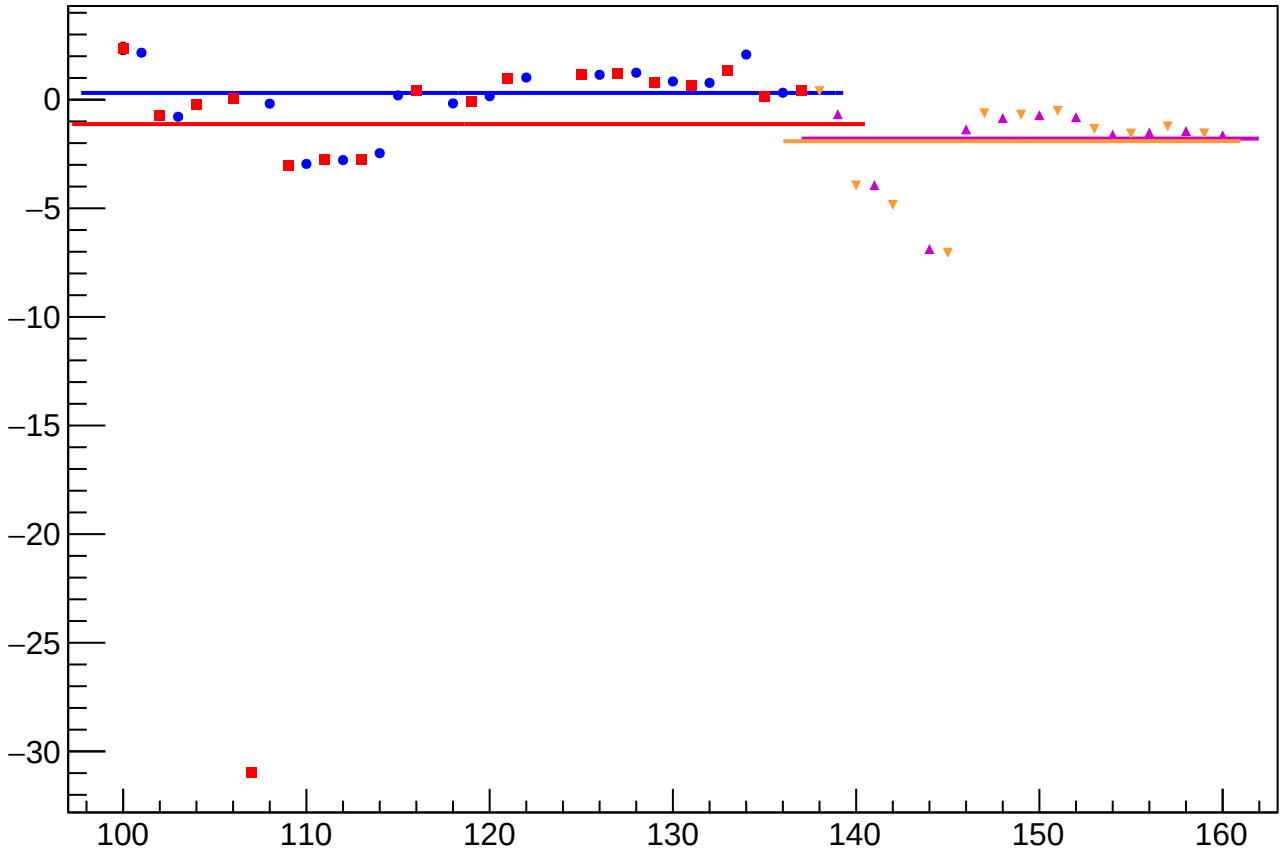
Left: 2.955+/-0.184 χ^2/NDF: 256.9/21

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 2.586+/-0.211 χ^2/NDF:179.0/26

Out: 2.360+/-0.219 χ^2/NDF:265.3/28

All: 2.477+/-0.152 χ^2/NDF: 444.8/55



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: -1.791+/-0.012 χ^2/NDF:19315.9/10

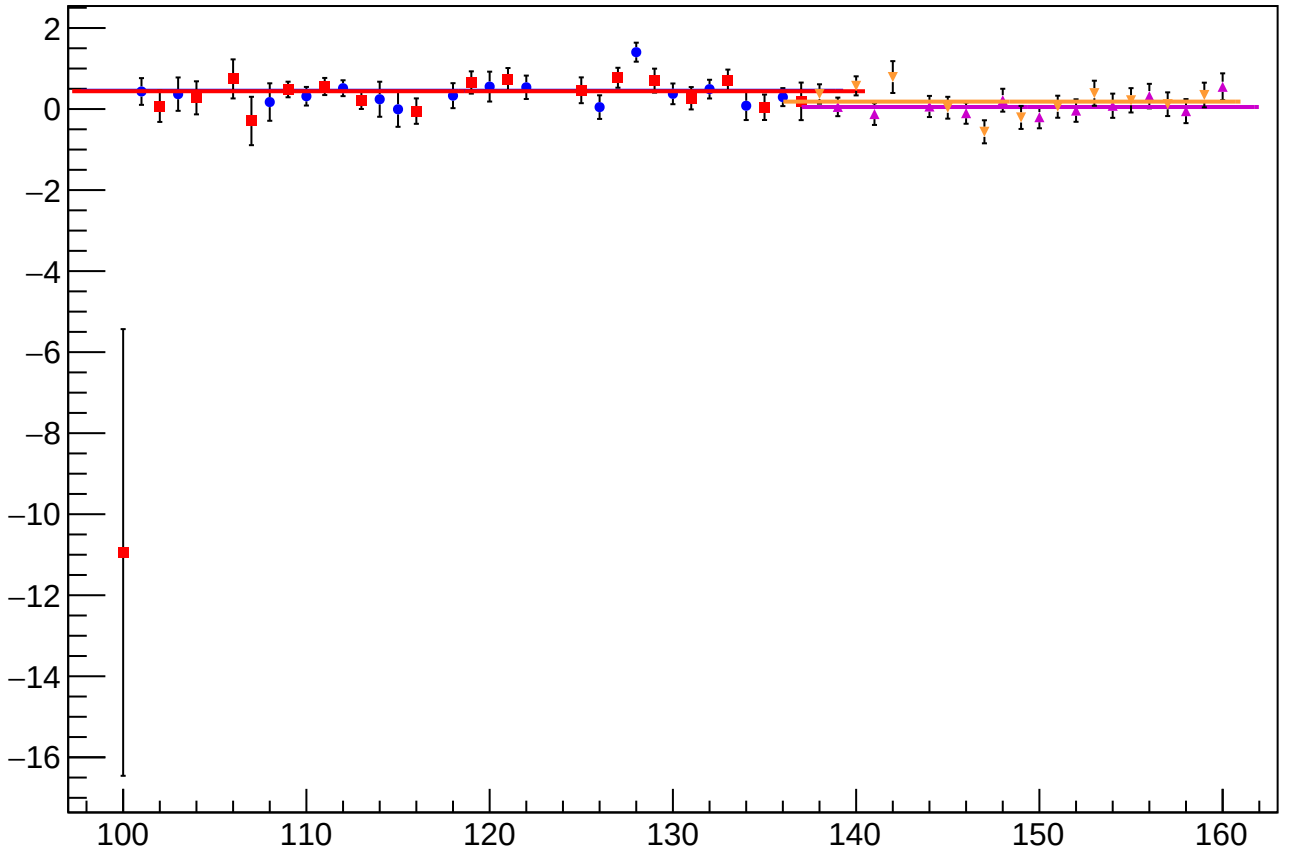
Left: -1.847+/-0.008 χ^2/NDF: 47199.3/21

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.306+/-0.010 χ^2/NDF:31820.0/26

Out: -1.729+/-0.011 χ^2/NDF:75144.7/28

All: -1.507+/-0.007 χ^2/NDF: 107794.6/55



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: 0.050+/-0.083 χ^2/NDF:5.2/10

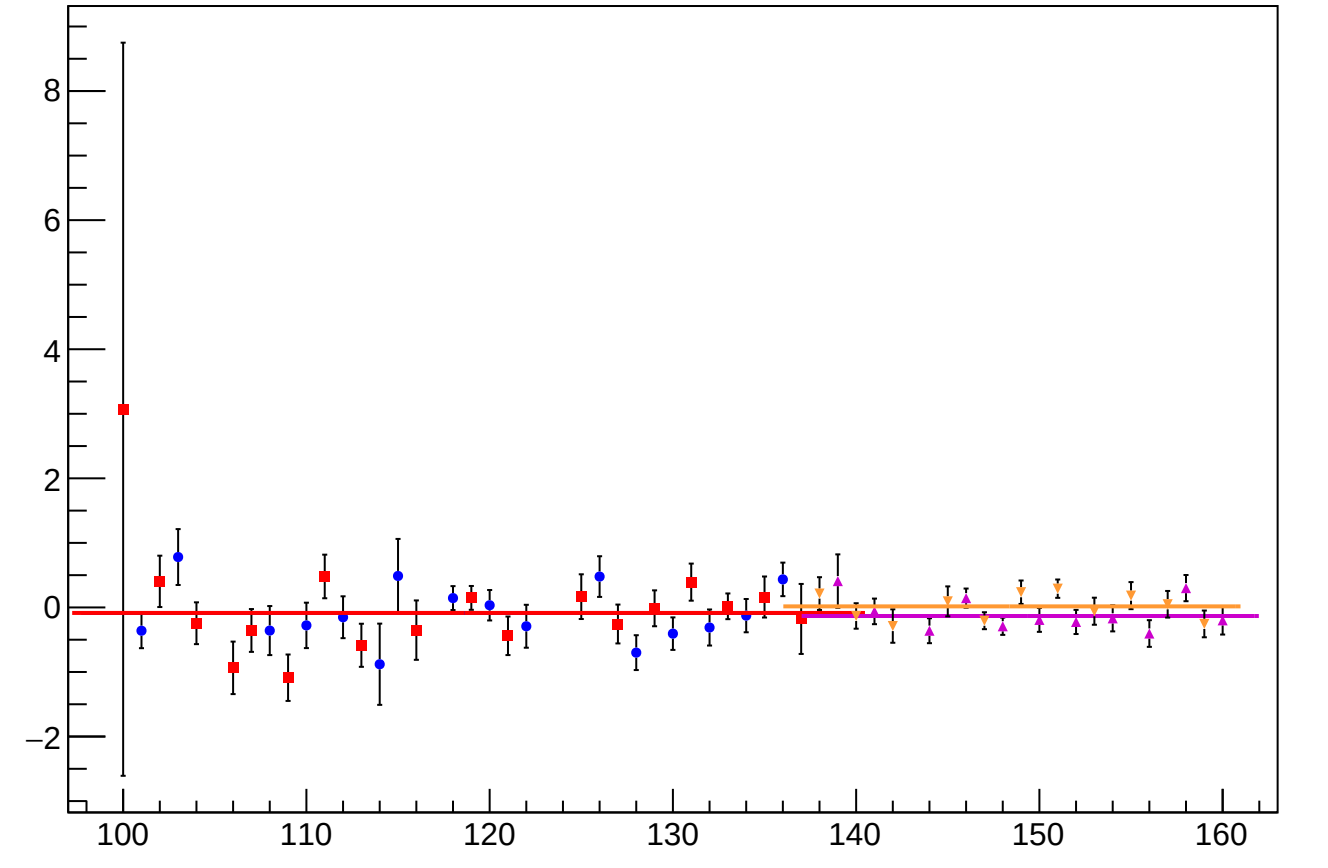
Left: 0.116+/-0.060 χ^2/NDF: 22.3/21

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.283+/-0.054 χ^2/NDF:41.3/26

Out: 0.337+/-0.054 χ^2/NDF:39.8/28

All: 0.310+/-0.038 χ^2/NDF: 81.6/55



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: -0.133+/-0.057 χ^2/NDF:14.9/10

Left: -0.059+/-0.040 χ^2/NDF: 31.5/21

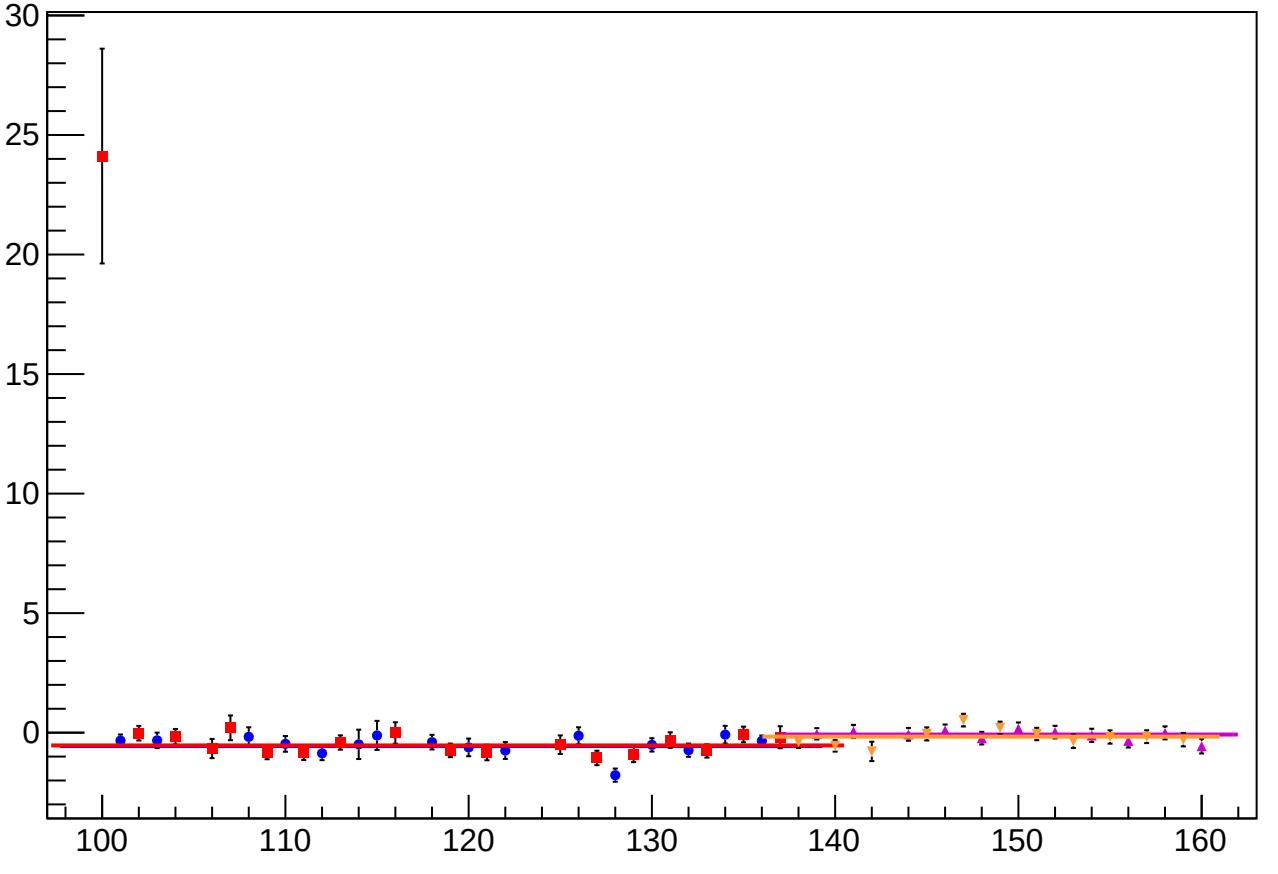
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.115+/-0.045 χ^2/NDF:40.5/26

Out: -0.022+/-0.045 χ^2/NDF:42.3/28

All: -0.069+/-0.032 χ^2/NDF: 84.9/55

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: -0.078+/-0.081 χ^2/NDF:5.5/10

Left: -0.121+/-0.058 χ^2/NDF: 21.4/21

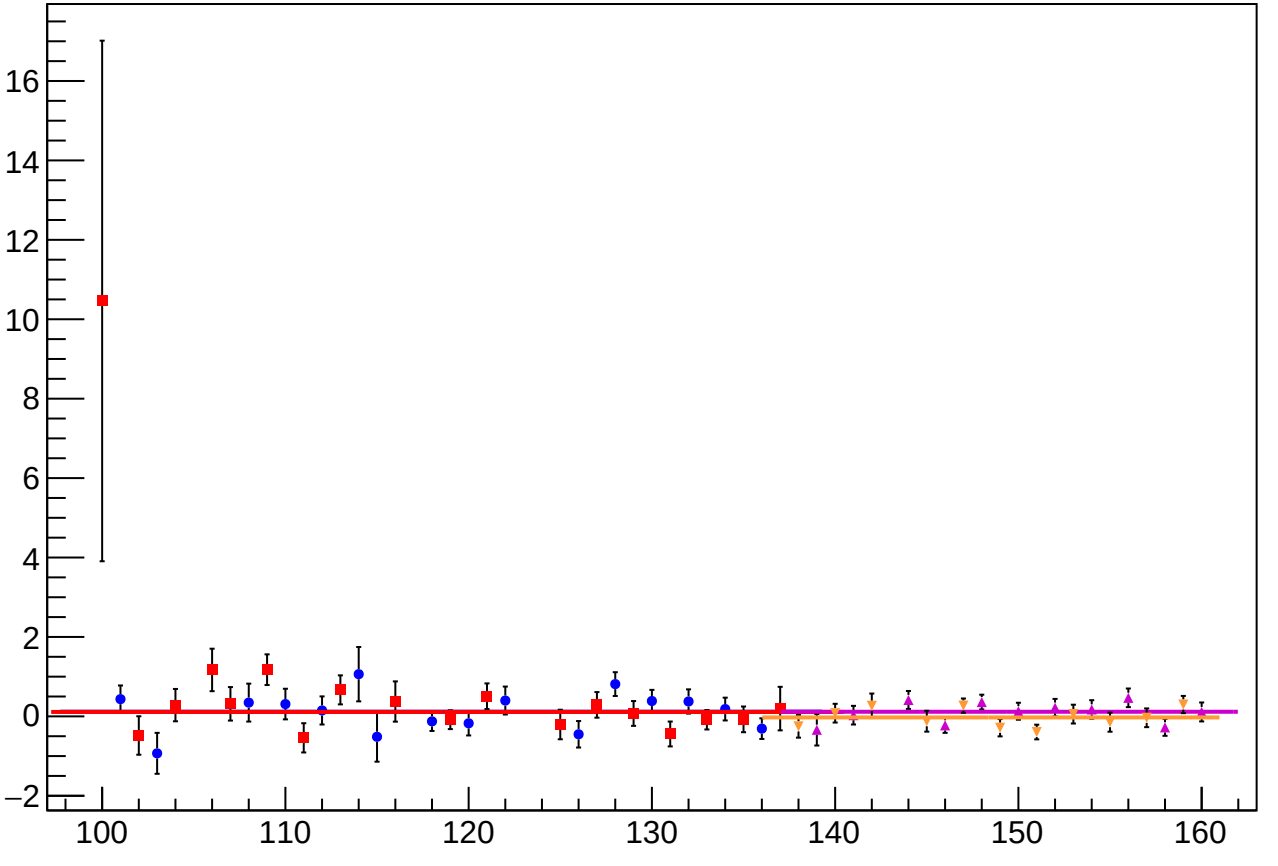
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.321+/-0.057 χ^2/NDF:51.8/26

Out: -0.354+/-0.058 χ^2/NDF:74.7/28

All: -0.337+/-0.040 χ^2/NDF: 126.6/55

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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+/-0.067 χ^2/NDF:14.1/10

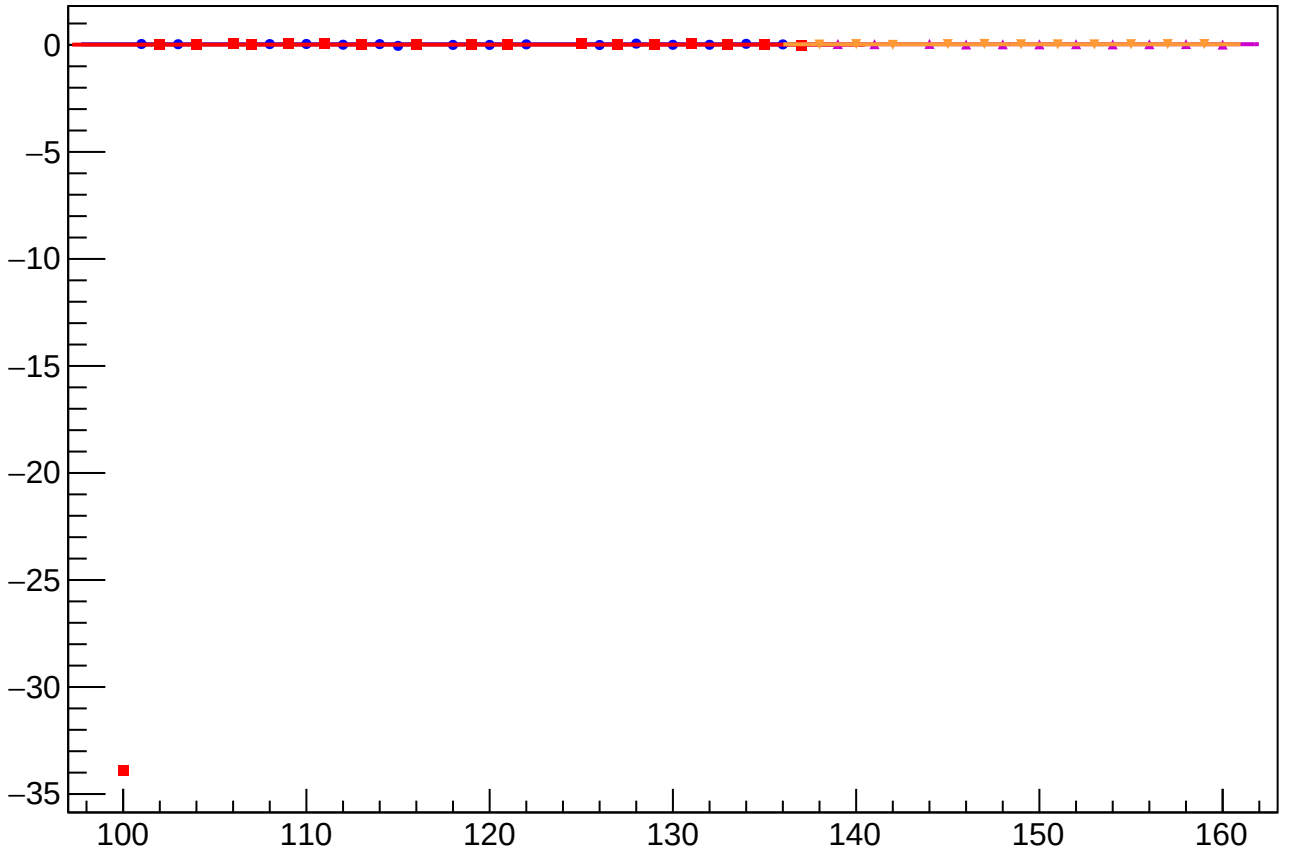
Left: 0.046+/-0.048 χ^2/NDF: 28.9/21

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.117+/-0.053 χ^2/NDF:37.8/26

Out: 0.028+/-0.053 χ^2/NDF:43.2/28

All: 0.073+/-0.037 χ^2/NDF: 82.3/55



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: 0.032+/-0.003 χ^2/NDF:8.3/10

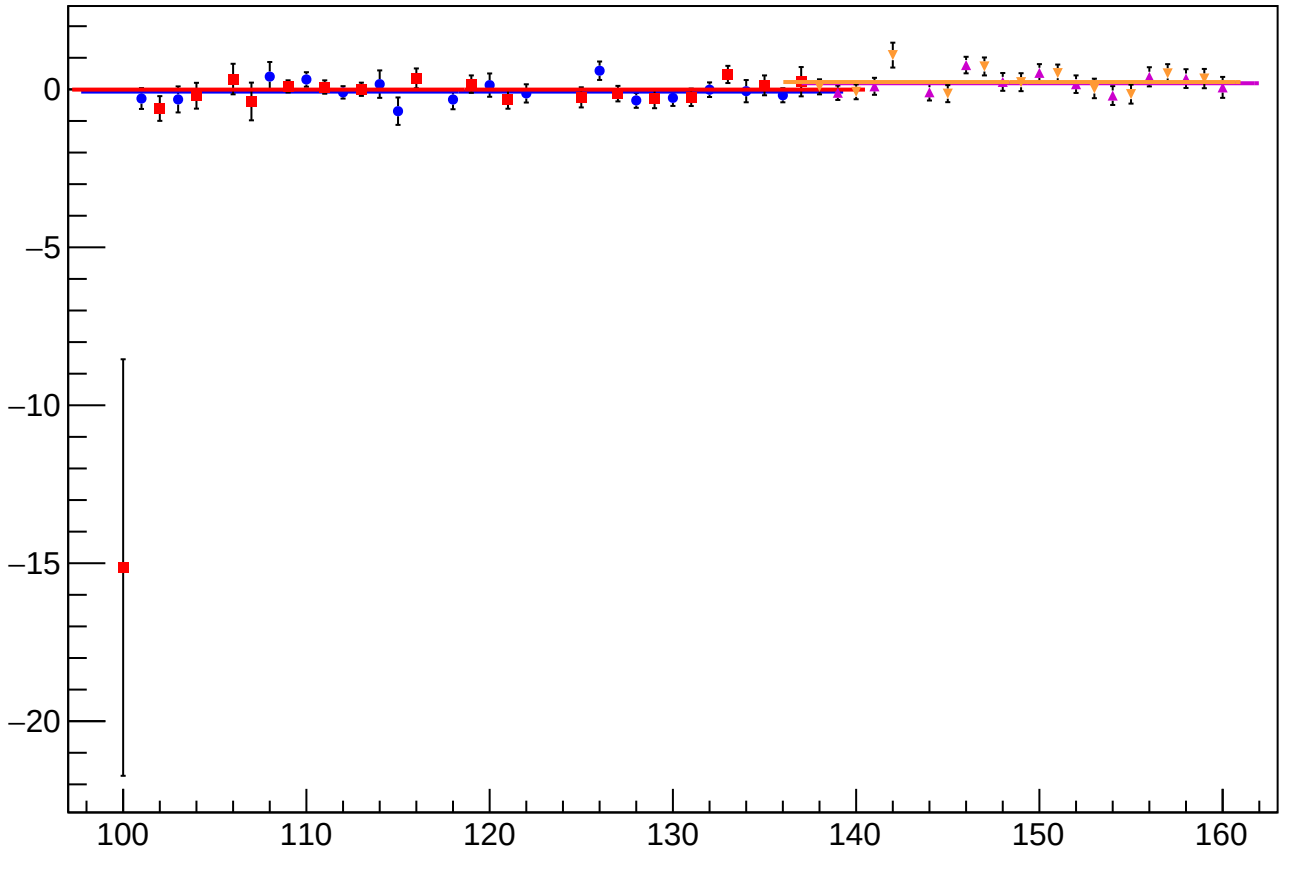
Left: 0.031+/-0.002 χ^2/NDF: 18.1/21

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:23.7/26

Out: 0.024+/-0.003 χ^2/NDF:22280.8/28

All: 0.028+/-0.002 χ^2/NDF: 22307.6/55



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: 0.194+/-0.084 χ^2/NDF:11.9/10

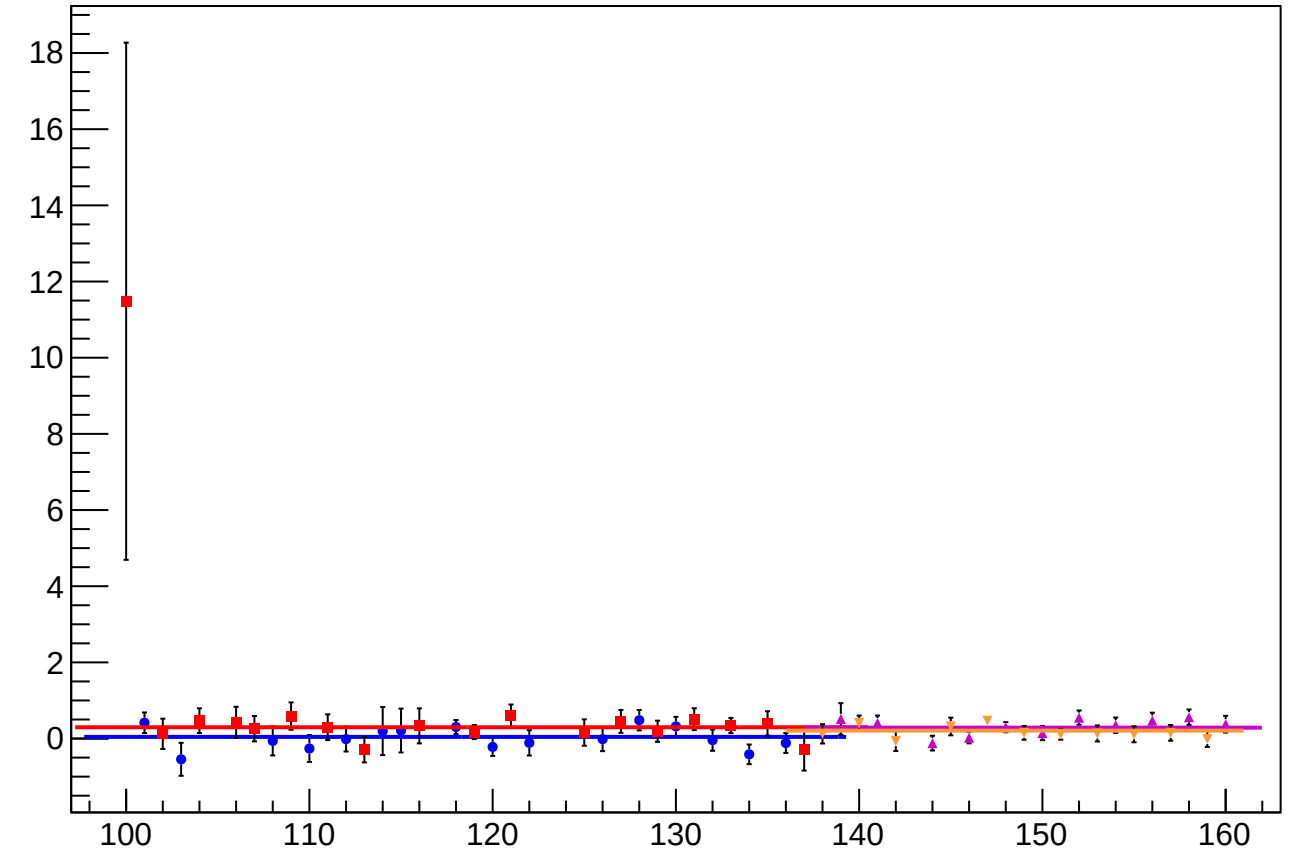
Left: 0.213+/-0.060 χ^2/NDF: 27.8/21

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.041+/-0.054 χ^2/NDF:33.2/26

Out: 0.089+/-0.054 χ^2/NDF:38.7/28

All: 0.065+/-0.038 χ^2/NDF: 72.3/55



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: 0.286+/-0.057 χ^2/NDF:13.7/10

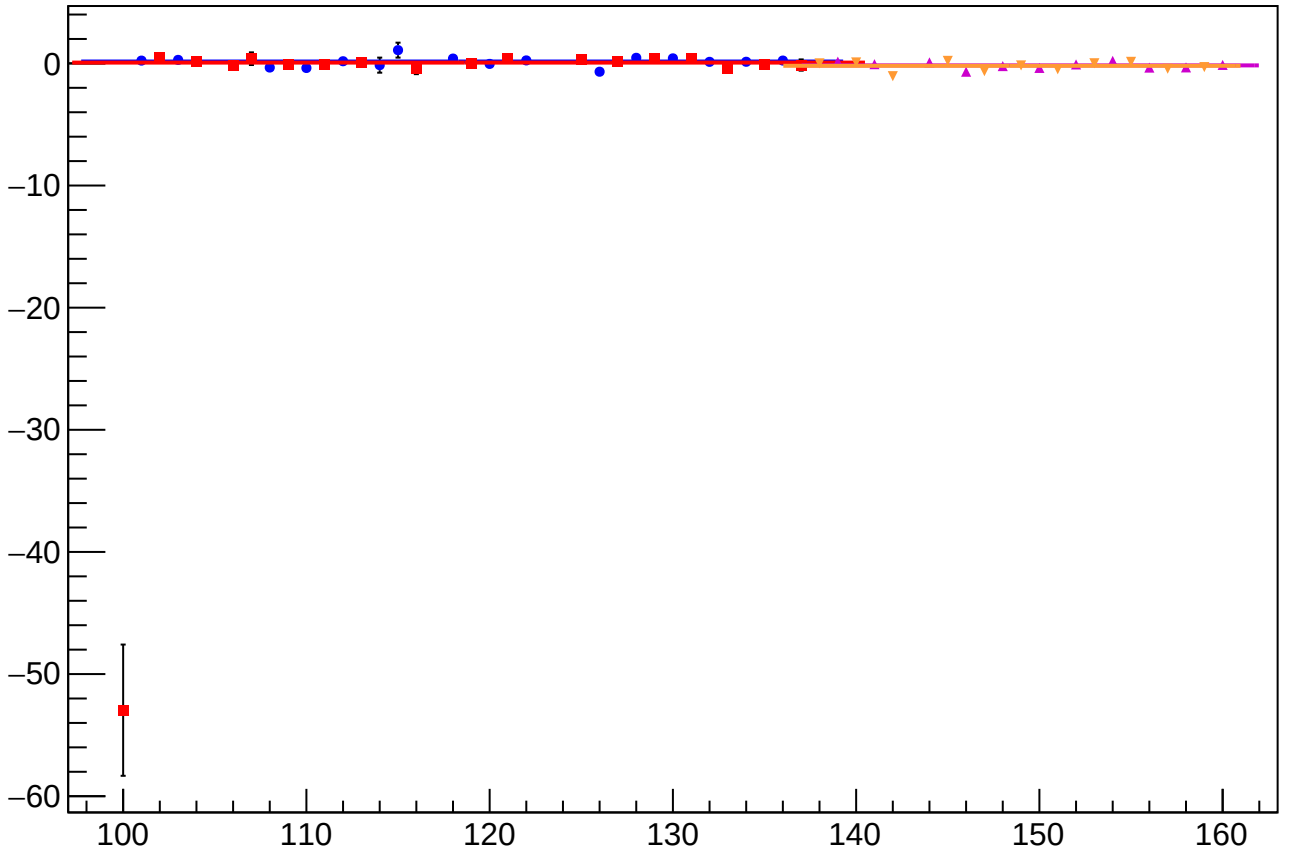
Left: 0.247+/-0.040 χ^2/NDF: 23.1/21

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.195+/-0.045 χ^2/NDF:36.3/26

Out: 0.241+/-0.045 χ^2/NDF:20.4/28

All: 0.218+/-0.032 χ^2/NDF: 57.2/55



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: -0.164+/-0.081 χ^2/NDF:10.2/10

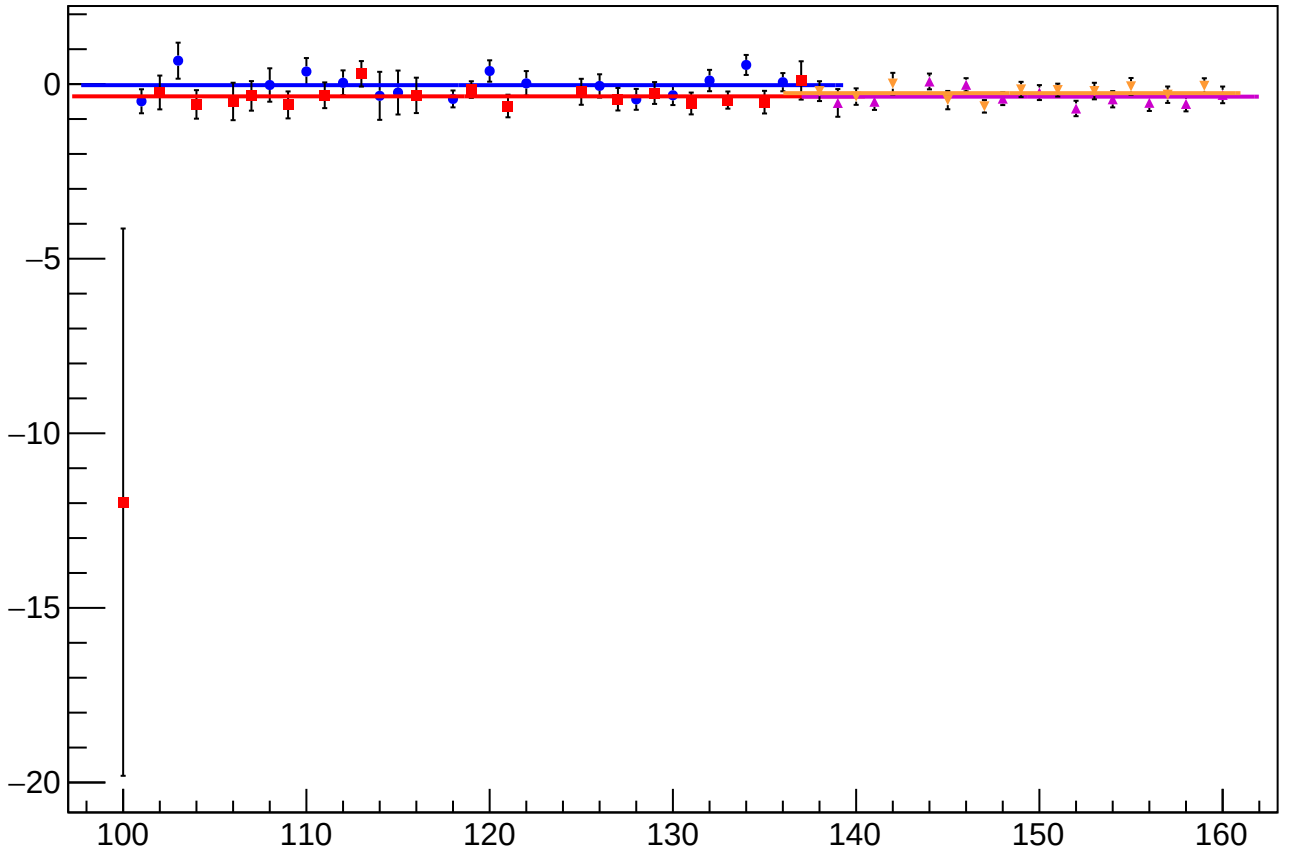
Left: -0.180+/-0.058 χ^2/NDF: 25.6/21

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.003+/-0.057 χ^2/NDF:33.7/26

Out: -0.063+/-0.058 χ^2/NDF:129.8/28

All: -0.033+/-0.040 χ^2/NDF: 164.0/55



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: -0.359+/-0.067 χ^2/NDF:12.0/10

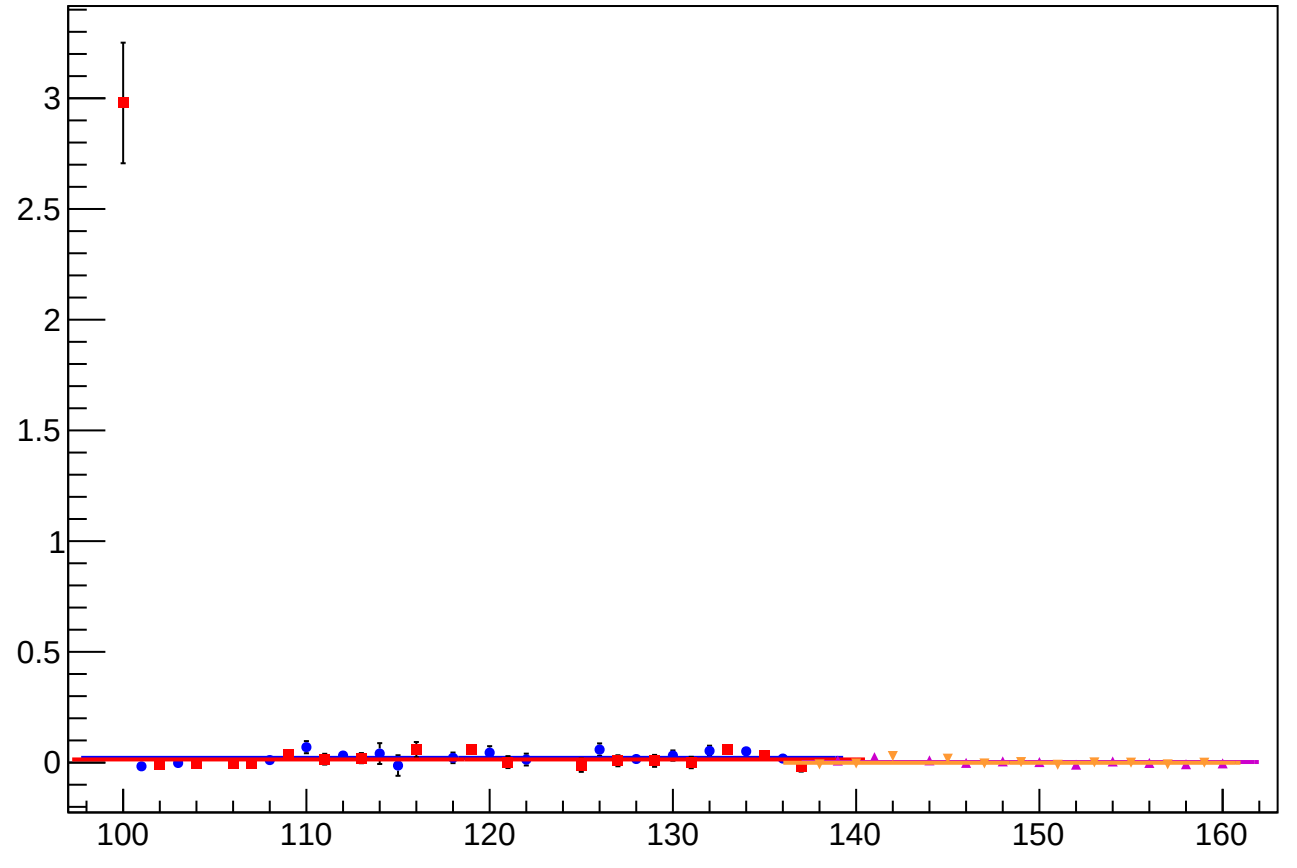
Left: -0.310+/-0.048 χ^2/NDF: 21.2/21

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.230+/-0.053 χ^2/NDF:38.1/26

Out: -0.295+/-0.053 χ^2/NDF:18.3/28

All: -0.262+/-0.037 χ^2/NDF: 57.1/55



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: 0.002+/-0.003 χ^2/NDF:8.2/10

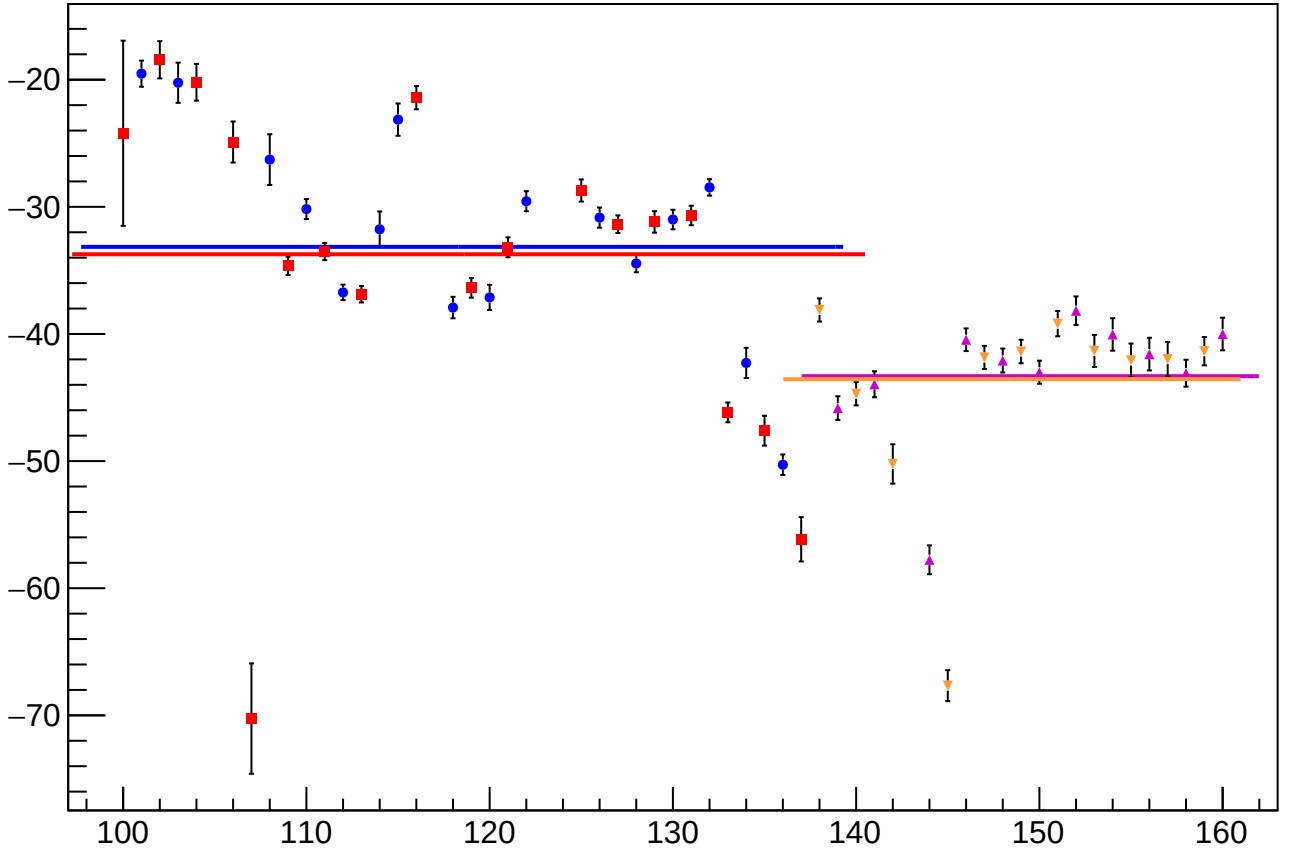
Left: 0.001+/-0.002 χ^2/NDF: 17.4/21

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.003 χ^2/NDF:41.6/26

Out: 0.003+/-0.003 χ^2/NDF:156.1/28

All: 0.006+/-0.002 χ^2/NDF: 199.1/55



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: -43.320+/-0.316 χ^2/NDF:218.2/10

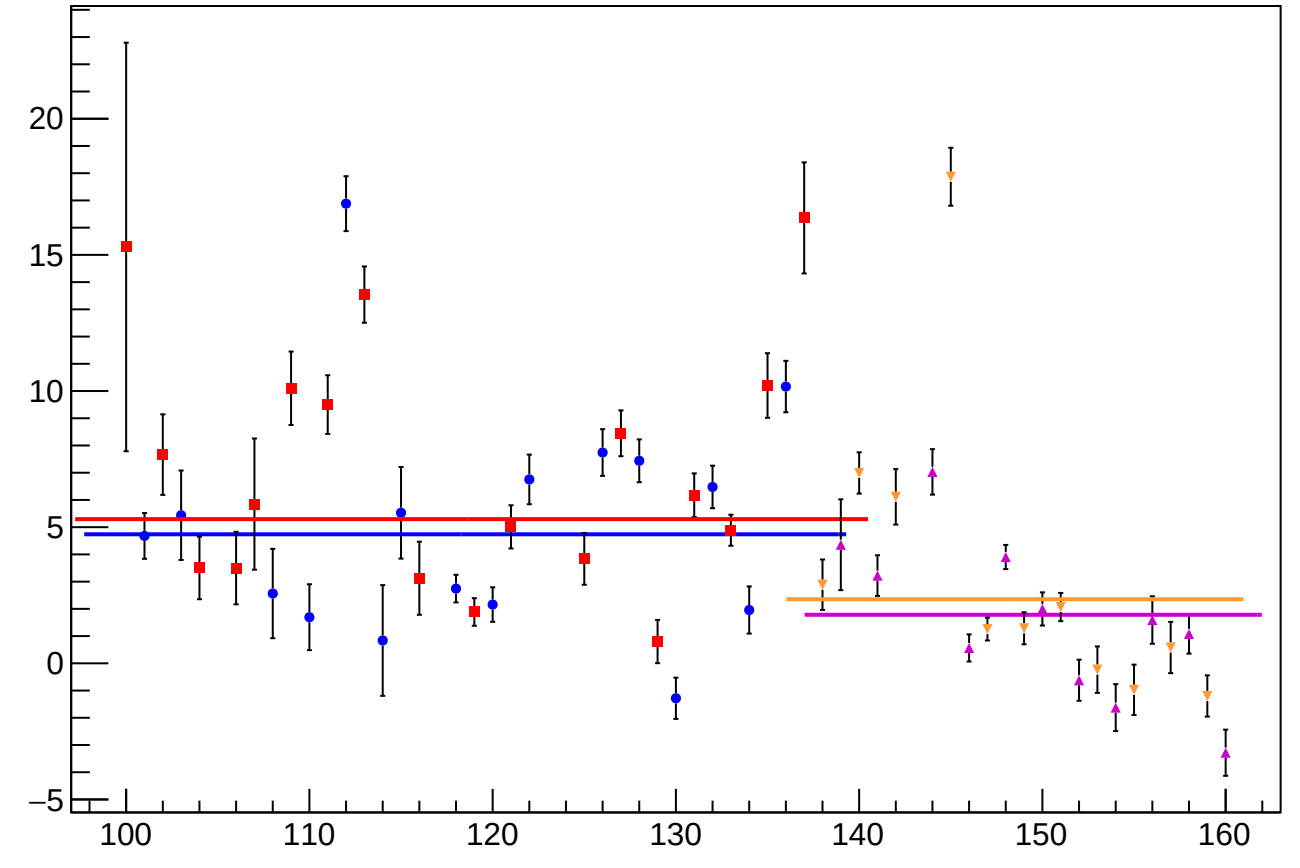
Left: -43.434+/-0.227 χ^2/NDF: 704.4/21

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.425+/-0.179 χ^2/NDF:1933.8/26

Out: -36.710+/-0.179 χ^2/NDF:2268.5/28

All: -36.568+/-0.127 χ^2/NDF: 4203.5/55



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: 1.783+/-0.208 χ^2/NDF:137.1/10

Left: 2.064+/-0.148 χ^2/NDF: 462.9/21

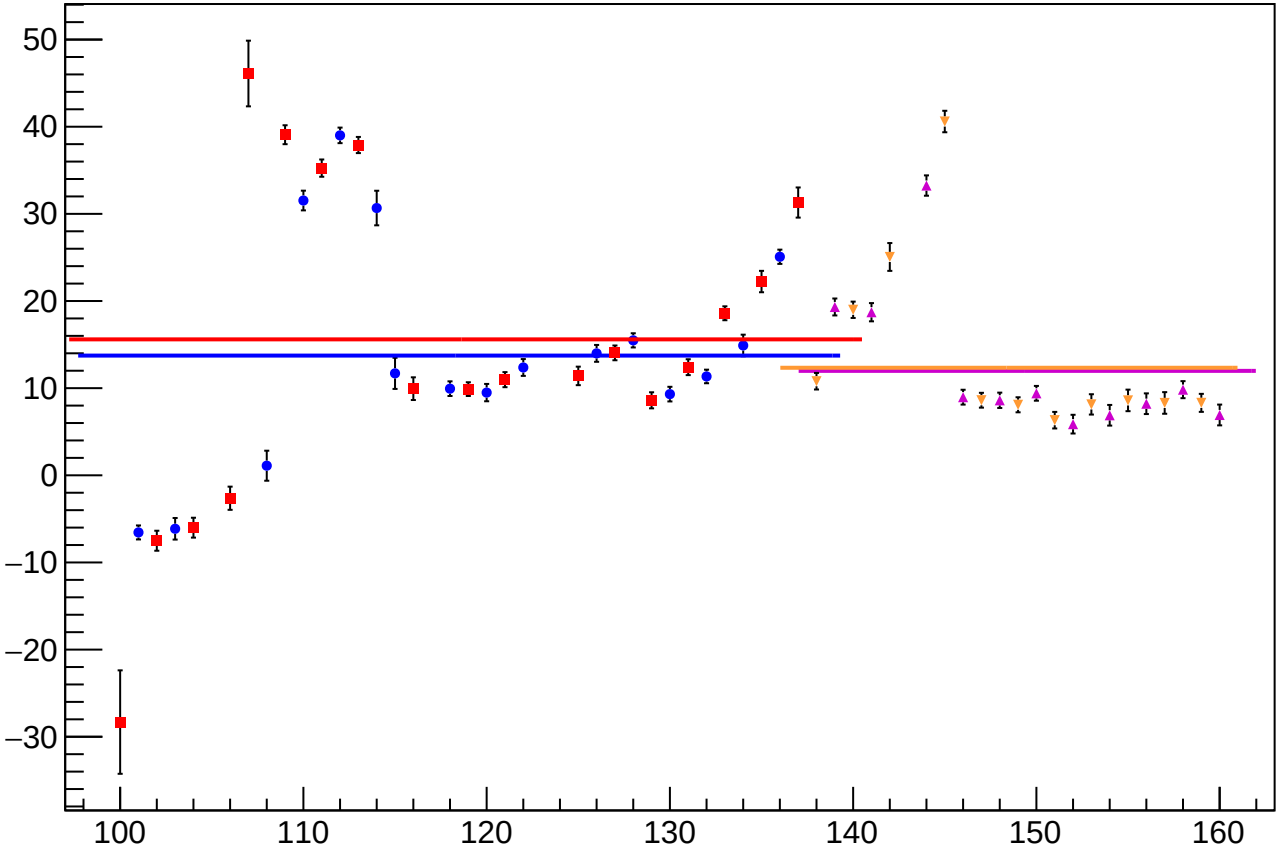
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.183+/-0.151 χ^2/NDF:562.3/26

Out: 3.741+/-0.153 χ^2/NDF:658.7/28

All: 3.458+/-0.108 χ^2/NDF: 1227.8/55

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 11.984+/-0.304 χ^2/NDF:550.7/10

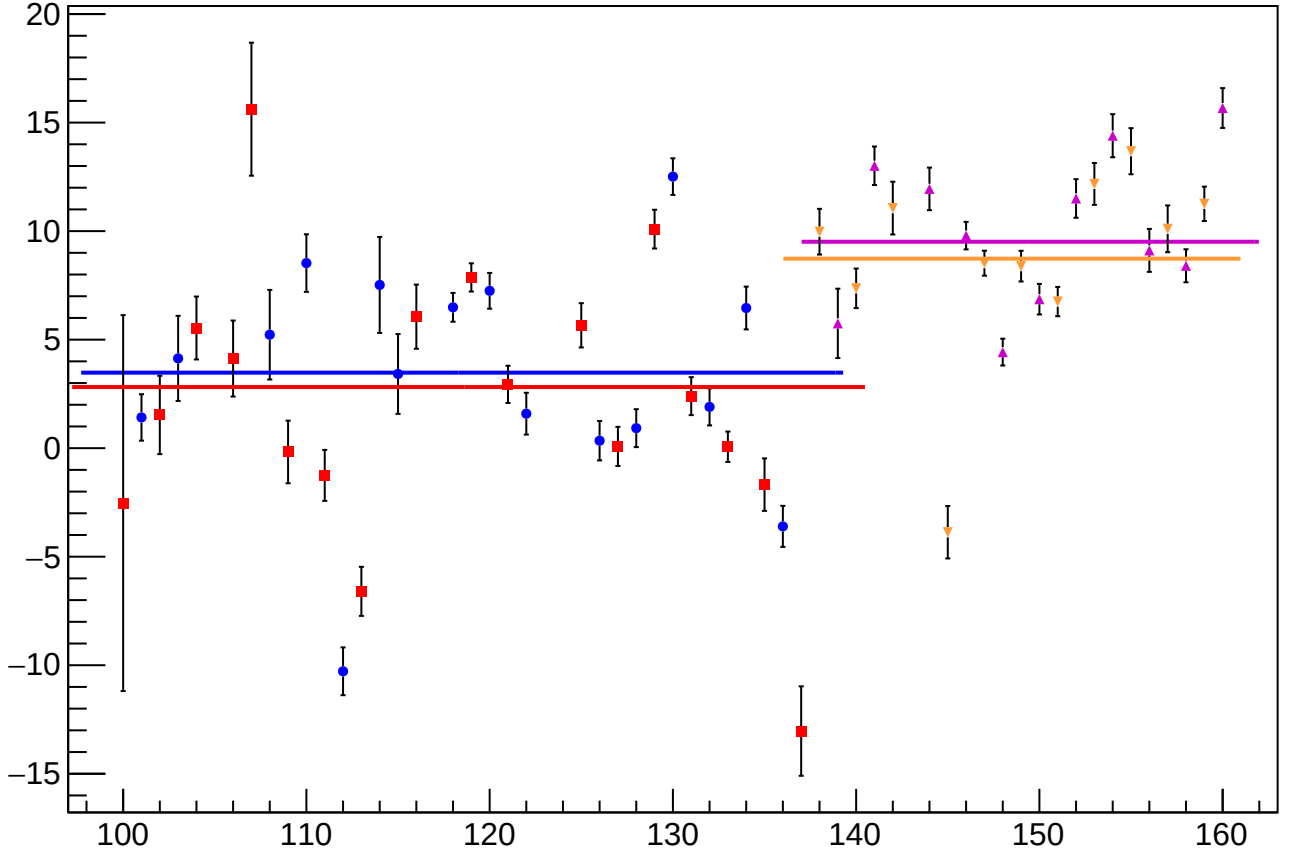
Left: 12.156+/-0.219 χ^2/NDF: 1325.0/21

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.042+/-0.192 χ^2/NDF:2920.6/26

Out: 14.337+/-0.196 χ^2/NDF:3665.7/28

All: 13.676+/-0.137 χ^2/NDF: 6608.7/55



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: 9.510+/-0.250 χ^2/NDF:186.0/10

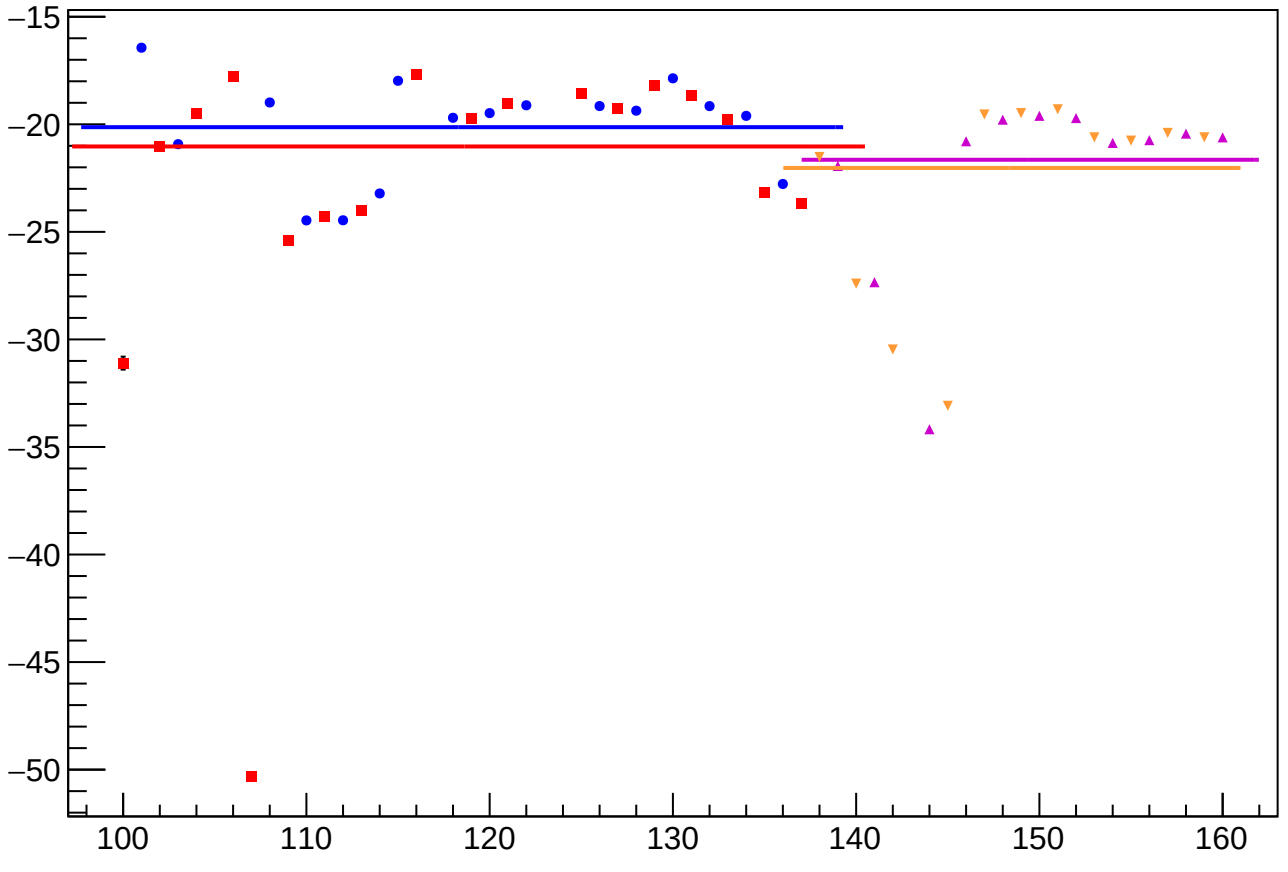
Left: 9.132+/-0.179 χ^2/NDF: 362.4/21

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.542+/-0.178 χ^2/NDF:900.7/26

Out: 5.774+/-0.182 χ^2/NDF:781.2/28

All: 6.166+/-0.127 χ^2/NDF: 1691.0/55



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: -21.648+/-0.012 χ^2/NDF:87010.7/10

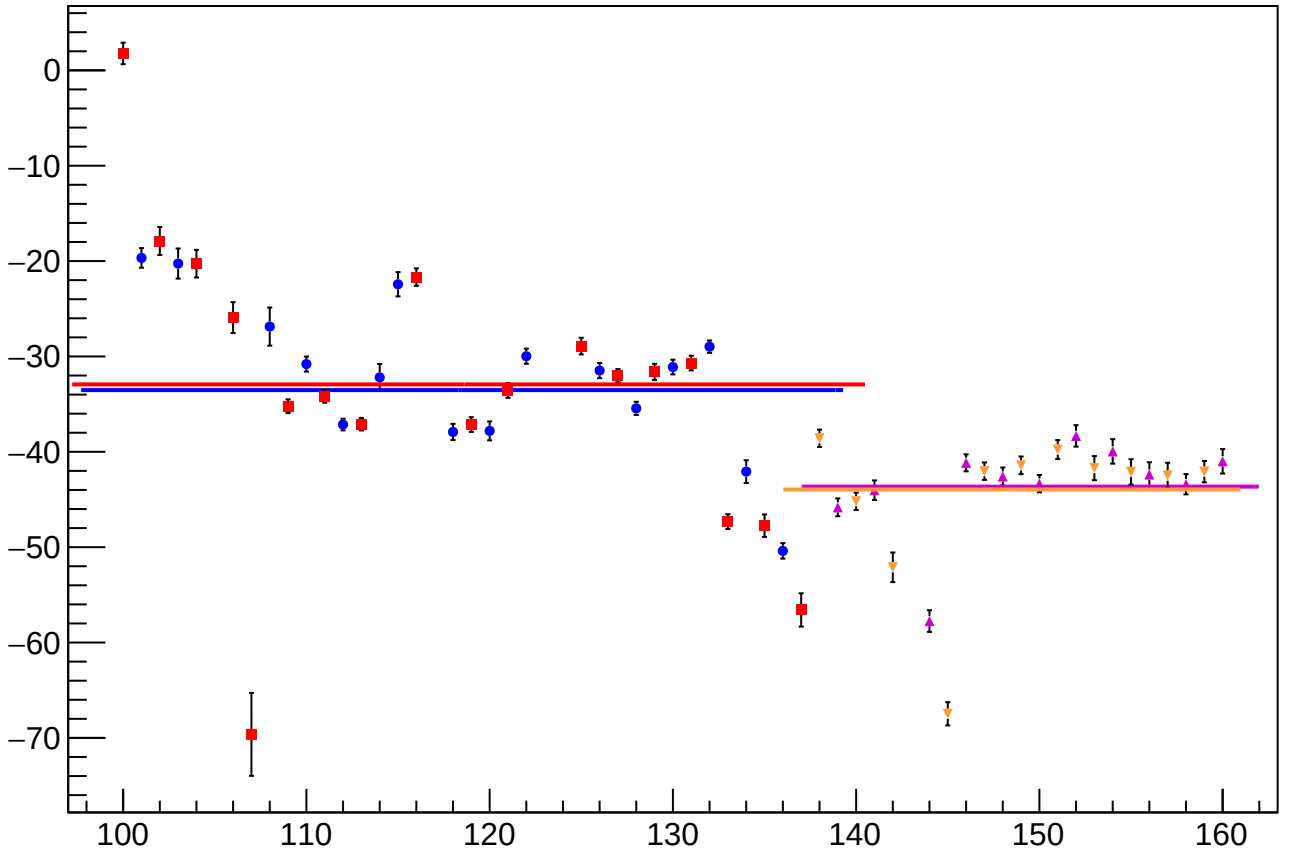
Left: -21.827+/-0.008 χ^2/NDF: 192616.2/21

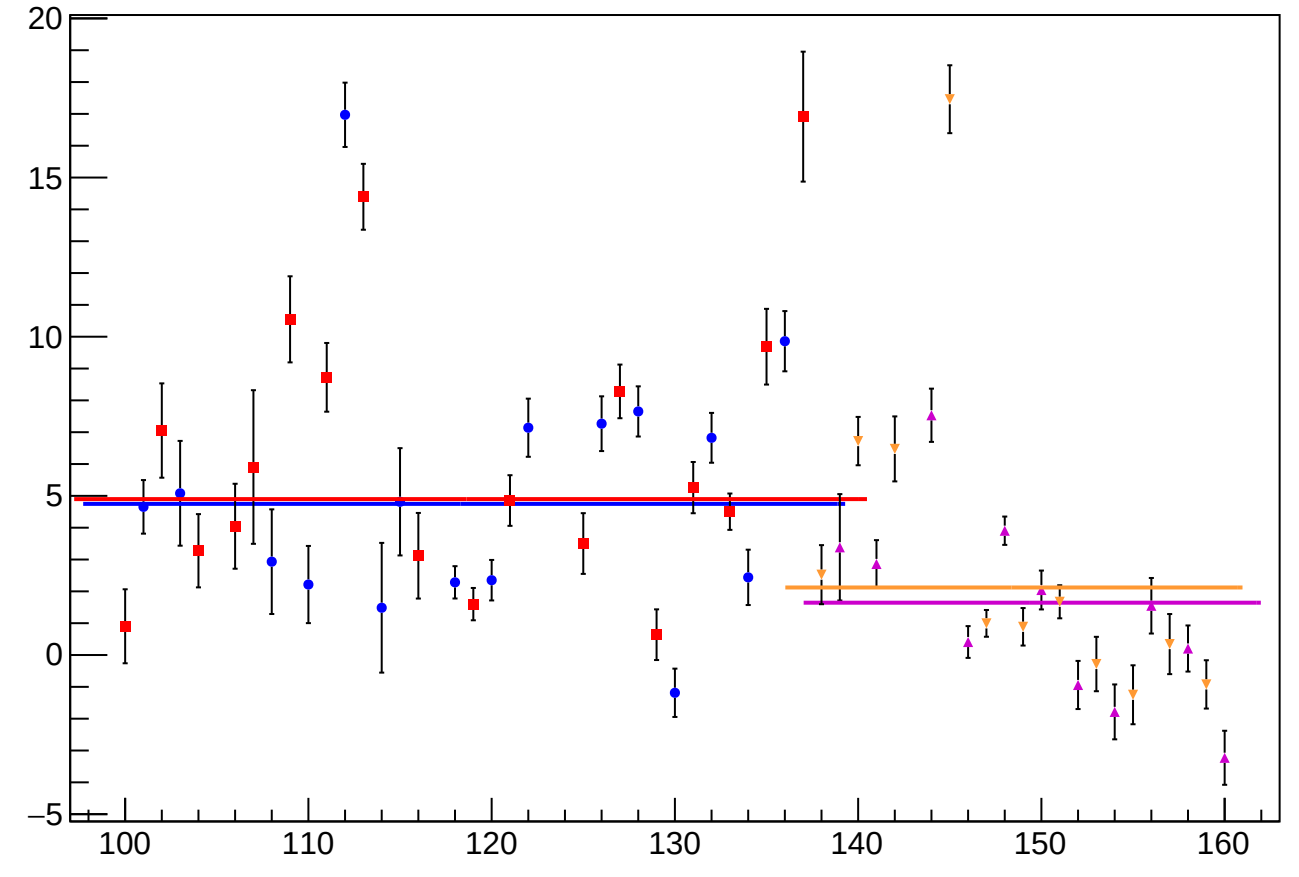
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.132+/-0.009 χ^2/NDF:112743.2/26

Out: -21.674+/-0.010 χ^2/NDF:164987.2/28

All: -21.390+/-0.007 χ^2/NDF: 279330.6/55


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: -43.653+/-0.317 χ²/NDF:204.8/10
Left: -43.798+/-0.227 χ²/NDF: 679.6/21
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.791+/-0.180 χ²/NDF:1905.8/26
Out: -36.195+/-0.178 χ²/NDF:3447.9/28
All: -36.489+/-0.126 χ²/NDF: 5359.2/55



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.122+/-0.211 χ^2/NDF:315.0/10

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.644+/-0.208 χ^2/NDF:150.1/10

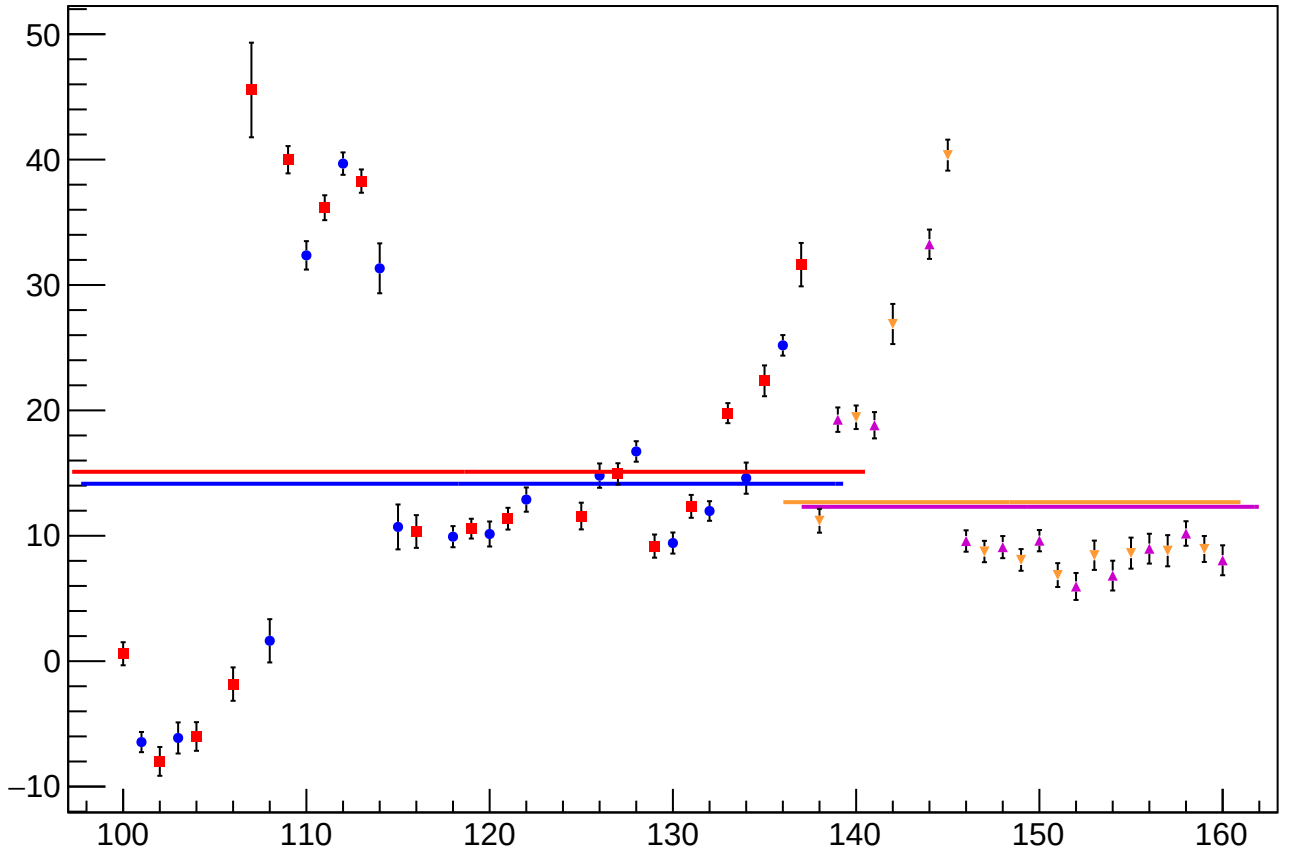
Left: 1.879+/-0.148 χ^2/NDF: 467.7/21

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 3.114+/-0.151 χ^2/NDF:580.9/26

Out: 3.455+/-0.152 χ^2/NDF:670.9/28

All: 3.283+/-0.107 χ^2/NDF: 1254.4/55



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: 12.310+/-0.305 χ^2/NDF:525.5/10

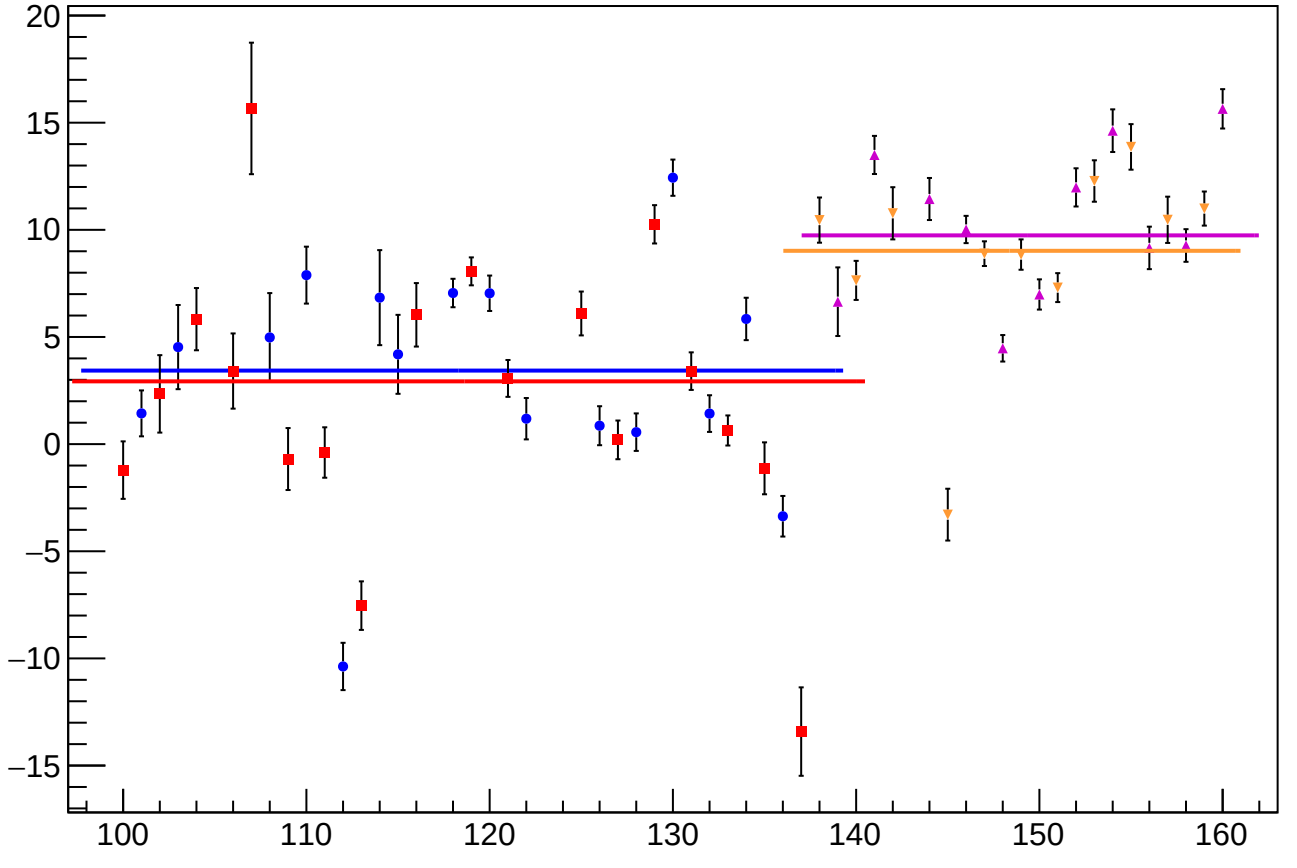
Left: 12.489+/-0.219 χ^2/NDF: 1295.5/21

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.419+/-0.192 χ^2/NDF:2949.8/26

Out: 14.205+/-0.192 χ^2/NDF:3908.7/28

All: 13.812+/-0.136 χ^2/NDF: 6866.9/55



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: 9.741+/-0.250 χ^2/NDF:185.0/10

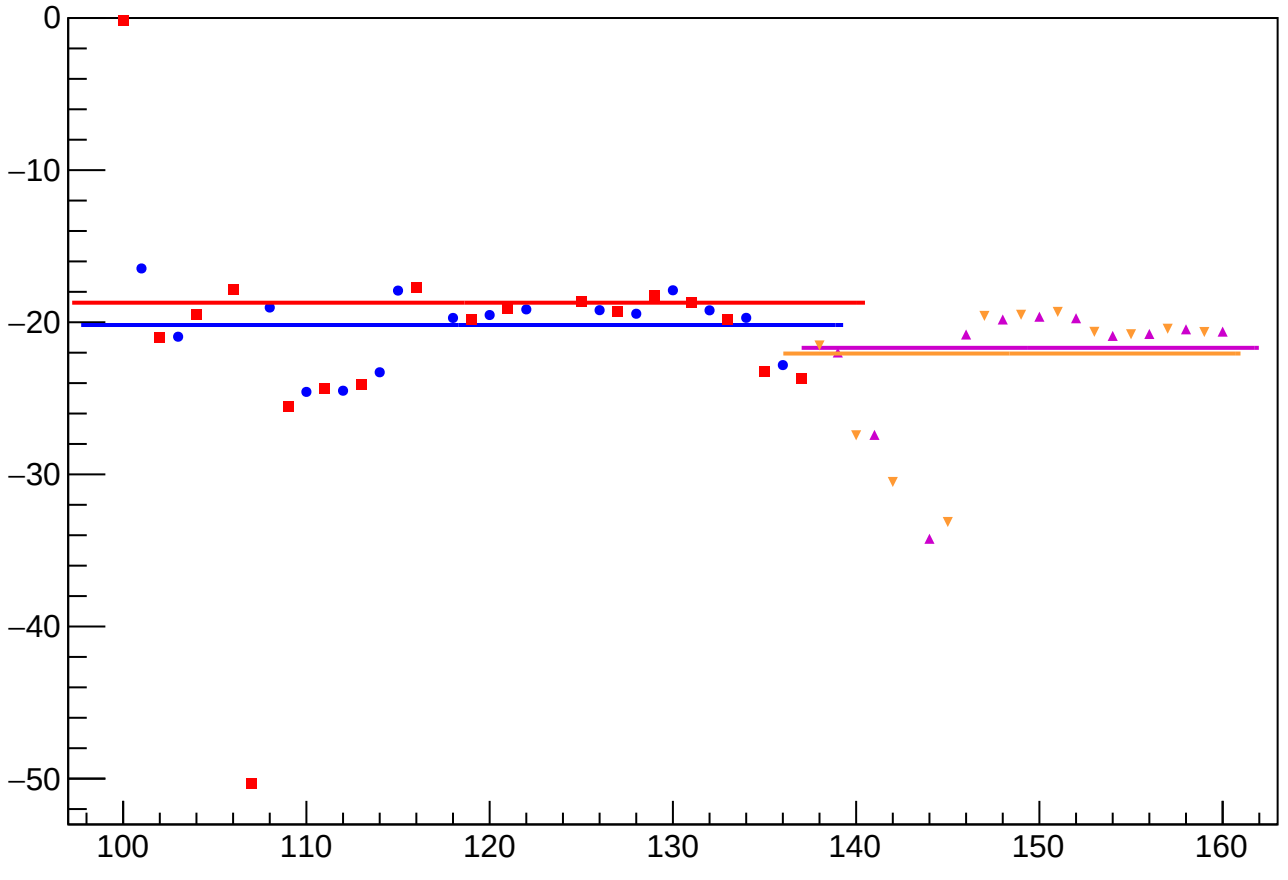
Left: 9.392+/-0.180 χ^2/NDF: 345.6/21

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 6.637+/-0.178 χ^2/NDF:921.9/26

Out: 5.922+/-0.181 χ^2/NDF:808.4/28

All: 6.284+/-0.127 χ^2/NDF: 1738.3/55



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: -21.681+/-0.012 χ^2/NDF:87196.2/10

Left: -21.858+/-0.008 χ^2/NDF: 192536.1/21

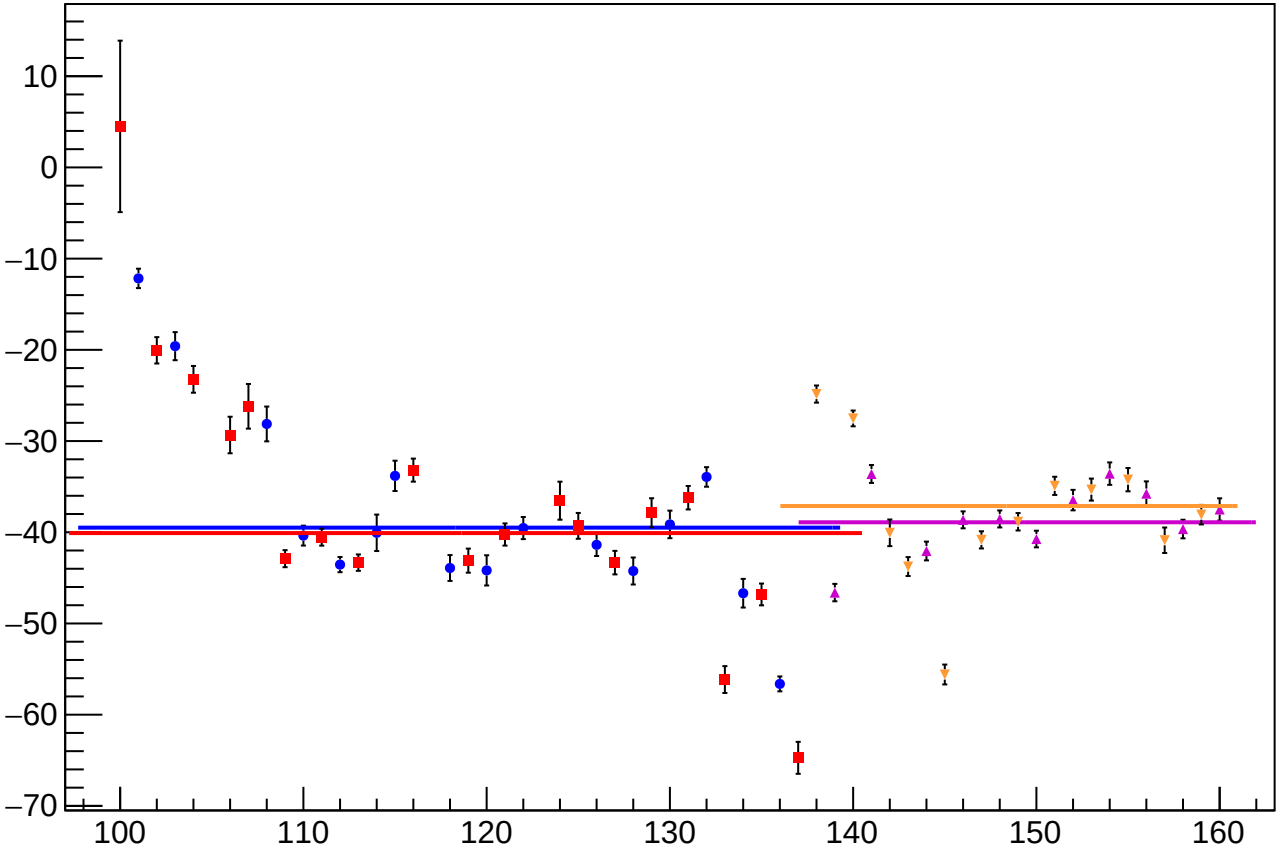
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.170+/-0.009 χ^2/NDF:112818.7/26

Out: -20.780+/-0.010 χ^2/NDF:368008.1/28

All: -20.980+/-0.007 χ^2/NDF: 481670.5/55

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -38.906+/-0.313 χ^2/NDF:138.6/10

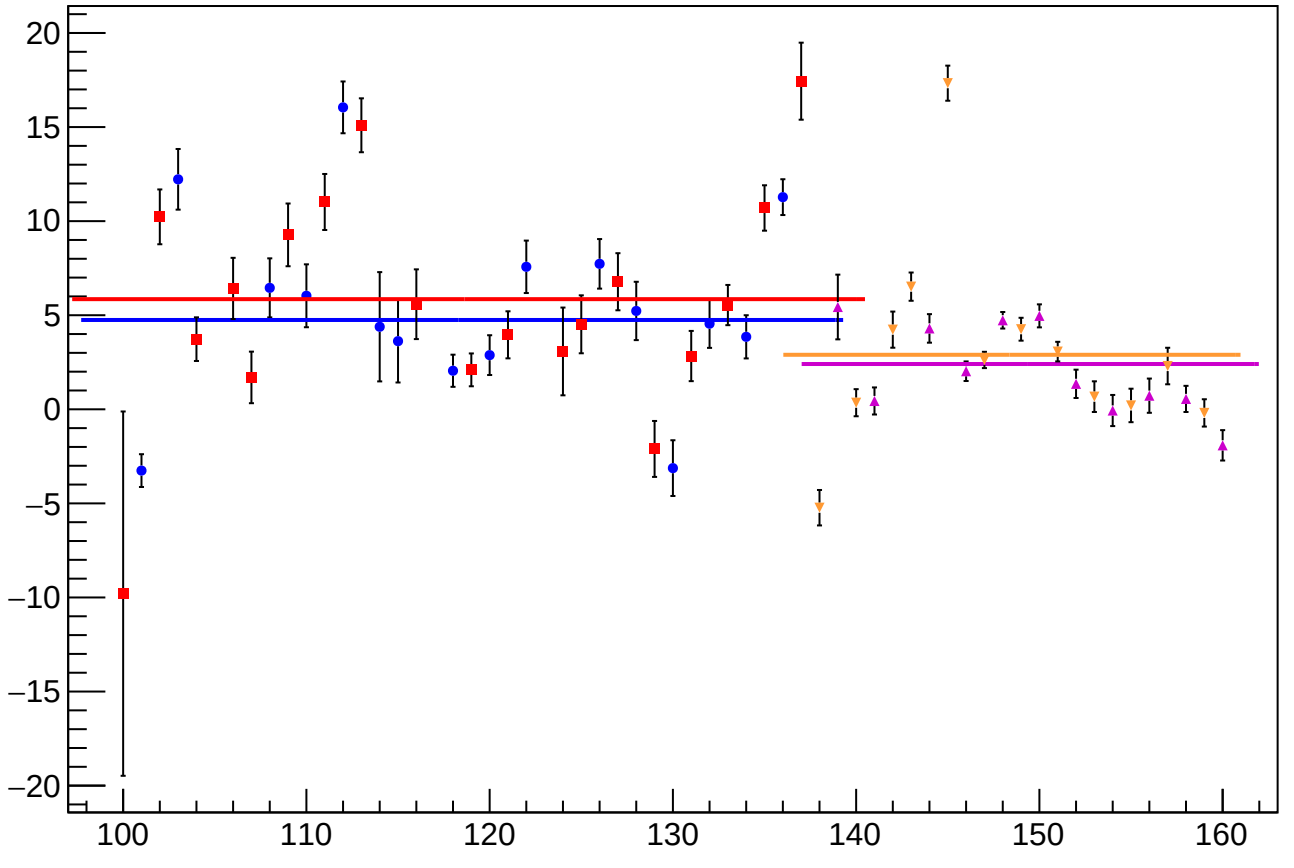
Left: -37.998+/-0.219 χ^2/NDF: 820.8/22

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.201+/-0.220 χ^2/NDF:1557.5/26

Out: -38.605+/-0.217 χ^2/NDF:1547.2/30

All: -38.899+/-0.155 χ^2/NDF: 3108.4/57



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: 2.407+/-0.206 χ^2/NDF:112.9/10

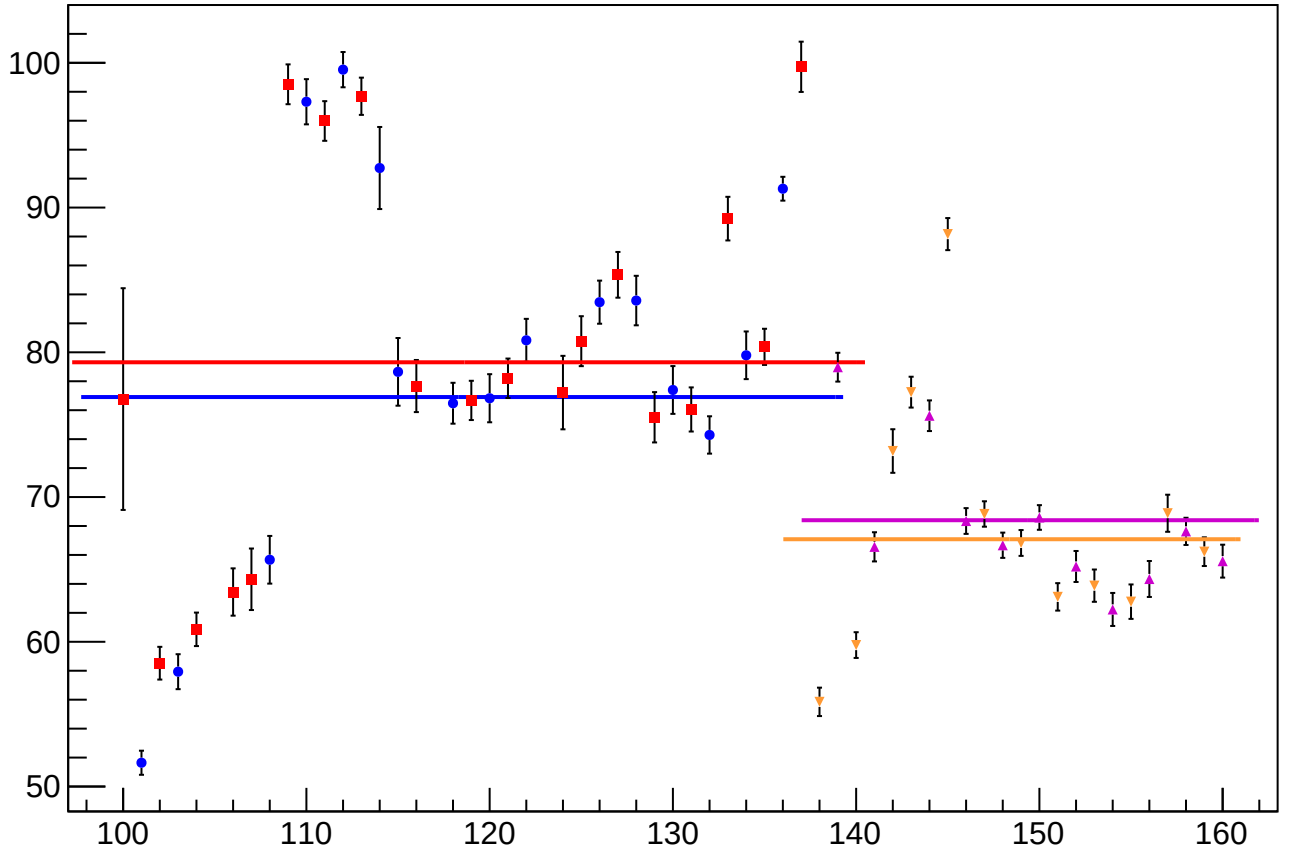
Left: 2.657+/-0.144 χ^2/NDF: 508.2/22

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.105+/-0.172 χ^2/NDF:425.2/26

Out: 3.725+/-0.171 χ^2/NDF:640.1/30

All: 3.417+/-0.122 χ^2/NDF: 1071.8/57



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: 68.399+/-0.301 χ^2/NDF:222.2/10

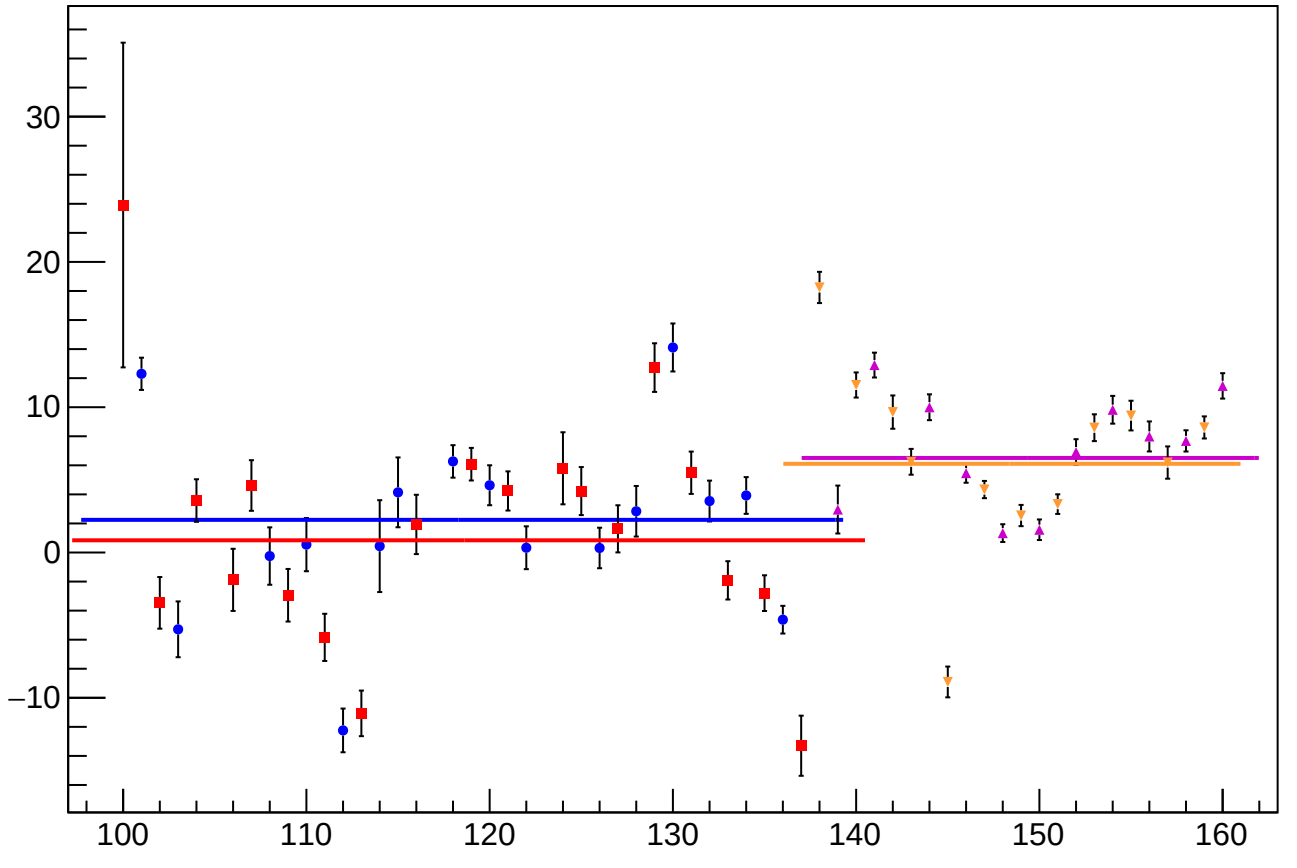
Left: 67.736+/-0.212 χ^2/NDF: 945.6/22

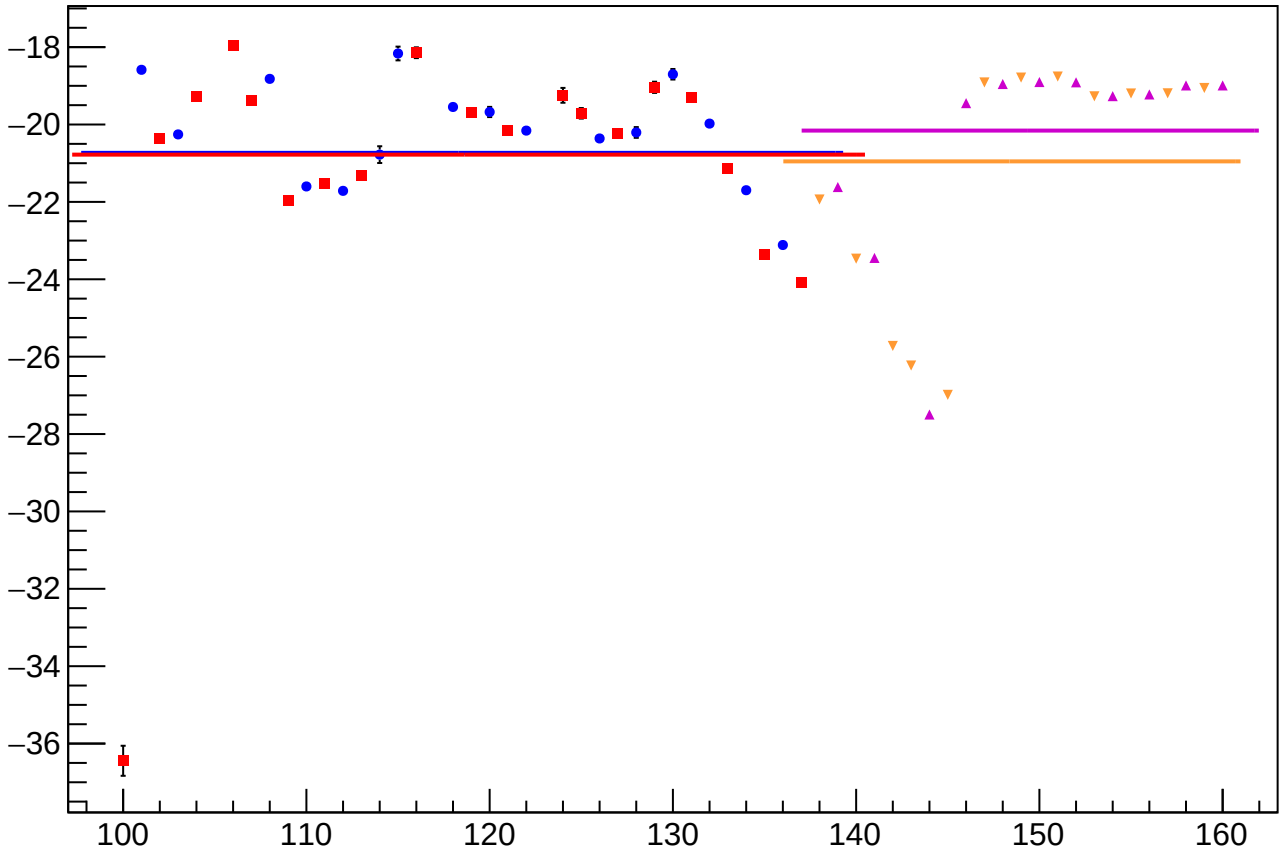
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 72.177+/-0.224 χ^2/NDF:2693.1/26

Out: 72.265+/-0.226 χ^2/NDF:2922.1/30

All: 72.221+/-0.159 χ^2/NDF: 5615.2/57


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 6.105+/-0.245 χ²/NDF:455.4/11
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 6.508+/-0.247 χ²/NDF:247.7/10
Left: 6.305+/-0.174 χ²/NDF: 704.5/22
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 5.162+/-0.204 χ²/NDF:661.5/26
Out: 4.515+/-0.204 χ²/NDF:851.4/30
All: 4.839+/-0.144 χ²/NDF: 1518.0/57



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: -20.157+/-0.011 χ^2/NDF:39070.6/10

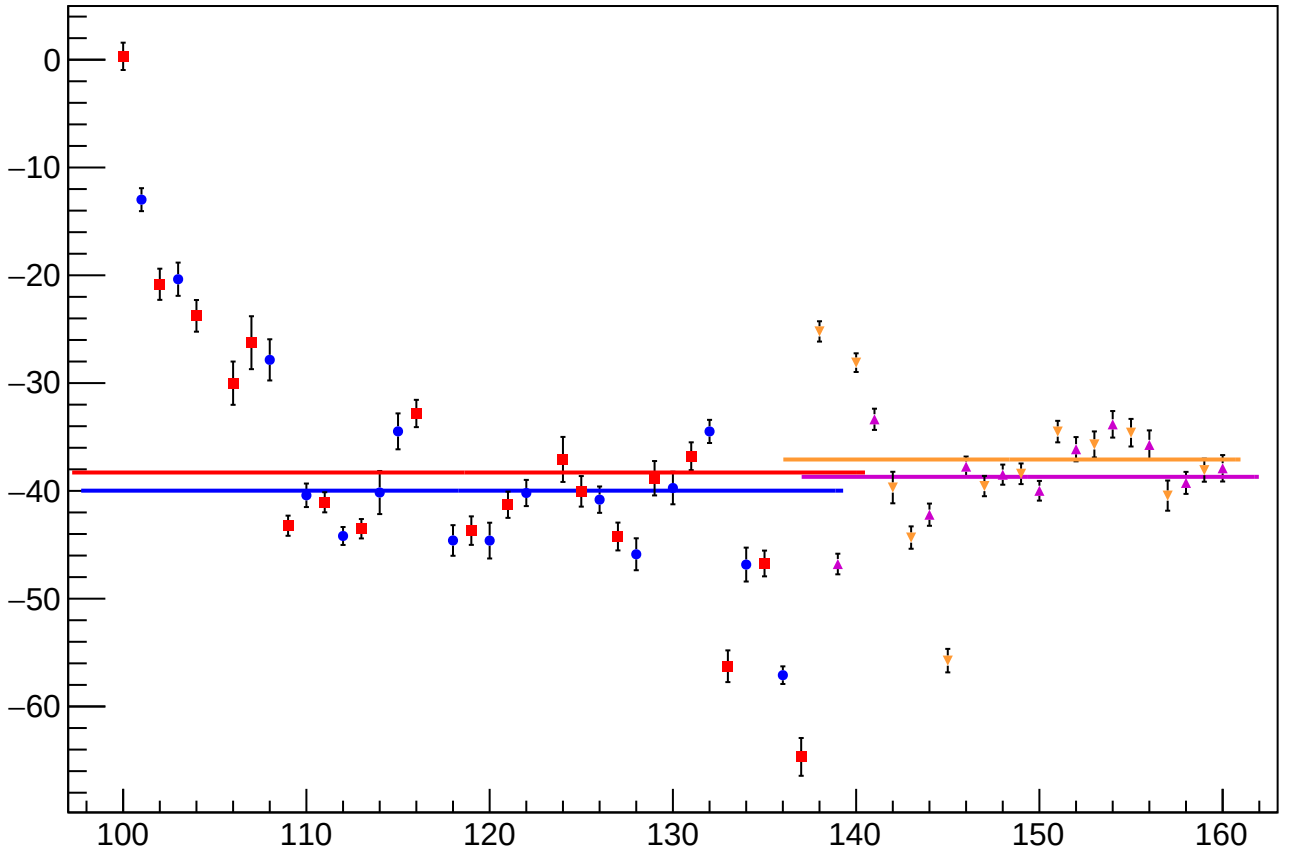
Left: -20.547+/-0.008 χ^2/NDF: 103414.1/22

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.305+/-0.010 χ^2/NDF:47357.8/26

Out: -20.909+/-0.010 χ^2/NDF:71439.2/30

All: -20.600+/-0.007 χ^2/NDF: 120641.6/57



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: -38.697+/-0.313 χ^2/NDF:142.0/10

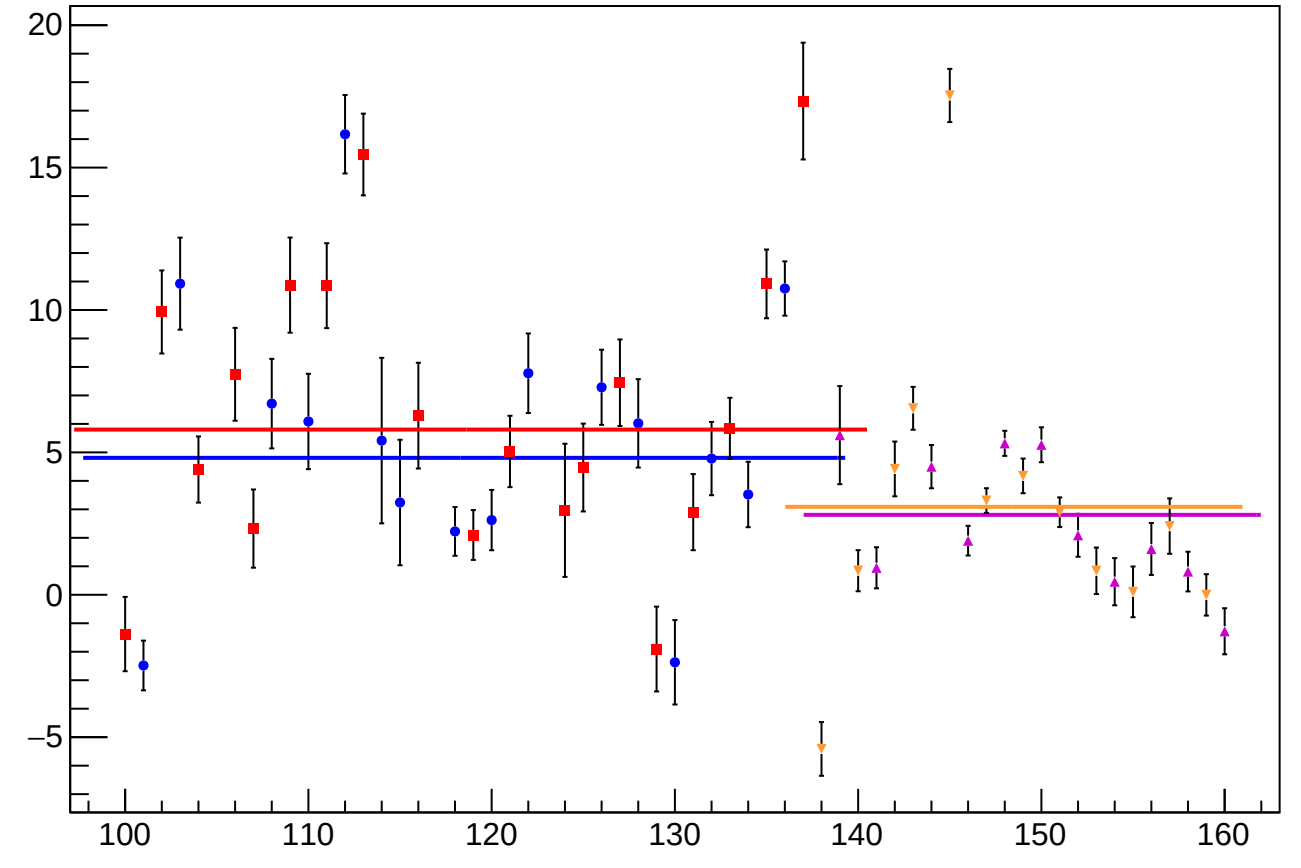
Left: -37.877+/-0.219 χ^2/NDF: 793.8/22

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.343+/-0.221 χ^2/NDF:1548.8/26

Out: -37.708+/-0.214 χ^2/NDF:2420.1/30

All: -38.501+/-0.154 χ^2/NDF: 3997.1/57



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: 2.807+/-0.206 χ^2/NDF:110.3/10

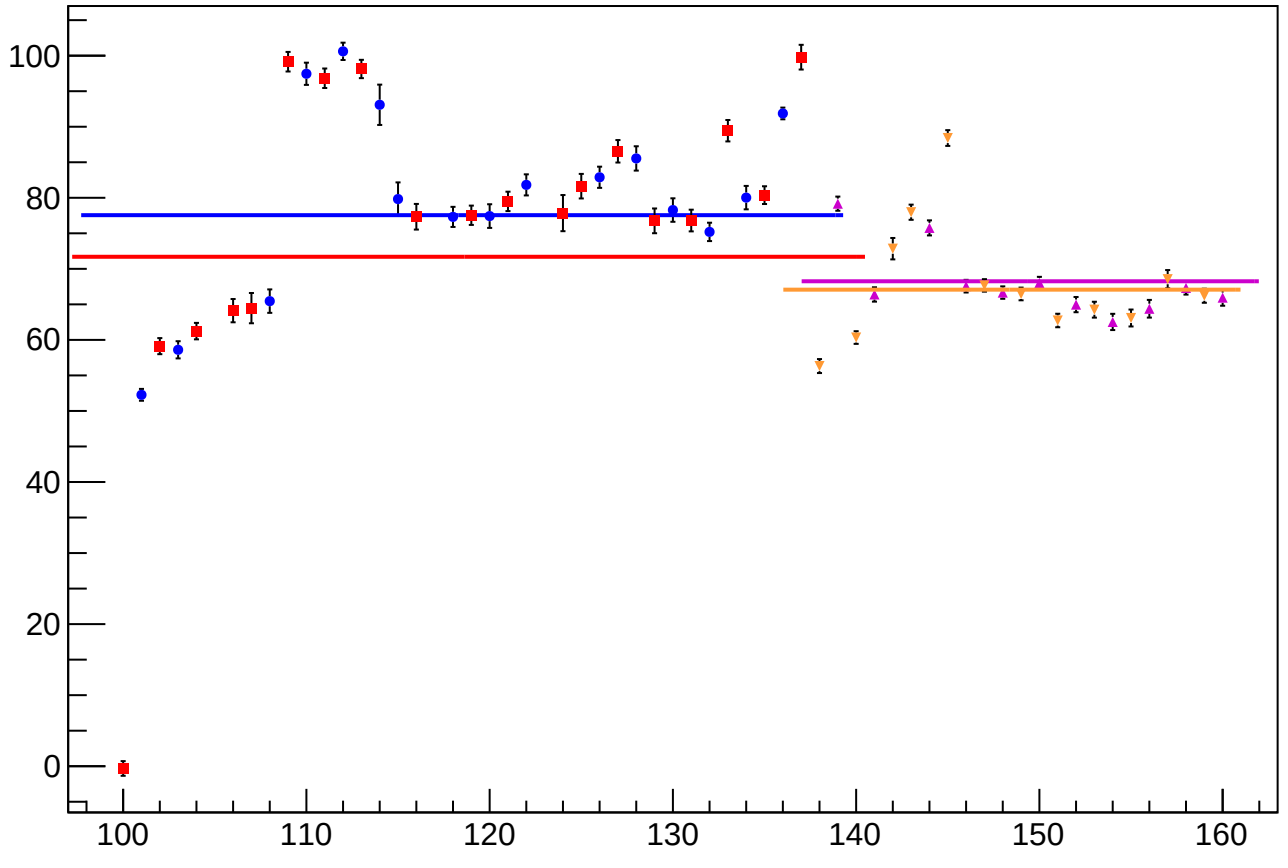
Left: 2.950+/-0.144 χ^2/NDF: 505.5/22

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 3.404+/-0.173 χ^2/NDF:378.9/26

Out: 3.879+/-0.170 χ^2/NDF:663.2/30

All: 3.645+/-0.121 χ^2/NDF: 1046.0/57



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: 68.250+/-0.302 χ^2/NDF:226.6/10

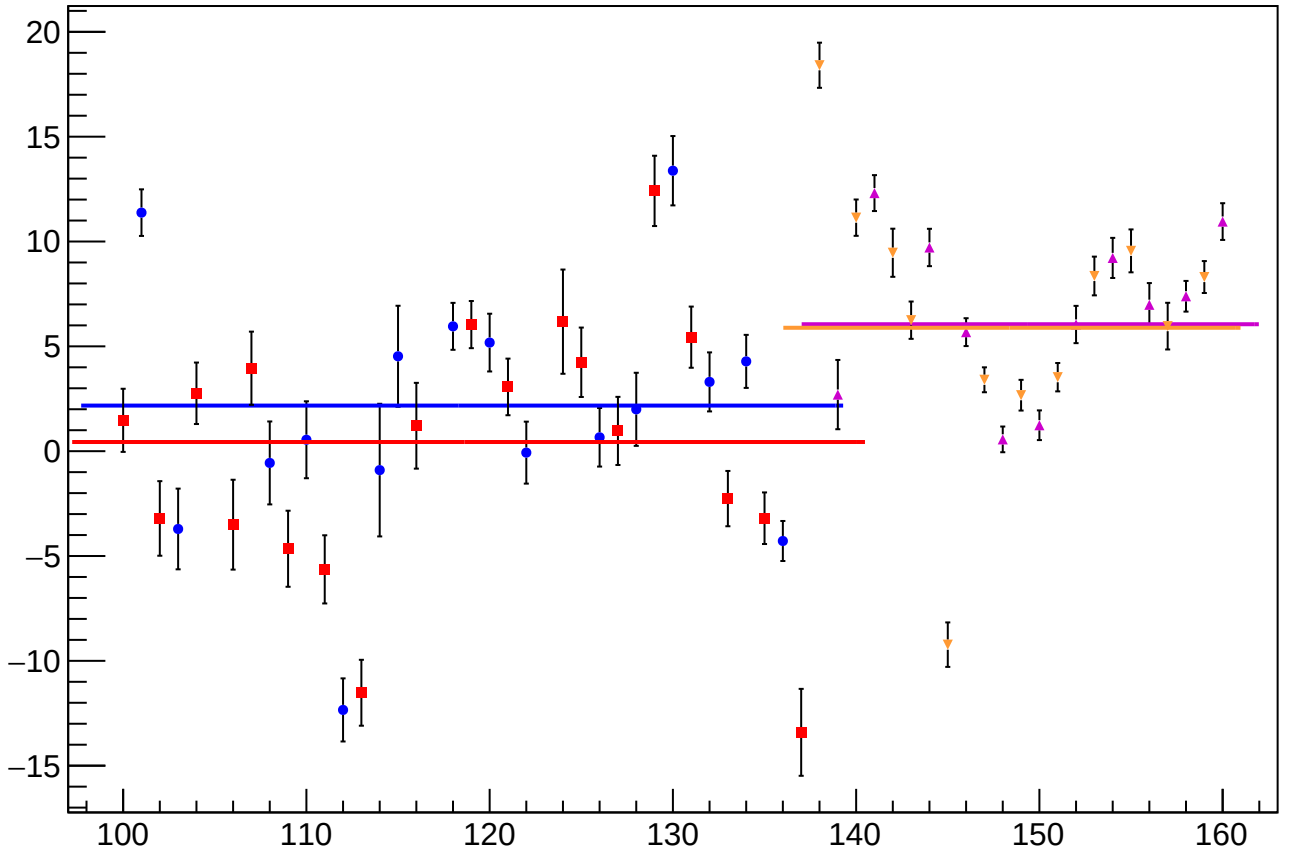
Left: 67.655+/-0.212 χ^2/NDF: 941.3/22

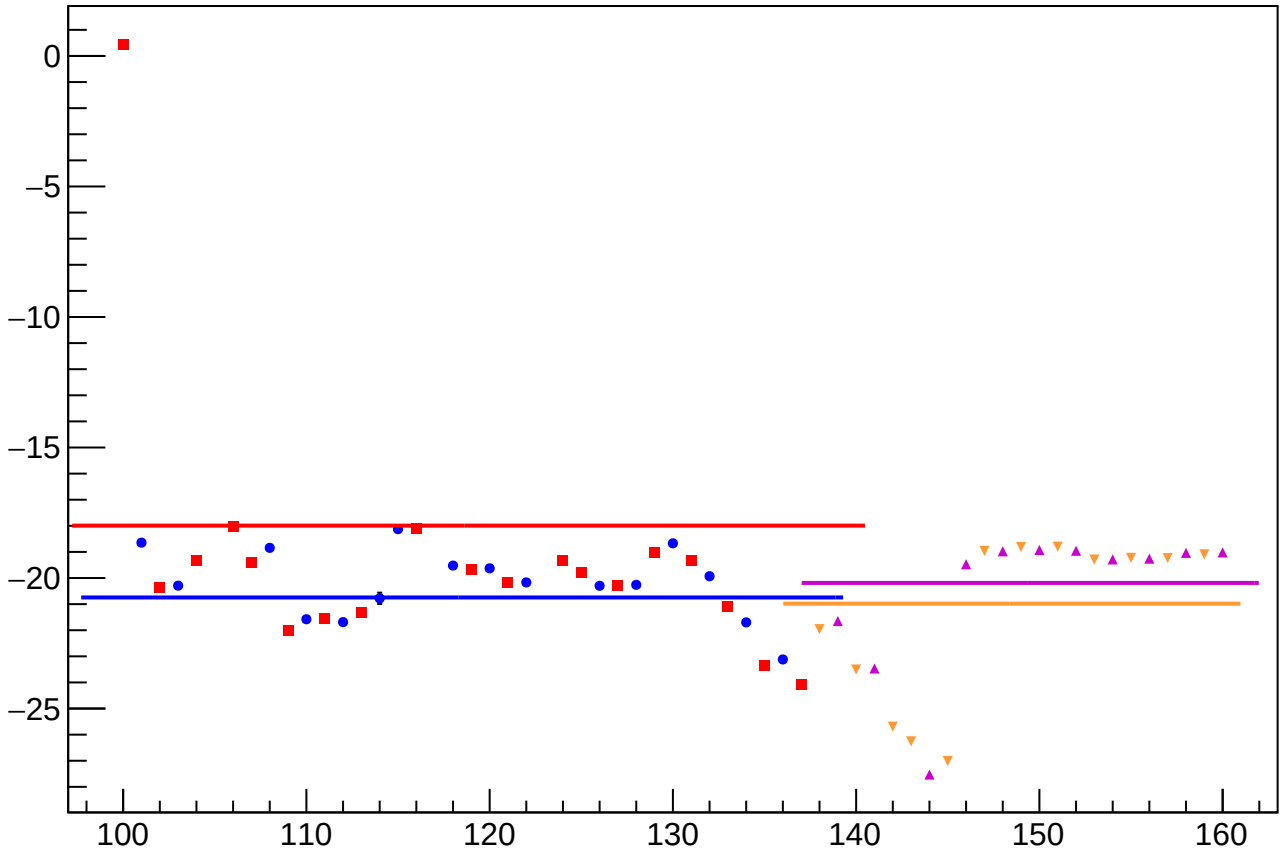
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

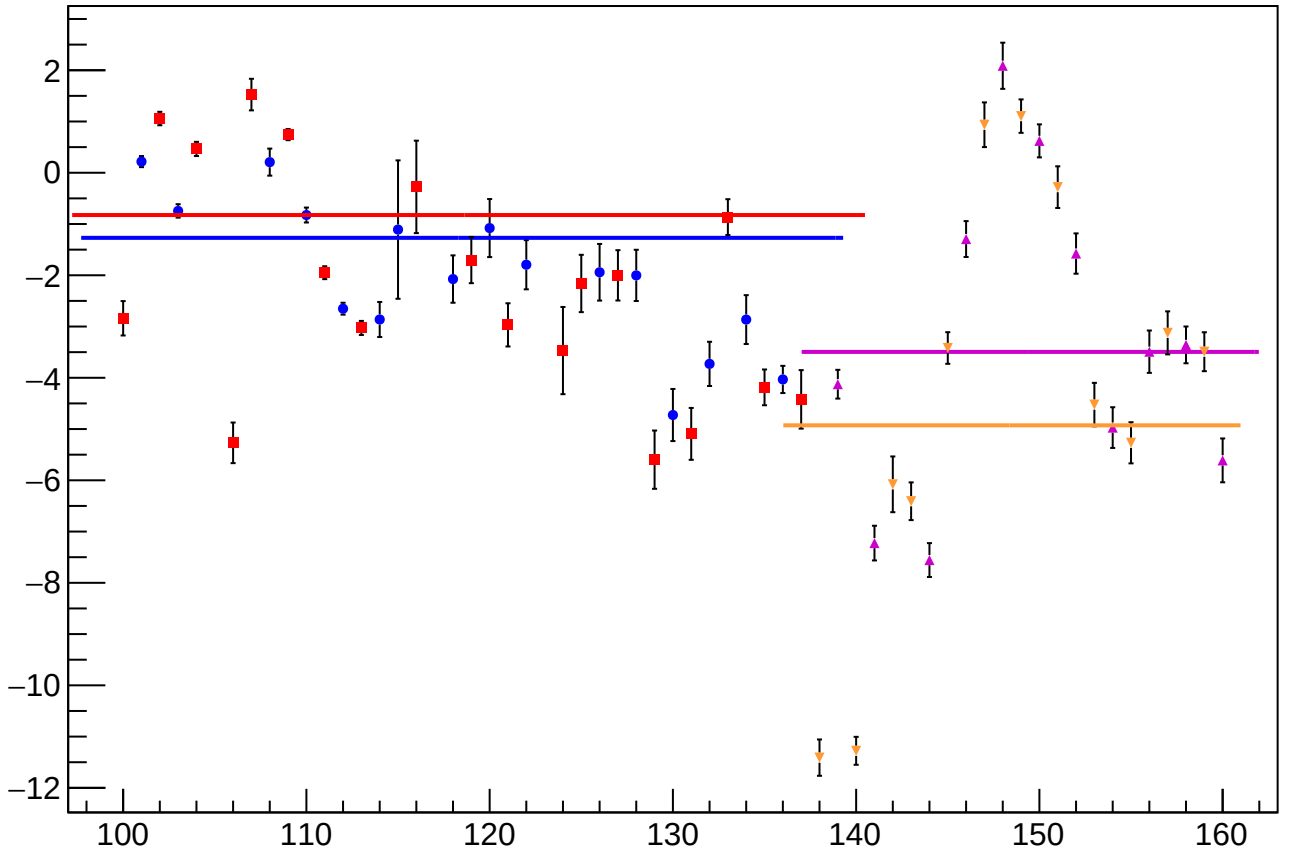
In: 72.382+/-0.225 χ^2/NDF:2767.6/26

Out: 69.151+/-0.222 χ^2/NDF:7718.5/30

All: 70.743+/-0.158 χ^2/NDF: 10590.8/57


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: 6.055+/-0.247 χ²/NDF:247.5/10
Left: 5.970+/-0.174 χ²/NDF: 711.5/22
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 4.829+/-0.204 χ²/NDF:615.7/26
Out: 4.173+/-0.203 χ²/NDF:873.3/30
All: 4.498+/-0.144 χ²/NDF: 1494.1/57


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.982+/-0.012 χ²/NDF:61472.9/11
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -20.187+/-0.011 χ²/NDF:38898.6/10
Left: -20.577+/-0.008 χ²/NDF: 102744.7/22
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.330+/-0.010 χ²/NDF:47022.5/26
Out: -20.158+/-0.010 χ²/NDF:230211.8/30
All: -20.245+/-0.007 χ²/NDF: 277386.0/57



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: -3.495+/-0.108 χ^2/NDF:695.9/10

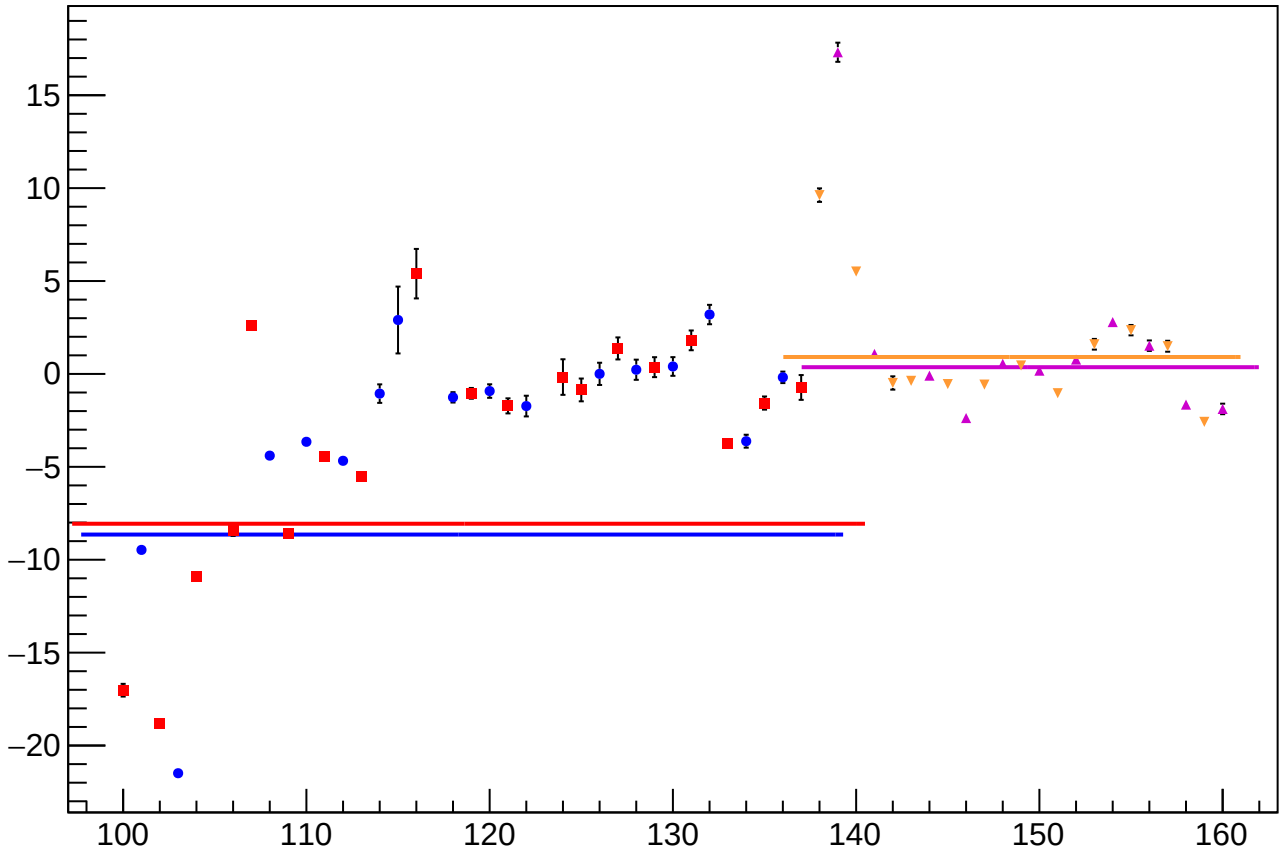
Left: -4.222+/-0.076 χ^2/NDF: 2393.4/22

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.719+/-0.049 χ^2/NDF:1649.1/26

Out: -1.588+/-0.046 χ^2/NDF:4195.2/30

All: -1.650+/-0.033 χ^2/NDF: 5848.1/57



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: 0.363+/-0.077 χ^2/NDF:1493.1/10

Left: 0.645+/-0.053 χ^2/NDF: 2914.9/22

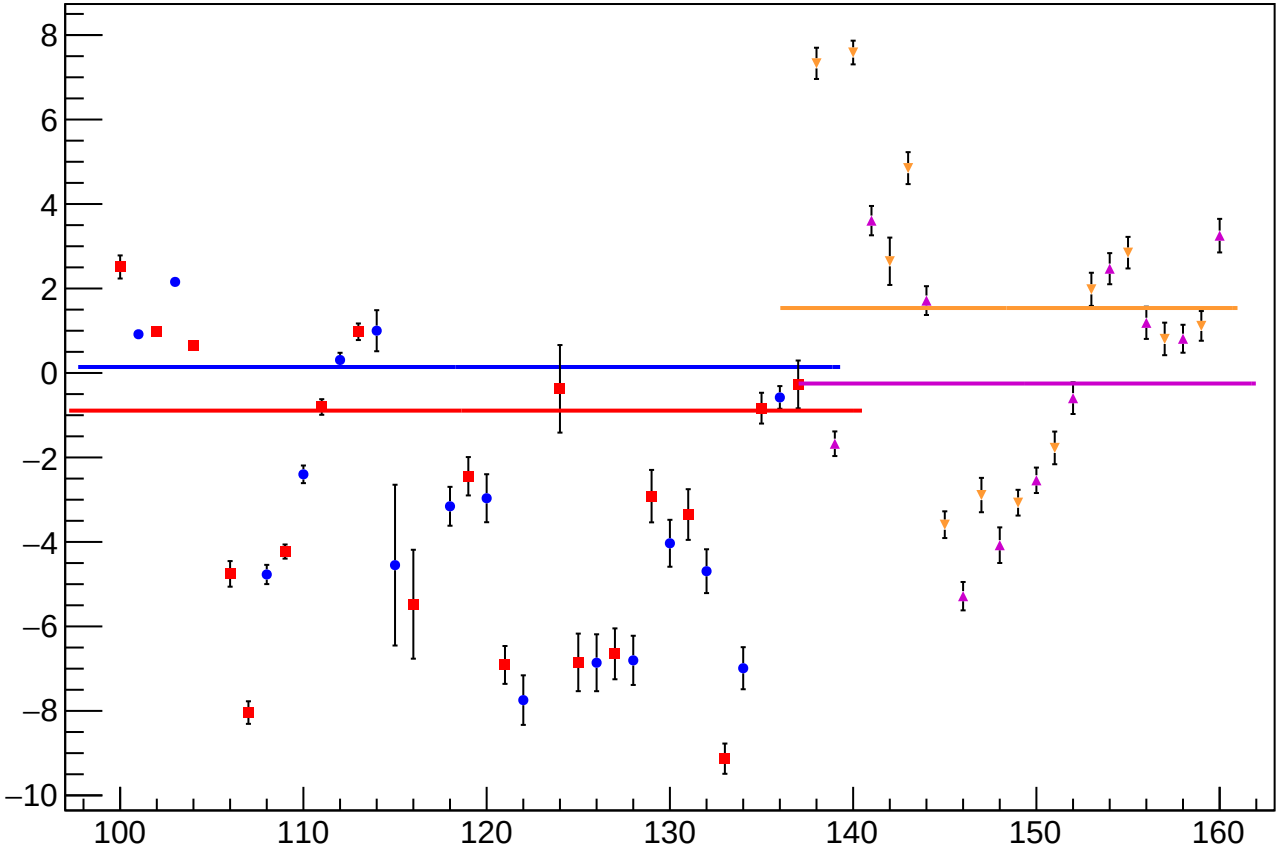
Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.434+/-0.046 χ^2/NDF:24242.0/26

Out: -4.704+/-0.045 χ^2/NDF:24939.0/30

All: -5.068+/-0.032 χ^2/NDF: 49309.2/57

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.250+/-0.105 χ^2/NDF:702.4/10

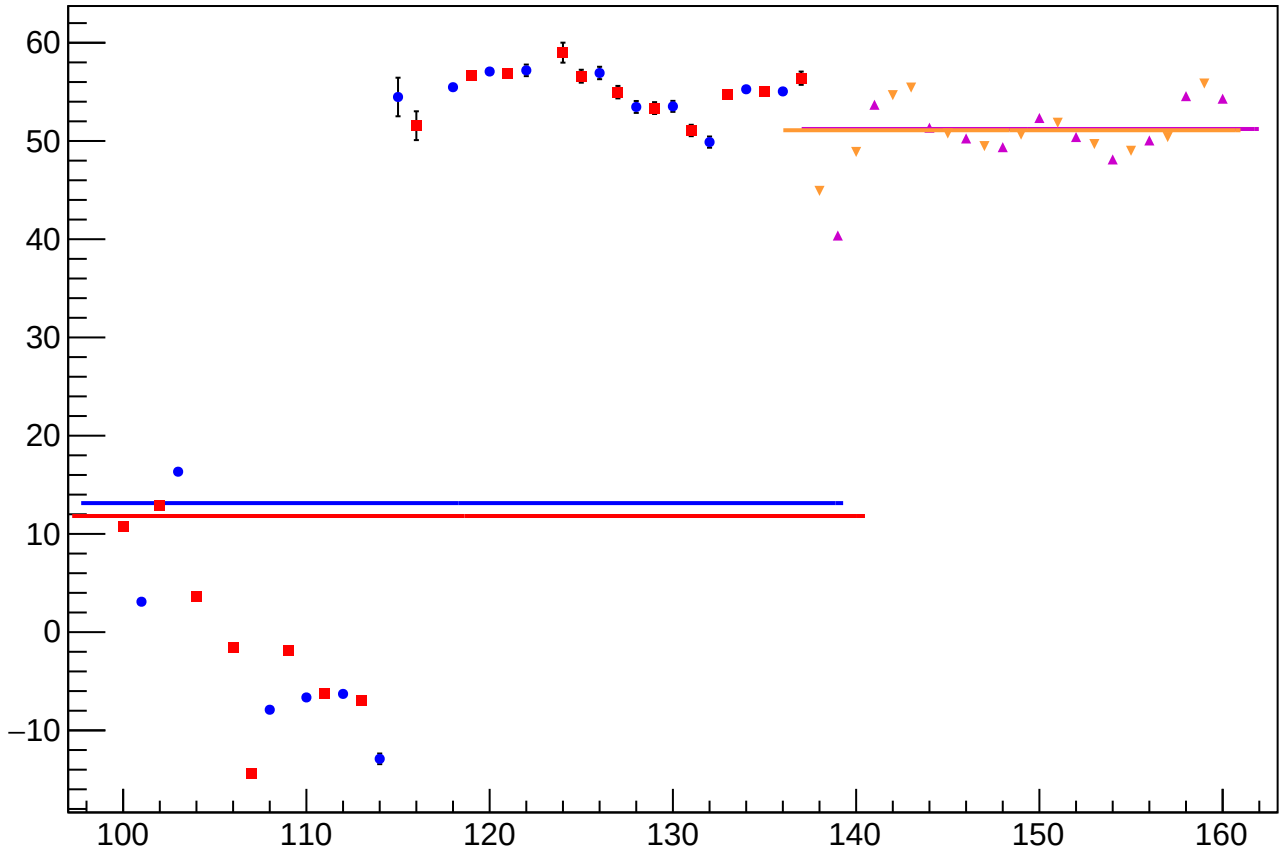
Left: 0.649+/-0.074 χ^2/NDF: 2340.4/22

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.062+/-0.047 χ^2/NDF:2673.3/26

Out: -0.383+/-0.048 χ^2/NDF:4907.1/30

All: -0.158+/-0.034 χ^2/NDF: 7624.2/57



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: 51.222+/-0.089 χ^2/NDF:1012.9/10

Left: 51.157+/-0.063 χ^2/NDF: 1982.0/22

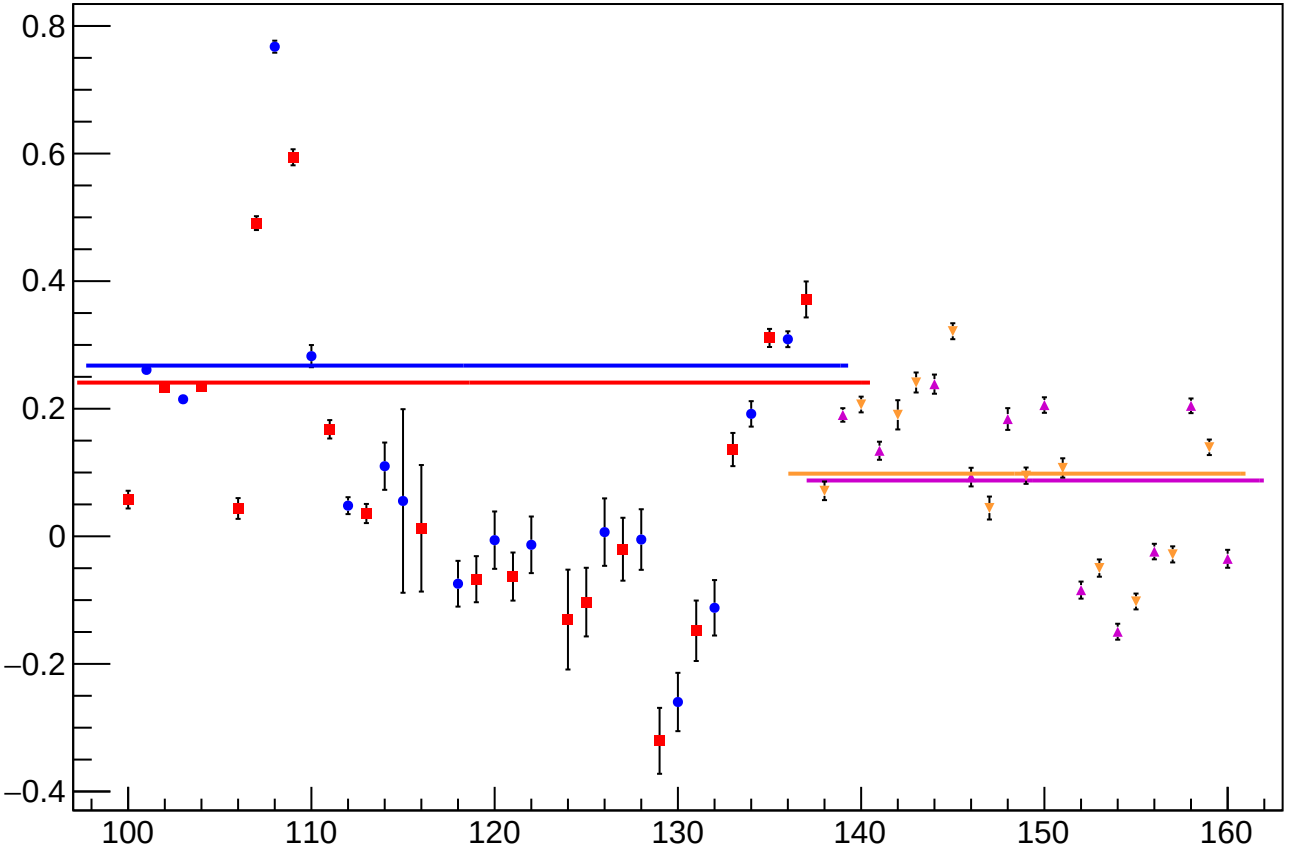
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 27.112+/-0.054 χ^2/NDF:224895.3/26

Out: 26.431+/-0.054 χ^2/NDF:243766.0/30

All: 26.770+/-0.038 χ^2/NDF: 468741.1/57

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: 0.088+/-0.004 χ^2/NDF:1121.1/10

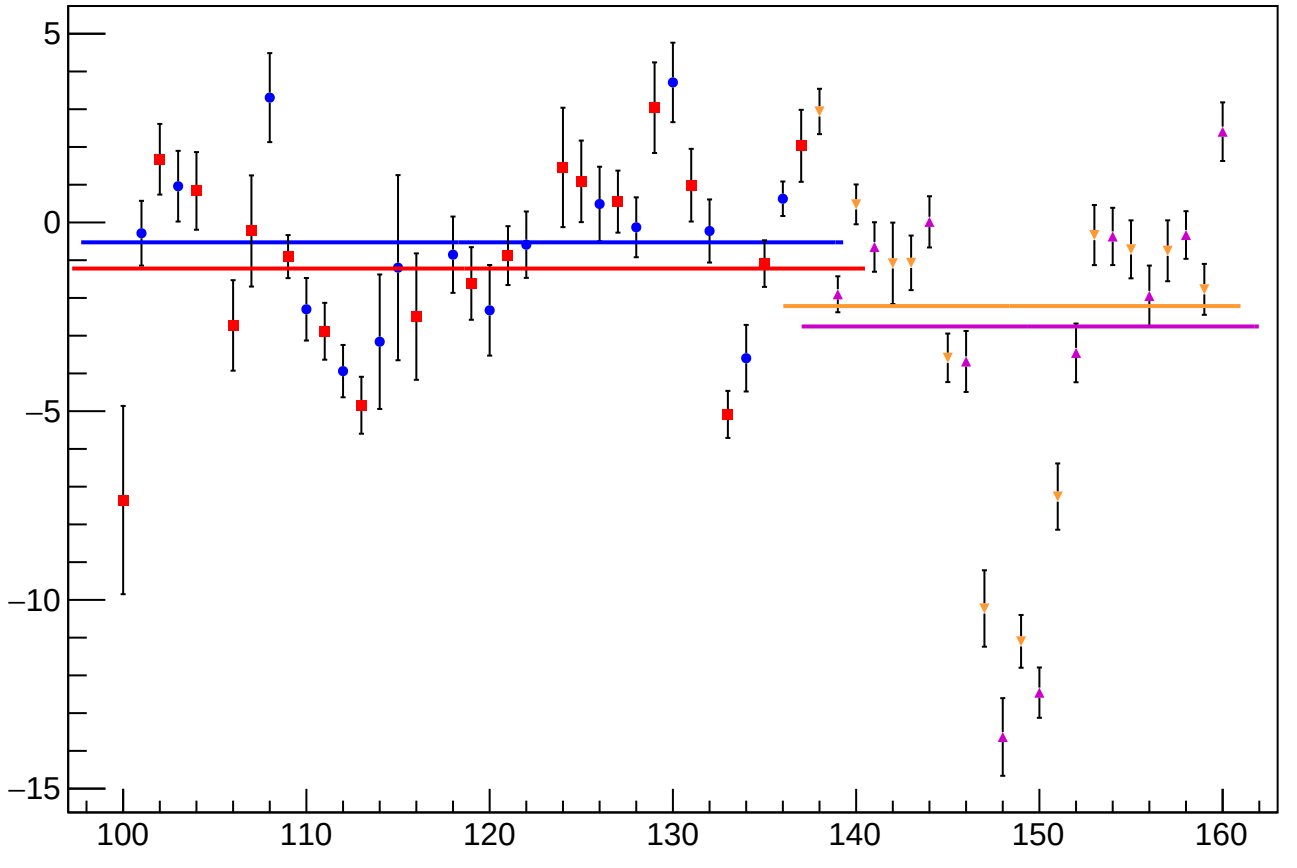
Left: 0.093+/-0.003 χ^2/NDF: 2125.4/22

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.207+/-0.002 χ^2/NDF:6234.6/26

Out: 0.195+/-0.002 χ^2/NDF:4202.4/30

All: 0.201+/-0.002 χ^2/NDF: 10450.8/57



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: -2.756+/-0.210 χ^2/NDF:425.9/10

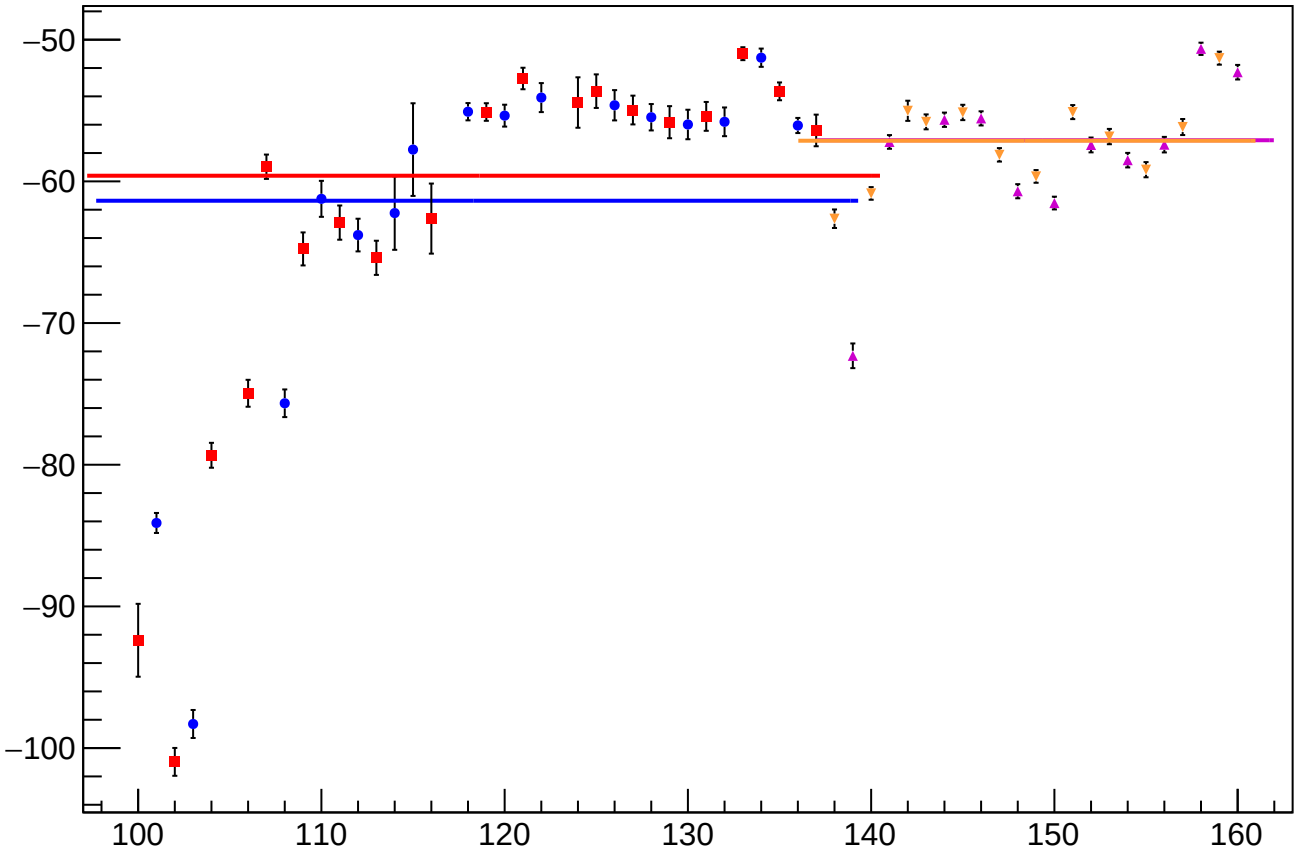
Left: -2.485+/-0.148 χ^2/NDF: 807.5/22

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.680+/-0.151 χ^2/NDF:563.2/26

Out: -1.707+/-0.146 χ^2/NDF:520.7/30

All: -1.694+/-0.105 χ^2/NDF: 1083.9/57



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: -57.097+/-0.154 χ^2/NDF:789.2/10

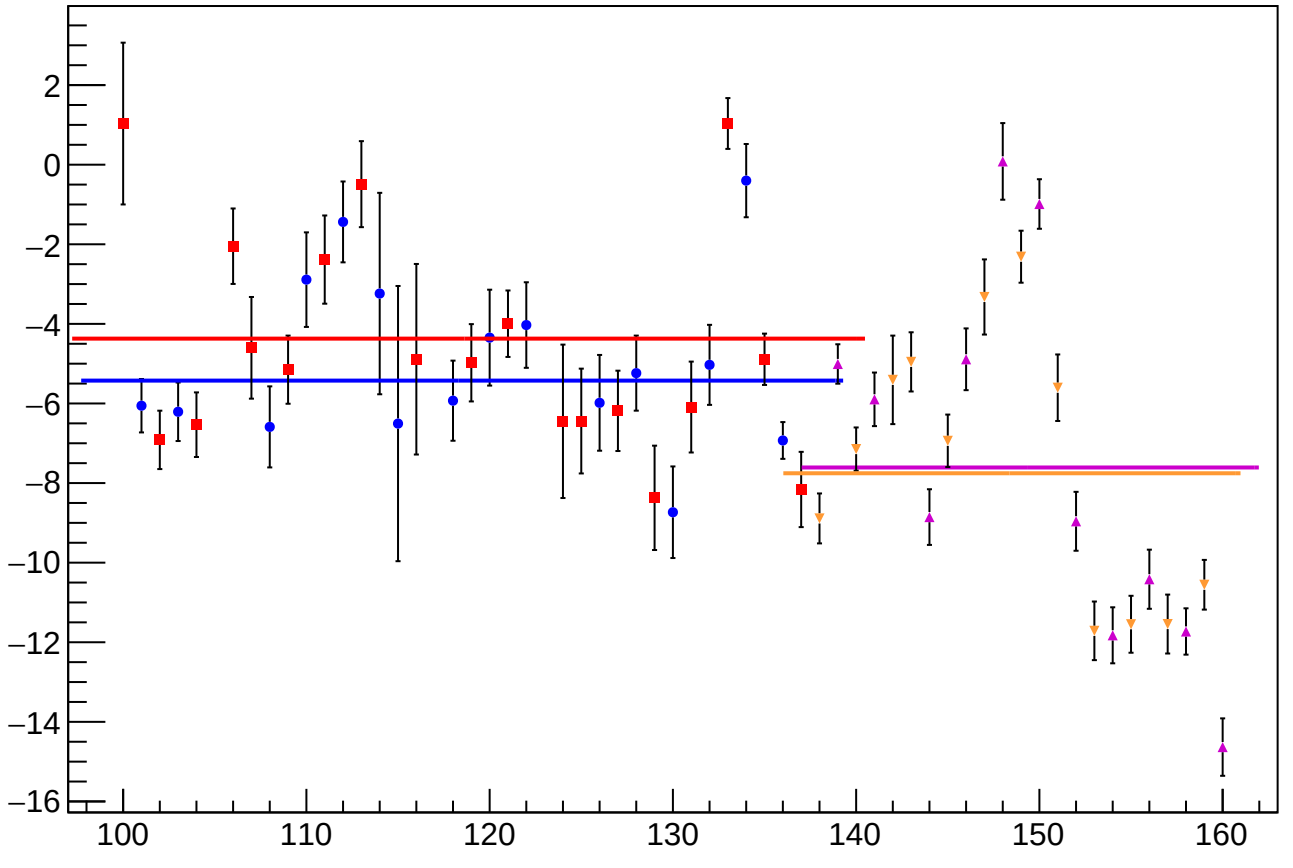
Left: -57.114+/-0.107 χ^2/NDF: 1188.8/22

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.506+/-0.126 χ^2/NDF:4395.1/26

Out: -57.983+/-0.121 χ^2/NDF:3914.5/30

All: -58.235+/-0.087 χ^2/NDF: 8318.6/57



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: -7.609+/-0.203 χ^2/NDF:424.8/10

Left: -7.681+/-0.144 χ^2/NDF: 651.2/22

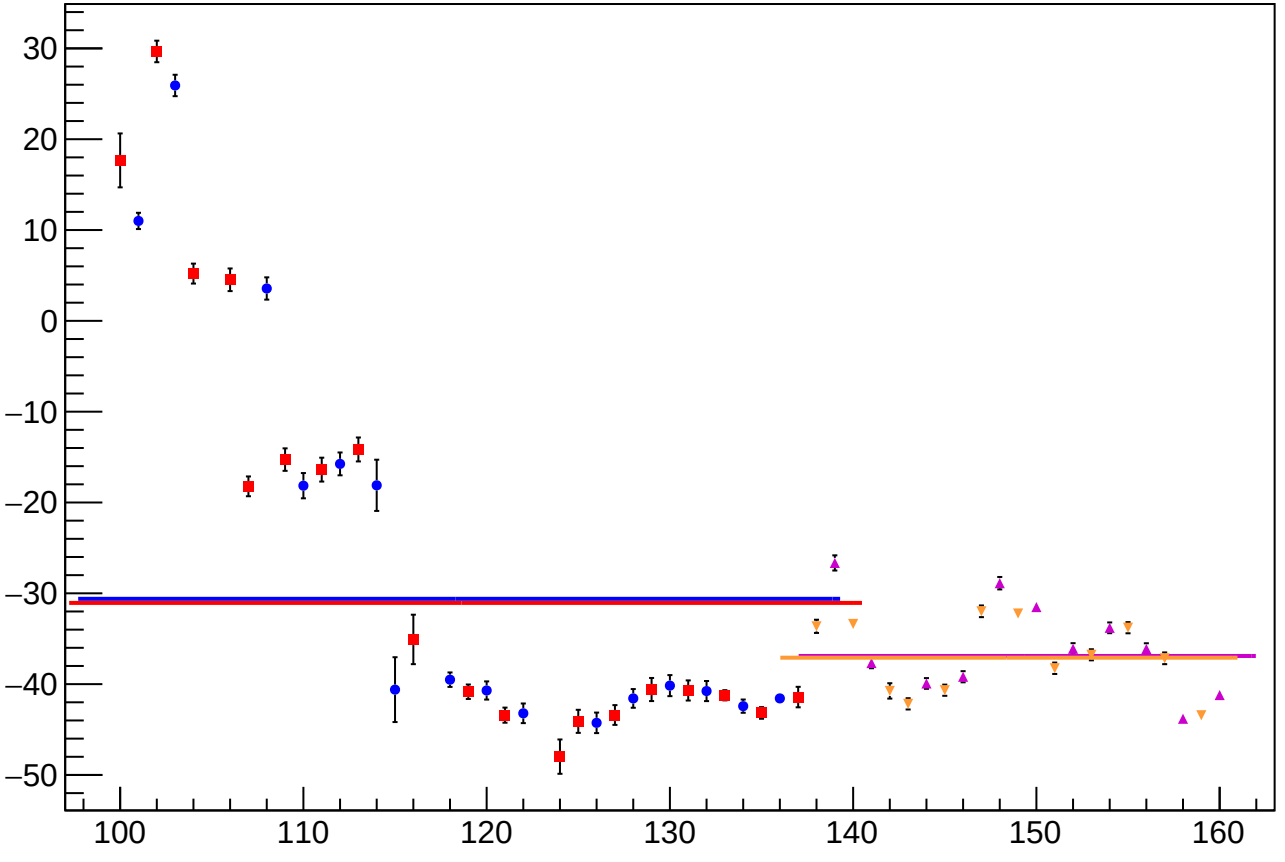
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -6.650+/-0.152 χ^2/NDF:551.4/26

Out: -6.205+/-0.151 χ^2/NDF:508.1/30

All: -6.425+/-0.107 χ^2/NDF: 1063.7/57

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: -36.900+/-0.177 χ^2/NDF:758.4/10

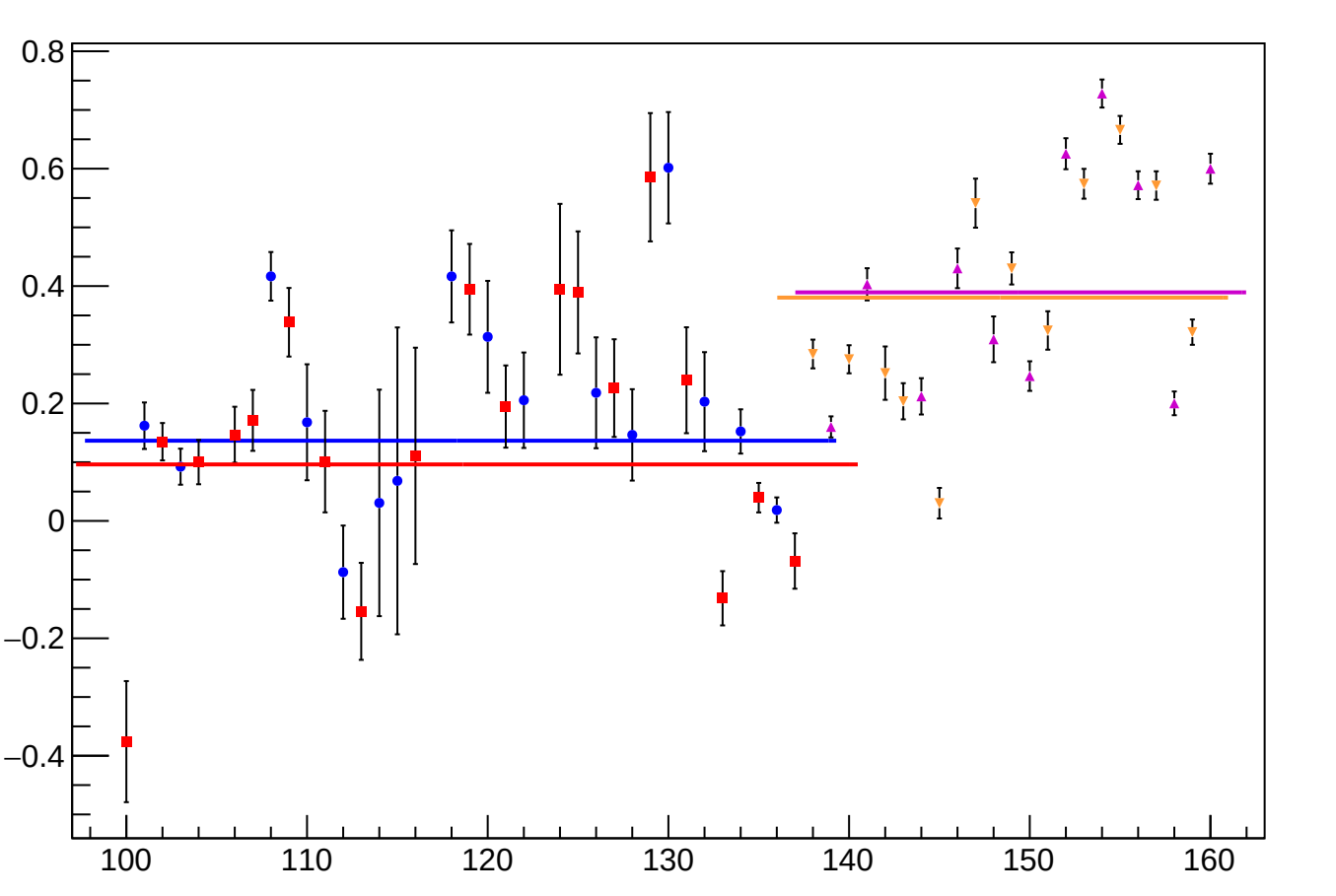
Left: -36.995+/-0.125 χ^2/NDF: 1299.4/22

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -34.795+/-0.144 χ^2/NDF:8120.5/26

Out: -34.960+/-0.141 χ^2/NDF:7933.4/30

All: -34.879+/-0.101 χ^2/NDF: 16054.6/57



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: 0.389+/-0.008 χ^2/NDF:730.2/10

Left: 0.385+/-0.005 χ^2/NDF: 1280.7/22

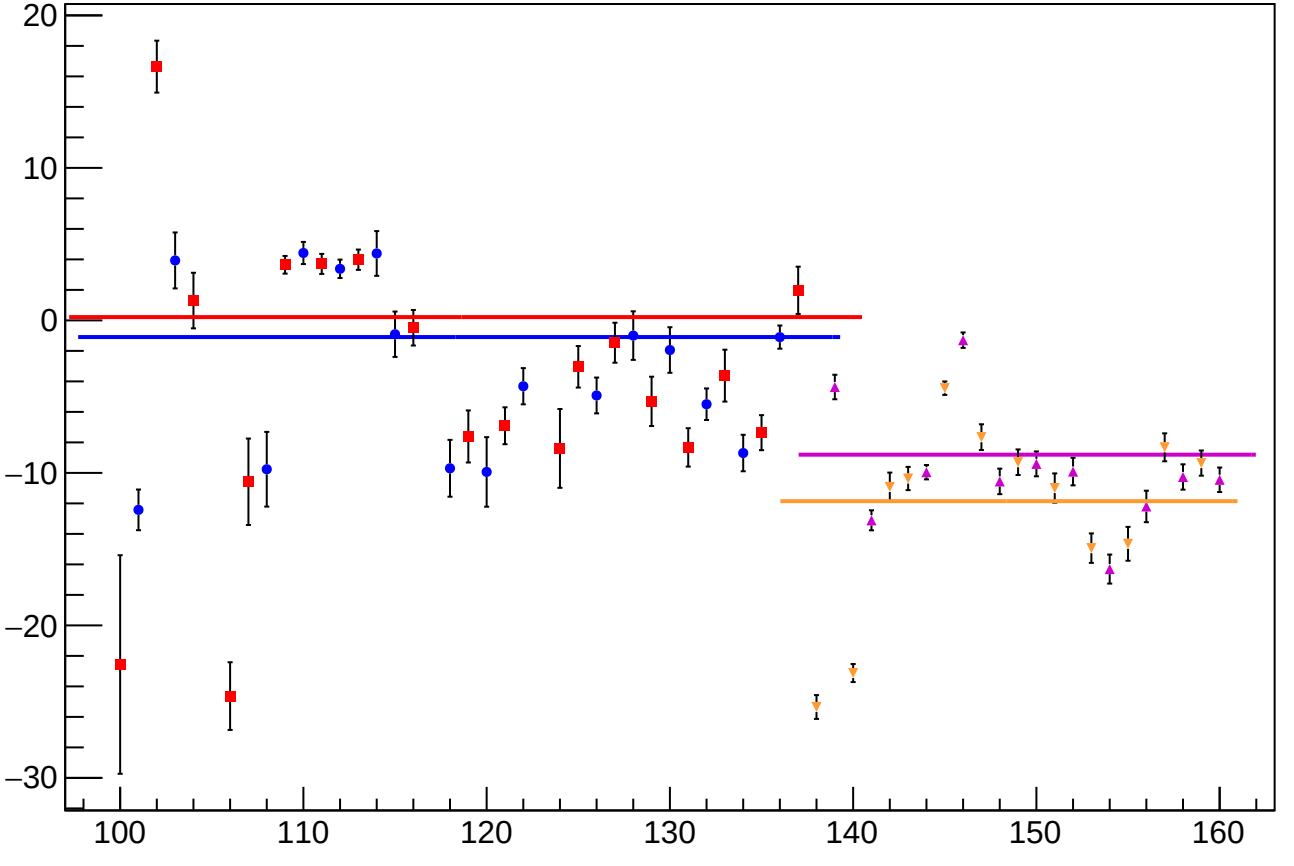
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.322+/-0.006 χ^2/NDF:1158.7/26

Out: 0.299+/-0.007 χ^2/NDF:1076.3/30

All: 0.311+/-0.005 χ^2/NDF: 2240.9/57

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -8.805+/-0.216 χ^2/NDF:385.8/10

Left: -10.309+/-0.154 χ^2/NDF: 1506.4/22

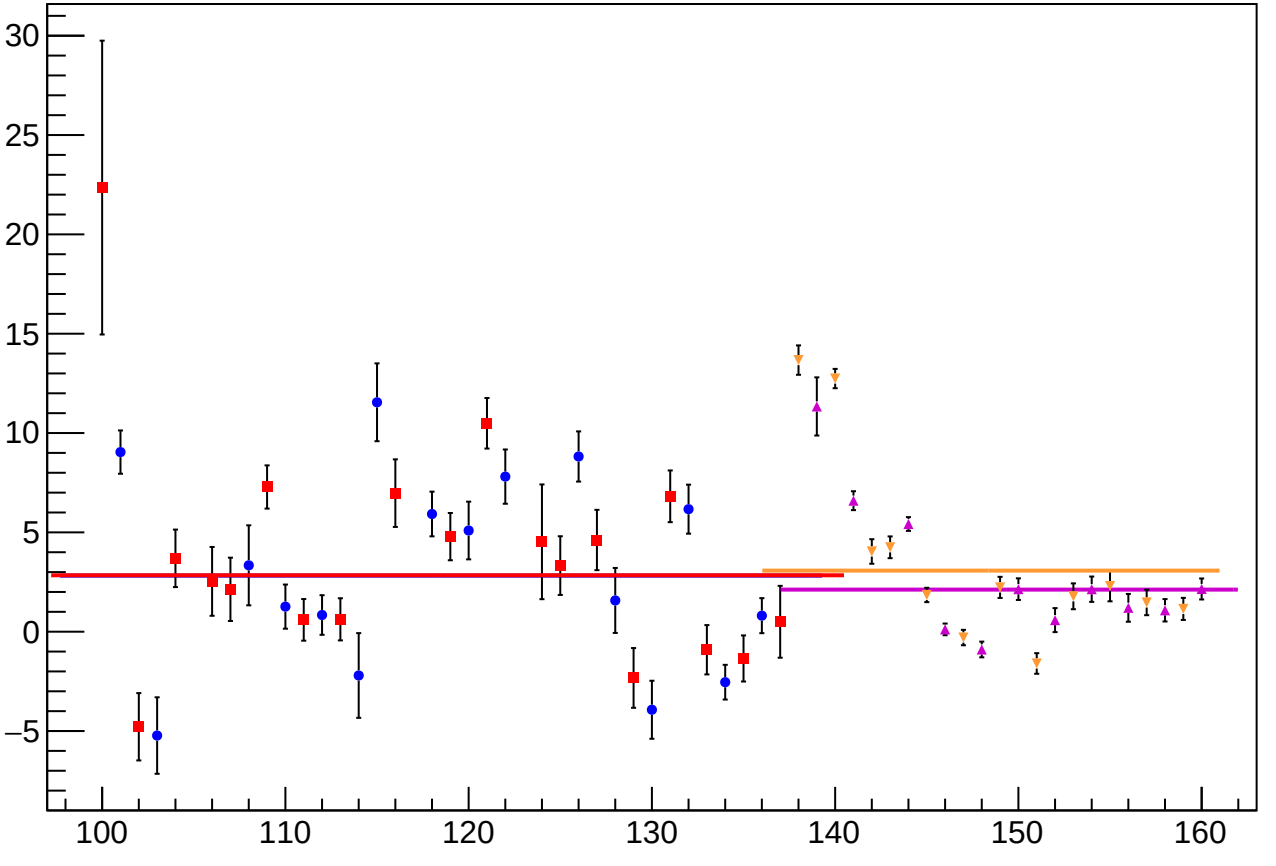
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -5.938+/-0.171 χ^2/NDF:1192.5/26

Out: -6.989+/-0.169 χ^2/NDF:2770.3/30

All: -6.470+/-0.120 χ^2/NDF: 3981.9/57

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: 2.119+/-0.144 χ^2/NDF:334.8/10

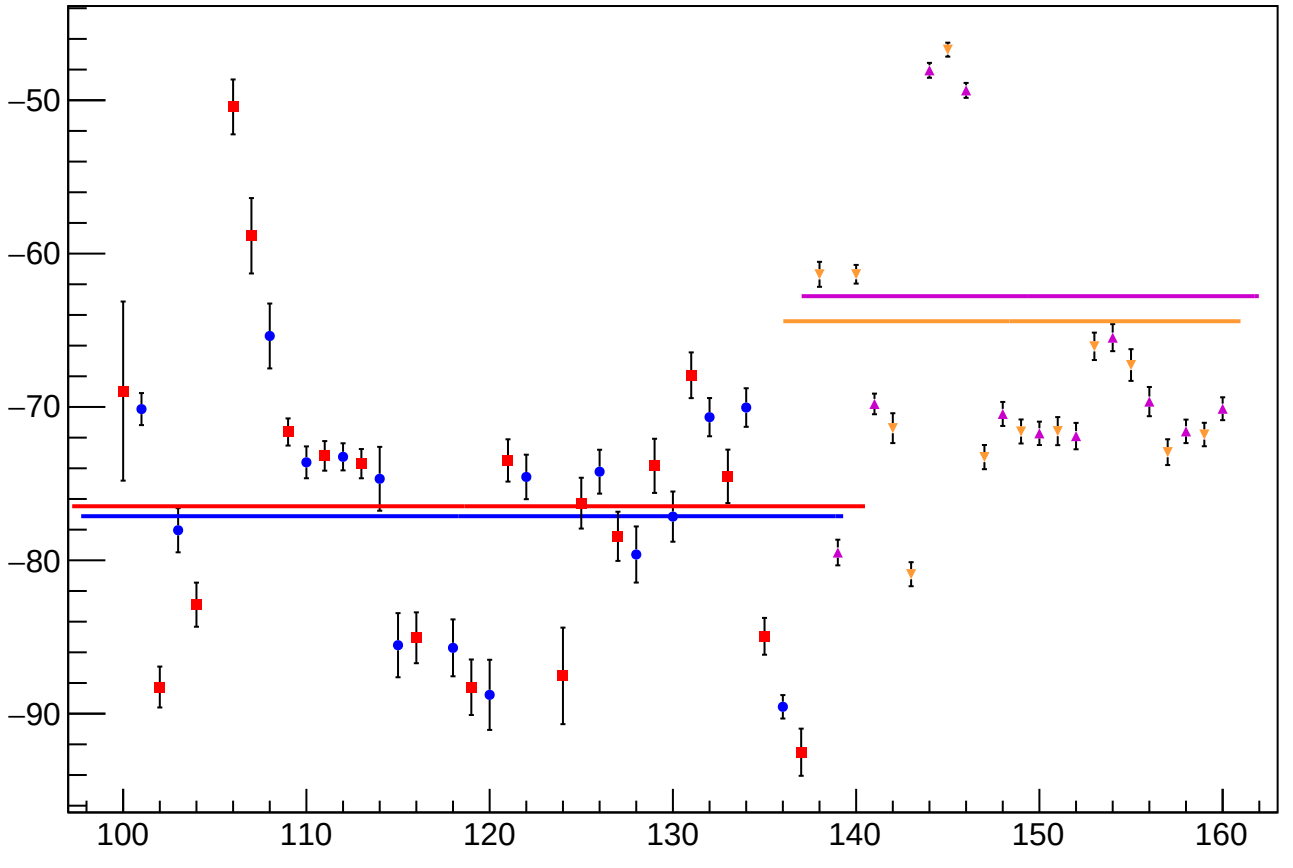
Left: 2.570+/-0.104 χ^2/NDF: 1156.9/22

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.241+/-0.131 χ^2/NDF:538.5/26

Out: 3.032+/-0.137 χ^2/NDF:946.6/30

All: 2.616+/-0.095 χ^2/NDF: 1502.5/57



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: -62.776+/-0.210 χ^2/NDF:2822.3/10

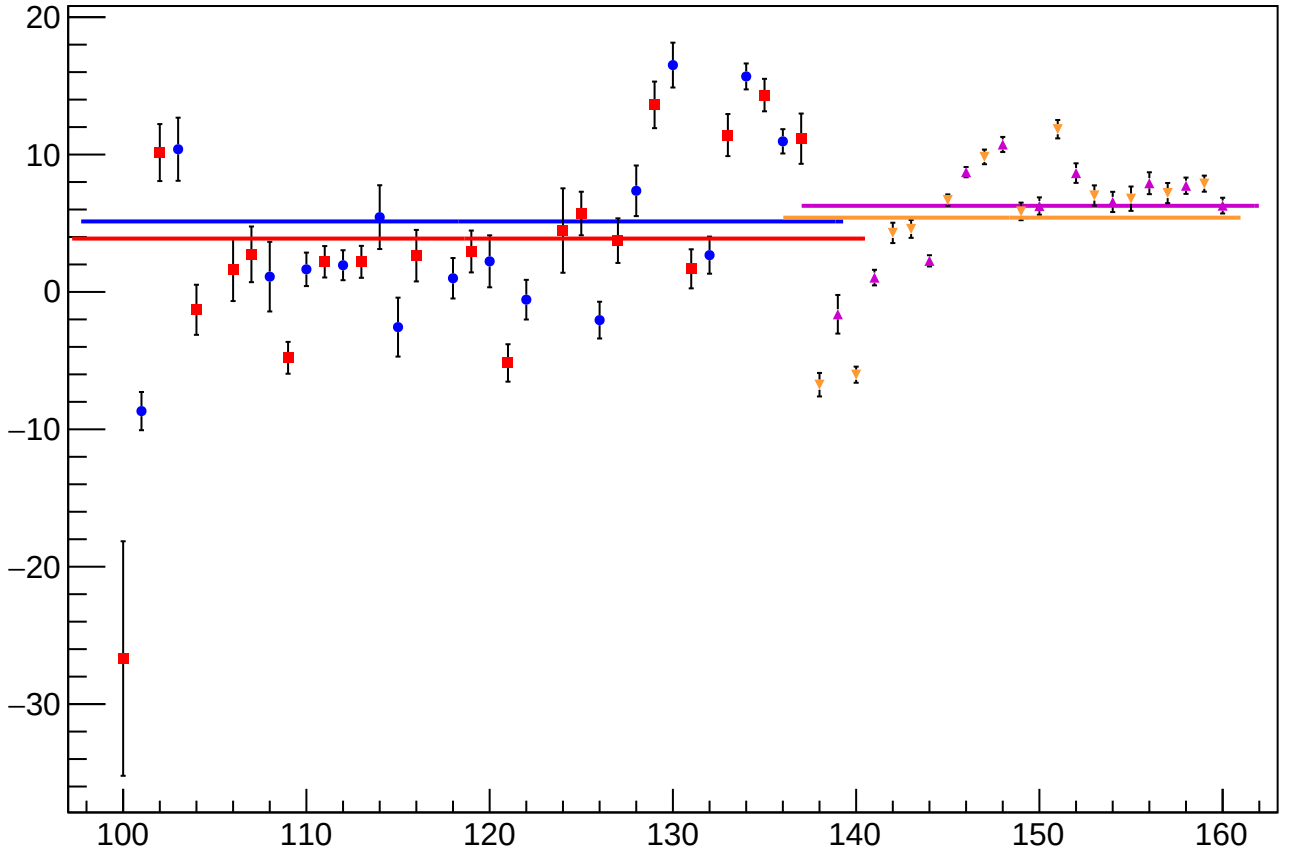
Left: -63.570+/-0.151 χ^2/NDF: 5375.9/22

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.978+/-0.177 χ^2/NDF:4692.8/26

Out: -68.049+/-0.180 χ^2/NDF:4162.2/30

All: -67.502+/-0.126 χ^2/NDF: 8873.0/57



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: 6.270+/-0.172 χ^2/NDF:343.8/10

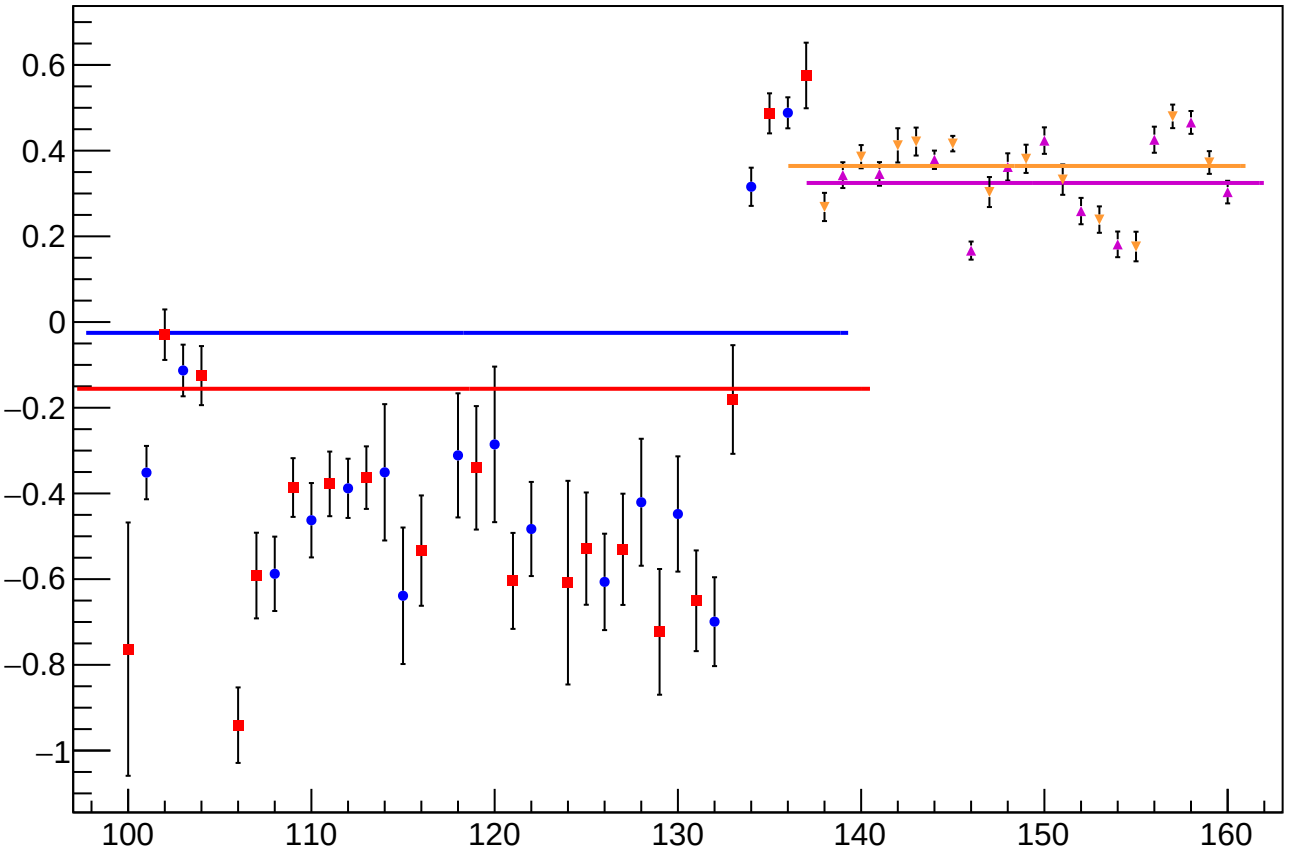
Left: 5.862+/-0.125 χ^2/NDF: 1144.2/22

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 6.049+/-0.154 χ^2/NDF:764.7/26

Out: 5.101+/-0.162 χ^2/NDF:1094.1/30

All: 5.599+/-0.112 χ^2/NDF: 1876.7/57



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: 0.325+/-0.008 χ^2/NDF:142.0/10

Left: 0.344+/-0.006 χ^2/NDF: 243.4/22

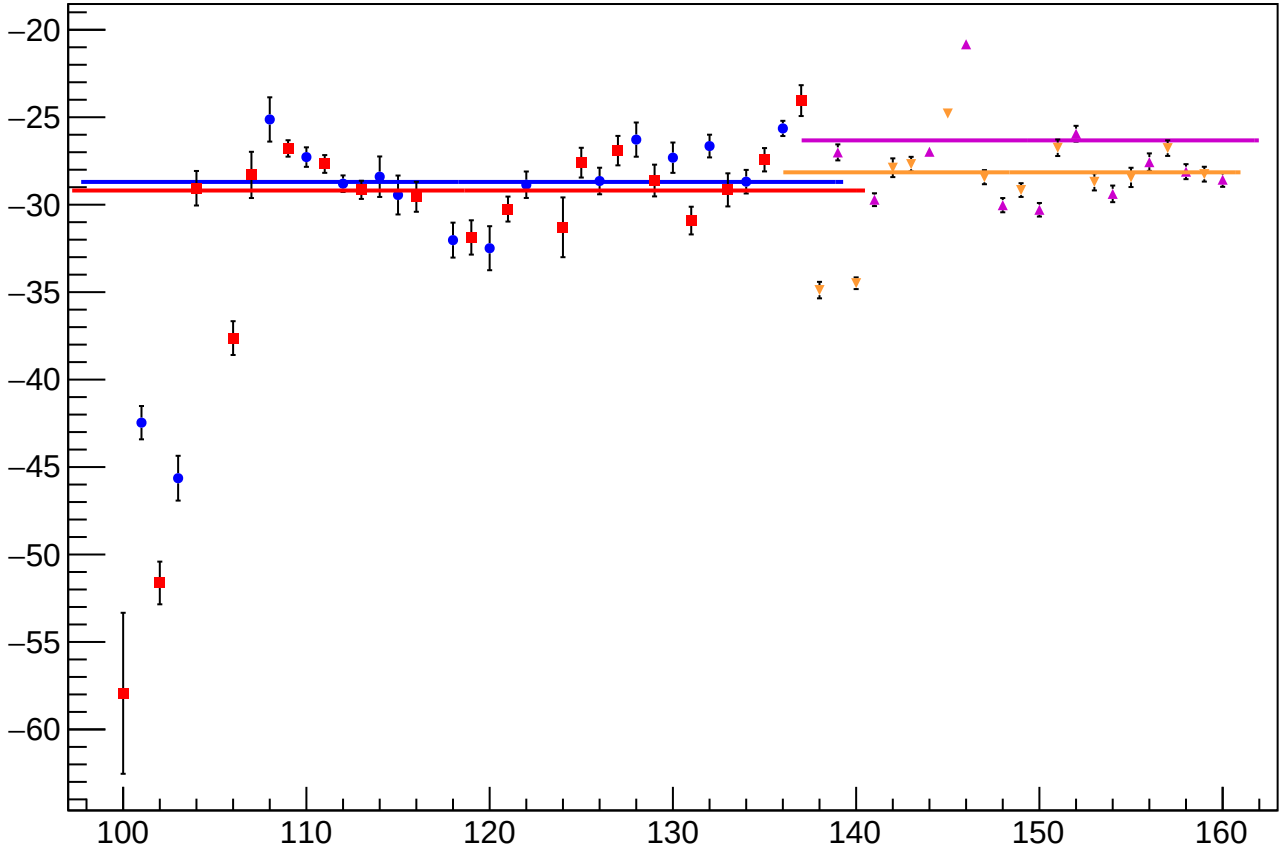
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.270+/-0.008 χ^2/NDF:942.0/26

Out: 0.287+/-0.008 χ^2/NDF:1148.7/30

All: 0.278+/-0.005 χ^2/NDF: 2093.4/57

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: -26.323+/-0.104 χ^2/NDF:1089.4/10

Left: -27.183+/-0.076 χ^2/NDF: 2101.4/22

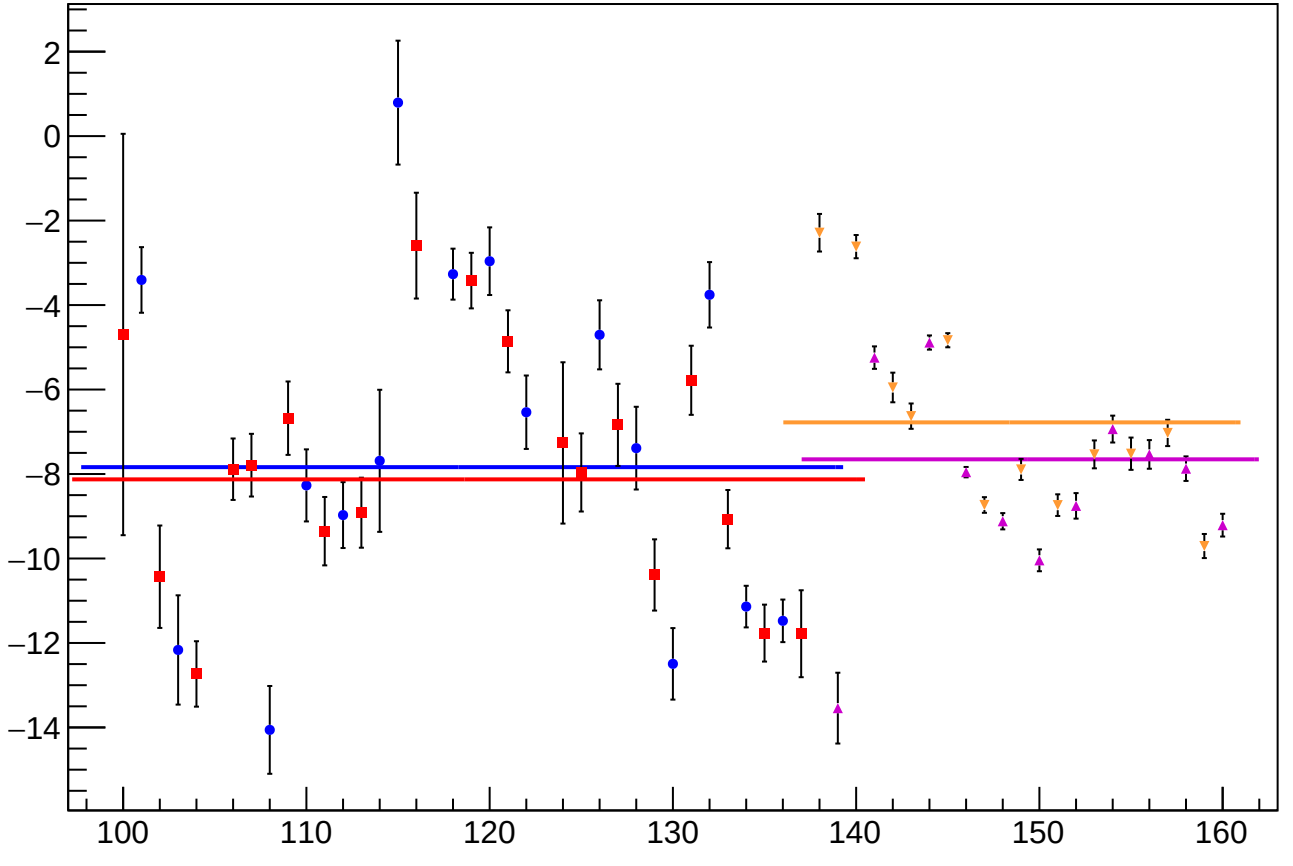
Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.890+/-0.091 χ^2/NDF:1701.0/26

Out: -28.430+/-0.094 χ^2/NDF:1448.3/30

All: -27.632+/-0.065 χ^2/NDF: 3287.9/57

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -7.652+/-0.068 χ^2/NDF:603.5/10

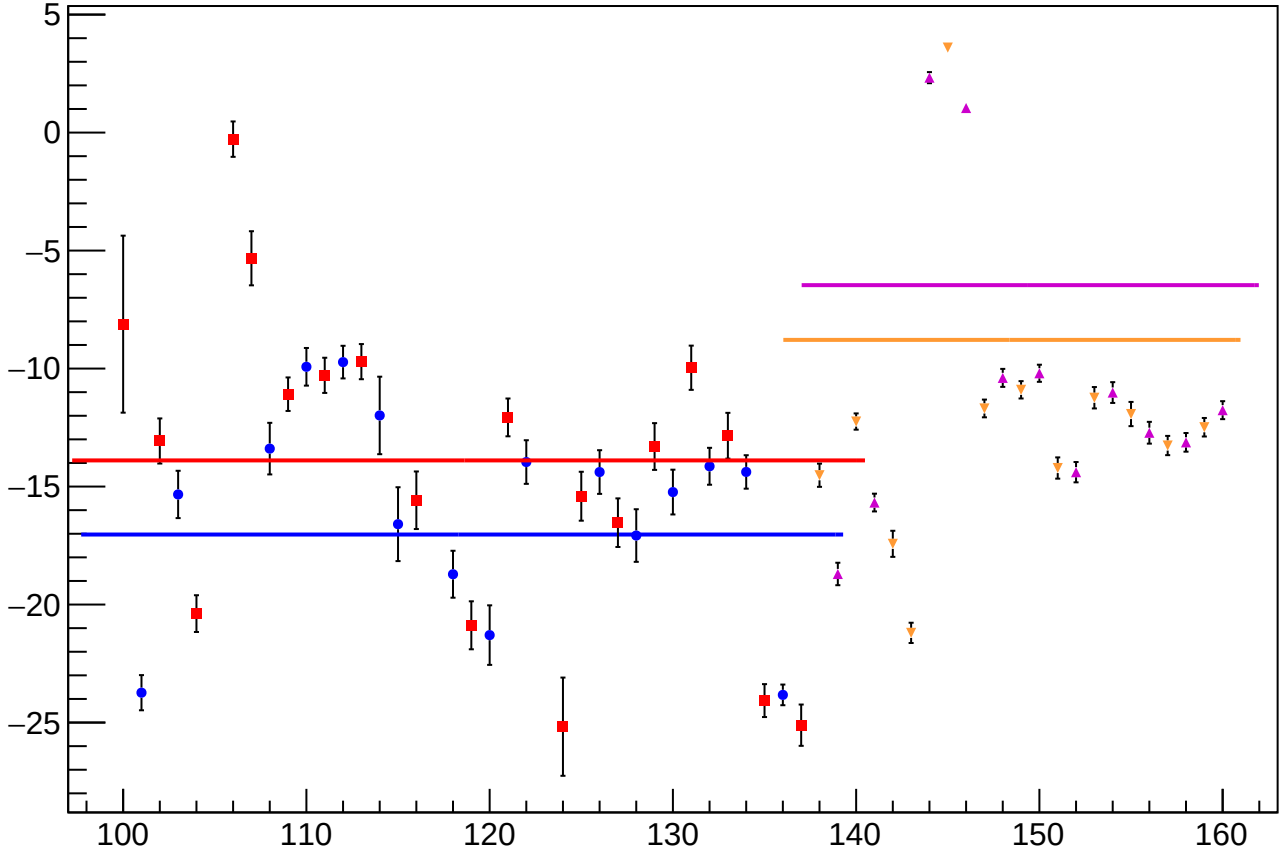
Left: -7.262+/-0.051 χ^2/NDF: 1452.7/22

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.673+/-0.064 χ^2/NDF:987.5/26

Out: -6.954+/-0.071 χ^2/NDF:1014.4/30

All: -7.348+/-0.048 χ^2/NDF: 2058.1/57



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: -6.465+/-0.101 χ^2/NDF:5407.0/10

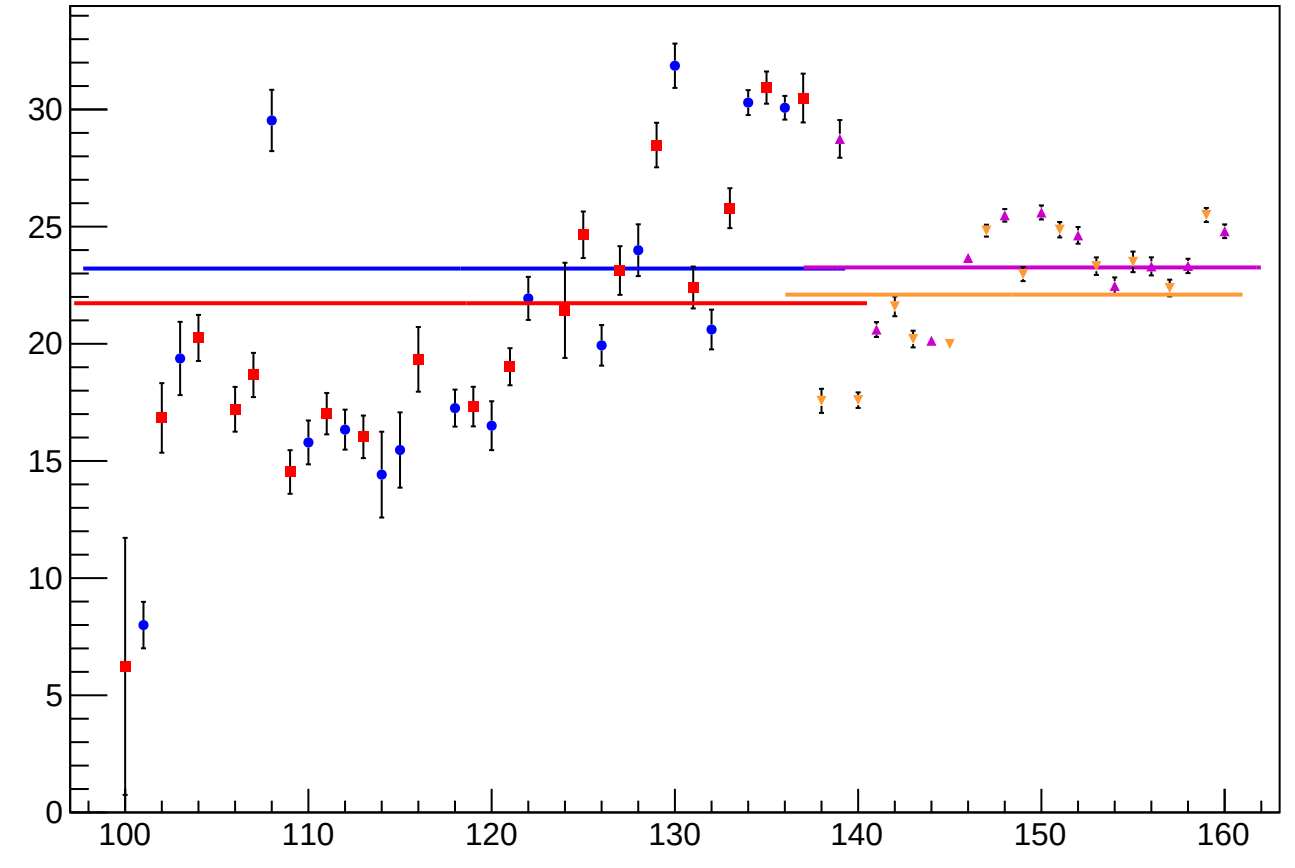
Left: -7.542+/-0.074 χ^2/NDF: 11030.2/22

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.461+/-0.091 χ^2/NDF:8074.5/26

Out: -9.866+/-0.096 χ^2/NDF:6865.1/30

All: -9.124+/-0.066 χ^2/NDF: 15052.0/57



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: 23.258+/-0.082 χ^2/NDF:552.1/10

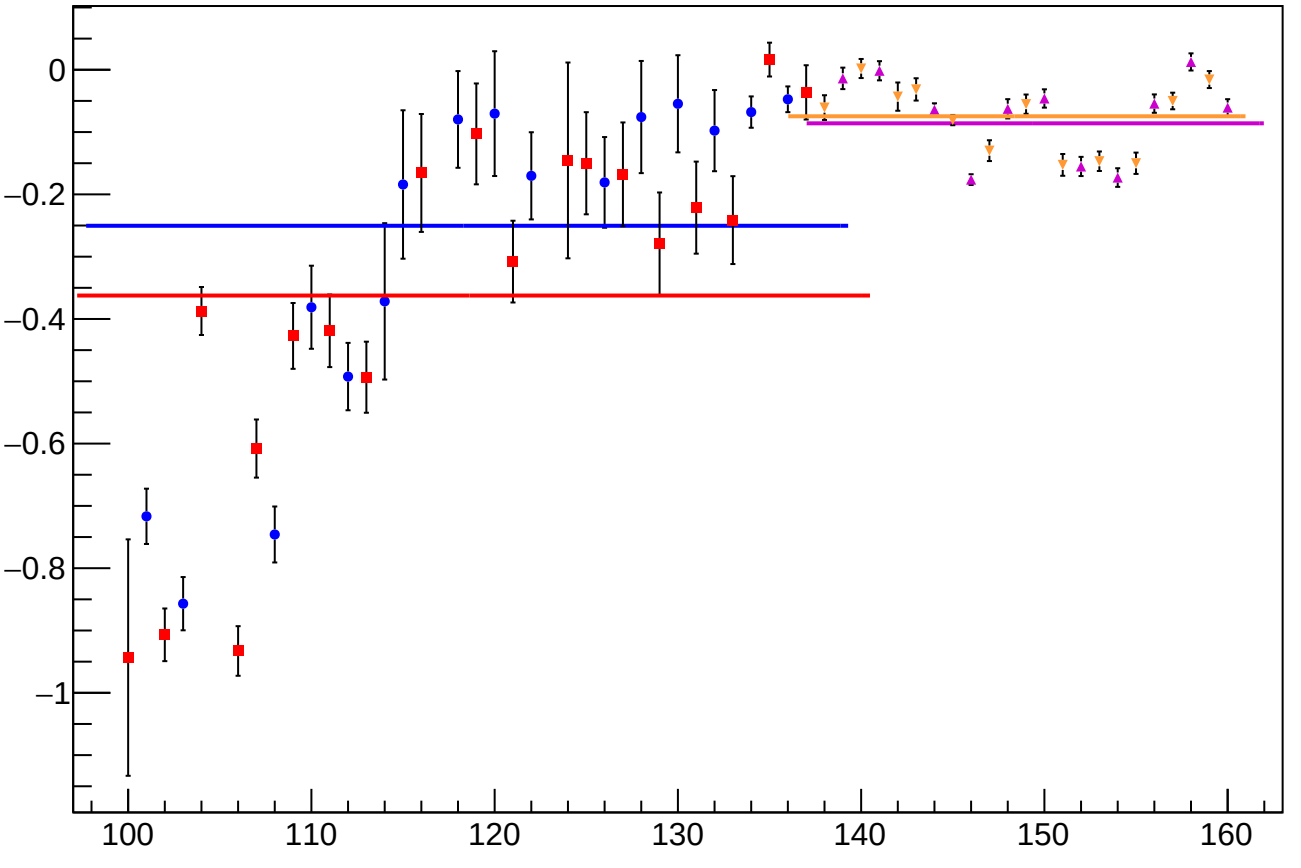
Left: 22.739+/-0.061 χ^2/NDF: 1397.6/22

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.252+/-0.077 χ^2/NDF:1560.4/26

Out: 22.047+/-0.084 χ^2/NDF:1316.5/30

All: 22.706+/-0.057 χ^2/NDF: 2988.6/57



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: -0.086+/-0.004 χ^2/NDF:284.6/10

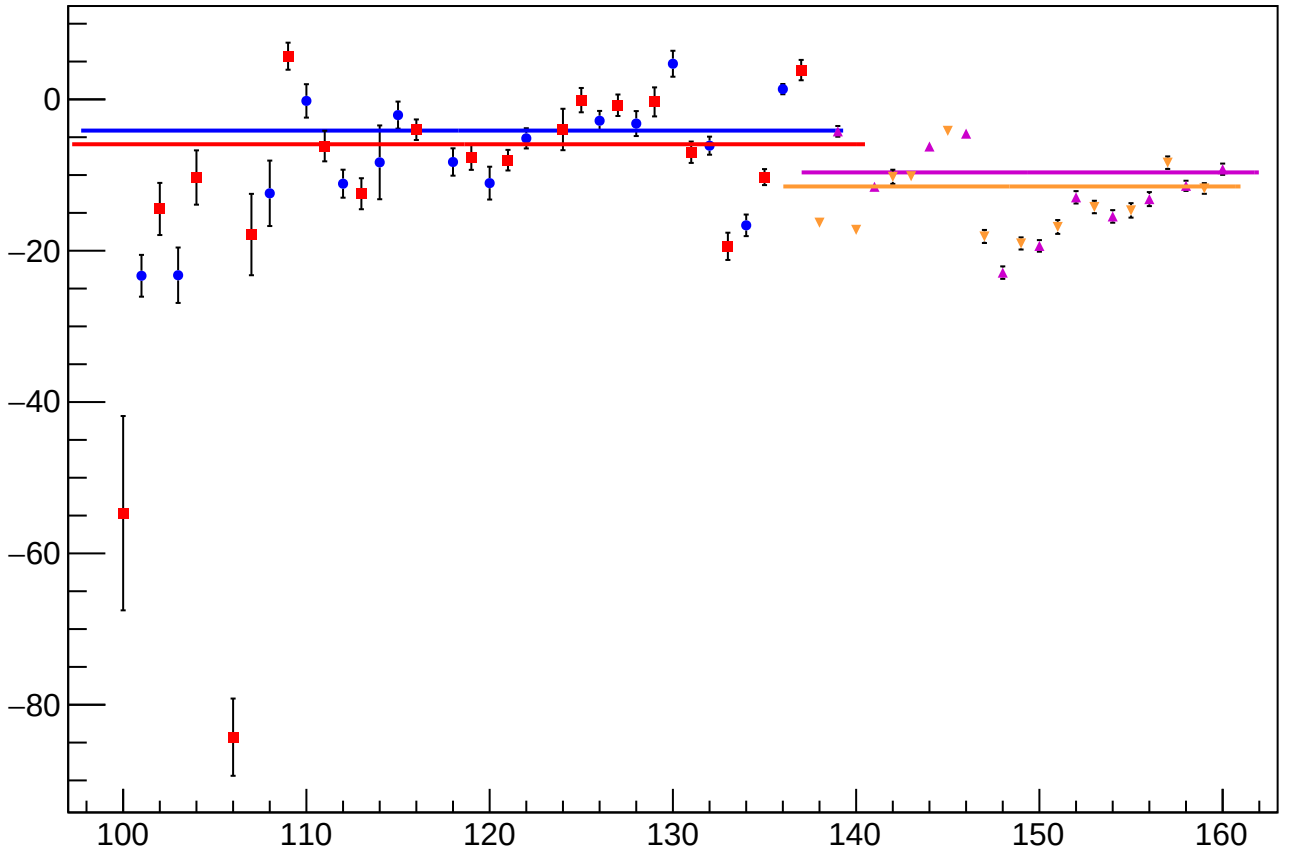
Left: -0.081+/-0.003 χ^2/NDF: 417.5/22

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.004 χ^2/NDF:1096.3/26

Out: -0.105+/-0.004 χ^2/NDF:1319.5/30

All: -0.104+/-0.003 χ^2/NDF: 2415.9/57



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: -9.651+/-0.190 χ^2/NDF:797.6/10

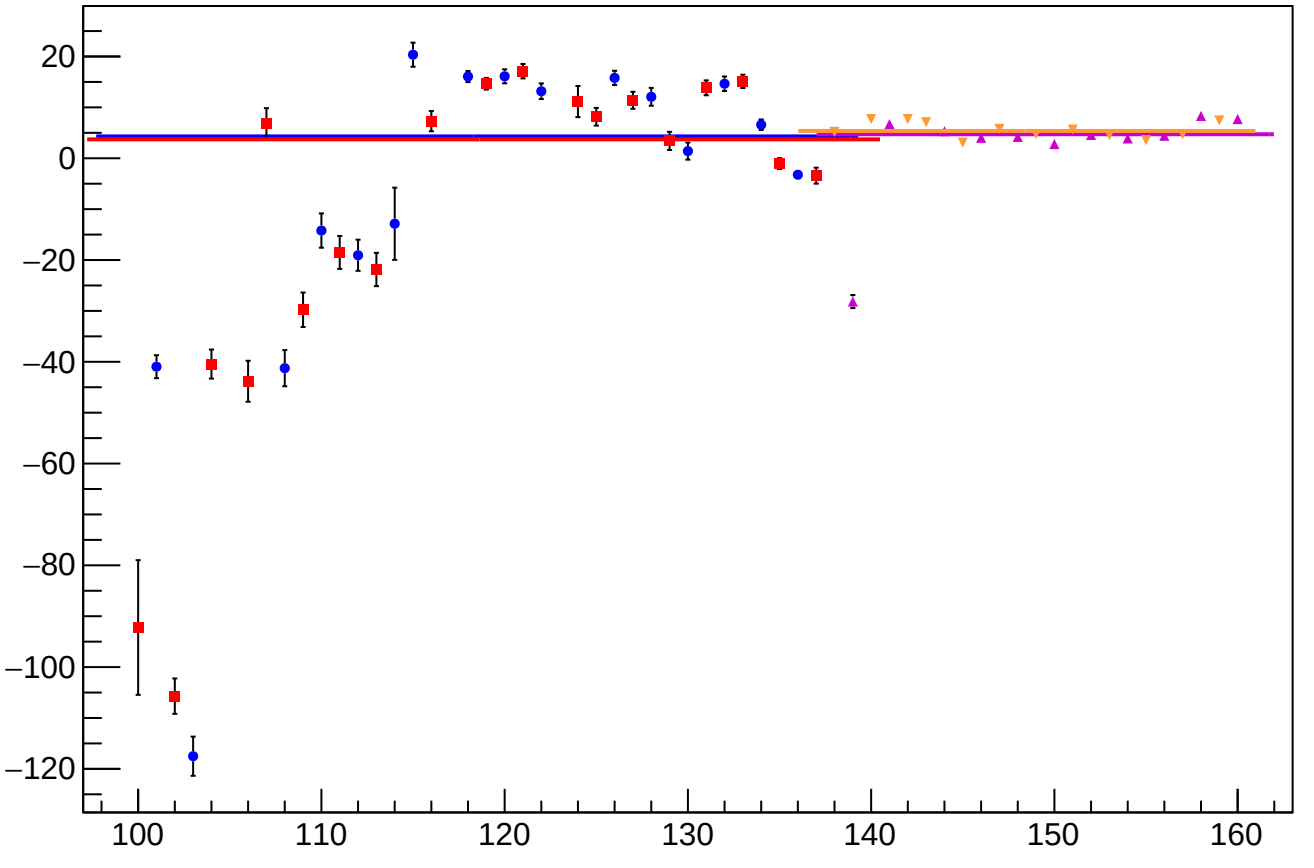
Left: -10.561+/-0.136 χ^2/NDF: 1628.8/22

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.550+/-0.170 χ^2/NDF:1253.4/26

Out: -10.475+/-0.176 χ^2/NDF:1419.7/30

All: -9.484+/-0.122 χ^2/NDF: 2735.1/57



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: 4.721+/-0.128 χ^2/NDF:802.3/10

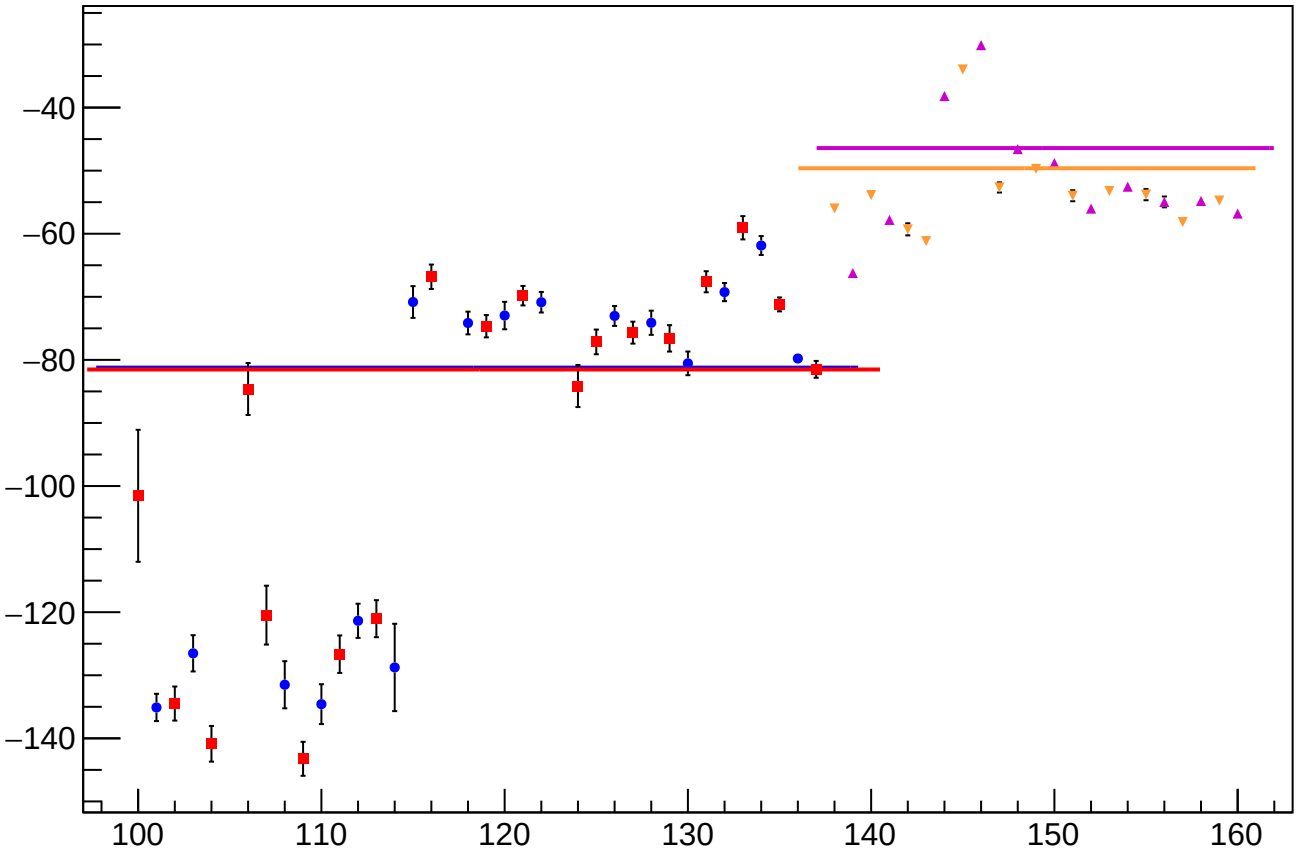
Left: 5.021+/-0.094 χ^2/NDF: 959.4/22

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.678+/-0.122 χ^2/NDF:2972.5/26

Out: 5.208+/-0.131 χ^2/NDF:2166.4/30

All: 4.924+/-0.089 χ^2/NDF: 5147.7/57



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: -46.420+/-0.185 χ^2/NDF:3851.2/10

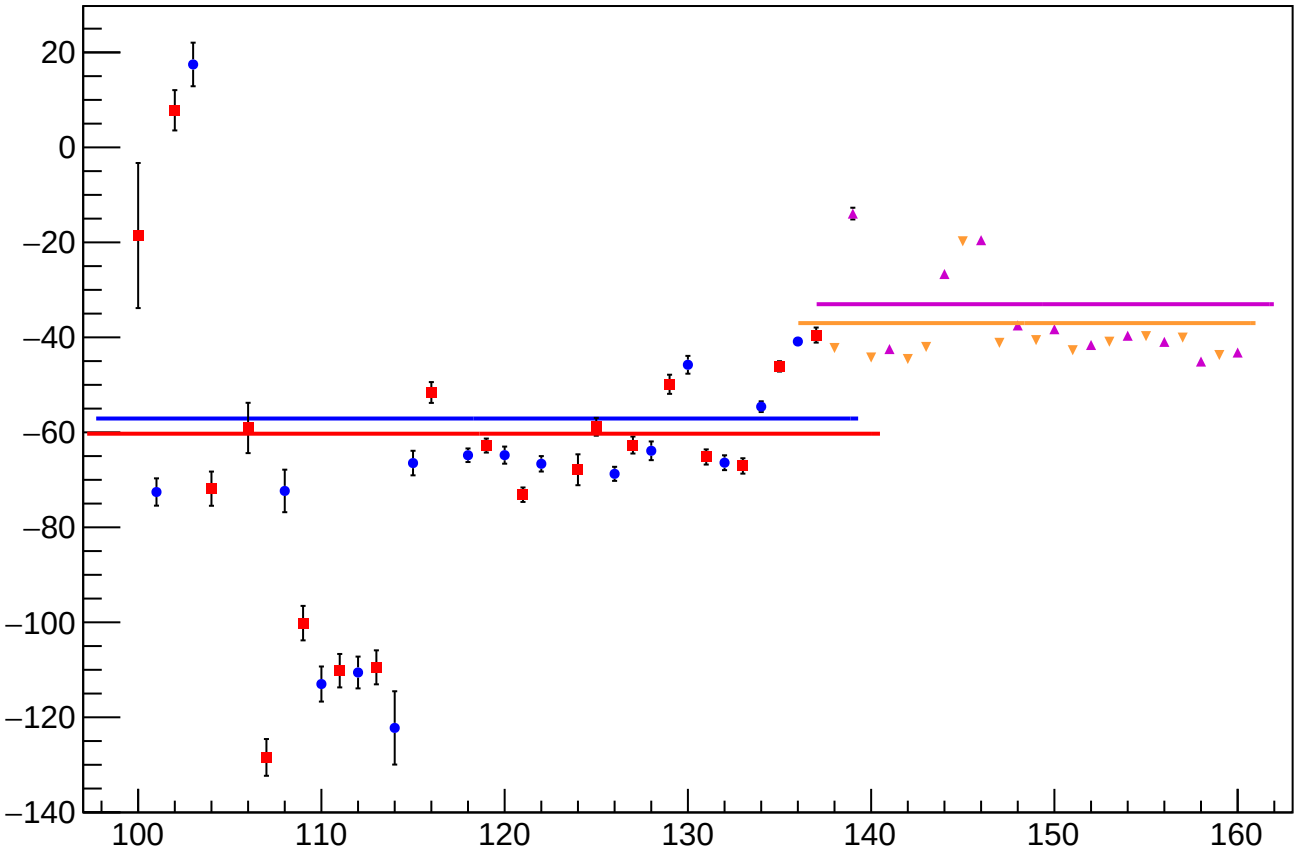
Left: -47.961+/-0.134 χ^2/NDF: 6508.5/22

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -52.165+/-0.169 χ^2/NDF:11645.6/26

Out: -54.348+/-0.178 χ^2/NDF:8875.3/30

All: -53.204+/-0.123 χ^2/NDF: 20599.9/57



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: -33.018+/-0.152 χ^2/NDF:4301.2/10

Left: -34.877+/-0.111 χ^2/NDF: 8018.9/22

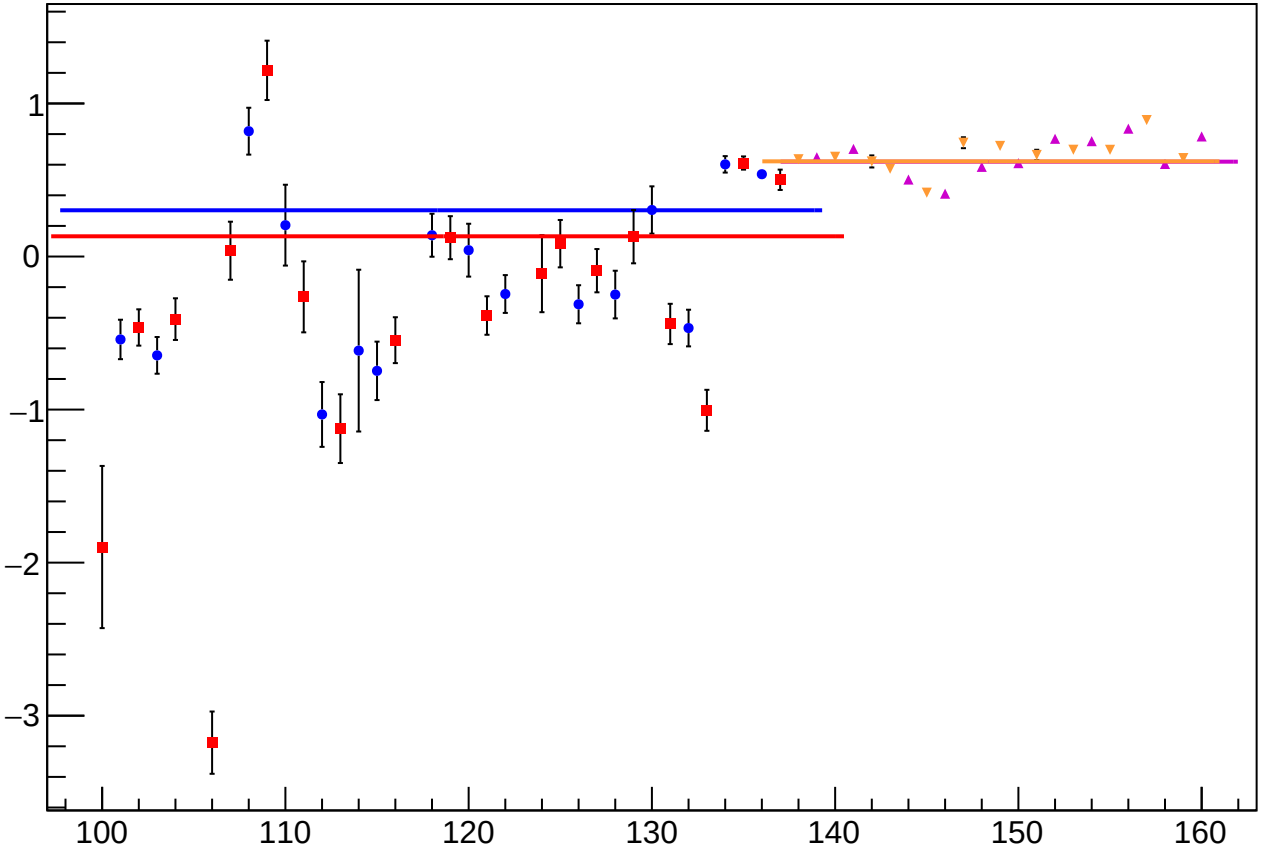
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -35.752+/-0.143 χ^2/NDF:8661.7/26

Out: -39.494+/-0.154 χ^2/NDF:7178.8/30

All: -37.493+/-0.105 χ^2/NDF: 16157.0/57

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.622+/-0.007 χ^2/NDF:347.1/11

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.620+/-0.007 χ^2/NDF:362.2/10

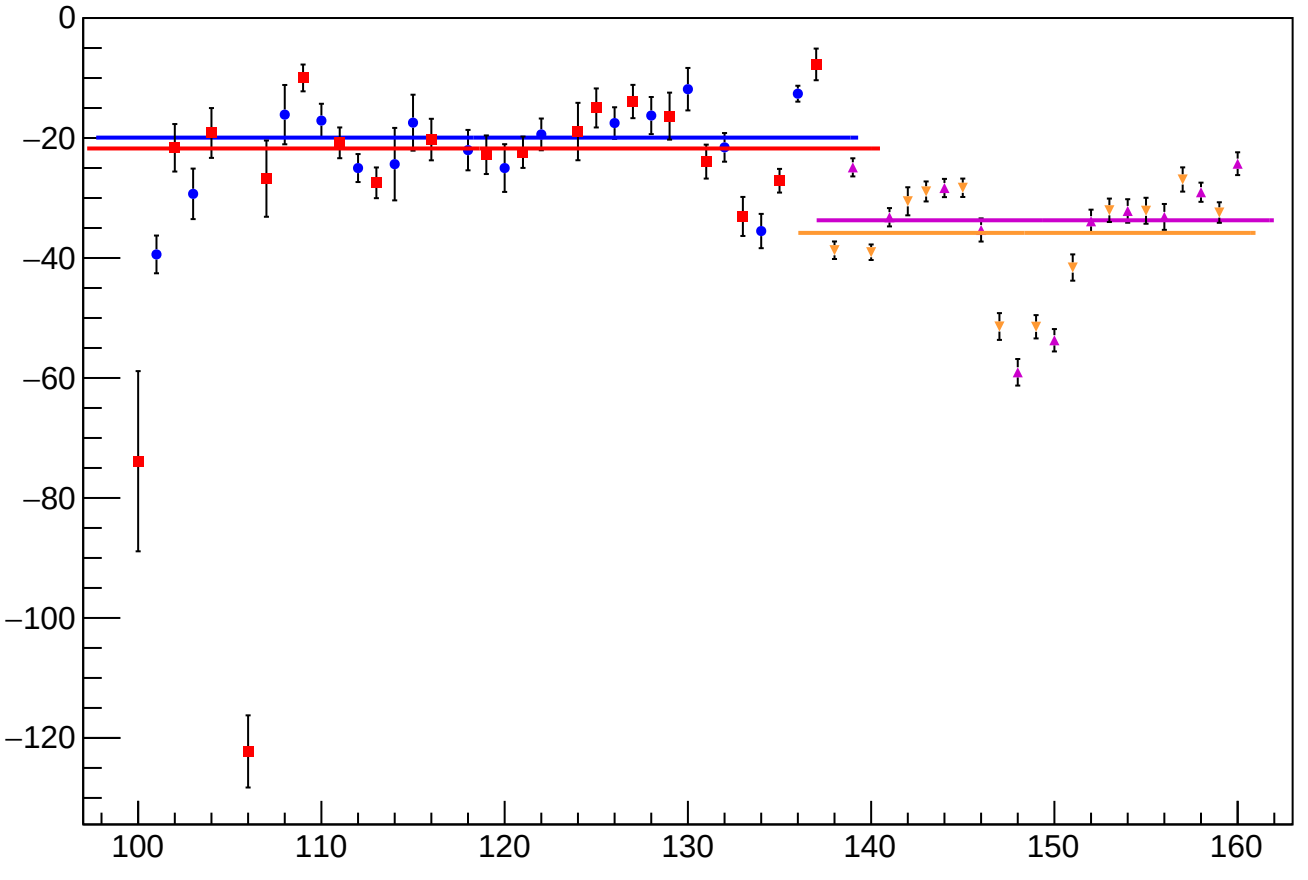
Left: 0.621+/-0.005 χ^2/NDF: 709.3/22

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.591+/-0.007 χ^2/NDF:911.2/26

Out: 0.586+/-0.007 χ^2/NDF:1335.9/30

All: 0.589+/-0.005 χ^2/NDF: 2247.4/57



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: -33.715+/-0.537 χ^2/NDF:327.2/10

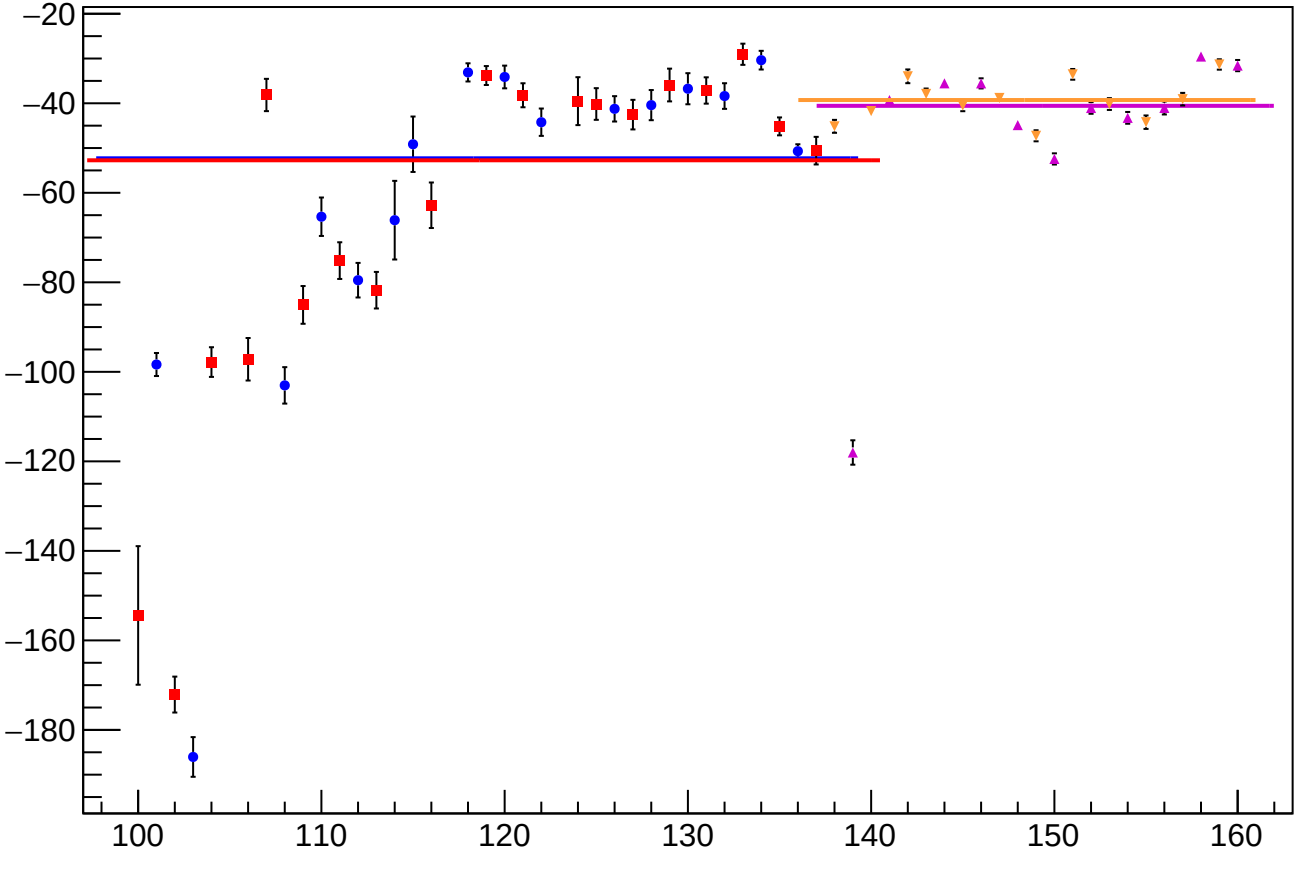
Left: -34.809+/-0.372 χ^2/NDF: 542.2/22

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.565+/-0.425 χ^2/NDF:694.1/26

Out: -30.996+/-0.418 χ^2/NDF:850.9/30

All: -29.800+/-0.298 χ^2/NDF: 1561.6/57



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: -40.568+/-0.374 χ^2/NDF:1112.7/10

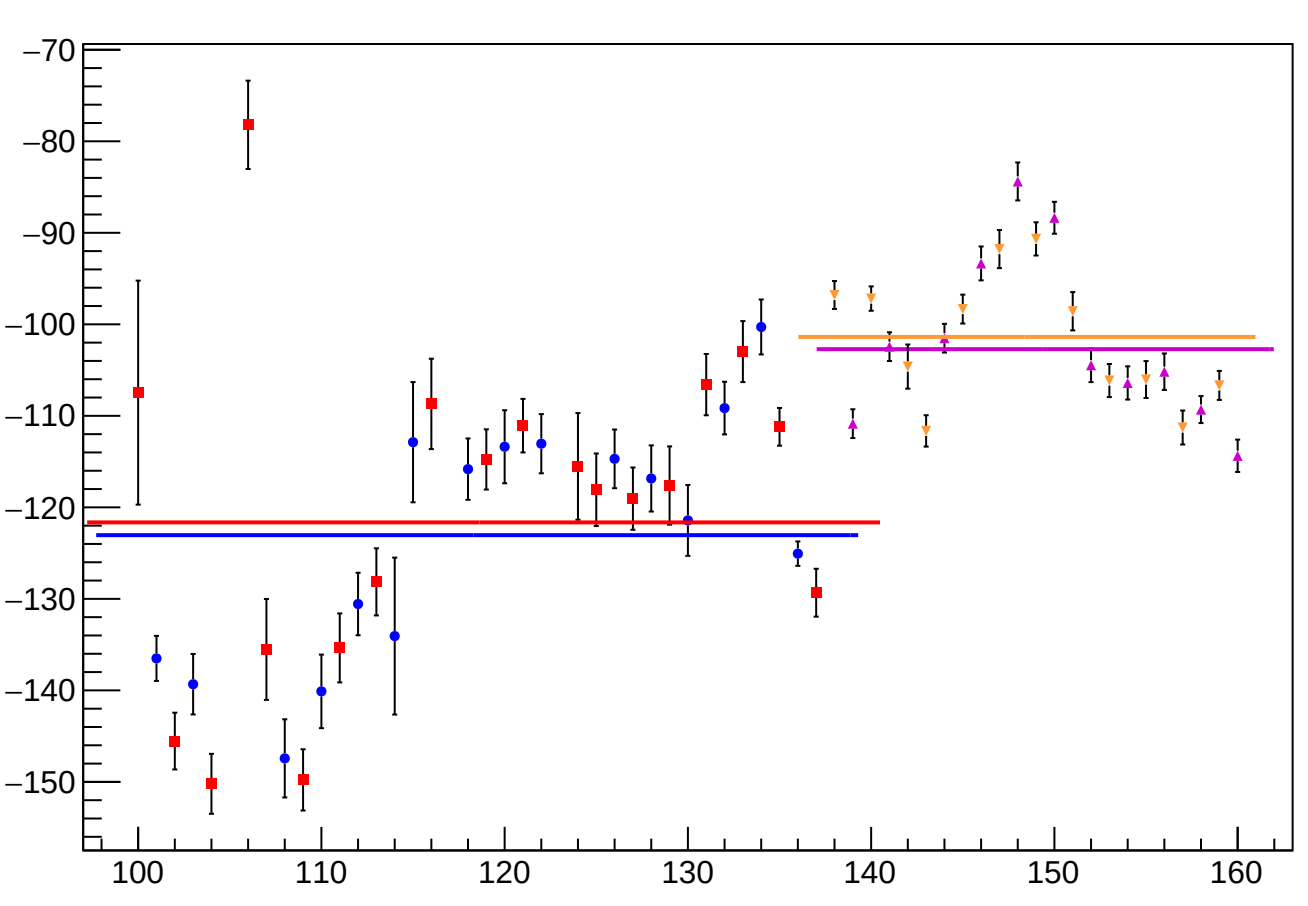
Left: -39.901+/-0.260 χ^2/NDF: 1278.0/22

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

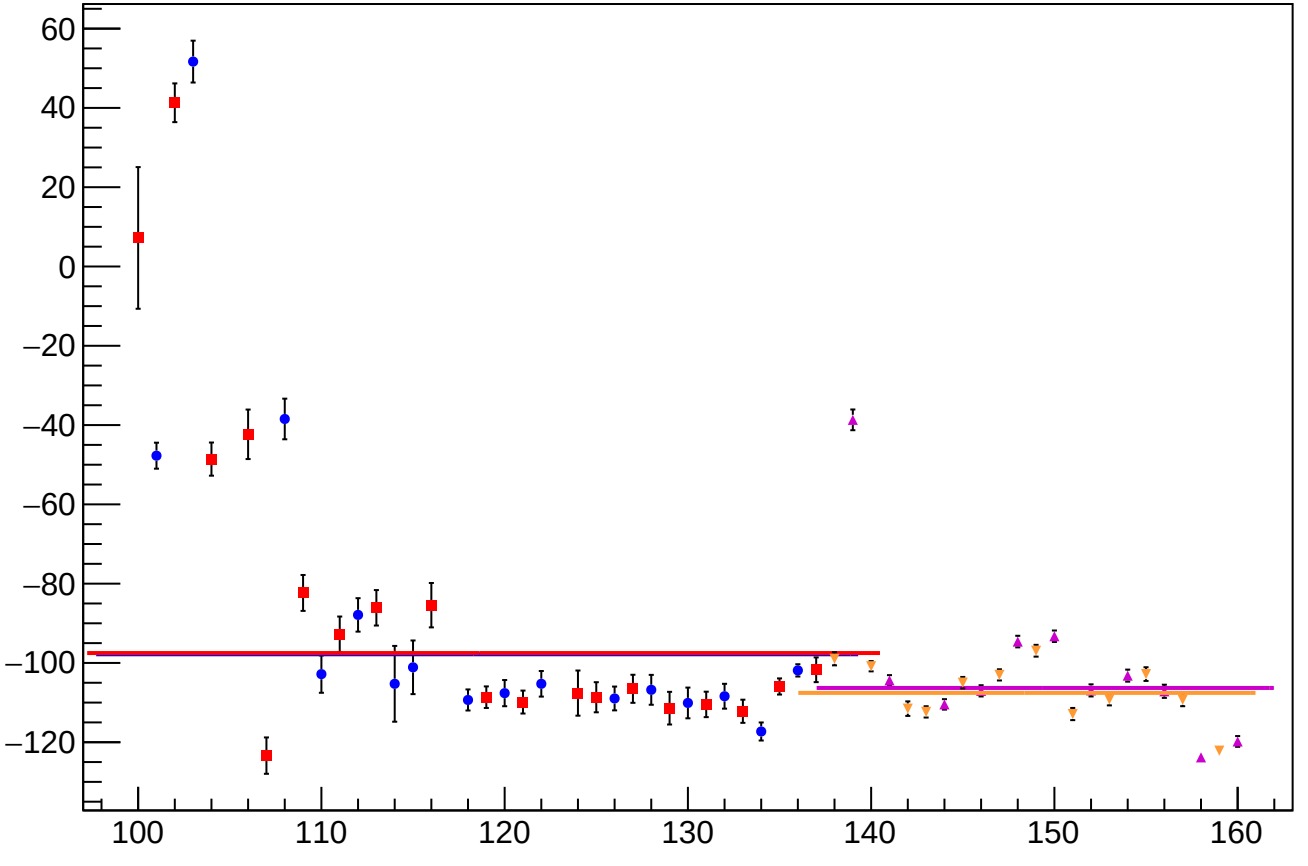
In: -43.122+/-0.330 χ^2/NDF:3105.4/26

Out: -41.827+/-0.326 χ^2/NDF:2084.0/30

All: -42.466+/-0.232 χ^2/NDF: 5197.2/57


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
110
120
130
140
150
160
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -101.375+/-0.506 χ²/NDF:170.2/11
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -102.715+/-0.520 χ²/NDF:269.3/10
Left: -102.027+/-0.362 χ²/NDF: 442.9/22
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -109.307+/-0.427 χ²/NDF:992.3/26
Out: -107.149+/-0.428 χ²/NDF:1052.5/30
All: -108.229+/-0.302 χ²/NDF: 2057.5/57

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: -106.308+/-0.436 χ^2/NDF:1163.7/10

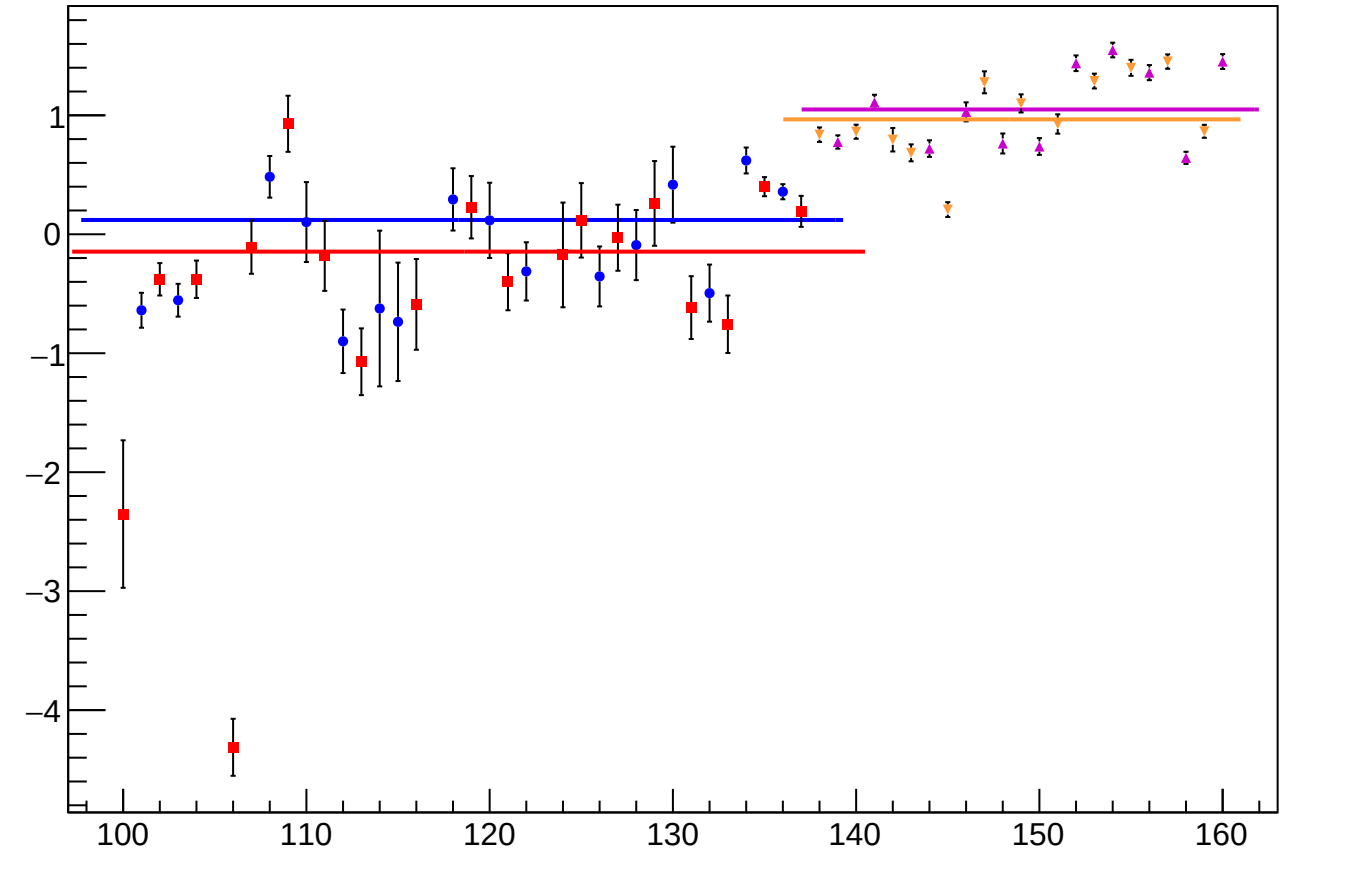
Left: -106.942+/-0.306 χ^2/NDF: 1468.0/22

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -104.336+/-0.382 χ^2/NDF:2582.6/26

Out: -105.490+/-0.382 χ^2/NDF:1649.6/30

All: -104.914+/-0.270 χ^2/NDF: 4236.8/57



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: 1.049+/-0.019 χ^2/NDF:306.7/10

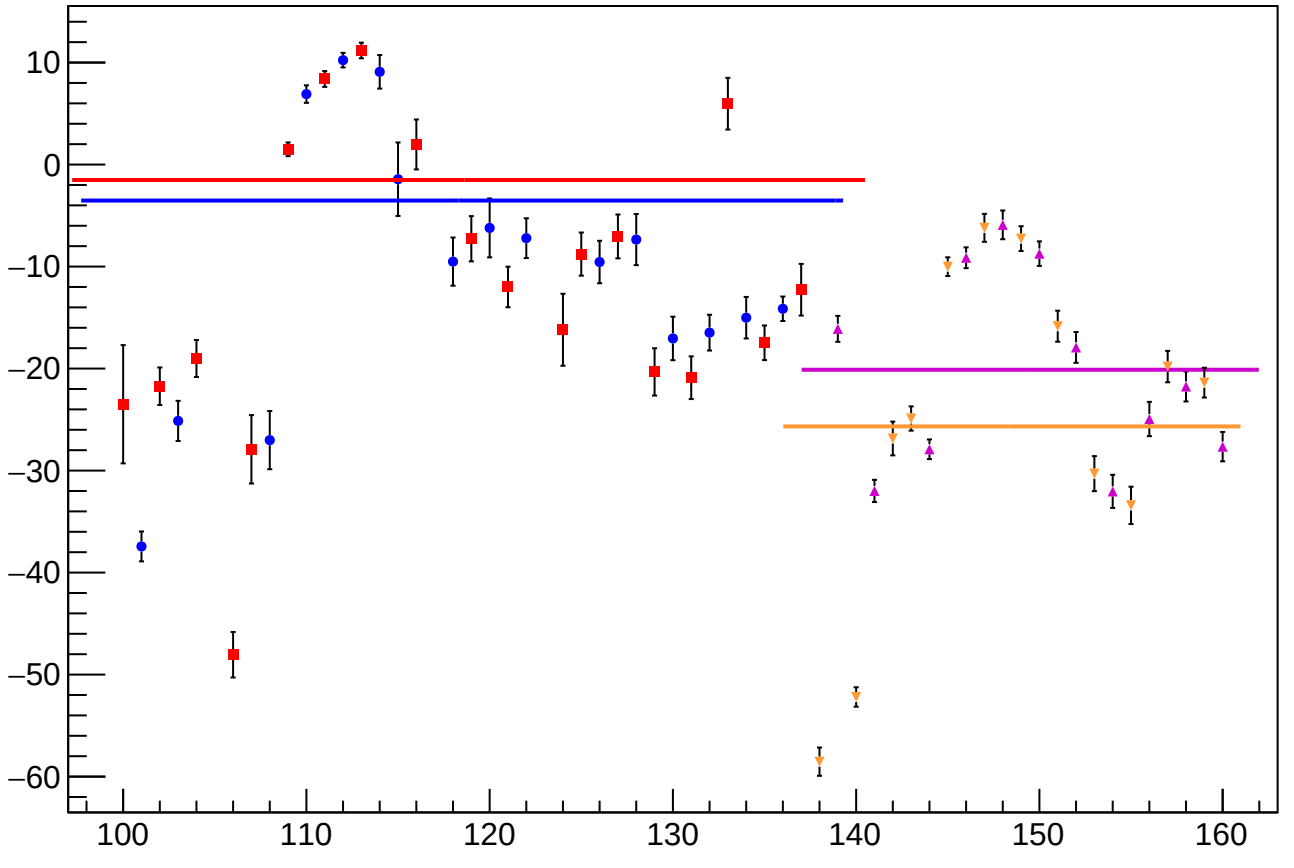
Left: 1.008+/-0.014 χ^2/NDF: 639.1/22

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.880+/-0.018 χ^2/NDF:845.9/26

Out: 0.789+/-0.018 χ^2/NDF:1260.5/30

All: 0.835+/-0.013 χ^2/NDF: 2119.4/57



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: -20.114+/-0.383 χ^2/NDF:594.5/10

Left: -22.939+/-0.269 χ^2/NDF: 2850.8/22

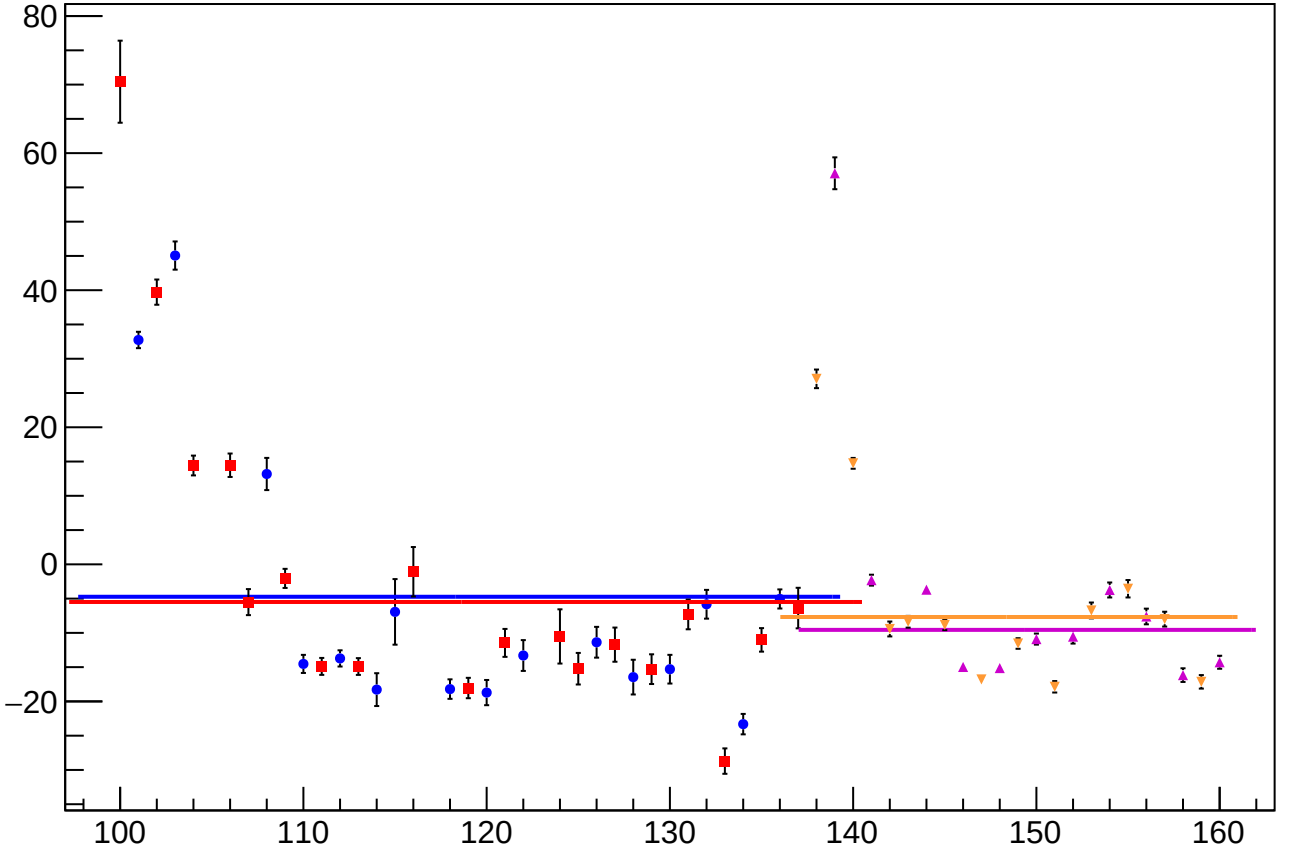
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -11.682+/-0.269 χ^2/NDF:3076.4/26

Out: -12.302+/-0.252 χ^2/NDF:5949.3/30

All: -12.012+/-0.184 χ^2/NDF: 9028.5/57

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -9.561+/-0.259 χ^2/NDF:1223.5/10

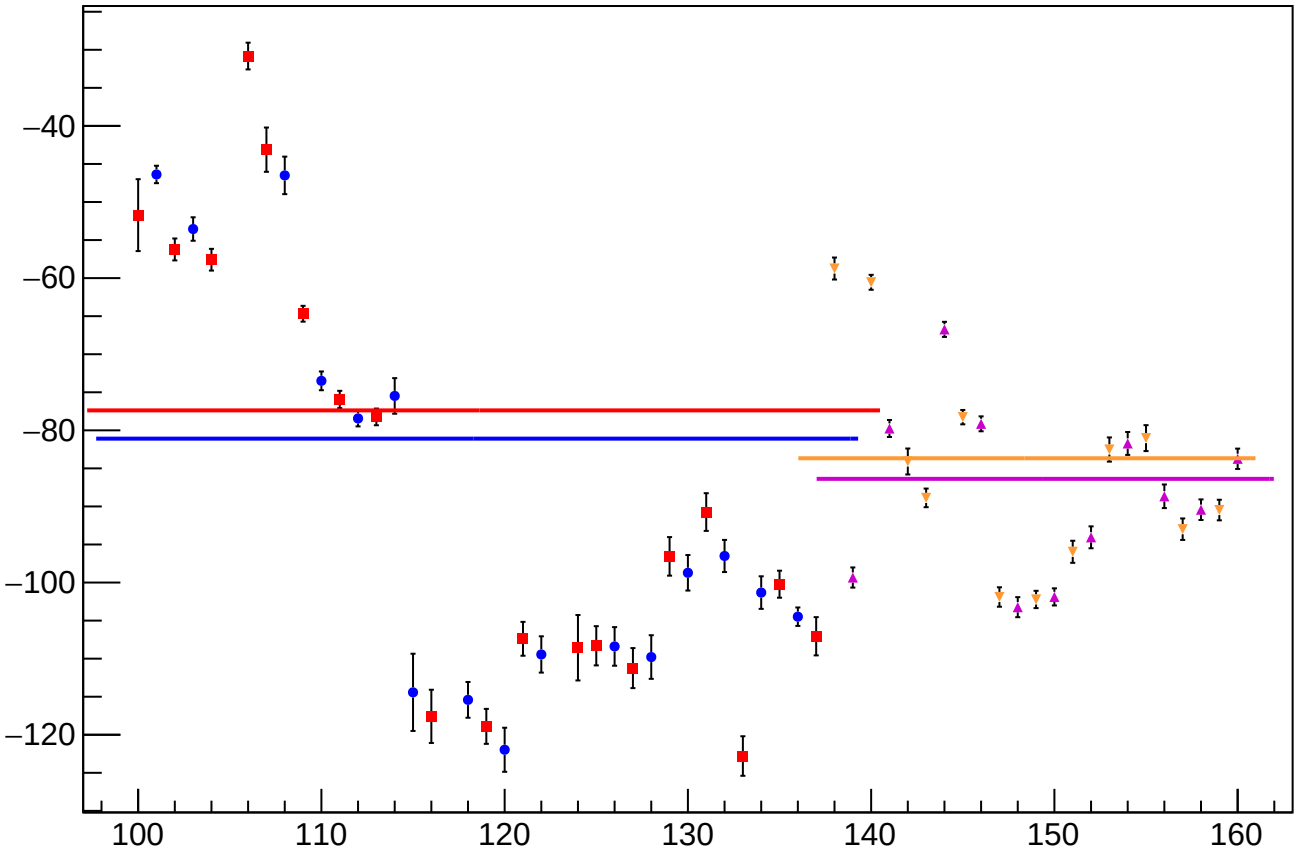
Left: -8.622+/-0.183 χ^2/NDF: 3196.9/22

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -8.276+/-0.222 χ^2/NDF:3463.8/26

Out: -7.083+/-0.221 χ^2/NDF:3475.3/30

All: -7.676+/-0.157 χ^2/NDF: 6953.6/57



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: -86.375+/-0.372 χ^2/NDF:983.5/10

Left: -85.016+/-0.262 χ^2/NDF: 2528.5/22

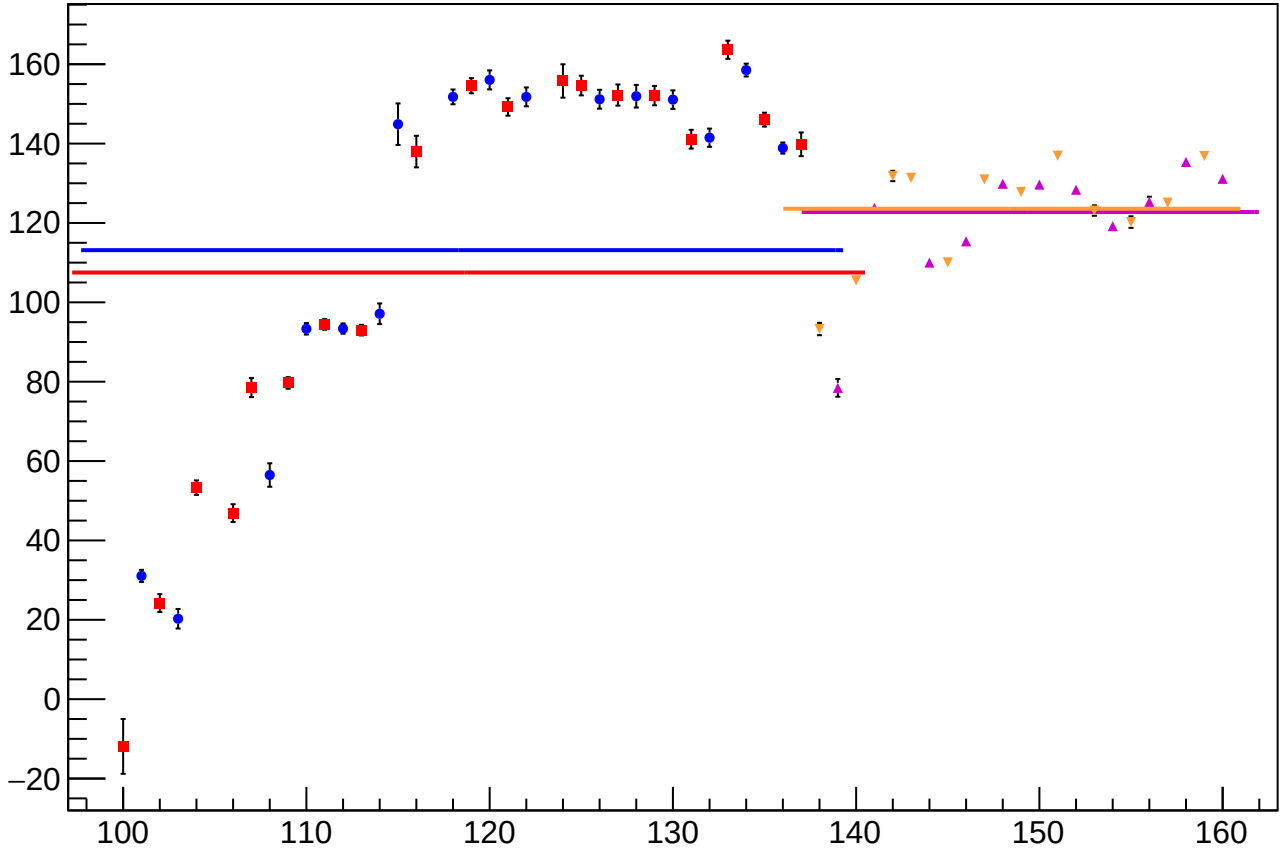
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -84.165+/-0.284 χ^2/NDF:3938.3/26

Out: -80.897+/-0.277 χ^2/NDF:4775.4/30

All: -82.491+/-0.198 χ^2/NDF: 8781.7/57

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: 122.753+/-0.308 χ^2/NDF:1080.7/10

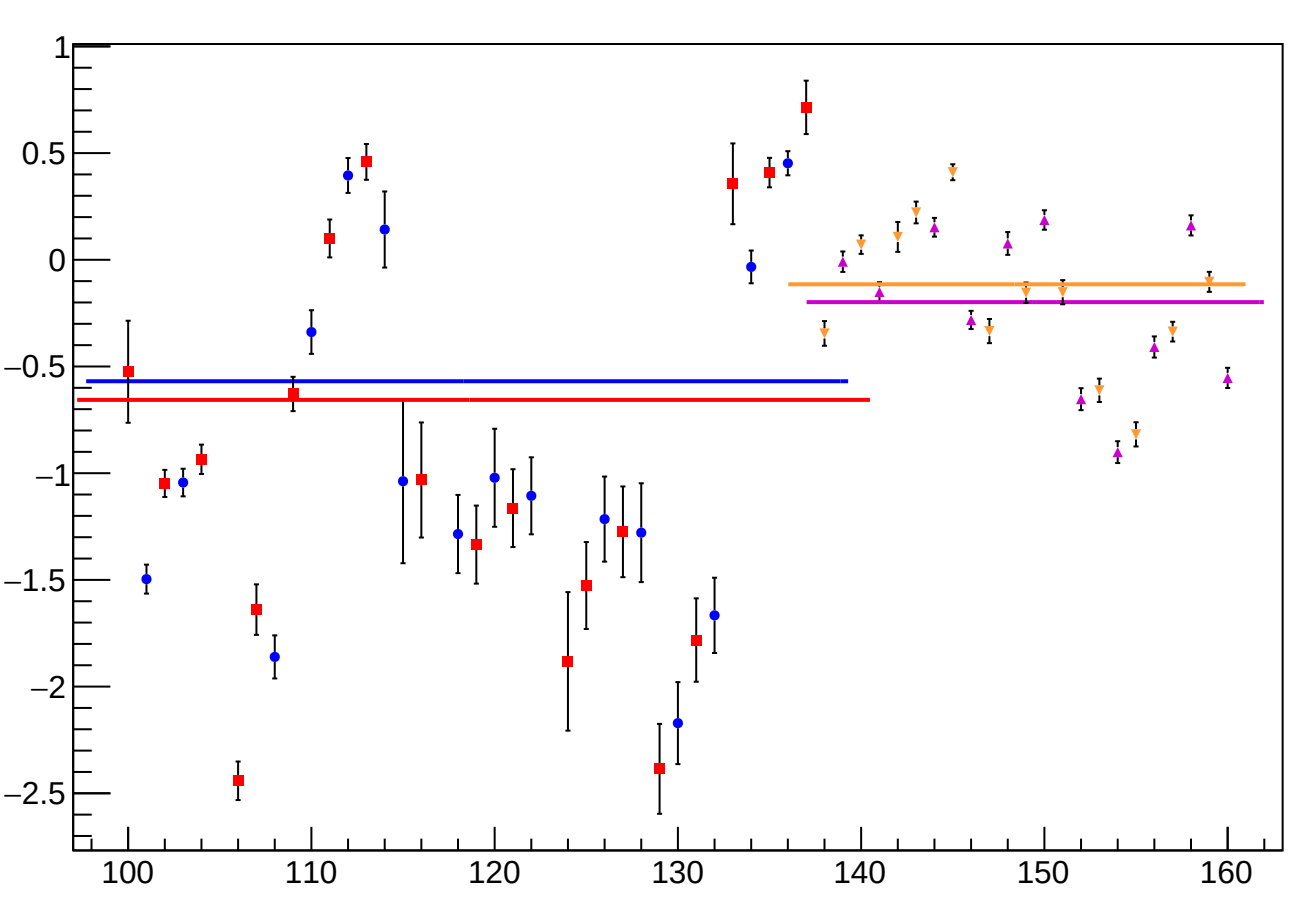
Left: 123.167+/-0.219 χ^2/NDF: 2583.8/22

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 120.026+/-0.260 χ^2/NDF:9561.5/26

Out: 118.840+/-0.261 χ^2/NDF:9835.7/30

All: 119.434+/-0.184 χ^2/NDF: 19407.5/57



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: -0.198+/-0.014 χ^2/NDF:581.9/10

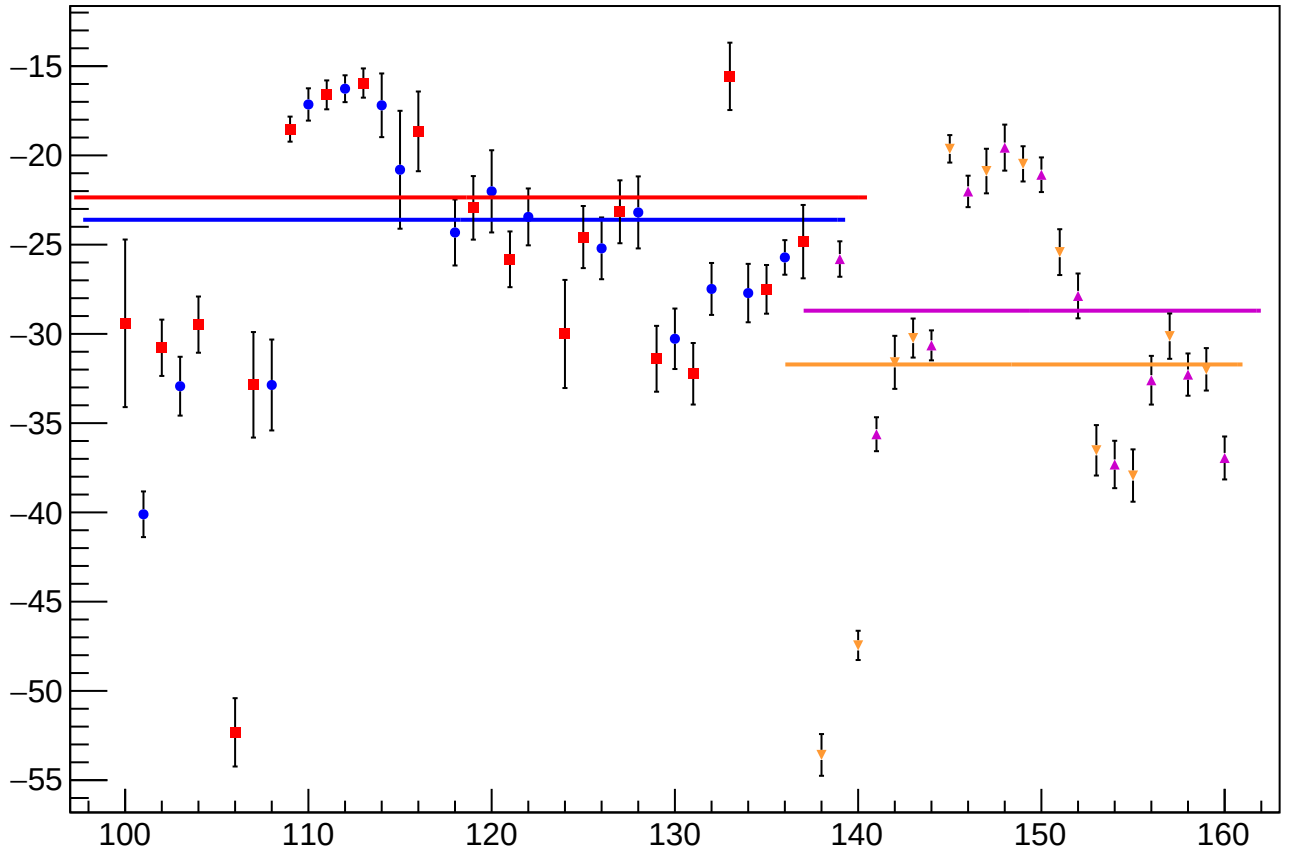
Left: -0.157+/-0.010 χ^2/NDF: 1159.0/22

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

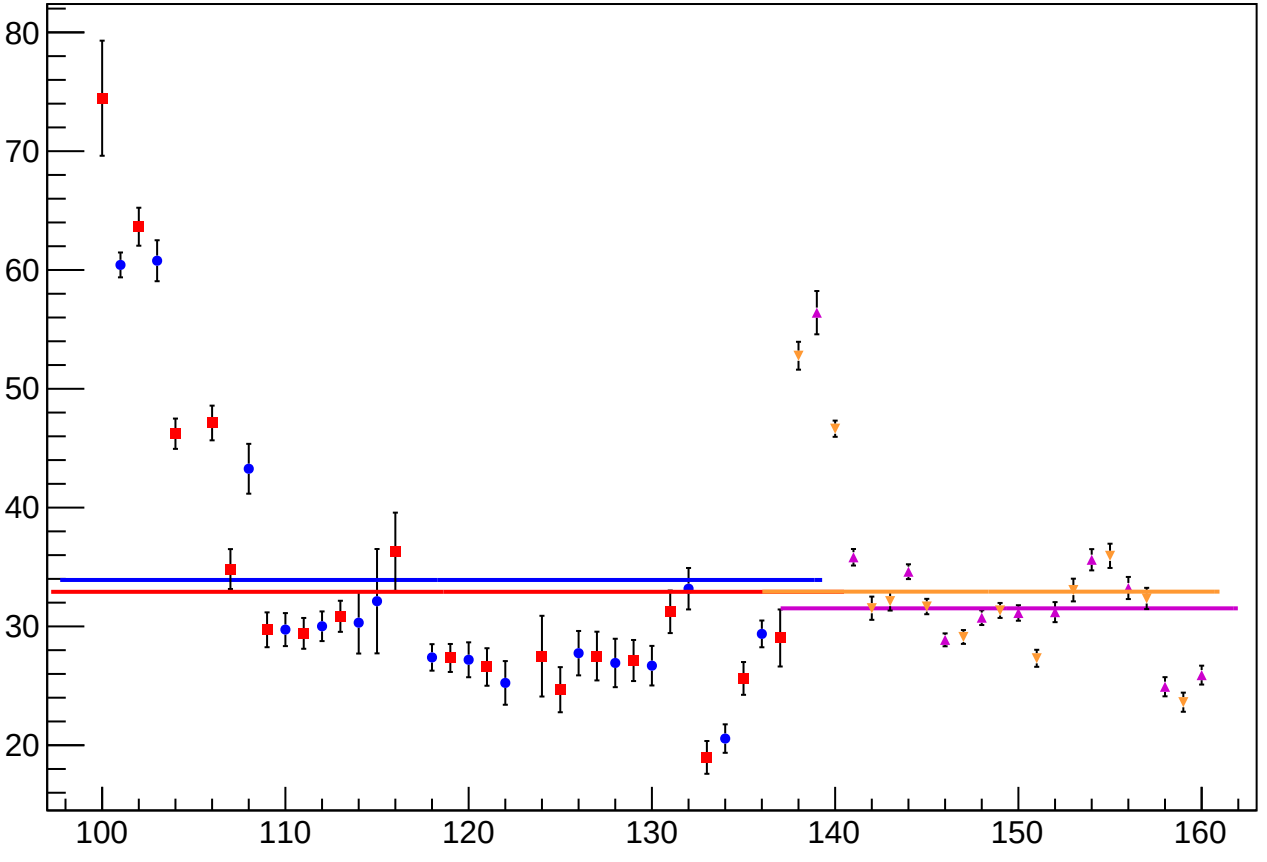
In: -0.286+/-0.013 χ^2/NDF:1837.3/26

Out: -0.249+/-0.013 χ^2/NDF:2222.5/30

All: -0.267+/-0.009 χ^2/NDF: 4064.0/57


reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
−55
100
110
120
130
140
150
160
Right In: -23.607+/-0.348 χ²/NDF: 406.4/15
Left Out: -31.712+/-0.320 χ²/NDF:1226.9/11
Right Out: -22.354+/-0.322 χ²/NDF: 551.7/18
Left In: -28.700+/-0.322 χ²/NDF:343.0/10
Left: -30.216+/-0.227 χ²/NDF: 1613.9/22
Right: -22.931+/-0.236 χ²/NDF: 965.1/34
In: -26.351+/-0.237 χ²/NDF:864.6/26
Out: -27.059+/-0.227 χ²/NDF:2203.9/30
All: -26.720+/-0.164 χ²/NDF: 3073.2/57

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: 31.521+/-0.222 χ^2/NDF:416.4/10

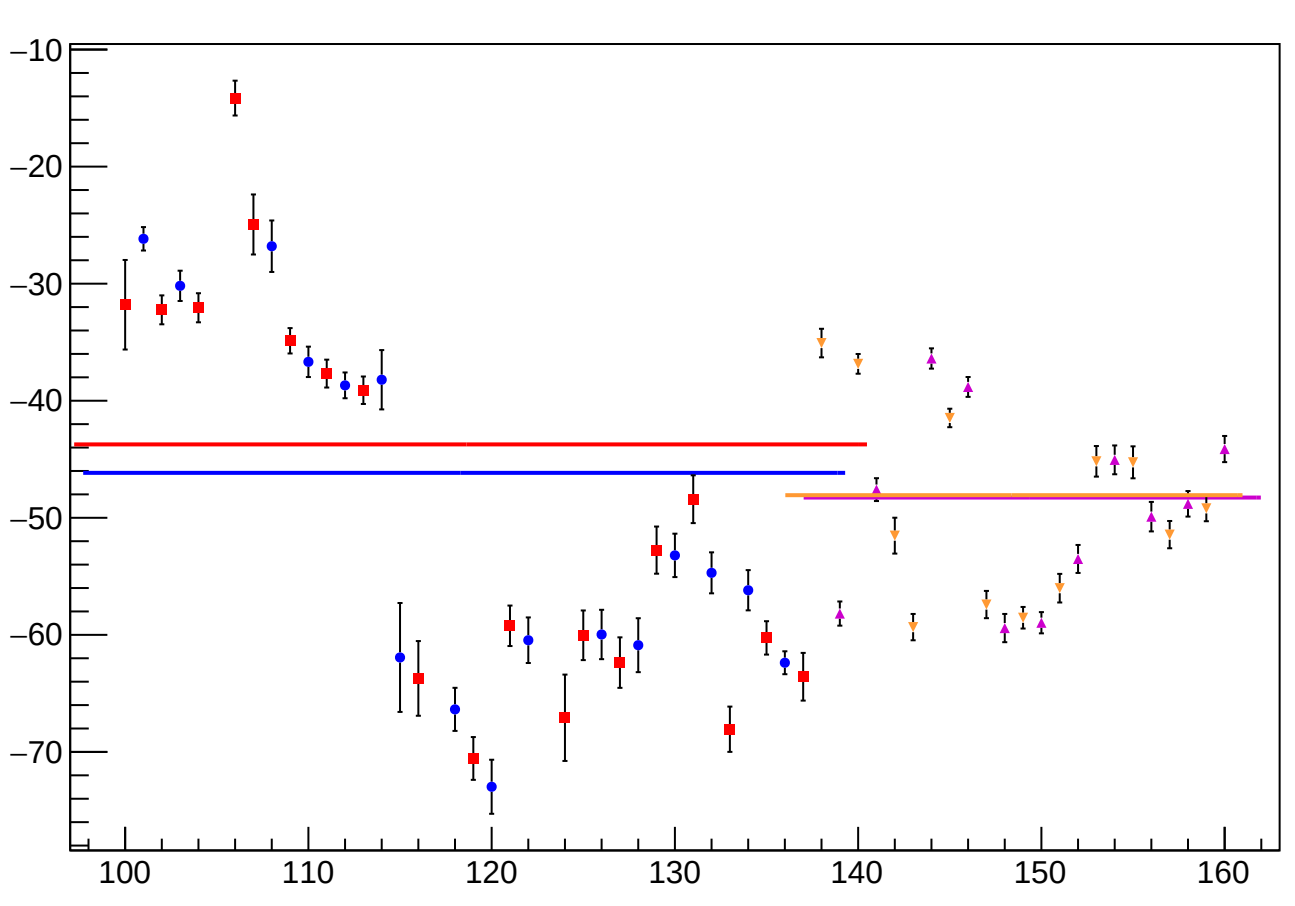
Left: 32.223+/-0.157 χ^2/NDF: 1386.9/22

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.142+/-0.191 χ^2/NDF:1630.8/26

Out: 32.922+/-0.191 χ^2/NDF:1825.6/30

All: 32.533+/-0.135 χ^2/NDF: 3464.6/57



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -48.068+/-0.314 χ^2/NDF:720.0/11

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -48.271+/-0.312 χ^2/NDF:671.0/10

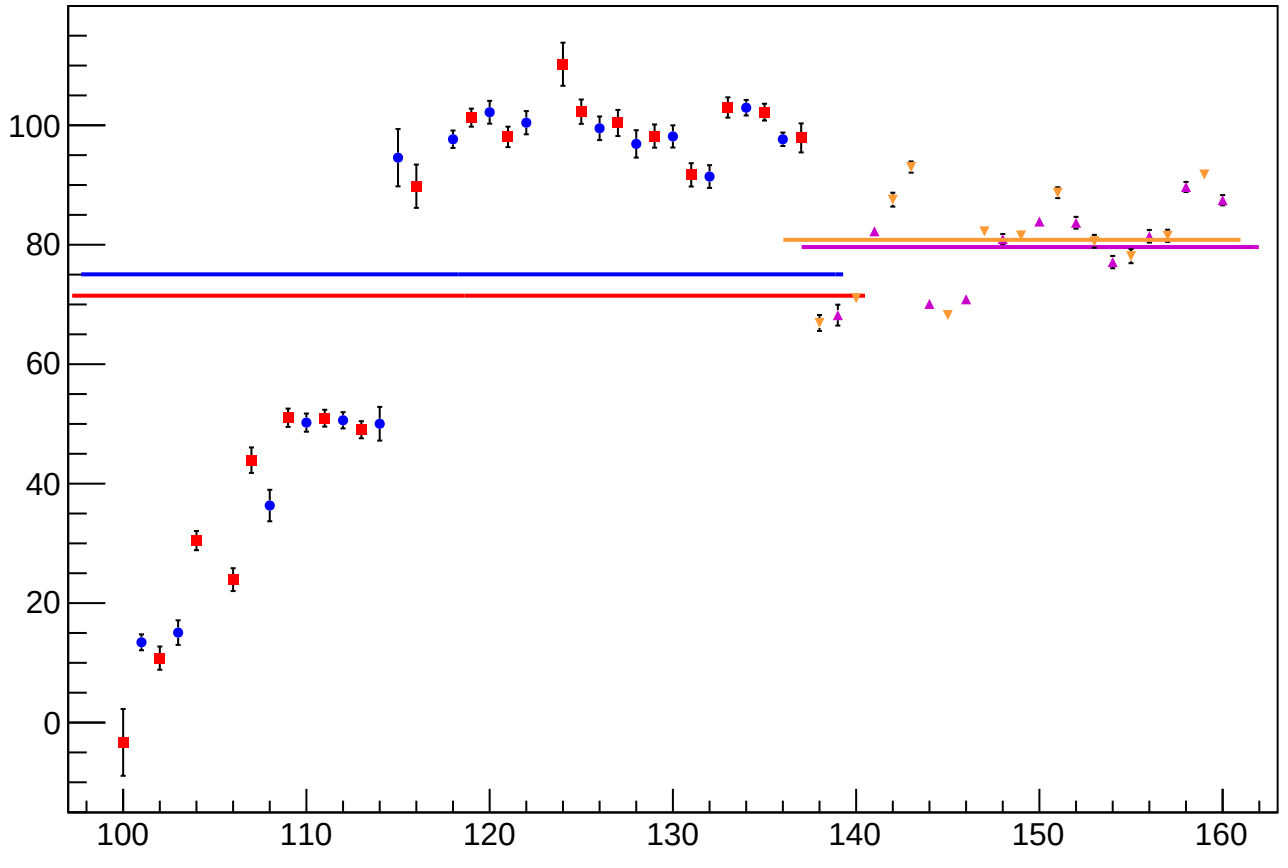
Left: -48.170+/-0.221 χ^2/NDF: 1391.2/22

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.445+/-0.244 χ^2/NDF:2178.5/26

Out: -46.301+/-0.241 χ^2/NDF:2461.3/30

All: -46.868+/-0.172 χ^2/NDF: 4650.8/57



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: 79.613+/-0.262 χ^2/NDF:677.7/10

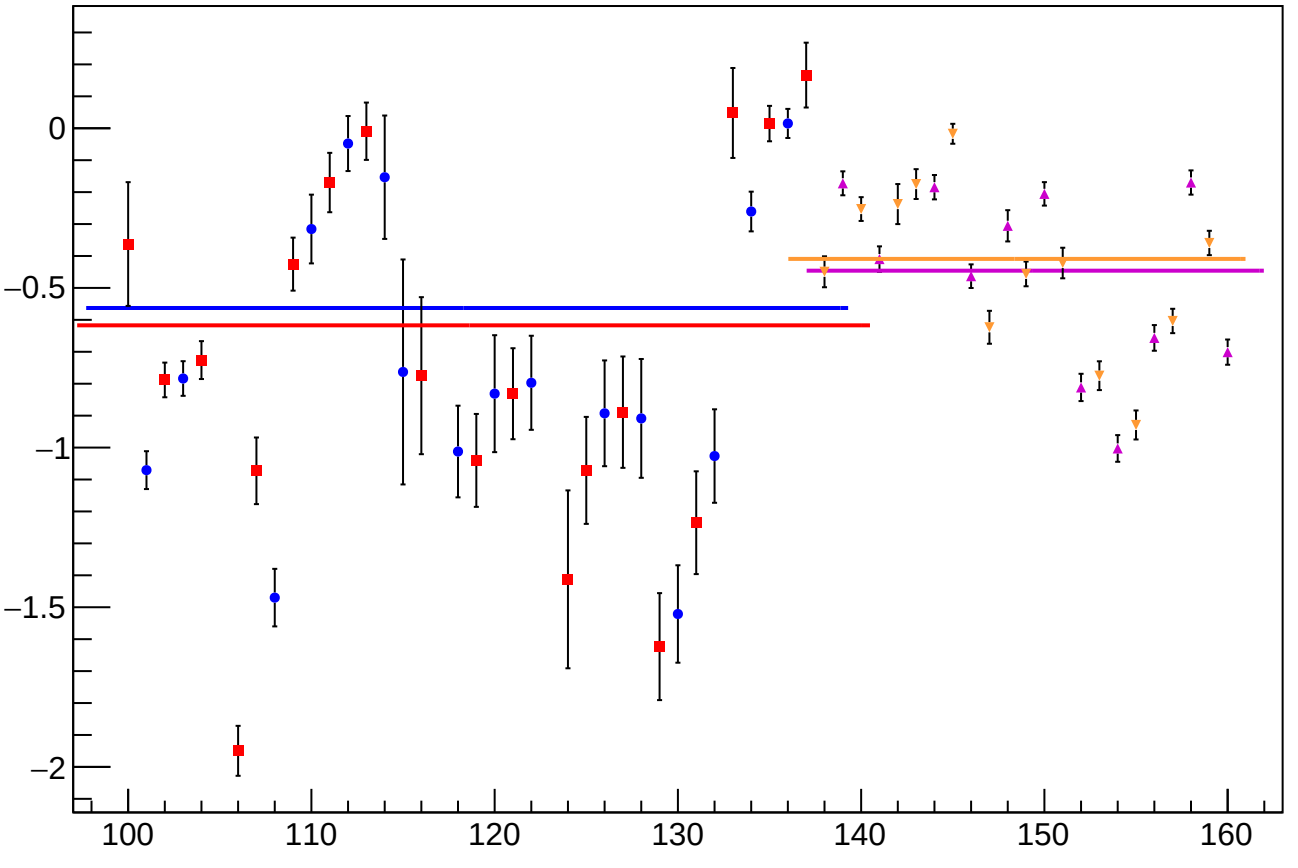
Left: 80.208+/-0.186 χ^2/NDF: 1686.5/22

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 78.368+/-0.223 χ^2/NDF:6589.2/26

Out: 78.208+/-0.225 χ^2/NDF:6974.3/30

All: 78.289+/-0.158 χ^2/NDF: 13563.8/57



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: -0.446+/-0.012 χ^2/NDF:525.2/10

Left: -0.428+/-0.009 χ^2/NDF: 981.8/22

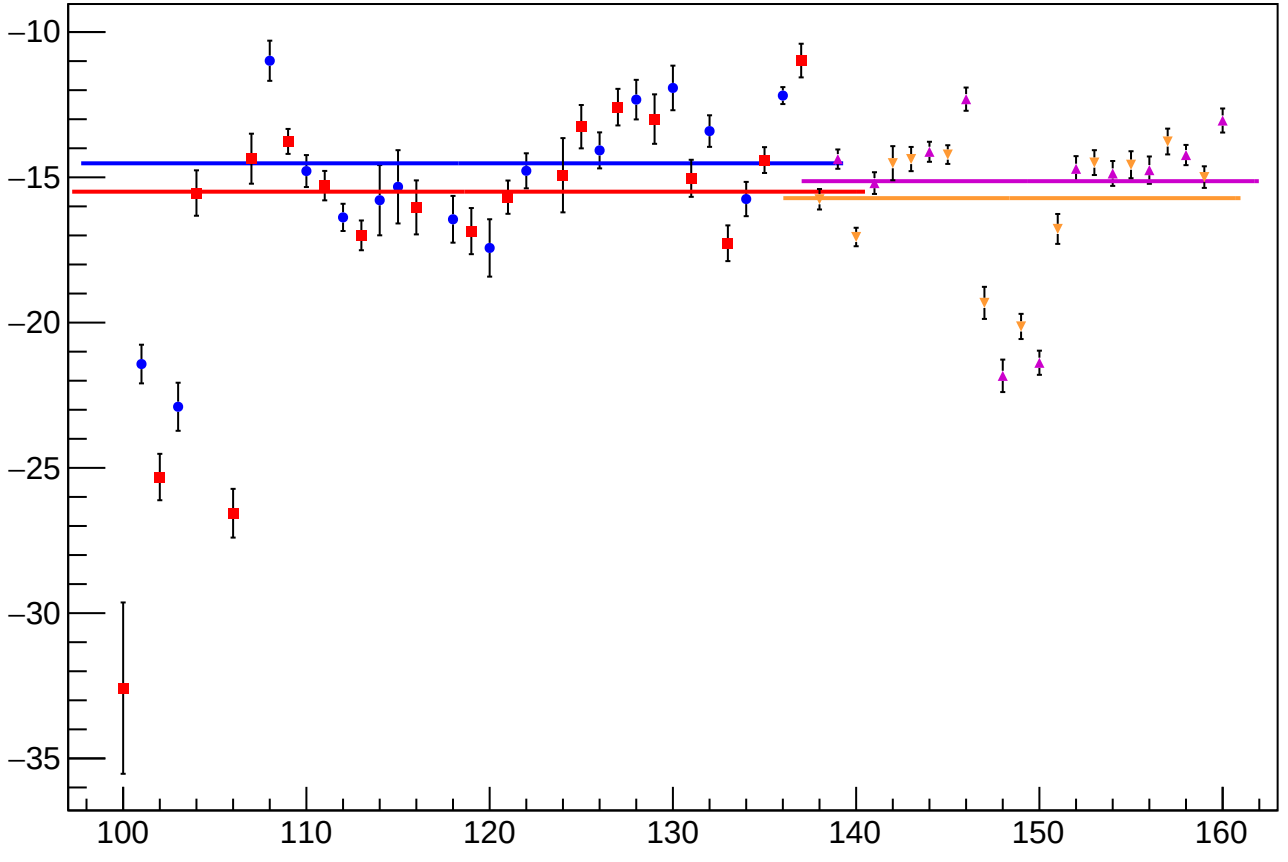
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.472+/-0.011 χ^2/NDF:1039.6/26

Out: -0.457+/-0.011 χ^2/NDF:1209.5/30

All: -0.465+/-0.008 χ^2/NDF: 2250.1/57

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: -15.132+/-0.120 χ^2/NDF:467.4/10

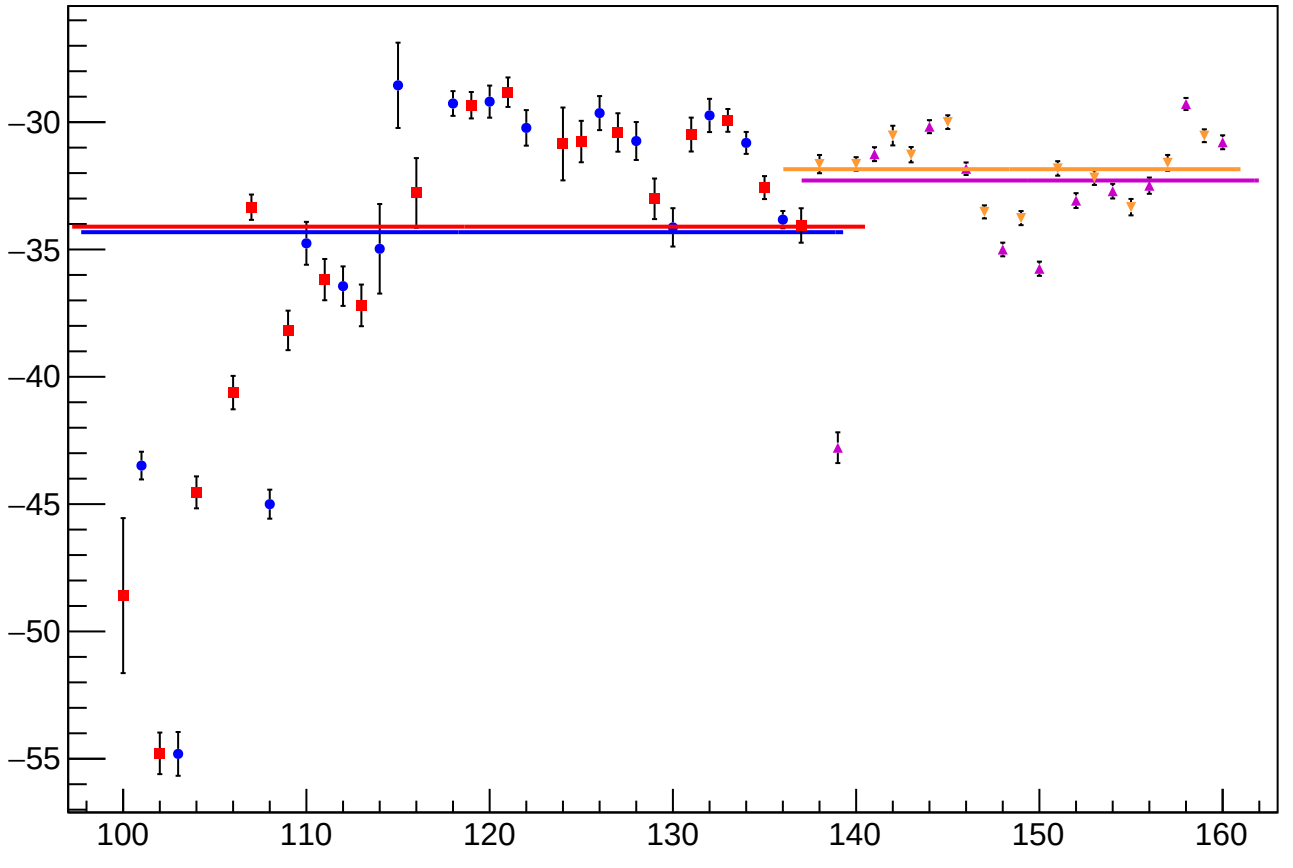
Left: -15.428+/-0.084 χ^2/NDF: 721.5/22

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.891+/-0.094 χ^2/NDF:841.0/26

Out: -15.631+/-0.093 χ^2/NDF:747.4/30

All: -15.263+/-0.066 χ^2/NDF: 1619.8/57



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: -32.291+/-0.085 χ^2/NDF:842.9/10

Left: -32.067+/-0.060 χ^2/NDF: 1061.0/22

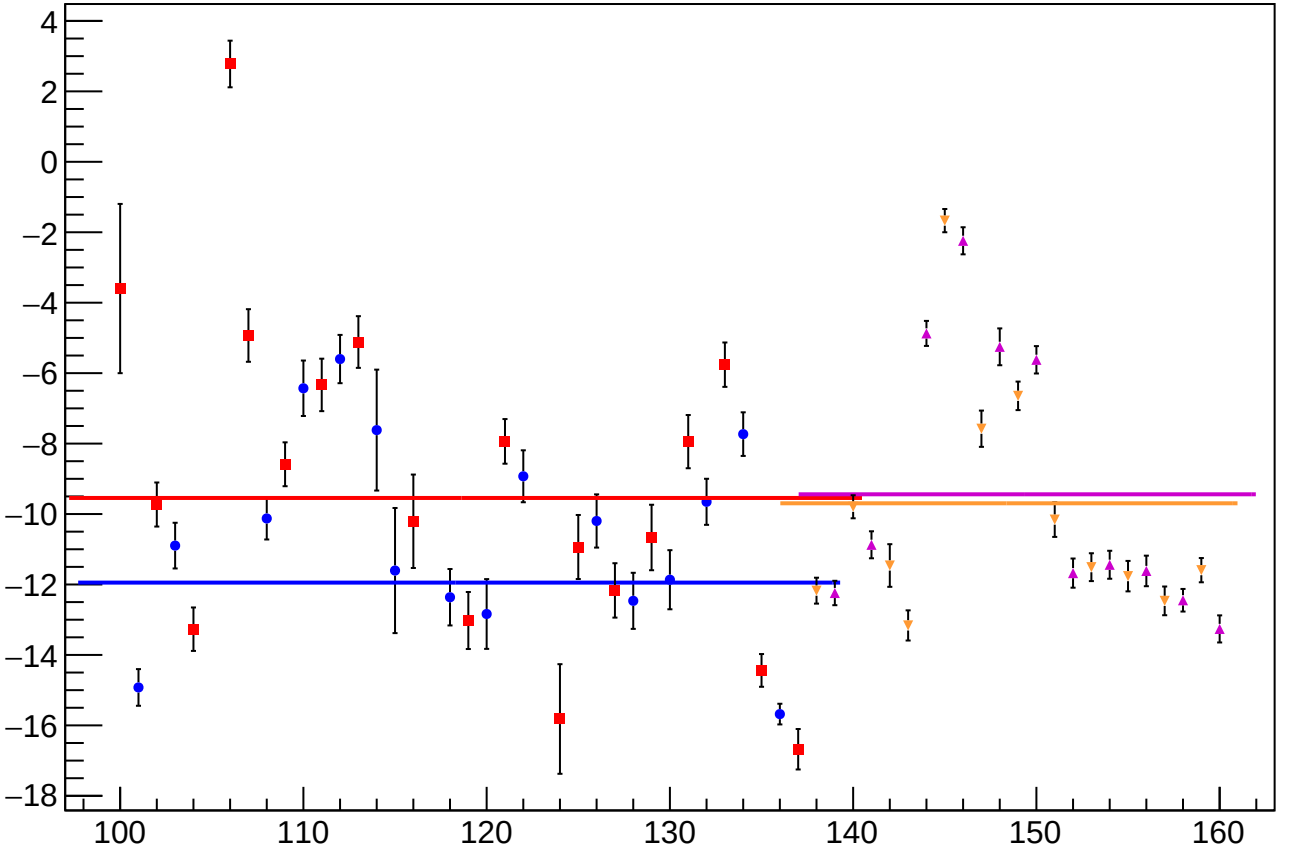
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.766+/-0.074 χ^2/NDF:2597.8/26

Out: -32.364+/-0.074 χ^2/NDF:1804.3/30

All: -32.564+/-0.052 χ^2/NDF: 4416.9/57

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -9.439+/-0.116 χ^2/NDF:1021.8/10

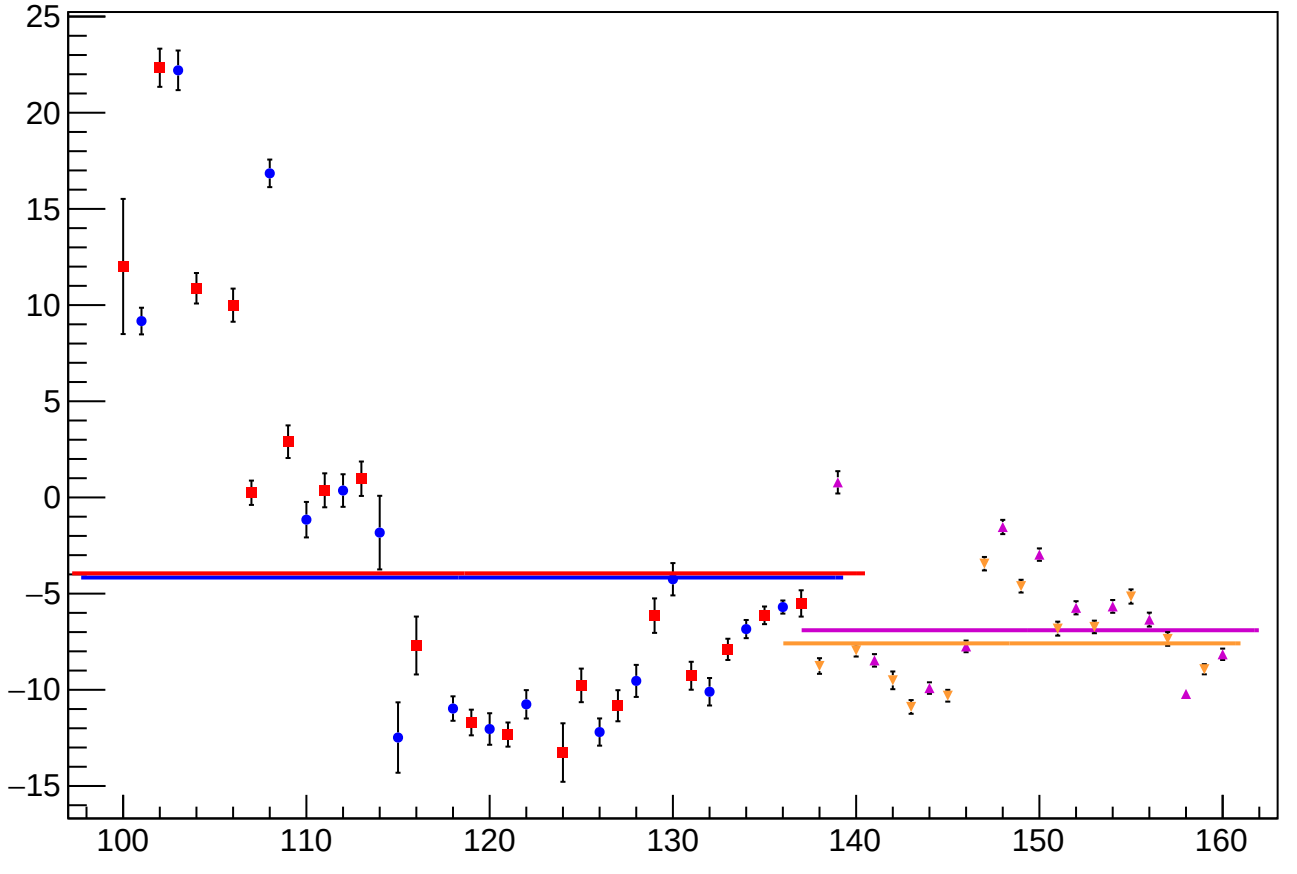
Left: -9.567+/-0.082 χ^2/NDF: 1930.1/22

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.304+/-0.094 χ^2/NDF:1612.3/26

Out: -9.645+/-0.095 χ^2/NDF:1753.6/30

All: -9.978+/-0.067 χ^2/NDF: 3390.2/57



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: -6.904+/-0.098 χ^2/NDF:887.4/10

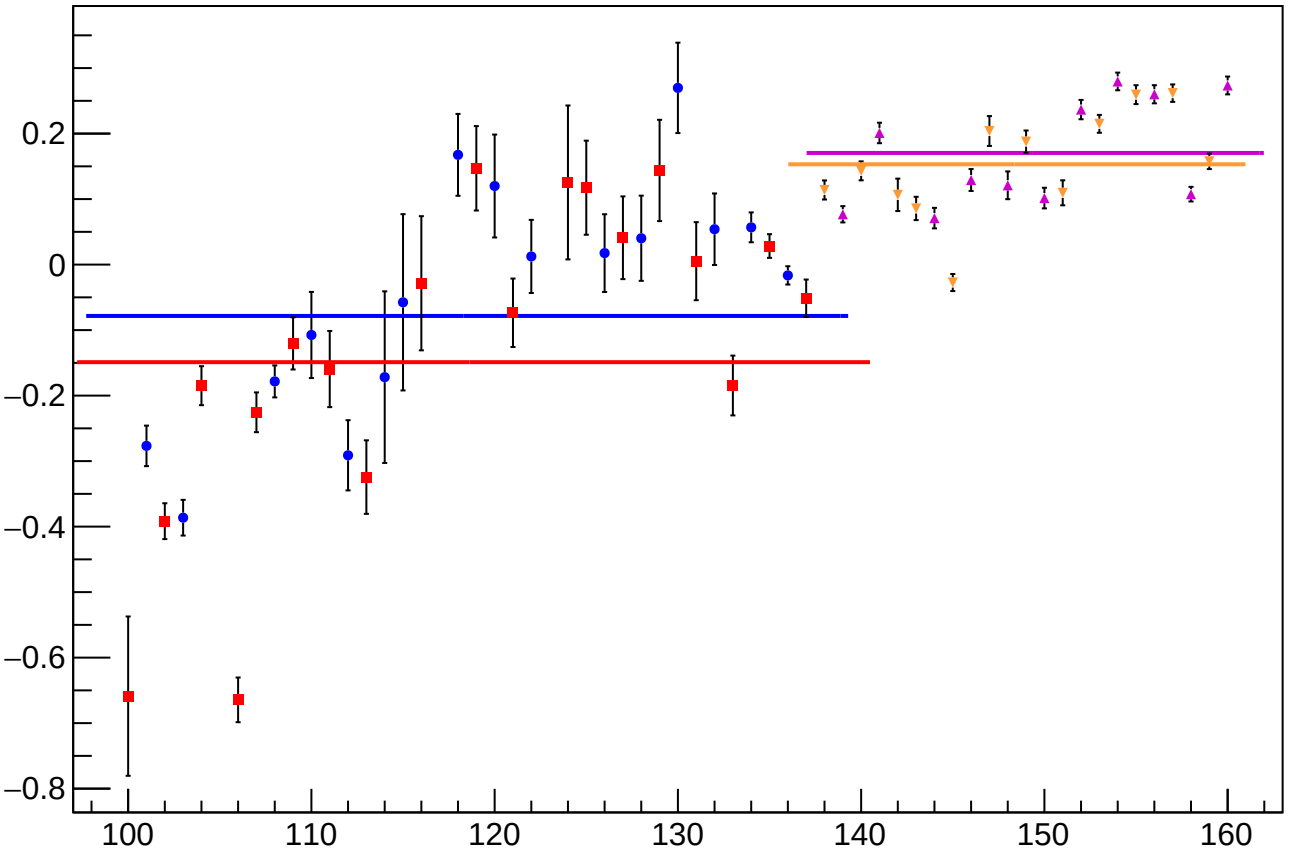
Left: -7.243+/-0.070 χ^2/NDF: 1403.4/22

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.231+/-0.085 χ^2/NDF:3604.1/26

Out: -6.716+/-0.086 χ^2/NDF:2927.4/30

All: -6.471+/-0.061 χ^2/NDF: 6547.5/57



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: 0.170+/-0.004 χ^2/NDF:348.1/10

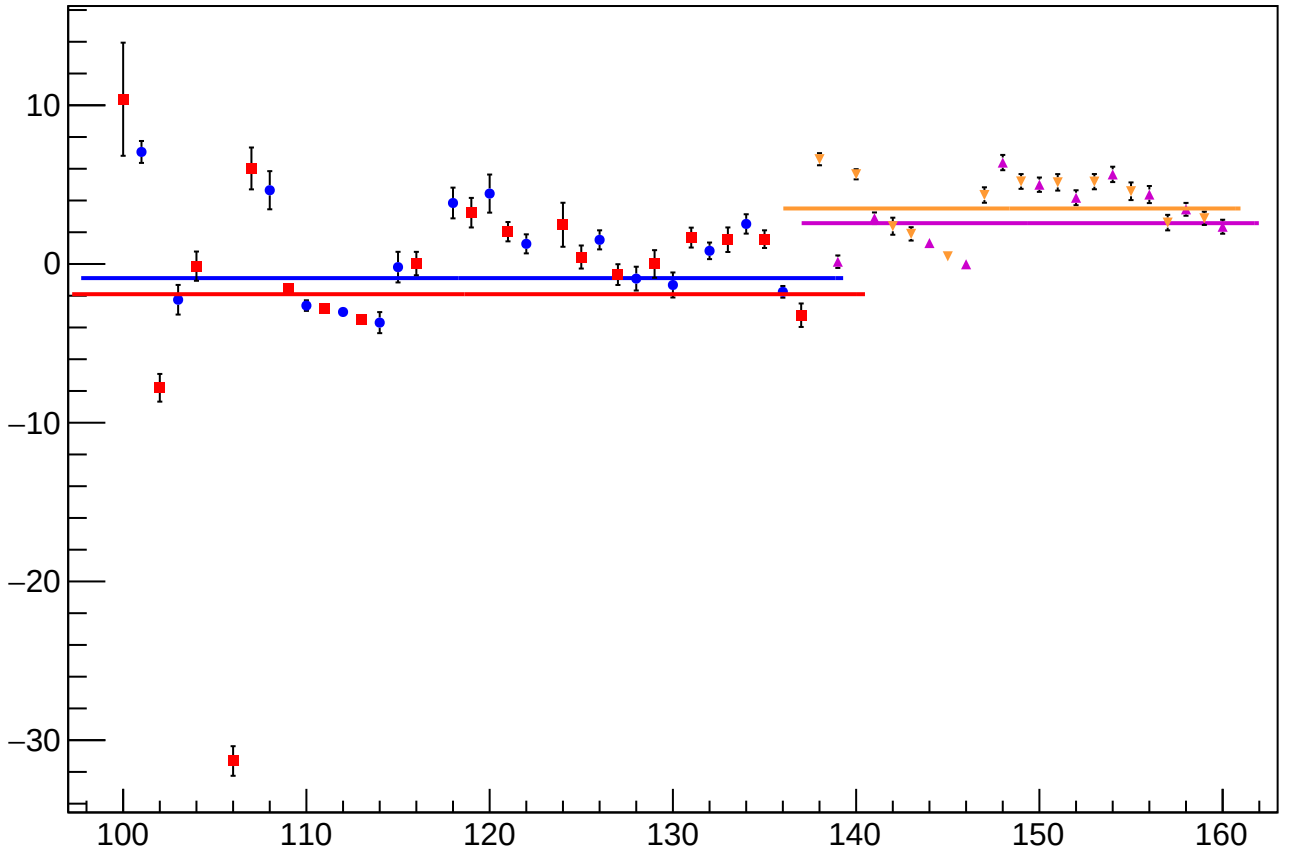
Left: 0.162+/-0.003 χ^2/NDF: 728.9/22

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.120+/-0.004 χ^2/NDF:1338.2/26

Out: 0.095+/-0.004 χ^2/NDF:1793.7/30

All: 0.108+/-0.003 χ^2/NDF: 3151.5/57



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: 2.572+/-0.118 χ^2/NDF:293.5/10

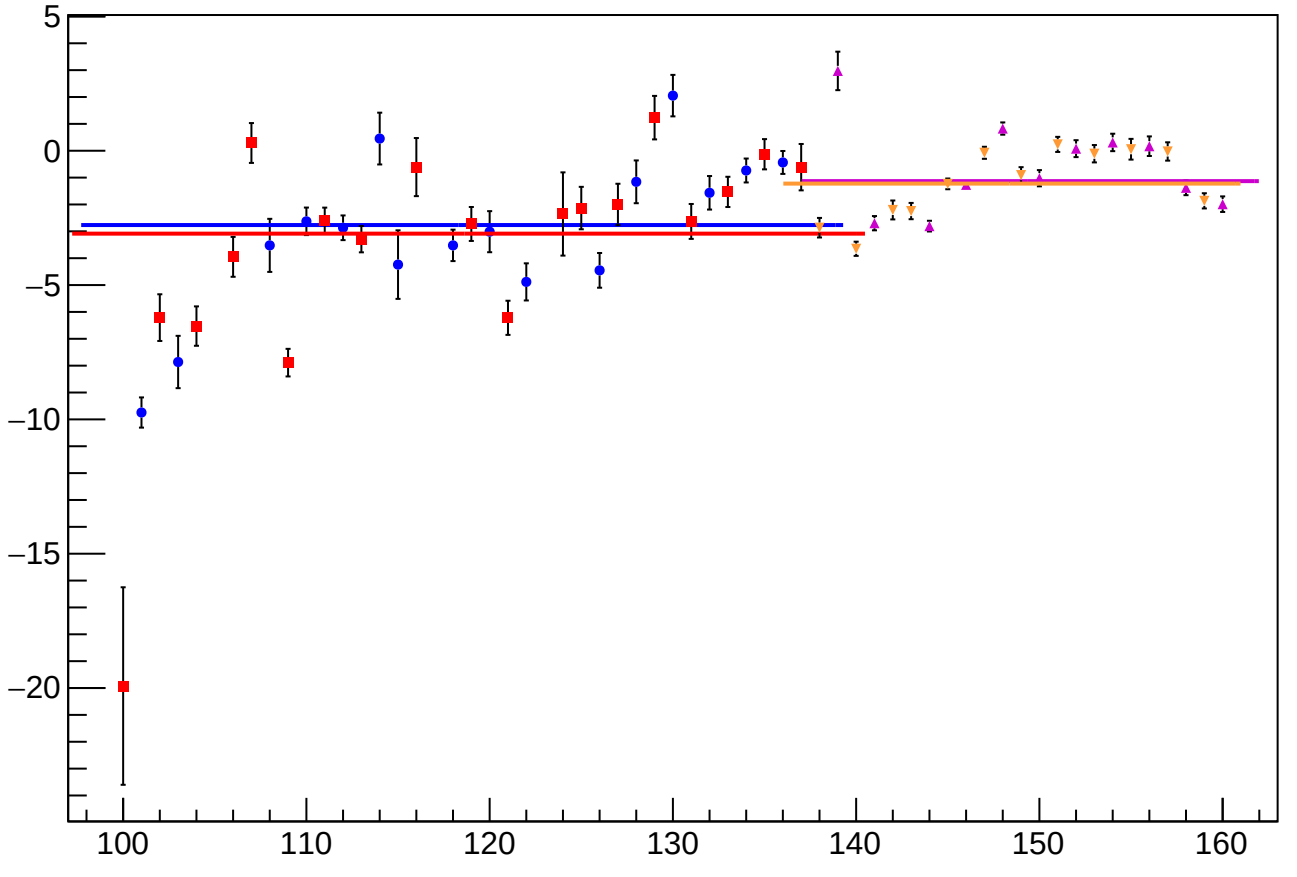
Left: 3.037+/-0.083 χ^2/NDF: 653.7/22

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.088+/-0.089 χ^2/NDF:1040.5/26

Out: 1.032+/-0.087 χ^2/NDF:2623.2/30

All: 1.059+/-0.062 χ^2/NDF: 3663.9/57



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: -1.131+/-0.080 χ^2/NDF:269.4/10

Left: -1.176+/-0.057 χ^2/NDF: 488.1/22

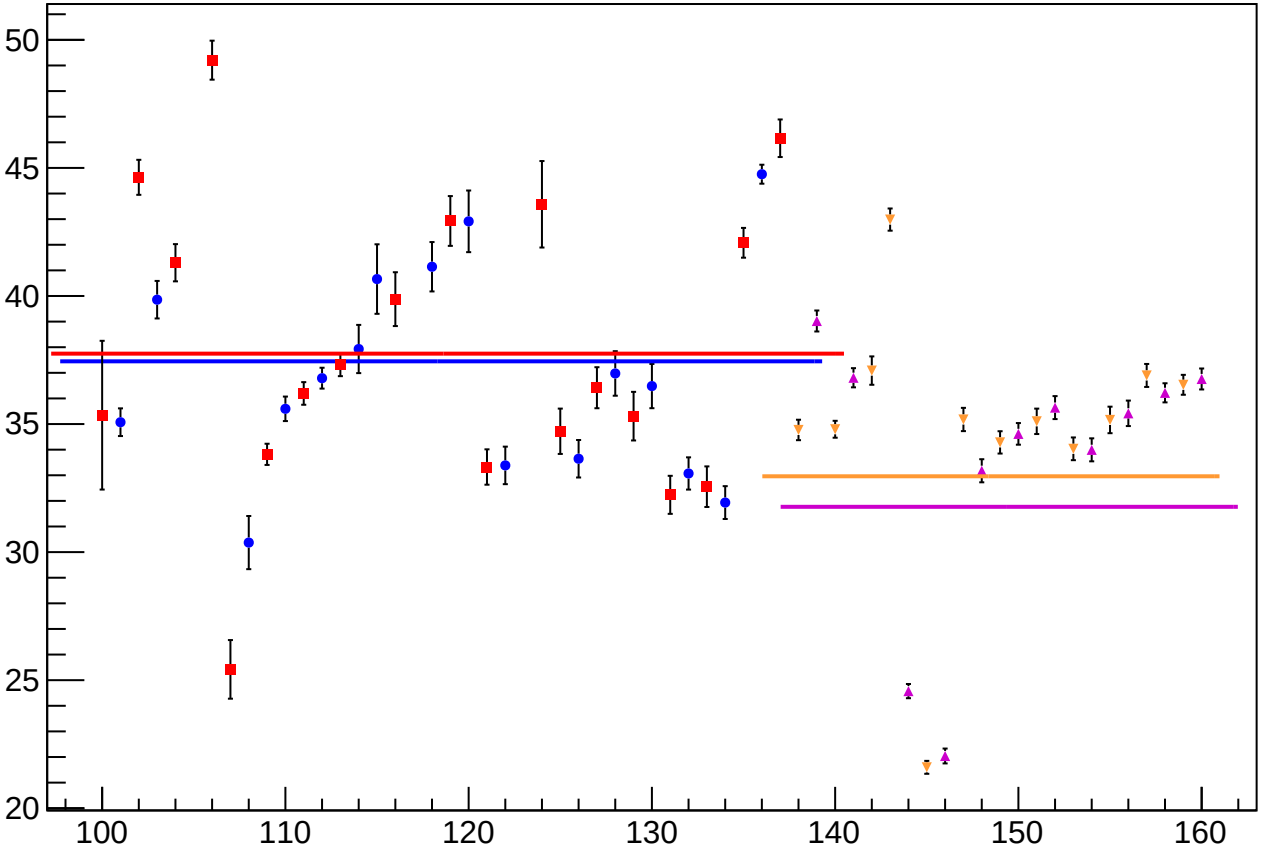
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.472+/-0.071 χ^2/NDF:666.1/26

Out: -1.624+/-0.073 χ^2/NDF:600.3/30

All: -1.546+/-0.051 χ^2/NDF: 1268.6/57

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: 31.769+/-0.115 χ^2/NDF:2789.4/10

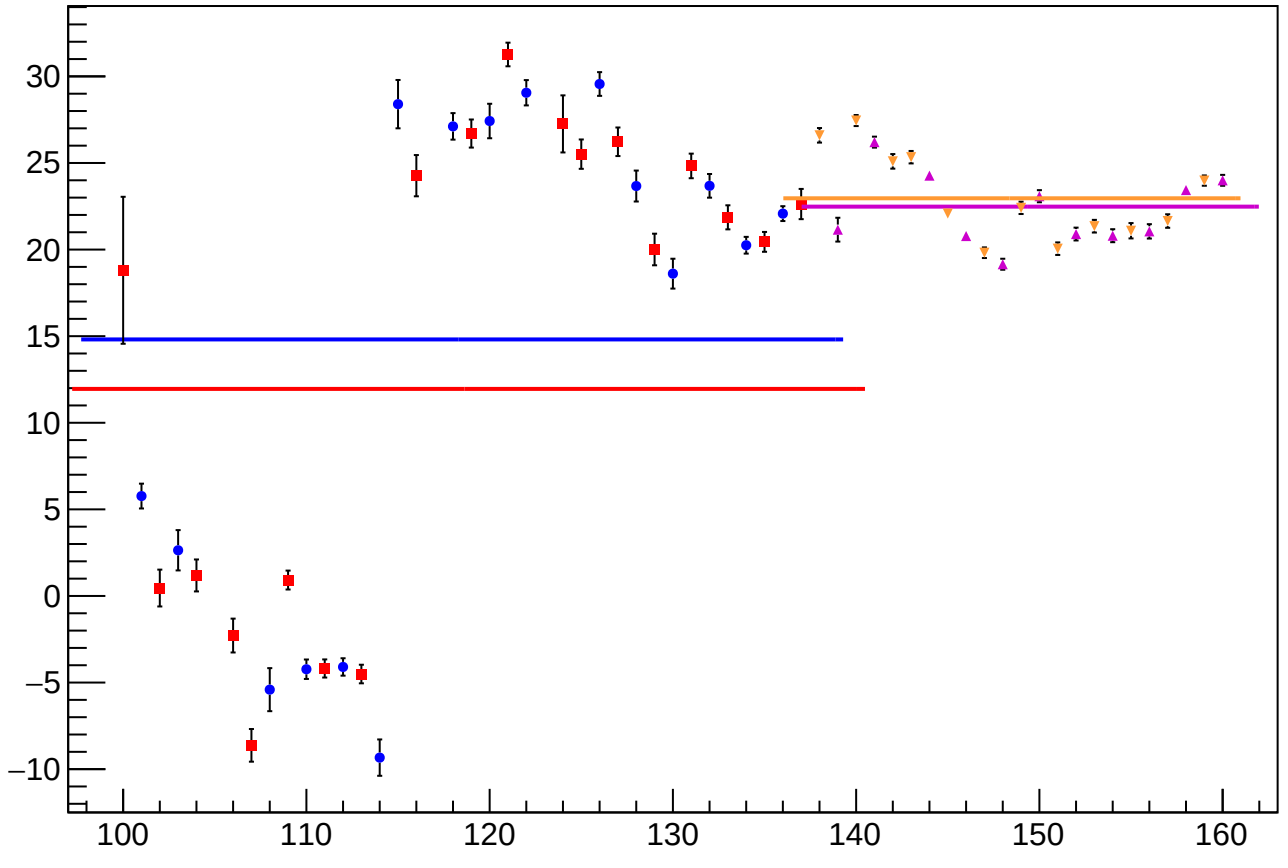
Left: 32.359+/-0.082 χ^2/NDF: 5748.4/22

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.693+/-0.094 χ^2/NDF:4322.4/26

Out: 34.618+/-0.094 χ^2/NDF:4459.3/30

All: 34.154+/-0.066 χ^2/NDF: 8830.5/57



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: 22.479+/-0.095 χ^2/NDF:456.4/10

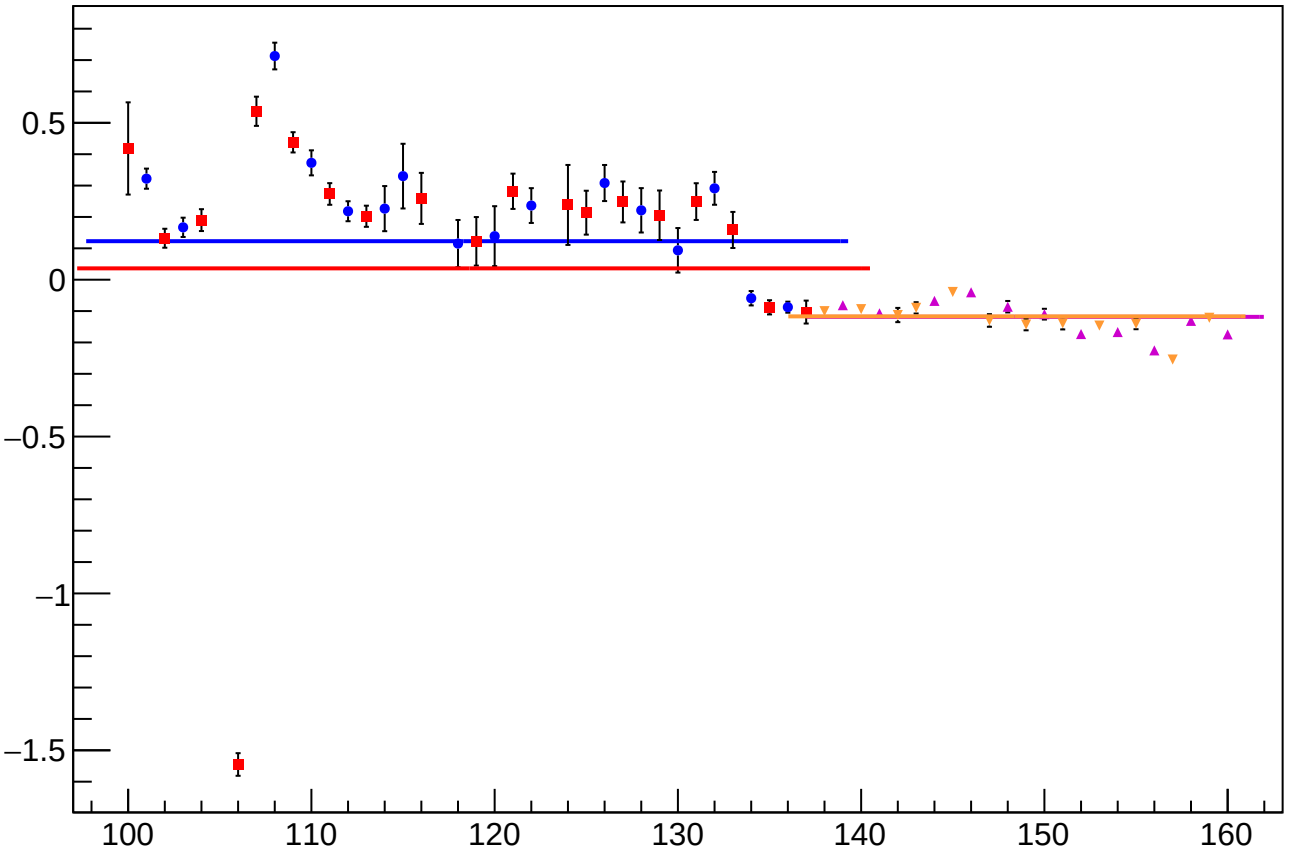
Left: 22.713+/-0.068 χ^2/NDF: 1057.5/22

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.720+/-0.083 χ^2/NDF:7641.1/26

Out: 20.380+/-0.086 χ^2/NDF:9659.7/30

All: 20.555+/-0.060 χ^2/NDF: 17308.8/57



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: -0.118+/-0.004 χ^2/NDF:149.5/10

Left: -0.118+/-0.003 χ^2/NDF: 313.2/22

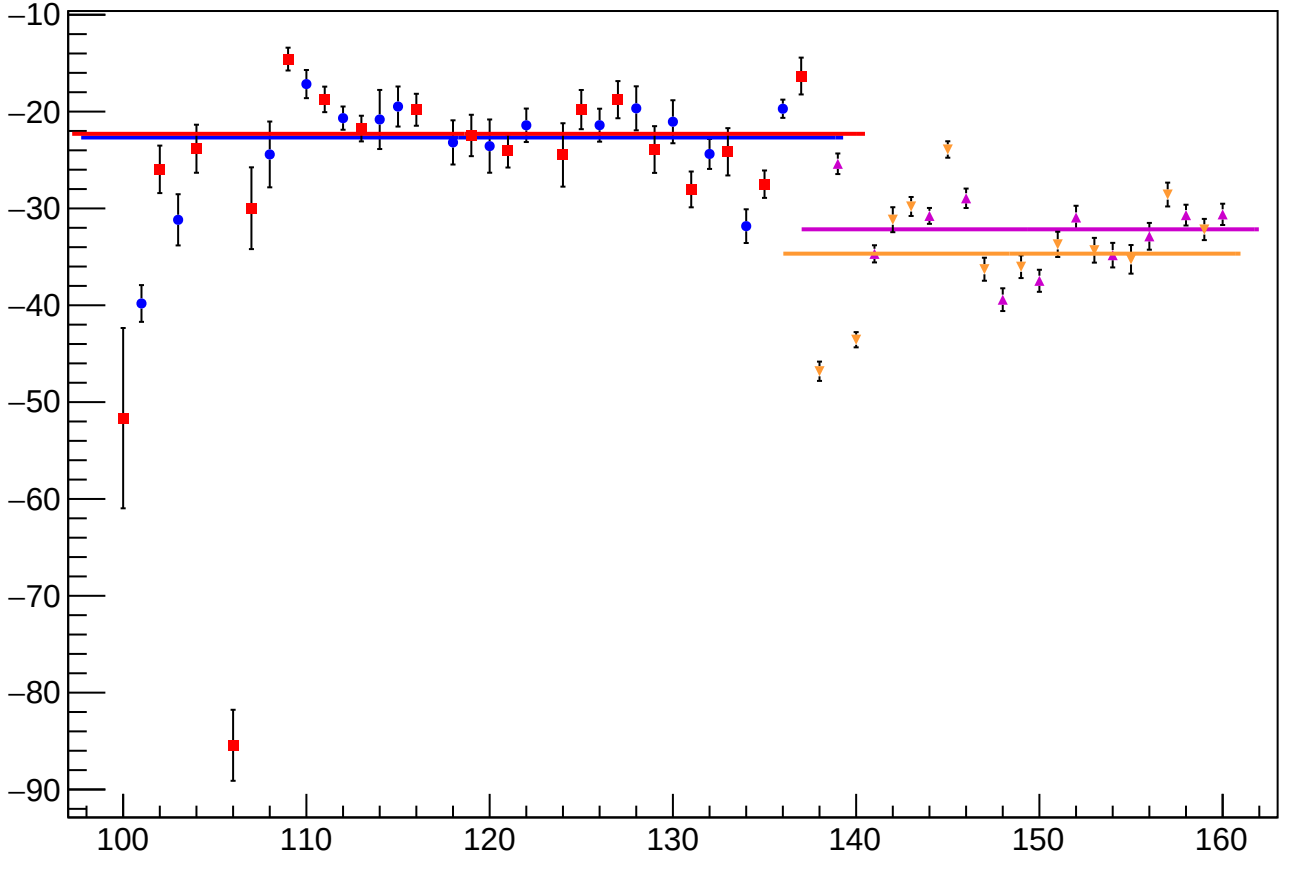
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.075+/-0.004 χ^2/NDF:1207.8/26

Out: -0.090+/-0.004 χ^2/NDF:2780.6/30

All: -0.082+/-0.003 χ^2/NDF: 3995.6/57

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -32.156+/-0.322 χ^2/NDF:131.3/10

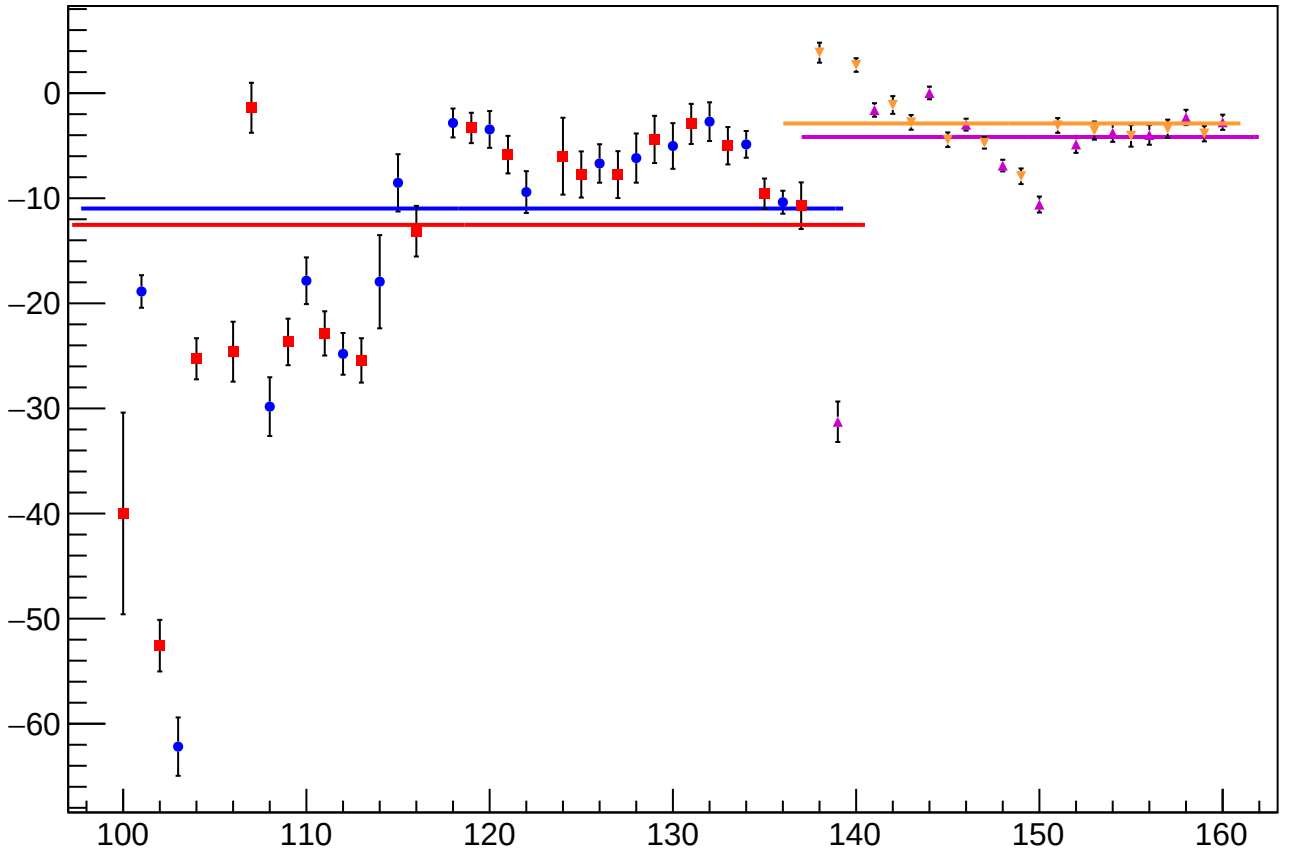
Left: -33.450+/-0.224 χ^2/NDF: 665.2/22

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.798+/-0.259 χ^2/NDF:593.2/26

Out: -30.460+/-0.254 χ^2/NDF:1441.5/30

All: -29.645+/-0.181 χ^2/NDF: 2055.8/57



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.885+/-0.215 χ^2/NDF:194.1/11

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.173+/-0.216 χ^2/NDF:373.1/10

Left: -3.525+/-0.153 χ^2/NDF: 585.0/22

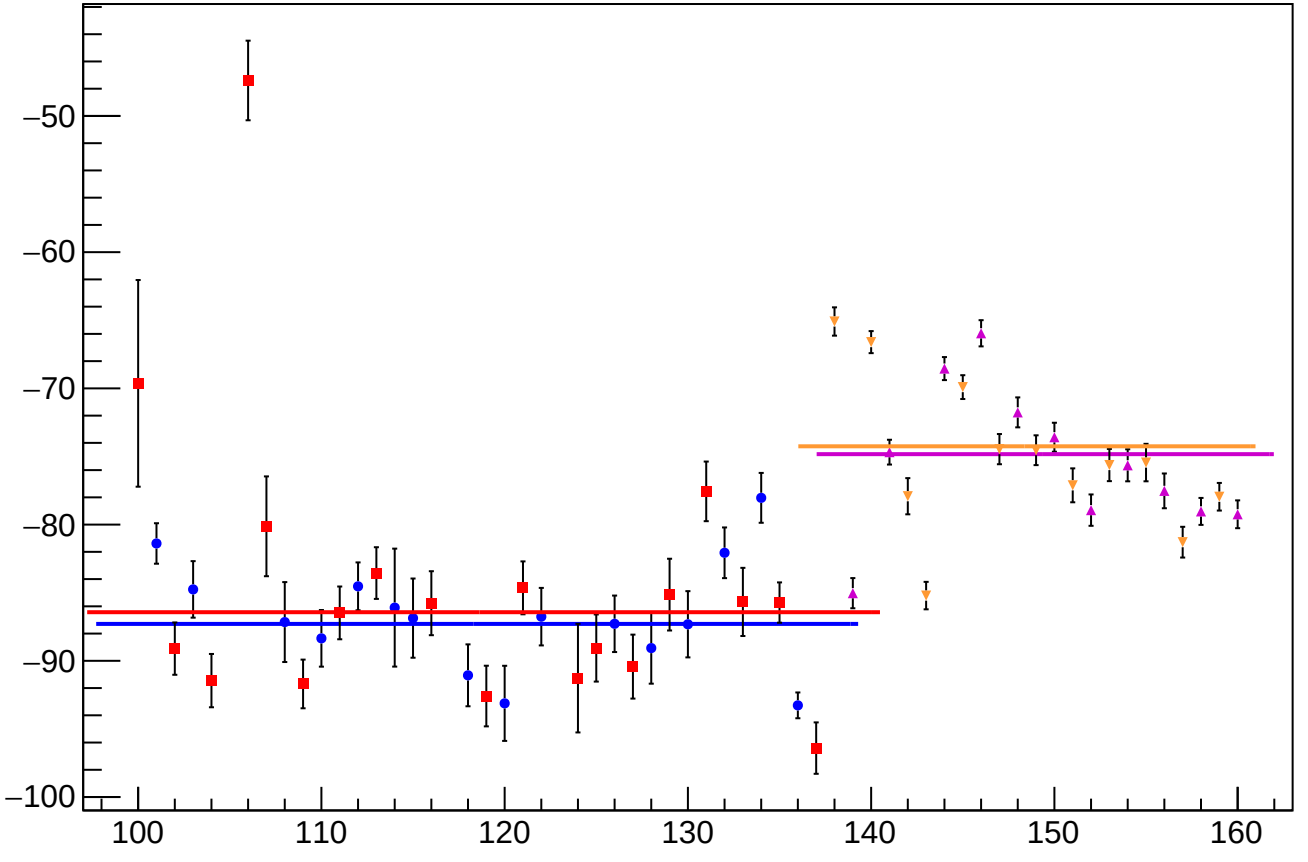
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -5.436+/-0.195 χ^2/NDF:1143.9/26

Out: -4.492+/-0.196 χ^2/NDF:1101.6/30

All: -4.966+/-0.138 χ^2/NDF: 2257.1/57

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -74.252+/-0.307 χ^2/NDF:377.3/11

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -74.828+/-0.312 χ^2/NDF:288.9/10

Left: -74.536+/-0.219 χ^2/NDF: 668.0/22

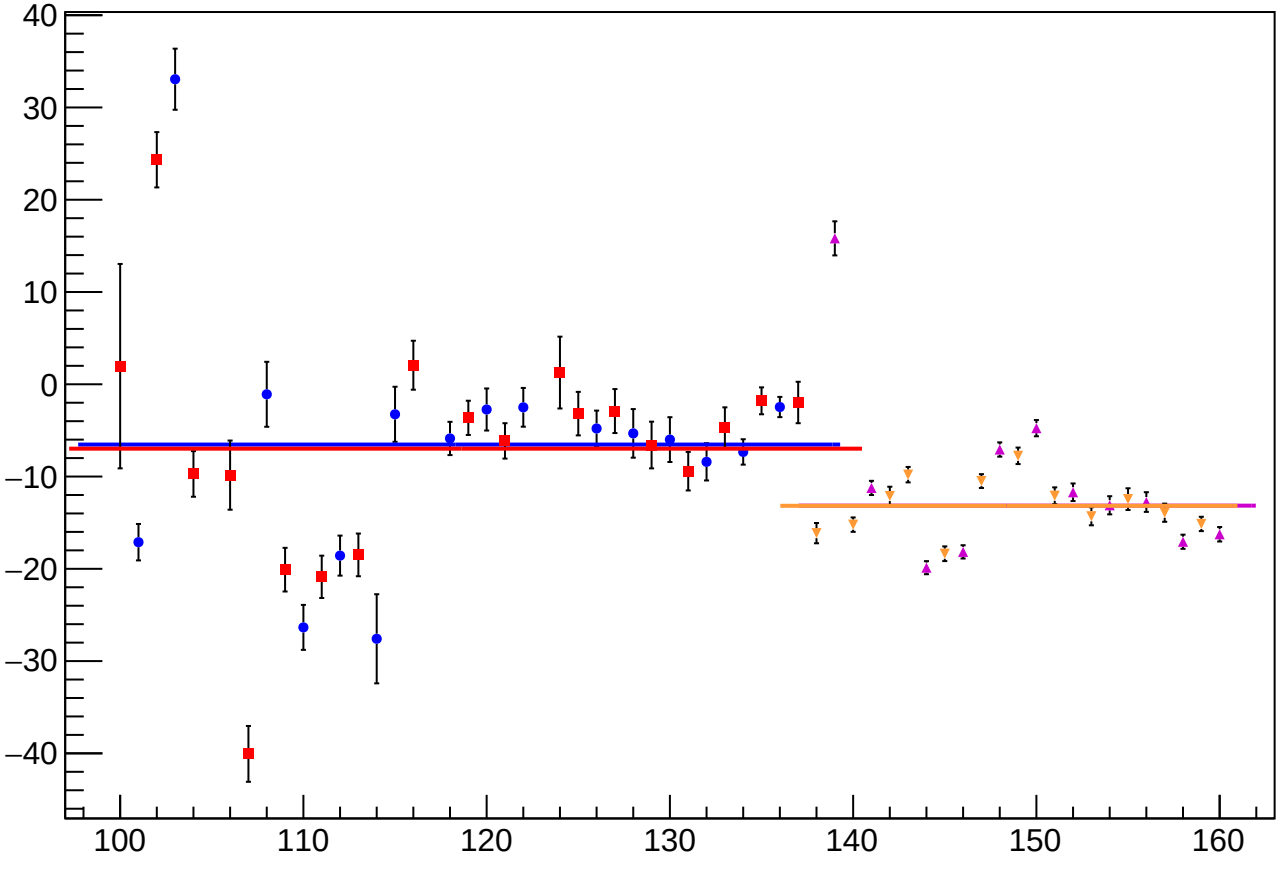
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -78.520+/-0.262 χ^2/NDF:863.4/26

Out: -77.530+/-0.262 χ^2/NDF:1065.7/30

All: -78.026+/-0.185 χ^2/NDF: 1936.2/57

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: -13.153+/-0.256 χ^2/NDF:587.3/10

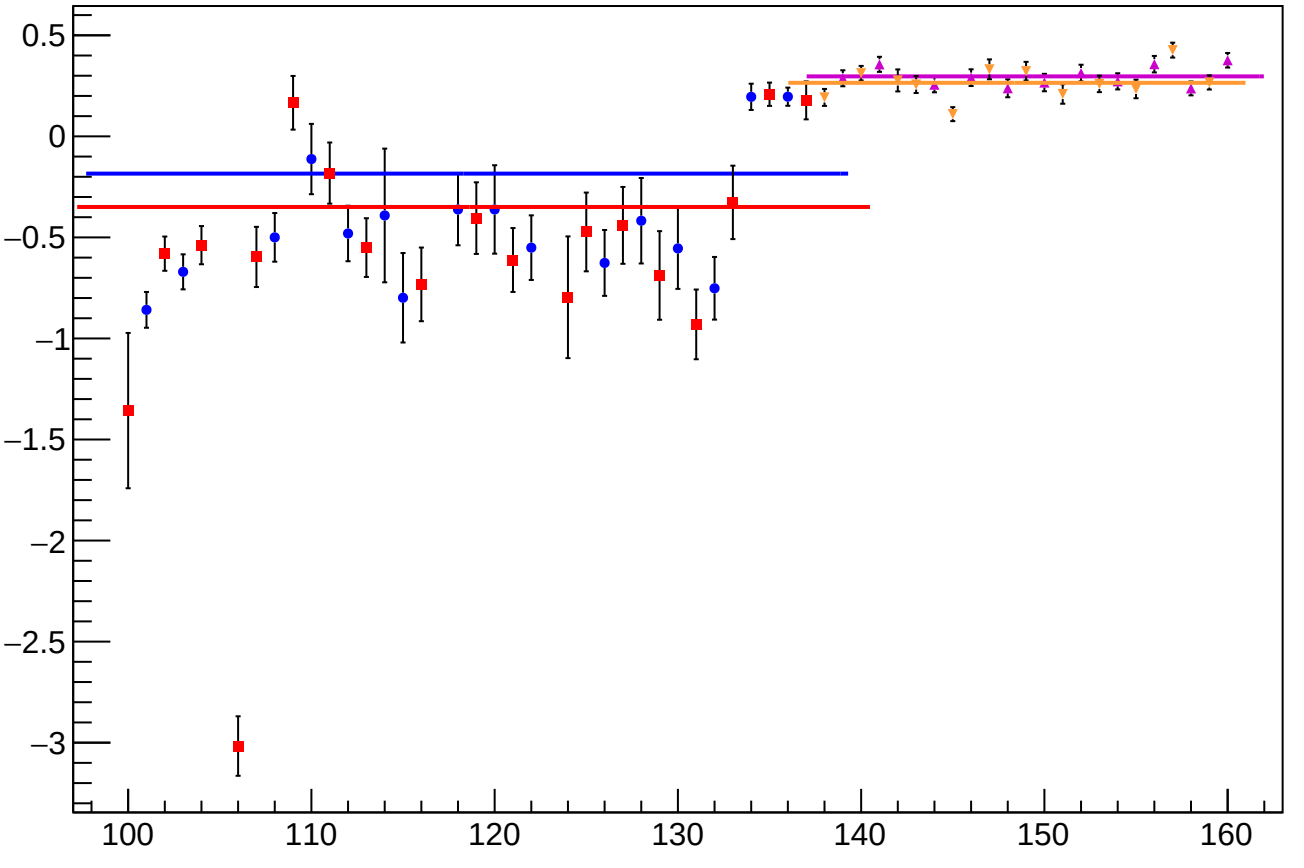
Left: -13.161+/-0.182 χ^2/NDF: 720.8/22

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.808+/-0.229 χ^2/NDF:1036.5/26

Out: -12.032+/-0.232 χ^2/NDF:608.4/30

All: -11.918+/-0.163 χ^2/NDF: 1645.4/57



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: 0.297+/-0.012 χ^2/NDF:16.7/10

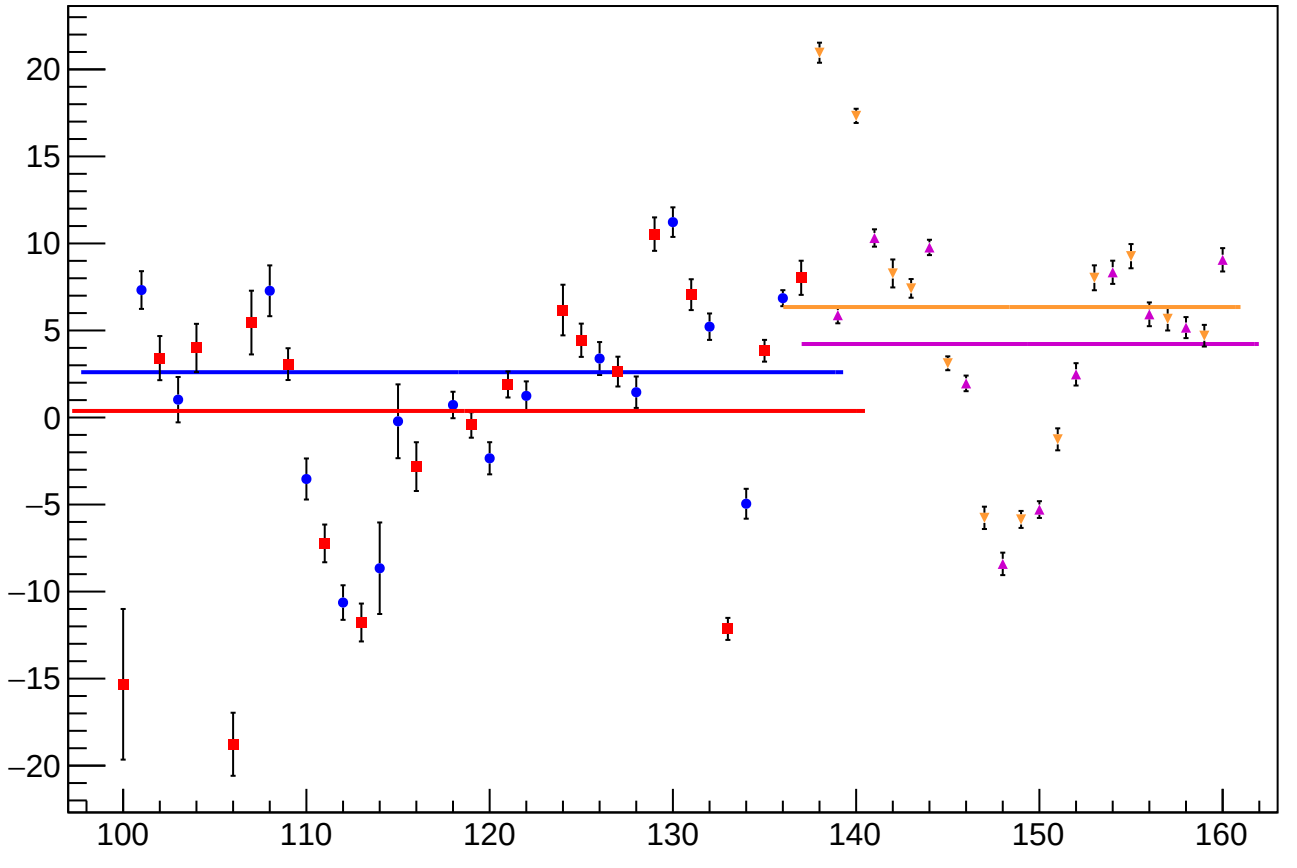
Left: 0.281+/-0.008 χ^2/NDF: 69.4/22

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.218+/-0.011 χ^2/NDF:534.0/26

Out: 0.177+/-0.011 χ^2/NDF:942.2/30

All: 0.198+/-0.008 χ^2/NDF: 1483.0/57



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: 4.223+/-0.164 χ^2/NDF:1226.5/10

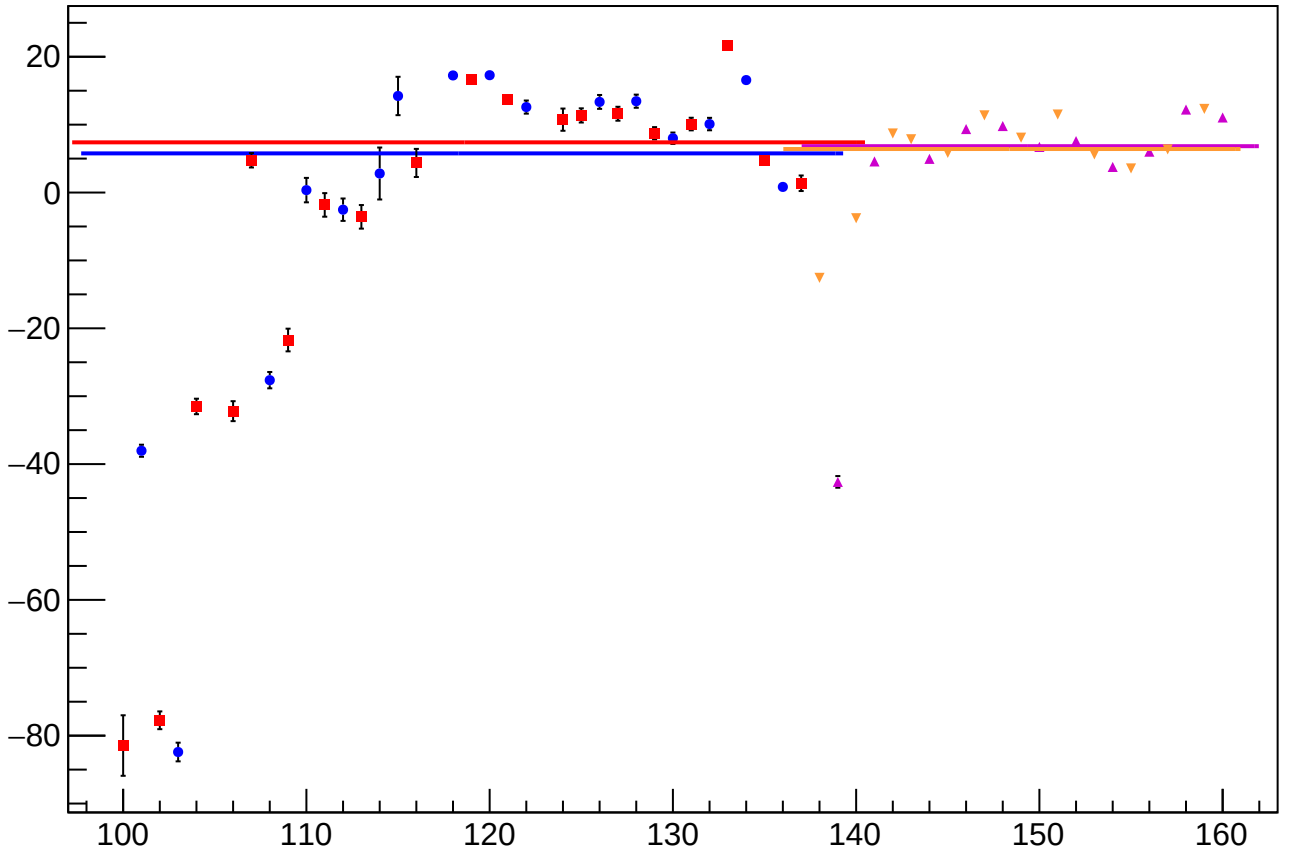
Left: 5.300+/-0.115 χ^2/NDF: 3910.3/22

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.659+/-0.132 χ^2/NDF:1833.6/26

Out: 4.282+/-0.131 χ^2/NDF:4101.6/30

All: 3.974+/-0.093 χ^2/NDF: 5946.4/57



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: 6.829+/-0.114 χ^2/NDF:3878.0/10

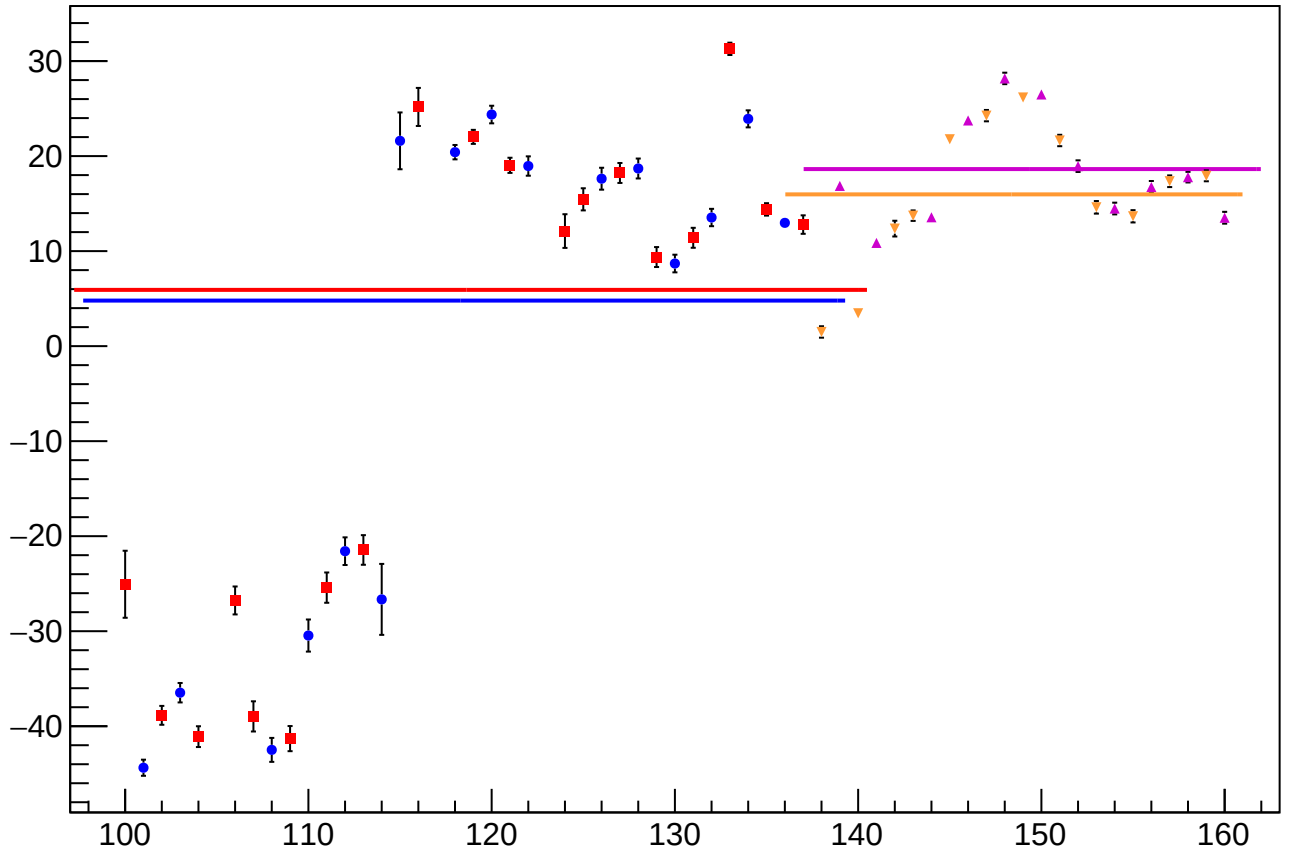
Left: 6.618+/-0.080 χ^2/NDF: 6614.4/22

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.588+/-0.100 χ^2/NDF:12831.6/26

Out: 6.633+/-0.099 χ^2/NDF:11137.3/30

All: 6.611+/-0.070 χ^2/NDF: 23969.0/57



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: 18.634+/-0.159 χ^2/NDF:1188.2/10

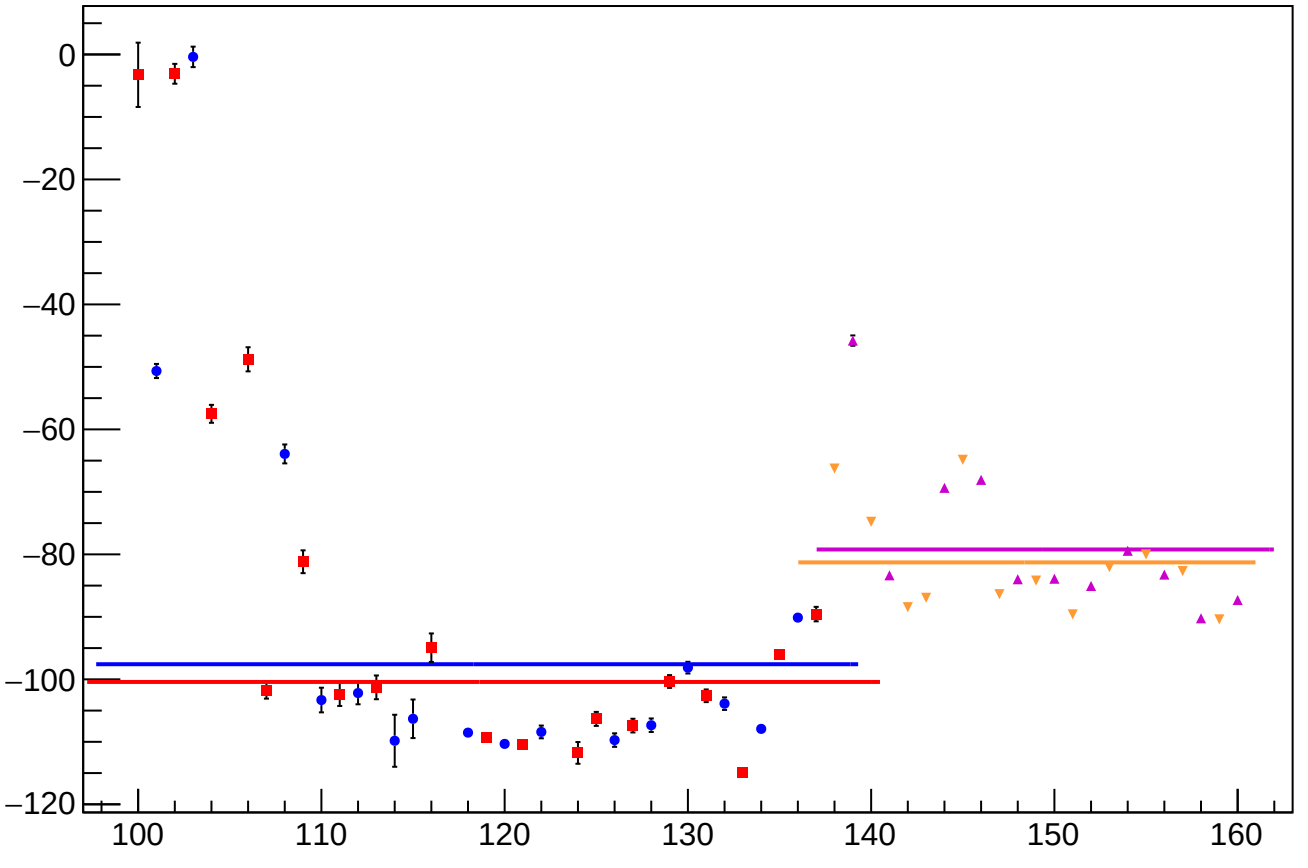
Left: 17.298+/-0.112 χ^2/NDF: 3846.3/22

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.350+/-0.132 χ^2/NDF:13031.5/26

Out: 12.919+/-0.132 χ^2/NDF:13799.0/30

All: 13.635+/-0.093 χ^2/NDF: 26889.2/57



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: -79.218+/-0.134 χ^2/NDF:4874.8/10

Left: -80.250+/-0.095 χ^2/NDF: 8923.8/22

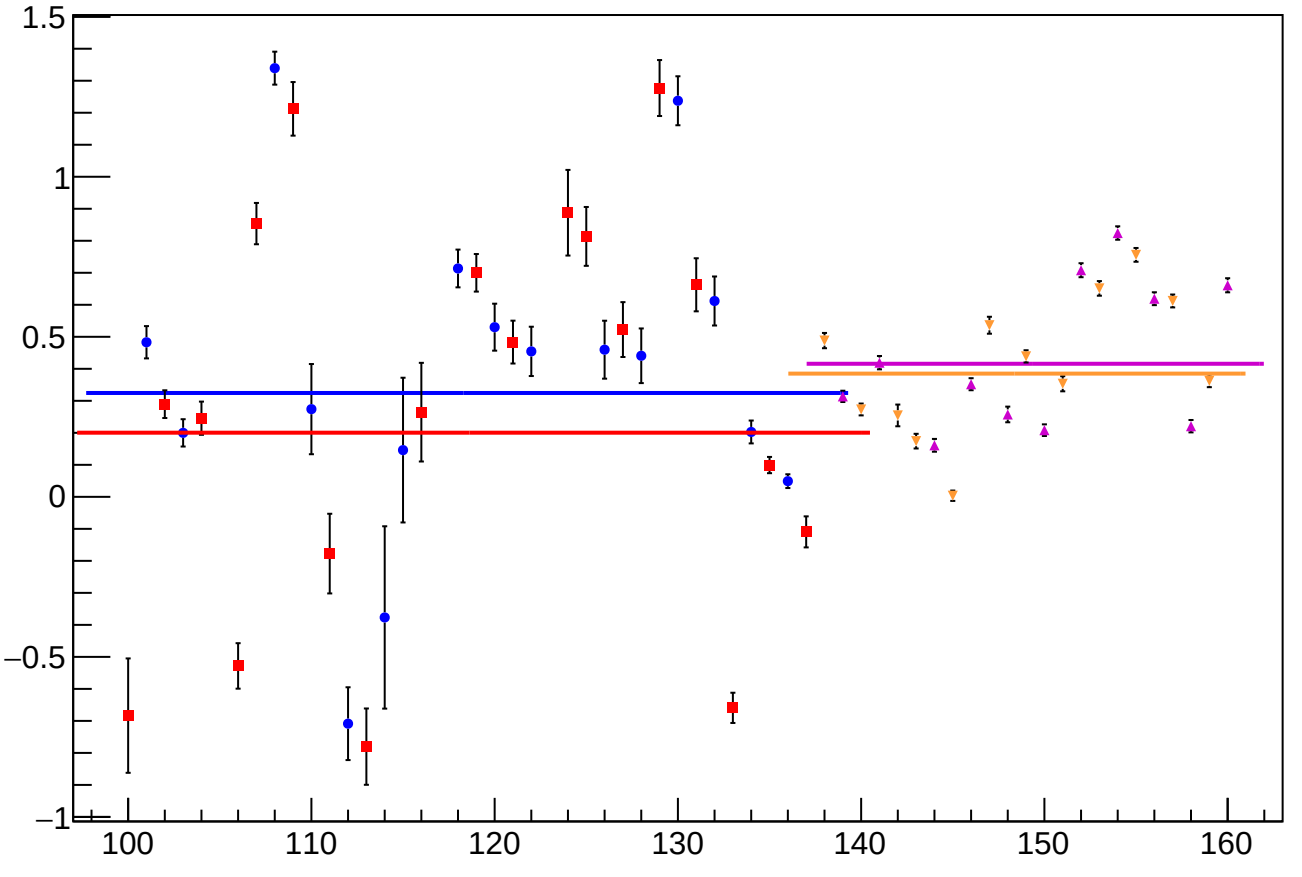
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -83.533+/-0.117 χ^2/NDF:16435.3/26

Out: -85.805+/-0.117 χ^2/NDF:15860.8/30

All: -84.669+/-0.083 χ^2/NDF: 32484.1/57

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: 0.416+/-0.006 χ^2/NDF:1264.2/10

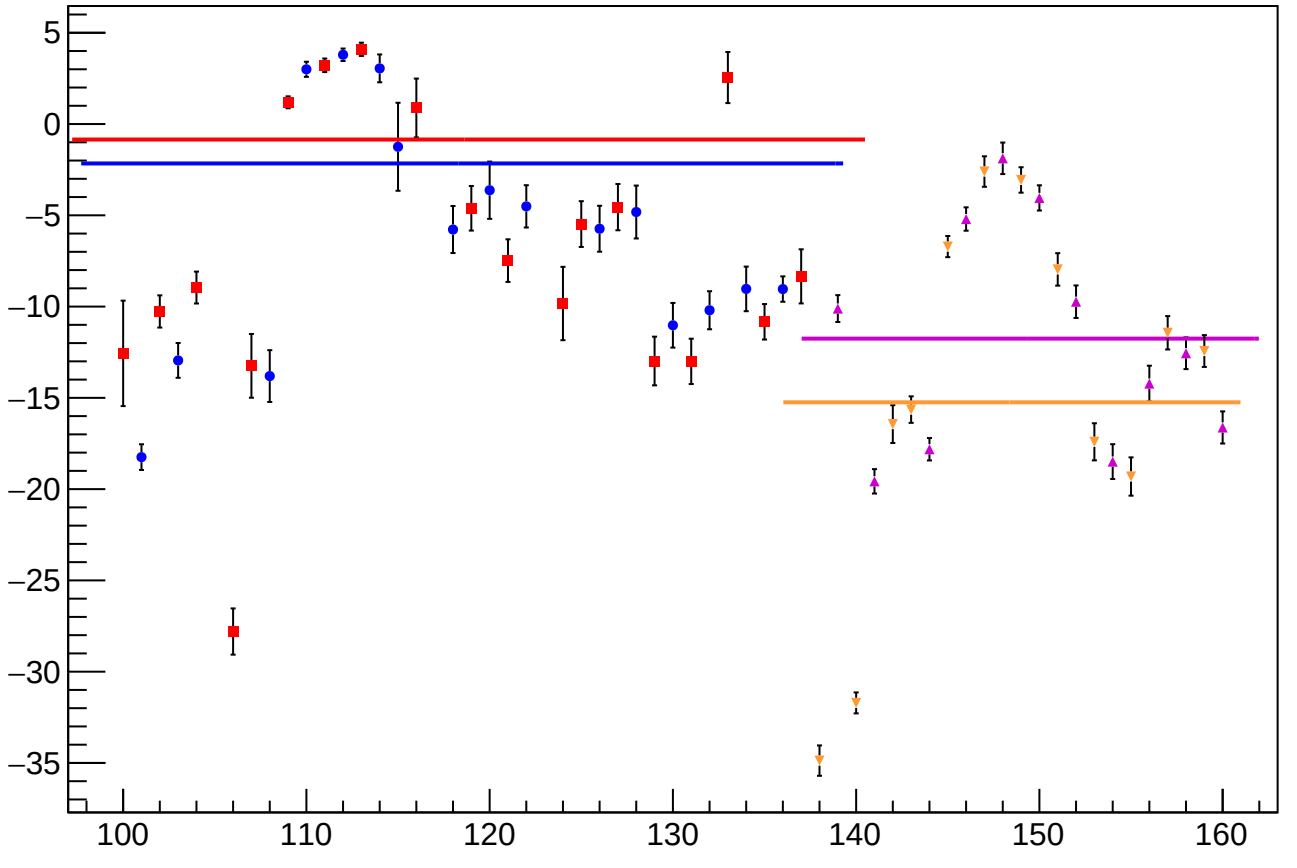
Left: 0.401+/-0.004 χ^2/NDF: 2590.4/22

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.400+/-0.006 χ^2/NDF:2189.7/26

Out: 0.354+/-0.006 χ^2/NDF:2668.1/30

All: 0.378+/-0.004 χ^2/NDF: 4891.2/57



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: -11.755+/-0.232 χ^2/NDF:692.3/10

Left: -13.535+/-0.162 χ^2/NDF: 3053.5/22

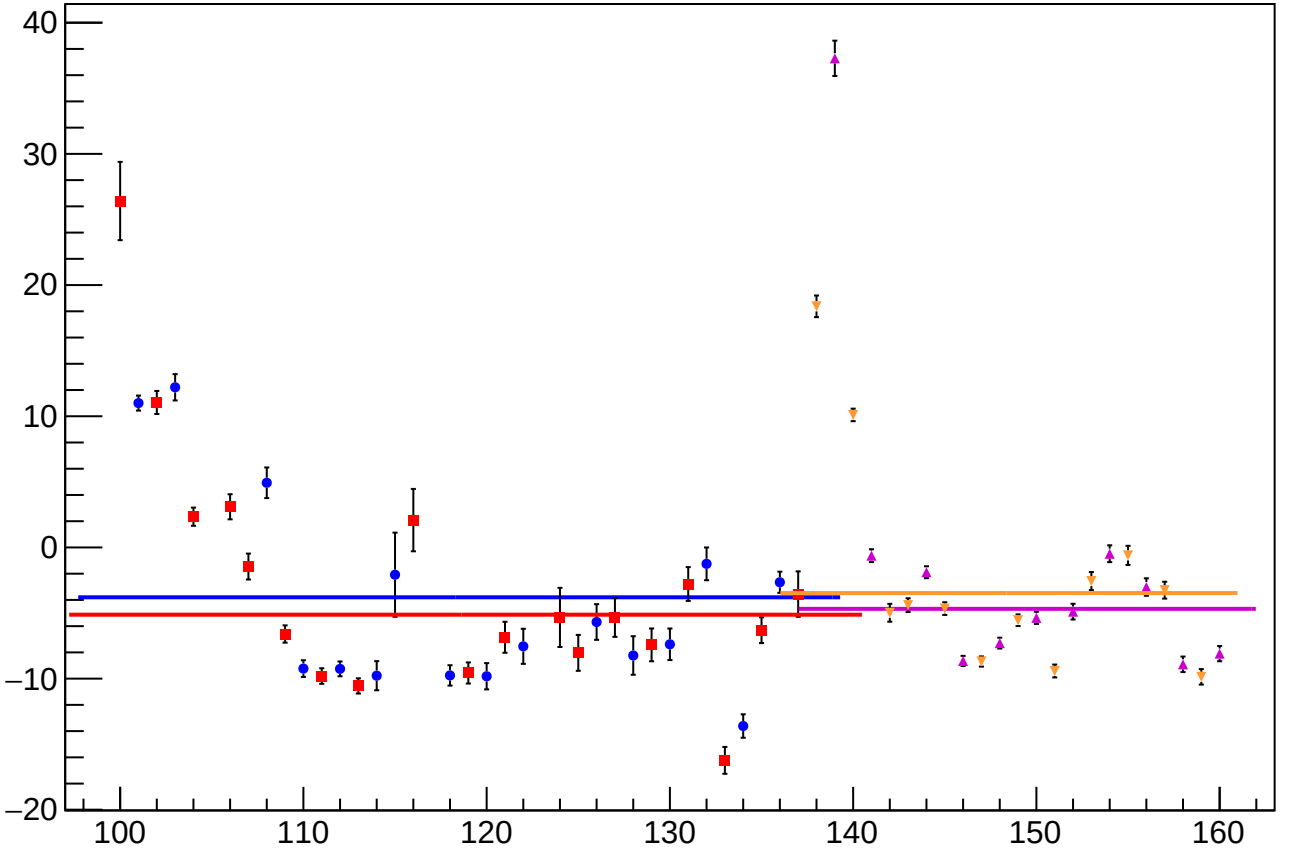
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -6.067+/-0.148 χ^2/NDF:3200.5/26

Out: -6.039+/-0.136 χ^2/NDF:6284.5/30

All: -6.052+/-0.100 χ^2/NDF: 9485.1/57

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: -4.680+/-0.158 χ^2/NDF:1360.5/10

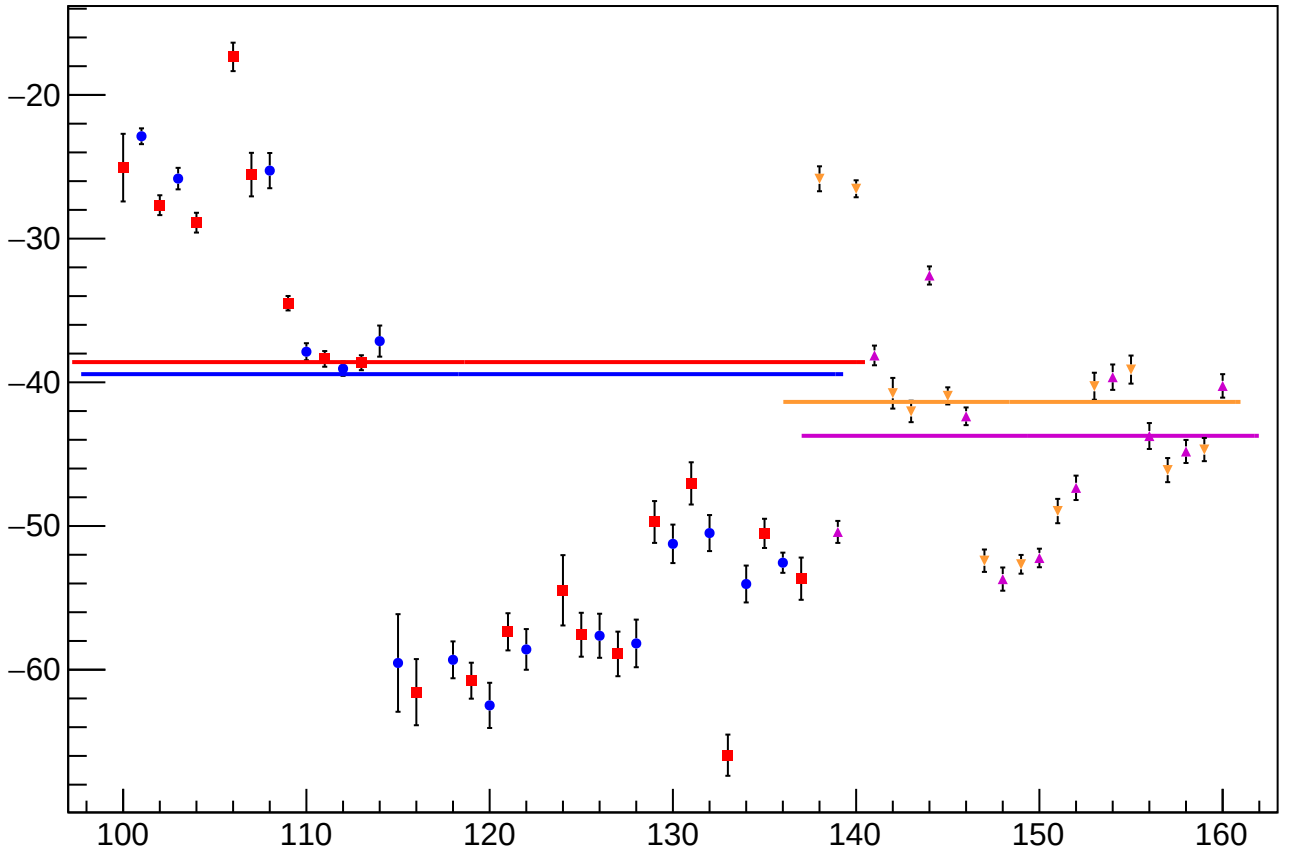
Left: -4.070+/-0.111 χ^2/NDF: 3395.2/22

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.390+/-0.129 χ^2/NDF:2796.2/26

Out: -4.033+/-0.127 χ^2/NDF:3023.6/30

All: -4.208+/-0.091 χ^2/NDF: 5823.7/57



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: -43.722+/-0.224 χ^2/NDF:844.0/10

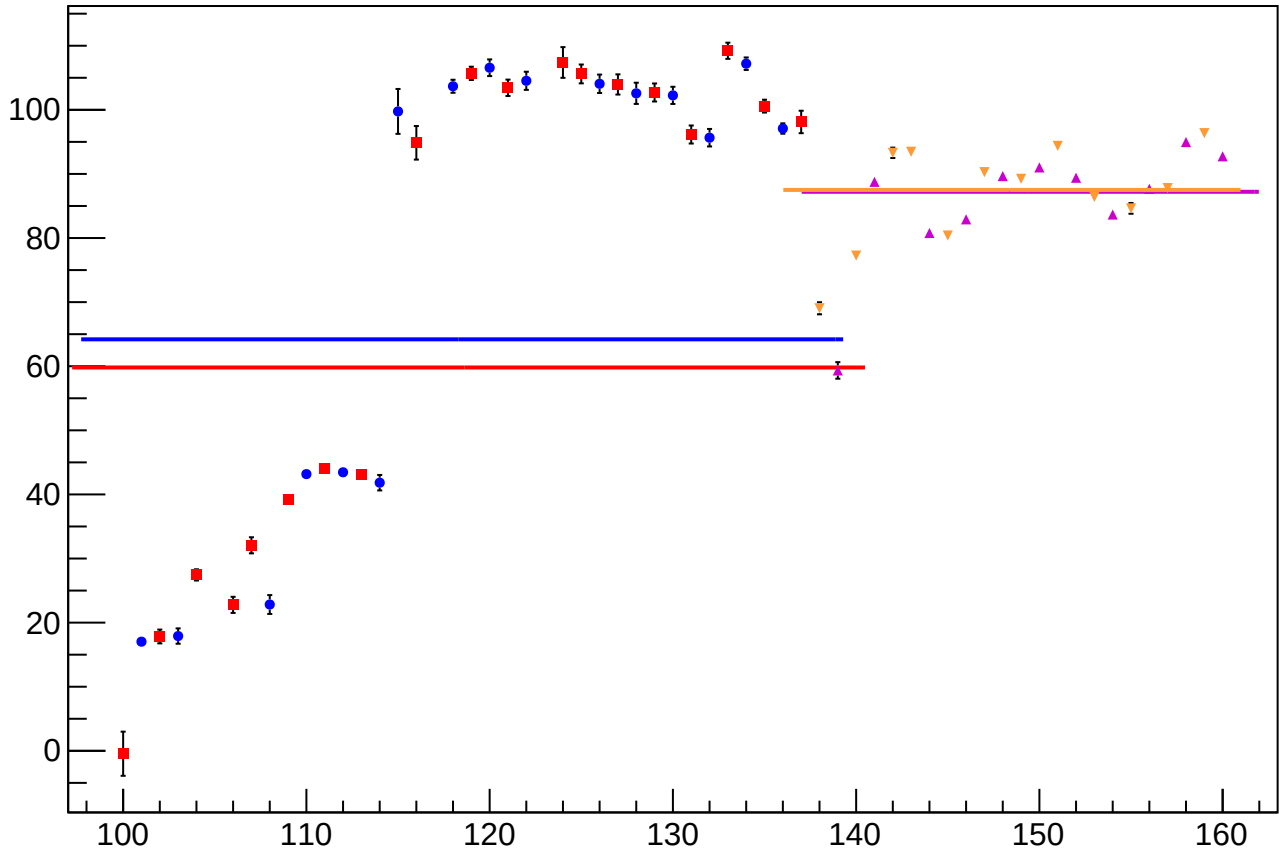
Left: -42.532+/-0.158 χ^2/NDF: 2490.0/22

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.586+/-0.159 χ^2/NDF:3984.1/26

Out: -39.915+/-0.154 χ^2/NDF:4443.4/30

All: -40.722+/-0.111 χ^2/NDF: 8484.6/57



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: 87.215+/-0.187 χ^2/NDF:1032.8/10

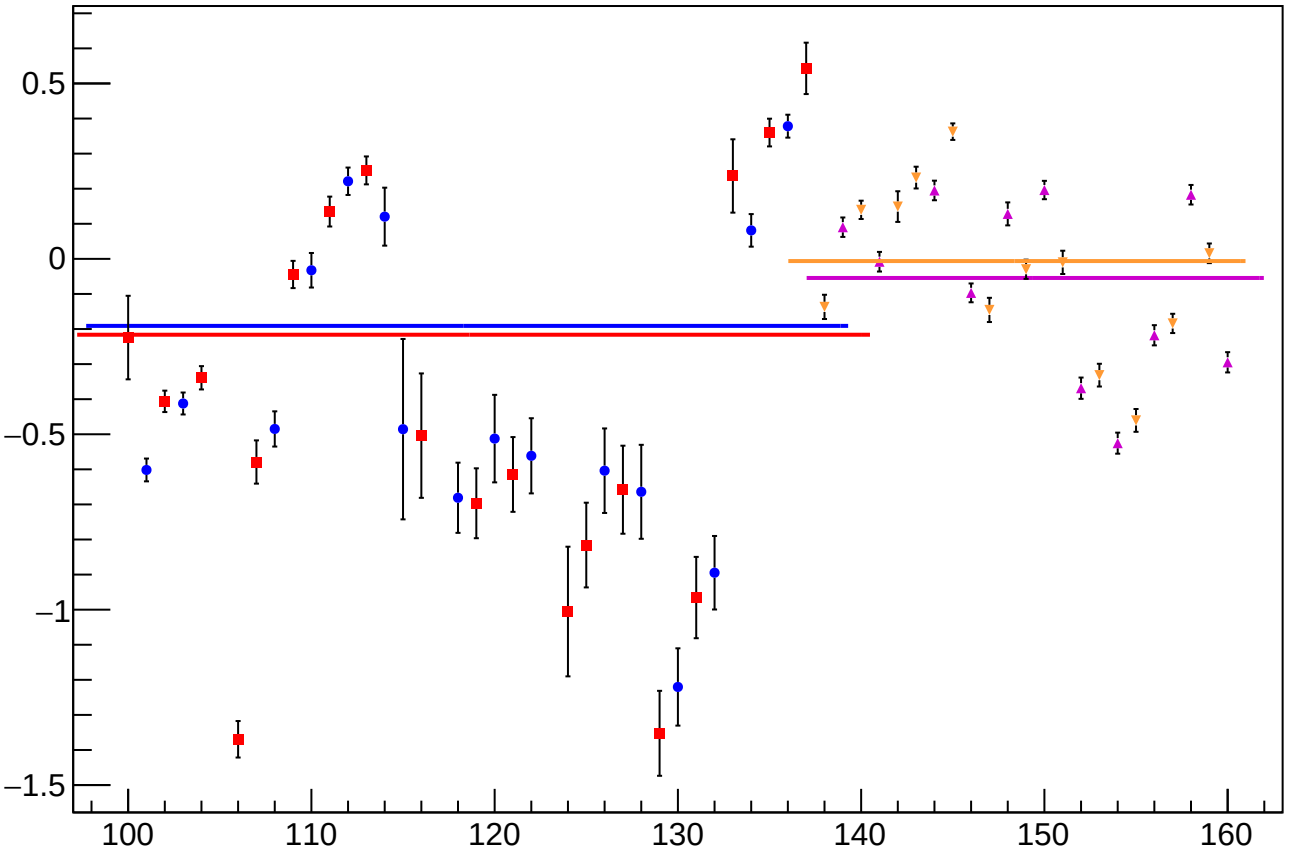
Left: 87.361+/-0.132 χ^2/NDF: 2420.7/22

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.277+/-0.151 χ^2/NDF:24864.7/26

Out: 77.520+/-0.149 χ^2/NDF:26749.2/30

All: 78.387+/-0.106 χ^2/NDF: 51682.2/57



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: -0.054+/-0.009 χ^2/NDF:762.7/10

Left: -0.031+/-0.006 χ^2/NDF: 1495.9/22

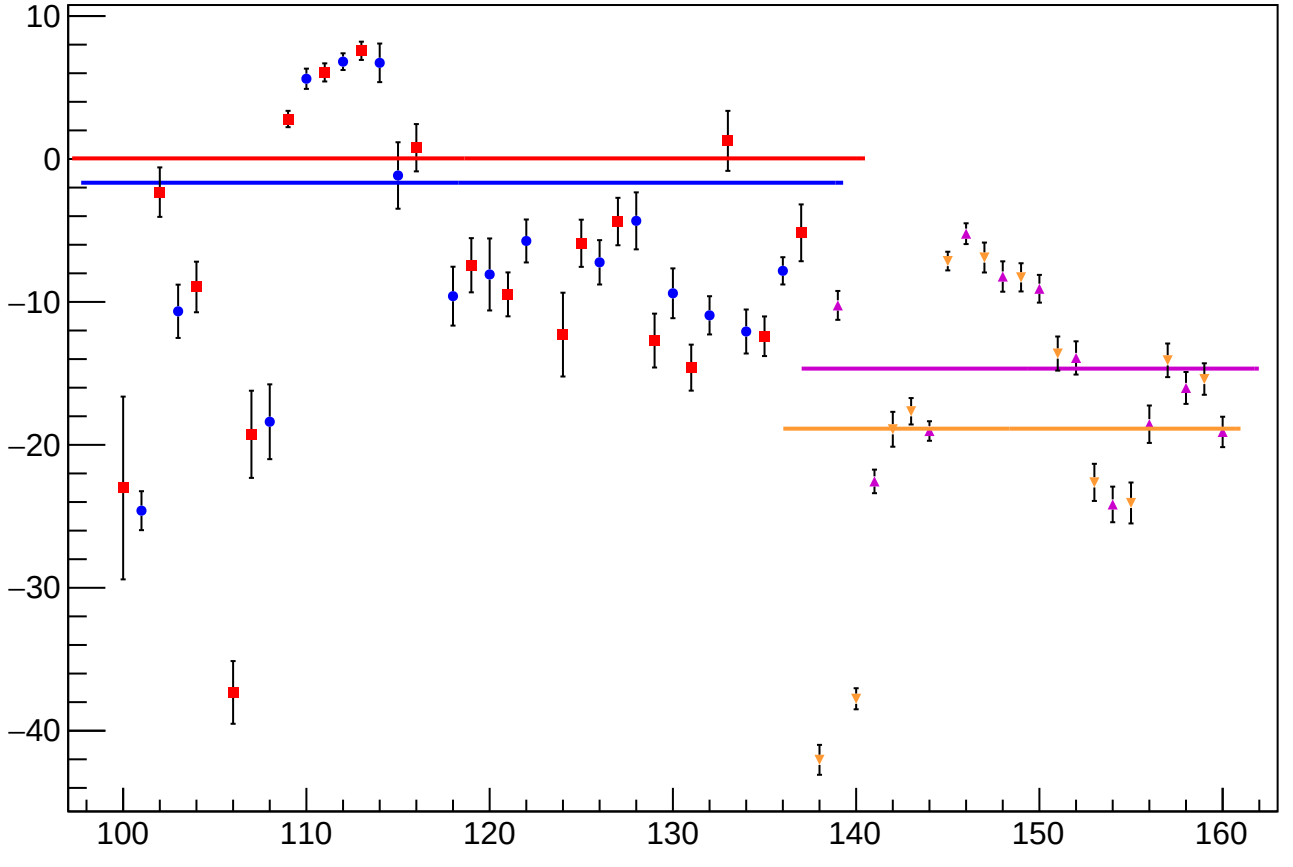
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.094+/-0.007 χ^2/NDF:1754.4/26

Out: -0.071+/-0.007 χ^2/NDF:2267.3/30

All: -0.083+/-0.005 χ^2/NDF: 4026.6/57

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: -14.665+/-0.288 χ^2/NDF:476.0/10

Left: -16.777+/-0.203 χ^2/NDF: 2368.7/22

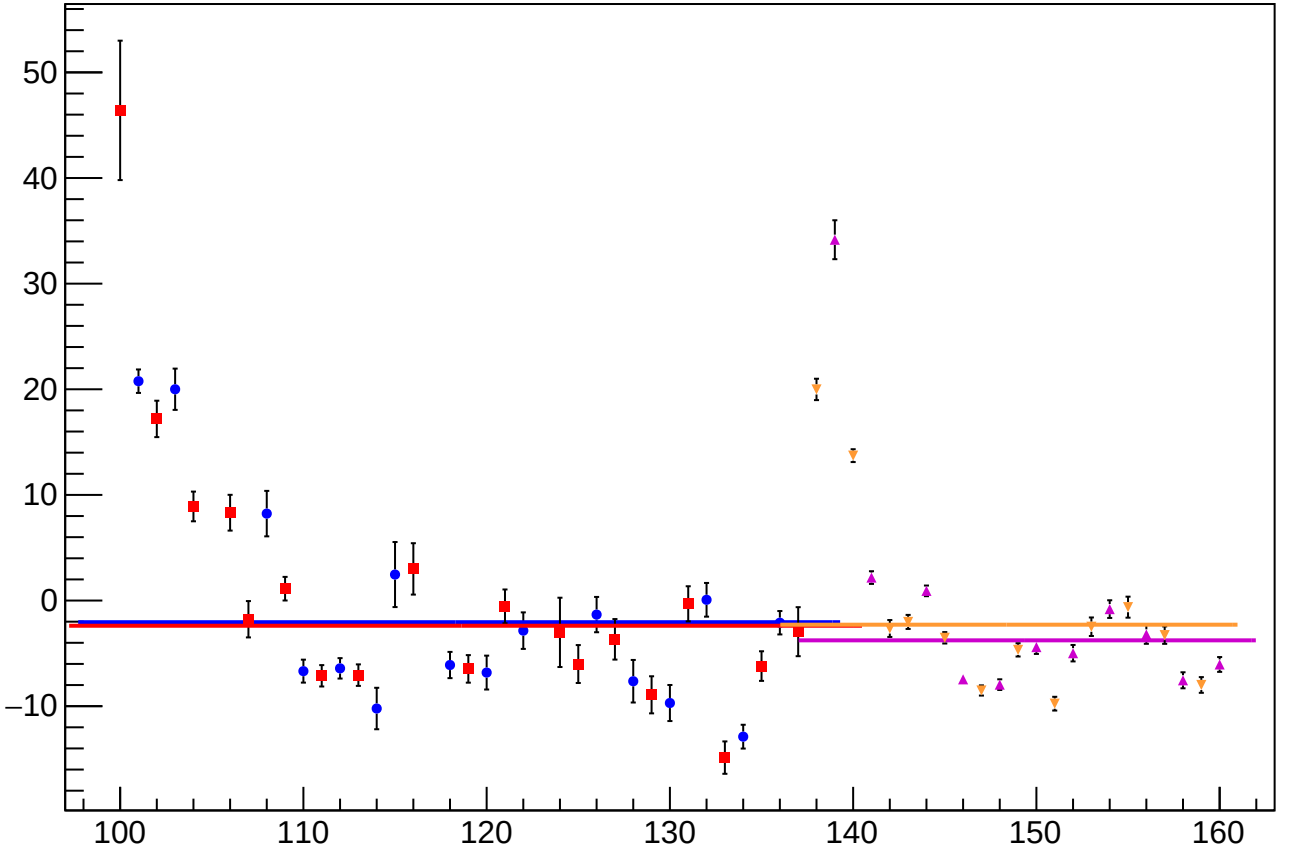
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -8.608+/-0.210 χ^2/NDF:2328.2/26

Out: -9.272+/-0.201 χ^2/NDF:4932.6/30

All: -8.955+/-0.145 χ^2/NDF: 7266.0/57

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: -3.767+/-0.193 χ^2/NDF:802.2/10

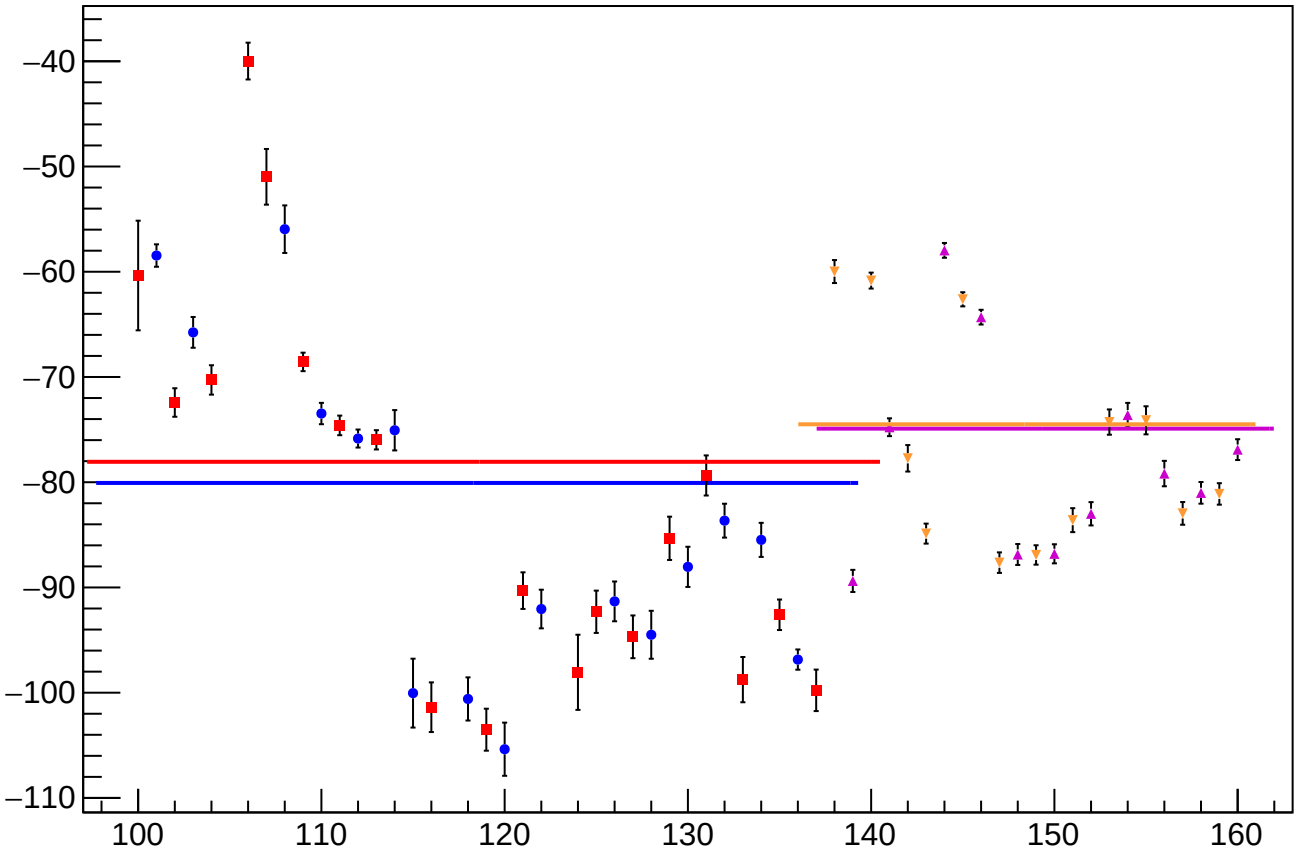
Left: -3.041+/-0.138 χ^2/NDF: 2390.5/22

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -3.377+/-0.170 χ^2/NDF:1592.1/26

Out: -2.309+/-0.172 χ^2/NDF:2010.4/30

All: -2.851+/-0.121 χ^2/NDF: 3622.0/57



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: -74.909+/-0.279 χ^2/NDF:1420.8/10

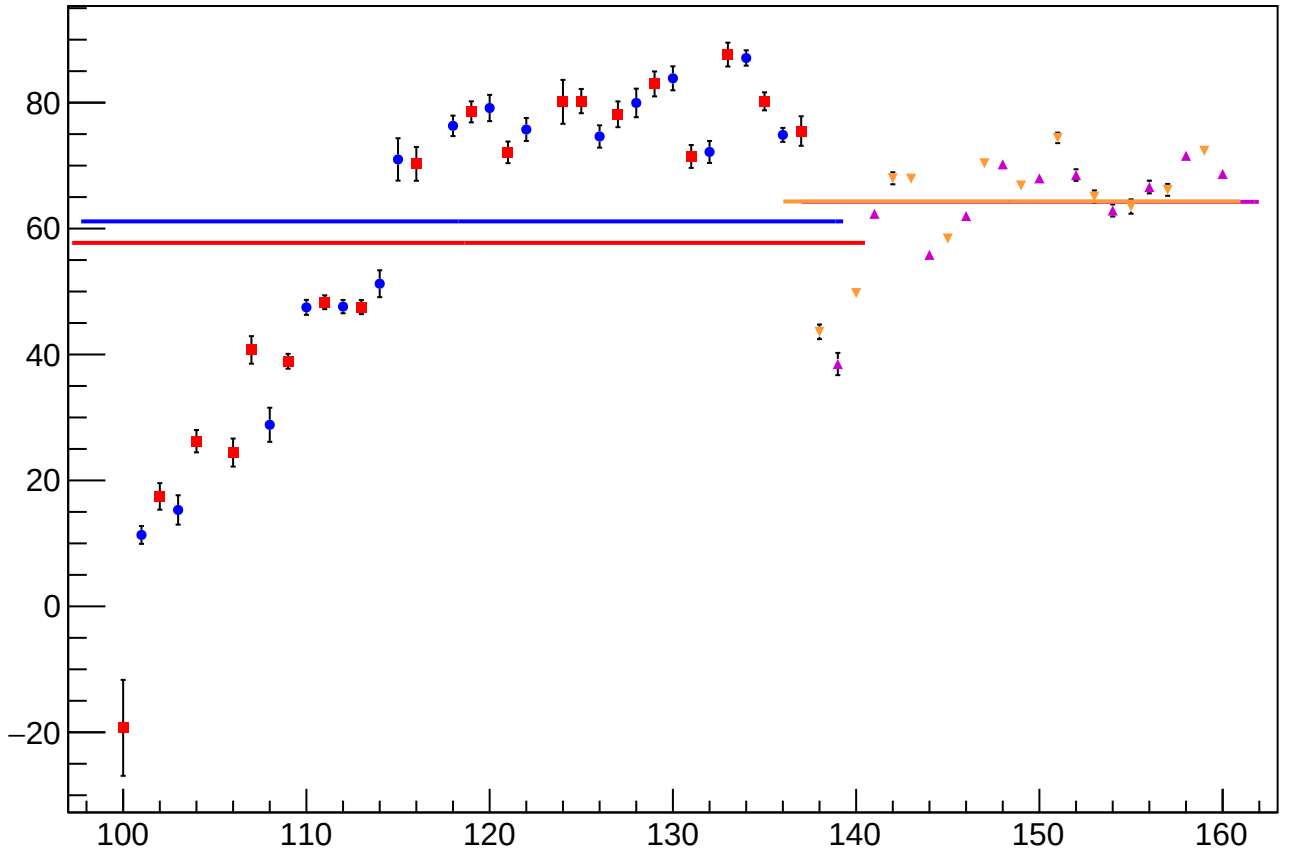
Left: -74.704+/-0.198 χ^2/NDF: 2893.2/22

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.820+/-0.222 χ^2/NDF:2934.3/26

Out: -75.878+/-0.220 χ^2/NDF:3094.7/30

All: -76.346+/-0.156 χ^2/NDF: 6038.0/57



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: 64.245+/-0.230 χ^2/NDF:683.8/10

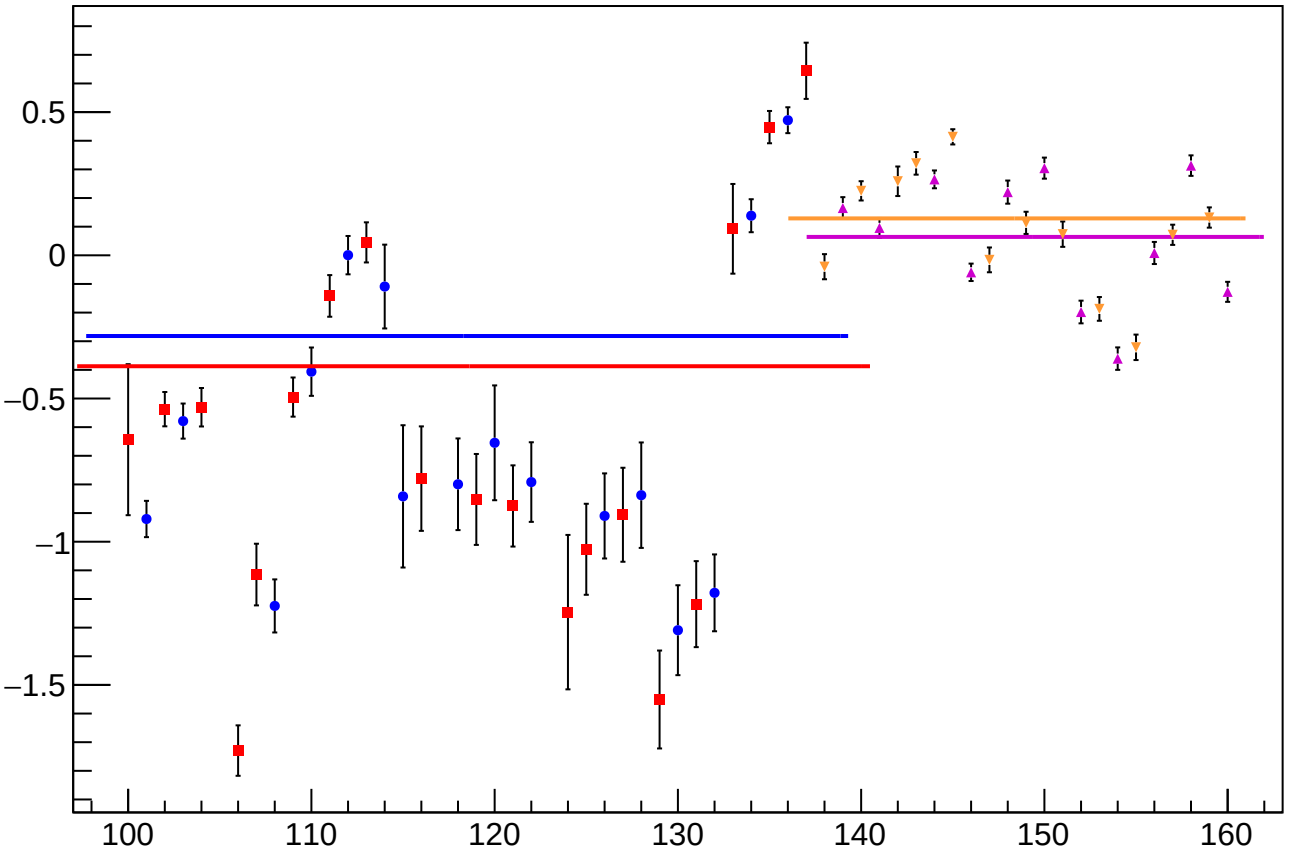
Left: 64.274+/-0.165 χ^2/NDF: 1875.2/22

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 63.475+/-0.199 χ^2/NDF:3958.3/26

Out: 62.607+/-0.203 χ^2/NDF:4167.5/30

All: 63.049+/-0.142 χ^2/NDF: 8135.1/57



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: 0.064+/-0.011 χ^2/NDF:365.7/10

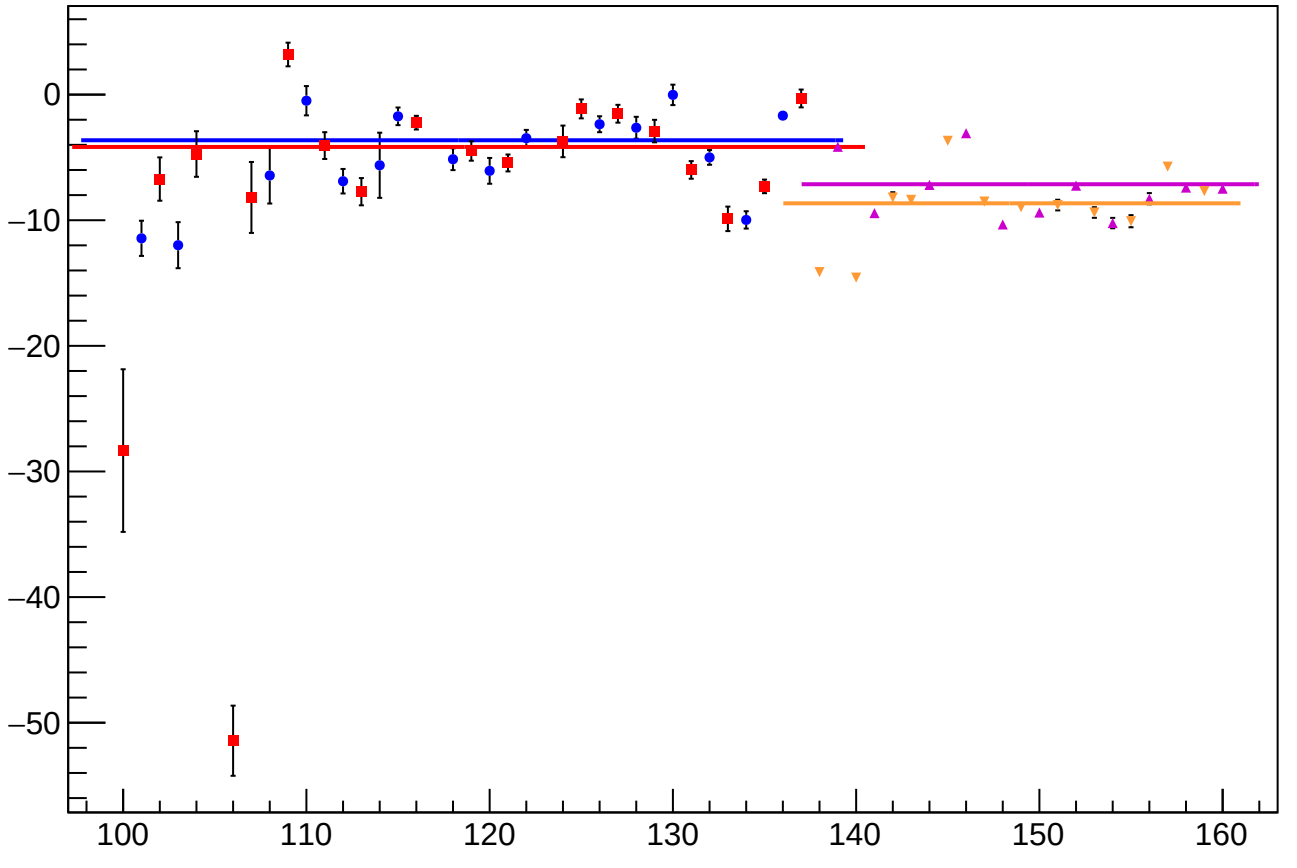
Left: 0.096+/-0.008 χ^2/NDF: 726.9/22

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.005+/-0.010 χ^2/NDF:1298.7/26

Out: 0.025+/-0.010 χ^2/NDF:1605.4/30

All: 0.010+/-0.007 χ^2/NDF: 2908.7/57



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: -7.135+/-0.097 χ^2/NDF:620.4/10

Left: -7.886+/-0.069 χ^2/NDF: 2085.8/22

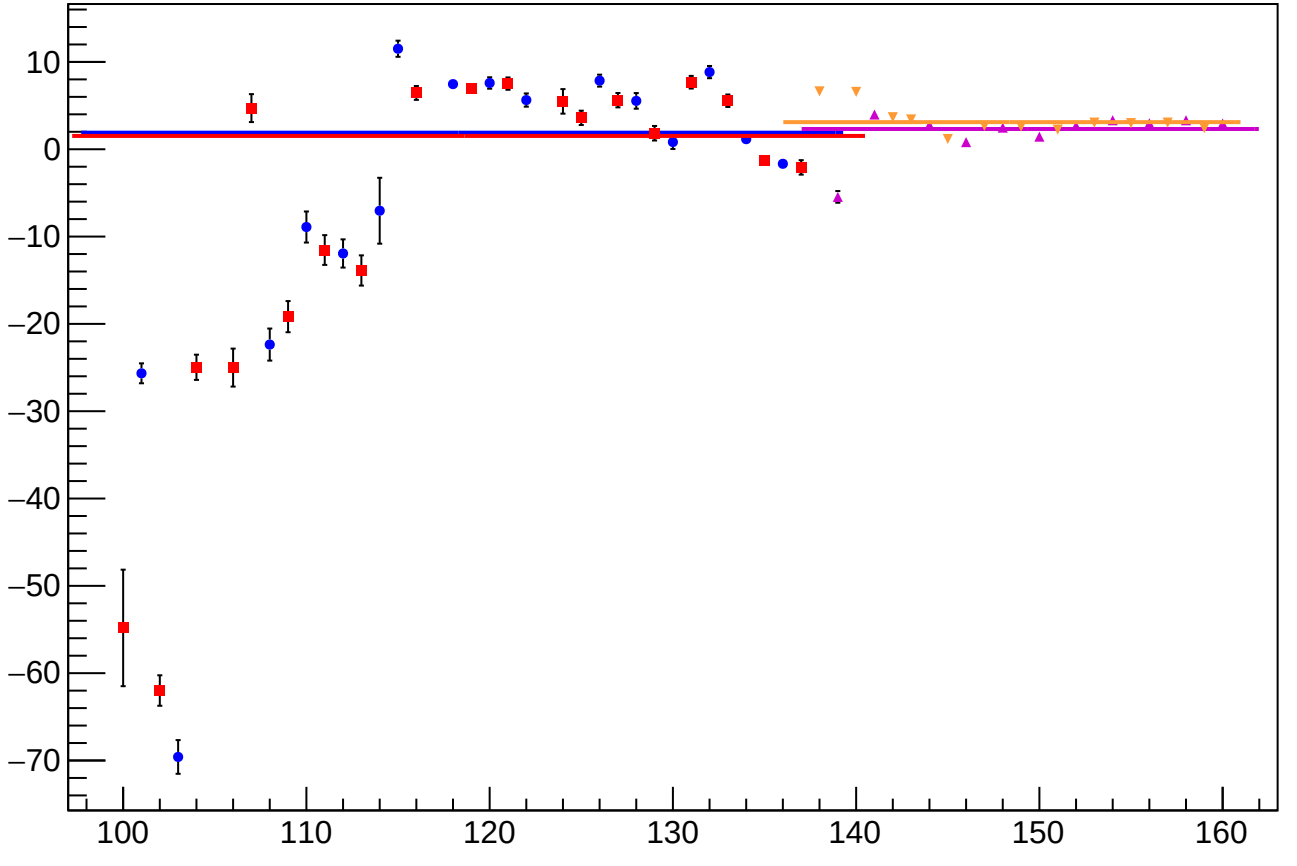
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -6.403+/-0.086 χ^2/NDF:1126.5/26

Out: -7.778+/-0.088 χ^2/NDF:2281.5/30

All: -7.077+/-0.062 χ^2/NDF: 3532.1/57

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: 2.321+/-0.065 χ^2/NDF:379.9/10

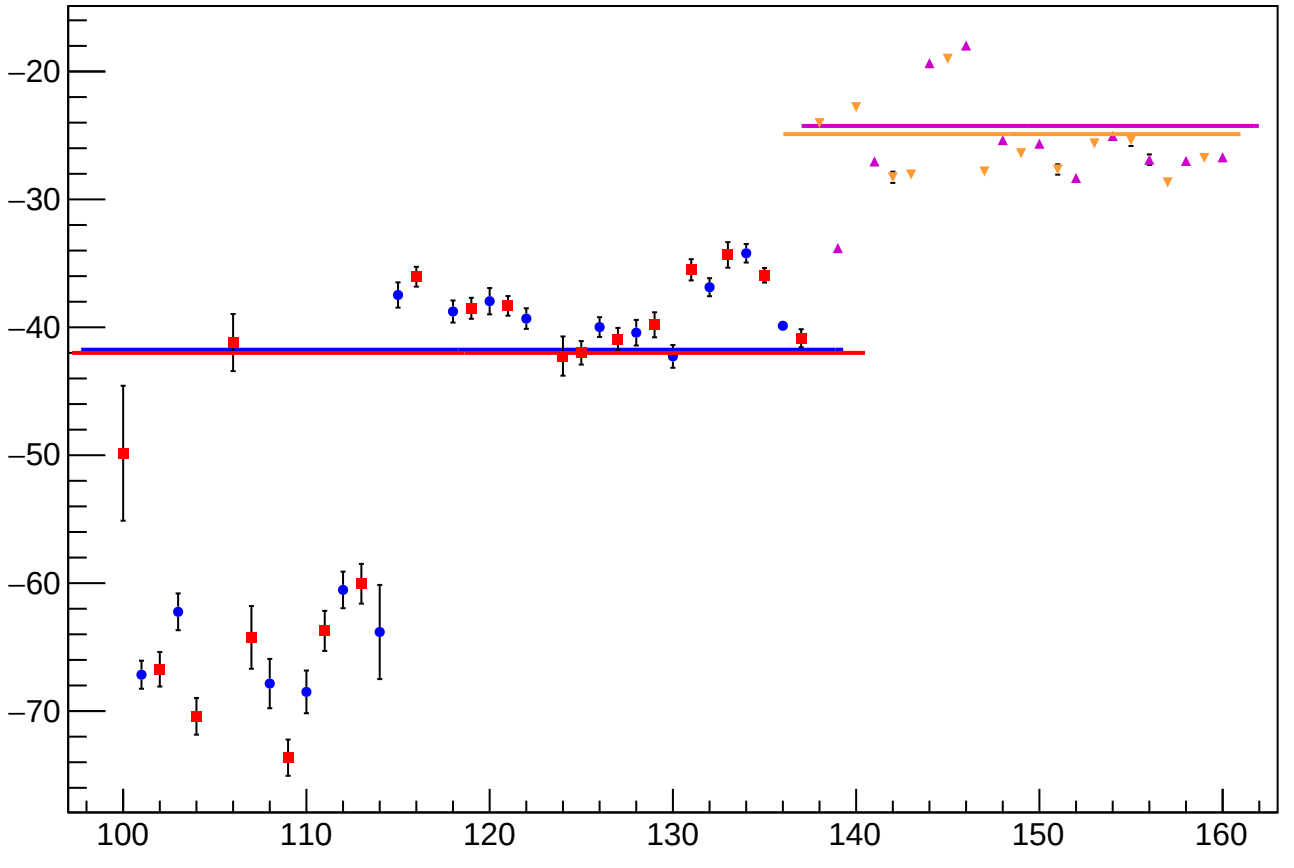
Left: 2.696+/-0.047 χ^2/NDF: 965.9/22

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.277+/-0.061 χ^2/NDF:3222.6/26

Out: 2.953+/-0.065 χ^2/NDF:3128.3/30

All: 2.598+/-0.045 χ^2/NDF: 6408.5/57



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: -24.257+/-0.094 χ^2/NDF:2259.8/10

Left: -24.569+/-0.067 χ^2/NDF: 3491.9/22

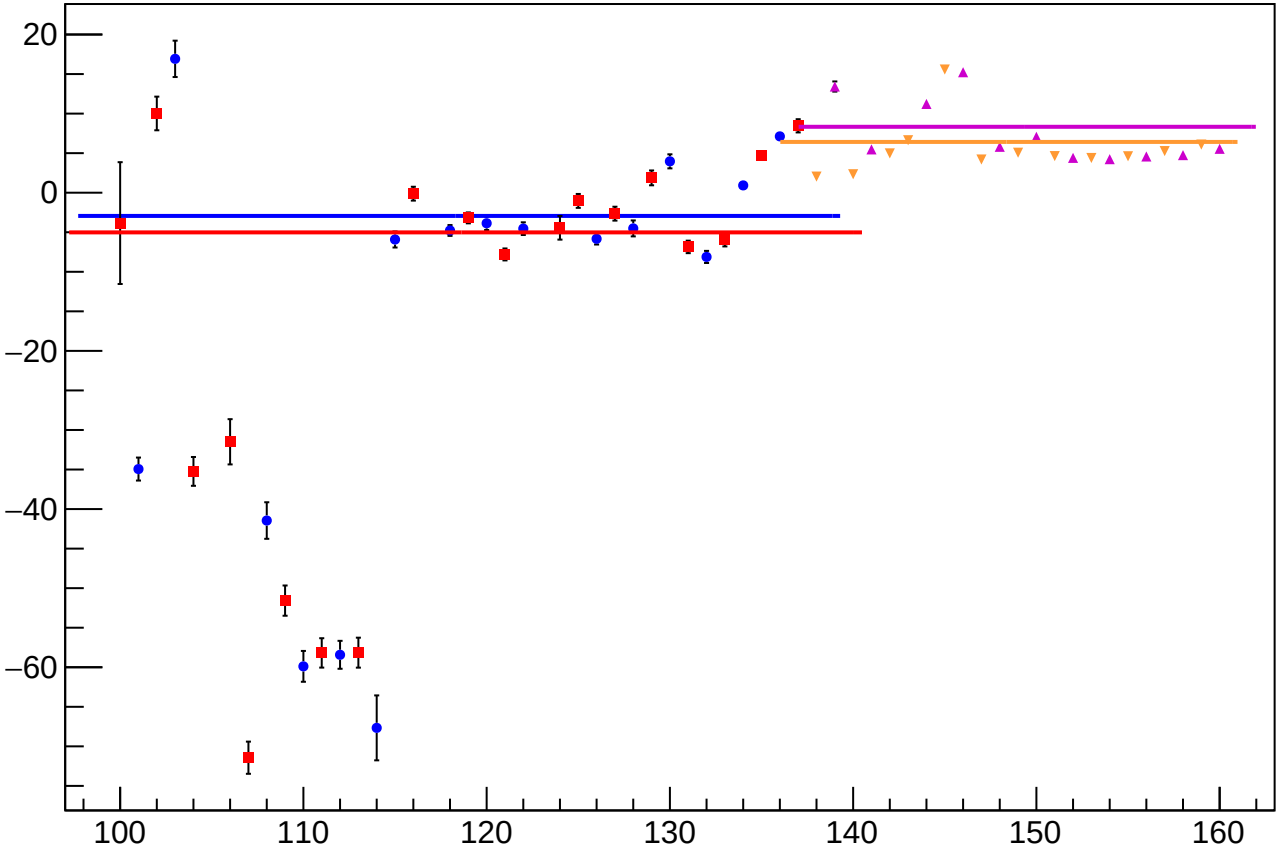
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.247+/-0.086 χ^2/NDF:9779.6/26

Out: -27.495+/-0.089 χ^2/NDF:7955.4/30

All: -27.367+/-0.062 χ^2/NDF: 17739.0/57

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: 8.333+/-0.077 χ^2/NDF:2889.3/10

Left: 7.423+/-0.056 χ^2/NDF: 5829.2/22

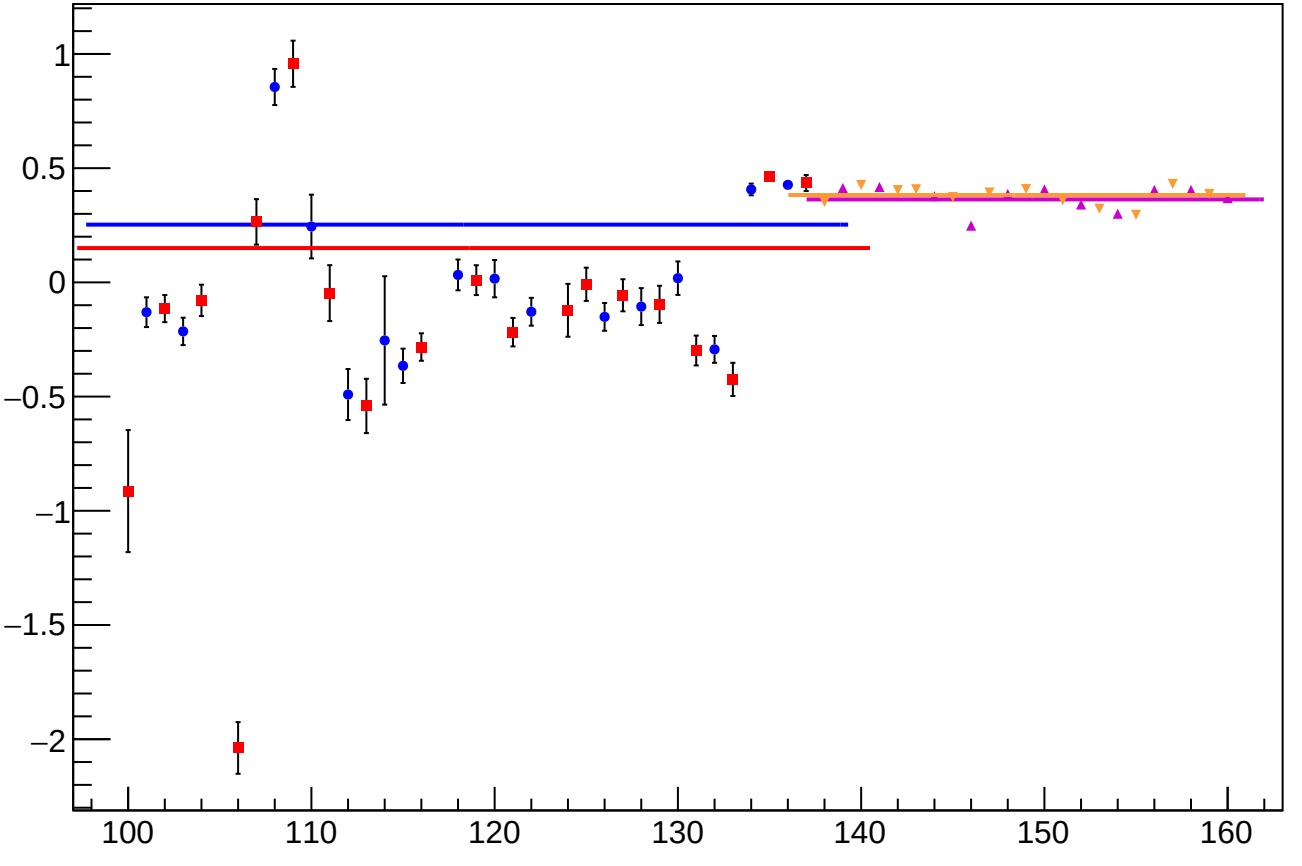
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.987+/-0.072 χ^2/NDF:9158.9/26

Out: 5.174+/-0.077 χ^2/NDF:9194.6/30

All: 6.129+/-0.053 χ^2/NDF: 18649.4/57

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.382+/-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:239.5/10

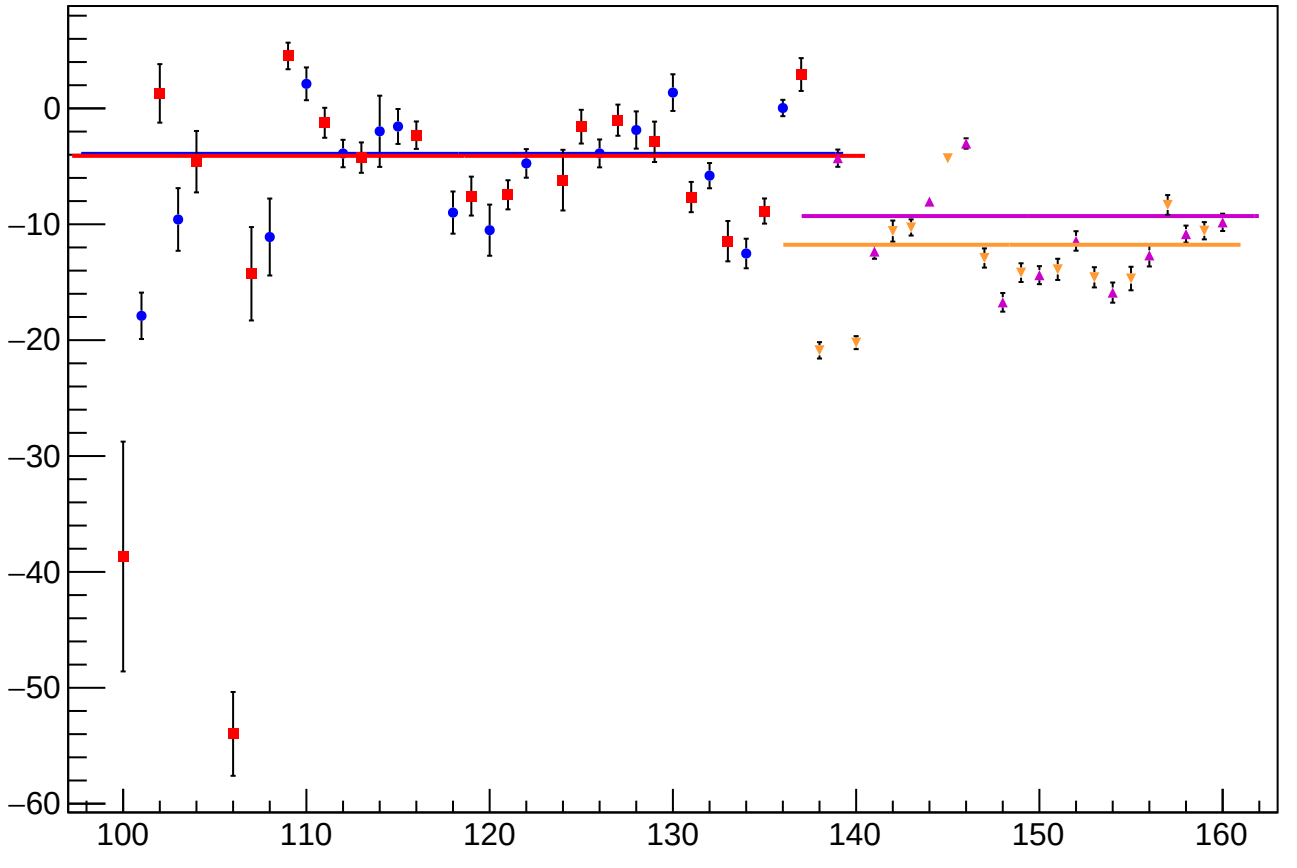
Left: 0.373+/-0.003 χ^2/NDF: 352.3/22

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.353+/-0.003 χ^2/NDF:954.5/26

Out: 0.365+/-0.004 χ^2/NDF:1397.3/30

All: 0.359+/-0.003 χ^2/NDF: 2357.8/57



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: -9.292+/-0.198 χ^2/NDF:483.0/10

Left: -10.509+/-0.141 χ^2/NDF: 1371.7/22

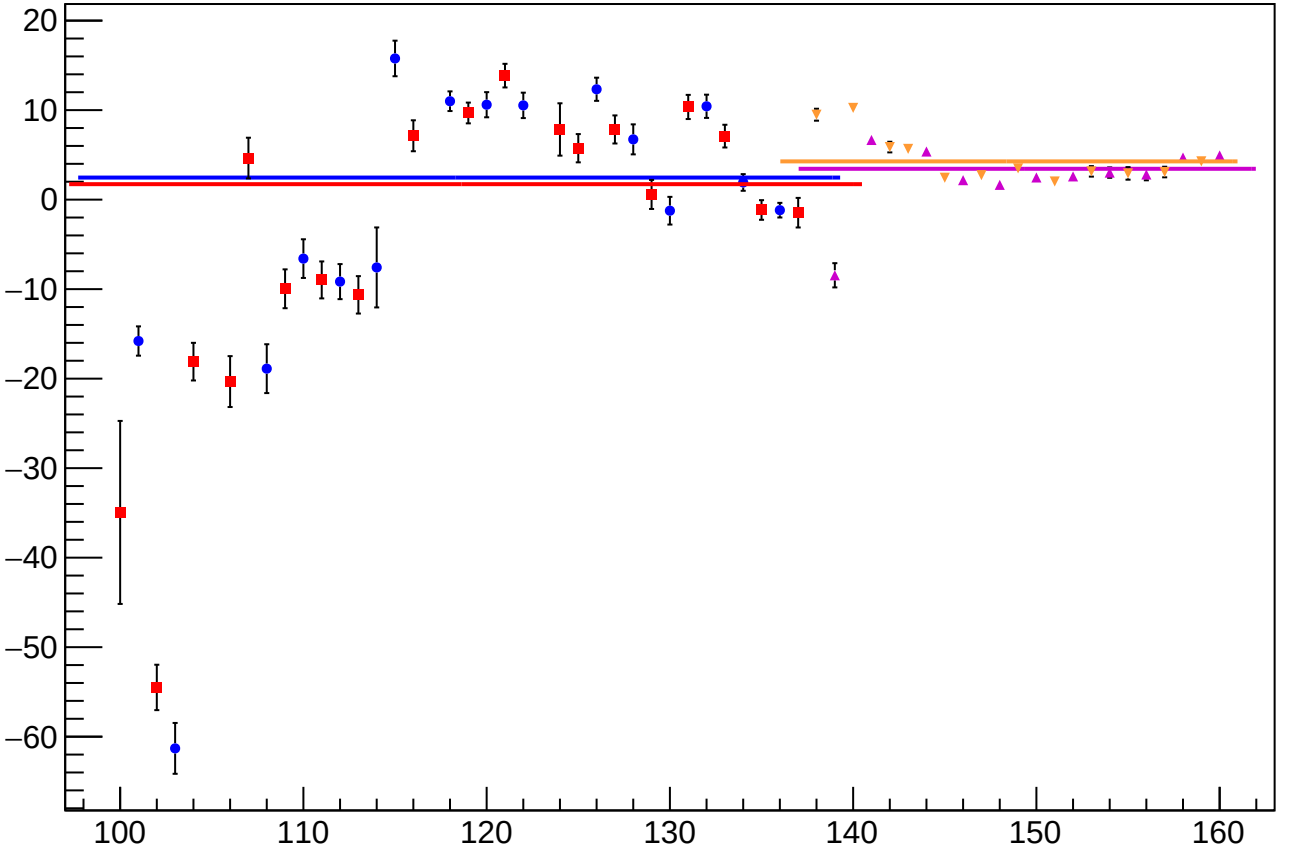
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.964+/-0.172 χ^2/NDF:853.0/26

Out: -9.909+/-0.176 χ^2/NDF:1529.2/30

All: -8.917+/-0.123 χ^2/NDF: 2444.7/57

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: 3.445+/-0.132 χ^2/NDF:233.0/10

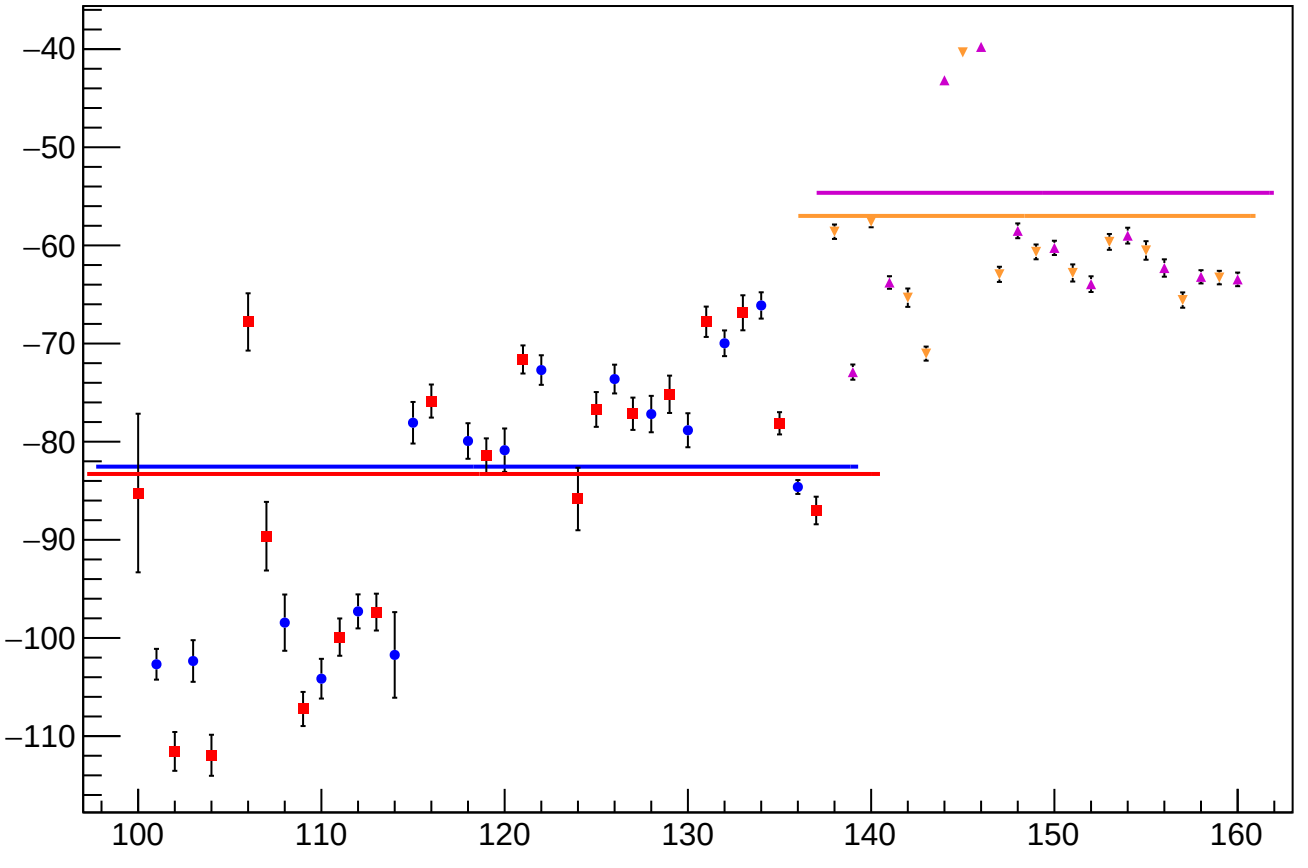
Left: 3.832+/-0.097 χ^2/NDF: 578.0/22

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

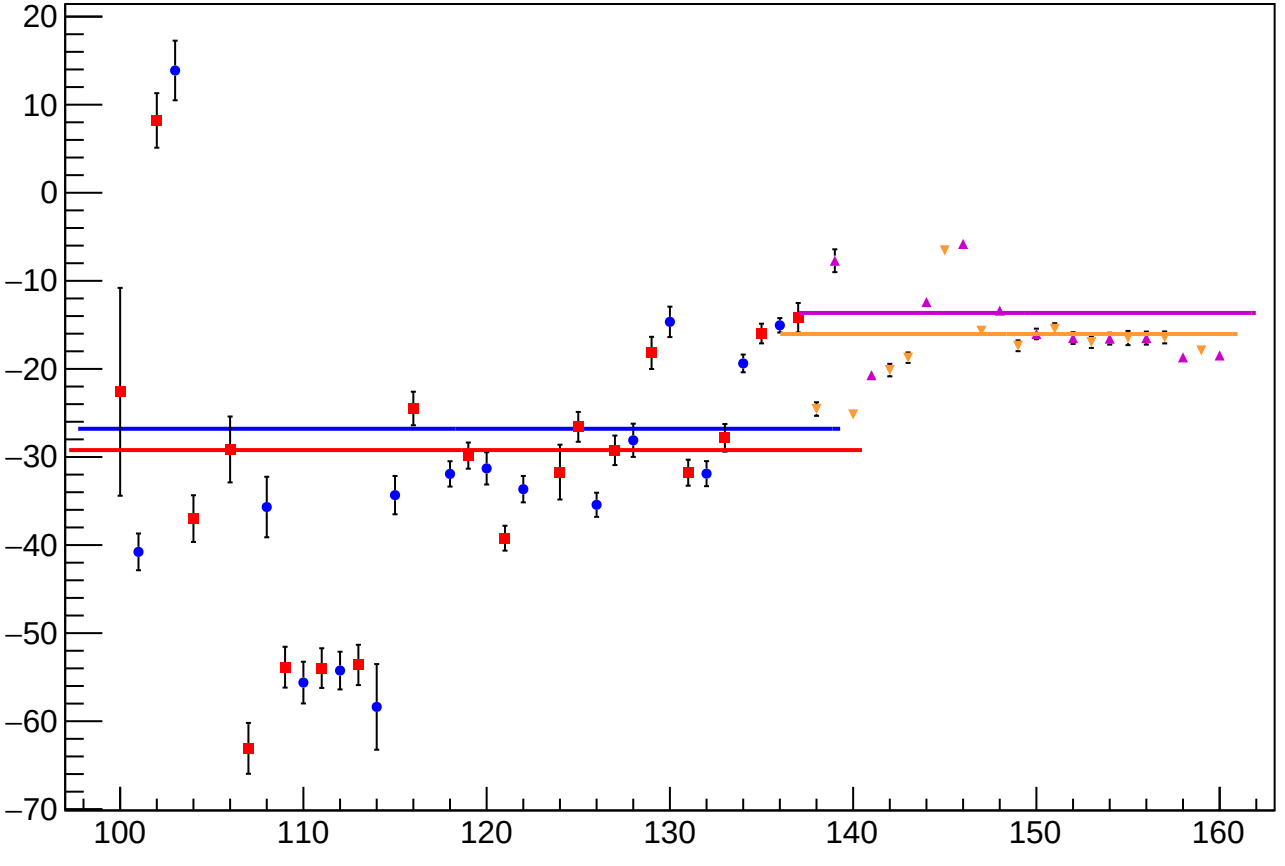
In: 3.326+/-0.124 χ^2/NDF:1286.3/26

Out: 3.972+/-0.133 χ^2/NDF:1348.2/30

All: 3.627+/-0.091 χ^2/NDF: 2647.1/57


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: -54.641+/-0.193 χ²/NDF:3262.0/10
Left: -55.779+/-0.139 χ²/NDF: 5838.2/22
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -60.262+/-0.172 χ²/NDF:8309.6/26
Out: -61.945+/-0.180 χ²/NDF:6867.6/30
All: -61.069+/-0.124 χ²/NDF: 15222.8/57

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: -13.643+/-0.158 χ^2/NDF:1002.0/10

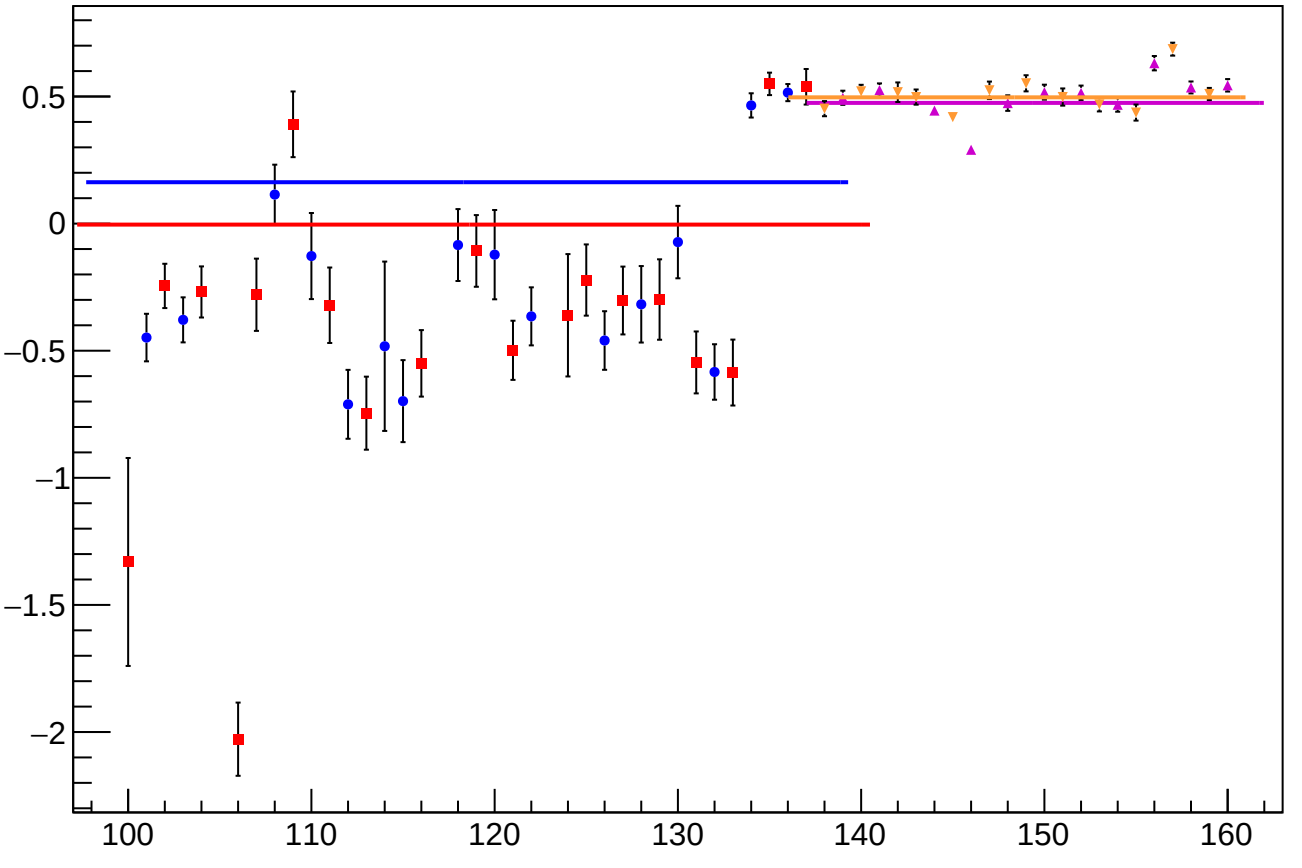
Left: -14.767+/-0.115 χ^2/NDF: 2243.6/22

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.451+/-0.147 χ^2/NDF:2919.0/26

Out: -17.778+/-0.157 χ^2/NDF:2905.1/30

All: -16.539+/-0.107 χ^2/NDF: 5941.7/57



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: 0.475+/-0.008 χ^2/NDF:152.9/10

Left: 0.485+/-0.005 χ^2/NDF: 247.5/22

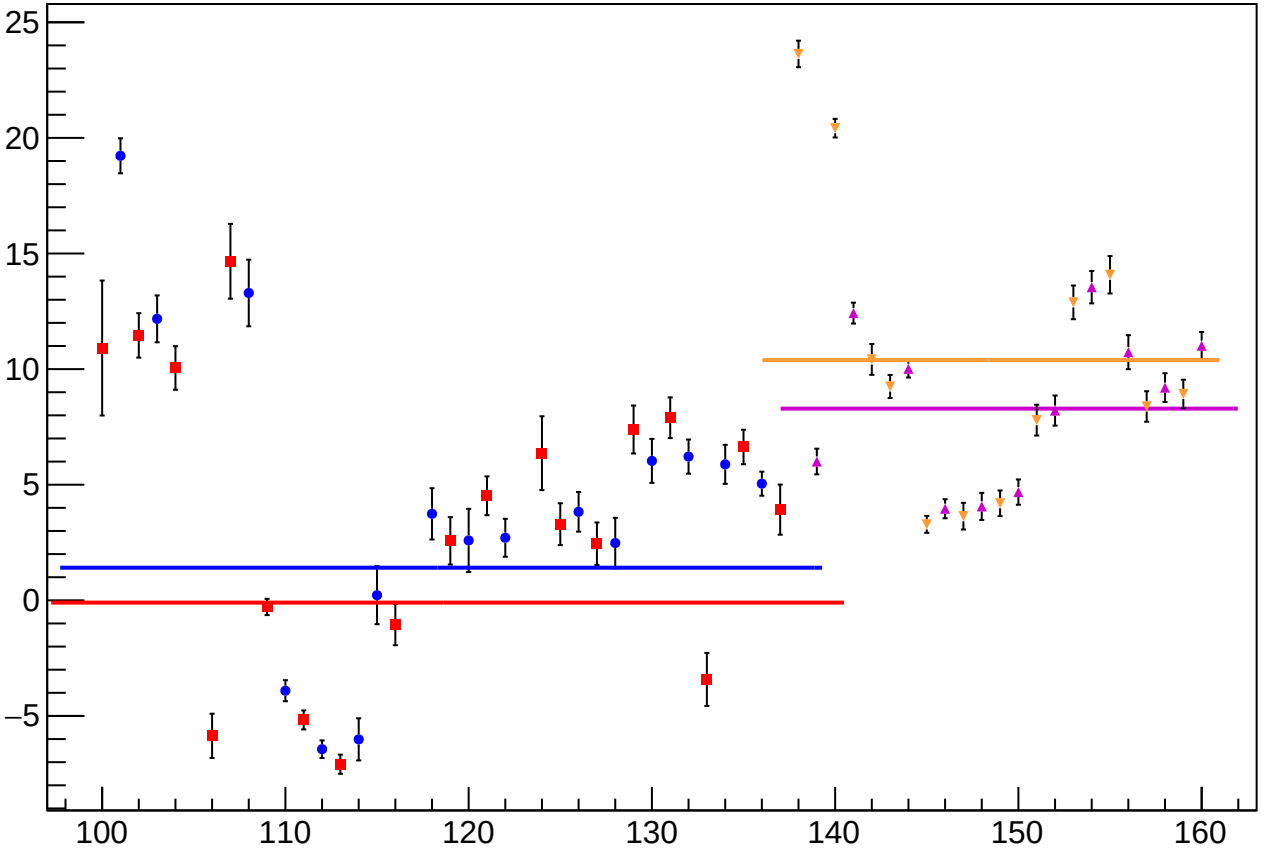
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.441+/-0.007 χ^2/NDF:764.7/26

Out: 0.451+/-0.007 χ^2/NDF:1045.8/30

All: 0.445+/-0.005 χ^2/NDF: 1811.5/57

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: 8.291+/-0.160 χ^2/NDF:418.4/10

Left: 9.351+/-0.113 χ^2/NDF: 2366.2/22

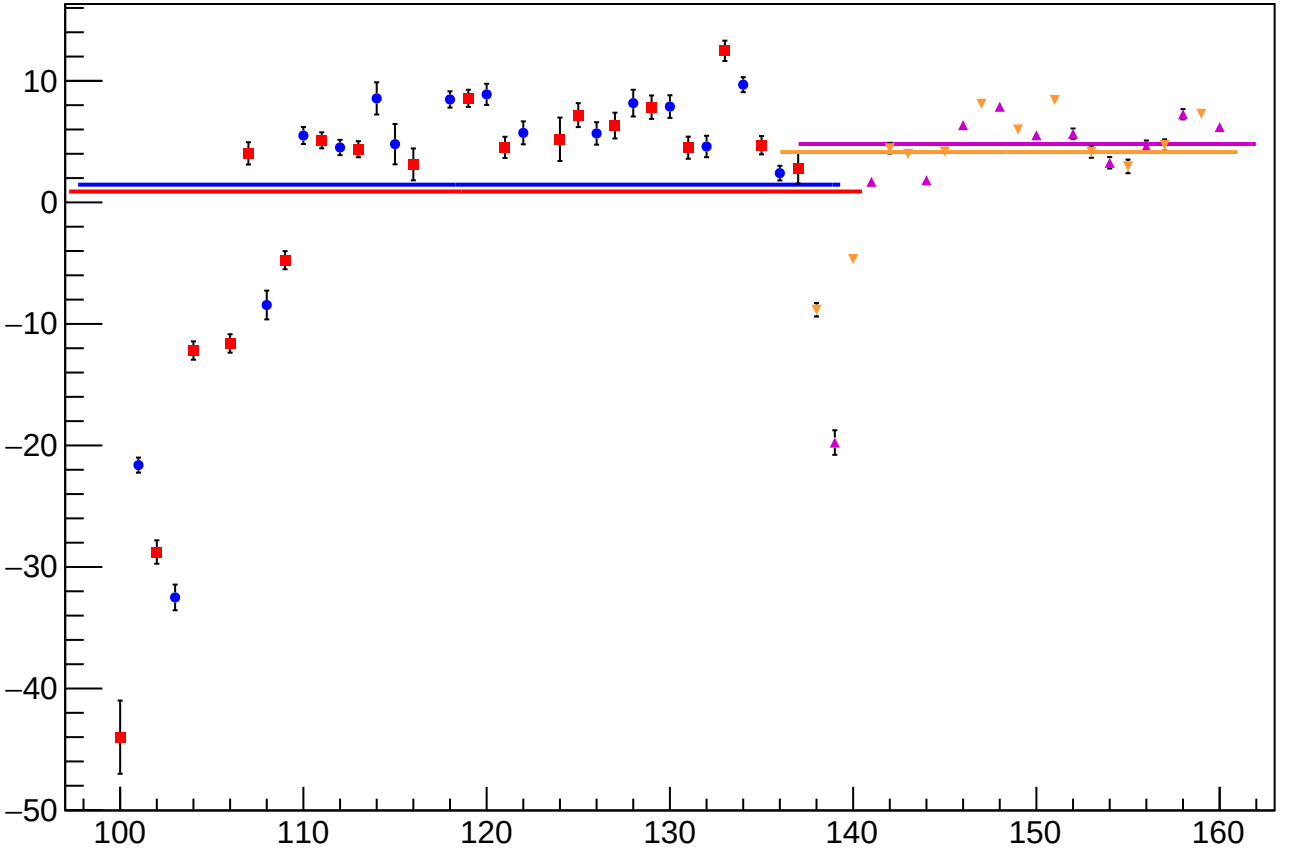
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 5.310+/-0.121 χ^2/NDF:2740.4/26

Out: 5.432+/-0.115 χ^2/NDF:5078.2/30

All: 5.374+/-0.083 χ^2/NDF: 7819.1/57

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 4.142+/-0.109 χ^2/NDF:1704.2/11

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.806+/-0.107 χ^2/NDF:1023.6/10

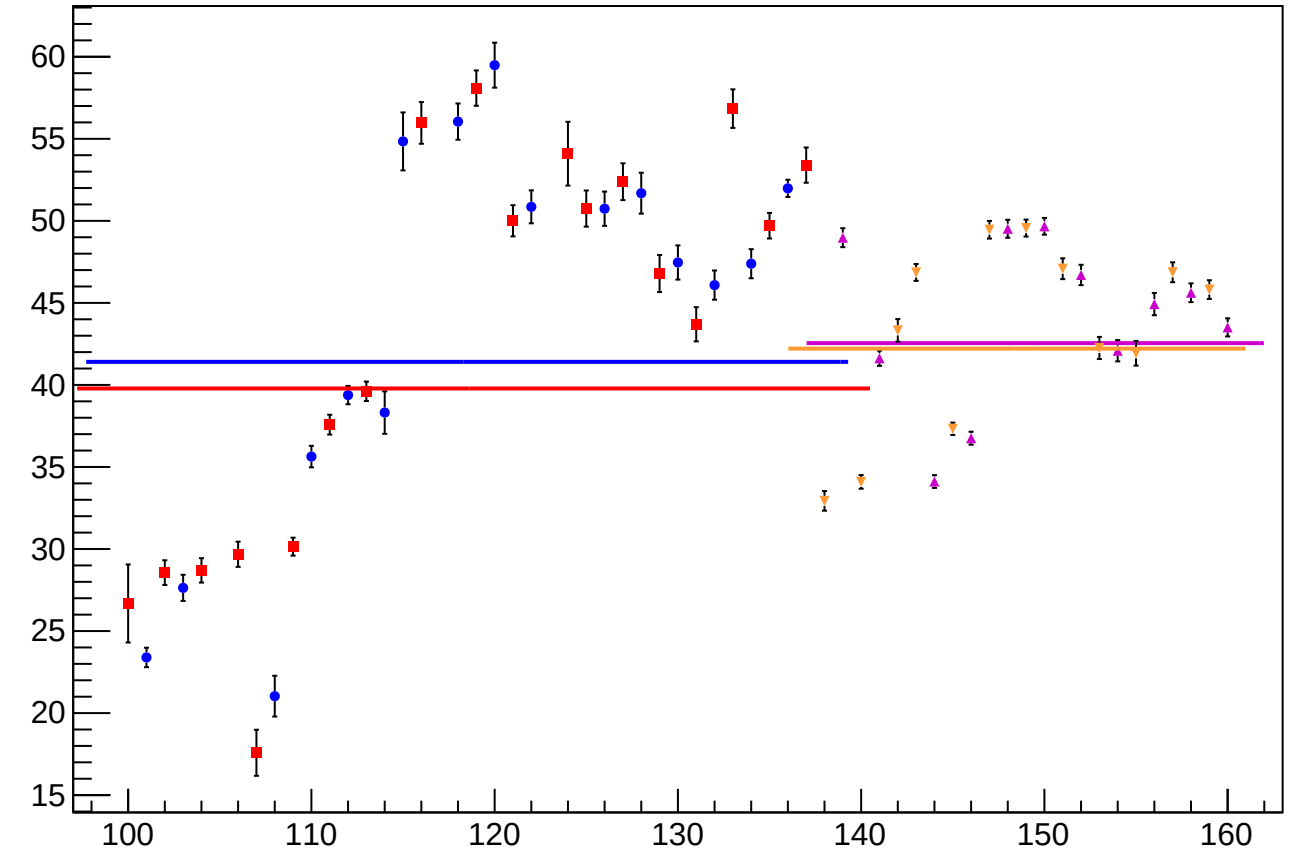
Left: 4.480+/-0.077 χ^2/NDF: 2746.6/22

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 4.077+/-0.095 χ^2/NDF:4315.6/26

Out: 3.408+/-0.096 χ^2/NDF:4281.0/30

All: 3.747+/-0.068 χ^2/NDF: 8621.1/57



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: 42.549+/-0.156 χ^2/NDF:1259.0/10

Left: 42.382+/-0.110 χ^2/NDF: 2681.0/22

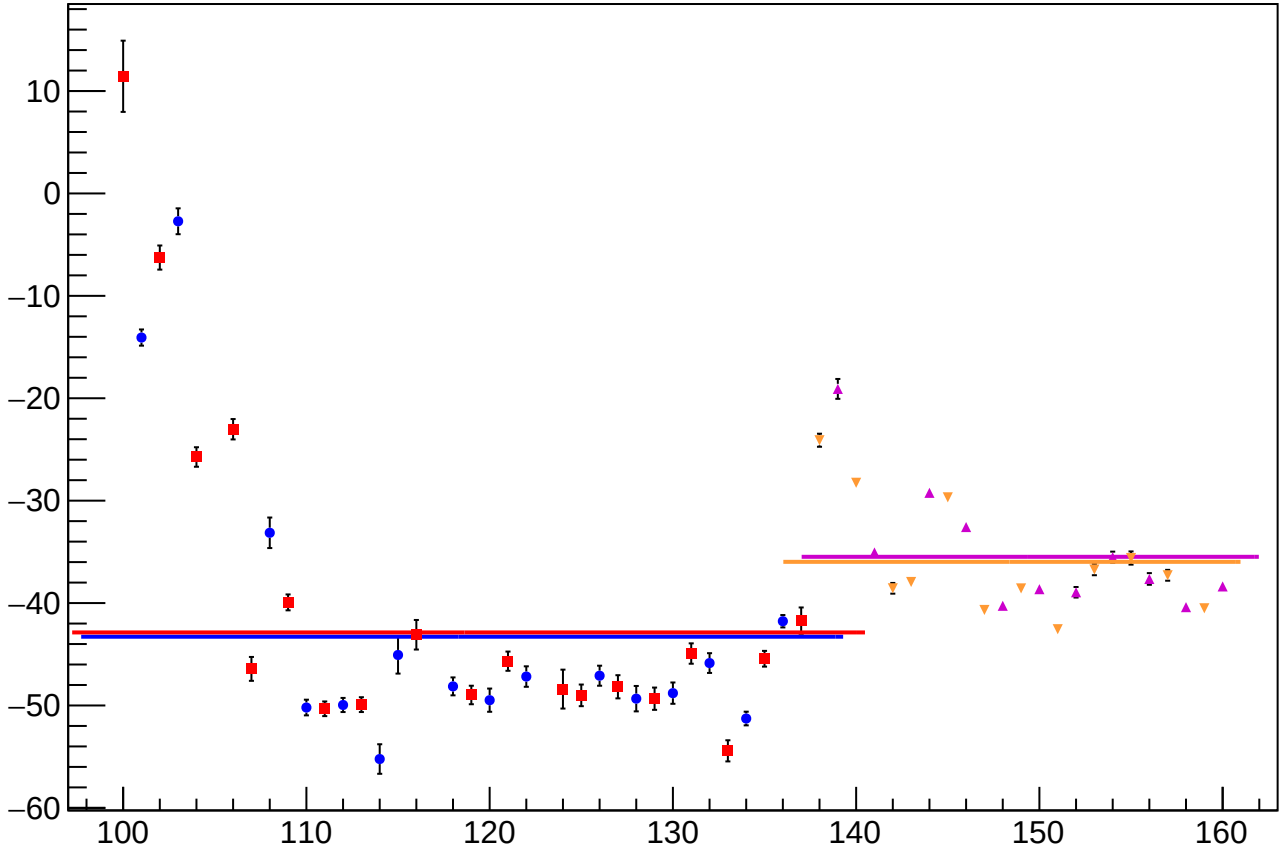
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.146+/-0.125 χ^2/NDF:4024.1/26

Out: 41.311+/-0.124 χ^2/NDF:4163.6/30

All: 41.723+/-0.088 χ^2/NDF: 8210.2/57

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: -35.482+/-0.128 χ^2/NDF:1184.2/10

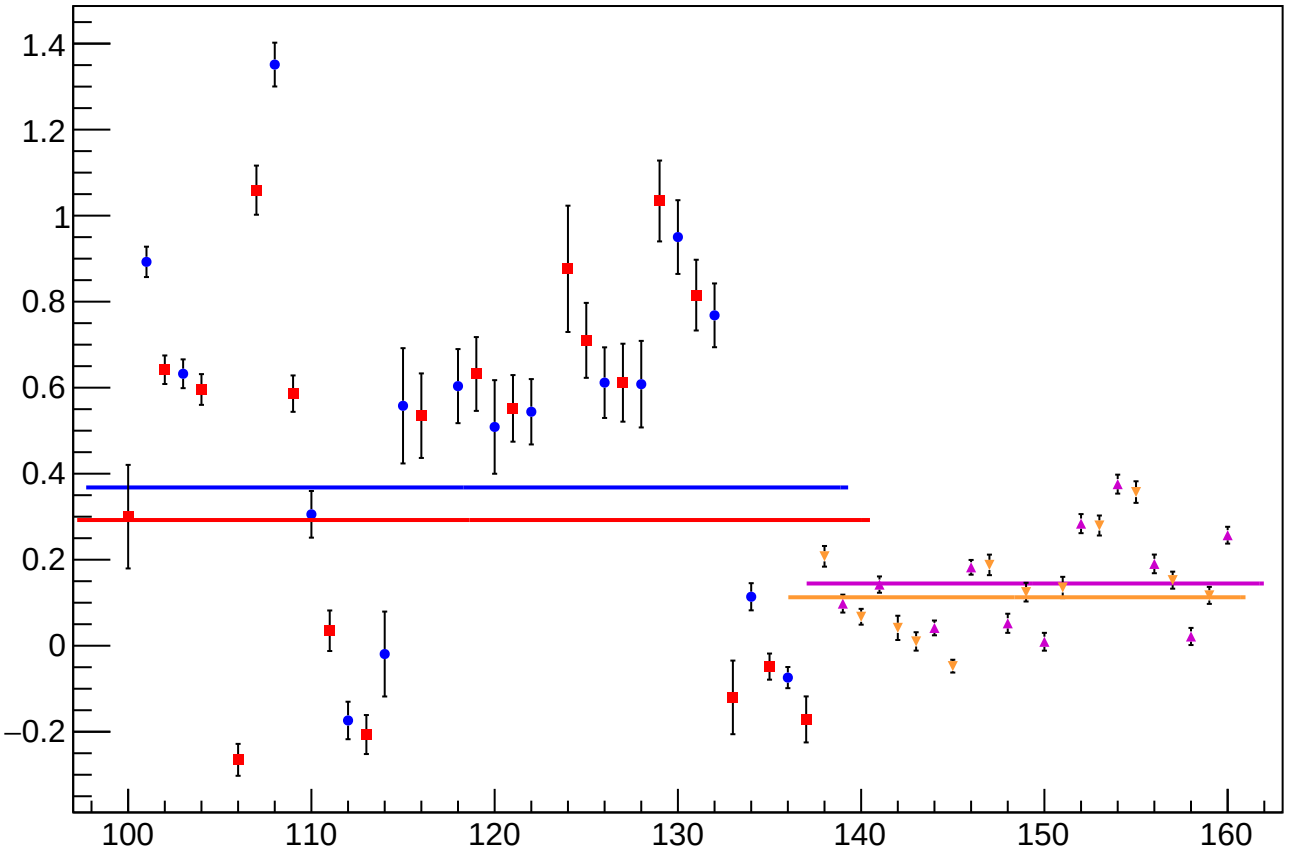
Left: -35.723+/-0.091 χ^2/NDF: 2808.9/22

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.335+/-0.112 χ^2/NDF:5052.3/26

Out: -37.670+/-0.114 χ^2/NDF:4754.6/30

All: -37.500+/-0.080 χ^2/NDF: 9811.2/57



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: 0.145+/-0.006 χ^2/NDF:330.9/10

Left: 0.129+/-0.004 χ^2/NDF: 673.1/22

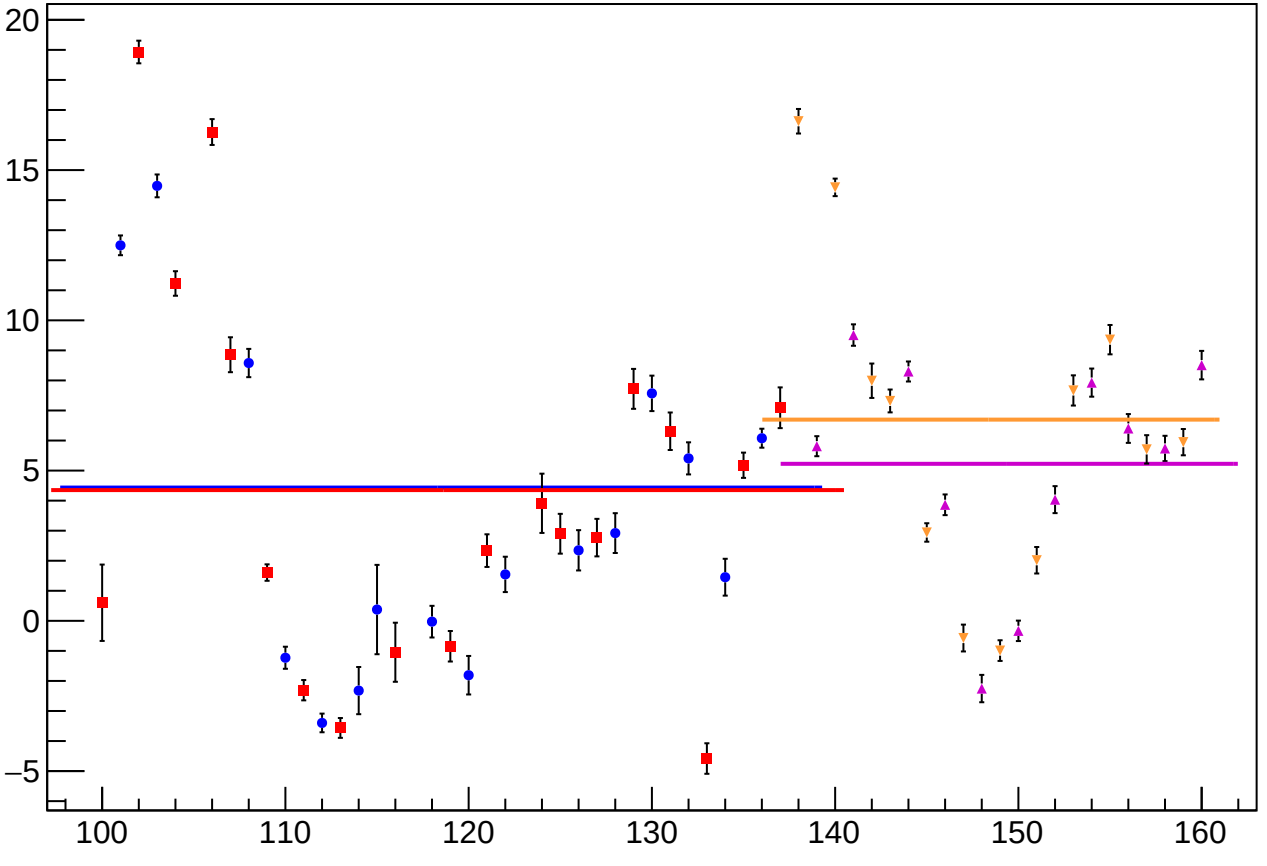
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.188+/-0.005 χ^2/NDF:1921.2/26

Out: 0.149+/-0.005 χ^2/NDF:1702.9/30

All: 0.169+/-0.004 χ^2/NDF: 3650.2/57

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.696+/-0.116 χ^2/NDF:2367.8/11

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 5.225+/-0.118 χ^2/NDF:880.7/10

Left: 5.976+/-0.083 χ^2/NDF: 3327.7/22

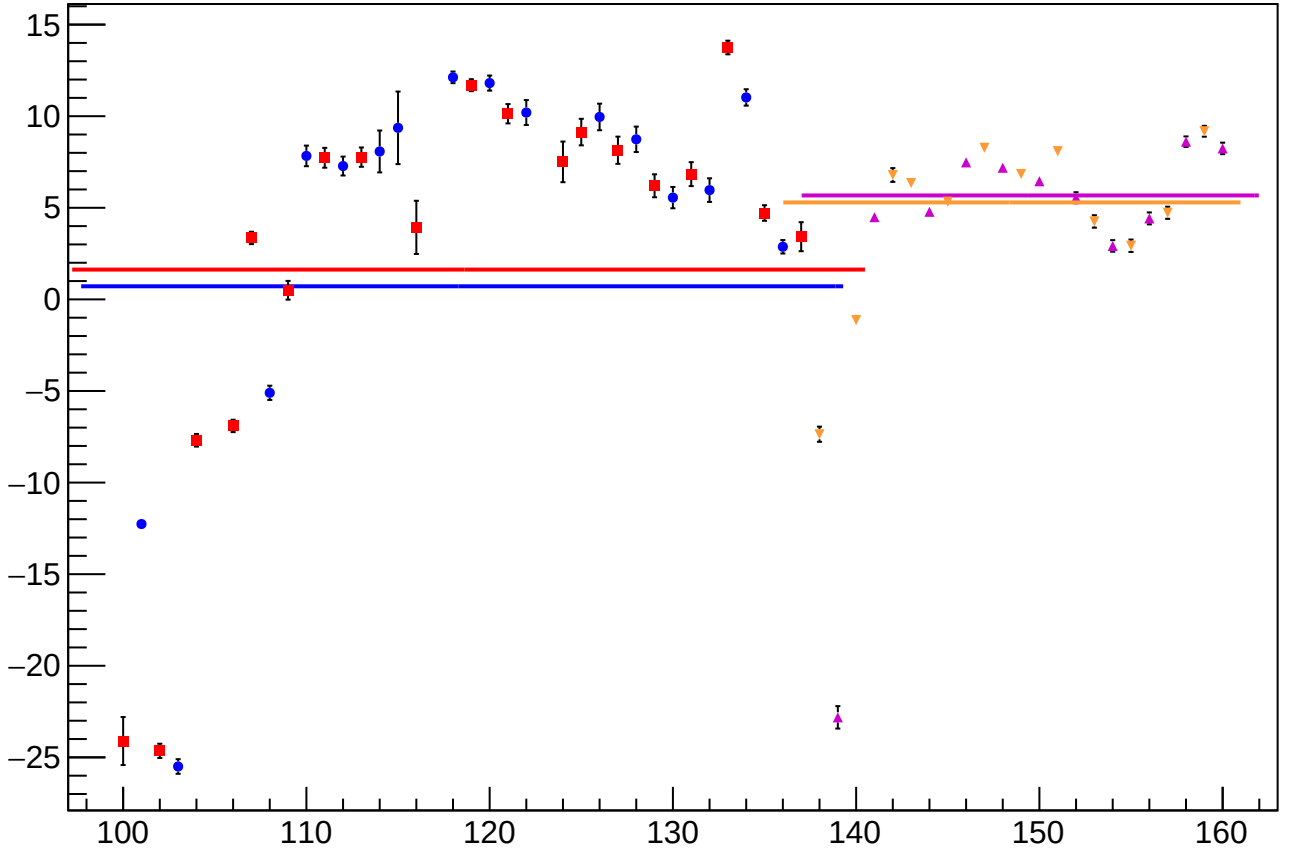
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.826+/-0.083 χ^2/NDF:3525.3/26

Out: 5.455+/-0.079 χ^2/NDF:6790.7/30

All: 5.155+/-0.057 χ^2/NDF: 10346.0/57

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: 5.674+/-0.082 χ^2/NDF:2597.2/10

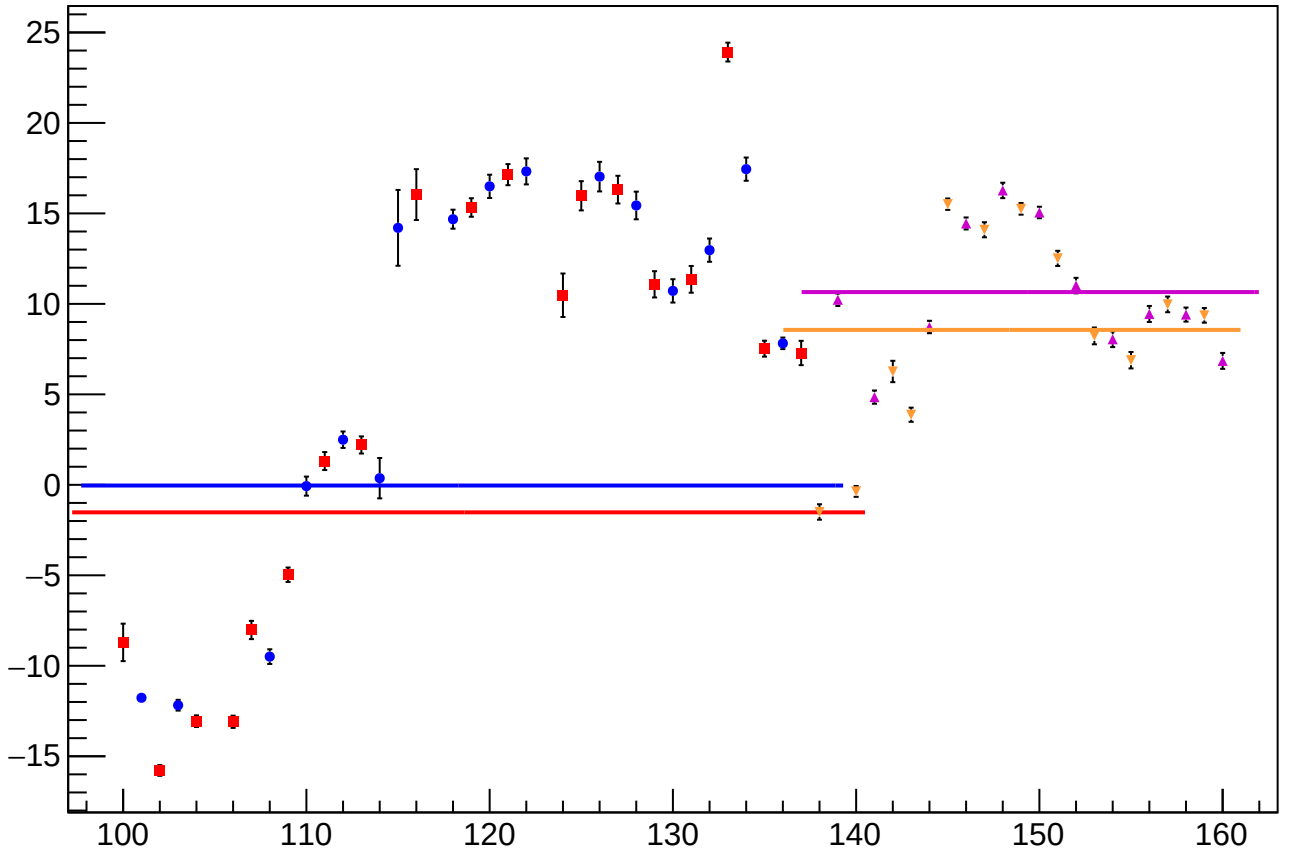
Left: 5.479+/-0.057 χ^2/NDF: 4877.8/22

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 4.020+/-0.067 χ^2/NDF:14271.1/26

Out: 4.038+/-0.065 χ^2/NDF:12242.2/30

All: 4.030+/-0.047 χ^2/NDF: 26513.3/57



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: 10.652+/-0.114 χ^2/NDF:909.9/10

Left: 9.596+/-0.080 χ^2/NDF: 3892.5/22

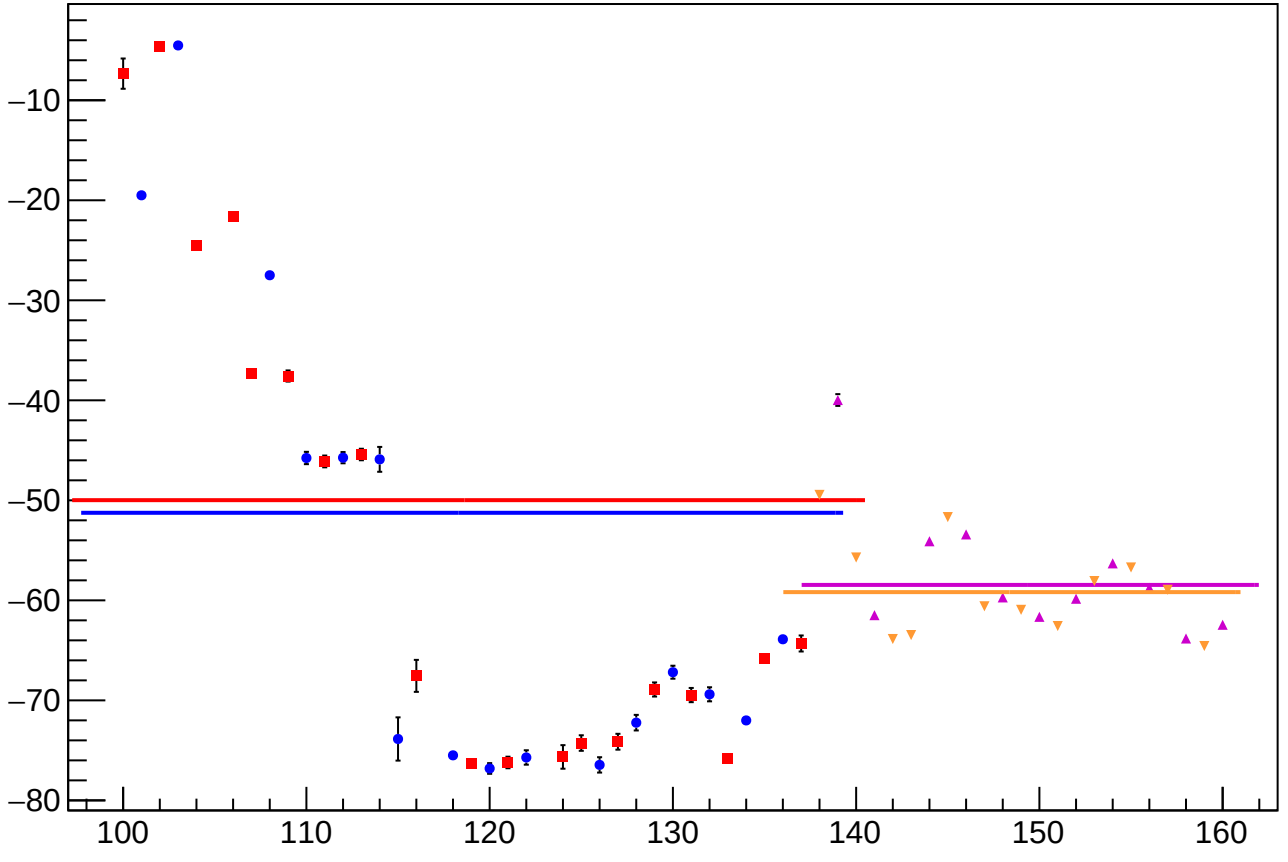
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.535+/-0.083 χ^2/NDF:14365.9/26

Out: 3.606+/-0.081 χ^2/NDF:18847.1/30

All: 4.548+/-0.058 χ^2/NDF: 33492.2/57

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: -58.457+/-0.096 χ^2/NDF:2355.7/10

Left: -58.821+/-0.068 χ^2/NDF: 4427.3/22

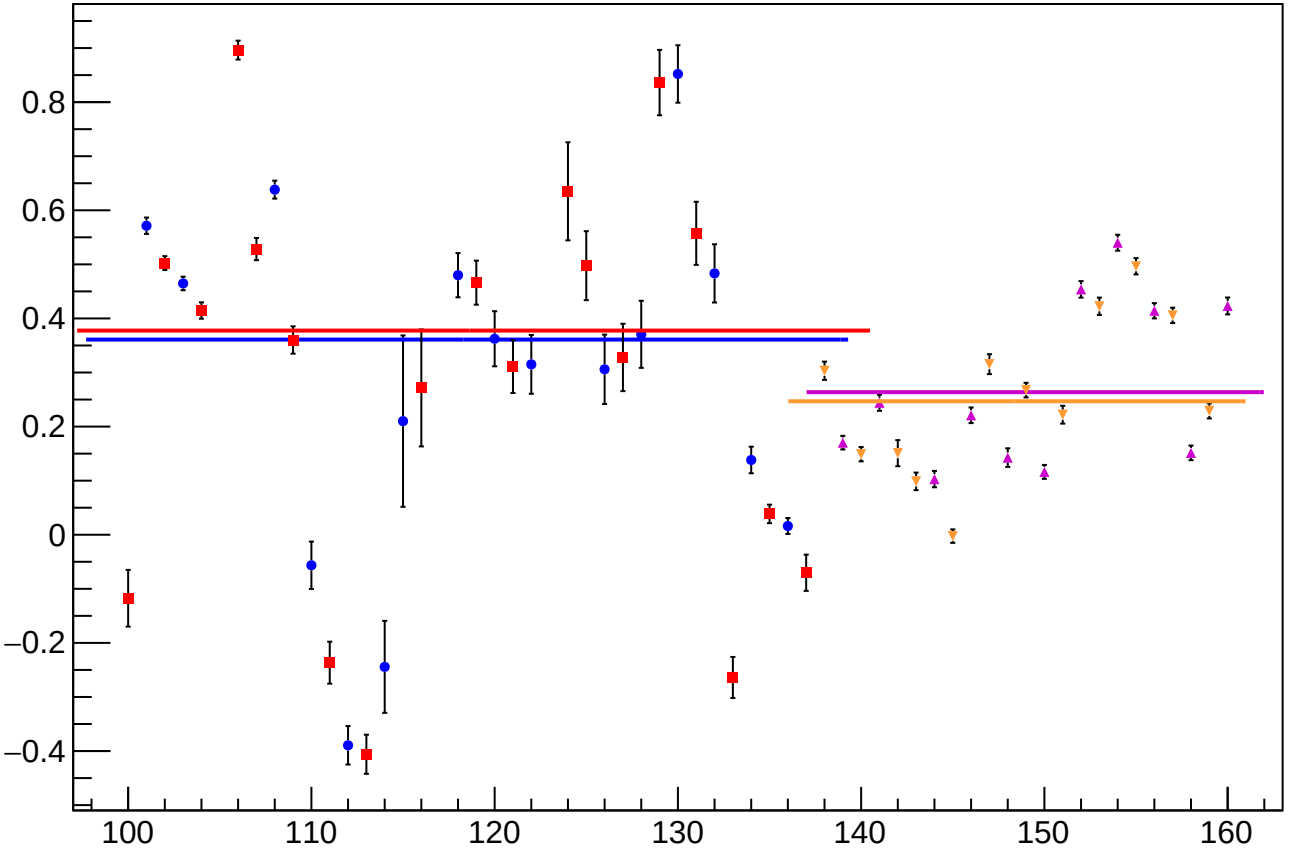
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.040+/-0.079 χ^2/NDF:37996.7/26

Out: -55.978+/-0.077 χ^2/NDF:39163.6/30

All: -56.009+/-0.055 χ^2/NDF: 77160.6/57

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.247+/-0.004 χ^2/NDF:1102.9/11

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.264+/-0.004 χ^2/NDF:1152.7/10

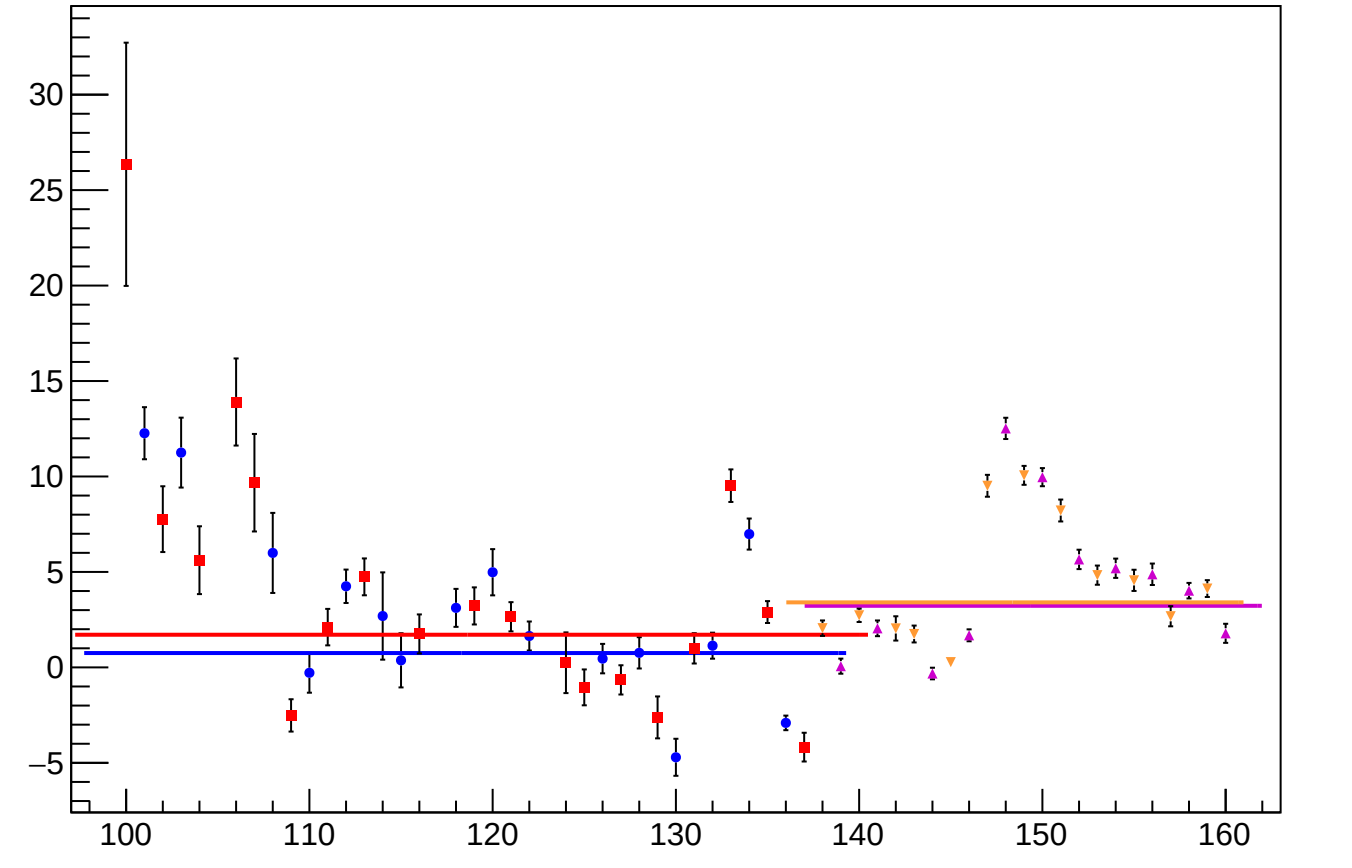
Left: 0.255+/-0.003 χ^2/NDF: 2263.0/22

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

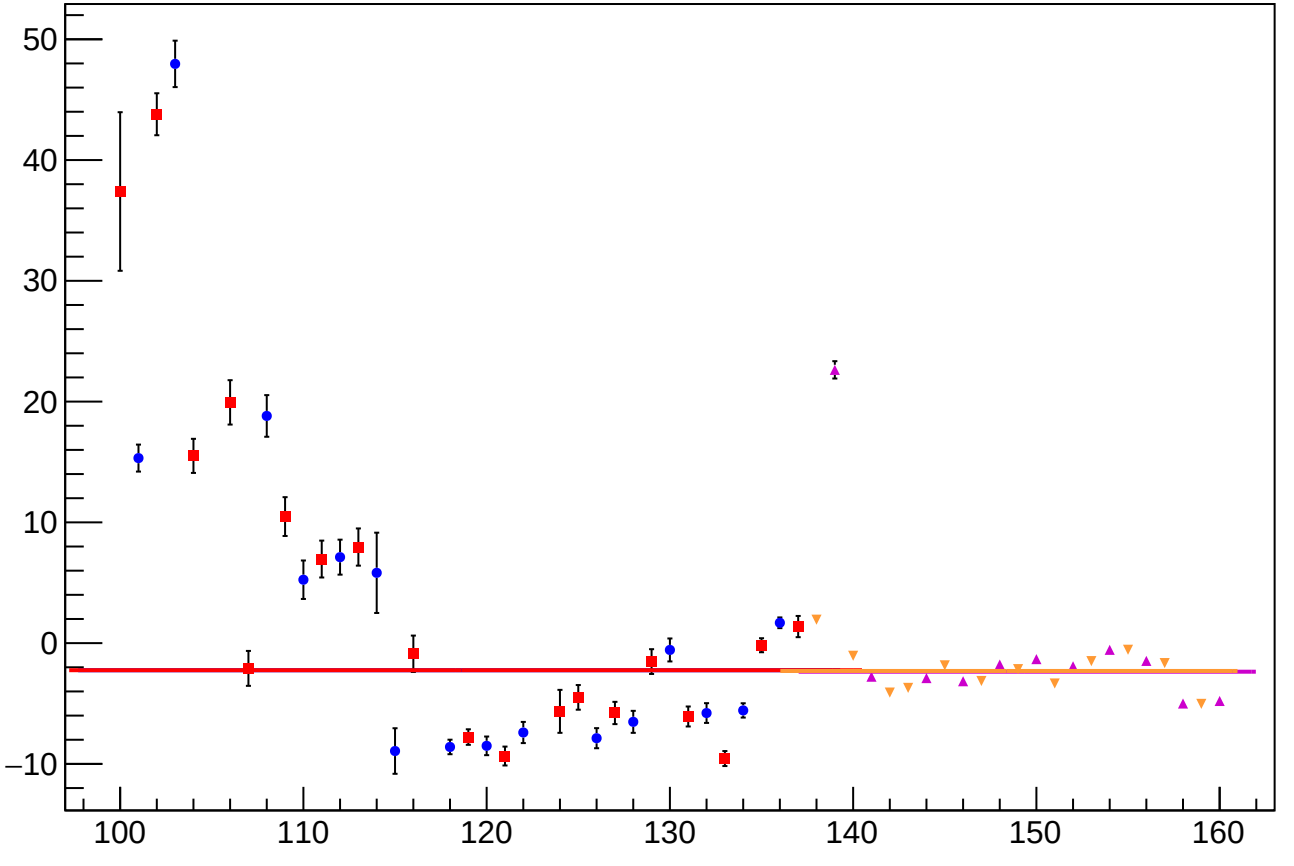
In: 0.295+/-0.004 χ^2/NDF:3171.6/26

Out: 0.291+/-0.004 χ^2/NDF:4194.6/30

All: 0.293+/-0.003 χ^2/NDF: 7366.7/57


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.752+/-0.212 χ²/NDF: 330.1/15
Left Out: 3.406+/-0.127 χ²/NDF:555.9/11
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: 3.226+/-0.127 χ²/NDF:771.7/10
Left: 3.316+/-0.090 χ²/NDF: 1328.6/22
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 2.575+/-0.109 χ²/NDF:1201.8/26
Out: 2.992+/-0.110 χ²/NDF:893.5/30
All: 2.781+/-0.077 χ²/NDF: 2102.5/57

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: -2.365+/-0.088 χ^2/NDF:1432.9/10

Left: -2.335+/-0.063 χ^2/NDF: 1743.8/22

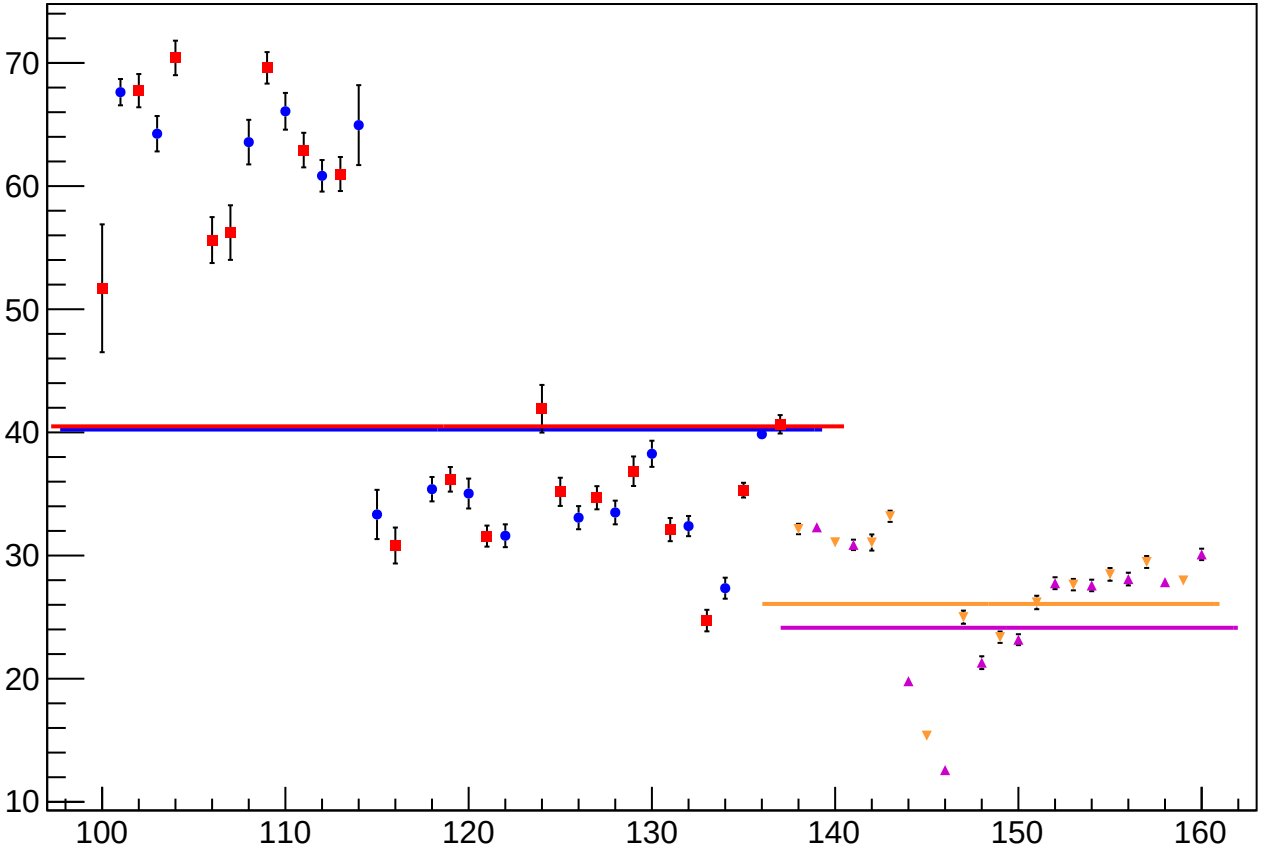
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.348+/-0.081 χ^2/NDF:3005.6/26

Out: -2.295+/-0.084 χ^2/NDF:1866.4/30

All: -2.323+/-0.058 χ^2/NDF: 4872.2/57

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: 24.136+/-0.123 χ^2/NDF:2770.6/10

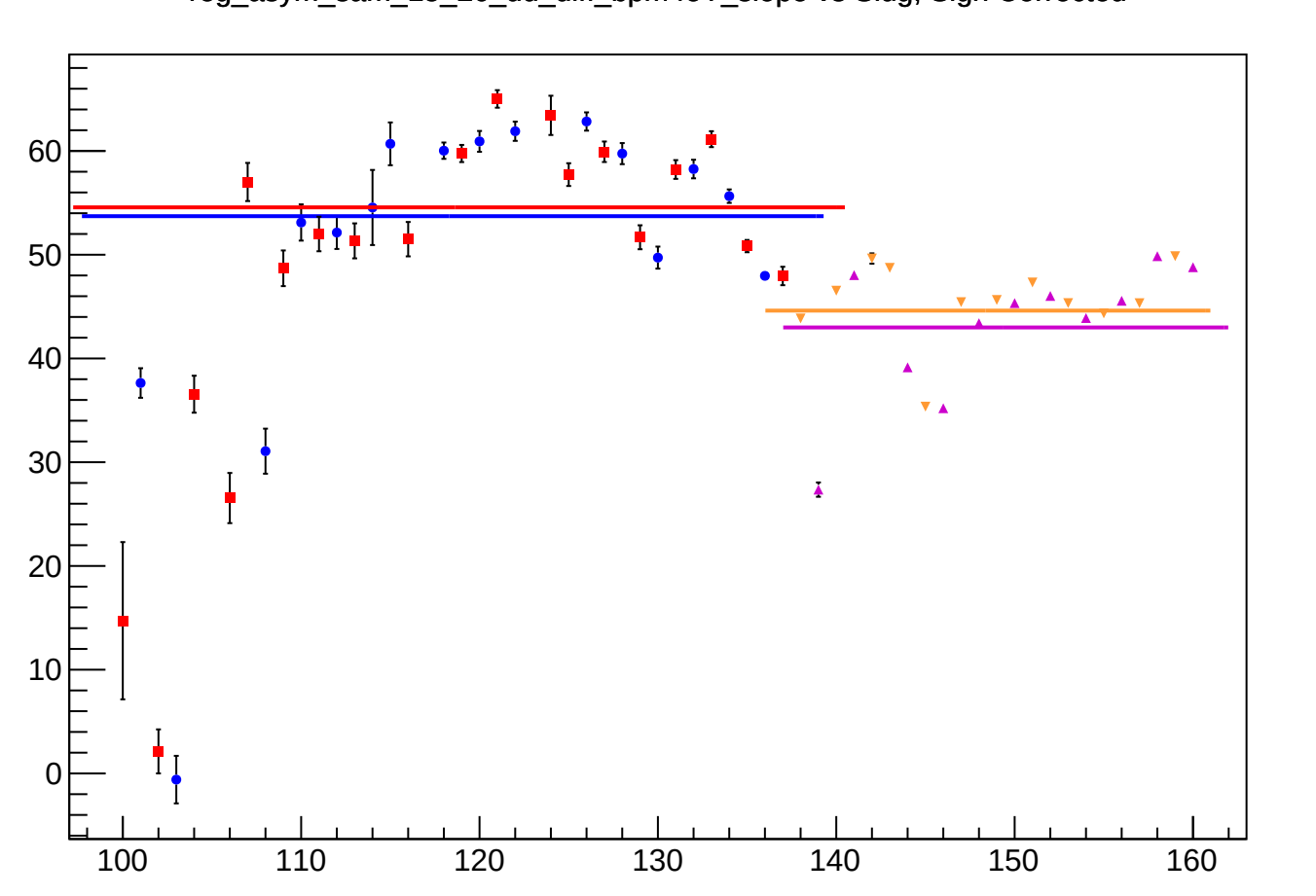
Left: 25.092+/-0.088 χ^2/NDF: 5289.8/22

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.696+/-0.109 χ^2/NDF:8829.1/26

Out: 28.941+/-0.112 χ^2/NDF:7750.5/30

All: 28.302+/-0.078 χ^2/NDF: 16643.3/57



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: 42.989+/-0.103 χ^2/NDF:2961.0/10

Left: 43.777+/-0.074 χ^2/NDF: 5092.3/22

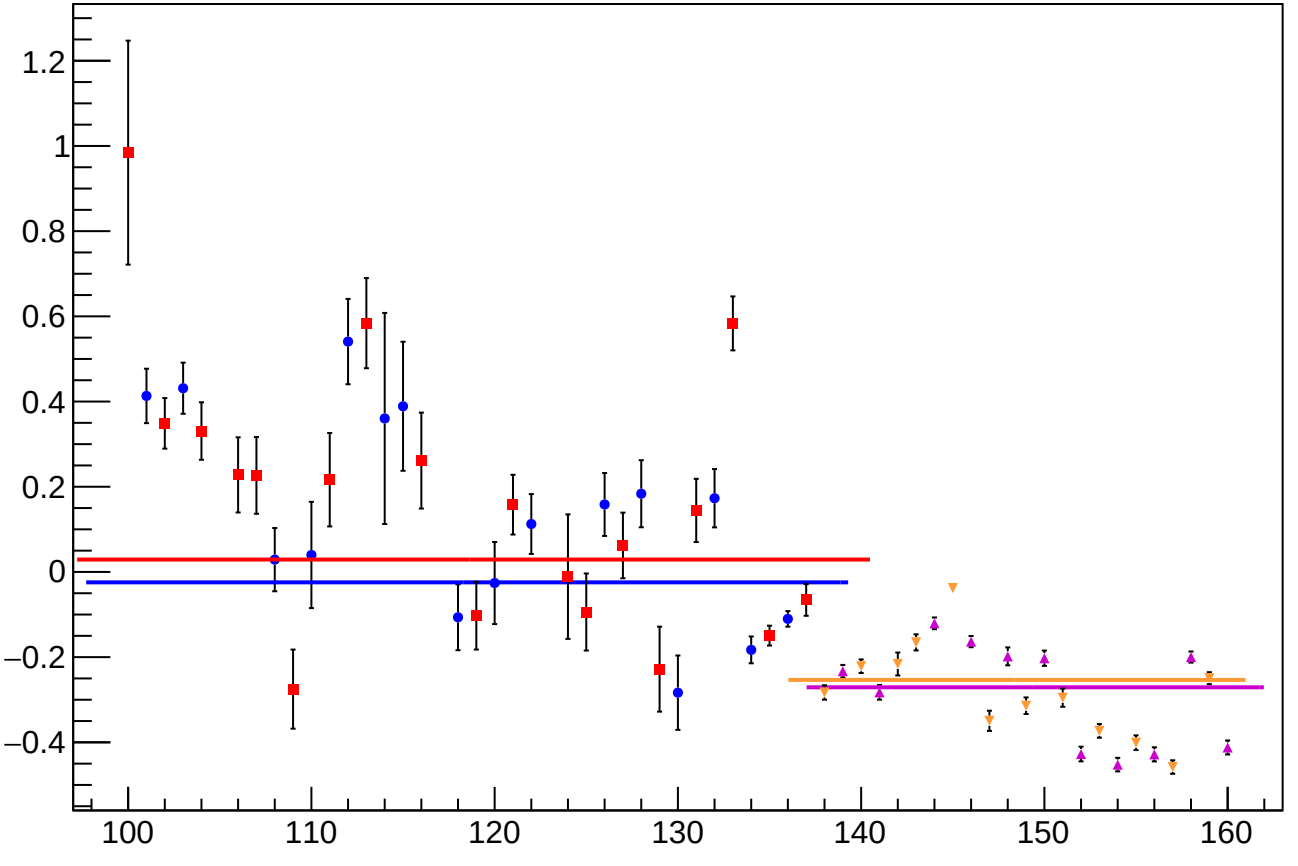
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.665+/-0.094 χ^2/NDF:6023.0/26

Out: 46.068+/-0.098 χ^2/NDF:4642.0/30

All: 45.341+/-0.068 χ^2/NDF: 10771.3/57

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: -0.271+/-0.005 χ^2/NDF:625.2/10

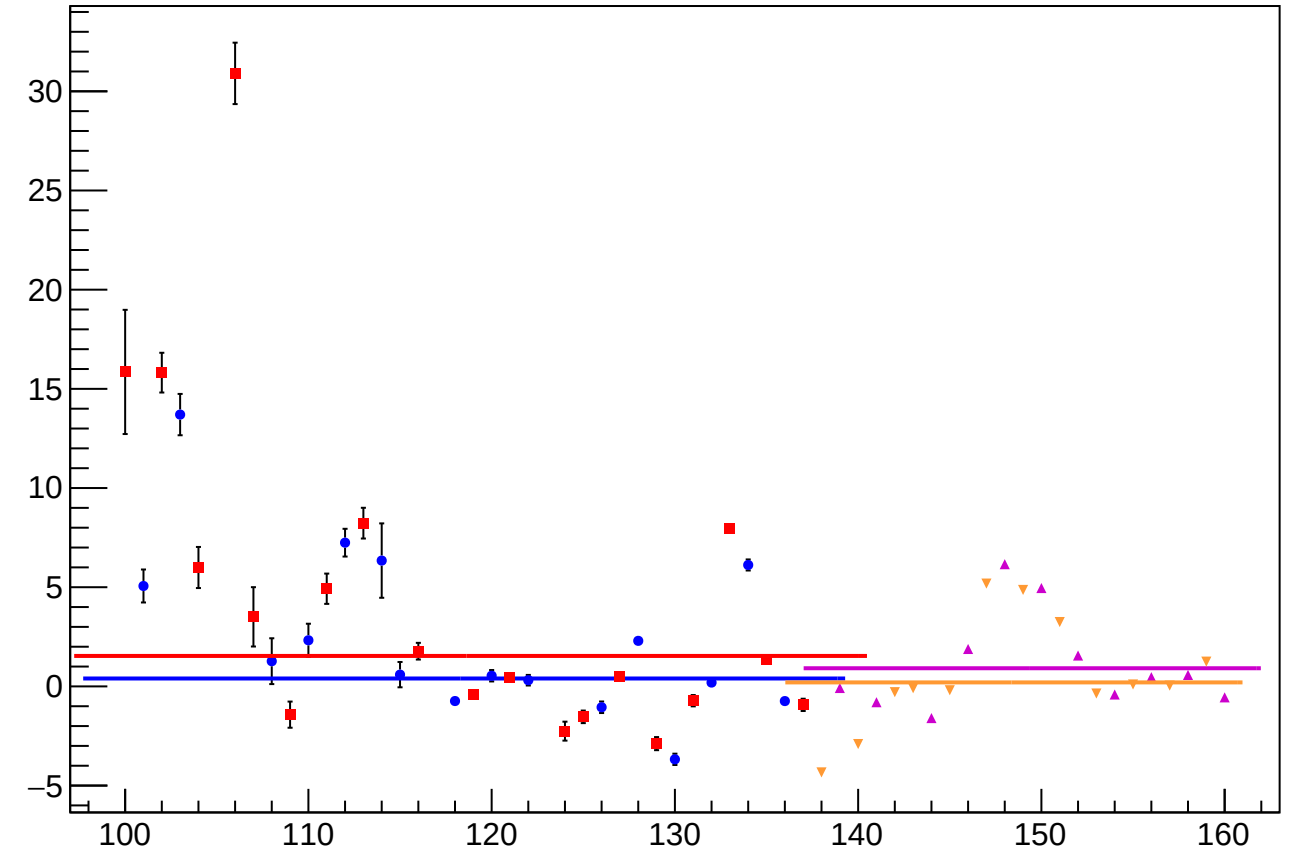
Left: -0.262+/-0.003 χ^2/NDF: 1387.7/22

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.241+/-0.004 χ^2/NDF:1180.9/26

Out: -0.224+/-0.005 χ^2/NDF:1385.2/30

All: -0.233+/-0.003 χ^2/NDF: 2573.1/57



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: 0.915+/-0.047 χ^2/NDF:2390.0/10

Left: 0.560+/-0.033 χ^2/NDF: 5782.2/22

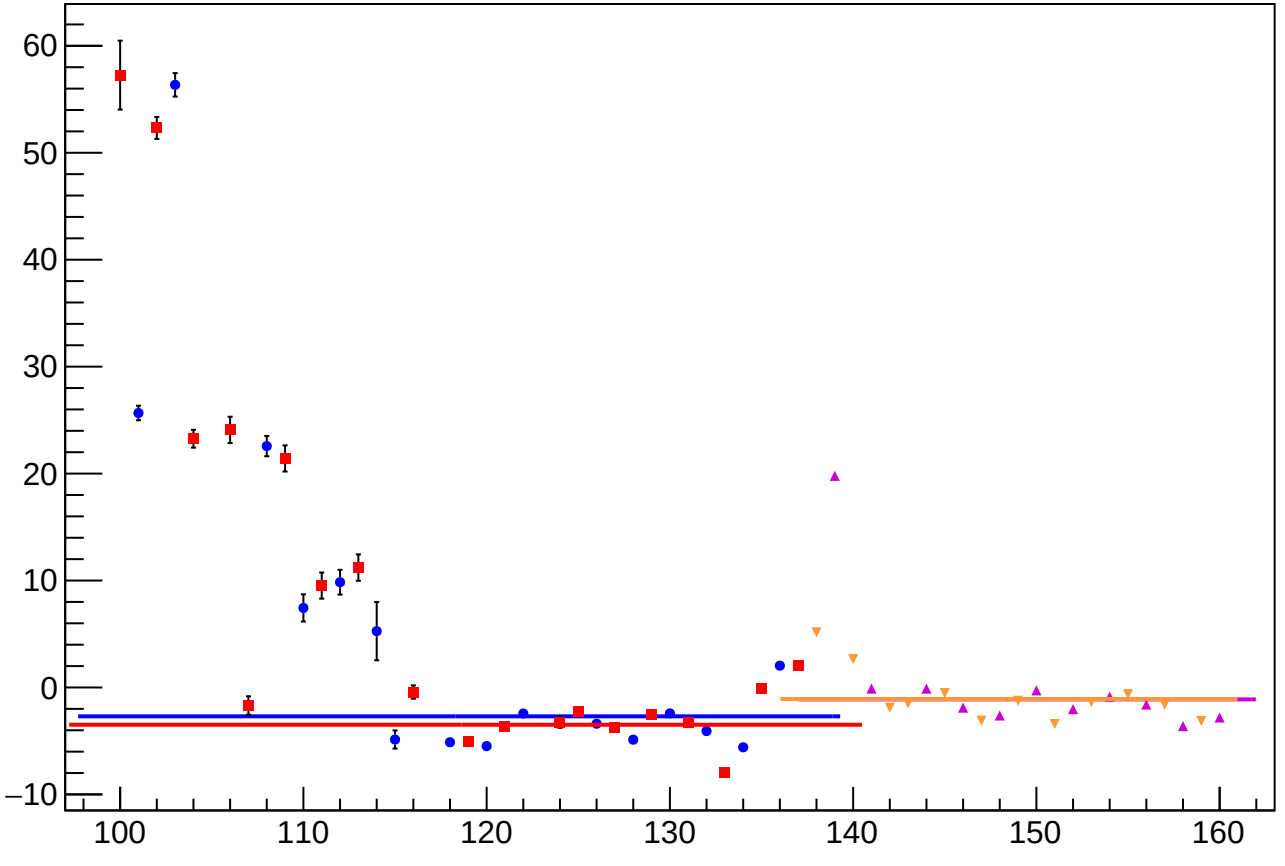
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.777+/-0.040 χ^2/NDF:3520.3/26

Out: 0.553+/-0.040 χ^2/NDF:5900.9/30

All: 0.666+/-0.028 χ^2/NDF: 9436.9/57

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -1.114+/-0.032 χ^2/NDF:8063.7/10

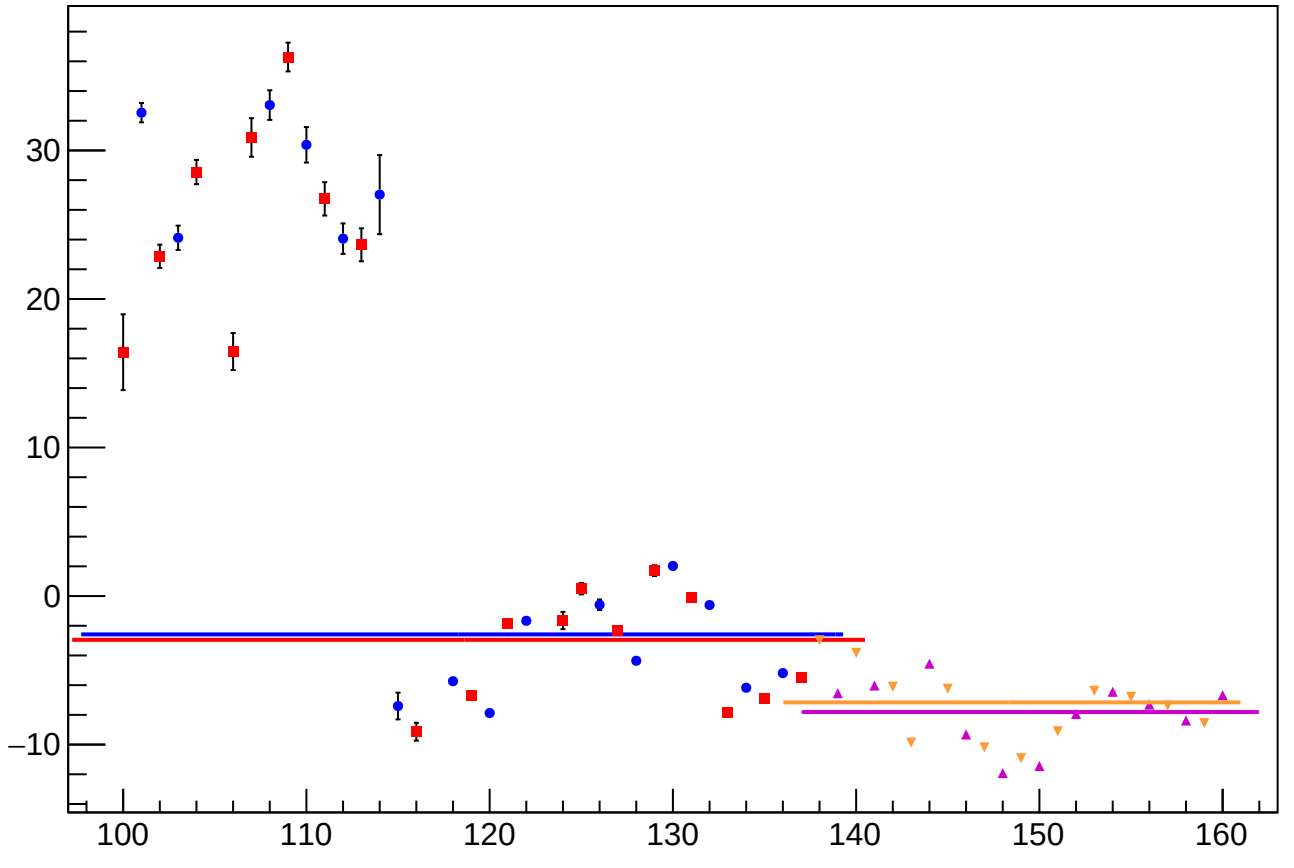
Left: -1.097+/-0.023 χ^2/NDF: 12051.3/22

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.387+/-0.029 χ^2/NDF:15583.1/26

Out: -1.509+/-0.030 χ^2/NDF:12094.6/30

All: -1.447+/-0.021 χ^2/NDF: 27686.2/57



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: -7.809+/-0.045 χ^2/NDF:2553.2/10

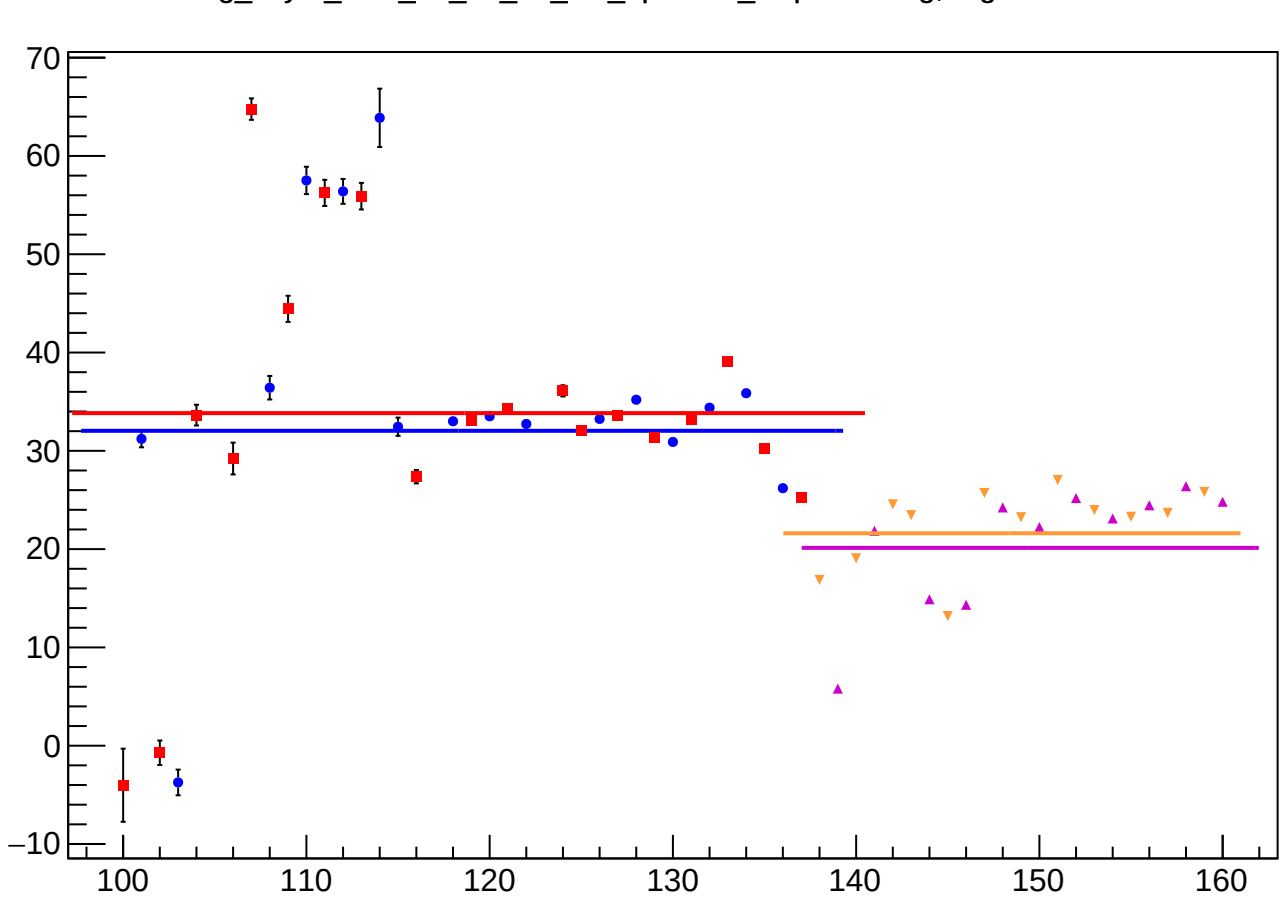
Left: -7.490+/-0.032 χ^2/NDF: 5467.9/22

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.611+/-0.040 χ^2/NDF:13763.5/26

Out: -6.202+/-0.041 χ^2/NDF:12910.6/30

All: -6.410+/-0.028 χ^2/NDF: 26725.8/57



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: 20.128+/-0.038 χ^2/NDF:17992.5/10

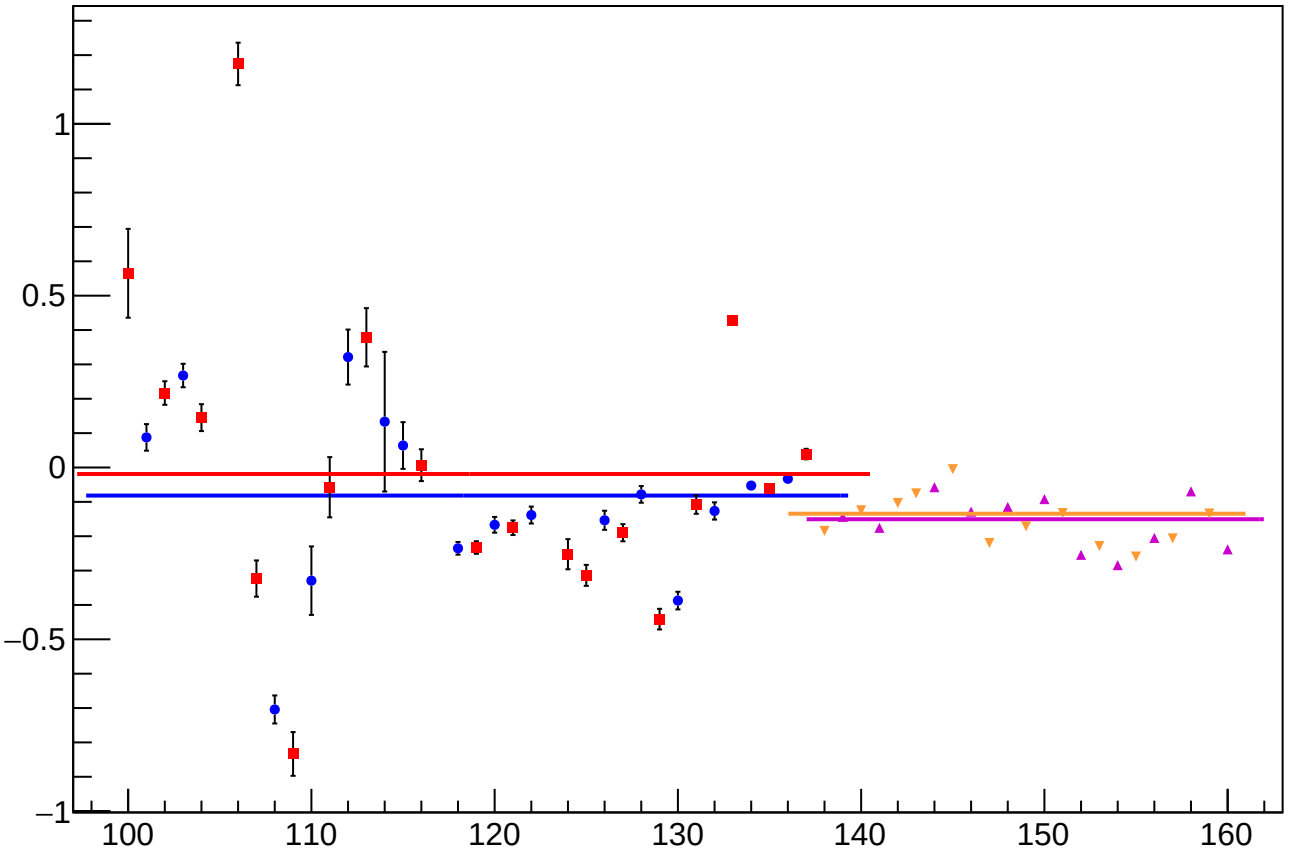
Left: 20.850+/-0.027 χ^2/NDF: 32904.6/22

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.274+/-0.035 χ^2/NDF:38846.1/26

Out: 23.909+/-0.035 χ^2/NDF:36628.4/30

All: 23.072+/-0.025 χ^2/NDF: 76568.8/57



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: -0.151+/-0.002 χ^2/NDF:1642.5/10

Left: -0.143+/-0.001 χ^2/NDF: 3733.1/22

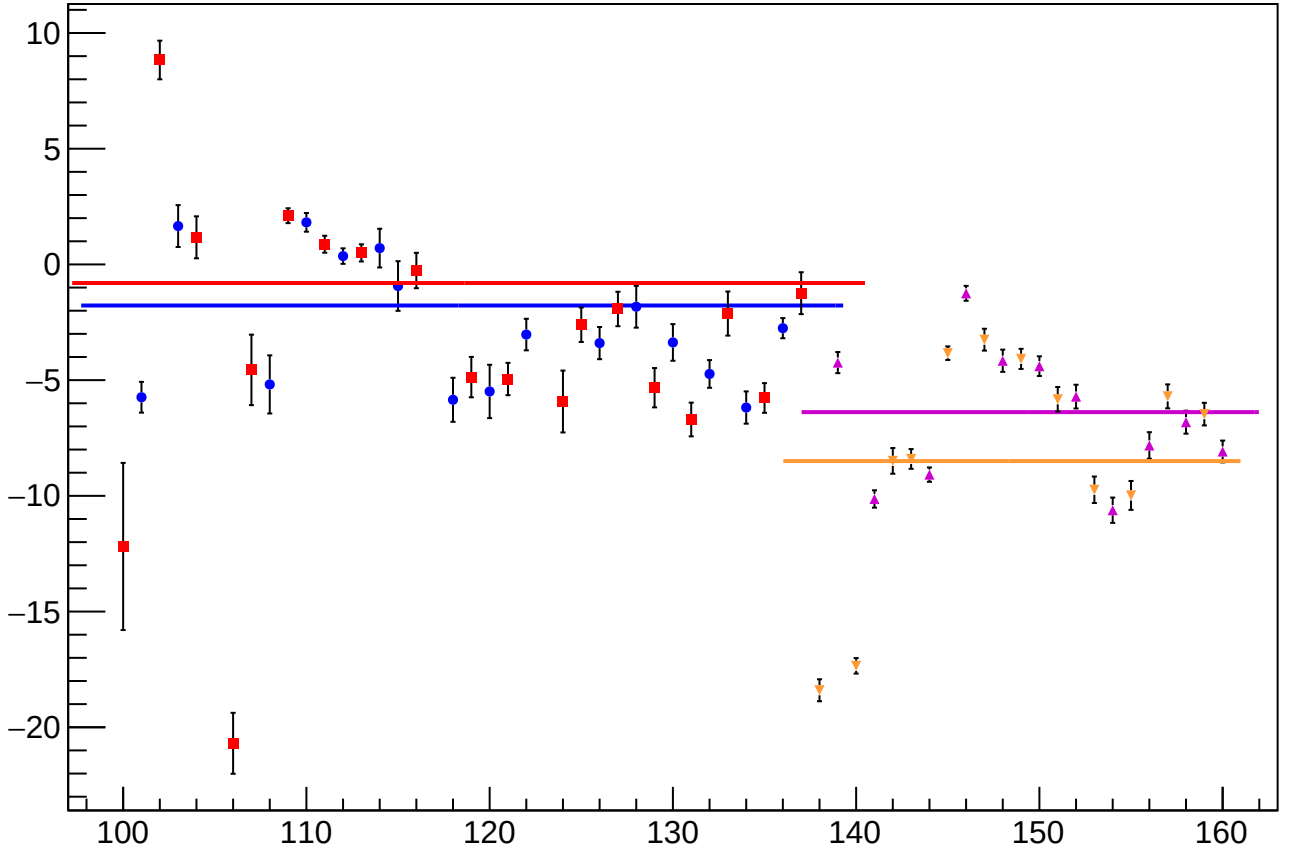
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.143+/-0.002 χ^2/NDF:2511.4/26

Out: -0.122+/-0.002 χ^2/NDF:4764.5/30

All: -0.133+/-0.001 χ^2/NDF: 7349.8/57

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.497+/-0.128 χ^2/NDF:1693.2/11

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.382+/-0.129 χ^2/NDF:576.1/10

Left: -7.441+/-0.091 χ^2/NDF: 2404.8/22

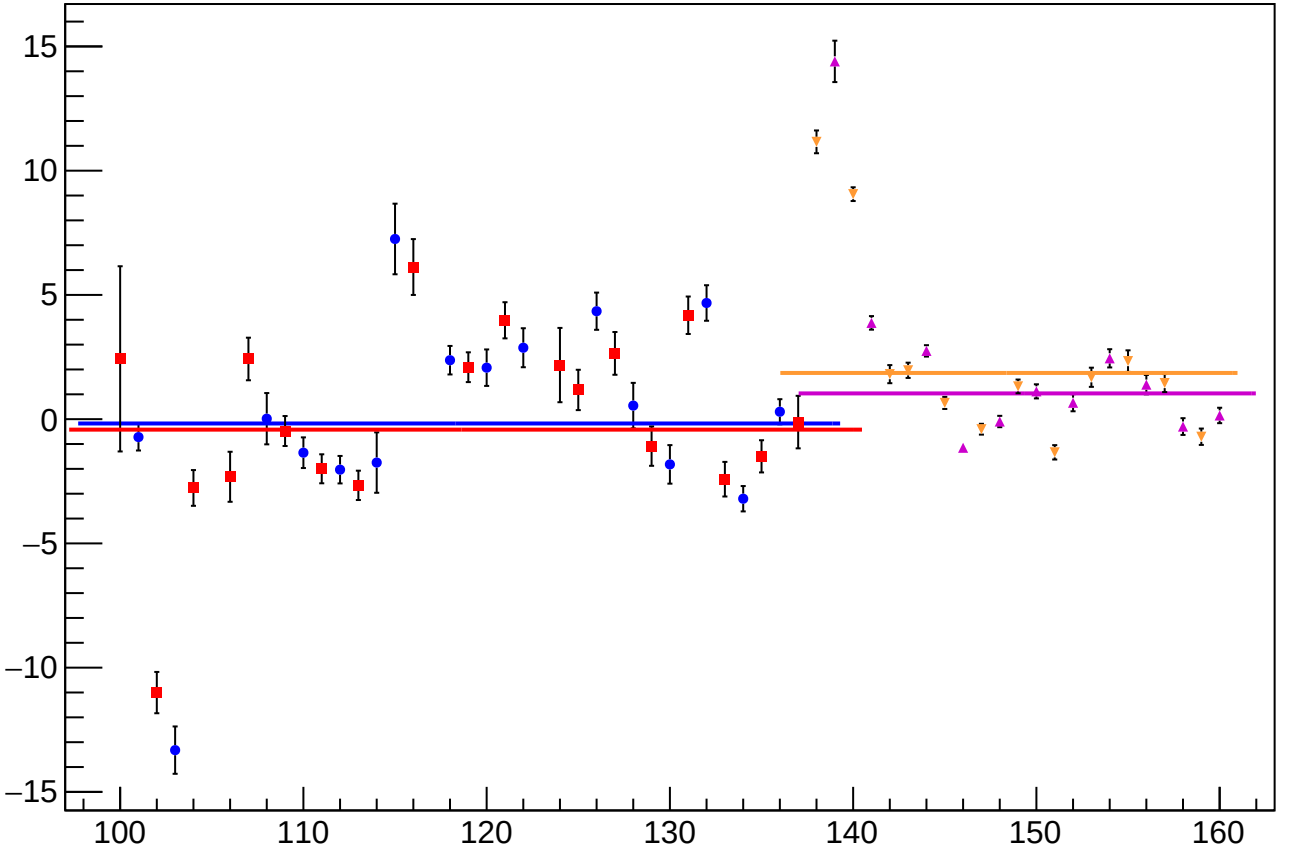
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.535+/-0.099 χ^2/NDF:1388.9/26

Out: -5.200+/-0.097 χ^2/NDF:3964.7/30

All: -4.876+/-0.069 χ^2/NDF: 5376.5/57

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.037+/-0.087 χ^2/NDF:613.2/10

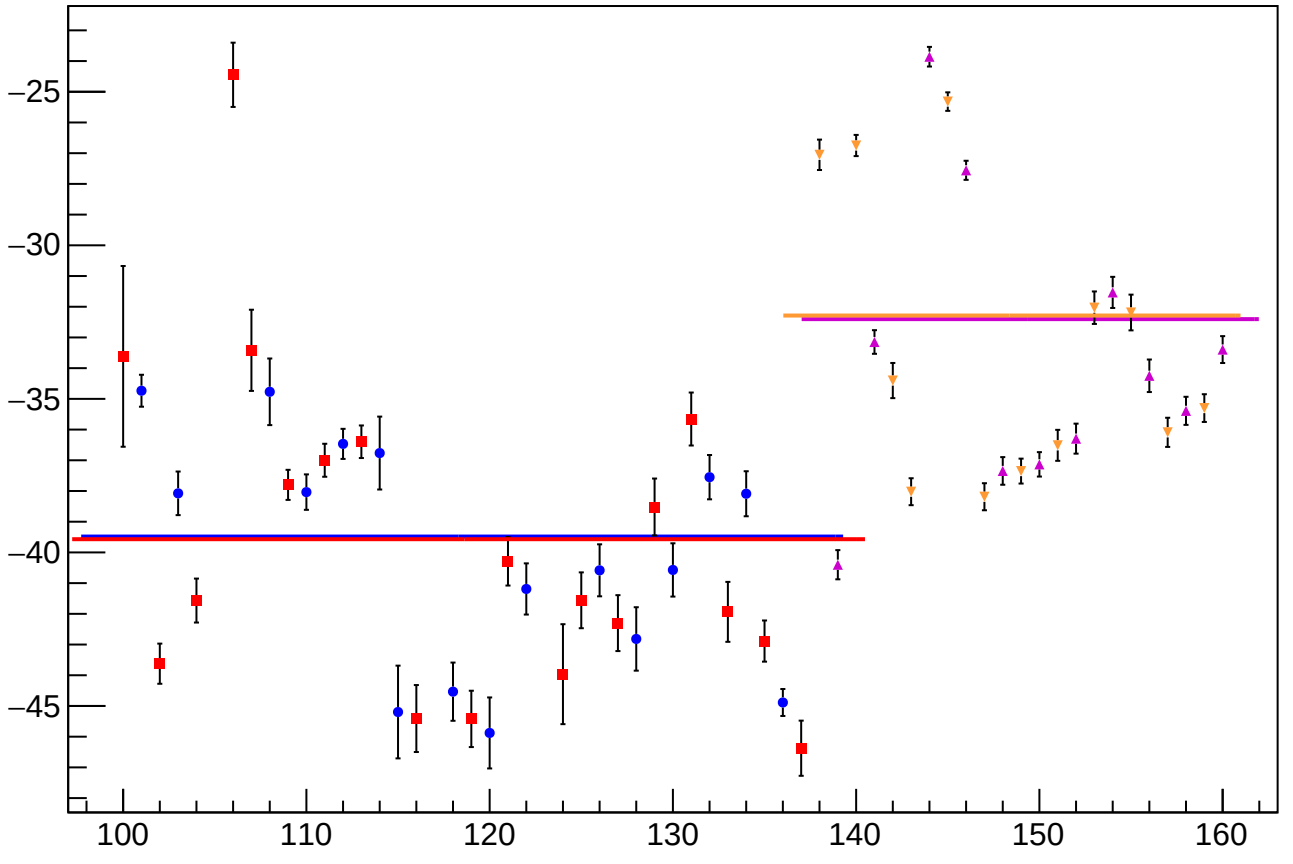
Left: 1.439+/-0.062 χ^2/NDF: 2066.6/22

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.794+/-0.077 χ^2/NDF:1055.5/26

Out: 1.405+/-0.079 χ^2/NDF:1908.1/30

All: 1.093+/-0.055 χ^2/NDF: 2994.1/57



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: -32.403+/-0.125 χ^2/NDF:1632.4/10

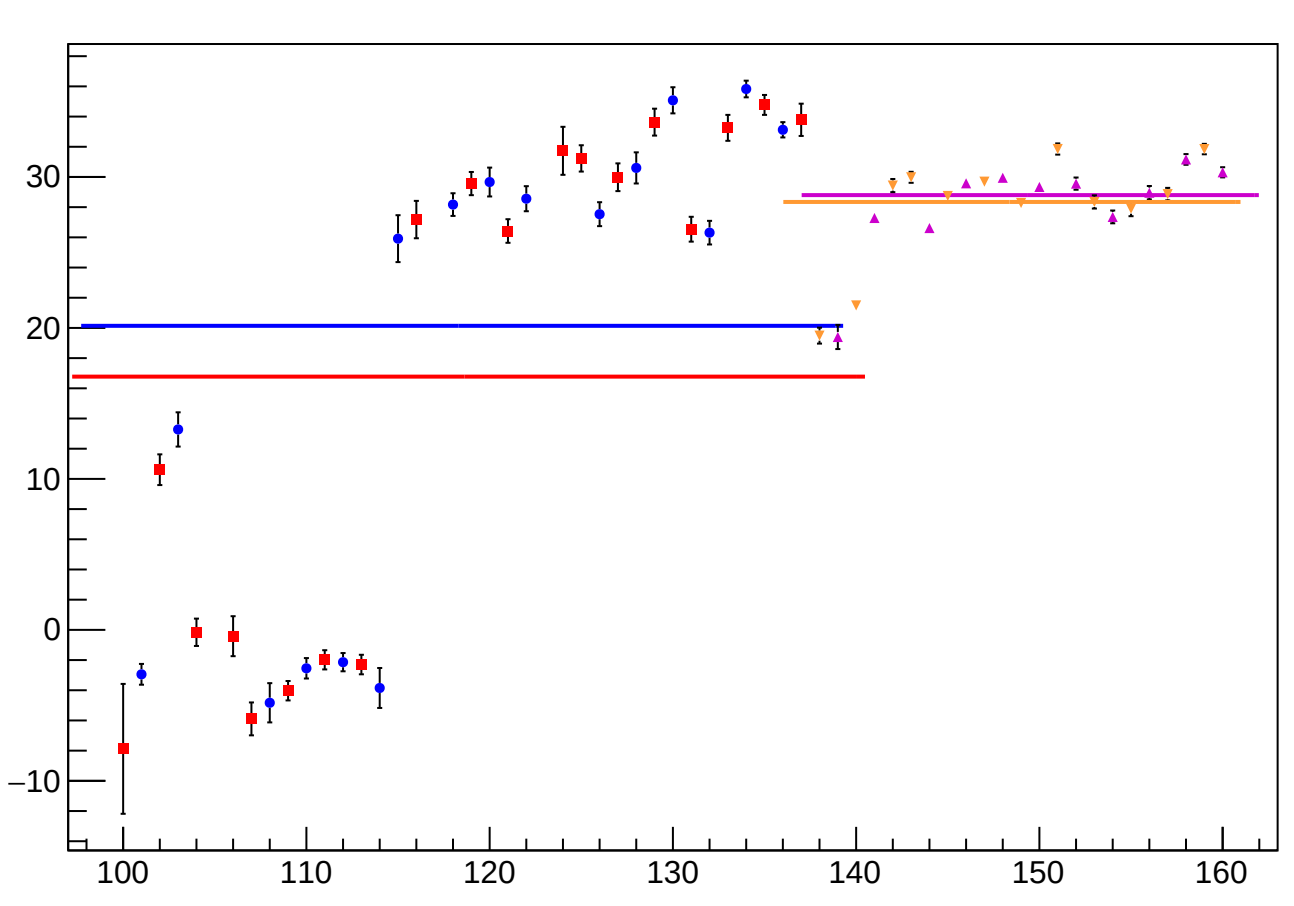
Left: -32.346+/-0.089 χ^2/NDF: 3235.6/22

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.697+/-0.103 χ^2/NDF:3085.0/26

Out: -34.670+/-0.104 χ^2/NDF:3245.8/30

All: -34.684+/-0.073 χ^2/NDF: 6330.8/57



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: 28.798+/-0.103 χ^2/NDF:331.9/10

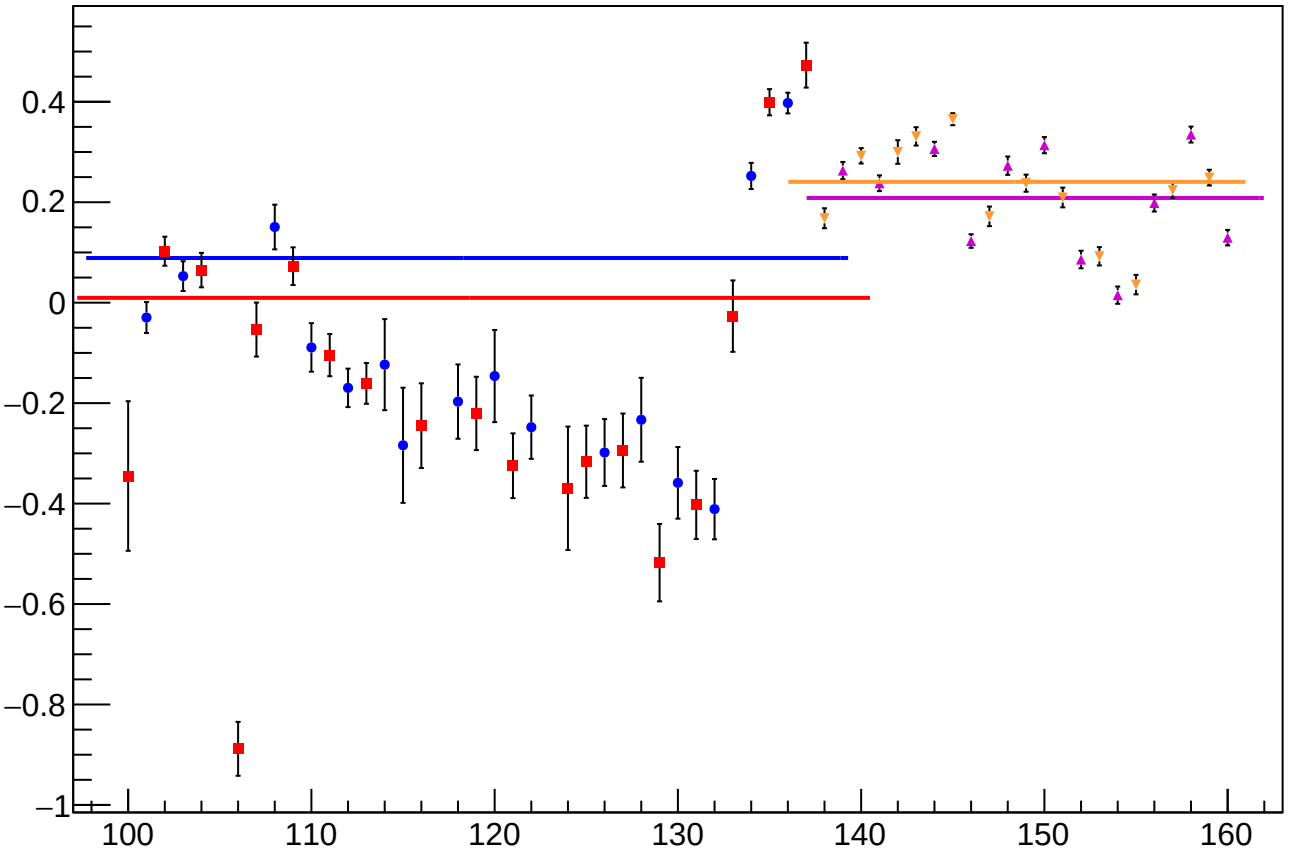
Left: 28.578+/-0.074 χ^2/NDF: 1288.8/22

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.912+/-0.091 χ^2/NDF:8563.0/26

Out: 25.810+/-0.093 χ^2/NDF:10307.6/30

All: 26.376+/-0.065 χ^2/NDF: 18942.1/57



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: 0.208+/-0.005 χ^2/NDF:421.6/10

Left: 0.224+/-0.003 χ^2/NDF: 801.6/22

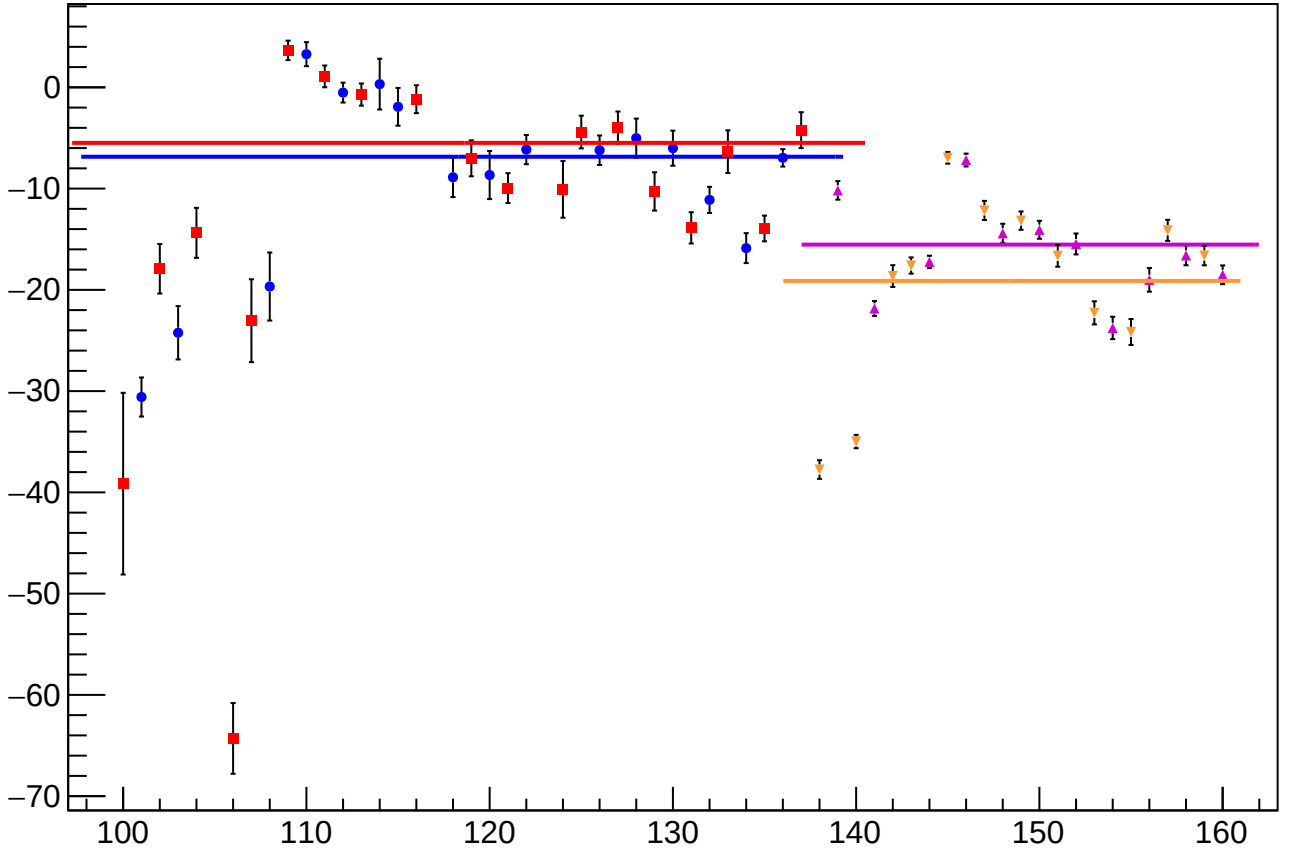
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.187+/-0.004 χ^2/NDF:1094.1/26

Out: 0.202+/-0.004 χ^2/NDF:1559.2/30

All: 0.195+/-0.003 χ^2/NDF: 2658.7/57

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.116+/-0.254 χ^2/NDF:1591.9/11

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -15.532+/-0.255 χ^2/NDF:369.2/10

Left: -17.329+/-0.180 χ^2/NDF: 2060.2/22

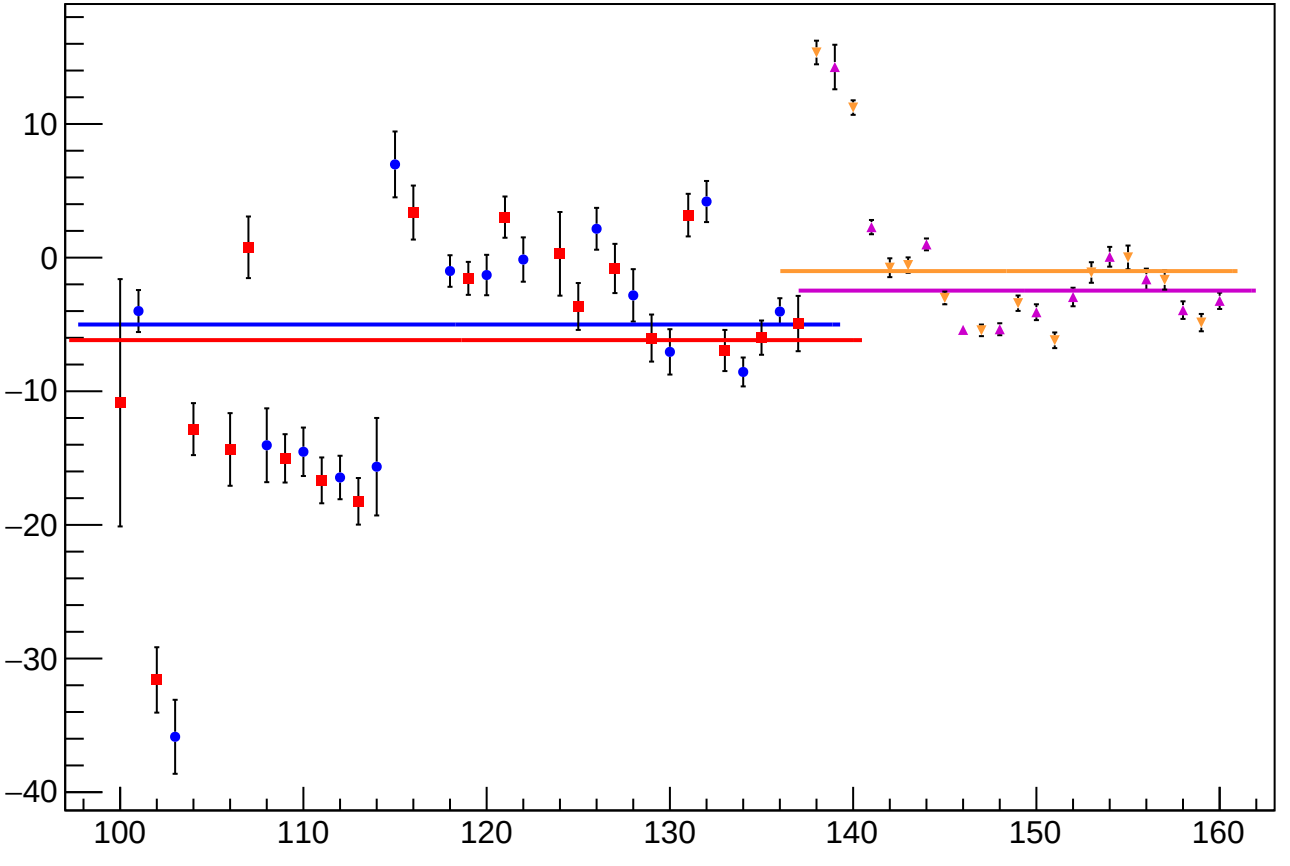
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -12.796+/-0.211 χ^2/NDF:1124.9/26

Out: -14.730+/-0.209 χ^2/NDF:3124.4/30

All: -13.771+/-0.149 χ^2/NDF: 4291.7/57

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: -2.468+/-0.171 χ^2/NDF:371.1/10

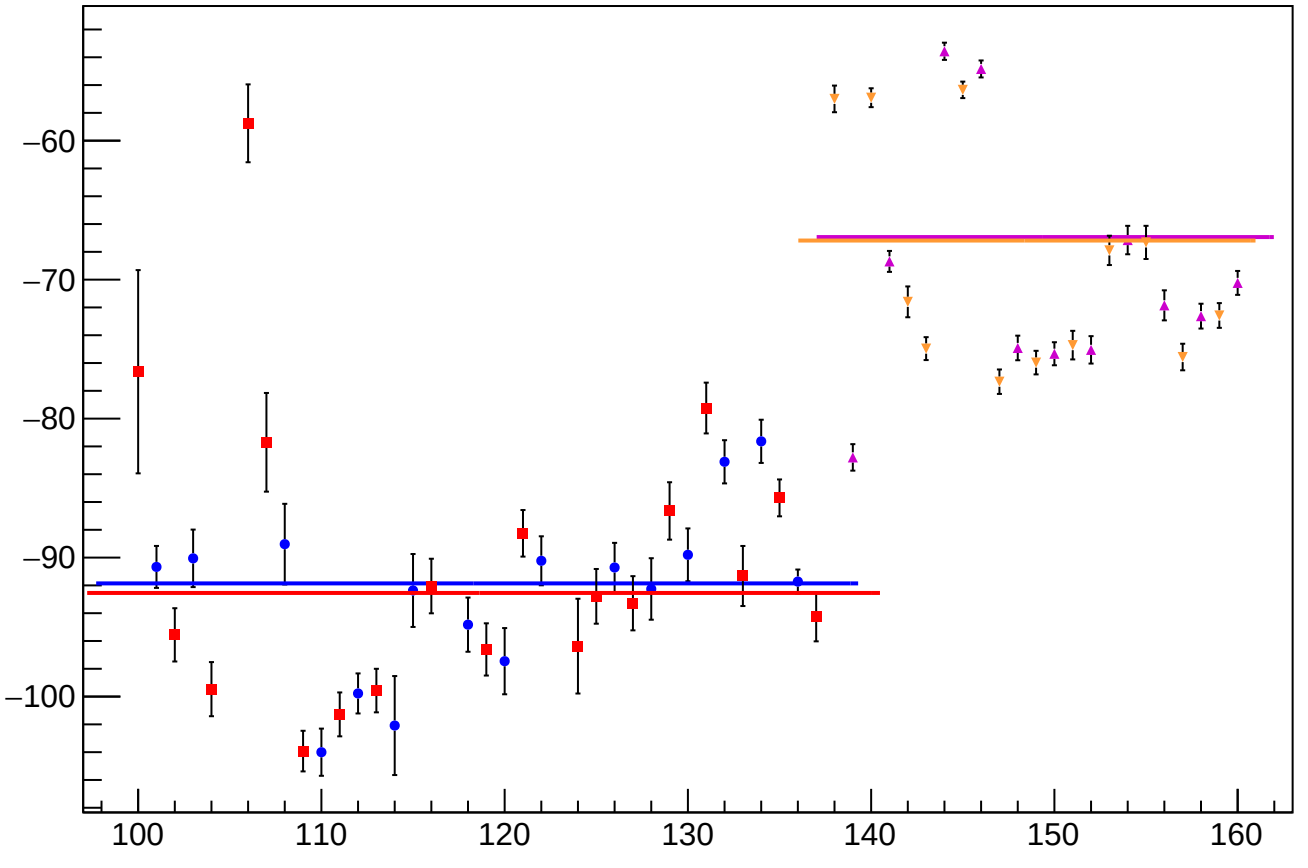
Left: -1.758+/-0.122 χ^2/NDF: 1509.9/22

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.866+/-0.157 χ^2/NDF:747.5/26

Out: -1.785+/-0.162 χ^2/NDF:1602.9/30

All: -2.342+/-0.112 χ^2/NDF: 2373.5/57



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: -66.936+/-0.248 χ^2/NDF:1467.8/10

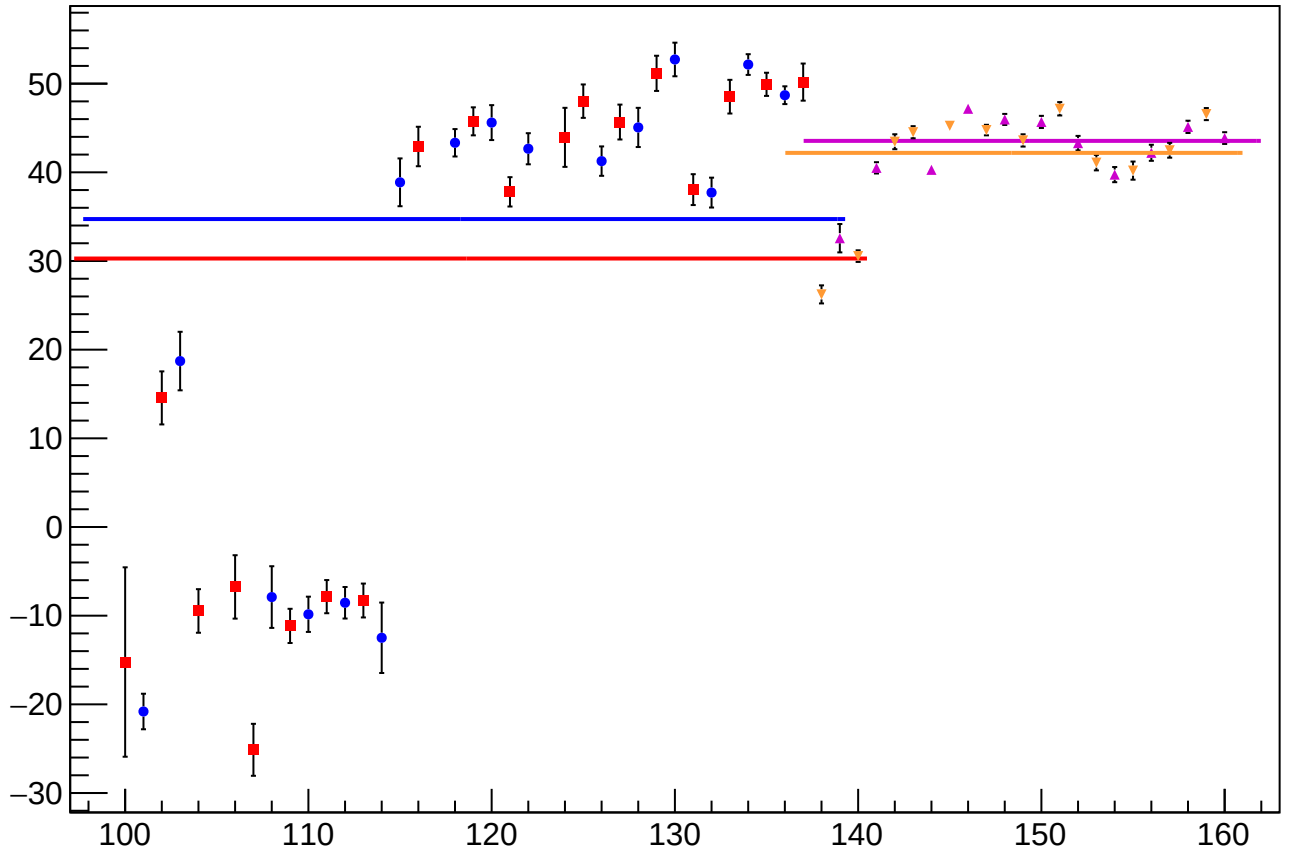
Left: -67.060+/-0.176 χ^2/NDF: 2657.7/22

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.269+/-0.214 χ^2/NDF:4221.1/26

Out: -73.399+/-0.217 χ^2/NDF:4093.3/30

All: -73.333+/-0.152 χ^2/NDF: 8314.6/57



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: 43.546+/-0.203 χ^2/NDF:220.8/10

Left: 42.891+/-0.146 χ^2/NDF: 961.3/22

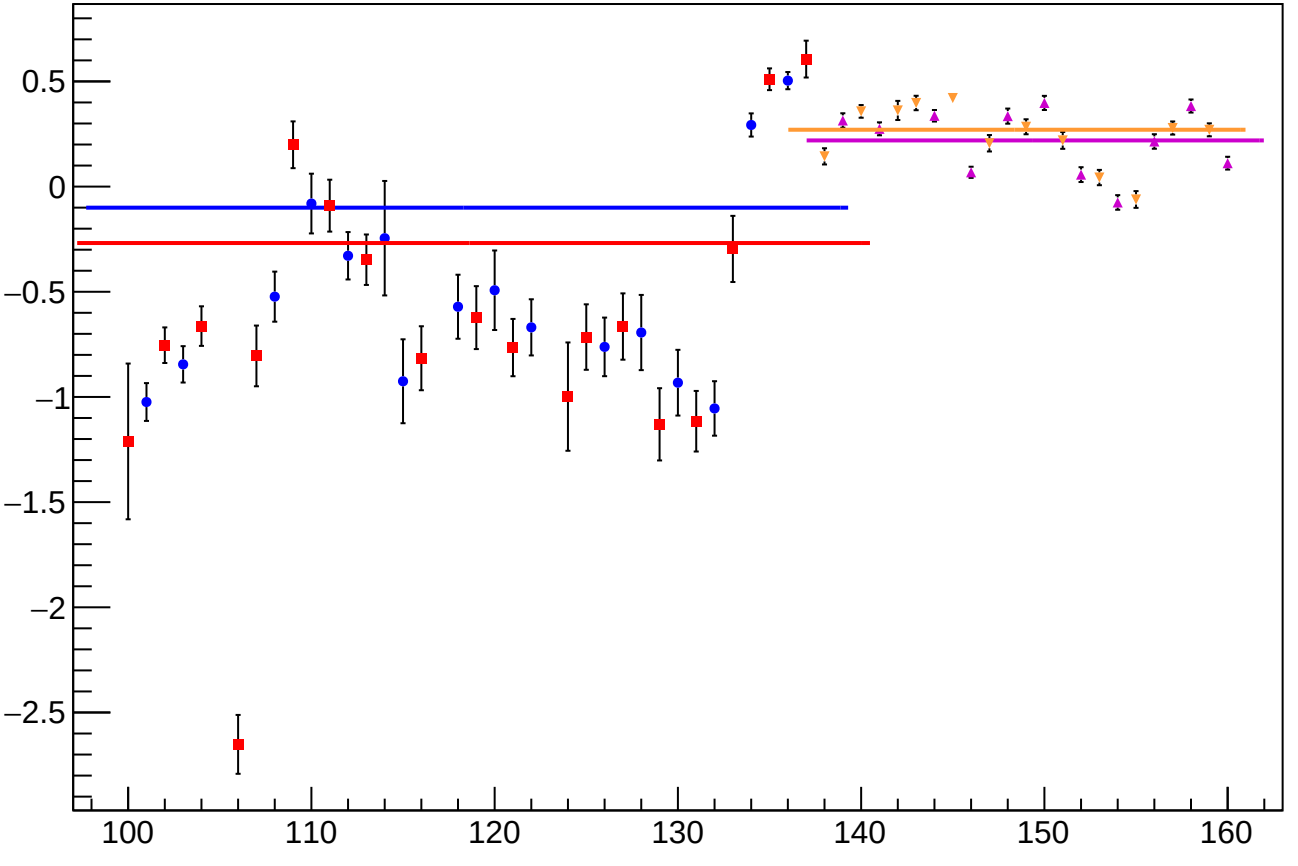
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 42.007+/-0.185 χ^2/NDF:3358.5/26

Out: 40.194+/-0.191 χ^2/NDF:4171.6/30

All: 41.133+/-0.133 χ^2/NDF: 7576.6/57

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: 0.220+/-0.010 χ^2/NDF:233.8/10

Left: 0.244+/-0.007 χ^2/NDF: 438.4/22

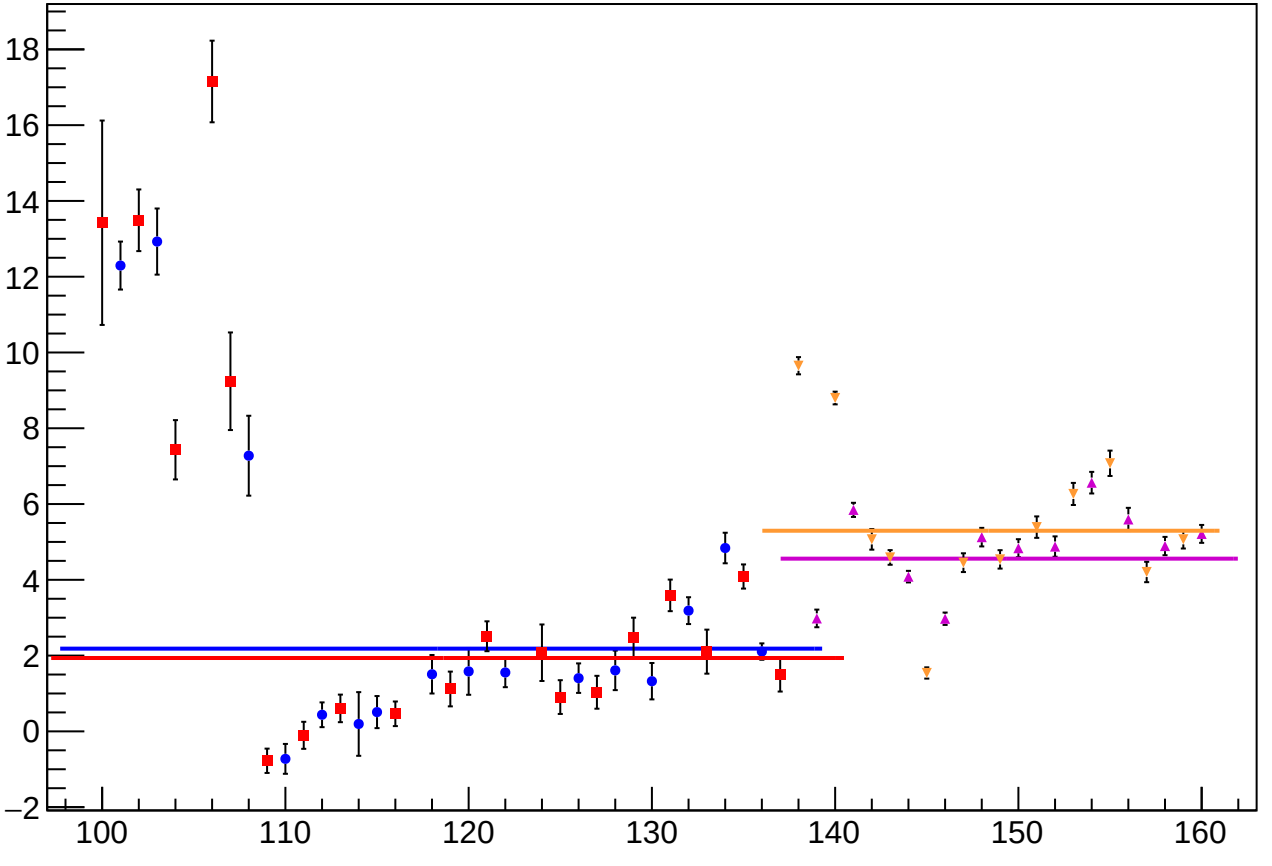
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.176+/-0.009 χ^2/NDF:1018.0/26

Out: 0.205+/-0.009 χ^2/NDF:1380.6/30

All: 0.190+/-0.006 χ^2/NDF: 2403.9/57

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: 4.559+/-0.065 χ^2/NDF:276.0/10

Left: 4.930+/-0.046 χ^2/NDF: 1872.2/22

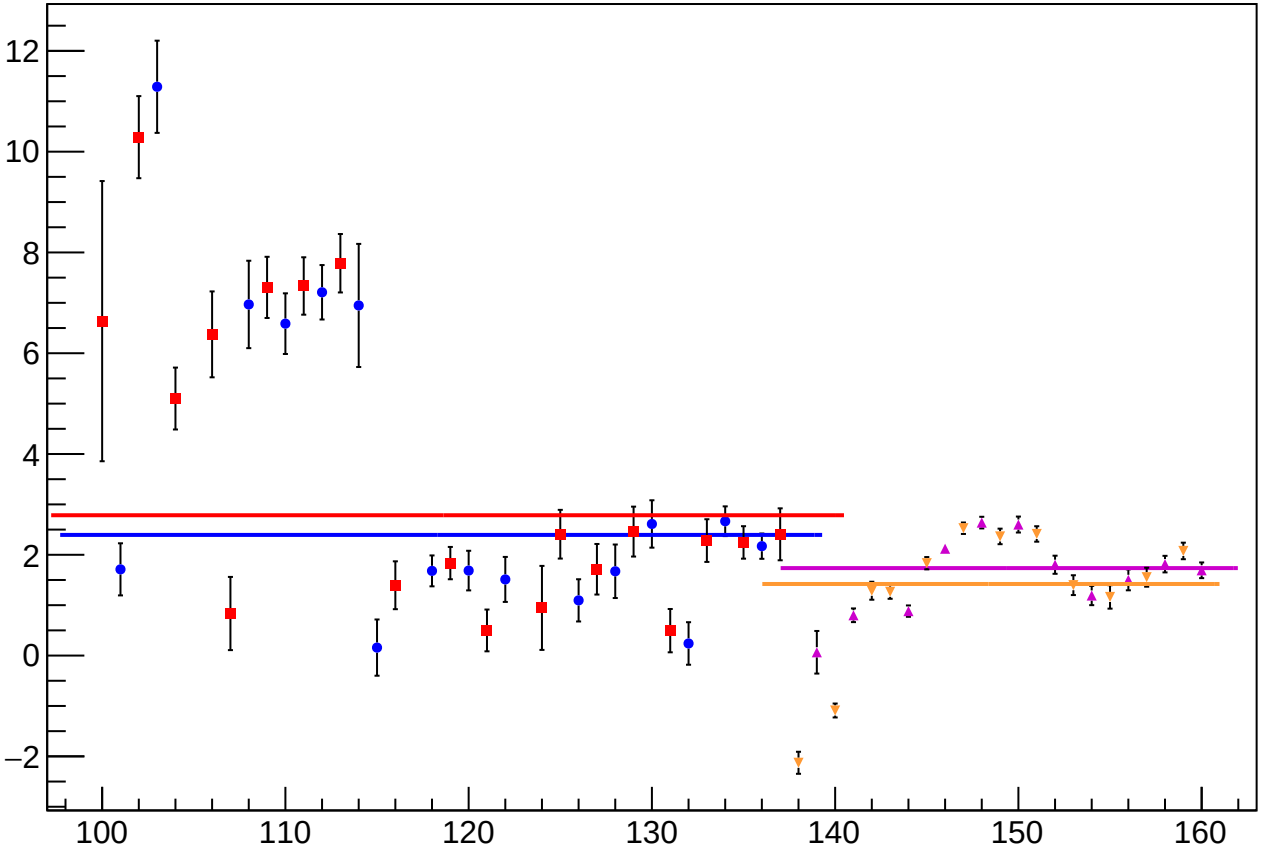
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.894+/-0.056 χ^2/NDF:1243.9/26

Out: 4.373+/-0.055 χ^2/NDF:2984.9/30

All: 4.135+/-0.039 χ^2/NDF: 4266.1/57

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: 1.736+/-0.044 χ^2/NDF:237.6/10

Left: 1.583+/-0.031 χ^2/NDF: 1061.1/22

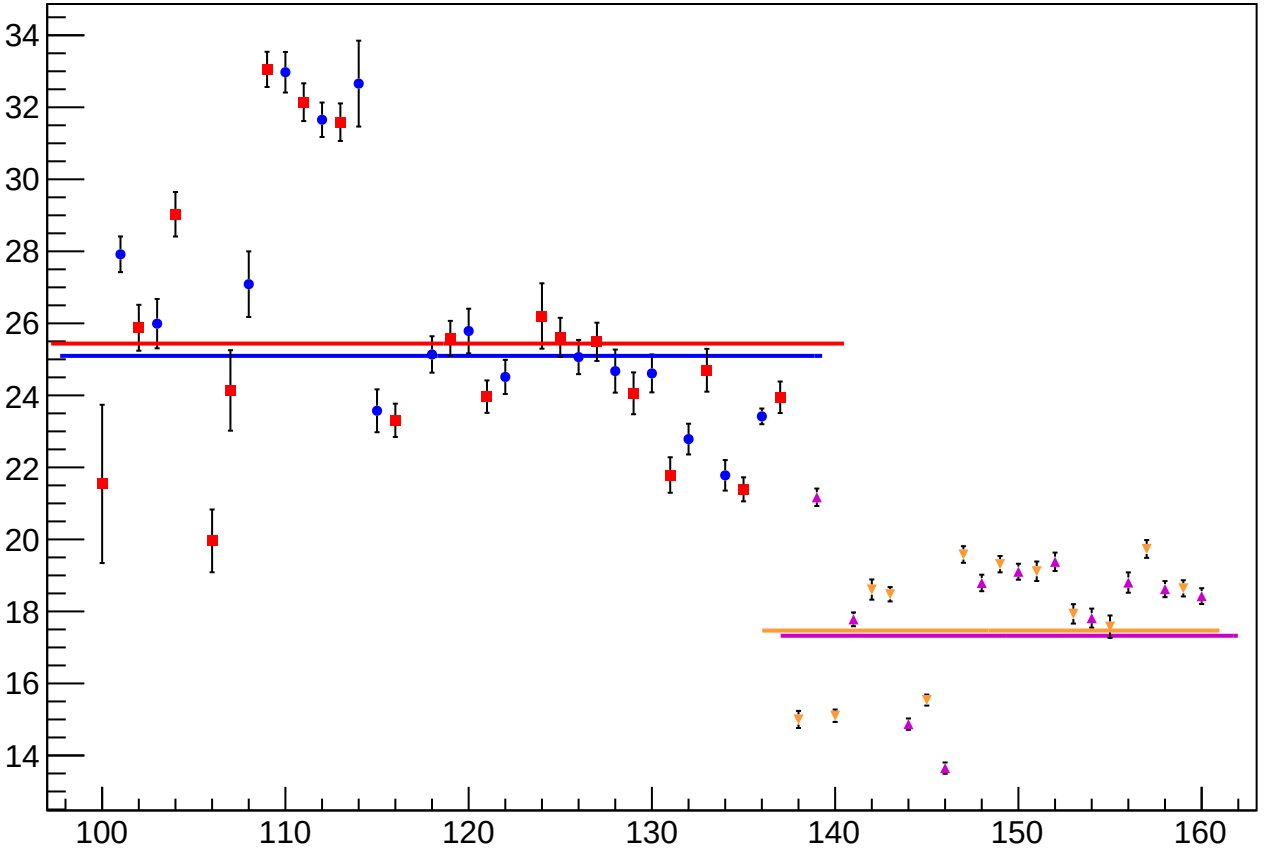
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.828+/-0.041 χ^2/NDF:603.3/26

Out: 1.599+/-0.042 χ^2/NDF:1329.6/30

All: 1.717+/-0.029 χ^2/NDF: 1948.3/57

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: 17.324+/-0.064 χ^2/NDF:1307.6/10

Left: 17.396+/-0.045 χ^2/NDF: 2108.7/22

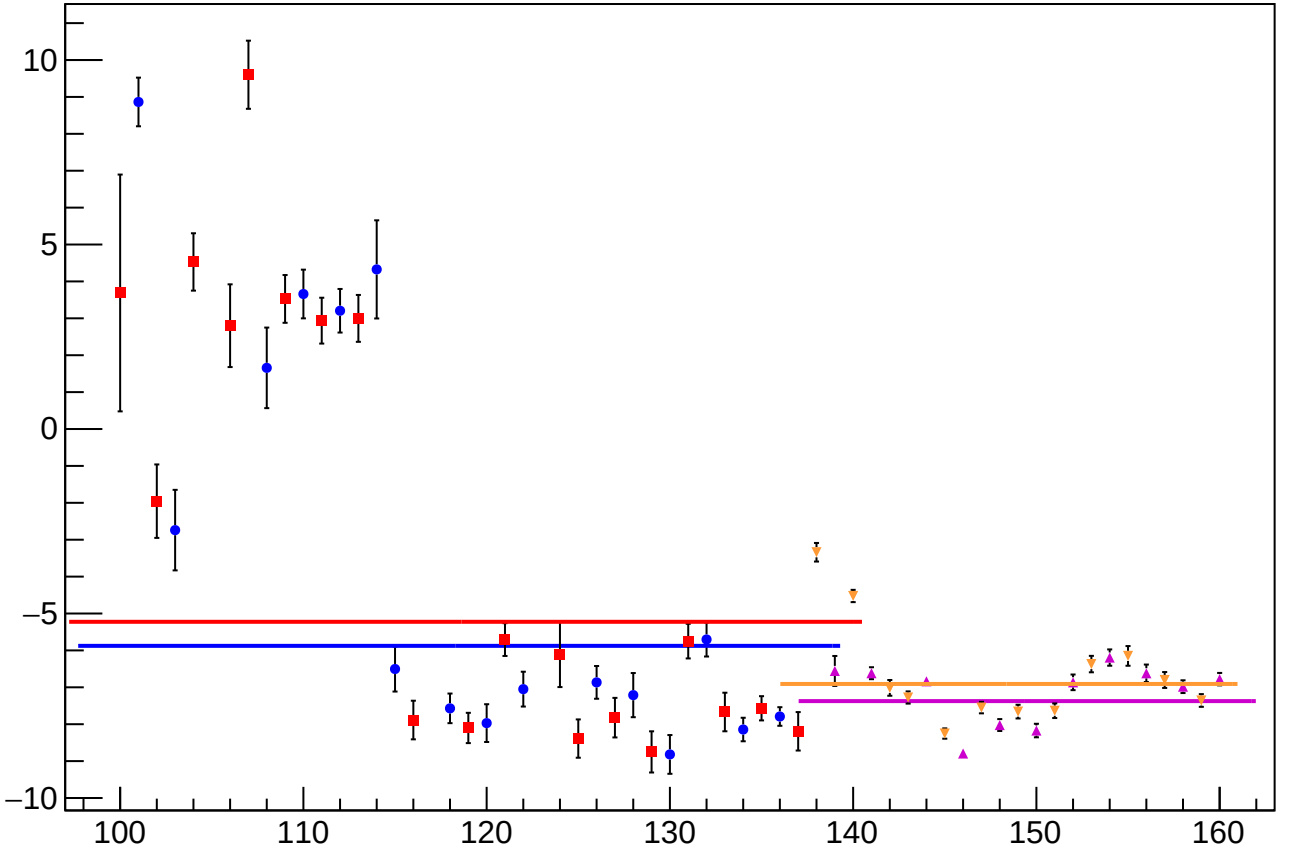
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.083+/-0.056 χ^2/NDF:5313.5/26

Out: 19.145+/-0.057 χ^2/NDF:4937.2/30

All: 19.113+/-0.040 χ^2/NDF: 10251.4/57

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: -7.374+/-0.052 χ^2/NDF:279.9/10

Left: -7.149+/-0.037 χ^2/NDF: 889.2/22

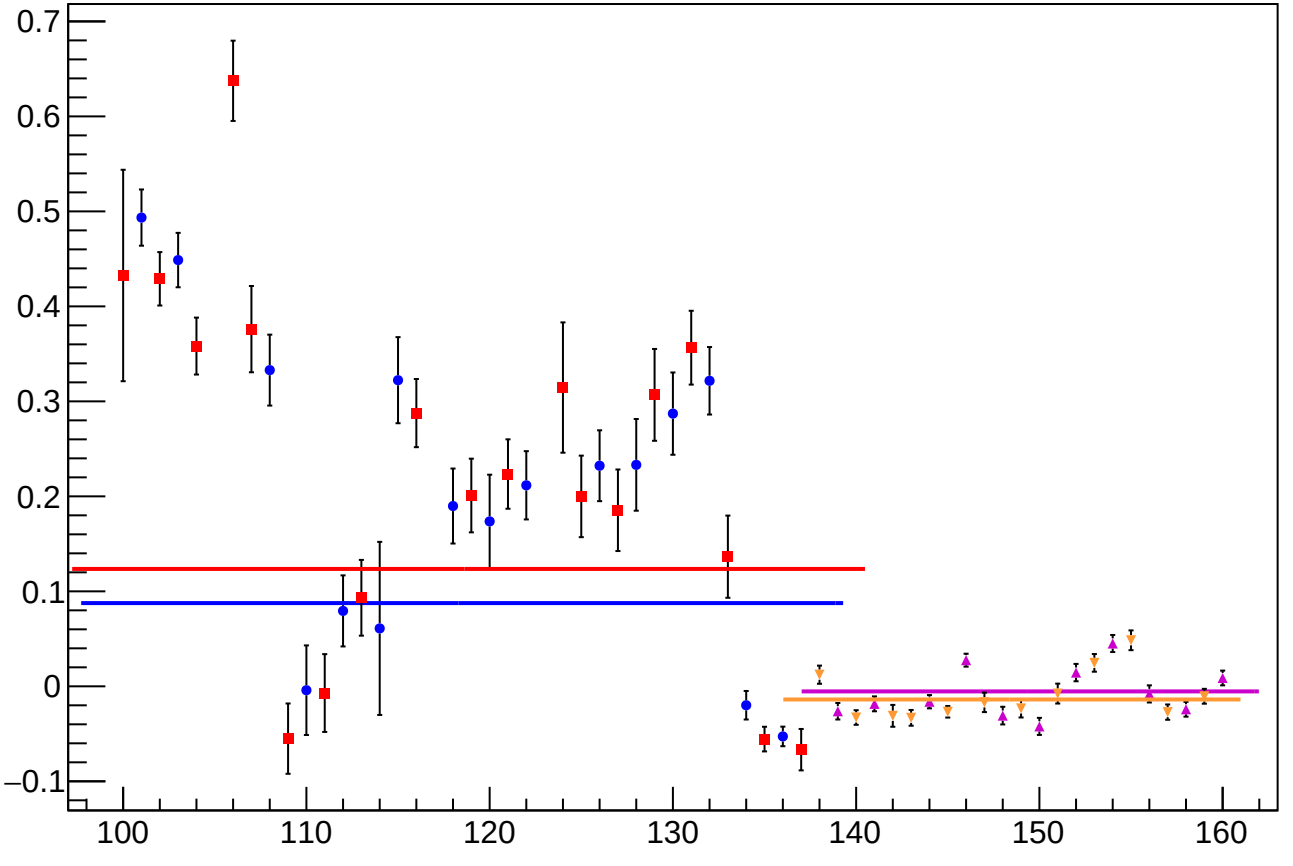
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.139+/-0.048 χ^2/NDF:1661.1/26

Out: -6.662+/-0.050 χ^2/NDF:2007.2/30

All: -6.909+/-0.034 χ^2/NDF: 3716.2/57

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: -0.005+/-0.002 χ^2/NDF:104.2/10

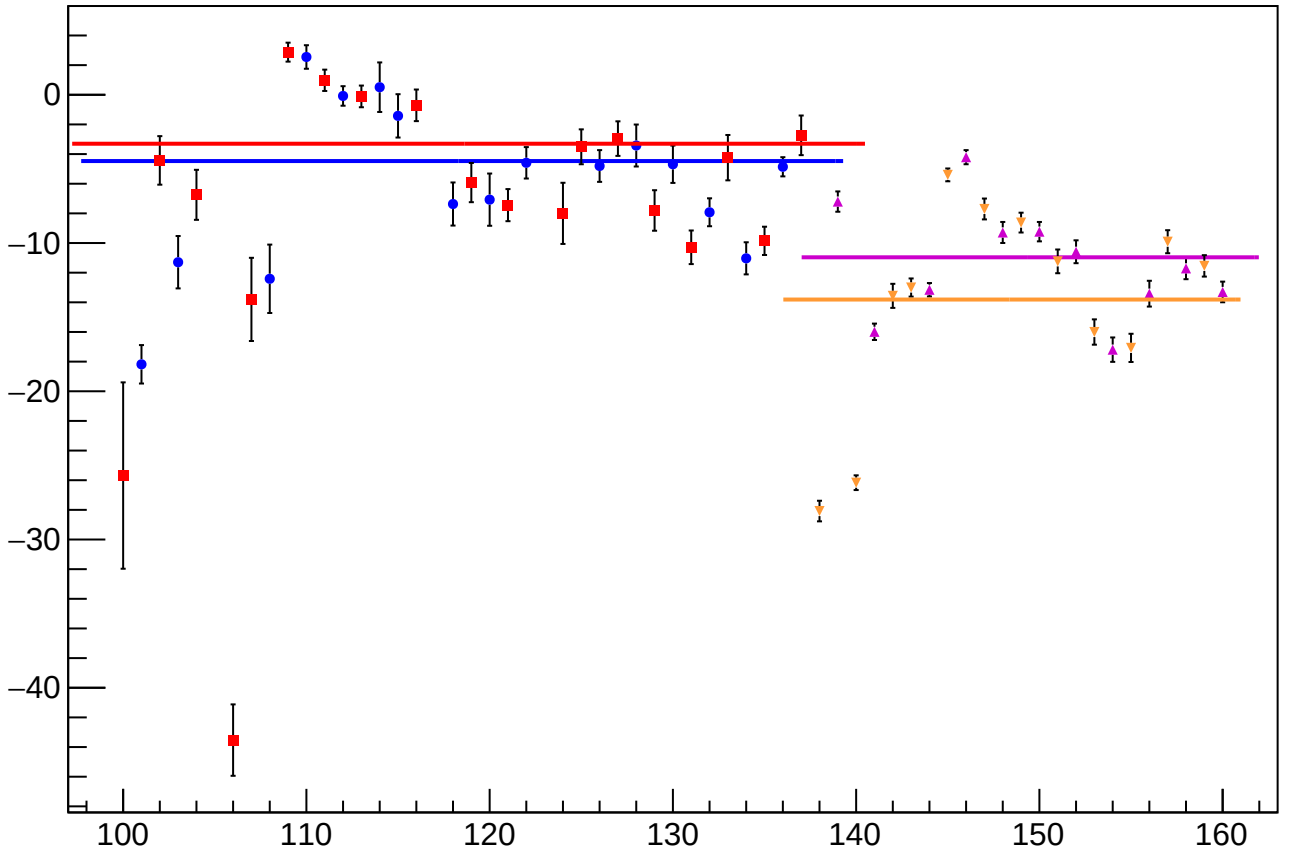
Left: -0.010+/-0.002 χ^2/NDF: 193.2/22

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.006+/-0.002 χ^2/NDF:1046.8/26

Out: 0.001+/-0.002 χ^2/NDF:1160.3/30

All: 0.003+/-0.002 χ^2/NDF: 2209.8/57



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: -10.963+/-0.191 χ^2/NDF:427.6/10

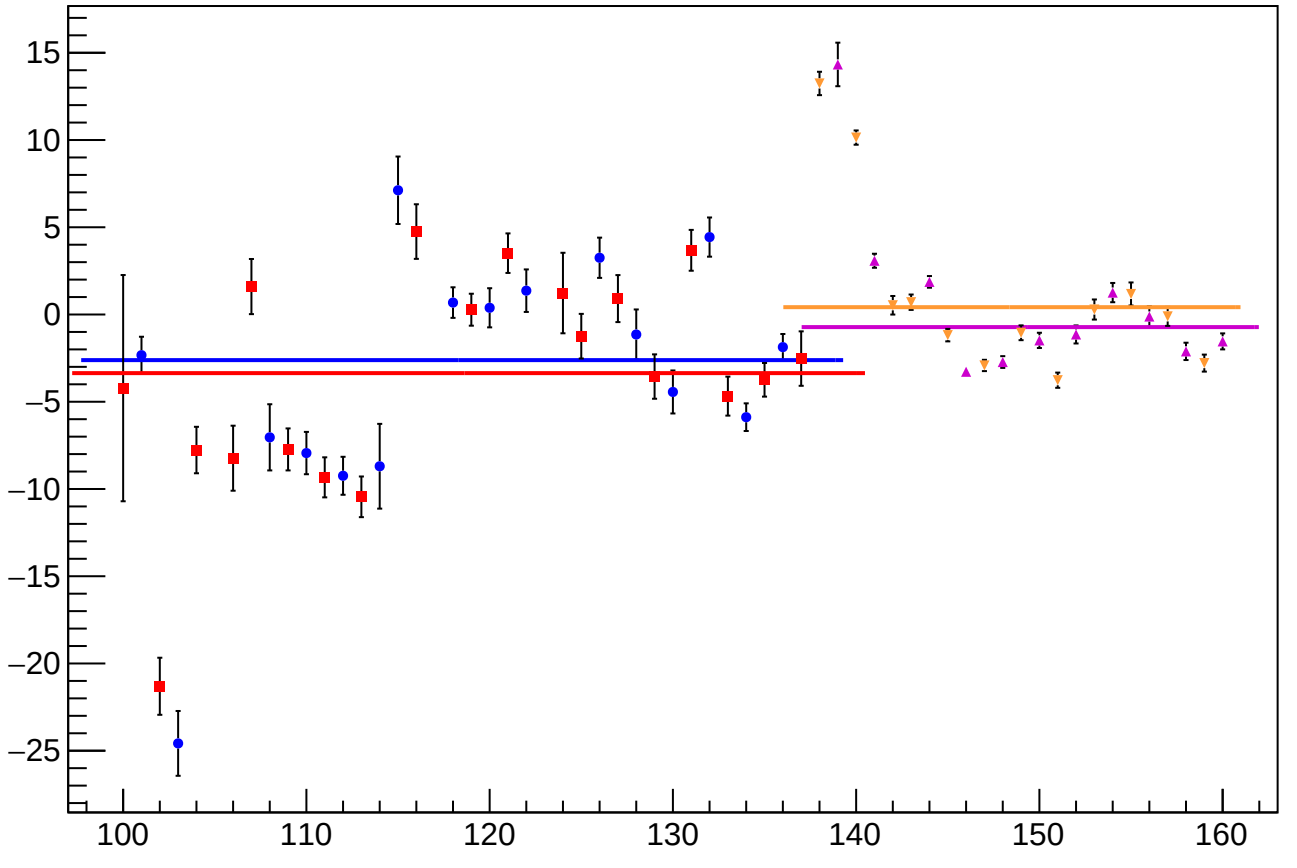
Left: -12.390+/-0.135 χ^2/NDF: 2159.3/22

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -8.782+/-0.156 χ^2/NDF:1147.8/26

Out: -10.154+/-0.154 χ^2/NDF:3263.3/30

All: -9.475+/-0.109 χ^2/NDF: 4450.5/57



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: -0.722+/-0.128 χ^2/NDF:440.8/10

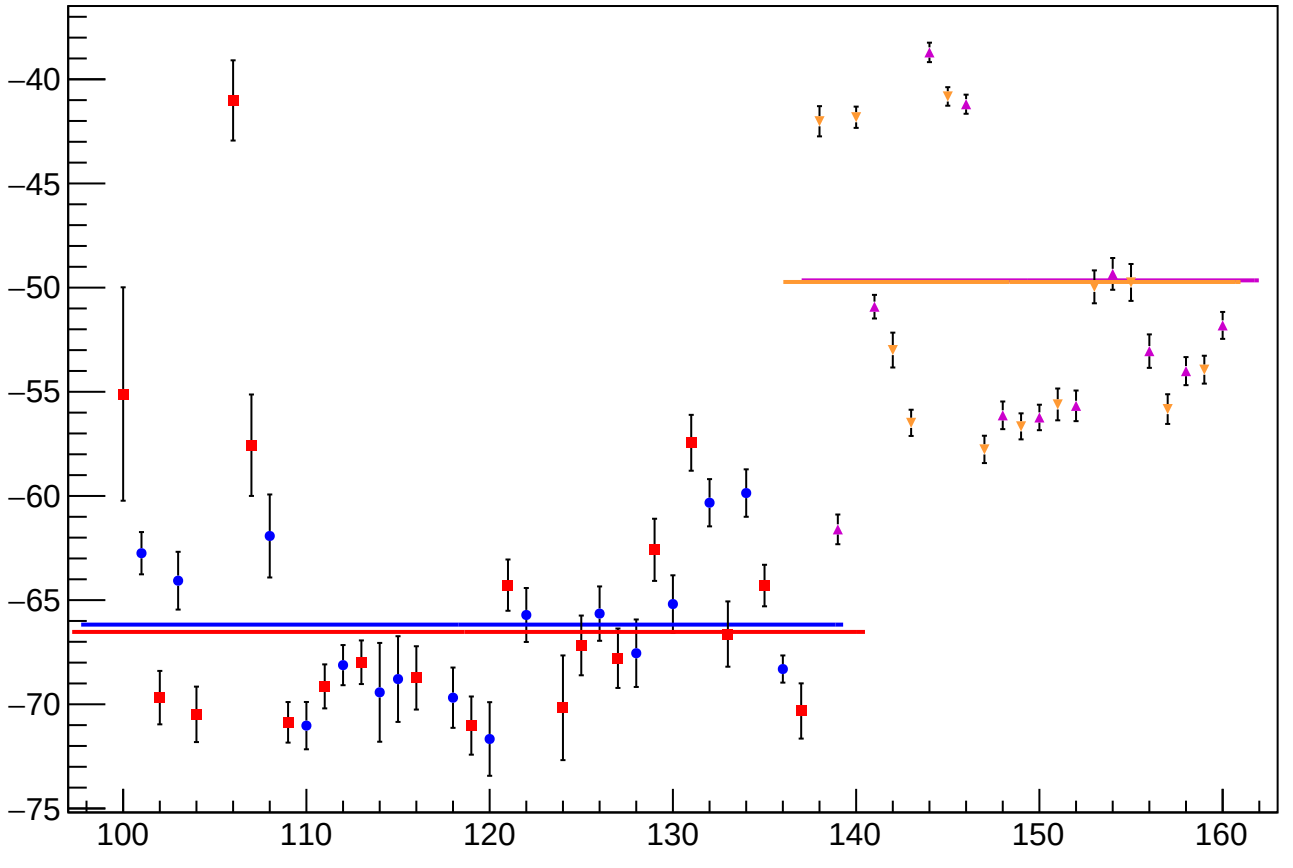
Left: -0.166+/-0.092 χ^2/NDF: 1686.9/22

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.038+/-0.117 χ^2/NDF:829.3/26

Out: -0.192+/-0.120 χ^2/NDF:1701.1/30

All: -0.627+/-0.084 χ^2/NDF: 2555.8/57



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: -49.652+/-0.185 χ^2/NDF:1524.5/10

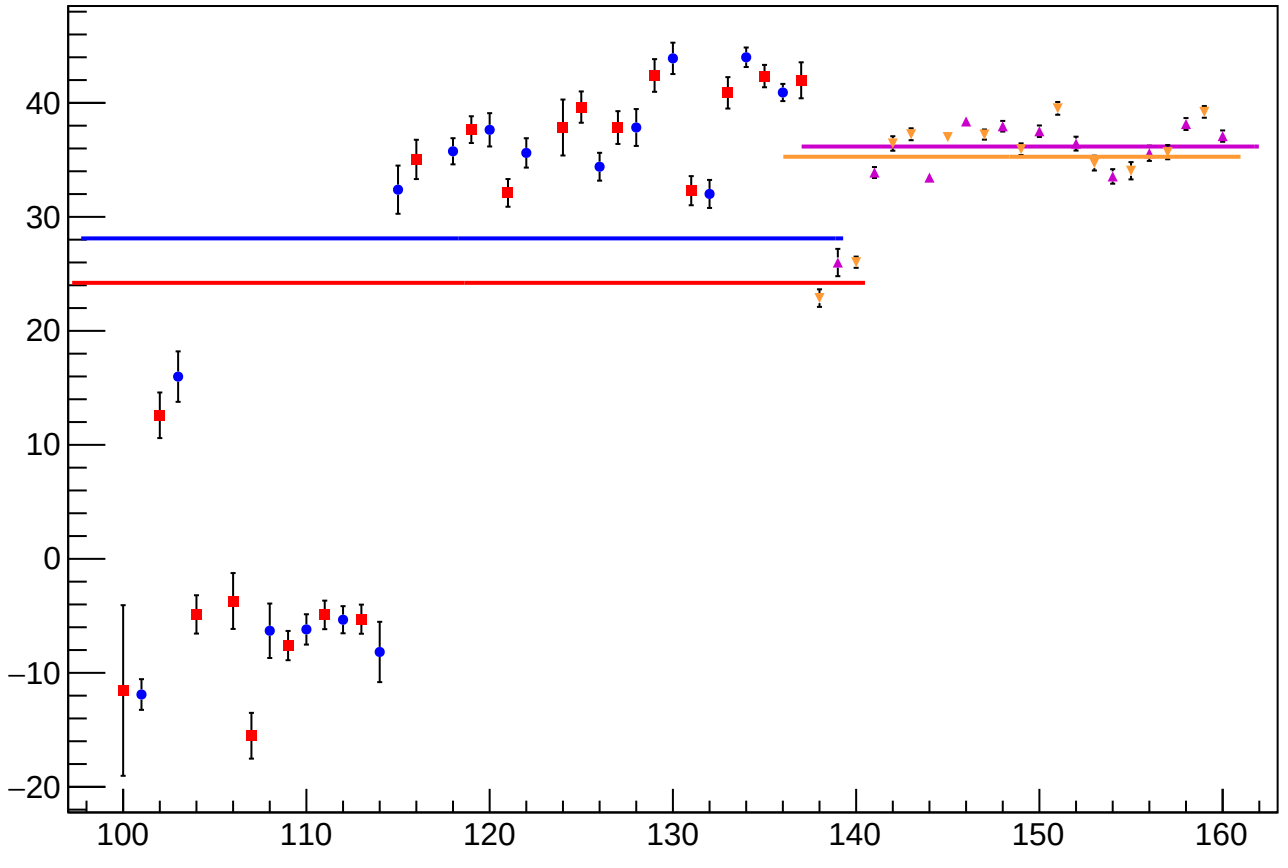
Left: -49.690+/-0.132 χ^2/NDF: 2854.6/22

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.126+/-0.158 χ^2/NDF:3803.7/26

Out: -54.178+/-0.161 χ^2/NDF:3776.2/30

All: -54.151+/-0.113 χ^2/NDF: 7580.0/57



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: 36.170+/-0.152 χ^2/NDF:238.7/10

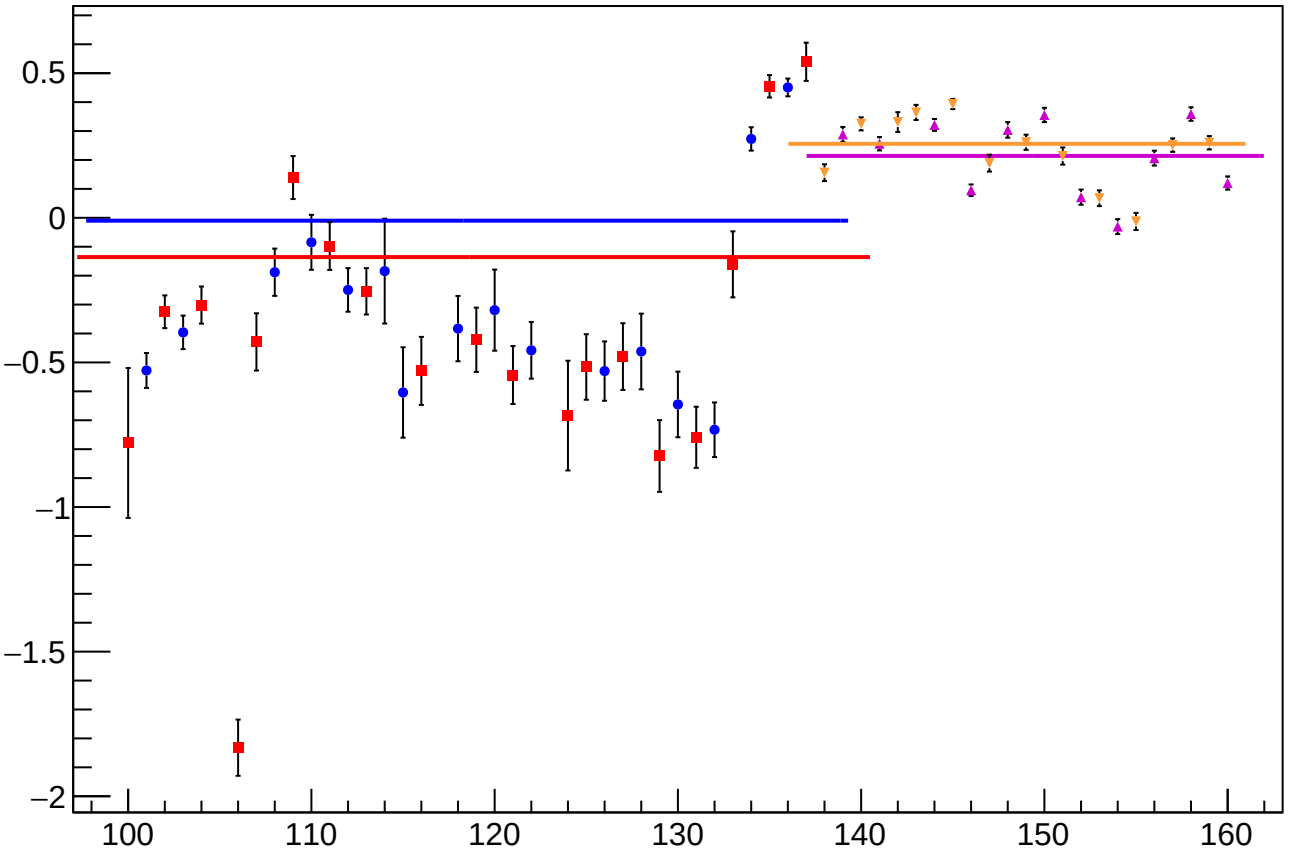
Left: 35.735+/-0.109 χ^2/NDF: 1042.9/22

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.680+/-0.138 χ^2/NDF:4483.4/26

Out: 33.283+/-0.142 χ^2/NDF:5519.9/30

All: 34.005+/-0.099 χ^2/NDF: 10053.1/57



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.256+/-0.007 χ^2/NDF:241.6/11

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.214+/-0.007 χ^2/NDF:291.3/10

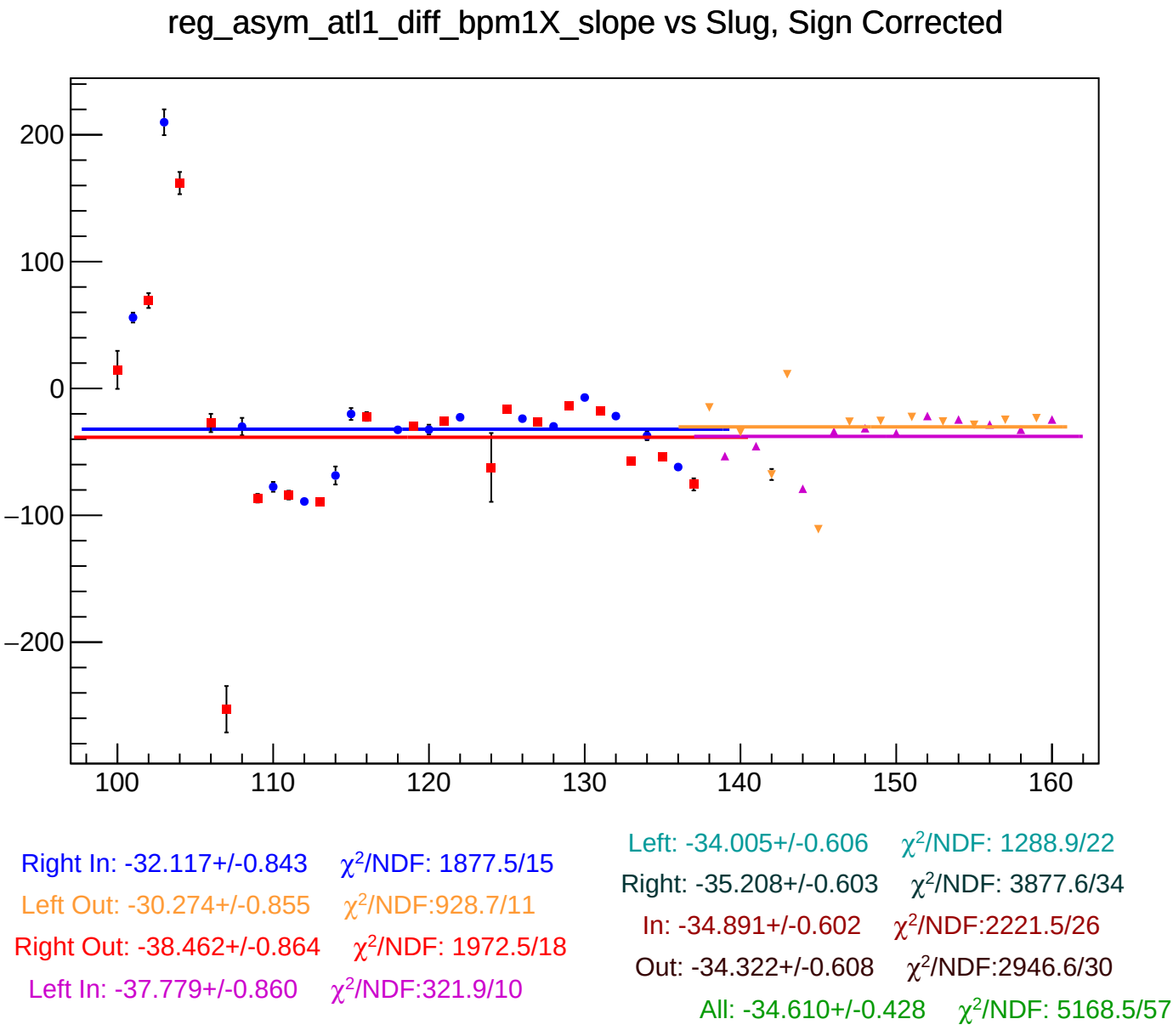
Left: 0.234+/-0.005 χ^2/NDF: 549.5/22

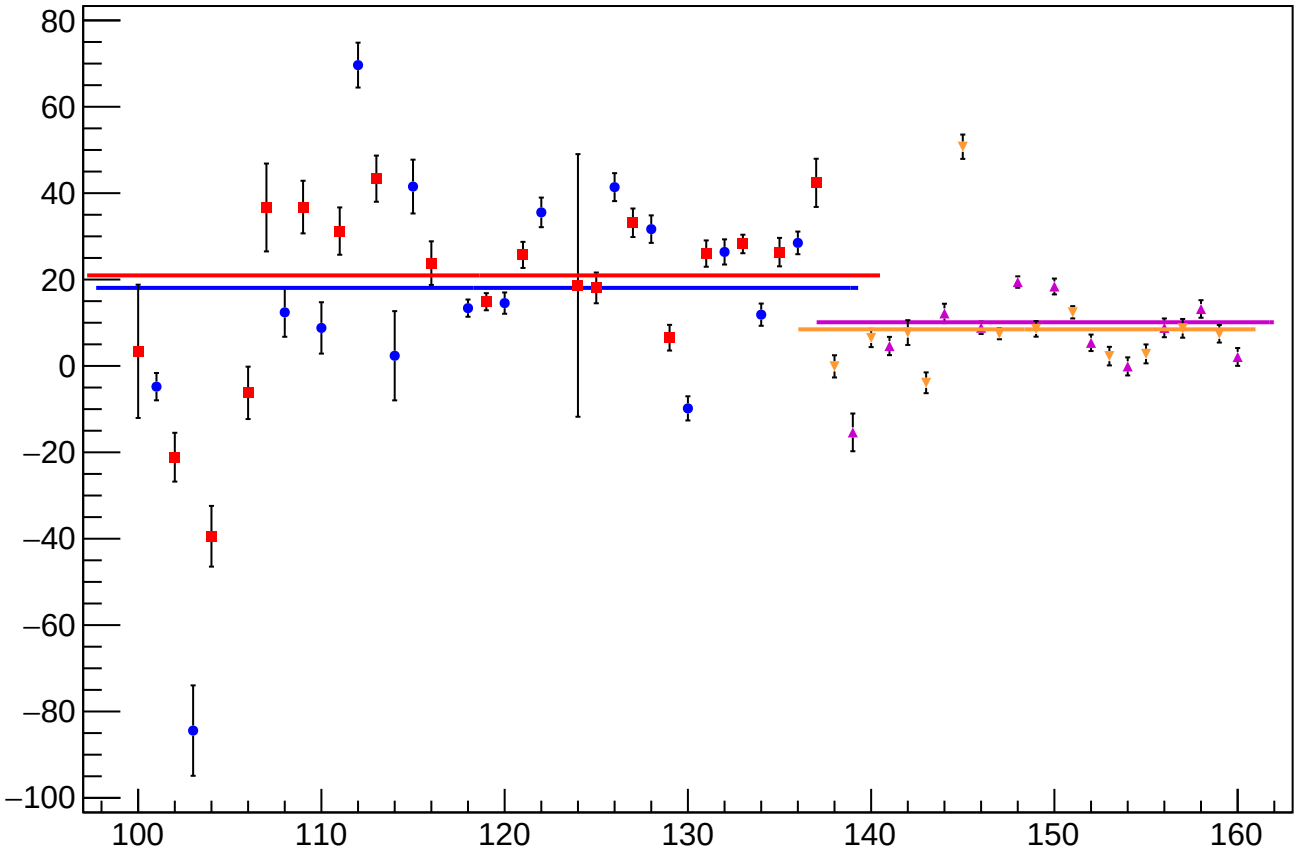
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.181+/-0.007 χ^2/NDF:1021.3/26

Out: 0.204+/-0.007 χ^2/NDF:1435.7/30

All: 0.192+/-0.005 χ^2/NDF: 2462.8/57


reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected
200
100
0
−100
−200
100
110
120
130
140
150
160
Right In: -32.117+/-0.843 χ²/NDF: 1877.5/15
Left Out: -30.274+/-0.855 χ²/NDF:928.7/11
Right Out: -38.462+/-0.864 χ²/NDF: 1972.5/18
Left In: -37.779+/-0.860 χ²/NDF:321.9/10
Left: -34.005+/-0.606 χ²/NDF: 1288.9/22
Right: -35.208+/-0.603 χ²/NDF: 3877.6/34
In: -34.891+/-0.602 χ²/NDF:2221.5/26
Out: -34.322+/-0.608 χ²/NDF:2946.6/30
All: -34.610+/-0.428 χ²/NDF: 5168.5/57



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: 10.113+/-0.577 χ^2/NDF:160.3/10

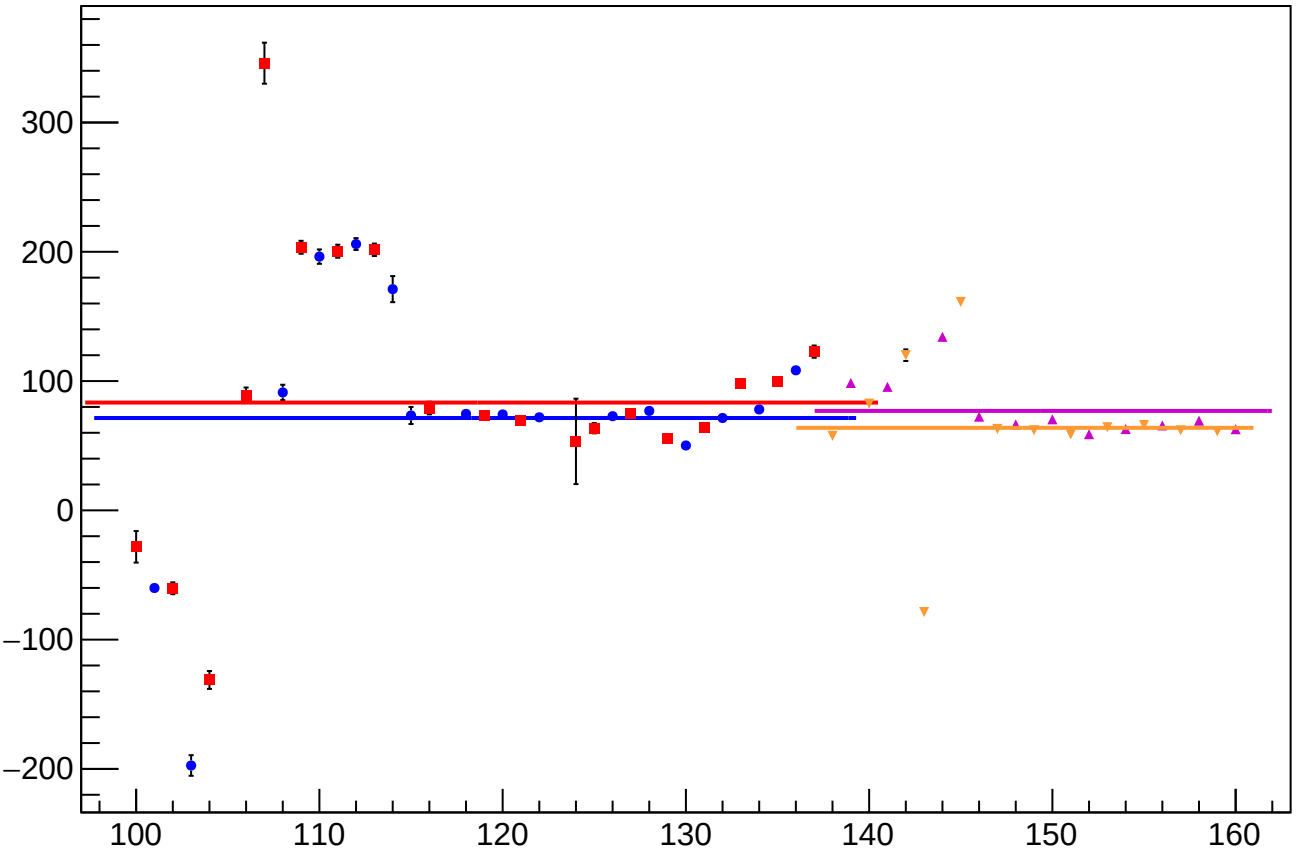
Left: 9.284+/-0.406 χ^2/NDF: 451.8/22

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 12.733+/-0.472 χ^2/NDF:722.6/26

Out: 12.240+/-0.477 χ^2/NDF:694.5/30

All: 12.489+/-0.336 χ^2/NDF: 1417.6/57



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: 76.919+/-0.827 χ^2/NDF:588.1/10

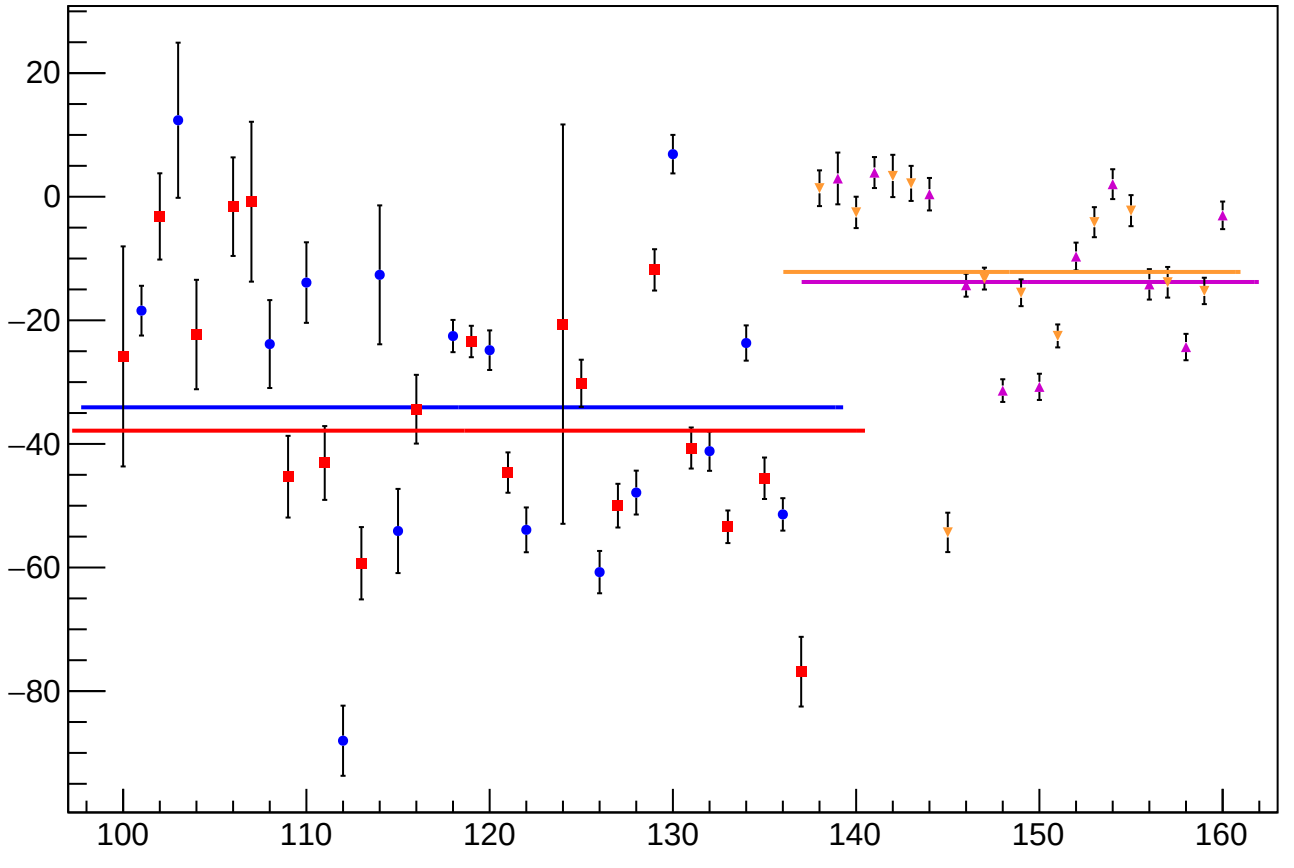
Left: 70.388+/-0.586 χ^2/NDF: 3591.0/22

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 74.493+/-0.618 χ^2/NDF:5427.2/26

Out: 71.937+/-0.634 χ^2/NDF:7406.0/30

All: 73.247+/-0.443 χ^2/NDF: 12841.5/57



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: -13.796+/-0.686 χ^2/NDF:344.8/10

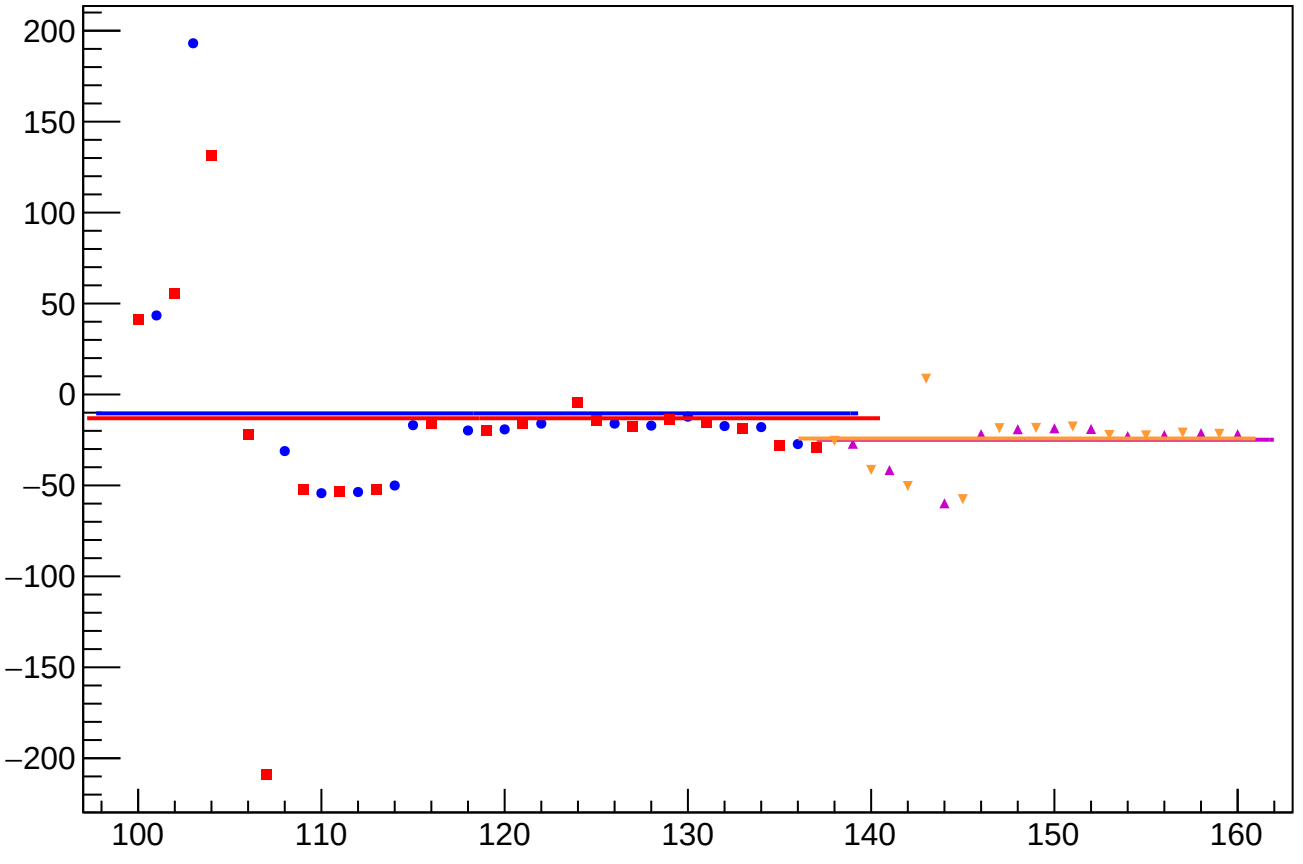
Left: -12.985+/-0.486 χ^2/NDF: 667.8/22

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -20.824+/-0.555 χ^2/NDF:1158.8/26

Out: -20.487+/-0.566 χ^2/NDF:1046.5/30

All: -20.659+/-0.396 χ^2/NDF: 2205.5/57



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: -24.872+/-0.031 χ^2/NDF:96732.3/10

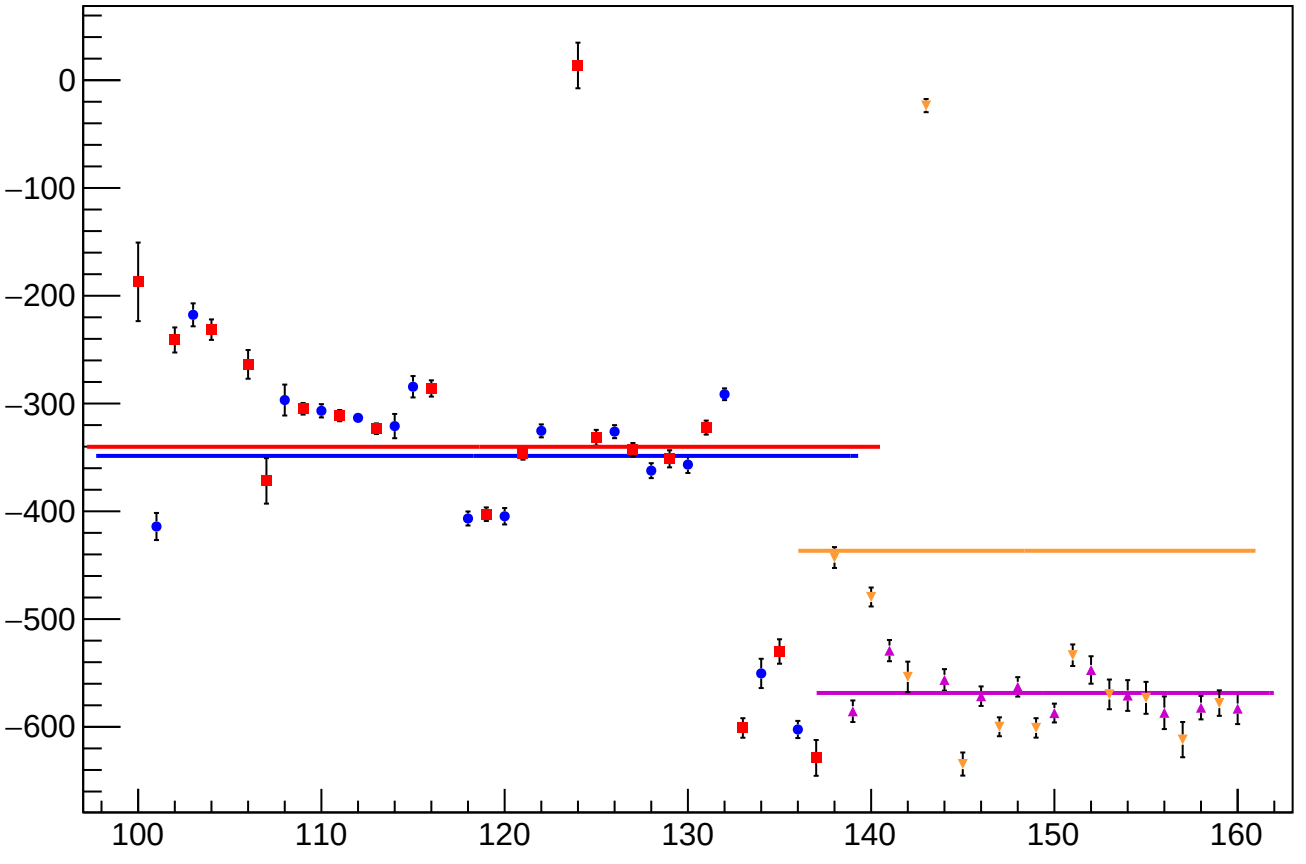
Left: -24.550+/-0.022 χ^2/NDF: 273741.2/22

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.563+/-0.027 χ^2/NDF:669103.8/26

Out: -21.944+/-0.028 χ^2/NDF:651597.3/30

All: -21.746+/-0.020 χ^2/NDF: 1320795.7/57



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: -568.540+/-3.217 χ^2/NDF:32.2/10

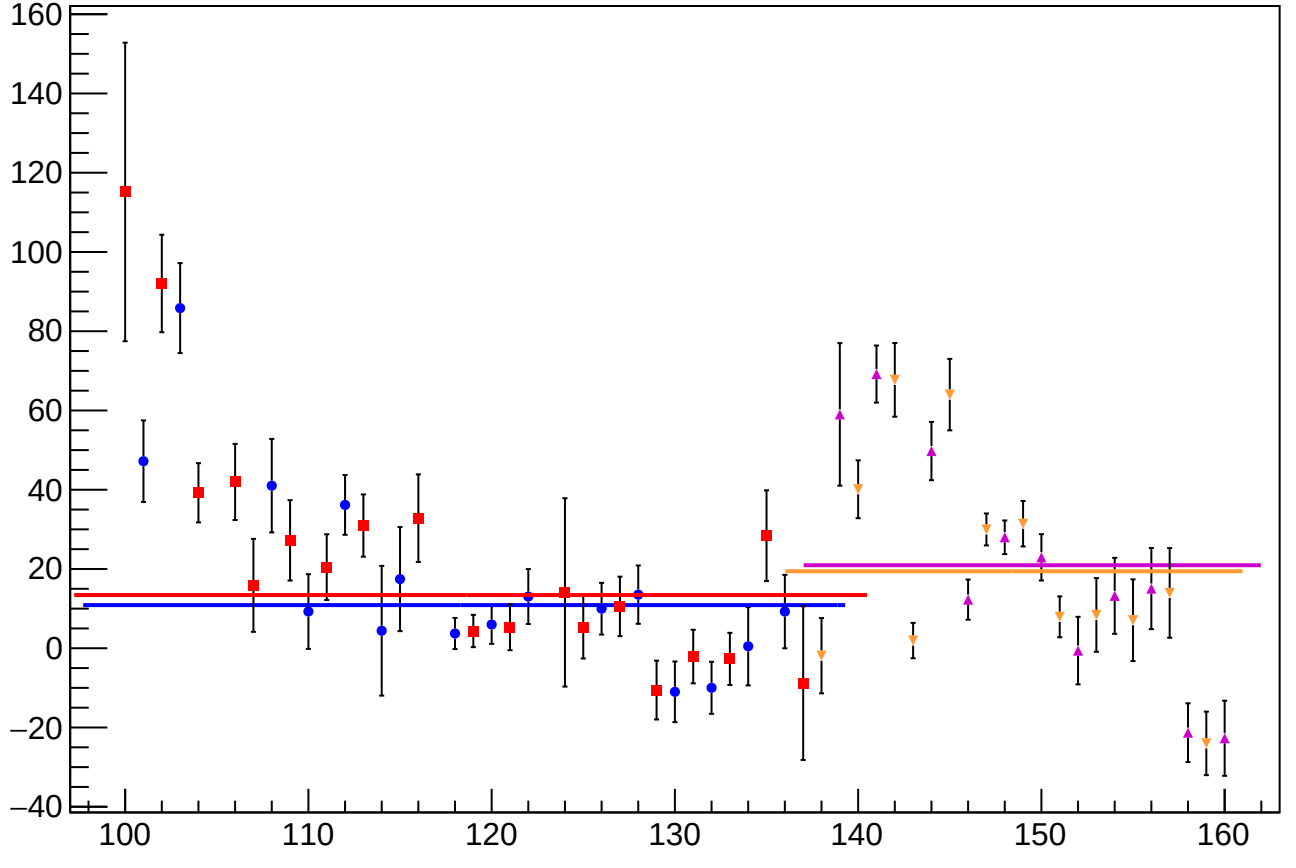
Left: -495.470+/-2.149 χ^2/NDF: 7157.5/22

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -402.124+/-1.587 χ^2/NDF:5427.5/26

Out: -366.262+/-1.502 χ^2/NDF:9204.7/30

All: -383.211+/-1.091 χ^2/NDF: 14901.5/57



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: 20.952+/-2.094 χ^2/NDF:131.6/10

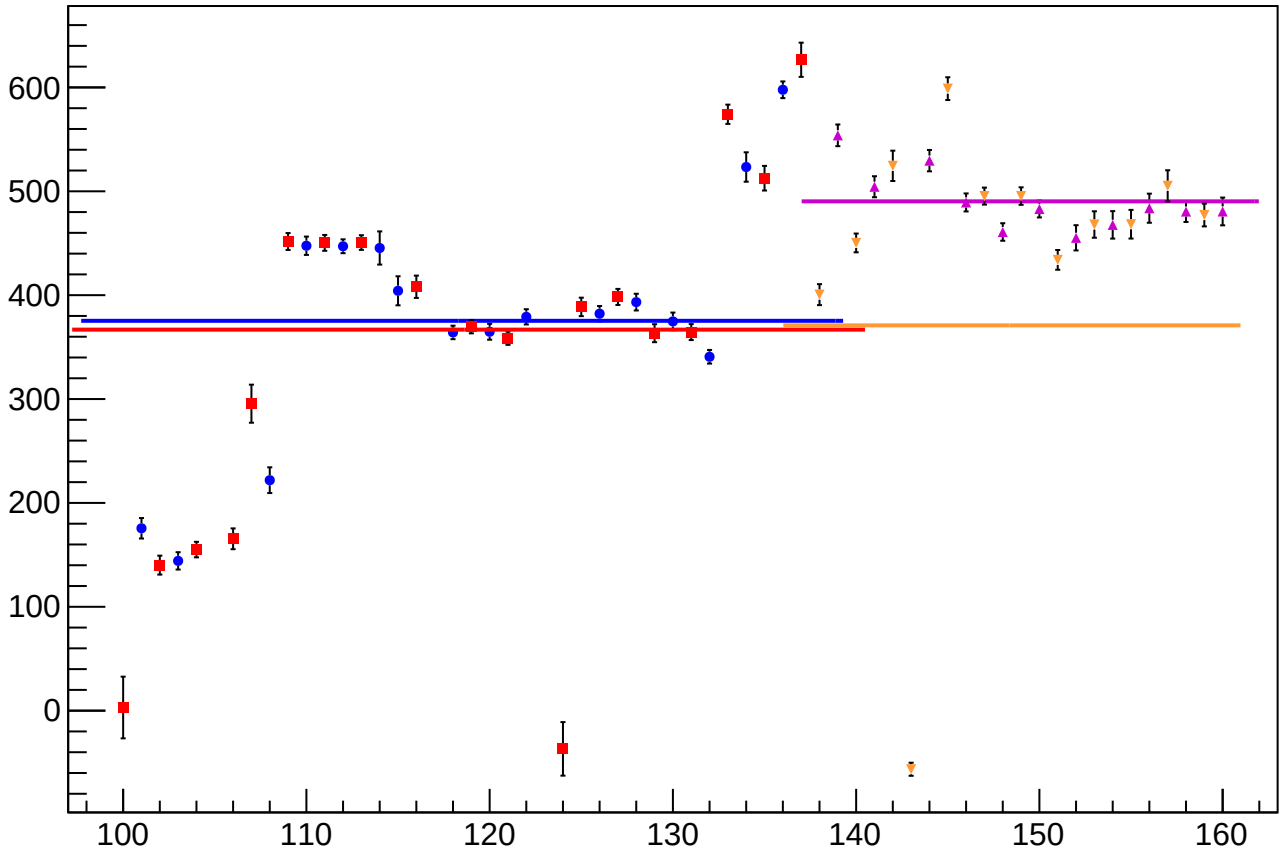
Left: 20.119+/-1.406 χ^2/NDF: 260.3/22

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 15.281+/-1.383 χ^2/NDF:242.8/26

Out: 16.362+/-1.326 χ^2/NDF:246.0/30

All: 15.844+/-0.957 χ^2/NDF: 489.2/57



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: 490.329+/-3.101 χ^2/NDF:79.6/10

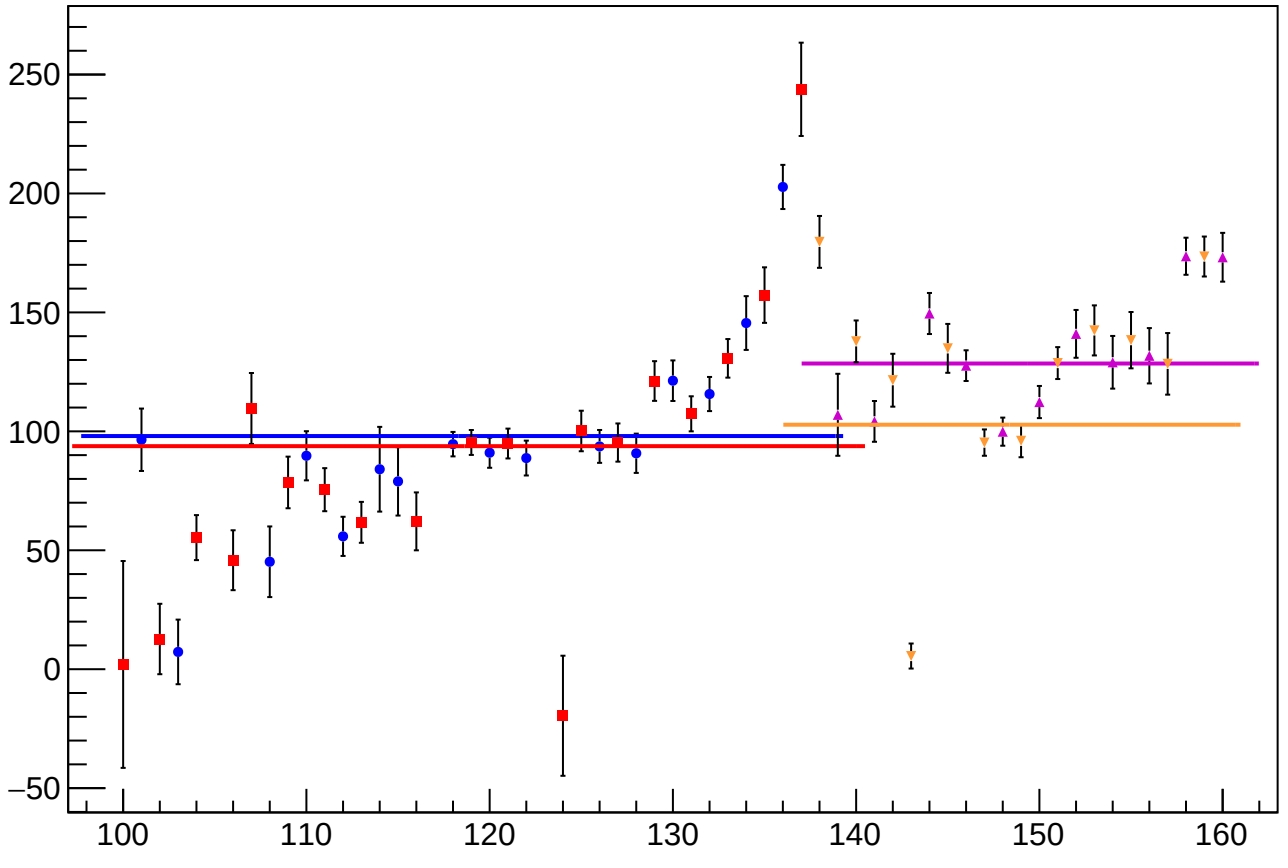
Left: 425.253+/-2.092 χ^2/NDF: 6897.5/22

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.539+/-1.740 χ^2/NDF:3471.1/26

Out: 368.239+/-1.661 χ^2/NDF:9552.6/30

All: 388.873+/-1.201 χ^2/NDF: 13347.7/57



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: 128.514+/-2.529 χ^2/NDF:98.9/10

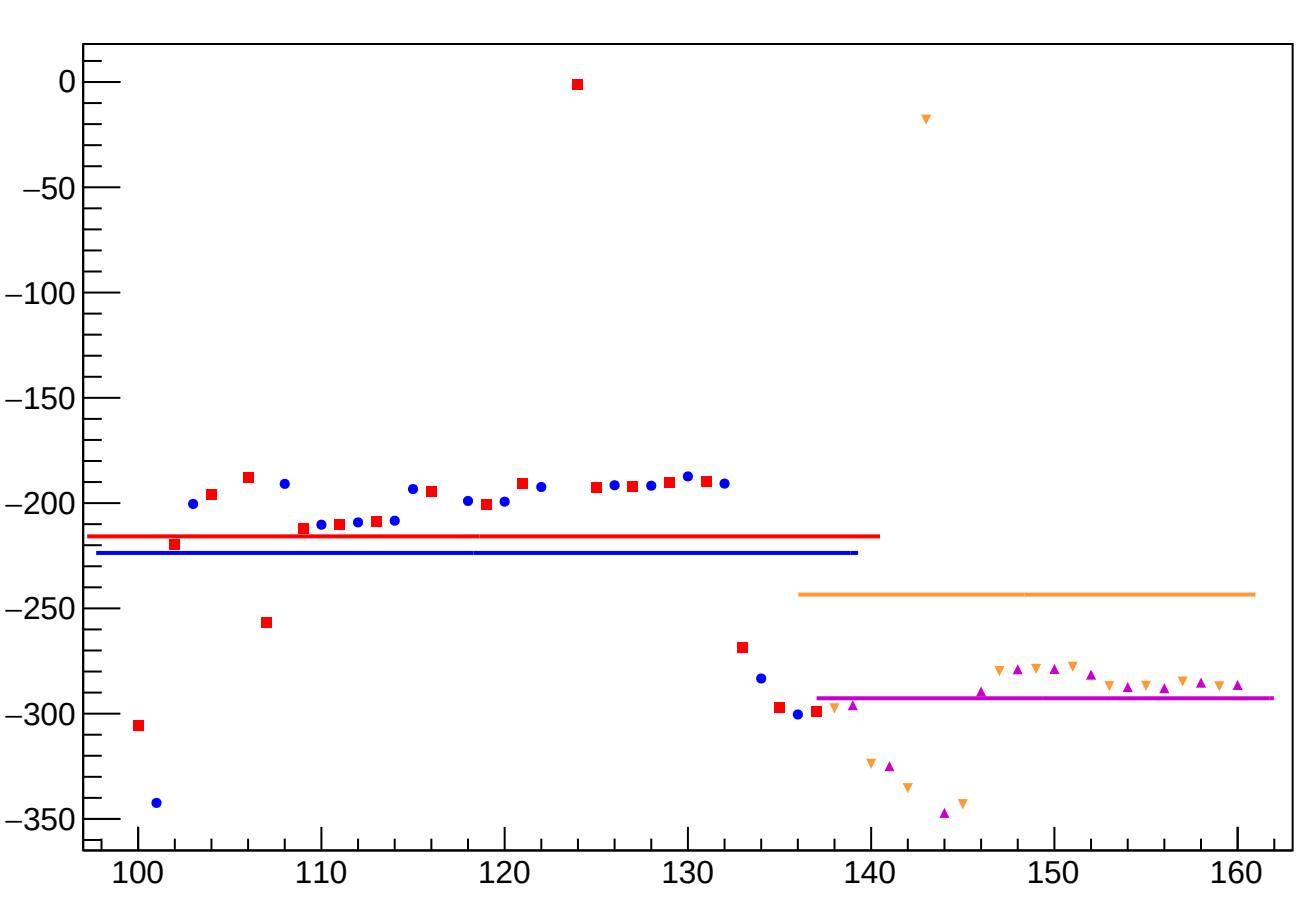
Left: 114.493+/-1.706 χ^2/NDF: 690.6/22

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 110.772+/-1.636 χ^2/NDF:432.9/26

Out: 97.931+/-1.570 χ^2/NDF:780.7/30

All: 104.087+/-1.132 χ^2/NDF: 1245.7/57



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: -292.698+/-0.119 χ^2/NDF:25110.8/10

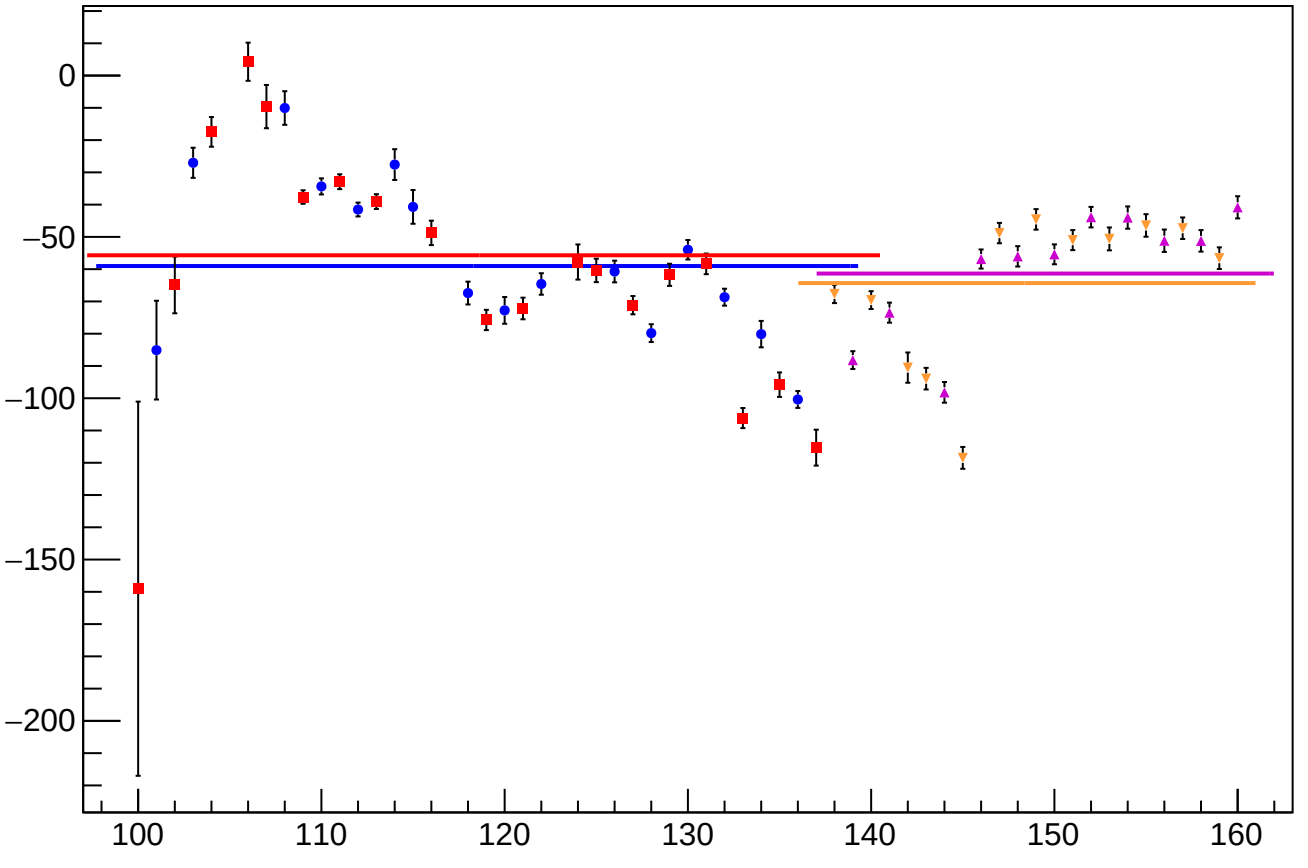
Left: -266.770+/-0.082 χ^2/NDF: 1060656.8/22

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -263.307+/-0.090 χ^2/NDF:289738.8/26

Out: -231.996+/-0.086 χ^2/NDF:1051836.1/30

All: -246.978+/-0.062 χ^2/NDF: 1404371.9/57



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: -61.358+/-0.957 χ^2/NDF:359.3/10

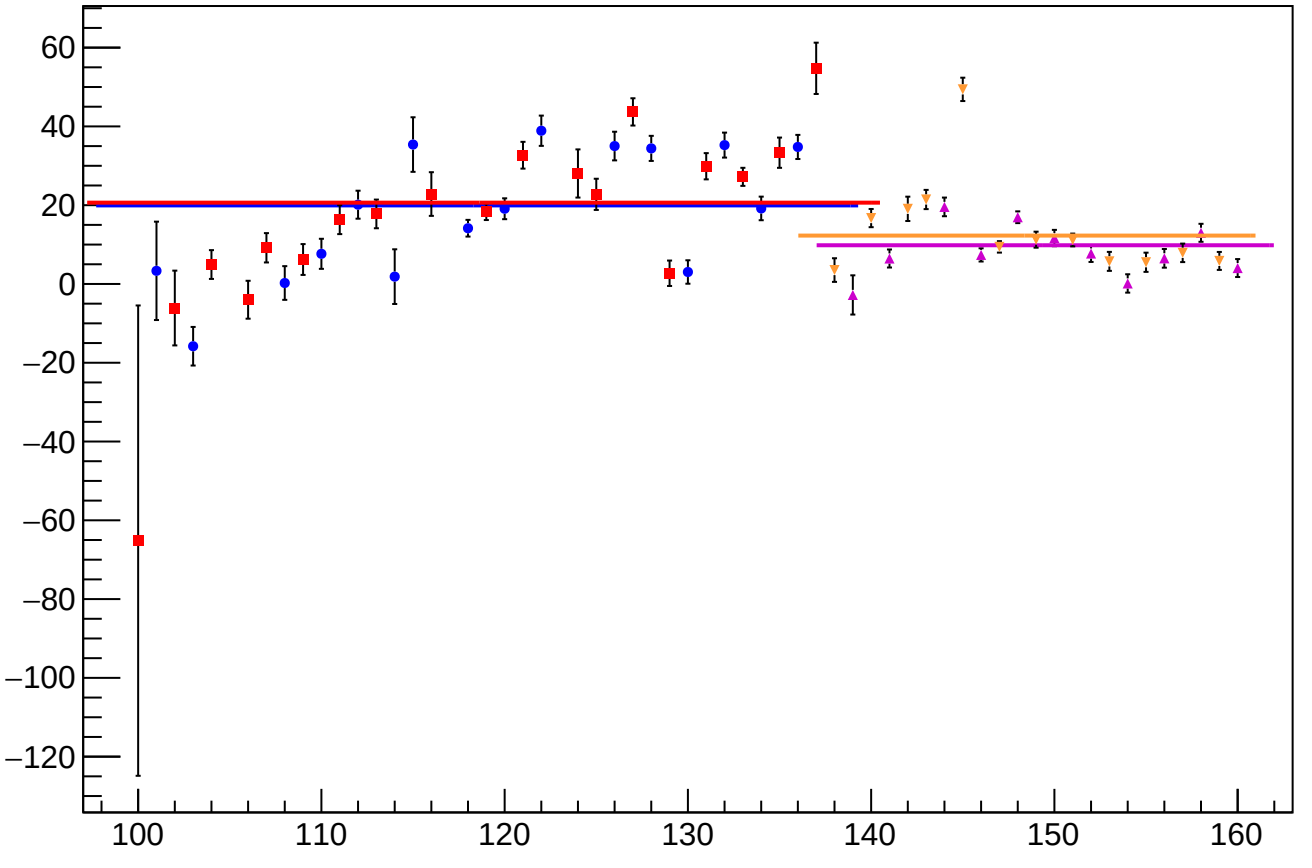
Left: -62.857+/-0.673 χ^2/NDF: 887.6/22

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -60.028+/-0.627 χ^2/NDF:1090.0/26

Out: -59.245+/-0.606 χ^2/NDF:1613.5/30

All: -59.623+/-0.436 χ^2/NDF: 2704.3/57



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: 9.827+/-0.644 χ^2/NDF:79.7/10

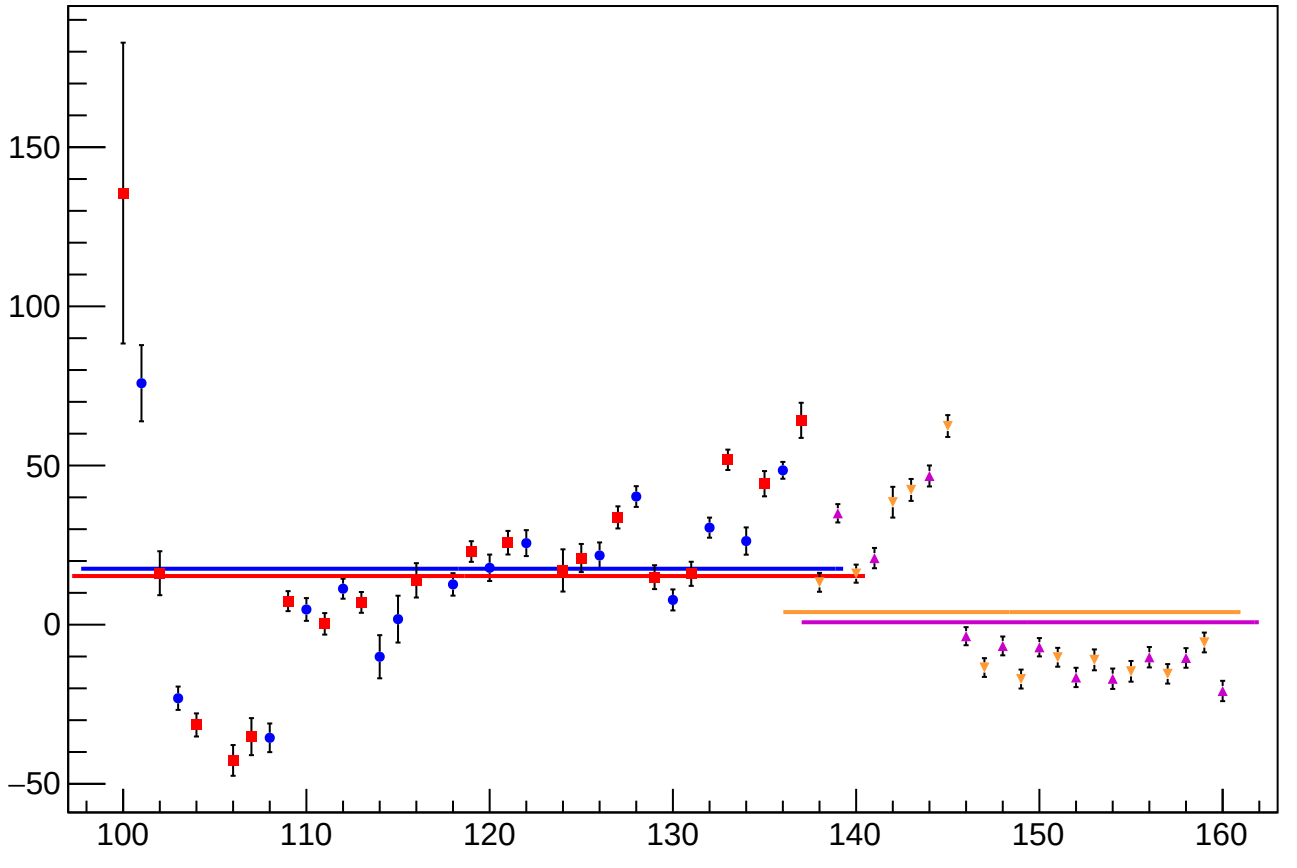
Left: 11.076+/-0.452 χ^2/NDF: 306.2/22

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.423+/-0.517 χ^2/NDF:414.6/26

Out: 15.295+/-0.506 χ^2/NDF:506.6/30

All: 14.378+/-0.362 χ^2/NDF: 927.9/57



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: 0.760+/-0.922 χ^2/NDF:525.5/10

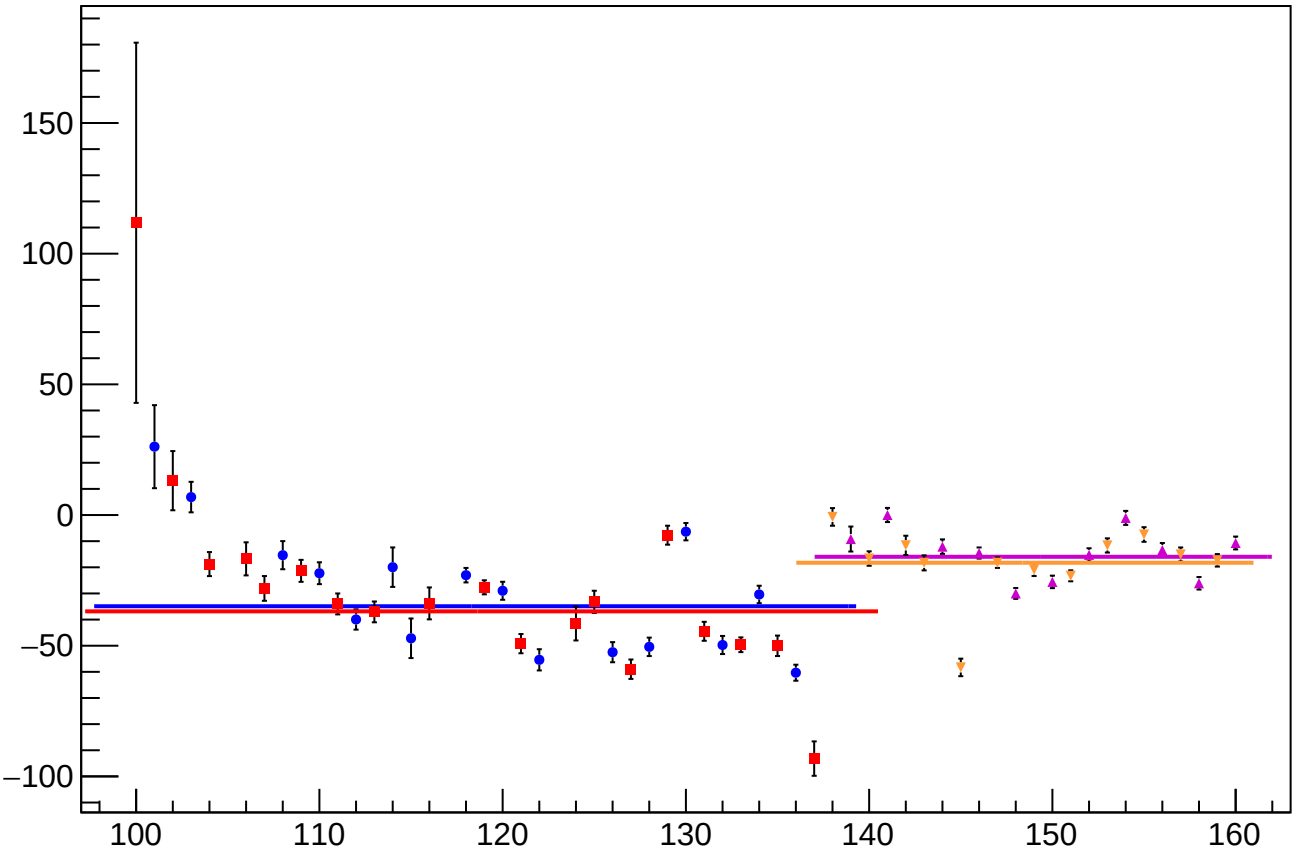
Left: 2.367+/-0.650 χ^2/NDF: 1235.4/22

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 8.856+/-0.664 χ^2/NDF:1231.9/26

Out: 9.517+/-0.654 χ^2/NDF:1508.8/30

All: 9.191+/-0.466 χ^2/NDF: 2741.2/57



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: -15.977+/-0.765 χ^2/NDF:155.0/10

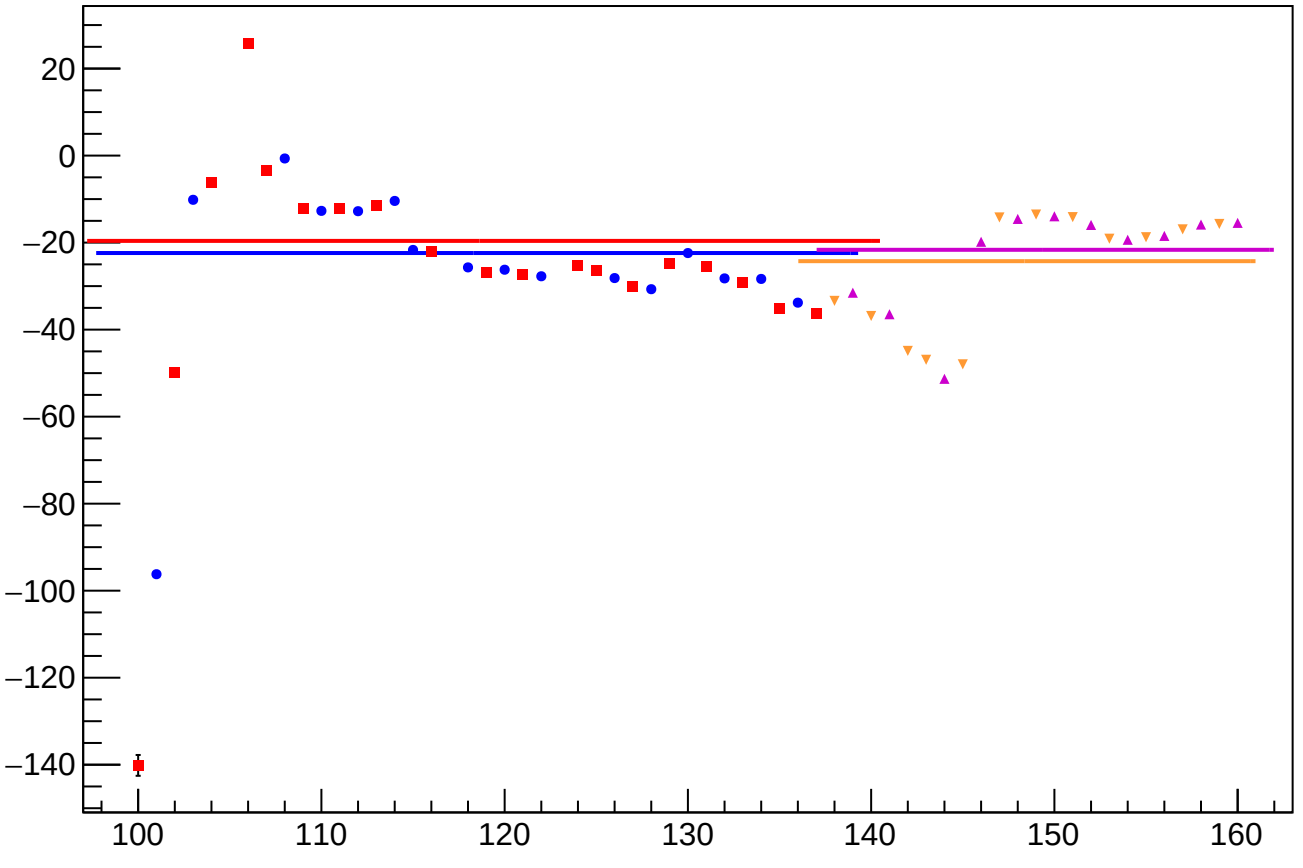
Left: -17.122+/-0.540 χ^2/NDF: 361.8/22

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -23.048+/-0.605 χ^2/NDF:730.3/26

Out: -25.355+/-0.599 χ^2/NDF:731.2/30

All: -24.214+/-0.426 χ^2/NDF: 1468.9/57



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: -21.654+/-0.034 χ^2/NDF:80746.7/10

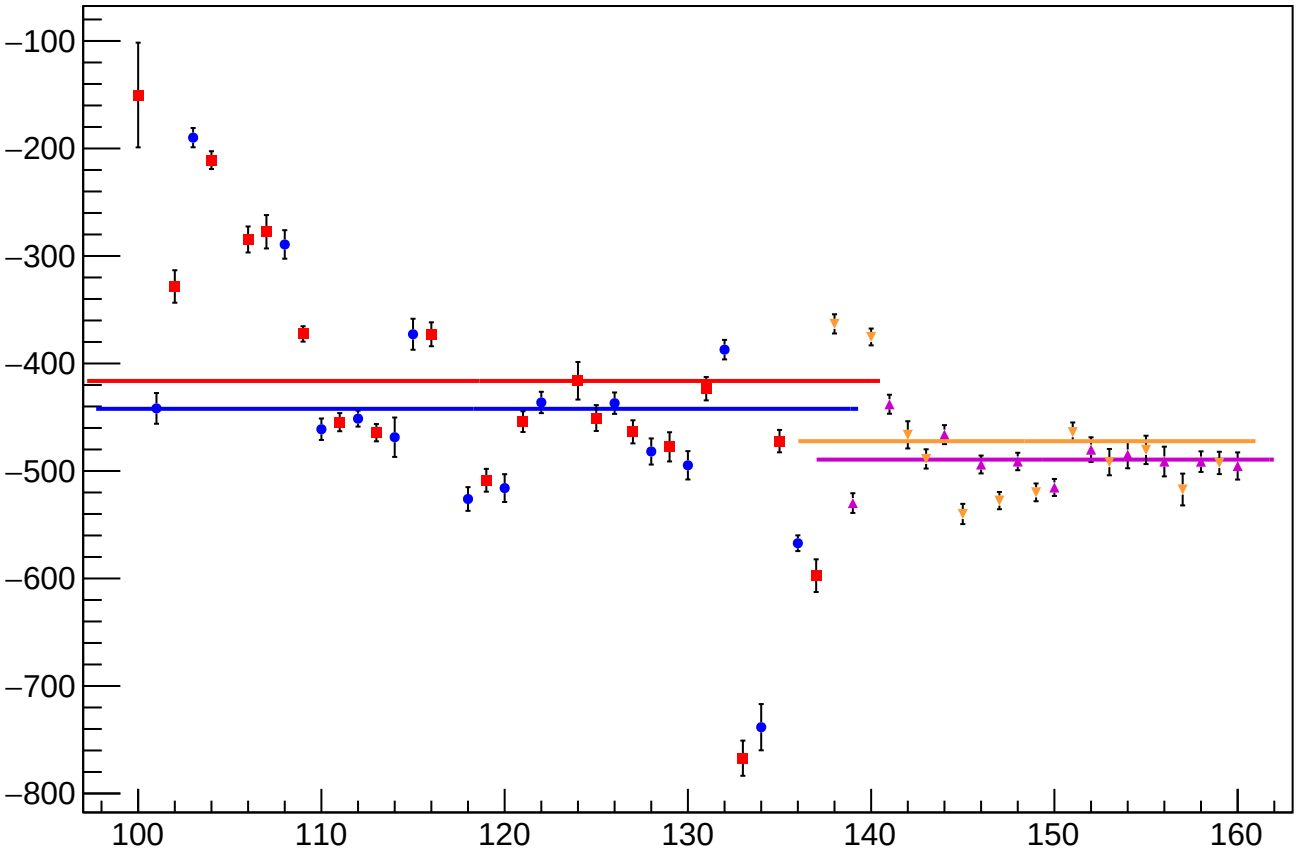
Left: -22.939+/-0.025 χ^2/NDF: 203720.8/22

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.845+/-0.030 χ^2/NDF:127385.9/26

Out: -23.065+/-0.030 χ^2/NDF:208576.7/30

All: -22.444+/-0.021 χ^2/NDF: 336792.0/57



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: -489.420+/-2.895 χ^2/NDF:72.4/10

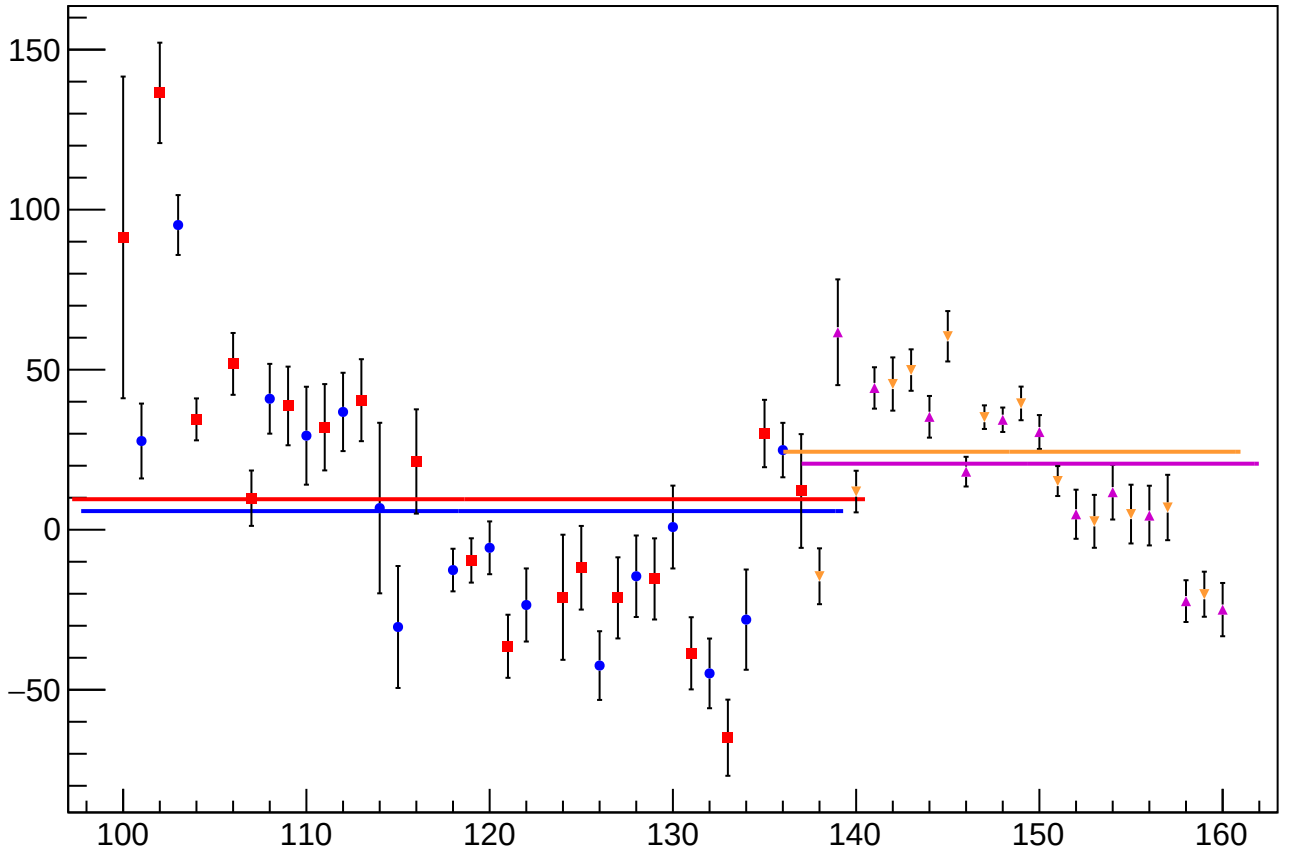
Left: -480.576+/-2.013 χ^2/NDF: 546.0/22

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -463.998+/-1.967 χ^2/NDF:1804.7/26

Out: -441.357+/-1.874 χ^2/NDF:2430.5/30

All: -452.130+/-1.357 χ^2/NDF: 4304.6/57



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: 20.633+/-1.883 χ^2/NDF:123.0/10

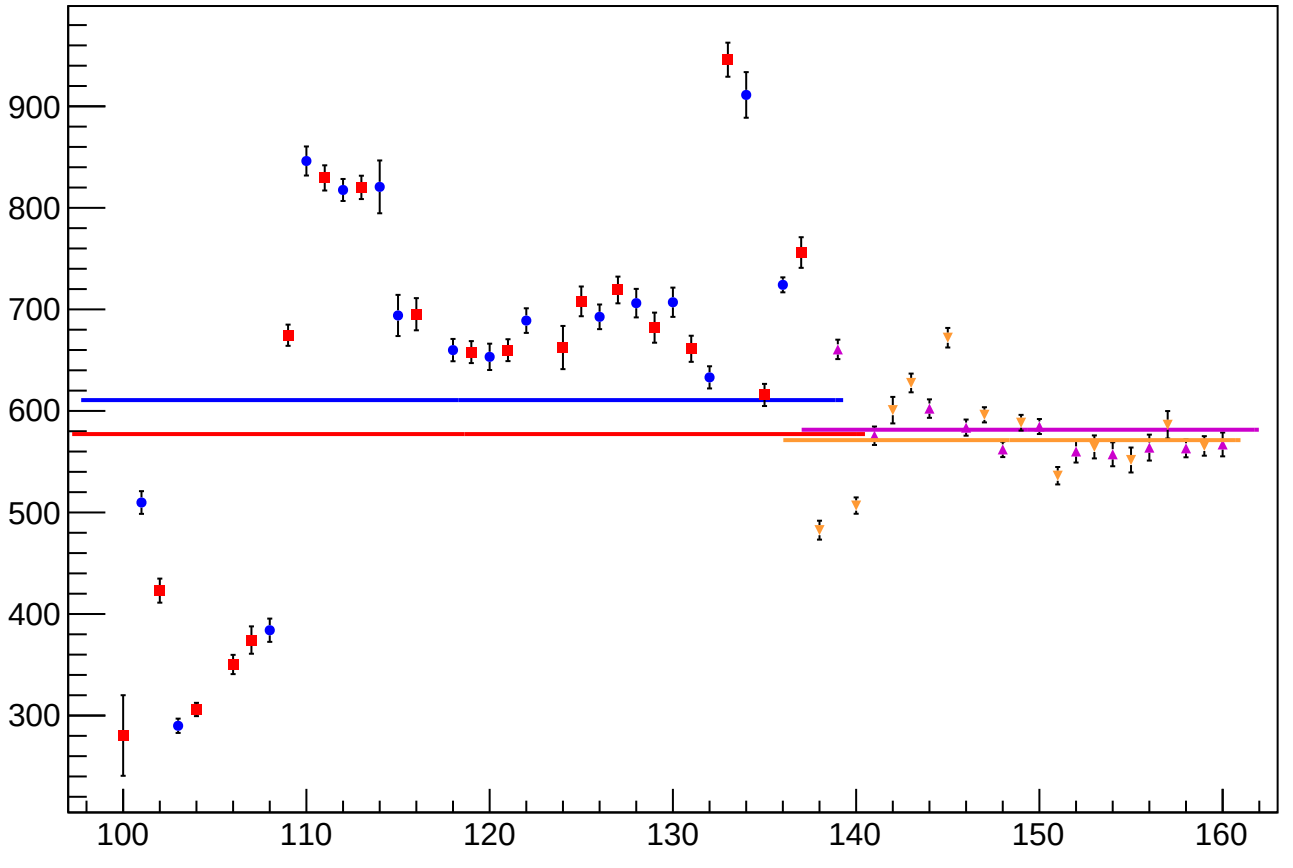
Left: 22.567+/-1.307 χ^2/NDF: 266.6/22

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 15.854+/-1.550 χ^2/NDF:331.1/26

Out: 19.391+/-1.481 χ^2/NDF:386.1/30

All: 17.703+/-1.071 χ^2/NDF: 719.8/57



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: 581.479+/-2.790 χ^2/NDF:96.6/10

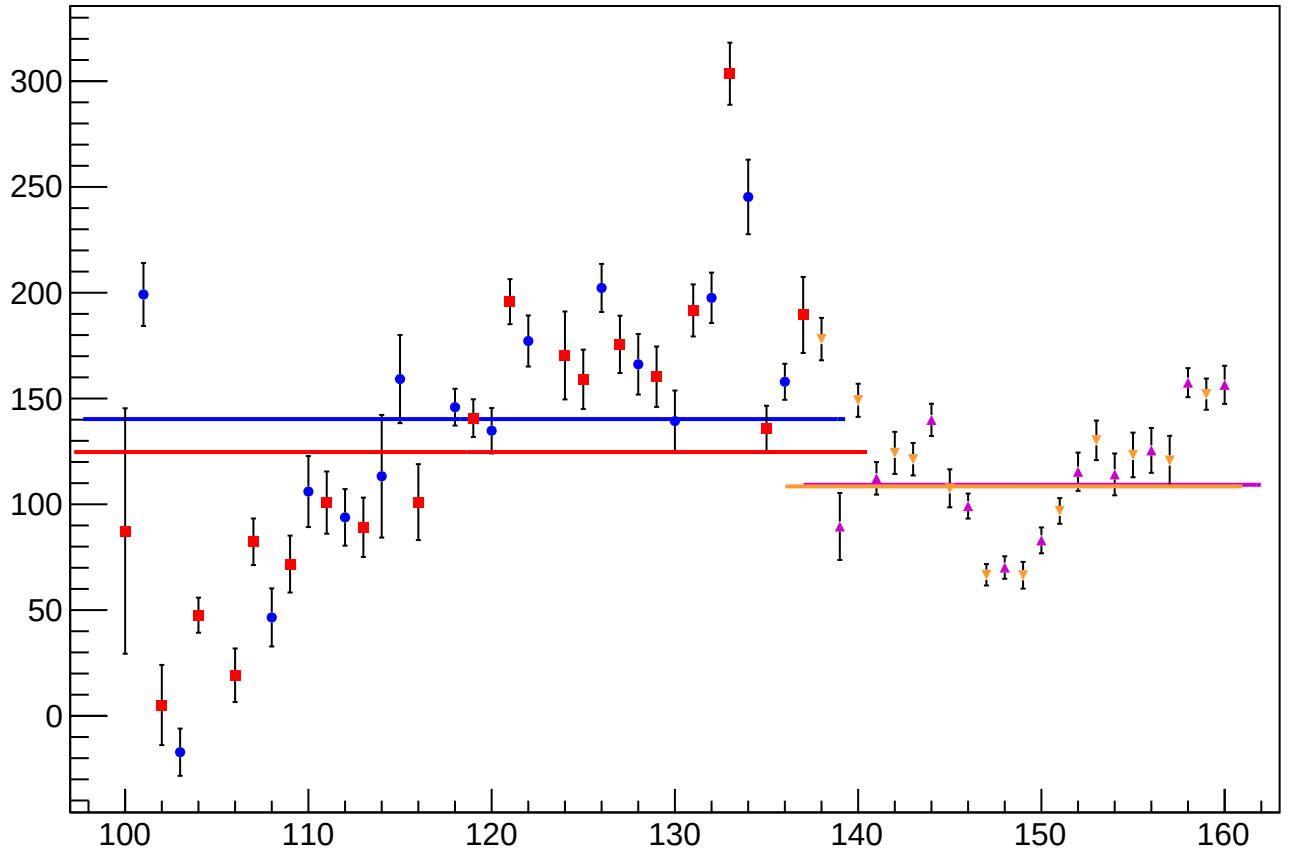
Left: 576.248+/-1.951 χ^2/NDF: 447.5/22

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 595.548+/-2.008 χ^2/NDF:4041.9/26

Out: 574.196+/-1.939 χ^2/NDF:5146.6/30

All: 584.498+/-1.395 χ^2/NDF: 9247.1/57



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: 109.236+/-2.273 χ^2/NDF:173.4/10

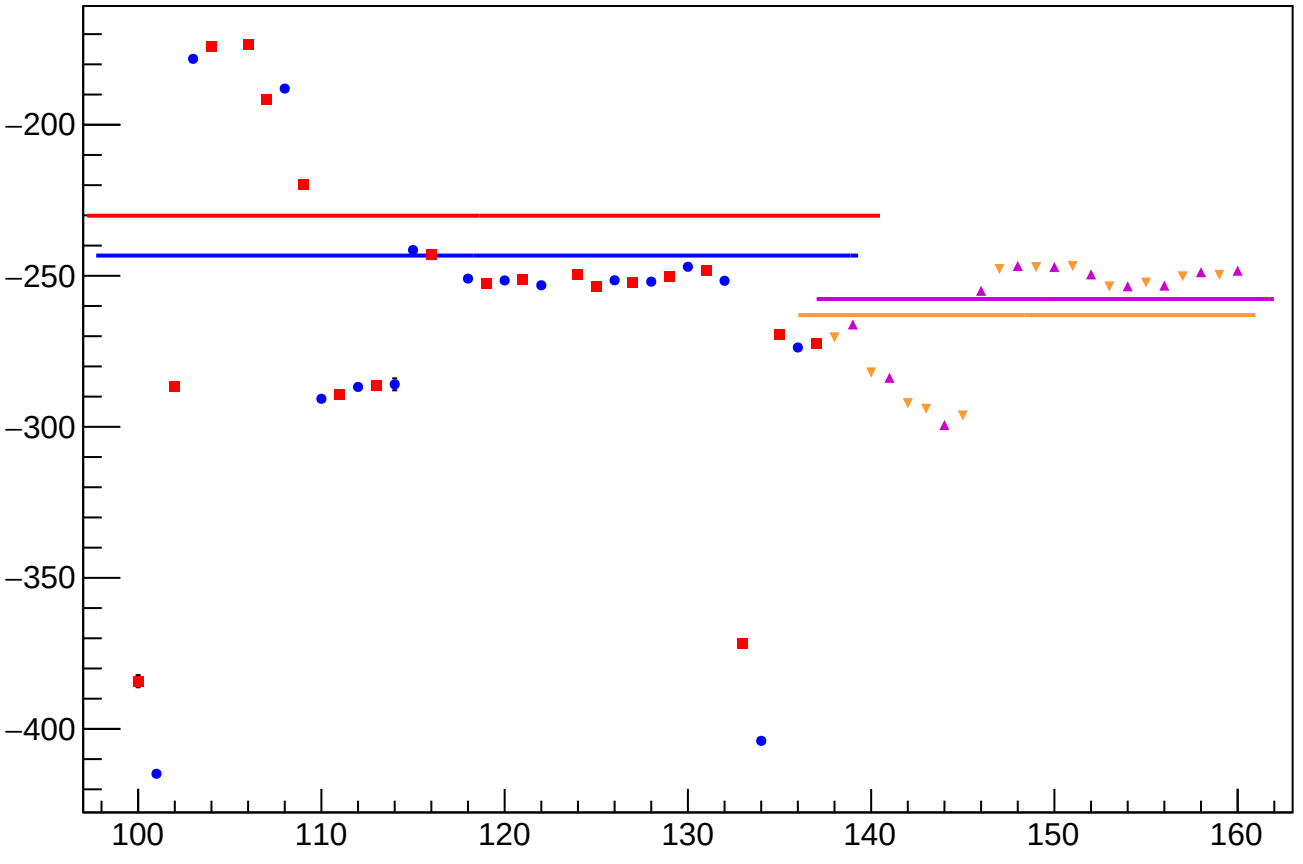
Left: 108.846+/-1.588 χ^2/NDF: 413.5/22

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 119.857+/-1.843 χ^2/NDF:622.6/26

Out: 114.263+/-1.779 χ^2/NDF:767.7/30

All: 116.961+/-1.280 χ^2/NDF: 1395.0/57



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: -257.689+/-0.107 χ^2/NDF:20596.7/10

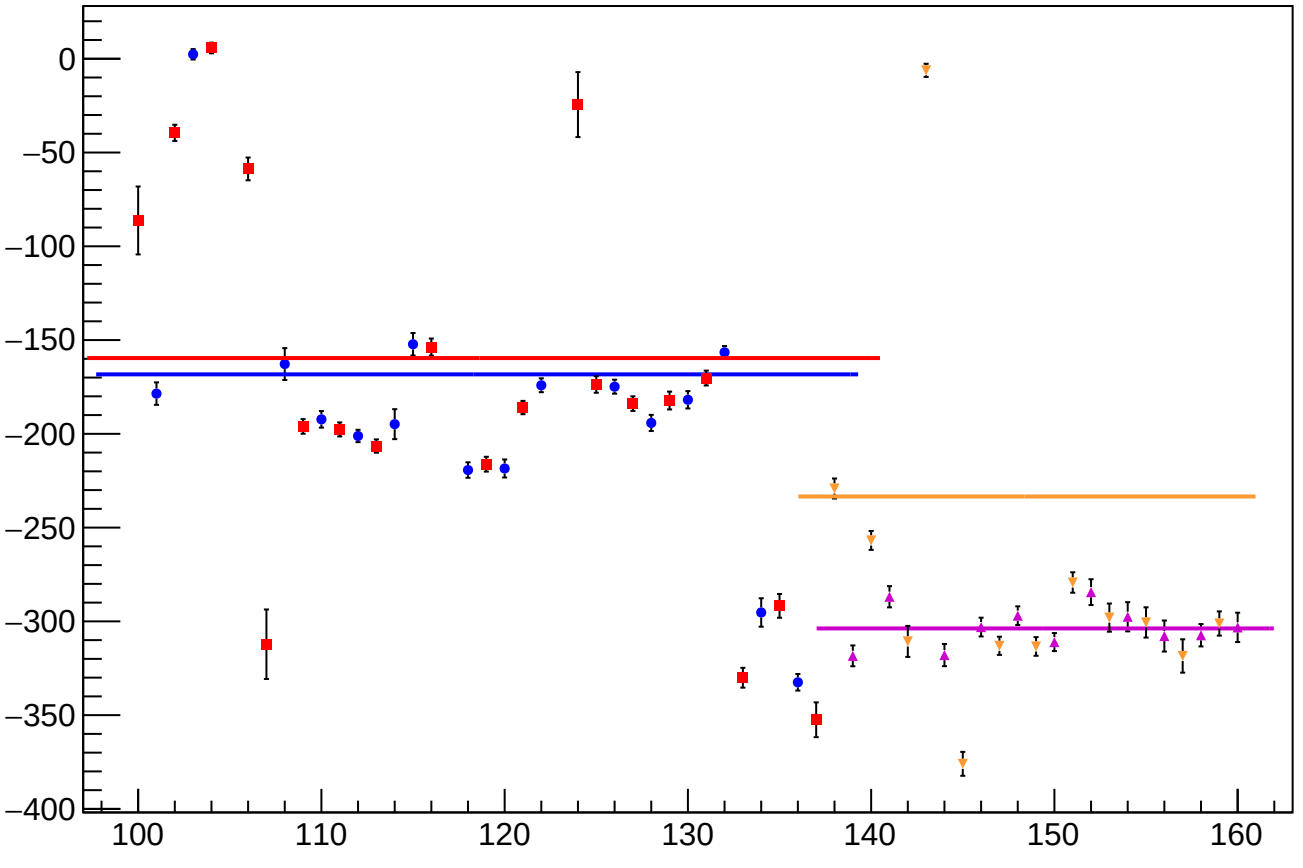
Left: -260.327+/-0.076 χ^2/NDF: 52506.8/22

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -253.335+/-0.089 χ^2/NDF:199544.7/26

Out: -252.467+/-0.089 χ^2/NDF:162843.8/30

All: -252.900+/-0.063 χ^2/NDF: 362435.8/57



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: -303.770+/-1.789 χ^2/NDF:34.9/10

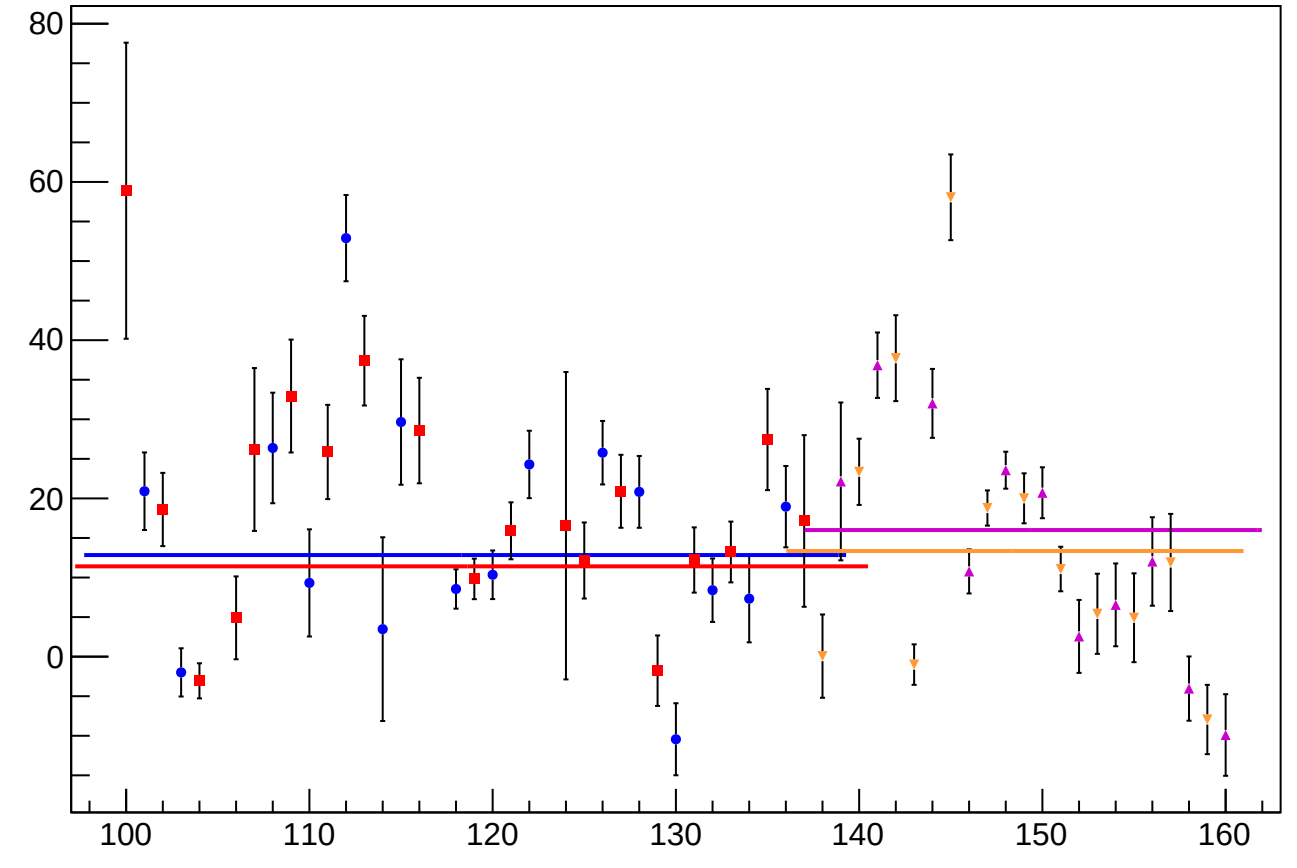
Left: -265.113+/-1.201 χ^2/NDF: 6630.6/22

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -204.282+/-0.922 χ^2/NDF:10156.0/26

Out: -181.214+/-0.877 χ^2/NDF:14411.4/30

All: -192.167+/-0.635 χ^2/NDF: 24896.3/57



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: 15.999+/-1.160 χ^2/NDF:117.3/10

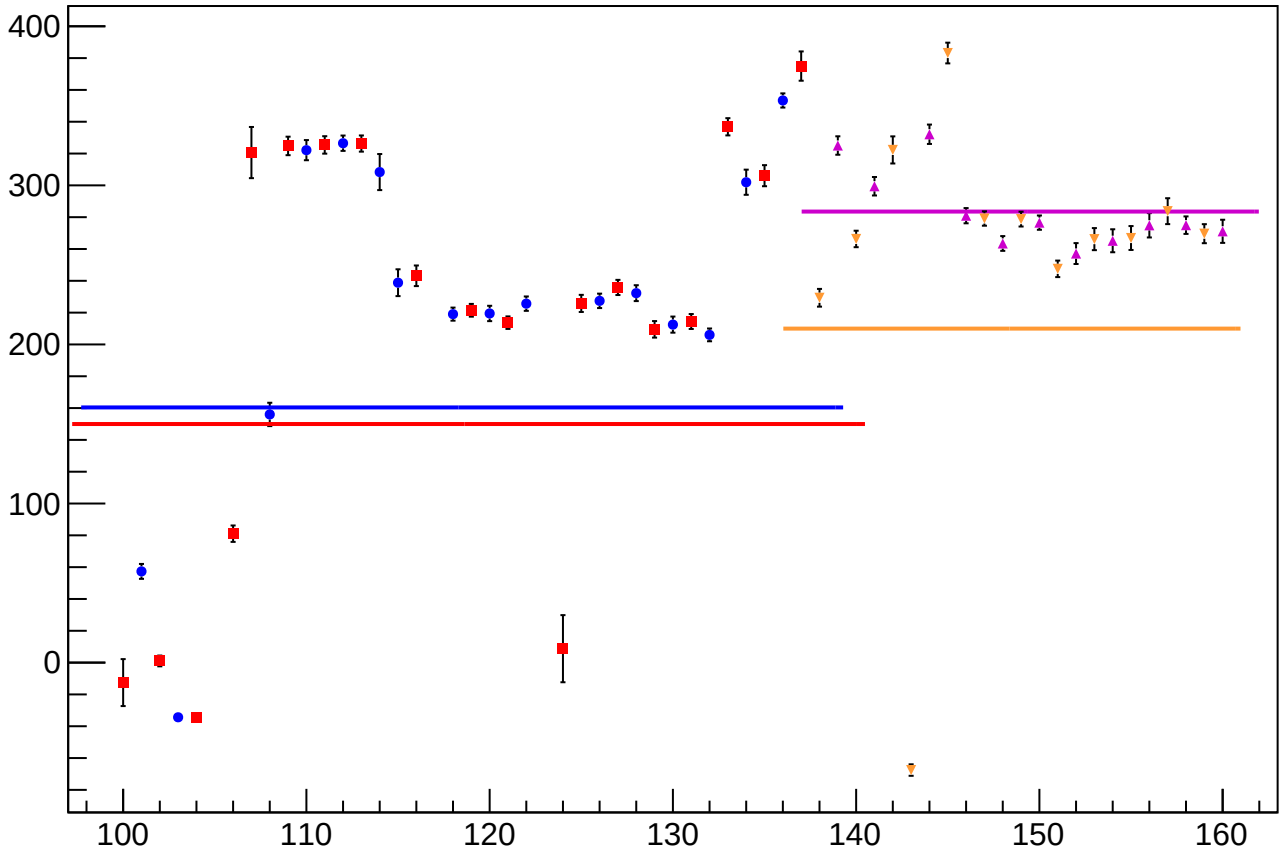
Left: 14.557+/-0.782 χ^2/NDF: 291.4/22

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.303+/-0.789 χ^2/NDF:265.0/26

Out: 12.362+/-0.740 χ^2/NDF:292.6/30

All: 13.271+/-0.540 χ^2/NDF: 560.8/57



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: 283.528+/-1.721 χ^2/NDF:173.1/10

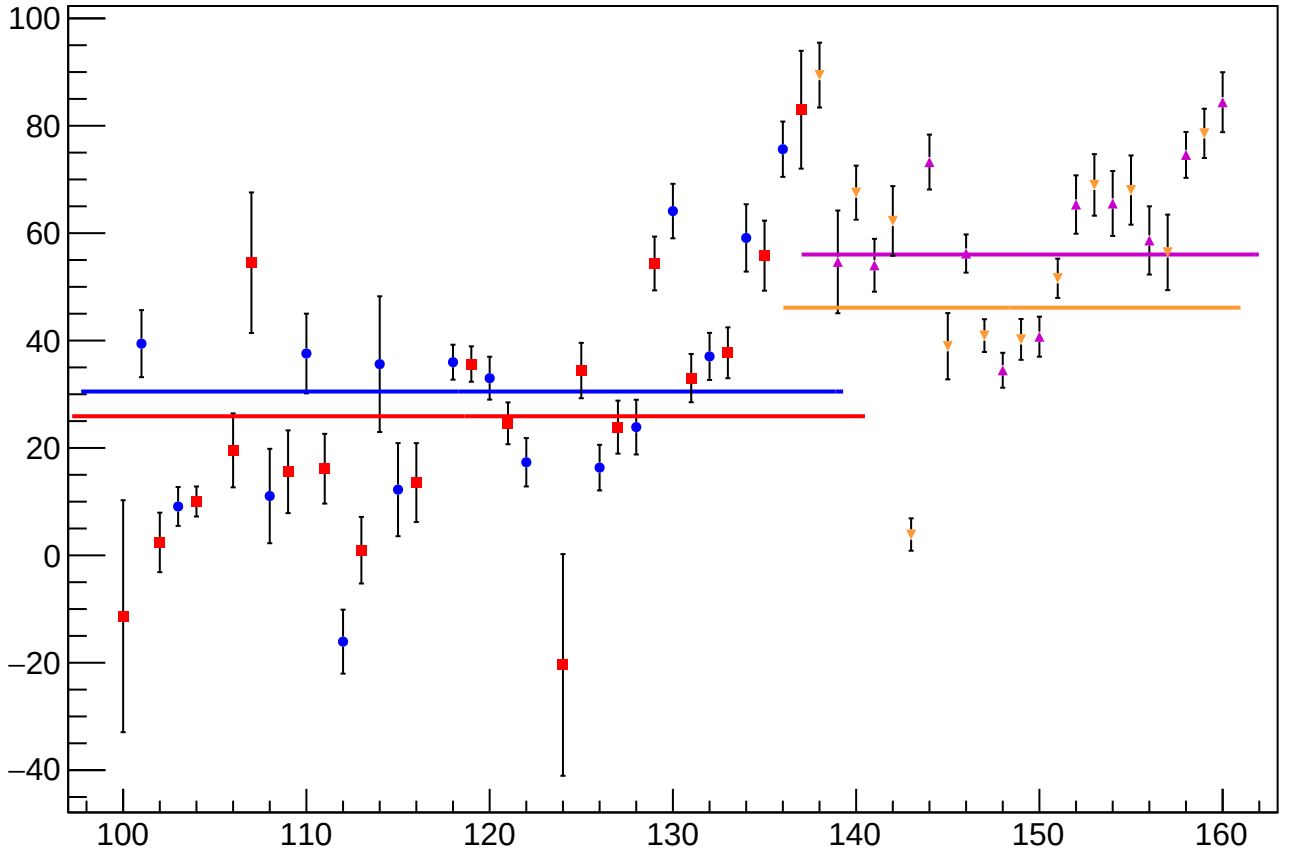
Left: 243.735+/-1.166 χ^2/NDF: 8894.8/22

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 197.900+/-0.950 χ^2/NDF:17681.1/26

Out: 169.618+/-0.908 χ^2/NDF:24960.6/30

All: 183.115+/-0.656 χ^2/NDF: 43105.2/57



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: 56.024+/-1.401 χ^2/NDF:122.7/10

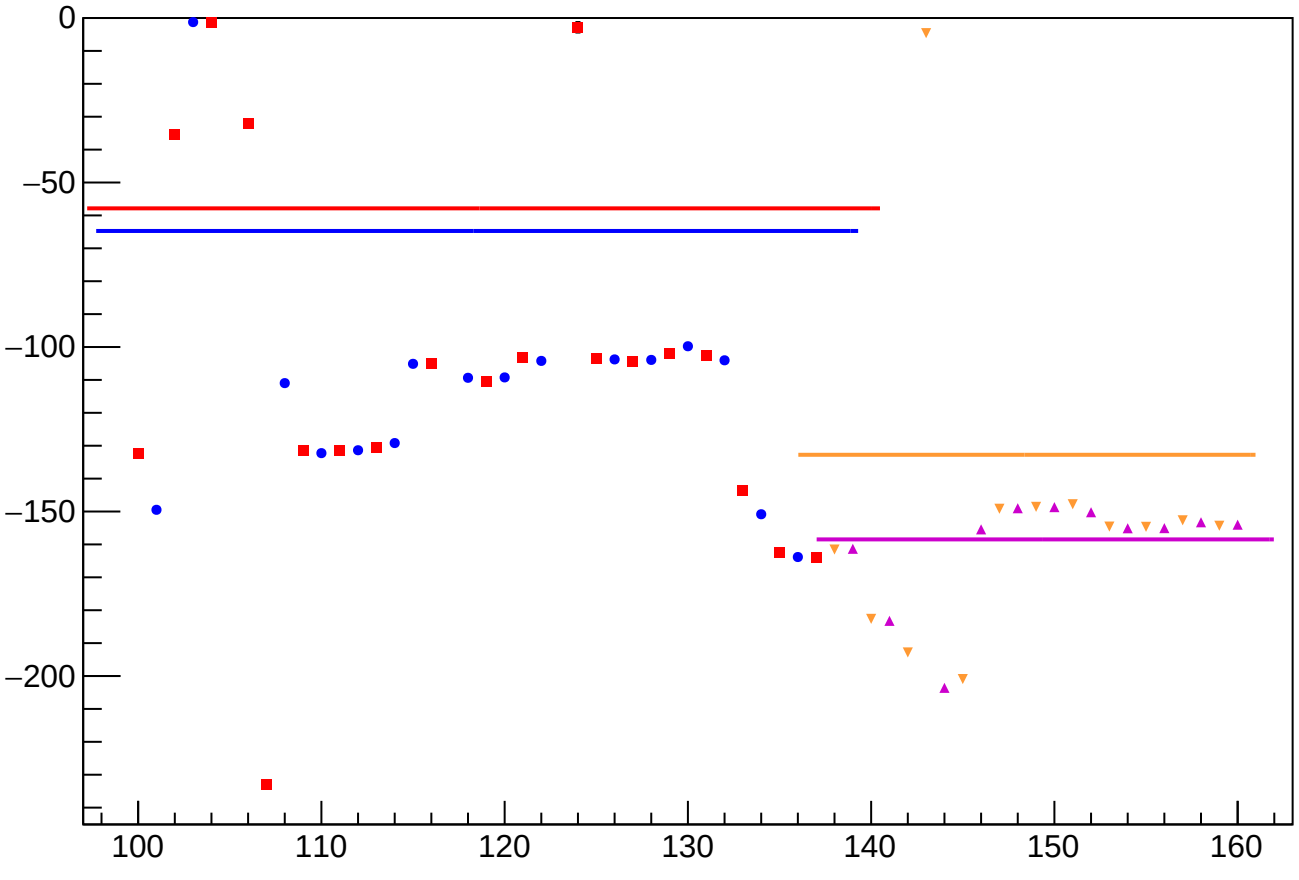
Left: 50.670+/-0.949 χ^2/NDF: 510.1/22

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 41.861+/-0.935 χ^2/NDF:583.6/26

Out: 35.388+/-0.884 χ^2/NDF:678.6/30

All: 38.444+/-0.642 χ^2/NDF: 1287.5/57



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: -158.475+/-0.066 χ^2/NDF:46591.5/10

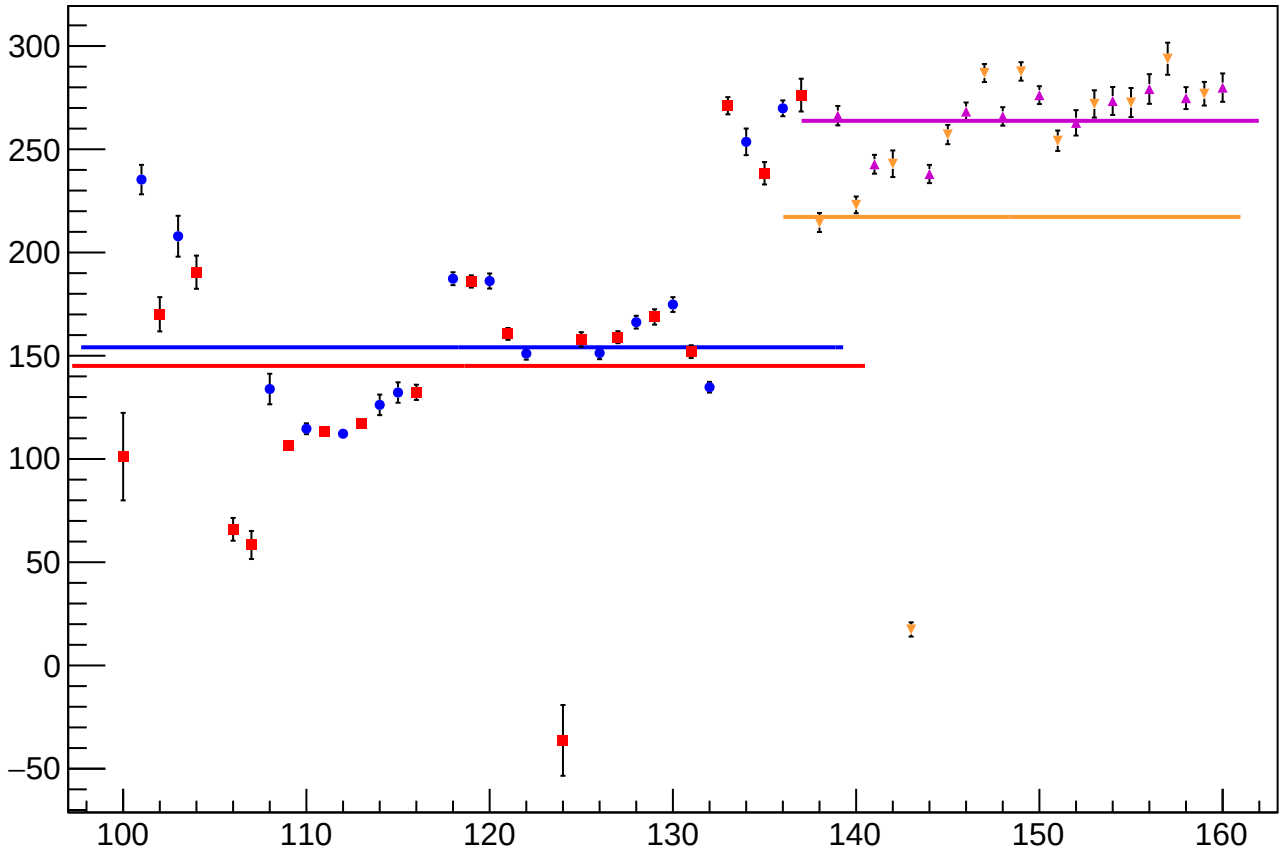
Left: -145.048+/-0.046 χ^2/NDF: 1071198.7/22

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -110.086+/-0.046 χ^2/NDF:2136014.3/26

Out: -94.775+/-0.044 χ^2/NDF:2536813.4/30

All: -102.163+/-0.032 χ^2/NDF: 4730580.0/57



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: 263.766+/-1.535 χ^2/NDF:81.6/10

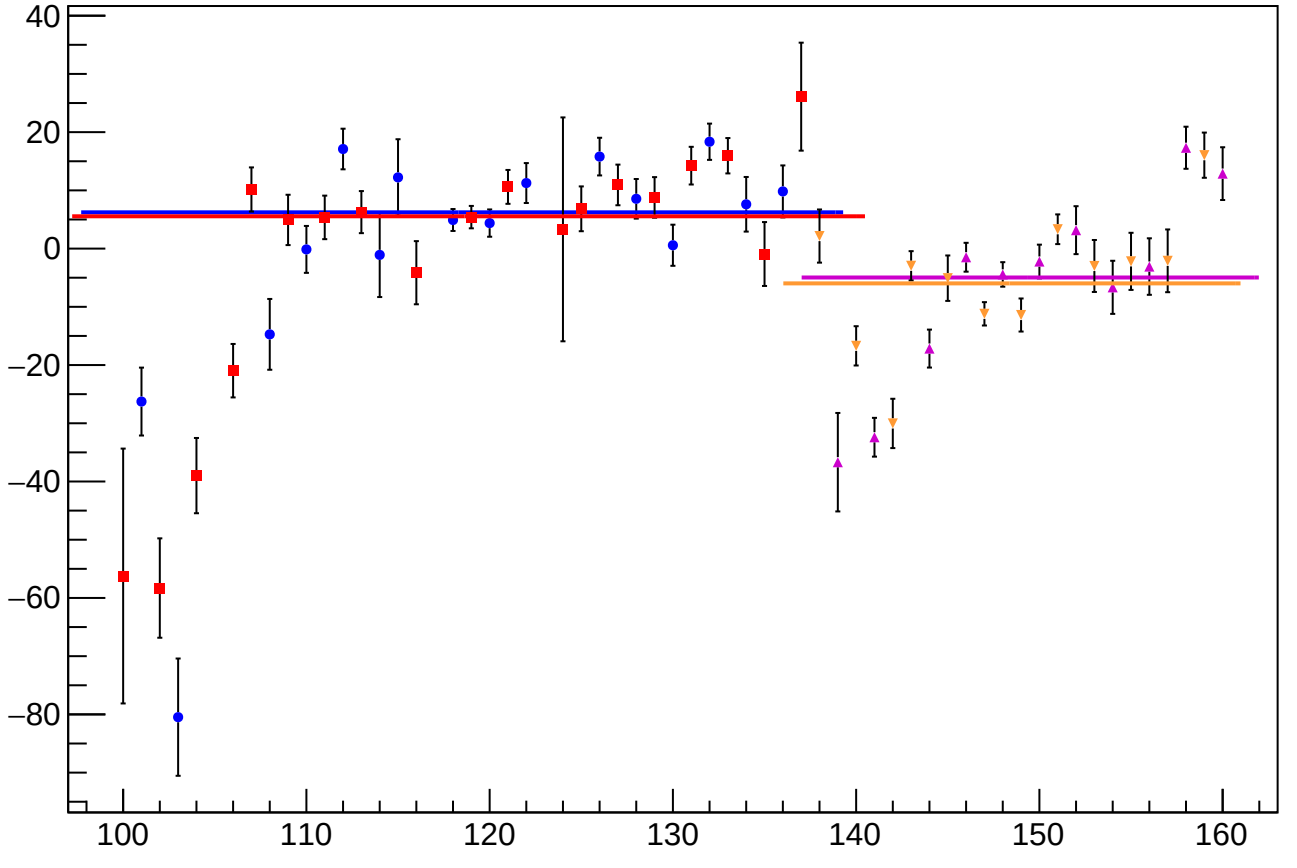
Left: 238.704+/-1.043 χ^2/NDF: 4927.5/22

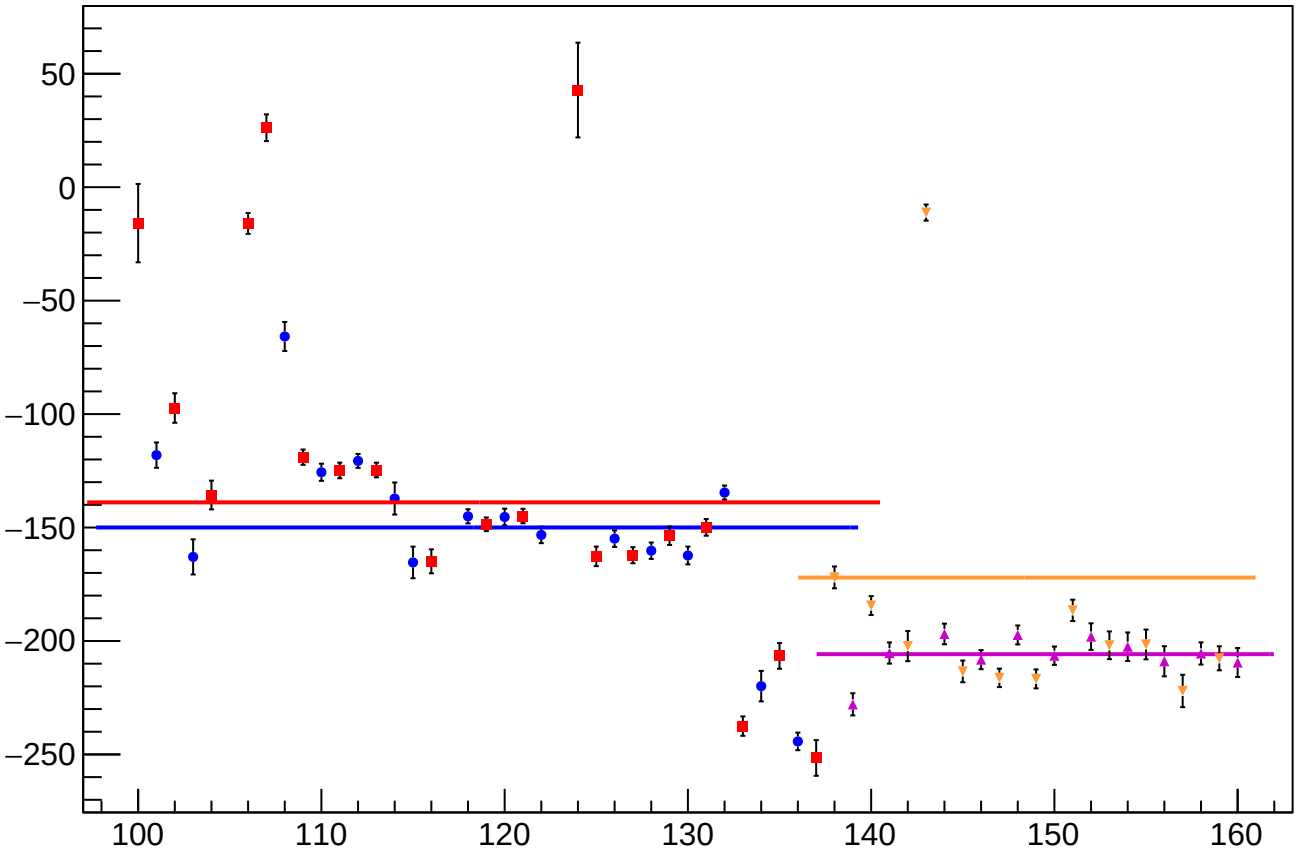
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 180.717+/-0.756 χ^2/NDF:6227.8/26

Out: 163.305+/-0.714 χ^2/NDF:9236.1/30

All: 171.512+/-0.519 χ^2/NDF: 15744.1/57


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: -4.964+/-1.010 χ²/NDF:156.6/10
Left: -5.506+/-0.688 χ²/NDF: 261.7/22
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 1.335+/-0.668 χ²/NDF:387.8/26
Out: 0.098+/-0.646 χ²/NDF:365.0/30
All: 0.695+/-0.464 χ²/NDF: 754.6/57



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: -205.811+/-1.484 χ^2/NDF:31.3/10

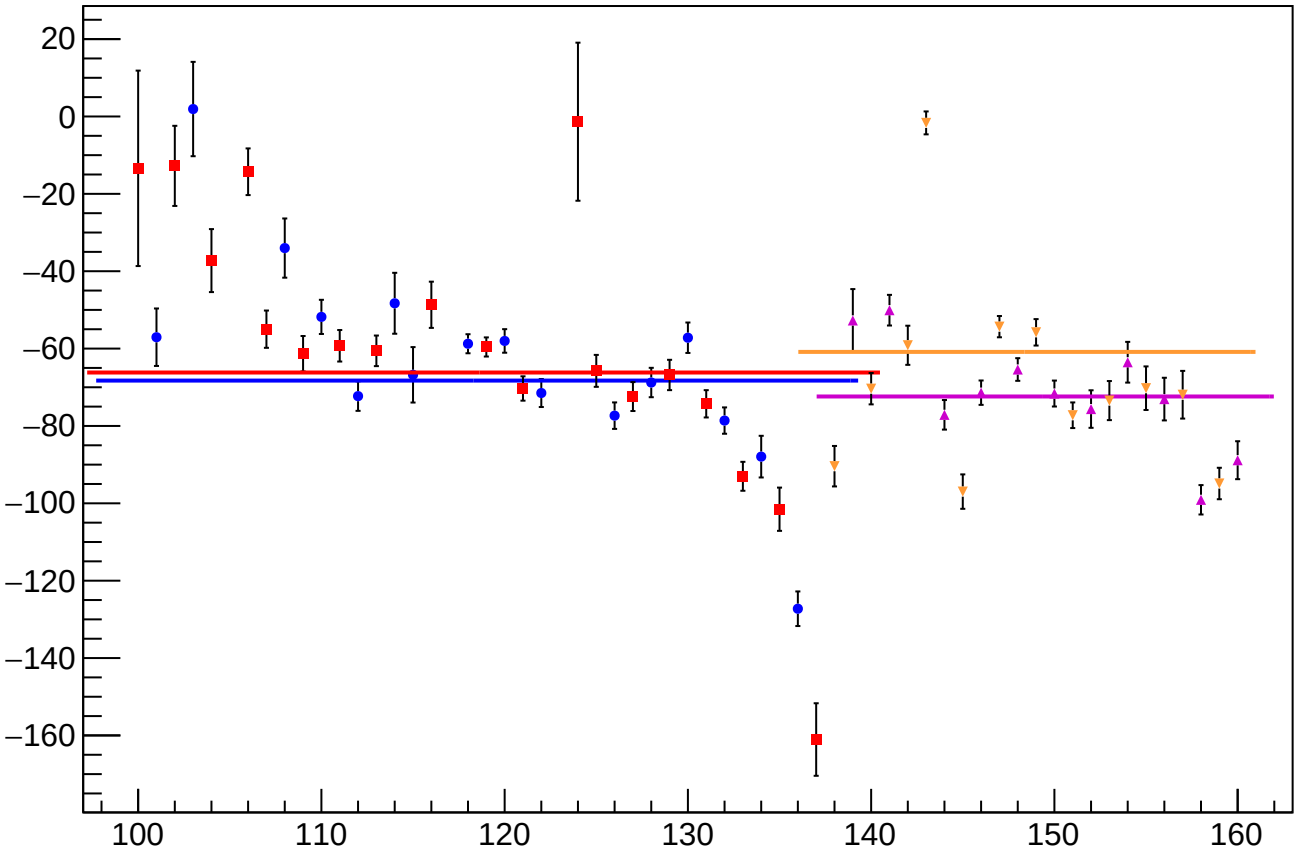
Left: -187.879+/-1.016 χ^2/NDF: 2851.4/22

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.024+/-0.844 χ^2/NDF:2089.2/26

Out: -150.076+/-0.809 χ^2/NDF:5671.0/30

All: -158.674+/-0.584 χ^2/NDF: 7995.9/57



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: -72.383+/-1.216 χ^2/NDF:108.9/10

Left: -66.255+/-0.832 χ^2/NDF: 774.0/22

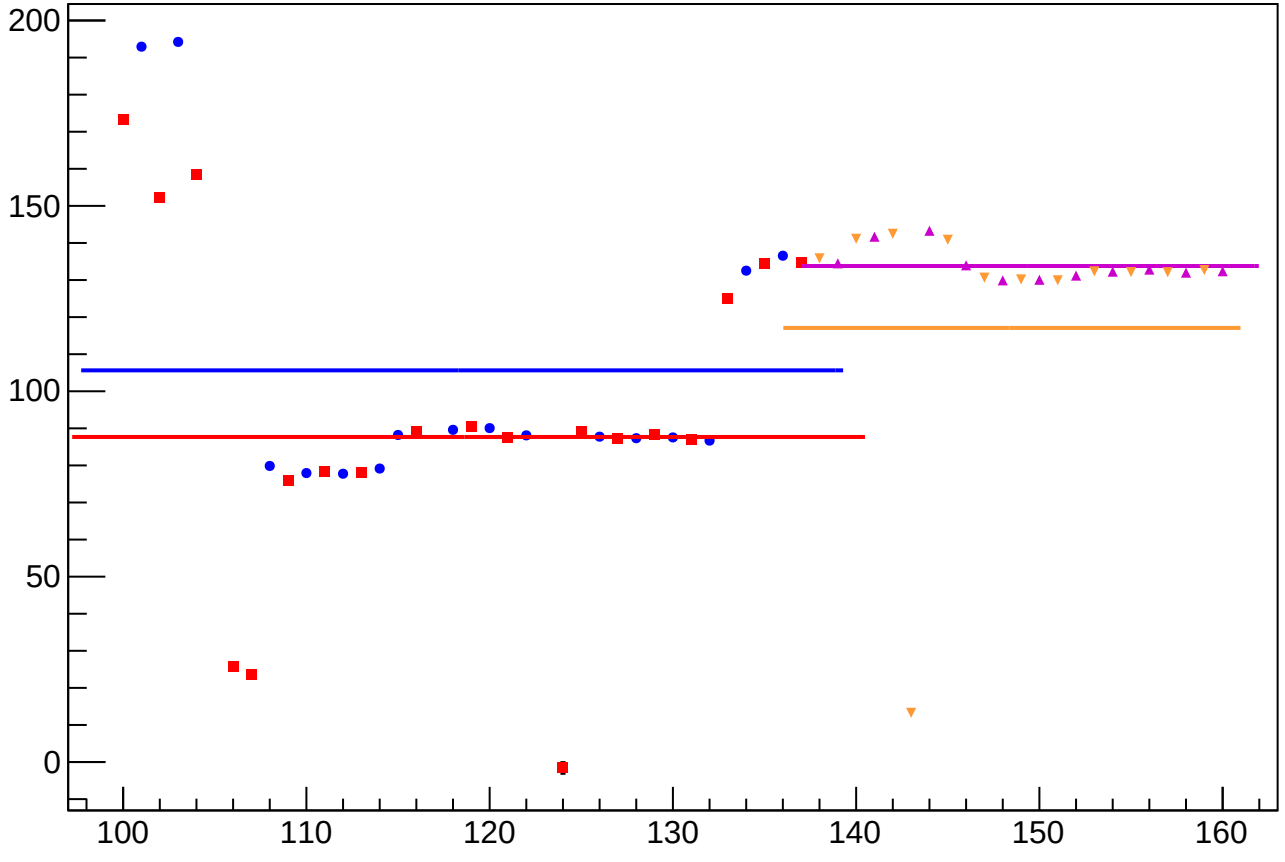
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -69.995+/-0.787 χ^2/NDF:430.9/26

Out: -63.809+/-0.762 χ^2/NDF:987.7/30

All: -66.802+/-0.548 χ^2/NDF: 1450.5/57

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 133.782+/-0.057 χ^2/NDF:5313.5/10

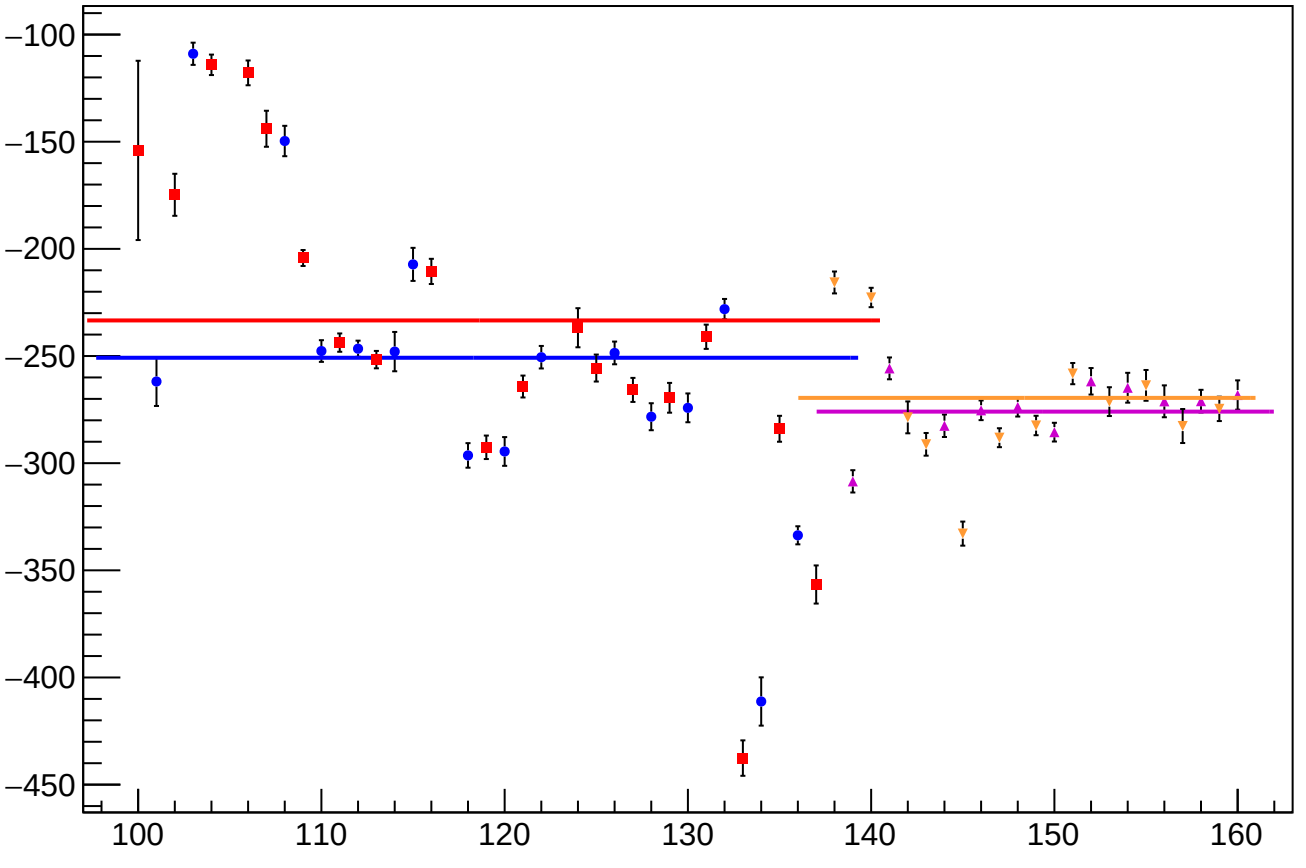
Left: 125.190+/-0.040 χ^2/NDF: 635381.7/22

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.718+/-0.044 χ^2/NDF:340718.8/26

Out: 104.853+/-0.042 χ^2/NDF:1077717.0/30

All: 113.355+/-0.031 χ^2/NDF: 1503227.5/57



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: -275.946+/-1.616 χ^2/NDF:71.7/10

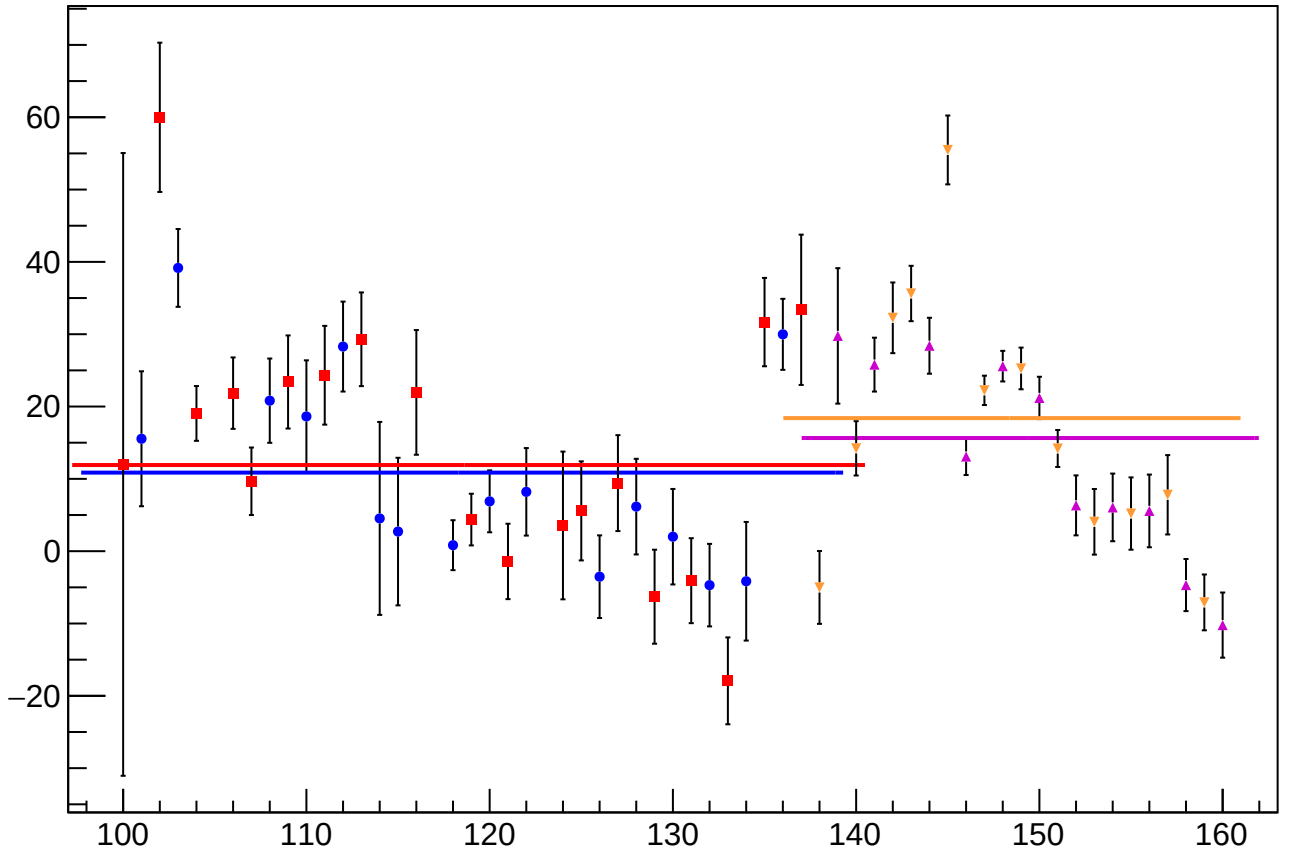
Left: -272.665+/-1.129 χ^2/NDF: 479.1/22

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.924+/-1.074 χ^2/NDF:1942.4/26

Out: -248.450+/-1.018 χ^2/NDF:3083.8/30

All: -254.828+/-0.739 χ^2/NDF: 5109.1/57



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: 15.646+/-1.046 χ^2/NDF:125.3/10

Left: 17.064+/-0.729 χ^2/NDF: 317.0/22

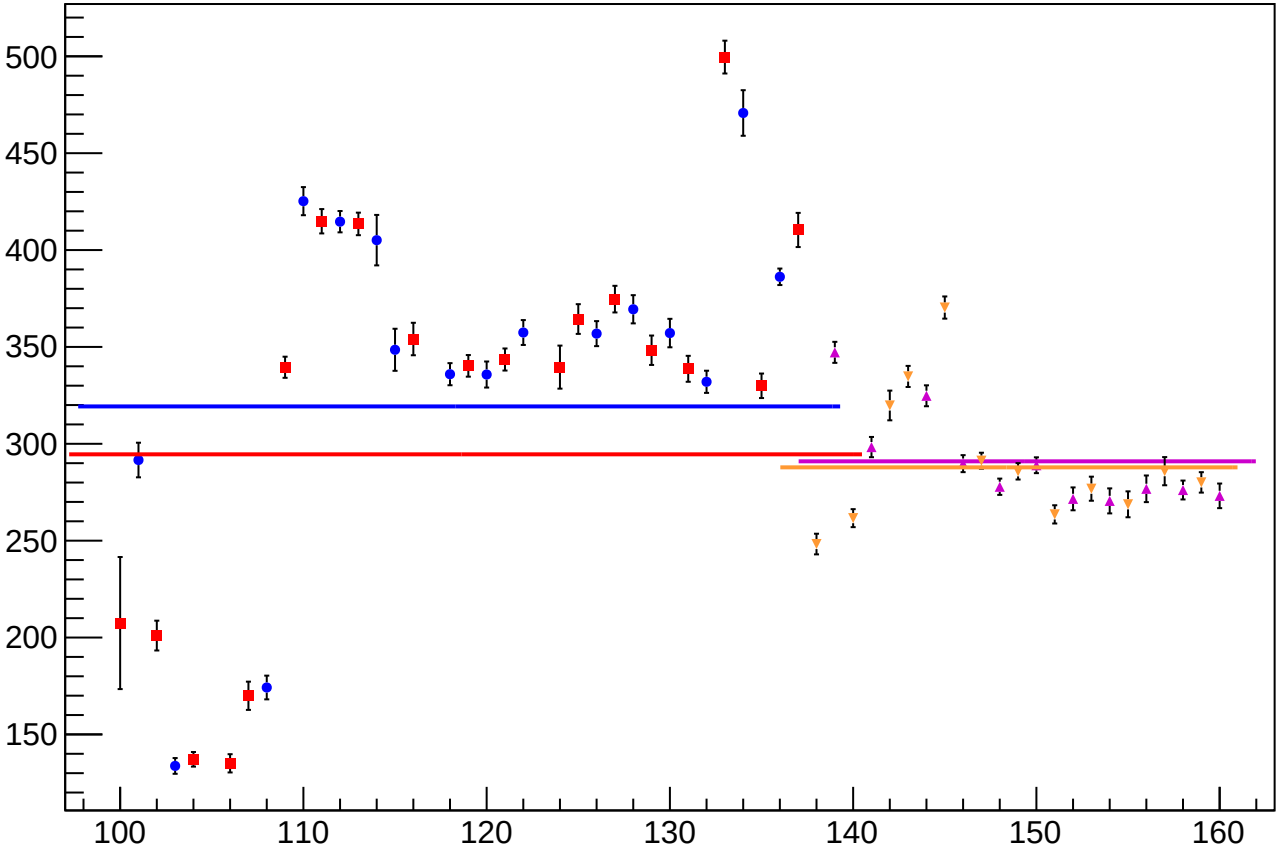
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.039+/-0.853 χ^2/NDF:217.0/26

Out: 16.094+/-0.815 χ^2/NDF:314.5/30

All: 15.112+/-0.589 χ^2/NDF: 534.5/57

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: 290.957+/-1.554 χ^2/NDF:200.9/10

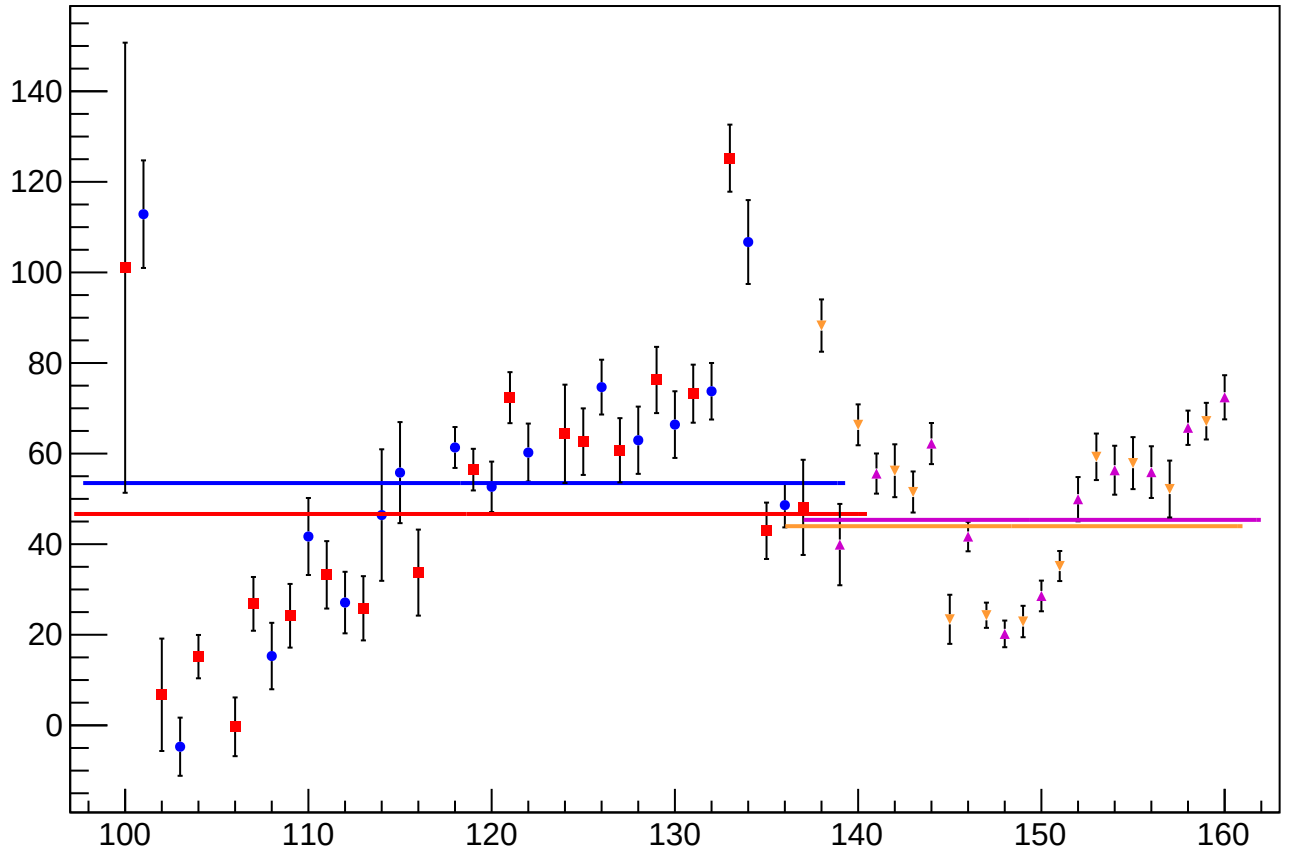
Left: 289.379+/-1.091 χ^2/NDF: 630.1/22

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 304.835+/-1.110 χ^2/NDF:4156.6/26

Out: 291.320+/-1.065 χ^2/NDF:5940.3/30

All: 297.799+/-0.769 χ^2/NDF: 10174.1/57



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: 45.367+/-1.263 χ^2/NDF:186.5/10

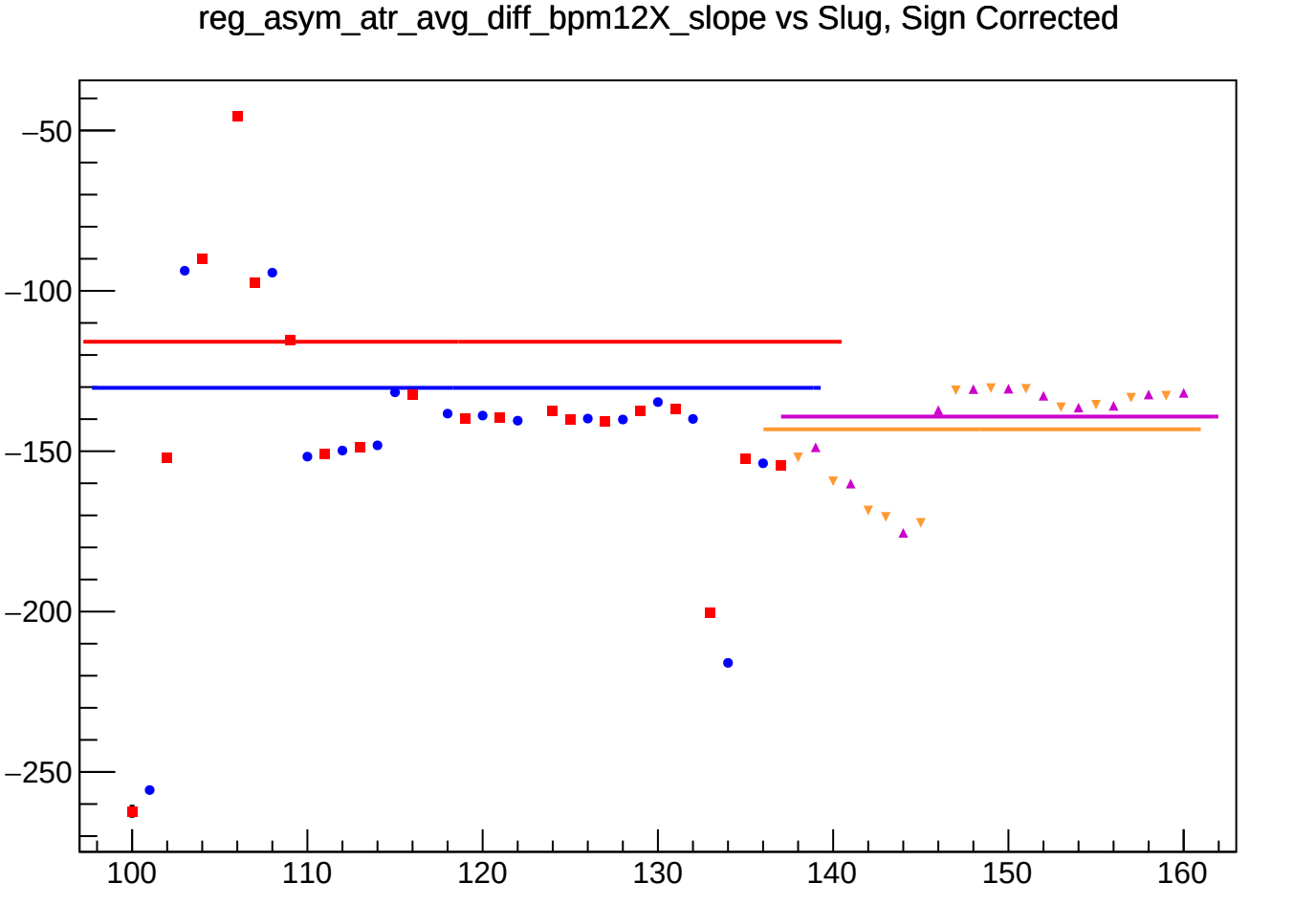
Left: 44.657+/-0.885 χ^2/NDF: 435.2/22

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 48.259+/-1.013 χ^2/NDF:418.5/26

Out: 44.989+/-0.979 χ^2/NDF:575.4/30

All: 46.568+/-0.704 χ^2/NDF: 999.3/57



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: -139.203+/-0.059 χ^2/NDF:43834.7/10

Left: -141.150+/-0.042 χ^2/NDF: 112697.2/22

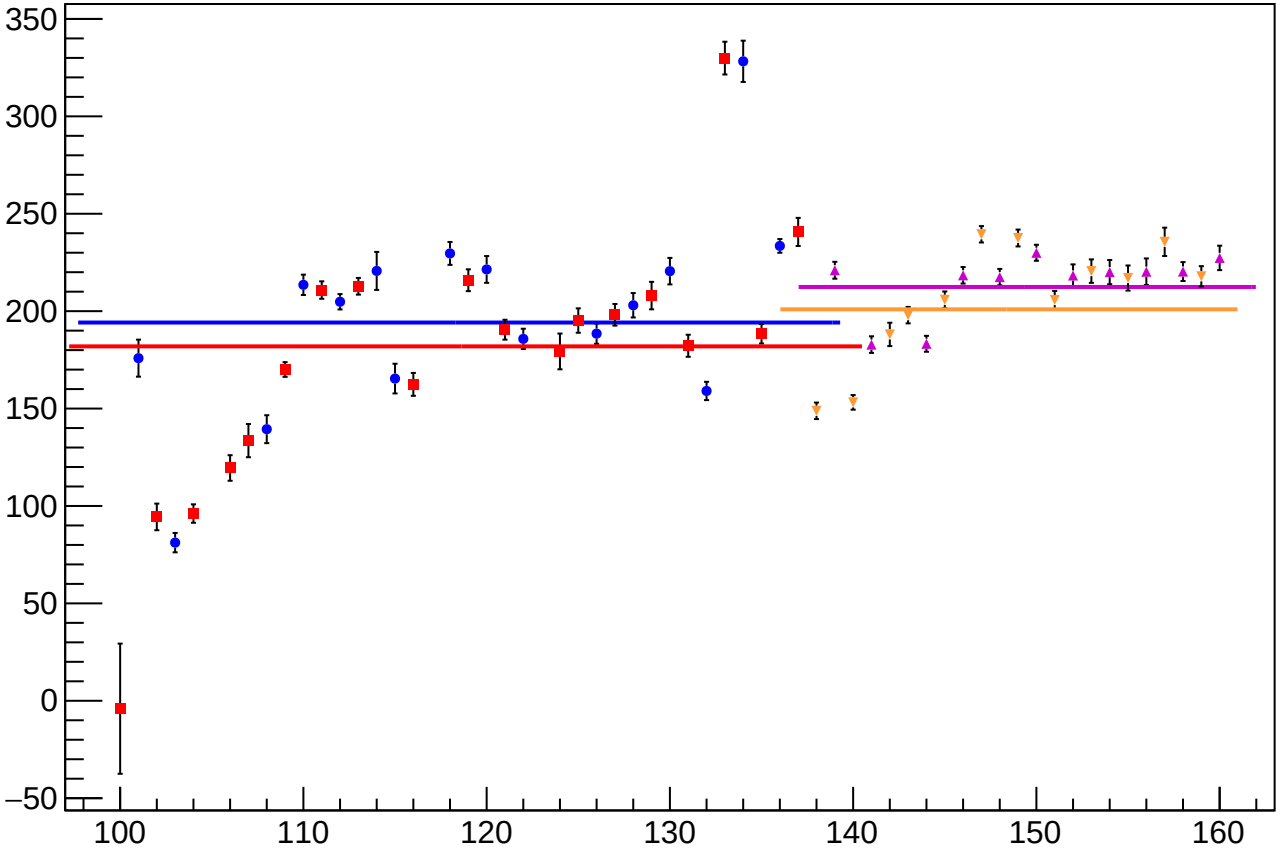
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.524+/-0.050 χ^2/NDF:224838.9/26

Out: -134.093+/-0.049 χ^2/NDF:340305.2/30

All: -135.299+/-0.035 χ^2/NDF: 566345.0/57

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: 212.416+/-1.435 χ^2/NDF:137.0/10

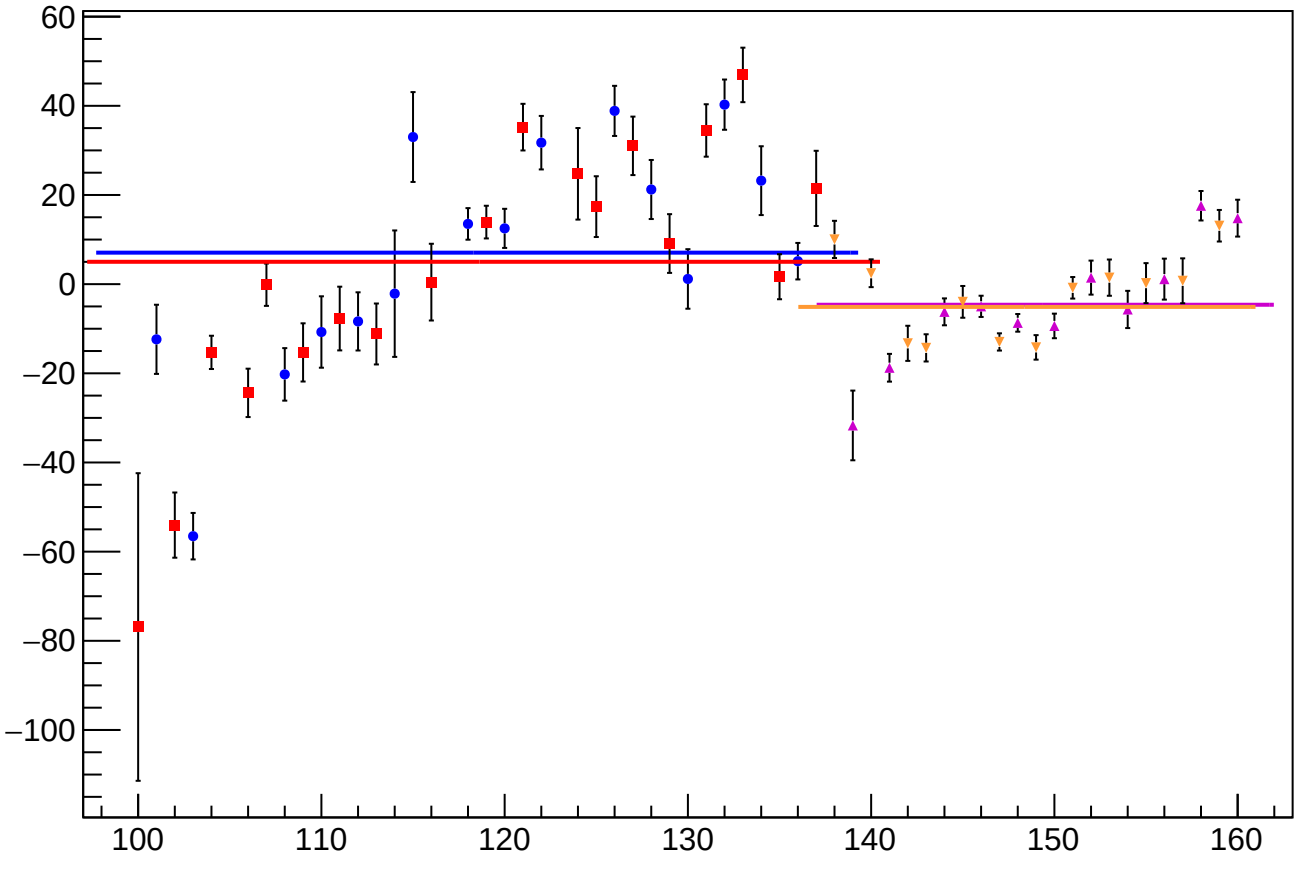
Left: 206.434+/-0.993 χ^2/NDF: 696.5/22

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 203.108+/-1.004 χ^2/NDF:1254.7/26

Out: 191.049+/-0.953 χ^2/NDF:1830.2/30

All: 196.764+/-0.691 χ^2/NDF: 3160.8/57



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: -4.621+/-0.947 χ^2/NDF:111.5/10

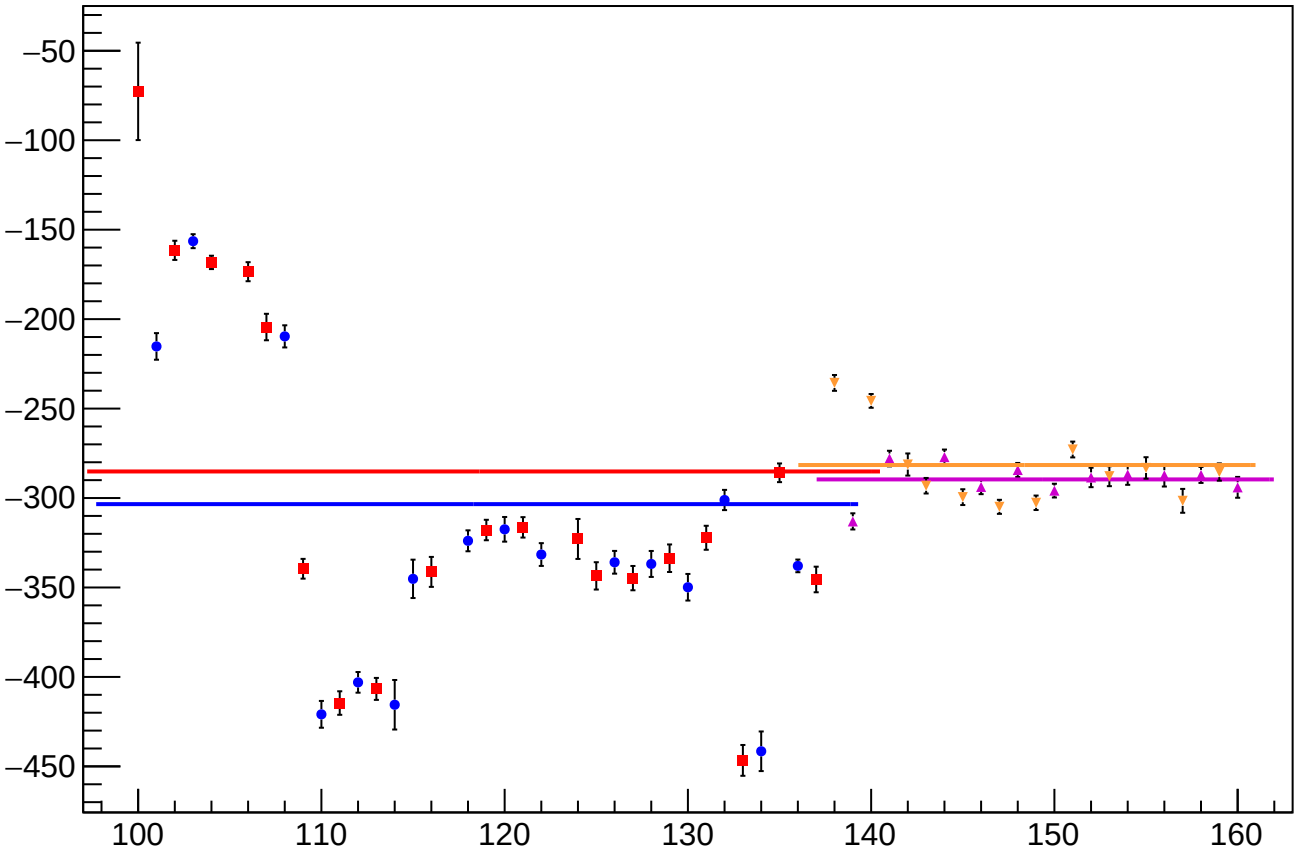
Left: -4.873+/-0.656 χ^2/NDF: 206.5/22

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -1.103+/-0.792 χ^2/NDF:449.9/26

Out: -1.965+/-0.755 χ^2/NDF:421.9/30

All: -1.555+/-0.546 χ^2/NDF: 872.4/57



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: -289.592+/-1.387 χ^2/NDF:49.7/10

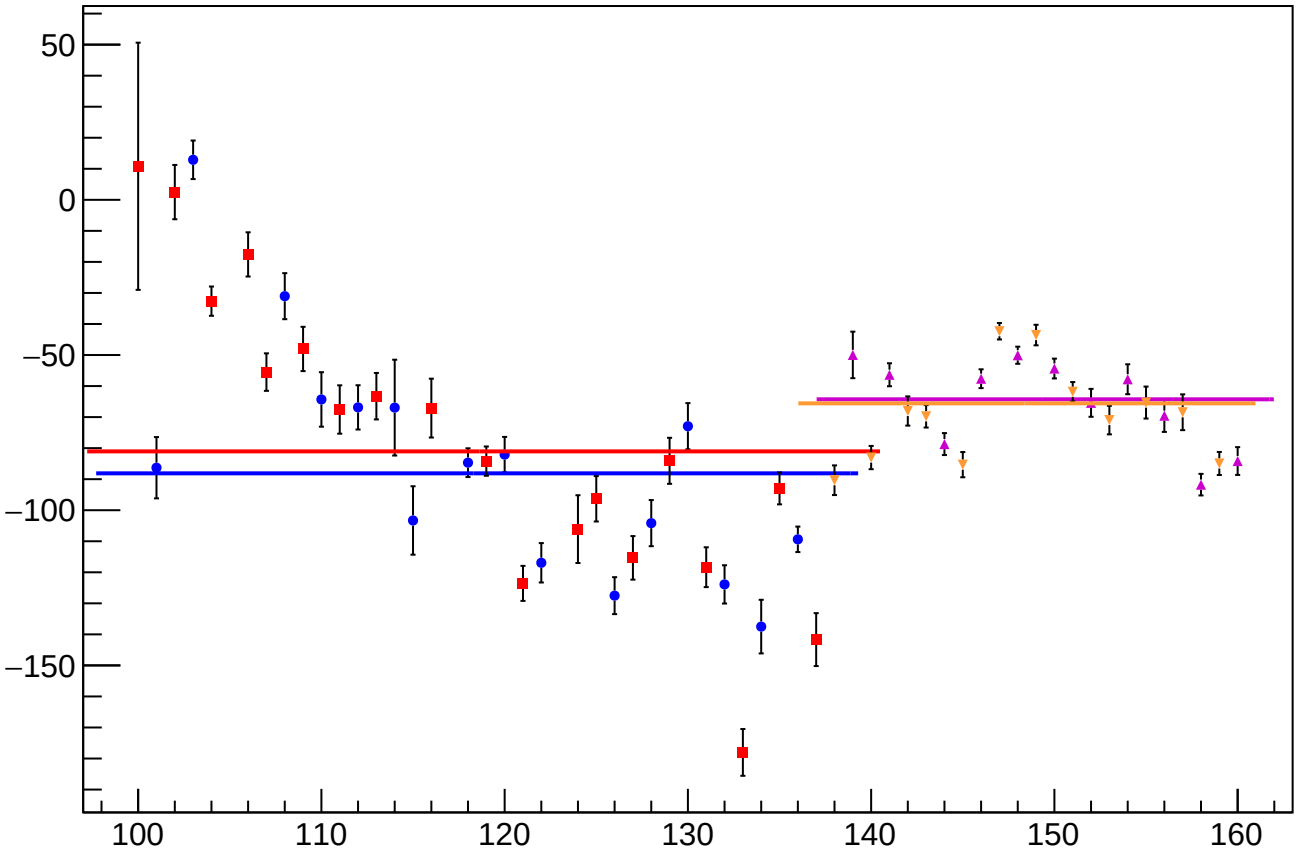
Left: -285.451+/-0.966 χ^2/NDF: 362.4/22

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -295.825+/-1.028 χ^2/NDF:2879.9/26

Out: -283.214+/-0.987 χ^2/NDF:4053.5/30

All: -289.265+/-0.712 χ^2/NDF: 7011.8/57



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: -64.266+/-1.139 χ^2/NDF:151.0/10

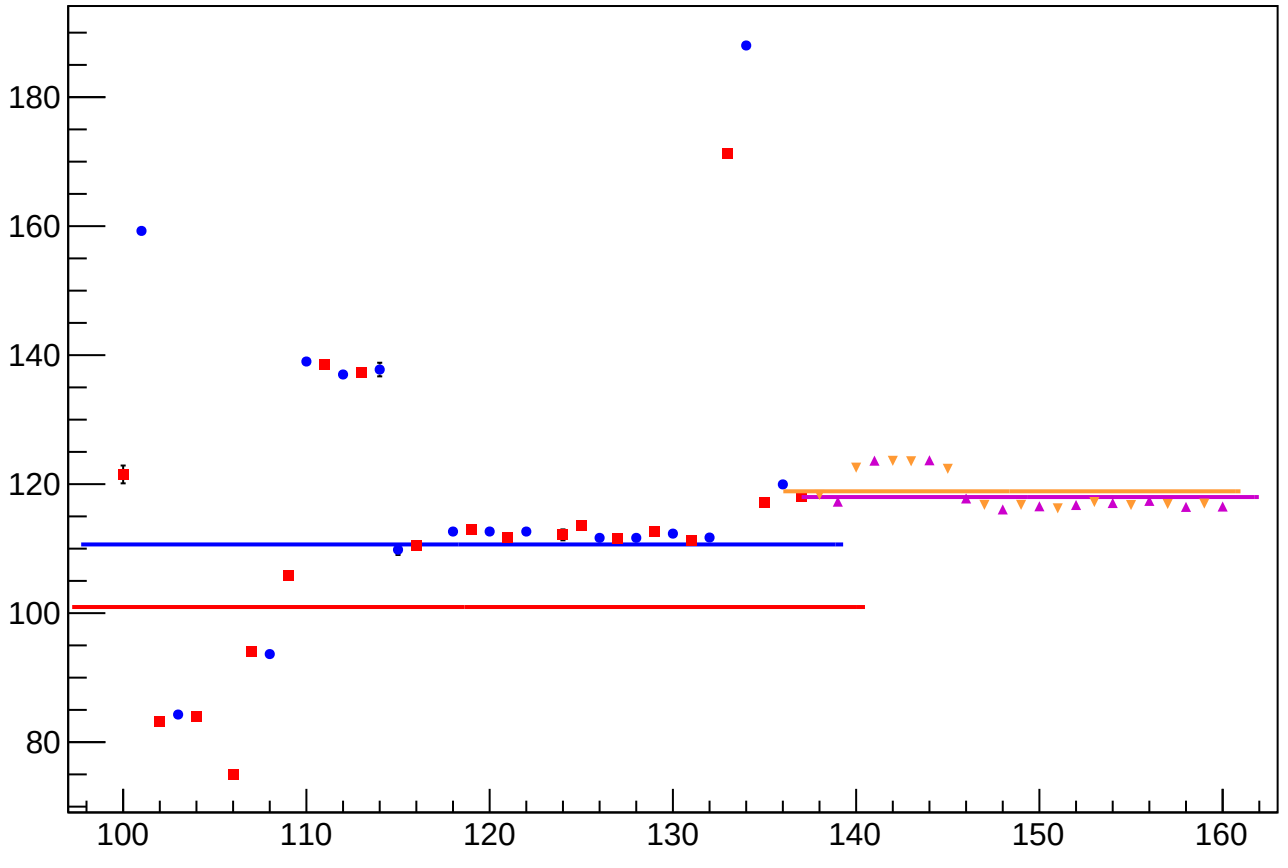
Left: -64.939+/-0.793 χ^2/NDF: 376.7/22

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -71.930+/-0.938 χ^2/NDF:803.9/26

Out: -70.700+/-0.903 χ^2/NDF:967.5/30

All: -71.291+/-0.651 χ^2/NDF: 1772.4/57



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: 118.000+/-0.053 χ^2/NDF:2382.1/10

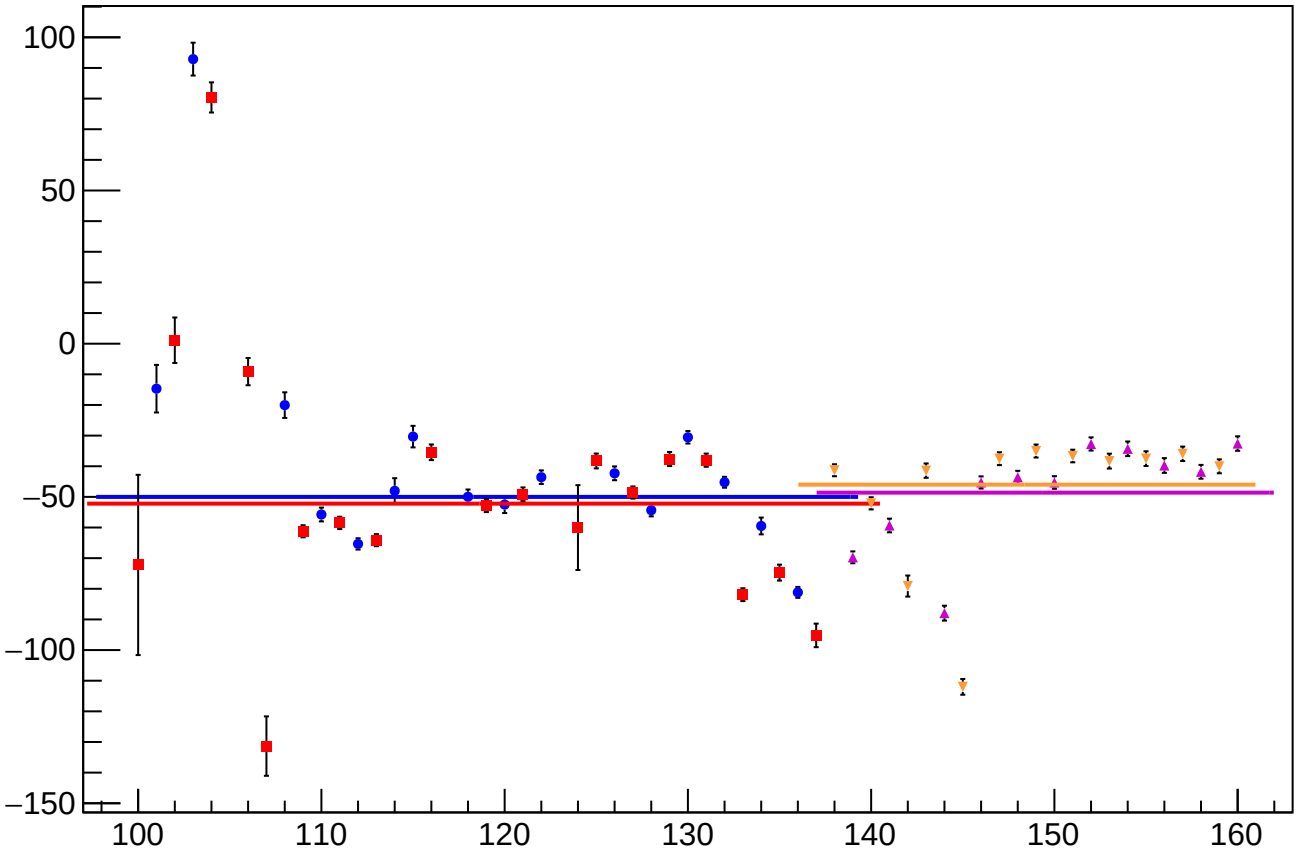
Left: 118.445+/-0.038 χ^2/NDF: 5319.0/22

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.959+/-0.045 χ^2/NDF:91200.7/26

Out: 113.475+/-0.044 χ^2/NDF:99076.9/30

All: 114.697+/-0.032 χ^2/NDF: 191811.3/57



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: -48.613+/-0.661 χ^2/NDF:572.4/10

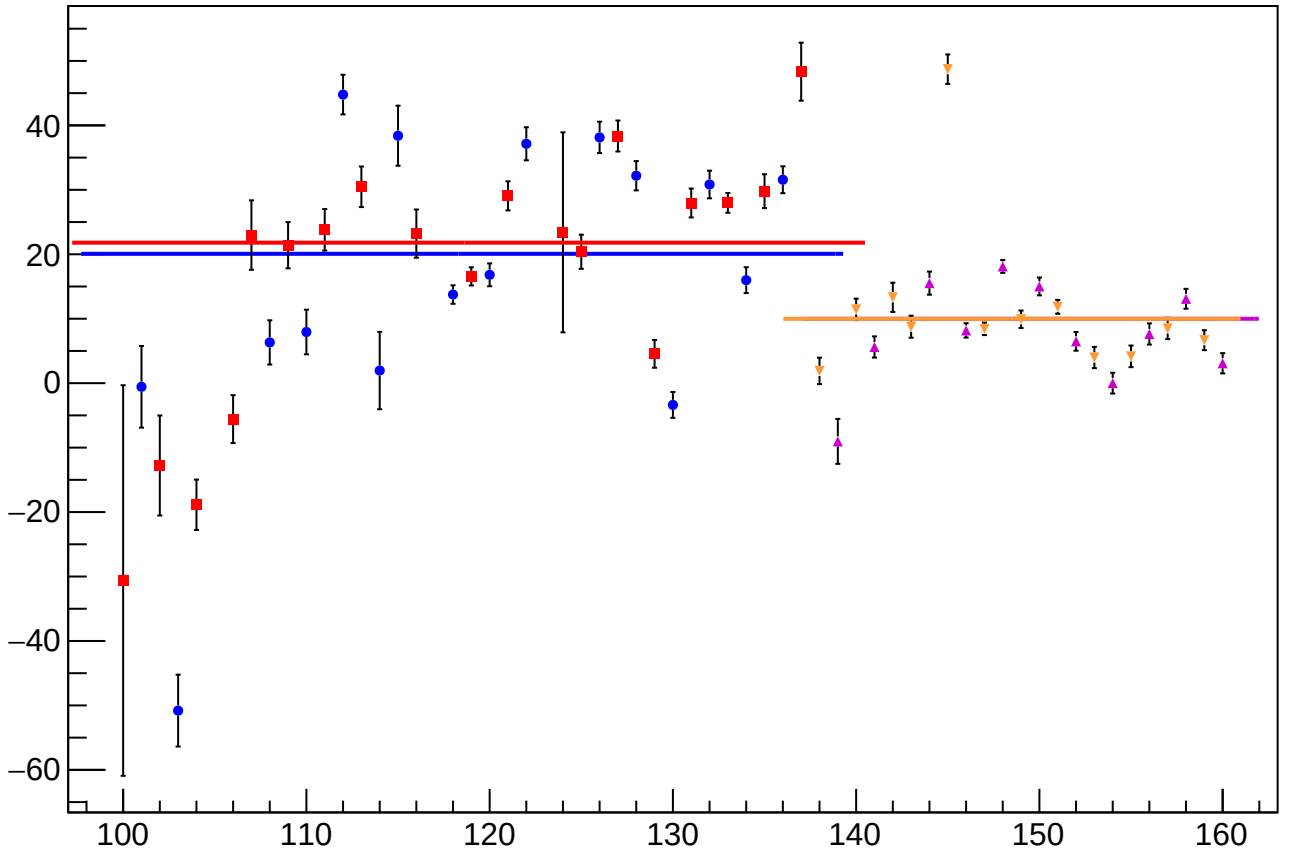
Left: -47.295+/-0.466 χ^2/NDF: 1461.1/22

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -49.367+/-0.448 χ^2/NDF:1902.2/26

Out: -49.352+/-0.445 χ^2/NDF:2499.5/30

All: -49.359+/-0.316 χ^2/NDF: 4401.7/57



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: 9.993+/-0.441 χ^2/NDF:198.1/10

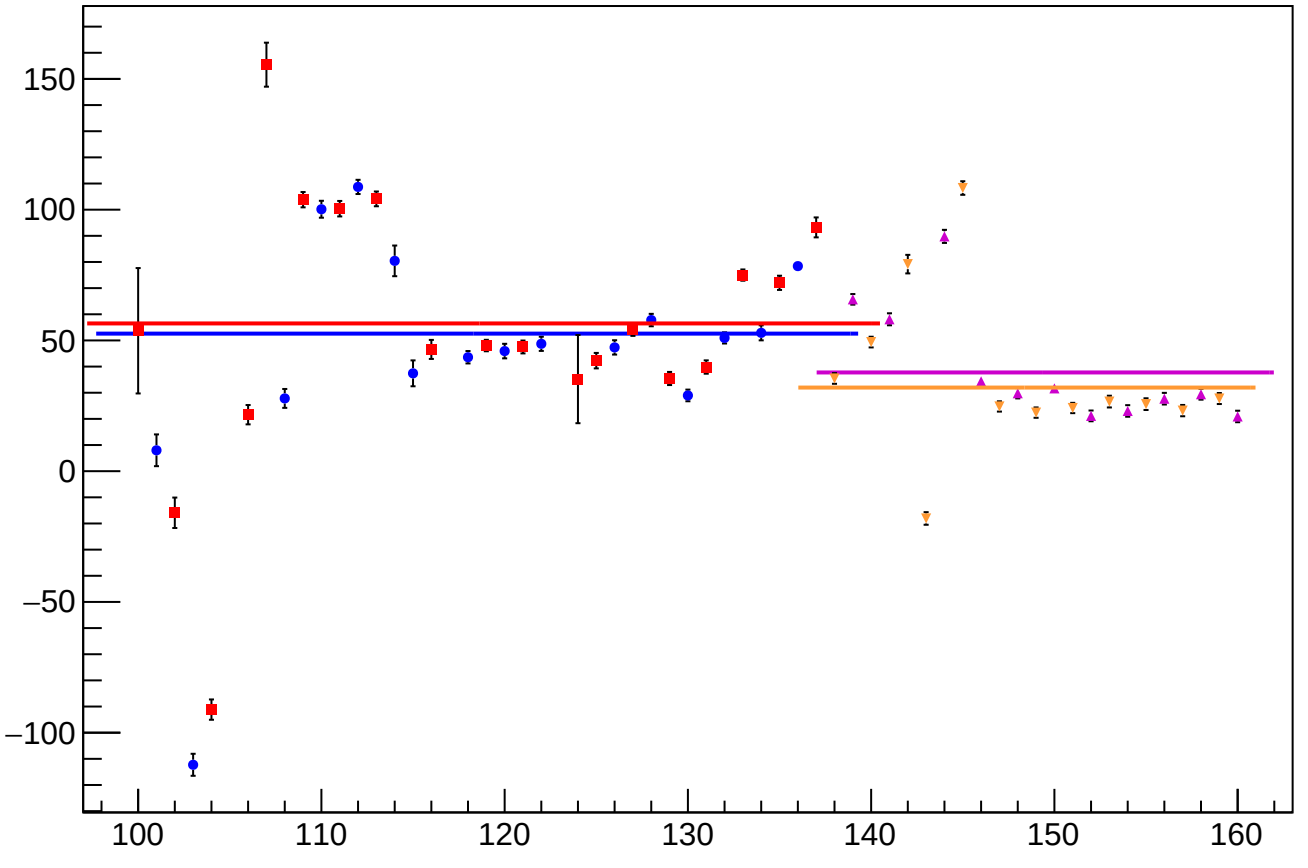
Left: 9.987+/-0.309 χ^2/NDF: 540.5/22

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 13.435+/-0.358 χ^2/NDF:1012.9/26

Out: 13.854+/-0.356 χ^2/NDF:981.5/30

All: 13.645+/-0.252 χ^2/NDF: 1995.1/57



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: 37.754+/-0.636 χ^2/NDF:934.7/10

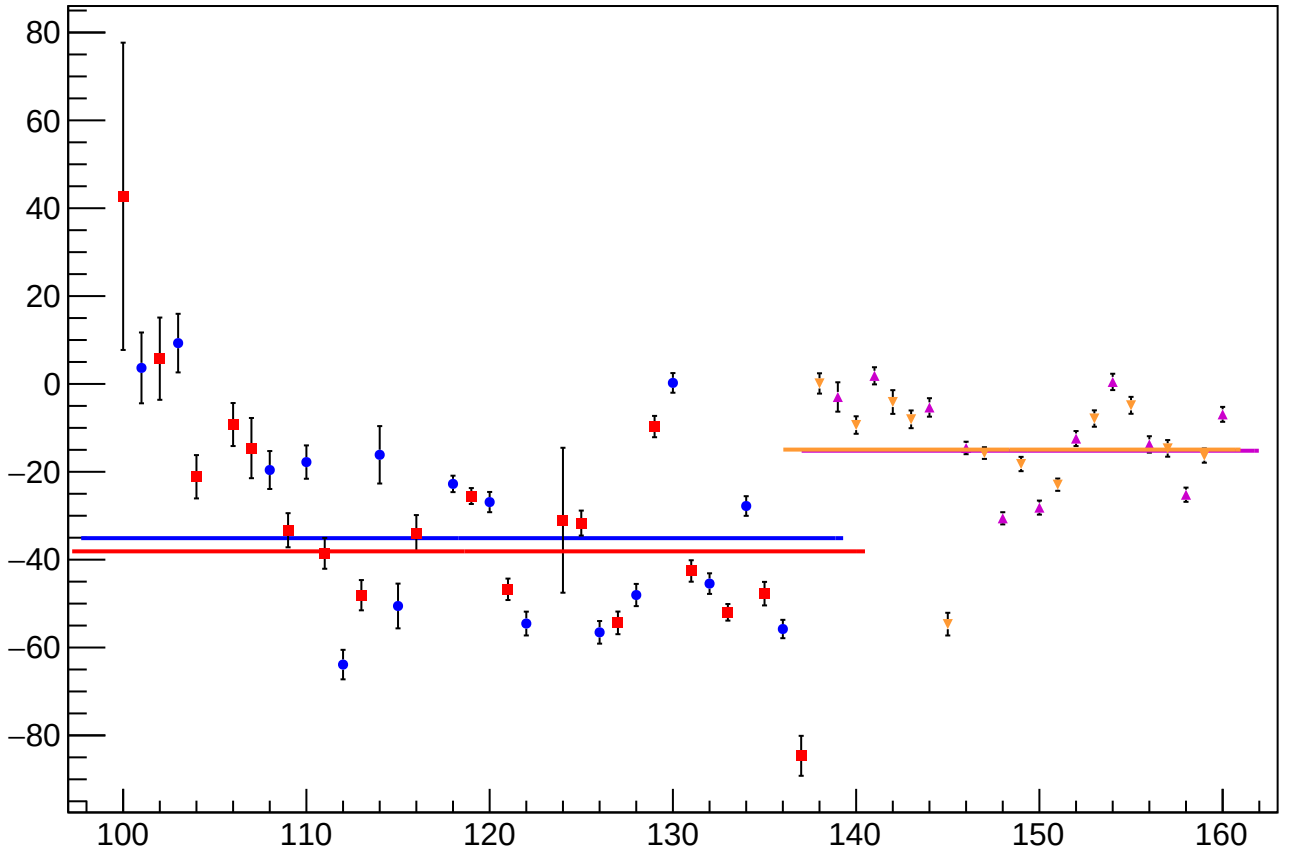
Left: 34.859+/-0.449 χ^2/NDF: 2610.7/22

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 44.502+/-0.469 χ^2/NDF:3842.3/26

Out: 42.940+/-0.472 χ^2/NDF:5268.3/30

All: 43.725+/-0.333 χ^2/NDF: 9116.1/57



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: -15.203+/-0.525 χ^2/NDF:436.7/10

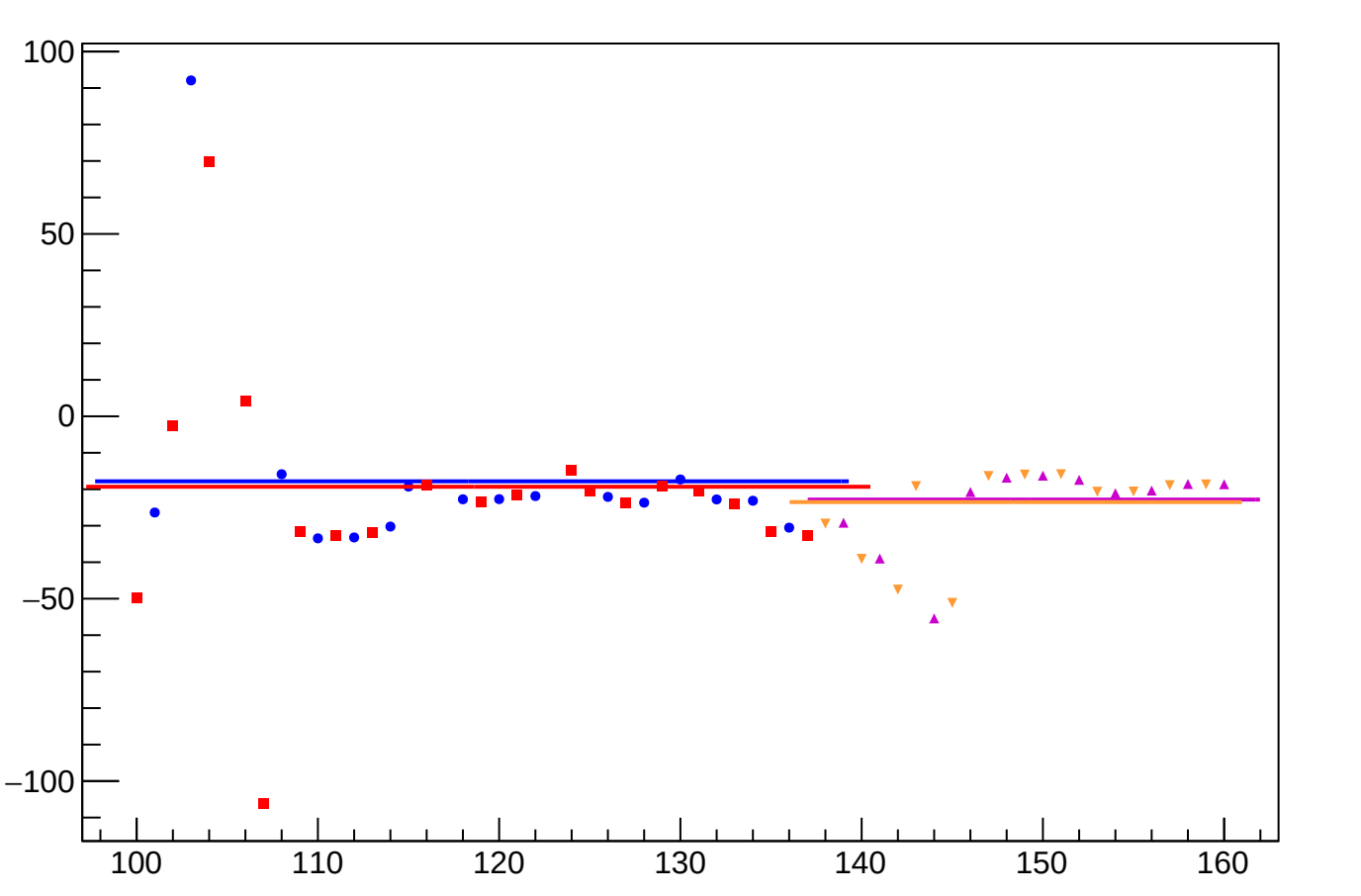
Left: -15.073+/-0.371 χ^2/NDF: 830.9/22

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -22.364+/-0.420 χ^2/NDF:1727.2/26

Out: -23.054+/-0.422 χ^2/NDF:1593.1/30

All: -22.707+/-0.298 χ^2/NDF: 3321.6/57



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: -22.827+/-0.024 χ^2/NDF:148446.6/10

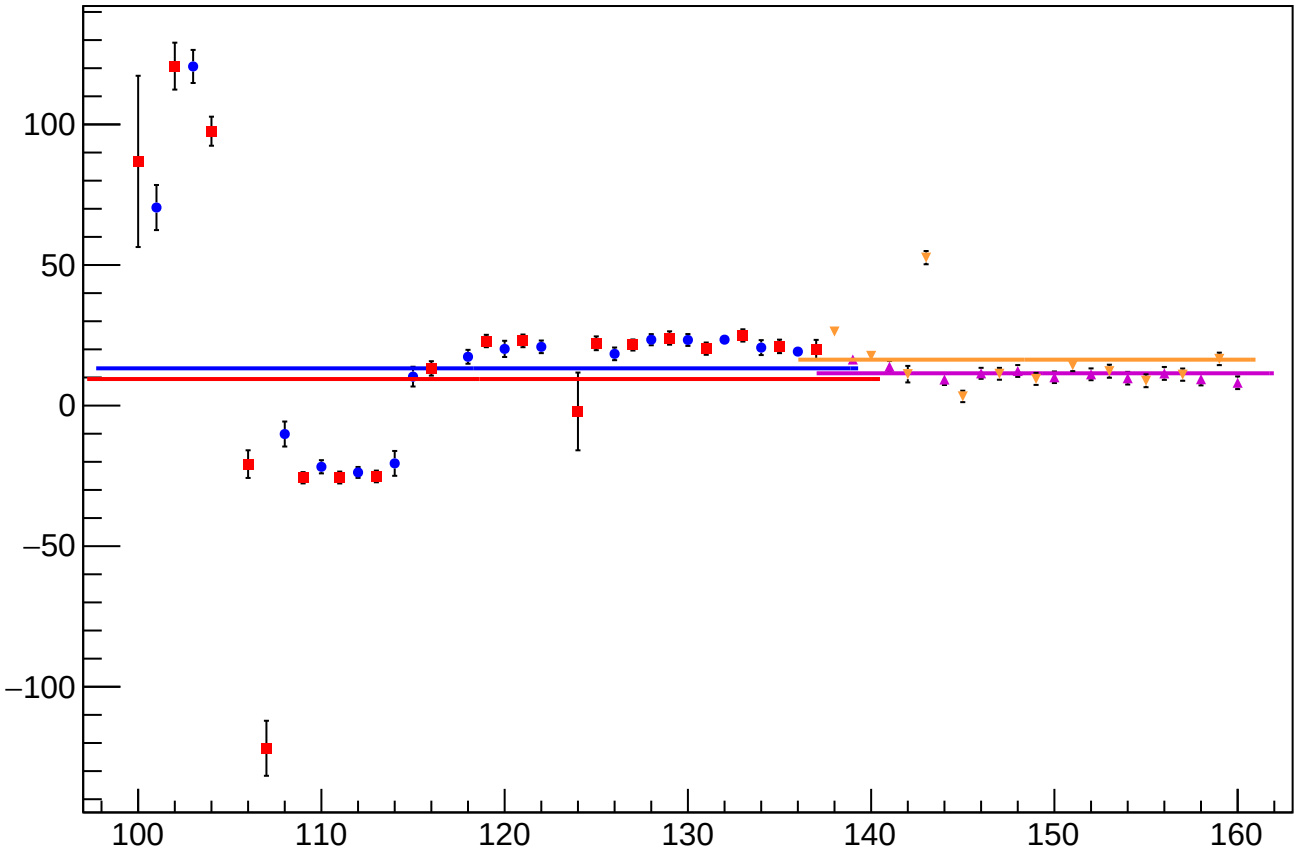
Left: -23.161+/-0.017 χ^2/NDF: 322341.0/22

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.666+/-0.021 χ^2/NDF:584869.5/26

Out: -22.599+/-0.021 χ^2/NDF:524616.3/30

All: -22.118+/-0.015 χ^2/NDF: 1110459.1/57



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: 11.490+/-0.622 χ^2/NDF:15.1/10

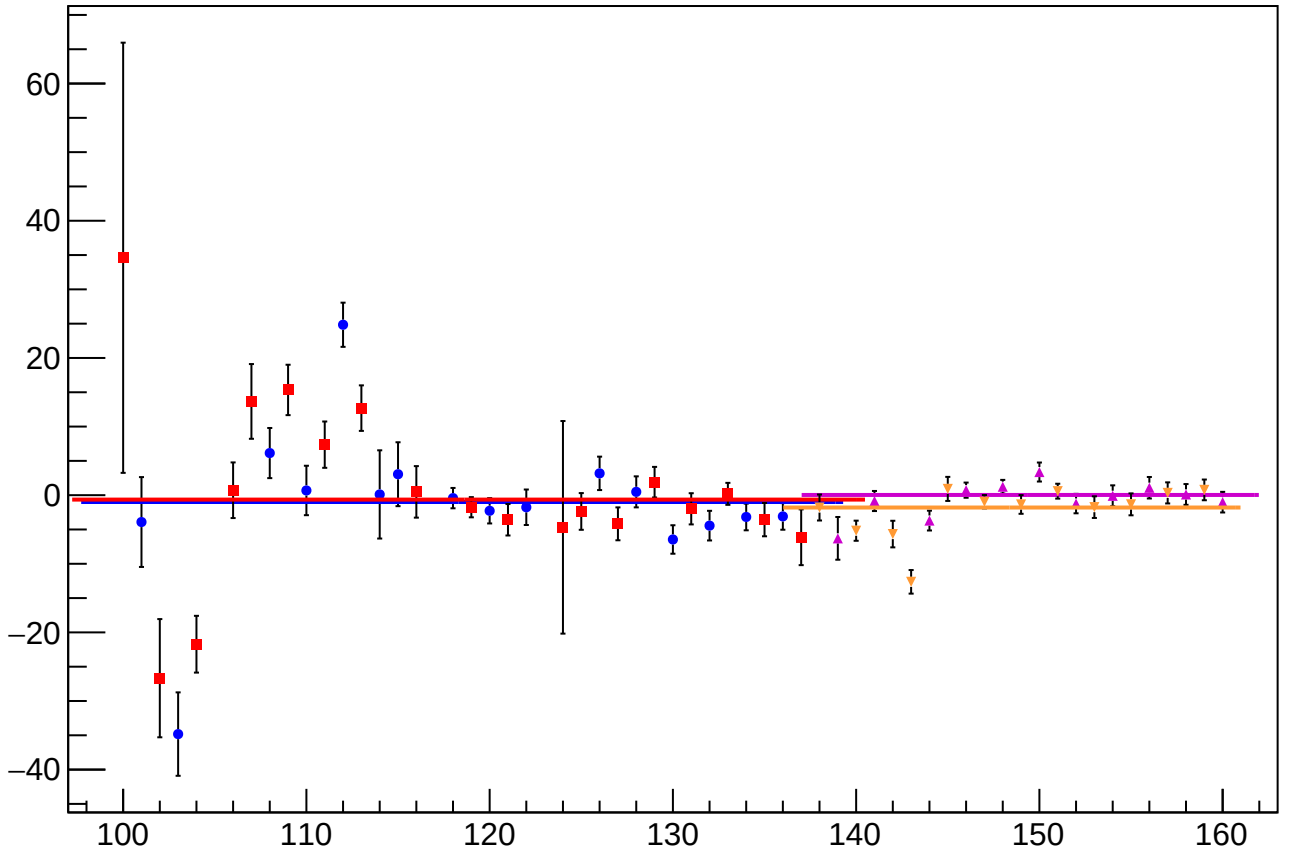
Left: 13.937+/-0.437 χ^2/NDF: 395.1/22

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.380+/-0.437 χ^2/NDF:1201.7/26

Out: 12.890+/-0.435 χ^2/NDF:2248.6/30

All: 12.637+/-0.308 χ^2/NDF: 3450.9/57



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: 0.032+/-0.422 χ^2/NDF:20.6/10

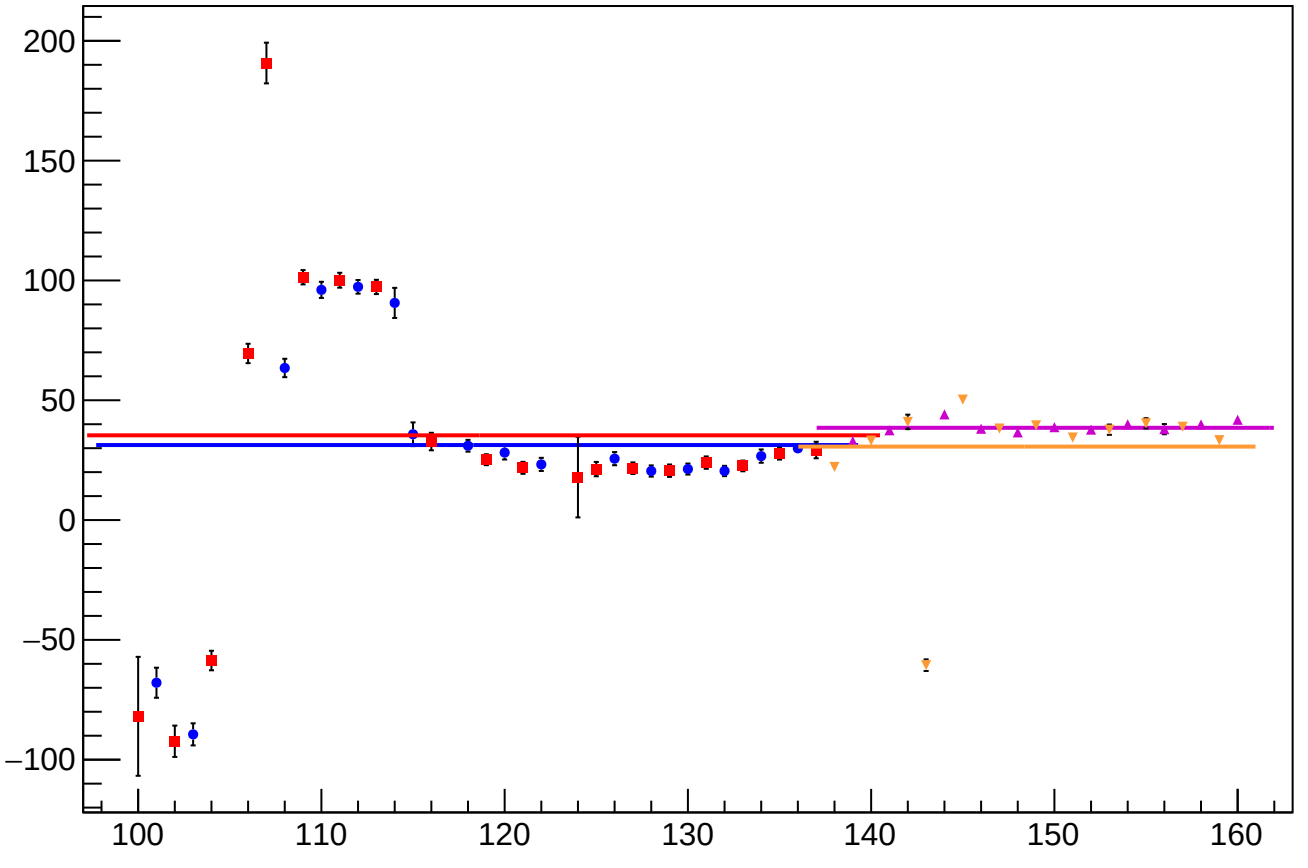
Left: -0.896+/-0.296 χ^2/NDF: 92.1/22

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.293+/-0.349 χ^2/NDF:138.8/26

Out: -1.453+/-0.348 χ^2/NDF:158.5/30

All: -0.874+/-0.246 χ^2/NDF: 302.8/57



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: 38.508+/-0.600 χ^2/NDF:22.3/10

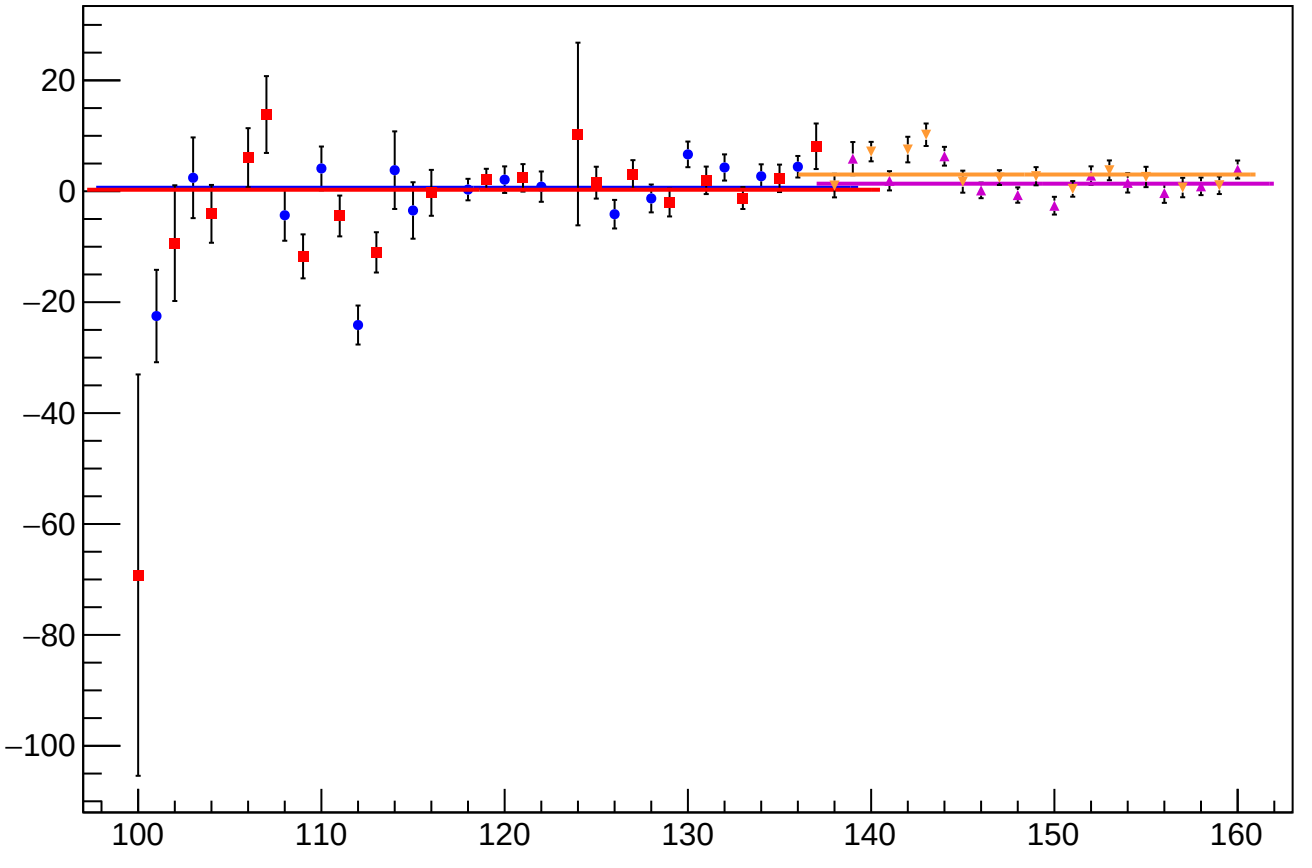
Left: 34.573+/-0.424 χ^2/NDF: 1732.9/22

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 35.459+/-0.456 χ^2/NDF:2169.1/26

Out: 32.593+/-0.459 χ^2/NDF:4547.9/30

All: 34.038+/-0.324 χ^2/NDF: 6736.6/57



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: 1.367+/-0.501 χ^2/NDF:24.2/10

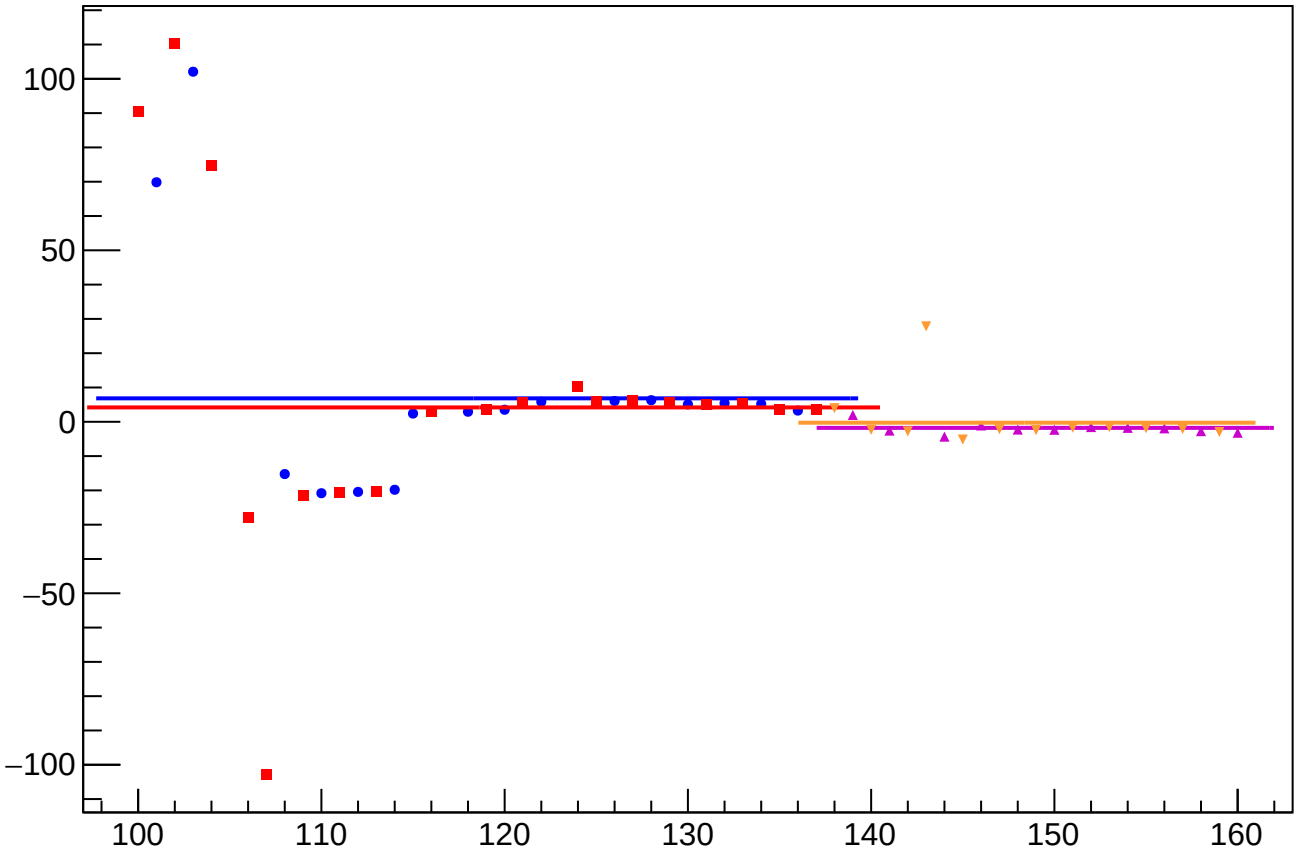
Left: 2.196+/-0.354 χ^2/NDF: 60.0/22

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.120+/-0.408 χ^2/NDF:103.4/26

Out: 2.139+/-0.412 χ^2/NDF:80.5/30

All: 1.625+/-0.290 χ^2/NDF: 186.9/57



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: -1.773+/-0.022 χ^2/NDF:5065.1/10

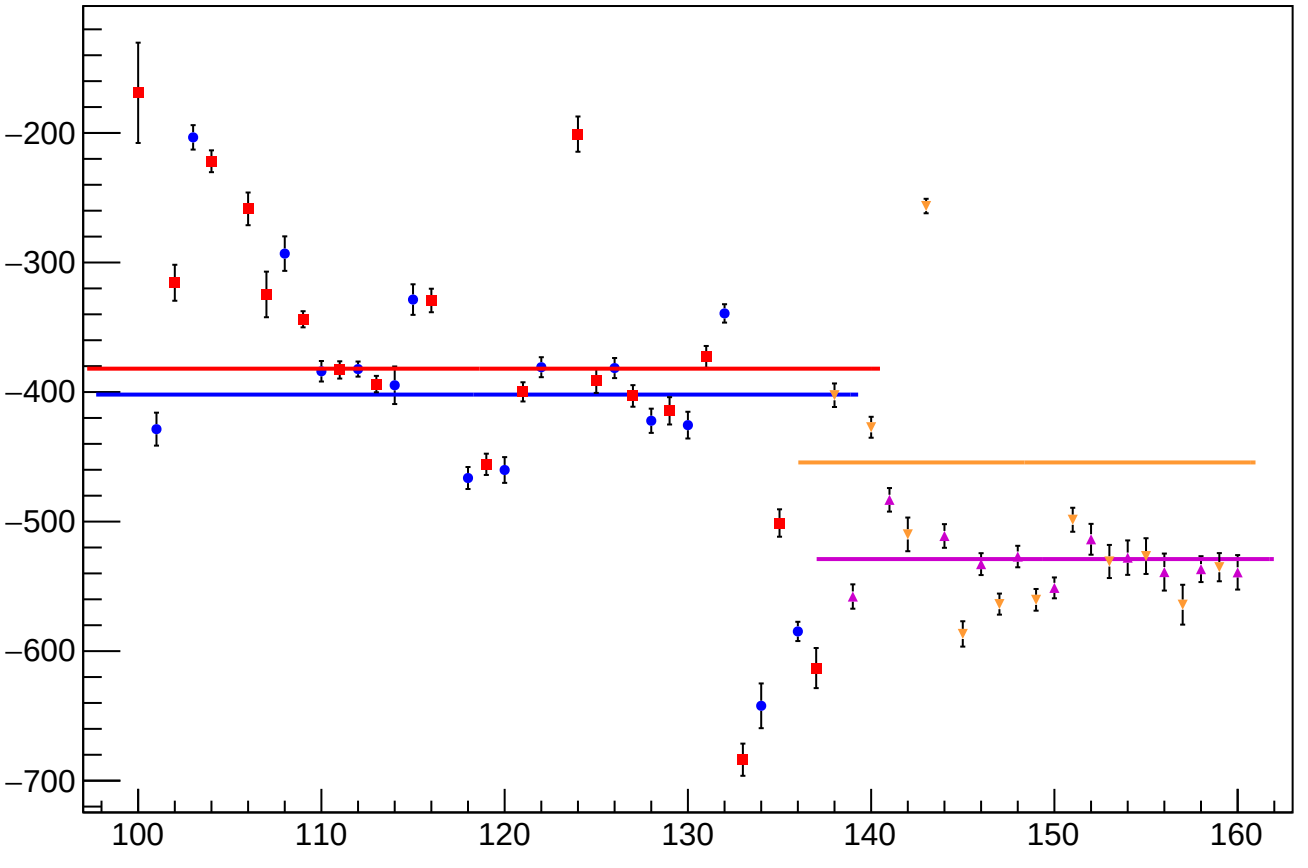
Left: -1.030+/-0.016 χ^2/NDF: 97491.6/22

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.086+/-0.020 χ^2/NDF:357689.5/26

Out: 0.610+/-0.021 χ^2/NDF:532191.9/30

All: 0.341+/-0.014 χ^2/NDF: 890218.2/57



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: -528.931+/-2.980 χ^2/NDF:49.8/10

Left: -487.475+/-1.986 χ^2/NDF: 2431.7/22

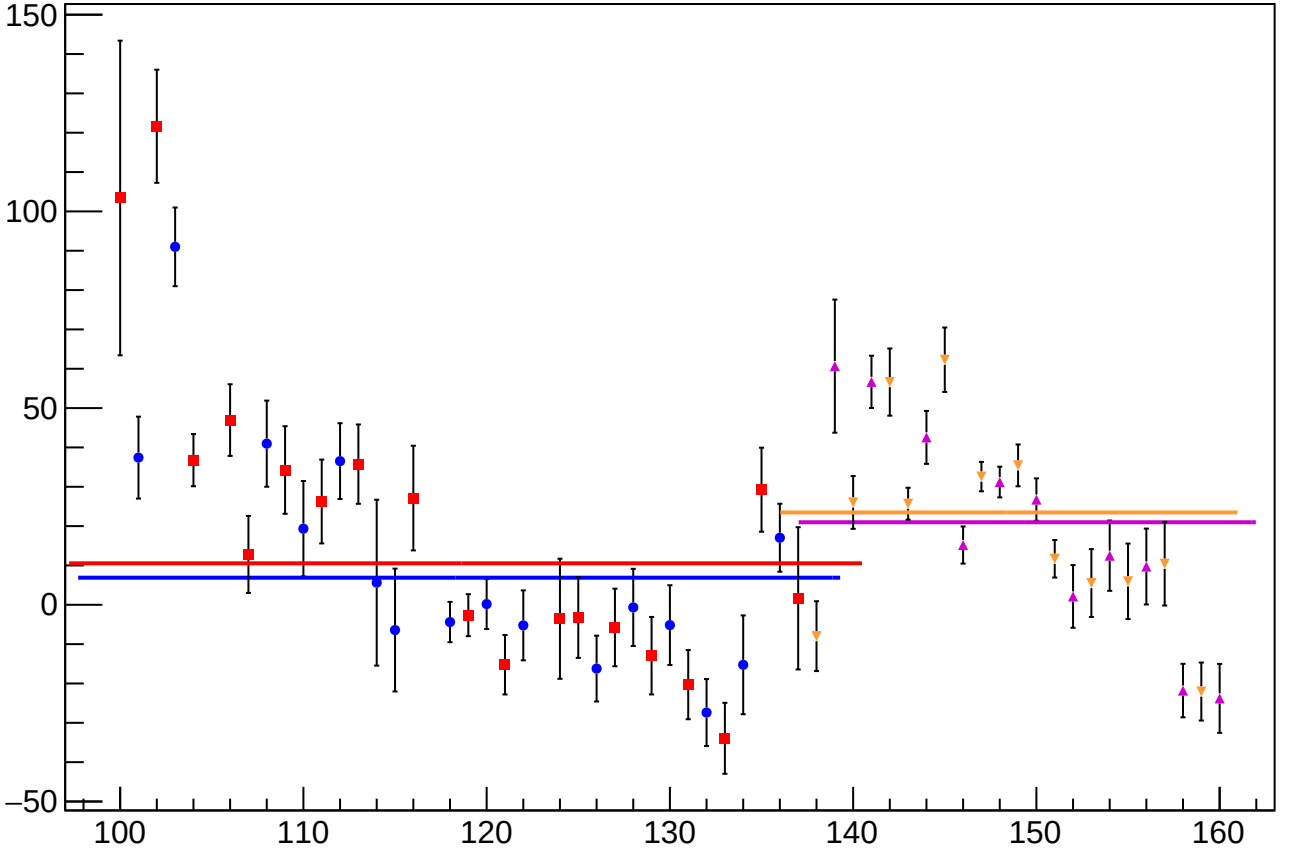
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -447.696+/-1.789 χ^2/NDF:2774.5/26

Out: -410.088+/-1.661 χ^2/NDF:4302.6/30

All: -427.503+/-1.217 χ^2/NDF: 7314.4/57

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 20.984+/-1.936 χ^2/NDF:127.6/10

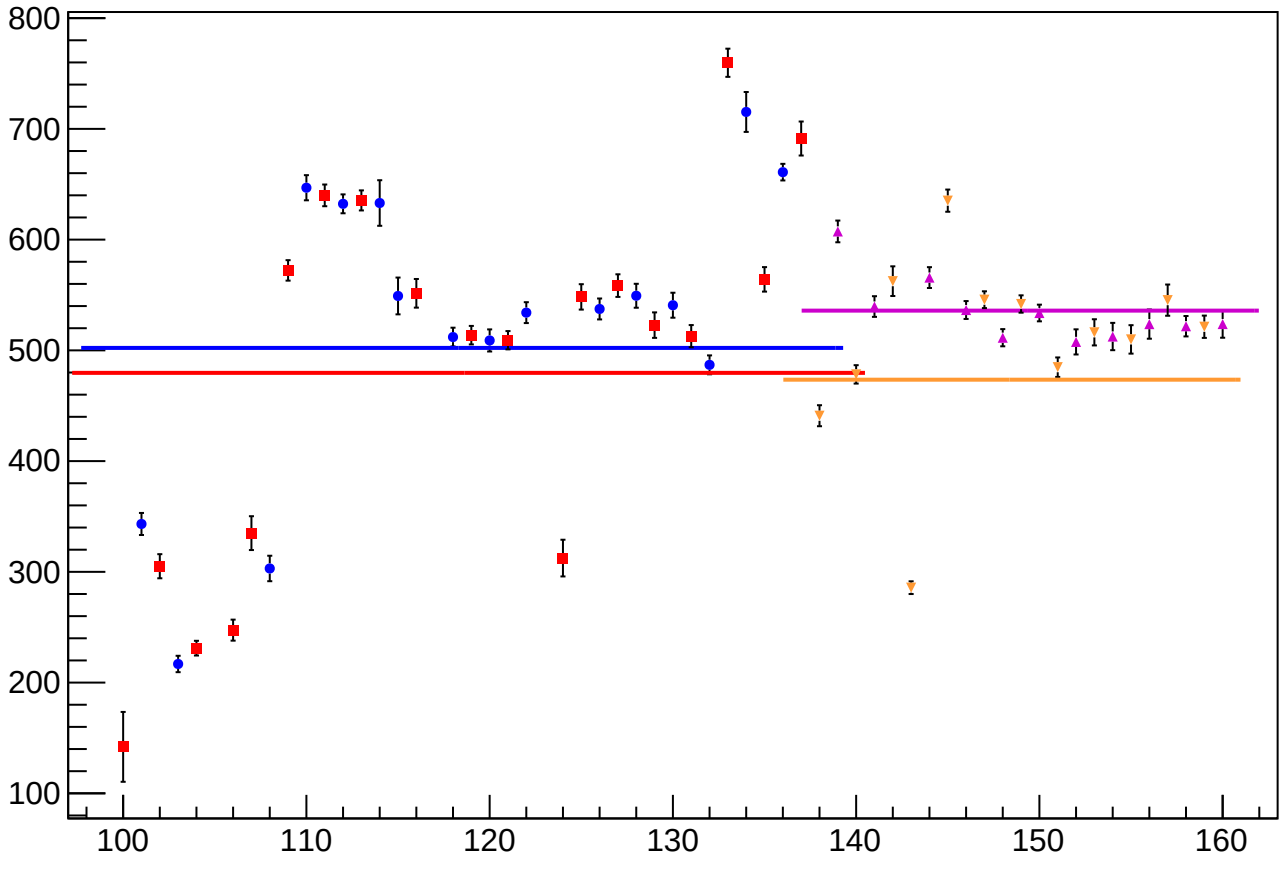
Left: 22.358+/-1.298 χ^2/NDF: 243.4/22

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 15.031+/-1.471 χ^2/NDF:288.5/26

Out: 18.462+/-1.368 χ^2/NDF:316.1/30

All: 16.871+/-1.002 χ^2/NDF: 607.5/57



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: 535.884+/-2.873 χ^2/NDF:87.4/10

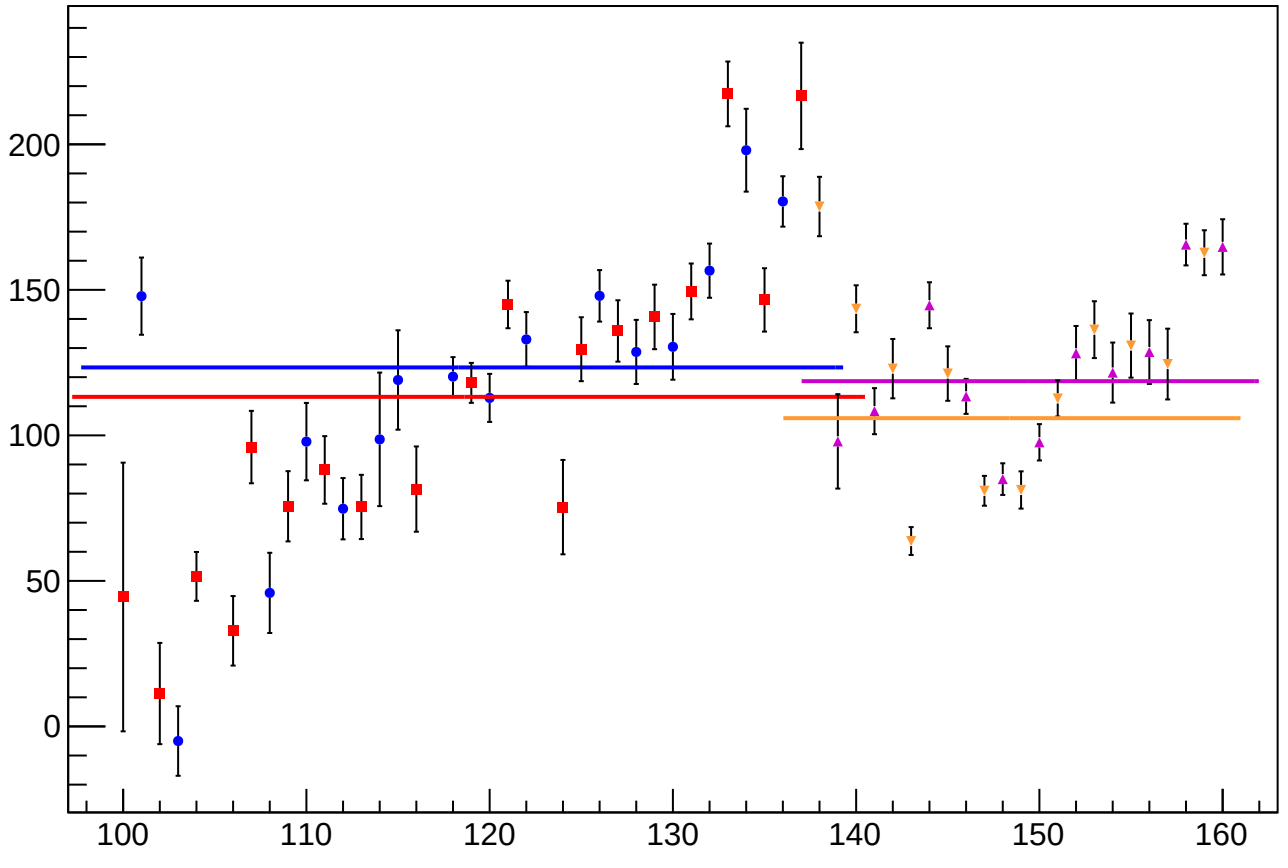
Left: 501.781+/-1.934 χ^2/NDF: 1968.8/22

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.676+/-1.883 χ^2/NDF:3300.9/26

Out: 476.863+/-1.768 χ^2/NDF:5765.2/30

All: 495.519+/-1.289 χ^2/NDF: 9303.7/57



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: 118.624+/-2.339 χ^2/NDF:133.3/10

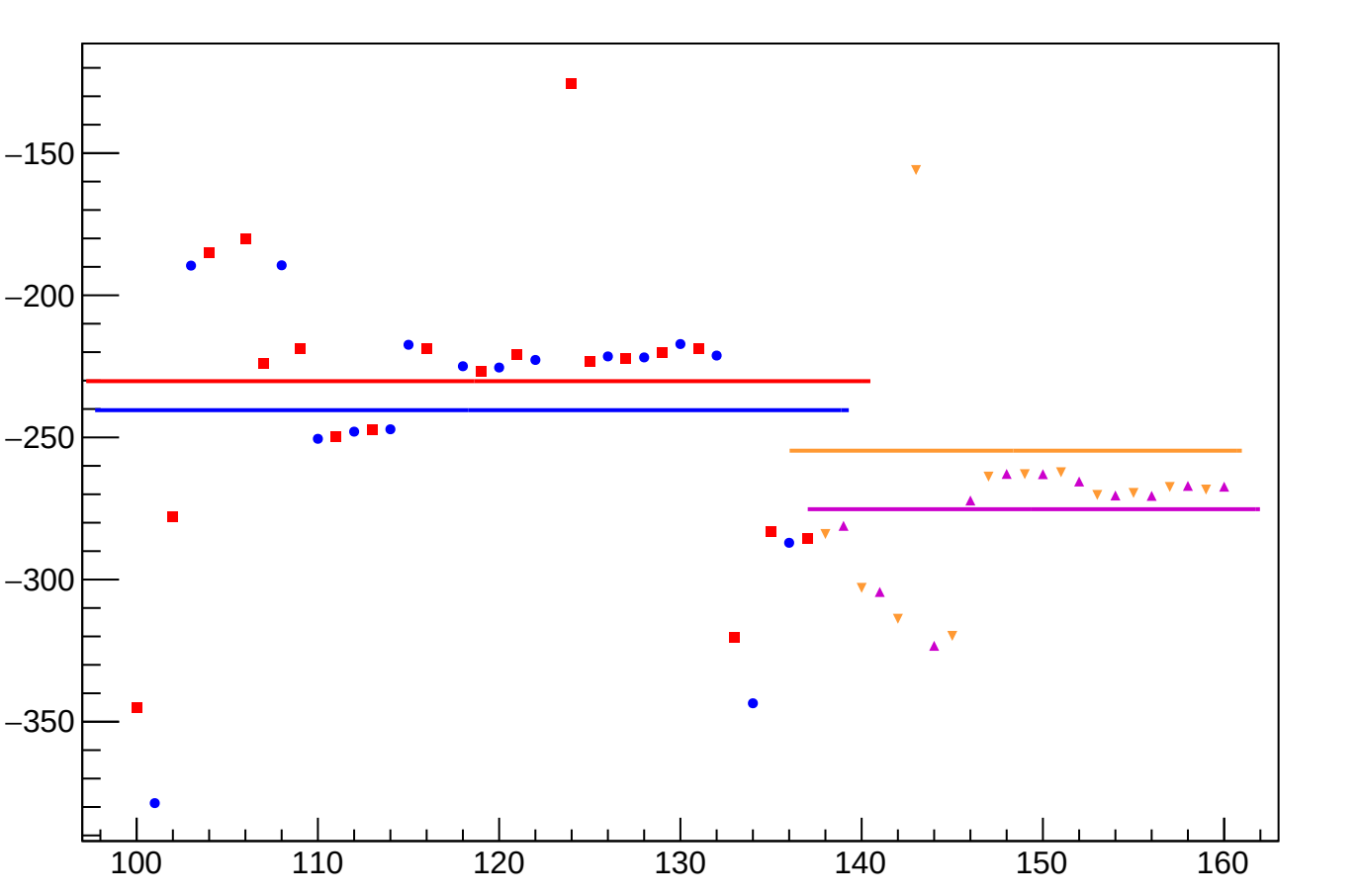
Left: 111.675+/-1.575 χ^2/NDF: 416.1/22

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 120.711+/-1.747 χ^2/NDF:406.4/26

Out: 108.929+/-1.634 χ^2/NDF:617.3/30

All: 114.425+/-1.193 χ^2/NDF: 1048.1/57



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: -275.248+/-0.110 χ^2/NDF:24149.8/10

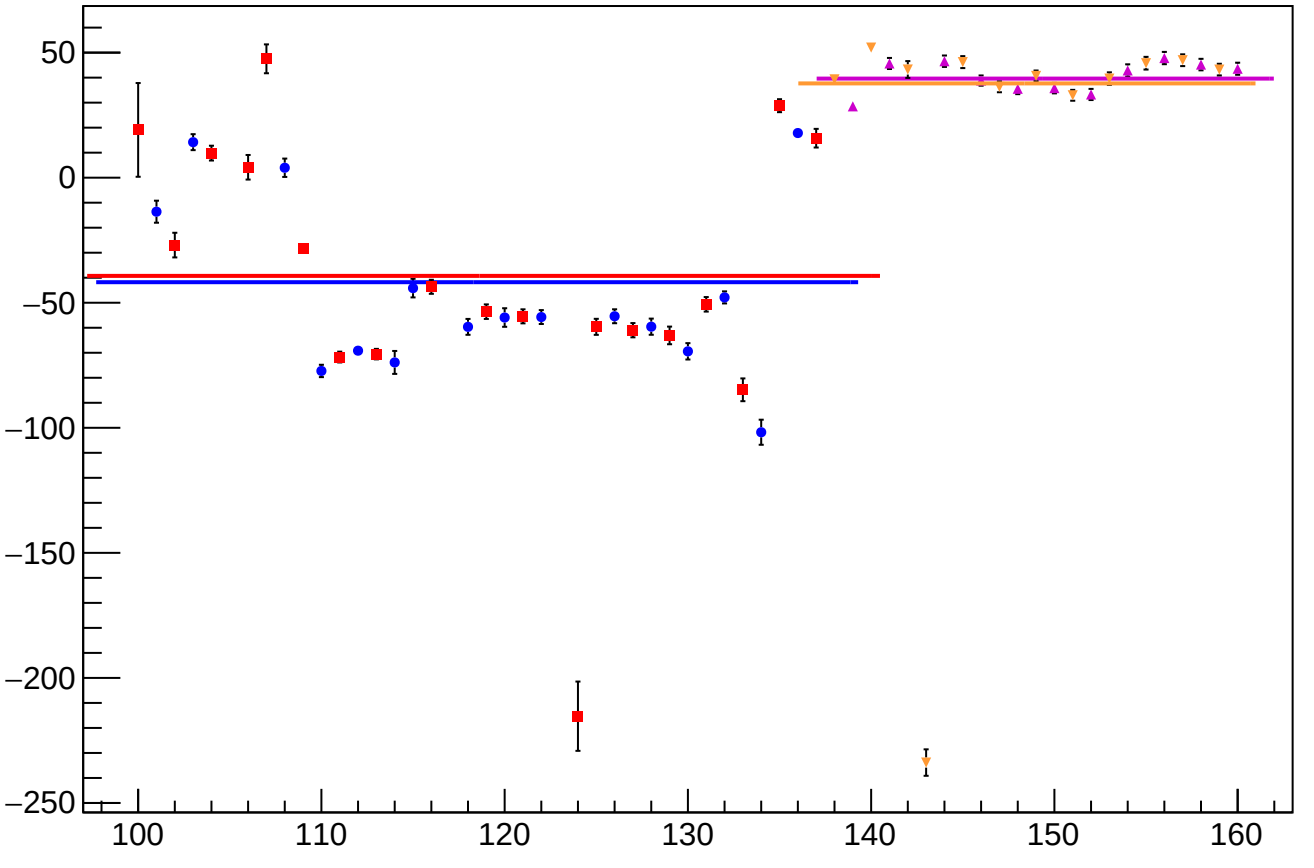
Left: -264.379+/-0.076 χ^2/NDF: 280743.8/22

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.072+/-0.089 χ^2/NDF:193101.1/26

Out: -246.424+/-0.085 χ^2/NDF:340145.6/30

All: -254.363+/-0.061 χ^2/NDF: 551532.7/57



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: 39.616+/-0.668 χ^2/NDF:86.5/10

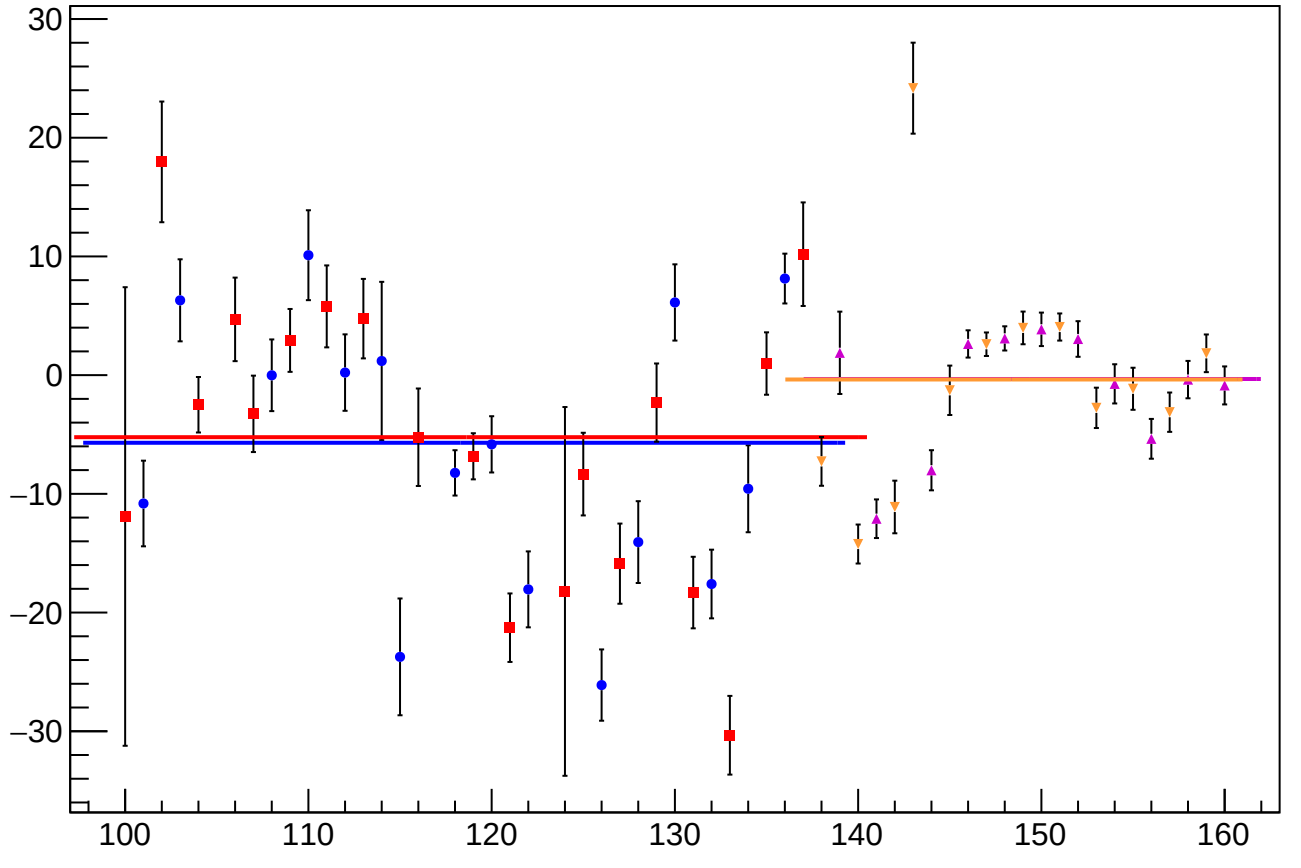
Left: 38.673+/-0.478 χ^2/NDF: 2834.0/22

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 2.118+/-0.491 χ^2/NDF:9326.9/26

Out: -0.997+/-0.482 χ^2/NDF:11596.6/30

All: 0.532+/-0.344 χ^2/NDF: 20944.0/57



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: -0.325+/-0.448 χ^2/NDF:114.3/10

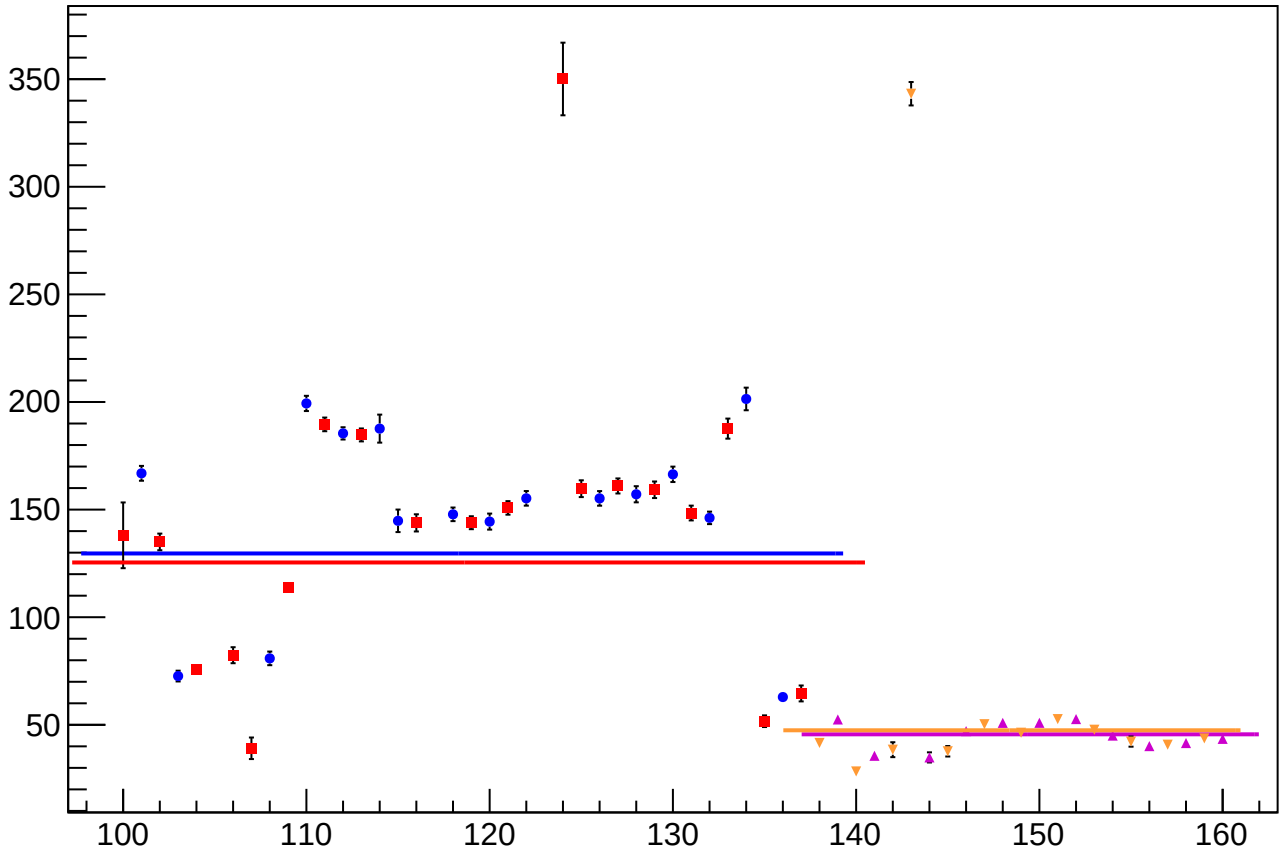
Left: -0.346+/-0.319 χ^2/NDF: 302.3/22

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -1.727+/-0.385 χ^2/NDF:348.7/26

Out: -1.697+/-0.387 χ^2/NDF:416.7/30

All: -1.712+/-0.273 χ^2/NDF: 765.3/57



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: 45.588+/-0.643 χ^2/NDF:88.4/10

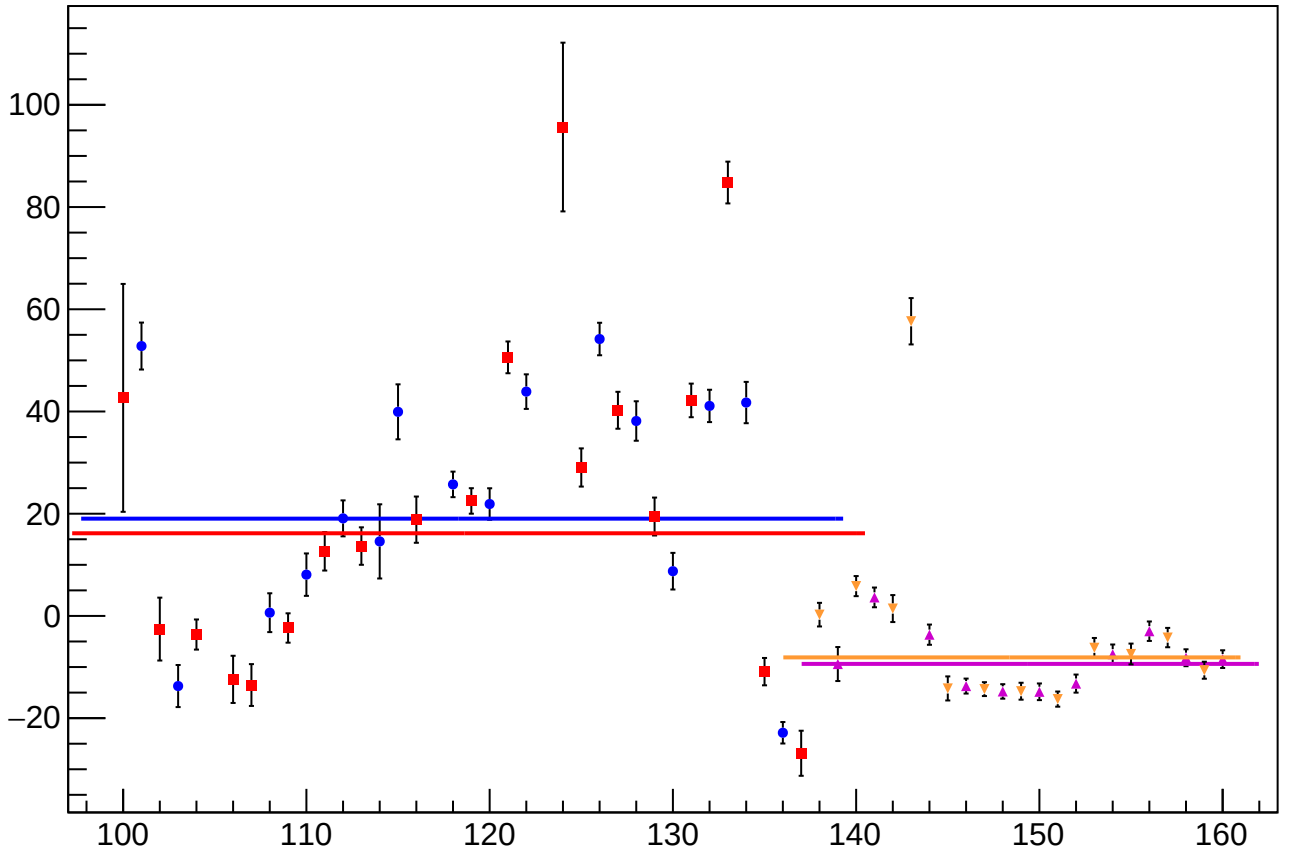
Left: 46.500+/-0.461 χ^2/NDF: 3196.2/22

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 78.547+/-0.501 χ^2/NDF:10408.4/26

Out: 79.554+/-0.507 χ^2/NDF:12342.1/30

All: 79.045+/-0.356 χ^2/NDF: 22752.5/57



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: -9.384+/-0.533 χ^2/NDF:106.0/10

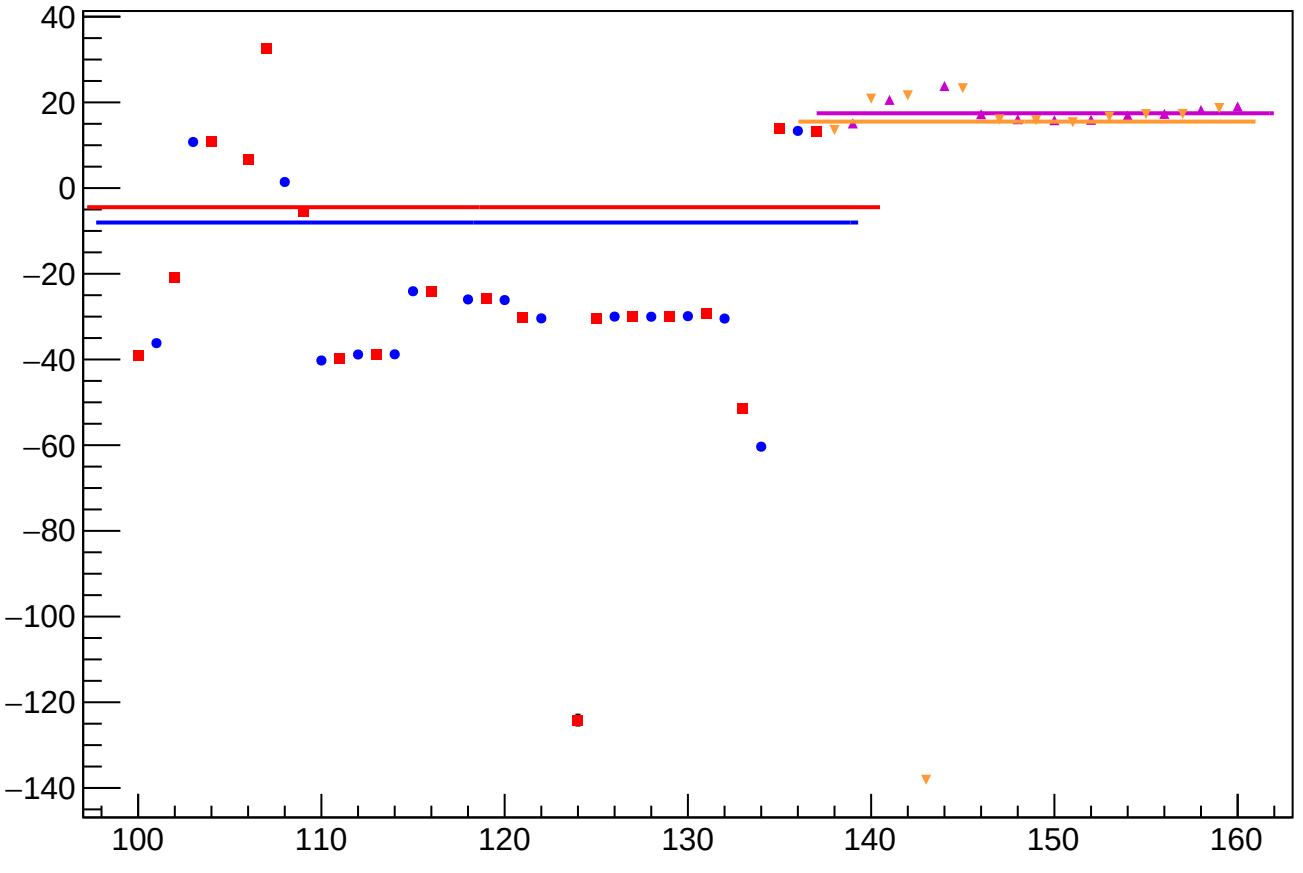
Left: -8.766+/-0.382 χ^2/NDF: 477.1/22

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.504+/-0.453 χ^2/NDF:1753.5/26

Out: -0.941+/-0.460 χ^2/NDF:1890.4/30

All: -1.227+/-0.323 χ^2/NDF: 3644.7/57



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: 17.461+/-0.024 χ^2/NDF:7571.1/10

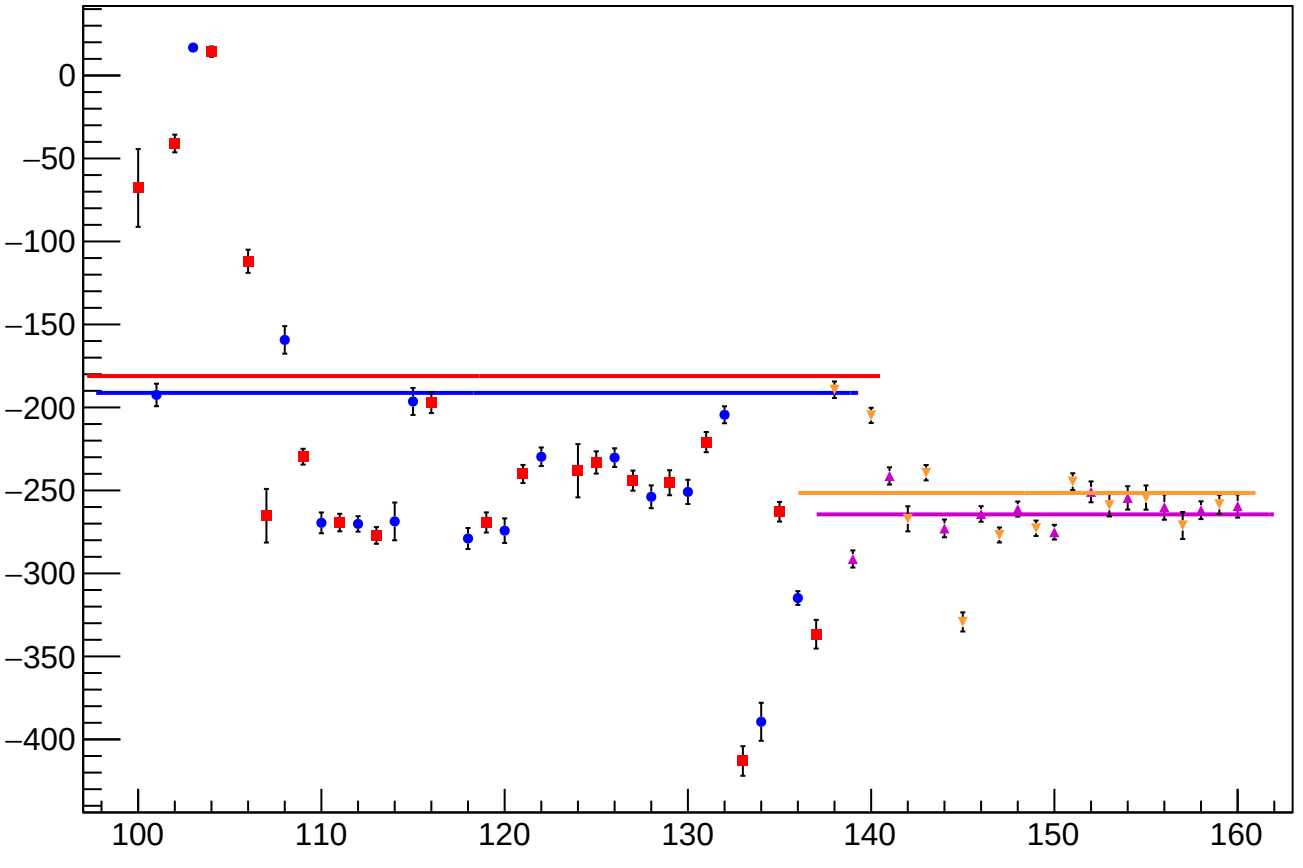
Left: 16.532+/-0.017 χ^2/NDF: 486458.8/22

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 11.946+/-0.021 χ^2/NDF:518072.6/26

Out: 11.029+/-0.022 χ^2/NDF:845484.9/30

All: 11.506+/-0.015 χ^2/NDF: 1364444.8/57



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: -264.439+/-1.640 χ^2/NDF:63.4/10

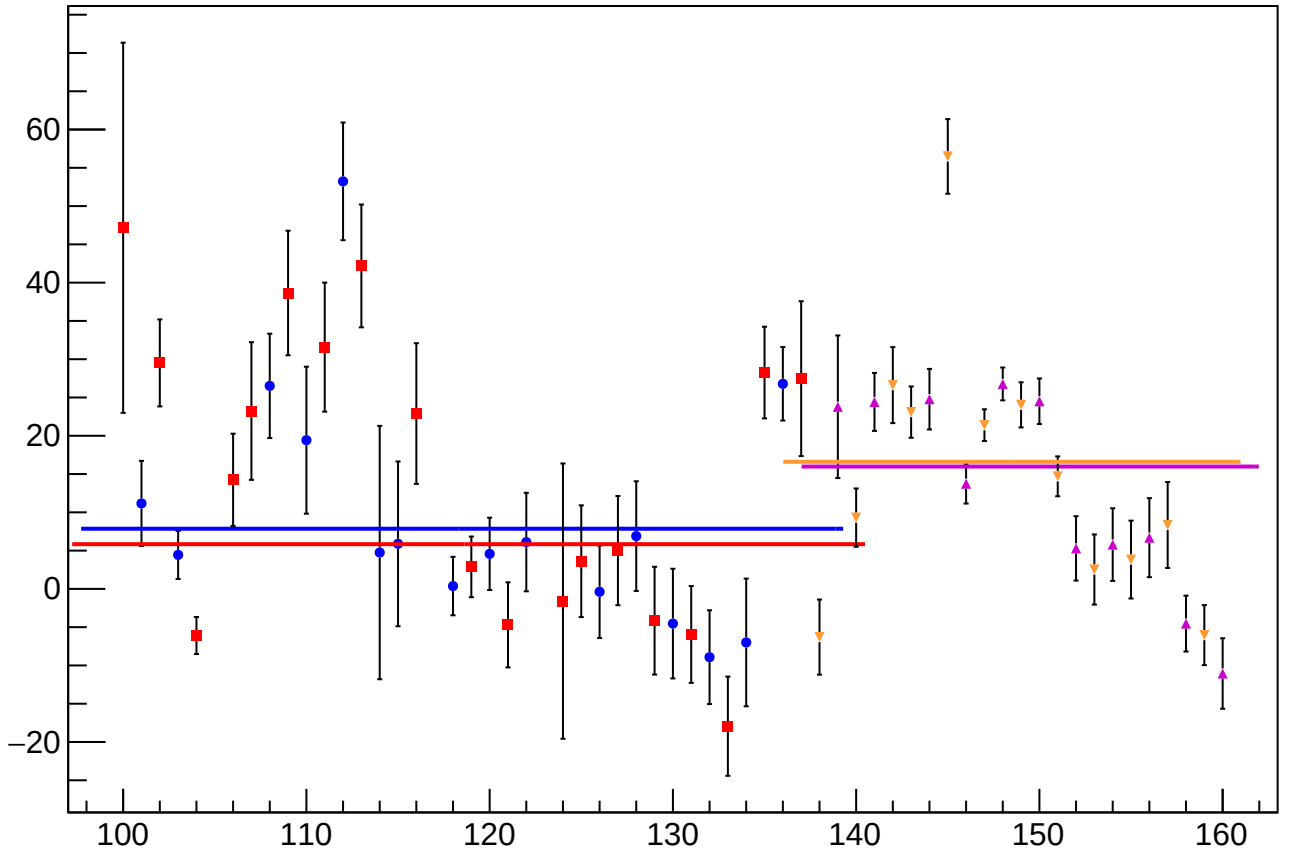
Left: -257.731+/-1.137 χ^2/NDF: 609.8/22

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -222.552+/-1.073 χ^2/NDF:8427.8/26

Out: -211.698+/-1.040 χ^2/NDF:9016.8/30

All: -216.953+/-0.747 χ^2/NDF: 17497.4/57



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: 15.979+/-1.063 χ^2/NDF:125.3/10

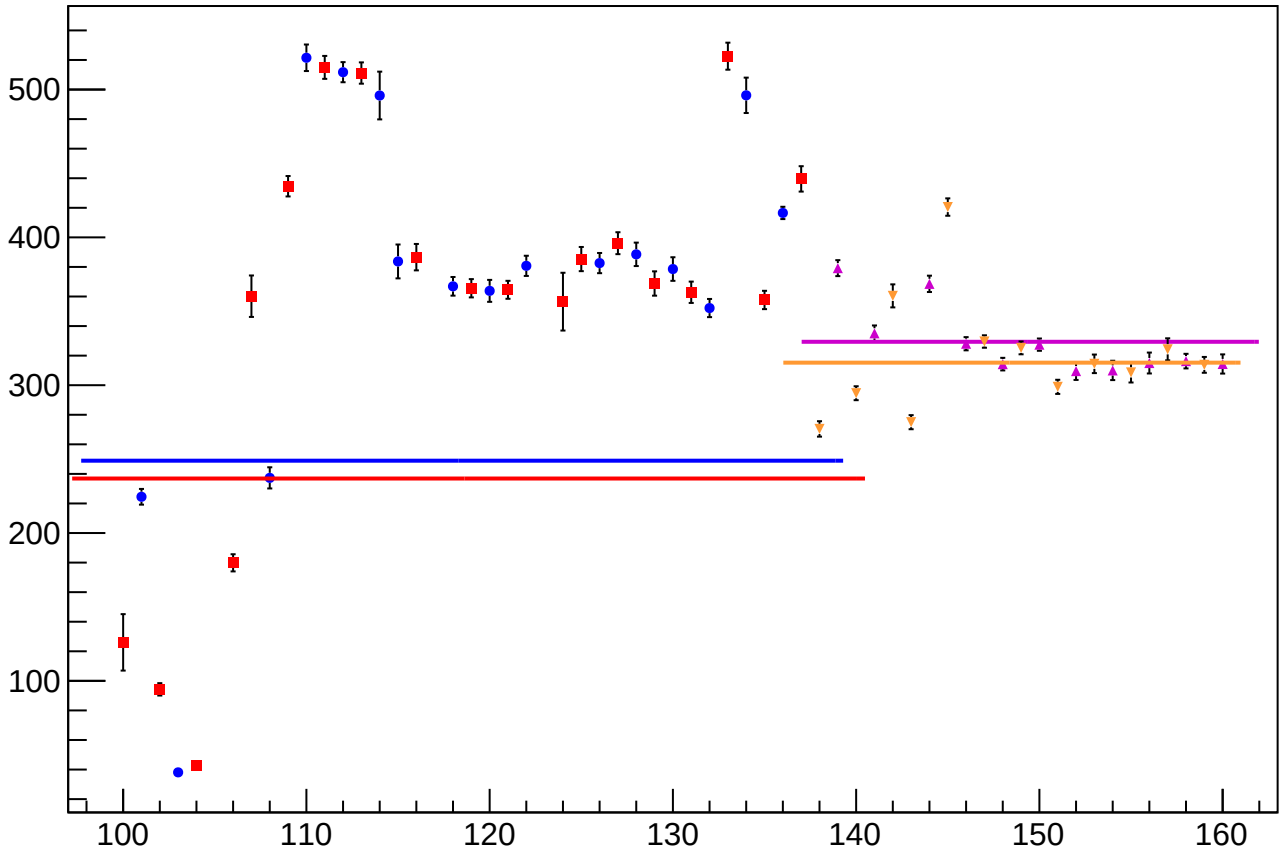
Left: 16.302+/-0.736 χ^2/NDF: 289.1/22

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 13.109+/-0.855 χ^2/NDF:226.8/26

Out: 12.705+/-0.815 χ^2/NDF:345.7/30

All: 12.898+/-0.590 χ^2/NDF: 572.7/57



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: 329.366+/-1.578 χ^2/NDF:185.6/10

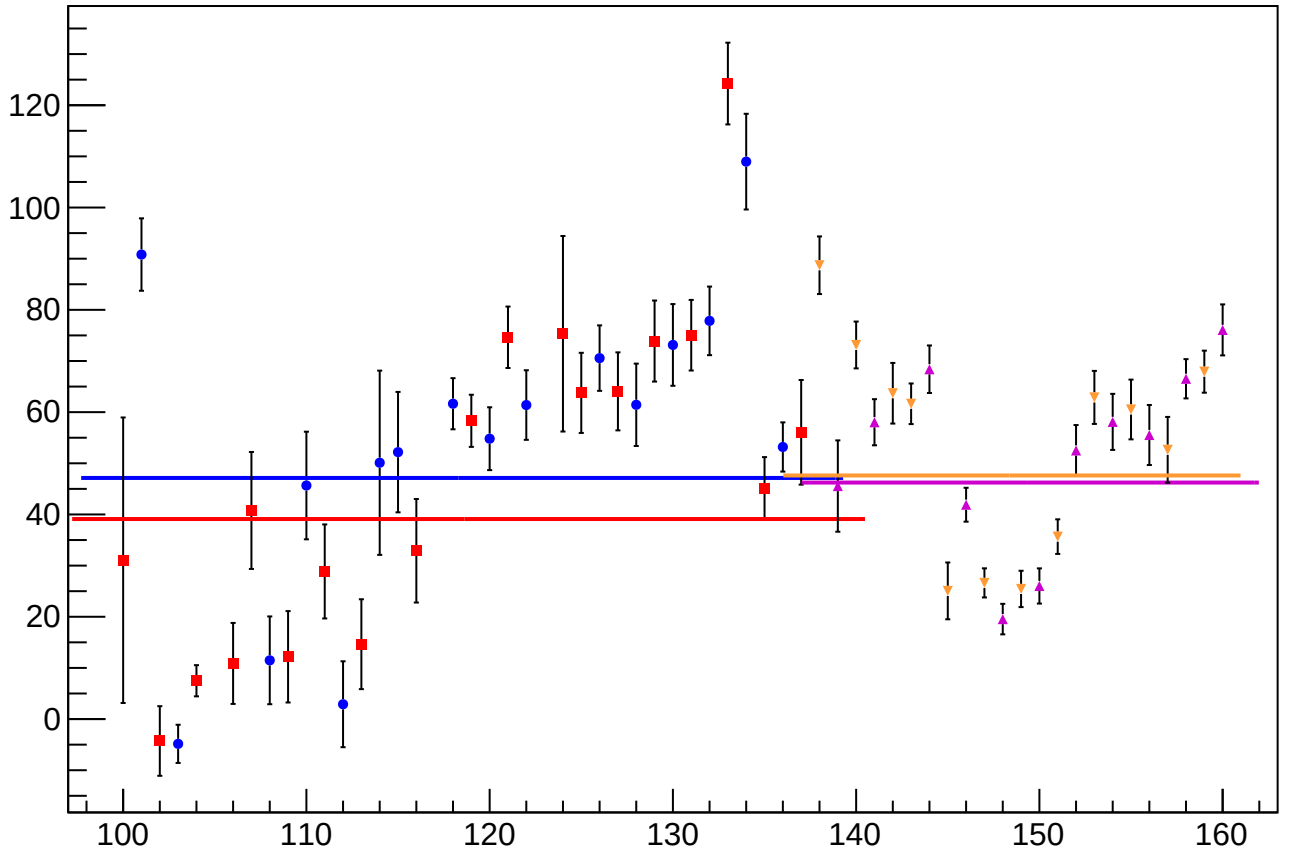
Left: 322.114+/-1.100 χ^2/NDF: 775.7/22

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 284.966+/-1.056 χ^2/NDF:16921.7/26

Out: 272.647+/-1.037 χ^2/NDF:17623.5/30

All: 278.694+/-0.740 χ^2/NDF: 34614.5/57



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: 46.235+/-1.283 χ^2/NDF:218.4/10

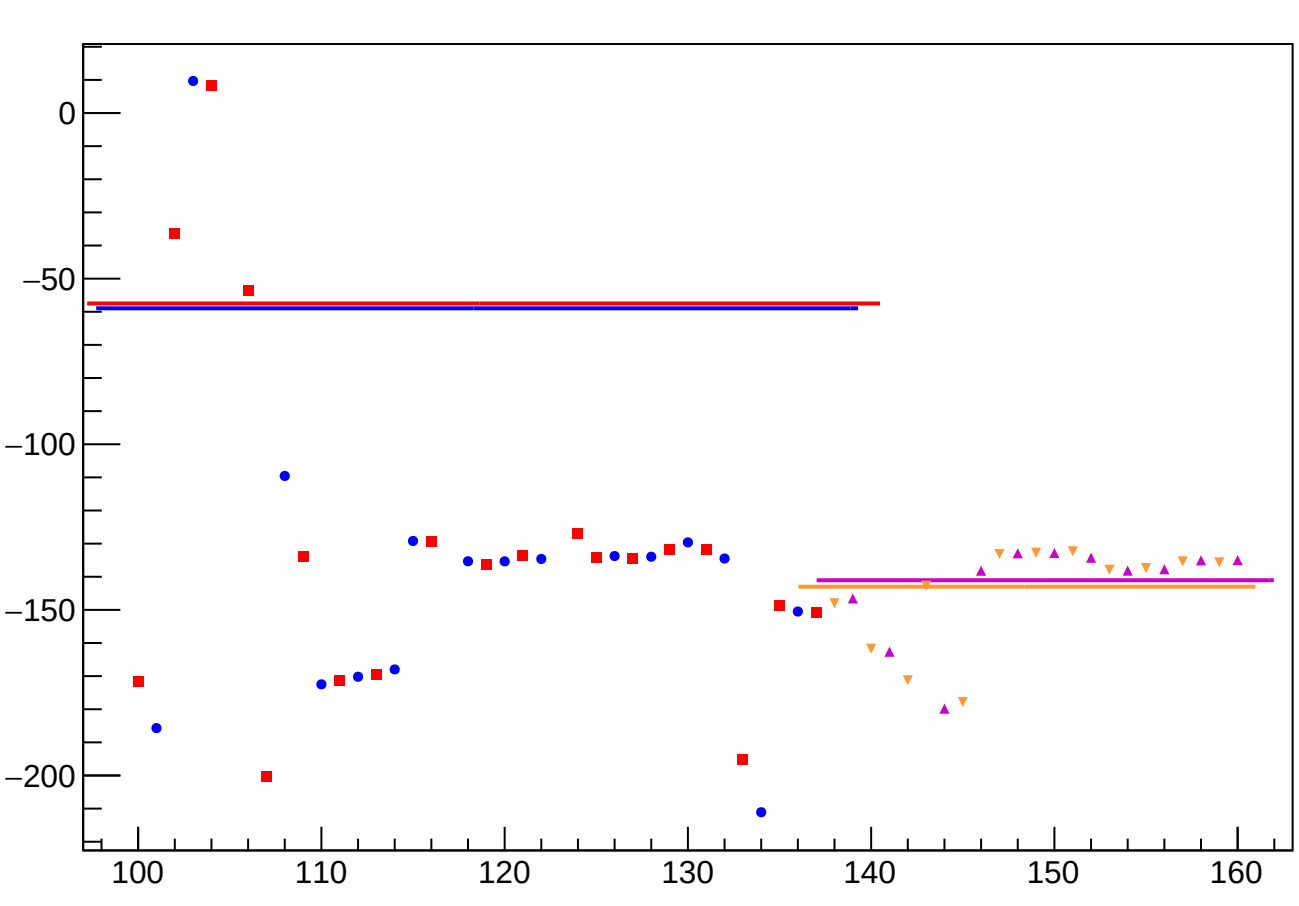
Left: 46.948+/-0.894 χ^2/NDF: 484.1/22

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 46.570+/-1.017 χ^2/NDF:603.9/26

Out: 44.394+/-0.982 χ^2/NDF:699.2/30

All: 45.444+/-0.707 χ^2/NDF: 1305.5/57



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: -141.058+/-0.060 χ^2/NDF:43231.5/10

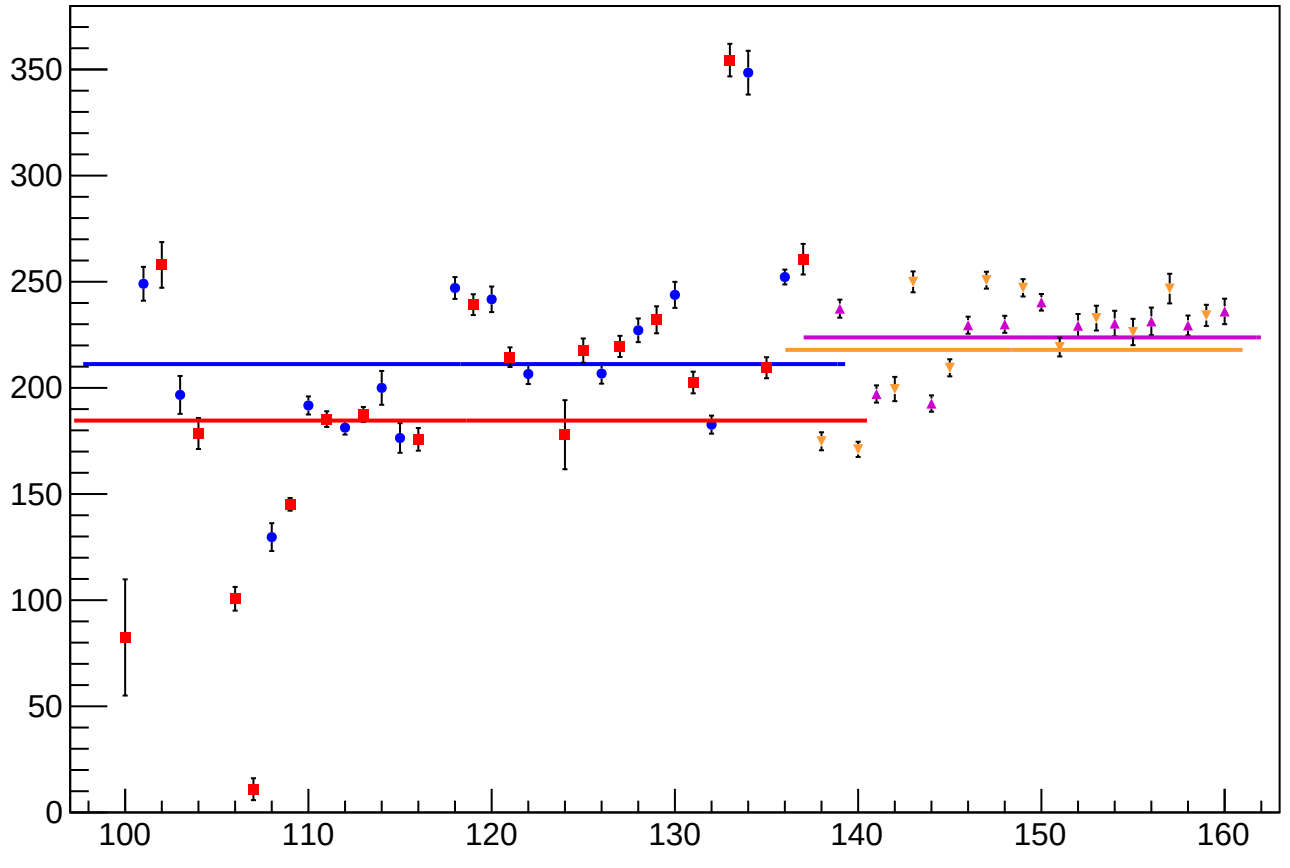
Left: -142.026+/-0.043 χ^2/NDF: 95150.7/22

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -107.508+/-0.046 χ^2/NDF:2026468.8/26

Out: -108.779+/-0.047 χ^2/NDF:1717847.6/30

All: -108.136+/-0.033 χ^2/NDF: 3744686.6/57



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: 223.779+/-1.371 χ^2/NDF:150.2/10

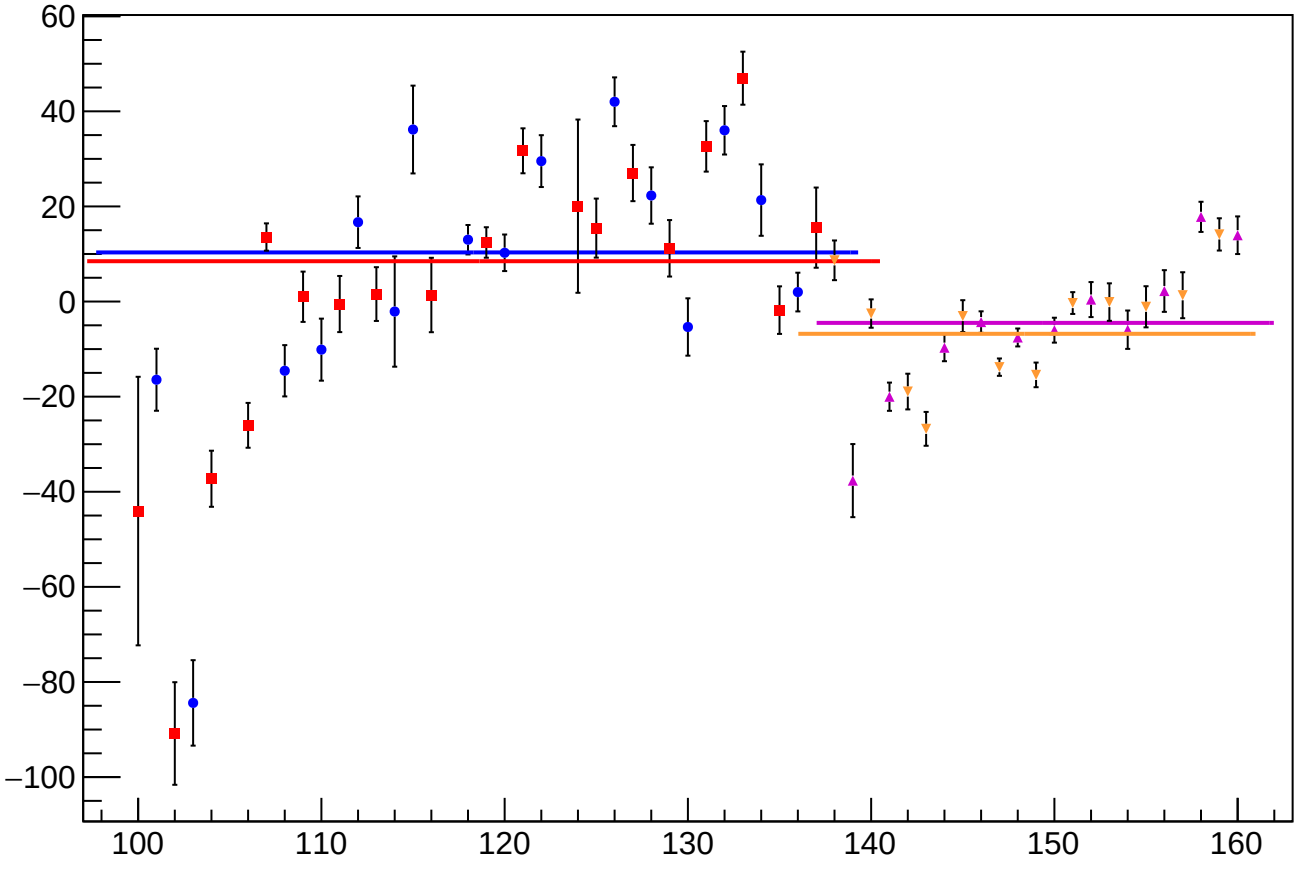
Left: 220.778+/-0.958 χ^2/NDF: 646.3/22

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 217.138+/-0.942 χ^2/NDF:977.6/26

Out: 199.349+/-0.891 χ^2/NDF:3371.3/30

All: 207.754+/-0.647 χ^2/NDF: 4537.1/57



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: -4.487+/-0.903 χ^2/NDF:127.7/10

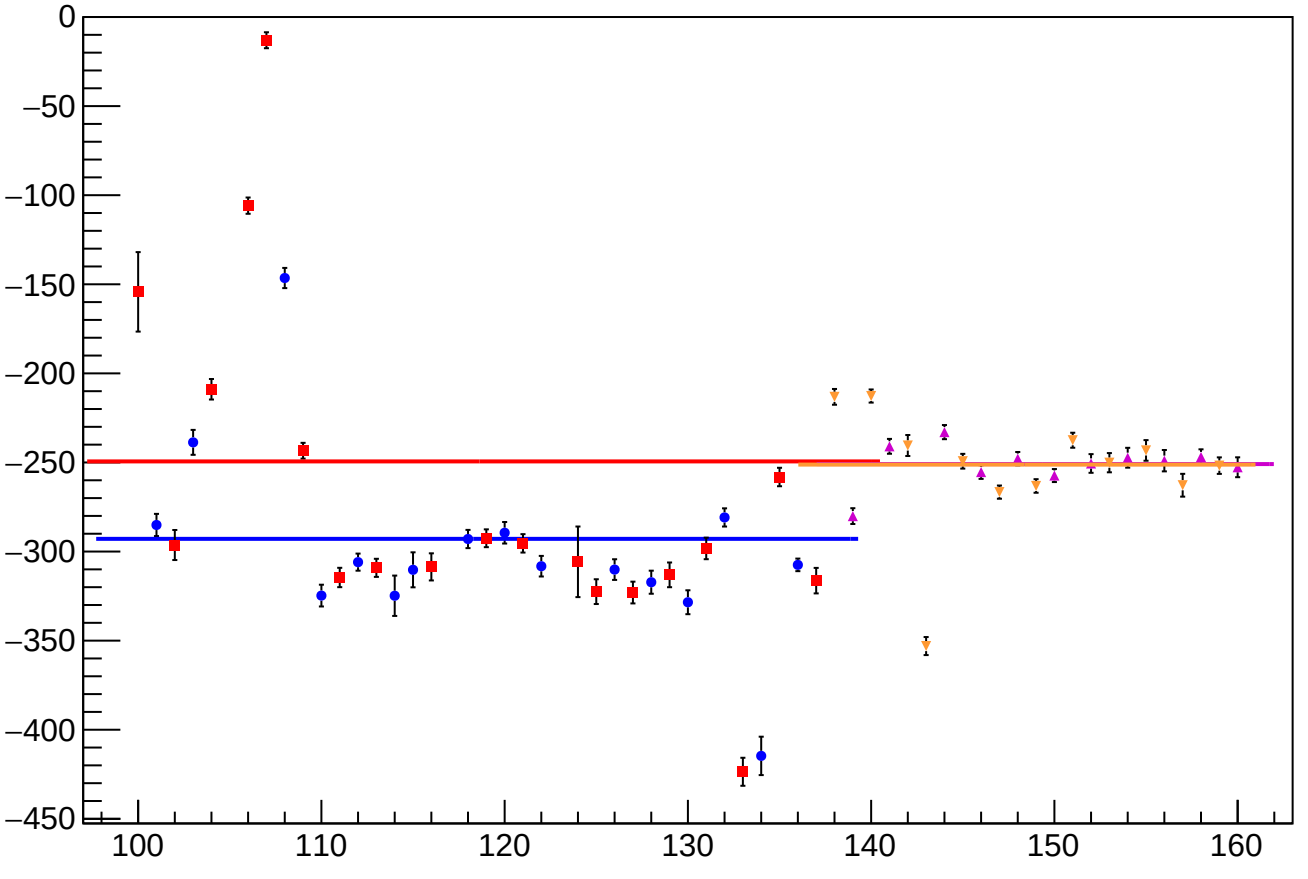
Left: -5.668+/-0.630 χ^2/NDF: 269.2/22

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 0.172+/-0.747 χ^2/NDF:475.7/26

Out: -1.599+/-0.714 χ^2/NDF:563.1/30

All: -0.754+/-0.516 χ^2/NDF: 1041.7/57



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: -250.905+/-1.326 χ^2/NDF:76.1/10

Left: -251.051+/-0.931 χ^2/NDF: 710.1/22

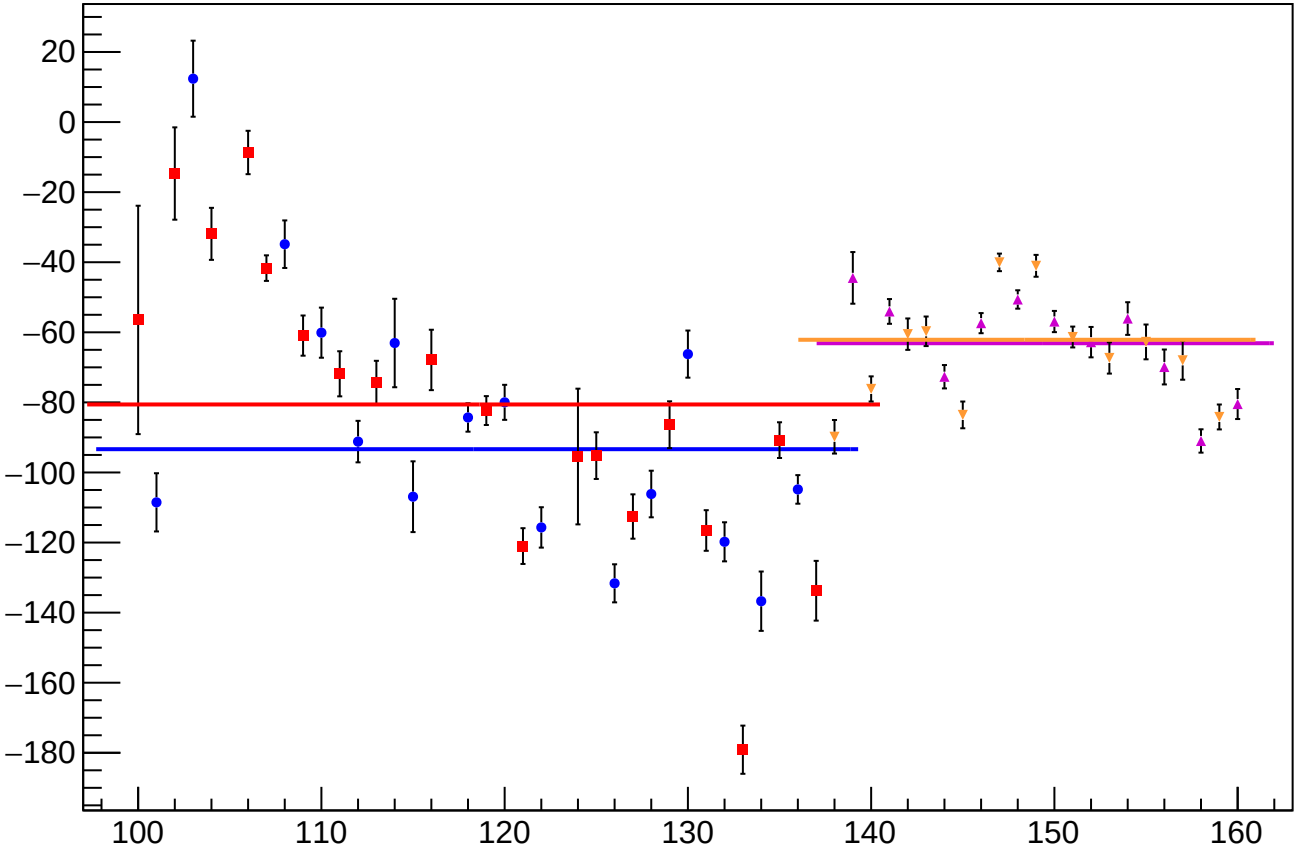
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -269.764+/-0.984 χ^2/NDF:1509.9/26

Out: -250.340+/-0.946 χ^2/NDF:6003.3/30

All: -259.670+/-0.682 χ^2/NDF: 7715.8/57

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -63.116+/-1.086 χ^2/NDF:142.6/10

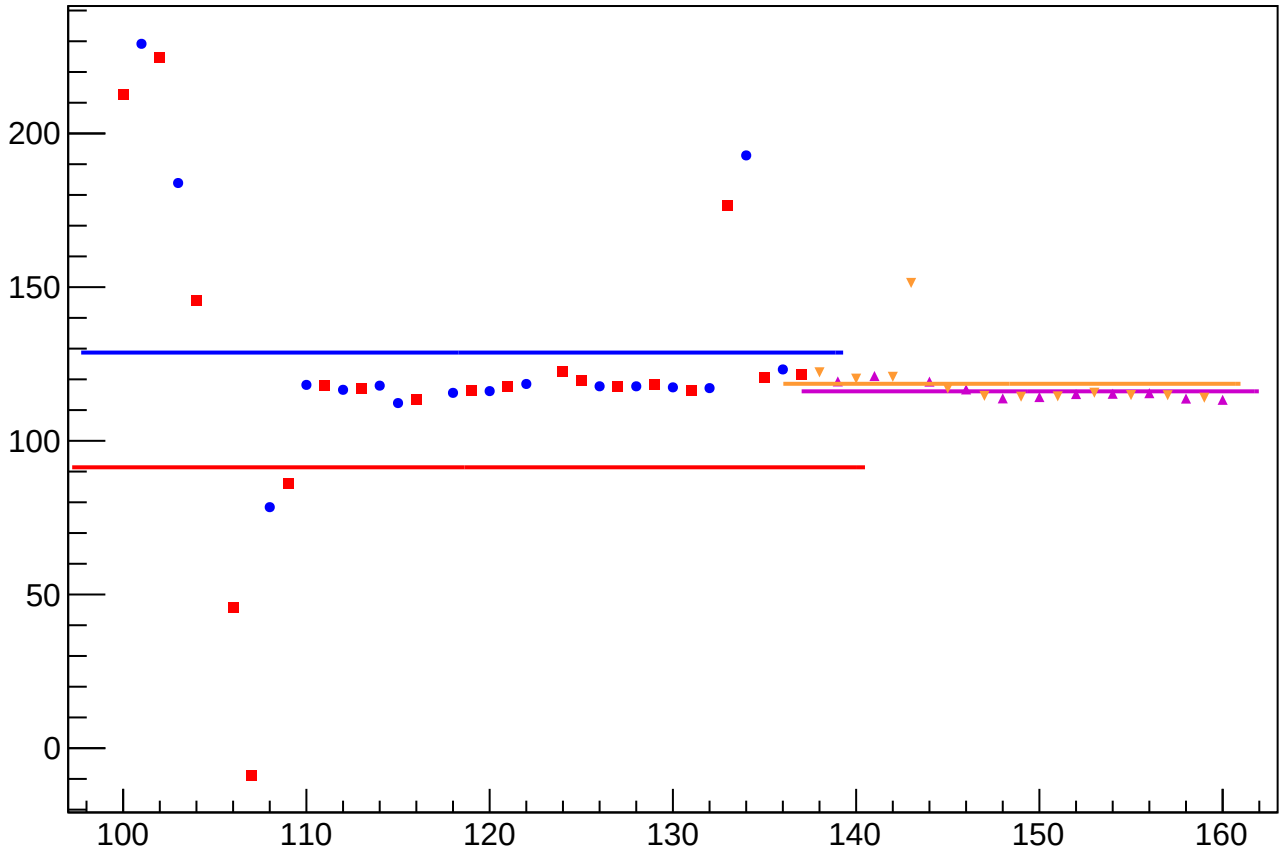
Left: -62.616+/-0.762 χ^2/NDF: 388.3/22

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -73.210+/-0.886 χ^2/NDF:756.8/26

Out: -68.792+/-0.855 χ^2/NDF:1068.0/30

All: -70.922+/-0.616 χ^2/NDF: 1837.6/57



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: 116.103+/-0.051 χ^2/NDF:2476.4/10

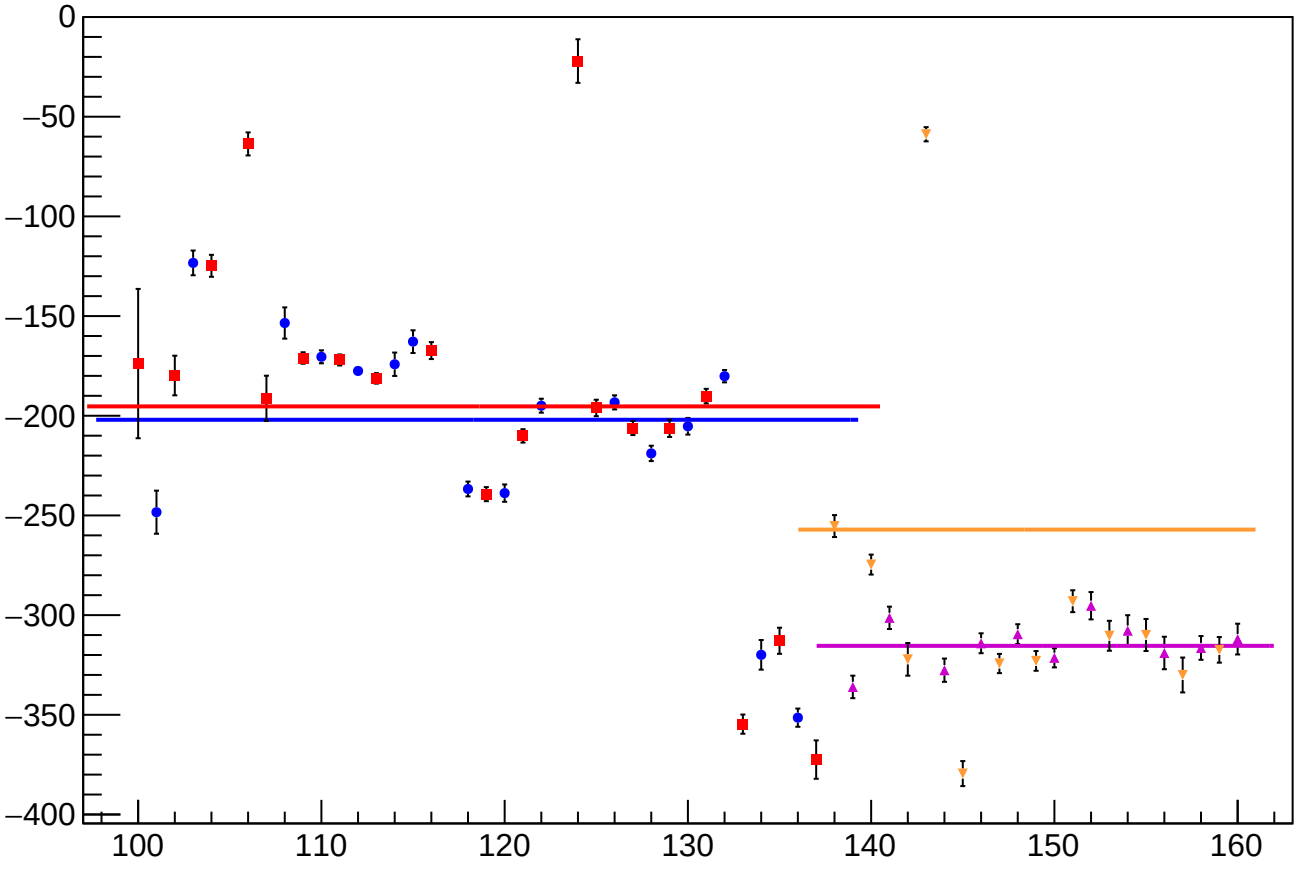
Left: 117.311+/-0.036 χ^2/NDF: 32081.8/22

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 119.206+/-0.044 χ^2/NDF:201093.5/26

Out: 110.418+/-0.043 χ^2/NDF:716110.0/30

All: 114.717+/-0.031 χ^2/NDF: 937385.0/57



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: -315.412+/-1.784 χ^2/NDF:37.0/10

Left: -283.512+/-1.201 χ^2/NDF: 4847.7/22

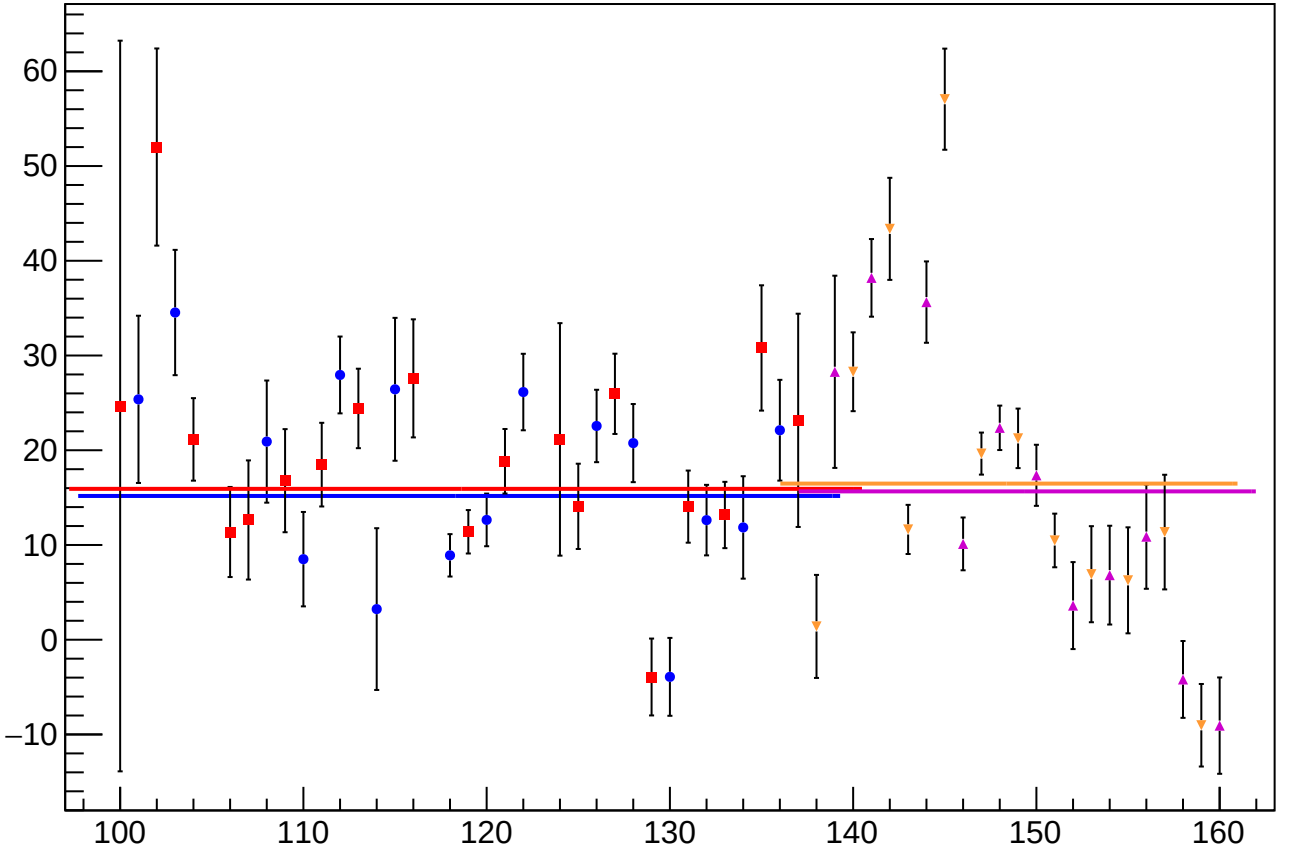
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -230.122+/-0.888 χ^2/NDF:5115.9/26

Out: -211.676+/-0.835 χ^2/NDF:8392.9/30

All: -220.333+/-0.608 χ^2/NDF: 13737.7/57

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 15.657+/-1.157 χ^2/NDF:124.0/10

Left: 16.104+/-0.782 χ^2/NDF: 276.9/22

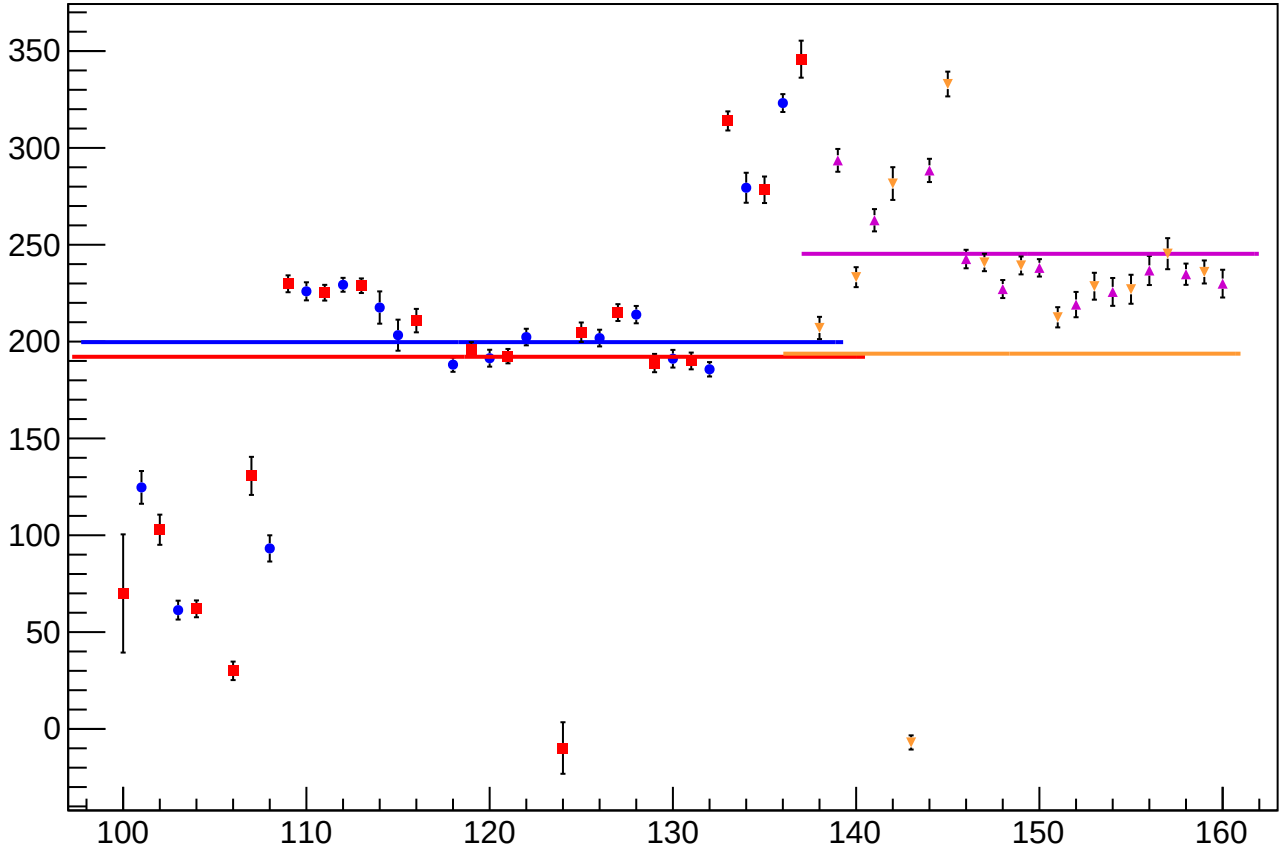
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 15.392+/-0.777 χ^2/NDF:196.4/26

Out: 16.196+/-0.741 χ^2/NDF:216.3/30

All: 15.813+/-0.536 χ^2/NDF: 413.3/57

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: 245.320+/-1.717 χ^2/NDF:179.0/10

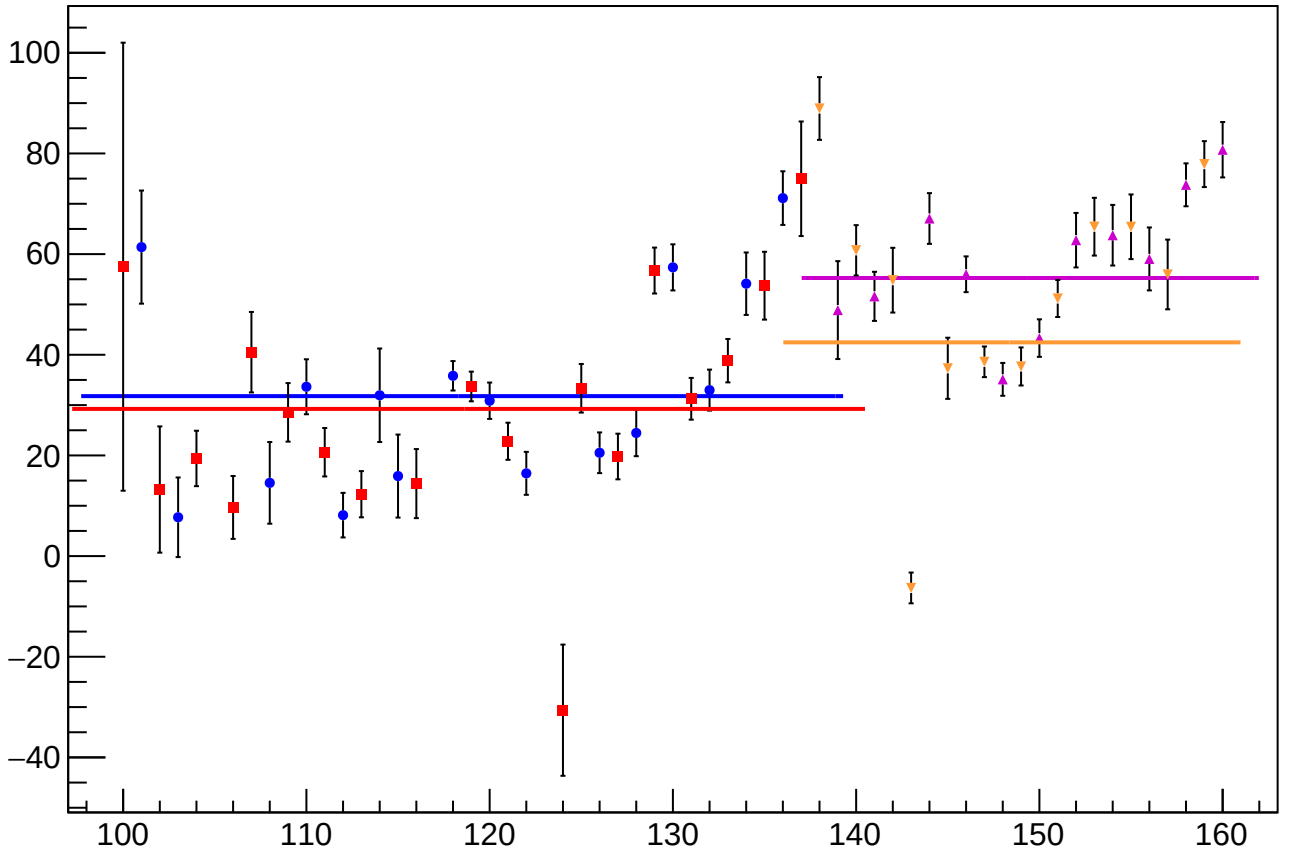
Left: 217.536+/-1.166 χ^2/NDF: 4675.3/22

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.615+/-0.981 χ^2/NDF:2755.6/26

Out: 192.709+/-0.932 χ^2/NDF:7788.2/30

All: 203.095+/-0.676 χ^2/NDF: 10805.9/57



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: 55.255+/-1.397 χ^2/NDF:99.5/10

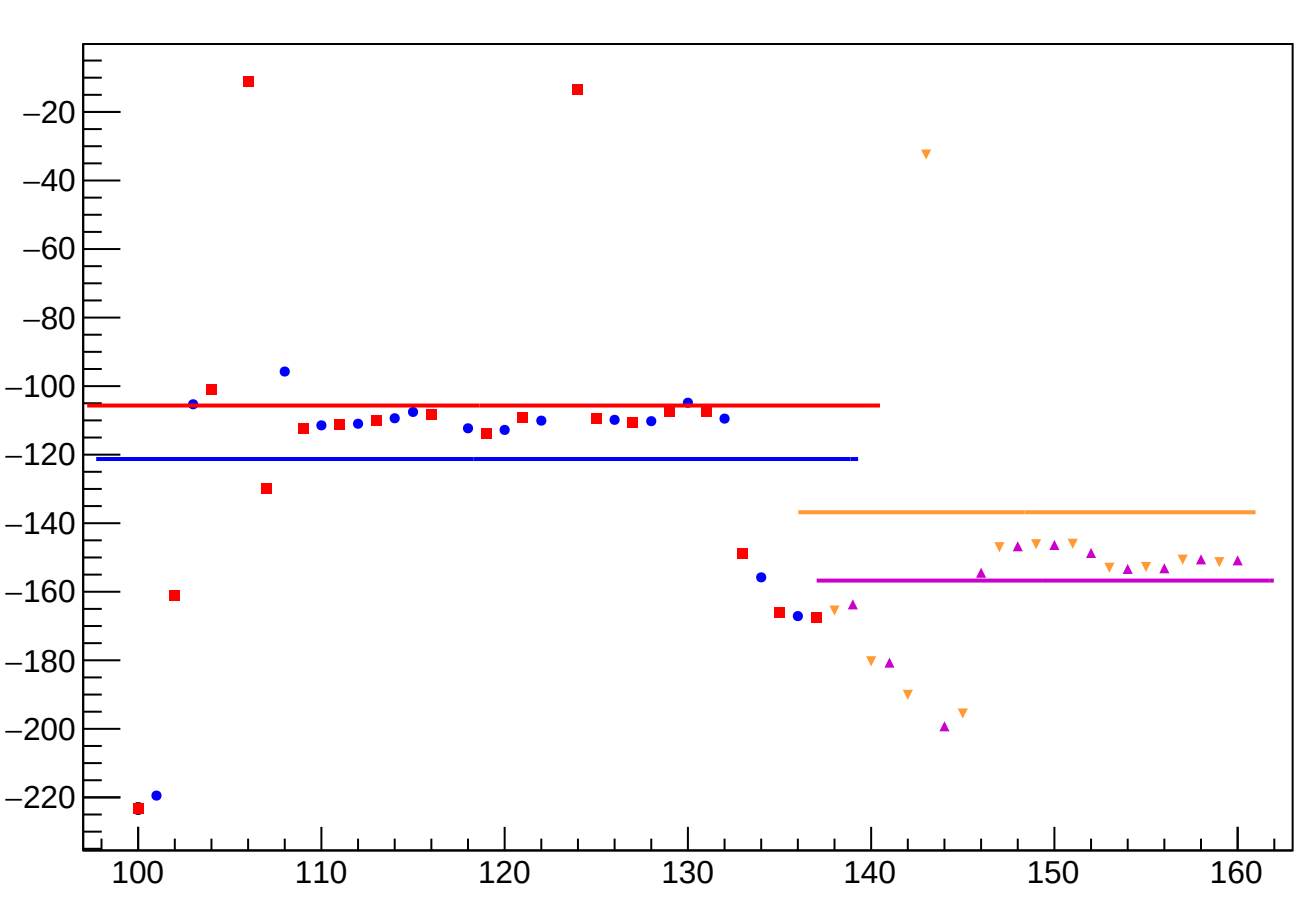
Left: 48.360+/-0.949 χ^2/NDF: 574.2/22

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 41.905+/-0.917 χ^2/NDF:437.0/26

Out: 35.348+/-0.878 χ^2/NDF:626.7/30

All: 38.482+/-0.634 χ^2/NDF: 1090.4/57



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: -156.738+/-0.066 χ^2/NDF:45713.9/10

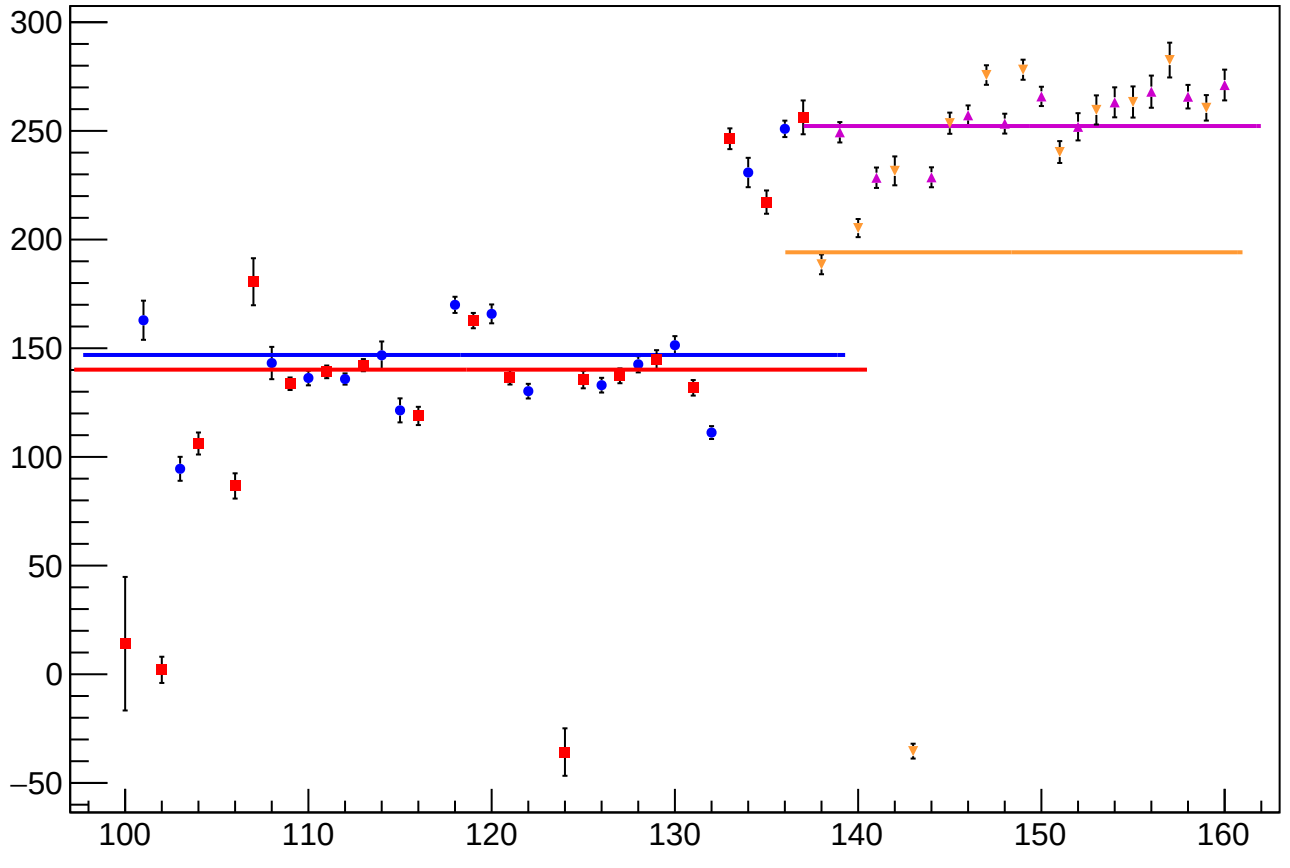
Left: -146.361+/-0.046 χ^2/NDF: 717262.9/22

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.278+/-0.051 χ^2/NDF:283847.6/26

Out: -123.837+/-0.048 χ^2/NDF:1080170.9/30

All: -132.612+/-0.035 χ^2/NDF: 1433678.0/57



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: 252.240+/-1.573 χ^2/NDF:83.5/10

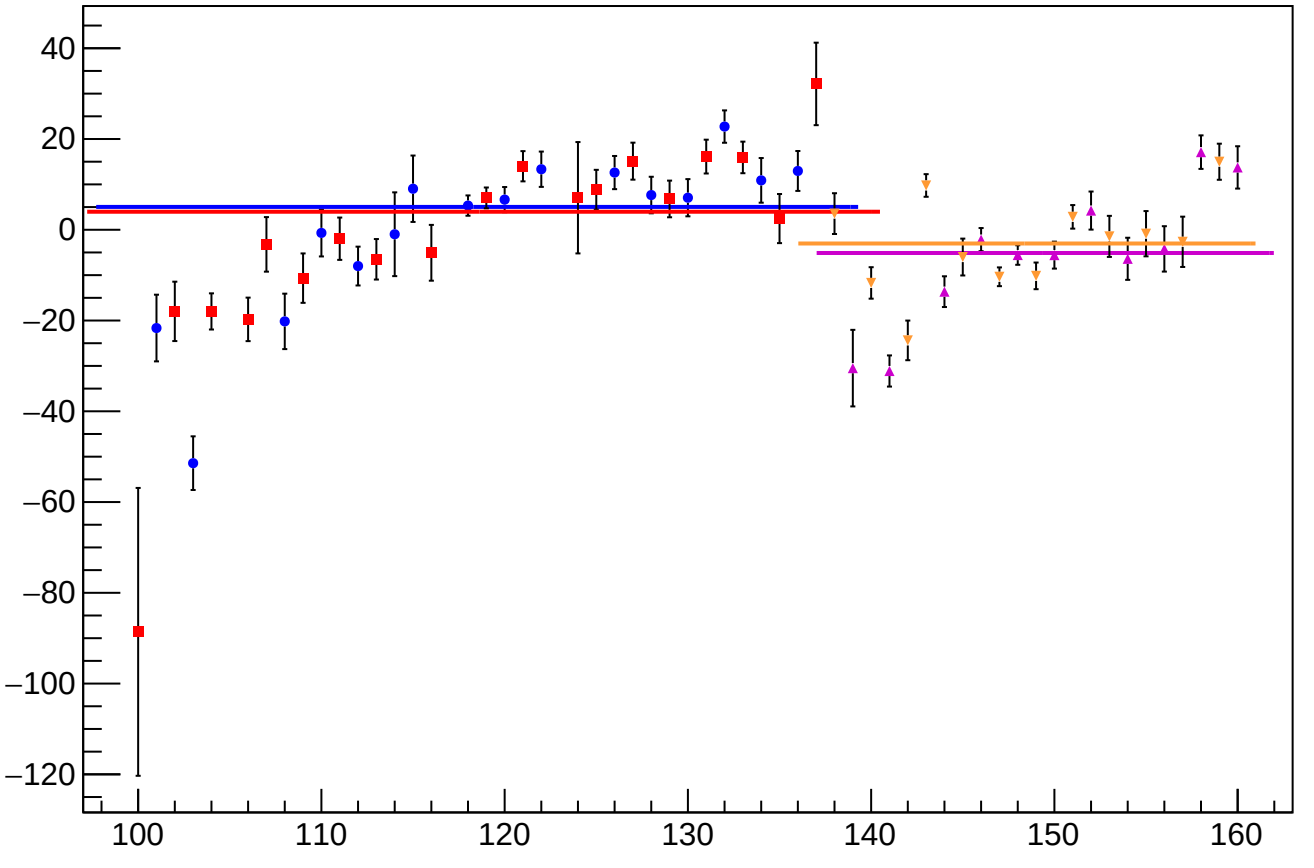
Left: 220.756+/-1.064 χ^2/NDF: 6701.5/22

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

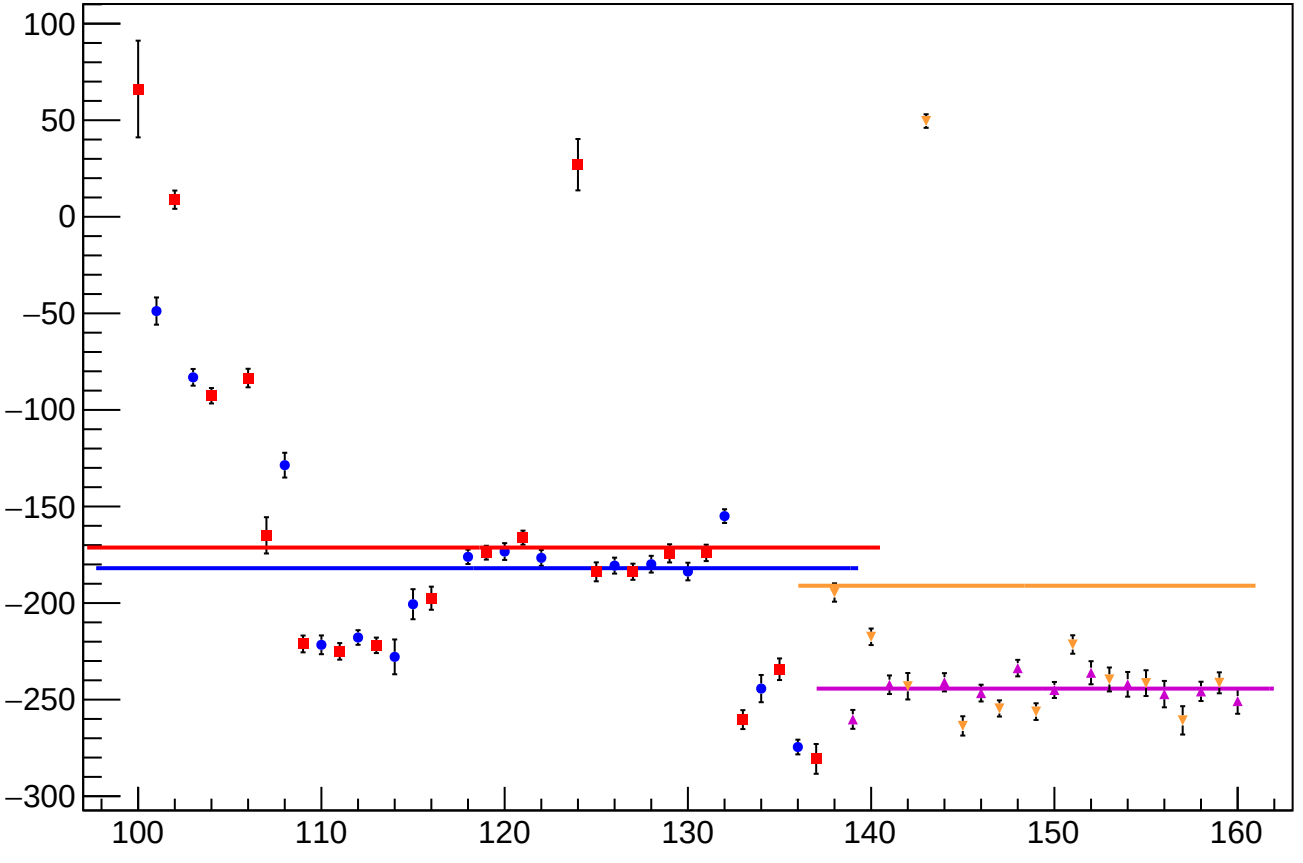
In: 177.375+/-0.846 χ^2/NDF:4573.9/26

Out: 156.673+/-0.800 χ^2/NDF:8796.9/30

All: 166.445+/-0.581 χ^2/NDF: 13687.0/57


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -3.026+/-0.958 χ²/NDF:103.6/11
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -5.116+/-1.036 χ²/NDF:131.7/10
Left: -3.989+/-0.703 χ²/NDF: 237.5/22
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 0.036+/-0.727 χ²/NDF:352.3/26
Out: 0.282+/-0.696 χ²/NDF:273.7/30
All: 0.165+/-0.503 χ²/NDF: 626.1/57

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: -244.295+/-1.520 χ^2/NDF:21.0/10

Left: -215.833+/-1.038 χ^2/NDF: 6458.3/22

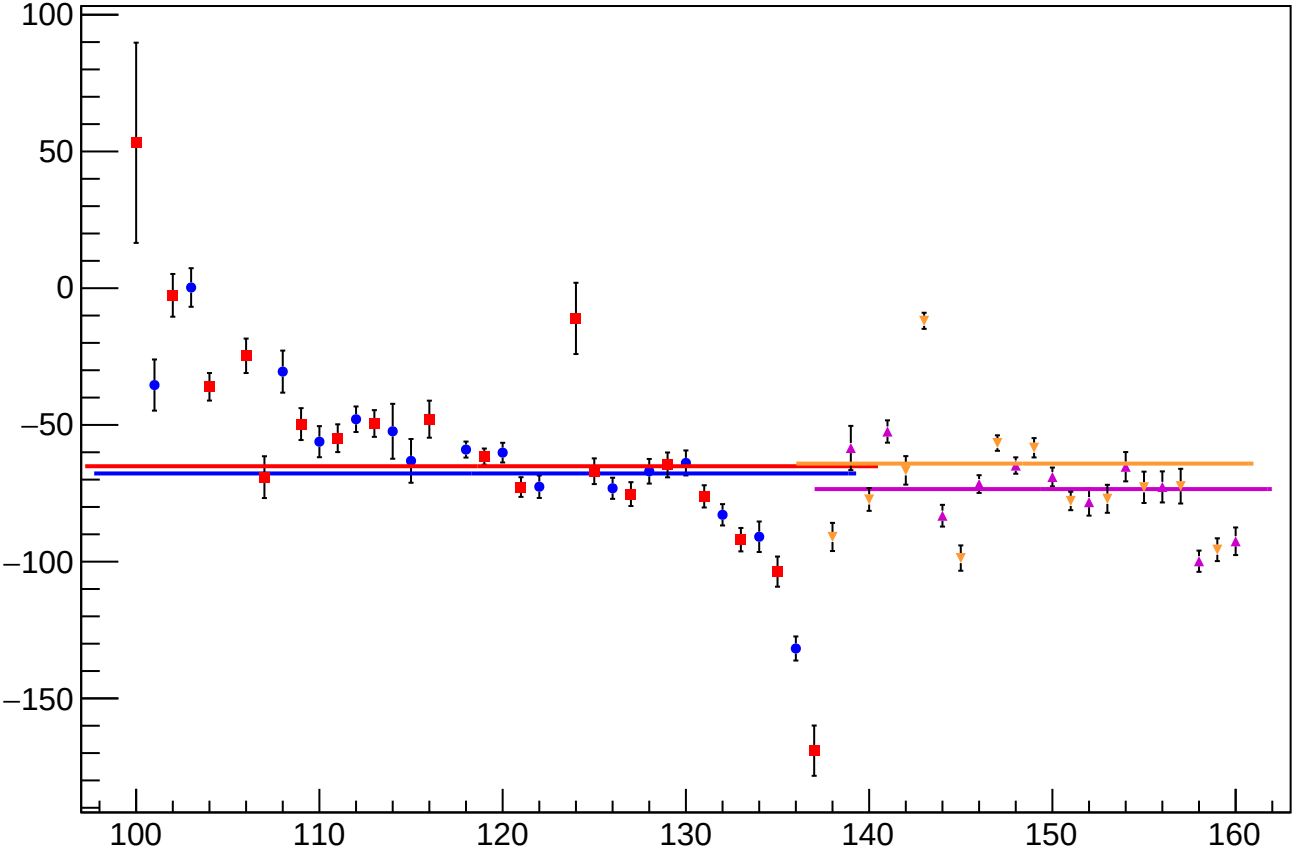
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.738+/-0.919 χ^2/NDF:2958.5/26

Out: -178.768+/-0.875 χ^2/NDF:9529.5/30

All: -191.113+/-0.634 χ^2/NDF: 12906.8/57

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: -73.459+/-1.248 χ^2/NDF:110.0/10

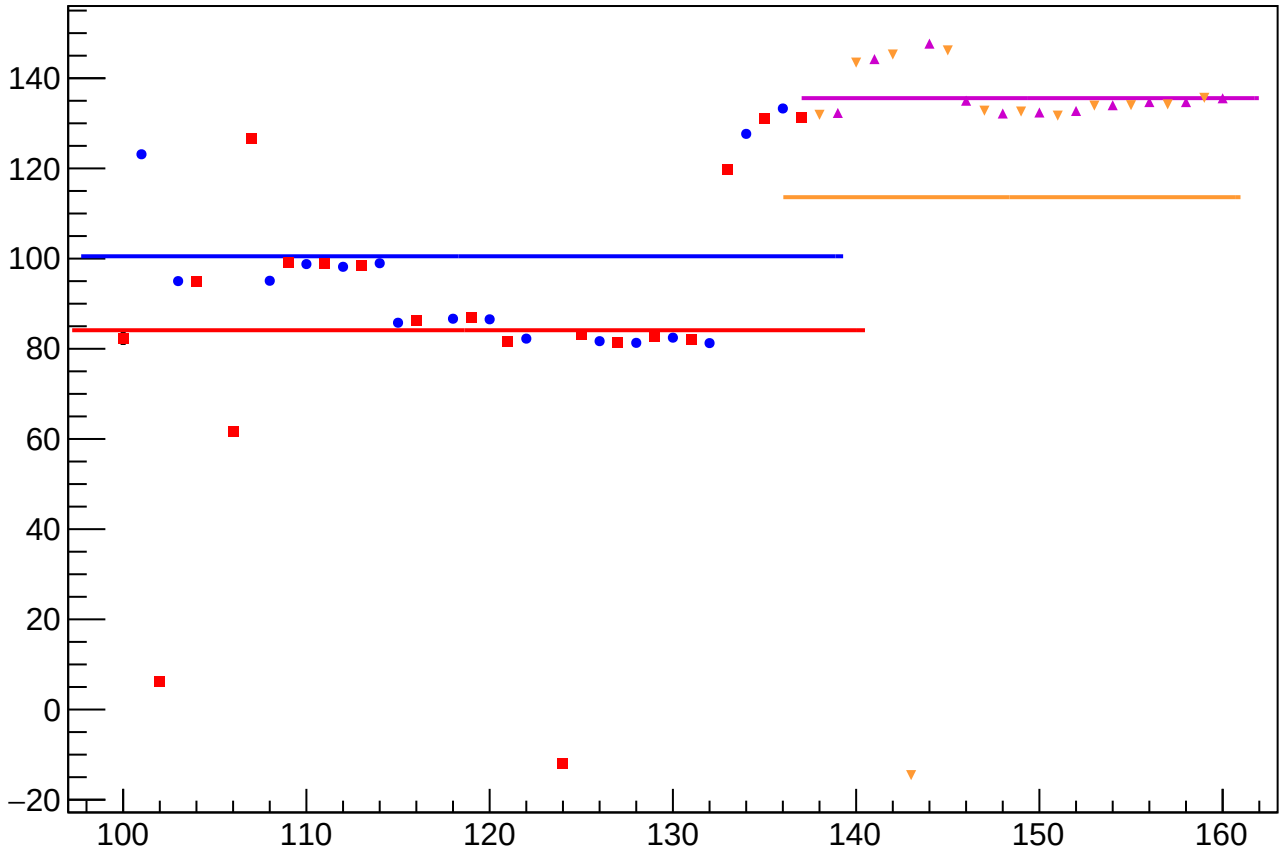
Left: -68.479+/-0.851 χ^2/NDF: 641.7/22

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -70.445+/-0.858 χ^2/NDF:535.1/26

Out: -64.624+/-0.824 χ^2/NDF:931.3/30

All: -67.417+/-0.594 χ^2/NDF: 1490.3/57



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: 135.583+/-0.058 χ^2/NDF:6571.0/10

Left: 124.226+/-0.041 χ^2/NDF: 993086.4/22

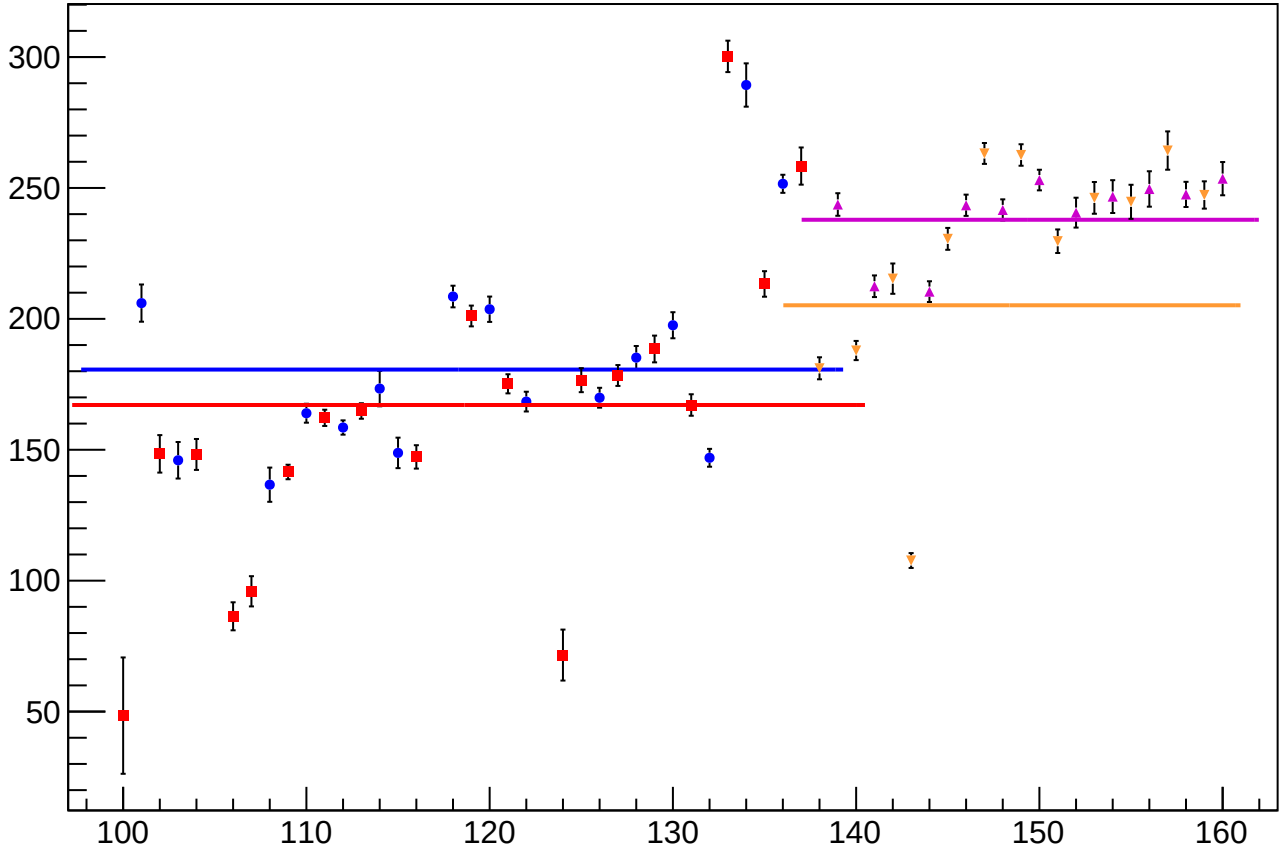
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 122.132+/-0.046 χ^2/NDF:212583.3/26

Out: 101.847+/-0.044 χ^2/NDF:1286260.4/30

All: 111.515+/-0.032 χ^2/NDF: 1601464.3/57

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.186+/-1.270 χ^2/NDF:1921.4/11

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

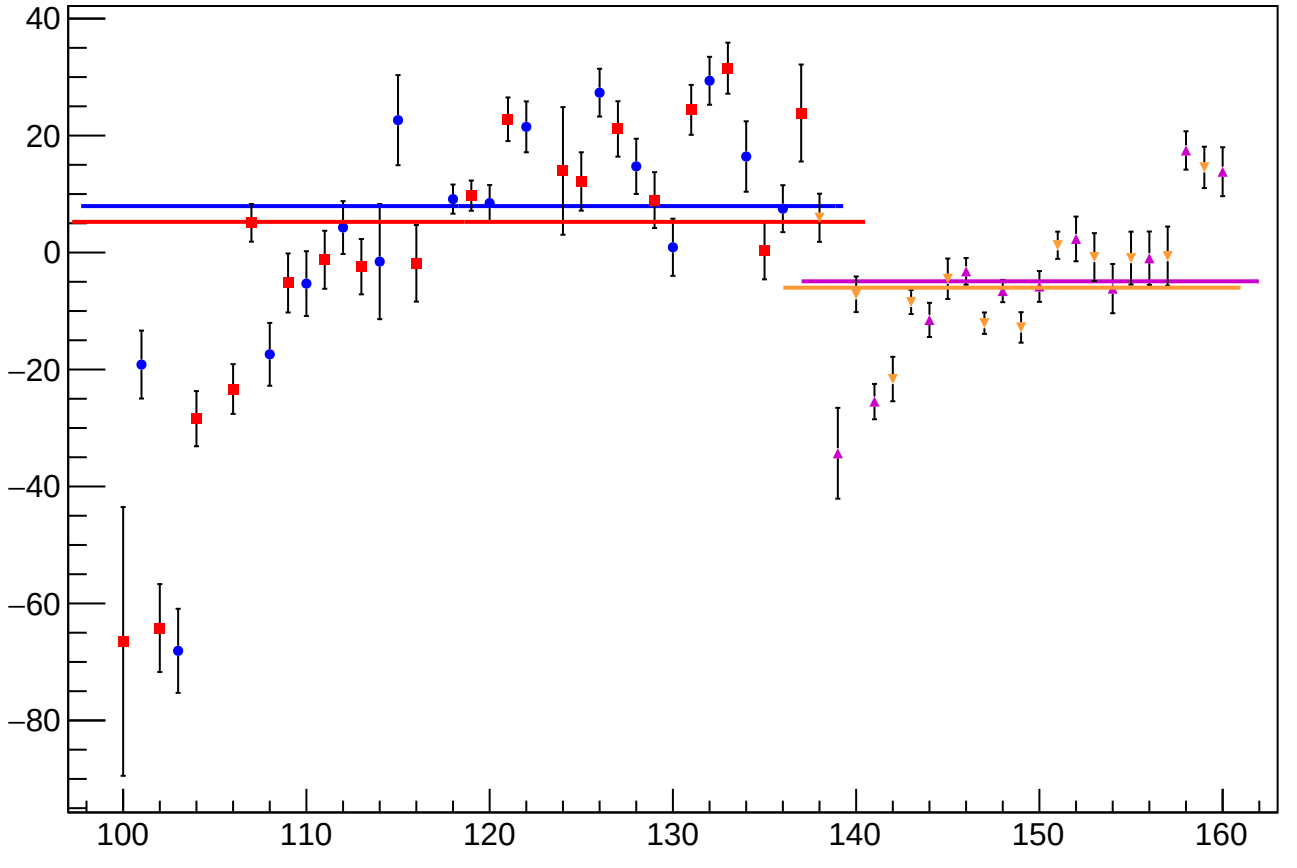
Left: 219.910+/-0.941 χ^2/NDF: 2340.0/22

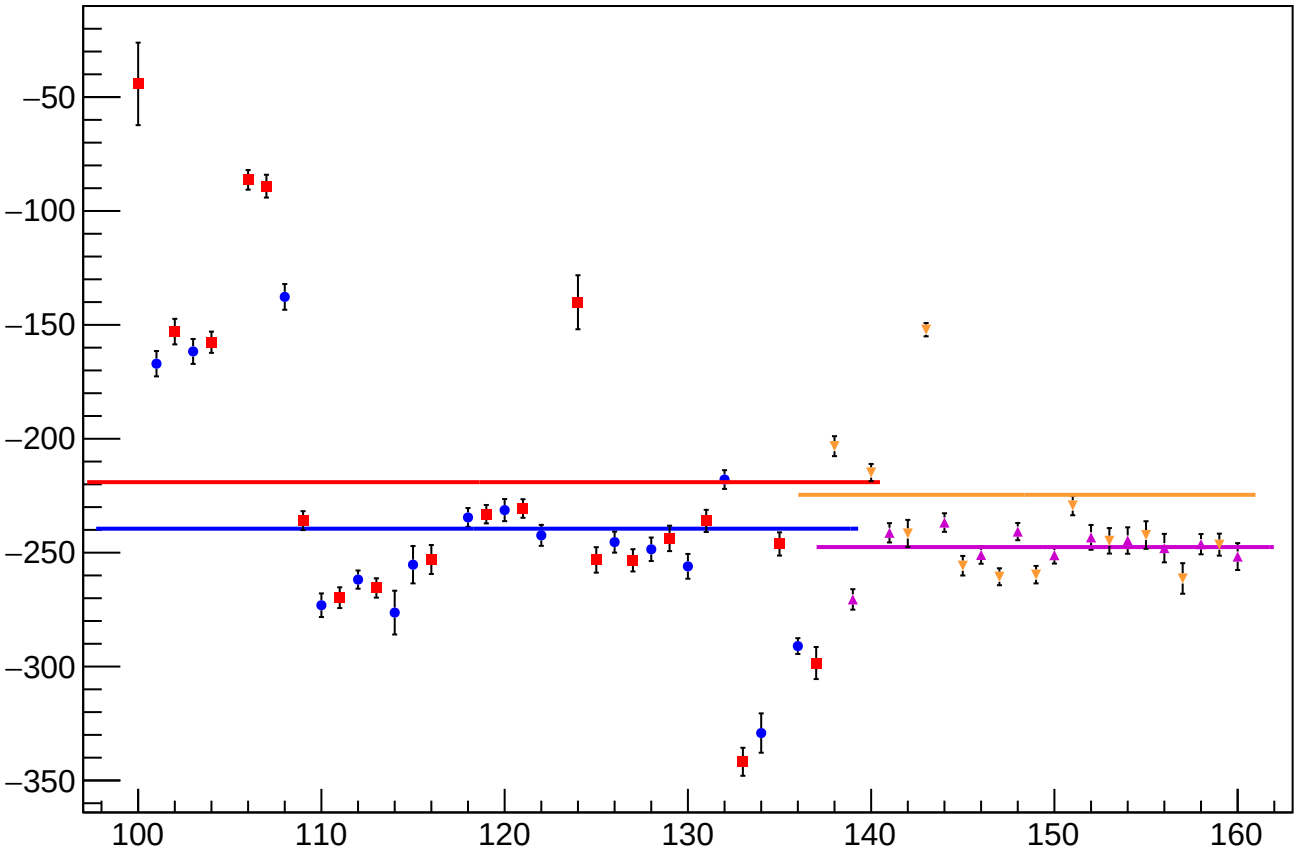
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.176+/-0.860 χ^2/NDF:2152.1/26

Out: 182.045+/-0.796 χ^2/NDF:3952.1/30

All: 191.326+/-0.584 χ^2/NDF: 6399.3/57


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -6.008+/-0.841 χ²/NDF:92.4/11
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -4.918+/-0.921 χ²/NDF:138.4/10
Left: -5.512+/-0.621 χ²/NDF: 231.5/22
Right: 6.530+/-0.768 χ²/NDF: 538.9/34
In: 0.309+/-0.710 χ²/NDF:450.5/26
Out: -1.669+/-0.660 χ²/NDF:464.3/30
All: -0.752+/-0.483 χ²/NDF: 918.9/57



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: -247.544+/-1.356 χ^2/NDF:41.7/10

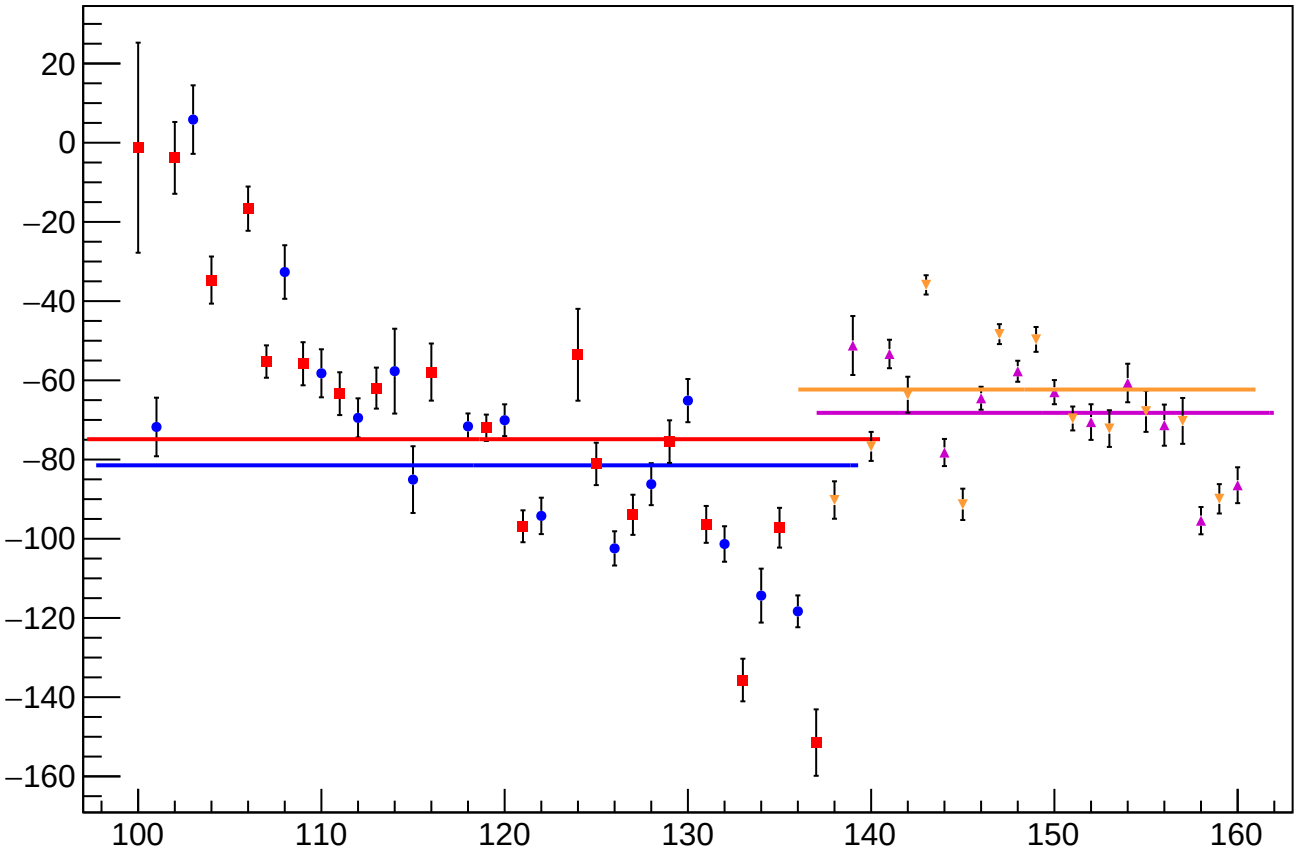
Left: -235.134+/-0.919 χ^2/NDF: 1153.3/22

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -243.164+/-0.917 χ^2/NDF:1223.2/26

Out: -221.661+/-0.856 χ^2/NDF:4016.4/30

All: -231.675+/-0.626 χ^2/NDF: 5533.3/57



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: -68.211+/-1.110 χ^2/NDF:132.9/10

Left: -65.024+/-0.752 χ^2/NDF: 485.8/22

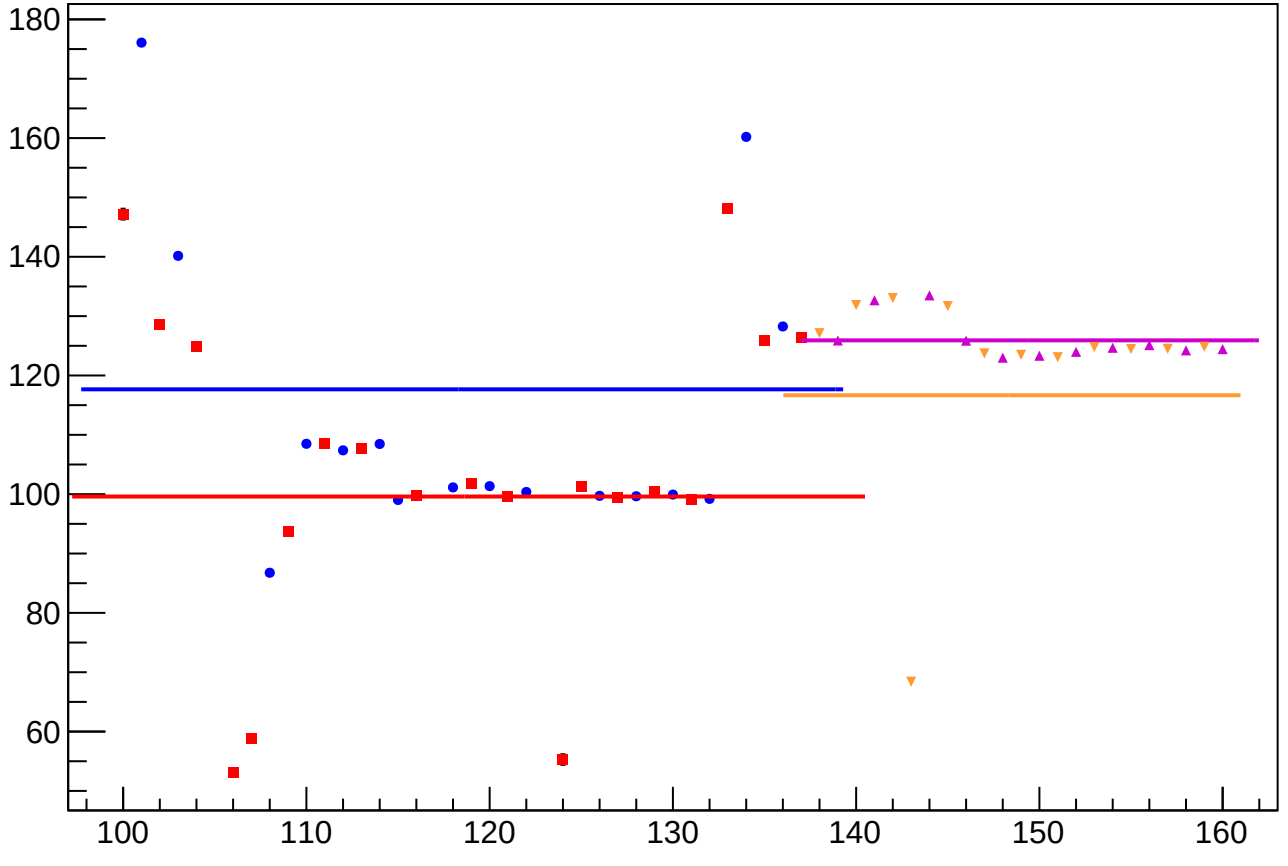
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.866+/-0.841 χ^2/NDF:560.2/26

Out: -67.446+/-0.786 χ^2/NDF:975.8/30

All: -70.443+/-0.574 χ^2/NDF: 1567.0/57

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: 125.920+/-0.052 χ^2/NDF:4224.4/10

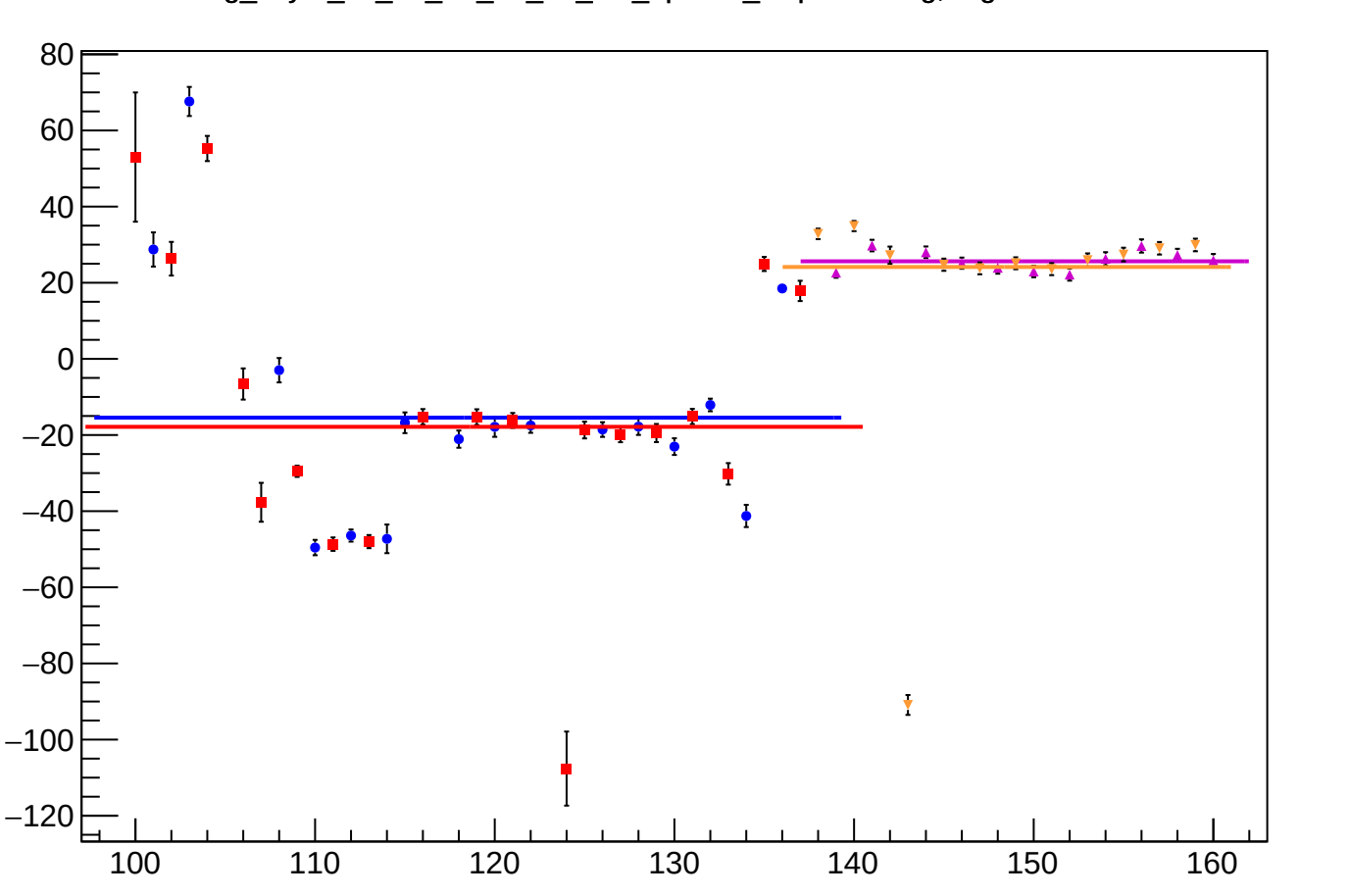
Left: 121.079+/-0.036 χ^2/NDF: 214001.6/22

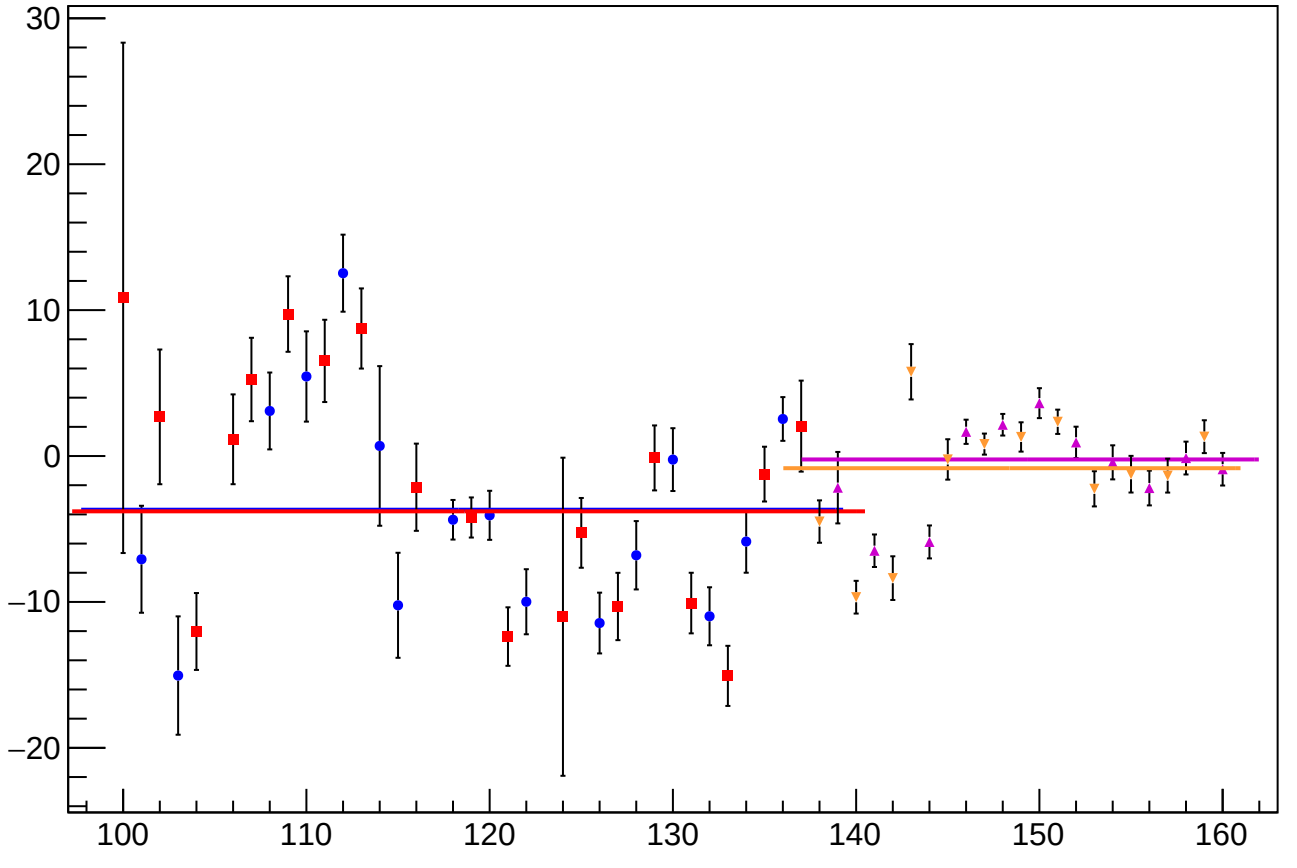
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.379+/-0.043 χ^2/NDF:107322.2/26

Out: 110.970+/-0.041 χ^2/NDF:398823.5/30

All: 116.765+/-0.030 χ^2/NDF: 549693.8/57


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 24.135+/-0.478 χ²/NDF:2071.0/11
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.631+/-0.472 χ²/NDF:30.2/10
Left: 24.892+/-0.336 χ²/NDF: 2106.2/22
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 7.789+/-0.355 χ²/NDF:5437.3/26
Out: 5.282+/-0.355 χ²/NDF:7658.0/30
All: 6.534+/-0.251 χ²/NDF: 13120.3/57



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: -0.234+/-0.318 χ^2/NDF:91.1/10

Left: -0.532+/-0.226 χ^2/NDF: 228.8/22

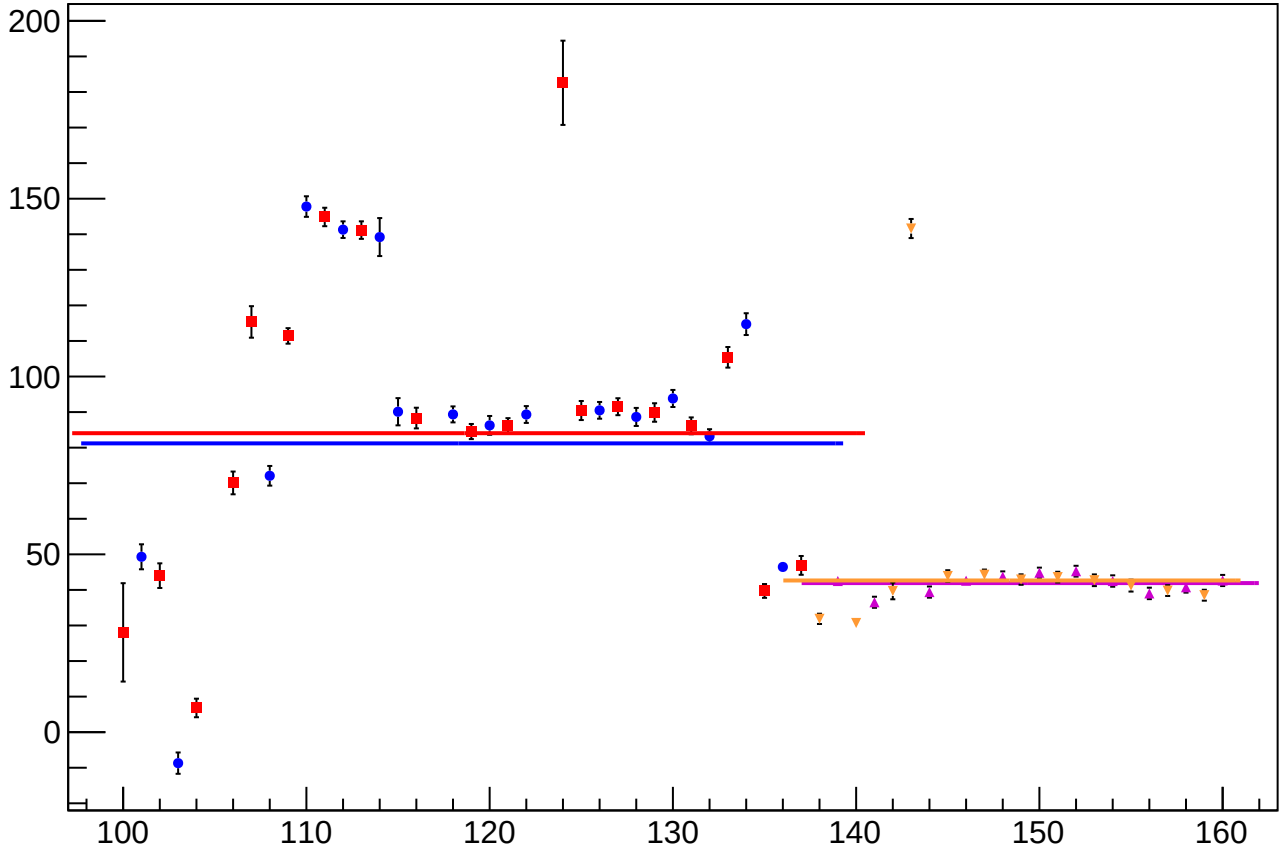
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.094+/-0.276 χ^2/NDF:244.4/26

Out: -1.557+/-0.279 χ^2/NDF:317.9/30

All: -1.323+/-0.196 χ^2/NDF: 563.7/57

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: 41.920+/-0.455 χ^2/NDF:29.7/10

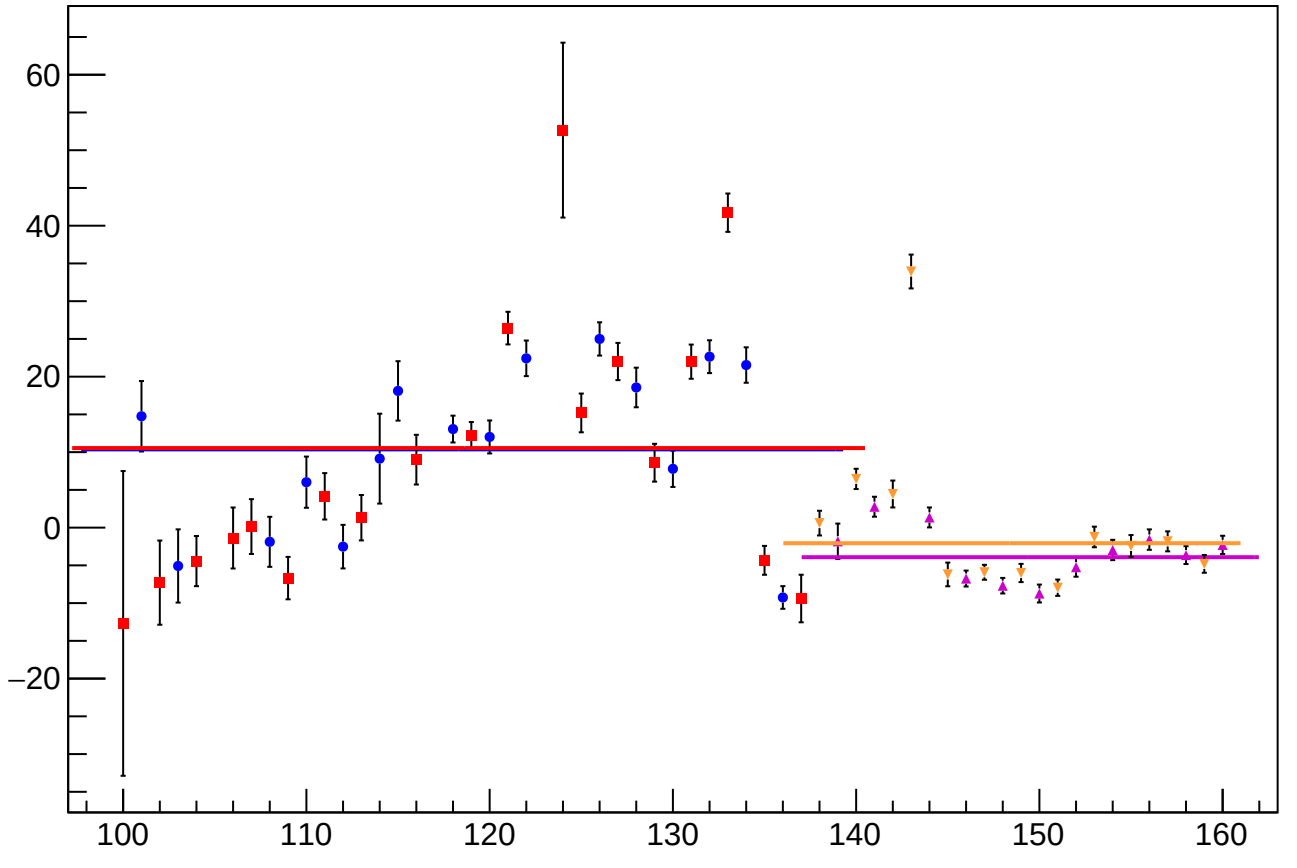
Left: 42.281+/-0.325 χ^2/NDF: 1533.8/22

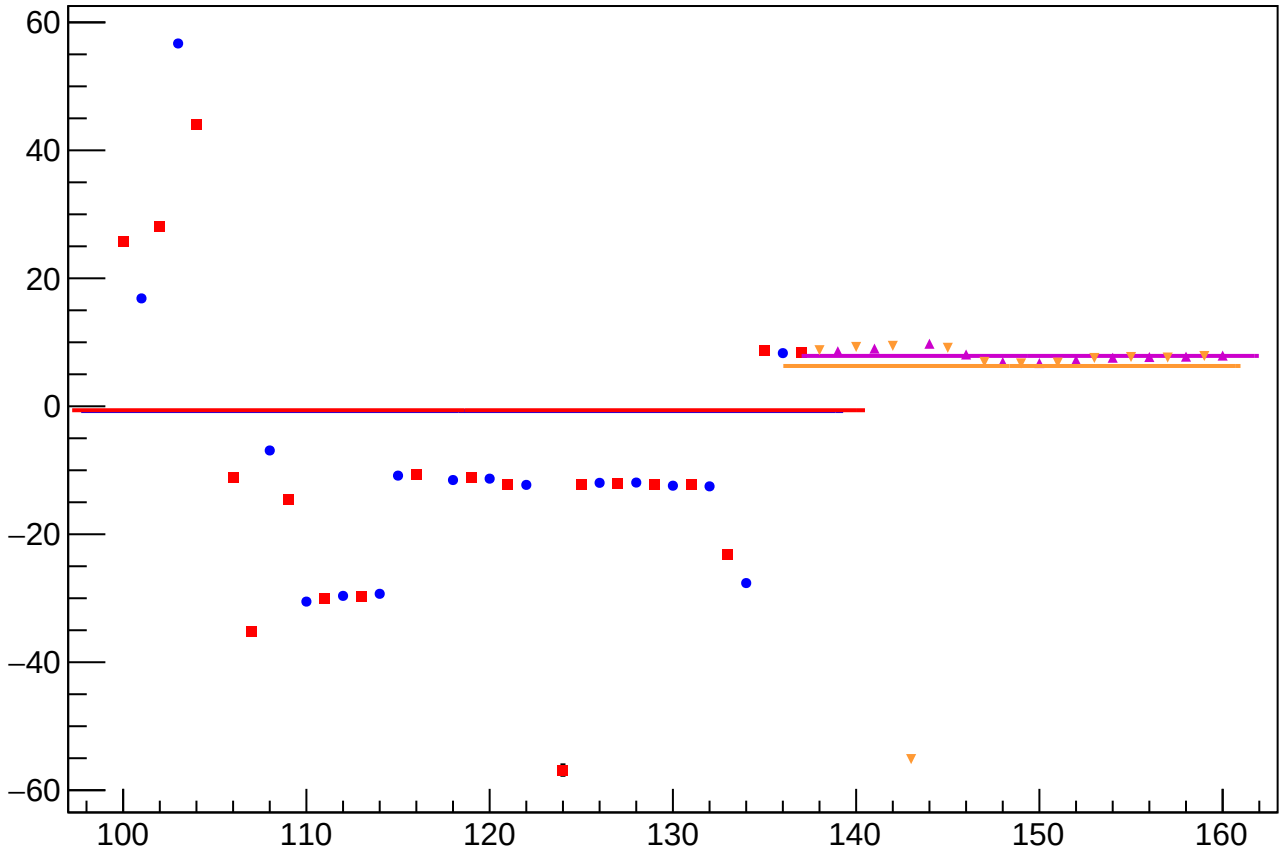
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.064+/-0.364 χ^2/NDF:5940.0/26

Out: 57.614+/-0.370 χ^2/NDF:7593.4/30

All: 56.826+/-0.260 χ^2/NDF: 13542.3/57


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -2.064+/-0.386 χ²/NDF:382.7/11
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.918+/-0.378 χ²/NDF:85.8/10
Left: -3.009+/-0.270 χ²/NDF: 480.2/22
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: -0.106+/-0.324 χ²/NDF:826.7/26
Out: 1.293+/-0.330 χ²/NDF:1137.7/30
All: 0.579+/-0.231 χ²/NDF: 1973.5/57



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: 7.874+/-0.017 χ^2/NDF:2110.4/10

Left: 7.115+/-0.012 χ^2/NDF: 318591.0/22

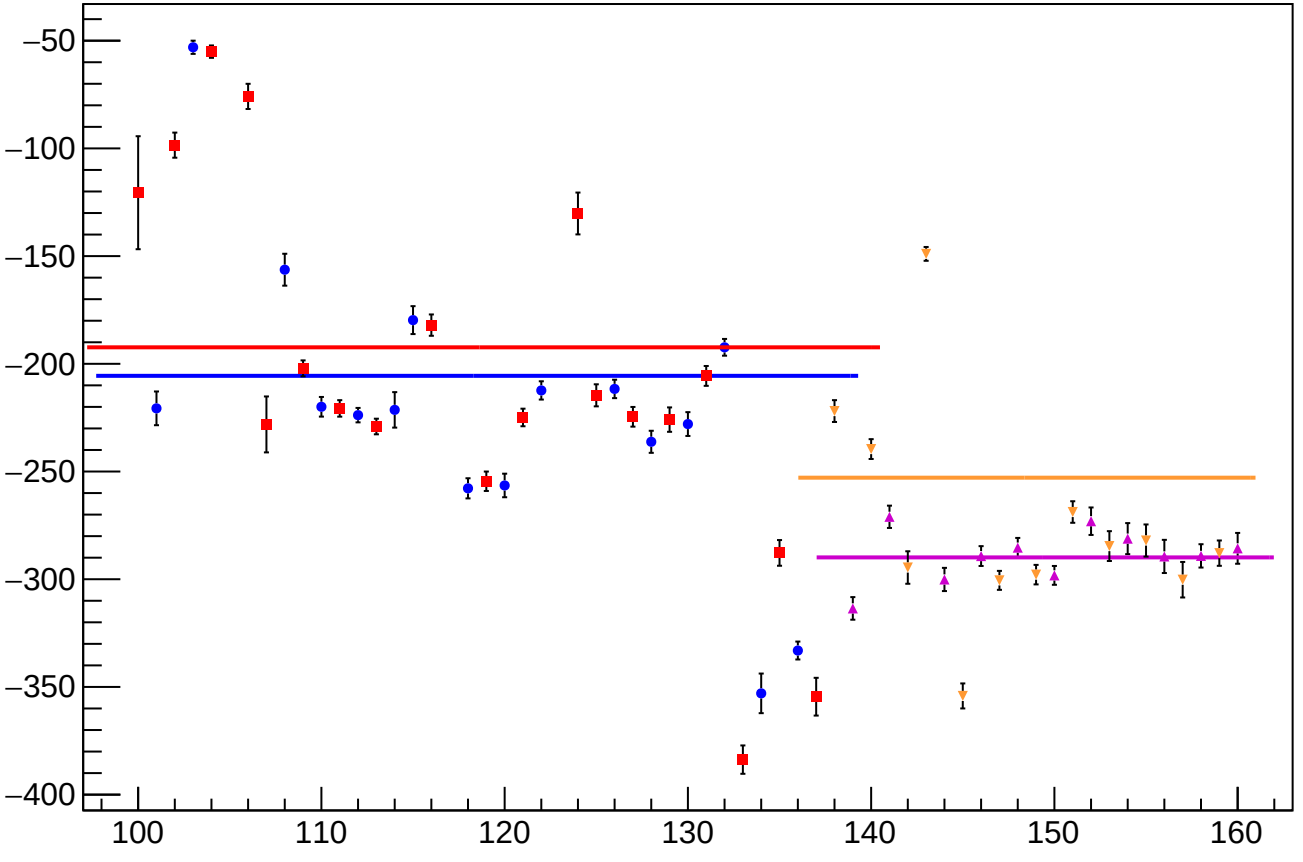
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.285+/-0.015 χ^2/NDF:417173.7/26

Out: 5.031+/-0.016 χ^2/NDF:656907.6/30

All: 5.681+/-0.011 χ^2/NDF: 1077272.3/57

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: -289.868+/-1.641 χ^2/NDF:50.7/10

Left: -269.522+/-1.101 χ^2/NDF: 2090.5/22

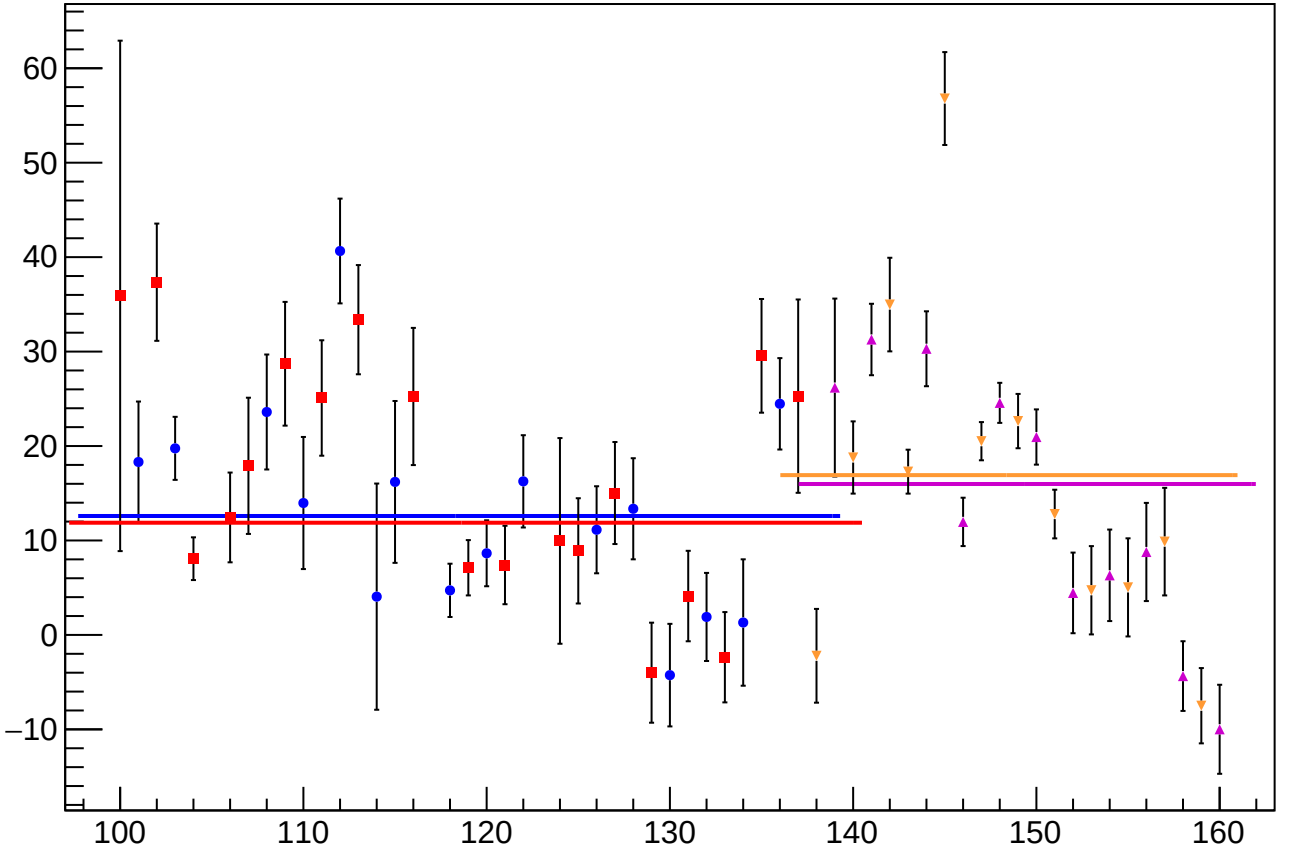
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.454+/-0.961 χ^2/NDF:5840.9/26

Out: -214.345+/-0.896 χ^2/NDF:7786.7/30

All: -223.695+/-0.655 χ^2/NDF: 13862.1/57

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: 15.979+/-1.060 χ^2/NDF:126.3/10

Left: 16.493+/-0.715 χ^2/NDF: 281.6/22

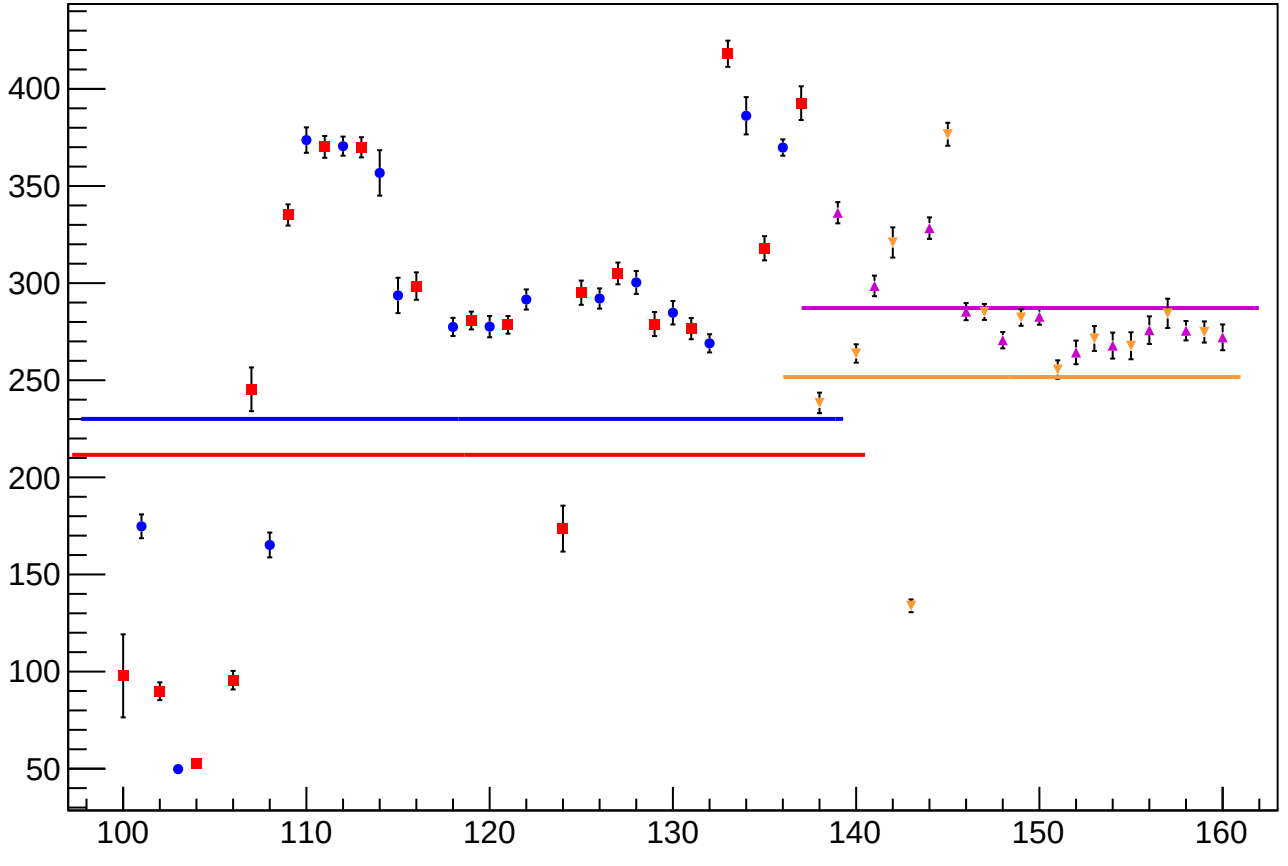
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 14.498+/-0.795 χ^2/NDF:199.2/26

Out: 14.770+/-0.733 χ^2/NDF:251.4/30

All: 14.645+/-0.539 χ^2/NDF: 450.7/57

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: 287.180+/-1.579 χ^2/NDF:192.6/10

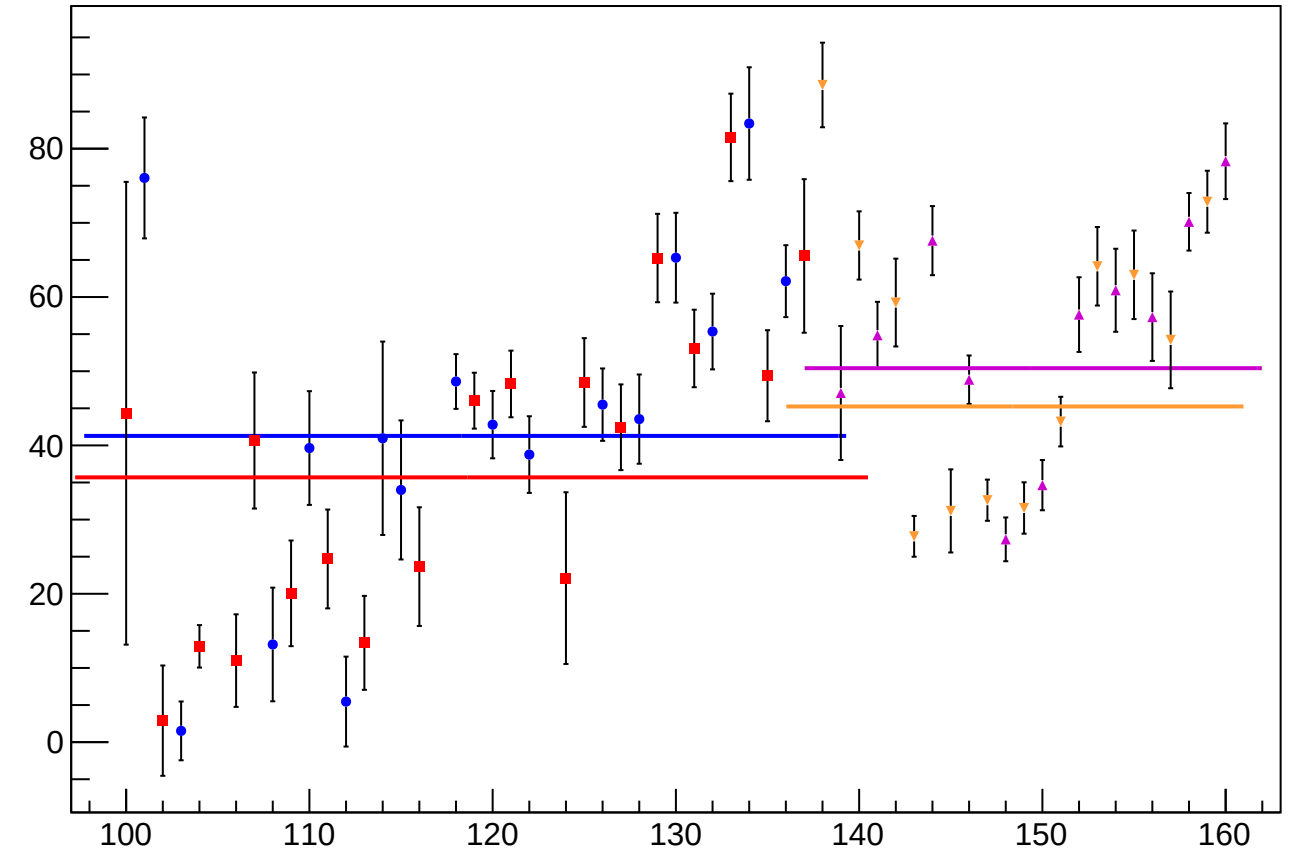
Left: 267.945+/-1.069 χ^2/NDF: 2451.2/22

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 252.299+/-0.985 χ^2/NDF:10367.2/26

Out: 227.743+/-0.923 χ^2/NDF:13909.3/30

All: 239.232+/-0.673 χ^2/NDF: 24607.4/57



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 45.249+/-1.180 χ^2/NDF:236.3/11

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 50.410+/-1.282 χ^2/NDF:160.5/10

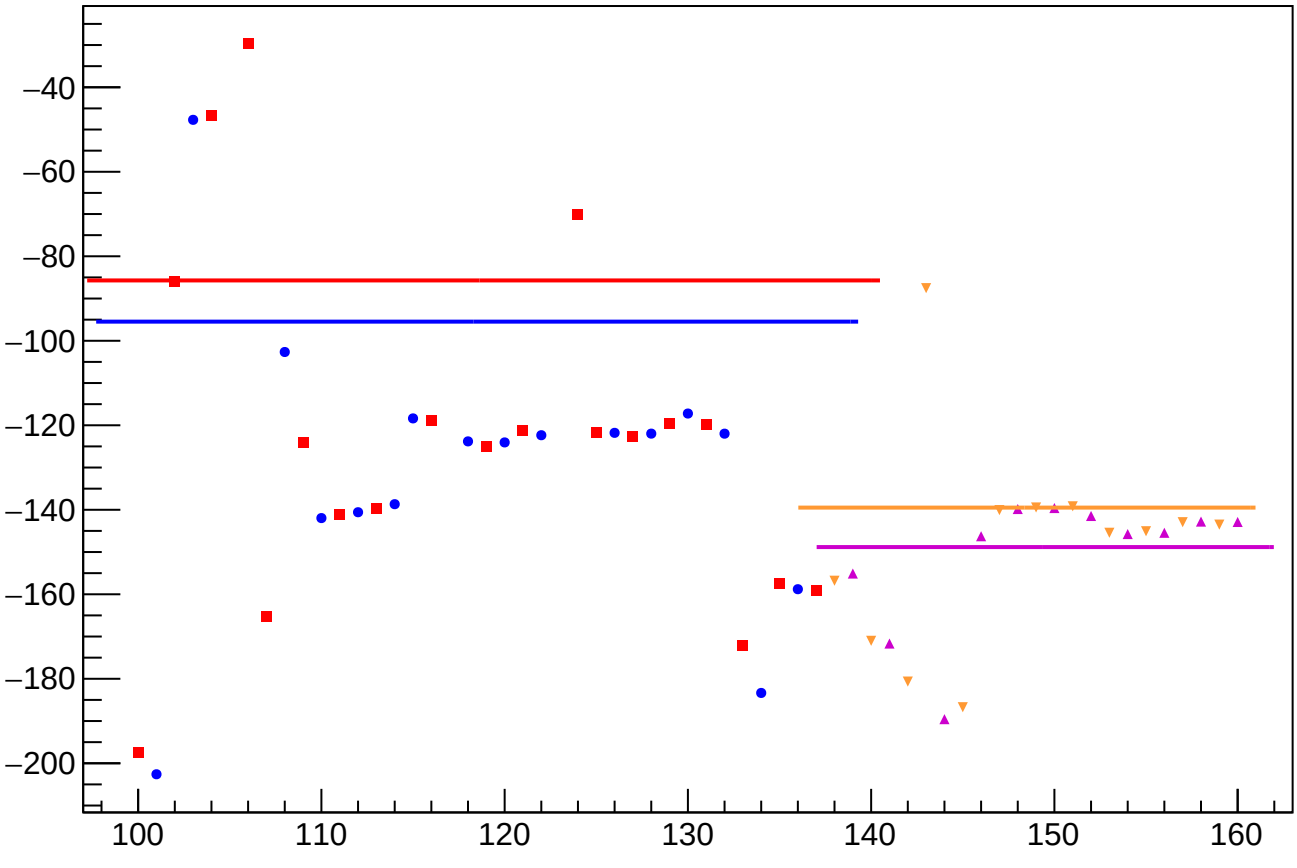
Left: 47.617+/-0.868 χ^2/NDF: 405.6/22

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 46.239+/-0.945 χ^2/NDF:429.4/26

Out: 40.992+/-0.879 χ^2/NDF:518.7/30

All: 43.426+/-0.644 χ^2/NDF: 964.7/57



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: -148.826+/-0.061 χ^2/NDF:48292.0/10

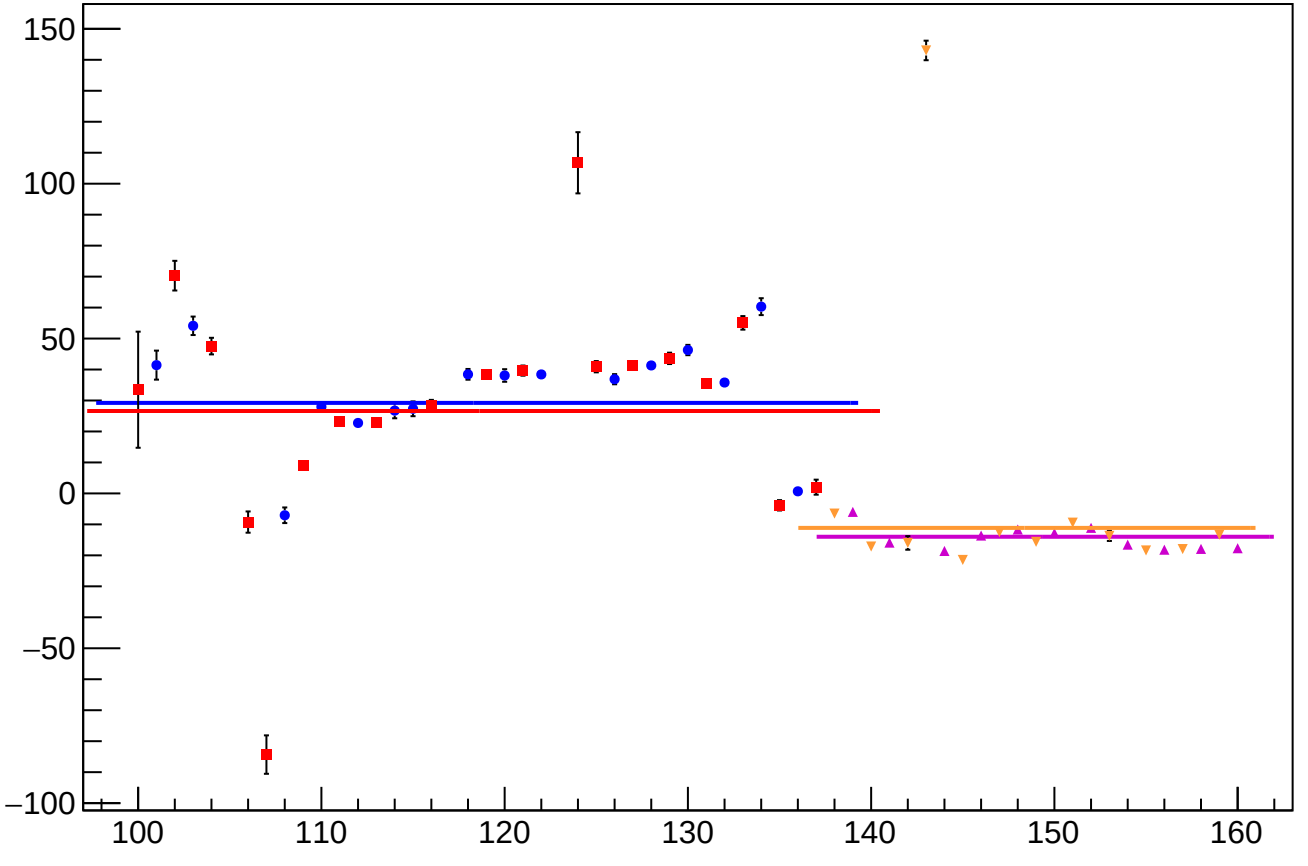
Left: -143.948+/-0.042 χ^2/NDF: 291695.1/22

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -125.802+/-0.046 χ^2/NDF:903793.9/26

Out: -116.489+/-0.044 χ^2/NDF:1082701.3/30

All: -120.954+/-0.032 χ^2/NDF: 2008187.3/57



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: -13.993+/-0.440 χ^2/NDF:82.4/10

Left: -12.586+/-0.314 χ^2/NDF: 2630.6/22

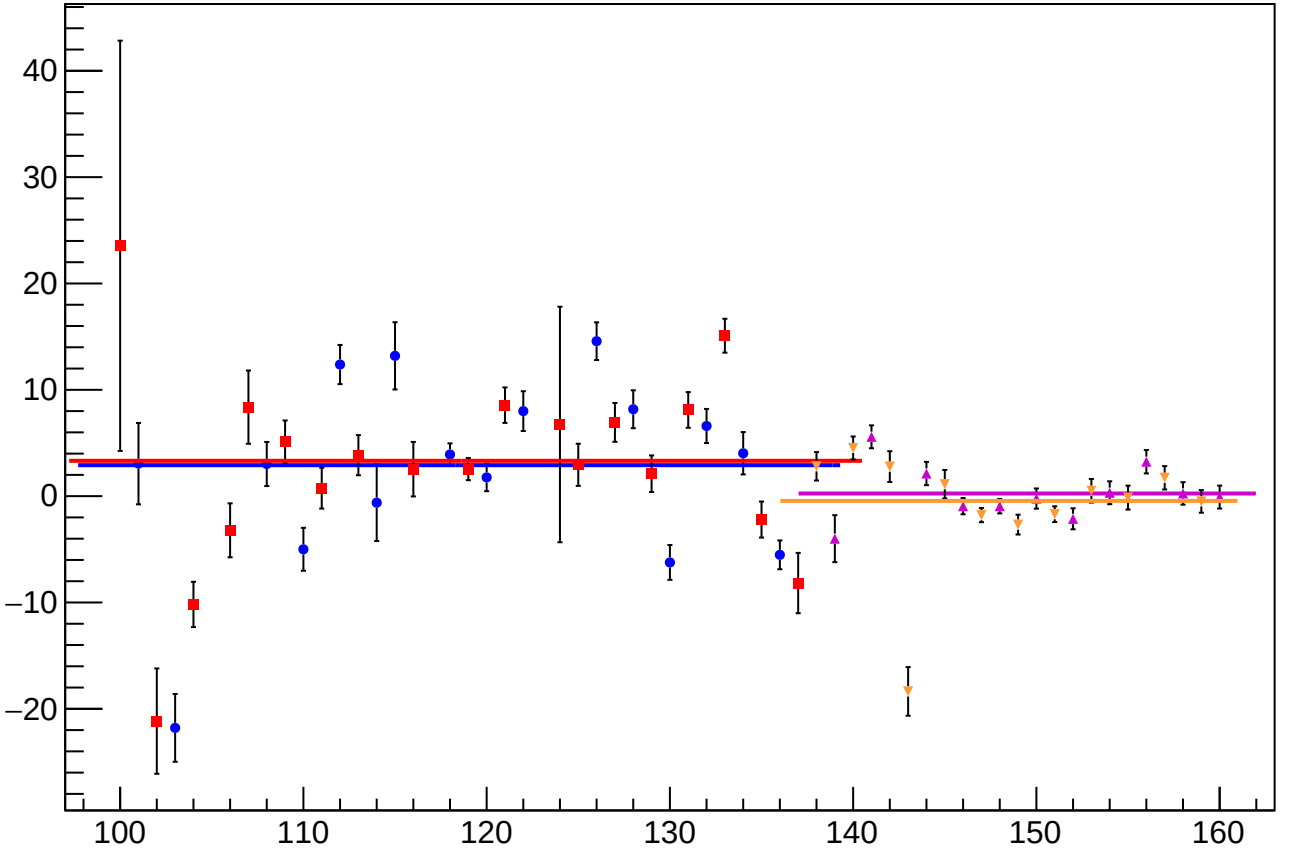
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 8.422+/-0.306 χ^2/NDF:6421.3/26

Out: 9.213+/-0.304 χ^2/NDF:8276.9/30

All: 8.819+/-0.216 χ^2/NDF: 14701.5/57

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: 0.249+/-0.297 χ^2/NDF:50.3/10

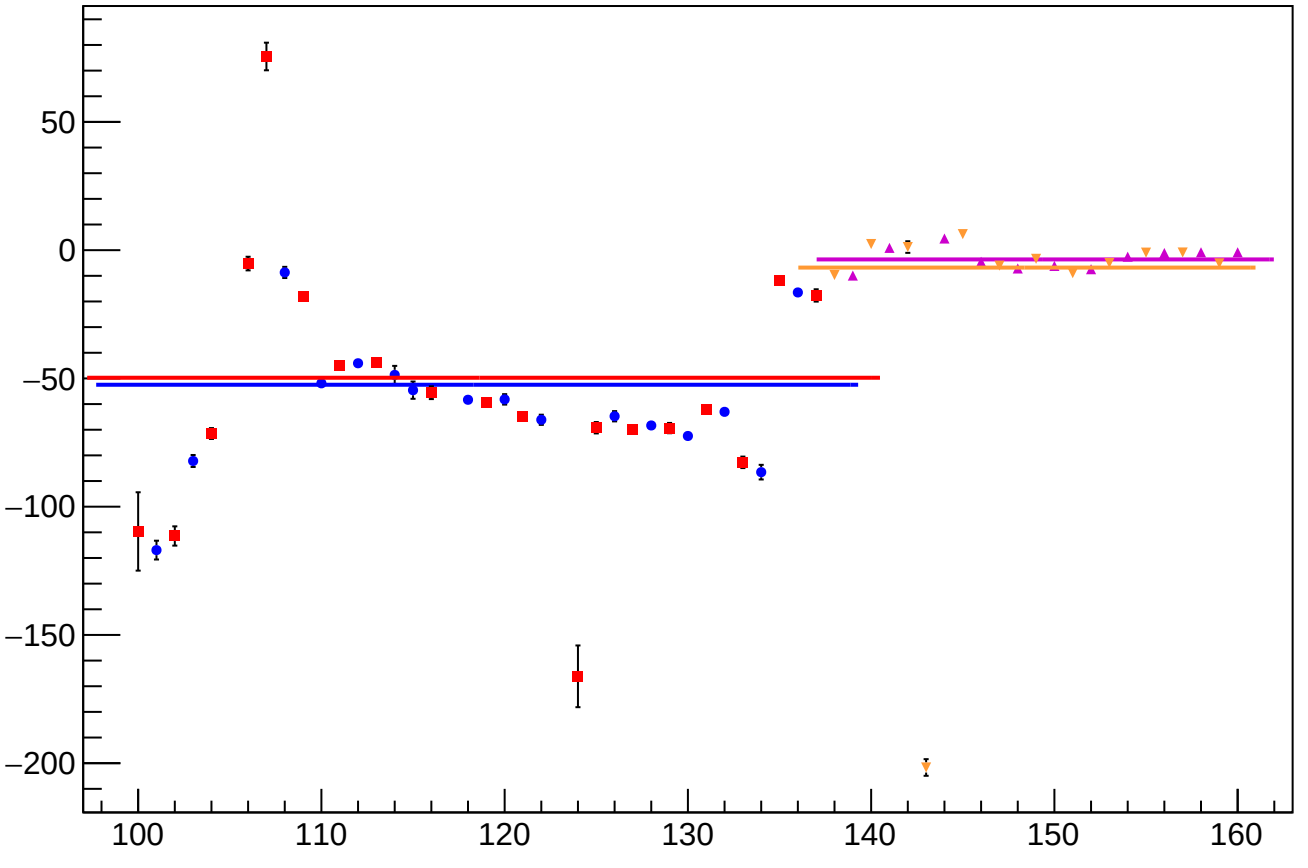
Left: -0.096+/-0.211 χ^2/NDF: 165.2/22

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.076+/-0.247 χ^2/NDF:325.2/26

Out: 0.696+/-0.250 χ^2/NDF:342.2/30

All: 0.889+/-0.175 χ^2/NDF: 668.6/57



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: -3.607+/-0.424 χ^2/NDF:91.0/10

Left: -5.165+/-0.303 χ^2/NDF: 3903.8/22

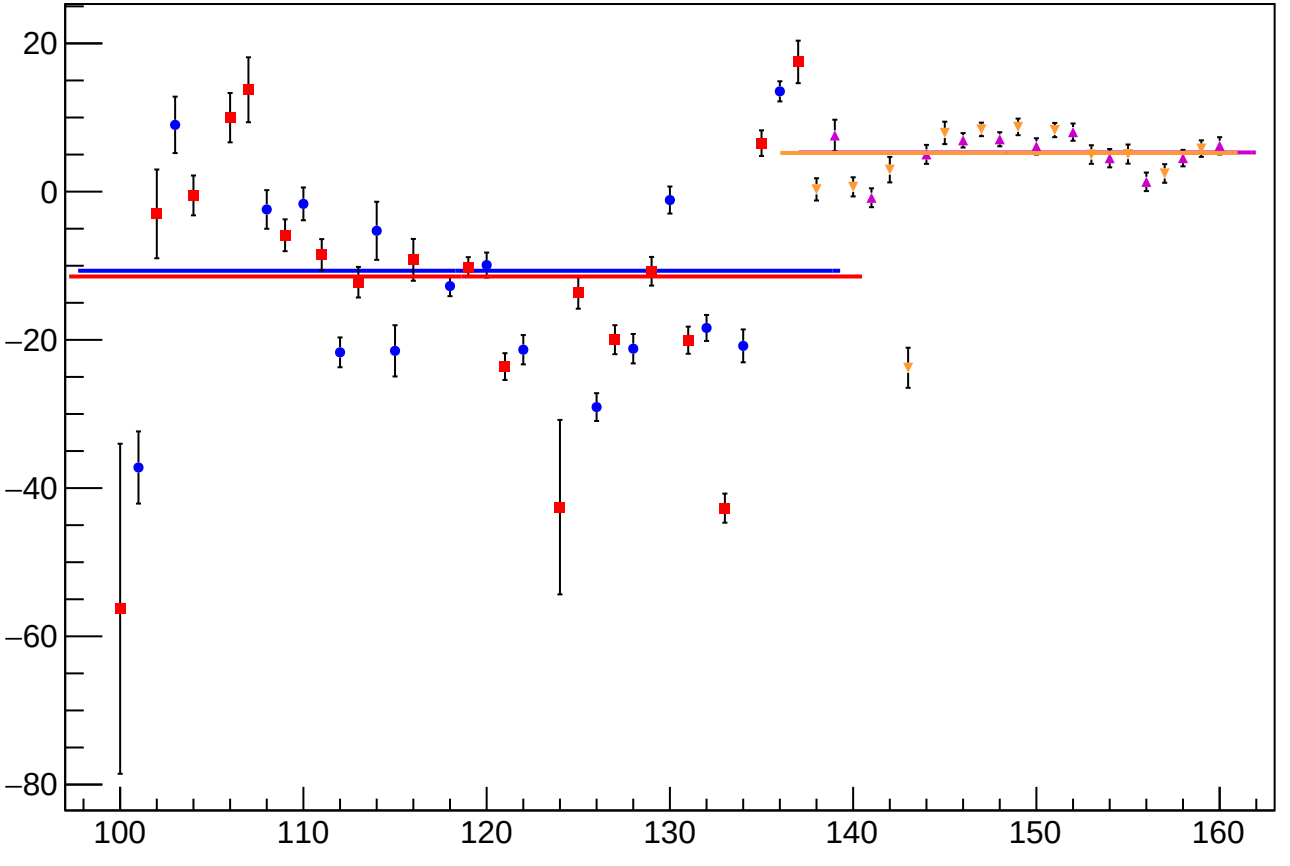
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -24.655+/-0.320 χ^2/NDF:8132.5/26

Out: -25.464+/-0.326 χ^2/NDF:11065.2/30

All: -25.052+/-0.228 χ^2/NDF: 19200.9/57

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 5.285+/-0.353 χ^2/NDF:48.2/10

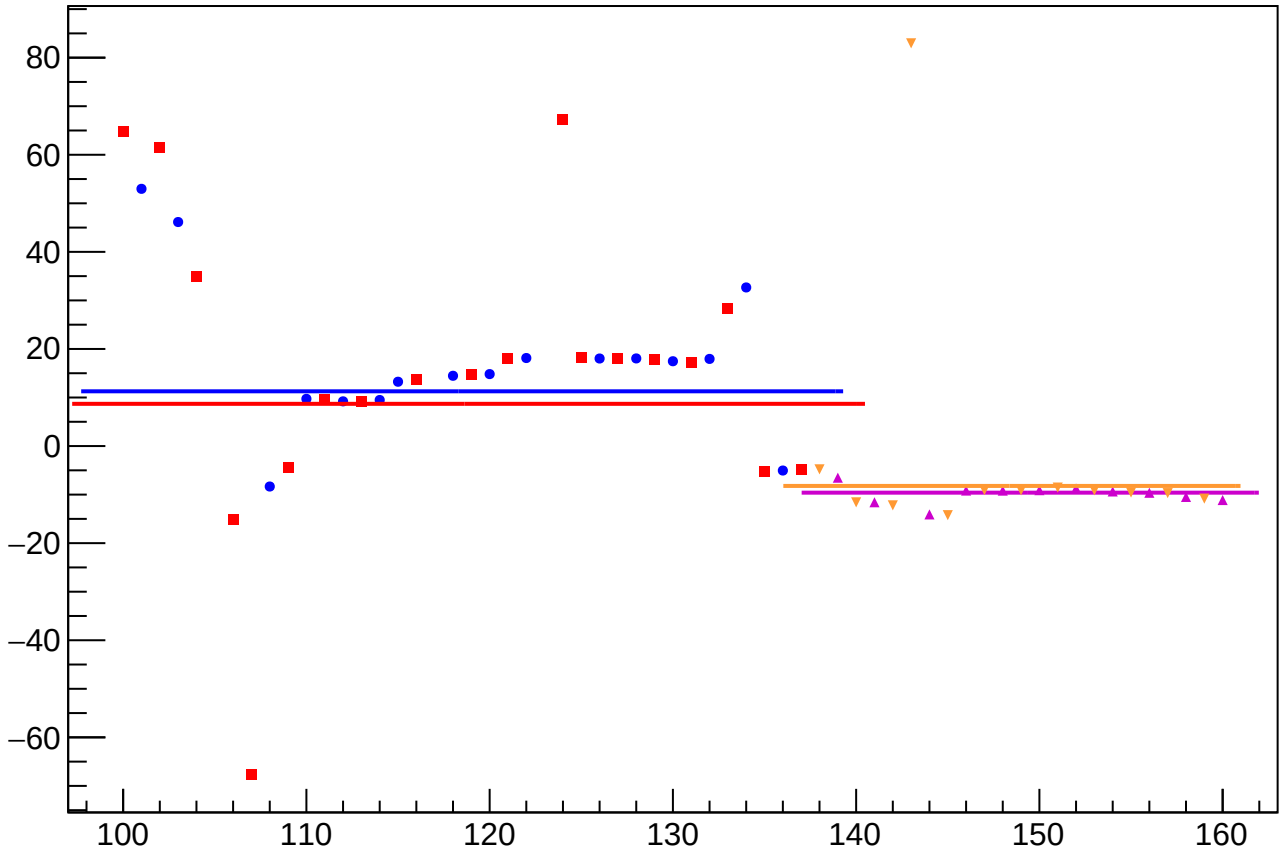
Left: 5.252+/-0.252 χ^2/NDF: 228.7/22

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.051+/-0.289 χ^2/NDF:1384.6/26

Out: -0.244+/-0.295 χ^2/NDF:1547.5/30

All: -0.094+/-0.207 χ^2/NDF: 2932.7/57



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: -9.600+/-0.016 χ^2/NDF:11611.5/10

Left: -8.933+/-0.011 χ^2/NDF: 494812.8/22

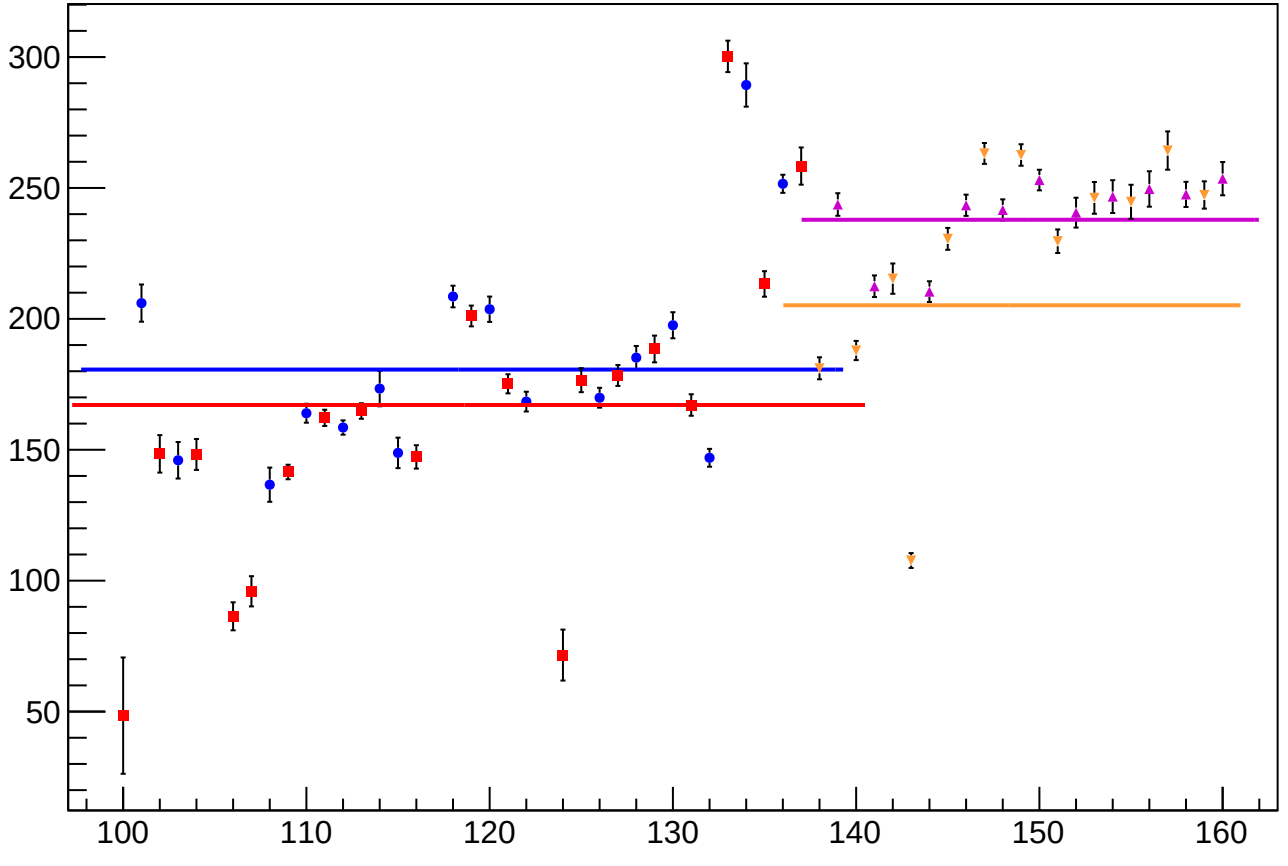
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.015+/-0.014 χ^2/NDF:740828.7/26

Out: -4.557+/-0.015 χ^2/NDF:1142718.6/30

All: -4.795+/-0.010 χ^2/NDF: 1884057.7/57

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.186+/-1.270 χ^2/NDF:1921.4/11

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

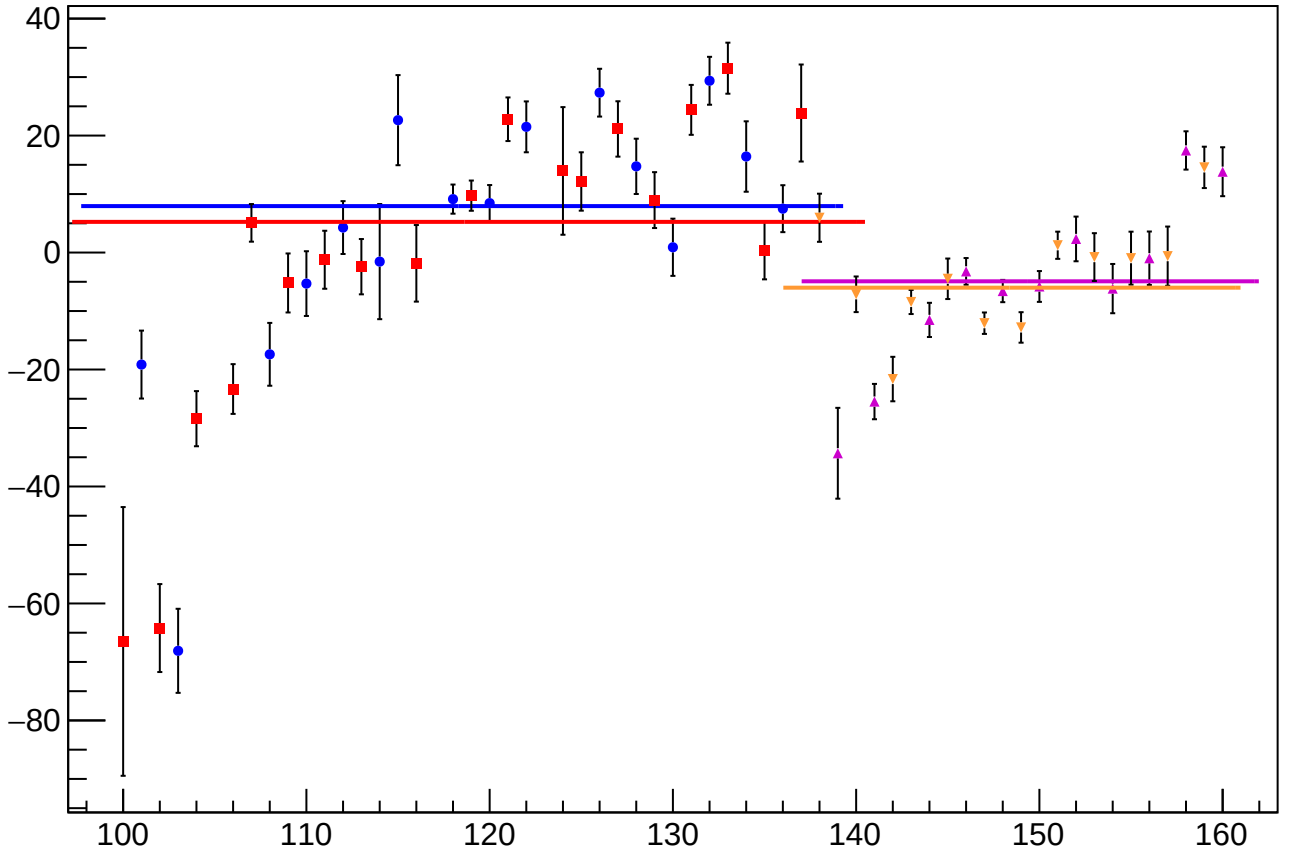
Left: 219.910+/-0.941 χ^2/NDF: 2340.0/22

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.176+/-0.860 χ^2/NDF:2152.1/26

Out: 182.045+/-0.796 χ^2/NDF:3952.1/30

All: 191.326+/-0.584 χ^2/NDF: 6399.3/57



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: -4.918+/-0.921 χ^2/NDF:138.4/10

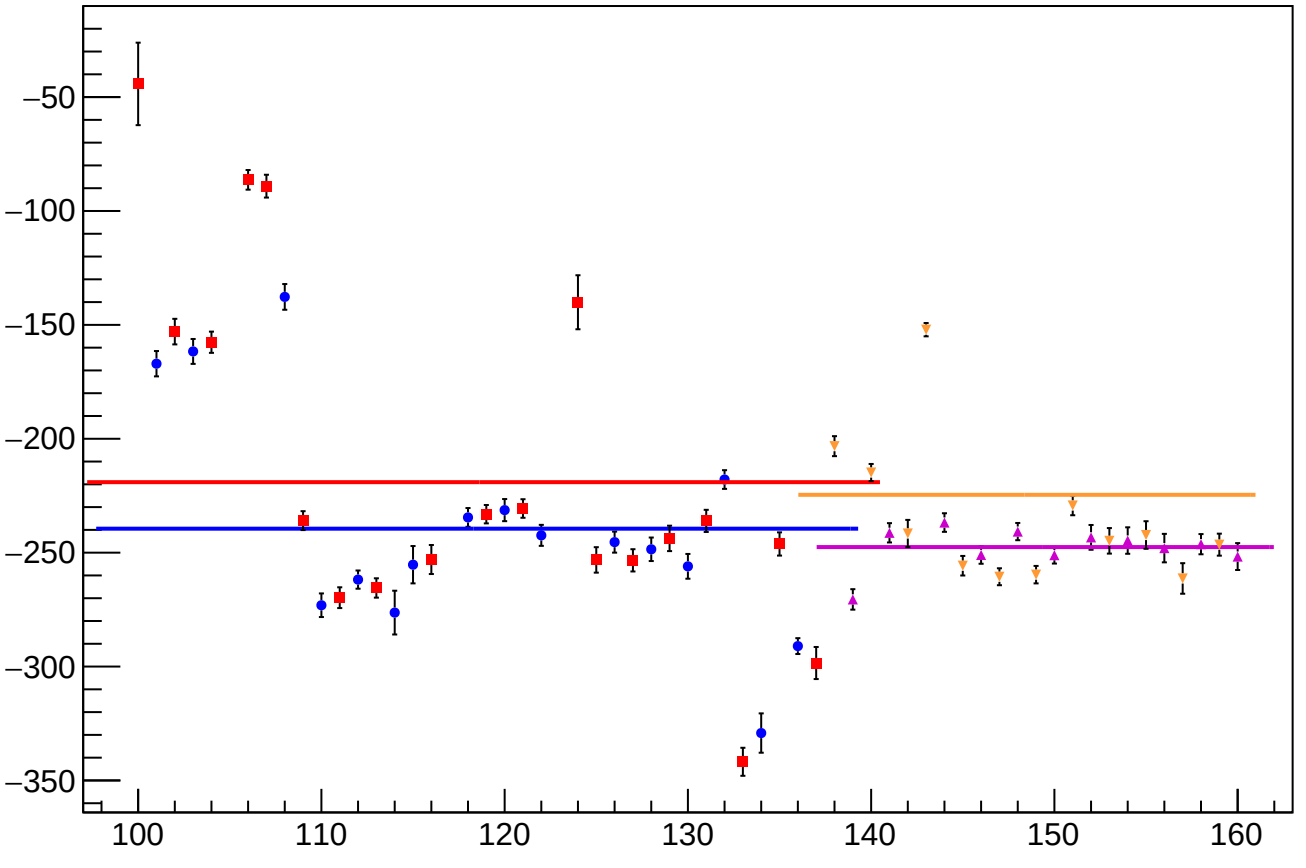
Left: -5.512+/-0.621 χ^2/NDF: 231.5/22

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.309+/-0.710 χ^2/NDF:450.5/26

Out: -1.669+/-0.660 χ^2/NDF:464.3/30

All: -0.752+/-0.483 χ^2/NDF: 918.9/57



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: -247.544+/-1.356 χ^2/NDF:41.7/10

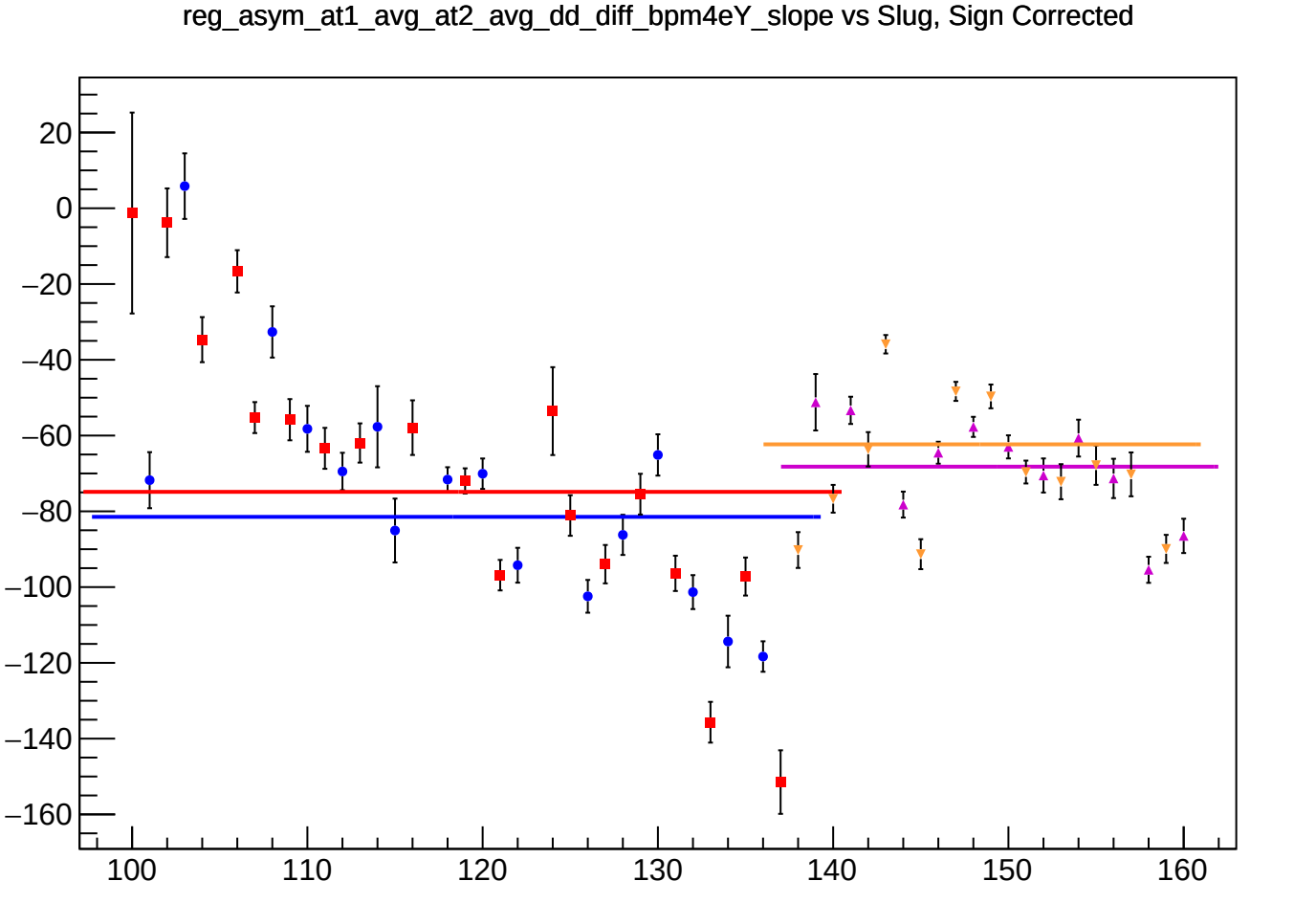
Left: -235.134+/-0.919 χ^2/NDF: 1153.3/22

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

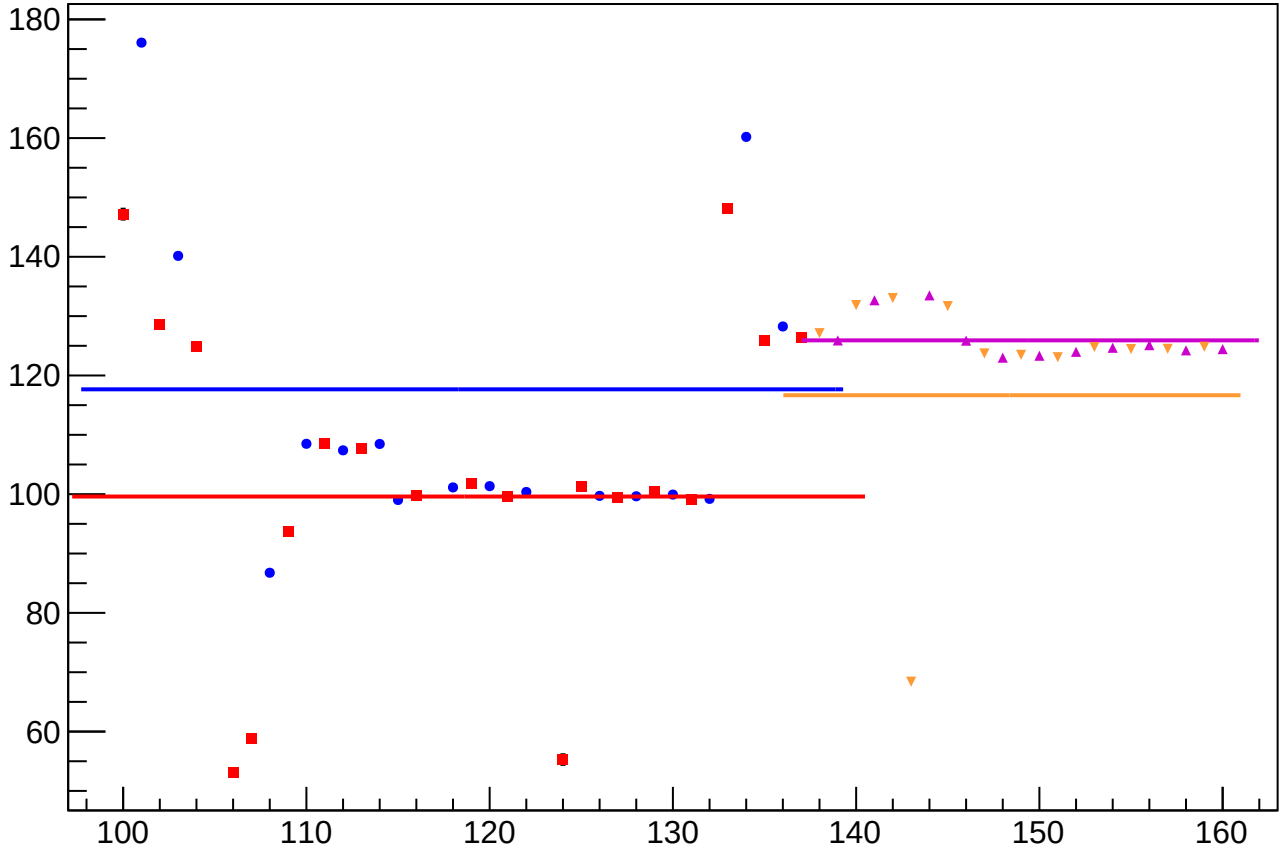
In: -243.164+/-0.917 χ^2/NDF:1223.2/26

Out: -221.661+/-0.856 χ^2/NDF:4016.4/30

All: -231.675+/-0.626 χ^2/NDF: 5533.3/57


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -62.320+/-1.023 χ²/NDF:337.7/11
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -68.211+/-1.110 χ²/NDF:132.9/10
Left: -65.024+/-0.752 χ²/NDF: 485.8/22
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -73.866+/-0.841 χ²/NDF:560.2/26
Out: -67.446+/-0.786 χ²/NDF:975.8/30
All: -70.443+/-0.574 χ²/NDF: 1567.0/57

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: 125.920+/-0.052 χ^2/NDF:4224.4/10

Left: 121.079+/-0.036 χ^2/NDF: 214001.6/22

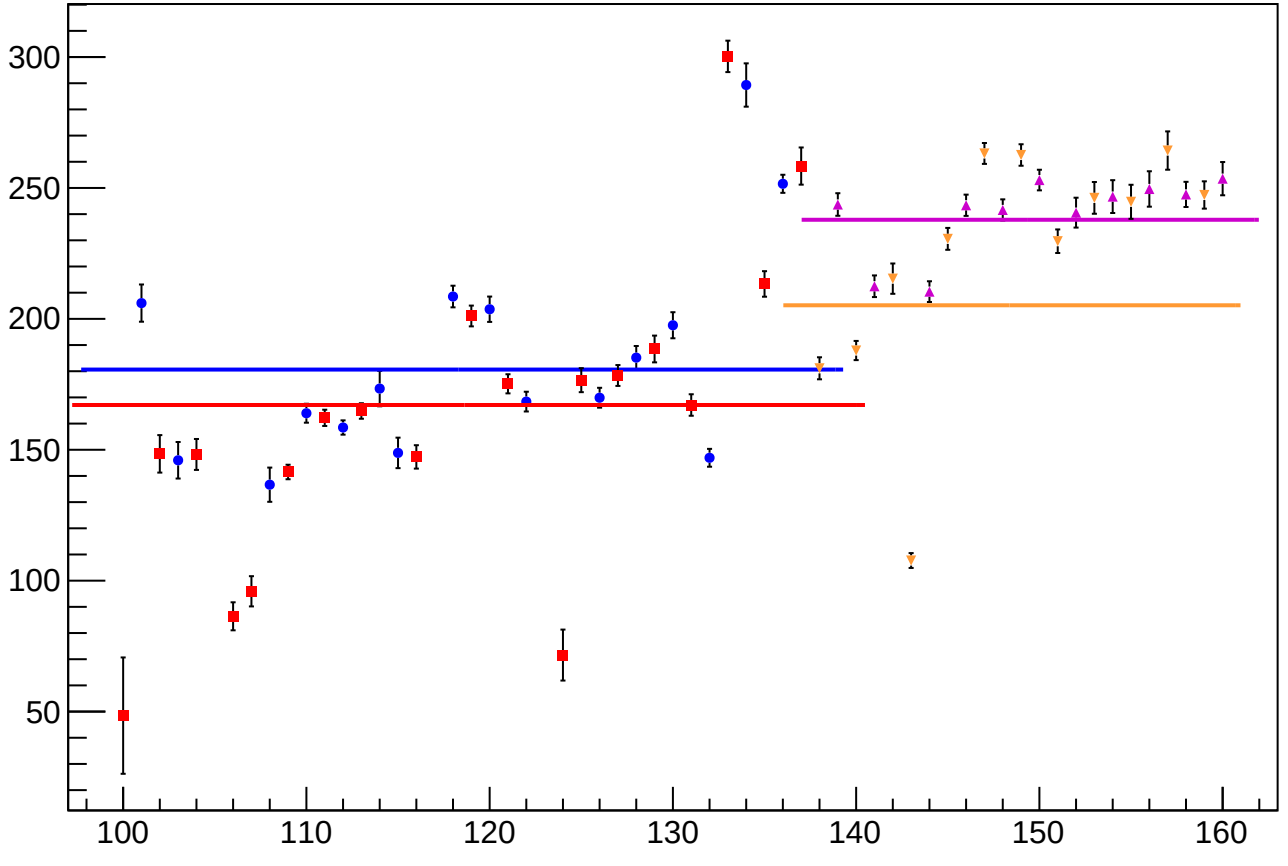
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.379+/-0.043 χ^2/NDF:107322.2/26

Out: 110.970+/-0.041 χ^2/NDF:398823.5/30

All: 116.765+/-0.030 χ^2/NDF: 549693.8/57

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: 237.849+/-1.402 χ^2/NDF:120.6/10

Left: 219.910+/-0.941 χ^2/NDF: 2340.0/22

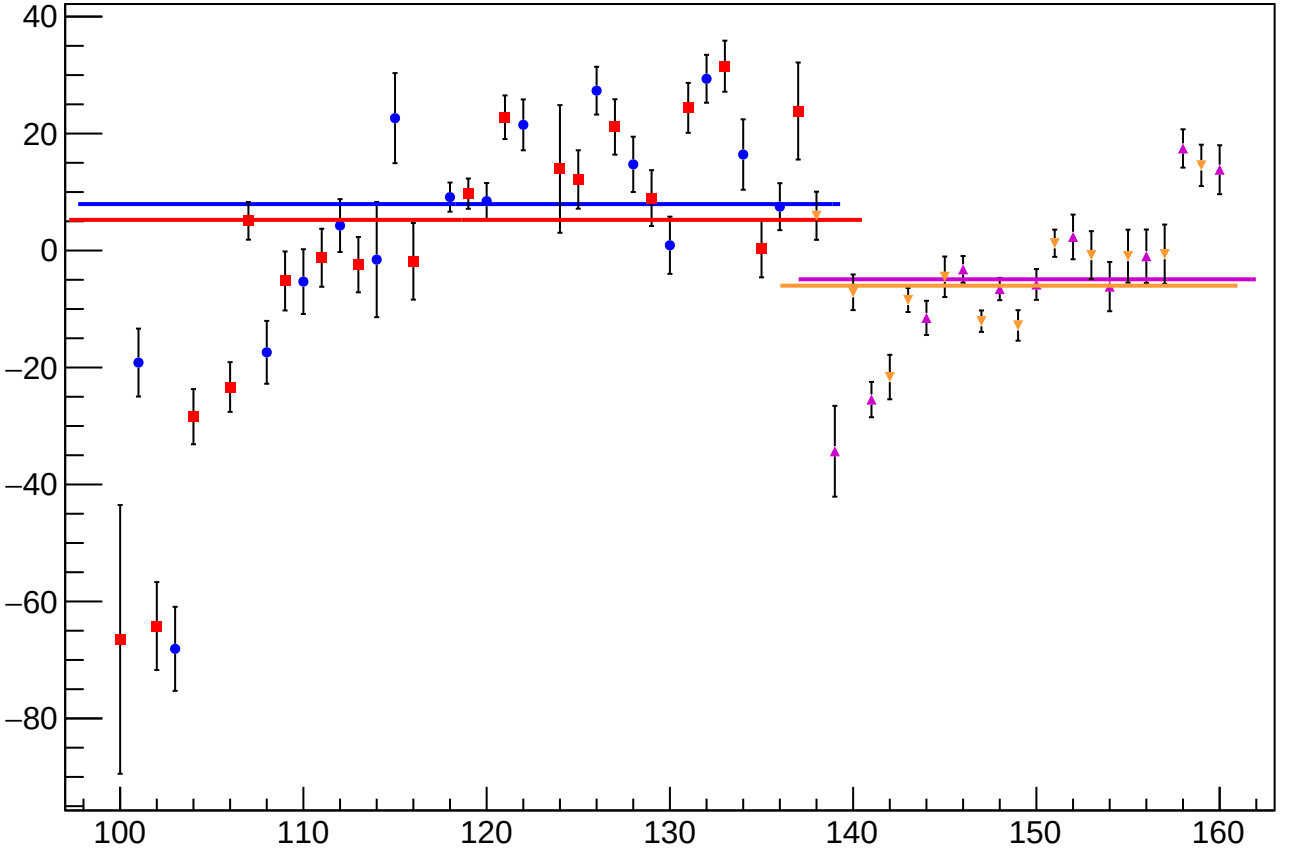
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.176+/-0.860 χ^2/NDF:2152.1/26

Out: 182.045+/-0.796 χ^2/NDF:3952.1/30

All: 191.326+/-0.584 χ^2/NDF: 6399.3/57

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: -4.918+/-0.921 χ^2/NDF:138.4/10

Left: -5.512+/-0.621 χ^2/NDF: 231.5/22

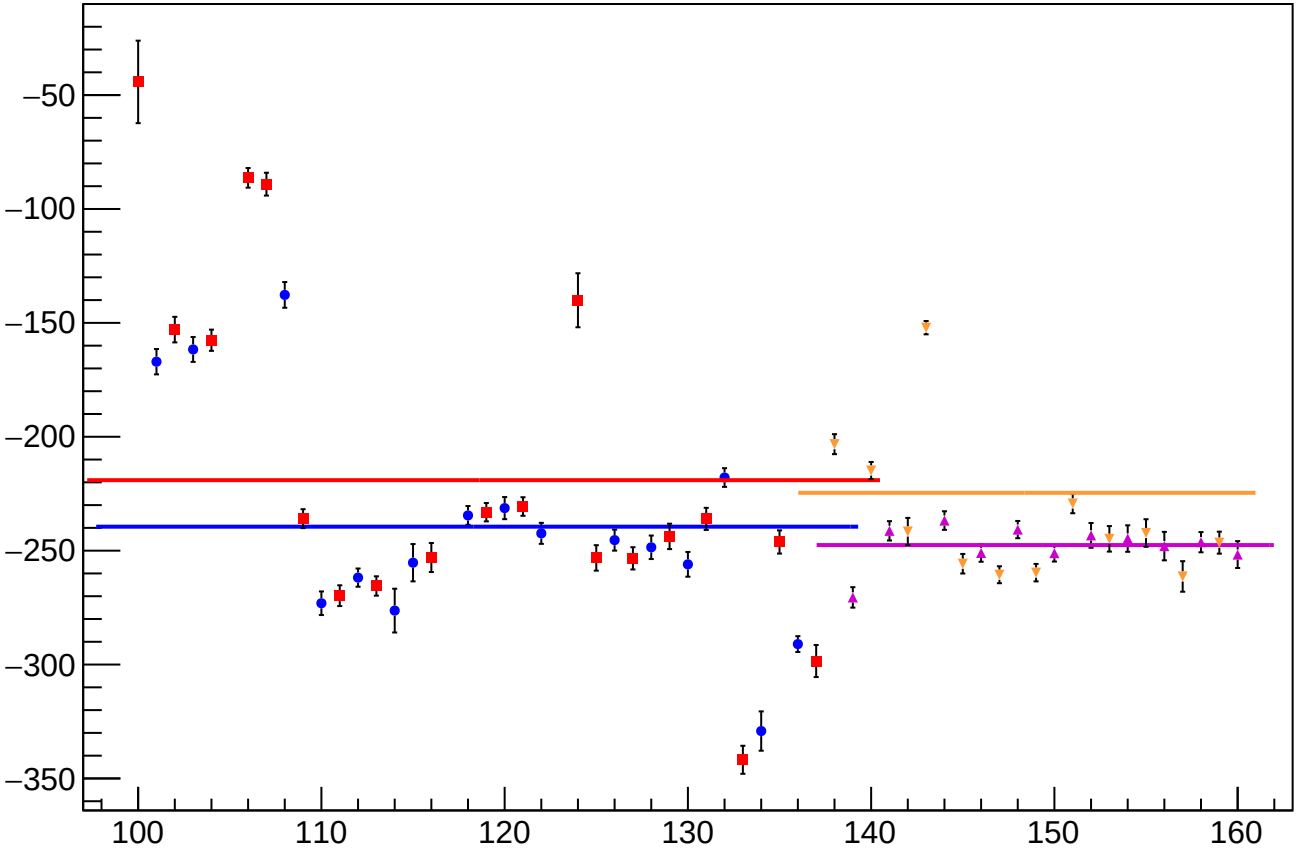
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.309+/-0.710 χ^2/NDF:450.5/26

Out: -1.669+/-0.660 χ^2/NDF:464.3/30

All: -0.752+/-0.483 χ^2/NDF: 918.9/57

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: -247.544+/-1.356 χ^2/NDF:41.7/10

Left: -235.134+/-0.919 χ^2/NDF: 1153.3/22

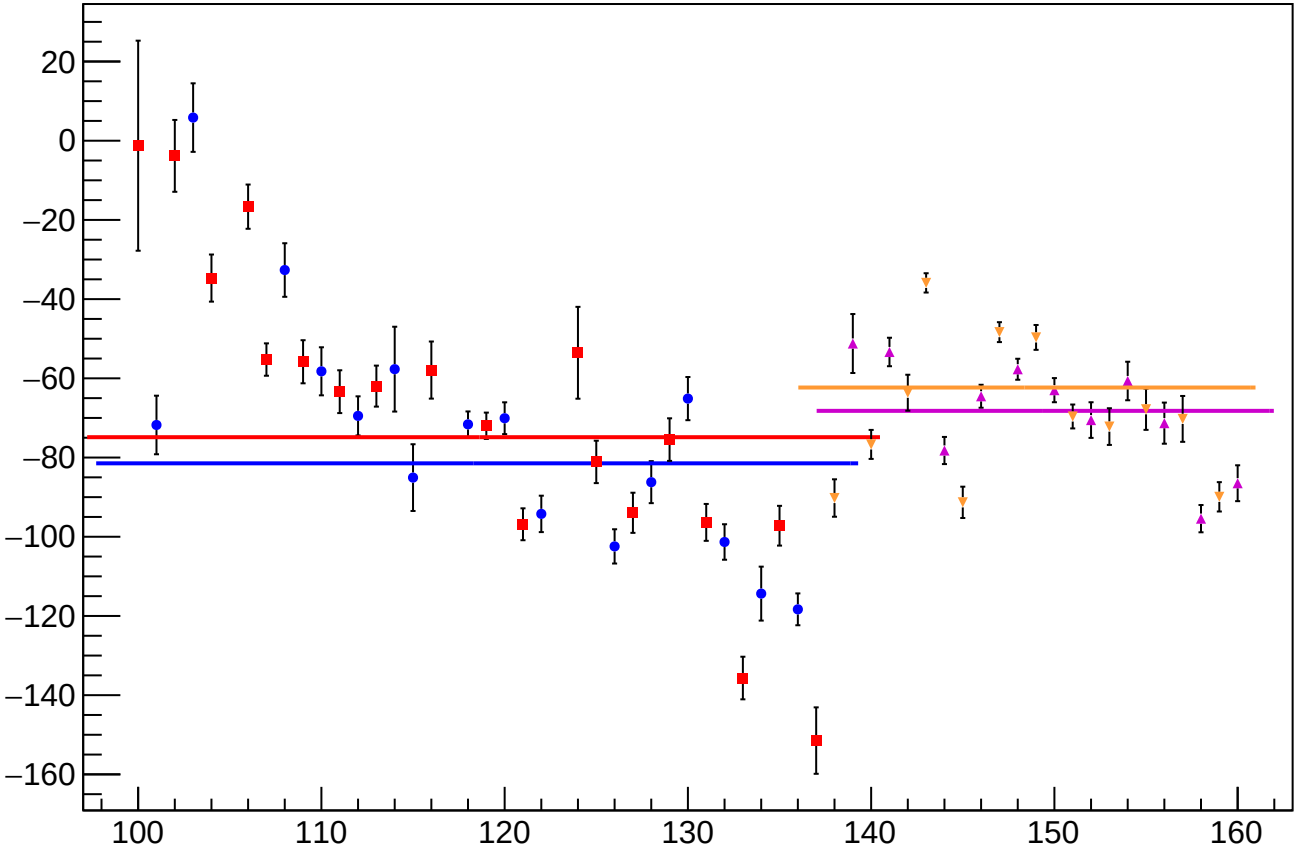
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -243.164+/-0.917 χ^2/NDF:1223.2/26

Out: -221.661+/-0.856 χ^2/NDF:4016.4/30

All: -231.675+/-0.626 χ^2/NDF: 5533.3/57

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: -68.211+/-1.110 χ^2/NDF:132.9/10

Left: -65.024+/-0.752 χ^2/NDF: 485.8/22

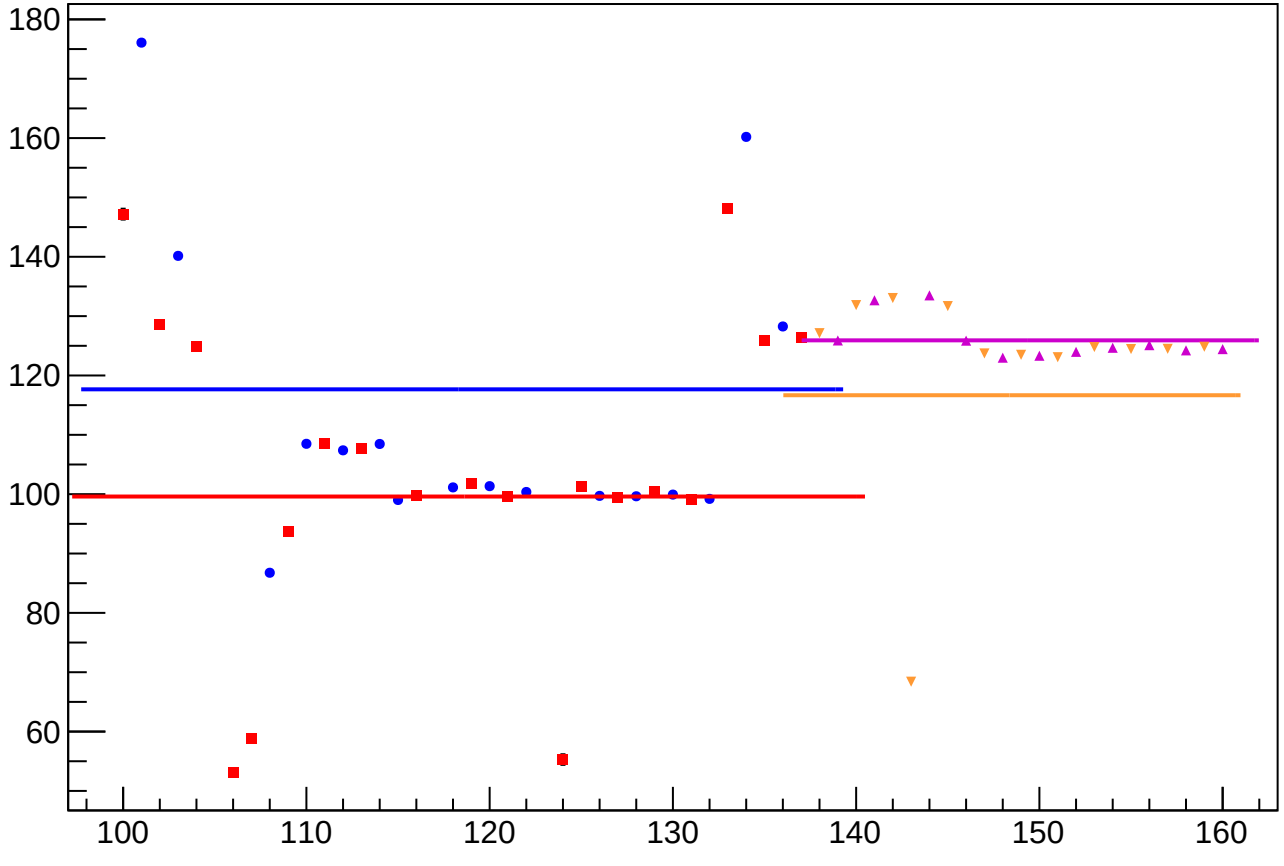
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.866+/-0.841 χ^2/NDF:560.2/26

Out: -67.446+/-0.786 χ^2/NDF:975.8/30

All: -70.443+/-0.574 χ^2/NDF: 1567.0/57

reg_asym_atl1r2_dd_atl2r1_dd_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: 125.920+/-0.052 χ^2/NDF:4224.4/10

Left: 121.079+/-0.036 χ^2/NDF: 214001.6/22

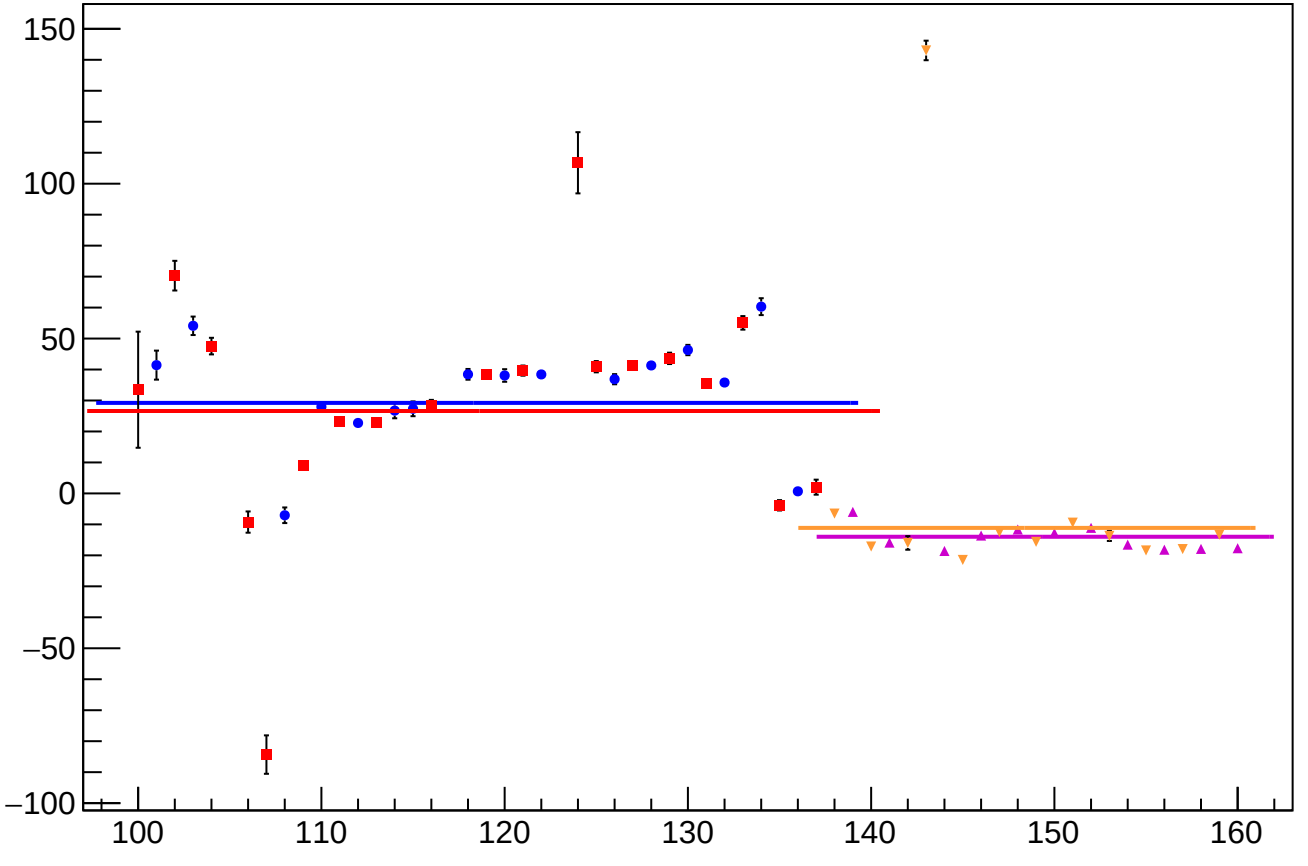
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.379+/-0.043 χ^2/NDF:107322.2/26

Out: 110.970+/-0.041 χ^2/NDF:398823.5/30

All: 116.765+/-0.030 χ^2/NDF: 549693.8/57

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: -13.993+/-0.440 χ^2/NDF:82.4/10

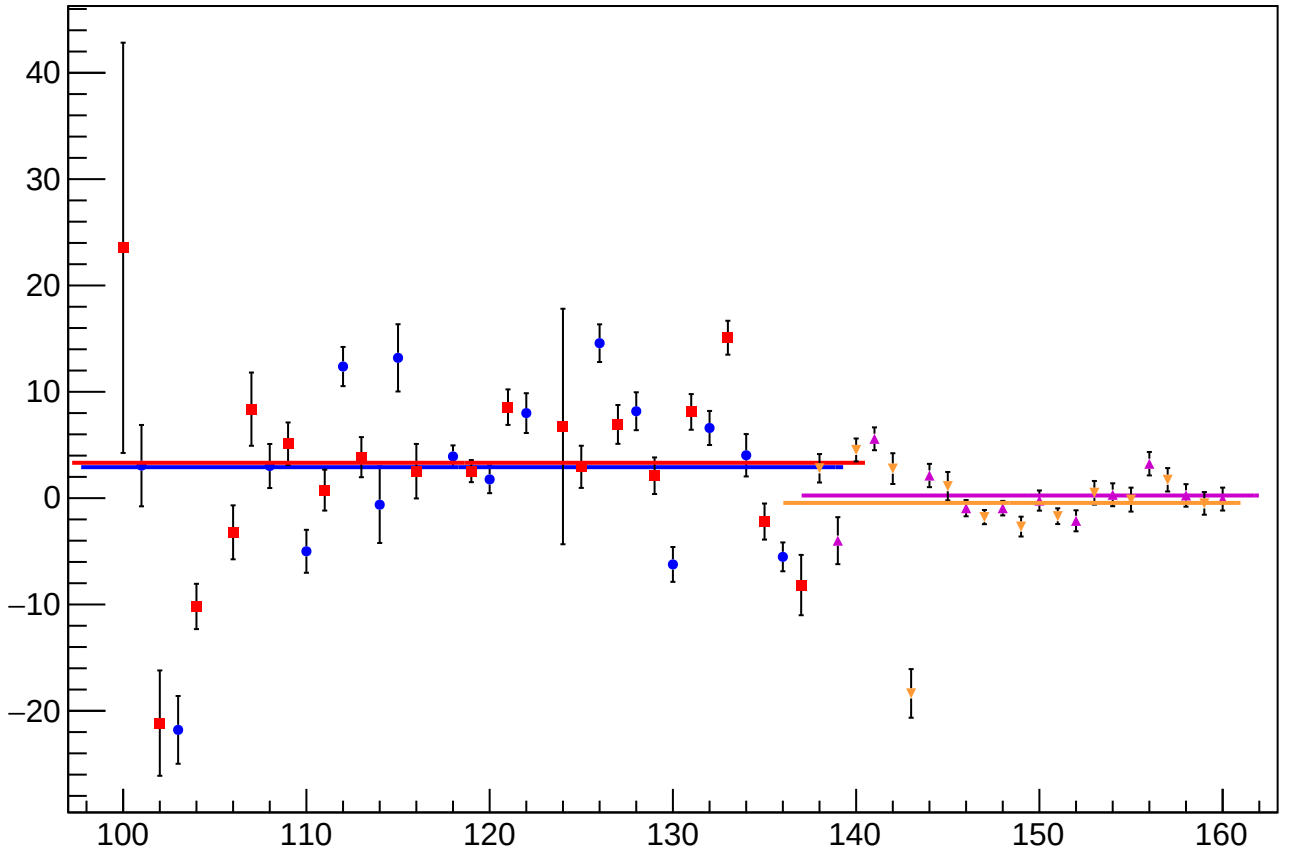
Left: -12.586+/-0.314 χ^2/NDF: 2630.6/22

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 8.422+/-0.306 χ^2/NDF:6421.3/26

Out: 9.213+/-0.304 χ^2/NDF:8276.9/30

All: 8.819+/-0.216 χ^2/NDF: 14701.5/57



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: 0.249+/-0.297 χ^2/NDF:50.3/10

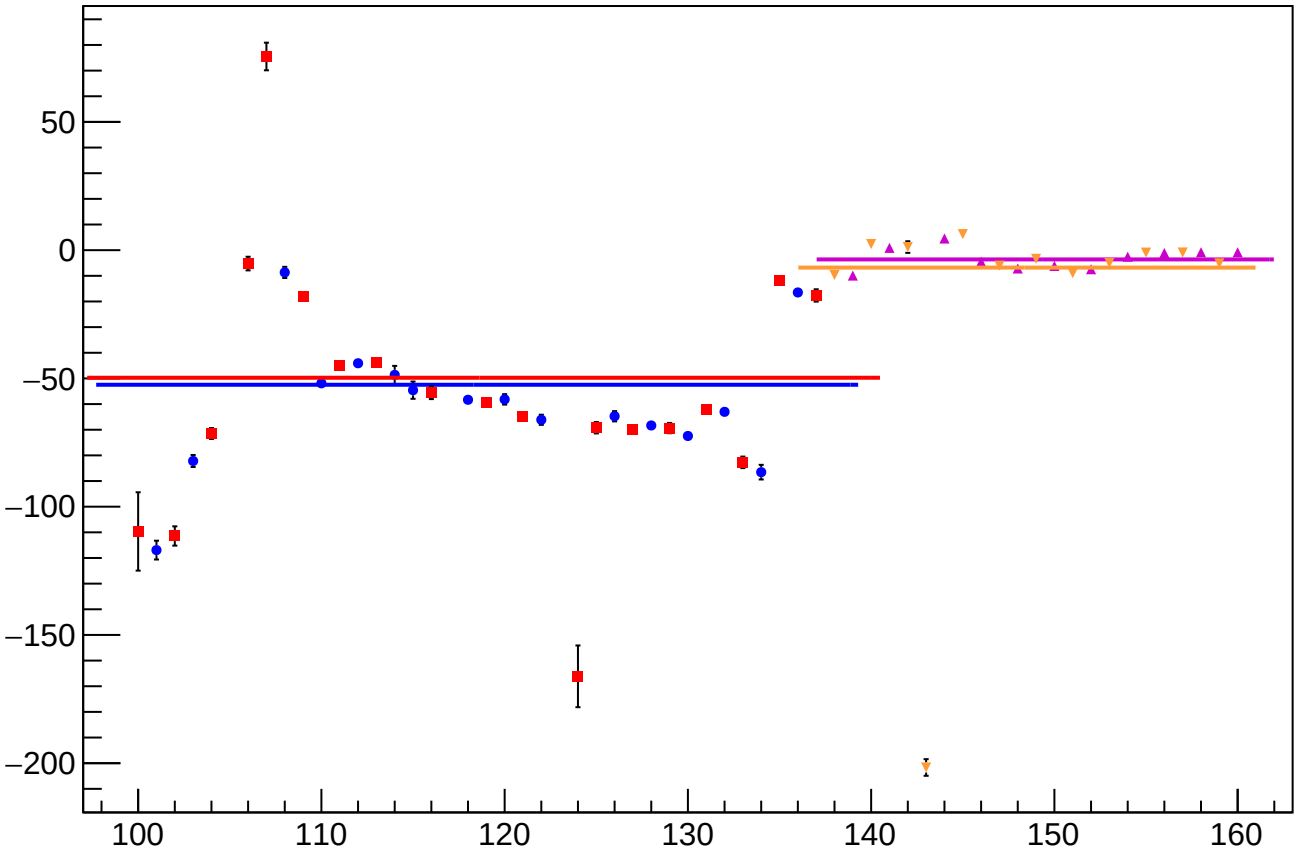
Left: -0.096+/-0.211 χ^2/NDF: 165.2/22

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.076+/-0.247 χ^2/NDF:325.2/26

Out: 0.696+/-0.250 χ^2/NDF:342.2/30

All: 0.889+/-0.175 χ^2/NDF: 668.6/57



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: -3.607+/-0.424 χ^2/NDF:91.0/10

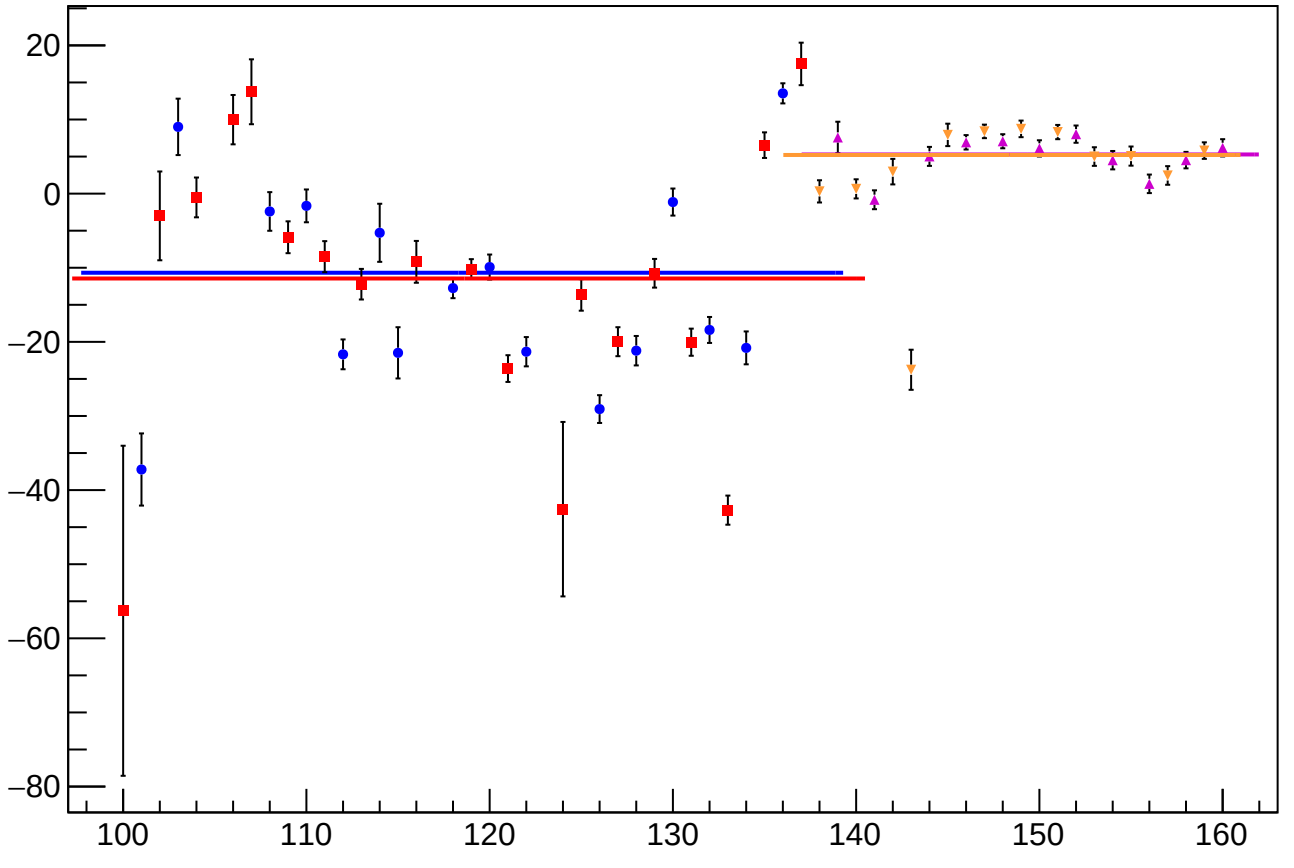
Left: -5.165+/-0.303 χ^2/NDF: 3903.8/22

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -24.655+/-0.320 χ^2/NDF:8132.5/26

Out: -25.464+/-0.326 χ^2/NDF:11065.2/30

All: -25.052+/-0.228 χ^2/NDF: 19200.9/57



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: 5.285+/-0.353 χ^2/NDF:48.2/10

Left: 5.252+/-0.252 χ^2/NDF: 228.7/22

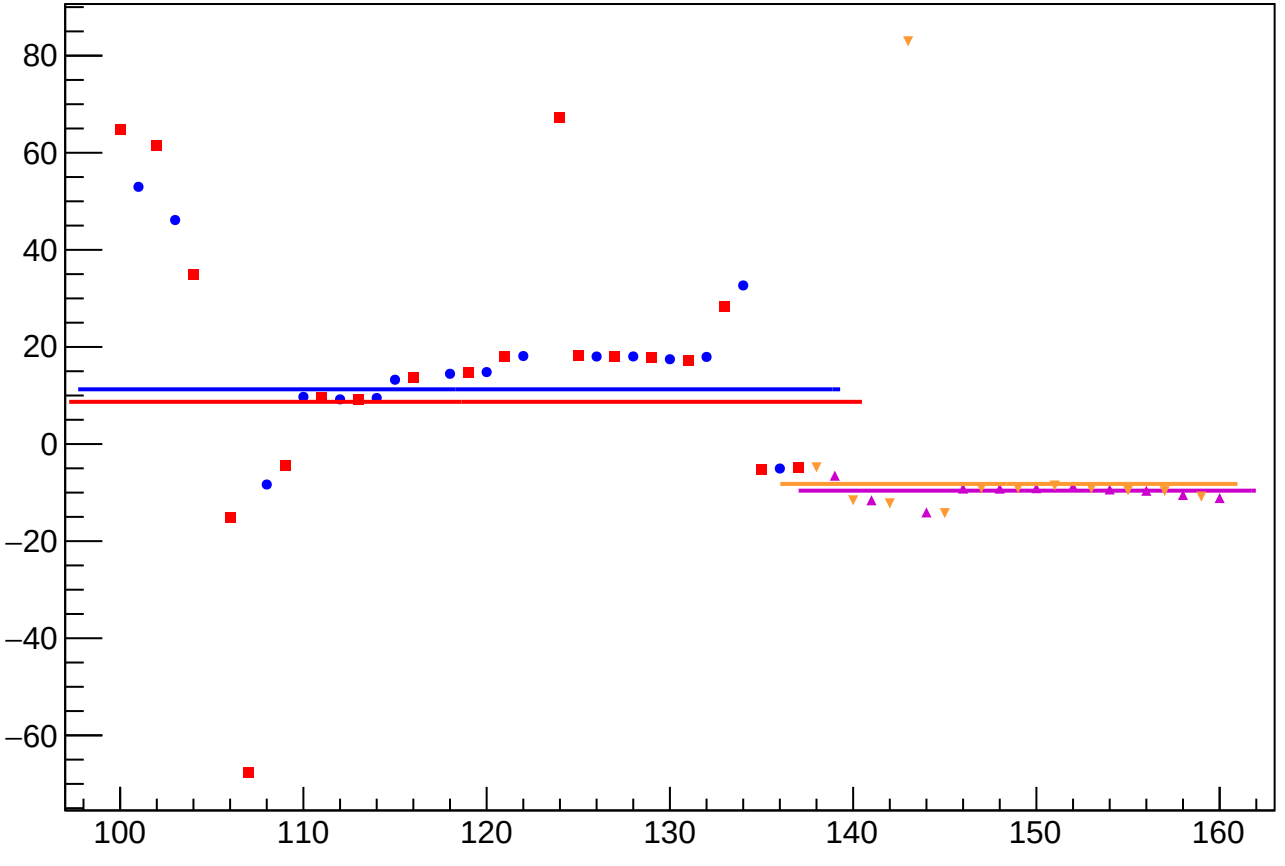
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.051+/-0.289 χ^2/NDF:1384.6/26

Out: -0.244+/-0.295 χ^2/NDF:1547.5/30

All: -0.094+/-0.207 χ^2/NDF: 2932.7/57

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: -9.600+/-0.016 χ^2/NDF:11611.5/10

Left: -8.933+/-0.011 χ^2/NDF: 494812.8/22

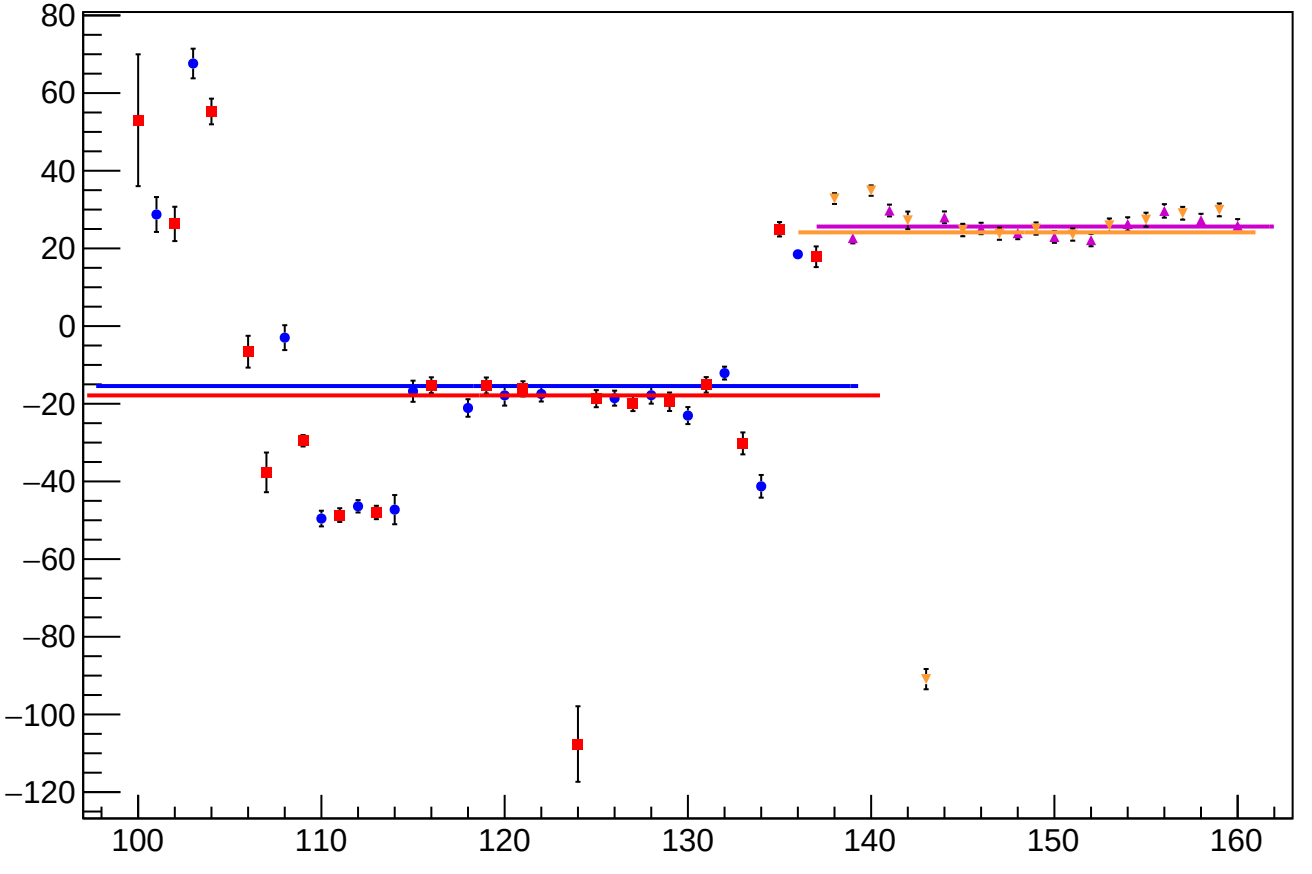
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.015+/-0.014 χ^2/NDF:740828.7/26

Out: -4.557+/-0.015 χ^2/NDF:1142718.6/30

All: -4.795+/-0.010 χ^2/NDF: 1884057.7/57

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: 25.631+/-0.472 χ^2/NDF:30.2/10

Left: 24.892+/-0.336 χ^2/NDF: 2106.2/22

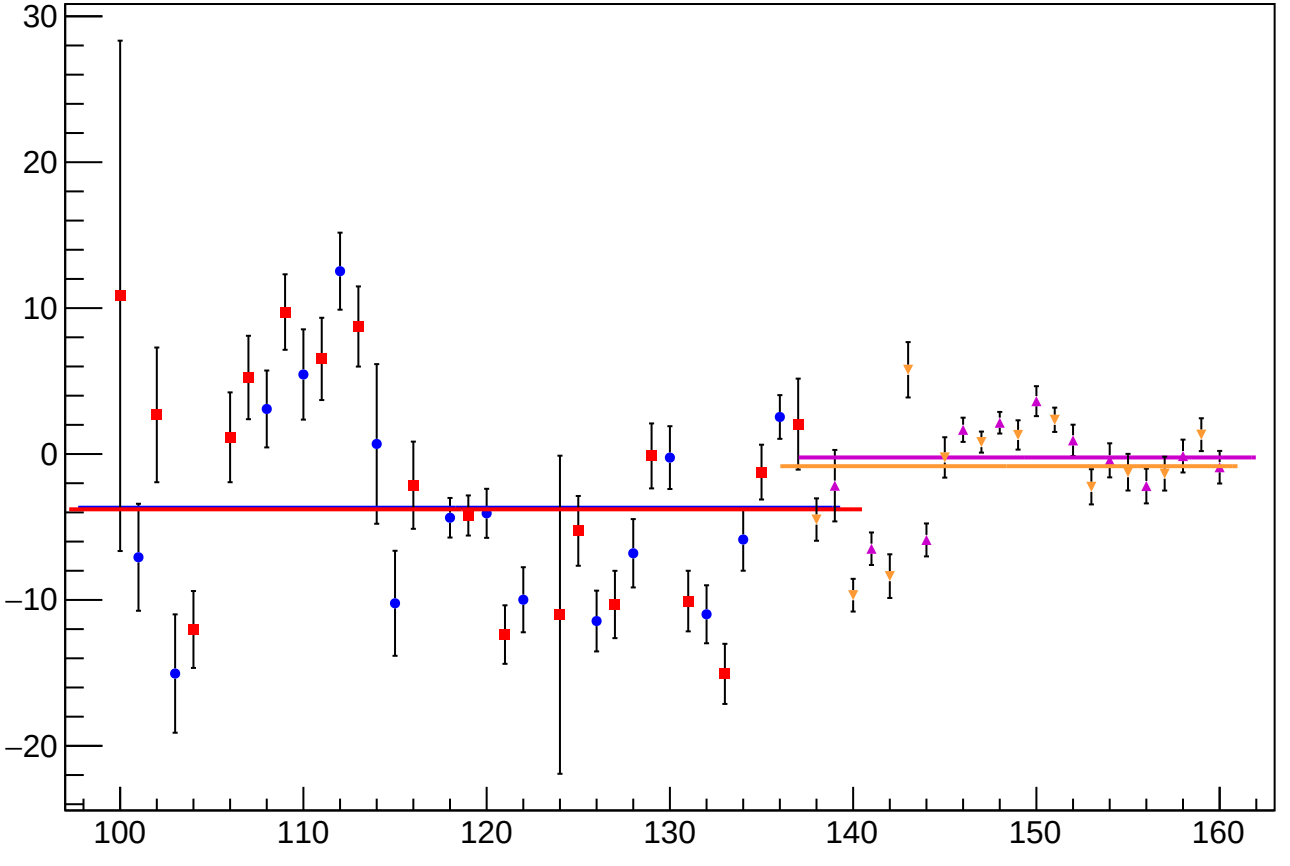
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 7.789+/-0.355 χ^2/NDF:5437.3/26

Out: 5.282+/-0.355 χ^2/NDF:7658.0/30

All: 6.534+/-0.251 χ^2/NDF: 13120.3/57

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.834+/-0.321 χ^2/NDF:135.9/11

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.234+/-0.318 χ^2/NDF:91.1/10

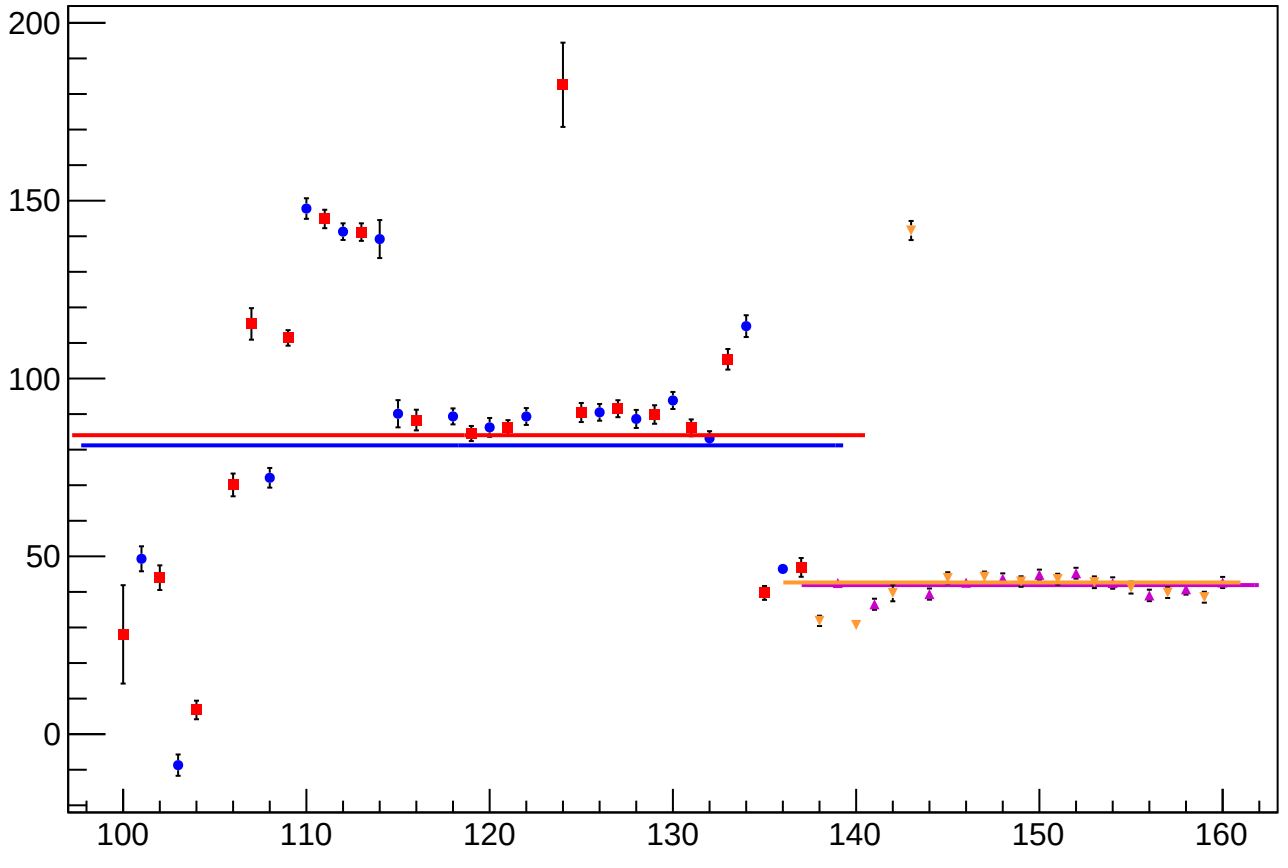
Left: -0.532+/-0.226 χ^2/NDF: 228.8/22

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.094+/-0.276 χ^2/NDF:244.4/26

Out: -1.557+/-0.279 χ^2/NDF:317.9/30

All: -1.323+/-0.196 χ^2/NDF: 563.7/57



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: 41.920+/-0.455 χ^2/NDF:29.7/10

Left: 42.281+/-0.325 χ^2/NDF: 1533.8/22

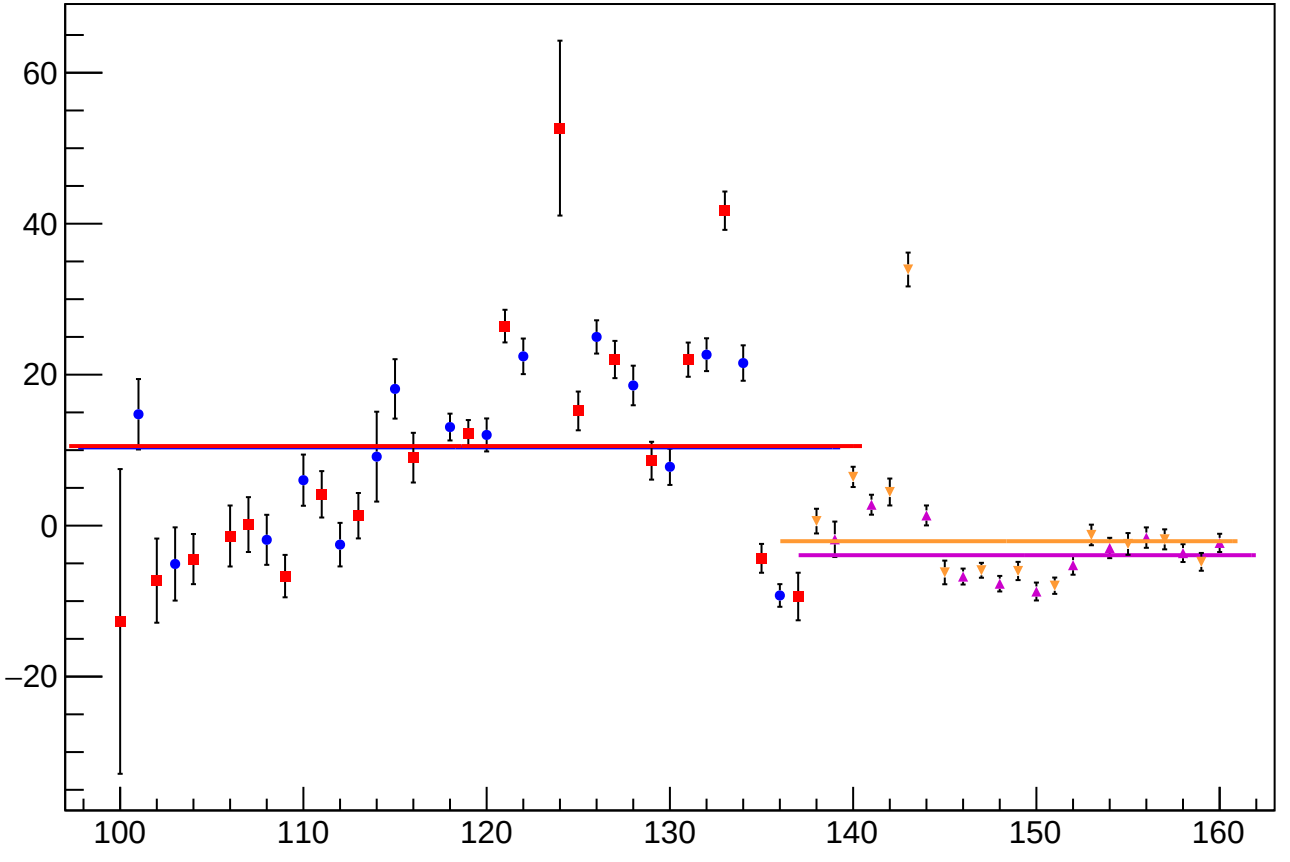
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.064+/-0.364 χ^2/NDF:5940.0/26

Out: 57.614+/-0.370 χ^2/NDF:7593.4/30

All: 56.826+/-0.260 χ^2/NDF: 13542.3/57

reg_asym_at1_dd_at2_dd_avg_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: -3.918+/-0.378 χ^2/NDF:85.8/10

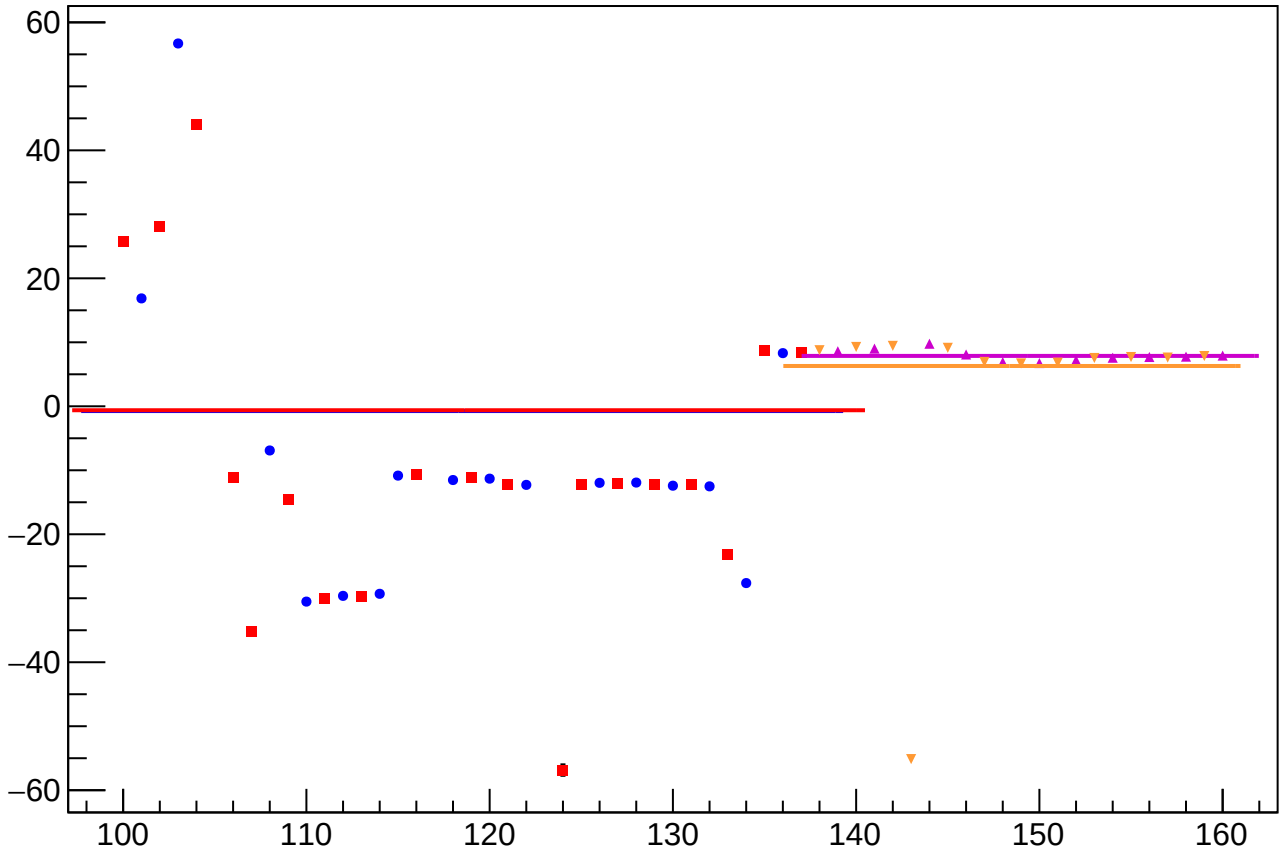
Left: -3.009+/-0.270 χ^2/NDF: 480.2/22

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: -0.106+/-0.324 χ^2/NDF:826.7/26

Out: 1.293+/-0.330 χ^2/NDF:1137.7/30

All: 0.579+/-0.231 χ^2/NDF: 1973.5/57



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: 7.874+/-0.017 χ^2/NDF:2110.4/10

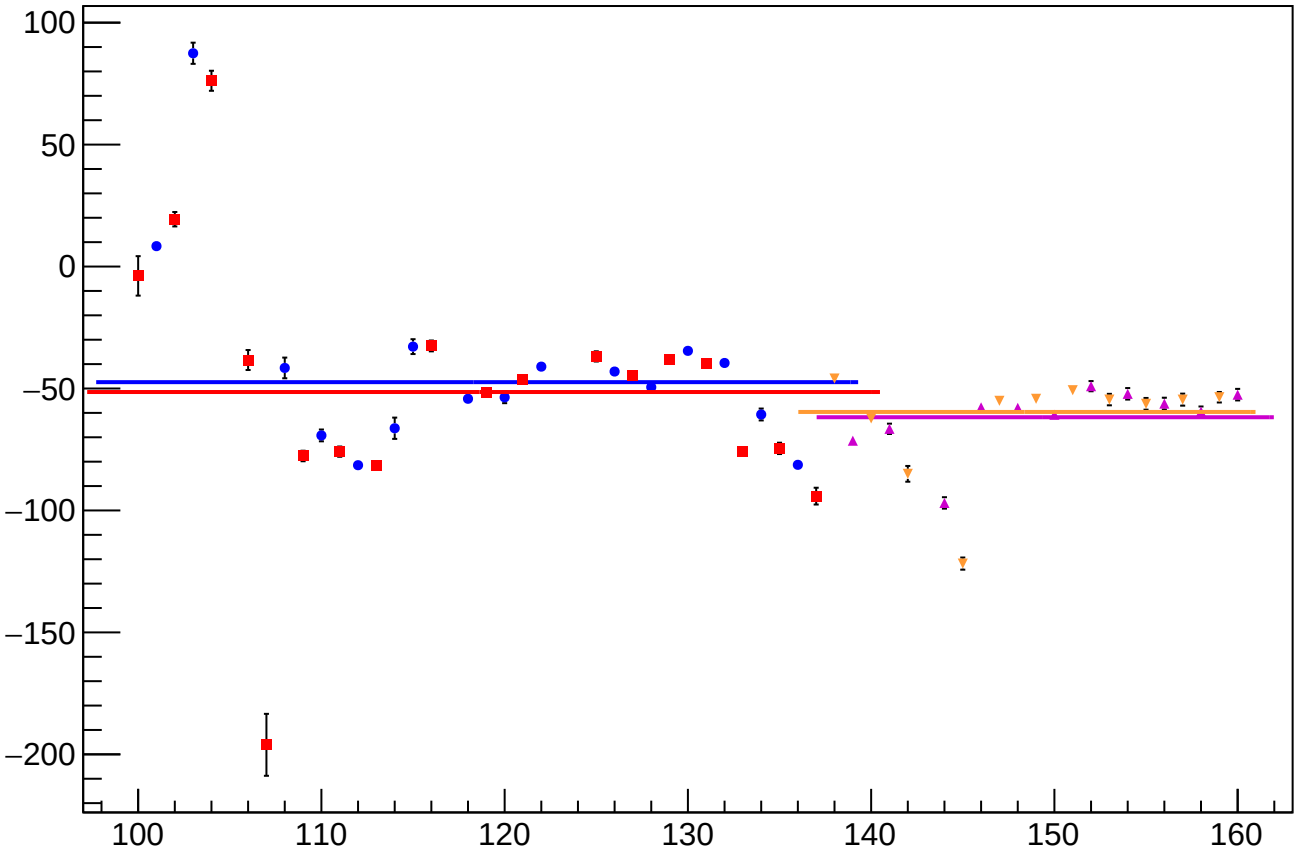
Left: 7.115+/-0.012 χ^2/NDF: 318591.0/22

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.285+/-0.015 χ^2/NDF:417173.7/26

Out: 5.031+/-0.016 χ^2/NDF:656907.6/30

All: 5.681+/-0.011 χ^2/NDF: 1077272.3/57



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: -61.783+/-0.623 χ^2/NDF:343.3/10

Left: -60.732+/-0.447 χ^2/NDF: 1148.4/21

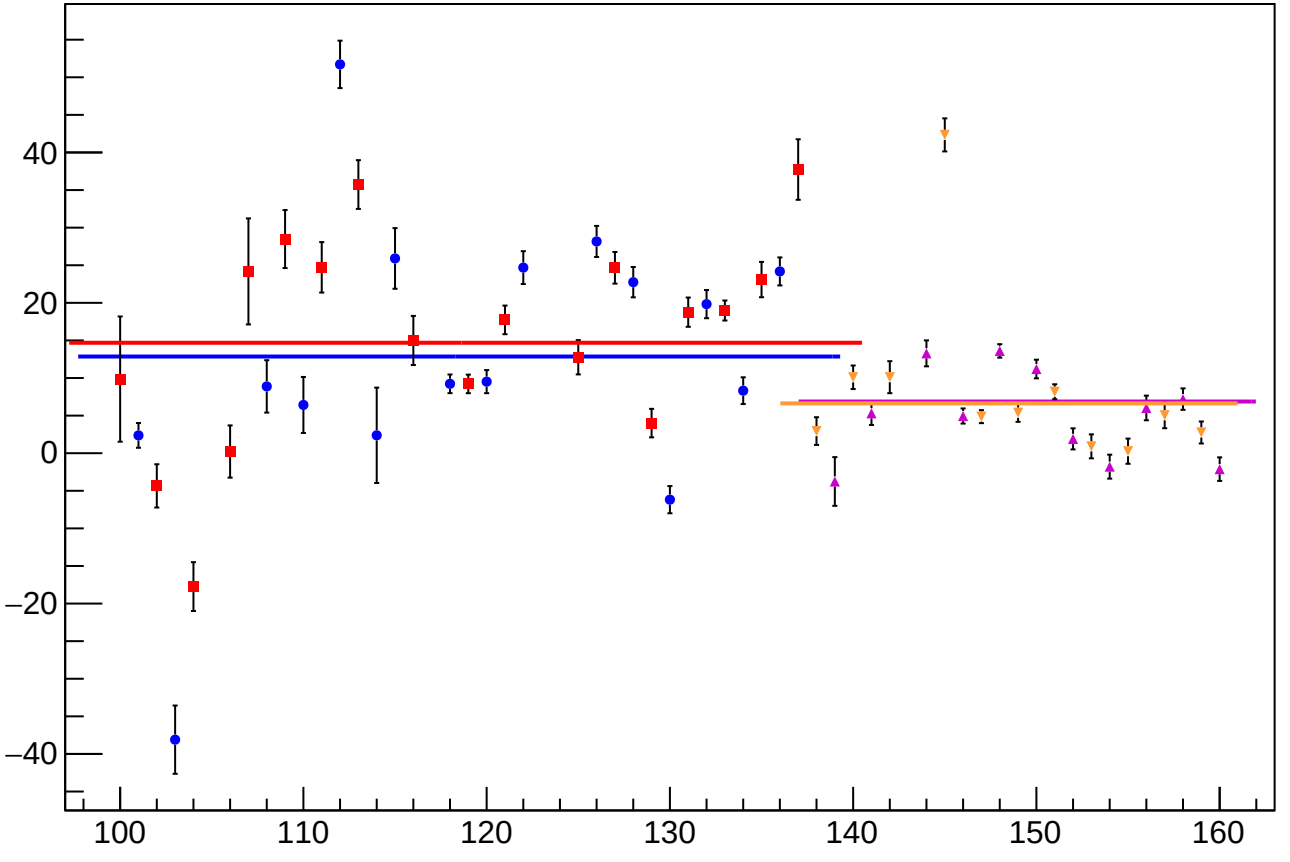
Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -53.509+/-0.406 χ^2/NDF:3419.3/26

Out: -54.866+/-0.416 χ^2/NDF:3766.1/28

All: -54.171+/-0.290 χ^2/NDF: 7190.9/55

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.629+/-0.418 χ^2/NDF:318.0/10

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.874+/-0.412 χ^2/NDF:173.1/10

Left: 6.753+/-0.293 χ^2/NDF: 491.3/21

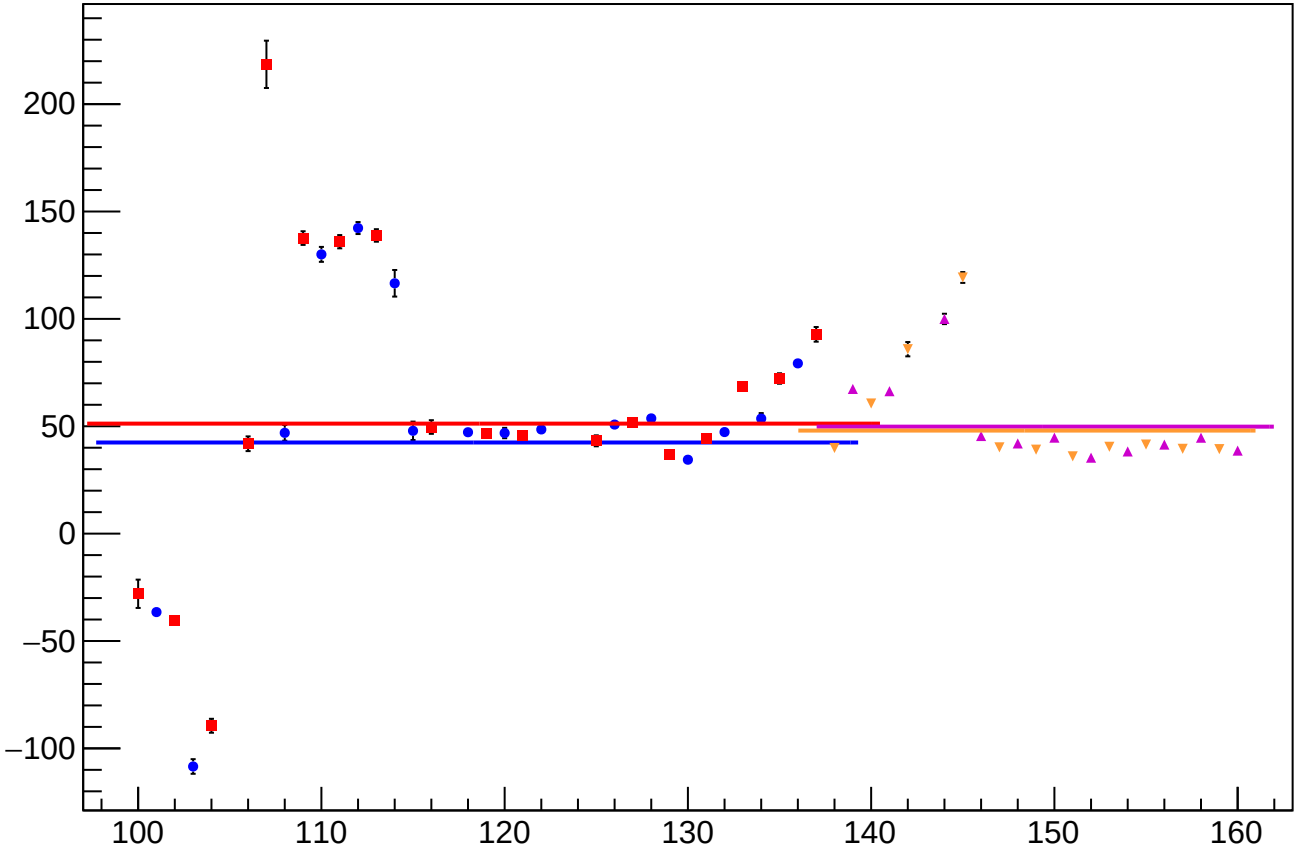
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 9.186+/-0.322 χ^2/NDF:880.3/26

Out: 9.622+/-0.332 χ^2/NDF:820.0/28

All: 9.398+/-0.231 χ^2/NDF: 1701.2/55

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: 49.817+/-0.598 χ^2/NDF:739.1/10

Left: 48.933+/-0.430 χ^2/NDF: 1877.9/21

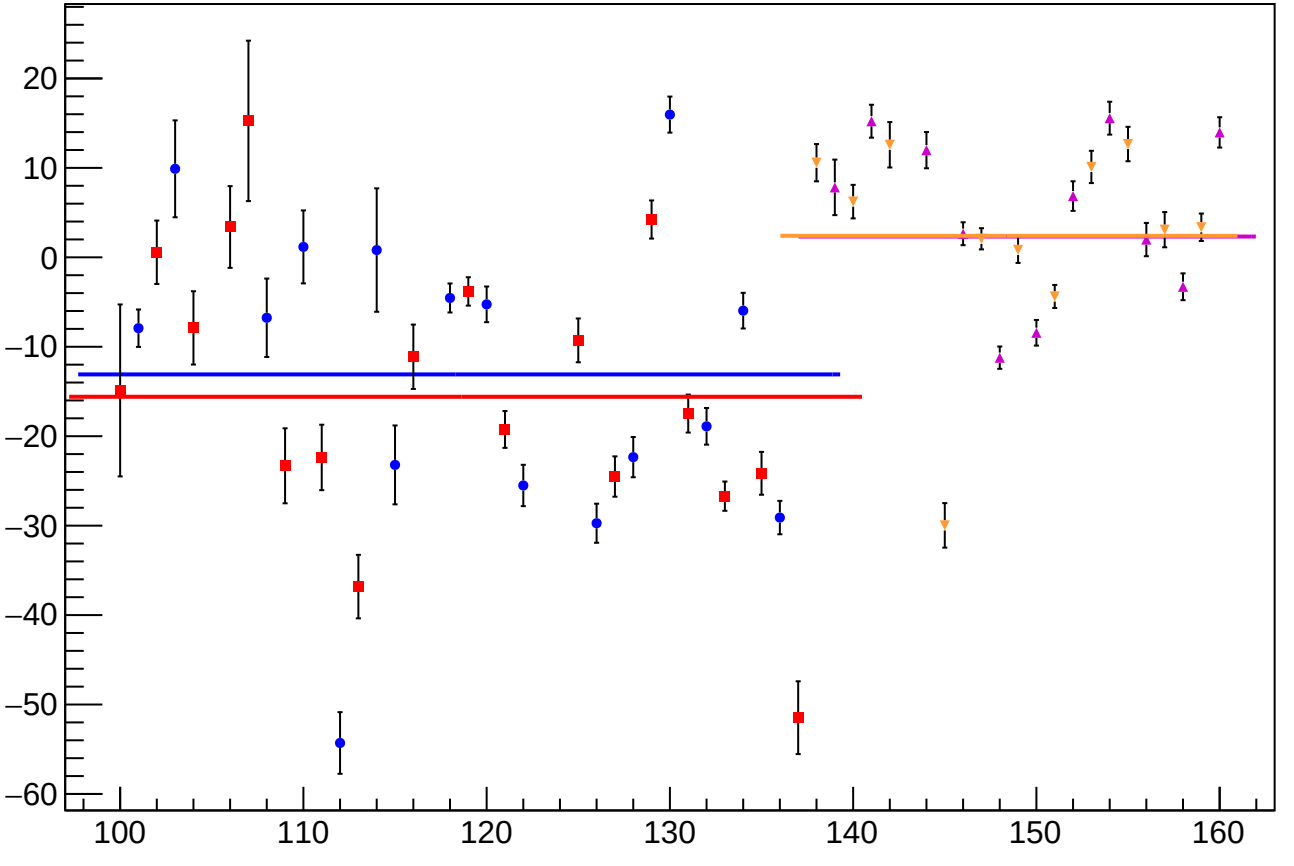
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 46.039+/-0.418 χ^2/NDF:7985.8/26

Out: 49.618+/-0.436 χ^2/NDF:7759.4/28

All: 47.752+/-0.302 χ^2/NDF: 15780.3/55

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 2.324+/-0.492 χ^2/NDF:369.8/10

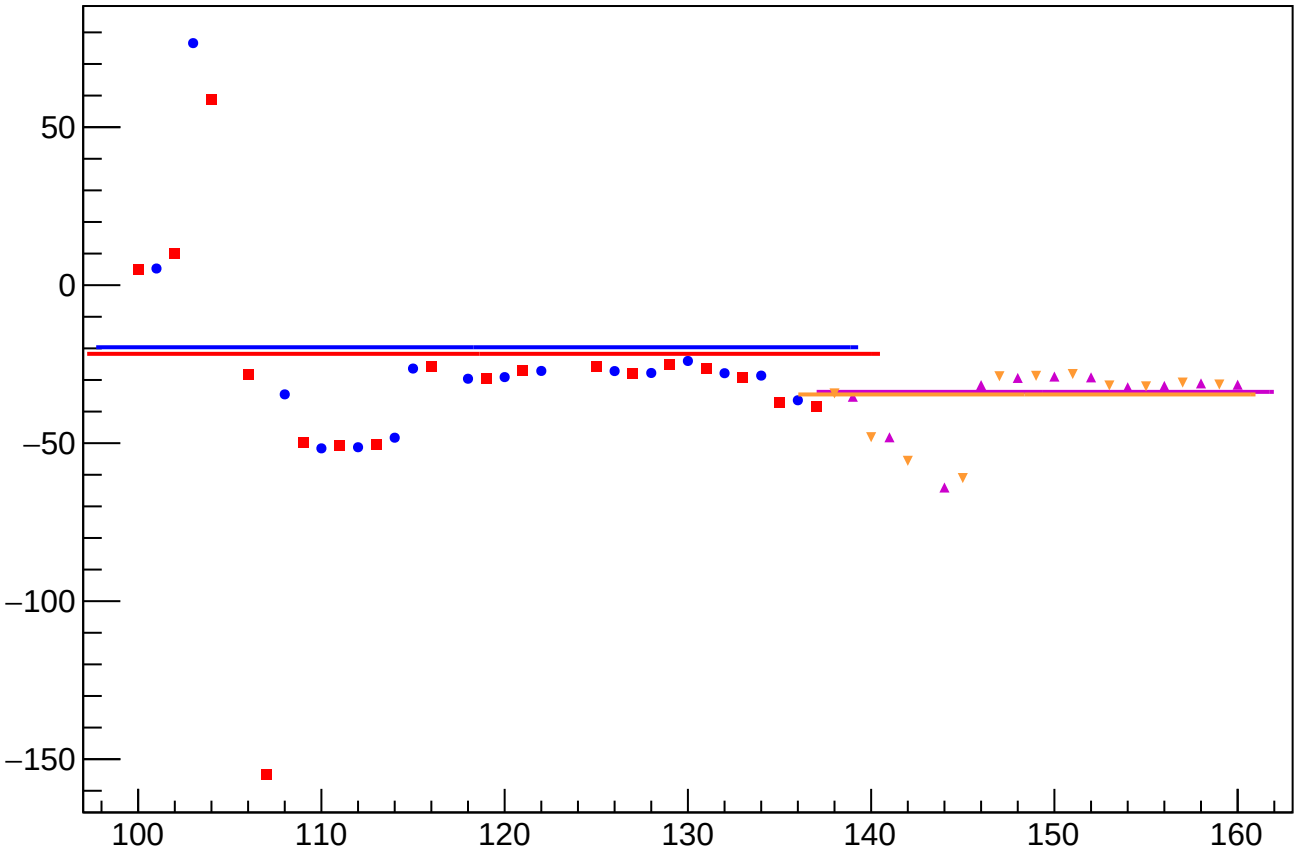
Left: 2.364+/-0.354 χ^2/NDF: 650.6/21

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -3.883+/-0.381 χ^2/NDF:1404.2/26

Out: -4.727+/-0.395 χ^2/NDF:1180.1/28

All: -4.290+/-0.274 χ^2/NDF: 2586.7/55



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: -33.763+/-0.022 χ^2/NDF:121949.2/10

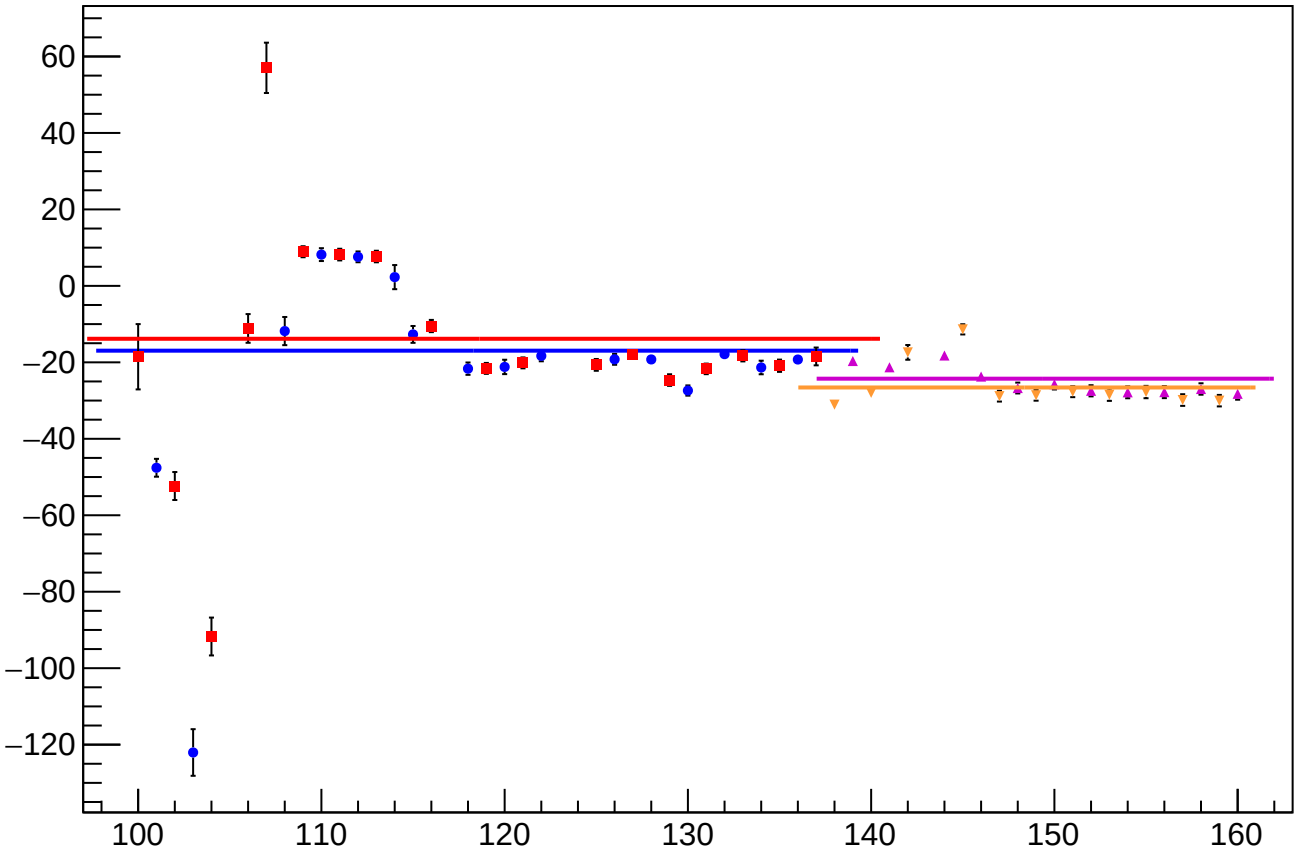
Left: -34.149+/-0.016 χ^2/NDF: 269352.9/21

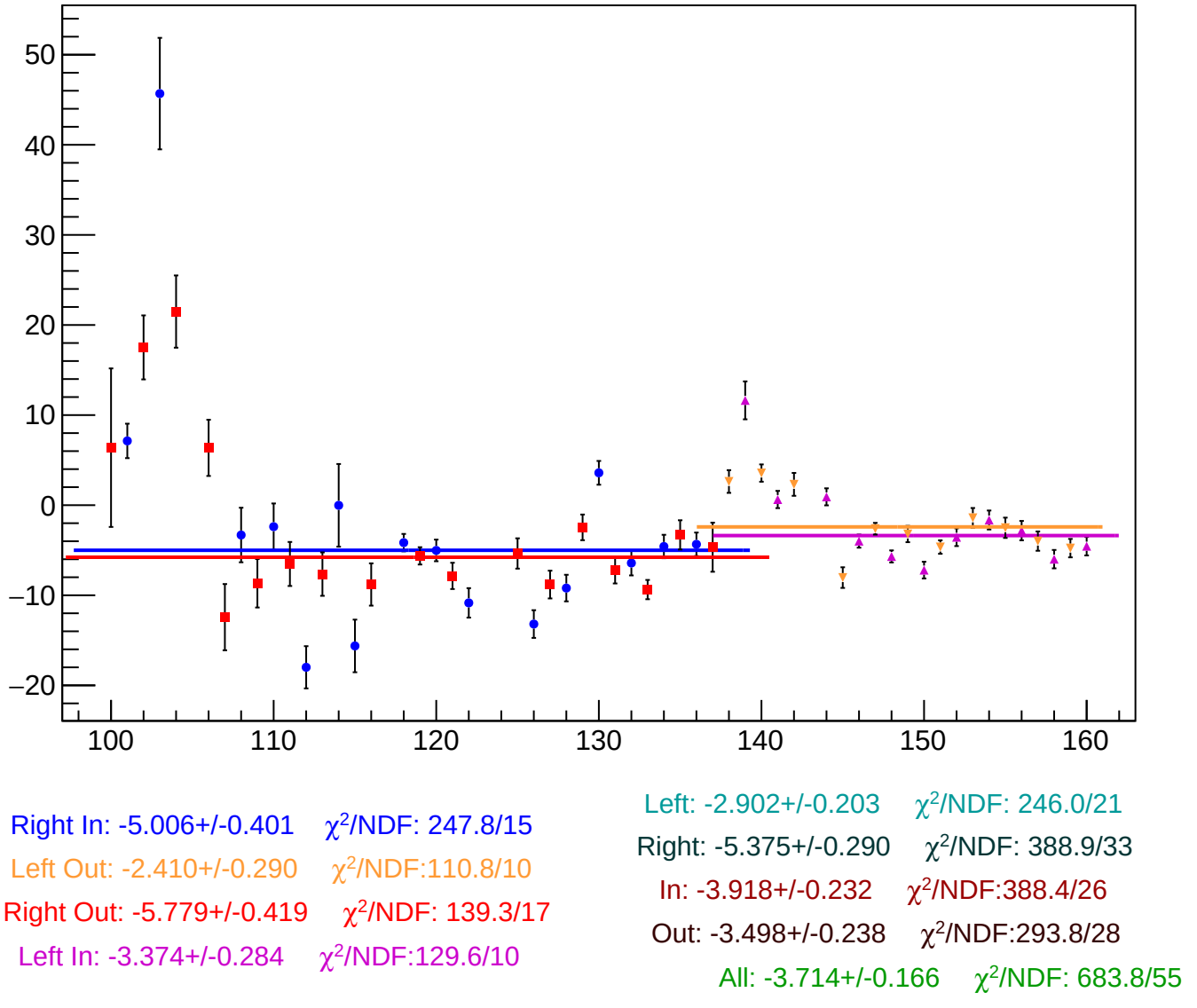
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.820+/-0.019 χ^2/NDF:879052.3/26

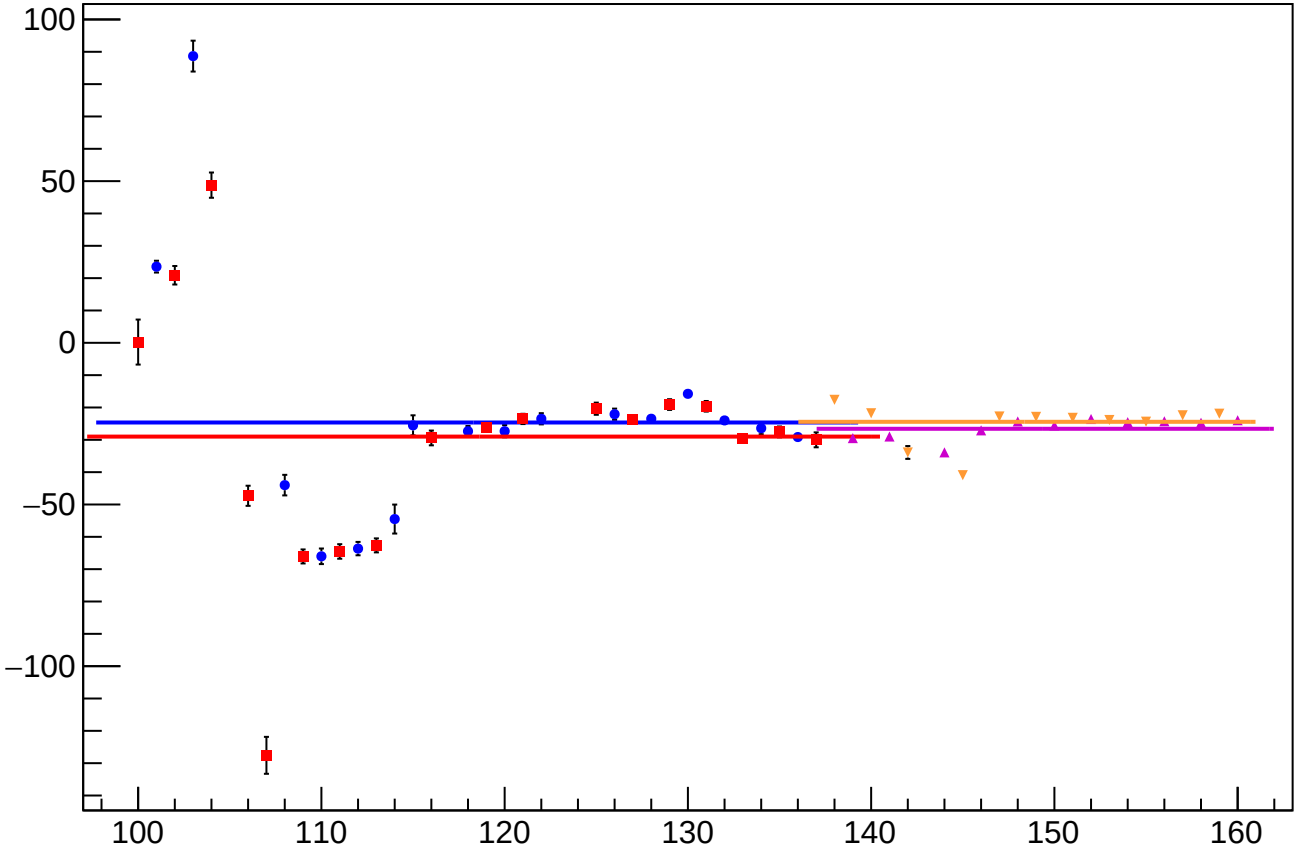
Out: -31.084+/-0.020 χ^2/NDF:772922.6/28

All: -30.413+/-0.014 χ^2/NDF: 1654034.9/55


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -26.577+/-0.430 χ²/NDF:184.9/10
Right Out: -13.837+/-0.409 χ²/NDF: 1333.2/17
Left In: -24.276+/-0.418 χ²/NDF:72.4/10
Left: -25.395+/-0.300 χ²/NDF: 272.0/21
Right: -15.414+/-0.287 χ²/NDF: 2490.7/33
In: -20.485+/-0.291 χ²/NDF:1359.4/26
Out: -19.894+/-0.296 χ²/NDF:1978.9/28
All: -20.195+/-0.207 χ²/NDF: 3340.3/55


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -5.006+/-0.401 χ²/NDF: 247.8/15
Left Out: -2.410+/-0.290 χ²/NDF:110.8/10
Right Out: -5.779+/-0.419 χ²/NDF: 139.3/17
Left In: -3.374+/-0.284 χ²/NDF:129.6/10
Left: -2.902+/-0.203 χ²/NDF: 246.0/21
Right: -5.375+/-0.290 χ²/NDF: 388.9/33
In: -3.918+/-0.232 χ²/NDF:388.4/26
Out: -3.498+/-0.238 χ²/NDF:293.8/28
All: -3.714+/-0.166 χ²/NDF: 683.8/55

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: -26.588+/-0.404 χ^2/NDF:57.7/10

Left: -25.543+/-0.290 χ^2/NDF: 284.9/21

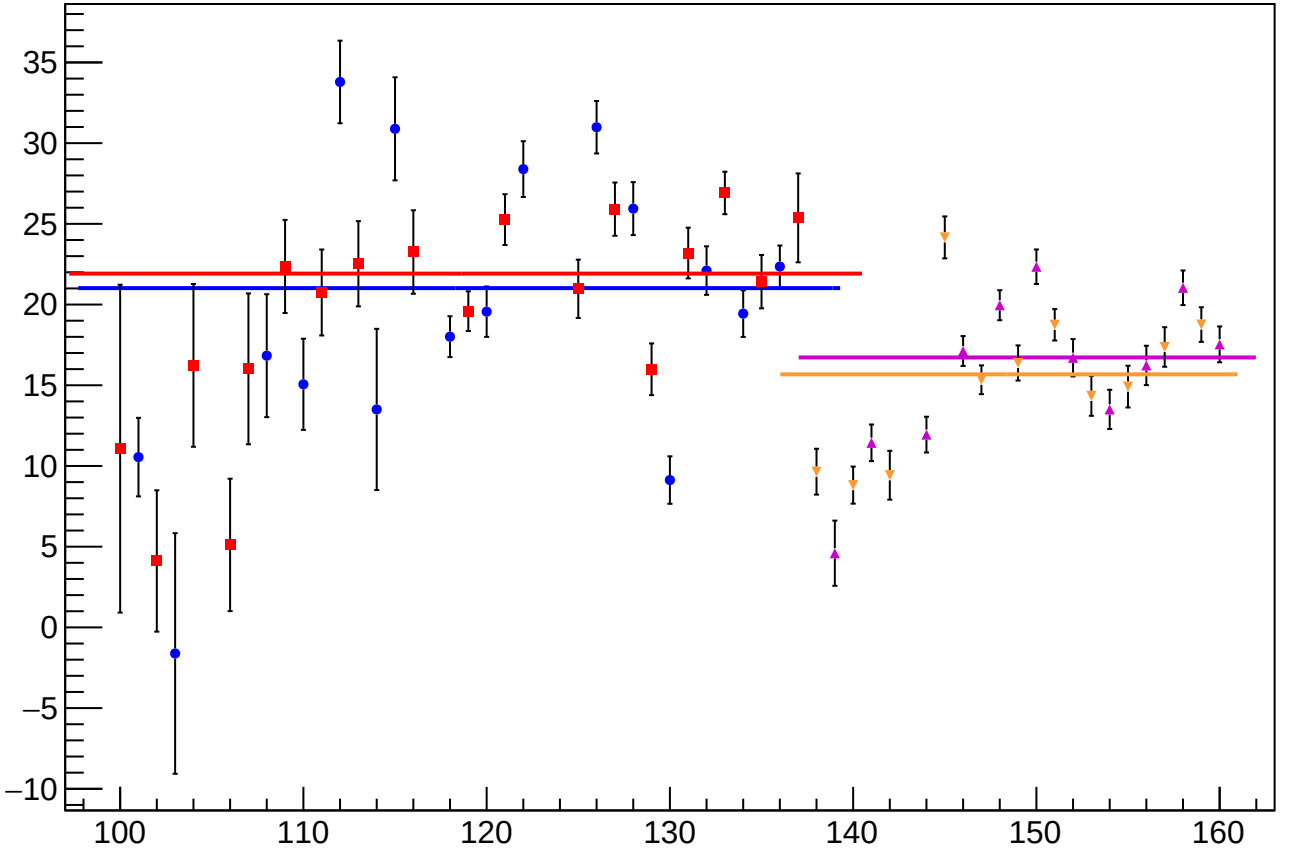
Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.729+/-0.302 χ^2/NDF:2119.8/26

Out: -26.420+/-0.313 χ^2/NDF:2217.9/28

All: -26.062+/-0.218 χ^2/NDF: 4340.2/55

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 16.723+/-0.337 χ^2/NDF:140.2/10

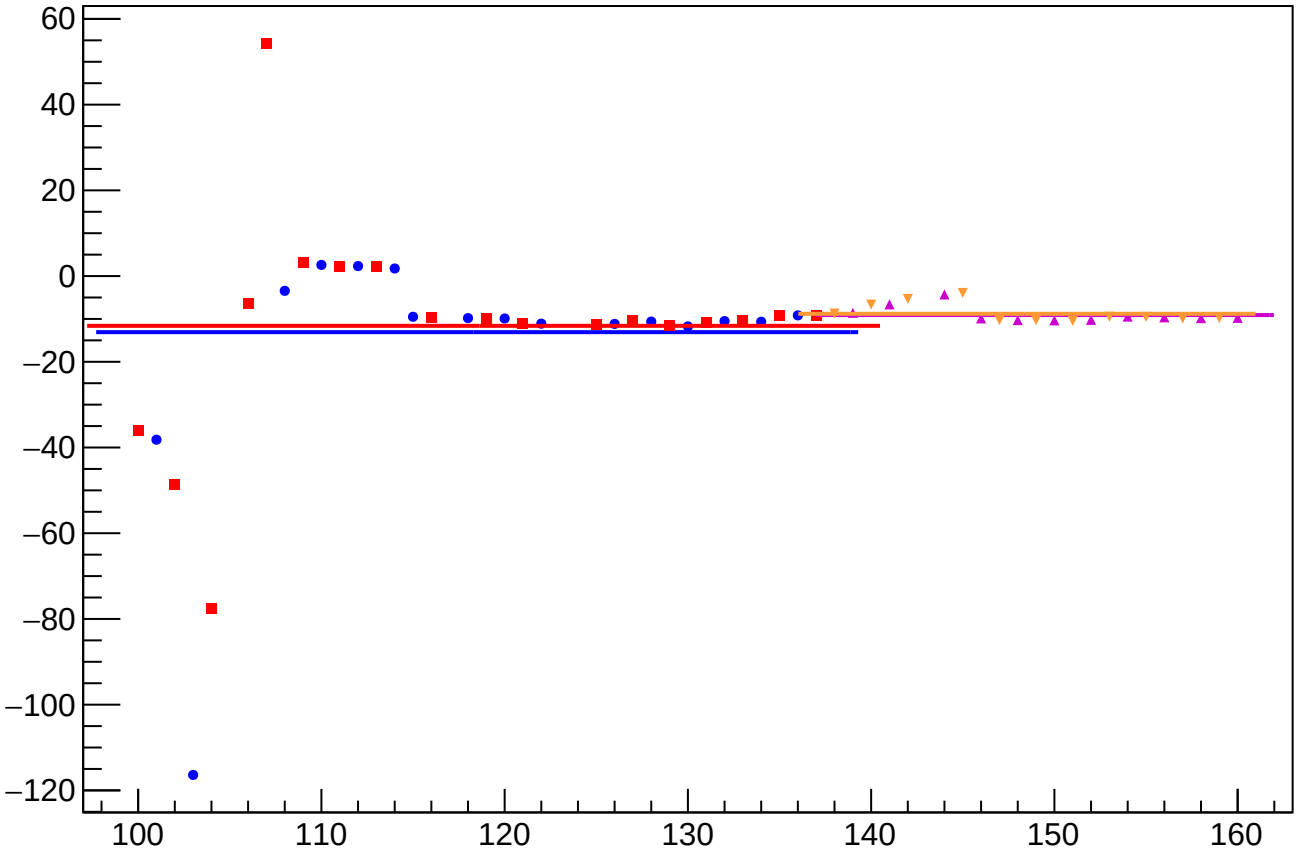
Left: 16.218+/-0.242 χ^2/NDF: 280.6/21

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.231+/-0.271 χ^2/NDF:406.8/26

Out: 17.841+/-0.282 χ^2/NDF:329.5/28

All: 18.043+/-0.195 χ^2/NDF: 737.3/55



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: -9.099+/-0.015 χ^2/NDF:11246.1/10

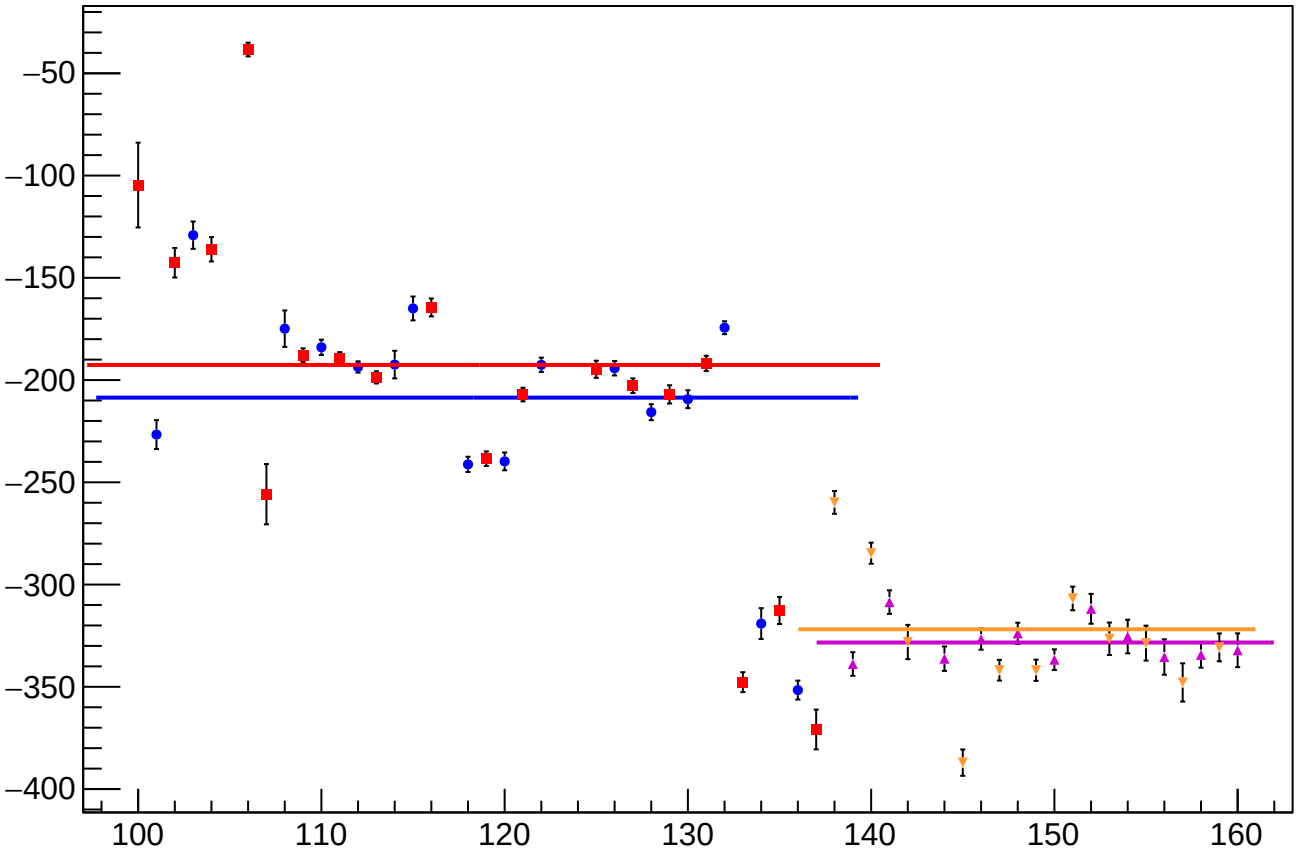
Left: -8.958+/-0.011 χ^2/NDF: 26870.9/21

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -9.986+/-0.013 χ^2/NDF:371500.6/26

Out: -9.393+/-0.014 χ^2/NDF:336150.6/28

All: -9.706+/-0.010 χ^2/NDF: 708576.5/55



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.848+/-1.901 χ^2/NDF:326.5/10

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -328.327+/-1.865 χ^2/NDF:27.4/10

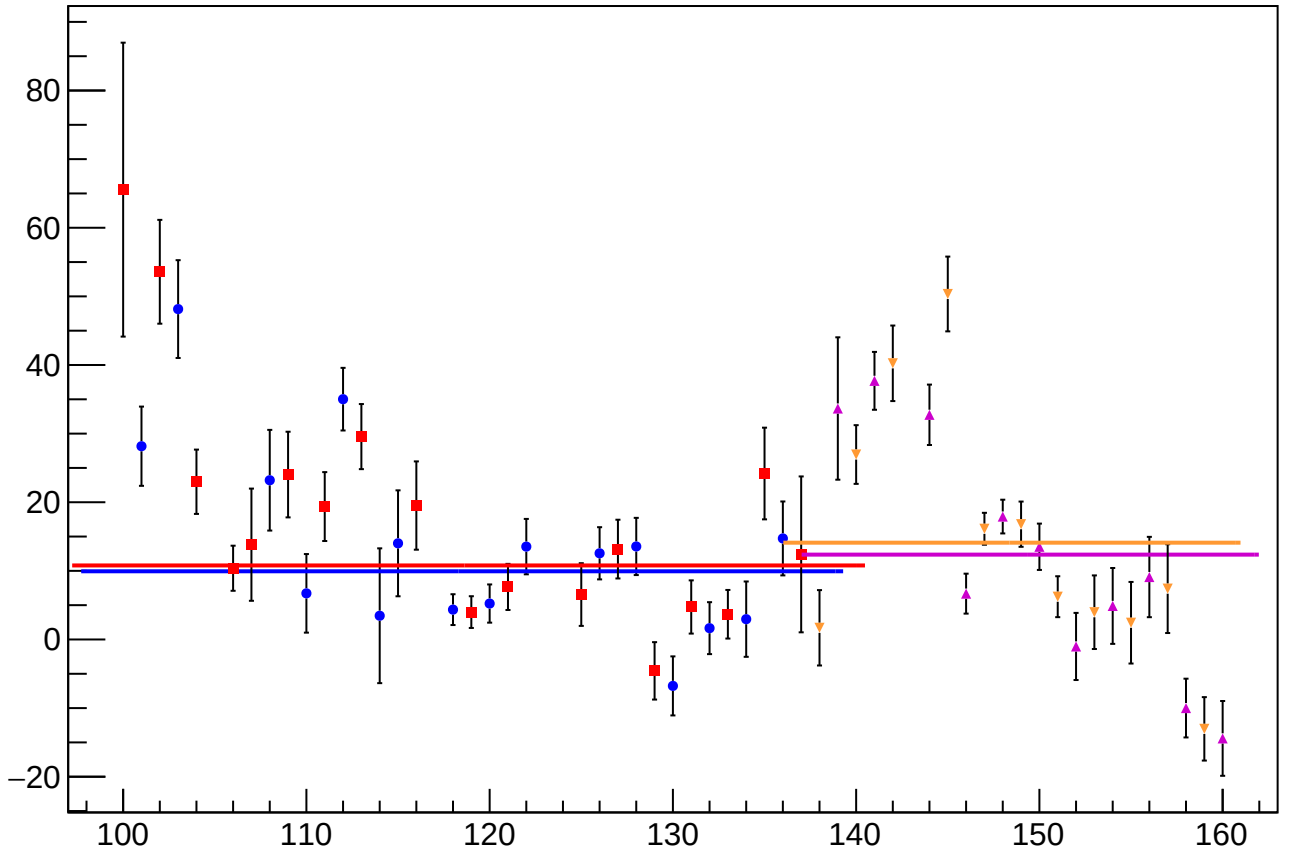
Left: -325.150+/-1.331 χ^2/NDF: 359.8/21

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -238.106+/-0.926 χ^2/NDF:4886.1/26

Out: -220.578+/-0.884 χ^2/NDF:8155.3/28

All: -228.940+/-0.639 χ^2/NDF: 13228.9/55



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: 12.365+/-1.212 χ^2/NDF:131.8/10

Left: 13.234+/-0.858 χ^2/NDF: 265.1/21

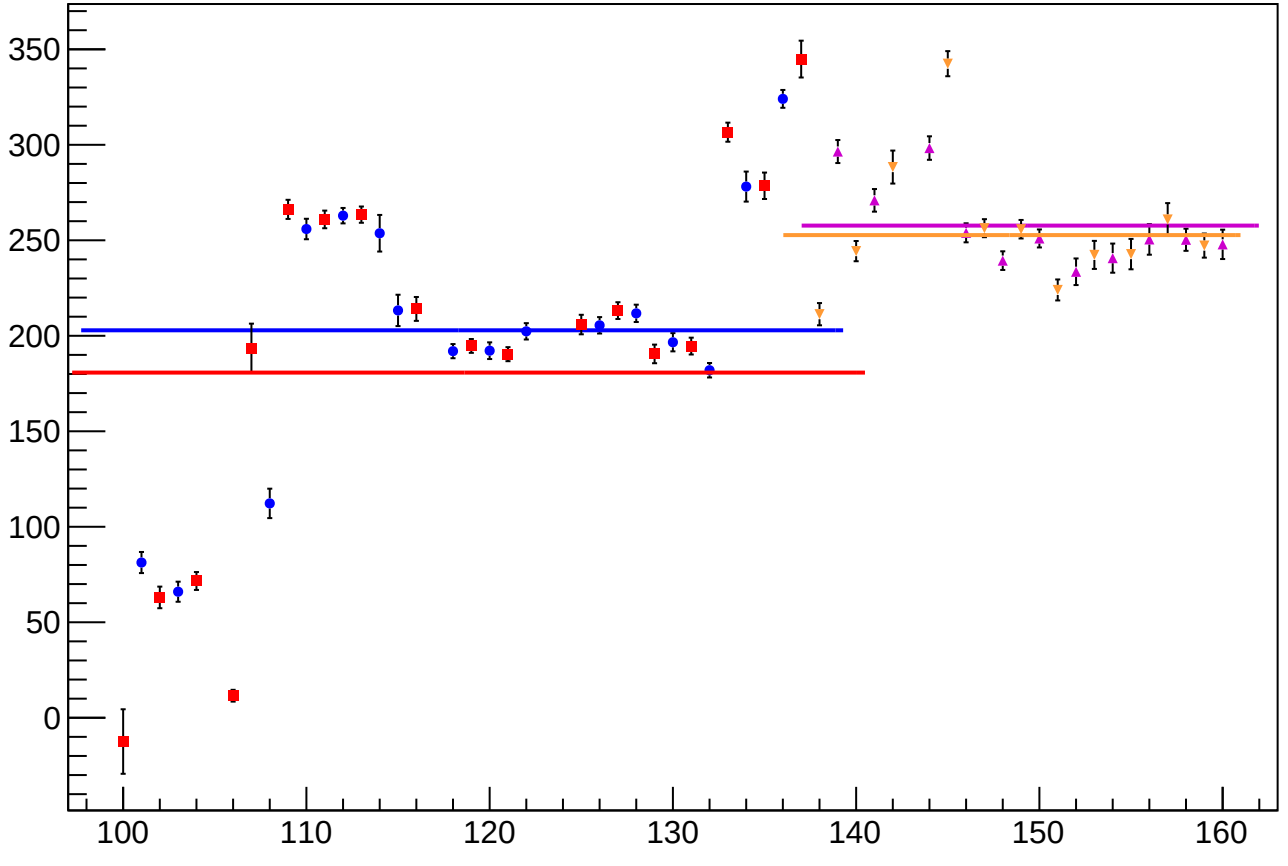
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 10.996+/-0.800 χ^2/NDF:240.6/26

Out: 12.197+/-0.792 χ^2/NDF:241.6/28

All: 11.603+/-0.563 χ^2/NDF: 483.4/55

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 252.724+/-1.840 χ^2/NDF:290.0/10

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 257.699+/-1.796 χ^2/NDF:127.8/10

Left: 255.272+/-1.285 χ^2/NDF: 421.6/21

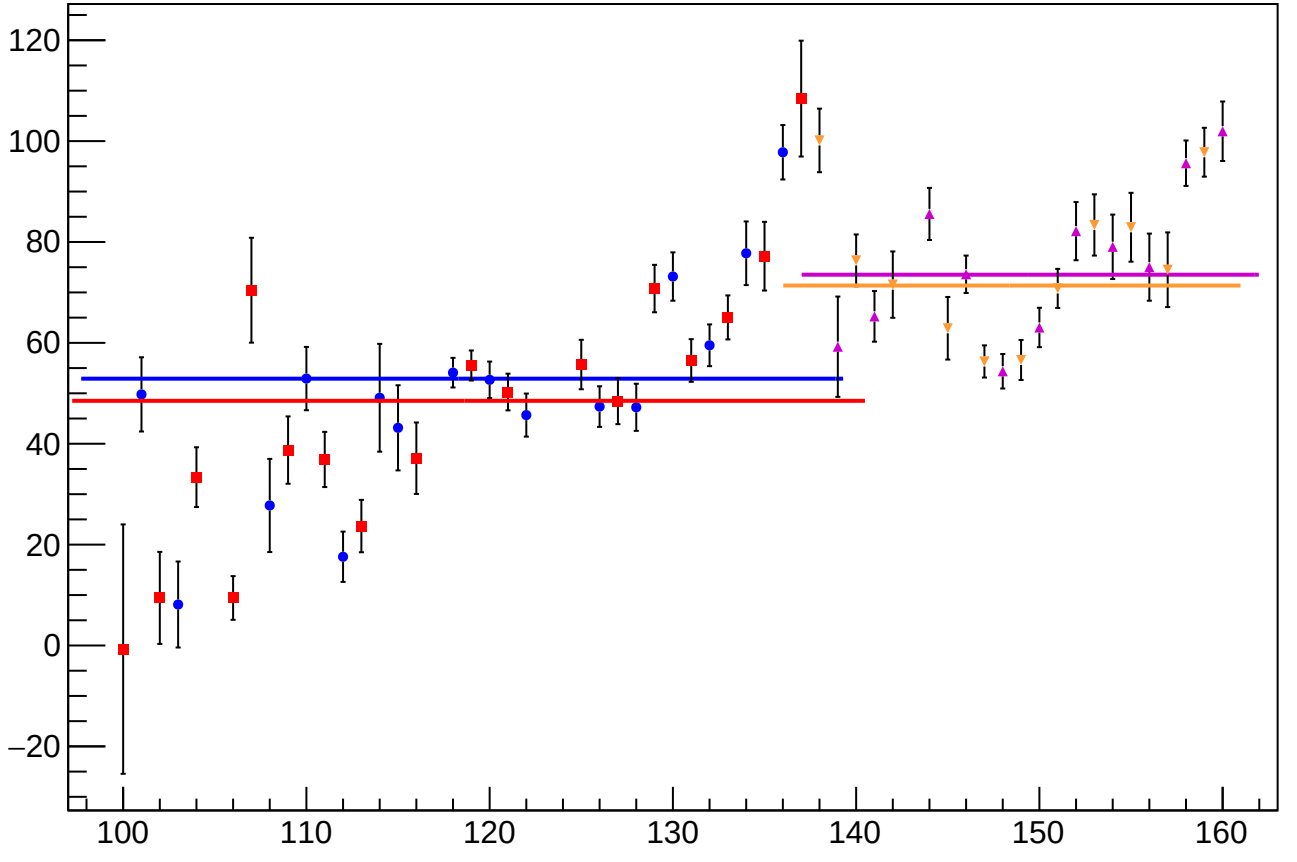
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 220.288+/-1.012 χ^2/NDF:3227.6/26

Out: 200.790+/-0.971 χ^2/NDF:7742.1/28

All: 210.136+/-0.701 χ^2/NDF: 11162.9/55

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 71.368+/-1.491 χ^2/NDF:96.5/10

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 73.513+/-1.464 χ^2/NDF:99.1/10

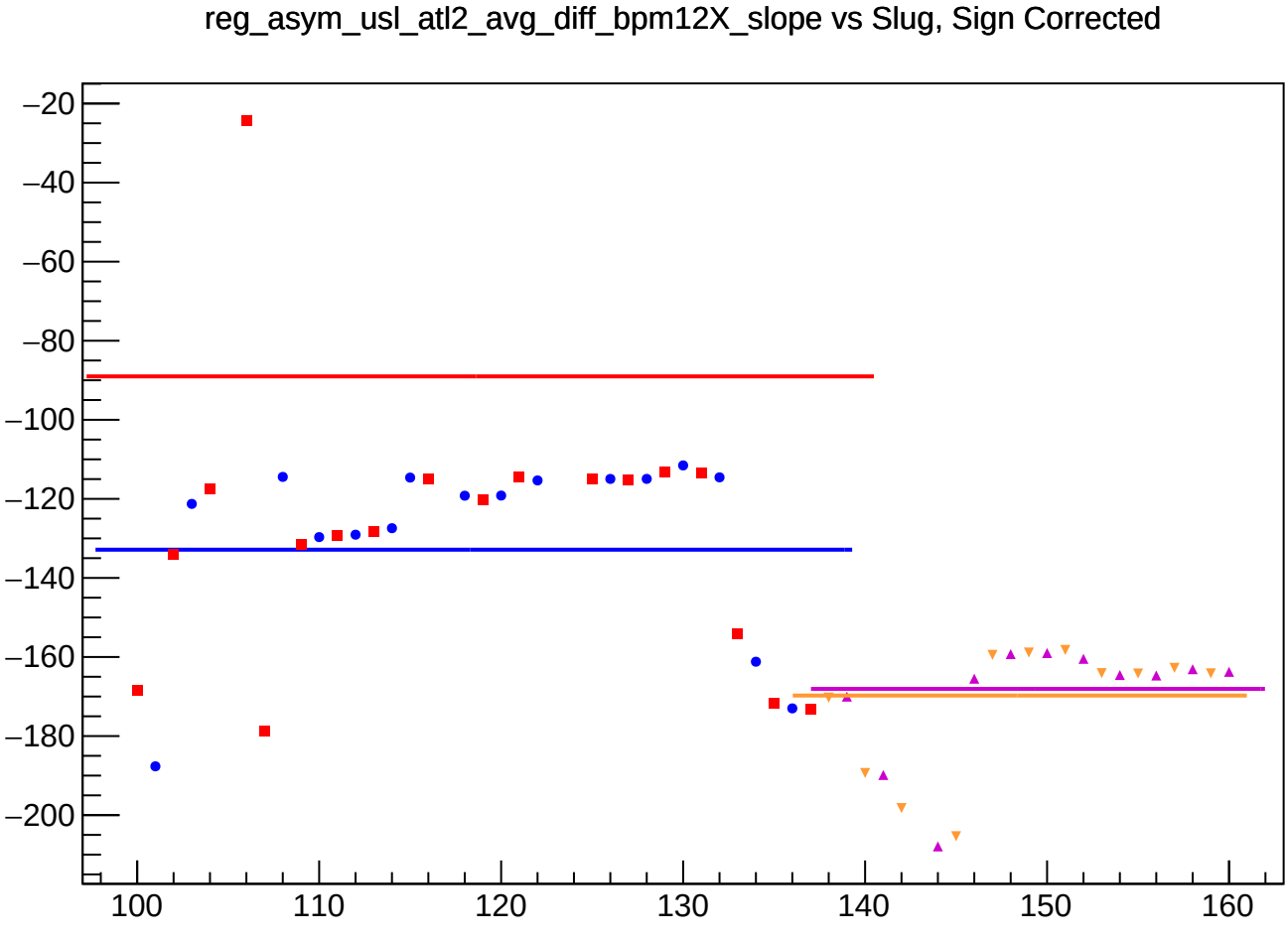
Left: 72.460+/-1.045 χ^2/NDF: 196.7/21

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 61.520+/-0.947 χ^2/NDF:412.7/26

Out: 57.627+/-0.941 χ^2/NDF:477.8/28

All: 59.562+/-0.668 χ^2/NDF: 899.1/55



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: -168.060+/-0.069 χ^2/NDF:35507.7/10

Left: -168.861+/-0.050 χ^2/NDF: 78061.1/21

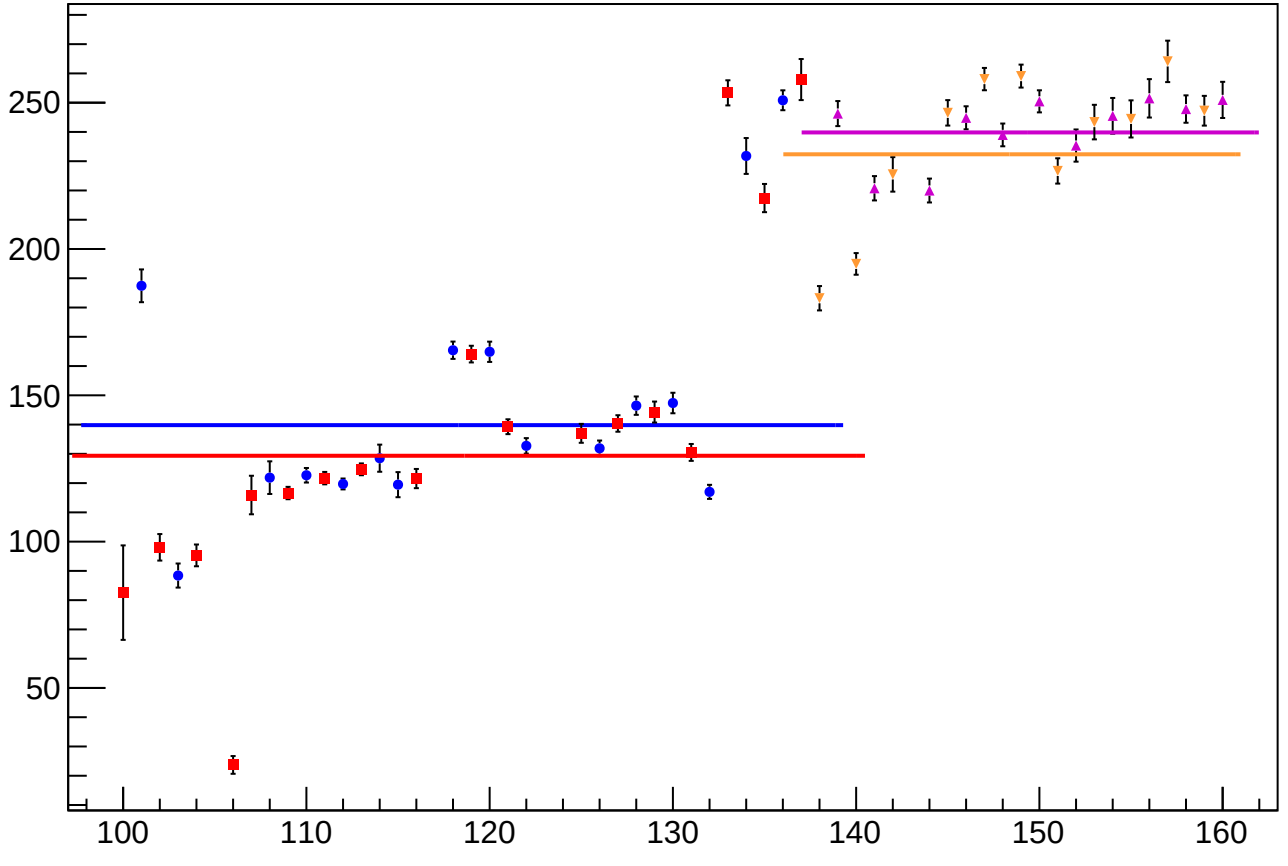
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -153.362+/-0.053 χ^2/NDF:238085.2/26

Out: -124.451+/-0.048 χ^2/NDF:1465050.4/28

All: -137.617+/-0.035 χ^2/NDF: 1867885.2/55

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 239.830+/-1.376 χ^2/NDF:67.4/10

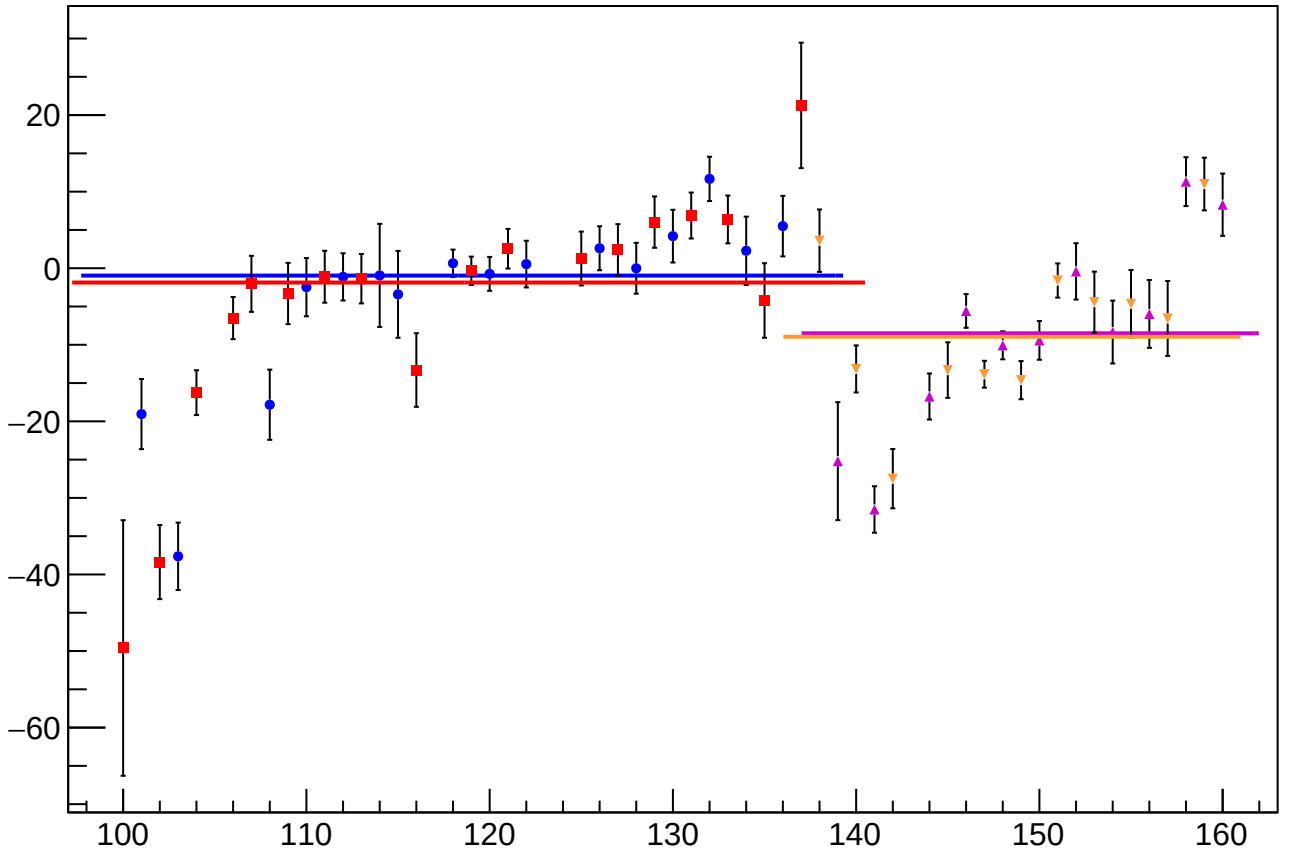
Left: 236.156+/-0.980 χ^2/NDF: 465.4/21

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 164.359+/-0.682 χ^2/NDF:6021.3/26

Out: 151.625+/-0.650 χ^2/NDF:7764.5/28

All: 157.691+/-0.470 χ^2/NDF: 13968.6/55



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: -8.500+/-0.898 χ^2/NDF:133.0/10

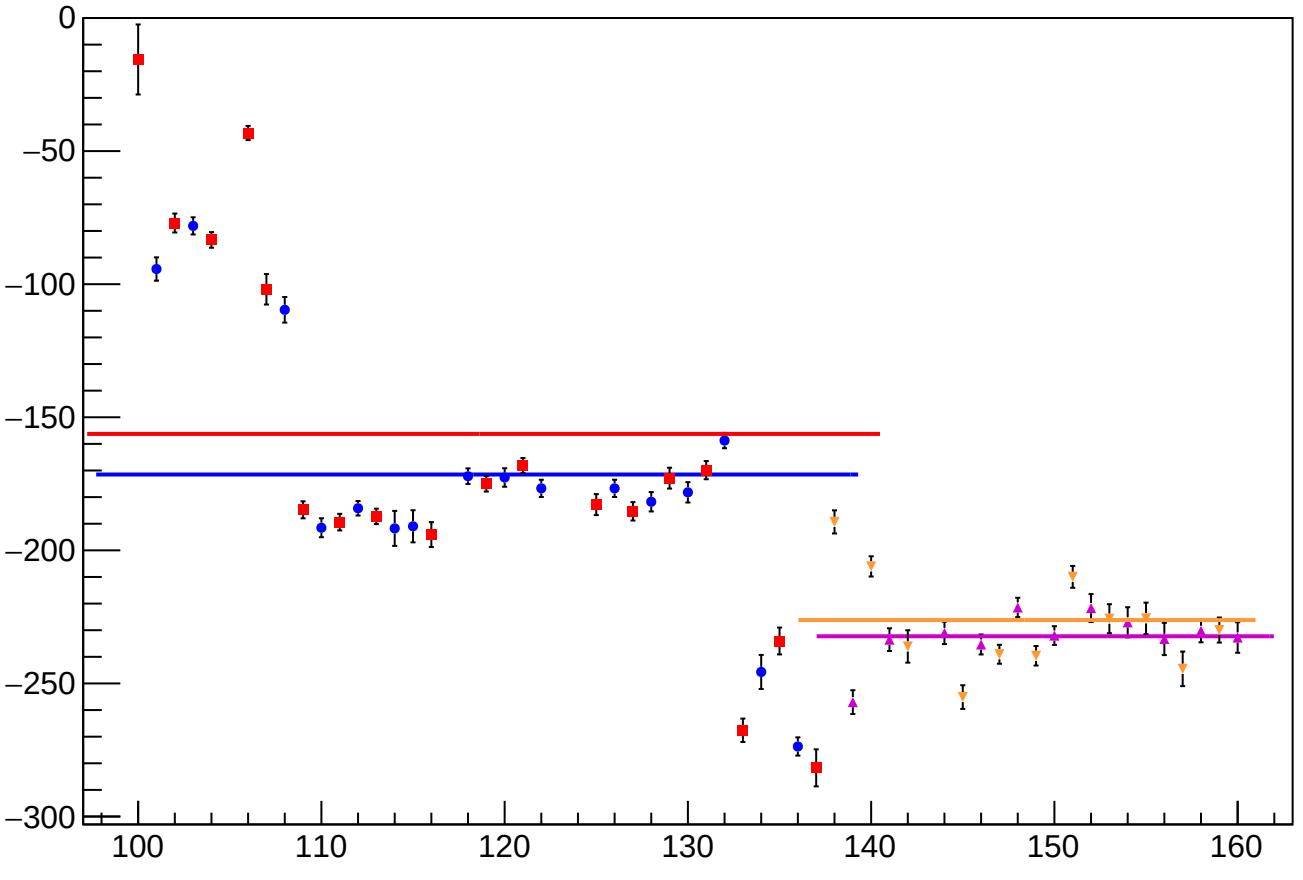
Left: -8.726+/-0.635 χ^2/NDF: 228.6/21

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.336+/-0.601 χ^2/NDF:298.0/26

Out: -4.926+/-0.591 χ^2/NDF:264.0/28

All: -4.636+/-0.421 χ^2/NDF: 562.4/55



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: -232.282+/-1.328 χ^2/NDF:45.6/10

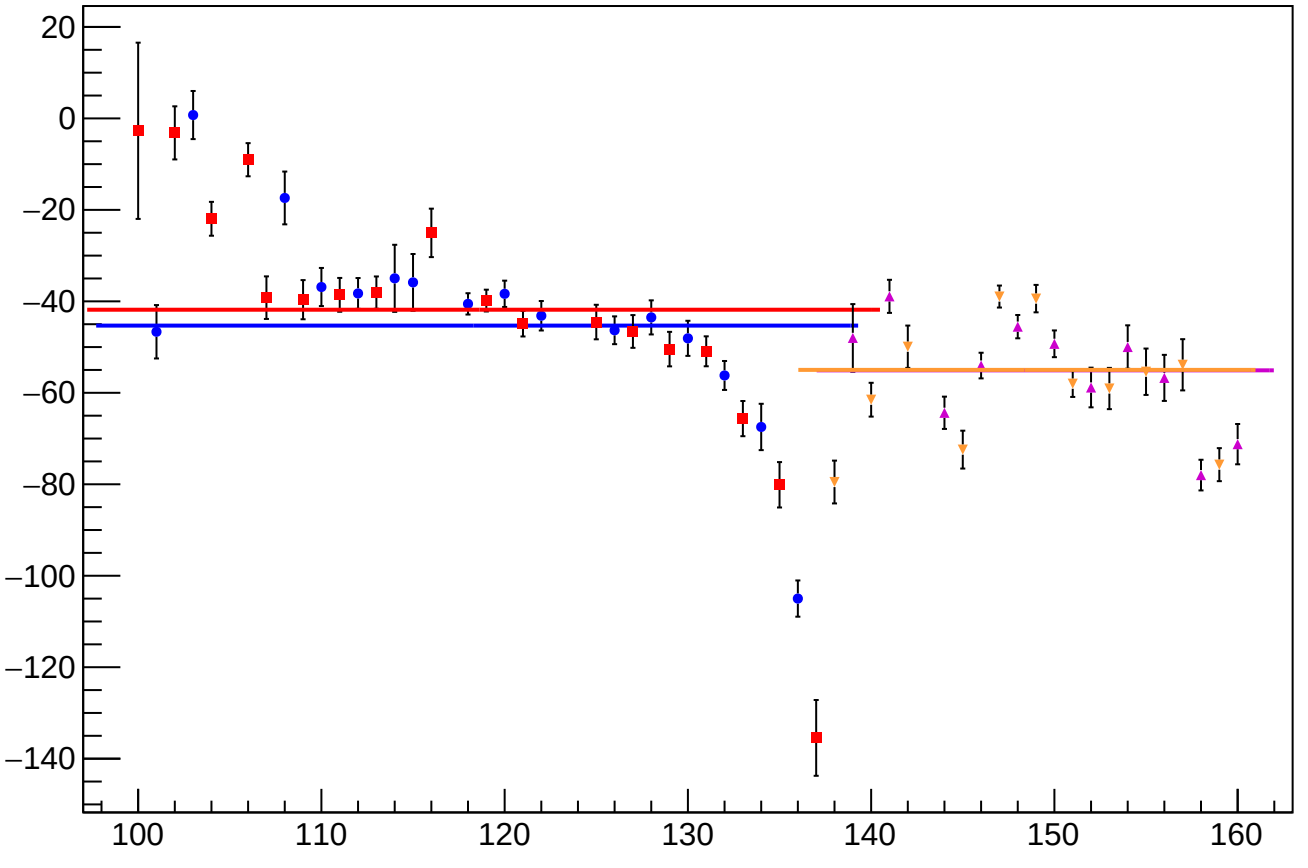
Left: -229.300+/-0.949 χ^2/NDF: 251.7/21

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.838+/-0.749 χ^2/NDF:3917.3/26

Out: -175.888+/-0.719 χ^2/NDF:7011.8/28

All: -183.056+/-0.518 χ^2/NDF: 11136.6/55



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -54.987+/-1.102 χ^2/NDF:155.8/10

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -55.087+/-1.084 χ^2/NDF:108.1/10

Left: -55.038+/-0.773 χ^2/NDF: 263.9/21

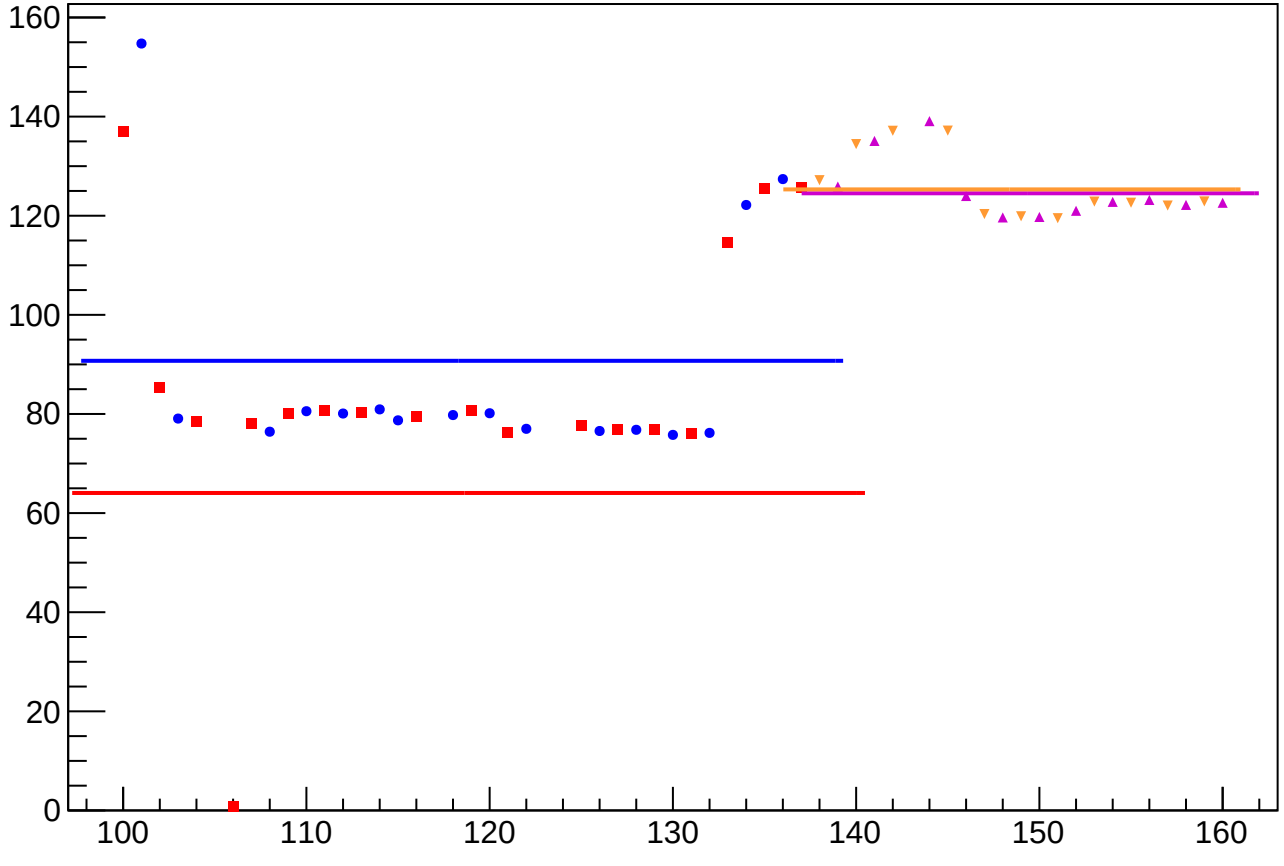
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -49.490+/-0.709 χ^2/NDF:536.7/26

Out: -47.162+/-0.701 χ^2/NDF:654.9/28

All: -48.313+/-0.499 χ^2/NDF: 1197.0/55

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: 124.527+/-0.051 χ^2/NDF:12750.4/10

Left: 124.901+/-0.037 χ^2/NDF: 26939.6/21

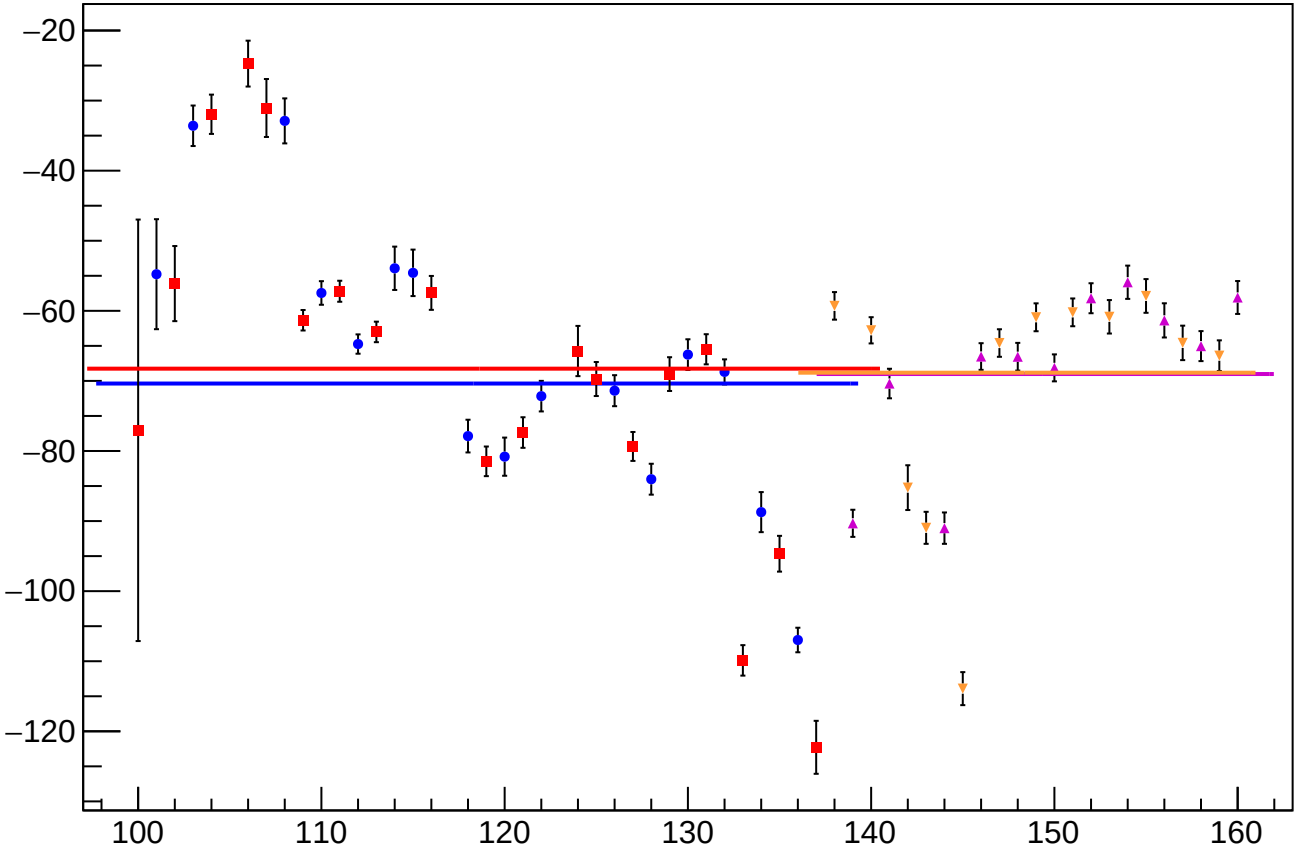
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 109.915+/-0.038 χ^2/NDF:363538.7/26

Out: 92.158+/-0.036 χ^2/NDF:1383283.5/28

All: 100.517+/-0.026 χ^2/NDF: 1859675.2/55

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: -69.017+/-0.638 χ^2/NDF:312.6/10

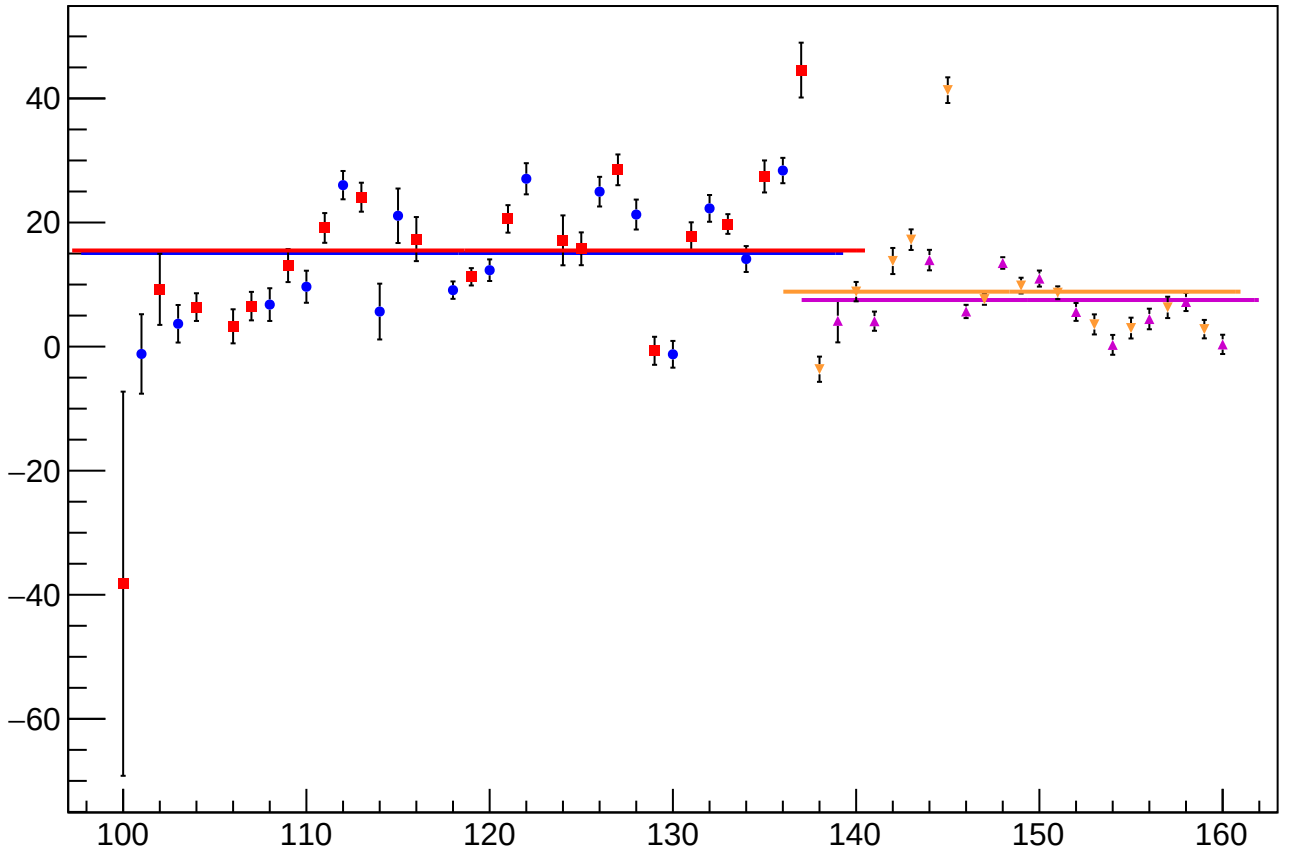
Left: -68.921+/-0.449 χ^2/NDF: 908.5/22

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -69.786+/-0.420 χ^2/NDF:1290.1/26

Out: -68.487+/-0.405 χ^2/NDF:1902.4/30

All: -69.113+/-0.291 χ^2/NDF: 3197.4/57



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: 7.509+/-0.422 χ^2/NDF:118.8/10

Left: 8.192+/-0.296 χ^2/NDF: 483.2/22

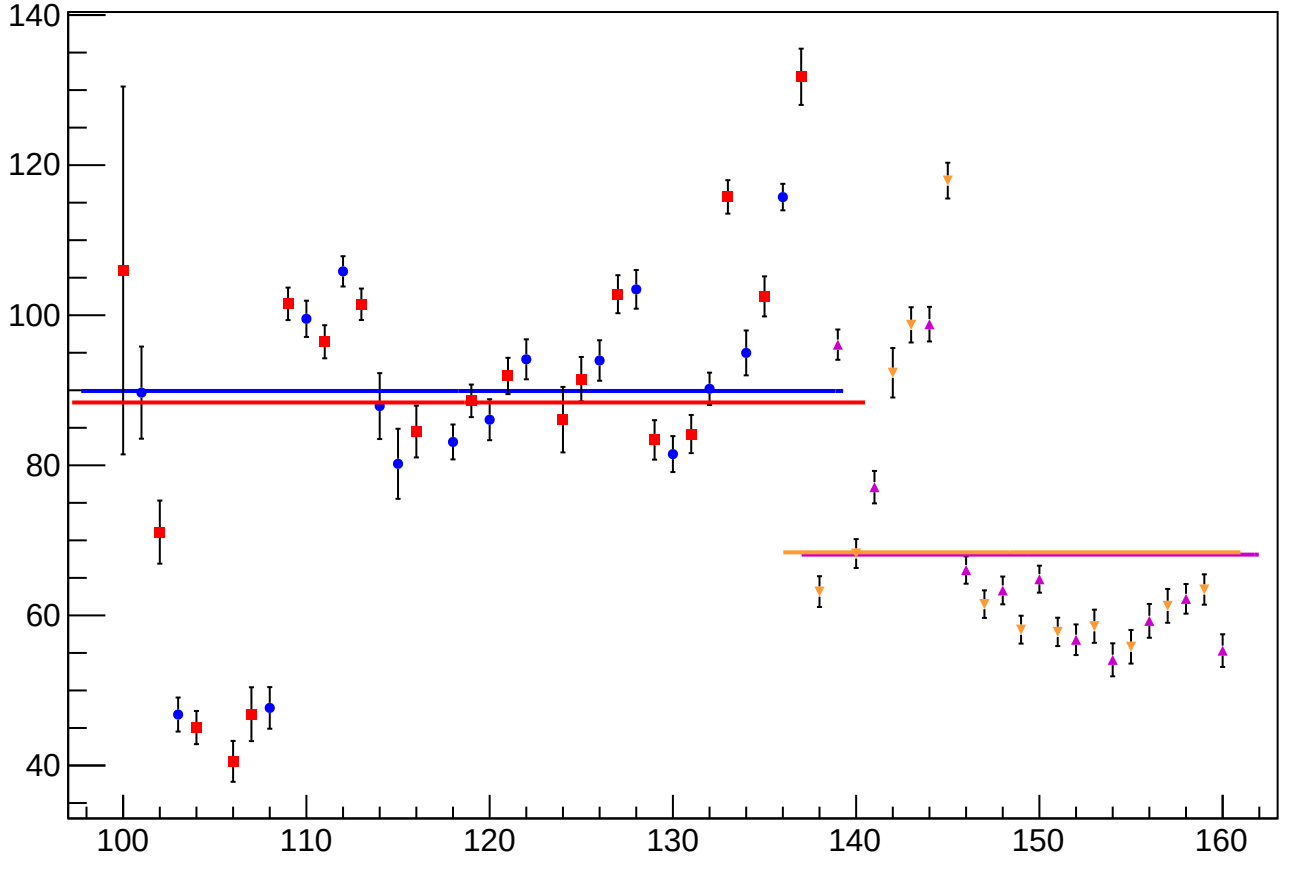
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 10.131+/-0.342 χ^2/NDF:472.7/26

Out: 11.223+/-0.333 χ^2/NDF:689.4/30

All: 10.690+/-0.239 χ^2/NDF: 1167.4/57

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: 68.100+/-0.613 χ^2/NDF:528.7/10

Left: 68.253+/-0.433 χ^2/NDF: 1330.3/22

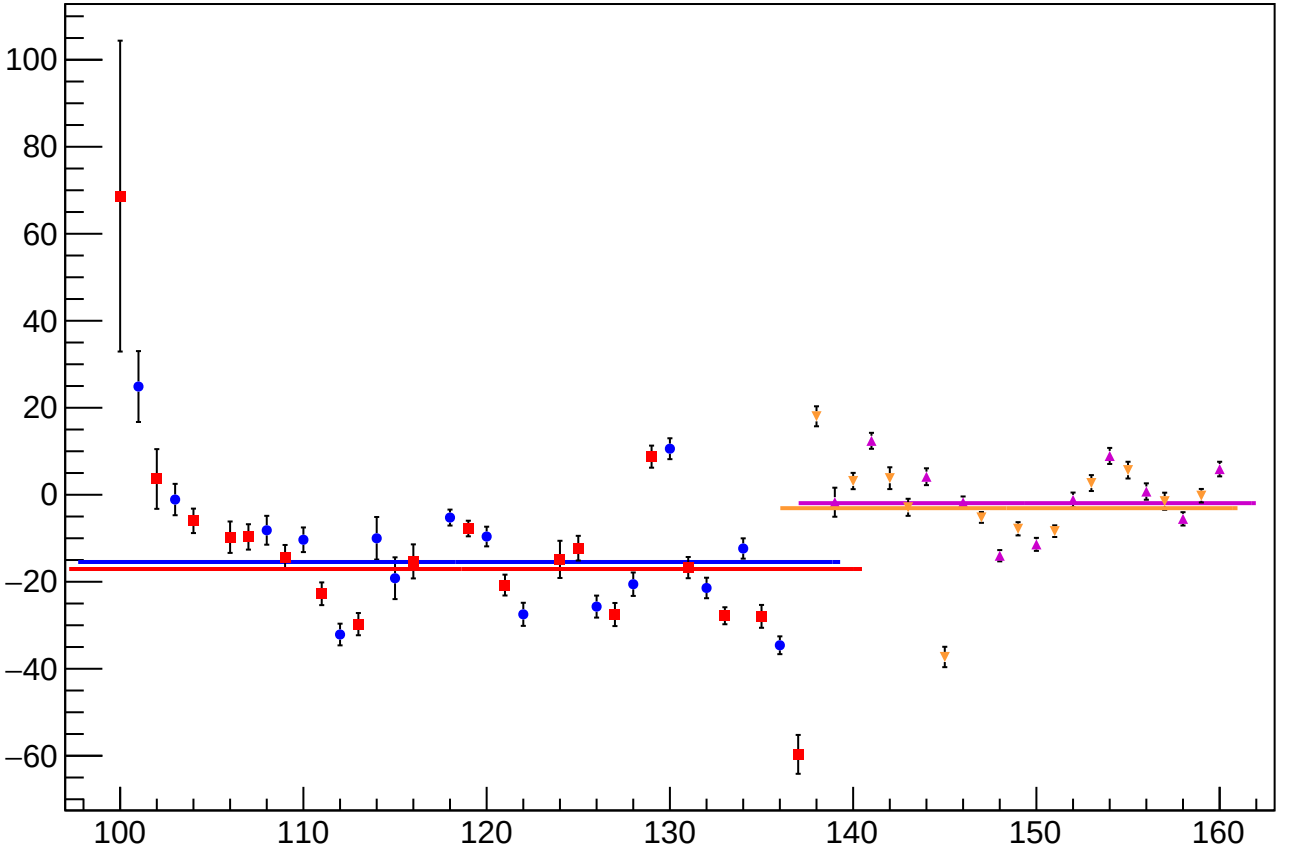
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 78.521+/-0.443 χ^2/NDF:2081.3/26

Out: 78.306+/-0.435 χ^2/NDF:2617.8/30

All: 78.412+/-0.310 χ^2/NDF: 4699.2/57

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.083+/-0.503 χ^2/NDF:379.1/11

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -1.928+/-0.504 χ^2/NDF:261.7/10

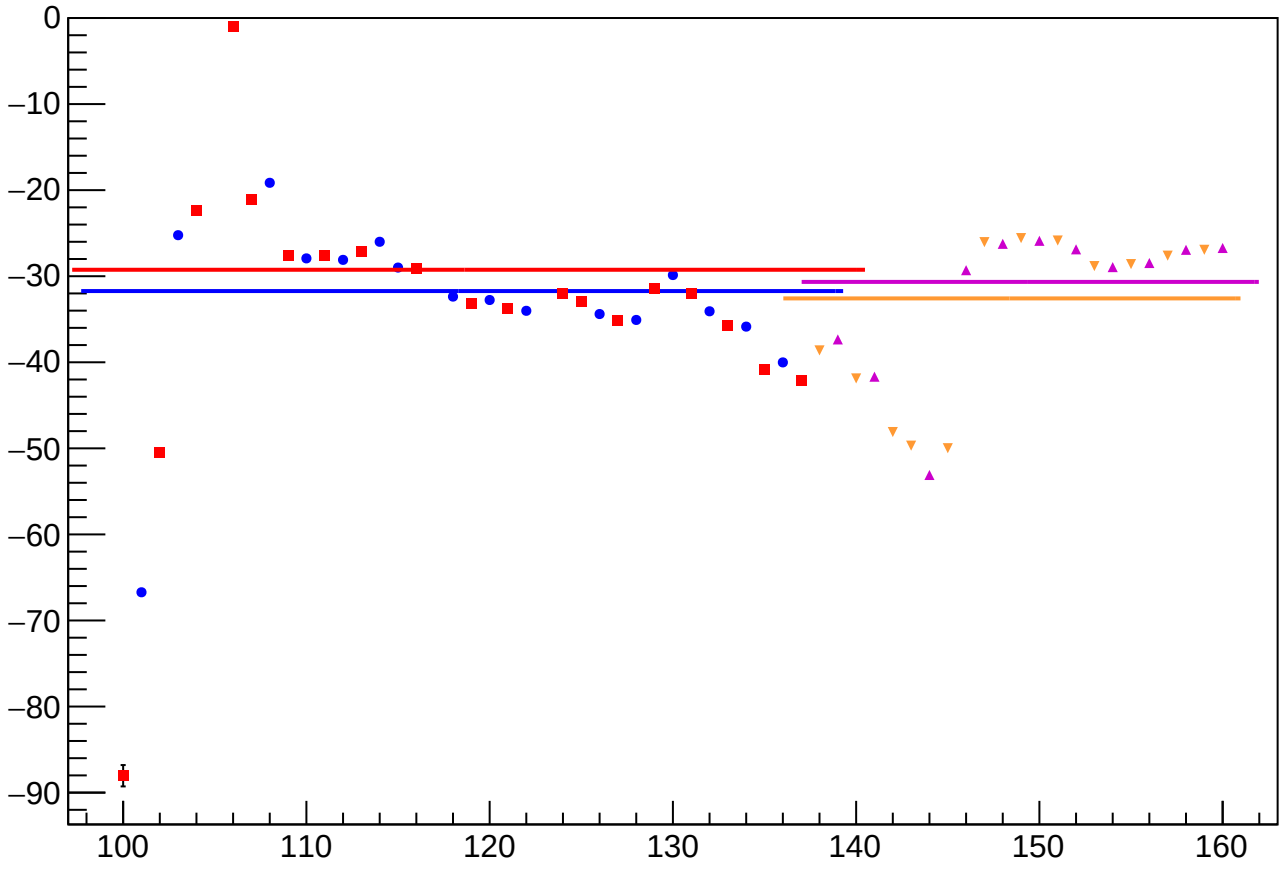
Left: -2.507+/-0.356 χ^2/NDF: 643.4/22

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -6.860+/-0.402 χ^2/NDF:910.7/26

Out: -8.387+/-0.396 χ^2/NDF:1033.0/30

All: -7.633+/-0.282 χ^2/NDF: 1951.0/57



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: -30.660+/-0.023 χ^2/NDF:89171.0/10

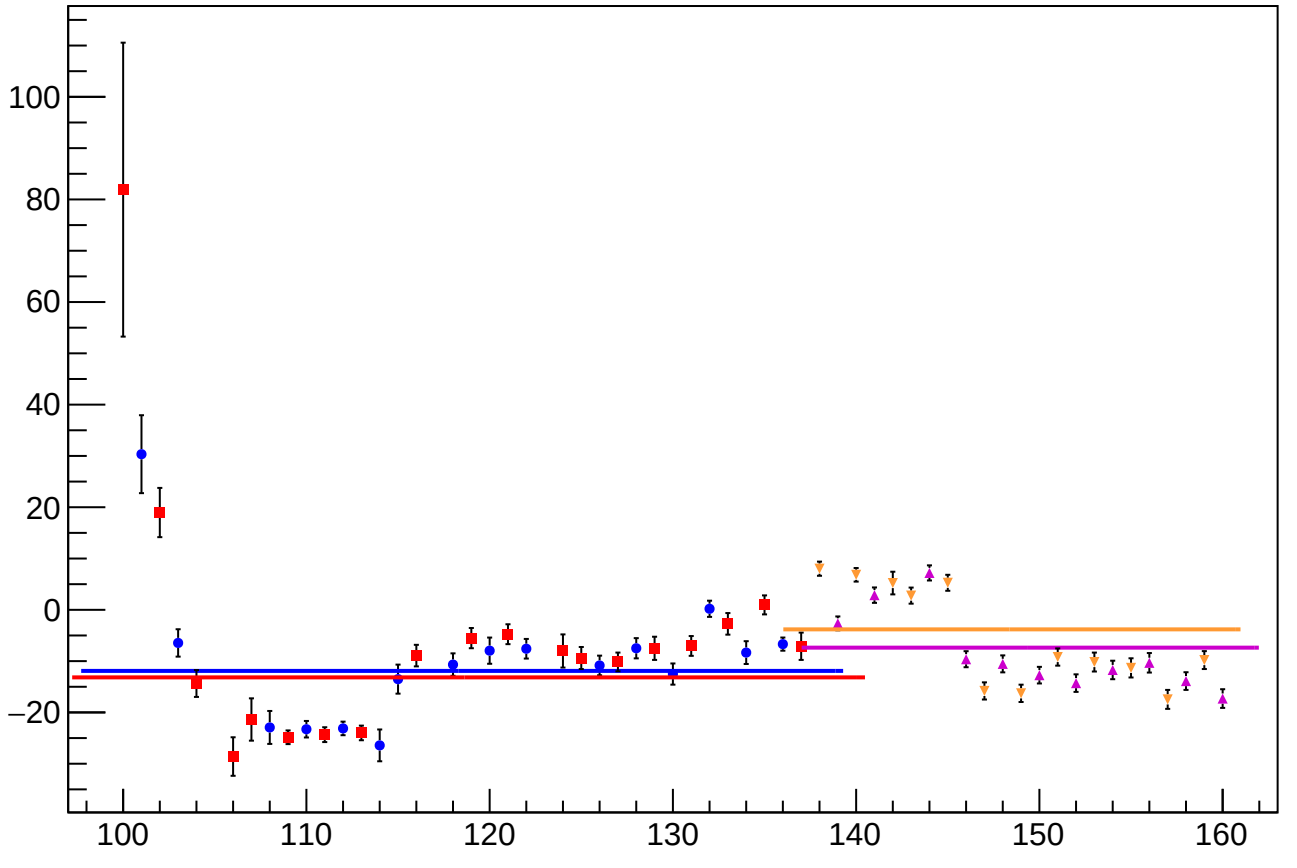
Left: -31.597+/-0.016 χ^2/NDF: 227259.4/22

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.941+/-0.020 χ^2/NDF:129370.2/26

Out: -31.669+/-0.020 χ^2/NDF:235387.1/30

All: -31.299+/-0.014 χ^2/NDF: 365424.6/57



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.810+/-0.478 χ^2/NDF:417.0/11

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -7.373+/-0.490 χ^2/NDF:241.5/10

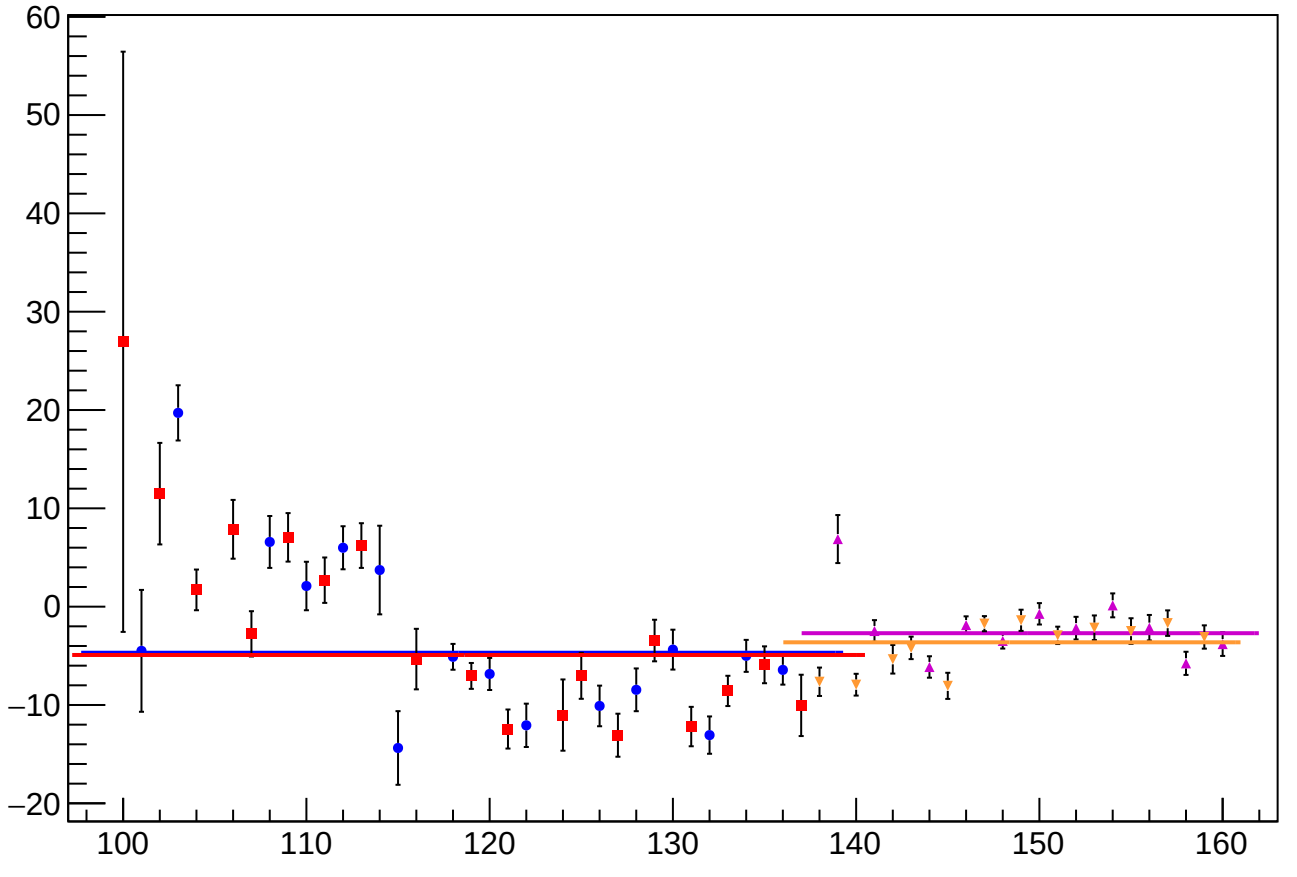
Left: -5.547+/-0.342 χ^2/NDF: 685.7/22

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -9.607+/-0.349 χ^2/NDF:565.8/26

Out: -8.465+/-0.339 χ^2/NDF:1029.5/30

All: -9.020+/-0.243 χ^2/NDF: 1600.8/57



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: -2.698+/-0.333 χ^2/NDF:43.9/10

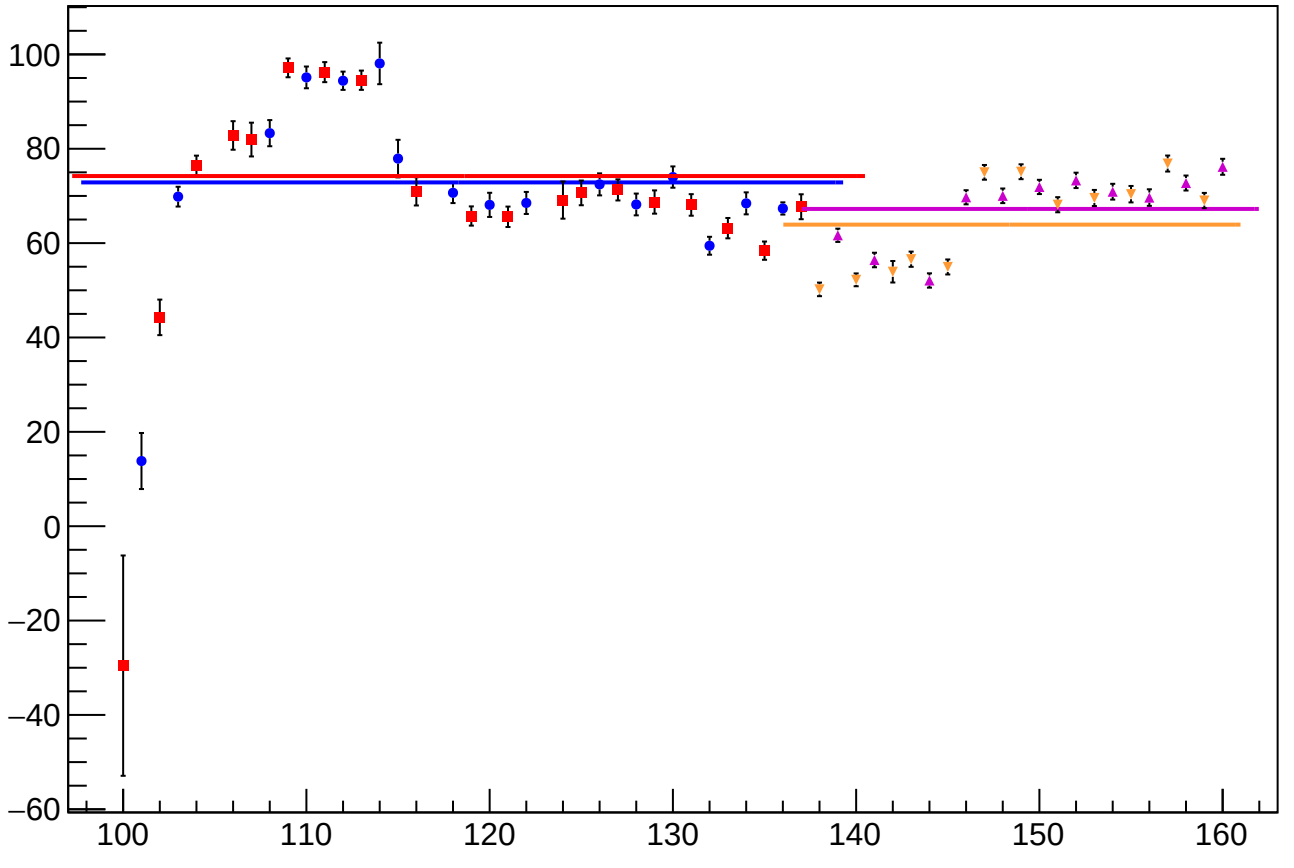
Left: -3.173+/-0.233 χ^2/NDF: 99.2/22

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.281+/-0.280 χ^2/NDF:233.4/26

Out: -3.995+/-0.275 χ^2/NDF:211.7/30

All: -3.645+/-0.196 χ^2/NDF: 448.4/57



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: 67.247+/-0.473 χ^2/NDF:240.5/10

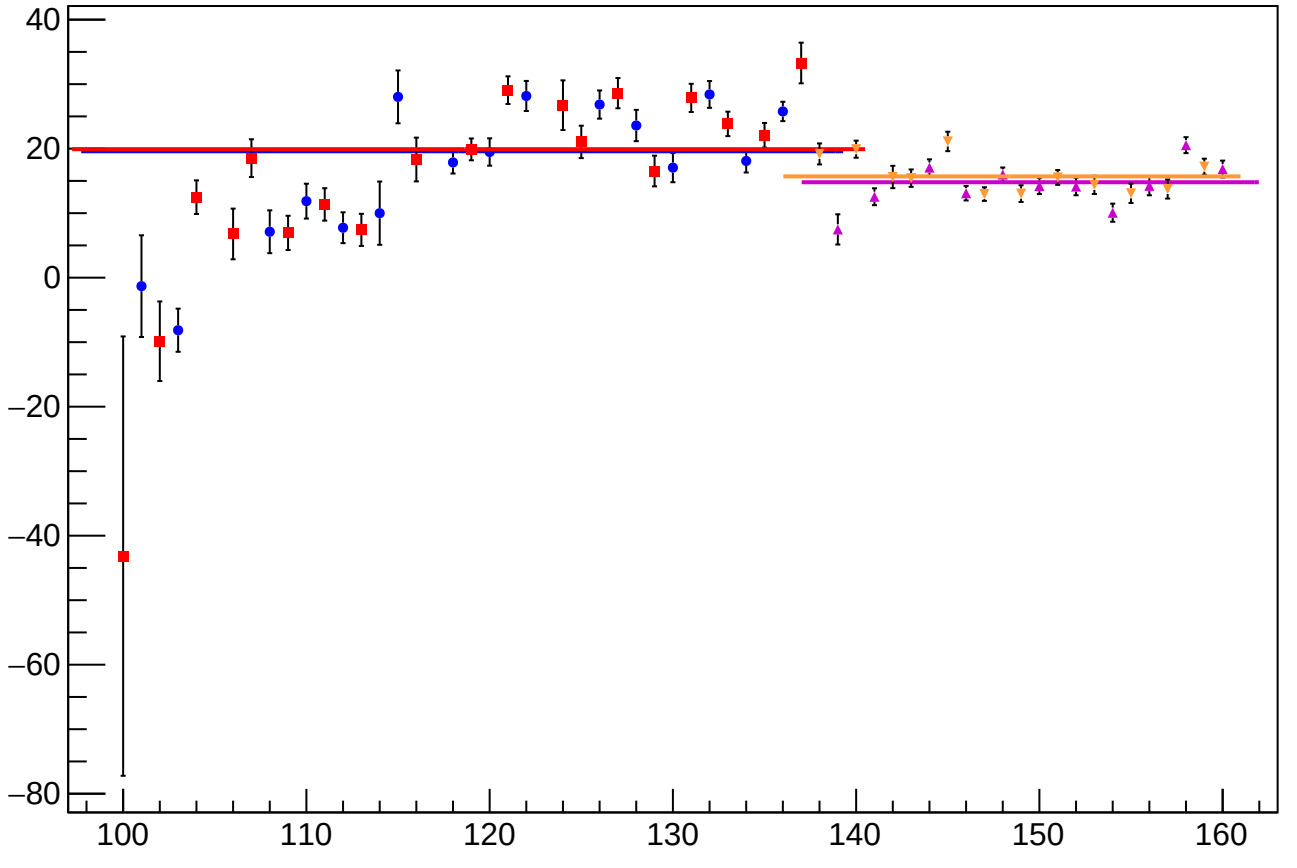
Left: 65.558+/-0.332 χ^2/NDF: 702.7/22

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.563+/-0.363 χ^2/NDF:749.3/26

Out: 68.116+/-0.359 χ^2/NDF:1222.1/30

All: 68.831+/-0.255 χ^2/NDF: 1979.4/57



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 15.701+/-0.390 χ^2/NDF:45.8/11

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 14.796+/-0.395 χ^2/NDF:55.4/10

Left: 15.254+/-0.278 χ^2/NDF: 103.8/22

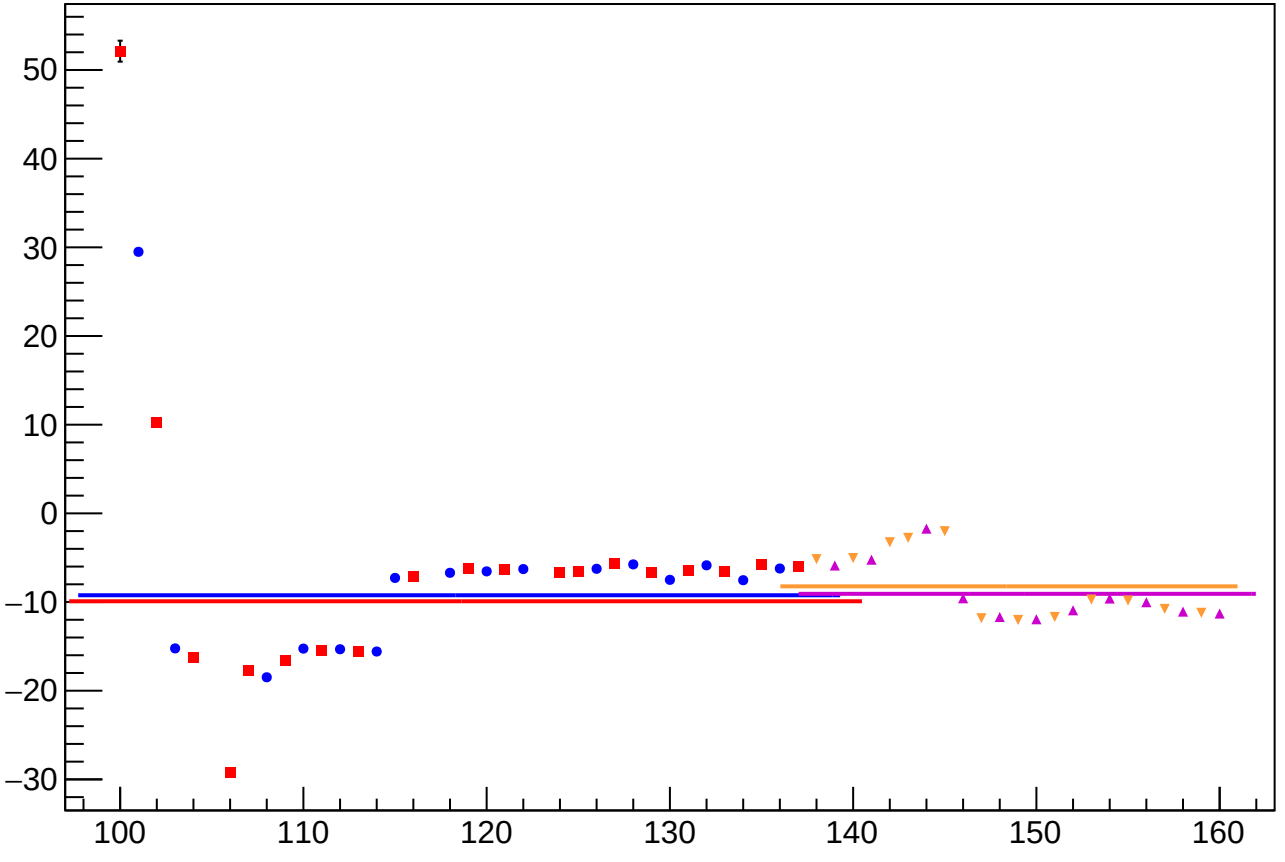
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 16.300+/-0.328 χ^2/NDF:297.6/26

Out: 16.998+/-0.325 χ^2/NDF:263.1/30

All: 16.652+/-0.231 χ^2/NDF: 563.0/57

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: -9.075+/-0.018 χ^2/NDF:27596.8/10

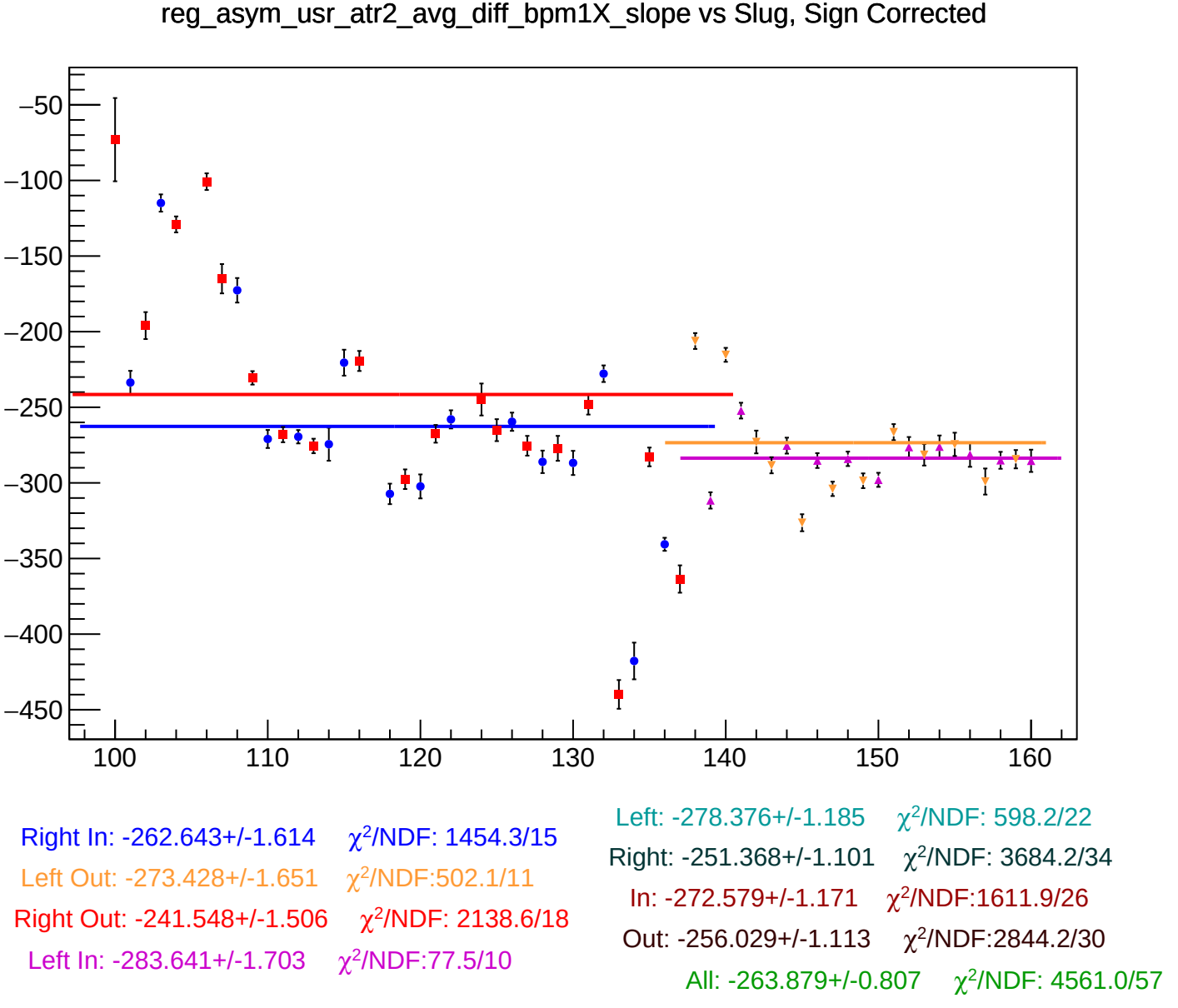
Left: -8.656+/-0.013 χ^2/NDF: 69199.9/22

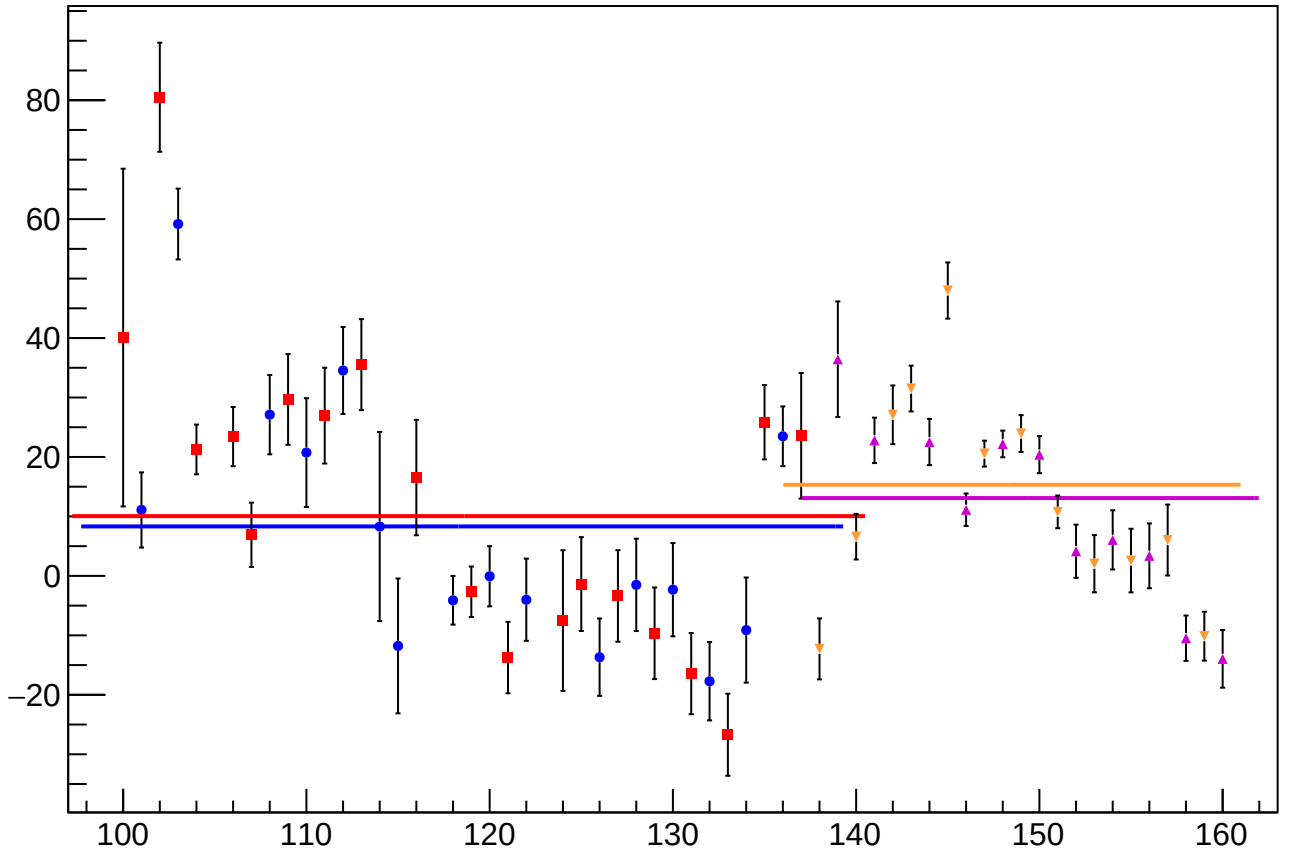
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.111+/-0.016 χ^2/NDF:58774.4/26

Out: -8.589+/-0.016 χ^2/NDF:96226.1/30

All: -8.855+/-0.011 χ^2/NDF: 155548.2/57


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: -283.641+/-1.703 χ²/NDF:77.5/10
Left: -278.376+/-1.185 χ²/NDF: 598.2/22
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -272.579+/-1.171 χ²/NDF:1611.9/26
Out: -256.029+/-1.113 χ²/NDF:2844.2/30
All: -263.879+/-0.807 χ²/NDF: 4561.0/57



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: 13.088+/-1.107 χ^2/NDF:119.0/10

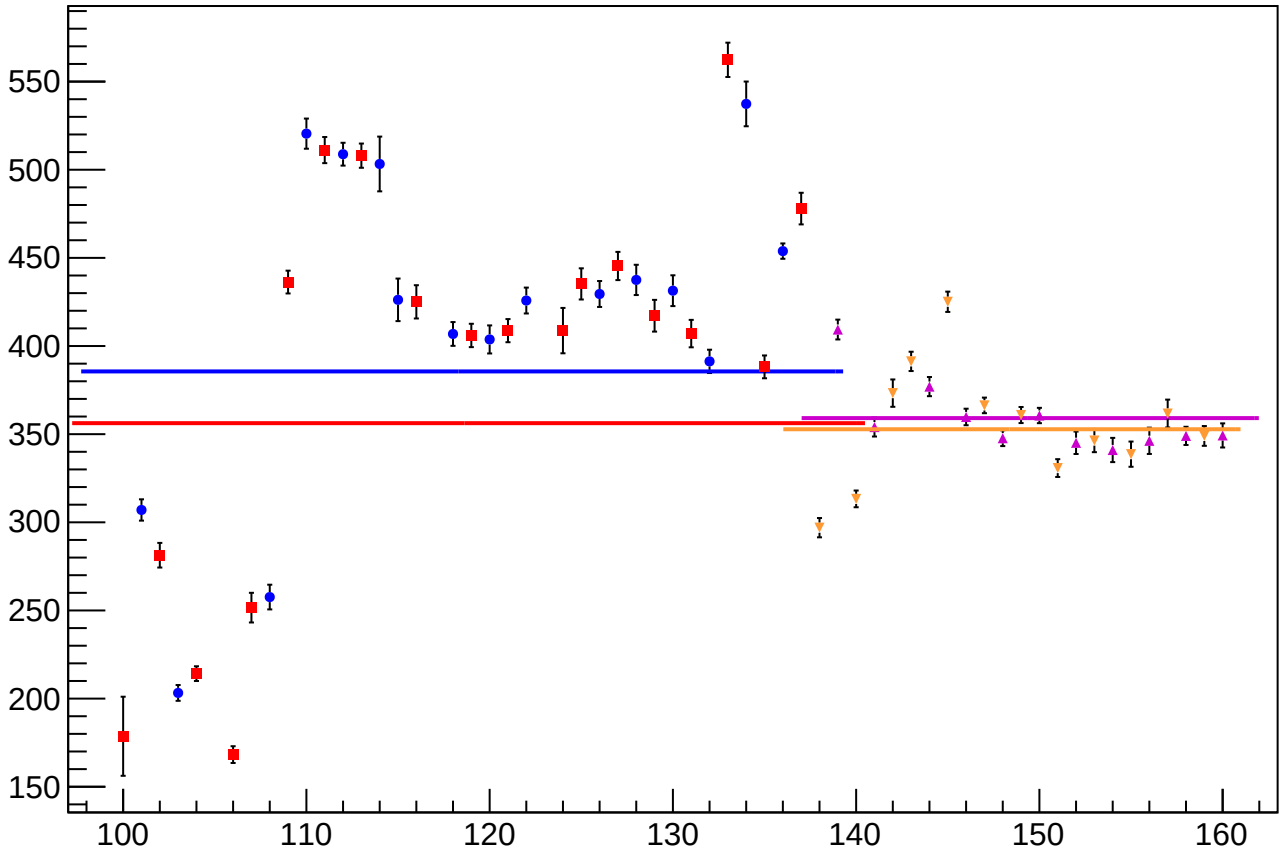
Left: 14.246+/-0.770 χ^2/NDF: 296.9/22

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 11.600+/-0.918 χ^2/NDF:282.5/26

Out: 13.608+/-0.879 χ^2/NDF:371.1/30

All: 12.648+/-0.635 χ^2/NDF: 656.0/57



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: 359.115+/-1.641 χ^2/NDF:118.6/10

Left: 355.889+/-1.148 χ^2/NDF: 551.7/22

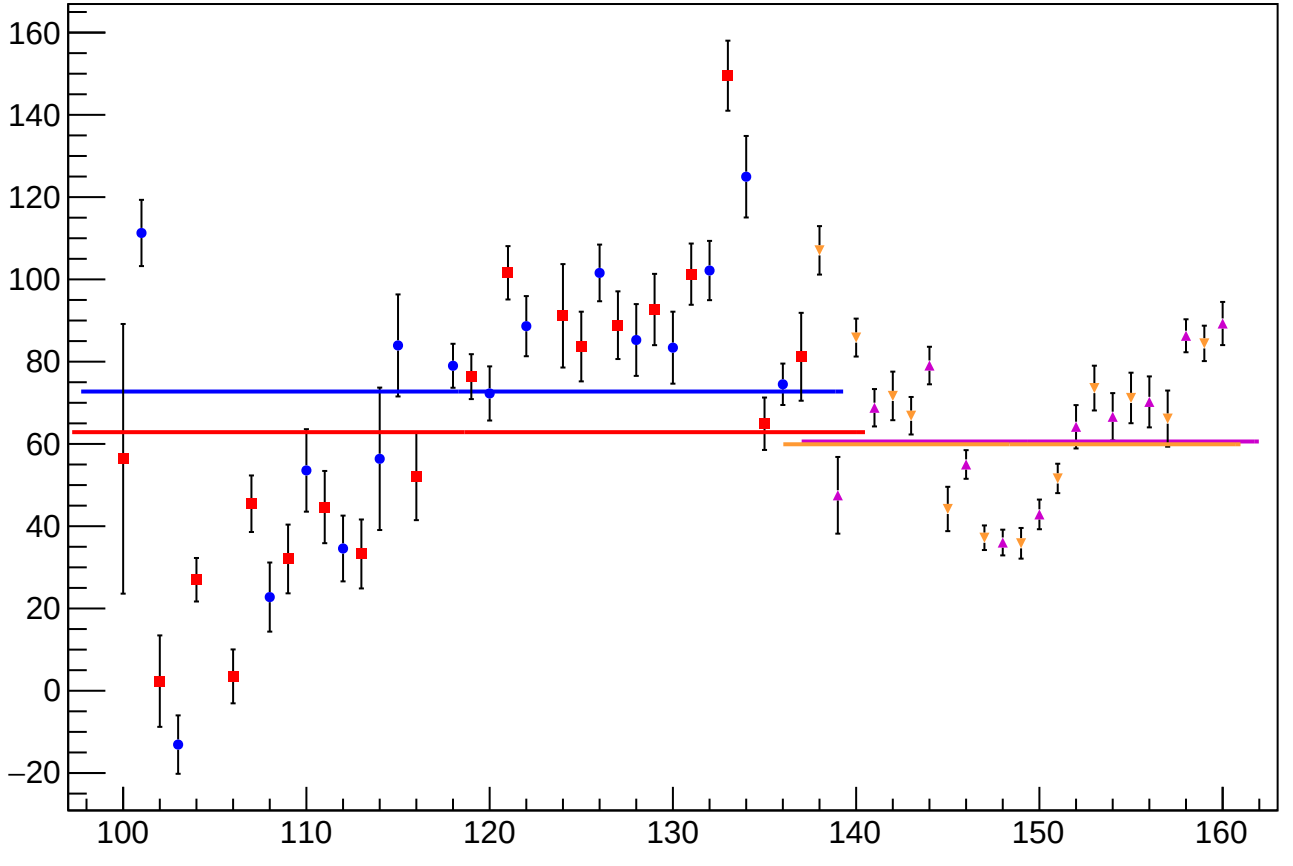
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 371.558+/-1.194 χ^2/NDF:3614.1/26

Out: 354.477+/-1.150 χ^2/NDF:5698.0/30

All: 362.697+/-0.829 χ^2/NDF: 9418.2/57

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: 60.593+/-1.336 χ^2/NDF:184.9/10

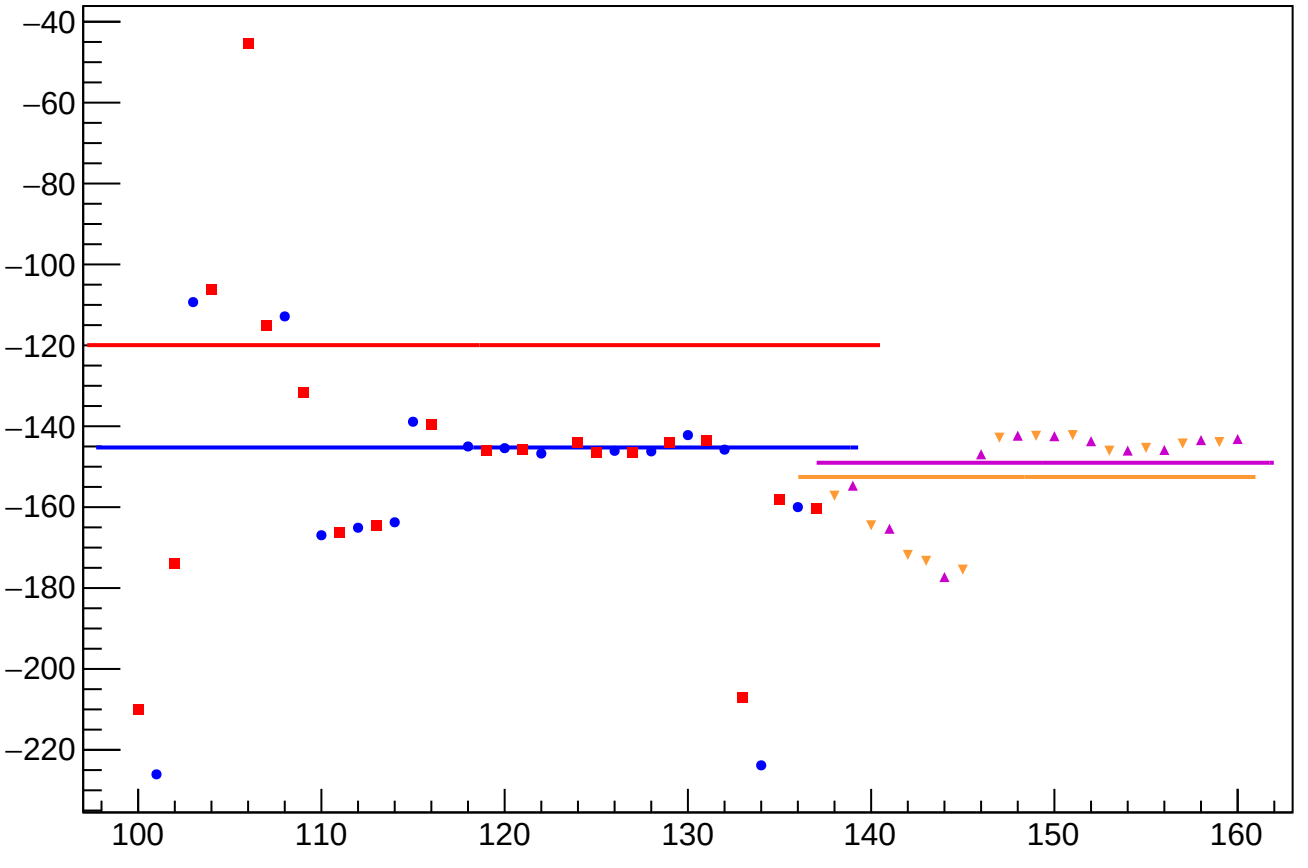
Left: 60.249+/-0.934 χ^2/NDF: 443.3/22

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 64.620+/-1.092 χ^2/NDF:516.7/26

Out: 60.940+/-1.057 χ^2/NDF:663.6/30

All: 62.719+/-0.759 χ^2/NDF: 1186.1/57



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: -149.025+/-0.063 χ^2/NDF:25097.3/10

Left: -150.763+/-0.045 χ^2/NDF: 64875.5/22

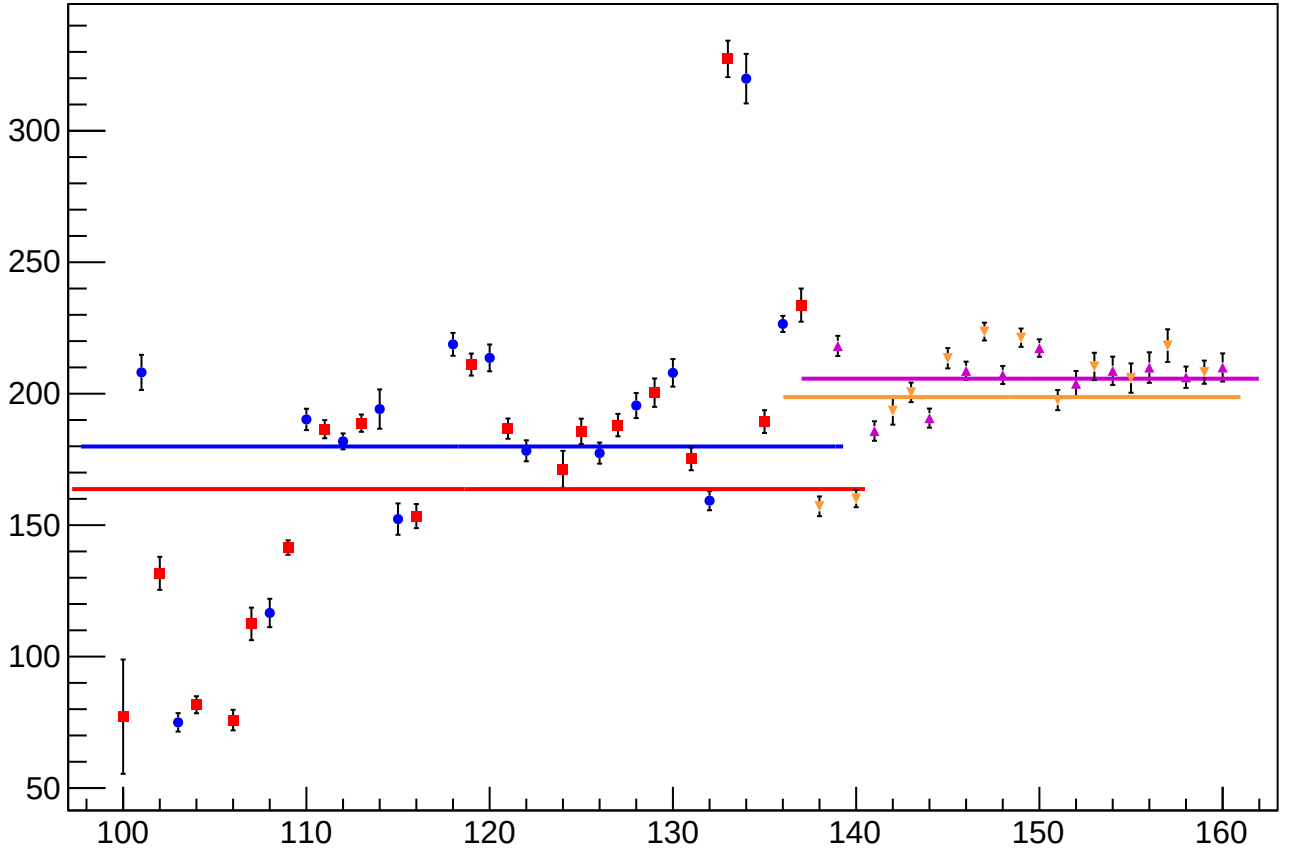
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.928+/-0.053 χ^2/NDF:158202.5/26

Out: -141.517+/-0.052 χ^2/NDF:397404.2/30

All: -144.647+/-0.037 χ^2/NDF: 563100.9/57

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: 205.711+/-1.217 χ^2/NDF:71.2/10

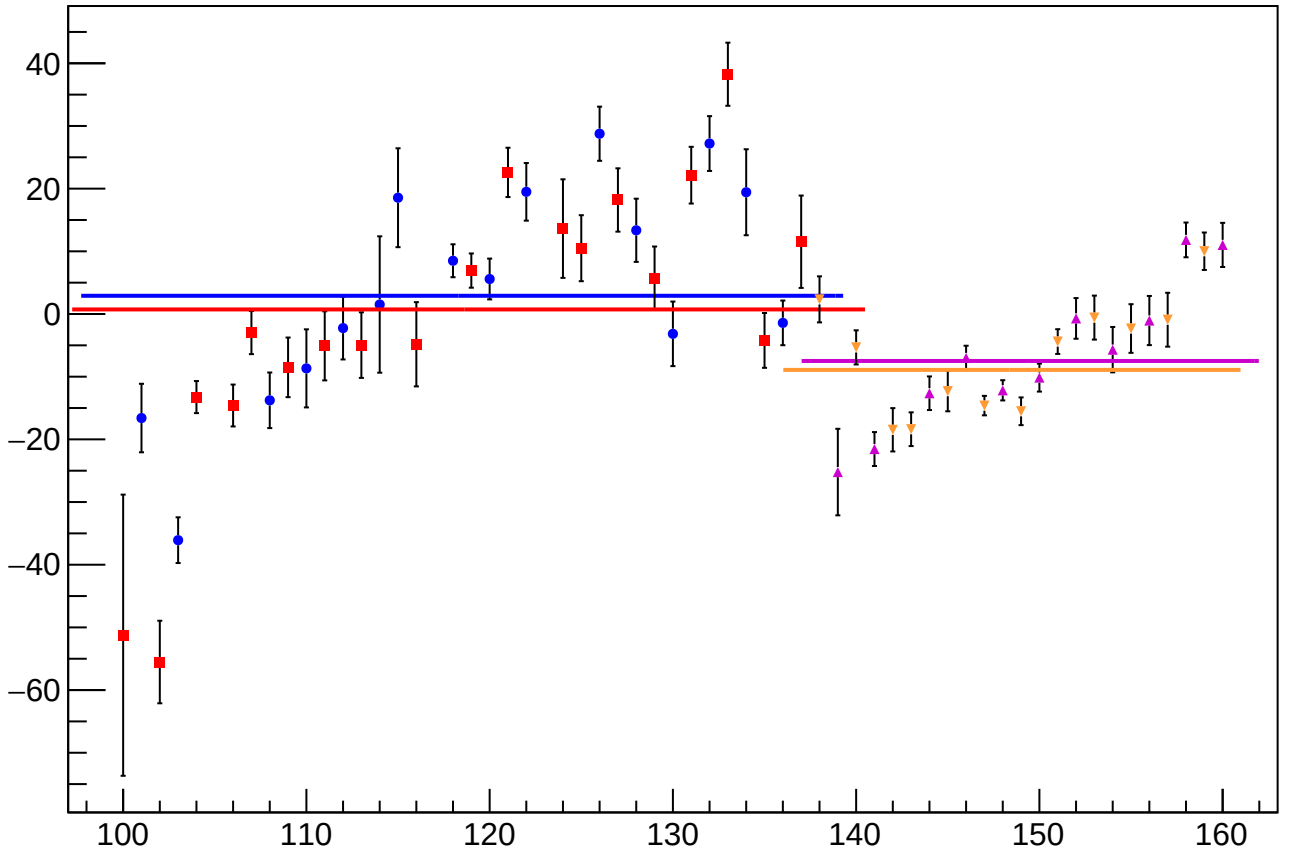
Left: 202.094+/-0.845 χ^2/NDF: 483.4/22

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 191.385+/-0.811 χ^2/NDF:2053.5/26

Out: 178.440+/-0.762 χ^2/NDF:3326.4/30

All: 184.506+/-0.555 χ^2/NDF: 5515.2/57



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: -7.493+/-0.793 χ^2/NDF:130.7/10

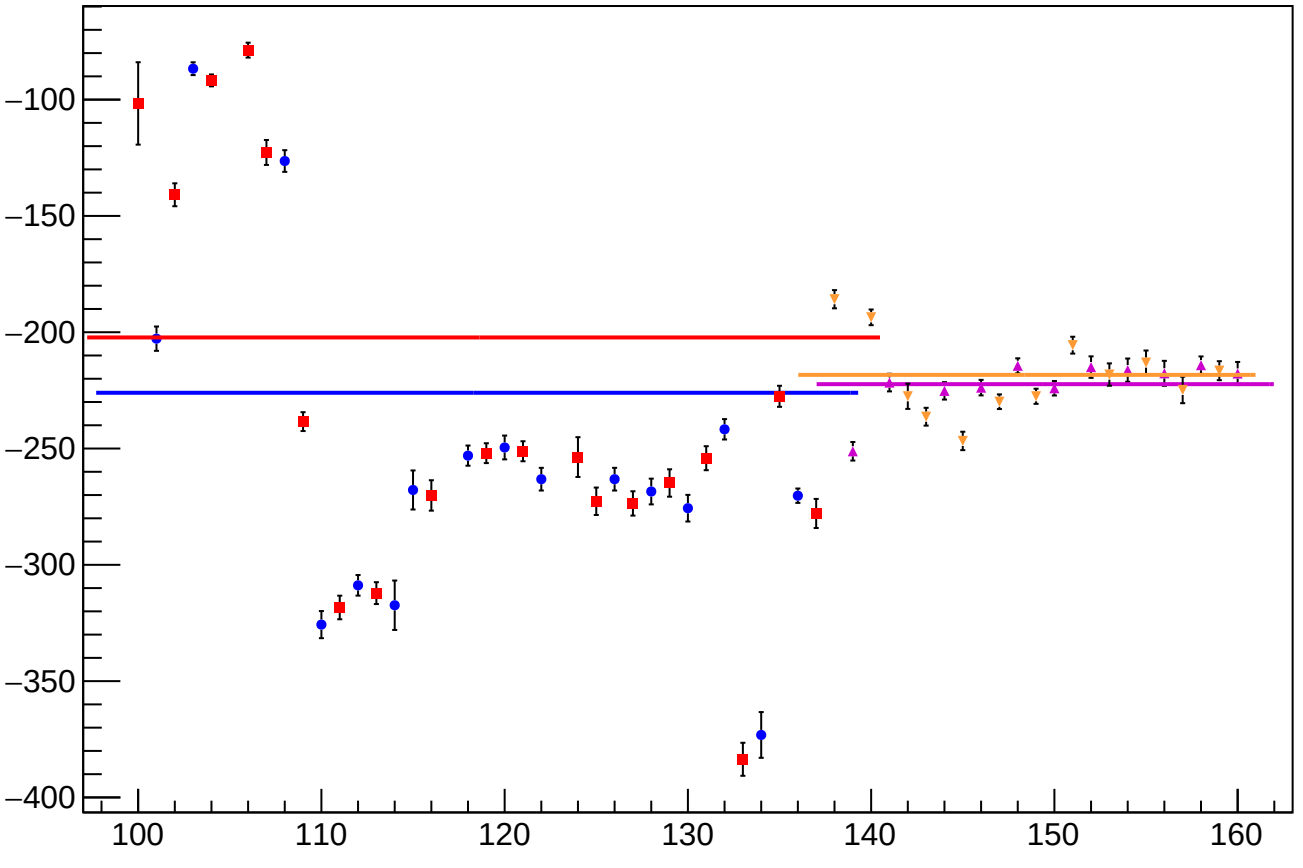
Left: -8.232+/-0.550 χ^2/NDF: 244.4/22

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -3.956+/-0.644 χ^2/NDF:436.7/26

Out: -5.421+/-0.609 χ^2/NDF:443.5/30

All: -4.729+/-0.443 χ^2/NDF: 882.9/57



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: -222.327+/-1.174 χ^2/NDF:69.8/10

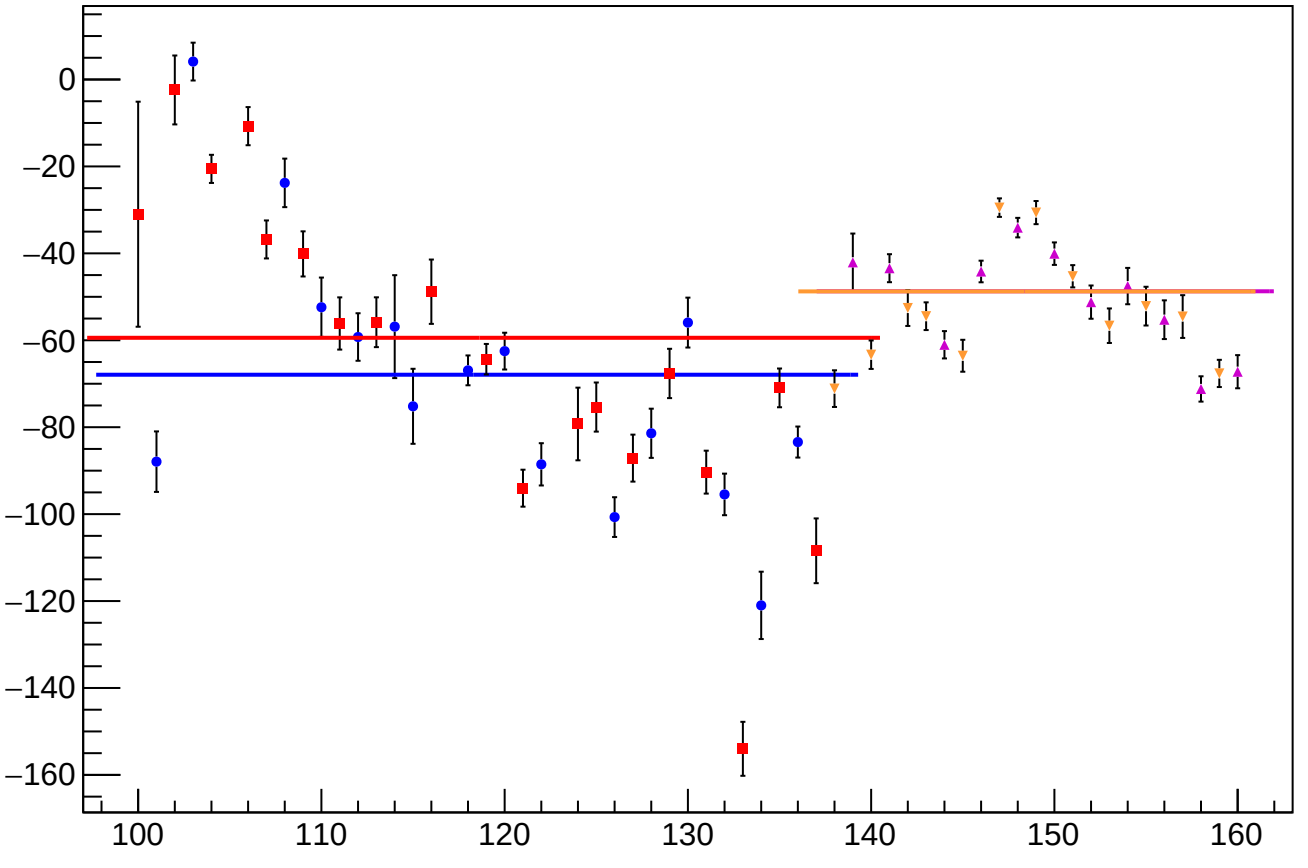
Left: -220.284+/-0.820 χ^2/NDF: 311.5/22

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -224.175+/-0.830 χ^2/NDF:4613.8/26

Out: -209.869+/-0.789 χ^2/NDF:7030.4/30

All: -216.653+/-0.572 χ^2/NDF: 11800.2/57



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: -48.728+/-0.957 χ^2/NDF:161.8/10

Left: -48.742+/-0.668 χ^2/NDF: 402.4/22

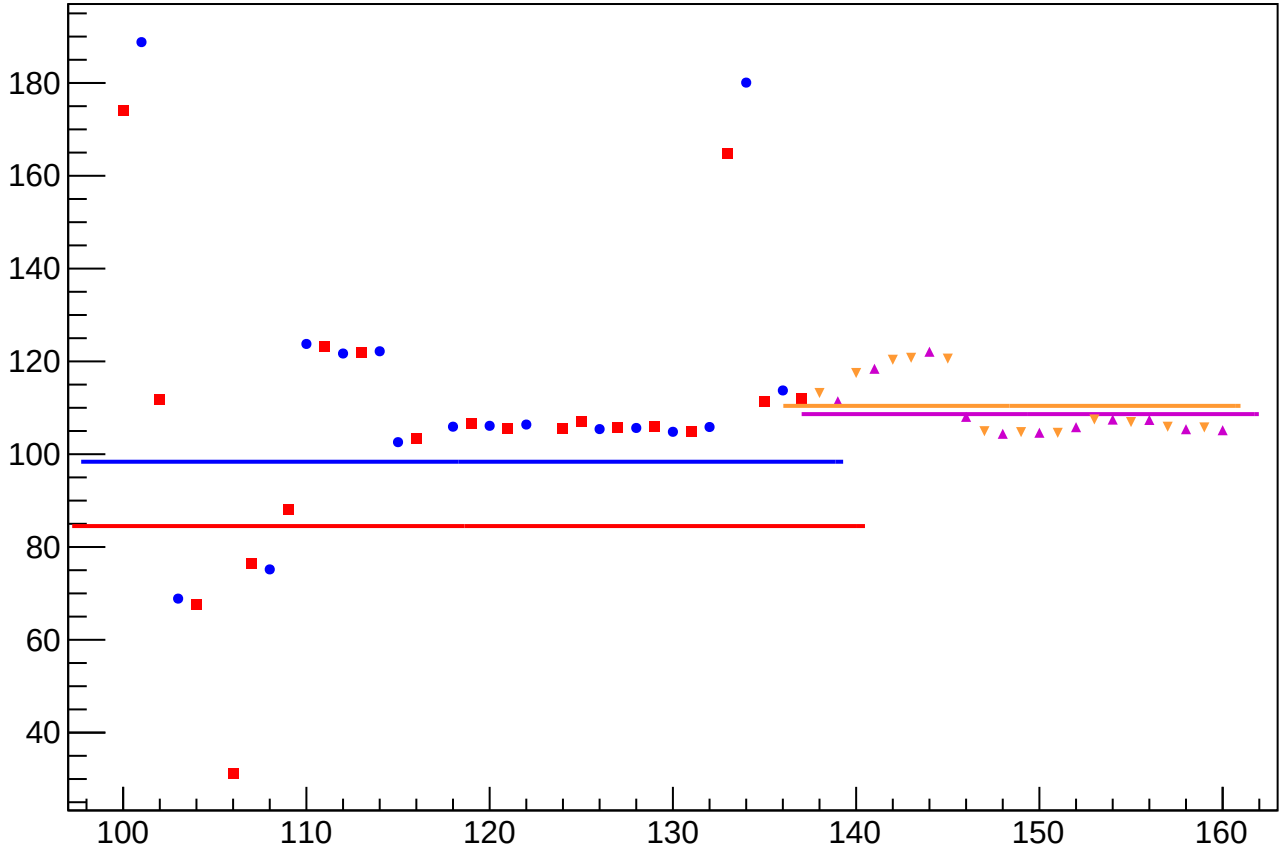
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -55.625+/-0.766 χ^2/NDF:840.4/26

Out: -52.837+/-0.732 χ^2/NDF:1085.6/30

All: -54.168+/-0.529 χ^2/NDF: 1933.0/57

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 110.416+/-0.045 χ^2/NDF:20179.1/11

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.640+/-0.045 χ^2/NDF:14248.0/10

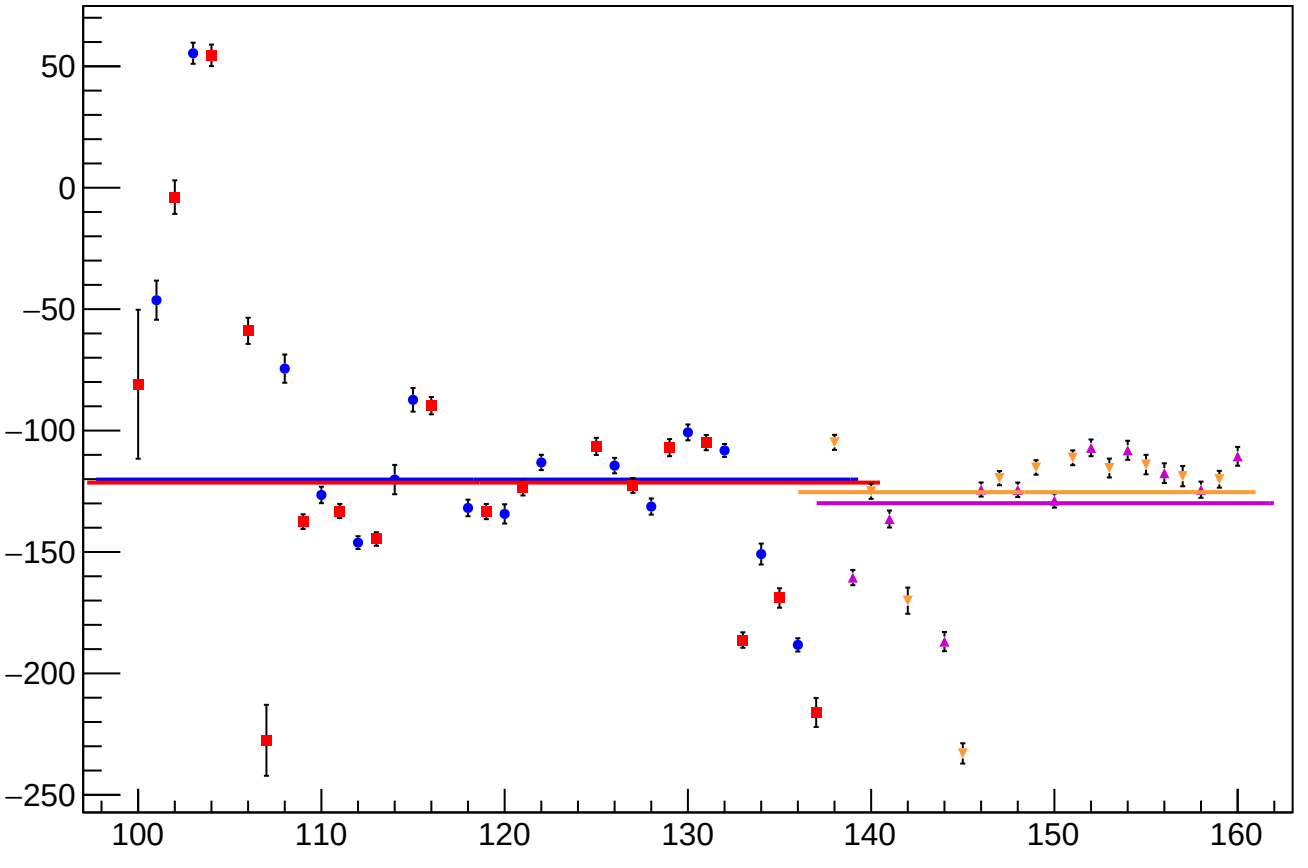
Left: 109.522+/-0.032 χ^2/NDF: 35198.2/22

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.378+/-0.037 χ^2/NDF:259142.6/26

Out: 101.111+/-0.036 χ^2/NDF:406061.9/30

All: 103.193+/-0.026 χ^2/NDF: 671932.5/57



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: -129.897+/-1.020 χ^2/NDF:424.9/10

Left: -127.701+/-0.733 χ^2/NDF: 1263.6/21

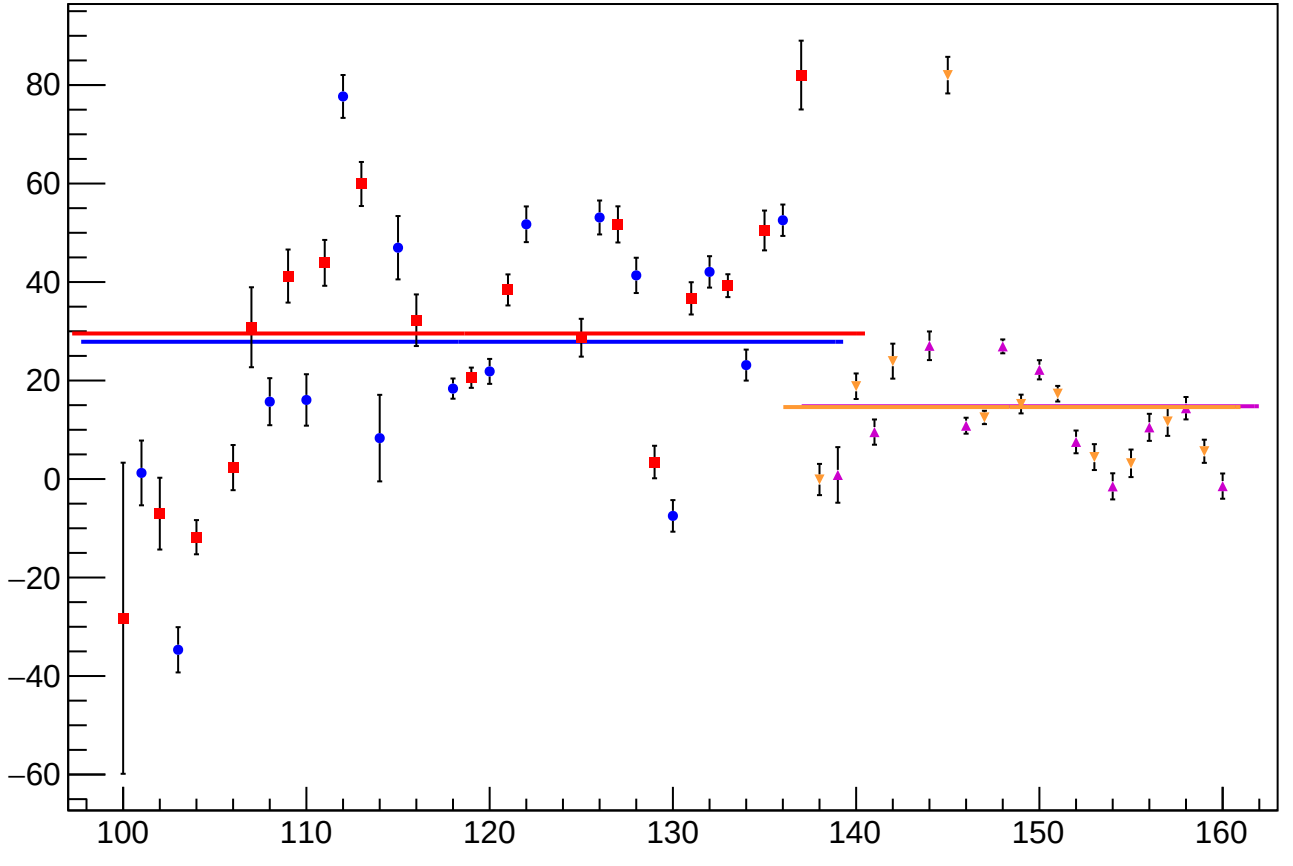
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -124.383+/-0.671 χ^2/NDF:3167.6/26

Out: -123.029+/-0.673 χ^2/NDF:3963.8/28

All: -123.708+/-0.475 χ^2/NDF: 7133.4/55

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: 14.779+/-0.666 χ^2/NDF:212.8/10

Left: 14.697+/-0.474 χ^2/NDF: 625.9/21

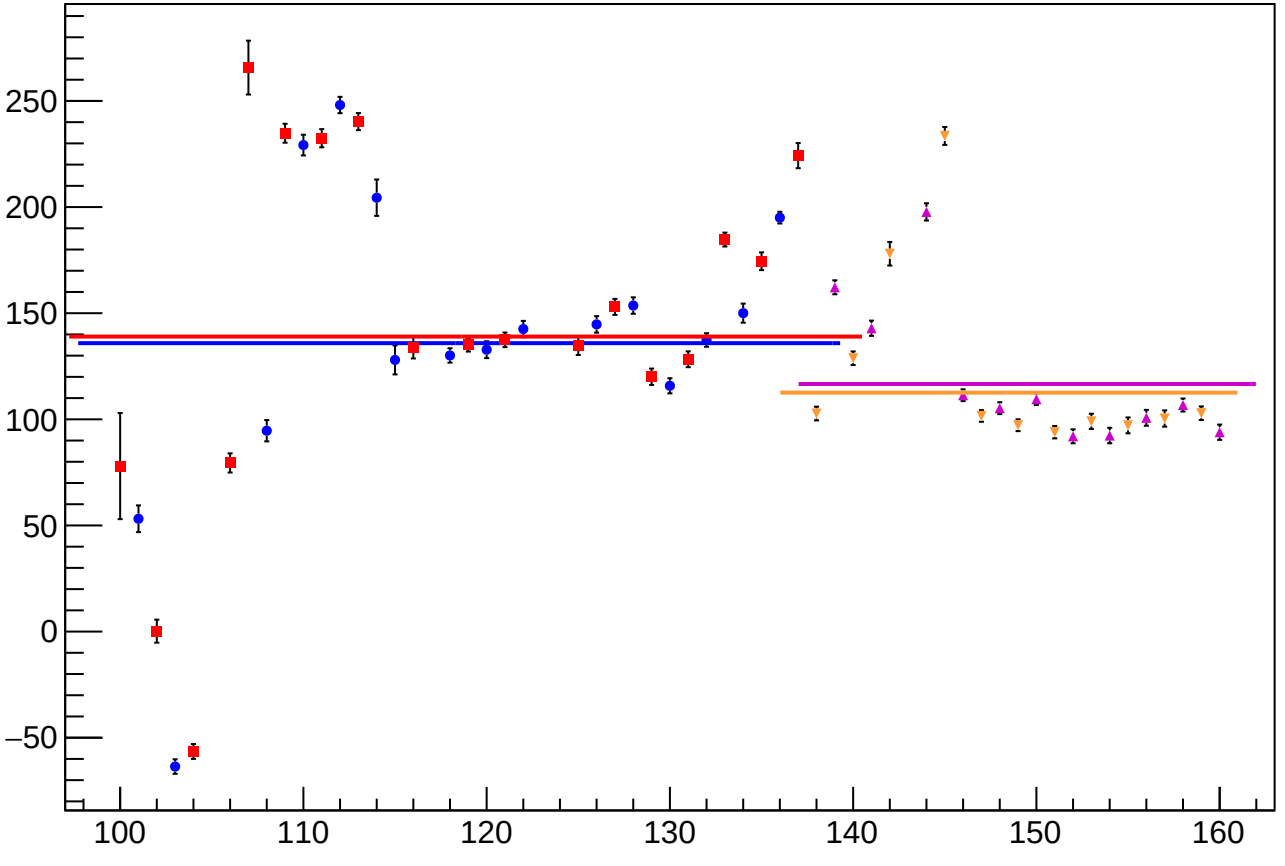
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 19.487+/-0.533 χ^2/NDF:1051.6/26

Out: 20.079+/-0.538 χ^2/NDF:1089.3/28

All: 19.780+/-0.379 χ^2/NDF: 2141.6/55

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: 116.647+/-0.978 χ^2/NDF:839.7/10

Left: 114.685+/-0.704 χ^2/NDF: 1980.3/21

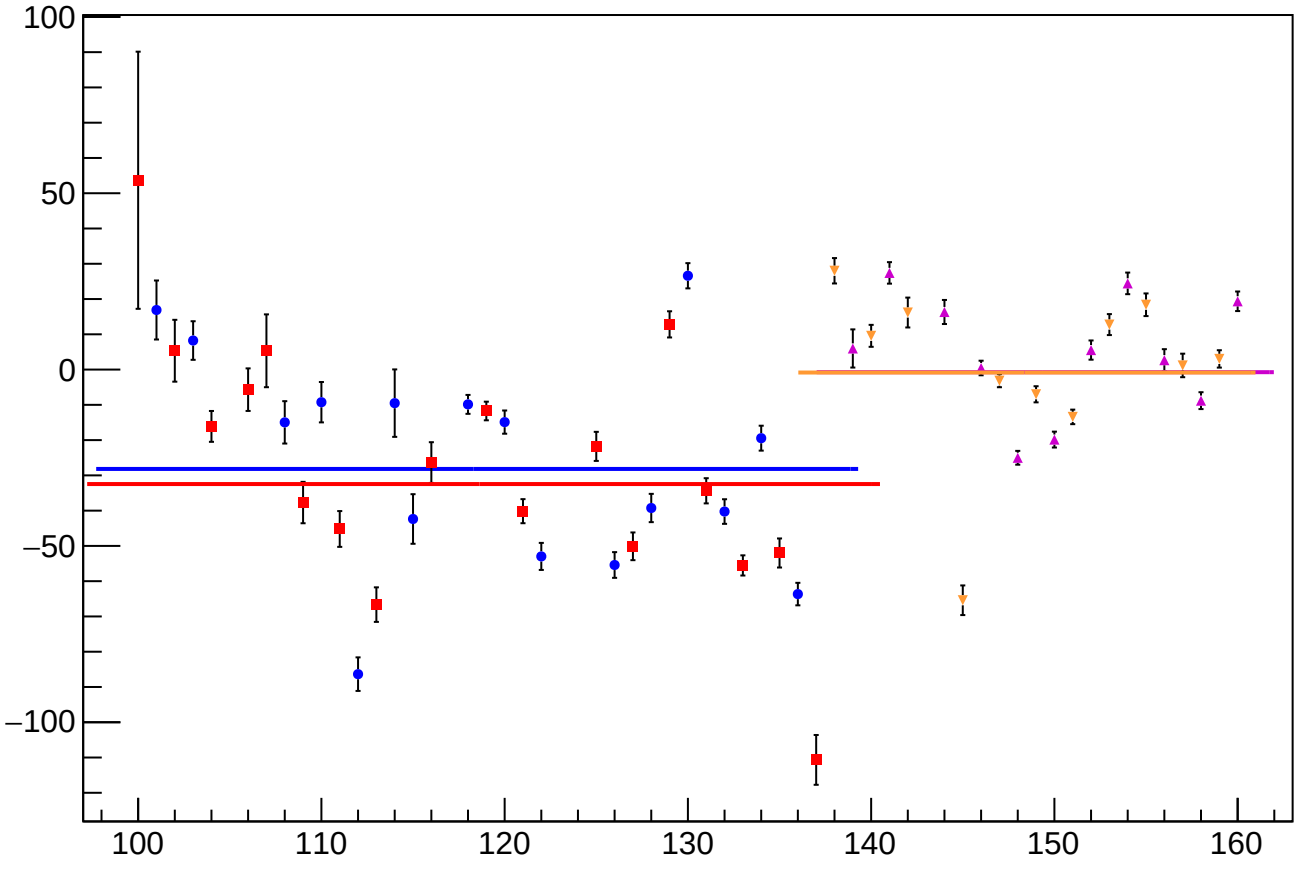
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 126.063+/-0.699 χ^2/NDF:6492.8/26

Out: 125.976+/-0.711 χ^2/NDF:7633.4/28

All: 126.021+/-0.498 χ^2/NDF: 14126.2/55

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -0.836+/-0.824 χ^2/NDF:433.3/10

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -0.739+/-0.799 χ^2/NDF:475.6/10

Left: -0.786+/-0.573 χ^2/NDF: 908.8/21

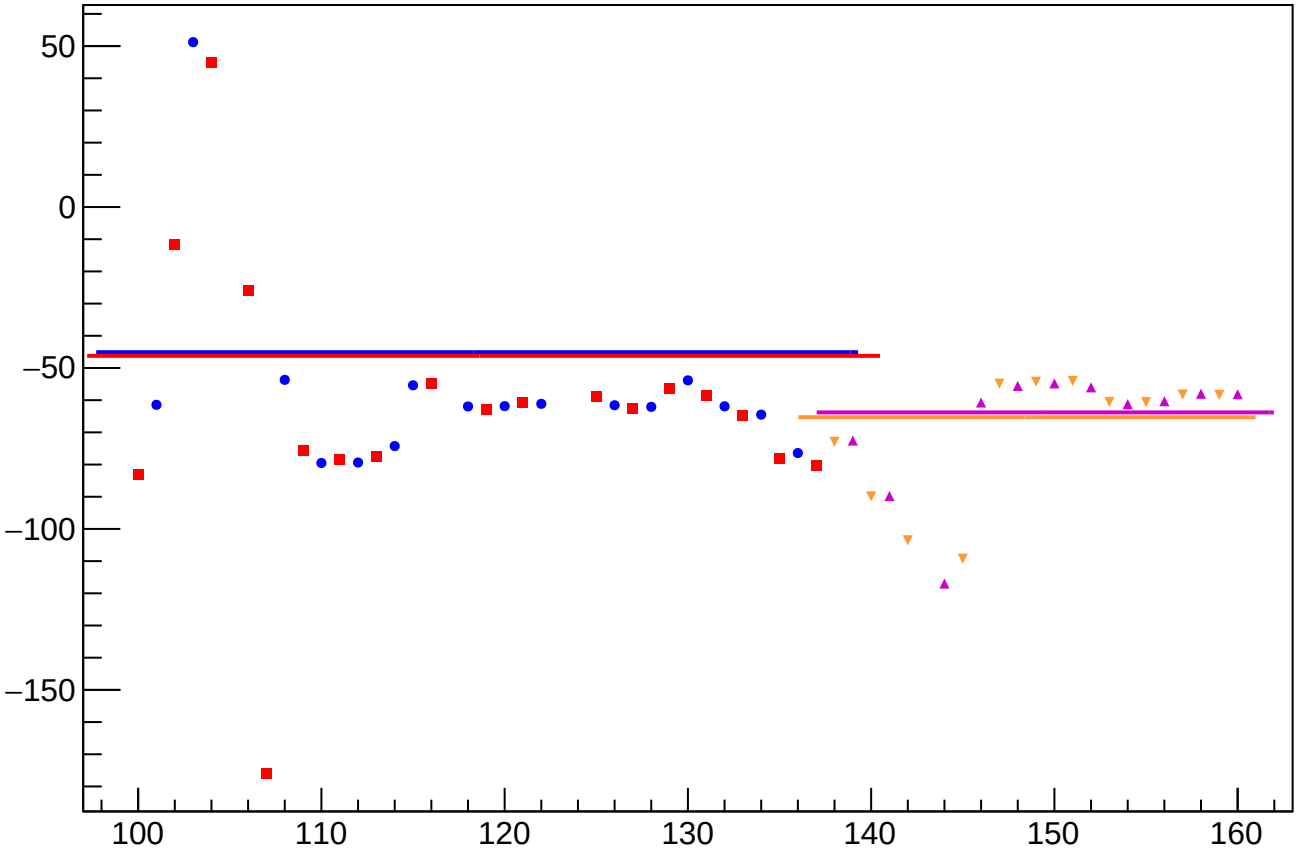
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -11.136+/-0.629 χ^2/NDF:1714.1/26

Out: -13.211+/-0.643 χ^2/NDF:1590.8/28

All: -12.152+/-0.450 χ^2/NDF: 3310.2/55

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -63.804+/-0.037 χ^2/NDF:144790.9/10

Left: -64.508+/-0.027 χ^2/NDF: 312600.4/21

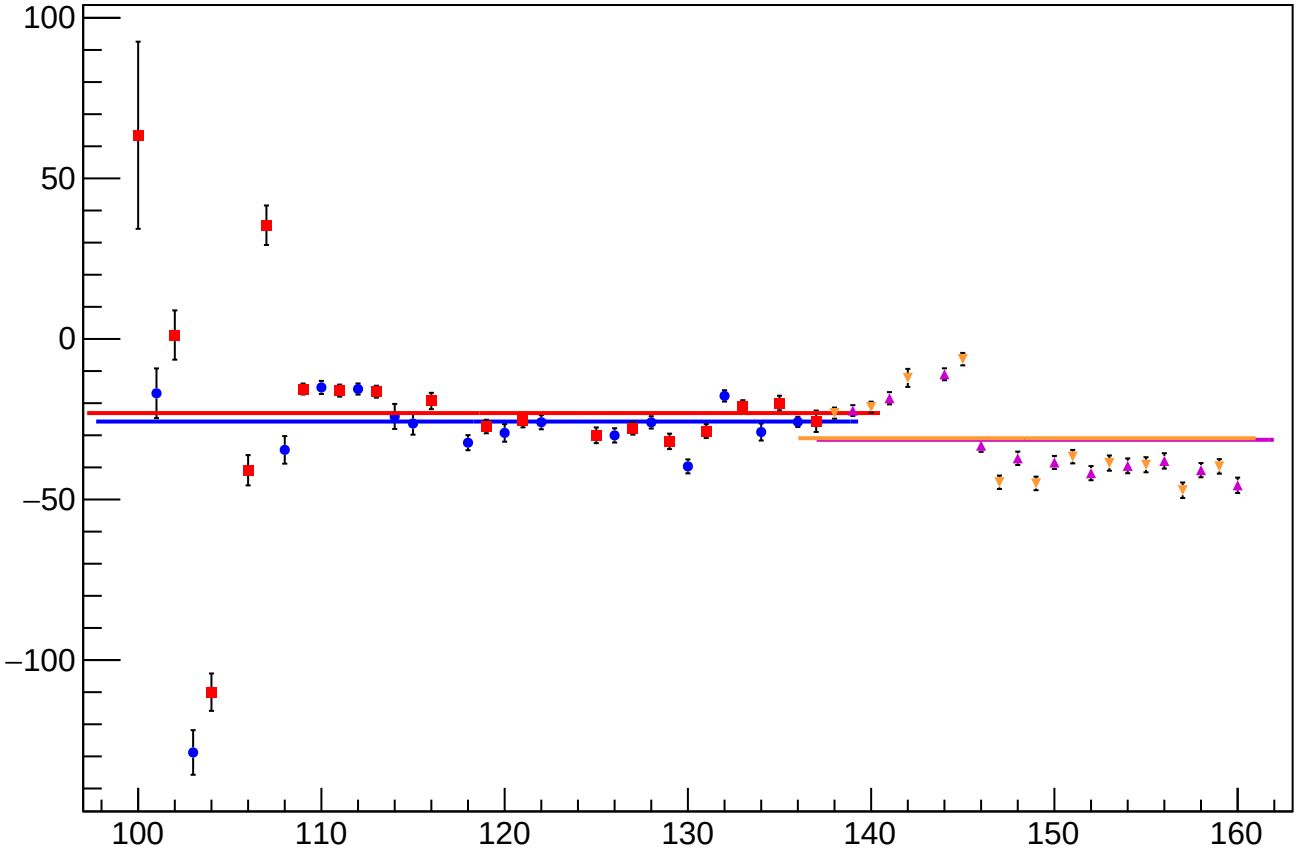
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.702+/-0.031 χ^2/NDF:790278.7/26

Out: -59.957+/-0.033 χ^2/NDF:727488.4/28

All: -59.296+/-0.023 χ^2/NDF: 1518522.6/55

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: -31.400+/-0.619 χ^2/NDF:312.1/10

Left: -31.163+/-0.443 χ^2/NDF: 749.5/21

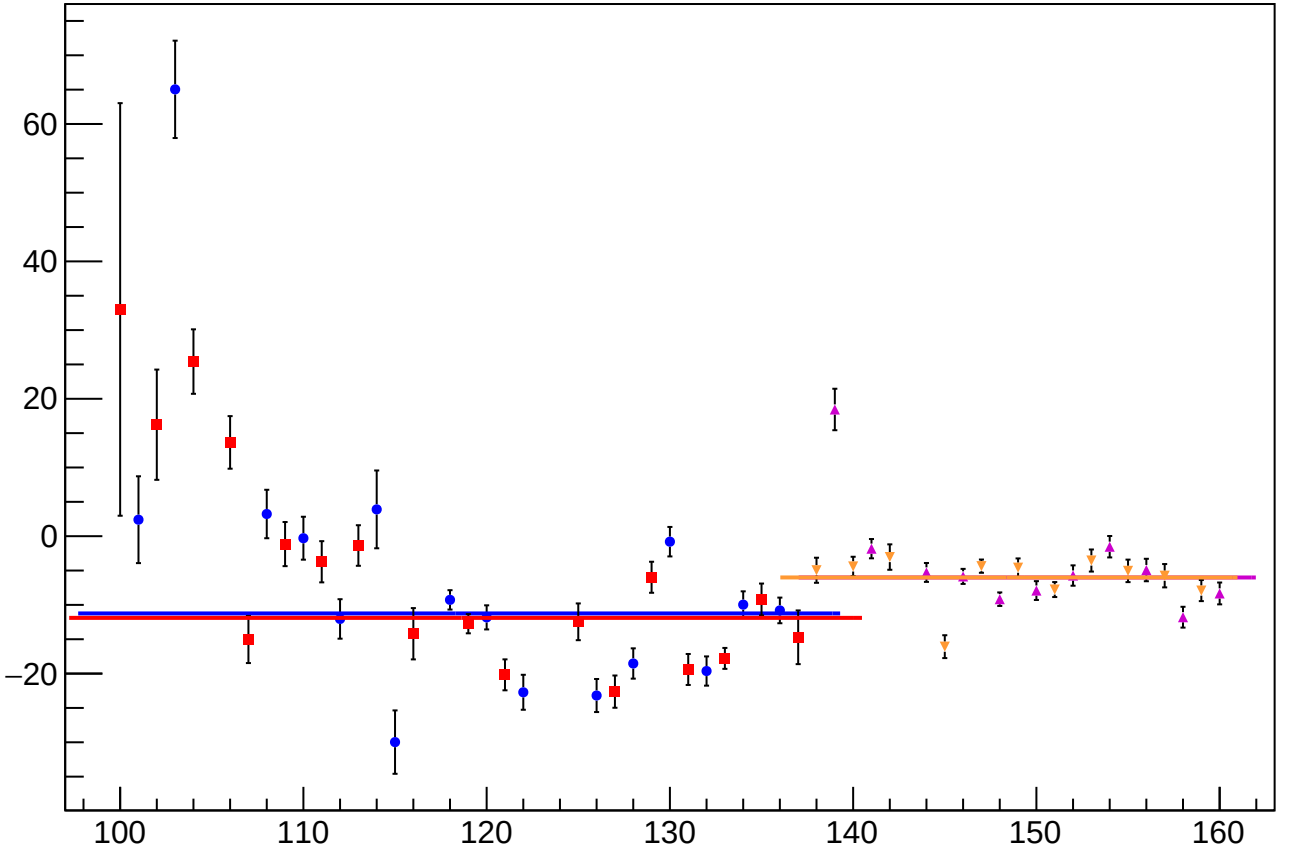
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -28.426+/-0.427 χ^2/NDF:719.2/26

Out: -26.660+/-0.429 χ^2/NDF:957.1/28

All: -27.546+/-0.303 χ^2/NDF: 1684.8/55

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.007+/-0.428 χ^2/NDF:51.7/10

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.012+/-0.422 χ^2/NDF:112.5/10

Left: -6.009+/-0.301 χ^2/NDF: 164.2/21

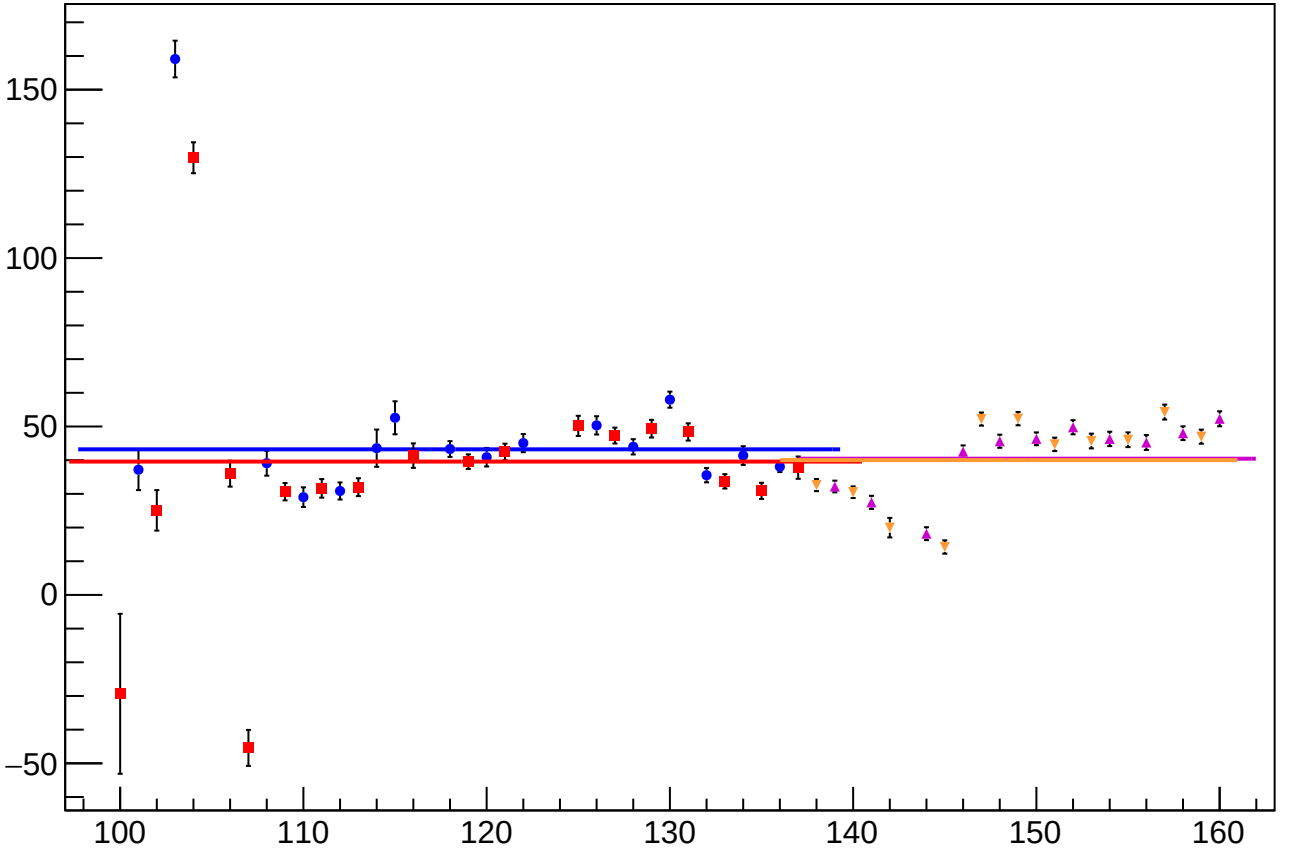
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.744+/-0.345 χ^2/NDF:434.5/26

Out: -7.962+/-0.350 χ^2/NDF:338.9/28

All: -7.852+/-0.246 χ^2/NDF: 773.6/55

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: 40.442+/-0.599 χ^2/NDF:293.7/10

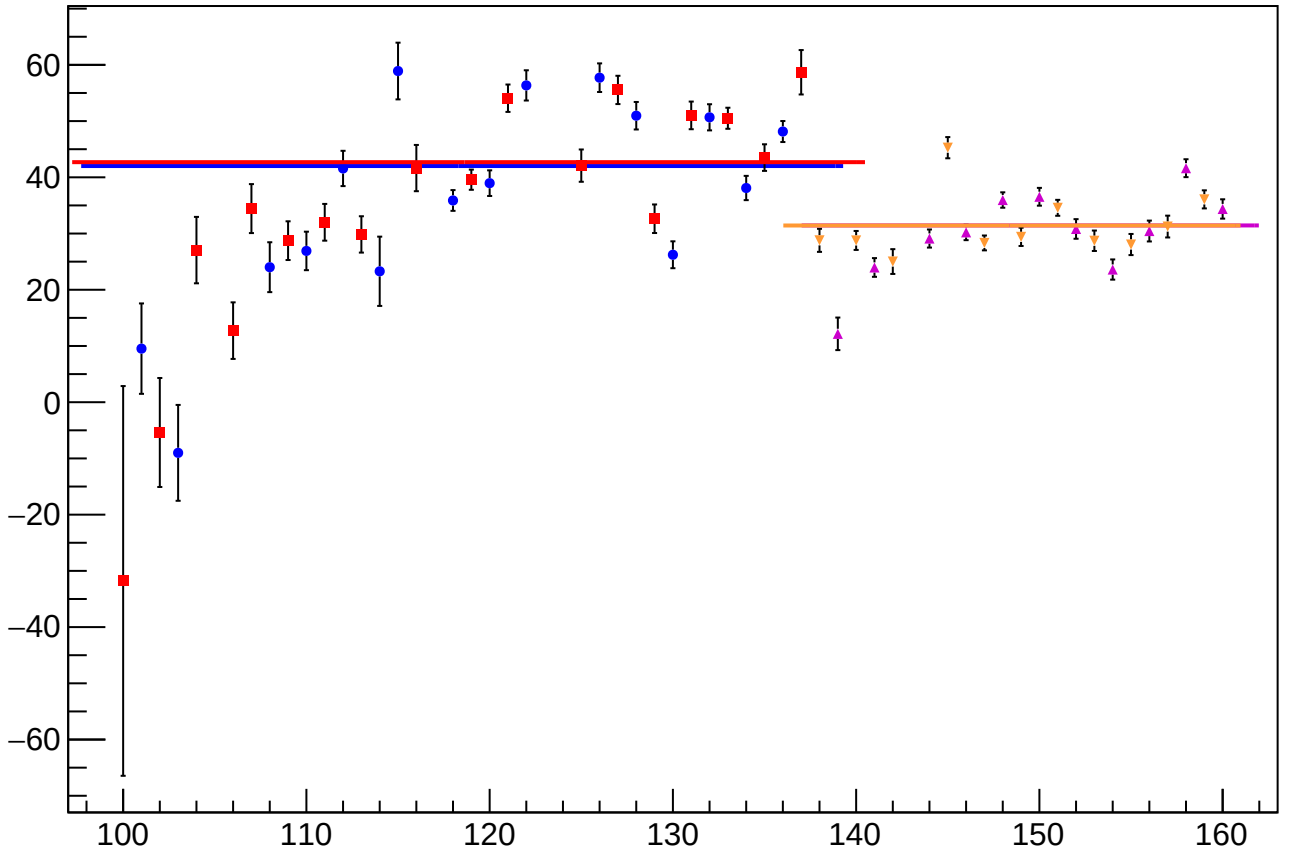
Left: 40.242+/-0.430 χ^2/NDF: 708.5/21

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.660+/-0.449 χ^2/NDF:879.1/26

Out: 39.832+/-0.458 χ^2/NDF:1168.8/28

All: 40.765+/-0.321 χ^2/NDF: 2056.1/55



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: 31.441+/-0.501 χ^2/NDF:152.0/10

Left: 31.436+/-0.359 χ^2/NDF: 244.3/21

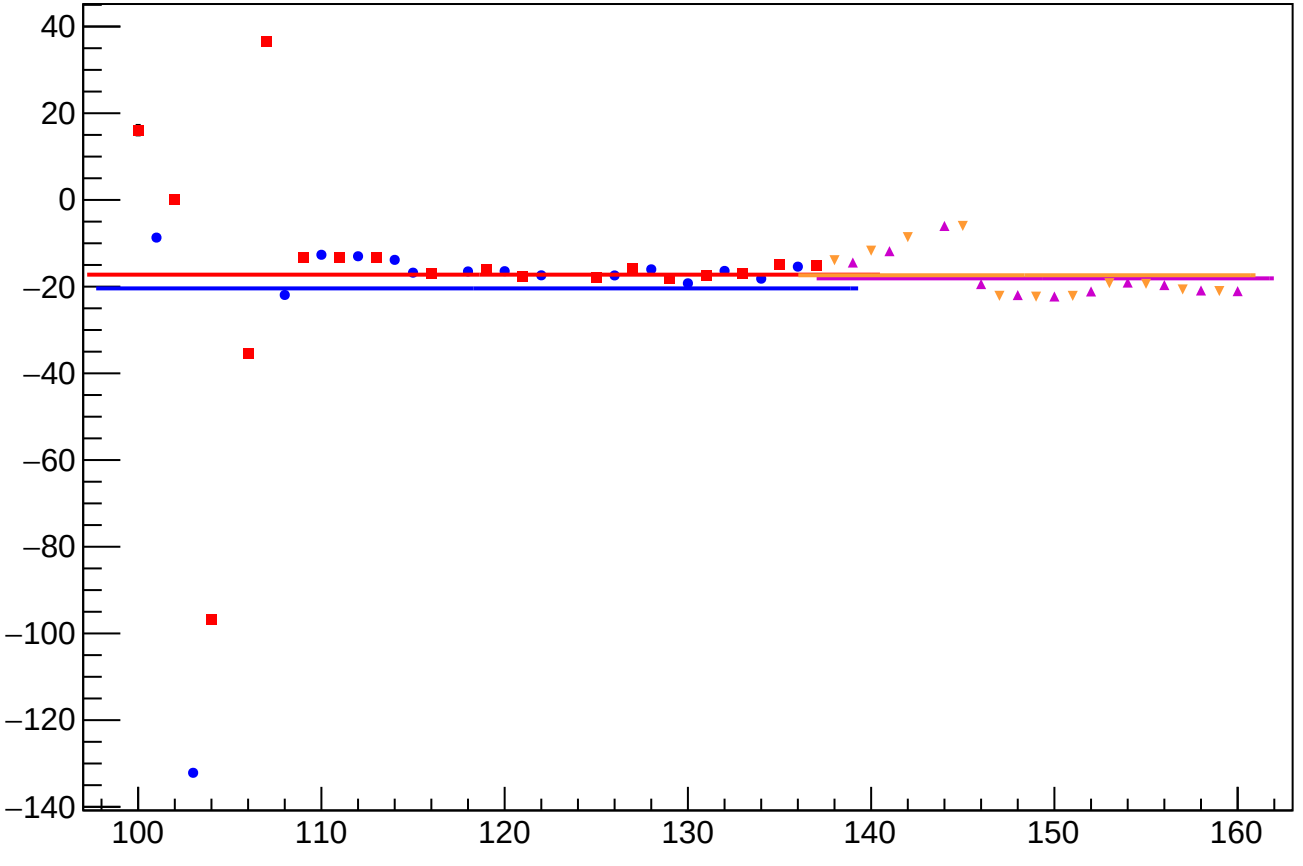
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.135+/-0.404 χ^2/NDF:580.0/26

Out: 35.430+/-0.414 χ^2/NDF:492.2/28

All: 35.279+/-0.289 χ^2/NDF: 1072.5/55

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -17.376+/-0.024 χ^2/NDF:50805.8/10

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.091+/-0.023 χ^2/NDF:40499.3/10

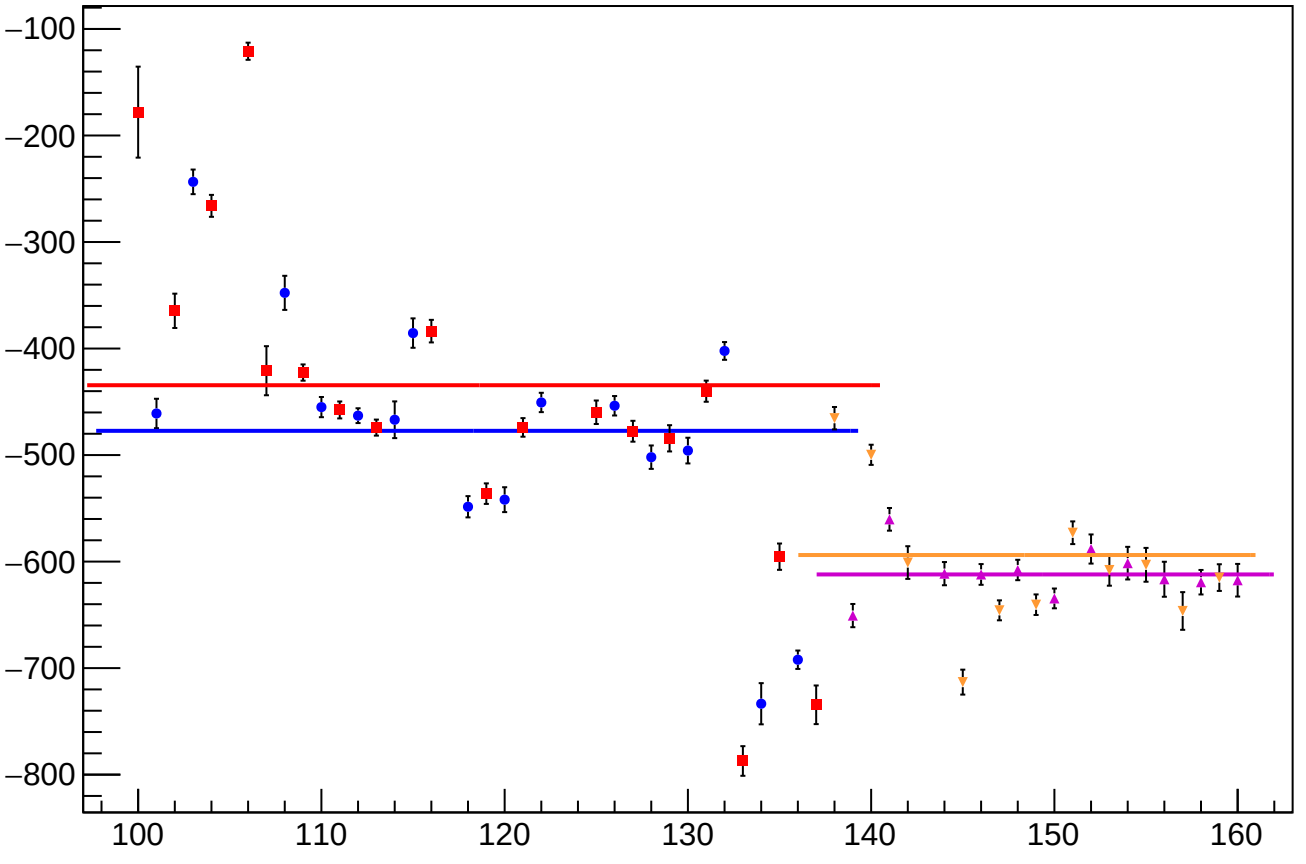
Left: -17.750+/-0.016 χ^2/NDF: 91784.6/21

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.610+/-0.020 χ^2/NDF:288476.2/26

Out: -17.345+/-0.021 χ^2/NDF:255470.8/28

All: -18.007+/-0.014 χ^2/NDF: 545882.5/55



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: -612.060+/-3.453 χ^2/NDF:46.4/10

Left: -603.114+/-2.464 χ^2/NDF: 483.1/21

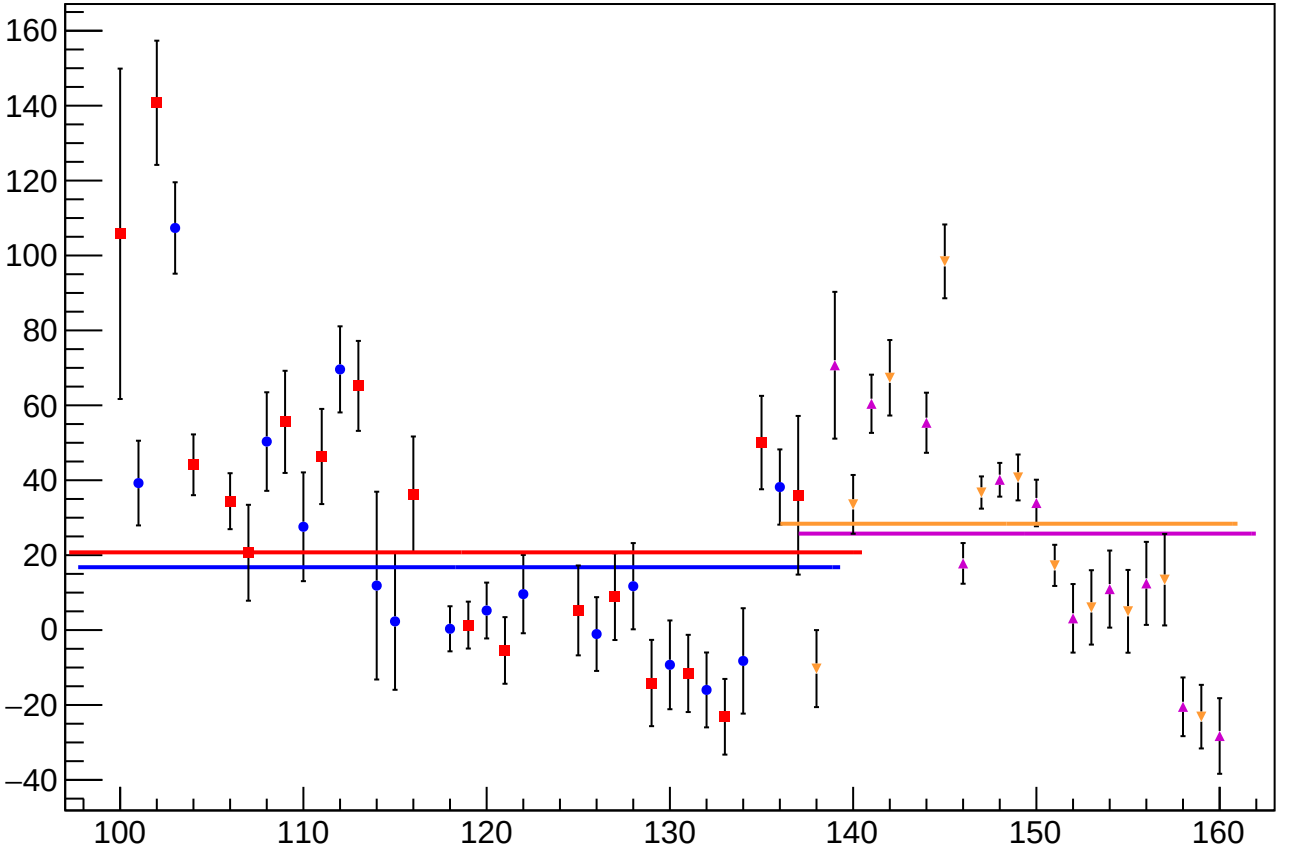
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -526.821+/-2.094 χ^2/NDF:2521.0/26

Out: -486.921+/-2.018 χ^2/NDF:4963.0/28

All: -506.135+/-1.453 χ^2/NDF: 7672.3/55

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: 25.751+/-2.239 χ^2/NDF:125.9/10

Left: 27.068+/-1.585 χ^2/NDF: 266.4/21

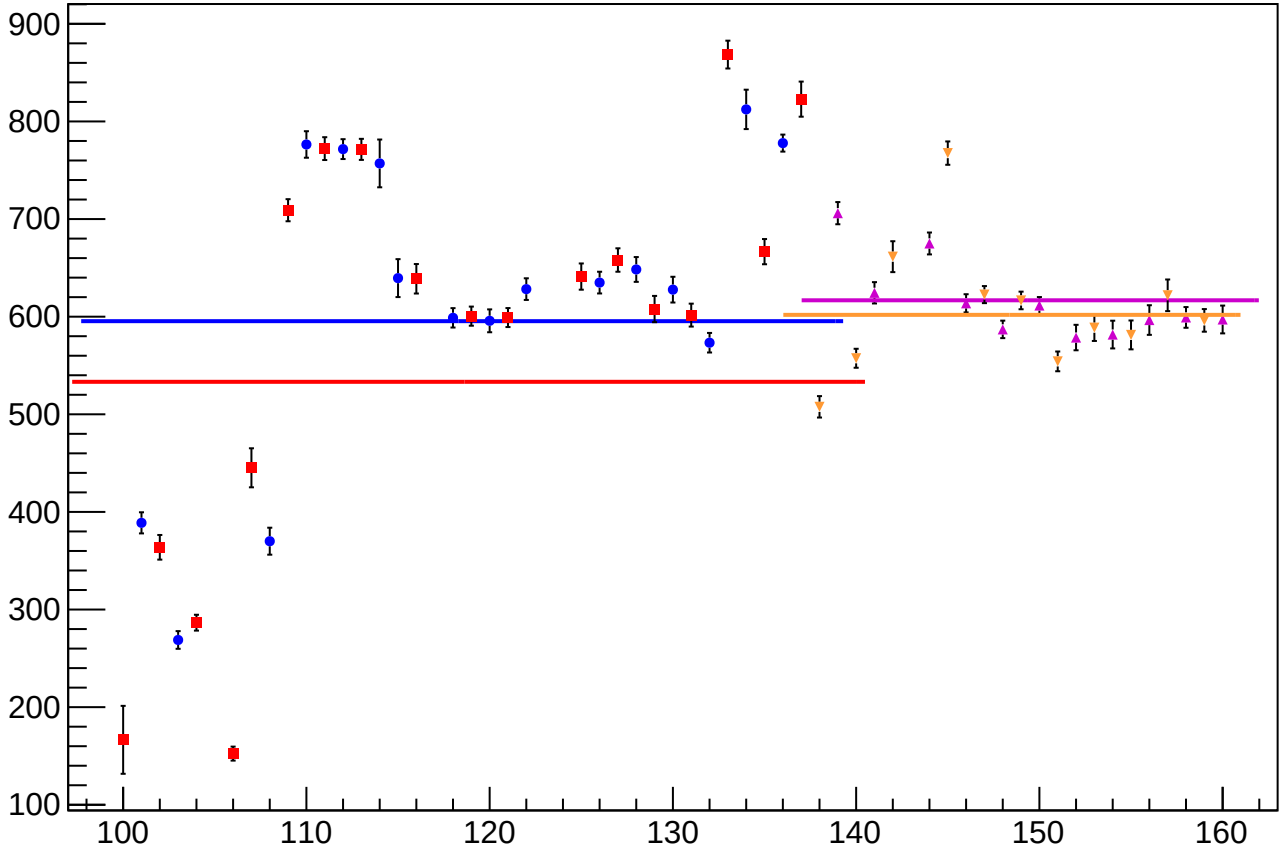
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 22.020+/-1.712 χ^2/NDF:257.5/26

Out: 25.052+/-1.684 χ^2/NDF:302.8/28

All: 23.561+/-1.201 χ^2/NDF: 562.0/55

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: 616.788+/-3.326 χ^2/NDF:121.8/10

Left: 609.504+/-2.379 χ^2/NDF: 467.3/21

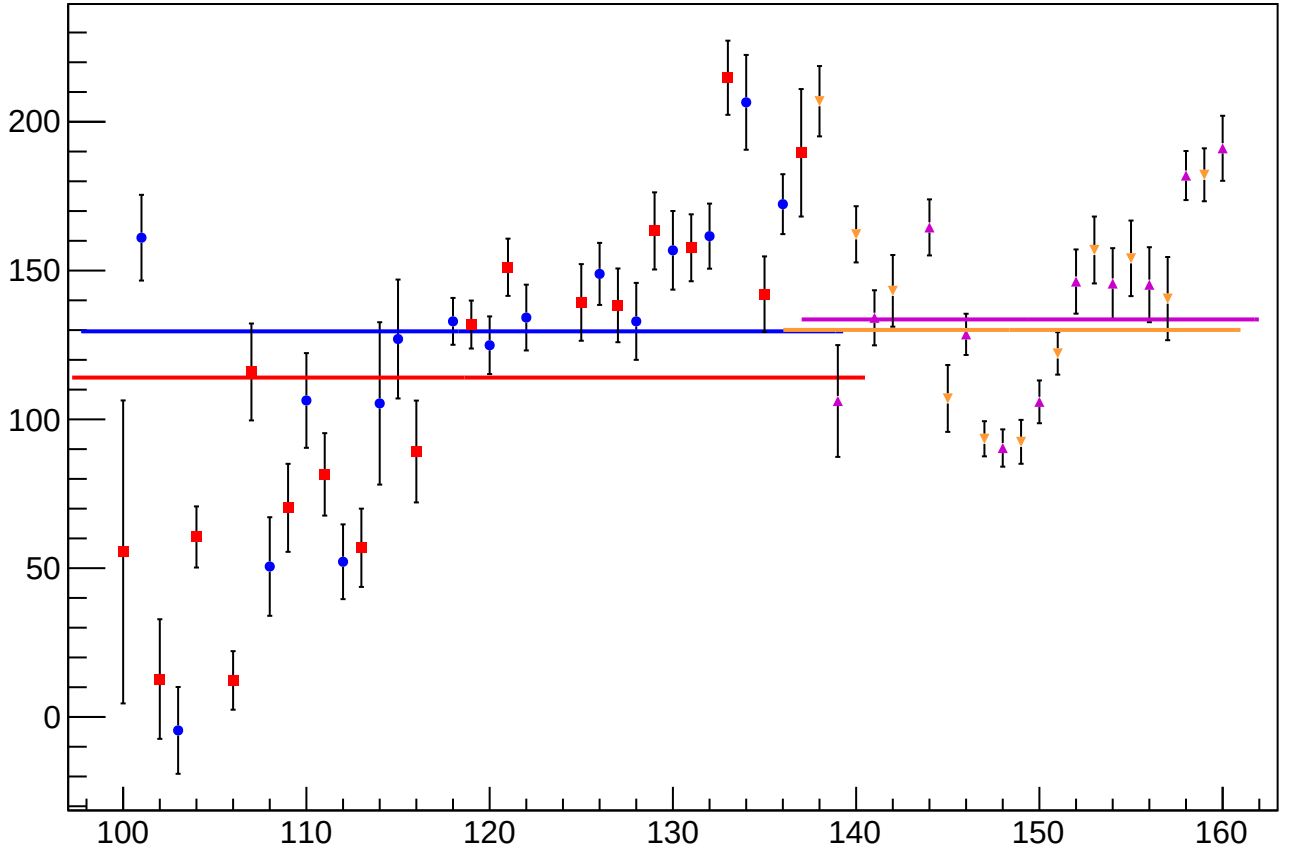
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 604.747+/-2.198 χ^2/NDF:3204.8/26

Out: 560.314+/-2.137 χ^2/NDF:7084.5/28

All: 581.906+/-1.533 χ^2/NDF: 10499.3/55

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: 133.580+/-2.707 χ^2/NDF:141.2/10

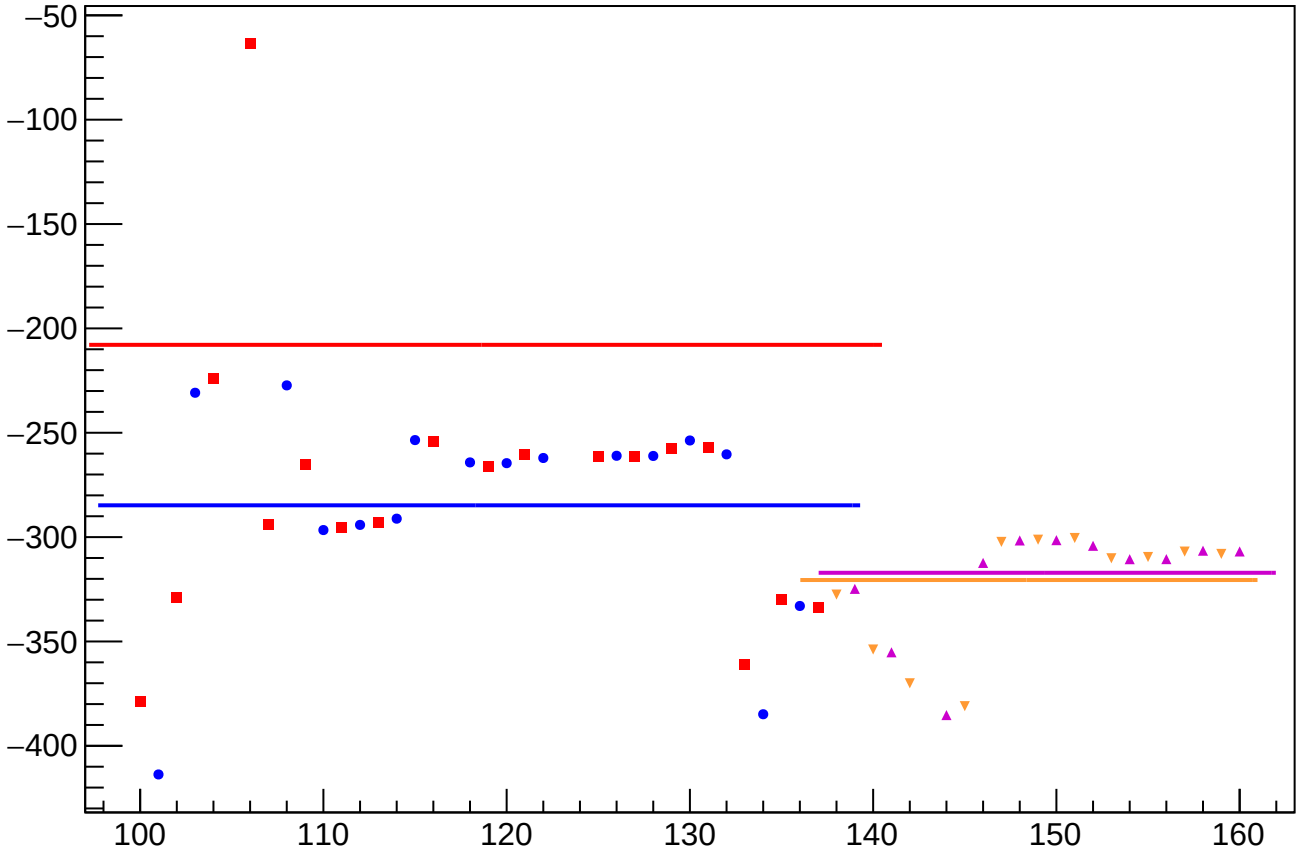
Left: 131.847+/-1.931 χ^2/NDF: 311.1/21

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 131.840+/-2.033 χ^2/NDF:353.4/26

Out: 122.667+/-2.022 χ^2/NDF:520.6/28

All: 127.227+/-1.434 χ^2/NDF: 884.2/55



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: -317.089+/-0.128 χ^2/NDF:32287.1/10

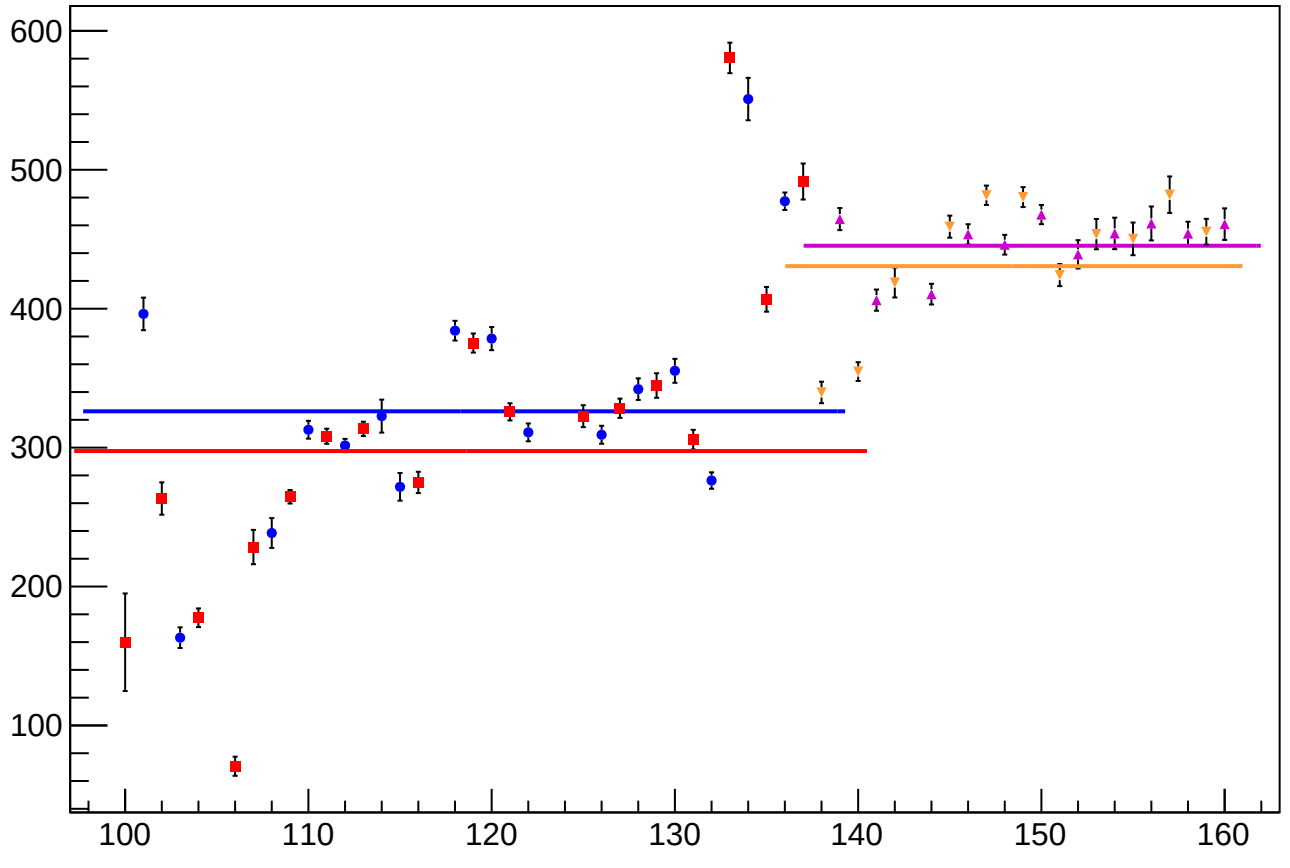
Left: -318.734+/-0.093 χ^2/NDF: 70745.0/21

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.070+/-0.104 χ^2/NDF:158503.3/26

Out: -269.949+/-0.100 χ^2/NDF:890546.2/28

All: -287.314+/-0.072 χ^2/NDF: 1112092.9/55



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: 445.327+/-2.527 χ^2/NDF:71.6/10

Left: 438.084+/-1.801 χ^2/NDF: 498.3/21

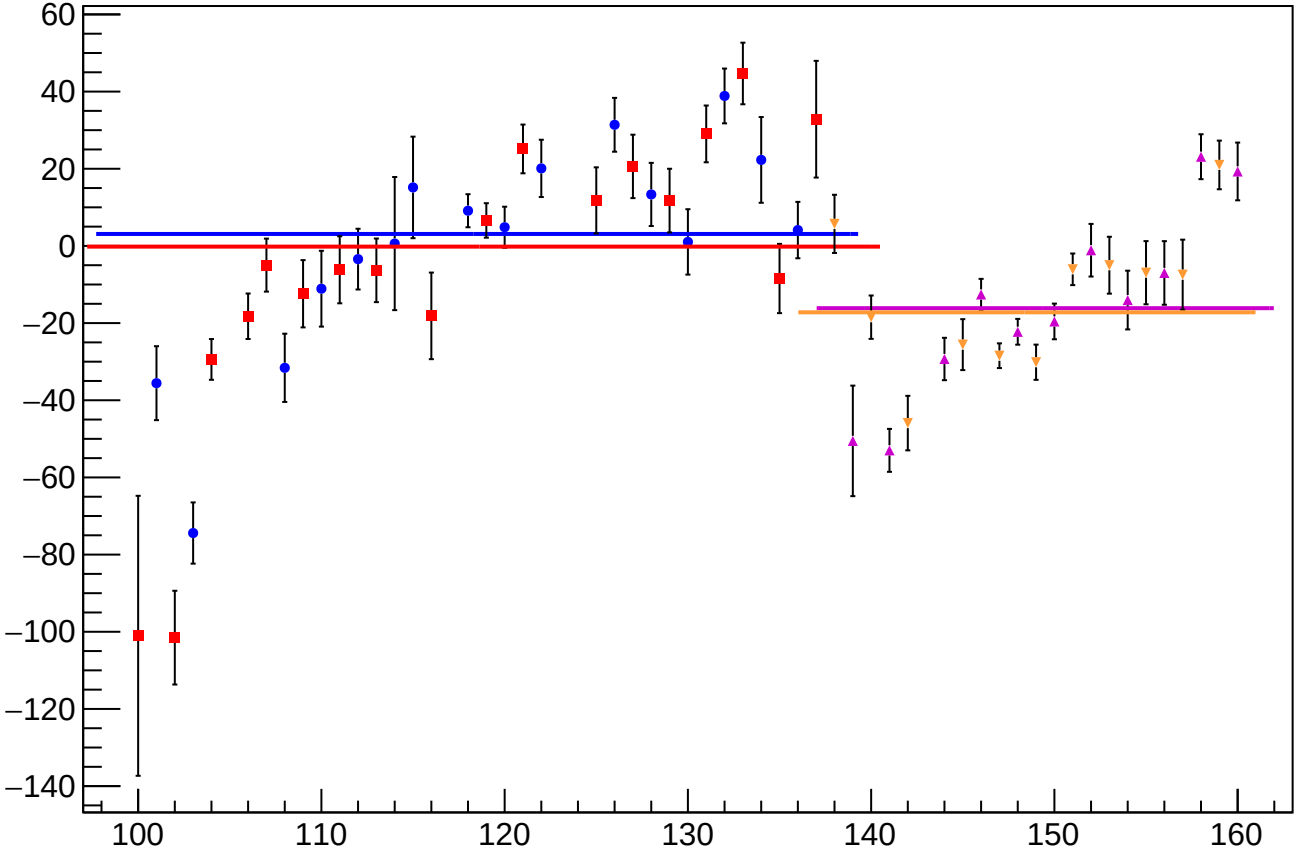
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 367.917+/-1.496 χ^2/NDF:3159.2/26

Out: 339.276+/-1.437 χ^2/NDF:5031.4/28

All: 353.018+/-1.036 χ^2/NDF: 8381.2/55

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: -16.134+/-1.647 χ^2/NDF:134.1/10

Left: -16.670+/-1.165 χ^2/NDF: 231.7/21

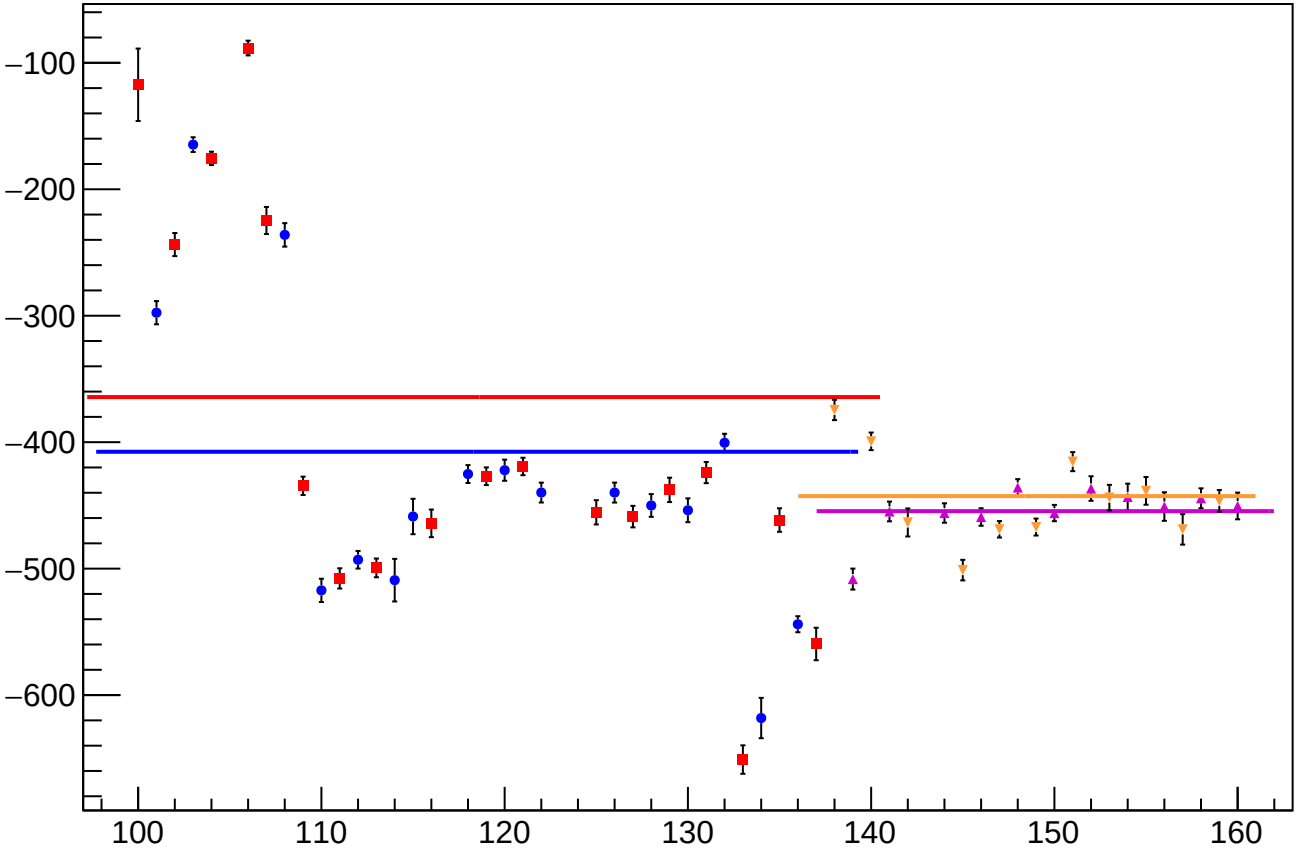
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -7.843+/-1.242 χ^2/NDF:377.4/26

Out: -9.397+/-1.213 χ^2/NDF:351.5/28

All: -8.639+/-0.868 χ^2/NDF: 729.7/55

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: -454.539+/-2.439 χ^2/NDF:56.9/10

Left: -448.727+/-1.743 χ^2/NDF: 281.7/21

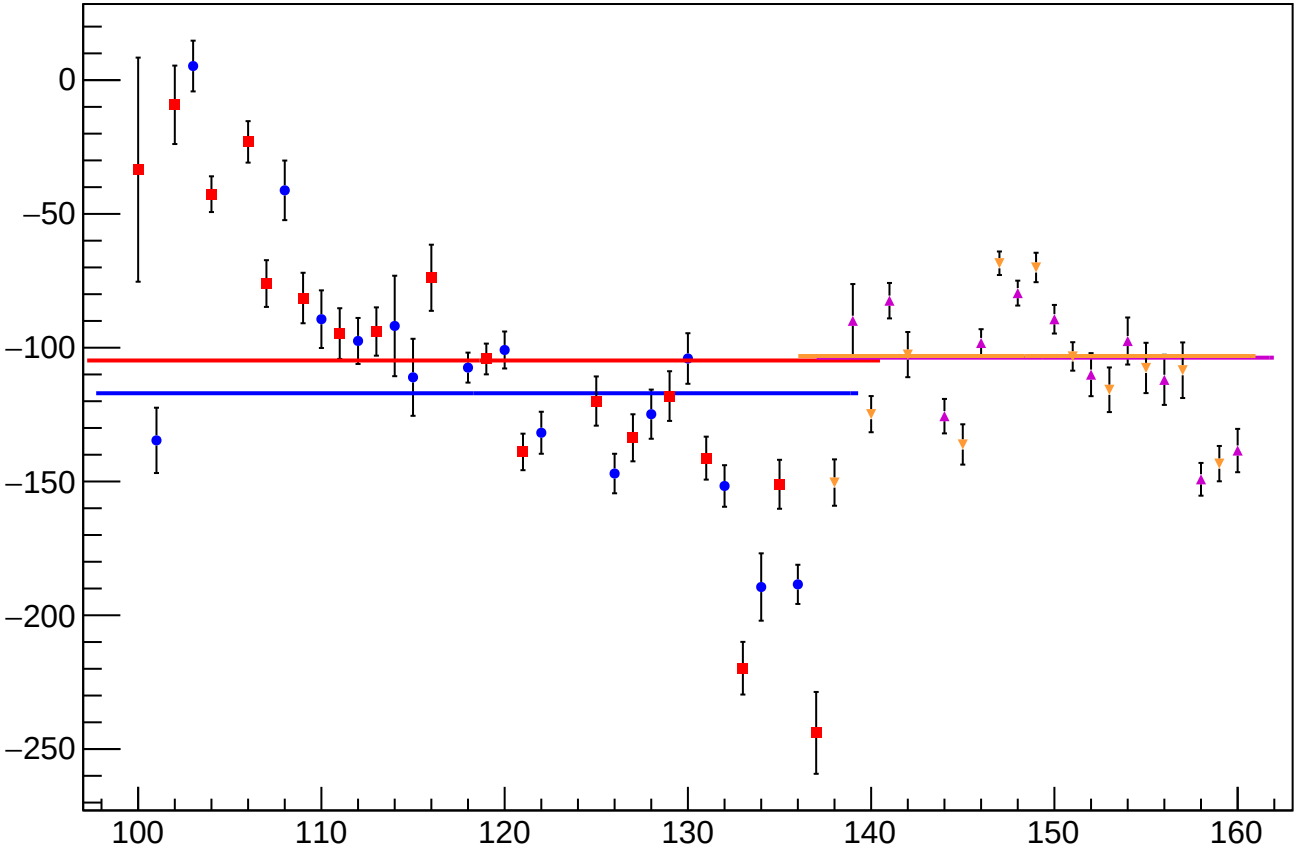
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -427.281+/-1.580 χ^2/NDF:3552.6/26

Out: -393.954+/-1.532 χ^2/NDF:7049.0/28

All: -410.101+/-1.100 χ^2/NDF: 10831.0/55

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: -103.725+/-1.989 χ^2/NDF:133.5/10

Left: -103.419+/-1.417 χ^2/NDF: 331.2/21

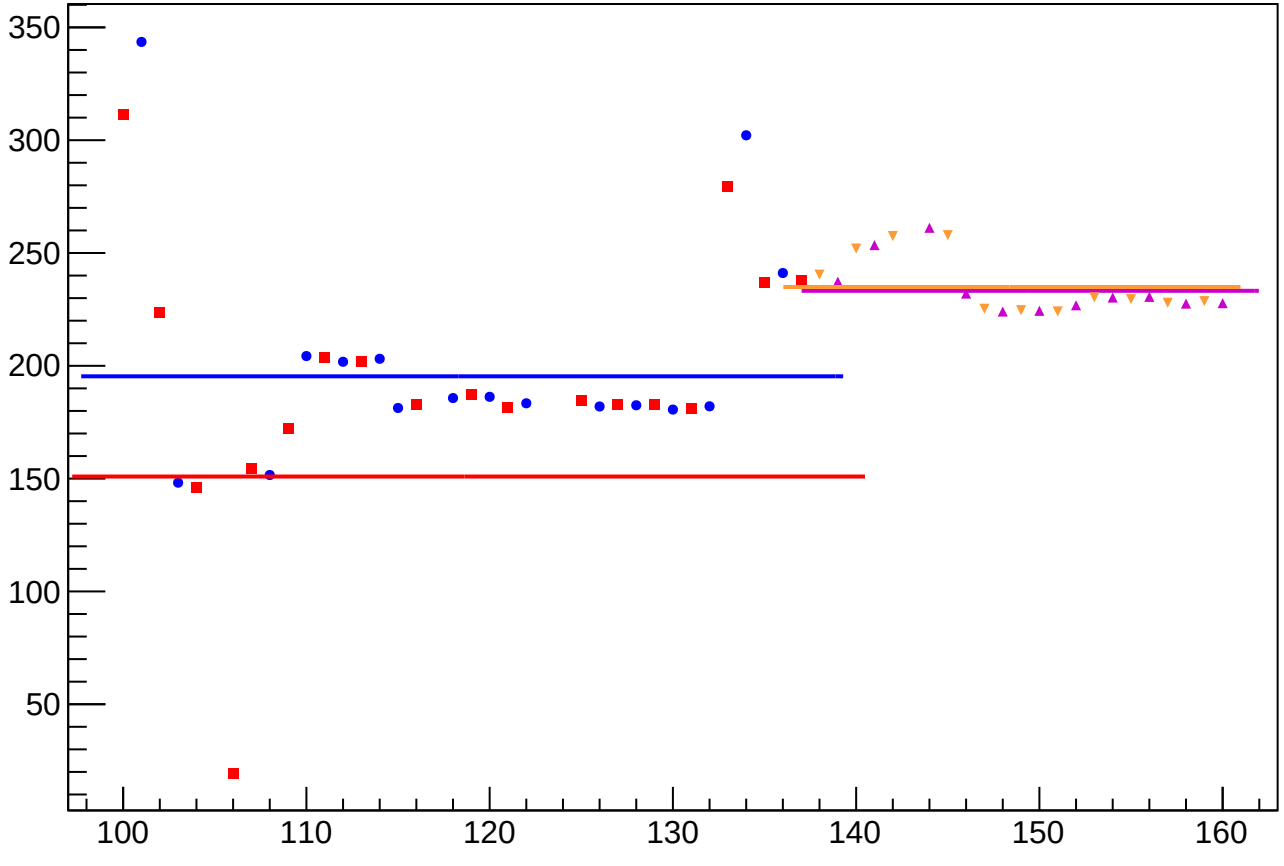
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -109.722+/-1.474 χ^2/NDF:561.5/26

Out: -103.913+/-1.453 χ^2/NDF:773.1/28

All: -106.776+/-1.035 χ^2/NDF: 1342.5/55

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: 233.242+/-0.094 χ^2/NDF:14251.3/10

Left: 234.044+/-0.068 χ^2/NDF: 30116.3/21

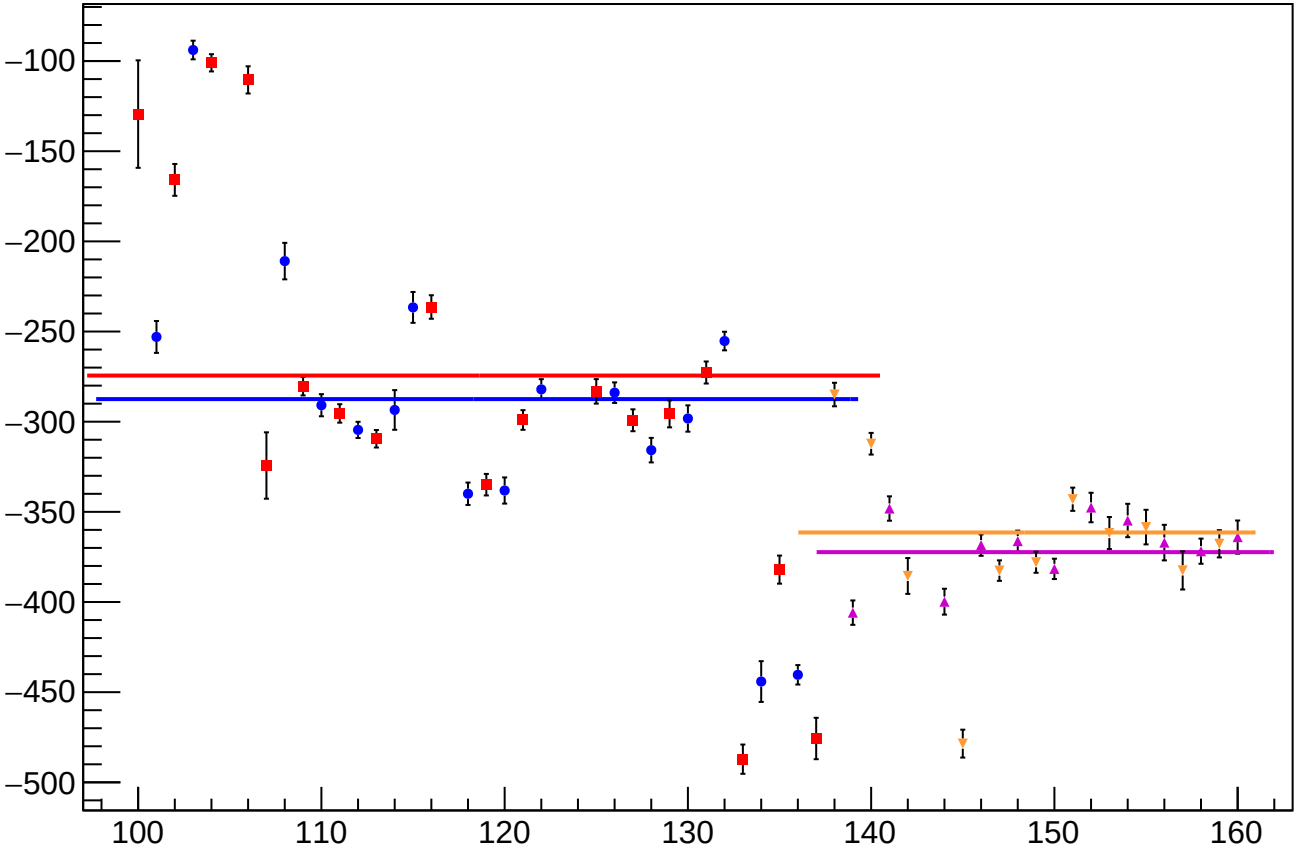
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.532+/-0.075 χ^2/NDF:250215.6/26

Out: 197.643+/-0.073 χ^2/NDF:838209.9/28

All: 208.357+/-0.052 χ^2/NDF: 1131951.8/55

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: -372.339+/-2.123 χ^2/NDF:70.2/10

Left: -367.007+/-1.518 χ^2/NDF: 557.5/21

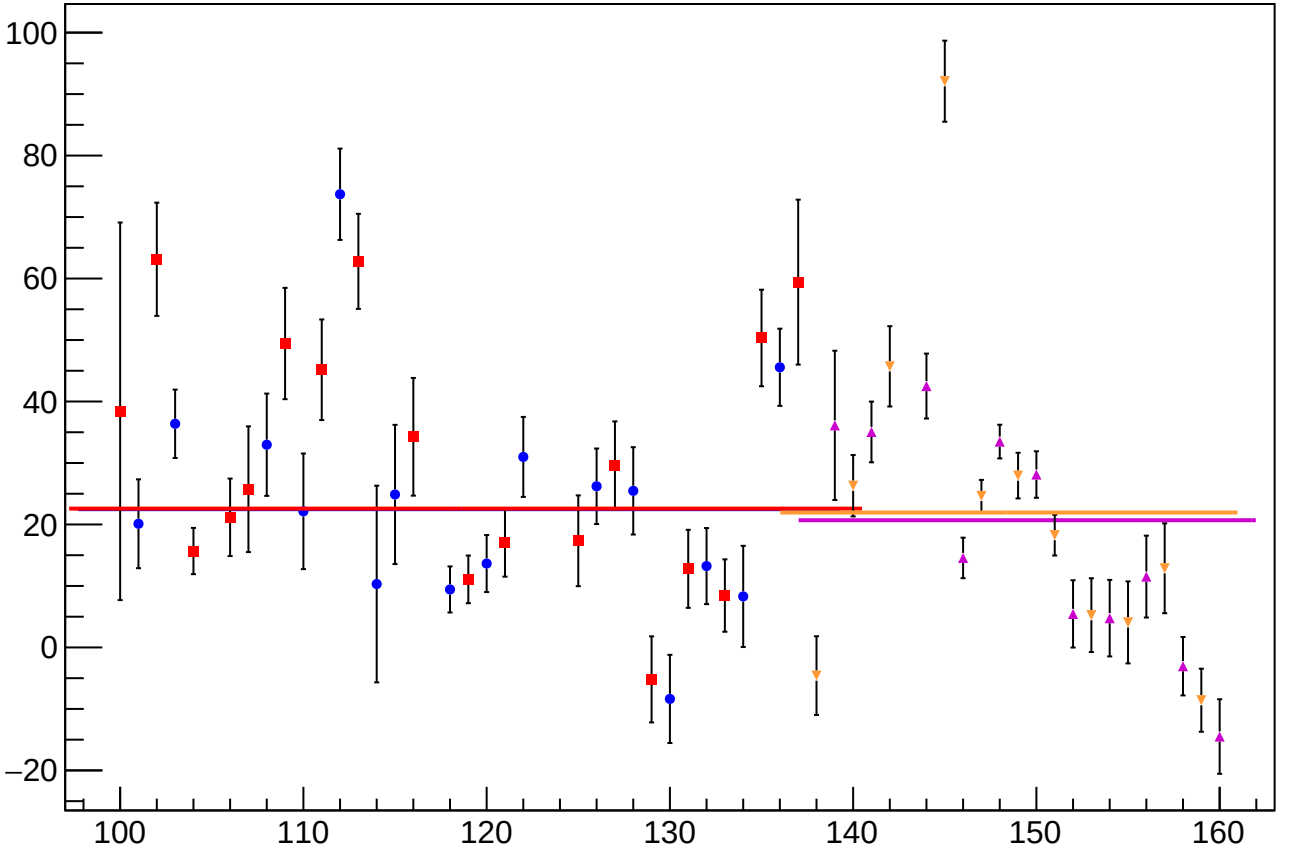
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -318.484+/-1.284 χ^2/NDF:3780.3/26

Out: -303.847+/-1.262 χ^2/NDF:4951.9/28

All: -311.042+/-0.900 χ^2/NDF: 8798.3/55

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 20.689+/-1.371 χ^2/NDF:131.1/10

Left: 21.314+/-0.971 χ^2/NDF: 332.7/21

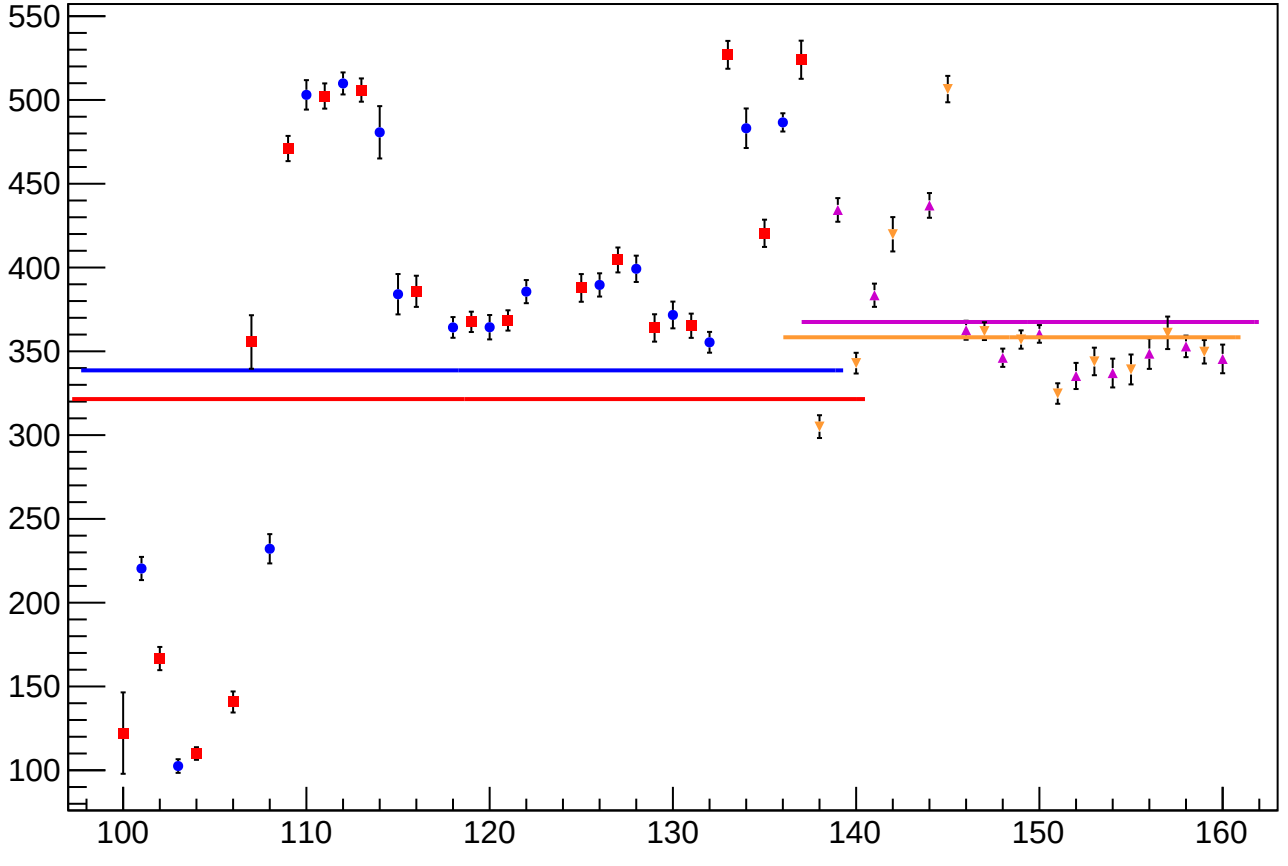
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 21.441+/-1.047 χ^2/NDF:243.2/26

Out: 22.220+/-1.035 χ^2/NDF:324.7/28

All: 21.835+/-0.736 χ^2/NDF: 568.2/55

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 358.382+/-2.096 χ^2/NDF:497.2/10

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 367.501+/-2.041 χ^2/NDF:247.5/10

Left: 363.061+/-1.462 χ^2/NDF: 754.4/21

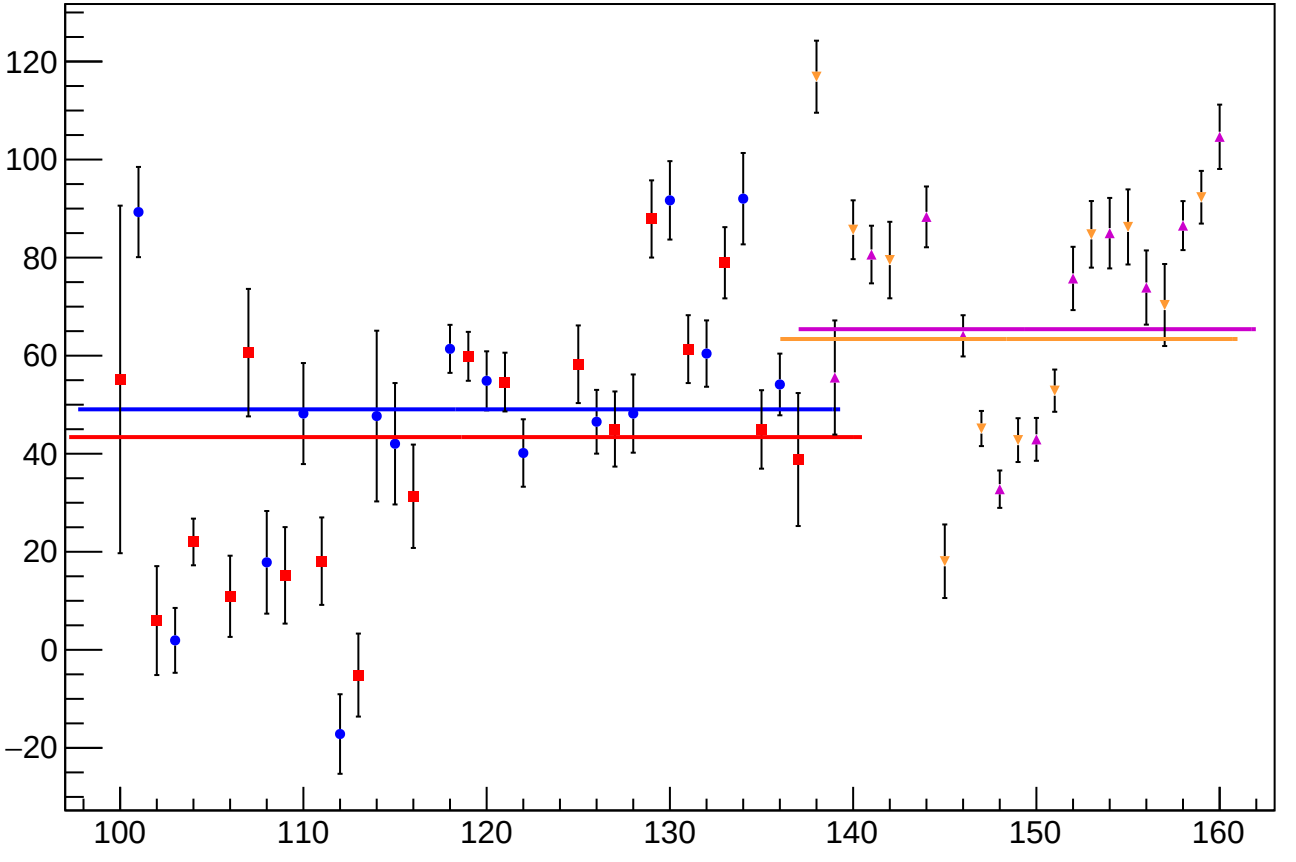
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.847+/-1.328 χ^2/NDF:6405.5/26

Out: 336.076+/-1.318 χ^2/NDF:8405.3/28

All: 343.404+/-0.935 χ^2/NDF: 14873.2/55

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 65.404+/-1.657 χ^2/NDF:185.7/10

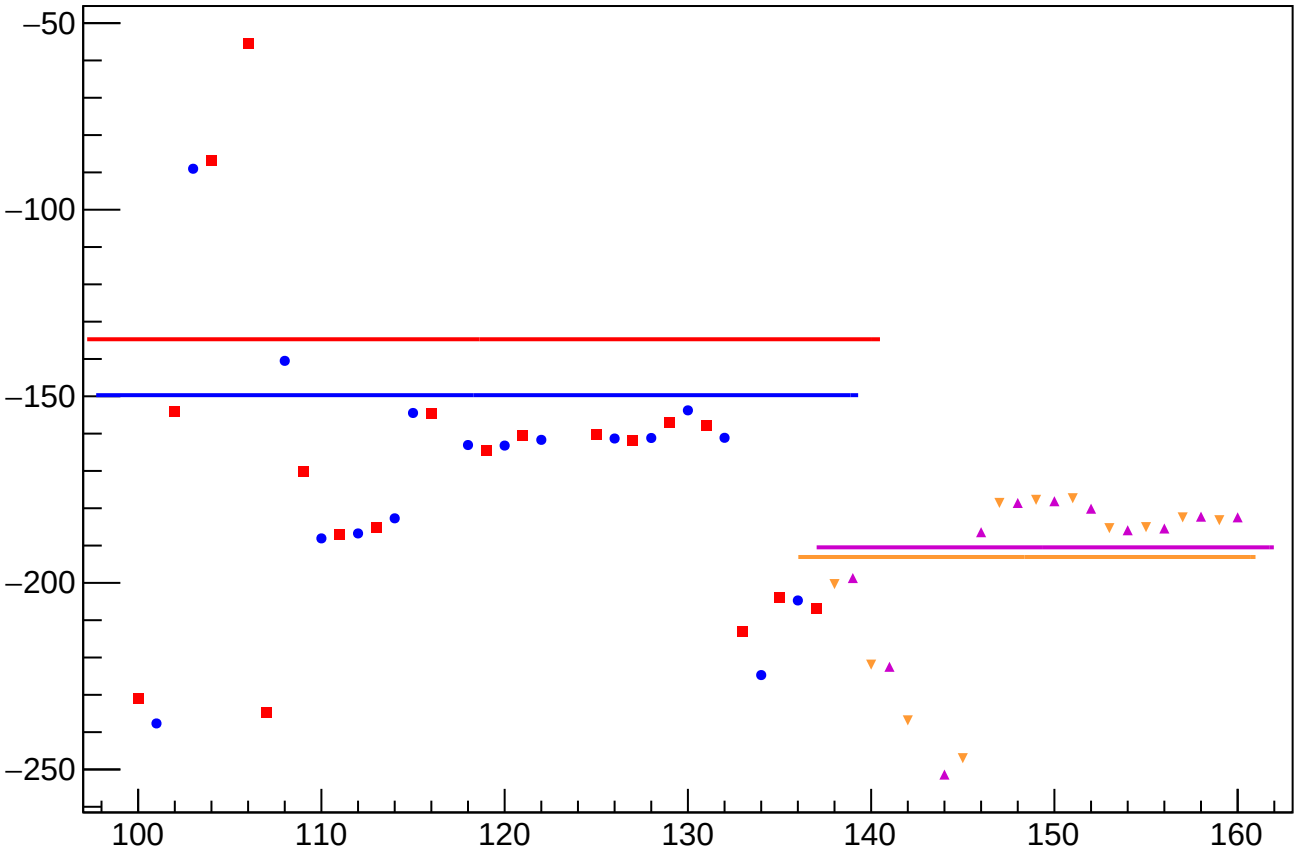
Left: 64.422+/-1.184 χ^2/NDF: 395.6/21

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 58.264+/-1.244 χ^2/NDF:436.2/26

Out: 54.207+/-1.243 χ^2/NDF:453.5/28

All: 56.234+/-0.879 χ^2/NDF: 895.0/55



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: -190.475+/-0.078 χ^2/NDF:57981.1/10

Left: -191.699+/-0.057 χ^2/NDF: 127497.2/21

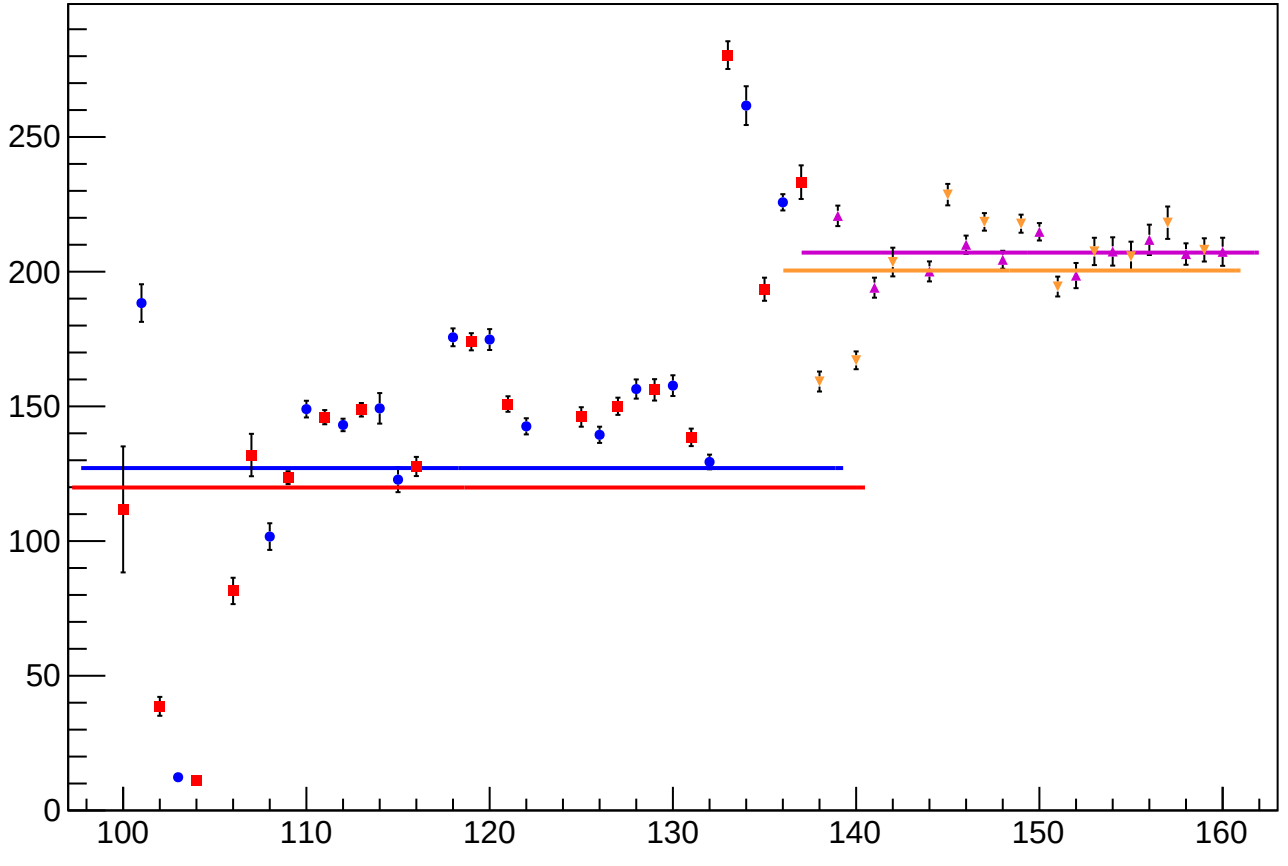
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.171+/-0.062 χ^2/NDF:416640.7/26

Out: -168.568+/-0.063 χ^2/NDF:591590.0/28

All: -171.927+/-0.044 χ^2/NDF: 1013846.5/55

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: 207.082+/-1.195 χ^2/NDF:39.8/10

Left: 203.822+/-0.853 χ^2/NDF: 405.8/21

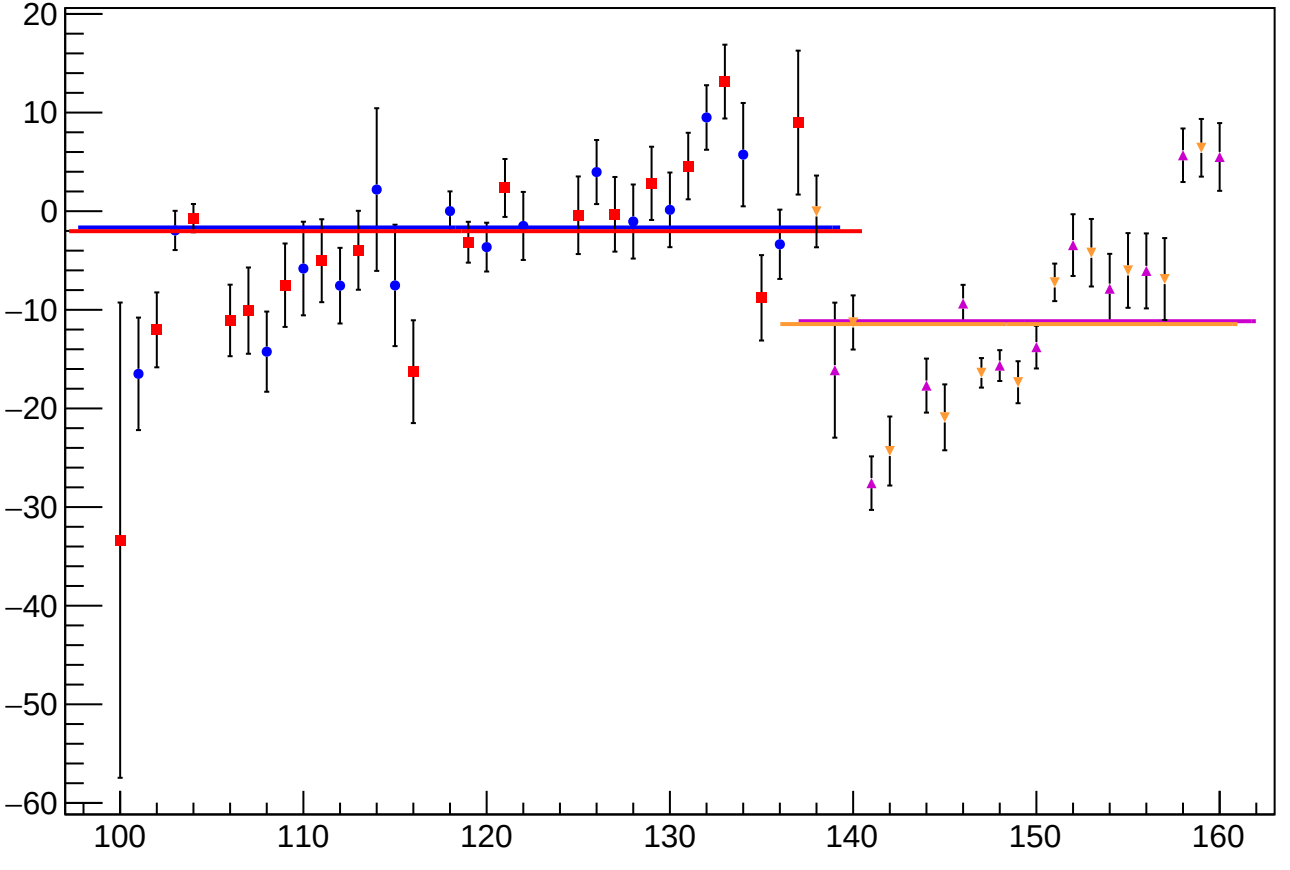
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.318+/-0.671 χ^2/NDF:9271.0/26

Out: 143.052+/-0.653 χ^2/NDF:10113.3/28

All: 147.563+/-0.468 χ^2/NDF: 19482.2/55

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: -11.155+/-0.775 χ^2/NDF:124.1/10

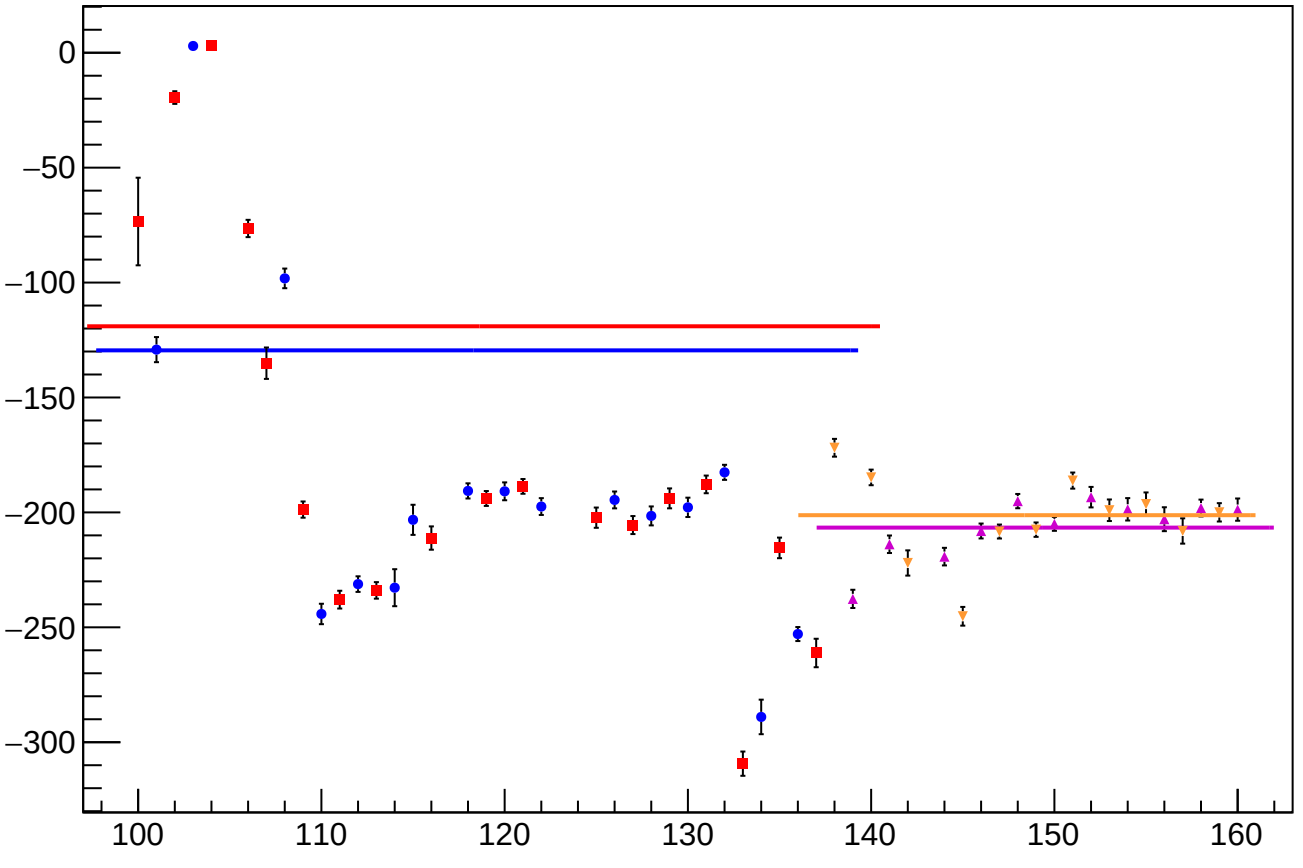
Left: -11.300+/-0.549 χ^2/NDF: 224.2/21

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -6.743+/-0.567 χ^2/NDF:233.0/26

Out: -6.690+/-0.547 χ^2/NDF:232.6/28

All: -6.715+/-0.394 χ^2/NDF: 465.6/55



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: -206.618+/-1.151 χ^2/NDF:109.9/10

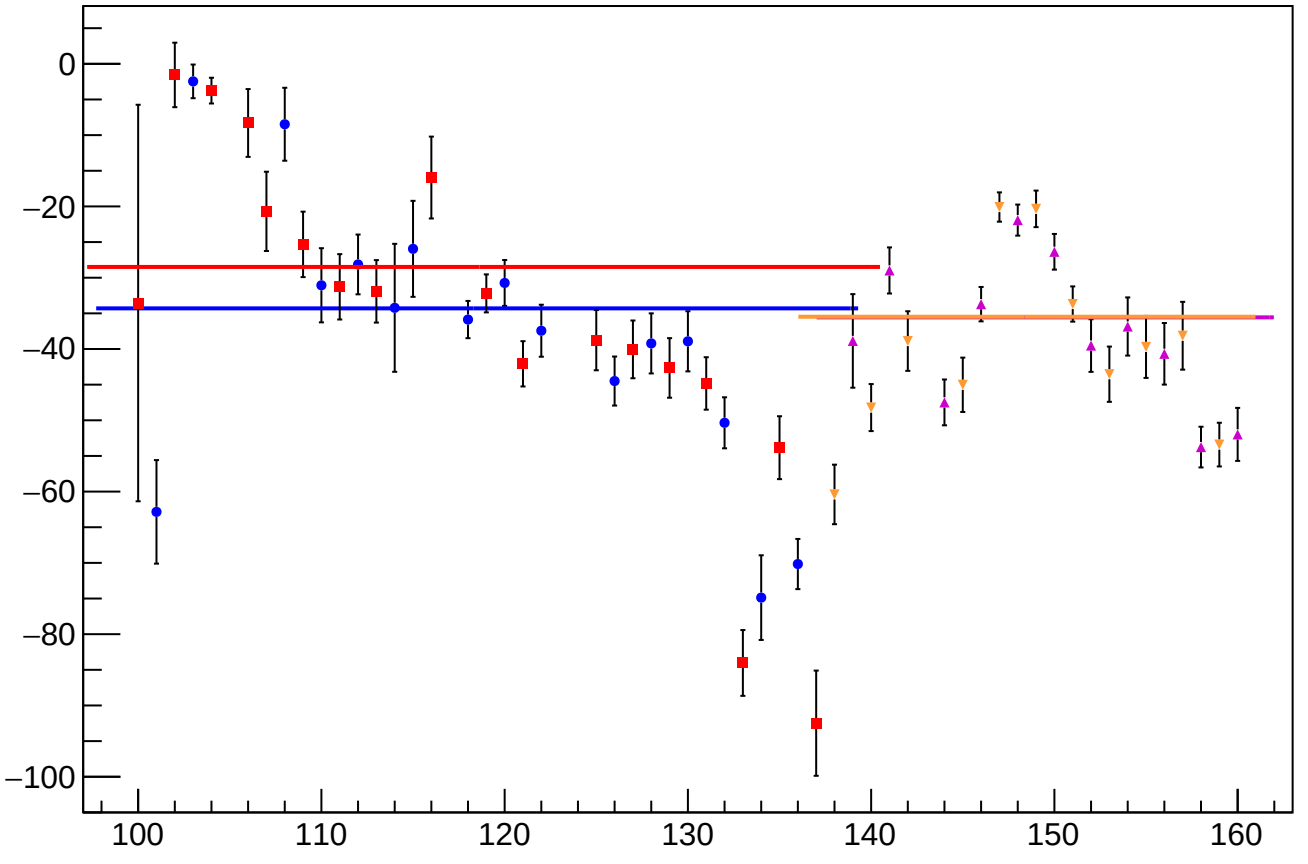
Left: -203.983+/-0.824 χ^2/NDF: 363.3/21

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.567+/-0.682 χ^2/NDF:17712.0/26

Out: -145.487+/-0.669 χ^2/NDF:19712.6/28

All: -150.924+/-0.478 χ^2/NDF: 37559.1/55



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: -35.562+/-0.936 χ^2/NDF:134.3/10

Left: -35.518+/-0.668 χ^2/NDF: 323.2/21

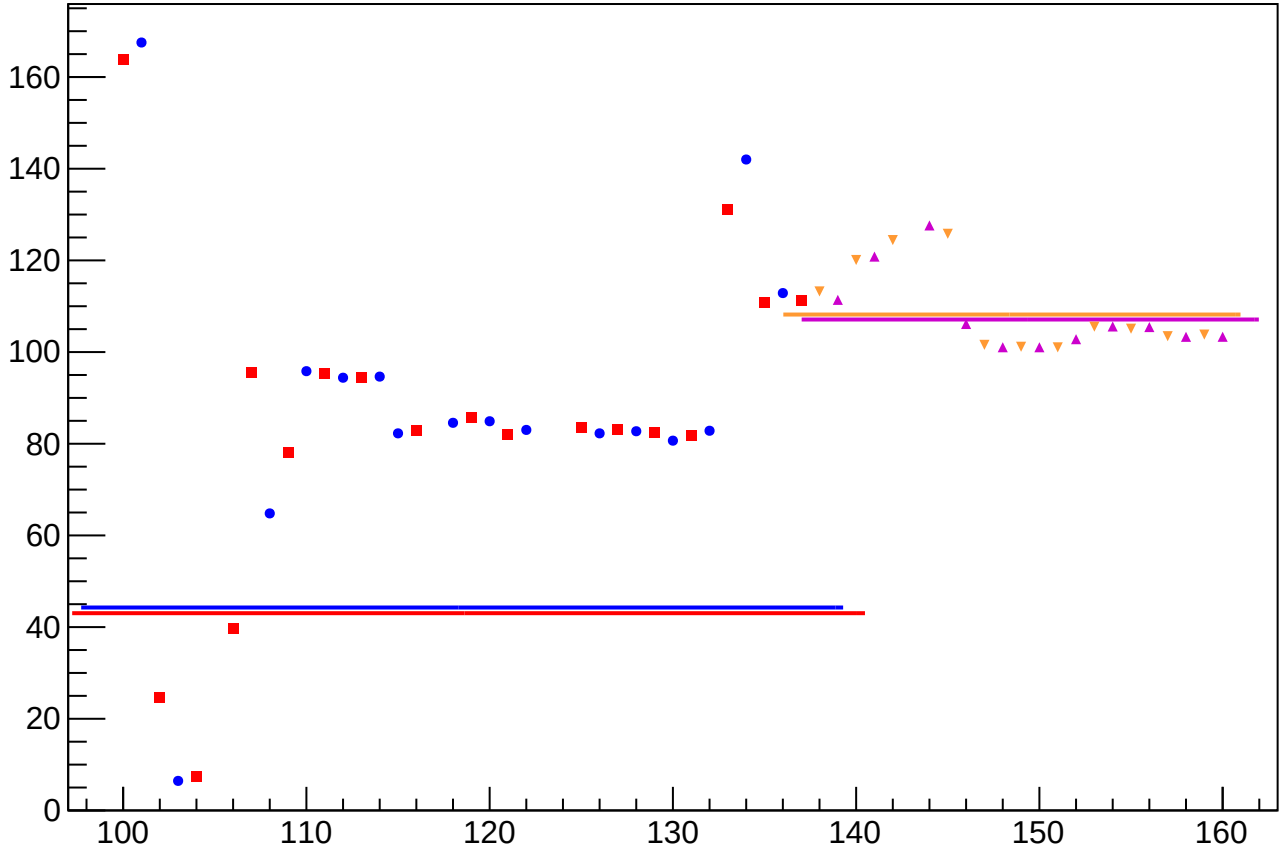
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.952+/-0.673 χ^2/NDF:546.5/26

Out: -31.803+/-0.657 χ^2/NDF:785.0/28

All: -33.341+/-0.470 χ^2/NDF: 1342.7/55

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: 107.101+/-0.044 χ^2/NDF:30031.5/10

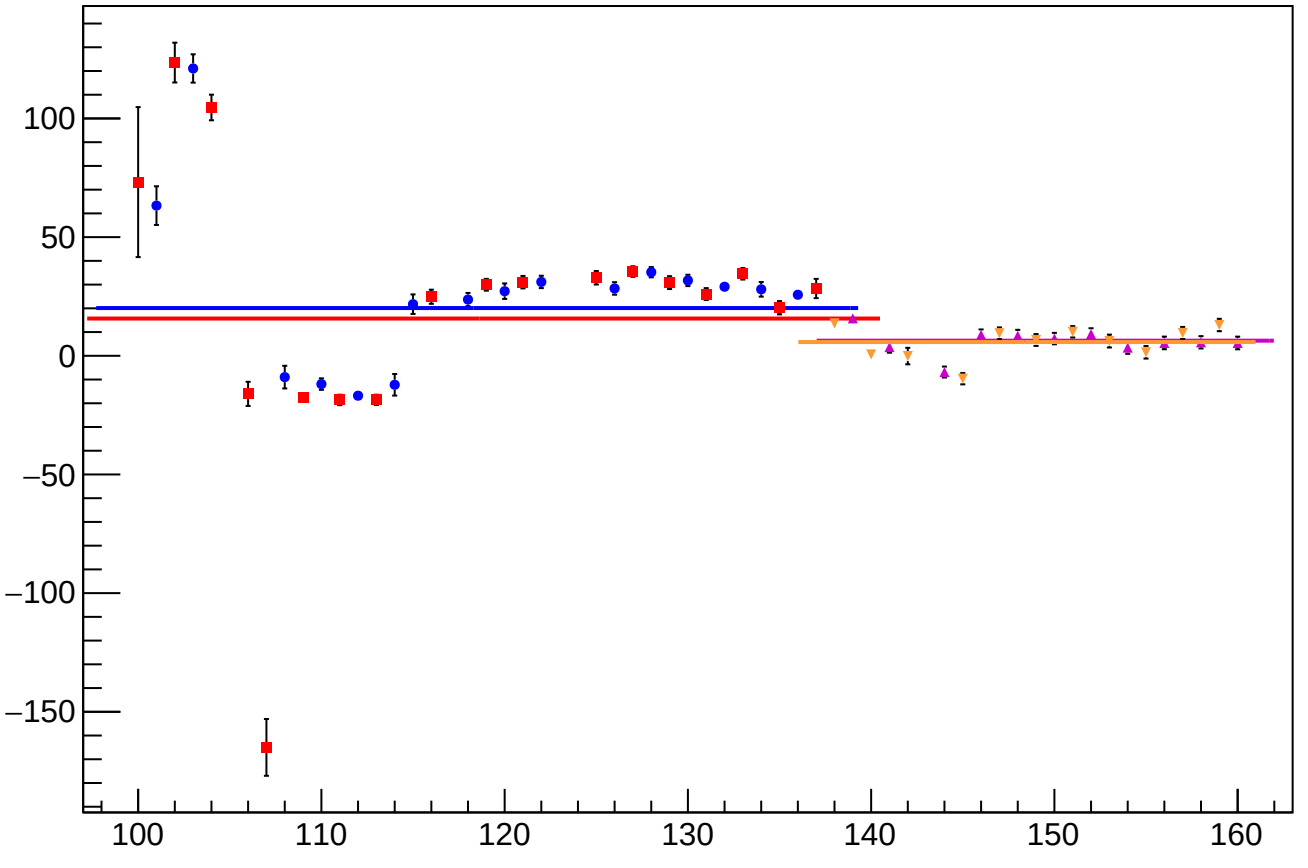
Left: 107.617+/-0.032 χ^2/NDF: 64807.5/21

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 76.243+/-0.031 χ^2/NDF:2109563.7/26

Out: 74.586+/-0.032 χ^2/NDF:1853125.5/28

All: 75.437+/-0.023 χ^2/NDF: 3964036.2/55



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: 6.370+/-0.728 χ^2/NDF:60.9/10

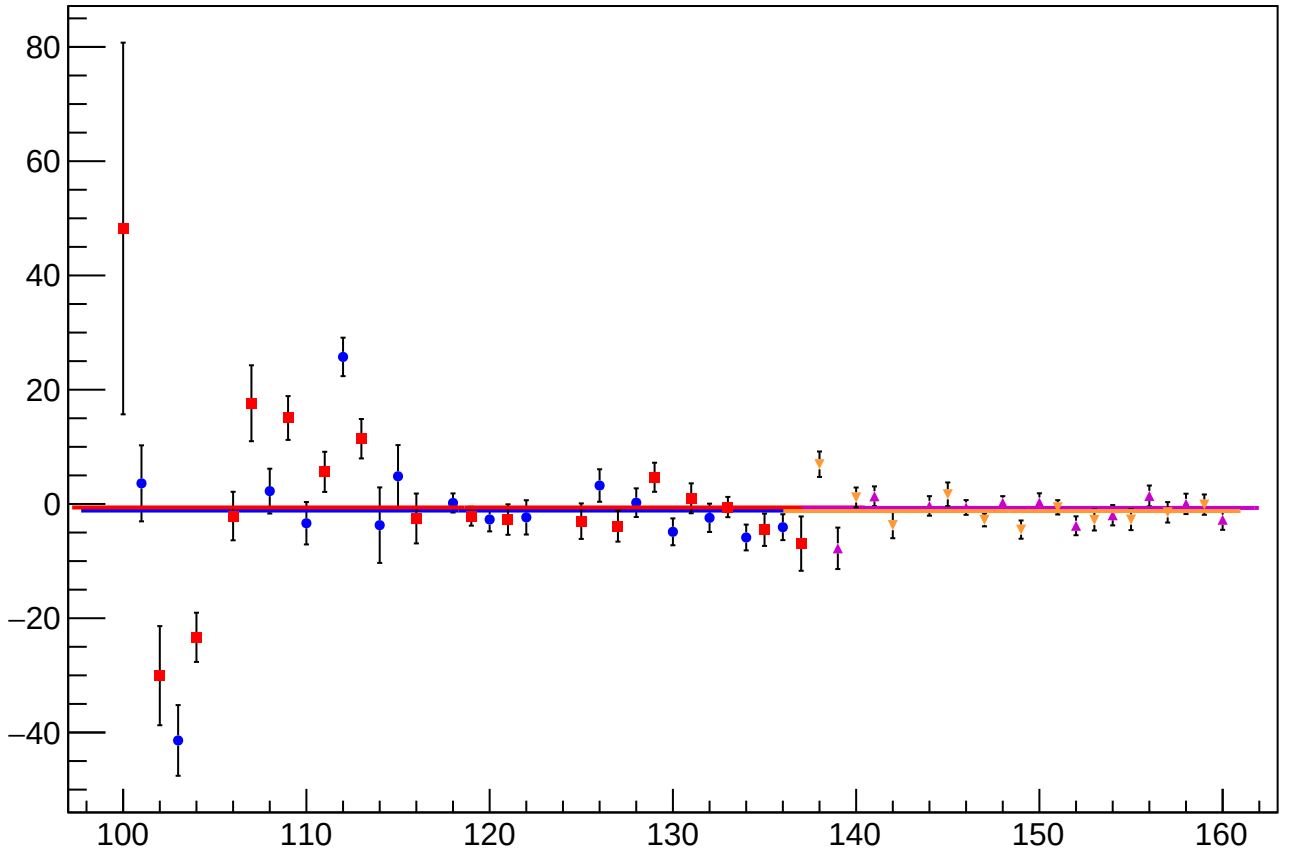
Left: 6.087+/-0.521 χ^2/NDF: 144.1/21

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.642+/-0.500 χ^2/NDF:1297.6/26

Out: 11.189+/-0.503 χ^2/NDF:1952.8/28

All: 12.425+/-0.355 χ^2/NDF: 3262.4/55



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: -0.697+/-0.495 χ^2/NDF:13.1/10

Left: -0.964+/-0.352 χ^2/NDF: 40.4/21

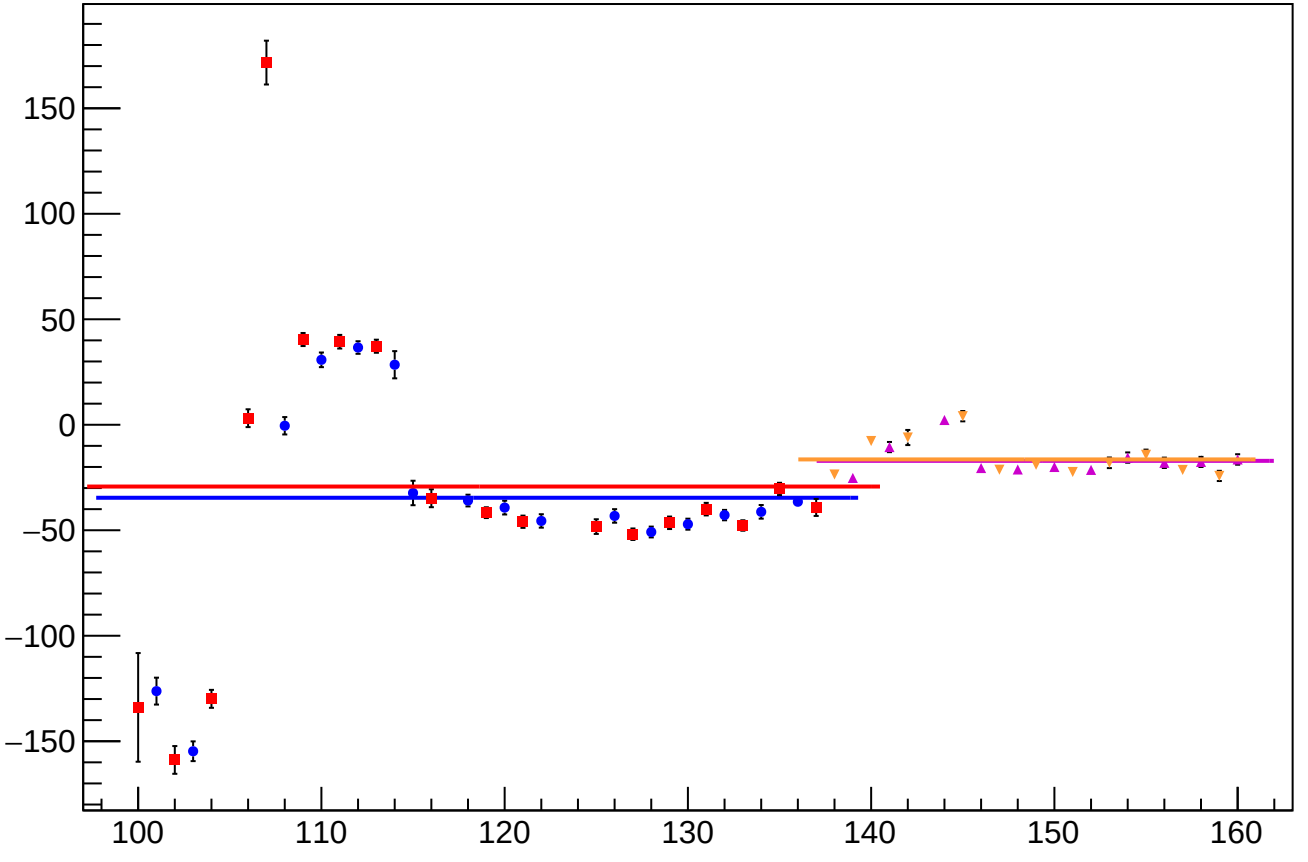
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.848+/-0.404 χ^2/NDF:135.2/26

Out: -1.032+/-0.410 χ^2/NDF:120.5/28

All: -0.939+/-0.288 χ^2/NDF: 255.9/55

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: -17.106+/-0.703 χ^2/NDF:100.0/10

Left: -16.775+/-0.504 χ^2/NDF: 235.4/21

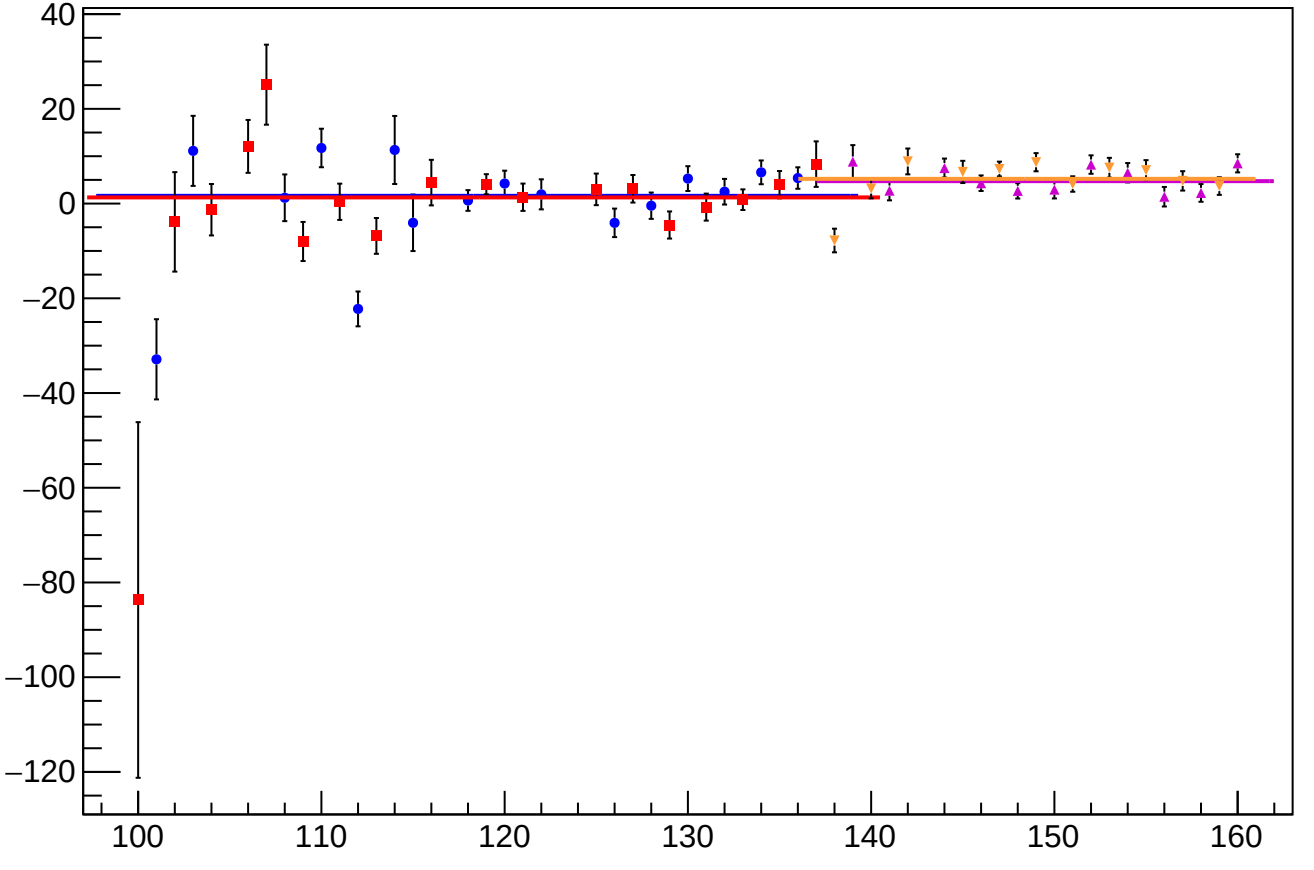
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.874+/-0.524 χ^2/NDF:2433.7/26

Out: -22.201+/-0.536 χ^2/NDF:3358.1/28

All: -23.568+/-0.375 χ^2/NDF: 5804.5/55

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: 4.735+/-0.587 χ^2/NDF:19.0/10

Left: 4.971+/-0.421 χ^2/NDF: 58.0/21

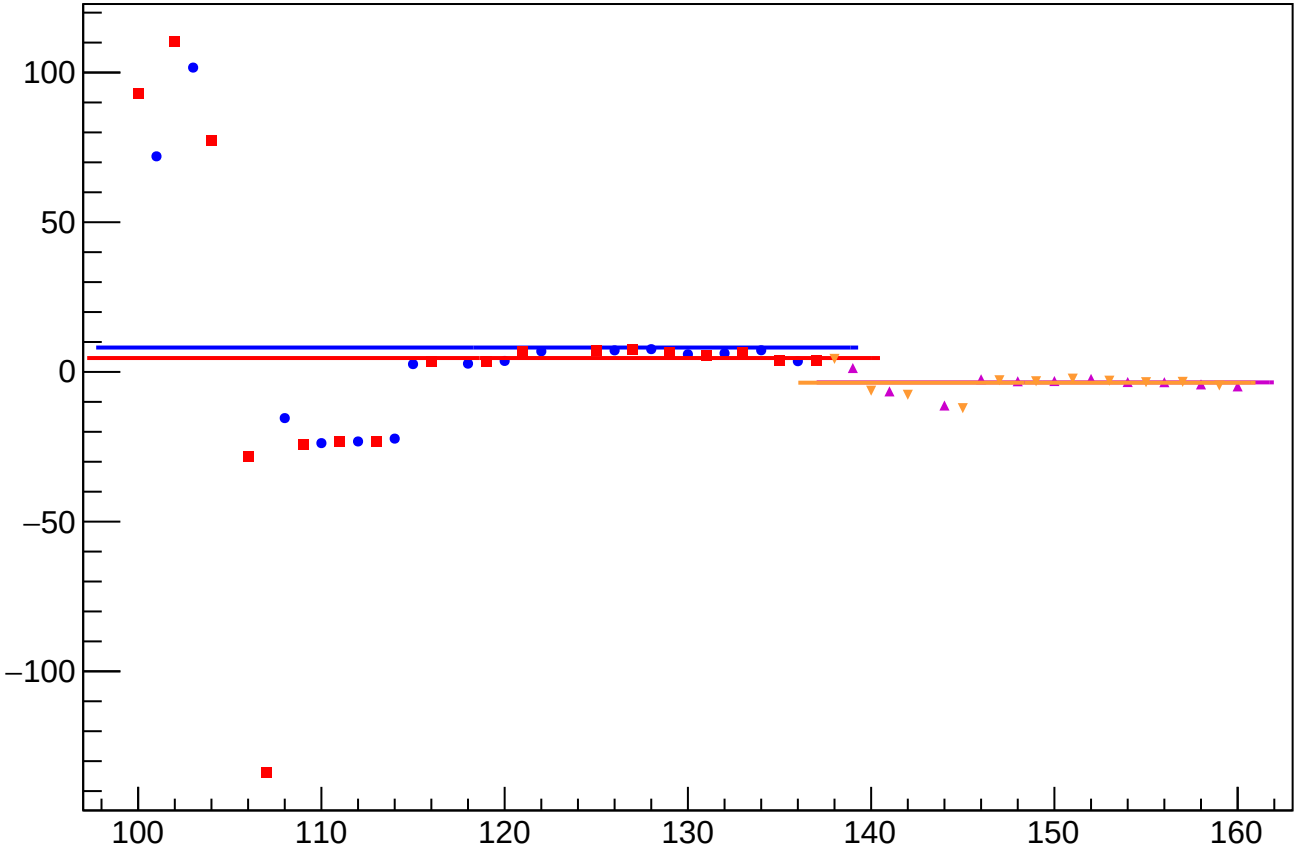
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.644+/-0.473 χ^2/NDF:112.1/26

Out: 3.836+/-0.485 χ^2/NDF:91.1/28

All: 3.737+/-0.338 χ^2/NDF: 203.4/55

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: -3.490+/-0.026 χ^2/NDF:11011.2/10

Left: -3.541+/-0.019 χ^2/NDF: 29521.0/21

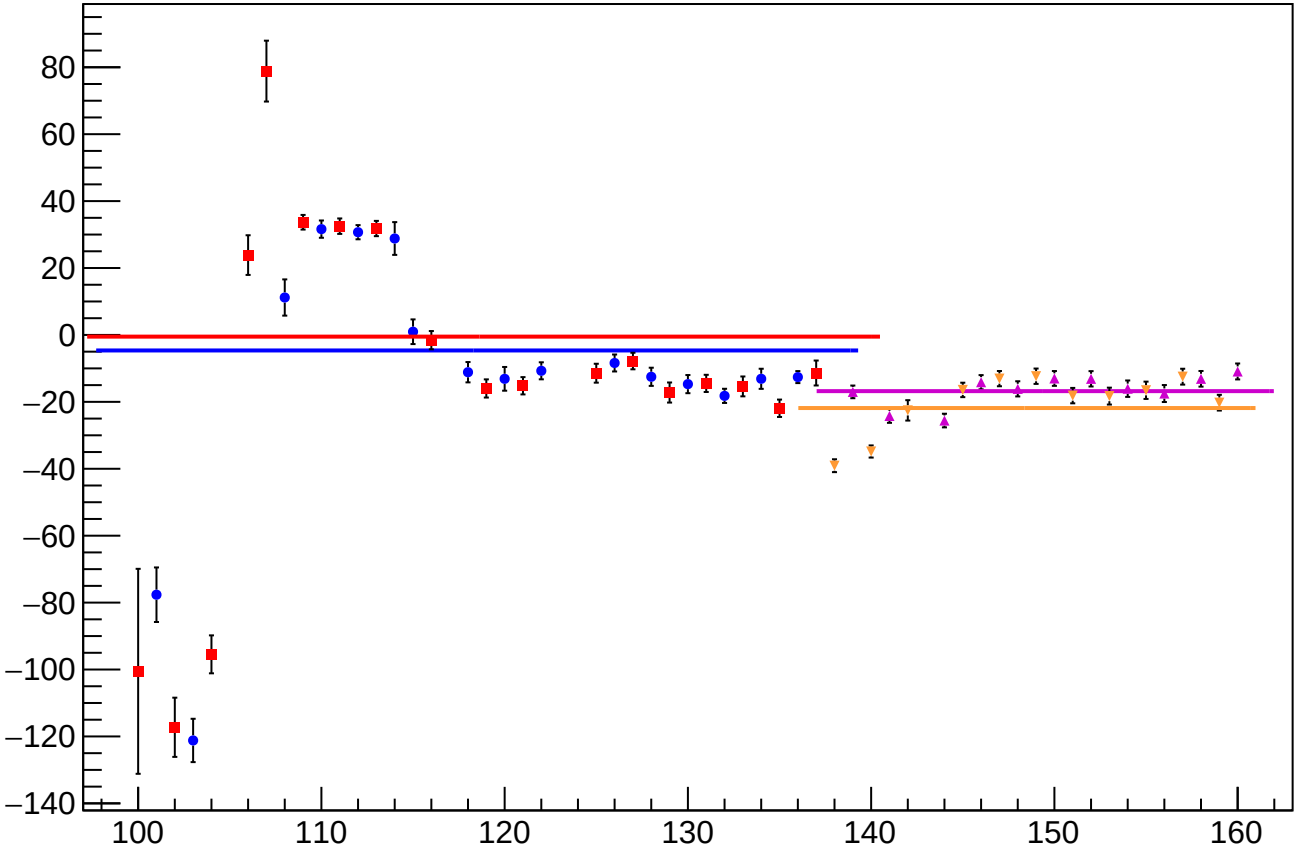
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.835+/-0.023 χ^2/NDF:369025.2/26

Out: -1.786+/-0.024 χ^2/NDF:485109.8/28

All: -1.288+/-0.017 χ^2/NDF: 854941.8/55

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -16.797+/-0.667 χ^2/NDF:47.4/10

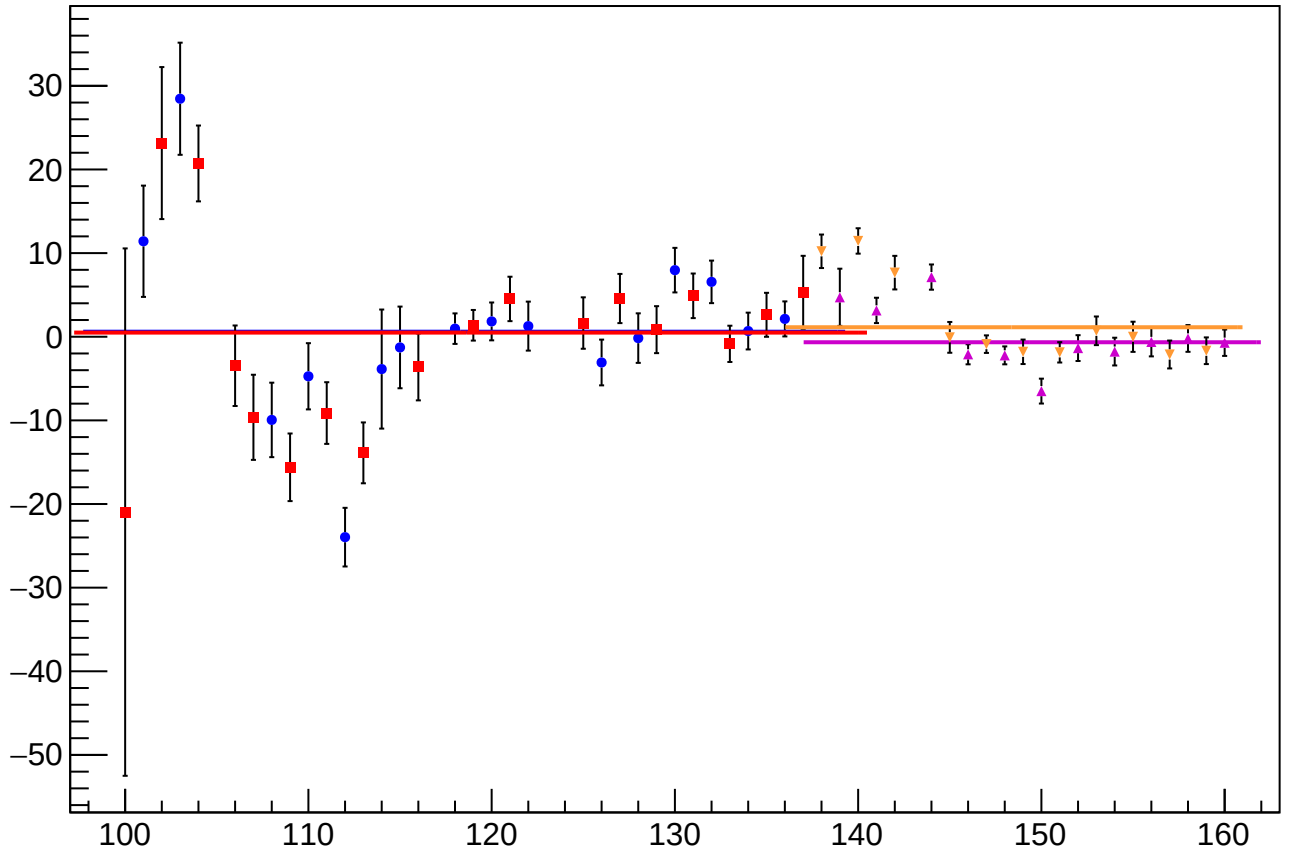
Left: -19.257+/-0.478 χ^2/NDF: 270.1/21

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

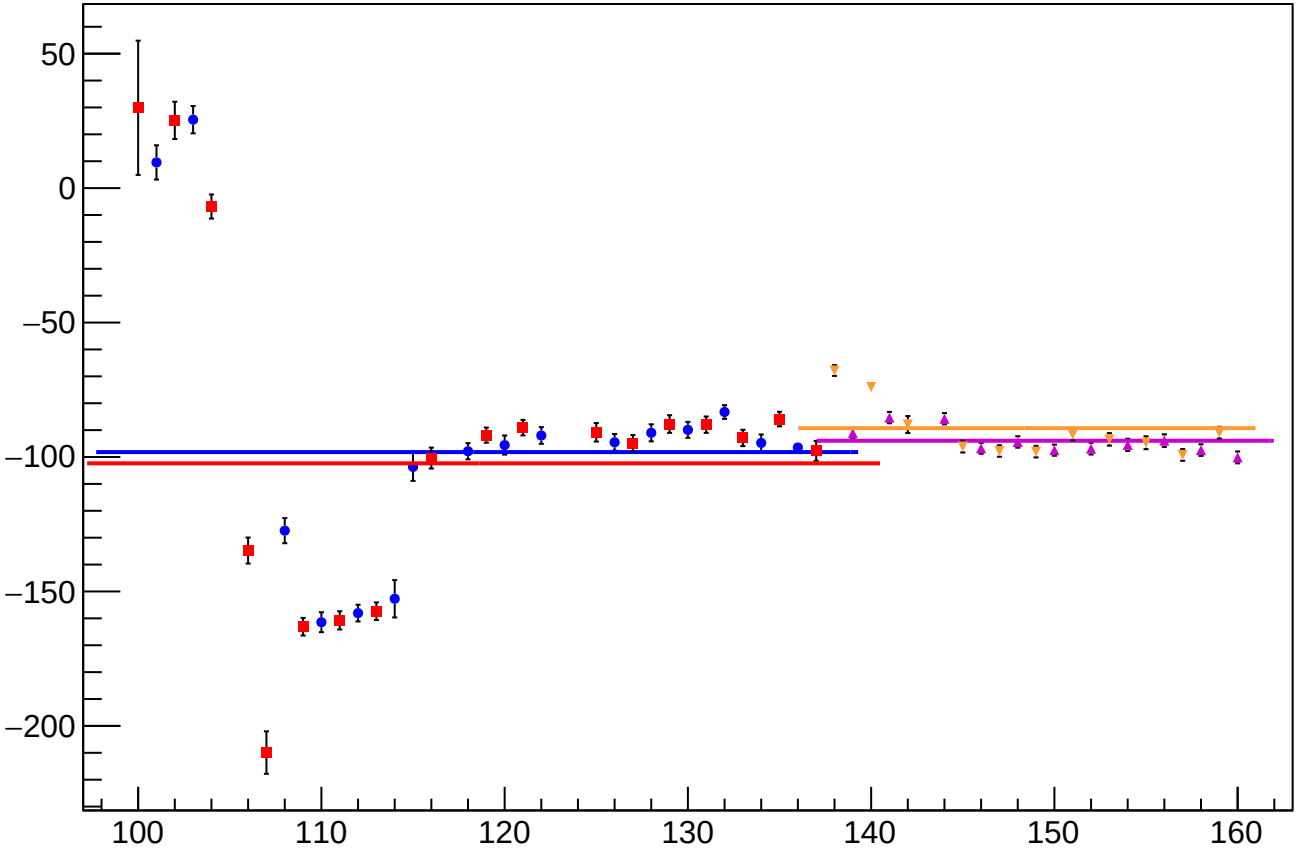
In: -11.108+/-0.487 χ^2/NDF:1249.0/26

Out: -11.575+/-0.493 χ^2/NDF:2120.1/28

All: -11.338+/-0.346 χ^2/NDF: 3369.5/55


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
Right In: 0.602+/-0.727 χ²/NDF: 92.9/15
Left Out: 1.135+/-0.462 χ²/NDF:98.9/10
Right Out: 0.496+/-0.755 χ²/NDF: 80.2/17
Left In: -0.658+/-0.452 χ²/NDF:55.2/10
Left: 0.218+/-0.323 χ²/NDF: 161.9/21
Right: 0.551+/-0.524 χ²/NDF: 173.0/33
In: -0.307+/-0.384 χ²/NDF:150.3/26
Out: 0.961+/-0.394 χ²/NDF:179.6/28
All: 0.310+/-0.275 χ²/NDF: 335.2/55

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -93.950+/-0.644 χ^2/NDF:51.4/10

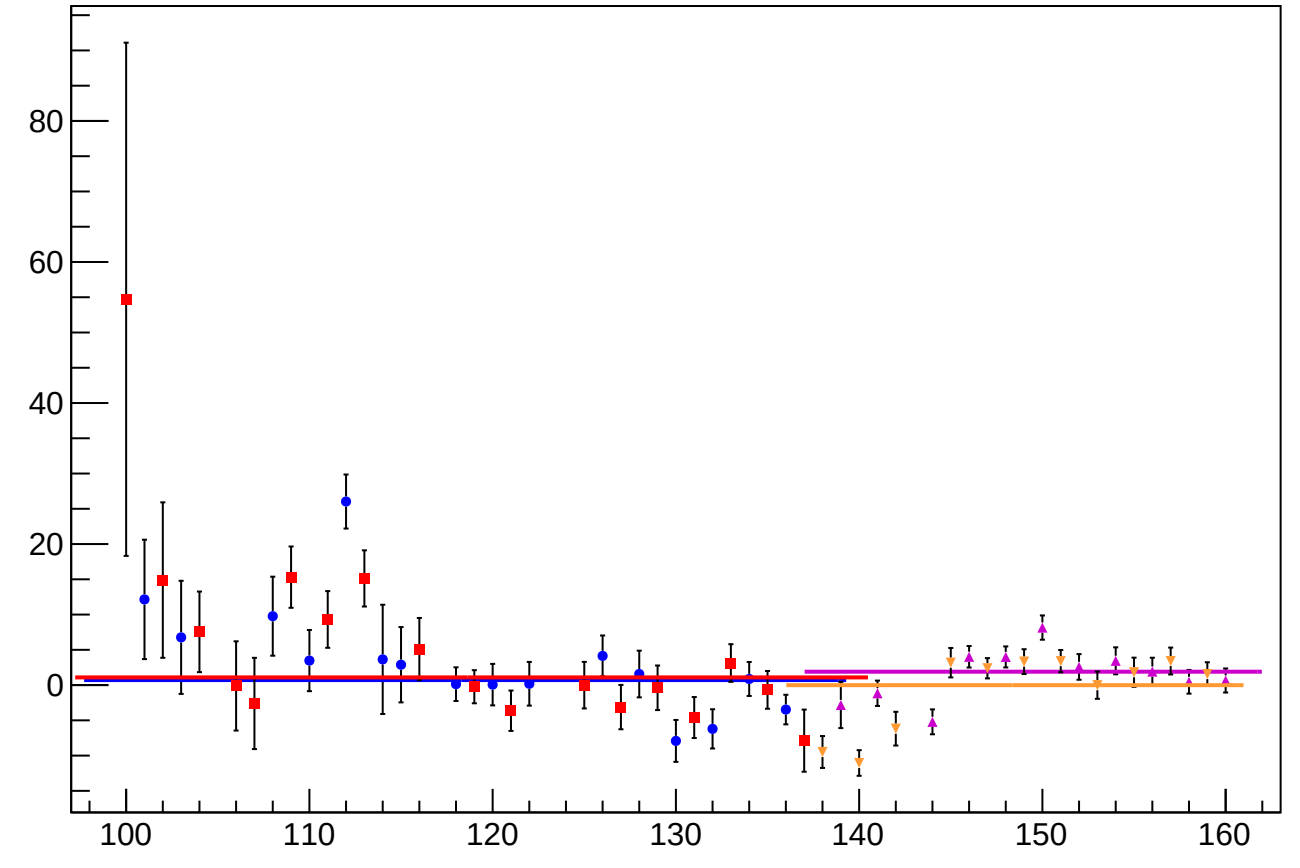
Left: -91.680+/-0.463 χ^2/NDF: 331.4/21

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.578+/-0.505 χ^2/NDF:1767.8/26

Out: -94.324+/-0.520 χ^2/NDF:2521.8/28

All: -94.970+/-0.362 χ^2/NDF: 4292.6/55



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: 1.898+/-0.536 χ^2/NDF:40.4/10

Left: 0.976+/-0.386 χ^2/NDF: 125.9/21

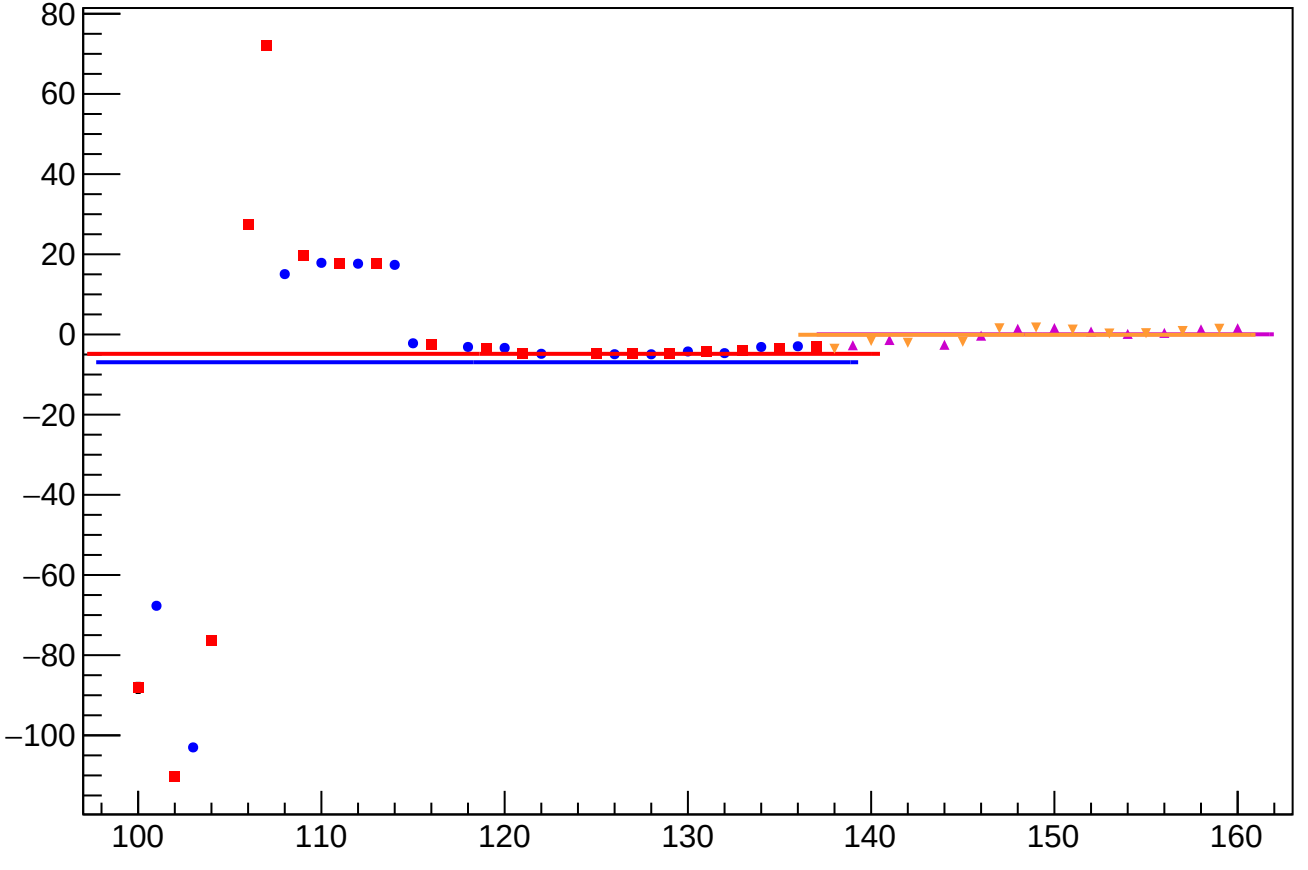
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.543+/-0.449 χ^2/NDF:111.5/26

Out: 0.313+/-0.466 χ^2/NDF:128.2/28

All: 0.951+/-0.323 χ^2/NDF: 243.2/55

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.075+/-0.025 χ^2/NDF:4471.3/10

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.037+/-0.024 χ^2/NDF:3916.1/10

Left: -0.016+/-0.018 χ^2/NDF: 8397.7/21

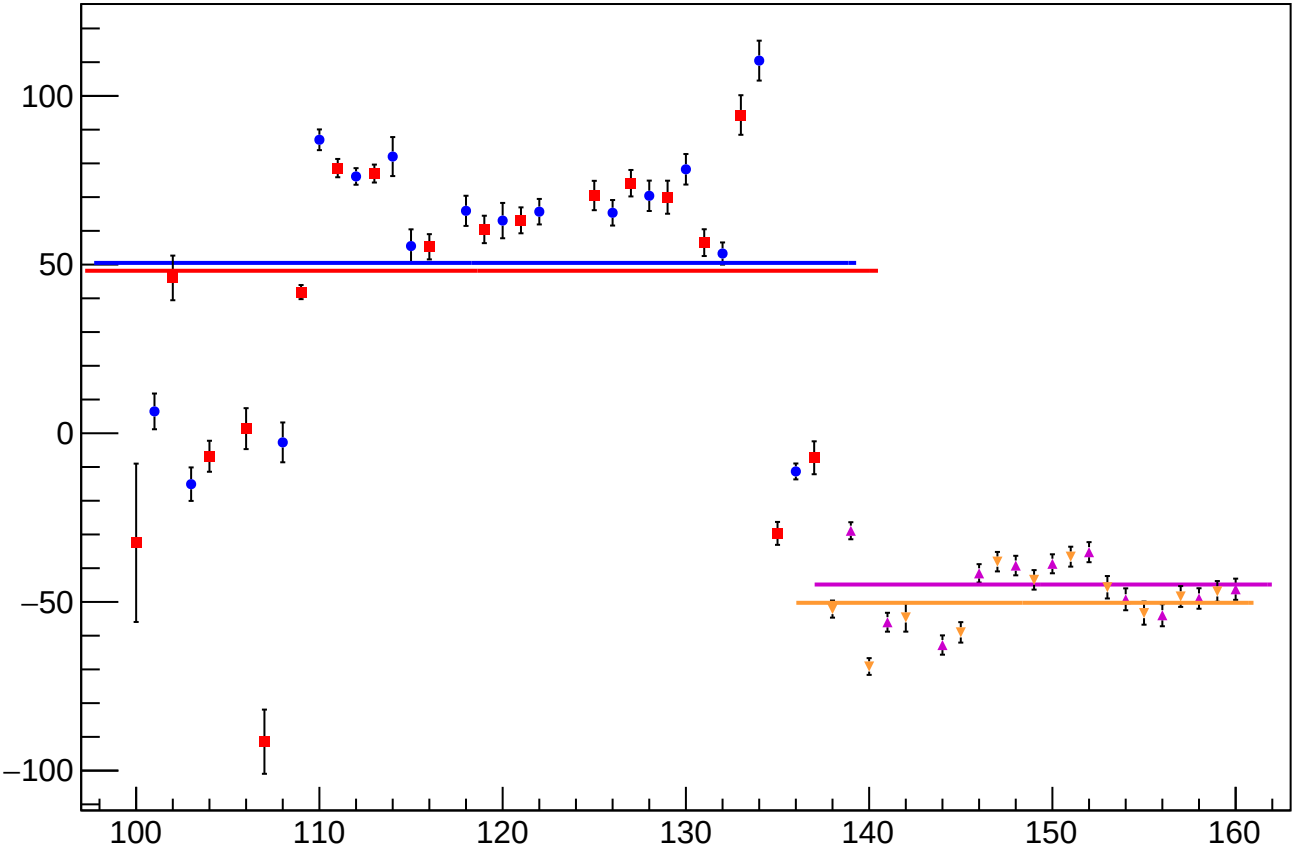
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.349+/-0.022 χ^2/NDF:285599.5/26

Out: -0.966+/-0.023 χ^2/NDF:350432.8/28

All: -1.168+/-0.016 χ^2/NDF: 636180.0/55

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: -44.836+/-0.877 χ^2/NDF:127.2/10

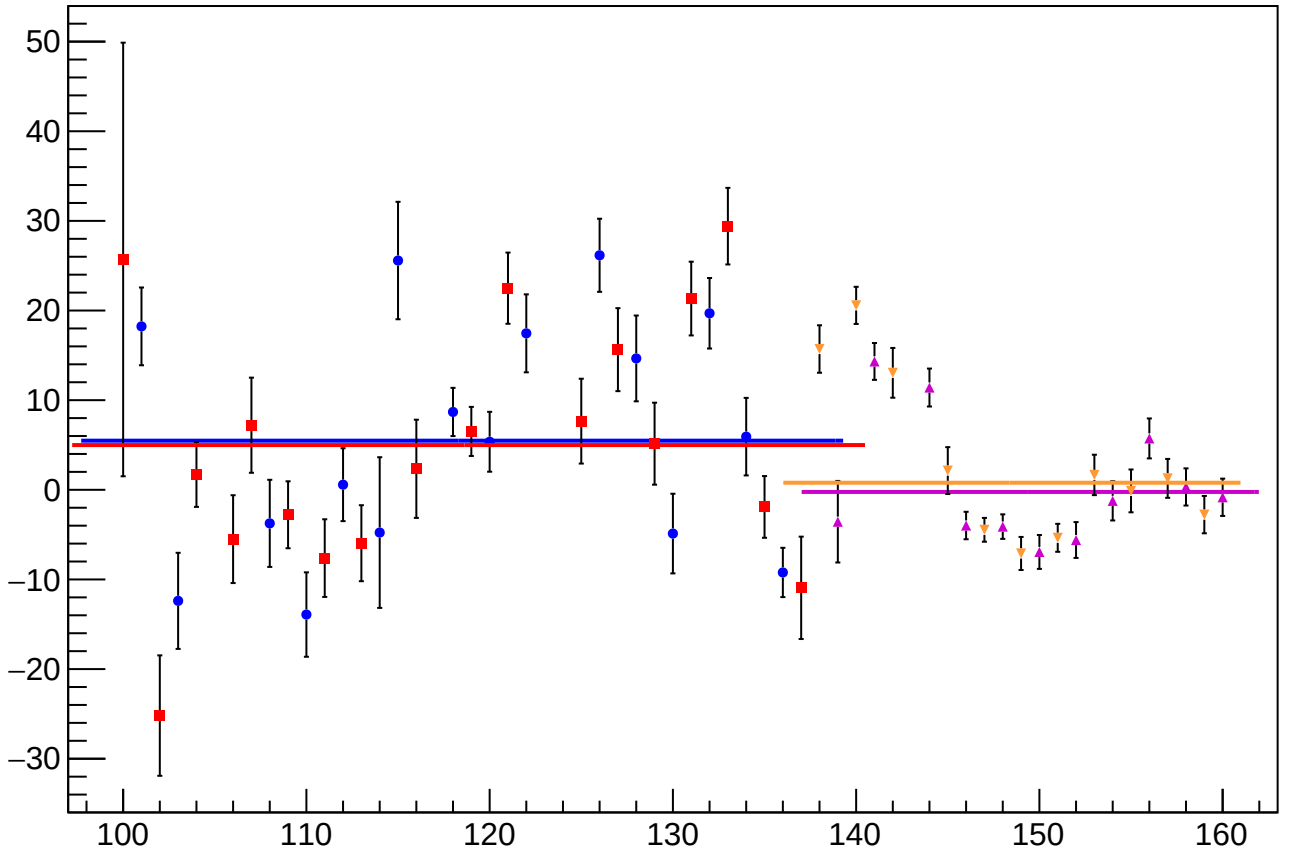
Left: -47.466+/-0.630 χ^2/NDF: 262.7/21

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -1.702+/-0.649 χ^2/NDF:6971.9/26

Out: -1.609+/-0.643 χ^2/NDF:7498.1/28

All: -1.655+/-0.457 χ^2/NDF: 14469.9/55



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: -0.238+/-0.590 χ^2/NDF:122.3/10

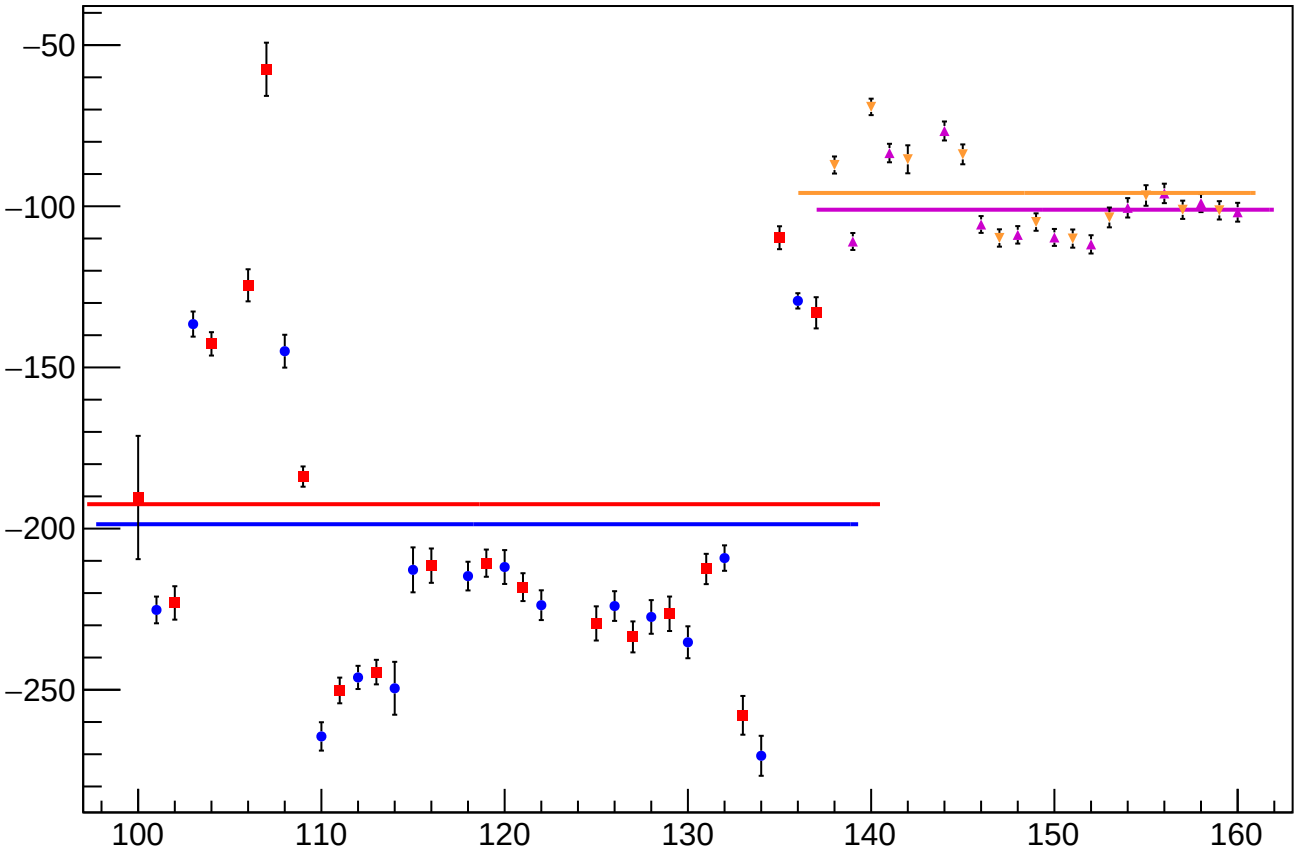
Left: 0.264+/-0.422 χ^2/NDF: 319.1/21

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.193+/-0.511 χ^2/NDF:283.9/26

Out: 1.878+/-0.520 χ^2/NDF:339.7/28

All: 1.529+/-0.365 χ^2/NDF: 624.5/55



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: -101.067+/-0.846 χ^2/NDF:160.1/10

Left: -98.553+/-0.608 χ^2/NDF: 395.9/21

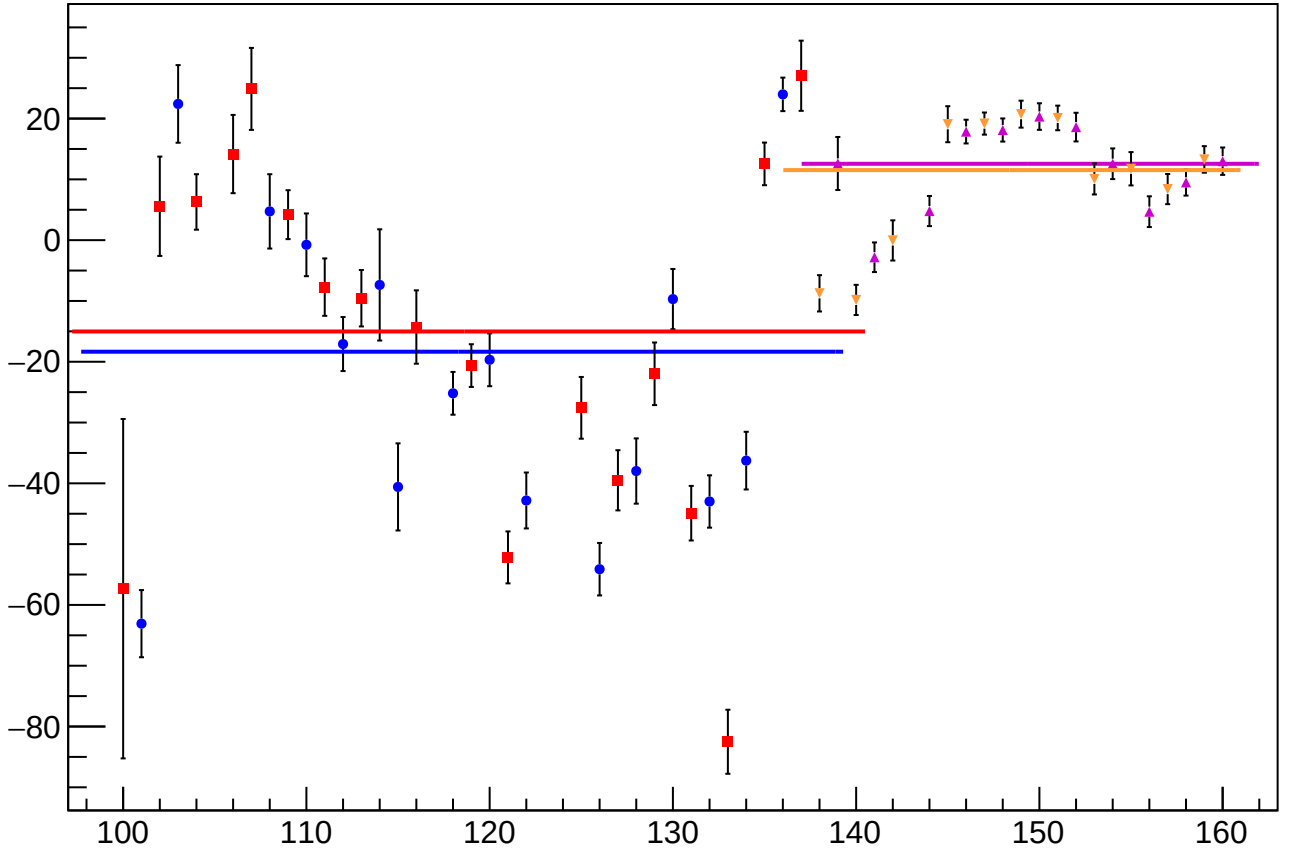
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -138.008+/-0.667 χ^2/NDF:7202.9/26

Out: -134.119+/-0.680 χ^2/NDF:7185.9/28

All: -136.101+/-0.476 χ^2/NDF: 14405.5/55

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.526+/-0.728 χ^2/NDF:194.3/10

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.562+/-0.701 χ^2/NDF:96.4/10

Left: 12.063+/-0.505 χ^2/NDF: 291.8/21

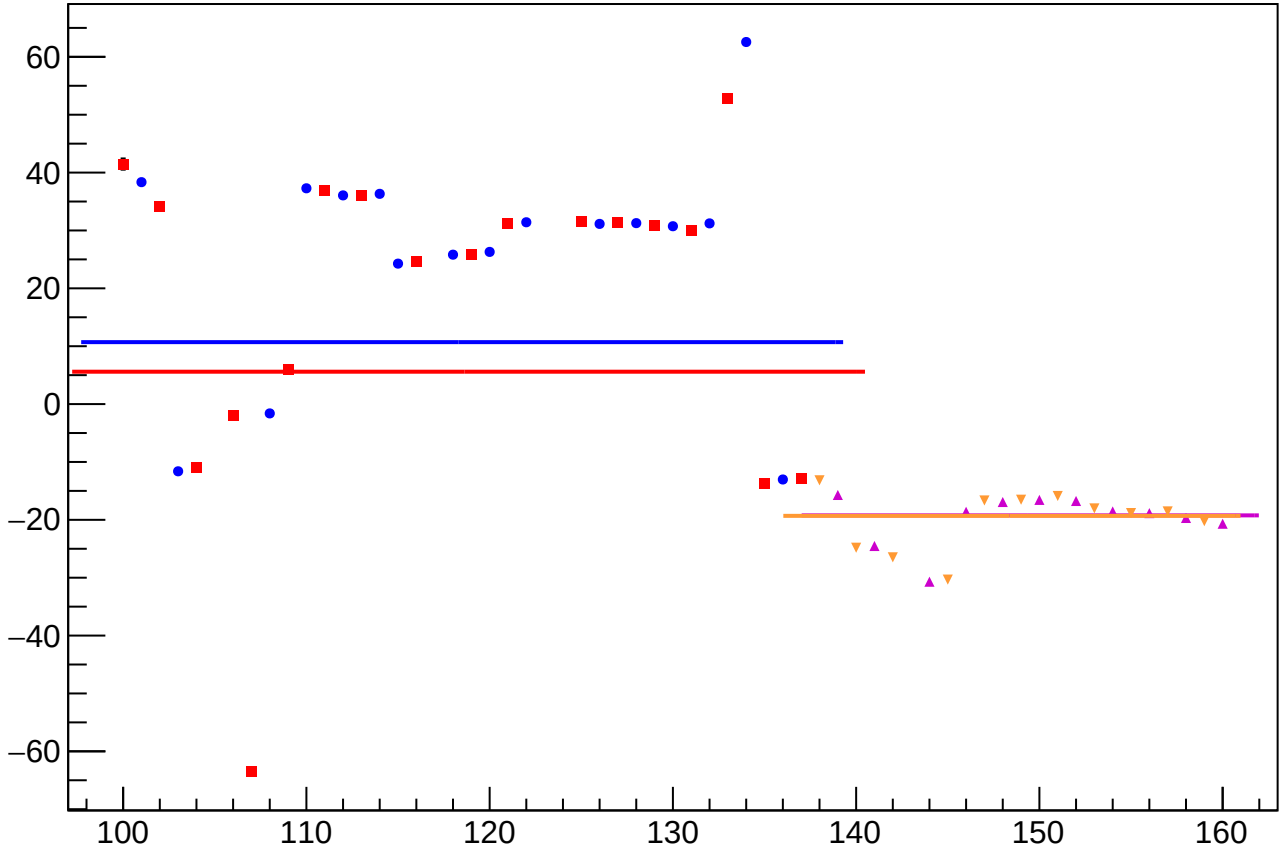
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 4.282+/-0.600 χ^2/NDF:1160.7/26

Out: 4.045+/-0.617 χ^2/NDF:1115.7/28

All: 4.167+/-0.430 χ^2/NDF: 2276.6/55

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: -19.230+/-0.032 χ^2/NDF:12990.6/10

Left: -19.269+/-0.023 χ^2/NDF: 31070.8/21

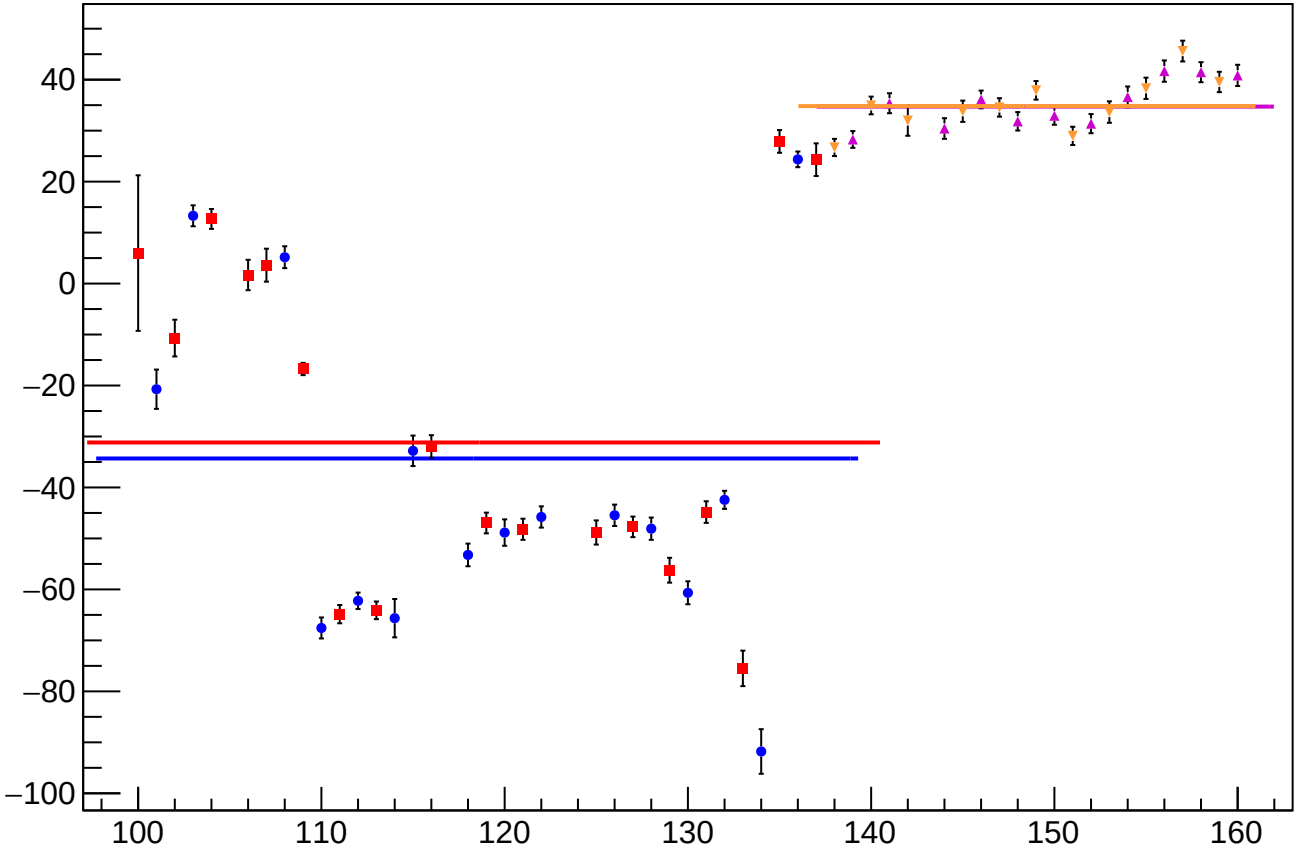
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.167+/-0.028 χ^2/NDF:358441.3/26

Out: -13.940+/-0.030 χ^2/NDF:293274.3/28

All: -13.537+/-0.020 χ^2/NDF: 652072.7/55

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 34.719+/-0.571 χ^2/NDF:59.7/10

Left: 34.766+/-0.410 χ^2/NDF: 134.2/21

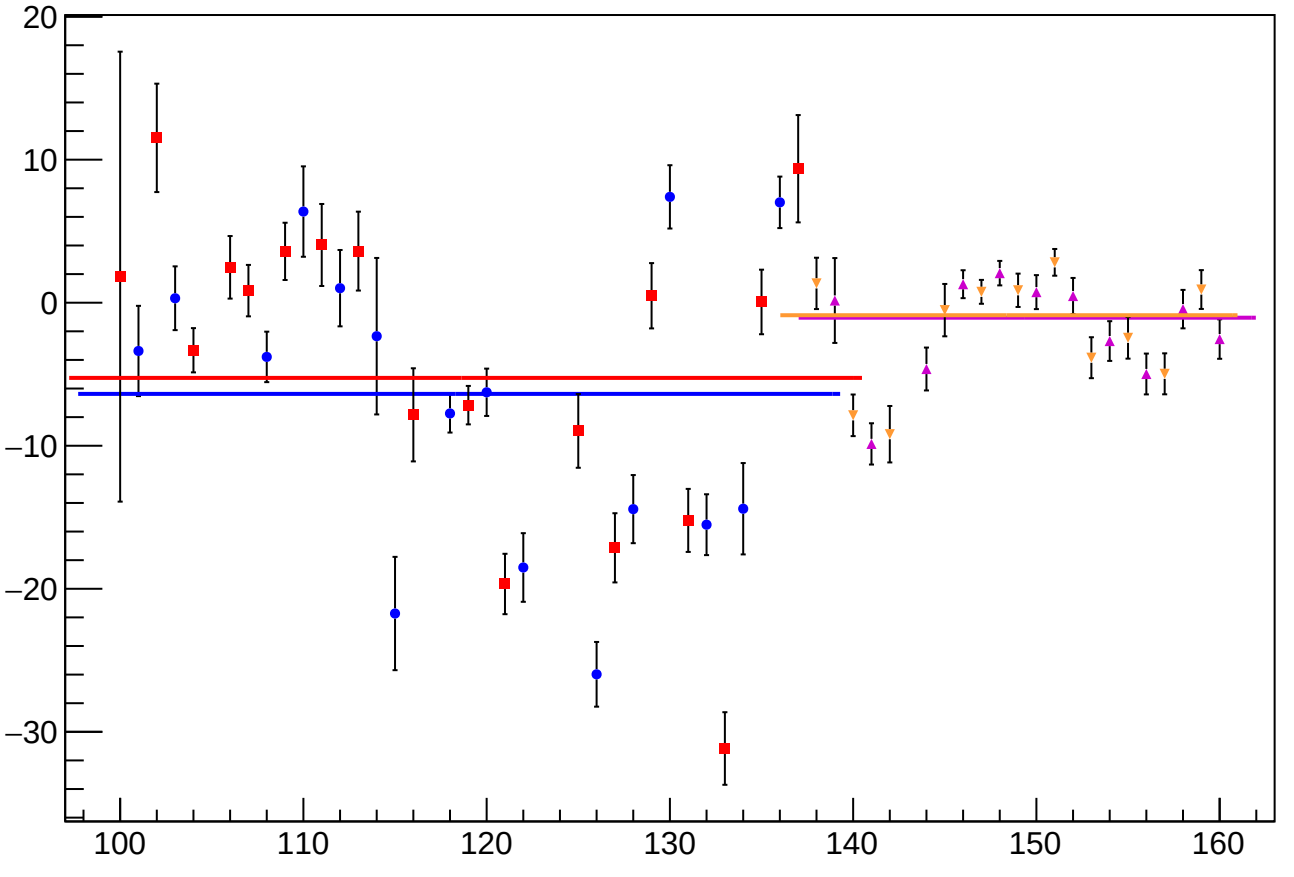
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -1.235+/-0.395 χ^2/NDF:11170.5/26

Out: -2.521+/-0.388 χ^2/NDF:10383.9/28

All: -1.890+/-0.277 χ^2/NDF: 21559.8/55

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.875+/-0.388 χ^2/NDF:79.6/10

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.048+/-0.381 χ^2/NDF:76.4/10

Left: -0.963+/-0.272 χ^2/NDF: 156.1/21

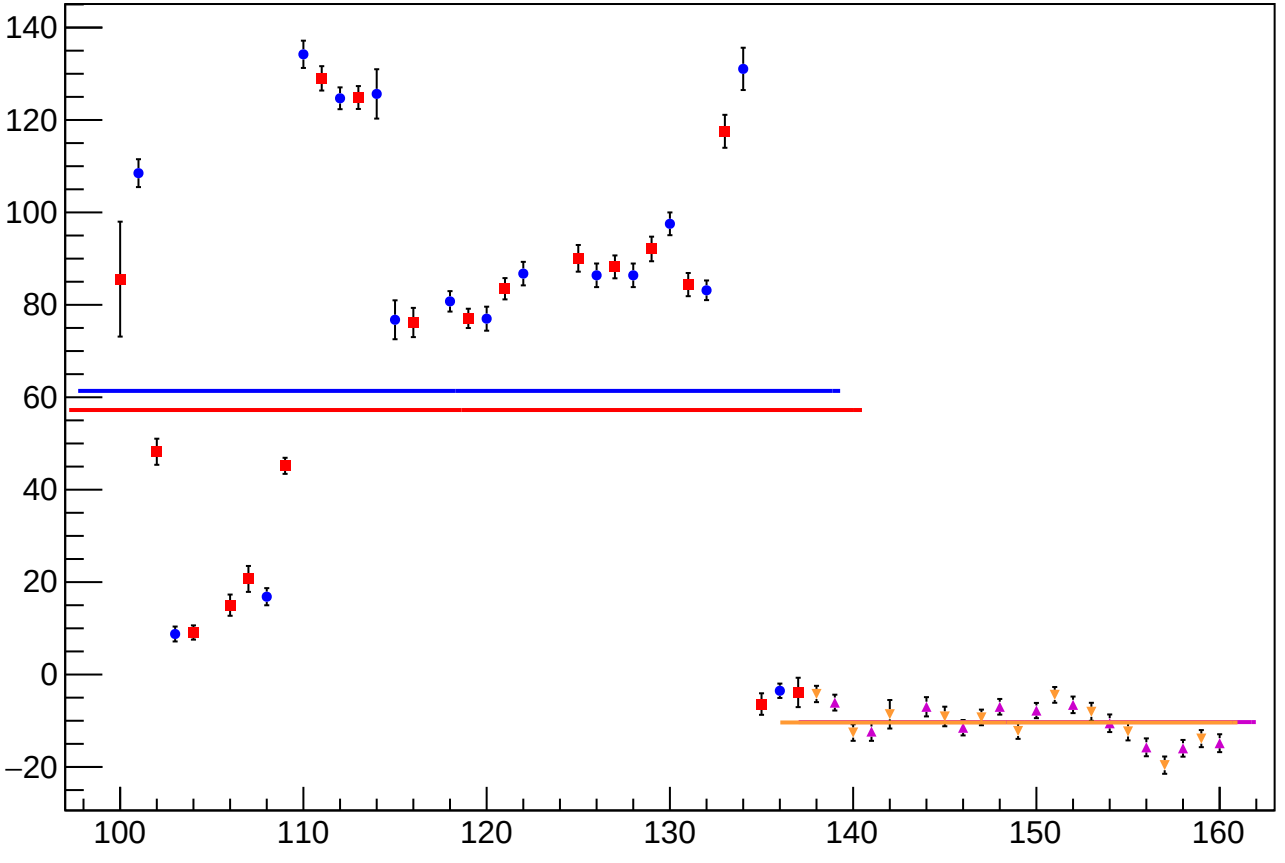
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.762+/-0.314 χ^2/NDF:422.8/26

Out: -2.394+/-0.314 χ^2/NDF:436.8/28

All: -2.578+/-0.222 χ^2/NDF: 860.2/55

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: -10.288+/-0.549 χ^2/NDF:43.9/10

Left: -10.328+/-0.395 χ^2/NDF: 102.5/21

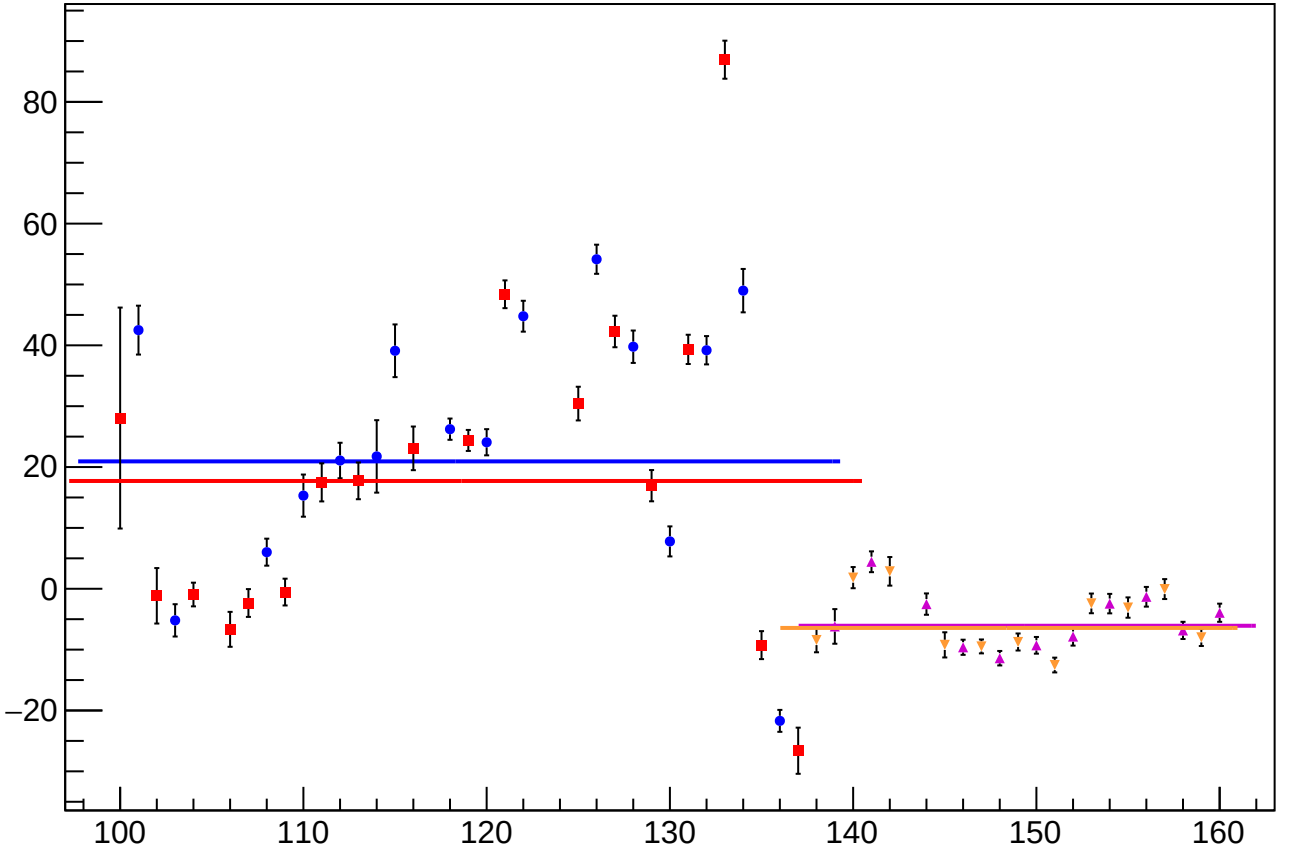
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 22.710+/-0.403 χ^2/NDF:13956.2/26

Out: 22.687+/-0.406 χ^2/NDF:12266.0/28

All: 22.699+/-0.286 χ^2/NDF: 26222.2/55

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: -6.079+/-0.454 χ^2/NDF:93.1/10

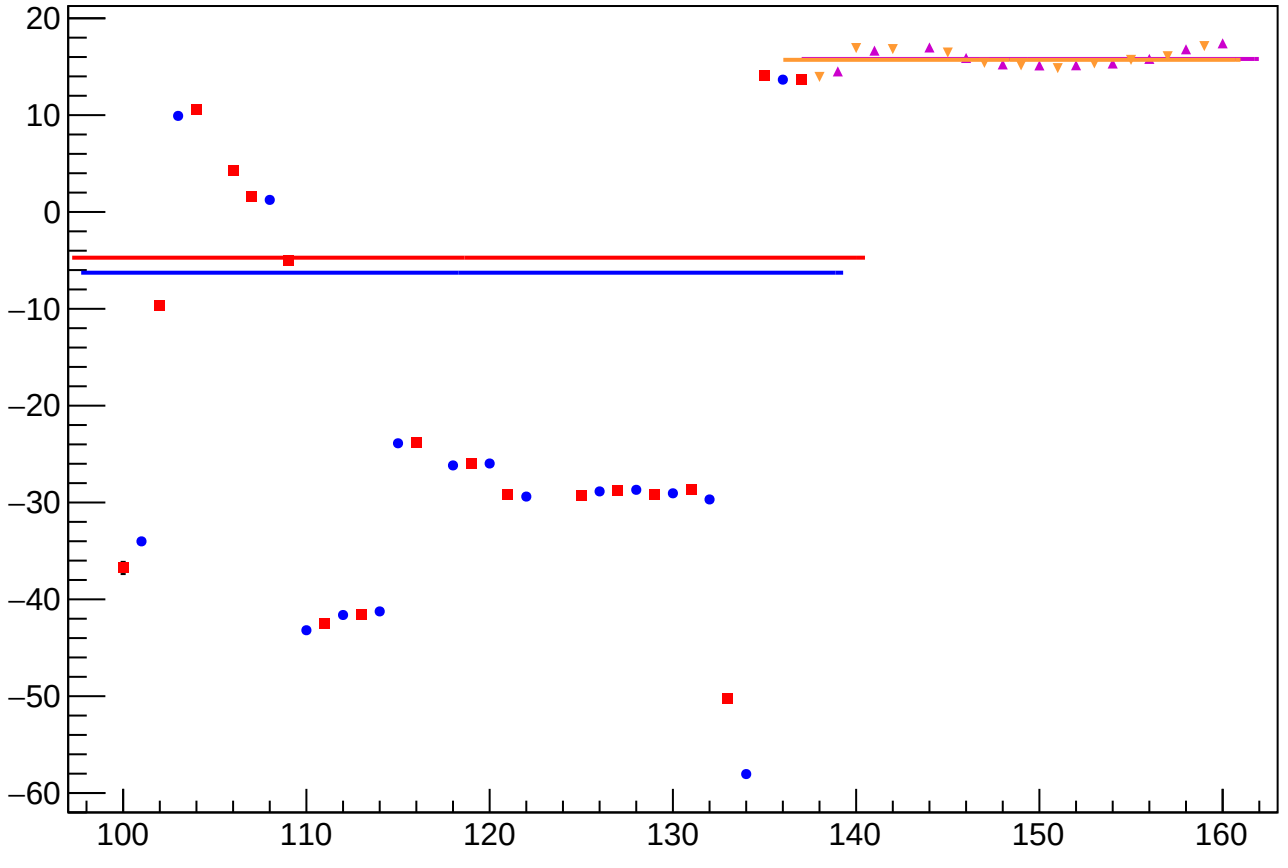
Left: -6.252+/-0.326 χ^2/NDF: 196.0/21

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 2.967+/-0.370 χ^2/NDF:2522.5/26

Out: 2.378+/-0.373 χ^2/NDF:2553.6/28

All: 2.675+/-0.263 χ^2/NDF: 5077.4/55



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: 15.801+/-0.021 χ^2/NDF:1842.0/10

Left: 15.758+/-0.015 χ^2/NDF: 3702.7/21

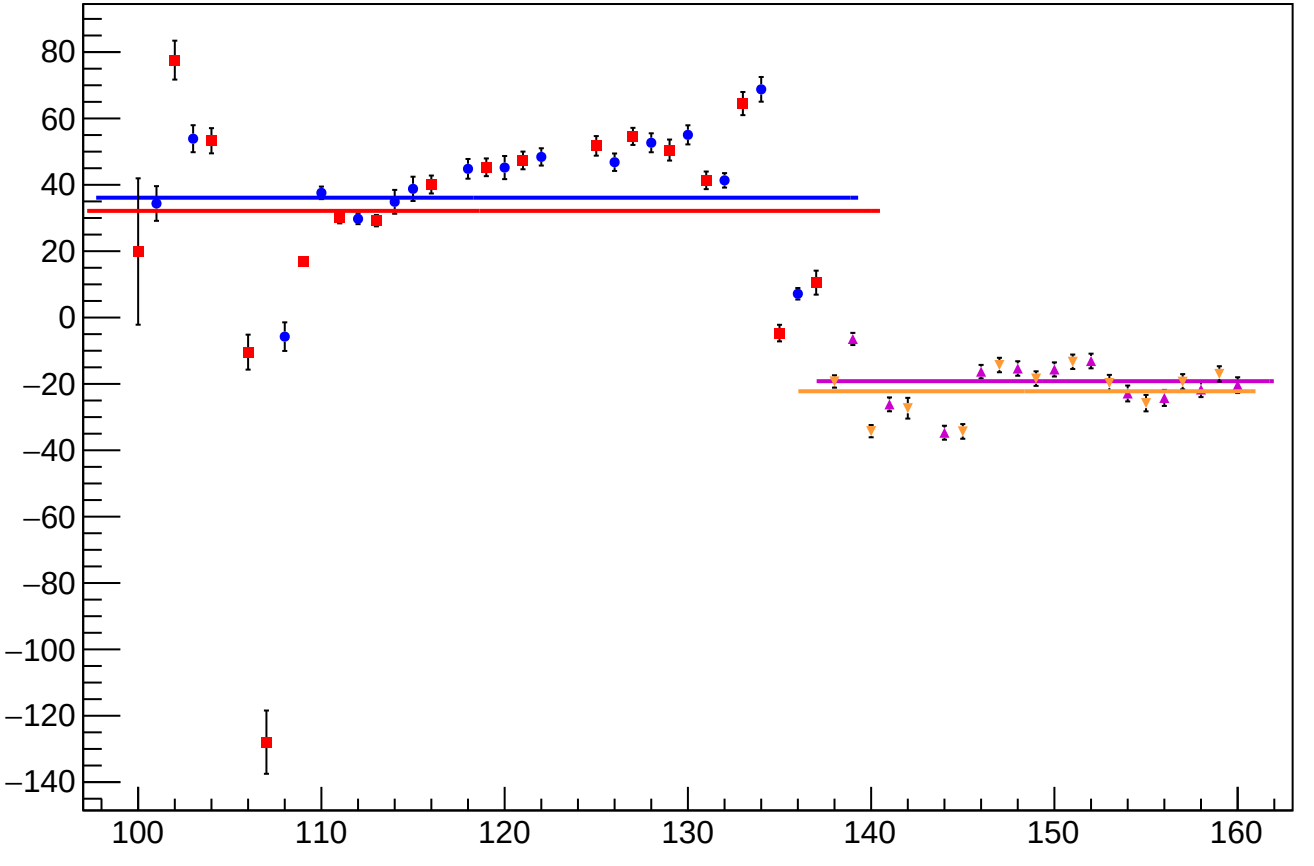
Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 9.754+/-0.017 χ^2/NDF:729051.2/26

Out: 9.768+/-0.018 χ^2/NDF:569328.1/28

All: 9.761+/-0.013 χ^2/NDF: 1298379.6/55

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -19.175+/-0.654 χ^2/NDF:137.3/10

Left: -20.654+/-0.469 χ^2/NDF: 267.6/21

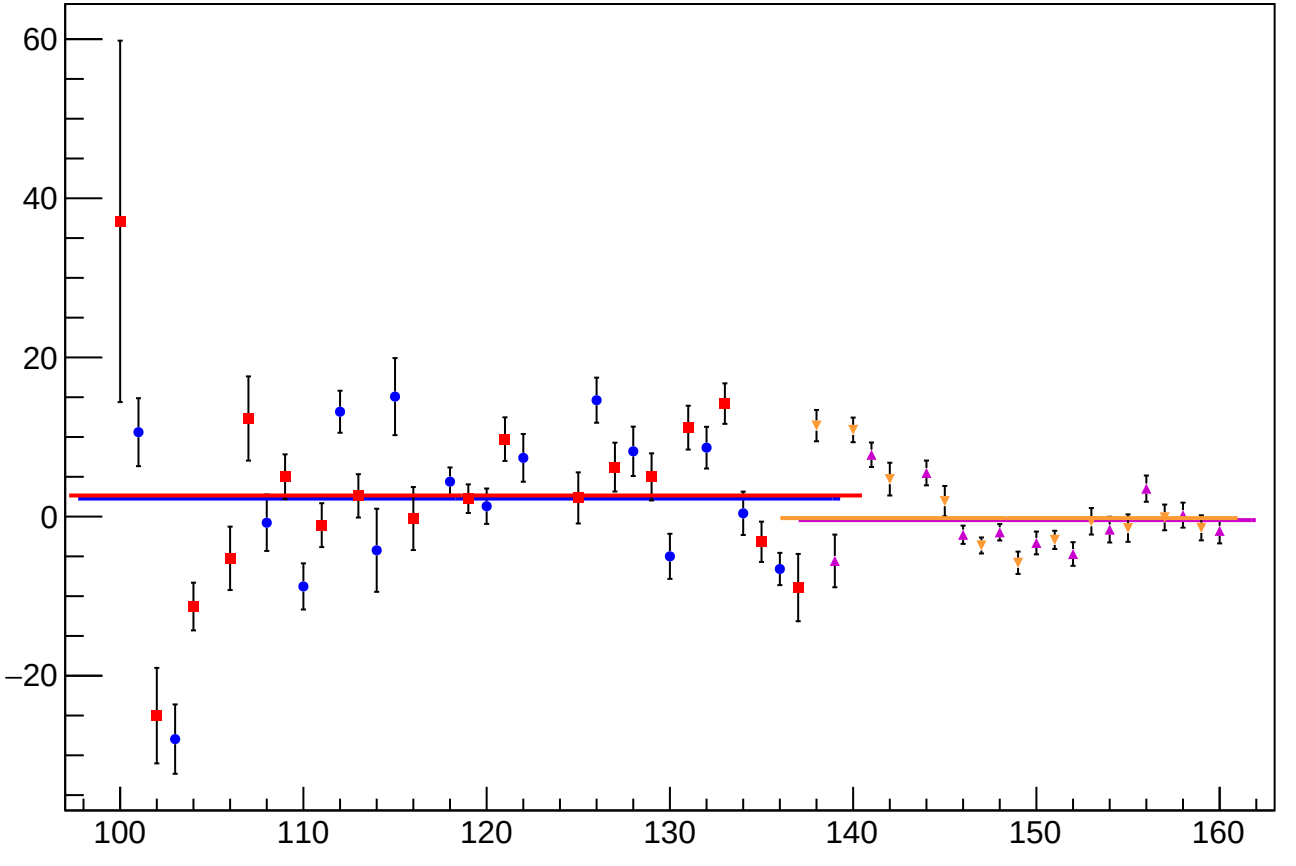
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 8.362+/-0.463 χ^2/NDF:4321.8/26

Out: 6.682+/-0.460 χ^2/NDF:4716.0/28

All: 7.516+/-0.326 χ^2/NDF: 9044.4/55

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.191+/-0.451 χ^2/NDF:127.6/10

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.443+/-0.442 χ^2/NDF:69.5/10

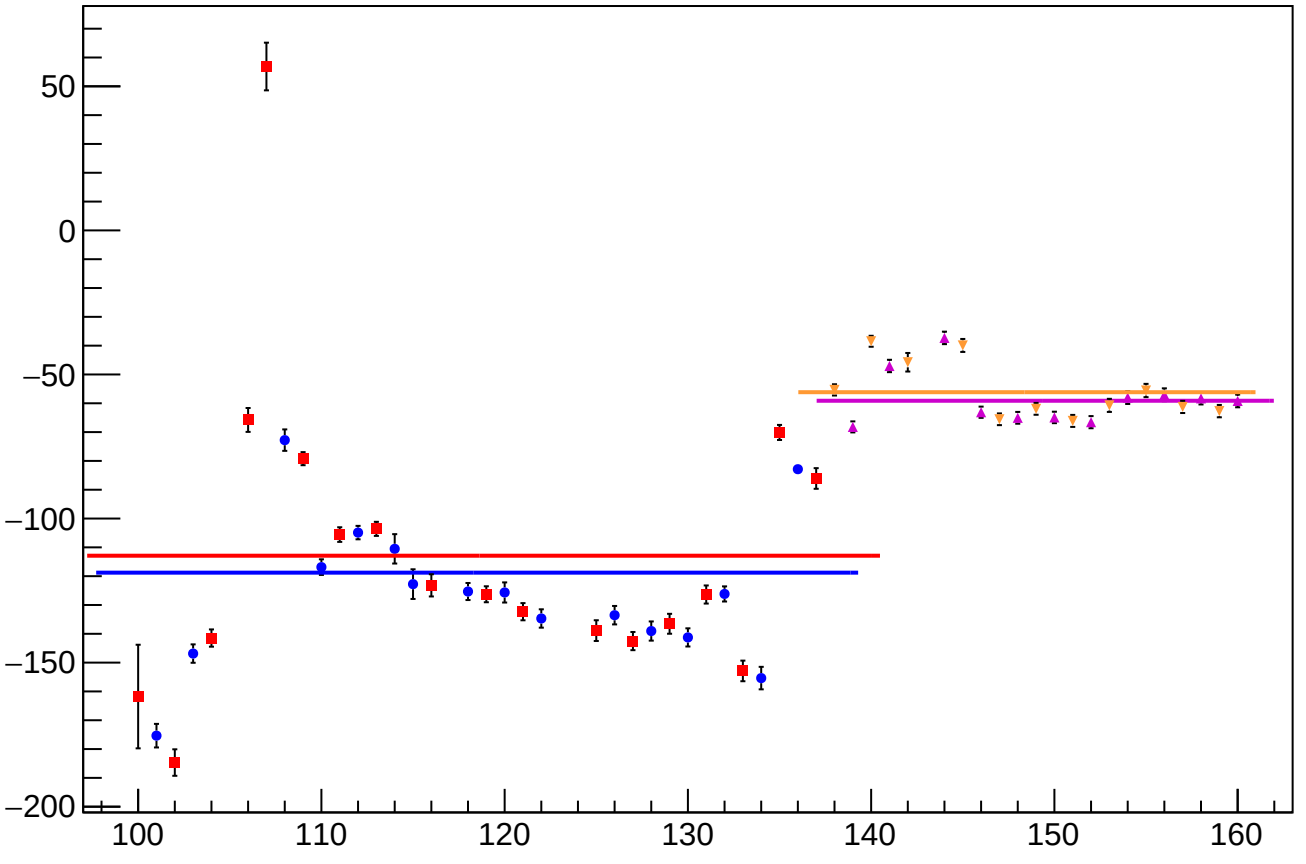
Left: -0.319+/-0.316 χ^2/NDF: 197.3/21

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.327+/-0.374 χ^2/NDF:232.2/26

Out: 0.617+/-0.381 χ^2/NDF:246.2/28

All: 0.469+/-0.267 χ^2/NDF: 478.7/55



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: -59.122+/-0.631 χ^2/NDF:190.2/10

Left: -57.683+/-0.453 χ^2/NDF: 421.1/21

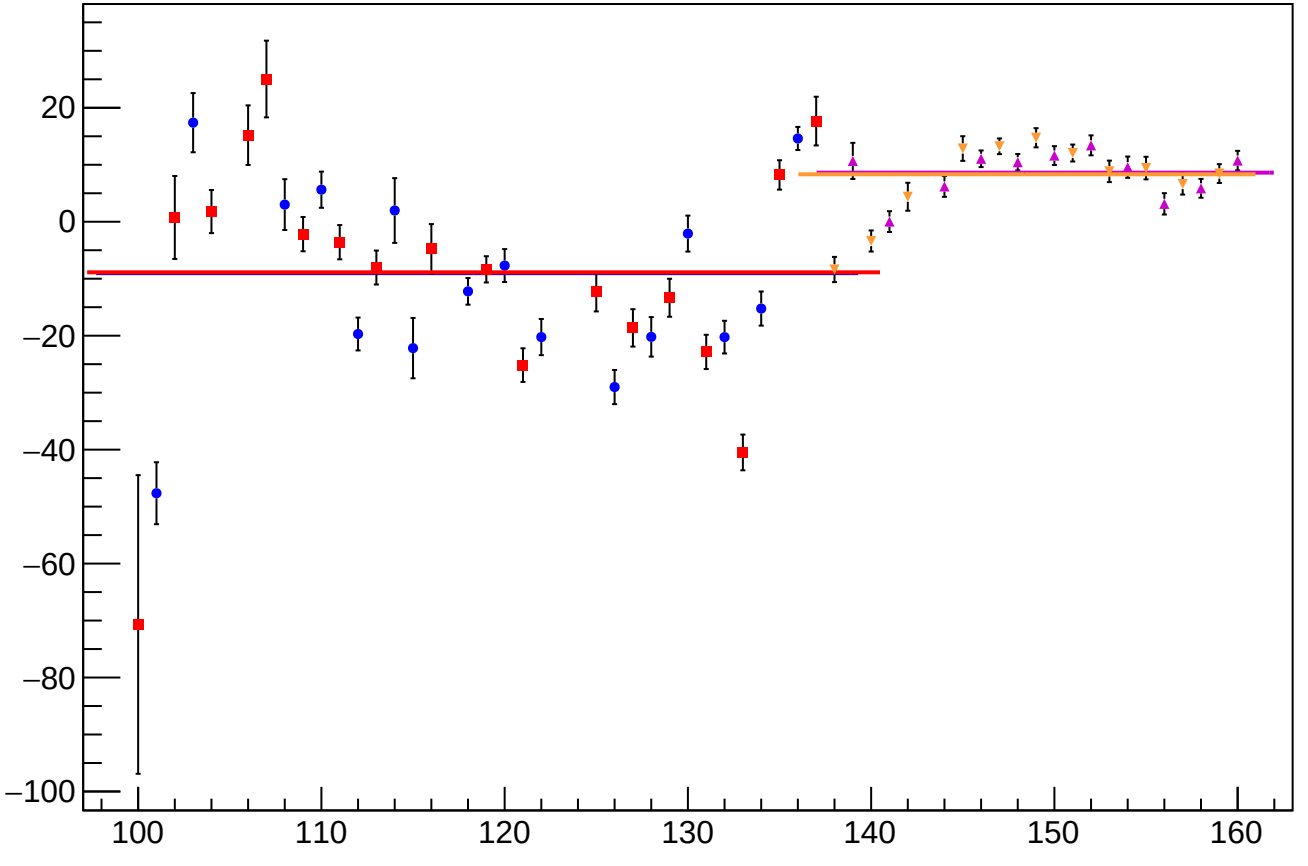
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -83.570+/-0.484 χ^2/NDF:4976.7/26

Out: -80.105+/-0.494 χ^2/NDF:5296.8/28

All: -81.873+/-0.346 χ^2/NDF: 10298.5/55

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.327+/-0.542 χ^2/NDF:138.6/10

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.619+/-0.525 χ^2/NDF:52.6/10

Left: 8.478+/-0.377 χ^2/NDF: 191.4/21

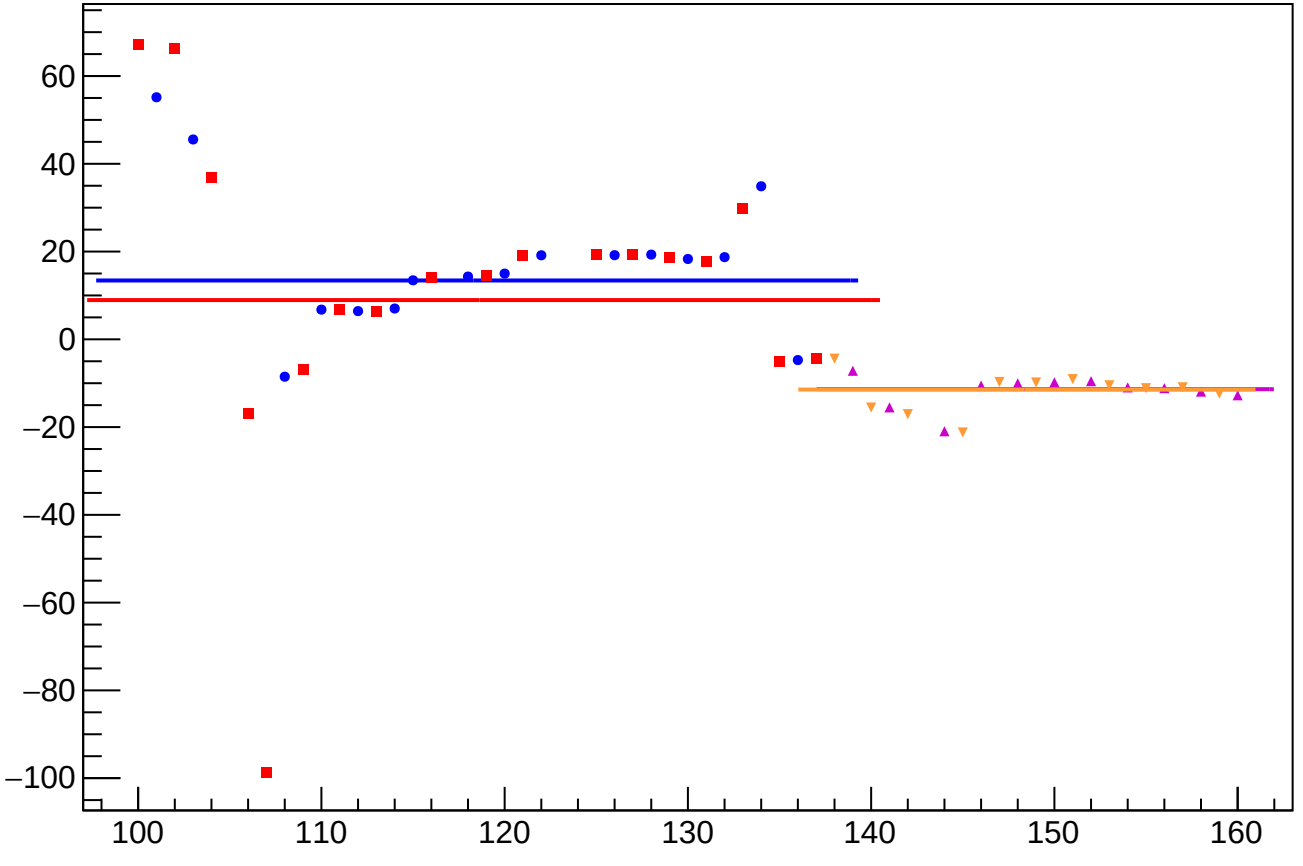
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 3.269+/-0.438 χ^2/NDF:753.1/26

Out: 3.007+/-0.451 χ^2/NDF:768.6/28

All: 3.142+/-0.314 χ^2/NDF: 1521.9/55

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.447+/-0.025 χ^2/NDF:26689.3/10

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.360+/-0.024 χ^2/NDF:17561.1/10

Left: -11.401+/-0.017 χ^2/NDF: 44256.8/21

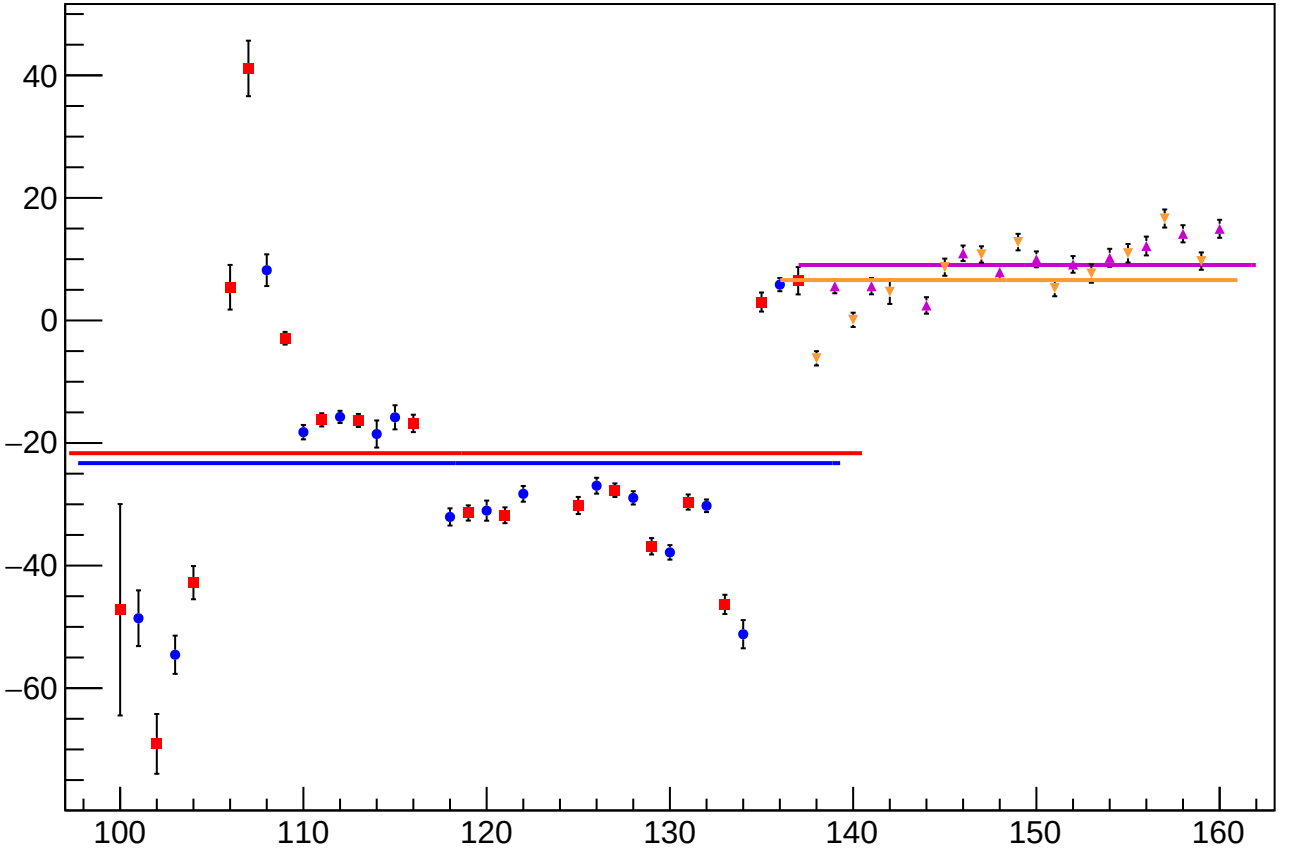
Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.059+/-0.021 χ^2/NDF:436501.1/26

Out: -7.074+/-0.022 χ^2/NDF:463178.4/28

All: -6.543+/-0.015 χ^2/NDF: 900799.3/55

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 9.056+/-0.405 χ^2/NDF:77.9/10

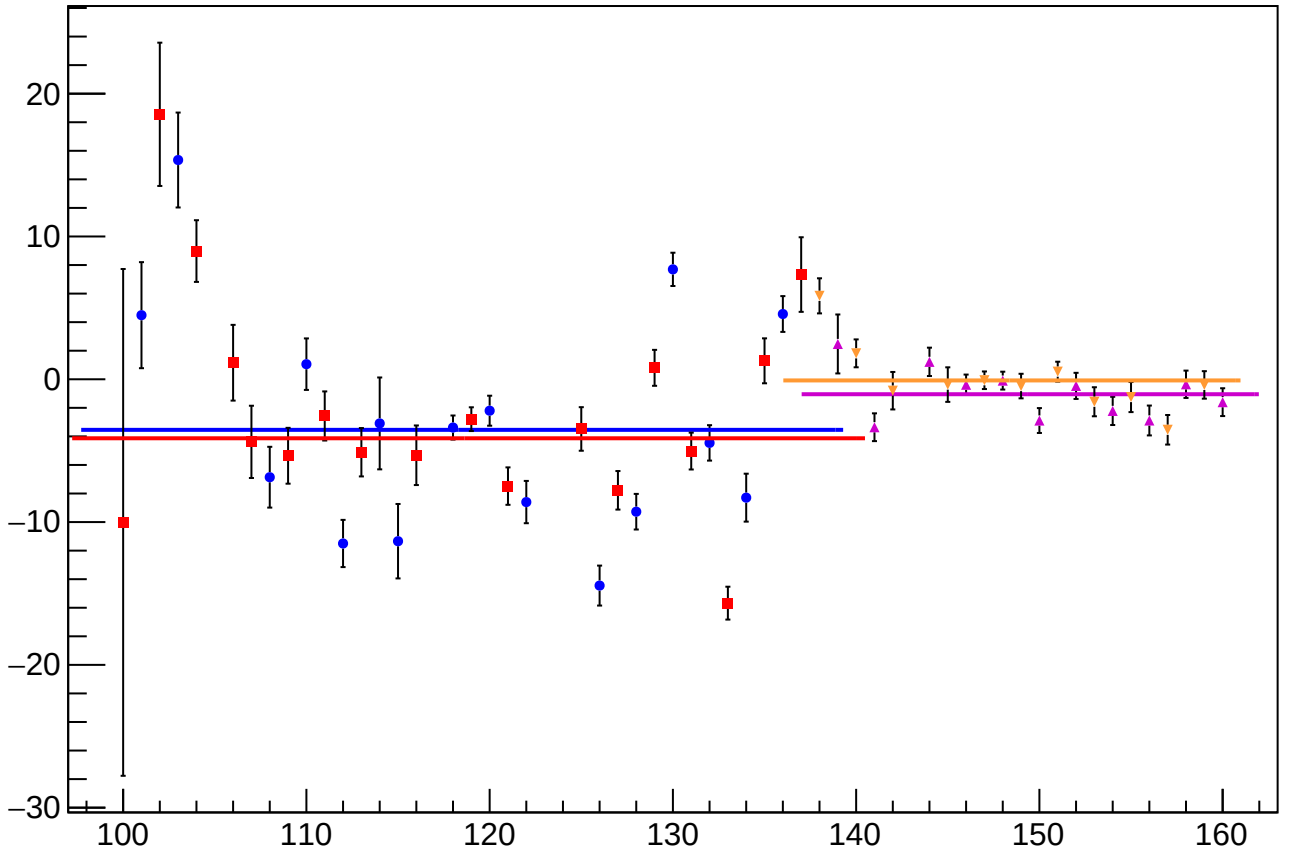
Left: 7.858+/-0.291 χ^2/NDF: 341.7/21

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -9.453+/-0.265 χ^2/NDF:5287.8/26

Out: -10.089+/-0.267 χ^2/NDF:4769.1/28

All: -9.769+/-0.188 χ^2/NDF: 10059.8/55



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: -1.047+/-0.273 χ^2/NDF:27.2/10

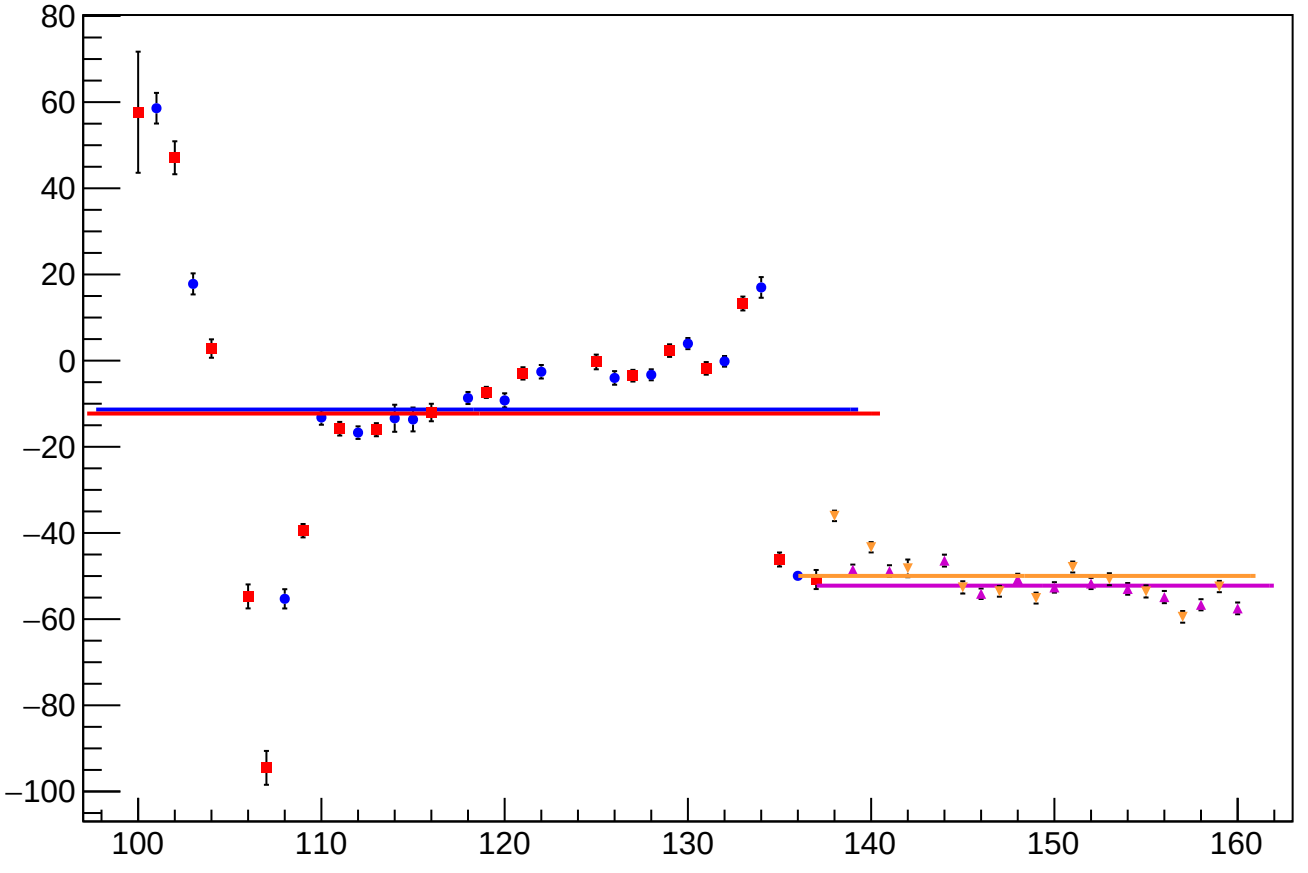
Left: -0.574+/-0.195 χ^2/NDF: 76.3/21

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.948+/-0.218 χ^2/NDF:374.2/26

Out: -1.542+/-0.223 χ^2/NDF:346.8/28

All: -1.749+/-0.156 χ^2/NDF: 722.7/55



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: -52.228+/-0.391 χ^2/NDF:68.2/10

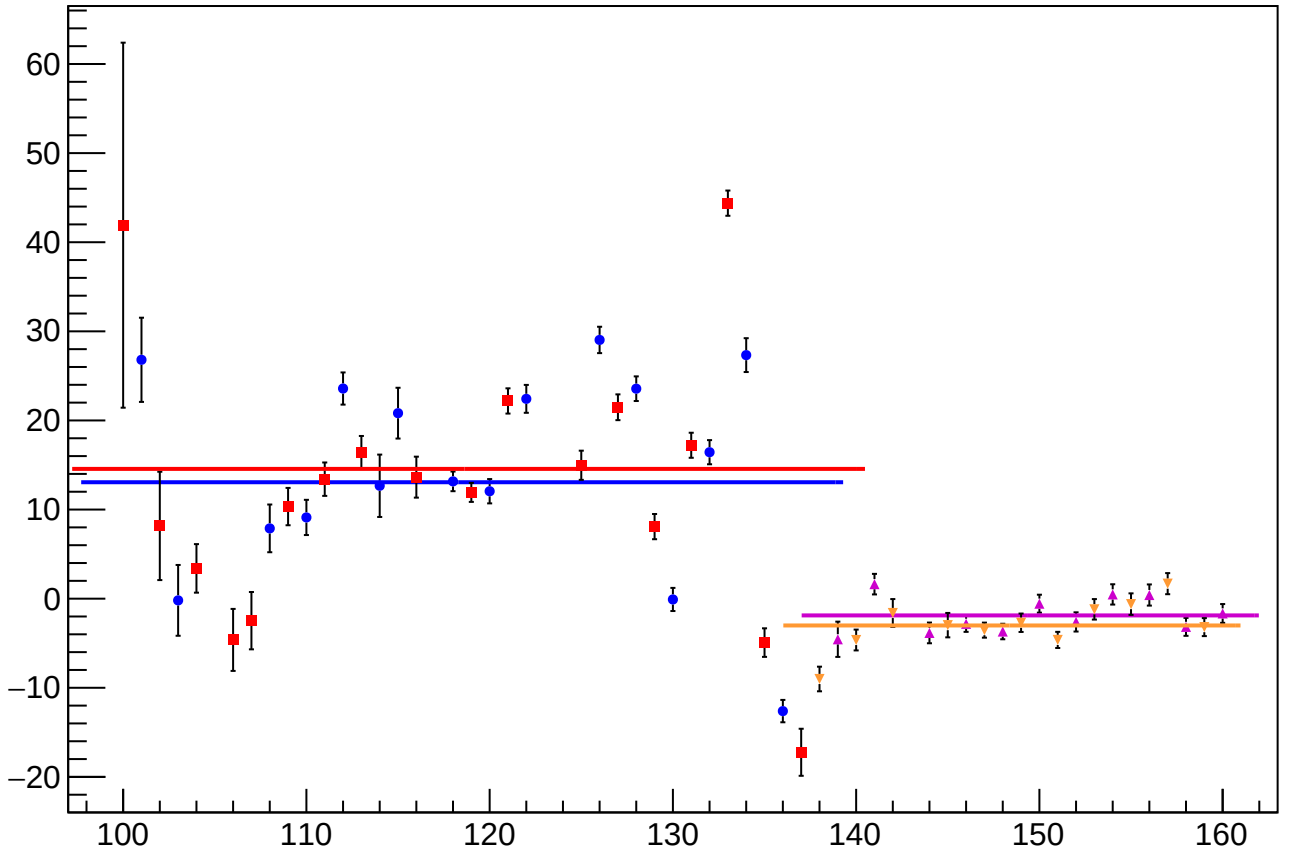
Left: -51.133+/-0.281 χ^2/NDF: 337.5/21

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -32.564+/-0.281 χ^2/NDF:7997.3/26

Out: -31.577+/-0.289 χ^2/NDF:7103.5/28

All: -32.083+/-0.201 χ^2/NDF: 15106.8/55



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: -1.878+/-0.324 χ^2/NDF:31.2/10

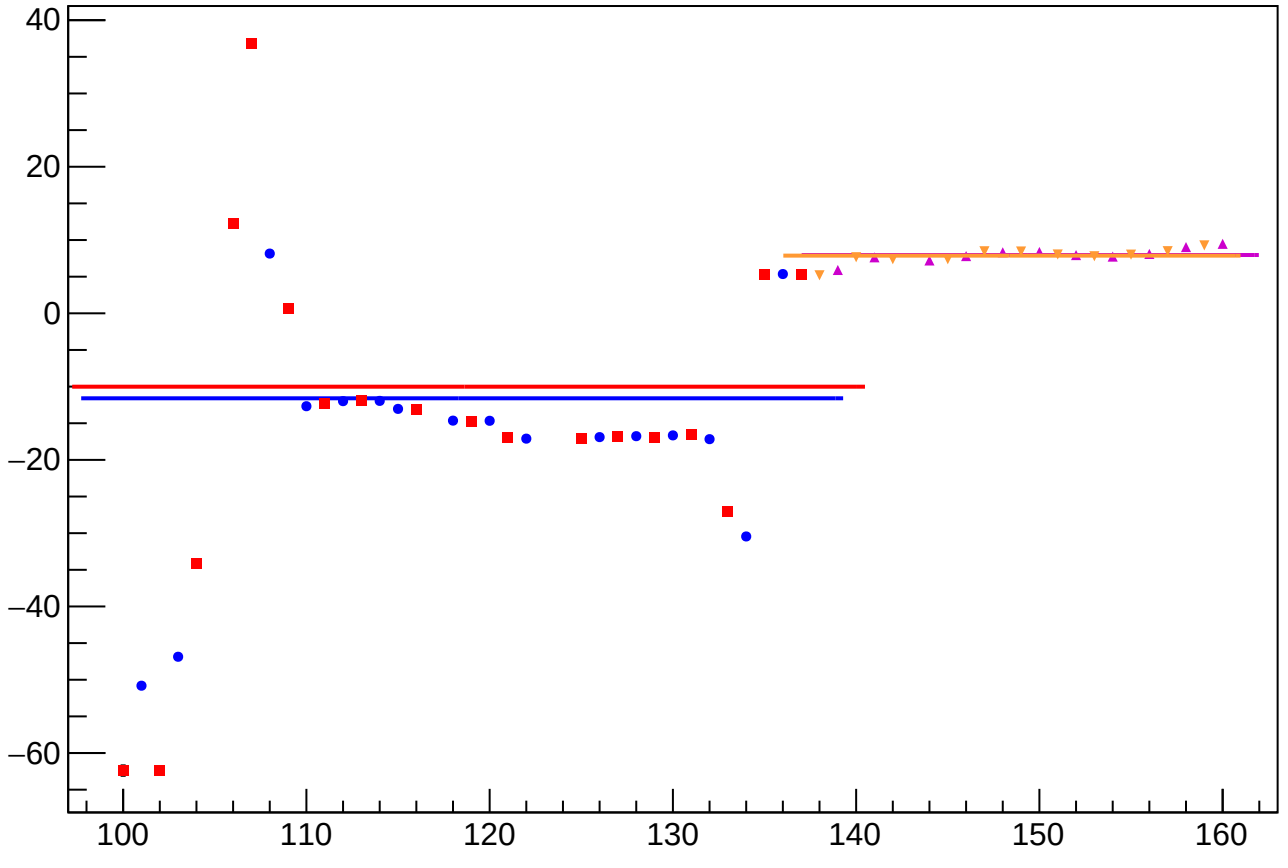
Left: -2.424+/-0.233 χ^2/NDF: 84.5/21

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 3.795+/-0.256 χ^2/NDF:1700.2/26

Out: 3.782+/-0.263 χ^2/NDF:2011.7/28

All: 3.788+/-0.183 χ^2/NDF: 3711.9/55



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: 7.957+/-0.015 χ^2/NDF:4225.9/10

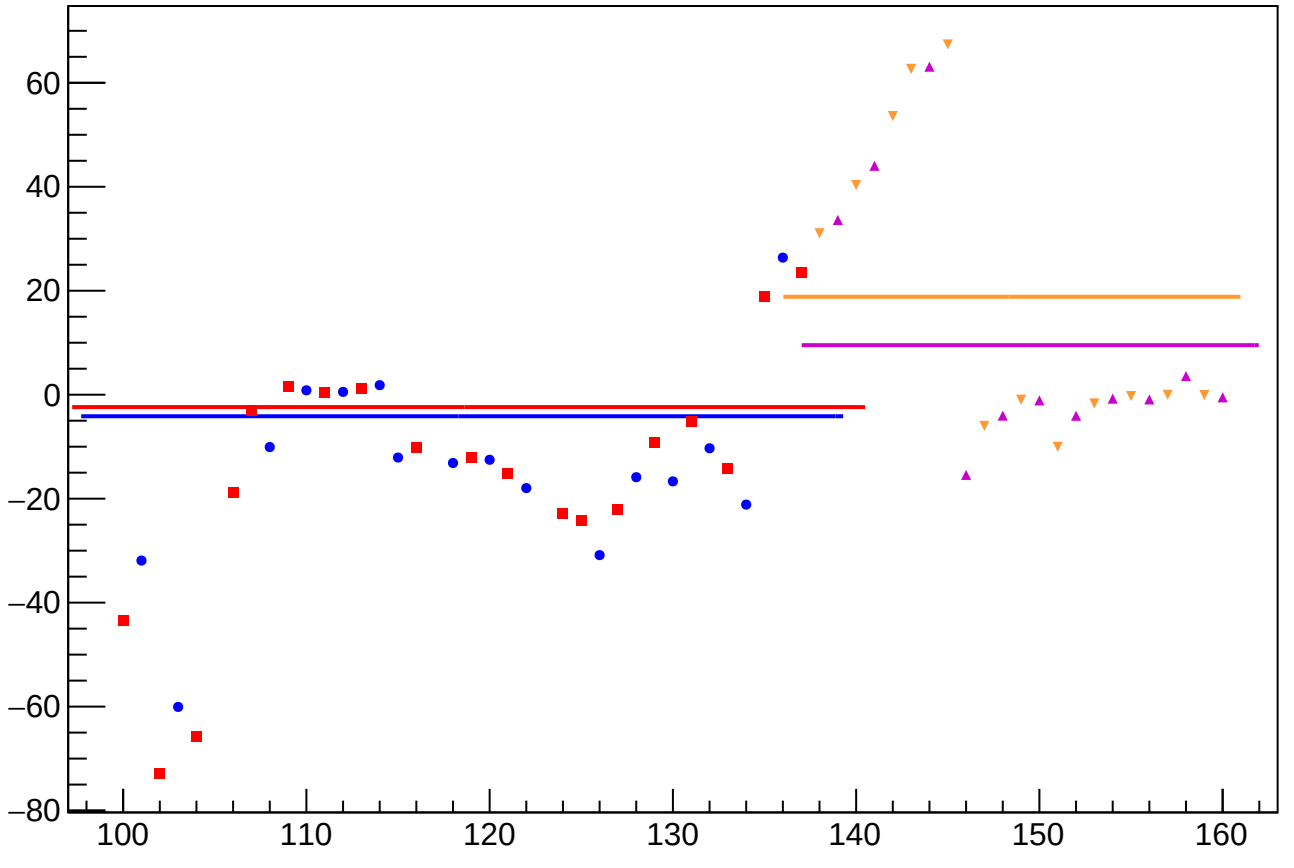
Left: 7.916+/-0.011 χ^2/NDF: 8890.6/21

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.339+/-0.013 χ^2/NDF:786596.8/26

Out: 3.606+/-0.013 χ^2/NDF:724273.5/28

All: 3.466+/-0.009 χ^2/NDF: 1511079.3/55



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: 9.527+/-0.065 χ^2/NDF:102333.3/10

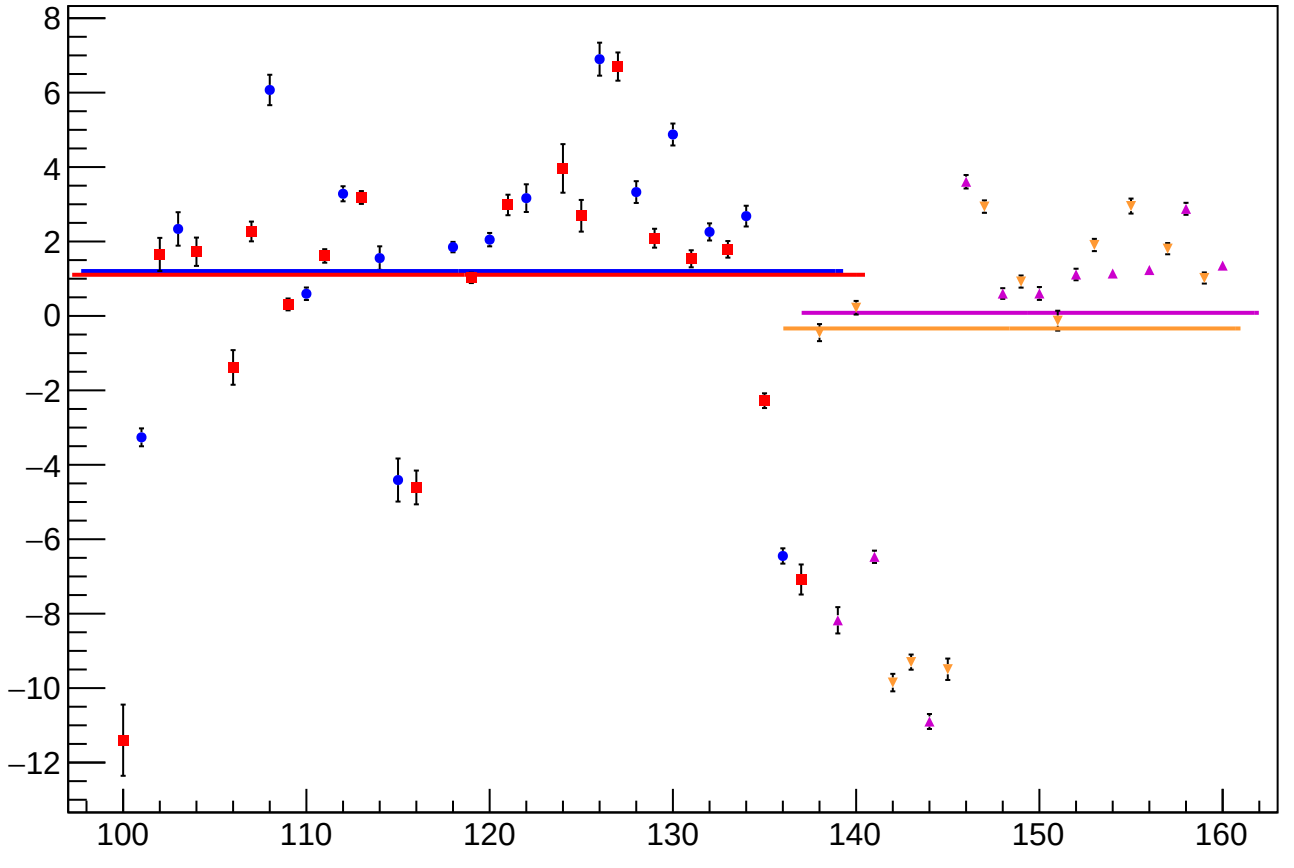
Left: 13.413+/-0.049 χ^2/NDF: 218299.1/22

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.570+/-0.042 χ^2/NDF:203728.5/26

Out: 3.303+/-0.039 χ^2/NDF:244712.5/30

All: 2.484+/-0.029 χ^2/NDF: 449352.3/57



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: 0.083+/-0.045 χ^2/NDF:6152.9/10

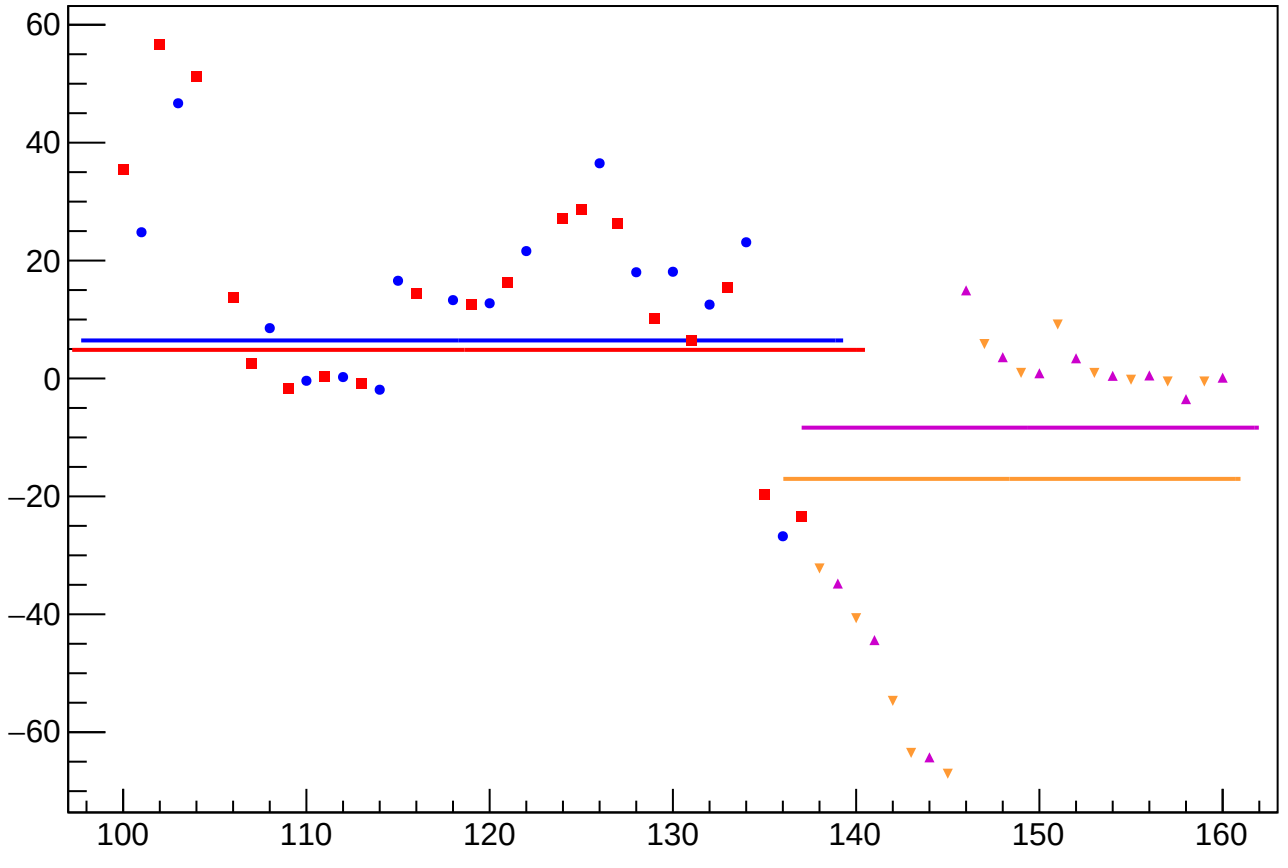
Left: -0.086+/-0.034 χ^2/NDF: 11970.5/22

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.480+/-0.036 χ^2/NDF:8960.7/26

Out: 0.346+/-0.039 χ^2/NDF:7704.0/30

All: 0.419+/-0.027 χ^2/NDF: 16670.9/57



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: -8.341+/-0.061 χ^2/NDF:102797.3/10

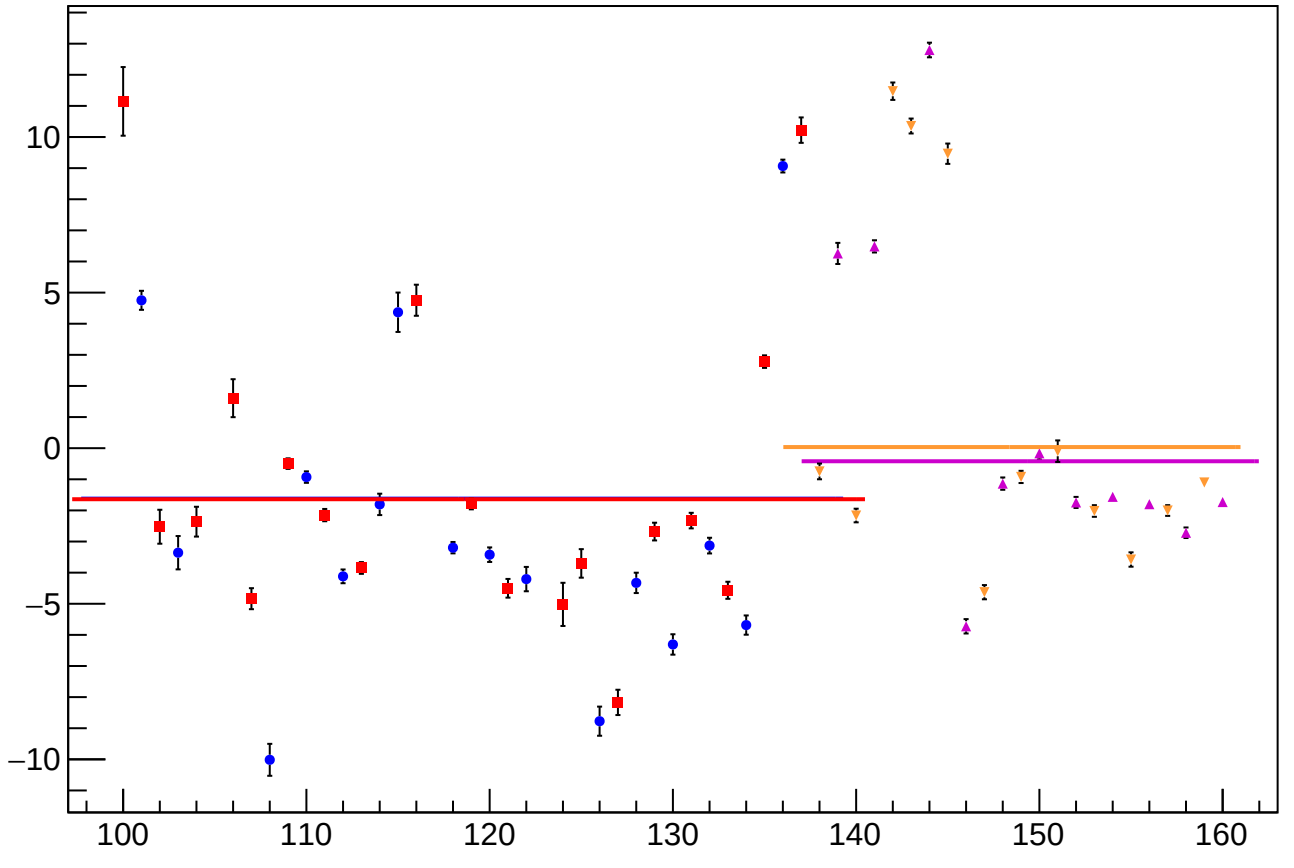
Left: -11.890+/-0.047 χ^2/NDF: 220383.1/22

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.387+/-0.045 χ^2/NDF:200743.5/26

Out: -3.690+/-0.046 χ^2/NDF:238111.6/30

All: -2.501+/-0.032 χ^2/NDF: 440138.6/57



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: -0.420+/-0.051 χ^2/NDF:5865.8/10

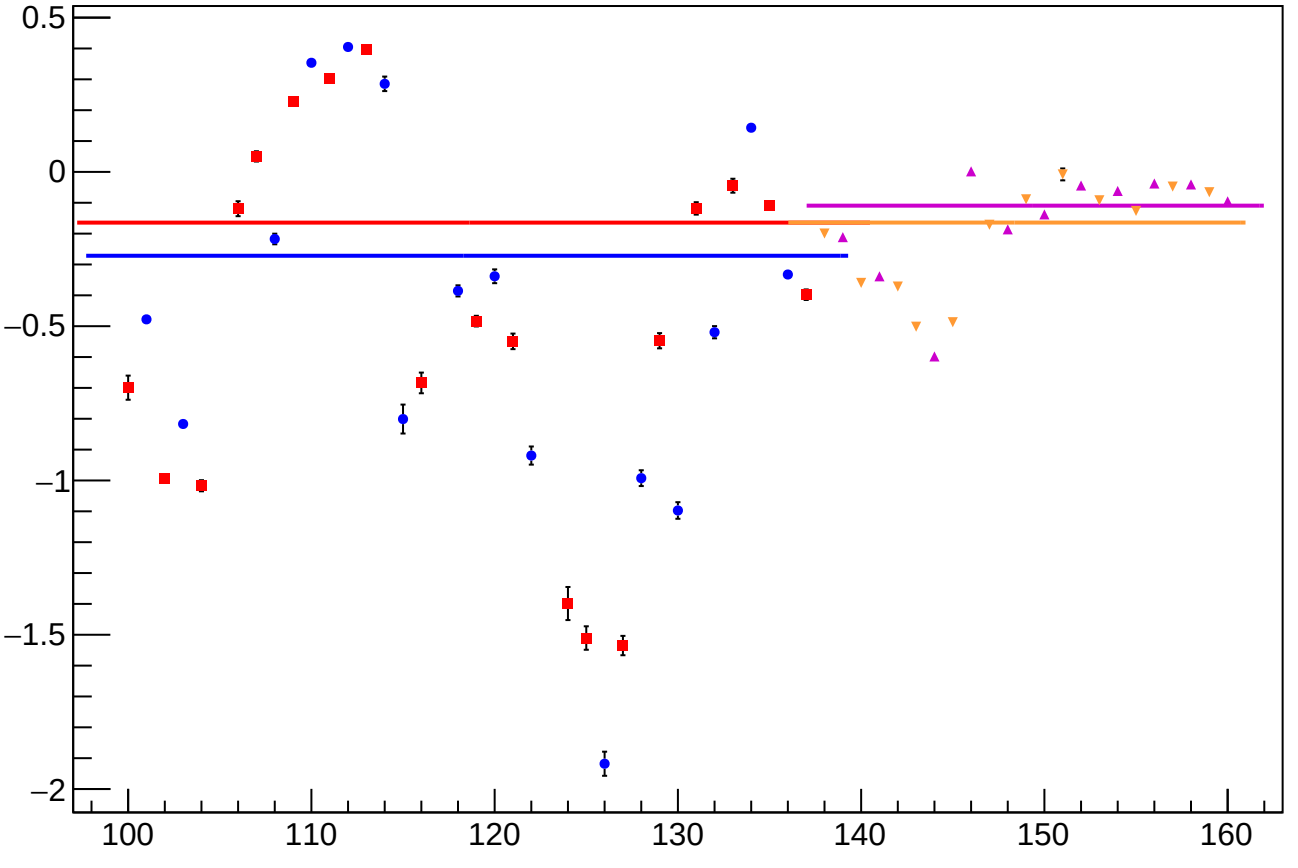
Left: -0.239+/-0.040 χ^2/NDF: 11362.6/22

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.844+/-0.041 χ^2/NDF:10583.9/26

Out: -0.784+/-0.045 χ^2/NDF:8271.8/30

All: -0.817+/-0.030 χ^2/NDF: 18856.7/57



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: -0.109+/-0.002 χ^2/NDF:2914.7/10

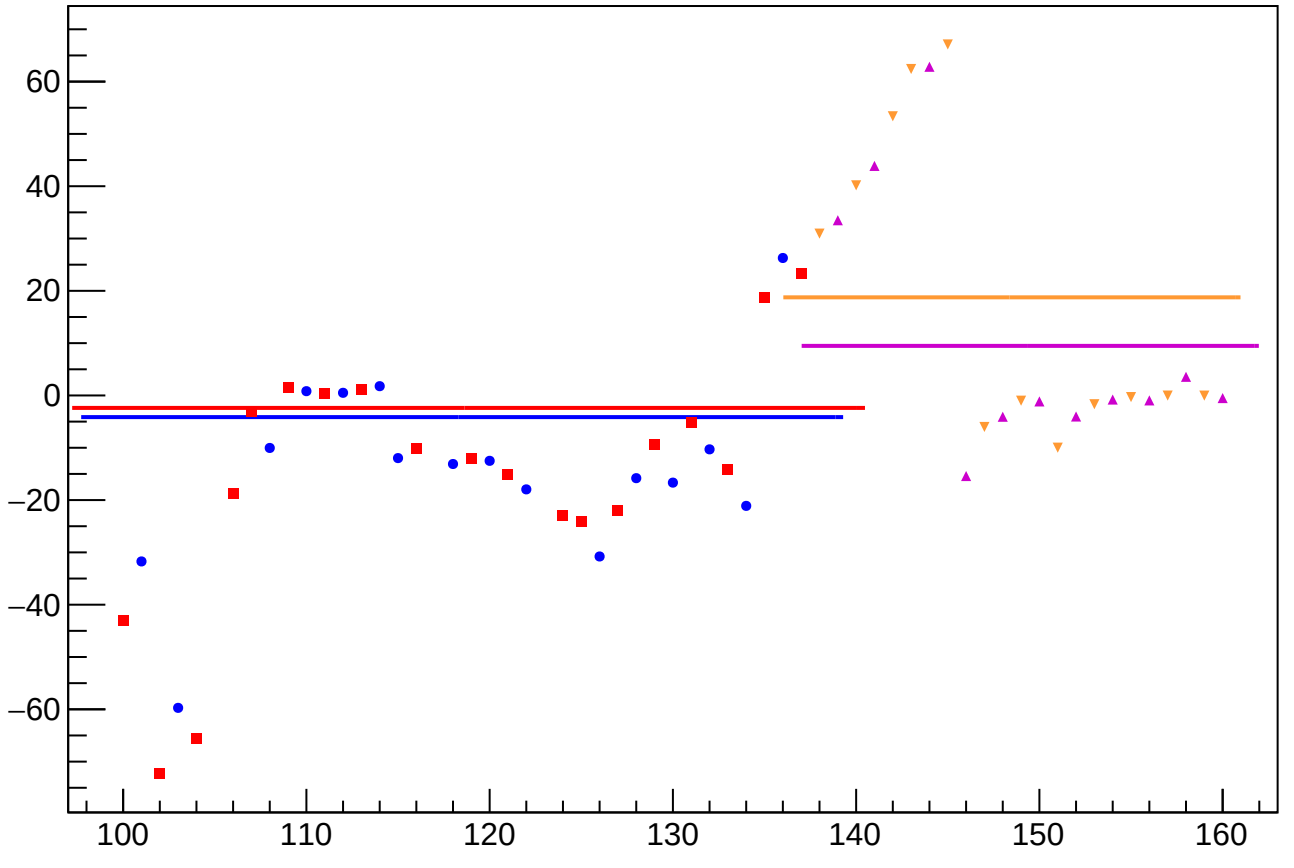
Left: -0.131+/-0.002 χ^2/NDF: 5866.0/22

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.144+/-0.002 χ^2/NDF:16160.2/26

Out: -0.164+/-0.002 χ^2/NDF:18204.5/30

All: -0.153+/-0.001 χ^2/NDF: 34409.5/57



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: 9.479+/-0.064 χ^2/NDF:102269.1/10

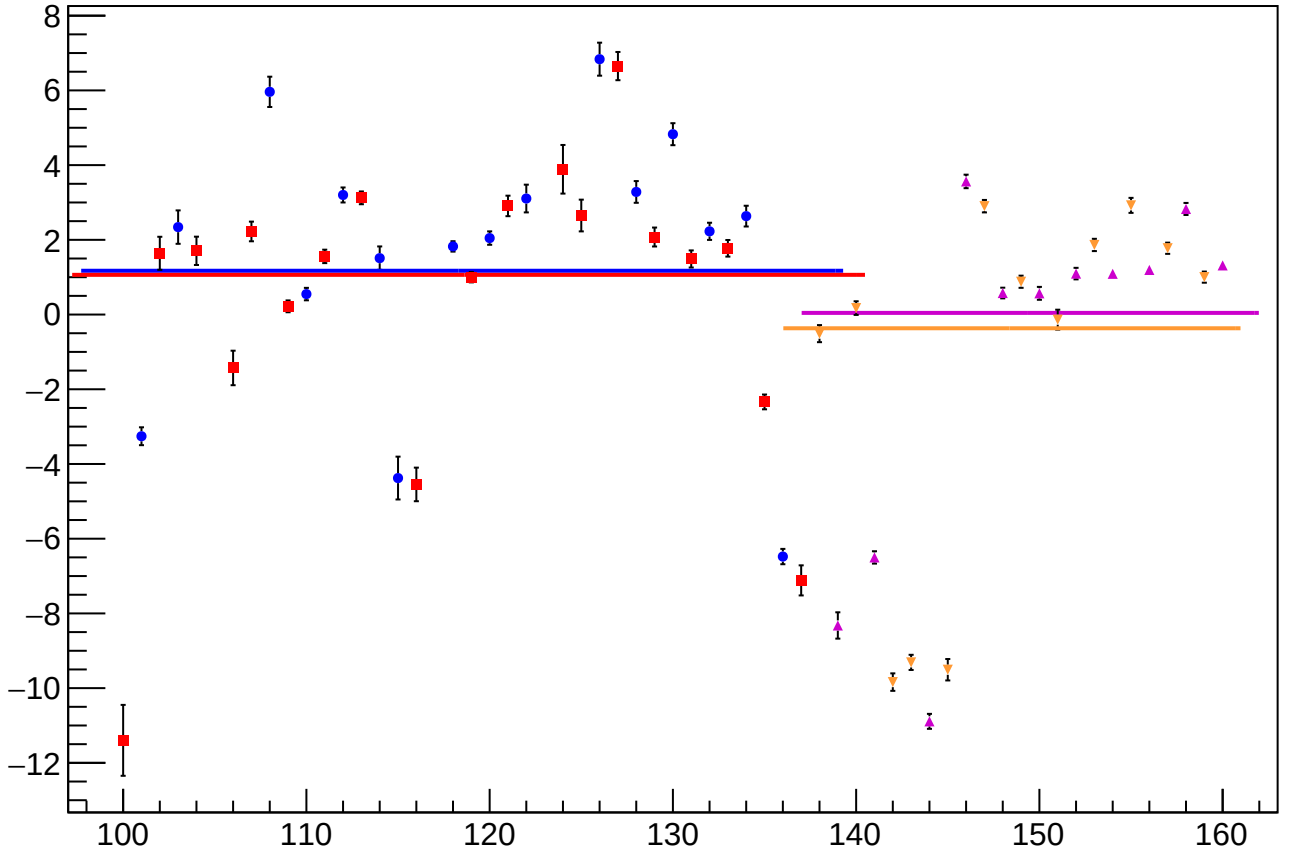
Left: 13.352+/-0.049 χ^2/NDF: 218083.2/22

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.530+/-0.042 χ^2/NDF:203645.6/26

Out: 3.256+/-0.039 χ^2/NDF:244495.8/30

All: 2.441+/-0.029 χ^2/NDF: 449054.3/57



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: 0.044+/-0.045 χ^2/NDF:6171.3/10

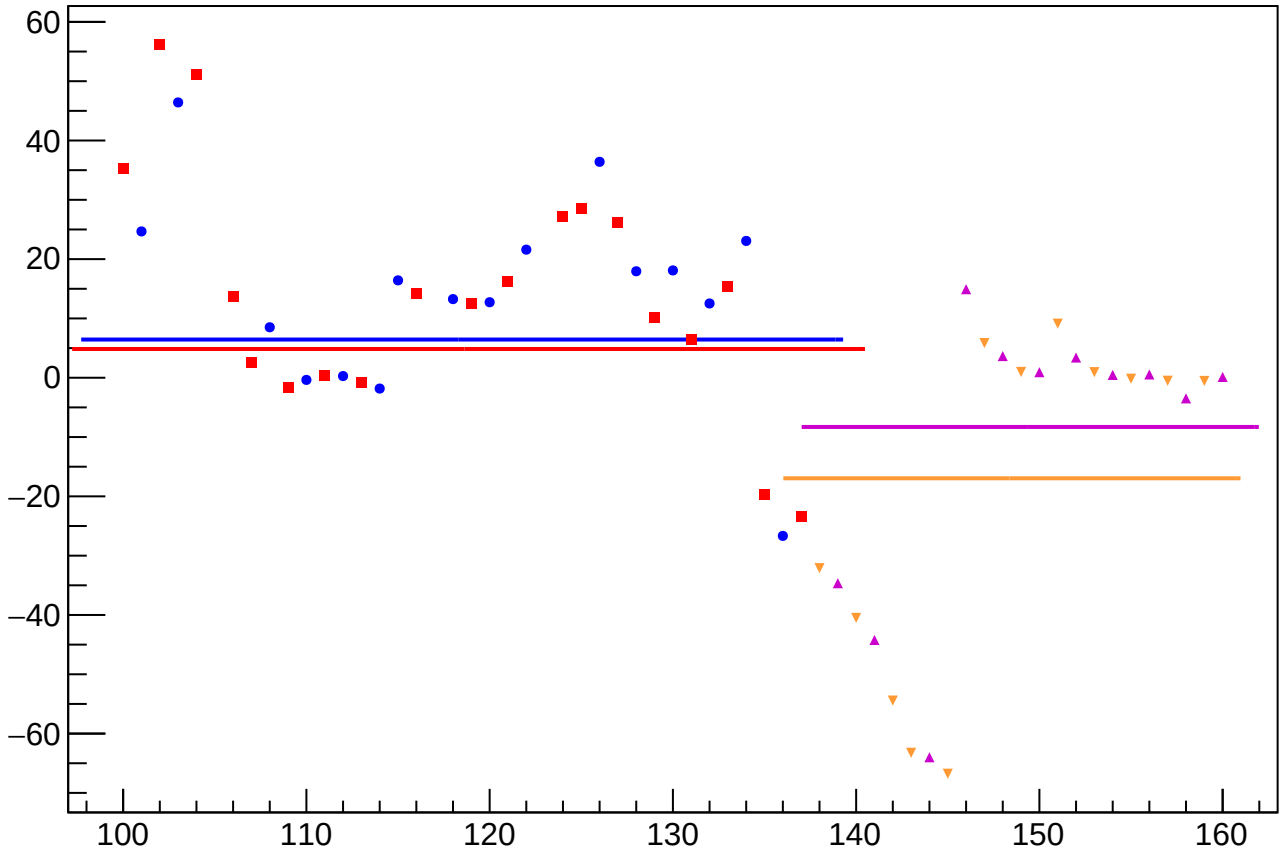
Left: -0.122+/-0.034 χ^2/NDF: 11995.9/22

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.444+/-0.036 χ^2/NDF:8983.1/26

Out: 0.310+/-0.039 χ^2/NDF:7718.5/30

All: 0.383+/-0.026 χ^2/NDF: 16707.9/57



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: -8.297+/-0.061 χ^2/NDF:102722.9/10

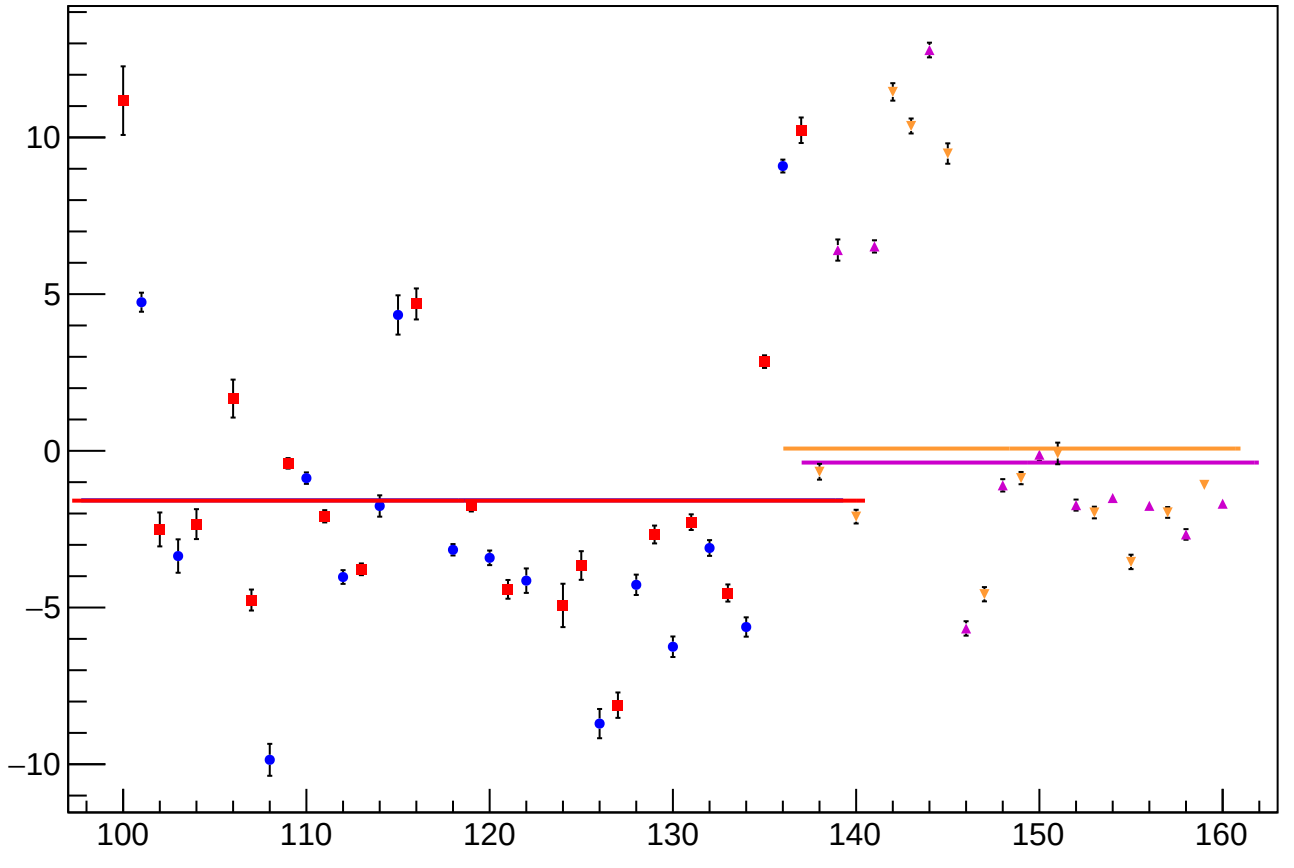
Left: -11.834+/-0.047 χ^2/NDF: 220151.5/22

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.347+/-0.045 χ^2/NDF:200647.8/26

Out: -3.638+/-0.046 χ^2/NDF:237898.5/30

All: -2.456+/-0.032 χ^2/NDF: 439827.8/57



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: -0.374+/-0.051 χ^2/NDF:5883.8/10

Left: -0.196+/-0.040 χ^2/NDF: 11382.5/22

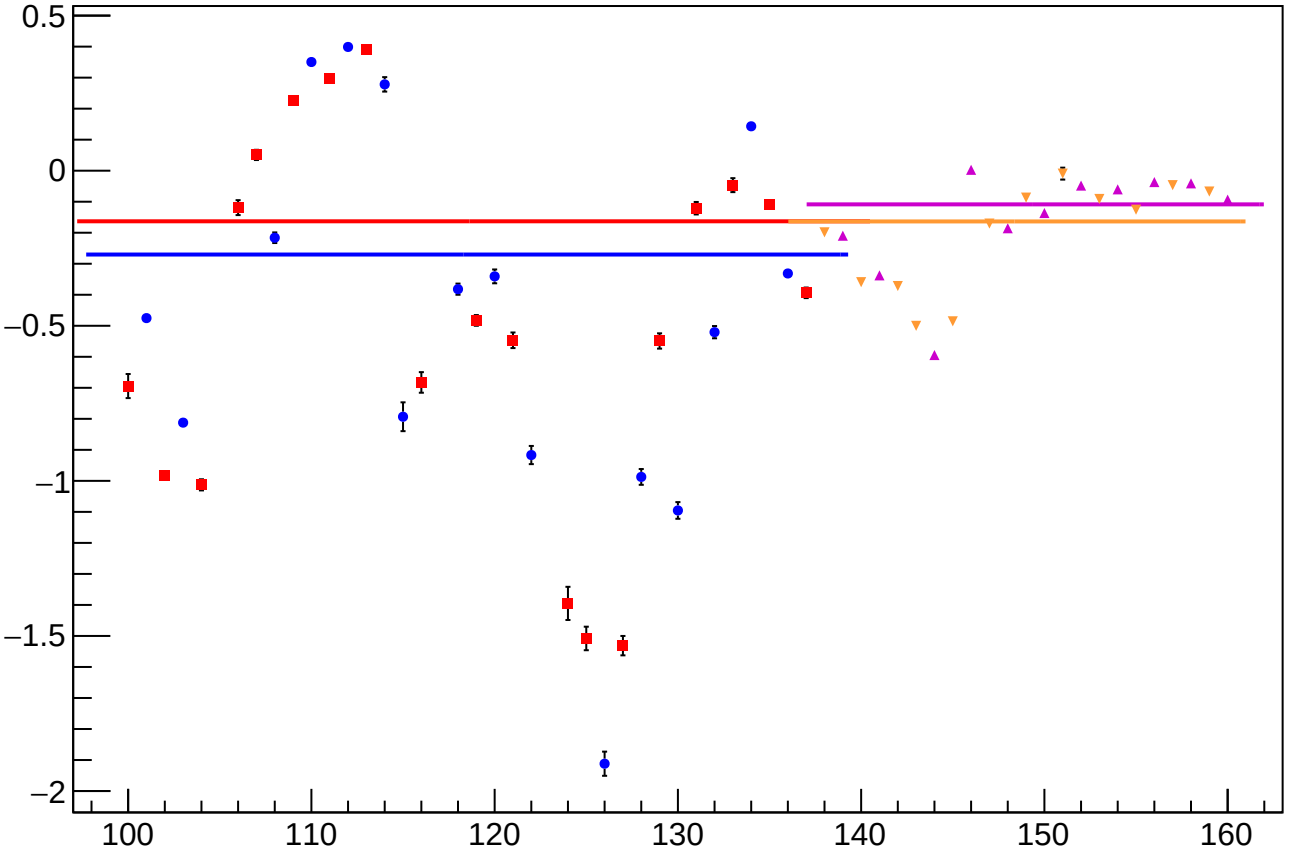
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.801+/-0.041 χ^2/NDF:10603.9/26

Out: -0.742+/-0.045 χ^2/NDF:8281.8/30

All: -0.774+/-0.030 χ^2/NDF: 18886.6/57

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.164+/-0.003 χ^2/NDF:2717.3/11

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.109+/-0.002 χ^2/NDF:2902.1/10

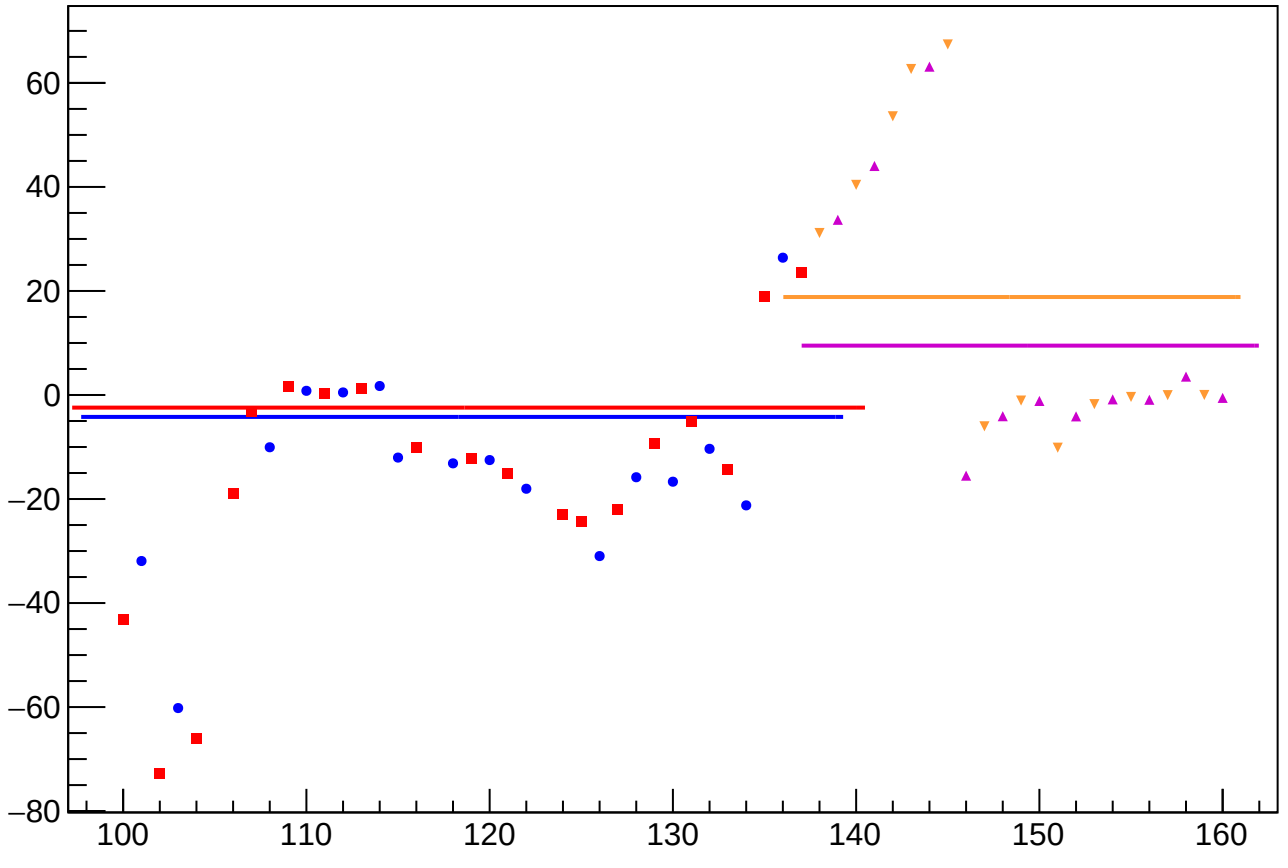
Left: -0.130+/-0.002 χ^2/NDF: 5866.7/22

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.144+/-0.002 χ^2/NDF:16137.1/26

Out: -0.163+/-0.002 χ^2/NDF:18227.4/30

All: -0.152+/-0.001 χ^2/NDF: 34409.7/57



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: 9.490+/-0.065 χ^2/NDF:102423.6/10

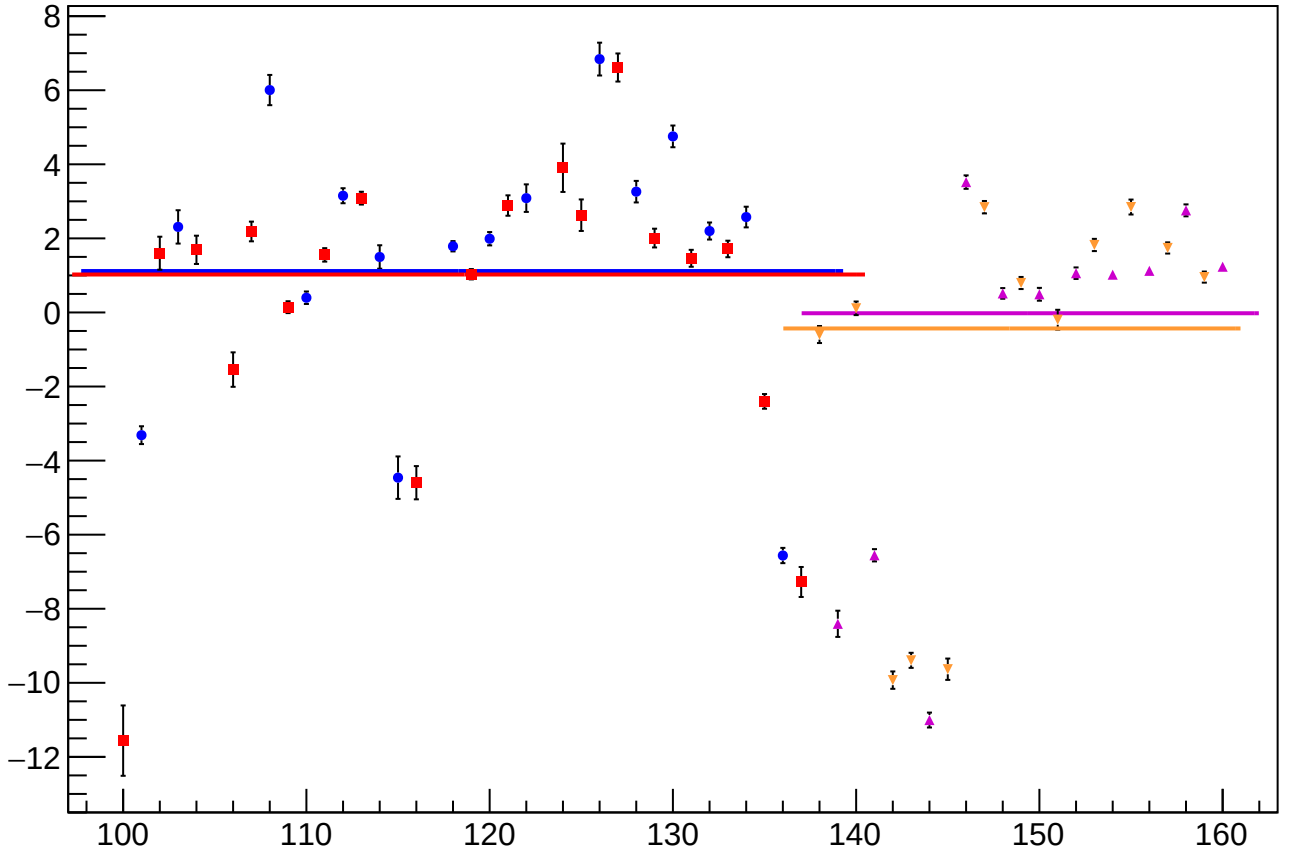
Left: 13.388+/-0.049 χ^2/NDF: 218518.9/22

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.511+/-0.042 χ^2/NDF:203851.3/26

Out: 3.267+/-0.040 χ^2/NDF:244867.8/30

All: 2.437+/-0.029 χ^2/NDF: 449653.2/57



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: -0.021+/-0.045 χ^2/NDF:6147.2/10

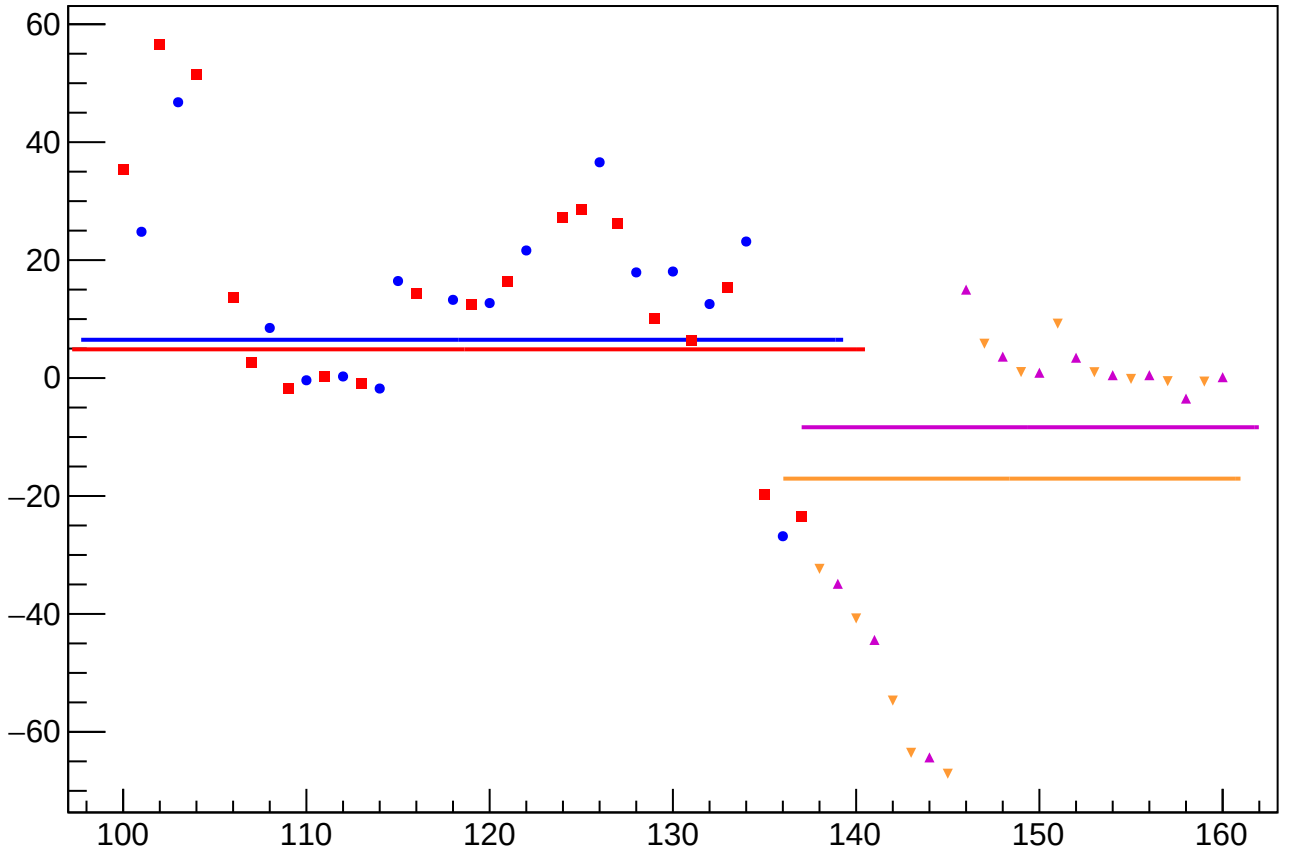
Left: -0.187+/-0.034 χ^2/NDF: 11965.1/22

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.381+/-0.036 χ^2/NDF:8968.8/26

Out: 0.257+/-0.039 χ^2/NDF:7737.0/30

All: 0.325+/-0.027 χ^2/NDF: 16711.2/57



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: -8.340+/-0.061 χ^2/NDF:102879.0/10

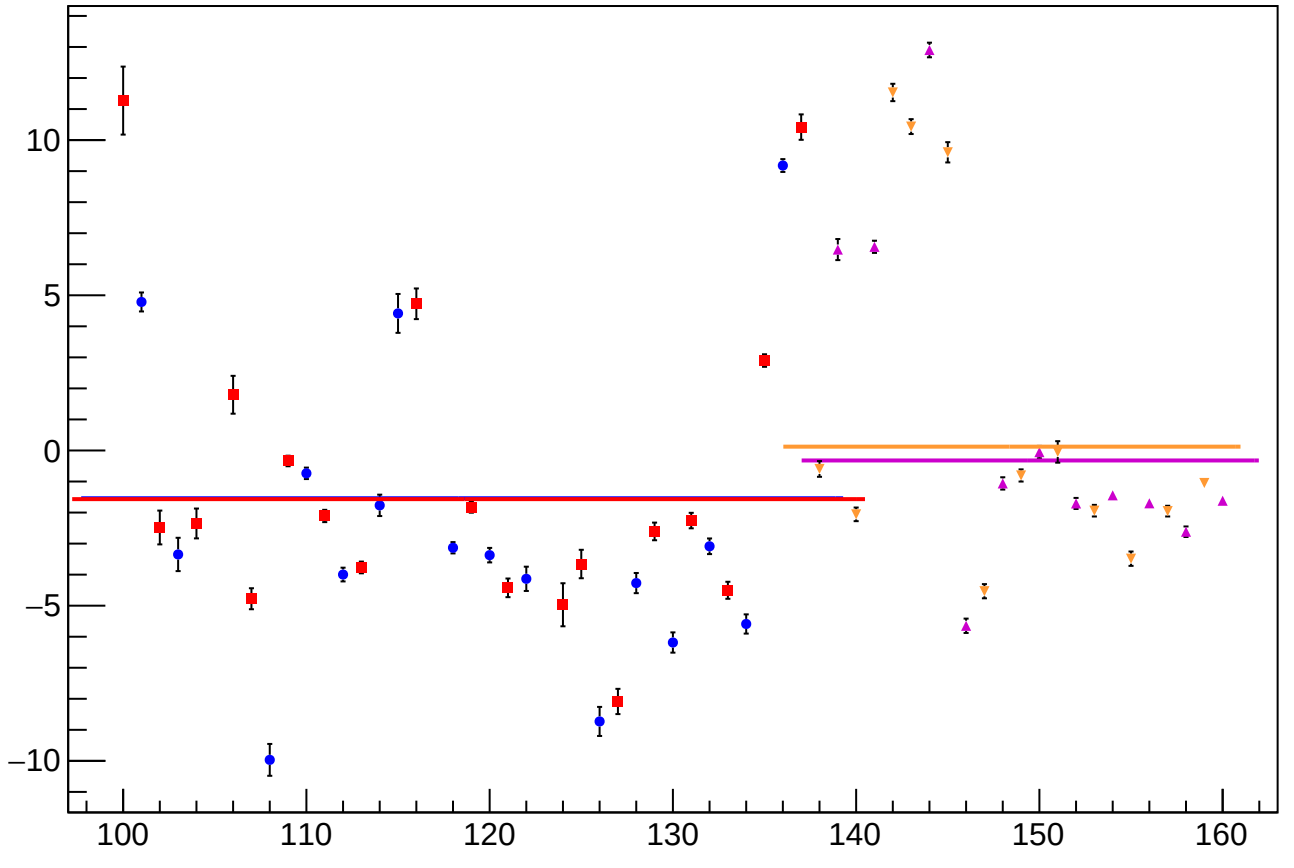
Left: -11.900+/-0.047 χ^2/NDF: 220601.6/22

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.362+/-0.045 χ^2/NDF:200886.7/26

Out: -3.687+/-0.046 χ^2/NDF:238310.4/30

All: -2.487+/-0.032 χ^2/NDF: 440502.9/57



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: -0.322+/-0.051 χ^2/NDF:5867.0/10

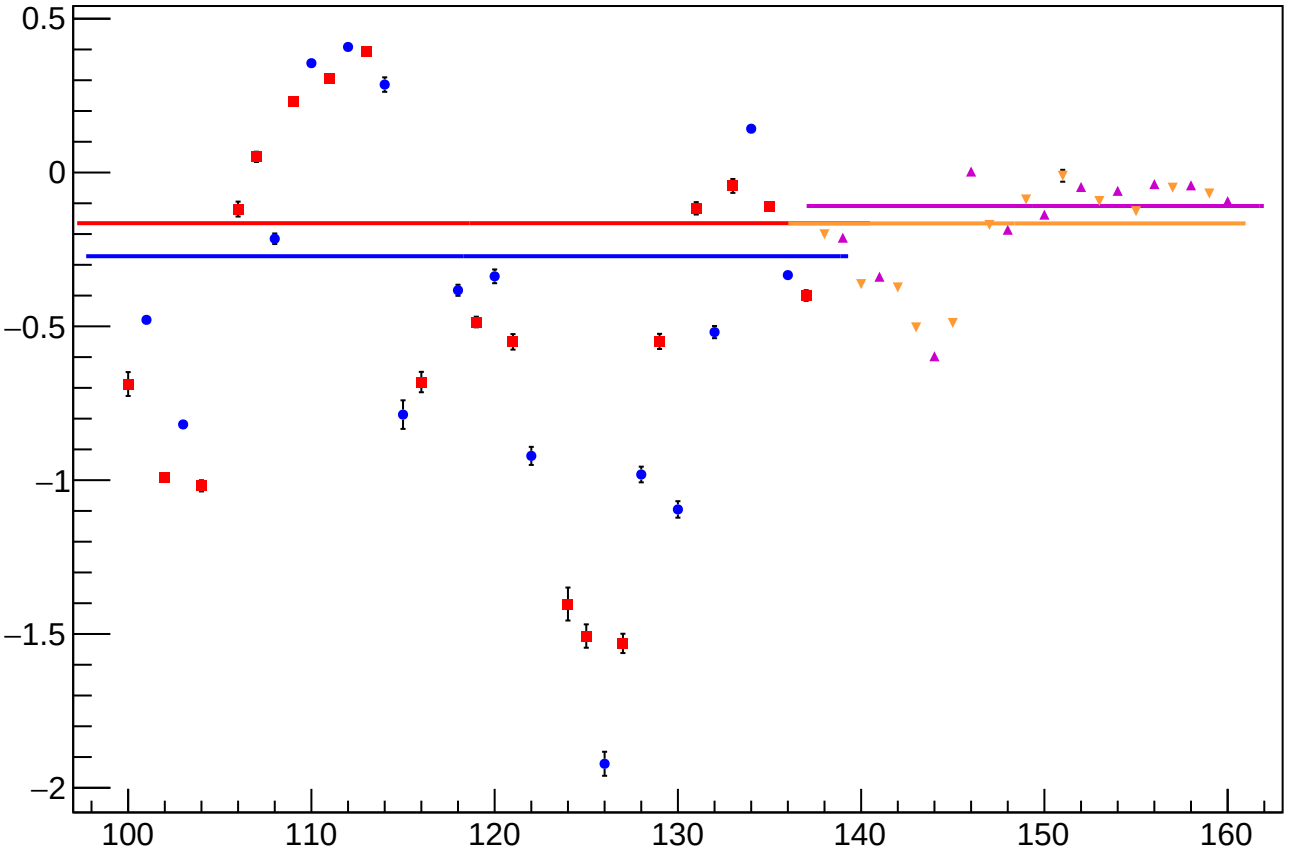
Left: -0.145+/-0.040 χ^2/NDF: 11360.1/22

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.752+/-0.041 χ^2/NDF:10601.0/26

Out: -0.704+/-0.045 χ^2/NDF:8309.9/30

All: -0.730+/-0.031 χ^2/NDF: 18911.6/57



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: -0.109+/-0.002 χ^2/NDF:2908.7/10

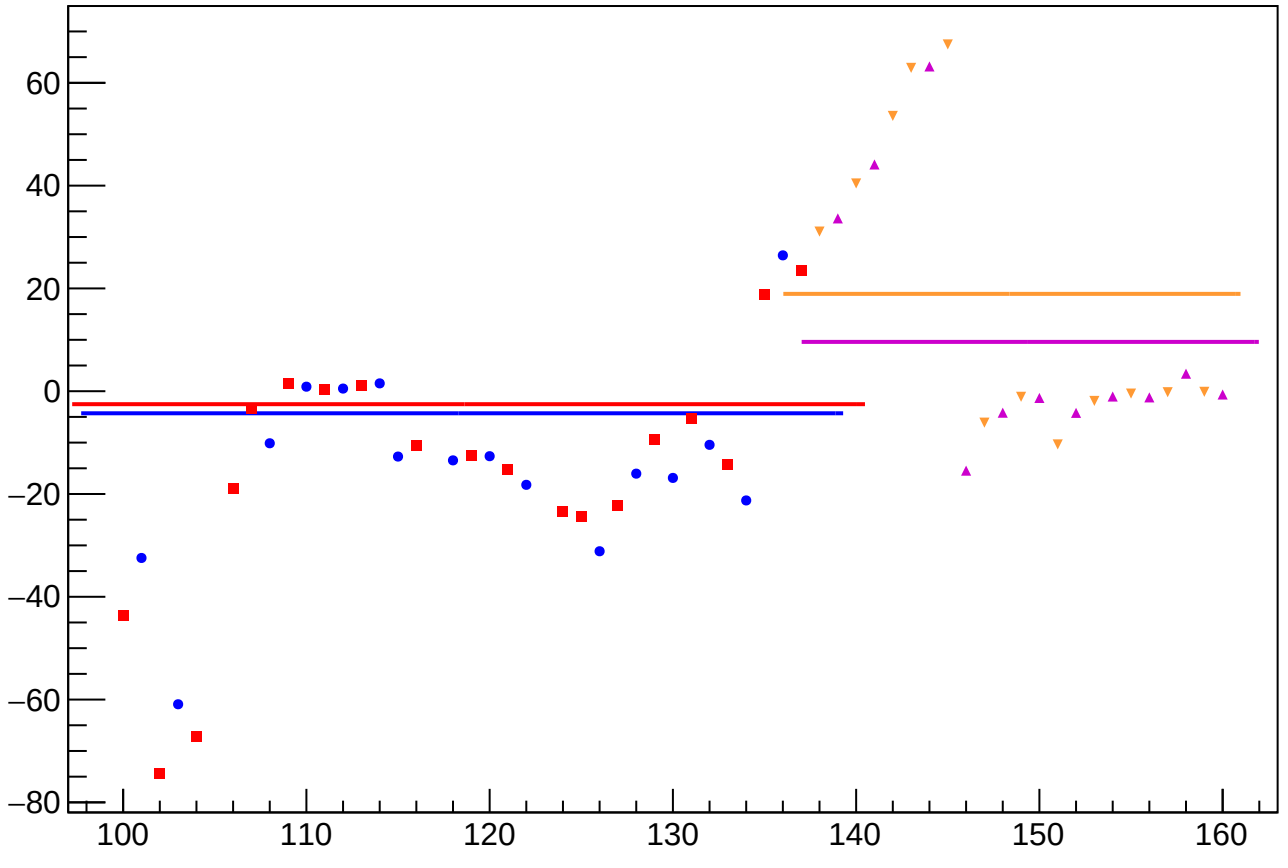
Left: -0.131+/-0.002 χ^2/NDF: 5882.9/22

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.144+/-0.002 χ^2/NDF:16180.1/26

Out: -0.165+/-0.002 χ^2/NDF:18205.4/30

All: -0.153+/-0.001 χ^2/NDF: 34436.1/57



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: 9.595+/-0.066 χ^2/NDF:100619.9/10

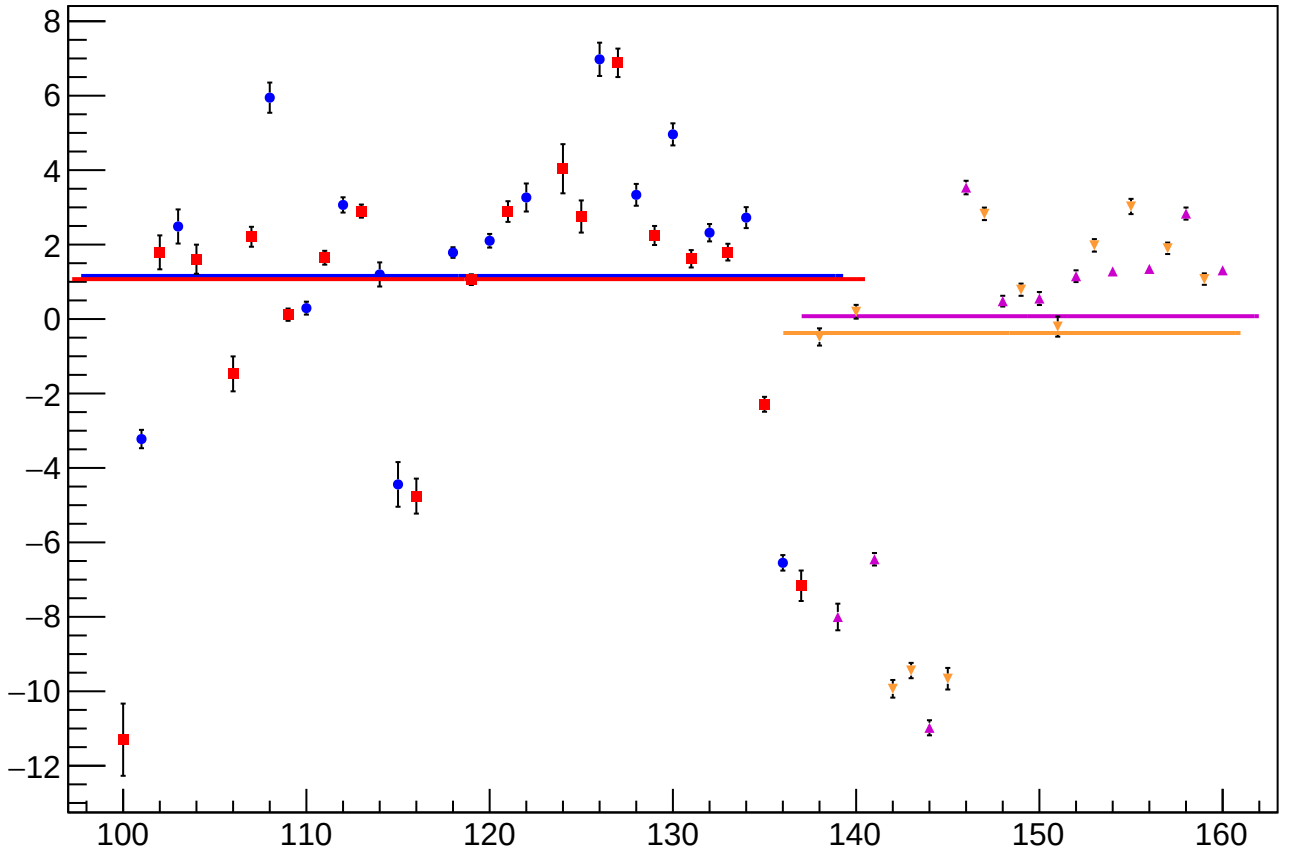
Left: 13.529+/-0.050 χ^2/NDF: 214739.0/22

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.491+/-0.043 χ^2/NDF:200716.2/26

Out: 3.303+/-0.040 χ^2/NDF:241630.8/30

All: 2.446+/-0.029 χ^2/NDF: 443302.3/57



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: 0.076+/-0.046 χ^2/NDF:6035.4/10

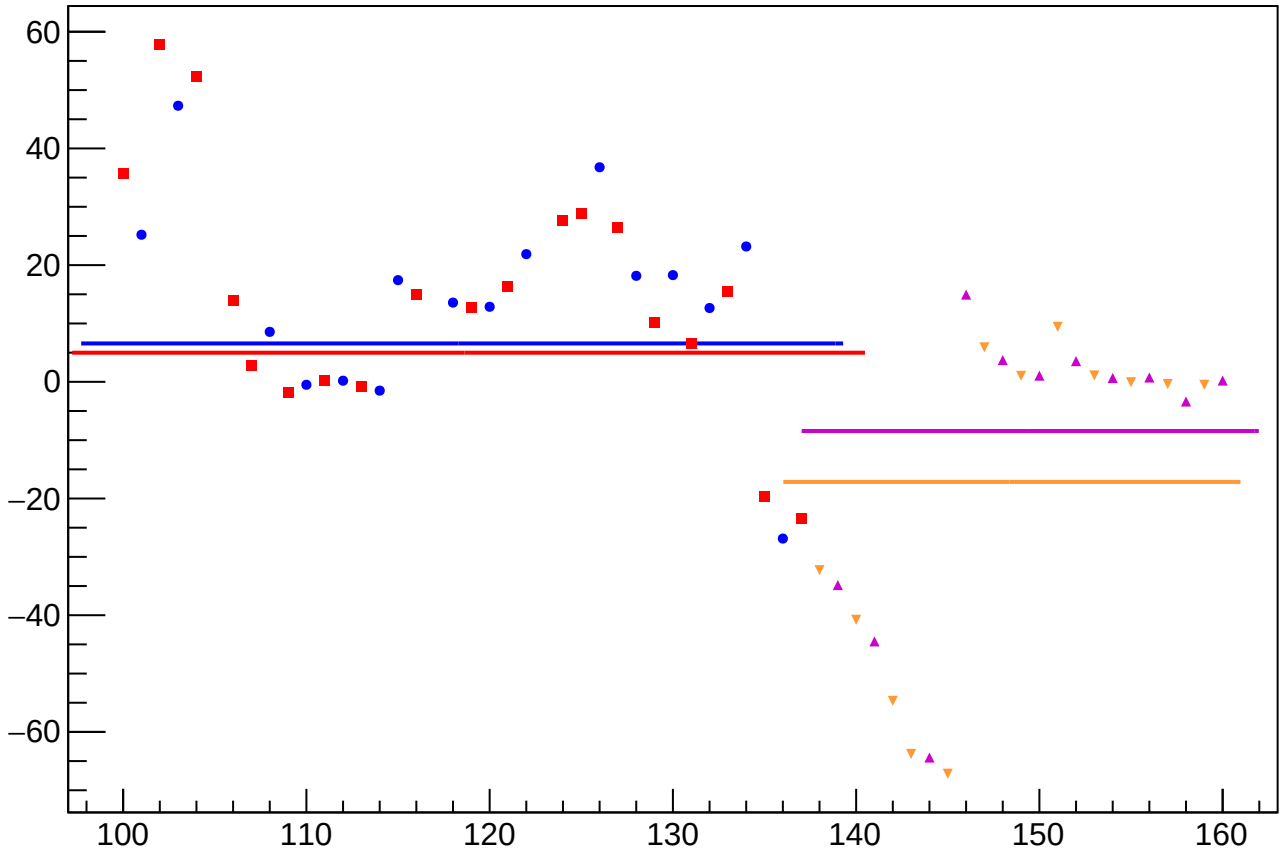
Left: -0.108+/-0.035 χ^2/NDF: 11864.8/22

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.460+/-0.037 χ^2/NDF:8784.7/26

Out: 0.306+/-0.040 χ^2/NDF:7666.6/30

All: 0.390+/-0.027 χ^2/NDF: 16459.4/57



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: -8.429+/-0.063 χ^2/NDF:101086.0/10

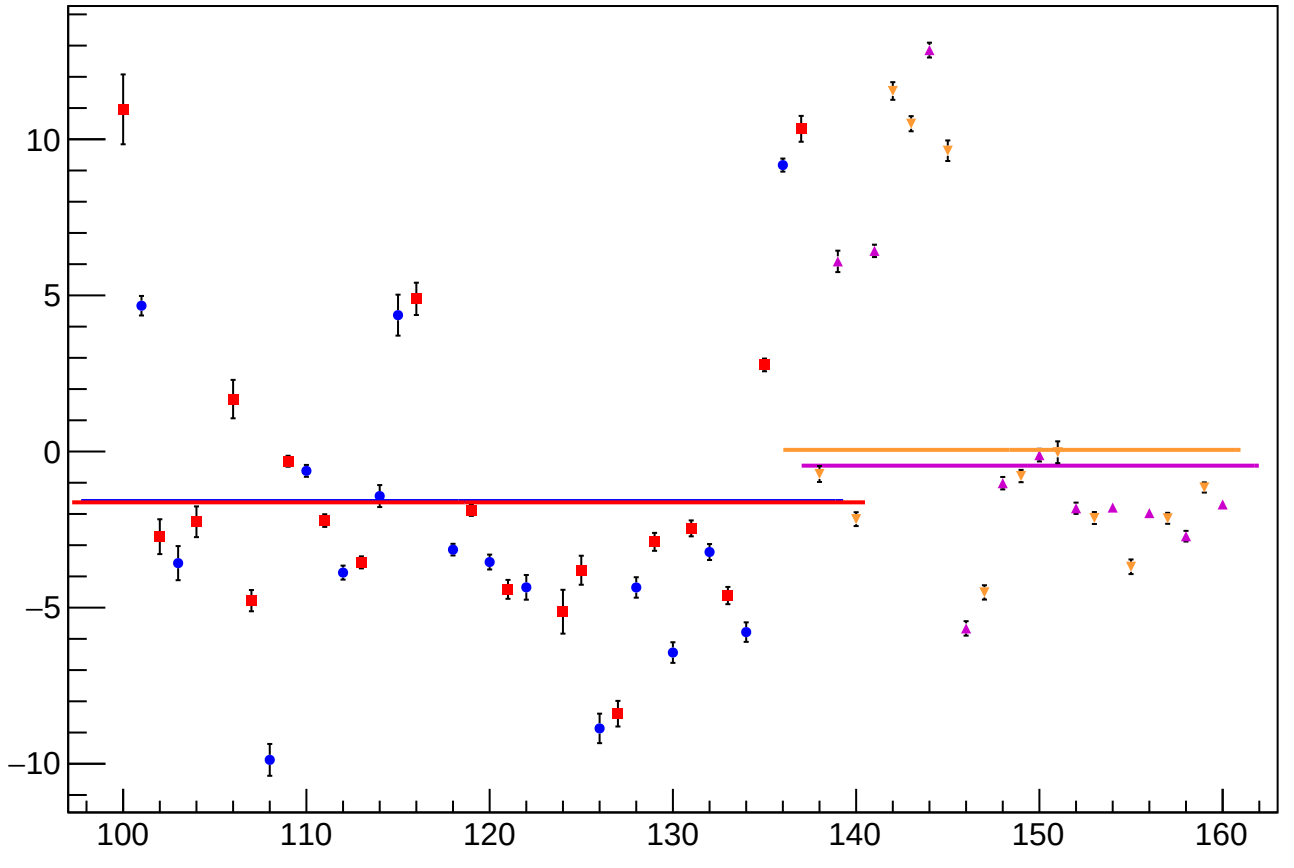
Left: -12.028+/-0.048 χ^2/NDF: 216817.1/22

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.340+/-0.046 χ^2/NDF:197773.2/26

Out: -3.724+/-0.047 χ^2/NDF:235119.2/30

All: -2.496+/-0.033 χ^2/NDF: 434215.2/57



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: -0.453+/-0.053 χ^2/NDF:5773.2/10

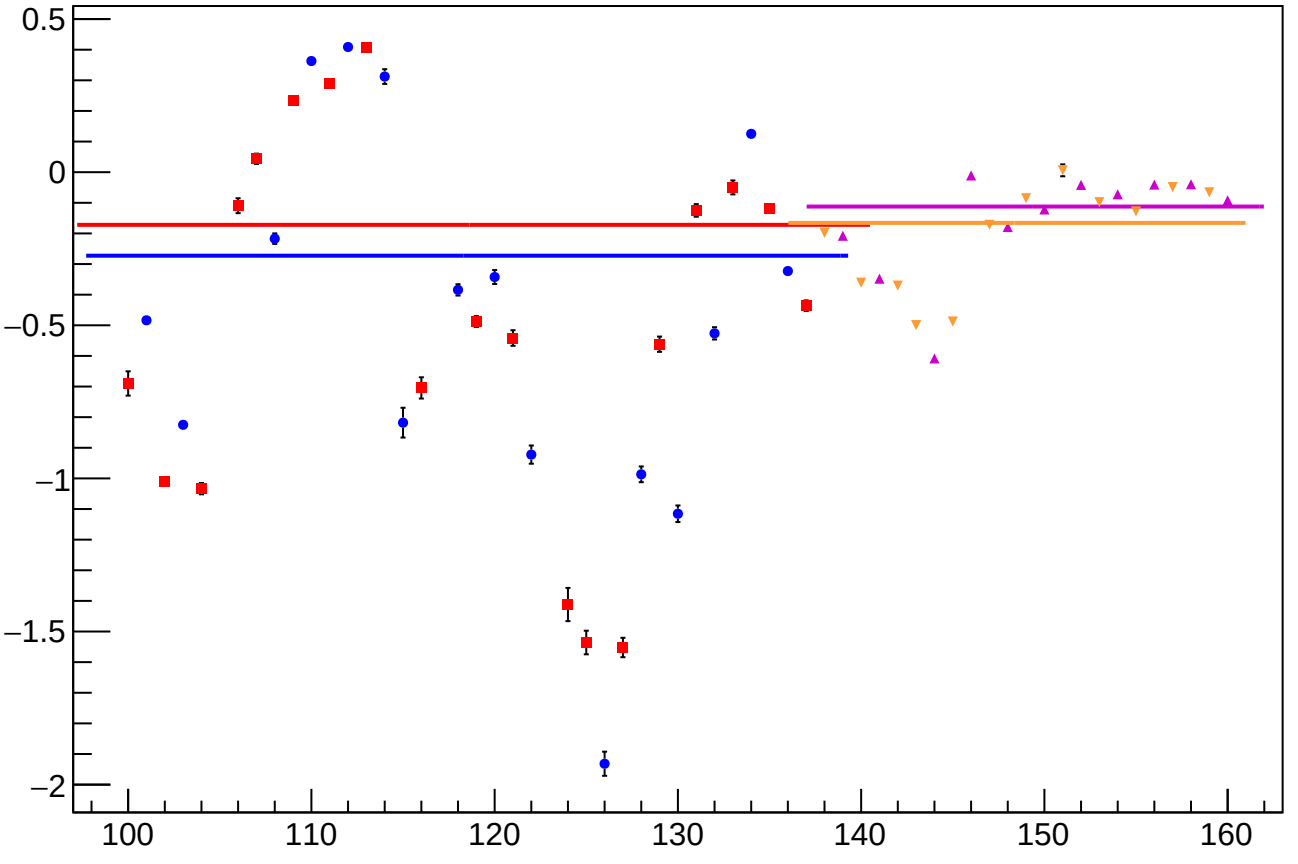
Left: -0.250+/-0.041 χ^2/NDF: 11286.2/22

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.856+/-0.042 χ^2/NDF:10410.9/26

Out: -0.766+/-0.046 χ^2/NDF:8232.5/30

All: -0.814+/-0.031 χ^2/NDF: 18645.4/57



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.166+/-0.003 χ^2/NDF:2628.4/11

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.112+/-0.002 χ^2/NDF:2863.1/10

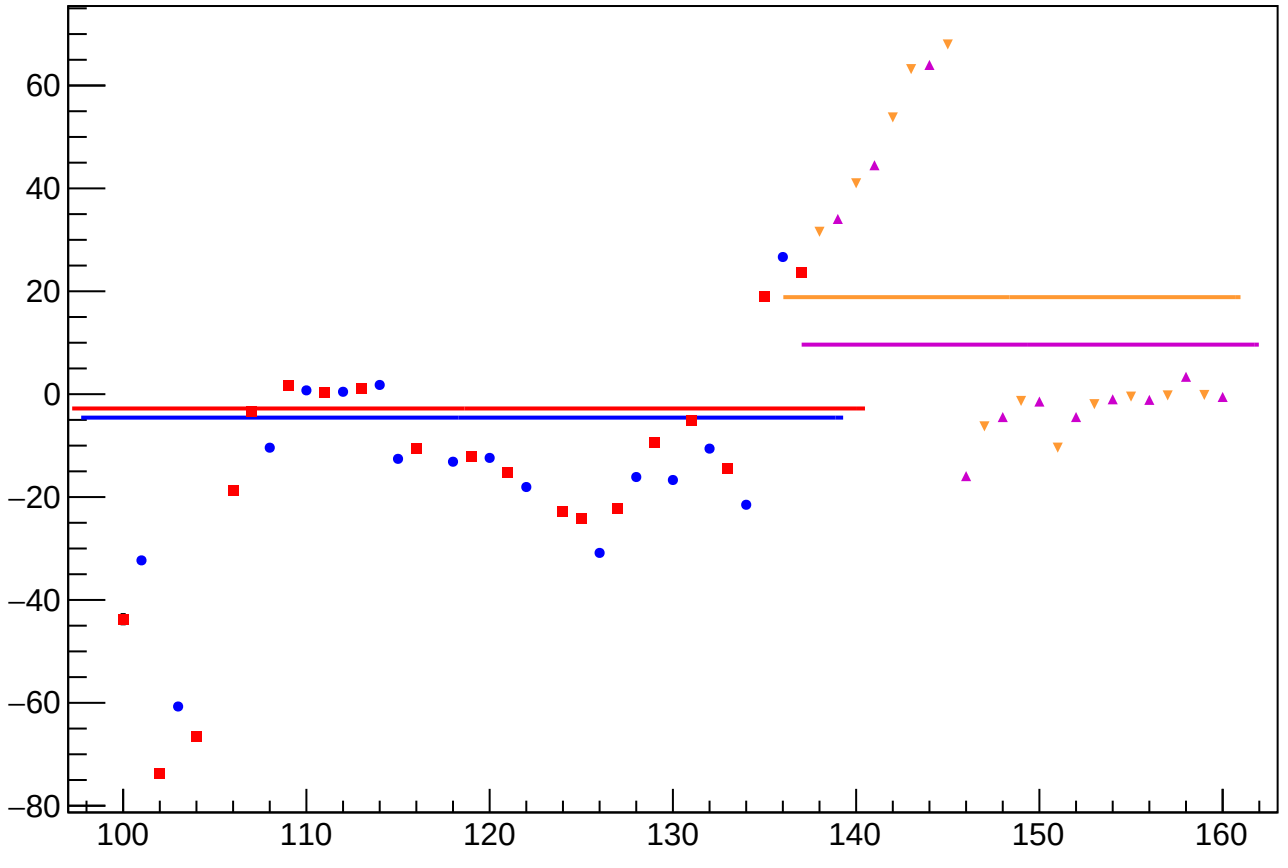
Left: -0.133+/-0.002 χ^2/NDF: 5713.9/22

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.147+/-0.002 χ^2/NDF:15847.3/26

Out: -0.168+/-0.002 χ^2/NDF:17952.5/30

All: -0.156+/-0.001 χ^2/NDF: 33845.8/57



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: 9.630+/-0.067 χ^2/NDF:99466.5/10

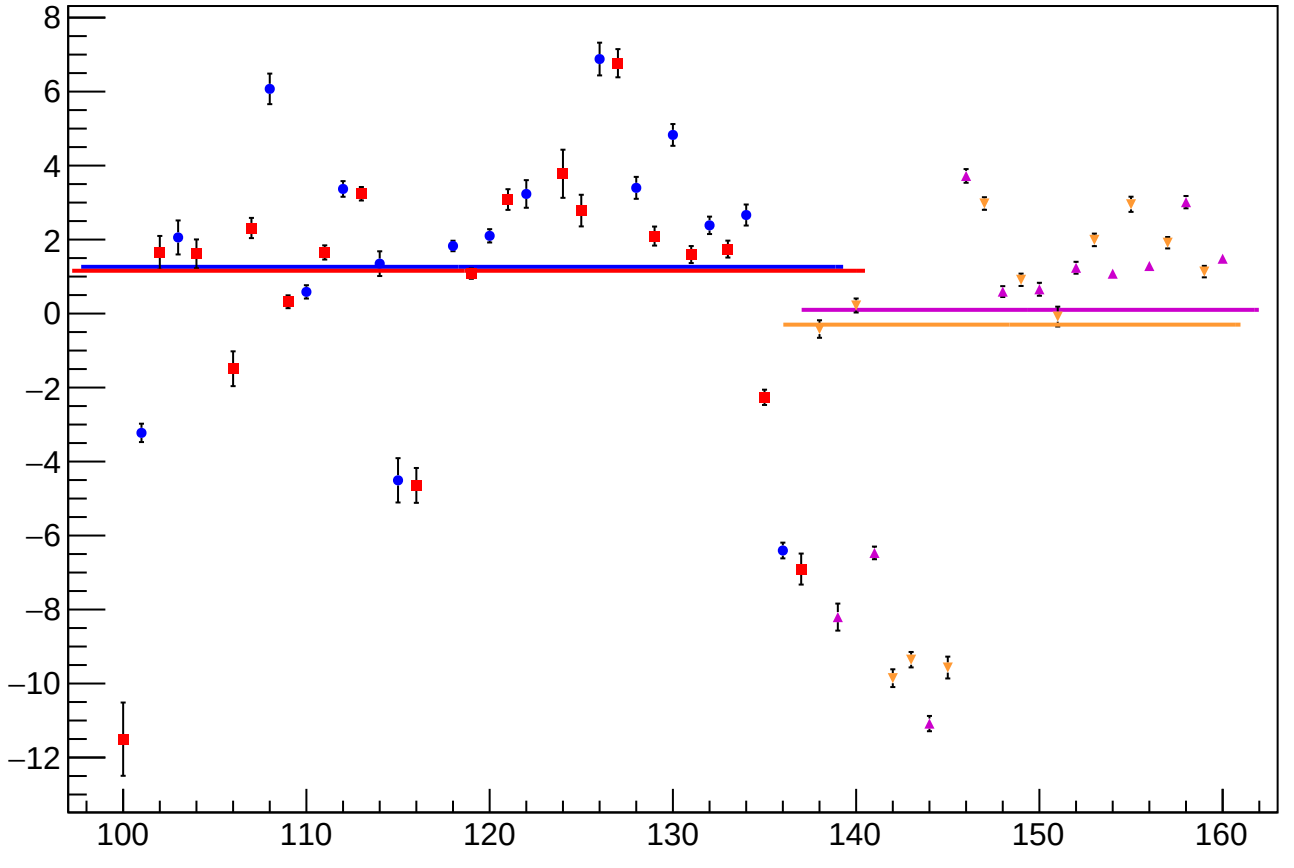
Left: 13.529+/-0.051 χ^2/NDF: 212281.3/22

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.368+/-0.043 χ^2/NDF:198152.7/26

Out: 3.209+/-0.041 χ^2/NDF:237791.5/30

All: 2.334+/-0.030 χ^2/NDF: 436891.1/57



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: 0.101+/-0.046 χ^2/NDF:5975.9/10

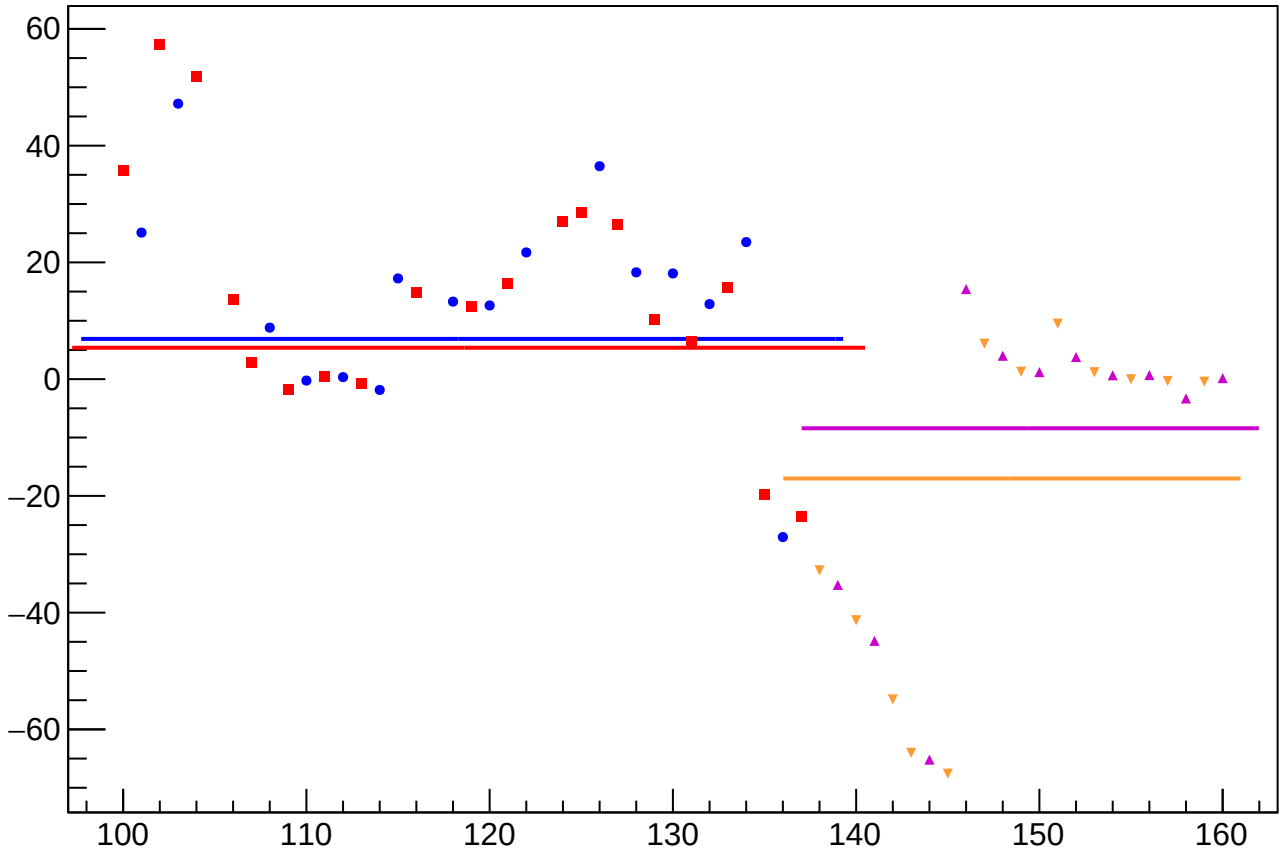
Left: -0.063+/-0.036 χ^2/NDF: 11615.8/22

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.518+/-0.037 χ^2/NDF:8644.9/26

Out: 0.385+/-0.041 χ^2/NDF:7422.0/30

All: 0.457+/-0.027 χ^2/NDF: 16072.7/57



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: -8.416+/-0.064 χ^2/NDF:99899.5/10

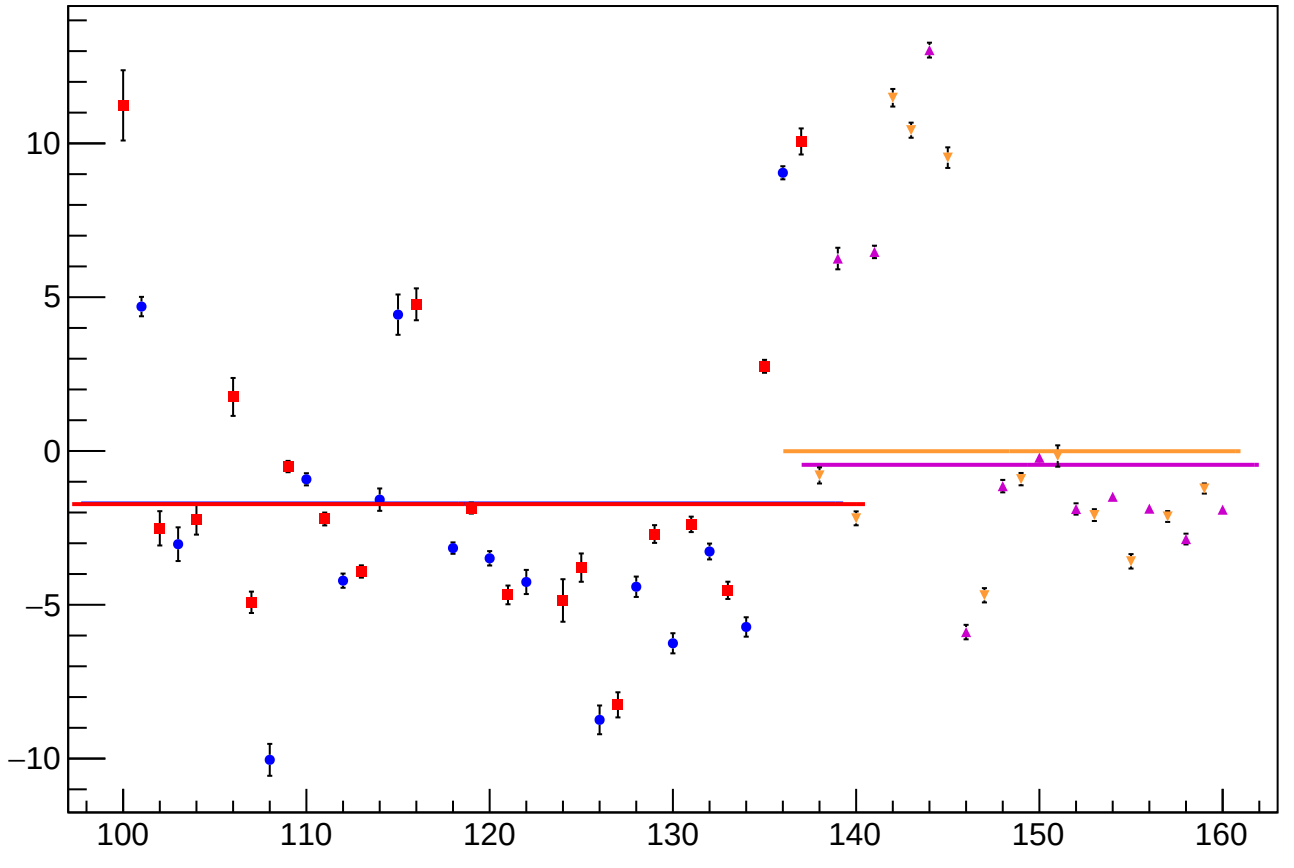
Left: -11.978+/-0.049 χ^2/NDF: 214179.8/22

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.166+/-0.046 χ^2/NDF:195145.2/26

Out: -3.518+/-0.048 χ^2/NDF:231385.2/30

All: -2.304+/-0.033 χ^2/NDF: 427775.9/57



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: -0.450+/-0.053 χ^2/NDF:5725.6/10

Left: -0.271+/-0.041 χ^2/NDF: 11058.1/22

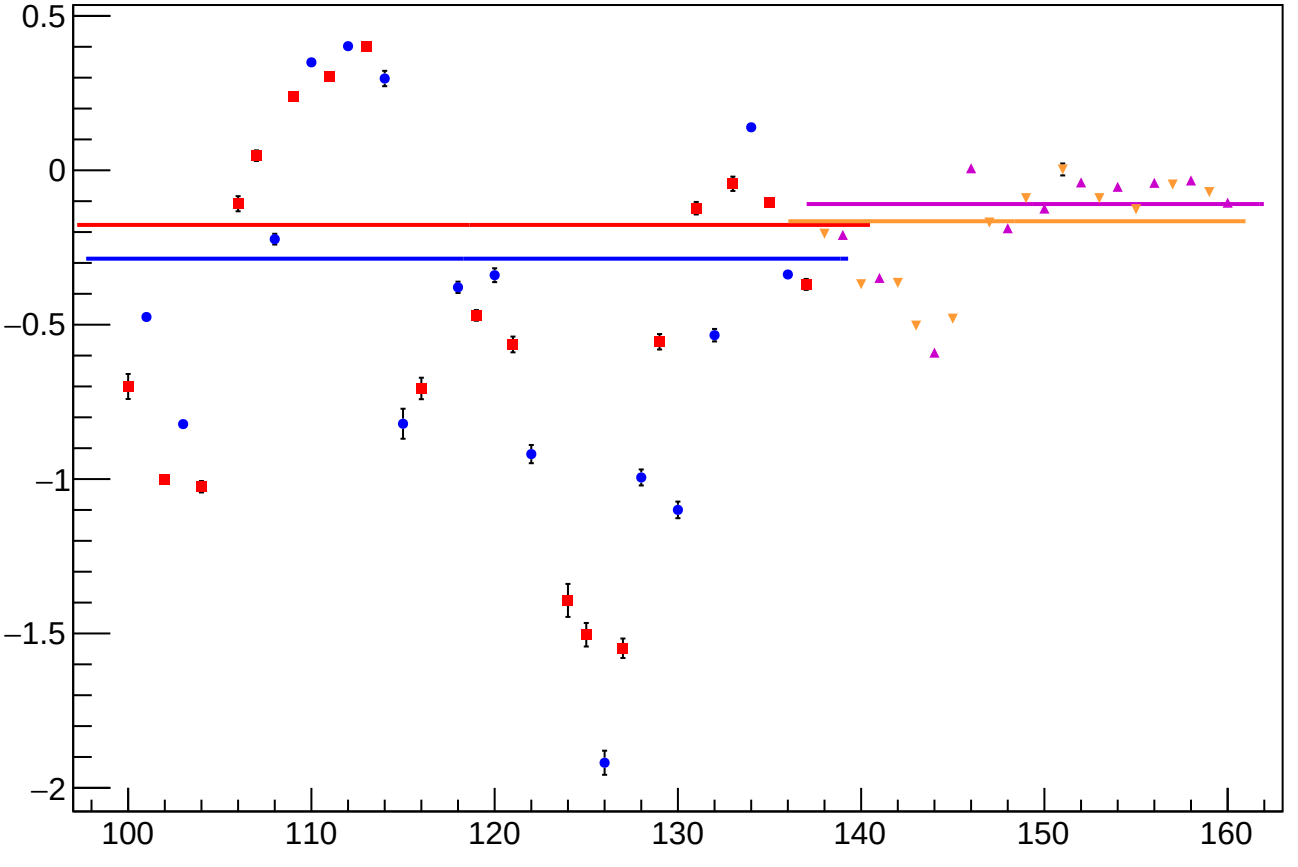
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.900+/-0.043 χ^2/NDF:10213.7/26

Out: -0.842+/-0.047 χ^2/NDF:7955.1/30

All: -0.873+/-0.032 χ^2/NDF: 18169.7/57

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.165+/-0.003 χ^2/NDF:2588.5/11

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.109+/-0.002 χ^2/NDF:2775.7/10

Left: -0.131+/-0.002 χ^2/NDF: 5599.4/22

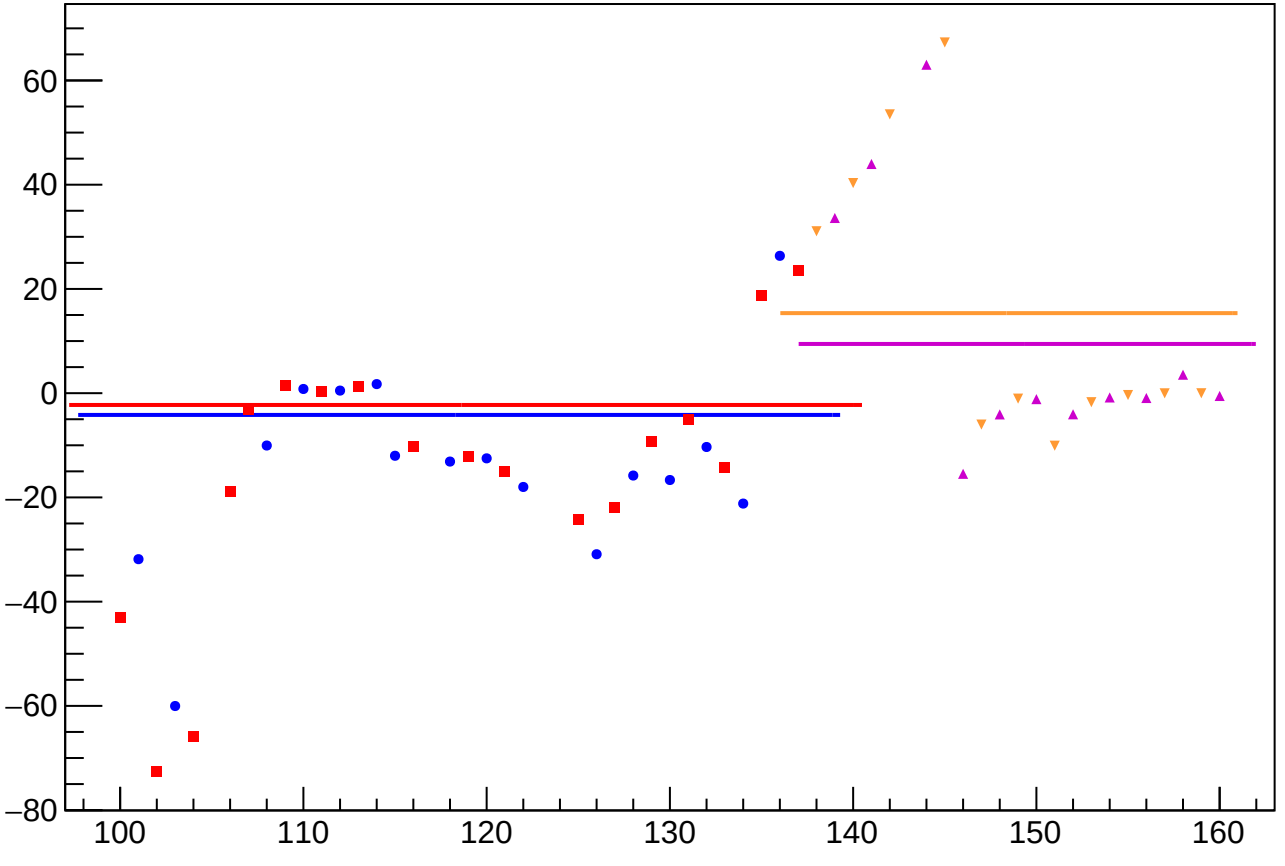
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.148+/-0.002 χ^2/NDF:15469.0/26

Out: -0.169+/-0.002 χ^2/NDF:17362.3/30

All: -0.157+/-0.002 χ^2/NDF: 32877.5/57

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: 9.444+/-0.064 χ^2/NDF:102673.6/10

Left: 11.801+/-0.050 χ^2/NDF: 187756.5/21

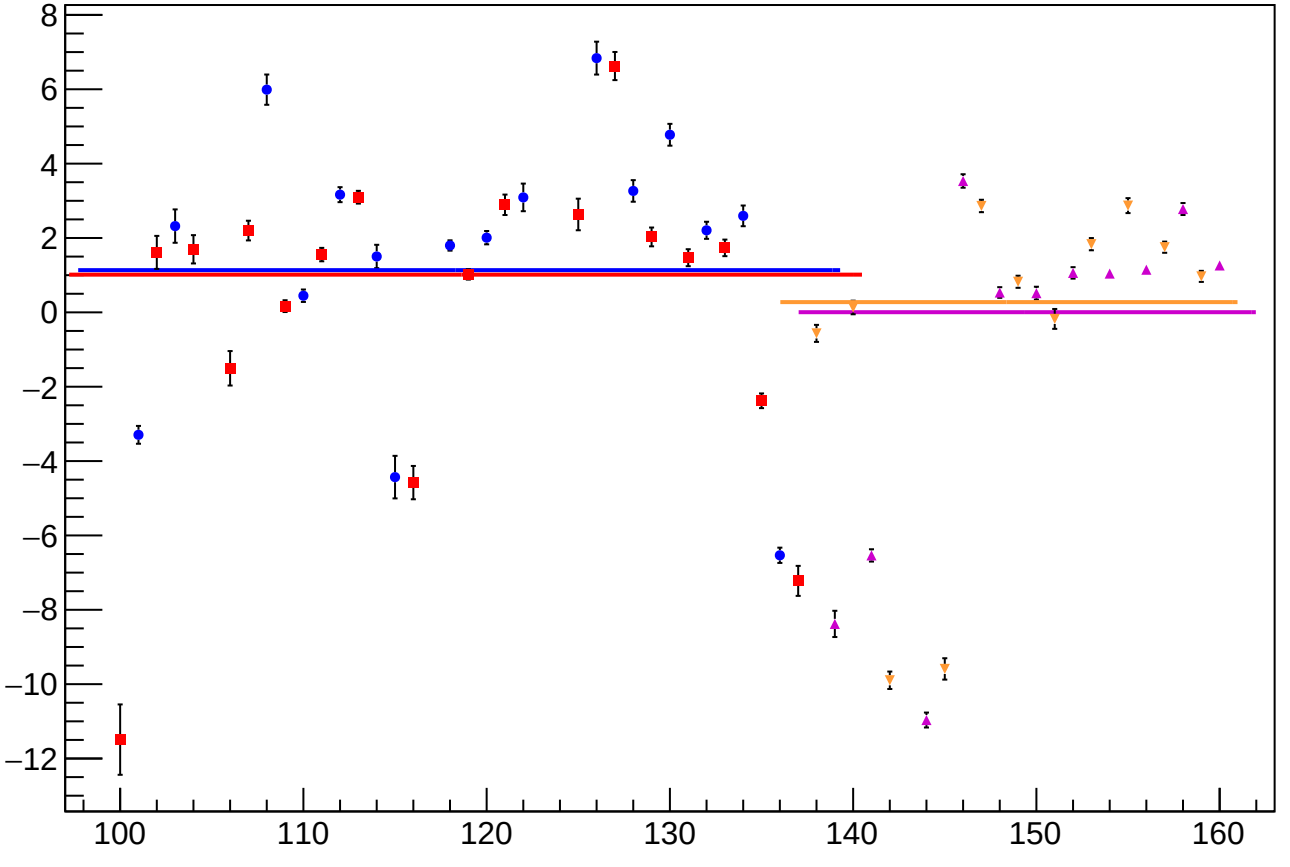
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.513+/-0.042 χ^2/NDF:204187.3/26

Out: 2.205+/-0.040 χ^2/NDF:198463.4/28

All: 1.874+/-0.029 χ^2/NDF: 402795.2/55

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: 0.004+/-0.044 χ^2/NDF:6168.9/10

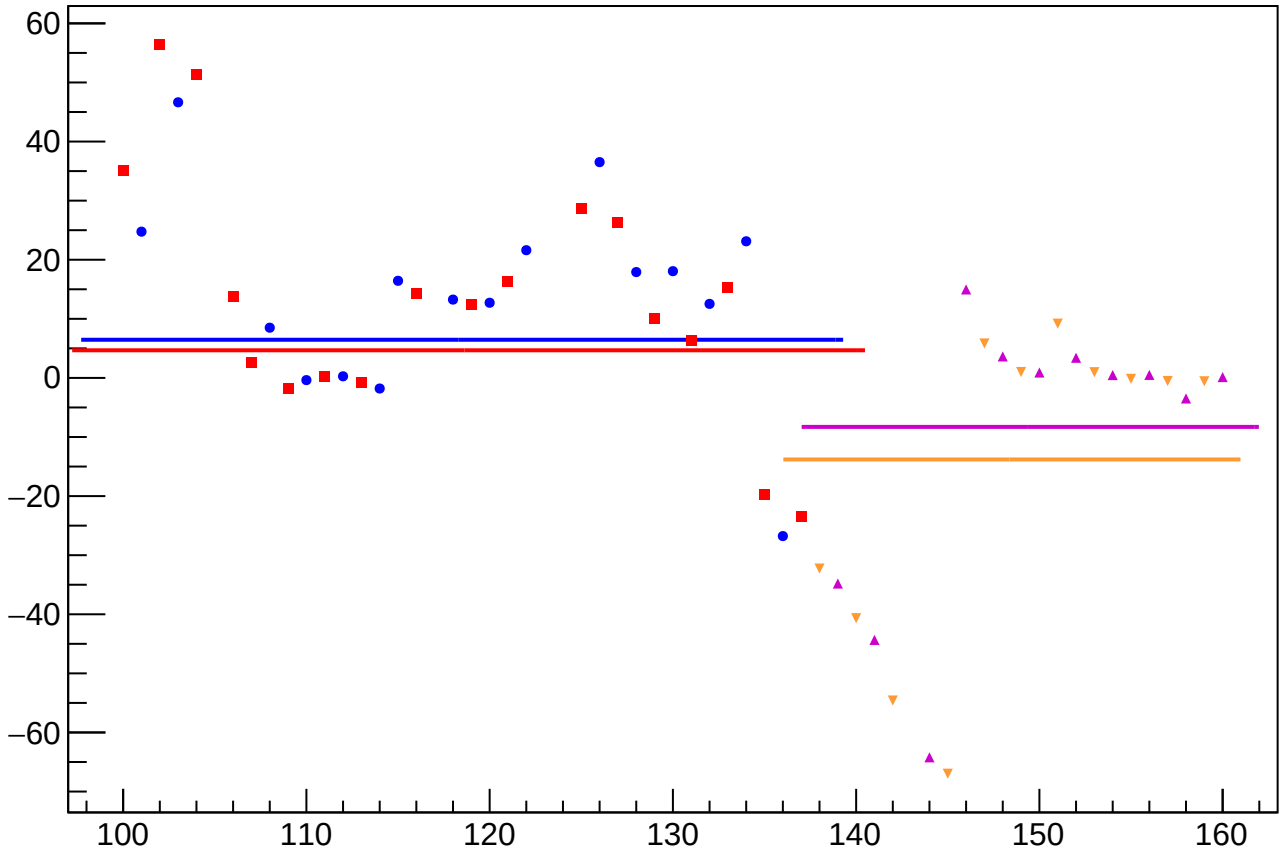
Left: 0.109+/-0.035 χ^2/NDF: 9888.0/21

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.404+/-0.036 χ^2/NDF:8993.1/26

Out: 0.638+/-0.040 χ^2/NDF:5382.7/28

All: 0.507+/-0.027 χ^2/NDF: 14394.8/55



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: -8.288+/-0.061 χ^2/NDF:103114.5/10

Left: -10.448+/-0.048 χ^2/NDF: 188761.1/21

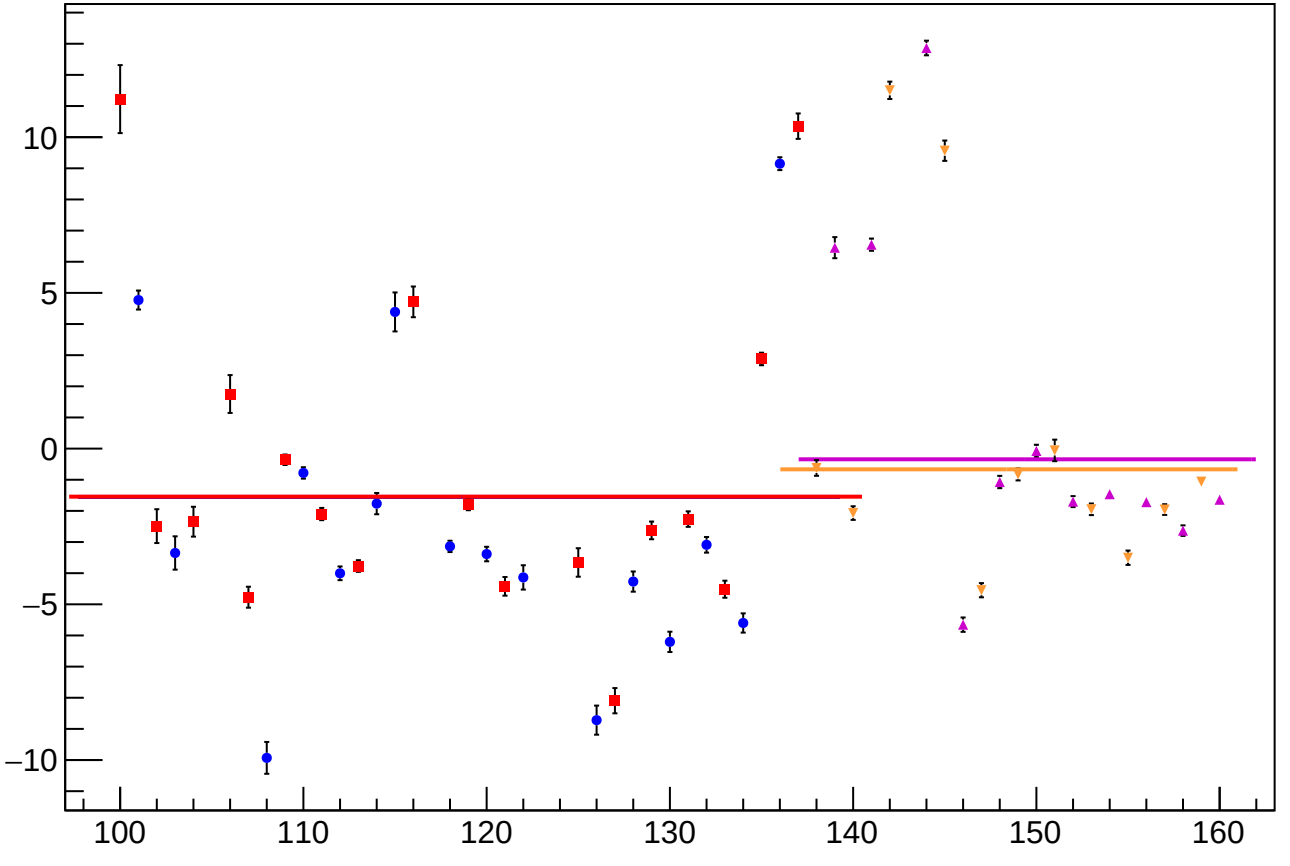
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.354+/-0.045 χ^2/NDF:201205.8/26

Out: -2.258+/-0.047 χ^2/NDF:193581.1/28

All: -1.785+/-0.032 χ^2/NDF: 394982.9/55

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: -0.344+/-0.051 χ^2/NDF:5885.3/10

Left: -0.466+/-0.040 χ^2/NDF: 9382.7/21

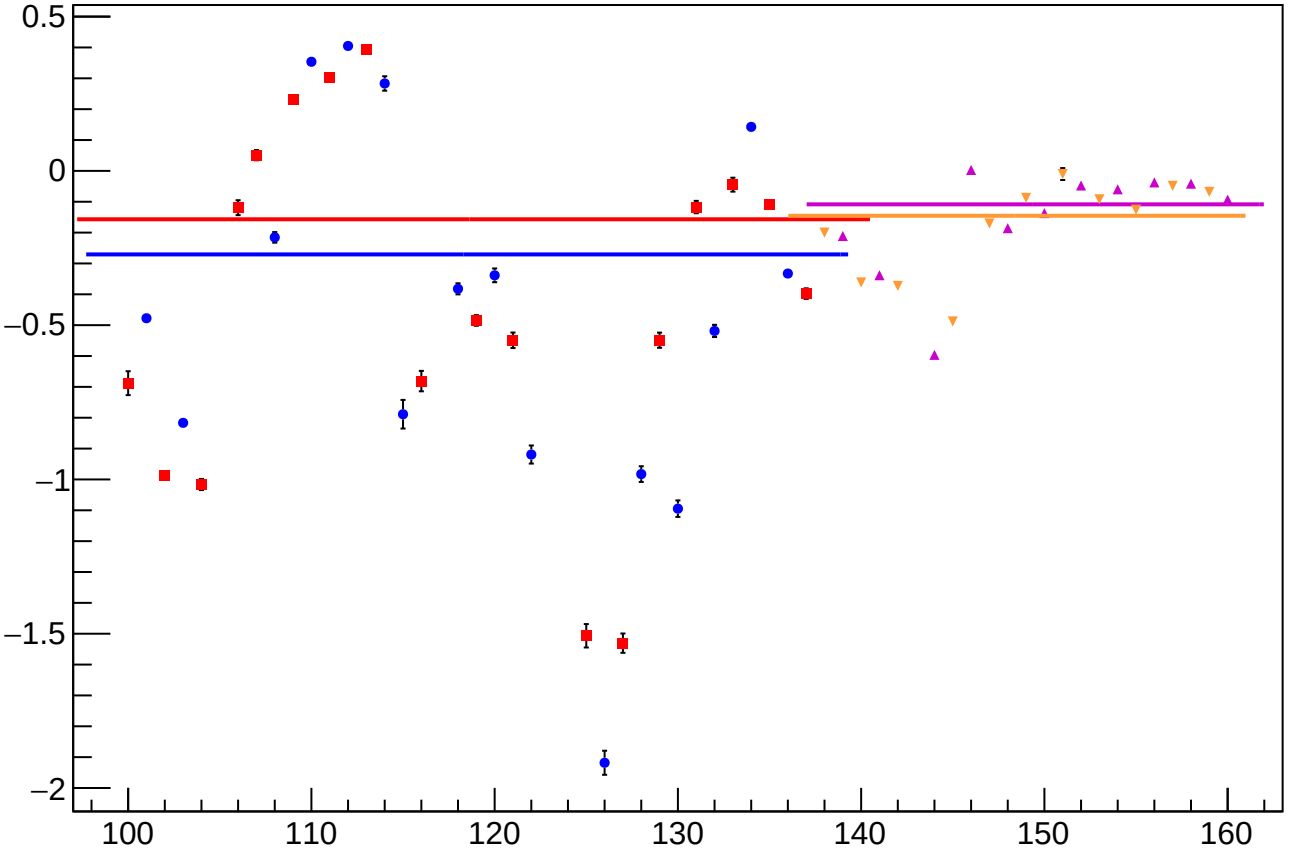
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.770+/-0.041 χ^2/NDF:10625.4/26

Out: -1.109+/-0.046 χ^2/NDF:6046.7/28

All: -0.921+/-0.031 χ^2/NDF: 16702.3/55

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: -0.108+/-0.002 χ^2/NDF:2915.5/10

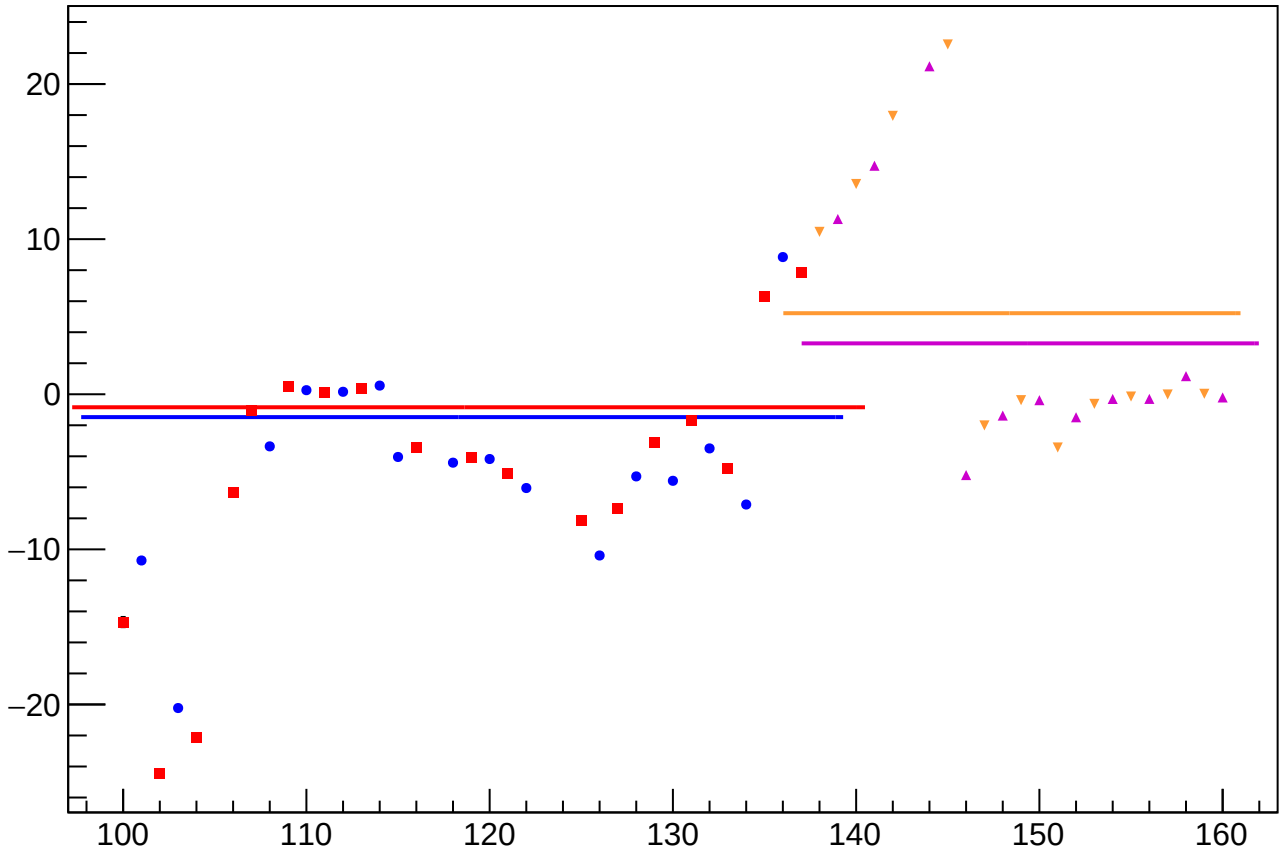
Left: -0.122+/-0.002 χ^2/NDF: 4887.0/21

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.143+/-0.002 χ^2/NDF:16215.2/26

Out: -0.150+/-0.002 χ^2/NDF:16888.0/28

All: -0.146+/-0.001 χ^2/NDF: 33107.4/55



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: 3.281+/-0.022 χ^2/NDF:100016.4/10

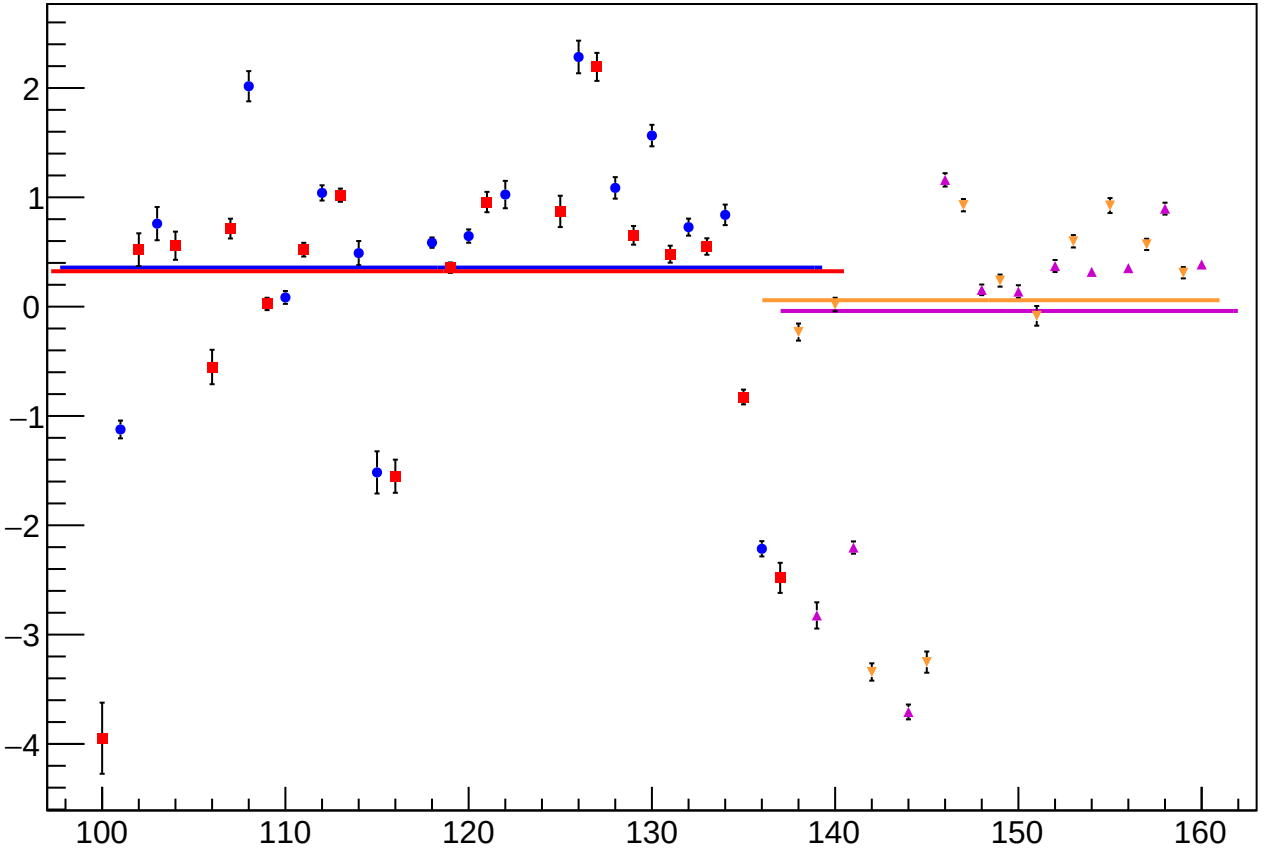
Left: 4.065+/-0.017 χ^2/NDF: 183096.0/21

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.506+/-0.014 χ^2/NDF:200543.1/26

Out: 0.744+/-0.014 χ^2/NDF:195324.2/28

All: 0.629+/-0.010 χ^2/NDF: 396010.6/55



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: -0.039+/-0.015 χ^2/NDF:6005.0/10

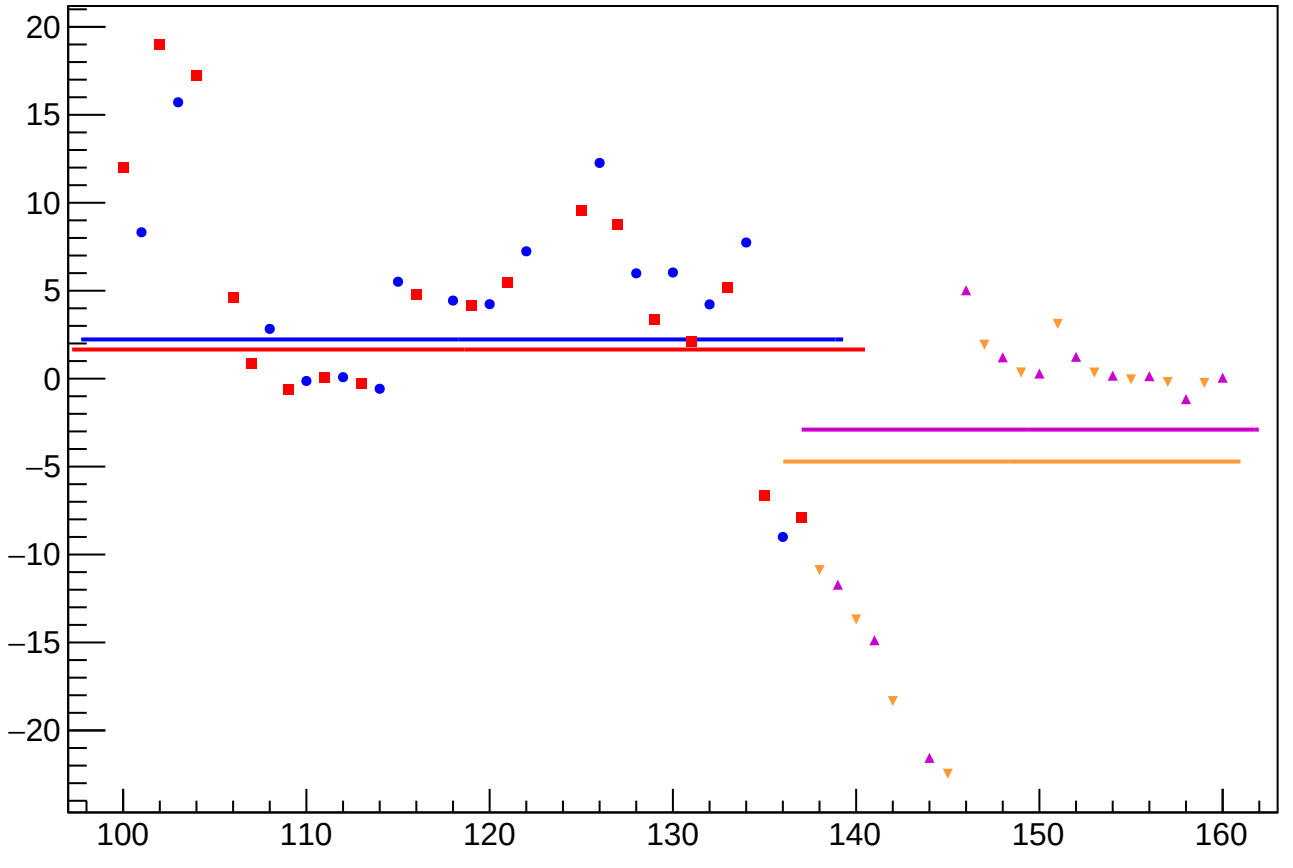
Left: -0.001+/-0.012 χ^2/NDF: 9665.7/21

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.102+/-0.012 χ^2/NDF:8786.7/26

Out: 0.188+/-0.014 χ^2/NDF:5296.8/28

All: 0.140+/-0.009 χ^2/NDF: 14104.8/55



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: -2.897+/-0.021 χ^2/NDF:100585.3/10

Left: -3.618+/-0.016 χ^2/NDF: 184289.1/21

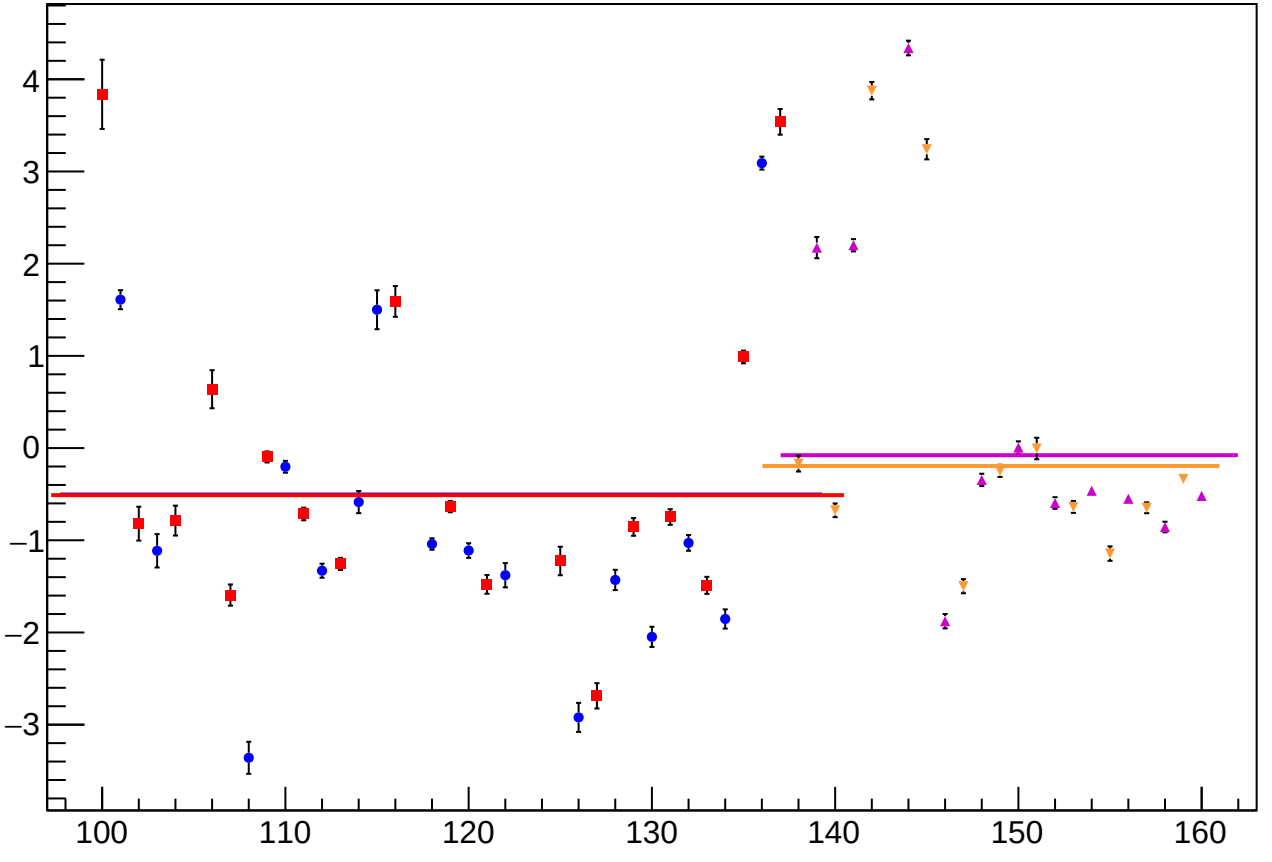
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.466+/-0.015 χ^2/NDF:197661.6/26

Out: -0.772+/-0.016 χ^2/NDF:190565.7/28

All: -0.612+/-0.011 χ^2/NDF: 388416.4/55

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: -0.077+/-0.018 χ^2/NDF:5741.2/10

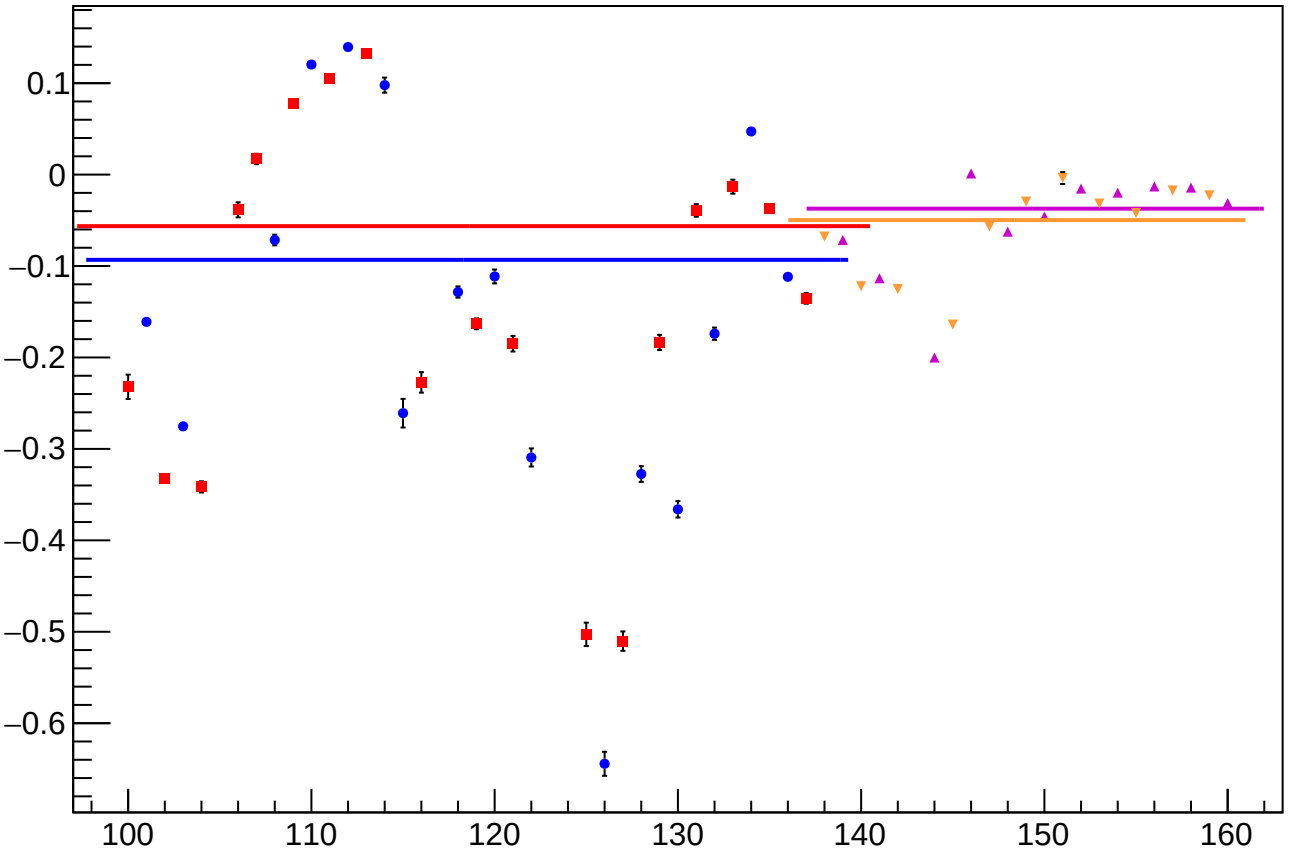
Left: -0.122+/-0.014 χ^2/NDF: 9185.4/21

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.230+/-0.014 χ^2/NDF:10396.2/26

Out: -0.353+/-0.016 χ^2/NDF:5952.2/28

All: -0.285+/-0.011 χ^2/NDF: 16382.0/55



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: -0.037+/-0.001 χ^2/NDF:2839.3/10

Left: -0.042+/-0.001 χ^2/NDF: 4761.2/21

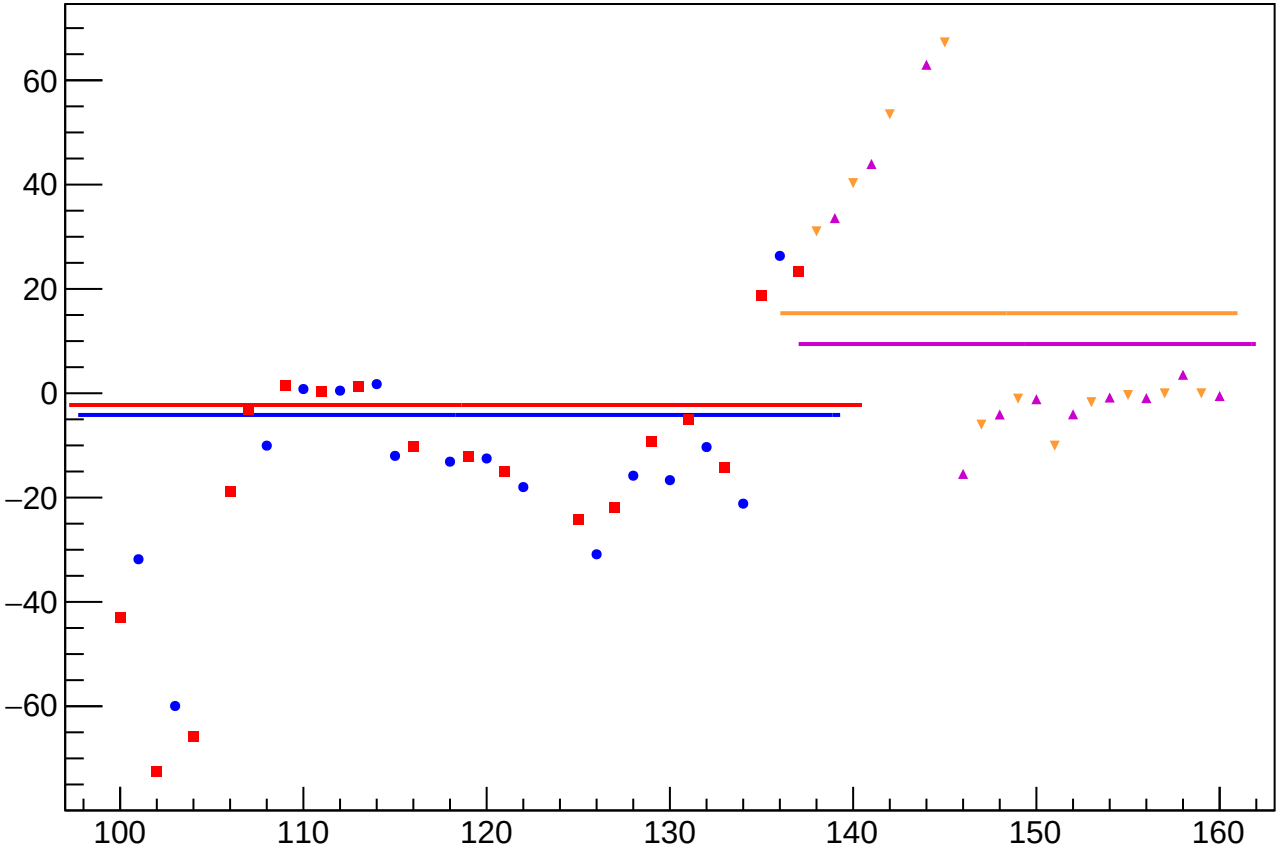
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.050+/-0.001 χ^2/NDF:15803.9/26

Out: -0.052+/-0.001 χ^2/NDF:16291.3/28

All: -0.051+/-0.001 χ^2/NDF: 32101.2/55

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: 9.438+/-0.064 χ^2/NDF:102686.1/10

Left: 11.792+/-0.050 χ^2/NDF: 187764.0/21

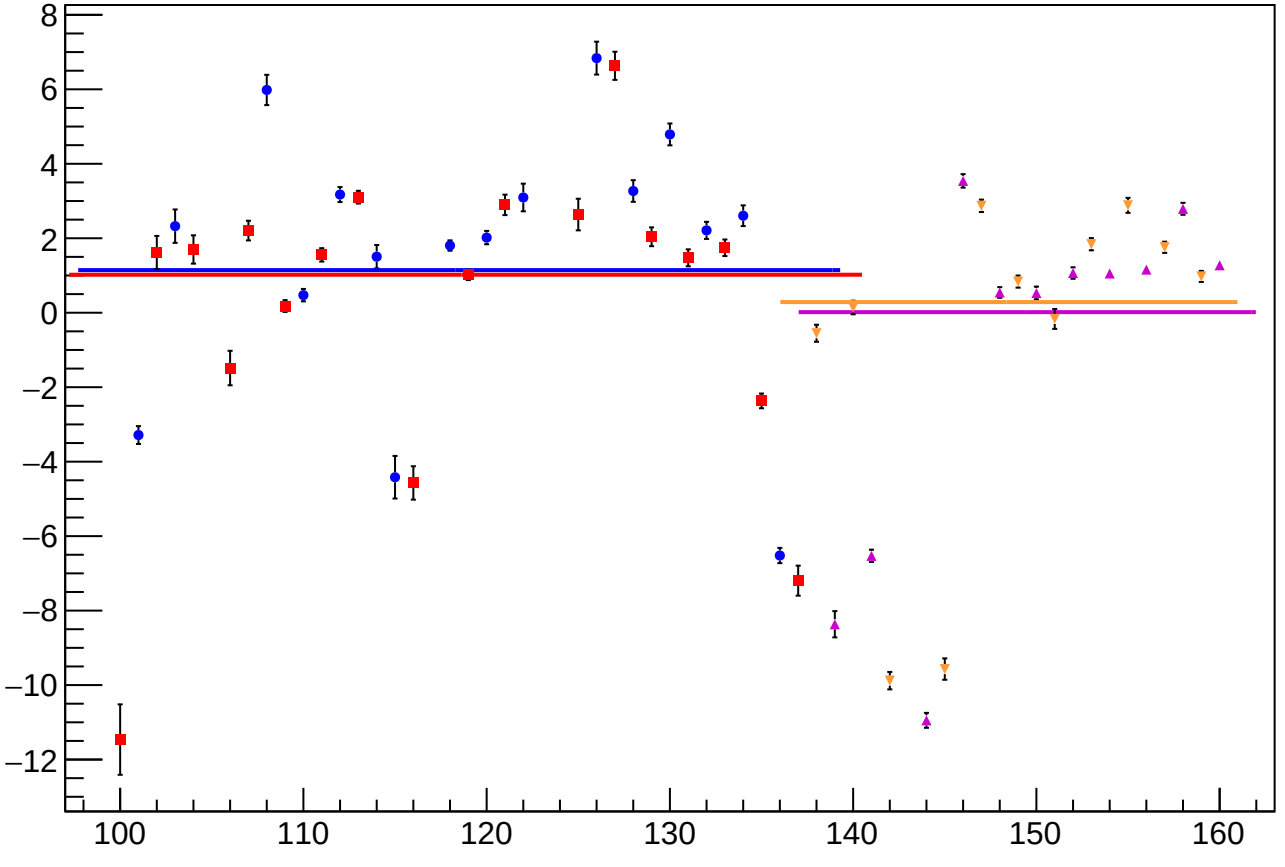
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.516+/-0.042 χ^2/NDF:204204.3/26

Out: 2.205+/-0.040 χ^2/NDF:198460.0/28

All: 1.876+/-0.029 χ^2/NDF: 402807.9/55

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: 0.016+/-0.044 χ^2/NDF:6174.7/10

Left: 0.120+/-0.035 χ^2/NDF: 9894.4/21

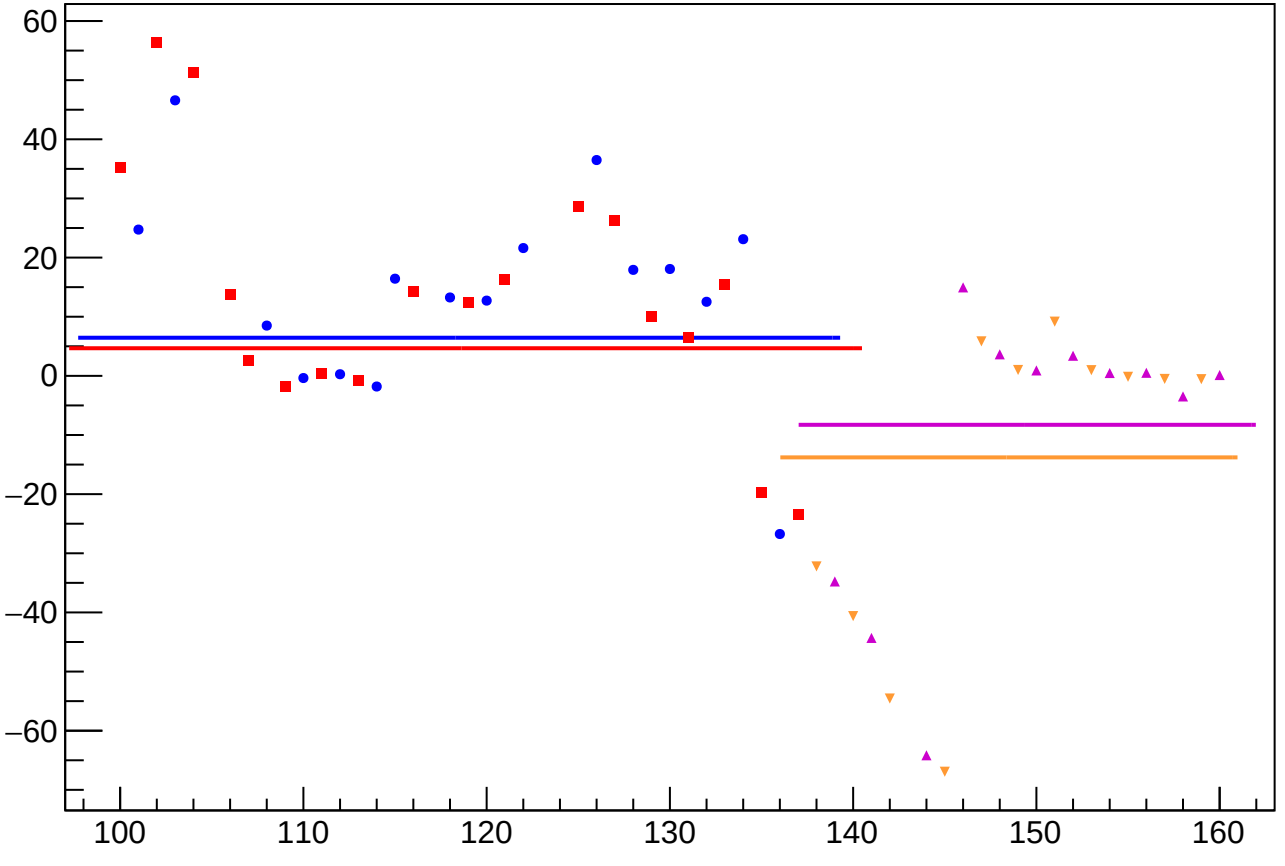
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.414+/-0.036 χ^2/NDF:8997.9/26

Out: 0.646+/-0.040 χ^2/NDF:5380.8/28

All: 0.517+/-0.027 χ^2/NDF: 14397.5/55

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -13.784+/-0.076 χ^2/NDF:82461.0/10

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -8.277+/-0.061 χ^2/NDF:103124.9/10

Left: -10.435+/-0.048 χ^2/NDF: 188765.1/21

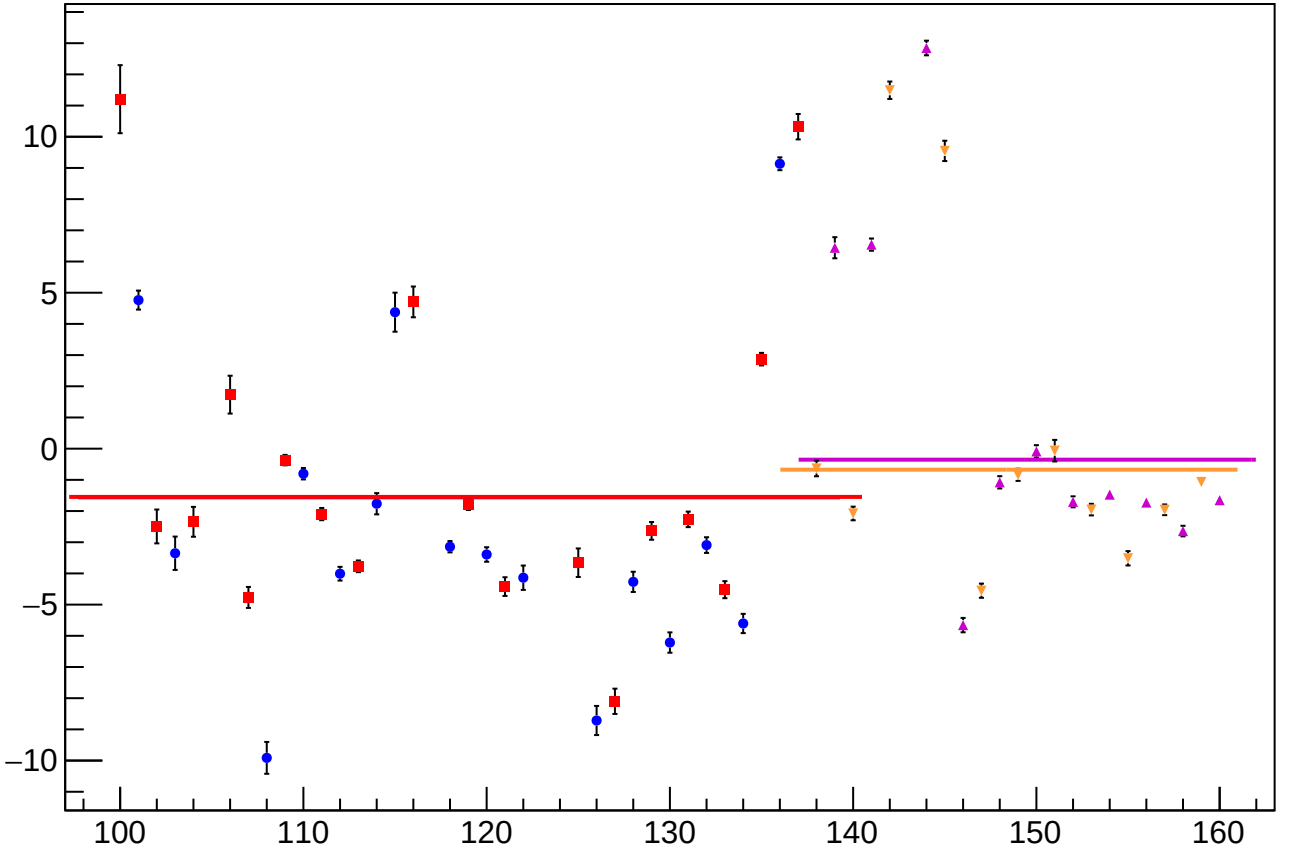
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.351+/-0.044 χ^2/NDF:201216.5/26

Out: -2.252+/-0.047 χ^2/NDF:193570.9/28

All: -1.780+/-0.032 χ^2/NDF: 394982.3/55

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: -0.353+/-0.051 χ^2/NDF:5889.7/10

Left: -0.475+/-0.040 χ^2/NDF: 9387.5/21

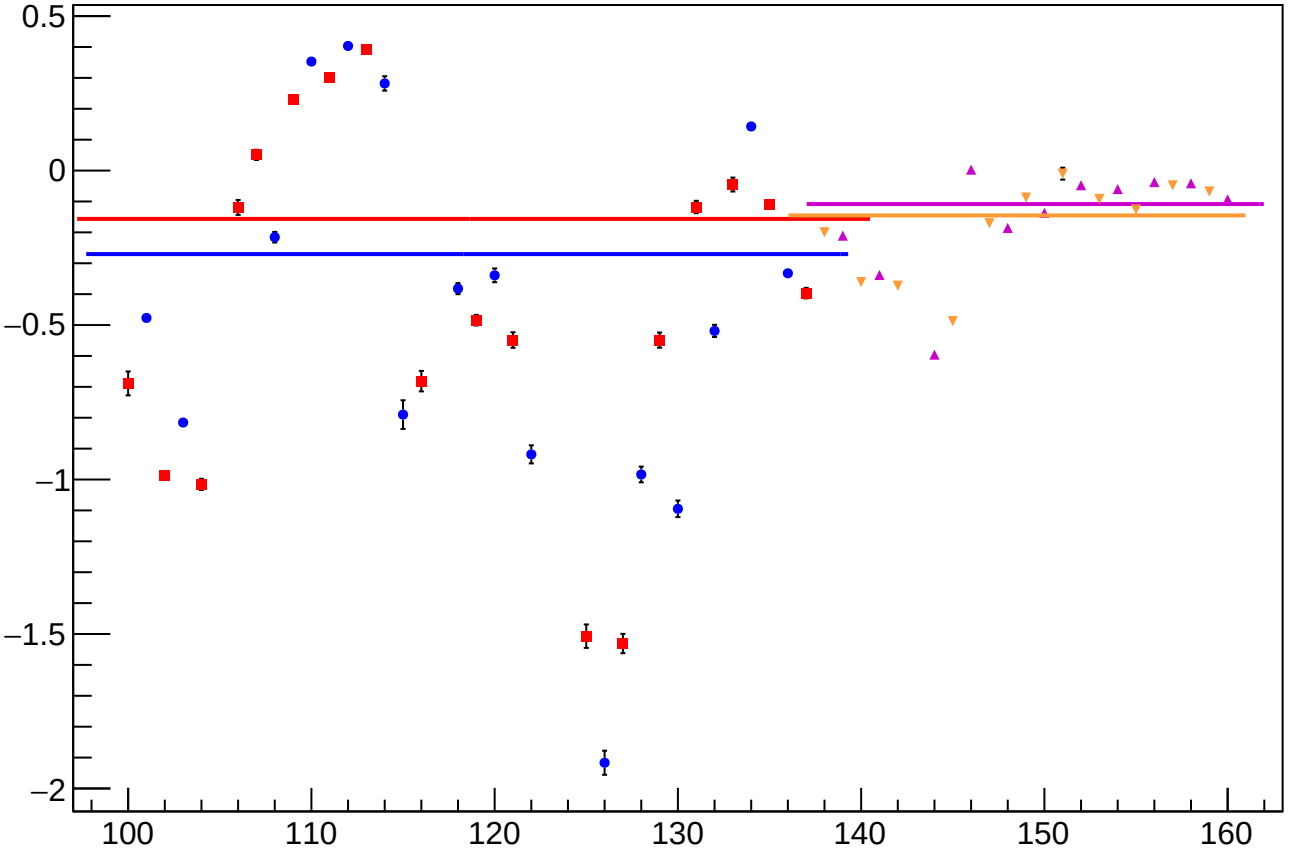
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.779+/-0.041 χ^2/NDF:10628.8/26

Out: -1.116+/-0.046 χ^2/NDF:6043.4/28

All: -0.929+/-0.031 χ^2/NDF: 16702.1/55

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.145+/-0.003 χ^2/NDF:1864.5/10

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

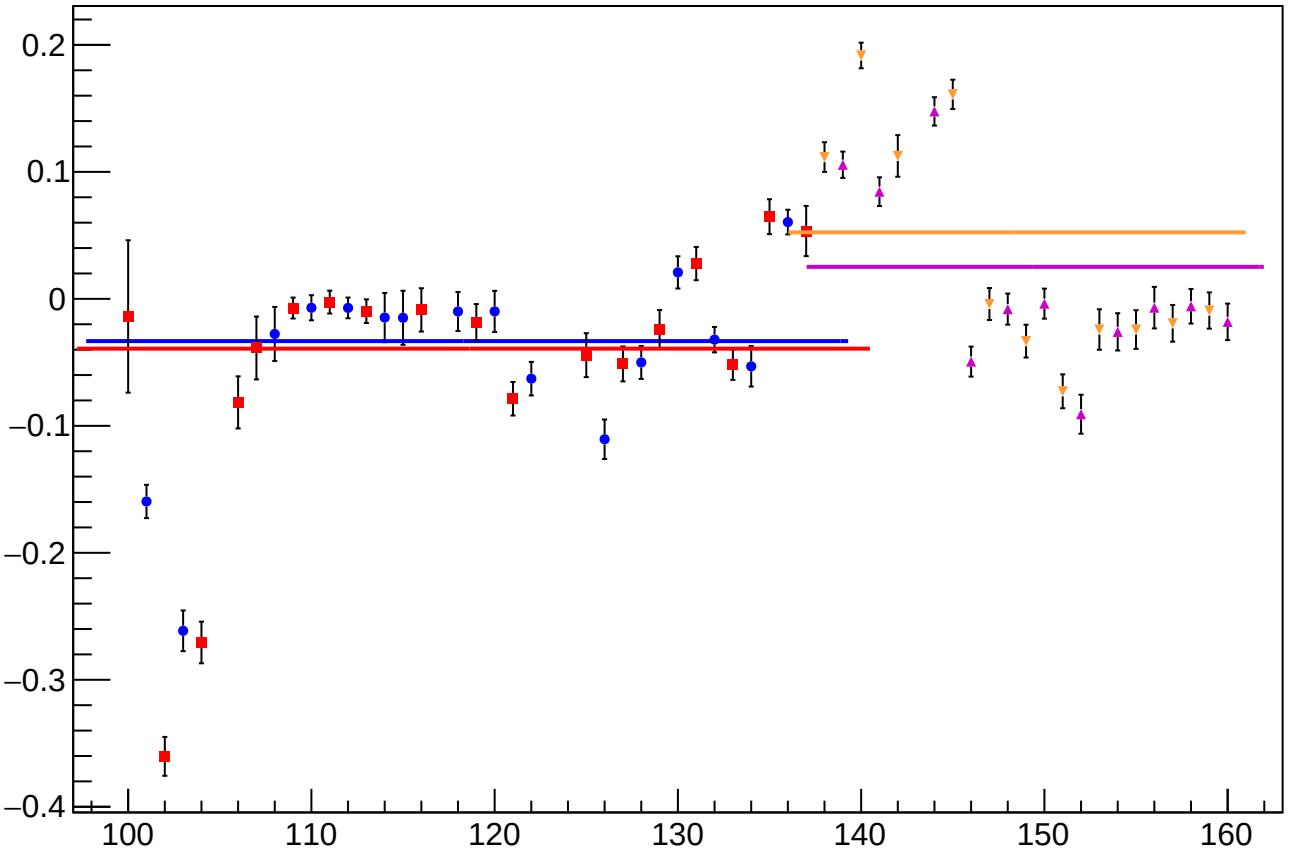
Left: -0.122+/-0.002 χ^2/NDF: 4887.1/21

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.143+/-0.002 χ^2/NDF:16214.3/26

Out: -0.149+/-0.002 χ^2/NDF:16900.2/28

All: -0.146+/-0.001 χ^2/NDF: 33118.4/55



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: 0.025+/-0.004 χ^2/NDF:348.5/10

Left: 0.038+/-0.003 χ^2/NDF: 936.7/21

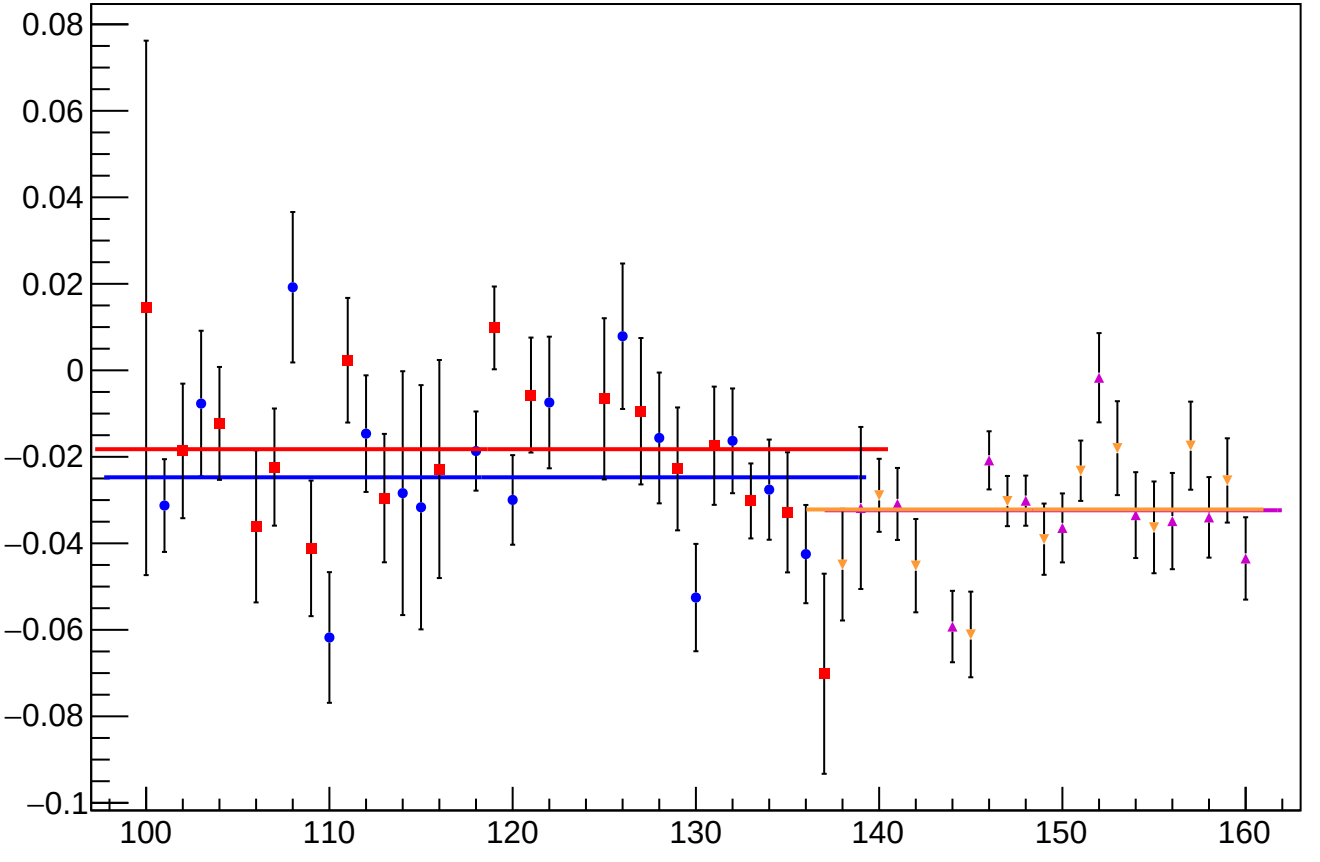
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:949.7/26

Out: -0.003+/-0.002 χ^2/NDF:1698.0/28

All: -0.006+/-0.002 χ^2/NDF: 2650.5/55

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: -0.032+/-0.003 χ^2/NDF:24.3/10

Left: -0.032+/-0.002 χ^2/NDF: 42.3/21

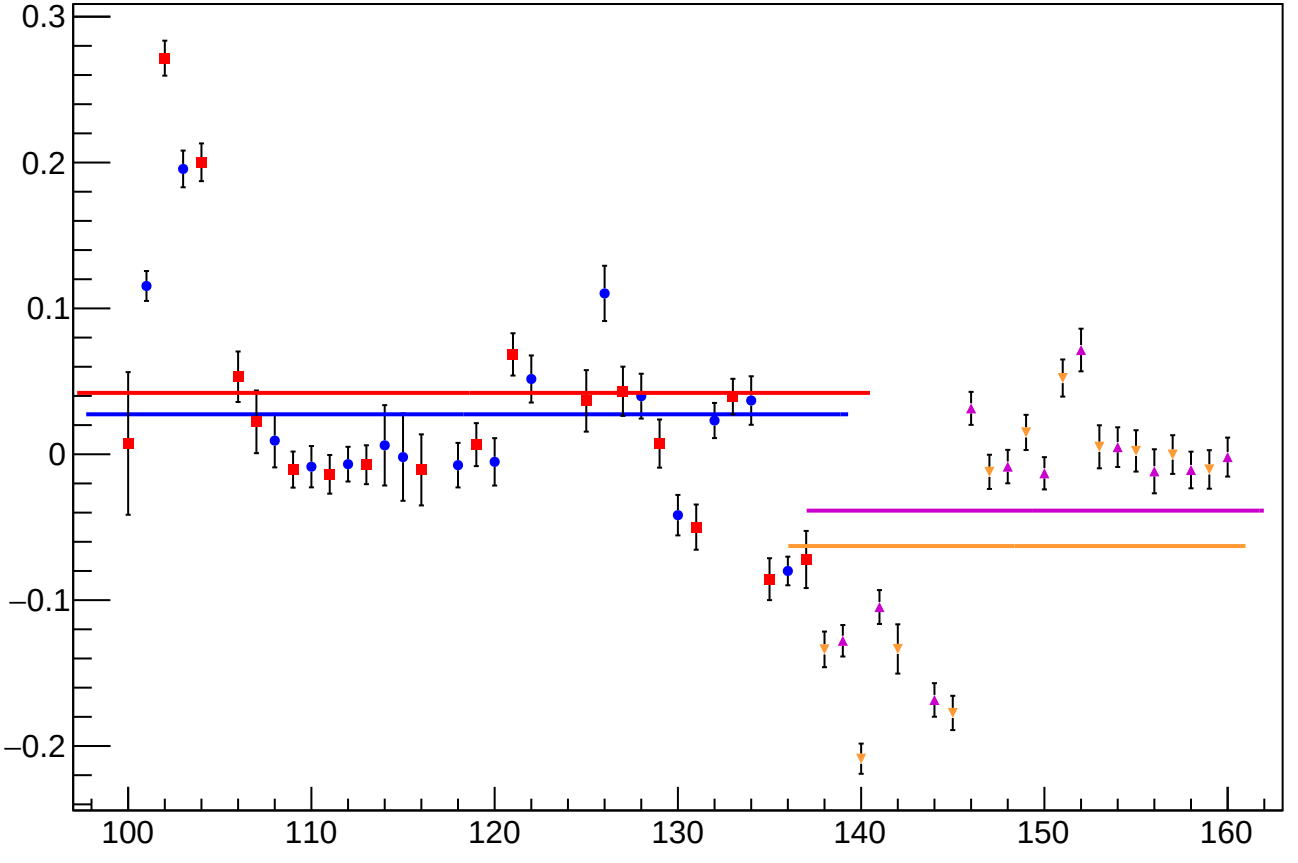
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:56.1/26

Out: -0.027+/-0.002 χ^2/NDF:53.2/28

All: -0.028+/-0.001 χ^2/NDF: 110.1/55

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: -0.039+/-0.004 χ^2/NDF:361.3/10

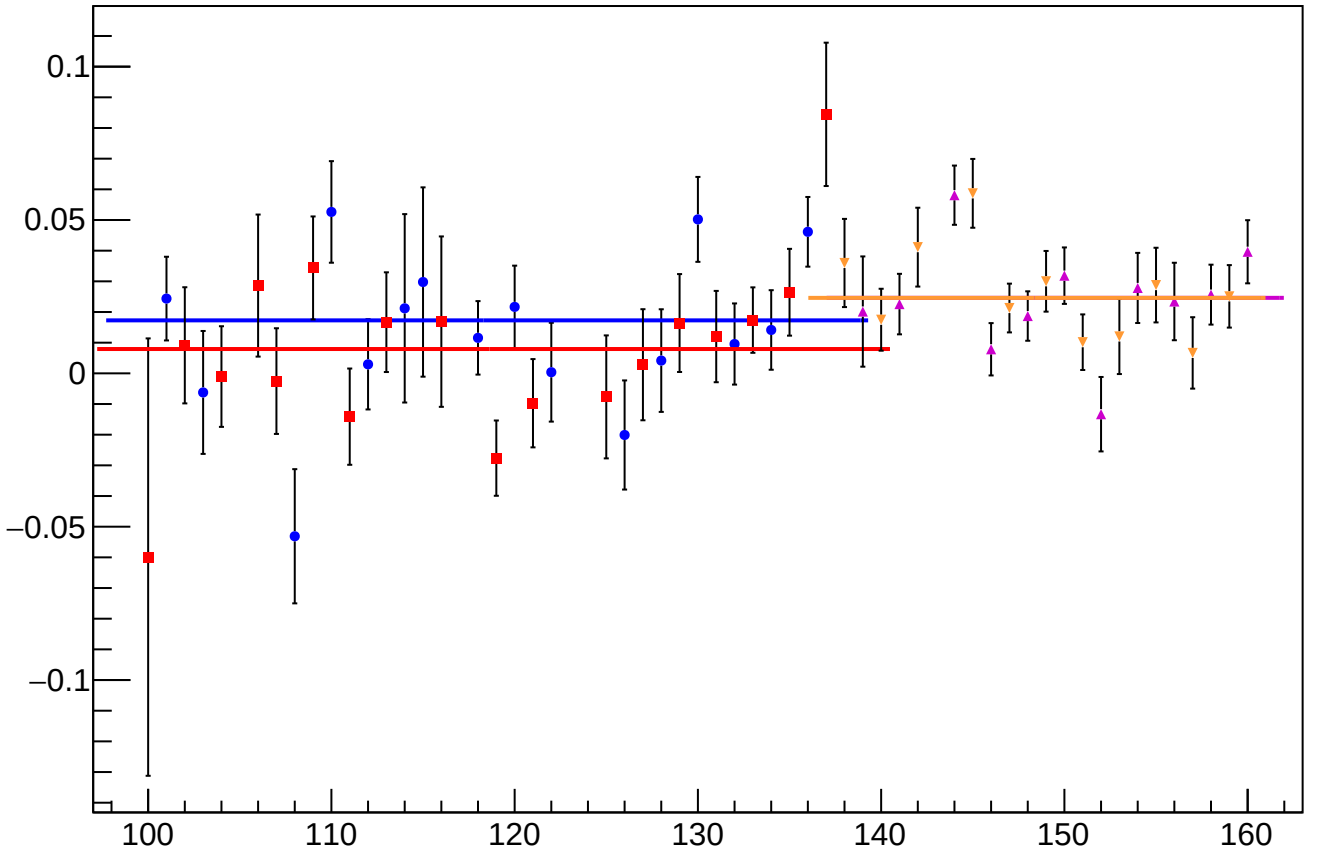
Left: -0.050+/-0.003 χ^2/NDF: 949.5/21

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.003 χ^2/NDF:972.7/26

Out: -0.008+/-0.003 χ^2/NDF:1695.3/28

All: -0.006+/-0.002 χ^2/NDF: 2668.8/55



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: 0.025+/-0.003 χ^2/NDF:29.1/10

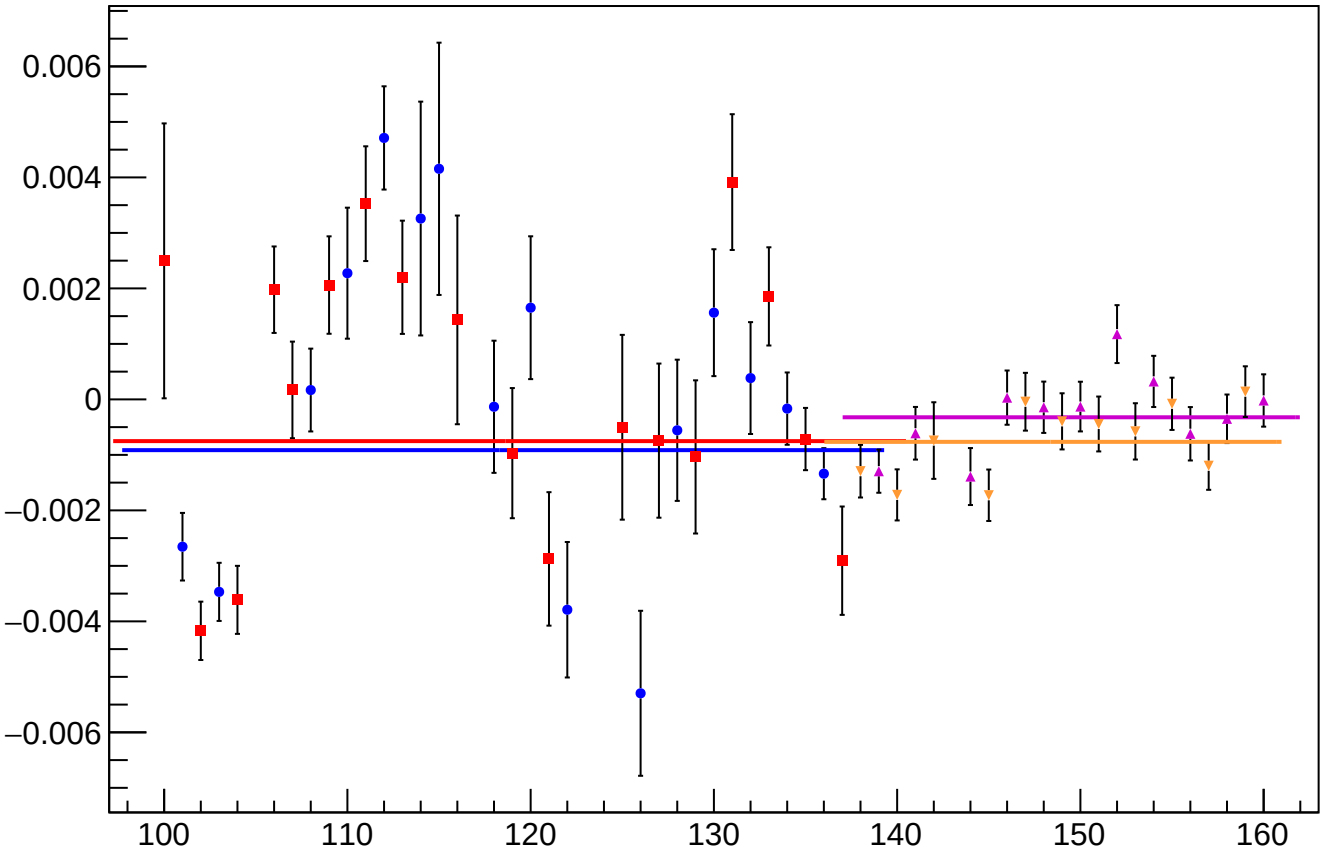
Left: 0.025+/-0.002 χ^2/NDF: 47.7/21

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.022+/-0.002 χ^2/NDF:68.0/26

Out: 0.018+/-0.002 χ^2/NDF:60.9/28

All: 0.020+/-0.002 χ^2/NDF: 130.1/55



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:22.8/10

Left: -0.001+/-0.000 χ^2/NDF: 47.5/21

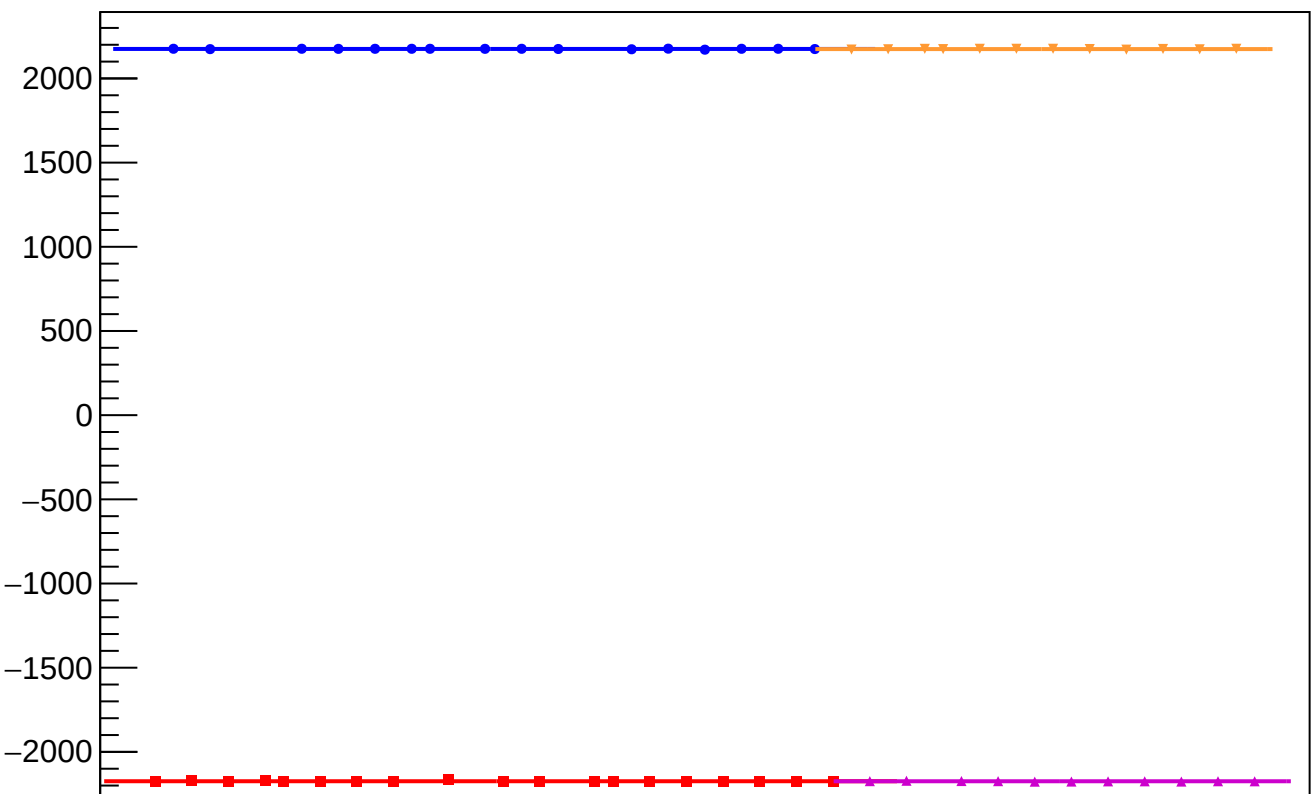
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:142.3/26

Out: -0.001+/-0.000 χ^2/NDF:167.5/28

All: -0.001+/-0.000 χ^2/NDF: 312.2/55

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136 2816.0/15

Left Out: 2174.381+/-0.000 χ^2/NDF:3120203205489671702788746113974272.0/11

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.509+/-0.000 χ^2/NDF:219767600187603040890921225394 5856.0/10

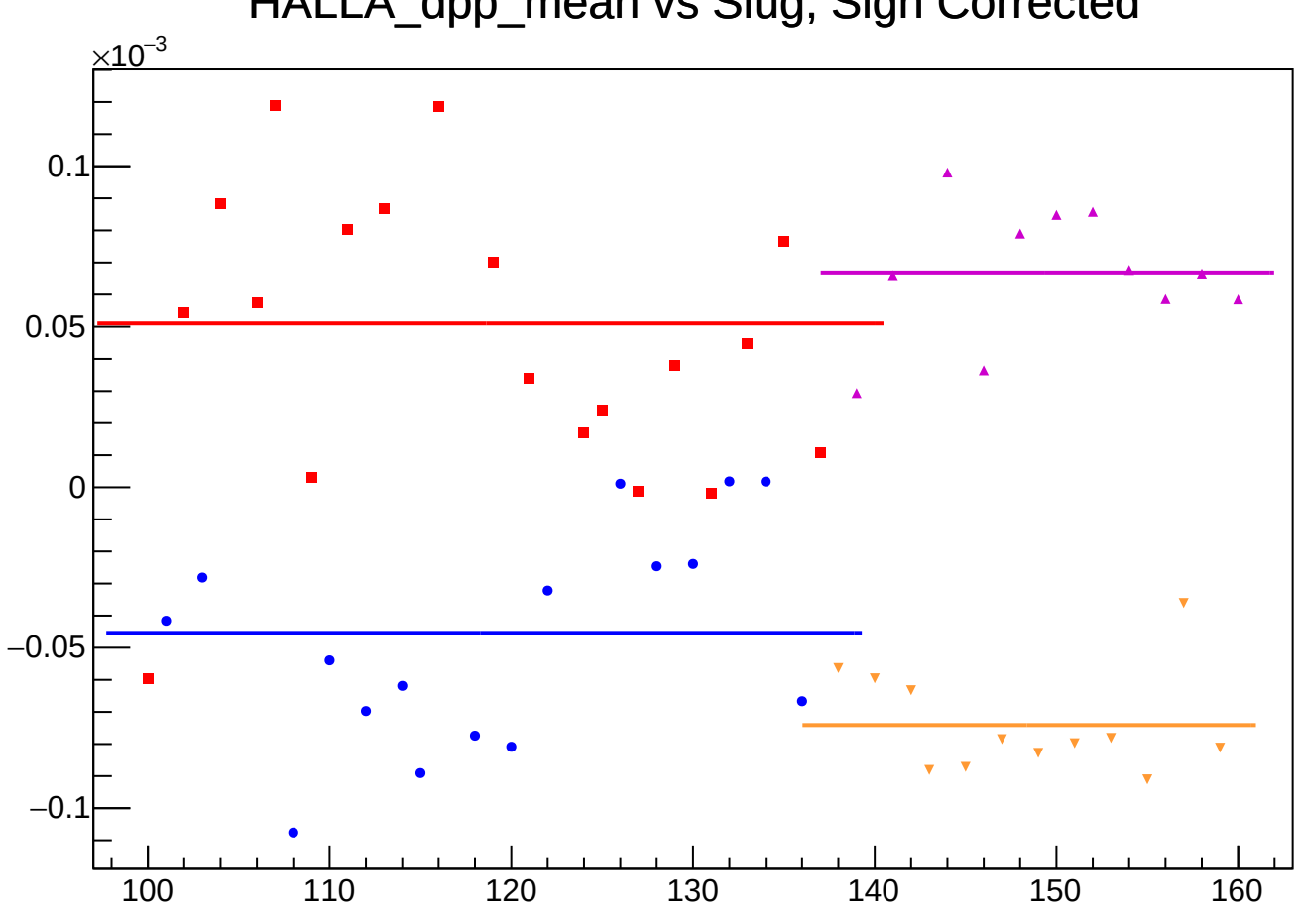
Left: 3.215+/-0.000 χ^2/NDF: 940439332681002589

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

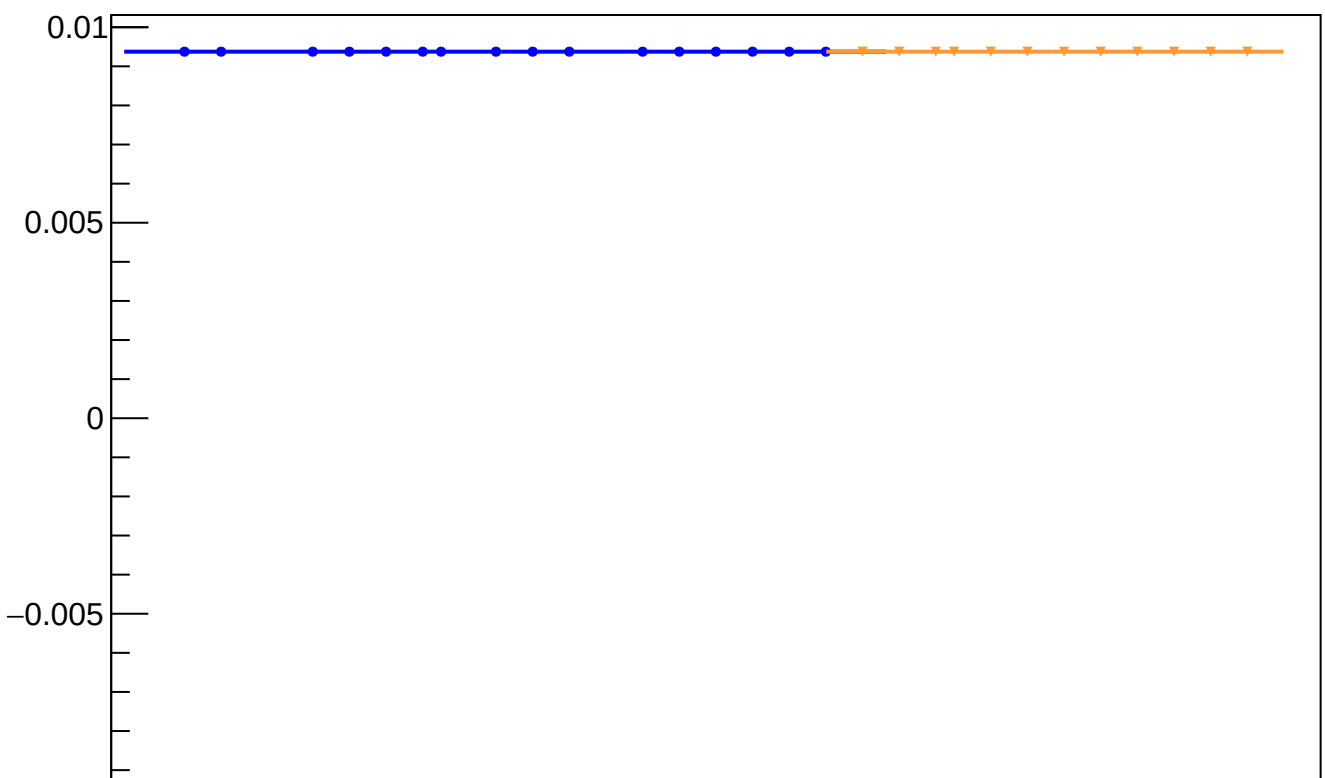
In: -315.723+/-0.000 χ^2/NDF:8028587864459441

Out: 288.047+/-0.000 χ^2/NDF:8170305034270703

All: -11.678+/-0.000 χ^2/NDF: 165172089675


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: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:3826510856727848172912640.0/10
Left: -0.000+/-0.000 χ²/NDF: 10510447682261831
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:6444672288252064495
Out: -0.000+/-0.000 χ²/NDF:80198759968132390
All: -0.000+/-0.000 χ²/NDF: 157746999617

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:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 17481405542986359

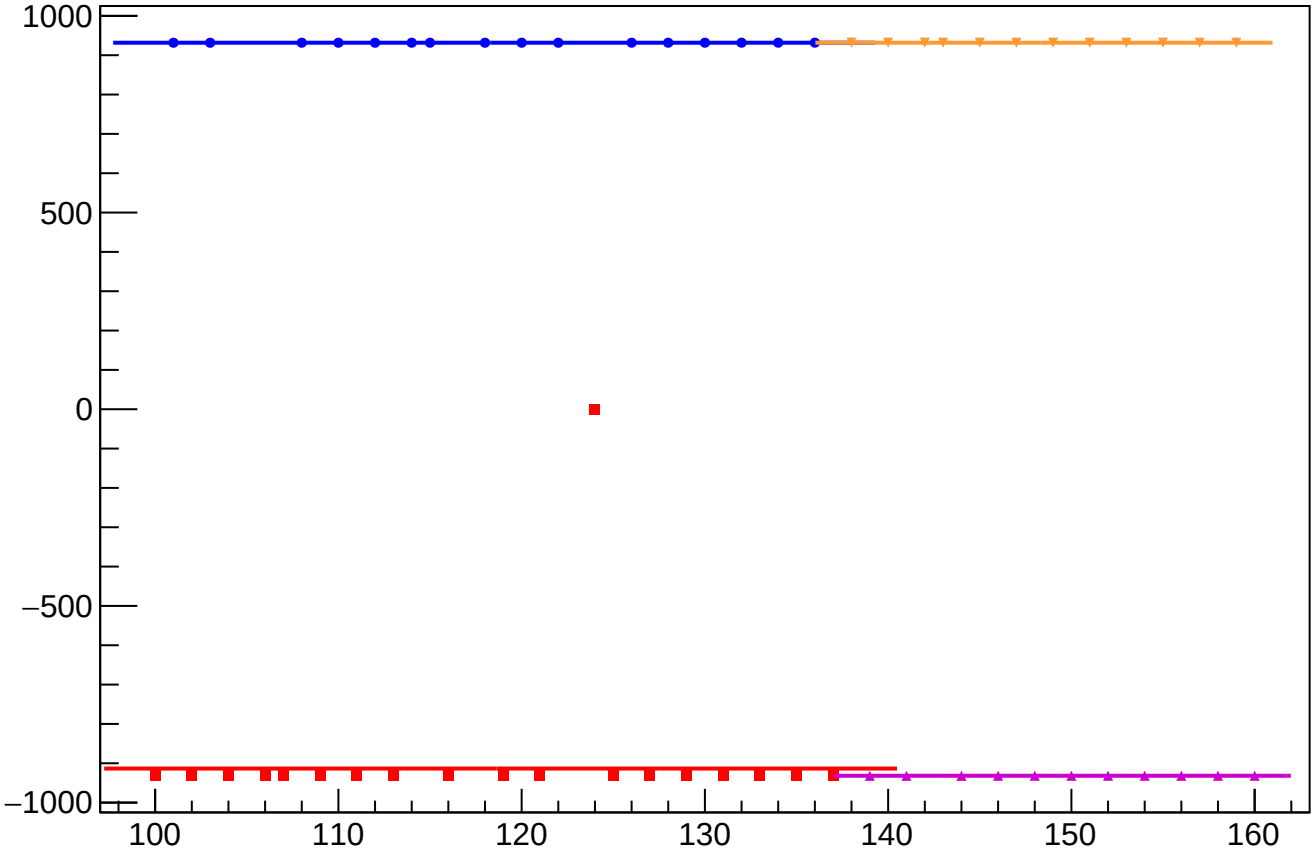
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: -0.000+/-0.000 χ^2/NDF: 3069928696679

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: -931.773+/-0.000 χ^2/NDF:362687003840119287080015206809 6.0/10

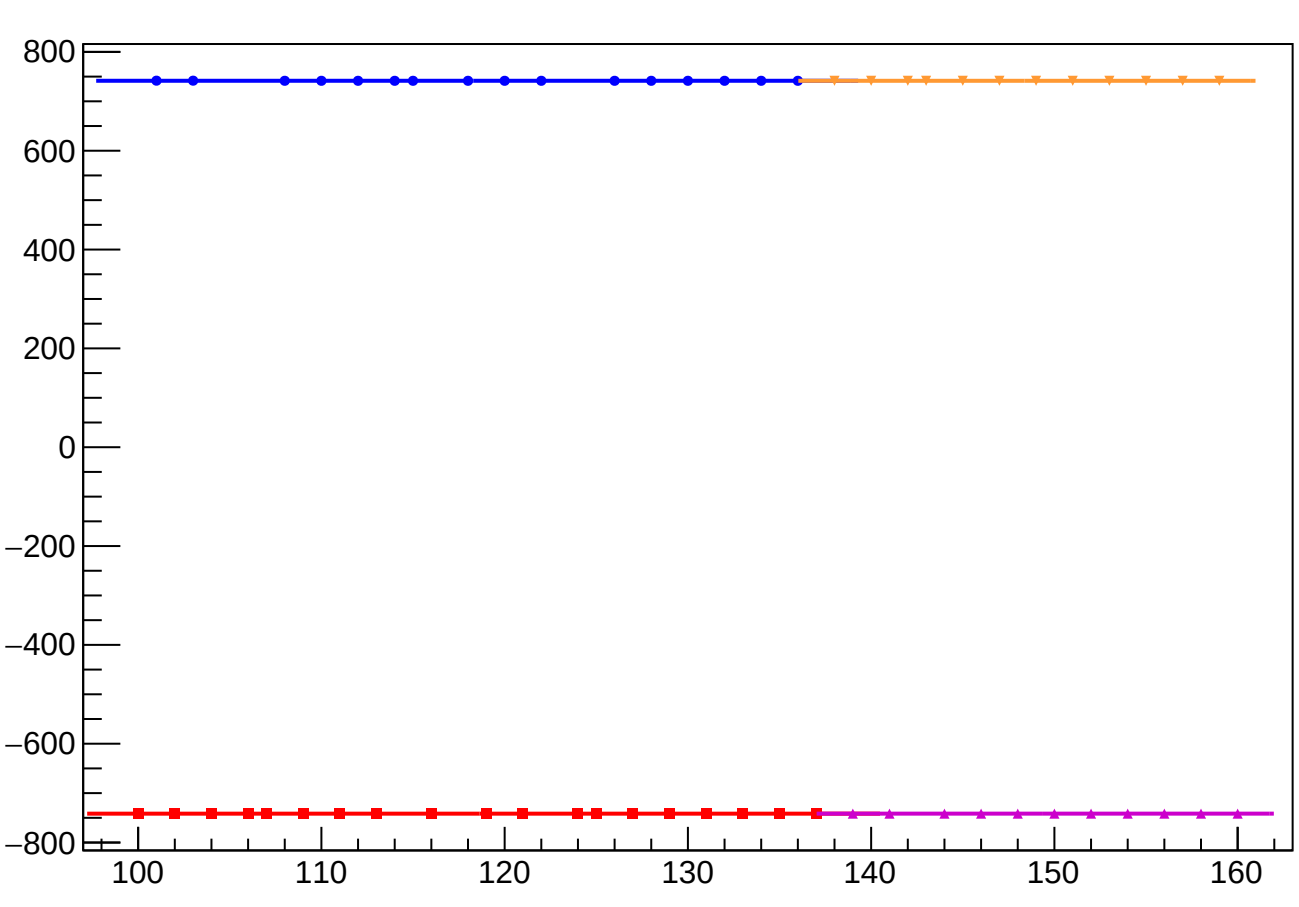
Left: 1.412+/-0.000 χ^2/NDF: 17268713679058036

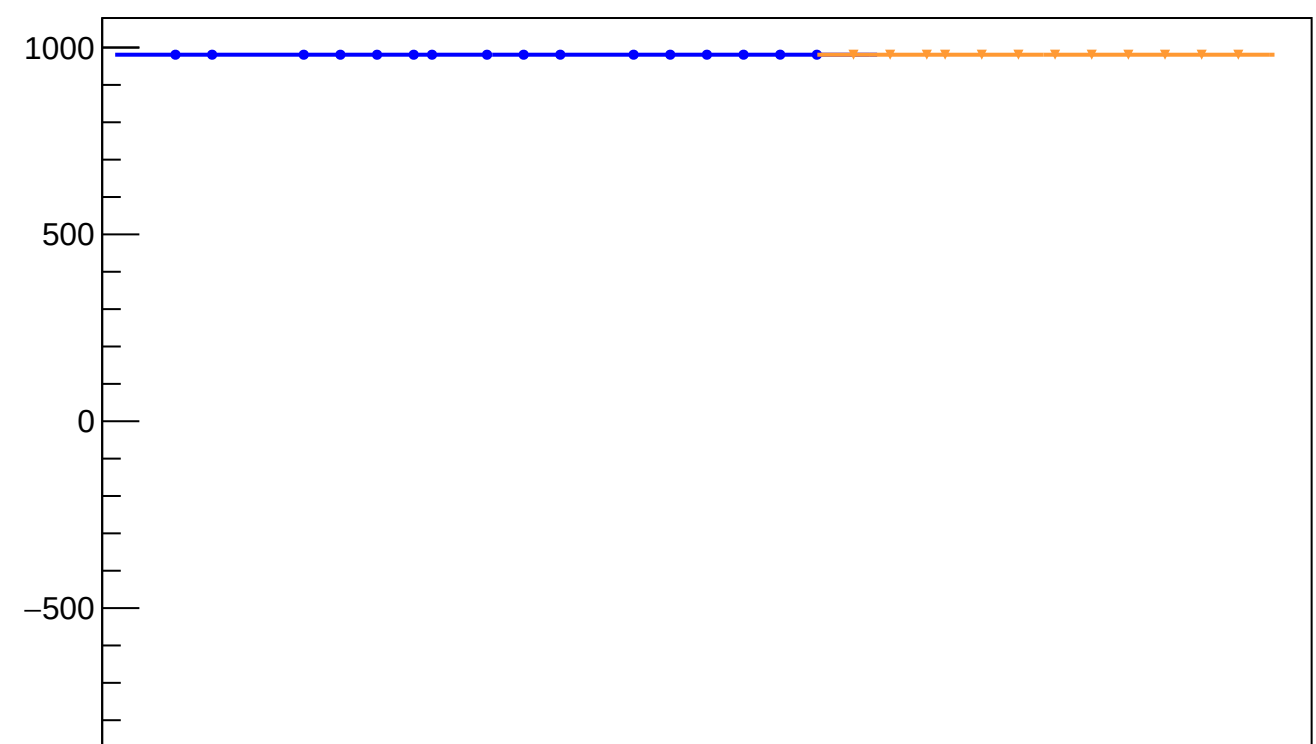
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -135.415+/-0.000 χ^2/NDF:1473658099041958

Out: 131.381+/-0.000 χ^2/NDF:1483791958274251

All: -1.062+/-0.000 χ^2/NDF: 3019604767784


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.519+/-0.000 χ²/NDF:10000181751610599806999304601 6.0/11
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.519+/-0.000 χ²/NDF:947795097279608587356859269 12.0/10
Left: 1.119+/-0.000 χ²/NDF: 109364943529109951
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -107.742+/-0.000 χ²/NDF:933365721596712 2
Out: 98.198+/-0.000 χ²/NDF:950290687297476 45
All: -4.035+/-0.000 χ²/NDF: 1920690250082



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.775+/-0.000 χ^2/NDF:59702107982671889010972950528 0.0/11

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Left In: -980.785+/-0.000 χ^2/NDF:11562692263969052418763401461760.0/10

Left: 1.474+/-0.000 χ^2/NDF: 191327161108924794

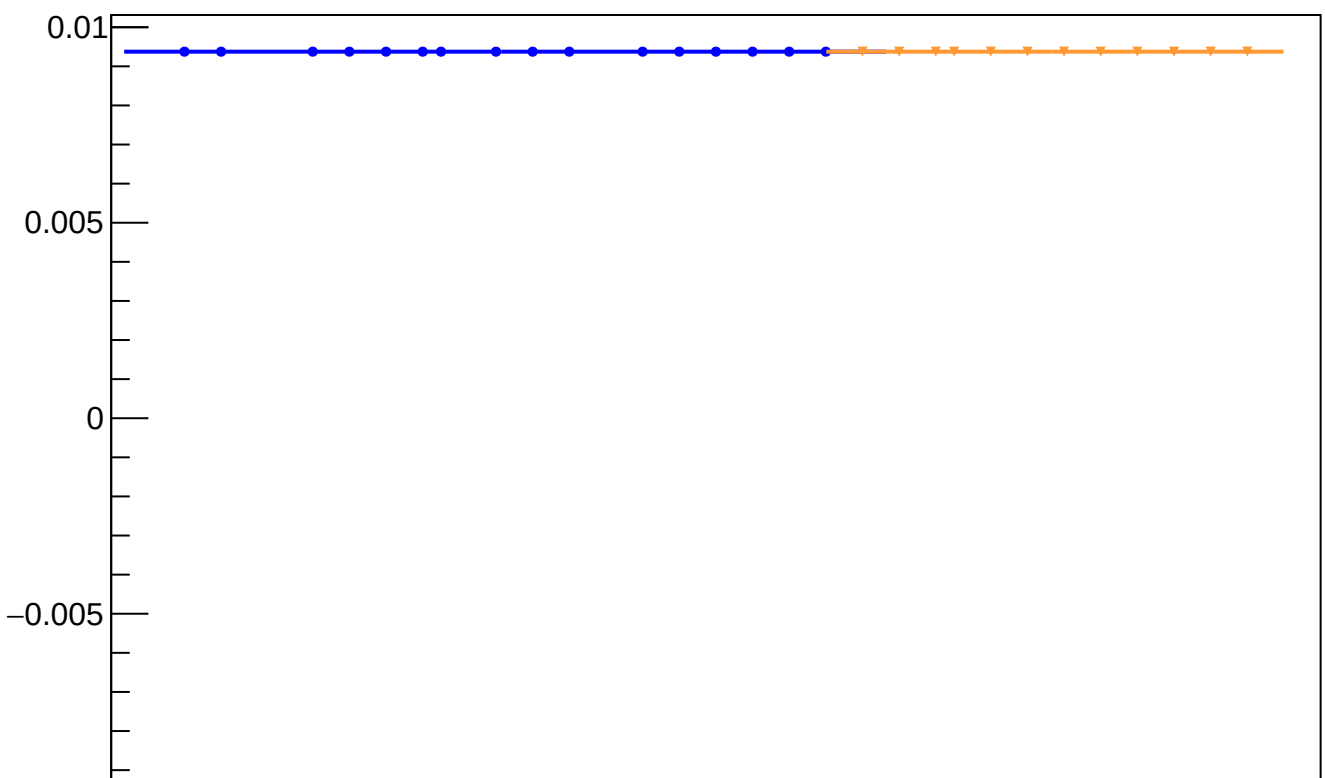
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: -142.528+/-0.000 χ^2/NDF:1632804461437803

Out: 129.937+/-0.000 χ^2/NDF:1662242360065408

All: -5.321+/-0.000 χ^2/NDF: 3359870900445

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:0.0/10

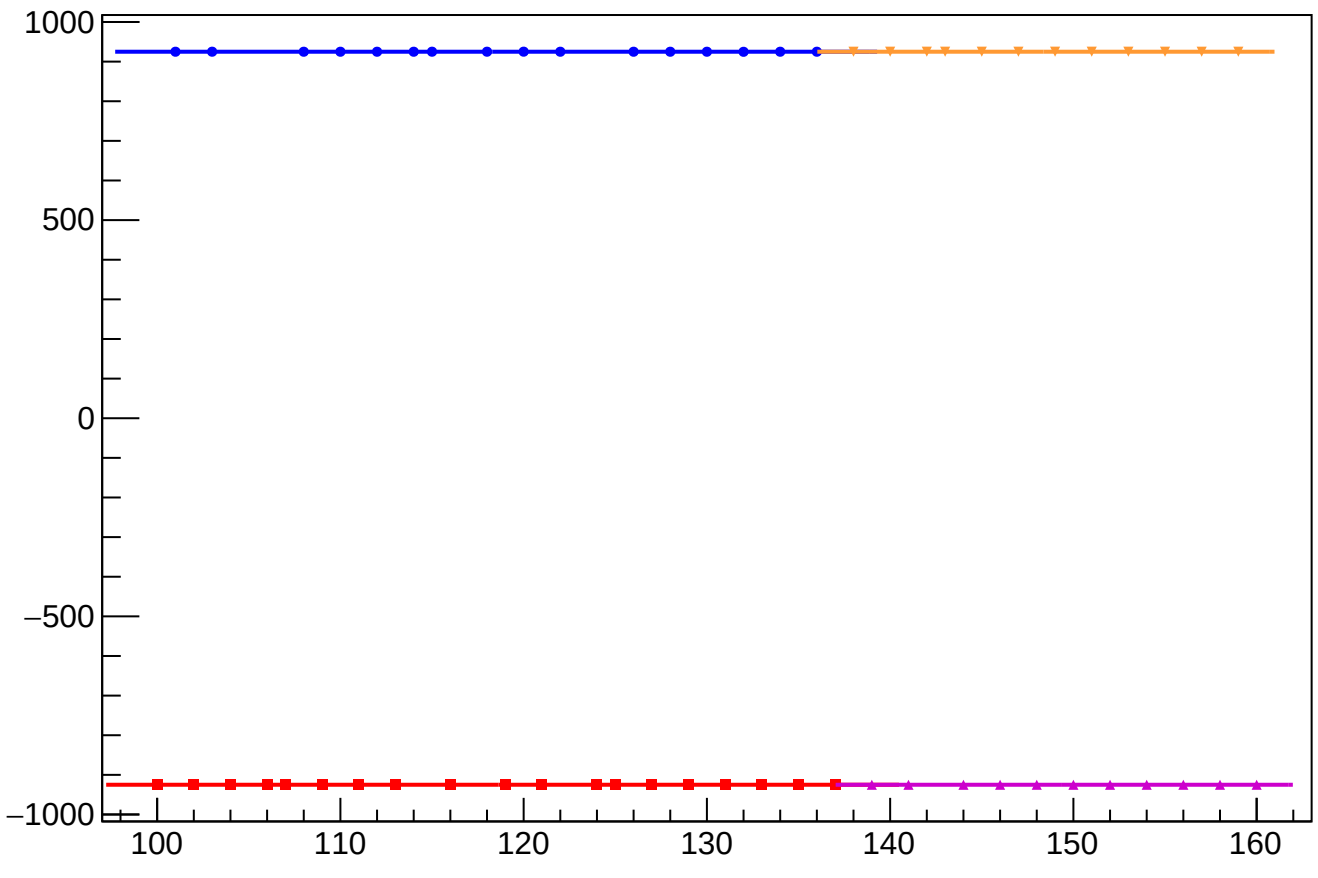
Left: 0.000+/-0.000 χ^2/NDF: 17481405542986359

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: -0.000+/-0.000 χ^2/NDF: 3069928696679



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.993+/-0.000 χ^2/NDF:595978008626174053933775847424.0/11

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

Left In: -924.993+/-0.000 χ^2/NDF:532373844786563881516299976704.0/10

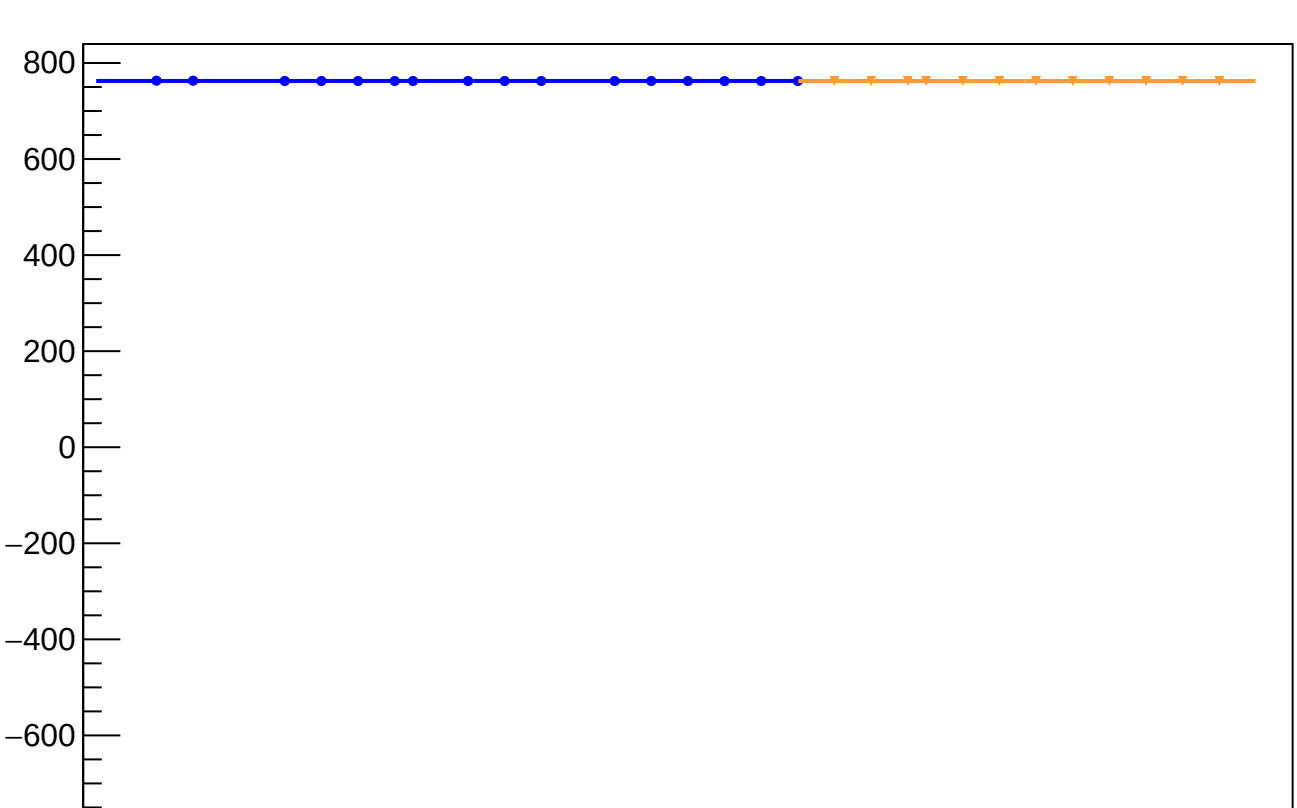
Left: 1.395+/-0.000 χ^2/NDF: 17018086617136823 2

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -134.439+/-0.000 χ^2/NDF:145225393569485 8

Out: 122.534+/-0.000 χ^2/NDF:14785845753887 94

All: -5.033+/-0.000 χ^2/NDF: 2988501107108



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: 5313433853263039584129784374886 4.0/18

Left In: -762.502+/-0.000 χ^2/NDF:68004402463480746583741431808.0/10

Left: 1.149+/-0.000 χ^2/NDF: 115641666240402157

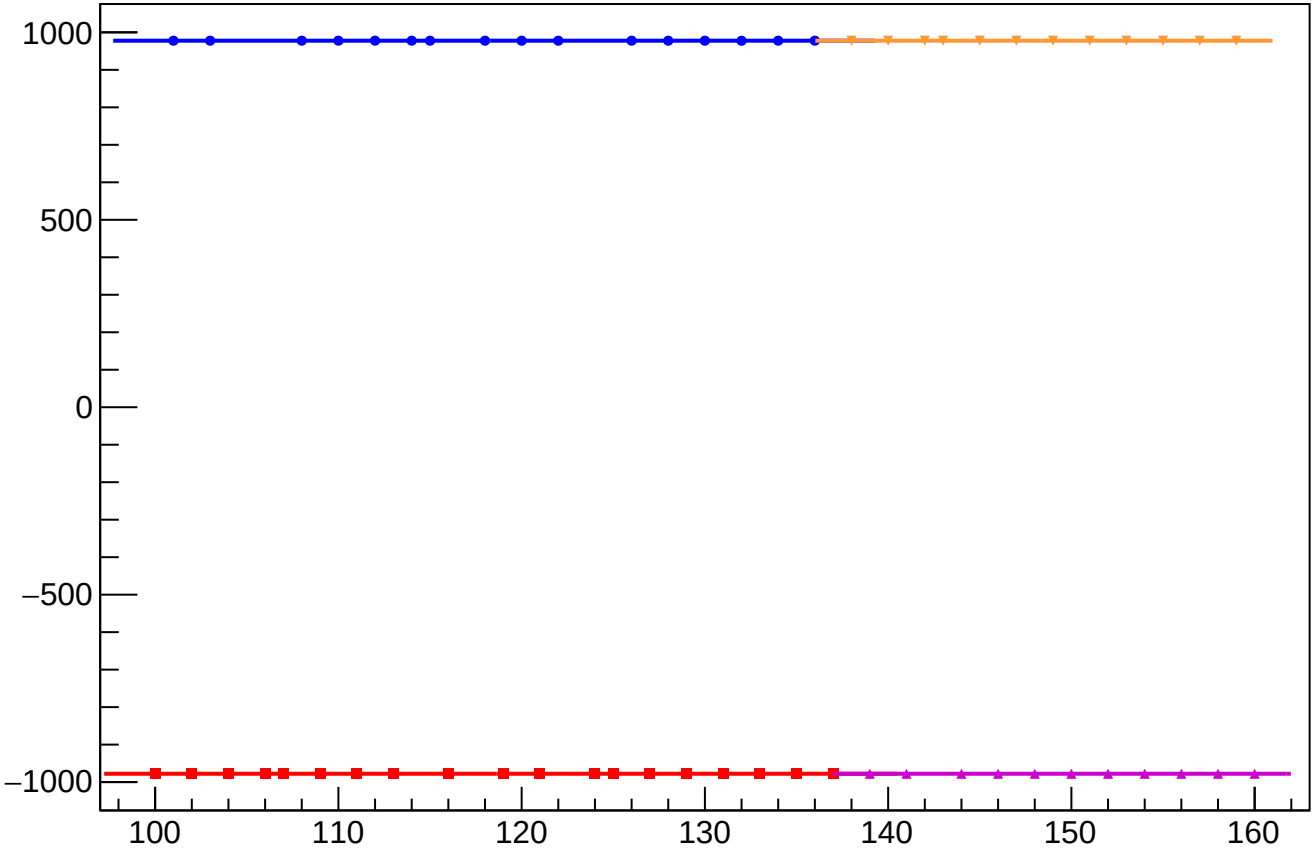
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: -110.767+/-0.000 χ^2/NDF:9870111911095452

Out: 100.951+/-0.000 χ^2/NDF:1004904672021292

All: -4.150+/-0.000 χ^2/NDF: 2031056674166

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:9335448920345280203948839403520.0/11

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.743+/-0.000 χ^2/NDF:936074880090076228355557949440.0/10

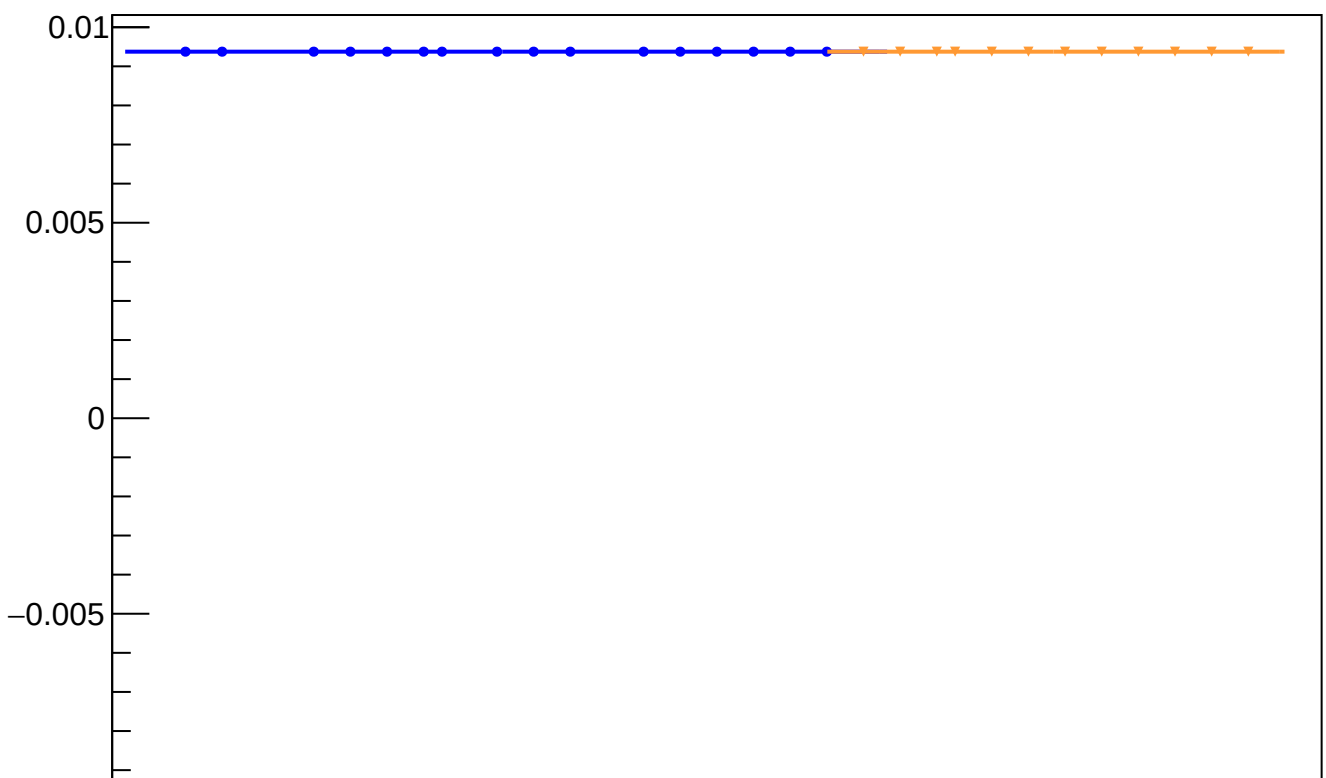
Left: 1.477+/-0.000 χ^2/NDF: 190144998032086375

Right: -14.301+/-0.000 χ^2/NDF: 1437503779831150

In: -142.091+/-0.000 χ^2/NDF:1622670420963730

Out: 129.514+/-0.000 χ^2/NDF:1652080738045852

All: -5.317+/-0.000 χ^2/NDF: 3339166969474



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:0.0/10

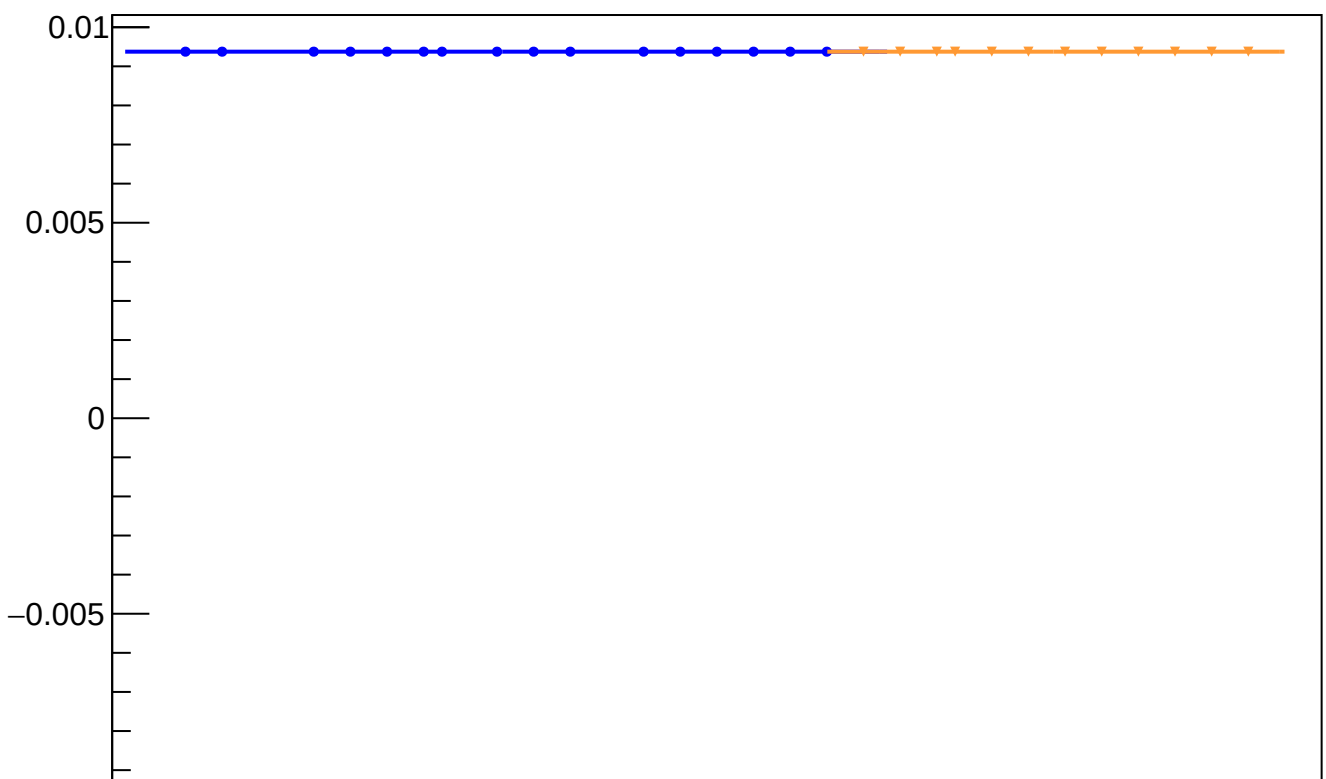
Left: 0.000+/-0.000 χ^2/NDF: 17481405542986359

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: -0.000+/-0.000 χ^2/NDF: 3069928696679



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:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 17481405542986359

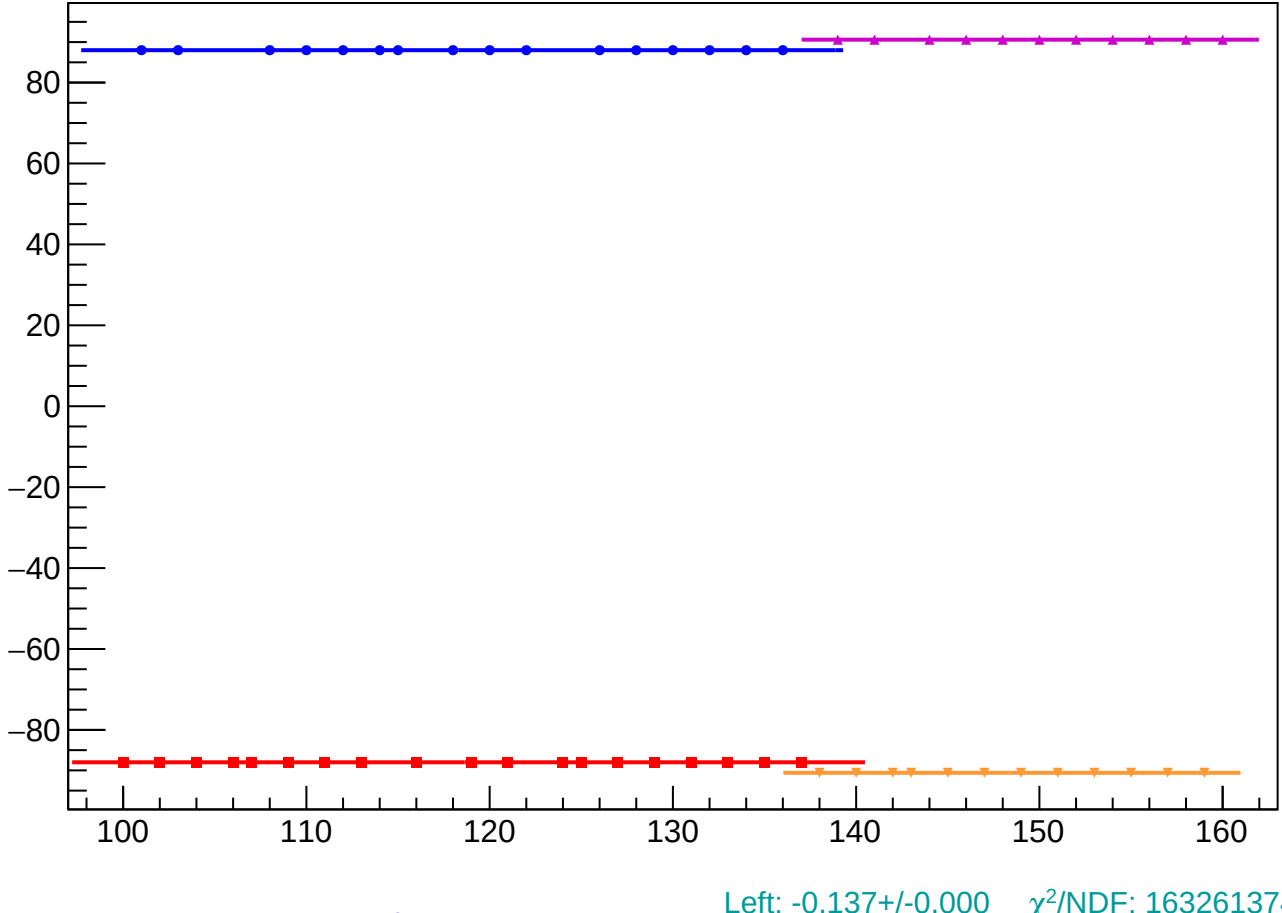
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: -0.000+/-0.000 χ^2/NDF: 3069928696679

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:661381.0/10

Left: -0.137+/-0.000 χ^2/NDF: 16326137488628068

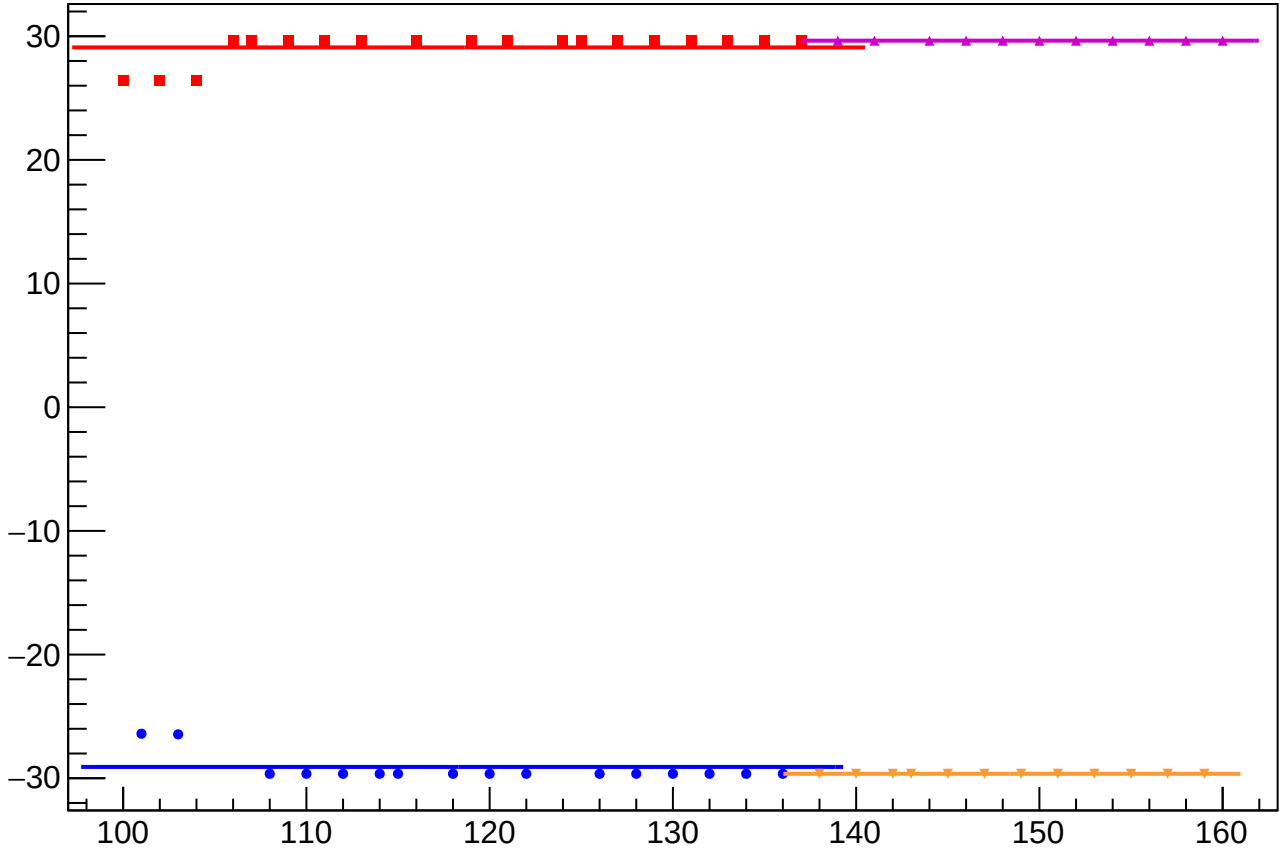
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.489+/-0.000 χ^2/NDF:286546522637573370

Out: -89.473+/-0.000 χ^2/NDF:2911397946287903

All: -0.633+/-0.000 χ^2/NDF: 2797230180045

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:44037.4/10

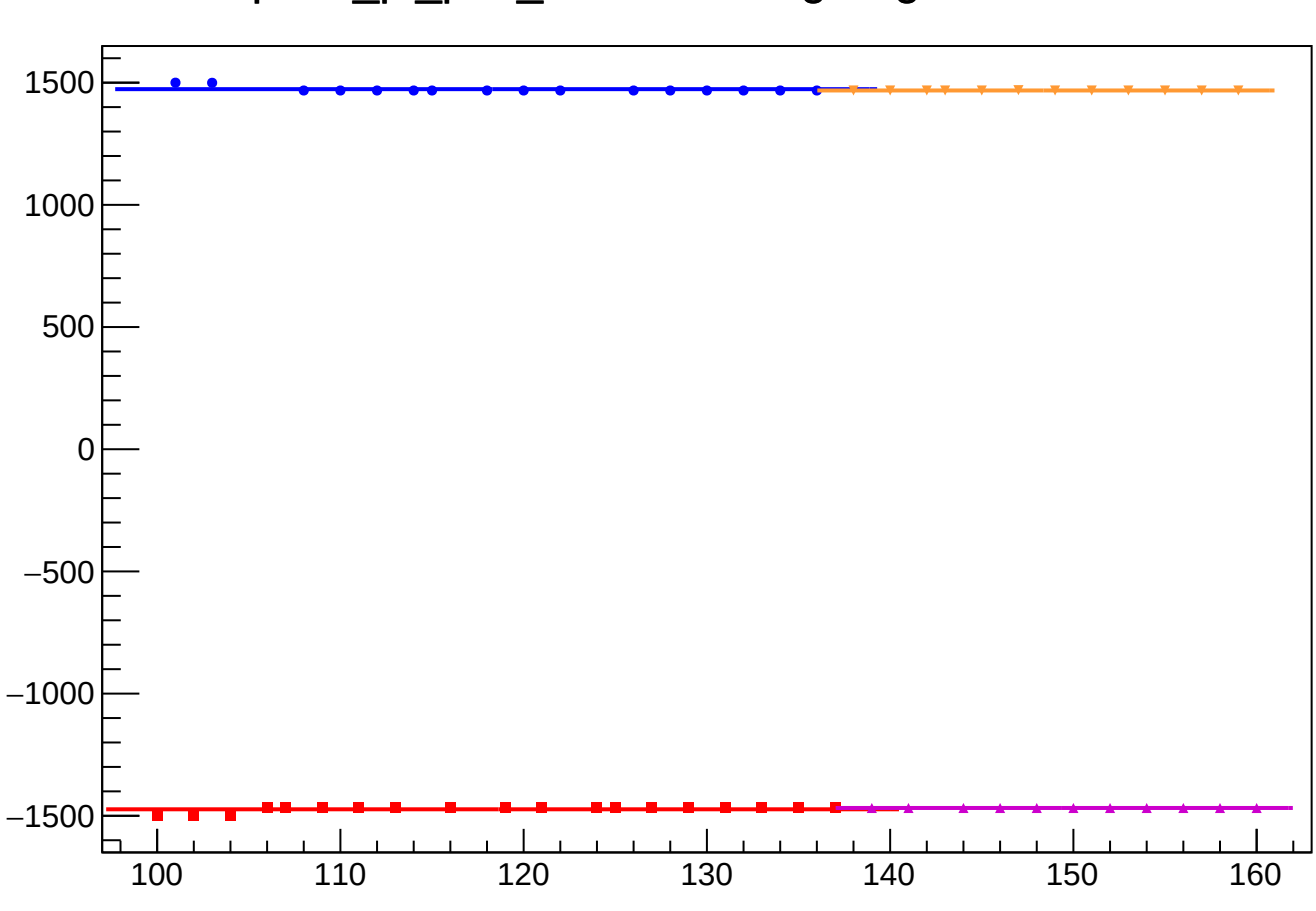
Left: -0.045+/-0.000 χ^2/NDF: 17474743039539109

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835

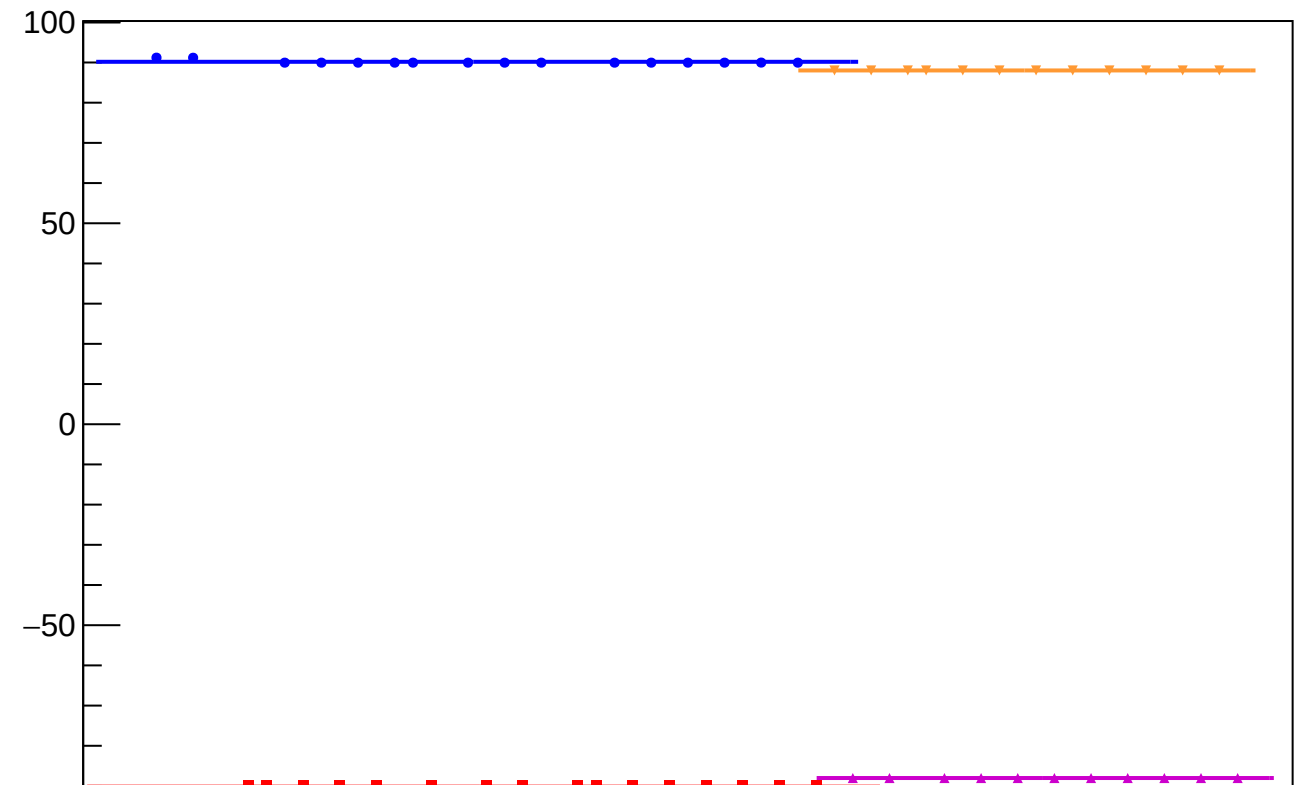
In: 4.545+/-0.000 χ^2/NDF:1464553916040238093

Out: -4.164+/-0.000 χ^2/NDF:14914866338648488

All: 0.159+/-0.000 χ^2/NDF: 3022674497178


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477158 4.0/15
Left Out: 1468.103+/-0.000 χ²/NDF:13411843758819586644632647237632 0.0/11
Right Out: -1473.393+/-0.000 χ²/NDF: 10990949973340107876106784330062233 6.0/18
Left In: -1467.988+/-0.000 χ²/NDF:98391137935120172986419642368.0/10
Left: 2.272+/-0.000 χ²/NDF: 428660024411360711
Right: -21.516+/-0.000 χ²/NDF: 3264697385914600
In: -210.999+/-0.000 χ²/NDF:3671602501421048
Out: 192.173+/-0.000 χ²/NDF:3738242145618672
All: -7.971+/-0.000 χ²/NDF: 7551782221211

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:1379711.4/10

Left: 0.133+/-0.000 χ^2/NDF: 154100292140604423

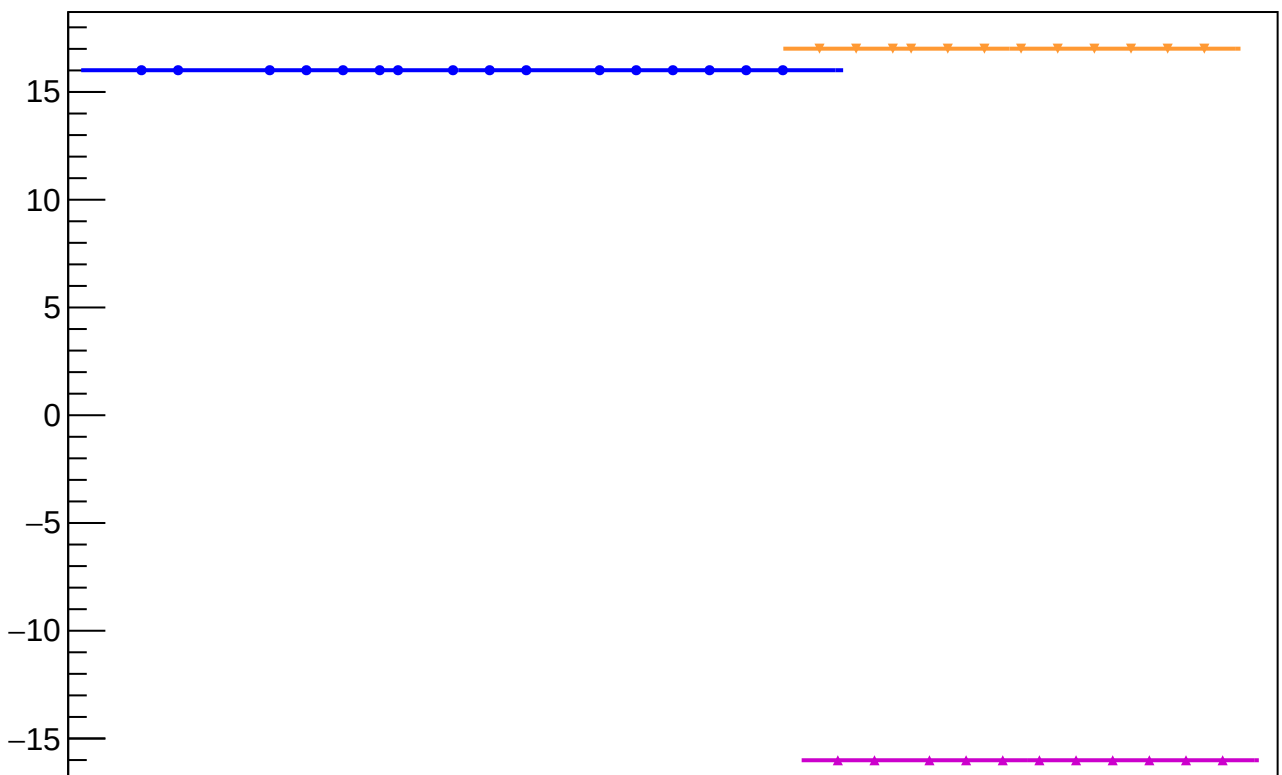
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -11.872+/-0.000 χ^2/NDF:13474325770437869

Out: 10.728+/-0.000 χ^2/NDF:1371791746533528

All: -0.492+/-0.000 χ^2/NDF: 2763823413470

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:104319.0/10

Left: 0.119+/-0.000 χ^2/NDF: 495789457396813571

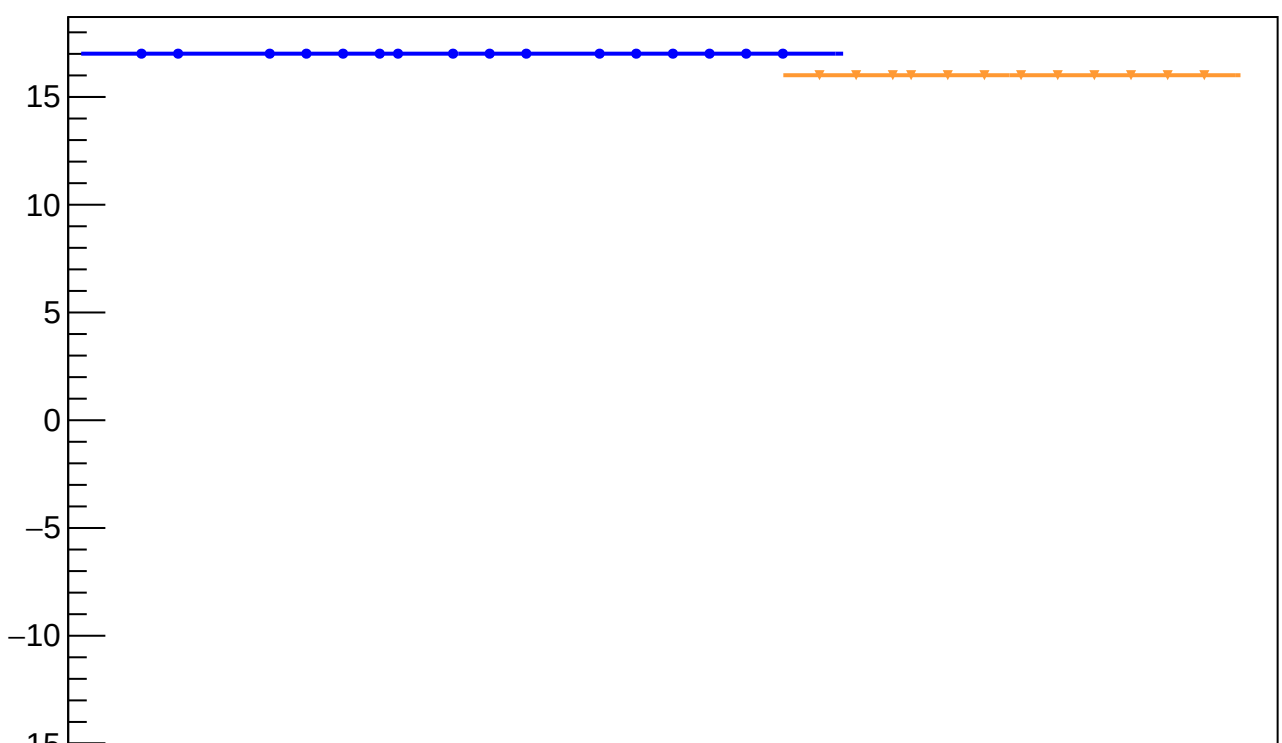
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -2.245+/-0.000 χ^2/NDF:410307404879296714

Out: 2.107+/-0.000 χ^2/NDF:450670377404287079

All: -0.103+/-0.000 χ^2/NDF: 8761993311219

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:17468.5/10

Left: -0.441+/-0.000 χ^2/NDF: 53611767376834948

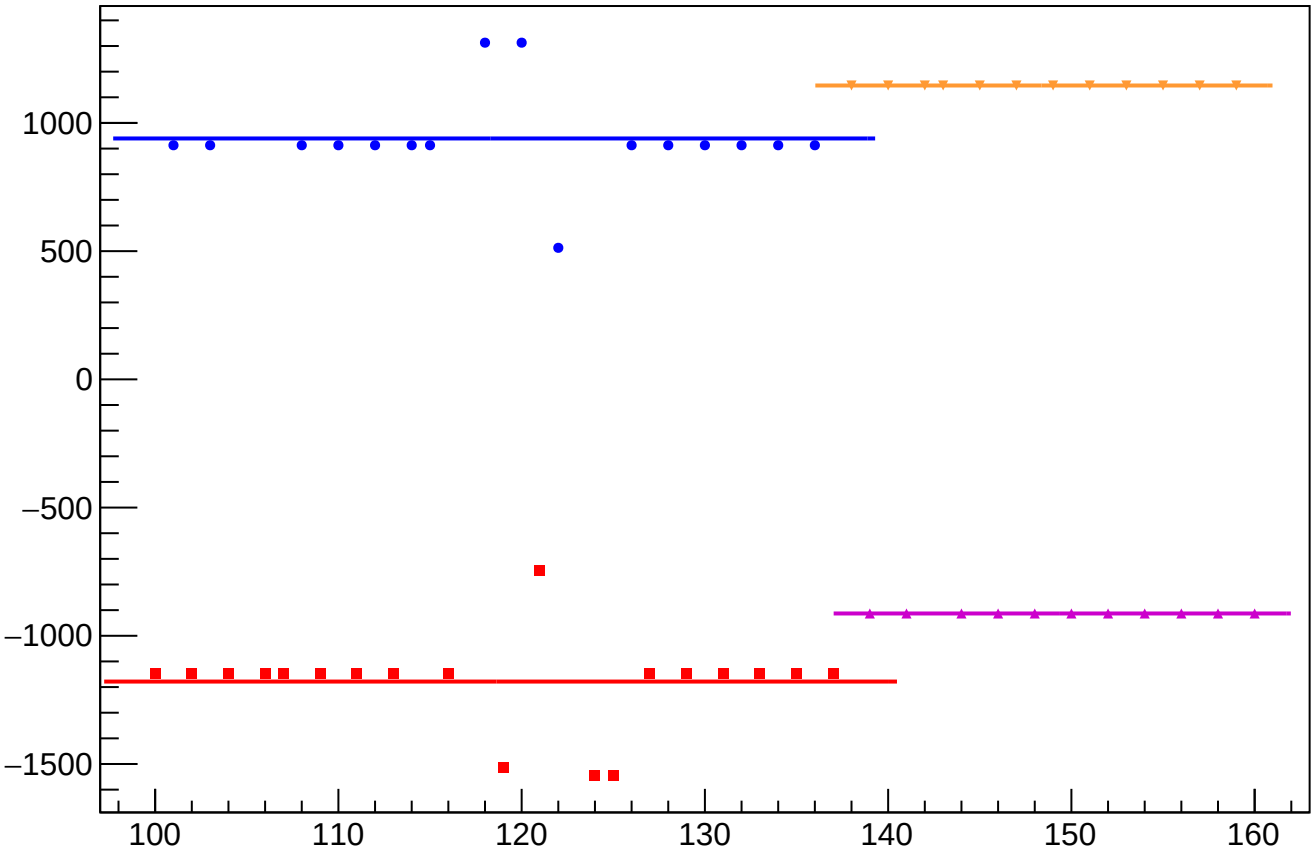
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: -2.753+/-0.000 χ^2/NDF:47529922945085533

Out: 2.091+/-0.000 χ^2/NDF:43986908073715440

All: -0.289+/-0.000 χ^2/NDF: 9352933622468

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF:2857553477153236570815332352.0/11

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Left In: -912.994+/-0.000 χ^2/NDF:1049306610563636797334618112 0.0/10

Left: 118.061+/-0.000 χ^2/NDF: 210808626336623 5

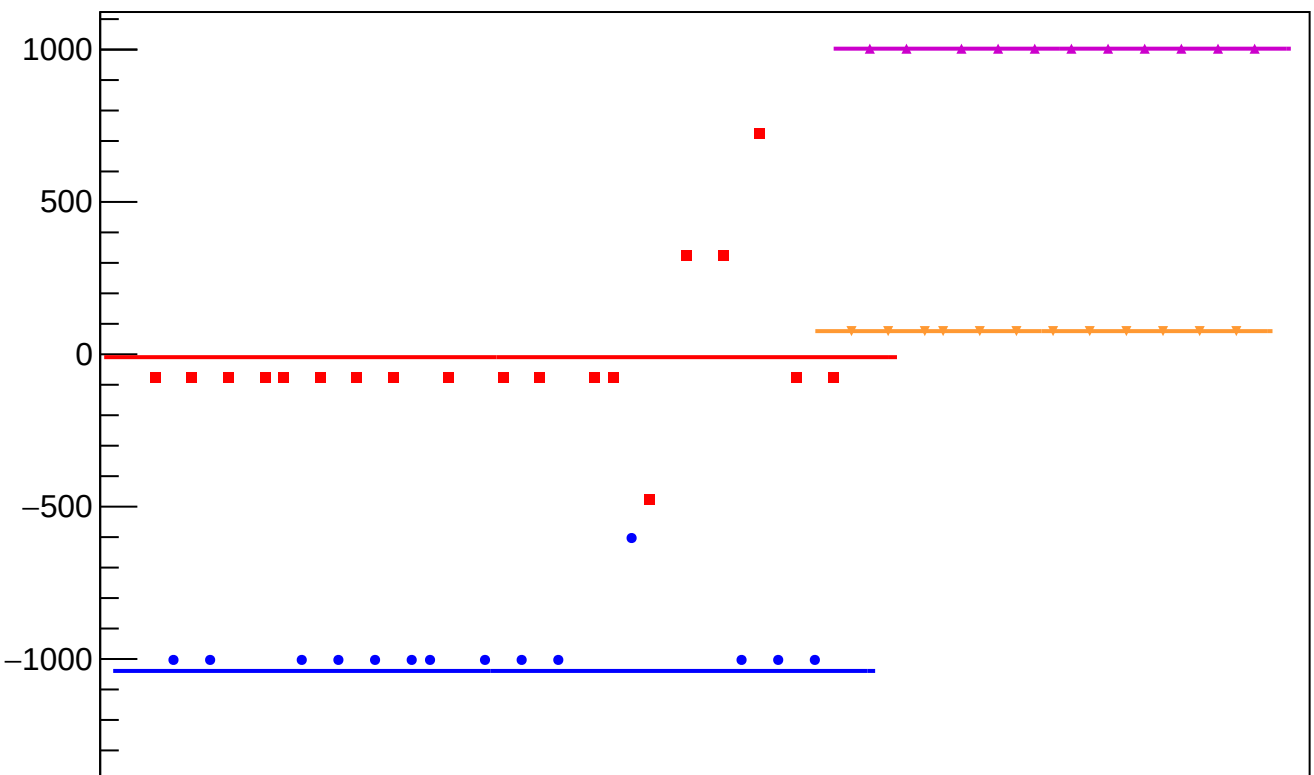
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: -121.380+/-0.000 χ^2/NDF:1477234474640428

Out: 137.704+/-0.000 χ^2/NDF:235659809759593 3

All: 9.089+/-0.000 χ^2/NDF: 3892446103471 2

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 538.801+/-0.000 χ^2/NDF: 4272807869947911

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:4076855540886493554785910784.0/11

In: 130.308+/-0.000 χ^2/NDF:17925392110350580

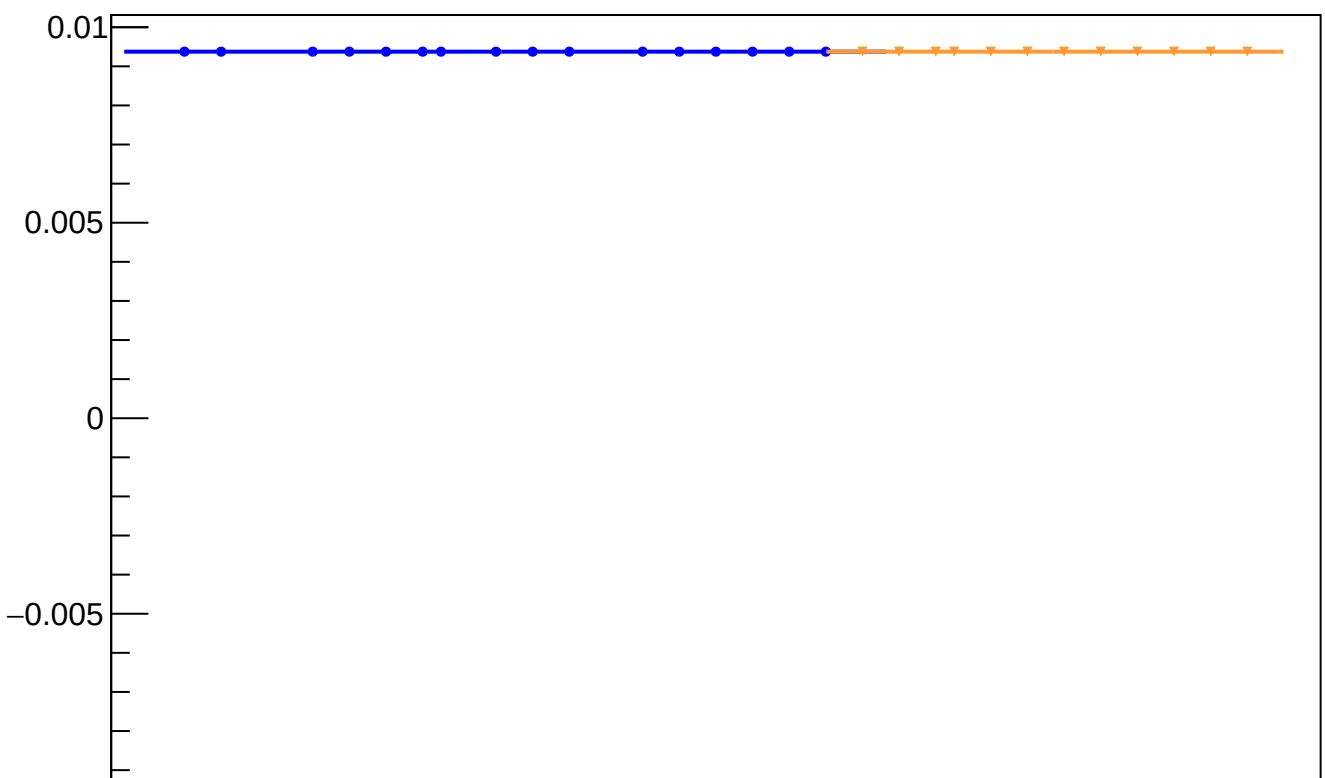
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 38.949+/-0.000 χ^2/NDF:49211284796704987

Left In: 1002.990+/-0.000 χ^2/NDF:151345769797738278229219737 6.0/10

All: 84.302+/-0.000 χ^2/NDF: 1849038582083

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:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 17481405542986359

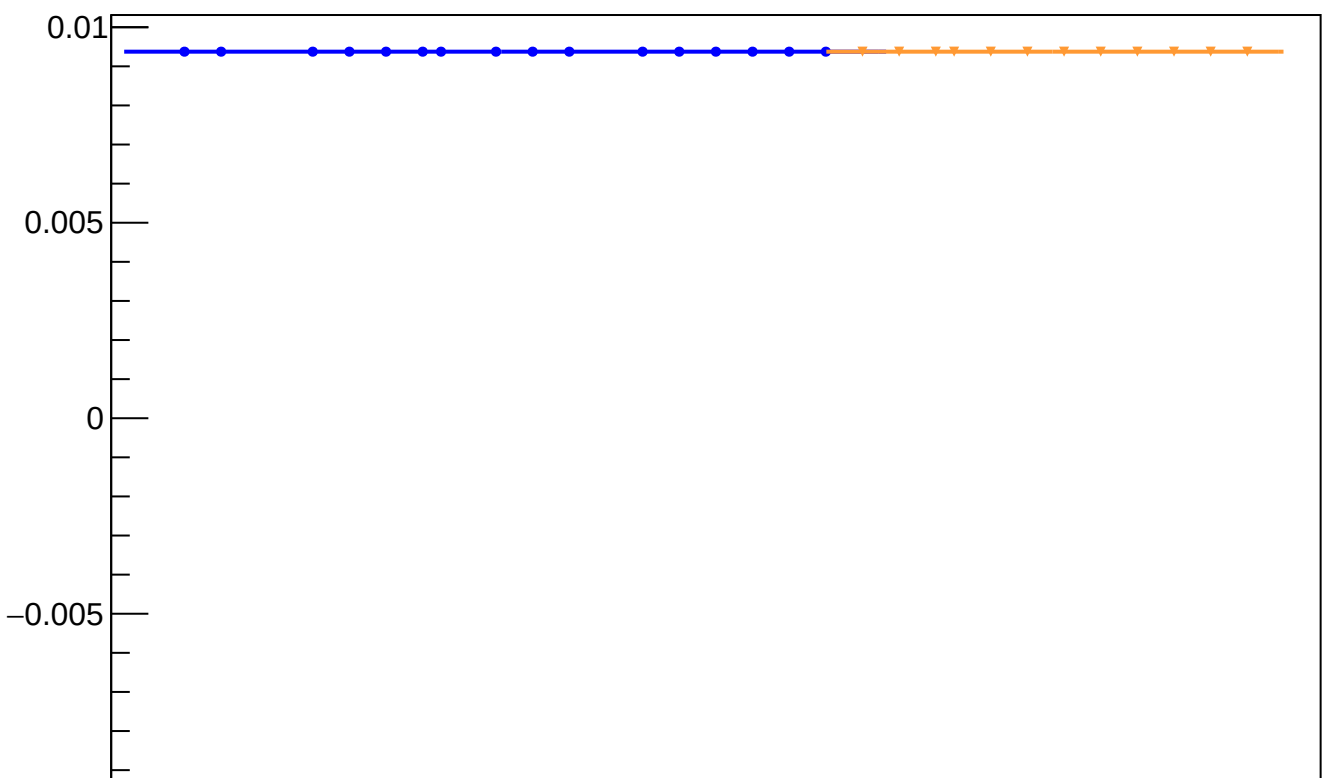
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: -0.000+/-0.000 χ^2/NDF: 3069928696679

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:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 17481405542986359

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.001+/-0.000 χ^2/NDF:151886991898805856

All: -0.000+/-0.000 χ^2/NDF: 3069928696679